

\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

— non-closure up

- - p bkg. up

— pile-up down

- - dead material up

— TOF down

- - bkg. up

— d₀ loose

- - non-closure down

- - pile-up up

— emb. down

- - TOF up

— nHits loose

- - d₀ tight

— p bkg. down

ratio

1.1

1.0

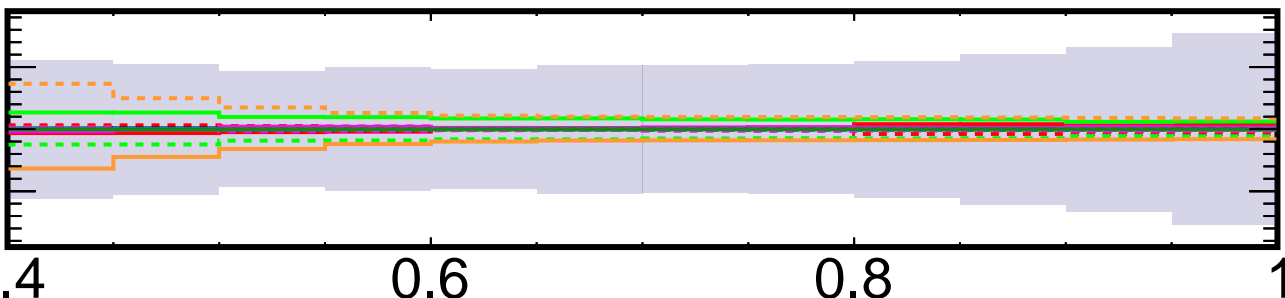
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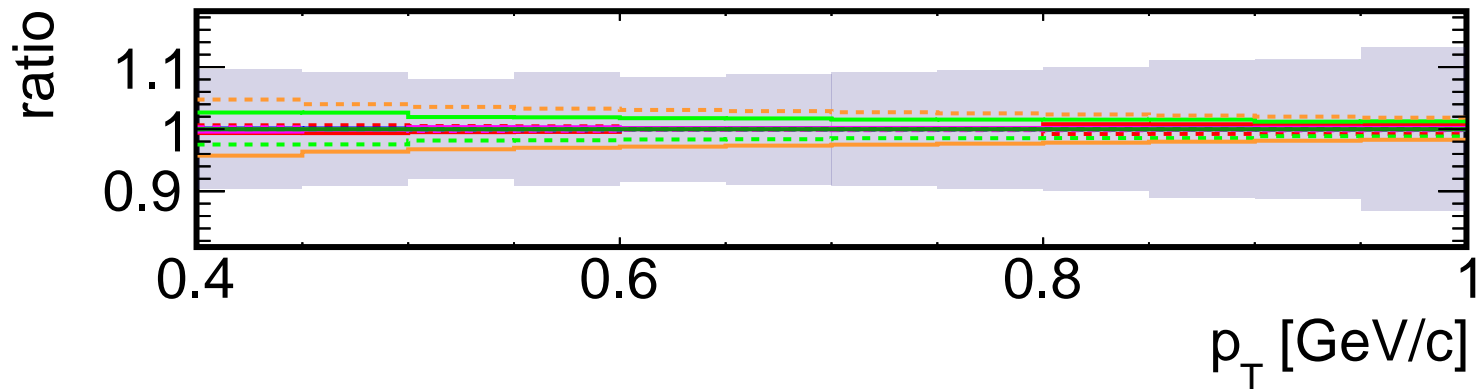
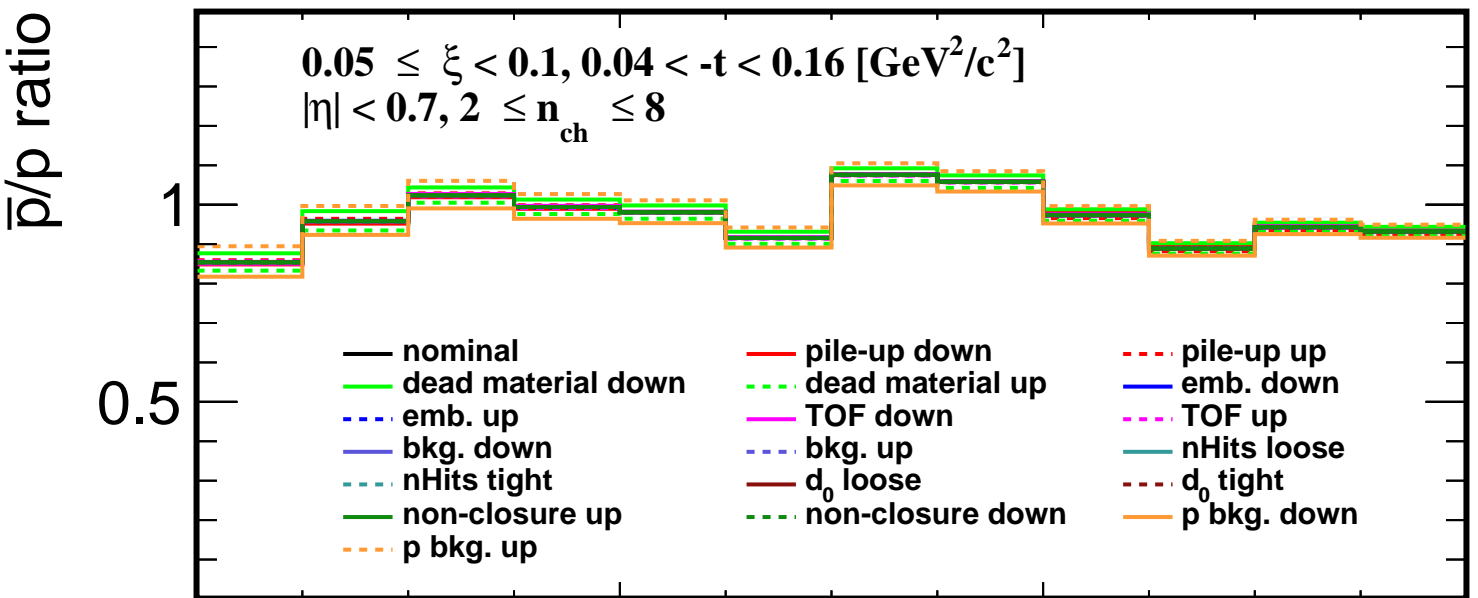
0.4

