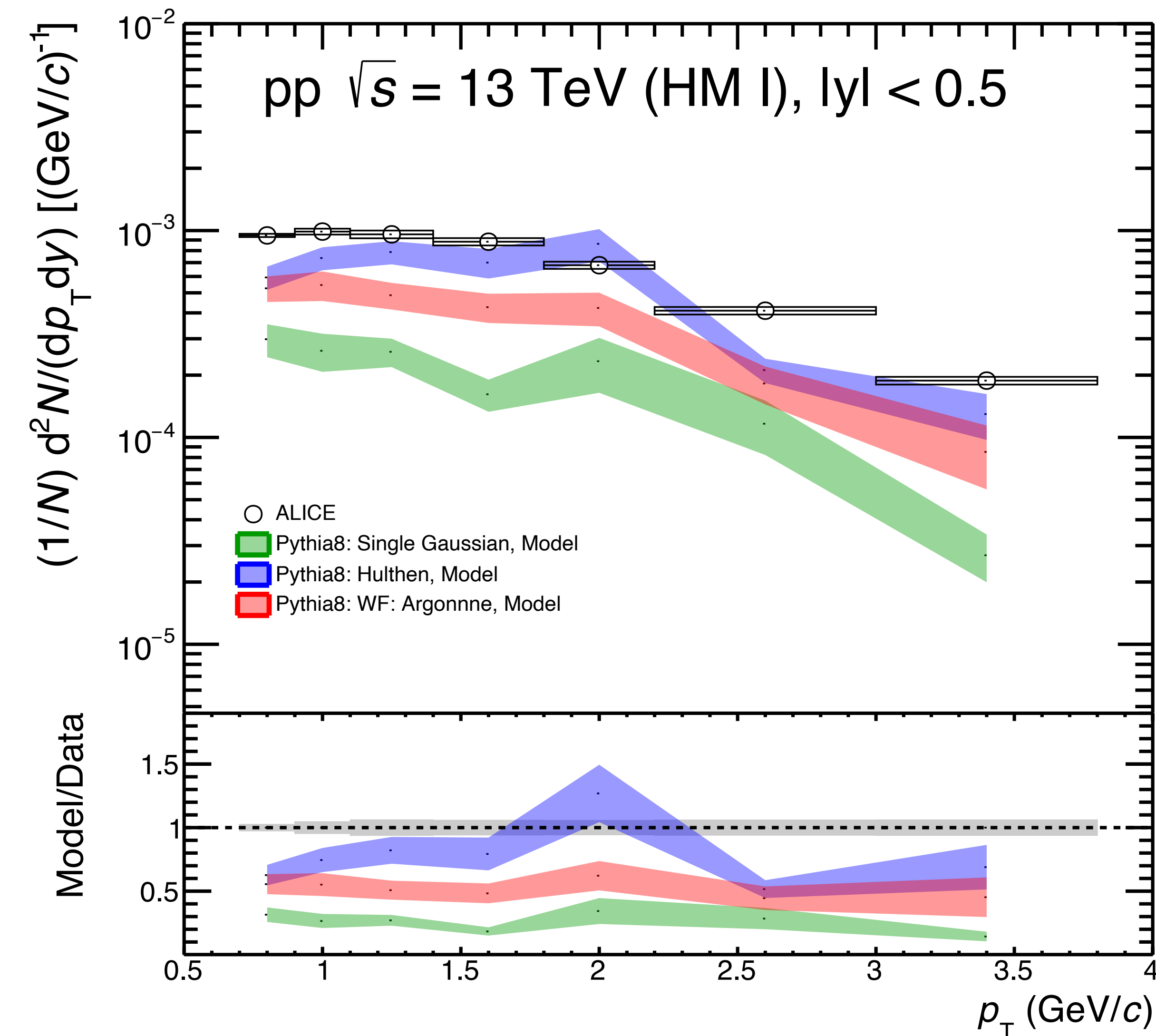




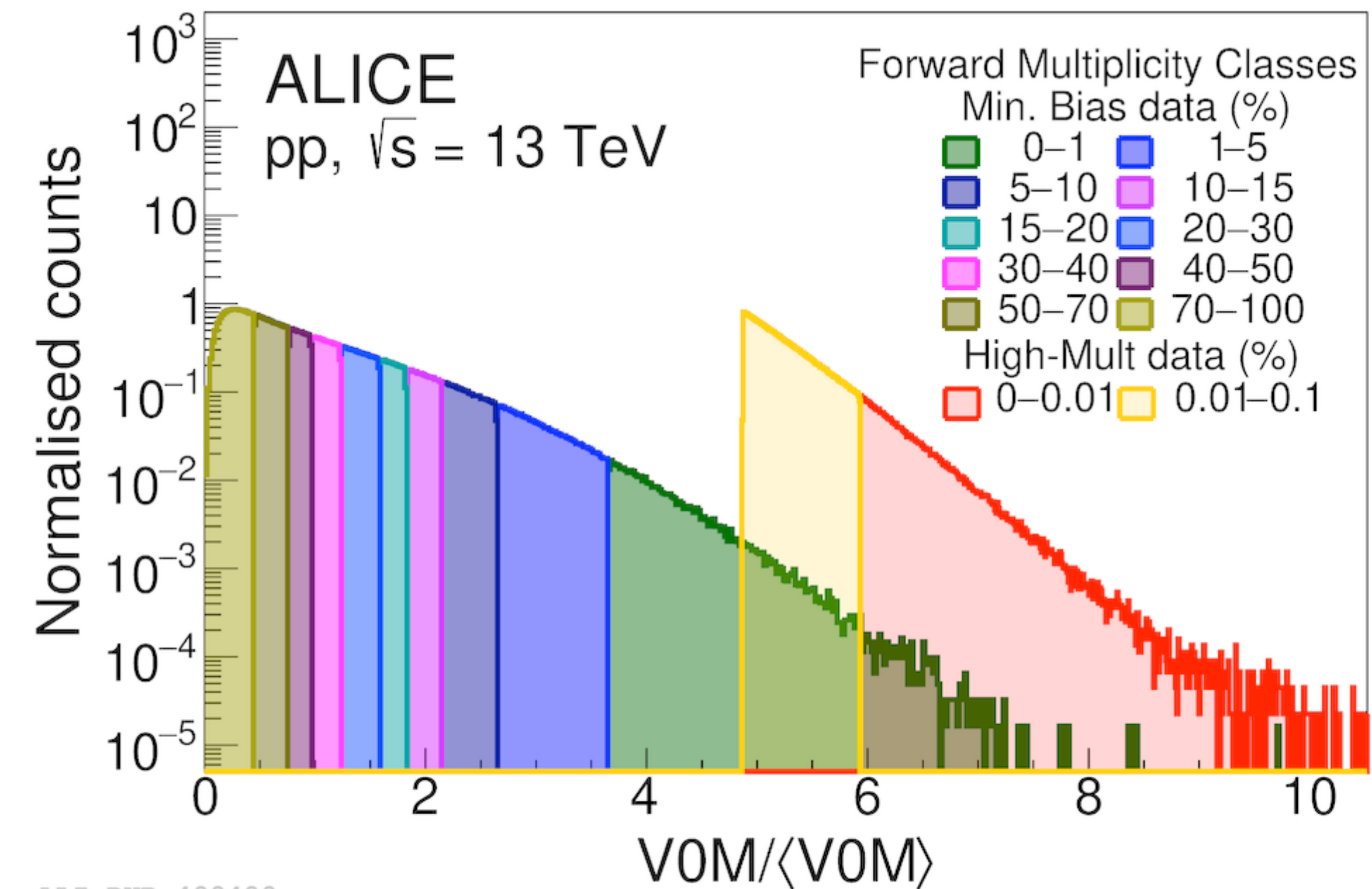
Deuteron spectra



- Now moved to separate codes for each Wigner functions $\rightarrow$ No significant changes observed in Pythia with respect to the results shown last time
- Several crosschecks are done and the algorithm used in the code is quite robust.
