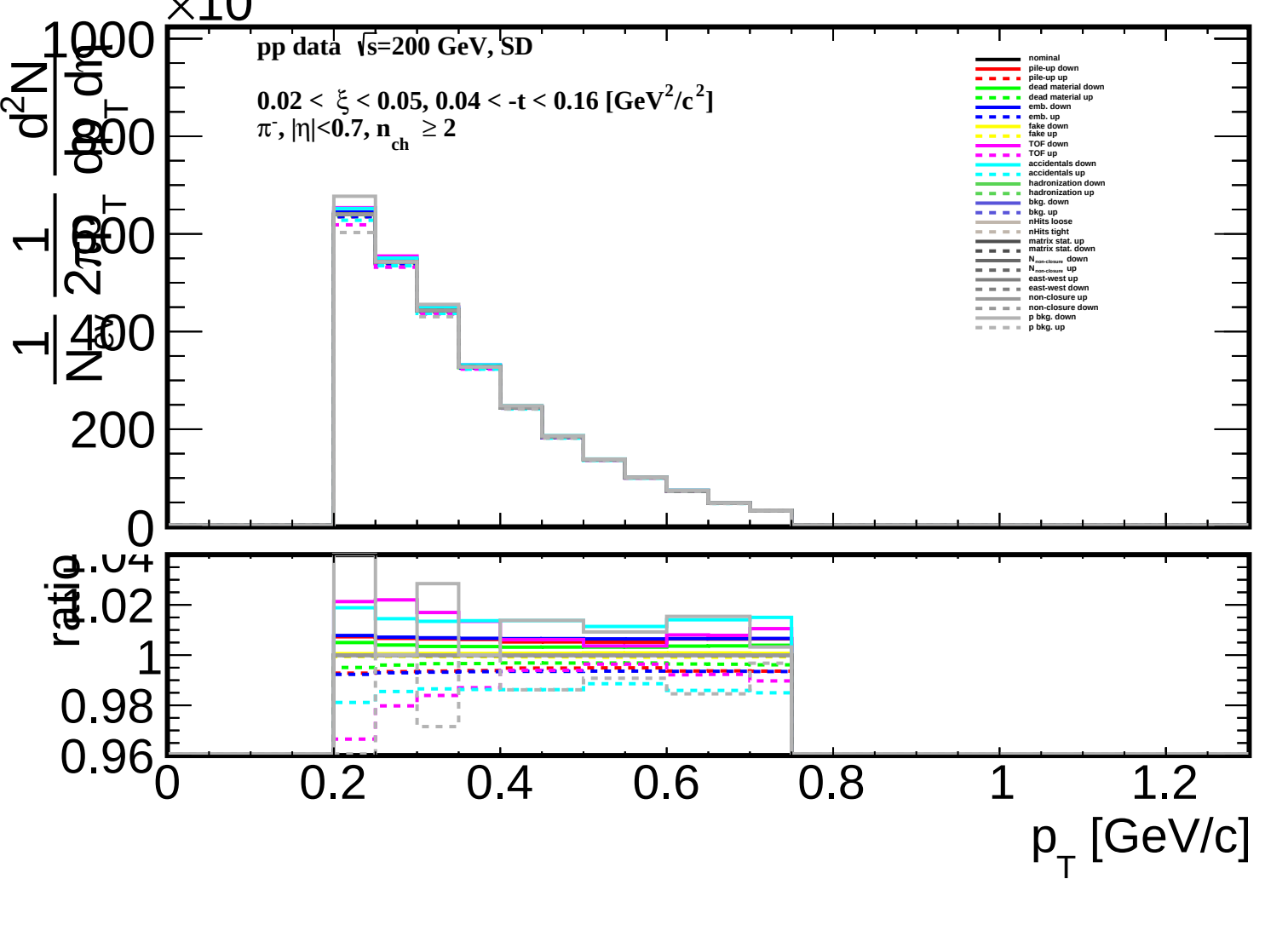
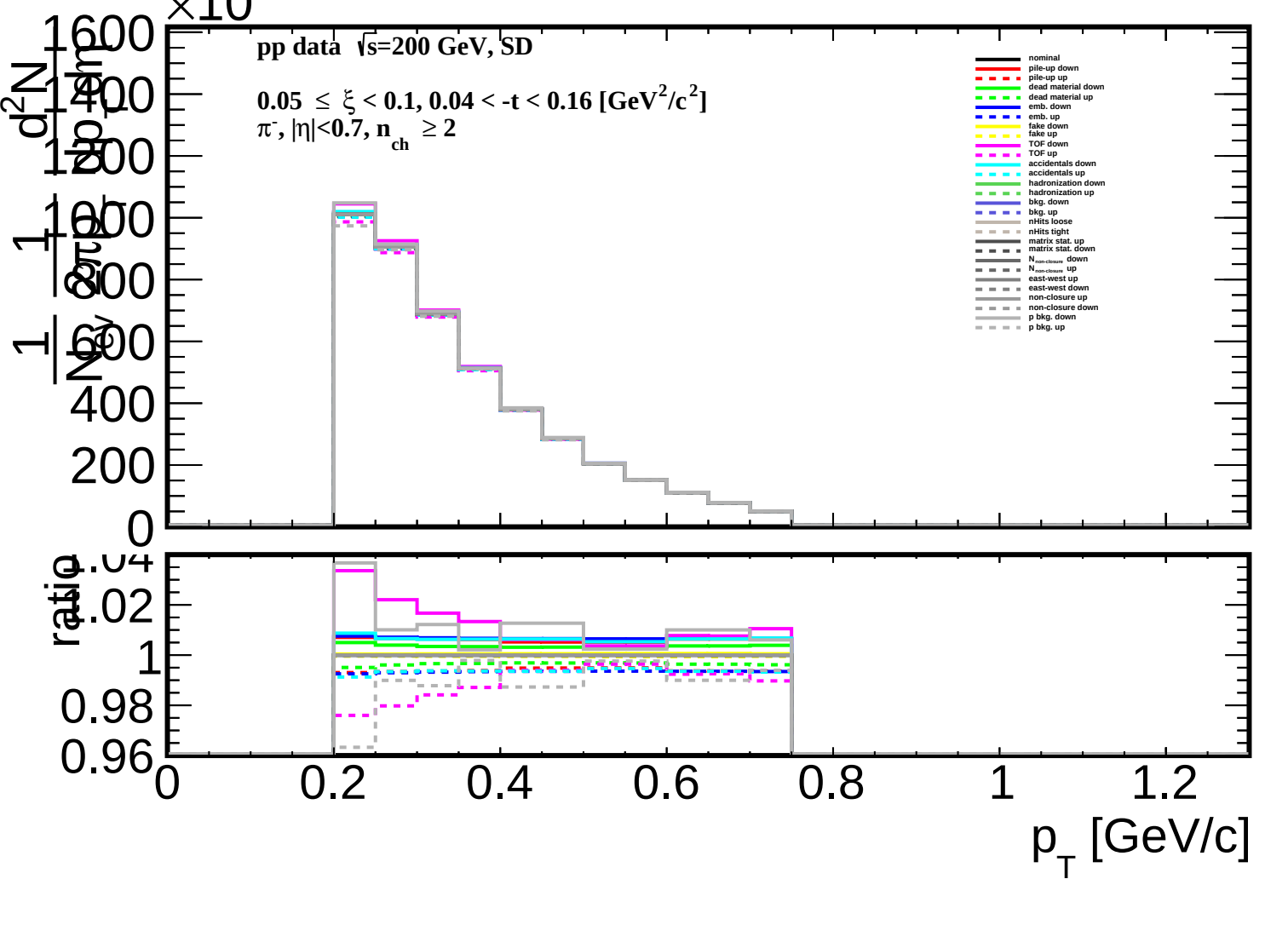
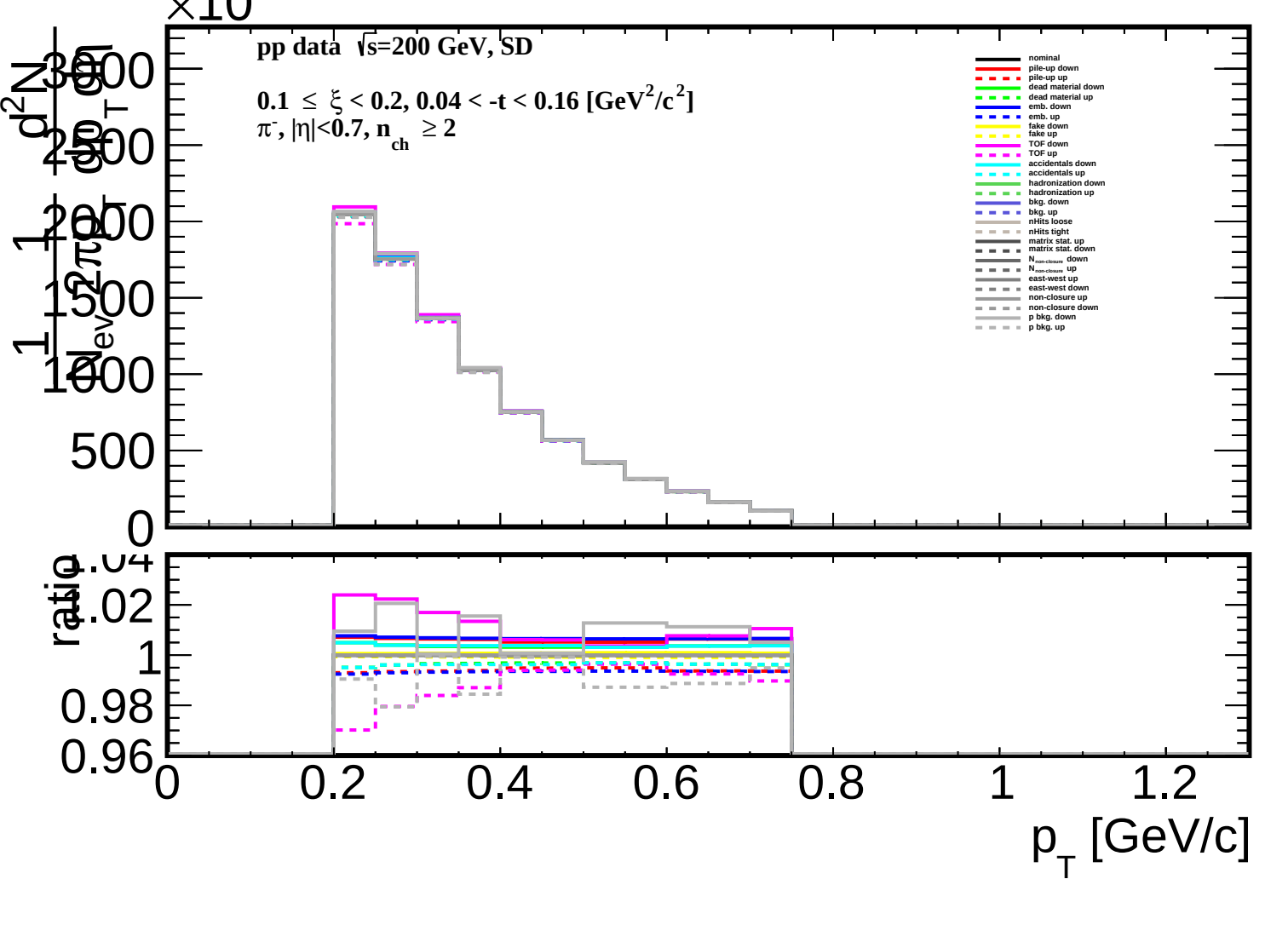
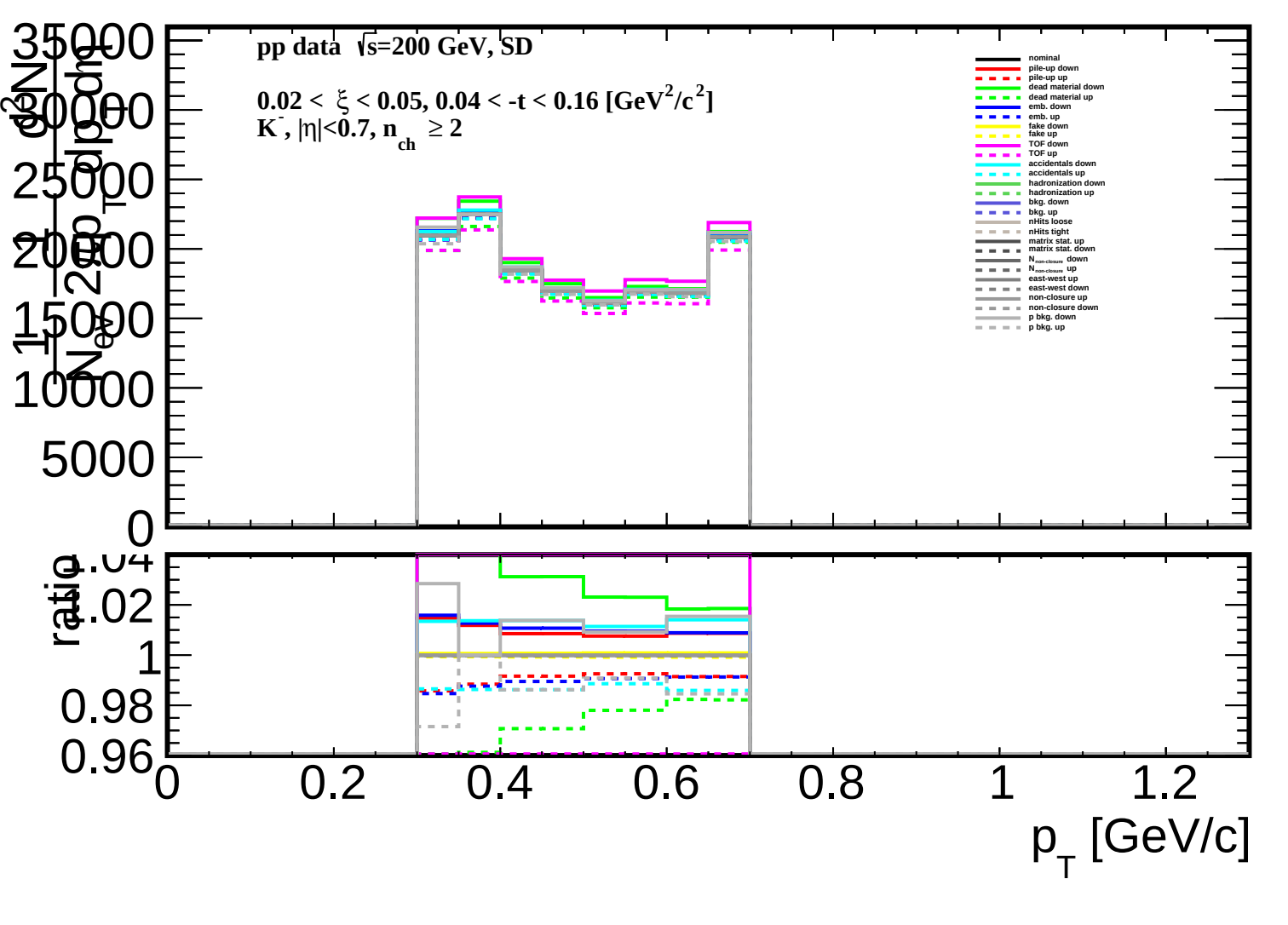

pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
π⁻, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
×10
1/N_ch d²N/2πp_T dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
π⁻, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N_non-closure down
N_non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
π⁻, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N/dp_T dη
1/N_ev 2π p_T
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
K⁻, |η|<0.7, n_ch ≥ 2
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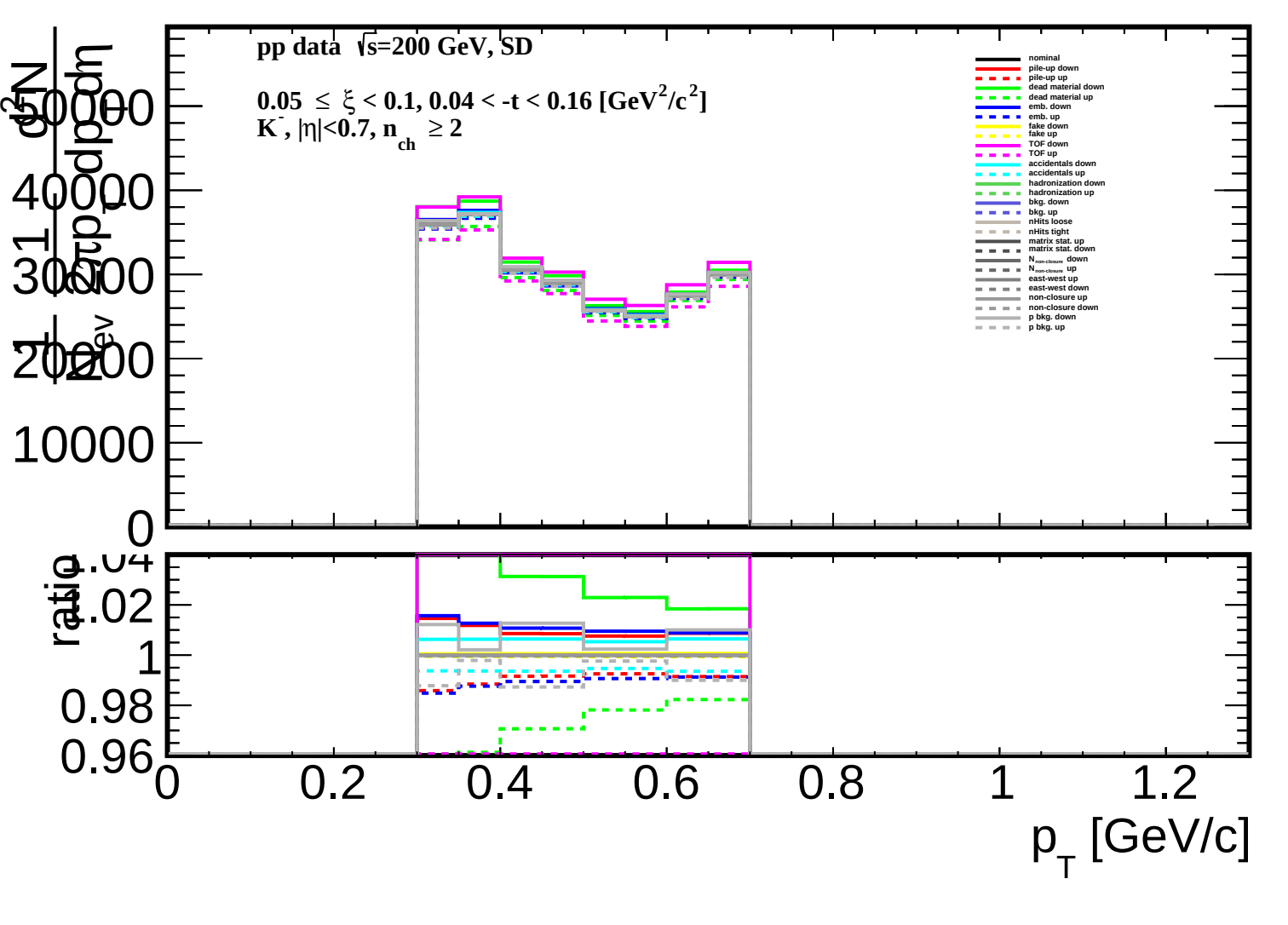
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N_ch/dη dp_T
N_ev
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
K⁻, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
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fake up
TOF down
TOF up
accidentals down
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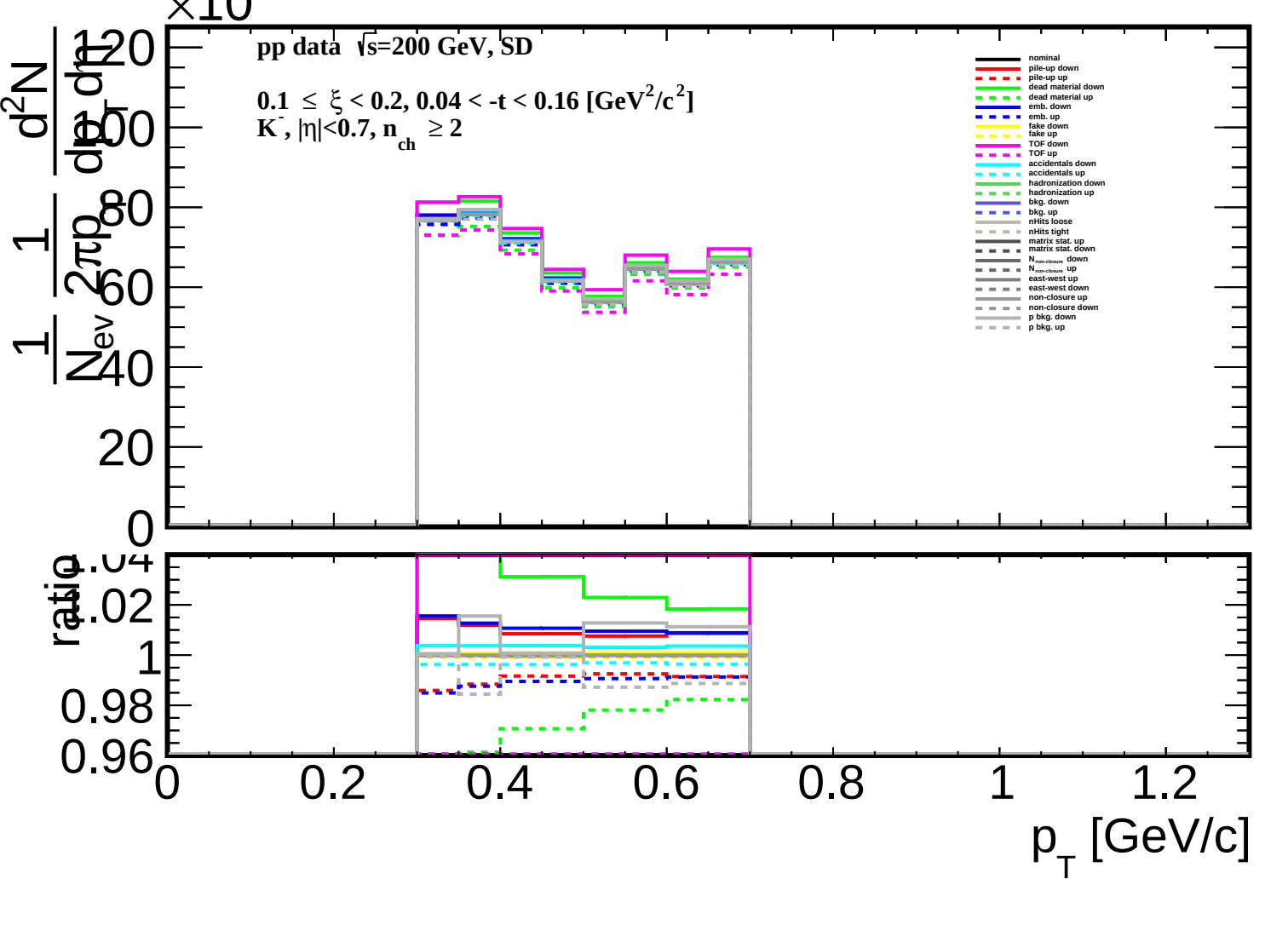
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N/dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
K⁻, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
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emb. up
fake down
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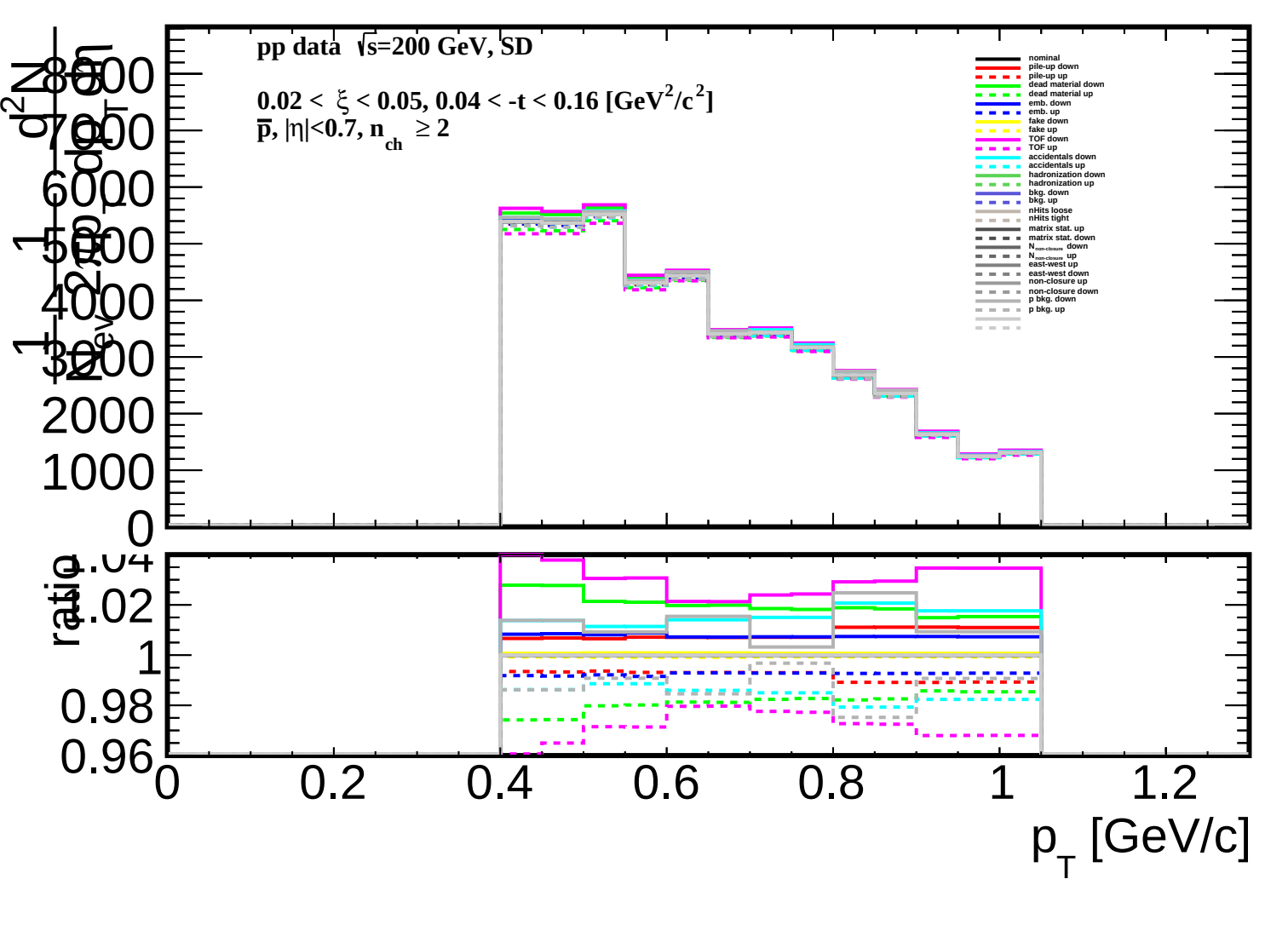
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
