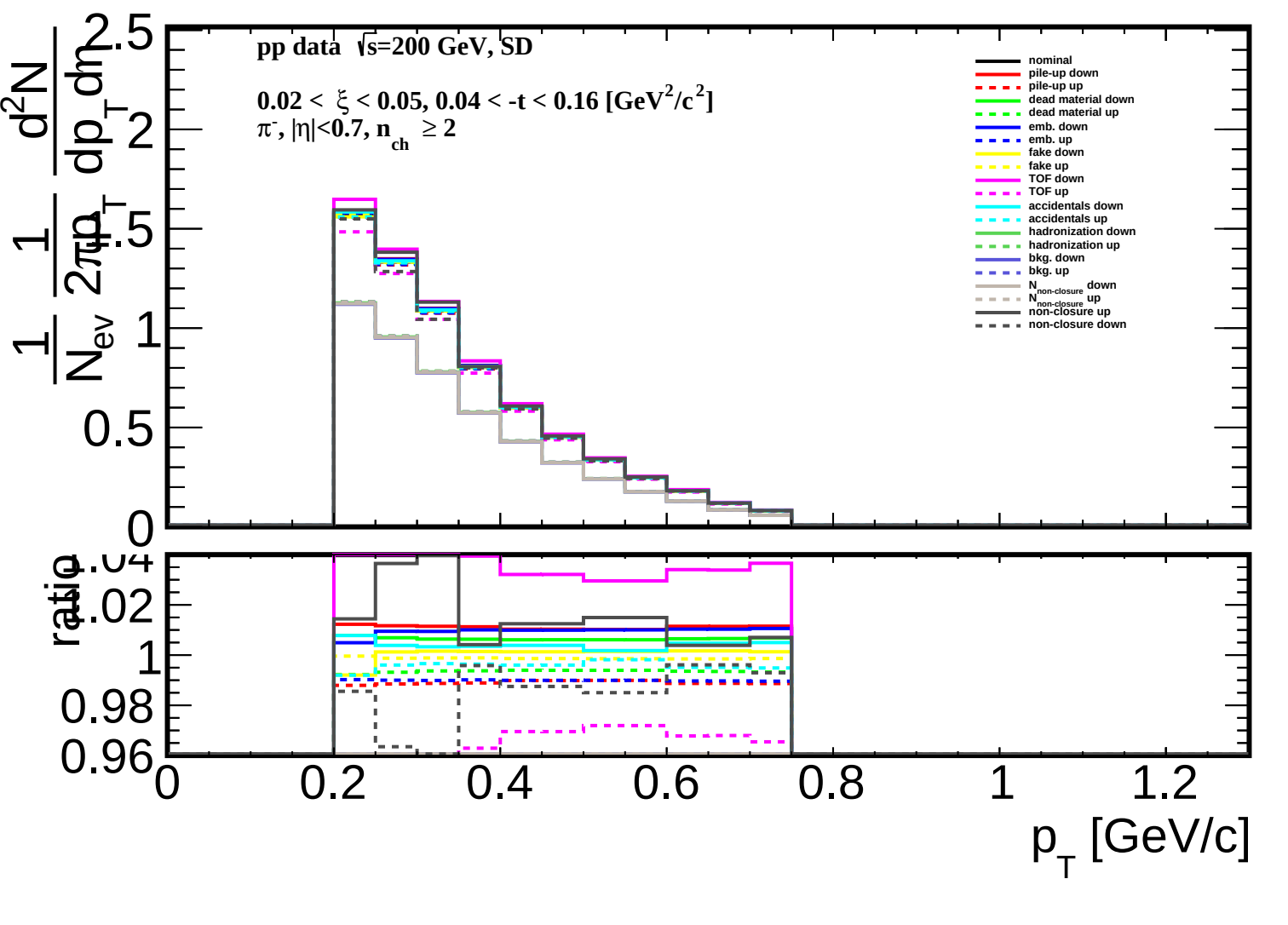
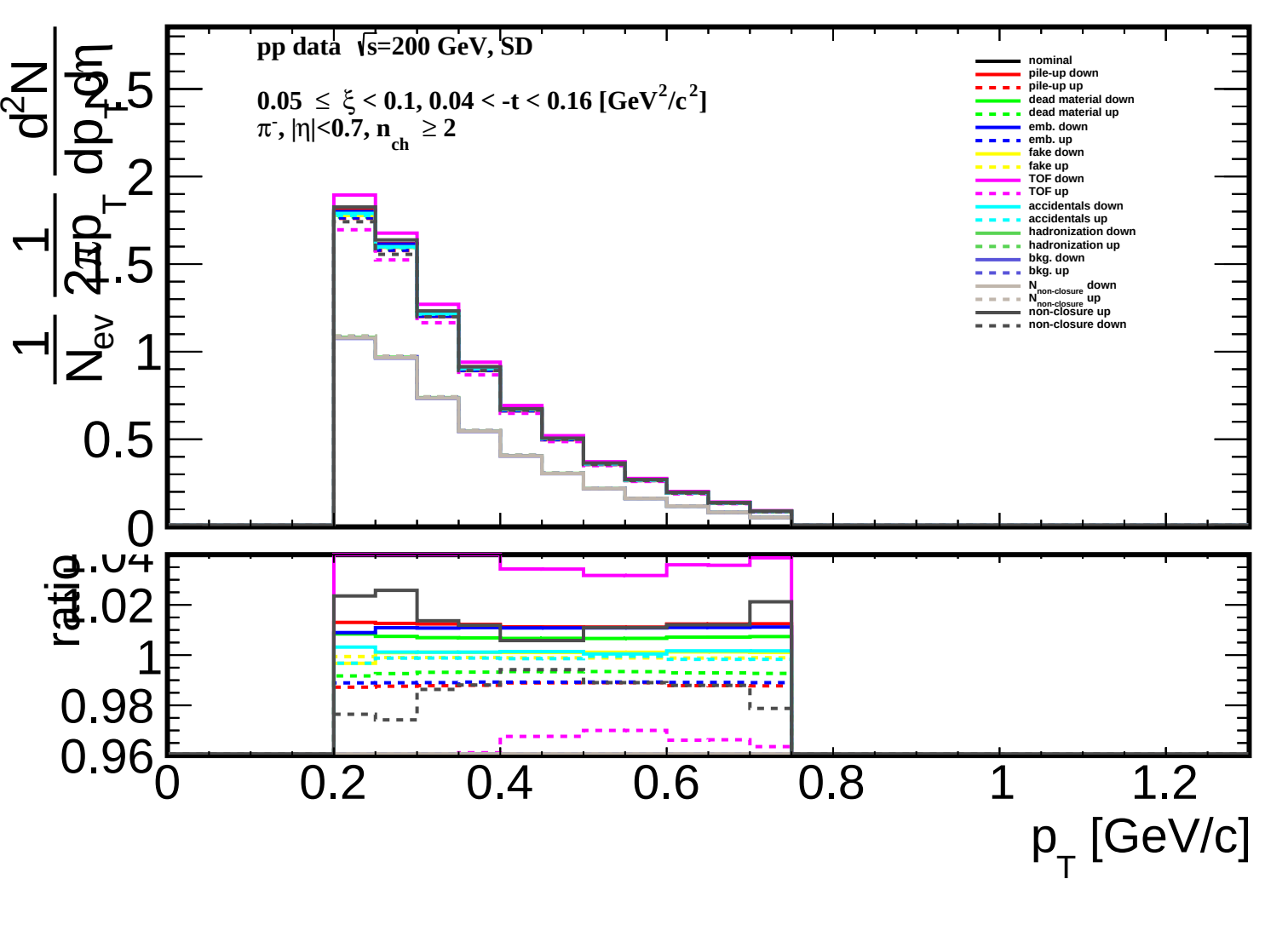
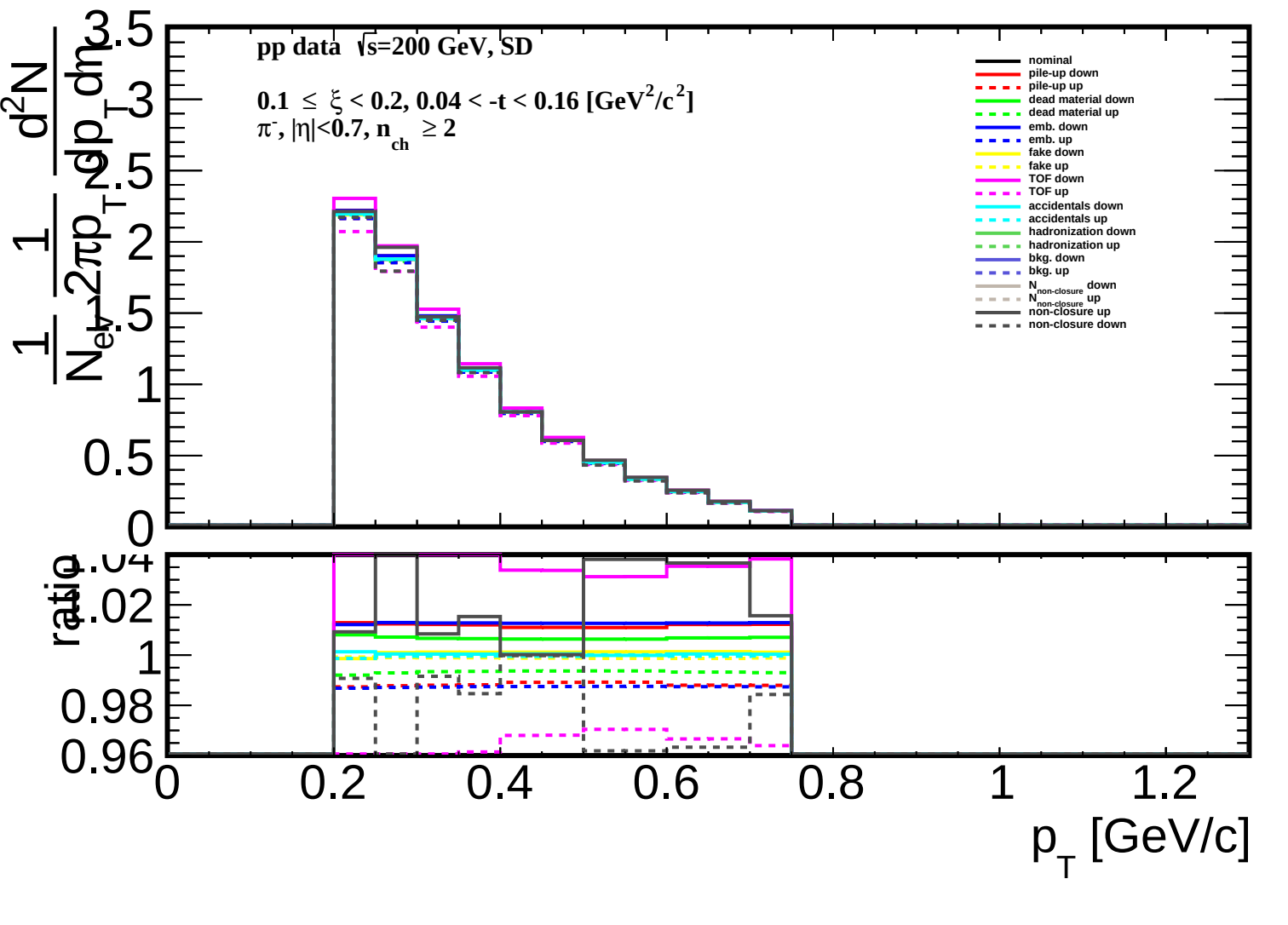
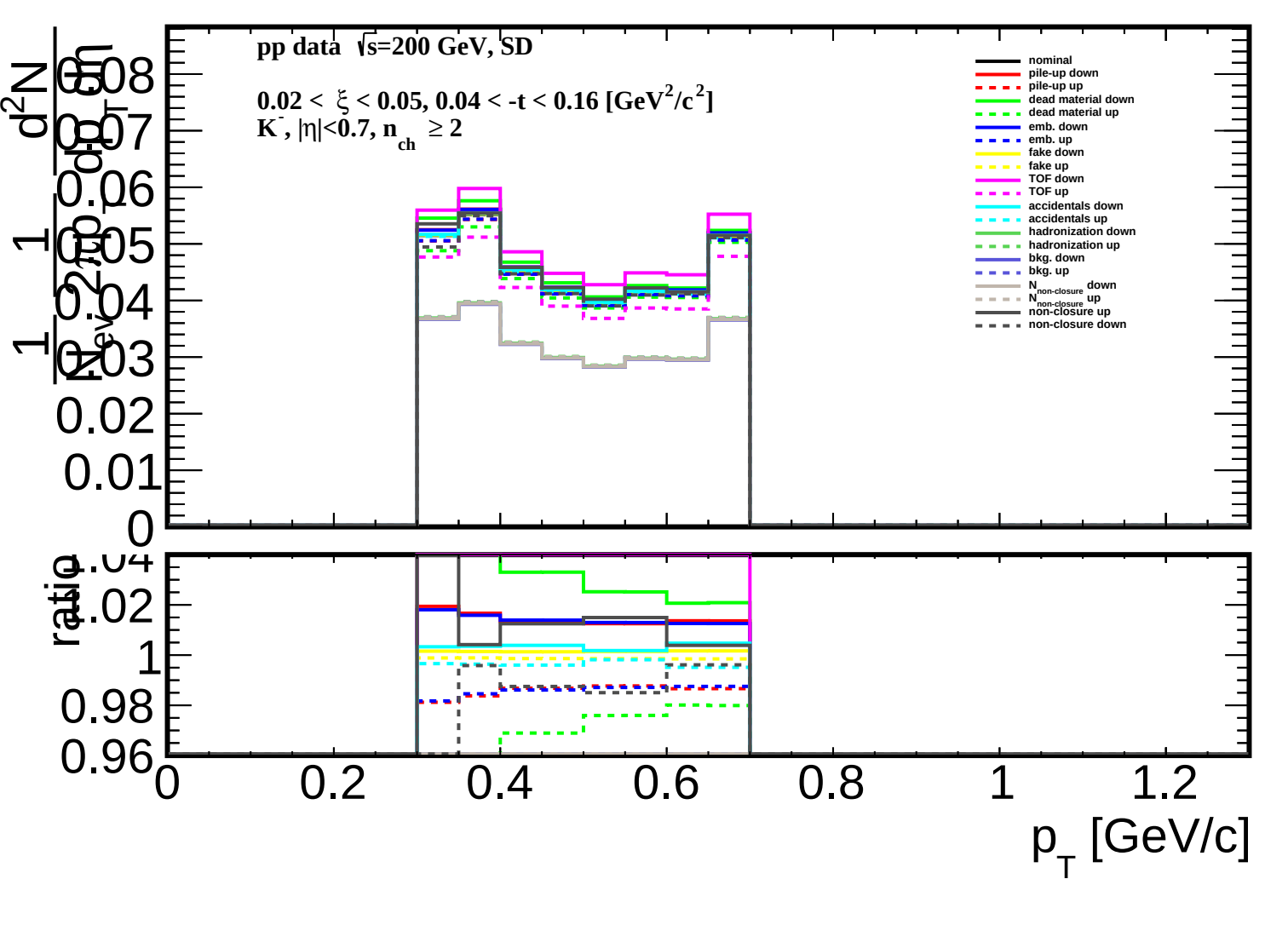

pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
π⁻, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
dead material up
emb. down
emb. up
fake down
fake up
TOF down
TOF up
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure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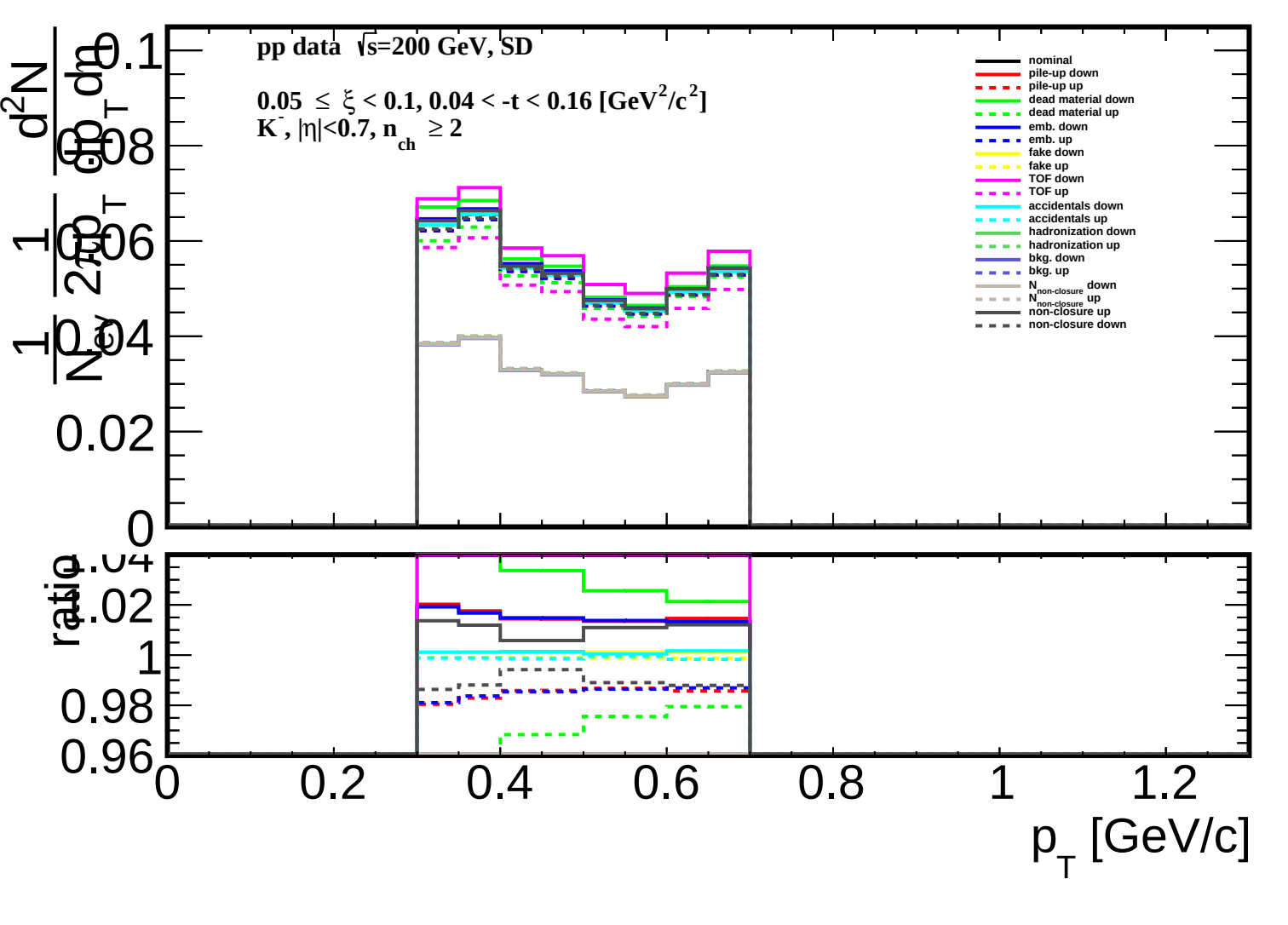
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
d²N / dp_T dη
1/N_ev
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
K⁻, |η|<0.7, n_ch ≥ 2
nominal
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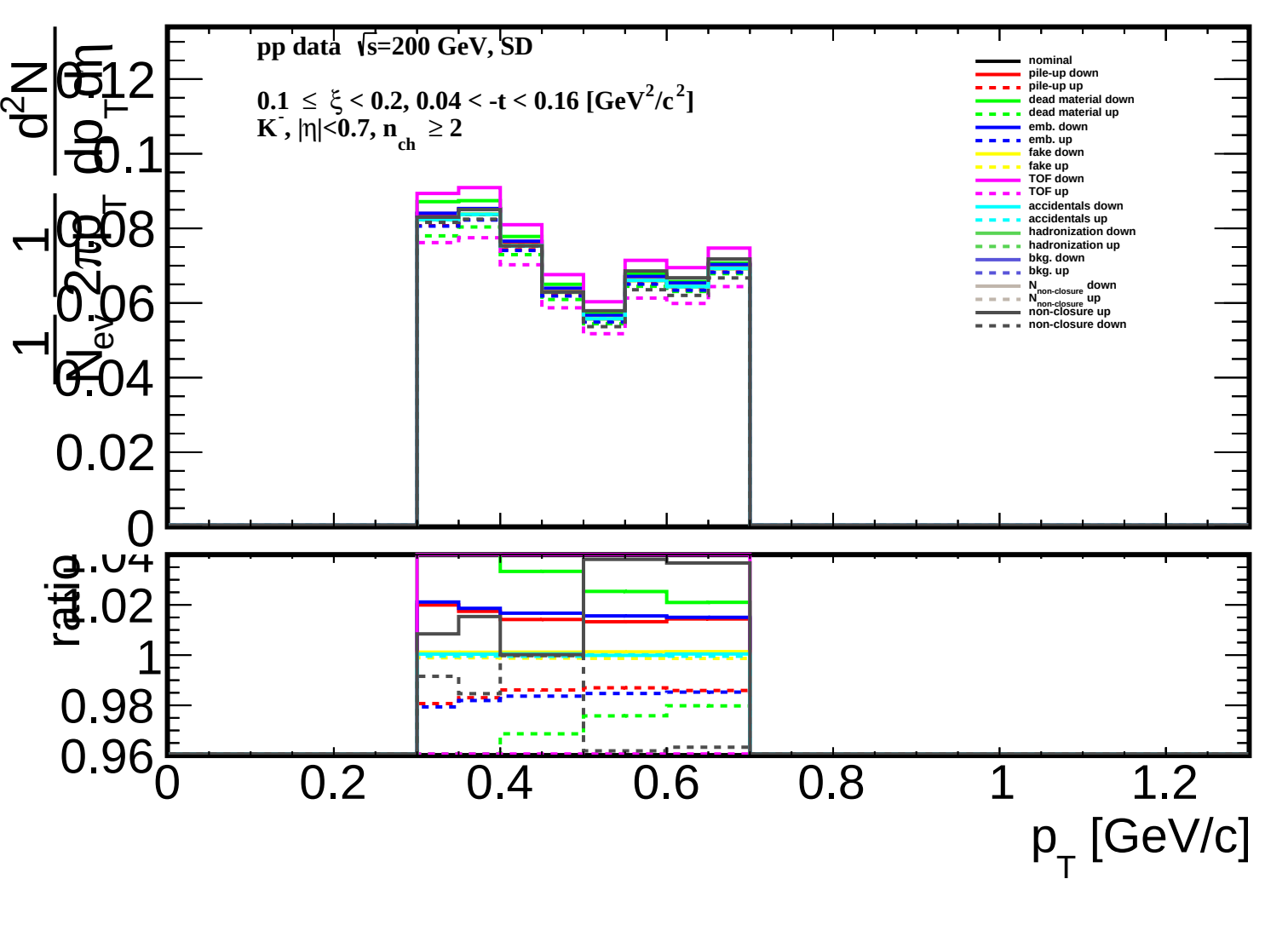
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
1/N_ev 1/2π d²N/dp_T dη
ratio
p_T [GeV/c]