0.6

0.8

1

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



\bar{p}/p ratio

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

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0.5

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— 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

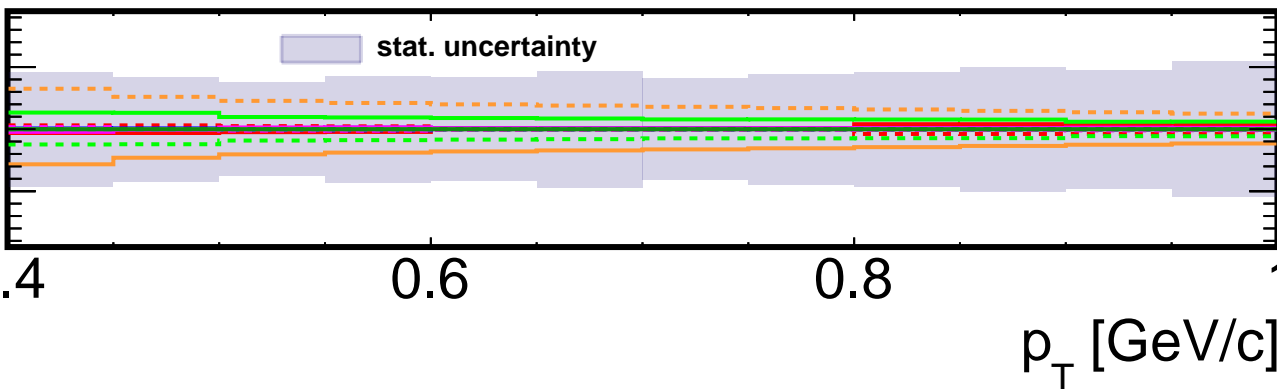
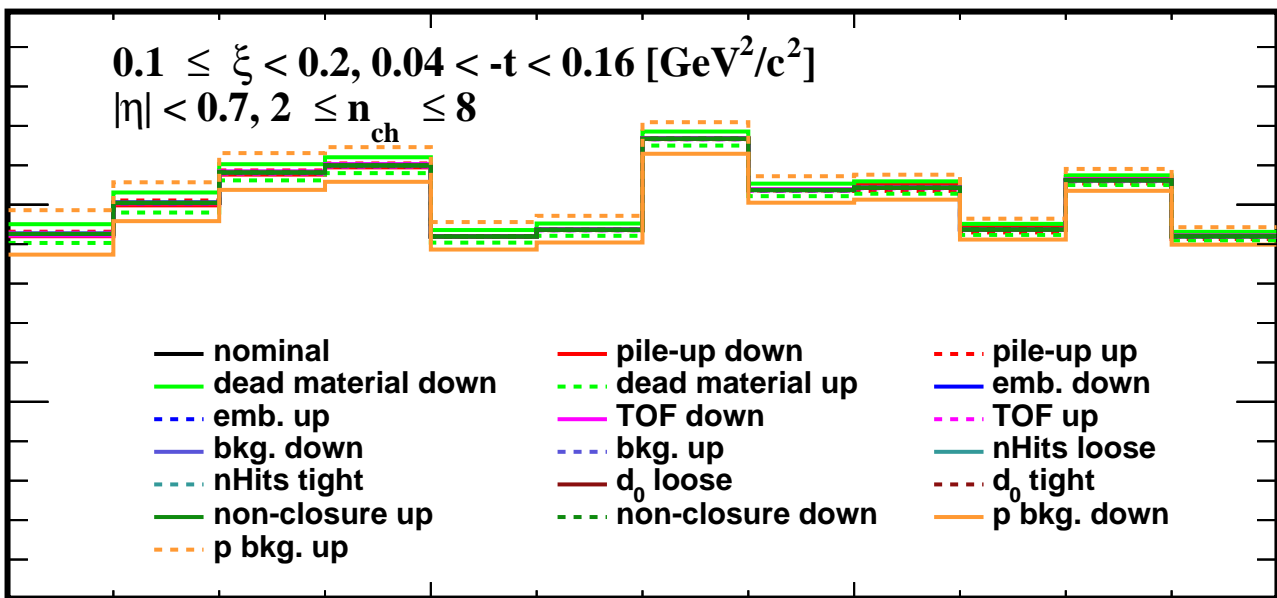
stat. uncertainty

