

Polarization Overlaps using the Reaction

$$\gamma p \rightarrow p \pi^+ \pi^-$$

Volker Credé

Florida State University
Tallahassee, FL

g8b Meeting

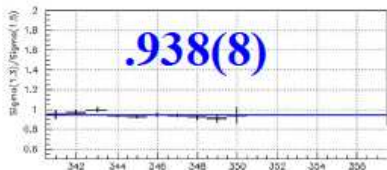
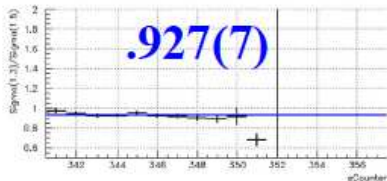
November 2, 2011

Study of Overlap Regions using $\gamma p \rightarrow p \pi^+ \pi^-$

A word of caution: The $\pi^+ \pi^-$ channel has usually good statistics.

→ Statistics used for the comparisons is cut out in regular analysis.

200 MeV E_{cut}



Consistent with Mike's studies:

- Events with ($E_{\text{cut}} = 200 \text{ MeV}$)

$$E_{\gamma} < (\text{eventEdge} - E_{\text{cut}})$$

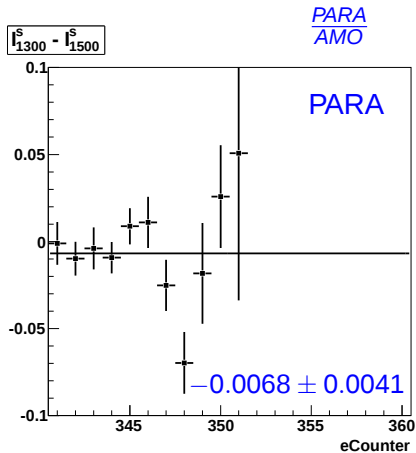
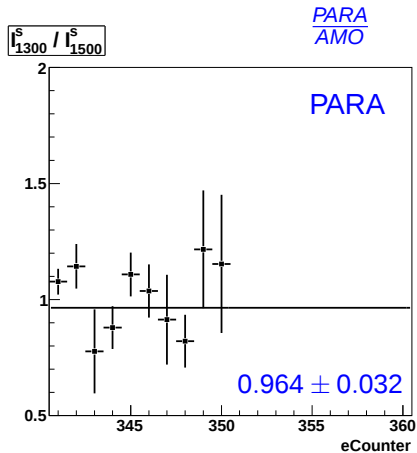
removed from analysis.

- x-axis is *eCounter*.
- I have not studied any other *Ecut* values.
- I have not studied any of the 1700 and 1900 AUTO files.

Study of Overlap Regions using $\gamma p \rightarrow p \pi^+ \pi^-$

1.3 / 1.5

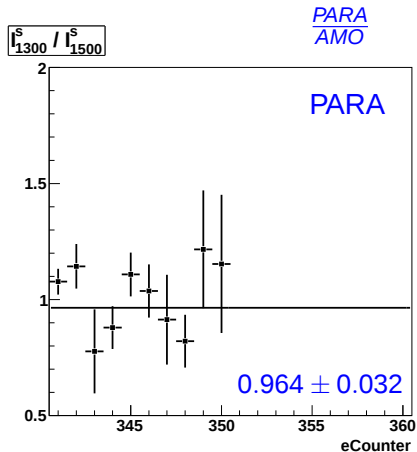
$$I = I_0 (1 + \delta_I (\sin 2\beta \cdot I^S + \cos 2\beta \cdot \Sigma))$$



