

ASP2018 High School Teachers Workshop



Contribution ID: 21

Type: **not specified**

Masterclass Measurement

Friday 6 July 2018 11:00 (1h 30m)

Teachers will work in pairs. Each pair of teachers will be at a computer and be assigned a dataset of 100 CMS events to analyze visually to determine if each event is a candidate Z, W⁺, W⁻, or other particle. In the case of events that look like a Z signature (dilepton events), teachers will create a mass histogram in CIMA. Teachers will also count W⁺ vs W⁻ events and electron vs muon final states to determine these ratios.

Presenters: DE ROECK, Albert (CERN); CHARLTON, Dave (University of Birmingham (GB)); BERTSCHE, David (Deutsches Elektronen-Synchrotron (DE)); SHAW, Kate (INFN Gruppo Collegato di Udine and ICTP Trieste); CECIRE, Kenneth (University of Notre Dame)

Session Classification: MasterClasses