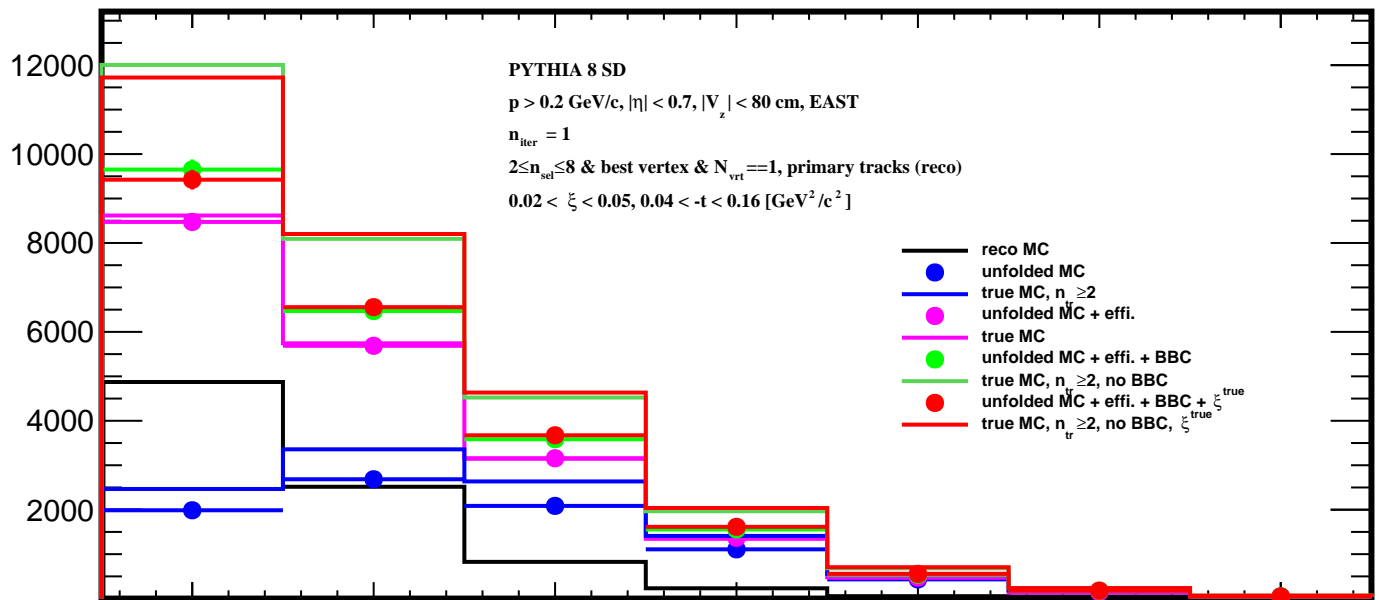
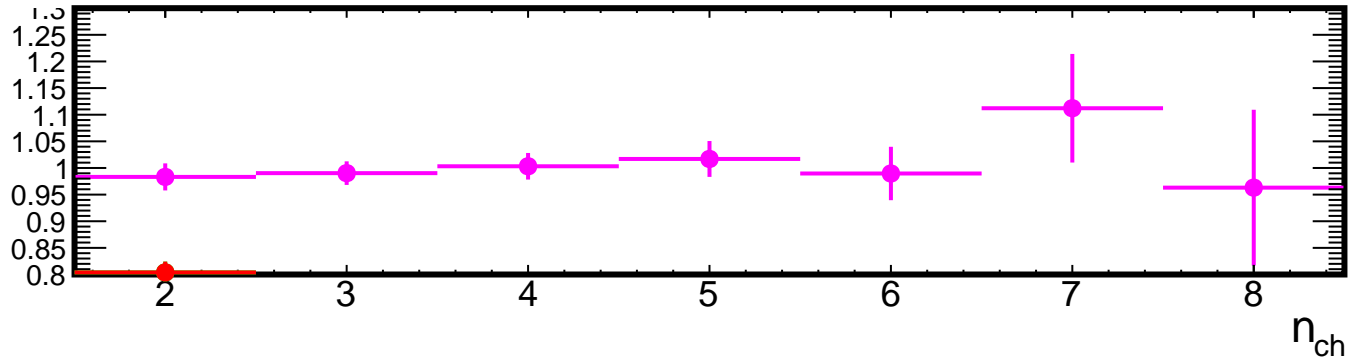
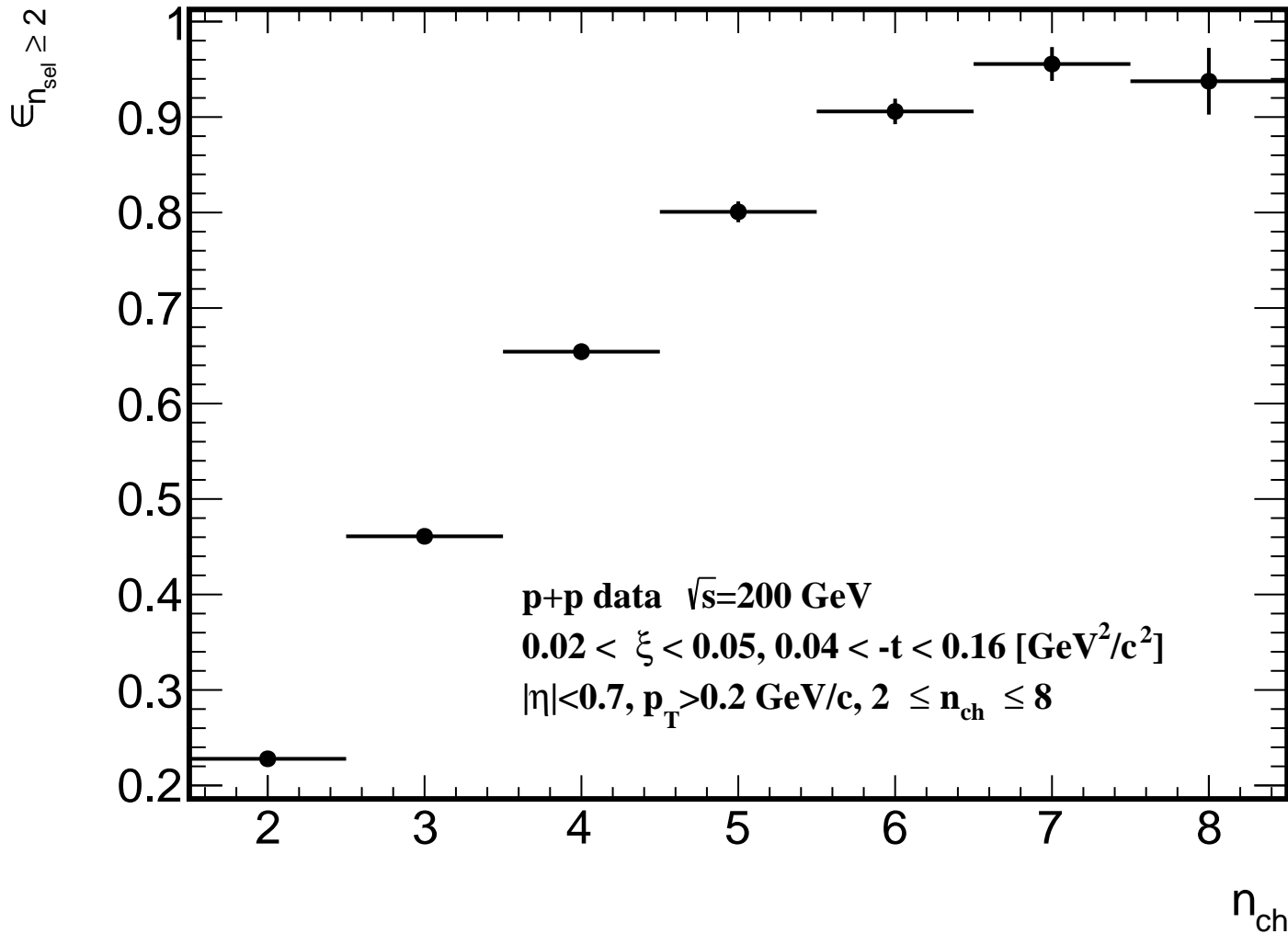
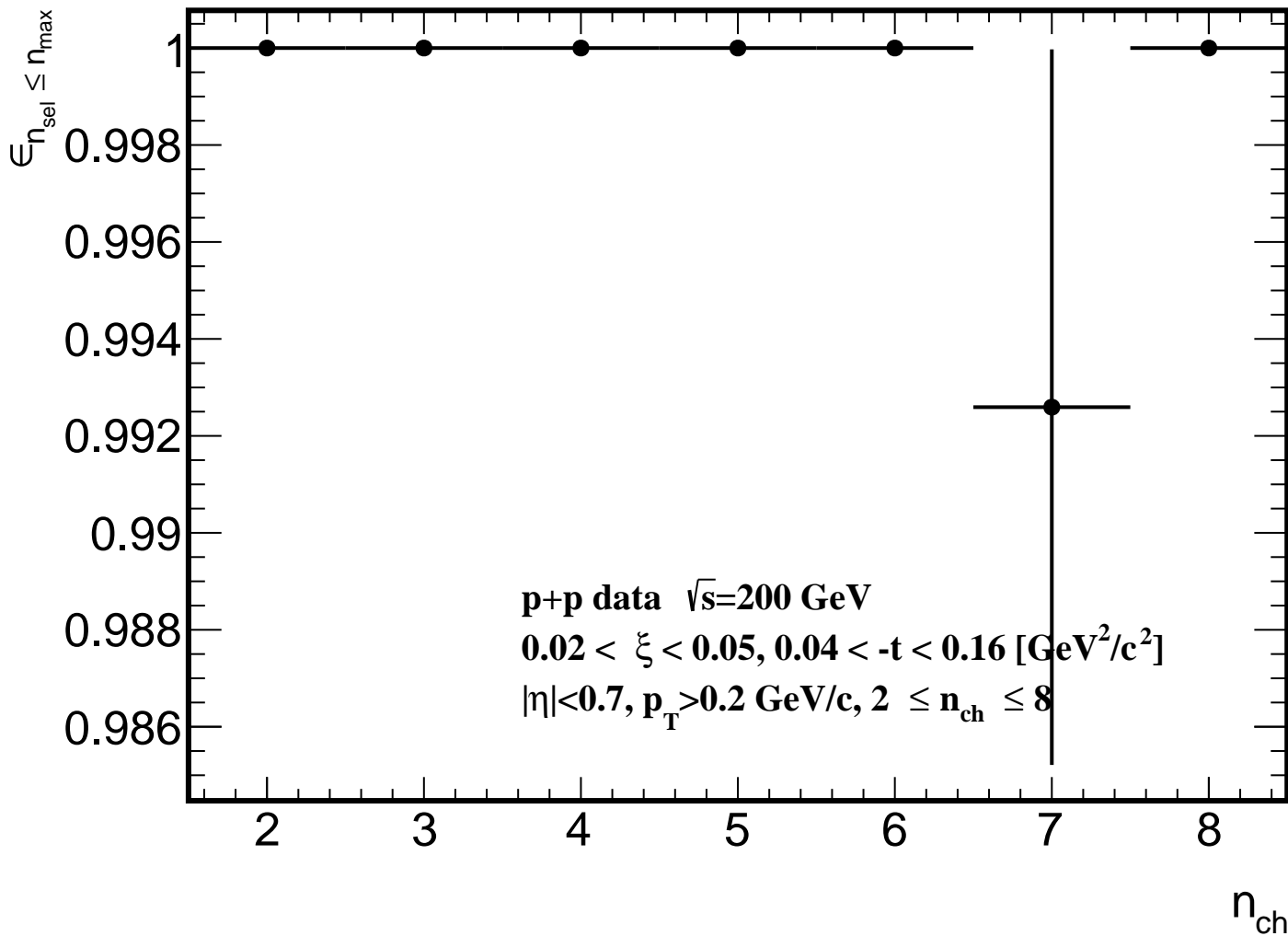
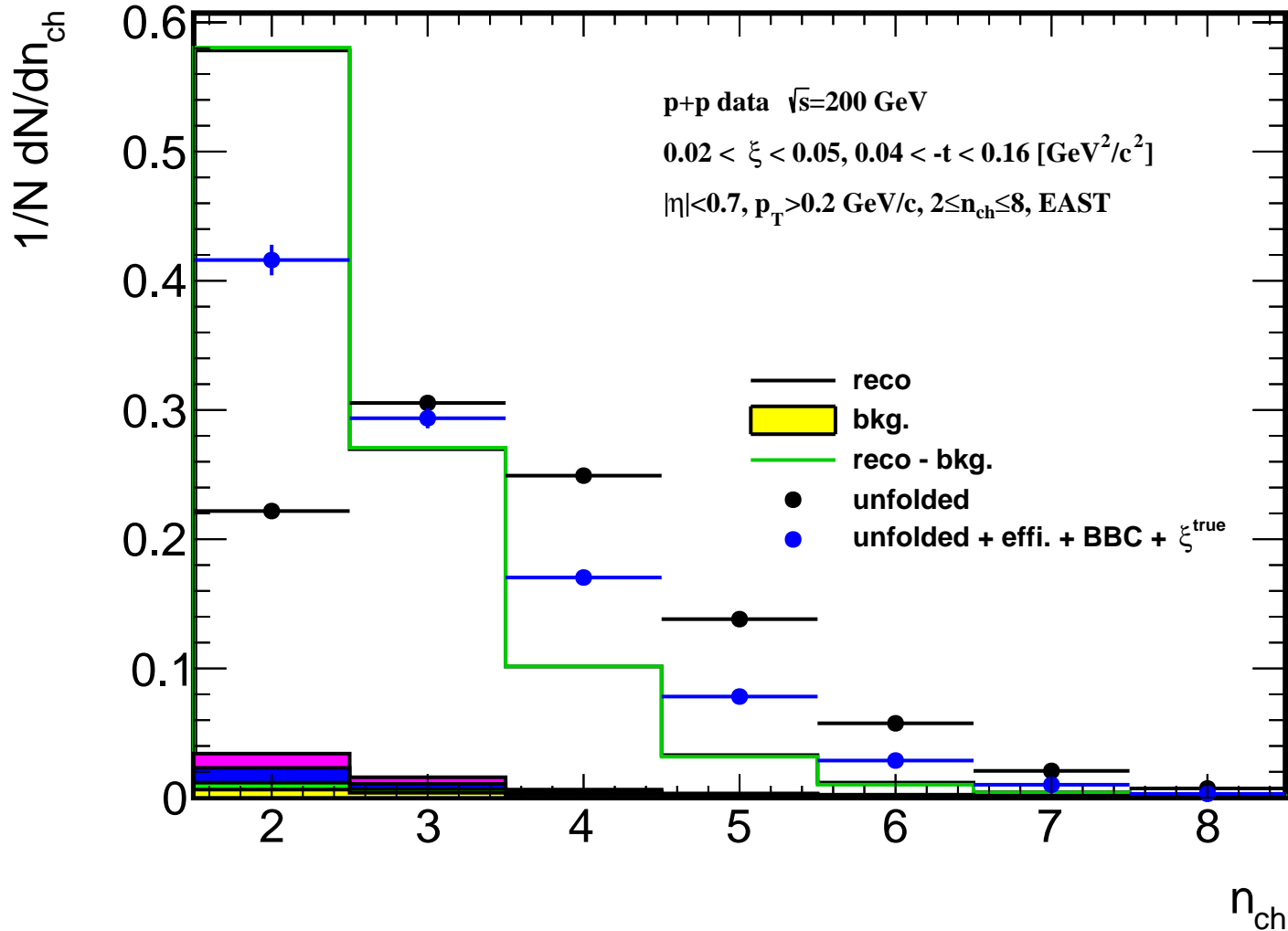


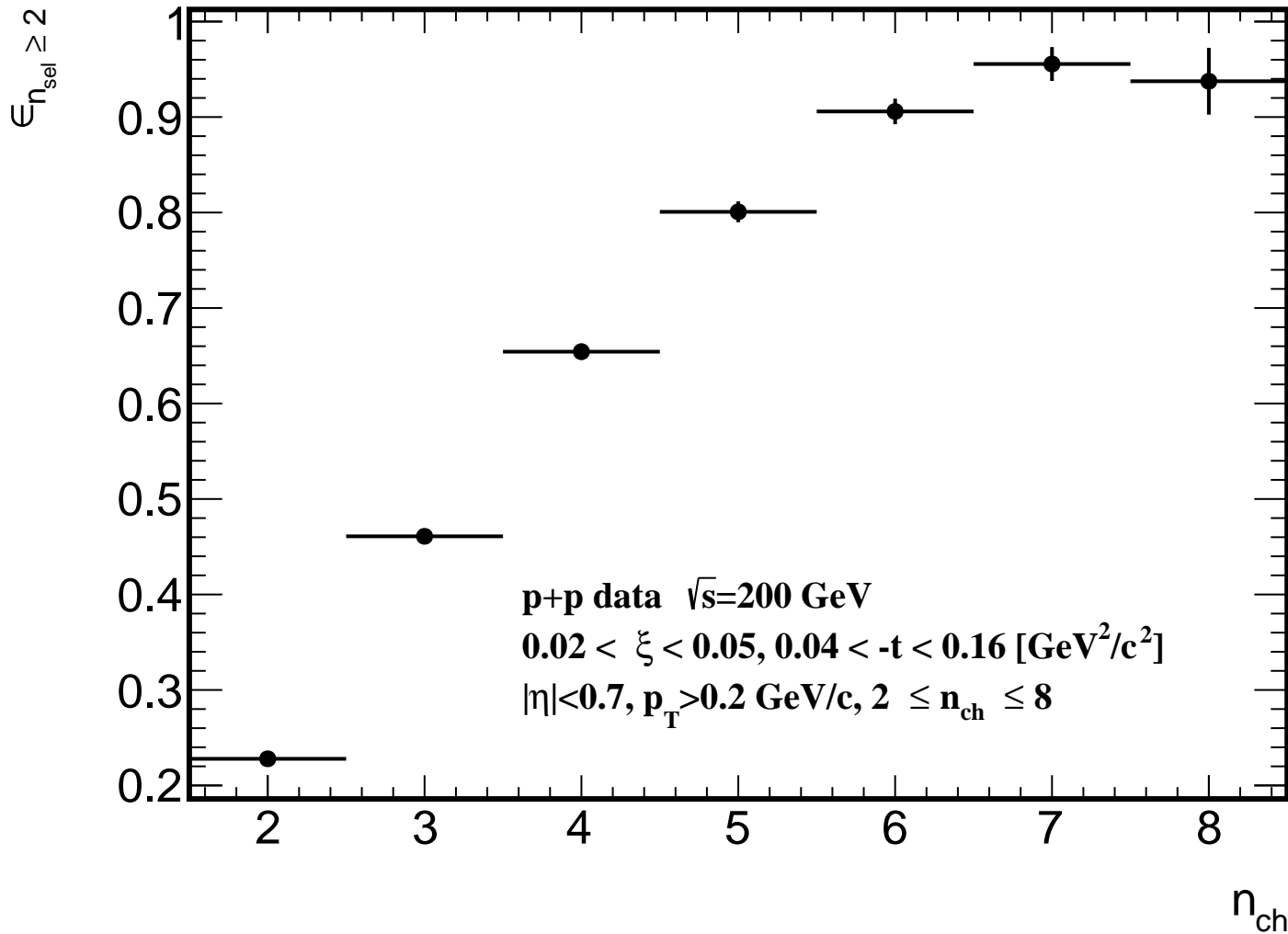
$dN/dn_{ch}$  $unf/true$ 



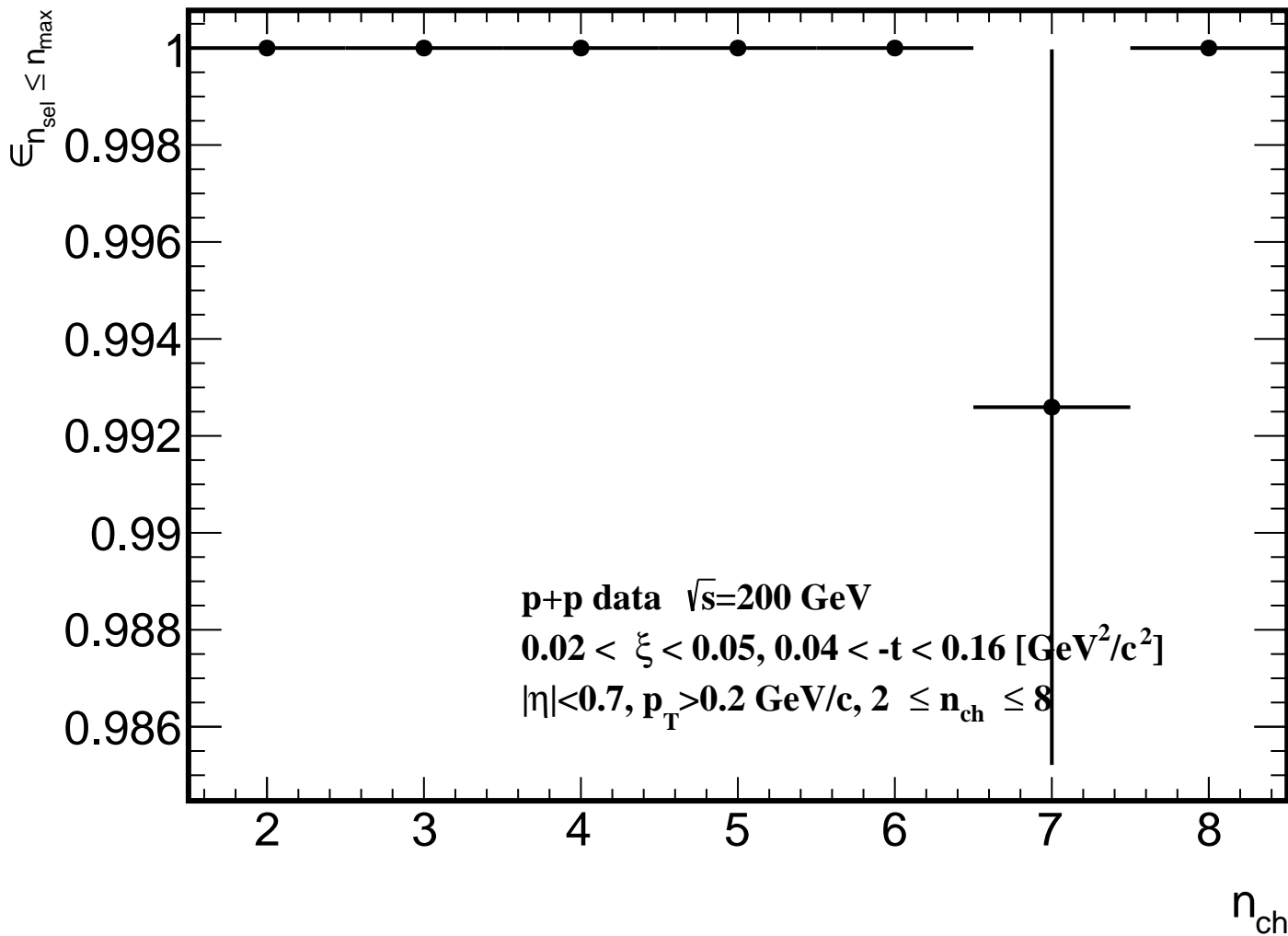


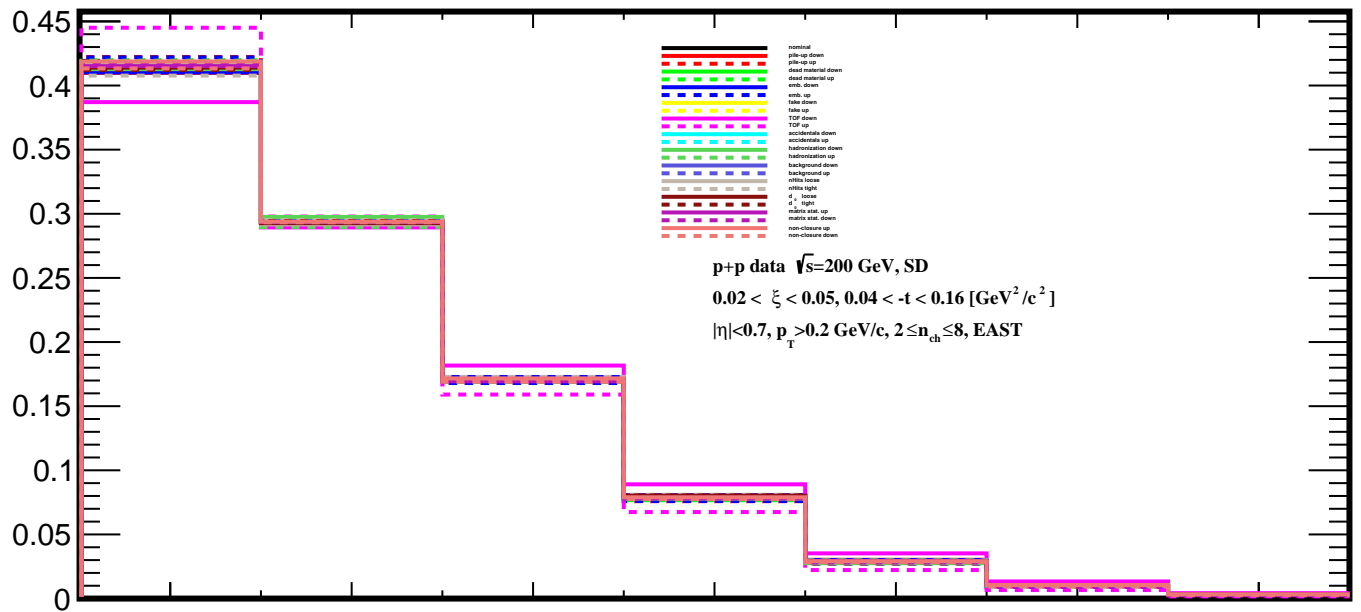




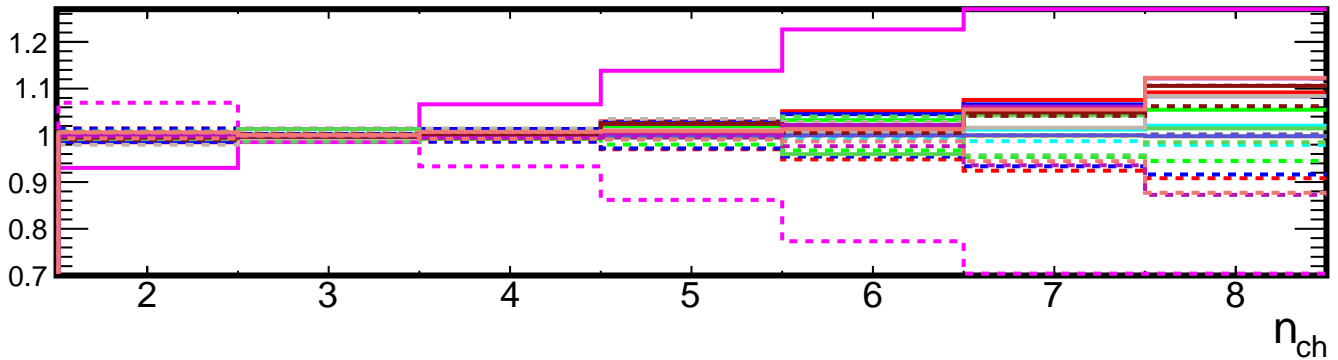


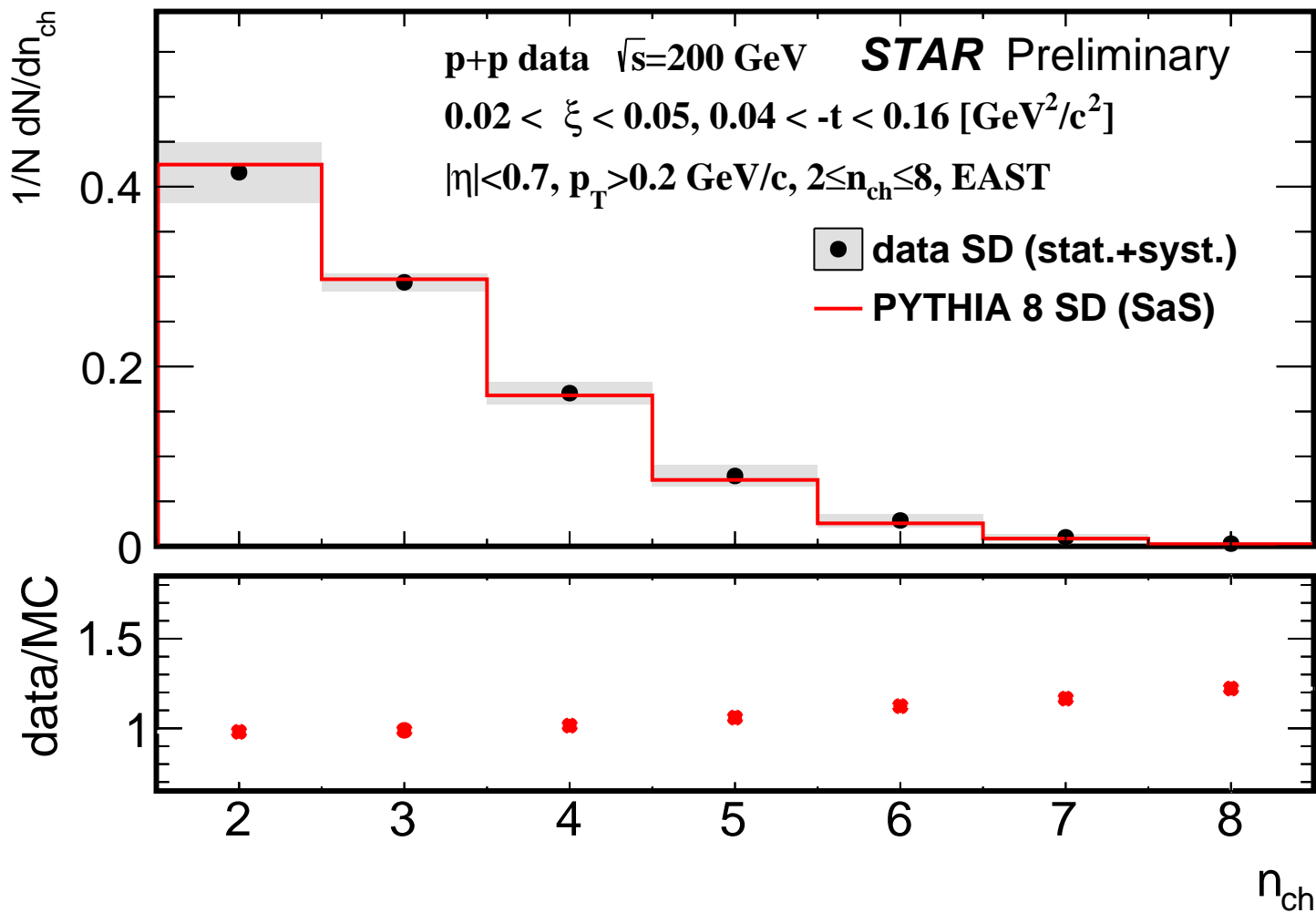


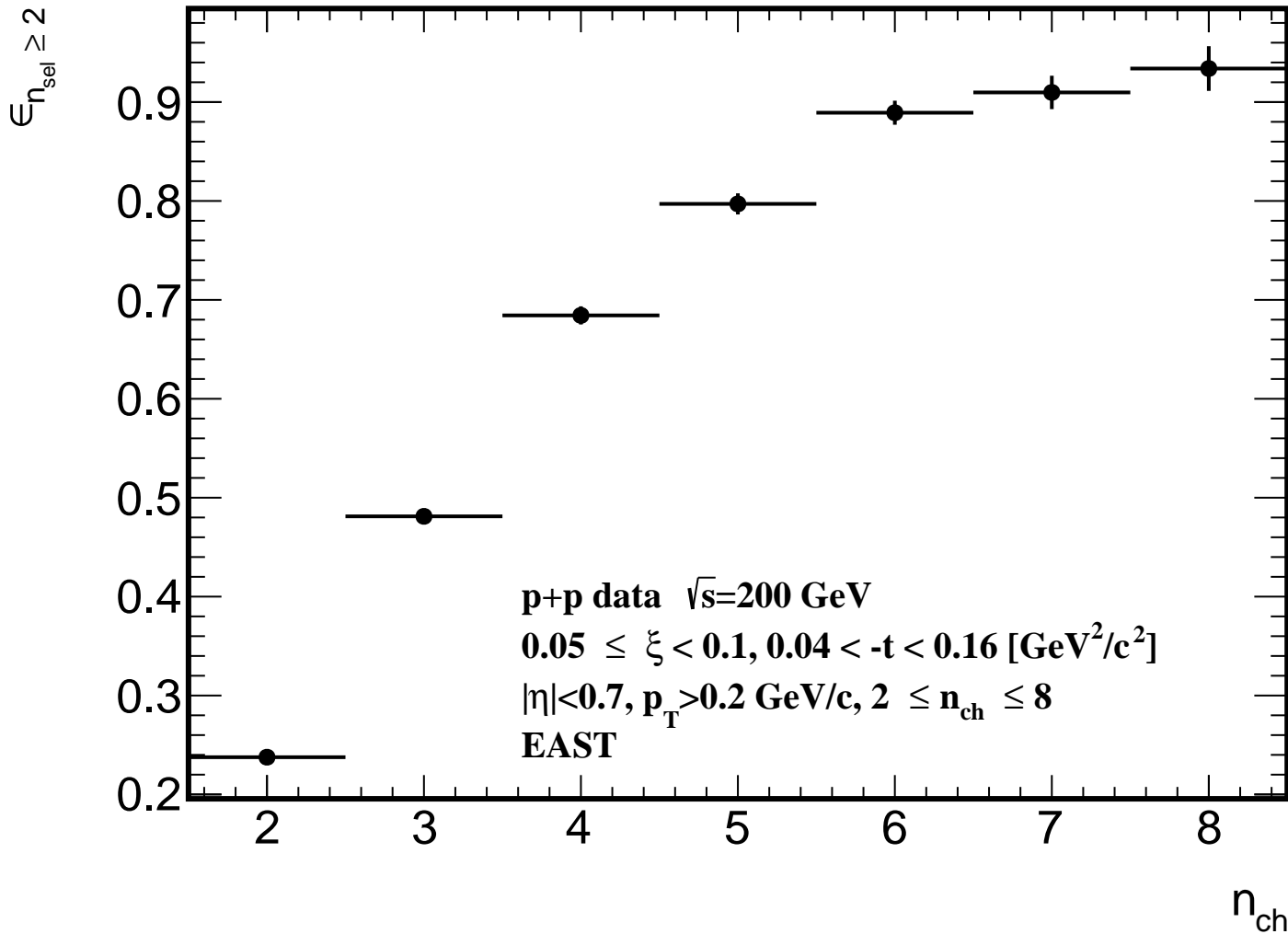


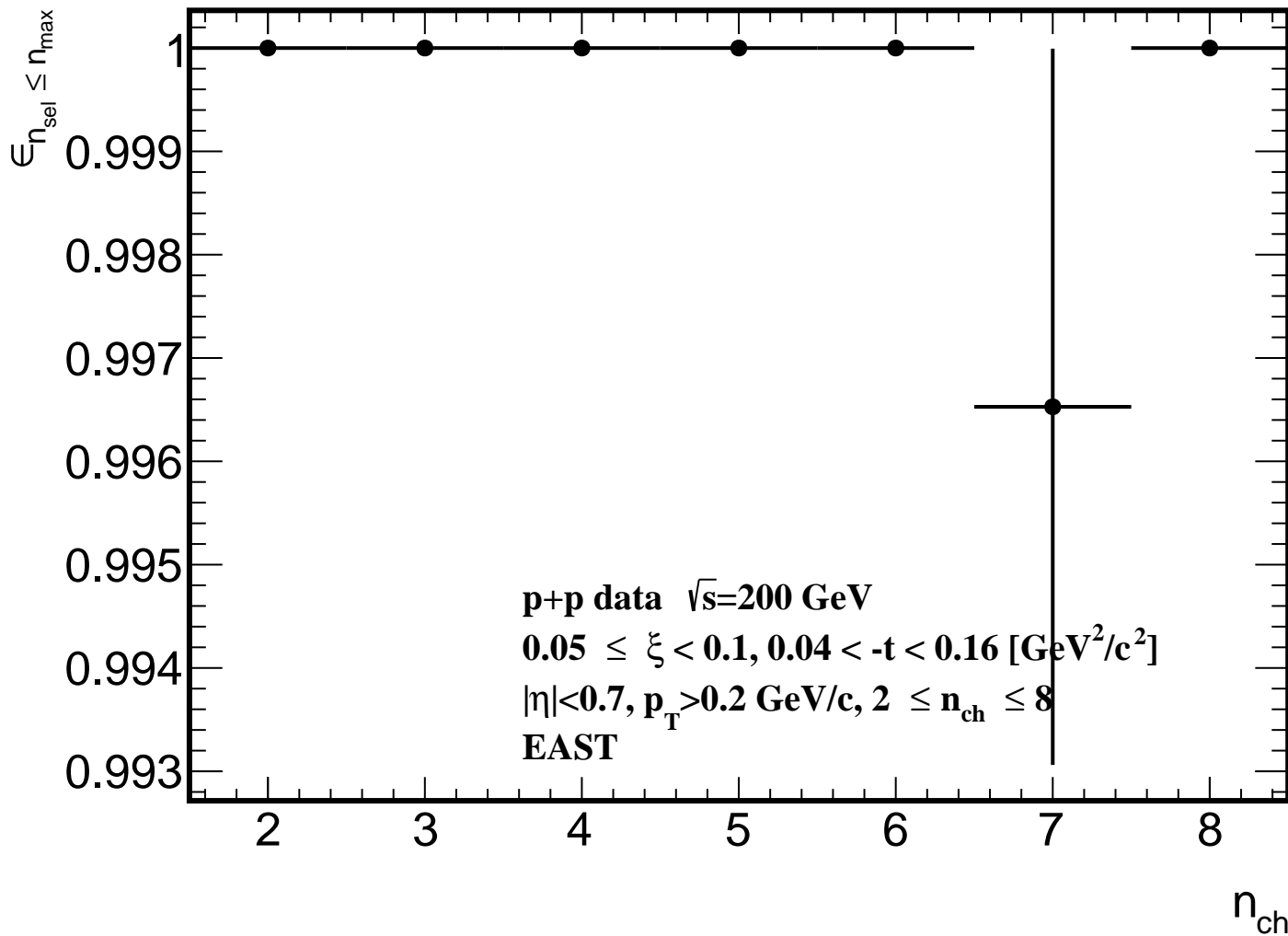
$1/N \, dN/dn_{\text{ch}}$ 

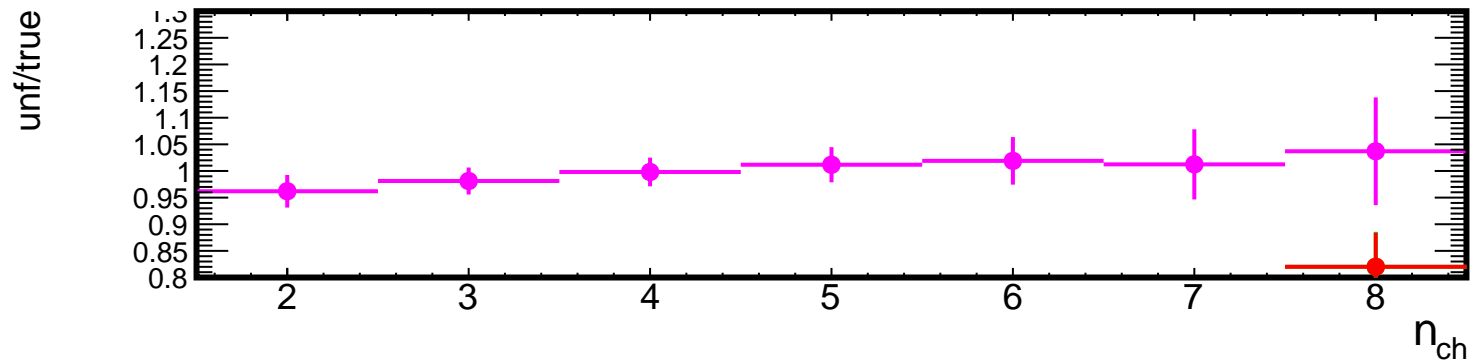
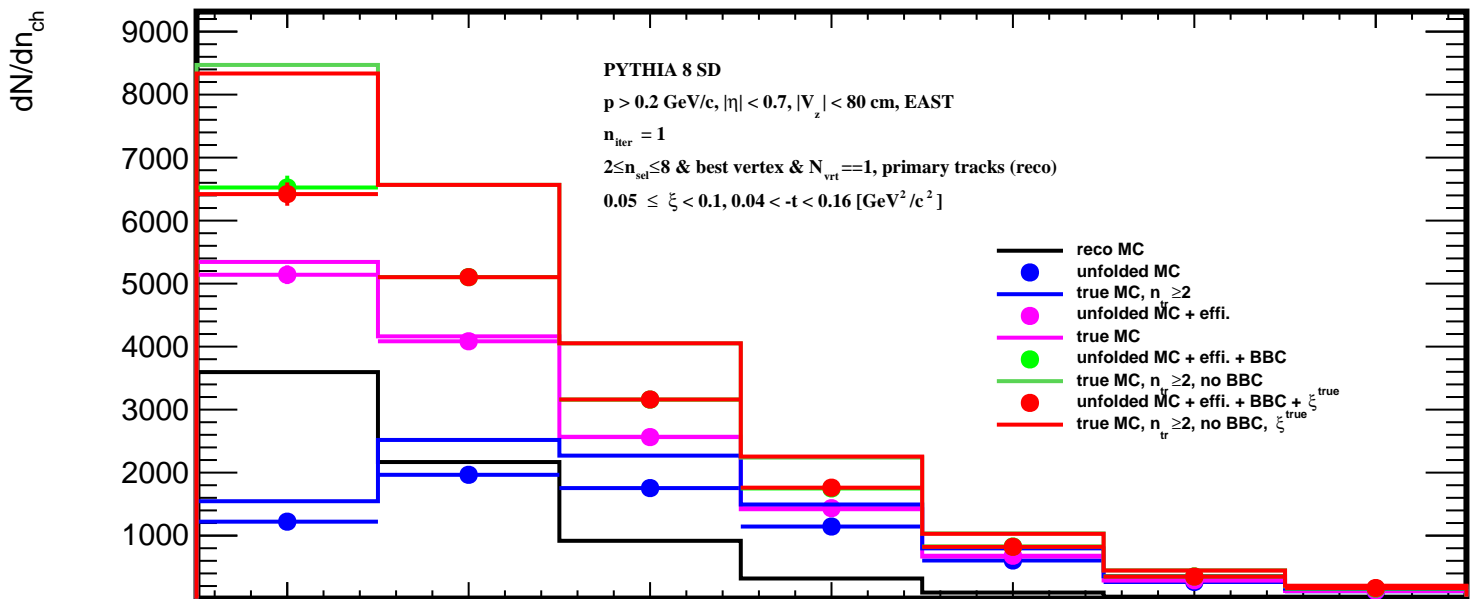
ratio











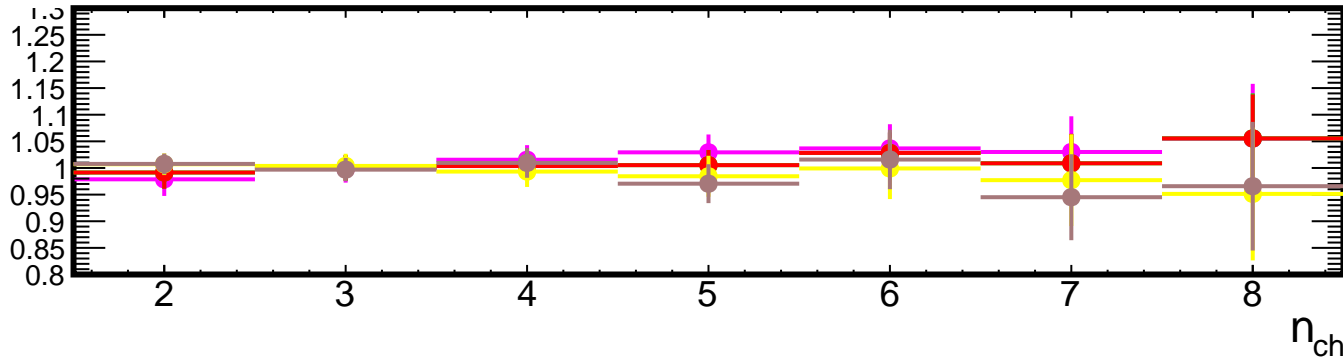
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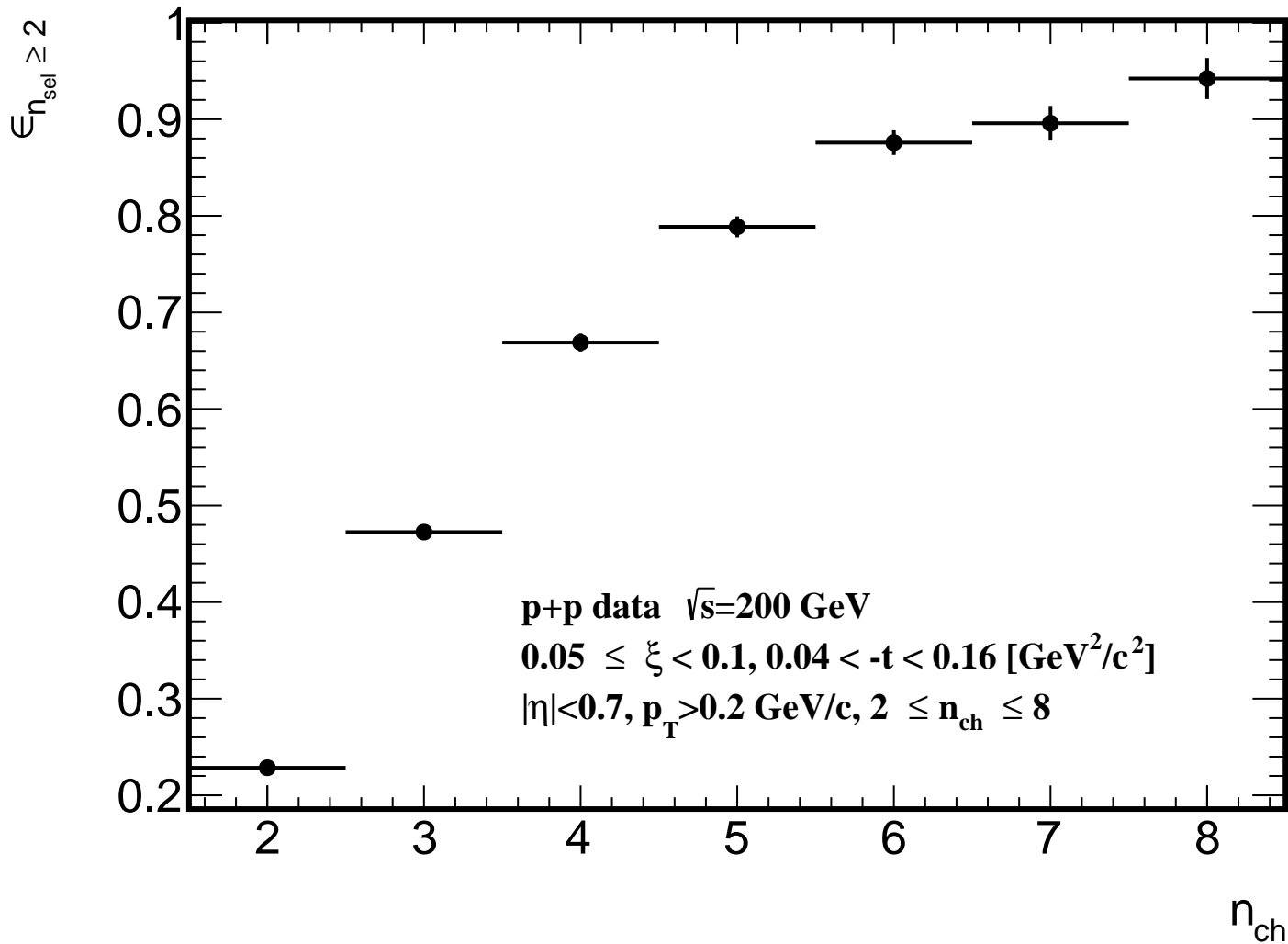
PYTHIA 8 SD