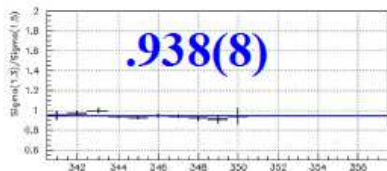
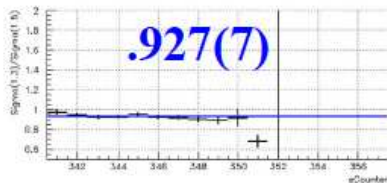
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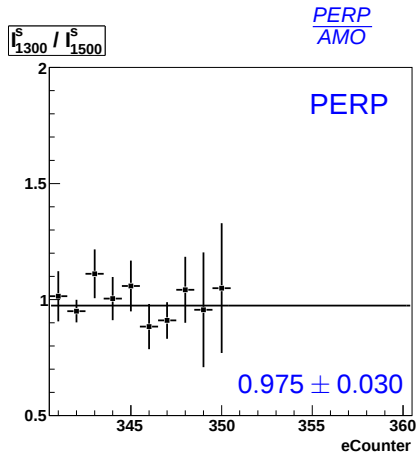
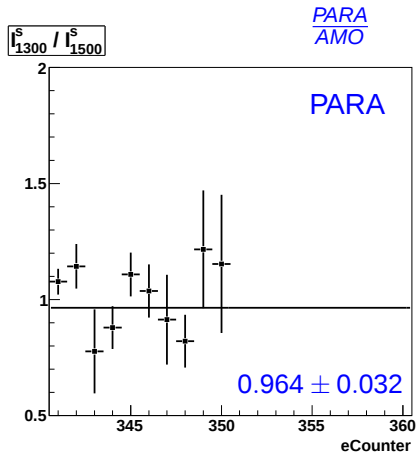
200 MeV Ecut



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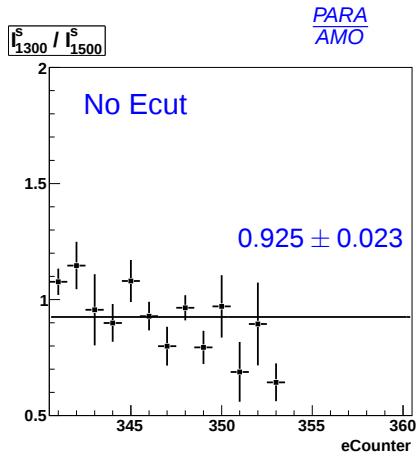
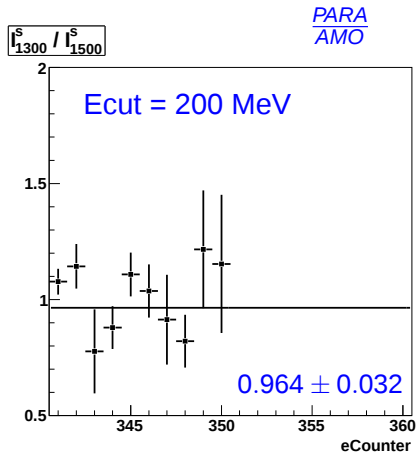
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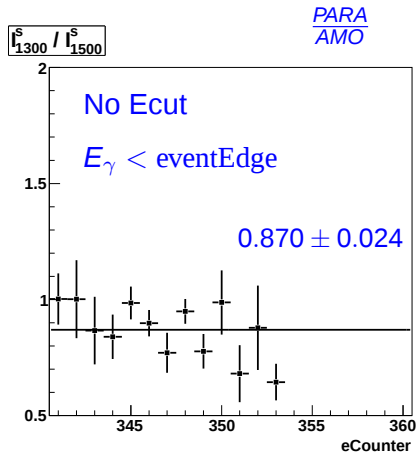
