

KaonLT Analysis Update

(Heep Coin Analysis)
(Out of Plane offset)

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Preview

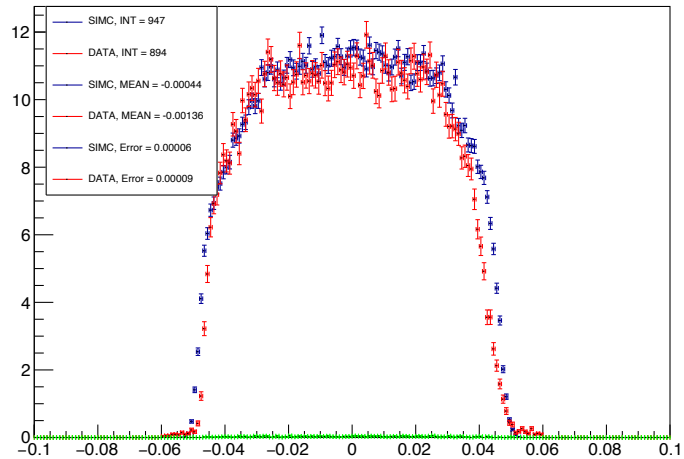
- BPM calibrations are now fixed.
 - Using Dave's new numbers for both fall and spring data.
- Raster had correct sigb but a really small W dependence.
 - Garth suggested to leave it for now.
- Looking at out of plane offset.
 - Using method from Tanja's thesis (Fig. 3.11)

Kaon-LT Heep Coin Data

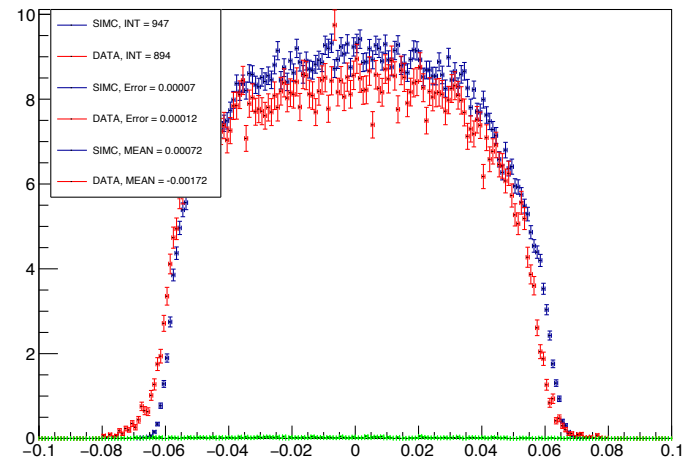
- 3.8 GeV
 - HMS P = 2.03 GeV
 - SHMS P = 2.58 GeV
- 4.9 GeV
 - HMS P = 3.12 GeV
 - SHMS P = 2.58 GeV
- 6.2 GeV
 - HMS P = 3.57 GeV
 - SHMS P = 3.48 GeV
- 8.2 GeV
 - HMS P = 4.67 GeV
 - SHMS P = 4.37 GeV
- 10.6 GeV
 - HMS P = 6.59 GeV
 - SHMS P = 4.84 GeV

Xptar (3.8 GeV)

