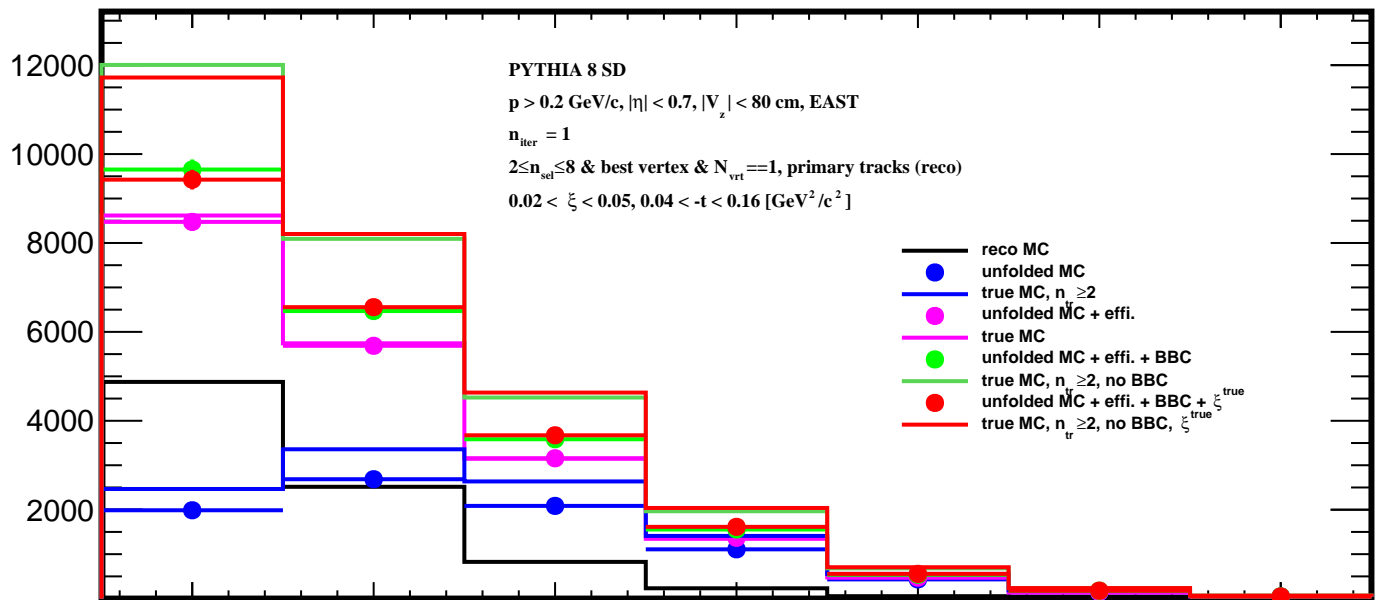
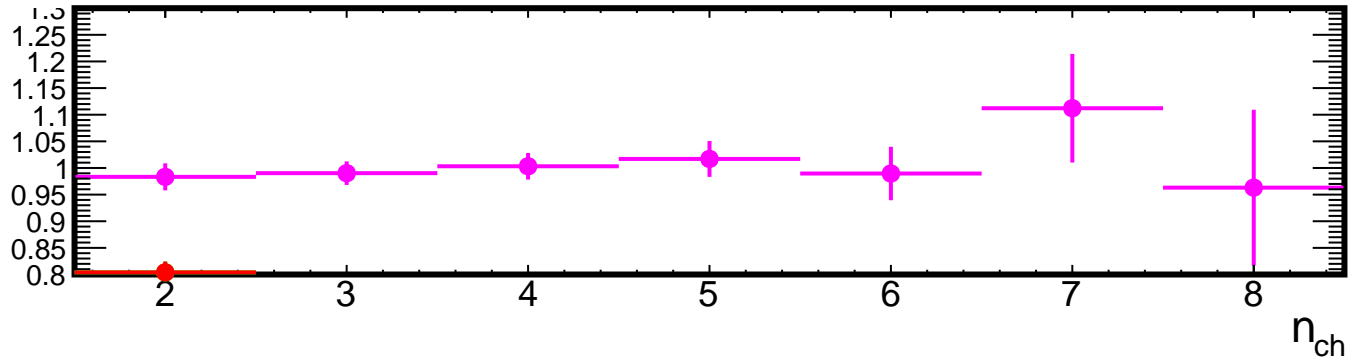
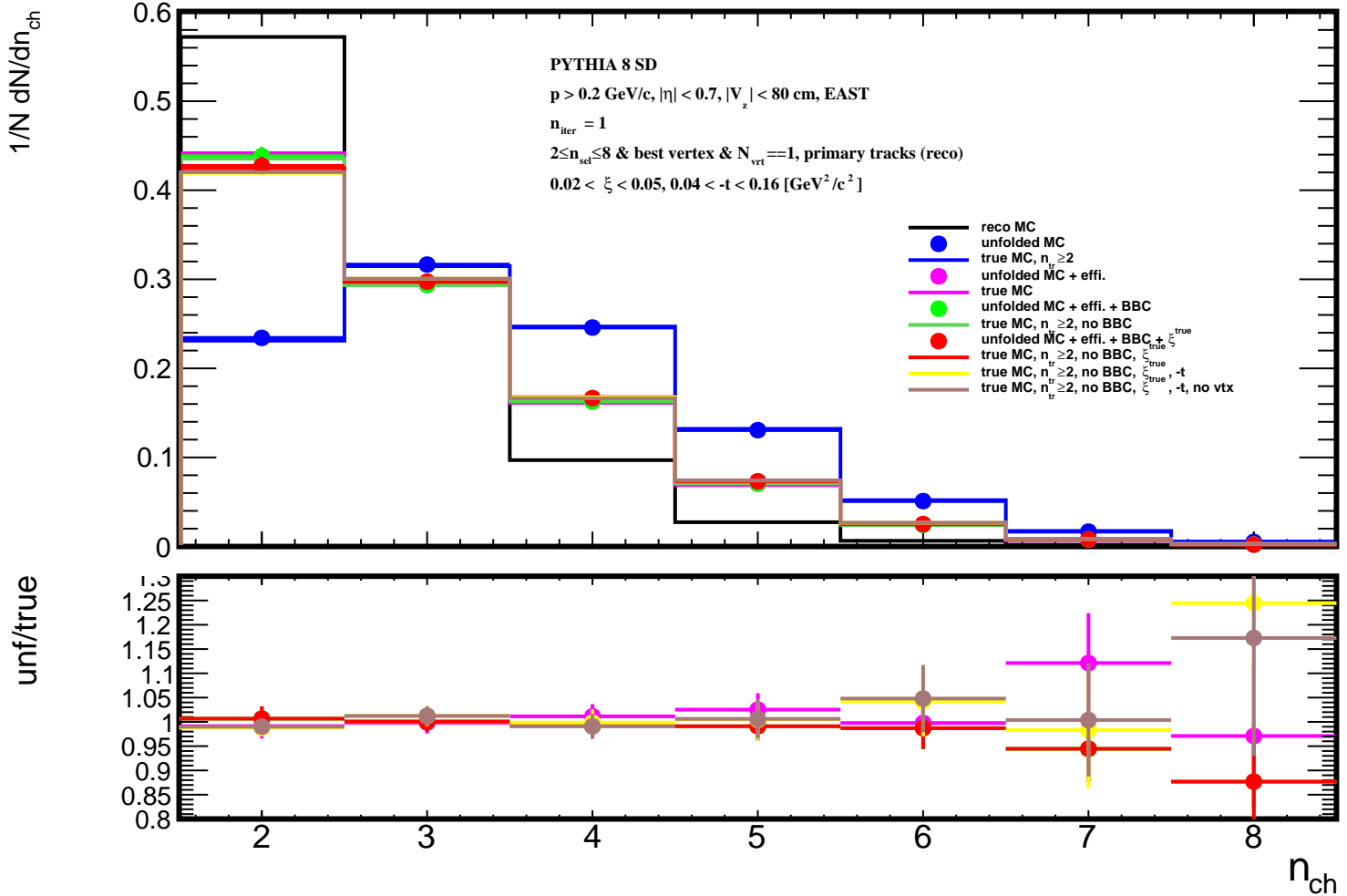
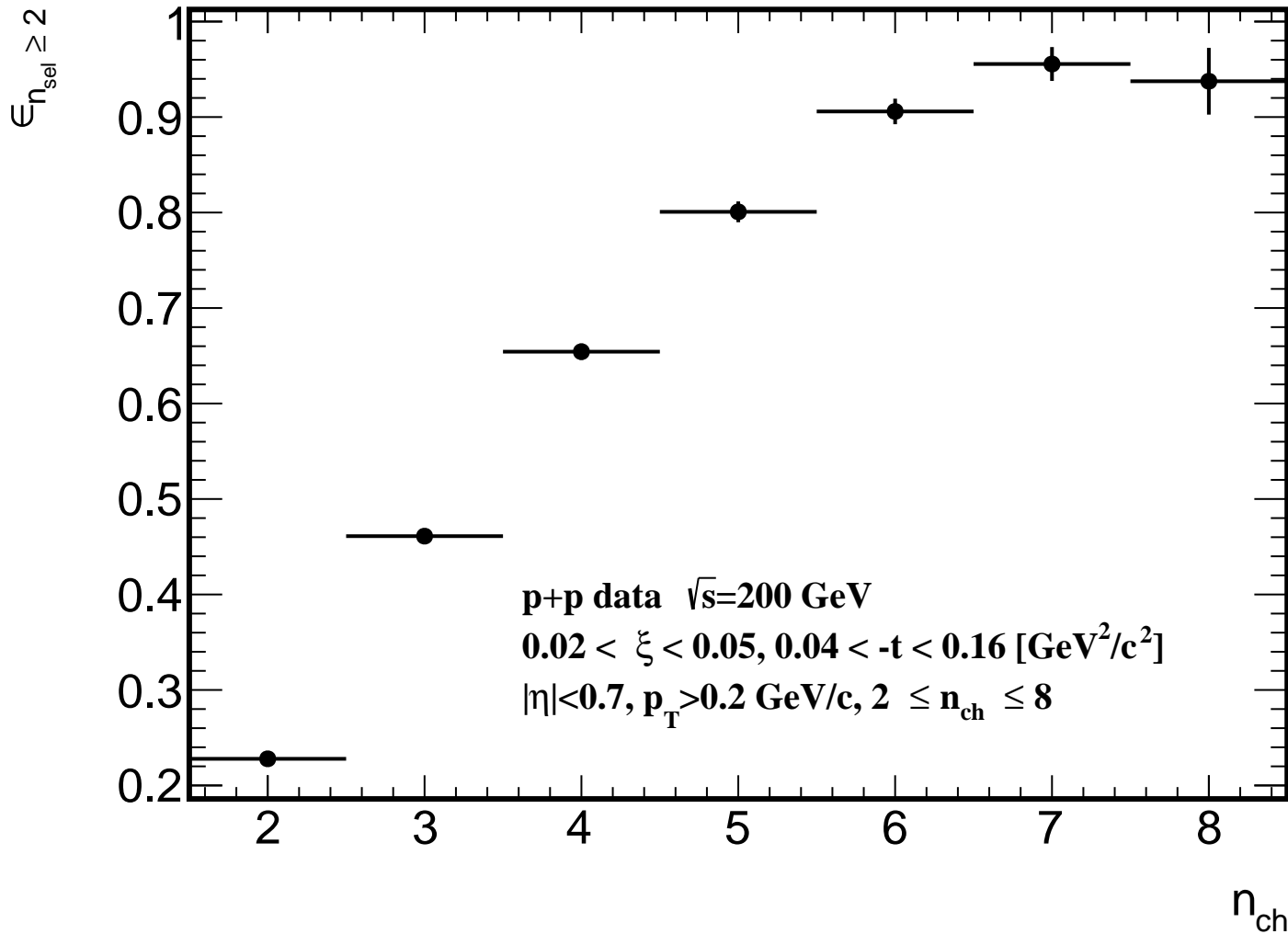
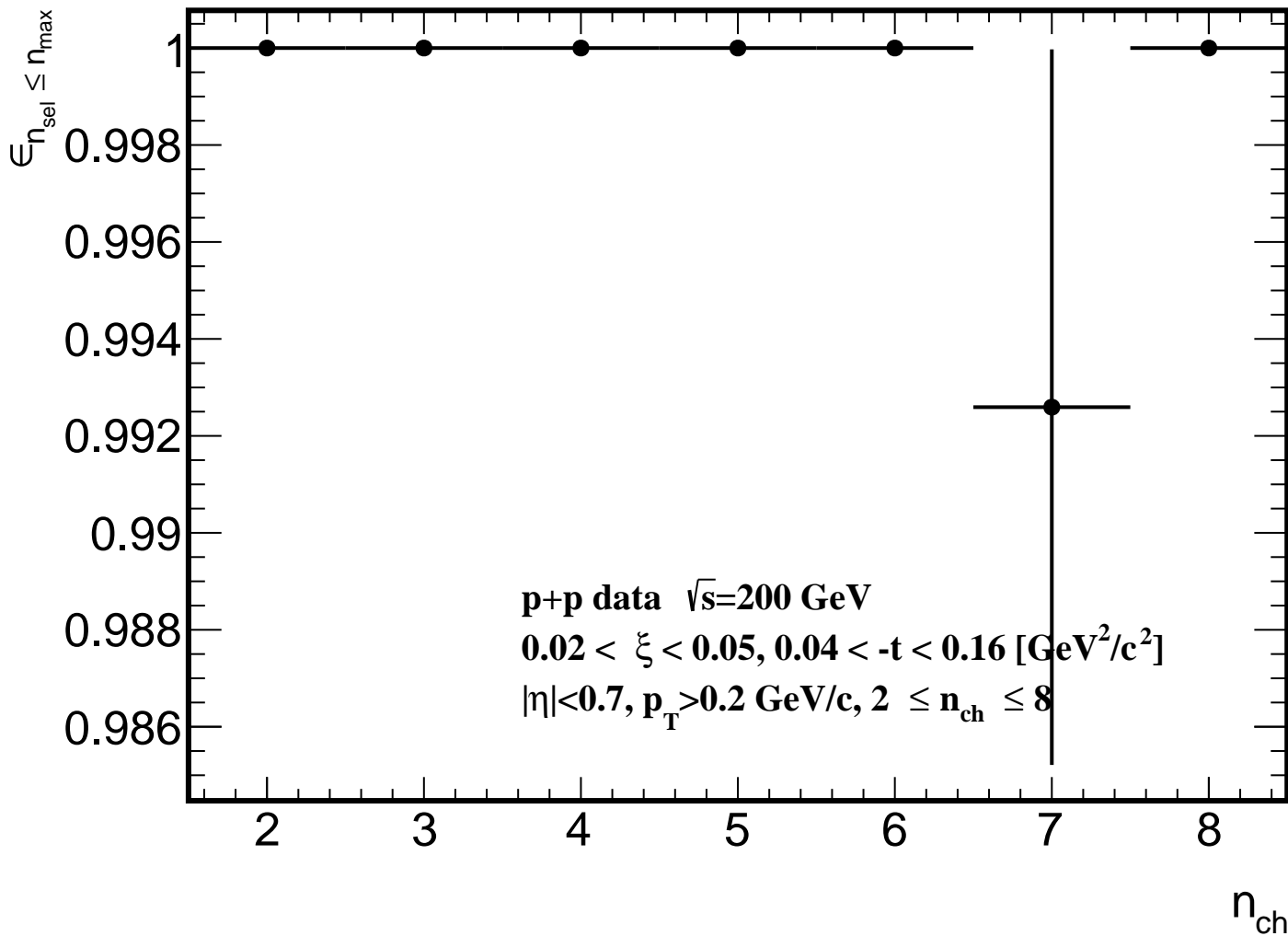
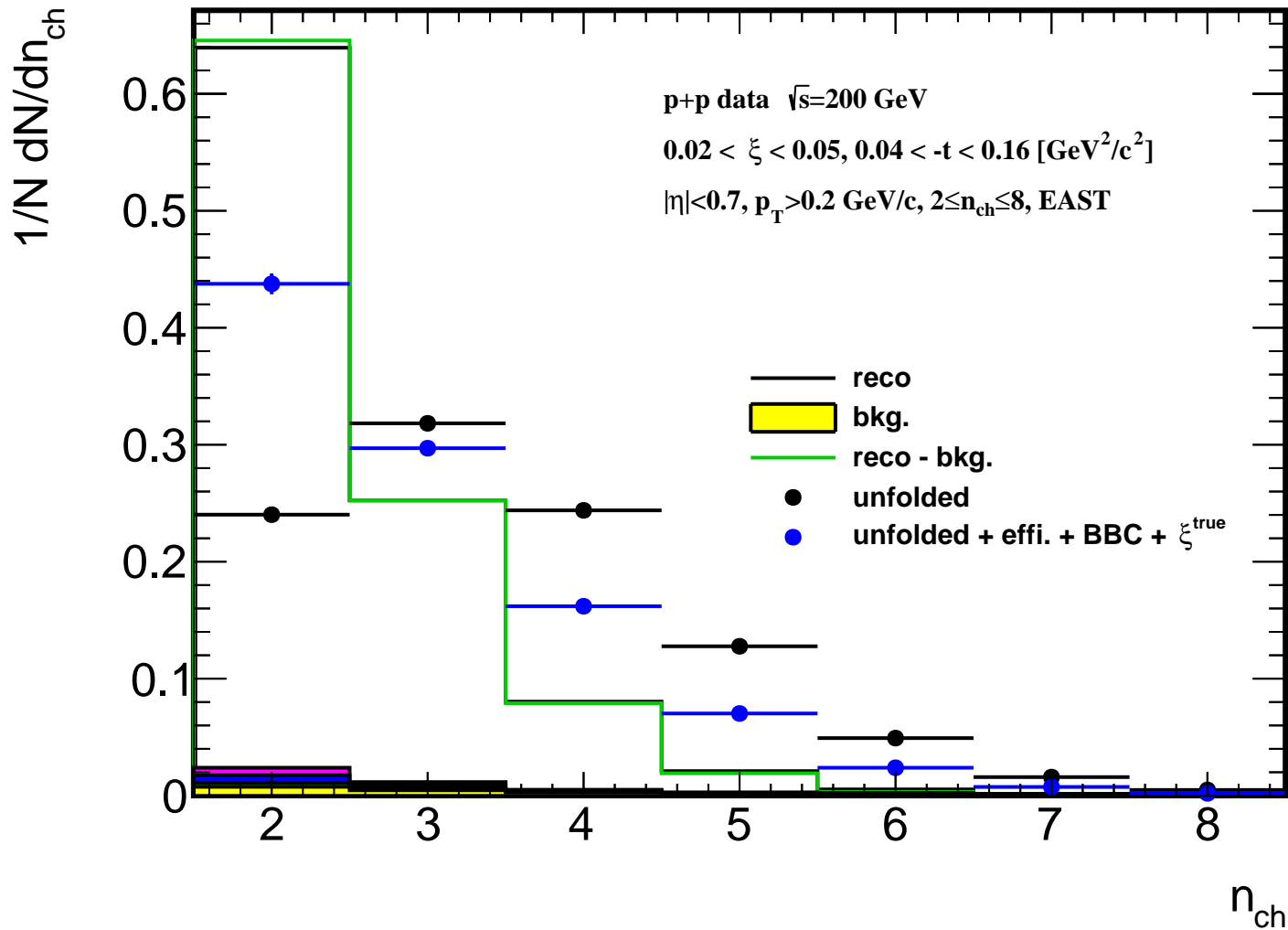


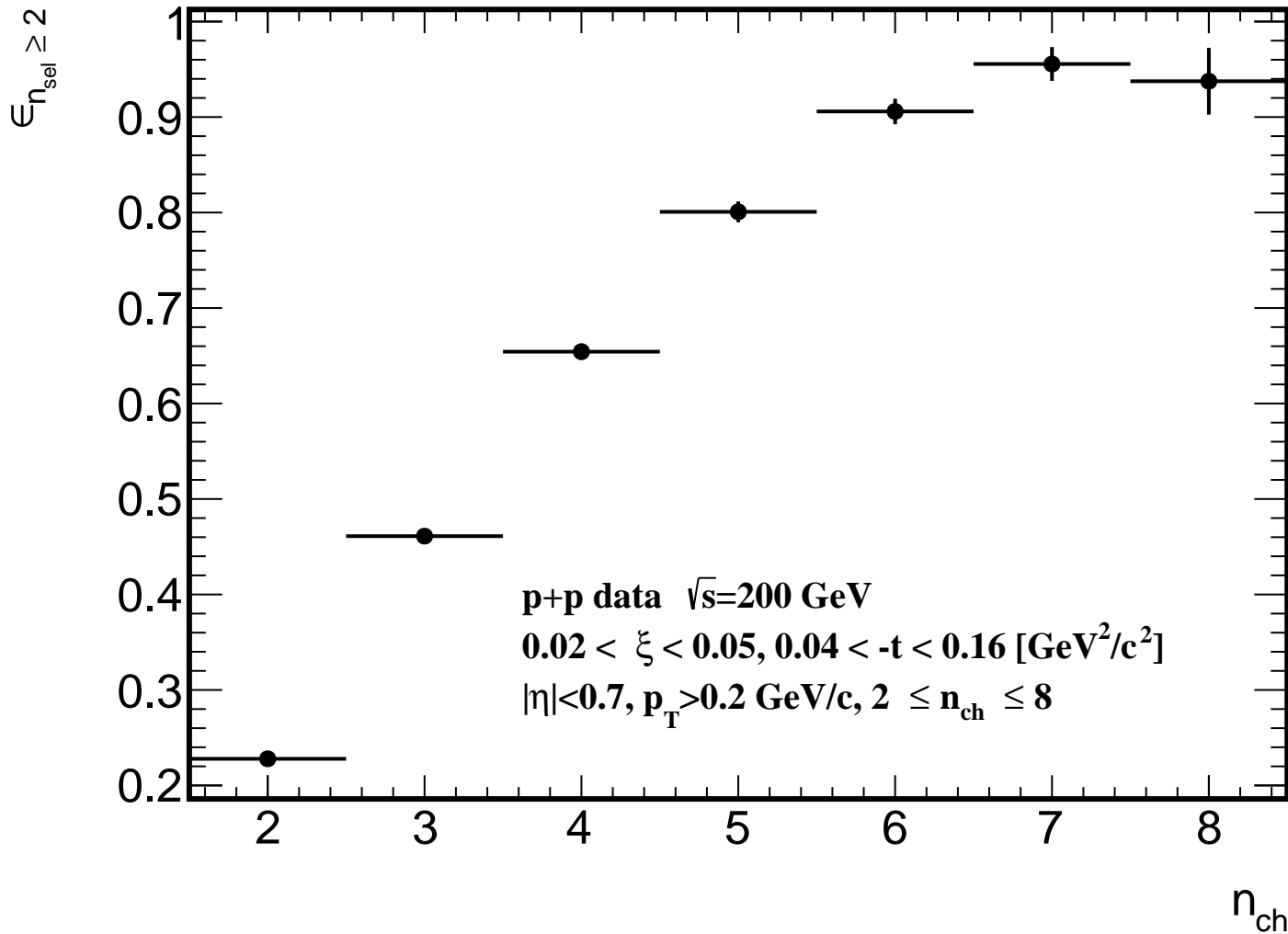
dN/dn_{ch}  $unf/true$ 

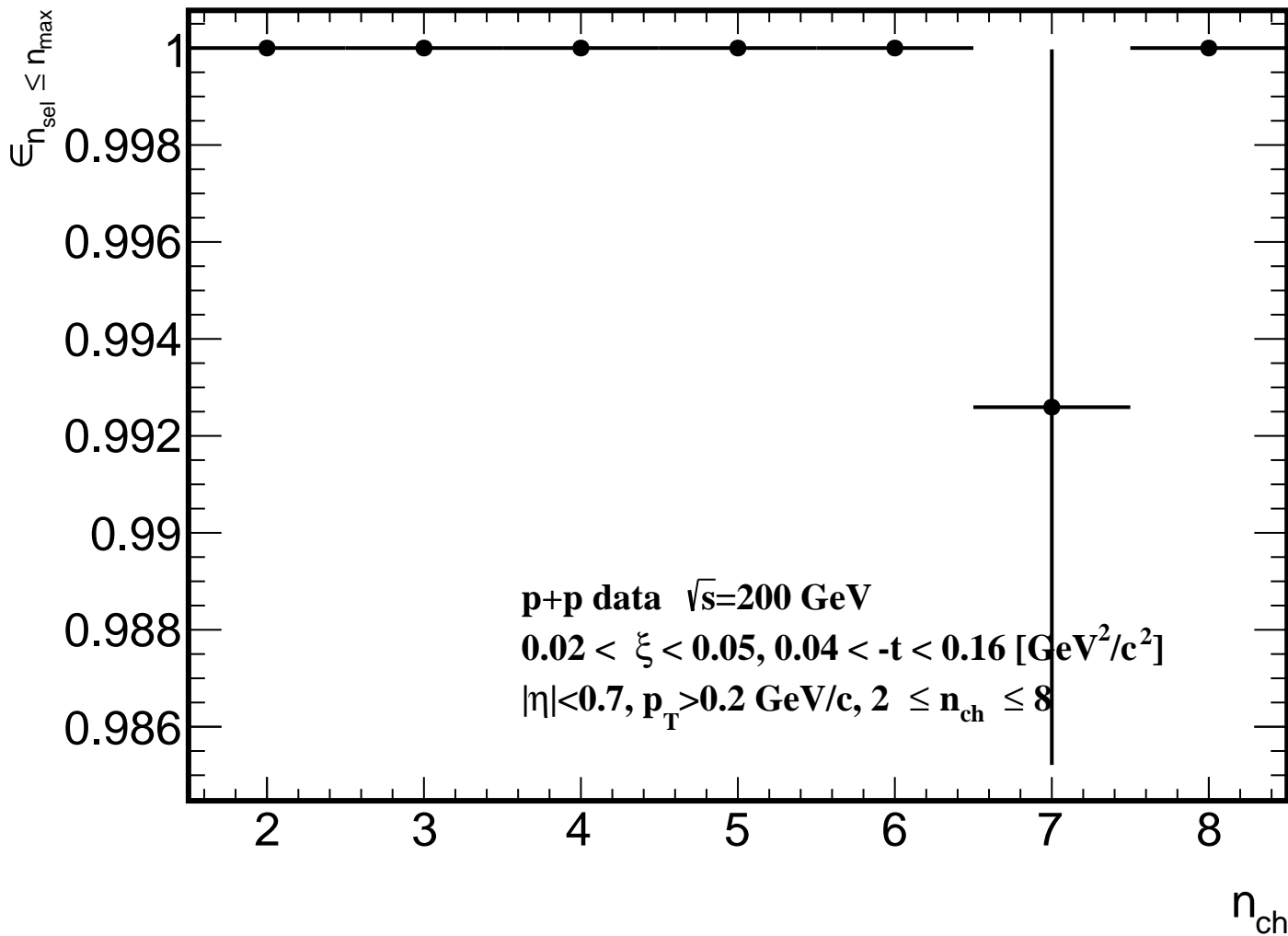


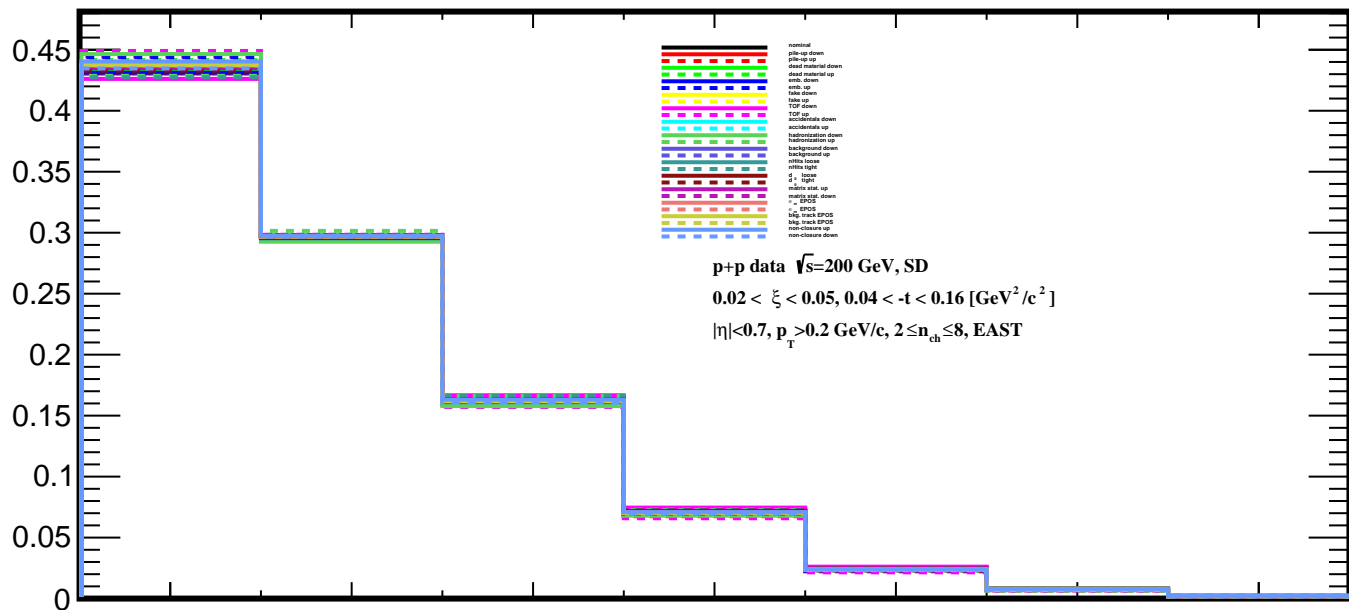




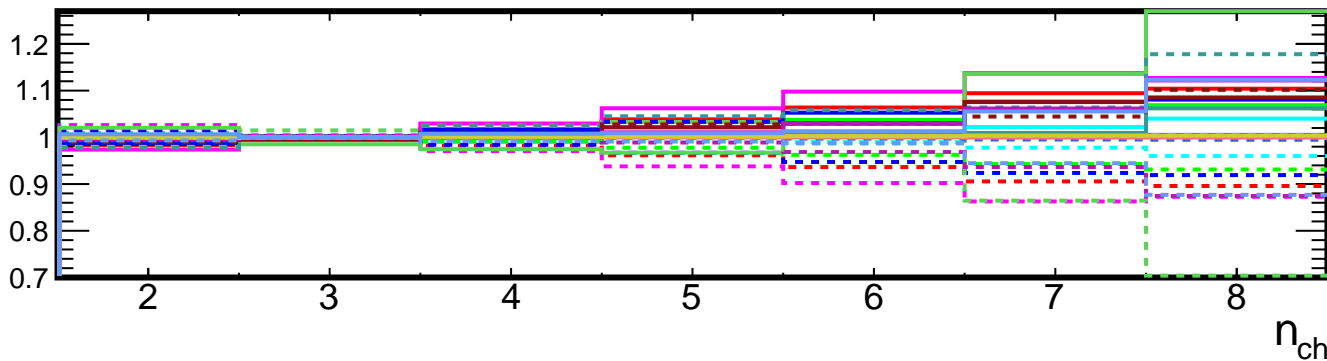


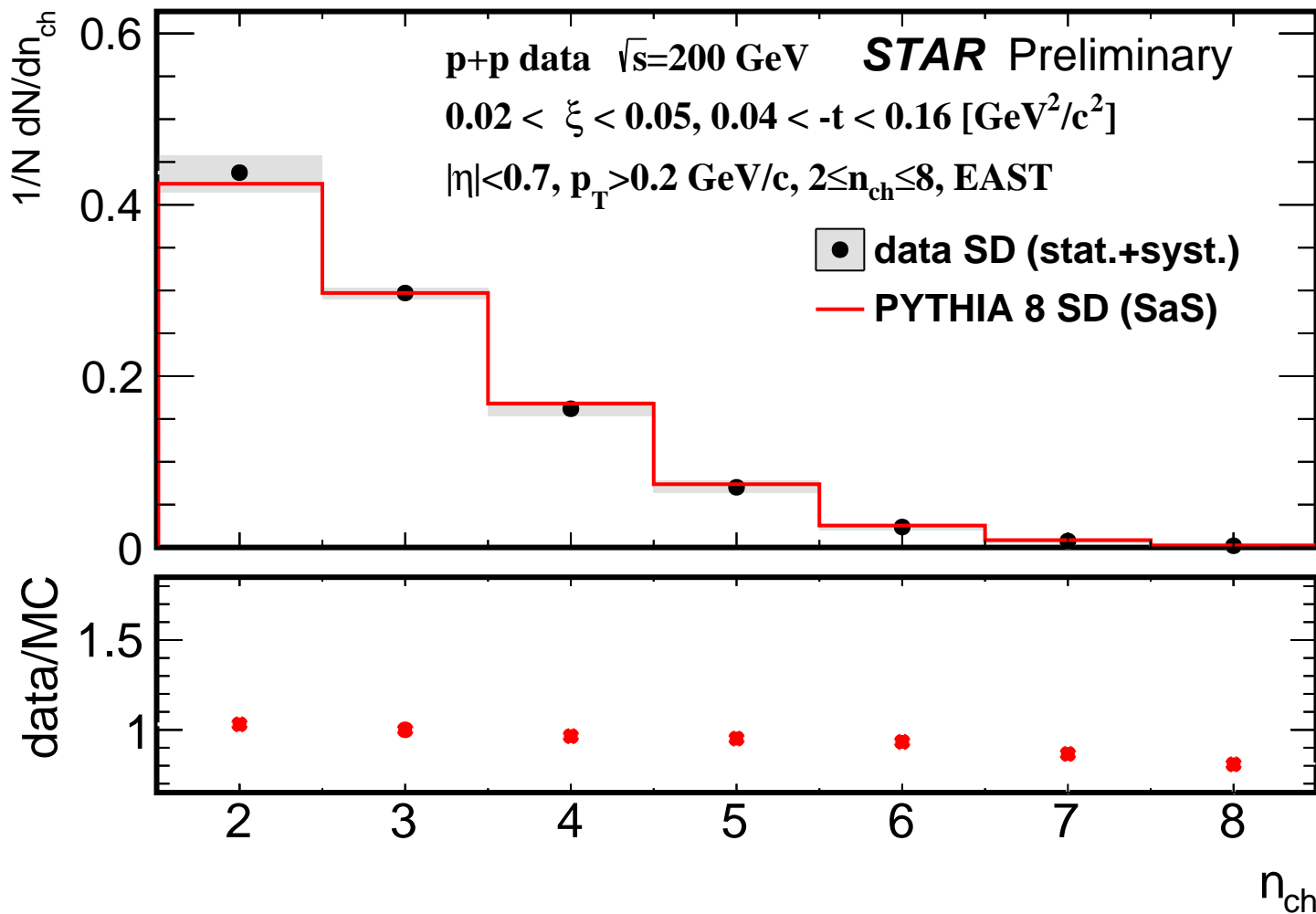


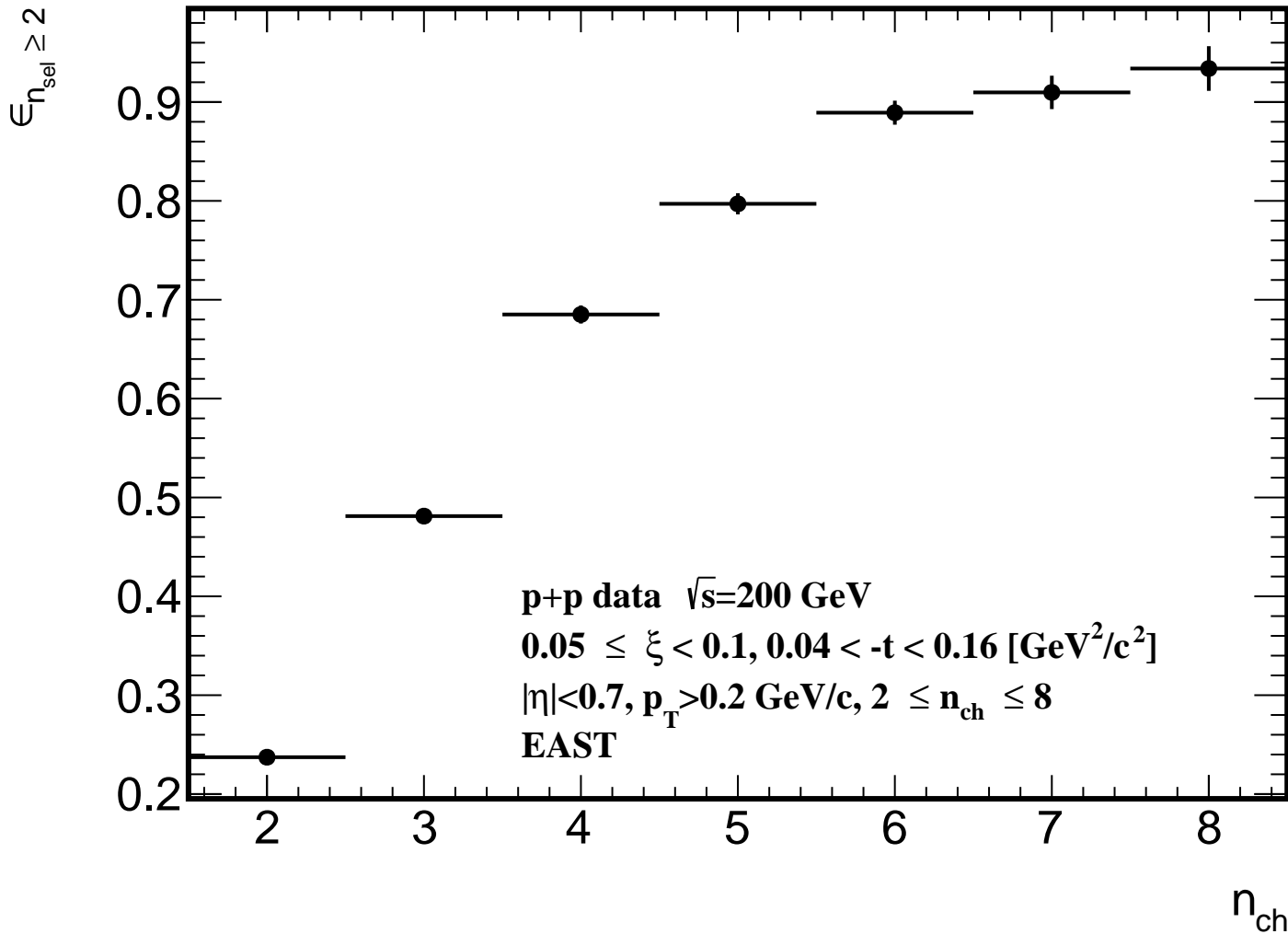


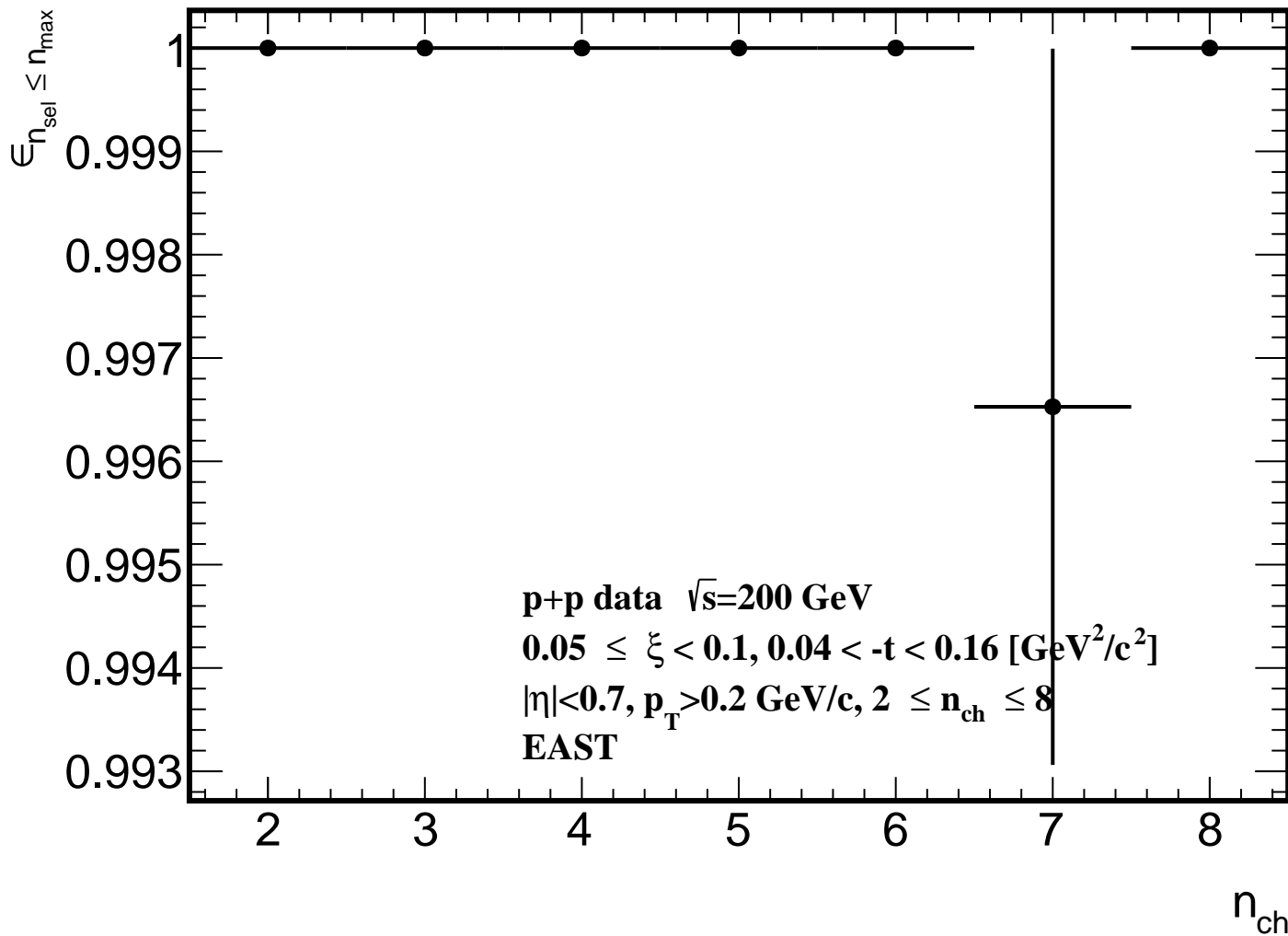
$1/N \, dN/dn_{\text{ch}}$ 

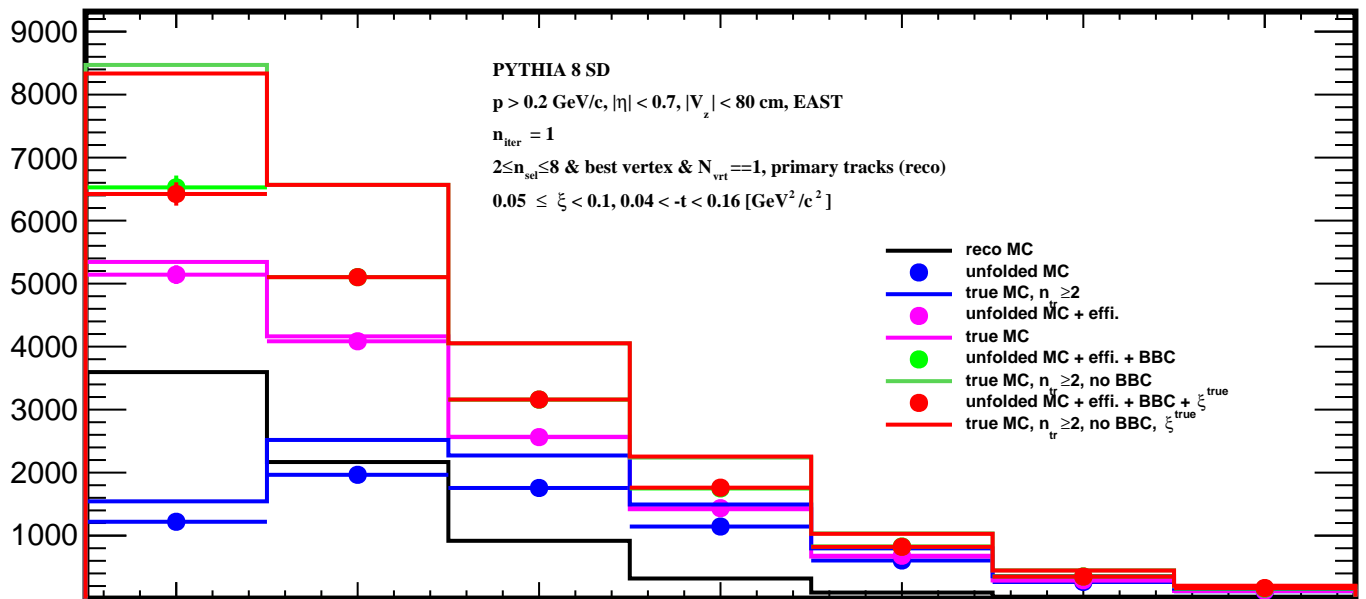
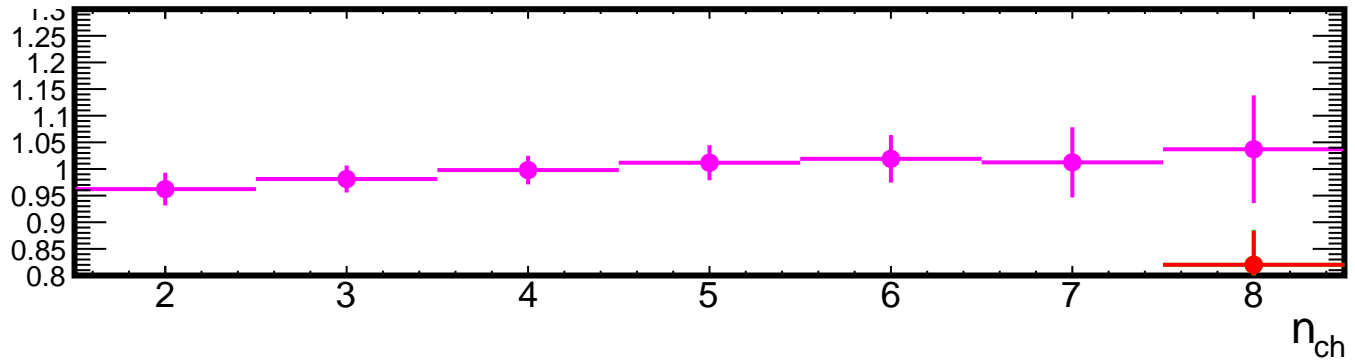
ratio









