



Weekly report

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INSTITUTE FOR
COLLIDER
PARTICLE
PHYSICS

UNIVERSITY OF THE WITWATERSRAND

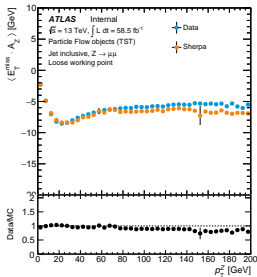
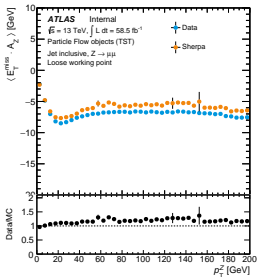
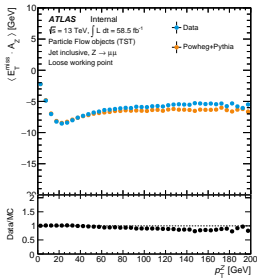
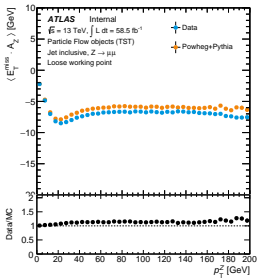


- Started working on the note to document what we did so far;
- In the main time working on the issue of PFlow for fixing the MET;
- We submitted request to generate more sample for the RSH;
- And included 2HDM+a which is $A \rightarrow ZH \rightarrow 4\ell + E_T^{\text{miss}}$;

- Working on the optimisation by doing a triangle scan;
- Will include mc16d as well with the optimisation;

The E_T^{miss} scale

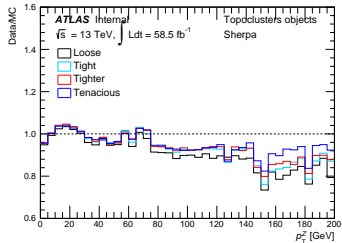
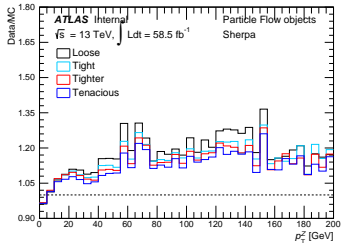
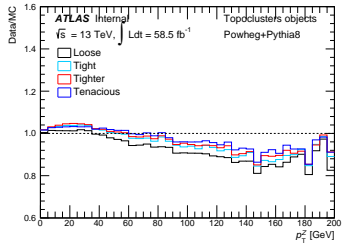
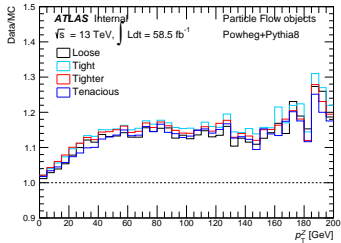
$Z \rightarrow \mu\mu$ events



The E_T^{miss} scale

$Z \rightarrow \mu\mu$ events: comparison of the MET working points

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Thank you!

