



ICRC

The Astroparticle Physics Conference

34th International Cosmic Ray Conference

July 30 - August 6, 2015

The Hague, The Netherlands



ICRC(2015)1236

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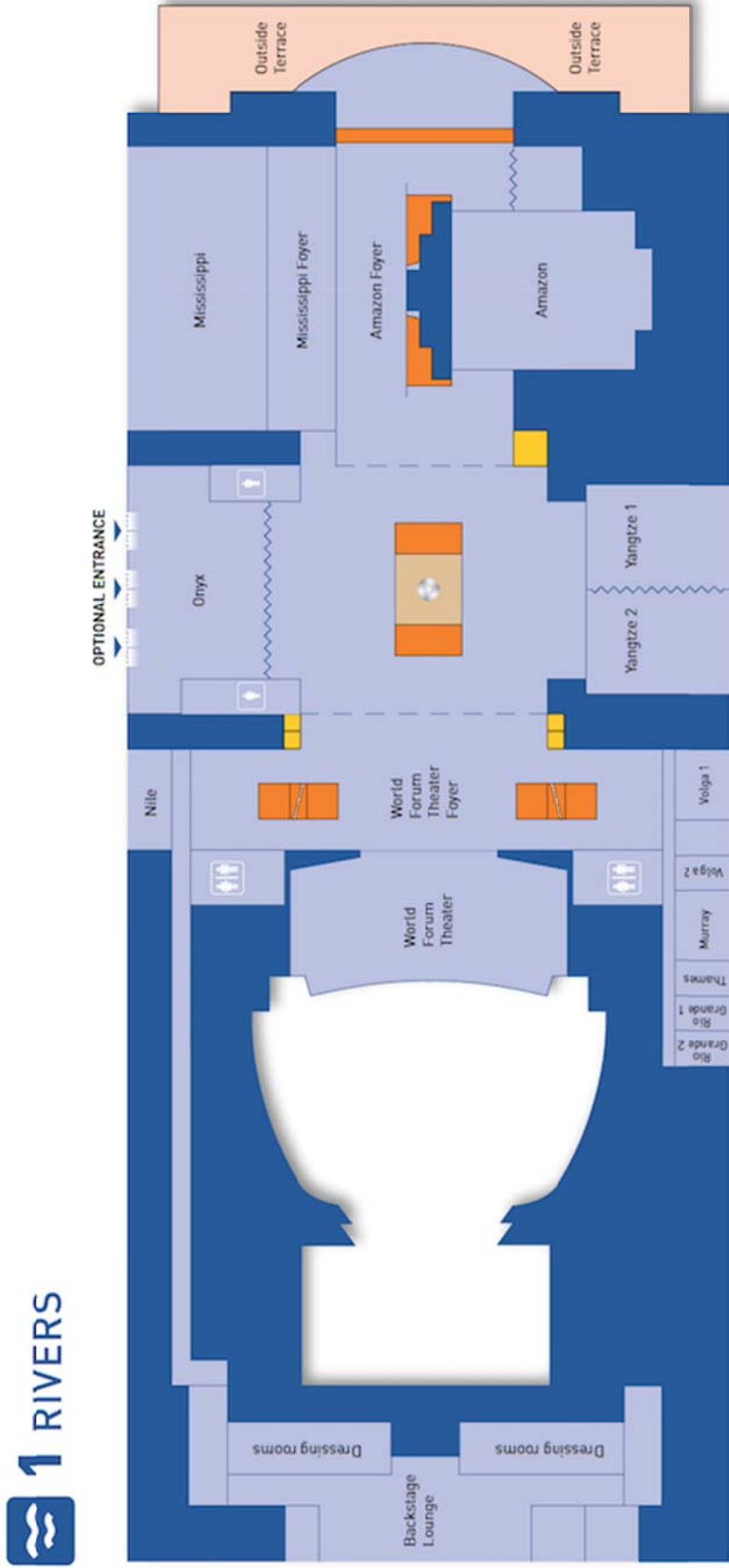
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Thursday 30 July 2015

Opening, Prizes and Awards - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|---|---------------------|
| 09:00 | [1403] Welcome by the Chair of the ICRC 2015 | VAN DEN BERG, Ad |
| 09:10 | [1400] Address from the Chair of the IUPAP commission for Astroparticle Physics (C4). | KAMPERT, Karl-Heinz |
| 09:25 | [1401] Address from the President of the University of Groningen | POPPEMA, Sibrand |
| 09:40 | [1402] Prizes and Awards Ceremony | |

Parallel CR01 Aniso - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|--|-------------------------|
| 11:00 | [390] Anisotropy in Cosmic Ray Arrival Directions Using IceCube and IceTop | WESTERHOFF, Stefan |
| 11:15 | [221] Search for High Energy Neutron Point Sources in IceTop | SUTHERLAND, Michael |
| 11:30 | [1342] Full-Sky Analysis of Cosmic-Ray Anisotropy with IceCube and HAWC | DIAZ VELEZ, Juan Carlos |
| 11:45 | [147] Observation of Anisotropy in the Arrival Direction Distribution of TeV Cosmic Rays With HAWC | FIORINO, Daniel |
| 12:00 | [458] A study of the first harmonic of the large scale anisotropies with the KASCADE-Grande experiment | CHIAVASSA, Andrea |
| 12:15 | [524] Measurement of (p+He)-induced anisotropy in cosmic rays with ARGO-YBJ | DI SCIASCIO, giuseppe |

Parallel CR02 Hadr Int - Yangtze 2 (11:00-12:30)

| time | [id] title | presenter |
|-------|--|----------------------------|
| 11:00 | [304] Status of the LHCf experiment | ITO, Yoshitaka |
| 11:15 | [655] The TOTEM experiment at LHC for proton-proton cross section measurements. | CAFAGNA, Francesco |
| 11:30 | [1196] Study of high muon multiplicity cosmic ray events with ALICE at the CERN Large Hadron Collider | RODRIGUEZ CAHUANTZI, Mario |
| 11:45 | [779] Results from pion-carbon interactions measured by NA61/SHINE for better understanding of extensive air showers | HERVE, Alexander Edward |
| 12:00 | [1108] The impact of a fixed-target experiment with LHC beam for astroparticle physics | ULRICH, Ralf Matthias |
| 12:15 | [803] Air Shower Development, pion interactions and modified EPOS Model | PIEROG, Tanguy |

Parallel GA01 EGAL - Yangtze 1 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|-------------------|
| 11:00 | [696] Revisiting the starburst galaxy NGC 253 with H.E.S.S. | HOISCHEN, Clemens |

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|-------|--|--------------------|
| 11:15 | [547] Spectral characteristics of Mrk 501 during the 2012 and 2014 flaring states | COLOGNA, Gabriele |
| 11:30 | [59] Discovery of very-high-energy gamma-ray emission from a hard-X-ray bright HBL RX J1136.5+6737 | HAYASHIDA, Masaaki |
| 11:45 | [602] The Denoised, Deconvolved, and Decomposed Fermi gamma-ray sky | VACCA, Valentina |
| 12:00 | [675] Searching for TeV gamma-ray emission associated with IceCube high-energy neutrinos using VERITAS | SANTANDER, Marcos |
| 12:15 | [680] AMON Searches for Jointly-Emitting Neutrino + Gamma-Ray Transients | KEIVANI, Azadeh |

Parallel GA02 GAL - Amazon (11:00-12:30)

| time | [id] title | presenter |
|-------|---|--------------------|
| 11:00 | [849] Study of the diffuse gamma ray emission from the Galactic plane with ARGO-YBJ | MA, Lingling |
| 11:15 | [247] TeV Gamma-Ray Emission Observed from Geminga by HAWC | WOOD, Joshua |
| 11:30 | [737] TeV Observations of the Galactic Plane with HAWC and Joint Analysis of GeV Data from Fermi | ZHOU, Hao |
| 11:45 | [1268] RCW 86 - A shell-type supernova remnant in TeV gamma-rays | JUNG-RICHARDT, Ira |
| 12:00 | [423] RCW 86 an extended SNR viewed at high energy with the new Fermi-LAT Pass 8 event reconstruction | CONDON, Benjamin |
| 12:15 | [1299] Search for new supernova remnant shells in the Galactic plane with H.E.S.S. | PUEHLHOFER, Gerd |

Parallel SH01 - Mississippi (11:00-12:30)

| time | [id] title | presenter |
|-------|---|-----------------------|
| 11:00 | [799] The Longitudinal Distribution of Solar Energetic Particles | VON ROSENVINGE, Tycho |
| 11:15 | [118] Resolving multiple sources of solar relativistic particles | KOCHAROV, Leon |
| 11:30 | [516] SOLAR ENERGETIC PARTICLE EVENTS: TRAJECTORY ANALYSIS AND FLUX RECONSTRUCTION WITH PAMELA | BRUNO, Alessandro |
| 11:45 | [558] Systematic Behavior of Heavy Ion Spectra in Large Gradual Solar Energetic Particle Events | DESAI, Mihir |
| 12:00 | [915] A statistical study of 90-MeV proton events observed with SOHO/ERNE | AL-SAWAD, Amjad |
| 12:15 | [1248] Unseen GLEs (Ground Level Events) | CHRISTIAN, Eric |

Parallel CR03 Aniso - World Forum Theater (14:00-15:30)

| time | [id] title | presenter |
|-------|--|------------------|
| 14:00 | [1065] Large-Scale Distribution of Arrival Directions of Cosmic Rays Detected at the Pierre Auger Observatory and the Telescope Array above 10^{19} eV | DELIGNY, Olivier |
| 14:15 | [970] Indications of anisotropy at large angular scales in the arrival directions of cosmic rays detected at the Pierre Auger Observatory | AL SAMARAI, Imen |

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| 14:30 | [650] Arrival directions of the highest-energy cosmic rays detected with the Pierre Auger Observatory | AUBLIN, Julien |
| 14:45 | [765] TA Anisotropy Summary | TINYAKOV, Peter SAGAWA, Hiroyuki TKACHEV, Igor |
| 15:00 | [414] Ultra-High-Energy Cosmic-Ray Hotspot Observed with the Telescope Array Surface Detectors | KAWATA, Kazumasa |
| 15:15 | [747] The Possible Extragalactic Source of Ultra-High-Energy Cosmic Rays at the Telescope Array Hotspot | HE, Haoning |

Parallel DM01 - Yangtze 2 (14:00-15:30)

| time | [id] title | presenter |
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| 14:00 | [336] Recent results and status of the XENON program | MASBOU, Julien |
| 14:15 | [442] The XMASS Experimental Program and its Current Implementation | MARTENS, Kai |
| 14:30 | [949] Results from the fiducial volume analysis of the XMASS-I dark matter data | TAKEDA, Atsushi |
| 14:45 | [878] The DAMIC dark matter experiment | DE MELLO NETO, Joao |
| 15:00 | [320] Search for Dark Matter annihilations in the Sun using the completed IceCube neutrino telescope. | RAMEEZ, Mohamed |
| 15:15 | [243] The indirect search for dark matter with the ANTARES neutrino telescope | TÖNNIS, Christoph |

Parallel GA03 Pulsars - Amazon (14:00-15:30)

| time | [id] title | presenter |
|-------|--|-------------------------|
| 14:00 | [563] Constraining photon dispersion relation from observations of the Vela pulsar with H.E.S.S | CHRÉTIEN, Mathieu |
| 14:15 | [635] A Population of TeV Pulsar Wind Nebulae in the H.E.S.S. Galactic Plane Survey | KLEPSEK, Stefan |
| 14:30 | [953] Search for gamma rays above 100 TeV from the Crab Nebula using the Tibet air shower array and the 100 m ² muon detector | SAKO, Takashi |
| 14:45 | [348] Observations of the Crab Nebula with Early HAWC Data | SALESA GREUS, Francisco |
| 15:00 | [707] Six years of VERITAS observations of the Crab Nebula | MEAGHER, Kevin |
| 15:15 | [940] The most precise measurements of the Crab nebula inverse Compton spectral component | ZANIN, Roberta |

Parallel GA04 - Mississippi (14:00-15:30)

| time | [id] title | presenter |
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| 14:00 | [113] Re-examination of the Expected Gamma-Ray Emission of Supernova Remnant SN 1987A | KSENOFONTOV, Leonid |
| 14:15 | [242] Search for gamma-ray emission from AGNs with ultra-fast-outflows as candidate cosmic-ray accelerators | TOMONO, Yayoi |
| 14:30 | [1220] Flat Spectrum Radio Quasars through the MAGIC glasses | BECERRA GONZALEZ, Josefa |

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| 14:45 | [1188] Origin of cosmic rays excess in the Galactic Center | JOUVIN, Lea |
| 15:00 | [629] Simulating Cherenkov Telescope Array observation of RX J1713.7–3946 | NAKAMORI, Takeshi |
| 15:15 | [736] Prospects for Measuring the Positron Excess with the Cherenkov Telescope Array | VANDENBROUCKE, Justin |

Parallel NU01 - Yangtze 1 (14:00-15:30)

| time | [id] title | presenter |
|-------|--|--------------------|
| 14:00 | [583] Photon-neutrino flux correlations from hadronic models of AGN? | REIMER, Anita |
| 14:15 | [55] Neutrinos from Clusters of Galaxies and Radio Constraints | ZANDANEL, Fabio |
| 14:30 | [34] Neutrinos and the origin of the cosmic rays | WINTER, Walter |
| 14:45 | [733] On the neutrino emission from BL Lacs | PETROPOULOU, Maria |
| 15:00 | [100] Detectability of GRB blast wave neutrinos in IceCube | YANG, Lili |
| 15:15 | [1010] A HADRONIC SCENARIO FOR THE GALACTIC RIDGE EMISSION | MARINELLI, Antonio |

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| [831] R&D of EAS radio detection in China | FENG, Zhaoyang | 144 |
| [1221] Nuclei charge measurement with AMS-02 Silicon Tracker | VITILLO, Stefania | 245 |

Poster 1 DM and NU - Amazon Foyer Terrace (15:30-16:30)

| [id] title | presenter | board |
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| [1086] Time and amplitude calibration of the Baikal-GVD neutrino telescope | SHAYBONOV, Bair | 272 |
| [1166] Status and prospects for the Askaryan Radio Array (ARA) cosmogenic neutrino detector | DUVERNOIS, Michael | 292 |
| [743] Multi-PMT optical modules for IceCube-Gen2 | CLASSEN, Lew | 274 |
| [1145] Space qualification of the Silicon Tungsten Tracker of DAMPE | PENG, Wenxi | 252 |
| [1340] Isospin violating dark matter in Stückelberg portal scenarios | MARTIN-LOZANO, Victor | 260 |
| [312] A method of electromagnetic shower identification by using isolated bars with the DAMPE BGO calorimeter | WANG, Chi | 253 |
| [1265] Acoustic positioning system for KM3NeT | SAPIENZA, Piera | 284 |
| [1127] Performances and main results of the KM3NeT prototypes | CREUSOT, Alexandre | 291 |
| [497] Fiber laser design and measurements for fiber optical hydrophones in their application for ultra-high energy neutrino detection | BAAS, Vincent | 278 |
| [1310] The Mechanical structure and deployment procedure of the KM3NeT detection unit. | KOOIJMAN, Paul | 275 |
| [43] GSL in Unified DE-DM Dominated LQC | SAIKIA, Julie | 265 |
| [1298] The data acquisition system of the KM3NeT detector | PIATTELLI, Paolo | 293 |
| [919] Development of TRBs for Silicon Tracker Detector of DAMPE satellite | FEI, zhang | 256 |
| [342] Progress on the development of a wavelength-shifting optical module | HEBECKER, Dustin | 271 |
| [451] Development of an automatic test system for the PMTs used in the BGO ECAL of DAMPE | DONG, Jianing | 251 |
| [420] Development of the time domain simulation of impulsive radio signals for ARAcITA | MASE, Keiichi | 273 |
| [937] Calibration, performances and tests of the first detection unit of the KM3NeT neutrino telescope | CREUSOT, Alexandre | 279 |
| [1034] The Dark Box instrument for fast automatic testing of the photomultipliers for KM3NeT | PIATTELLI, Paolo | 286 |
| [893] Self Consistent Simulation of Dark Matter Annihilation And Background | BHATTACHARYYA, Saptashwa | 262 |
| [184] A Precision Optical Calibration Module for IceCube-Gen2 | KRINGS, Kai | 281 |
| [1093] The optical module of the Baikal-GVD neutrino telescope | SHAYBONOV, Bair | 289 |
| [671] Design studies for a neutrino telescope based on optical fiber | BUIS, Ernst-Jan | 288 |
| [1276] Time synchronization and time calibration in KM3NeT | BOUWHUIS, Mieke | 276 |
| [168] Performance of the Read-out Electronics of the Qualification Model of DAMPE BGO Calorimeter in Environmental Tests and CERN Beam | ZHANG, Deliang | 255 |
| [488] Moon shadow observation with the ANTARES neutrino telescope | SANGUINETI, Matteo | 290 |
| [481] Simulation studies of the expected proton rejection capabilities of CALET | SPARVOLI, Roberta | 257 |
| [786] Generation-2 IceCube Digital Optical Module and DAQ | DUVERNOIS, Michael | 285 |
| [1040] The Calibration Units of the KM3NeT Neutrino Telescope | VAN ELEWYCK, Veronique | 282 |
| [1045] Development of new data acquisition system at Super-Kamiokande for nearby supernova bursts | ORII, Asato | 283 |

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| [946] A fussy revisit of antiprotons as a tool for Dark Matter searches | BOUDAUD, Mathieu | 259 |
| [968] The KM3NeT Multi-PMT Digital Optical Module | BRUIJN, R VAN EIJK, Daan | 287 |
| [828] Site Characterization and Detector Development for the Greenland Neutrino Observatory | WISSEL, Stephanie | 280 |
| [474] A dual-PMT optical module (D-Egg) for IceCube-Gen2 | LU, Lu | 294 |
| [384] Software framework and reconstruction software of the DAMPE gamma-ray telescope | TYKHONOV, Andrii | 254 |
| [687] PINGU camera | BOSE, Debanjan ROTT, Carsten | 277 |
| [538] The electron spectrum from annihilation of Kaluza-Klein dark matter in the Galactic halo | TSUCHIDA, Satoshi | 263 |
| [539] The observability of gamma-ray spectral features from Kaluza-Klein dark matter annihilation | TSUCHIDA, Satoshi | 264 |
| [368] Confronting recent AMS-02 positron fraction and Fermi-LAT Extragalactic γ -ray Background measurements with gravitino dark matter | GOMEZ-VARGAS, German | 261 |
| [1274] Boosting the boost: the effect of tidal stripping on the subhalo luminosity | BARTELS, Richard | 258 |

