

\bar{p}/p ratio

$0.02 < \xi < 0.05, 0.04 < -t < 0.16 \text{ [GeV}^2/\text{c}^2]$
 $|\eta| < 0.7, 2 \leq n_{\text{ch}} \leq 8$

1

0.5

— nominal

— dead material down

- - emb. up

— bkg. down

- - nHits tight

— east-west up

- - non-closure down

— pile-up down

- - dead material up

— TOF down

- - bkg. up

— d₀ loose

- - east-west down

— p bkg. down

- - pile-up up

— emb. down

- - TOF up

— nHits loose

- - d₀ tight

— non-closure up

- - p bkg. up

ratio

1.1

0.9

0.4

0.6

0.8

1

 $p_T \text{ [GeV/c]}$

\bar{p}/p ratio

$0.05 \leq \xi < 0.1, 0.04 < -t < 0.16 \text{ [GeV}^2/\text{c}^2]$
 $|\eta| < 0.7, 2 \leq n_{\text{ch}} \leq 8$

0.5

1

- | | | |
|------------------------|------------------------|-------------------|
| — nominal | — pile-up down | - - - pile-up up |
| — dead material down | - - - dead material up | — emb. down |
| - - - emb. up | — TOF down | - - - TOF up |
| — bkg. down | - - - bkg. up | — nHits loose |
| - - - nHits tight | — d_0 loose | - - - d_0 tight |
| — east-west up | - - - east-west down | — non-closure up |
| - - - non-closure down | — p bkg. down | - - - p bkg. up |

