Tau exercise

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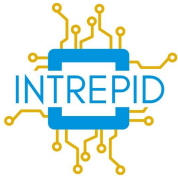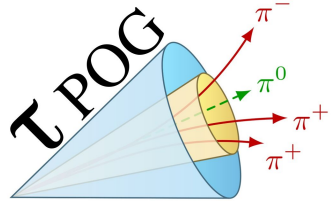
Plan

- Introduction to tau Reco and ID in CMS

  - 2 python notebooks based on exercises prepared for the DAS@CERN 2024:

    - https://gitlab.cern.ch/cmsdas-cern-2024/short-ex-tau

    - Tau reconstruction and DM identification (HPS)

      - no changes planned wrt to 2024

    - Tau identification (DeepTau) + can update to add Pnet/UparT)

      - work on new tuples to include PNet+UParT (nanoV15)

- Needs:

  - Storage space for a few tuples / computers that can access public tuples on EOS

  - Students can use swan?

Current status
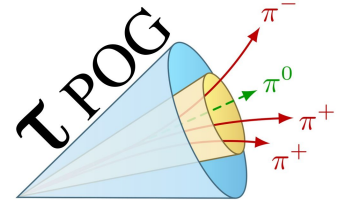
- Notebooks still working on swan with old nanoAOD files
    - Run 3 MC already in use
- Update of input files to nanoV15 being done
    - Possibility to test comparison between different tau identification algorithms
    - DeepTau v2.5, PNet, UParT