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
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accidentals down
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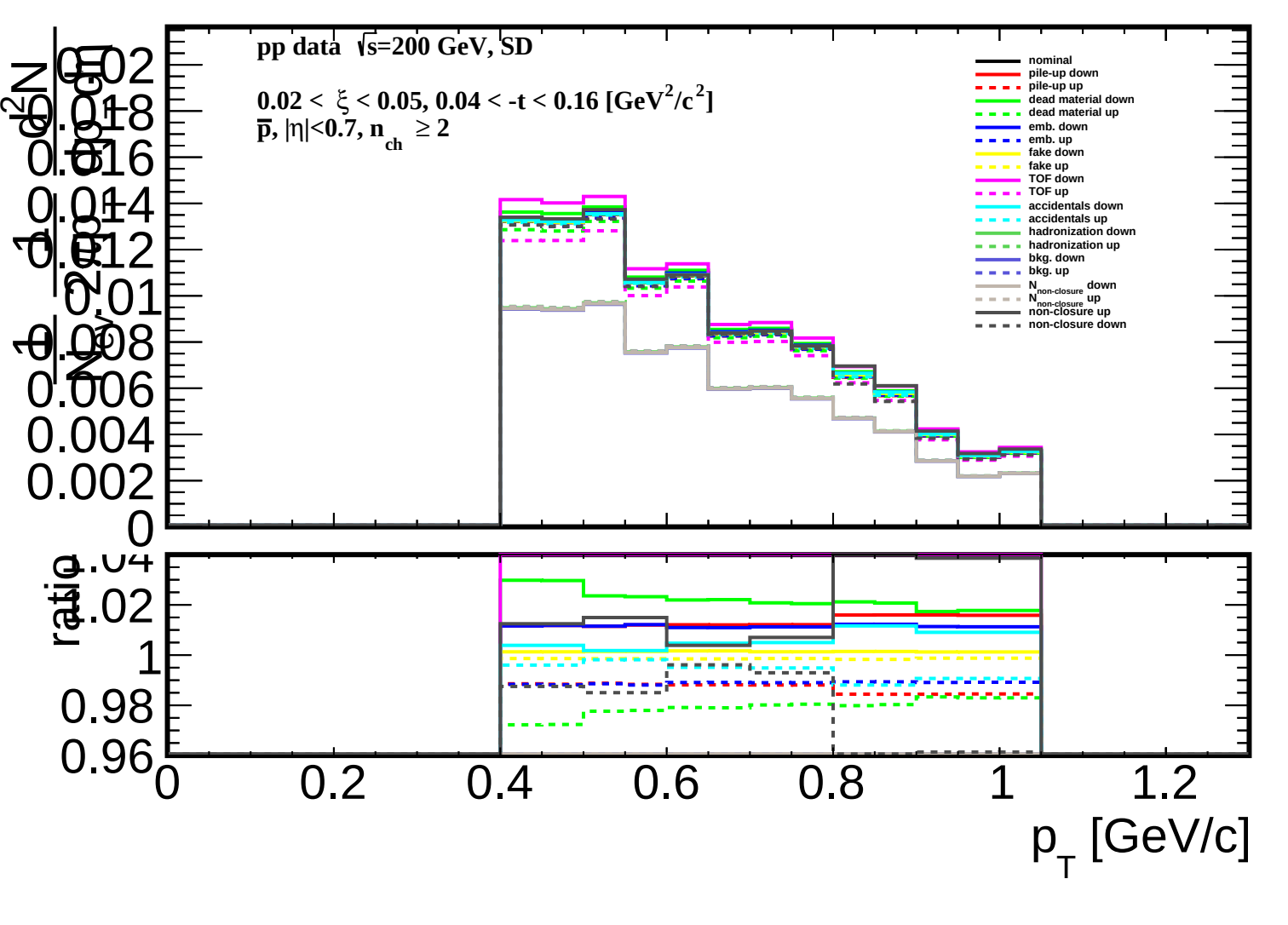
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
d²N/dp_T dη
1/N_ev 1/2π p_T
ratio
p_T [GeV/c]


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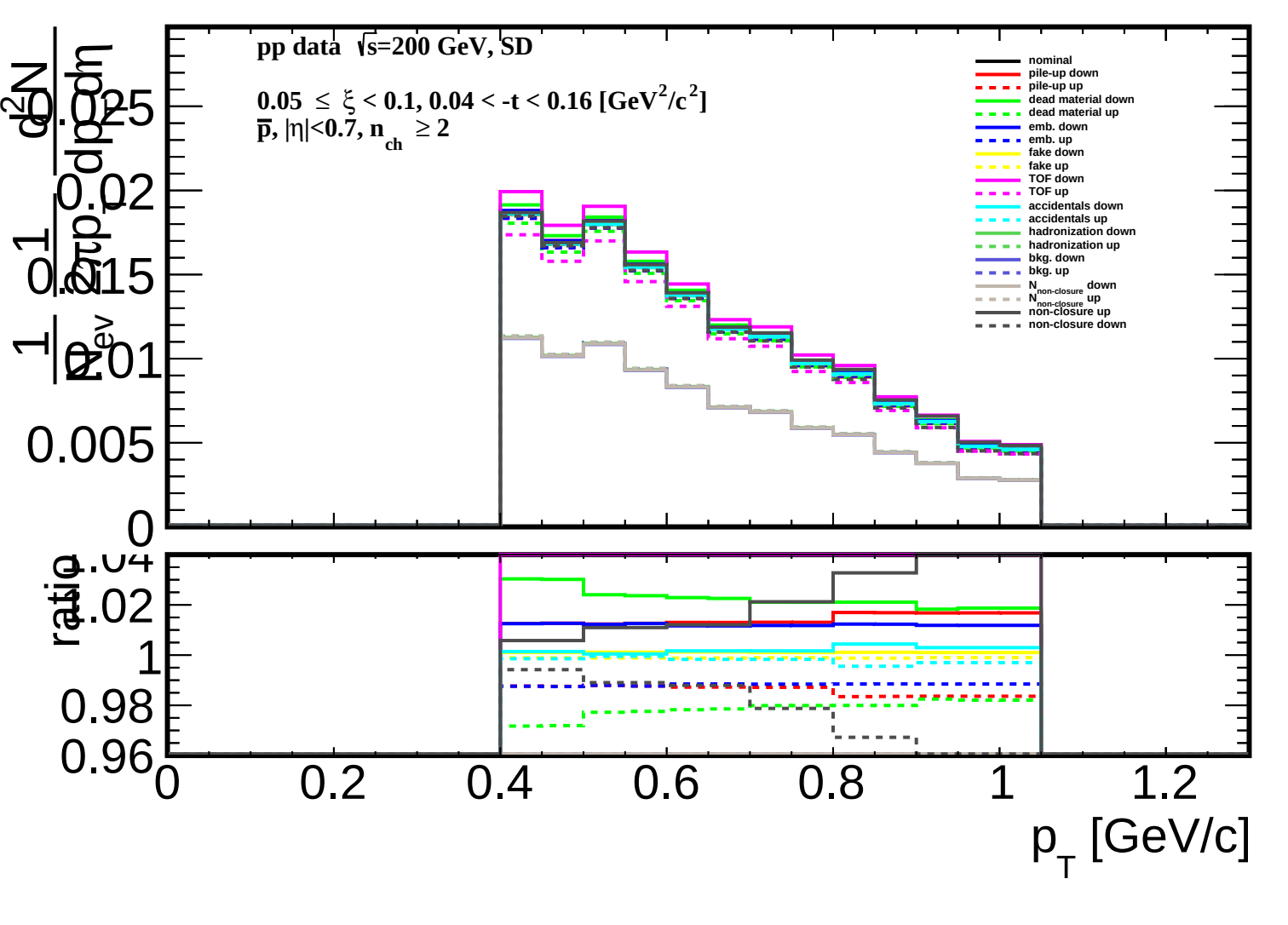
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
ratio
p_T [GeV/c]


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
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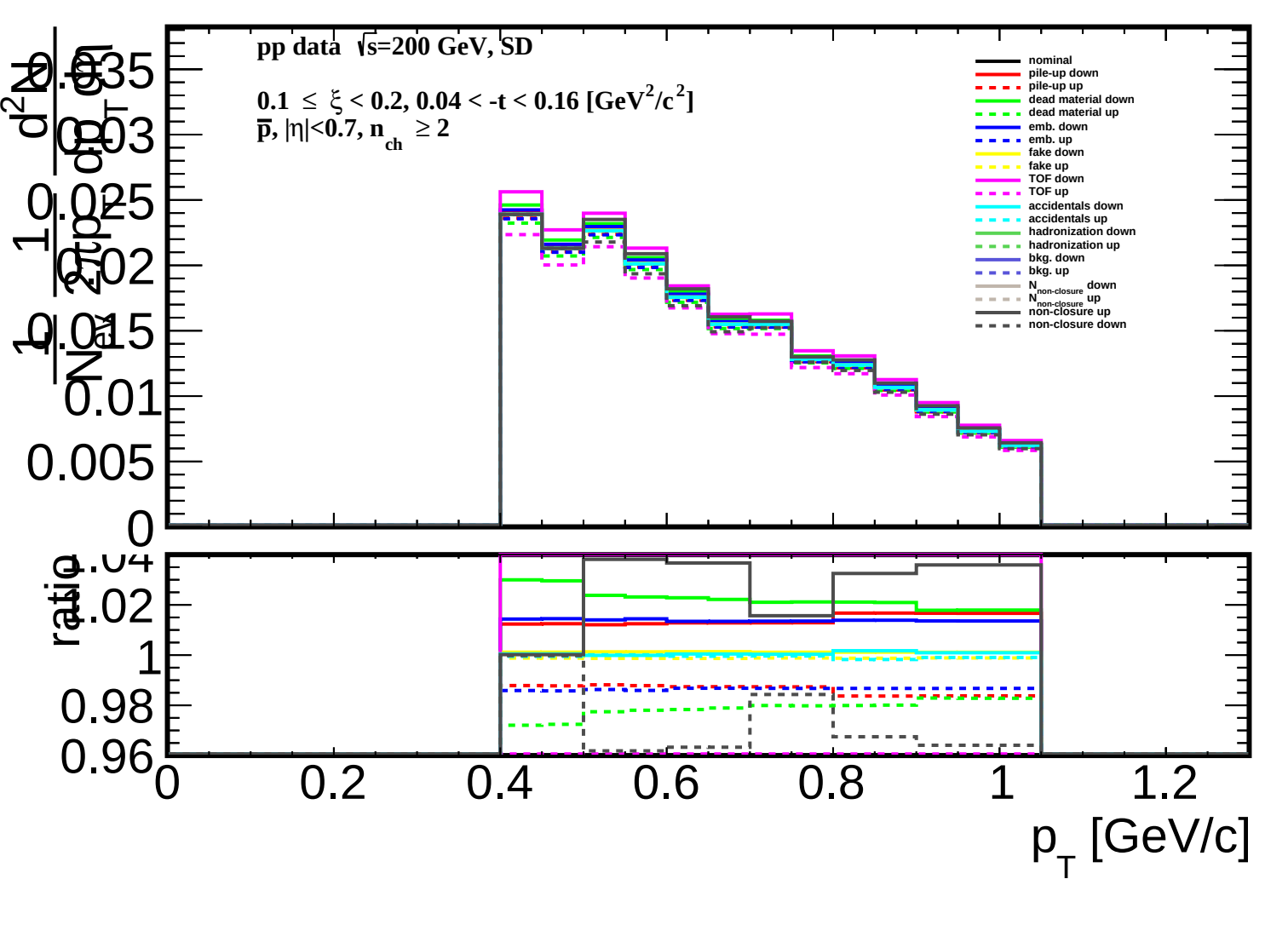
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
1/N_ev d²N/dp_T dη
ratio
p_T [GeV/c]