ratio

0.9

1.1

0.4

0.6

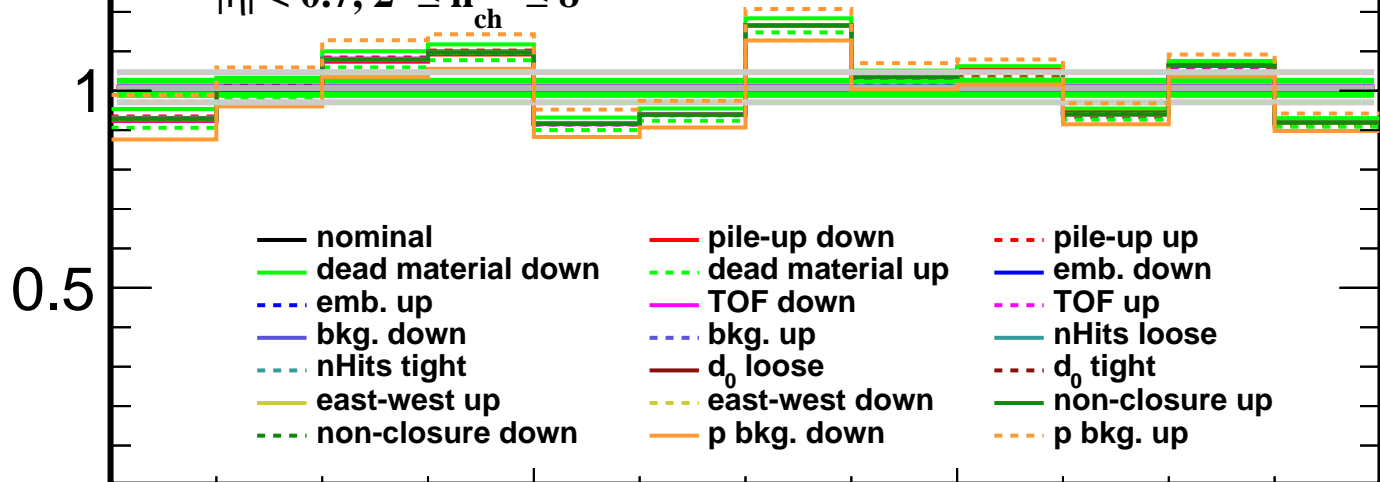
0.8

1

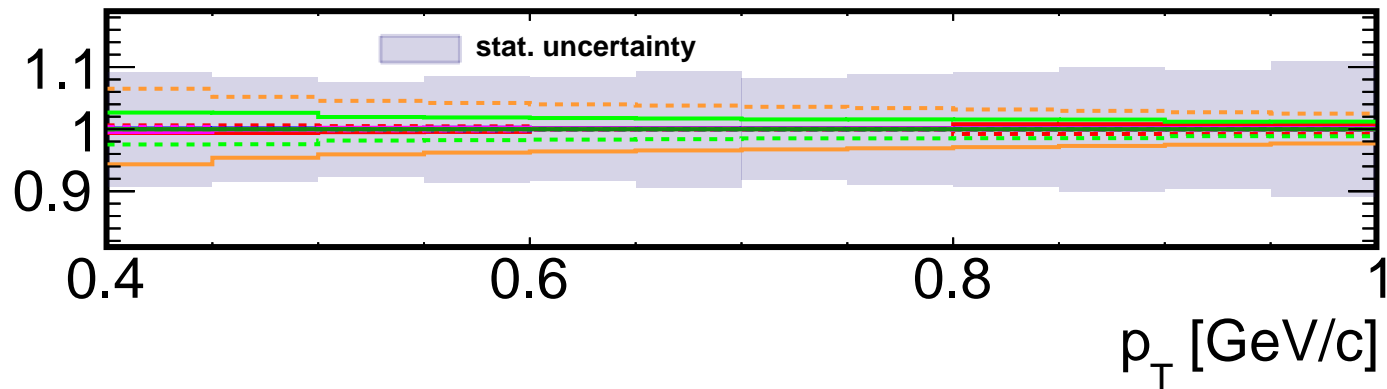
 $p_T \text{ [GeV/c]}$

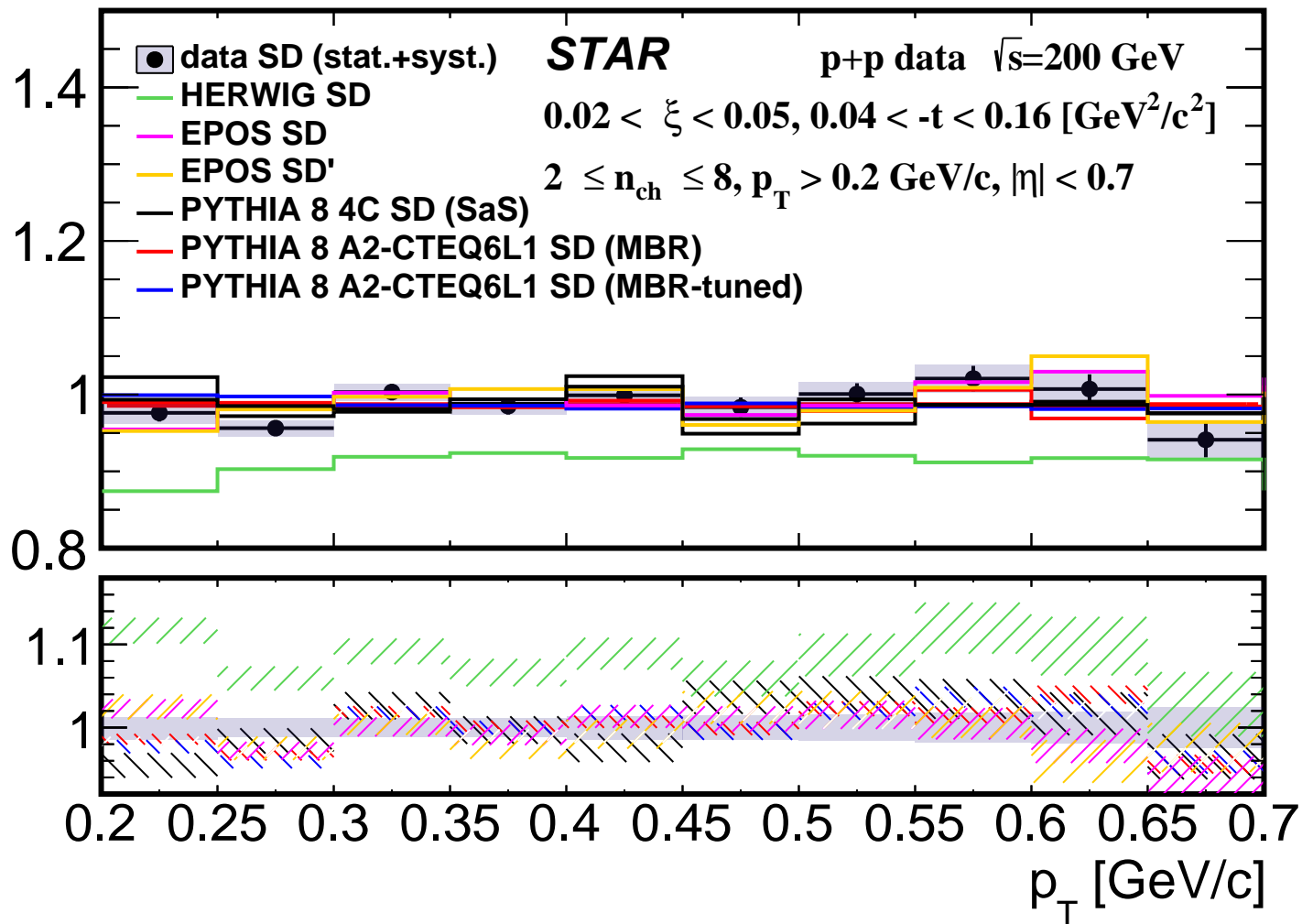
