



$\epsilon_{\text{TPC}} \uparrow$ (embed. stat.)
 $\epsilon_{\text{TPC}} \uparrow$ (pile-up)
 $\epsilon_{\text{TPC}} \uparrow$ (dead mat.)
 $\epsilon_{\text{TOF}} \uparrow$
 $\epsilon_{\text{RP}} \uparrow$
 $\langle z \rangle_{\text{vtx}} \uparrow$
 $\sigma(z_{\text{vtx}}) \uparrow$
 Luminosity \uparrow

$\epsilon_{\text{TPC}} \downarrow$ (embed. stat.)
 $\epsilon_{\text{TPC}} \downarrow$ (pile-up)
 $\epsilon_{\text{TPC}} \downarrow$ (dead mat.)
 $\epsilon_{\text{TOF}} \downarrow$
 $\epsilon_{\text{RP}} \downarrow$
 $\langle z \rangle_{\text{vtx}} \downarrow$
 $\sigma(z_{\text{vtx}}) \downarrow$
 Luminosity \downarrow

Total (w/o lumi.)
 Total (w/ lumi.)