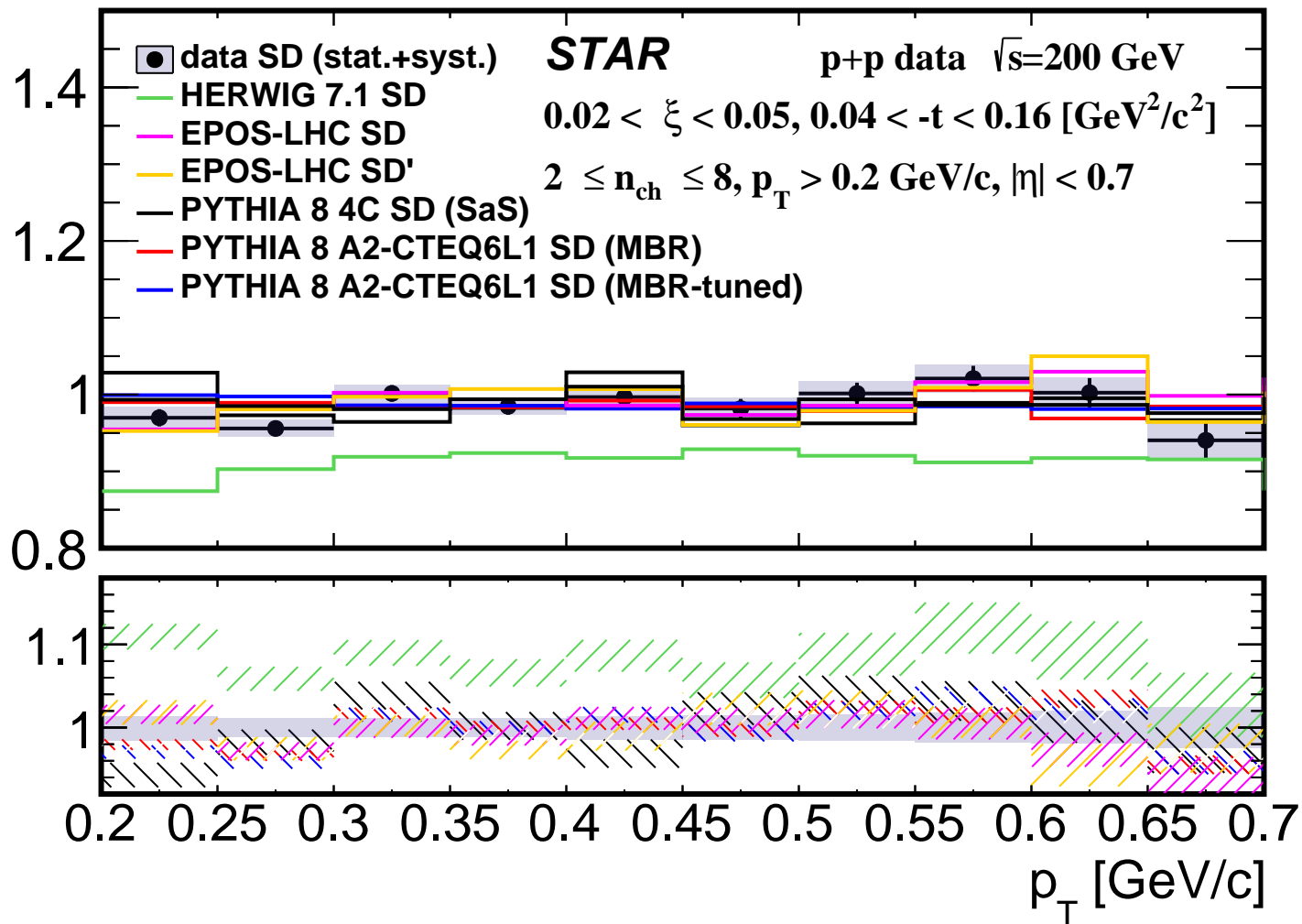
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