

UPDATE

Probing Scaling Properties of the Underlying Event in pp Collisions from $\sqrt{s} = 0.9$ to 13 TeV

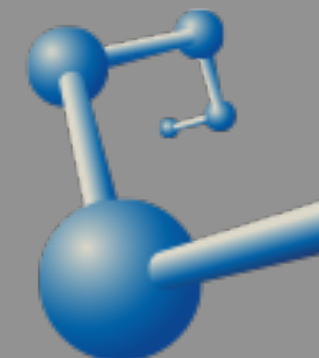
Feng Fan (CCNU)

with Antonio Ortiz Velásquez and Daicui Zhou



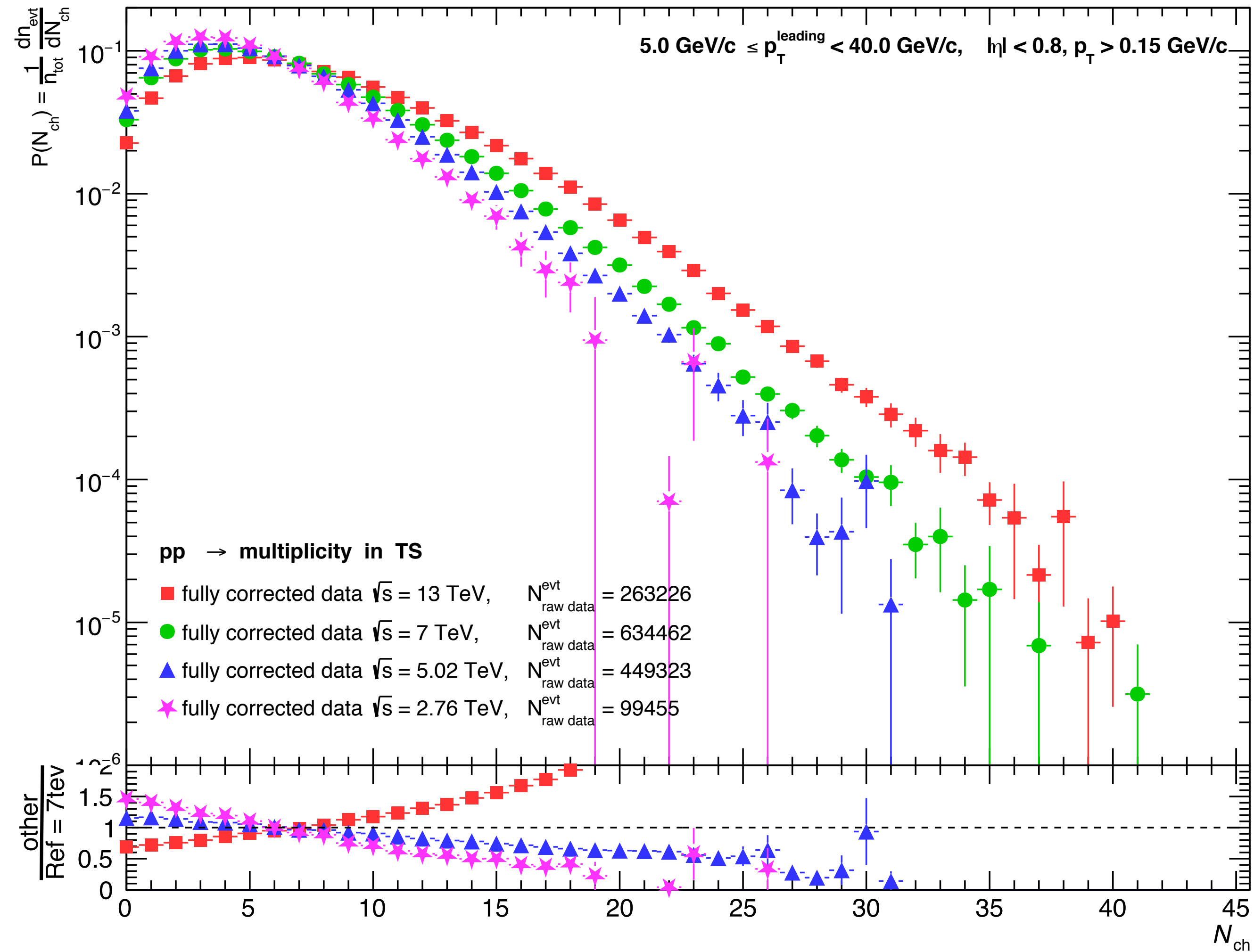
華中師範大學
CENTRAL CHINA NORMAL UNIVERSITY

Instituto de Ciencias Nucleares UNAM



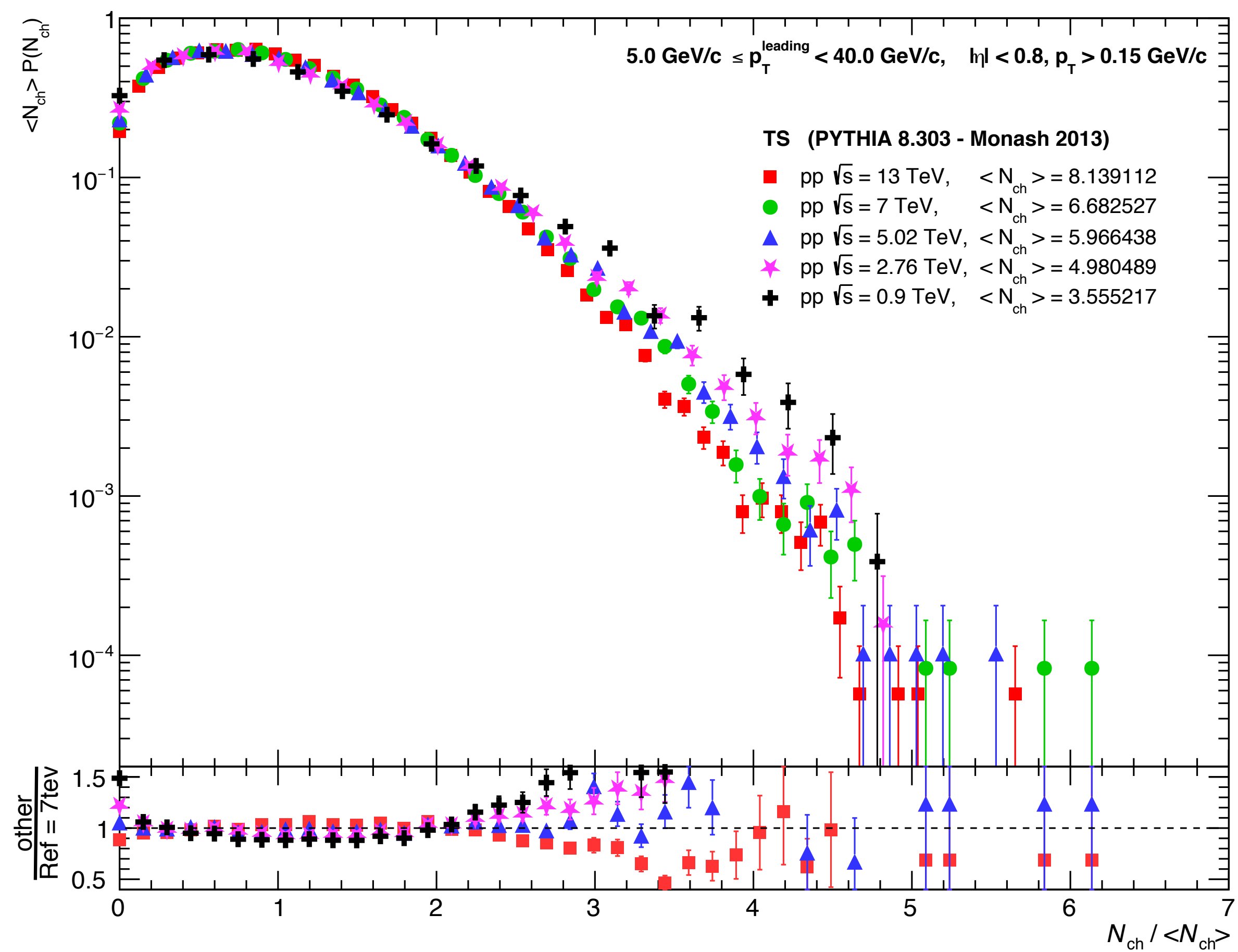
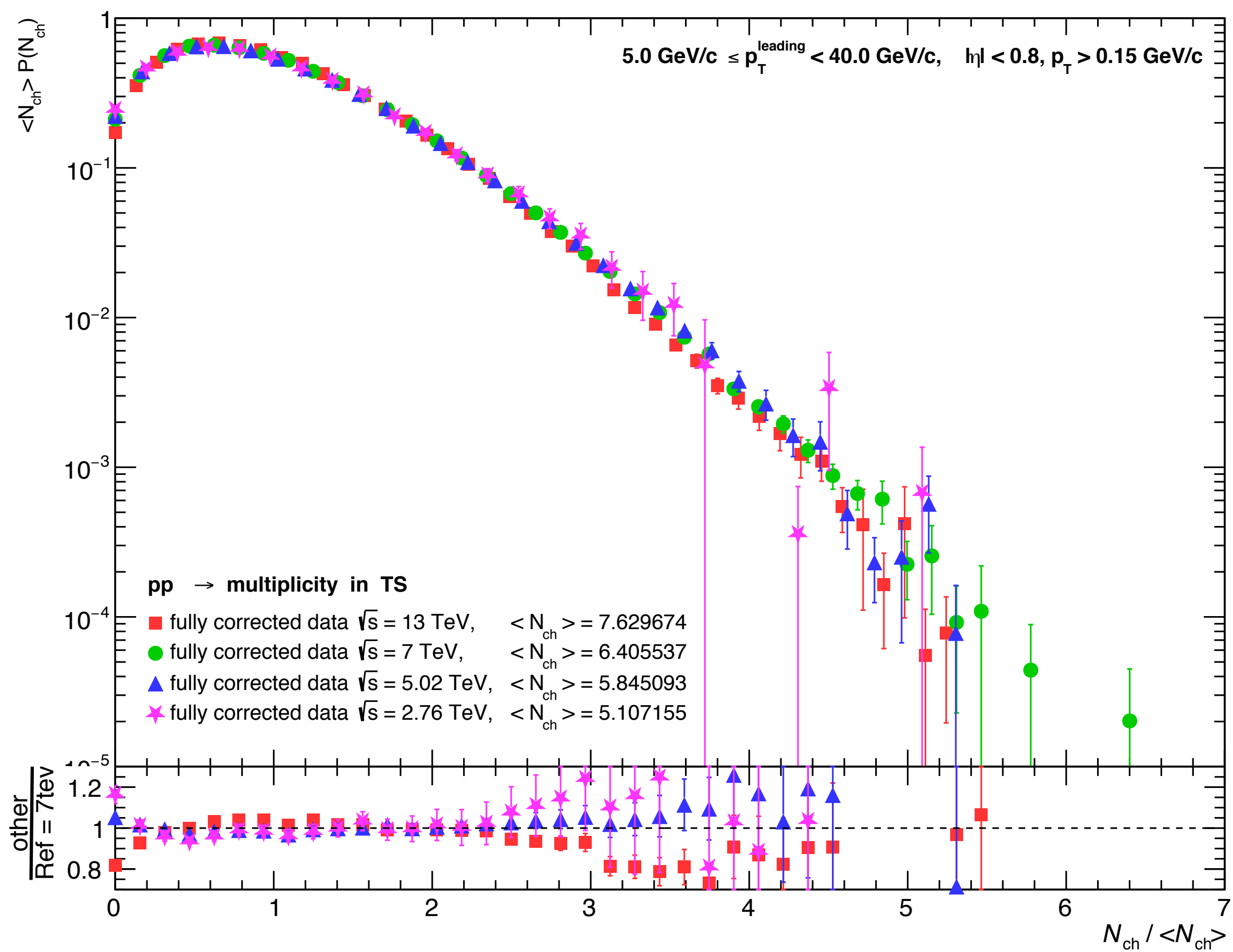
ALICE

