

# Black Hole Masses from Reverberation and Scaling Relationships

*Wednesday 10 October 2018 15:00 (15 minutes)*

Reverberation mapping and scaling relationships based on reverberation results provide the underpinning of all estimates of quasar black hole masses. When applying these scaling relationships, there are potential pitfalls that are widely unappreciated and can result in biases that can, in turn, lead to systematic errors in the black hole mass function and therefore conclusions about the evolution of black holes over time. I will discuss potential sources of biases and show how they can be mitigated.

## **Affiliation**

Universita' di Padova

**Authors:** DALLA BONTA', Elena (Univ. Padova); Prof. PETERSON, Bradley (STScI)

**Presenter:** DALLA BONTA', Elena (Univ. Padova)

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