



Emittance Evolution



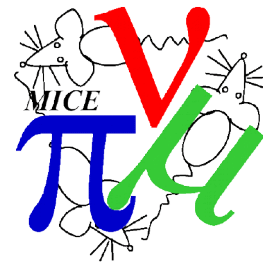
C. Rogers, ISIS Intense Beams Group
Rutherford Appleton Laboratory

Overview



- Tied in time extrapolation to global track matching
 - Run vs 2017/02-7 data
- Brief glimpse at first 2017/03 data

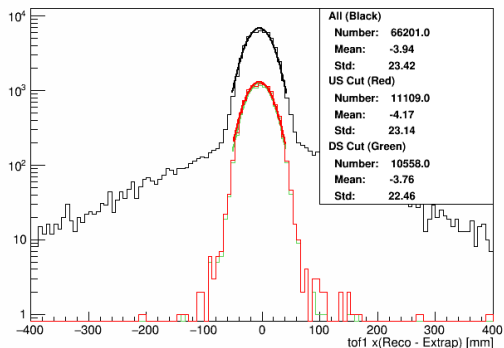
TKD → TOF1 x



3 mm

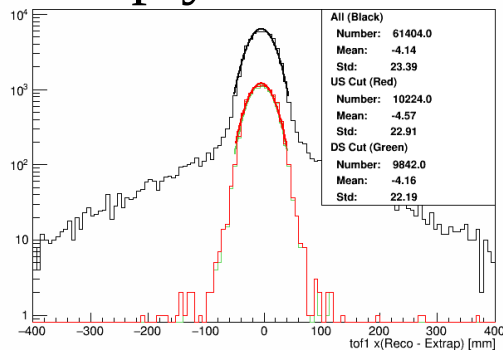
Full

3-140-9971



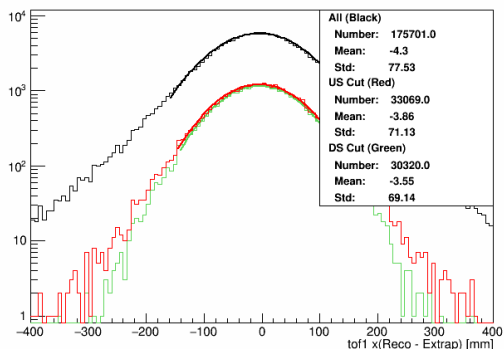
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3-140-10069

