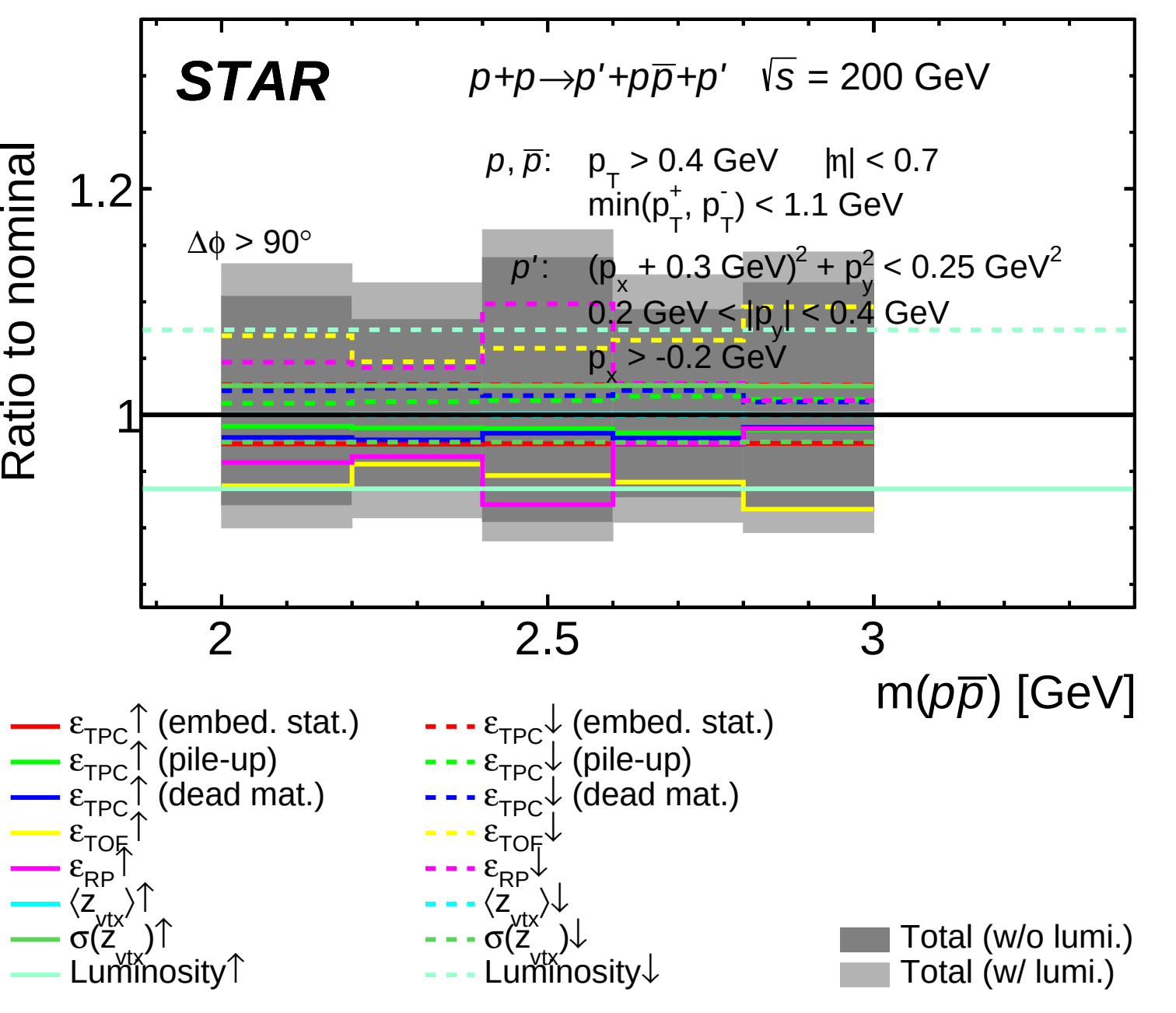
STAR
$p+p\to p'+p\bar{p}+p'$ $\sqrt{s}$ = 200 GeV
$p, \bar{p}$: p_T > 0.4 GeV $|\eta| < 0.7$
$\min(p_T^+, p_T^-) < 1.1$ GeV
$\Delta\phi > 90°$
p': $(p_x + 0.3\ \text{GeV})^2 + p_y^2 < 0.25\ \text{GeV}^2$
0.2 GeV < $|p_y|$ < 0.4 GeV
p_x > -0.2 GeV
Ratio to nominal
1.2
1
2
2.5
3
m($p\bar{p}$) [GeV]
$\varepsilon_{TPC}\uparrow$ (embed. stat.)
$\varepsilon_{TPC}\uparrow$ (pile-up)
$\varepsilon_{TPC}\uparrow$ (dead mat.)
$\varepsilon_{TOF}\uparrow$
$\varepsilon_{RP}\uparrow$
$\langle z_{vtx}\rangle\uparrow$
$\sigma(z_{vtx})\uparrow$
Luminosity$\uparrow$
$\varepsilon_{TPC}\downarrow$ (embed. stat.)
$\varepsilon_{TPC}\downarrow$ (pile-up)
$\varepsilon_{TPC}\downarrow$ (dead mat.)
$\varepsilon_{TOF}\downarrow$
$\varepsilon_{RP}\downarrow$
$\langle z_{vtx}\rangle\downarrow$
$\sigma(z_{vtx})\downarrow$
Luminosity$\downarrow$
Total (w/o lumi.)
Total (w/ lumi.)