

Formation and evolution of QSOs: clues from the GOODS and UVES programs - the inverse-hierarchical baryon collapse.

S. Cristiani[□]

INAF – OAT

the GOODS team

V. D'Odorico

SISSA

G. Granato

INAF - Osservatorio Astronomico di Pandora

A. Romano

L. Danese

SISSA

We present new observational results on the metallicity of quasar host galaxies and on the luminosity function of quasars indicating that at high redshift: a) the star formation in the more massive dark matter halos takes place in short time scales with very large star formation rates b) the formation or the feeding of massive black holes is strongly suppressed in relatively low-mass dark matter halos. The emerging scenario points toward an inverse-hierarchical baryon collapse.

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[□]Speaker