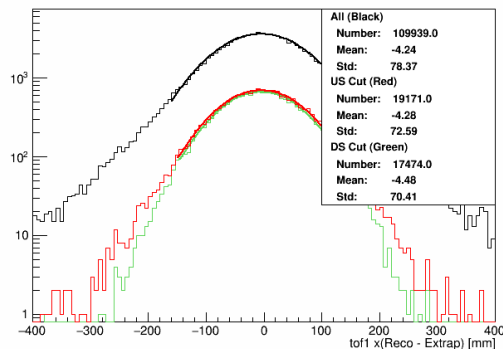


6 mm

6-140-9966

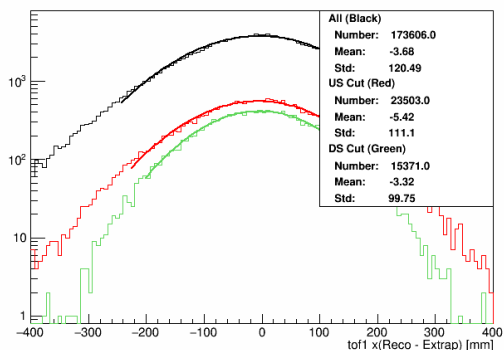


6-140-10051

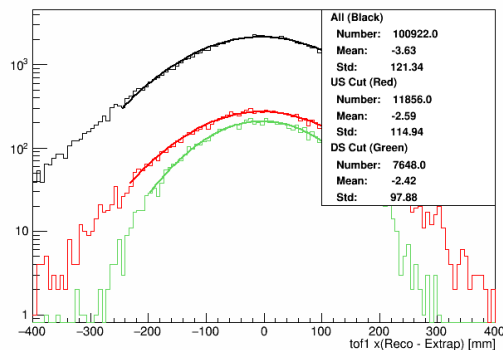


10 mm

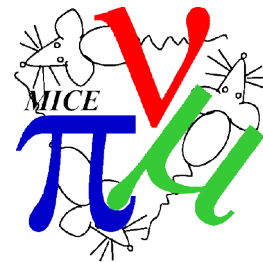
10-140-9970



10-140-10052



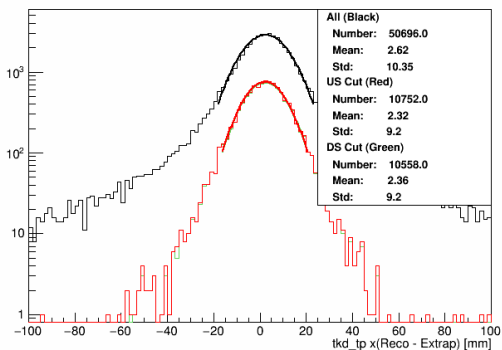
TKU → TKD x



3 mm

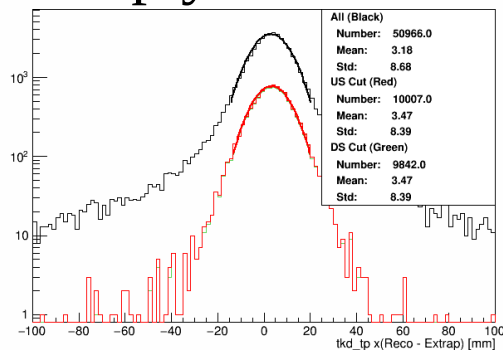
Full

3-140-9971



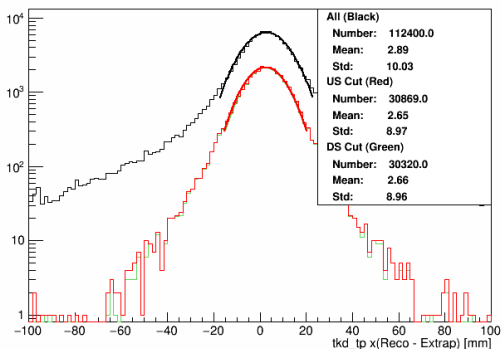
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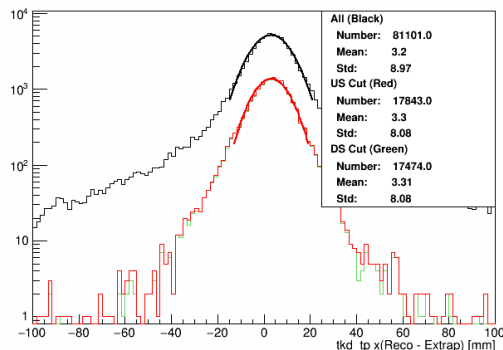


