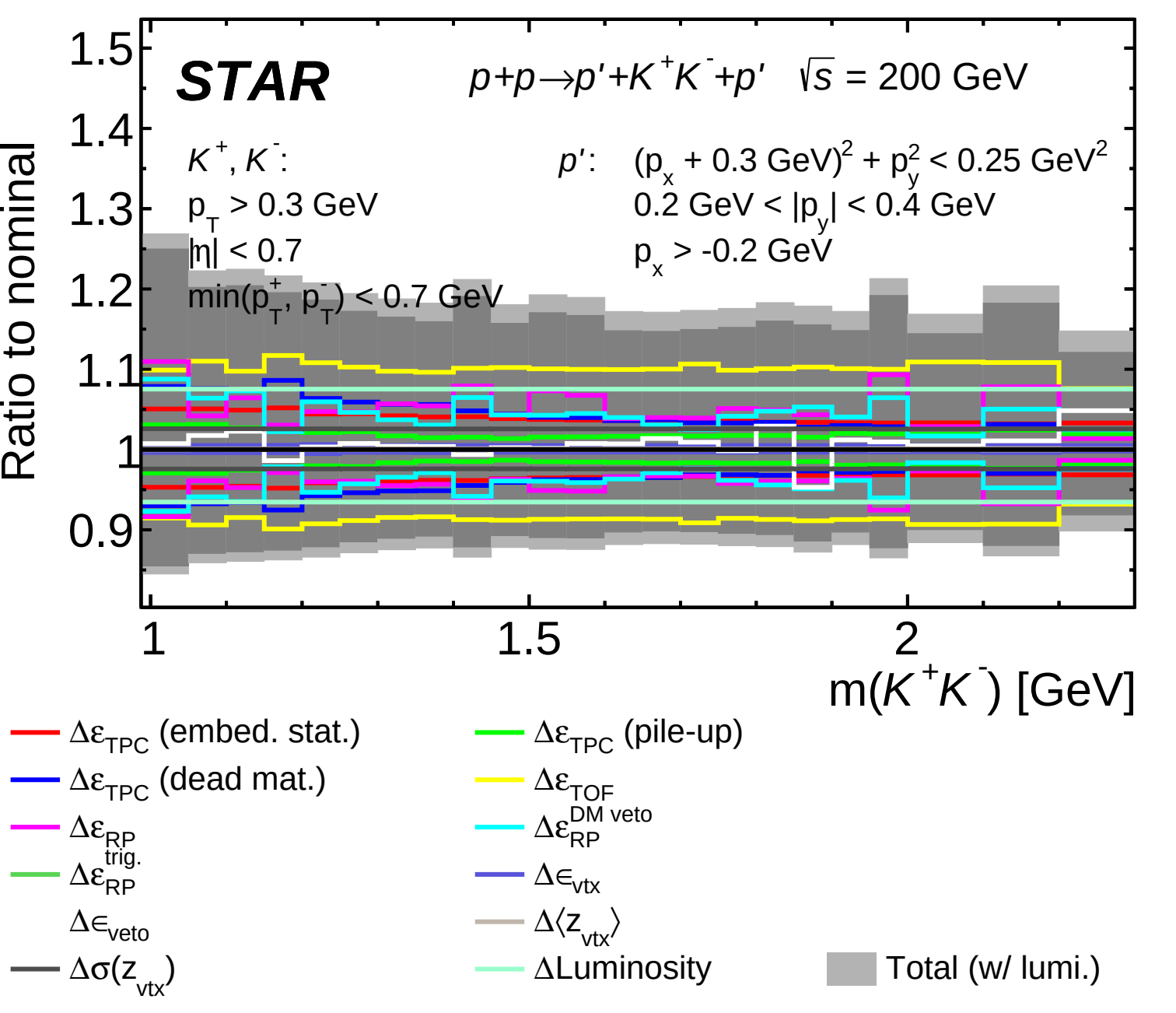
STAR
$p+p \to p'+K^+K^-+p'$ $\sqrt{s}$ = 200 GeV
K^+, K^-:
$p_T > 0.3$ GeV
$|\eta| < 0.7$
$\min(p_T^+, p_T^-) < 0.7$ GeV
p': $(p_x + 0.3\ \text{GeV})^2 + p_y^2 < 0.25\ \text{GeV}^2$
$0.2\ \text{GeV} < |p_y| < 0.4\ \text{GeV}$
$p_x > -0.2$ GeV
Ratio to nominal
1.5
1.4
1.3
1.2
1.1
1
0.9
1
1.5
2
m(K^+K^-) [GeV]
$\Delta\varepsilon_{TPC}$ (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.)