

The Dynamics of the Sagittarius Dwarf Galaxy

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We will present the result of a large VLT/FLAMES kinematical survey of the core dynamics of the local group dwarf galaxy Sagittarius (SGR). The FLAMES observing program aimed at collecting a large sample of high-resolution spectra of different stellar population of SGR in order to study their internal dynamics and obtain the Mass and Mass to Light ratio (M/L) of SGR. Our direct measure of the central velocity dispersion give a much lower value compared with existing ones which translates in an M/L of the order 10. Moreover, we detected also a core rotational component. Implications of this findings will be properly discussed.

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