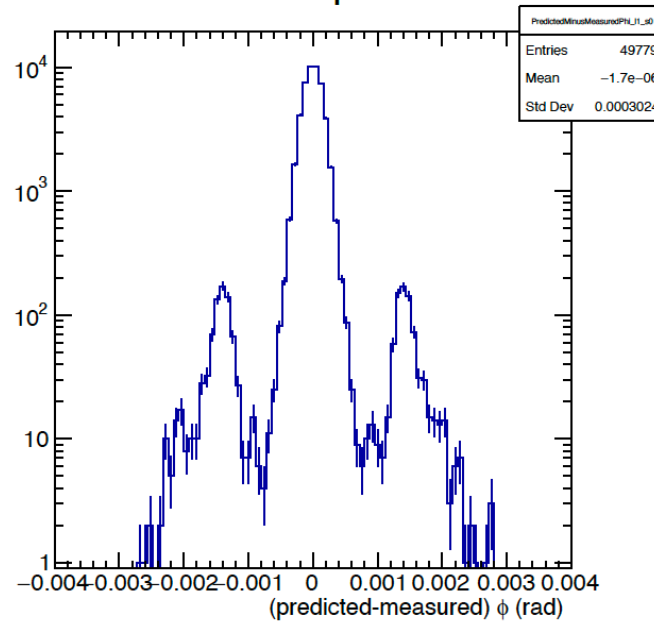


A Few Updates

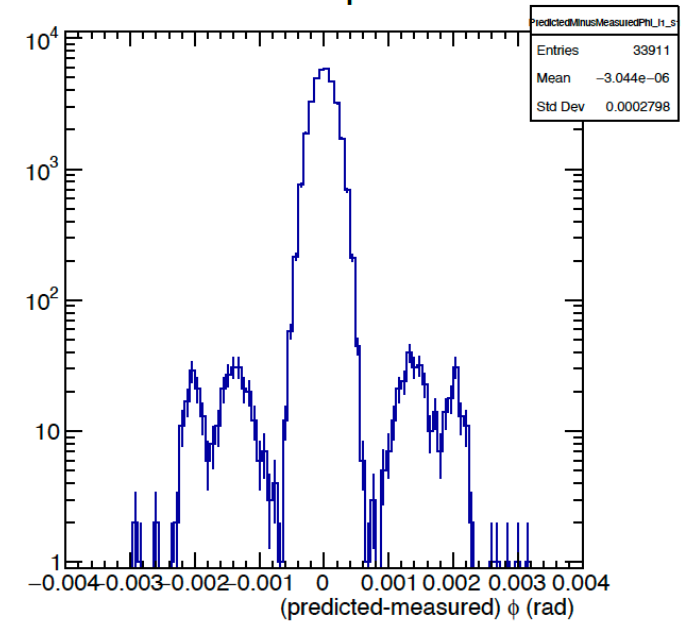
- Now testing with MC track finding. We use the true sTGC points to make the first track prediction and then refit with the measured points.
- ϕ strips for outer sensors are now defined properly.
 - Before, the gap was not accounted for and therefore the center of the strips were not in the proper place.

- Middle plane inner sensor 36.
- $4.99 < p_T < 5.0 \text{ GeV}/c$
- $0.9 < \phi < 1.7 \text{ rad}$
- $2.9 < \eta < 4.4$
- no misalignment

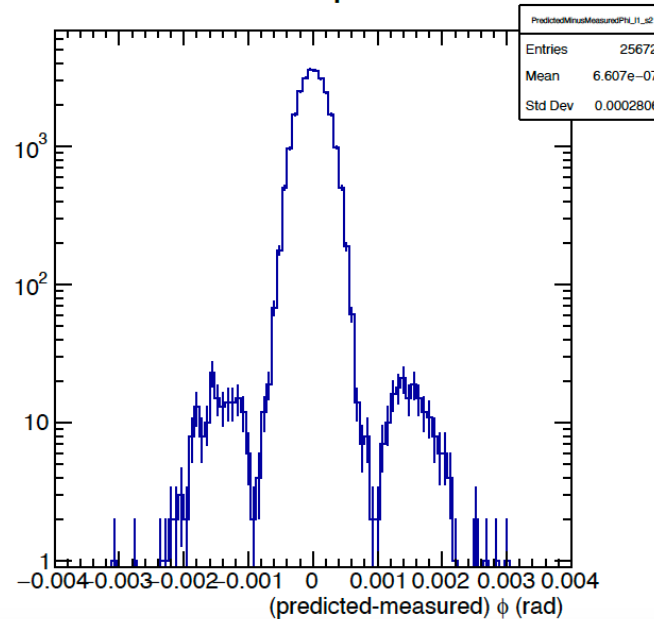
R Strip 0



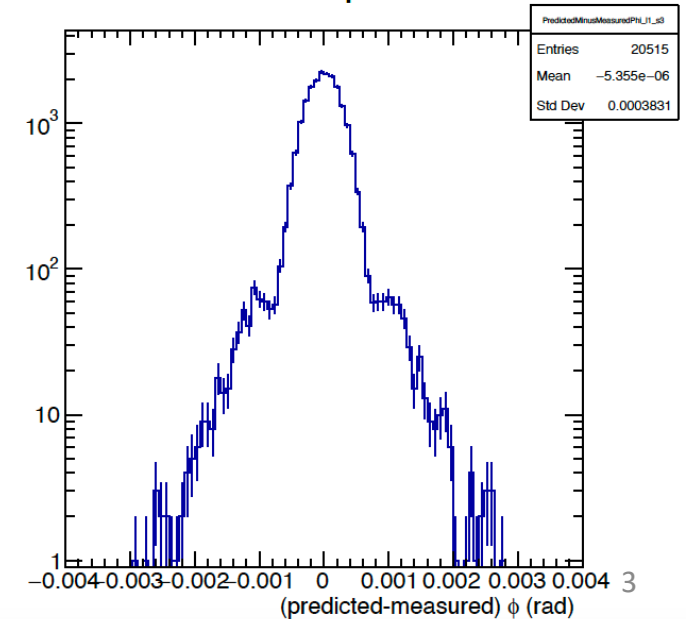
R Strip 1



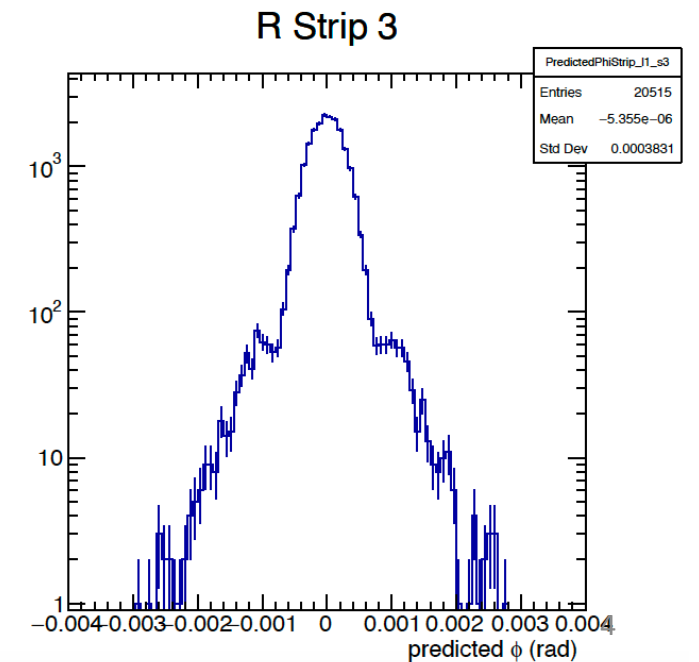
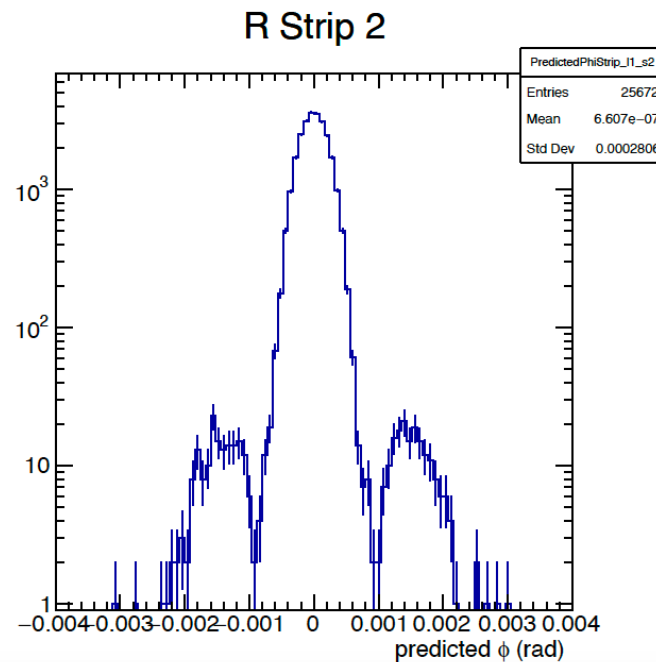
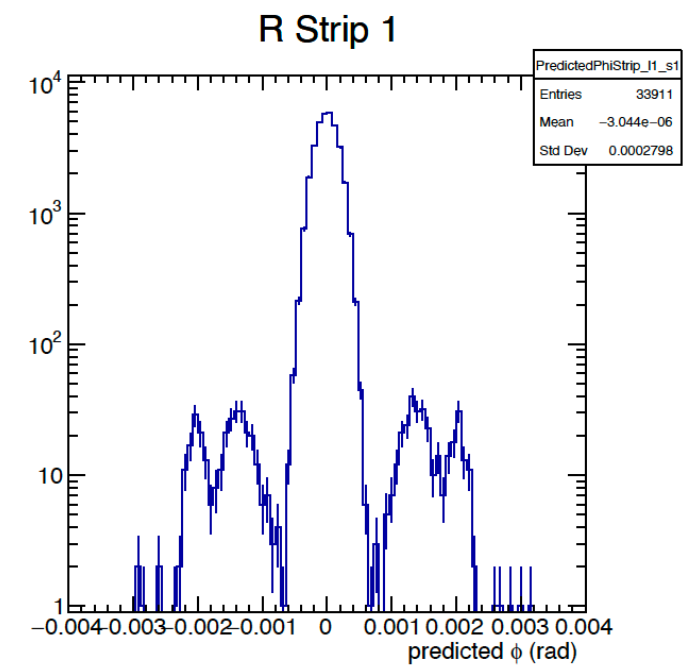
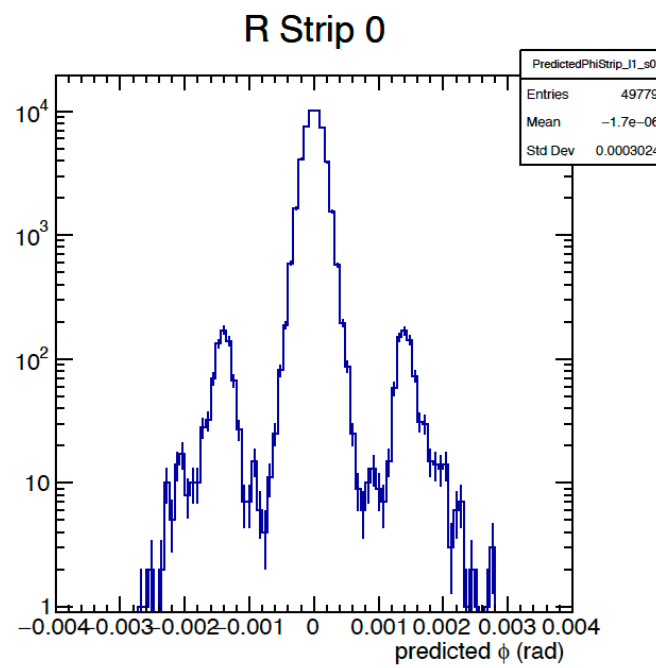
R Strip 2



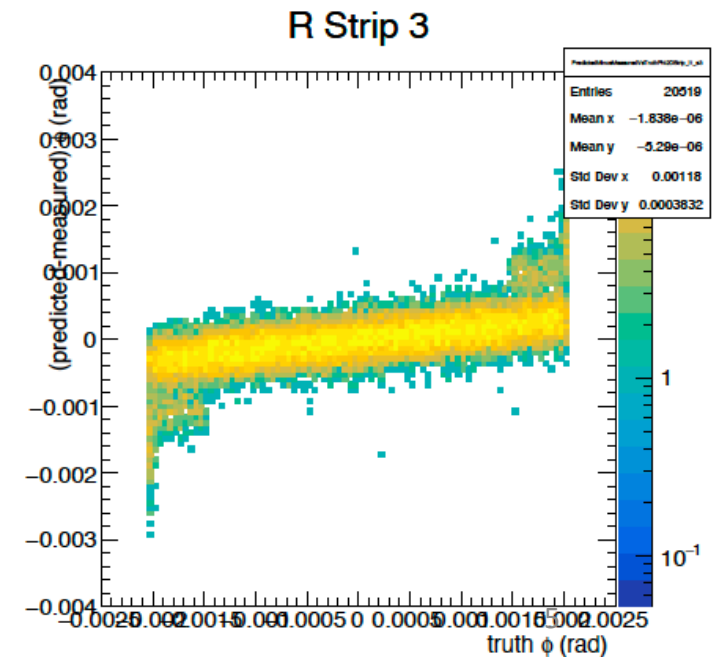
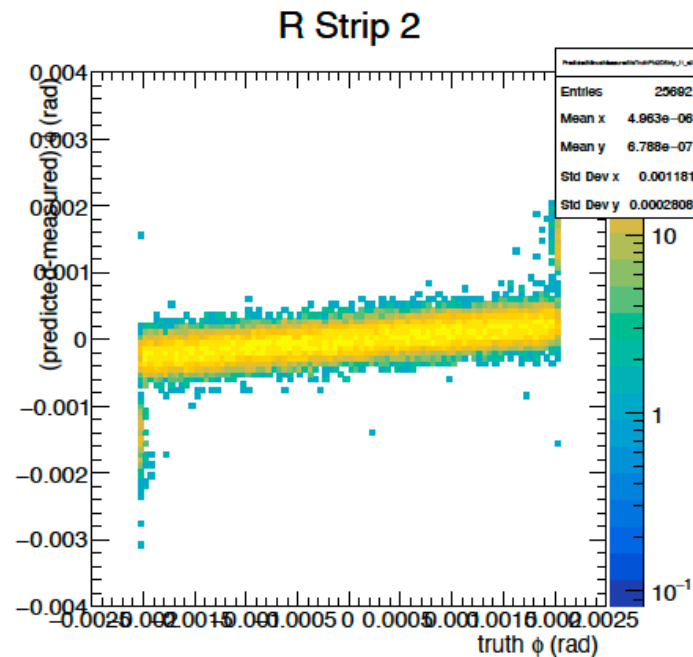
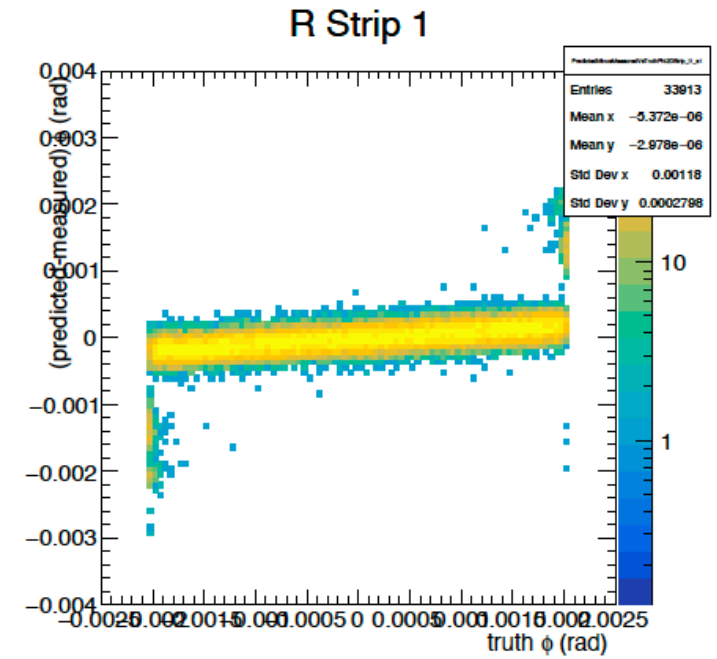
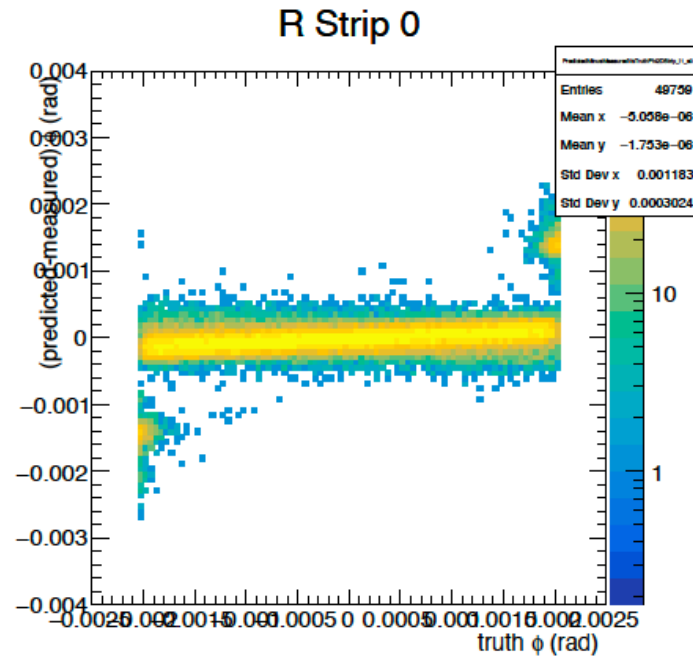
R Strip 3



