

- Measurement of the $Z \rightarrow \tau\tau$ cross section with tau decays
 - > Processing of nanoAOD already done with tuples stored in eos/pnfs
 - > Students will plot the visible mass for a $\tau\tau \rightarrow \mu\tau$ event selection in data and MC
 - > Check how the visible mass changes by using different TauID algorithms (τ_h properties saved for DeepTau v2p5, v2p1, and old MVA algorithms)
 - > Run combine on templates of the di-tau mass to extract the tauID efficiency \rightarrow aka the correction on the $Z \rightarrow \tau\tau$ normalization
 - > Multiply by the theory prediction for $Z \rightarrow \tau\tau$ xsec
- Inherited from Tau exercise in 2020:
 - > [CMSDAS2020-README.md](#)
 - > [Symposium presentation](#)

