

A new possible resonance at Belle

2017. 02. 15

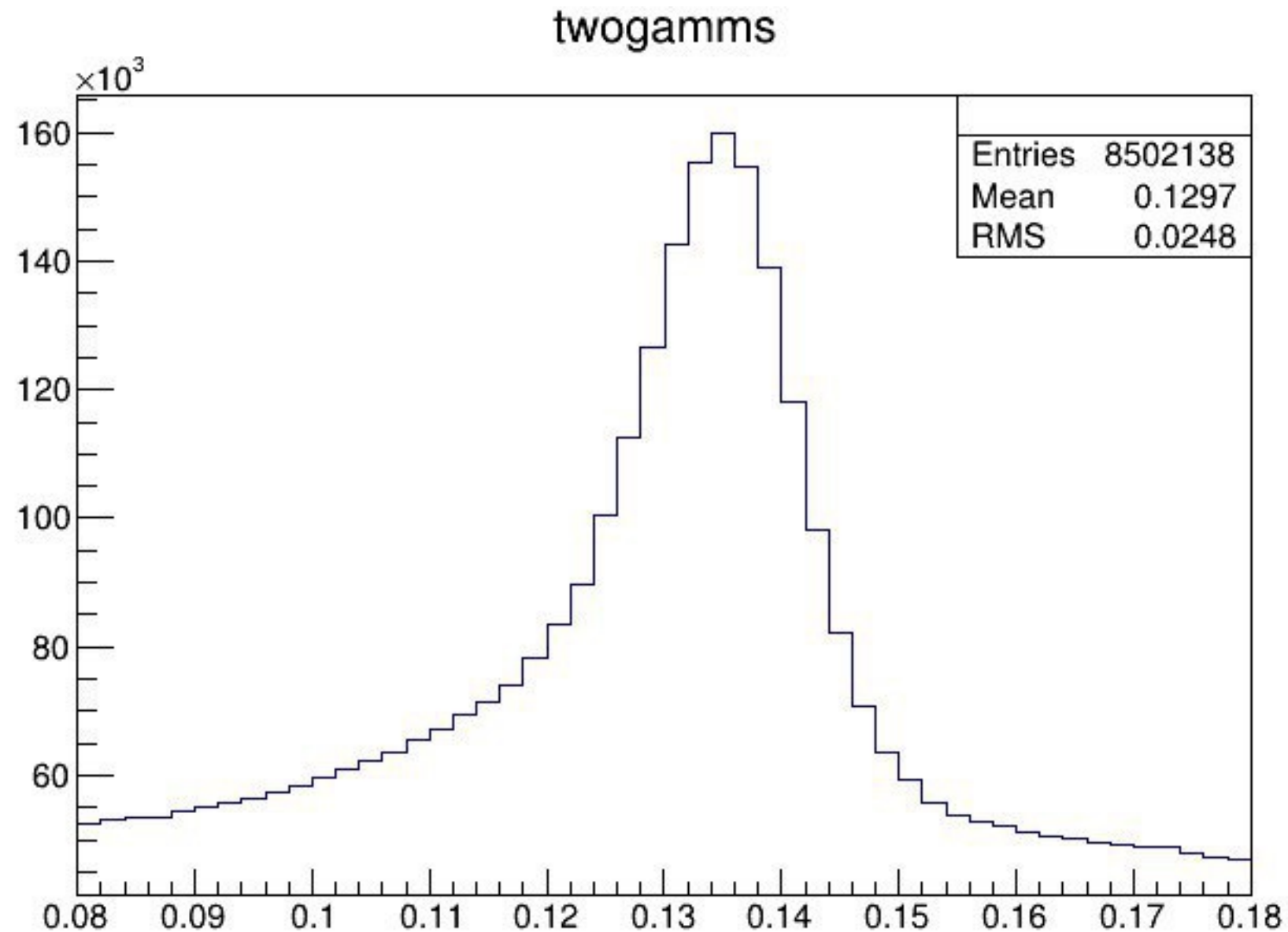
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Analysis Progress

Still Working on neutral particle (especially η reconstruction) analysis at Belle