×10
1/N_ev 1/2πp_T d²N/dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
p̄, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
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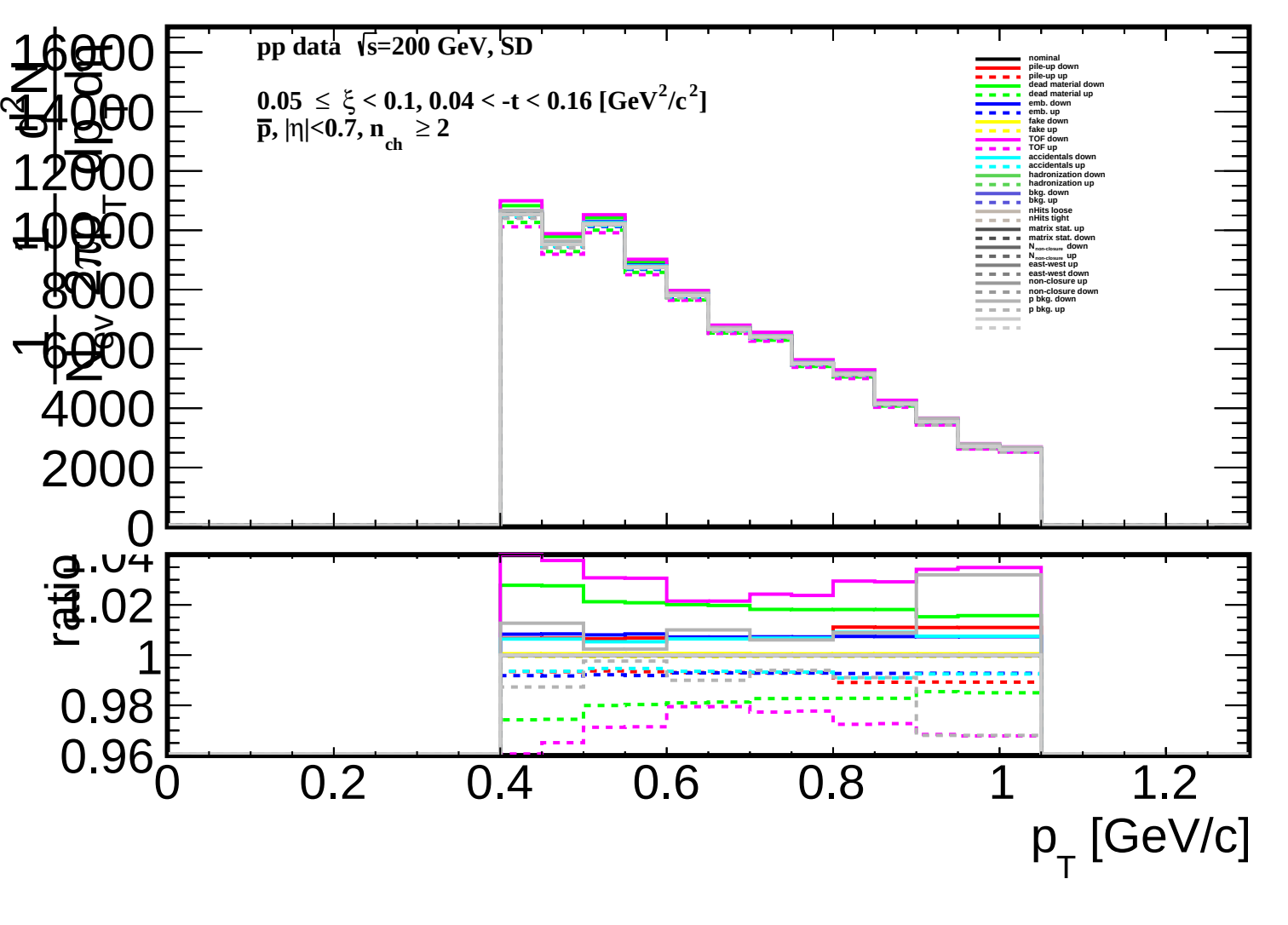
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N/dp_T dη
1/2π 1/N_ev
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
p̄, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
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dead material up
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emb. up
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fake up
TOF down
TOF up
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accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
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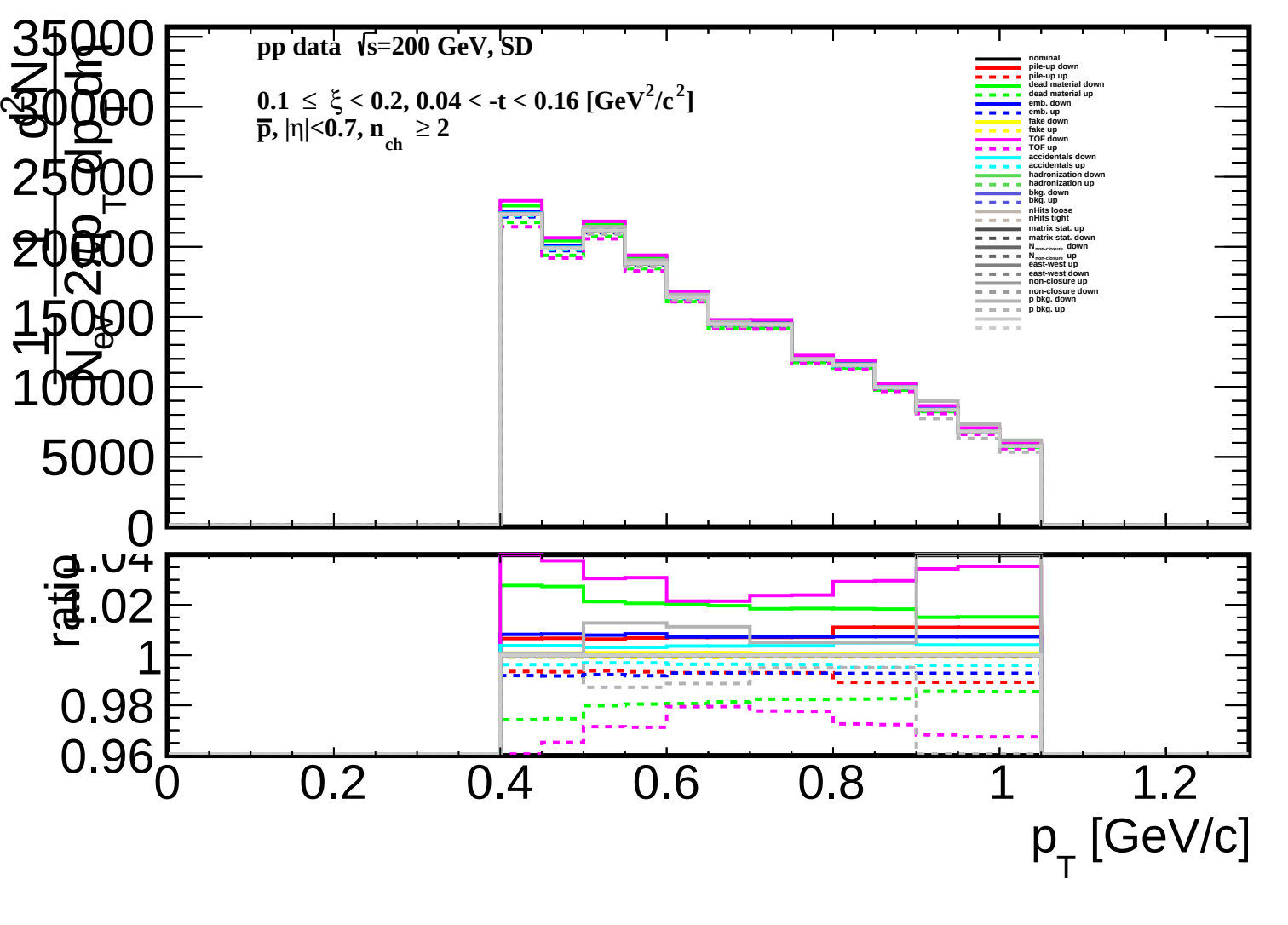
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N / dp_T dy
1/2π p_T
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
p̄, |η|<0.7, n_ch ≥ 2
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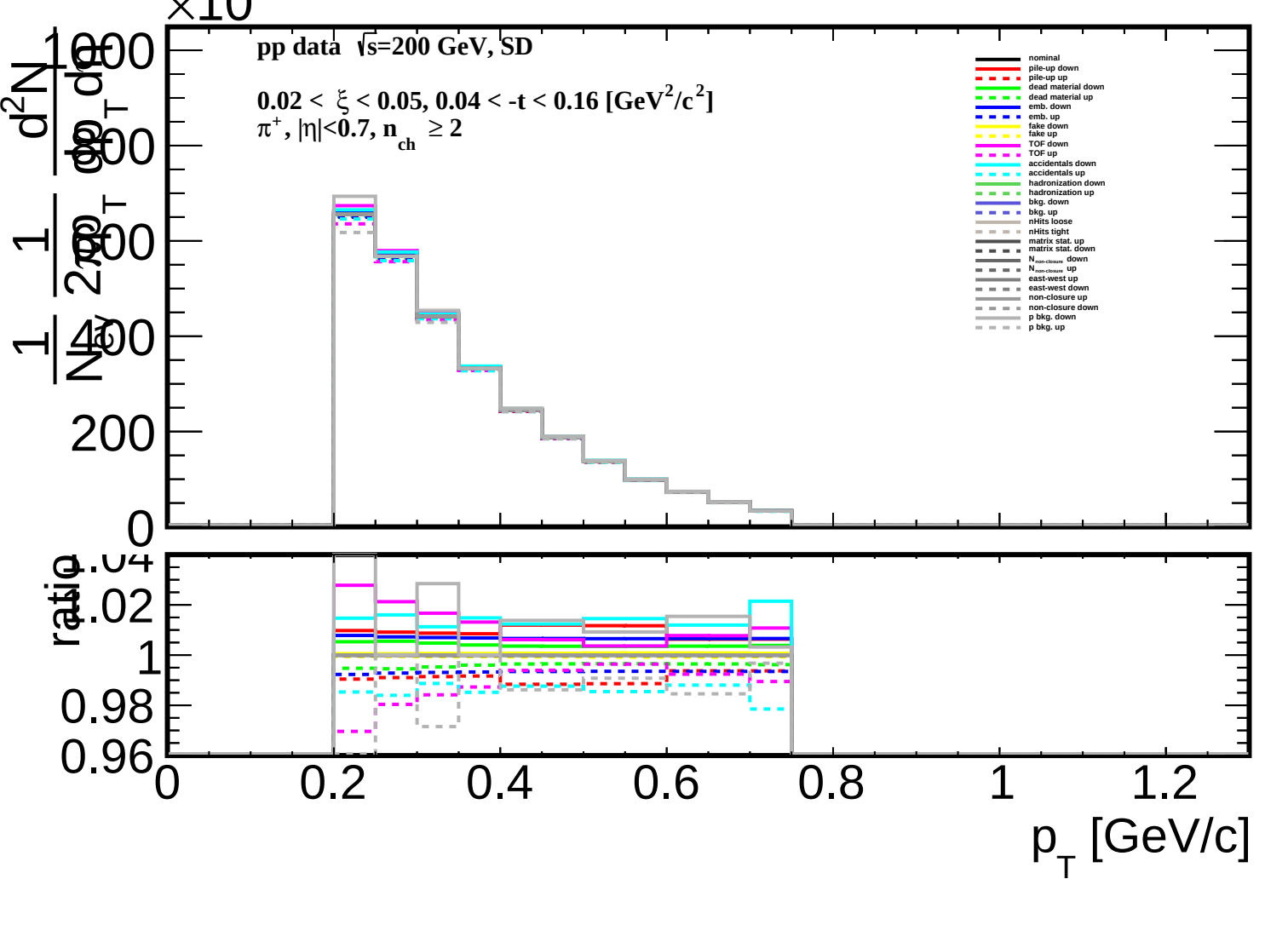
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N/dp_T dη
N_ev
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
π⁺, |η|<0.7, n_ch ≥ 2
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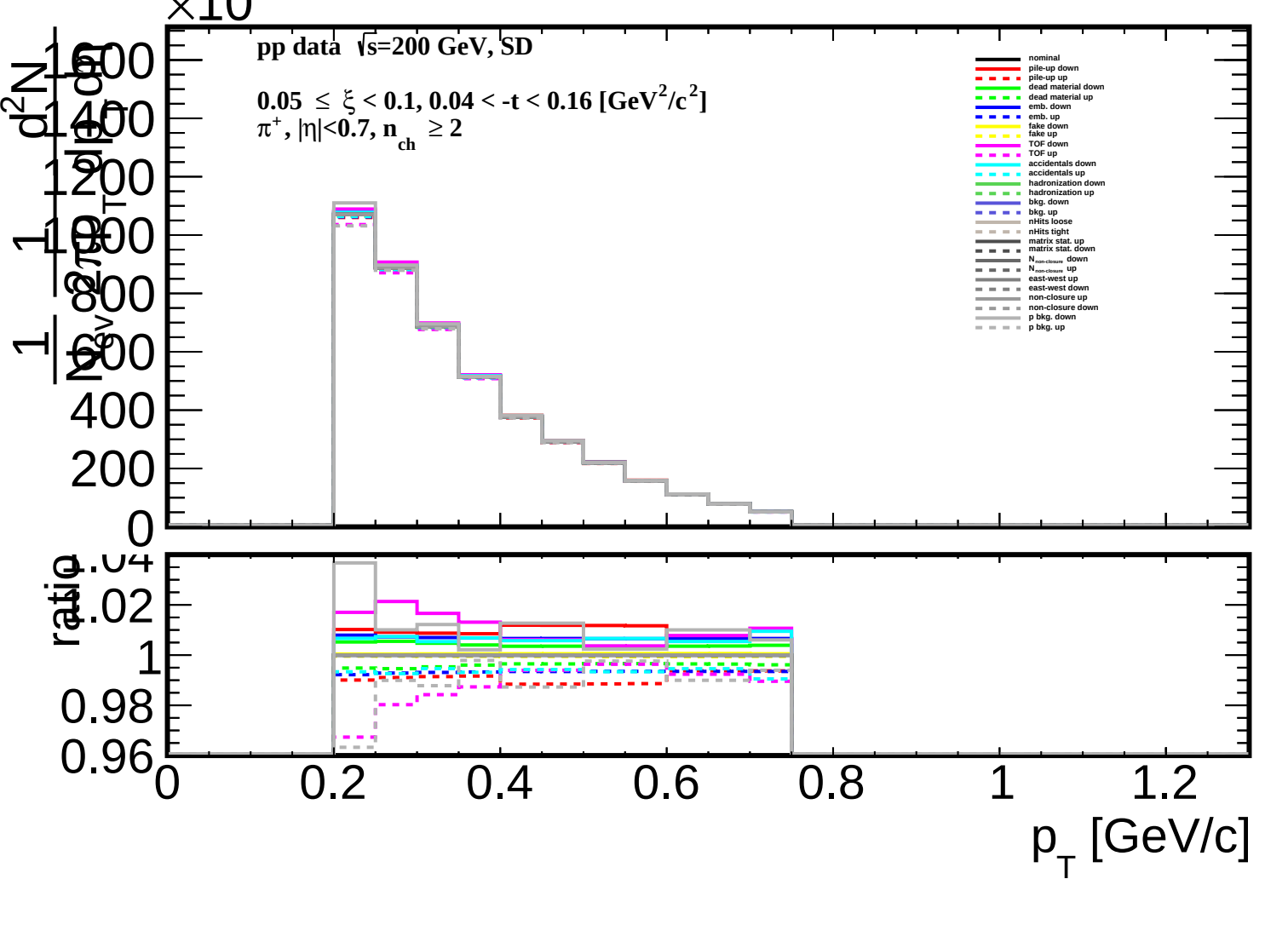
