

New ideas to find ultralight dark matter searches in astrophysical data

Tuesday 5 November 2024 10:30 (45 minutes)

I will present how ULDM affects the propagation of gravitational waves, and how ET or LISA may provide unique opportunities into detecting it. I will also present the modification of the time of arrival of radar-tracked spacecrafts in the Solar System by ULDM. Together, these two methods seem very promising to search for ULDM in a new mass range.

Presenter: BLAS, Diego (IFAE, ICREA in Barcelona)

Session Classification: Morning session