dN/dn_{ch}  unf/true 

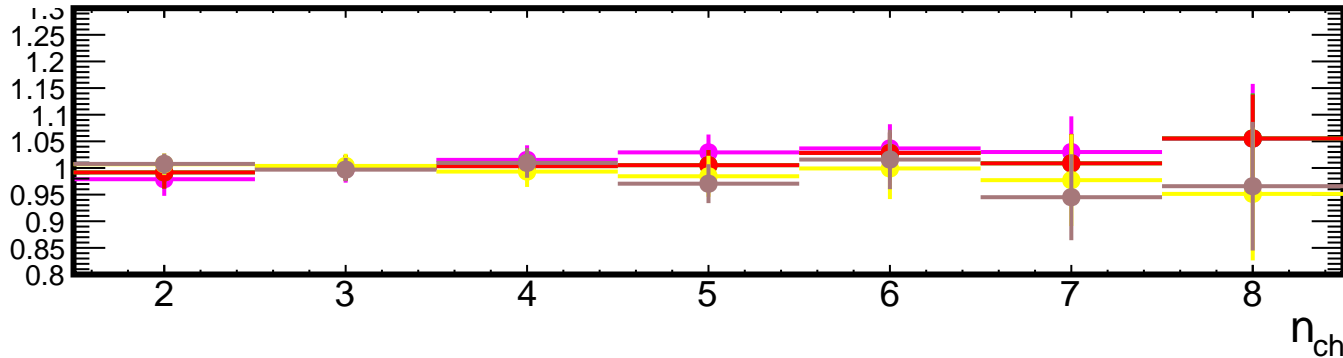
$1/N \, dN/dn_{\text{ch}}$

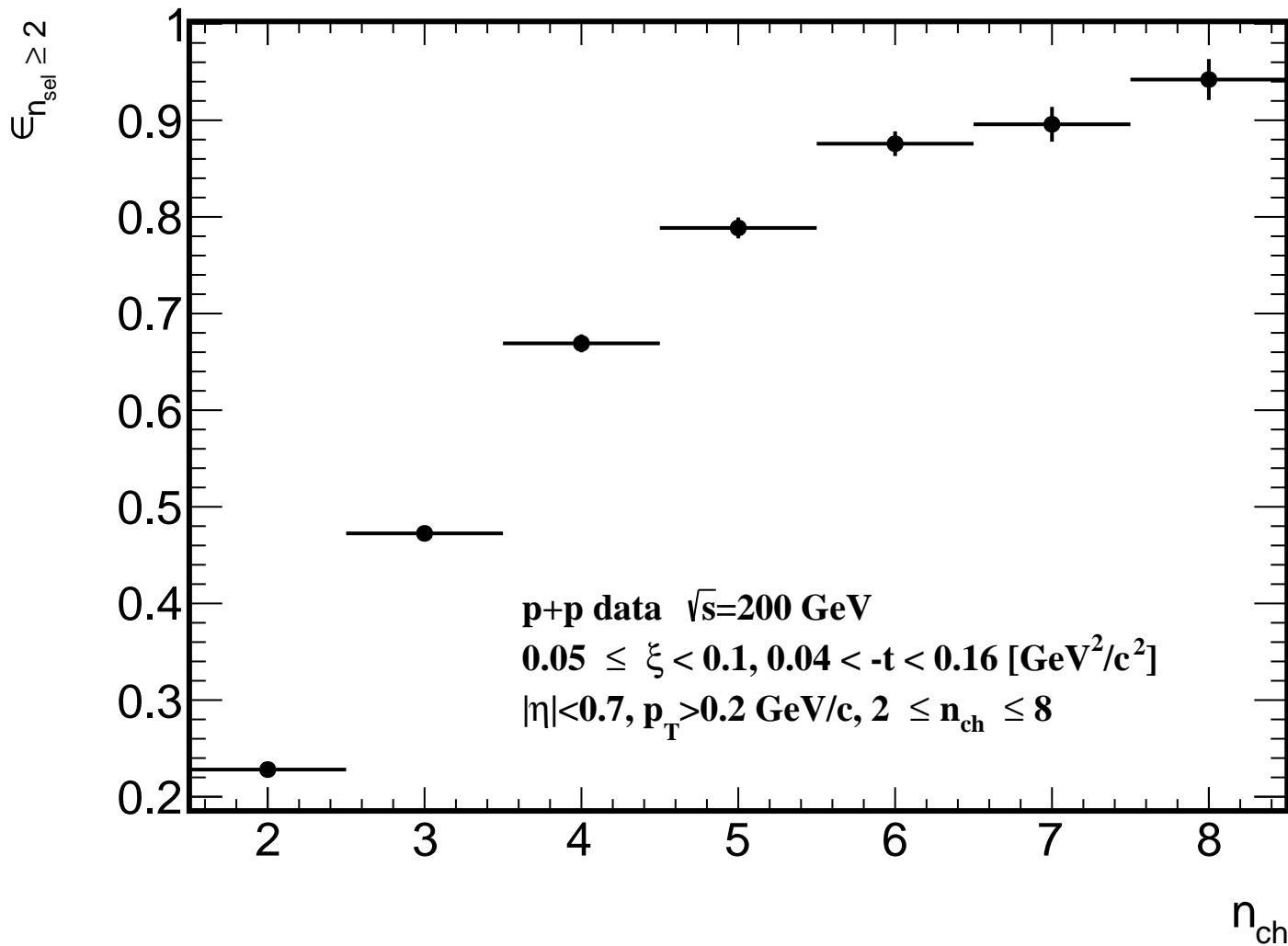
PYTHIA 8 SD

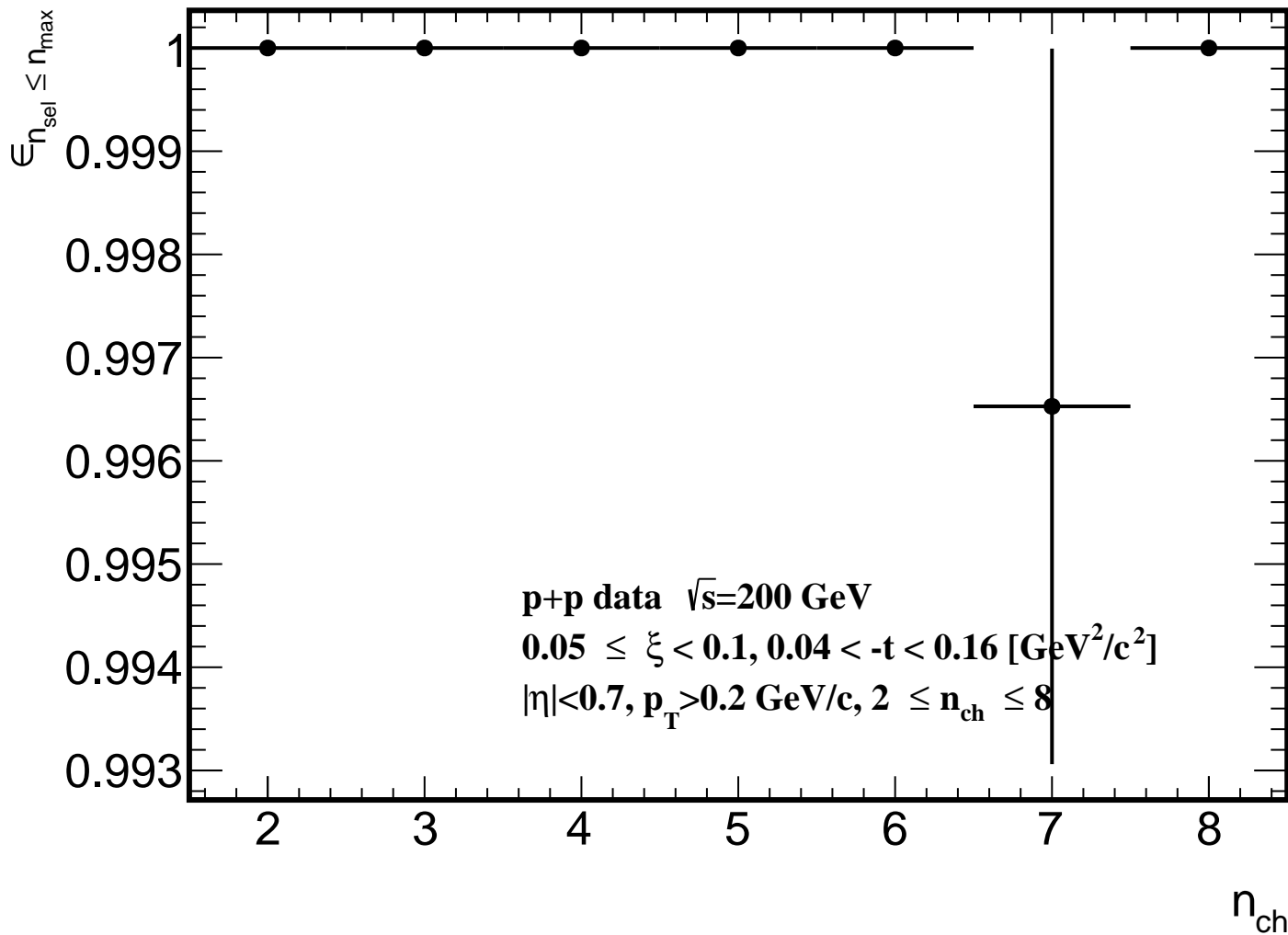
 $p > 0.2 \text{ GeV}/c, |\eta| < 0.7, |V_z| < 80 \text{ cm, EAST}$ $n_{\text{iter}} = 1$ $2 \leq n_{\text{sel}} \leq 8 \text{ \& best vertex \& } N_{\text{vtx}} = 1, \text{ primary tracks (reco)}$ $0.05 \leq \xi < 0.1, 0.04 < -t < 0.16 \text{ [GeV}^2/c^2 \text{]}$

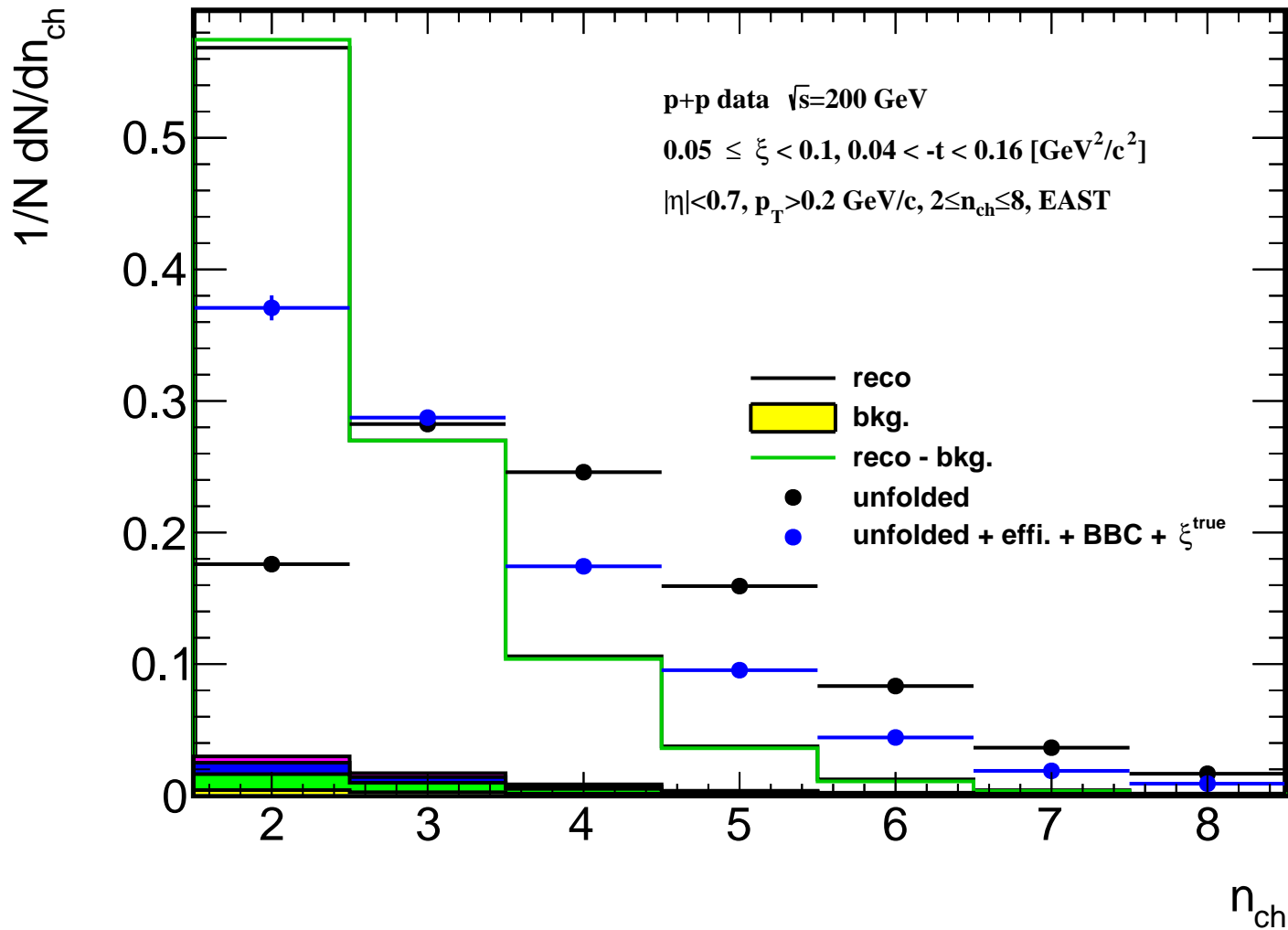
- reco MC
- unfolded MC
- true MC, $n_{\text{tr}} \geq 2$
- unfolded MC + effi.
- true MC
- unfolded MC + effi. + BBC
- true MC, $n_{\text{tr}} \geq 2$, no BBC
- unfolded MC + effi. + BBC + $\xi_{\text{true}}, -t$
- true MC, $n_{\text{tr}} \geq 2$, no BBC, $\xi_{\text{true}}, -t$
- true MC, $n_{\text{tr}}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

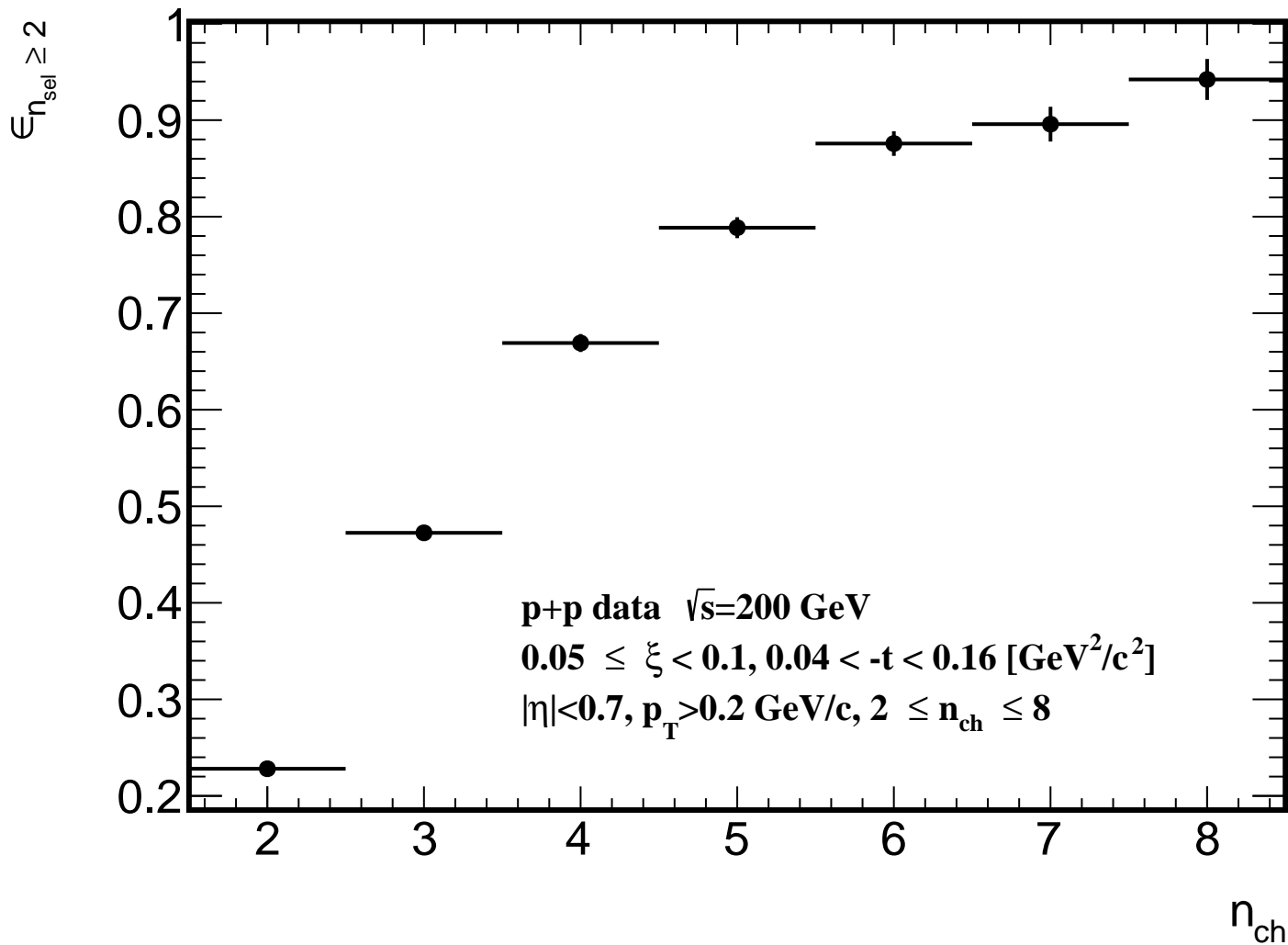
unf/true

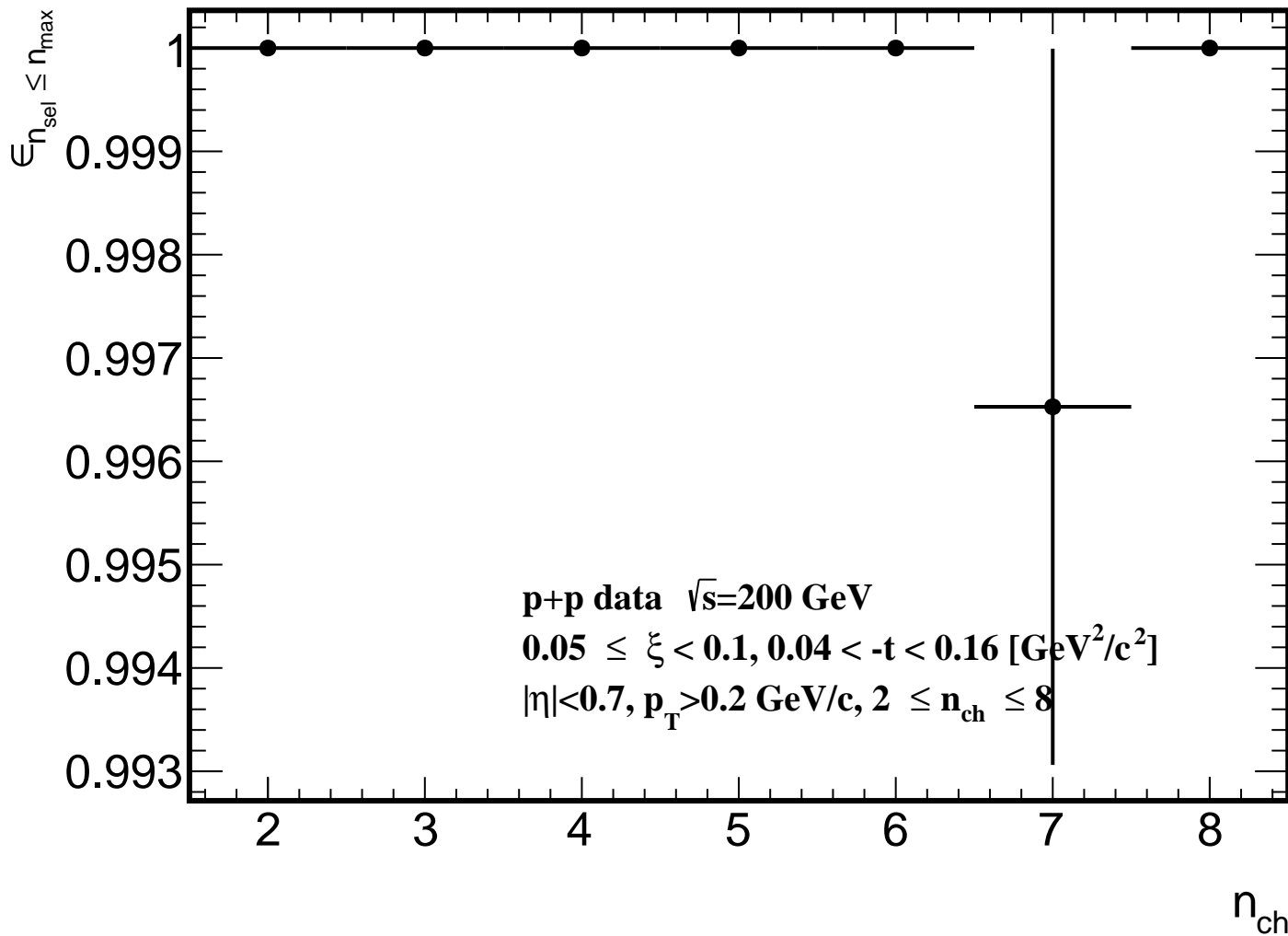


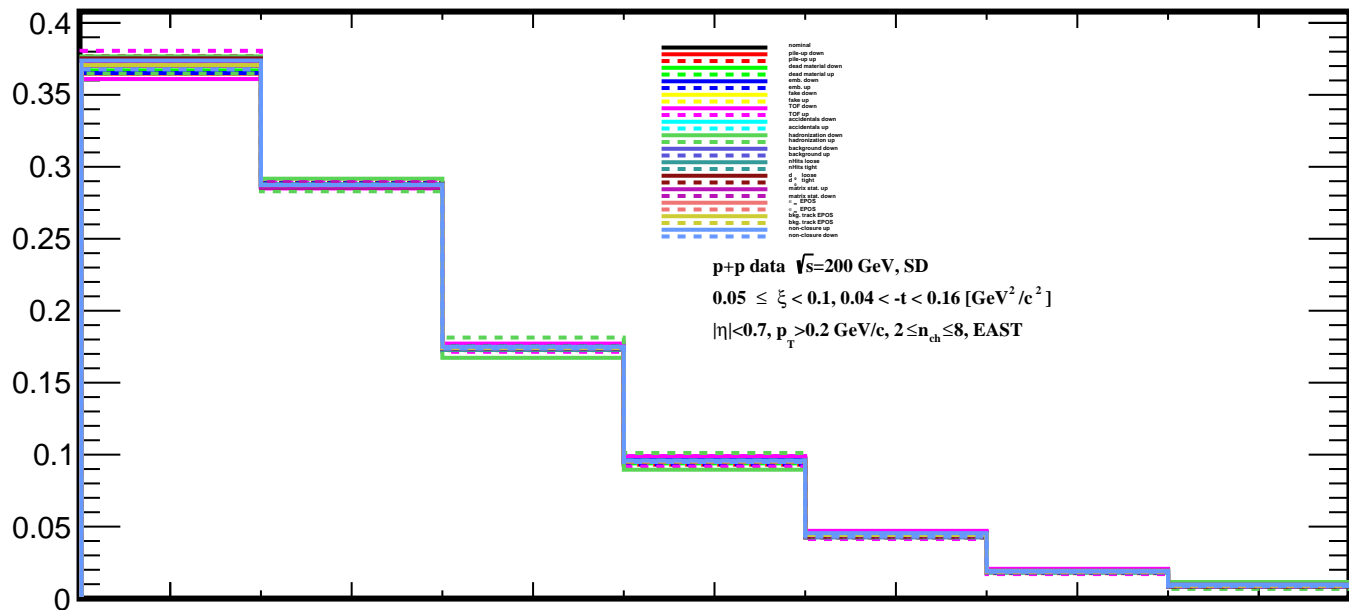




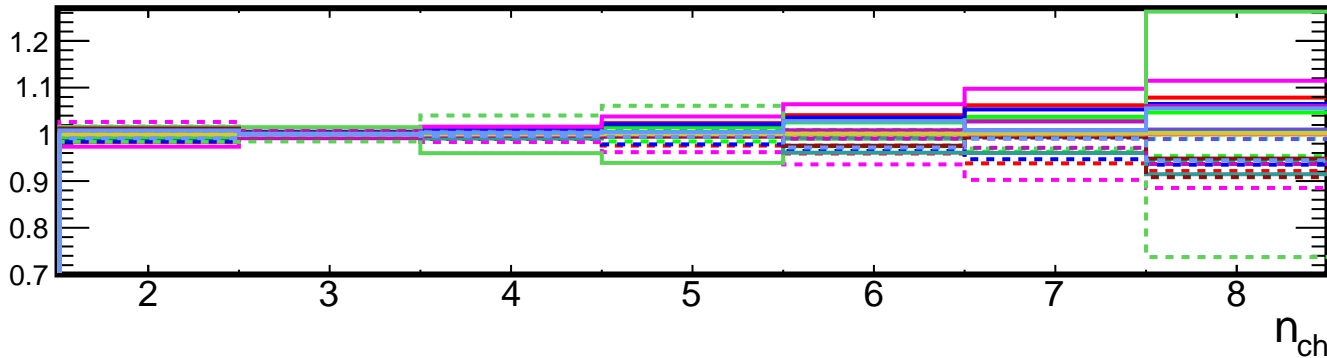


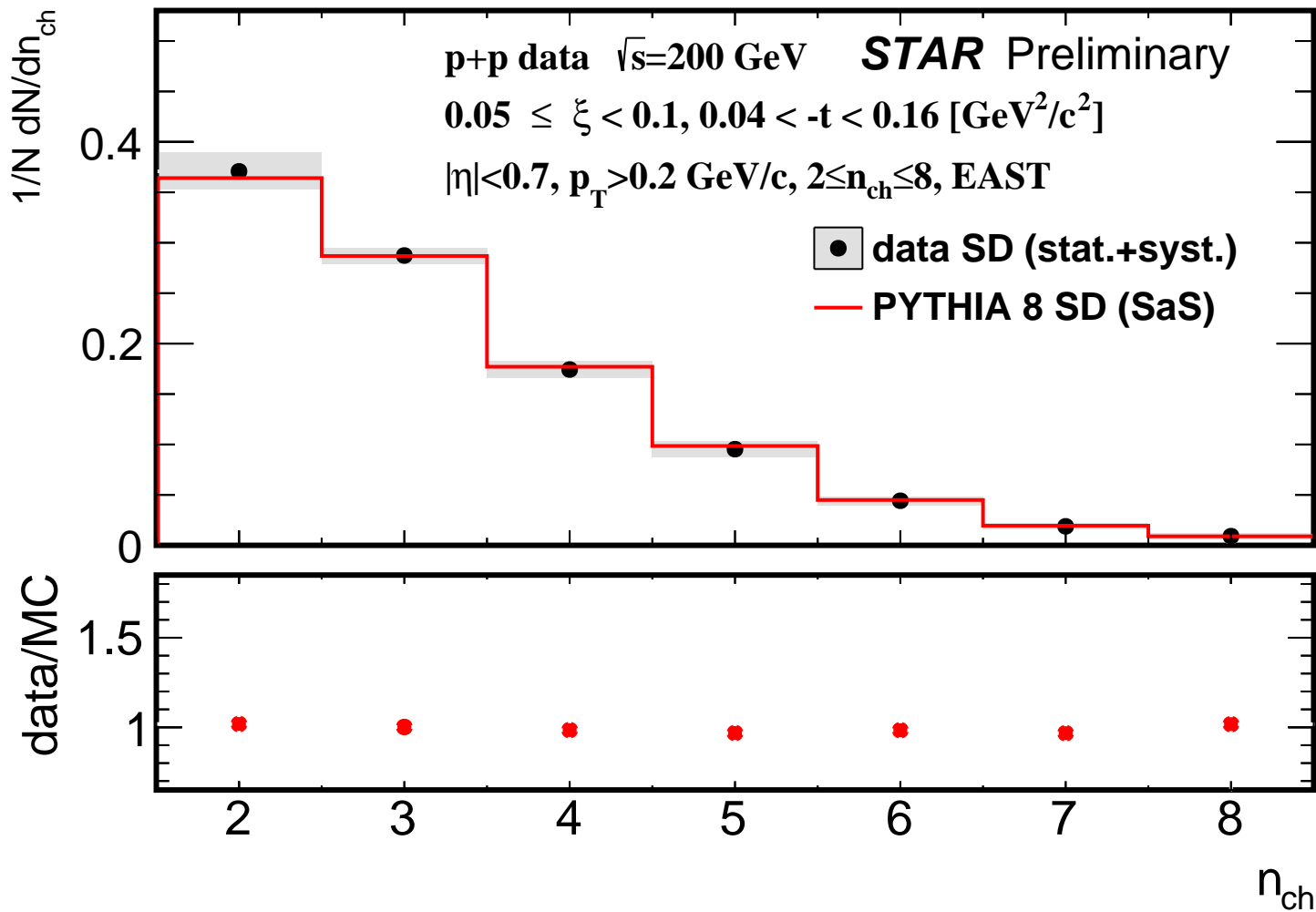


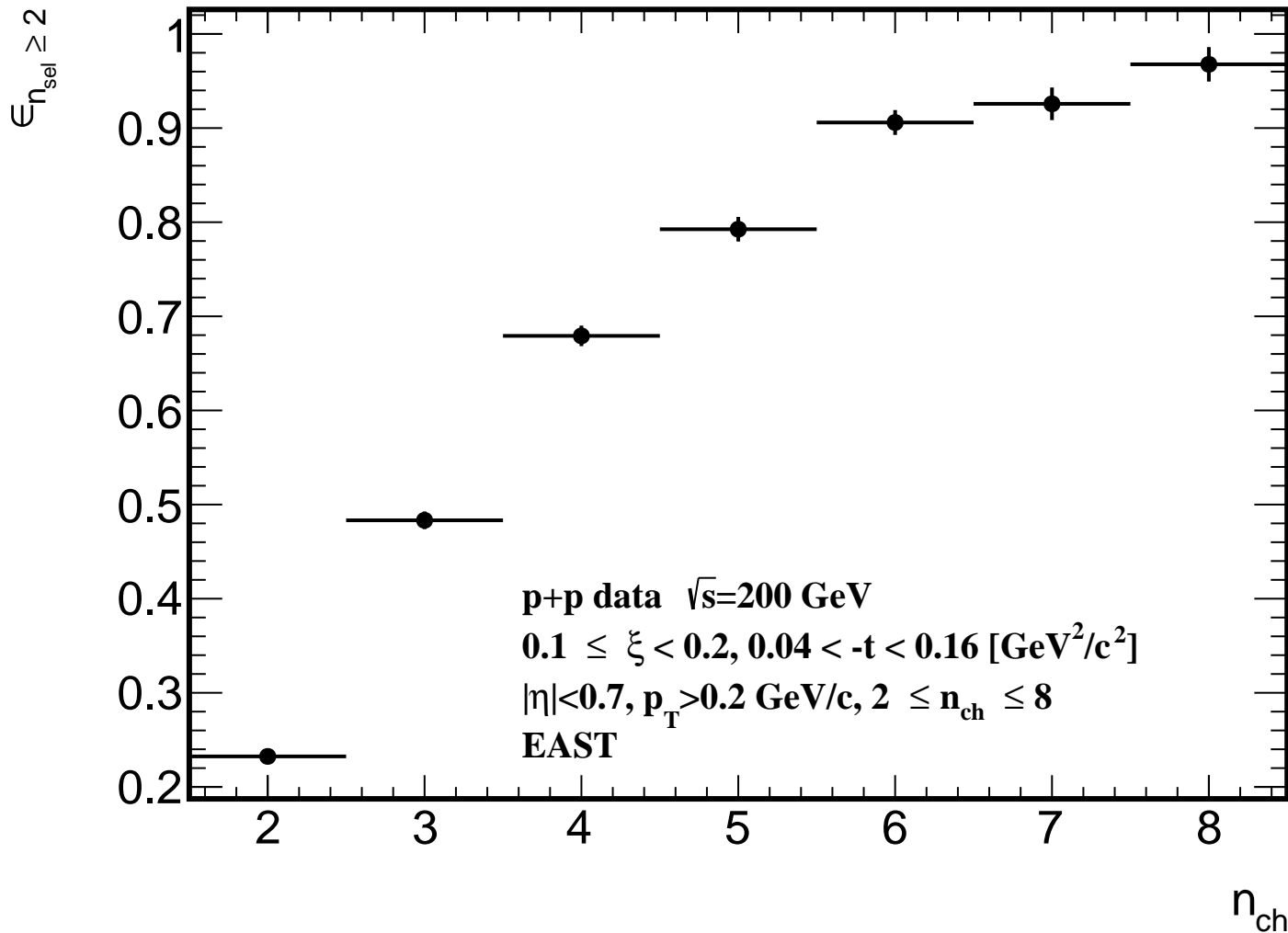


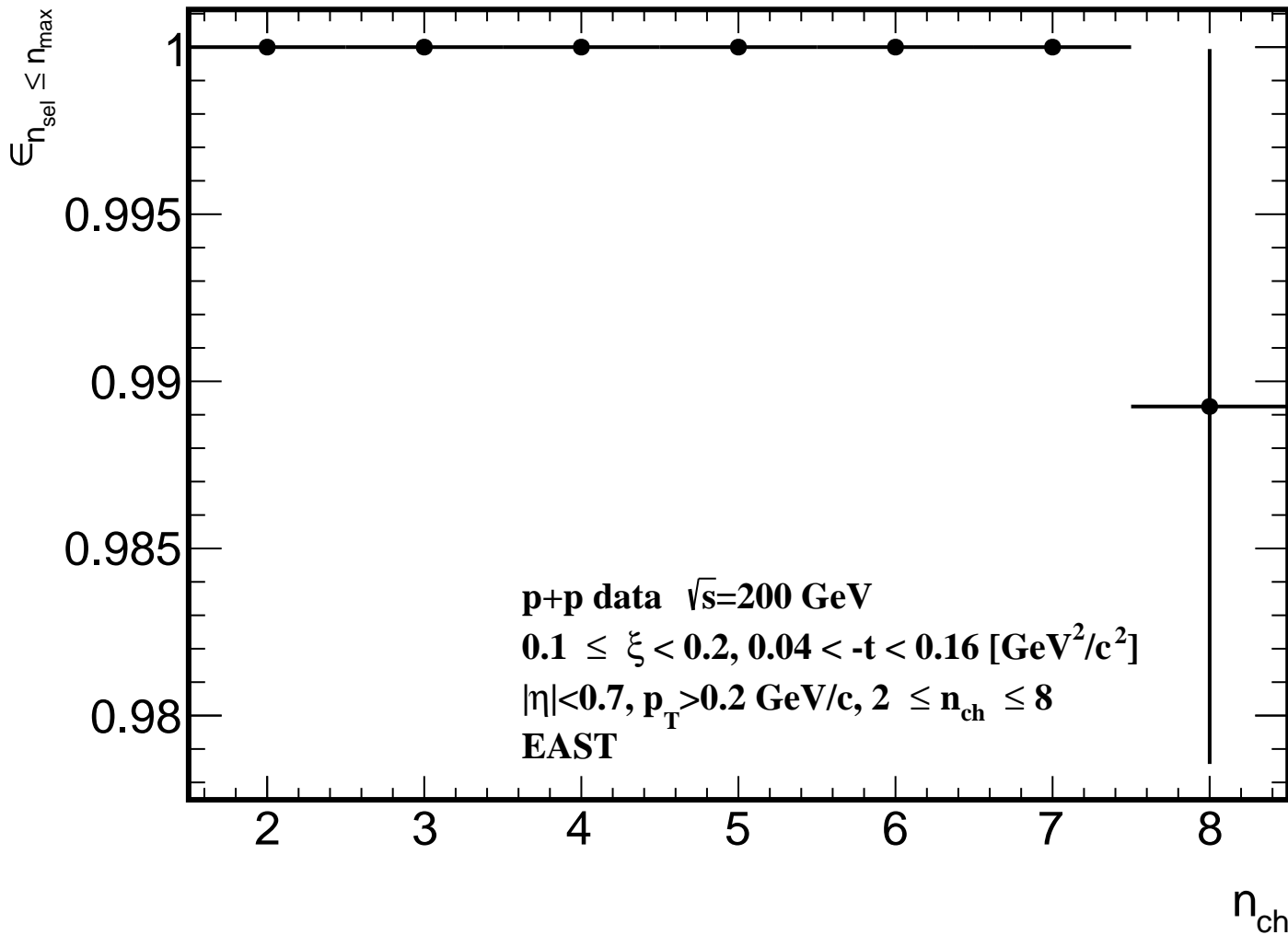
$1/N \, dN/dn_{\text{ch}}$ 

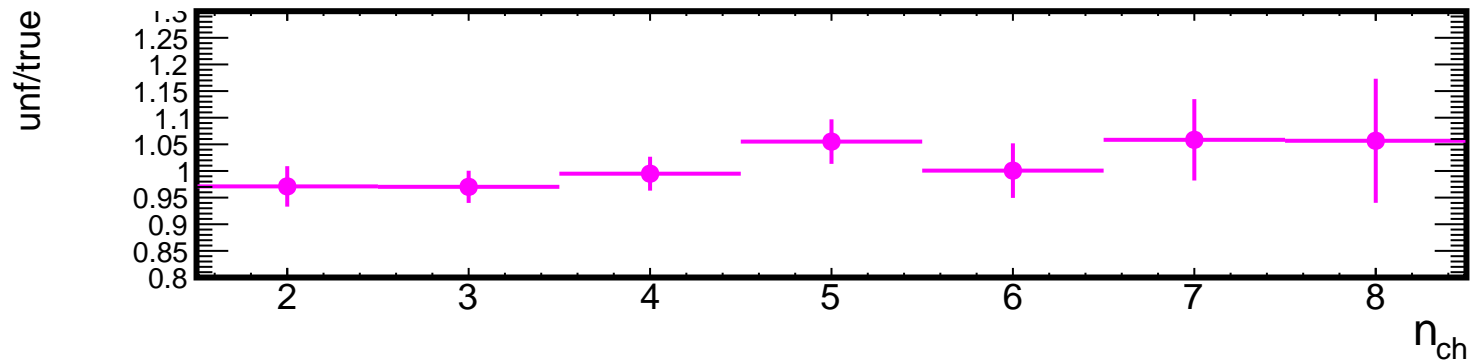
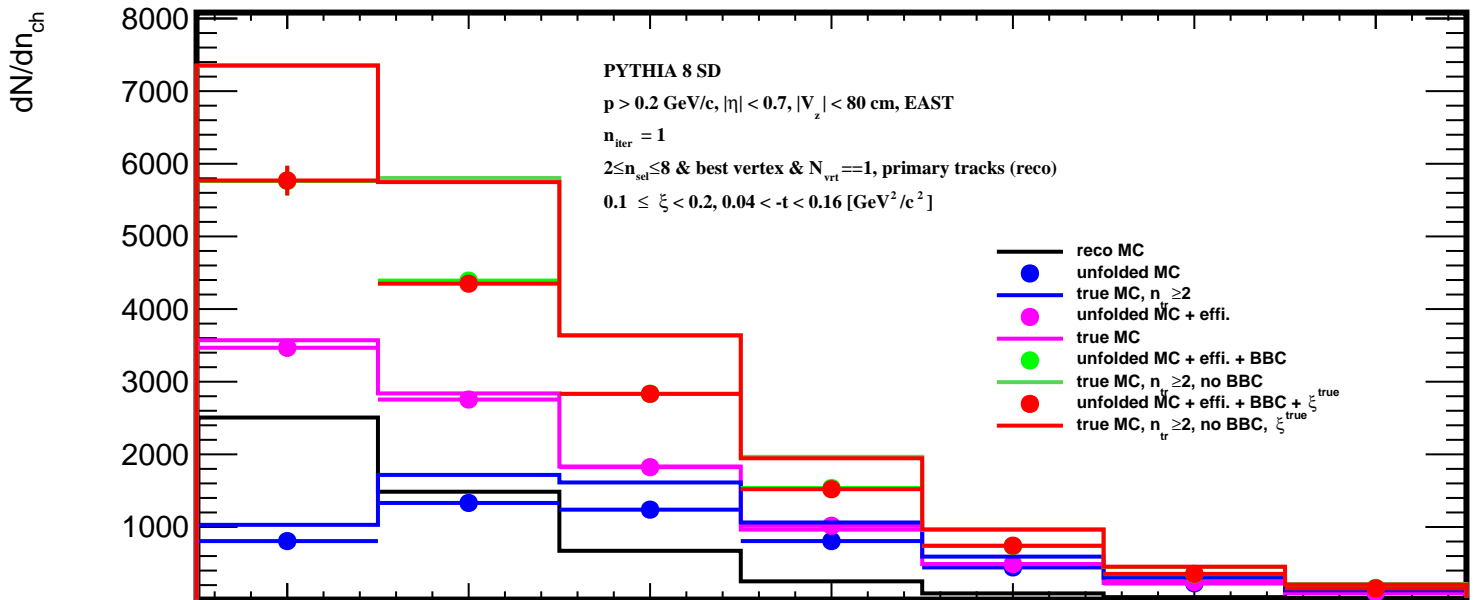
ratio

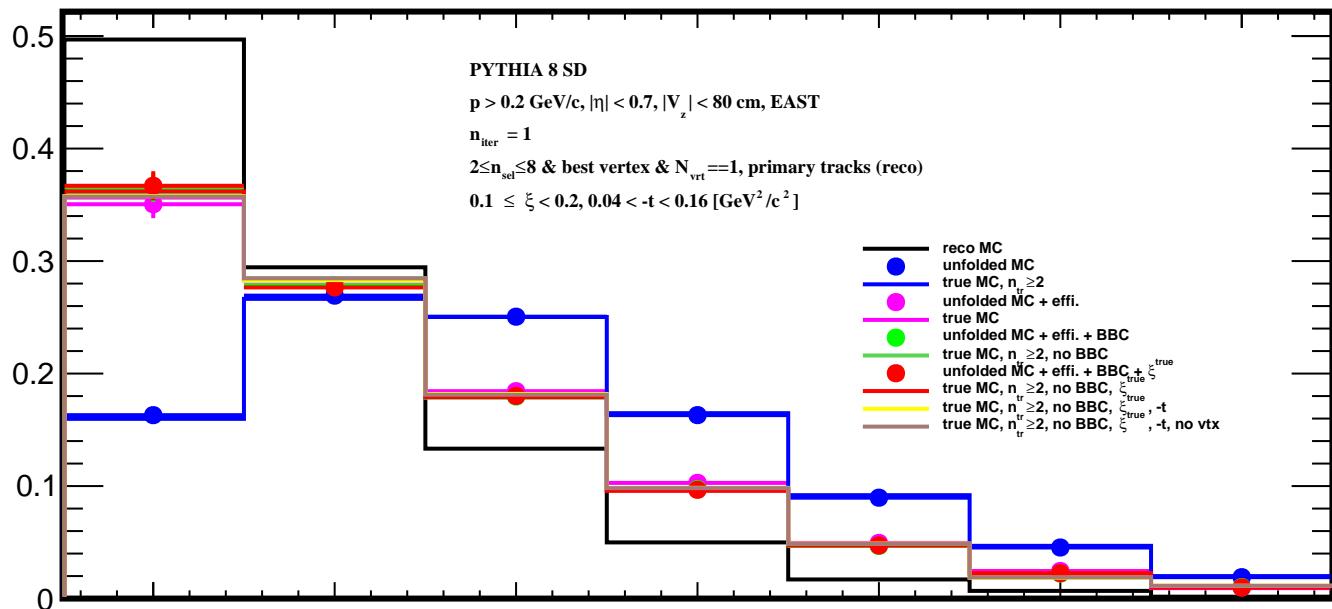
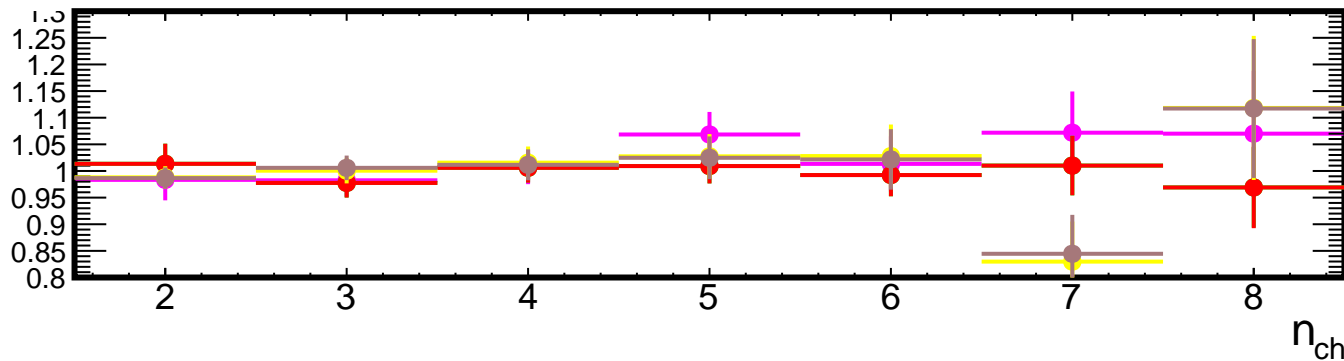


