

$\bar{p}/p$  ratio

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

1

0.5

— nominal

— dead material down

- - - emb. up

— bkg. down

- - - nHits tight

— non-closure up

- - - p bkg. up

— pile-up down

- - - dead material up

— TOF down

- - - bkg. up

—  $d_0$  loose

- - - non-closure down

- - - pile-up up

— emb. down

- - - TOF up

— nHits loose

- - -  $d_0$  tight

— p bkg. down

ratio

1.1

0.9

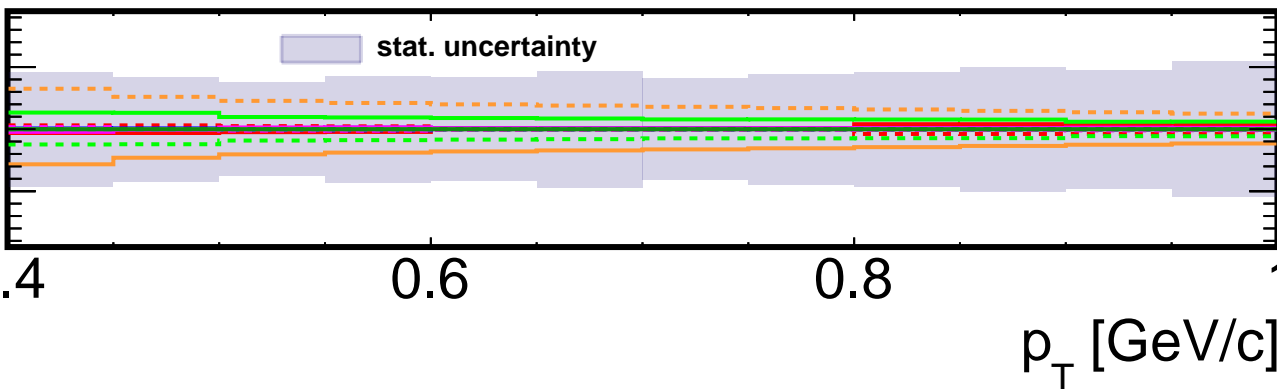
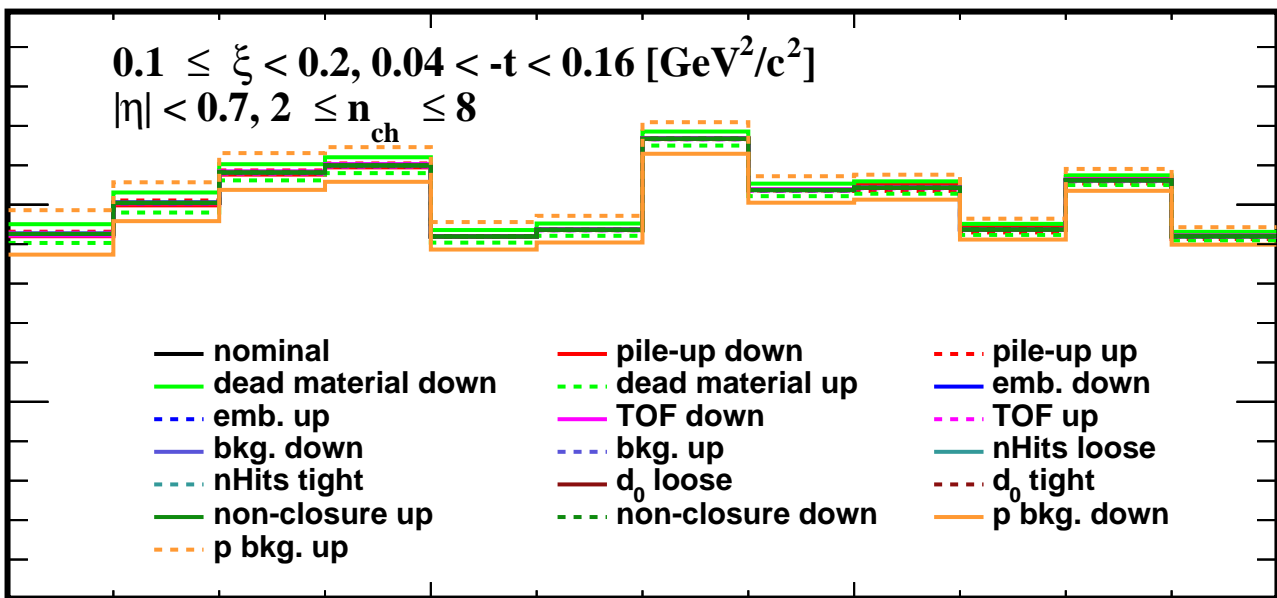
stat. uncertainty

