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## **Mauro Dadina: Ultra-fast outflows in RQ and RL AGN**

*Wednesday, 1 March 2023 15:20 (15 minutes)*

In the last twenty years, the study of ultra-fast outflows (UFOs) in AGNs has been recognized as a fundamental topic to be tackled in order to understand how the SMBH shaped the evolution of their host galaxies across cosmic times. Here I will focus on some basic aspects of our current knowledge of the astrophysics of the phenomenon with a comparison of what we learned from RQ and from RL objects. Finally I'll present some new theoretical results that indicate how the exploitation of new high resolution X-ray telescopes capability may help us in determining the launching mechanism of such winds.