

Catching supermassive black holes with Rubin-LSST: Towards novel insights and discoveries into AGN science

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Blazars science in the LSST era

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Blazars are the most persistently bright objects in the observable Universe characterized by extreme variability across the electromagnetic spectrum. Their multimessenger emission manifests in the launching of relativistic jets and the acceleration of extremely energetic particles all of which are still poorly understood. The coming of Vera C. Rubin's LSST promises to revolutionize our understanding of blazars by providing the necessary data to explore the multiwavelength variability of the jets on diverse timescales. I will discuss bread-and-butter as well as exotic blazar science that will be possible with the unique capabilities of the LSST.

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