- Middle plane inner sensor 36.
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- $2.9 < \eta < 4.4$
- no misalignment

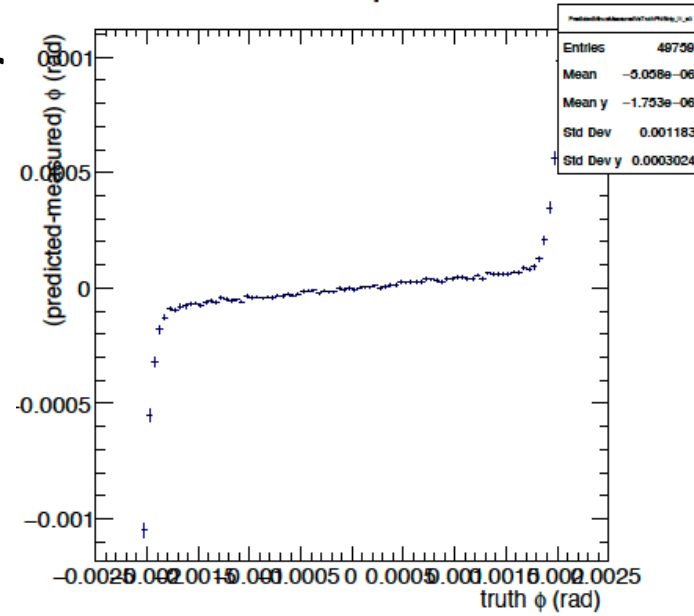


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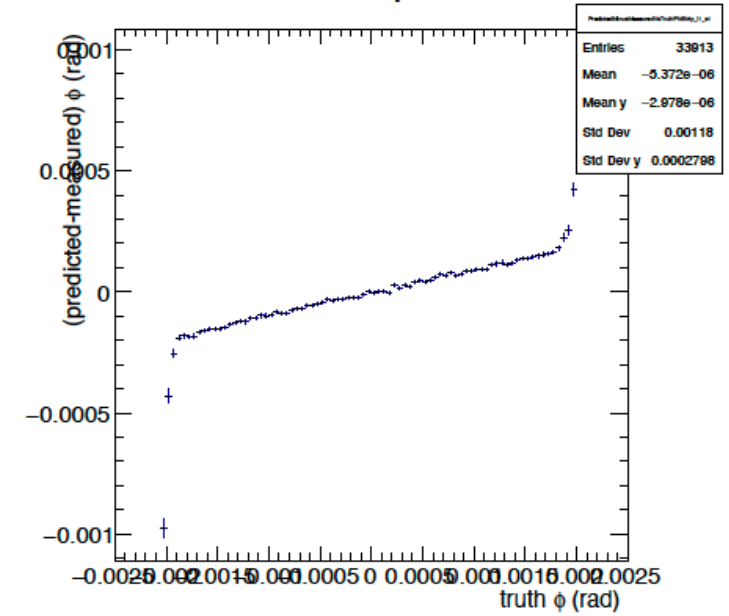


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- $2.9 < \eta < 4.4$
- no misalignment

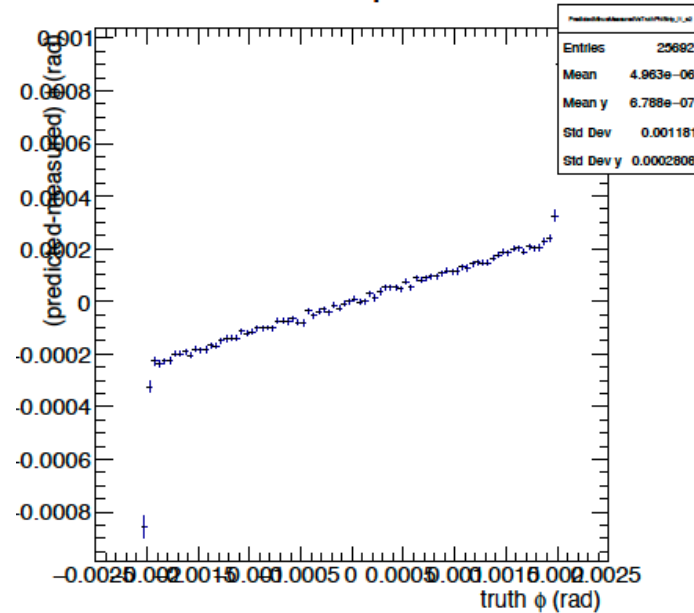
R Strip 0



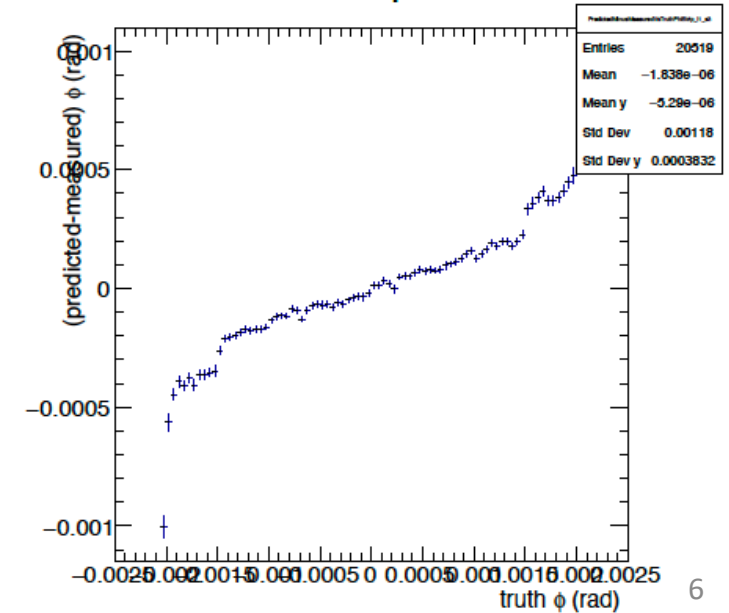
R Strip 1



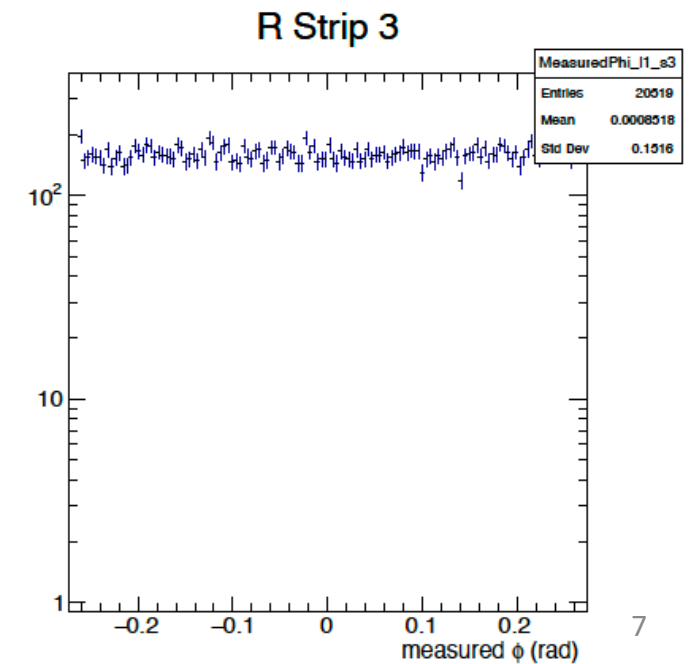
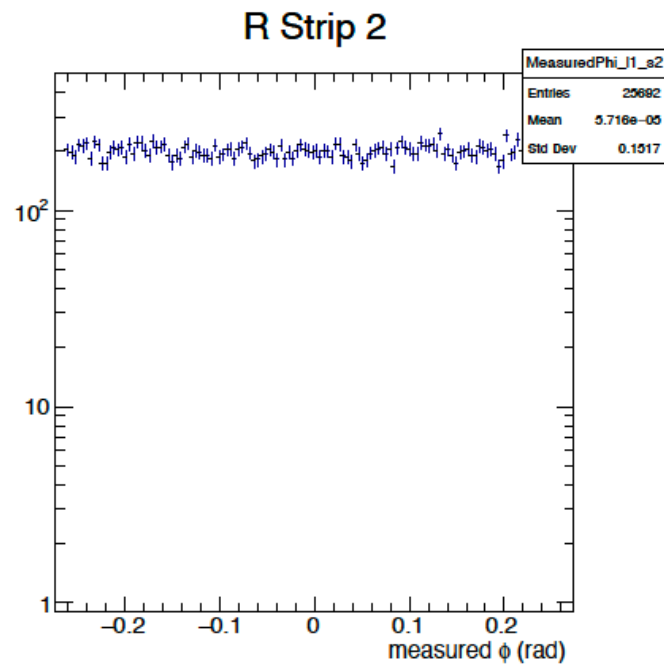
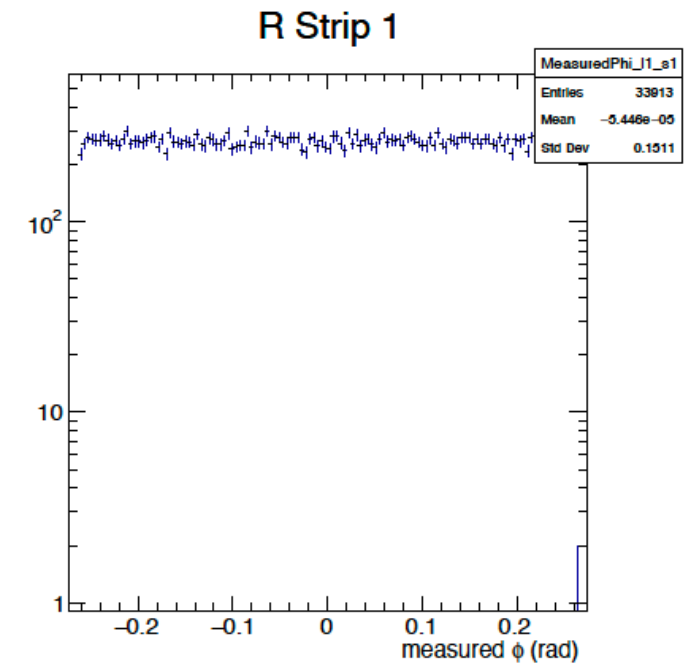
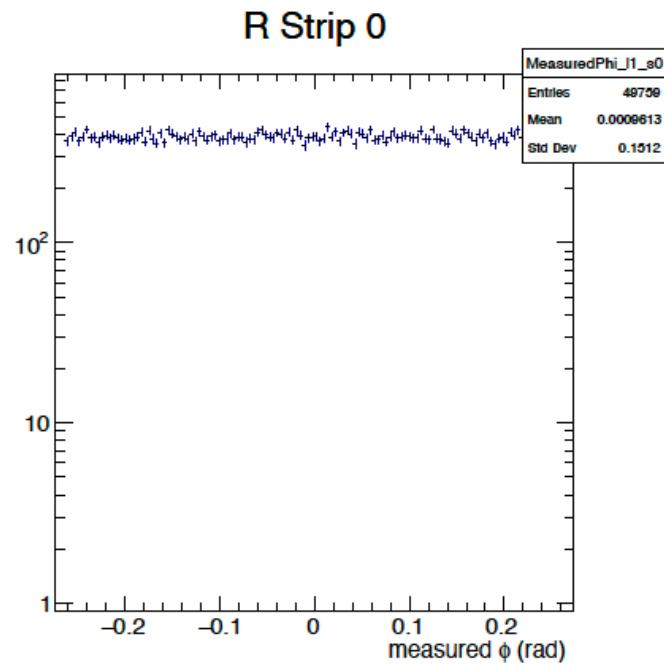
R Strip 2



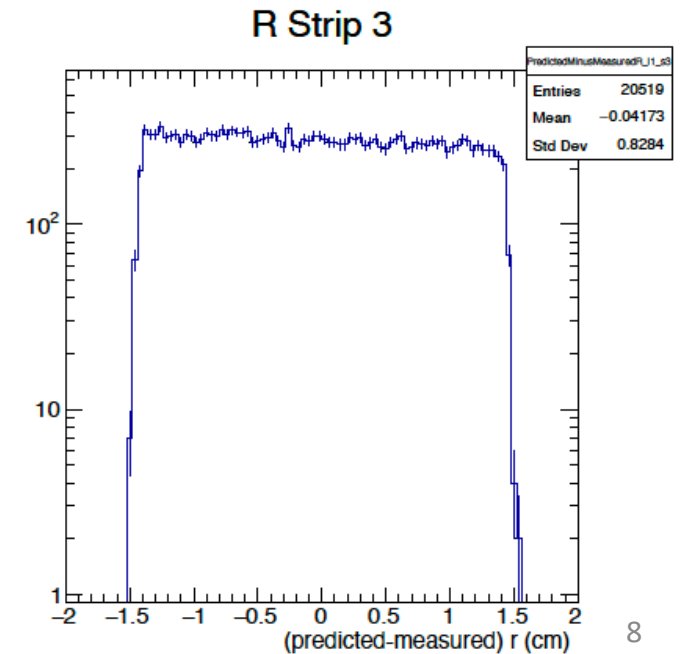
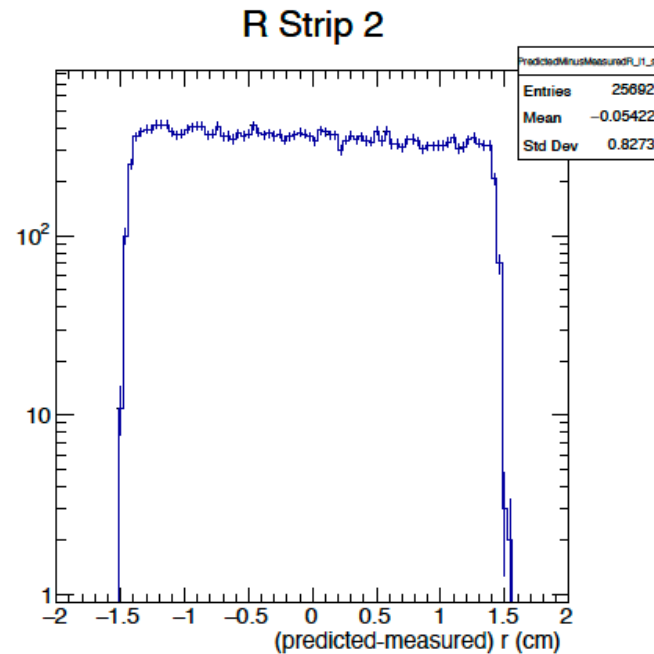
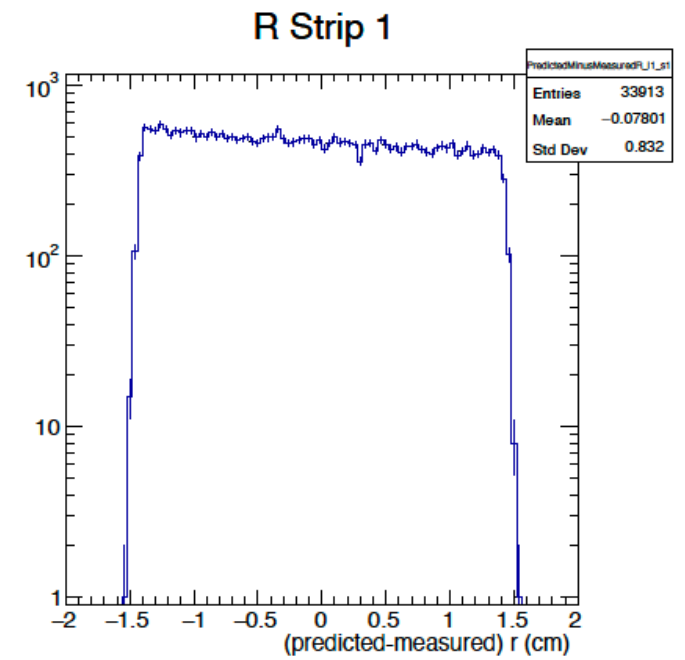
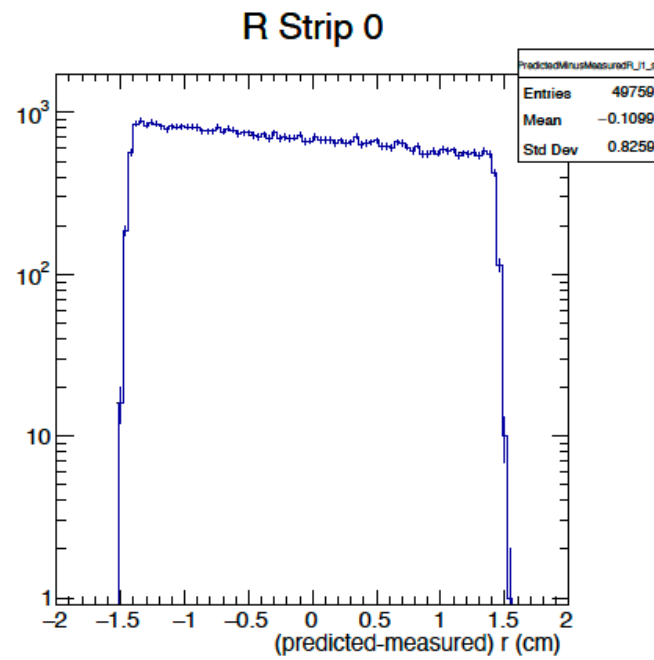
R Strip 3