Fully Corrected Data for Multiplicity in TS



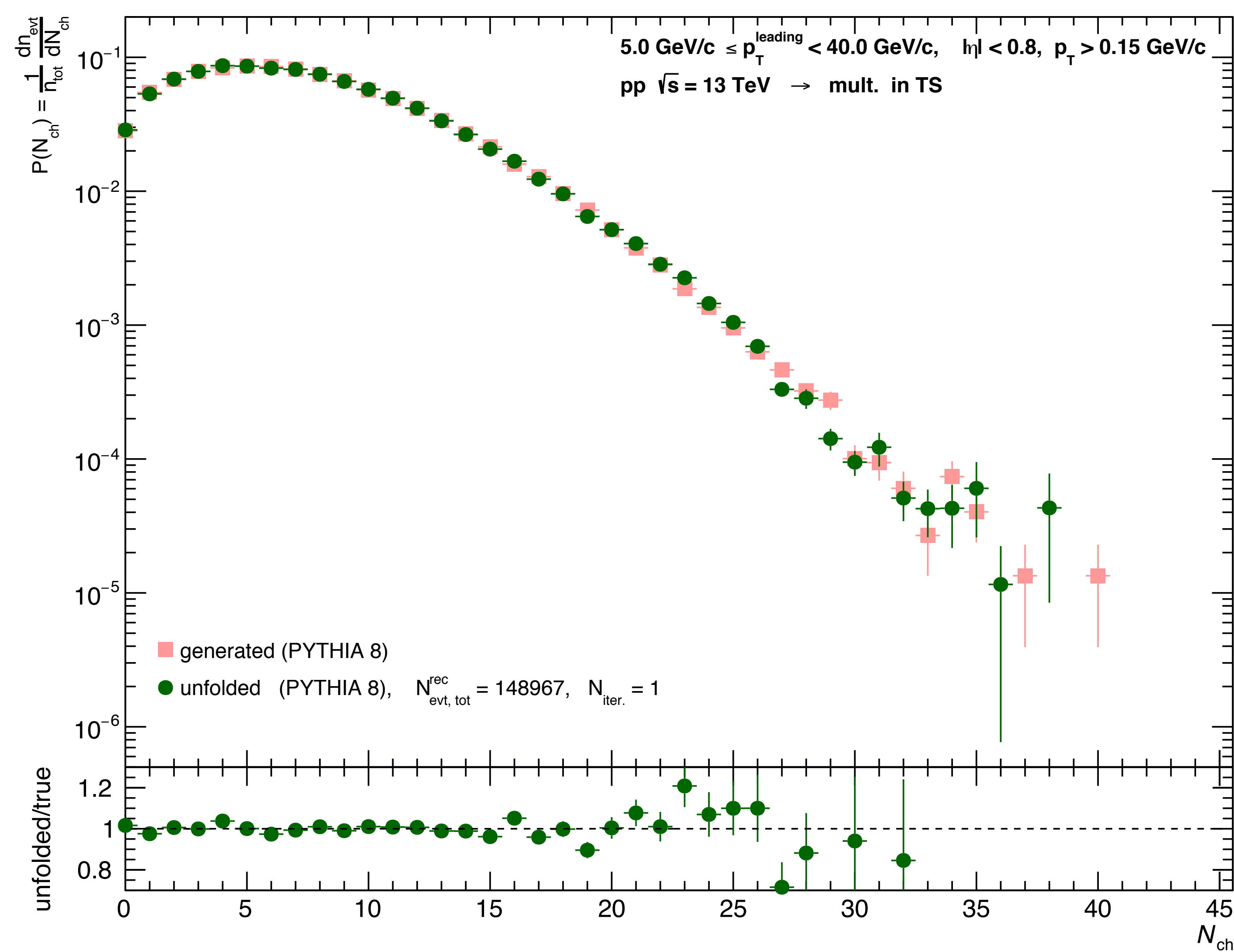
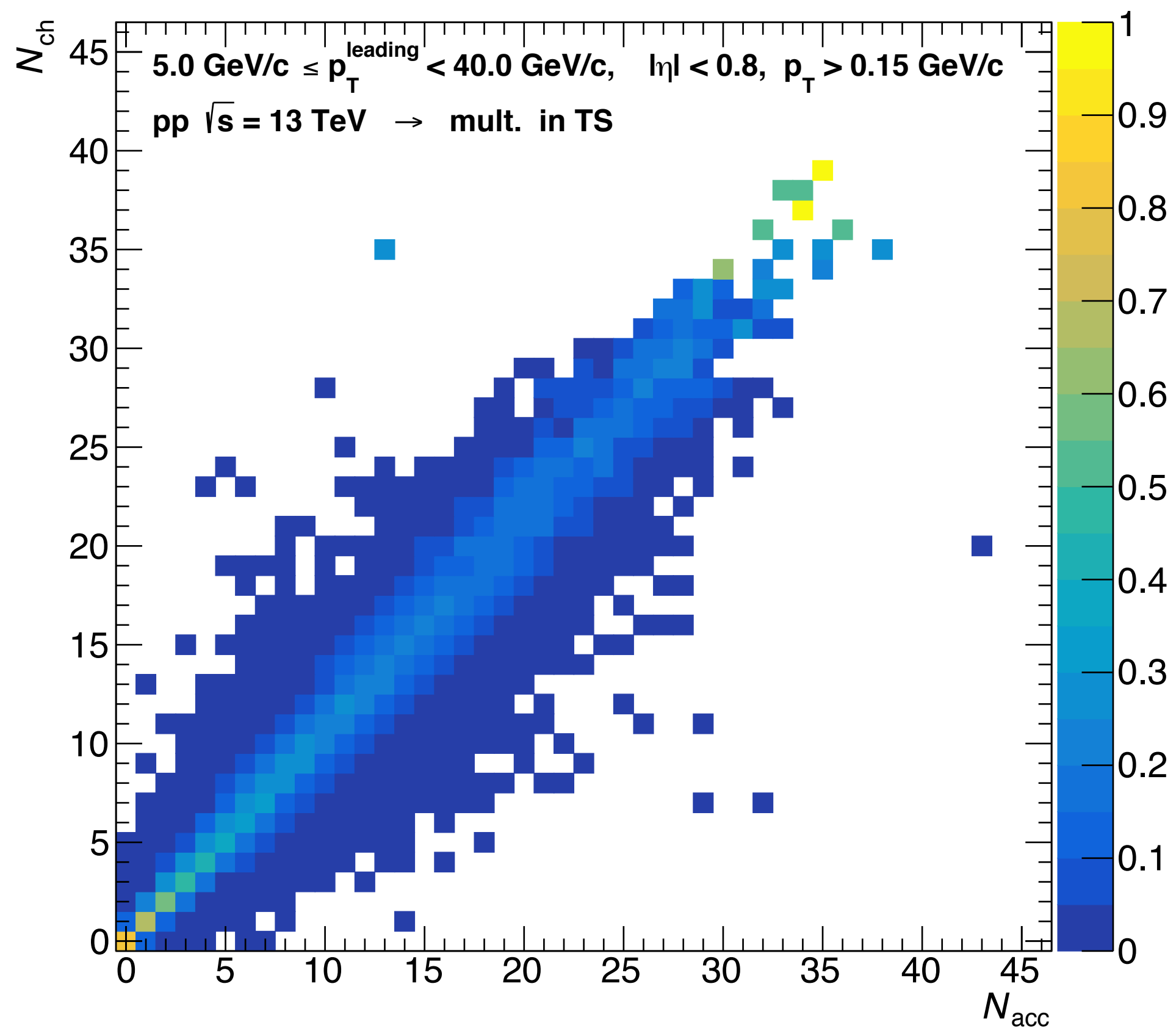
- Raw data as initial guess in the unfolding process
- $5.0 \leq p_T^{\text{leading}} < 40.0$ GeV/c, $p_T > 0.15$ GeV/c

