

Projects

Muon Reconstruction

- Global Muon Reconstruction
 - Muon Reconstruction Note
- Cosmic and Beam Halo Muon Reconstruction
- Fast Muon Analysis

High-Level Trigger

- Muon Level-3 Trigger algorithms
- Muon HLT DQM
- Muon L3 vetting
- Iterative L3 Trigger Reconstruction

Measurement of the Drell-Yan di-muon cross section

- References
 - Study of Drell-Yan Dimuon Production with the CMS Detector, CMS Note 2006/123
 - Drell-Yan Production at the Fermilab Tevatron
 - A Measurement of Low-Mass Drell-Yan Production at the Collider Detector at Fermilab
 - Drell-Yan Cross Section Measurement at CDF, M. Schmitt, APS 2006
 - Drell-Yan and Z' Searches at CDF, M. Schmitt, 2004
 - Angular distribution of dileptons in high-energy hadron colliders
 - Drell-Yan Production Cross Section with RunI data at DZero
 - Inclusive Drell-Yan e^+e^- Cross Section in the Invariant Mass Range 30-60GeV with RunI data at DZero
 - Drell-Yan and FB Asymmetry with RunII data at DZero
 - Evaluation of the Theoretical Uncertainties in the $Z \rightarrow \mu\mu$ Cross Section at the LHC
 - Muon Identification at Dzero
 - Run-II Dimuon Trigger Optimization and Efficiency Measurement in CDF
 - Upsilon Note by Purdue
 - Upsilon Note by Princeton
- DY Note Twiki
- DY Analysis Twiki
- Chang Liu's thesis
- 2010 Drell-Yan paper arXiv:1108.0566v1 hep-ex
- Drell-Yan Analysis Procedure 2011
- Drell-Yan Analysis Procedure 7-8 TeV

Search for hi-mass di-muon resonances

- Statistical Analysis: Z' statistics project timeline

Search for four-lepton resonances

- Recipe for analysis procedure (8 TeV)

H \rightarrow $\mu\mu$

- 8 TeV pre-approval presentation
- 8 TeV analysis note
- 8 TeV publication

FPIX commissioning

- Planning