

KaonLT Analysis Update

(Heep Coin Analysis)
(Raster and BPM)

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May 11, 2023

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Preview

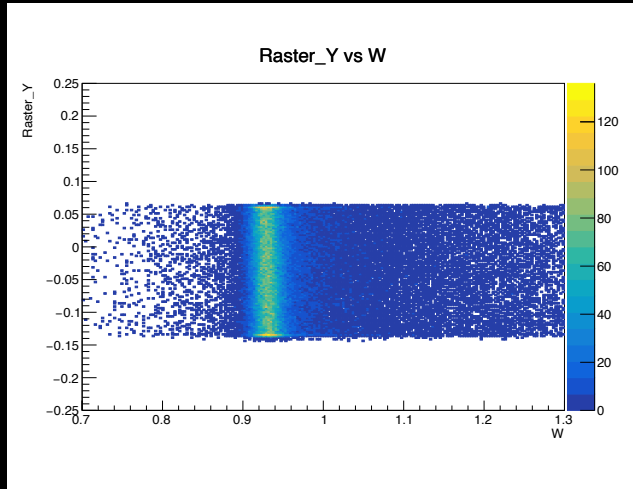
- Dave suggested to look at raster sign.
 - Tested reversing the sign
- Dave shared new BPM calibrations for all data.
 - Raw values from each run period.
- Raster sign appeared to be correct.
 - Garth suggested to make minor change to raster to improve the distribution.

High Q² Heep Coin Data

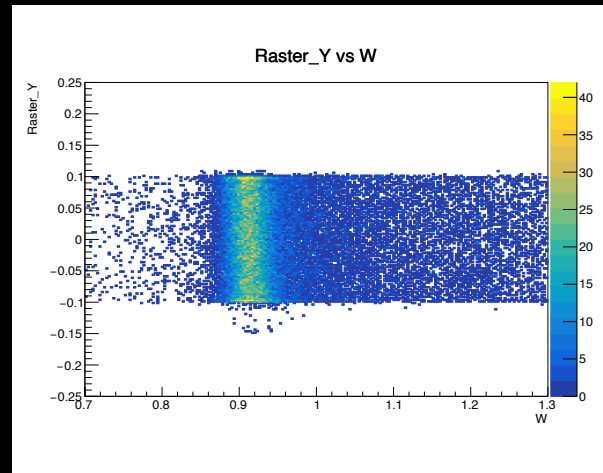
- 6.2 GeV
 - HMS P = 3.57 GeV
 - SHMS P = 3.48 GeV
- 8.2 GeV
 - HMS P = 4.67 GeV
 - SHMS P = 4.37 GeV
- 10.6 GeV
 - HMS P = 6.59 GeV
 - SHMS P = 4.84 GeV

W vs Raster Y (Original sign)

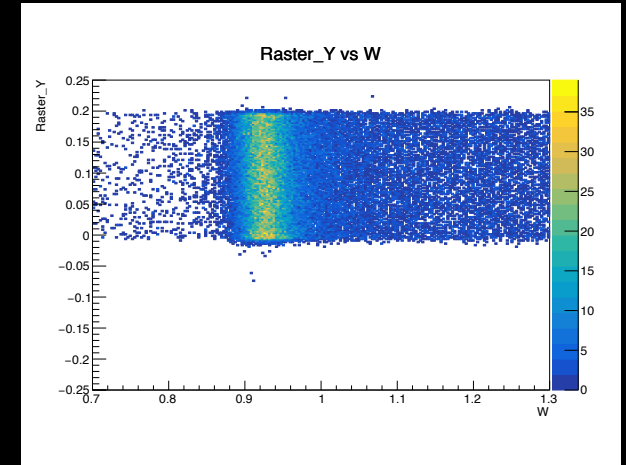
6.2



8.2

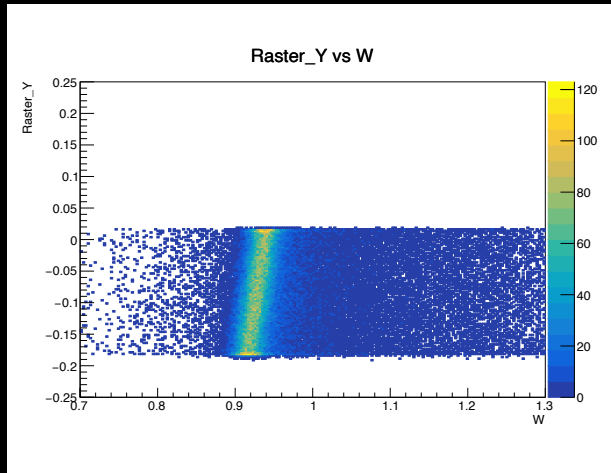


10.6

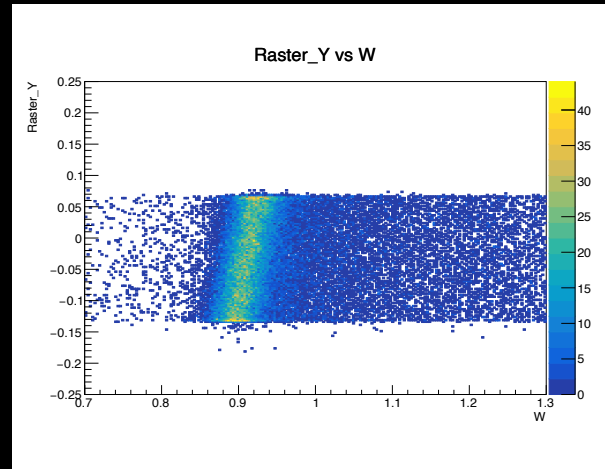


W vs Raster Y (Inverse sign)

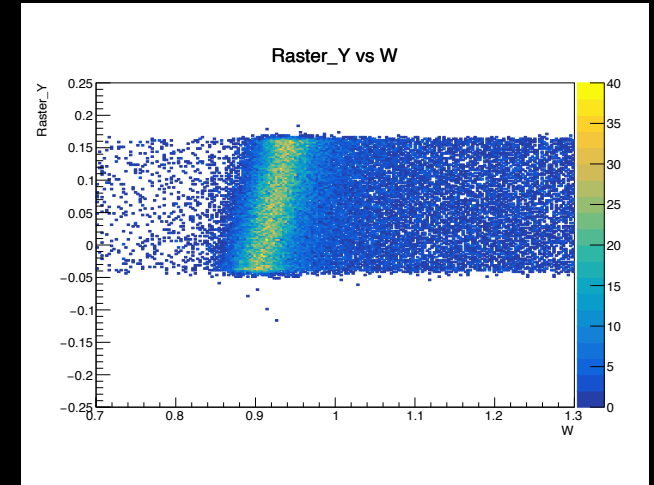
6.2



8.2



10.6



Summary

- Raster sign appears to be correct.
 - May need slight adjustment ?
- Using raw BPM calibration from Dave.
- Ready to start looking at the offsets.