

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-ILsGs9zzxEk2oAlcvOs7-wk6hXK5OI/edit>

Roadmap towards Snow Mass

- Snow Mass Energy Frontier parametrized FastSimulation framework with INSTRUCTIONS:

- http://www.snowmass2013.org/fiki-index.php?page=Energy_Frontier_FastSimulation

- Use MadGraph 1.5.10 for event generation

- Oscar's new dim8 UFOs are released:

- <http://feynrules.irmp.ucl.ac.be/wiki/AnomalousGaugeCoupling#no1>

- (new feature for NP vertices, NO change in terms of physics w.r.t. last version we used for ATLAS note. So NO NEED to re-generate events you already have had)

- EF Hadron collider facility list:

- <http://snowmass2013.org/fiki-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
(missing official delphes card, we can simply hack the meanPileUp value)

To be included in July:

- LHC 14 TeV, 300/fb , spacing: 25 ns, pileup: 50 events/crossing
 - VHE-LHC 100 TeV, 3000/fb, spacing: 50 ns, pileup: 263 events/crossing
(missing official delphes card)
 - VLHC at 100 TeV, 1000/fb, spacing: 19 ns, pileup: 40 events/crossing

- Limit setting framework:

- **Using Shih-Chieh's frequentist calculation WITH INSTRUCTION:**

- <https://espace.cern.ch/project-SnowMass-EWK/Shared%20Documents/LLR.tgz>