 $p > 0.2 \text{ GeV}/c, |\eta| < 0.7, |V_z| < 80 \text{ cm, EAST}$  $n_{\text{iter}} = 1$  $2 \leq n_{\text{sel}} \leq 8 \text{ \& best vertex \& } N_{\text{vtx}} = 1, \text{ primary tracks (reco)}$  $0.05 \leq \xi < 0.1, 0.04 < -t < 0.16 \text{ [GeV}^2/c^2 \text{]}$ 

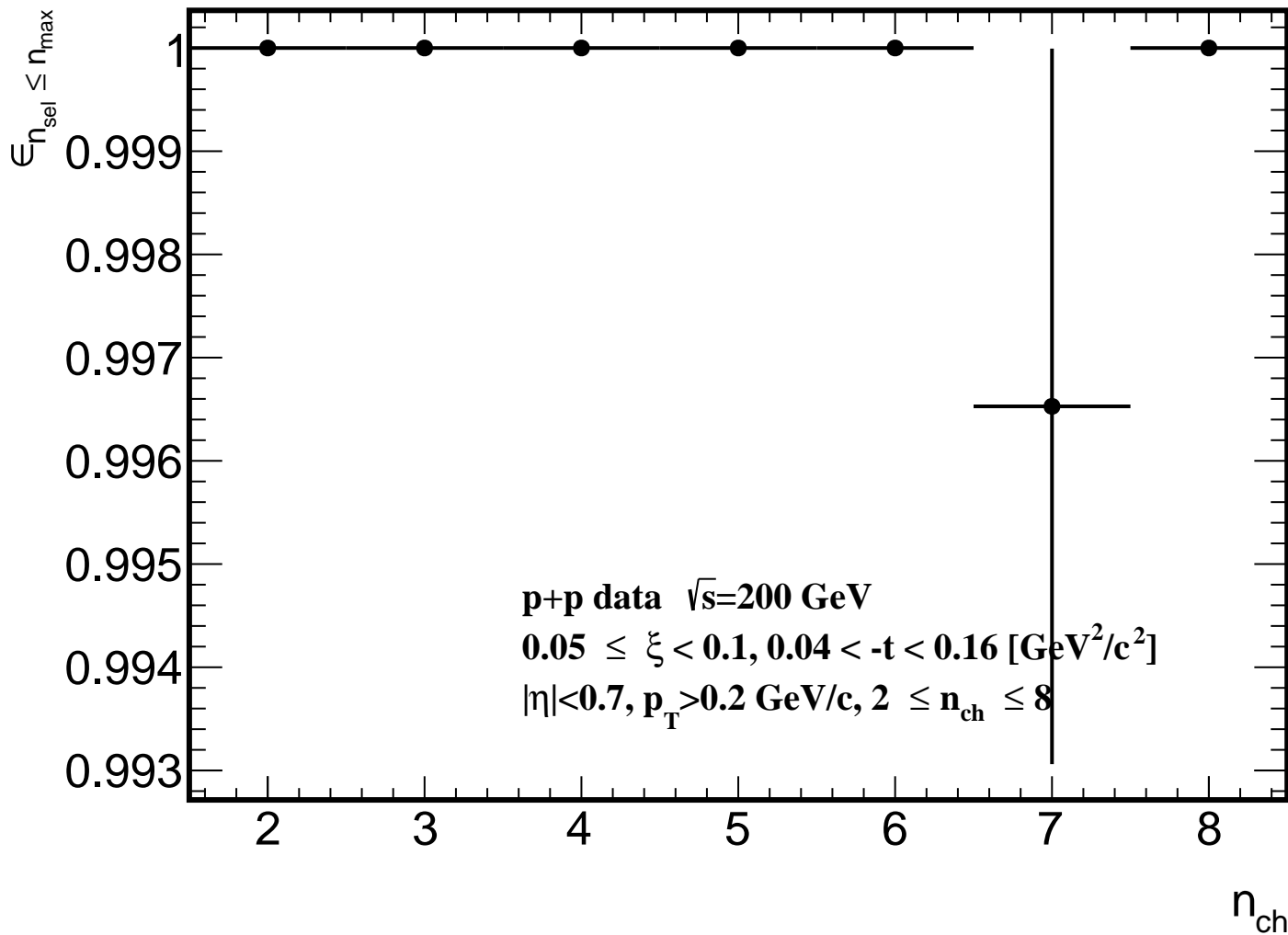
- reco MC
- unfolded MC
- true MC,  $n_{\text{tr}} \geq 2$
- unfolded MC + effi.
- true MC
- unfolded MC + effi. + BBC
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC
- unfolded MC + effi. + BBC +  $\xi_{\text{true}}^{\text{true}}$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}^{\text{true}}$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}^{\text{true}}$ ,  $-t$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}^{\text{true}}$ ,  $-t$ , no vtx

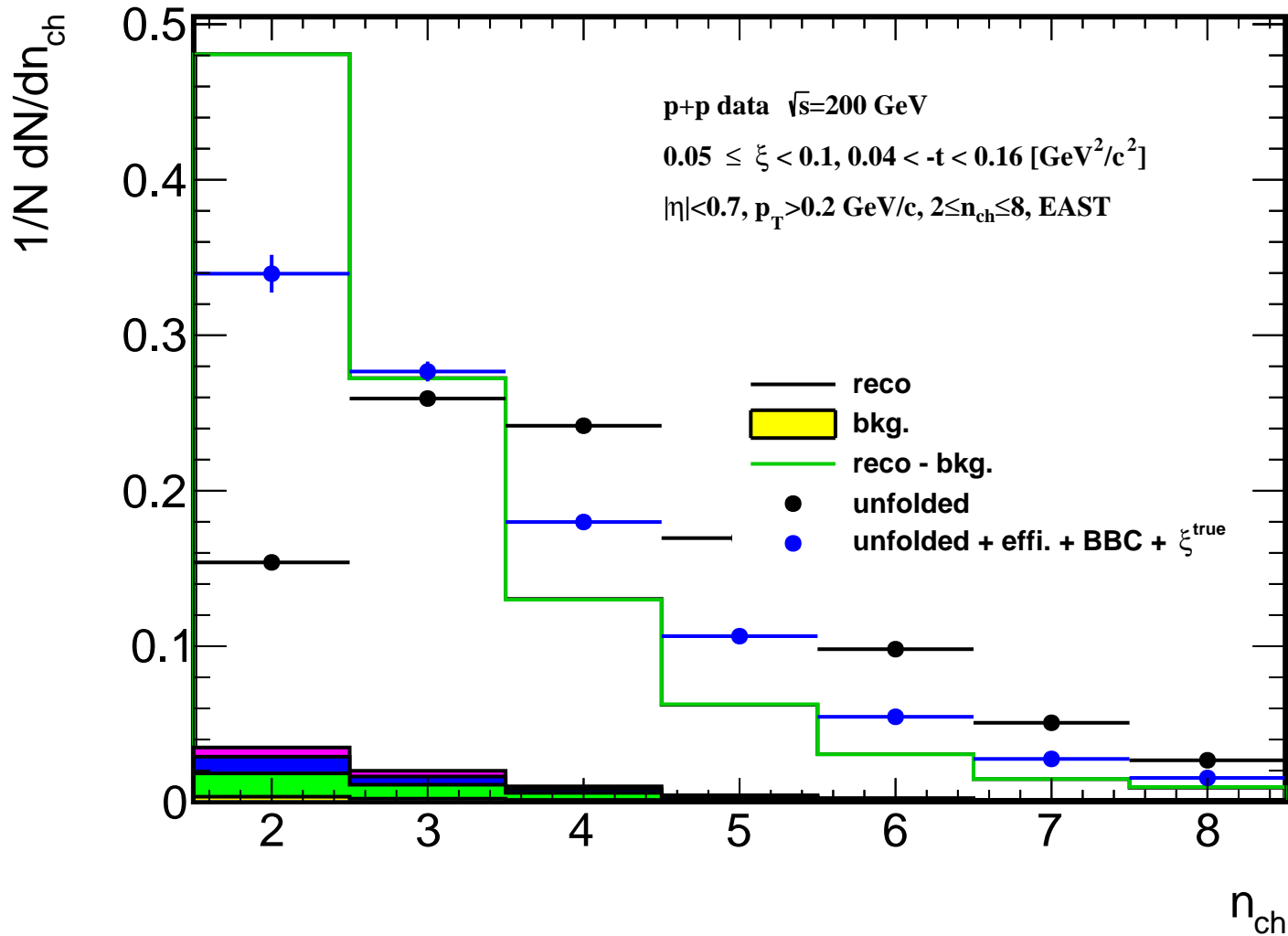
unf/true

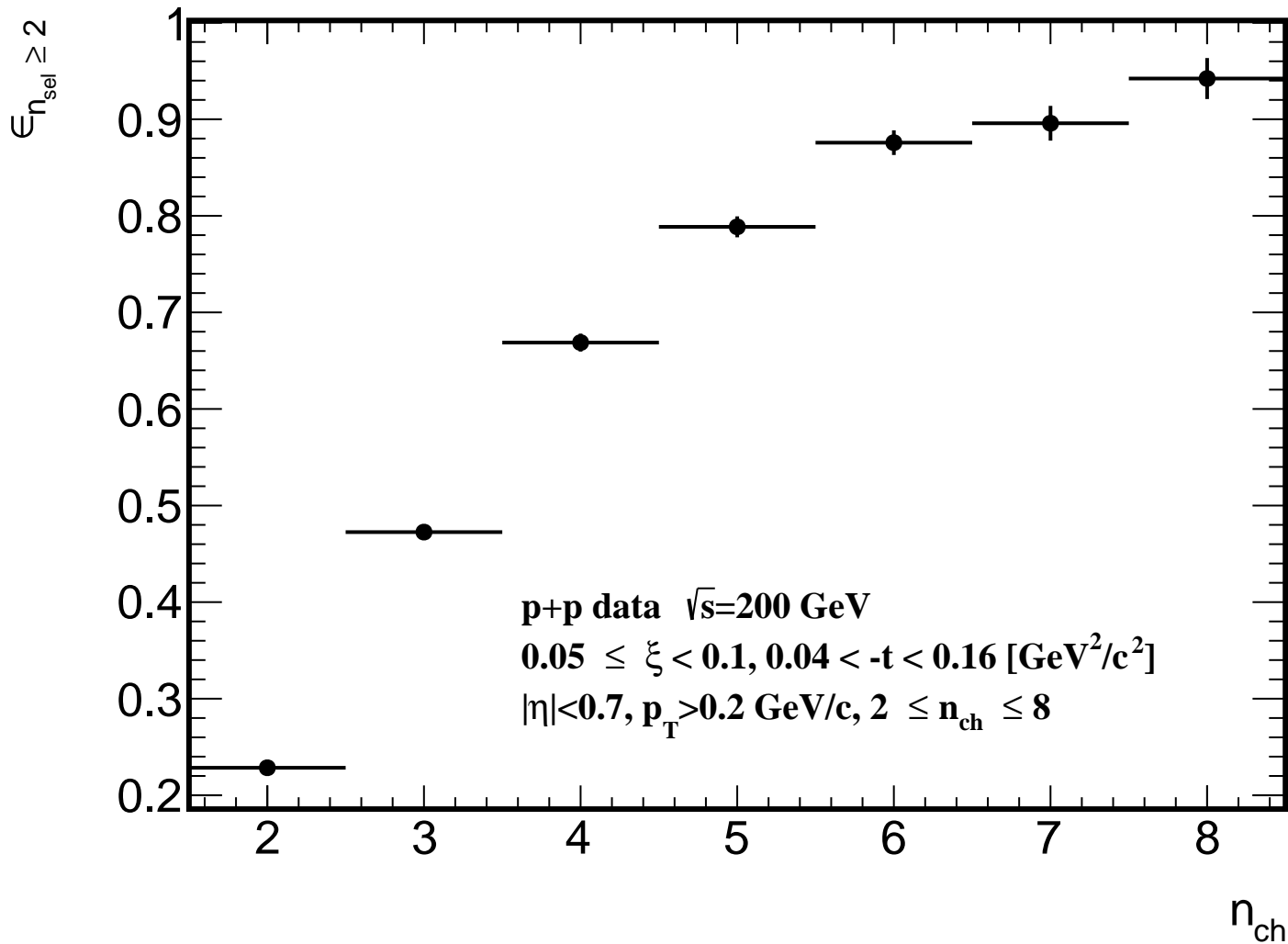


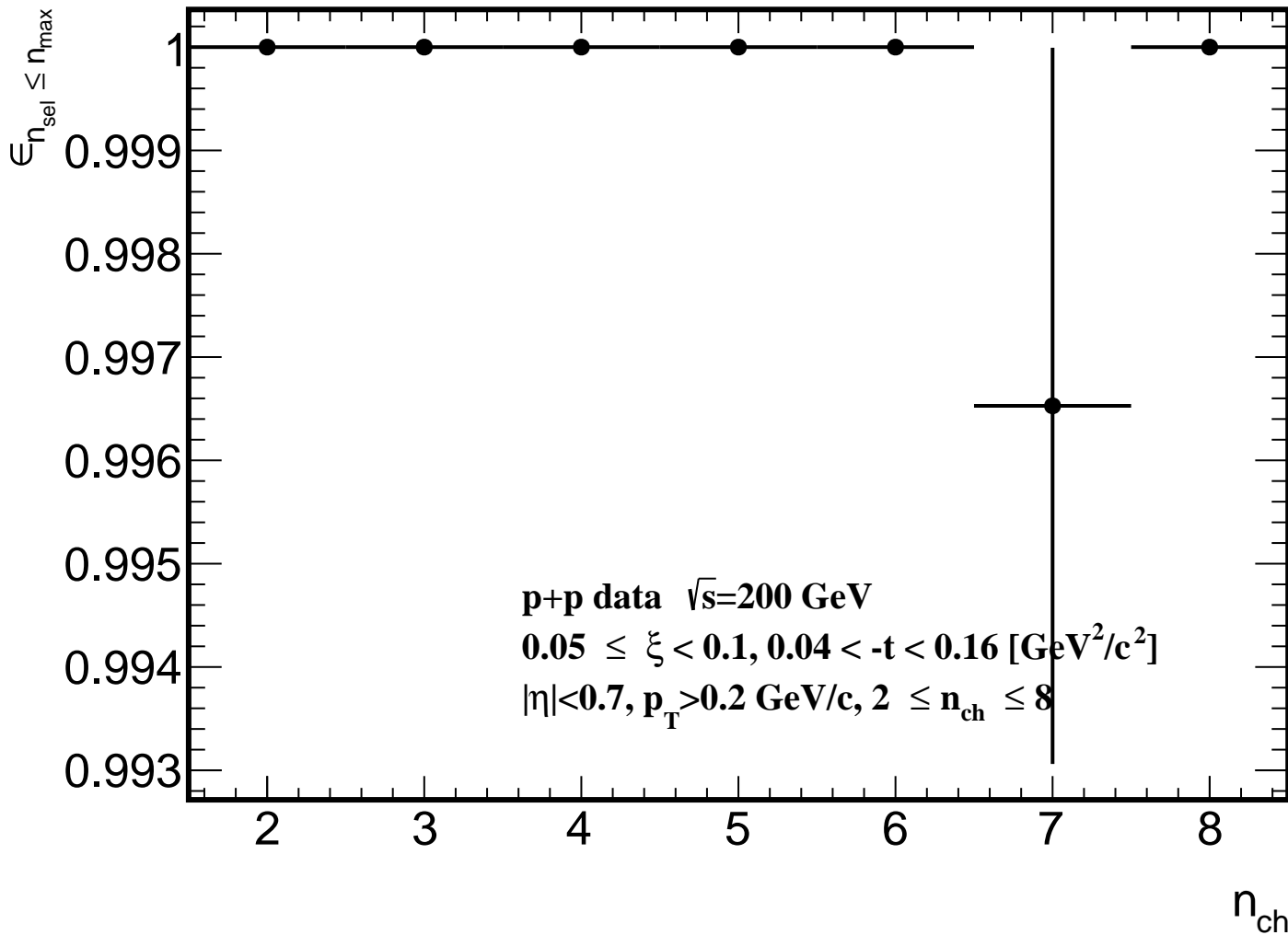


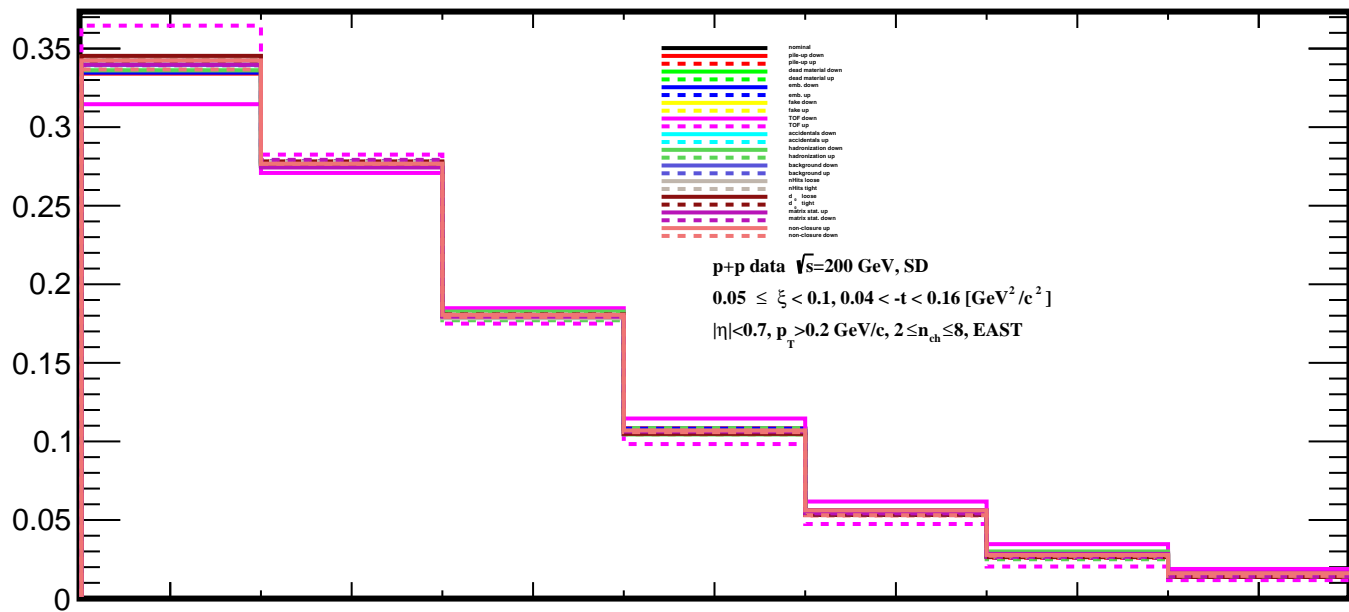




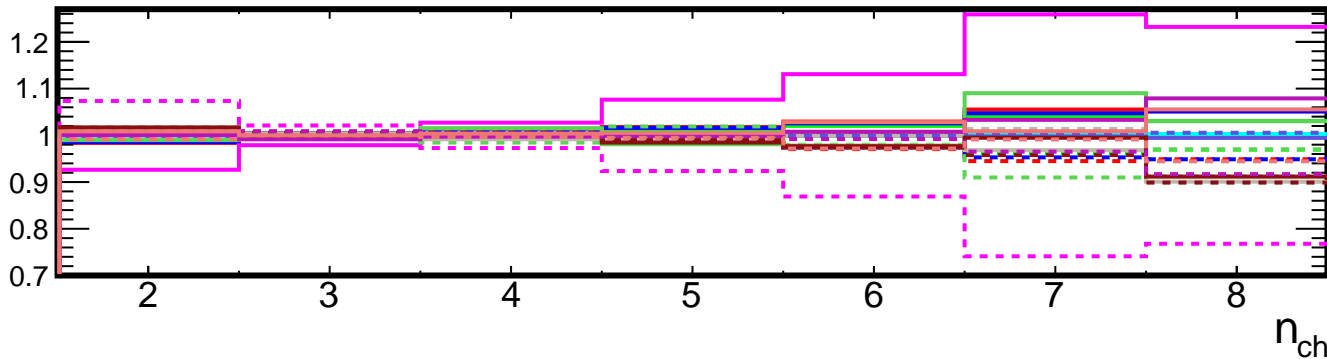


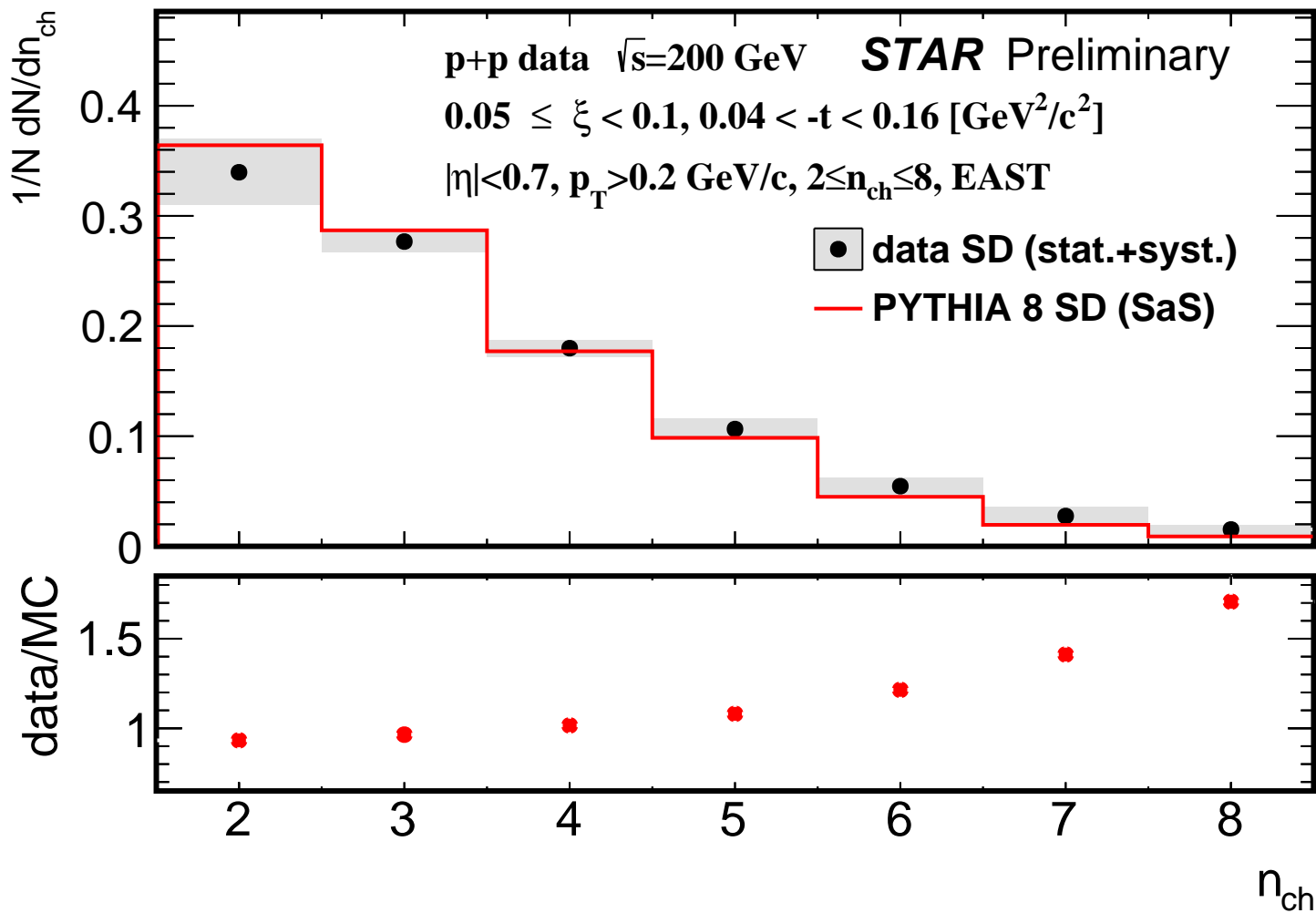


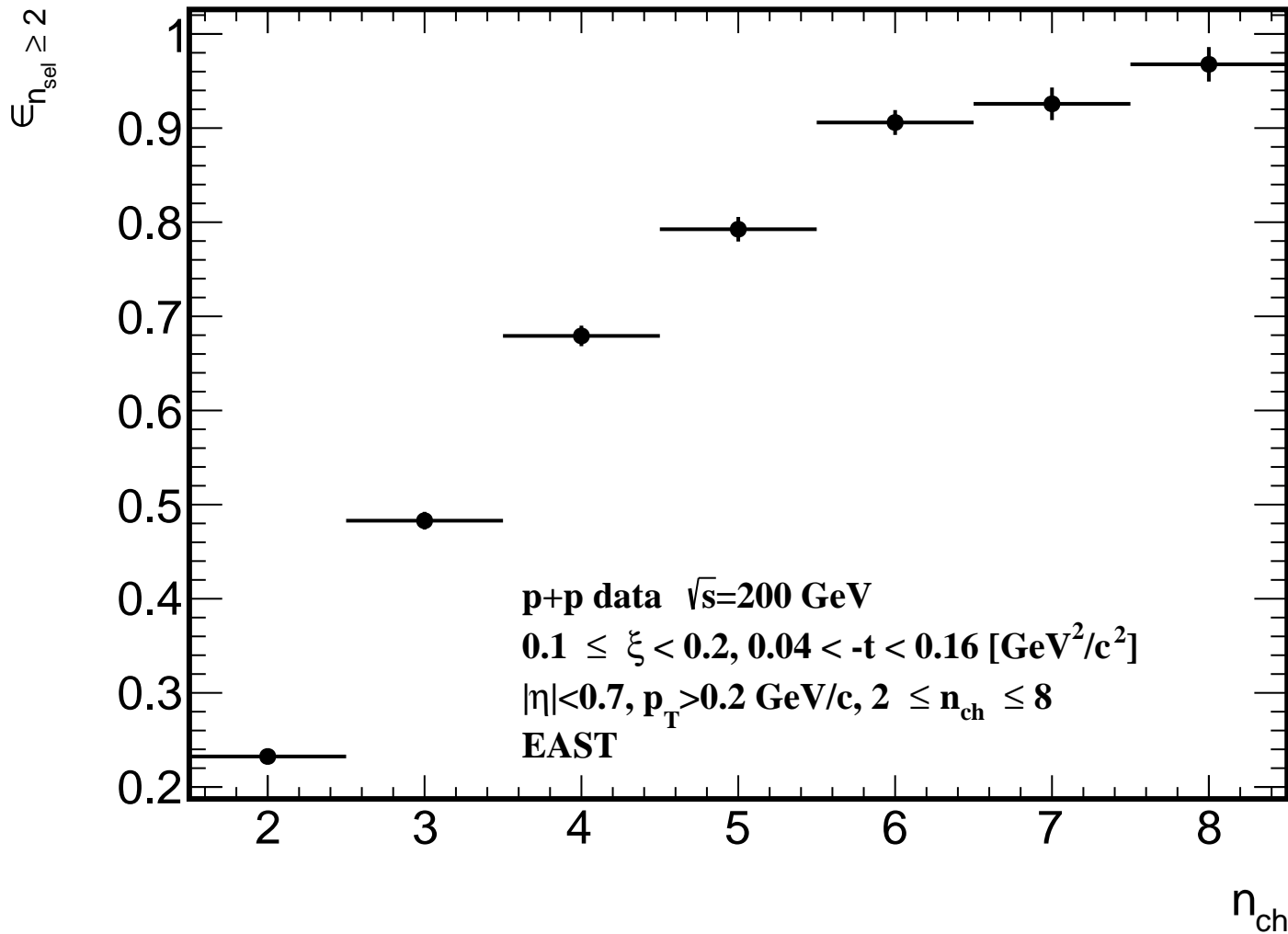


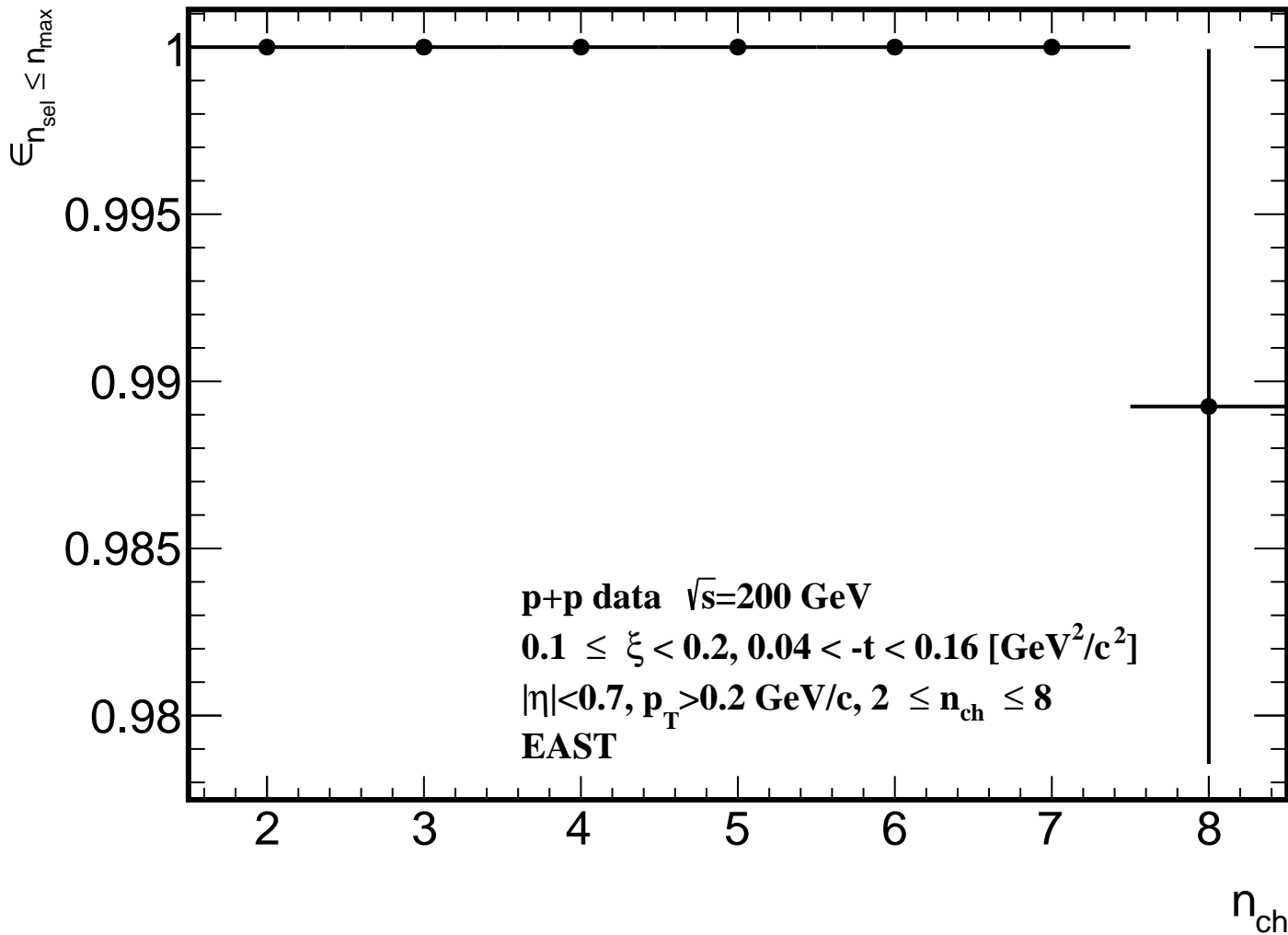
$1/N \, dN/dn_{\text{ch}}$ 

ratio

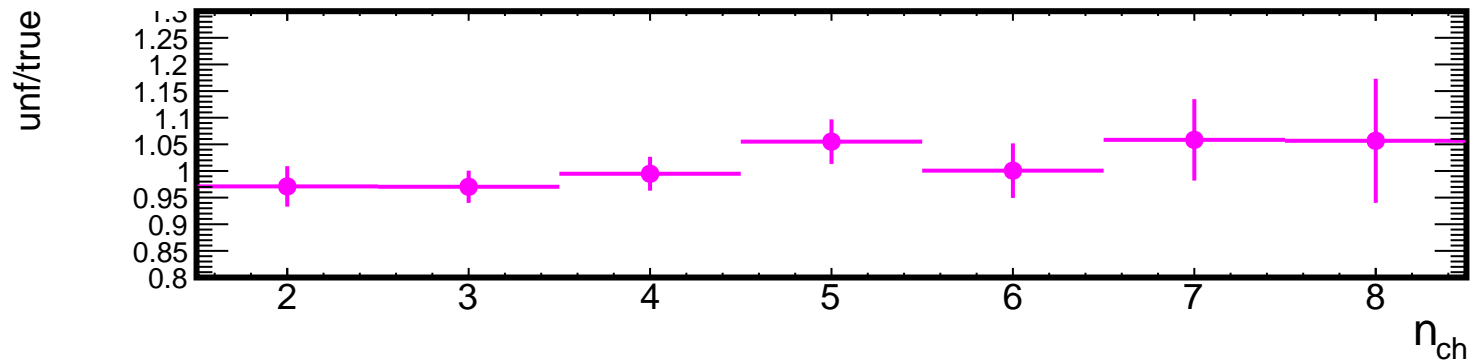
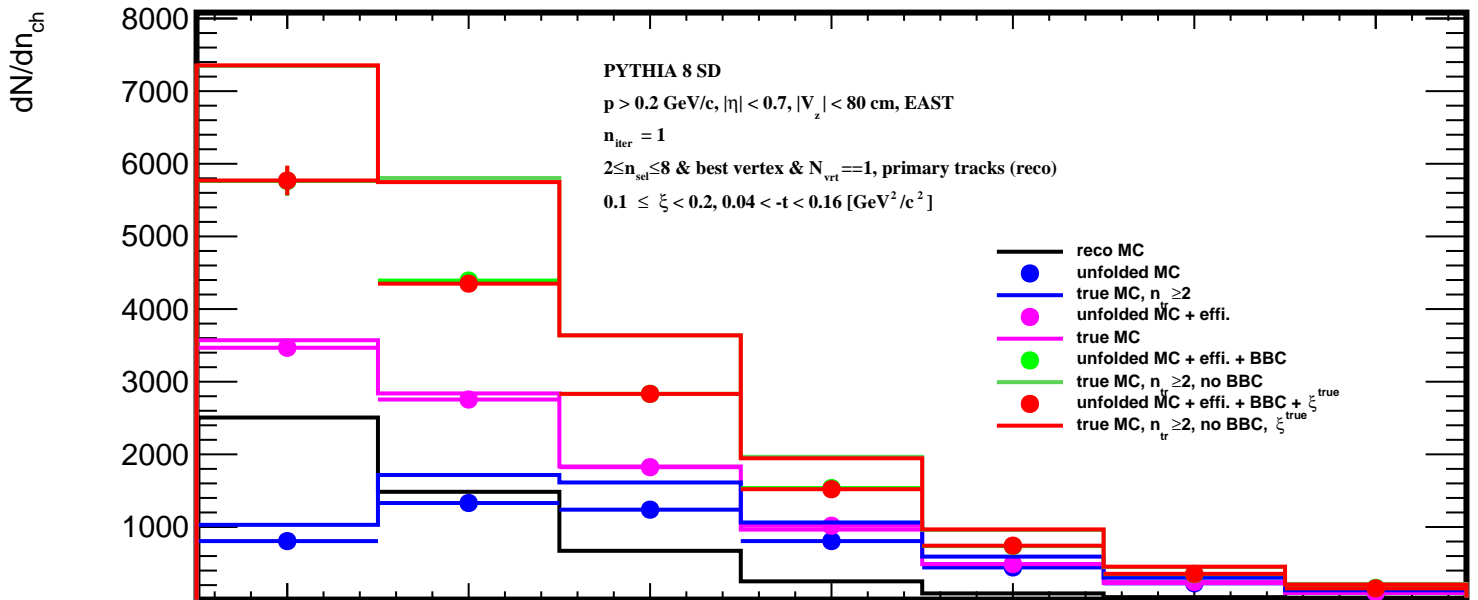


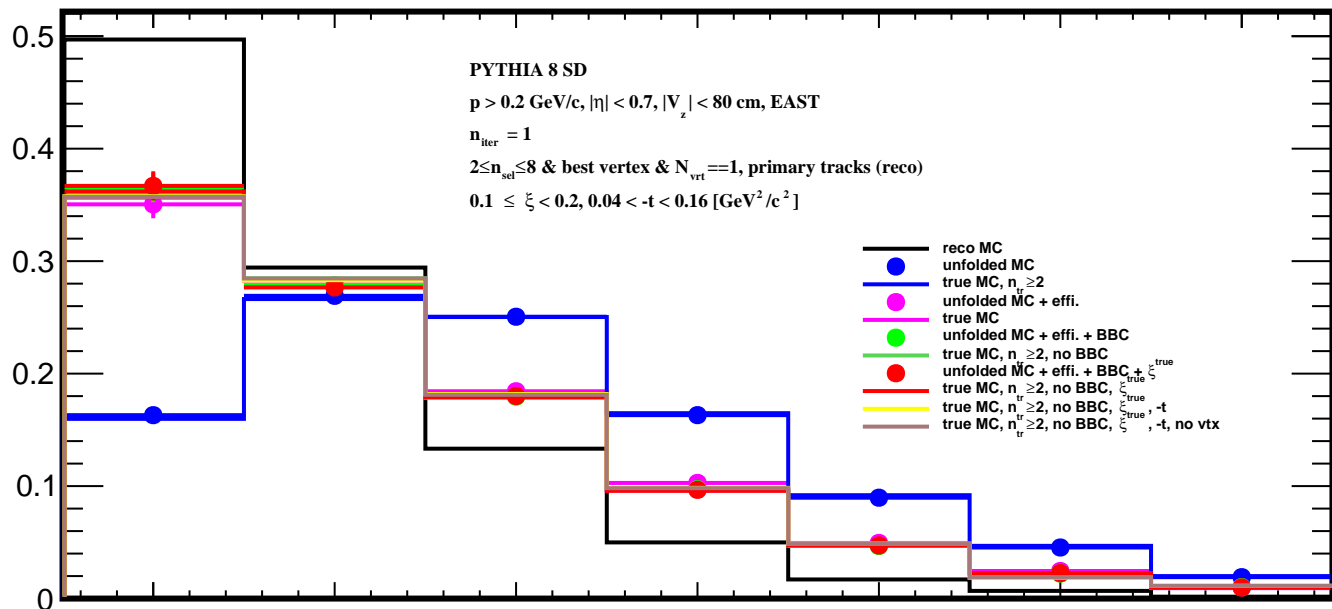
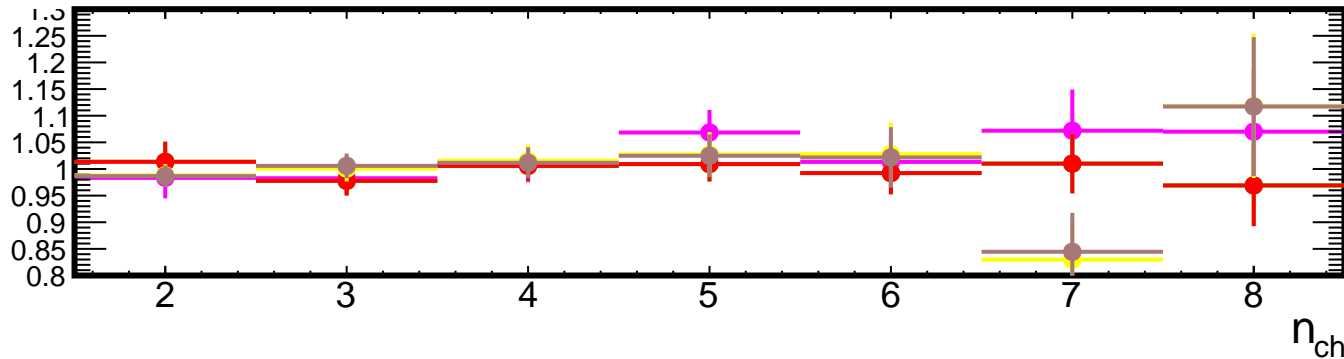