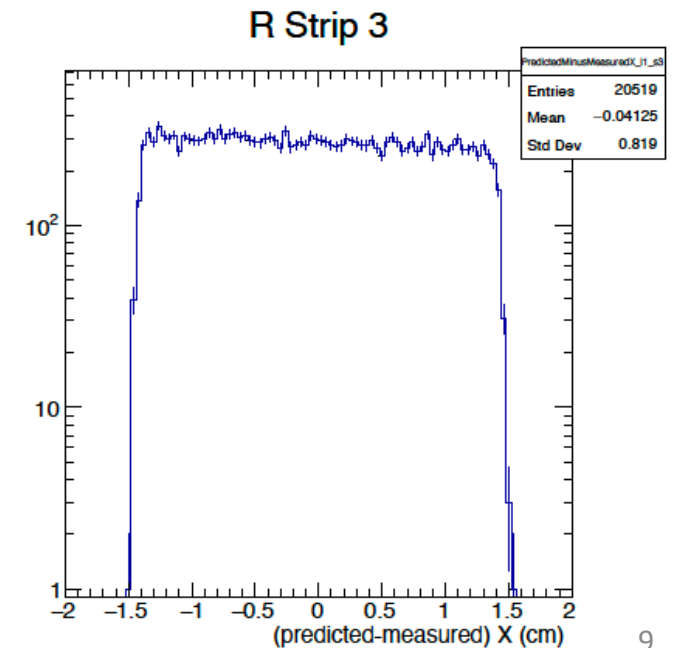
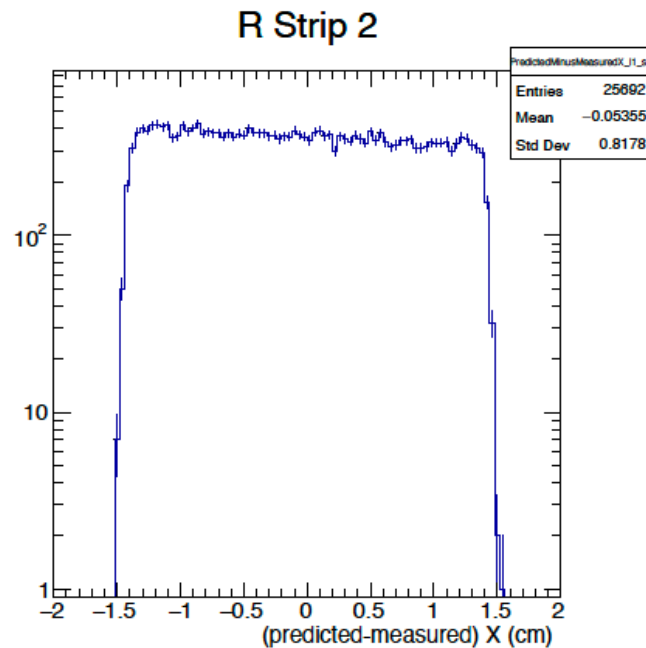
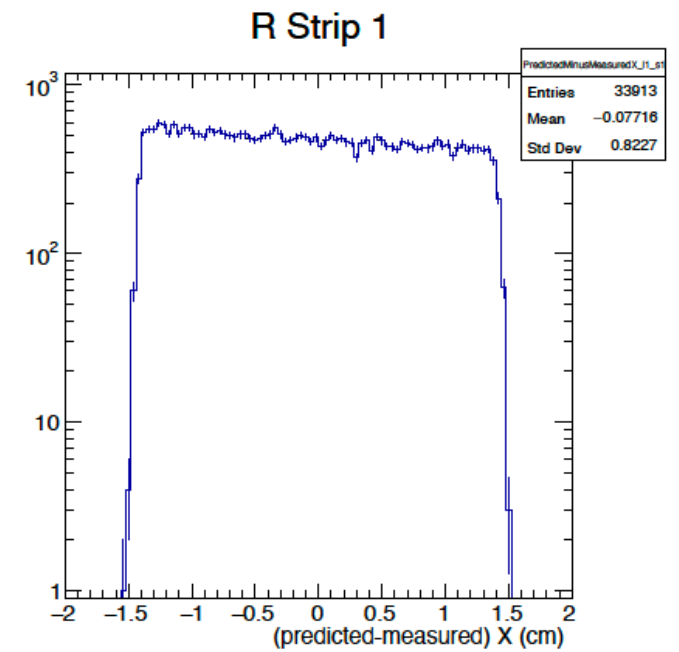
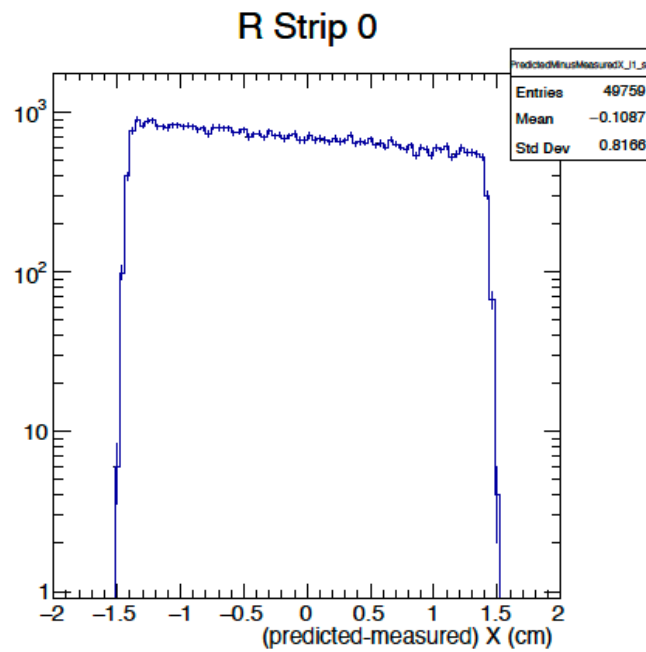
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- $4.99 < p_T < 5.0 \text{ GeV}/c$
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- no misalignment



