MOCa 2021: Materia Oscura en Colombia



Contribution ID: 27 Type: not specified

VBF DM searches within Simplified Models

Wednesday 9 June 2021 11:40 (20 minutes)

We study the possible Vector Boson Fusion signatures that arise from Simplified models for DM production at the LHC. We develop a strategy for looking for these signals and compare it with monojet type of searches. We show how different DM searches in simplified models are complimentary and needed to establish a full picture of DM production at the LHC.

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Session Classification: MOCa