

JEF $\eta \rightarrow \pi^0 \gamma \gamma$ with GlueX-II
($\eta \rightarrow \pi^0 \gamma \gamma$ with FCAL[2])

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for the GlueX Collaboration

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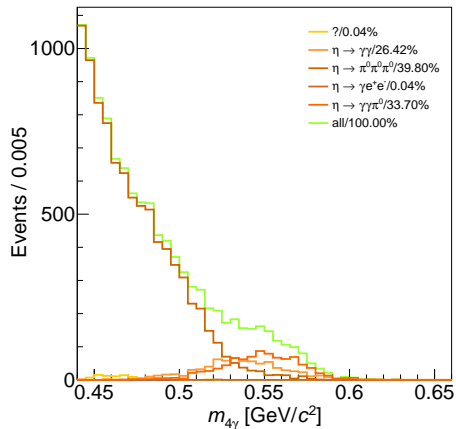


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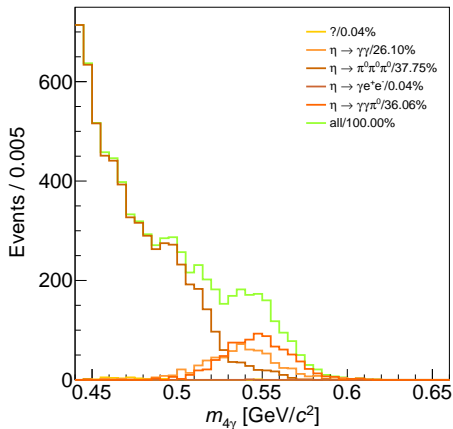
Old vs. new Island Algorithm (IA)

With measured P4

● Old IA



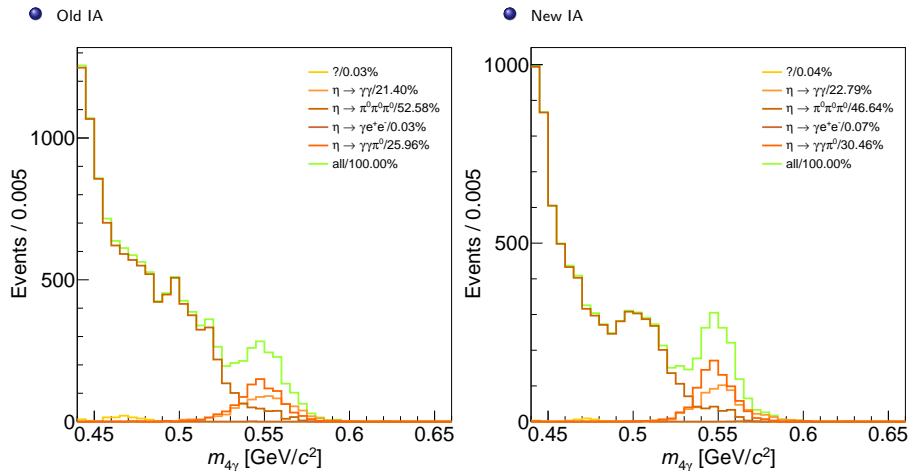
● New IA



Slight changes in the mass of interest

Old vs. new Island Algorithm (IA)

With fitted P4

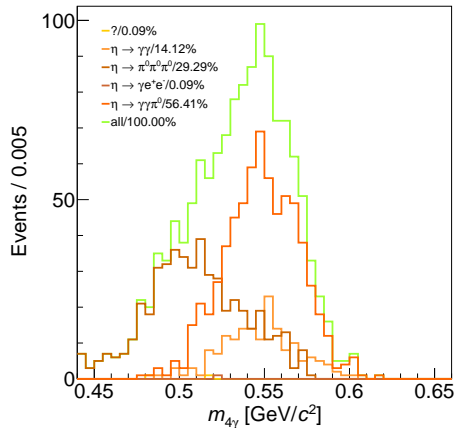


Slightly more pronounced changes in the mass of interest

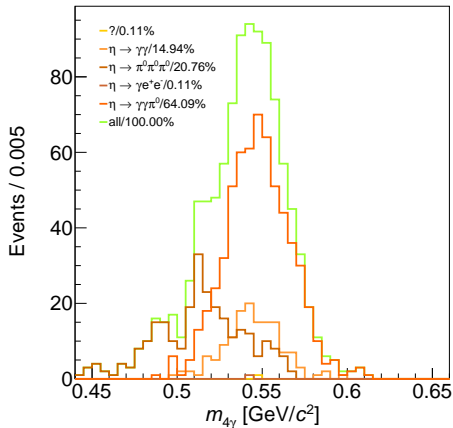
Old vs. new Island Algorithm (IA)

With measured P4 and BDT applied

● Old IA



● New IA

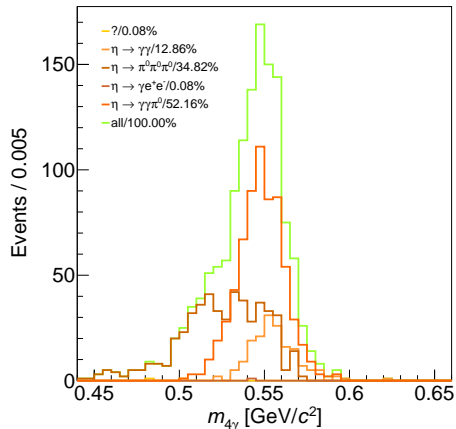


Slight changes in the mass of interest

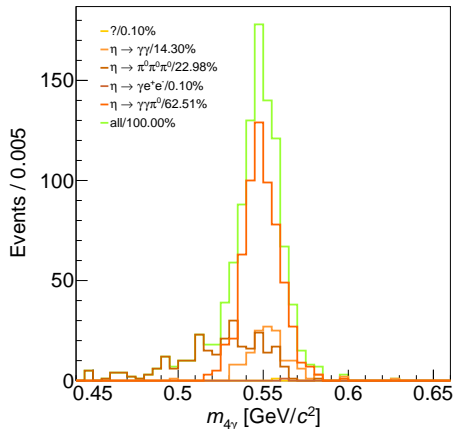
Old vs. new Island Algorithm (IA)

With fitted P4 and BDT applied

● Old IA



● New IA



Slightly more pronounced changes in the mass of interest