6 mm

6-140-9966

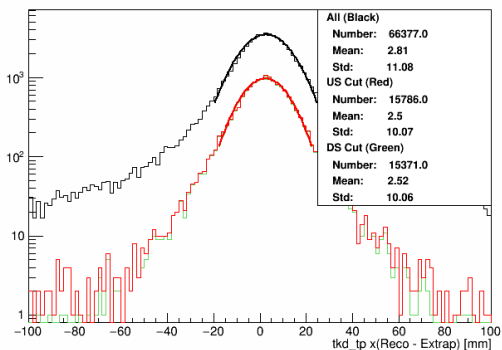


6-140-10051

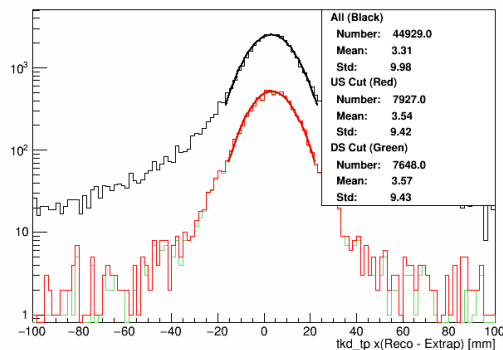


10 mm

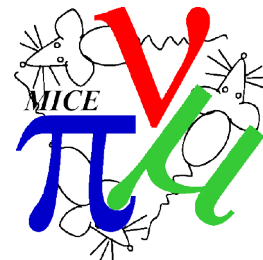
10-140-9970



10-140-10052



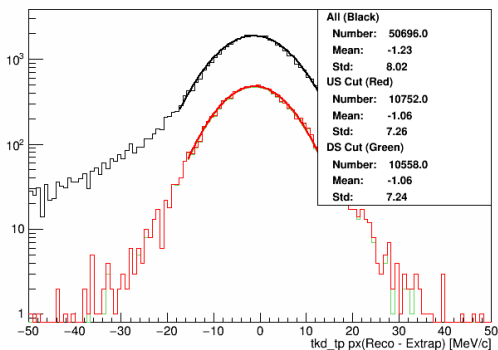
TKU → TKD px



3 mm

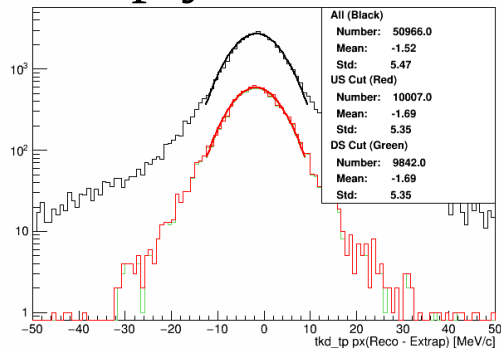
Full

3-140-9971



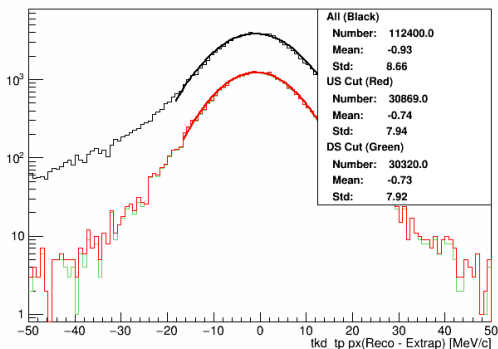
Empty

3-140-10069

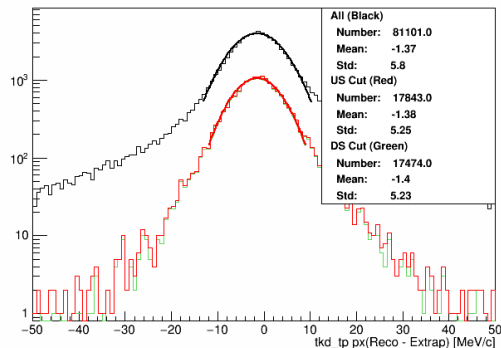


6 mm

6-140-9966

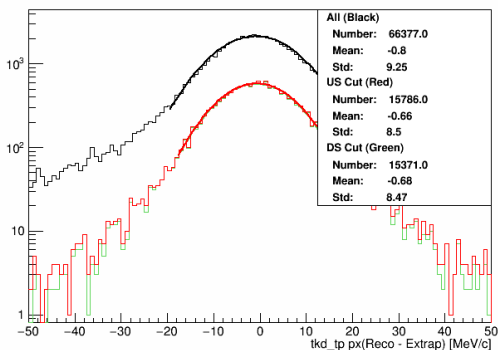


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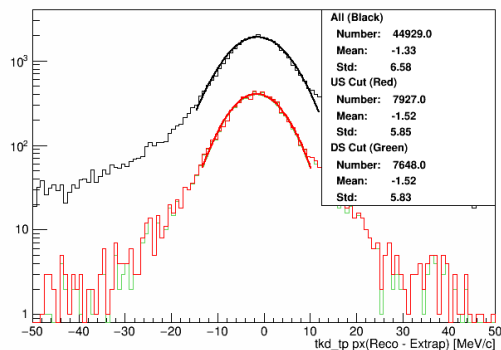


10 mm

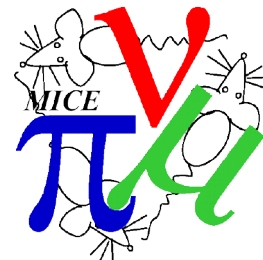
10-140-9970



10-140-10052



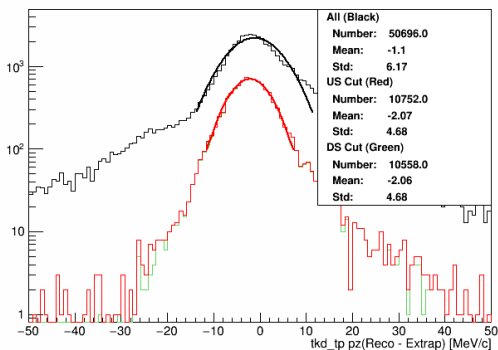
TKU → TKD pz



3 mm

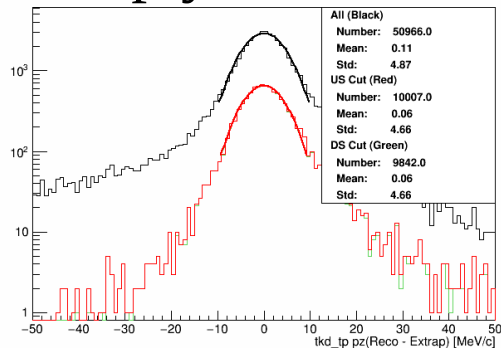
Full

3-140-9971



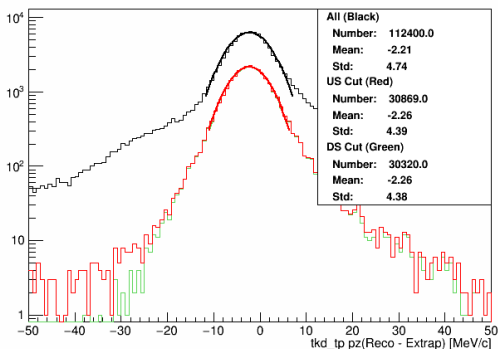
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3-140-10069