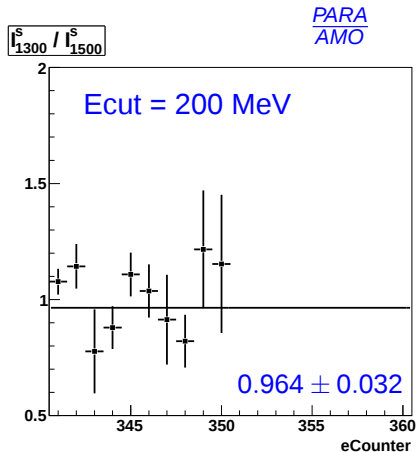
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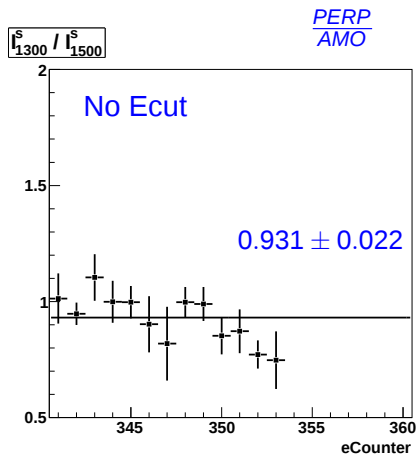
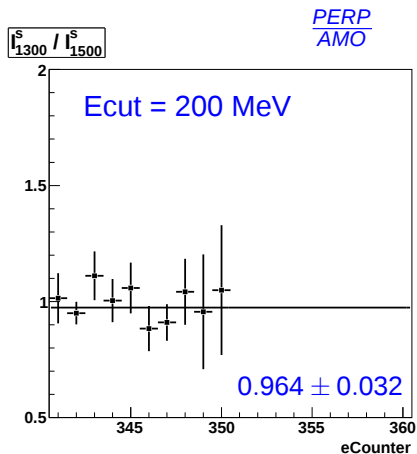
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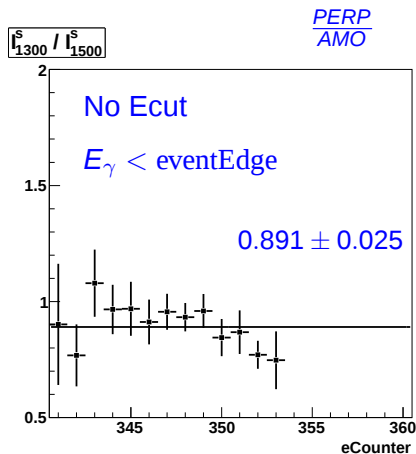
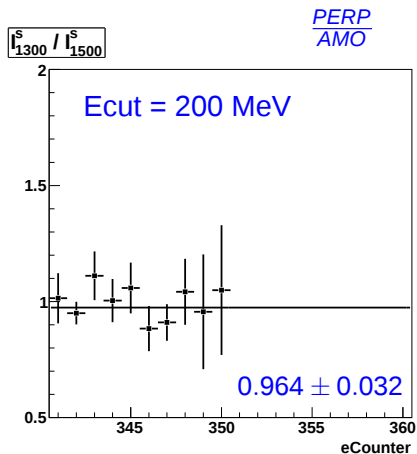
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Study of Overlap Regions using $\gamma p \rightarrow p \pi^+ \pi^-$ *