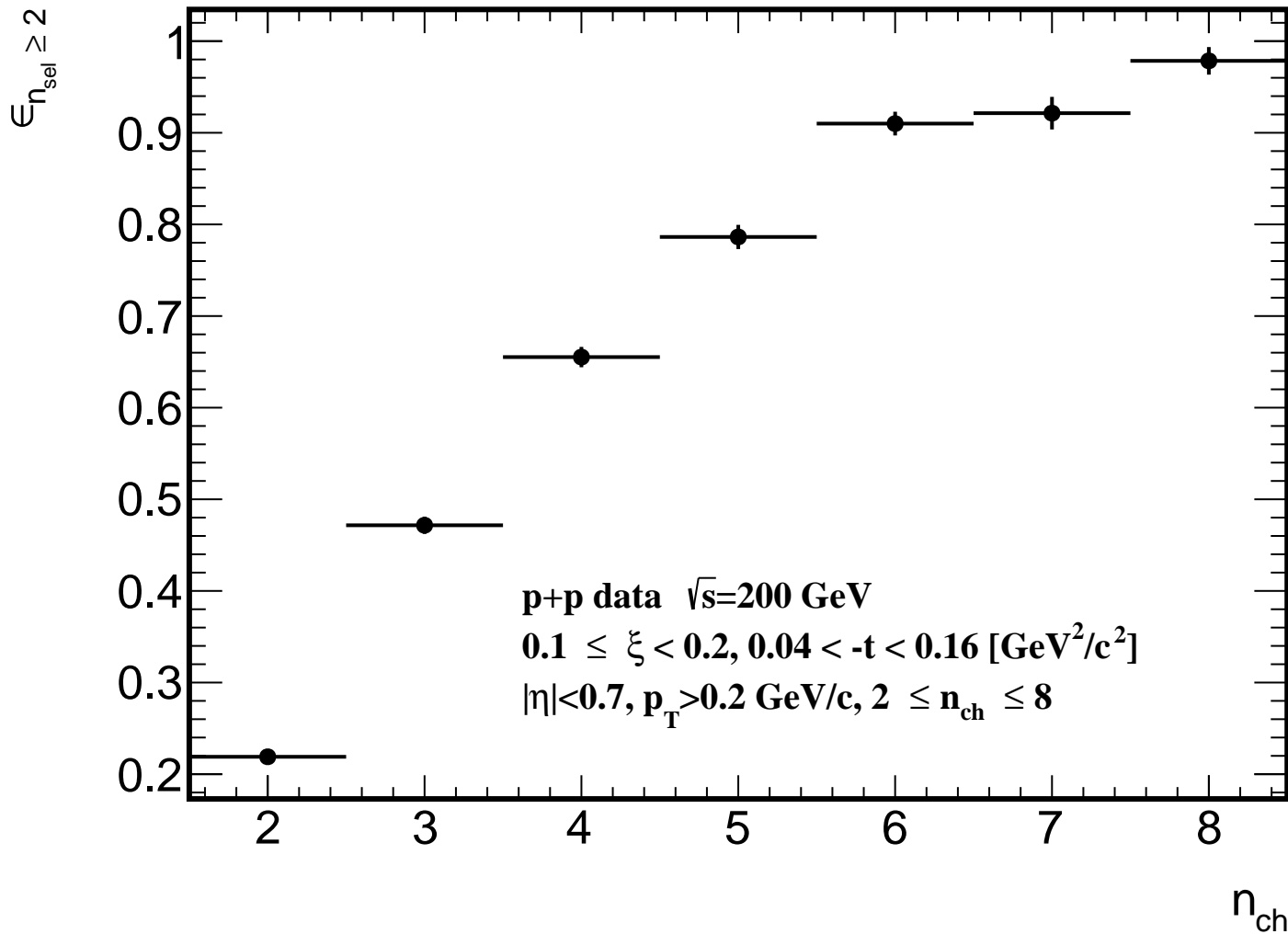


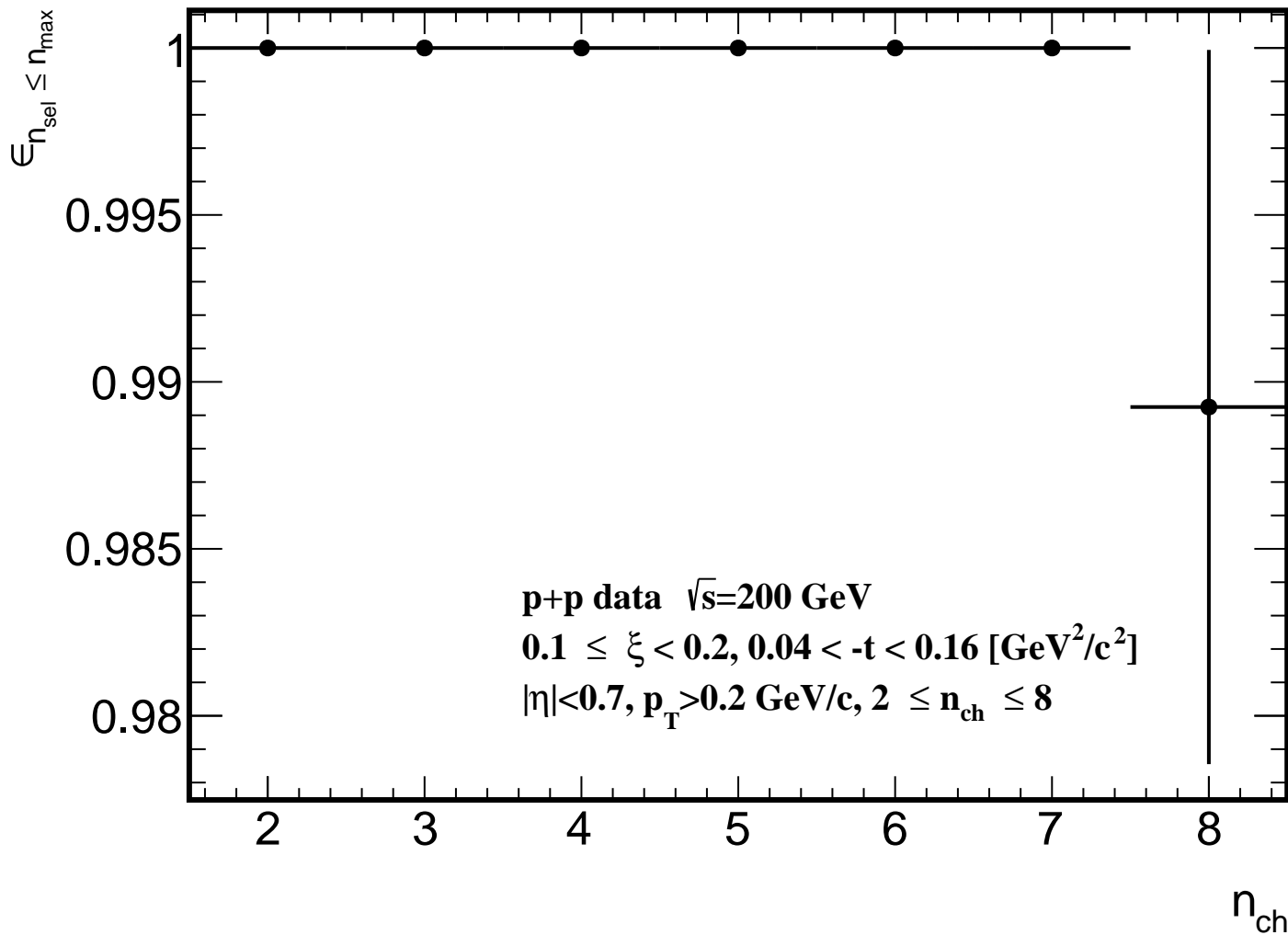


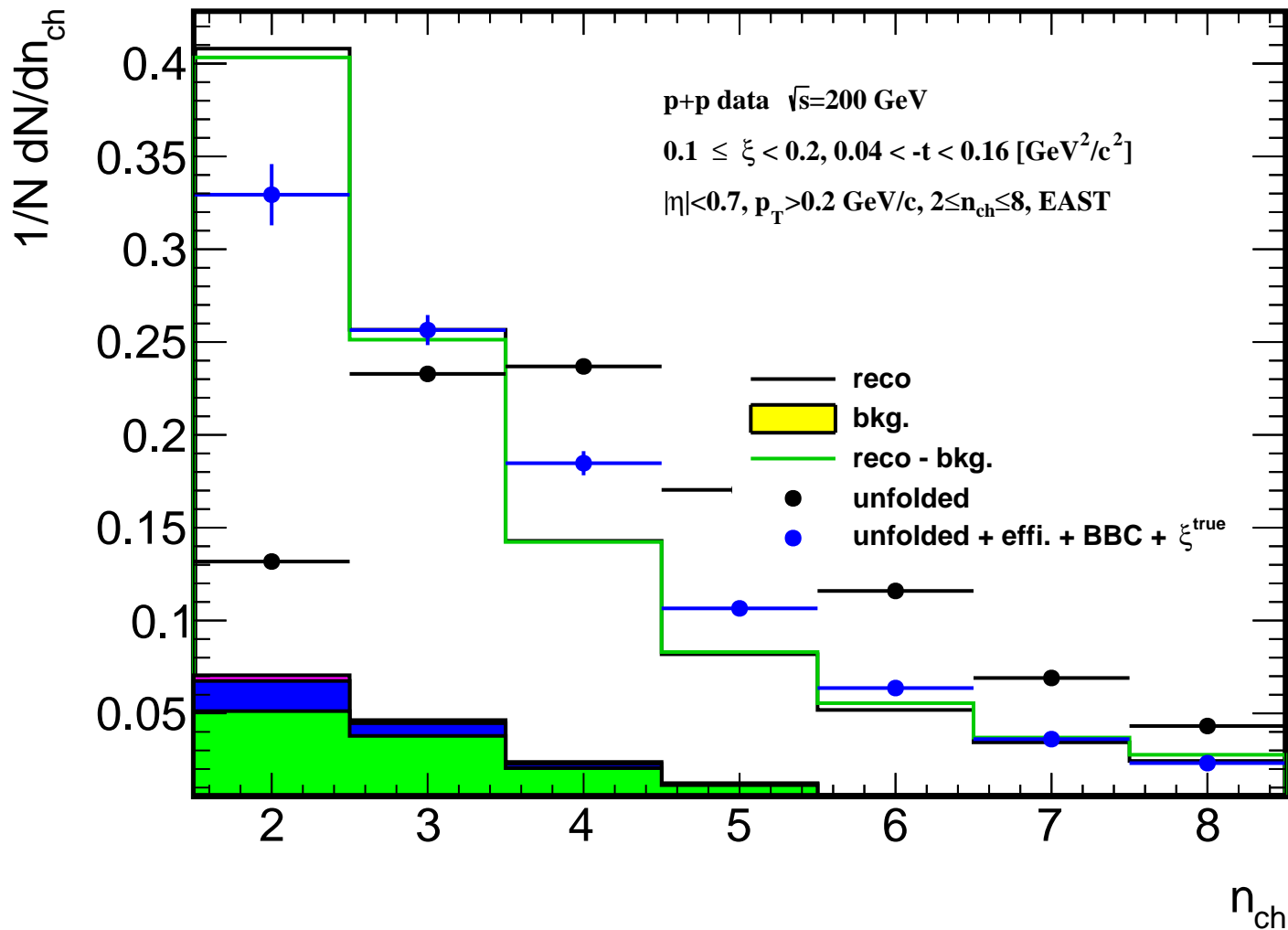


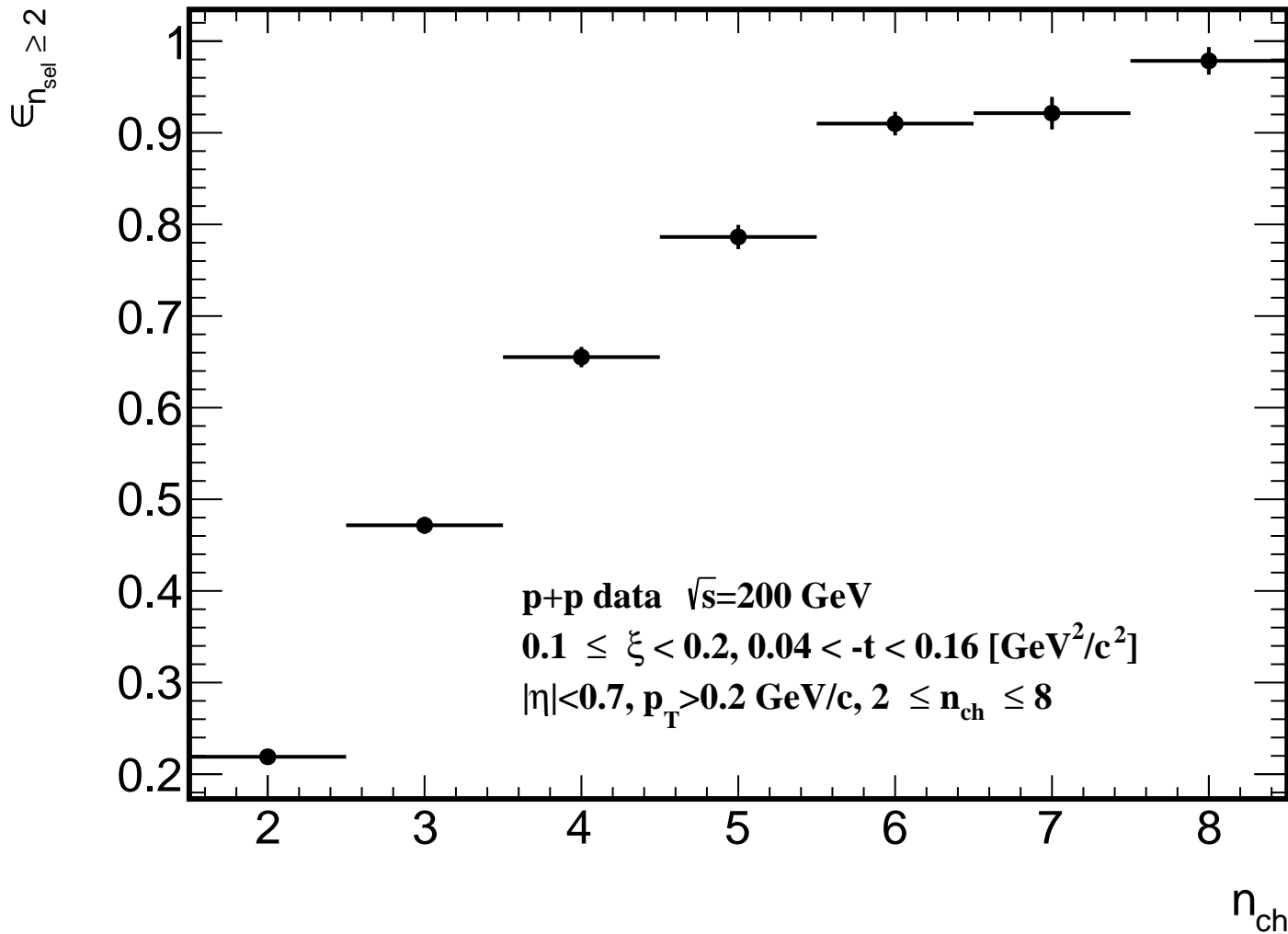


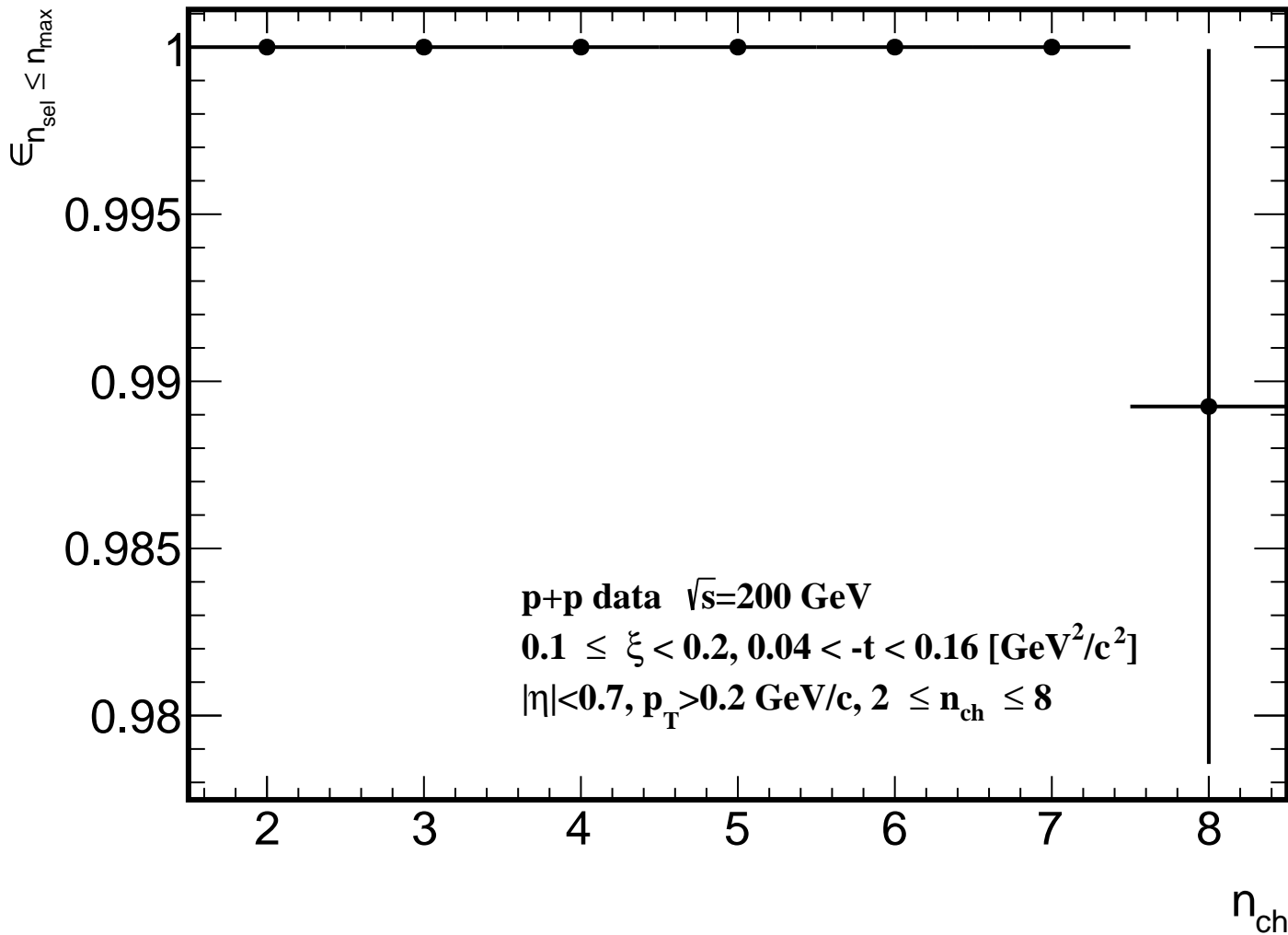
$1/N \, dN/dn_{\text{ch}}$  $\text{unf}/\text{true}$ 

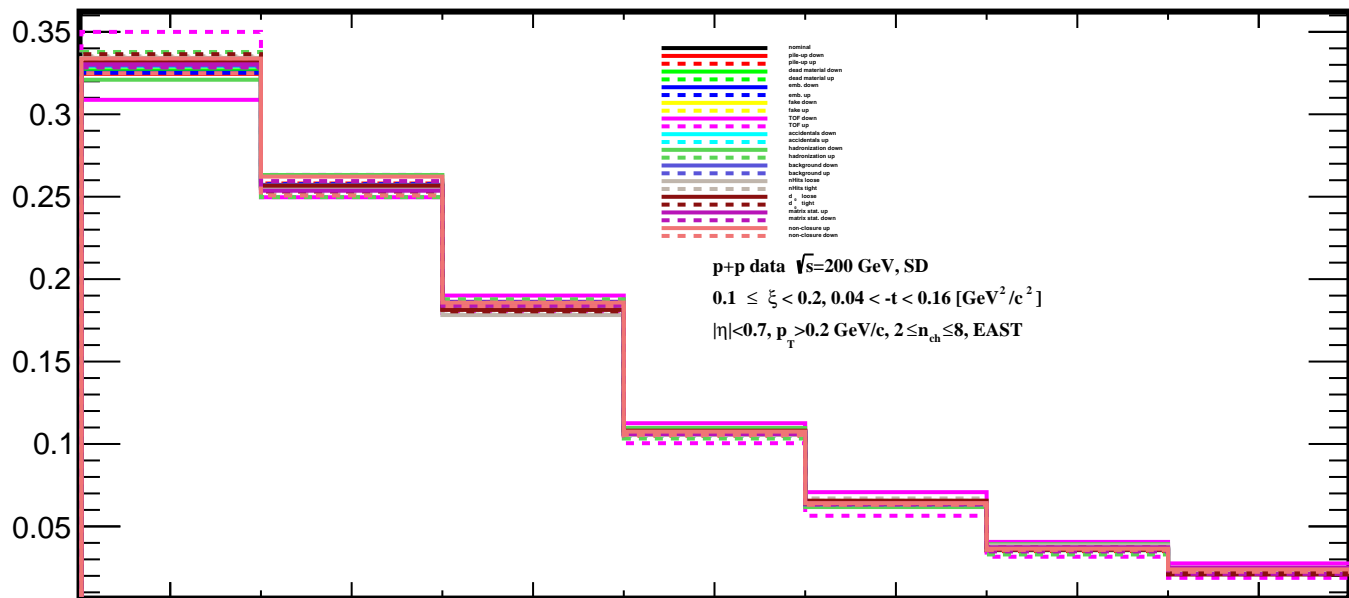




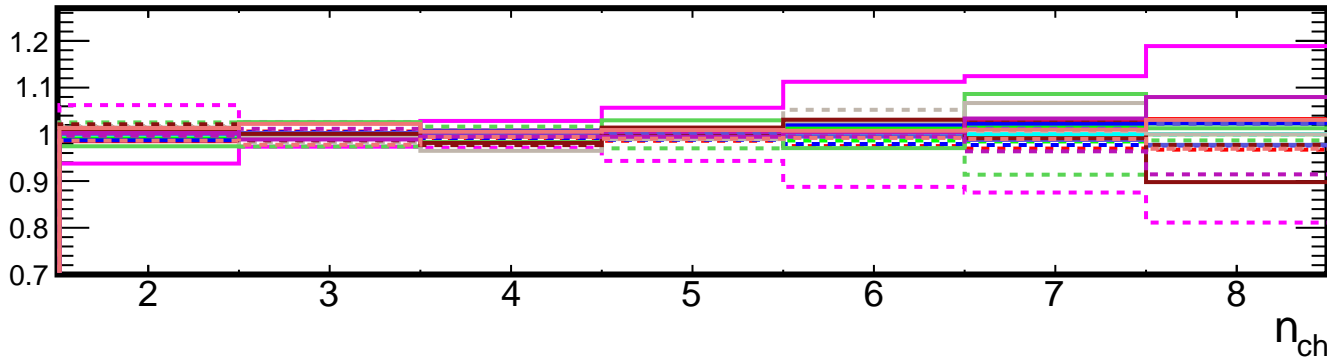




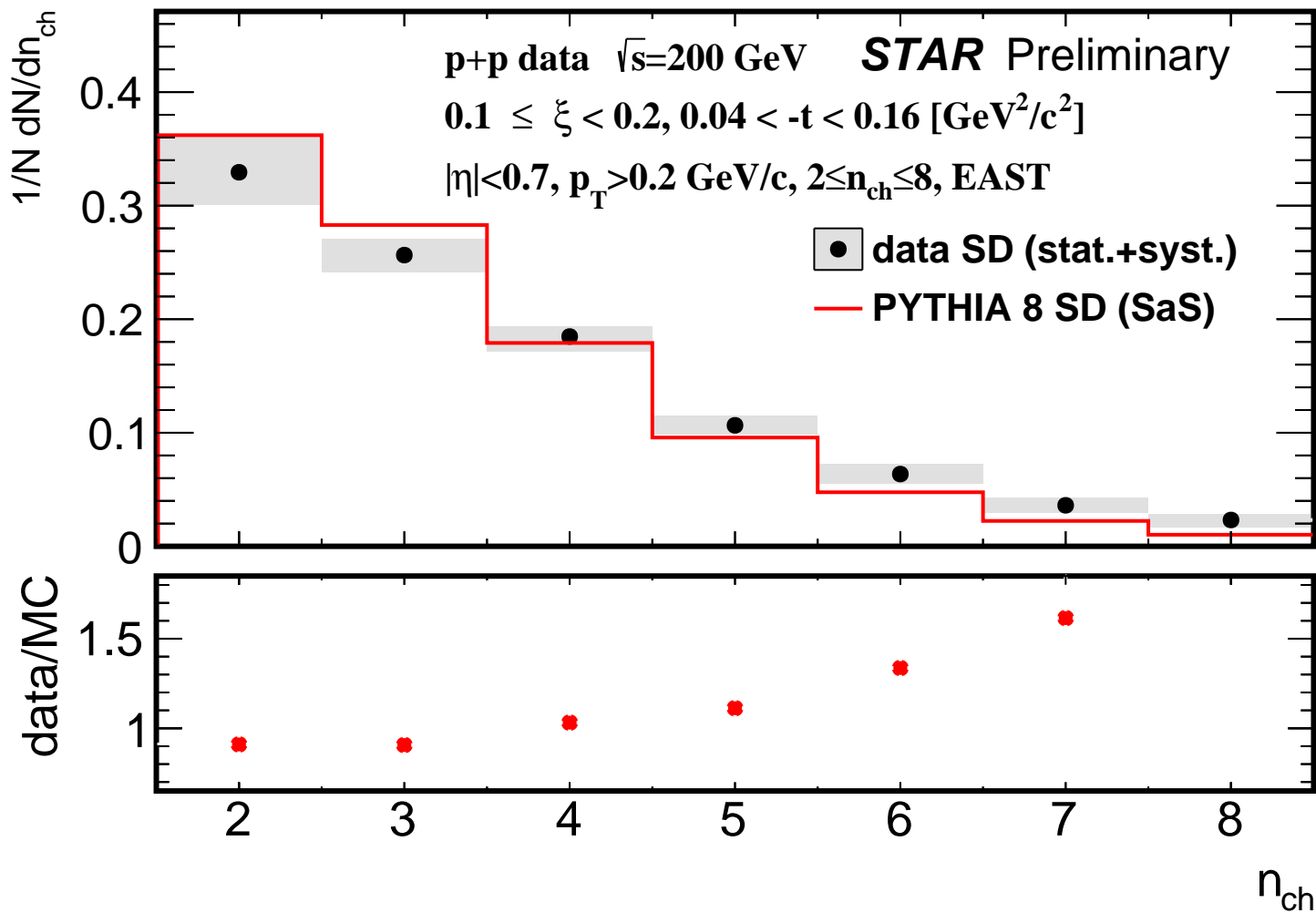


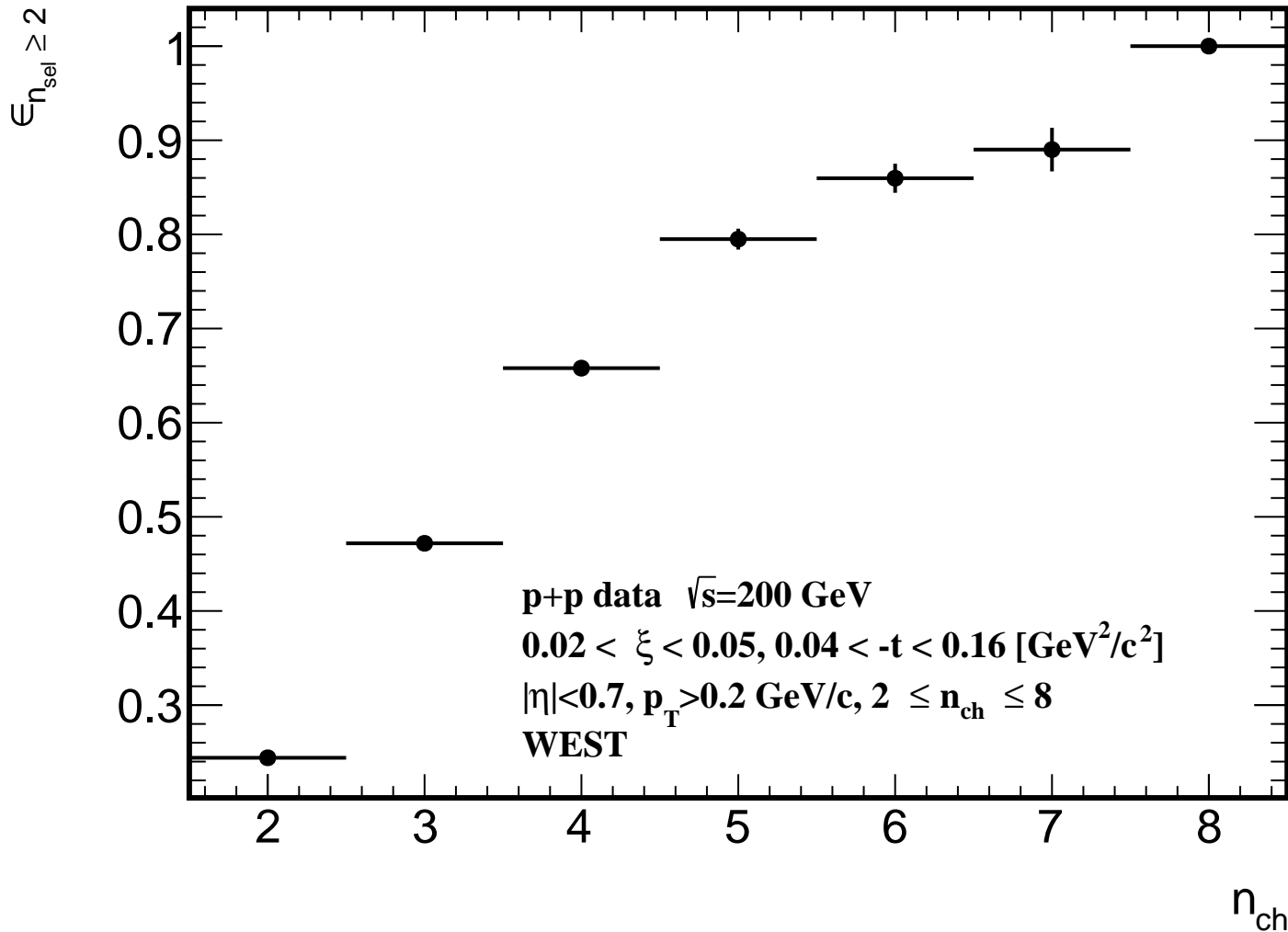
$1/N \, dN/dn_{\text{ch}}$ 

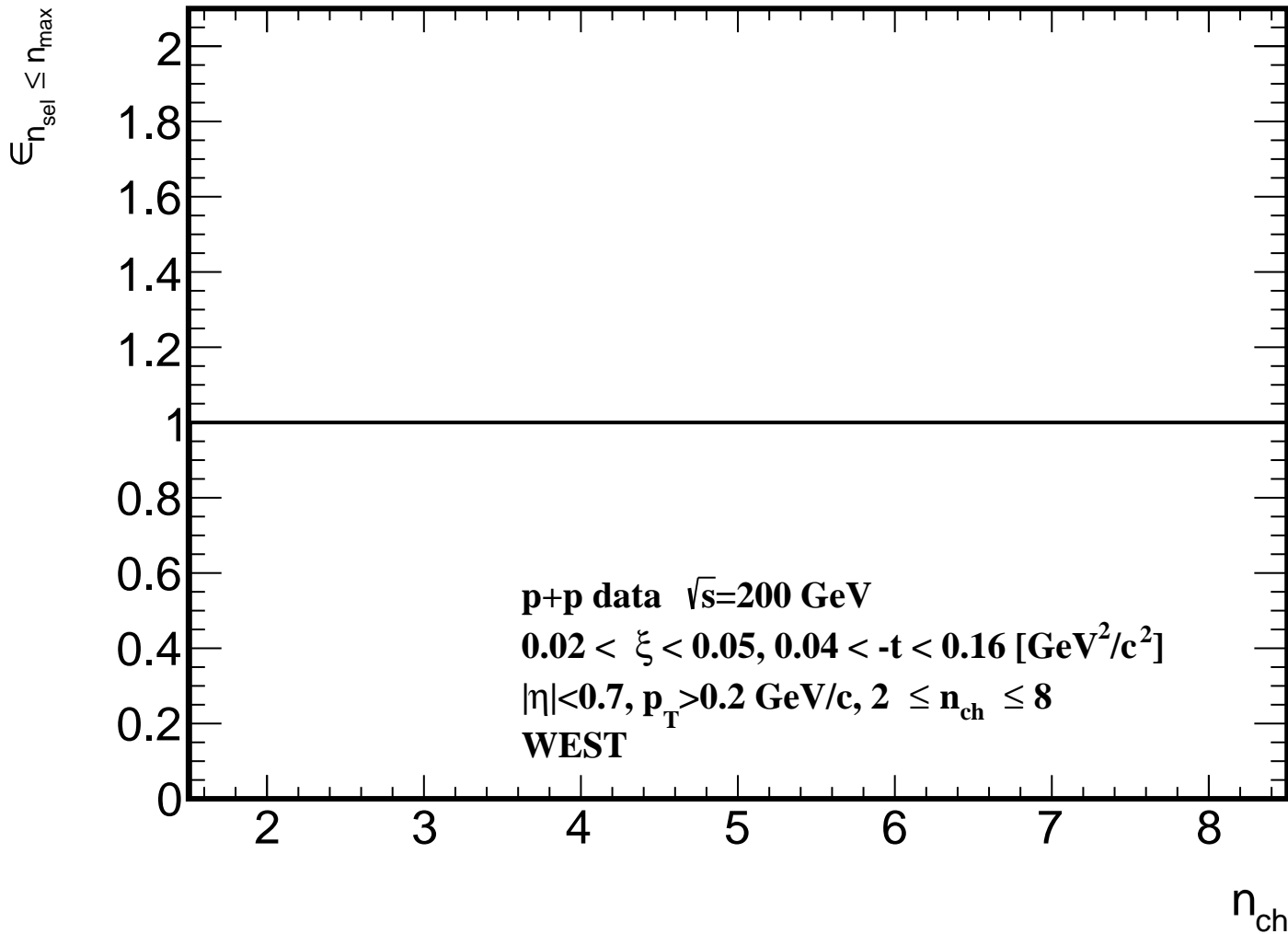
ratio

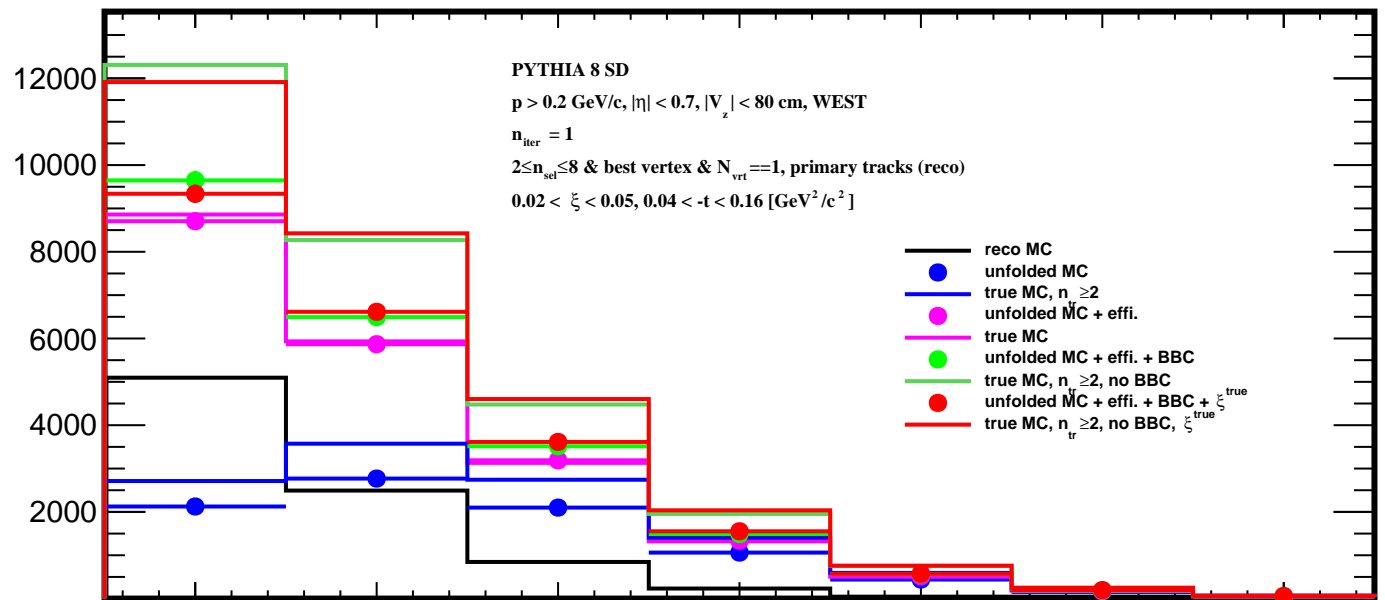
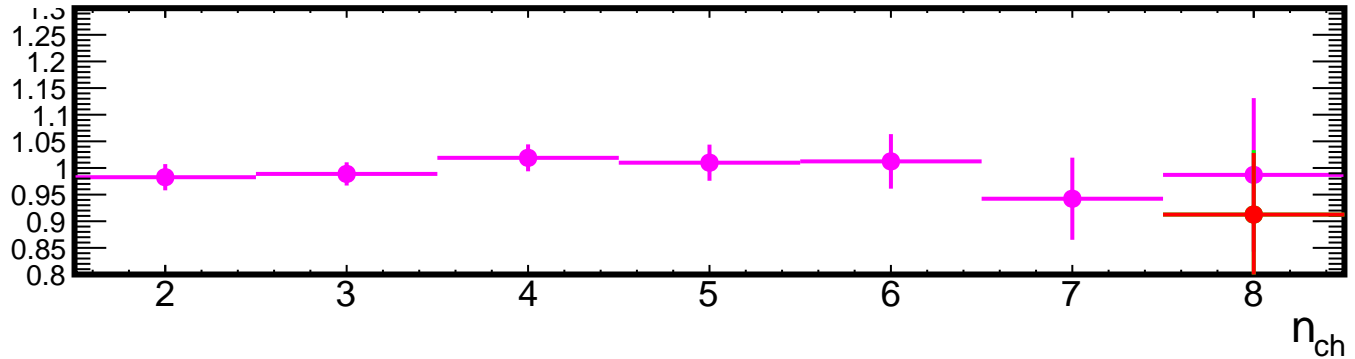










$dN/dn_{ch}$  $\text{unf}/\text{true}$ 

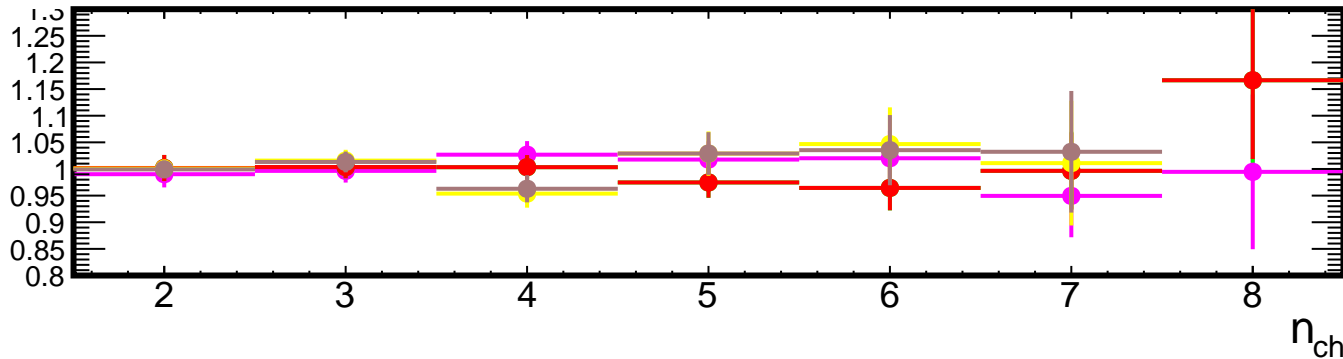
$1/N \, dN/dn_{\text{ch}}$ 

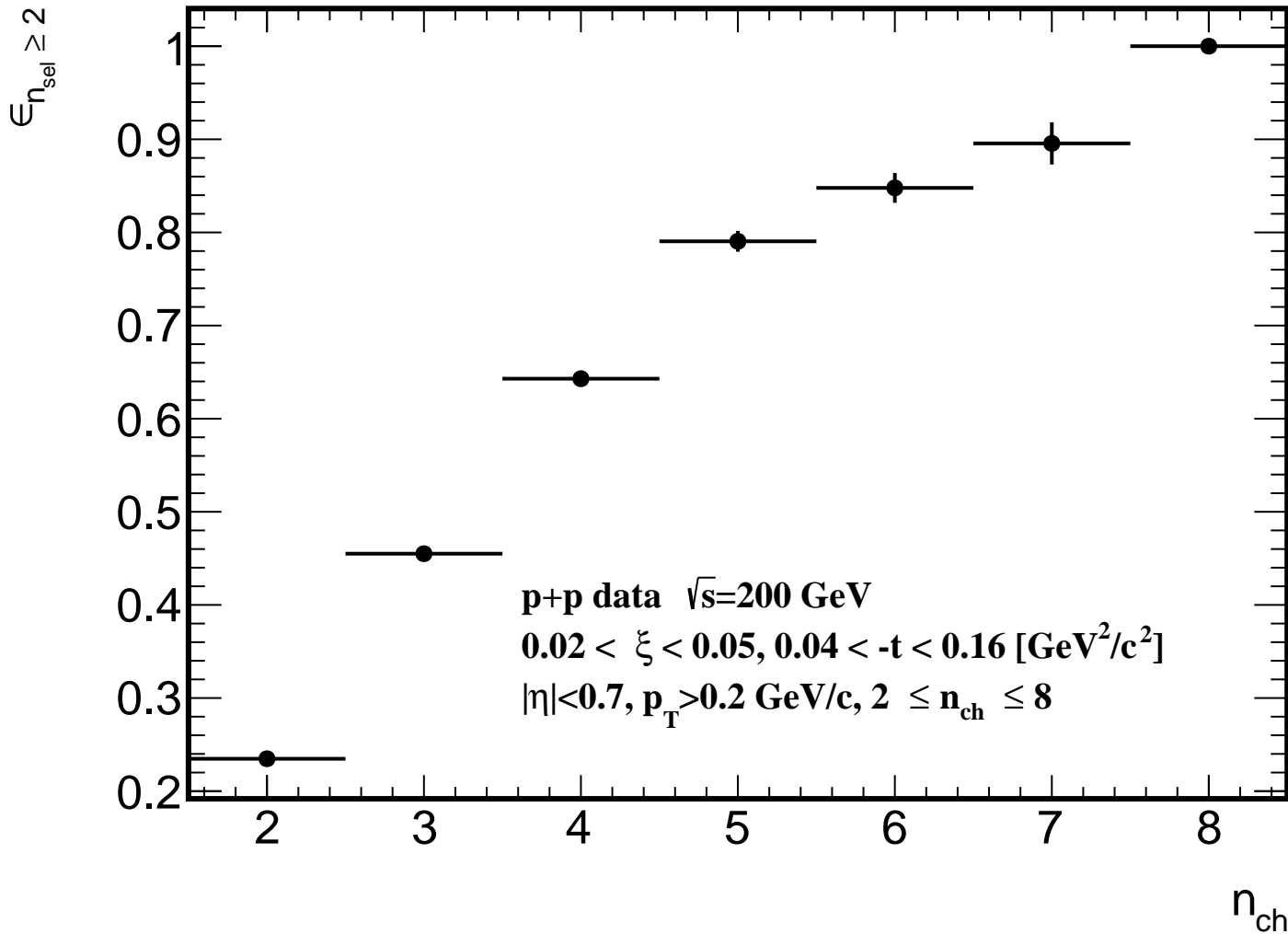
PYTHIA 8 SD

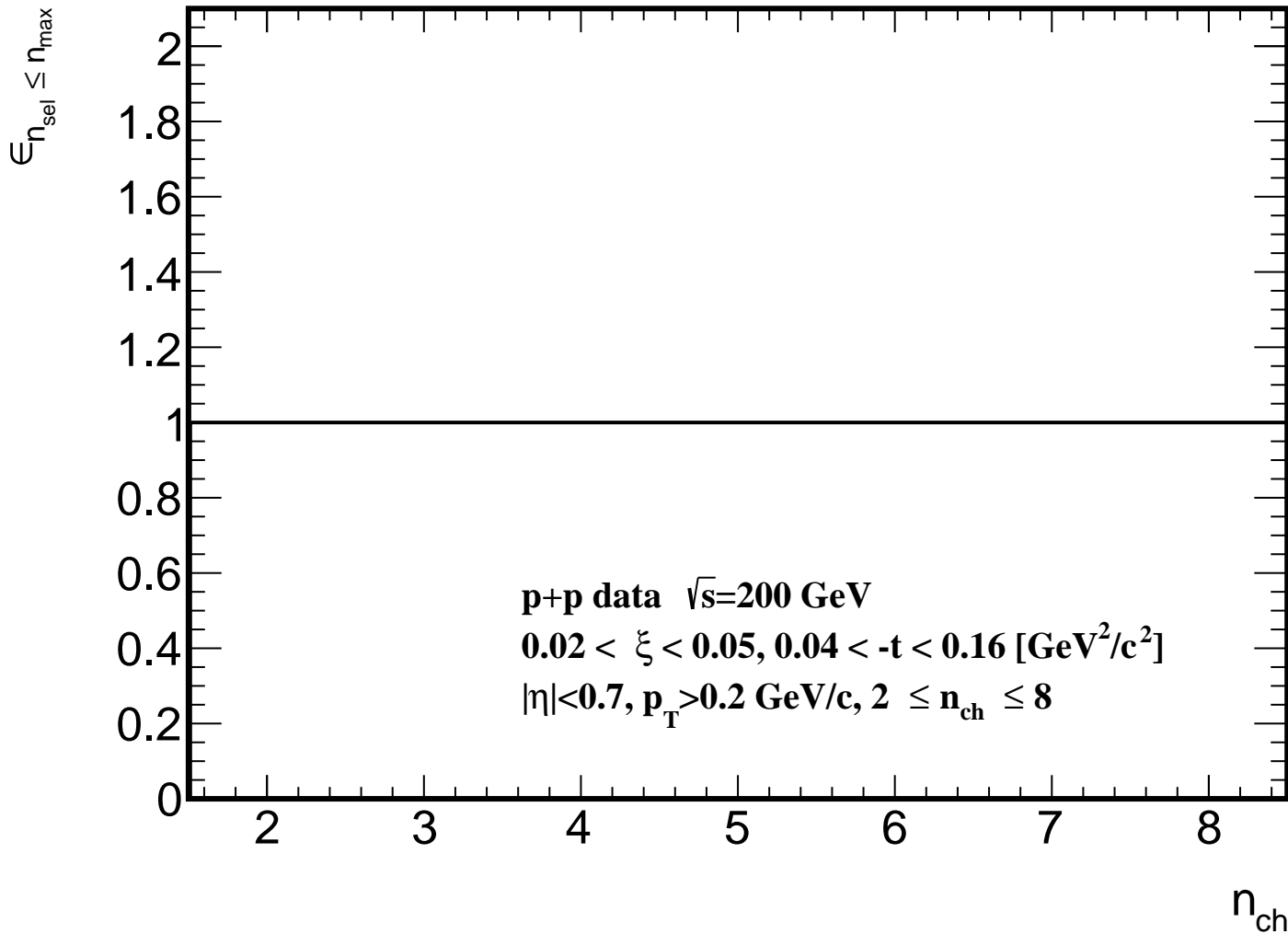
 $p > 0.2 \text{ GeV}/c, |\eta| < 0.7, |V_z| < 80 \text{ cm, WEST}$  $n_{\text{iter}} = 1$  $2 \leq n_{\text{sel}} \leq 8 \text{ \& best vertex \& } N_{\text{vtx}} = 1, \text{ primary tracks (reco)}$  $0.02 < \xi < 0.05, 0.04 < -t < 0.16 \text{ [GeV}^2/c^2 \text{]}$ 

