

Search for BSM physics at the forward experiments of the LHC

Tuesday, 4 June 2024 10:30 (30 minutes)

At the LHC, new experiments, SND@LHC and FASER/FASER ν , have started to investigate neutrinos and BSM physics in the forward region of the beam collision point. In addition, the Forward Physics Facility (FPF) was proposed to house a suite of forward experiments in the High Luminosity stage (HL-LHC). These experiments can provide opportunities to search for many interesting physics potentials in the standard model and beyond the standard model (BSM). In this talk, I will introduce several physics cases that can be explored at such forward experiments of the LHC focusing on BSM physics.

Primary author: JEONG, Yu Seon

Presenter: JEONG, Yu Seon

Session Classification: Plenary 5