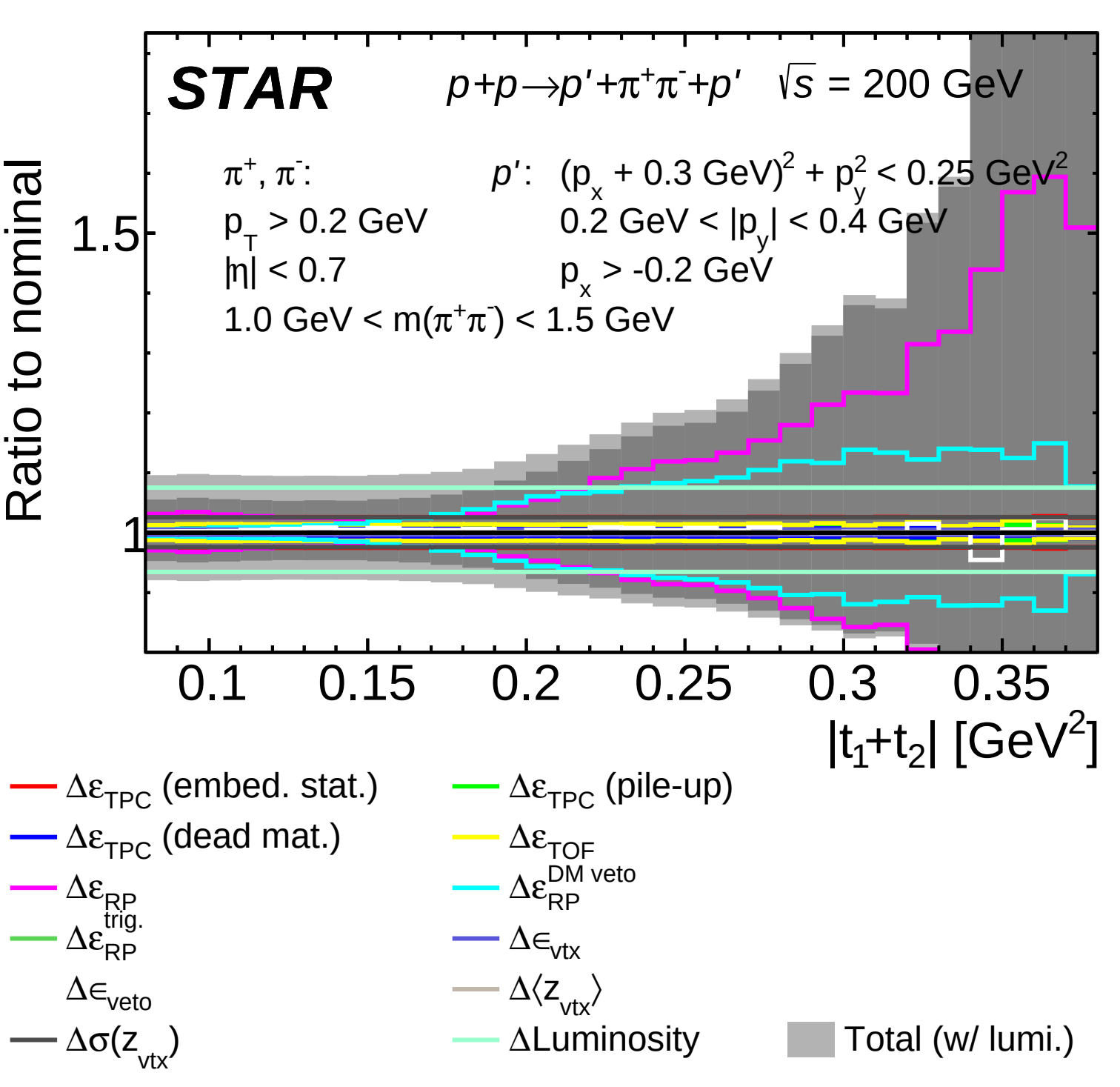
STAR
$p+p\rightarrow p'+\pi^+\pi^-+p'$ $\sqrt{s}$ = 200 GeV
π^+, π^-:
$p_T > 0.2$ GeV
$|\eta| < 0.7$
1.0 GeV < $m(\pi^+\pi^-)$ < 1.5 GeV
p': $(p_x + 0.3\ \text{GeV})^2 + p_y^2 < 0.25\ \text{GeV}^2$
0.2 GeV < $|p_y|$ < 0.4 GeV
$p_x > -0.2$ GeV
Ratio to nominal
1.5
1
0.1
0.15
0.2
0.25
0.3
0.35
$|t_1+t_2|$ [GeV^2]
$\Delta\varepsilon_{TPC}$ (embed. stat.)
$\Delta\varepsilon_{TPC}$ (dead mat.)
$\Delta\varepsilon_{RP}$
$\Delta\varepsilon_{RP}^{trig.}$
$\Delta\in_{veto}$
$\Delta\sigma(z_{vtx})$
$\Delta\varepsilon_{TPC}$ (pile-up)
$\Delta\varepsilon_{TOF}$
$\Delta\varepsilon_{RP}^{DM\ veto}$
$\Delta\in_{vtx}$
$\Delta\langle z_{vtx}\rangle$
ΔLuminosity
Total (w/ lumi.)