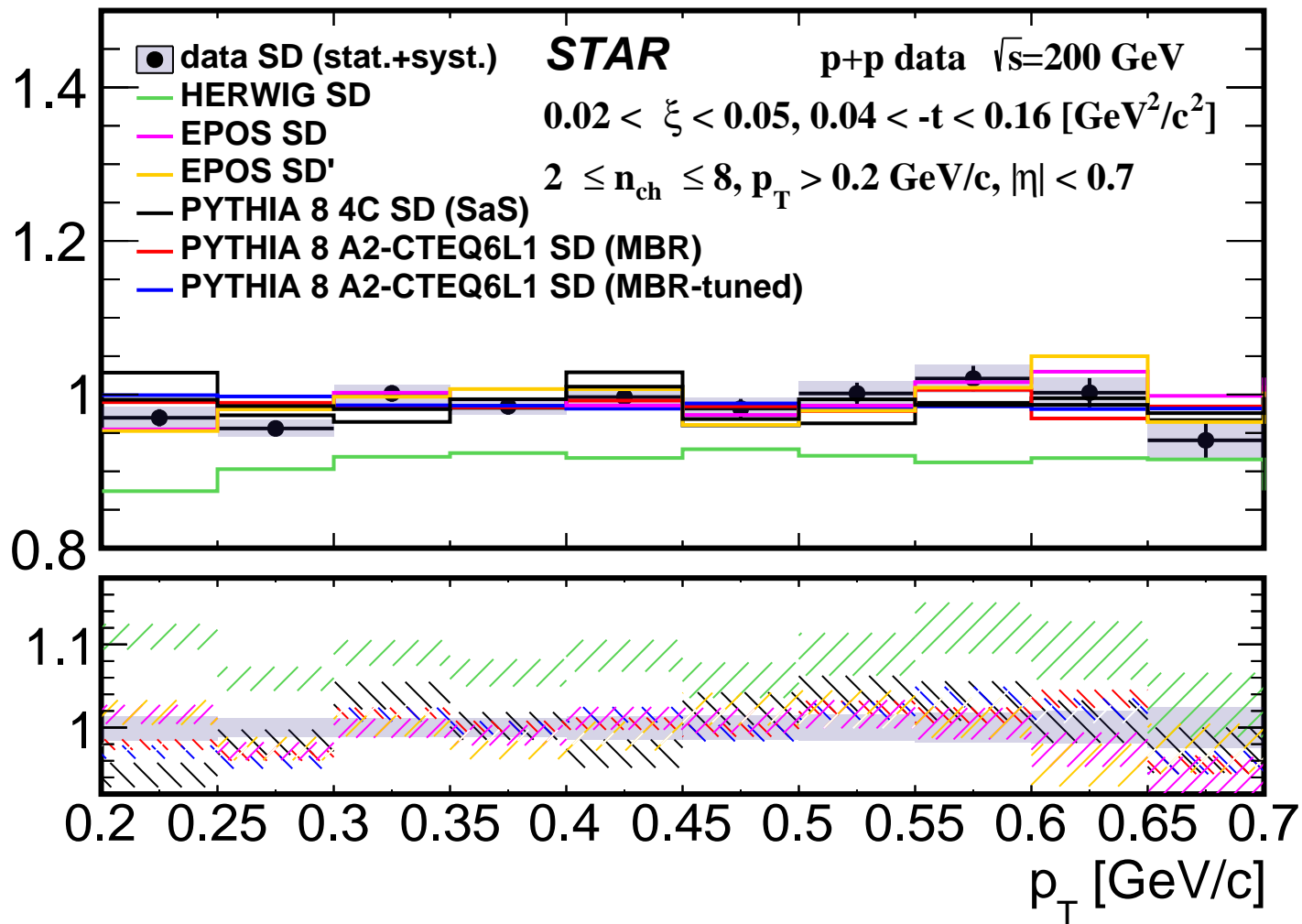
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