\bar{p}/p ratio

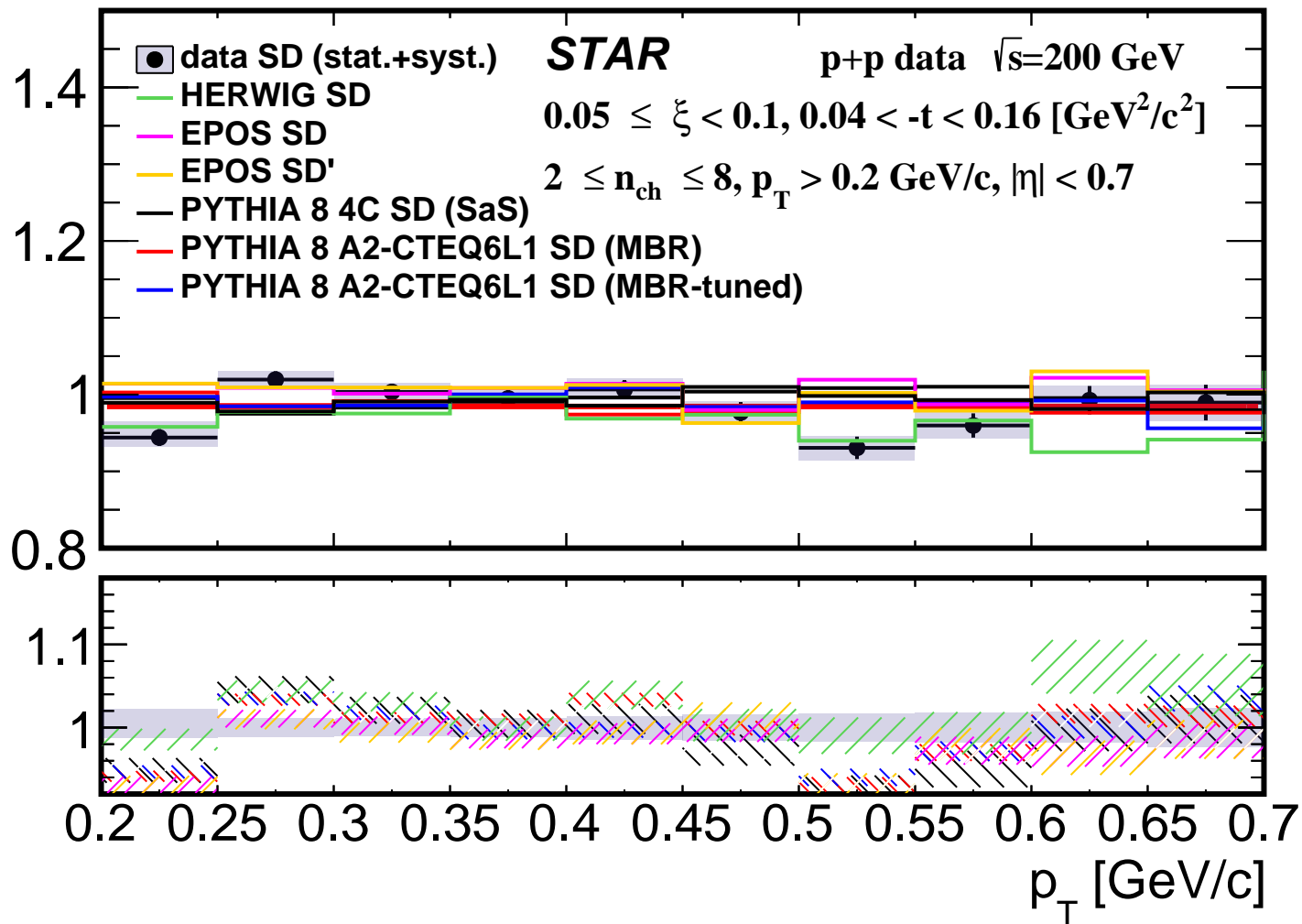
$0.1 \leq \xi < 0.2, 0.04 < -t < 0.16 [\text{GeV}^2/\text{c}^2]$
 $|\eta| < 0.7, 2 \leq n_{\text{ch}} \leq 8$

