

## **Precision measurement of Zgamma+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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**Session Classification:** 分会场一

**Track Classification:** TeV 物理和超出标准模型新物理