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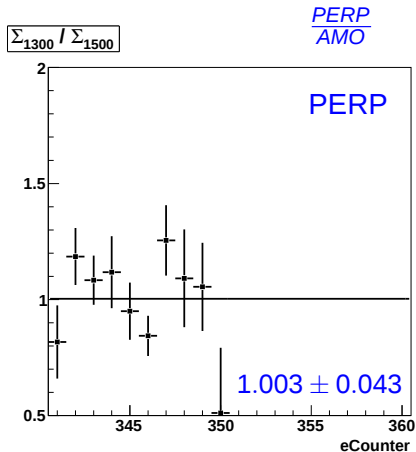
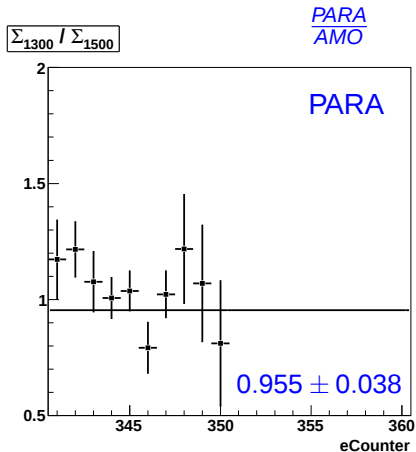
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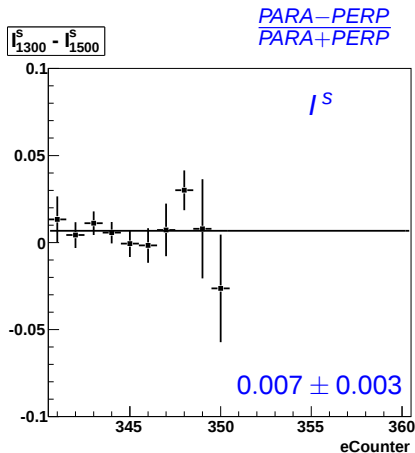
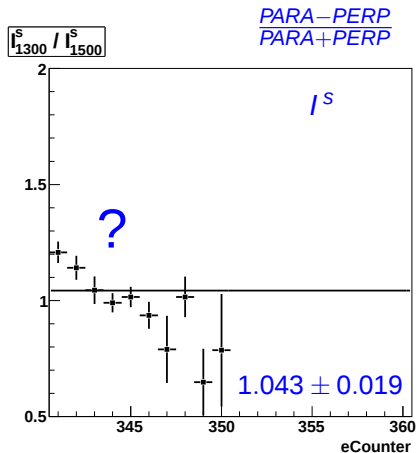
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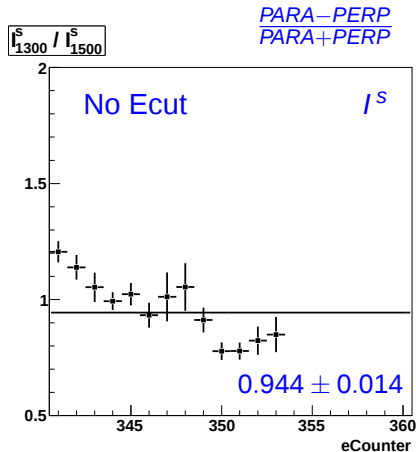
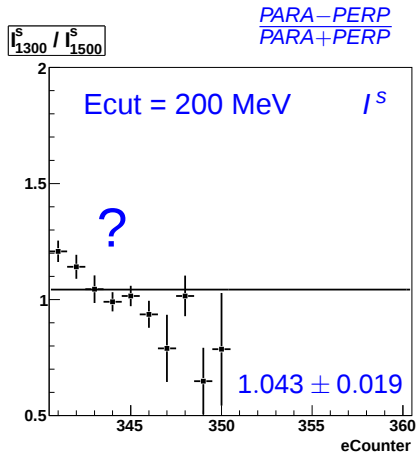
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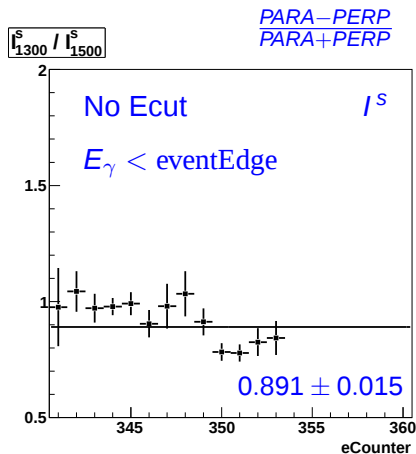
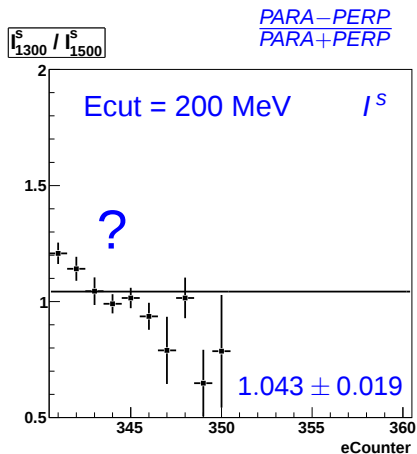
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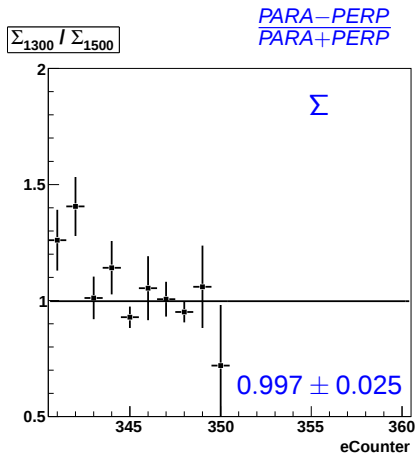
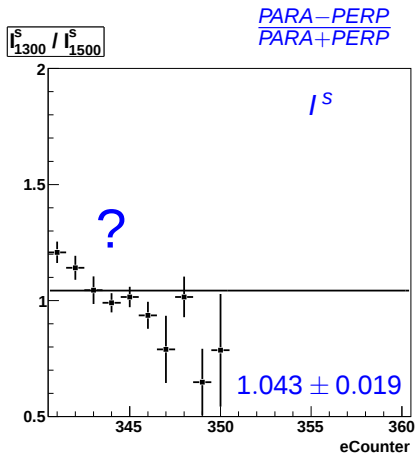
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Study of Overlap Regions using $\gamma p \rightarrow p \pi^+ \pi^-$

