p_{T} spectra as a function of Multiplicity and Transverse Spherocity in pp collisions using a Bayesian Unfolding

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Change in Multiplicity Estimation

- So far we have use the COMBTPCITS 08 estimator, wich uses global tracklets from both detectors to obtain the measured probability.

- In order to obtain better results al low multiplicity, we substitute them by just the number of tracks counted in the acceptance in our kinematical cut ($p_T > 0.15$ GeV/c).

	mult08	**tracks**
N_{acc}	COMBTPCITS08 estimator	$p_T > 0.15$ GeV/c
N_{ch}	$p_T \geq 0$ GeV/c	$p_T > 0.15$ GeV/c

ALICE

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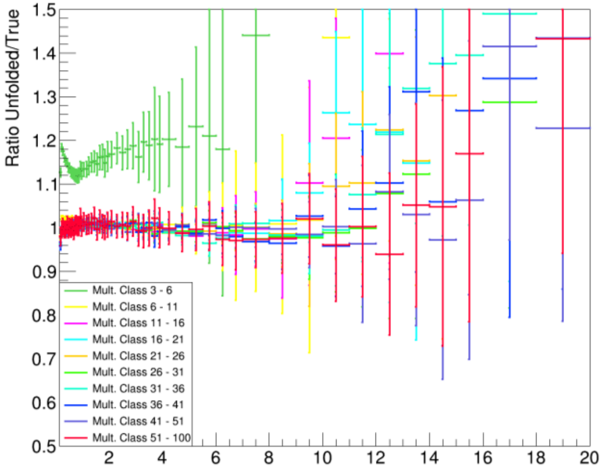
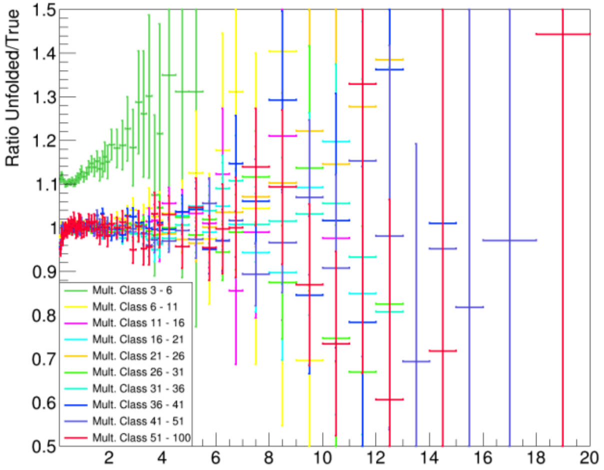
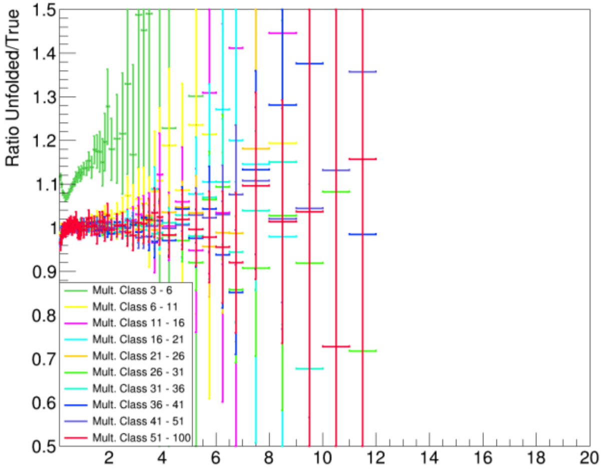
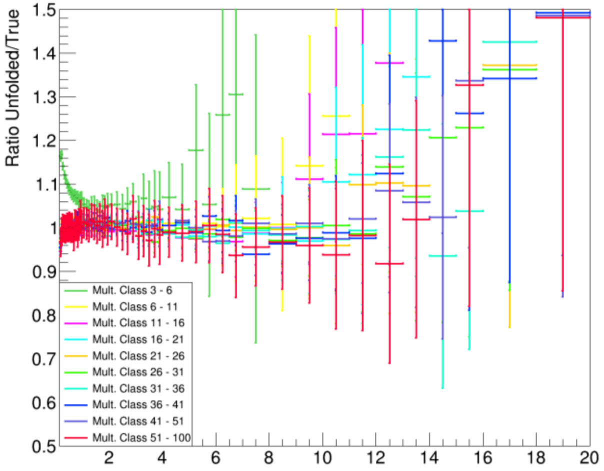
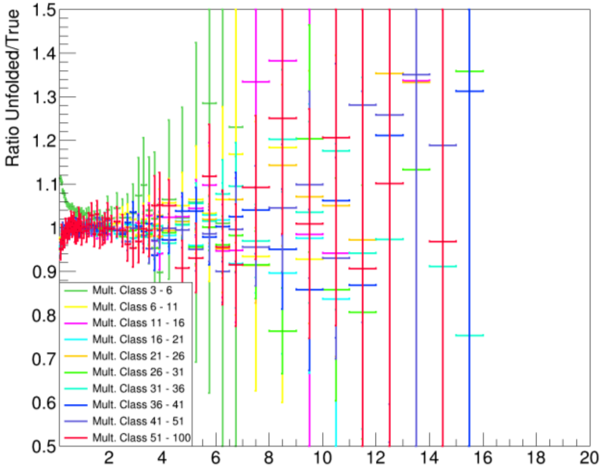
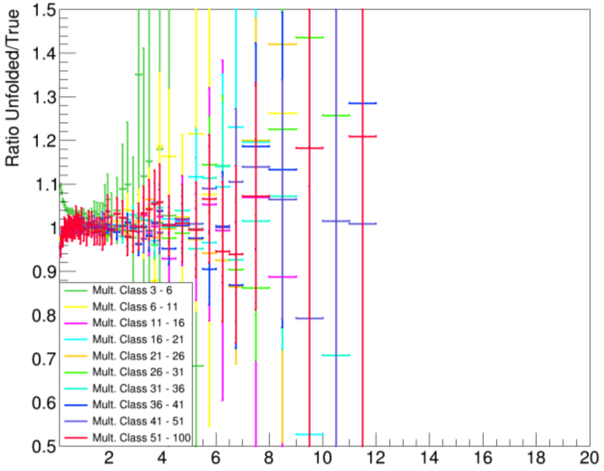
Invariant Yield Closure Test Comparison