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
×10
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
π⁺, |η|<0.7, n_ch ≥ 2
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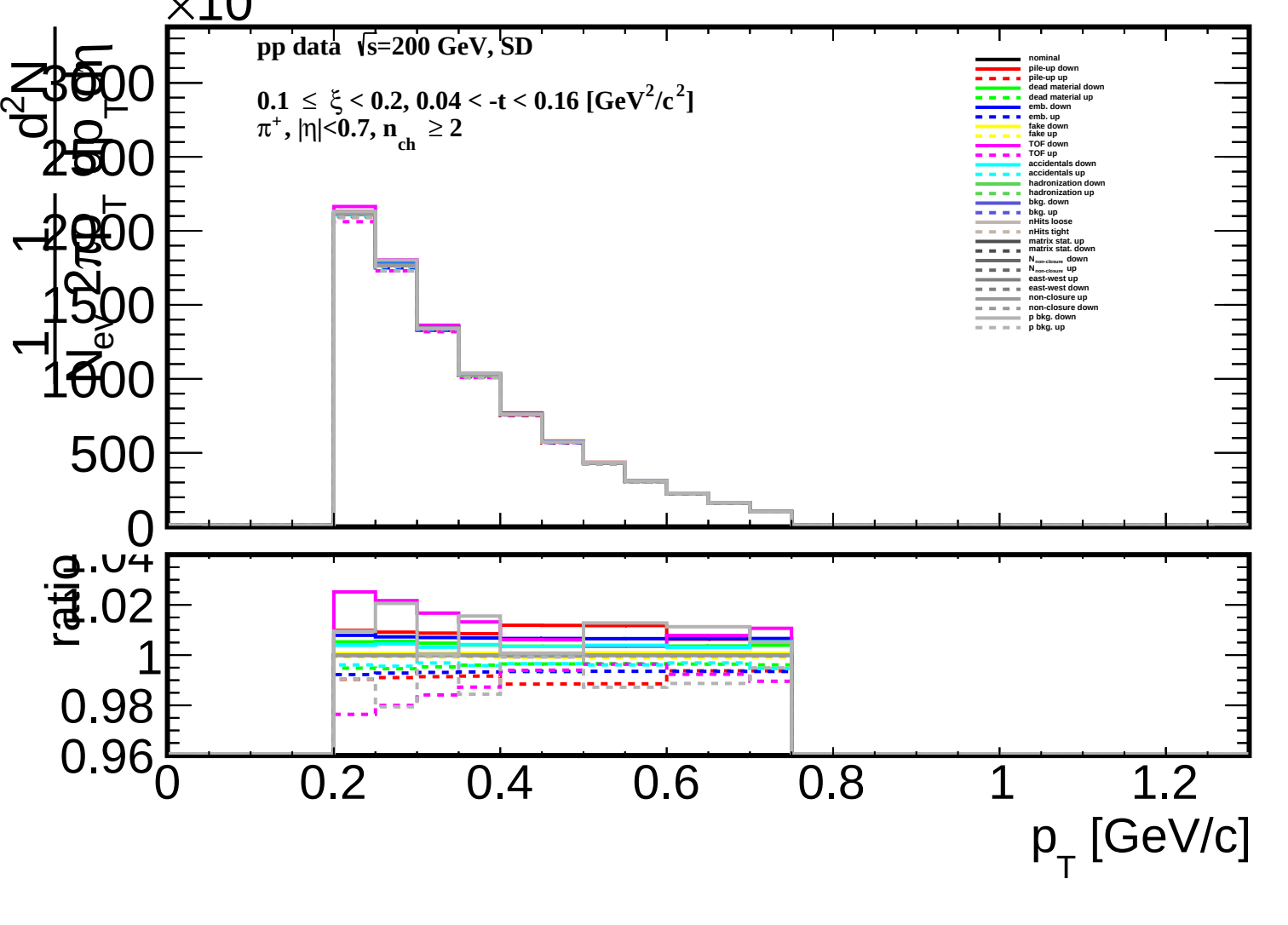
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
π⁺, |η|<0.7, n_ch ≥ 2
nominal
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pile-up up
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emb. up
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TOF down
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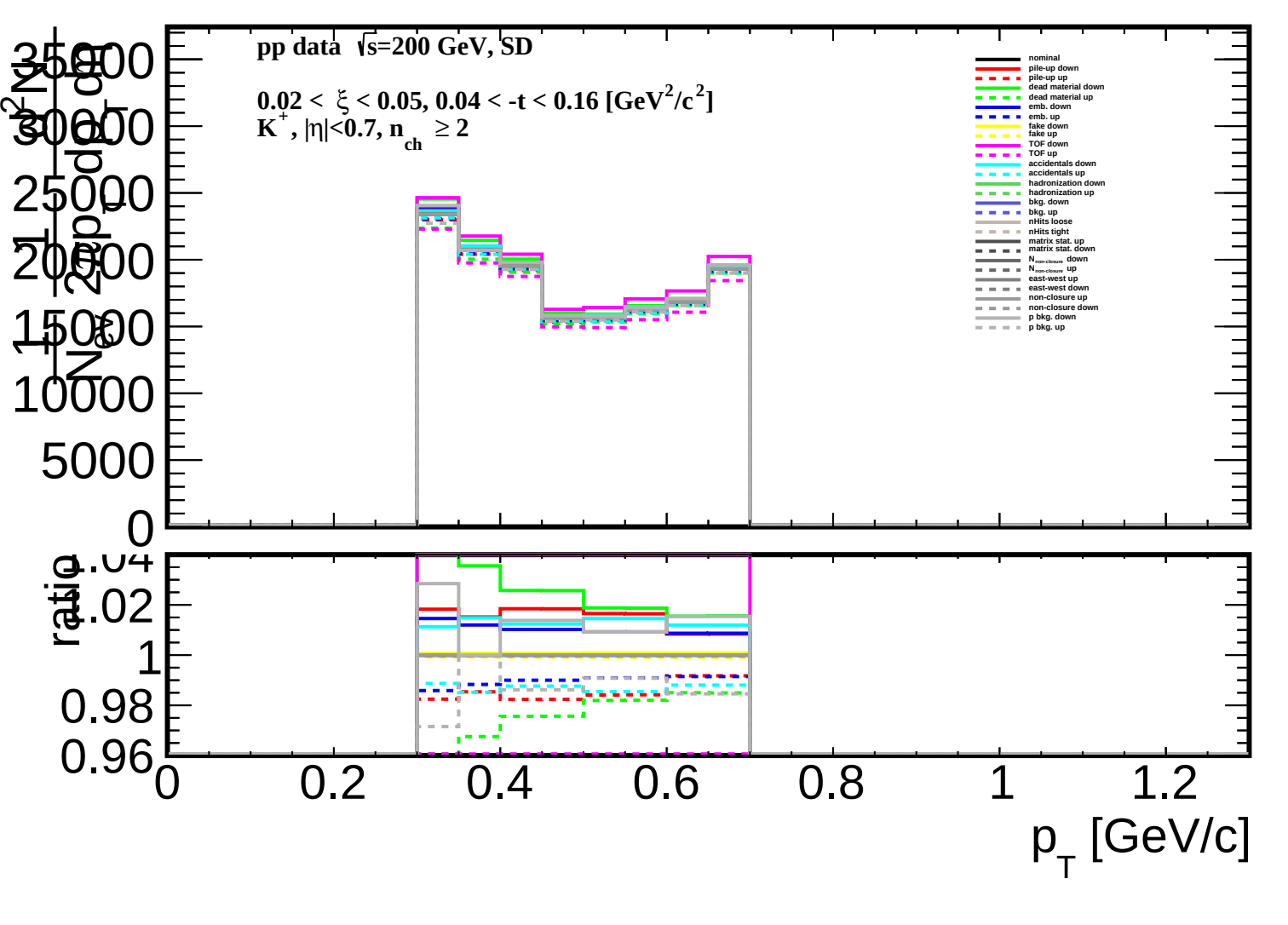
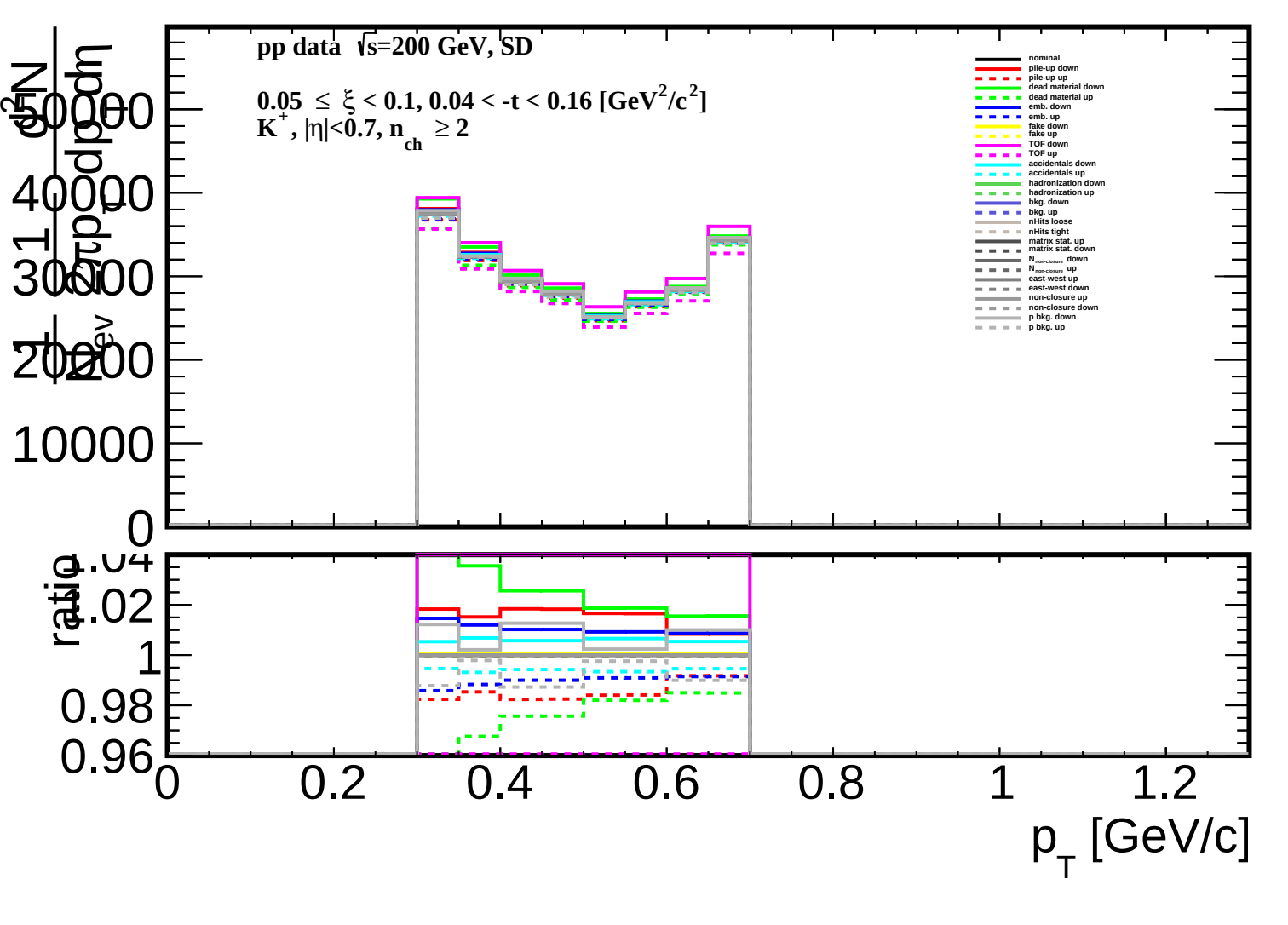
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
K⁺, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N_non-closure down
N_non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N_ch/dη dp_T
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
K⁺, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
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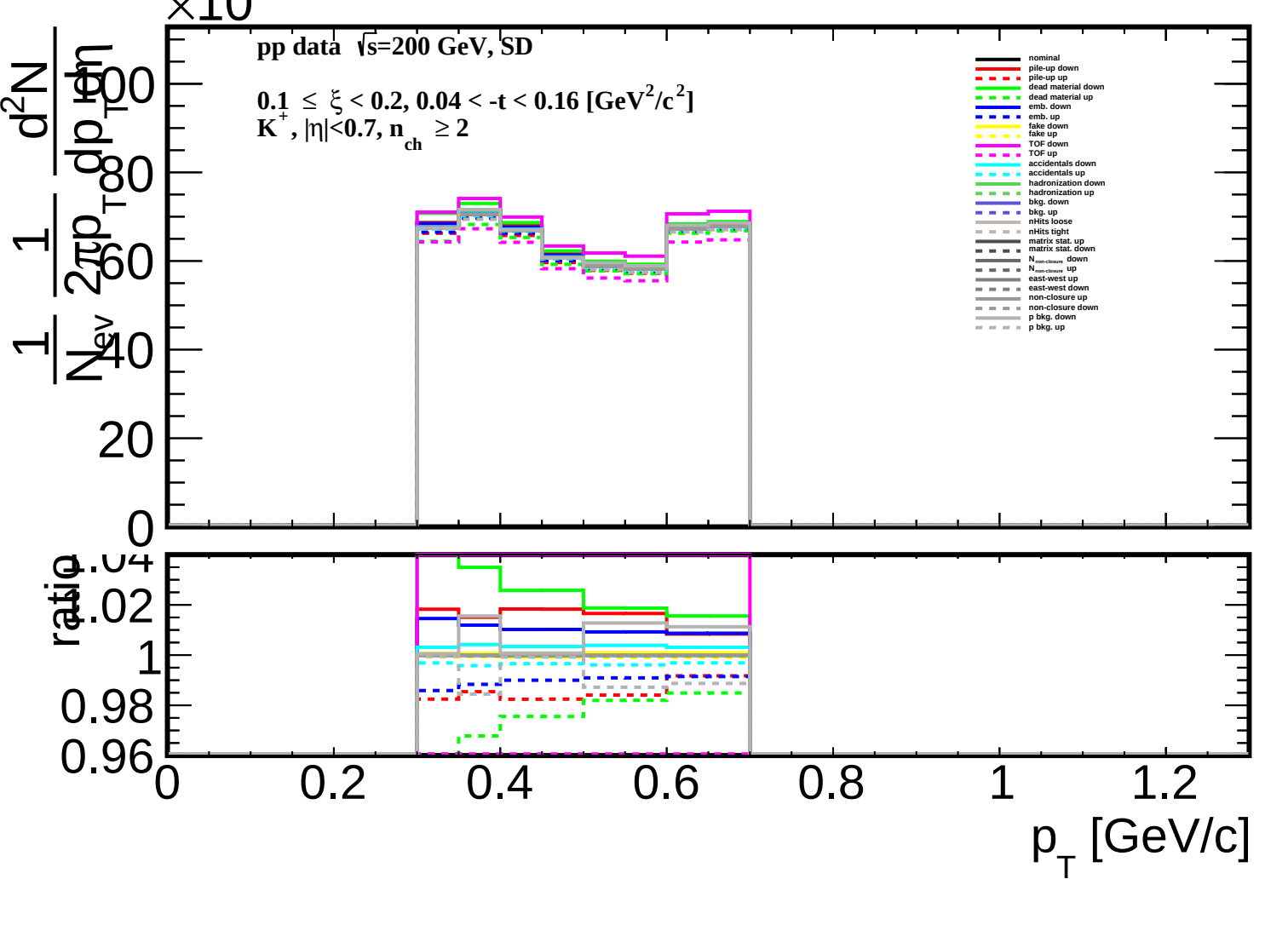
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N/dp_T dη
1/σ_pp dσ_pp/dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
K⁺, |η|<0.7, n_ch ≥ 2
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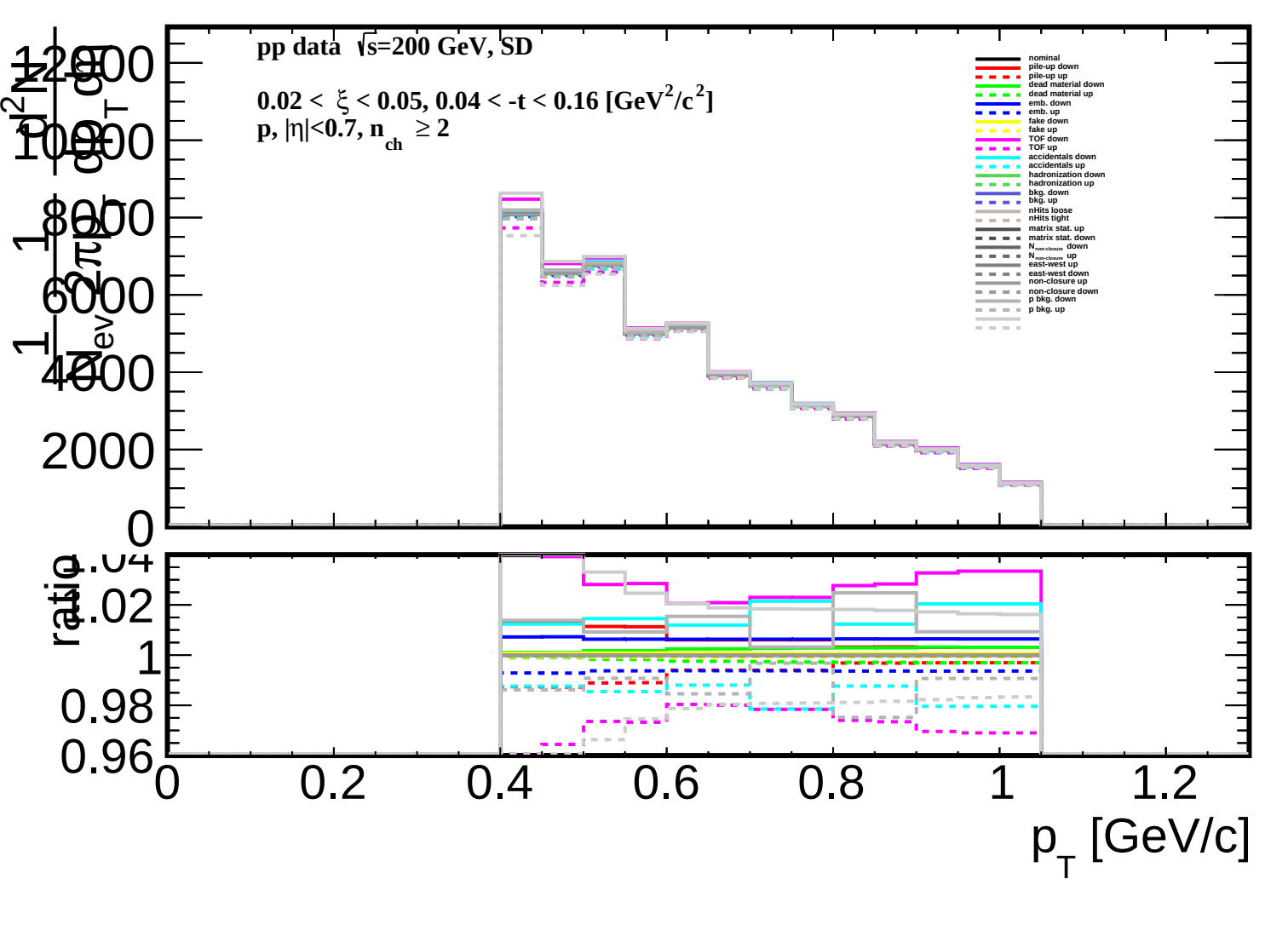
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