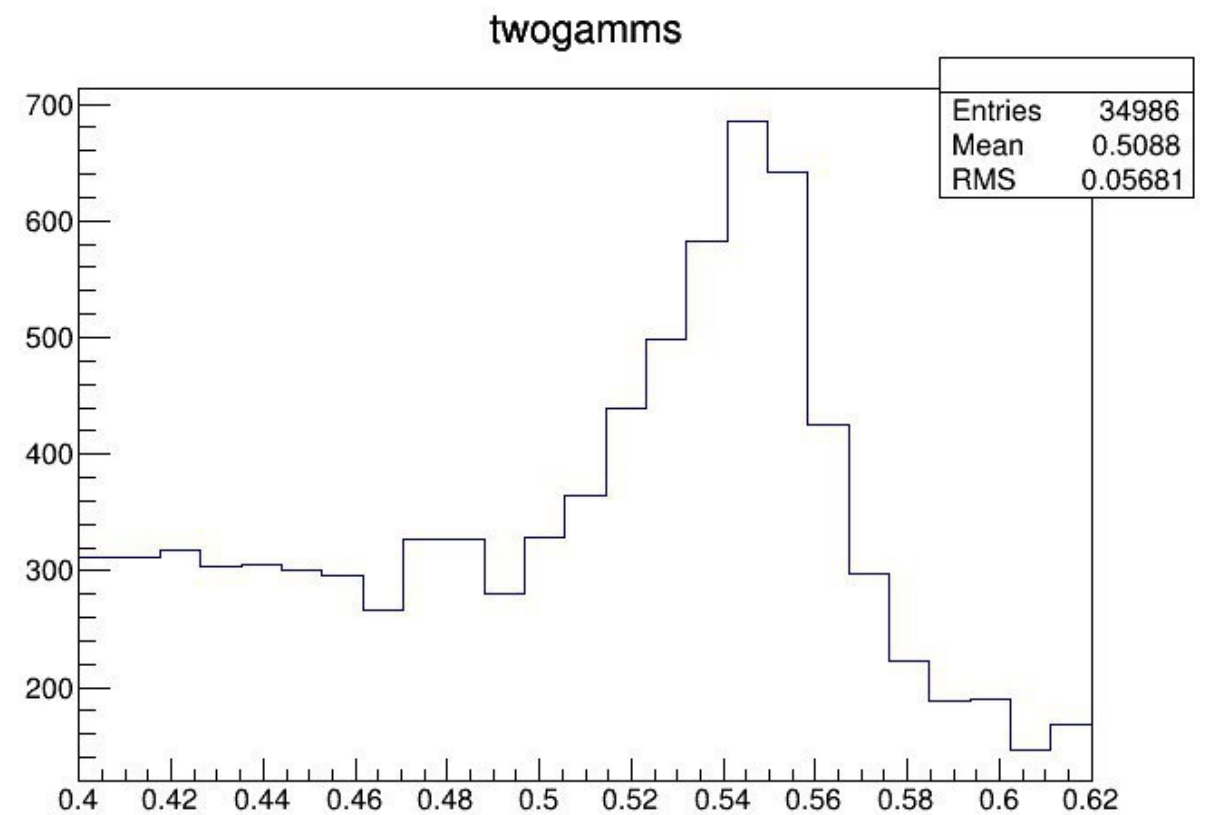
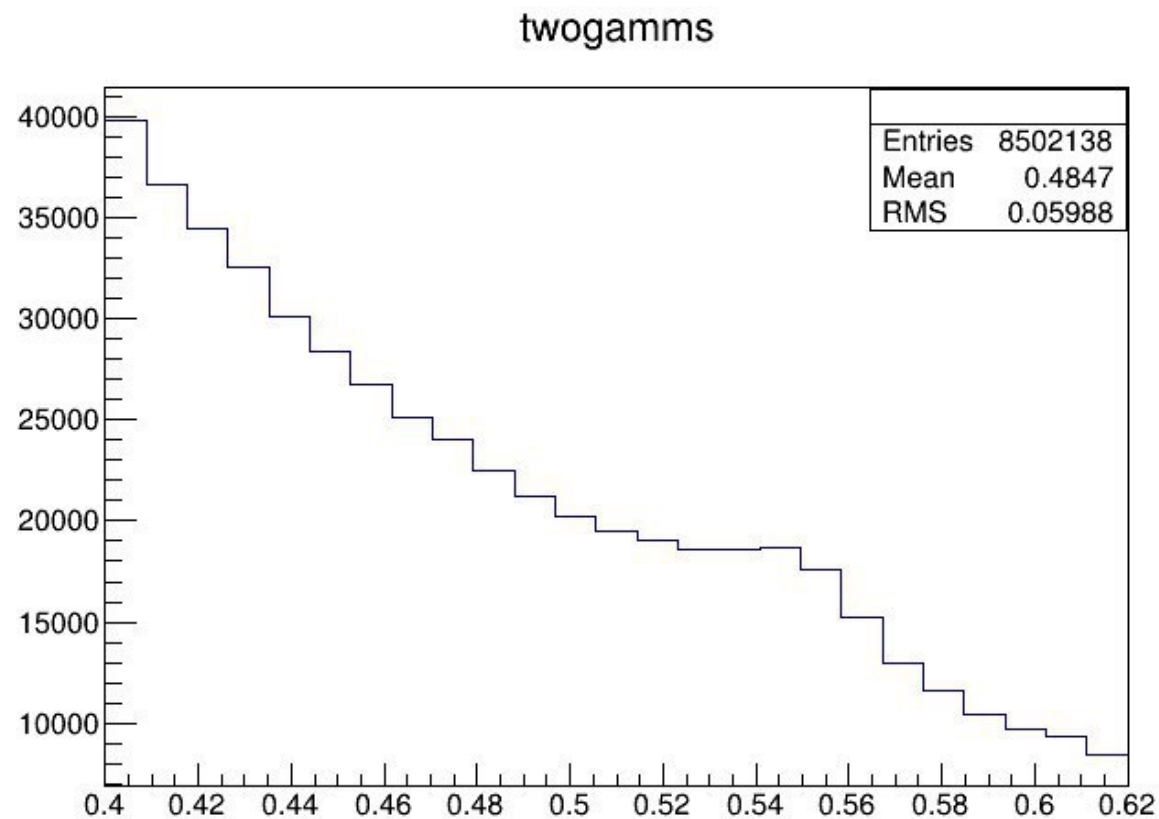
- π^0 and Eta reconstruction (very beginning)