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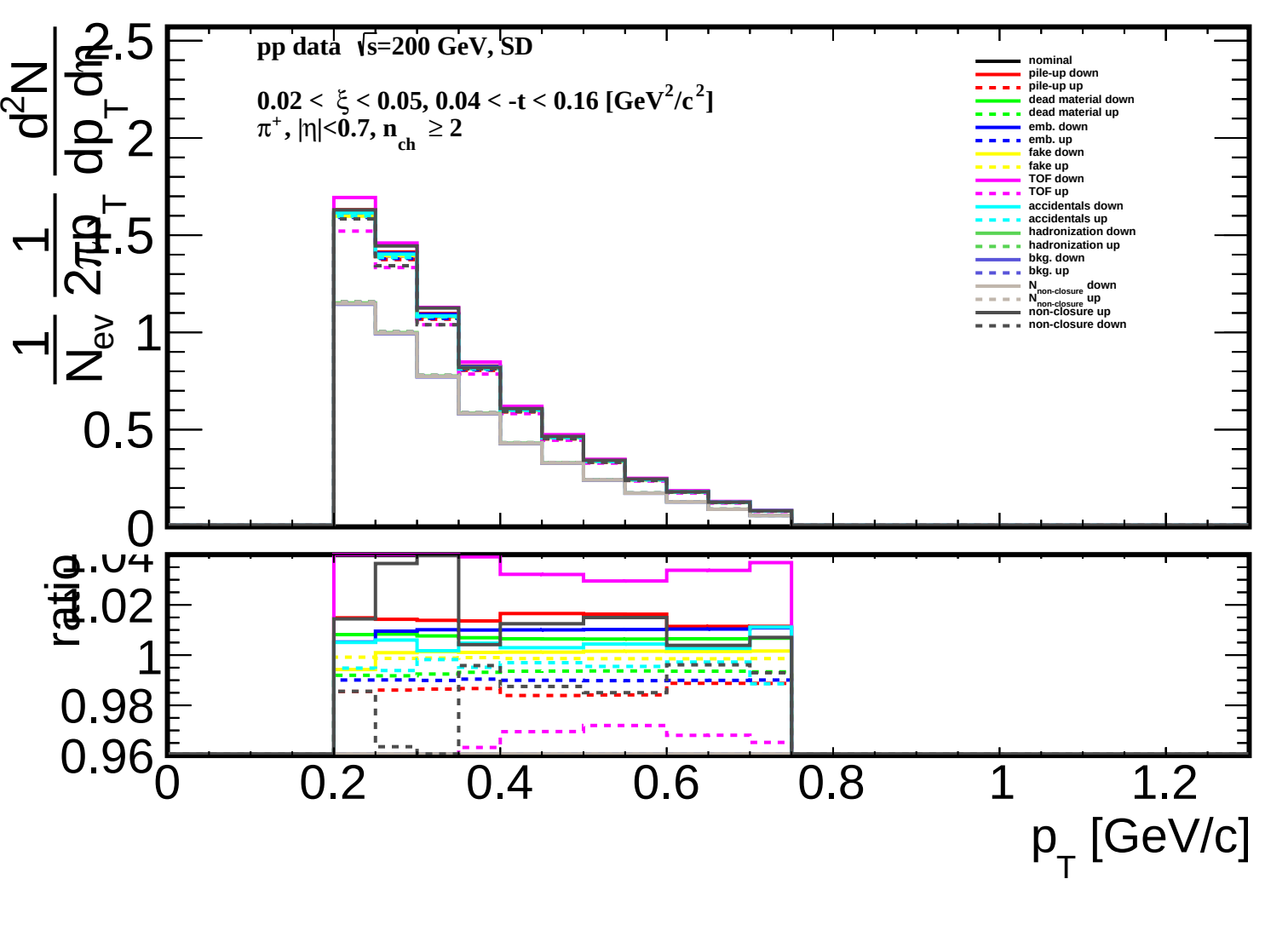
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
d²N/dp_T dη
1/N_ev 2π p_T dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
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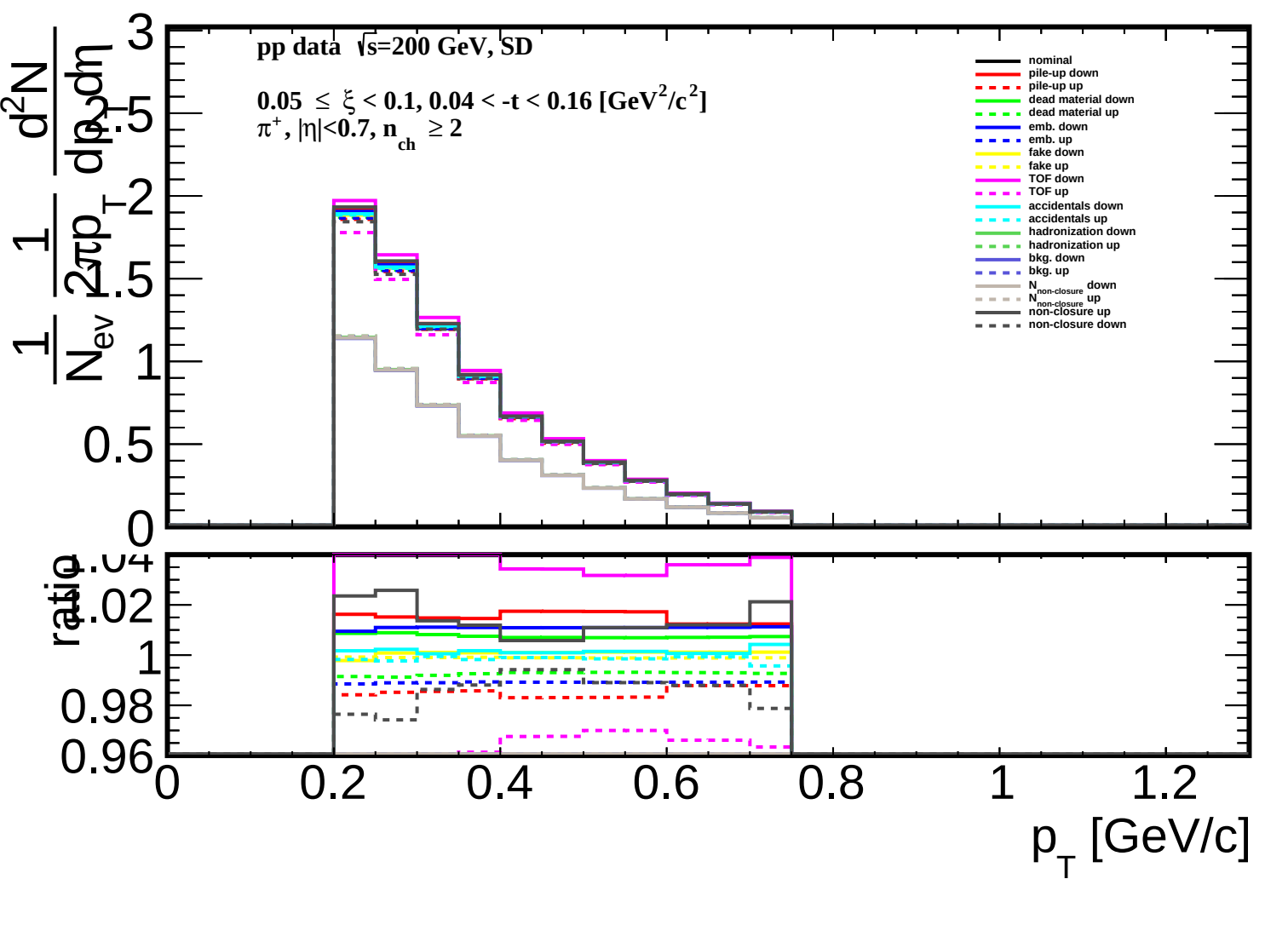
N non-closure up
non-closure up
non-closure down
1/N_ev 1/2πp_T d²N/dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
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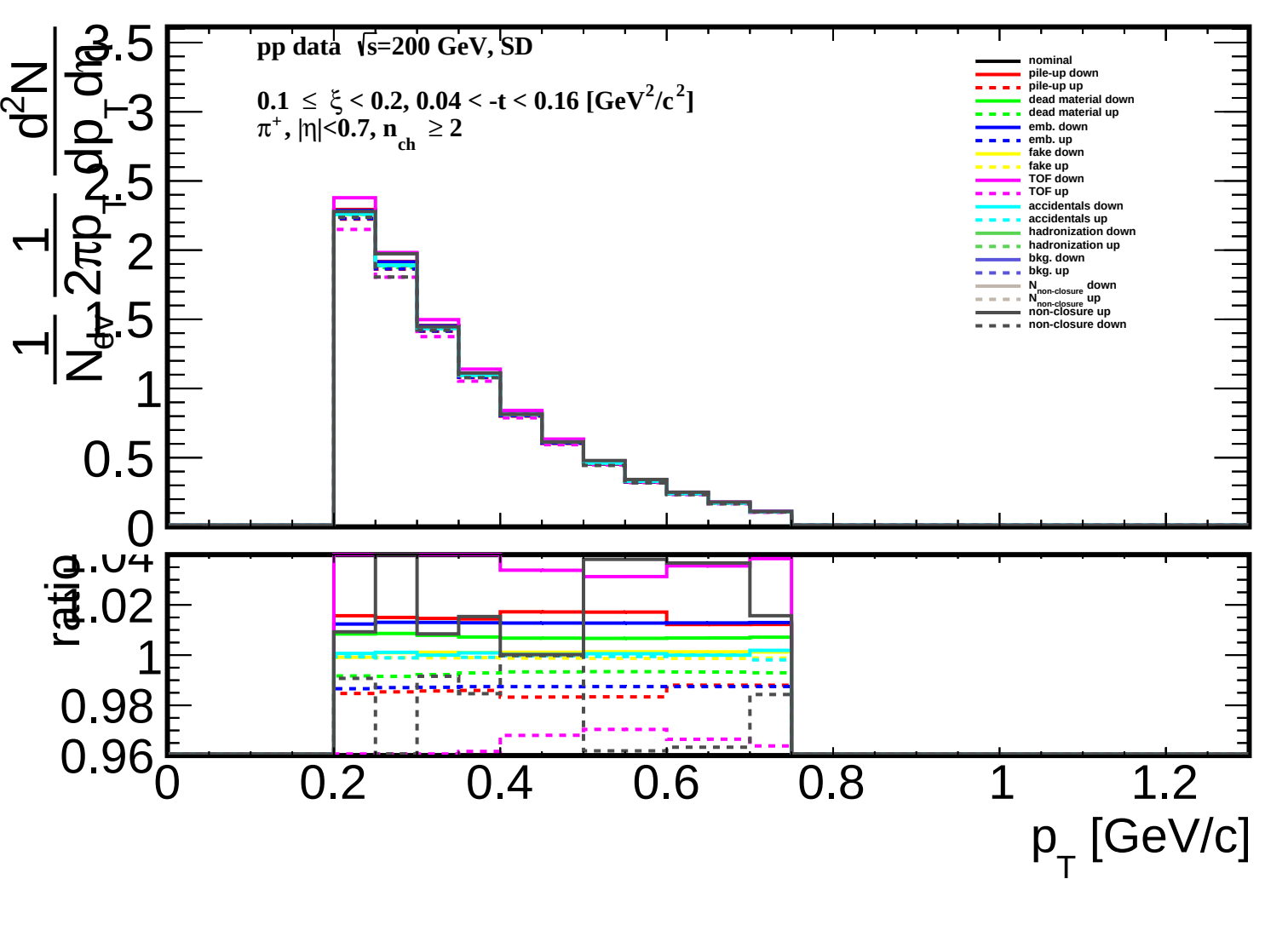
N non-closure up
non-closure up
non-closure down
1/N_ev 1/2πp_T d²N/dp_Tdη
ratio
p_T [GeV/c]


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
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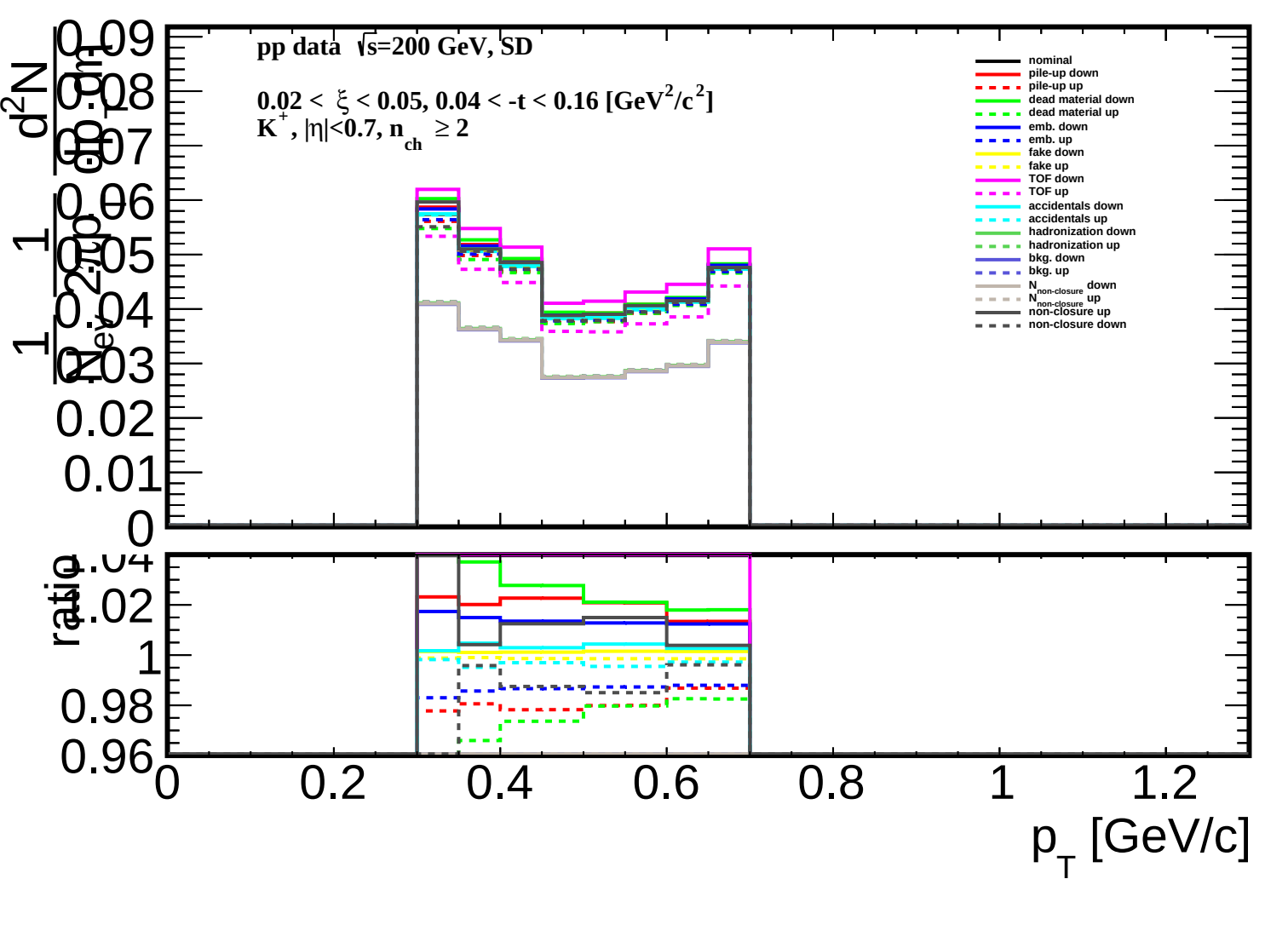
N non-closure down
N non-closure up
non-closure up
non-closure down
1/N_ev 1/2πp_T d²N/dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
K⁺, |η|<0.7, n_ch ≥ 2
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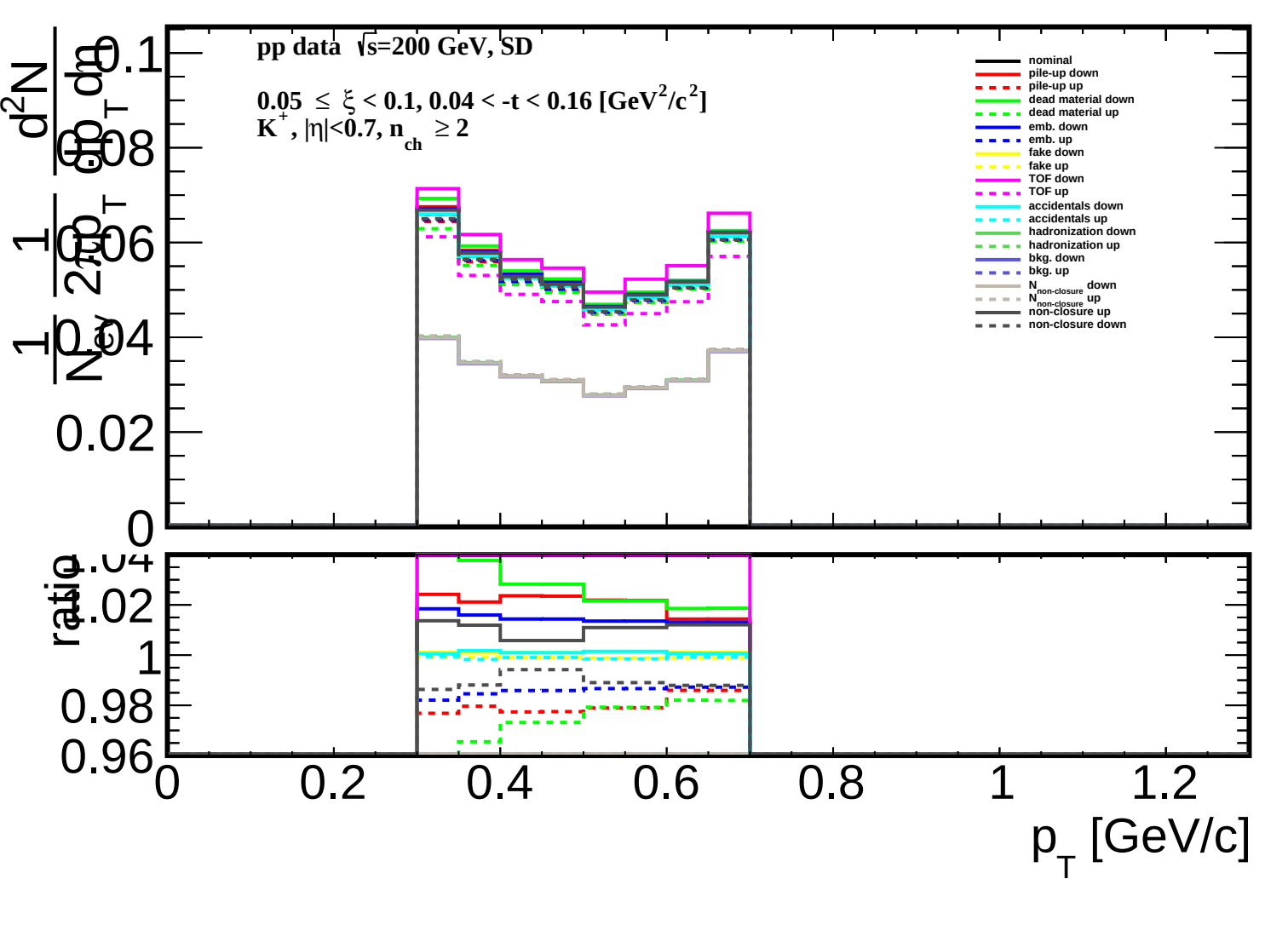
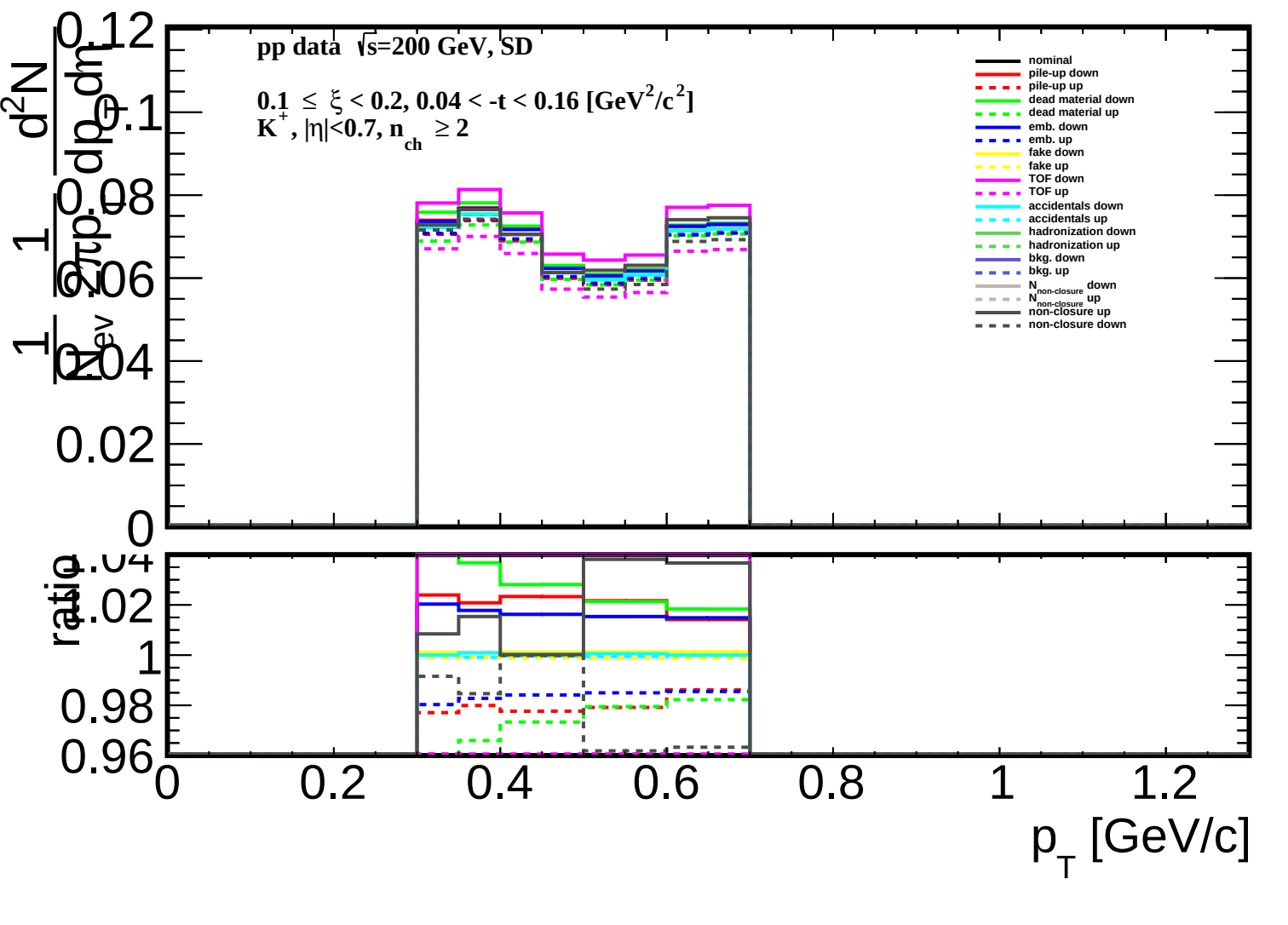
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
d²N / dp_T dη
1/N_ev 1/2π p_T
ratio
p_T [GeV/c]