1/N_ev 1/2πp_T d²N/dp_T dη
×10
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
p, |η|<0.7, n_ch ≥ 2
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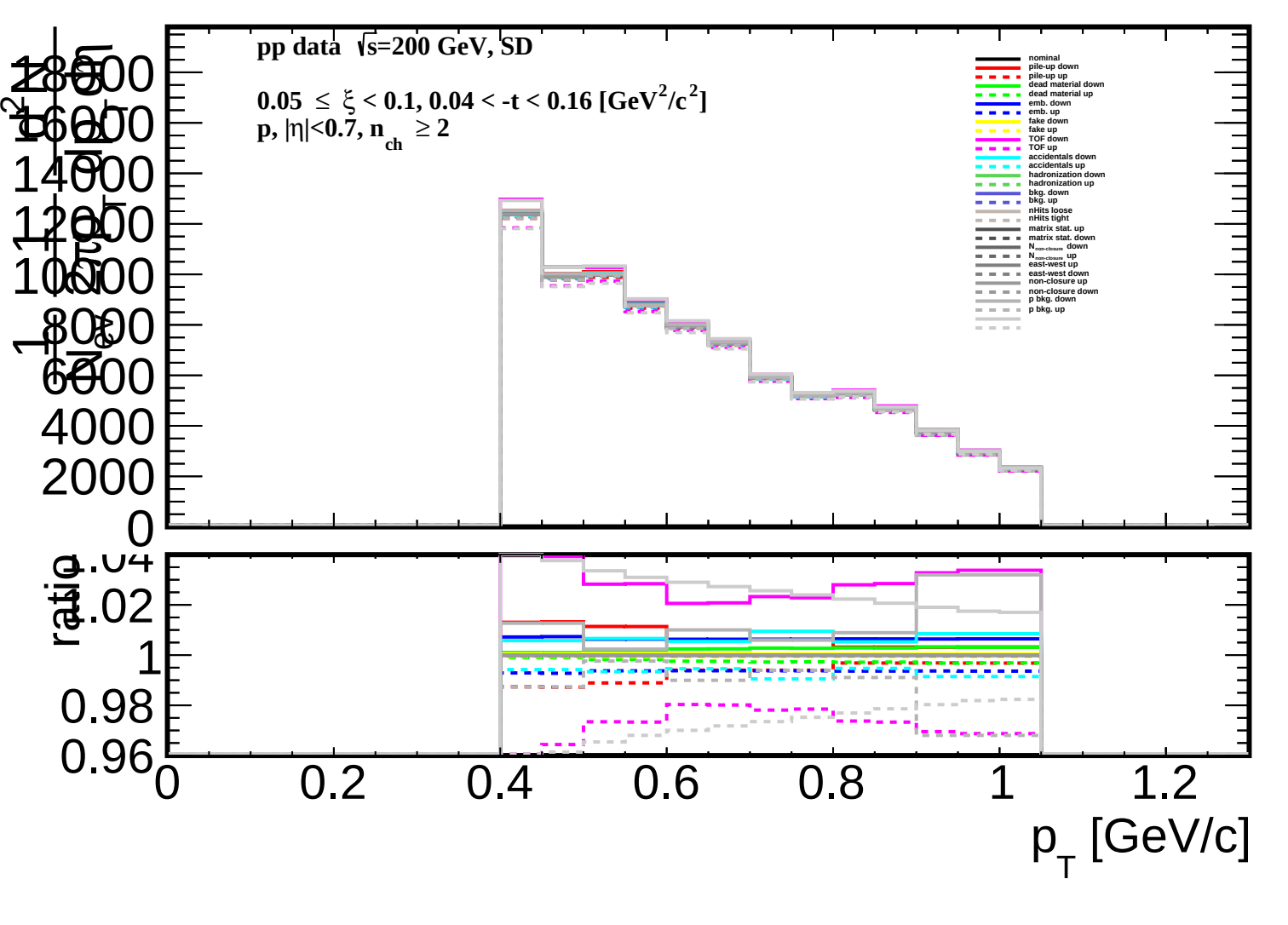
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
p, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
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TOF down
TOF up
accidentals down
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hadronization down
hadronization up
bkg. down
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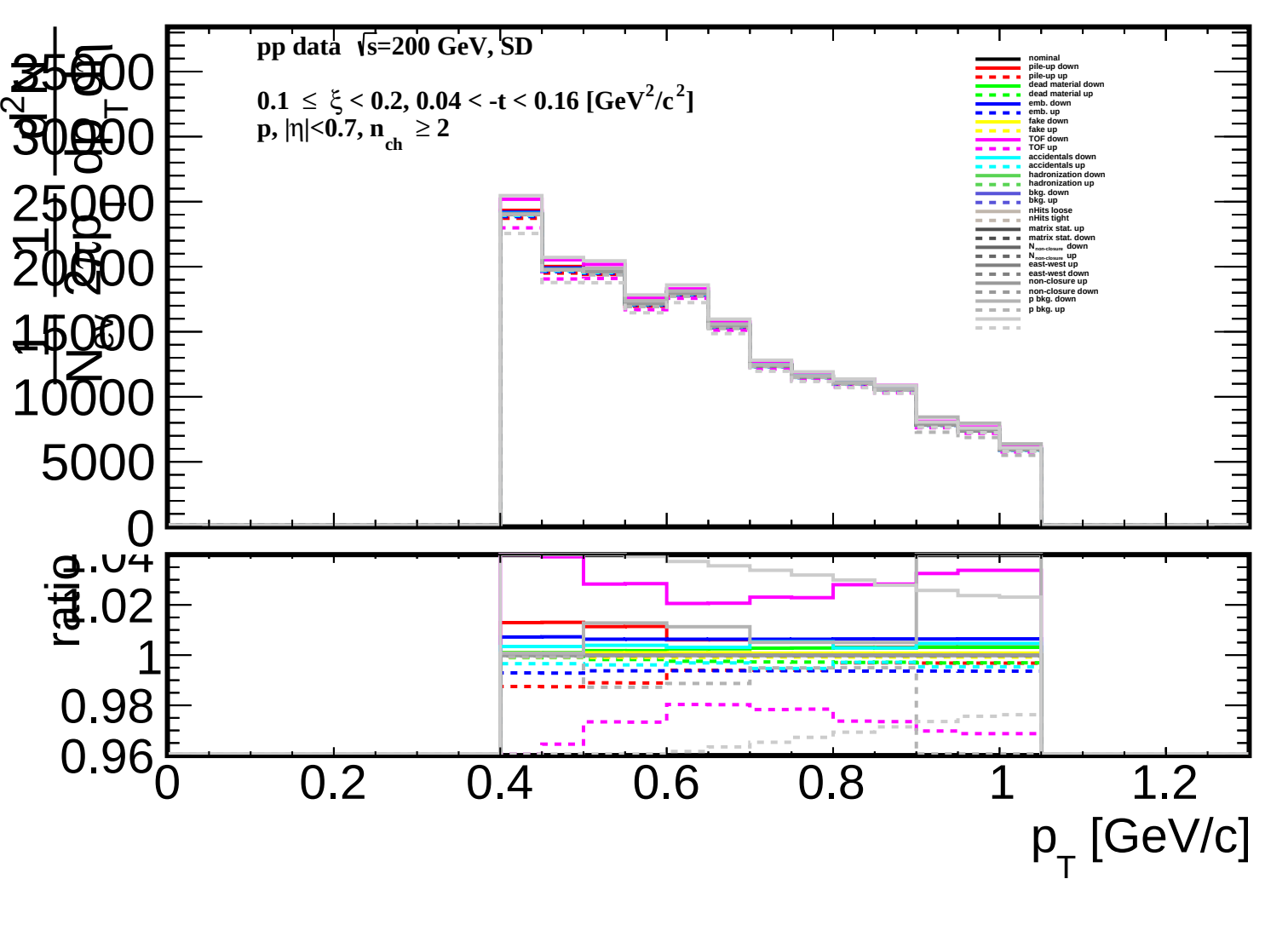
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
p, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
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dead material up
emb. down
emb. up
fake down
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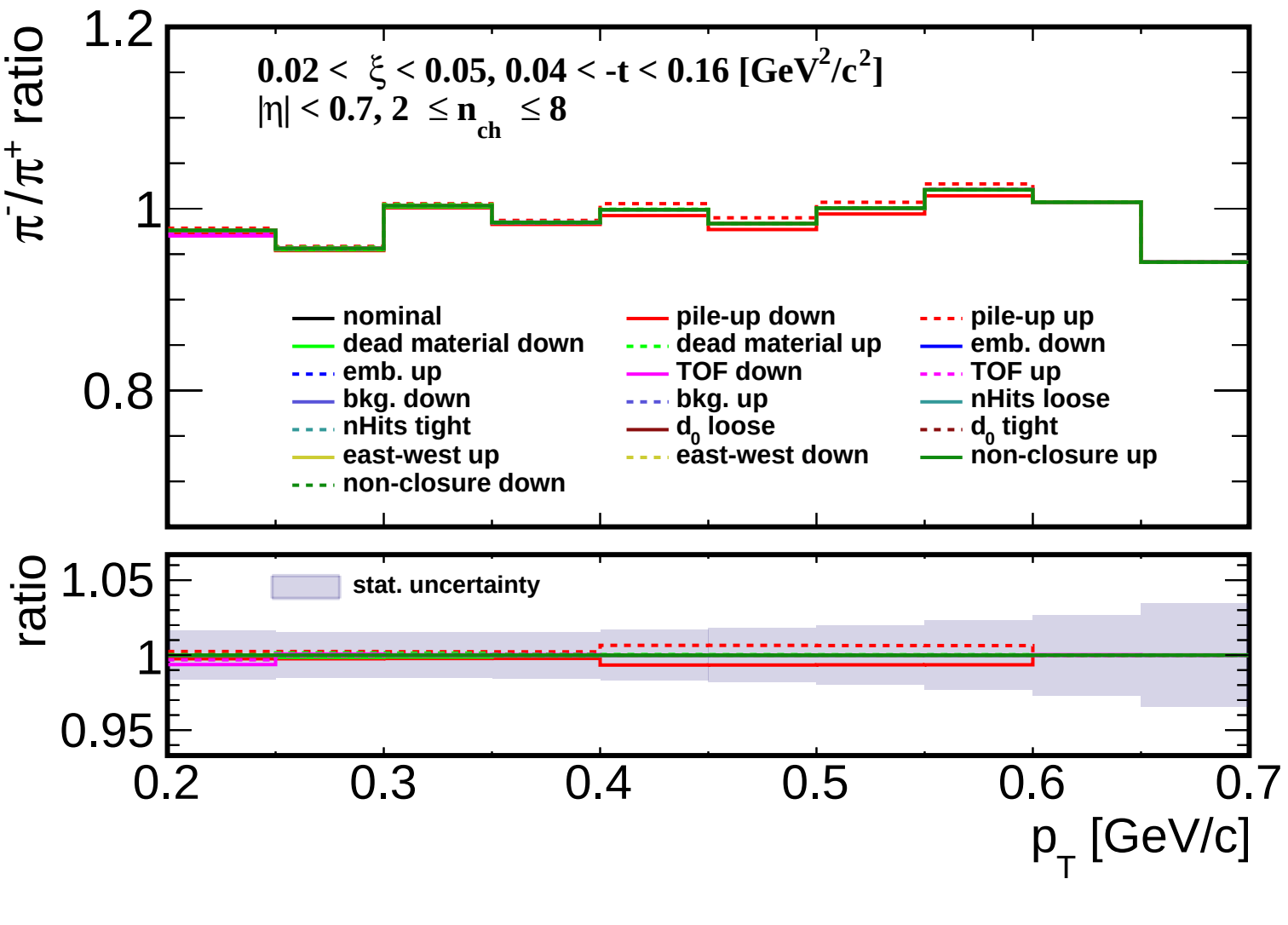
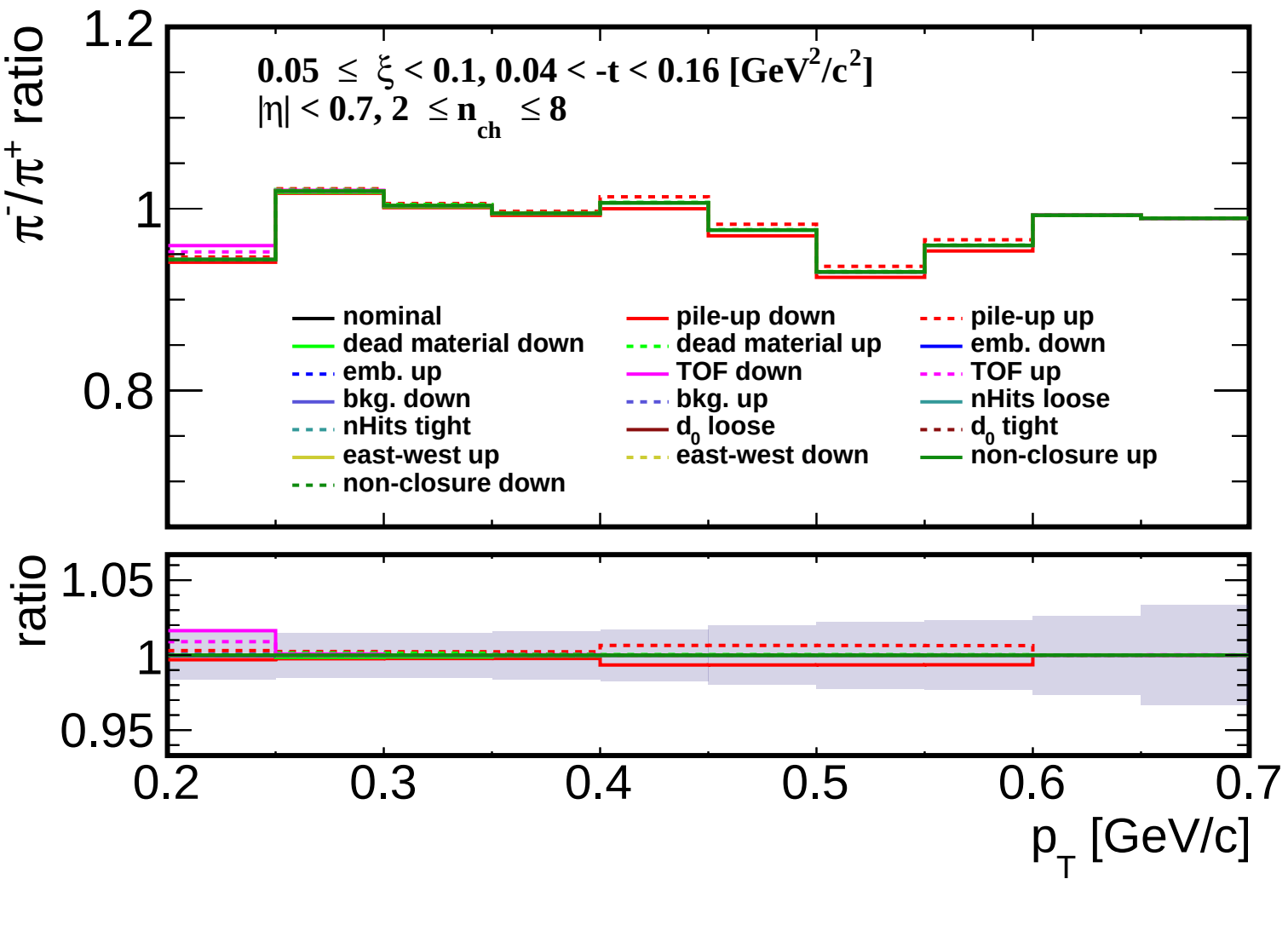
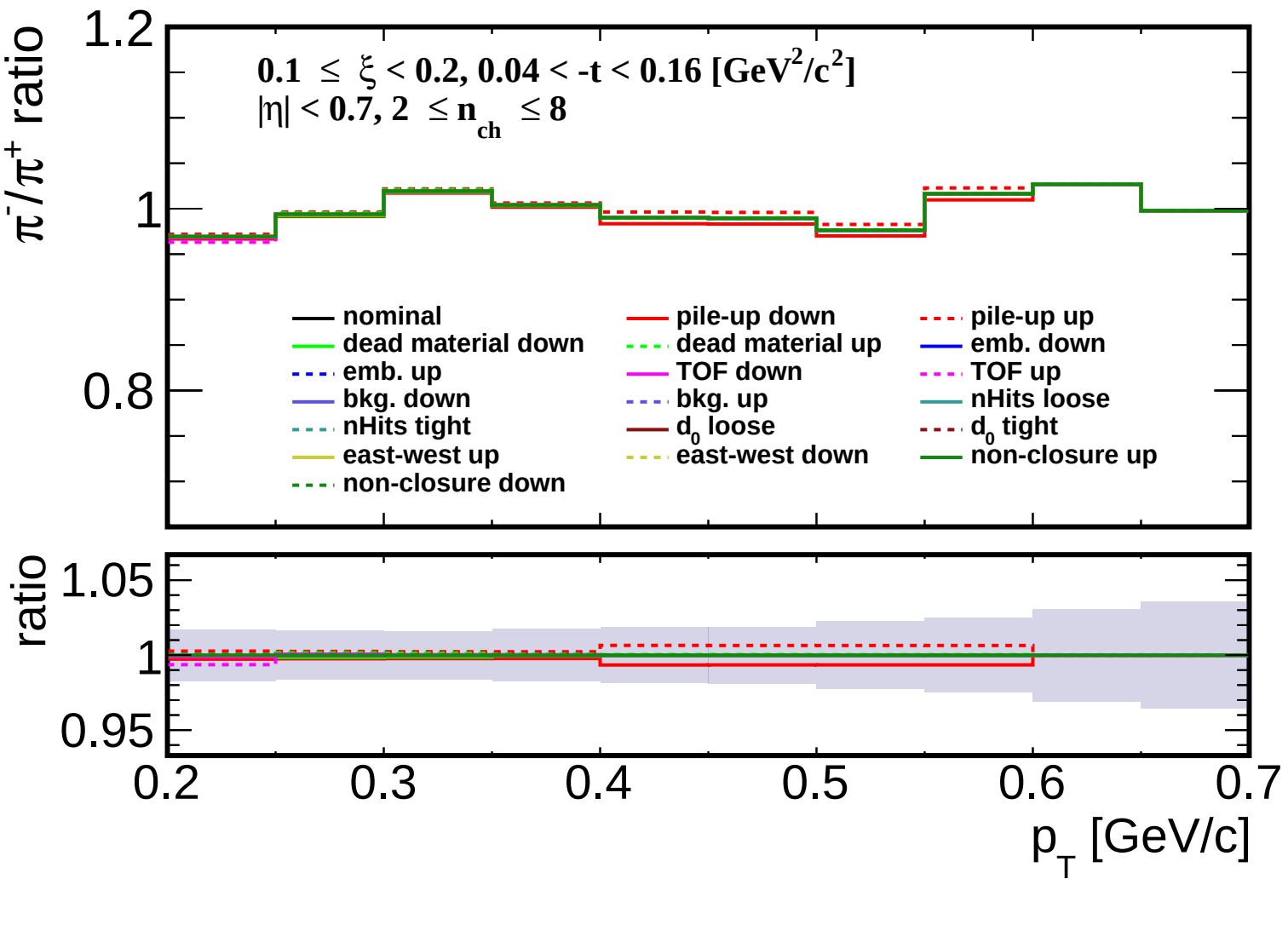
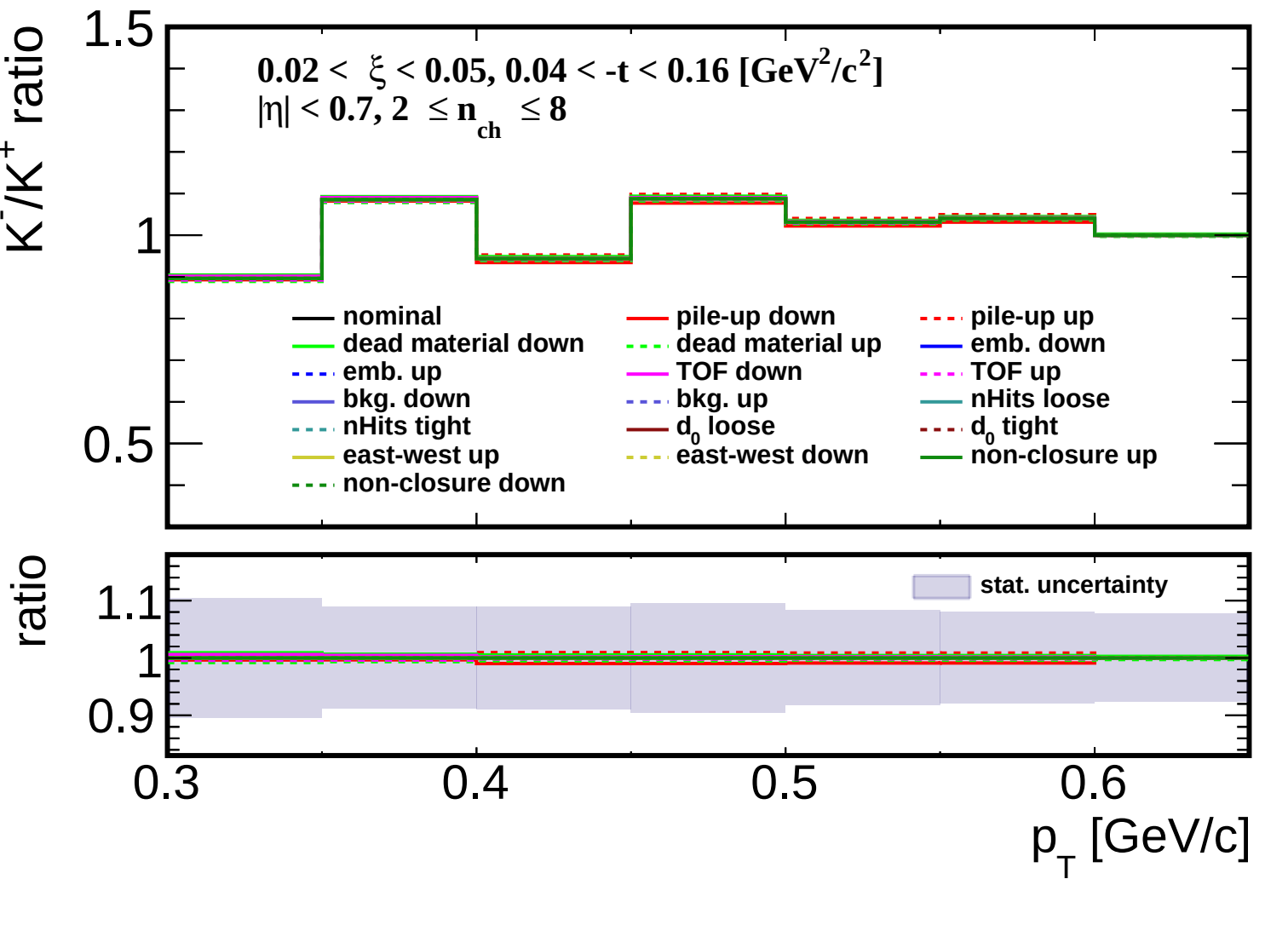
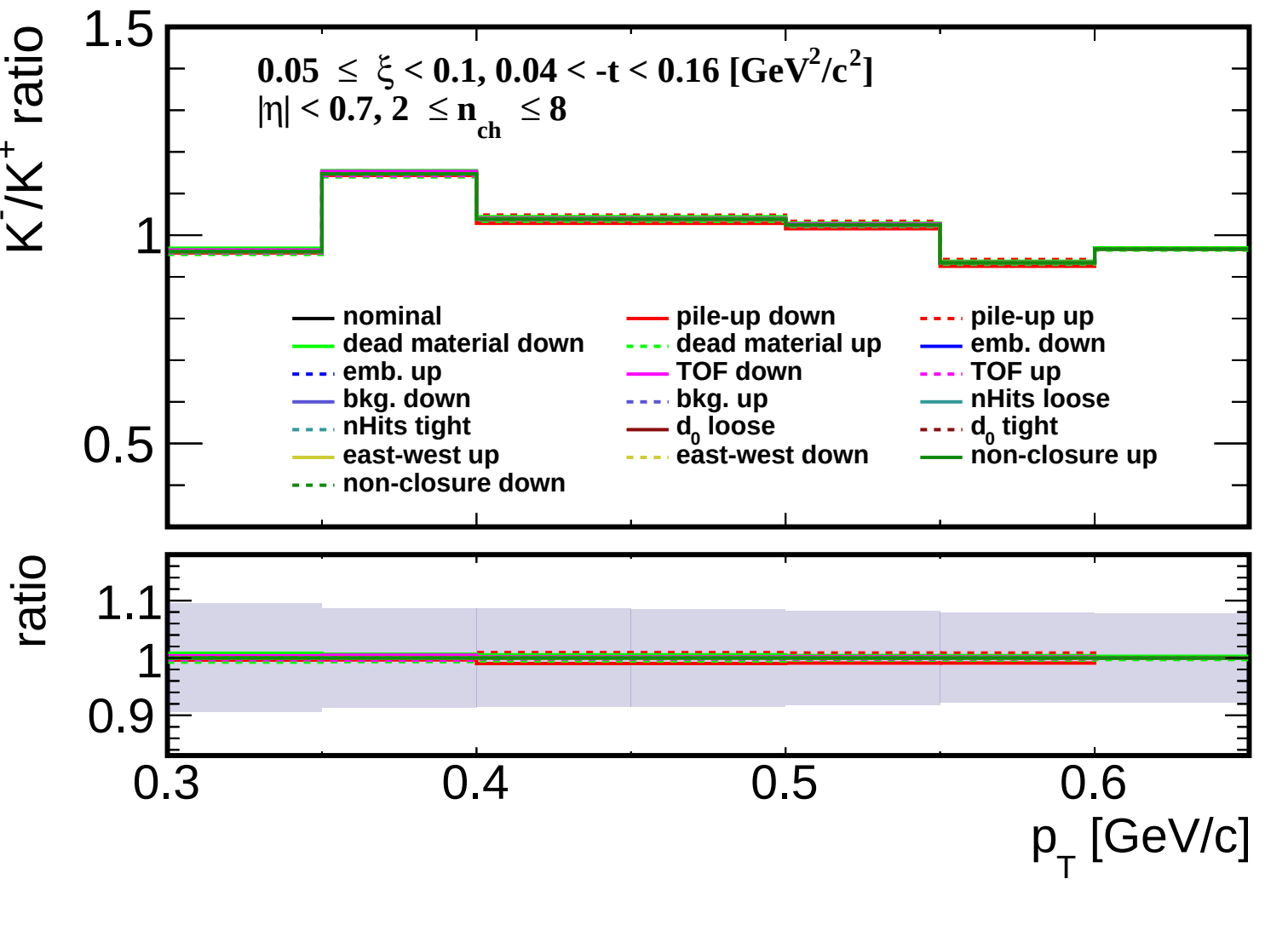
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
nHits loose
nHits tight
matrix stat. up
matrix stat. down
N non-closure down
N non-closure up
east-west up
east-west down
non-closure up
non-closure down
p bkg. down
p bkg. up
d²N/dp_T dη
ratio
p_T [GeV/c]

