

Phenomenology 2022 Symposium: From Virtual to Real



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Measurement of Z boson production in association with jets at ATLAS

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Measurements of W/Z-boson production in association with jets are an important test of perturbative QCD prediction and also yield information about the parton distribution functions of the proton. This talk will present recent Z+jets results focusing on extreme phase-spaces with high pT jets as well as high pT heavy-flavour jets. The data are presented differentially and compared to next-to-leading order QCD calculations and to theoretical predictions provided by various Monte Carlo event generators.

Author: BEAUCHEMIN, Pierre-Hugues (Tufts University (US))

Presenter: BEAUCHEMIN, Pierre-Hugues (Tufts University (US))

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