



FIG. 1: $m(pK^-\pi^+)$ distribution with 472 pb^{-1} phase-2 prod5 data. Each charged tracks is required to have $|z_0| < 5 \text{ cm}$ and $|d_0| < 0.5 \text{ cm}$. The global pid is required to be greater than 0.5 for all the daughters. Vertex fit is applied. The center of mass momentum of Λ_c^+ is required to be greater than $2.5 \text{ GeV}/c$ to improve signal to noise ratio. The mean and σ of Gaussian are $2284.5 \pm 0.4 \text{ MeV}/c^2$ and $4.3 \pm 0.4 \text{ MeV}/c^2$, respectively. Obtained yield is 326 ± 31 . Detailed selection criteria is described in the internal note BELLE2-NOTE-PH-2018-033.