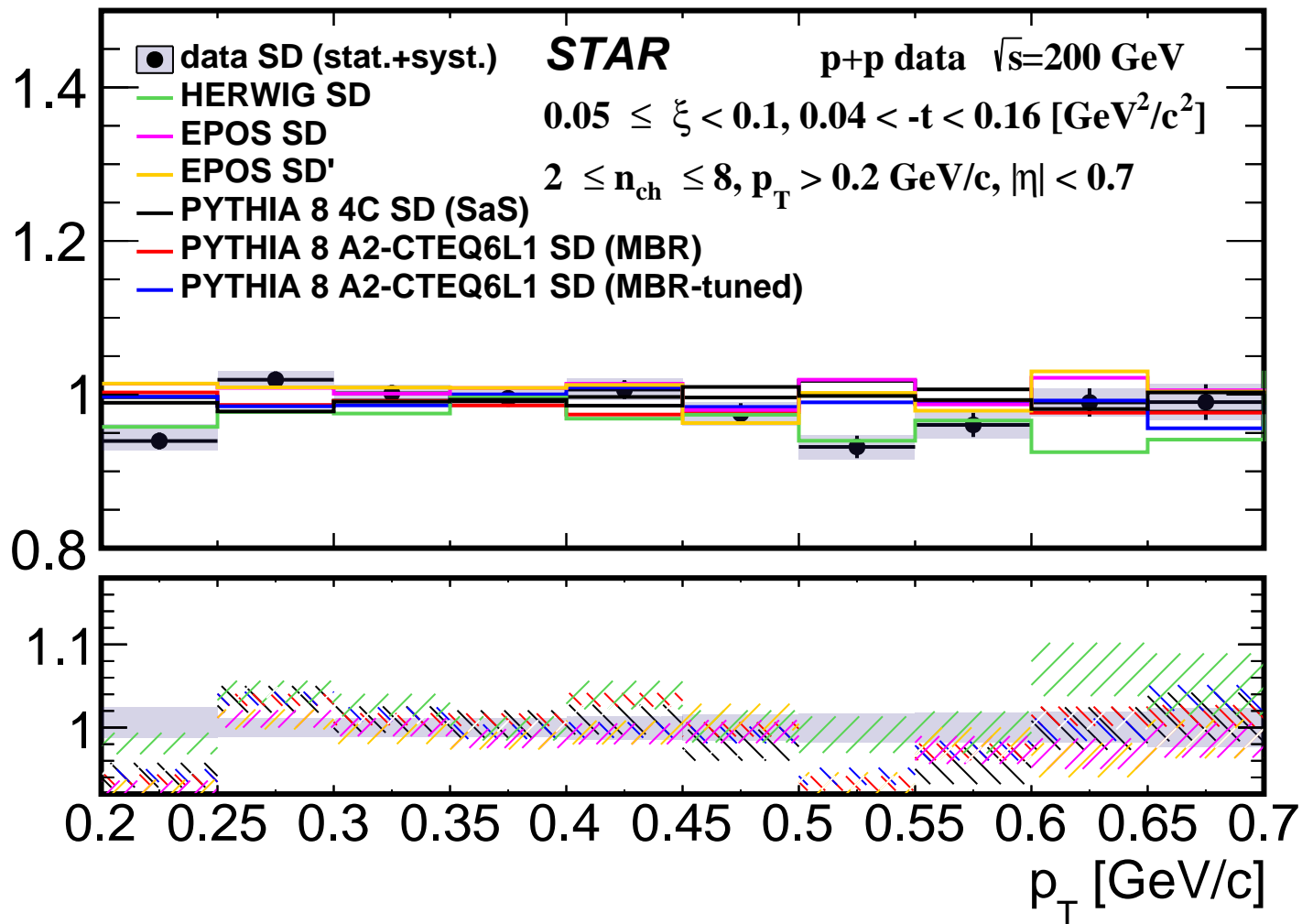
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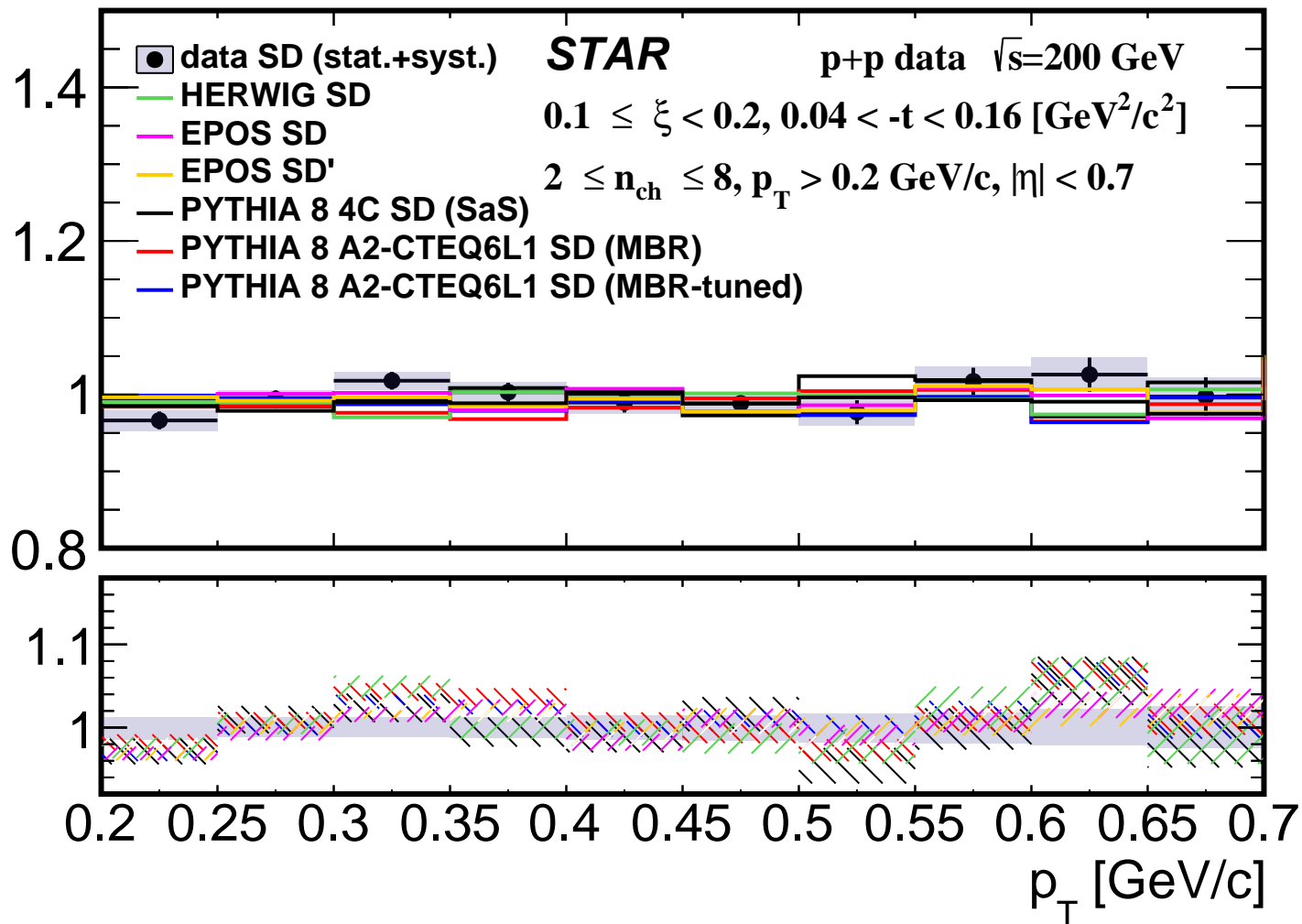