Pi0 reconstruction



Cut: single gamma E in endcap region > 100 MeV, in Barrel region > 50 MeV
Data: exp73 whole data set

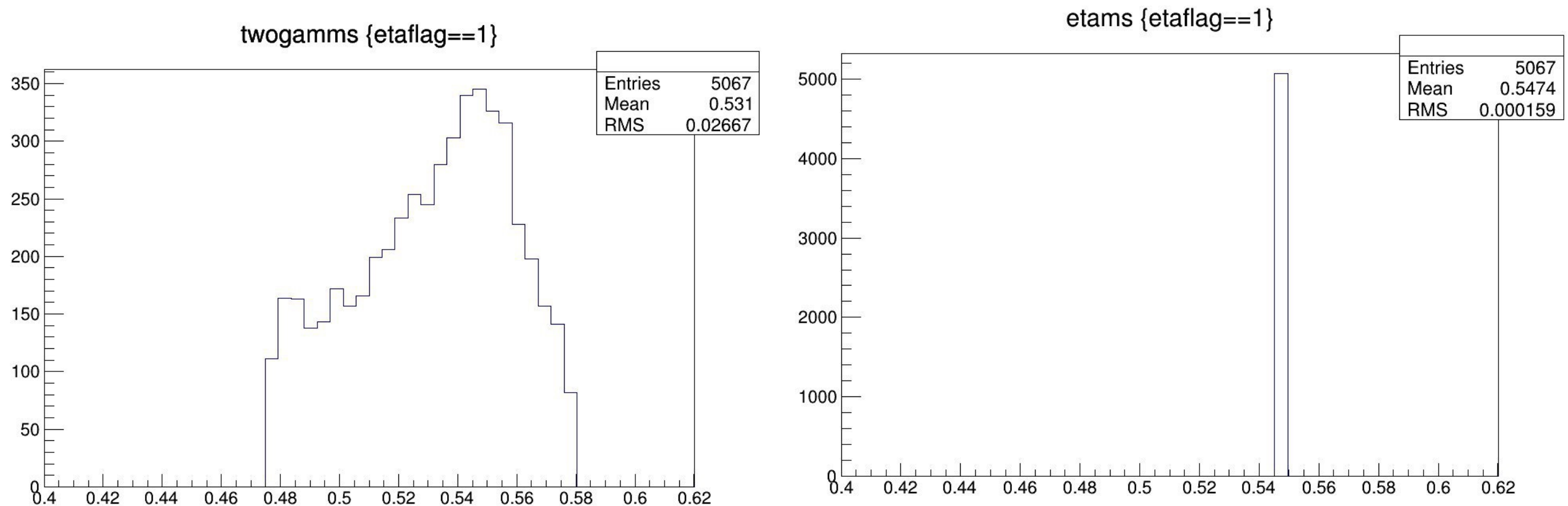
Eta reconstruction



Cut: single gamma E in endcap region > 100 MeV, in Barrel region > 50 MeV, w and w/o π^0 veto

Data: exp73 whole data set

Eta reconstruction with mass constraint fit



Cut: single gamma E in endcap region > 100 MeV, in Barrel region > 50 MeV, w and w/o pi0 veto, Mass constraint fit mass range (475, 579 MeV)

Data: exp73 whole data set

Analysis Plan

- Lambdac (η Λ π^+ channel)
Reconstruction