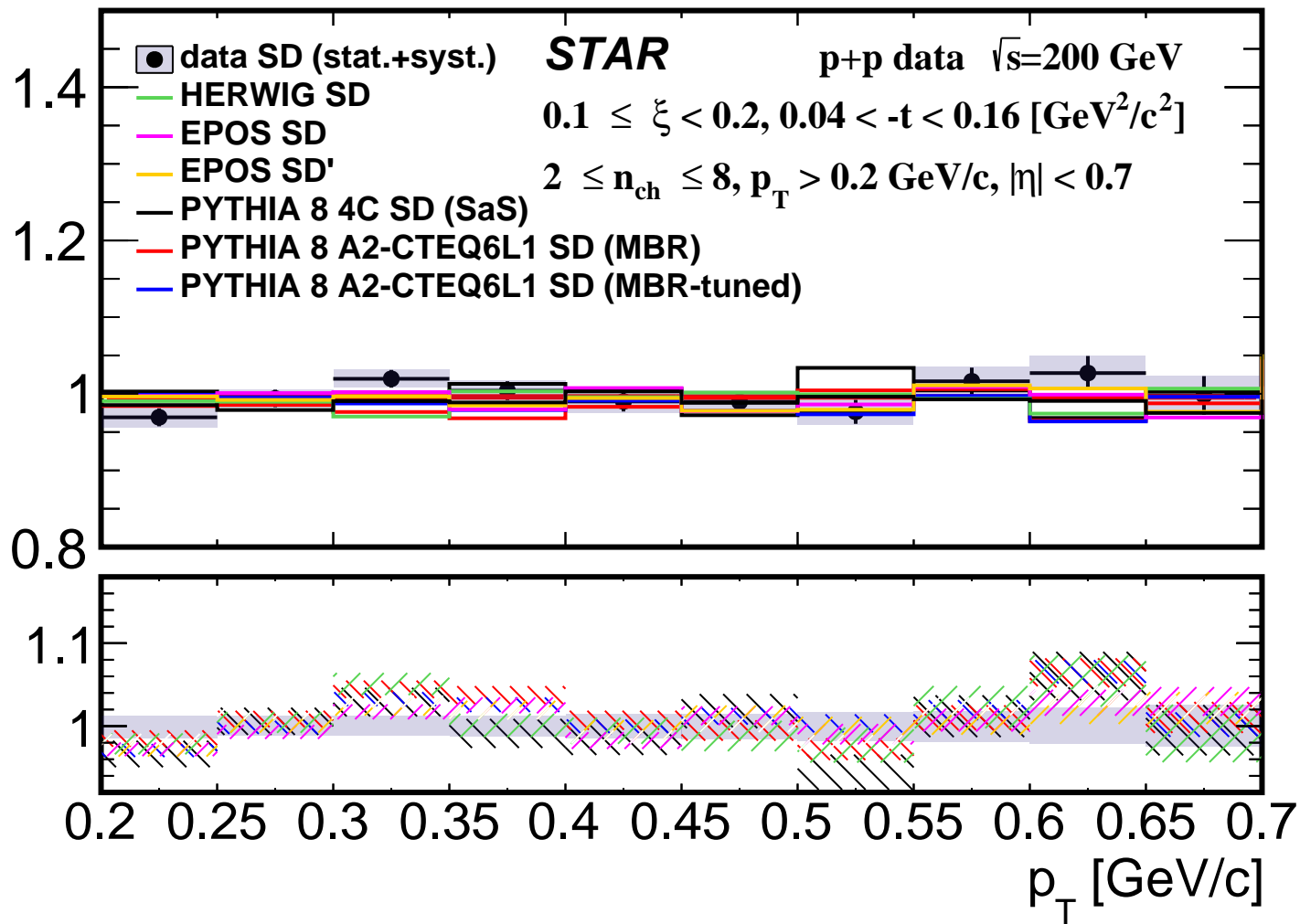


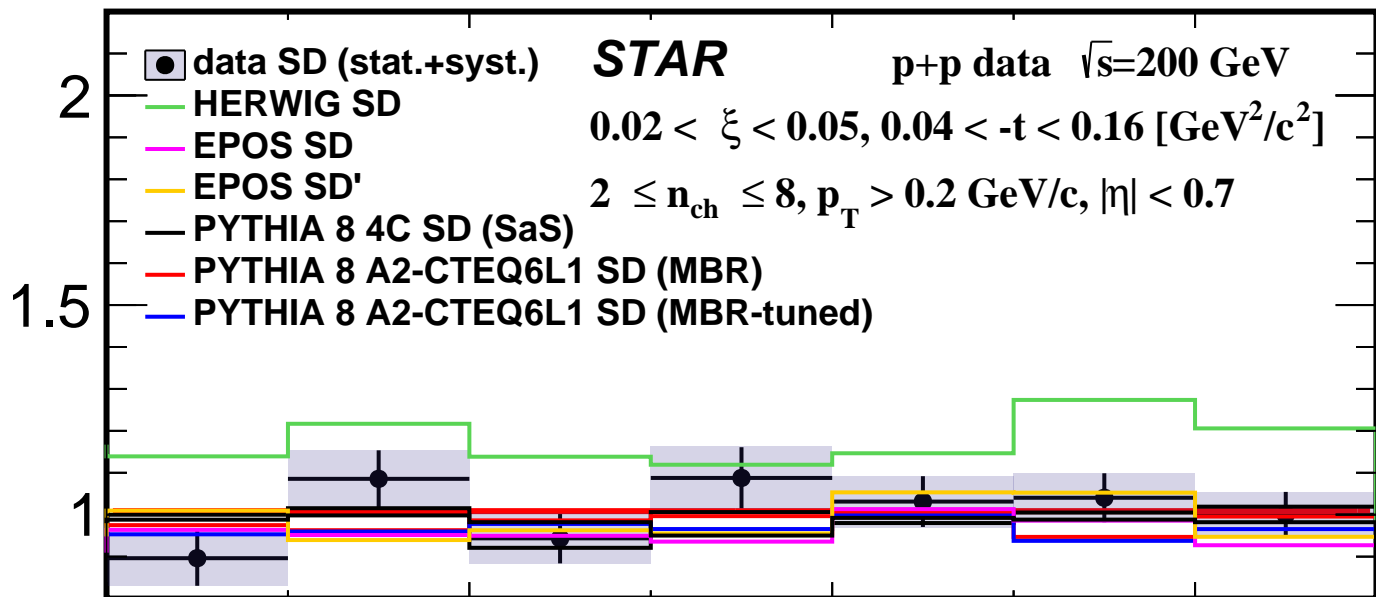
ratio