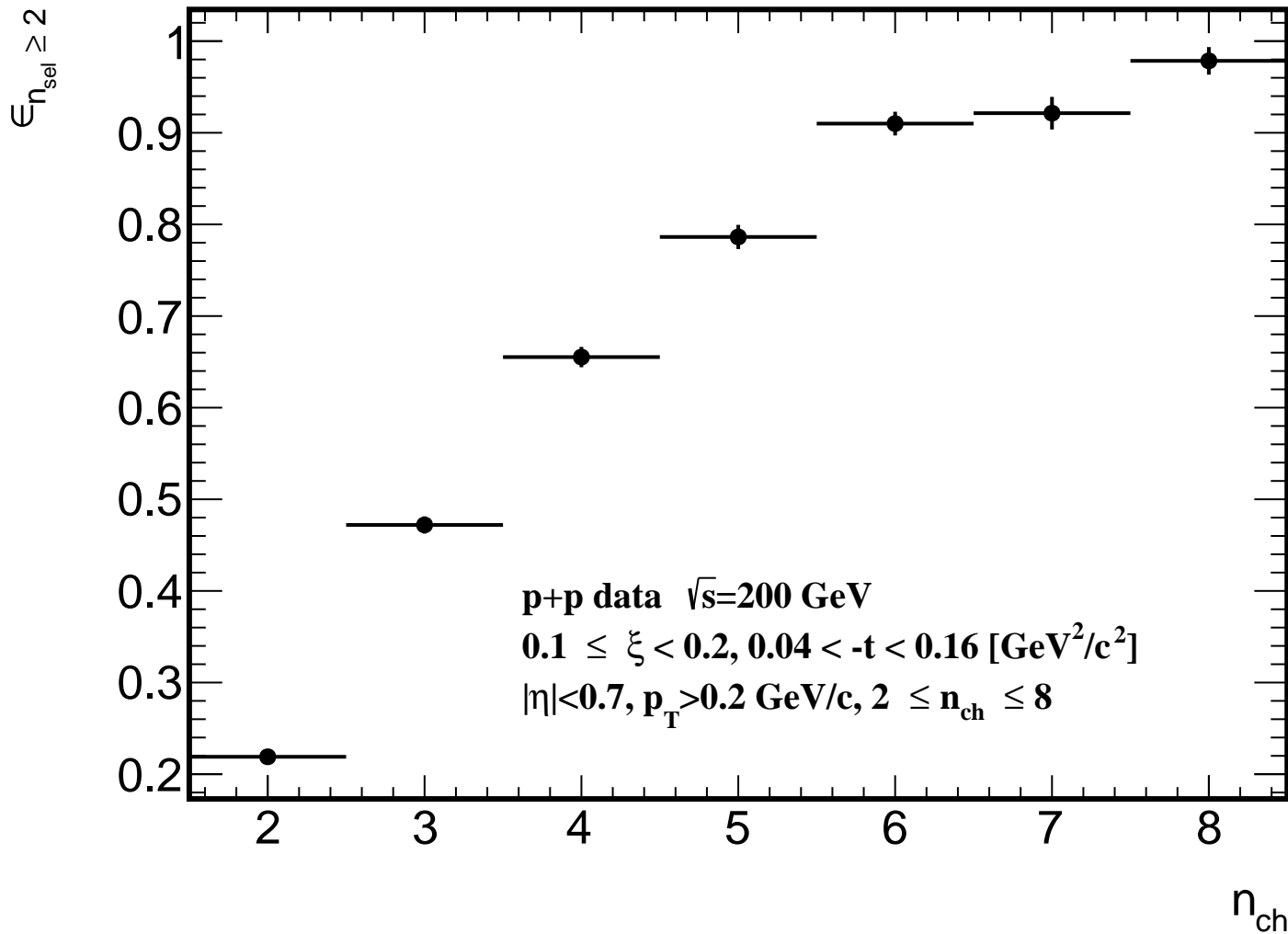


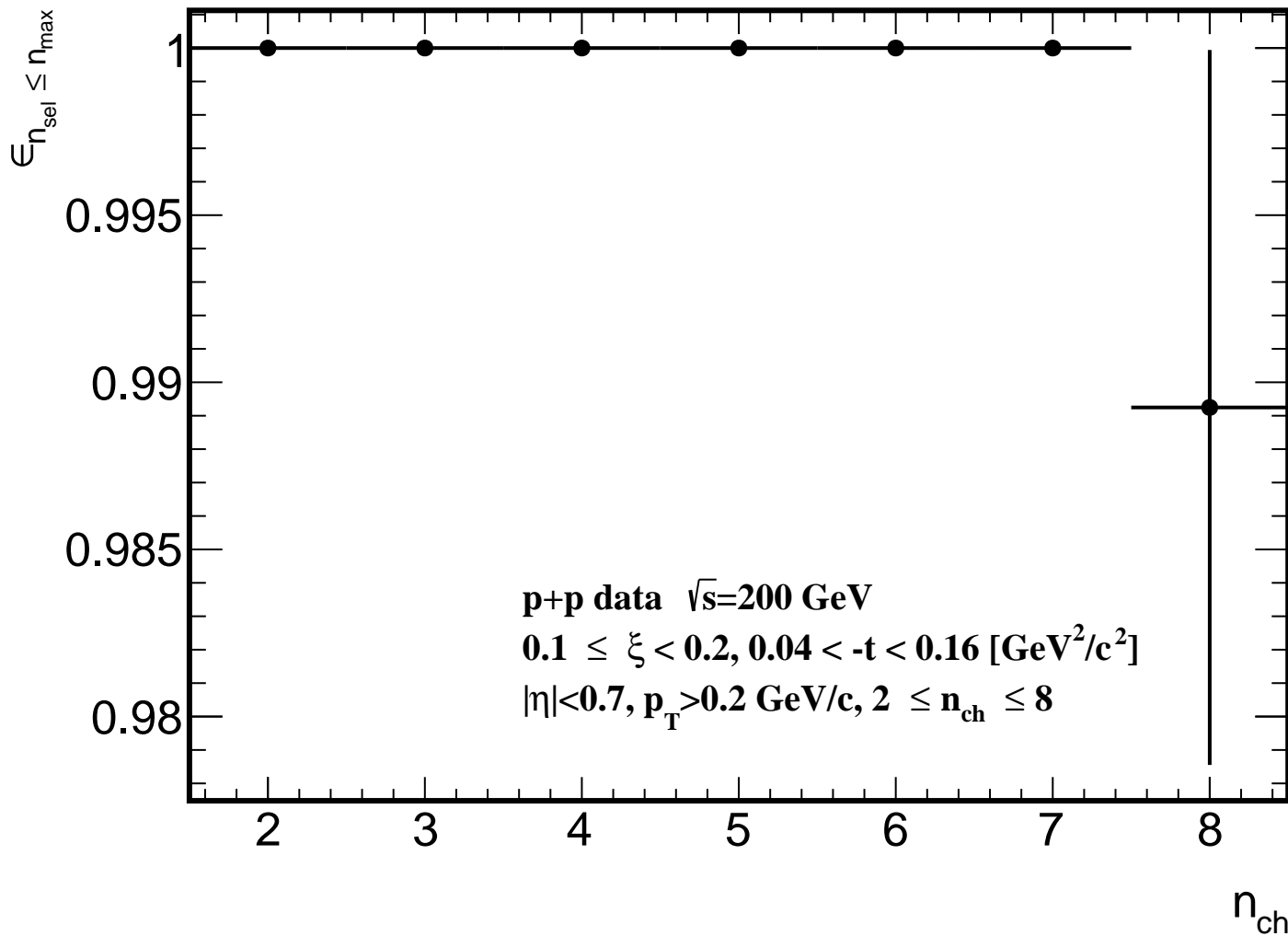


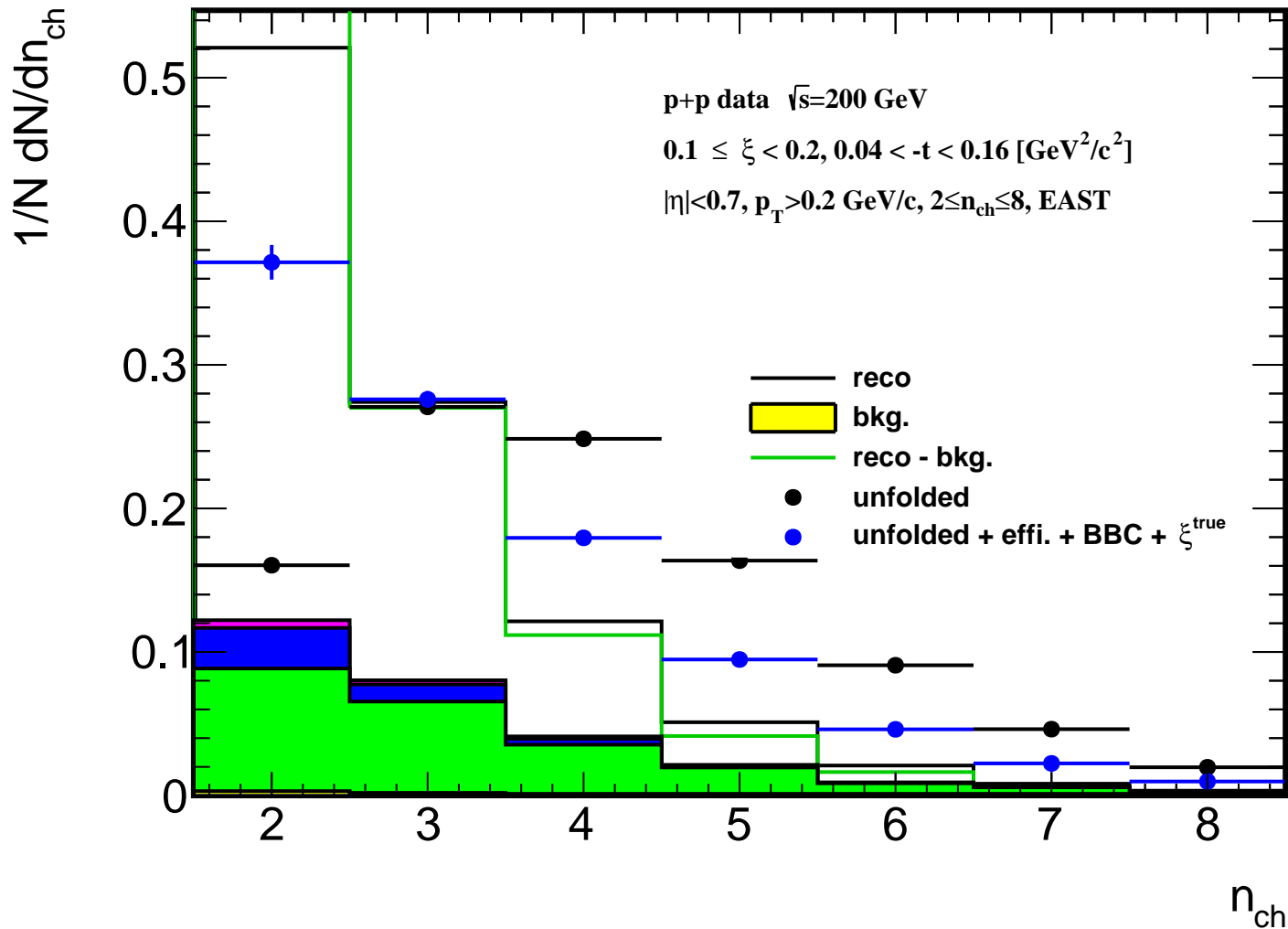


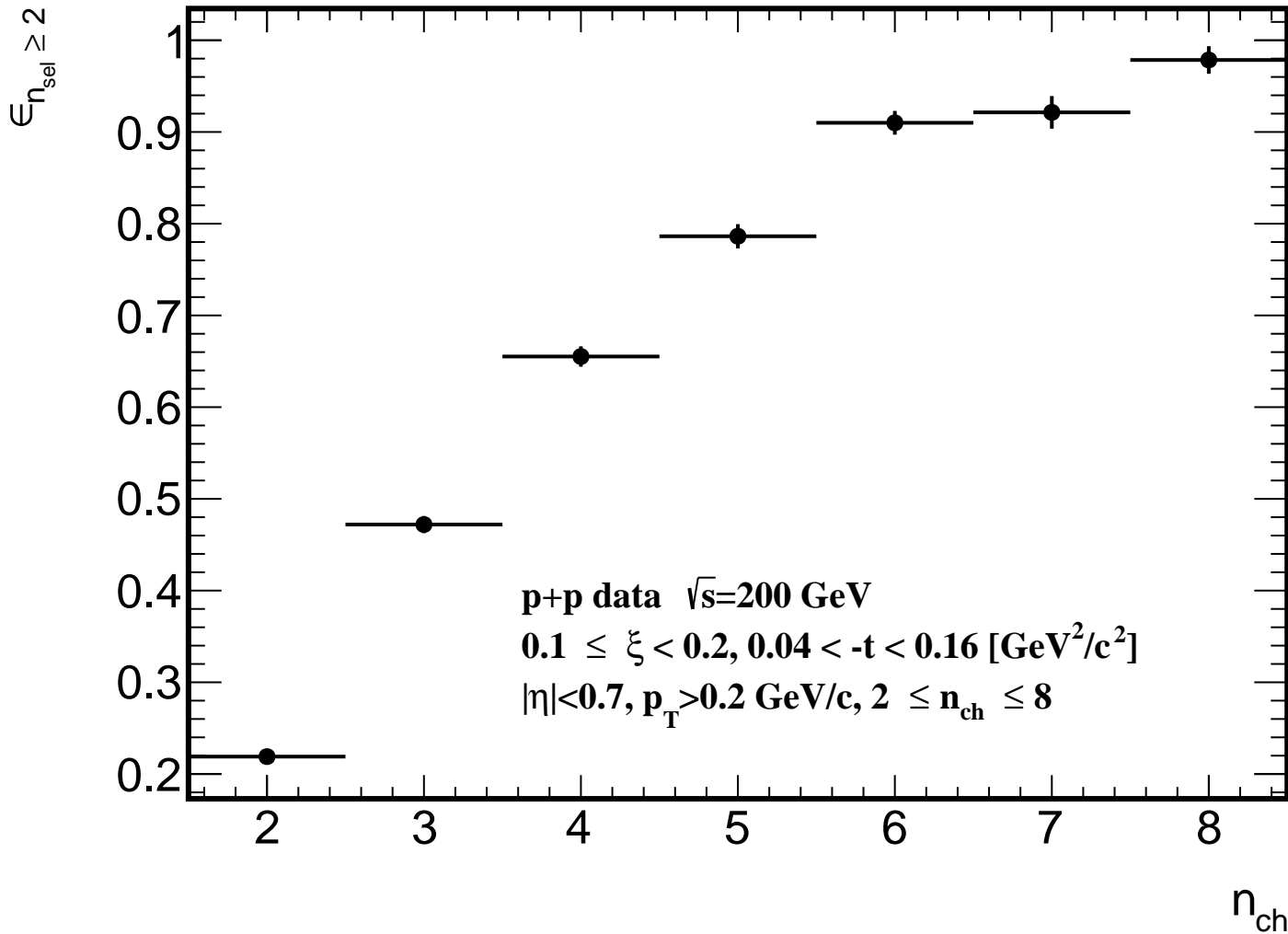


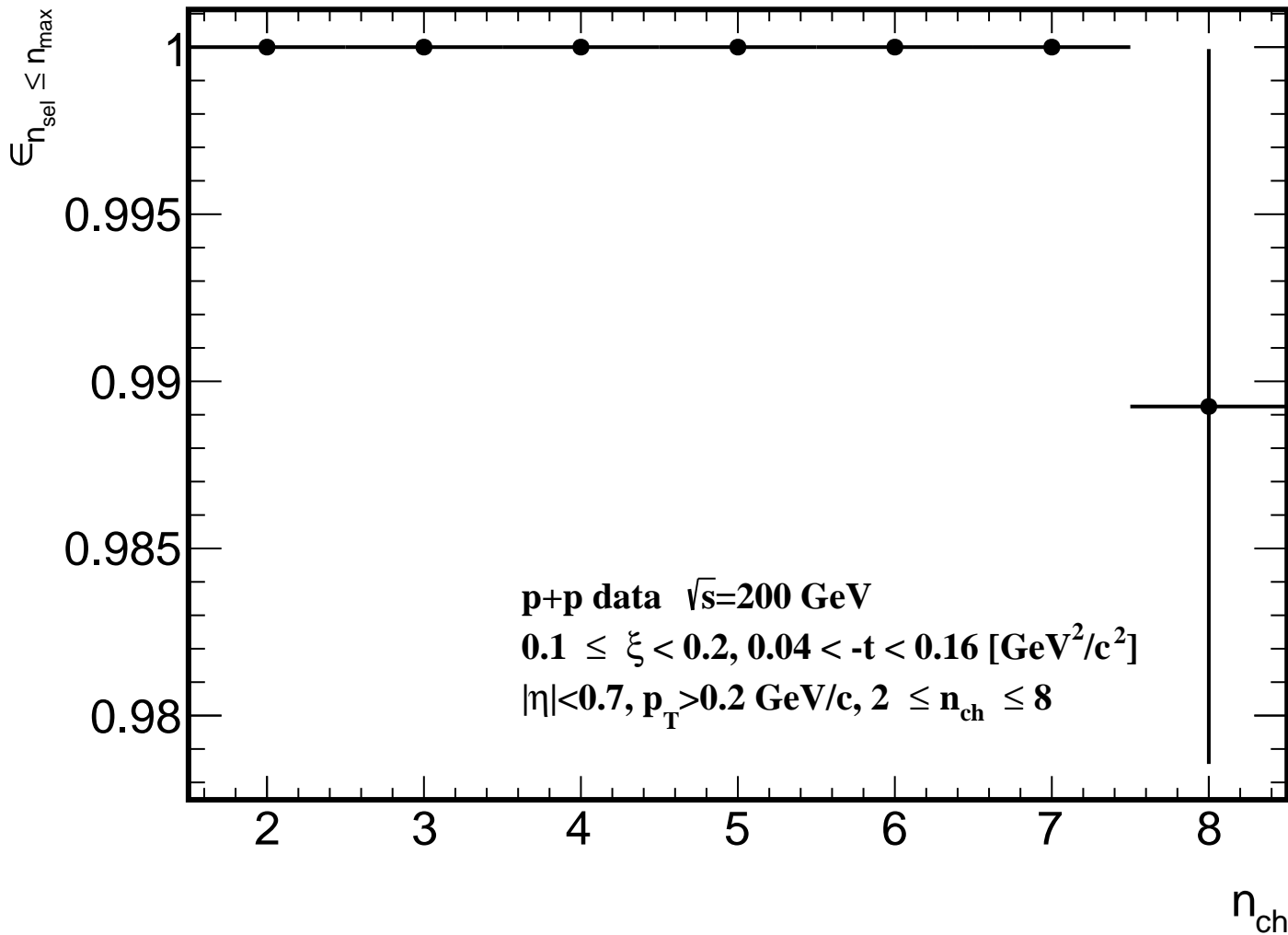
$1/N \, dN/dn_{\text{ch}}$  unf/true 

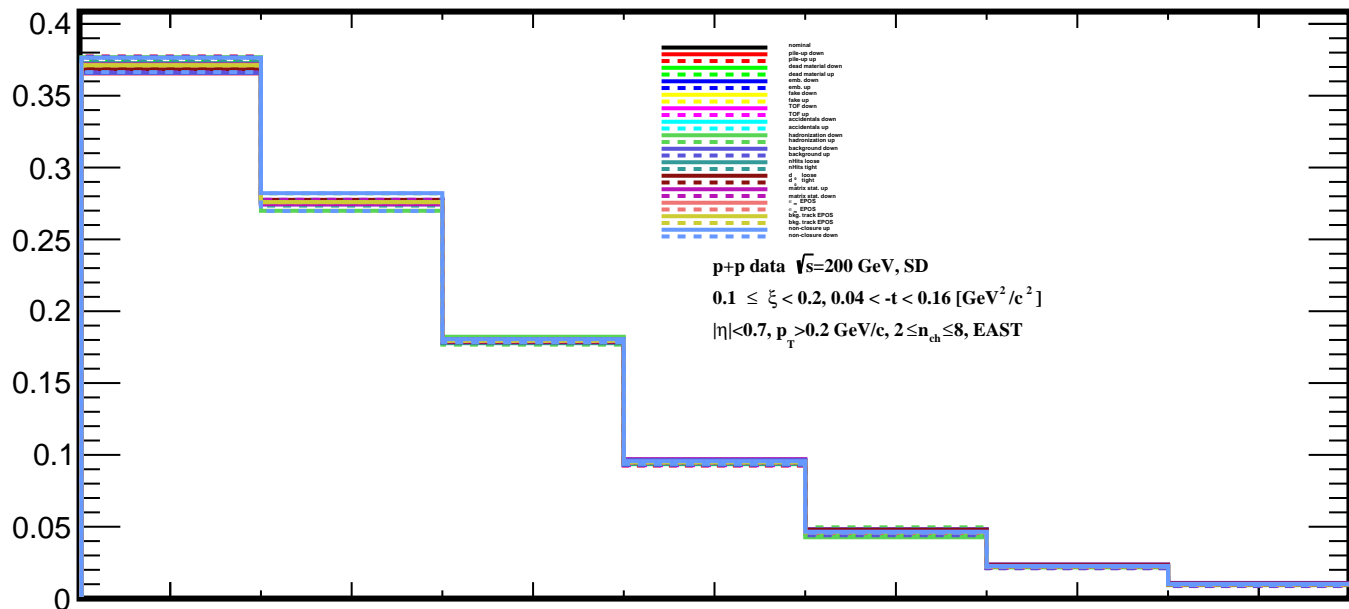




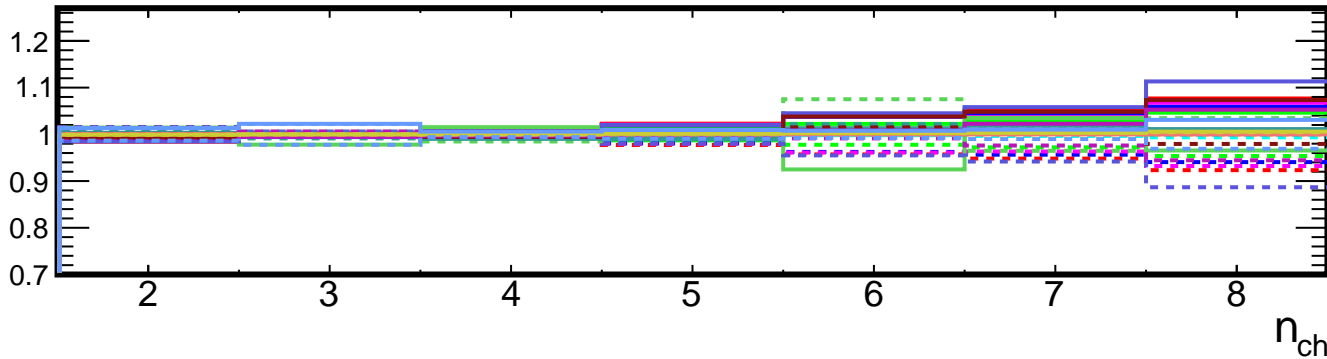


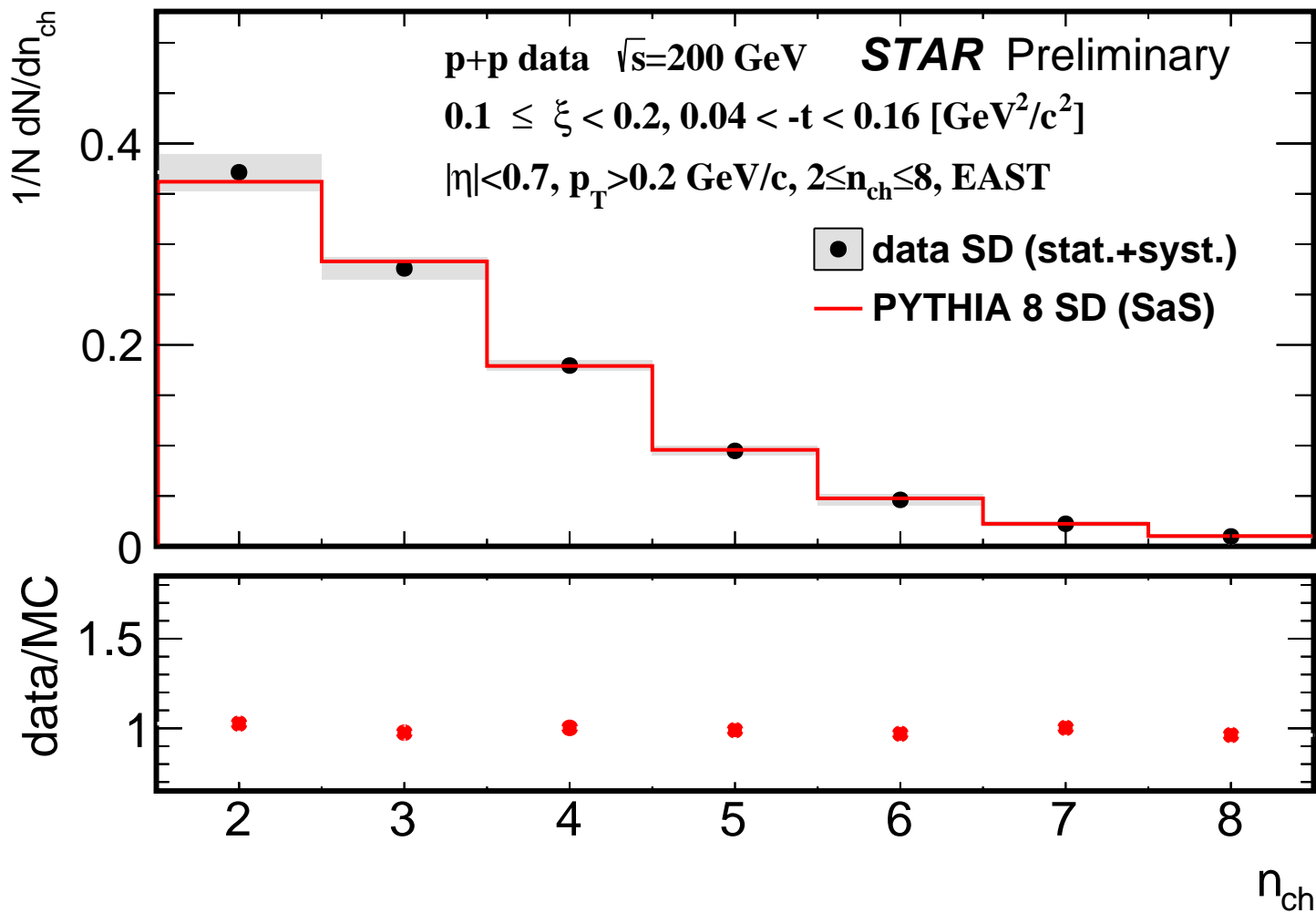


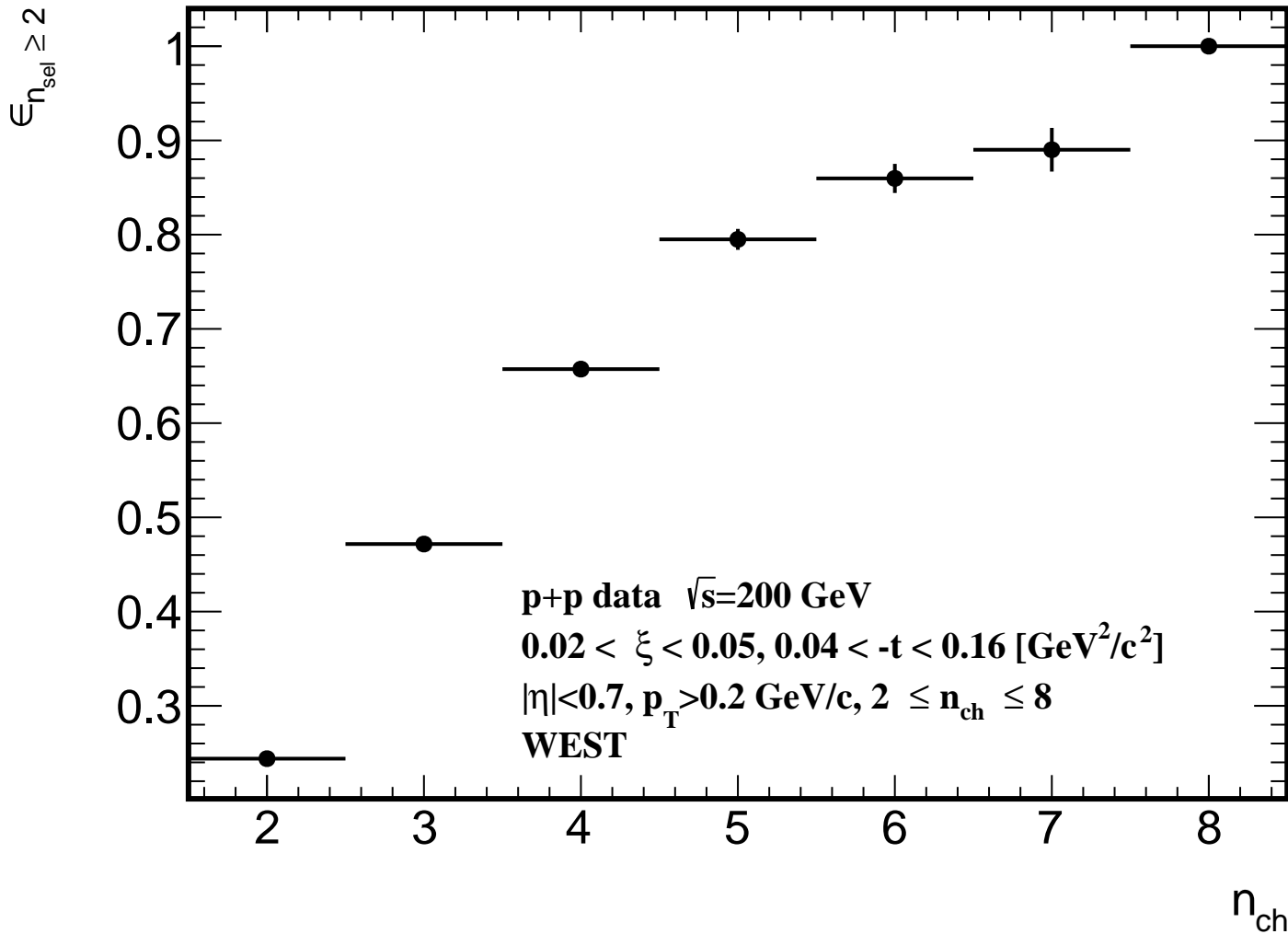


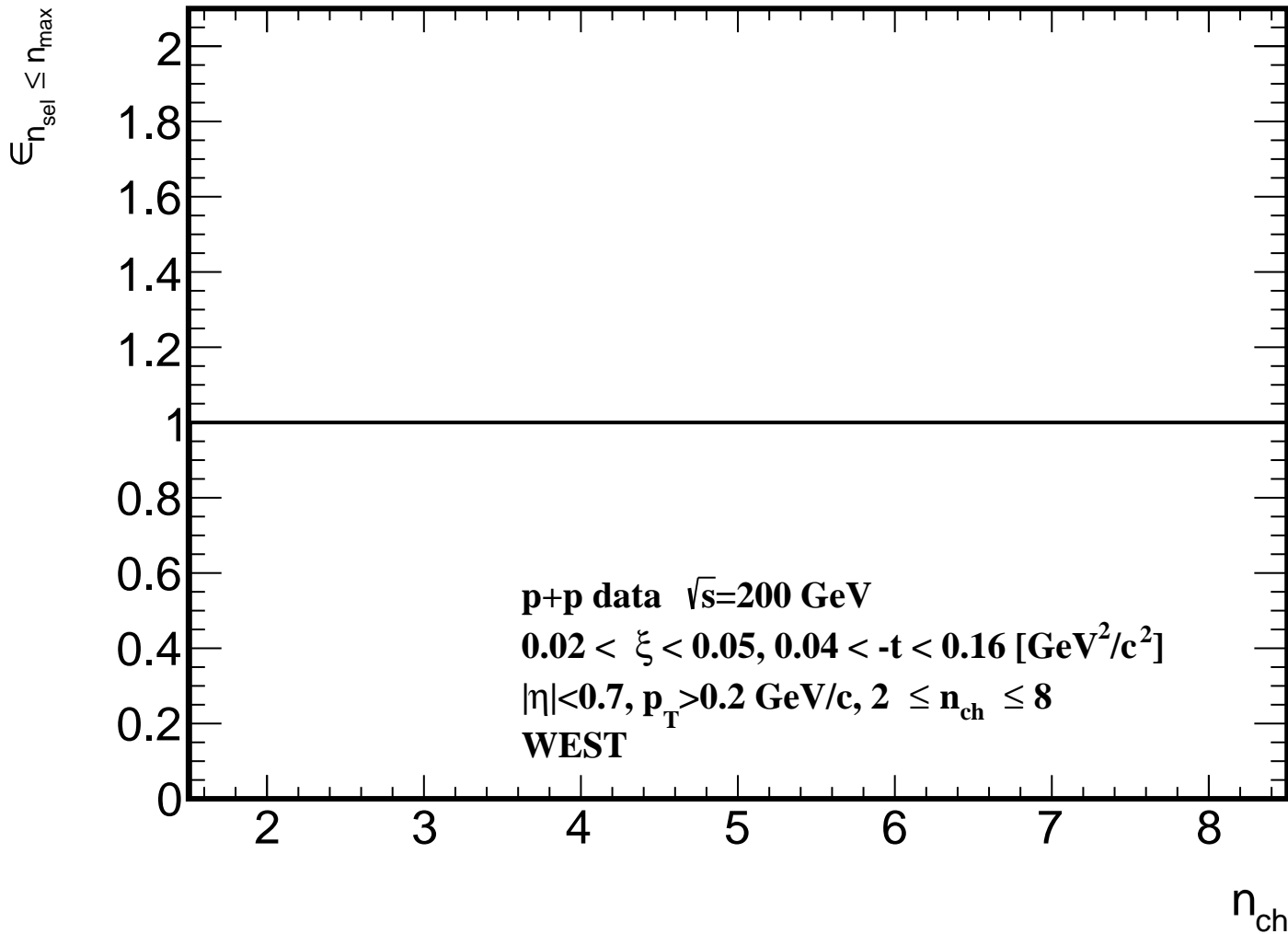
$1/N \, dN/dn_{\text{ch}}$ 

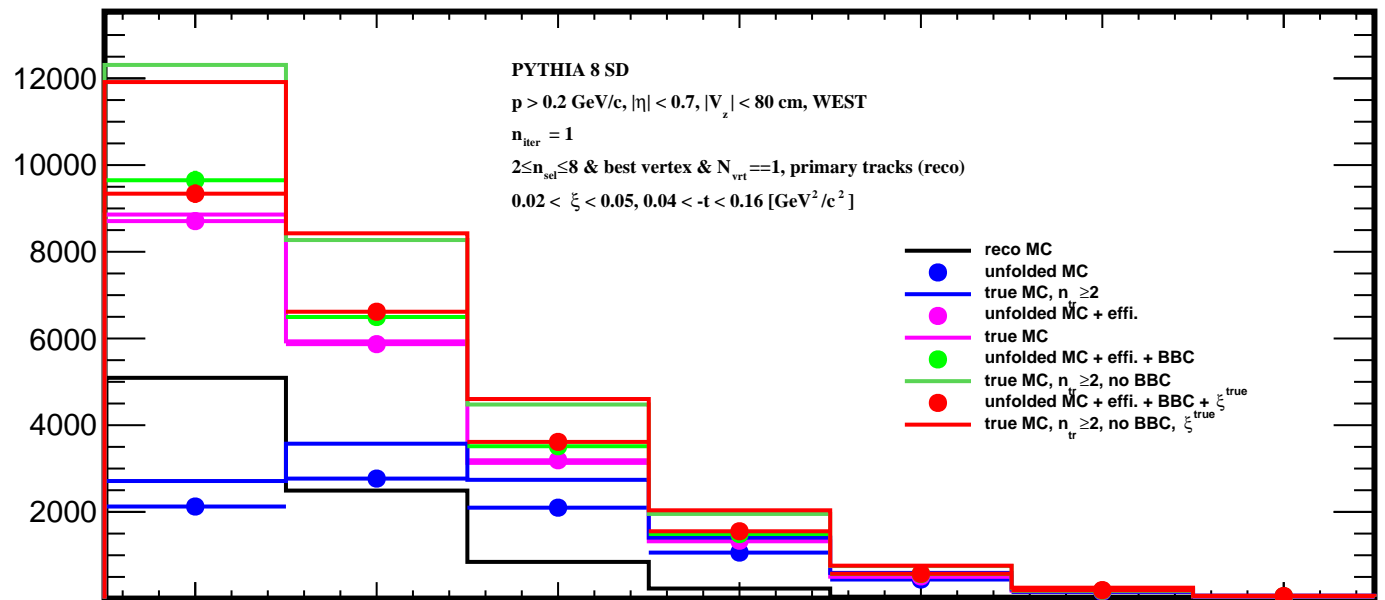
ratio



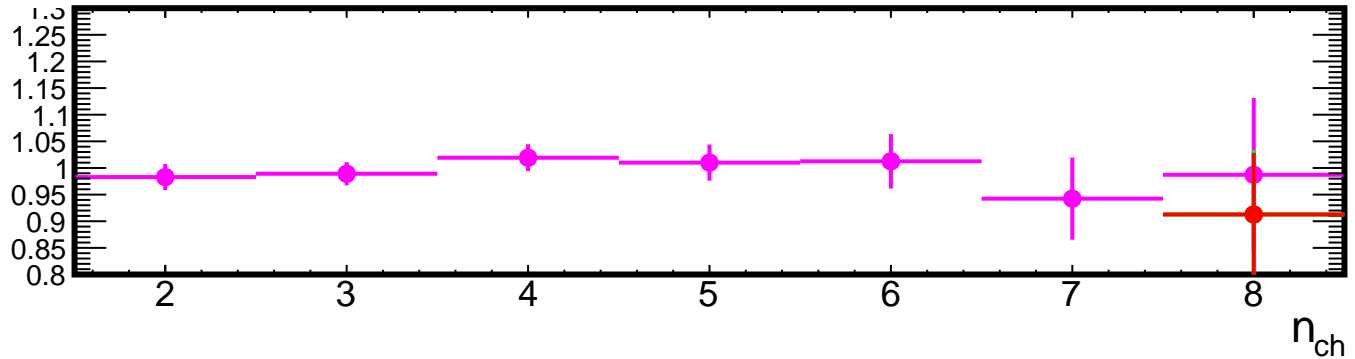






dN/dn_{ch} 

unf/true



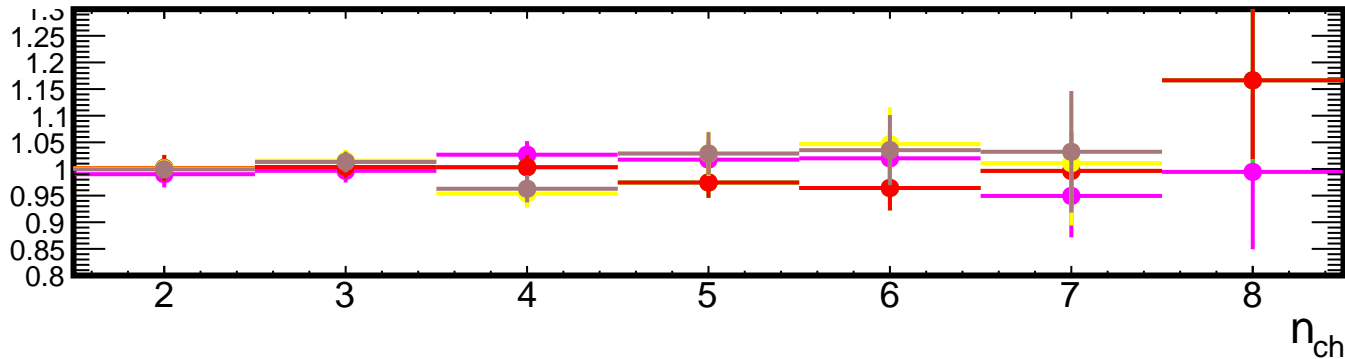
$1/N \, dN/dn_{\text{ch}}$

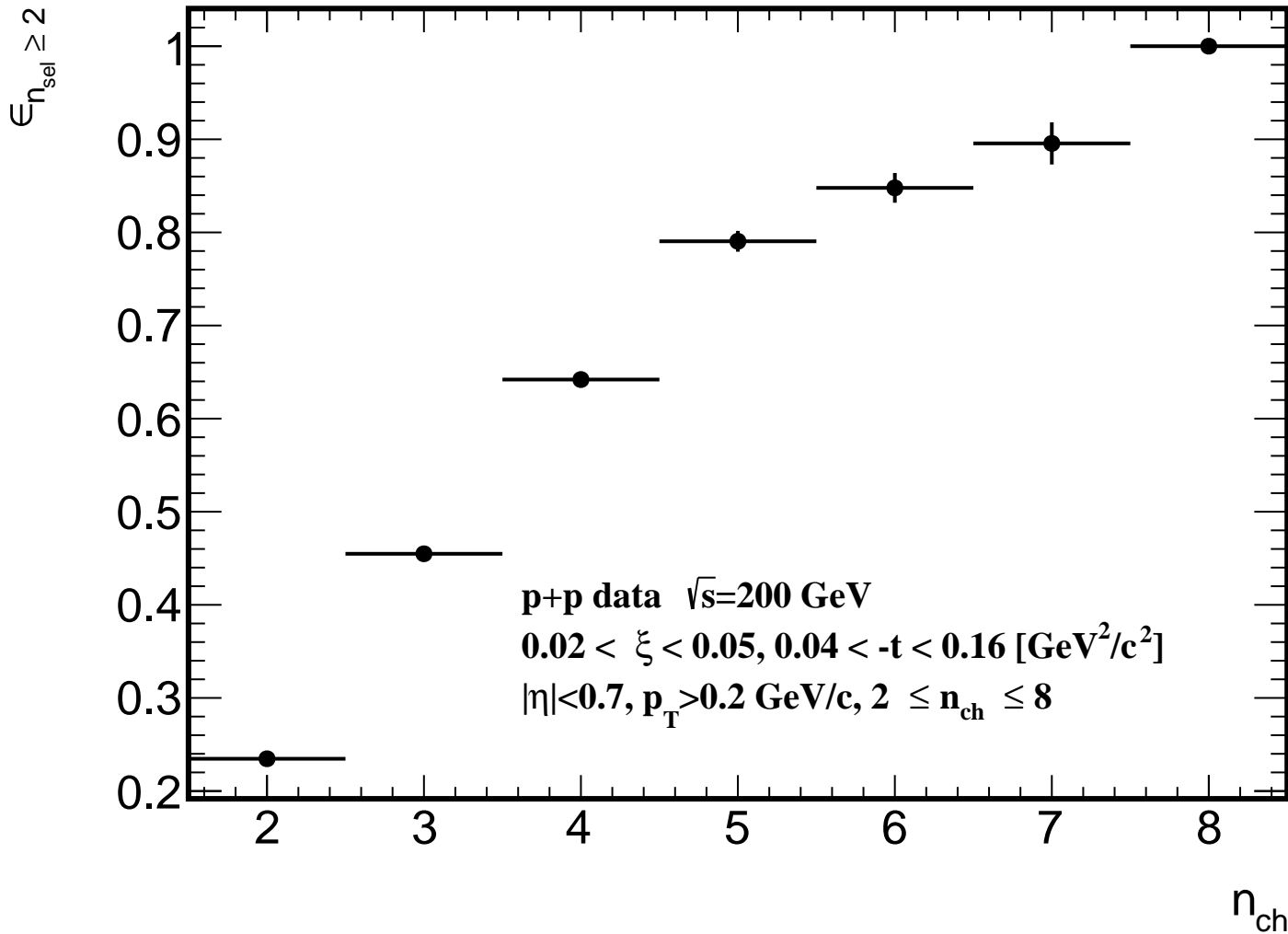
PYTHIA 8 SD

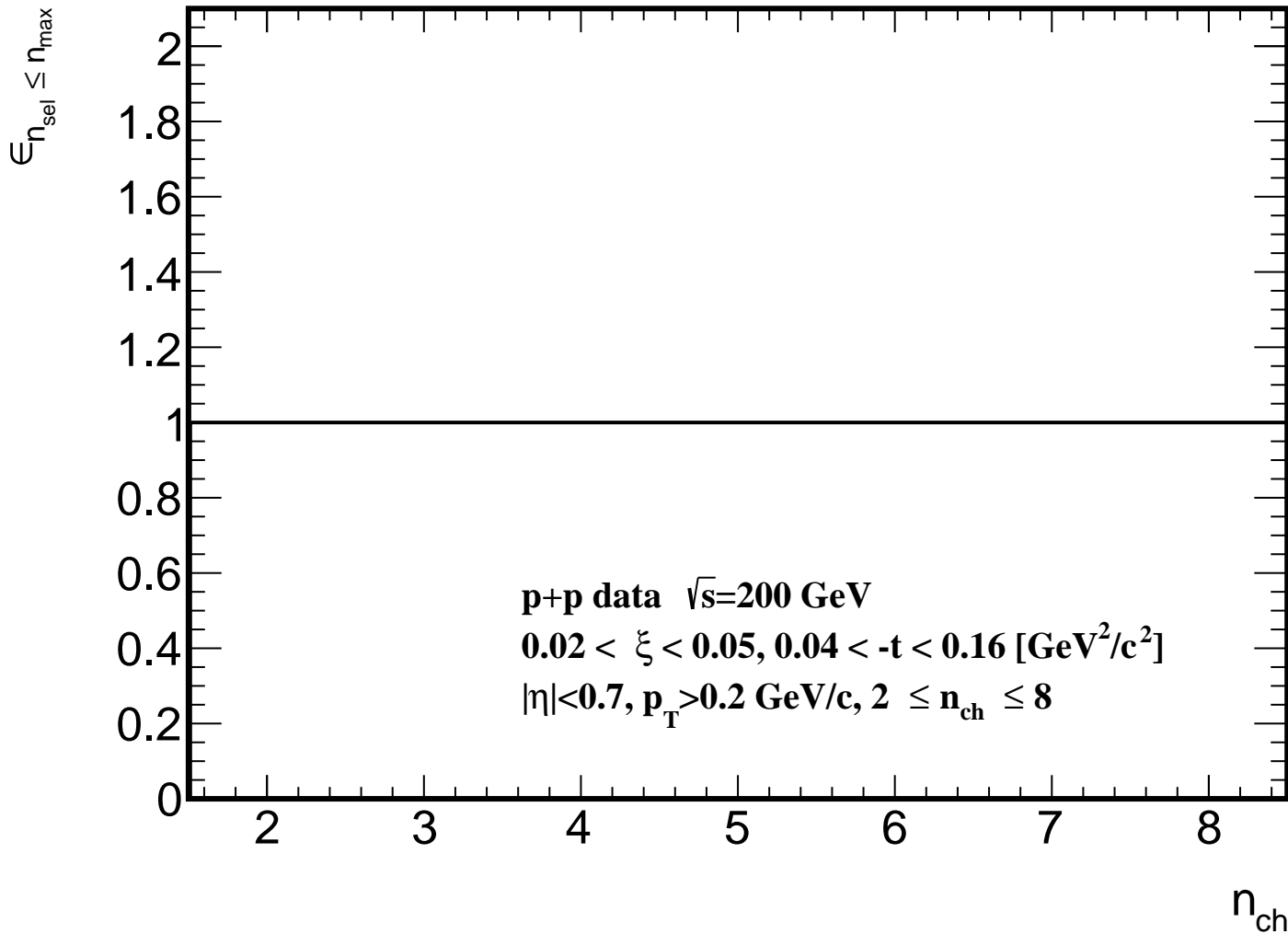
 $p > 0.2 \text{ GeV}/c, |\eta| < 0.7, |V_z| < 80 \text{ cm, WEST}$ $n_{\text{iter}} = 1$ $2 \leq n_{\text{sel}} \leq 8 \text{ \& best vertex \& } N_{\text{vtx}} = 1, \text{ primary tracks (reco)}$ $0.02 < \xi < 0.05, 0.04 < -t < 0.16 \text{ [GeV}^2/c^2 \text{]}$