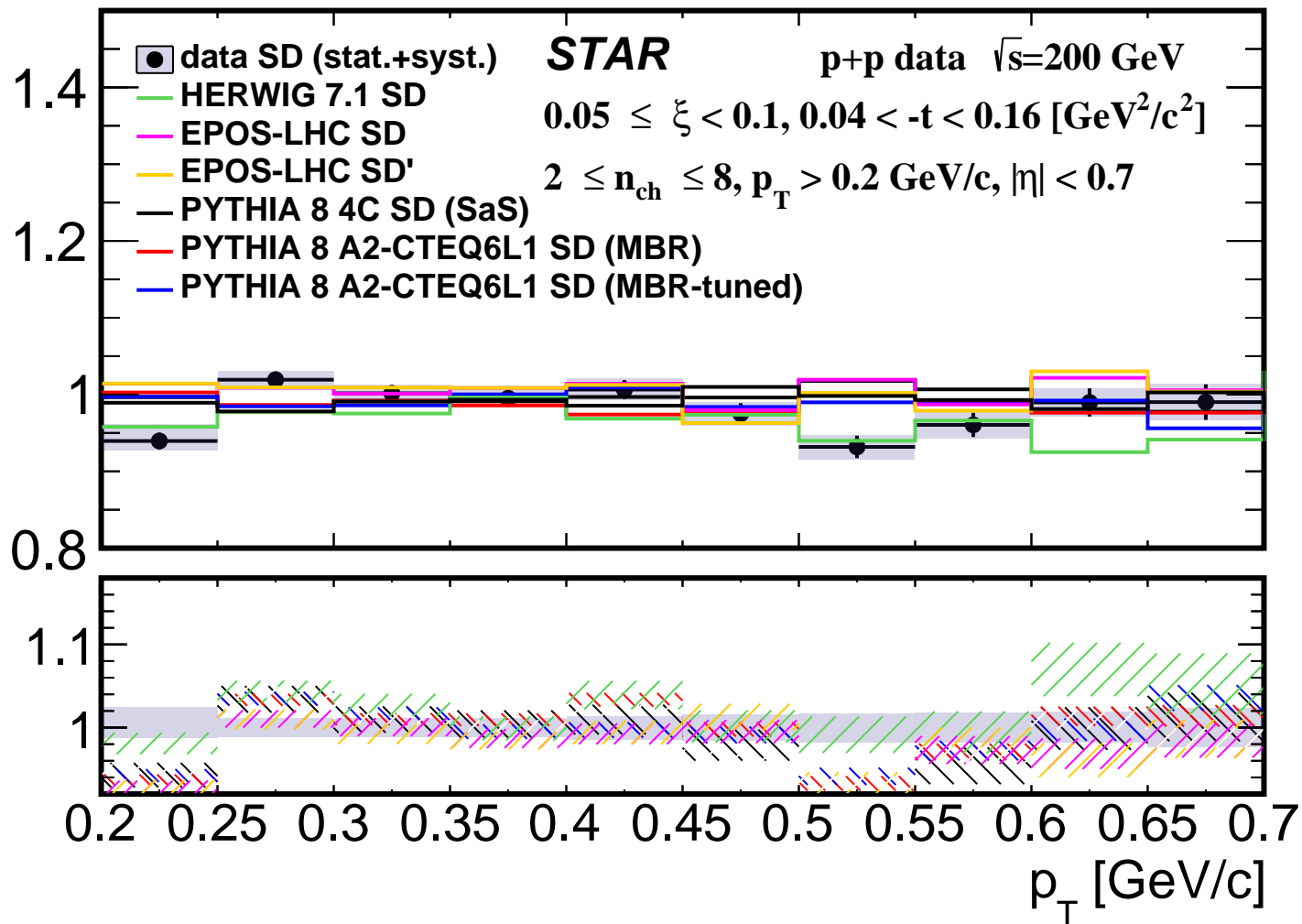
0.6