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
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
N non-closure down
N non-closure up
non-closure up
non-closure down
d²N / dp_T dy
1/N_ev 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]
K⁺, |η|<0.7, n_ch ≥ 2
nominal
pile-up down
pile-up up
dead material down
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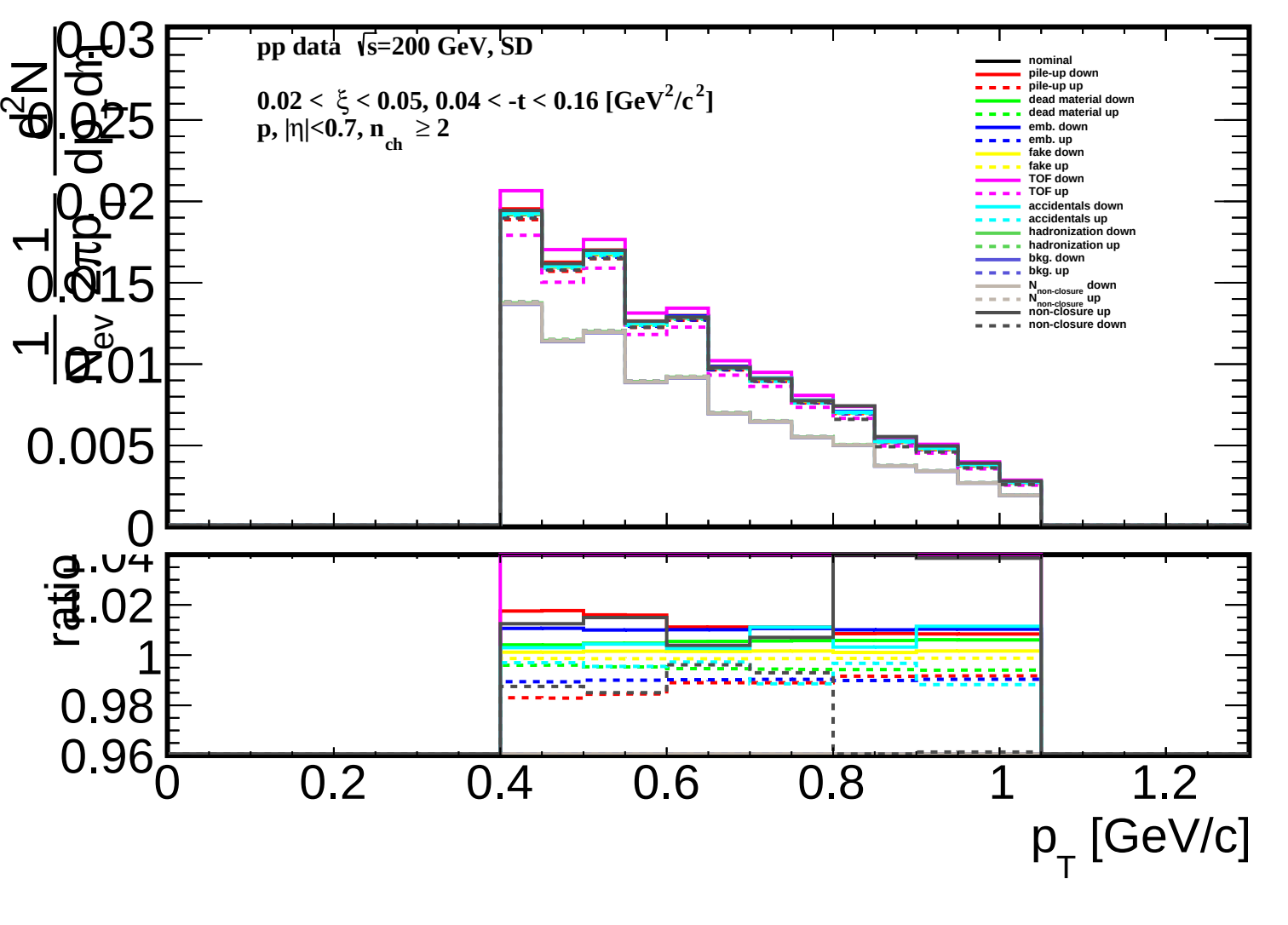
accidentals down
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
1/N_ev d²N/(2πp_T dp_T dη)
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
p, |η|<0.7, n_ch ≥ 2
nominal
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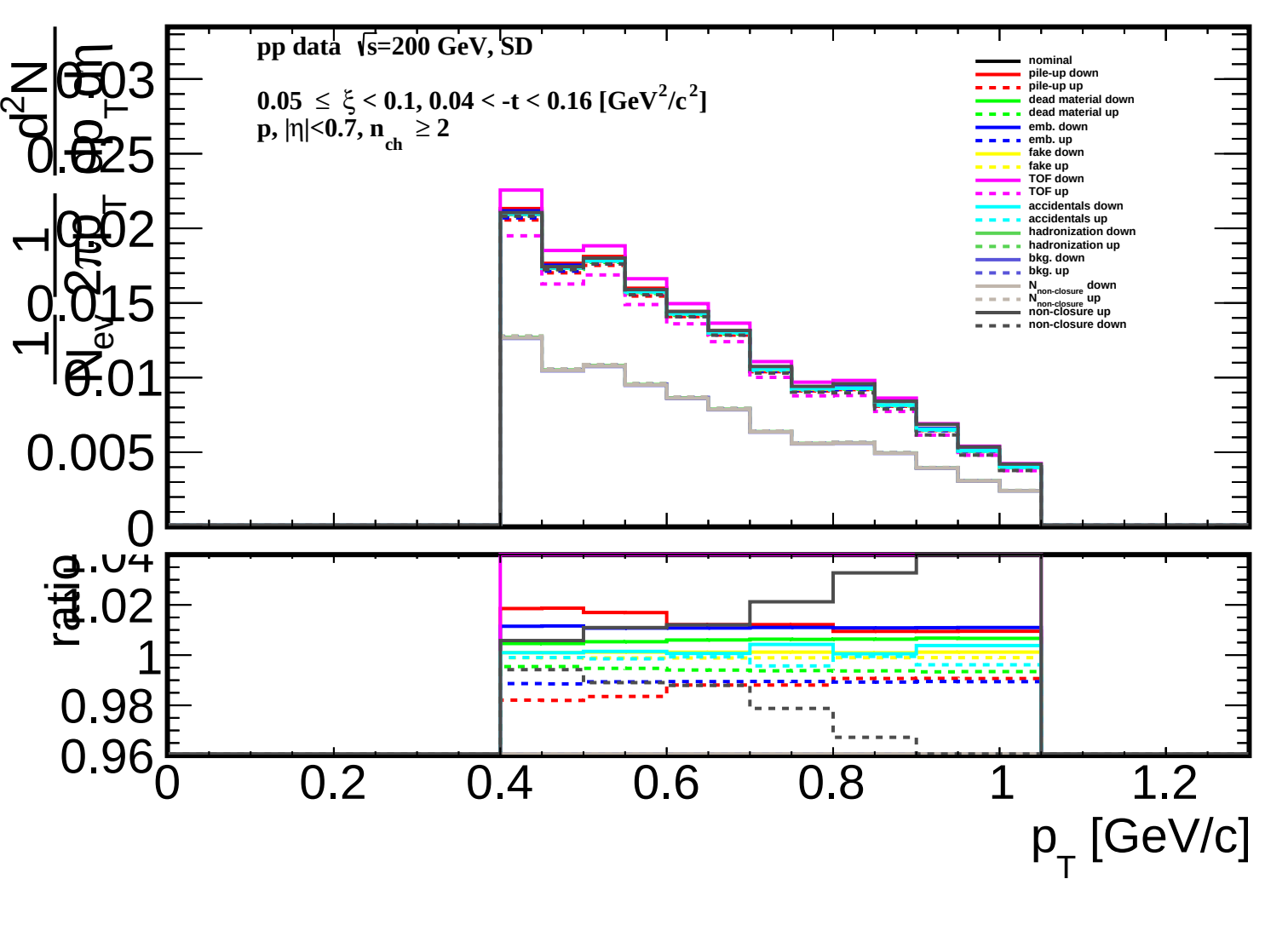
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
1/N_ev d²N/2πp_T dp_T dη
ratio
p_T [GeV/c]


pp data √s=200 GeV, SD
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
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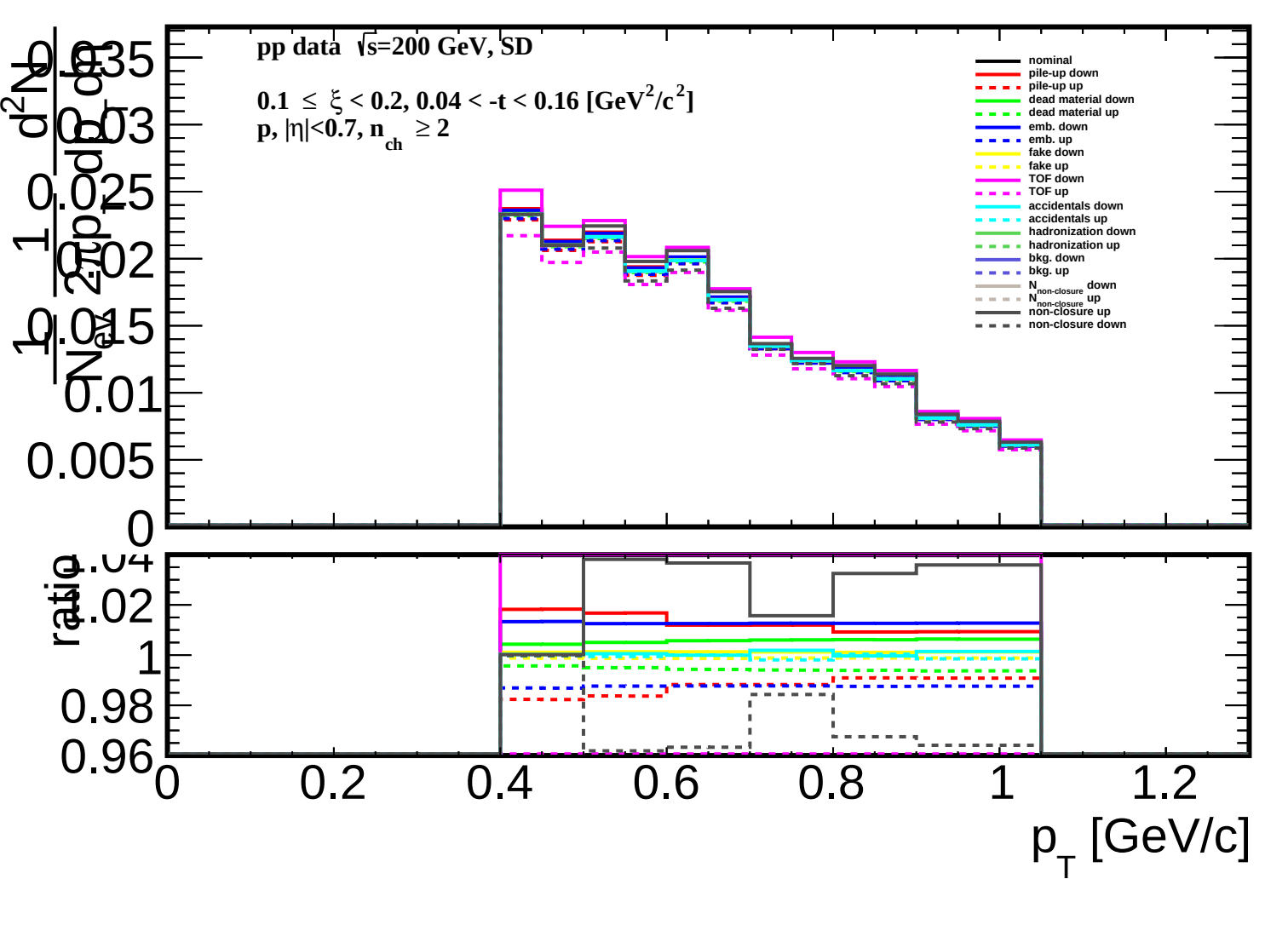
N non-closure up
non-closure up
non-closure down
1/N_ev d²N/dp_T dη
ratio
p_T [GeV/c]


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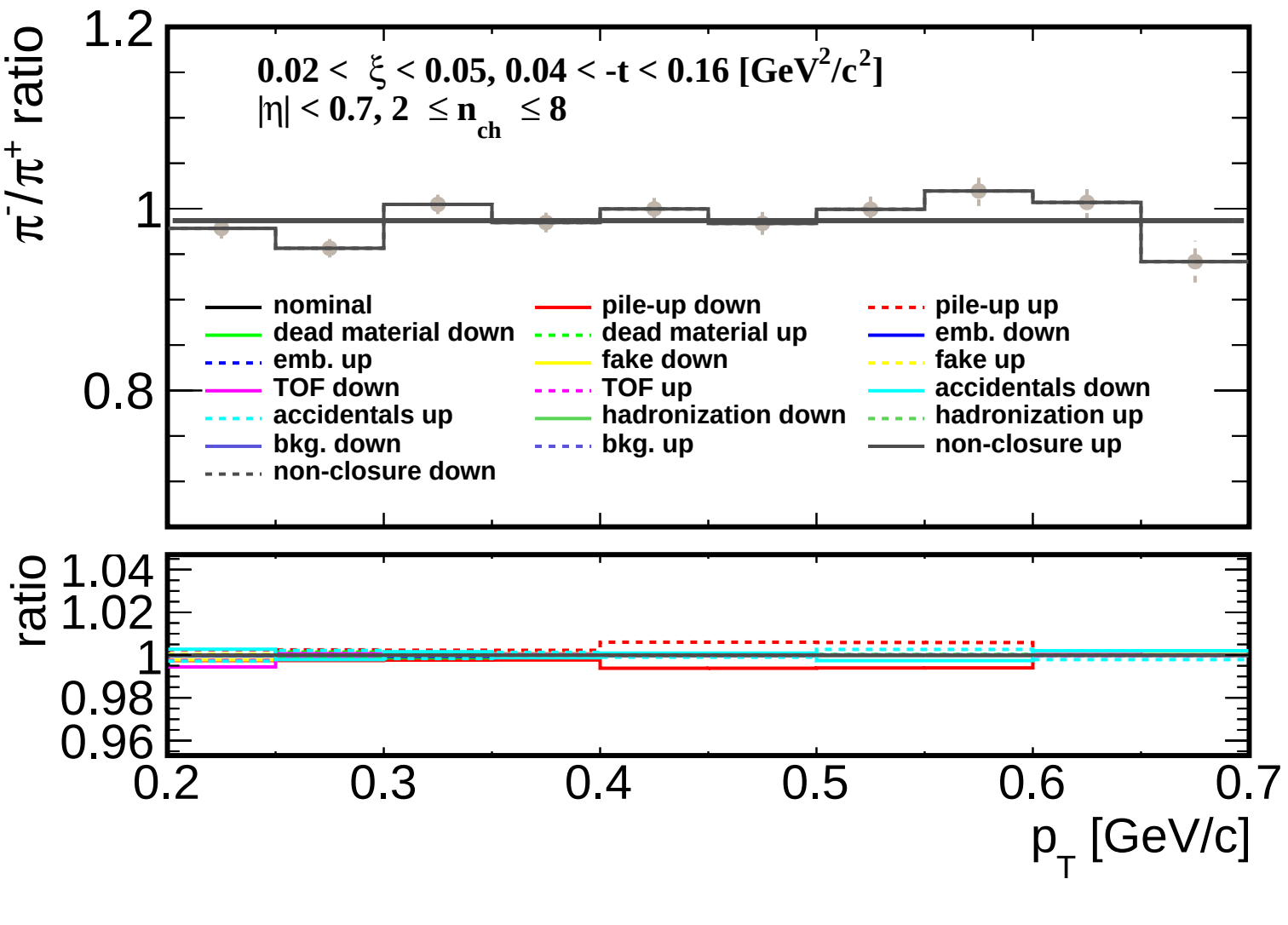
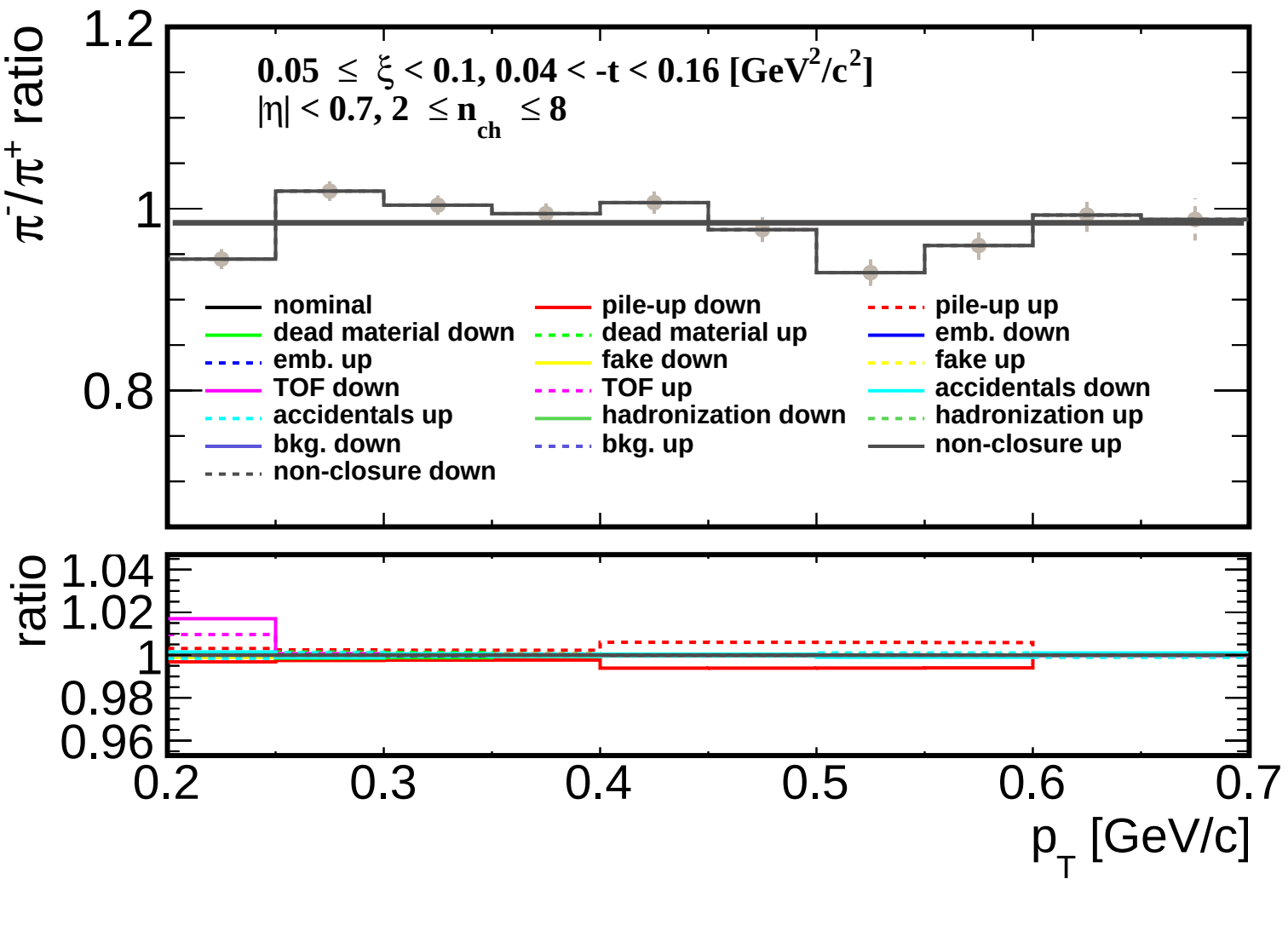
accidentals up
hadronization down
hadronization up
bkg. down
bkg. up
N non-closure down
N non-closure up
non-closure up
non-closure down
d²N / dp_T dη
1/N_ev 2π p_T dp_T dη
ratio
p_T [GeV/c]