	1° Spherocity Class	6° Spherocity Class	10° Spherocity Class
mult08			
tracks			

Mean pT as a function of Multiplicity Density

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- Last time, Antonio pointed the third rise in my unfolded results, with indicated a unfolding of the MC data instead of pp data, observation that was correct.

Mean pT as a function of Multiplicity Density

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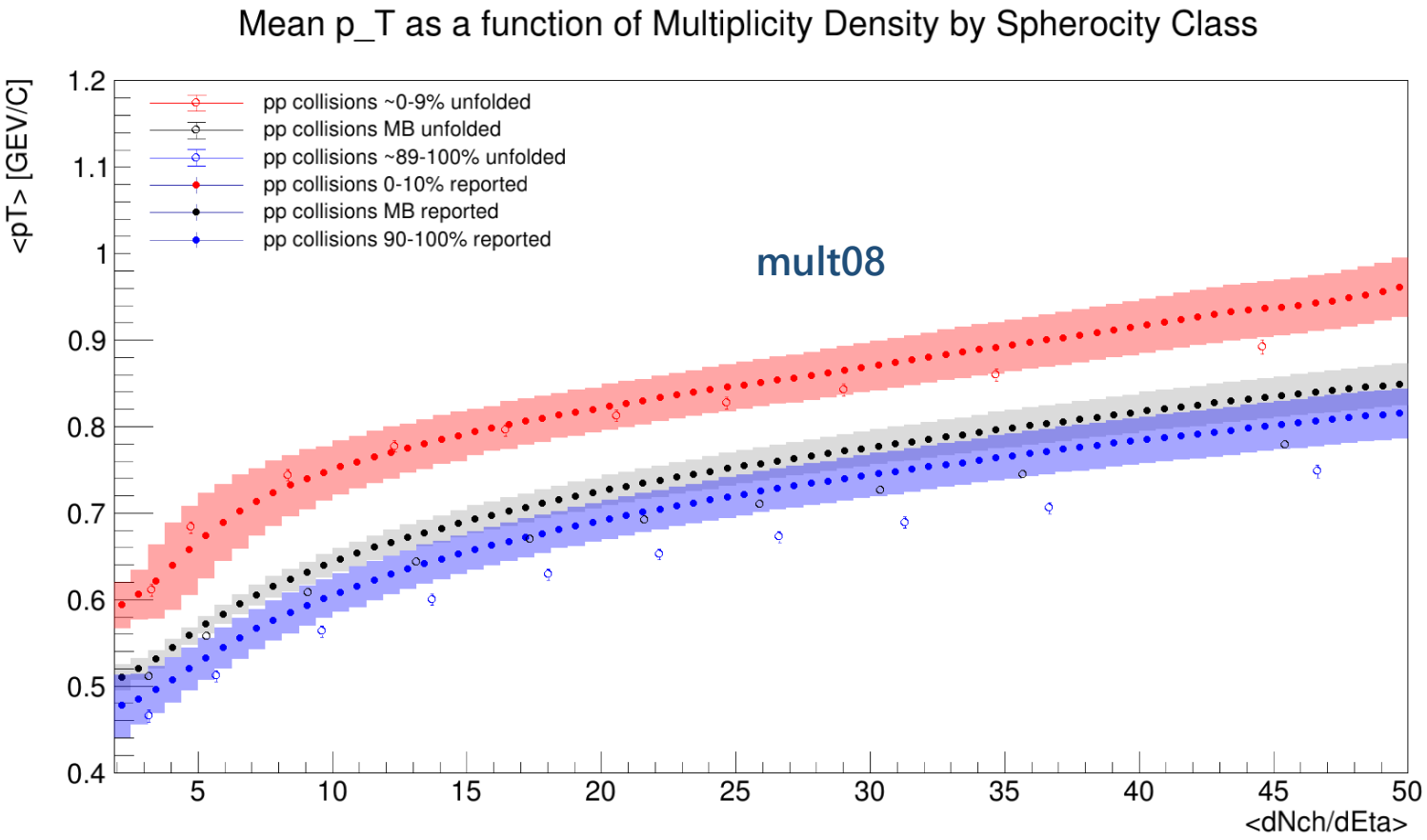