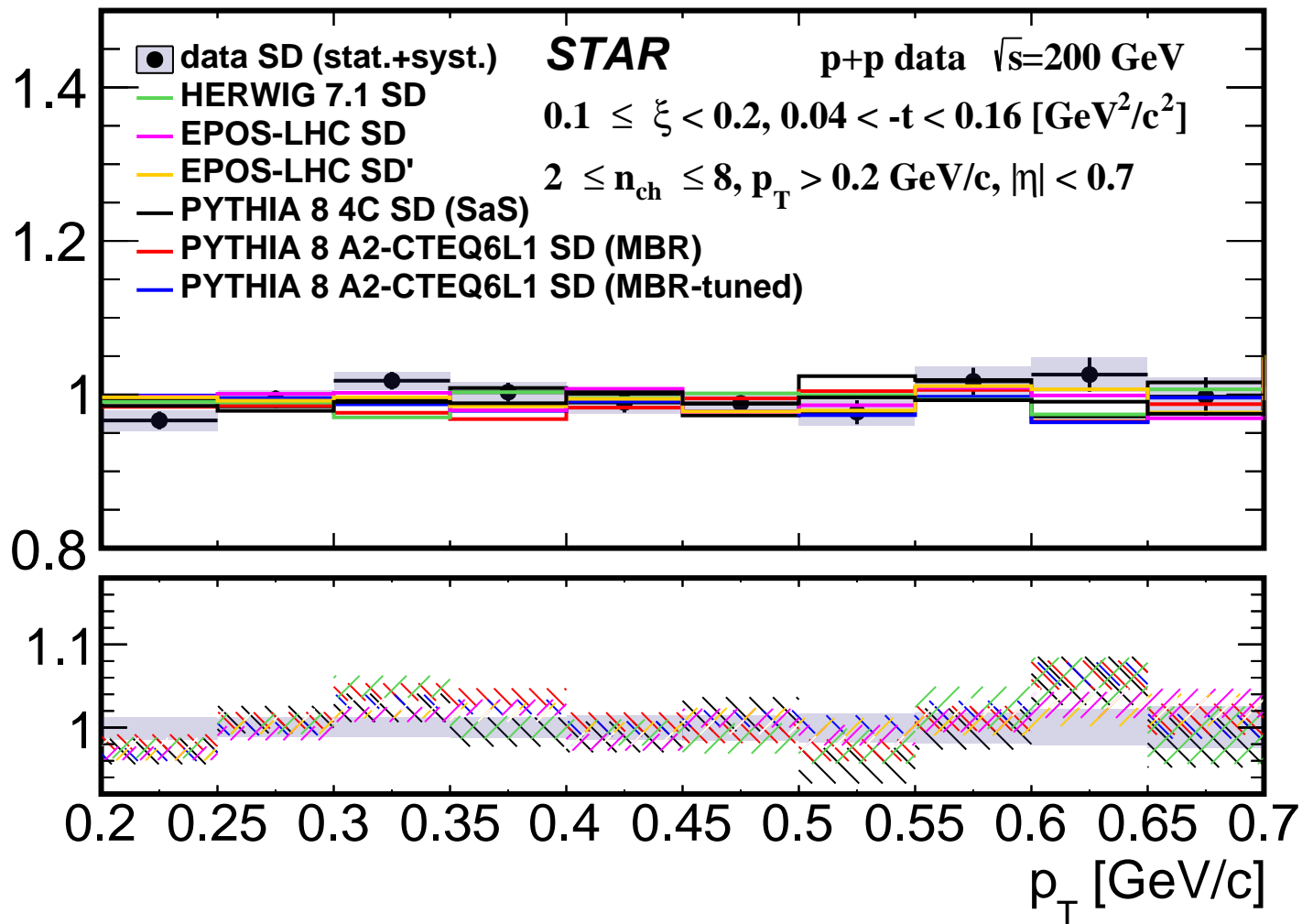
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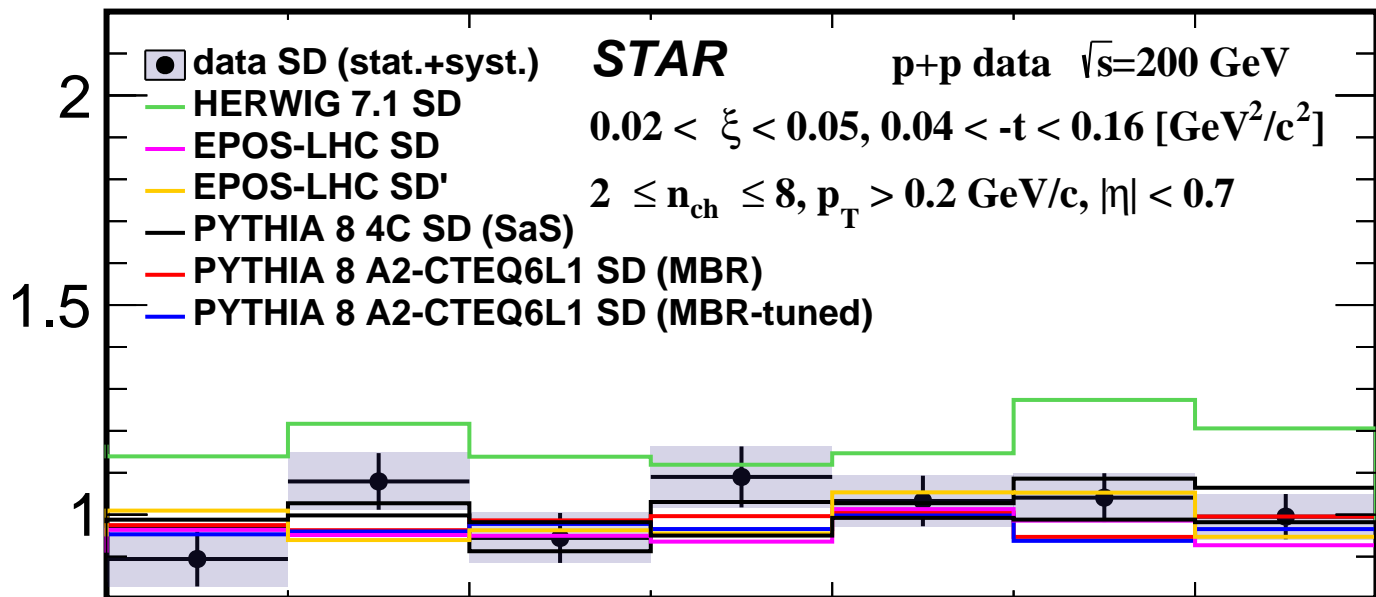
1

