

Jeudi 17 novembre 2022 à 11h (IAS, bâtiment 121, salle 1-2-3)

Revealing elusive particles with cosmic microwave background experiments

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Neutrinos and other well-motivated particles from the Big Bang are gateways to much awaited new physics that will sharpen our understanding of Nature. Cosmology offers a unique arena to unveil their secrets in a way that is separate from, but complementary to astrophysical and terrestrial searches. The next generation of CMB surveys will supersede the current, which is already highly sensitive to these particles' fundamental properties.

In this seminar, I will show what cosmology can tell us about light relic particles and what constraints come from current data. I will discuss prospects for future experiments, such as LiteBIRD, Simons Observatory, CMB-S4.

Zoom info

<https://cnrs.zoom.us/j/94488917623?pwd=cjlmQmpSaHlGY2kzbXJYeINIU2Y5UT09>

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