

# Summary of travel

- 22.07 - 2.08: [Hadron-Collider Physics Summer School](#) in Fermilab
- 2 - 6.09: [Standard Model Workshop](#) in Ljubljana
- 10 - 13.09: [ATLAS-D Meeting](#) in Mainz
  - talk about Global Alignment of the AFP in Run3

# Tau g-2 analysis

## Goals:

- Full run 2 PbPb data (2015 + 2018)
- Truth level differential cross sections → unfolding
- Reco & truth-level measurements of tau g-2, electric dipole moment + more if feasible (eg. NLO corrections, axion search)

## Plans:

- EB request by the end of the year
- Aim for Quark Matter Conference (April 2025)

# Tau g-2 analysis

My current work:

- prepared input for unfolding (reco/truth distributions, response matrices)
- prepared photonuclear background input (data driven method)
- added missing 2015 samples: additional signal sample + dimuon bkg sample with FSR
- added missing electron scale factors and trigger scale factors for 2015
- updating internal note