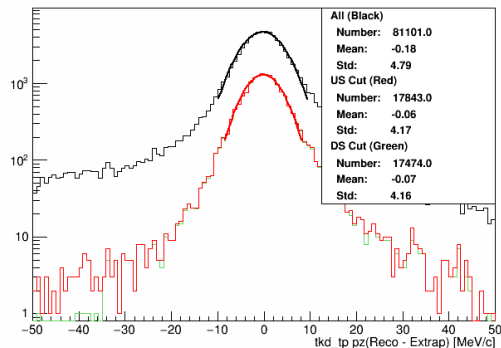


6 mm

6-140-9966

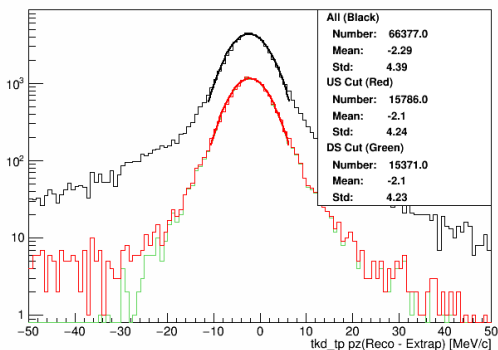


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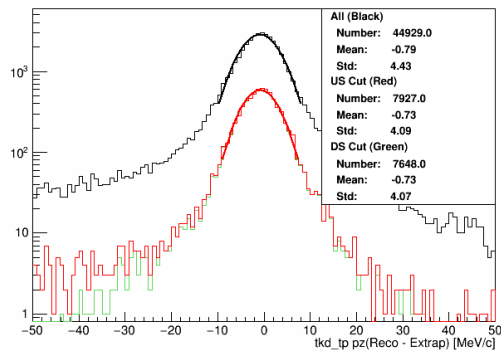


10 mm

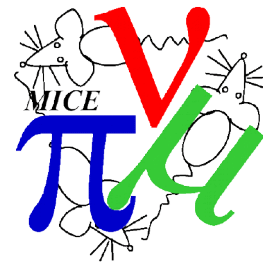
10-140-9970



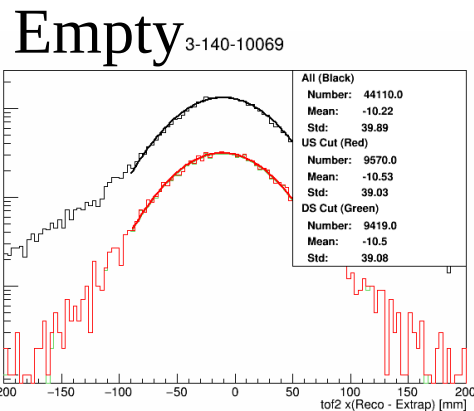
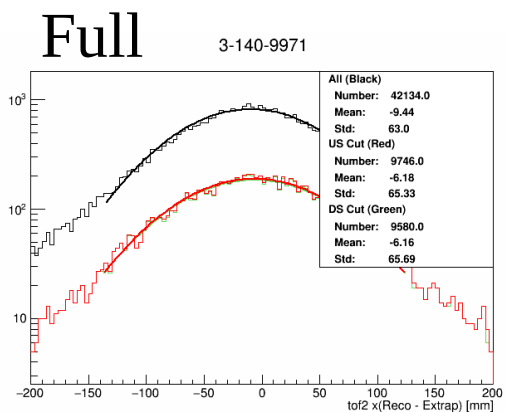
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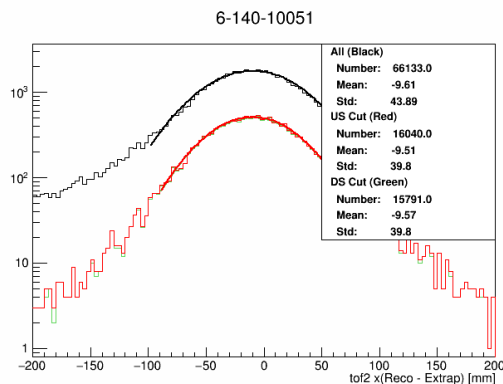
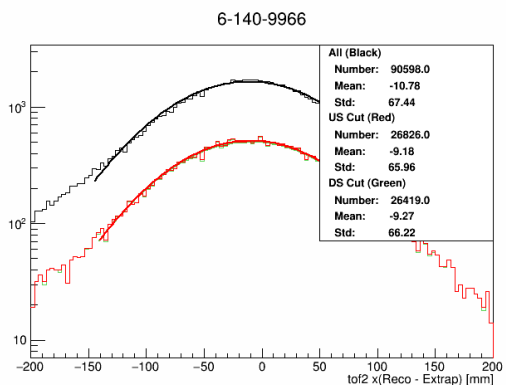
TKU → TOF2



