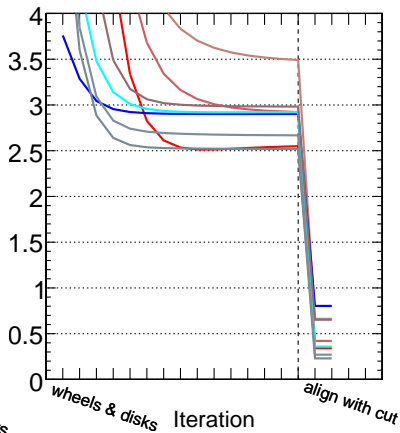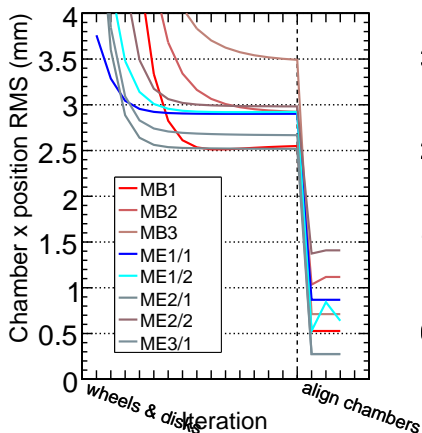- ▶ Full 6-dof misalignment/realignment scenario
- ▶ Simplified method for generic test:
  1. align wheels/disks
  2. align chambers with muon APE $= \infty$ globalMuons (100 pb^{-1})
- ▶ Most improvement in MB2 and ME ring 2

Option #1: special filters used only by HIP method

- ▶ AlCaRecoMu and AlignmentMuonSelectorModule unaffected
- ▶ We make a private, filtered copy of AlCaRecoMu stream (nearly the same size as full stream)

Option #2: define cut in AlignmentMuonSelectorModule, but don't use it for official AlCaRecoMu

- ▶ We make a private, filtered copy of AlCaRecoMu stream using AlignmentMuonSelectorModule with the cut turned on
- ▶ Safe: easy to verify `applyScatteringFilter = false`

Option #3: apply the cut to AlCaRecoMu for both methods

- ▶ Requires careful testing, because it's irreversible
- ▶ Doesn't significantly impact quantity of data for high momentum ($p_T > 20$ GeV)
- ▶ Possible to implement two event loops in Express Stream?
- ▶ Don't need to decide between #2 and #3 for CMSSW_2_0_0