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- The error was corrected, for both cases, showing with a clear disagrement for the MB and Last Spherocity Class.

Mean pT as a function of Multiplicity Density

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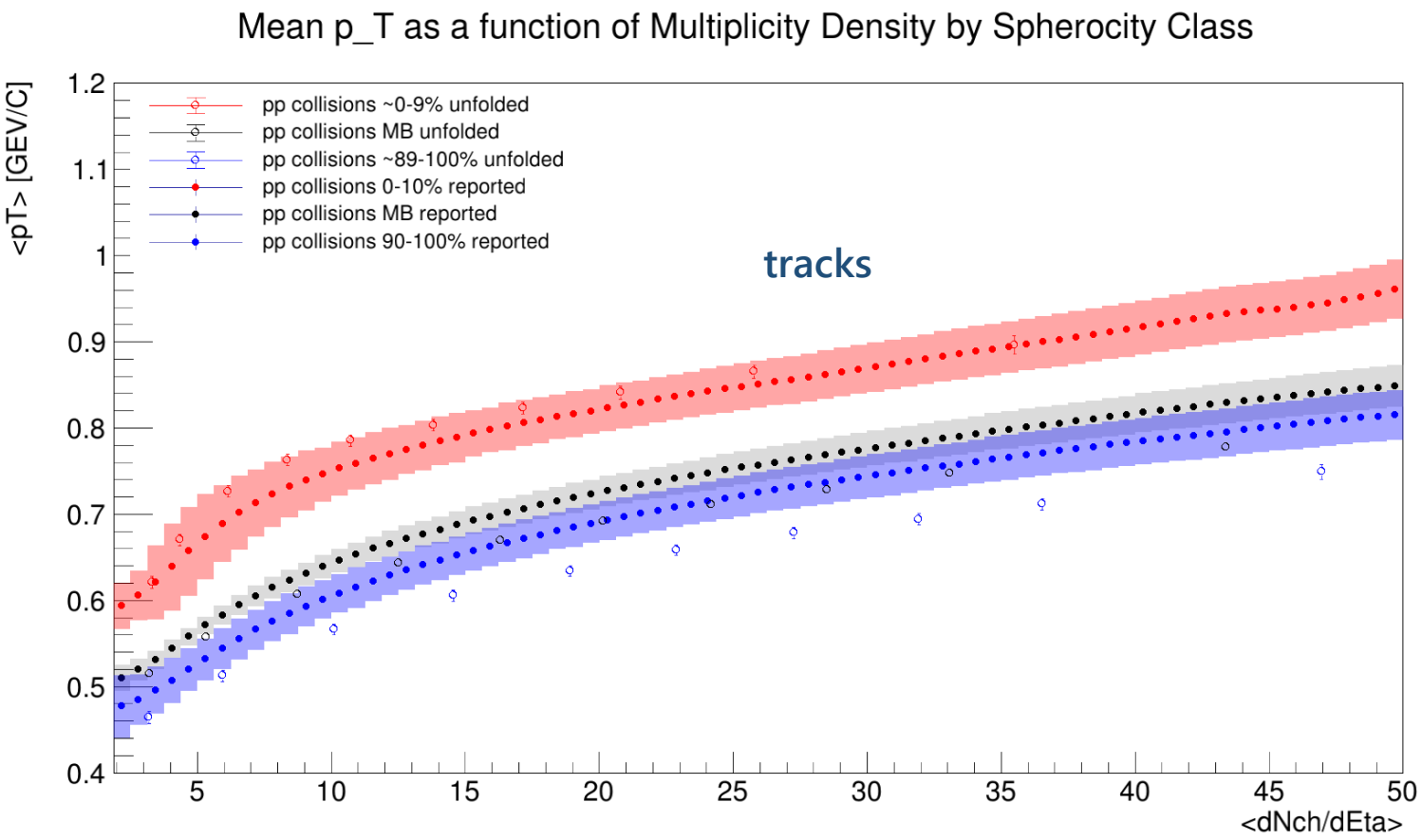

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Conclusions

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- Continue to revise the mean pT cross check. Particularly the fit.