

Candidates / 1 MeV/c²

CMS Preliminary
 $\sqrt{s} = 900 \text{ GeV}$ and 2360 GeV

Yield: 3334 ± 68

Mean: $1115.97 \pm 0.06 \text{ MeV}/c^2$

Core σ : $1.00 \pm 0.26 \text{ MeV}/c^2$

Tail σ : $3.25 \pm 0.14 \text{ MeV}/c^2$

Core fraction: 0.15 ± 0.05

PDG Λ^0 mass:

$1115.683 \pm 0.006 \text{ MeV}/c^2$

$p\pi^-$ (+ c.c.) invariant mass (MeV/c^2)

0 100 200 300 400 500

1080 1100 1120 1140 1160 1180