KNO Variable in TS



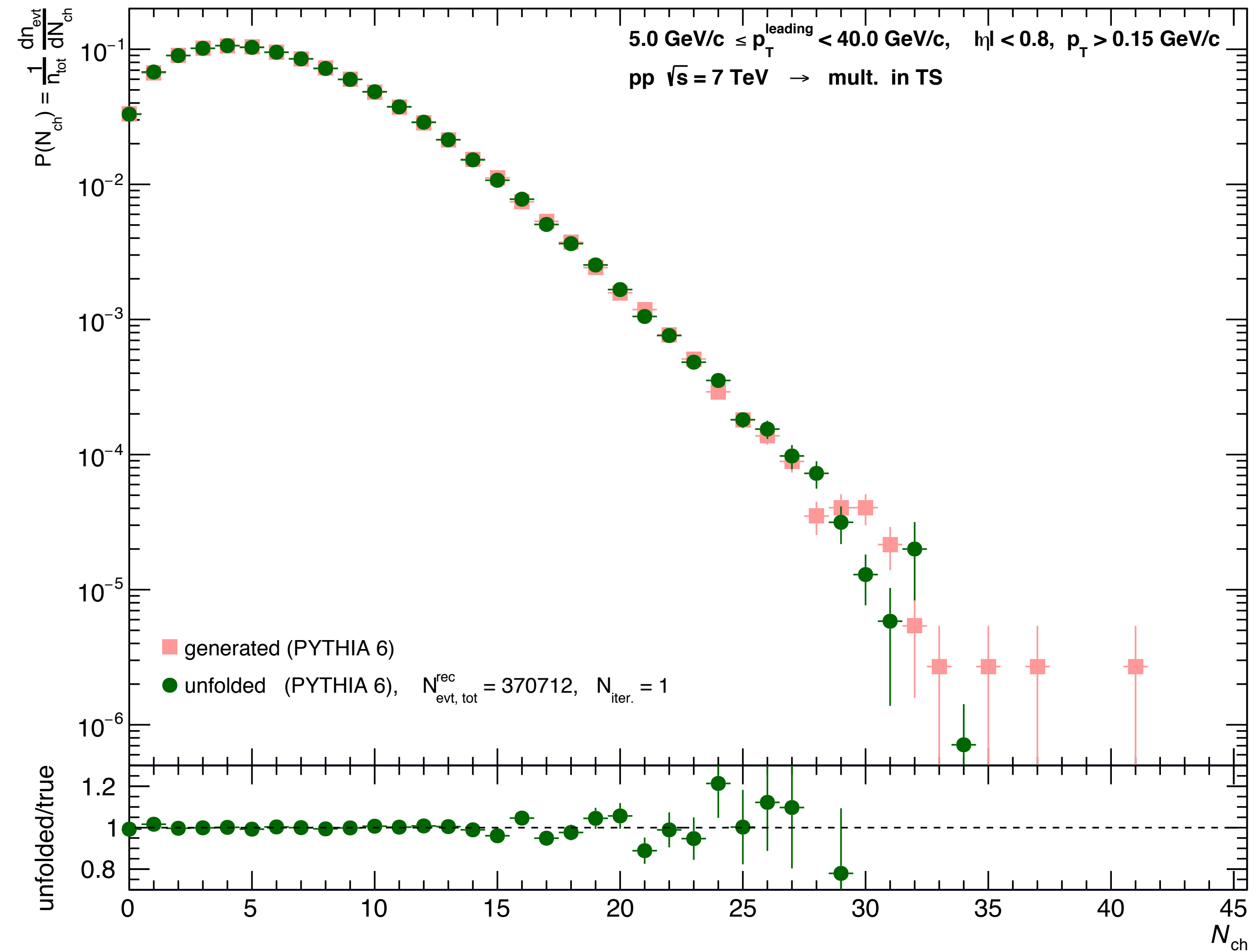
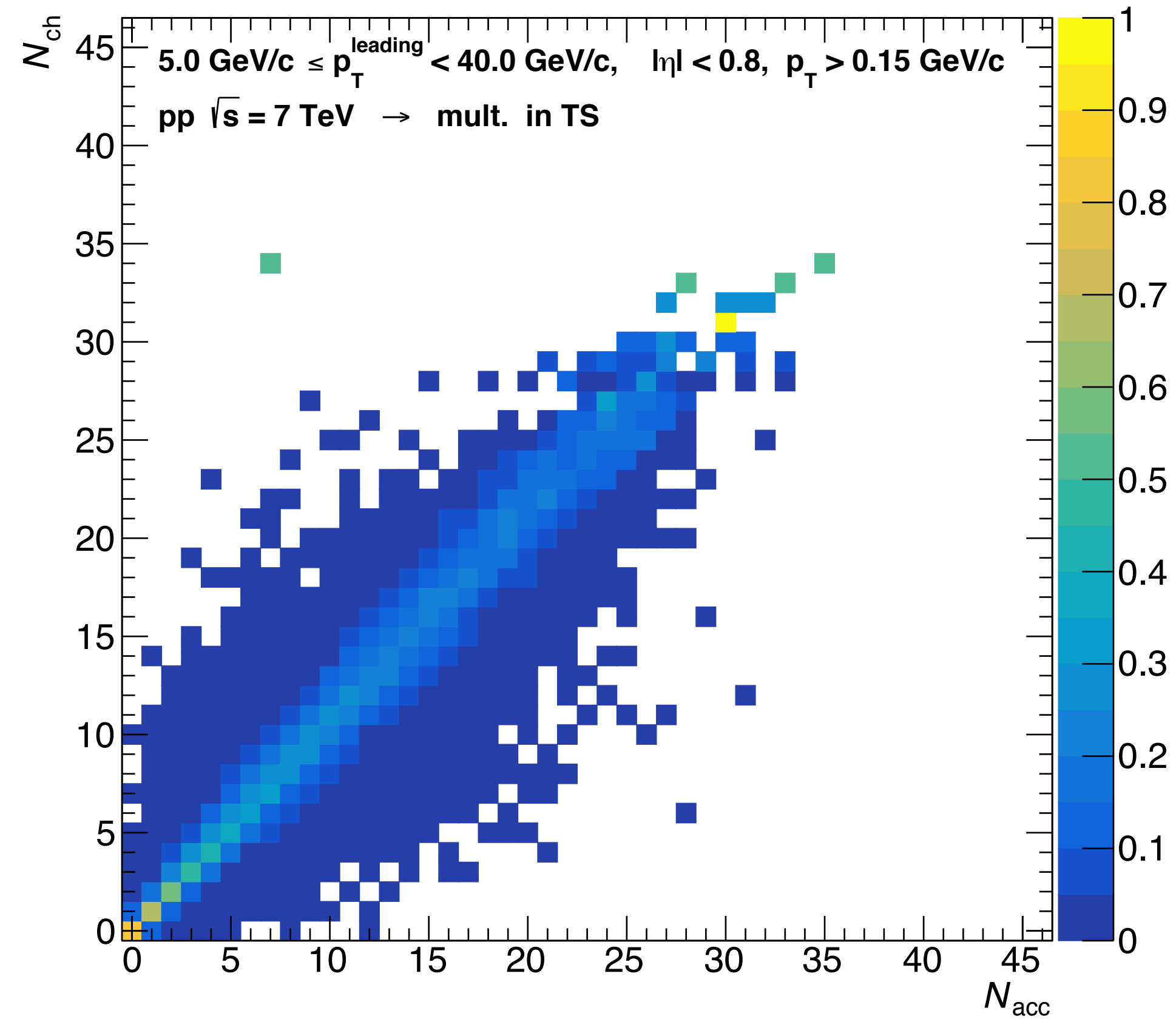
BACKUP

