

# Analysis Requirements: High- $p_T$

- High  $p_T$  barrel tracking
  - Optimized set of quality cuts
  - Efficiency and fake track rate
    - Embedding

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- Jet Analysis: Modified jet structure in central PbPb collisions compared to reference: pp, pA, peripheral PbPb
- Needs reconstruction under same conditions
  - Possibility to reconstruct jets produced in pp events inside a realistic PbPb background
    - ESD+ESD
    - ESD+Kine

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- Early analysis might need frequent loop over ESDs.
  - Maybe only possible for a fraction of the data
  - Provide mechanism to equilibrate the statistics over the full  $p_T$  spectrum

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- Jet Reconstruction AND Jet Structure Analysis need full information from
  - Barrel tracks
  - Emcal