

Precision measurement of $Z\gamma$ +jets differential cross-section using full run2 data in ATLAS

Precision measurements have played a key role in the development of particle physics. This presentation will report the latest measurement of differential cross-section of Drell-Yan $Z\gamma$ process using data collected by the ATLAS detector in run2, in particular concerning the jet activities. $Z\gamma$ production is a major background for many new physics process and $Z\gamma$ itself can also be used for indirect search for new physics such as EFT studies. The jets produced in association to $Z\gamma$ would also provide us a great chance to test several key QCD calculations. In this talk we'll present the data analysis method as well as discussing the results comparing to theoretical predictions.

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