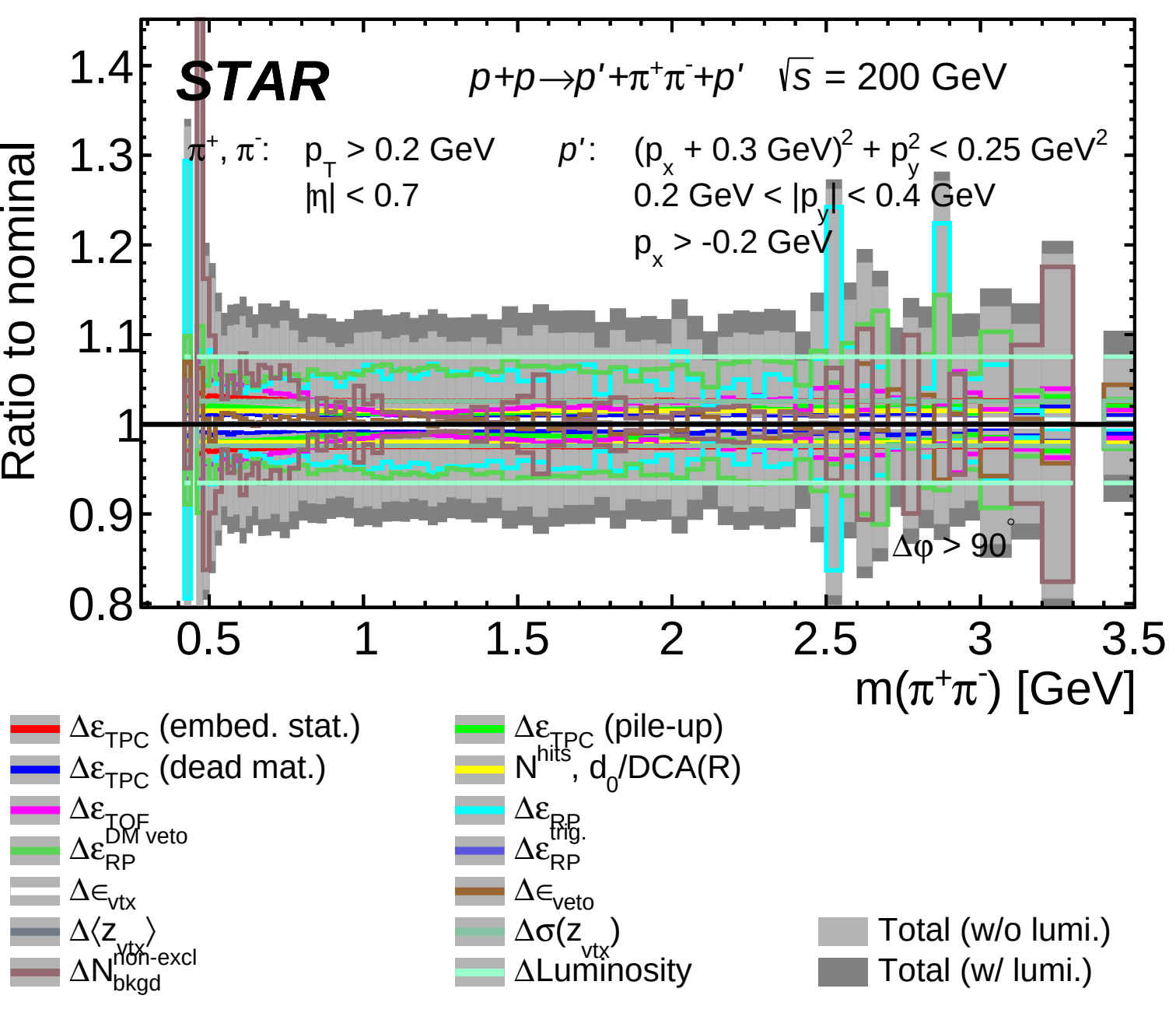
STAR
$p+p\rightarrow p'+\pi^+\pi^-+p'$ $\sqrt{s}$ = 200 GeV
π^+, π^-: $p_T > 0.2$ GeV
$|\eta| < 0.7$
p': $(p_x + 0.3\ \text{GeV})^2 + p_y^2 < 0.25\ \text{GeV}^2$
$0.2\ \text{GeV} < |p_y| < 0.4\ \text{GeV}$
$p_x > -0.2$ GeV
$\Delta\varphi > 90^\circ$
Ratio to nominal
$m(\pi^+\pi^-)$ [GeV]
1.4
1.3
1.2
1.1
1
0.9
0.8
0.5
1
1.5
2
2.5
3
3.5
$\Delta\varepsilon_{TPC}$ (embed. stat.)
$\Delta\varepsilon_{TPC}$ (dead mat.)
$\Delta\varepsilon_{TOF}$
$\Delta\varepsilon_{RP}^{DM\ veto}$
$\Delta\in_{vtx}$
$\Delta\langle z_{vtx}\rangle$
$\Delta N_{bkgd}^{non\text{-}excl}$
$\Delta\varepsilon_{TPC}$ (pile-up)
N^{hits}, d_0/DCA(R)
$\Delta\varepsilon_{RP}$
$\Delta\varepsilon_{RP}^{trig.}$
$\Delta\in_{veto}$
$\Delta\sigma(z_{vtx})$
ΔLuminosity
Total (w/o lumi.)
Total (w/ lumi.)