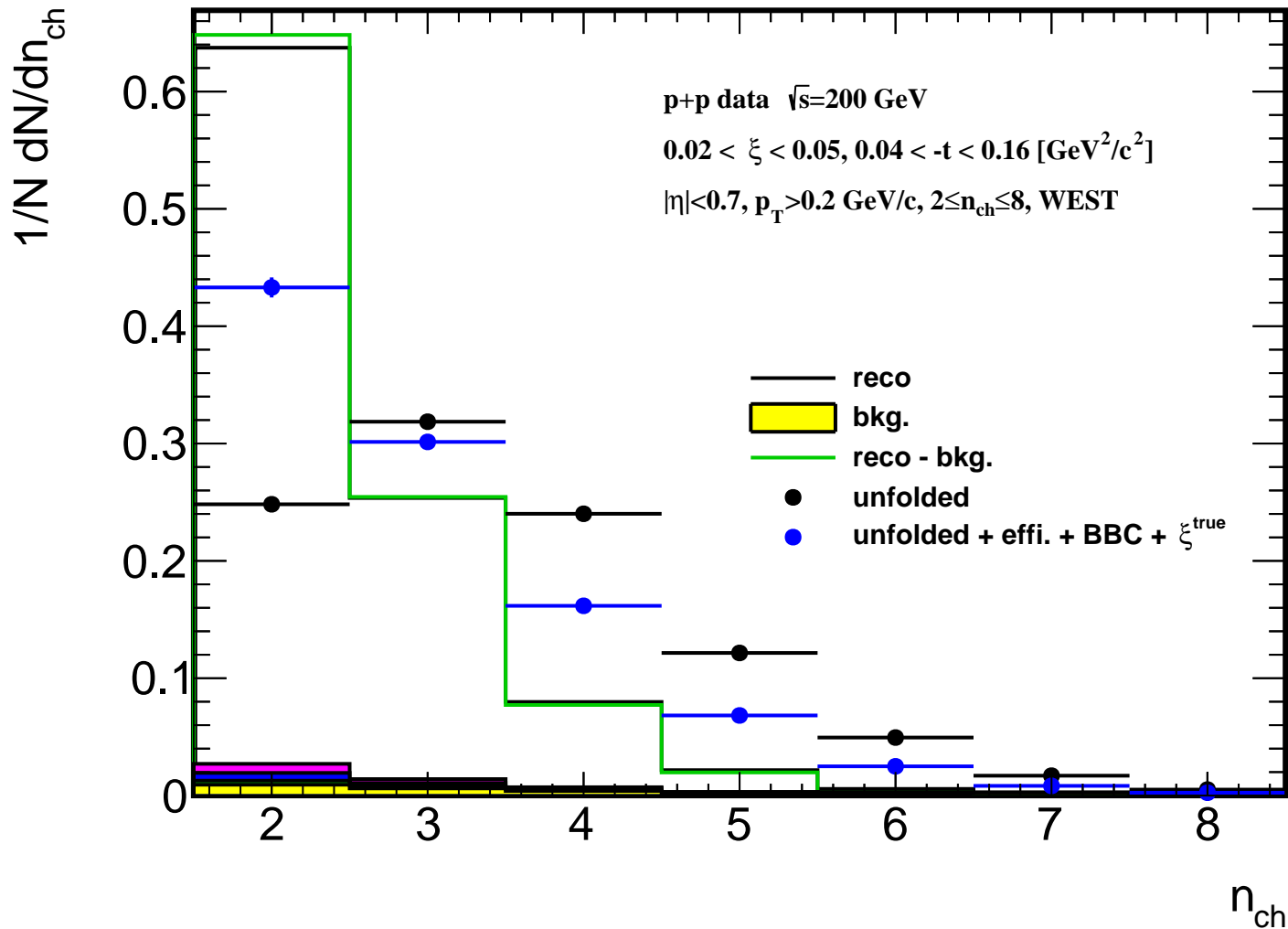
- reco MC
- unfolded MC
- true MC, $n_{\text{tr}} \geq 2$
- unfolded MC + effi.
- true MC
- unfolded MC + effi. + BBC
- true MC, $n_{\text{tr}} \geq 2$, no BBC
- unfolded MC + effi. + BBC, $\xi_{\text{true}}^{\text{true}}$
- true MC, $n_{\text{tr}} \geq 2$, no BBC, $\xi_{\text{true}}^{\text{true}}$
-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

