



BELLE2-NOTE-PL-2019-019
DRAFT Version 1.0
August 1, 2019

**(To Be) Approved plot of $\pi^0 \rightarrow \gamma\gamma$ and $\eta \rightarrow \gamma\gamma$ in Early Phase 3
Belle II data**

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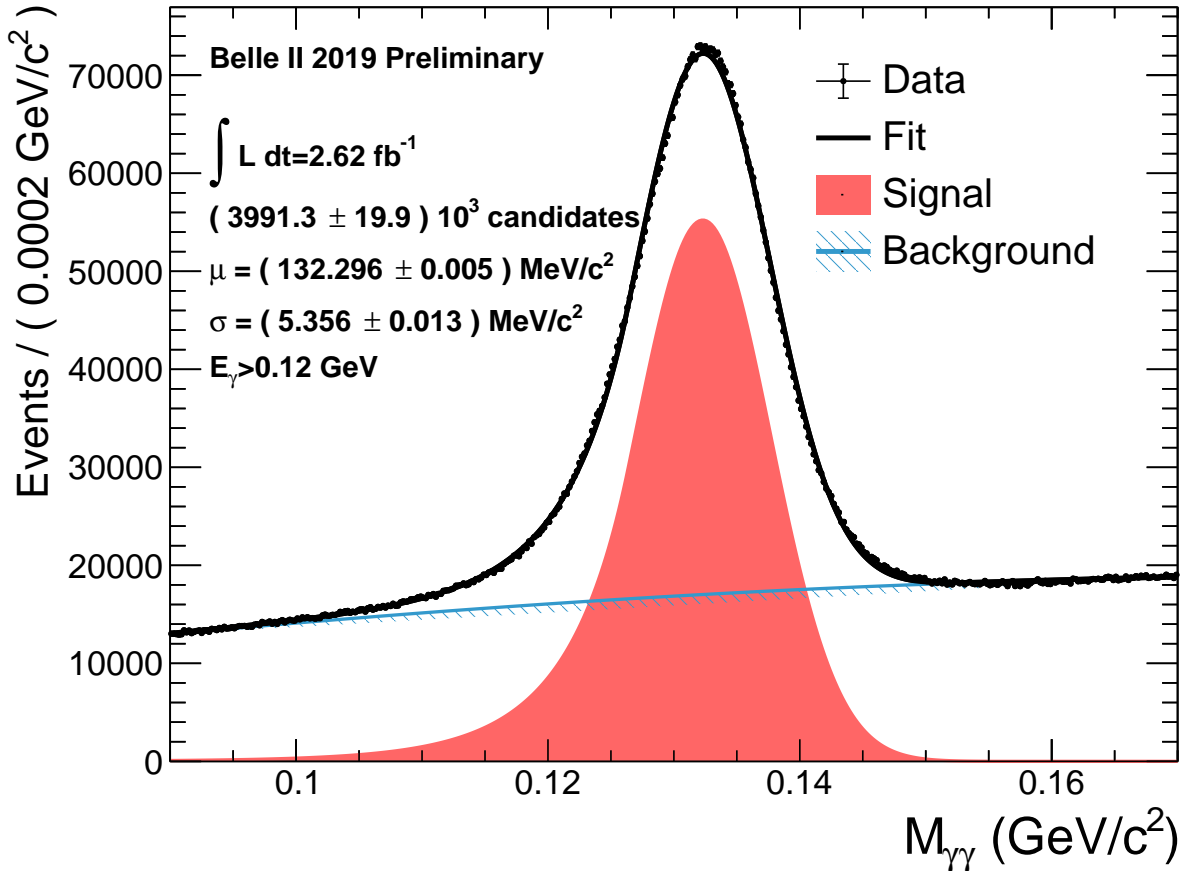


FIG. 1: Invariant mass of $\gamma\gamma$ for data phase III. The functions superimposed are the result of a binned ML fit to the data using as signal a Crystal Ball plus a Gauss (with the same mean) and a first order polynomial for background. A clear peak for the decay $\pi^0 \rightarrow \gamma\gamma$ is visible. Data corresponds to an integrated luminosity of 2.62 fb^{-1} (proc9 hadron skim). The selection criteria are $E_{\gamma} > 120 \text{ MeV}$, $E_9/E_{21} > 0.9$, $N_{hits} > 1.5$.