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
TOF down
accidentals up
bkg. down
non-closure down
pile-up down
dead material up
fake down
TOF up
hadronization down
bkg. up
pile-up up
emb. down
fake up
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
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]
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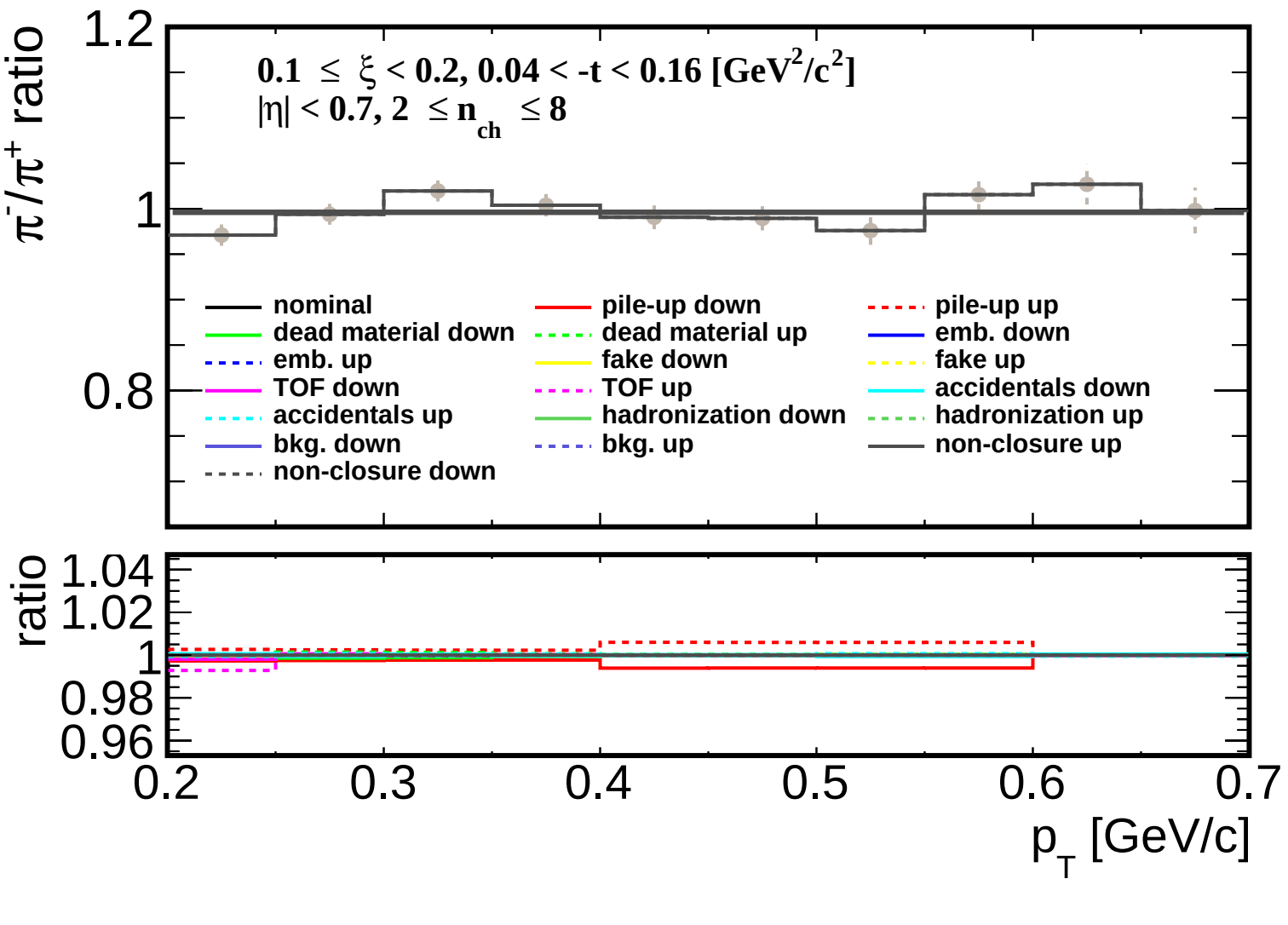
ratio
1.04
1.02
1
0.98
0.96
0.2
0.3
0.4
0.5
0.6
0.7
p_T [GeV/c]


π^-/π^+ ratio
1.2
1
0.8
$0.1 \leq \xi < 0.2$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
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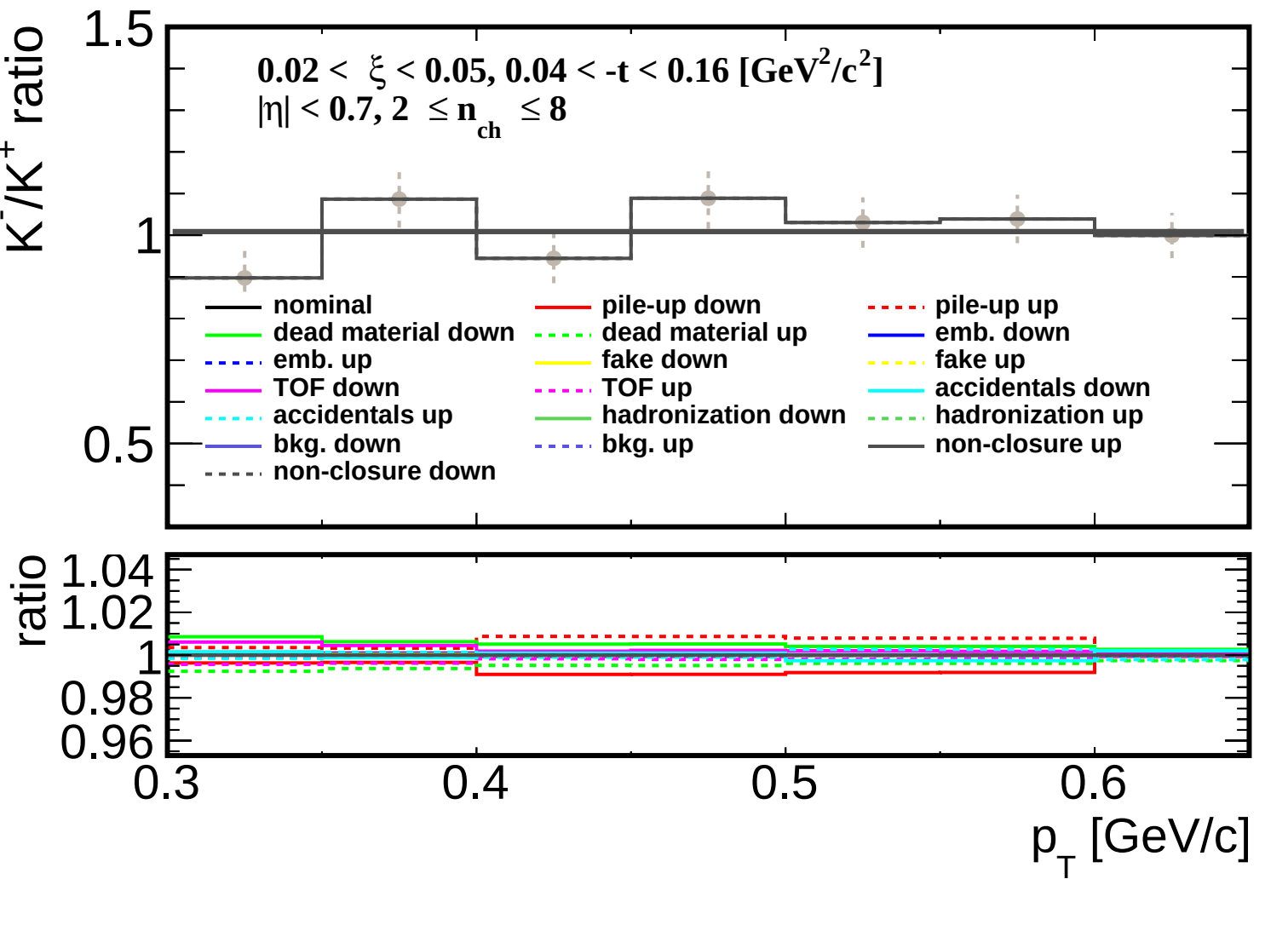
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
0.2
0.3
0.4
0.5
0.6
0.7
p_T [GeV/c]


K^-/K^+ ratio
1.5
1
0.5
$0.02 < \xi < 0.05$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
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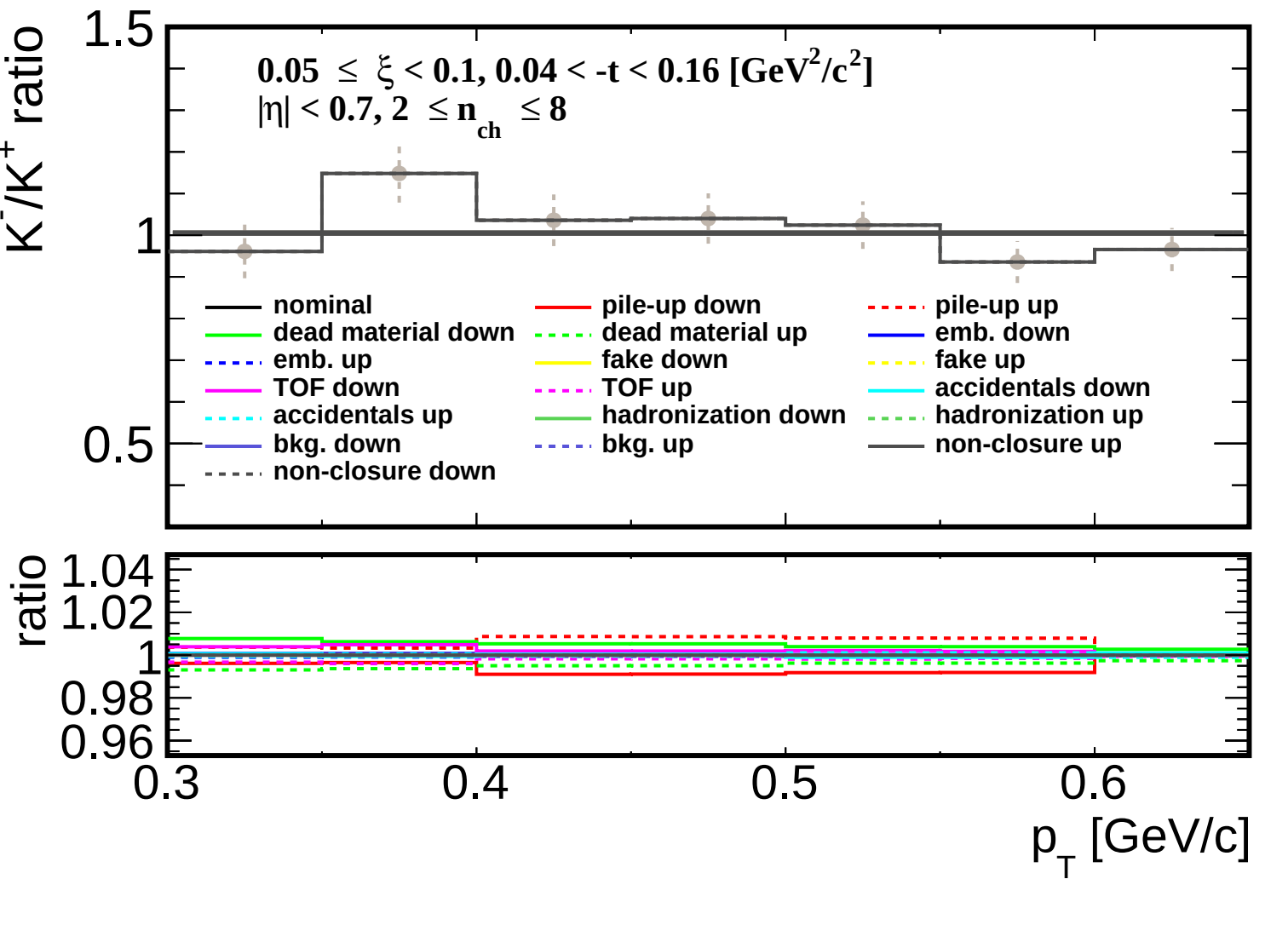
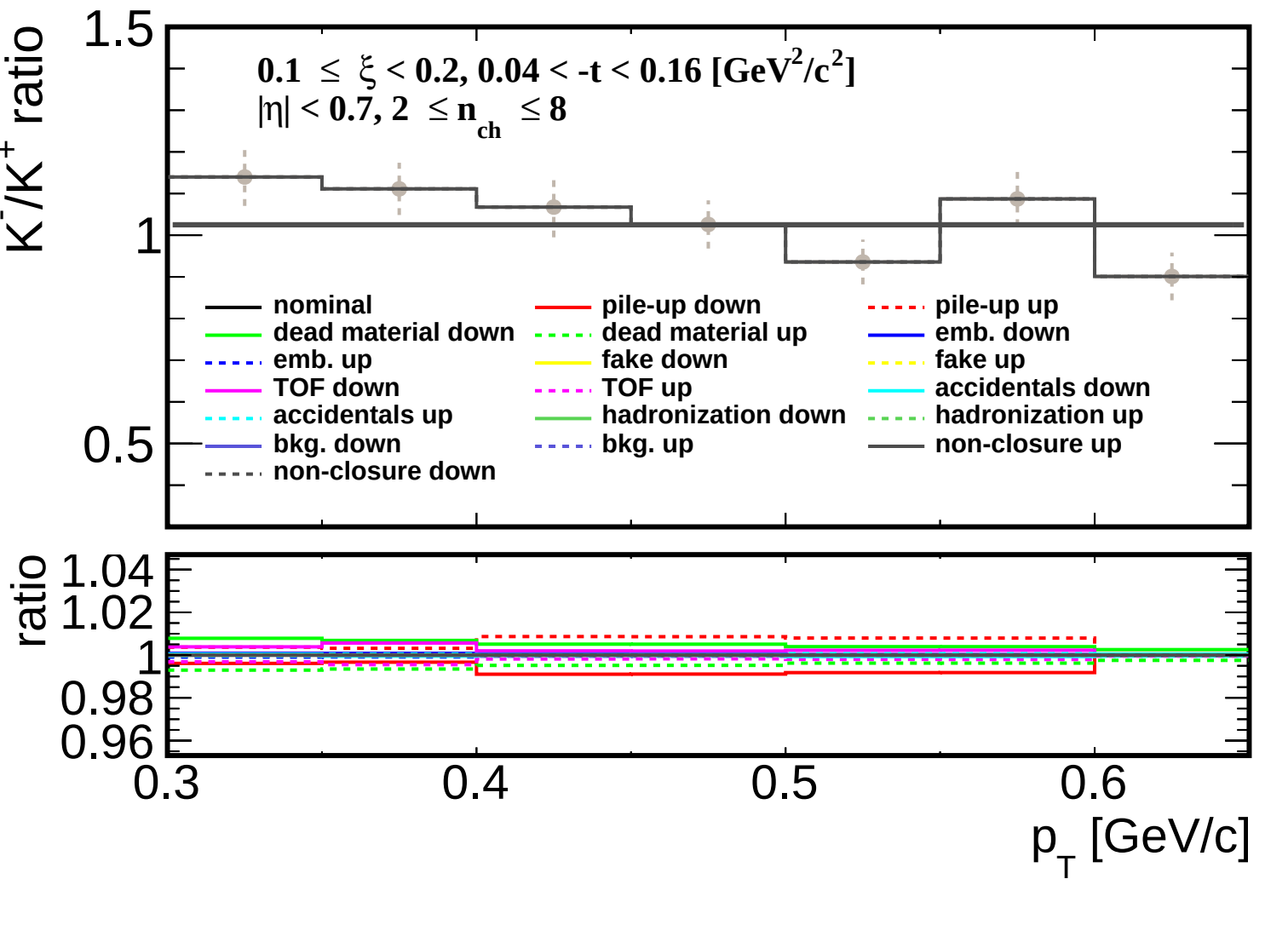
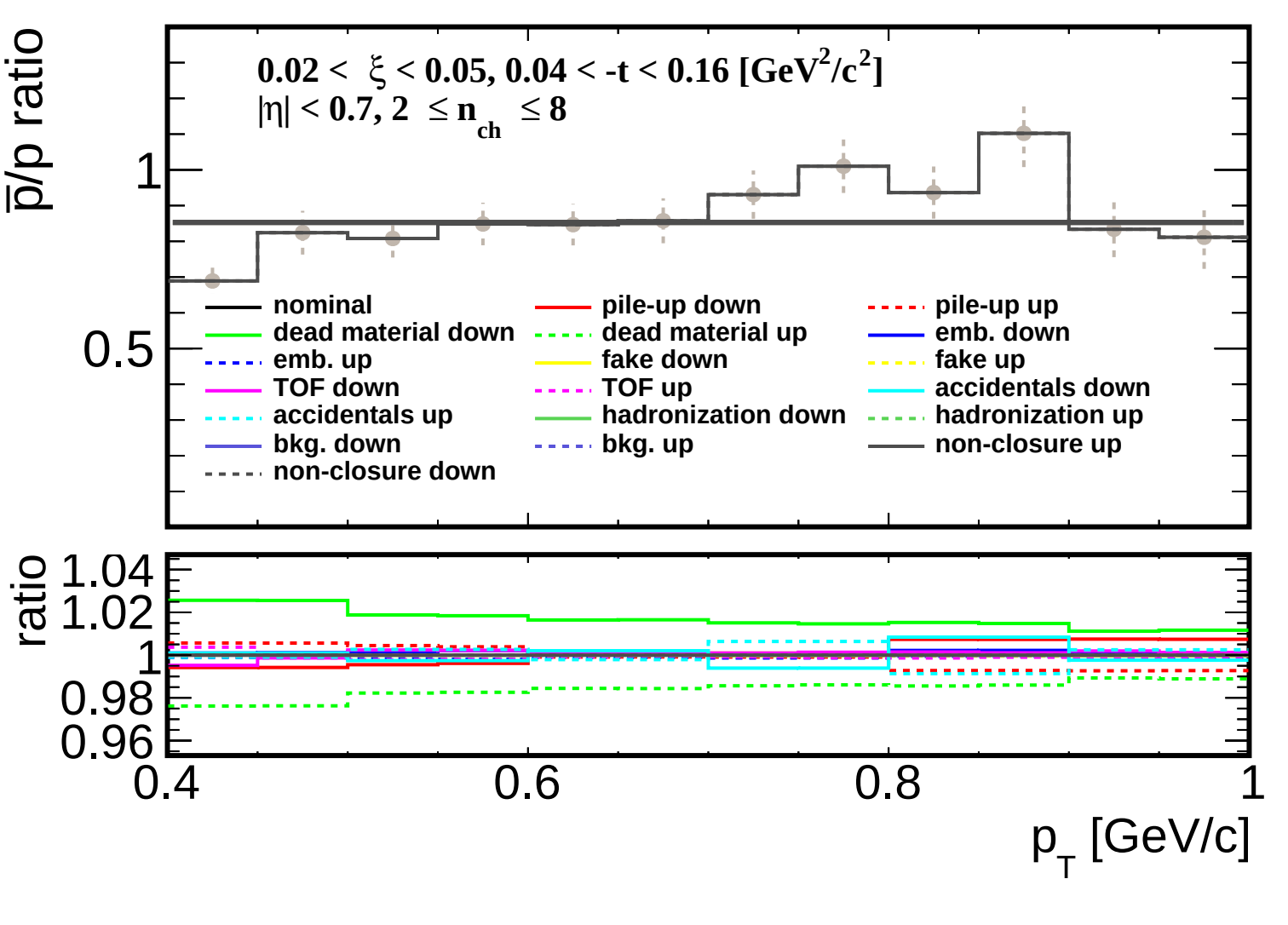
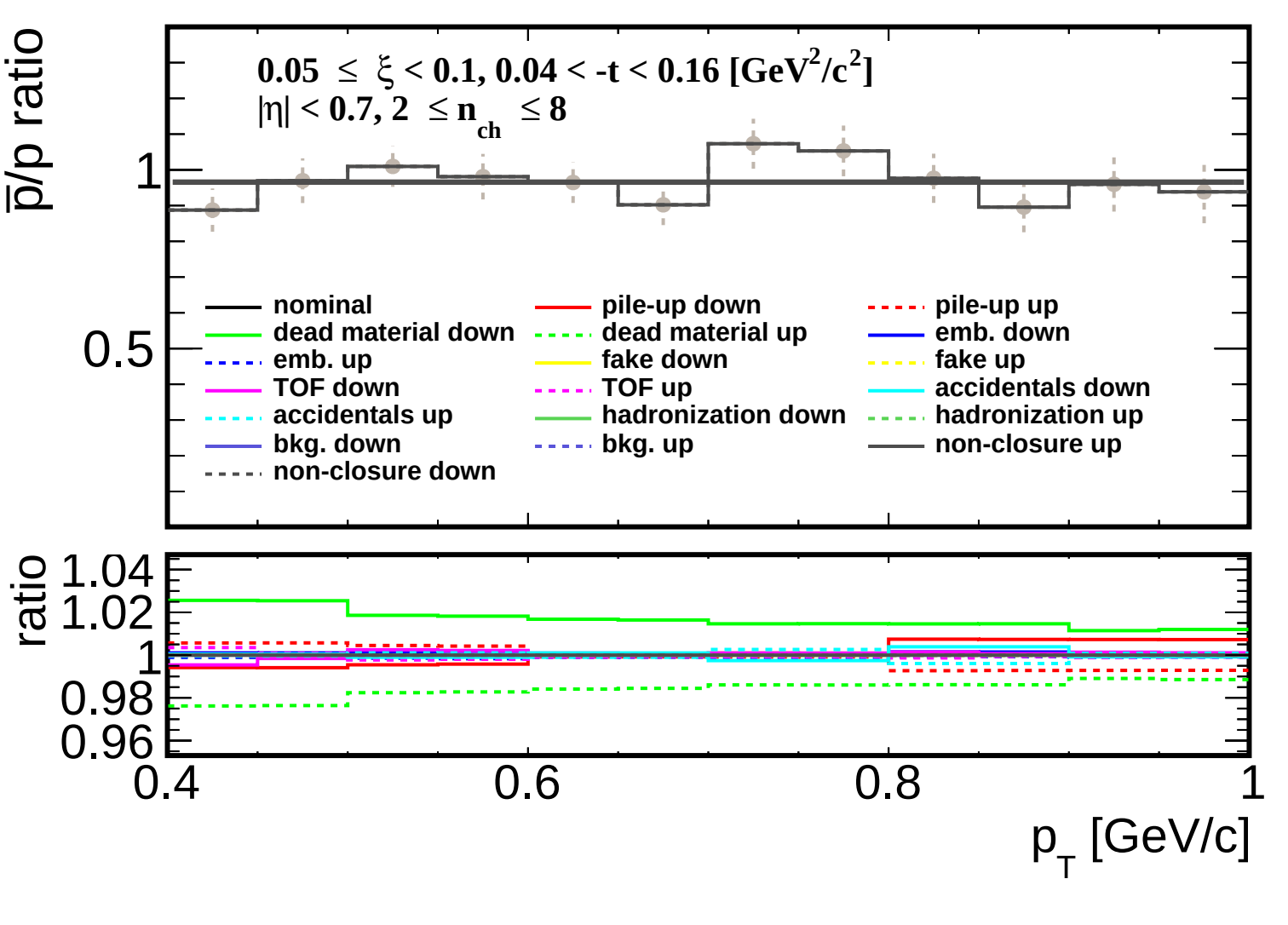
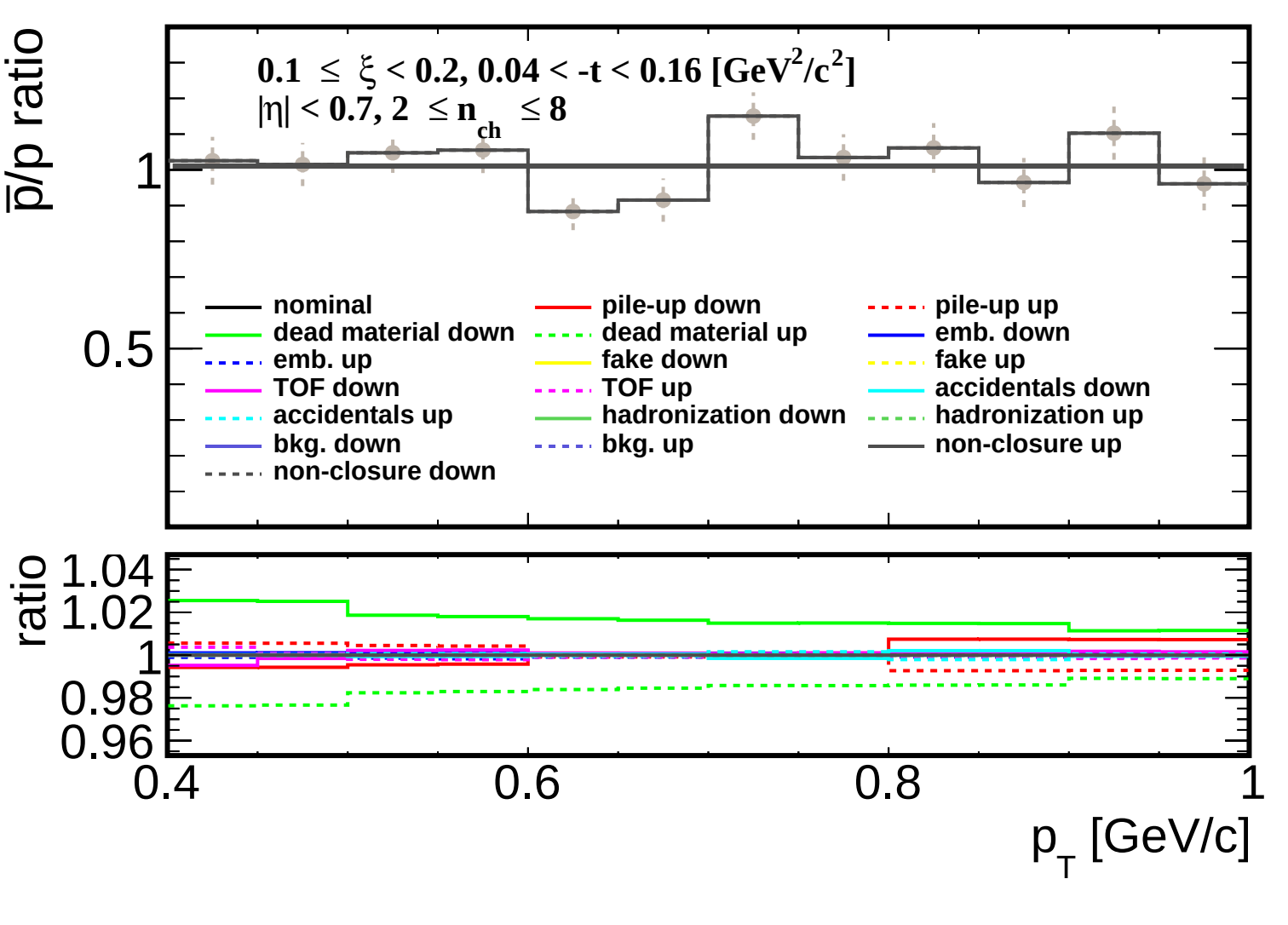
fake up
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
0.3
0.4
0.5
0.6
p_T [GeV/c]