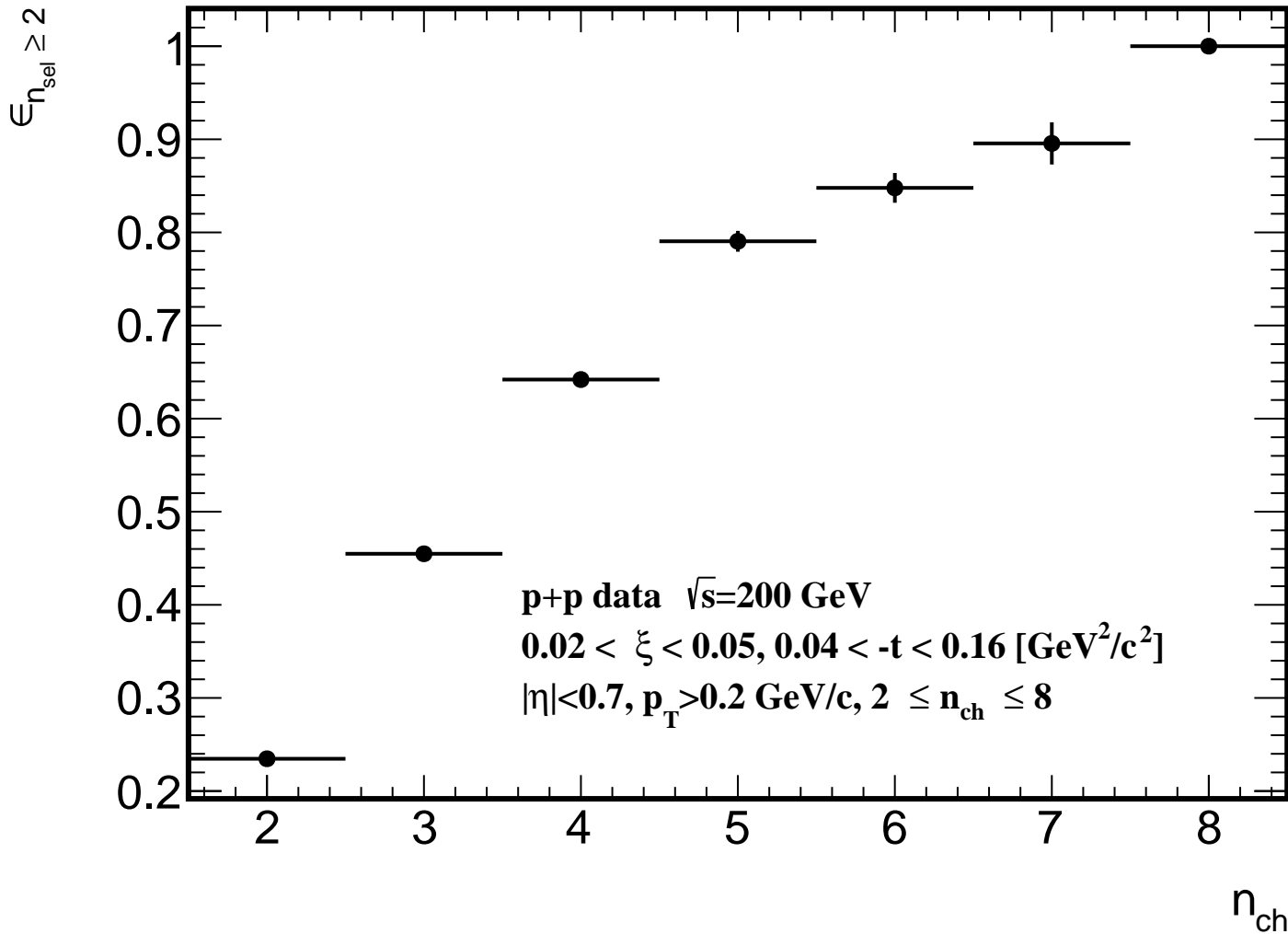
unf/true

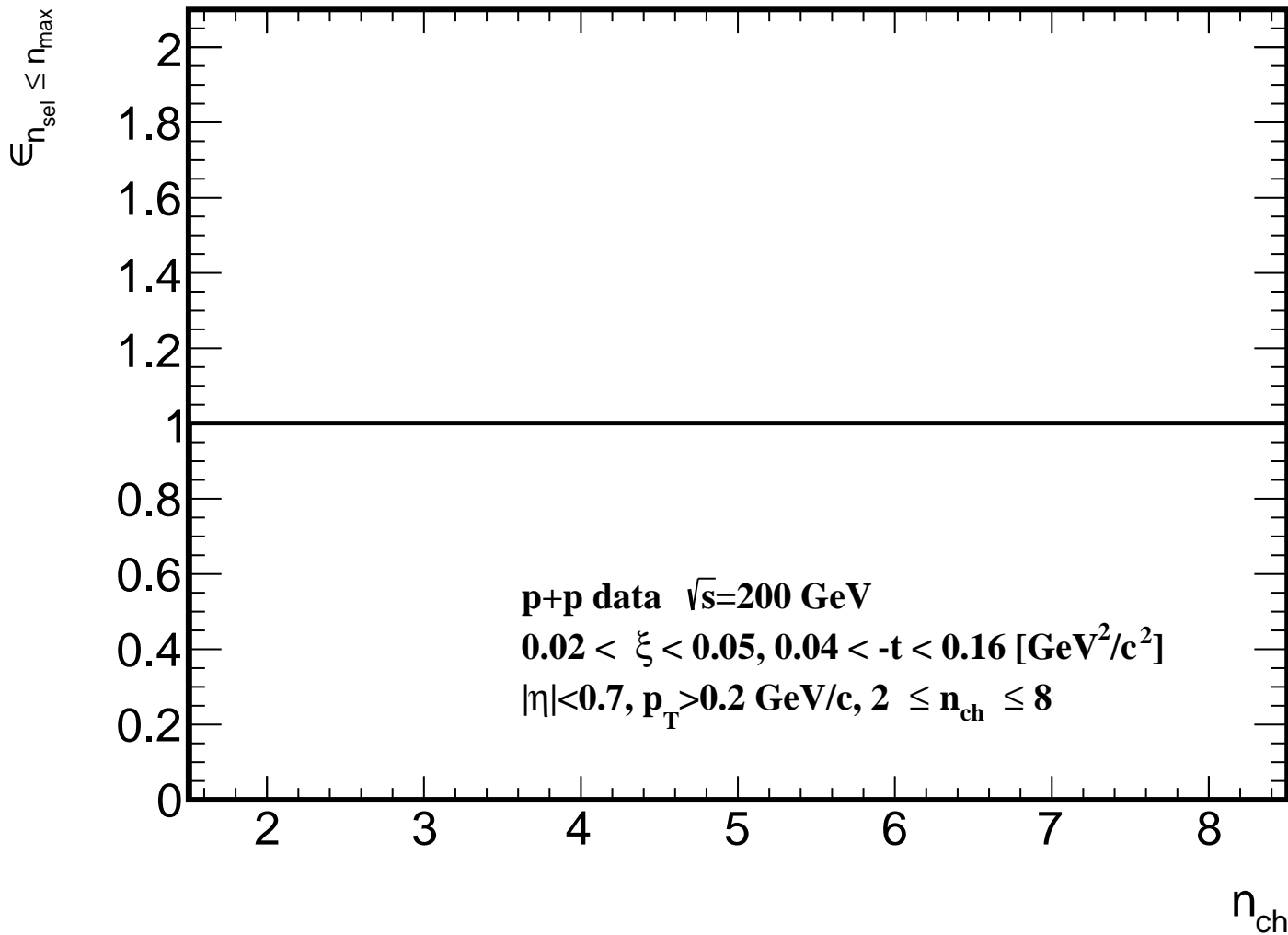


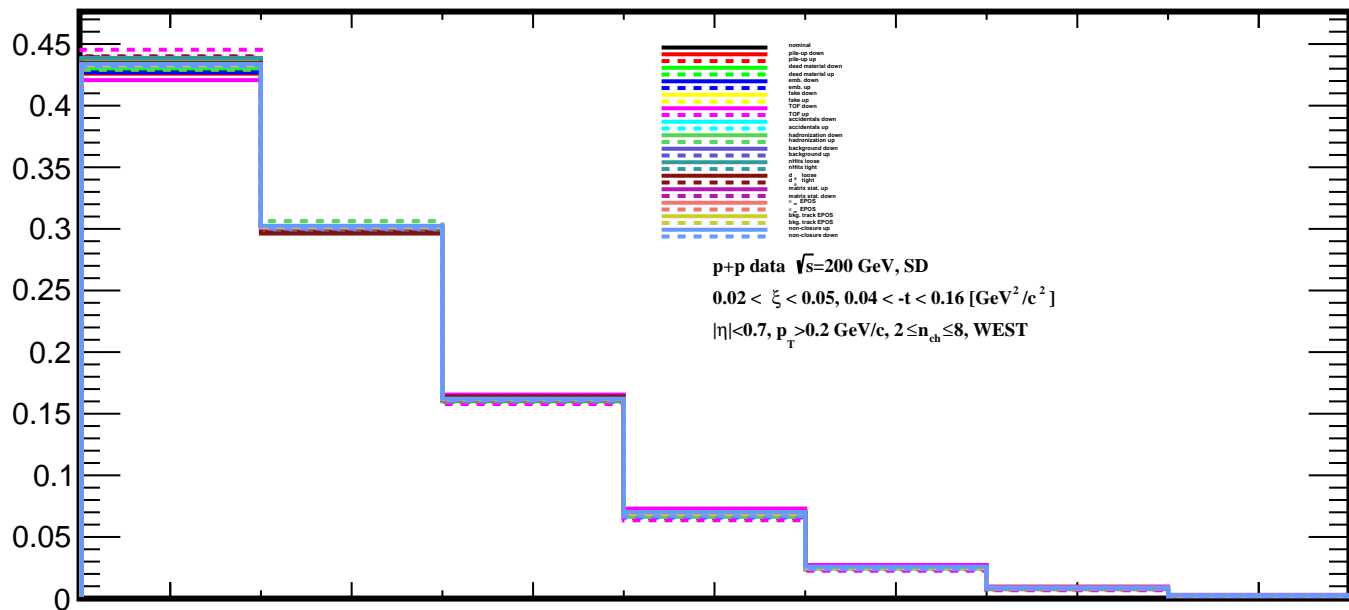




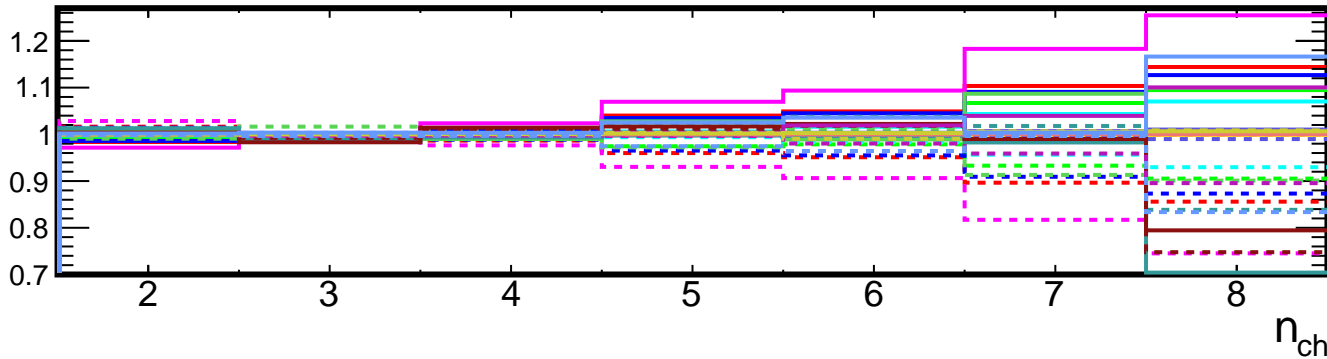


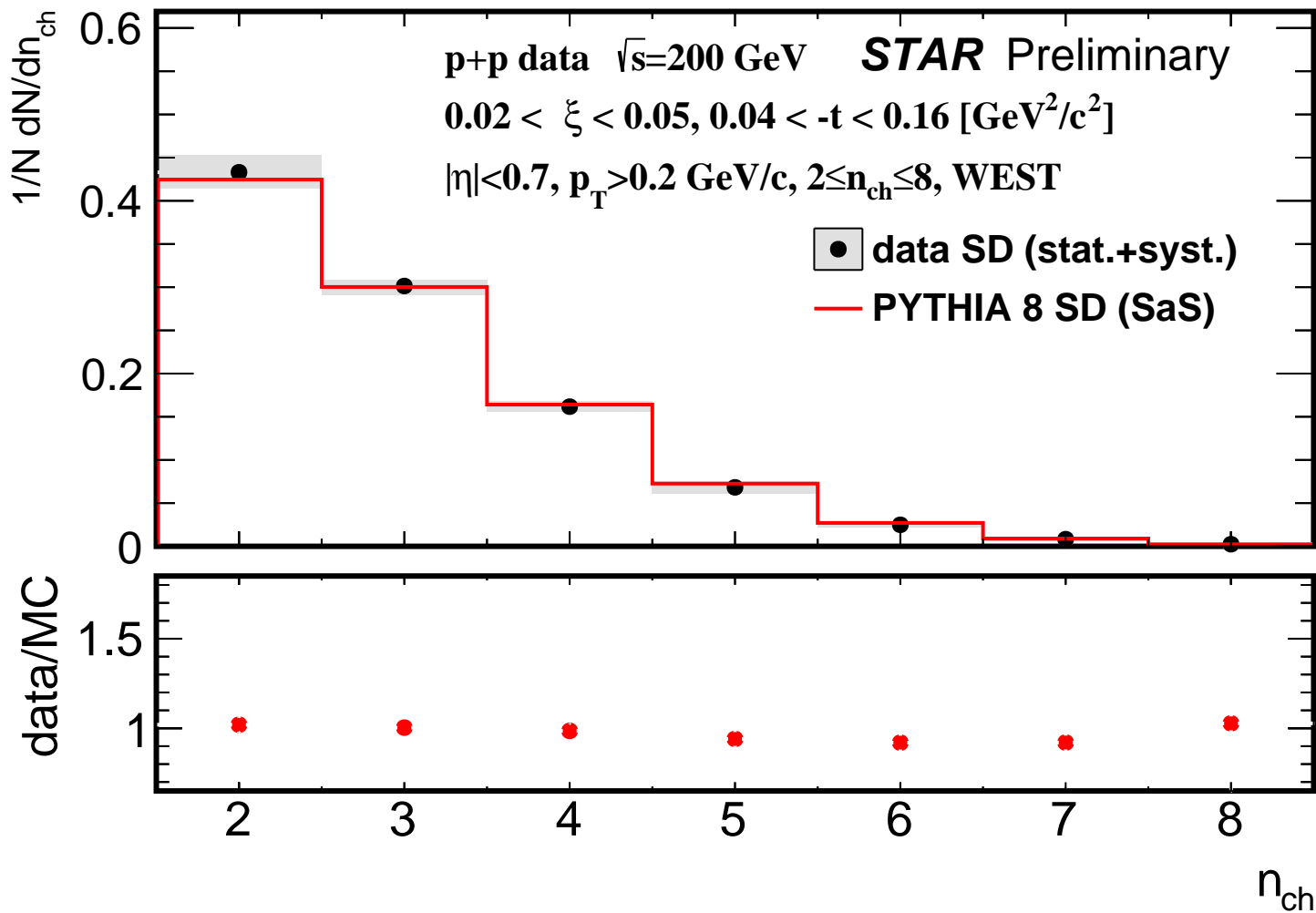


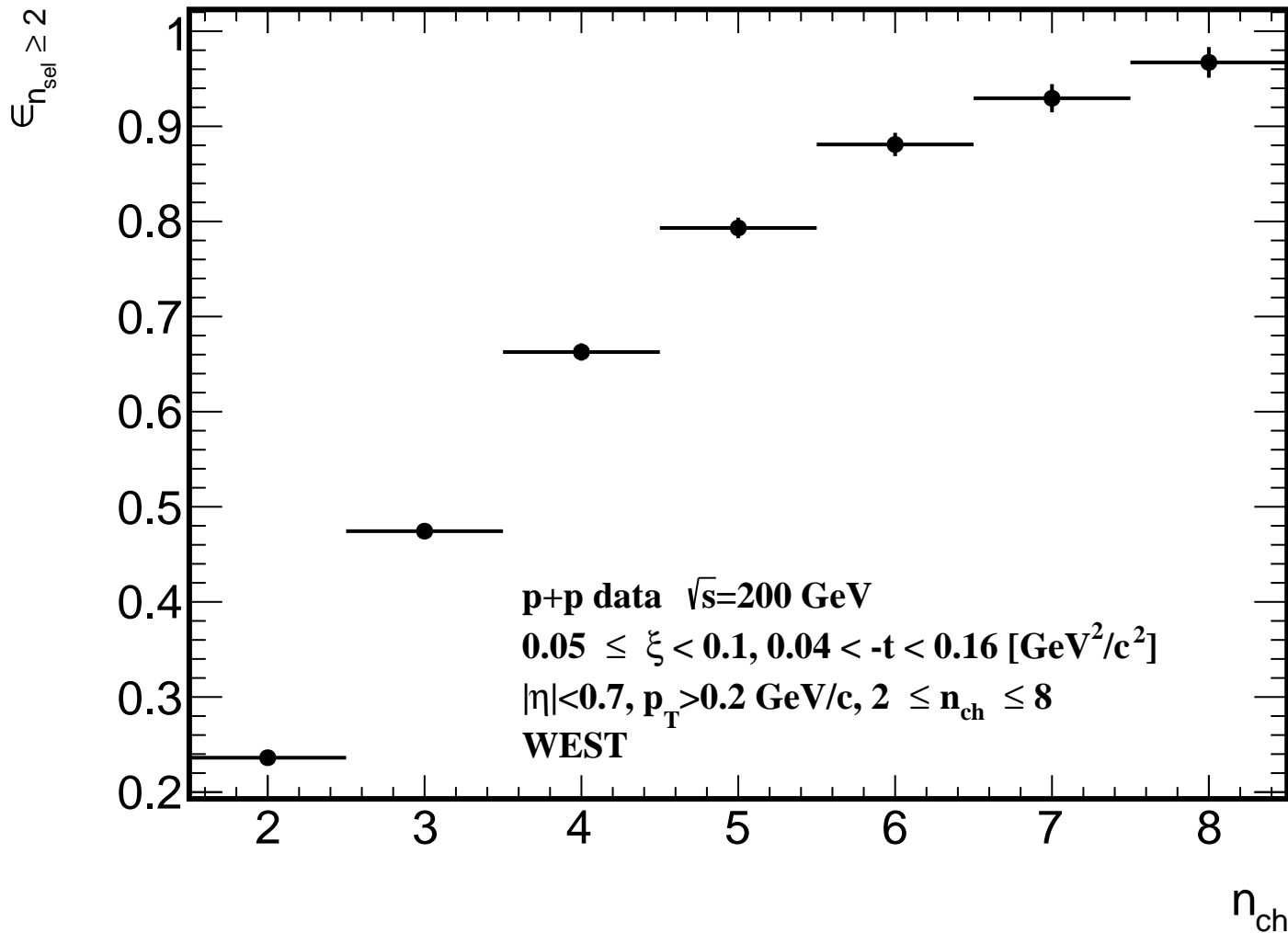


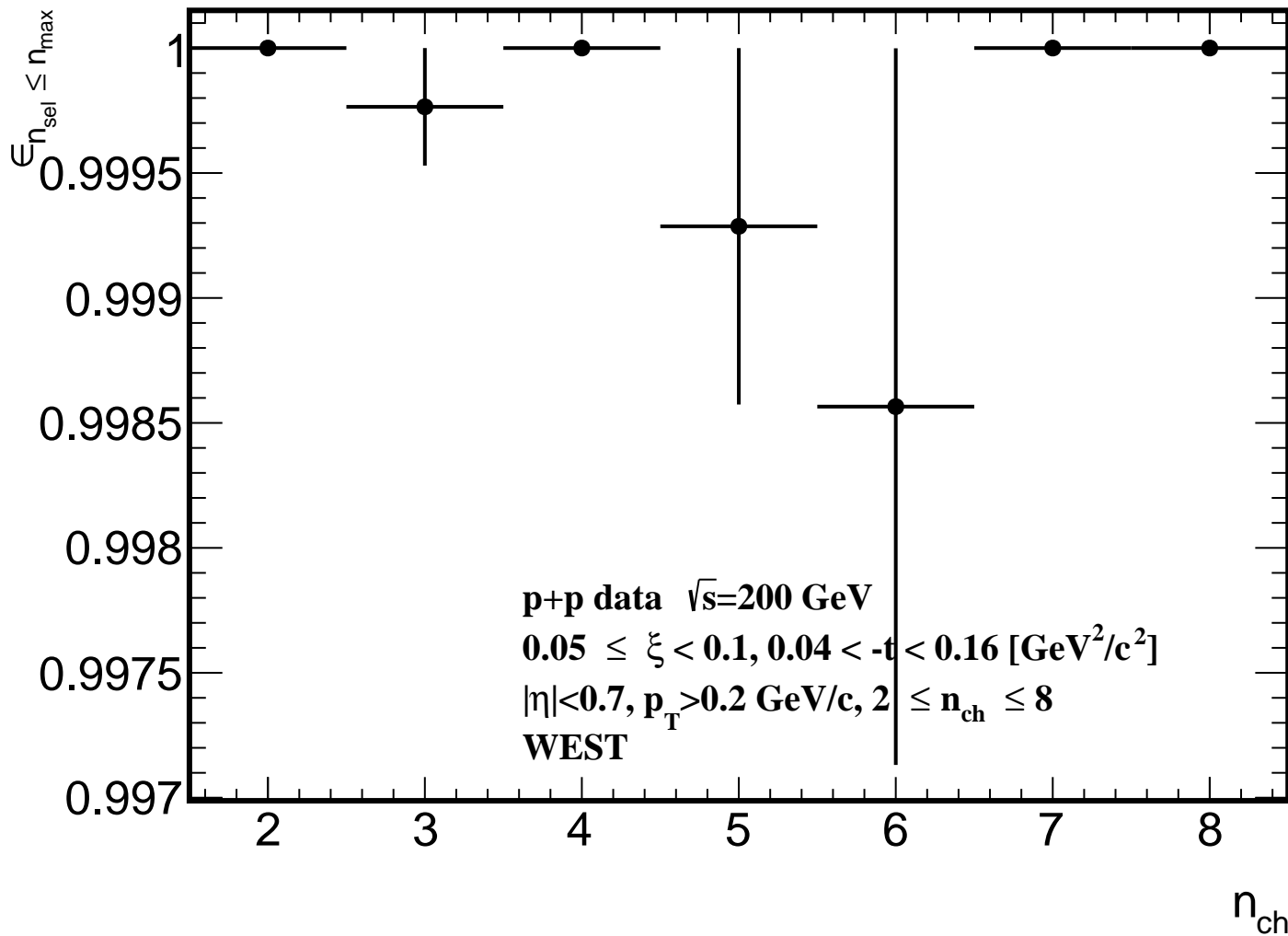
$1/N \, dN/dn_{\text{ch}}$ 

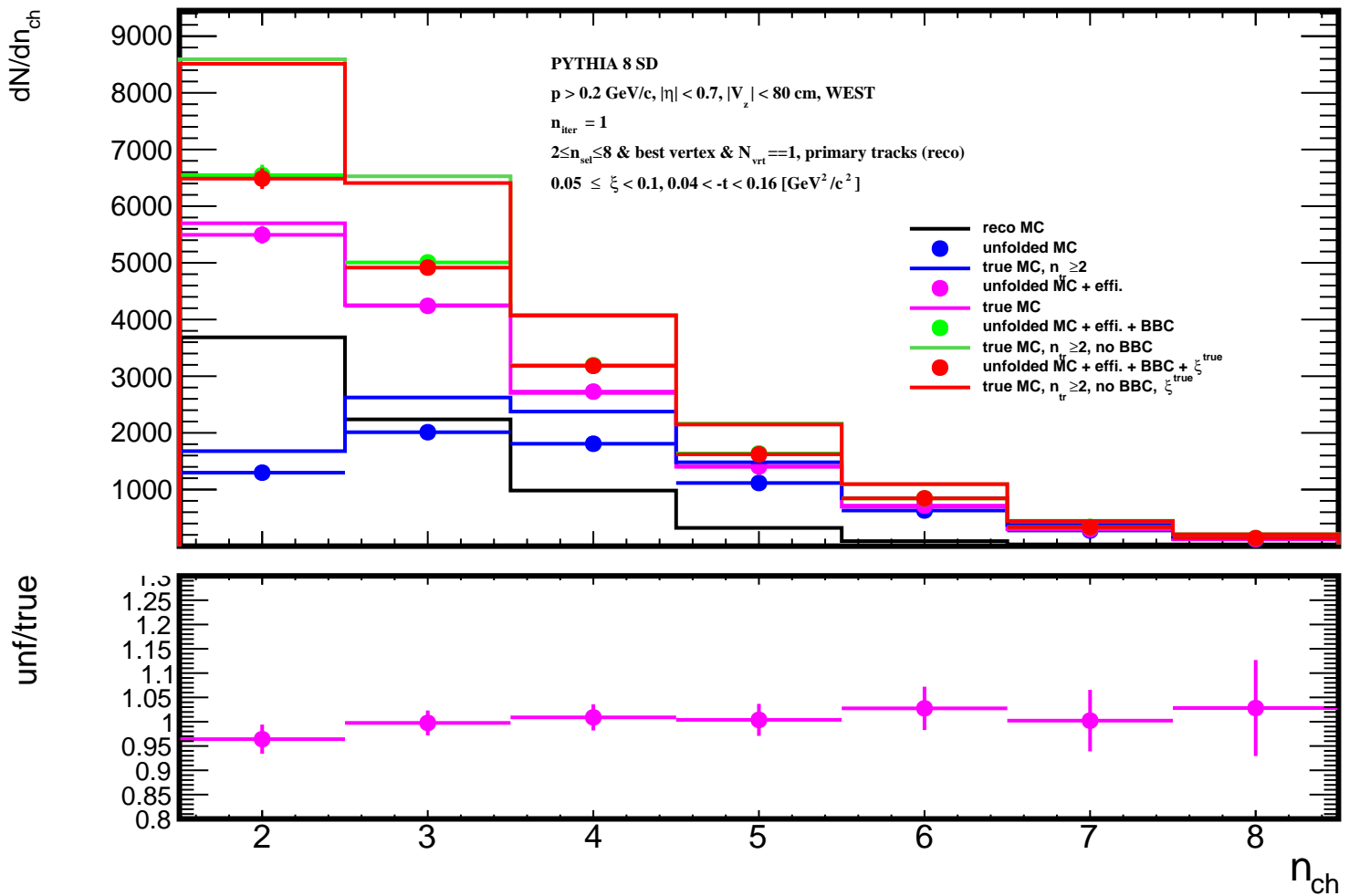
ratio

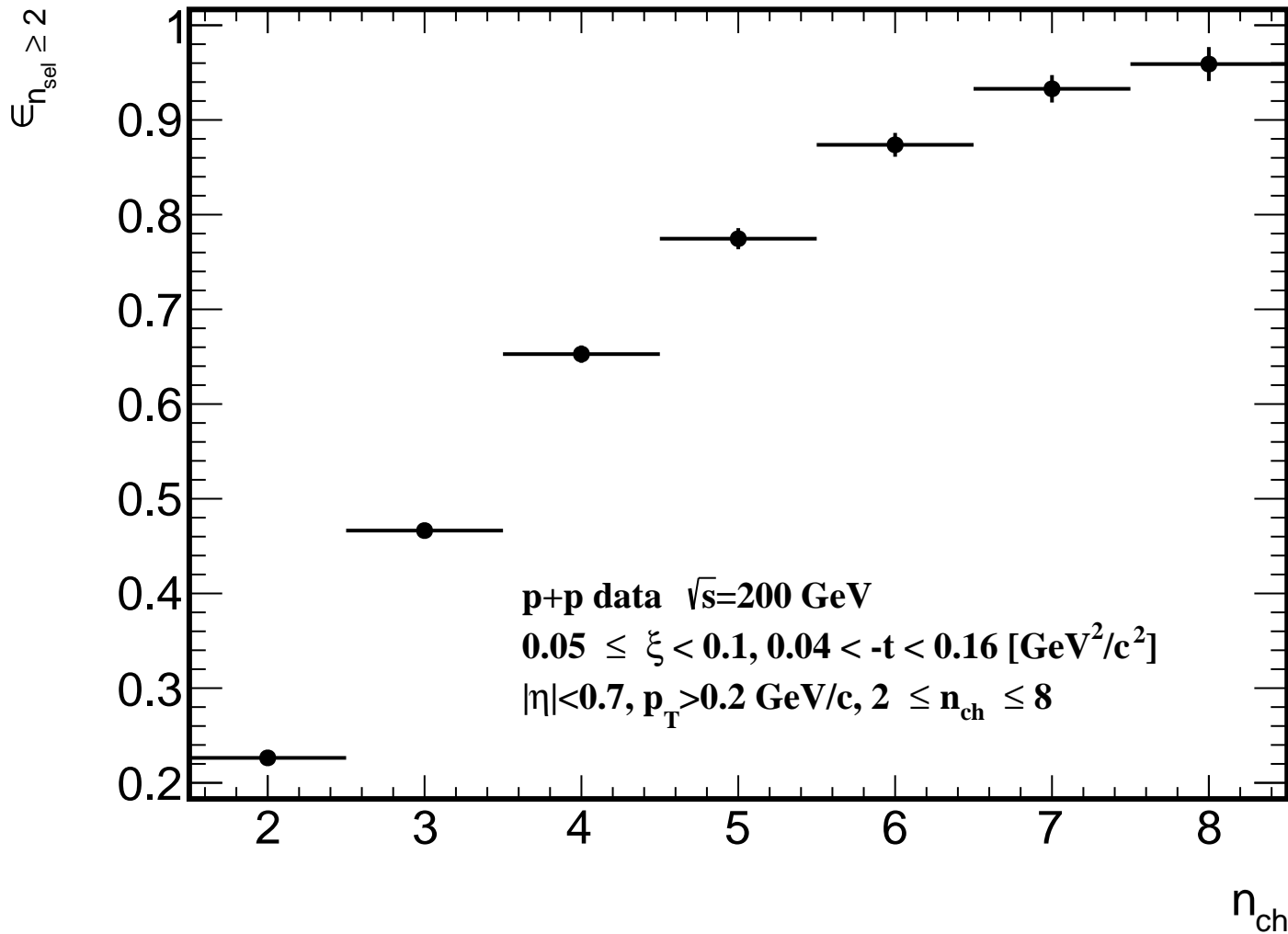


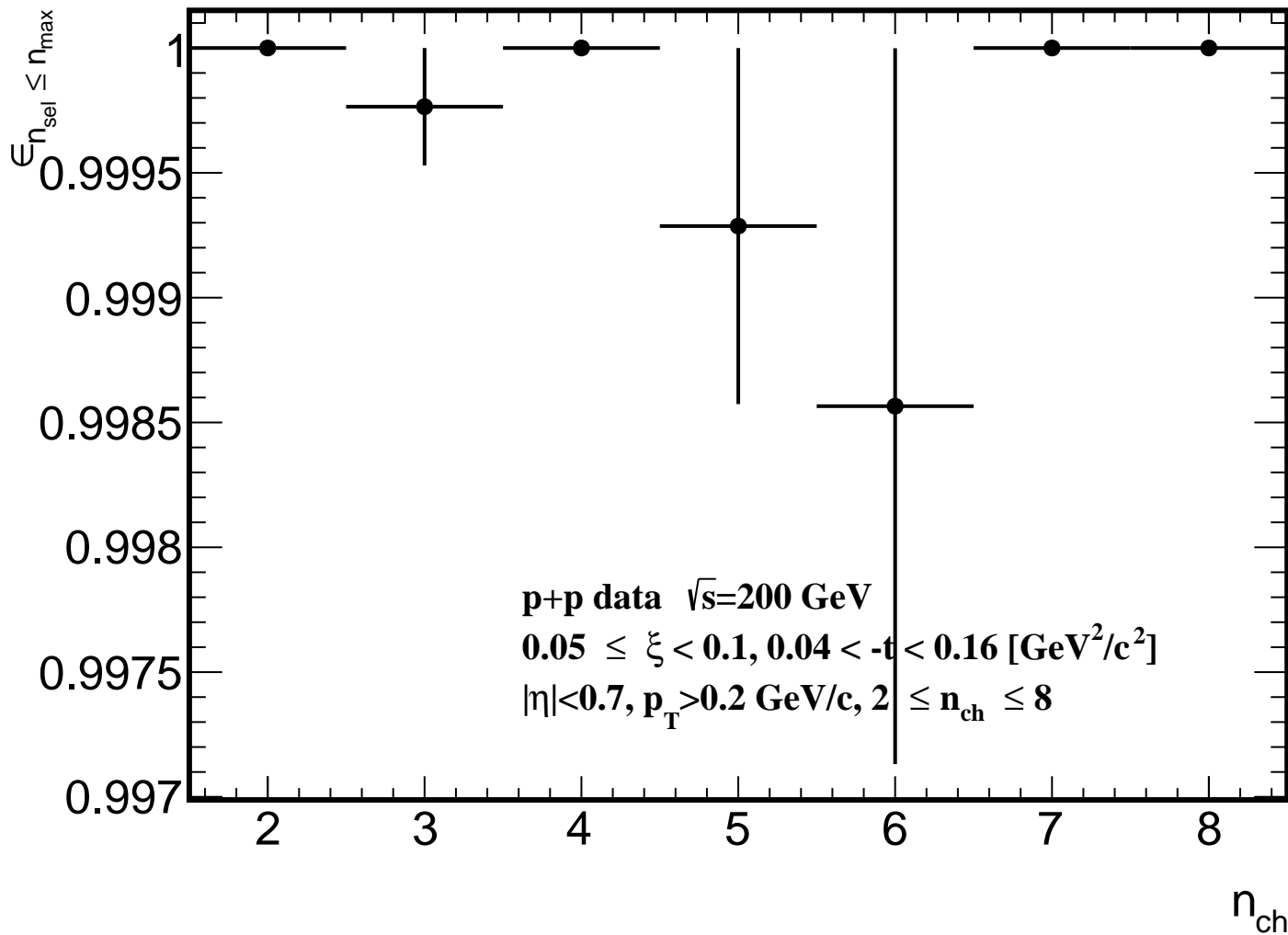


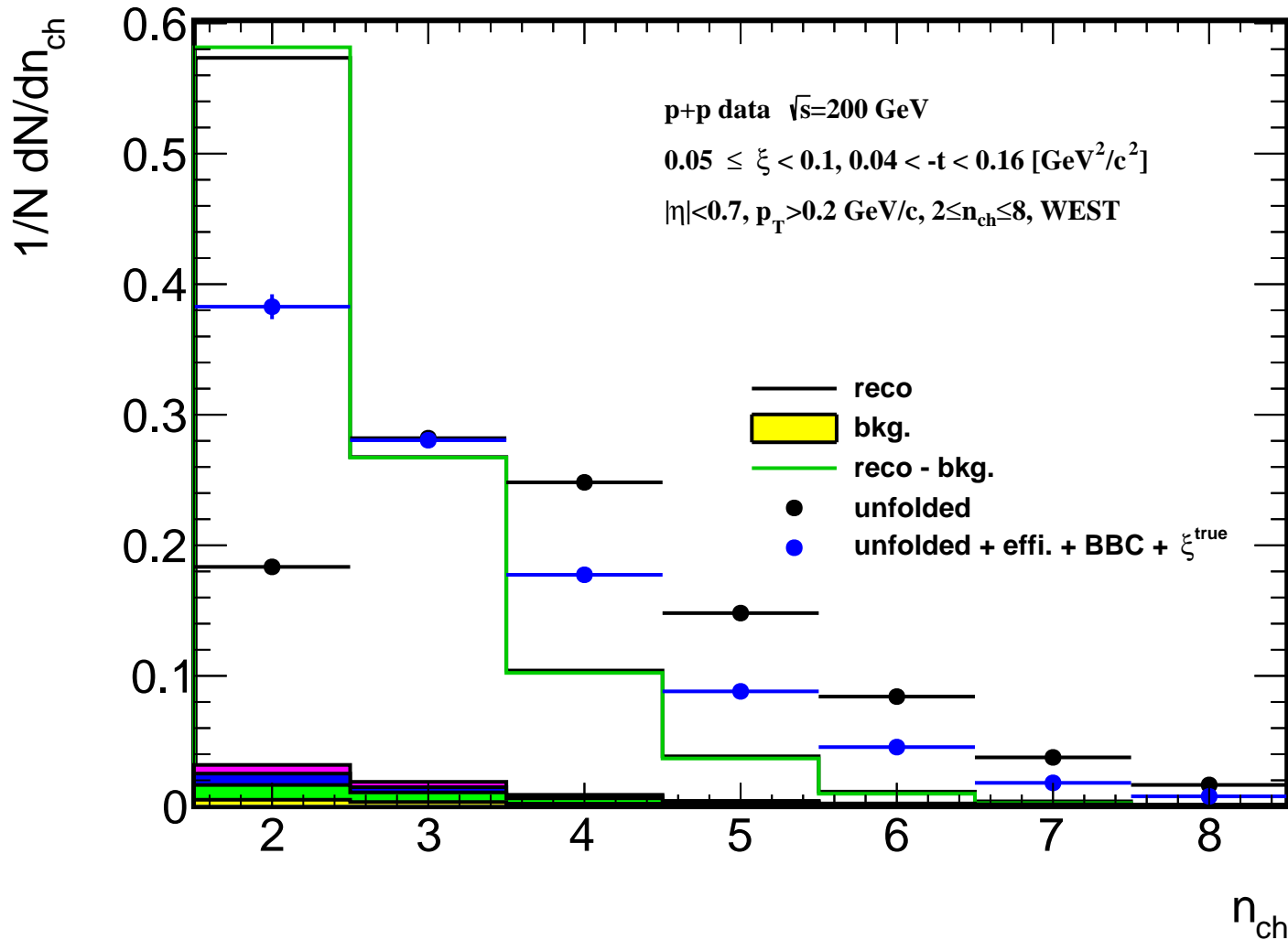


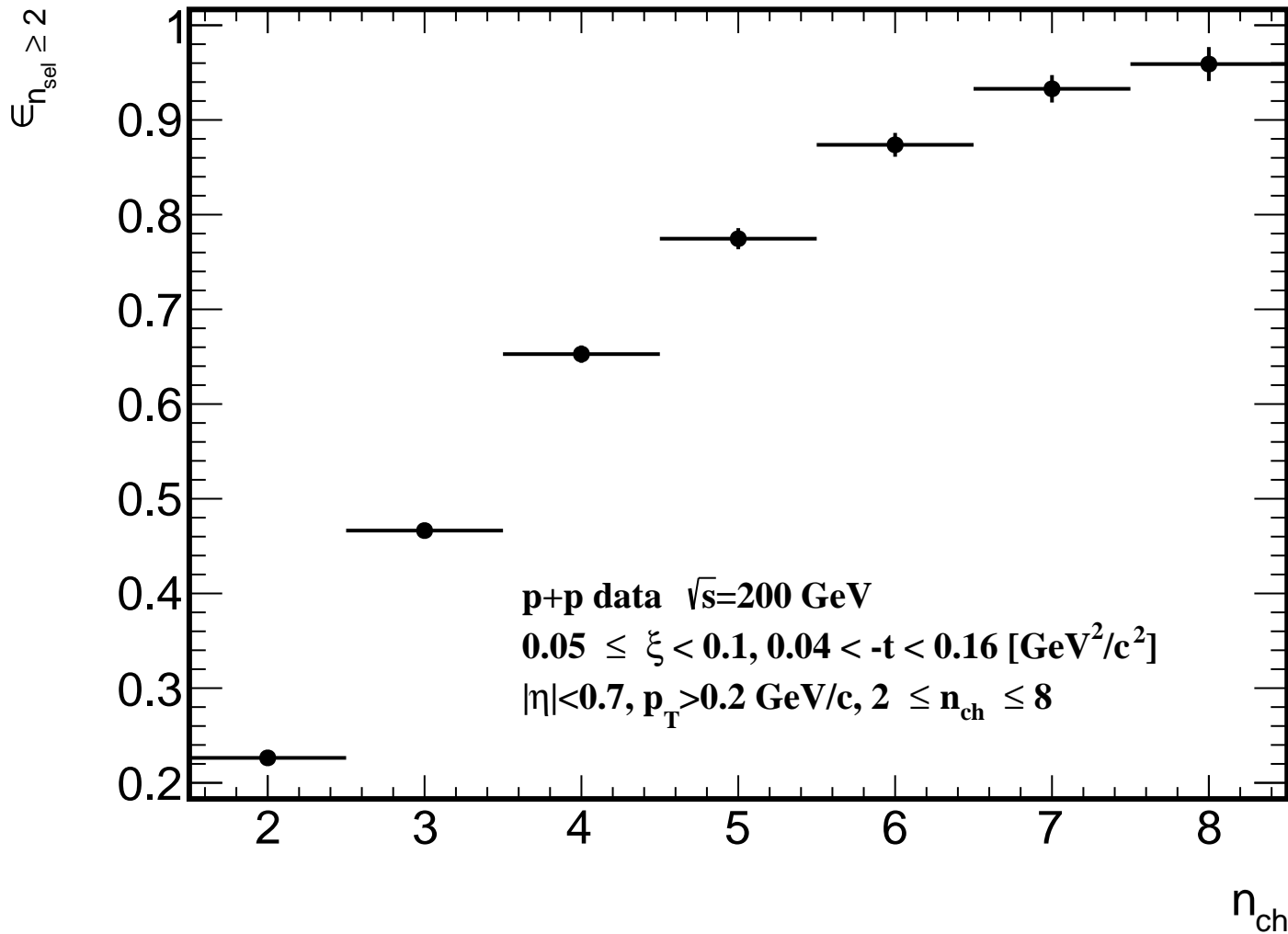


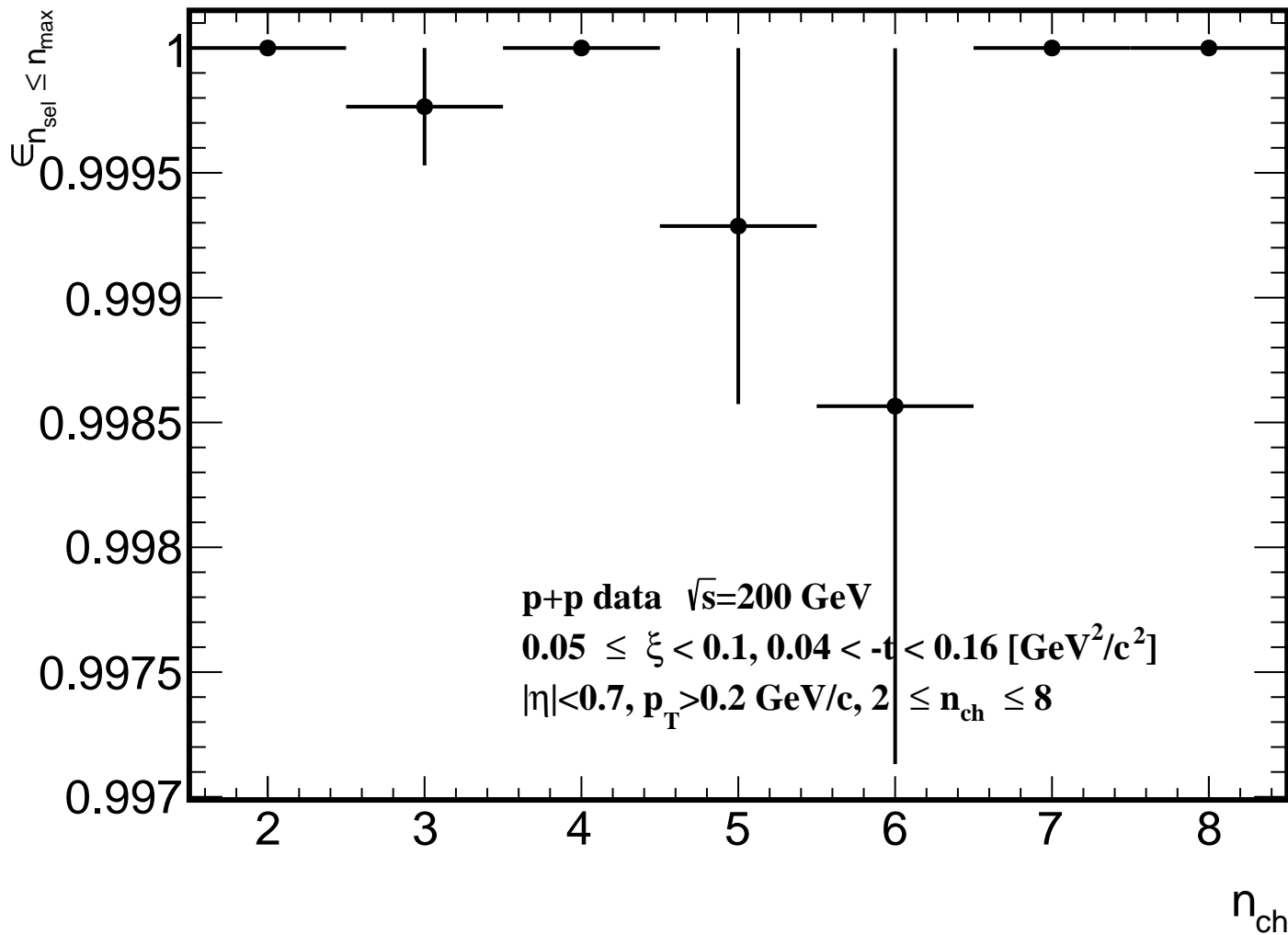


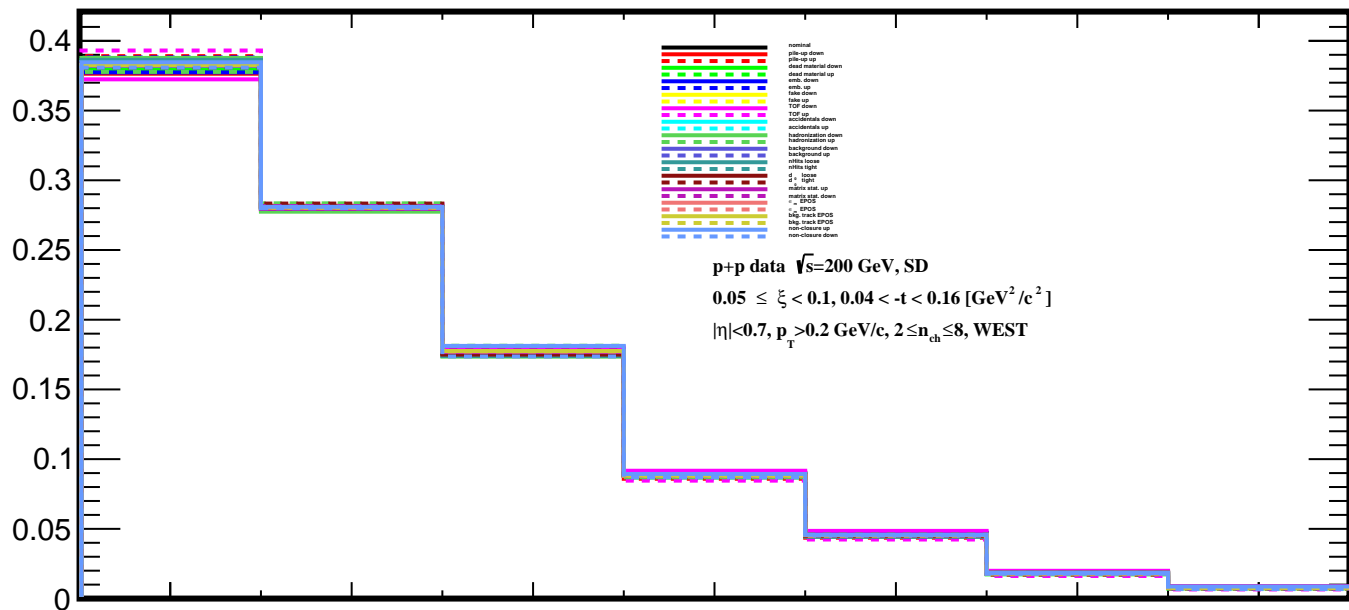




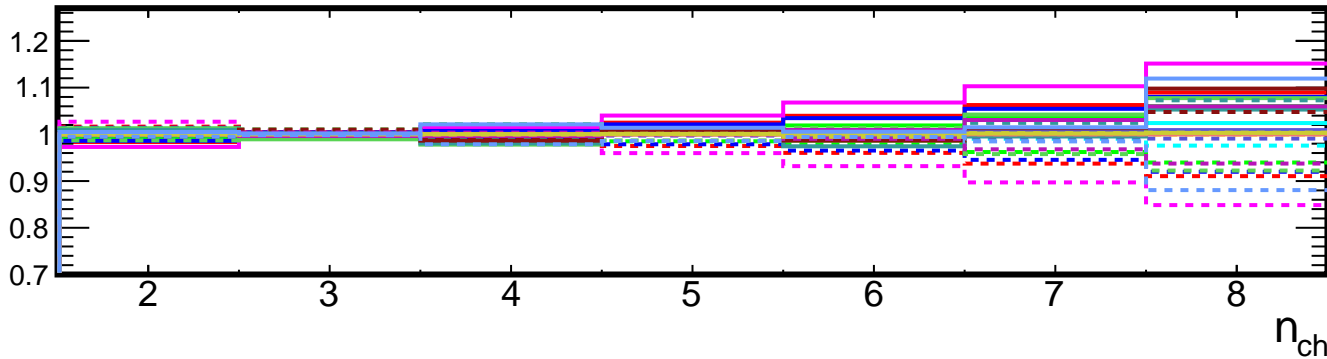


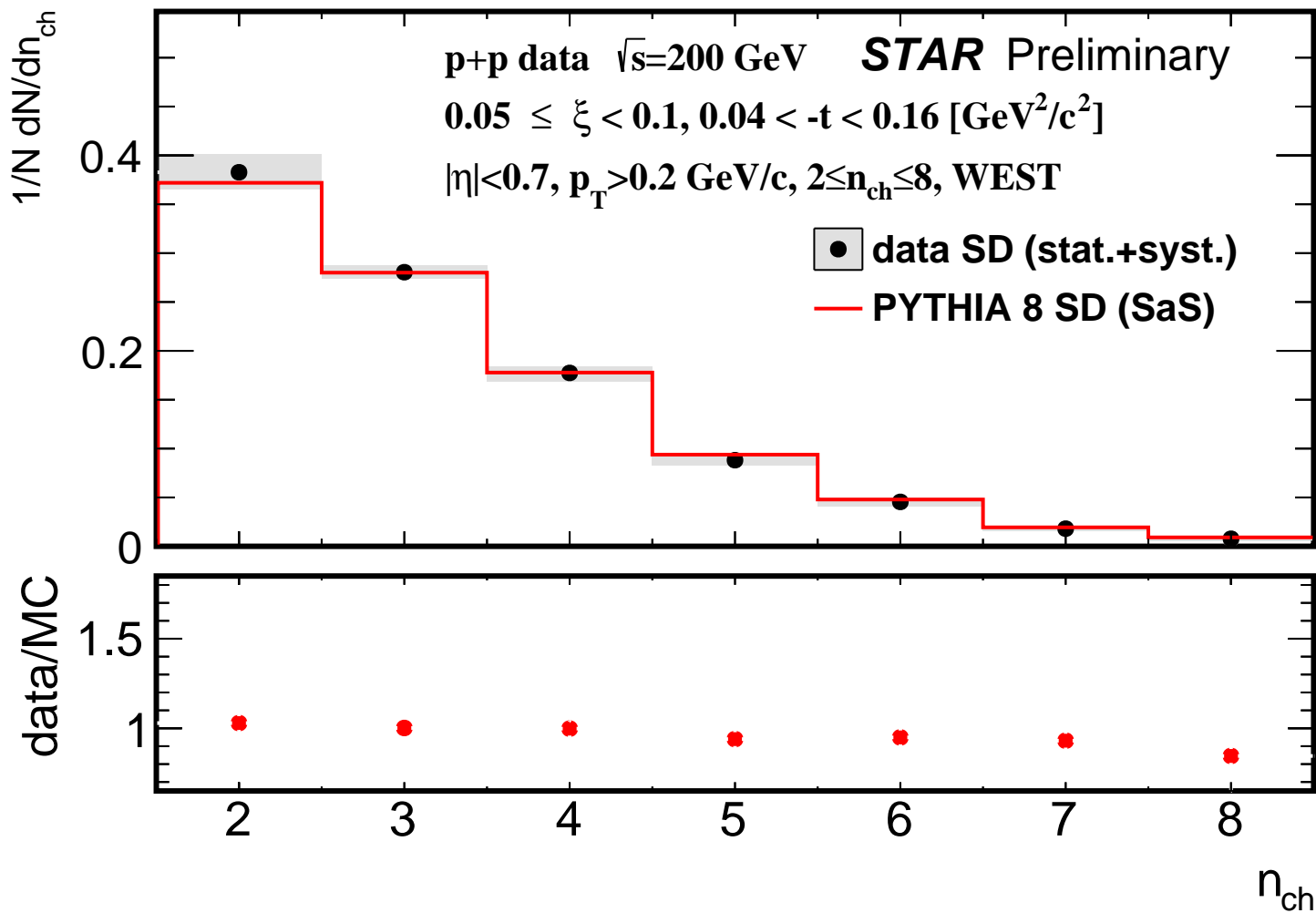


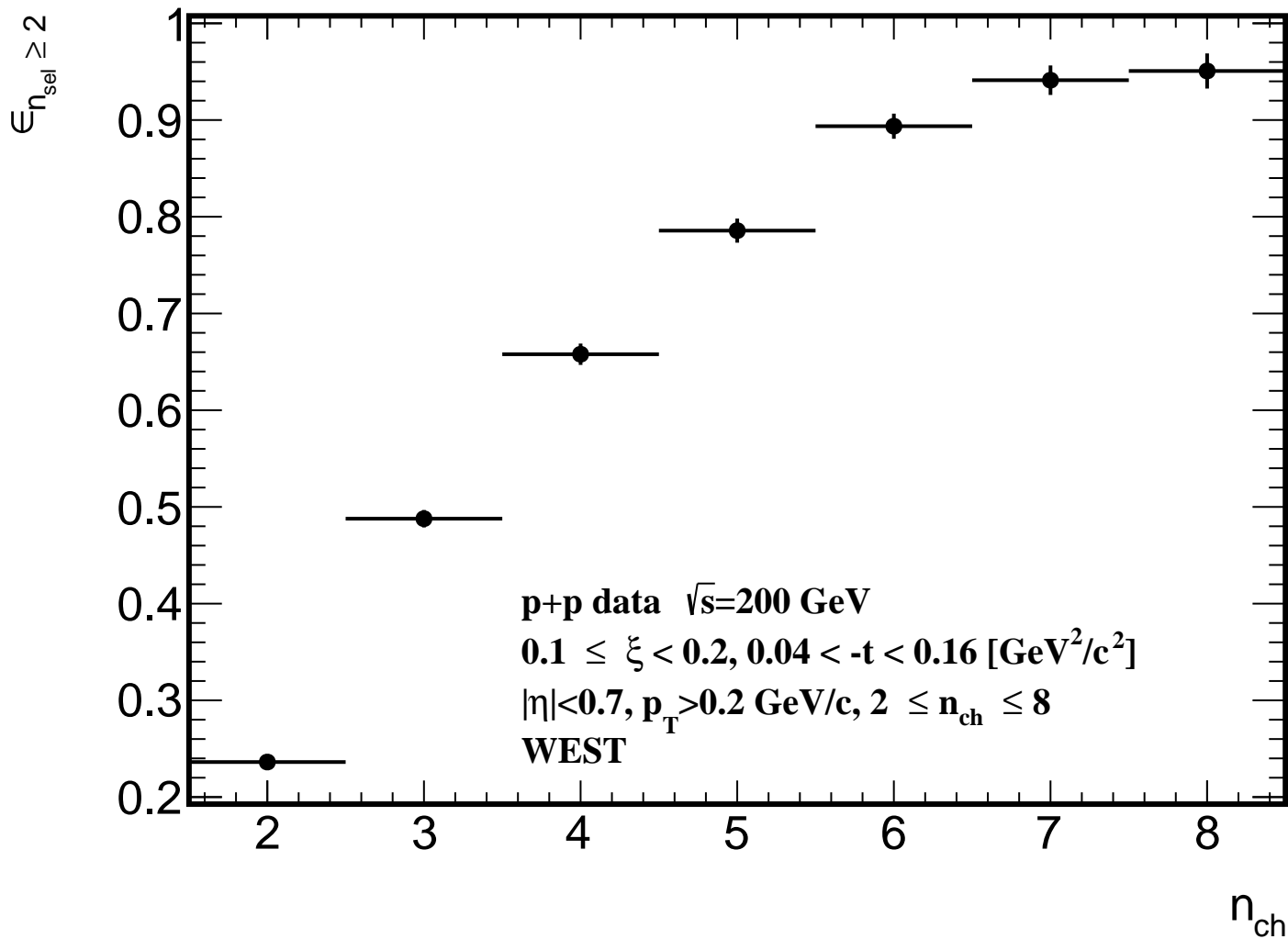


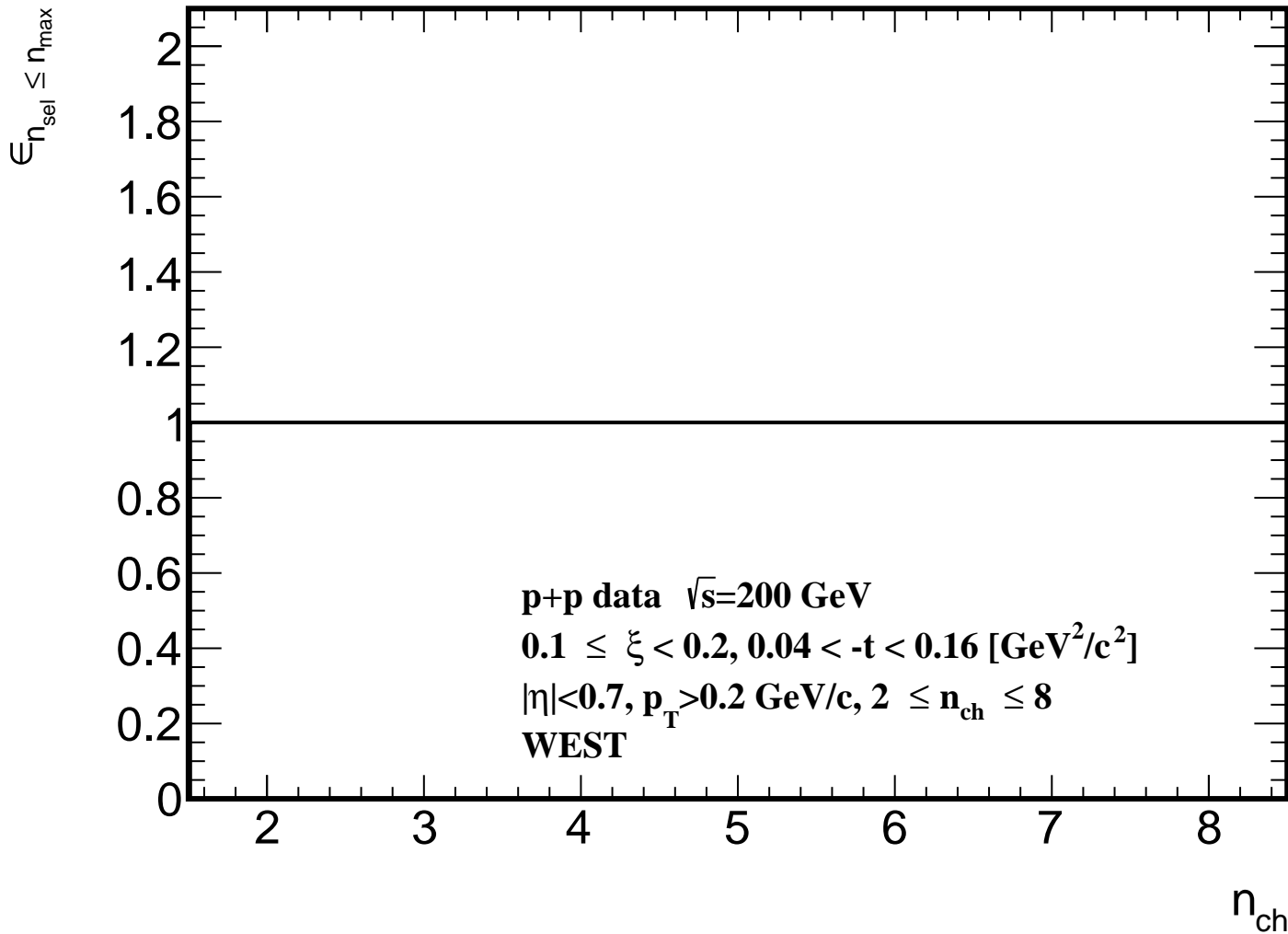
$1/N \, dN/dn_{\text{ch}}$ 

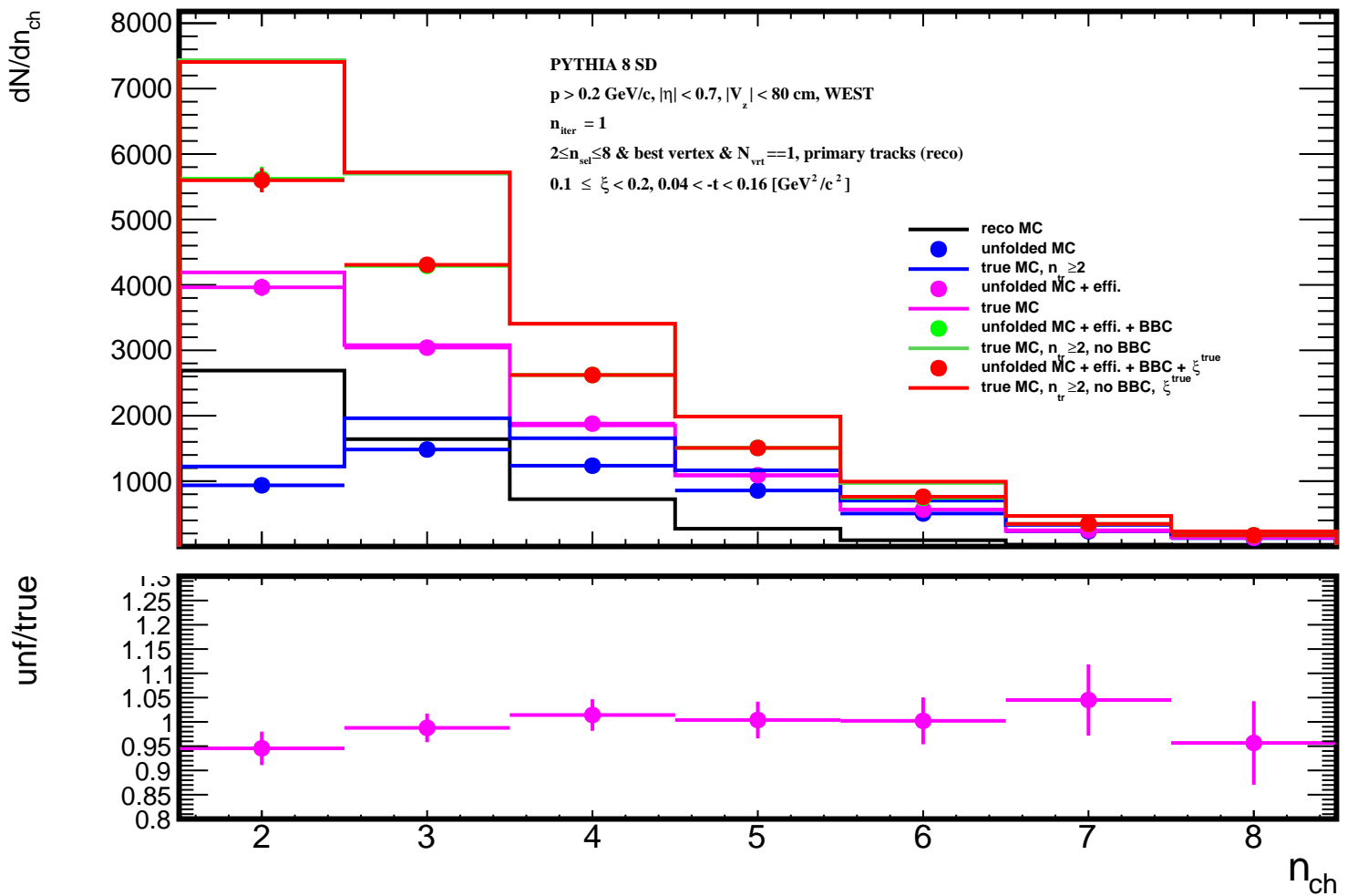
ratio











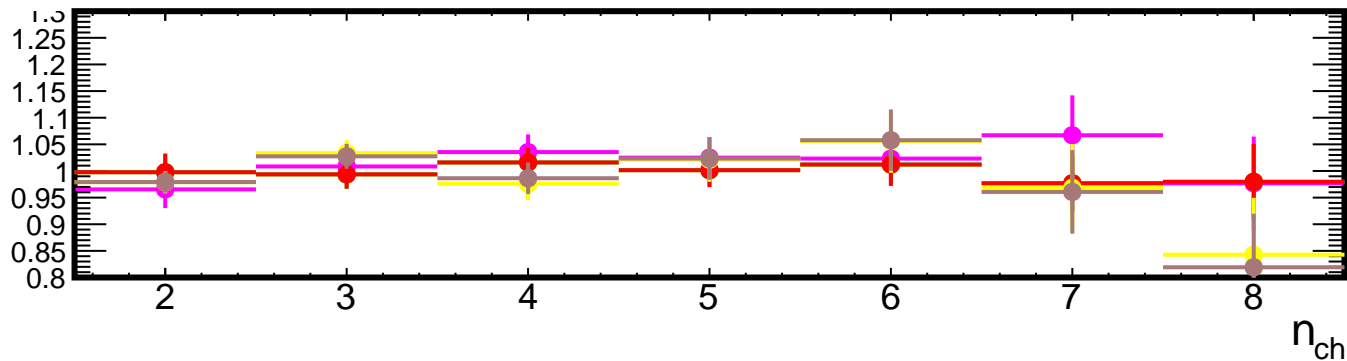
$1/N \, dN/dn_{\text{ch}}$

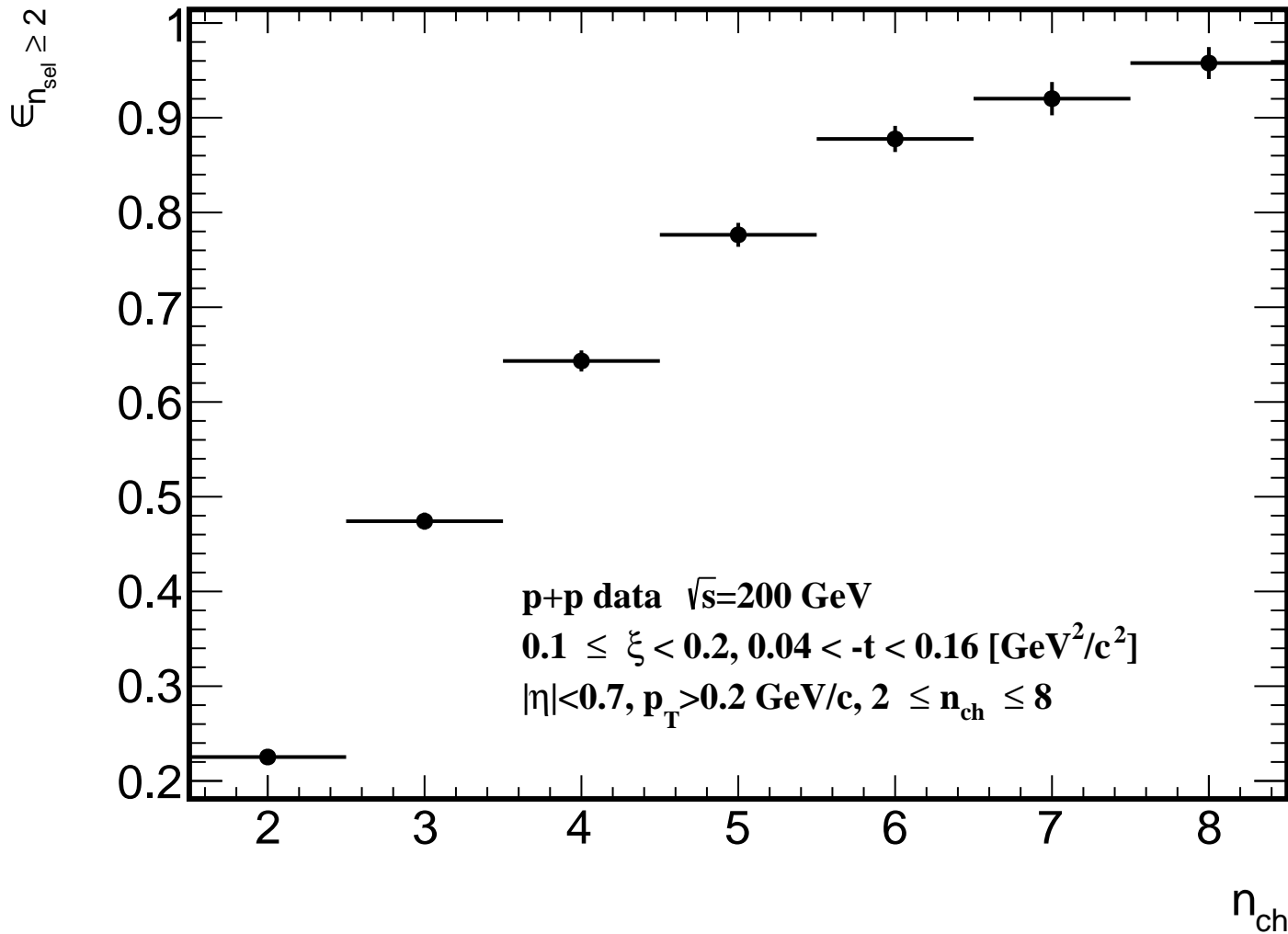
PYTHIA 8 SD

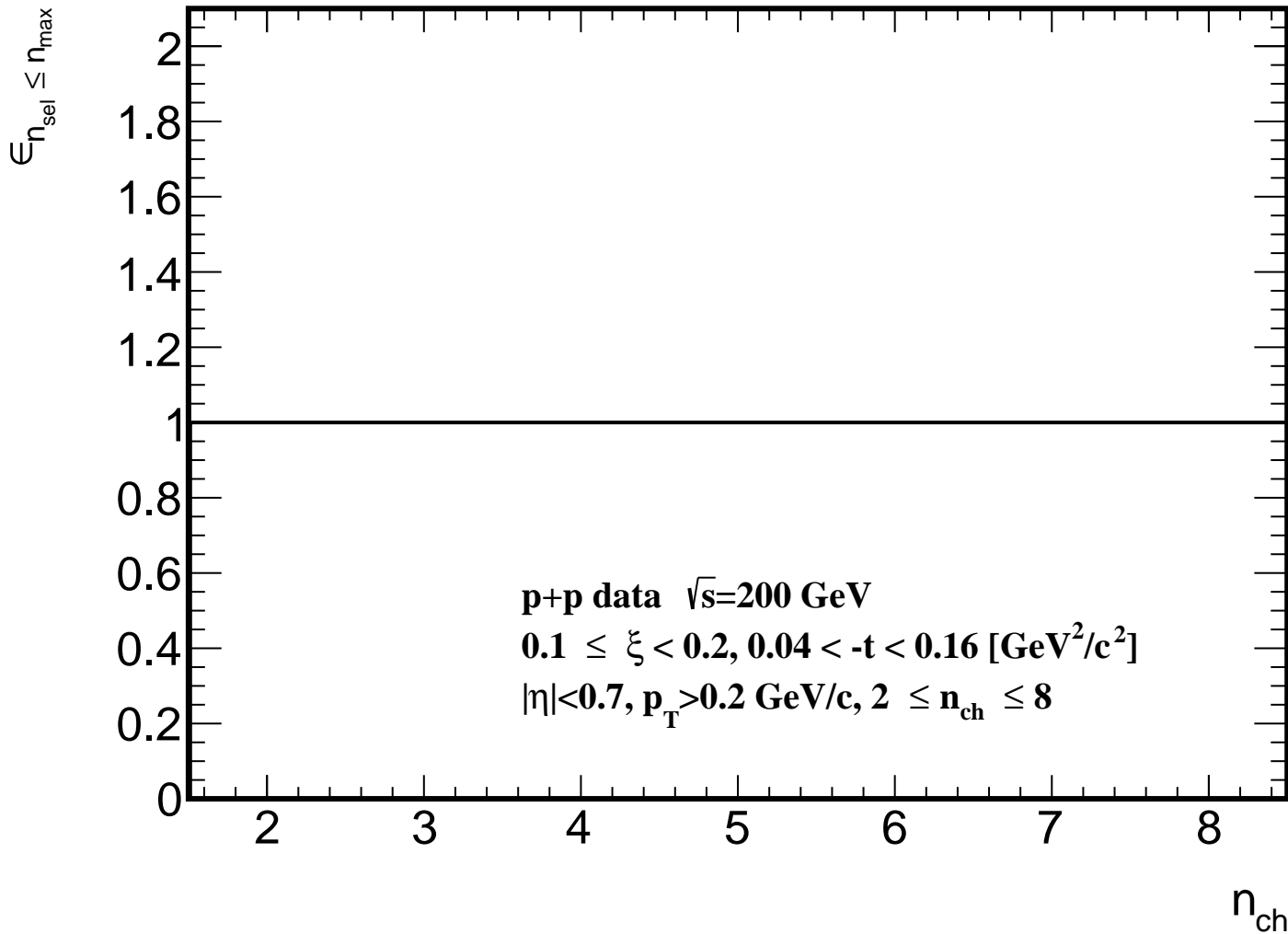
 $p > 0.2 \text{ GeV}/c, |\eta| < 0.7, |V_z| < 80 \text{ cm, WEST}$ $n_{\text{iter}} = 1$ $2 \leq n_{\text{sel}} \leq 8 \text{ \& best vertex \& } N_{\text{vtx}} = 1, \text{ primary tracks (reco)}$ $0.1 \leq \xi < 0.2, 0.04 < -t < 0.16 \text{ [GeV}^2/c^2]$

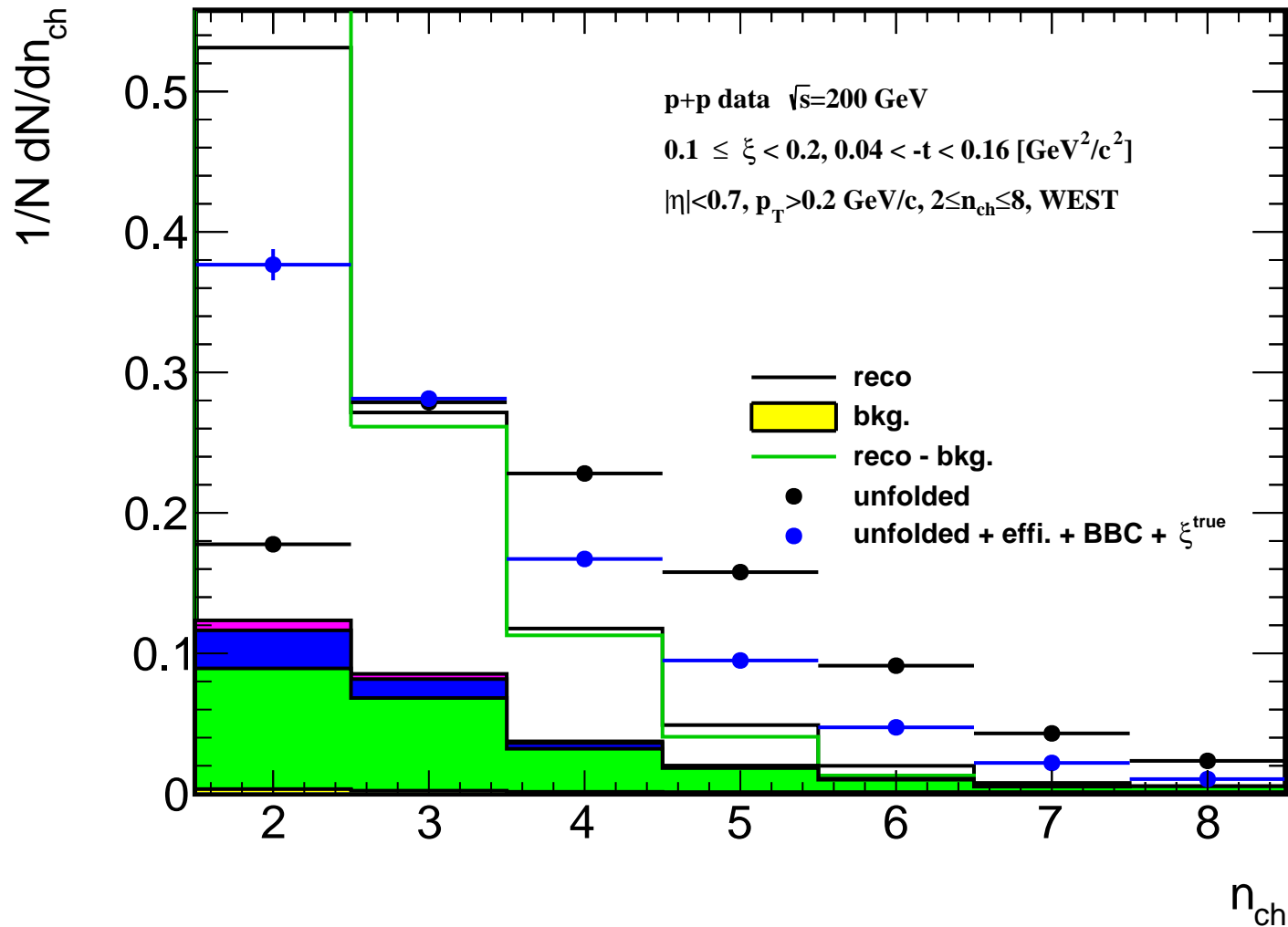
- reco MC
- unfolded MC
- true MC, $n_{\text{tr}} \geq 2$
- unfolded MC + effi.
- true MC
- unfolded MC + effi. + BBC
- true MC, $n_{\text{tr}} \geq 2$, no BBC
- unfolded MC + effi. + BBC + $\xi_{\text{true}}, -t$
- true MC, $n_{\text{tr}} \geq 2$, no BBC, $\xi_{\text{true}}, -t$
- true MC, $n_{\text{tr}}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