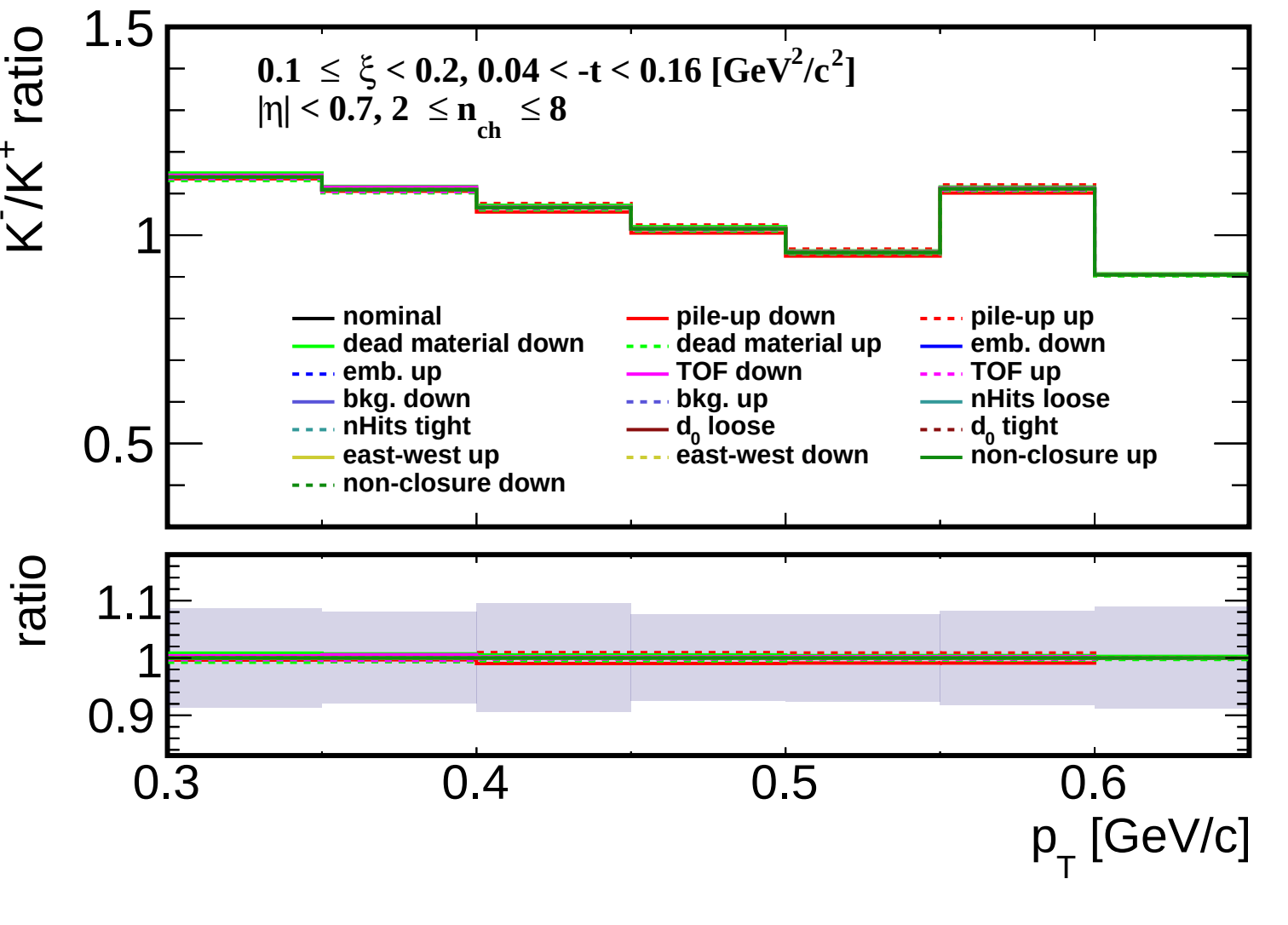

π^-/π^+ ratio
1.2
1
0.8
$0.02 < \xi < 0.05$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
bkg. down
nHits tight
east-west up
non-closure down
pile-up down
dead material up
TOF down
bkg. up
d_0 loose
east-west down
pile-up up
emb. down
TOF up
nHits loose
d_0 tight
non-closure up
ratio
1.05
1
0.95
stat. uncertainty
0.2
0.3
0.4
0.5
0.6
0.7
p_T [GeV/c]

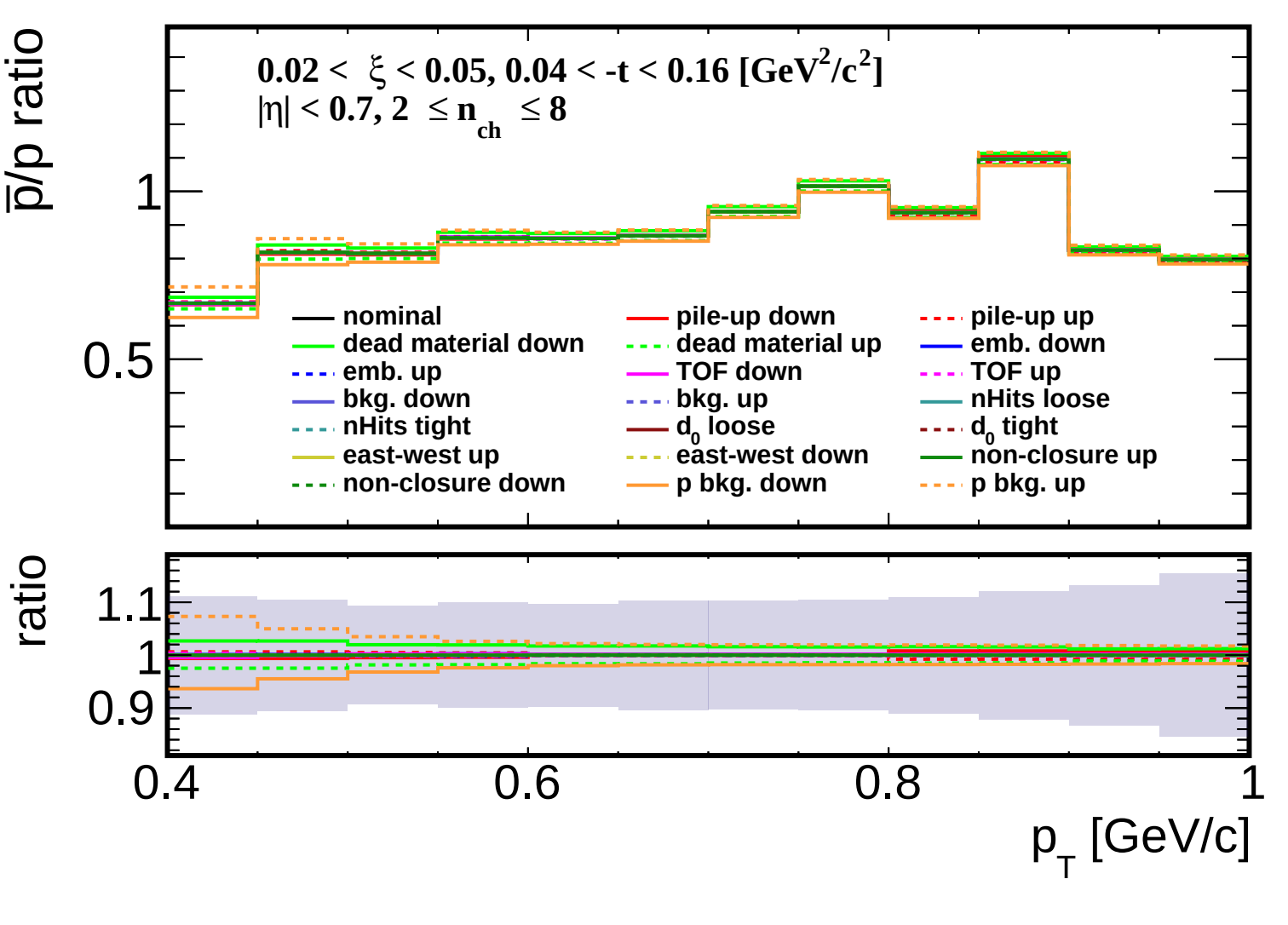

π^-/π^+ ratio
1.2
1
0.8
$0.05 \leq \xi < 0.1$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
TOF down
TOF up
bkg. down
bkg. up
nHits loose
nHits tight
d_0 loose
d_0 tight
east-west up
east-west down
non-closure up
non-closure down
ratio
1.05
1
0.95
0.2
0.3
0.4
0.5
0.6
0.7
p_T [GeV/c]

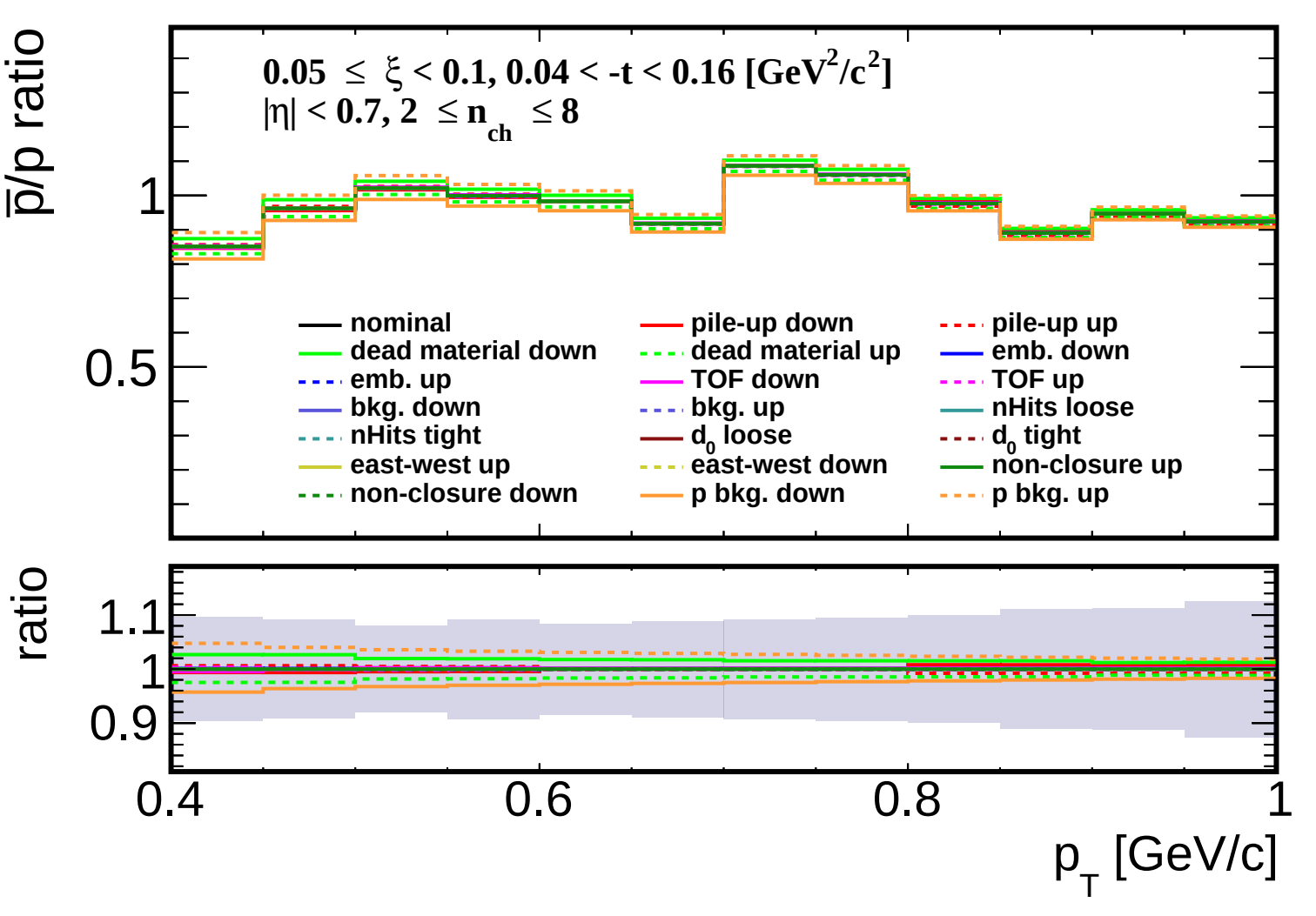

π^-/π^+ ratio
1.2
1
0.8
$0.1 \leq \xi < 0.2$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
bkg. down
nHits tight
east-west up
non-closure down
pile-up down
dead material up
TOF down
bkg. up
d_0 loose
east-west down
pile-up up
emb. down
TOF up
nHits loose
d_0 tight
non-closure up
ratio
1.05
1
0.95
0.2
0.3
0.4
0.5
0.6
0.7
p_T [GeV/c]

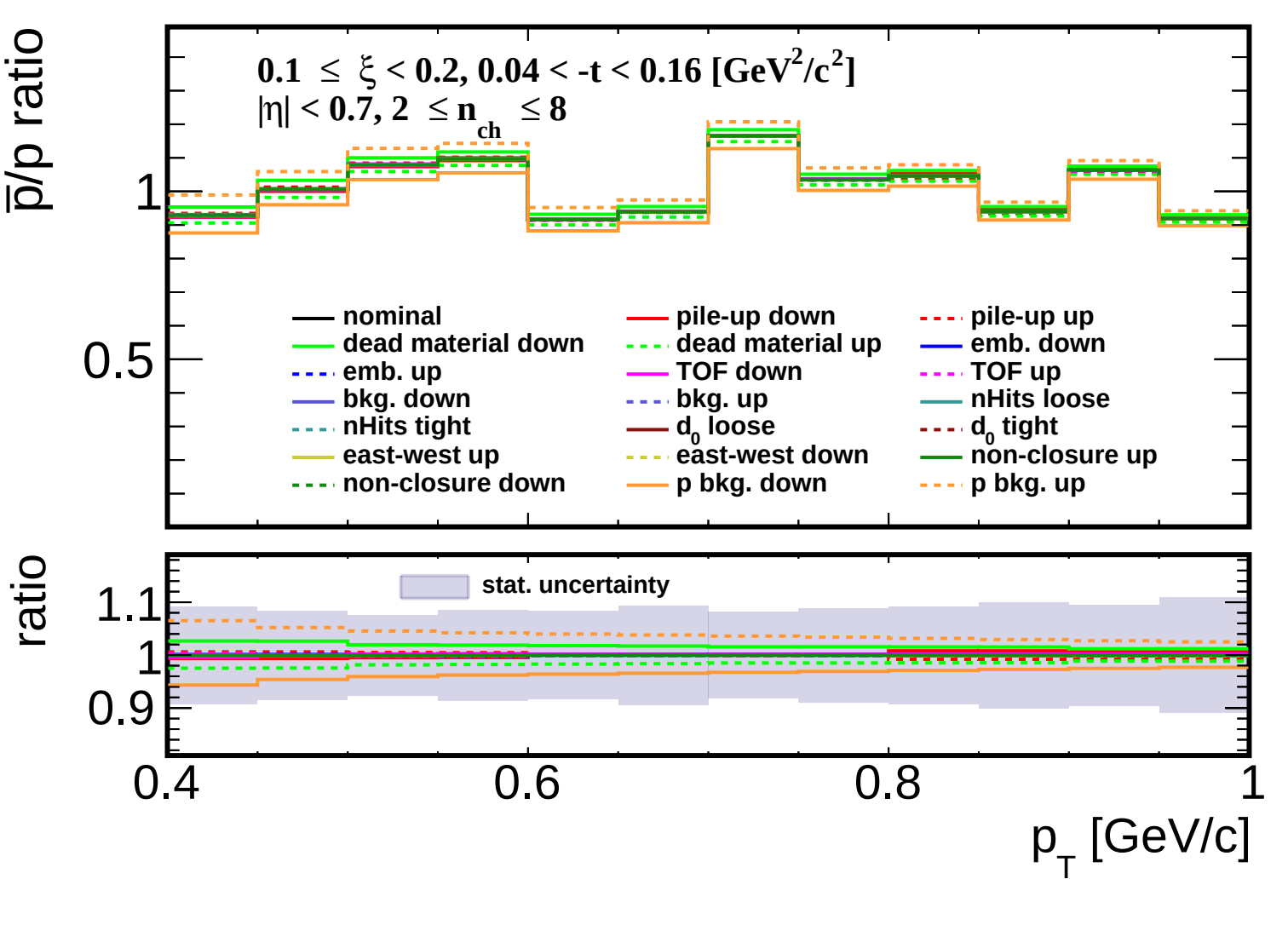

0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
|η| < 0.7, 2 ≤ n_ch ≤ 8
K⁻/K⁺ ratio
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
TOF down
TOF up
bkg. down
bkg. up
nHits loose
nHits tight
d0 loose
d0 tight
east-west up
east-west down
non-closure up
non-closure down
ratio
stat. uncertainty
p_T [GeV/c]

