

New Ideas for HonexComb ?

Now that QM'22 is behind us, are there any comparisons / tensions / plots we could address together ?

On open heavy flavours ?

[Experimental overview](#)

On quarkonia ?

[Experimental overview](#)

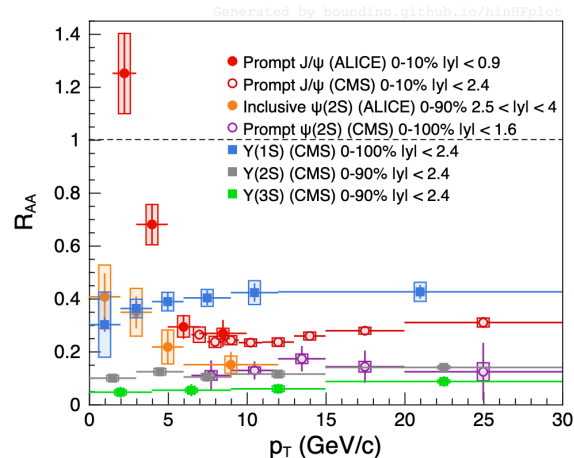
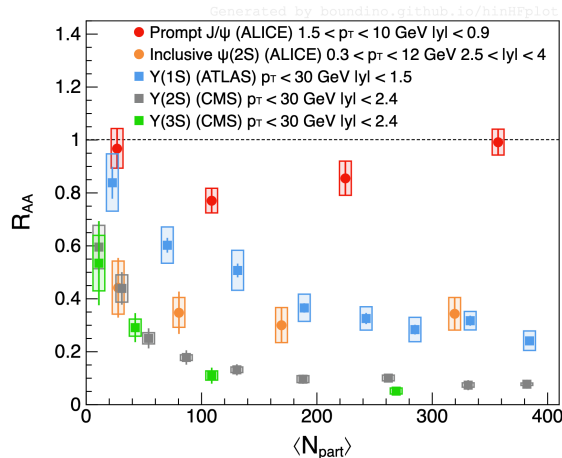
(Iwona) ATLAS released a final result on Upsilon production. It is in good agreement with CMS:

https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/PAPERS/HION-2021-12/figaux_02a.png
[resolved]

(Florian) All the quarkonium vector states are now measured, down to $p_T \sim 0$ and for central collisions!! What's next? (compilation figures generated with the [online tool](#))

- Psi(2S) in ALICE
- Upsilon(3S) in CMS

(GKK) Y(1S), Y(2S) seems like a low hanging fruit for combination ;D



On jets ?

- (Raph) Should we work out where these differences come from ? Should we ping the Strong-2020 jet people ?

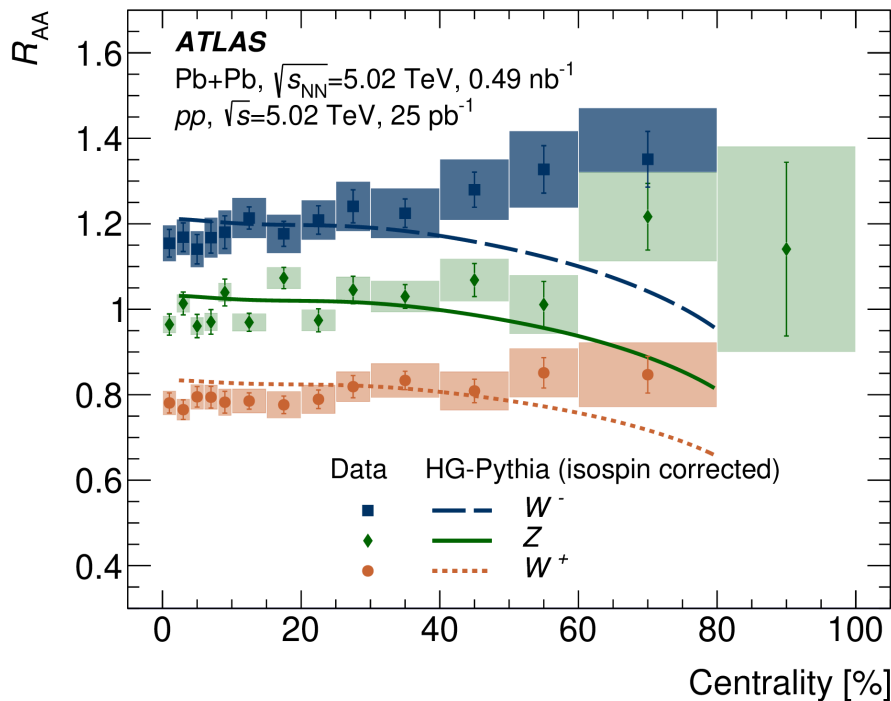
Outdated plot...

