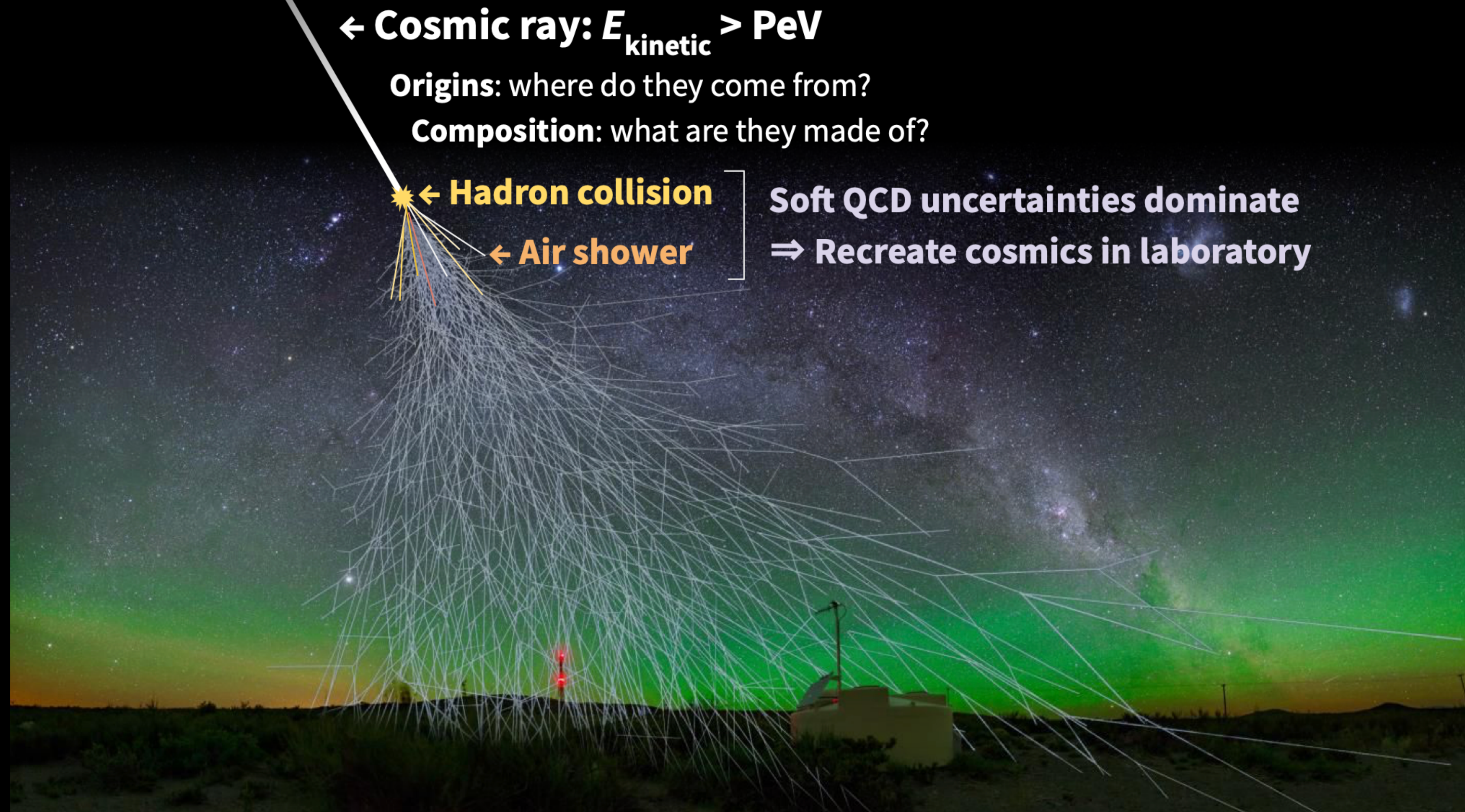


LHC is world's highest energy proton-Oxygen collider (p: 13.6 TeV, O: 6.8 TeV)