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| [882] Creating a high-resolution picture of Cygnus with the Cherenkov Telescope Array | WEINSTEIN, Amanda | 59 |
| [607] Time-dependent injection as a model for rapid blazar flares | ZACHARIAS, Michael | 135 |
| [322] Search for VHE gamma-ray emission from the Geminga pulsar and nebula with the MAGIC telescopes | LOPEZ, marcos | 60 |
| [745] Multiwavelength Analyses of Long-Term Lower Flux State Observations of Intermediate-Frequency-Peaked BL Lacertae Sources: W Comae and 3C | FORTSON, Lucy | 63 |
| [210] Performance of the Mechanical Structure of the SST-2M GCT Telescope for the Cherenkov Telescope Array | DOURNAUX, Jean-Laurent | 106 |
| [884] The FRaNKIE code: a tool for calculating multi-wavelength interstellar emissions in galaxies | PORTER, Troy | 127 |
| [335] Exploring the gamma ray sky above 30 TeV with LHAASO | VERNETTO, Silvia | 62 |
| [565] Photon Reconstruction for H.E.S.S. Using a Semi-Analytical Model | HOLLER, Markus | 122 |
| [1123] H.E.S.S. discovery of very-high-energy gamma-ray emission of PKS 1440-389 | PROKOPH, Heike | 57 |
| [330] Analysis of the first observations with the new MAGIC Sum-Trigger-II | LÓPEZ MOYA, Marcos | 87 |
| [764] VERITAS long-term (2006-2014) observations of the BL Lac object 1ES 0806+524 | CERRUTI, Matteo | 58 |
| [1202] A new time-dependent likelihood technique for detection of gamma-ray bursts with IACT arrays | WEINER, Ori | 91 |
| [102] Observation of the ^{26}Al emission distribution throughout the Galaxy with INTEGRAL/SPI | BOUCHET, Laurent | 111 |
| [397] HAWC: Design, Operation, Reconstruction and Analysis | SMITH, Andrew | 96 |

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| [608] Performance studies of the new stereoscopic Sum-Trigger-II of MAGIC after one year of operation | DAZZI, Francesco | 101 |
| [276] Divergent pointing with the Cherenkov Telescope Array for surveys and beyond | GERARD, Lucie | 52 |
| [277] The H.E.S.S. multi-messenger program | SCHÜSSLER, Fabian | 53 |
| [127] NectarCAM : a camera for the medium size telescopes of the Cherenkov Telescope Array | GLICENSTEIN, Jean-Francois | 97 |
| [86] Search for Gamma-ray Production in Supernovae located in a dense interstellar medium with Fermi LAT | FRANCKOWIAK, Anna | 65 |
| [172] FACT - Performance of the First SiPM camera | NEISE, Dominik | 56 |
| [85] On the On-Off Problem: an Objective Bayesian Analysis | AHNEN, Max Ludwig | 66 |
| [25] Gamma-rays from accretion process onto millisecond pulsars | BEDNAREK, Wlodek | 115 |
| [26] TeV gamma-rays from the globular cluster NGC 6624 containing energetic millisecond pulsar J1823-3021A | BEDNAREK, Wlodek | 123 |
| [603] ROI: A Prototype Data Model for the Cherenkov Telescope Array | MARX, Ramin | 109 |
| [785] Upper limits on diffuse gamma-rays measured with KASCADE-Grande | KANG, Donghwa | 72 |
| [1192] FACT - Charged Cosmic Ray Particles as a Tool for Atmospheric Monitoring | HILDEBRAND, Dorothee | 121 |
| [954] The first GCT camera for the Cherenkov Telescope Array. | DE FRANCO, Andrea | 120 |
| [1001] Long term stability analysis on the MD-A under TIBET III array | XIANGLI, QIAN CHENG, LIU | 117 |
| [798] Systematically characterizing regions of the First Fermi-LAT SNR Catalog | DE PALMA, Francesco | 67 |
| [731] VERITAS Discovery of Very High-Energy Gamma-Ray Emission from RGB J2243+203 | KIEDA, David | 73 |
| [313] HESS observations of PKS 1830-211 | GLICENSTEIN, Jean-Francois | 71 |
| [541] Long term variability study for the radio galaxy M87 with MAGIC | BANGALE, Priyadarshini | 69 |
| [1252] Constraining the properties of new gamma-ray MSPs with distance and velocity measurements | LAFFON, Helene | 90 |
| [523] FACT – Novel mirror alignment using Bokeh and enhancement of the VERITAS SCCAN alignment method | MUELLER, Sebastian | 84 |
| [506] Status and plans for the Array Control and Data Acquisition System of the Cherenkov Telescope Array | OYA, Igor | 110 |
| [186] High energy emission from extended region within the blazar jet during quiet gamma-ray state | BANASIKI, Piotr | 126 |
| [985] Water quality monitoring and measurement for the LHAASO-WCDA with the cosmic muon signals | LI, Huicai CHEN, Mingjun GAO, Bo WANG, Xiaojie WU, Hanrong YAO, Zhiguo YU, Chunxu | 116 |
| [936] Simulation study on a large field of view cherenkov telescope | ZHANG, Yi | 102 |
| [427] GRAINE project: An overview and status of the 2015 balloon-borne experiment with emulsion gamma-ray telescope | TAKAHASHI, Satoru | 118 |

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| [426] The TIBET AS+MD Project; progress report 2015 | TAKITA, Masato | 103 |
| [965] Redshift measurement of Fermi Blazars for the Cherenkov Telescope | GOLDONI, Paolo | 75 |
| [894] Time calibration for the LHAASO-WCDA project | GAO, Bo CHEN, Mingjun WANG, Xiaojie WU, Hanrong YAO, Zhiguo LI, Huicai | 104 |
| [756] Cosmic-Ray Induced Gamma-Ray Emission From Starburst Galaxies | WANG, Xilu | 128 |
| [1232] VERITAS Observations of HESS J1943+213 | SHAHINYAN, Karlen | 54 |
| [1068] VERITAS Observations of M31 (the Andromeda Galaxy) | BIRD, Ralph | 51 |
| [1270] Naima: a Python package for inference of particle distribution properties from nonthermal spectra | ZABALZA, Victor | 124 |
| [1334] Gamma-Ray and Cosmic Ray Escape in Intensely Star-Forming Systems | YOAST-HULL, Tova | 132 |
| [1157] Recent pulsar results from VERITAS on Geminga and the missing link binary pulsar PSR J1023+0038 | RICHARDS, Gregory | 78 |
| [1130] FACT – Influence of SiPM Crosstalk on the Performance of an Operating Cherenkov Telescope | BUß, Jens | 68 |
| [998] Shaping the GeV-spectra of bright blazars | REIMER, Anita | 130 |
| [290] The stereo Topo-trigger: a new concept of stereoscopic trigger system for imaging atmospheric Cherenkov telescopes | LOPEZ-COTO, Ruben | 83 |
| [1178] GAMERA – a new modeling package for non-thermal spectral modeling | HAHN, Joachim | 125 |
| [261] High energy gamma-ray study of the microquasar 1E 1740.7-2942 with Fermi-LAT | MORI, Masaki | 79 |
| [246] The measurement of the expansion rate of the Universe from gamma-ray attenuation | DOMINGUEZ, Alberto | 55 |
| [824] Construction of a medium size prototype Schwarzschild-Couder telescope as candidate instrument for the Cherenkov Telescope Array: Overview of mechanical and optical sub-systems. | VASSILIEV, Vladimir | 95 |
| [932] Updated results from VERITAS on the Crab pulsar | NGUYEN, Thanh | 74 |
| [388] Investigation of cosmic-ray sources with gamma ray initiated showers | URYSON, Anna | 133 |
| [1118] Optical Polarimetry Campaign on Markarian 421 During the 2012 Large Flaring Episodes | BARRES, Ulisses | 92 |
| [869] GRAINE project: Flight data analysis of balloon-borne experiment in 2015 with emulsion gamma-ray telescope | OZAKI, Keita | 99 |
| [1318] Cosmic ray acceleration and nonthermal emission from ultra-fast outflows in active galactic nuclei | INOUE, Susumu | 131 |
| [1306] Gamma-ray properties of low luminosity AGNs | WOJACZYNSKI, Rafal | 114 |
| [1082] A data mining approach to recognizing source classes for unassociated gamma-ray sources | YOSHIDA, Kenji | 80 |
| [1042] Sensitivity of the LHAASO-WCDA for various Gamma ray sources | WU, Hanrong YAO, Zhiguo CHEN, Mingjun GAO, Bo LI, Huicai | 61 |

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| [1049] Simulation of diffusive particle propagation and related TeV γ -ray emission at the Galactic Center | ZIEGLER, Alexander | 134 |
| [901] Low multiplicity technique for GRB observation by LHAASO-WCDA | HE, Huihai WU, Hanrong | 100 |
| [842] Study on the large dimensional refractive lens for the future large field-of-view IACT | CHEN, Tianlu DANZENG, Luobu | 119 |
| [896] Progress on the electromagnetic particle detector and the prototype array of LHAASO-KM2A | ZHANDONG, Sun | 105 |
| [732] Blazar Alerts with the HAWC Online Flare Monitor | WEISGARBER, Thomas | 93 |
| [982] Study of the VHE diffuse emission in the central 200 pc of our Galaxy with H.E.S.S. | LEMIÈRE, Anne | 82 |
| [1079] Triggerless scheme and trigger pattern of the LHAASO-WCDA project | YAO, Zhiguo CHEN, Mingjun GAO, Bo WU, Hanrong WANG, Xiaojie LI, Huicai | 107 |
| [35] Selection of AGN to study the extragalactic background light with HAWC | COUTIÑO, Sara | 113 |
| [358] Analysis of GeV-band gamma-ray emission from SNR RX J1713.7-3946 | BROSE, Robert | 129 |
| [33] Advanced models for AGN emission | SPANIER, Felix | 112 |
| [354] Upper limits on the VHE γ -ray flux from the ULIRG Arp 220 and other galaxies with VERITAS | FLEISCHHACK, Henrike | 76 |
| [410] The VHE gamma-ray periodicity of PG1553+113: a possible probe of a system of binary supermassive black hole | PRANDINI, Elisa | 70 |
| [1258] New concepts of timing calibration systems for large-scale Cherenkov arrays in astroparticle physics experiments | LUBSANDORZHIEV, Bayarto | 94 |
| [647] Probing the electron population of Vela X through H.E.S.S. I observations | ZABALZA, Victor | 89 |
| [1187] Rapid variability at very high energies in Mrk 501 | CHAKRABORTY, Nachiketa | 64 |
| [1052] Development of a SiPM Camera for a Schwarzschild-Couder Cherenkov Telescope for the Cherenkov Telescope Array | OTTE, Nepomuk | 88 |
| [1015] Exploiting the time of arrival of Cherenkov photons at the 28 m H.E.S.S. telescope for background rejection: Methods and performance | CHALMÉ-CALVET, Raphaël | 85 |
| [922] TAIGA experiment – status, first results and perspectives | KUZMICHEV, Leonid | 98 |
| [729] A major electronics upgrade for the H.E.S.S. Cherenkov telescopes 1-4 | KLEPSEK, Stefan | 108 |
| [908] Status of Water Cherenkov Detector Array of LHAASO project | CHEN, Mingjun GAO, Bo | 86 |
| [1081] Fermi Gamma-ray Burst Monitor Capabilities for multi-messenger time-domain astronomy | CONNAUGHTON, Valerie | 81 |
| [804] Fermi LAT observations of high energy gamma rays from the Moon | LOPARCO, Francesco | 77 |

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Poster 1 SH - Theater Foyer (15:30-16:30)

| [id] | title | presenter | board |
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| [10] | Atmospheric- Weighted Temperature and its influence on Cosmic Ray | MAGHRABI, Abdullrahman | 25 |

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| [1323] Time variations of proton flux in Earth inner radiation belt for 2006-2015 years based on the PAMELA and the ARINA data | MIKHAILOV, Vladimir | 47 |
| [769] Search for >30 MeV Neutrons from the 2010 June 12 Impulsive Flare | YAMAMOTO, tokonatsu | 15 |
| [601] Galactic Cosmic Ray Spectra During Solar Cycle 23 and 24 - Measurement Capabilities of the Electron Proton Helium Instrument on board | KÜHL, Patrick | 14 |
| [1161] Solar-cycle dependence of selected turbulence quantities at Earth | BURGER, Renier | 41 |
| [599] On the perpendicular diffusion of solar energetic particles | STRAUSS, Du Toit | 13 |
| [983] Proton energy spectra during ground level enhancements as measured by EPHIN aboard SOHO | HEBER, Bernd KÜHL, Patrick | 18 |
| [609] Time dependent Geomagnetic Cutoff estimation along the ISS orbit | DURANTI, Matteo | 34 |
| [192] A numerical simulation of cosmic ray modulation near the heliopause | LUO, Xi | 4 |
| [132] On Non-Universality of Solar-Terrestrial Connections | PUSTILNIK, Lev | 28 |
| [82] Coronal Sources of Impulsive Fe-Rich Solar Energetic Particle Events | KAHLER, Stephen | 2 |
| [1160] STUDY ON CORONAL MASS EJECTION, MAGNETIC CLOUD AND THEIR GEOEFFECTIVENESS | KUMAR, RAJIV | 40 |
| [80] Solar Energetic Particle Event Onsets: Far Backside Solar Sources and the East-West Hemispheric Asymmetry | KAHLER, Stephen | 1 |
| [230] Unusual cosmic ray increases observed during several solar flares in 2011-2013 | MAKHMUTOV, Vladimir | 6 |
| [975] Improved $^3\text{He}/^4\text{He}$ isotope separation in EPHIN data based on | KÜHL, Patrick | 17 |
| [1194] Near-Earth Cosmic Ray Decreases Associated with Remote Coronal Mass Ejections | THOMAS, Simon | 42 |
| [1256] The LAGO Space Weather Program: Directional Geomagnetic Effects, Background Fluence Calculations and Multi-Spectral Data Analysis | SARMIENTO-CANO, Christian | 44 |
| [534] Observations of solar energetic particle events during multiple coronal mass ejections | VALTONEN, Eino | 10 |
| [1253] High Energy Solar Particle Events foRecastIng and Analysis: The HESPERIA Project | MALANDRAKI, Olga | 22 |
| [914] Possibilities for selected space weather and atmospheric studies in JEM-EUSO project? | KUDELA, Karel | 38 |
| [425] Five-year correlation of the Sun shadow in cosmic rays observed by ARGO-YBJ with the Interplanetary Magnetic Field variability | JIA, Huanyu | 29 |
| [815] A Project to Install Water-Cherenkov Detectors in the Antarctic Peninsula as part of the LAGO Detection Network | DASSO, Sergio | 36 |
| [568] Suprathermal ions at 1 AU in solar wind fluxes from near equatorial coronal holes in 2006-09 | KECSKEMETY, Karoly | 12 |
| [1213] LAGO Ecuador, Implementing a set of WCD detectors for Space weather research: first results and further developments | VARGAS, Stephany | 43 |
| [584] Dynamics of relativistic electrons in the region of outer radiation belt, caused by solar events | ALEKSANDRIN, Sergey | 33 |
| [996] Jovian electrons and magnetic traps with inner acceleration regions | KECSKEMETY, Karoly | 39 |
| [206] Dependence of 100 MeV solar proton events on the solar activities: flares and coronal mass ejections | LE, Guiming | 5 |

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| [898] Rapid determination of cutoff rigidities and asymptotic directions using predetermined parameters in a database | BÜTIKOFER, Rolf | 37 |
| [613] Robust regression analysis of energy spectrum evolution in time for relativistic electron bursts in the Earth's magnetosphere | ZHARASPAYEV, Temir | 35 |
| [1355] Geo effectiveness of halo CMEs and their association with cosmic ray intensity variations | SHRIVASTAVA, Pankaj Kumar | 48 |
| [552] The South Atlantic Anomaly drift on the proton flux data of satellite experiments | ALEKSANDRIN, Sergey | 32 |
| [445] Cosmic Radiation and the Earth's atmospheric processes | RAJIV, Kumar | 30 |
| [1228] 3D simulations of heliospheric propagation of heavy-ion solar energetic particles | DALLA, Silvia | 20 |
| [106] Multi-spacecraft observations of heavy-ion solar energetic particles | ZELINA, Peter | 3 |
| [161] New very local interstellar spectra for galactic protons, helium, carbon and electrons below 50 GeV. | NGOBENI, Donald | 23 |
| [480] Calculation of injection of solar energetic particles of Easter 2001 Solar Particle Event | PETUKHOVA, Anastasia | 8 |
| [1284] Annual and Semi Annual Variations of the Galactic Cosmic Ray Intensity and Seasonal Distribution of the Cloudless Days and Cloudless Nights in Abastumani (41.75oN, 42.82oE; Georgia): (1) experimental study and (2) theoretical modeling | MODZELEWSKA, Renata ALANIA, Michael | 45 |
| [19] Effective dose calculation at flight altitudes with the newly computed yield function | MISHEV, Alexander | 26 |
| [1048] Iron-rich solar particle events measured by SOHO/ERNE | VALTONEN, Eino | 19 |
| [1288] Solar particle events contribution in the space radiation exposure on electronic equipment at the polar orbit | PROTOPOPOV, Grigory | 46 |
| [535] Solar energetic particle events related to disk-centre full-halo coronal mass ejections | VALTONEN, Eino | 11 |
| [1242] A 360° Survey of Solar Energetic Particle Events | MEWALDT, Richard | 21 |
| [511] Analysis of multi-eruption solar energetic particle event on March 17-18, 2003 | AL-HAMADANI, Firas | 9 |
| [478] On the influence of the coronal hole latitude and polarity on the geomagnetic activity and cosmic ray variations. | KRYAKUNOVA, Olga | 31 |
| [821] Inferred Ionic Charge States for Solar Energetic Particle Events from 2012-2015 with ACE and STEREO | LABRADOR, Allan | 16 |
| [266] Solar Neutrons in association with Three Large Flares observed in 2012 March 5th, 7th and 9th | YAMAMOTO, tokonatsu | 7 |

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High-Light Talks - World Forum Theater (16:30-18:30)

| time | [id] title | presenter |
|-------|--|---------------------|
| 16:30 | [875] The Voyager Journey to Interstellar Space: Overview and Update | STONE, Edward |
| 17:00 | [314] The Very High Energy Sky from ~ 20 GeV to Hundreds of TeV | DE NAUROIS, Mathieu |
| 17:30 | [527] Mapping dark matter in the Milky Way | PATO, Miguel |

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|-------|---|--------------|
| 18:00 | [1376] Latest results from the Alpha Magnetic Spectrometer on the International Space Station | TING, Samuel |
|-------|---|--------------|

Reception - (18:30-20:00)

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Friday 31 July 2015

Invited Review Talks - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|--|------------------|
| 09:00 | [1380] Cosmic particle acceleration after a decade of VHE gamma-ray observations | AHARONIAN, Felix |
| 09:45 | [1384] Relations between high-energy particle and cosmic-ray physics | ENGEL, Ralph |

Parallel CR04 e+ e- - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|--|--|
| 11:00 | [207] SECONDARY POSITRONS AND ELECTRONS OBSERVED BY THE PAMELA SPECTROMETER | MIKHAILOV, Vladimir MOCCHIUTTI, Emiliano |
| 11:15 | [994] Time Dependence of the Cosmic Rays Positron Fraction | MIKHAILOV, Vladimir |
| 11:30 | [385] Precision Measurement of the (e++e-) Flux in Primary Cosmic Rays from 0.5 GeV to 1 TeV with the Alpha Magnetic Spectrometer on the International Space Station | DURANTI, Matteo |
| 11:45 | [575] Latest Alpha Magnetic Spectrometer results : positron fraction and pbar/p ratio. | KOUNINE, Andrei |
| 12:00 | [1154] Limits on the Multi-TeV Cosmic Ray Electron Flux from CREST (Cosmic Ray Electron Synchrotron Telescope) | MUSSER, JIm TARLE, Gregory PARK, nahee COUTU, Stephane NUTTER, Scott SCHUBNEL, Michael WAKELY, Scott DIETRICH, Muller GESKE, Mathew GENNARO, Joseph |
| 12:15 | [1132] A Cosmic-ray Electron Spectrum with VERITAS | STASZAK, David |