- All the possible issues were ruled out except the following two wrt EPOS:
 - The difference in Multiplicity distributions
 - Angular distributions
- Retrieving complete statistics from the INFN cluster



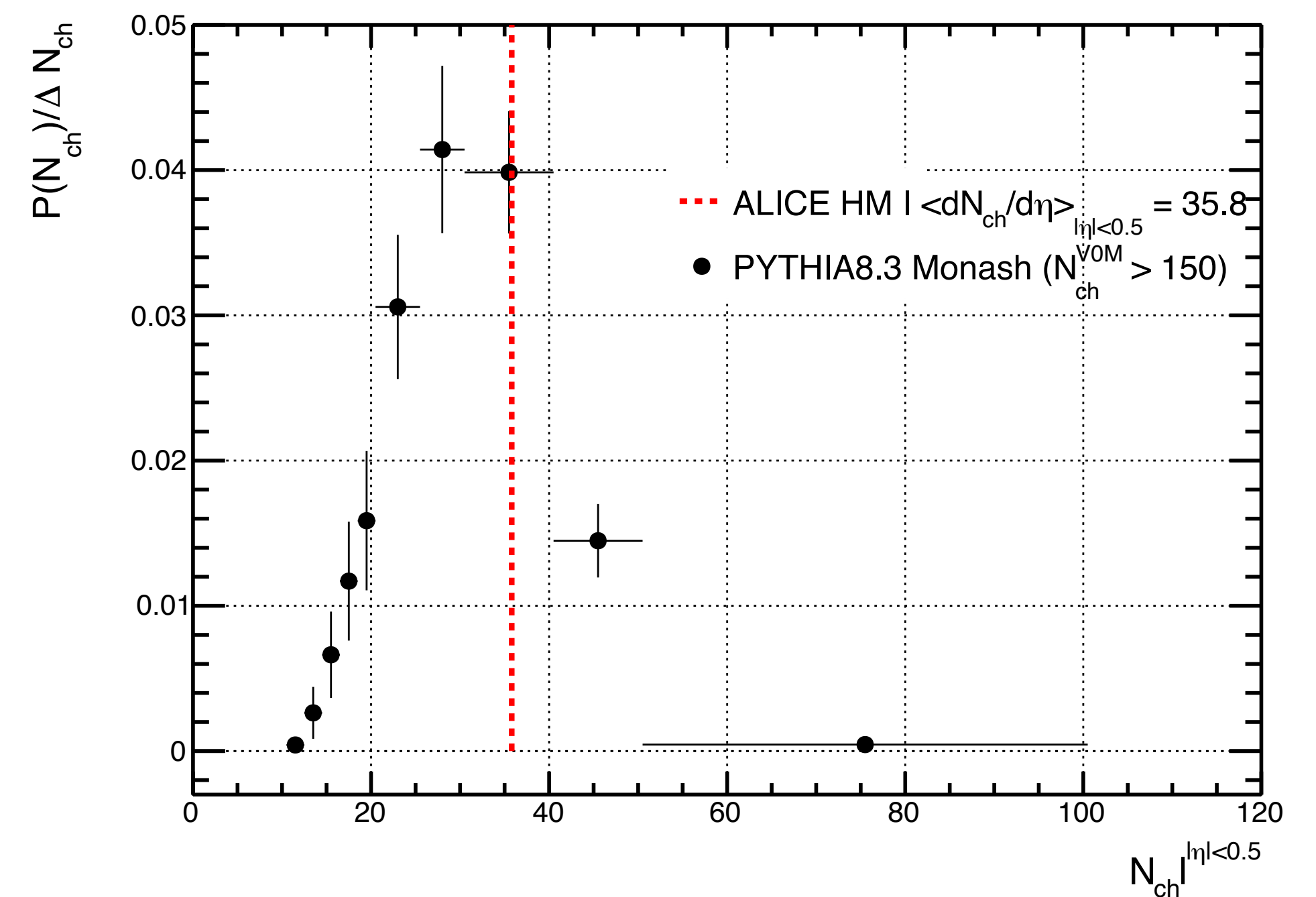
HM trigger mult. distribution



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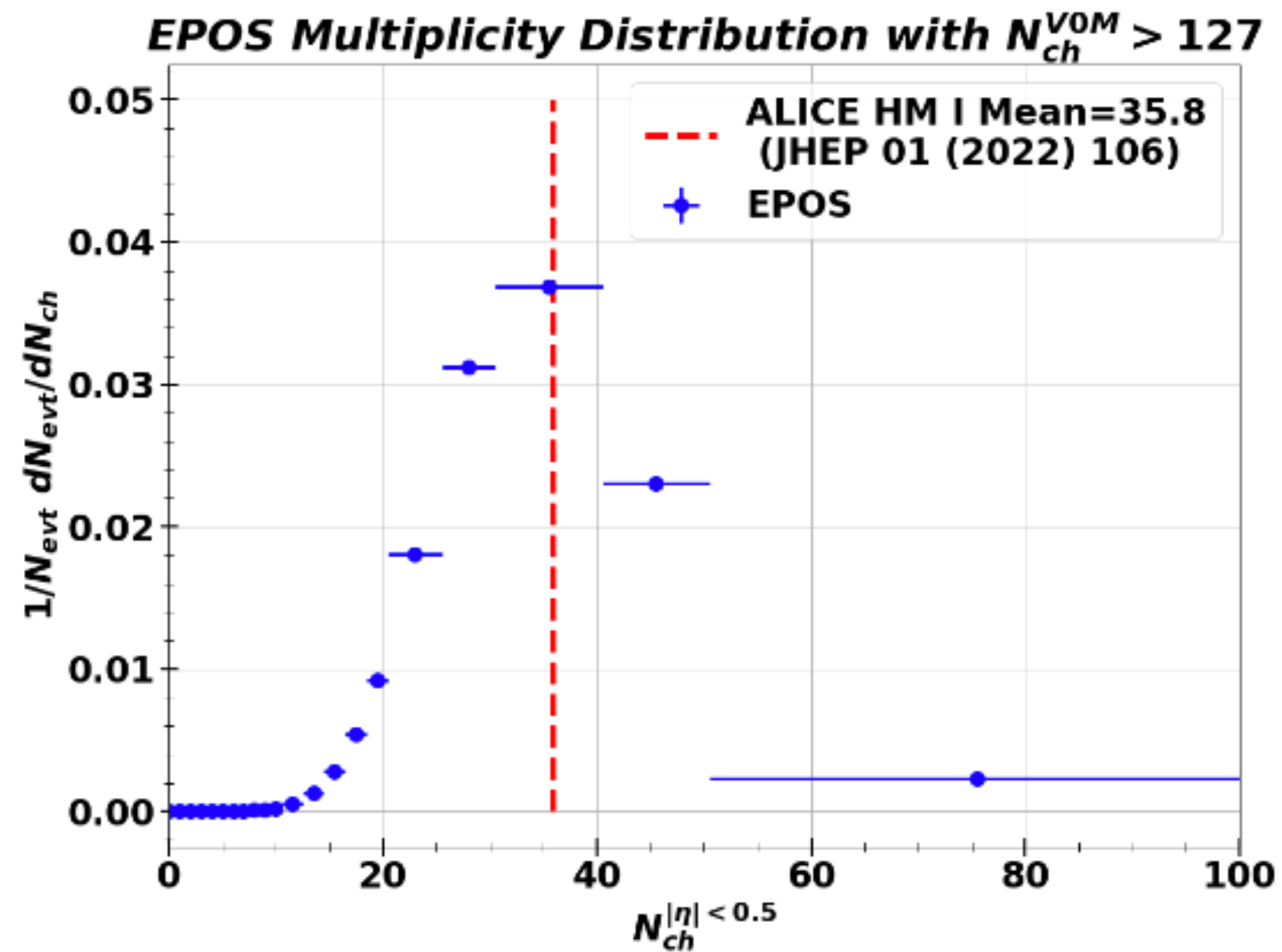
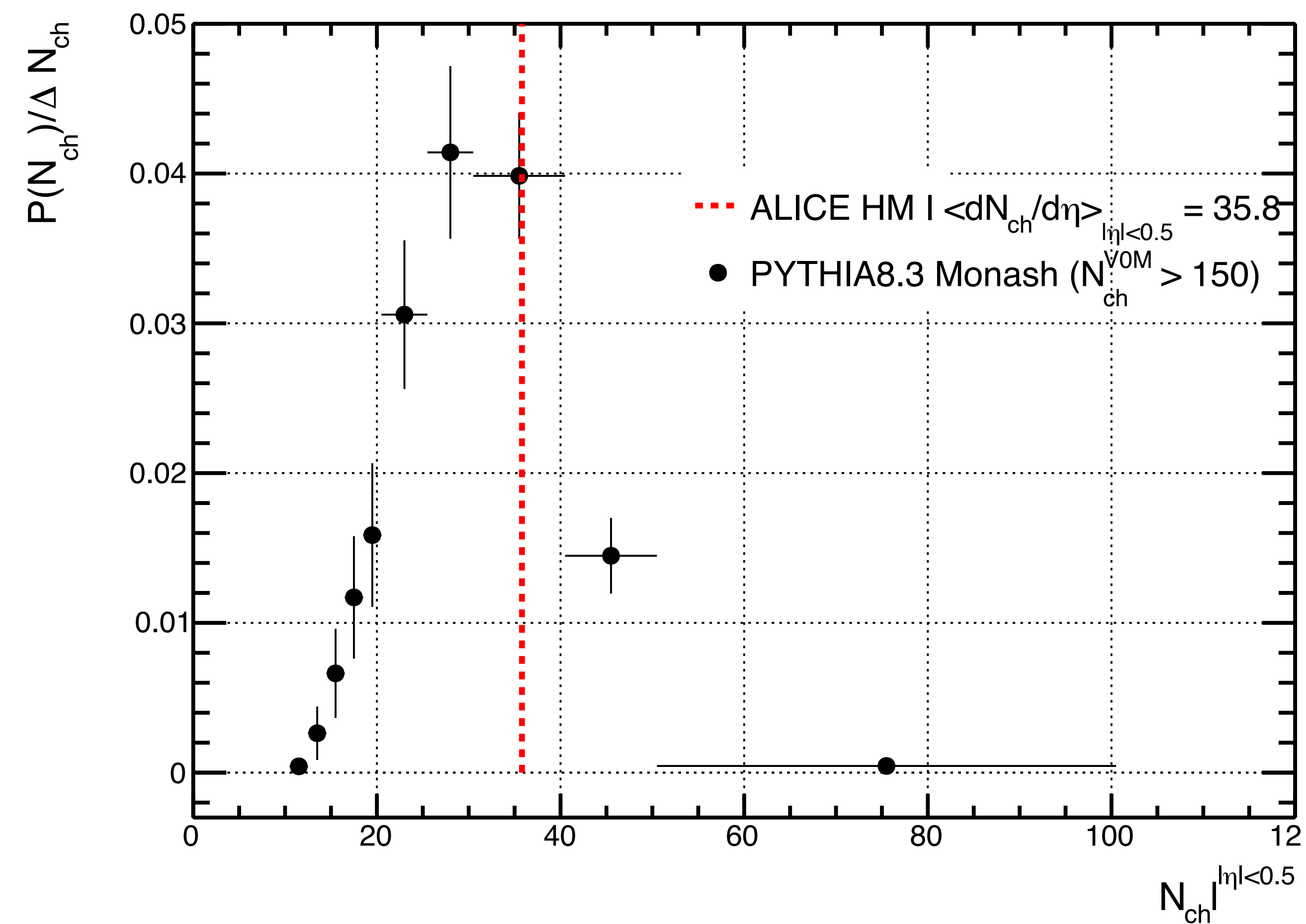
