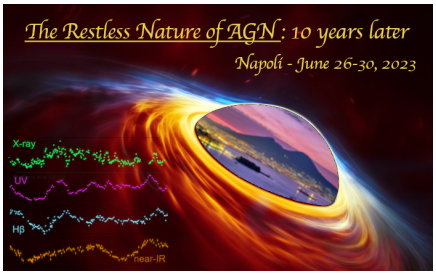

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Review: Reverberation Mapping of Emission Lines in AGNs: Last Decade and Future Prospects

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Reverberation Mapping (RM) is a powerful technique for studying the geometry and kinematics of the broad-line regions in AGNs, as well as measuring the masses of supermassive black holes. This is achieved by observing the delayed response of broad emission lines with respect to the varying continuum. Significant progress has been made over the past decade, with the accumulation of RM data in different emission lines of various types of AGNs, as well as the development of more sophisticated analysis methods. In this talk, I will try to review the past 10 years of RM of emission lines in AGNs and discuss future prospects.

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