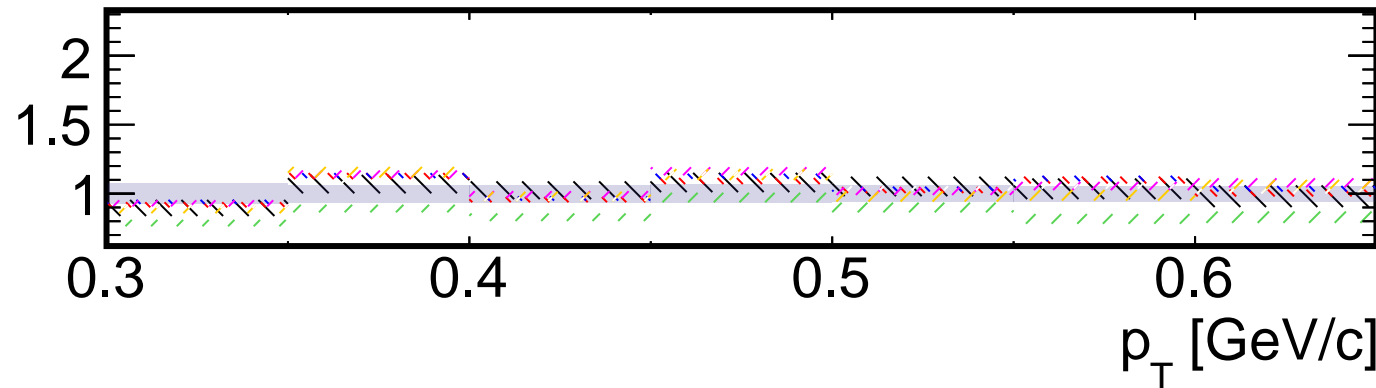
π^-/π^+ ratio

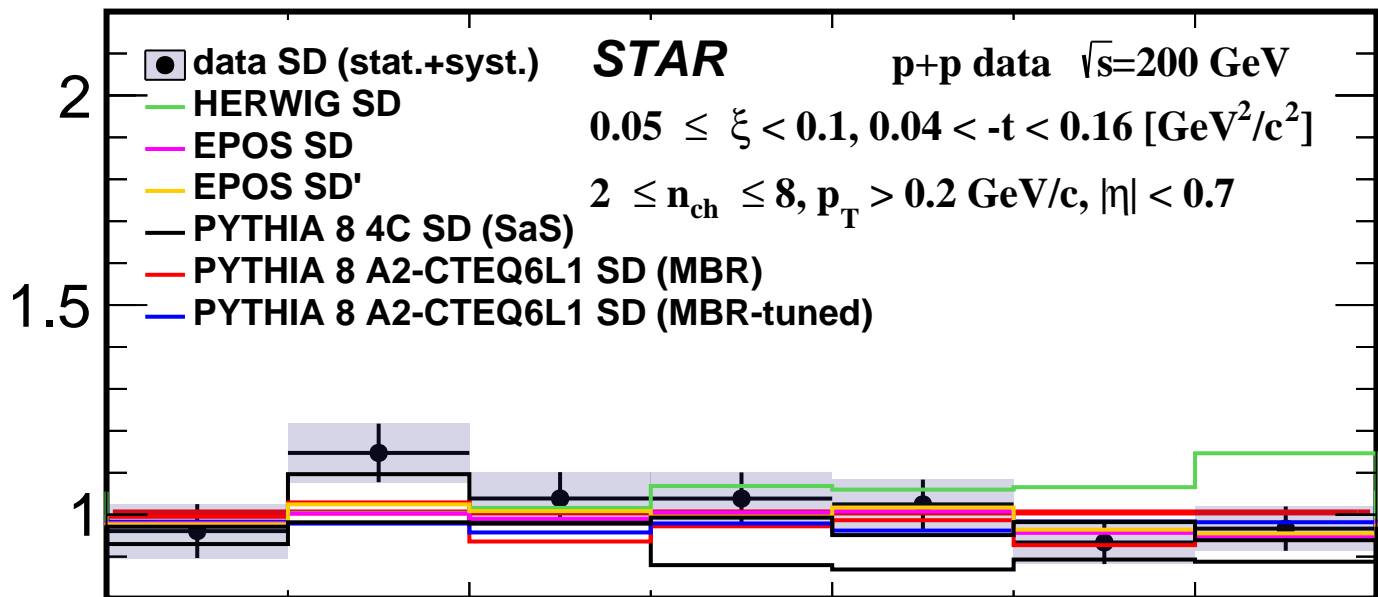
π^-/π^+ ratio