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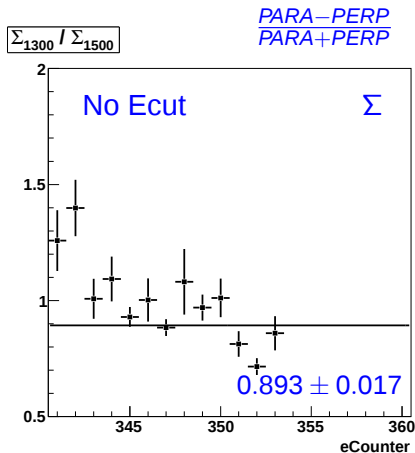
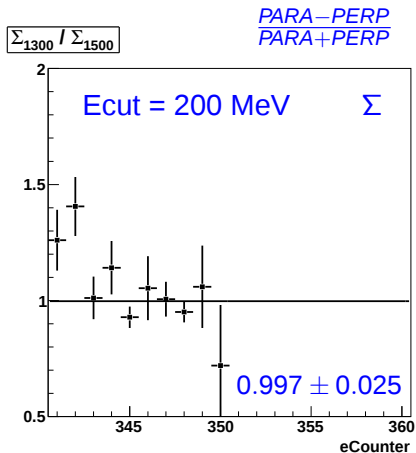
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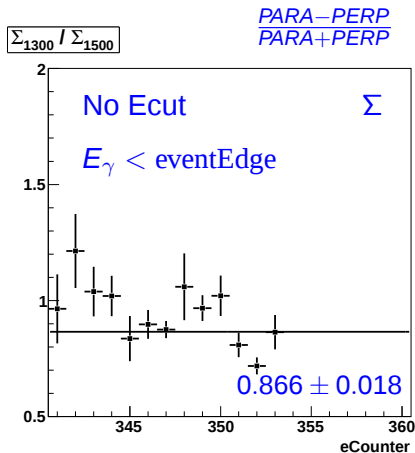
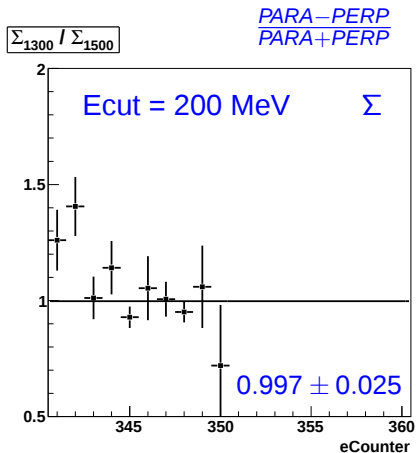
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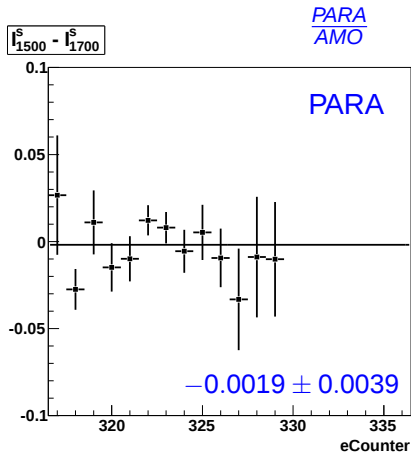
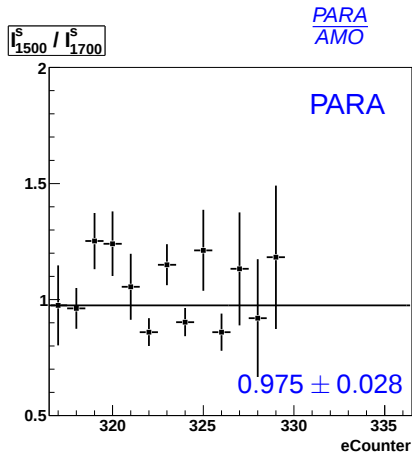
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Study of Overlap Regions using $\gamma p \rightarrow p \pi^+ \pi^-$

