Workshop on Cosmic Indicators of Dark Matter 2024



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Caustic crossings as a new probe of dark matter

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Caustic crossings are highly magnified individual stars observed in high magnification regions of massive galaxy clusters. The first discovery was reported in 2018, and the number of detections is rapidly increasing thanks to James Webb Space Telescope. In this talk I will discuss how we can use caustic crossings for probing nature of dark matter.

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