



Progress & plans

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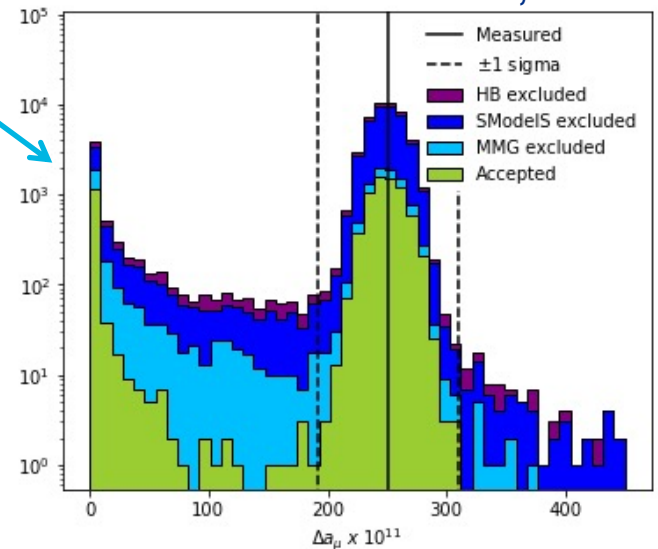
pMSSM Scan Meeting

Progress of the scan

- Showed last time the progress of 100 parallel scans
- Since I have added:
 - 100 parallel scans with the same setup
 - 200 more parallel scans with the same setup but ***without Δa_μ in the MCMC likelihood***

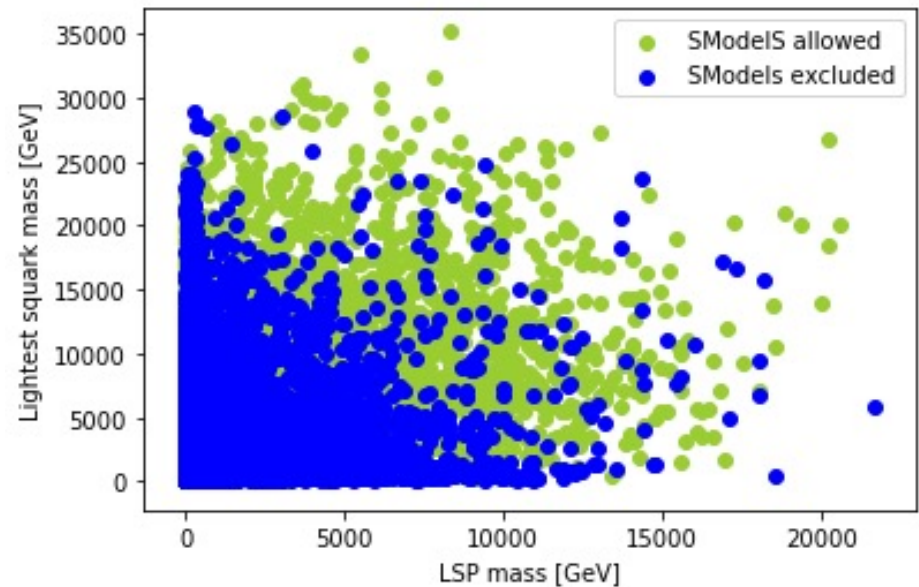
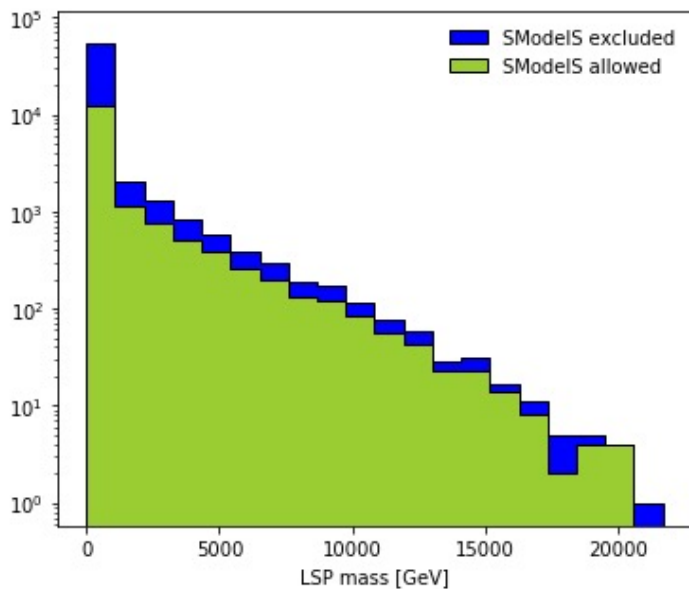
To populate the SM expectation more

First 100 scan threads, 01/12



SModelS exclusions

- Sabine mentioned that SModelS exclusion looks good. Double check to make sure everything makes sense
 - [Plots of all variables with SModelS pass/fail](#)
- LSP mass in particular: why are high masses excluded?



Plans for the pMSSM scan paper

- It would be great if paper containing the description of the scan stands as a physics result on its own
- Idea: include the impact of *projections* for future precision measurements on pMSSM space
 - Higgs measurements
 - Direct searches
 - Muon $g-2$
 - Let's add more!