1.5 / 1.7

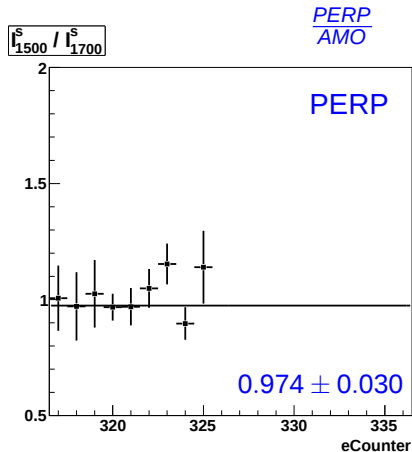
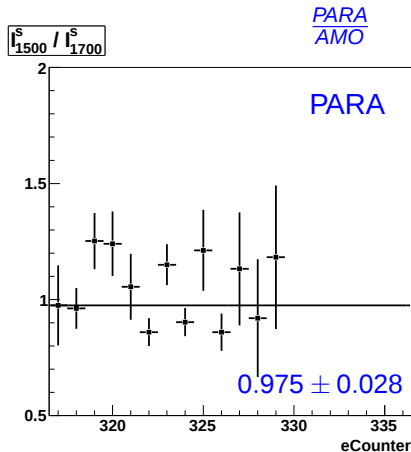
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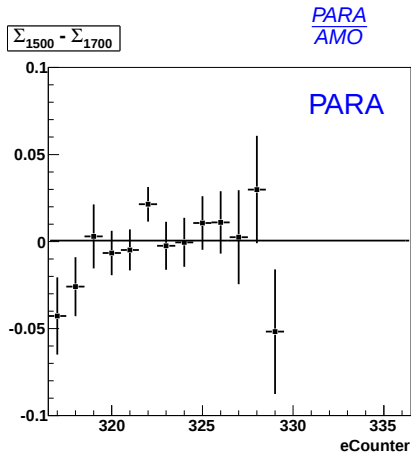
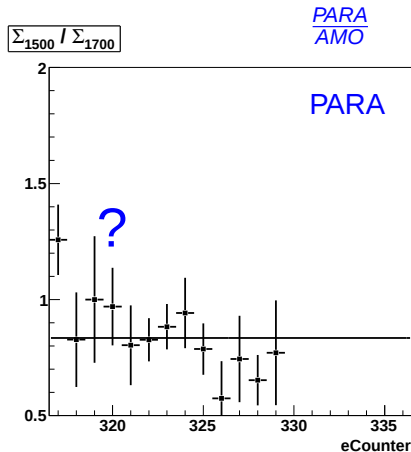
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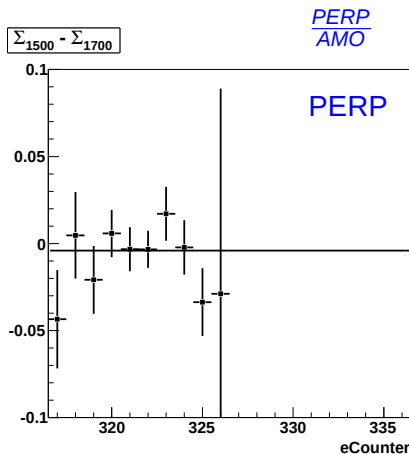
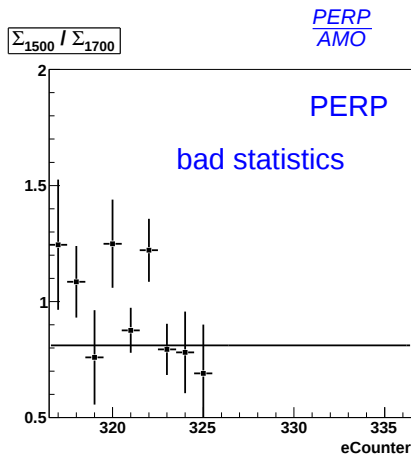
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