

FLASY 2025 - 11th Workshop on Flavour Symmetries and Consequences in Accelerators and Cosmology



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Exploring Flavour Symmetries and Long-Lived Particles with the FASER Experiment

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The FASER experiment at the LHC explores long-lived particles (LLPs) and their connections to flavour symmetries. Recent results include constraints on dark photons and axion-like particles (ALPs), which are often motivated by flavour-related dynamics, as well as the first detection of high-energy collider neutrinos, providing insights into neutrino flavour oscillations and constraints on heavy neutral leptons (HNLs). These findings offer complementary probes to other experiments, addressing key questions in flavour physics, particle interactions, and cosmology.

Primary author: SEBASTIANI, Cristiano (CERN)

Presenter: SEBASTIANI, Cristiano (CERN)

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