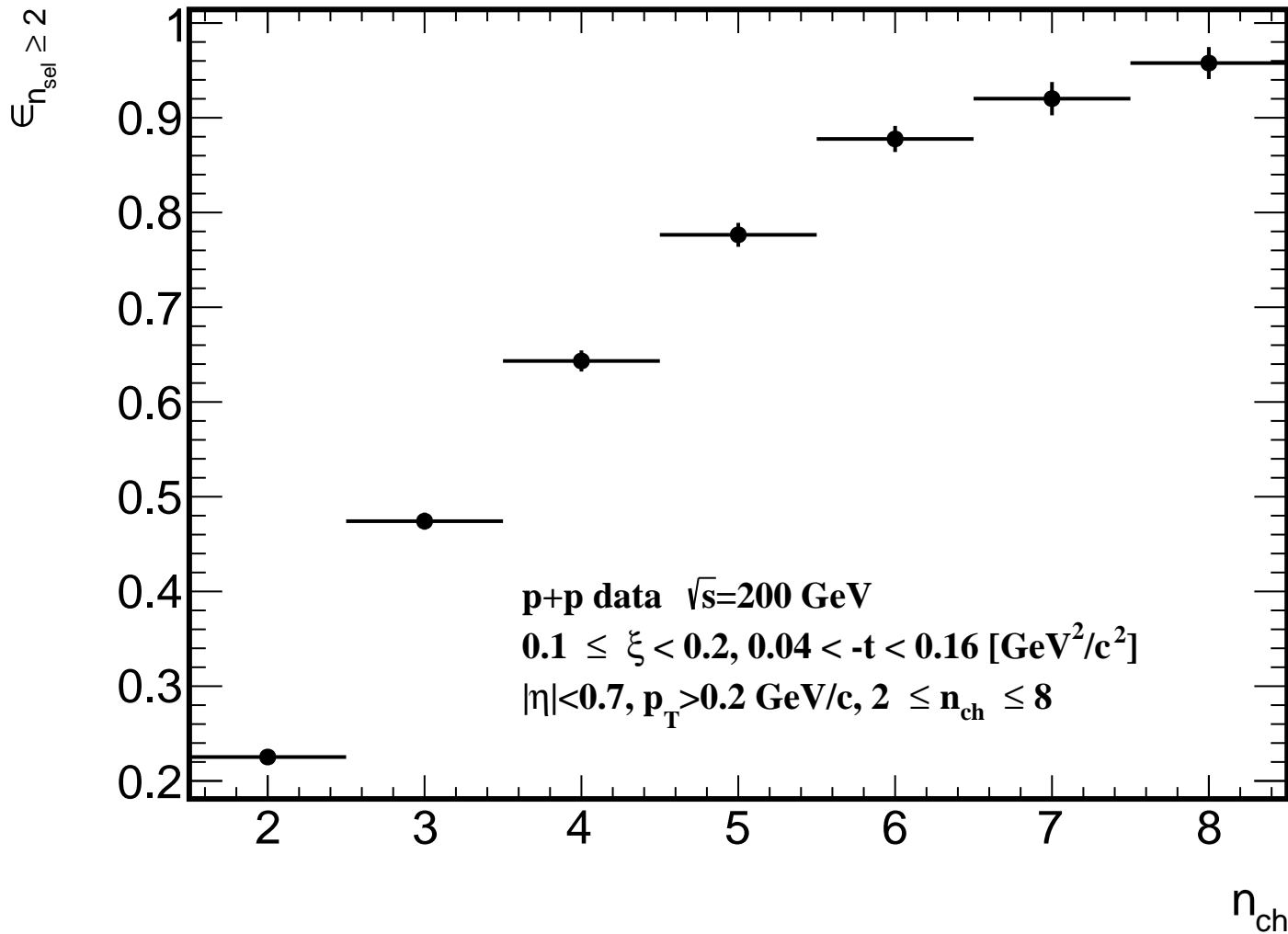
unf/true

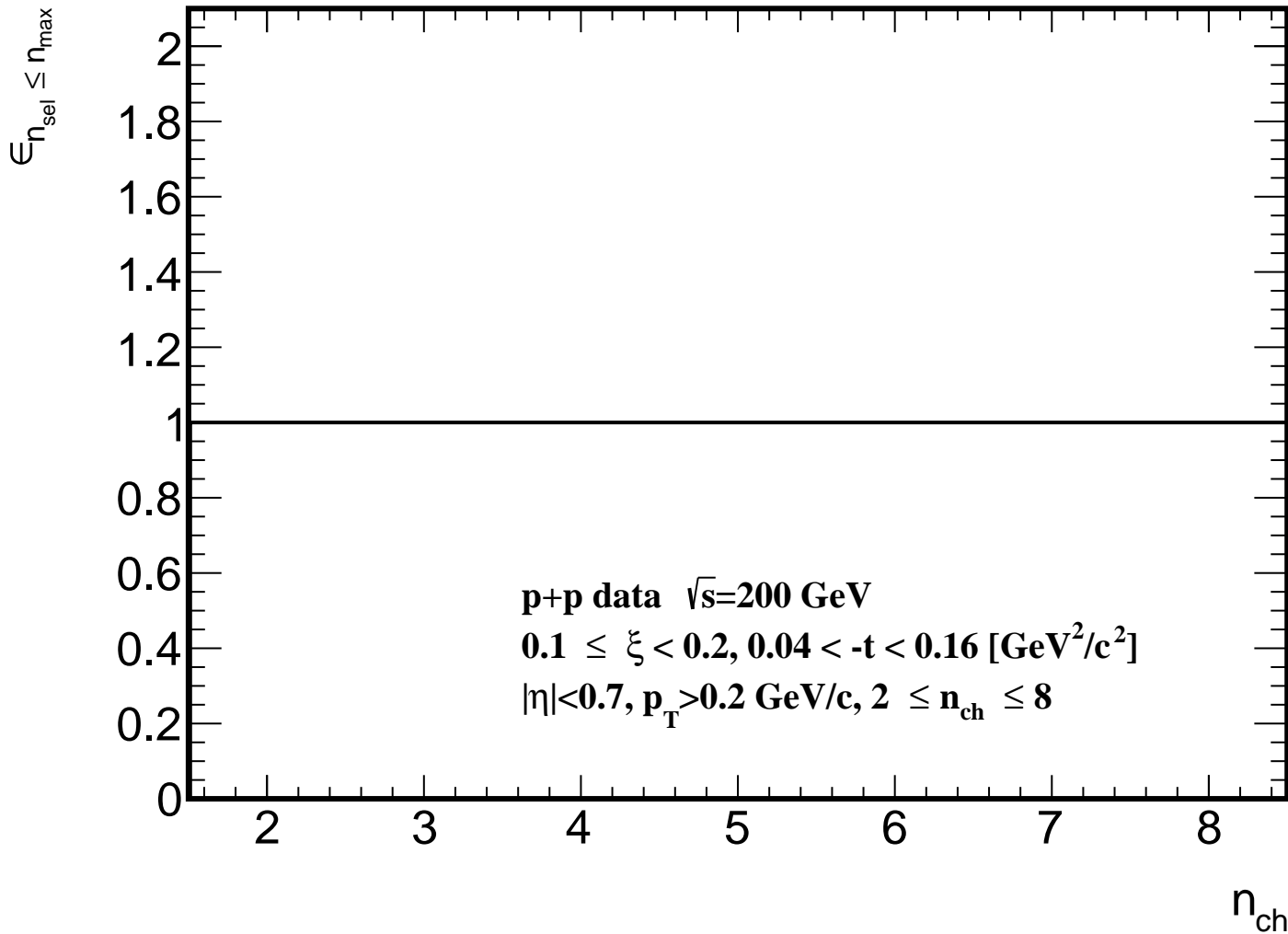


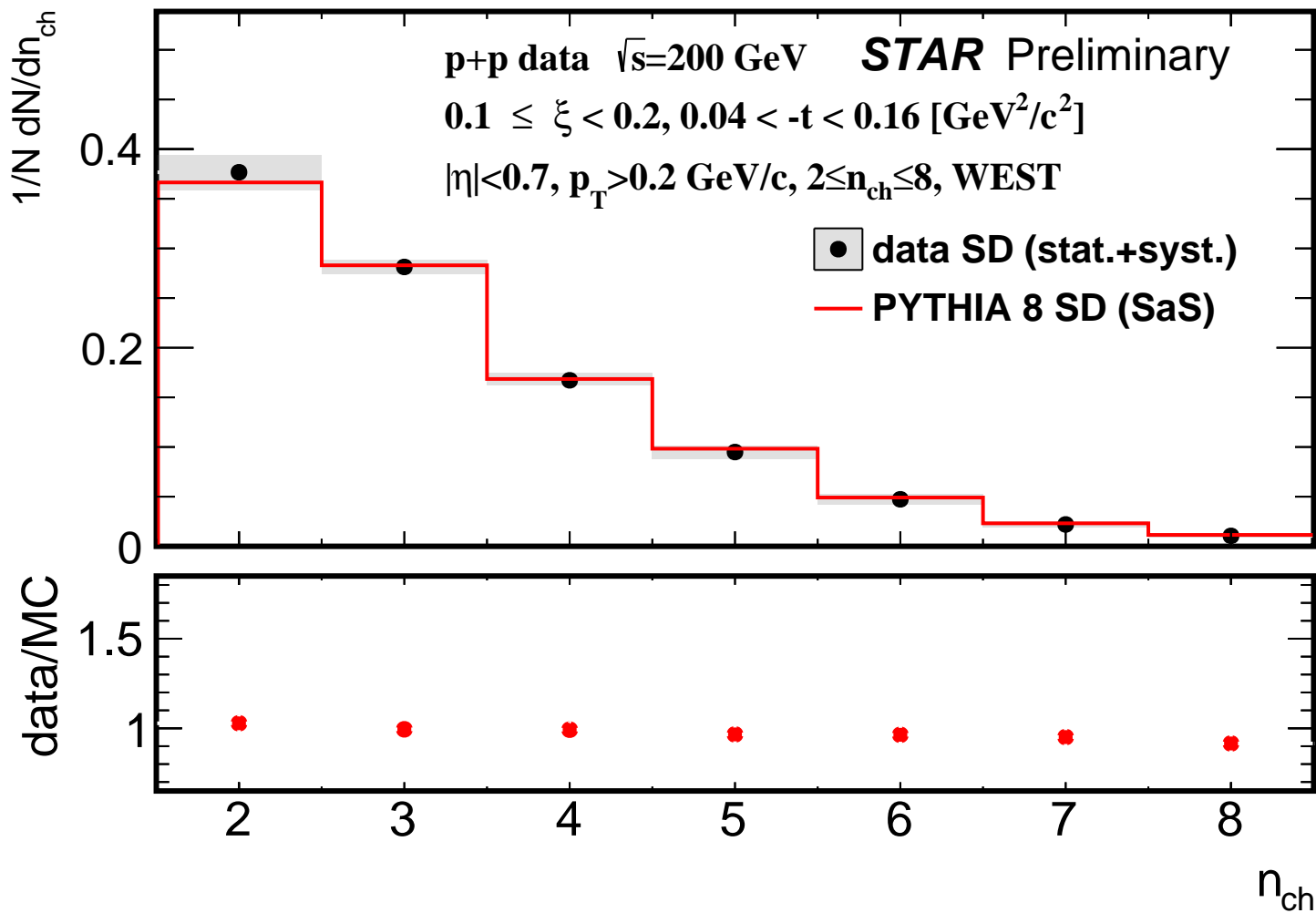


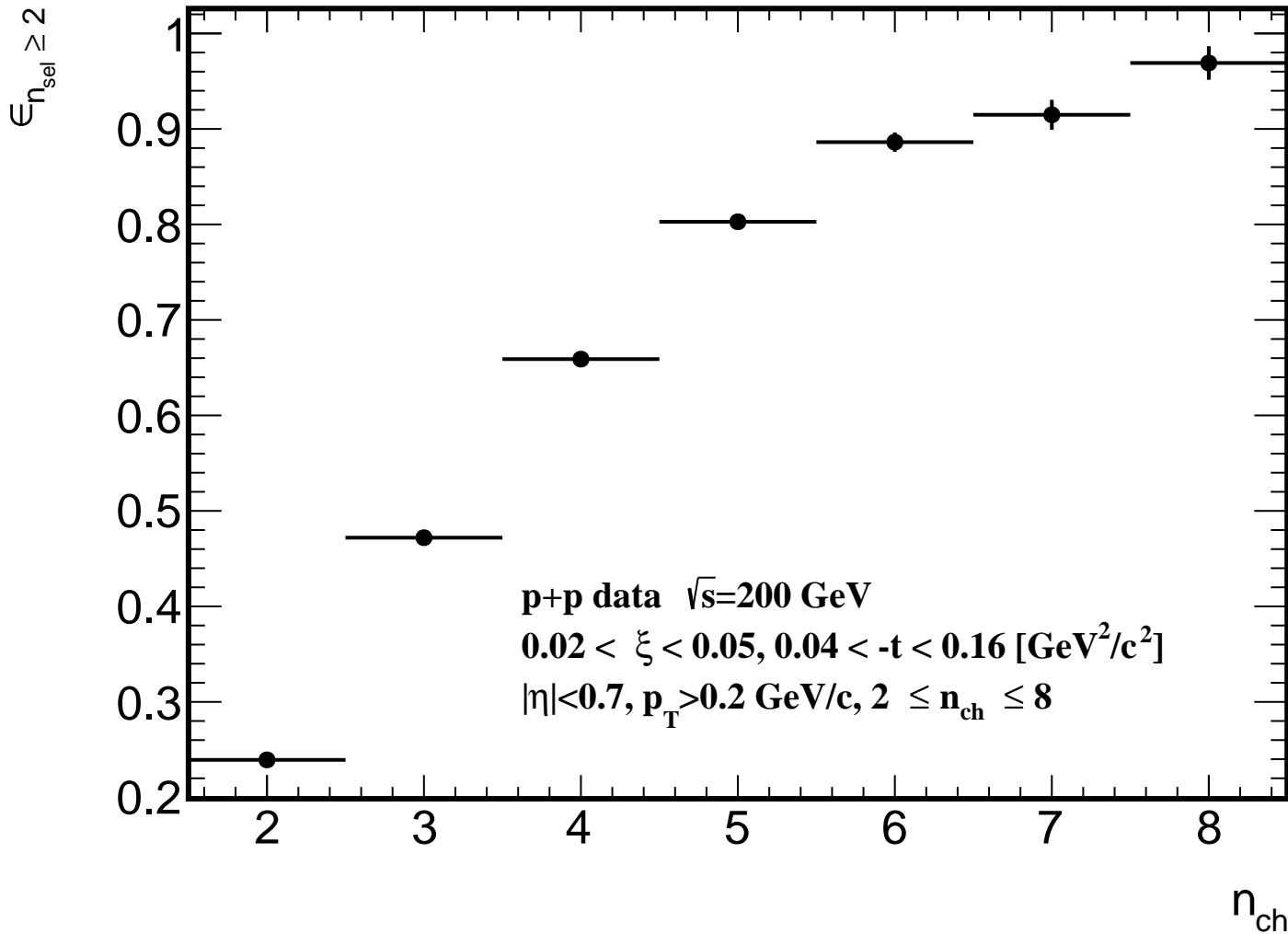


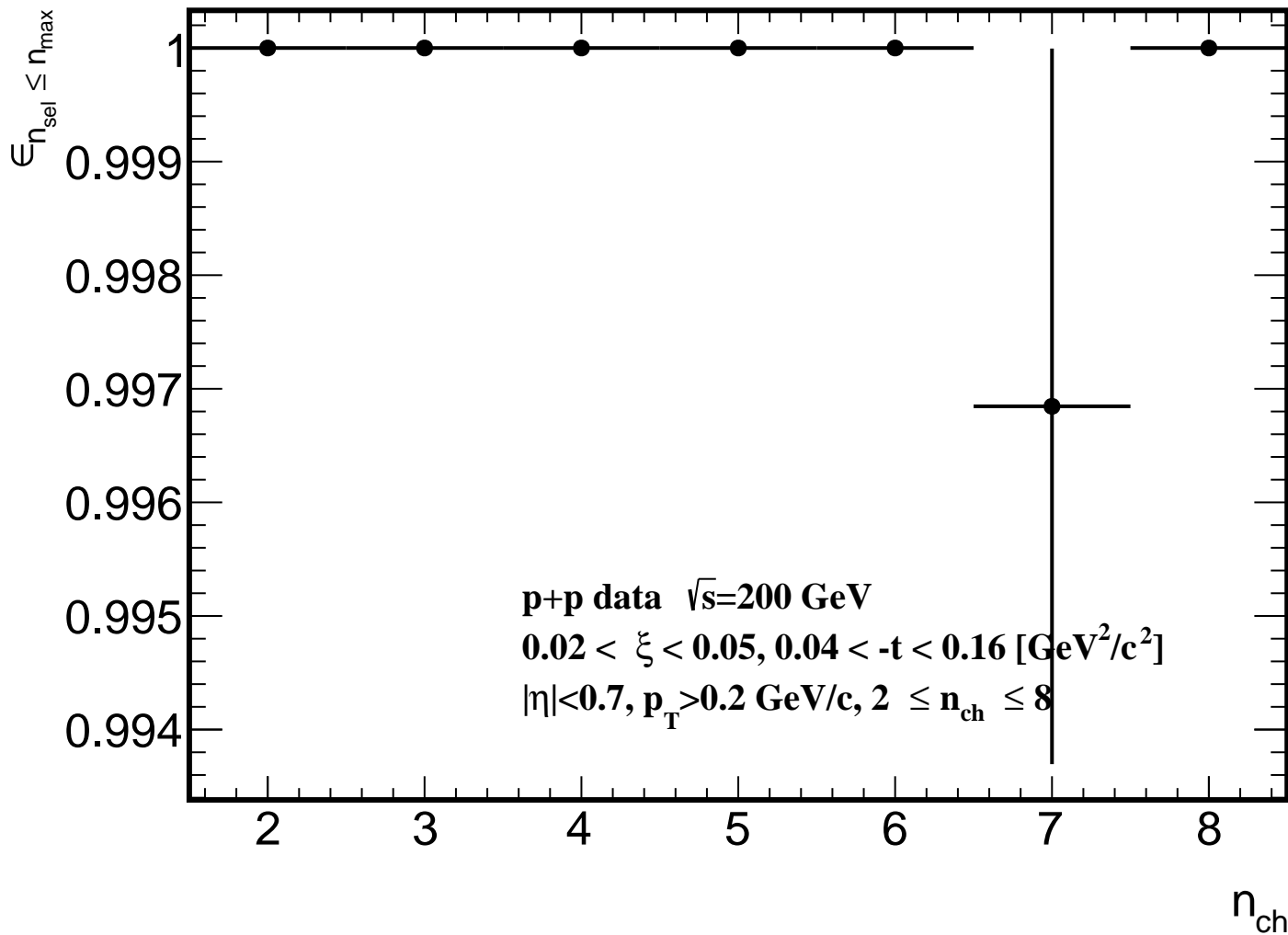


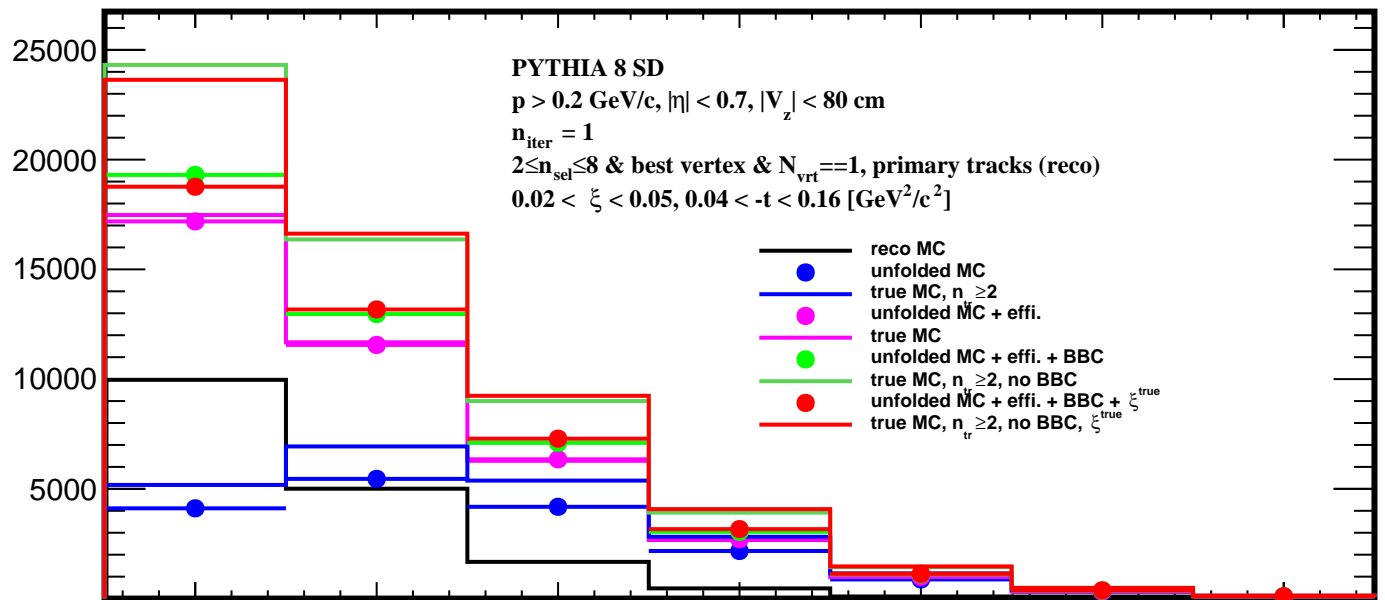
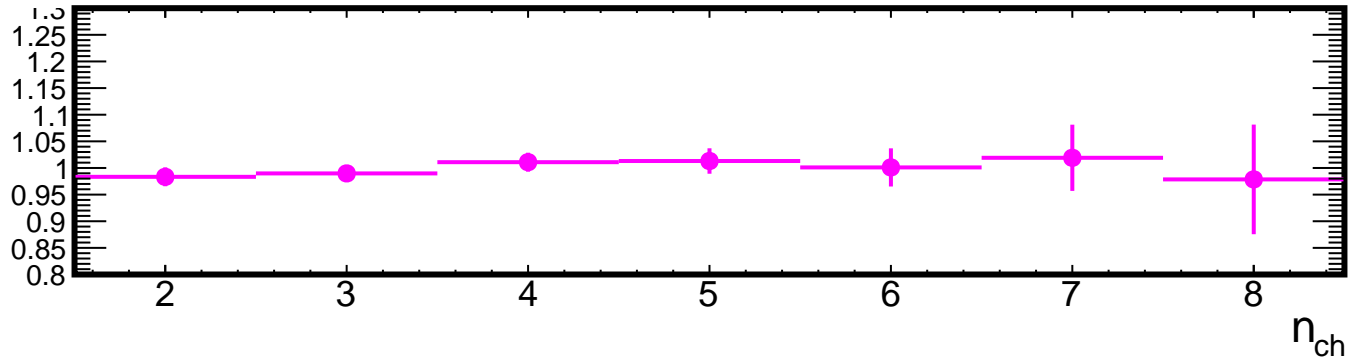