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Parallel CR05 TH/aniso - Yangtze 2 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|-----------------|
| 11:00 | [1326] The Galactic Magnetic Field and Some Applications | FARRAR, Glennys |
| 11:15 | [1305] Investigation of the galactic magnetic field with ultra-high energy cosmic rays | MÜLLER, Gero |
| 11:30 | [1325] A Uniformly Selected, All-Sky Optical AGN Catalog for UHECR Correlation | ZAW, Ingyin |
| 11:45 | [169] The ultra-high energy cosmic rays image of Virgo A | SMIDA, Radomir |
| 12:00 | [880] Northern sky Galactic Cosmic Ray anisotropy between 10-1000 TeV with the Tibet Air Shower Array | FENG, Zhaoyang |
| 12:15 | [657] A simple model of the cosmic ray spectrum and composition across the Galactic to extragalactic transition | GLOBUS, Noemie |

Parallel GA05 GeV excess GalCen - Yangtze 1 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|--------------------|
| 11:00 | [431] Interacting Cosmic Rays with Molecular Clouds in the Galactic Center | GORDON, Chris |
| 11:15 | [801] Observations of High-Energy Gamma-Ray Emission Toward the Galactic Centre | PORTER, Troy |
| 11:30 | [1140] Unveiling the nature of the "Fermi GeV excess": robust characterisation and possible interpretations | CALORE, Francesca |
| 11:45 | [943] Interpreting the GeV gamma-ray excess in terms of non-standard cosmic-ray diffusion models. | URBANO, Alfredo |
| 12:00 | [1234] Testing the interpretation of the Fermi Galactic center excess in terms of unresolved point sources | WENIGER, Christoph |
| 12:15 | break | |

Parallel GA06 TH - Amazon (11:00-12:30)

| time | [id] title | presenter |
|-------|--|----------------------|
| 11:00 | [1304] A Radiation Transfer Model for the UV-submm Radiation Fields in the Milky Way: Application to High Energy Astrophysics | TUFFS, Richard |
| 11:15 | [752] Using GBM As Alert For A Galactic Type Ia Supernova | WANG, Xilu |
| 11:30 | [1144] Are gamma rays produced in the core region of microquasars and AGNs? | KHIALI, Behrouz |
| 11:45 | [1215] The Role of Fast Magnetic Reconnection on the Radio and Gamma-Ray Emission from the Nuclear Regions of Microquasars and Low Luminosity AGNs | KADOWAKI, Luís H. S. |
| 12:00 | [24] Non-thermal radiation from interaction of compact objects with a jet in Cen A | BEDNAREK, Wlodek |
| 12:15 | [269] Very High Energy Emission from Gamma-Ray Bursts | RAZZAQUE, Soebur |

Parallel SH02 - Mississippi (11:00-12:30)

| time | [id] title | presenter |
|-------|---|---------------------|
| 11:00 | [154] The Effect of a Dynamic Inner Heliosheath Thickness on Cosmic Ray Modulation | FERREIRA, Stefan |
| 11:15 | [377] Pick-up Ion Scattering in the Outer Heliosheath - implications for IBEX and Voyager 1 observations. | NIEMIEC, Jacek |
| 11:30 | [595] Cosmic ray anisotropies near the heliopause | STRAUSS, Du Toit |
| 11:45 | [777] Galactic Cosmic Rays Modulation near Heliopause from Numerical Simulations | GUO, Xiaocheng |
| 12:00 | [1247] Cosmic rays beyond the boundary of the heliosphere | FLORINSKI, Vladimir |
| 12:15 | [1119] Propagation Times of Jovian Electrons | VOGT, Adrian |

Parallel CR06 Dir p He - Amazon (14:00-15:30)

| time | [id] title | presenter |
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| 14:00 | [1278] BESS-Polar Measurements of the Cosmic-ray Proton and Helium Spectra | SAKAI, Kenichi |
| 14:15 | [1205] Measurements of Galactic Cosmic-Ray Hydrogen and Helium Isotopes with the BESS-Polar II Instrument | PICOT-CLEMENTE, Nicolas |
| 14:30 | [311] Precision Measurement of the Proton Flux in Primary Cosmic Rays from 1 GV to 1.8 TV with the Alpha Magnetic Spectrometer on the International Space Station. | CHOUTKO, Vitaly |
| 14:45 | [51] Precision Measurement of the Helium Flux in Primary Cosmic Rays from 2 GV to 3 TV with the Alpha Magnetic Spectrometer on the International Space Station | HAINO, Sadakazu |
| 15:00 | [1321] Fermi-LAT Measurement of Cosmic-ray Proton Spectrum | GREEN, David Michael |
| 15:15 | [793] Measurement of trapped and quasitrapped deuterons in PAMELA experiment | KOLDOBSKIY, Sergey |

Parallel CR07 EAS mass - World Forum Theater (14:00-15:30)

| time | [id] title | presenter |
|-------|---|-------------------|
| 14:00 | [618] Report of the Working Group on the Composition of Ultra-High Energy Cosmic Rays | UNGER, Michael |
| 14:15 | [796] Composition at the "ankle" measured by the Pierre Auger Observatory: pure or mixed? | YUSHKOV, Alexey |
| 14:30 | [863] Summary of UHECR composition measurements by the Telescope Array Experiment | BELZ, John |
| 14:45 | [1176] Measurements of the first two moments of the depth of shower maximum over nearly three decades of energy, combining data from the standard Pierre Auger fluorescence detector and the High Elevation Fluorescence Telescopes | PORCELLI, Alessio |
| 15:00 | [781] Telescope Array search for photons and neutrinos with the surface detector data | RUBTSOV, Grigory |
| 15:15 | [920] Measuring the cosmic ray mass composition with LOFAR | BUITINK, Stijn |

Parallel DM02 - Yangtze 2 (14:00-15:30)

| time | [id] title | presenter |
|-------|--|-------------------------|
| 14:00 | [950] Results from the annual modulation analysis of the XMASS-I dark matter data | HIRAIDE, Katsuki |
| 14:15 | [371] Search for dark matter in the hidden-photon sector with a large spherical mirror | VEBERIC, Darko |
| 14:30 | [438] CALET's Sensitivity to Dark Matter and Astrophysical Sources | MOTZ, Holger |
| 14:45 | [981] The test results of the Silicon Tungsten Tracker of DAMPE | GALLO, Valentina |
| 15:00 | [381] The Silicon-Tungsten Tracker of the DAMPE Mission | WU, Xin |
| 15:15 | [1271] Extensive studies of CaMoO4 crystals for dark matter experiments | LUBSANDORZHIEV, Bayarto |

Parallel GA07 MAGIC - Mississippi (14:00-15:30)

| time | [id] title | presenter |
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|-------|--|-----------------------|
| 14:00 | [1336] Highlights of MAGIC | MIRZOYAN, Razmik |
| 14:15 | [772] Study of the extreme flaring activity of Mrk501 during multi-wavelength observations in 2012 | HUGHES, Gareth |
| 14:30 | [360] Tera-electron-Volt pulsed emission from the Crab detected by MAGIC | DE ONA WILHELMI, Emma |
| 14:45 | [289] Discovery of TeV gamma-ray emission from the pulsar wind nebula 3C 58 by MAGIC | LOPEZ-COTO, Ruben |
| 15:00 | [288] Black Hole Lightning from the Peculiar Gamma-Ray AGN IC 310 | GLAWION, Dorit |
| 15:15 | [199] Constraints on the cosmic ray cluster physics from a very deep observation of the Perseus cluster with MAGIC | COLIN, Pierre |

Parallel NU02 - Yangtze 1 (14:00-15:30)

| time | [id] title | presenter |
|-------|---|---------------------|
| 14:00 | [1379] Status of the PINGU detector | CLARK, Ken |
| 14:18 | [1014] All-flavour high-energy neutrino astronomy with KM3NeT/ARCA | PIATTELLI, Paolo |
| 14:36 | [532] KM3NeT - ORCA: Measuring neutrino oscillations and the mass hierarchy in the Mediterranean | BRUNNER, Juergen |
| 14:54 | [741] The IceCube-Gen2 High Energy Array | BLAUFUSS, Erik |
| 15:12 | [1170] Neutrino Telescope Array (NTA): Prospect towards Survey of Astronomical ν_{τ} Sources | HOU, George Wei-Shu |

Poster 1 - (15:30-16:30)

High-Light Talks - World Forum Theater (16:30-18:30)

| time | [id] title | presenter |
|-------|--|-----------------|
| 16:30 | [1377] Nine Years of Cosmic Ray Investigation by the PAMELA Experiment | BOEZIO, Mirko |
| 17:00 | [891] Progress in the Development of Radio-Cherenkov Neutrino Detectors | BARWICK, Steven |
| 17:30 | [128] 2FHL: The second Catalog of Hard Fermi-LAT Sources | AJELLO, Marco |
| 18:00 | [1378] Elemental Abundances of Ultra-Heavy GCRs measured by SuperTIGER and ACE-CRIS and the Origin of Galactic Cosmic Rays | HAMS, Thomas |

ApPIC/IUPAP: Open data Policy Recommendations - World Forum Theater (18:30-19:00)

Saturday 01 August 2015

Invited Review Talks - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|--|-----------------|
| 09:00 | [1382] Dark matter candidates: status and perspectives | TAIT, Tim M.P. |
| 09:45 | [721] Recent Results in Neutrino Astronomy | KOPPER, Claudio |

Parallel CR08 Dir light - Yangtze 2 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|----------------------------|
| 11:00 | [376] LITHIUM AND BERYLLIUM ISOTOPES IN THE PAMELA-EXPERIMENT | MENN, Wolfgang |
| 11:15 | [990] Measurement of Lithium and Beryllium cosmic-ray abundances by the PAMELA experiment | MORI, Nicola |
| 11:30 | [589] Precision Measurement of Lithium Flux in Cosmic Rays with the Alpha Magnetic Spectrometer on the International Space Station | DEROME, Laurent Yves Marie |
| 11:45 | [355] Precision Measurement of Boron to Carbon Flux Ratio in Cosmic Rays with energies from 0.5 GeV/n to 1 TeV/n with the Alpha Magnetic Spectrometer on the International Space Station. | OLIVA, Alberto |
| 12:00 | [520] Precision Measurement of the Carbon to Helium Flux Ratio in Cosmic Rays from 2 GV to 2 TV with the Alpha Magnetic Spectrometer on the International Space Station | HEIL, Melanie |
| 12:15 | [702] Voyager 1 Observations of Galactic Cosmic Rays in the Local Interstellar Medium: Energy Density and Ionization Rates | CUMMINGS, Alan |

Parallel CR09 EAS knee - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|---|---|
| 11:00 | [340] The energy spectrum of cosmic rays in the range from 10^{14} \$ to 10^{18} eV | SCHOO, Sven |
| 11:15 | [45] Energy spectrum of the primary cosmic rays in the range 10 GV--10 TV | CHANDRA, ANUJ |
| 11:30 | [1181] Observation of primary cosmic rays with the new Tibet hybrid experiment(YAC-II + Tibet-III + MD) | HUANG, Jing FOR THE TIBET ASGAMMA COLLABORATION, for the Tibet ASgamma Collaboration |
| 11:45 | [315] Observation of a knee in the p+He energy spectrum below 1 PeV by using an hybrid measurement with ARGO-YBJ and a LHAASO Cherenkov Telescope | SHOUSHAN, Zhang |
| 12:00 | [917] Observation of a knee in the p+He energy spectrum below 1 PeV by measuring particle densities very close to the EAS core with the ARGO-YBJ experiment | DE MITRI, Ivan |
| 12:15 | [961] Observation of a knee in the p+He energy spectrum below 1 PeV by using a bayesian technique for the data analysis of the ARGO-YBJ experiment. | MONTINI, Paolo |

Parallel GA08 EGAL - Yangtze 1 (11:00-12:30)

| time | [id] title | presenter |
|-------|--|--------------------|
| 11:00 | [927] Detection of very-high-energy gamma rays from the most distant and gravitationally lensed blazar S3 0218+35 using the MAGIC telescope system | SITAREK, Julian |
| 11:15 | [879] The extreme environment in the center of Mrk 876 and the switch on of its AGN activity | BOTTACINI, Eugenio |
| 11:30 | [762] VERITAS detection of gamma-ray flaring activity from the BL Lac object 1ES1727+502 during bright moonlight observations | CERRUTI, Matteo |
| 11:45 | [742] Discovery of VHE gamma-rays from the radio galaxy PKS 0625-354 with H.E.S.S. | DYRDA, Michal |
| 12:00 | [668] The Detection of Fermi AGN above 100 GeV using Clustering Analysis | ARMSTRONG, Thomas |
| 12:15 | [591] A Bright Gamma-ray flare from the Blazar B2 1215+30 Detected by VERITAS and Fermi-LAT | ZEFI, Floriana |

Parallel GA09 Binaries - Amazon (11:00-12:30)

| time | [id] title | presenter |
|-------|--|------------------------|
| 11:00 | [1197] H.E.S.S. observations of PSR B1259-63 during its 2014 periastron passage | ROMOLI, Carlo |
| 11:15 | [1280] H.E.S.S. observations of LS 5039 | MARIAUD, Christian |
| 11:30 | [295] VHE gamma-ray observations of transient and variable stellar objects with the MAGIC telescopes | FERNANDEZ-BARRAL, Alba |
| 11:45 | [620] DETECTION OF PERSISTENT SUB-GEV GAMMA-RAY EMISSION TOWARDS SS433/W50 | BORDAS, Pol |
| 12:00 | [1243] Linking gamma-ray observations with models of eta Carinae | REIMER, Olaf |
| 12:15 | [1020] Time-dependent modelling of particle acceleration and non-thermal emission in Eta Carina | ZABALZA, Victor |

Parallel SH03 - Mississippi (11:00-12:30)

| time | [id] title | presenter |
|-------|---|--------------------|
| 11:00 | [477] Influence of region behind the shock front on acceleration of solar energetic particles | PETUKHOV, Ivan |
| 11:15 | [853] Solar Energetic Particles measured by AMS-02 | BINDI, Veronica |
| 11:30 | [857] Study of the Solar Modulation of Local Interstellar Protons with AMS-02, PAMELA, Neutron Monitors and Voyager 1 | CORTI, Claudio |
| 11:45 | [566] Transport of Solar Energetic Particles across the Parker field due to field line meandering | LAITINEN, Timo |
| 12:00 | [1021] On the origin of relativistic solar particle events: interplanetary transport modelling and radio emission | KLEIN, Karl-Ludwig |
| 12:15 | [926] Search for solar neutrons during the maximum activity of solar cycle 24 | MATSUBARA, Yutaka |

NTA - Murray (12:45-13:45)

Discussion towards future Neutrino Telescope Array for beyond PeV ν_{τ} 's

Parallel CR10 Dir heavy - Mississippi (14:00-15:30)

| time | [id] | title | presenter |
|-------|--------|---|--------------------|
| 14:00 | [394] | Observation of 60Fe in the Galactic Cosmic Rays | ISRAEL, Martin |
| 14:15 | [1264] | SuperTIGER and the Origin of Galactic Cosmic-Rays | SASAKI, M. |
| 14:30 | [1314] | Abundances of Ultra-Heavy Galactic Cosmic Rays from the SuperTIGER Instrument | MURPHY, Ryan |
| 14:45 | [817] | Galactic Cosmic-Ray Composition and Spectra for Ne through Ni from 0.8 to 10 GeV/nuc with the SuperTIGER Instrument | LABRADOR, Allan |
| 15:00 | [718] | Energy spectra of nuclei from protons to iron in sources, according to the ATIC experiment | PANOV, Alexander |
| 15:15 | [561] | The NUCLEON Space Experiment status and the first results | PODOROZHNY, Dmitry |

Parallel CR11 Radio - Amazon (14:00-15:30)

| time | [id] | title | presenter |
|-------|--------|---|--------------------------|
| 14:00 | [841] | SLAC T-510: A beam-line experiment of radio emission from particle cascades in the presence of a magnetic field | BELOV, Konstantin |
| 14:15 | [693] | New results of the digital radio interferometer LOPES | SCHRÖDER, Frank G. |
| 14:30 | [1260] | Telescope Array Radar (TARA): First Measurement of EAS Radar Cross-section Upper Limit | MYERS, Isaac |
| 14:45 | [645] | High-precision measurements of extensive air showers with the SKA | HUEGE, Tim |
| 15:00 | [531] | The lunar Askaryan technique with the Square Kilometre Array | JAMES, Clancy |
| 15:15 | [357] | Radio emission from ultra-high energy cosmic-ray showers after reflecting on the Earth. | GARCÍA FERNÁNDEZ, Daniel |

Parallel DM03 - Yangtze 2 (14:00-15:30)

| time | [id] | title | presenter |
|-------|--------|--|--------------------|
| 14:00 | [1164] | Determining the Local Dark Matter Density | SILVERWOOD, Hamish |
| 14:15 | [283] | Dark matter annihilation and decay factors in the Milky Way's dwarf spheroidal galaxies | BONNIVARD, Vincent |
| 14:30 | [356] | Astrophysical explanation of AMS-02 electron and positron data and constraints on dark matter contribution | DI MAURO, Mattia |
| 14:45 | [834] | A dark matter origin of the extragalactic radio background | FANG, Ke |
| 15:00 | [1173] | Stellar evolution constrains primordial black holes as dark matter candidates | PSHIRKOV, Maxim |
| 15:15 | [942] | A new look at the cosmic ray positron fraction | BOUDAUD, Mathieu |

Parallel GA10 VERITAS - World Forum Theater (14:00-15:30)

| time | [id] | title | presenter |
|-------|--------|---------------------------------|----------------|
| 14:00 | [1156] | Science Highlights from VERITAS | STASZAK, David |

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| 14:20 | [868] Highlights from the VERITAS AGN Observation Program | BENBOW, Wystan |
| 14:34 | [1214] The TeV Morphology of the Interacting Supernova Remnant IC 443 | HUMENSKY, Brian |
| 14:48 | [662] VERITAS observations of exceptionally bright TeV flares from LS I +61 303 | O'FAOLAIN DE BHROITHE, Anna |
| 15:02 | [686] VERITAS Observations of The Galactic Center Ridge | SMITH, Andrew |
| 15:16 | [542] A detailed study of gamma-ray emission from Cassiopeia A using VERITAS | KUMAR, Sajan |

Parallel NU03 - Yangtze 1 (14:00-15:30)

| time | [id] title | presenter |
|-------|--|---------------------|
| 14:00 | [959] Motivations and Techniques of a Surface Detector to Veto Air Showers for Neutrino Astronomy with IceCube at the Southern Sky | AUFFENBERG, Jan |
| 14:15 | [1142] The first construction phase of the Baikal-GVD neutrino telescope | SHAYBONOV, Bair |
| 14:30 | [468] Experimental calibration of the ARA radio neutrino telescope with an electron beam in ice | MASE, Keiichi |
| 14:45 | [843] The ExaVolt Antenna Mission Concept and Technology Developments | ROMERO-WOLF, Andrew |
| 15:00 | [1180] On the feasibility of the radar detection of high-energy cosmic neutrinos | DE VRIES, Krijn |
| 15:15 | [1297] Phased Radio Arrays for Ultra-high Energy Neutrino Detectors | BECHTOL, Keith |

