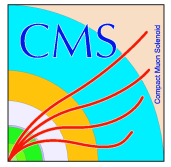

Proposal for Muon Alignment AlCaRecos

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AlCaRecos for collisions MC

Muon AlCaReco Stream	Dataset	Comments
MuAlCalIsolatedMu	Express Stream step 2	Main muon source for two alignment algorithms, DT calibration
MuAlOverlaps	Express Stream step 3 or Prompt Reco	Optimized for CSC overlaps algorithm (reduction ∼factor 50)
MuAlZMuMu	Prompt Reco or not at all	Monthly timescale, at least at first; no algorithm currently defined to use mass constraint

AlCaRecos for data and special MC samples

Muon AlCaReco Stream	Dataset	Comments
Same as above, plus. . .		
MuAlStandAloneCosmics	Prompt Reco	Important for alignment, but requires special reconstruction
MuAlGlobalCosmics	Prompt Reco	These are tracker-pointing globalMuons
MuAlBeamHalo	Prompt Reco	Triggered by CSC beam-halo trigger instead of RPC cosmics
MuAlBeamHaloOverlaps	Prompt Reco	Same overlaps selection applied to non-collisions

If Cosmics and BeamHalo primary datasets are combined, then MuAlStandAloneCosmics and MuAlBeamHalo could be combined. They are not distinguished by purpose.