

$\times 10^6$ **CMS** *Preliminary* $0.5 < \Delta_{2D} \text{ (cm)} < 1.5$ Fitted K_S^0 mass:
 $497.467 \pm 0.005 \text{ MeV}$

- Data
- Simulation
- ⋯ Background fit
- Total fit

Number of reconstructed vertices

0.2

0.15

0.1

0.05

0

0.44 0.46 0.48 0.5 0.52 0.54 0.56

 $m(\pi^+, \pi^-) \text{ (GeV)}$ 