Poster 2 - (15:30-16:30)

Poster 2 CR - Amazon Foyer (15:30-16:30)

| [id] | title | presenter | board |
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| [216] | Measuring the e^+e^- Flux above 1 TeV with HAWC | HAMPEL-ARIAS, Zigfried | 216 |
| [768] | Searching for primordial black hole evaporation signal with AMON | TEŠIĆ, Gordana | 231 |
| [212] | Universality of the lateral and angular distributions of electrons in large extensive air showers | MIŁKOWSKI, Andrzej | 214 |
| [213] | Observation of intense fluxes of charged particles in association with thundercloud in Tibet | HIBINO, Kinya | 215 |
| [622] | Dedicated power supply system for silicon photomultipliers | SCHUMACHER, Johannes | 150 |
| [1262] | Galactic cosmic ray propagation models using Picard | REIMER, Olaf | 189 |
| [760] | Study on Temperature effect in DAMPE BGO ECAL | WEI, Yifeng | 156 |
| [766] | The cosmic-ray energy spectrum above $\sim 10^{16}$ eV measured with the LOFAR Radboud Air Shower Array | THOUDAM, Satyendra | 230 |
| [660] | Modelling of radio emission in the SLAC T-510 Experiment using microscopic Geant4 simulations | ZILLES, Anne | 246 |
| [134] | The radial gradient of cosmic ray intensity in the Galaxy | ERLYKIN, Anatoly | 180 |
| [139] | Temporal signatures of the Cherenkov light induced by extensive air showers of cosmic rays detected with the Yakutsk array | IVANOV, Anatoly | 212 |

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| [1072] Reconstruction of the parameters of cosmic ray induced extensive air showers using radio detection and simulation | GATÉ, Florian | 203 |
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| [401] Bayesian Approach to Galactic Cosmic Ray Propagation | MOSKALENKO, Igor | 184 |
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| [997] Large scintillator EN-detector with natural boron for EAS study | AMELCHAKOV, Mikhail | 163 |
| [993] A general estimator of the primary cosmic ray energy with the ARGO-YBJ experiment | IACOVACCI, michele MASTROIANNI, Stefano | 200 |
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| [1267] Study of Cosmic-Ray Transport with the GALPROP Code | PICOT-CLEMENTE, Nicolas | 190 |
| [715] TRACKING COSMIC RAYS BY CRAYFIS GLOBAL DETECTOR | KUMAR, RAJIV | 155 |
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| [416] EAS lateral distribution measured by the ARGO-YBJ experiment | MA, lingling | 192 |
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| [559] THE RELATIONSHIP BETWEEN GALACTIC COSMIC RAYS AND SOLAR WIND | IHONGO, GRACE | 187 |
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| [71] Feasibility study of detection of high-Z material in nuclear waste storage facilities with atmospheric muons | MORI, Nicola | 136 |
| [1041] Cosmic ray measurements in the atmosphere at several latitudes in October, 2014 | MAKHMUTOV, Vladimir | 244 |
| [705] Photon Counting with a Fully Digital FDIRC (Focused Differential Internal Reflection Cherenkov) | MARROCCHESI, Pier Simone | 154 |
| [947] New concept of very high energy cosmic ray observation by wide field-of-view telescope | SHINOZAKI, Kenji | 161 |
| [353] The instrumentation of the data acquisition system for the MonRat | LEIGUI DE OLIVEIRA, Marcelo | 141 |
| [352] A template method for measuring the iron spectrum in cosmic rays with Cherenkov telescopes | FLEISCHHACK, Henrike | 220 |
| [685] Is radar detection of extensive air showers feasible? | STASIELAK, Jaroslaw | 229 |
| [681] The in-flight calibration of the TUS orbital detector | TKACHEV, Leonid | 153 |

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Poster 2 DM and NU - Amazon Foyer Terrace (15:30-16:30)

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| [630] The Giant Radio Array for Neutrino Detection | TIMMERMANS, Charles | 281 |

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| [578] Rejection of atmospheric muons in KM3NeT/ORCA | FUSCO, Luigi Antonio | 263 |
| [709] Diffuse CR, neutrino and gamma-ray fluxes from starburst and star-forming galaxies within the 'escape model' | GIACINTI, Gwenael | 290 |
| [624] Time-dependent search of high energy cosmic neutrinos from variable Blazars with the ANTARES telescope | DORNIC, Damien | 258 |
| [748] Shower reconstruction with the KM3NeT/ORCA detector | HOFESTÄDT, Jannik | 253 |
| [1149] High energy neutrino production in the core region of radio galaxies due to particle acceleration by magnetic reconnection | KHIALI, Behrouz | 292 |
| [193] A search for neutrinos from Gamma Ray Bursts with the IceCube Neutrino Detector | BRAYEUR, Lionel CASIER, Martin | 252 |
| [111] Improved predictions of ultra-high-energy neutrinos and cosmic rays from gamma-ray bursts | BUSTAMANTE, Mauricio | 294 |
| [179] Galactic contribution to the IceCube astrophysical neutrino signal | NERONOV, Andrii | 291 |
| [175] Detection of tau neutrinos by Imaging Air Cherenkov Telescopes | GORA, Dariusz | 280 |
| [87] Nucleon decay search in Super-Kamiokande | MIURA, Makoto | 256 |
| [493] Search for GRB neutrino emission according to the photospheric model with the ANTARES telescope | SANGUINETI, Matteo | 255 |
| [855] Spectrometry of the Earth using Neutrino Oscillations | TAKETA, Akimichi | 284 |
| [955] Design Study of an Air Cherenkov Telescope for Efficient Air-Shower Detection at 100 TeV at the South Pole on Top of IceCube | SCHUMACHER, Johannes AUFFENBERG, Jan | 286 |
| [491] Self-veto approaches to reject atmospheric neutrinos in KM3NeT/ARCA | HEID, Thomas | 254 |
| [1370] Neutrinos from galactic compact binaries | DA SILVA, Luiz | 289 |
| [1113] Effect of local terrain in neutrino propagation based on Simulation with topographic data | LIU, T.C. | 260 |
| [341] Searches for neutrinos from Gamma-ray burst with 4 years of the ANTARES data | TURPIN, Damien | 251 |
| [508] Simulation Studies for a Surface Veto Array to Identify Astrophysical Neutrinos at the South Pole | EULER, Sebastian GONZALEZ, Javier | 276 |
| [1120] Reconstruction of track-type neutrino events in KM3NeT/ORCA | GALATA, salvatore | 259 |
| [282] Low-energy (100 GeV - few TeV) neutrino point source searches in the Southern sky with IceCube | STROEM, Rickard | 268 |
| [362] Search for extragalactic astrophysical counterparts of IceCube neutrino events | MOHARANA, Reetanjali | 293 |
| [1094] Improved methods for solar Dark Matter searches with the IceCube neutrino telescope | ZOLL, Marcel | 269 |
| [585] Observation of neutrinos with JEM-EUSO: an updated view | SANTANGELO, Andrea | 282 |
| [351] Search for nuclearites with the ANTARES neutrino telescope | PAVALAS, Gabriela | 266 |
| [300] Model-independent search for neutrino sources with the ANTARES neutrino telescope | GEIßELSÖDER, Stefan | 271 |
| [899] Sensitivity of the JEM-EUSO detector to UHE tau neutrino | VANKOVA-KIRILOVA, Galina | 283 |
| [1272] Testing magnetars as sources of VHE and UHE cosmic rays with | FANG, Ke | 288 |
| [1151] GEANT4 simulation of optical modules in neutrino telescopes | HUGON, Christophe | 272 |

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| [567] Acoustic properties of glacial ice for neutrino detection and the Enceladus Explorer | HOFFMANN, Ruth | 285 |
| [267] Neutrino-triggered target-of-opportunity programs in IceCube | GORA, Dariusz | 270 |
| [95] GADZOOKS!: status and physics potential | FERNÁNDEZ, Pablo | 278 |
| [504] The Online Follow-Up Framework for Neutrino-Triggered Alerts from IceCube | STASIK, Alexander | 264 |
| [96] Structure of Massive Protoneutron neutron star PSR J1614-2230 with Trapped Neutrinos | JIA, Huanyu | 287 |
| [1282] Muon track reconstruction and muon energy estimate in the KM3NeT/ARCA detector | SAPIENZA, Piera | 275 |
| [1186] Reconstruction of cascade-type neutrino events in KM3NeT/ARCA | STRANSKY, Dominik | 277 |
| [848] Online and Near Realtime Searches for Neutrinos from GRBs with | FELDE, John | 273 |
| [417] Atmospheric muon and electron neutrino energy spectrum measured by first year of IceCube-86 detector | KUWABARA, Takao | 262 |
| [644] Fermi-LAT studies of IceCube's track-like HESE events. | BROWN, Anthony | 265 |
| [1360] MCEq - numerical code for inclusive lepton flux calculations | ENGEL, Ralph Richard | 295 |
| [241] Search for high-energy neutrinos from dust obscured Blazars | MAGGI, Giuliano | 257 |
| [800] Astrophysical interpretation of small-scale neutrino angular correlation searches with IceCube | SCHIMP, Michael | 267 |
| [807] IceTop as Veto for IceCube | TOSI, Delia JERO, Kyle | 261 |
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| [822] Measuring Neutrinos with the ARIANNA Hexagonal Radio Array | NELLES, Anna | 274 |

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| [605] MESS: A Prototype for the Cherenkov Telescope Array Pipelines Framework | MARX, Ramin | 111 |
| [217] Searches for Gamma-Ray Emission from TeV Binary Candidates with HAWC | BENZVI, Segev | 51 |
| [600] Exploring the potential X-ray counterpart of the puzzling TeV gamma-ray source HESS J1507-622 with new Suzaku observations | EGER, Peter | 75 |
| [303] Application of Complex Event Processing Software to Error Detection and Recovery for Arrays of Cherenkov Telescopes | HOLCH, Tim | 61 |
| [556] The On-Site Analysis of the Cherenkov Telescope Array | SCHÜSSLER, Fabian | 76 |
| [191] Monte Carlo Studies of the Gamma-ray Cherenkov Telescope for the Cherenkov Telescope Array | ARMSTRONG, Thomas | 90 |
| [550] A concept of long buffer readout system for large-area gamma-ray | SHAYDUK, Maxim | 114 |
| [553] Long term lightcurve of the BL Lac object 1ES $\text{\scriptsize 1502-029}+200$ at TeV | COLOGNA, Gabriele | 77 |
| [61] Analytical Real-Time Analysis sensitivity evaluation of the Cherenkov Telescope Array | INOUE, Susumu | 66 |

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| [62] Central Acceptance Testing for Camera Technologies for the Cherenkov Telescope Array | BONARDI, Antonio | 101 |
| [130] Construction of a Schwarzschild-Couder telescope as a candidate for the Cherenkov Telescope Array: Implementation of the optical system | PETRASHYK, Andriy | 83 |
| [238] A high-level analysis framework for HAWC | LAUER, Robert | 112 |
| [65] Characterization and commissioning of the SST-1M camera for the Cherenkov Telescope Array | MONTARULI, Teresa | 102 |
| [395] Simulations of a Distributed Intelligent Array Trigger for the Cherenkov Telescope Array | WEINSTEIN, Amanda | 91 |
| [112] Energy Determination and Gamma/Hadron Separation using the Lateral Distribution of EAS for the 100 TeV Gamma-Ray Astronomy | KAWATA, Kazumasa | 92 |
| [252] The Instrument Response Function Format for the Cherenkov Telescope Array | WARD, John E | 103 |
| [176] Silicon Photomultiplier Research and Development Studies for the Large Size Telescope of the Cherenkov Telescope Array | RANDO, Riccardo | 104 |
| [236] Cherenkov Telescope Array Data Management | LAMANNA, Giovanni | 115 |
| [174] FACT - First Energy Spectrum from a SiPM Cherenkov Telescope | TEMME, Fabian | 67 |
| [610] Modern Middleware for the Data Acquisition of the Cherenkov Telescope Array | WU, Xin | 121 |
| [138] Study on the Sensitivity of high-energy GRB detection using the single-particle technique at an altitude 5200 m a.s.l | LIU, Maoyuan DANZENG, luobu | 84 |
| [536] A concept of wide-angle Cherenkov gamma-ray instrument with minimal imaging | SHAYDUK, Maxim | 88 |
| [47] 40-Gbps Data-Acquisition System for NectarCAM proposal for the Cherenkov Telescope Array | SIZUN, Patrick Yves | 78 |
| [699] SiPM and front-end electronics development for Cherenkov light detection | BISSALDI, Elisabetta | 85 |
| [28] The very high energy characteristics of shell-type SNRs at different ages | SINITSYNA, Vera Georgievna | 65 |
| [346] Data processing activities at the MAGIC site | FIDALGO, David | 68 |
| [248] Lowering the ARGO-YBJ energy threshold to a few tens of GeV by using the double front shower events | ZHOU, Xunxiu | 69 |
| [209] Monte Carlo Performance Studies of Candidate Sites for the Cherenkov Telescope Array | MAIER, GERNOT | 80 |
| [180] Prospects On Testing Lorentz Invariance Violation With The Cherenkov Telescope Array | DANIEL, Michael | 70 |
| [347] Investigating the X-ray emission from the Galactic TeV Gamma-ray Source MGRO J1908+06 | PANDEL, Dirk | 53 |
| [343] Application of Maximum Entropy Deconvolution to γ -ray skymaps | RAAB, Susanne | 54 |
| [189] Significance for signal changes in γ -ray astronomy | STEFANIK, Stanislav | 74 |
| [285] Prospects for Gamma Ray Bursts detection with LHAASO | VERNETTO, Silvia VIGORITO, Carlo Francesco | 55 |
| [284] Design of a prototype device to calibrate the Large Size Telescope camera of the Cherenkov Telescope Array | DE PERSIO, Fulvio | 86 |
| [308] Using UV-pass filters for bright Moon observations with MAGIC | CORTINA, Juan | 94 |

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| [203] Performance of the MAGIC telescopes under moonlight | COLIN, Pierre | 79 |
| [202] Parallel waveform extraction algorithms for the Cherenkov Telescope Array Real-Time Analysis | MARX, Ramin | 119 |
| [469] Layout design studies for medium-size telescopes within the Cherenkov Telescope Array | HASSAN, Tarek | 106 |
| [204] First results on the two square meters multilayer glass composite mirror design proposed for the Cherenkov Telescope Array developed at | RANDO, Riccardo | 120 |
| [83] TARGET: toward a solution for the readout electronics of the Cherenkov Telescope Array | TIBALDO, Luigi | 113 |
| [999] Probing cluster environments of blazars through gamma-gamma | SUSHCH, Iurii | 124 |
| [467] The background from single pi0 events in the IACT observations | SOBCZYNSKA, Dorota | 107 |
| [185] Unexpected gamma-ray signal in the vicinity of 1ES 0229+200 | STEFANIK, Stanislav | 64 |
| [447] Long-term TeV Observations of the Gamma-ray Binary HESS J0632+057 with VERITAS | MAIER, Gernot | 62 |
| [305] Using muon rings for the optical throughput calibration of the SST-1M prototype for the Cherenkov Telescope Array | TOSCANO, Simona | 63 |
| [77] Constraints on particle acceleration in Rosette and Orion nebulae with Fermi-LAT observations | LAMANNA, Giovanni | 81 |
| [181] The Camera Calibration Strategy of the Cherenkov Telescope Array | DANIEL, Michael | 105 |
| [370] Prototype of the SST-1M Telescope Structure for the Cherenkov Telescope Array | NIEMIEC, Jacek | 95 |
| [251] Study of hadron and gamma-ray acceptance of the MAGIC telescopes: towards an improved background estimation | PRANDINI, Elisa | 72 |
| [129] Redshift measurement of the BL-Lac gamma-ray blazar PKS 1424+240 | ROVERO, Adrian C. | 56 |
| [278] Simultaneous H.E.S.S. and RXTE observations of the microquasars GRS 1915+105, Circinus X-1 and V4641 Sgr | SCHÜSSLER, Fabian | 59 |
| [249] Camera calibration strategy of the SST-1M prototype of the Cherenkov Telescope Array | PRANDINI, Elisa | 96 |
| [107] Flasher and muon-based calibration of the GCT telescopes proposed for the Cherenkov Telescope Array | BROWN, Anthony | 123 |
| [104] Real-time atmospheric monitoring for the Cherenkov Telescope Array using a wide-field optical telescope | EBR, Jan | 97 |
| [78] DigiCam - Fully Digital Compact Read-out and Trigger Electronics for the SST-1M Telescope proposed for the Cherenkov Telescope Array | OSTROWSKI, M. | 122 |
| [509] MAGIC discovery and observation of the candidate extreme BL Lac object RBS 0723 | CAROSI, Alessandro | 82 |
| [505] The very high energy source catalogue at the ASI Science Data Center | CAROSI, Alessandro | 71 |
| [58] The Optical system for the Large Size Telescope of the Cherenkov Telescope Array | HAYASHIDA, Masaaki | 87 |
| [271] Observations of hard spectrum Unassociated Fermi Objects with MAGIC | SATALECKA, Konstancja | 58 |
| [995] Radio observations of the evolved pulsar wind nebula HESS J1303-631 with ATCA | SUSHCH, Iurii | 73 |
| [418] Detector Considerations for a HAWC Southern Observatory | DUVERNOIS, Michael | 100 |

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| [329] Data model issues in the Cherenkov Telescope Array project | SATALECKA, Konstancja | 118 |
| [498] A Generic Algorithm for IACT Optical Efficiency Calibration using Muons | MITCHELL, Alison | 52 |
| [424] THE ARCADE RAMAN LIDAR SYSTEM FOR THE CHERENKOV TELESCOPE ARRAY | VALORE, Laura | 93 |
| [529] Upgrade paths for the HAWC gamma-ray observatory | SANDOVAL, ANDRES | 108 |
| [470] Expectation on Observation of Gamma-ray Astronomy with the LHAASO Project | CUI, Shuwang | 117 |
| [63] Calibration of the Cherenkov Telescope Array | DANIEL, Michael | 116 |
| [723] Prospects for Gamma-Ray Bursts detection by the Cherenkov Telescope Array | BISSALDI, Elisabetta | 109 |
| [298] FACT – Calibration of Imaging Atmospheric Cerenkov Telescopes with Muon Rings | TEMME, Fabian | 60 |
| [296] Simulation of electron trajectories in nuclear emulsion and its application | IYONO, Atsushi | 99 |
| [274] Cooling Tests of the NectarCAM camera for the Cherenkov Telescope Array | MOULIN, Emmanuel | 110 |
| [294] INFN Camera demonstrator for the Cherenkov Telescope Array | VIGORITO, Carlo | 89 |
| [372] Performance of Silicon Photomultipliers for the Dual-Mirror Medium-Sized Telescopes of the Cherenkov Telescope Array | BITEAU, Jonathan | 98 |
| [292] Very high energy gamma-ray follow-up observations of novae and dwarf novae with the MAGIC telescopes | LOPEZ-COTO, Ruben | 57 |
| [1000] Role of the disk environment in the gamma-ray emission from the binary system PSR B1259-63/LS 2883 | SUSHCH, Iurii | 125 |
| [829] Gamma Hadron Separation using Pairwise Compactness Method with HAWC | HAMPEL-ARIAS, Zigfried | 126 |