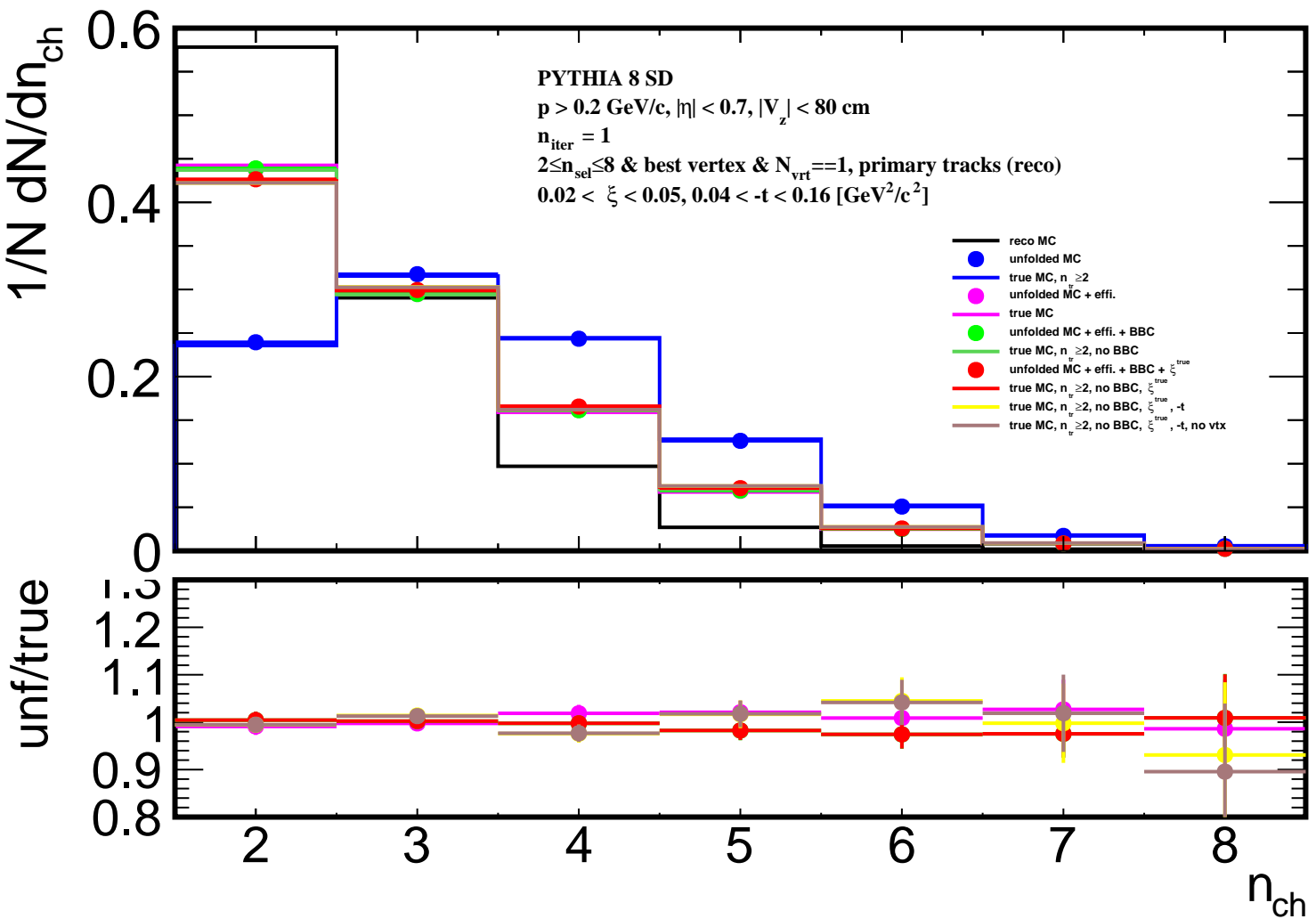


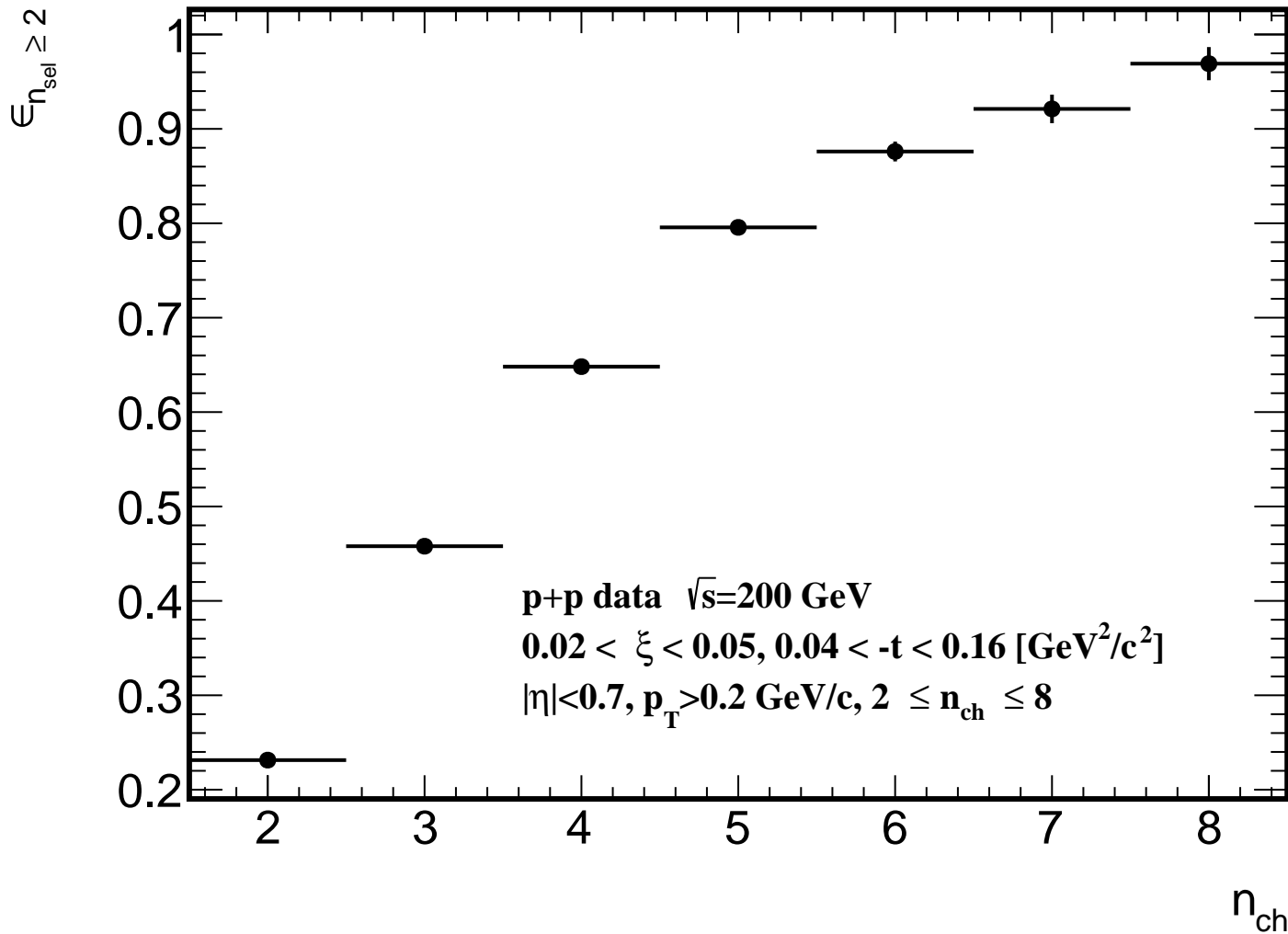


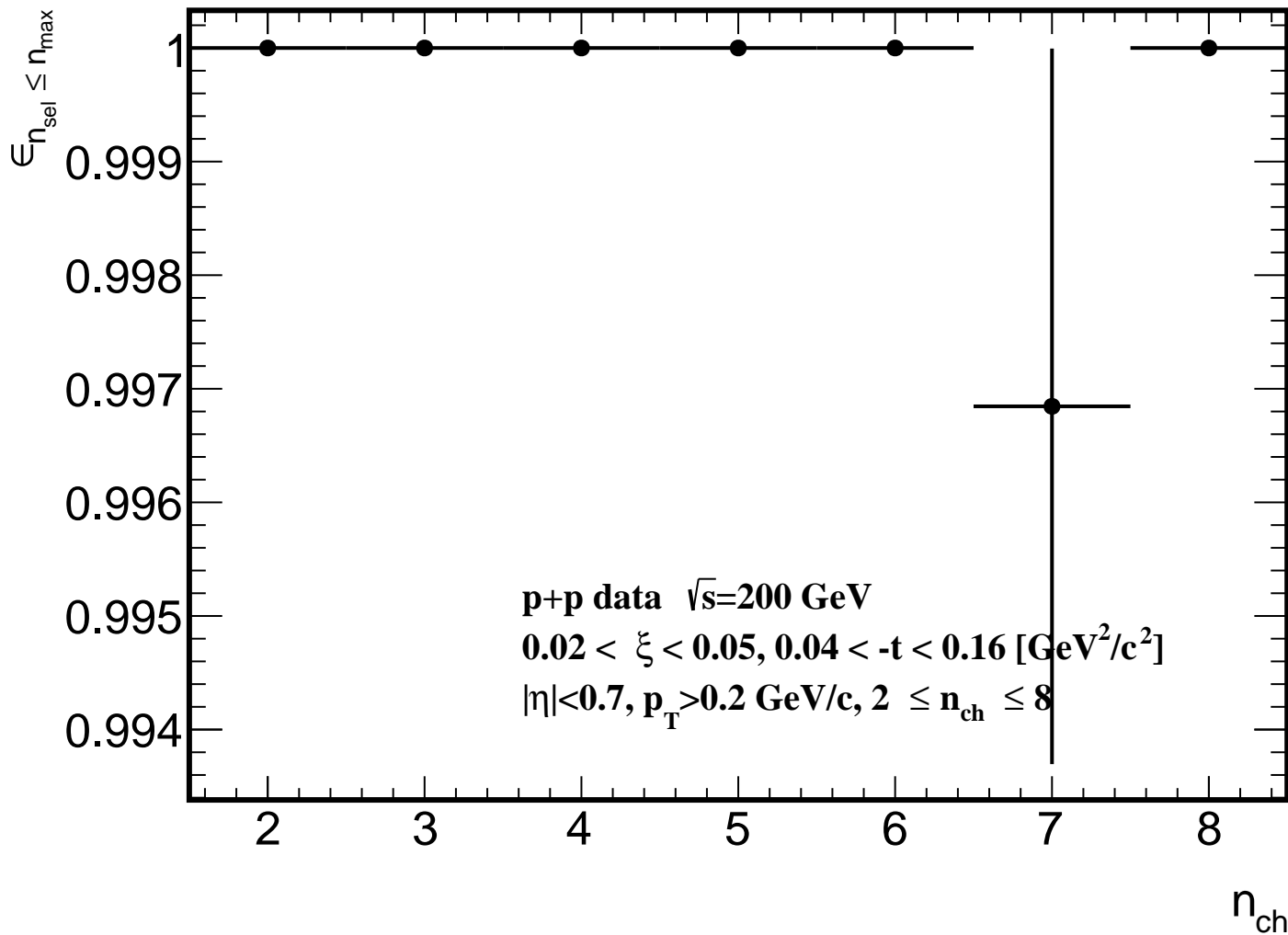


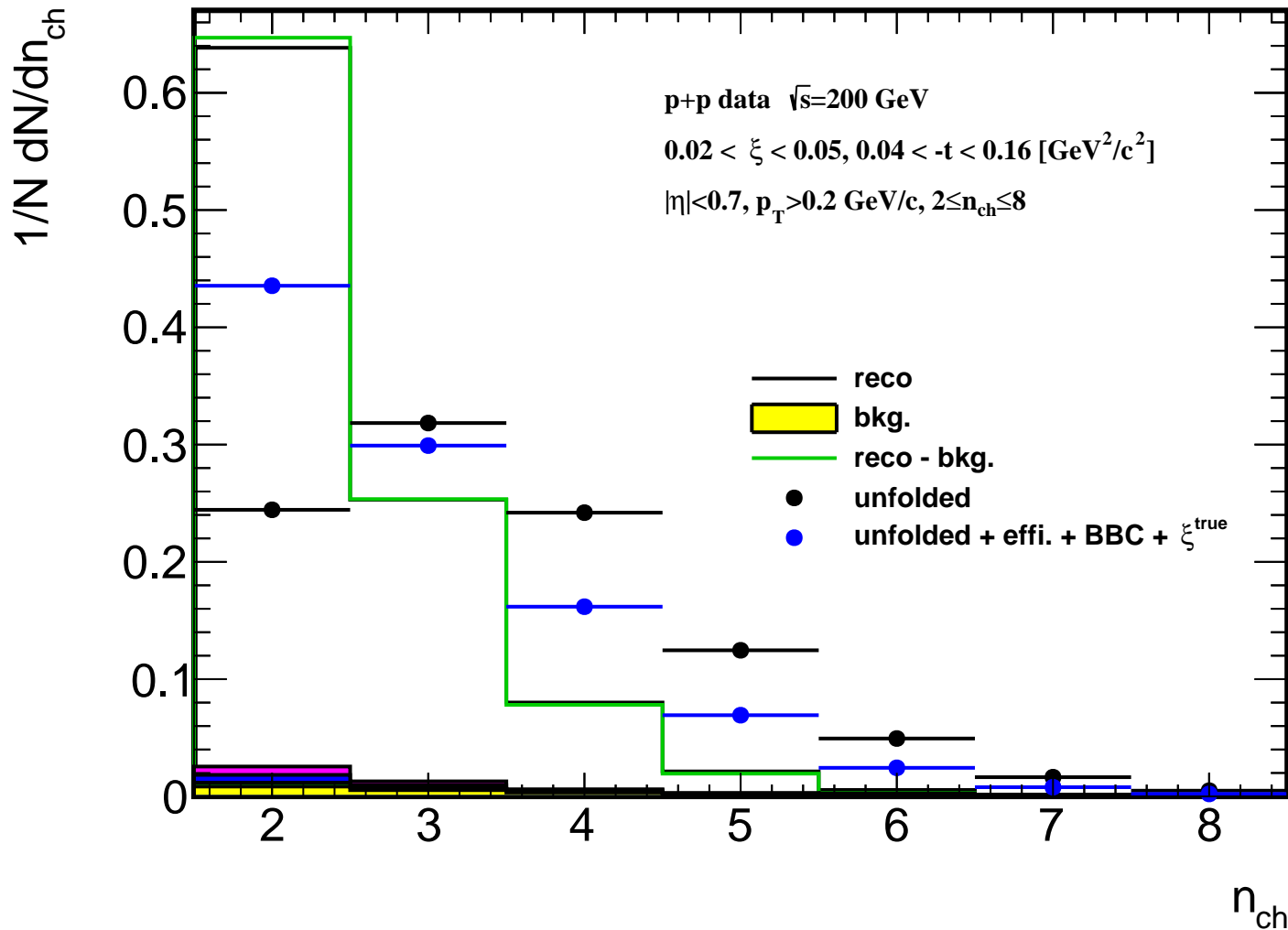


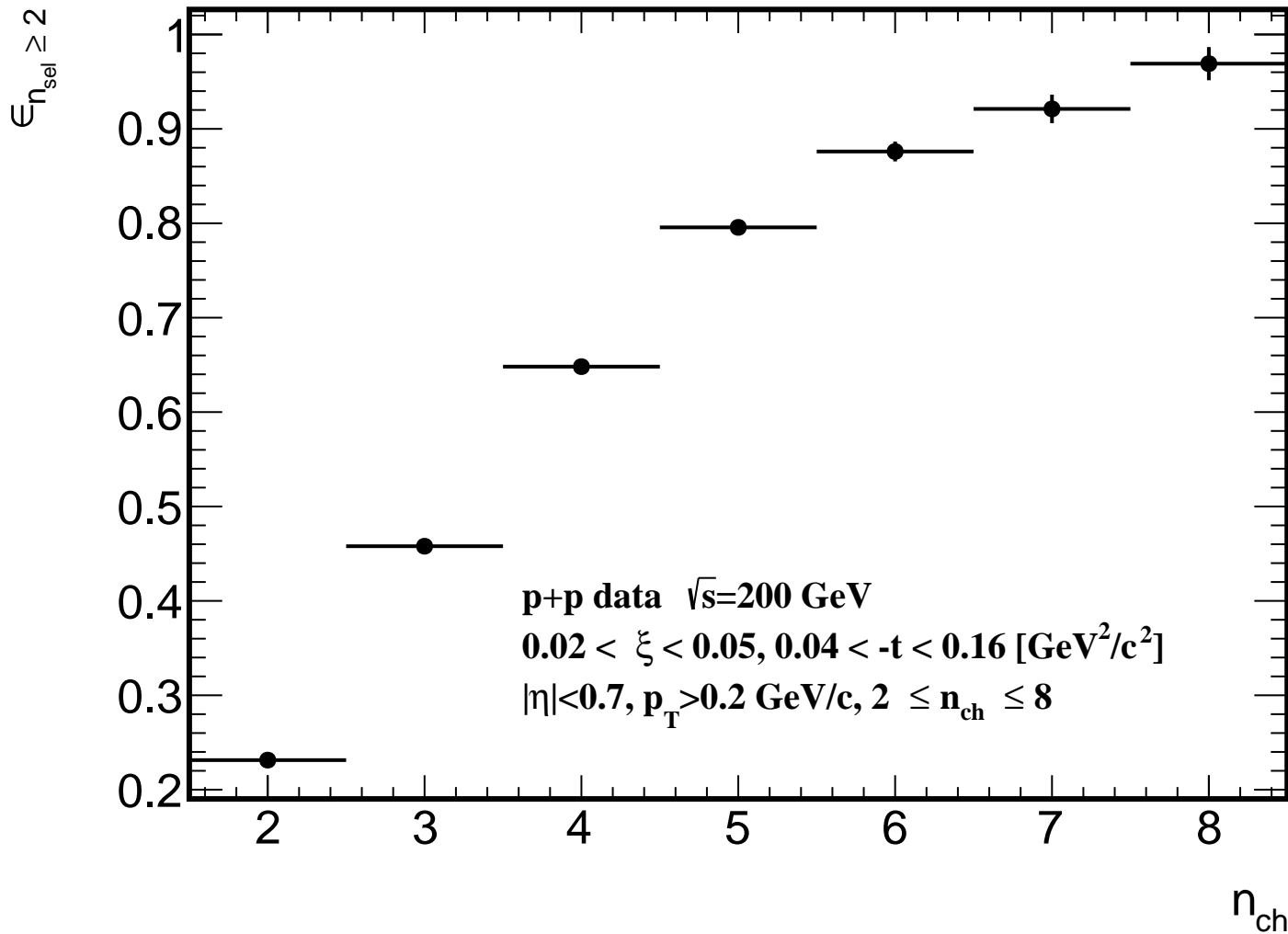
dN/dn_{ch}  $unf/true$ 

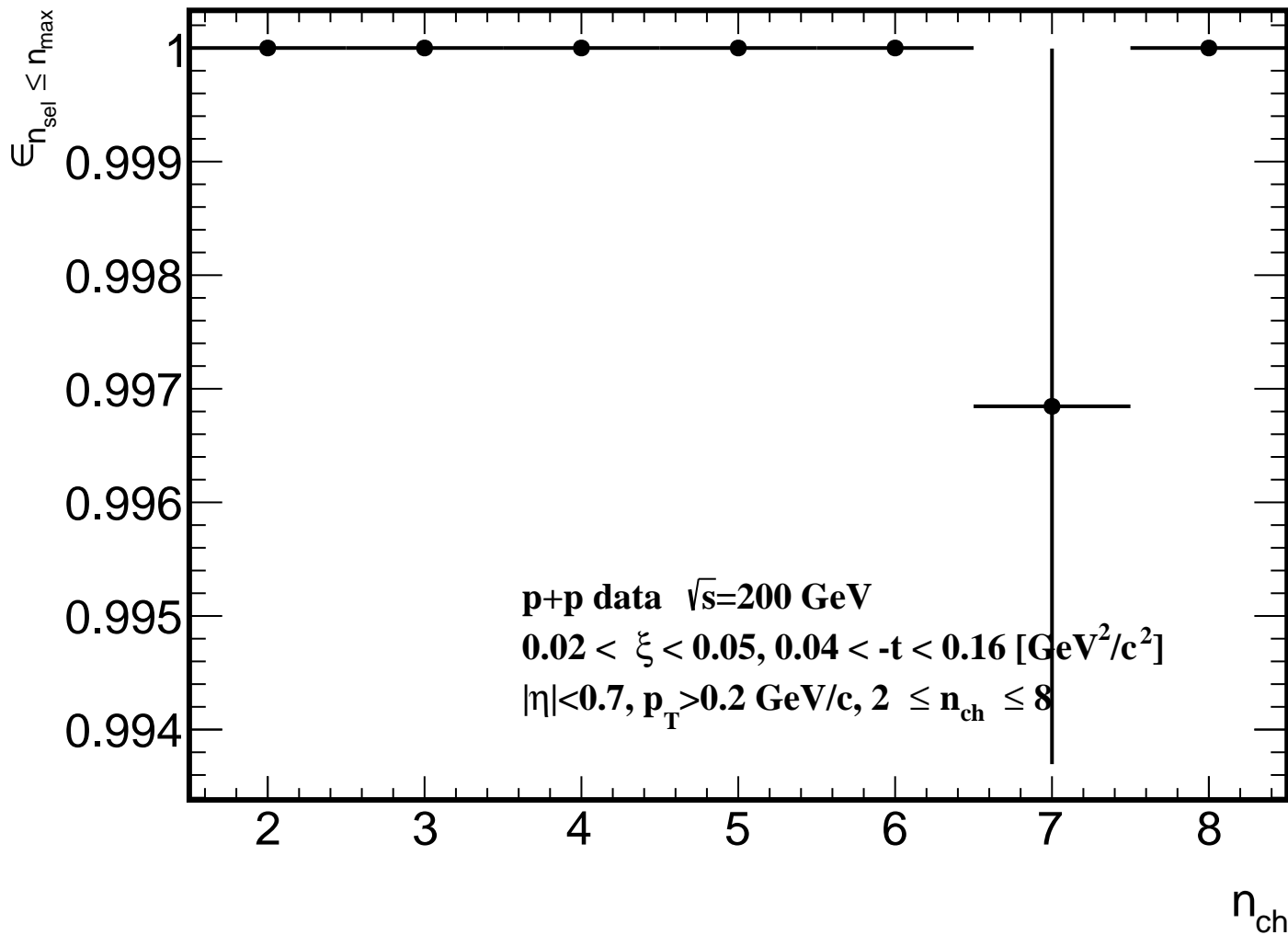


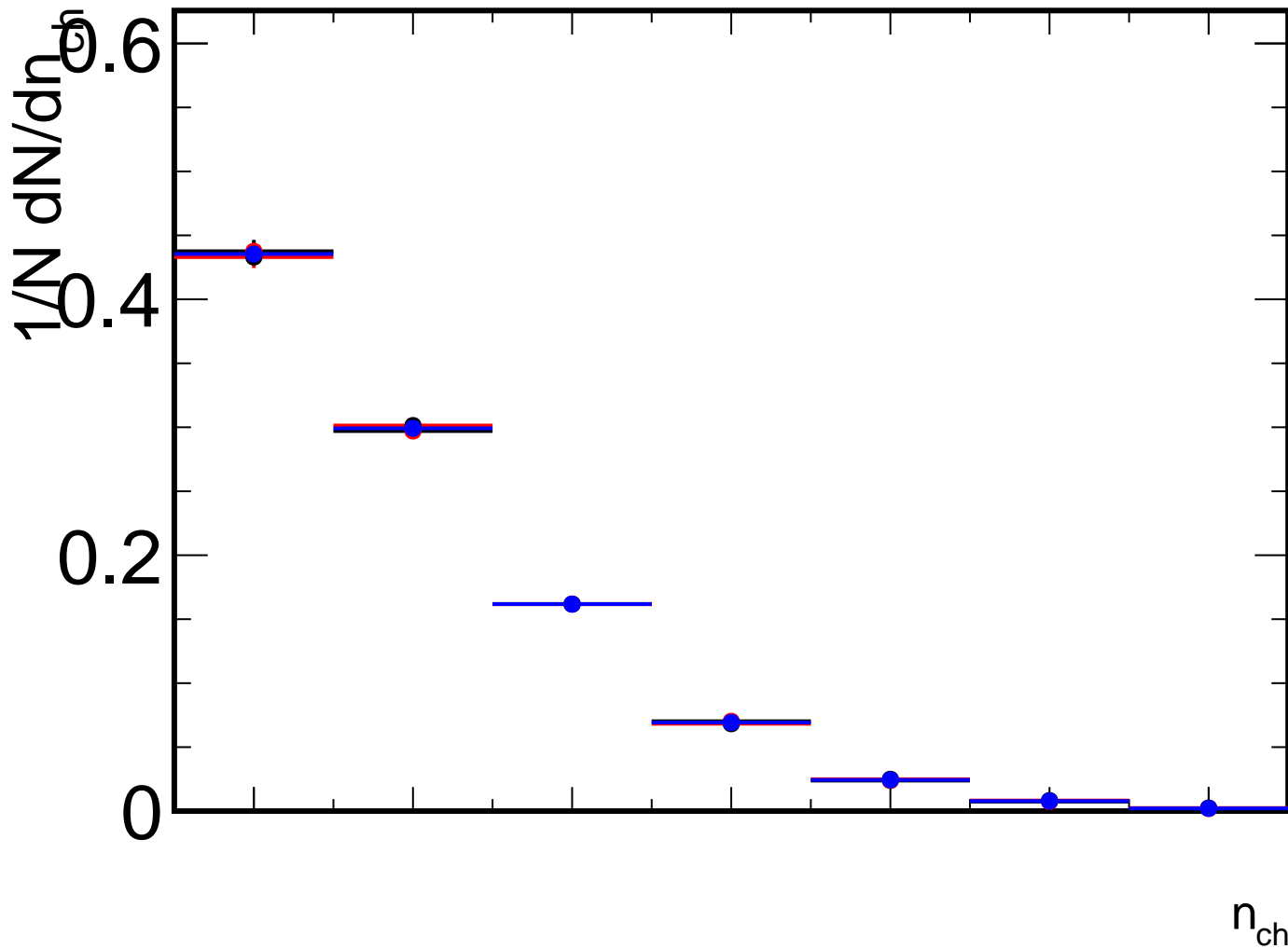


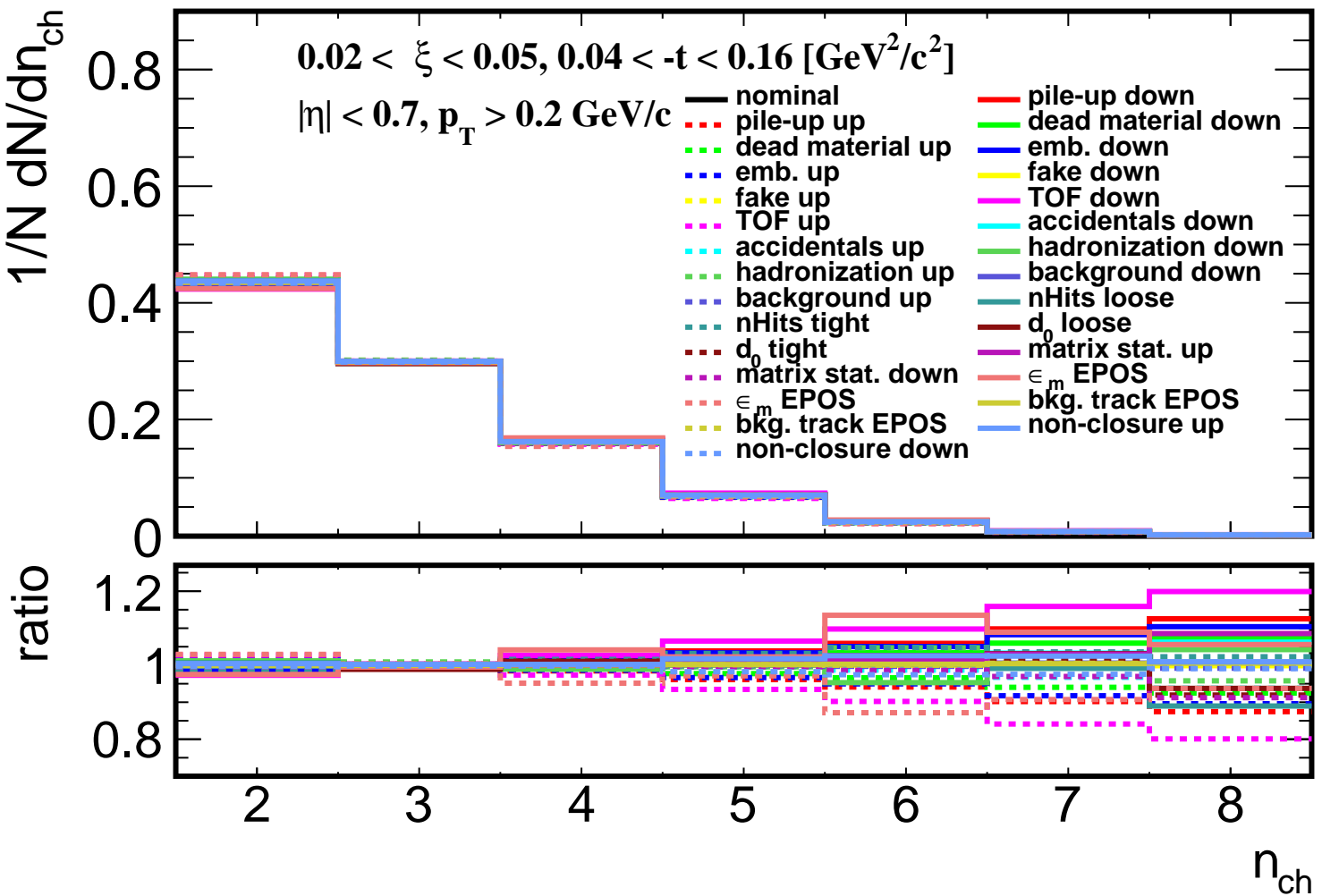


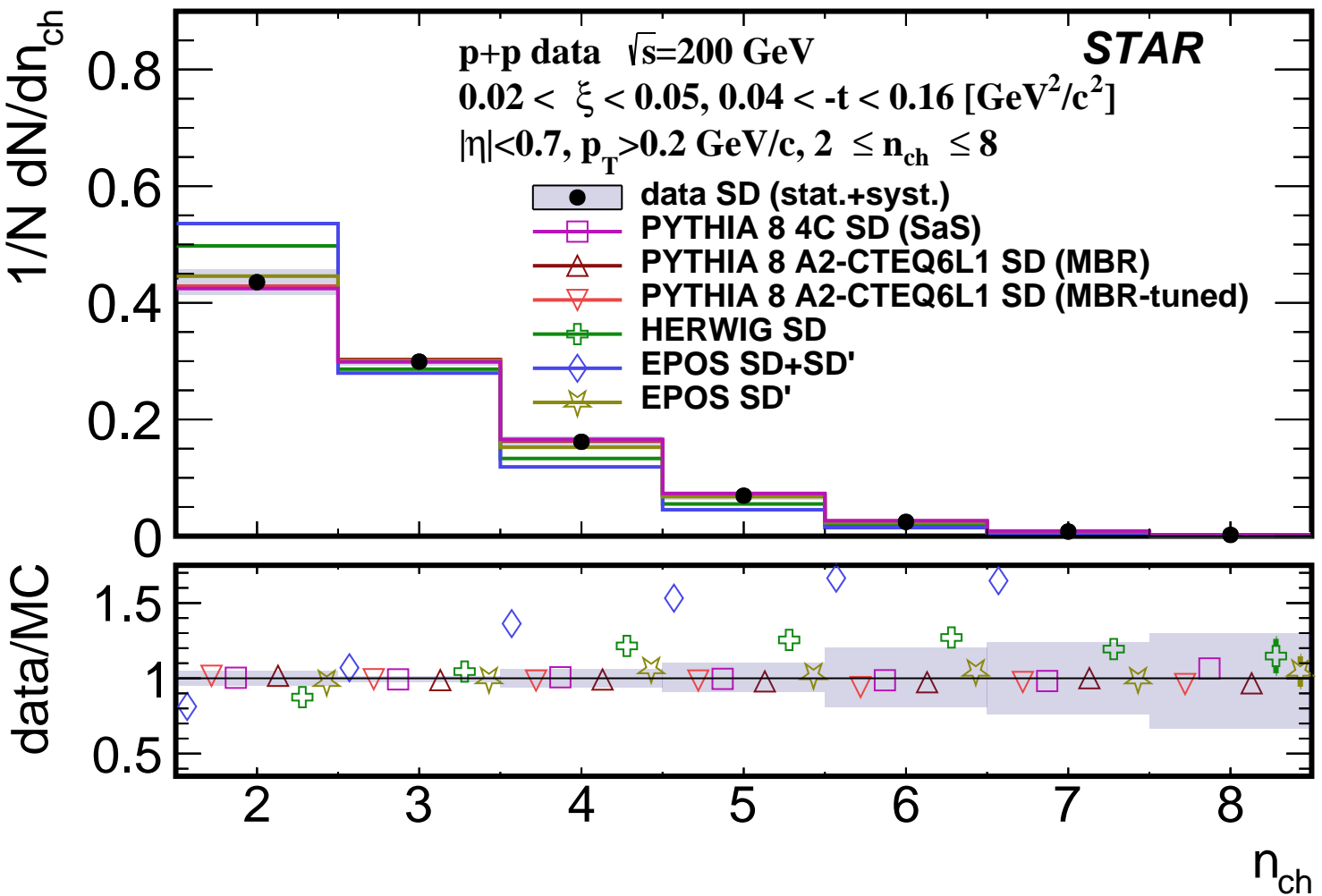


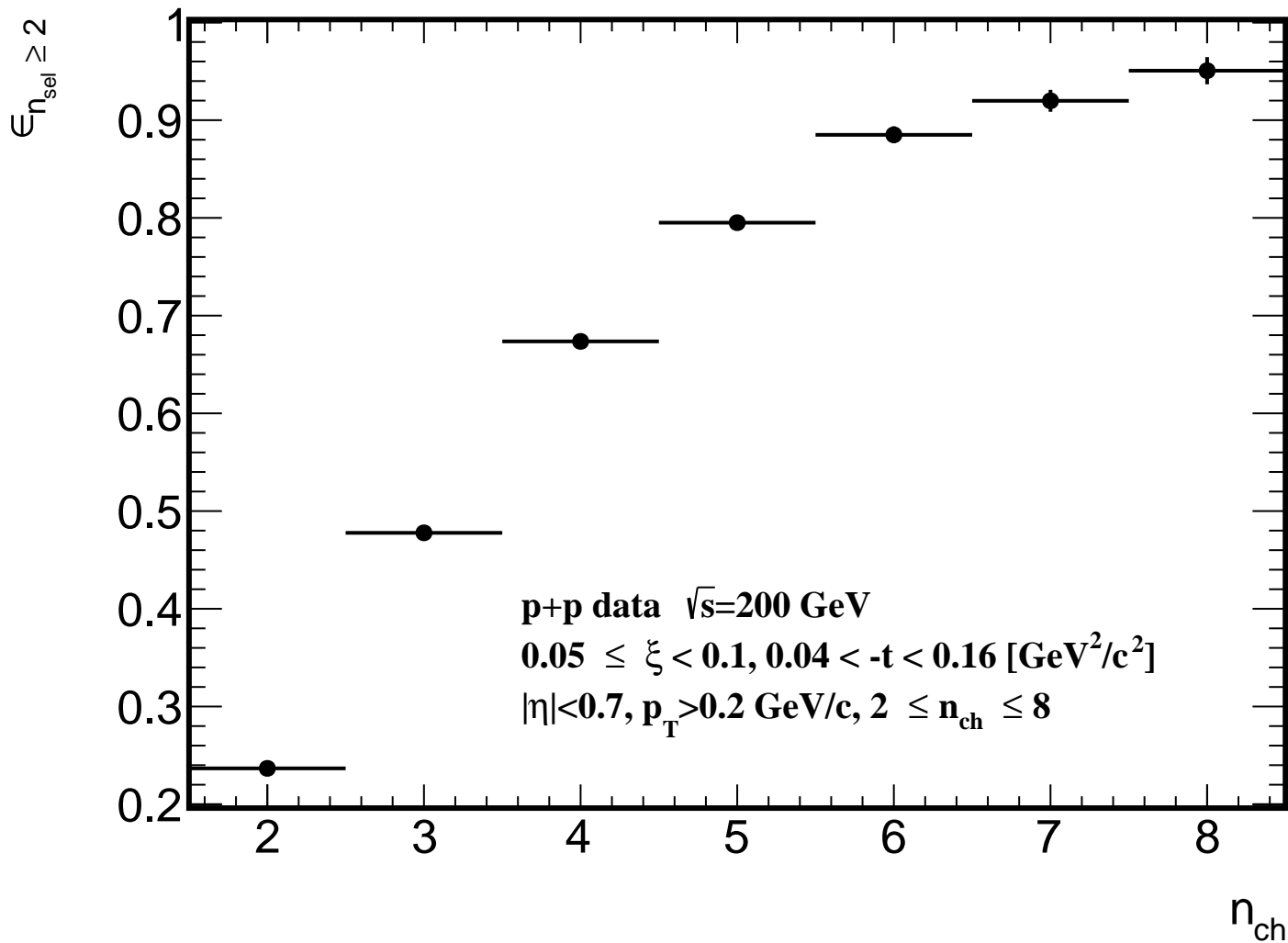


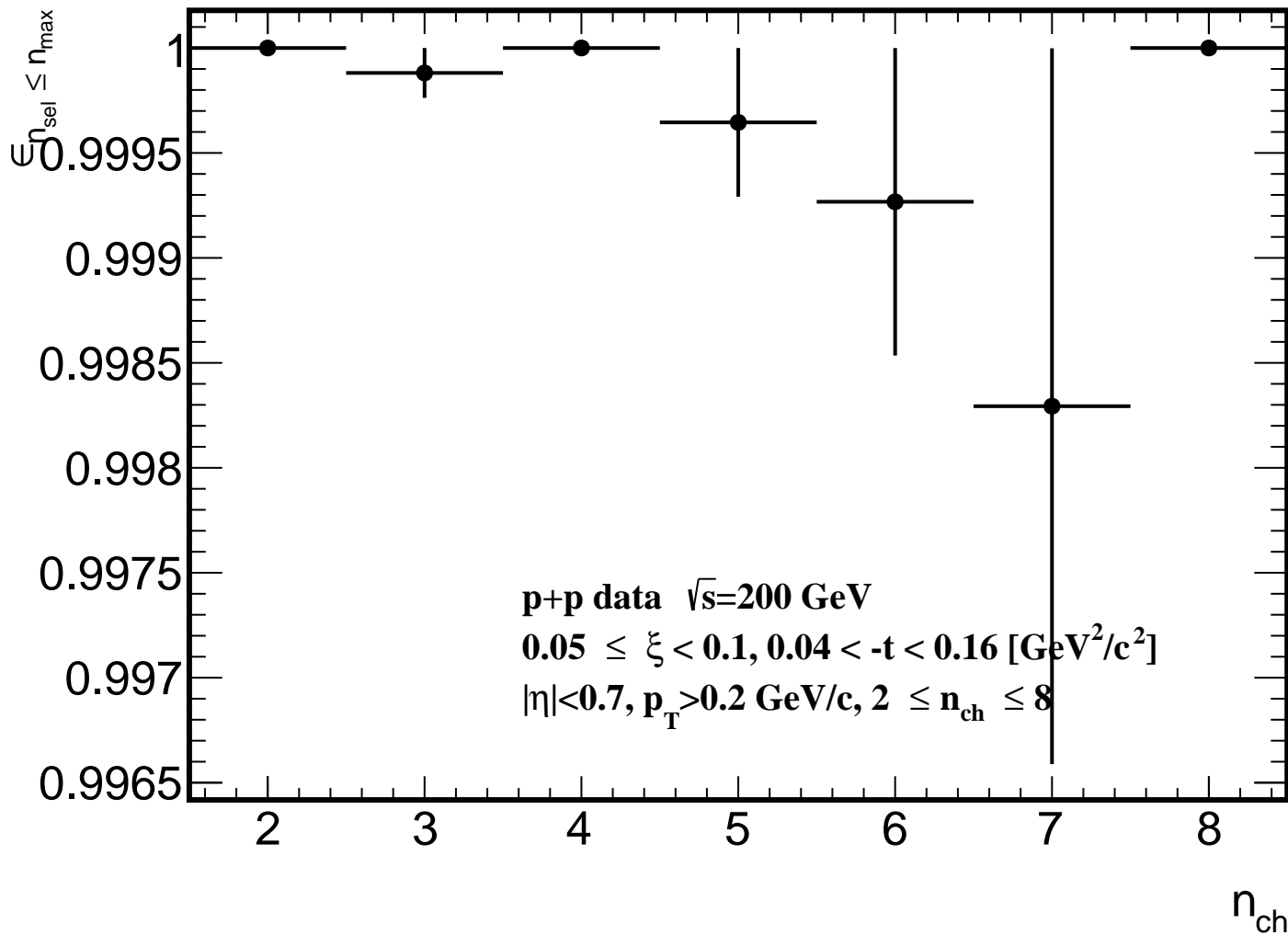


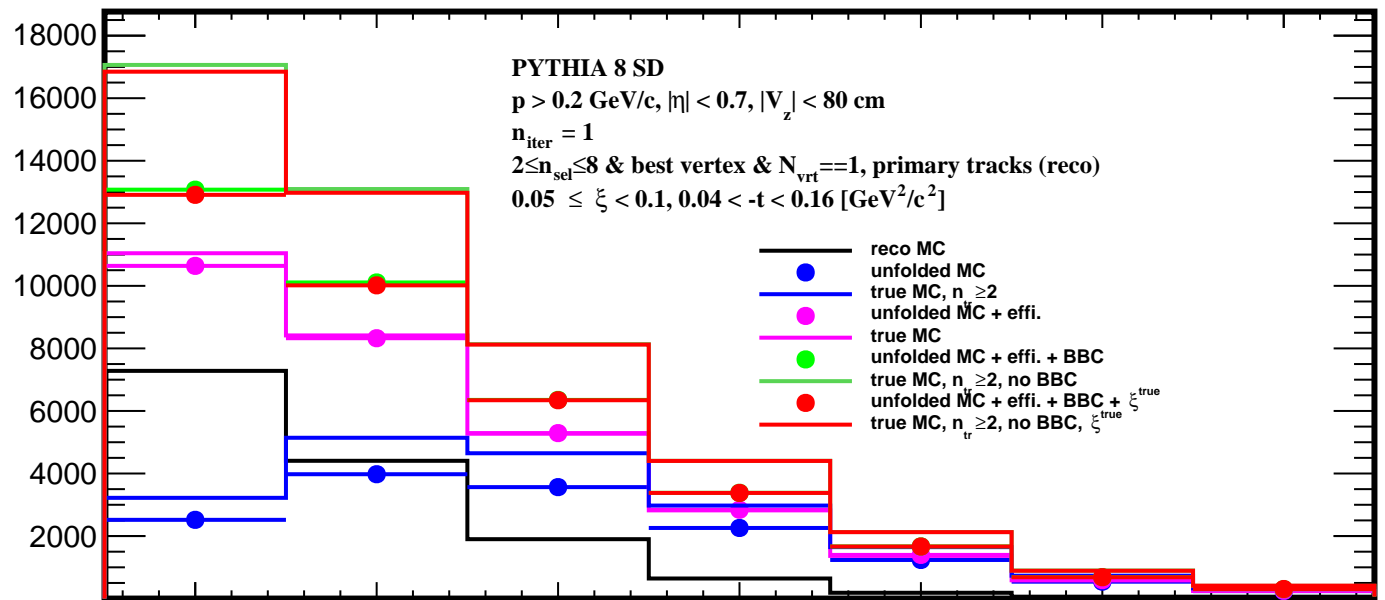




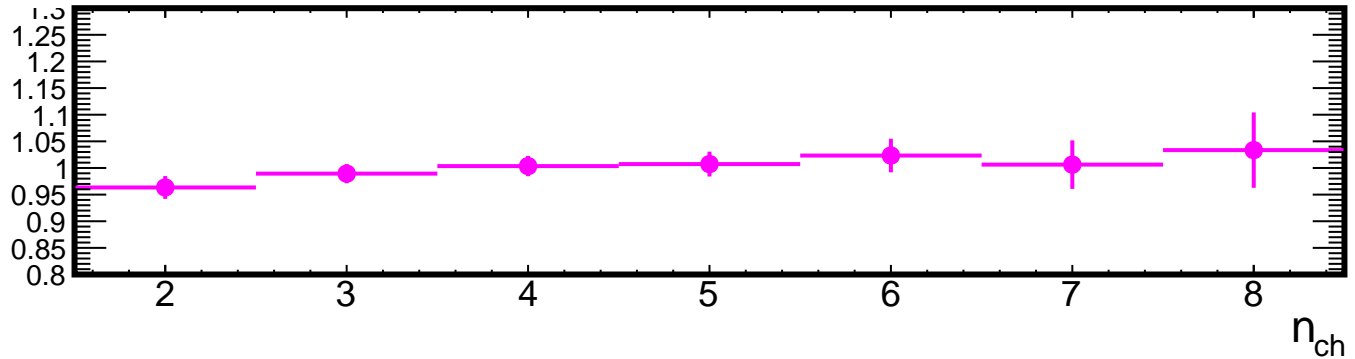


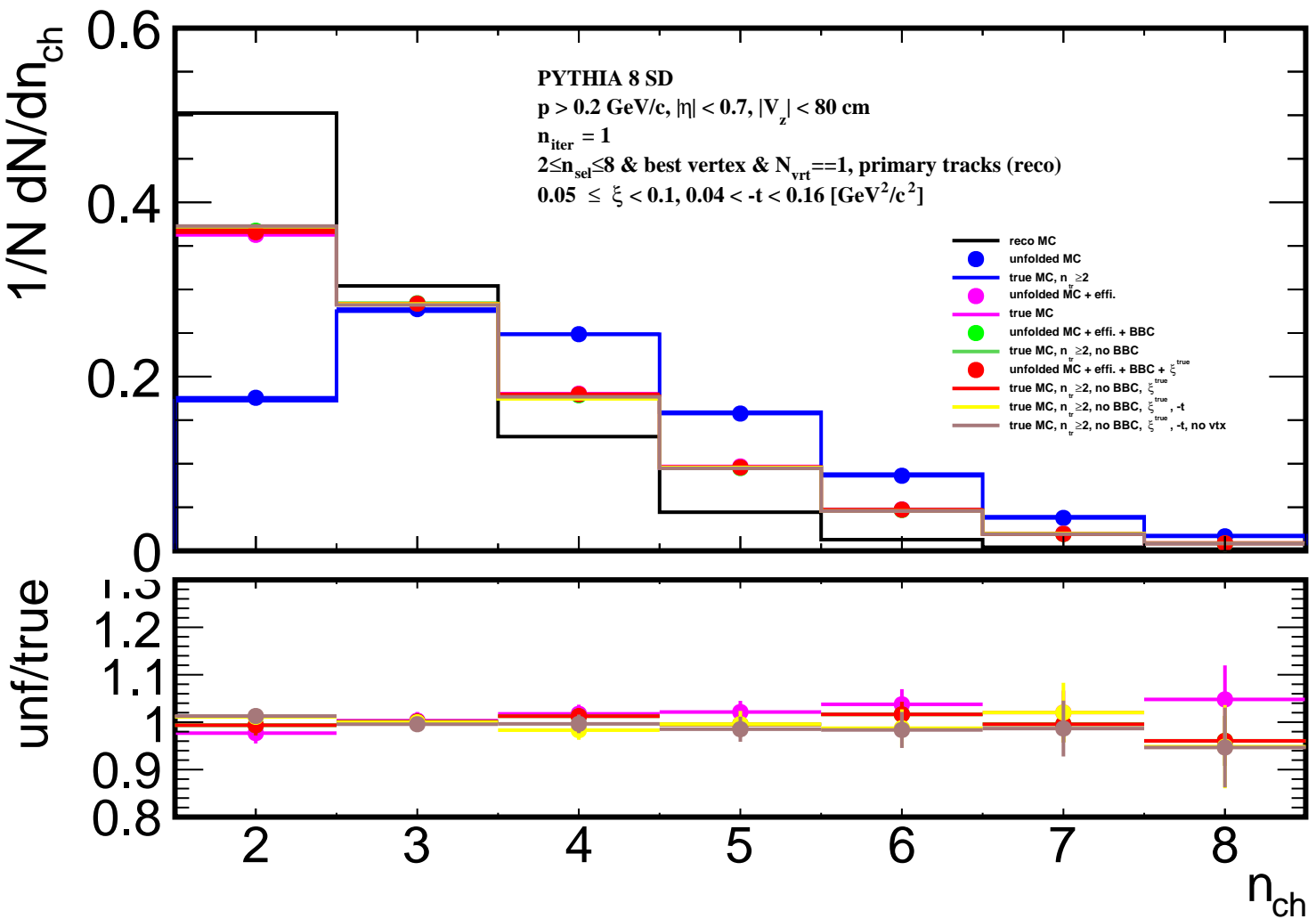


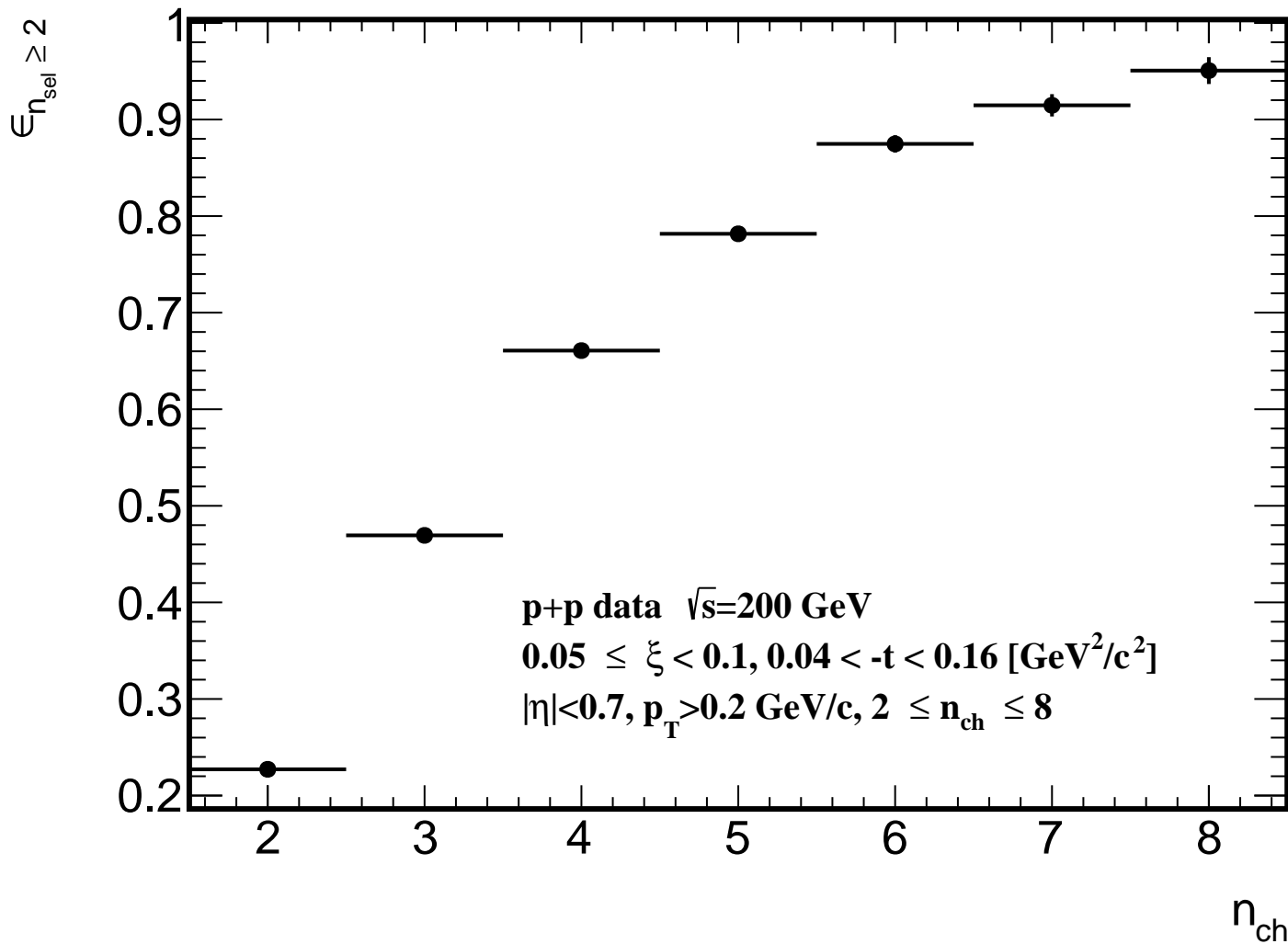


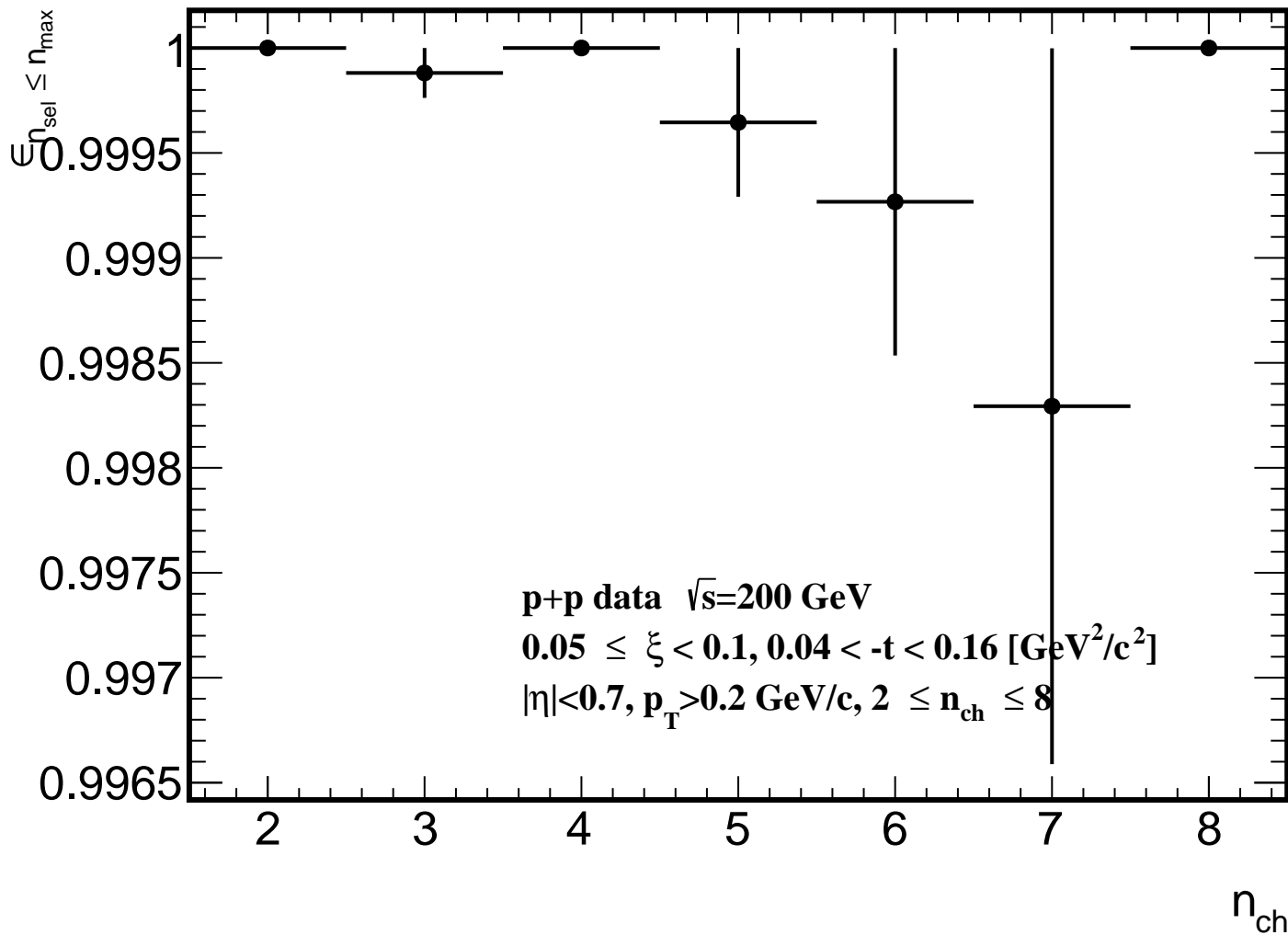
dN/dn_{ch} 

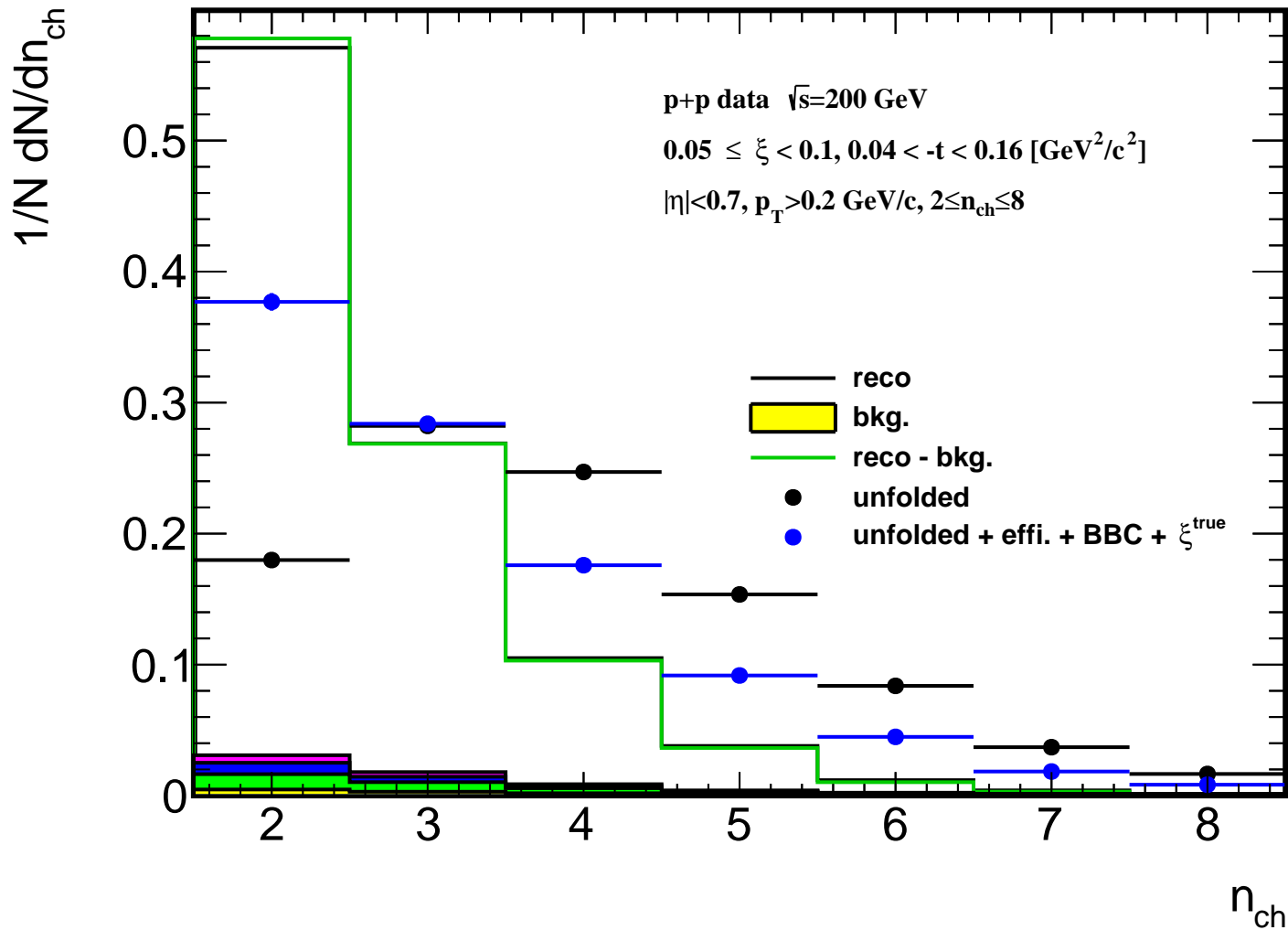
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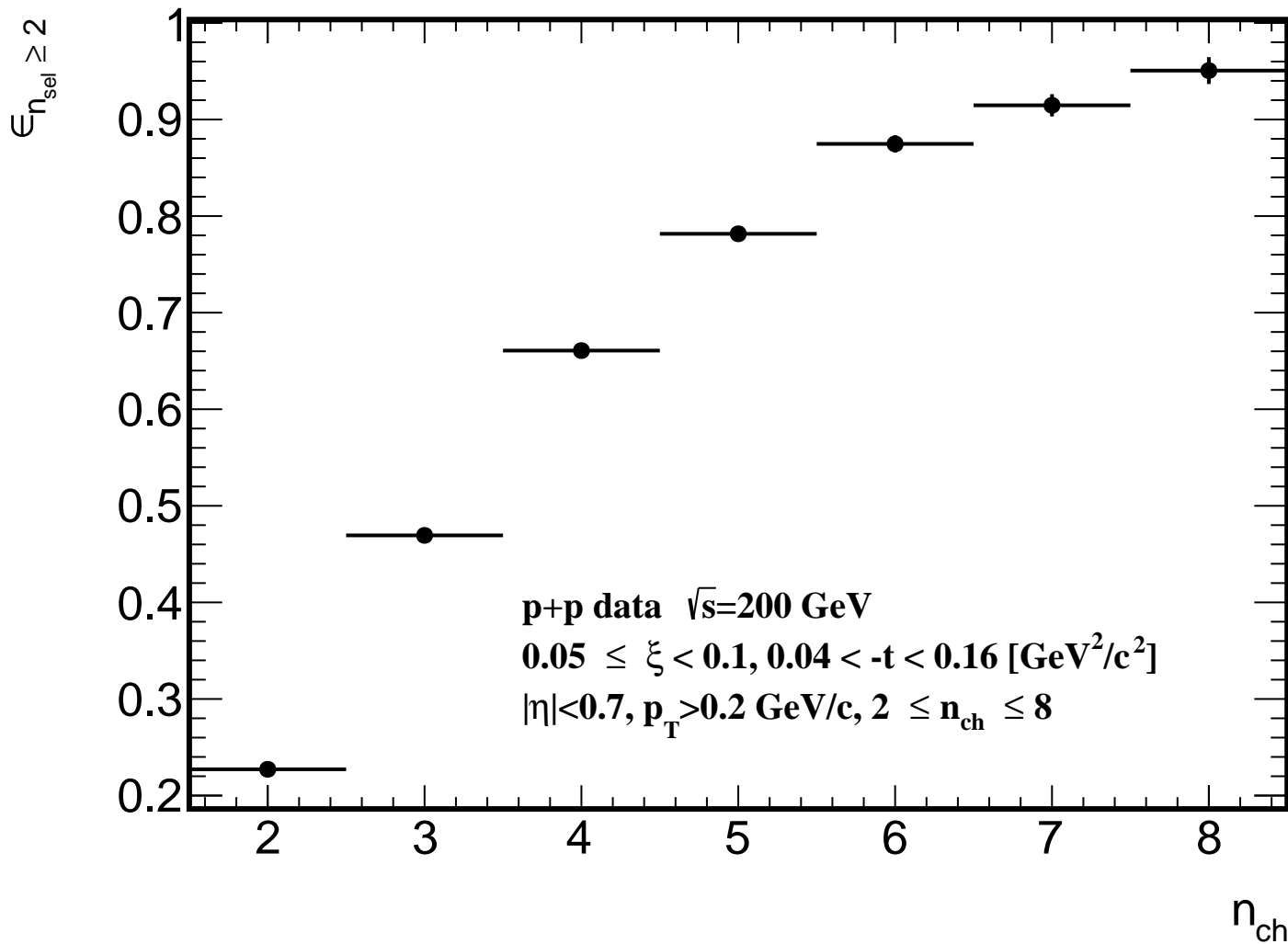


