

BSM parton showers in Herwig 7

Sunday, 5 May 2024 14:20 (20 minutes)

I will discuss the inaugural investigation of BSM radiation processes, framed as a generalized, process- and model-independent parton shower algorithm within Herwig7, based on direct translations of UFO constructs via Herwig's "ufo2herwig" module. Additionally, I will address some phenomenological aspects of employing BSM parton showers, particularly in the context of models with extended Higgs sectors, to explore their implications and potential observable effects.

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