Poster 2 SH - Theater Foyer (15:30-16:30)

| [id] title | presenter | board |
|--|---------------------------------|-------|
| [1329] Monitoring Environmental Water with Ground Albedo Neutrons from Cosmic Rays | SCHRÖN, Martin | 44 |
| [1344] Application of correlative and continuous wavelet analyses to comparative studies of correctness of neutron monitor data sets | KOBYLINSKI, Zbigniew | 32 |
| [576] Cosmic ray Daily variation on Anomalous day | DUBEY, arvind | 20 |
| [1203] Non-geoeffective interplanetary disturbances observed by muon hodoscope URAGAN | BARBASHINA, Natalia | 28 |
| [88] Simultaneous Observation of Solar Neutrons from the ISS and High Mountain Observatories in association with a flare on July 8, 2014 | MATSUBARA, Yutaka | 6 |
| [53] The cosmic-ray ground-level enhancements of 29 September 1989 and 20 January 2005 | MORAAL, Harm | 4 |
| [582] Neutron monitor counting rates at different cut off Rigidity from Galactic Cosmic rays | DUBEY, arvind | 21 |
| [1257] Neutron- γ discrimination on the Solar Neutron Telescope at Sierra Negra, Mexico using pulse shape analysis | ANZORENA MÉNDEZ, Marcos Alfonso | 30 |
| [513] The Infrastructure of the time series statistics analysis for the muon | TAKAMARU, Hisanori | 19 |
| [1193] Comparison of muon hodoscope URAGAN and neutron monitors' data for 2008 – 2014 | BARBASHINA, Natalia | 27 |

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| [525] The background conditions of cosmic ray ion charge measurements in MONICA experiment | BAKALDIN, Alexey | 38 |
| [1039] Mini neutron monitor measurements at the Neumayer III station and on the German research vessel Polarstern | HERBST, Konstantin | 25 |
| [689] NMDB: the database for real-time and historical Neutron Monitor measurements | STEIGIES, Christian | 23 |
| [409] The event of ground level enhancement of solar cosmic rays on October 28, 2003: the spectrum in a wide energy range. | GOLOLOBOV, Petr | 13 |
| [286] Neutron Monitors for solar modulation studies: 1. Systematic uncertainties | MAURIN, David Alain | 11 |
| [1230] SEP Protons and Electrons in GEO with the ESA MultiFunctional Spectrometer | FERREIRA DA GAMA VELHO ARRUDA, Luisa | 43 |
| [895] Interplanetary shock manifestation in cosmic rays and geomagnetic field | PETUKHOV, Ivan | 35 |
| [638] Simulations of Polar-Region Atmospheric Ionization Induced by the Ground Level Enhancement of January 20, 2005 | RUFFOLO, David | 22 |
| [716] THE SUN SHADOW OBSERVED BY HAWC | LARA, Alejandro | 39 |
| [441] Measurement and simulation of neutron monitors count rate dependence on surrounding structure | MANGCARD, Pierre-Simon | 17 |
| [1239] Development of new front end electronics for the SciCRT detector at Sierra Negra, Mexico | ANZORENA MÉNDEZ, Marcos Alfonso | 29 |
| [307] Design of the high voltage supply module of a prototype energy spectrometer for solar wind plasma measurement | YANG, Di | 37 |
| [120] SciBar Cosmic Ray Telescope (SciCRT) at Mt. Sierra Negra, Mexico as a component muon detector of the Global Muon Detector Network | MUNAKATA, Kazuoki | 9 |
| [74] SENSITIVITY OF THE WORLD-WIDE NEUTRON MONITOR NETWORK TO SOLAR NEUTRONS: A REVISITED APPROACH | MISHEV, Alexander | 5 |
| [1229] Solar Influence on Decay Rate (SIDR) Experiment | BASHINDZHAGYAN, George | 42 |
| [489] Relation of the equatorial component of the cosmic ray anisotropy to the parameters of interplanetary medium | KRYAKUNOVA, Olga | 18 |
| [101] A mini neutron monitor in Central Antarctica (Dome Concordia) | USOSKIN, Ilya | 7 |
| [482] Ion acceleration by shock surfing | PETUKHOVA, Anastasia | 34 |
| [105] Database of Ground Level Enhancements (GLE) of High Energy Solar Proton Events | USOSKIN, Ilya | 8 |
| [1285] Frequency analysis of the Mexico City neutron monitor time series using fractal and wavelet | VALDES-GALICIA, Jose | 31 |
| [1026] Current status of MuSTanG at the Christian-Albrechts-University Kiel | BANJAC, Saša | 41 |
| [17] Computation of ionization effect due to cosmic rays in polar middle atmosphere during GLE 70 on 13 December 2006 | VELINOV, Peter | 2 |
| [1023] Estimation of the cosmic ray ionization in the Earth's atmosphere during GLE71 | DORMAN, Lev | 24 |
| [18] Computation of ion production rate profiles induced by cosmic rays during Bastille day 14 July 2000 ground level enhancement GLE 59 | VELINOV, Peter | 3 |
| [1089] Long-term measurements of cosmic ray fluxes in the atmosphere | MAKHMUTOV, Vladimir | 26 |
| [722] SOLAR EVENT SIMULATIONS USING HAWC SCALER SYSTEM | ENRIQUEZ-RIVERA, Olivia | 40 |

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| [411] Dynamics of zonal components of the cosmic ray distribution during geomagnetic storms | GOLOLOBOV, Petr | 14 |
| [412] Investigation of short-term disturbances of the solar wind using a tensor anisotropy method | GOLOLOBOV, Petr | 15 |
| [297] Cosmic ray intensity variations in the 24th solar cycle observed by LAAS experiments | IYONO, Atsushi | 12 |
| [434] Relationship between the Neutron Time Delay Distribution and the Rigidity Spectrum of Primary Cosmic Rays up to 16.8GV | MANGEARD, Pierre-Simon | 16 |
| [12] ANALYZING THE 2014 JANUARY 6 GROUND LEVEL ENHANCEMENT | SDOBNOV, Valery | 1 |
| [240] Applications of the Adelaide HEAMS muon detector | CLAY, Roger | 10 |

High-Light Talks: - World Forum Theater (16:30-18:30)

| time | [id] title | presenter |
|-------|---|------------------|
| 16:30 | [391] Multi-Messenger Aspects of Cosmic Neutrinos | AHLERS, Markus |
| 17:00 | [1291] Searching for Dark Matter Shining in Gamma Rays in the Galactic center | MURGIA, Simona |
| 17:30 | [1373] Radio detection of Cosmic Rays with LOFAR | HÖRANDEL, Jörg |
| 18:00 | [1222] An Investigation of the Causes of Solar-Cycle Variations in SEP Fluences and Composition | MEWALDT, Richard |

Monday 03 August 2015

Invited Review Talks - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|---|------------------|
| 09:00 | [389] Solar Energetic Particles and Solar Events - Lessons Learned from Multi-Spacecraft Observations | COHEN, Christina |
| 09:45 | [1395] Status overview of gamma-ray astronomy | HAYS, Elizabeth |

Parallel CR12 Radio - Amazon (11:00-12:30)

| time | [id] title | presenter |
|-------|--|-------------------|
| 11:00 | [549] Multi-scale and multi-frequency studies of cosmic ray air shower radio signals at the CODALEMA site | DALLIER, Richard |
| 11:15 | [912] The Energy Content of Extensive Air Showers in the Radio Frequency Range of 30-80 MHz | GLASER, Christian |
| 11:30 | [977] A lateral distribution function for the radio emission of air showers | NELLES, Anna |
| 11:45 | [492] Probing atmospheric electric fields in thunderstorms through radio emission from extensive air showers | TRINH, Gia |
| 12:00 | [1067] Polarization and radio wavefront of air showers as measured with LOFAR | CORSTANJE, Arthur |
| 12:15 | [502] The Tunka Radio Extension: two years of air-shower measurements | KOSTUNIN, Dmitriy |

Parallel DM04 - Yangtze 2 (11:00-12:30)

| time | [id] title | presenter |
|-------|--|------------------------|
| 11:00 | [1174] Dark Matter searches with Fermi LAT in direction of dwarf spheroidals | WOOD, Matthew |
| 11:15 | [66] Constraining the Dark Matter lifetime with very deep observations of the Perseus cluster with MAGIC | PALACIO, Joaquim |
| 11:30 | [279] Dark matter search in the inner Galactic halo with H.E.S.S. II | LEFRANC, Valentin |
| 11:45 | [757] Status of cosmic ray antideuteron searches | VON DOETINCHEM, Philip |
| 12:00 | [46] Prospects for Indirect Dark Matter Searches with the Cherenkov Telescope Array (CTA) | CARR, John |
| 12:15 | [402] First Limits on the Dark Matter Cross-Section with the HAWC Observatory | DINGUS, Brenda |

Parallel GA11 Instruments / Prospects - Yangtze 1 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|----------------|
| 11:00 | [1312] Combination of shower-front sampling and imaging in the Tunka Advanced International Gamma-ray and Cosmic ray Astrophysics (TAIGA) project | KUNNAS, Maike |
| 11:15 | [1011] A Neural Network-based Reconstruction Algorithm for monoscopically detected Air Showers observed with the H.E.S.S. Experiment | MURACH, Thomas |

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|-------|---|------------------|
| 11:30 | [1172] A Novel Method for Detecting Extended Sources with VERITAS | CARDENZANA, Josh |
| 11:45 | [676] VERITAS Observations under Bright Moonlight | GRIFFIN, Sean |
| 12:00 | [1177] FACT - Status and Experience from Three Years Operation of the First SiPM Camera | BILAND, Adrian |
| 12:15 | [579] Performance of the MAGIC telescopes after the major upgrade | SITAREK, Julian |

Parallel GA12 EGAL - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|---|----------------------|
| 11:00 | [787] Reconciliation of the VHE γ -ray/X-ray correlation studies in Mrk 421 and break-down at high VHE fluxes | PATRICELLI, Barbara |
| 11:15 | [783] Recent follow-up observations of GRBs in the very high energy band with the MAGIC Telescopes | CAROSI, Alessandro |
| 11:30 | [728] Gamma-Ray Burst observations with Fermi | BISSALDI, Elisabetta |
| 11:45 | [485] First study of Mrk501 through the eyes of NuSTAR, VERITAS and the γ -ray LIDAR-corrected eyesight of MAGIC | NODA, Koji |
| 12:00 | [237] First results from HAWC on GRBs | LENNARZ, Dirk |
| 12:15 | [162] 4.5-year simultaneous multi-wavelength observation of Mrk 421 in ARGO-YBJ and Fermi overlap era | VERNETTO, Silvia |

Parallel SH04 - Mississippi (11:00-12:30)

| time | [id] title | presenter |
|-------|--|------------------|
| 11:00 | [81] Filament Eruptions Outside of Active Regions as Sources of Large Solar Energetic Particle Events | KAHLER, Stephen |
| 11:15 | [91] First near-relativistic electron spike event observed simultaneously by both STEREO spacecraft | KLASSEN, Andreas |
| 11:30 | [171] STEREO observations of the 7 Nov 2013 SEP event - an event inside a magnetic loop | DRESING, Nina |
| 11:45 | [373] Insights Into Particle Transport Obtained from Solar Energetic Particle Anisotropies | LESKE, Richard |
| 12:00 | [818] Constraints on Mechanisms for Longitudinal Spreading of Impulsive SEPs from Multispacecraft Observations of Scatter-free Events | WIEDENBECK, M. |
| 12:15 | [1115] Multi-spacecraft observations and transport modeling of energetic electron for a series of solar particle events in August 2010 | DRÖGE, Wolfgang |

Parallel CR13 EX EAS - World Forum Theater (14:00-16:00)

| time | [id] title | presenter |
|-------|--|--------------------|
| 14:00 | [218] Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory | DI MATTEO, Armando |
| 14:15 | [1346] Fluorescence Detection of Cosmic Ray Air Showers Between $10^{16.5}$ eV and $10^{18.5}$ eV with the Telescope Array Low Energy Extension (TALE) | ZUNDEL, Zachary |

| | | |
|-------|---|--------------------|
| 14:30 | [572] Burst Shower Events Observed by the Telescope Array Surface Detector | OKUDA, Takeshi |
| 14:45 | [1185] Cosmic Rays Energy Spectrum observed by the TALE detector using Cerenkov light | ABUZAYYAD, Tareq |
| 15:00 | [254] The spectrum of cosmic rays in the energy range 10^{16} – 10^{18} eV according to the Small Cerenkov Array in Yakutsk | PETROV, Igor |
| 15:15 | [446] Two Decades of KASCADE and KASCADE-Grande Measurements: Some Achievements | HAUNGS, Andreas |
| 15:30 | [136] Status of the first phase of the Alborz Observatory Array: Alborz-I | ABDOLLAHI, Soheila |
| 15:45 | [214] LAGO: the Latin American Giant Observatory | DASSO, Sergio |

Parallel CR14 Hadr Int - Yangtze 2 (14:00-16:00)

| time | [id] title | presenter |
|-------|--|---|
| 14:00 | [1091] Extension of the measurement of the proton-air cross section with the Pierre Auger Observatory | ULRICH, Ralf Matthias |
| 14:15 | [1095] First result of the proton-air cross section of the Telescope Array experiment. | ABBASI, Rasha |
| 14:30 | [797] Measurement of the muon content in air showers at the Pierre Auger Observatory | COLLICA, Laura |
| 14:45 | [1162] Combined analysis of accelerator and ultra-high energy cosmic ray data | BAUS, Colin |
| 15:00 | [670] Testing hadronic interaction models with the attenuation length of muons in KASCADE-Grande | ARTEAGA-VELAZQUEZ, Juan Carlos |
| 15:15 | [1233] Investigation of hadronic interaction models from ~ 10 TeV to 1 PeV with the Tibet AS-core data | CHEN, Ding |
| 15:30 | [363] Surface muons in IceTop | DEMBINSKI, Hans Peter GONZALEZ, Javier |
| 15:45 | [980] A universal description of temporal and lateral distributions of ground particles in extensive air showers | ROTH, Markus |

Parallel GA13 FUTURE - Amazon (14:00-16:00)

| time | [id] title | presenter |
|-------|--|---------------------|
| 14:00 | [465] Second large scale Monte Carlo study for the Cherenkov Telescope Array | HASSAN, Tarek |
| 14:15 | [1397] The small size telescope projects for the Cherenkov Telescope Array | MONTARULI, Teresa |
| 14:35 | [318] Status of the Medium-Sized Telescopes for the Cherenkov Telescope Array | GARCZARCZYK, Markus |
| 14:55 | [197] Status of the Cherenkov Telescope Array Large Size Telescopes | TESHIMA, Masahiro |
| 15:15 | [904] Design highlights and status of the LHAASO project | HE, Huihai |
| 15:30 | [121] MACHETE: A transit Imaging Atmospheric Cherenkov Telescope to survey half of the VHE gamma ray sky | CORTINA, Juan |
| 15:45 | [264] ROBAST: Development of a Non-sequential Ray-tracing Simulation Library and its Applications in the Cherenkov Telescope Array | OKUMURA, Akira |

Parallel NU04 - Yangtze 1 (14:00-16:00)

| time | [id] | title | presenter |
|-------|--------|--|---|
| 14:00 | [634] | Search for point-like neutrino sources over the Southern Hemisphere with the ANTARES and IceCube neutrino telescopes | BARRIOS MARTÍ, Javier |
| 14:15 | [1217] | Overview of the Third Flight of the ANITA Long-duration Balloon Payload | WISSEL, Stephanie |
| 14:30 | [637] | Neutrino point source search including cascade events with the ANTARES neutrino telescope | MICHAEL, Tino |
| 14:45 | [1121] | Updates on the neutrino and photon limits from the Pierre Auger Observatory | BLEVE, Carla |
| 15:00 | [187] | Results of neutrino point source searches with 2008-2014 IceCube data above 10 TeV | COENDERS, Stefan |
| 15:15 | [544] | A Search for Astrophysical Tau Neutrinos in Three Years of IceCube Data | WILLIAMS, Dawn |
| 15:30 | [1293] | First cosmogenic neutrino limits from two full ARA detector stations at South Pole | O'MURCHADHA, Aongus PFENDNER, Carl Gilbert |
| 15:45 | [734] | Correlation between the UHECRs measured by the Pierre Auger Observatory and Telescope Array and neutrino candidate events from IceCube | GOLUP, Geraldina |

Parallel SH05 - Mississippi (14:00-16:00)

| time | [id] | title | presenter |
|-------|--------|--|------------------------|
| 14:00 | [260] | The time structure of cosmic-ray ground-level enhancements | MORAAL, Harm |
| 14:15 | [428] | Observations and Monte Carlo Simulation of the Princess Sirindhorn Neutron Monitor at a Vertical Rigidity Cutoff of 16.8 GV | MANGEARD, Pierre-Simon |
| 14:30 | [546] | The mini neutron monitor programme | KRUGER, Helena |
| 14:45 | [21] | A New neutron monitor yield function computed for different altitudes: Application for a GLE analysis | MISHEV, Alexander |
| 15:00 | [1038] | Variations of the vertical cutoff rigidities for the world wide neutron monitor network over the period of continues monitoring of cosmic rays | DORMAN, Lev |
| 15:15 | [1277] | South Pole Neutron Monitor Sensitivity to Geomagnetic Field Variations | EVENSON, Paul |
| 15:30 | [1199] | Investigations of Forbush decreases by means of muon hodoscope | BARBASHINA, Natalia |
| 15:45 | [183] | A study of Forbush Decreases with a 3-D cosmic ray modulation model | LUO, Xi |

Poster 2 - (16:00-17:00)

High-Light Talks - World Forum Theater (17:00-18:30)

| time | [id] | title | presenter |
|-------|--------|--|-------------------|
| 17:00 | [1368] | Decaying dark matter in X-rays? | RUCHAYSKIY, Oleg |
| 17:30 | [1374] | Highlights from the Pierre Auger Observatory | GHIA, Piera Luisa |
| 18:00 | [1184] | On the connection of gamma rays from supernova remnants interacting with molecular clouds and cosmic ray ionization measured in the mm range | GABICI, Stefano |

Public lecture - (19:00-21:00)

| time | [id] | title | presenter |
|-------|--------|---------------------|---------------|
| 19:00 | | Drinks | |
| 20:00 | [1399] | Victor Hess Lecture | FALCKE, Heino |

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Invited Review Talks - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|---|------------------------------|
| 09:00 | [1383] Dark Matter Searches: Status and Prospects | FIGUEROA-FELICIANO, Enectali |
| 09:45 | [1385] Cosmic-ray acceleration and propagation | CAPRIOLI, Damiano |