MC Closure Test for Multiplicity in TS (pp, 13TeV)



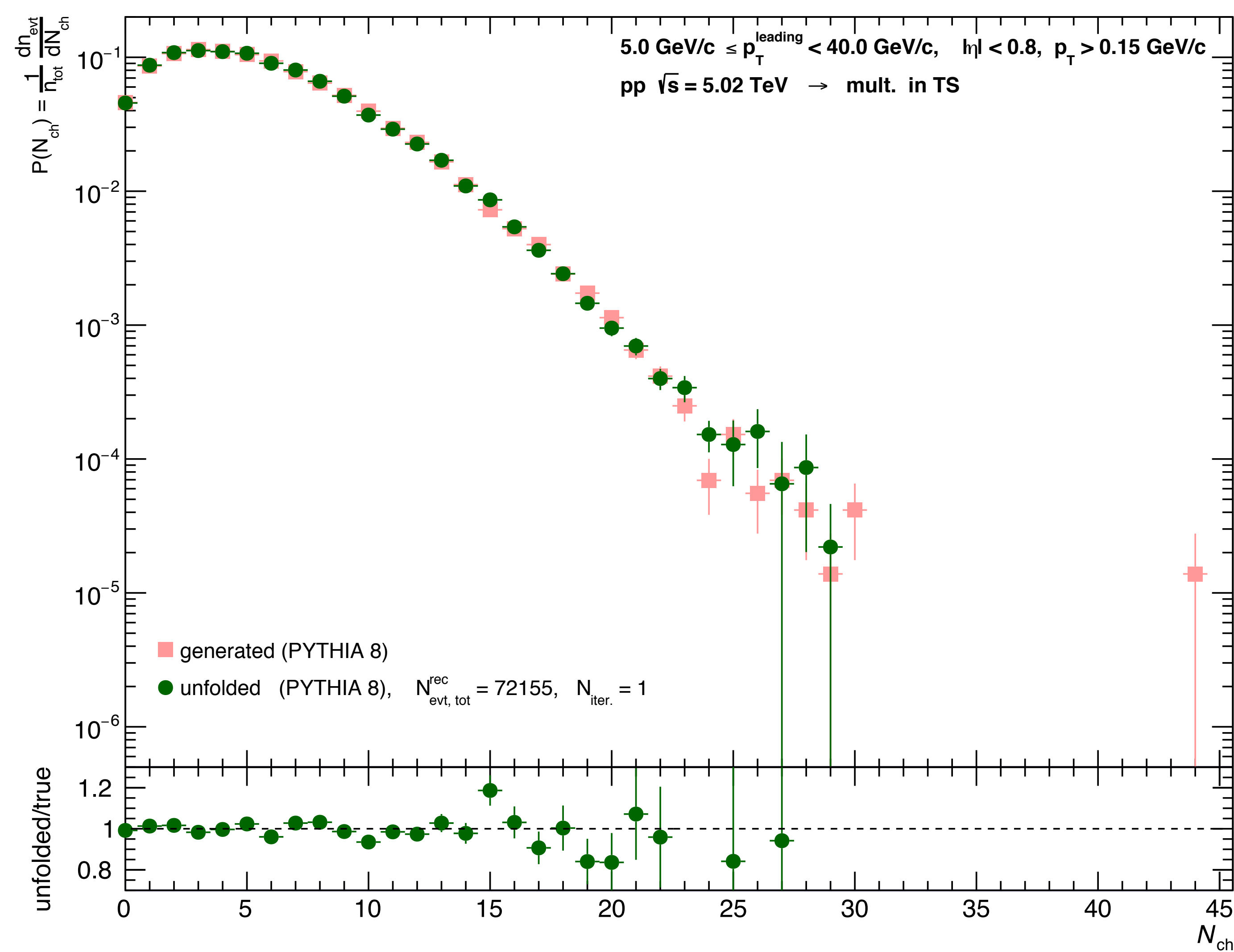
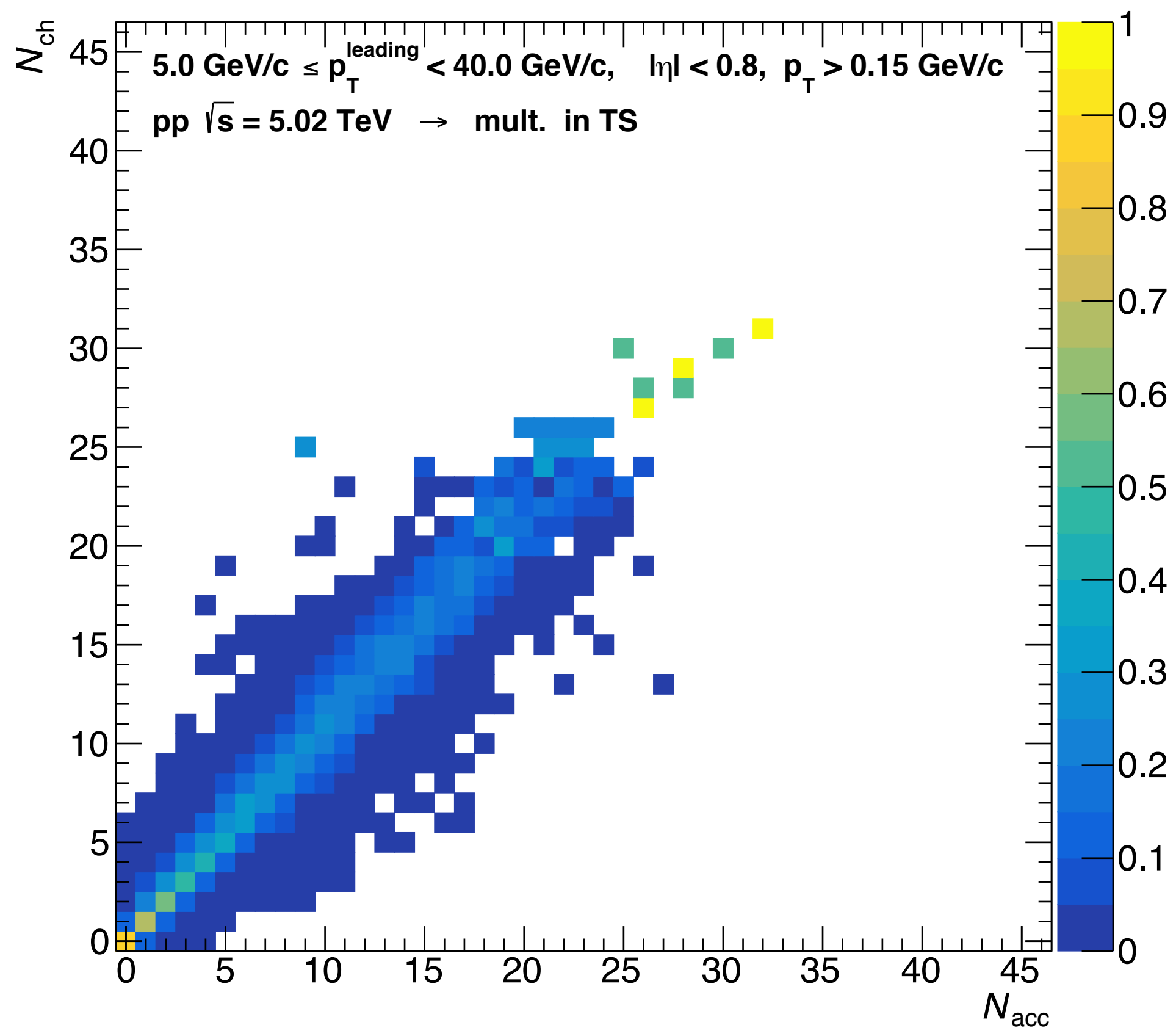
- Raw data as initial guess in the unfolding process
- $5.0 \leq p_T^{\text{leading}} < 40.0 \text{ GeV}/c$, $p_T > 0.15 \text{ GeV}/c$

