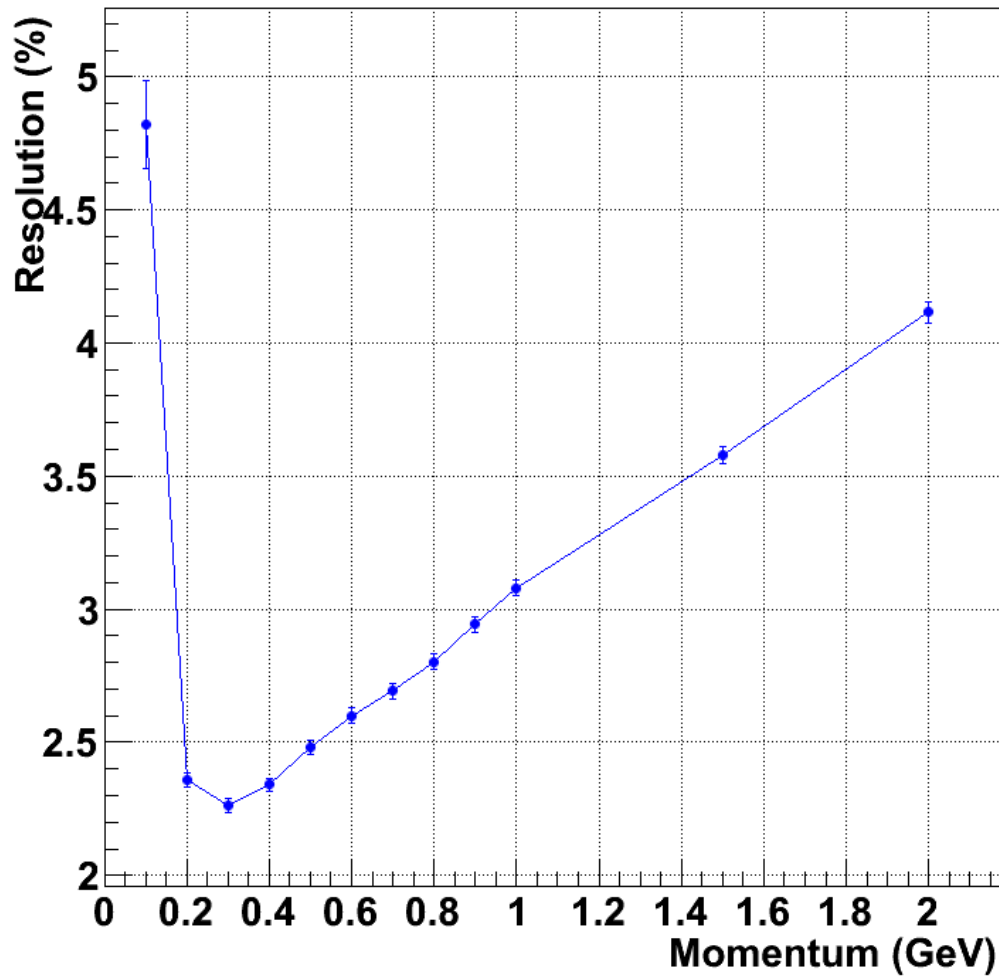


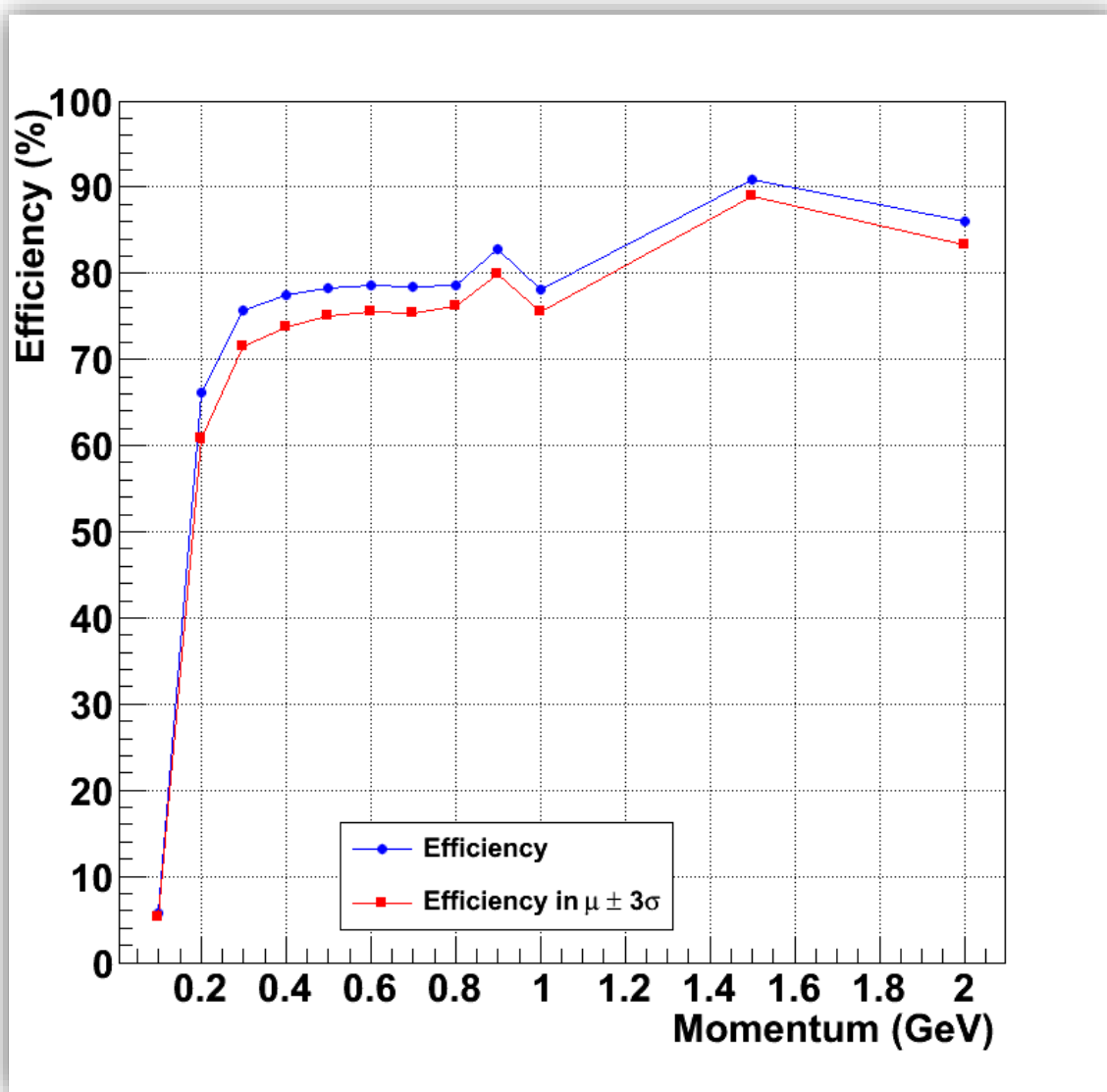
Simulation setup

- ❑ PandaROOT version: mar14 release; externals: apr13 release
- ❑ Particles (muons) generated at the I.P., uniformly in ϕ ($0, 360^\circ$) and in $\cos\theta$, $\theta \in (20^\circ, 140^\circ)$, and with fixed p values:
 - ❑ $p = 0.1, 0.2, \dots, 1. \text{ GeV}/c$ (100 MeV/c steps)
 - ❑ $p = 1.5, 2. \text{ (500 MeV/c steps)}$
