



Contribution ID: 97

Type: **Poster**

## Performances of electron reconstruction + identification in Run 2 and preparation for Run 3

*Monday 1 August 2022 18:20 (10 minutes)*

In the ATLAS detector, electrons and positrons, collectively referred to as electrons, leave characteristic signatures which allow them to be reconstructed and identified. The poster will present measurements of electron reconstruction and identification in  $J/\psi \rightarrow e\bar{e}$  and  $Z \rightarrow e\bar{e}$  events using Run2 data collected at centre-of-mass energy of 13 TeV in p-p collisions. The poster will also show the development of a new identification algorithm based on a deep neural network targeting Run3.

### Preferred track

Jets & QCD at High Scales

### Subfield

HEP experiment

### Attending in-person?

Yes

### On behalf of collaboration?

ATLAS

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**Session Classification:** Poster Session

**Track Classification:** Jets and QCD at high scales