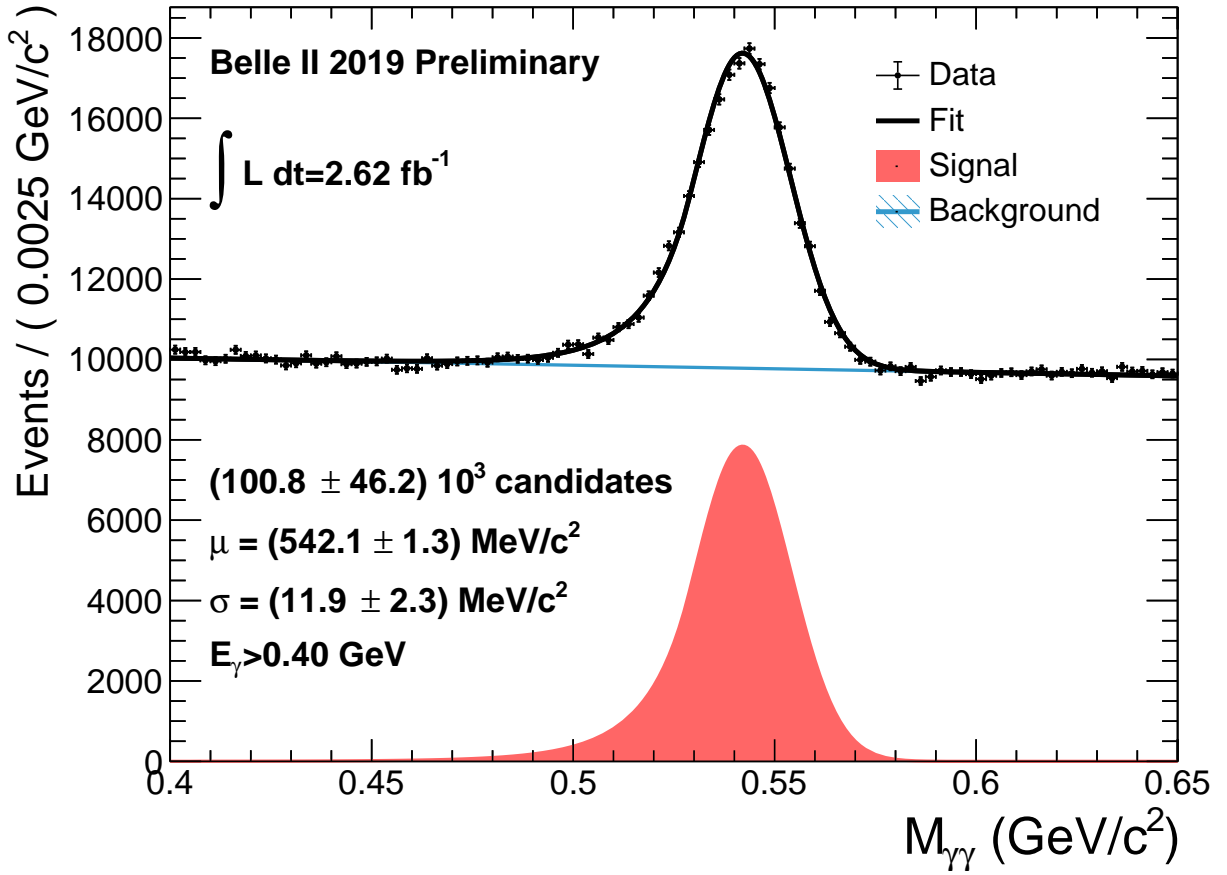


FIG. 2: Invariant mass of $\gamma\gamma$ for data phase III with a Crystal Ball plus first order polynomial fit. A clear peak for the decay $\eta \rightarrow \gamma\gamma$ is visible. Data corresponds to an integrated luminosity of 2.62 fb^{-1} (prod9 hadron skim). Selection criteria used are $E_\gamma > 400 \text{ MeV}$, $E_9/E_{21} > 0.9$, $N_{hits} > 1.5$.