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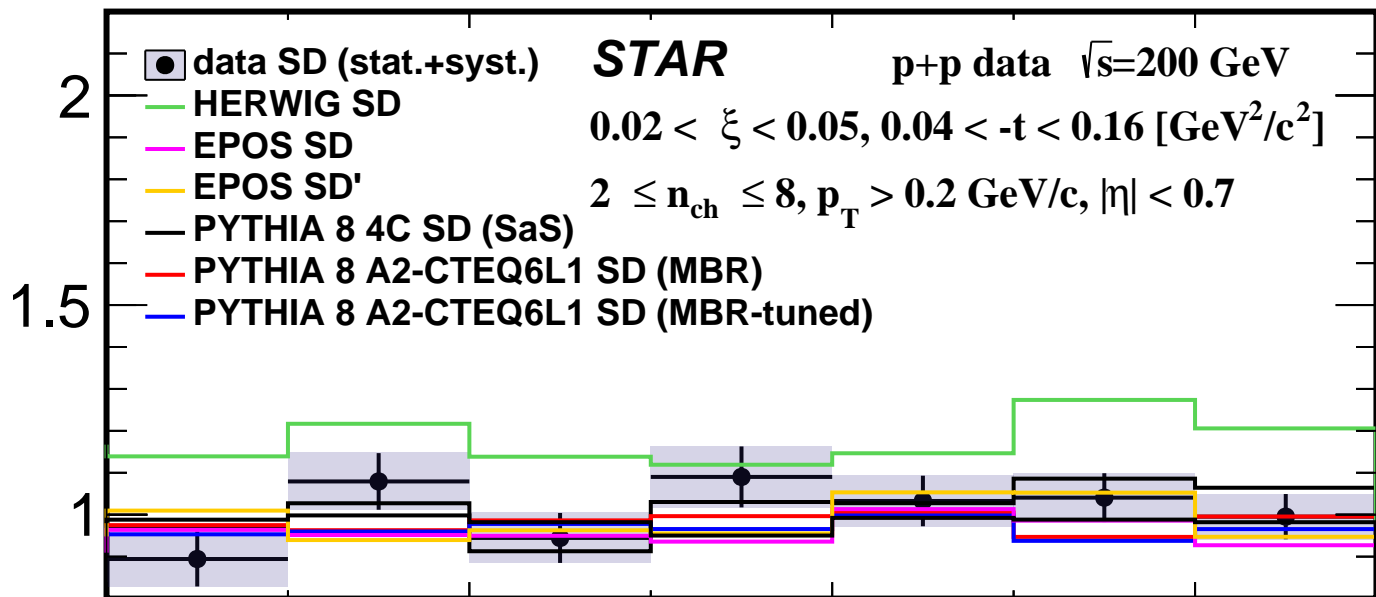
1