- More comprehensive CMS / ATLAS comparisons ?

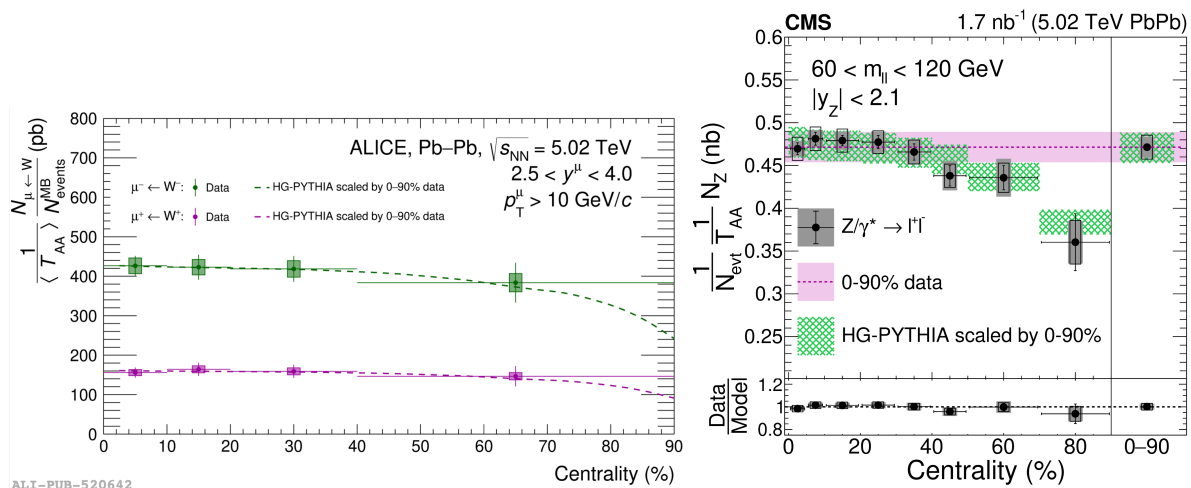
On electroweak bosons ?

[Experimental overview](#)

(Iwona) I think we still have tension between [ATLAS](#) and CMS for Z/W boson yields in peripheral events.



(Florian) [ALICE measurement of W yields](#) seems to be consistent with [CMS finding for Z boson](#)



(Zvi) I don't think the precision of the ALICE measurements allows them to really discriminate here, but I do think the ATLAS vs CMS tension is worth pursuing.

- Put them on the same scale
- Watch out for the centrality binning (position)
- Find people to work on this ? Hard...

(Guillaume) might be interested, review.

On UPC ?

[Experimental overview](#)

- (Raph) Should we average (or even combine) the tau leptons observation from ATLAS and CMS? (discussed in previous talk)

On top quarks ?

[Overview from HonexComb kick-off mtg](#)

(GKK) Overall comment for combinations: Given the reluctance from our exps on dedicated smaller working groups, how can we defend/proceed in the future? Is under LPCC WG umbrella a good way while acknowledging HonexComb? Or ..?