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Introduction

This page is intended to gather recommendations together for convenience. It is not an exhaustive list and you should check to make sure that the recommendations you are following and tools you are using are up to date.

Muons

Please see MCP group recommendations (for EPS and LPC) here:

<https://twiki.cern.ch/twiki/bin/view/AtlasProtected/MCPAnalysisGuidelinesEPS2011>

Packages to use in analyses include:

- <https://svnweb.cern.ch/trac/atlasoff/browser/PhysicsAnalysis/MuonID/MuonIDAnalysis/MuonMomentumCorr>
- <https://svnweb.cern.ch/trac/atlasoff/browser/PhysicsAnalysis/MuonID/MuonIDAnalysis/MuonEfficiencyCorr>

Muon Trigger Recommendations

See <https://twiki.cern.ch/twiki/bin/viewauth/Atlas/MuonTriggerPhysicsTriggerRecommendations2011>

- Periods A-I: Take OR of EF_mu18_MG (or EF_mu18) and EF_mu40_MOnly_barrel
- Period J onwards: OR of EF_mu18_MG_medium (or EF_mu18_medium) and EF_mu40_MOnly_barrel_medium

You must apply a trigger scale factor, based on the pT, eta and phi of the muon (barrel) or pT (endcap). See https://twiki.cern.ch/twiki/bin/viewauth/Atlas/MuonTriggerPhysicsTriggerRecommendations2011#Trigger_Scale_Factor for more details.

Electrons

See under "Recommendations for data analysis" in

<https://twiki.cern.ch/twiki/bin/view/AtlasProtected/ElectronGamma>

- Isolation correction: <https://twiki.cern.ch/twiki/bin/view/AtlasProtected/CaloIsolationCorrections>
- Electron energy scale and resolution:
<https://twiki.cern.ch/twiki/bin/view/AtlasProtected/EnergyScaleResolutionRecommendations>

Recommendations to deal with the LAr Hole

- **egamma recommendations** :
https://twiki.cern.ch/twiki/bin/view/AtlasProtected/LArCleaningAndObjectQuality#Dealing_with_LAr_hardw
- **jetetmiss recommendations** :
https://twiki.cern.ch/twiki/bin/view/AtlasProtected/HowToCleanJets#Guideline_for_LAr_Hole_treatment

-- KatharineLeney - 29-Aug-2011

This topic: Main > AnalysisExtras

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