SHMS xptar

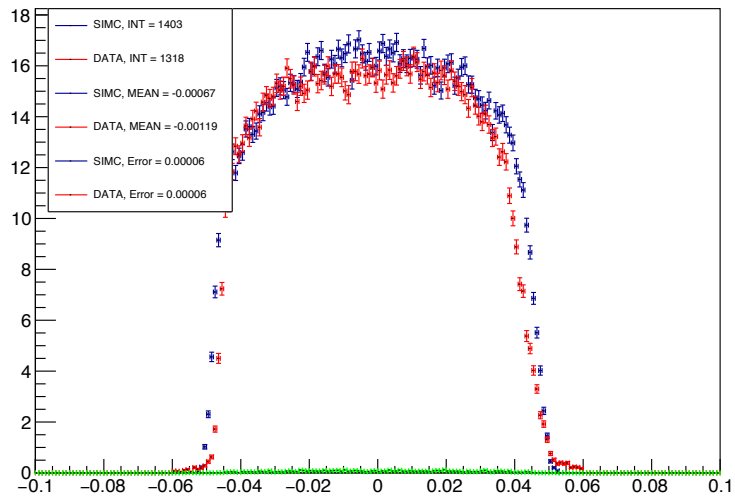


HMS xptar

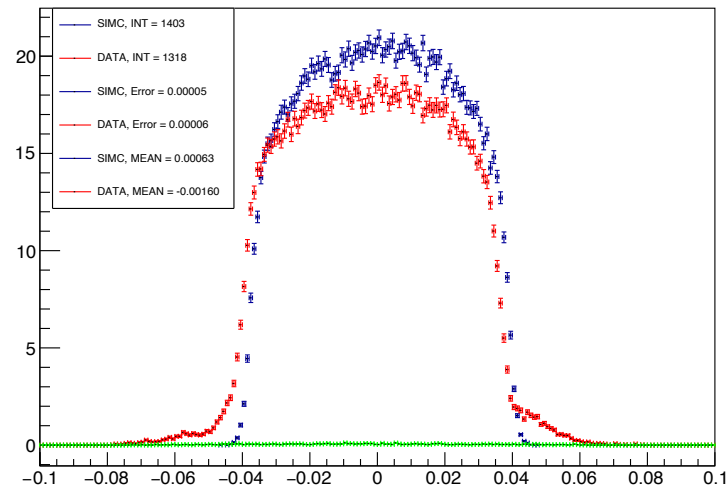


Xptar (4.9 GeV)

SHMS xptar

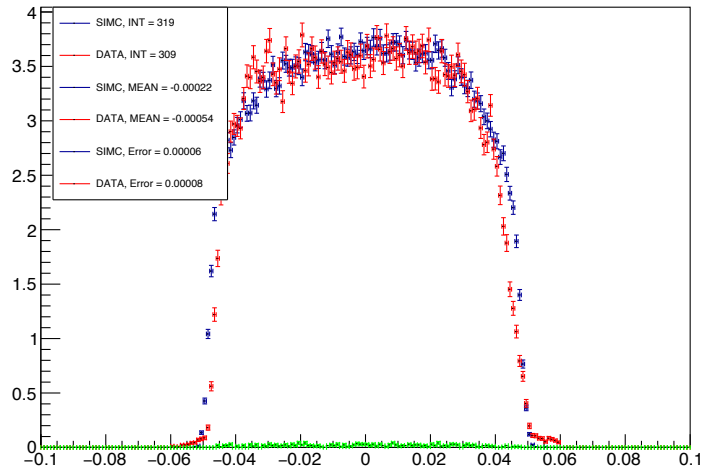


HMS xptar

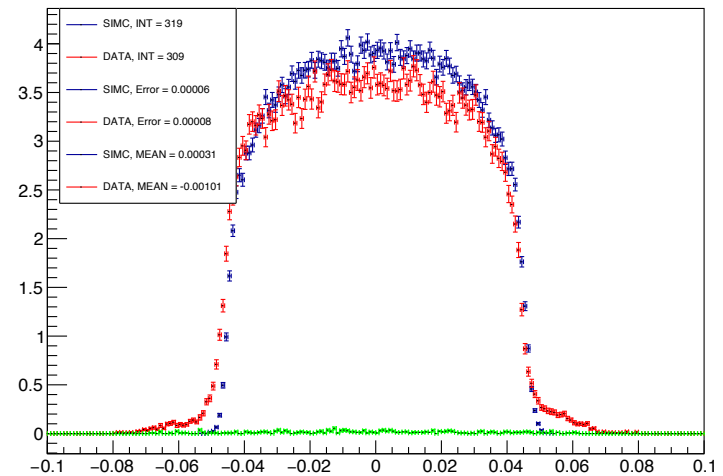


Xptar (6.2 GeV)