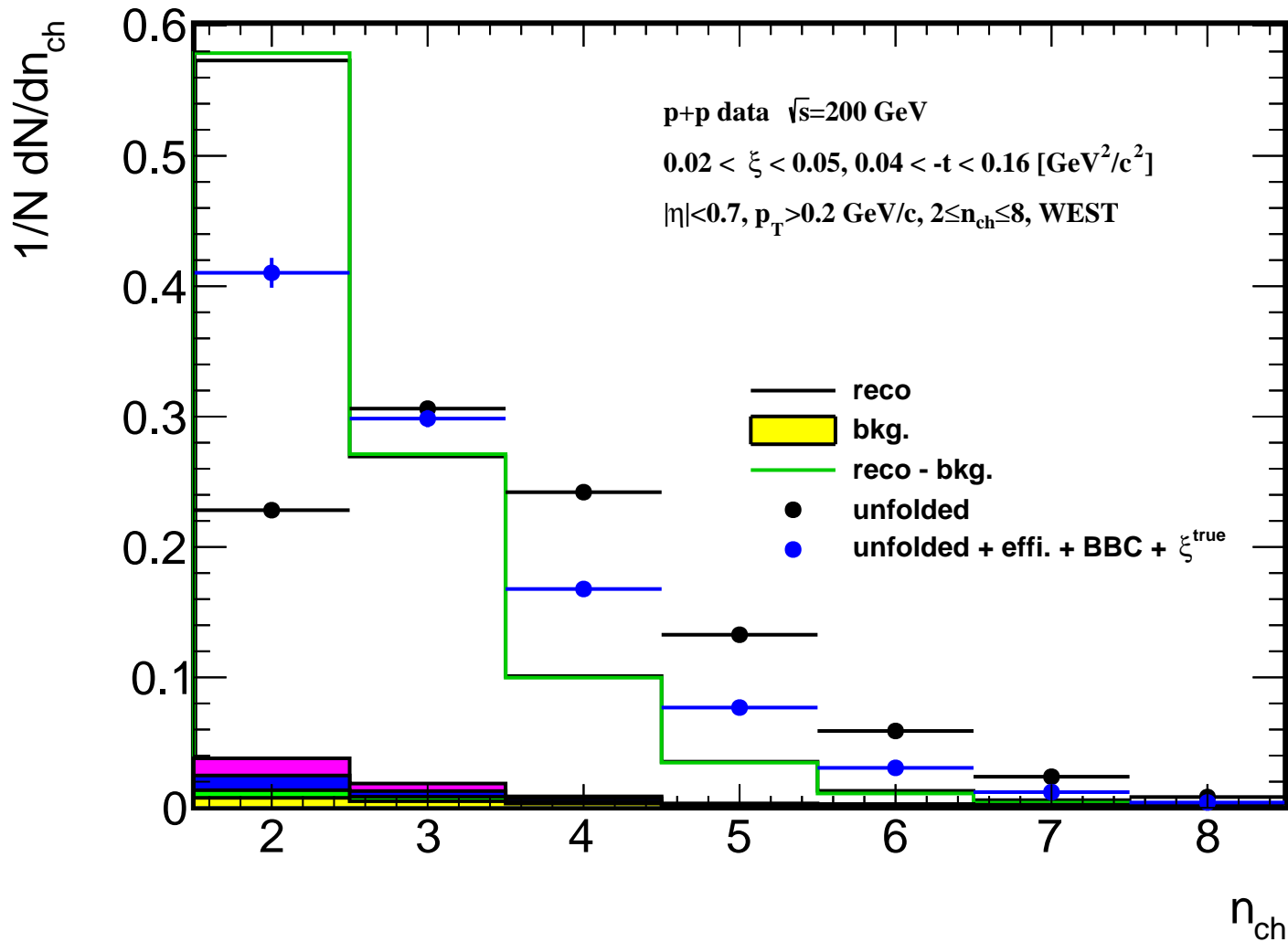
- reco MC
- unfolded MC
- true MC,  $n_{\text{tr}} \geq 2$
- unfolded MC + effi.
- true MC
- unfolded MC + effi. + BBC
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC
- unfolded MC + effi. + BBC,  $\xi_{\text{true}}^{\text{true}}$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}^{\text{true}}$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}^{\text{true}}$ ,  $-t$ , no vtx

unf/true

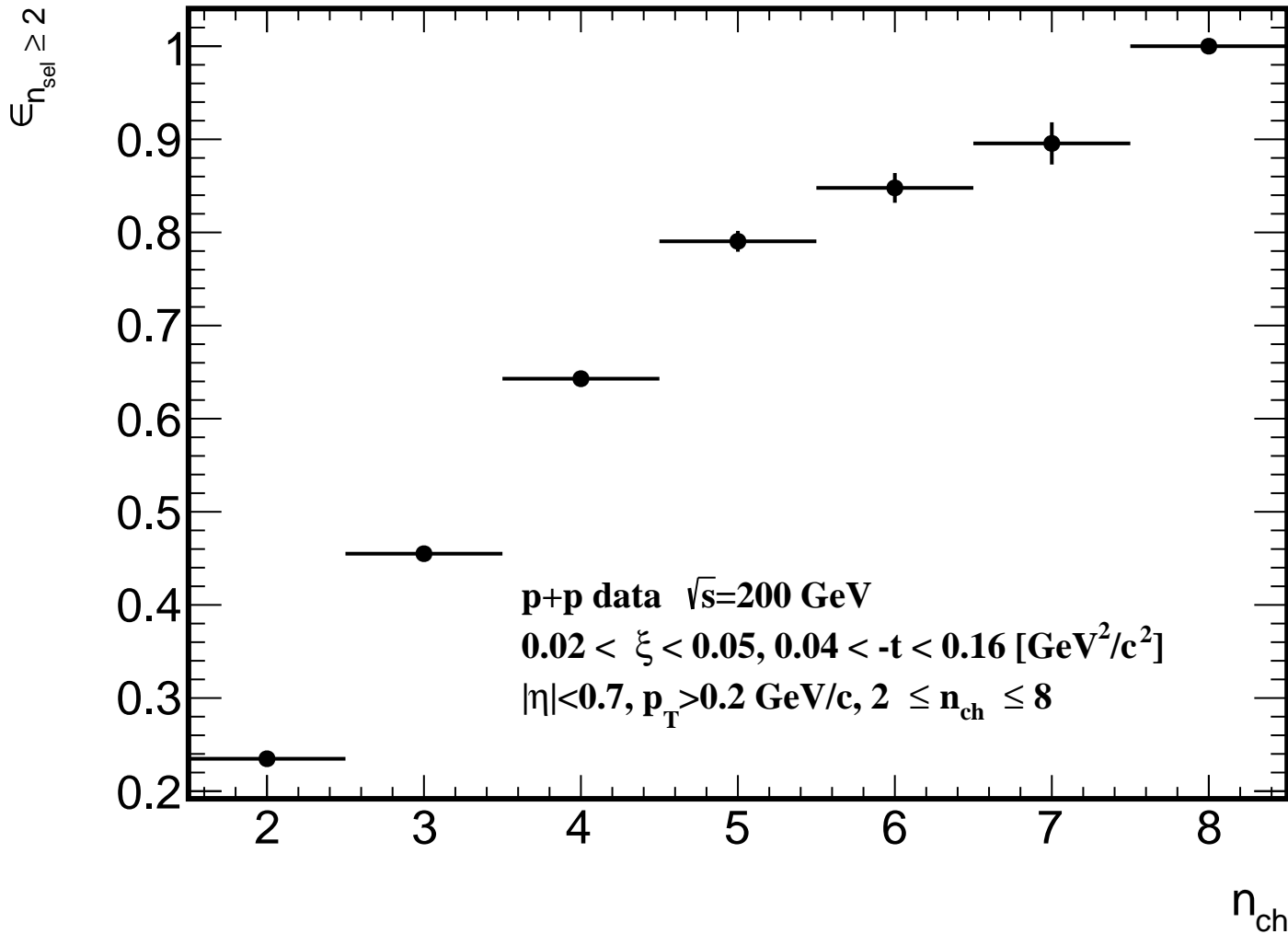


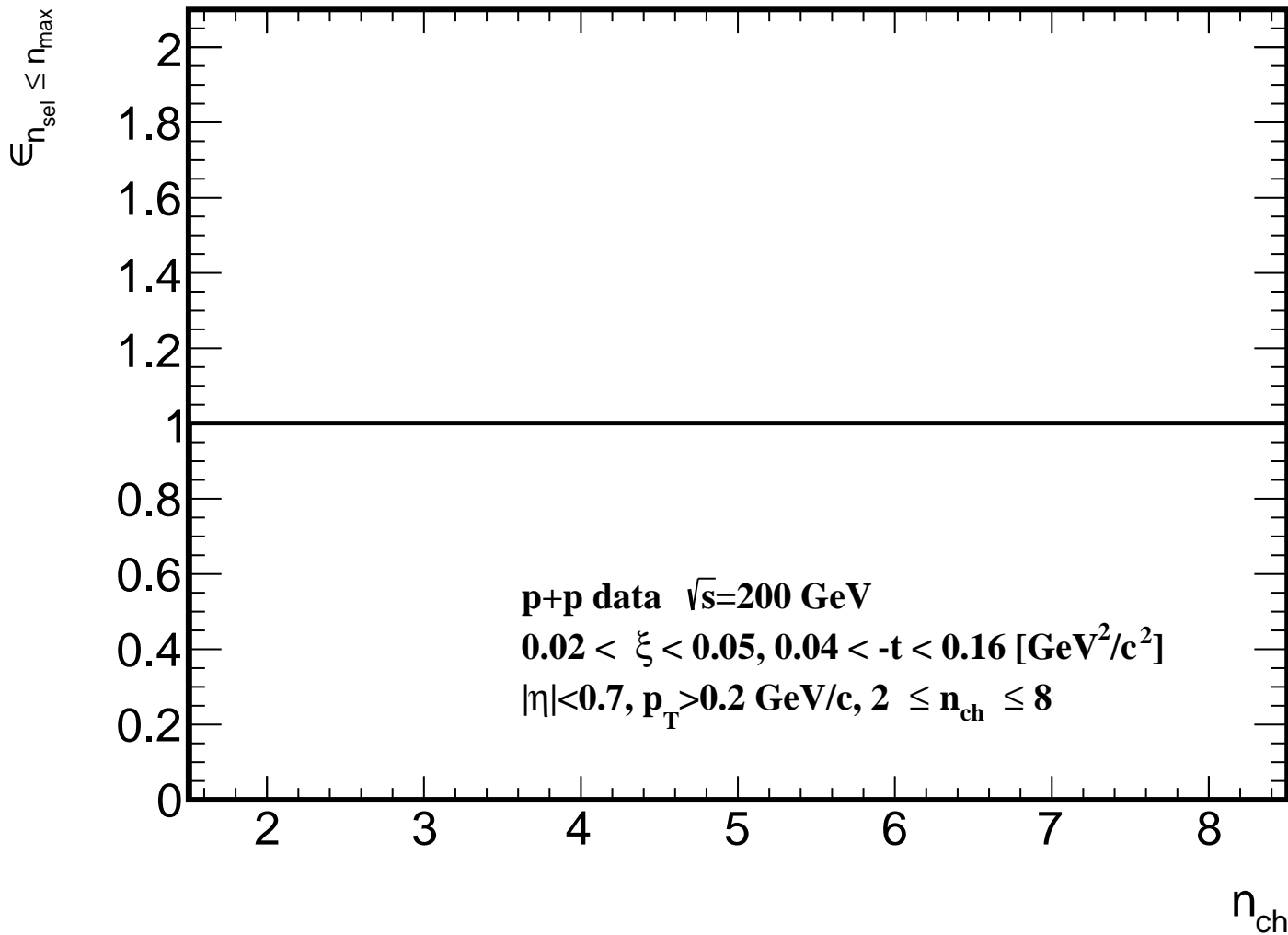


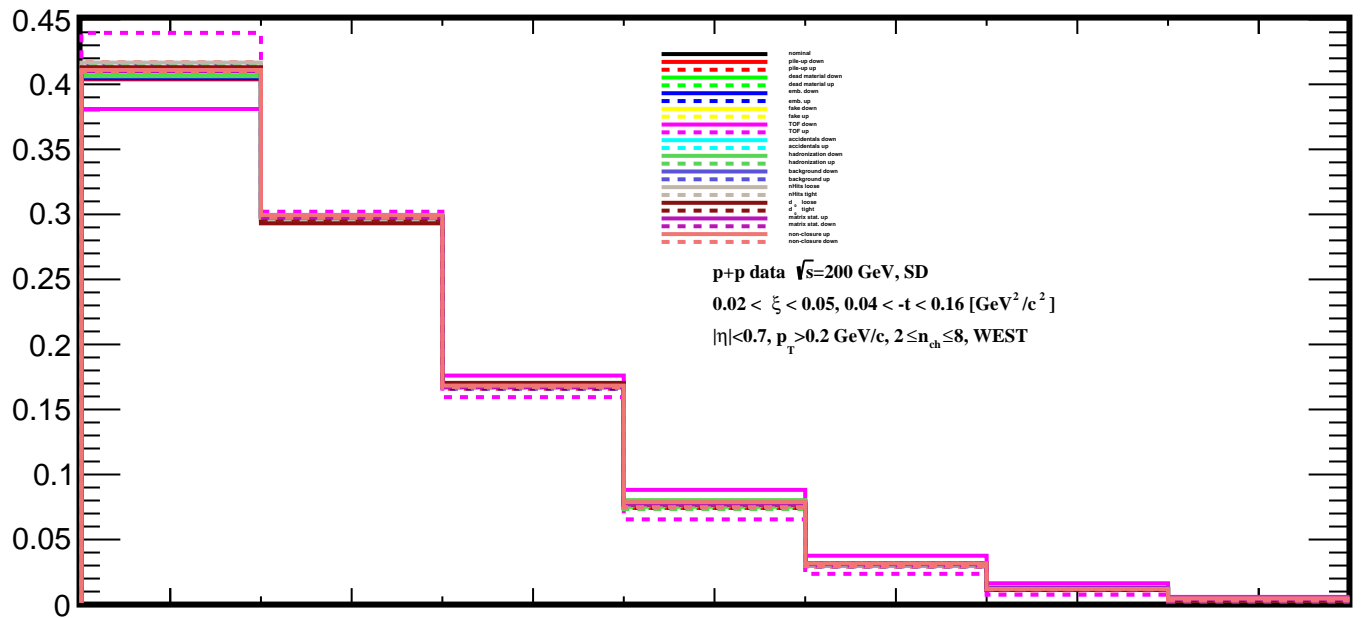




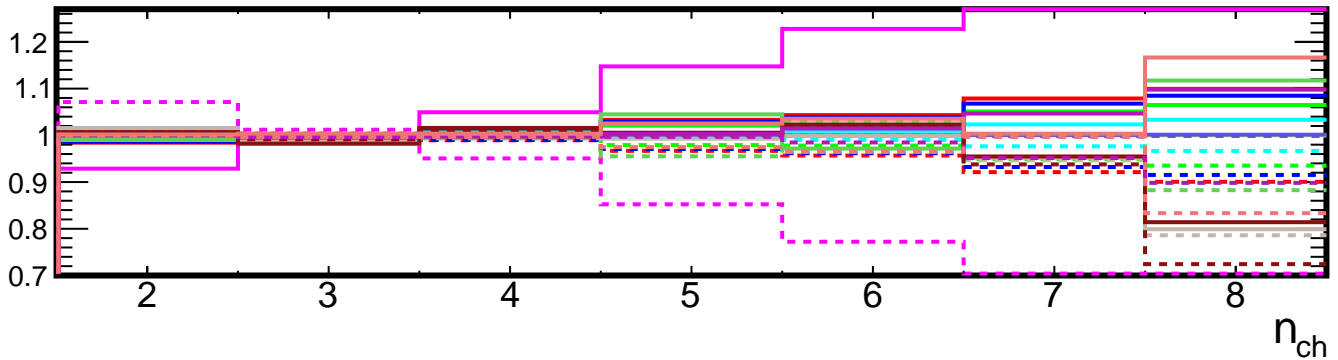


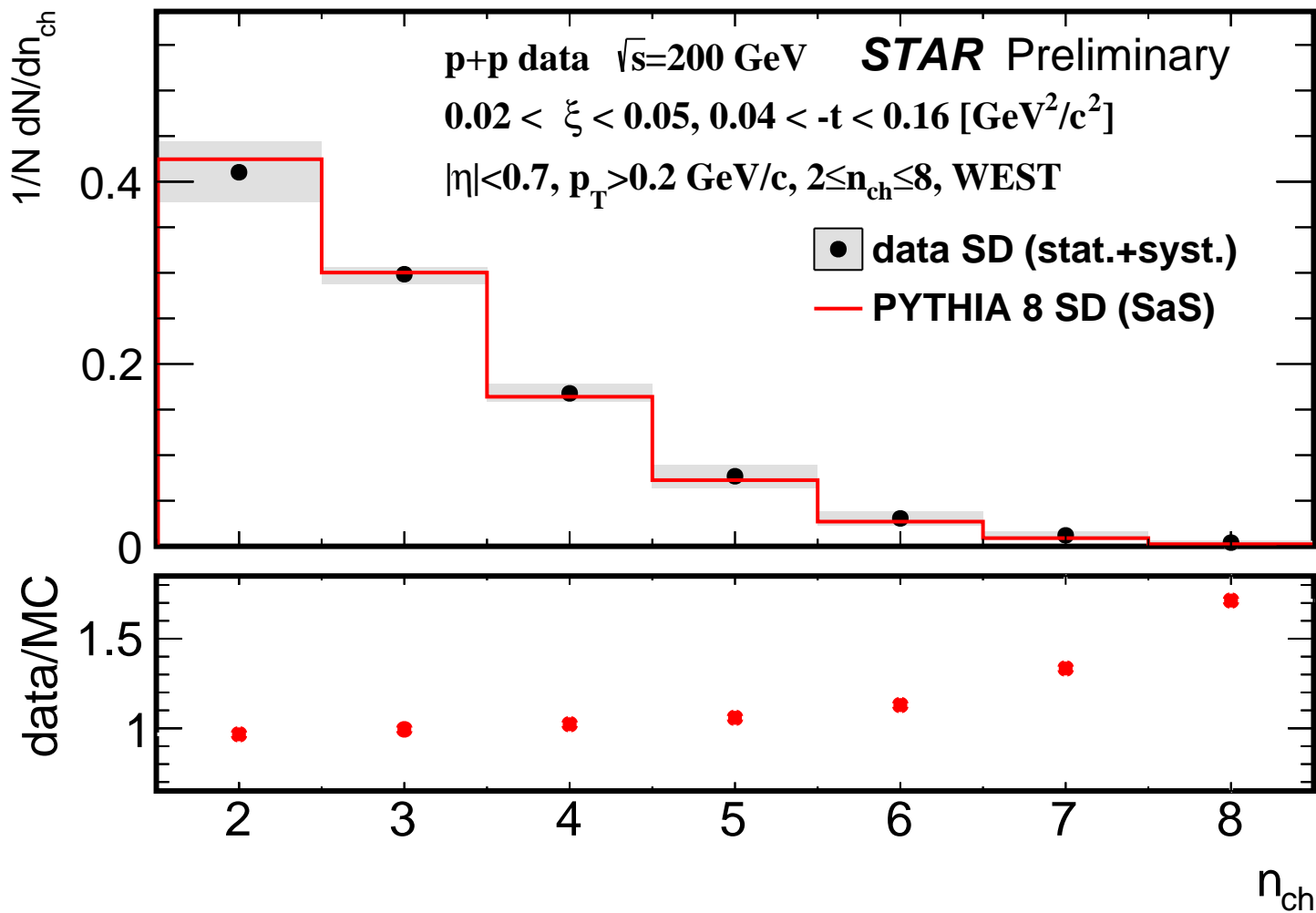


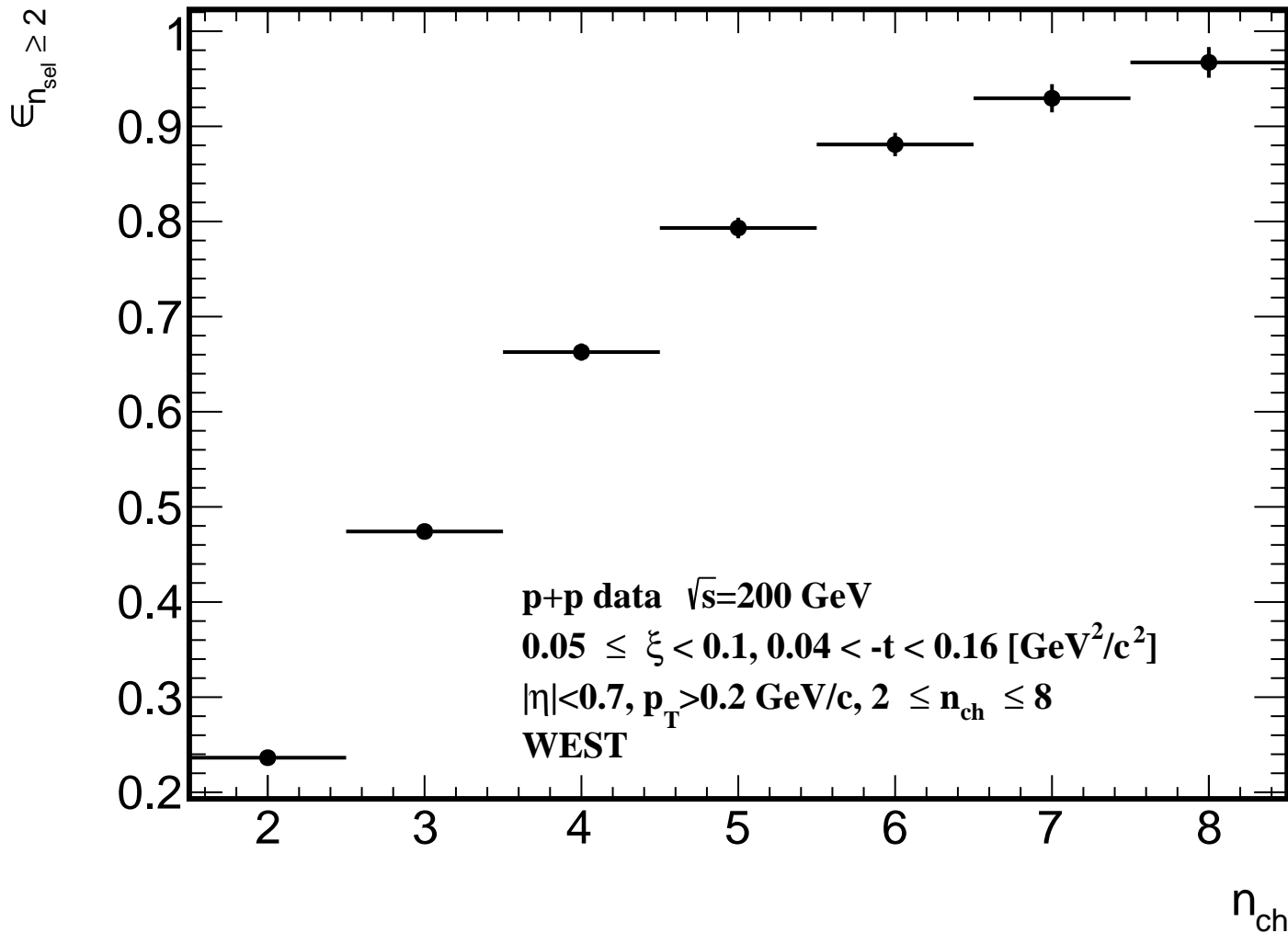


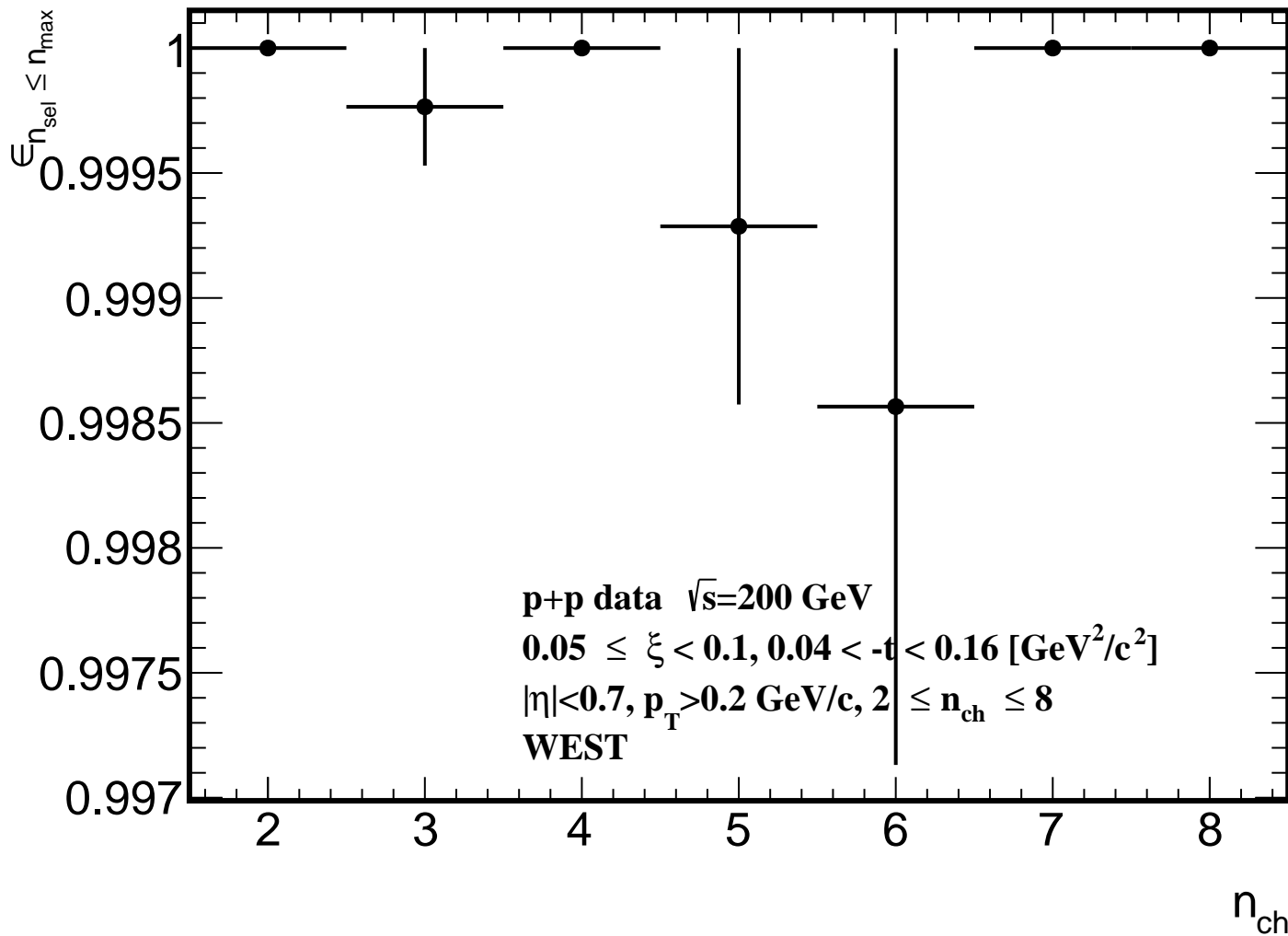
$1/N \, dN/dn_{\text{ch}}$ 

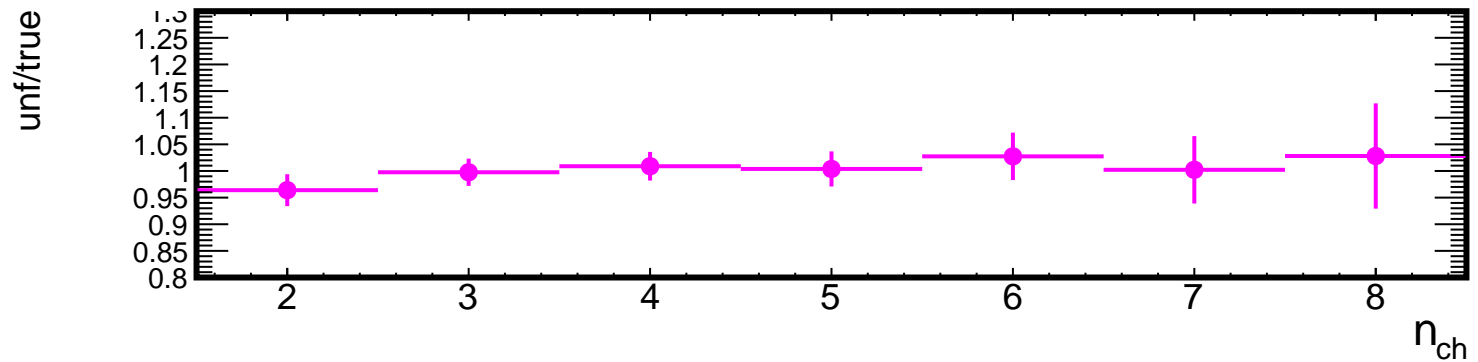
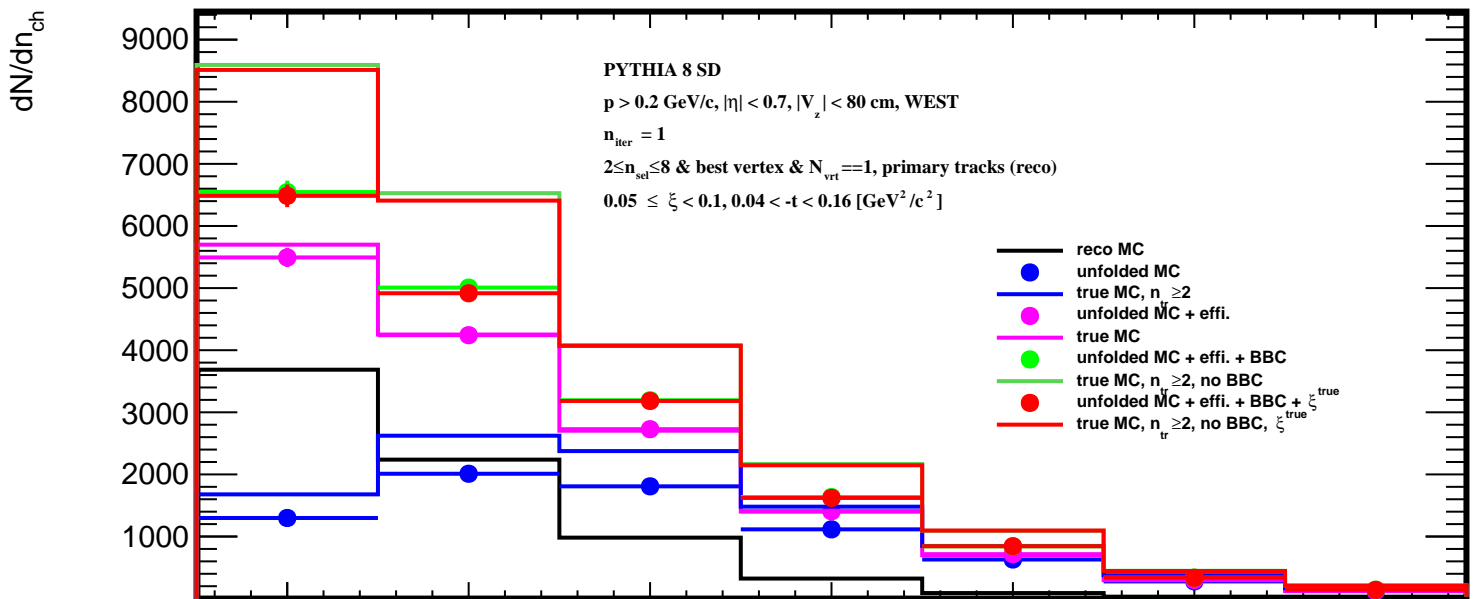
ratio





