

RC report



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For the RC: MCh, Hang Yin (CCNU), Mike Williams (MIT)

Analysis approval, CERN
February 20, 2018

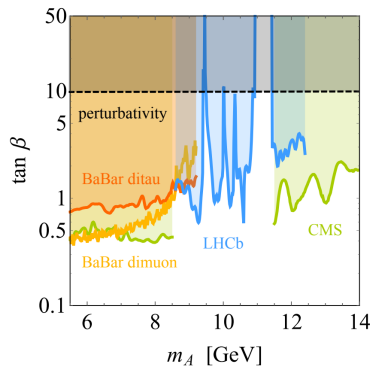
Analysis details

- **Analysis:** Model-independent search for a light BSM di-muon resonance in the bottomonium region.
- **Contact authors:** Carlos Vazquez Sierra, Martino Borsato, Xabier Cid Vidal
- **WG Approval:** 28-Jun-2016
- **Data set:** 3 fb^{-1} Run1
- **Twiki:**
<https://twiki.cern.ch/twiki/bin/viewauth/LHCbPhysics/A02MuMu>

A bit statistics:

- 5 versions of ANA note.
- 3 meetings with the RC.

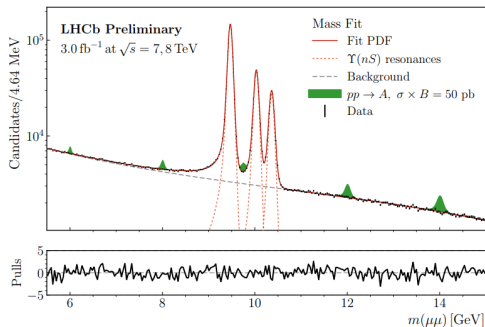
Motivation



- LHCb has a unique opportunity to find it in the hardest area.

No spoilers!!

- The difficulty of analysis is controlling the mass shape close to the resonance region.
- Now I will not show you what they do as you would not listen to the authors ;)



Conclusions

- We recommend that analysis is approved to go to paper.
- Thanks to the proponents for an interesting and productive review