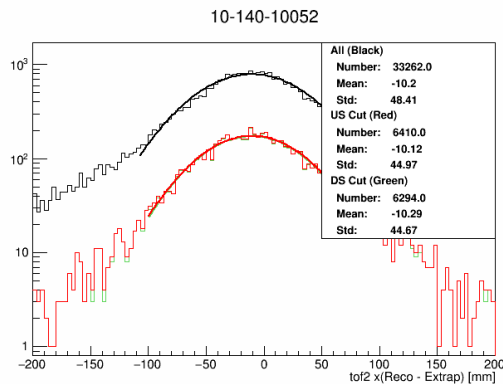
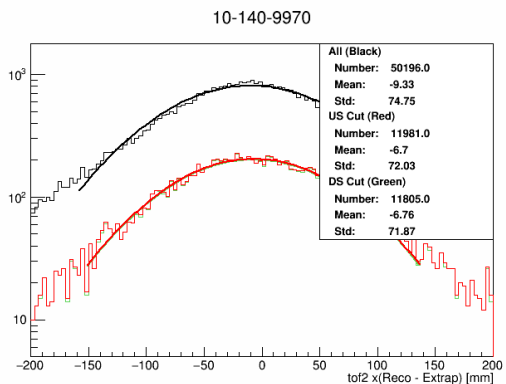
3 mm



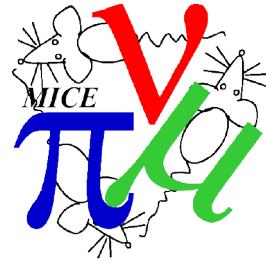
6 mm



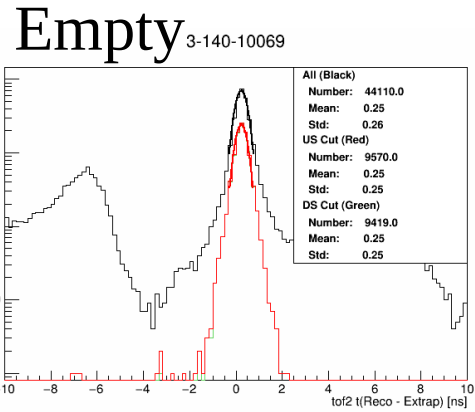
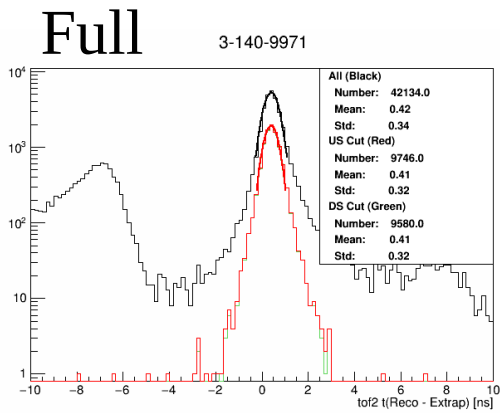
10 mm



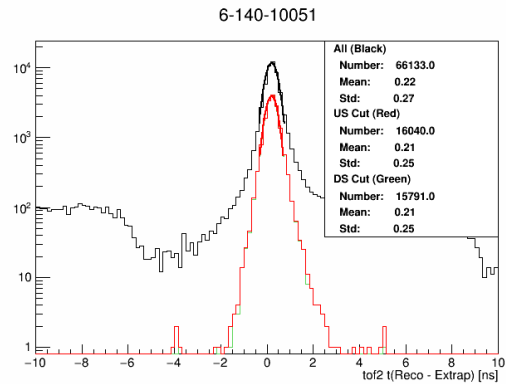
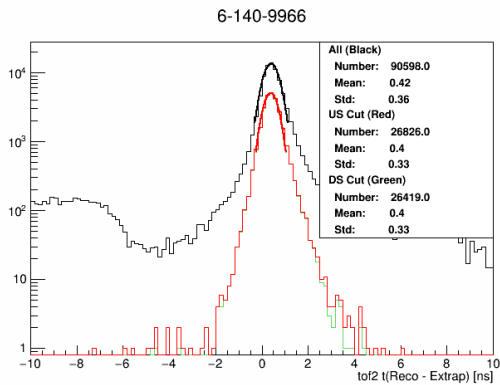
TKU+TOF1 → TOF2



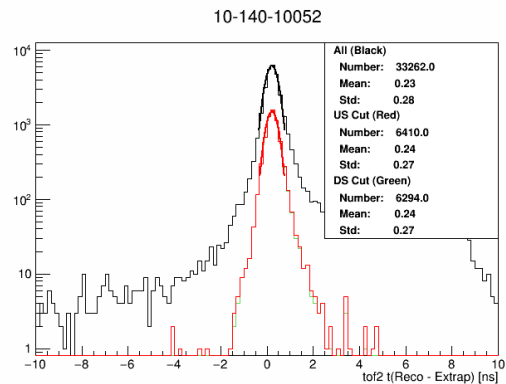
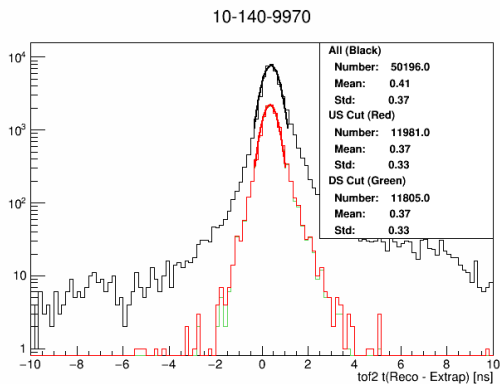
3 mm