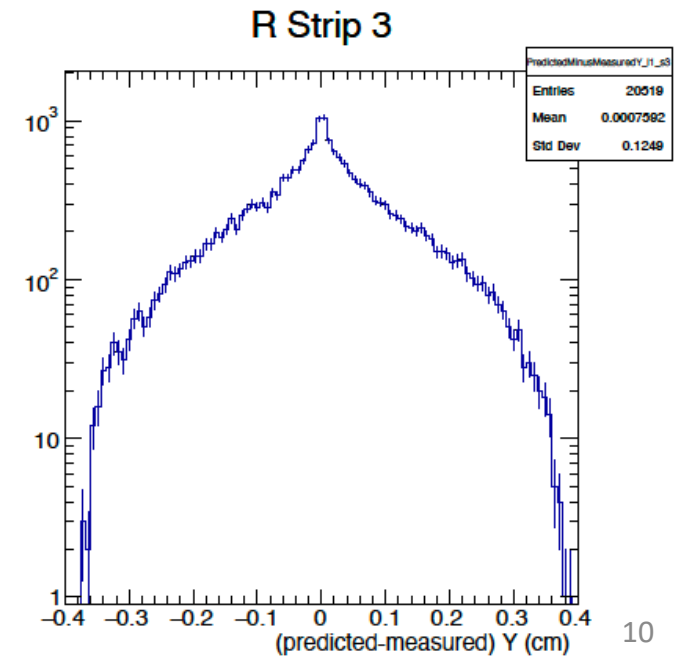
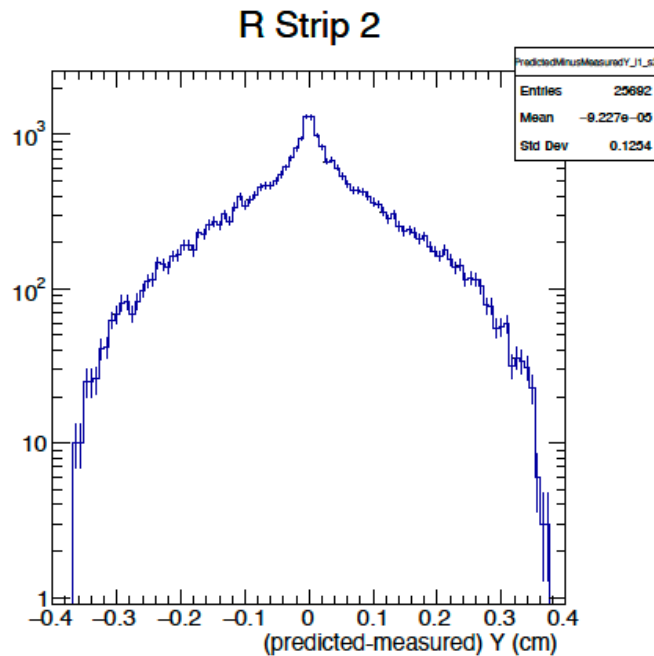
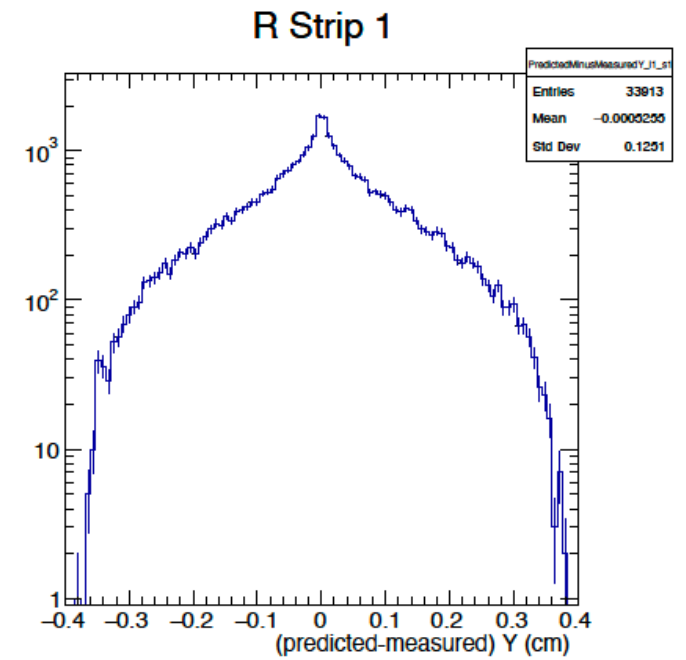
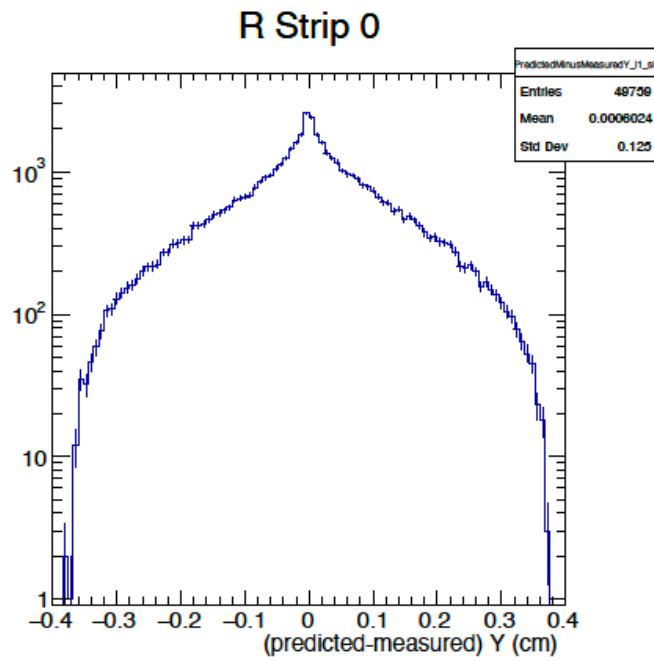
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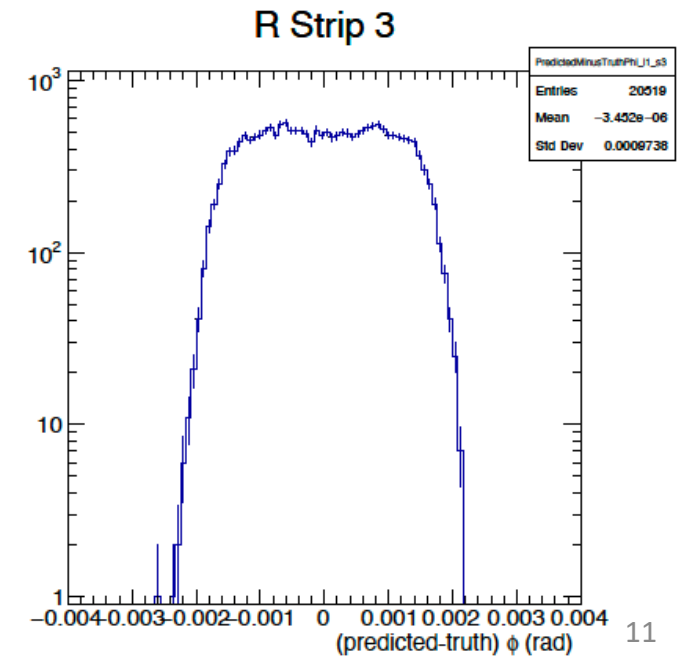
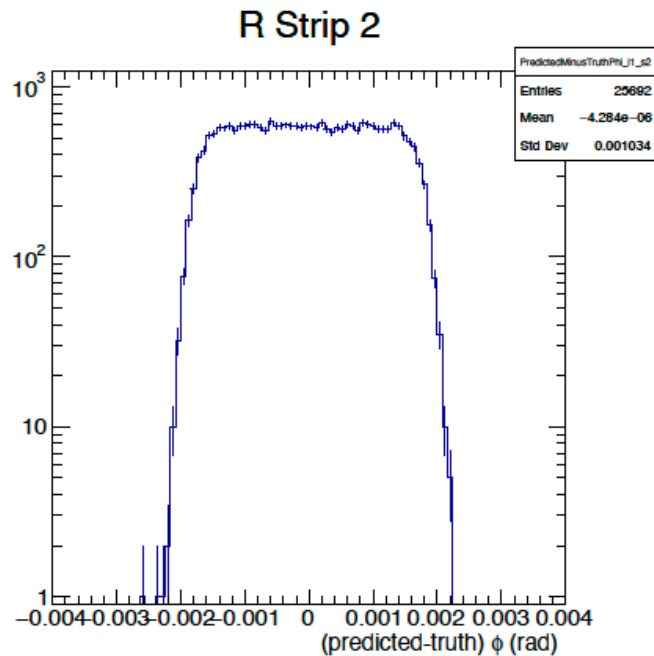
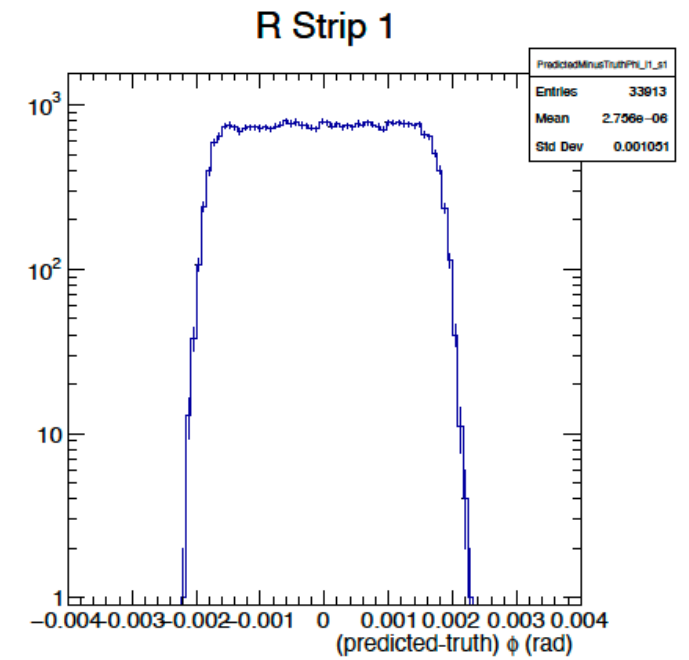
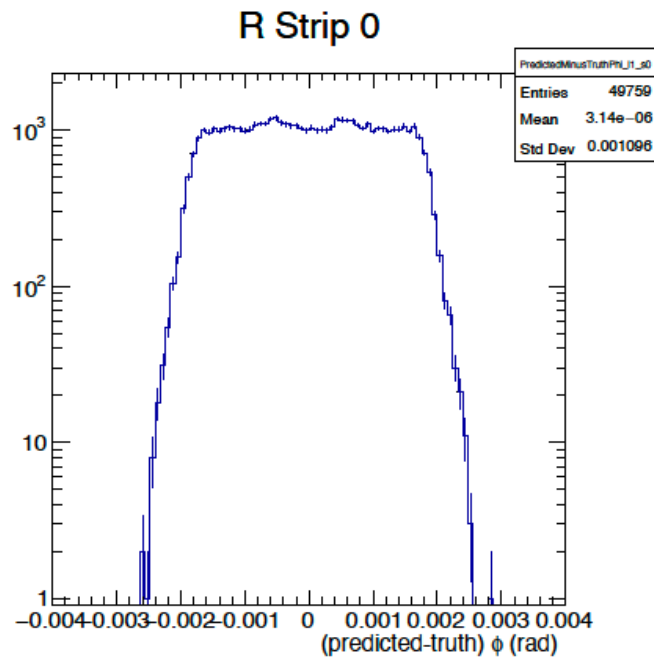
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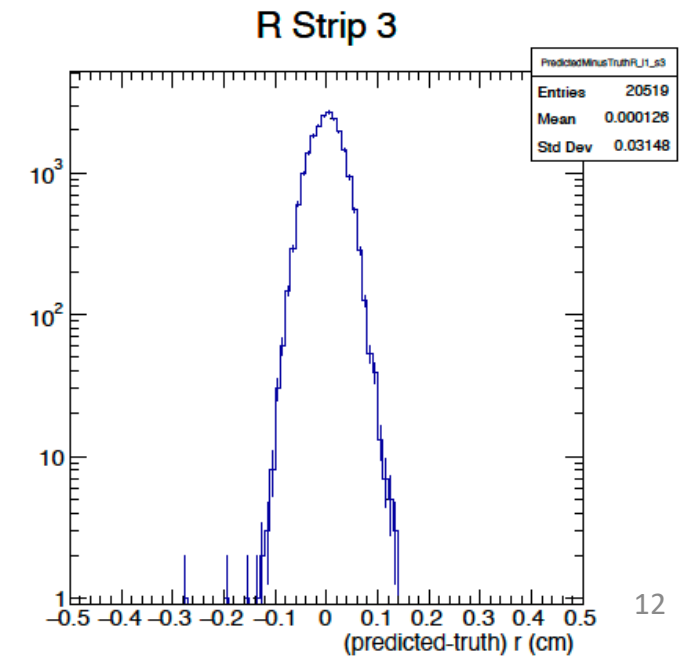
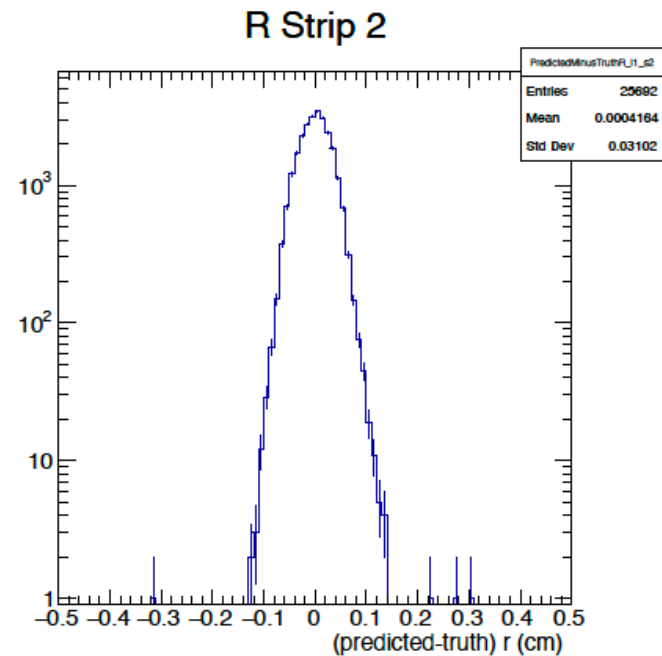
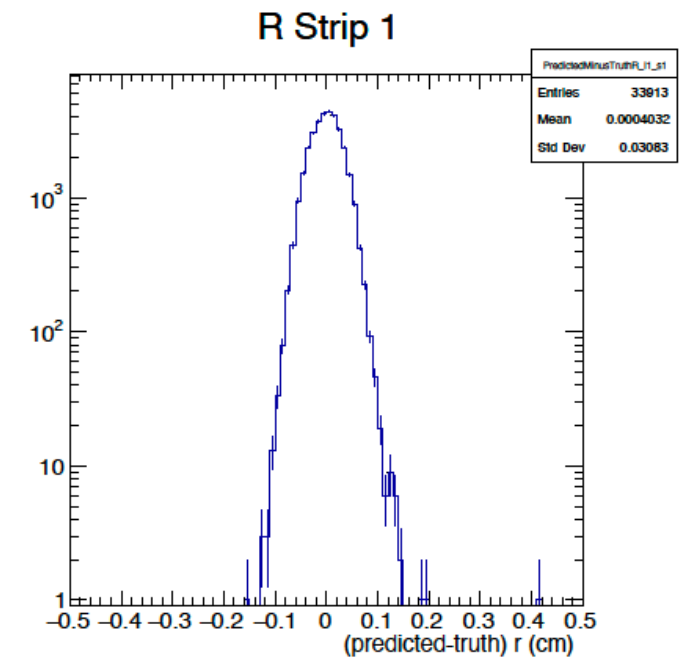
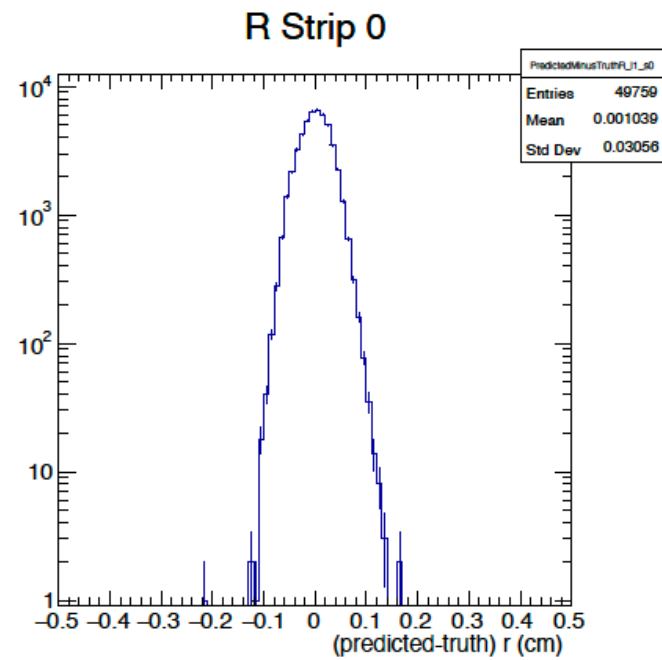
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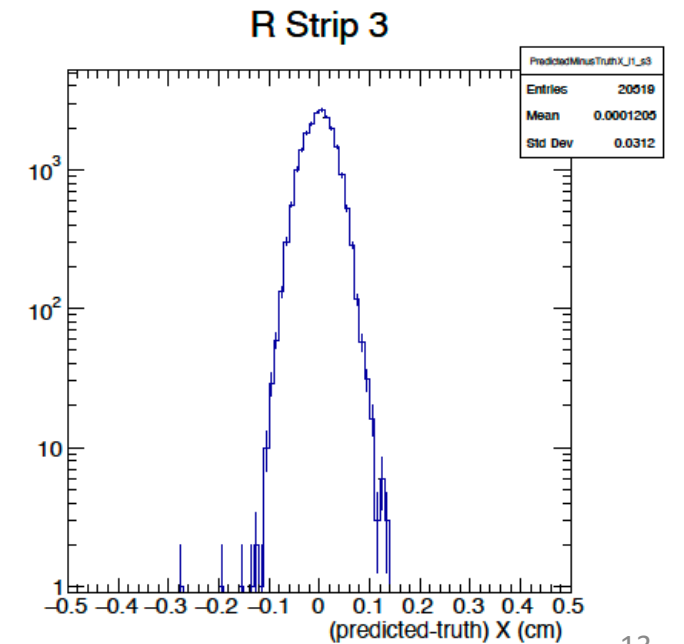
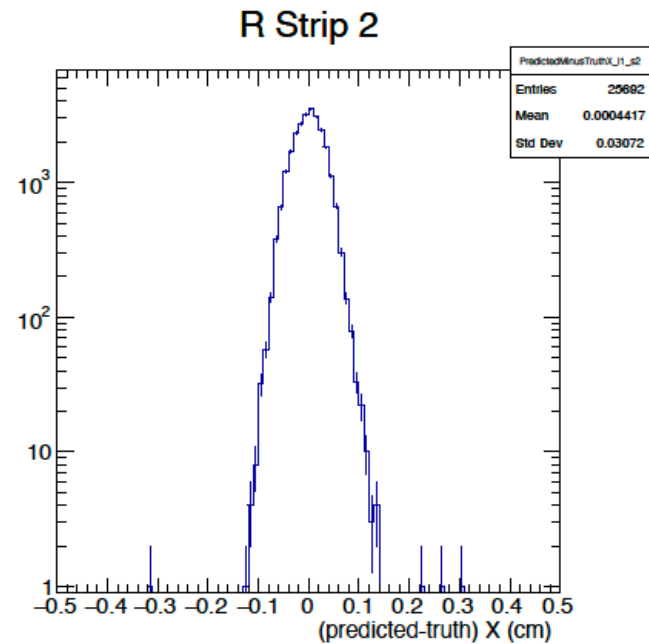
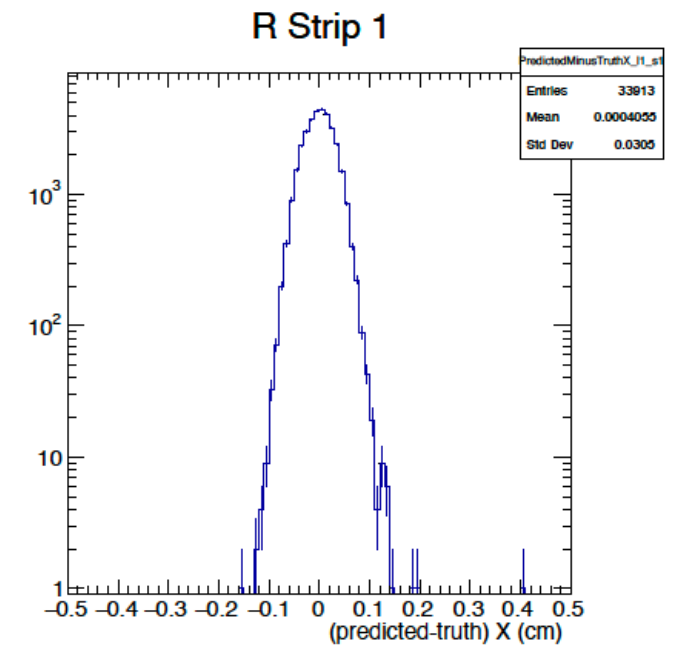
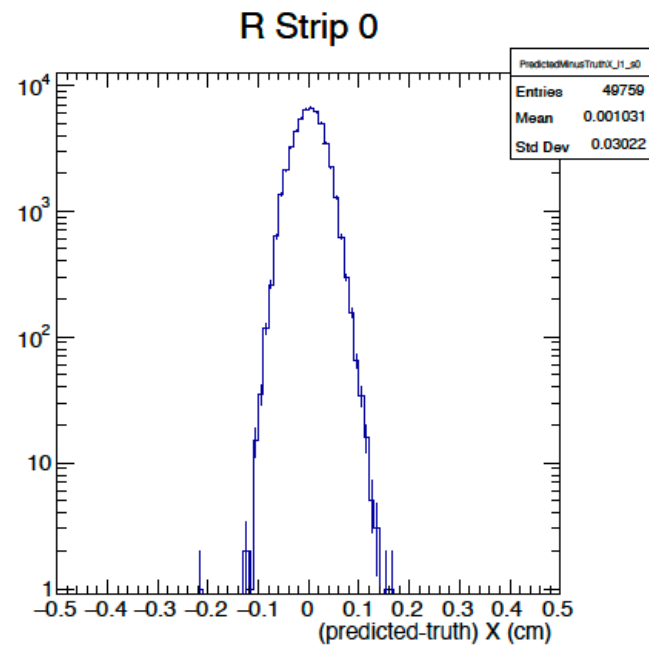
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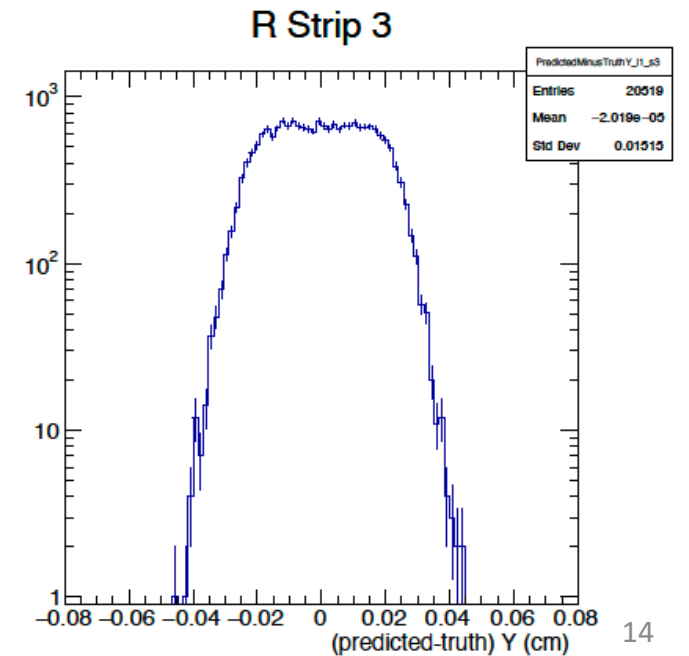
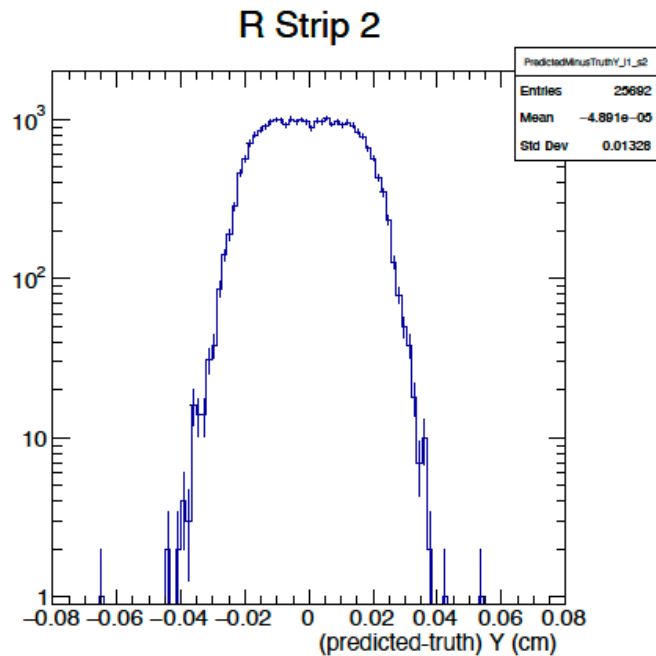
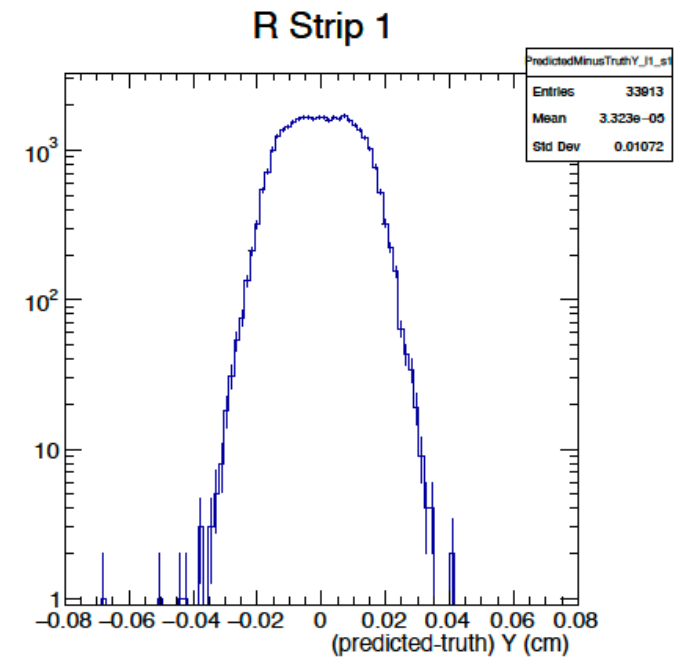
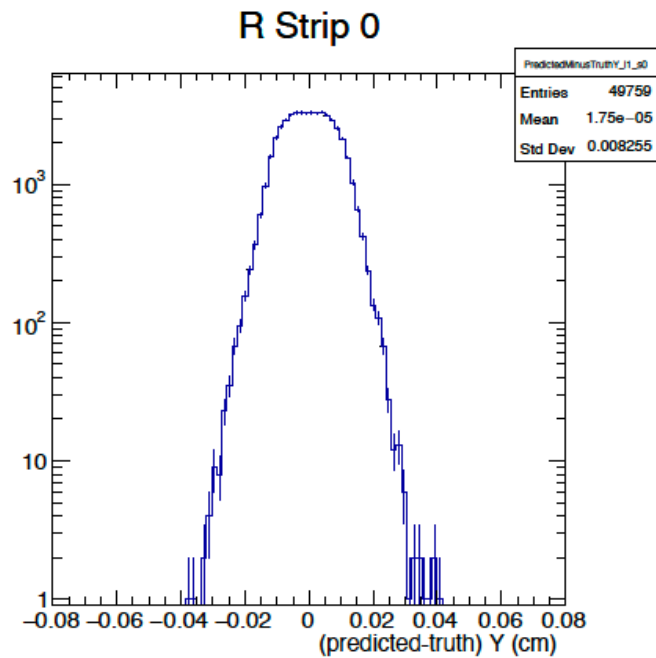
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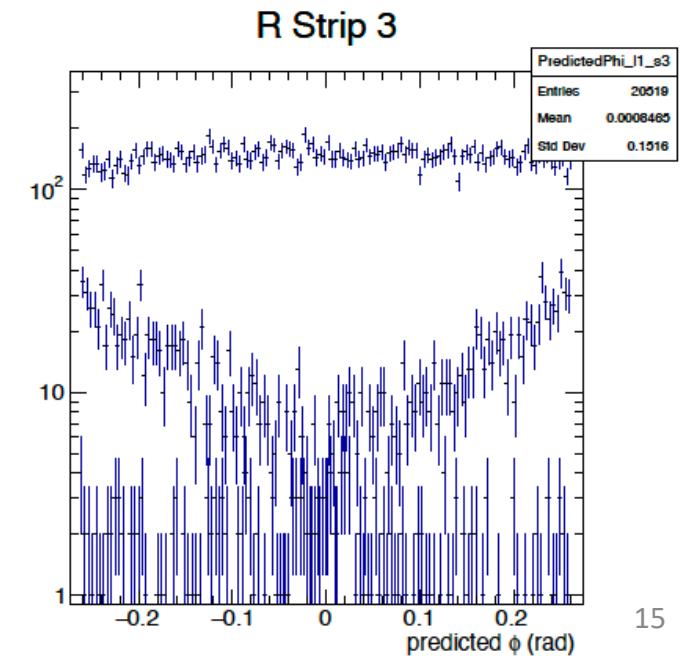
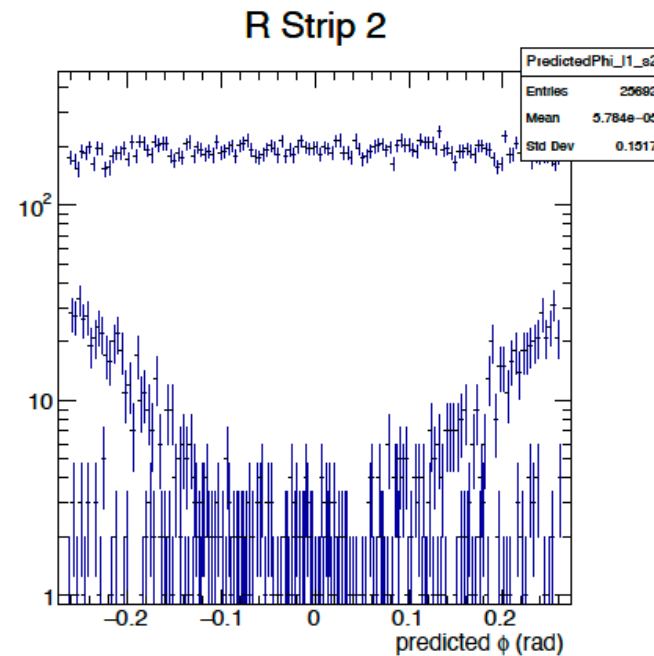
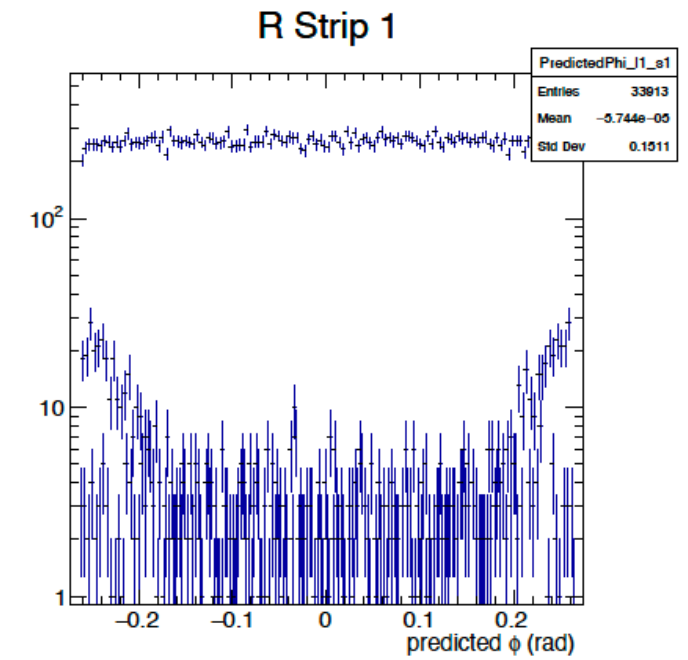
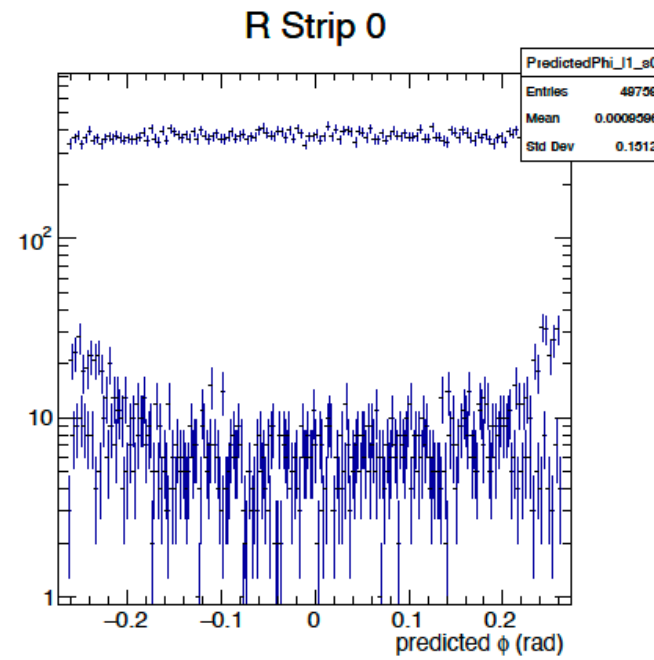
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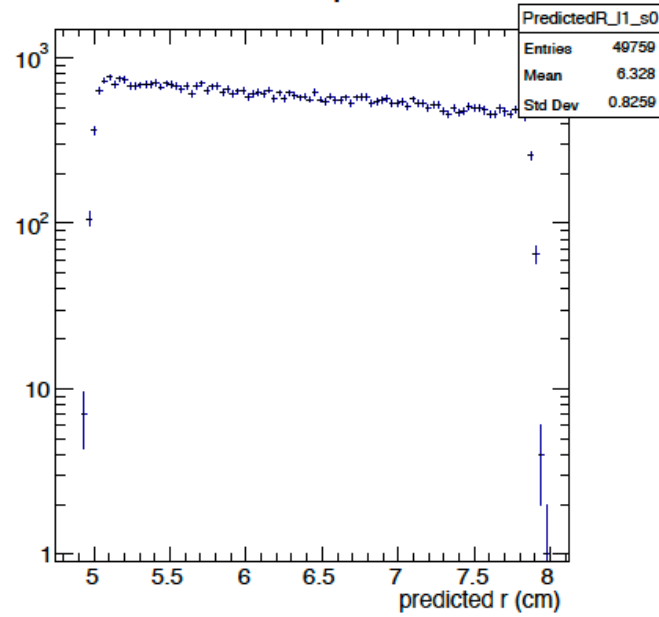


