

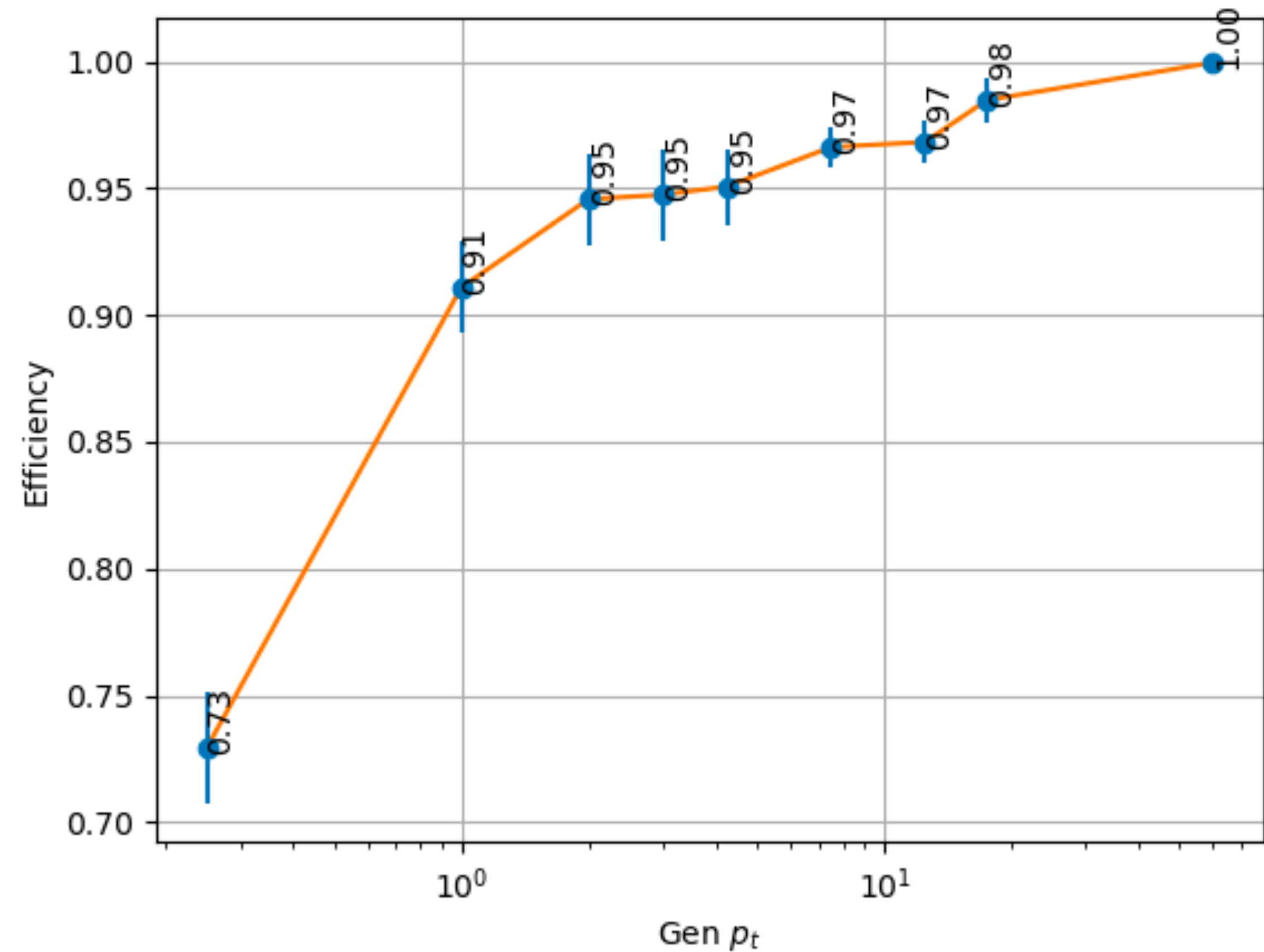
CEPC Trk & PID

working meeting

18Oct2024

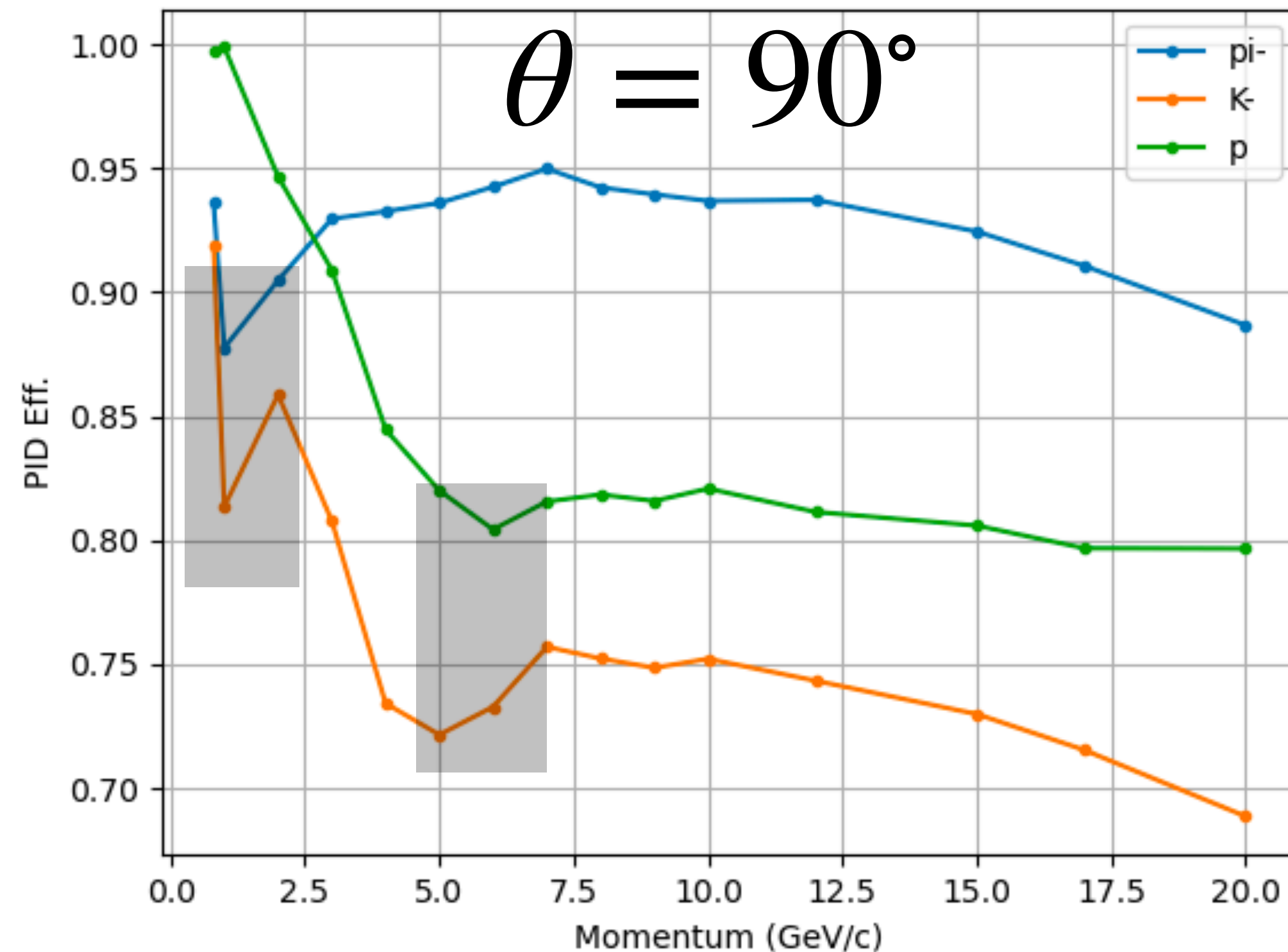
Introduction (Trk)

- Track precision is fine, $\sigma_{p_T}/p_T \approx 0.1\%$ with $p_T < 10$ GeV is achievable
- Remaining questions:
 - Efficiency with $p_T < 10$ GeV
 - Multi-Tracks



Introduction (PID)

- TPC+ToF PID framework has been developed for SW.
- K/π , K/proton separation is fine.
- Preliminary PID Eff & Purity results show some caveats



- To understand
 - K/pi effs vary rapidly around 1 GeV
 - K/proton effs loss around 5 GeV
 - expect higher proton efficiency