SHMS xptar

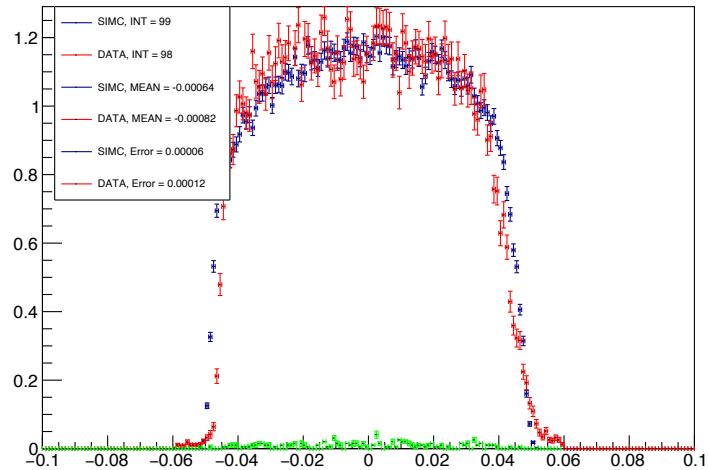


HMS xptar

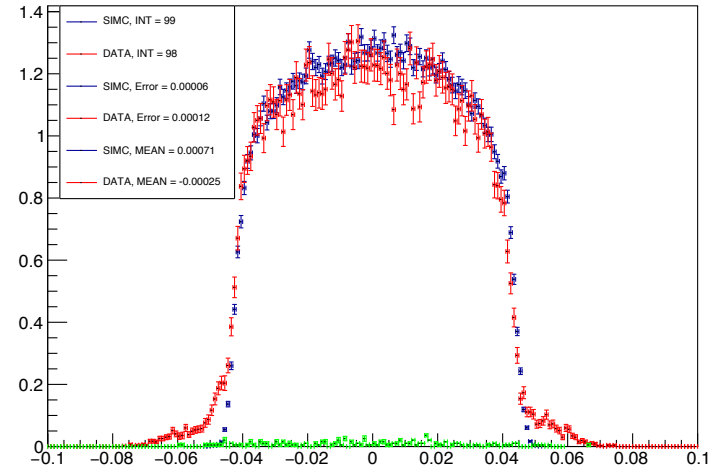


Xptar (8.2 GeV)

SHMS xptar

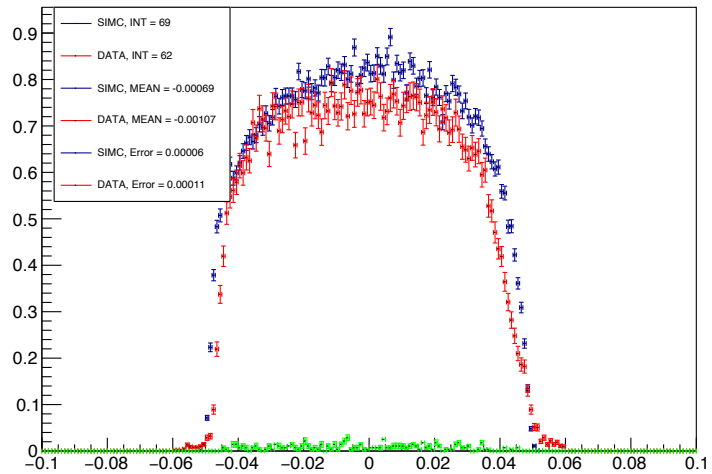


HMS xptar

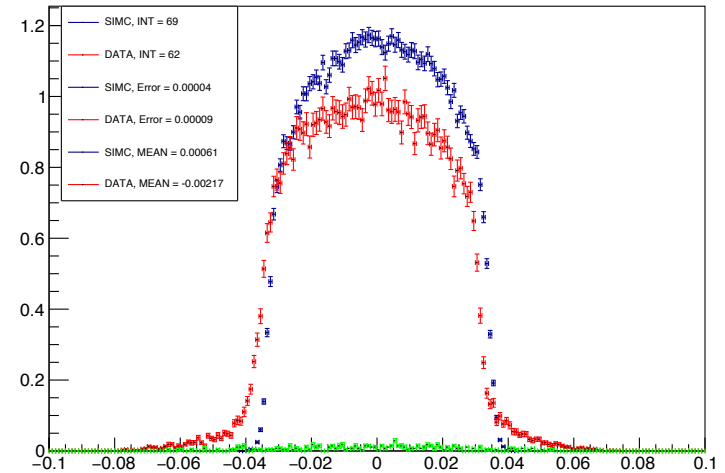


Xptar (10.6 GeV)