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

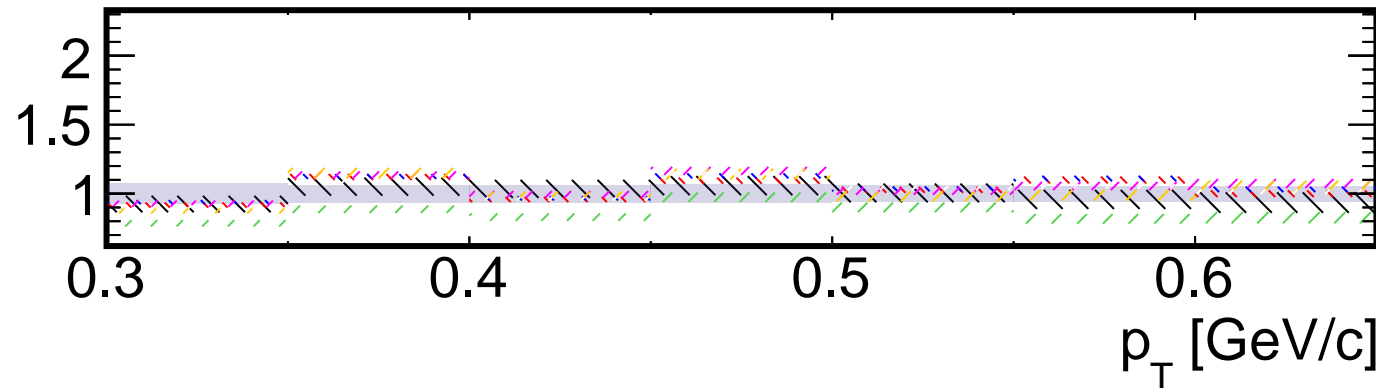
$\pi^-/\pi^+$  ratio

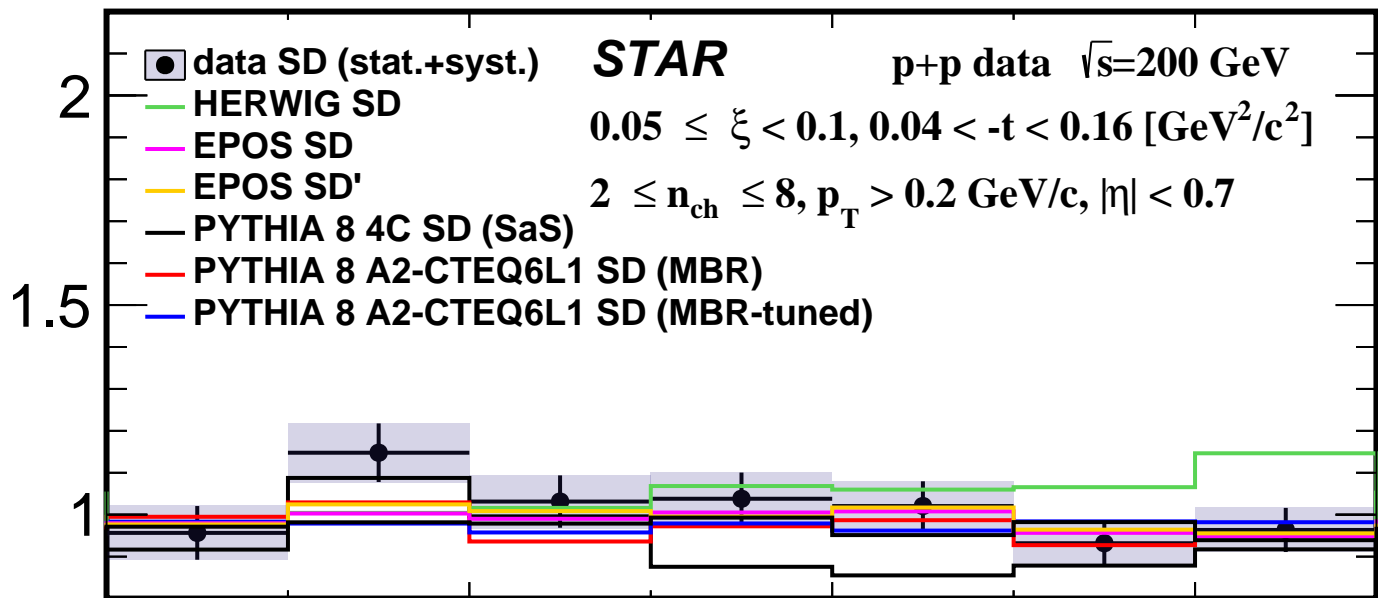
$\pi^-/\pi^+$  ratio

$\pi^-/\pi^+$  ratio

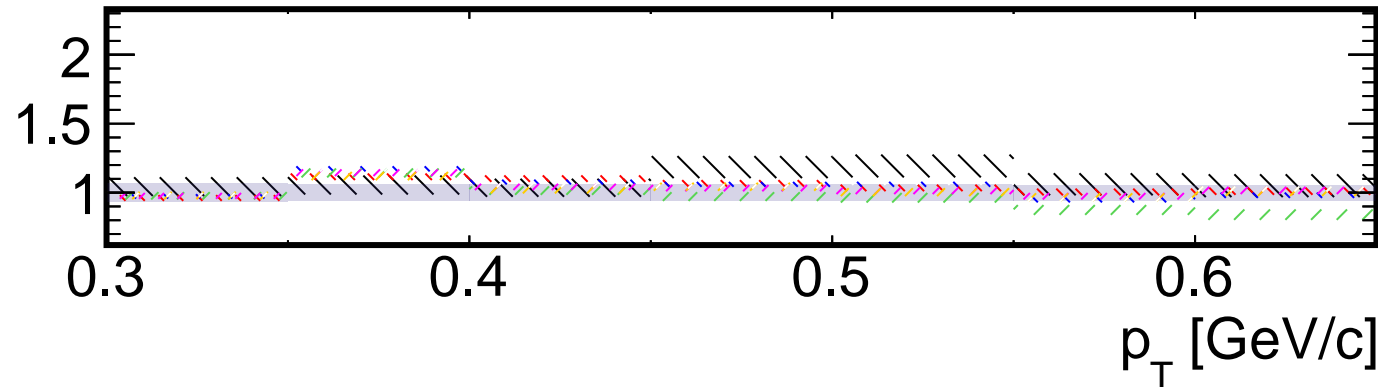
$K/K^+$  ratio

data/MC

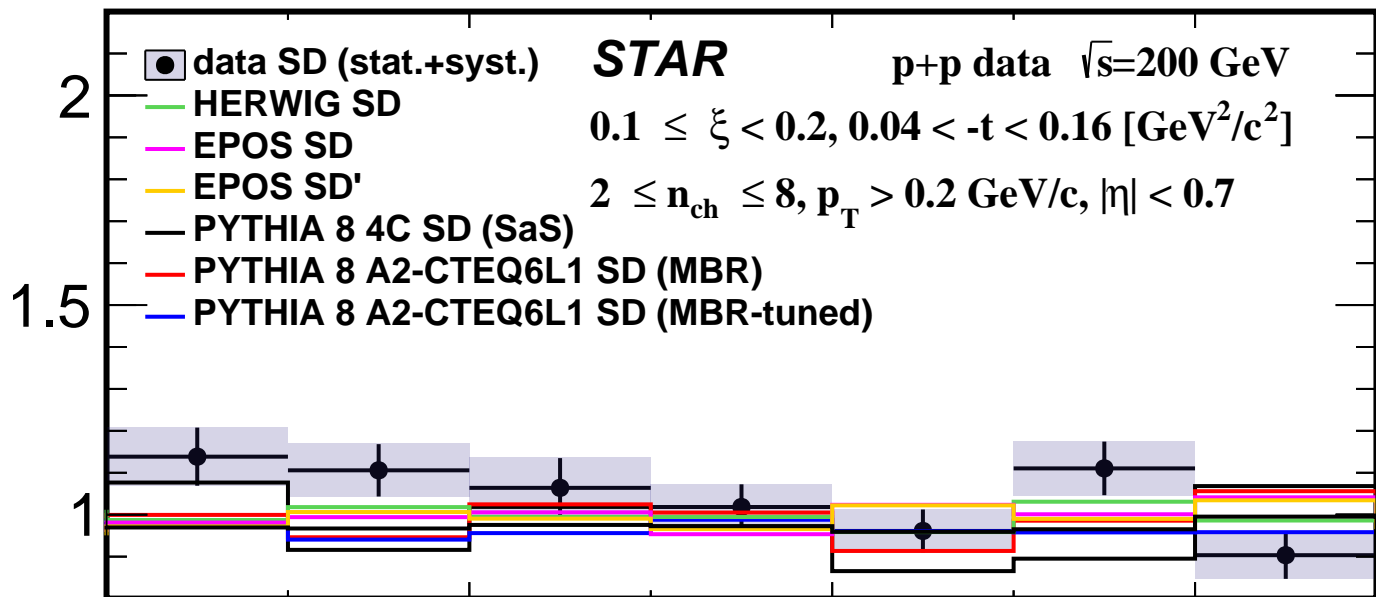