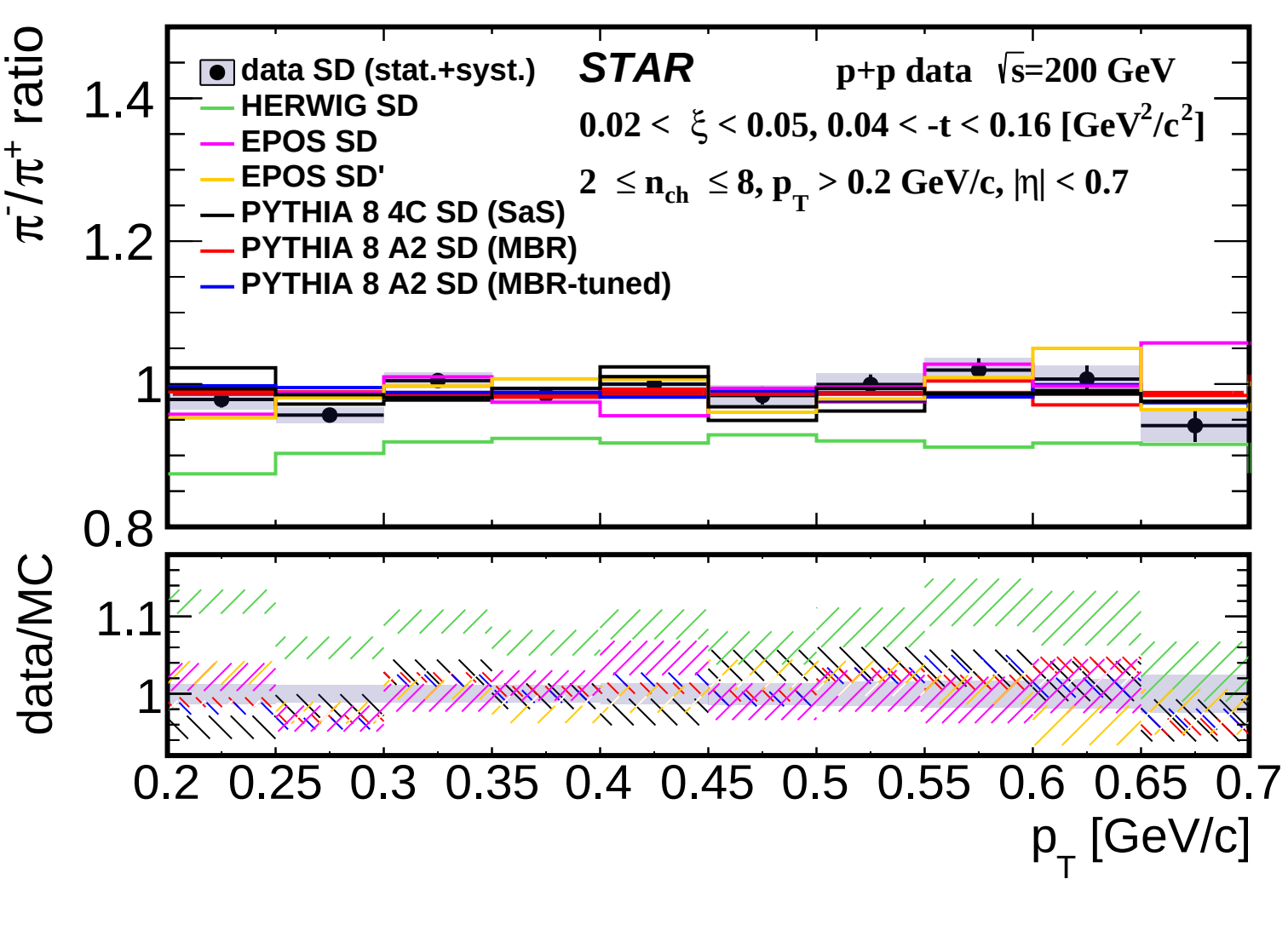

0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
|η| < 0.7, 2 ≤ n_ch ≤ 8
K⁻/K⁺ ratio
1.5
1
0.5
nominal
dead material down
emb. up
TOF down
accidentals up
bkg. down
non-closure down
pile-up down
dead material up
fake down
TOF up
hadronization down
bkg. up
pile-up up
emb. down
fake up
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
0.3
0.4
0.5
0.6
p_T [GeV/c]

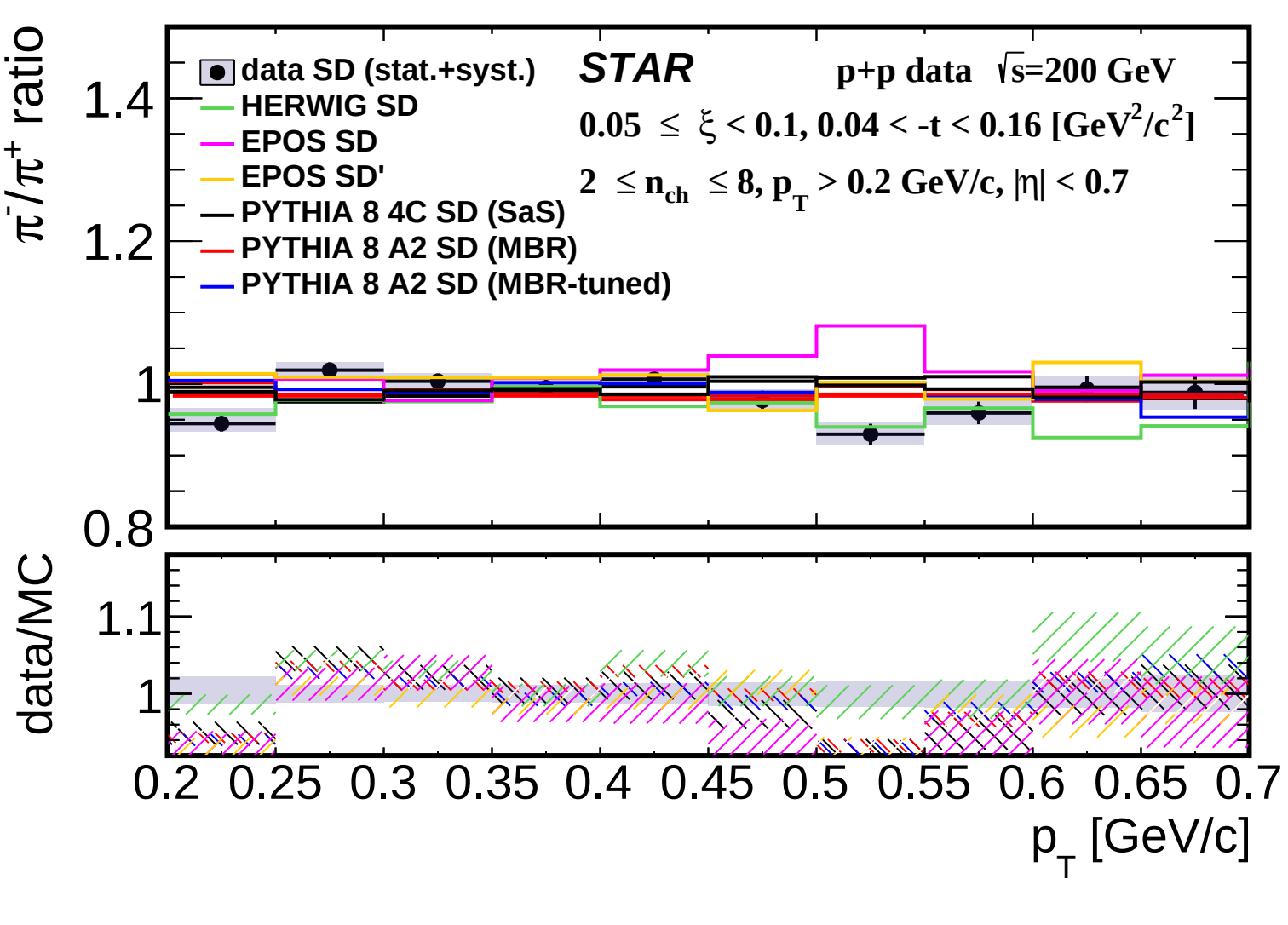

K^-/K^+ ratio
1.5
1
0.5
$0.1 \leq \xi < 0.2$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
TOF down
accidentals up
bkg. down
non-closure down
pile-up down
dead material up
fake down
TOF up
hadronization down
bkg. up
pile-up up
emb. down
fake up
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
0.3
0.4
0.5
0.6
p_T [GeV/c]

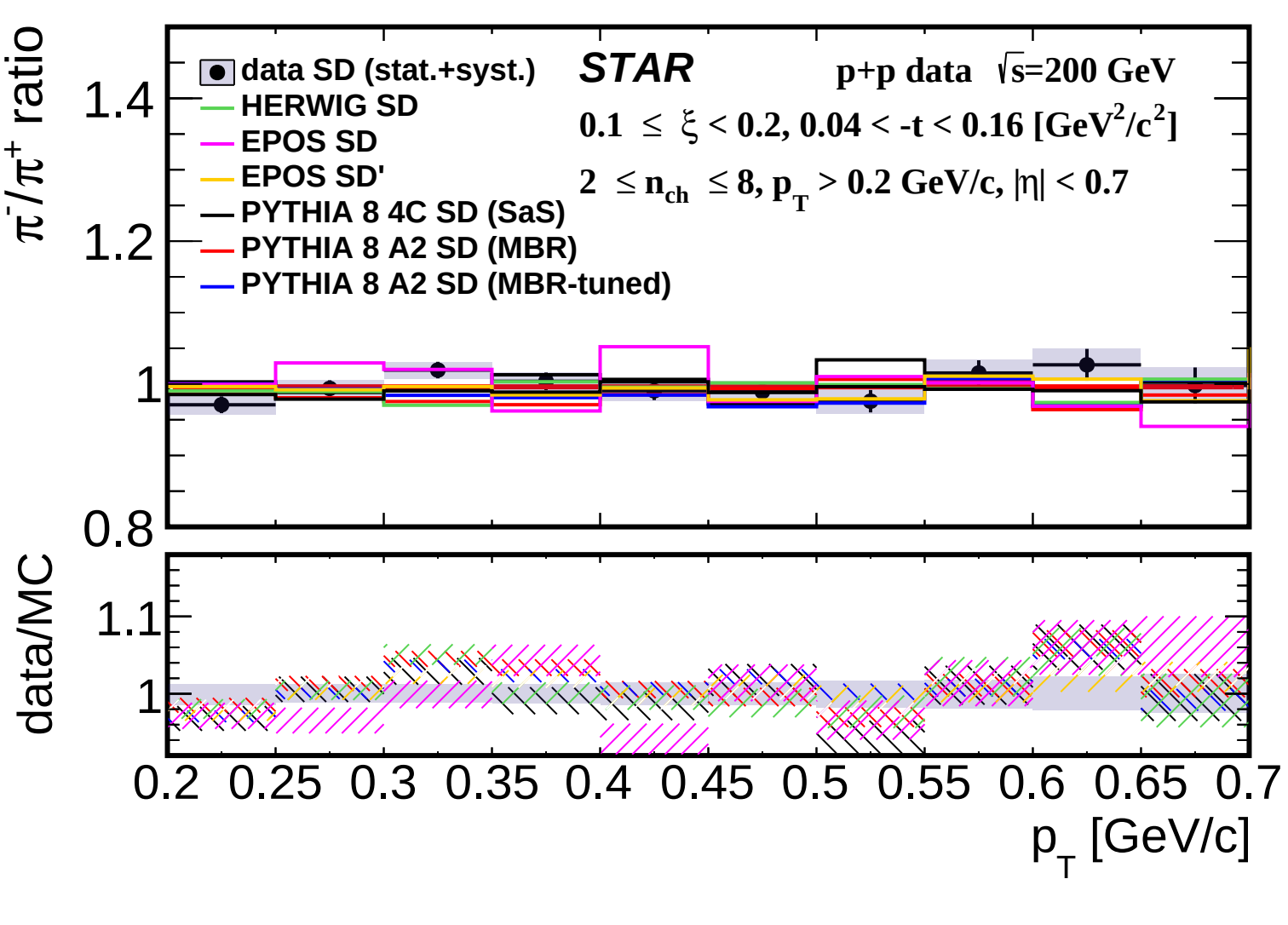

$\bar{p}/p$ ratio
$0.02 < \xi < 0.05$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
nominal
dead material down
emb. up
TOF down
accidentals up
bkg. down
non-closure down
pile-up down
dead material up
fake down
TOF up
hadronization down
bkg. up
pile-up up
emb. down
fake up
accidentals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