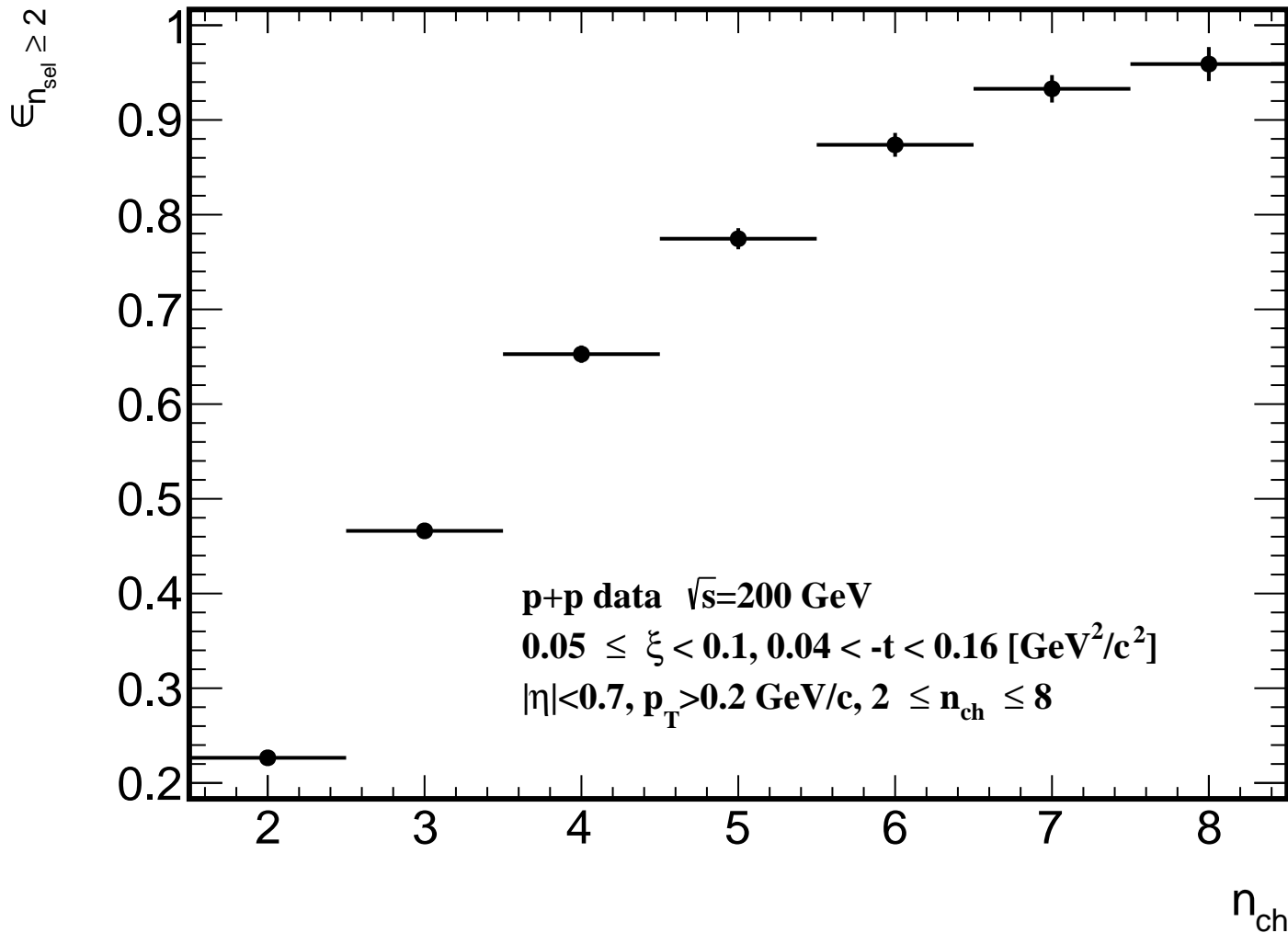


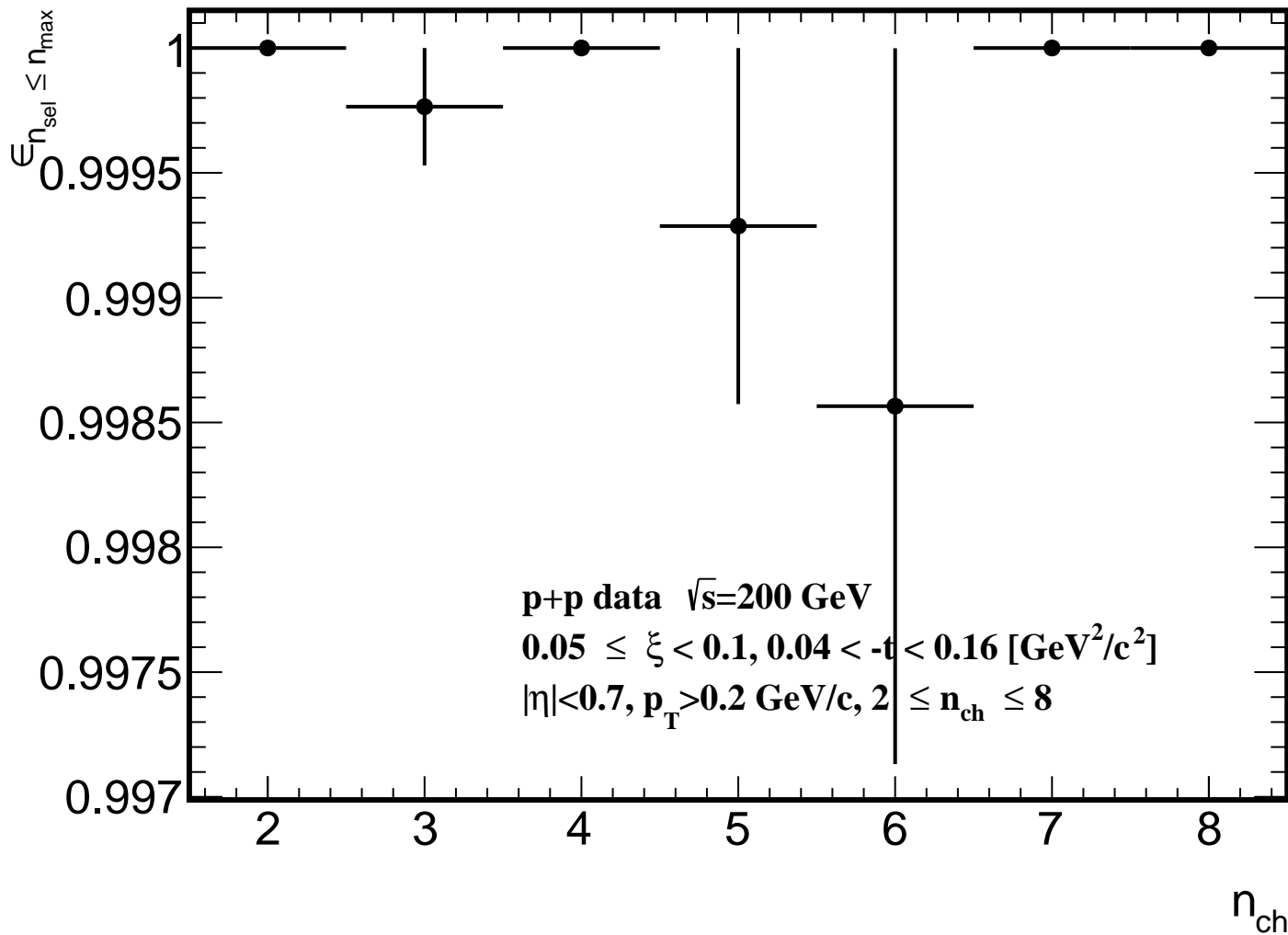


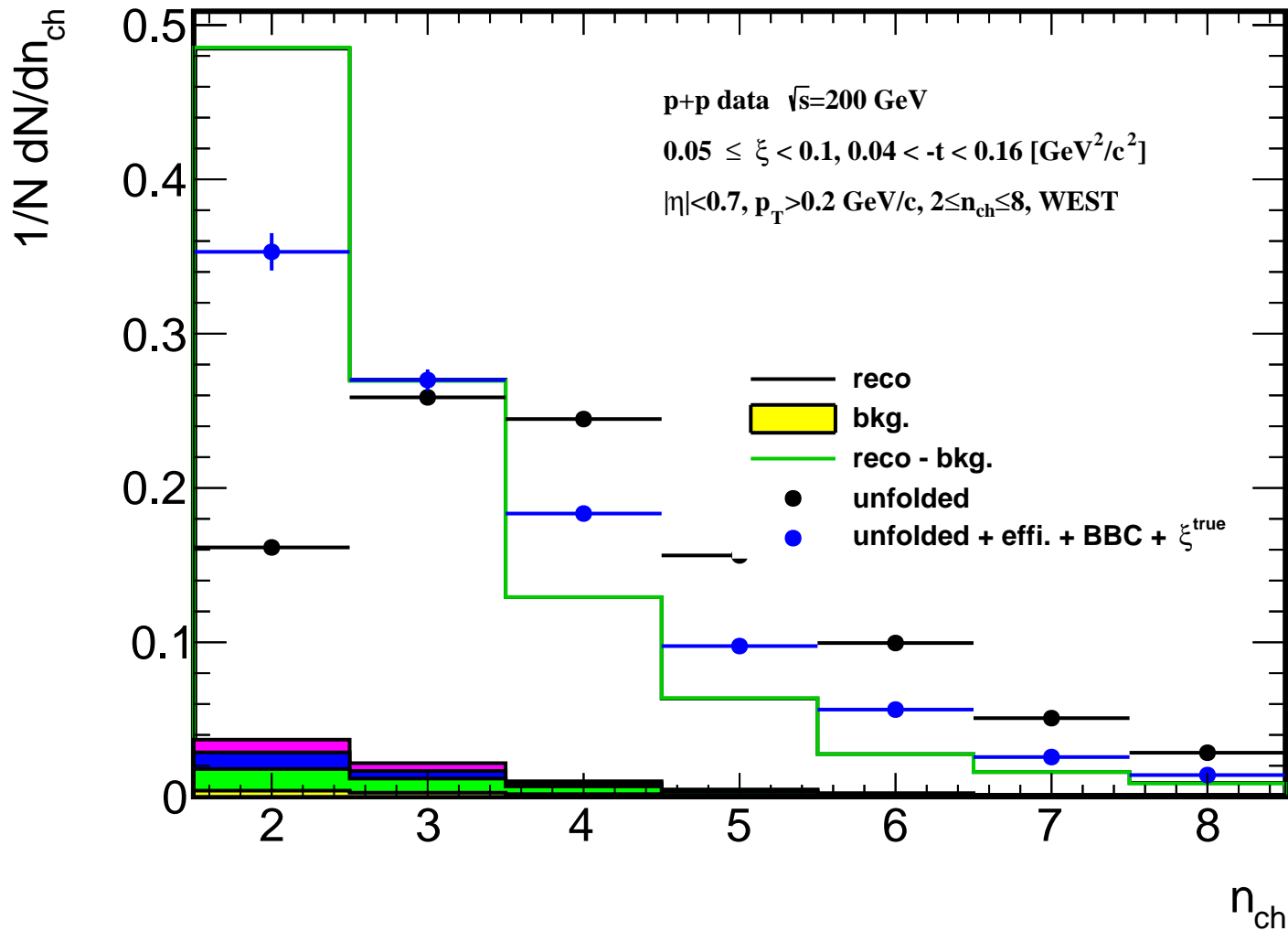


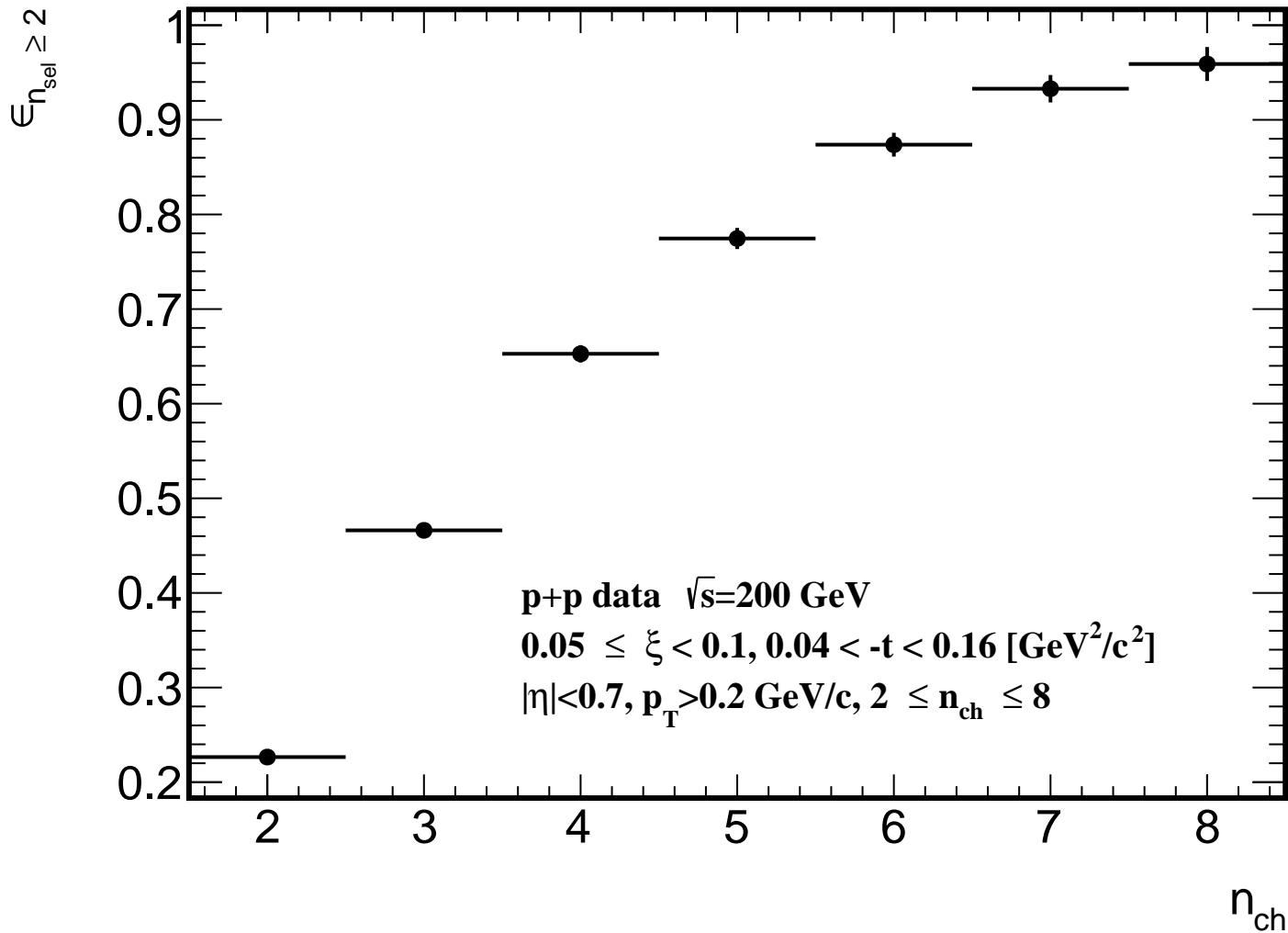


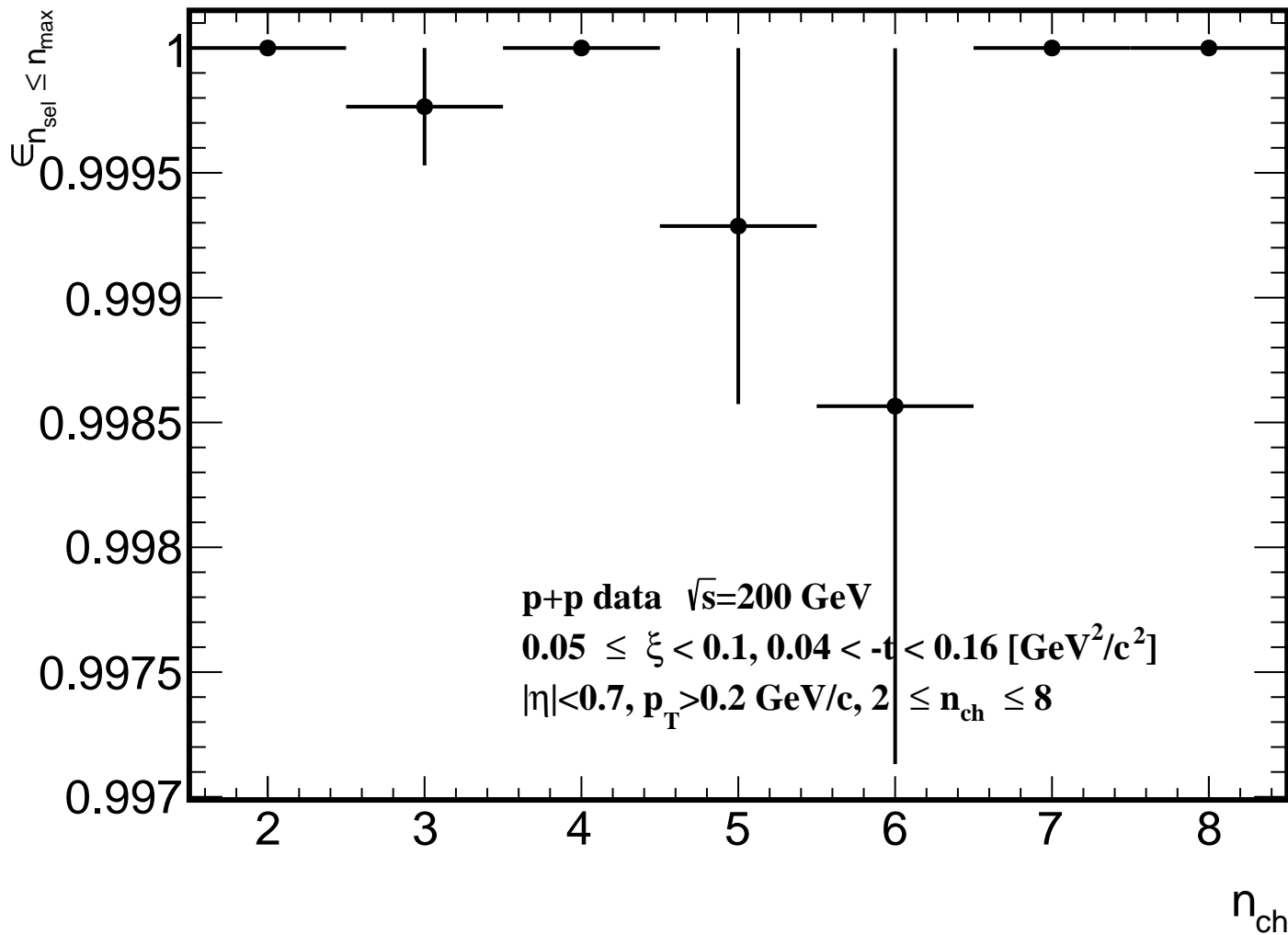


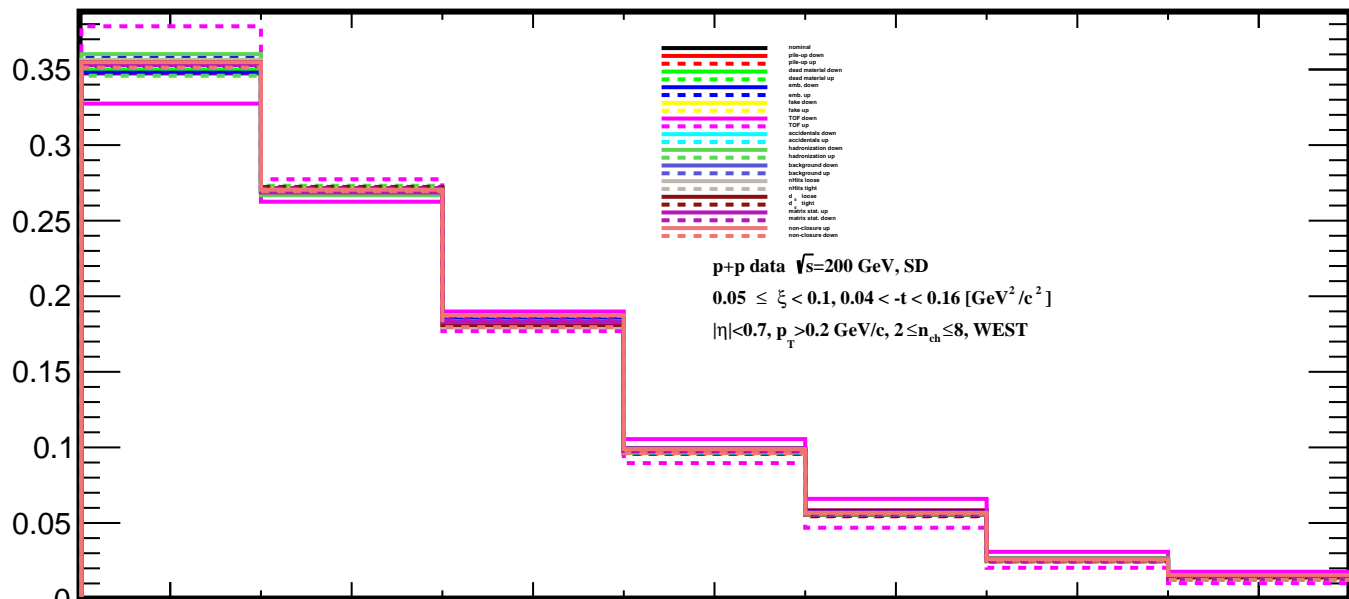




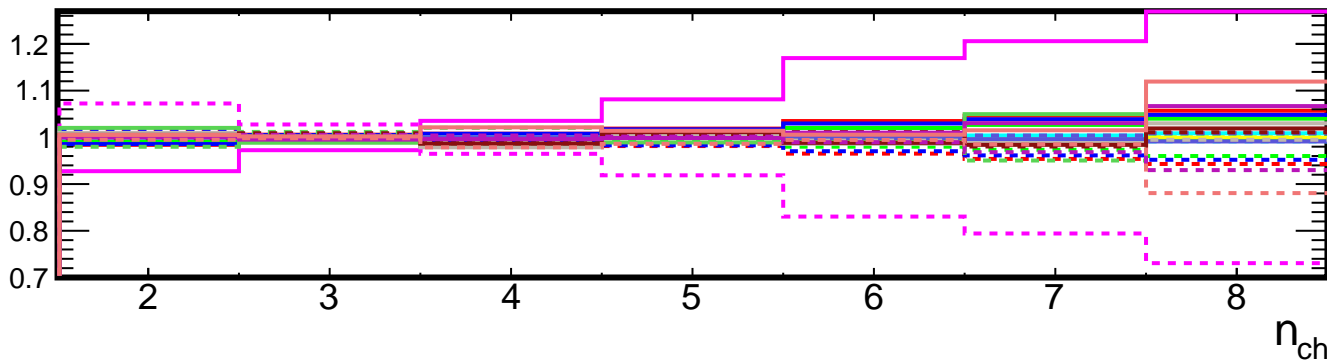


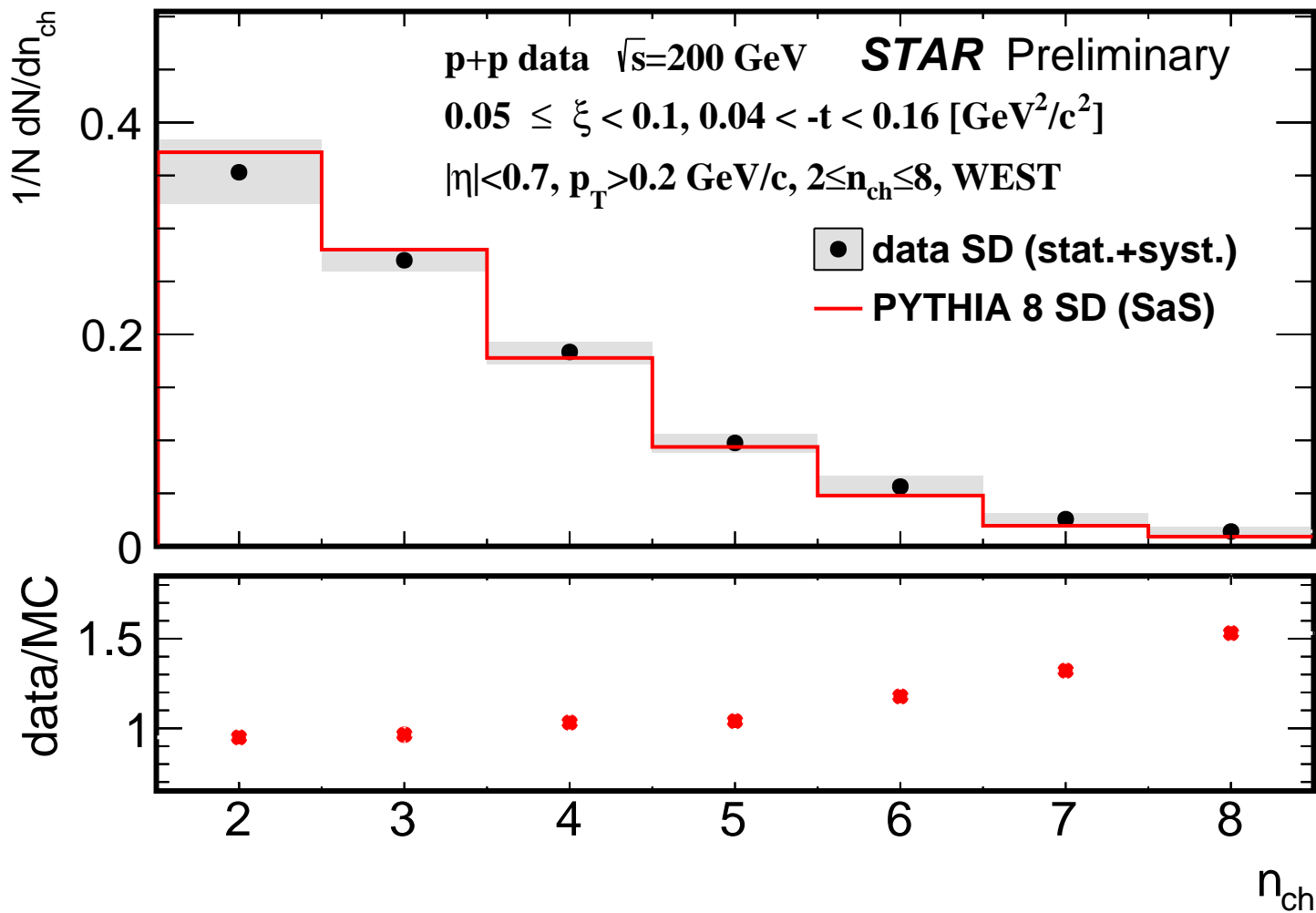


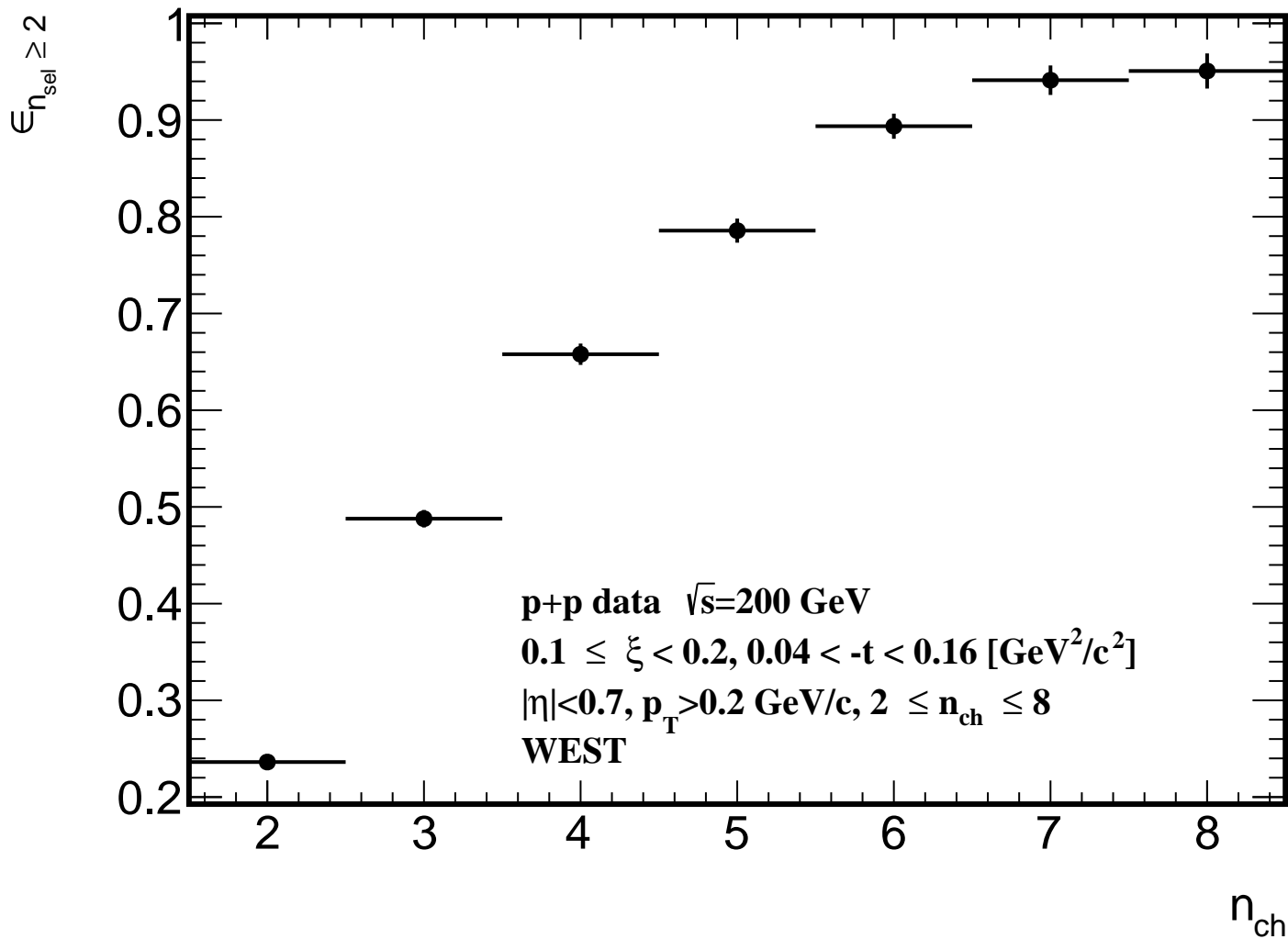


$1/N \, dN/dn_{\text{ch}}$ 

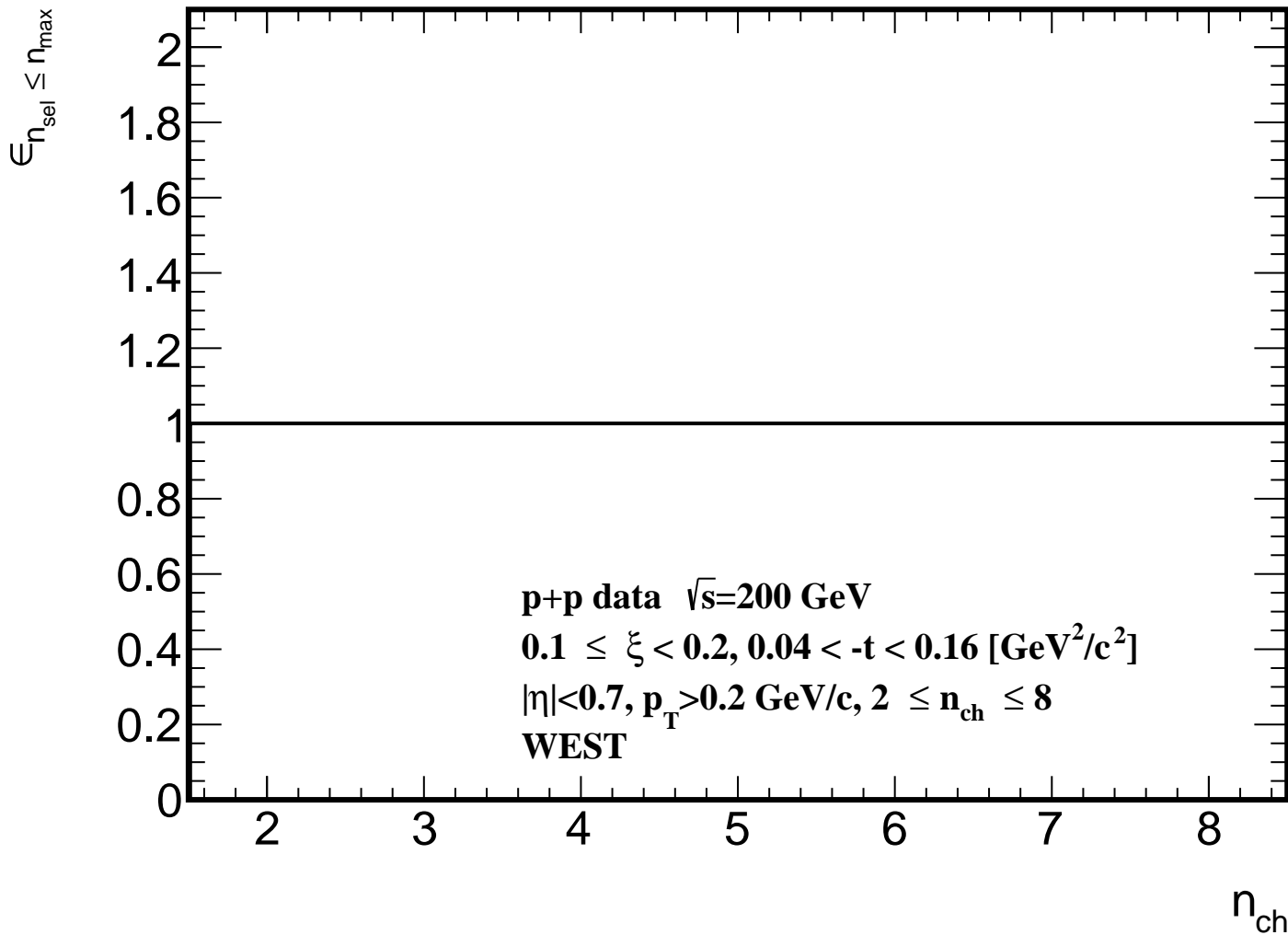
ratio

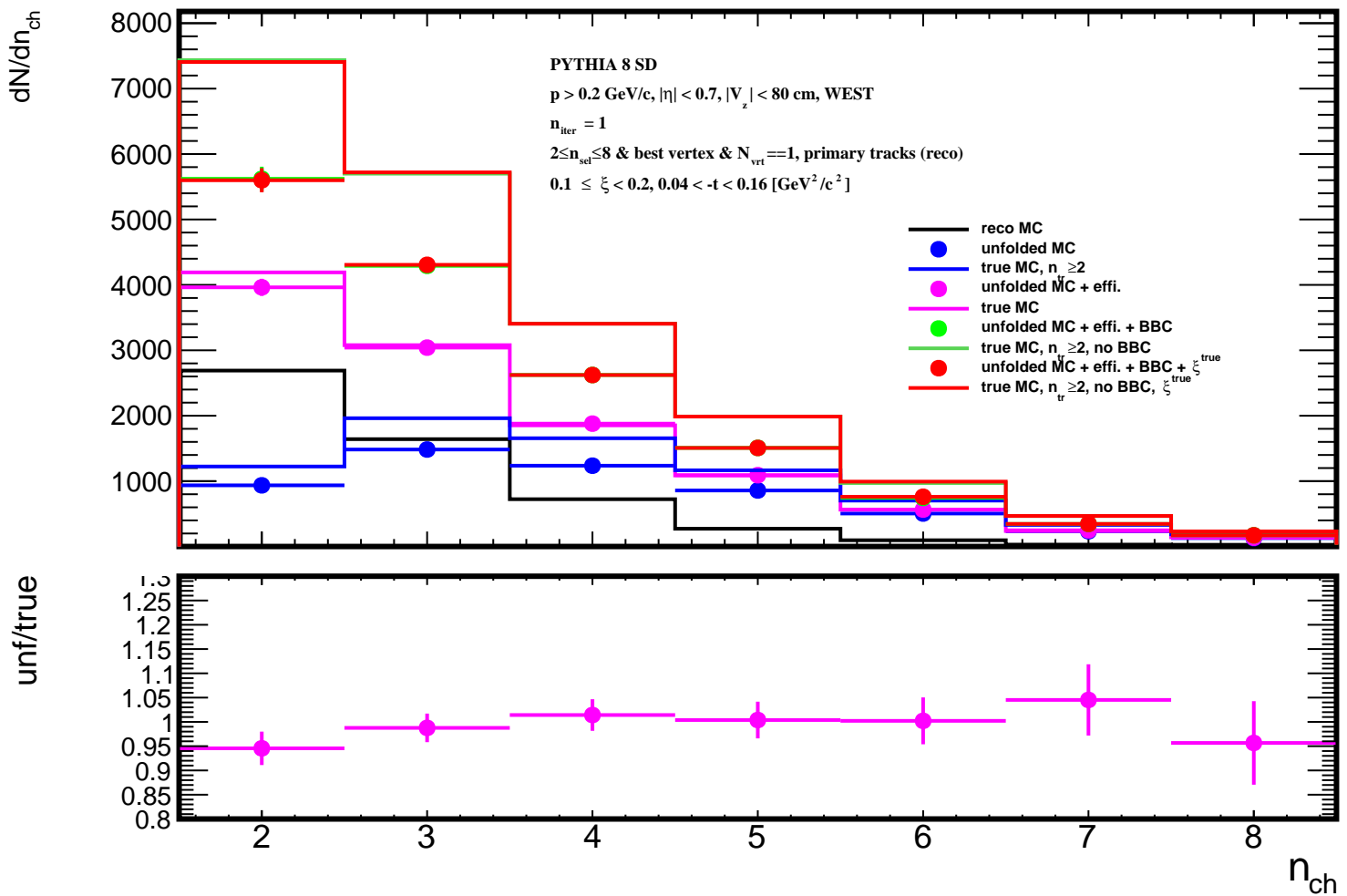












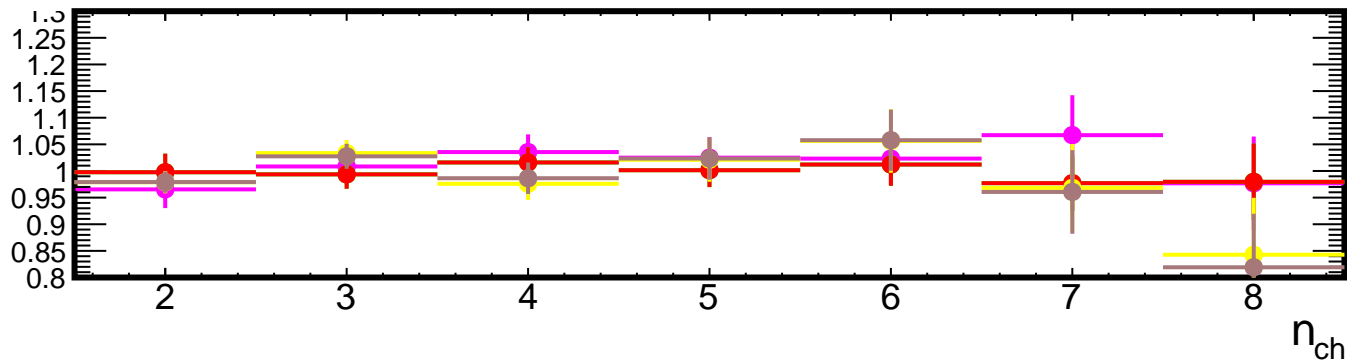
$1/N \, dN/dn_{\text{ch}}$ 

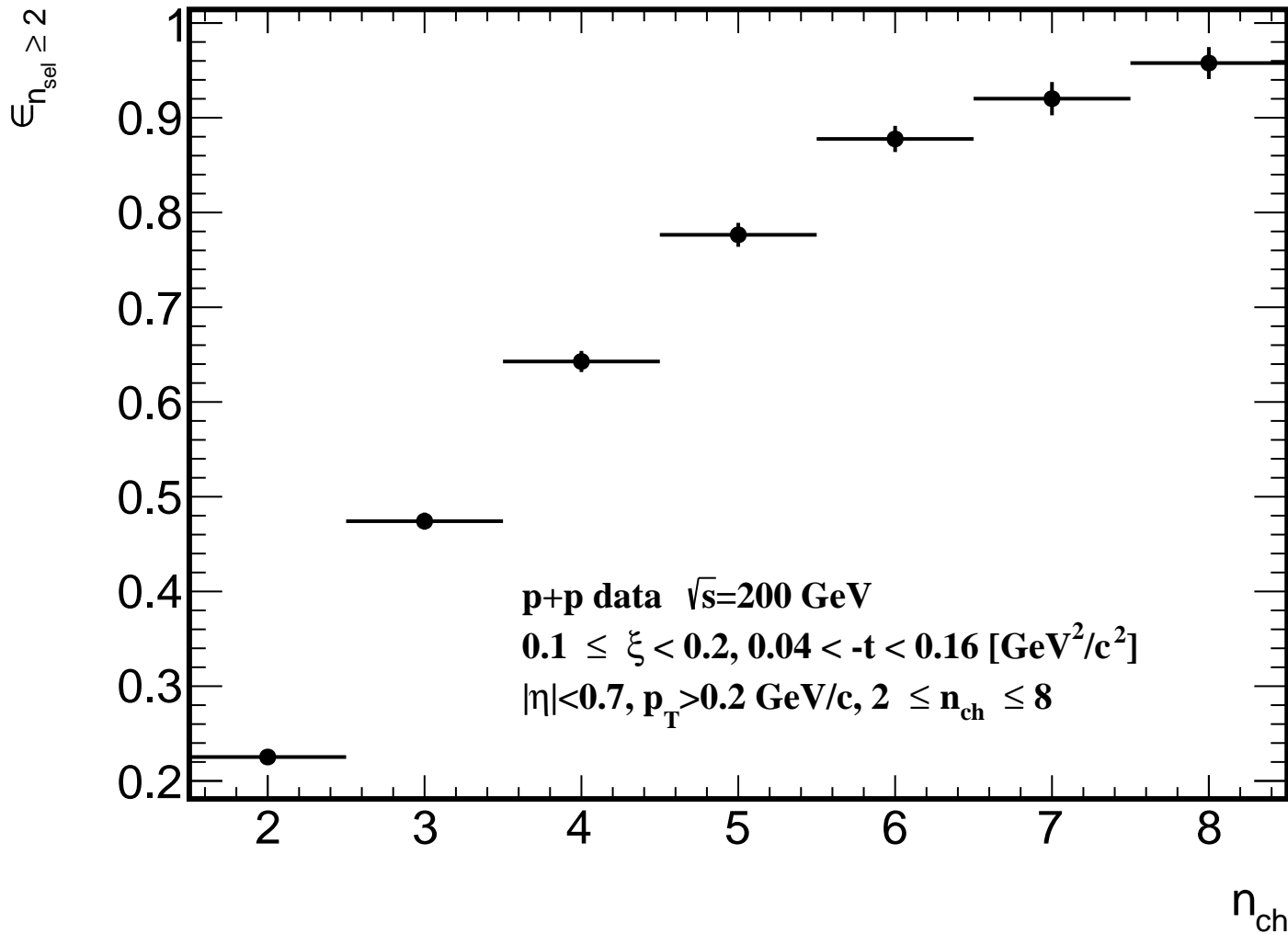
PYTHIA 8 SD

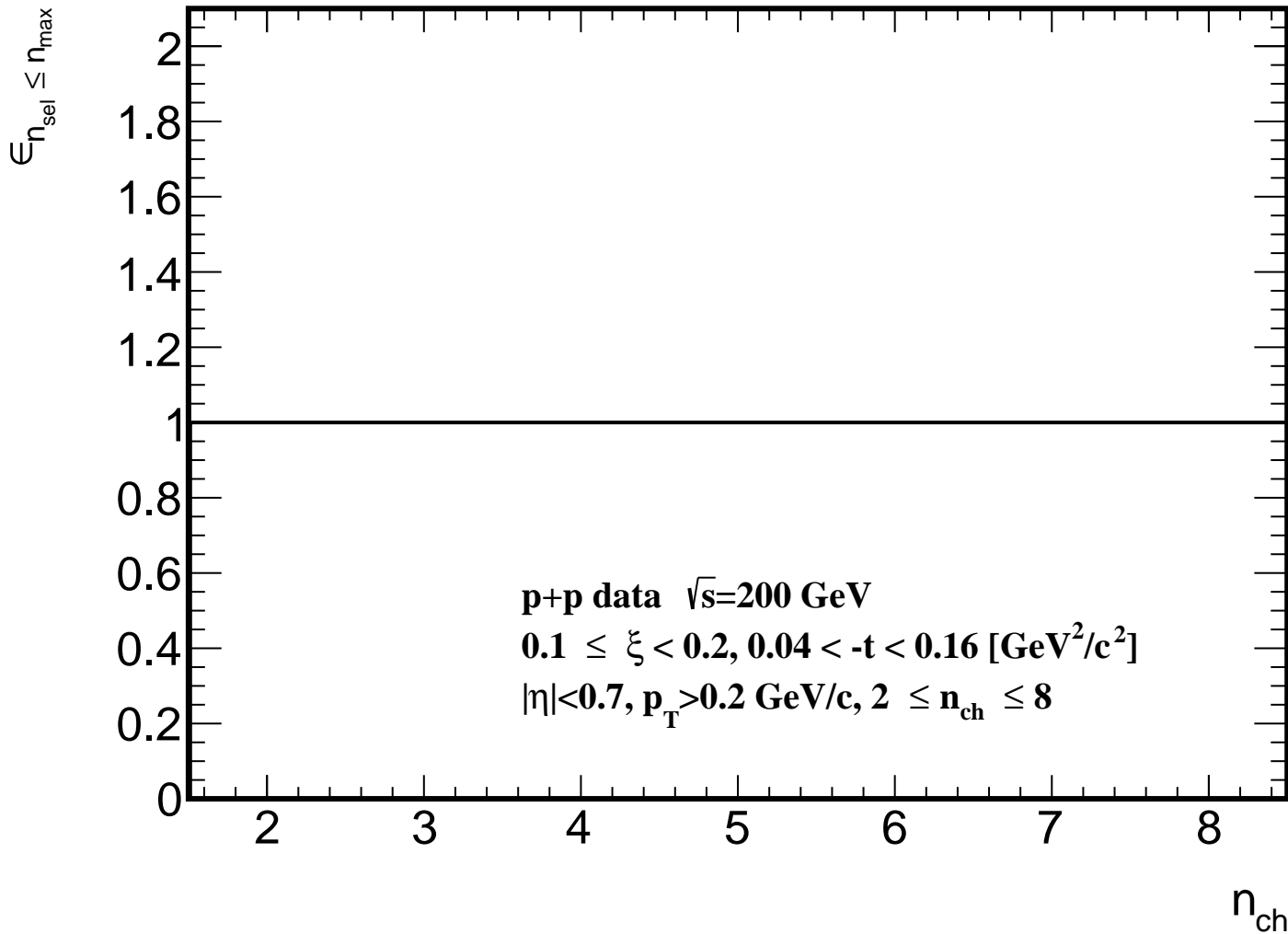
 $p > 0.2 \text{ GeV}/c, |\eta| < 0.7, |V_z| < 80 \text{ cm, WEST}$  $n_{\text{iter}} = 1$  $2 \leq n_{\text{sel}} \leq 8 \text{ \& best vertex \& } N_{\text{vtx}} = 1, \text{ primary tracks (reco)}$  $0.1 \leq \xi < 0.2, 0.04 < -t < 0.16 \text{ [GeV}^2/c^2]$ 

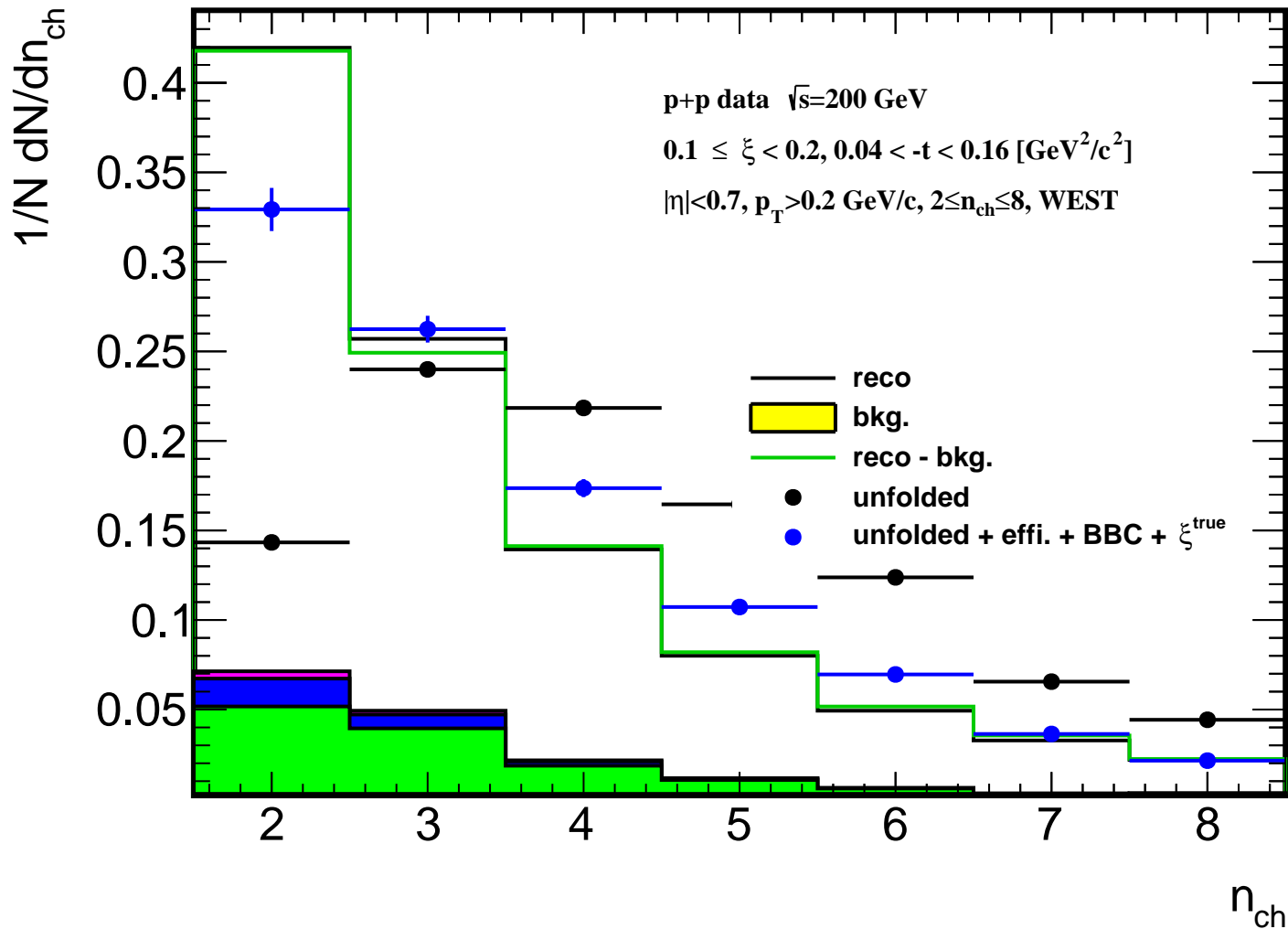
- reco MC
- unfolded MC
- true MC,  $n_{\text{tr}} \geq 2$
- unfolded MC + effi.
- true MC
- unfolded MC + effi. + BBC
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC
- unfolded MC + effi. + BBC +  $\xi_{\text{true}}, -t$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}, -t$
- true MC,  $n_{\text{tr}} \geq 2$ , no BBC,  $\xi_{\text{true}}, -t$ , no vtx

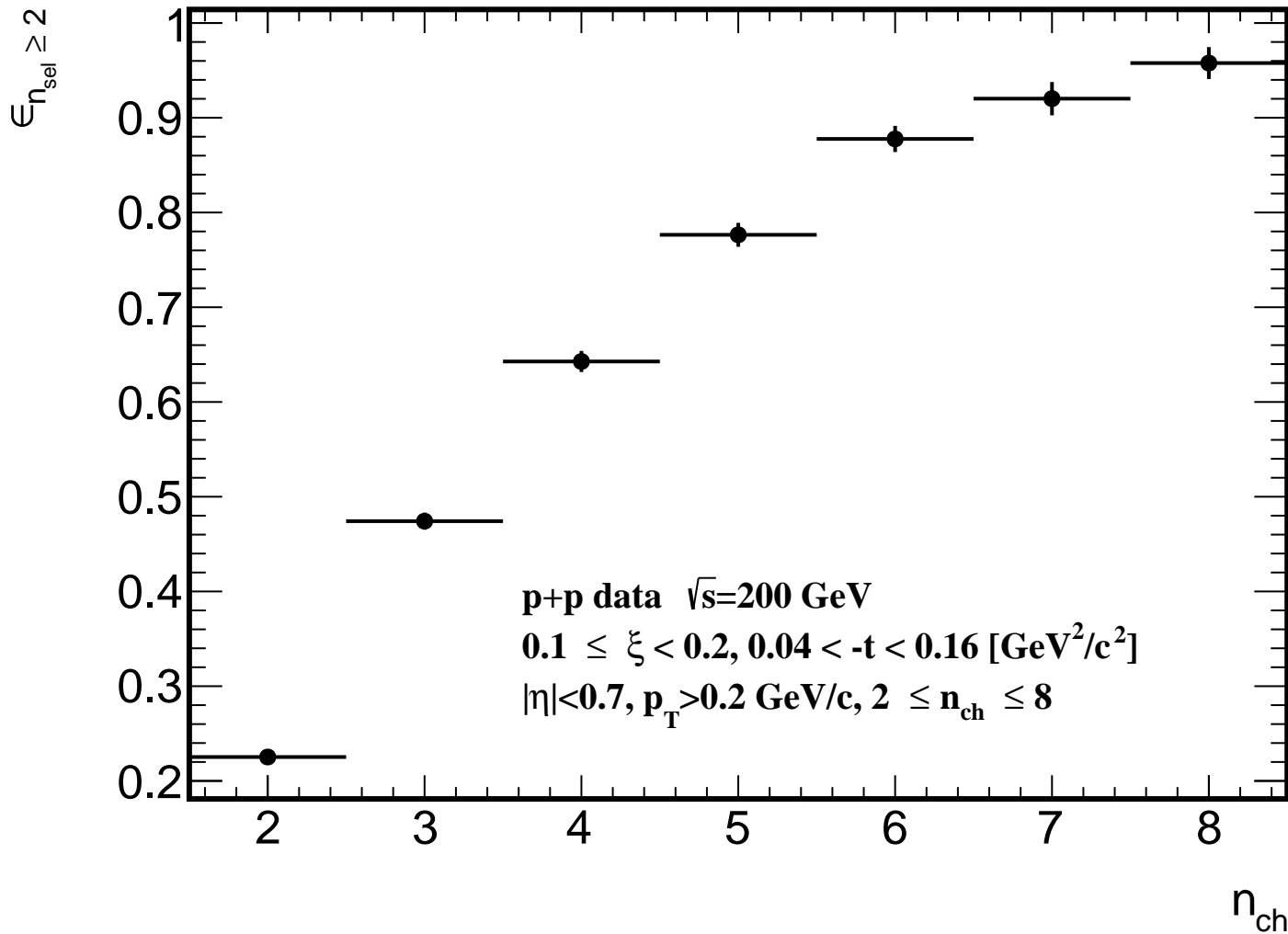
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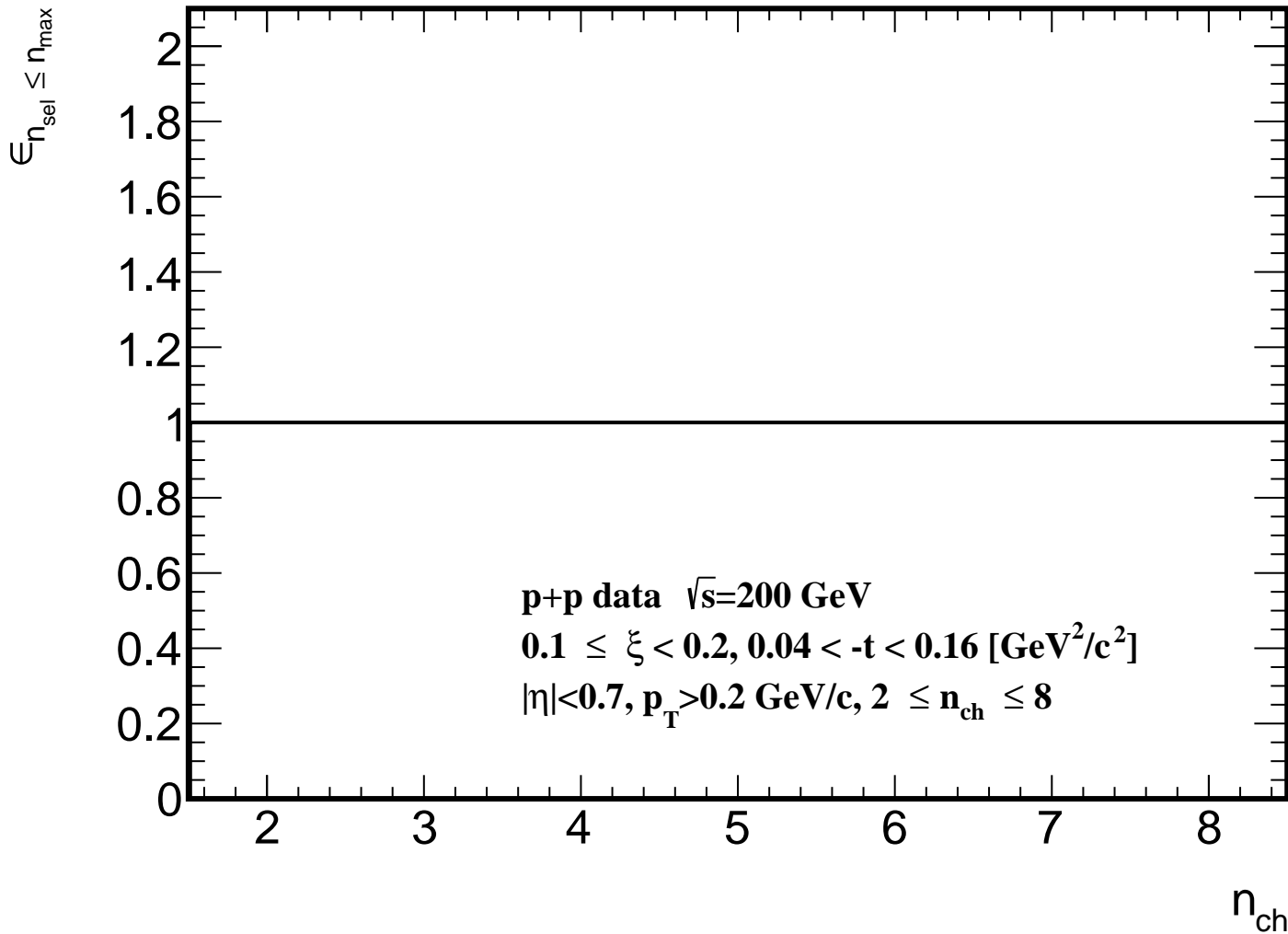