$K/K^+$  ratio

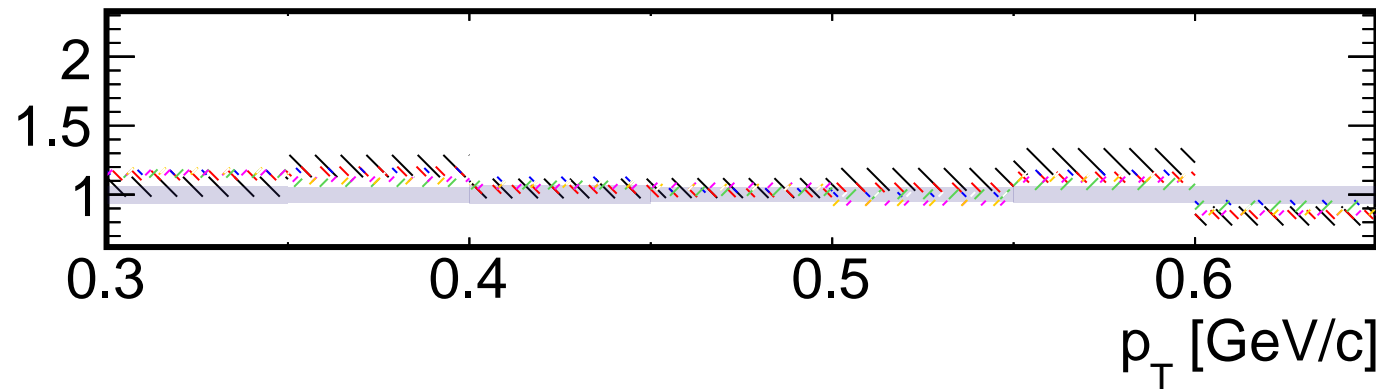
data/MC





$K/K^+$  ratio

data/MC



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

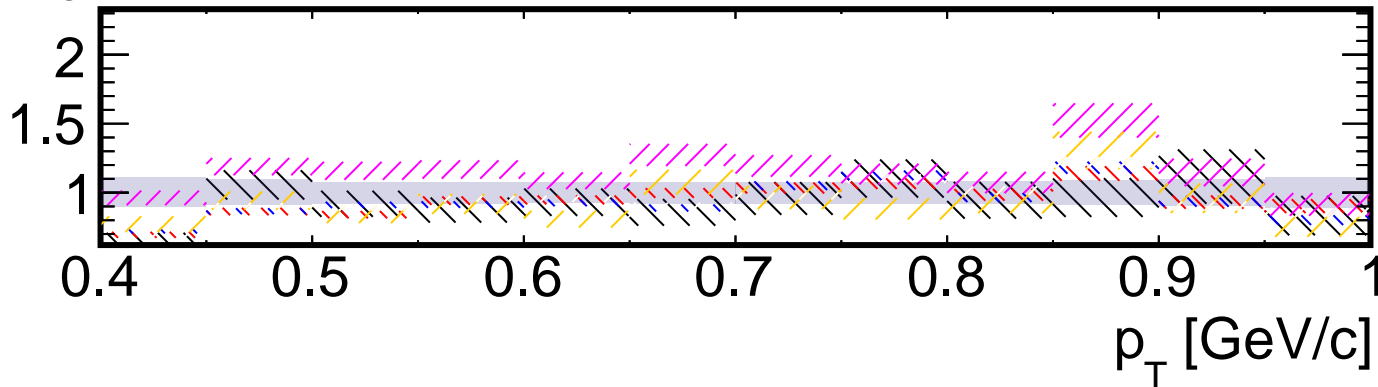
0.6

0.7

0.8

0.9

1

 $p_{\text{T}}$  [GeV/c]