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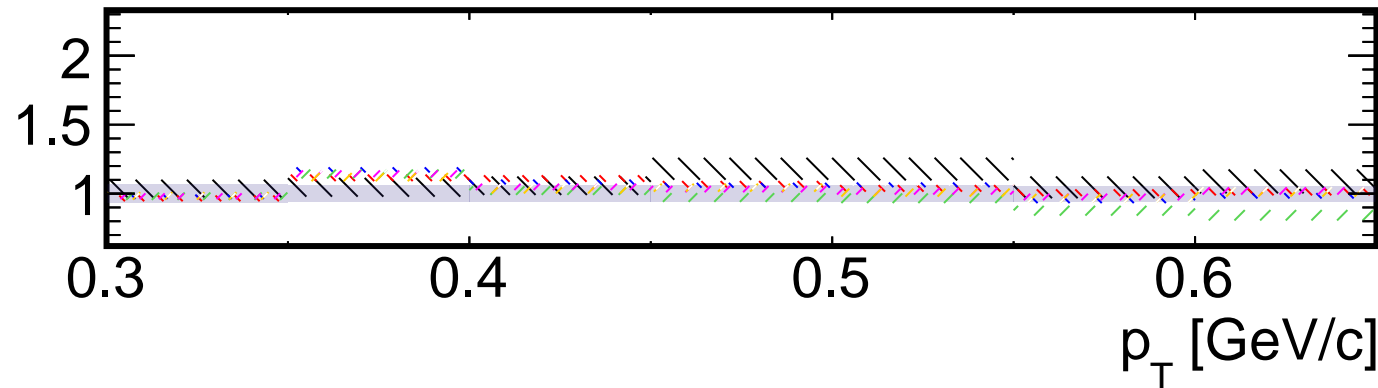
K/K^+ ratio