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

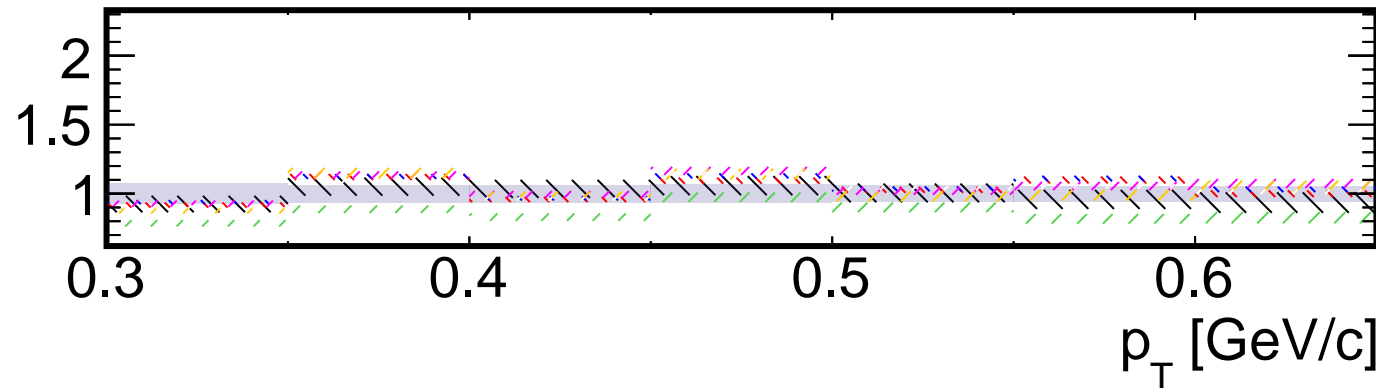
π^-/π^+ ratio

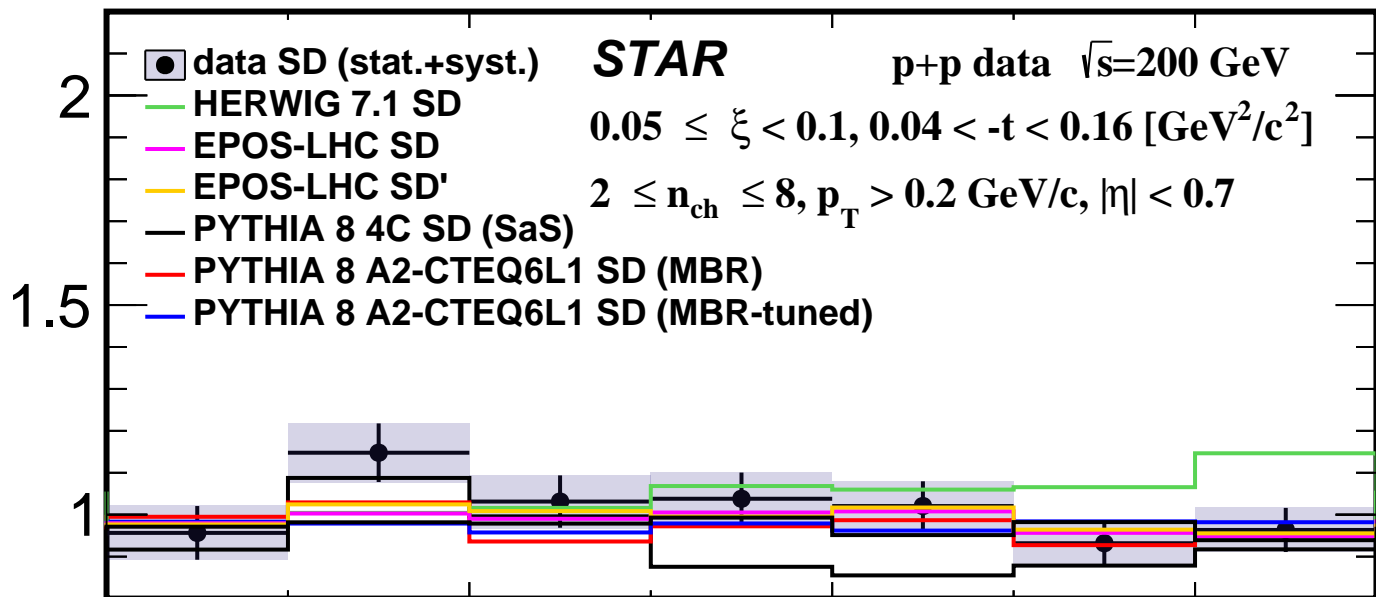
π^-/π^+ ratio

π^-/π^+ ratio

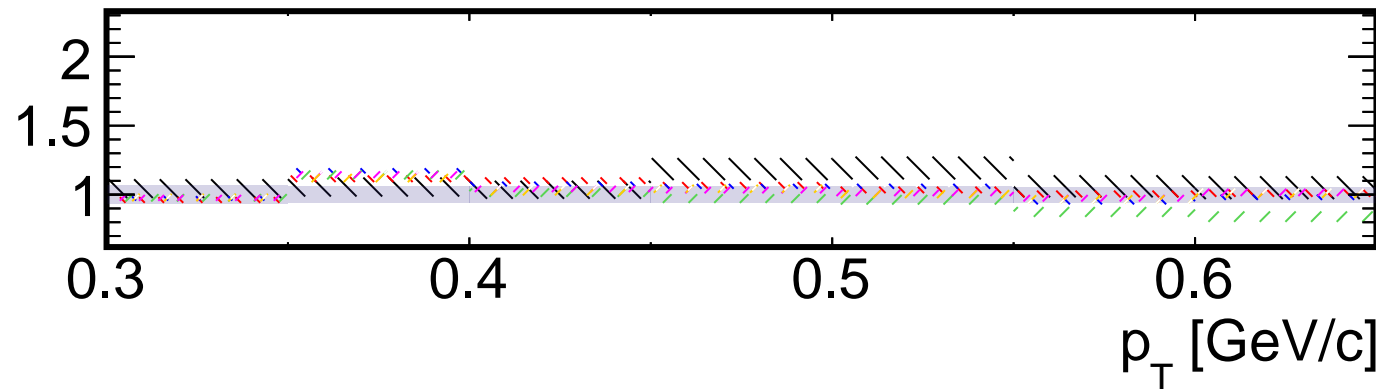
K/K^+ ratio

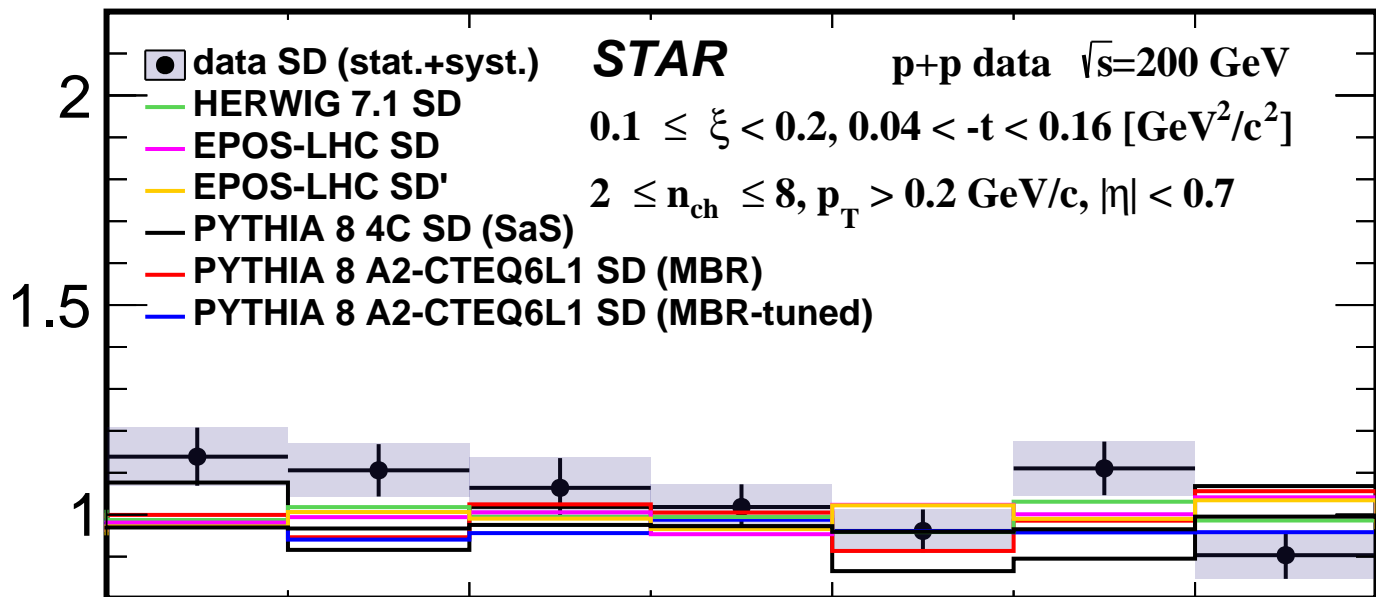
data/MC



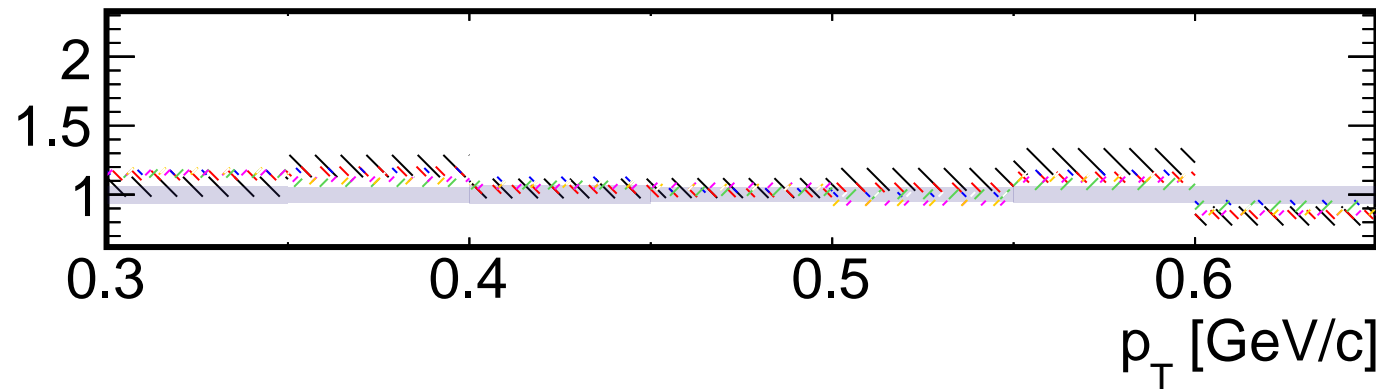
K/K^+ ratio

data/MC



K/K^+ ratio

data/MC



