

SHiP Experiment

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The SHiP experiment at the future SPS Beam Dump Facility is a new general-purpose experiment at the SPS to search for so-called hidden particles. Such new particles are predicted by Hidden Sector models, which aim to explain phenomena such as dark matter, neutrino oscillations, and the origin of the Universe's baryon asymmetry. The SHiP experiment was approved in 2024 and is considered to start data-taking in the early 2030s as one of the flagship CERN projects for the next 15 years. In this talk, both the SHiP physics motivation and the experimental set-up and status will be discussed.