- ❑ $10^4 \mu^-$ single track events for each momentum value
- ❑ Half magnetic field
- ❑ All detectors included in the simulation; reconstruction performed with central trackers
- ❑ Kalman filter: one iteration, μ hypothesis
- ❑ Tracks backpropagated to PCA to z axis (as in PndPidCorrelator)

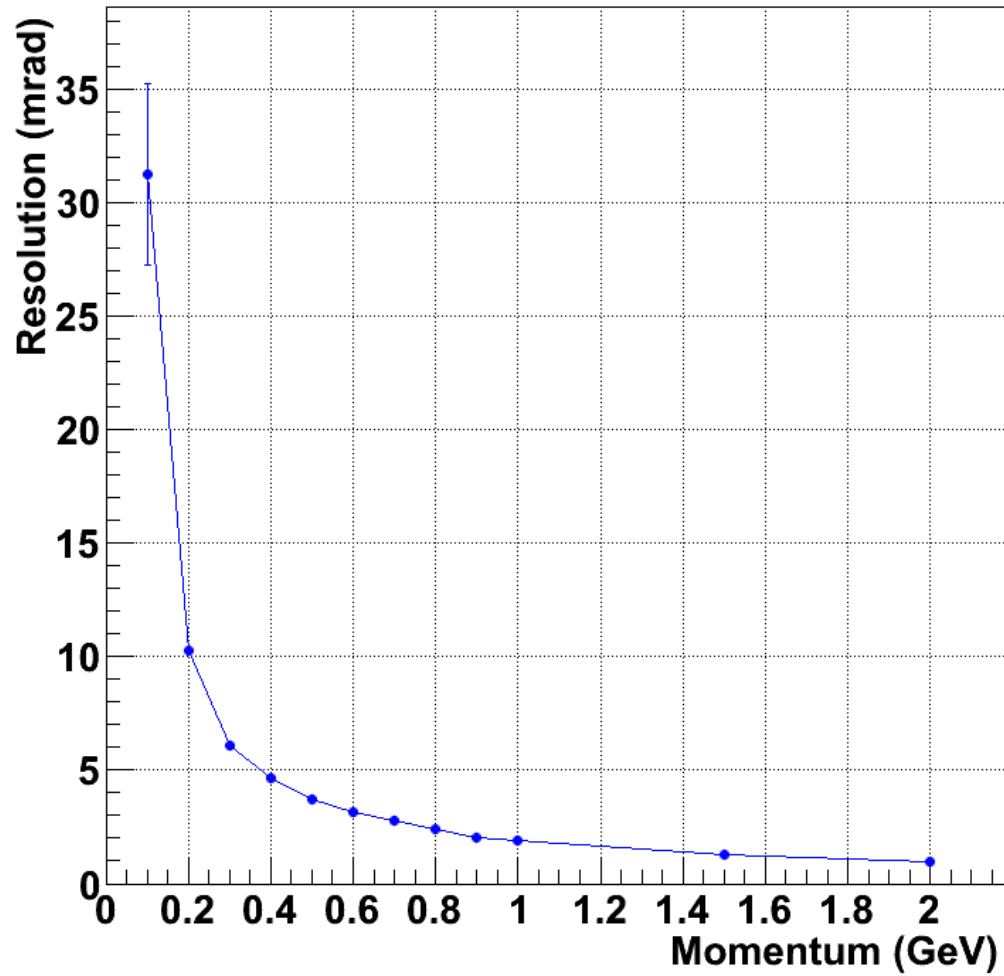
Momentum resolution



Reconstruction efficiency



θ resolution



ϕ resolution