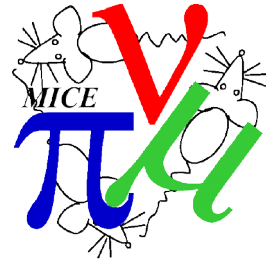
6 mm



10 mm

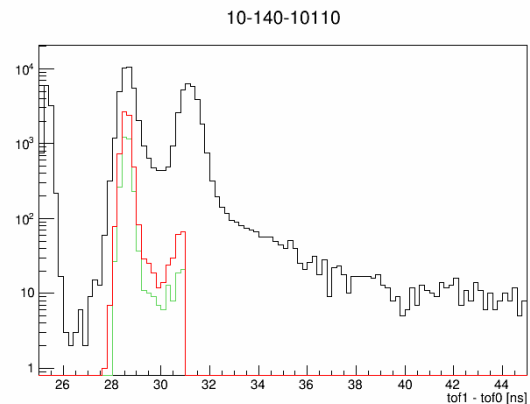
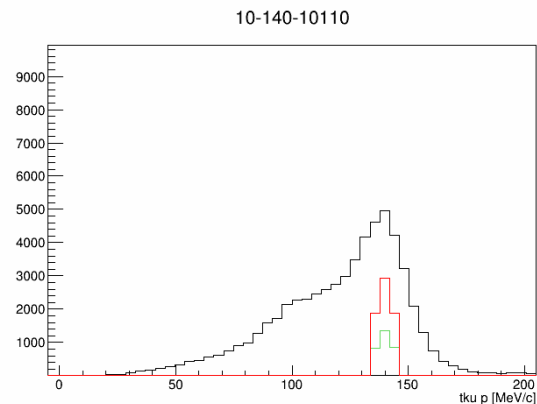
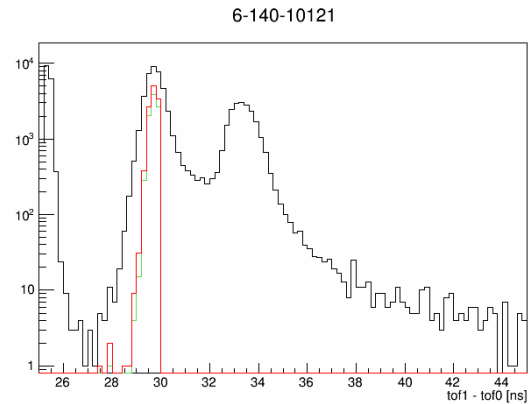
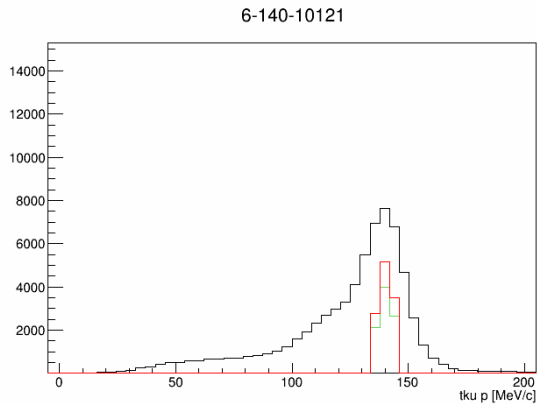
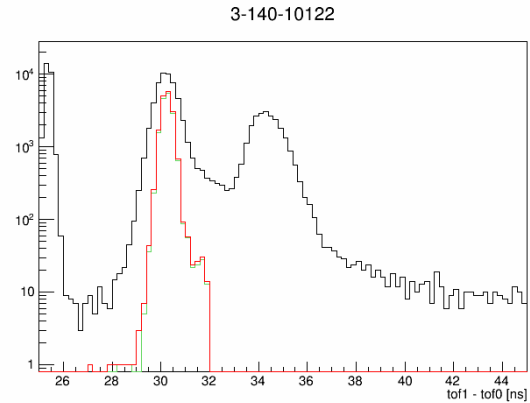
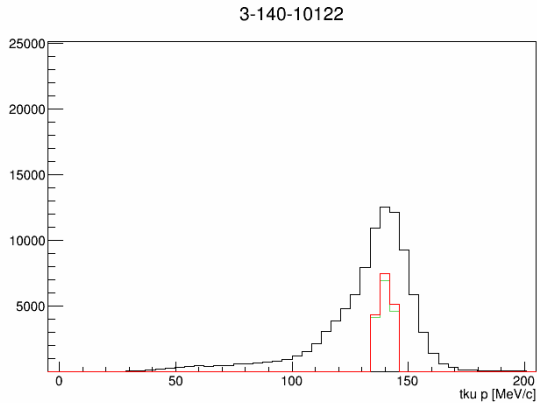