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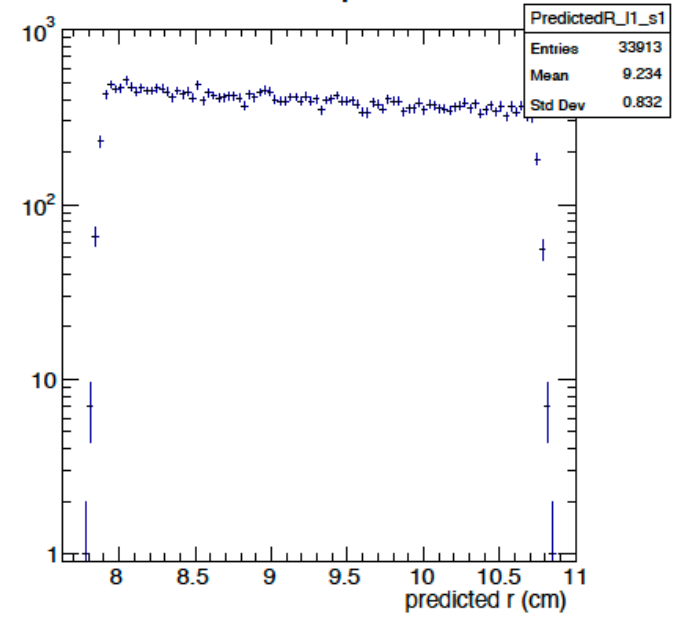


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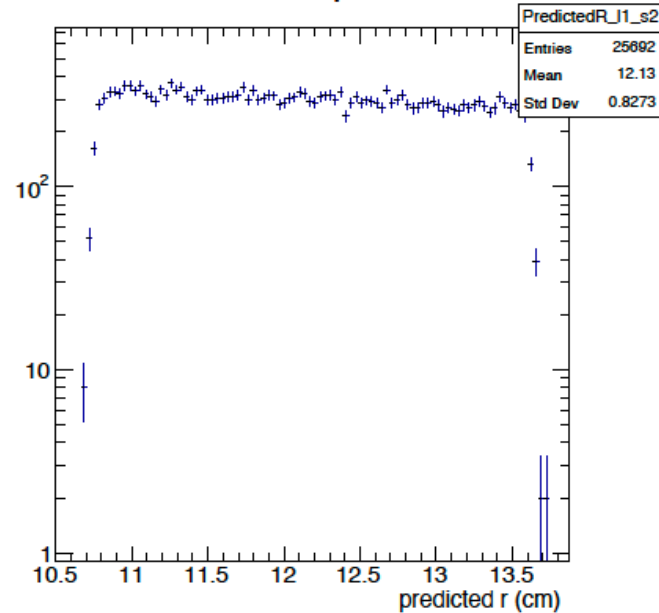
R Strip 0