Parallel CR15 Direct/Aniso - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|--|--------------------|
| 11:00 | [621] MAGNETOSPHERIC EFFECTS ON HIGH-ENERGY SOLAR PARTICLES DURING THE 2012 May 17th EVENT MEASURED WITH THE PAMELA EXPERIMENT | MARTUCCI, Matteo |
| 11:15 | [1129] Study on CRE arrival distributions with PAMELA experiment | PANICO, Beatrice |
| 11:30 | [1102] Direction and time dependent fluxes with AMS-02 | GEBAUER, Iris |
| 11:45 | [1110] Methods for cosmic ray anisotropy searches with AMS-02 | GEBAUER, Iris |
| 12:00 | [569] The large-scale anisotropy in the PAMELA experiment. | KARELIN, Alexander |
| 12:15 | [219] Small-scale anisotropies of cosmic rays from relative diffusion | MERTSCH, Philipp |

Parallel CR16 TH prop - Yangtze 2 (11:00-12:30)

| time | [id] title | presenter |
|-------|--|----------------------|
| 11:00 | [1105] Non-linear Cosmic Ray propagation close to the acceleration site | NAVA, Lara |
| 11:15 | [1124] Models for cosmic ray transport in the era of AMS-02 | KUNZ, Simon Michael |
| 11:30 | [110] Escape model for Galactic cosmic rays | GIACINTI, Gwenael |
| 11:45 | [345] Diffuse gamma-ray and neutrino emissions of the Galaxy with spatial dependent cosmic-ray transport | GRASSO, Dario |
| 12:00 | [740] COSMIC RAY TRANSPORT IN THE PRESENCE OF A CR-DRIVEN GALACTIC WIND | RECCHIA, sarah |
| 12:15 | [268] Cosmic Ray propagation in magneto-hydrodynamic turbulence | MARCOWITH, Alexandre |

Parallel GA14 GAL / Bubbles etc - Yangtze 1 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|------------------|
| 11:00 | [379] Fermi Bubbles with HAWC | AYALA, Hugo |
| 11:15 | [792] Giant Shocks in the Fermi Bubbles and the Origin of the Microwave Haze | CROCKER, Roland |
| 11:30 | [825] Evidence for a hadronic origin of the Fermi Bubbles, formed by outflows from star-forming regions | DE BOER, Wim |
| 11:45 | [323] HAWC Observation of Supernova Remnants and Pulsar Wind Nebulae | HUI, C. Michelle |

| | | |
|-------|---|------------------|
| 12:00 | [1092] The Galactic Center region imaged with MAGIC and variability searches during the G2 pericenter passage | FRUCK, Christian |
| 12:15 | [726] Towards a Detection of the Geminga Supernova Remnant with VERITAS | FLINDERS, Andrew |

Parallel GA15 Future / IN - Amazon (11:00-12:30)

| time | [id] title | presenter |
|-------|--|-------------------|
| 11:00 | [1078] Extending Fermi LAT discoveries with ComPair: Following the Energy in MeV Gamma-ray Astronomy | MCENERY, Julie |
| 11:15 | [386] PANGU: A High Resolution Gamma-Ray Space Telescope | WU, Xin |
| 11:30 | [991] Balloon-Borne Experiment for Deep Sky Survey of MeV Gamma Rays using an Electron-Tracking Compton Camera | KOMURA, Shotaro |
| 11:45 | [775] POLAR: Gamma-Ray Burst Polarimetry onboard the Chinese Spacelab | KOLE, Merlin |
| 12:00 | [1062] GAMMA-400 gamma-ray observatory | TOPCHIEV, Nikolay |
| 12:15 | [727] Gamma-Ray Observations with CALET: Exposure Map, Response Functions, and Simulated Results | CANNADY, Nicholas |

Parallel SH06 - Mississippi (11:00-12:30)

| time | [id] title | presenter |
|-------|---|------------------------|
| 11:00 | [697] Ultimate Spectrum of Solar/Stellar Cosmic Rays | STRUMINSKY, Alexei |
| 11:15 | [778] Unusual structure of sunspot cycle 24 | AHLUWALIA, H.S. |
| 11:30 | [958] AMS-02 Monthly Proton Flux: Solar Modulation Effect and Short Time Scale Phenomena | CONSOLANDI, Cristina |
| 11:45 | [952] Trajectory reconstruction in the Earth Magnetosphere using TS05 model and evaluation of geomagnetic cutoff in AMS-02 data | GRANDI, Davide |
| 12:00 | [1114] Fermi Large Area Telescope observations of high-energy gamma-ray emission from behind-the-limb solar flares | PESCE-ROLLINS, Melissa |
| 12:15 | [160] An estimation of the diffusion coefficient of galactic cosmic rays in the heliosphere near the Earth. | KOJIMA, Hiroshi |

Parallel CR17 EAS spec - World Forum Theater (14:00-16:00)

| time | [id] title | presenter |
|-------|--|--------------------|
| 14:00 | [916] Recent Results on Cosmic Ray Physics with the IceCube Observatory | KARG, Timo |
| 14:30 | [795] Latest Results on Cosmic Ray Spectrum and Composition from Three Years of IceTop and IceCube | RAWLINS, Katherine |
| 14:45 | [380] The flux of ultra-high energy cosmic rays after ten years of operation of the Pierre Auger Observatory | VALIÑO, Inés |
| 15:00 | [847] TA Spectrum Summary | IVANOV, Dmitri |
| 15:15 | [299] Interpretation of the energy spectrum observed with the Telescope Array surface detectors | KIDO, Eiji |
| 15:30 | [382] Ultra-high-energy cosmic ray flux and energy measurement with ANITA | SCHOORLEMMER, Harm |

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|-------|--|-----------------|
| 15:45 | [654] The origin of the ankle in the UHECR spectrum, and of the extragalactic protons below it | FARRAR, Glennys |
|-------|--|-----------------|

Parallel CR18 TH prop - Yangtze 2 (14:00-16:00)

| time | [id] title | presenter |
|-------|--|------------------------|
| 14:00 | [281] Cosmic-ray diffusive reacceleration: a critical look | DRURY, Luke |
| 14:15 | [398] GALPROP Code for Galactic Cosmic Ray Propagation and Associated Photon Emissions | MOSKALENKO, Igor |
| 14:30 | [545] Local interstellar cosmic-ray spectra derived from gamma-ray emissivities | STRONG, A.W. |
| 14:45 | [754] A study of the energy spectrum and composition of cosmic rays up to the highest energies | THOUDAM, Satyendra |
| 15:00 | [293] USINE propagation code and associated tools | MAURIN, David Alain |
| 15:15 | [146] Parametrization of gamma-ray production cross-sections for pp interactions in a broad proton energy range from the kinematic threshold to PeV energies | KAFEXHIU, Ervin |
| 15:30 | [200] IIIn supernovae as the sources of high energy neutrinos | ZIRAKASHVILI, Vladimir |
| 15:45 | [69] Fermi-LAT observations of the Sagittarius B complex | RUIZHI, Yang |

Parallel GA16 H.E.S.S. - Amazon (14:00-16:00)

| time | [id] title | presenter |
|-------|---|-----------------|
| 14:00 | [627] The H.E.S.S. Galactic plane survey | DEIL, Christoph |
| 14:15 | [1254] On the origin of the very-high energy gamma-ray emission of the Galactic Center region | VIANA, Aion |
| 14:30 | [596] H.E.S.S. precision measurements of the SNR RX J1713.7-3946 | EGER, Peter |
| 14:45 | [1053] H.E.S.S. Observations of the Large Magellanic Cloud | KOMIN, Nukri |
| 15:00 | [1046] Observations of the Crab Nebula with H.E.S.S. phase II | HOLLER, Markus |
| 15:15 | [1013] Pulsations from the Vela pulsar down to 30 GeV with H.E.S.S. II | GAJDUS, Michael |
| 15:30 | [938] Sgr A* Observations with H.E.S.S. II | PARSONS, Robert |
| 15:45 | [780] AGN observations with a 100 GeV threshold using H.E.S.S. II | ZABOROV, Dmitry |

Parallel NU05 - Yangtze 1 (14:00-16:00)

| time | [id] title | presenter |
|-------|--|---------------------------|
| 14:00 | [903] High-Fluence Blazars as Possible Sources of the IceCube PeV Neutrinos | KADLER, Matthias |
| 14:15 | [1208] High energy astrophysical neutrino flux characteristics for neutrino-induced cascades using IC79 and IC86-string IceCube configurations | NIEDERHAUSEN, Hans |
| 14:30 | [306] Search for an enhanced emission of neutrinos from the Southern Sky with the ANTARES telescope | FUSCO, Luigi Antonio |
| 14:45 | [344] Search for Supernova Neutrino Bursts with the Large Volume Detector | VIGORITO, Carlo Francesco |

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|-------|--|-------------------|
| 15:00 | [642] A measurement of the diffuse astrophysical muon neutrino flux using multiple years of IceCube data | RÄDEL, Leif |
| 15:15 | [490] Update of a Combined Analysis of the High-Energy Cosmic Neutrino Flux at the IceCube Detector | MOHRMANN, Lars |
| 15:30 | [349] Search for a neutrino flux from the Fermi Bubbles with the ANTARES telescope | HALLMANN, Steffen |
| 15:45 | break | |

Parallel SH07 - Mississippi (14:00-16:00)

| time | [id] title | presenter |
|-------|--|---------------------------|
| 14:00 | [97] The total solar modulation of low energy electrons in the heliosphere | NNDANGANENI, Rendani |
| 14:15 | [333] Solar modulation of galactic cosmic rays electrons and positrons over the 23rd solar minimum with the PAMELA experiment. | MUNINI, Riccardo |
| 14:30 | [528] Modulation of galactic helium in the heliosphere | NKOSI, Godfrey sibusiso |
| 14:45 | [967] The solar modulation potential derived by spacecraft measurements modified to describe GCRs at energies below neutron monitors and above | GIESELER, Jan |
| 15:00 | [1354] Role of solar wind and interplanetary magnetic field in cosmic ray modulation. | SHRIVASTAVA, Pankaj Kumar |
| 15:15 | [117] North-south anisotropy of galactic cosmic rays observed with the Global Muon Detector Network (GMDN) | MUNAKATA, Kazuoki |
| 15:30 | [131] Average features of the interplanetary shock observed with the Global Muon Detector Network (GMDN) | KOZAI, Masayoshi |
| 15:45 | [159] RELEVANCE OF LONG TERM TIME – SERIES OF ATMOSPHERIC PARAMETERS AT A MOUNTAIN OBSERVATORY TO MODELS FOR CLIMATE CHANGE | KUDELA, Karel |

Poster 3 - (16:00-17:00)

Poster 3 CR - Amazon Foyer (16:00-17:00)

| [id] | title | presenter | board |
|--------|---|---------------------------|-------|
| [1146] | Analysis of Background Cosmic Ray Rate in the 2010-2012 Period from the LAGO-Chacaltaya Detectors | SARMIENTO-CANO, Christian | 210 |
| [1302] | Night time measurement of the UV background by EUSO-Balloon | MACKOVJAK, Simon | 136 |
| [663] | UHECR acceleration at GRB internal shocks | GLOBUS, Noemie | 197 |
| [767] | The JEM-EUSO global light system laser station prototype | HUNT, Patrick | 144 |
| [661] | Ground Calibration of MAPMT and SiPM for JEM-EUSO | KARUS, Michael | 138 |
| [496] | Vela-X as main contributor to the electron and positron spectra at energy above 100 GeV | ROZZA, Davide | 192 |
| [890] | Preliminary results from the first EUSO-Balloon flight | BERTAINA, Mario | 170 |

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| [1074] Pattern recognition study for different levels of UV background in JEM-EUSO experiment | PASTIRÁK, Blahoslav | 139 |
| [1075] Photoelectron counting rate measurements in the UV camera during the EUSO-BALLOON night flight | RABANAL REINA, Julio Arturo | 140 |
| [939] Expected acceptance of the KLYPVE/K-EUSO space-based mission for the observation of ultra-high energy cosmic rays | SAKAKI, Naoto FENU, Francesco TAKIZAWA, Yoshiyuki | 142 |
| [811] Magnetic field amplification by high Alfvén Mach number shocks in partially ionized plasmas | OHIRA, Yutaka | 201 |
| [816] EUSO-Balloon mission to record extensive air showers from near space | WIENCKE, Lawrence | 165 |
| [934] On galaxies as accelerators of cosmic rays | SIBATOV, Renat | 203 |
| [570] JEM-EUSO observational capabilities for different UHE primaries. | GUZMAN, Alejandro | 154 |
| [1159] Intensity of Microwave Signals Expected from Molecular Bremsstrahlung Radiation in Extensive Air Showers | AL SAMARAI, Imen DELIGNY, Olivier | 212 |
| [1158] Constant Intensity Method in IceTop | KOIRALA, Ramesh | 211 |
| [1155] Analysis of EUSO-Balloon data with Offline | PANICO, Beatrice | 168 |
| [1098] Uncertainties on propagation parameters: impact on the interpretation of the positron fraction | GENOLINI, Yoann | 225 |
| [711] Cosmic Ray Acceleration at Supernovae Occurring in Structured Environments | GIACINTI, Gwenaél | 198 |
| [1309] The Spanish Infrared Camera onboard the EUSO-Balloon (CNES) flight on August 24, 2014. | RODRIGUEZ FRIAS, Maria | 137 |
| [925] Tests of JEM-EUSO 1st level trigger using EUSO-Balloon data | FENU, Francesco | 146 |
| [590] The Expected Angular Resolution Performance of the Tilted JEM-EUSO Instrument | MERNIK, Thomas | 147 |
| [270] Cosmic Ray propagation in molecular clouds | MARCOWITH, Alexandre | 223 |
| [396] Effect of the regular galactic magnetic field on the propagation of galactic cosmic rays in the Galaxy | MIYAKE, Shoko | 224 |
| [399] Probing Efficient Cosmic-Ray Acceleration in Young Supernovae | MARCOWITH, Alexandre | 189 |
| [836] K-EUSO: An improved optical system for KLYPVE Ultra-High Energy cosmic ray space telescope | FUMIYOSHI, Kajino | 149 |
| [1359] Cosmic rays: extragalactic and Galactic | YAKOV, Istomin | 208 |
| [429] The Calibration of EUSO Balloon using airborne light sources mounted to a Helicopter | ADAMS, James | 150 |
| [526] A production scenario of Galactic strangelets and an estimation of their possible flux in solar neighborhood | BISWAS, Sayan | 194 |
| [1016] Absolute calibration of the photon detector module of the EUSO-Balloon experiment and improvements for future missions | MORETTO, Camille | 151 |
| [1259] On the Combined Analysis of Muon Shower Size and Depth of Shower Maximum | VICHA, Jakub | 218 |

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| [1235] Simulation study on the detection of high energy electrons and gamma rays with the newly upgraded Tibet ASgamma experiment | CHEN, Ding CHEN, Xu HUANG, Jing SHIBATA, M. | 217 |
| [1237] A fresh view on cosmic rays and magnetic fields in halos of spiral | DETTMAR, Ralf-Juergen | 228 |
| [1133] Constraints on the extragalactic magnetic fields from the NVSS Faraday rotation measures | PSHIRKOV, Maxim | 178 |
| [440] Weibel instability in anisotropically inhomogeneous plasmas | TOMITA, Sara | 190 |
| [1245] Consistent description of leptonic and hadronic spectra in cosmic rays | TOMASSETTI, Nicola | 232 |
| [1008] Performance of the Spanish Infrared Camera onboard the EUSO-BALLOON (CNES) flight on August 24, 2014. | SÁNCHEZ, Jose Luis RODRIGUEZ FRIAS, Maria | 141 |
| [393] A new design for simulation and reconstruction software for the JEM-EUSO mission | PAUL, Thomas | 148 |
| [515] Cosmic ray PeVatrons: where are they? | ZIRAKASHVILI, Vladimir | 193 |
| [1225] Shower reconstruction performance of the new Tibet hybrid experiment consisting of YAC-II, Tibet-III and MD arrays | CHEN, Ding HUANG, Jing ZHAI, L.M. SHIBATA, M. KATAYOSE, Y. | 216 |
| [625] Determination of the sensitivity and the detection performances of the UV camera pixels of the EUSO-BALLOON instrument | DAGORET-CAMPAGNE, Sylvie | 153 |
| [628] Adventures in Inflation And Cosmic Microwave Background - The future of the cosmos. | JOHNSON, Rashmi | 196 |
| [577] The Angular Resolution of the JEM-EUSO Mission: an updated view | MERNIK, Thomas | 155 |
| [60] Reacceleration of electrons in supernova remnants | POHL, Martin | 176 |
| [253] Study of Water Cherenkov muon detector parameters and performances for LHAASO | HE, Huihai | 221 |
| [854] EUSO-TA, a ground precursor to JEM-EUSO telescope at the Telescope Array site | RICCI, Marco | 156 |
| [976] Cosmic ray streaming instability generated in the intergalactic medium | D'ANGELO, Marta | 204 |
| [856] Constraints on acceleration of ultra high-energy cosmic rays in Fermi gamma-ray sources | KAGAYA, Mika | 202 |
| [971] Search for significant background fluctuations in the EUSO-Balloon data | JUNG, Aera | 157 |
| [979] CLOUD TOP HEIGHT ESTIMATION FROM WRF MODEL: APPLICATION TO THE INFRARED CAMERA ONBOARD EUSO-BALLOON (CNES) | SÁNCHEZ, Jose Luis RODRIGUEZ FRIAS, Maria | 158 |
| [188] Determination of source spectra of ultrahigh energy cosmic rays | ROGOVAIA, Svetlana | 182 |
| [1212] EAS spectrum in thermal neutrons measured with PRISMA-32 | PETRUKHIN, Anatoly | 215 |
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| [1358] Measurement of the cosmic-ray nuclear composition using cherenkov detectors at Mount Chacaltaya | KATSUYA, ryoichi | 220 |
| [1216] Spectral Intensities of Antiprotons and the Lifetime of Cosmic Rays in the Galaxy | COWSIK, Ramanath | 227 |
| [560] Mini-EUSO: a pathfinder for JEM-EUSO to measure Earth's UV background from the ISS. | RICCI, Marco | 160 |