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	Forward Multiplicity Estimator		
	$\sqrt{s}$ (TeV)		
	5.02	7	13
$\Delta\sigma / \sigma_{\text{MB AND} \geq 0}$	$\langle dN_{\text{ch}}/d\eta \rangle \pm \text{uncorrelated systematic uncert}$		
0–0.01%	$24.53 \pm 0.23 \pm 0.31$	$29.13 \pm 0.25 \pm 0.44$	$35.82 \pm 0.33 \pm 0.33$
0.01–0.05%	$22.42 \pm 0.21 \pm 0.23$	$26.27 \pm 0.23 \pm 0.30$	$32.21 \pm 0.29 \pm 0.29$
0.05–0.1%	$21.14 \pm 0.20 \pm 0.22$	$24.70 \pm 0.22 \pm 0.25$	$30.13 \pm 0.27 \pm 0.27$
0.01–0.1%	$21.71 \pm 0.20 \pm 0.21$	$25.40 \pm 0.22 \pm 0.26$	$31.05 \pm 0.28 \pm 0.28$





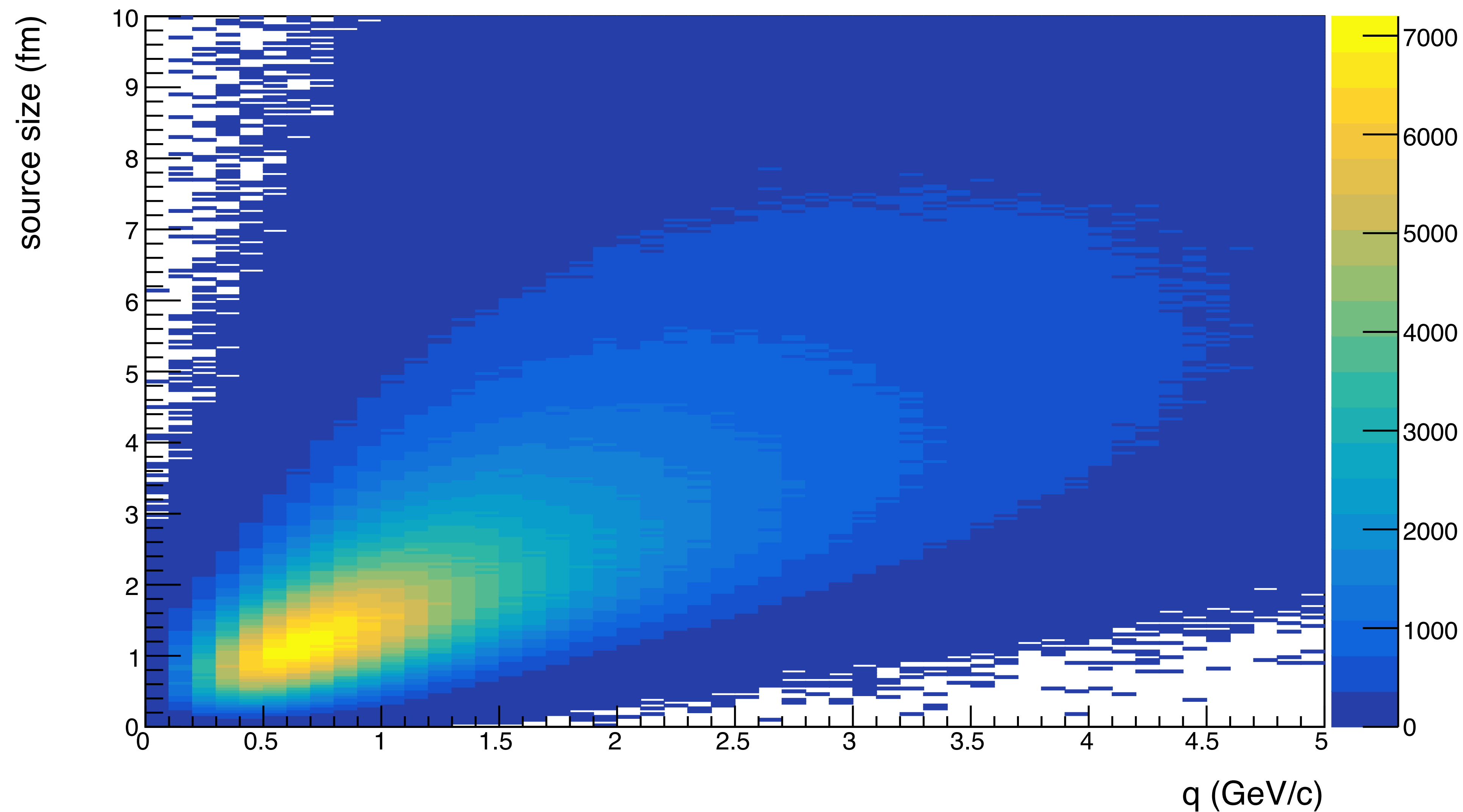
Multiplicity





