PHYSICS COLLOQUIA 2022/2023

MAY 11 2023

Suyu Sherry | Max Planck Institute for Astrophysics (DEU)

COSMOLOGY WITH STRONGLY LENSED SUPERNOVAE.

ore 14:30 | **AULA MA** | VIA MANGIAGALLI 31 MILANO

An intriguing tension in the measurements of the Hubble constant H0, which sets the expansion rate of the Universe, has emerged in recent years.
Independent determinations of H0 are important to assess the tension, which if verified, would imply new physics beyond the standard cosmological model.
I will illustrate independent methods to measure H0, particularly strong gravitational lenses with measured time delays between the multiple images.
Exciting discoveries of the first strongly lensed supernovae offer new opportunities for measuring H0, and I will present recent advances.
I will show the bright prospects of lensed supernovae as an independent and competitive cosmological probe.

progetto grafico: roberto perego | www.nonacaso.it

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