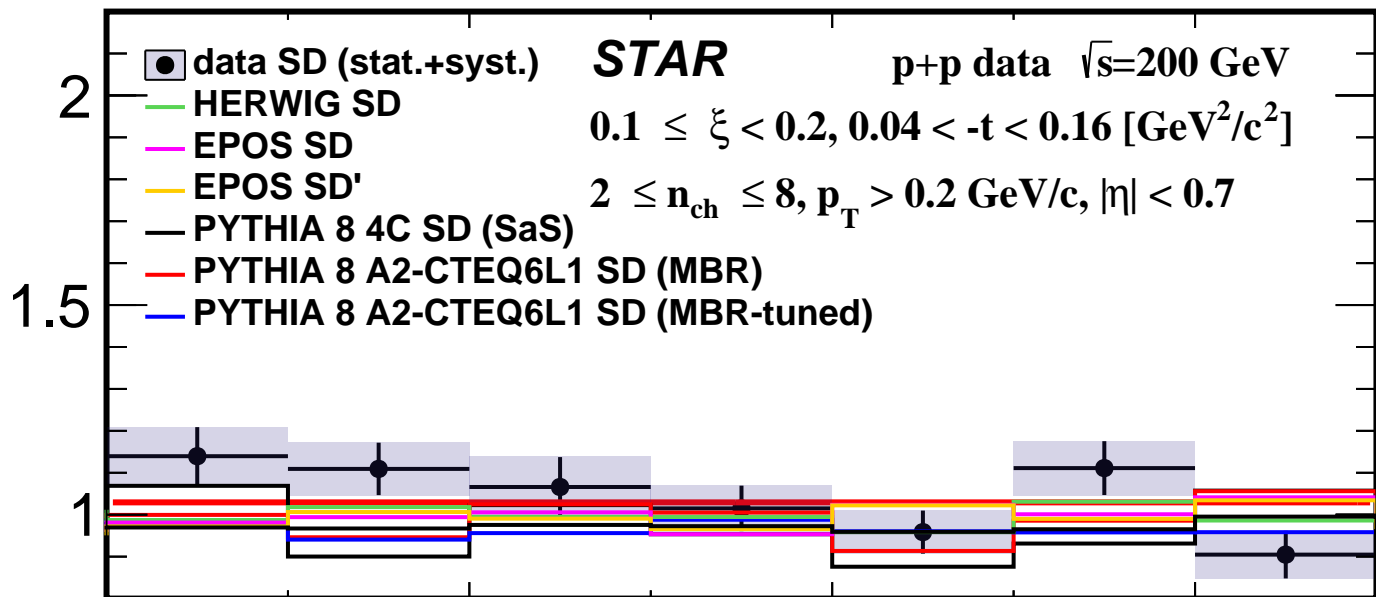
data/MC



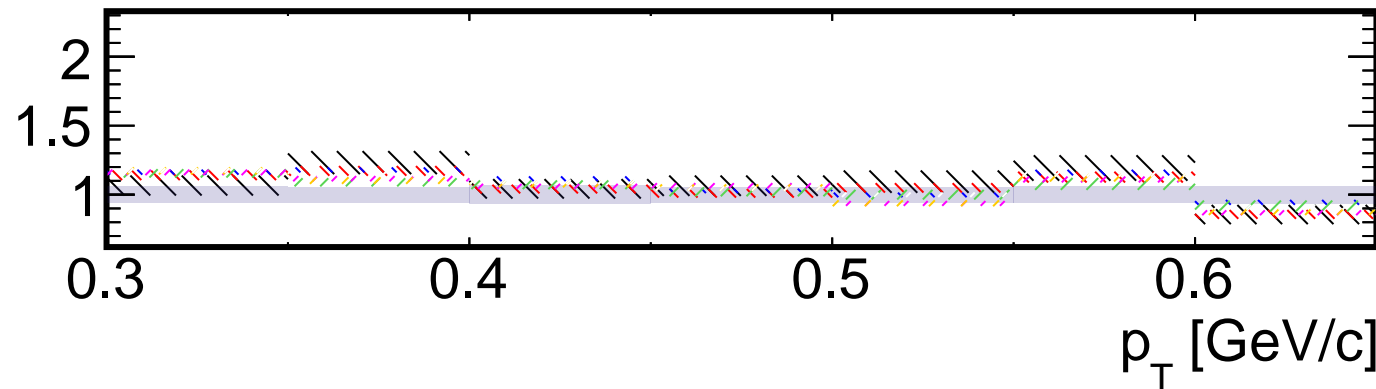
K/K^+ ratio

data/MC



K/K^+ ratio

data/MC



\bar{p}/p ratio**STAR**p+p data $\sqrt{s}=200$ GeV $0.02 < \xi < 0.05, 0.04 < -t < 0.16$ [GeV²/c²] $2 \leq n_{\text{ch}} \leq 8, p_{\text{T}} > 0.2$ GeV/c, $|\eta| < 0.7$

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

2

1

0

data/MC

1.5

0.4

0.5

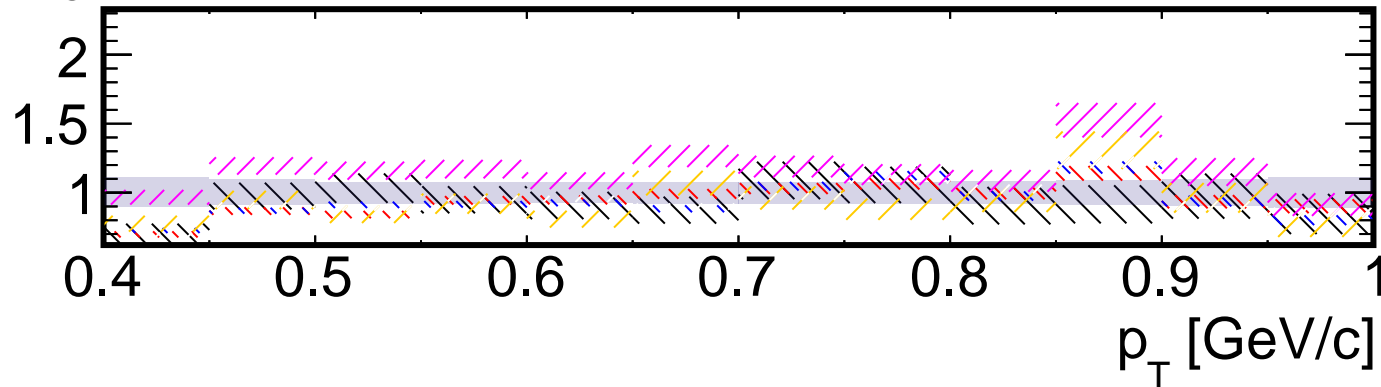
0.6

0.7

0.8

0.9

1

 p_{T} [GeV/c]