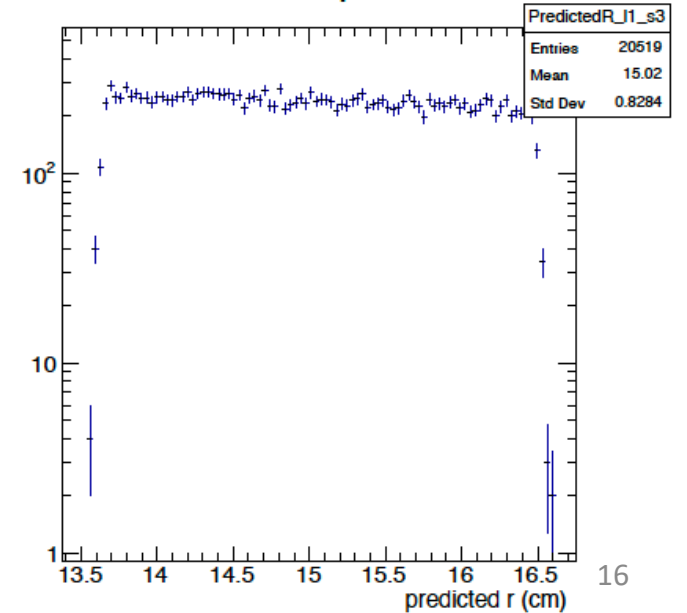
R Strip 1



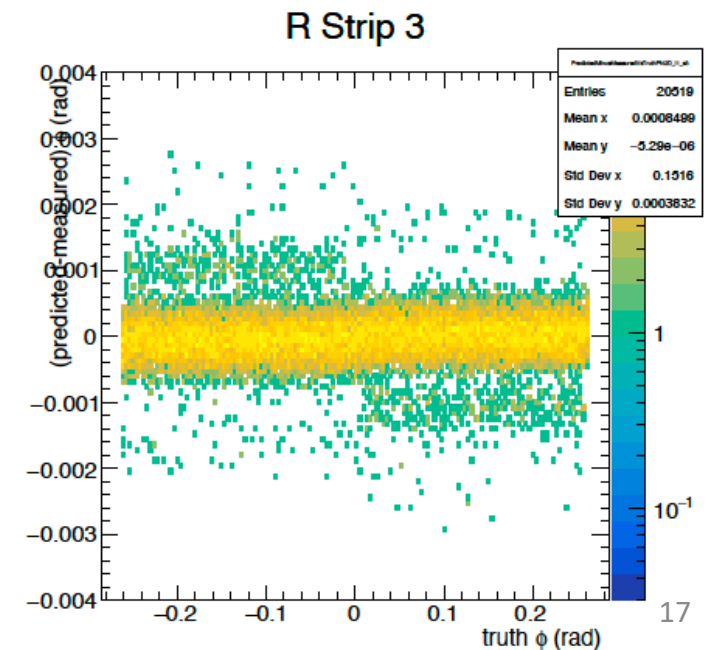
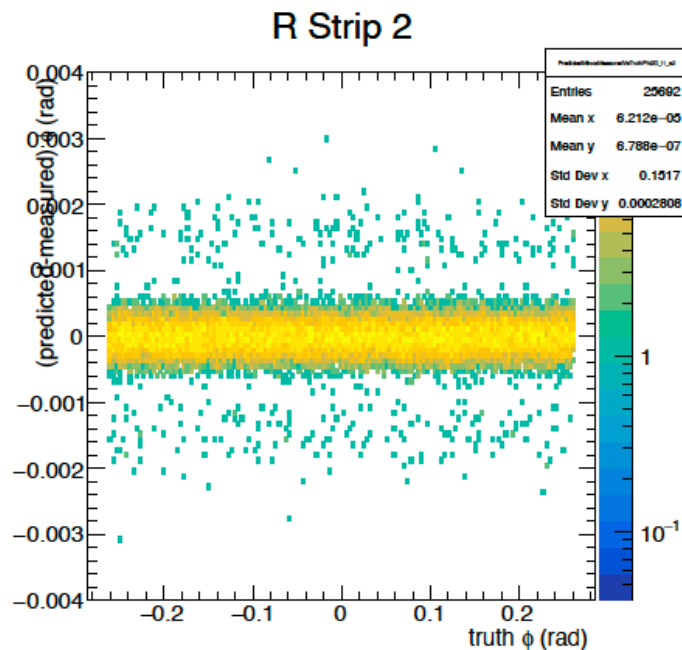
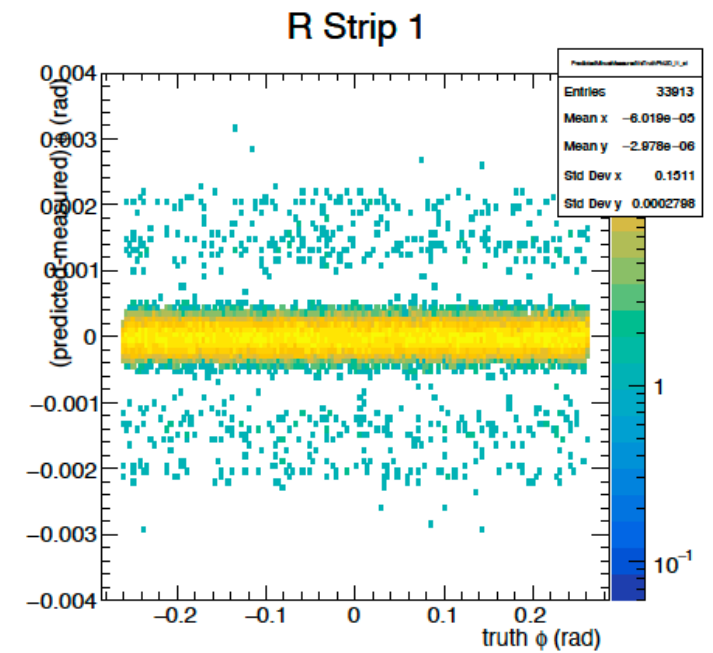
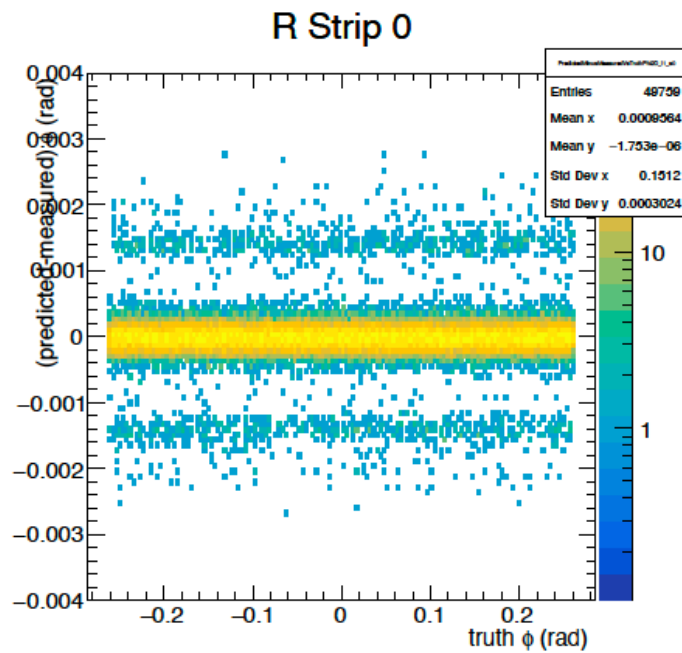
R Strip 2



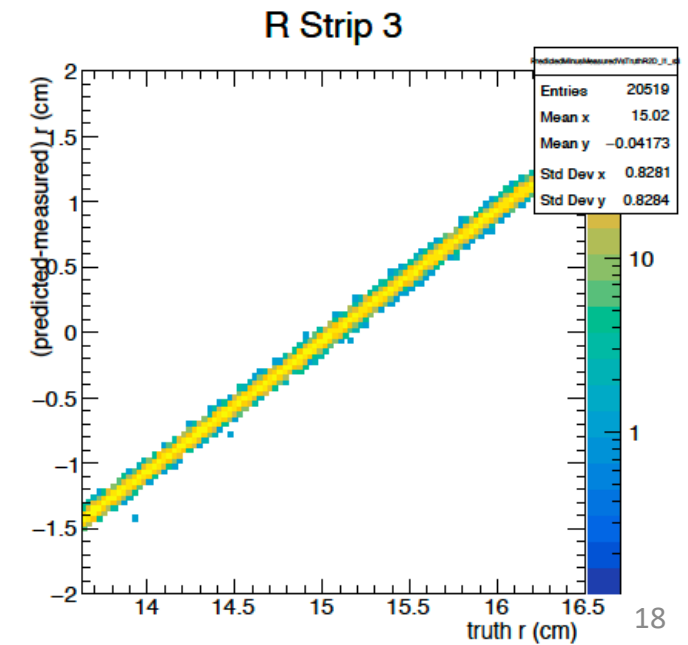
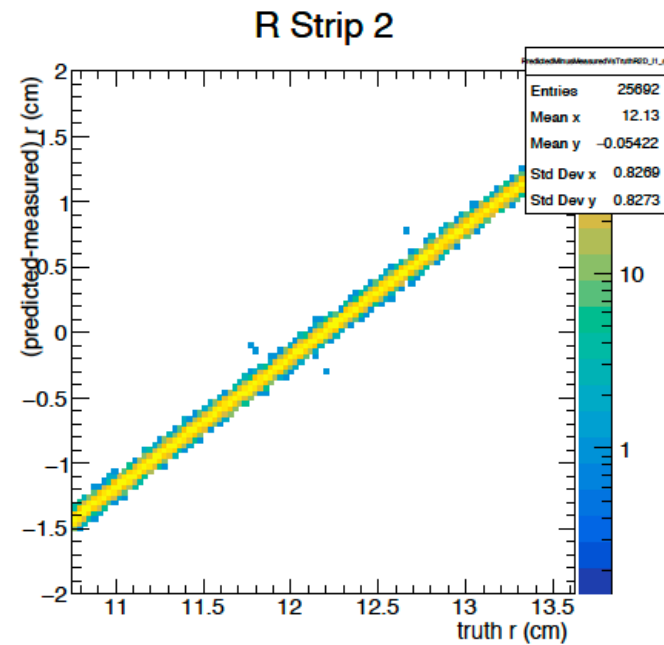
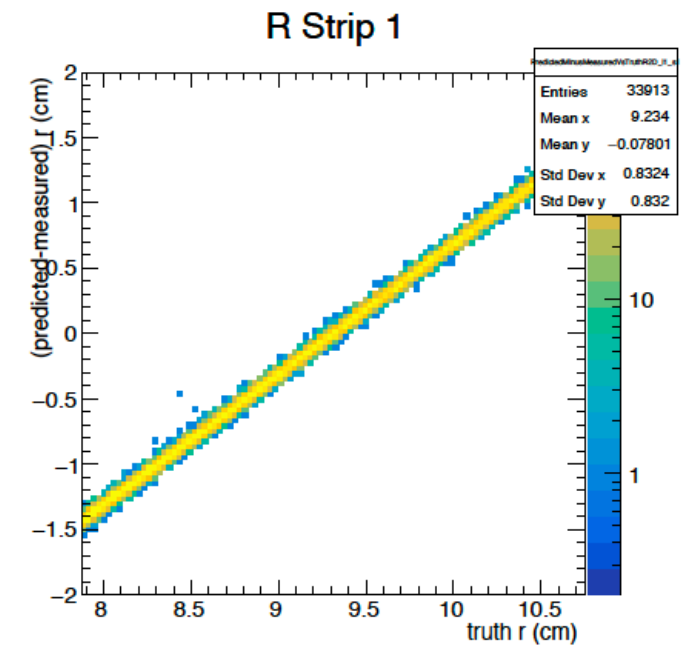
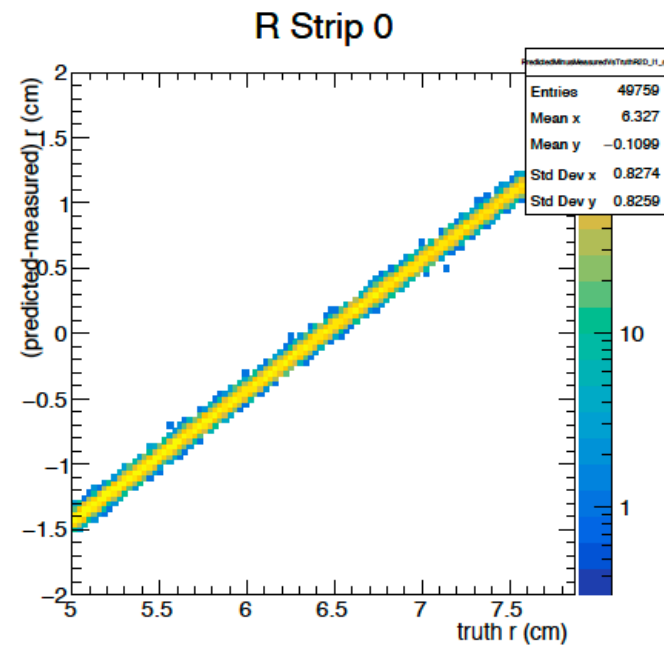
R Strip 3



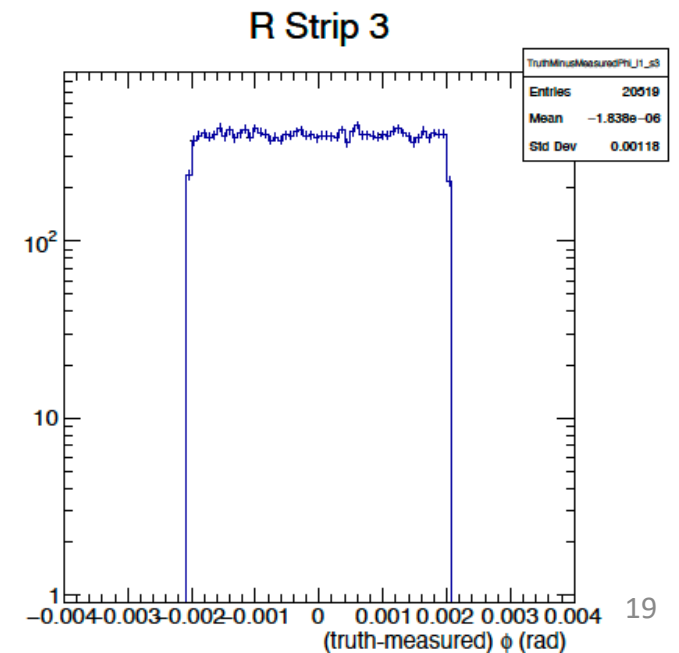
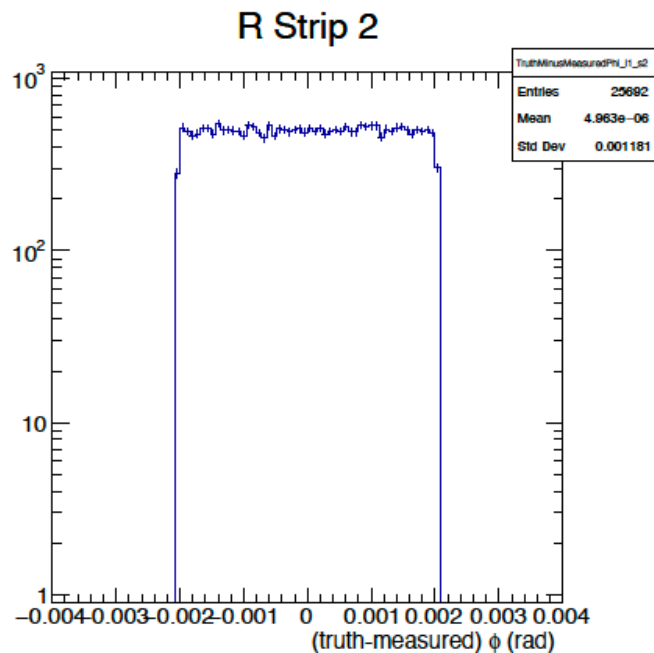
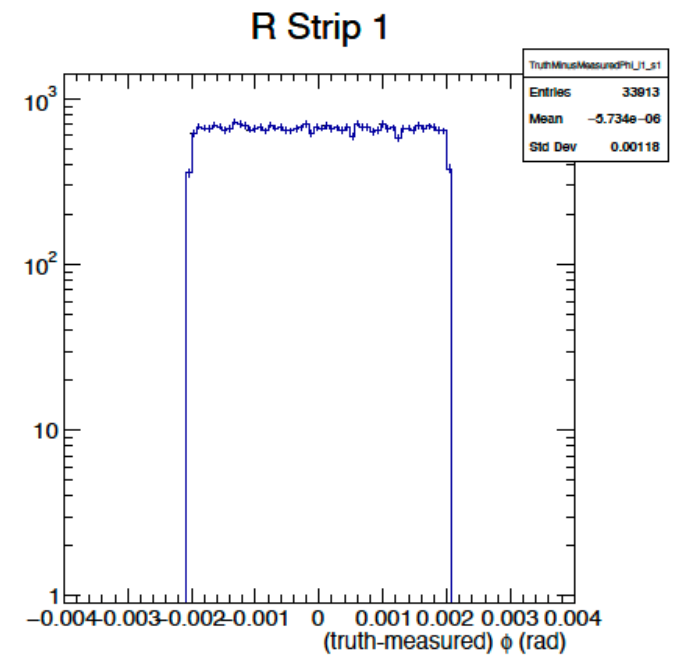
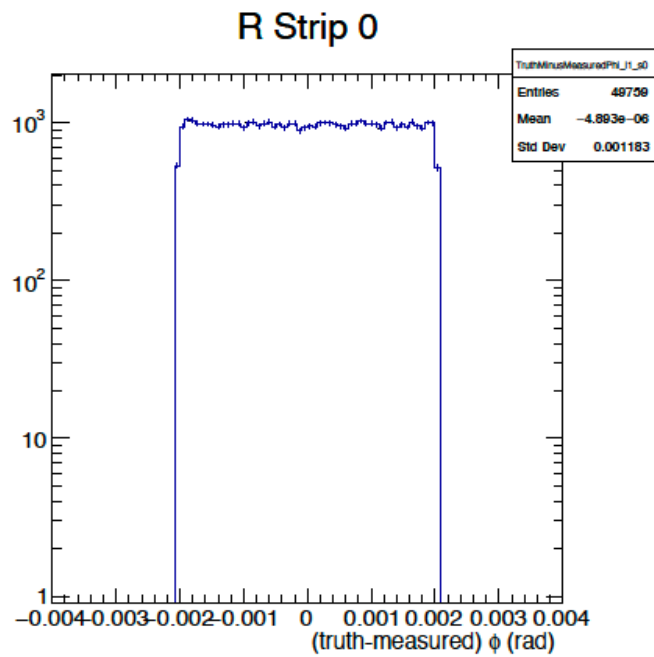
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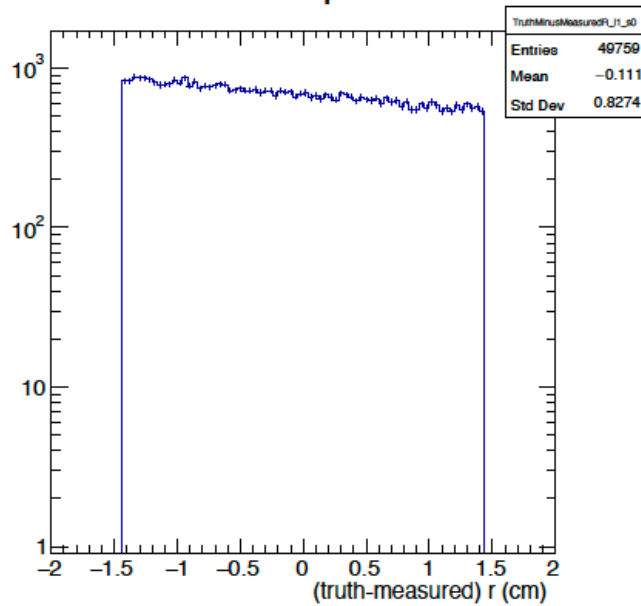