Recreate cosmic ray air showers in the lab

→ Improve soft QCD modelling by performing minbias analysis i.e. shape-only measurement of charged particle spectra

kick-off



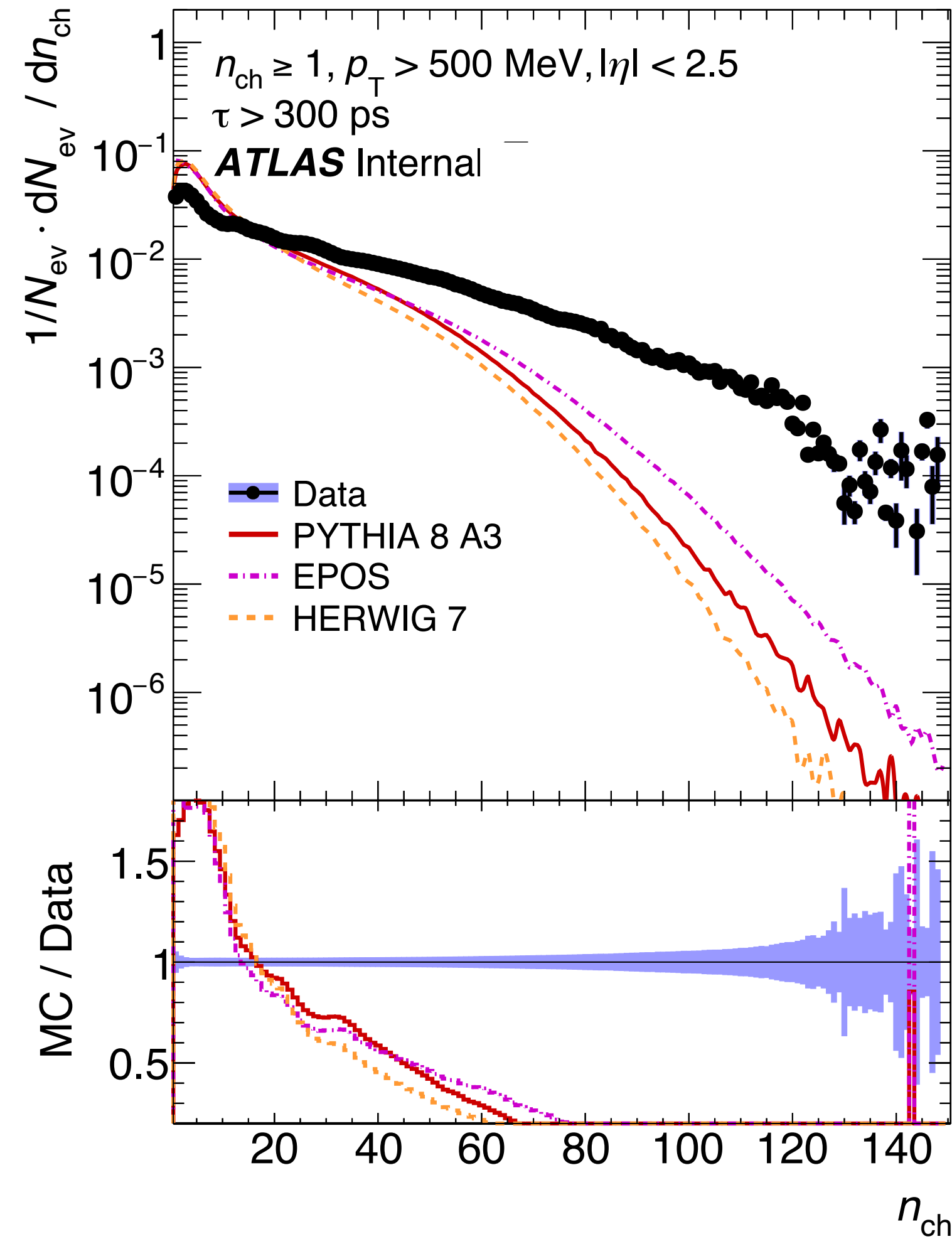
Ran pp minbias code on new pO data :)

Ran histogram making code locally a file from pO AOD:
data25_hip.00501607.physics_MinBias.merge.AOD.f1604_m2272
Using pO GRL, not requiring trigger currently

Ran unfolding code, **warning using pp minbias MC and pO data!**

Unfolded n_{ch}

Warning: Using pp minbias MC and pO data!



Unfolded eta

Warning: Using pp minbias MC and pO data!

Slight eta asymmetry as seen in detector level distributions

- Expected as pO is not a symmetric system

Higher overall normalisation compared to pp MC due to higher track multiplicity