\bar{p}/p ratio

STAR

p+p data $\sqrt{s}=200$ GeV

$0.05 \leq \xi < 0.1, 0.04 < -t < 0.16$ [GeV²/c²]

$2 \leq n_{\text{ch}} \leq 8, p_{\text{T}} > 0.2$ GeV/c, $|\eta| < 0.7$

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- PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)

2

1

0

data/MC

1.5

0.4

0.5

0.6

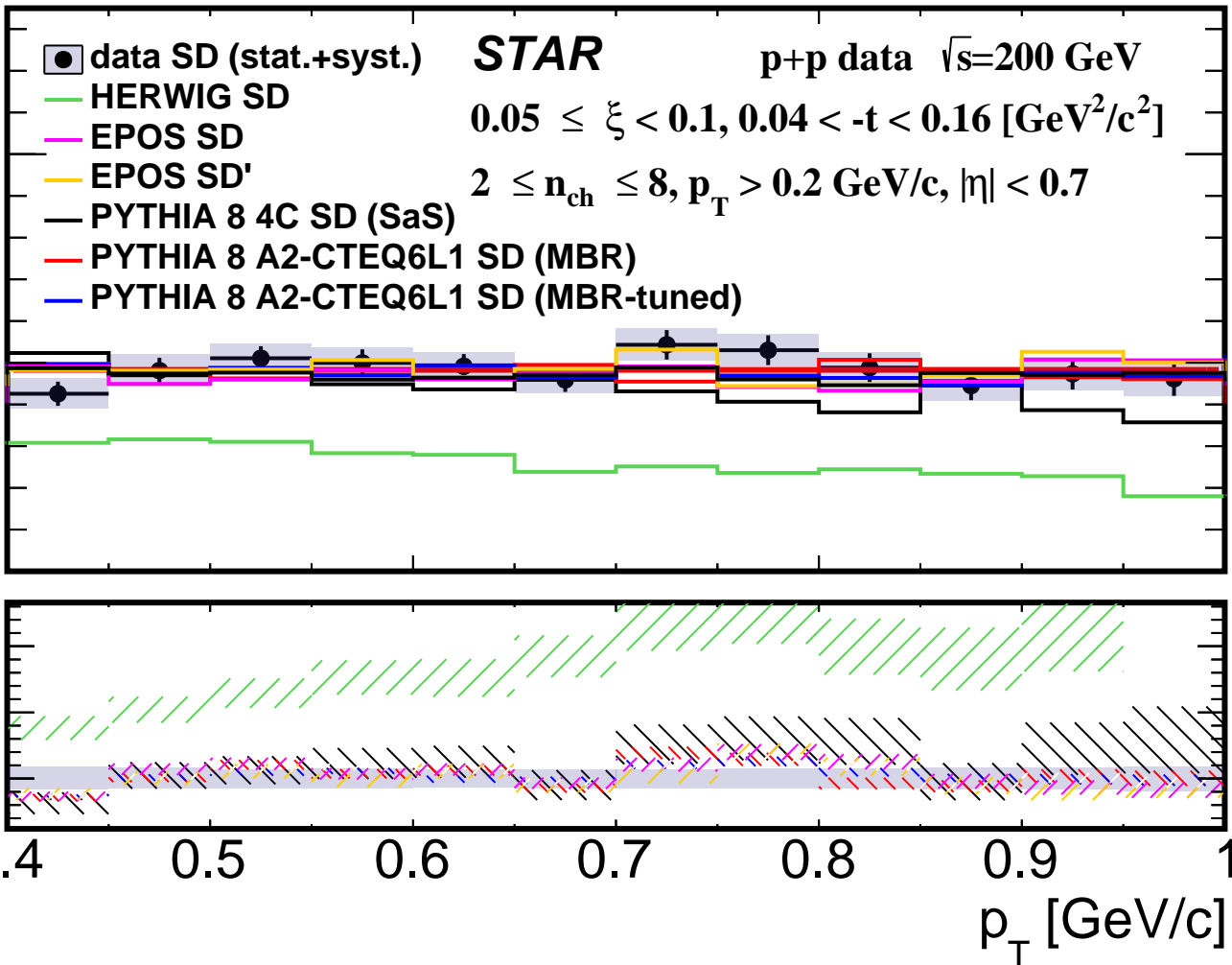
0.7

0.8

0.9

1

p_{T} [GeV/c]



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2

1

0

data/MC

1.5

0.4

0.5

0.6

0.7

0.8

0.9

1

 p_{T} [GeV/c]