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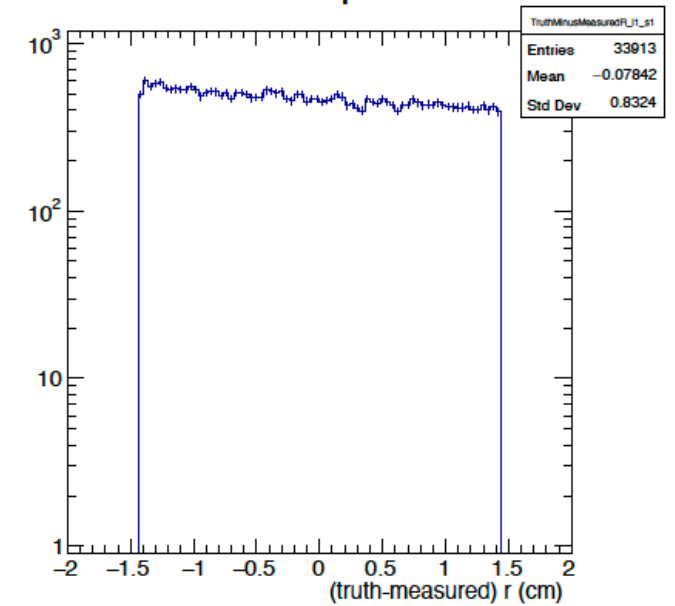


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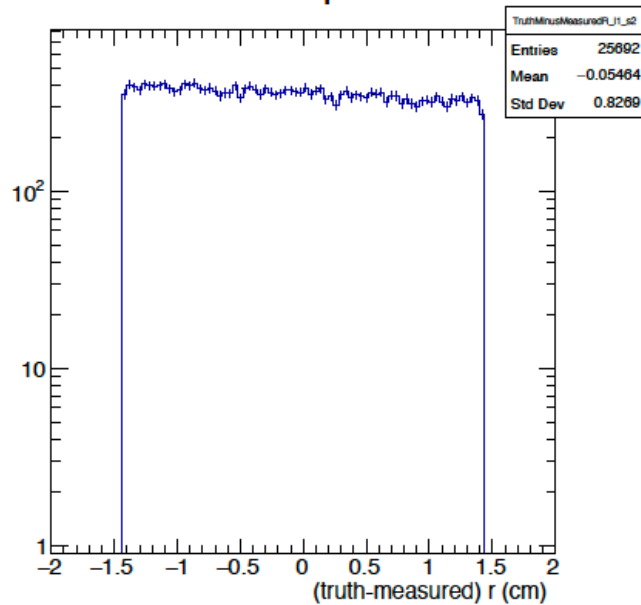
R Strip 0



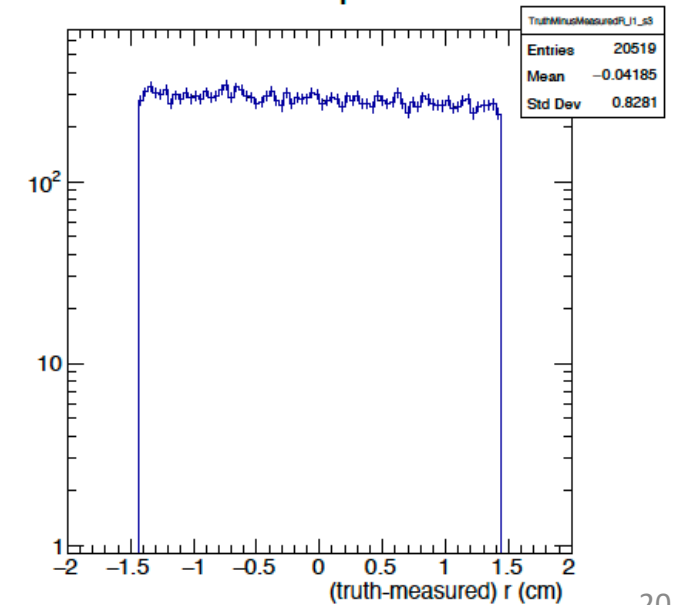
R Strip 1



R Strip 2

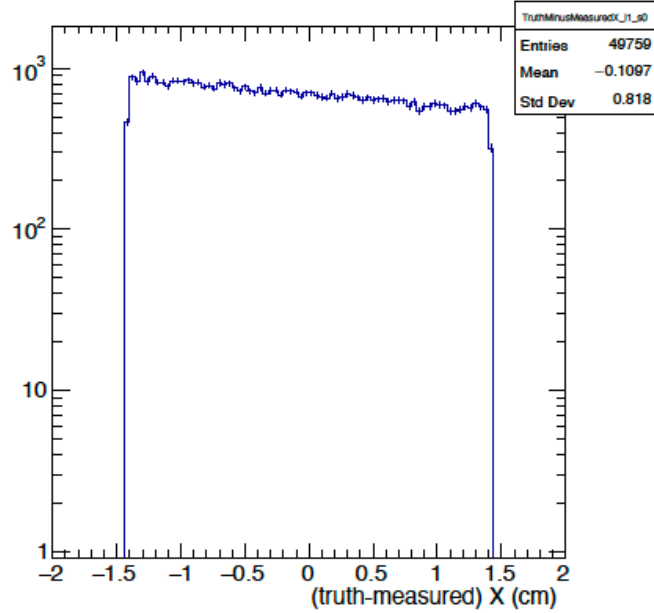


R Strip 3

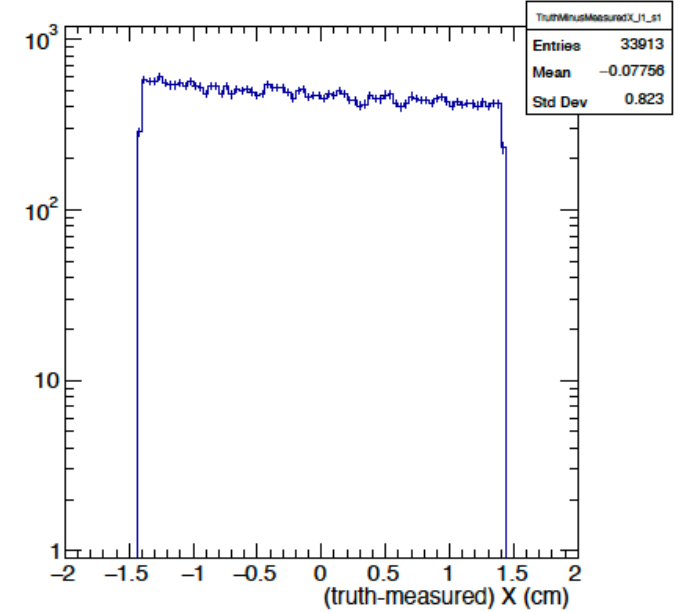


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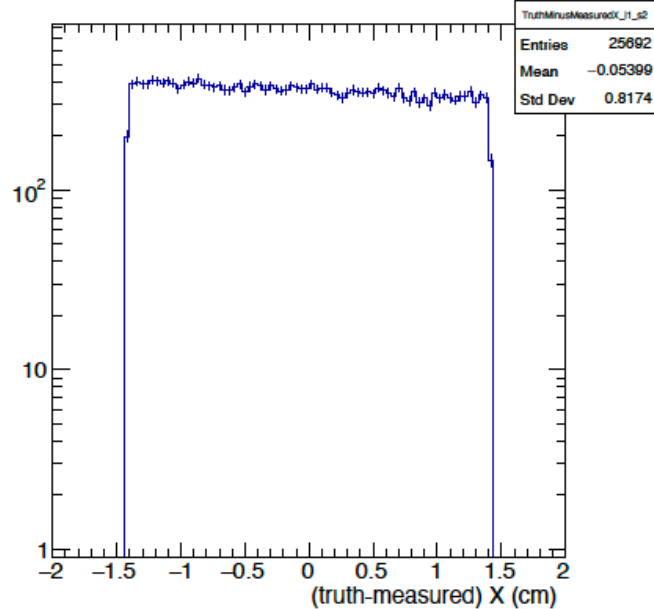
R Strip 0



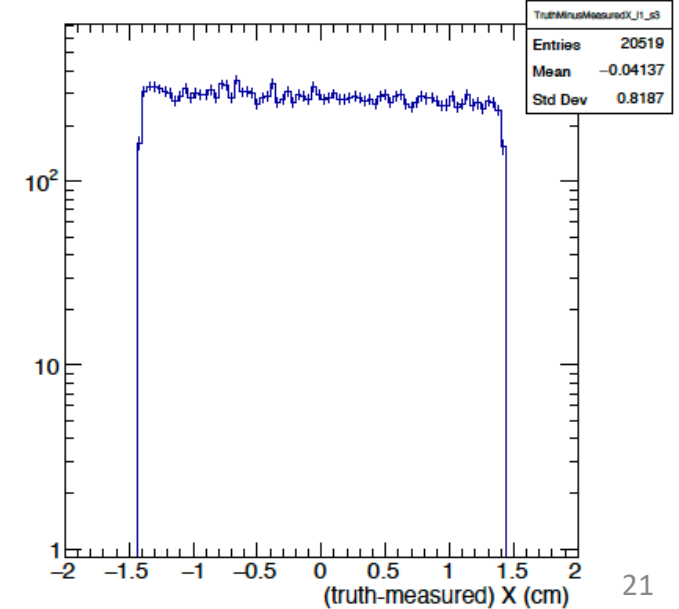
R Strip 1



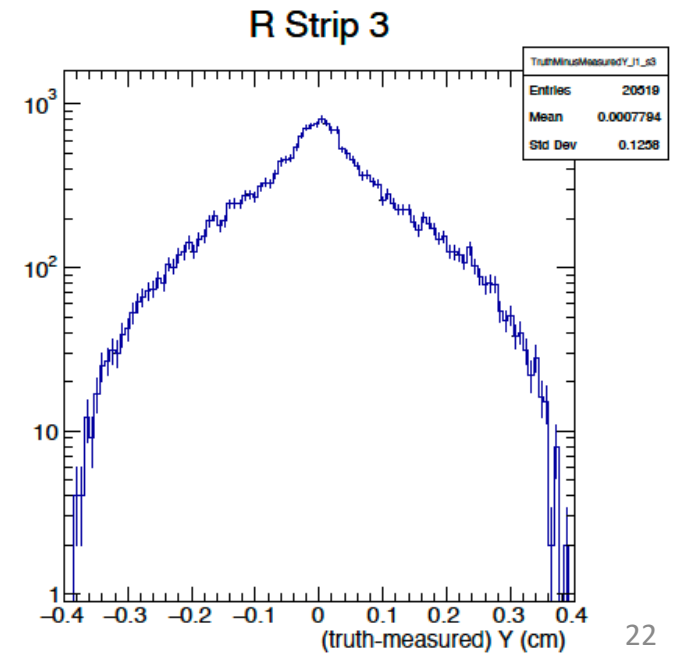
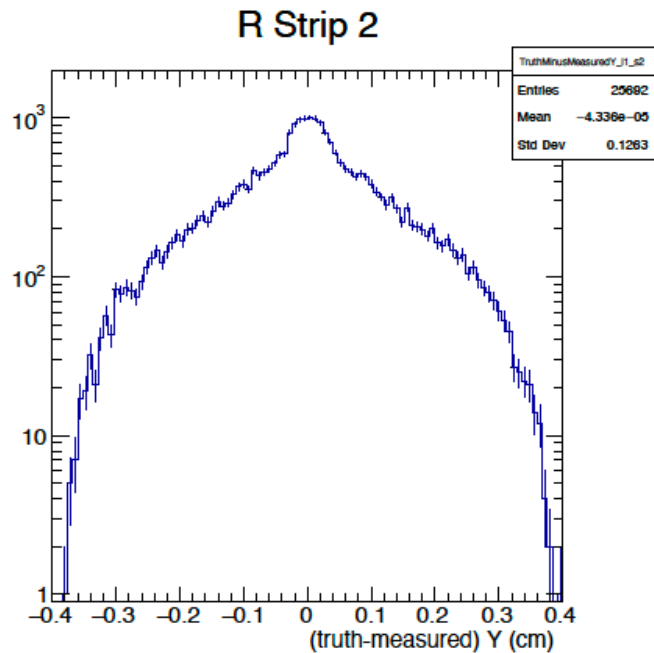
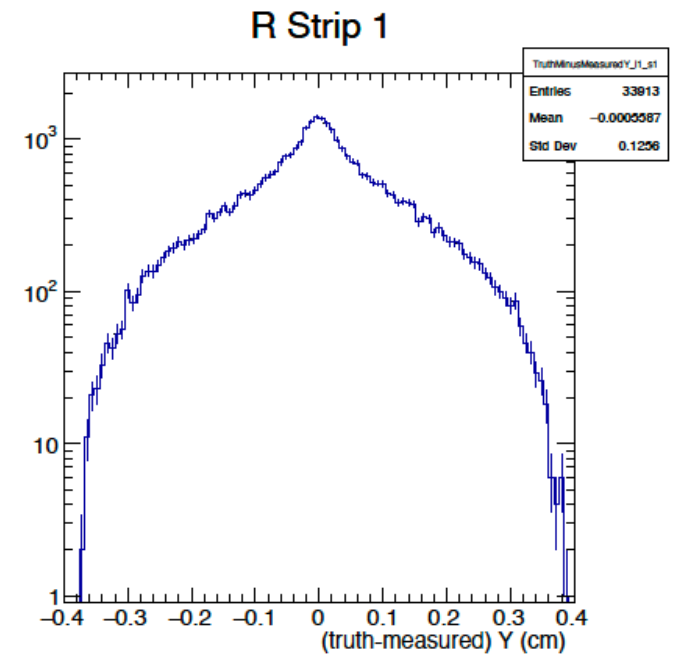
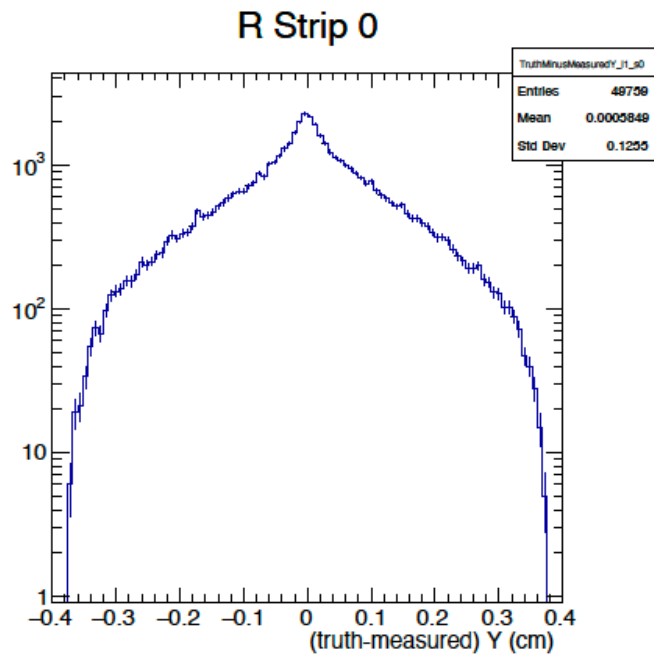
R Strip 2