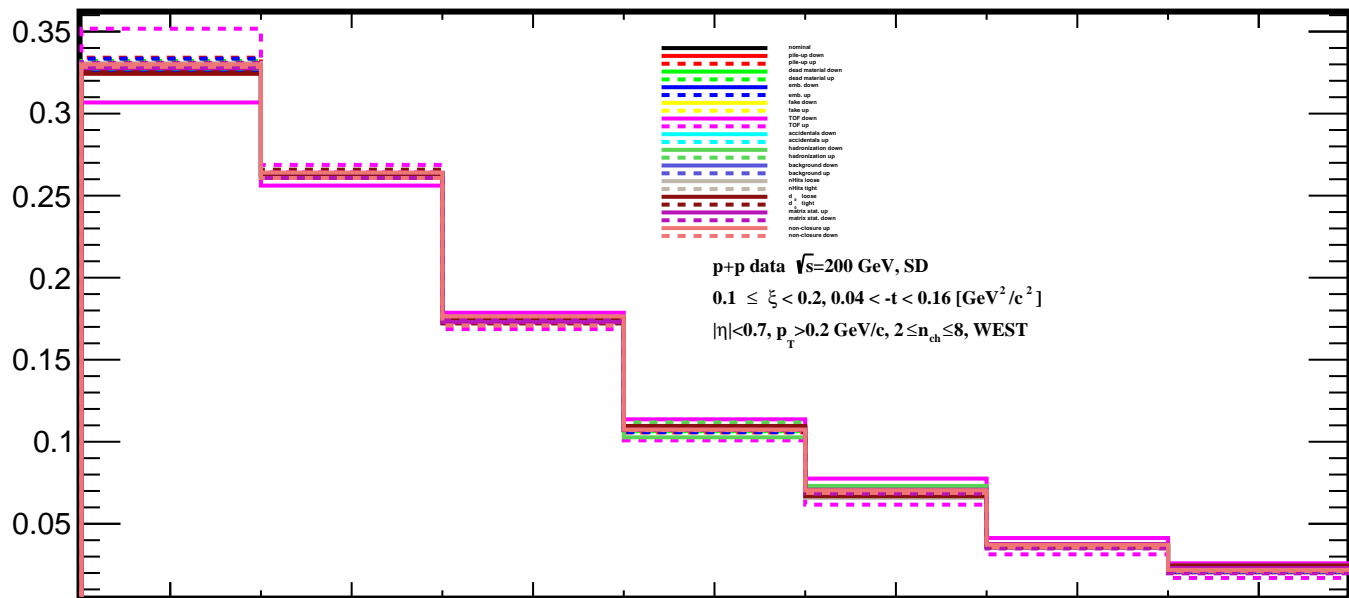




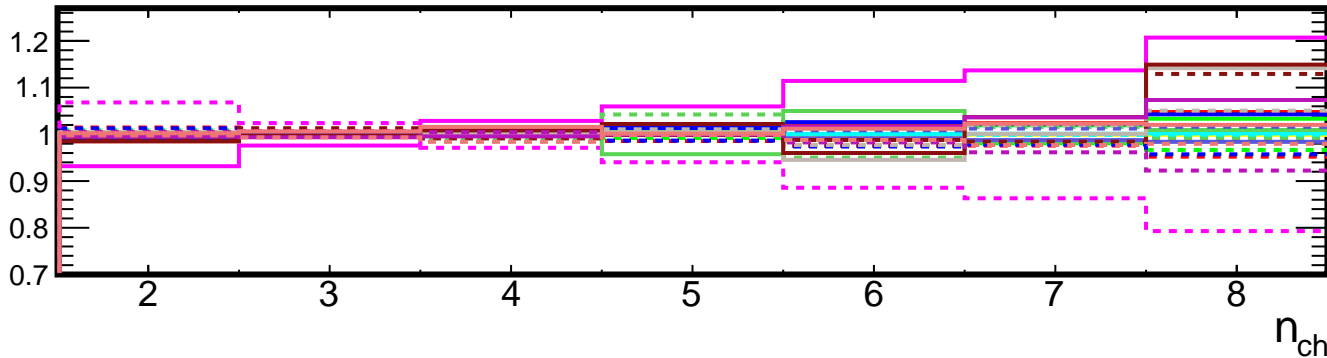


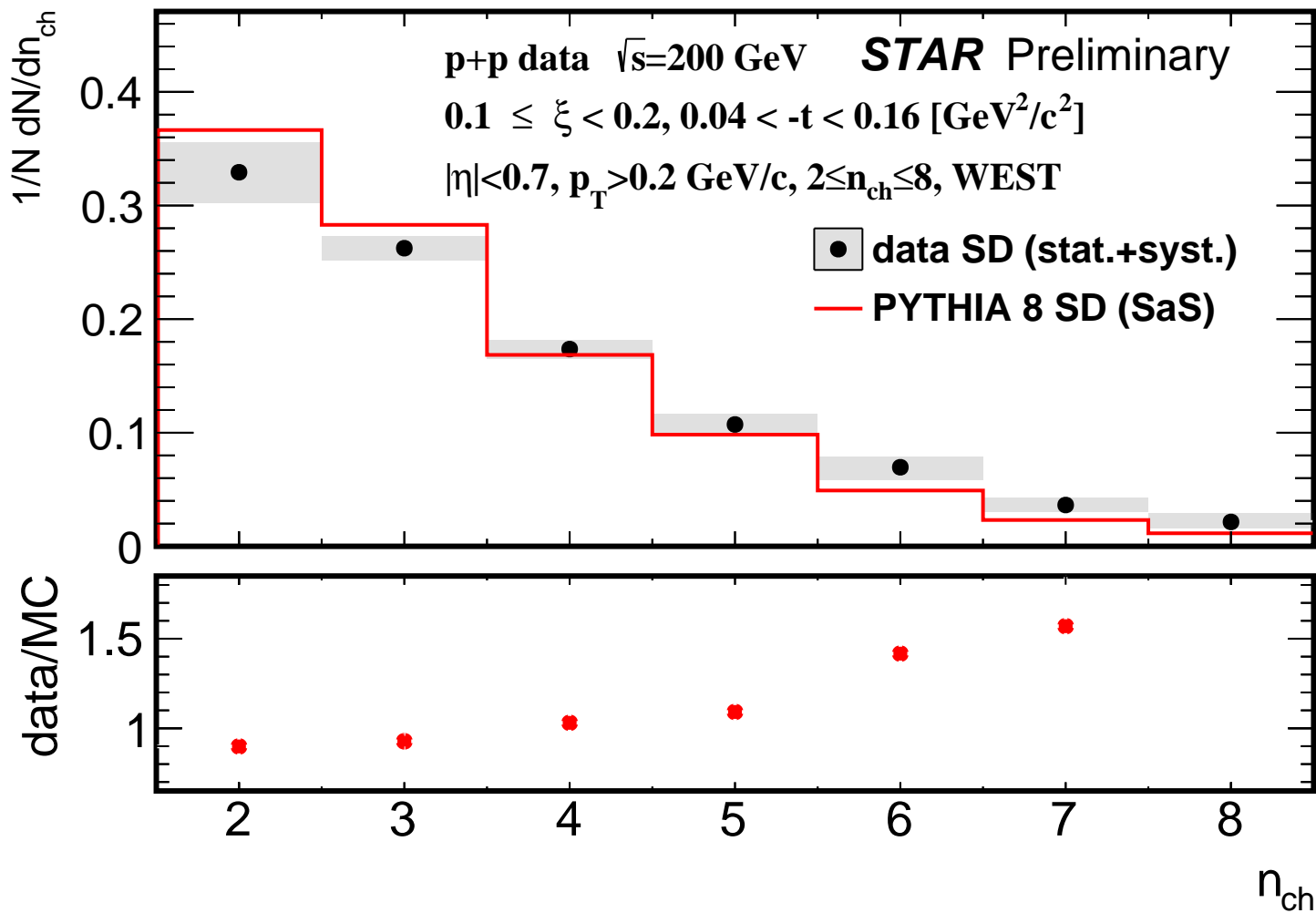


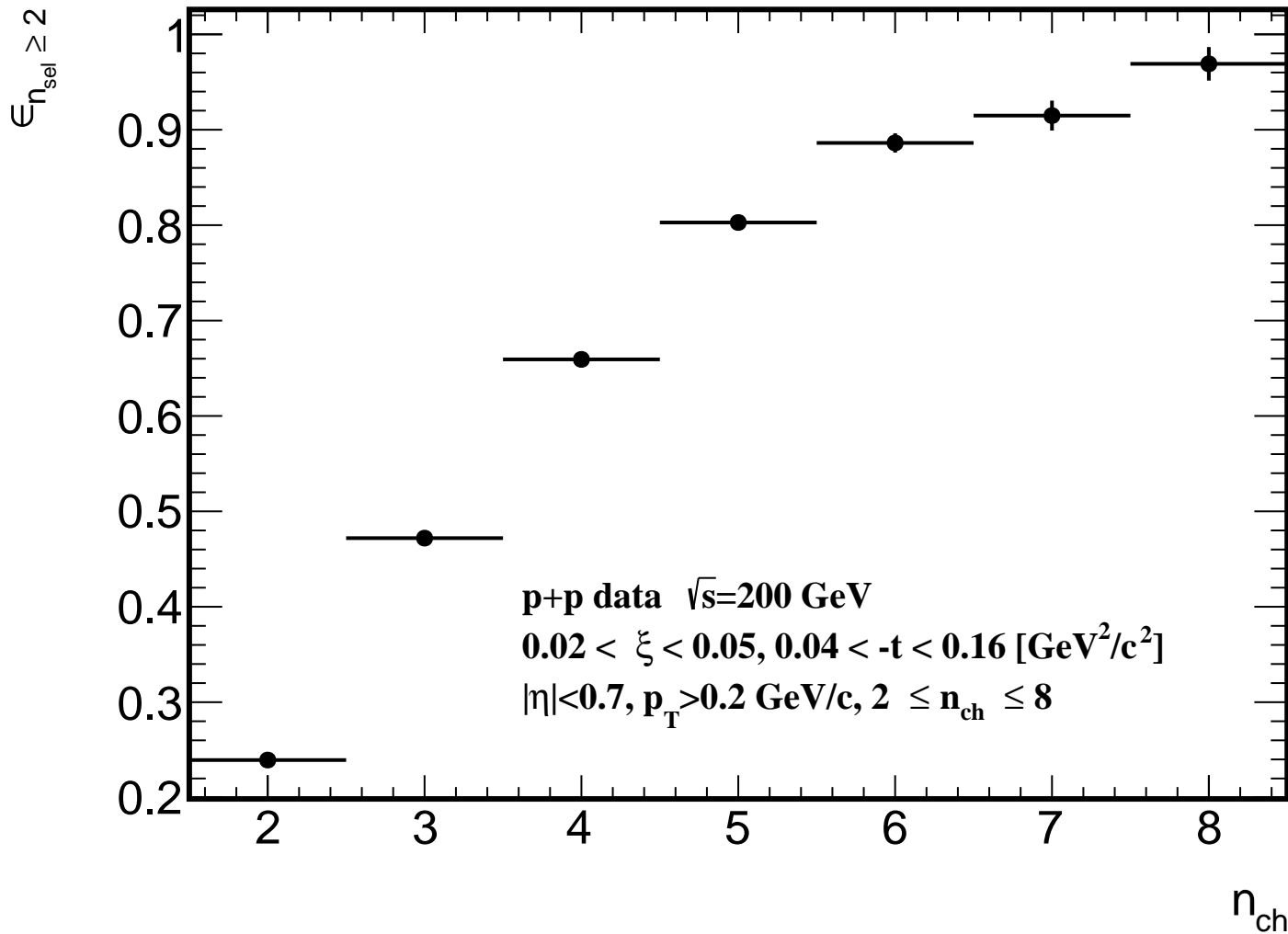


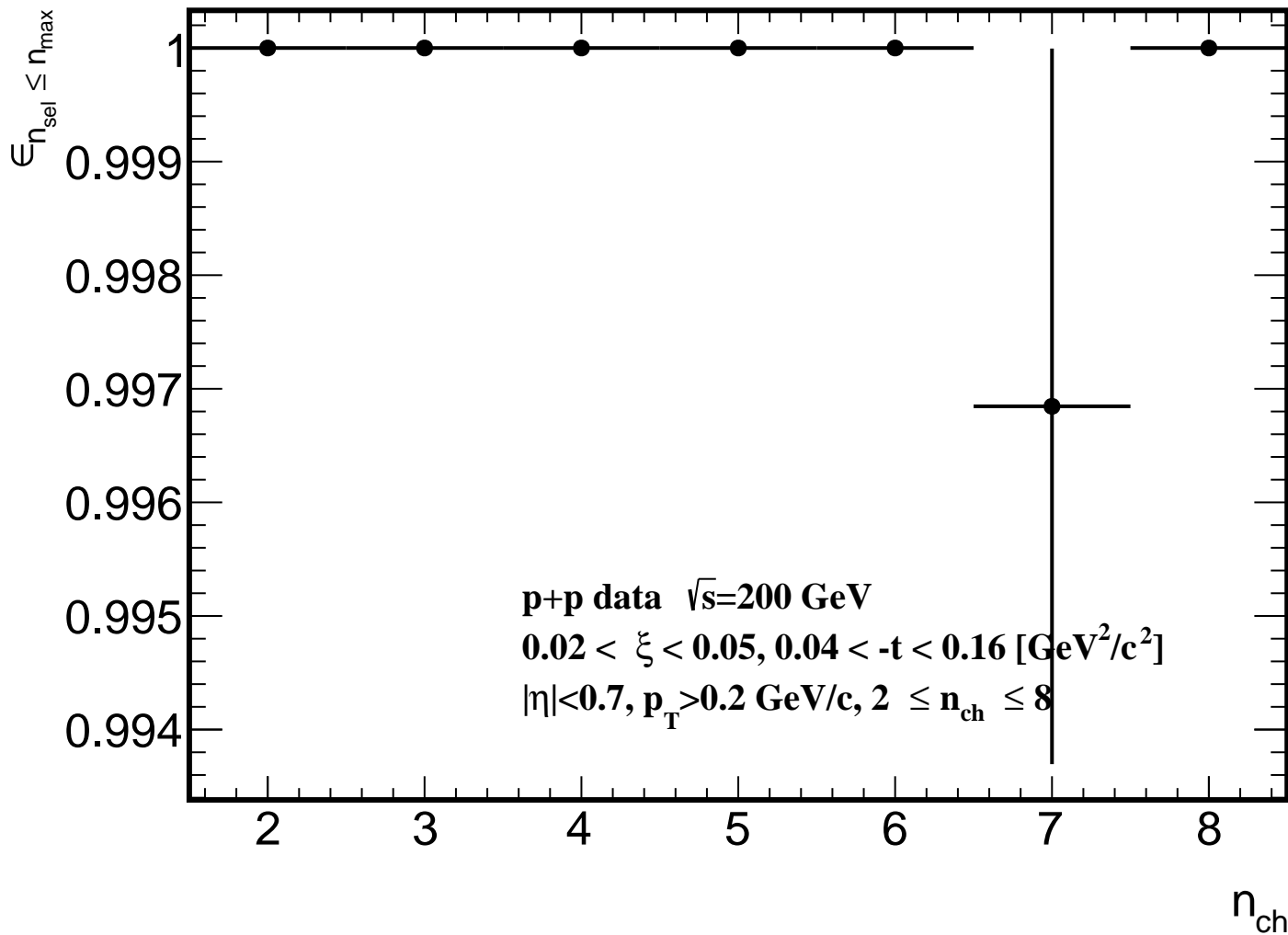
$1/N \, dN/dn_{\text{ch}}$ 

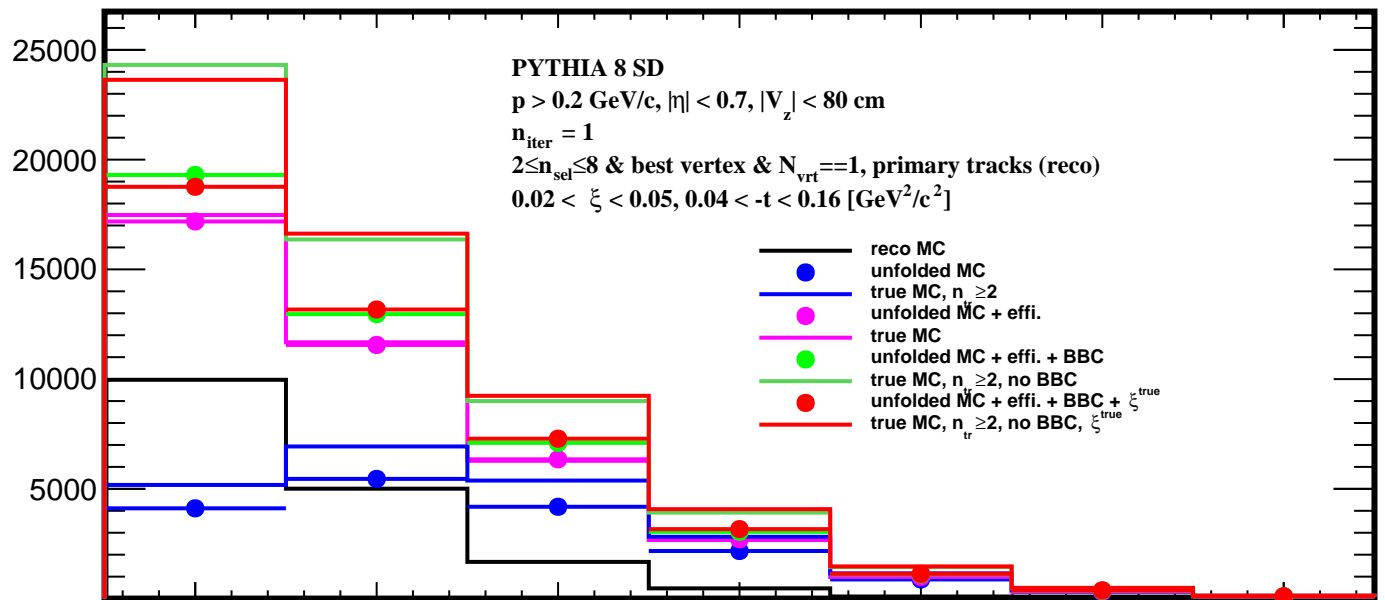
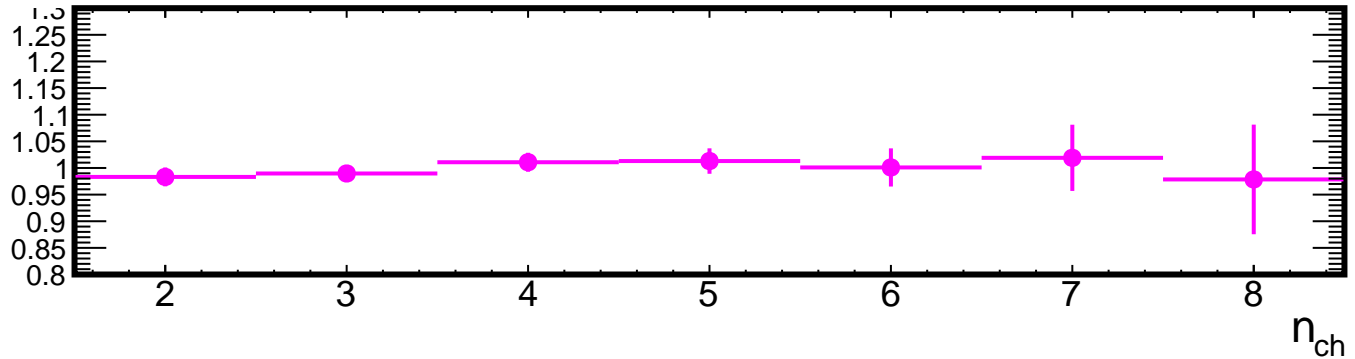
ratio

