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Constrain the Dark Matter physics through weak lensing observation

Thursday, 5 March 2026 10:30 (20 minutes)

Dark matter non-gravitational interactions can modify the evolution of cosmological perturbations in the early Universe, leaving observable imprints on large-scale structure. In this talk, I will introduce several studies that use weak-lensing measurements of the matter distribution—probing scales around k~1h/Mpc—to constrain dark matter interactions.

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