

Effects of parton shower and underlying event modelling in Higgs measurements and searches

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A number of Higgs measurements and searches for new phenomena in the Higgs sector rely on identification or vetos of particle jets with fairly low transverse momentum in the range of 20-30 GeV. In these cases uncertainties from the modelling of the parton shower and the underlying event can be sizeable. This talk will give an overview of how these uncertainties enter in several analyses.

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