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

- data SD (stat.+syst.)
- HERWIG 7.1 SD
- EPOS-LHC SD
- EPOS-LHC 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

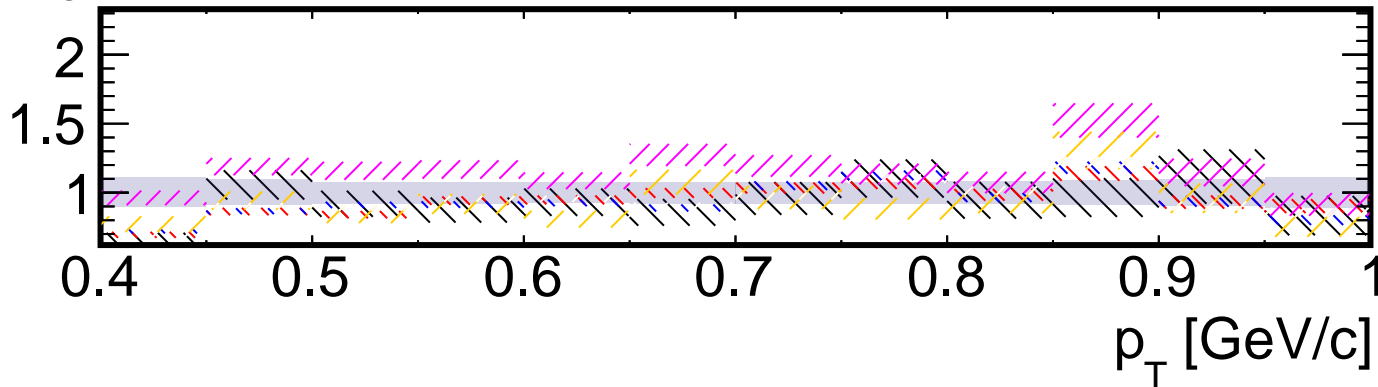
0.6

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

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

2

1

0

data/MC

1.5

0.4

0.5

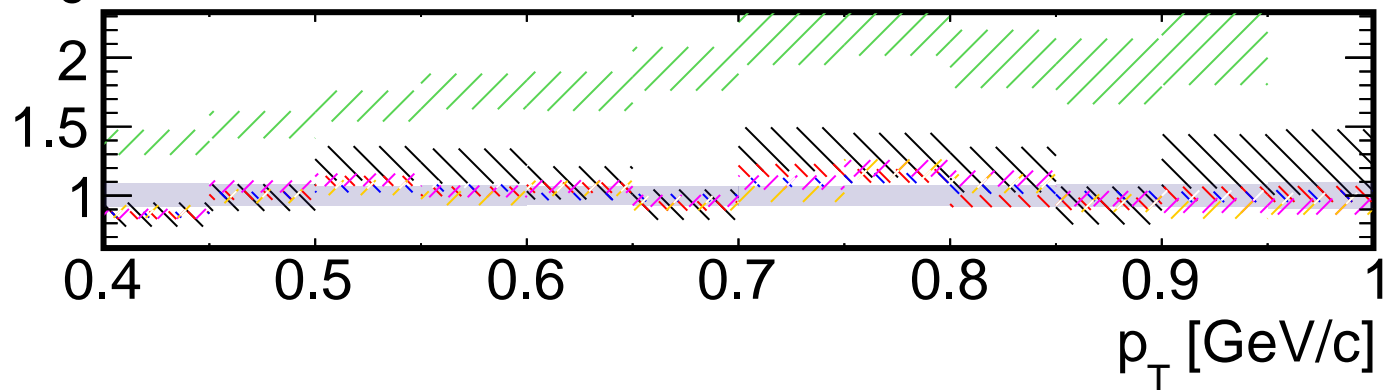
0.6

0.7

0.8

0.9

1

 p_T [GeV/c]

\bar{p}/p ratio

STAR

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

$0.1 \leq \xi < 0.2, 0.04 < -t < 0.16$ [GeV²/c²]

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

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- HERWIG 7.1 SD
- EPOS-LHC SD
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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]