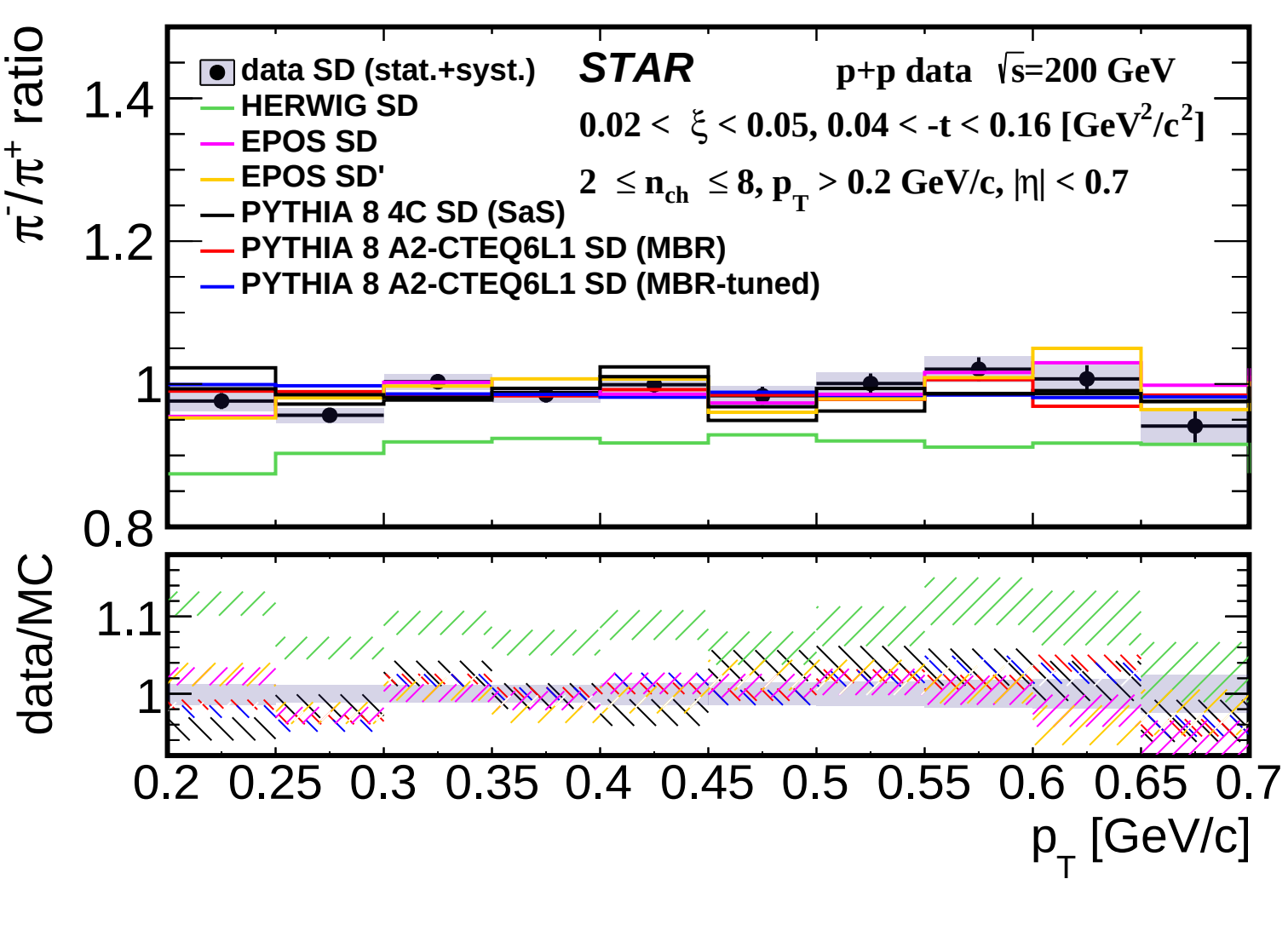

0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
|η| < 0.7, 2 ≤ n_ch ≤ 8
K⁻/K⁺ ratio
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
TOF down
TOF up
bkg. down
bkg. up
nHits loose
nHits tight
d0 loose
d0 tight
east-west up
east-west down
non-closure up
non-closure down
ratio
p_T [GeV/c]

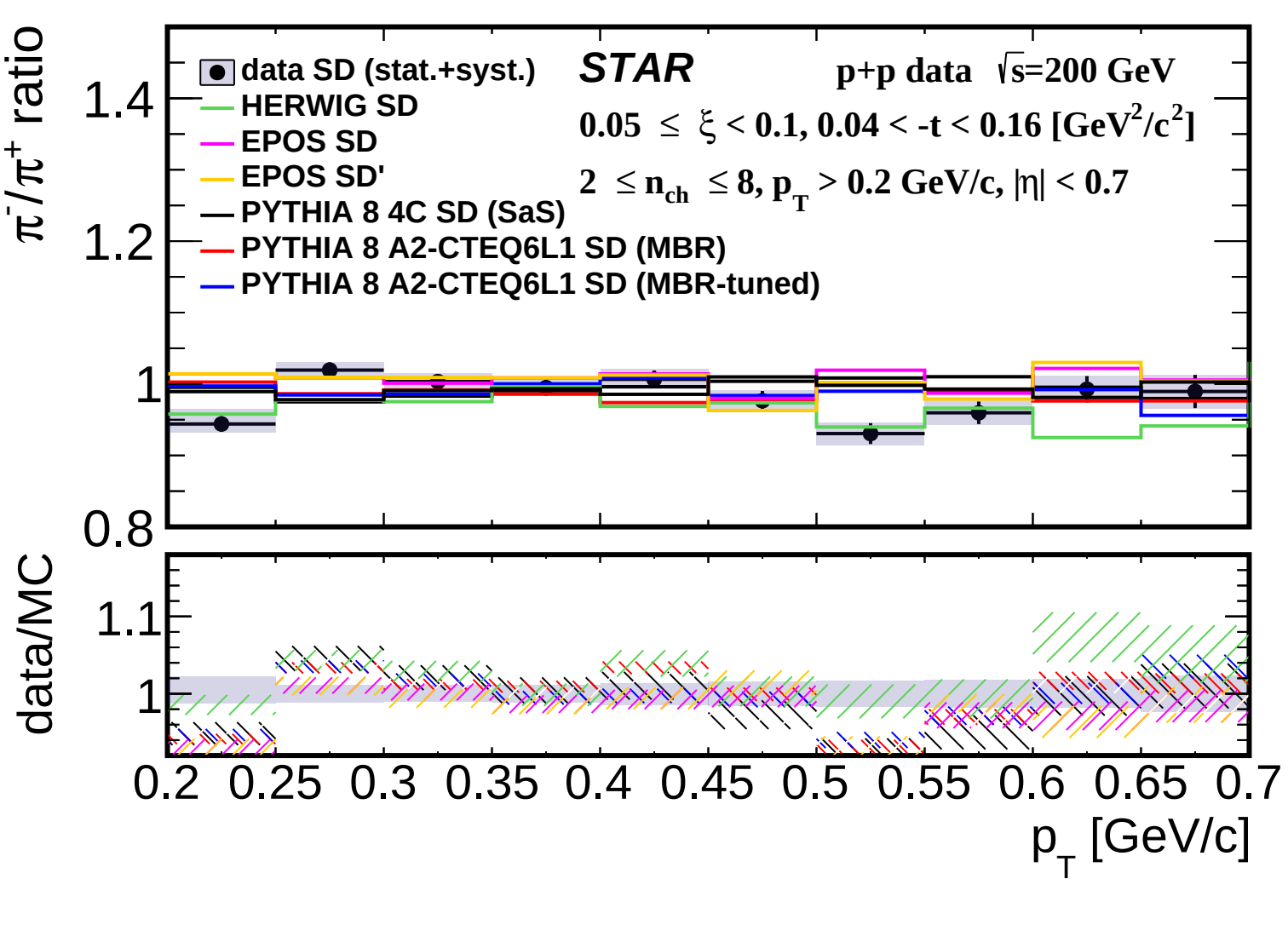

K^-/K^+ ratio
1.5
1
0.5
$0.1 \leq \xi < 0.2$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
TOF down
TOF up
bkg. down
bkg. up
nHits loose
nHits tight
d_0 loose
d_0 tight
east-west up
east-west down
non-closure up
non-closure down
ratio
1.1
1
0.9
0.3
0.4
0.5
0.6
p_T [GeV/c]

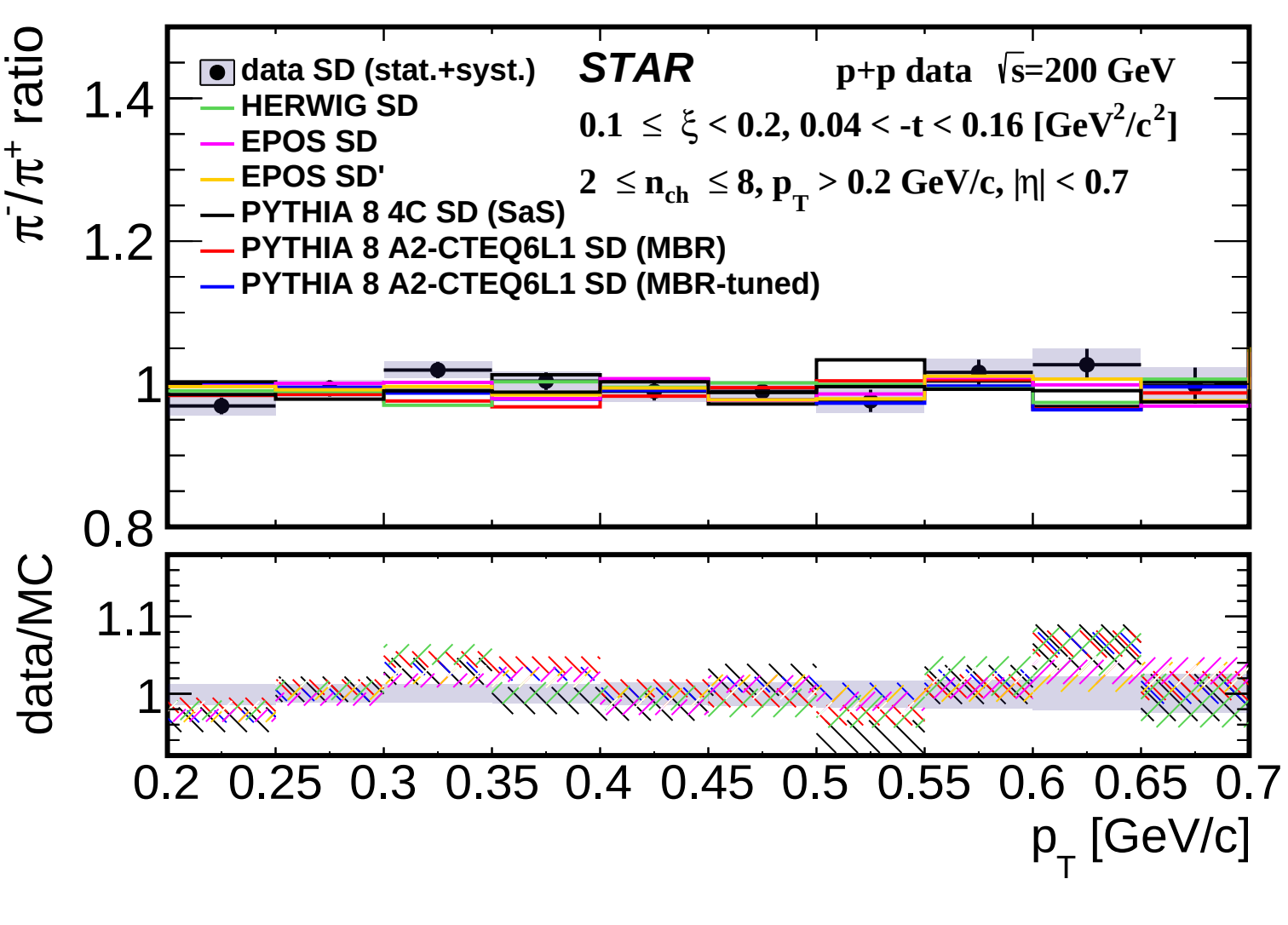

$\bar{p}/p$ ratio
$0.02 < \xi < 0.05$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
bkg. down
nHits tight
east-west up
non-closure down
pile-up down
dead material up
TOF down
bkg. up
d_0 loose
east-west down
p bkg. down
pile-up up
emb. down
TOF up
nHits loose
d_0 tight
non-closure up
p bkg. up
ratio
p_T [GeV/c]

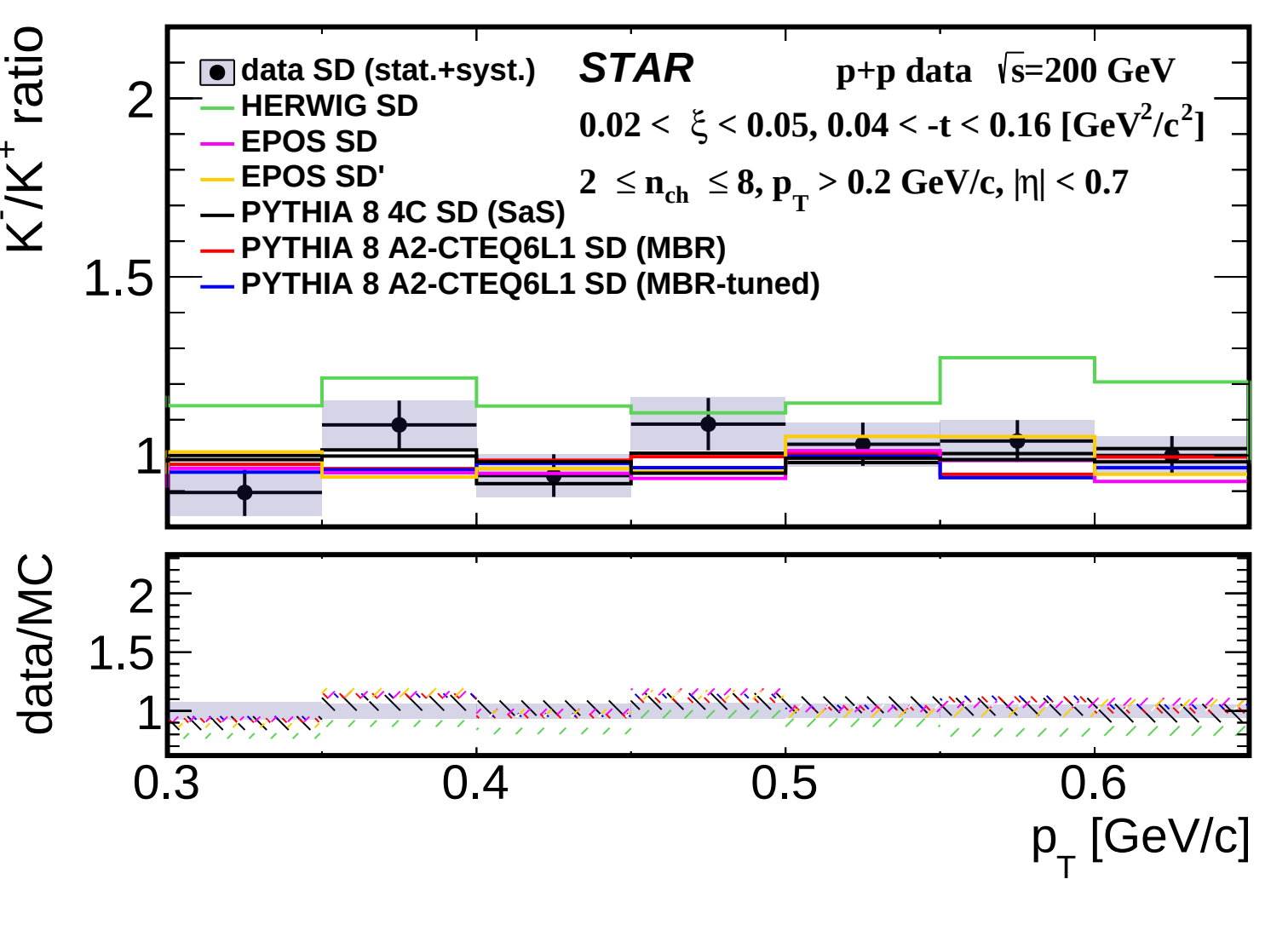

$\bar{p}/p$ ratio
$0.05 \leq \xi < 0.1$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
bkg. down
nHits tight
east-west up
non-closure down
pile-up down
dead material up
TOF down
bkg. up
d_0 loose
east-west down
p bkg. down
pile-up up
emb. down
TOF up
nHits loose
d_0 tight
non-closure up
p bkg. up
ratio
p_T [GeV/c]

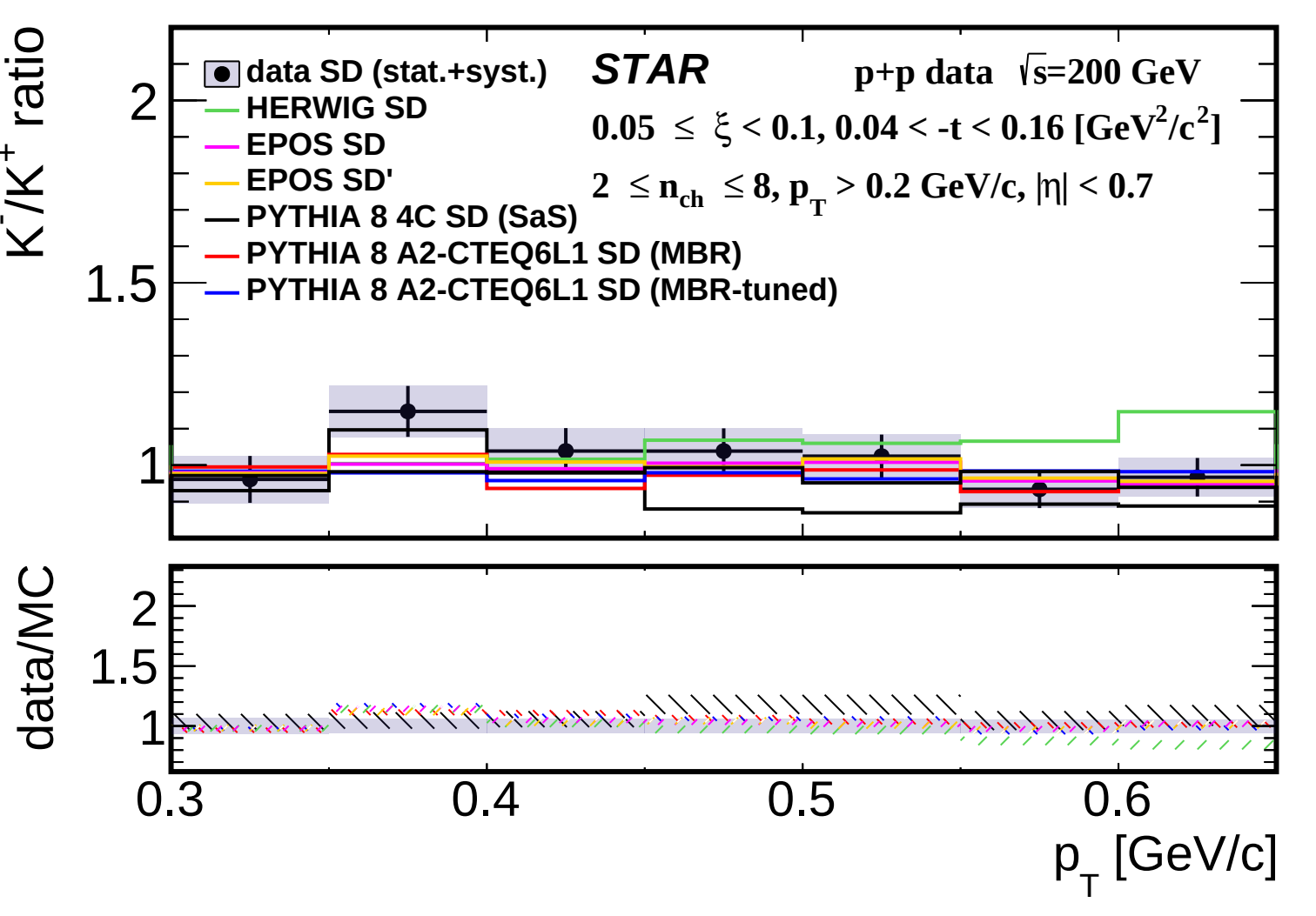

$\bar{p}/p$ ratio
$0.1 \leq \xi < 0.2$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
bkg. down
nHits tight
east-west up
non-closure down
pile-up down
dead material up
TOF down
bkg. up
d_0 loose
east-west down
p bkg. down
pile-up up
emb. down
TOF up
nHits loose
d_0 tight
non-closure up
p bkg. up
ratio
stat. uncertainty
p_T [GeV/c]