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| [639] The Simulation of cosmic rays in EUSO--Balloon: performances of the direction and energy reconstruction | FENU, Francesco | 161 |
| [226] PCR energy spectrum and composition above the knee: new approach to experimental data interpretation | PETRUKHIN, Anatoly | 185 |
| [1025] The Data Processor System of EUSO Balloon: in flight performance. | OSTERIA, Giuseppe SCOTTI, Valentina | 162 |
| [1024] Cloud Optical Depth obtained from the Infrared Camera data and the UV Flashers mounted on a helicopter flying under the EUSO-Balloon (CNES) | SÁNCHEZ, Jose Luis RODRIGUEZ FRIAS, Maria | 163 |
| [155] ELECTRON HEATING IN A RELATIVISTIC, WEIBEL-UNSTABLE PLASMA | KUMAR, Rahul | 181 |
| [1189] On the primary model to explain the relation between a rigidity-dependent spectral hardening of proton and helium spectra and a sharp knee of the | HUANG, Jing ZHANG, Ying | 226 |
| [860] EUSO-Balloon: Observation and Measurement of Tracks from a Laser in a Helicopter | ESER, Johannes | 164 |
| [1104] Cosmic ray Intensity Variations near the Heliospheric Current Sheet during Minimum of Solar Cycles 20 - 23 | ASLAM, OPM | 209 |
| [753] An Additional Component Blurring the Transition between Galactic and Extragalactic Cosmic Rays? | DELIGNY, Olivier | 200 |
| [606] Monte Carlo simulations of proton acceleration in colliding wind binaries | GRIMALDO, Emanuele | 195 |
| [744] Constraints of the entropic index of Tsallis statistics in the context of hadronic collisions at ultra high energies using measures of the depth of maximum of air showers | DE ALMEIDA, Rogerio M. | 199 |
| [885] Cloud Monitoring using Nitrogen Laser for LHAASO Experiment | SUN, Zhandong ZHANG, Yong ZHU, Fengrong ZHANG, Shoushan CAO, Zhen | 222 |
| [889] The Weather Research and Forecasting (WRF) model contribution to the atmospheric conditions estimation during the EUSO-Balloon experiment | BERTAINA, Mario | 166 |
| [1201] YAC sensitivity for measuring the light-component spectrum of primary cosmic rays at the ``knee" energies | HUANG, Jing ZHAI, L.M. CHEN, Ding SHIBATA, M. KATAYOSE, Y. | 214 |
| [1169] A CORSIKA study on the influence of muon detector thresholds on the separability of primary cosmic rays at highest energies | MUELLER, Sarah | 213 |
| [1198] The EUSO@TurLab project' | CARUSO, Rossella | 167 |
| [717] Performance of the EUSO-BALLOON optics | CATALANO, camille | 143 |
| [325] On the gravitational quantum states of helium atoms in the gravitational field of a cold neutron star | DALKAROV, OLEG | 186 |
| [1292] Implementation in OFFline of the reconstruction code of the Infrared Camera of the JEM-EUSO Space Mission. | RODRIGUEZ FRIAS, Maria | 169 |
| [328] The dominance of secondary nuclei in the cosmic radiation and the modulation of the nuclear species at the injection of the galactic | CODINO, Antonio | 187 |
| [201] Are inclined air showers from cosmic rays the most suitable to radio detection? | SABOUHI, Mohammad | 183 |

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| [144] The new horizon disclosed by the measurements of the chemical composition of the cosmic radiation above the ankle energy | CODINO, Antonio | 180 |
| [619] Equations of anomalous diffusion of cosmic rays | ILOLOV, Mamadsho | 229 |
| [205] A new method to determine air shower propagation direction based on radio signal patterns | SABOUHI, Mohammad | 184 |
| [143] The Ankle, the Knee and the Principle of Constant Spectral Indices in Cosmic Ray Physics | CODINO, Antonio | 179 |
| [897] Towards a SiPM based fluorescence camera for JEM-EUSO | HAUNGS, Andreas | 171 |
| [611] The JEM-EUSO energy and X_{\max} reconstruction performances | FENU, Francesco | 172 |
| [76] Phenomenological description of young massive star clusters | LAMANNA, Giovanni | 177 |
| [484] Spatial Evolution of Nonresonant Instabilities in the Precursors of Young Supernova Remnant Shocks | NIEMIEC, Jacek | 191 |
| [1005] Do Ultrahigh Energy Cosmic Rays Originate in our Galaxy? | EICHLER, David | 205 |
| [1286] Study of short-time X-ray variability of knots of Centaurus A jet | BOHDAN, Artem | 207 |
| [1283] The Atmospheric Science of JEM-EUSO | RODRIGUEZ FRIAS, Maria NERONOV, Andrii | 173 |
| [432] Calibration of the TA-EUSO Prototype Instrument | ADAMS, James | 152 |
| [1289] Transient luminous events registered with a ground pinhole | PONCE, Epifanio | 219 |
| [1364] A Cockcroft-Walton High-Voltage Power Supply for the EUSO | BACHOLLE, Simon | 174 |
| [359] Transport of magnetic turbulence in supernova remnants | BROSE, Robert | 188 |
| [682] Evaluation of scientific performance of JEM-EUSO mission with Space-X Dragon option | SHINOZAKI, Kenji | 175 |
| [68] PERPENDICULAR DIFFUSION OF ENERGETIC PARTICLES IN NOISY REDUCED MAGNETOHYDRODYNAMIC TURBULENCE | HUSSEIN, Mohammad | 230 |
| [1246] Fragmentation cross-sections and model uncertainties in propagation of Galactic cosmic rays | TOMASSETTI, Nicola | 233 |
| [1244] Inhomogeneous diffusion model for recent data on high-energy cosmic | TOMASSETTI, Nicola | 231 |

Poster 3 DM and NU - Amazon Foyer Terrace (16:00-17:00)

| [id] title | presenter | board |
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| [592] Search for signal emission from unresolved point sources with the ANTARES neutrino telescope | GRACIA, Rodrigo | 271 |
| [587] Searching for neutrinos from dark matter annihilations in (dwarf) galaxies and clusters with IceCube | DE WITH, Meike | 255 |
| [194] Evaluation of expected solar flare neutrino events in the IceCube | DE WASSEIGE, Gwenhaël | 279 |
| [1122] Search for Neutrino Induced Double Tracks as an Exotic Physics Signature in IceCube | KOPPER, Sandro | 273 |
| [1343] Scrutinizing the gamma-ray sky for potential dark matter subhalos | NIETO CASTANO, Daniel | 257 |
| [986] Search for point-like neutrino sources above the horizon with the ANTARES Neutrino Telescope | PERRINA, Chiara | 274 |
| [1126] First cosmogenic neutrino limits from the ARA Testbed station at South Pole | PFENDNER, Carl Gilbert | 275 |

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| [969] Follow-up of high energy neutrinos detected by the ANTARES telescope | MATHIEU, Aurore | 289 |
| [255] Search for Gravitino Dark Matter Decay with IceCube | PEPPER, James | 277 |
| [690] Hunting for dark matter subhalos among the Fermi-LAT sources with VERITAS | NIETO CASTANO, Daniel | 260 |
| [755] Search for Galactic dark matter substructures with Imaging Air Cherenkov Telescopes | HÜTTEN, Moritz | 264 |
| [730] Observation of Astrophysical Neutrinos in Four Years of IceCube Data | KOPPER, Claudio KURAHASHI NEILSON, Naoko | 278 |
| [951] XMASS 1.5, the next step of the XMASS experiment | ICHIMURA, Koichi | 254 |
| [1077] Search for magnetic monopoles with the ANTARES neutrino telescope | PAVALAS, Gabriela Emilia | 285 |
| [819] Antiquark nuggets as dark matter: Detection prospects with the ANITA3 experiment | ROTTER, Benjamin | 251 |
| [1365] Geant4 simulations of multi-neutron events observed underground. | SZABELSKI, Jacek | 253 |
| [749] Studies of intrinsic resolution of low energy electron and muon neutrino events with neutrino telescopes | HOFESTÄDT, Jannik | 272 |
| [366] Constraining Secluded Dark Matter models with the ANTARES neutrino telescope | TOENNIS, Christoph | 262 |
| [170] Limits to dark matter properties from a combined analysis of MAGIC and Fermi-LAT results | WOOD, Matthew | 258 |
| [1296] Dark Matter Annihilation and Decay Searches with the High Altitude Water Cherenkov (HAWC) Observatory | DINGUS, Brenda | 266 |
| [935] Sensitivity to the Neutrino Mass Hierarchy of KM3NeT/ORCA | JONGEN, Martijn | 280 |
| [361] Pull-validation: A resampling method to improve the usage of low-statistics datasets | LUENEMANN, Jan | 263 |
| [1279] KM3NeT/ARCA sensitivity to neutrino point sources | BARRIOS MARTÍ, Javier | 281 |
| [1175] KM3NeT/ARCA sensitivity to a diffuse flux of cosmic neutrinos | STRANSKY, Dominik | 282 |
| [1211] Indirect search for dark matter towards the centre of the earth with the ANTARES neutrino telescope | TÖNNIS, Christoph | 276 |
| [1090] Unfolding measurement of the Atmospheric Neutrino Spectrum using IceCube-79/86 | BÖRNER, Mathis | 283 |
| [636] Limits on point-like sources with different spectral indexes around the Galactic center using the ANTARES neutrino telescope | BARRIOS MARTÍ, Javier | 284 |
| [759] GAPS - Dark matter search with low-energy cosmic ray antideuterons and antiprotons | VON DOETINCHEM, Philip | 265 |
| [1219] Joint search for gravitational waves and high energy neutrinos with the VIRGO-LIGO and ANTARES detectors | VAN ELEWYCK, Veronique | 286 |
| [463] A search for extremely high energy neutrinos in 6 years of IceCube data | ISHIHARA, Aya | 287 |
| [125] A search for Dark Matter in the centre of the Earth with the IceCube neutrino detector. | KUNNEN, Jan | 261 |
| [483] Search for a diffuse cosmic neutrino flux with ANTARES using track and cascade events | HALLMANN, Steffen | 292 |
| [1063] Recent improvements in the detection of supernovae with the IceCube observatory | BAUM, Volker | 290 |

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| [1064] A Search for Dark Matter from Dwarf Galaxies using VERITAS | ZITZER, Benjamin | 252 |
| [334] Medium-energy (few TeV - 100 TeV) neutrino point source searches in the Southern sky with IceCube | ALTMANN, David | 288 |
| [1361] Search for gamma-ray line signatures with H.E.S.S. | KIEFFER, Matthieu | 259 |
| [924] Search for neutrino emission from extended sources with the IceCube detector | PINAT, Elisa | 291 |
| [1002] All-flavor searches for dark matter with the IceCube neutrino observatory | WIEBE, Klaus | 256 |

Poster 3 GA - Mississippi Foyer (16:00-17:00)

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| [1087] Symmetric variability of gamma-ray emitting blazars | KENJI, Yoshida | 70 |
| [881] Limits on the isotropic diffuse gamma-rays at ultra high energies measured with KASCADE | FENG, Zhaoyang KANG, Donghwa HAUNGS, Andreas | 79 |
| [1141] Gamma-ray halo around the M31 galaxy as seen by the Fermi LAT | PSHIRKOV, Maxim | 51 |
| [708] Observational Characteristics of the Final Stages of Evaporating Primordial Black Holes | MACGIBBON, JANE | 63 |
| [867] Prospects for Measuring the Isotropic Diffuse Gamma-Ray Emission in HAWC above 1 TeV | PRETZ, John | 78 |
| [1324] Recent developments for testing of Cherenkov Telescope Array mirrors and actuators in Tuebingen | PUEHLHOFER, Gerd DICK, Juergen | 97 |
| [631] Improving H.E.S.S. cosmic-ray background rejection by means of a new Gamma-Ray Air Shower Parametrisation (GRASP) | BRUN, Francois | 75 |
| [1263] The X-Ray Counterpart of the Gamma-Ray Sky | BOTTACINI, Eugenio ORLANDO, Elena | 53 |
| [763] Deconvolution of very high-energy-gamma-ray image with the Richardson-Lucy algorithm | JUNG-RICHARDT, Ira | 59 |
| [665] Observer Access to the Cherenkov Telescope Array Gamma-Ray Observatory | DEIL, Christoph | 55 |
| [701] Detecting extended gamma-ray emission with the next generation Cherenkov telescopes | ROVERO, Adrian | 64 |
| [1088] Enhanced HESS-II low energies performance thanks to the focus system | TRICHARD, Cyril | 98 |
| [1032] A Monte Carlo template-based analysis for very high definition imaging atmospheric Cherenkov telescopes as applied to the VERITAS | FLEISCHHACK, Henrike | 81 |
| [1167] Cosmic Ray Diffusion in the W44 Region with the MAGIC Telescopes | COLIN, Pierre ZANIN, Roberta | 80 |
| [957] HARPO, TPC as a gamma telescope and polarimeter: First measurement in a polarised photon beam between 1.7 and 74 MeV | DELBART, Alain | 112 |
| [1300] A 3-Meter Atmospheric Cherenkov Telescope as a Test Bench for Very High Energy Gamma-Ray Astrophysics Projects | YOSHIKOSHI, Takanori | 52 |
| [978] HAP-Fr, a pipeline of data analysis for the HESS-II experiment | KHELIFI, Bruno | 73 |
| [770] On the Spectral Shape of Gamma-ray Pulsars Above the Break Energy | BOCHENEK, Christopher | 87 |

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| [692] New method for Gamma/Hadron separation in HAWC using neural networks | CAPISTRÁN, Tomás TORRES AGUILAR, Ibrahim Daniel | 93 |
| [973] Evidence for a spectral turnover in the broadband gamma-ray emission from SNR Puppis A revealed by H.E.S.S. observations | OYA, Igor | 72 |
| [719] Feasibility of VHE gamma ray detection by an array of Imaging Atmospheric Cherenkov Telescopes using the | LÓPEZ MOYA, marcos | 94 |
| [1056] The potential of the HAWC Observatory to observe violations of Lorentz Invariance | NELLEN, Lukas | 85 |
| [695] Gammapy: An open-source Python package for gamma-ray astronomy | DONATH, Axel DEIL, Christoph | 69 |
| [1058] Studies towards an understanding of global array pointing for the Cherenkov Telescope Array | ZIEGLER, Alexander | 120 |
| [874] Testing a novel self-assembling data paradigm in the context of IACT data | WEINSTEIN, Amanda | 111 |
| [862] Development of the photomultiplier tube readout system for the first Large-Sized Telescope of the Cherenkov Telescope Array | MASUDA, Shu | 108 |
| [1073] Raster Scanning the Crab Nebula to Produce an Extended VHE Calibration Source | BIRD, Ralph | 56 |
| [1070] Observing the Cosmic Ray Moon Shadow with VERITAS | BIRD, Ralph | 57 |
| [1071] The H.E.S.S. II GRB Observation Program | PARSONS, Robert | 58 |
| [710] Sensitivity of HAWC to Primordial Black Hole Bursts | MACGIBBON, JANE | 71 |
| [666] The H.E.S.S. Galactic plane survey poster | DONATH, Axel DEIL, Christoph | 54 |
| [789] High-energy follow-up studies of gravitational wave transient events | PATRICELLI, Barbara | 83 |
| [652] Imaging Camera and Hardware of TAIGA-IACT Project | YASHIN, Igor | 103 |
| [1341] The Multi-Mission Maximum Likelihood framework | LAUER, Robert | 101 |
| [739] The Calibration System of the HAWC Gamma-Ray Observatory | SALESA GREUS, Francisco | 104 |
| [931] Xeff analysis method optimization to enhance IACTs performances | TRICHARD, Cyril | 61 |
| [646] H.E.S.S. data analysis with open source science tools | DEIL, Christoph | 89 |
| [1035] Blazars identification among the unidentified sources of the 3FGL gamma-ray catalog | KHELIFI, Bruno | 74 |
| [774] Search for Pulsed Emission in Archival VERITAS Data | ARCHER, Avery | 86 |
| [1210] Extending Fermi LAT discoveries: Compton-Pair Production Space Telescope (ComPair) for MeV Gamma-ray Astronomy | MOISEEV, Alexander | 102 |
| [1135] FACT-Tools: Streamed Real-Time Data Analysis | BUß, Jens | 65 |
| [1338] Time Synchronization with White Rabbit - Experience from Tunka-HiSCORE | WISCHNEWSKI, Ralf | 99 |
| [773] Development of an optical system for the SST-1M telescope of the Cherenkov Telescope Array observatory | OSTROWSKI, Micha | 114 |
| [674] Developments of a new mirror technology proposed for the Cherenkov Telescope Array | DYRDA, Michal | 113 |
| [688] The search for short-term flares in 10 years of VHE Crab Nebula observations with the Whipple 10m Telescope | O'FAOLAIN DE BHROITHE, Anna | 91 |

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| [616] Performance of the VERITAS experiment | PARK, nahee | 90 |
| [1275] FIPSER a novel low cost and high performance readout for astrophysics | OTTE, Nepomuk | 115 |
| [1319] FlashCam: a fully-digital camera for the medium-sized telescopes of the Cherenkov Telescope Array | PUEHLHOFER, Gerd | 117 |
| [1134] Time-resolved multiwavelength observations of the blazar VER J0521+211 from radio to gamma-ray energies | PROKOPH, Heike | 66 |
| [933] Long term variability of the blazar PKS 2155-304 | CHEVALIER, Jill | 60 |
| [1050] Improving the Fermi LAT Source Catalog | BALLET, Jean | 84 |
| [1179] Software design for the control system for "Small-Size Telescopes with single-mirror" of the Cherenkov Telescope Array | PORCELLI, Alessio | 116 |
| [265] Prototyping of Hexagonal Light Concentrators for the Large-Sized Telescopes of the Cherenkov Telescope Array | OKUMURA, Akira | 95 |
| [673] Construction of a Medium-Sized Schwarzschild-Couder Telescope for the Cherenkov Telescope Array: Implementation of the Cherenkov-Camera Data Acquisition System | SANTANDER, Marcos | 118 |
| [672] All-sky sensitivity of HAWC to Gamma-Ray Bursts | WOOD, Joshua | 68 |
| [900] Performance of the SST-1M telescope of the Cherenkov Telescope Array observatory | PORCELLI, Alessio | 105 |
| [844] Long-term VERITAS monitoring of LS I 61 +303 in conjunction with X-ray, and GeV observation campaigns | KIEDA, David | 76 |
| [962] The Mirror Alignment and Control System for CT5 of the H.E.S.S. experiment | GOTTSCHALL, Daniel | 107 |
| [963] HESS J1641-463, a very hard spectrum TeV gamma-ray source in the Galactic plane | OYA, Igor | 77 |
| [1057] Development of Slow Control Boards for the Large Size Telescopes of the Cherenkov Telescope Array | TESHIMA, Masahiro | 110 |
| [788] Search for gamma-ray point sources with KASCADE | KANG, Donghwa | 82 |
| [1183] Statistical biases of spectral analysis with the ON-OFF likelihood statistic | JOUVIN, Lea | 88 |
| [1153] DAQ system of Tunka –HiSCORE prototype array | KUZMICHEV, Leonid | 106 |
| [941] A method to filter out high rate noises in air shower reconstruction for the LHAASO-WCDA project | ZHANG, Shoushan | 119 |
| [928] H.E.S.S. II Data Analysis with ImPACT | PARSONS, Robert | 62 |
| [614] AP Librae: The extended jet as the source of VHE emission? | ZACHARIAS, Michael | 67 |
| [1101] A Medium Sized Schwarzschild-Couder Cherenkov Telescope Design Proposed for the Cherenkov Telescope Array | HUMENSKY, T.Brian | 109 |
| [684] Construction of a medium-sized Schwarzschild-Couder telescope as a candidate for the Cherenkov Telescope Array: development of the optical alignment system | NIETO CASTANO, Daniel | 121 |
| [1003] Development of a balloon-style pressure vessel for GRAINE balloon-borne experiment in 2015 | ROKUJO, Hiroki | 100 |
| [1369] Searching for Very High Energy Emission from Pulsars Using the High Altitude Water Cherenkov (HAWC) Observatory | ALVAREZ, César | 92 |