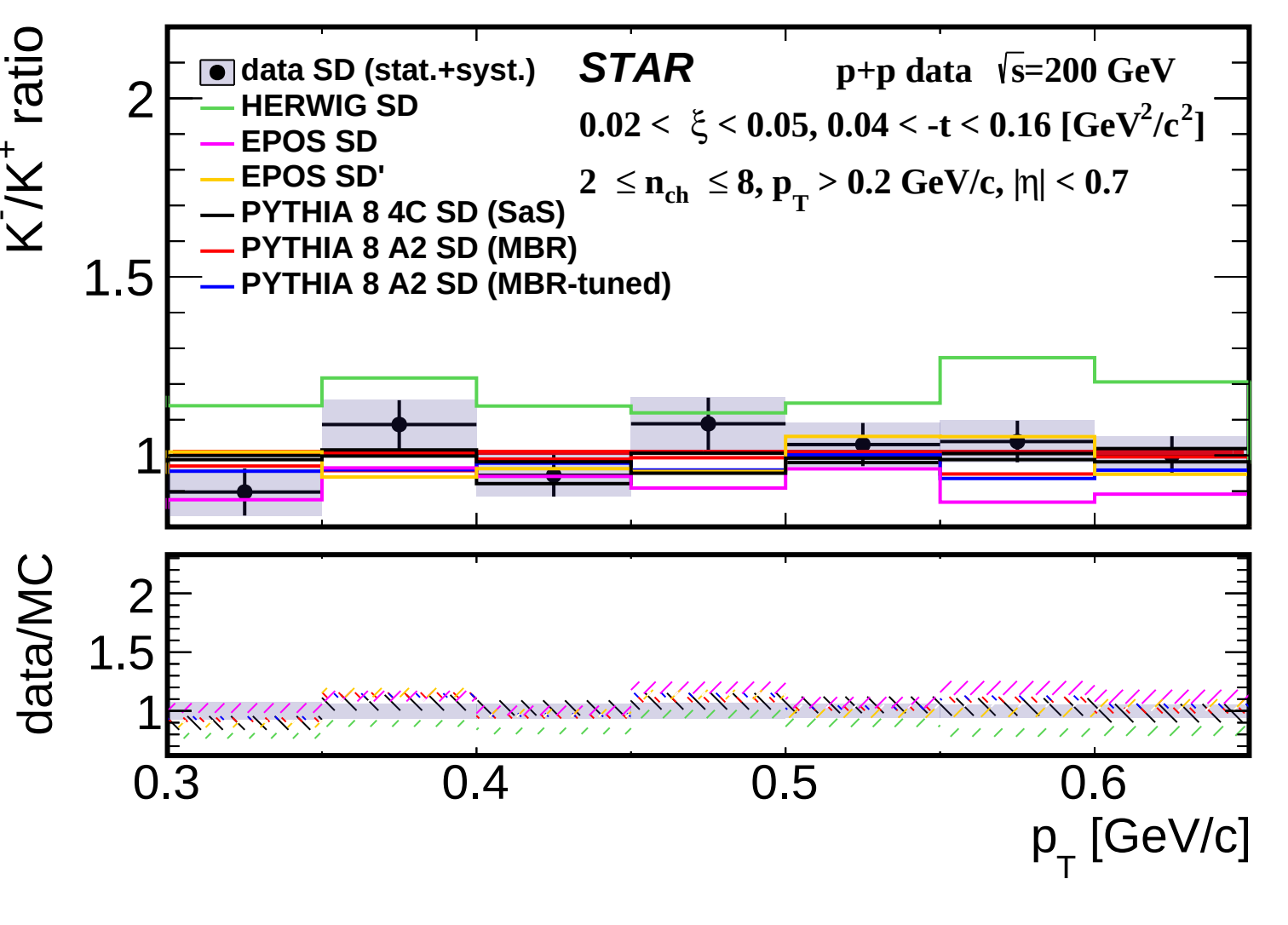

$\bar{p}/p$ ratio
$0.05 \leq \xi < 0.1$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
1
0.5
nominal
dead material down
emb. up
TOF down
accidentals up
bkg. down
non-closure down
pile-up down
dead material up
fake down
TOF up
hadronization down
bkg. up
pile-up up
emb. down
fake up
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
0.4
0.6
0.8
1
p_T [GeV/c]

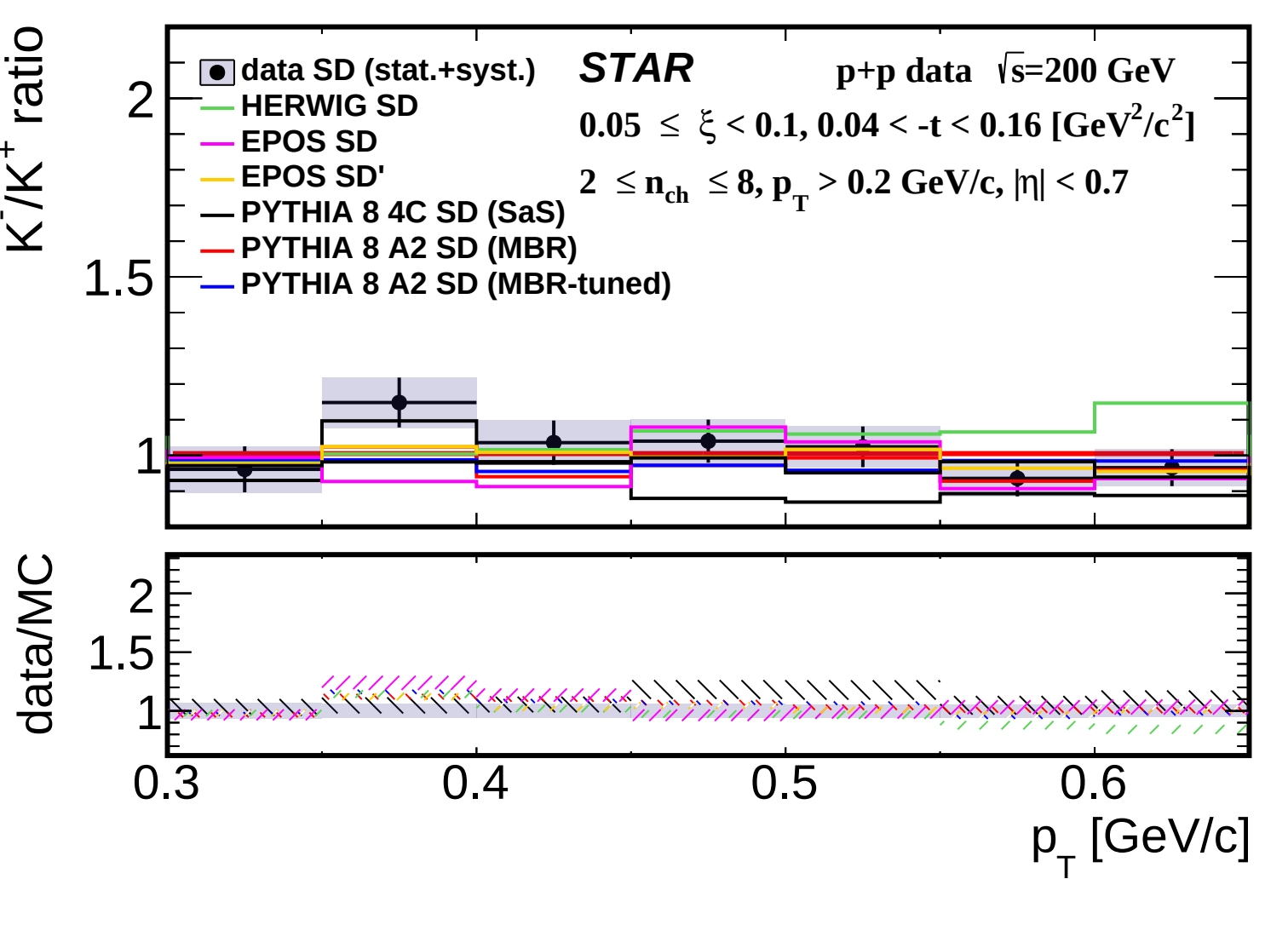

$\bar{p}/p$ ratio
$0.1 \leq \xi < 0.2$, $0.04 < -t < 0.16$ [GeV^2/c^2]
$|\eta| < 0.7$, $2 \leq n_{ch} \leq 8$
1
0.5
nominal
dead material down
emb. up
TOF down
accidentals up
bkg. down
non-closure down
pile-up down
dead material up
fake down
TOF up
hadronization down
bkg. up
pile-up up
emb. down
fake up
accidentals down
hadronization up
non-closure up
ratio
1.04
1.02
1
0.98
0.96
0.4
0.6
0.8
1
p_T [GeV/c]

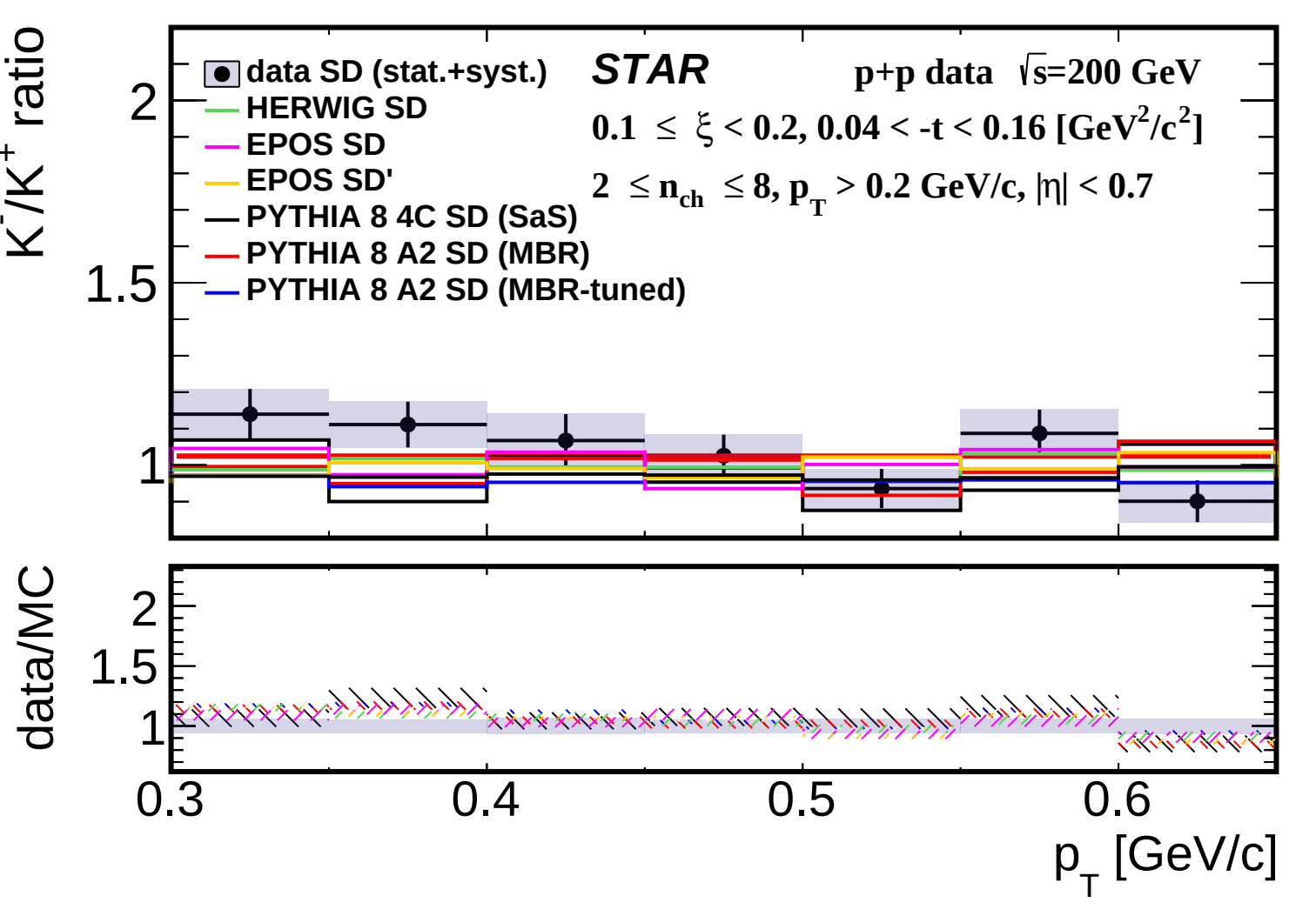

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
π⁻/π⁺ ratio
data/MC
p_T [GeV/c]

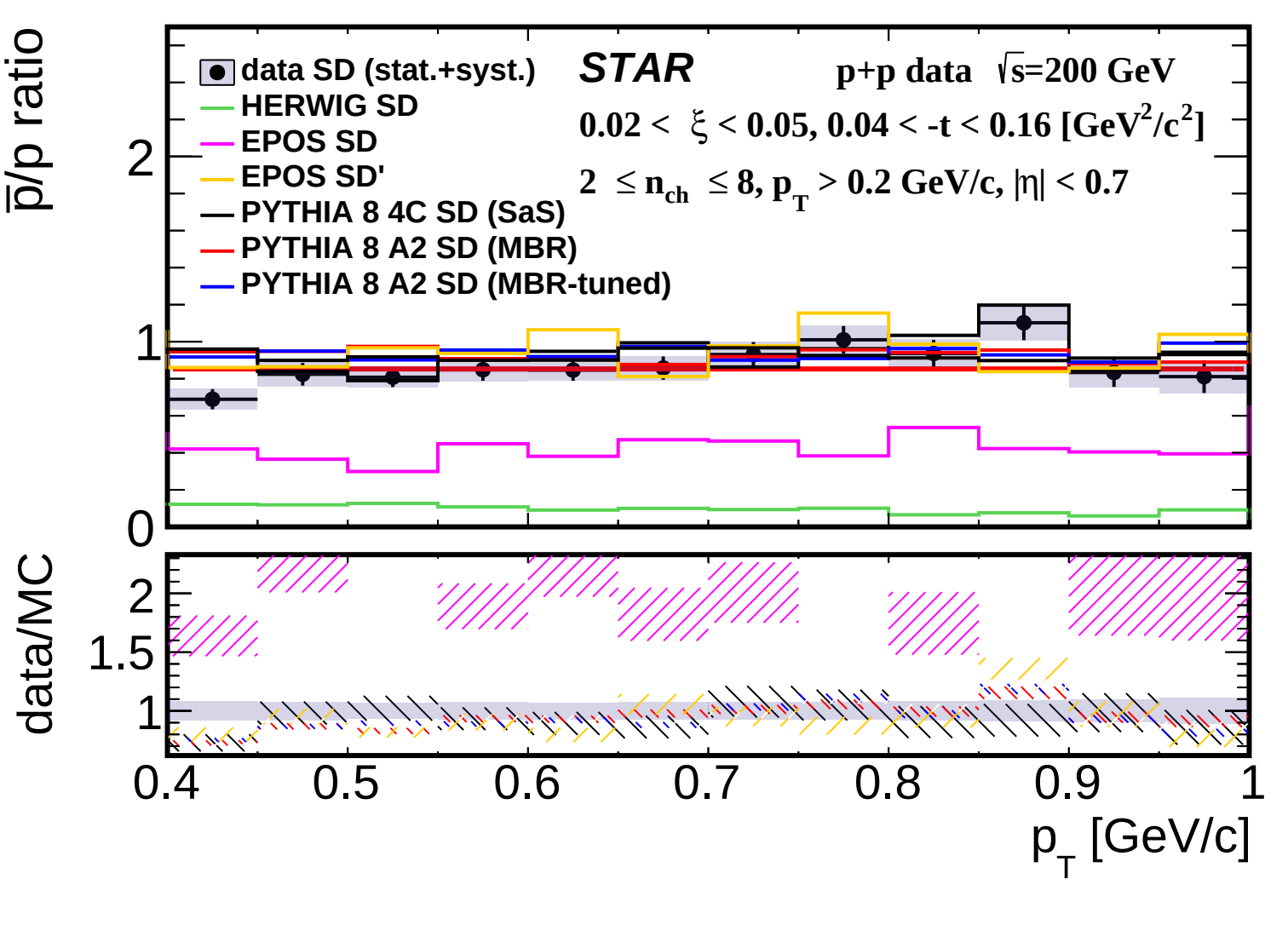

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
π⁻/π⁺ ratio
data/MC
p_T [GeV/c]

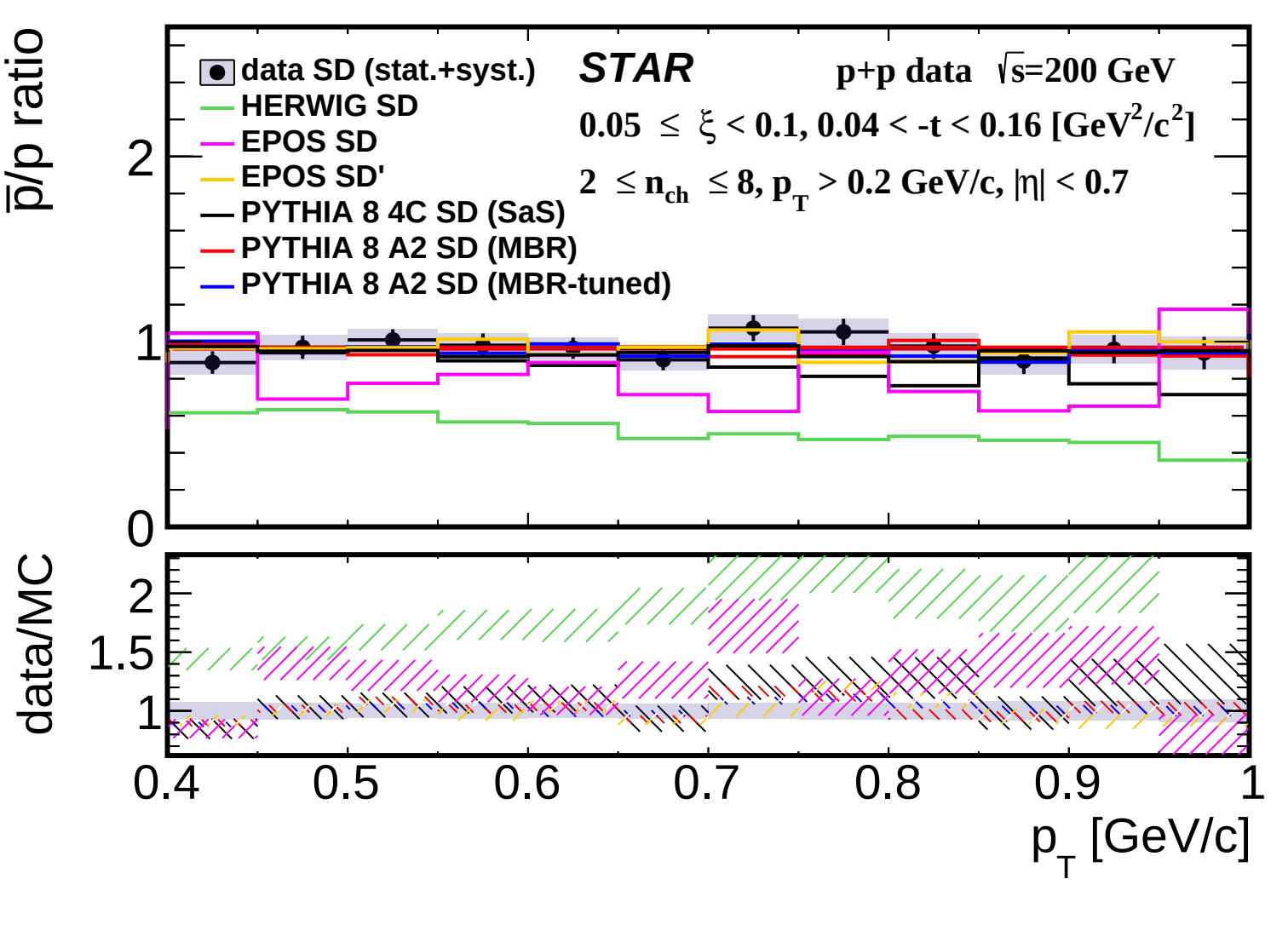

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
π⁻/π⁺ ratio
data/MC
p_T [GeV/c]