Source size vs q correlation

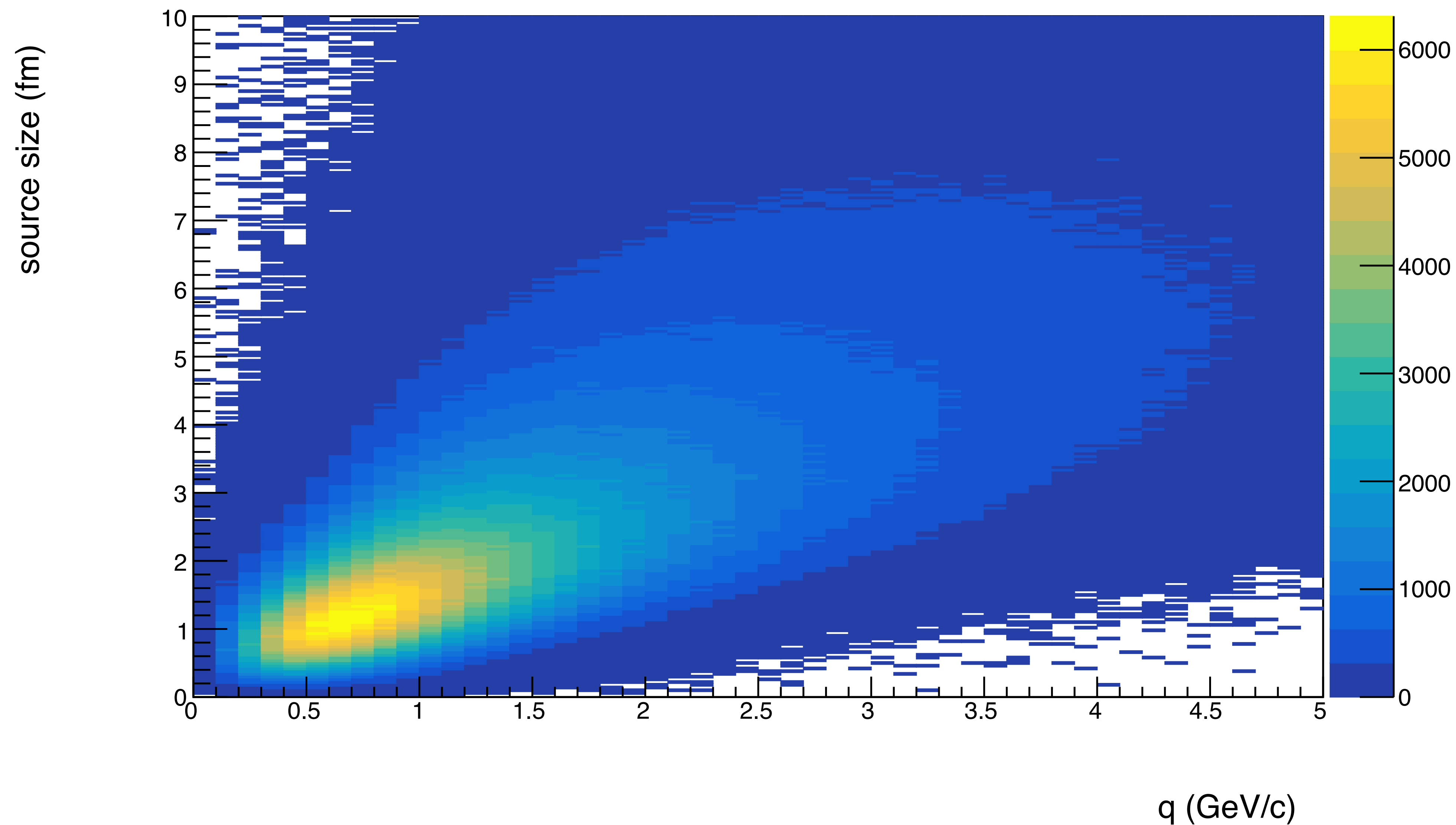
deuteron





Source size vs q correlation

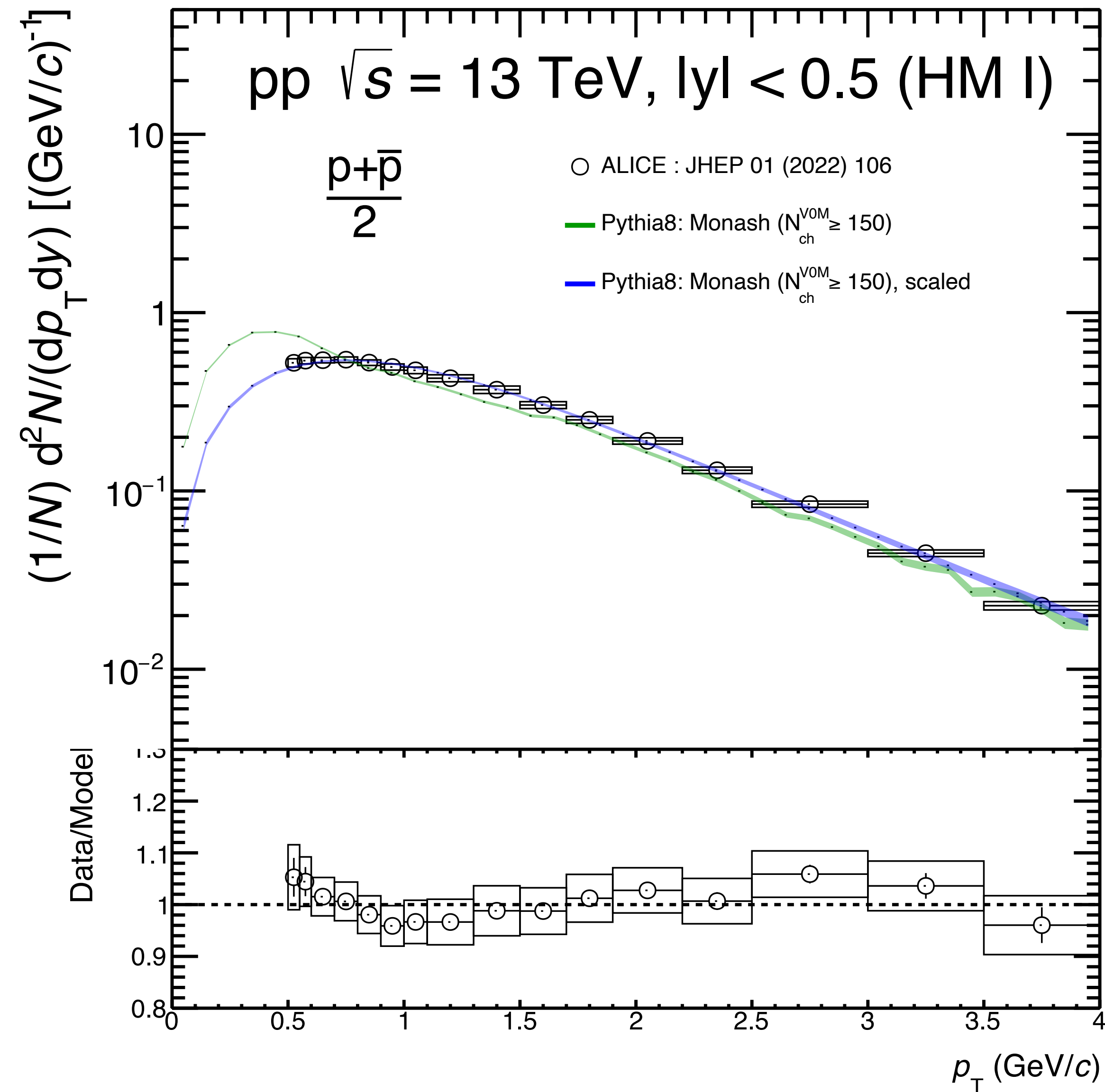
anti-deuteron





Proton spectra

pp, 13 TeV (HM)





Deuteron spectra