MC Closure Test for Multiplicity in TS (pp, 7TeV)



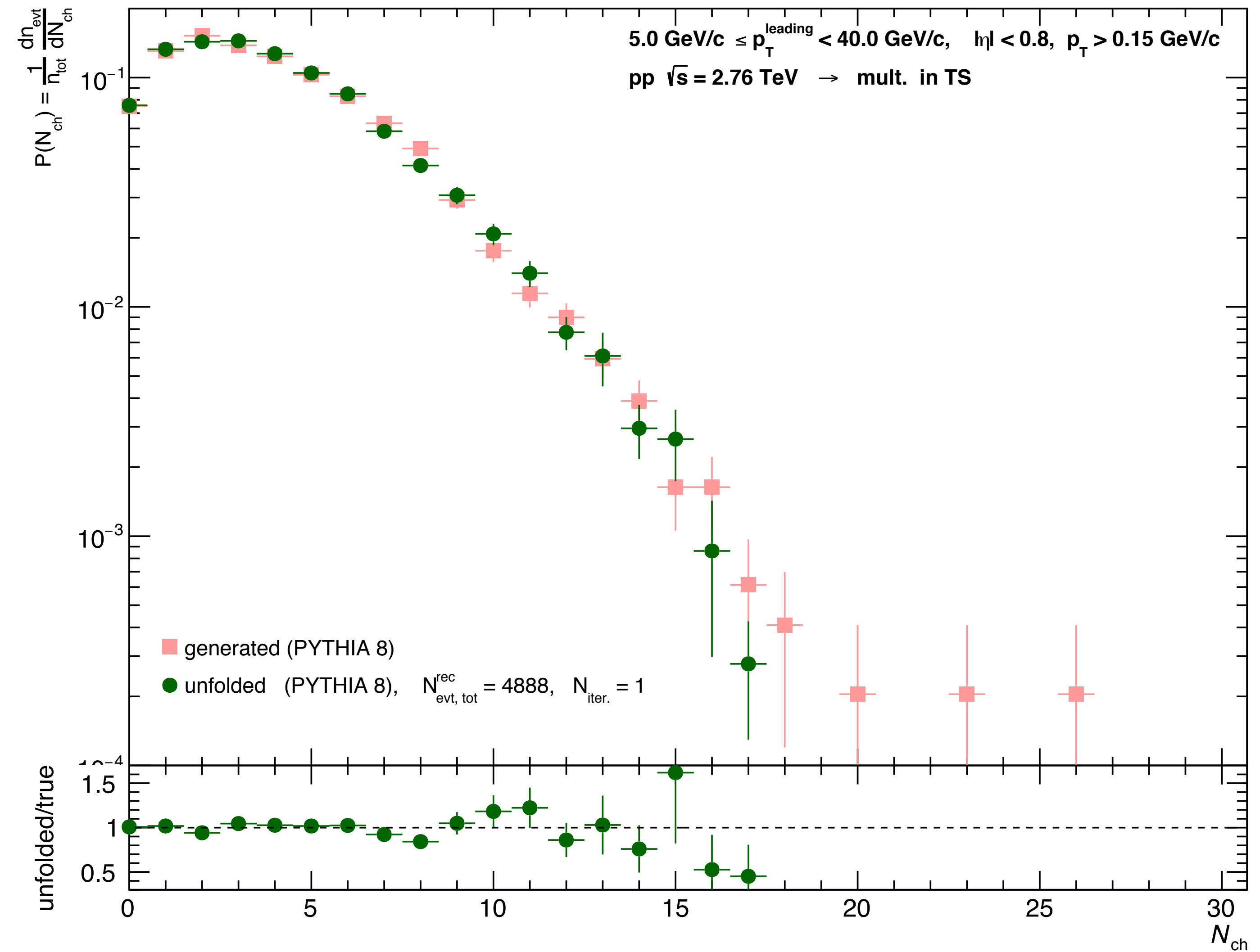
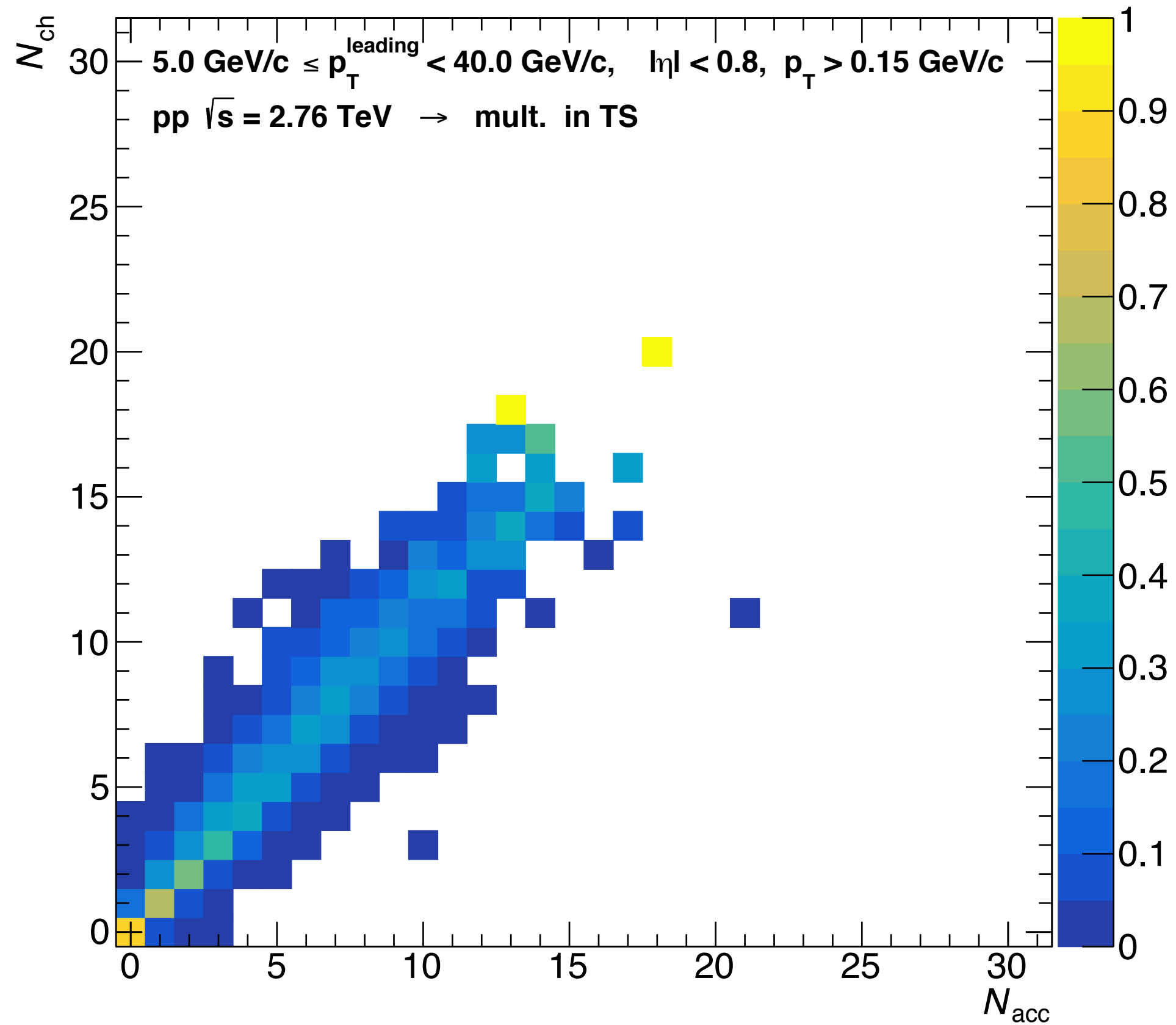
- Raw data as initial guess in the unfolding process
- $5.0 \leq p_T^{leading} < 40.0$ GeV/c, $p_T > 0.15$ GeV/c

MC Closure Test for Multiplicity in TS (pp, 5TeV)



- Raw data as initial guess in the unfolding process
- $5.0 \leq p_T^{leading} < 40.0 \text{ GeV}/c, p_T > 0.15 \text{ GeV}/c$

MC Closure Test for Multiplicity in TS (pp, 2.76TeV)



- Raw data as initial guess in the unfolding process
- $5.0 \leq p_T^{leading} < 40.0$ GeV/c, $p_T > 0.15$ GeV/c