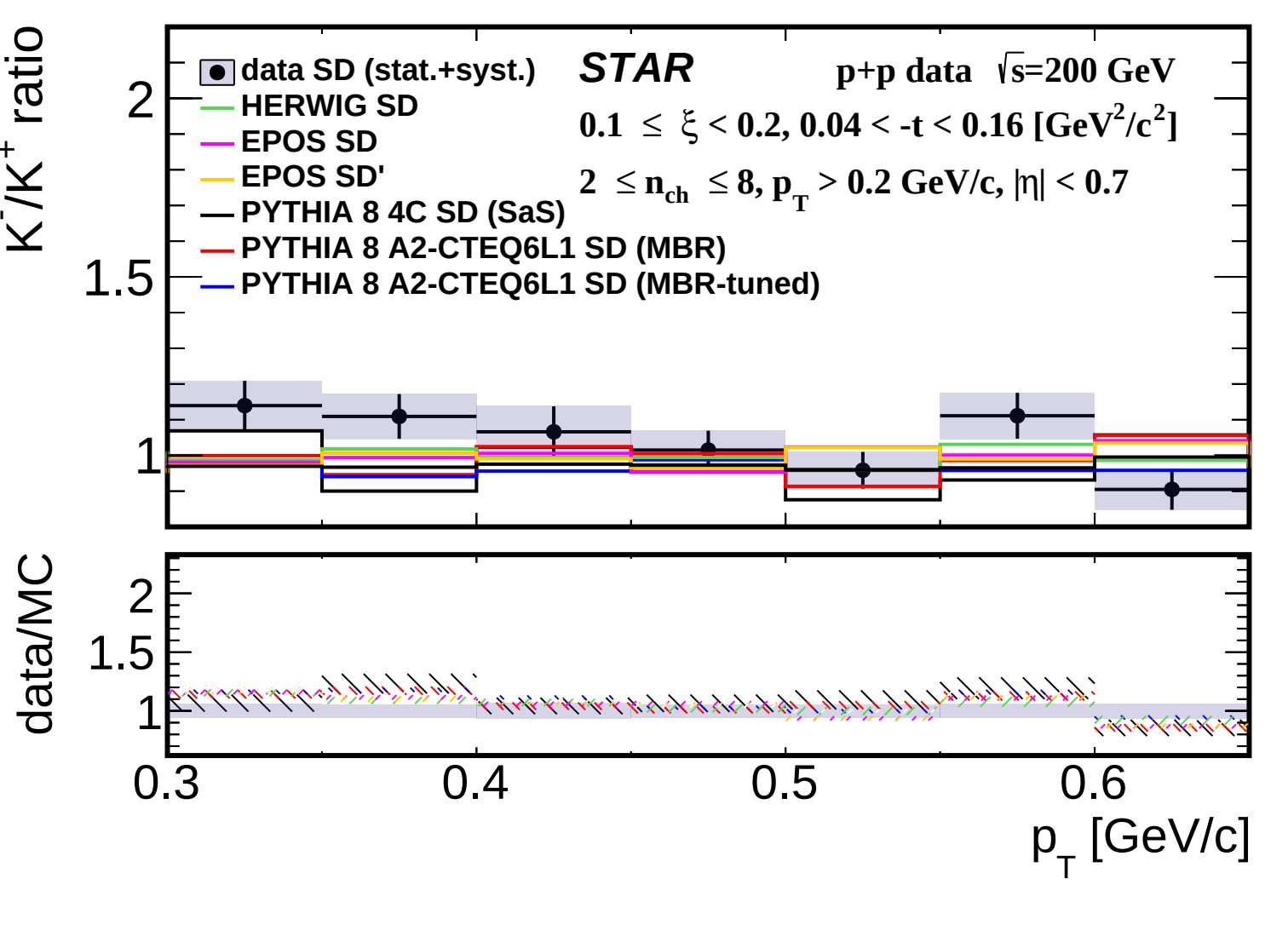

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2-CTEQ6L1 SD (MBR)
PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
π⁻/π⁺ ratio
data/MC
p_T [GeV/c]

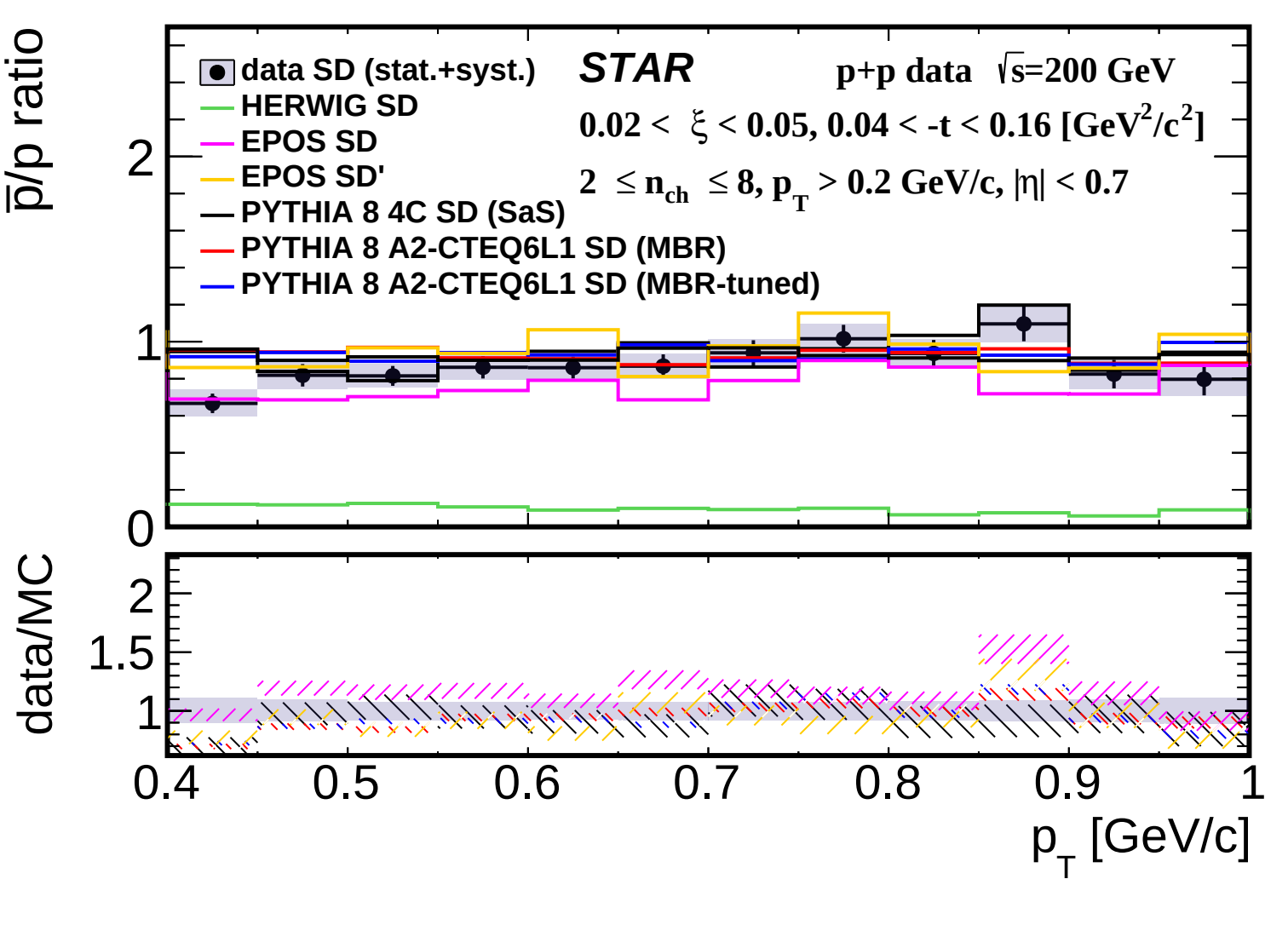

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2-CTEQ6L1 SD (MBR)
PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
π⁻/π⁺ ratio
data/MC
p_T [GeV/c]

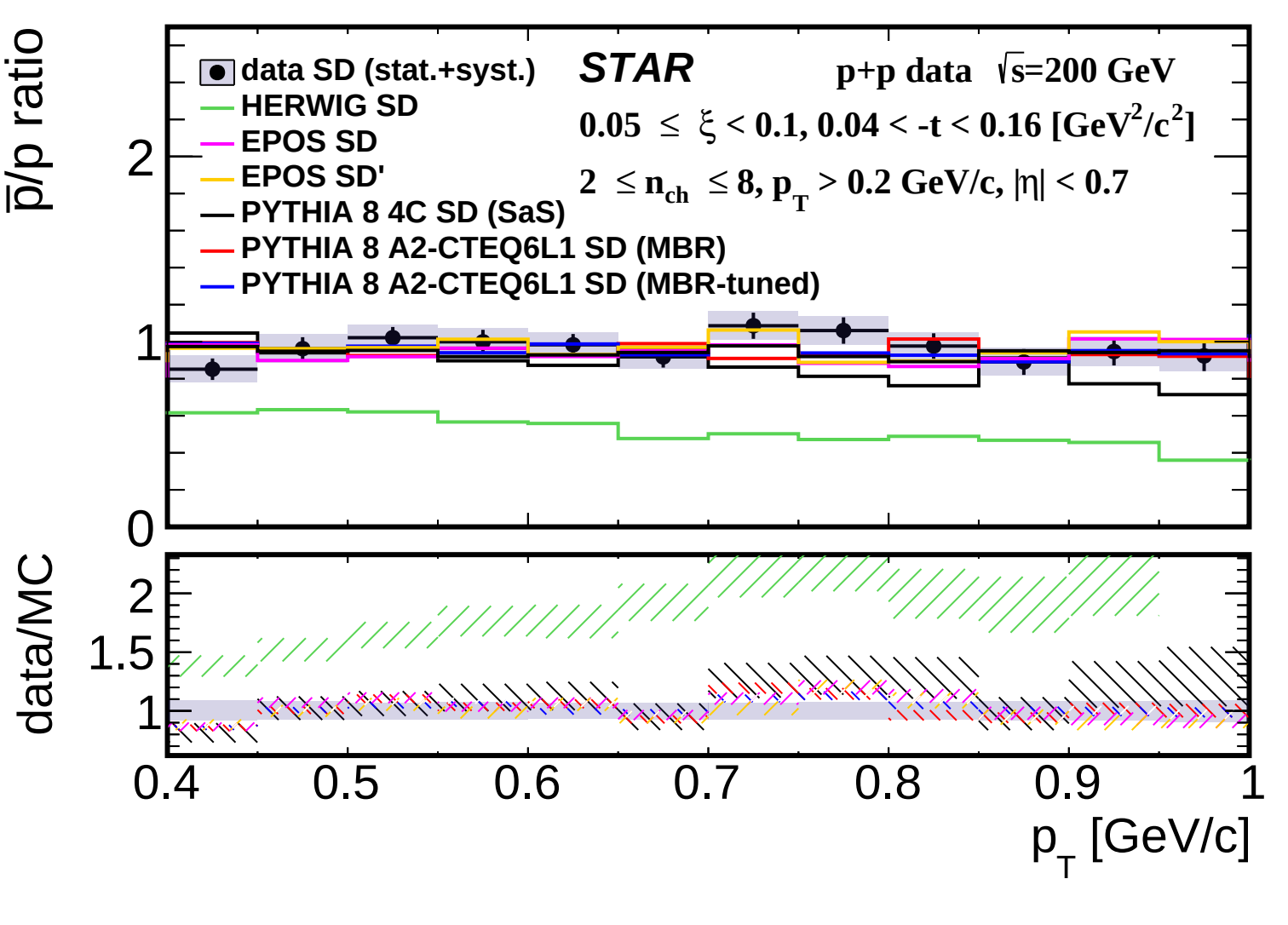

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2-CTEQ6L1 SD (MBR)
PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
π⁻/π⁺ ratio
data/MC
p_T [GeV/c]

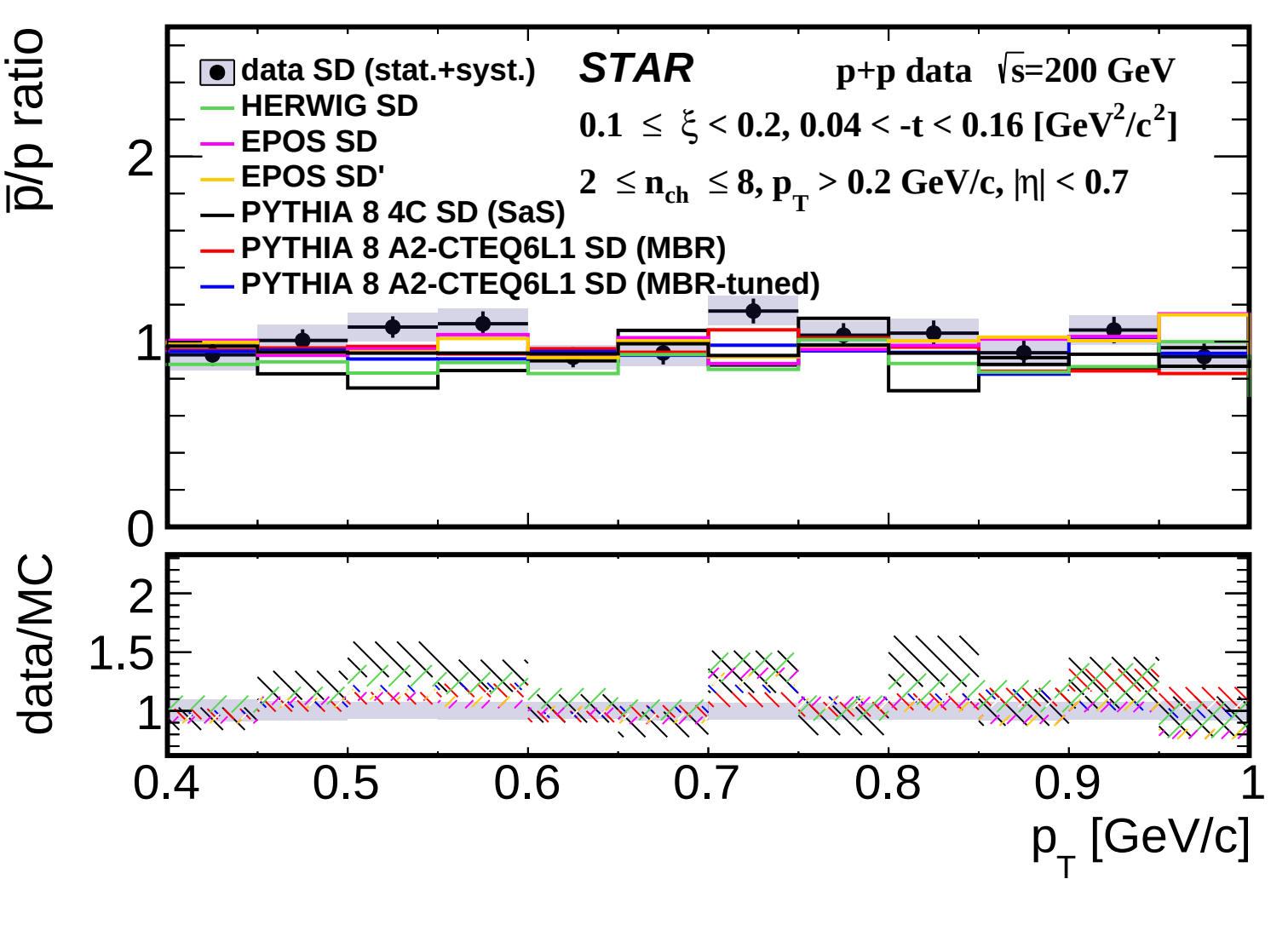

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2-CTEQ6L1 SD (MBR)
PYTHIA 8 A2-CTEQ6L1 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
K⁻/K⁺ ratio
data/MC
p_T [GeV/c]


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)
STAR
p+p data √s=200 GeV
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
K⁻/K⁺ ratio
data/MC
p_T [GeV/c]


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)
STAR
p+p data √s=200 GeV
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
K⁻/K⁺ ratio
data/MC
p_T [GeV/c]
2
1.5
1
0.3
0.4
0.5
0.6


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)
STAR
p+p data √s=200 GeV
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
p̄/p ratio
data/MC
p_T [GeV/c]


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)
STAR
p+p data √s=200 GeV
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
p̄/p ratio
data/MC
p_T [GeV/c]


data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2-CTEQ6L1 SD (MBR)
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STAR
p+p data √s=200 GeV
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
p̄/p ratio
data/MC
p_T [GeV/c]