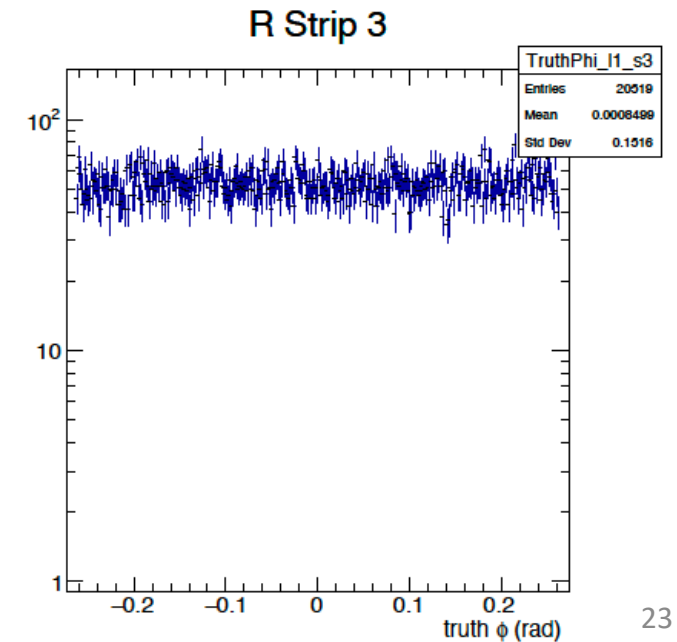
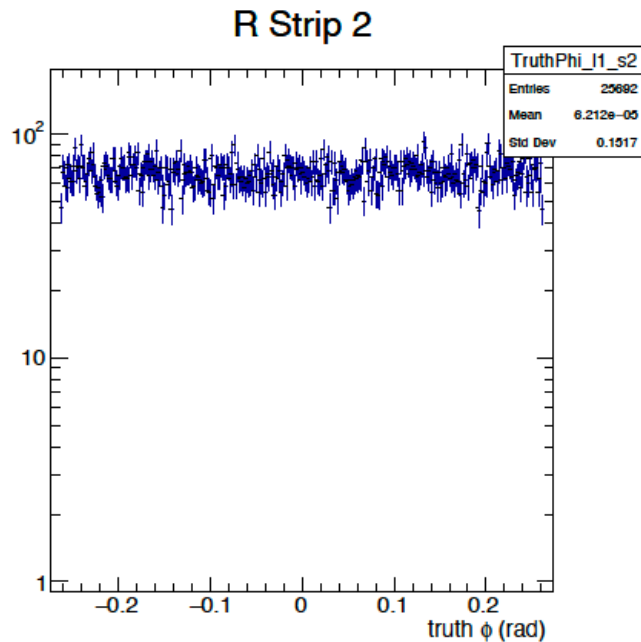
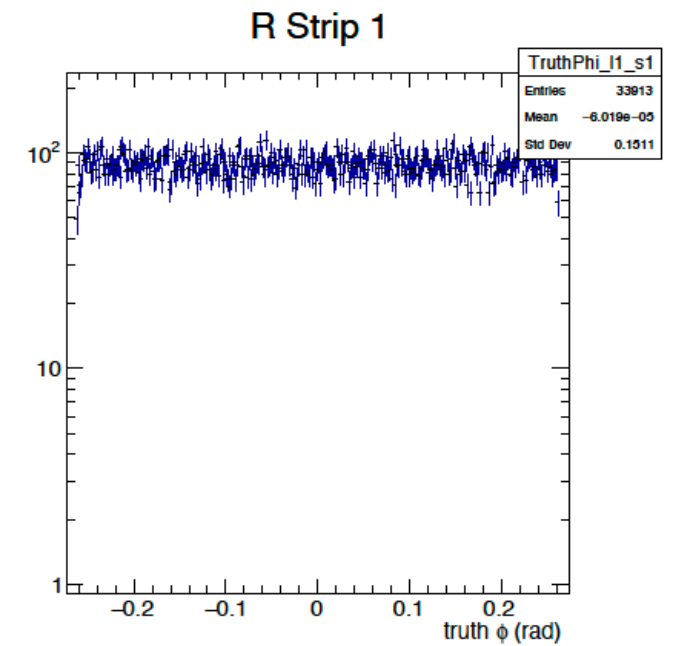
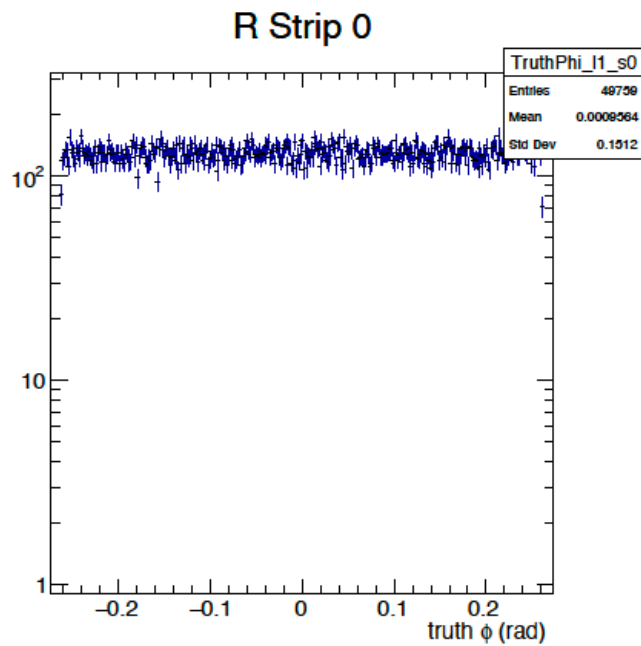
R Strip 3



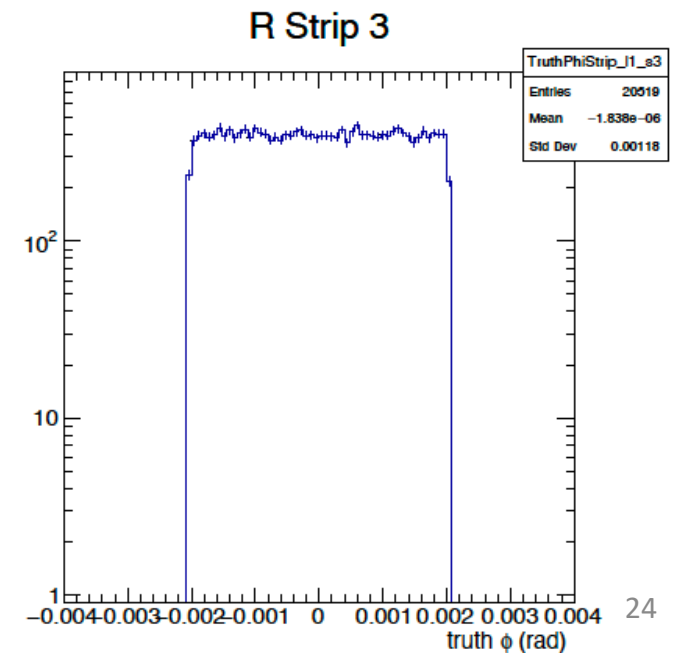
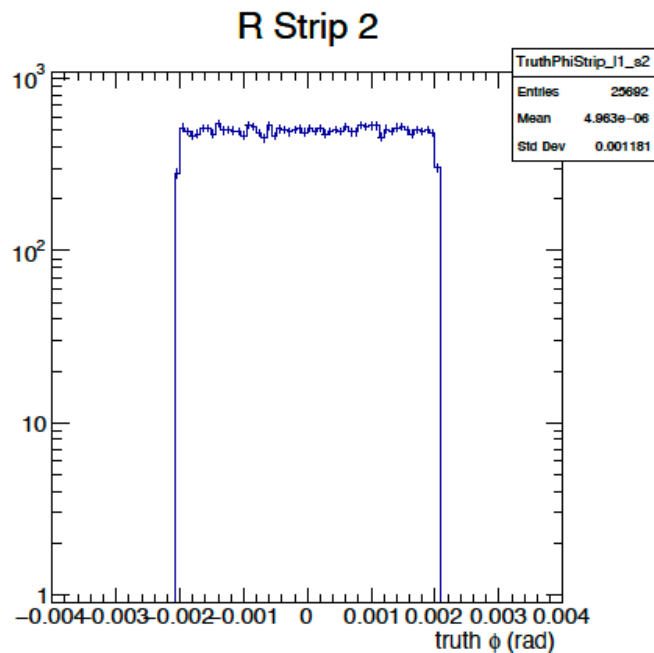
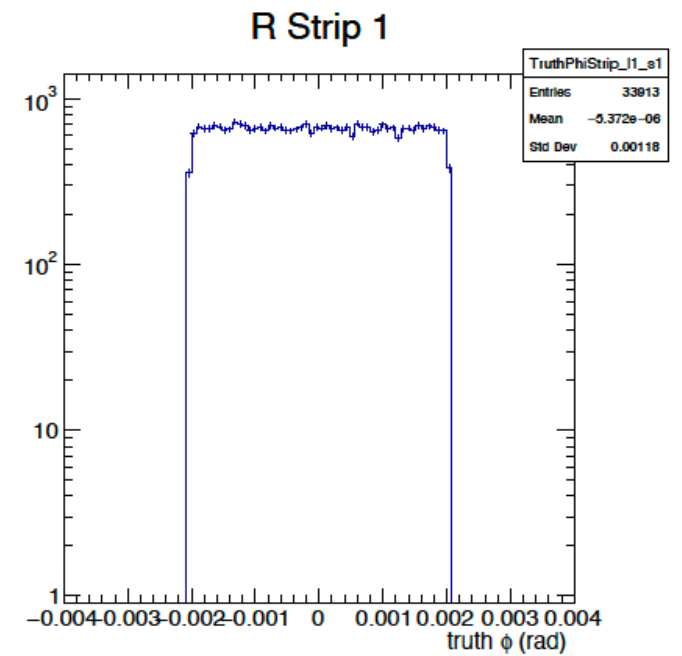
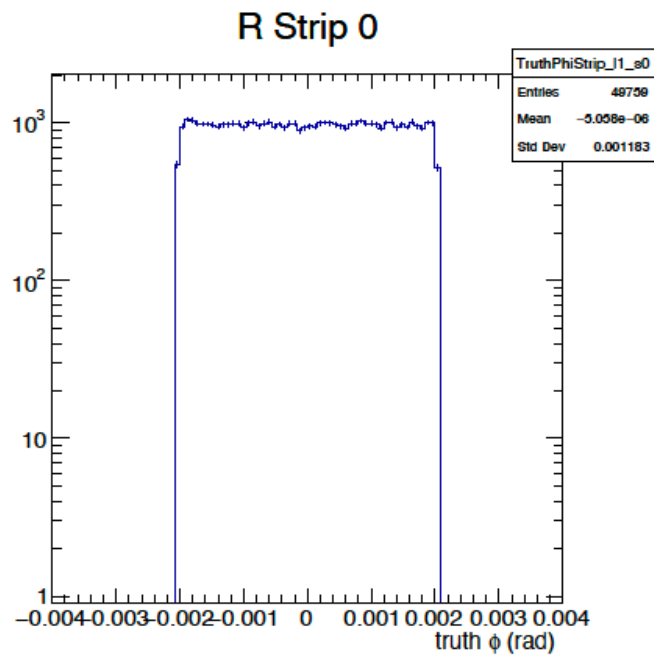
- Middle plane inner sensor 36.
- $4.99 < p_T < 5.0 \text{ GeV}/c$
- $0.9 < \phi < 1.7 \text{ rad}$
- $2.9 < \eta < 4.4$
- no misalignment



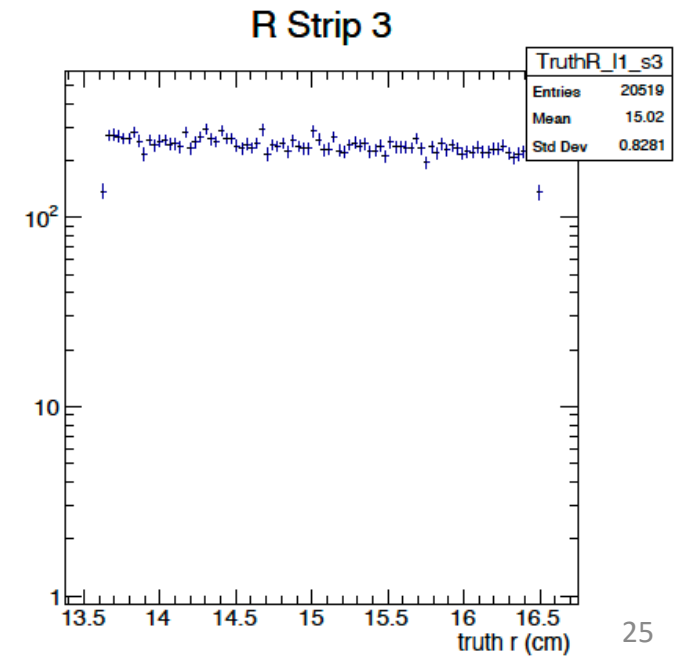
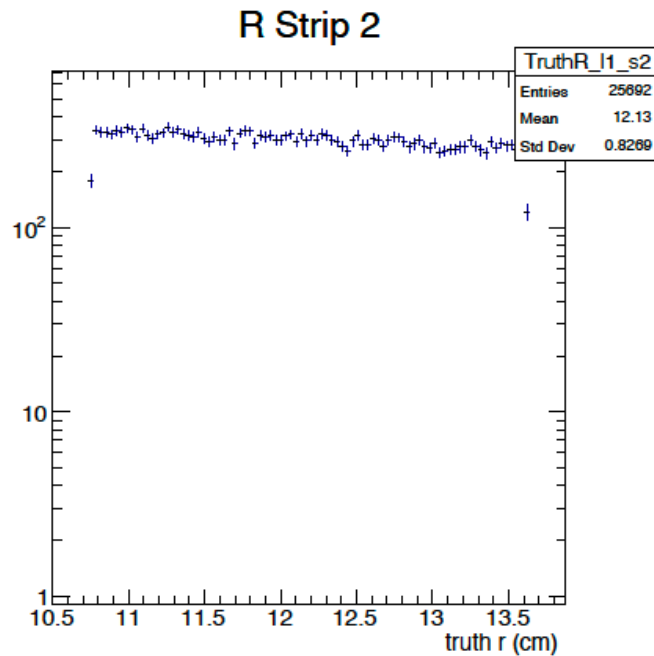
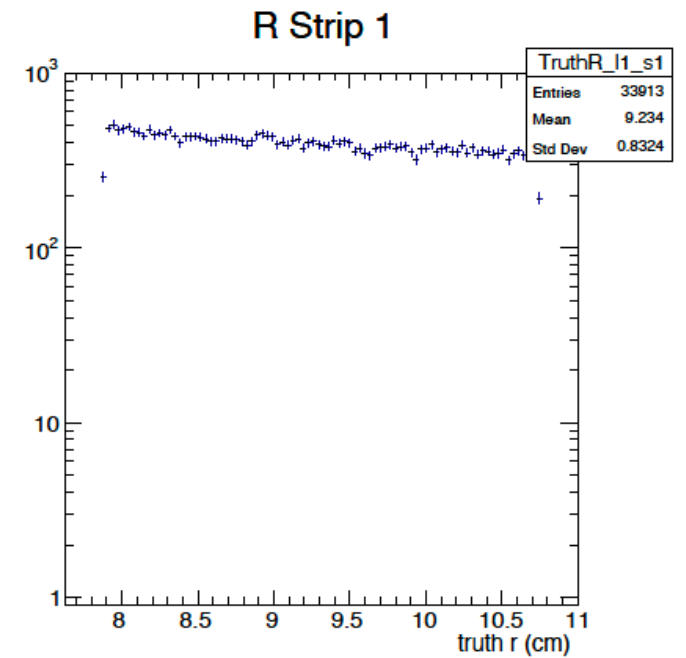
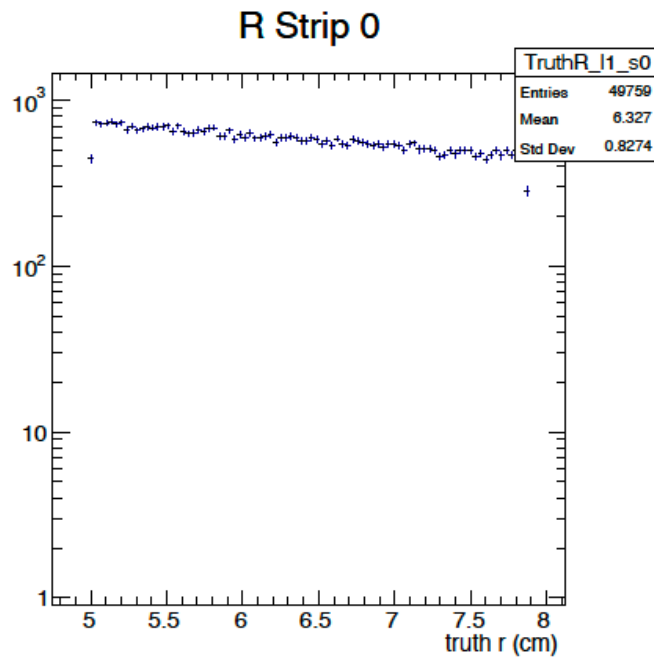
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- no misalignment



Things to try and other info

- Daniel asked me to try iterating the Millepede alignment procedure once,
- Still waiting for sTGC misaligned geometry to compare performance of Millepede with cartesian and polar detectors.