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ILC Opportunities for Fixed Target Experiments

Thursday 29 July 2021 09:35 (40 minutes)

High energy beam dump experiments can offer a unique opportunity to test feebly interacting beyond the Standard Model particles.

In this talk, we will first give an overview of the physics motivations for feebly interacting particles. Then we will present a few studies of the reach of a future beam dump experiment that utilizes the ILC electron beam. We will comment on the complementarity of this experiment with other proposed future collider experiments.

Presenter: GORI, Stefania (UC Santa Cruz)