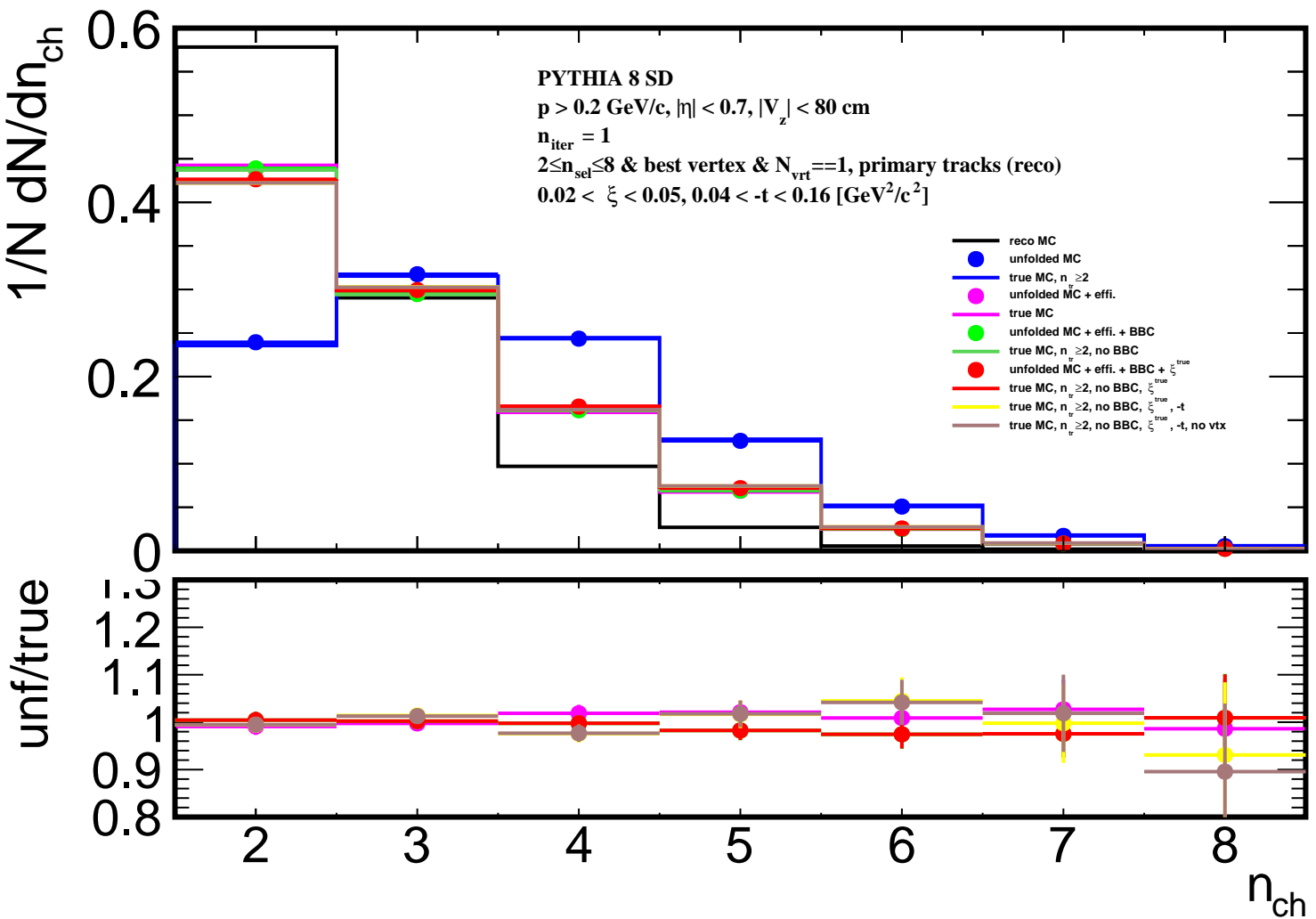


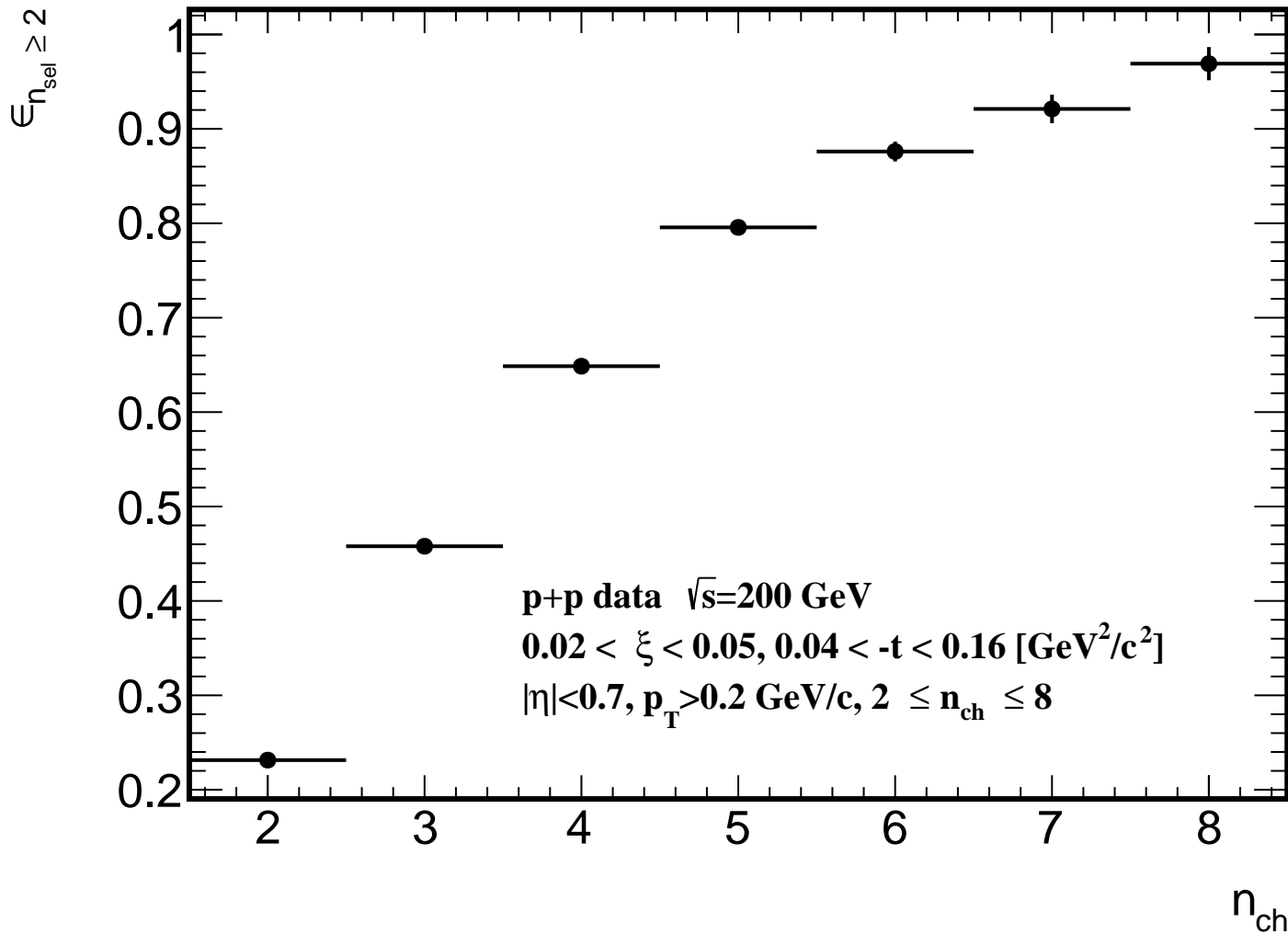


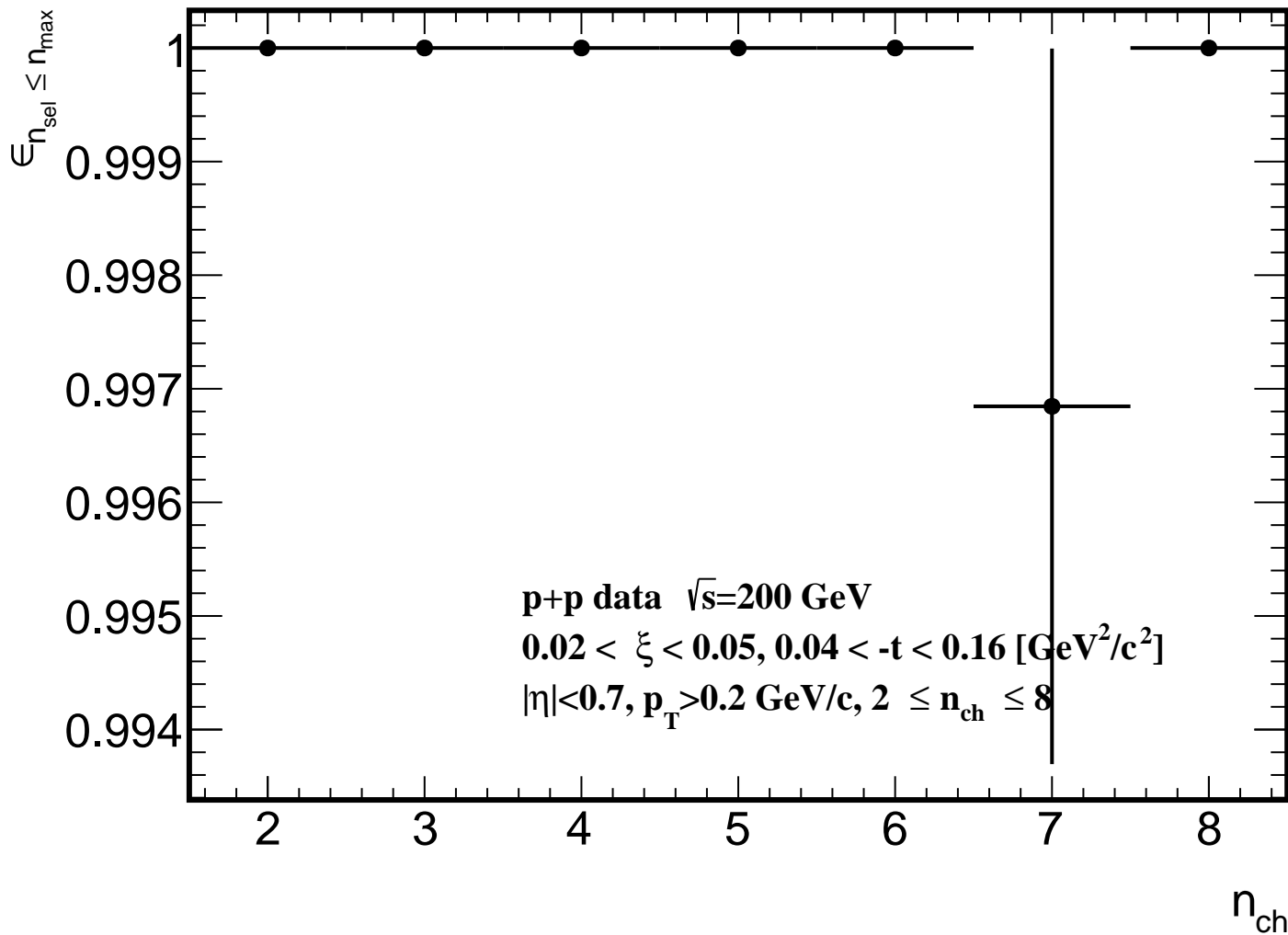




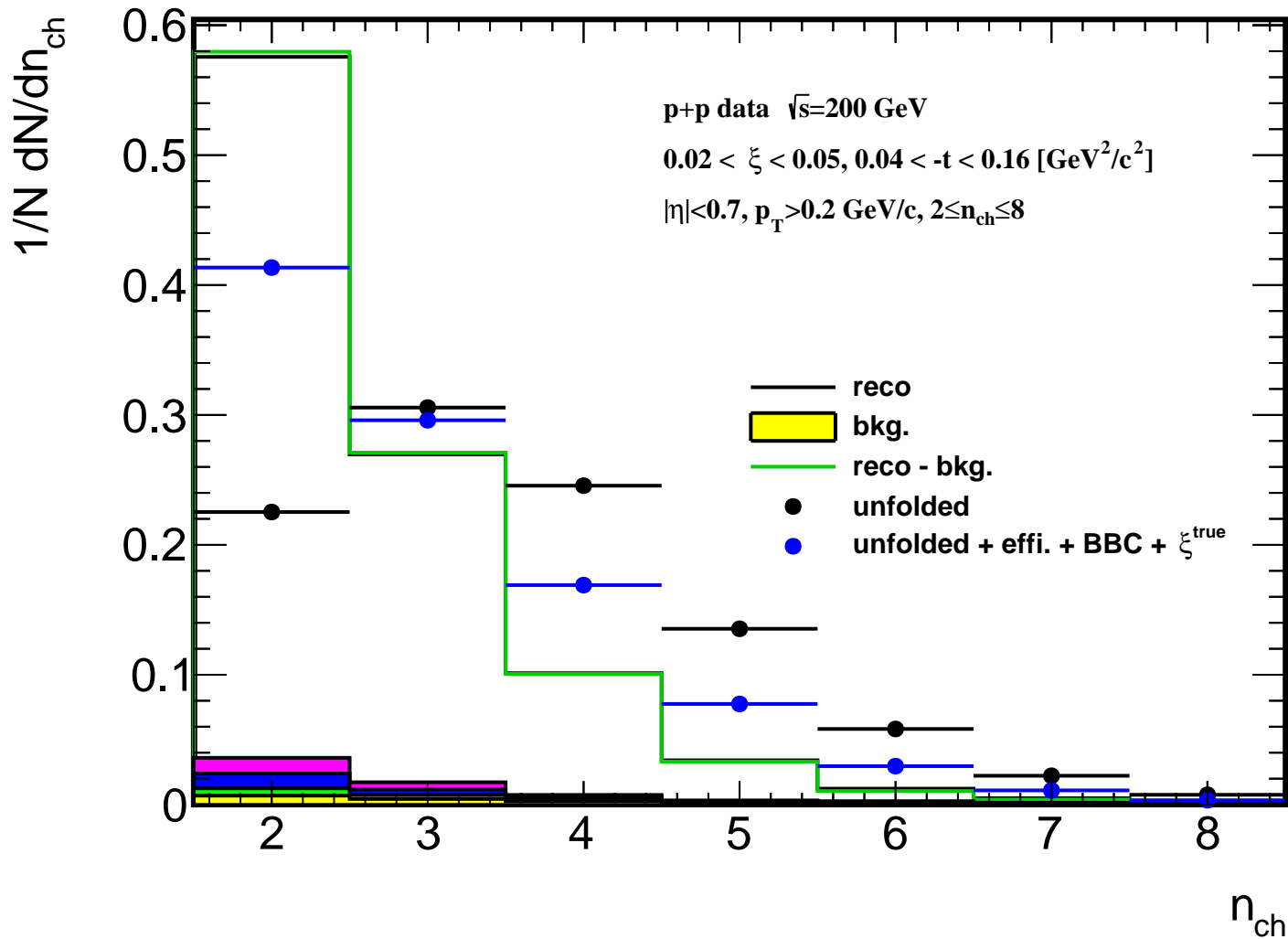
$dN/dn_{ch}$  $unf/true$ 

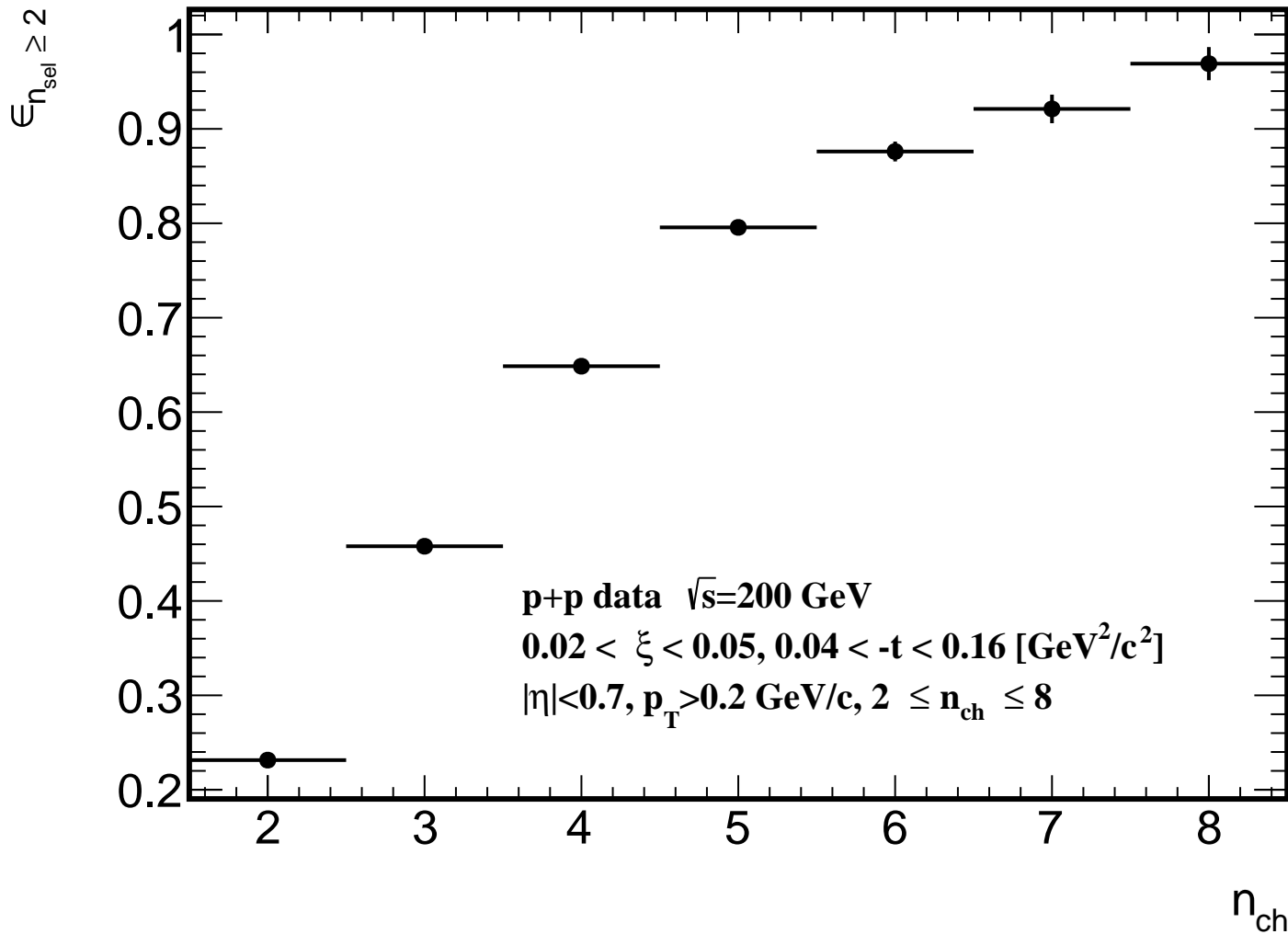


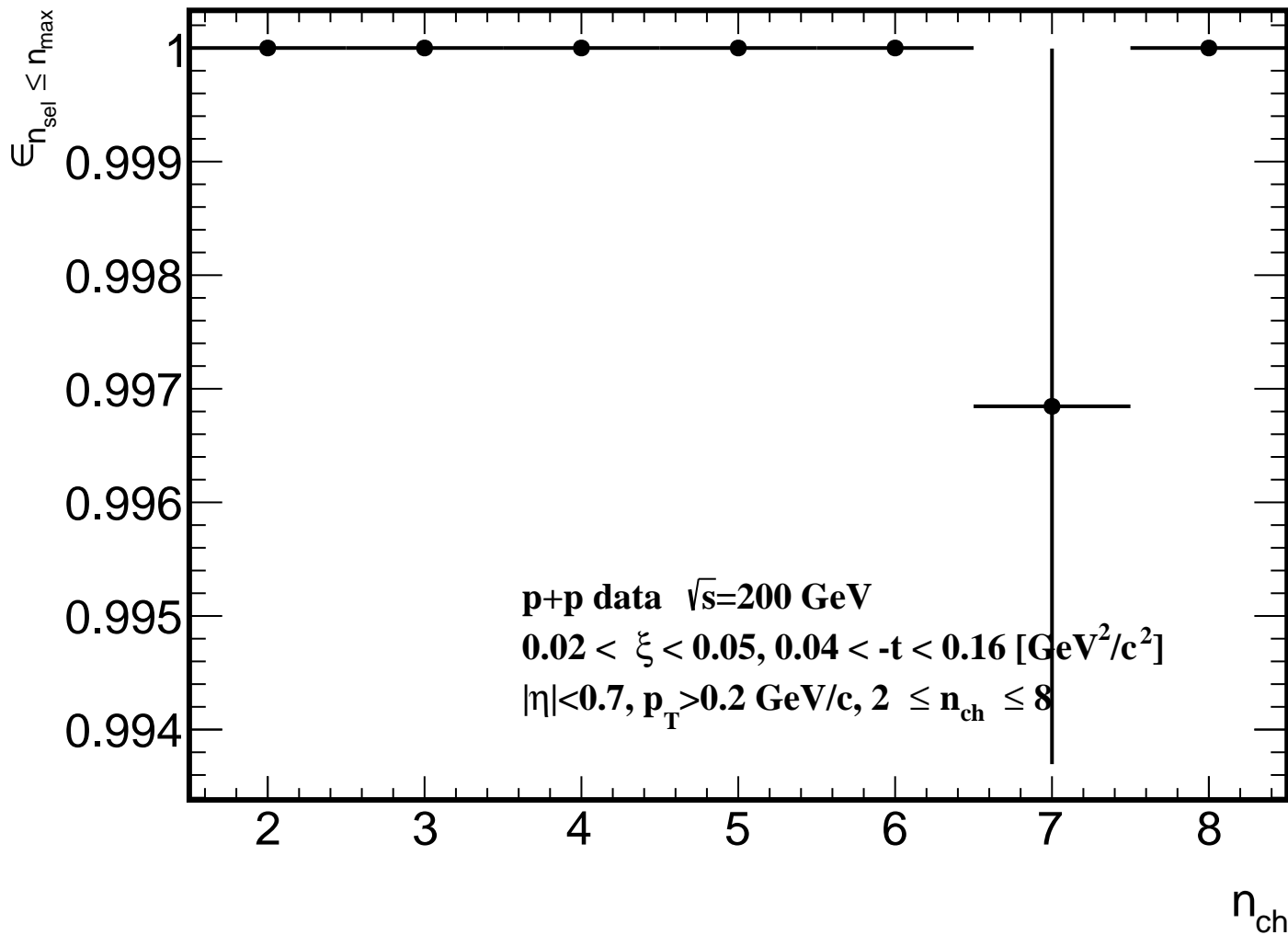


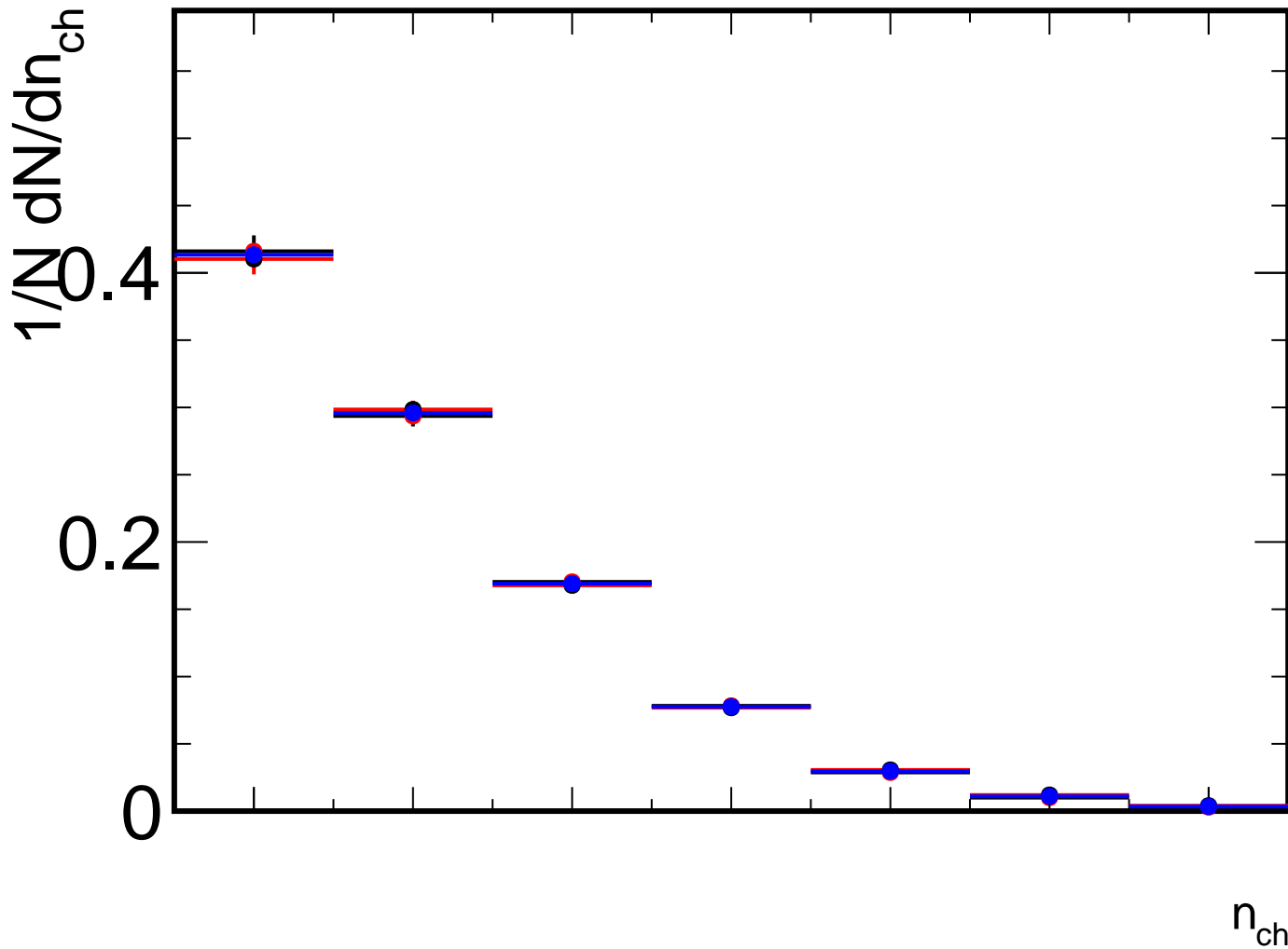


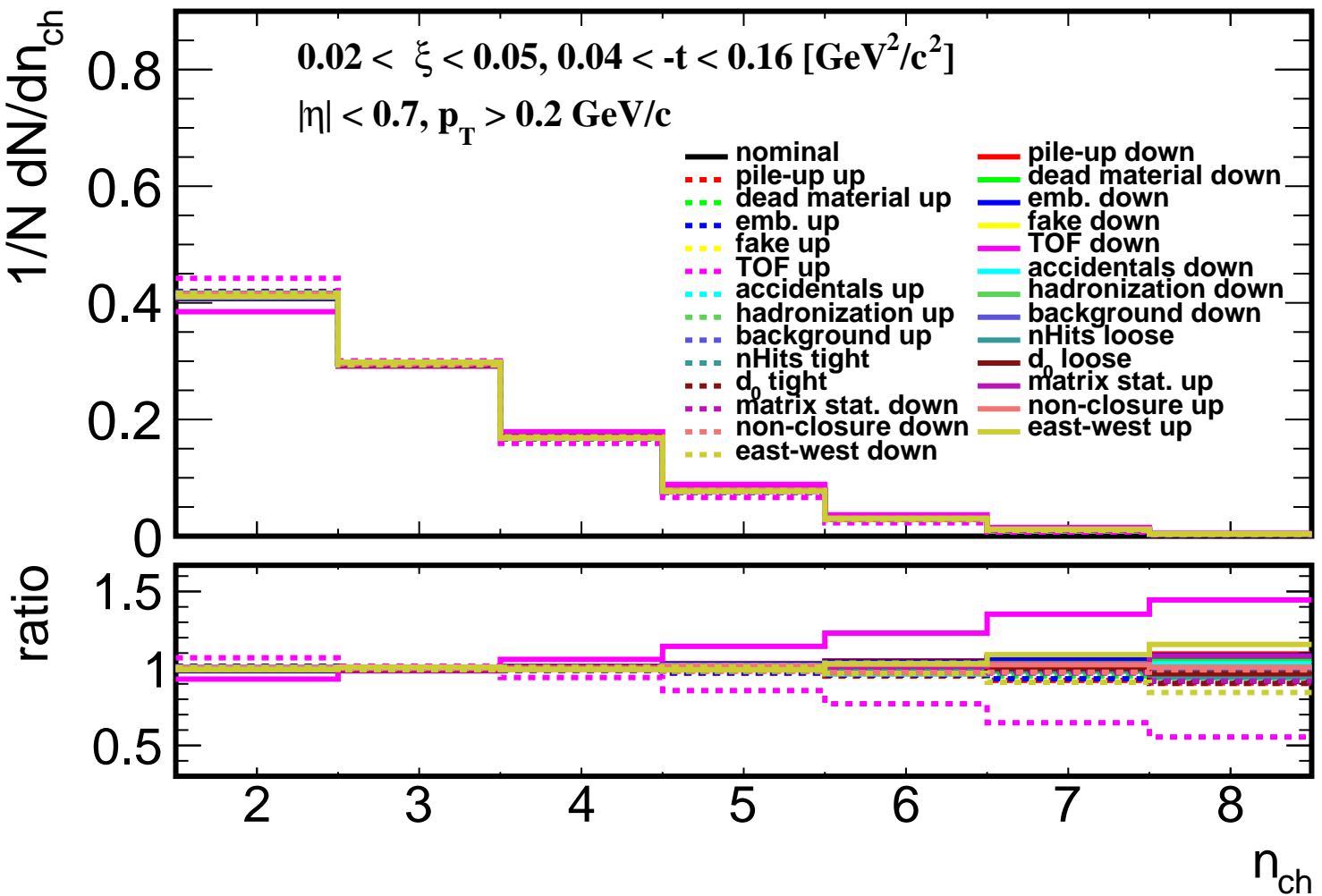


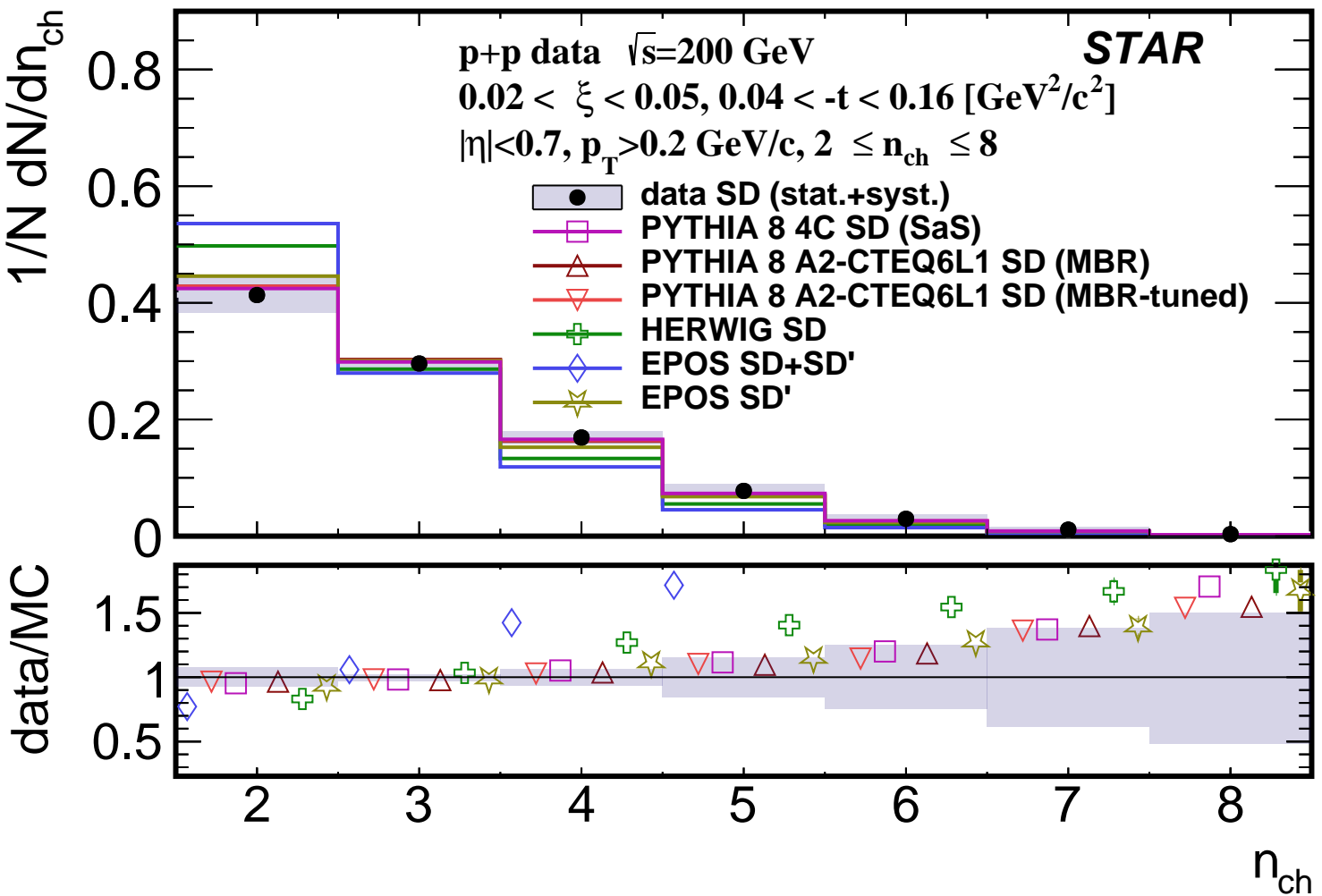


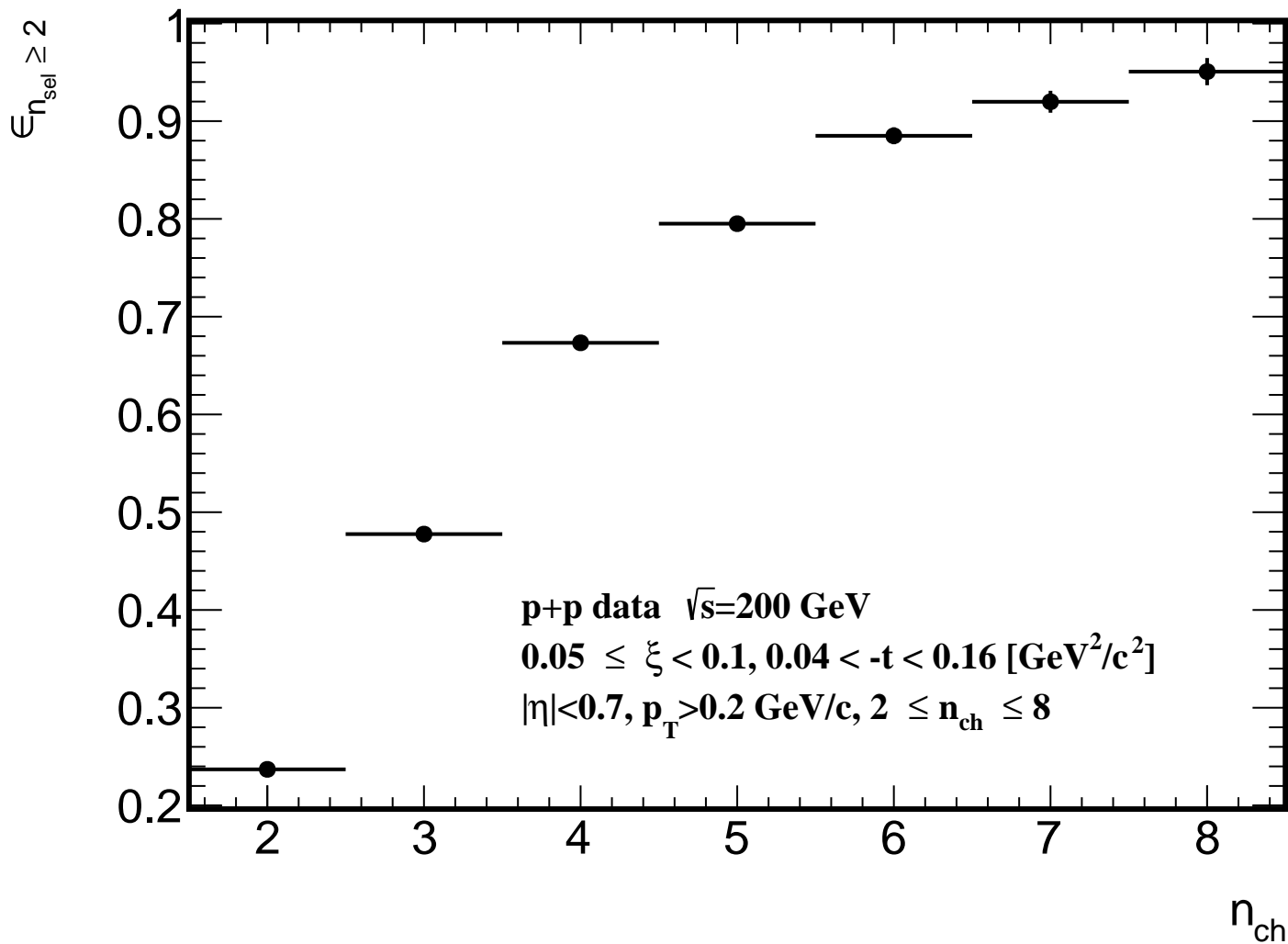


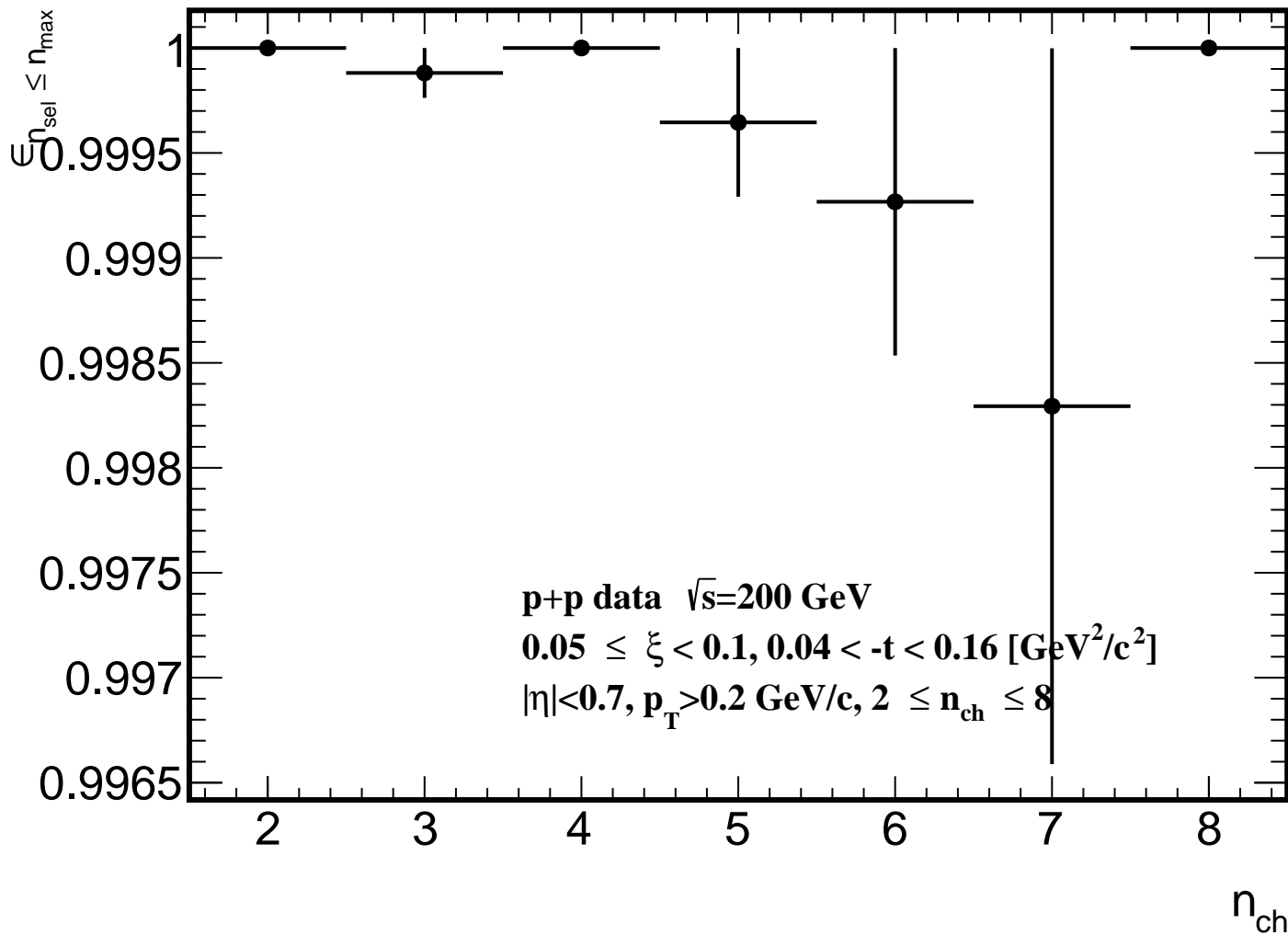




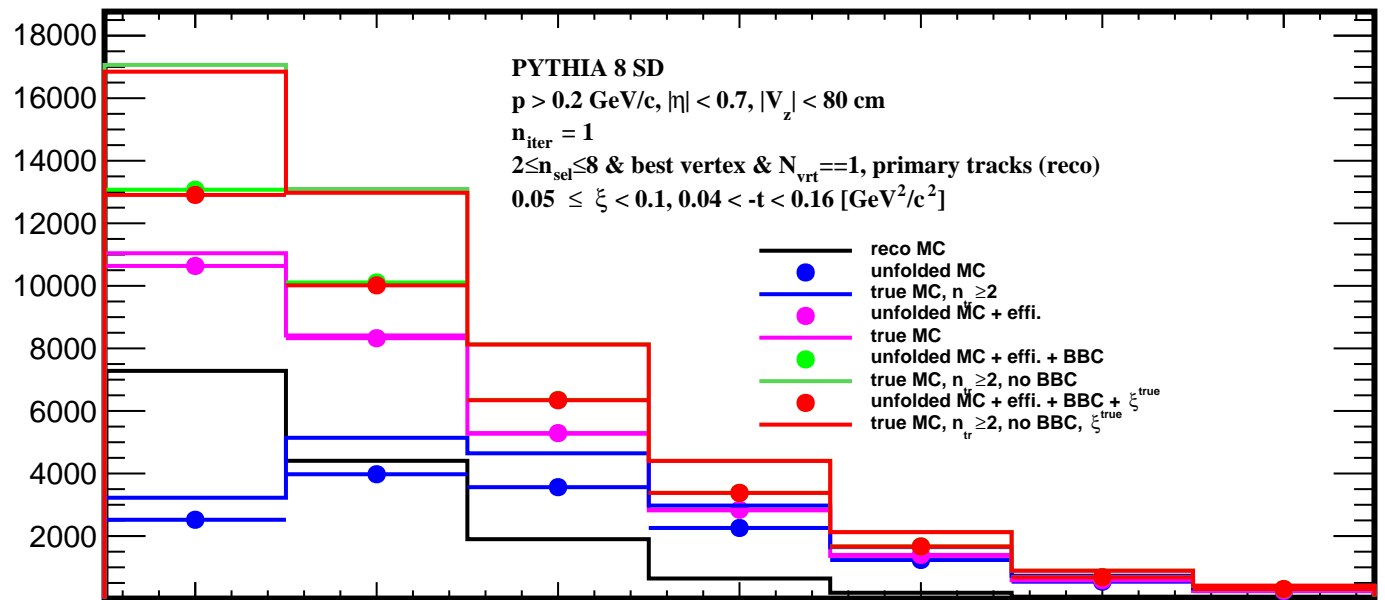
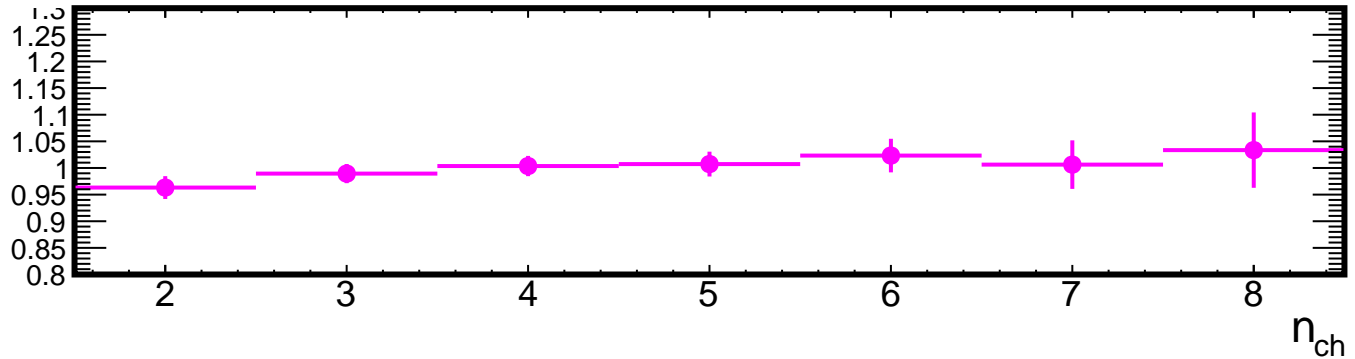


