

The relation between supermassive black holes and their host galaxies (INVITED)

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After a brief overview on mass measurements and their uncertainties, I will review the relations between black hole masses and the properties of their host galaxies, focussing on their physical origin and on the implications for the models of black hole and galaxy formation. I will then present the evidences for a redshift evolution of the local relations, discussing the reliability of existing measurements and future prospects.

Affiliation

Author: MARCONI , Alessandro (Univ. Firenze)

Presenter: MARCONI , Alessandro (Univ. Firenze)

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