

FORTE prestissimo

Wednesday 4 June 2025 10:45 (1h 15m)

The FORTE project interconnects the research carried out in the Czech Republic in particle physics, astro-particle physics, cosmology and gravitation. These fields are key to understanding the principles underlying our universe and determining its past and future evolution. In the talk, we will illustrate the research being carried out within the FORTE project at the high energy physics experiments at CERN, where we study fundamental interactions and extreme states of matter; then we will discuss how we hunt for elusive neutrinos; and finally, we will see how astro-particle physicists measure cosmic rays whose energy exceeds by many orders of magnitude the capabilities of existing man-made accelerators.

Presenter: KRÍŽEK, Filip (Nuclear Physics Institute, Czech Academy of Sciences)