Poster 3 SH - Theater Foyer (16:00-17:00)

| [id] title | presenter | board |
|--|------------------------------|-------|
| [1322] Exceptionally strong variation of galactic cosmic ray intensity at solar rotation period after the maximum of solar cycle 24 | GIL, Agnieszka | 18 |
| [593] A new approach to modeling the effects of the wavy current sheet on cosmic rays in the heliosphere | STRAUSS, Du Toit | 37 |
| [1301] Experimental and Theoretical study of the long period | ALANIA, Michael | 44 |
| [157] The modulation of galactic protons in the inner heliosphere during the recent unusual solar minimum period | FERREIRA, Stefan | 27 |
| [158] Time-dependent modulation of galactic cosmic rays | FERREIRA, Stefan | 28 |
| [387] Forbush decreases detected by the Muonca muon telescopes on 13 September and 22 December 2014 | FAUTH, Anderson | 6 |
| [551] Results of the recalculation of the cosmic-ray modulation parameters | KRUGER, Helena | 35 |
| [1347] Study of ground level electric field response to Forbush decreases | KOBYLINSKI, Zbigniew | 19 |
| [114] Time-dependent modeling of the solar modulation of cosmic rays | ENGELBRECHT, Nicholas Eugene | 26 |
| [437] GCR intensity during the sunspot maximum phase and the inversion of the heliospheric magnetic field | KRAINEV, Mikhail | 32 |
| [22] 11 Year variation in third harmonics of cosmic ray intensity on quiet days | RICHHARIA, MAHENDRA KUMAR | 22 |
| [23] Effect of solar Poloidal magnetic field reversal on tri-diurnal anisotropy of cosmic ray intensity on quiet days. | RICHHARIA, Mahendra Kumar | 23 |
| [1059] FEATURES OF THE INTERPLANETARY MAGNETIC FIELD TURBULENCES IN DIFFERENT EPOCHS OF SOLAR ACTIVITY | SILUSZYK, Marek | 12 |
| [1195] Galactic Cosmic Ray Modulation Near the Heliospheric Current Sheet | THOMAS, Simon | 43 |
| [1111] Study of the GCR-effectiveness and Geo-effectiveness of ICMEs of 2011 - 2014 | ASLAM, OPM | 13 |
| [9] Study of the Forbush Decrease Event of October- November 2003 observed with High Cutoff Rigidity Muon Detector at Riyadh, Saudi Arabia | MAGHRABI, Abdullrahman | 1 |
| [408] Long-term scaler and histogram analysis | DASSO, Sergio | 31 |
| [586] Spectral index of the recurrent variation of the galactic cosmic rays during the Solar Cycle No. 24. | GIL, Agnieszka | 8 |
| [776] North-south excess of hemispheric sunspot numbers and cosmic ray modulation | AHLUWALIA, H.S, | 39 |
| [1231] 27-day Variation of the Three Dimensional Solar Anisotropy of Galactic Cosmic Ray: 1965-2014. | MODZELEWSKA, Renata | 14 |
| [562] A Time-dependent and Anisotropic Force Field Model For Galactic Cosmic Ray Flux | IHONGO, GRACE | 36 |
| [439] On the mechanisms of the quasi-biennial oscillations in the GCR intensity | KRAINEV, Mikhail | 33 |
| [1357] Anomalous annual variation of cosmic rays in 24th solar cycle | BALABIN, Yury | 20 |
| [99] The effects of particle drifts on the modulation of galactic electrons in the global heliosphere | NNDANGANENI, Rendani | 25 |

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| [98] Modelling of the solar modulation of Jovian electrons in the inner | NNDANGANENI, Rendani | 24 |
| [1006] Coronal holes in the long-term cosmic rays modulation | DORMAN, Lev | 41 |
| [90] Flux of solar energetic particles in the distant past: Data from lunar rocks | POLUIANOV, Stepan | 47 |
| [92] Use of cosmogenic radionuclides ¹⁴ C and ¹⁰ Be to verify empirically reconstructed cosmic ray modulation since 1616 | ASVESTARI, Eleanna | 48 |
| [1047] The chemical composition of galactic cosmic rays during solar minimum of solar cycle 20/21 - Helios E6 results | MARQUARDT, Johannes | 42 |
| [163] Rigidity dependence of the intensity variations of galactic cosmic rays | KOJIMA, Hiroshi | 29 |
| [39] A new method for determining atmospheric pressure coefficient by using fast Fourier transform for muons in the GRAPES-3 experiment | MOHANTY, PRAVATA | 5 |
| [38] Forbush decrease precursors observed using GRAPES-3 | KOLLAMPARAMBIL PAUL, ARUNBABU | 4 |
| [1281] Study of CME and Solar Flare parameters and their relations to Forbush decreases during 24 solar cycle. | SEREDYN, Tomasz | 16 |
| [782] Cosmic ray hard sphere scattering in solar wind and heliospheric modulation parameters: 1963-2013 | YGBUHAY, Roger | 40 |
| [392] NASA galactic cosmic radiation environment model: Badhwar-O'Neill (2014) | GOLGE, Serkan | 30 |
| [861] Analysis of the solar and interplanetary phenomena causing Forbush decreases in cosmic rays. | MUSALEM, Omar | 10 |
| [1044] A simple model of Forbush decreases caused by sheathless magnetic clouds | HEBER, Bernd | 11 |
| [37] Relation of Forbush decrease with interplanetary magnetic fields. | KOLLAMPARAMBIL PAUL, ARUNBABU | 3 |
| [36] Measurements of solar diurnal anisotropy with GRAPES-3 experiment | MOHANTY, PRAVATA KUMAR | 2 |
| [479] Forbush-decrease in a Magnetic Cloud | PETUKHOV, Ivan | 7 |
| [643] Results from the observations of Forbush decreases by the Extreme Energy Events experiment | GNESI, Ivan | 9 |
| [1362] Spectral coherence analysis between the cosmic ray anisotropy and the interplanetary medium | DAL LAGO, Alisson | 45 |
| [475] Three-dimensional MHD simulation of the solar wind from the solar surface to 400 solar radius using REPPU (REProduce Plasma Universe) code | DEN, Mitsue | 34 |
| [1249] THE ROLE OF DRIFT ON DIURNAL ANISOTROPY OF GALACTIC COSMIC RAYS IN DIFFERENT PERIODS OF SOLAR MAGNETIC CYCLE | ALANIA, Michael MODZELEWSKA, Renata SILUSZYK, Marek | 15 |
| [648] RANDOM BALLISTIC INTERPRETATION OF THE NONLINEAR GUIDING CENTER THEORY OF PERPENDICULAR TRANSPORT | RUFFOLO, David | 38 |
| [1295] Turbulence-based model of the Forbush decrease | ALANIA, Michael | 17 |

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High-Light Talks - World Forum Theater (17:00-18:30)

| time | [id] title | presenter |
|-------|---|------------------|
| 17:00 | [228] Connections between cosmic-ray physics, gamma-ray data analysis and Dark Matter detection | GAGGERO, Daniele |
| 17:30 | [703] Highlights from ANTARES, and prospects for KM3NeT | JAMES, Clancy |

18:00 [1375] Summary of Results from the telescope Array Experiment

JUI, Charles

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Wednesday 05 August 2015

Invited Review Talks - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|---|-------------------|
| 09:00 | [1387] Possible physics scenarios behind cosmic-ray anomalies | SERPICO, Pasquale |
| 09:45 | [1381] Neutrino properties, mass hierarchy and CP-violation | SMIRNOV, Alexei |

Parallel CR19 Future IN - Amazon (11:00-12:30)

| time | [id] title | presenter |
|-------|---|----------------------|
| 11:00 | [1308] Upgrade of the Pierre Auger Observatory | ENGEL, Ralph Richard |
| 11:15 | [1022] Telescope Array extension: TAX4 | SAGAWA, Hiroyuki |
| 11:30 | [1352] Cosmic Ray Science Potential for an Extended Surface array at the IceCube Observatory | SECKEL, David |
| 11:45 | [735] JEM-EUSO Science | OLINTO, Angela V |
| 12:00 | [694] The JEM-EUSO Program | SANTANGELO, Andrea |
| 12:15 | [738] First results from a prototype for the Fluorescence detector Array of Single-pixel Telescopes | FUJII, Toshihiro |

Parallel CR20 TH accel - Yangtze 2 (11:00-12:30)

| time | [id] title | presenter |
|-------|--|------------------------|
| 11:00 | [123] Diffusive cosmic ray acceleration at relativistic shock waves | SCHLICKEISER, Reinhard |
| 11:15 | [72] Non-relativistic Perpendicular Shocks in Young Supernova Remnants | POHL, Martin |
| 11:30 | [404] Production of Secondary Cosmic Rays in Supernova Remnants | KSENOFONTOV, Leonid |
| 11:45 | [316] On Cosmic-Ray Production Efficiency at Realistic Supernova Remnant Shocks | SHIMODA, Jiro |
| 12:00 | [472] Stochastic Acceleration by Turbulence in the Fermi Bubbles | MERTSCH, Philipp |
| 12:15 | [706] The Onset of Cosmic Ray Acceleration at Supernovae: From Shock Breakout to the First Decades | GIACINTI, Gwenael |

Parallel GA17 GAL / SNRs - Yangtze 1 (11:00-12:30)

| time | [id] title | presenter |
|-------|---|-----------------|
| 11:00 | [1311] Revealing Cosmic-Ray acceleration in the SNR W51C | JOGLER, Tobias |
| 11:15 | [945] Evidence of two VHE gamma-ray sources in the W51 region | TRICHARD, Cyril |
| 11:30 | [612] Study of high-energy particle acceleration in Tycho with gamma-ray observations | PARK, nahee |
| 11:45 | [400] The VERITAS Survey of the Cygnus Region of the Galaxy | POPKOW, Alexis |
| 12:00 | [1136] The Fermi-LAT and H.E.S.S. views of the supernova remnant W49B | BRUN, Francois |

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|-------|--|---------------|
| 12:15 | [1107] Study of the Very High Energy Emission from the Galactic Supernova Remnant Population with H.E.S.S. | HAHN, Joachim |
|-------|--|---------------|

Parallel GA18 EGAL - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|---|------------------------|
| 11:00 | [375] Gamma-ray cosmology and fundamental physics with TeV blazars: results from 20 years of observations | BITEAU, Jonathan |
| 11:15 | [309] MAGIC observations of the February 2014 flare of 1ES 1011+496 and measurement of the Extragalactic Background Light density | BANGALE, Priyadarshini |
| 11:30 | [641] Update on the determination of the extragalactic background light spectral energy distribution with H.E.S.S. | LORENTZ, Matthias |
| 11:45 | [832] VERITAS Search for Magnetically Broadened Emission From Blazars | PUESCHEL, Elisa Kay |
| 12:00 | [239] Results from monitoring TeV blazars with HAWC | LAUER, Robert |
| 12:15 | [149] FACT - TeV Flare Alerts Triggering Multi-Wavelength Observations | DORNER, Daniela |

Parallel SH08 - Mississippi (11:00-12:30)

| time | [id] title | presenter |
|-------|--|---------------------|
| 11:00 | [135] Response of atmospheric ground level temperatures to changes in the total solar irradiance | ERLYKIN, Anatoly |
| 11:15 | [222] Effects of dispersive wave modes on charged particles transport | SCHREINER, Cedric |
| 11:30 | [1080] Simulation of energetic particle interaction with shock waves in a focused transport model | KARTAVYKH, Yulia |
| 11:45 | [1128] New Method for Determination of Diffusion Coefficients in Turbulent Plasmas | IVASCENKO, Alex |
| 12:00 | [1139] Particle acceleration and foreshock evolution in heliospheric shocks from self-consistent Monte Carlo simulations | AFANASIEV, Alexandr |
| 12:15 | [1182] Helical Ion Beams from Fluctuating Shock Structures | GANSE, Urs |

Parallel CR21 Future IN - Amazon (14:00-16:00)

| time | [id] title | presenter |
|-------|---|---------------------|
| 14:00 | [137] Mid-Decade Outlook for Balloon-Borne Particle Astrophysics Research | JONES, William |
| 14:15 | [1287] The Heavy Nuclei eXplorer | MITCHELL, John W. |
| 14:30 | [1290] Prospects for High Energy Light Isotope Measurements on Balloons | WAKELY, Scott |
| 14:45 | [190] The High Energy Particle Detector on board the CSES China Seismo-Electromagnetic satellite | SPARVOLI, Roberta |
| 15:00 | [430] The CALorimetric Electron Telescope (CALET): a High-Energy Astroparticle Physics Observatory on the International Space Station | TORII, Shoji |
| 15:15 | [1165] Ultra high energy cosmic ray detector KLYPVE on board the Russian Segment of the ISS | PANASYUK, Mikhail |
| 15:30 | [725] The EUSO-BALLOON mission | VON BALLMOOS, Peter |

| | | |
|-------|--|--------------|
| 15:45 | [339] Cosmic Ray Energetics And Mass: from balloons to the ISS | SEO, Eun Suk |
|-------|--|--------------|

Parallel CR22 TH - Yangtze 2 (14:00-16:00)

| time | [id] title | presenter |
|-------|---|-------------------|
| 14:00 | [530] Cosmic ray self-confinement close to extragalactic sources | BLASI, Pasquale |
| 14:15 | [713] Are Cosmic Rays still a valuable probe of Lorentz Invariance Violations in the Auger era? | BONCIOLI, denise |
| 14:30 | [1131] On the impact of the Local Bubble on cosmic ray electron and positron spectra and anisotropy | GEBAUER, Iris |
| 14:45 | [1207] Multi-wavelength constraints on cosmic-ray leptons in the Galaxy | ORLANDO, Elena |
| 15:00 | [126] The millisecond pulsar contribution to the rising positron fraction | VENTER, Christo |
| 15:15 | [321] Cosmic ray penetration in diffuse clouds | MORLINO, Giovanni |
| 15:30 | [700] CRIME - cosmic ray interactions in molecular environments | KRAUSE, Julian |
| 15:45 | [913] On the cosmic ray spectrum from type II Supernovae expanding in their red giant presupernova wind | CARDILLO, Martina |

Parallel GA19 Fermi - World Forum Theater (14:00-16:00)

| time | [id] title | presenter |
|-------|--|--------------------------|
| 14:00 | [407] Tracing the propagation of cosmic rays in the Milky Way halo with Fermi-LAT observations of high- and intermediate-velocity clouds | TIBALDO, Luigi |
| 14:15 | [364] New view of the Vela pulsar from Fermi LAT | PIVATO, Giovanna |
| 14:30 | [258] The First Fermi-LAT SNR Catalog: SNR and Cosmic Ray Implications | DE PALMA, Francesco |
| 14:45 | [1019] Phase resolved spectral analysis of 25 millisecond gamma-ray pulsars | RENAULT-TINACCI, Nicolas |
| 15:00 | [1236] The 3rd Catalog of AGN Detected by the Fermi LAT | GASPARRINI, Dario |
| 15:15 | [1240] Fermi Reveals New Light on Novae in Gamma rays | CHEUNG, Chi |
| 15:30 | [988] A Fermi-LAT view of the sky below 100 MeV | DESGARDIN, Thibaut |
| 15:45 | [1224] Gamma-ray Flares from the Gravitationally Lensed Blazar B0218+357 | BUSON, Sara |

Parallel NU06 - Yangtze 1 (14:00-16:00)

| time | [id] title | presenter |
|-------|--|-----------------|
| 14:00 | [1027] Search for PeV-EeV Tau Neutrinos and Optical Transients with Ashra-1 | SASAKI, Makoto |
| 14:15 | [413] Atmospheric Neutrino Oscillations at Super-Kamiokande | WENDELL, Roger |
| 14:30 | [830] Solar neutrino results from Super Kamiokande | NAKANO, Yuuki |
| 14:45 | [588] Transient neutrino emission from the Galactic center studied by ANTARES | COLEIRO, Alexis |
| 15:00 | [383] New limit for mildly relativistic magnetic monopoles obtained with IceCube | OBERTACKE, Anna |
| 15:15 | [70] Measurements of the Atmospheric Neutrino Flux at Super-Kamiokande | RICHARD, Euan |

| | | |
|-------|--|------------------|
| 15:30 | [173] Time-dependent search of neutrino emission from X-ray binaries with the ANTARES telescopes | DORNIC, Damien |
| 15:45 | [1112] Search for sterile neutrinos with the IceCube Neutrino Observatory | WALLRAFF, Marius |

Parallel SH09 - Mississippi (14:00-16:00)

| time | [id] title | presenter |
|-------|--|--|
| 14:00 | [1152] An ab initio approach to solar-cycle dependent cosmic-ray modulation | BURGER, Renier |
| 14:15 | [263] LATITUDE SURVEY INVESTIGATION OF GALACTIC COSMIC RAY SOLAR MODULATION DURING 1994–2007 | RUFFOLO, David |
| 14:30 | [724] Heliospheric modulation and periodicities of galactic cosmic rays during 21-24 solar cycles | CHOWDHURY, PARTHA KUDELA, Karel MOON, Y.-J |
| 14:45 | [198] On the causes and mechanisms of the long-term variations in the GCR characteristics | KRAINEV, Mikhail |
| 15:00 | [275] Cosmic ray modulation as a possible diagnostic for the low-wavenumber behaviour of turbulence in the heliospheric magnetic field | ENGELBRECHT, Nicholas Eugene |
| 15:15 | [54] Modelling the effects of scattering parameters on particle drifts in the solar modulation of galactic cosmic rays. | NGOBENI, Donald |
| 15:30 | [471] Cosmic Rays Propagation with HelMod: Difference between forward-in-time and backward-in-time approaches | DELLA TORRE, Stefano |
| 15:45 | [865] The AD 775 cosmic ray event shown in Beryllium-10 data from Antarctic Dome Fuji ice core | MIYAKE, Fusa |

Poster 3 - (16:00-17:00)

High-Light Talks - World Forum Theater (17:00-18:30)

| time | [id] title | presenter |
|-------|---|----------------|
| 17:00 | [1116] Recent Observations of Atmospheric Neutrinos with the IceCube Observatory | DESIATI, Paolo |
| 17:30 | [866] Highlights from the High Altitude Water Cherenkov Observatory | PRETZ, John |
| 18:00 | [103] Assessment of F200 fluence for major solar energetic particle events on the multi-millennial time scale | USOSKIN, Ilya |

Conference diner - (20:00-23:45)

Thursday 06 August 2015

Rapporteur Talks - World Forum Theater (09:00-10:30)

| time | [id] title | presenter |
|-------|---|----------------|
| 09:00 | [1388] Solar and heliospheric phenomena | HEBER, Bernd |
| 09:45 | [1394] Cosmic rays: direct measurements | MAESTRO, Paolo |

Rapporteur Talks - World Forum Theater (11:00-12:30)

| time | [id] title | presenter |
|-------|---|----------------|
| 11:00 | [1393] Cosmic rays: air showers from low to high energies | VERZI, Valerio |
| 11:45 | [1390] Neutrino Astronomy | ISHIHARA, Aya |

Rapporteur Talks - World Forum Theater (14:00-15:30)

| time | [id] title | presenter |
|-------|---|---------------------------|
| 14:00 | [1396] Space-based gamma-ray astronomy | BUEHLER, Rolf |
| 14:45 | [1389] Ground-based gamma-ray astronomy | LEMOINE-GOUMARD, Marianne |

Rapporteur Talks - World Forum Theater (16:00-16:45)

| time | [id] title | presenter |
|-------|------------------------------|----------------|
| 16:00 | [1392] Dark matter phenomena | CIRELLI, Marco |

Closing - World Forum Theater (16:45-17:30)

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