Conclusions

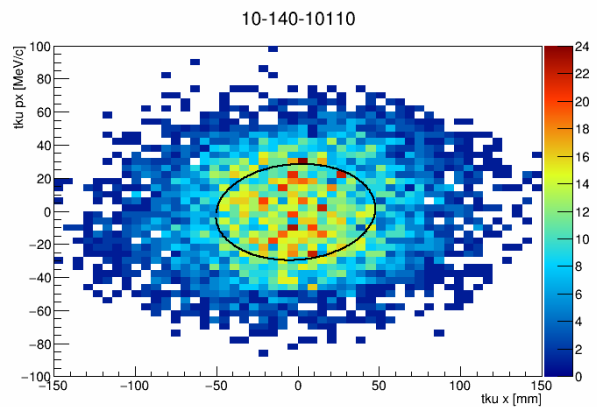
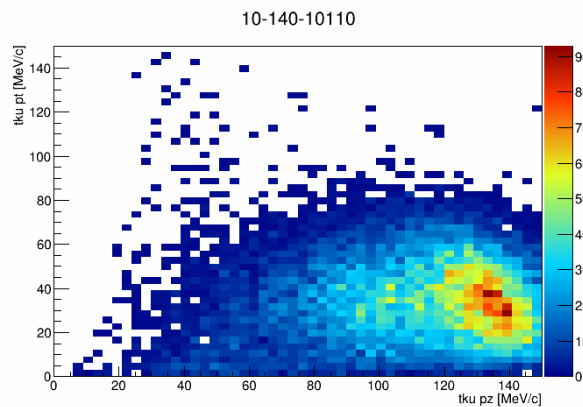
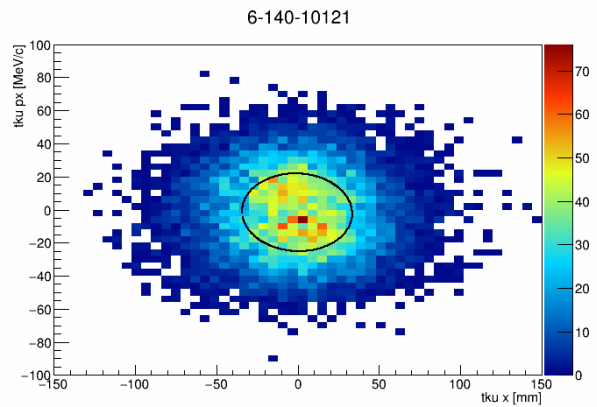
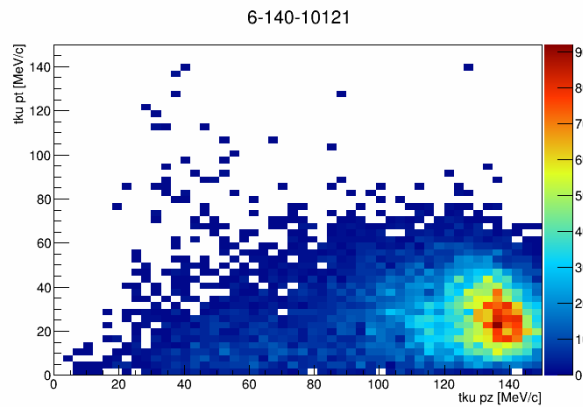
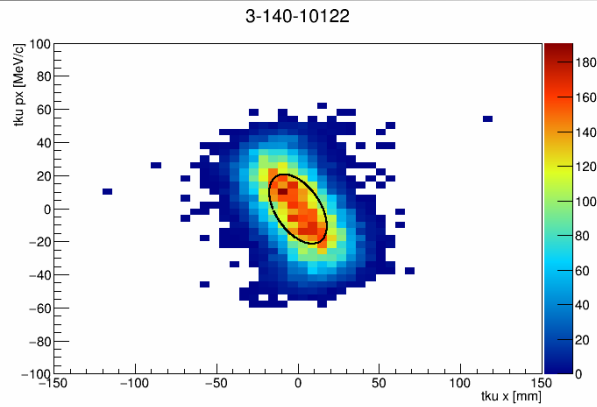
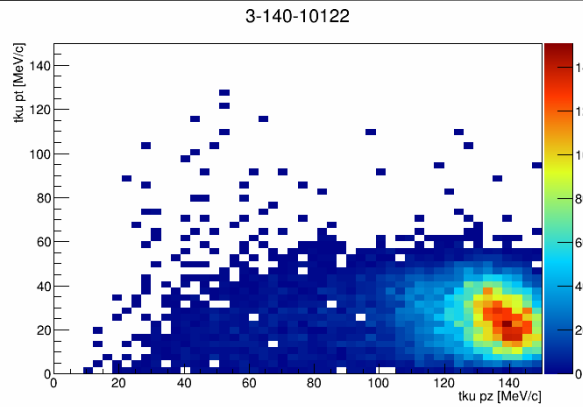
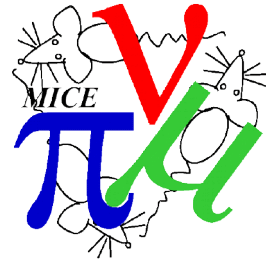


