



Figure 1: This figure shows the invariant mass distribution of  $J/\psi \rightarrow e^+e^-$  candidates in  $472 \text{ pb}^{-1}$  of collision data. Events are required to contain at least three good tracks to purify the sample with processes of the type  $e^+e^- \rightarrow \text{hadrons}$ , while rejecting beam induced background, Bhabha scattering, and other low multiplicity background sources. The  $e^+$  and  $e^-$  candidates are tracks required to have impact parameters,  $|d0|$  and  $|z0| < 0.5 \text{ cm}$  and  $3.0 \text{ cm}$  respectively.  $E_{ECL}/p \geq 0.9$  is applied to both  $e^+$  and  $e^-$ . Bremsstrahlung photons with  $E_\gamma < 1.0 \text{ GeV}$  are added to  $e^+$  and  $e^-$  tracks in a cone  $< 5^\circ$ . The  $J/\psi$  candidates are searched in,  $0.4 \leq p_{J/\psi}^* \leq 2 \text{ GeV}$ . The internal document reference is BELLE2-NOTE-PH-2018-014.