



Contribution ID: 52

Type: **not specified**

Jet measurements in Run 2

Saturday 14 October 2023 09:15 (1h 30m)

This section is focused on jets, which are a powerful tool to constrain the strong coupling constant α_s , the parton distribution functions (PDFs) and to search for new physics. During the exercise, the students will go through the main steps of jet analyses up to the cross section extraction with a special focus on the trigger, jet energy corrections, pileup, and unfolding procedure. In the exercise, ROOT and C++ will be used.

Presenters: CONNOR, Patrick (UNI/EXP (Uni Hamburg, Institut für Experimentalphysik) & CDCS); KIOSEOGLOU, Polidamas; AMOROSO, Simone (CMS (CMS Fachgruppe QCD)); GUGLIELMI, Valentina (CMS (CMS Fachgruppe QCD))

Session Classification: PAG exercise