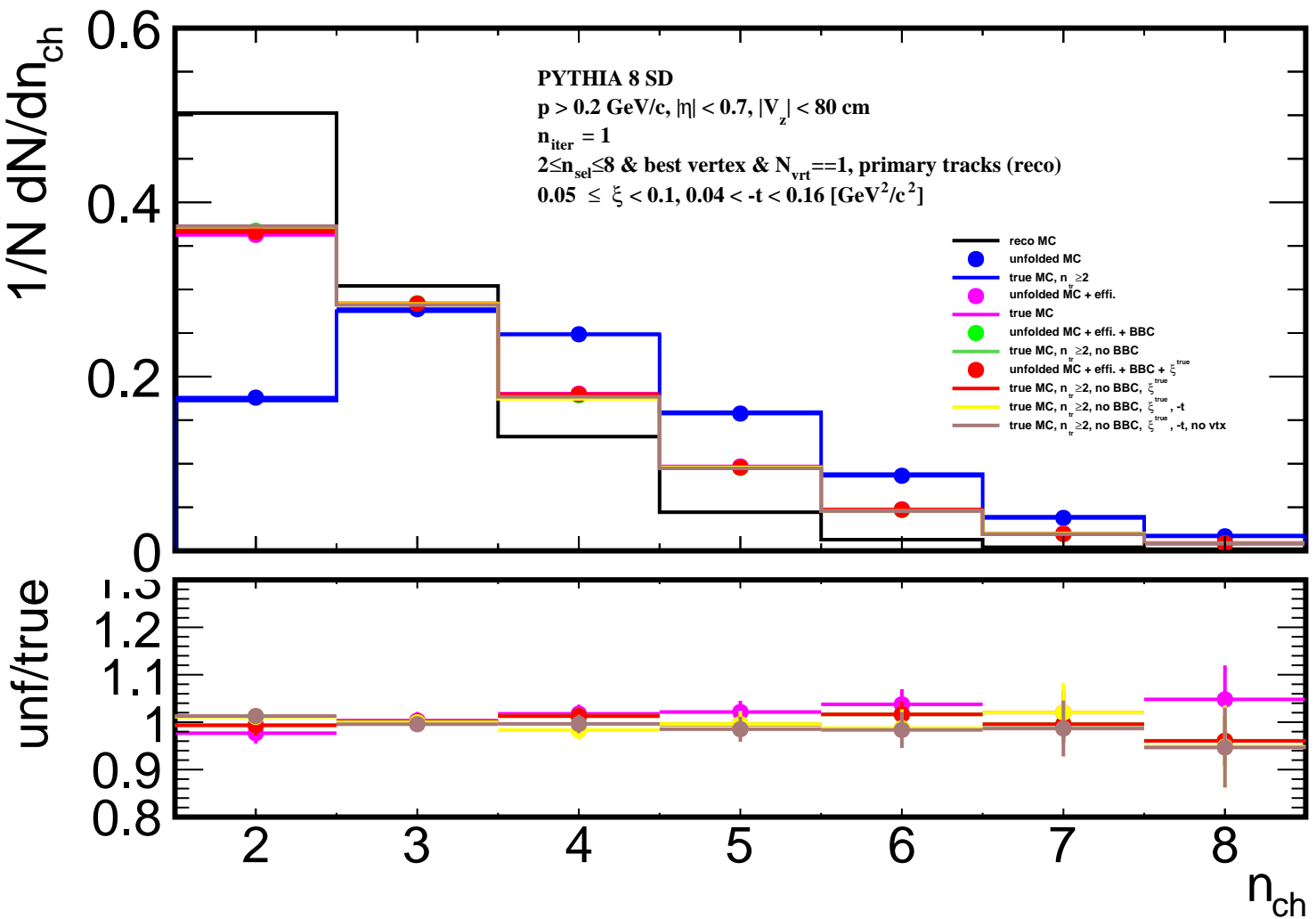


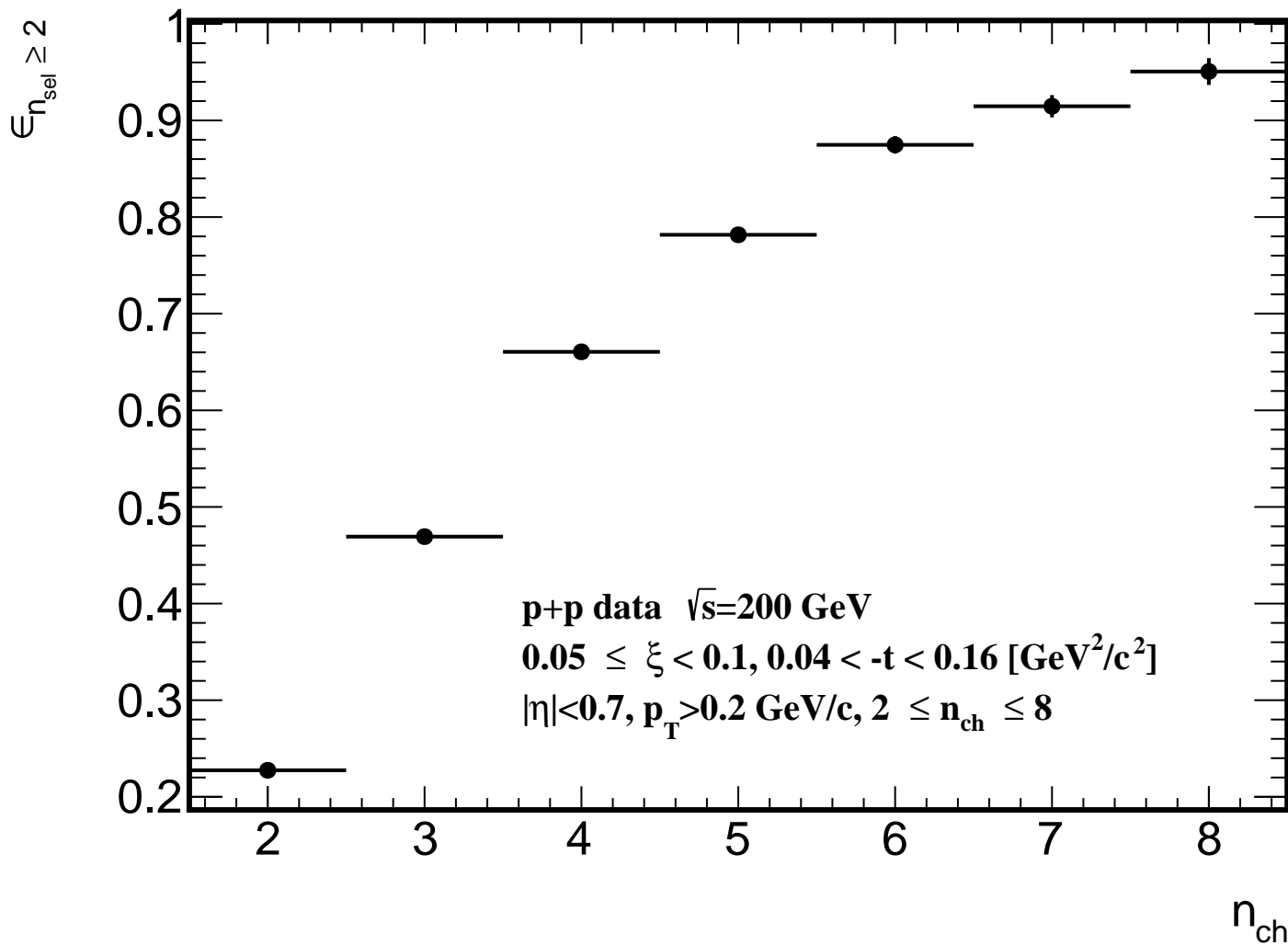


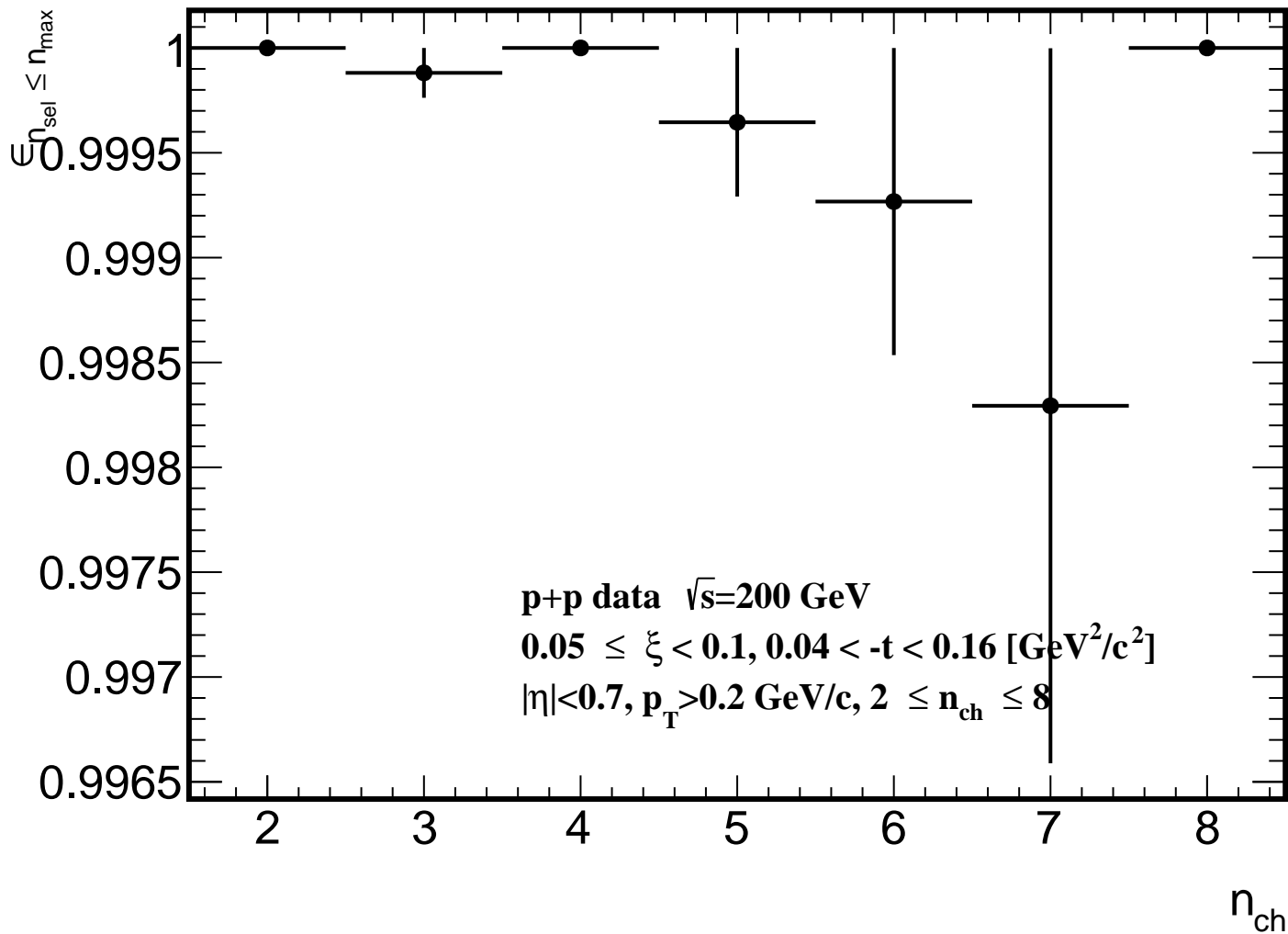


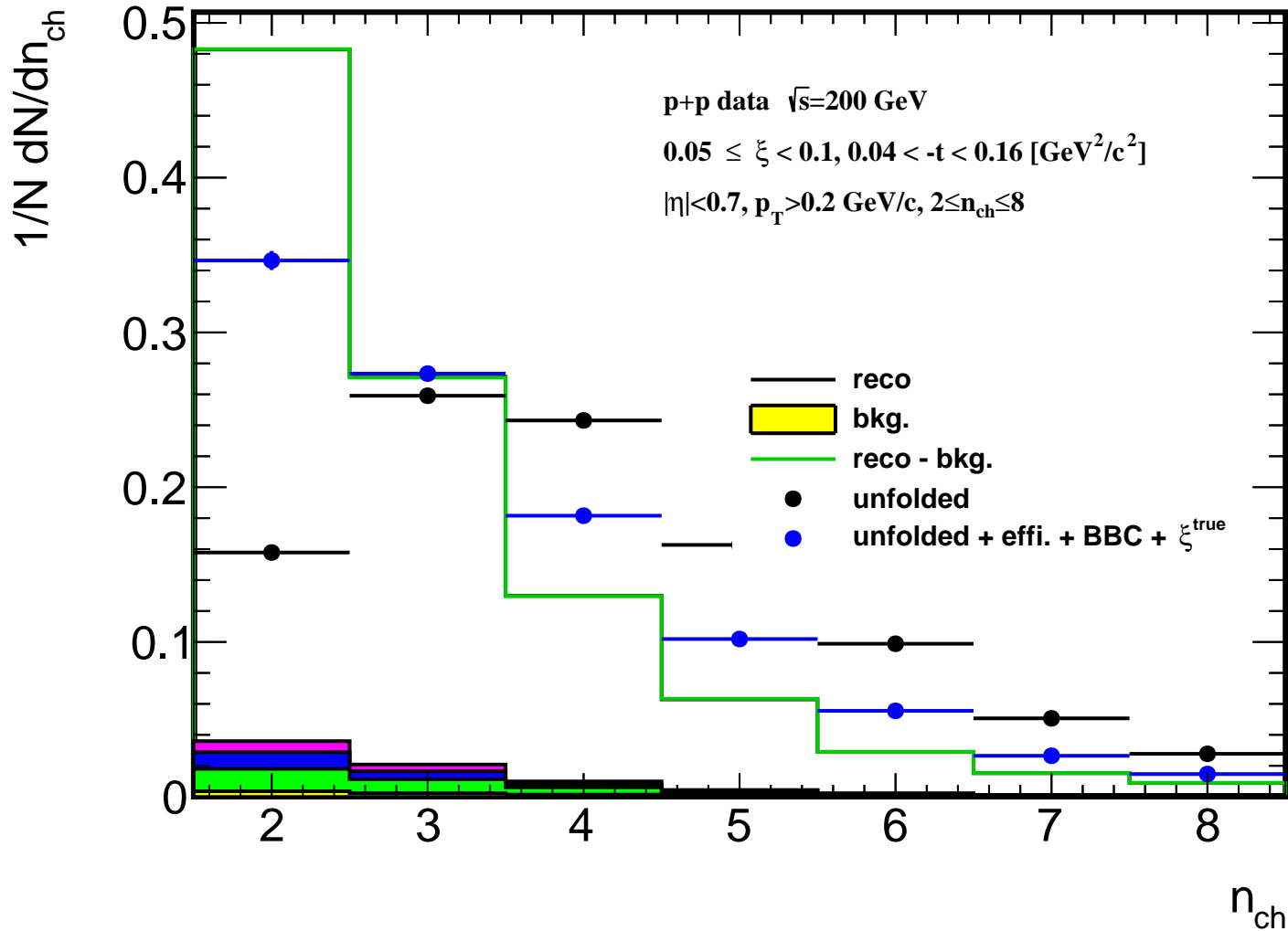


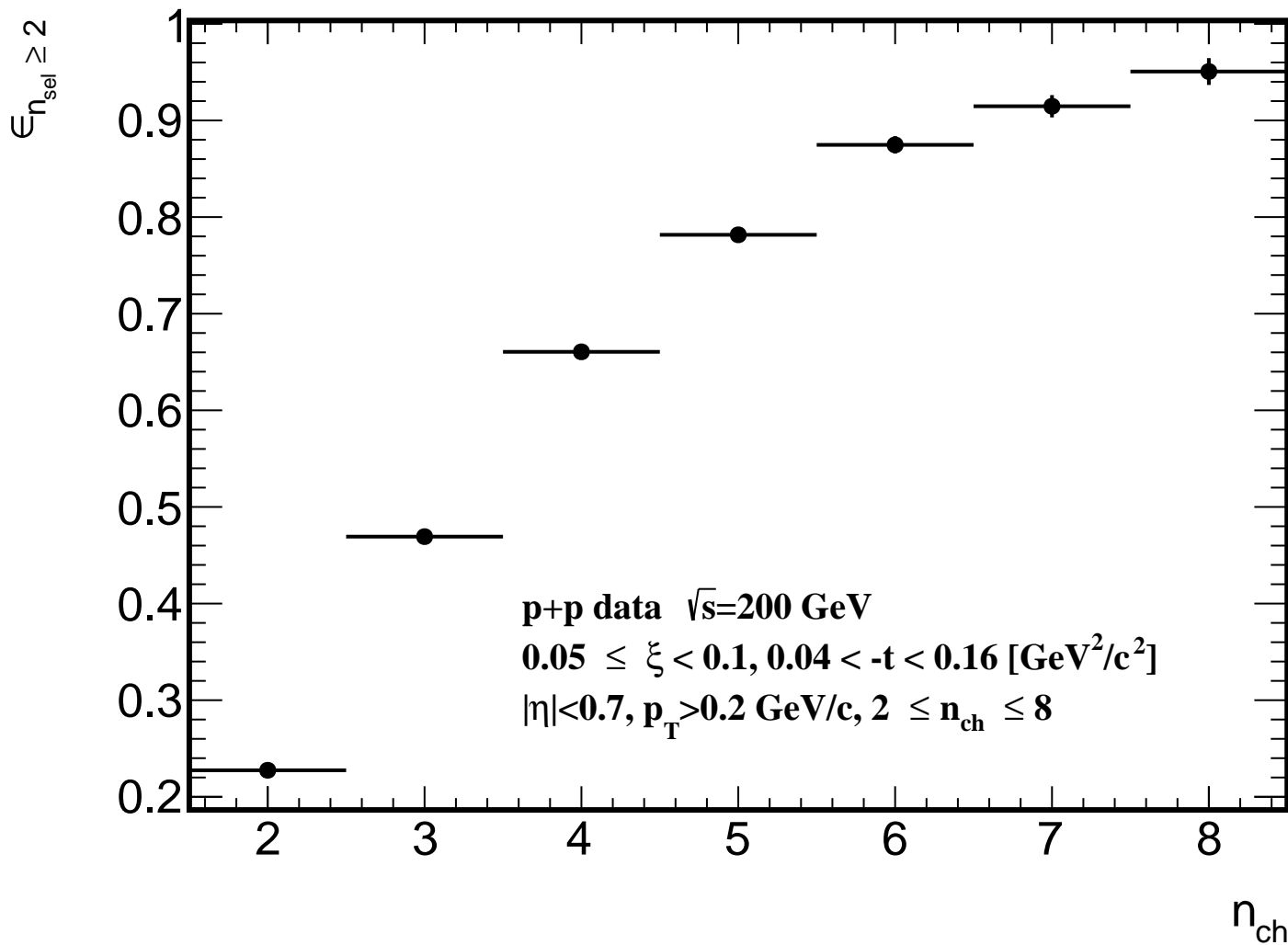
$dN/dn_{ch}$  $unf/true$ 

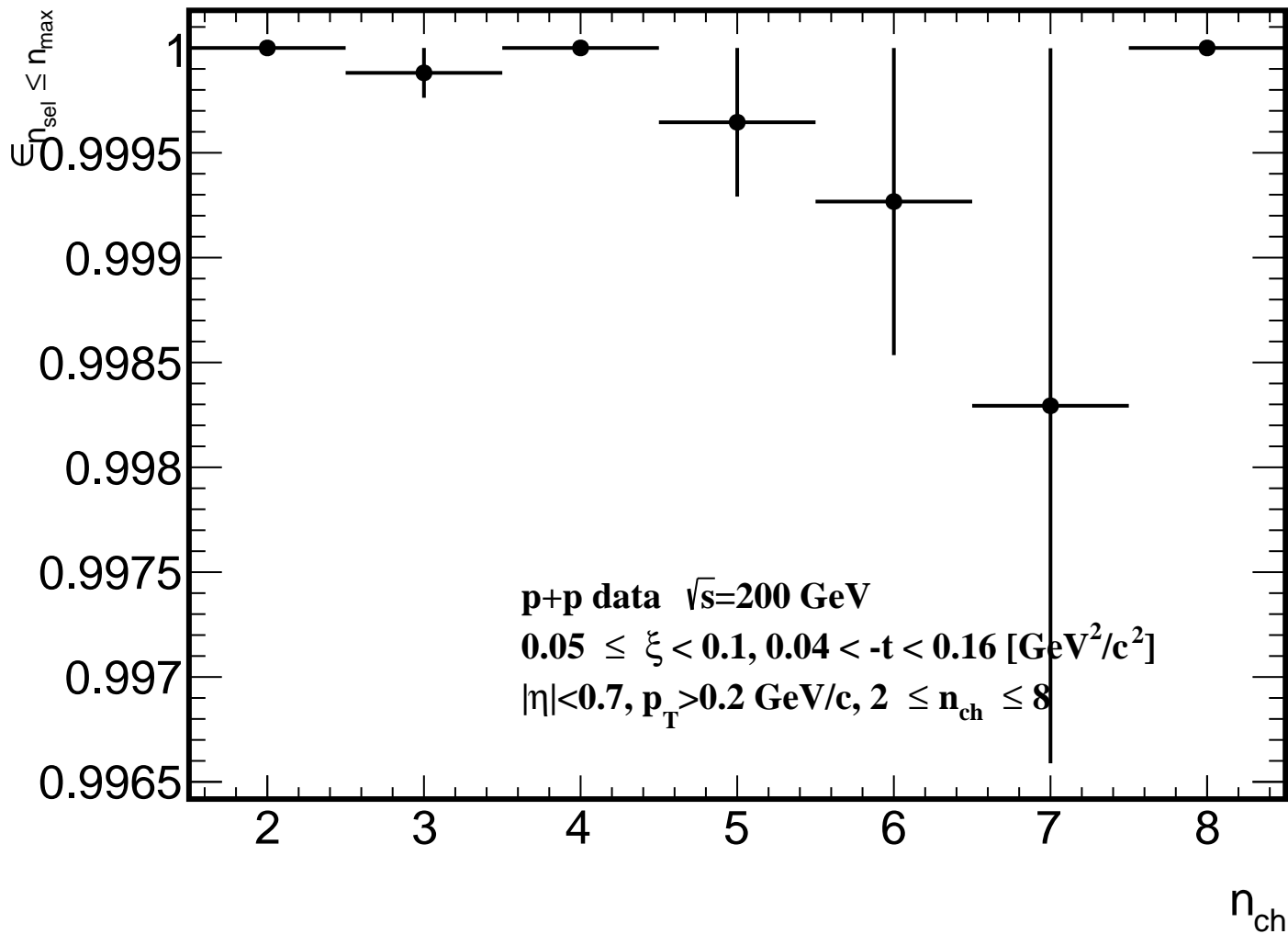


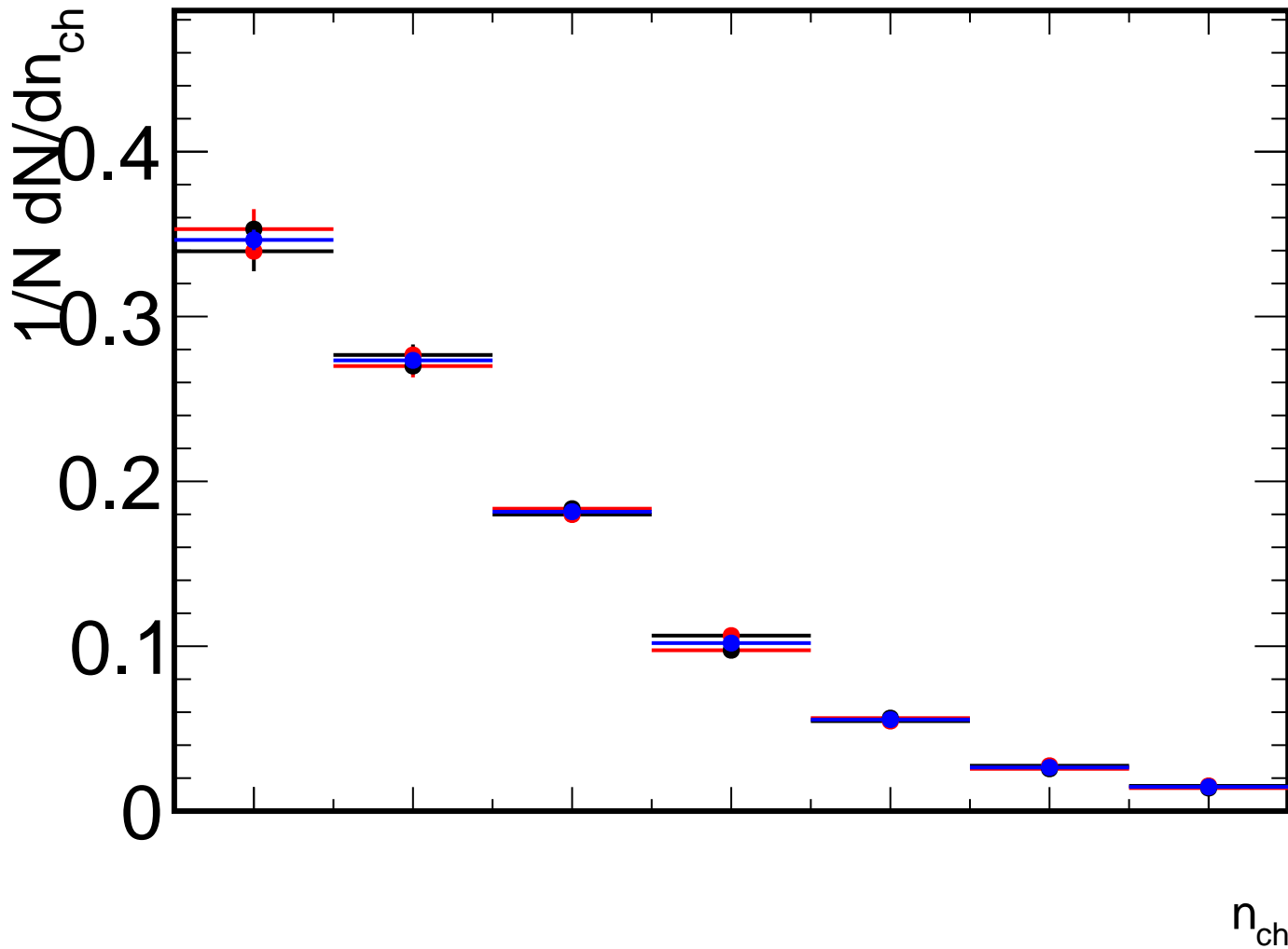




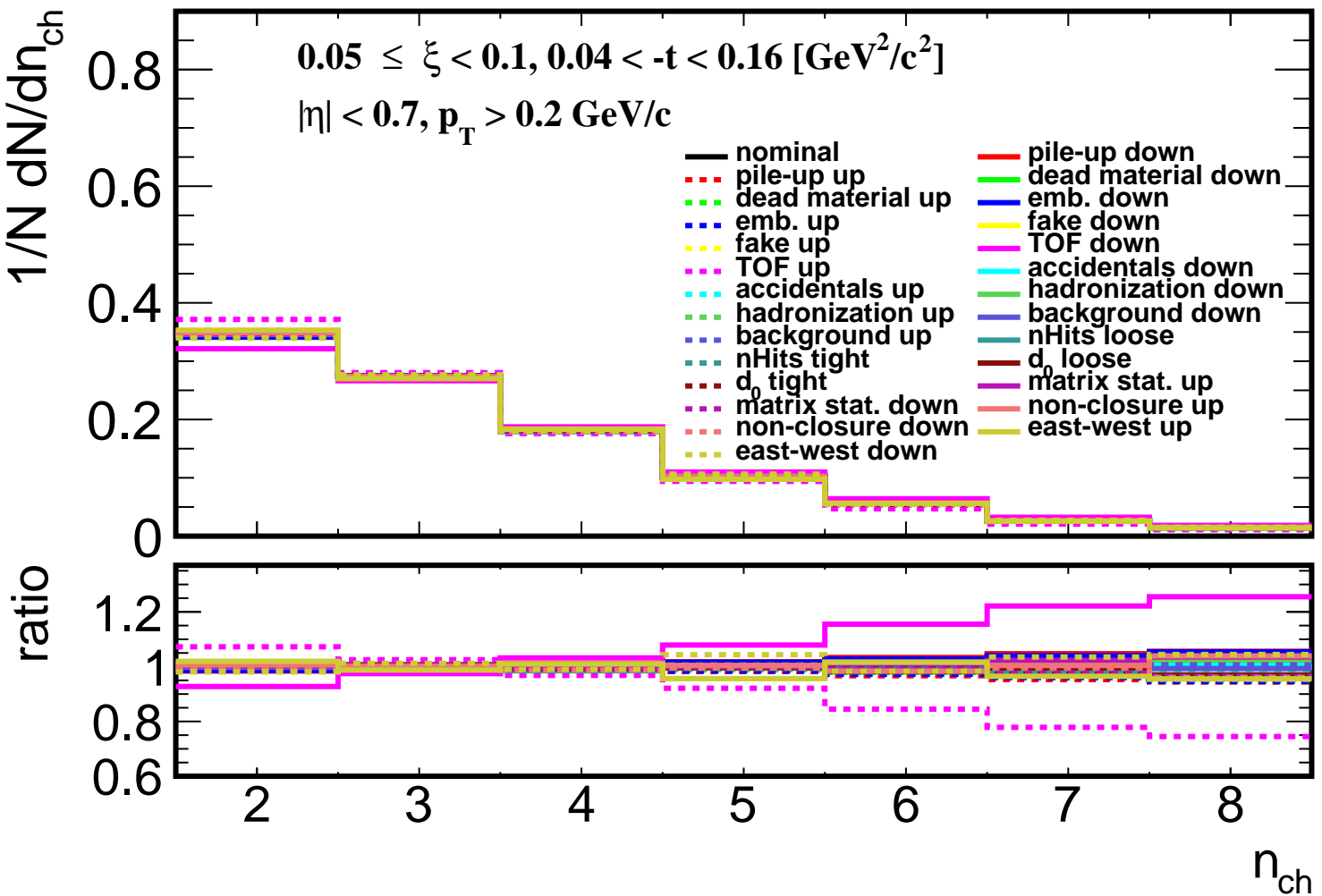


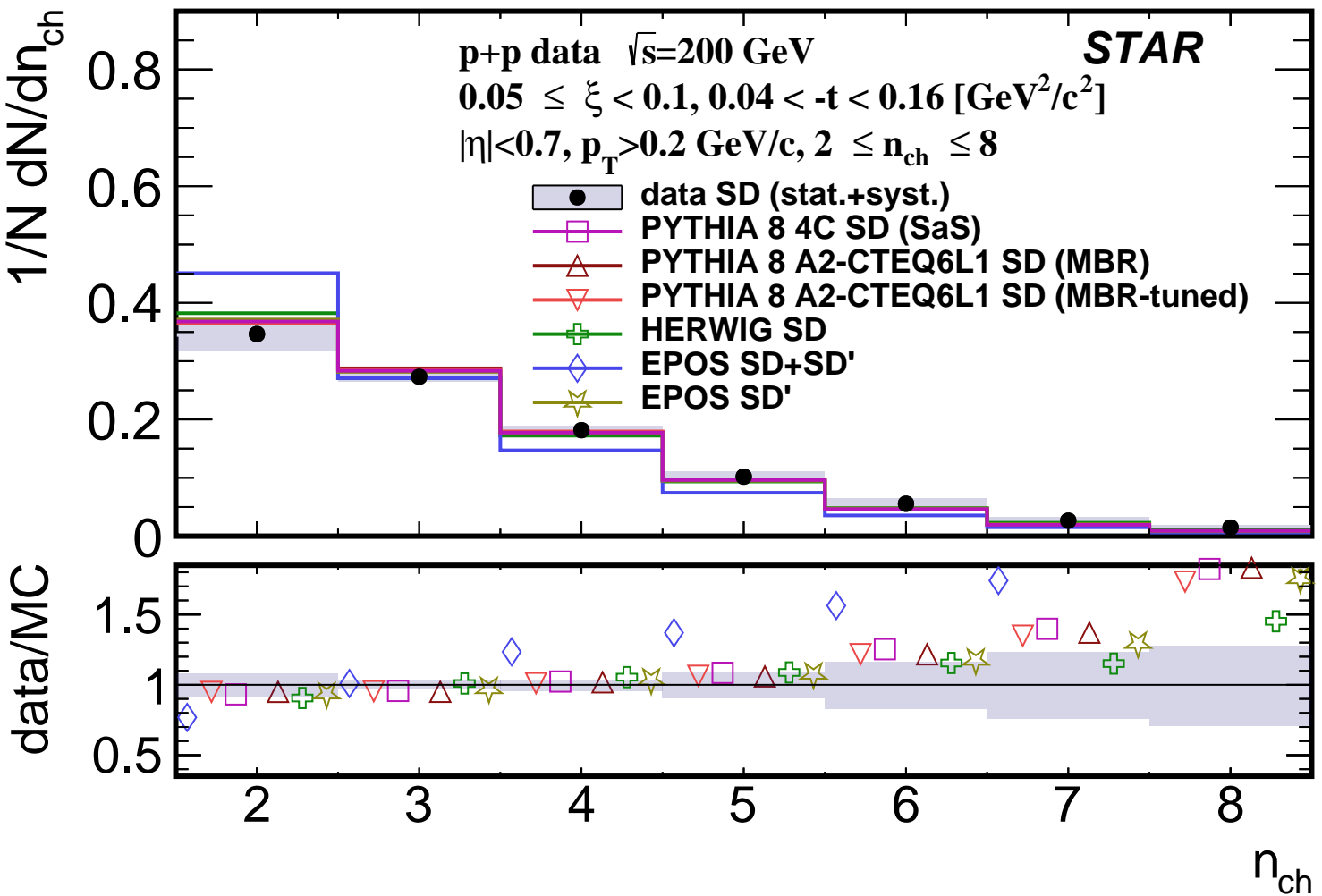


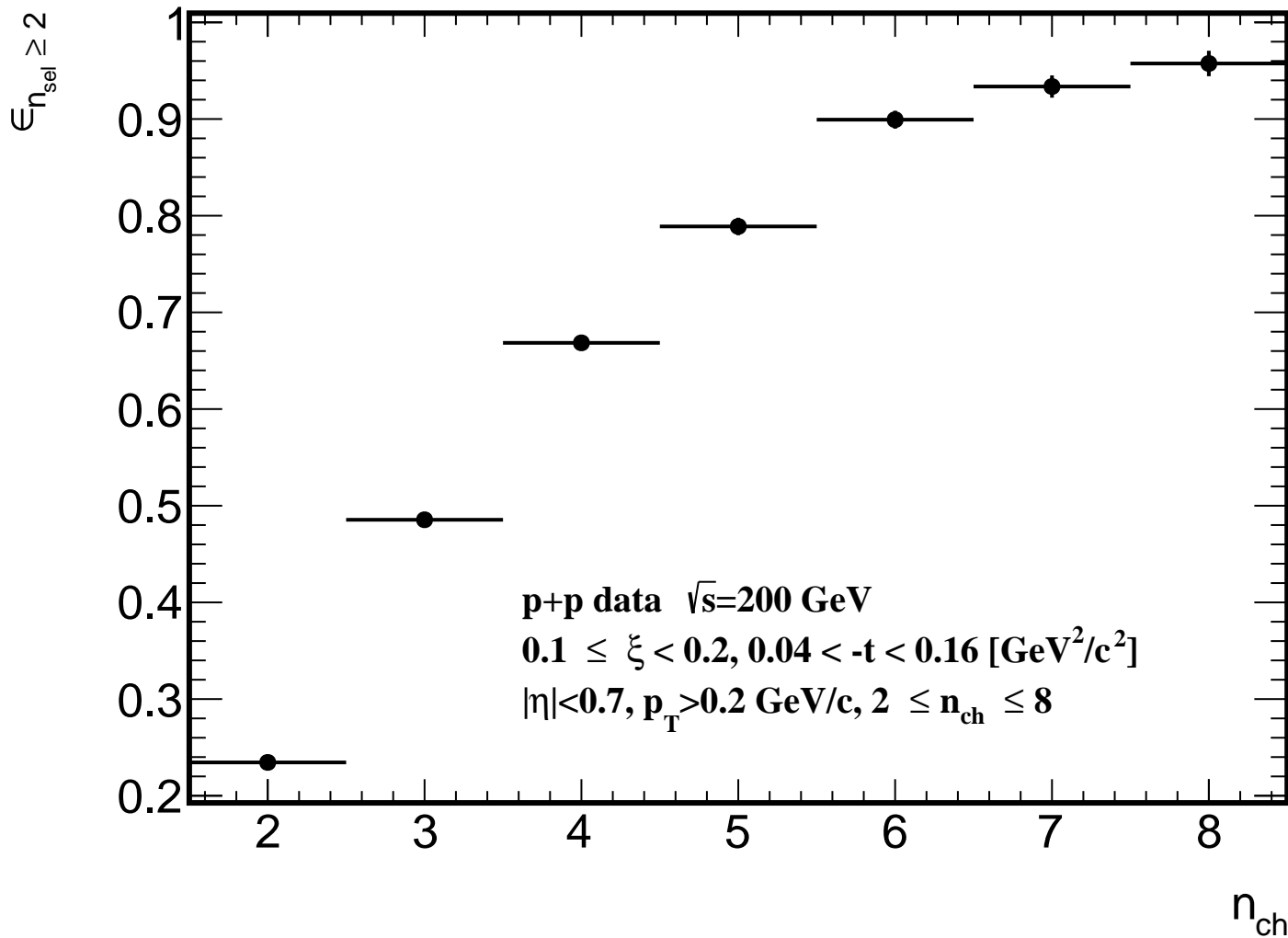


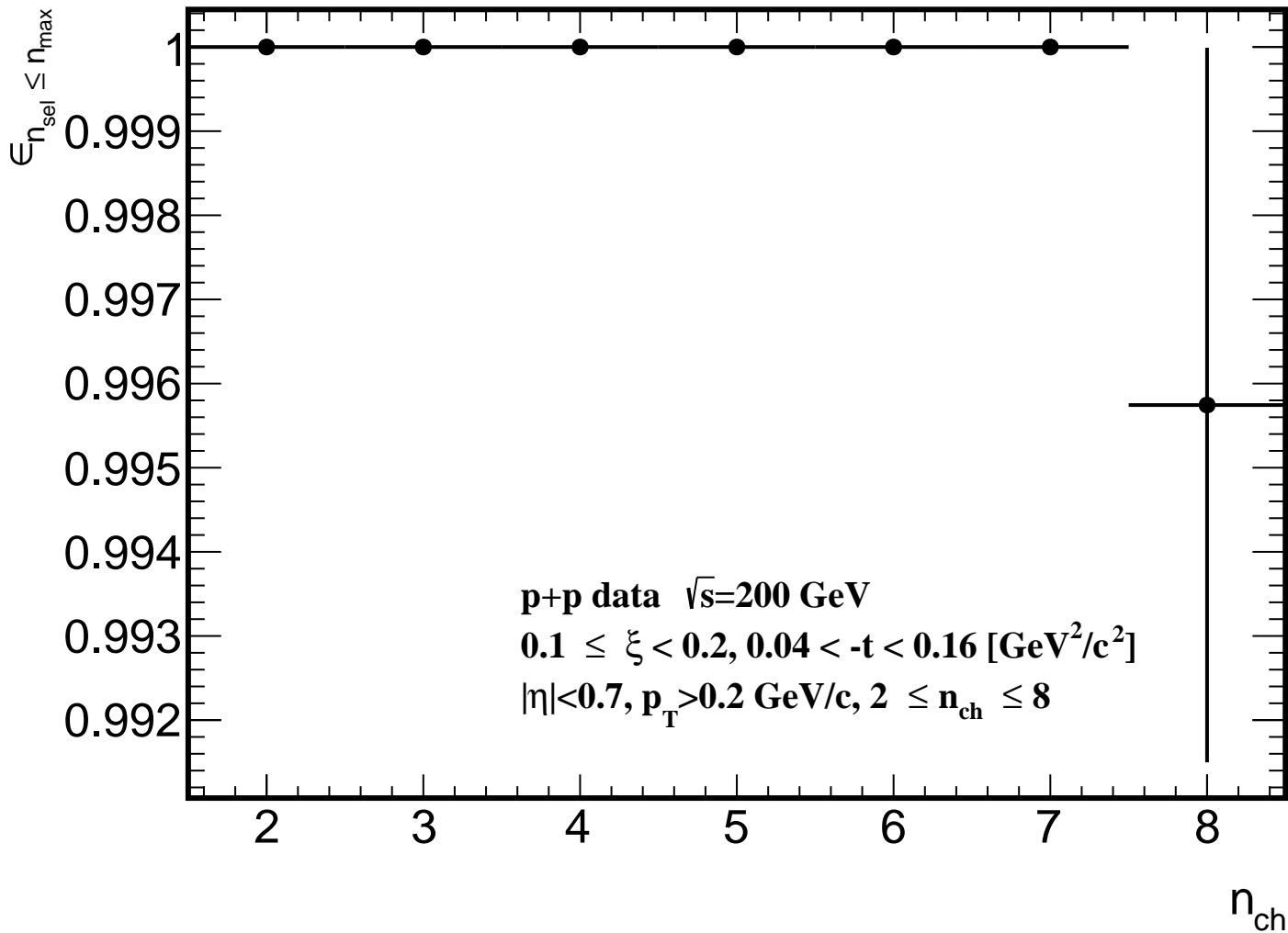


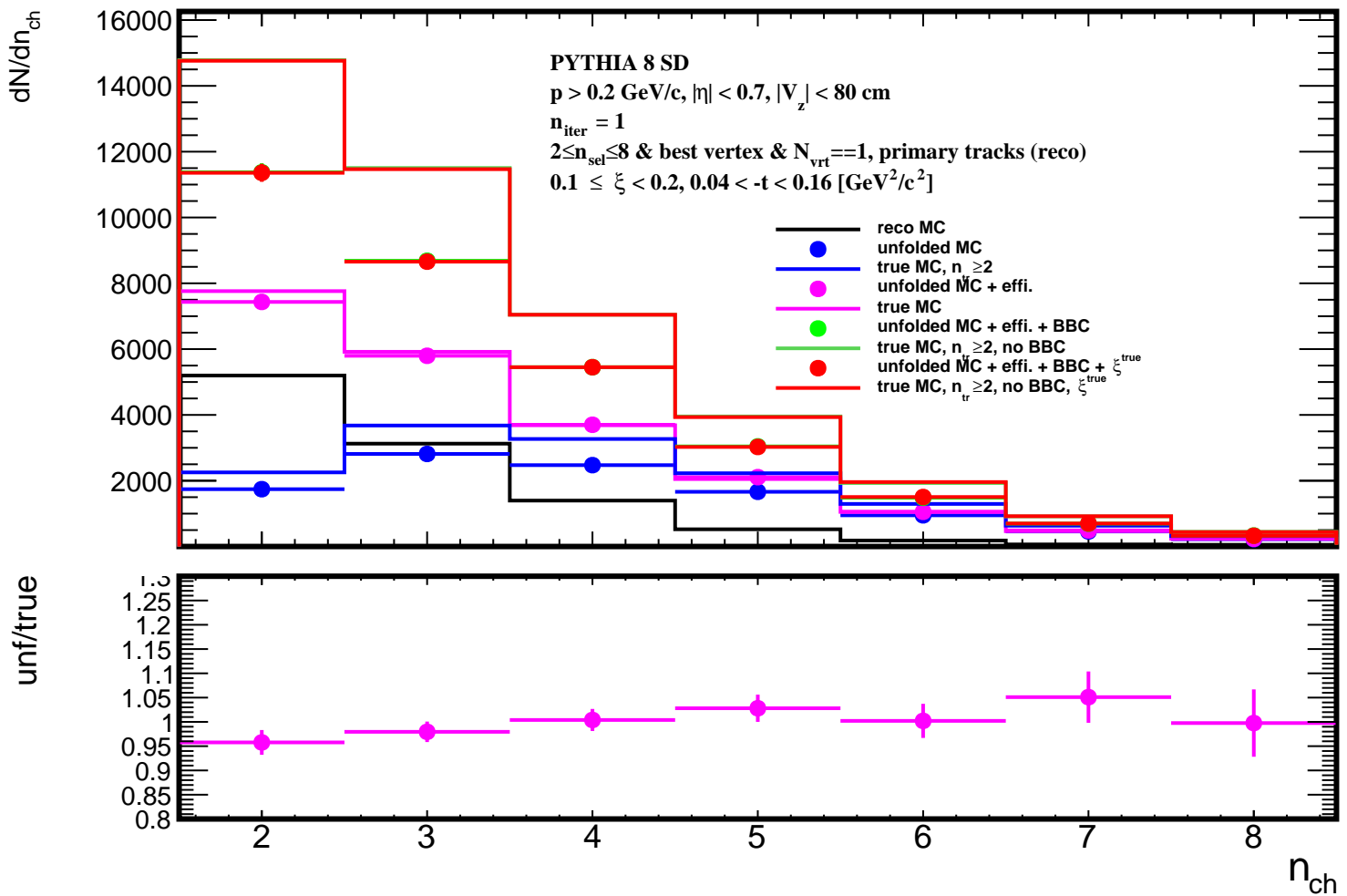


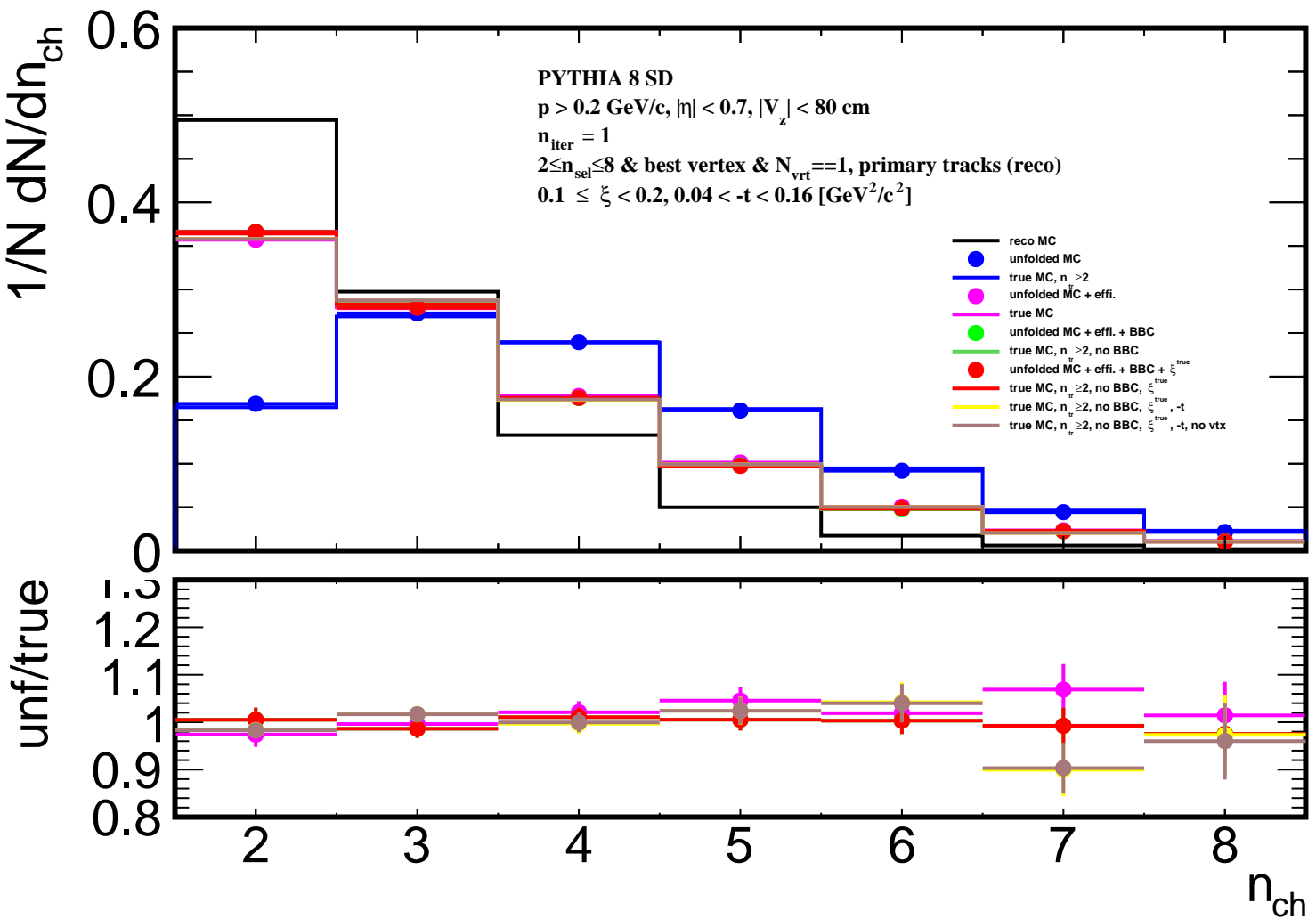


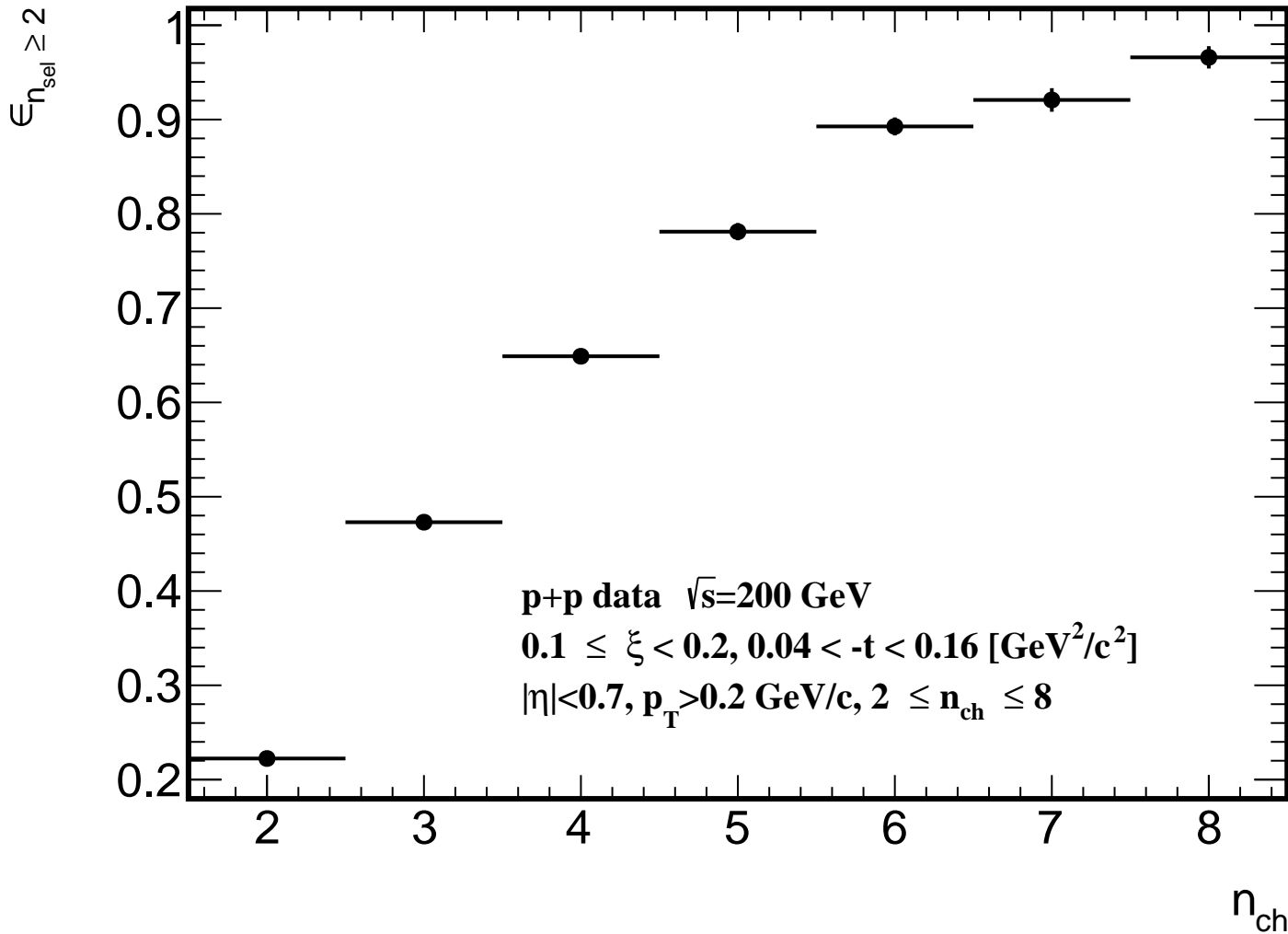


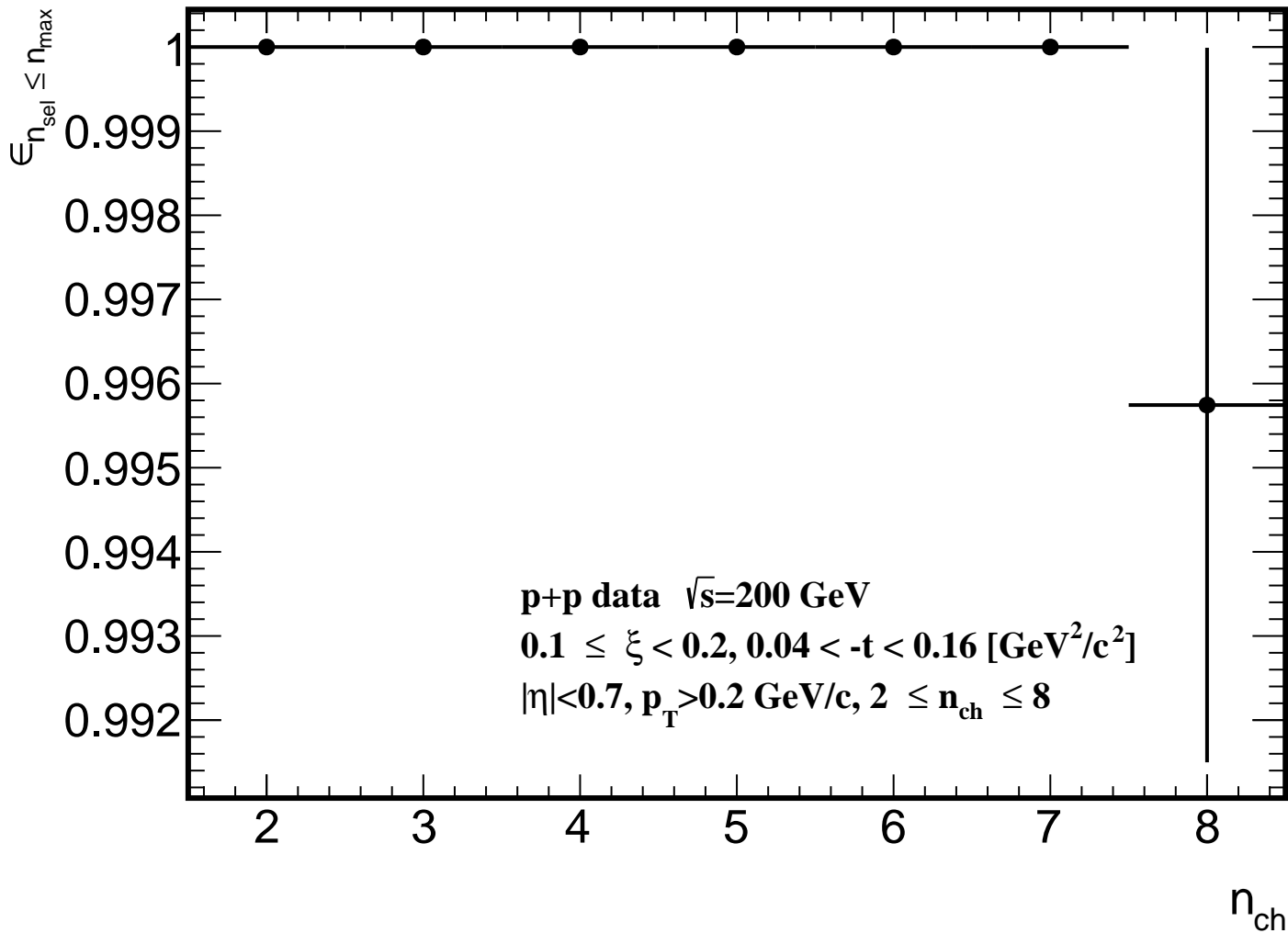




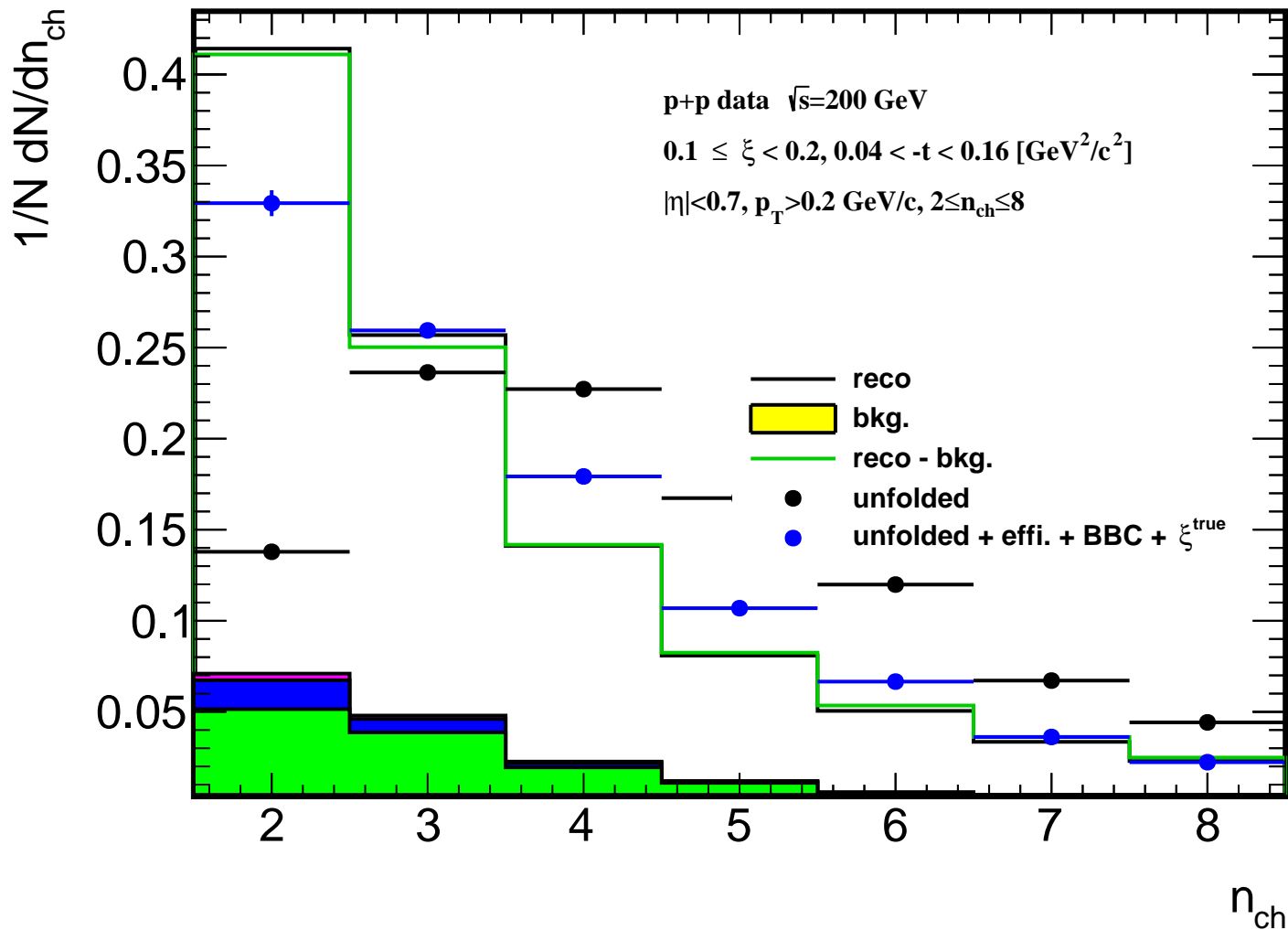


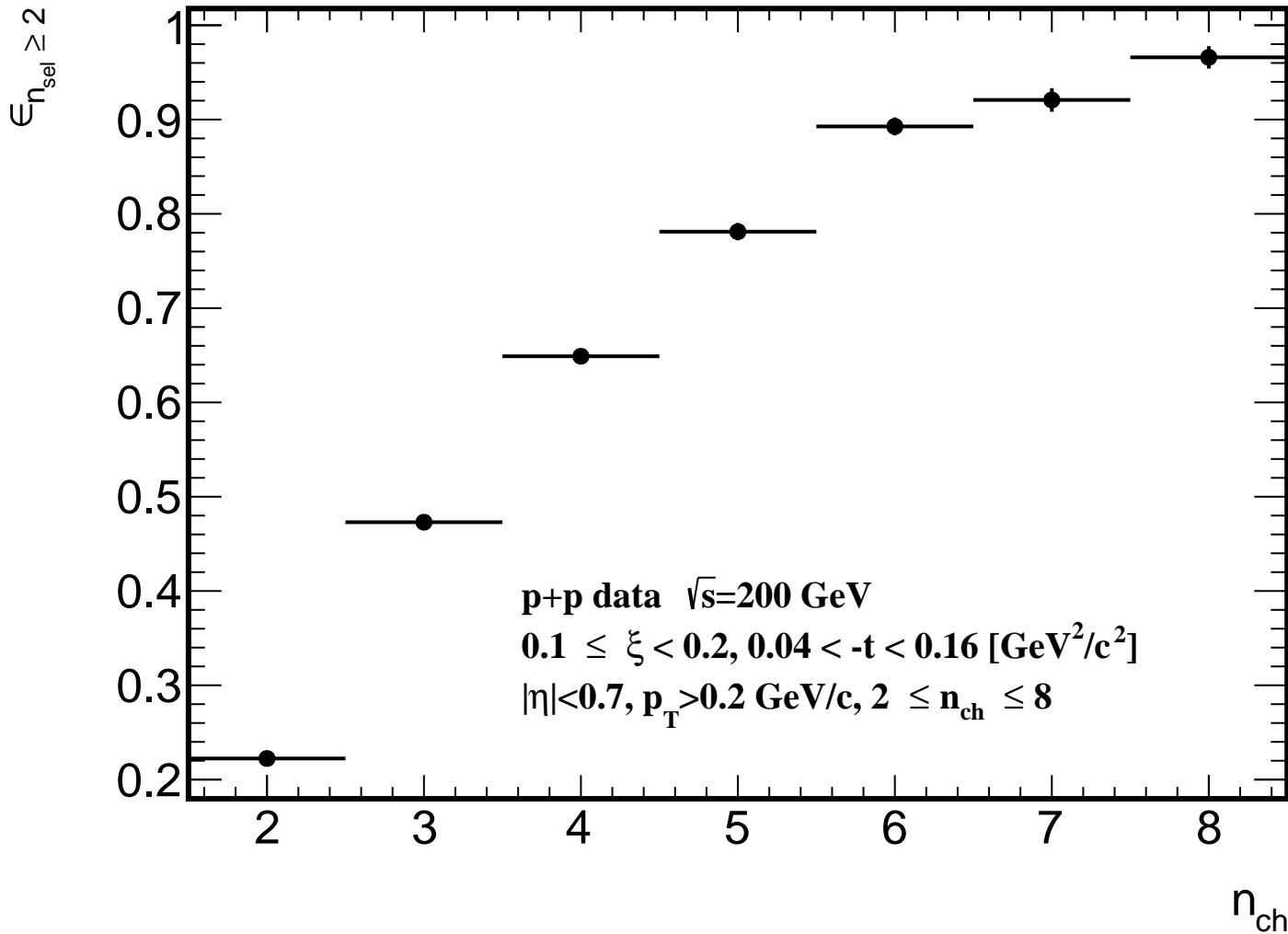


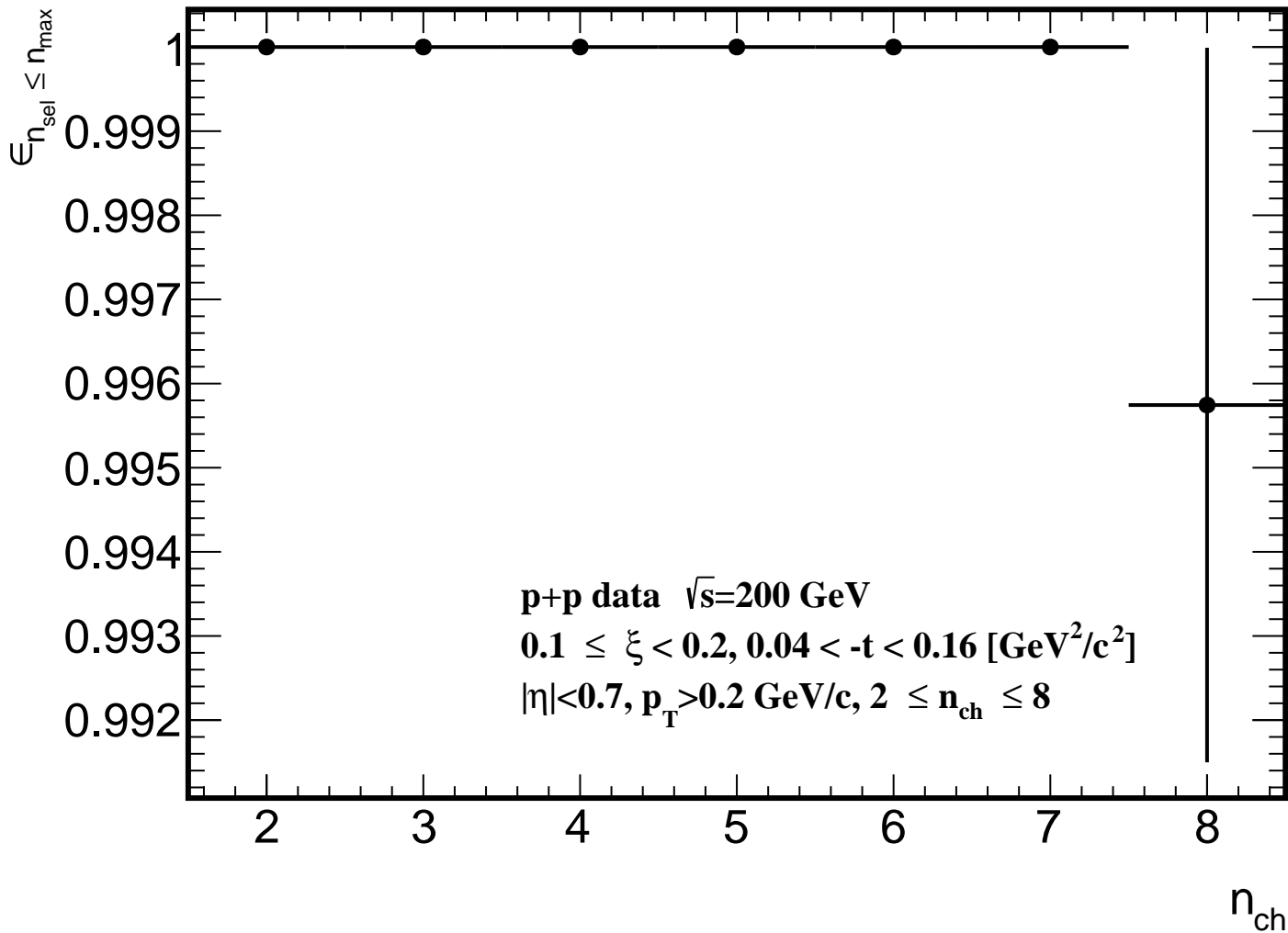


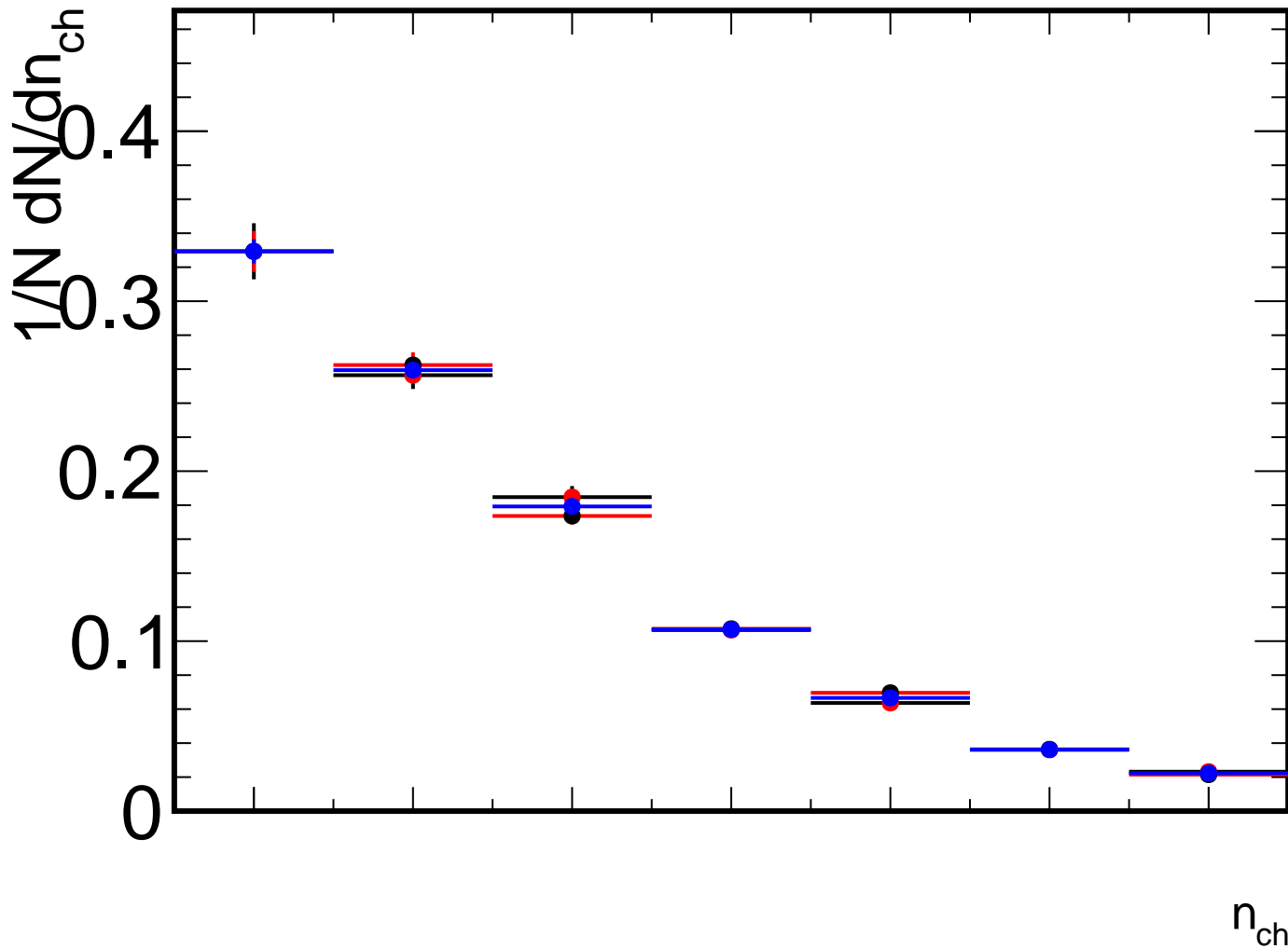


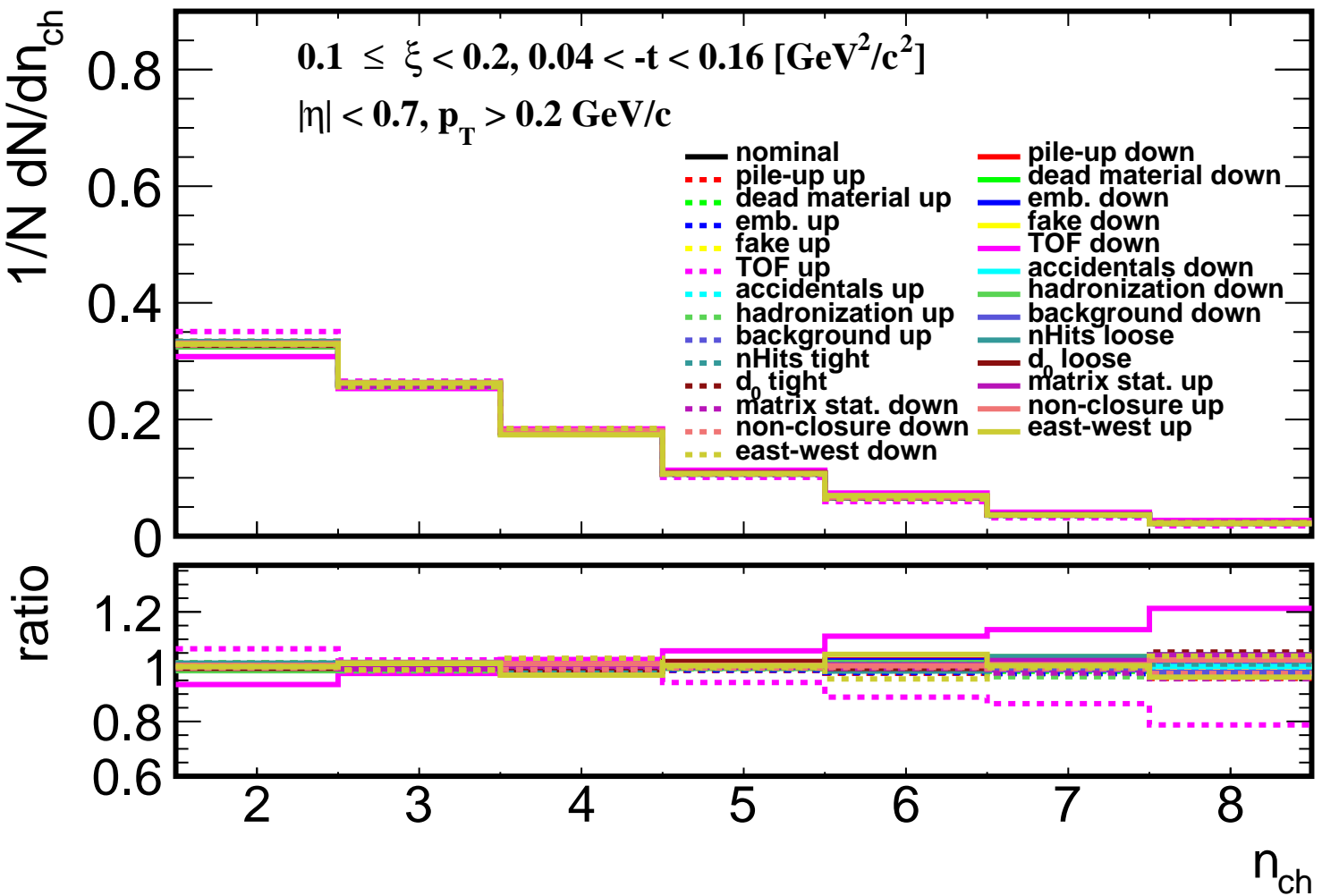


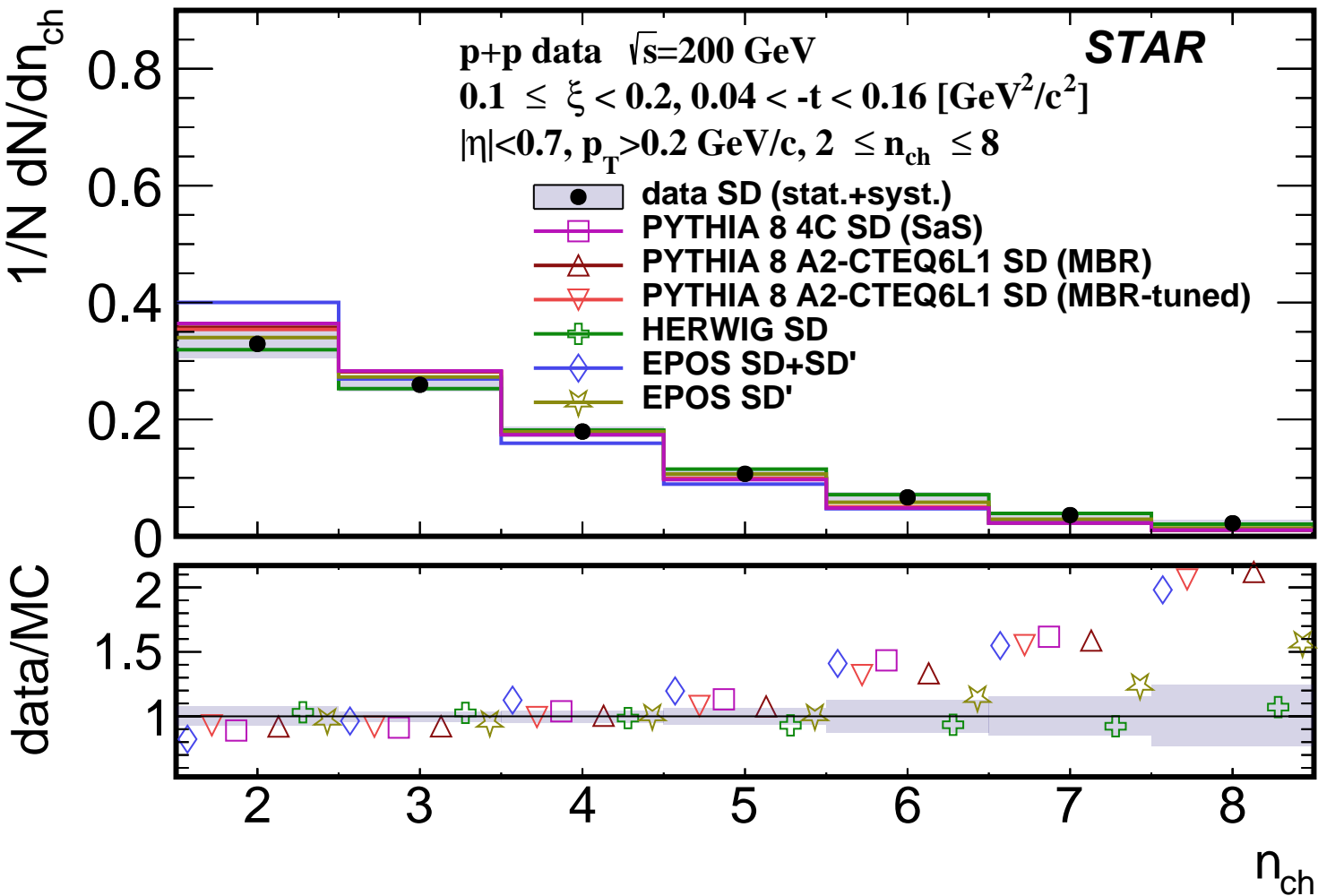


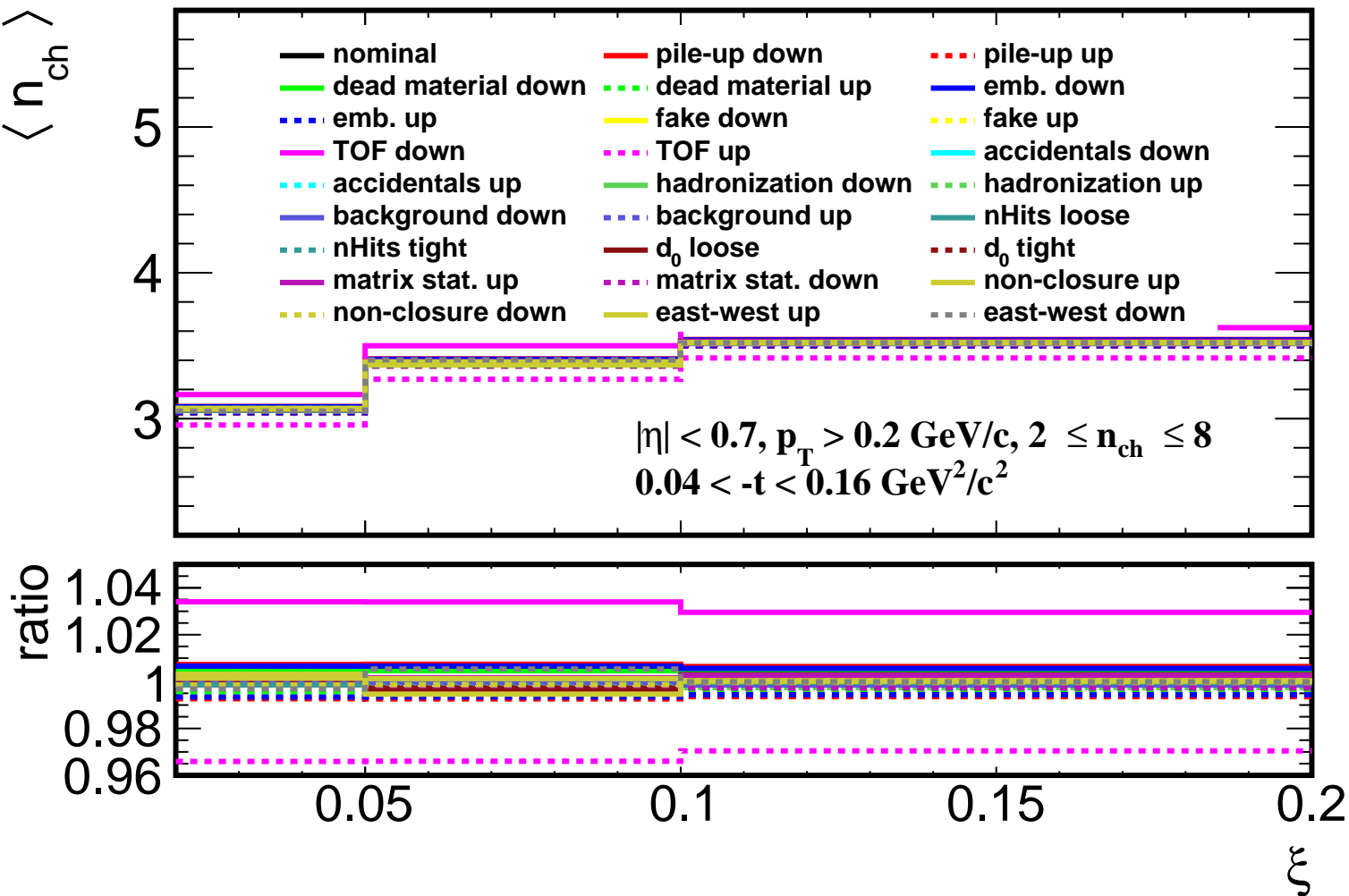












$\langle n_{\text{ch}} \rangle$ **STAR****p+p data  $\sqrt{s}=200$  GeV** **$0.04 < -t < 0.16$  [GeV<sup>2</sup>/c<sup>2</sup>]** **$|\eta| < 0.7, p_T > 0.2$  GeV/c,  $2 \leq n_{\text{ch}} \leq 8$** 

- data SD (stat.+syst.)
- PYTHIA 8 4C SD (SaS)
- △ PYTHIA 8 A2-CTEQ6L1 SD (MBR)
- ▽ PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)
- ✚ HERWIG SD
- ◇ EPOS SD+SD'
- ☆ EPOS SD'