- Reasonable agreement between detectors
 - Is the bias magnet alignment or measurement bias

2017/03 - empty 2017/02-3



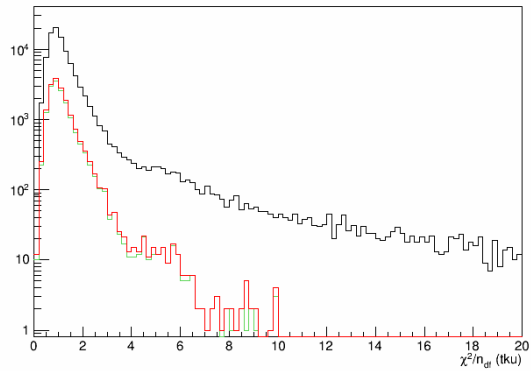
2017/03 - empty 2017/02-3



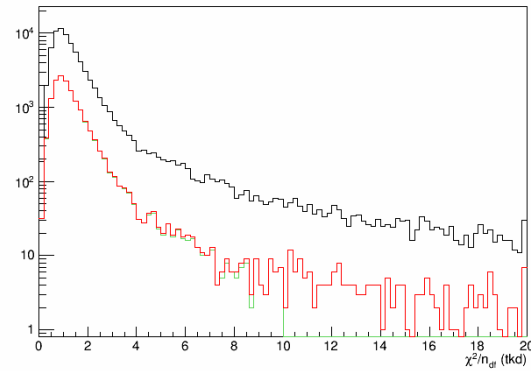
2017/03 - empty 2017/02-3



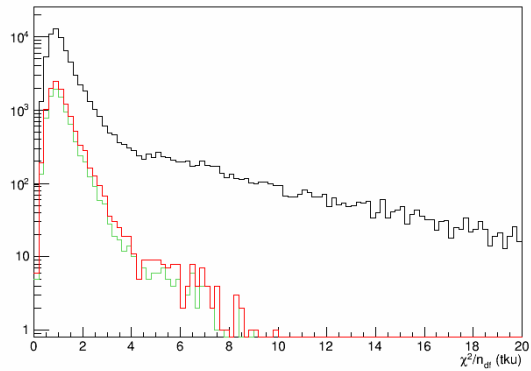
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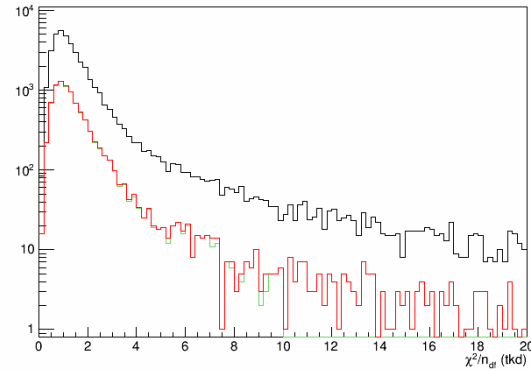
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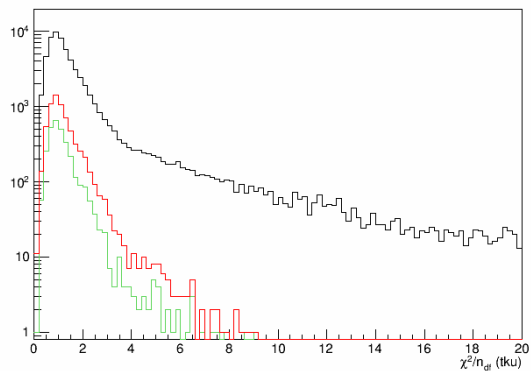
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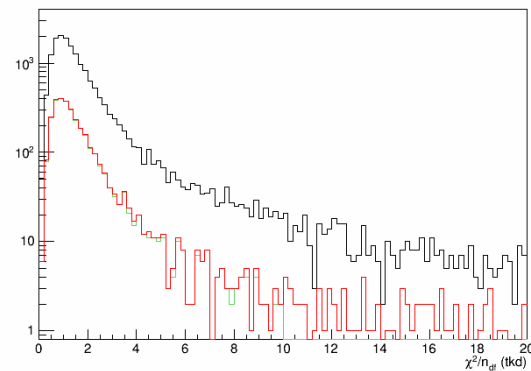
6-140-10121



10-140-10110



10-140-10110



2017/03 - empty 2017/02-3

