ATLAS PUB note draft status aiming for Seattle workshop

- Pub note draft circulated to ATLAS collaboration last on Jun.14 with Bill and Zhijun's help:
  - https://cds.cern.ch/record/1554610
- Currently version 8 in ATLAS circulation:
  - Received many comments from James, Tom and Bill but all of them are addressed or answered
  - Beate has been appointed to be the final reviewer of our note, comments newly provided today. Need to be responded
  - Plan to be ready for sign off ASAP, hopefully today or tomorrow (version 9)
- Google document for comment response:
  - https://docs.google.com/document/d/1QLrQyYNJbNek-lLsGs9zzxEk2oAlcvOs7-wk6hXK5OI/edit

Roadmap towards Snow Mass

- Snow Mass Energy Frontier parametrized FastSimulation framework with INSTRUCTIONS:
- http://www.snowmass2013.org/tiki-index.php?page=Energy_Frontier_FastSimulation
- **Need to provide the StdHEP file produced by MG5 (output by pythia)**

- EF Hadron collider facility list:
- http://snowmass2013.org/tiki-index.php?page=EF+Facilities+List

  Exercise For Seattle THIS WEEK:
  - LHC 14 TeV, 3000/fb (HL-LHC) , spacing: 25 ns, pileup: 140 events/crossing
  - LHC 33 TeV, 3000/fb (HE-LHC) , spacing: 50 ns, pileup: 225 events/crossing

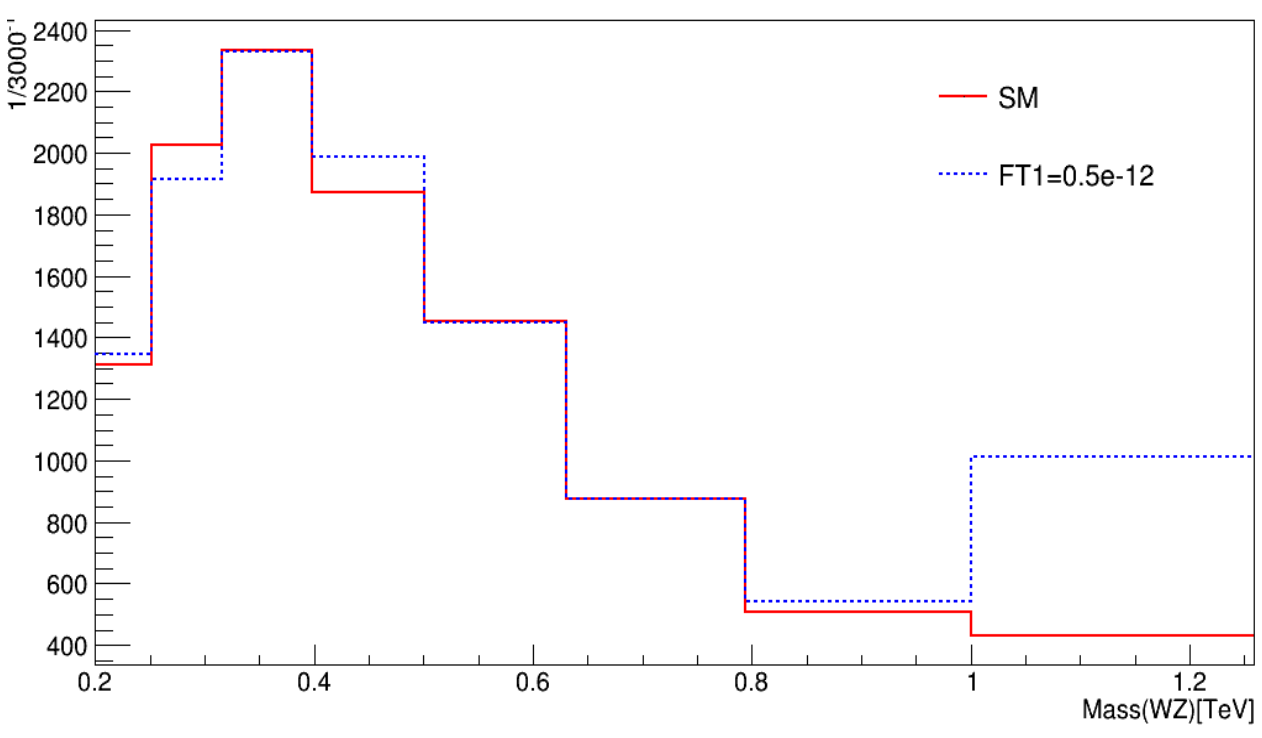
    (Modify the MeanPileUp value from 140 to 225)
- Limit setting framework:
  - **Using Shih-Chieh's frequentist calculation WITH INSTRUCTION:**
  - https://espace.cern.ch/project-SnowMass-EWK/Shared%20Documents/LLR.tgz
  - **Two way to access p-Values:**
    - **The likelihood ratio significance by Chris Pollard**
    - **The frequentist significance calculation by Shih-Chieh Hsu**
  - **Run example: see test.sh**

WZjj 33TeV functional test

Assuming backgrounds are fully understood and no additional offline cuts yet

Pending:
Background samples Are still being processed by delphes

Need to update with more operating points and VV-QCD background



Rough estimate of Signifiance = Sqrt(-2 logLikelihood Ratio):
NSigma: 24.1382 p-val: 4.97015e-129
Frequentist significance results
NSigma: 5.19934 pval < 1e-07
Need to be understood?