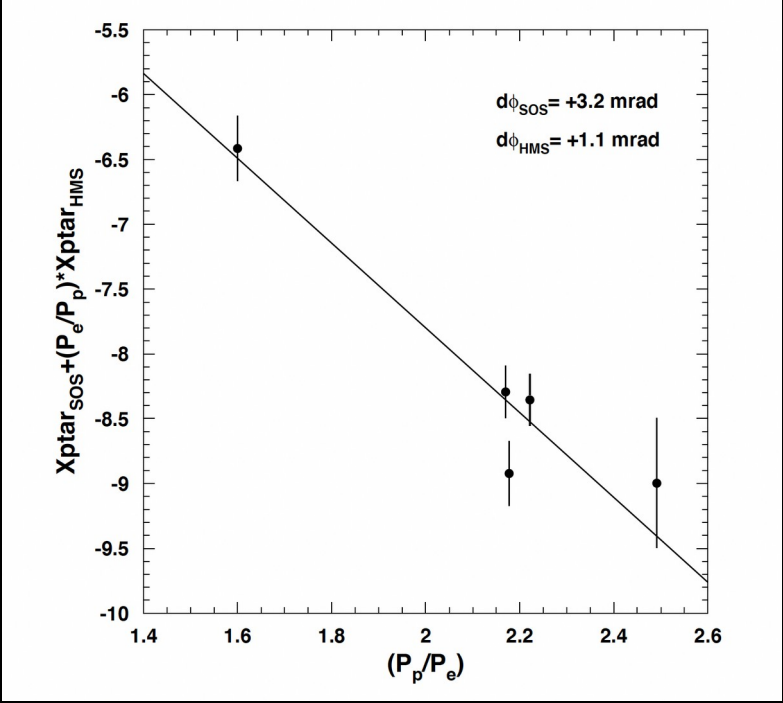
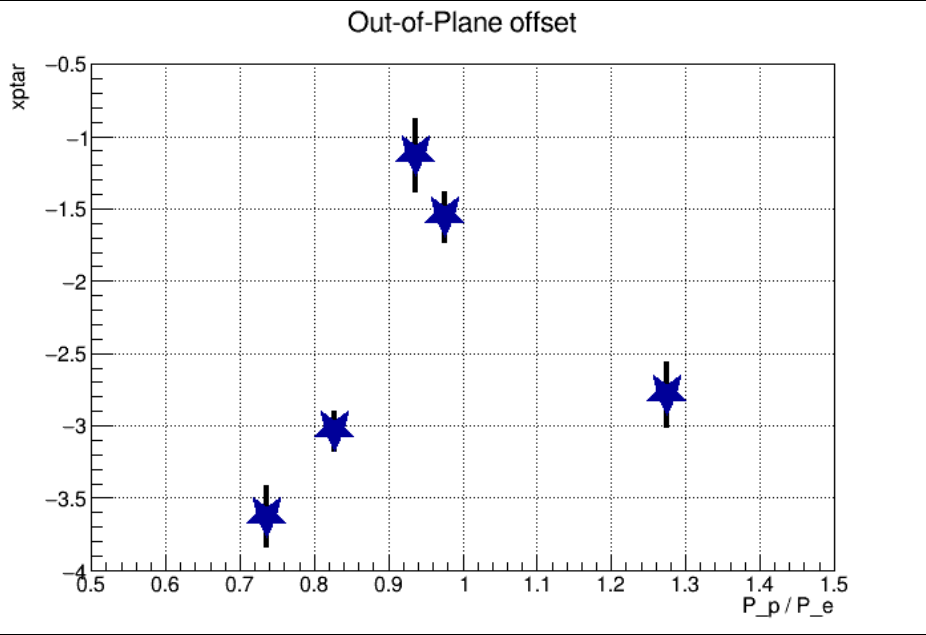
SHMS xptar



HMS xptar



Out-of-Plane Offset



Summary

- The plot doesn't have linear trend.
 - Even after removing one setting (HMS in saturation)
- Can't move to other offset without finalizing this out-of-plane offset.
- Any suggestions are welcome.