$\bar{p}/p$  ratio**STAR**p+p data  $\sqrt{s}=200$  GeV $0.05 \leq \xi < 0.1, 0.04 < -t < 0.16$  [GeV<sup>2</sup>/c<sup>2</sup>] $2 \leq n_{\text{ch}} \leq 8, p_T > 0.2$  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

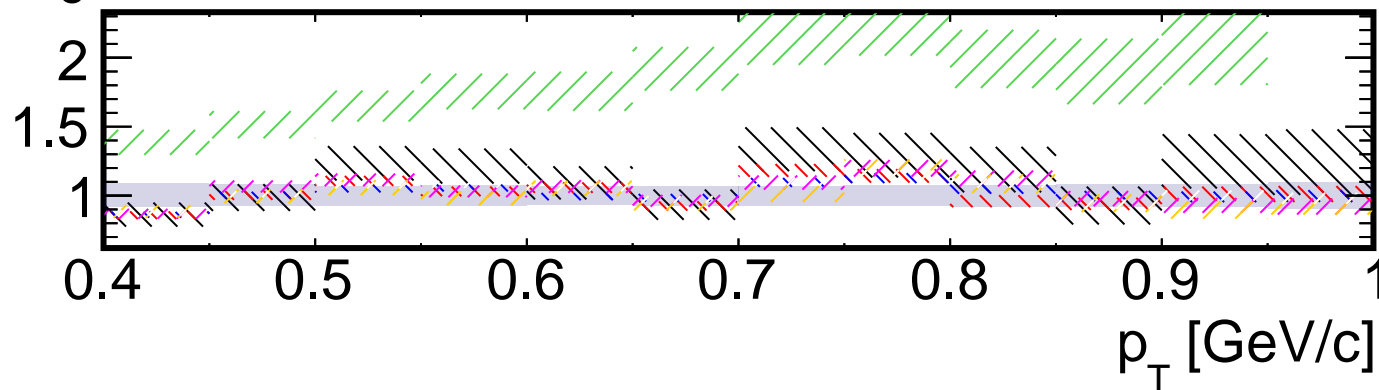
0.6

0.7

0.8

0.9

1

 $p_T$  [GeV/c]

$\bar{p}/p$  ratio

● data SD (stat.+syst.)

**STAR**p+p data  $\sqrt{s}=200$  GeV $0.1 \leq \xi < 0.2, 0.04 < -t < 0.16$  [GeV<sup>2</sup>/c<sup>2</sup>] $2 \leq n_{\text{ch}} \leq 8, p_T > 0.2$  GeV/c,  $|\eta| < 0.7$ 

— 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

2

1

0.4

0.5

0.6

0.7

0.8

0.9

1

 $p_T$  [GeV/c]