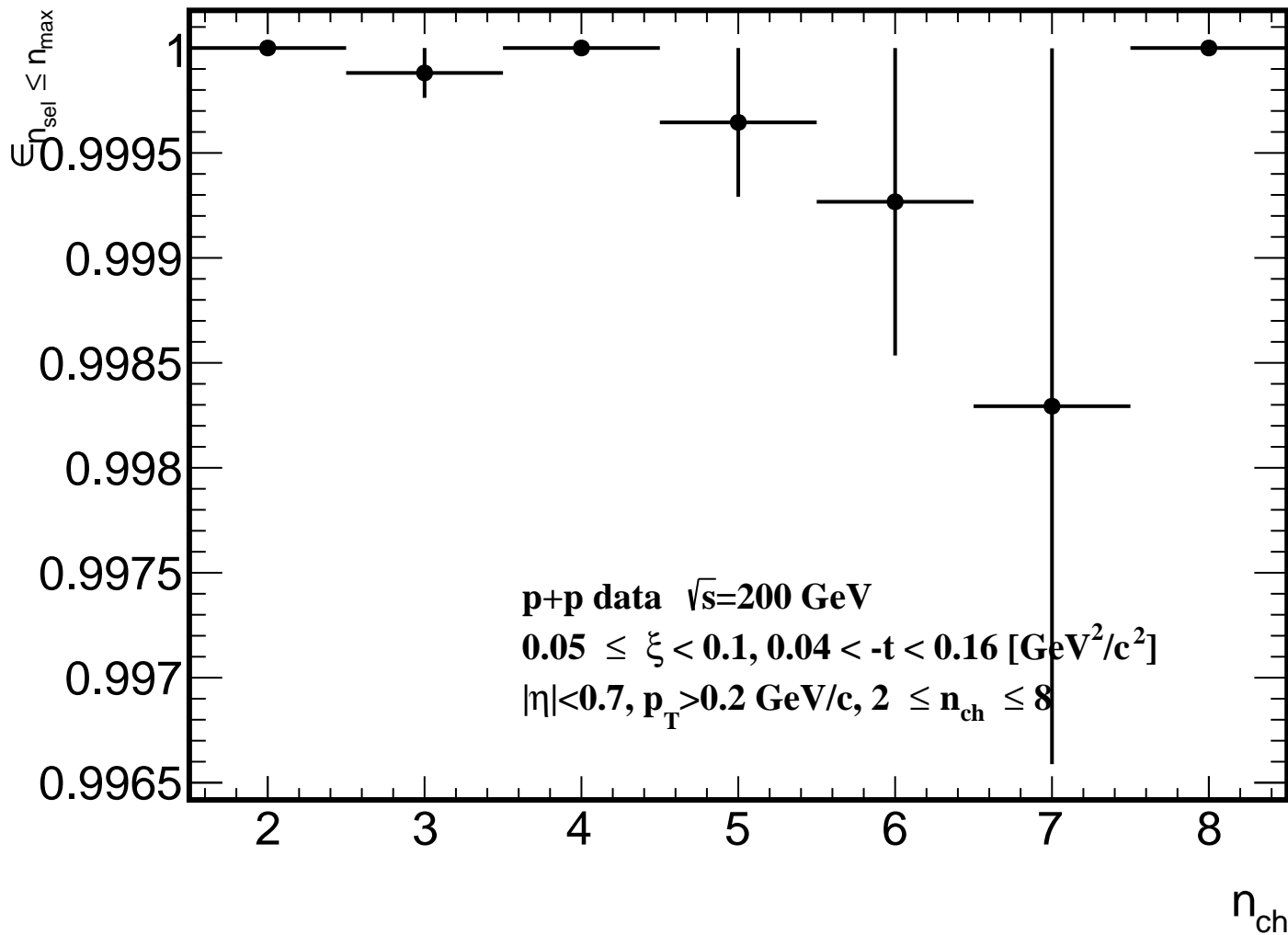


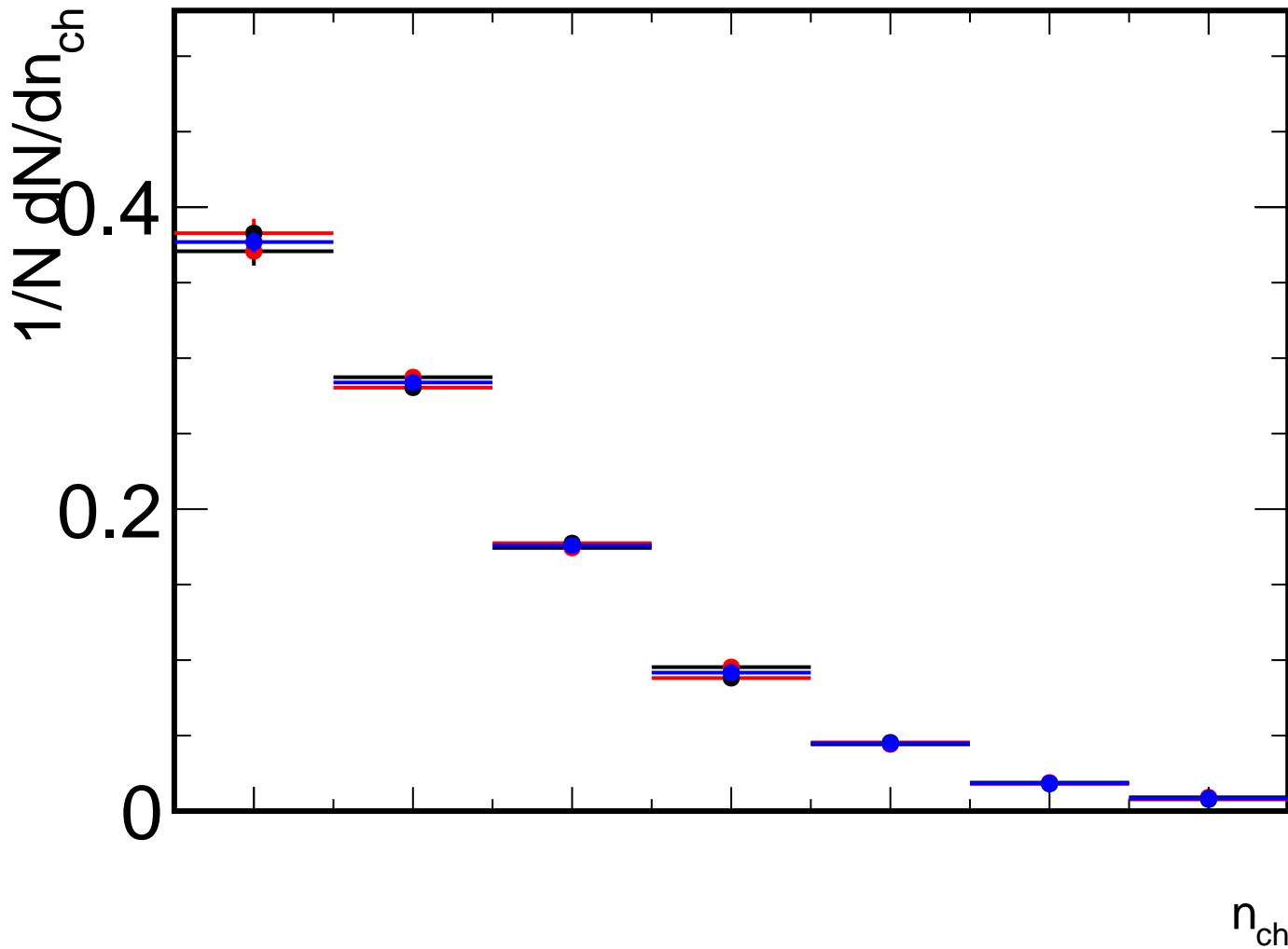


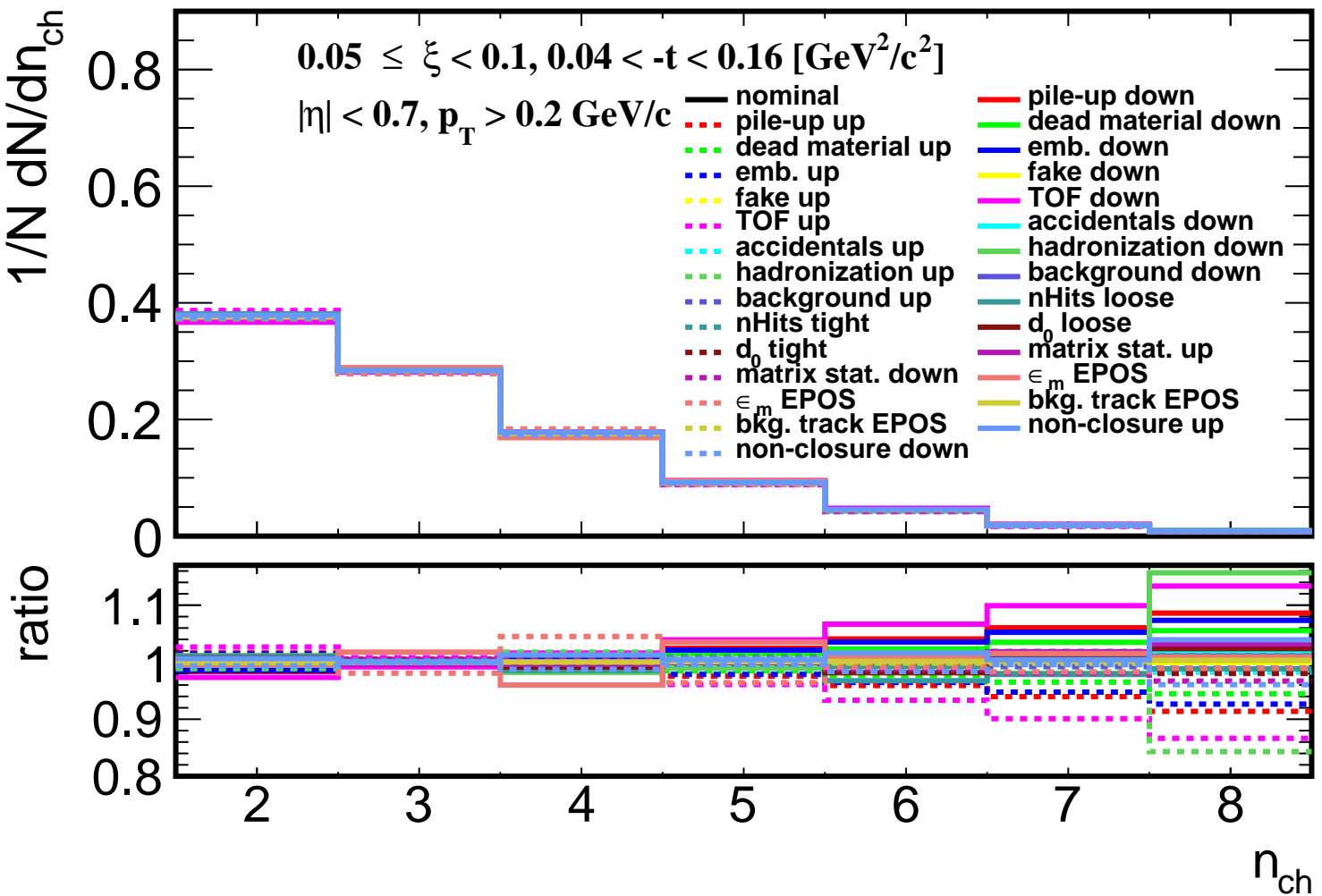


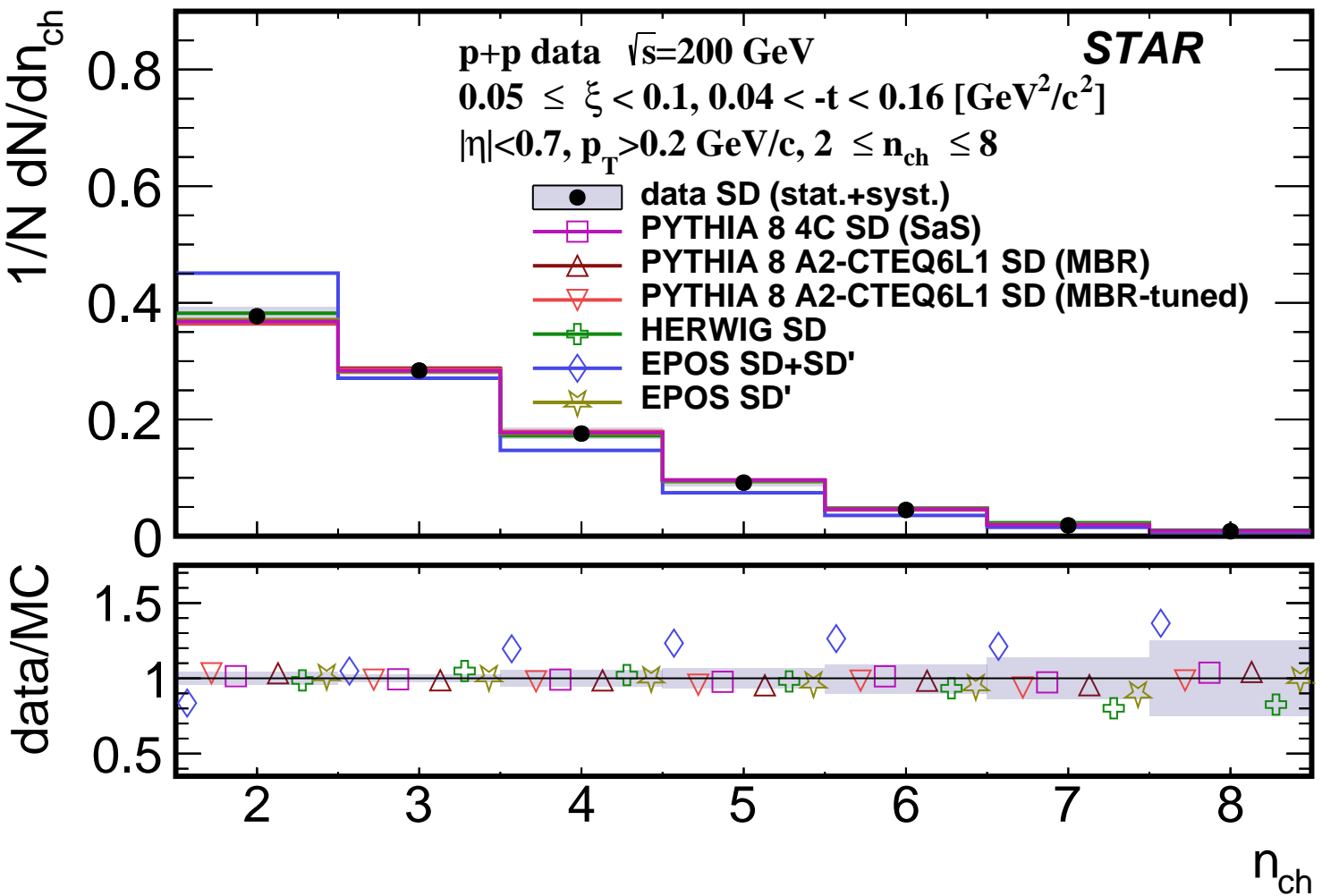


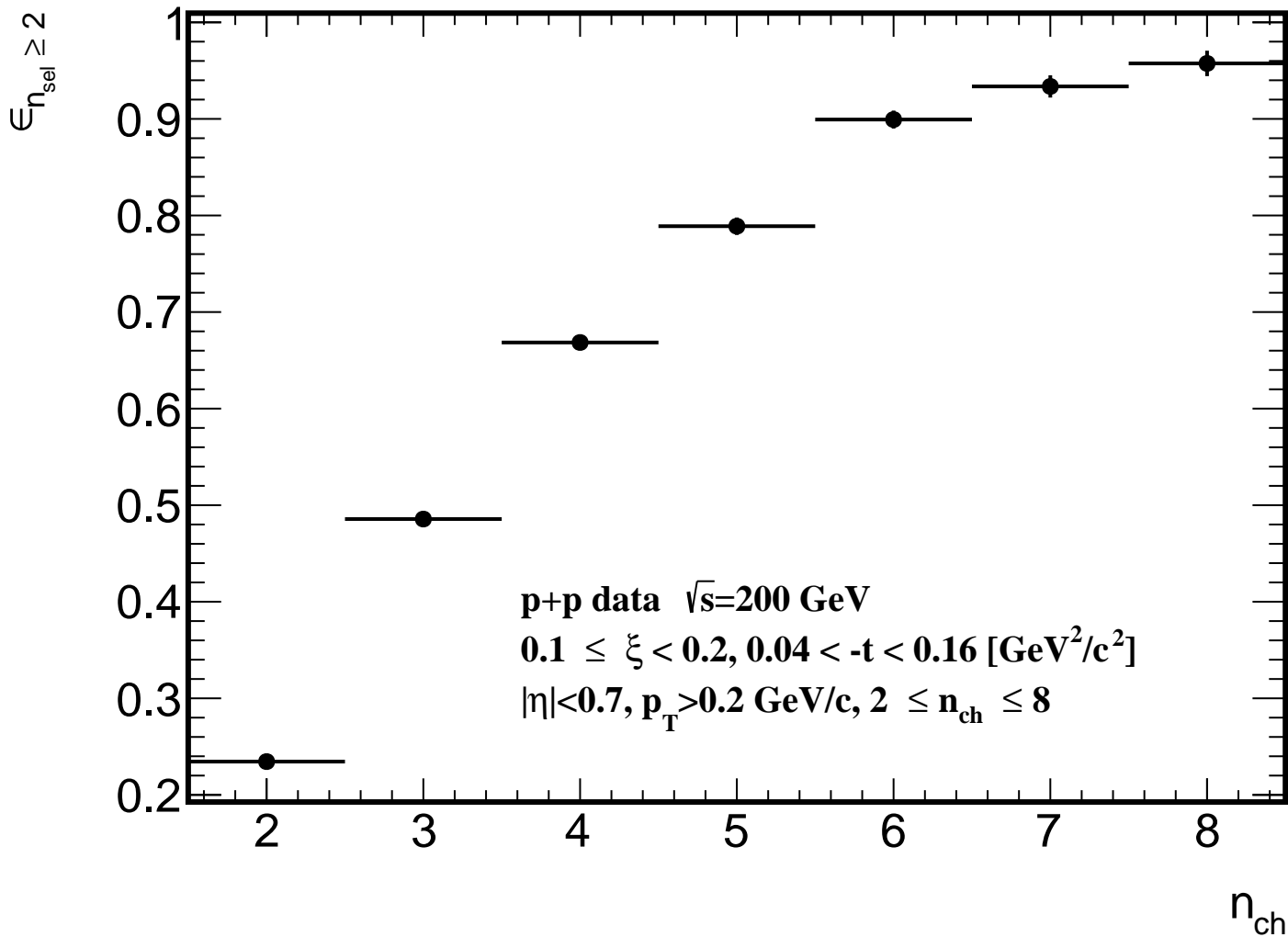


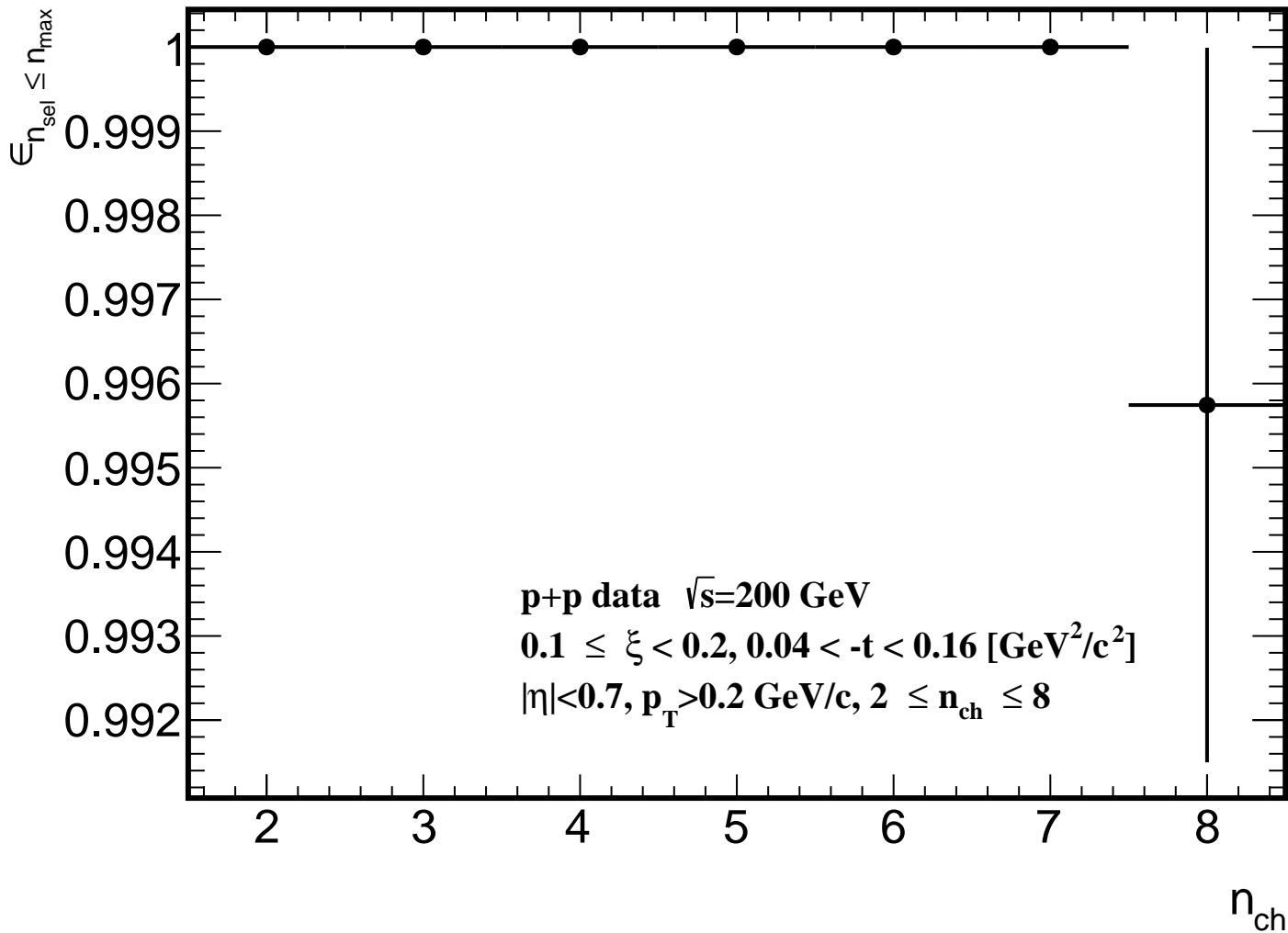


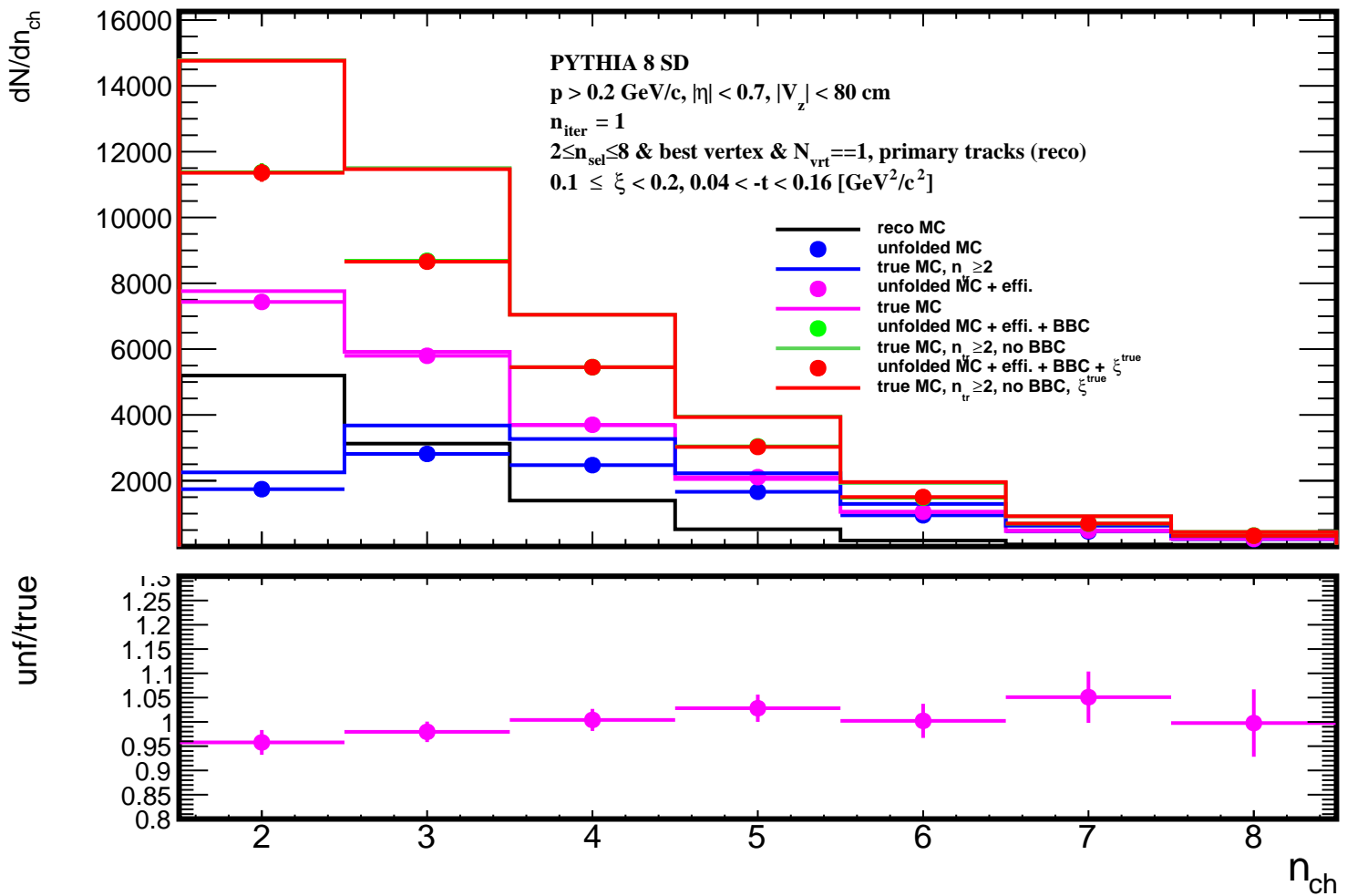


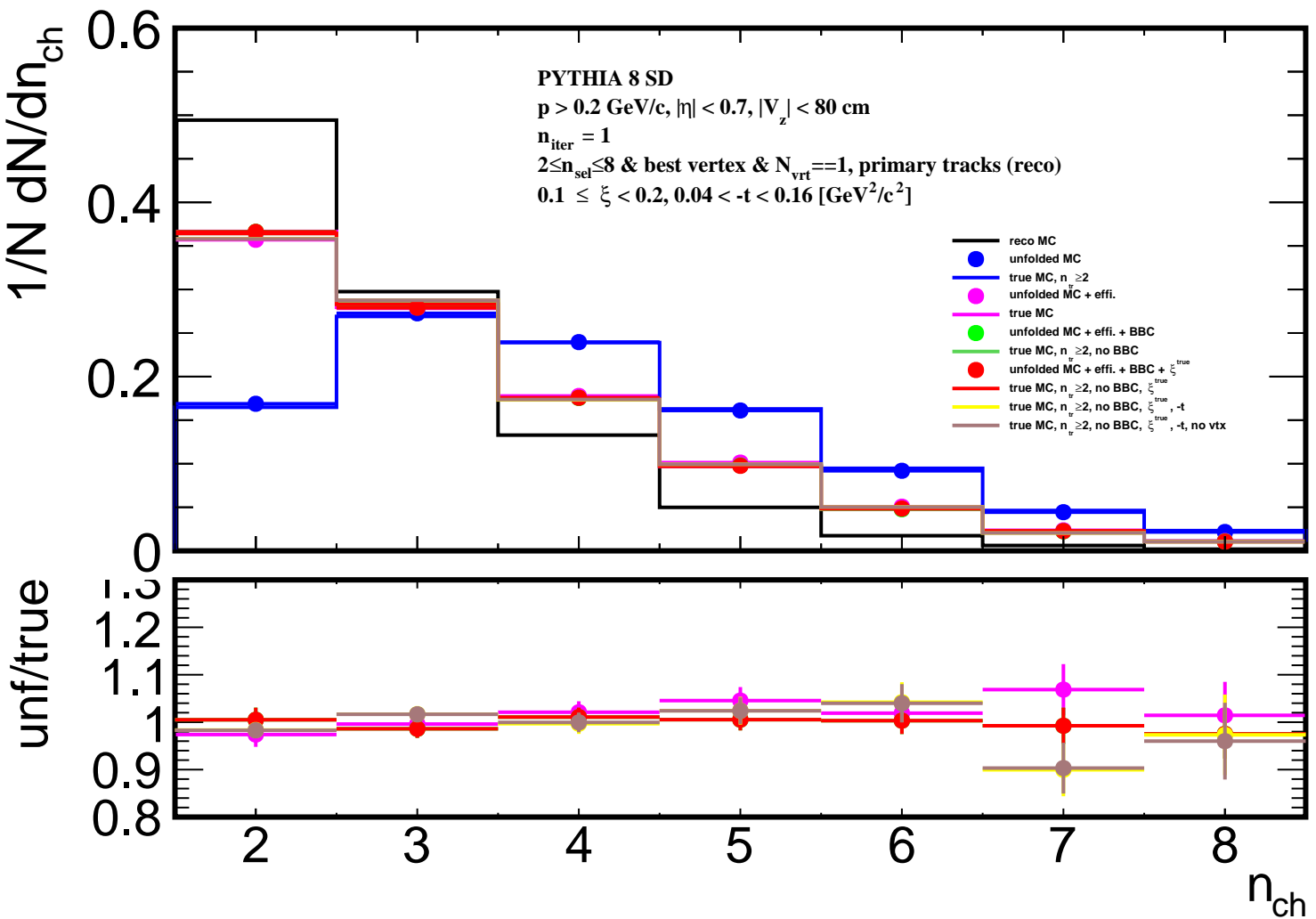


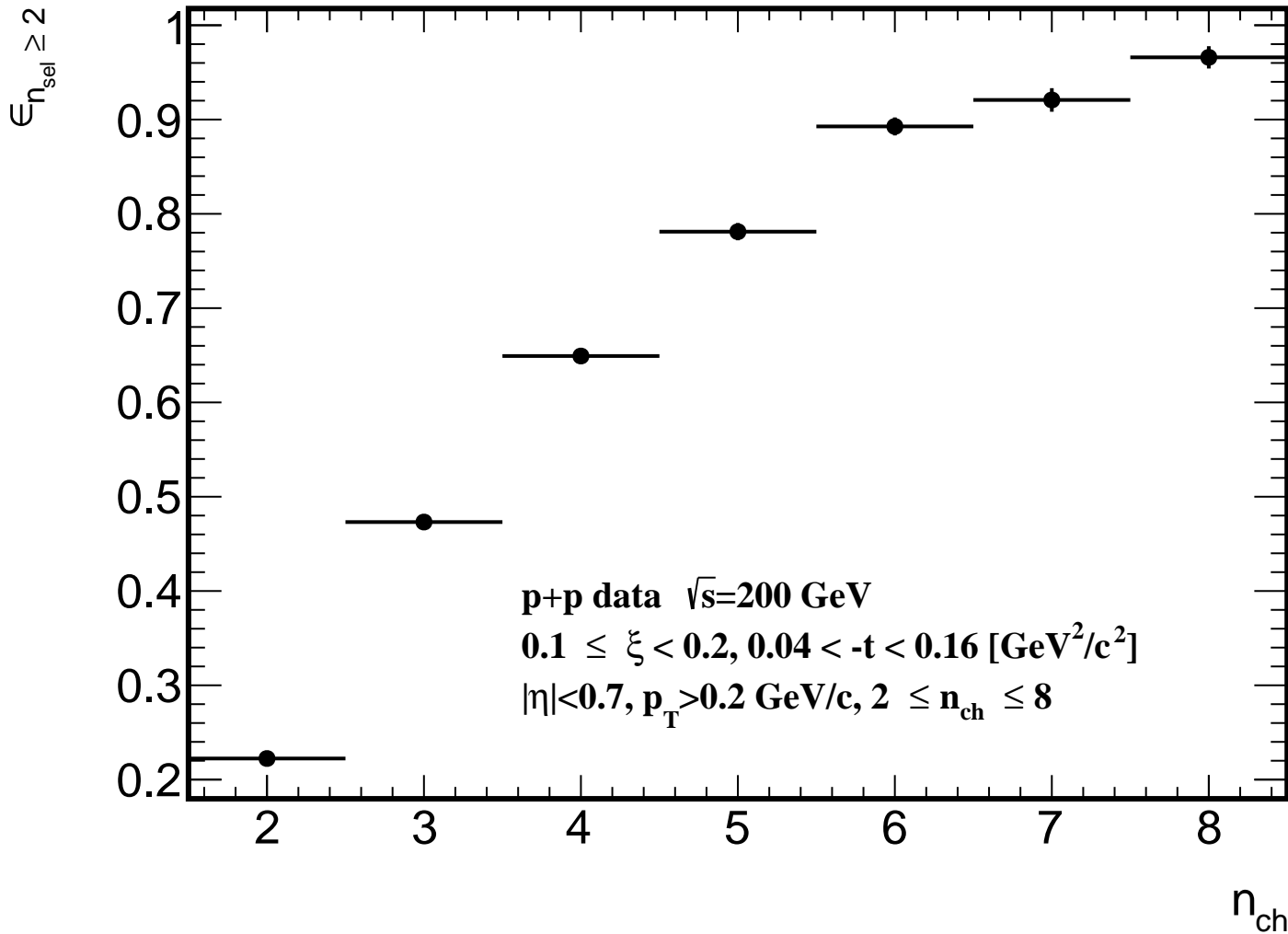


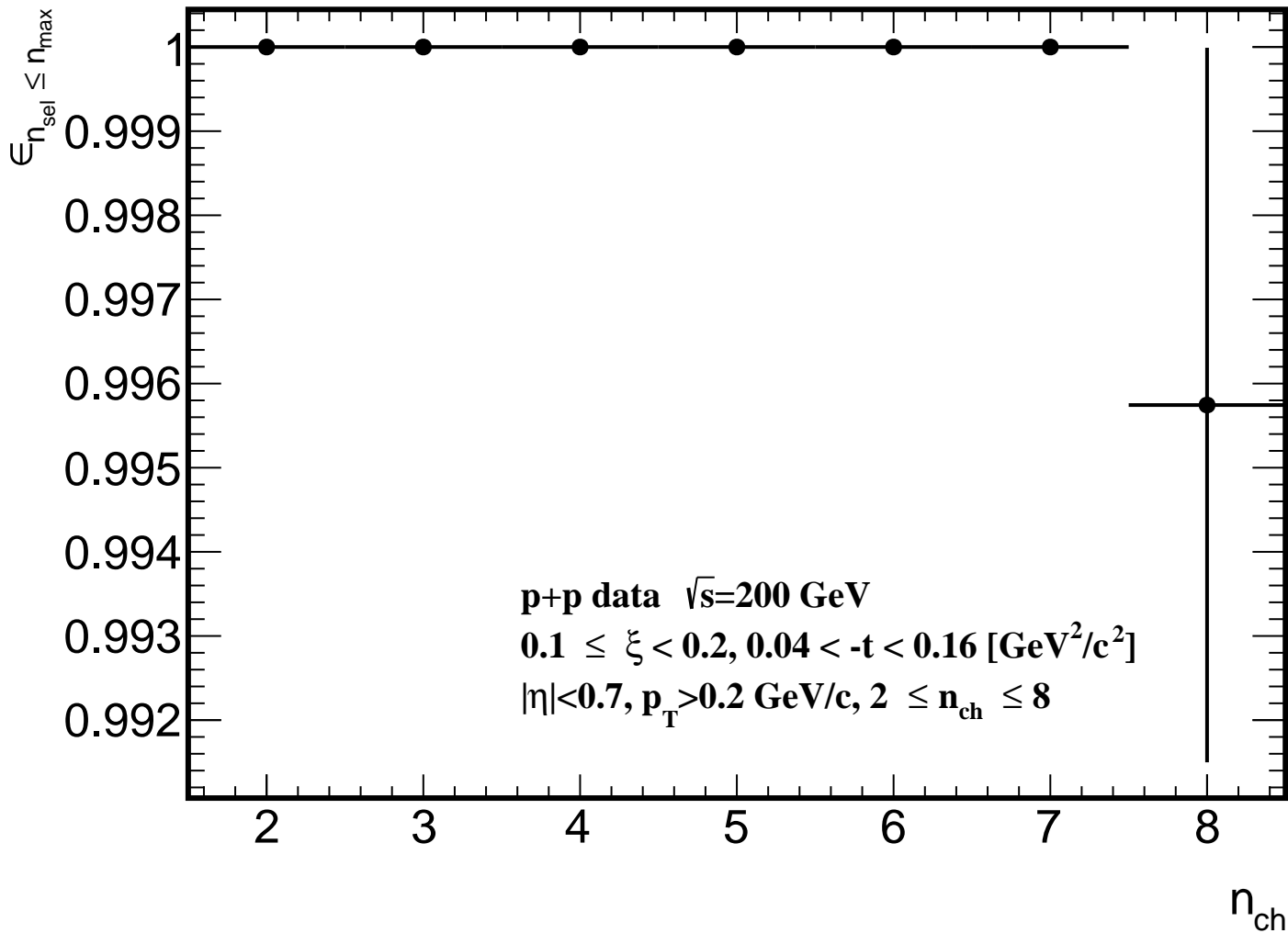


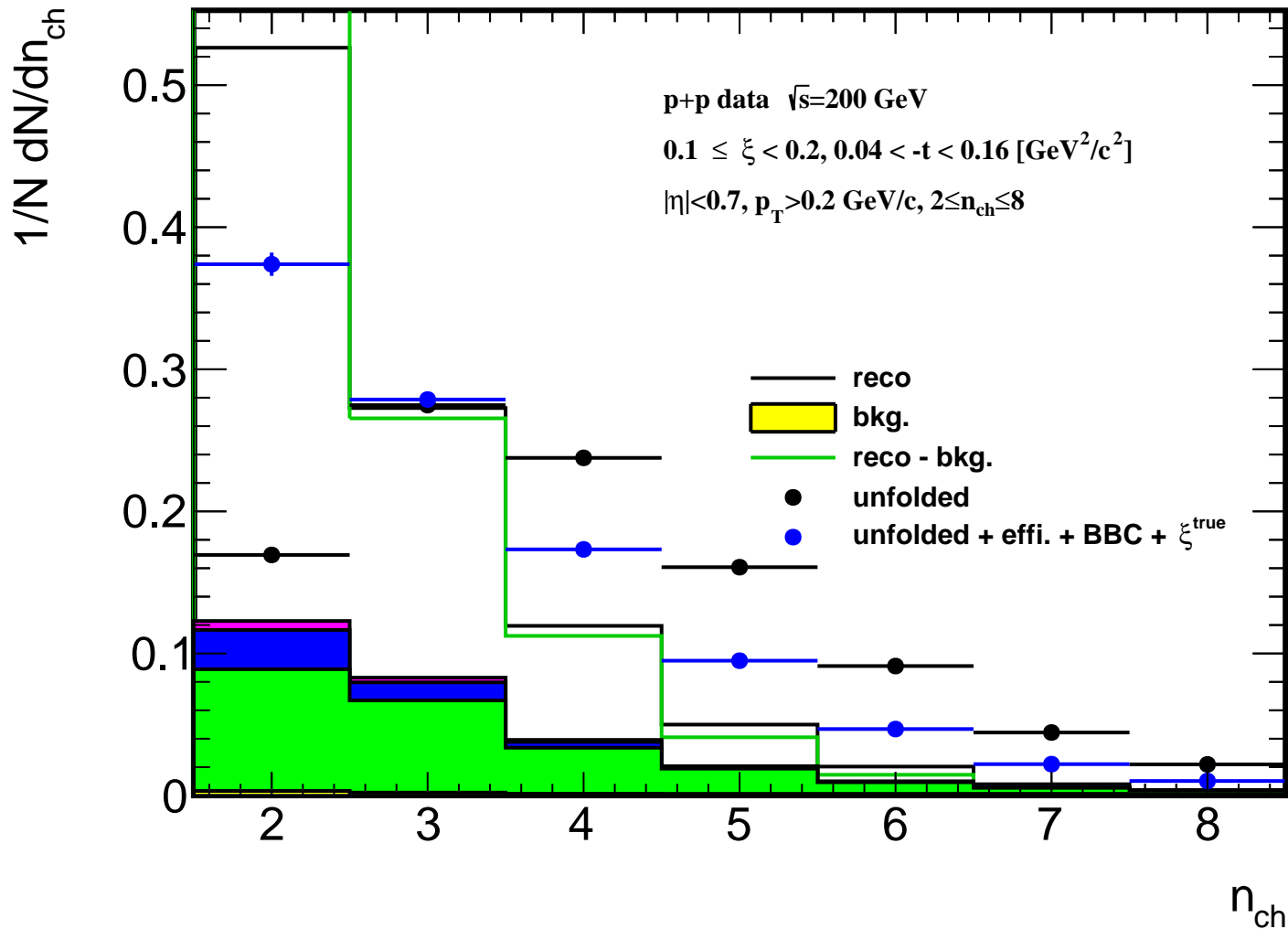


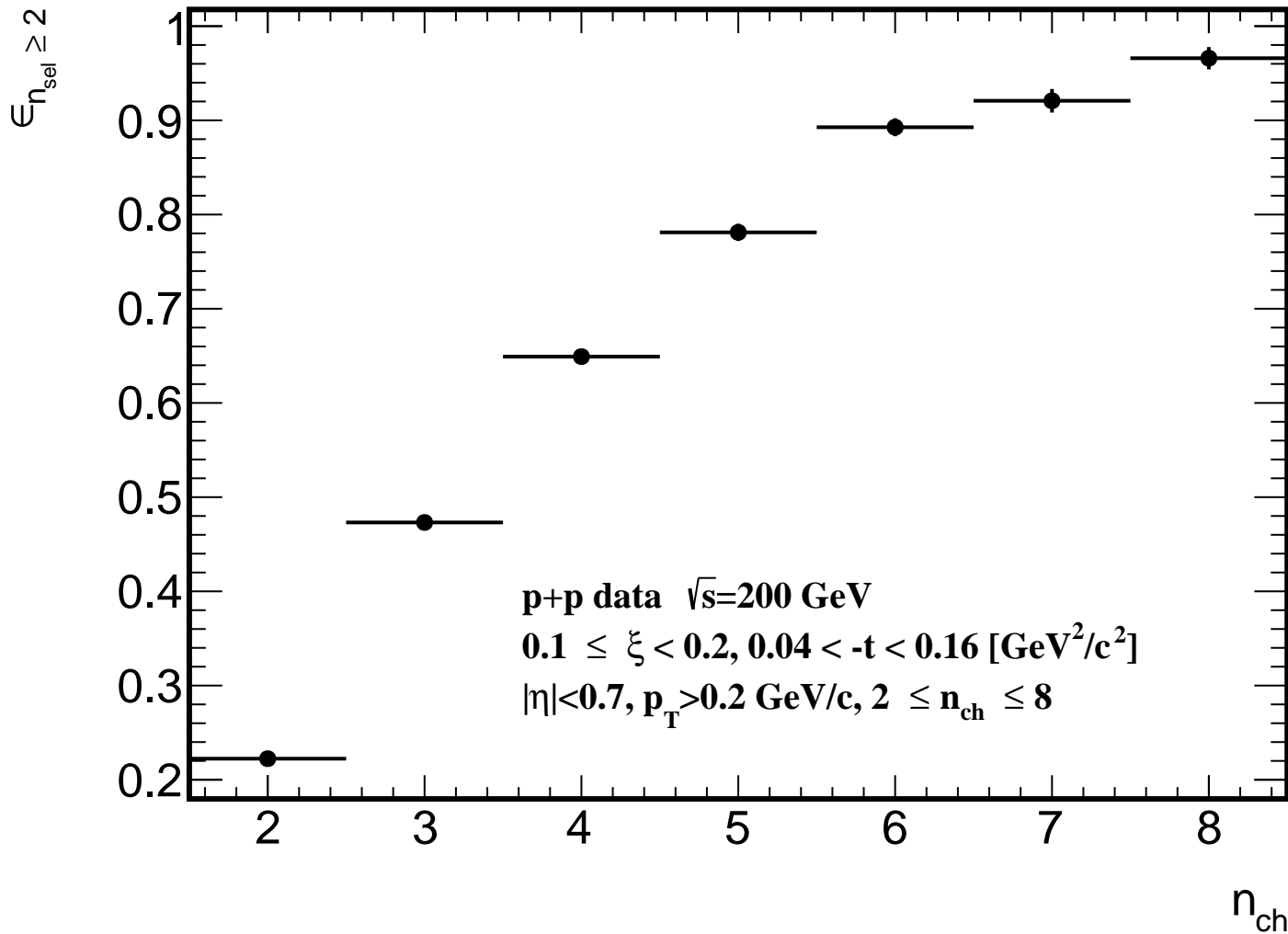


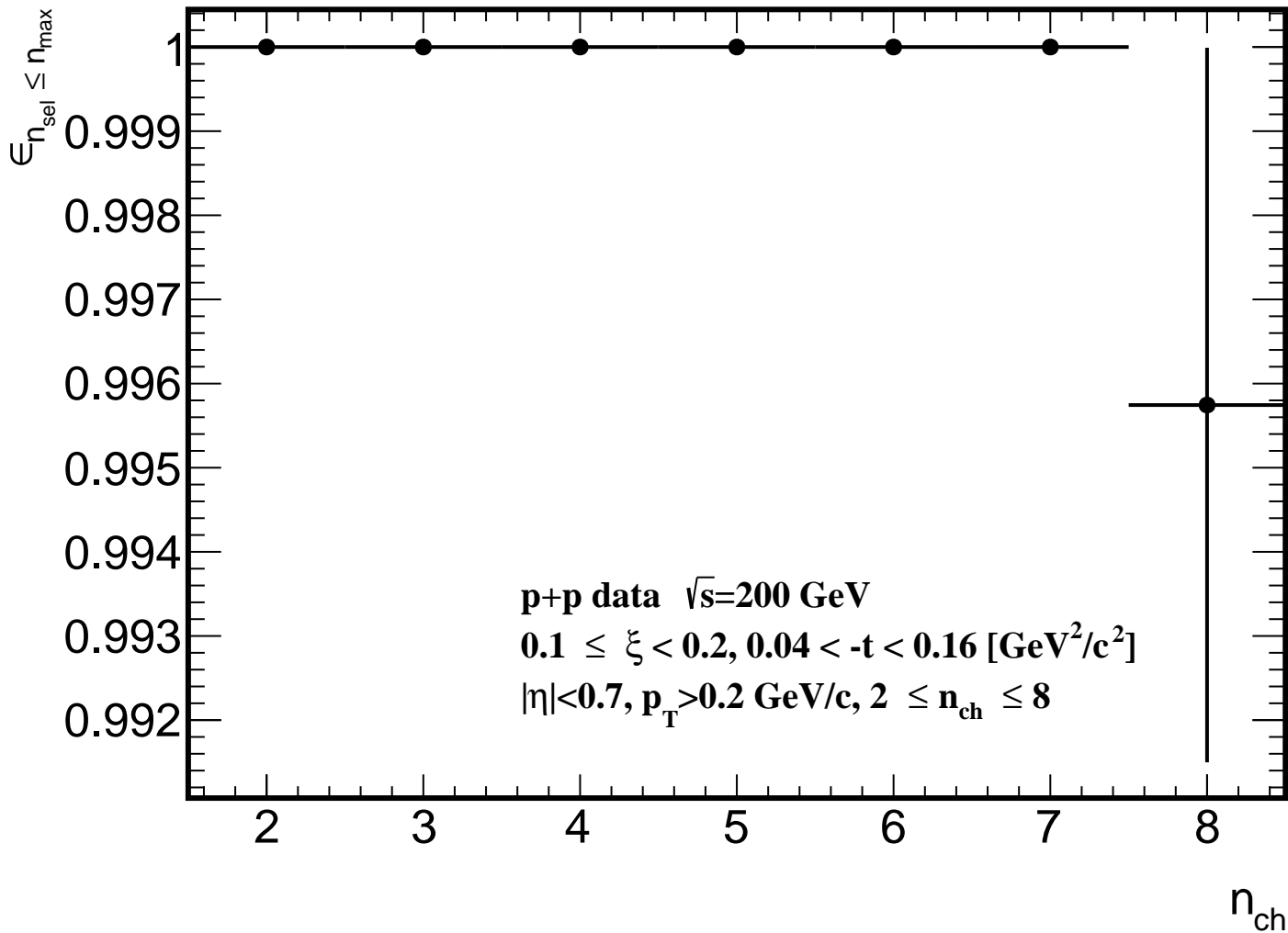


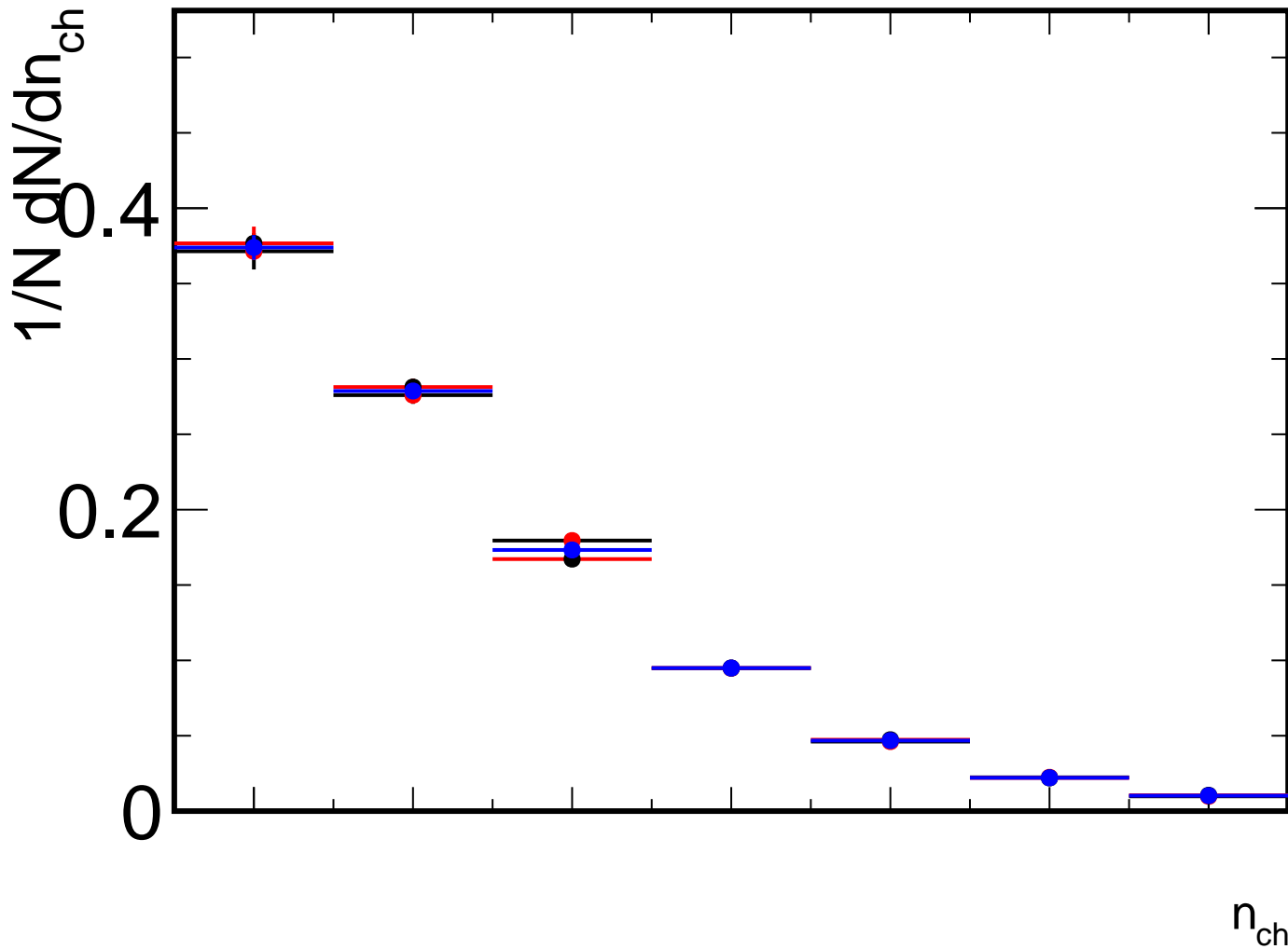


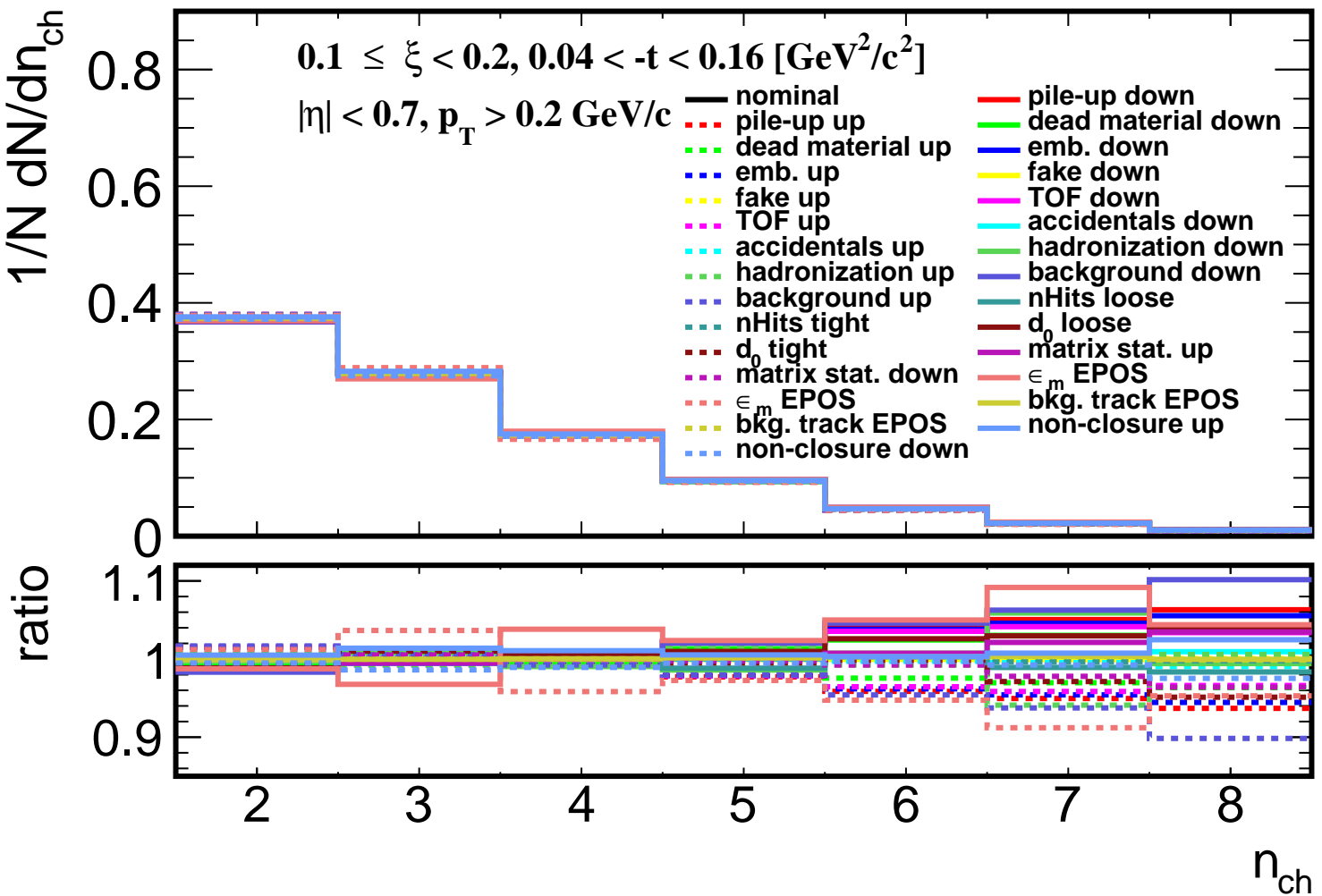


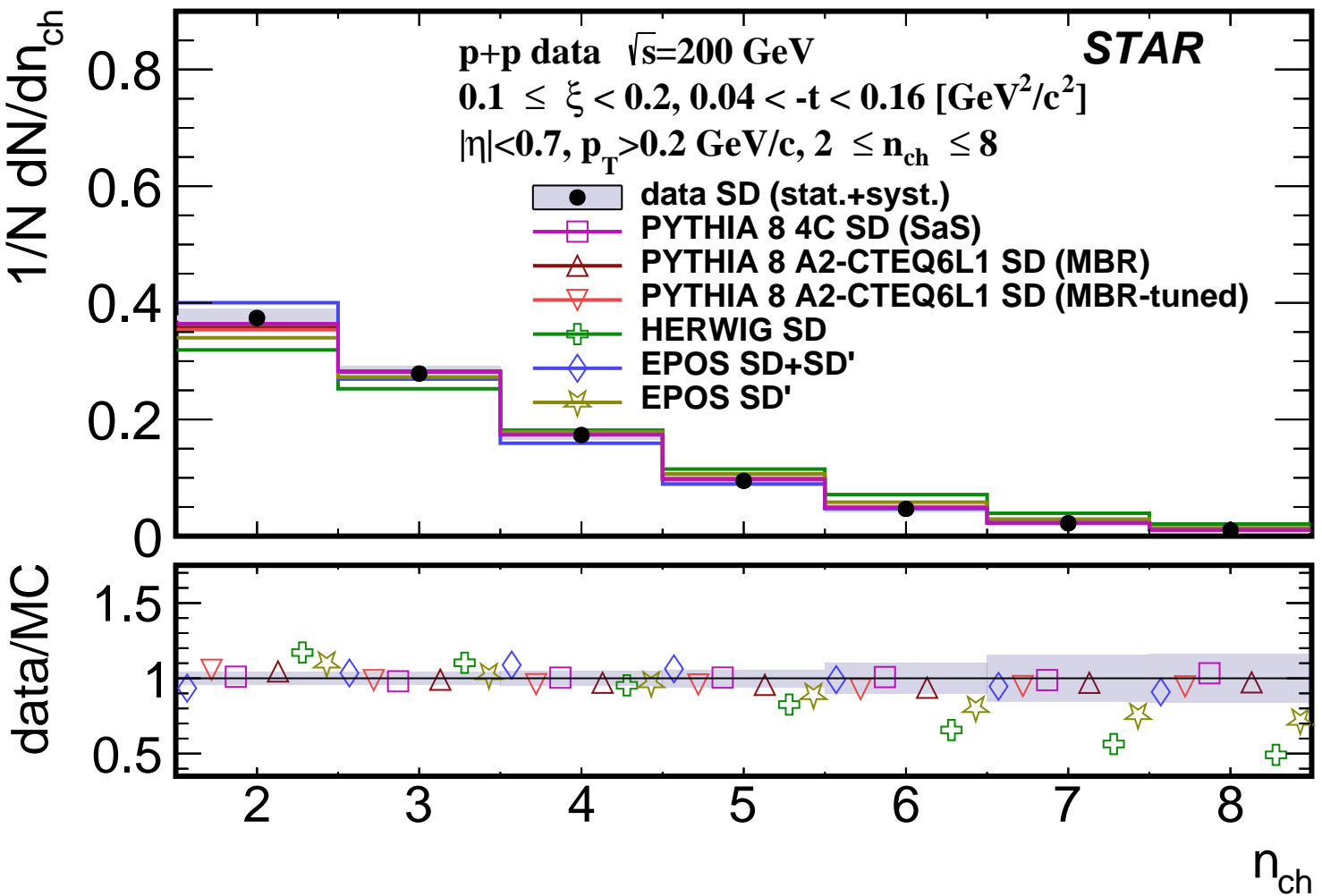


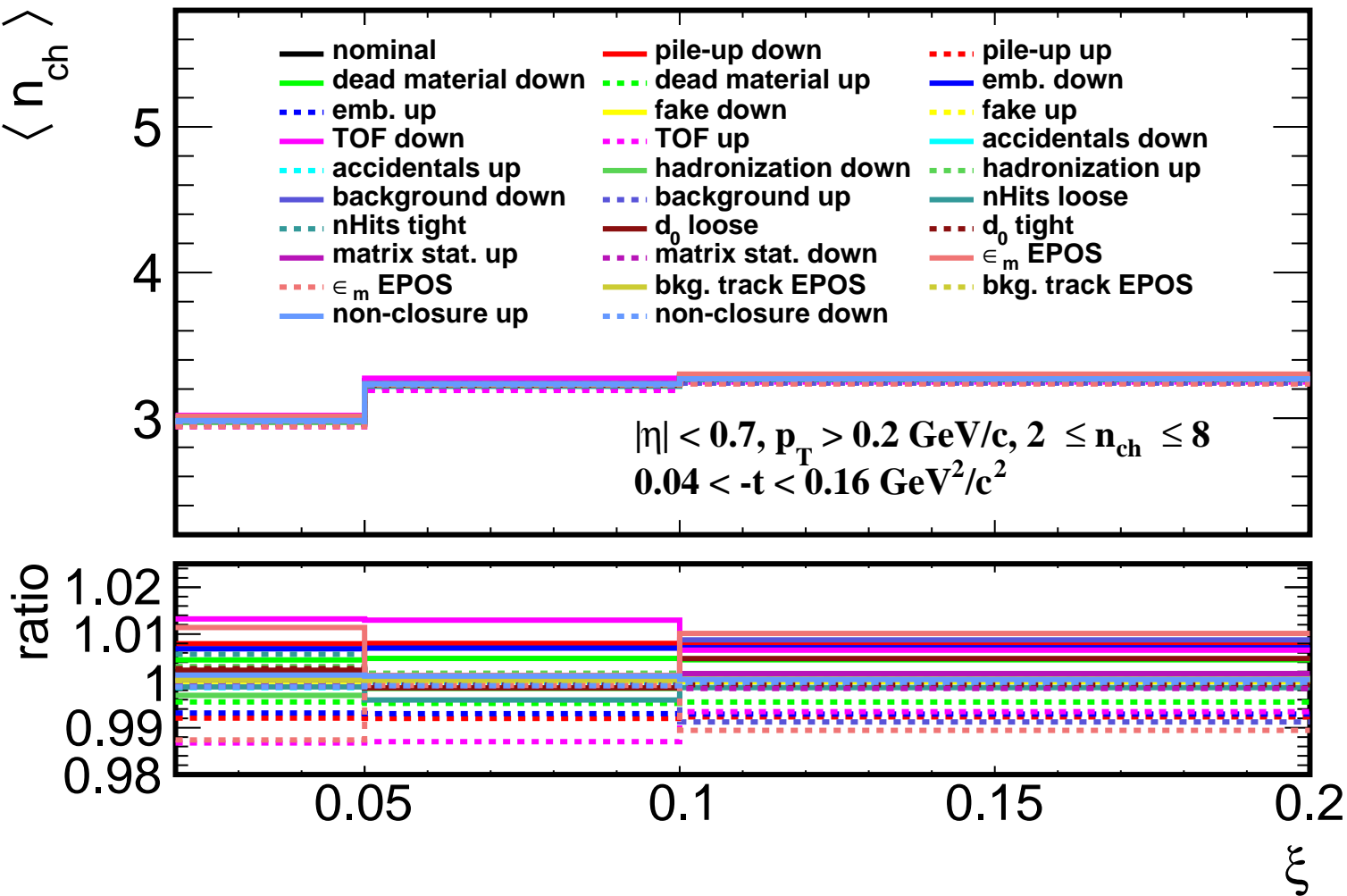












$\langle n_{\text{ch}} \rangle$ **STAR****p+p data $\sqrt{s}=200$ GeV** **$0.04 < -t < 0.16$ [GeV²/c²]** **$|\eta| < 0.7, p_{\text{T}} > 0.2$ GeV/c, $2 \leq n_{\text{ch}} \leq 8$**

- 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'

