Signal vs Background at $\sqrt{s} = 91 \text{ GeV}$ Num. of secondary vertices in max hem. 0.30 $B_s \rightarrow \tau^+ \tau^- (\tau \rightarrow 3\pi \nu_\tau)$ $B_s \rightarrow \tau^+ \tau^- (inclusive)$ $Z^0 \rightarrow b\bar{b}(bkg)$ 0.25 $Z^0 \rightarrow c\bar{c}(bkg)$ $Z^0 \rightarrow s\bar{s}(bkg)$ 0.20 Normalized events 0.15 $Z^0 \rightarrow u\bar{d}(bkg)$ 0.15 -0.10 0.05 0.00 Num. of secondary vertices in max hem.