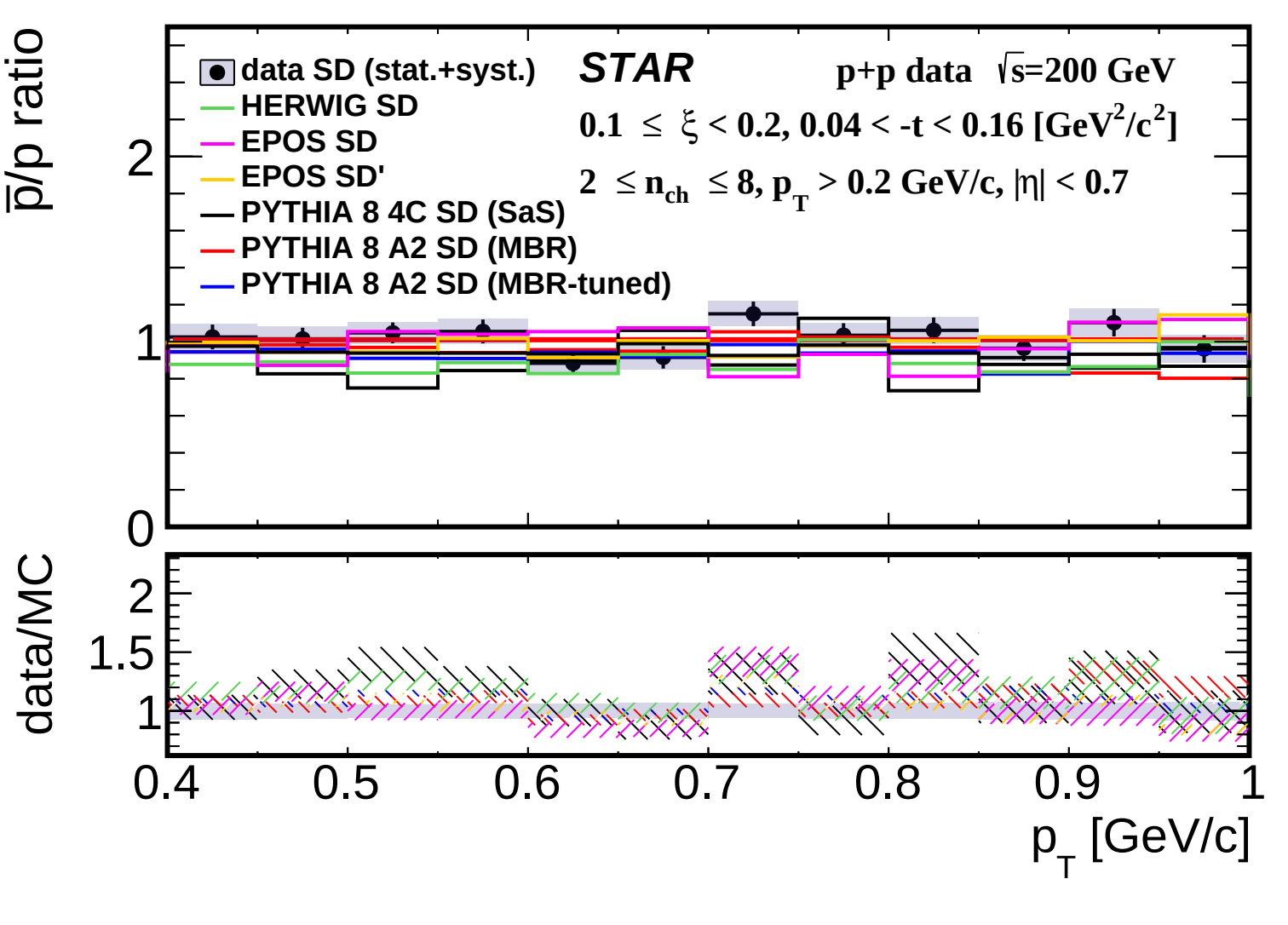

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
K⁻/K⁺ ratio
data/MC
p_T [GeV/c]
0.3
0.4
0.5
0.6
1
1.5
2

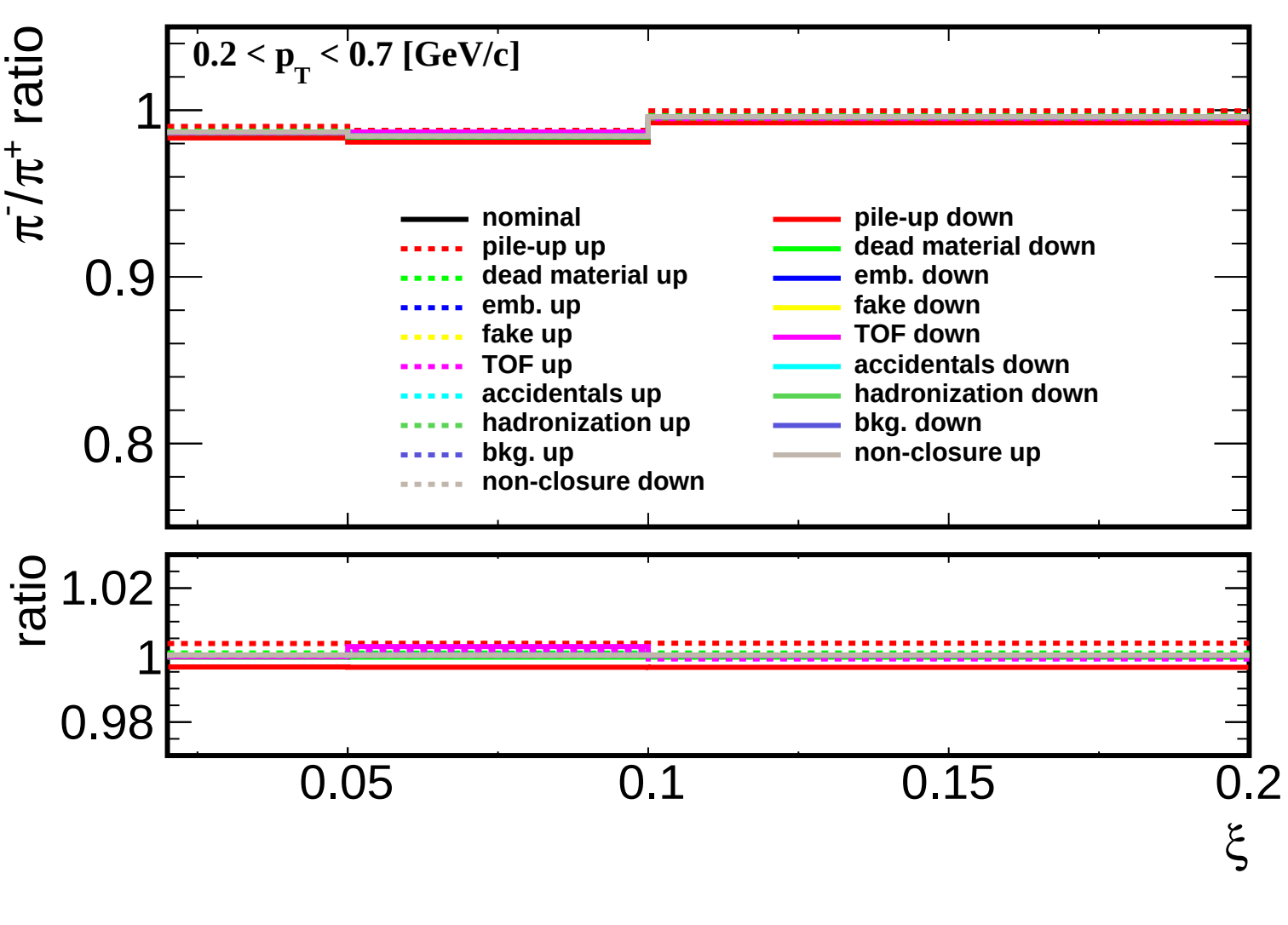

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
K⁻/K⁺ ratio
data/MC
p_T [GeV/c]

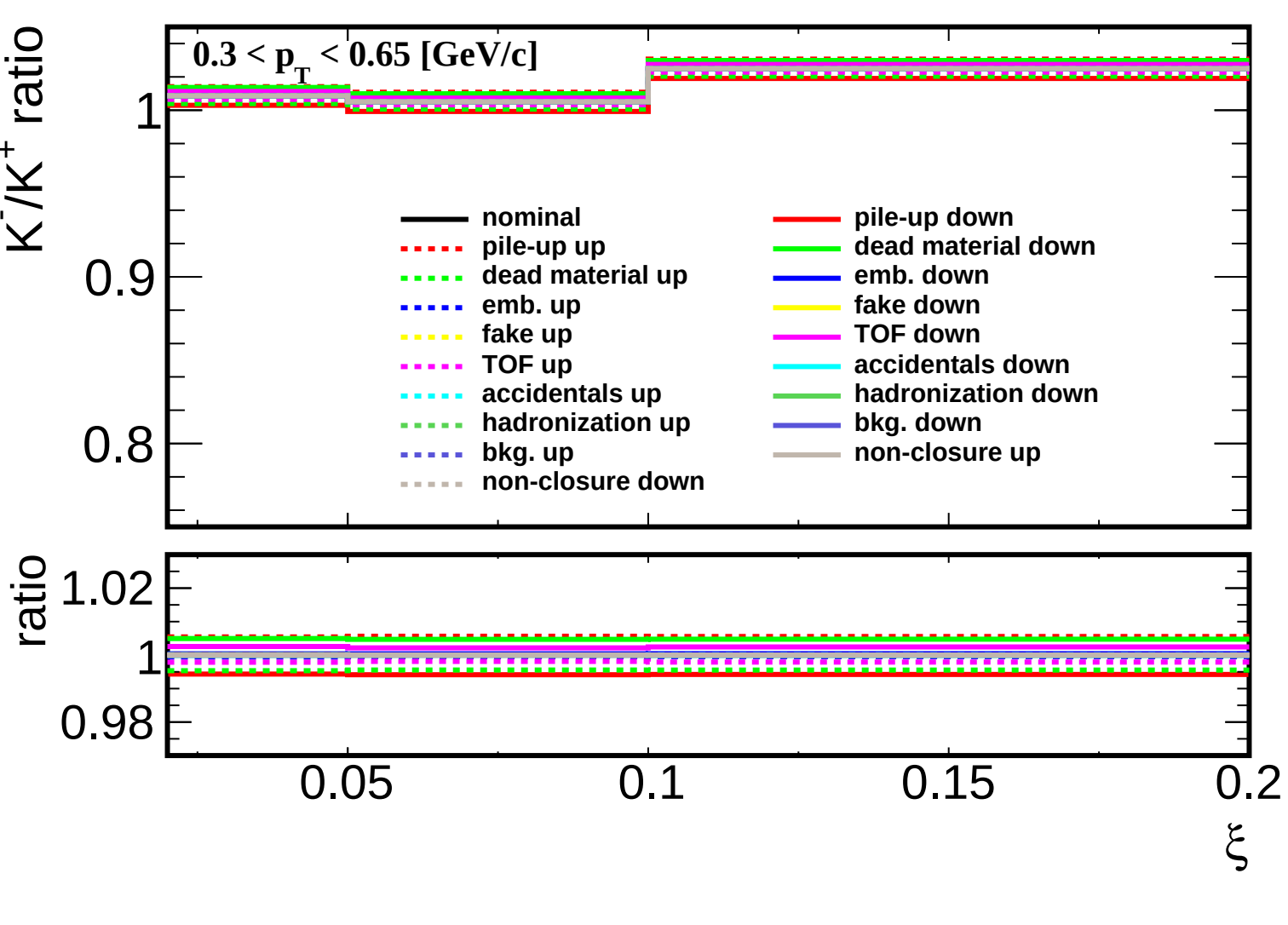

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.1 ≤ ξ < 0.2, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
K⁻/K⁺ ratio
data/MC
p_T [GeV/c]
0.3
0.4
0.5
0.6
1
1.5
2

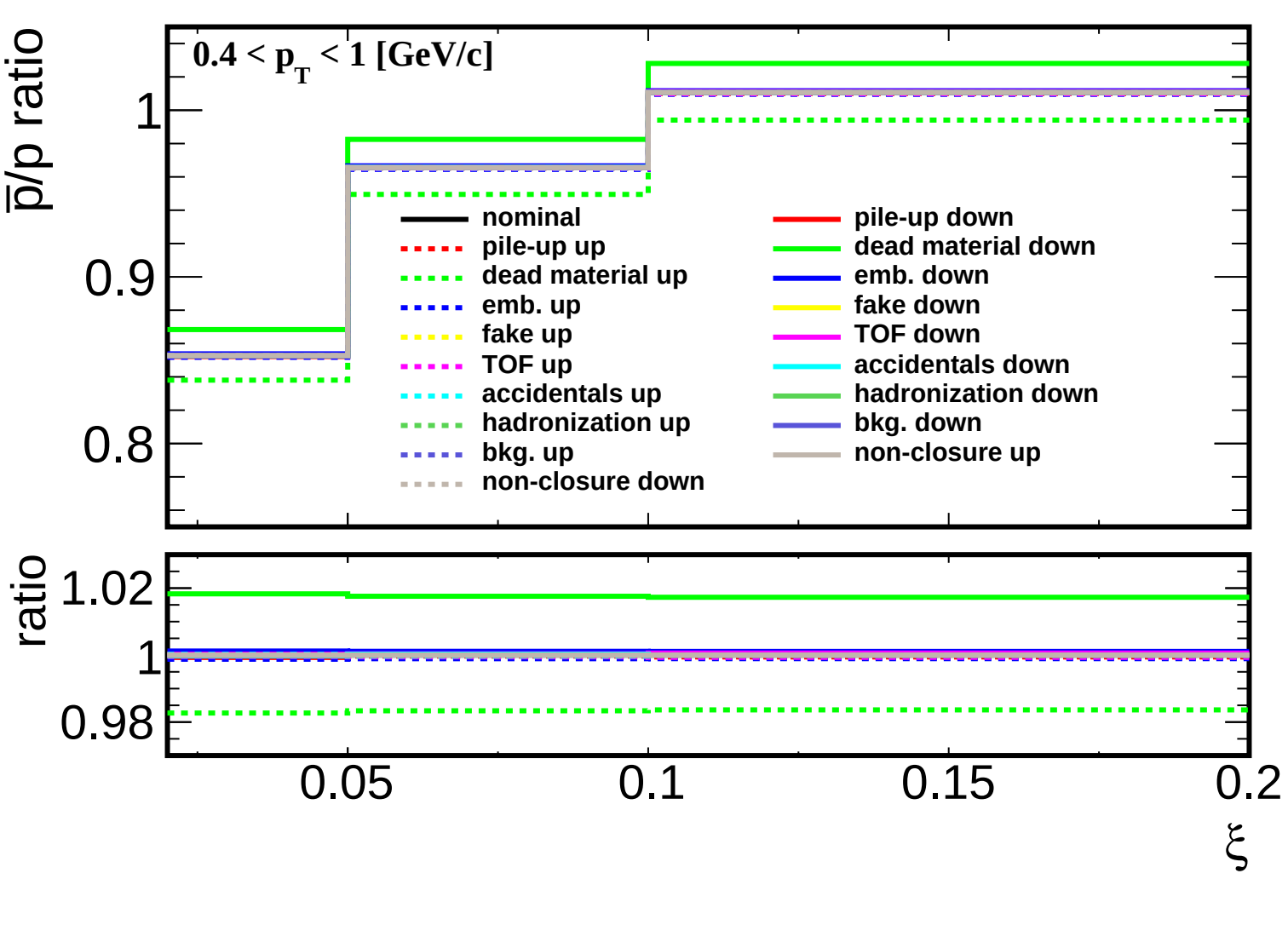

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.02 < ξ < 0.05, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
p̄/p ratio
data/MC
p_T [GeV/c]

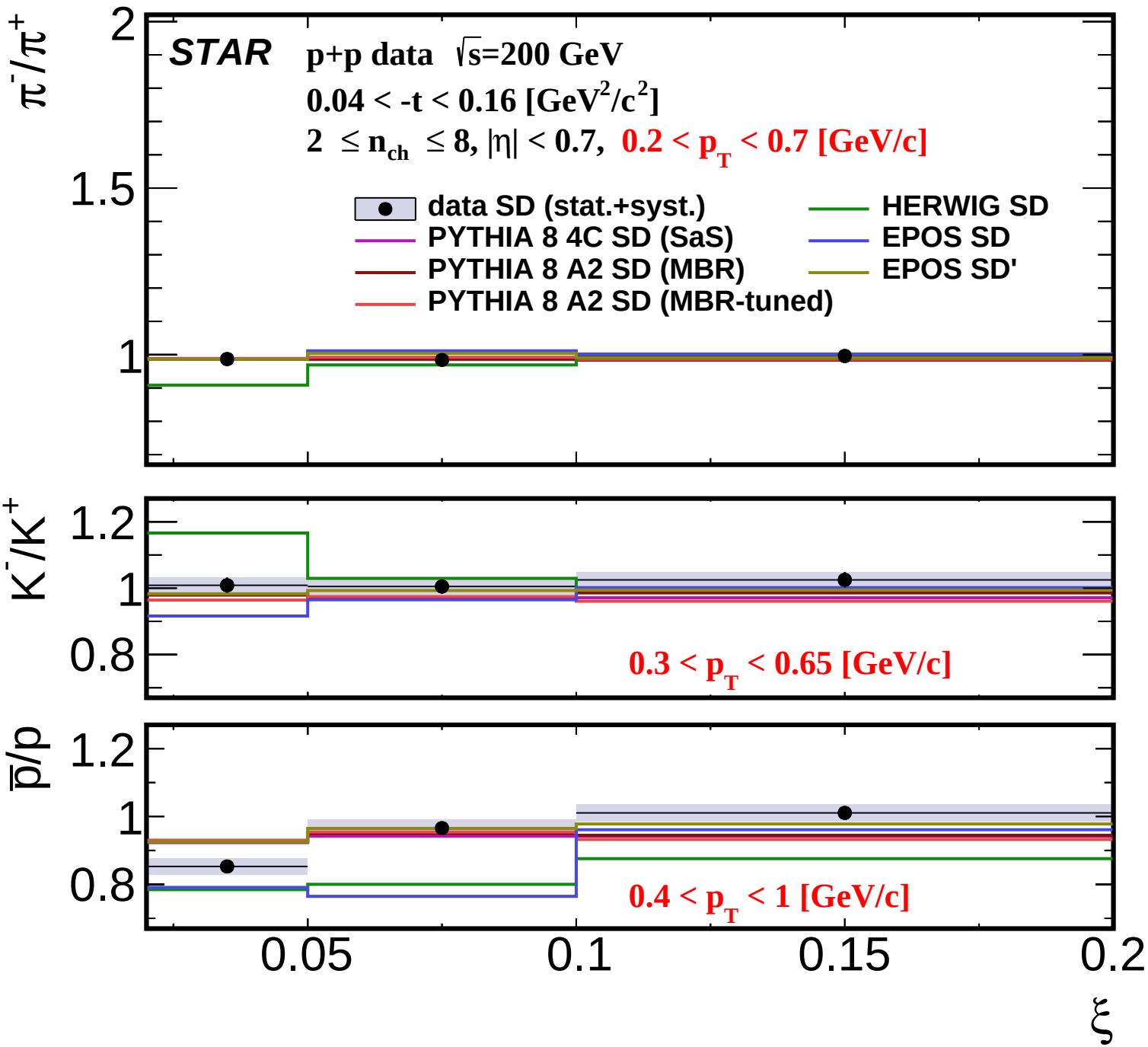

data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
STAR
p+p data √s=200 GeV
0.05 ≤ ξ < 0.1, 0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, p_T > 0.2 GeV/c, |η| < 0.7
p̄/p ratio
data/MC
p_T [GeV/c]


data SD (stat.+syst.)
HERWIG SD
EPOS SD
EPOS SD'
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 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
p̄/p ratio
data/MC
p_T [GeV/c]


0.2 < p_T < 0.7 [GeV/c]
π⁻/π⁺ ratio
1
0.9
0.8
nominal
pile-up up
dead material up
emb. up
fake up
TOF up
accidentals up
hadronization up
bkg. up
non-closure down
pile-up down
dead material down
emb. down
fake down
TOF down
accidentals down
hadronization down
bkg. down
non-closure up
ratio
1.02
1
0.98
0.05
0.1
0.15
0.2
ξ


0.3 < p_T < 0.65 [GeV/c]
K⁻/K⁺ ratio
nominal
pile-up up
dead material up
emb. up
fake up
TOF up
accidentals up
hadronization up
bkg. up
non-closure down
pile-up down
dead material down
emb. down
fake down
TOF down
accidentals down
hadronization down
bkg. down
non-closure up
ratio
1.02
1
0.98
1
0.9
0.8
0.05
0.1
0.15
0.2
ξ


$\bar{p}/p$ ratio
$0.4 < p_T < 1$ [GeV/c]
nominal
pile-up up
dead material up
emb. up
fake up
TOF up
accidentals up
hadronization up
bkg. up
non-closure down
pile-up down
dead material down
emb. down
fake down
TOF down
accidentals down
hadronization down
bkg. down
non-closure up
ratio
1.02
1
0.98
0.9
0.8
0.05
0.1
0.15
0.2
ξ


STAR
p+p data √s=200 GeV
0.04 < -t < 0.16 [GeV²/c²]
2 ≤ n_ch ≤ 8, |η| < 0.7, 0.2 < p_T < 0.7 [GeV/c]
data SD (stat.+syst.)
PYTHIA 8 4C SD (SaS)
PYTHIA 8 A2 SD (MBR)
PYTHIA 8 A2 SD (MBR-tuned)
HERWIG SD
EPOS SD
EPOS SD'
π⁻/π⁺
K⁻/K⁺
p̄/p
0.3 < p_T < 0.65 [GeV/c]
0.4 < p_T < 1 [GeV/c]
ξ