Varying Calibrations and Hodoscope Cuts

Second Energy Scan Runs

Energy	UIUC Run	THP Run
1 GeV	2298	N/A
2 GeV	2268	2269
3 GeV	2260	2264
4 GeV	2255	2257
6 GeV	2247	2249
8 GeV	2295	2288
12 GeV	2276	2278
16 GeV	2280	2284

Cuts:

- Cherenkov: abs(C2_inner_t + C2_outer_t) > 100
- Veto: Veto1_t < 15 || Veto2_t < 15 || Veto3_t < 15 || Veto4_t < 15

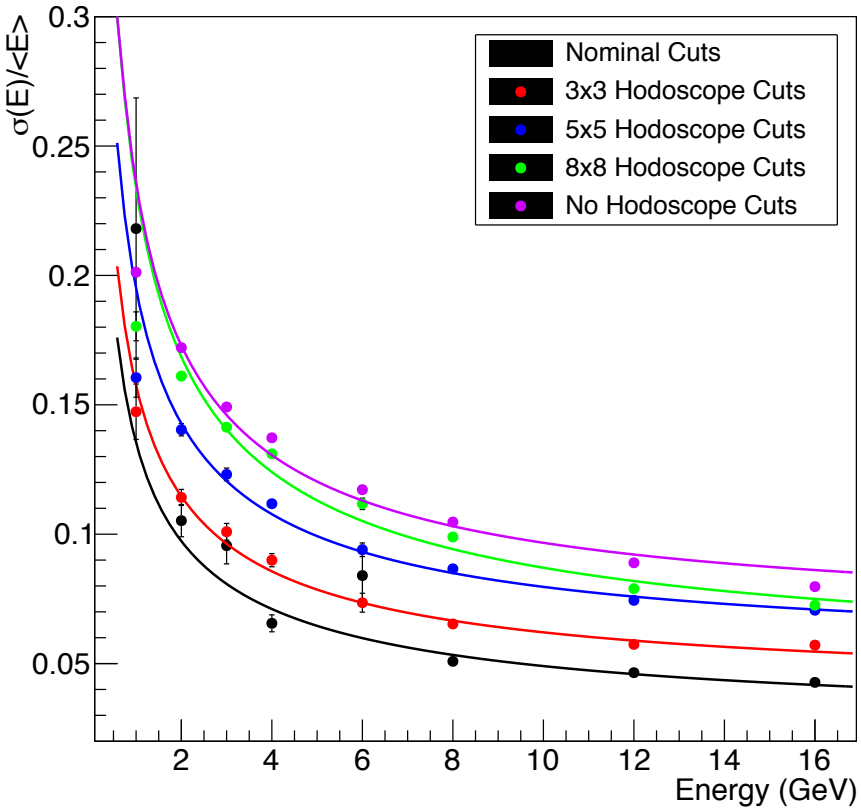
Hodoscope Cuts

Horizontal	UIUC	THP
Nominal	5,6	3,4
3x3	4,5,6	2,3,4
5x5	3,4,5,6,7	1,2,3,4,5
8x8	0,1,2,3,4,5,6,7	0,1,2,3,4,5,6,7

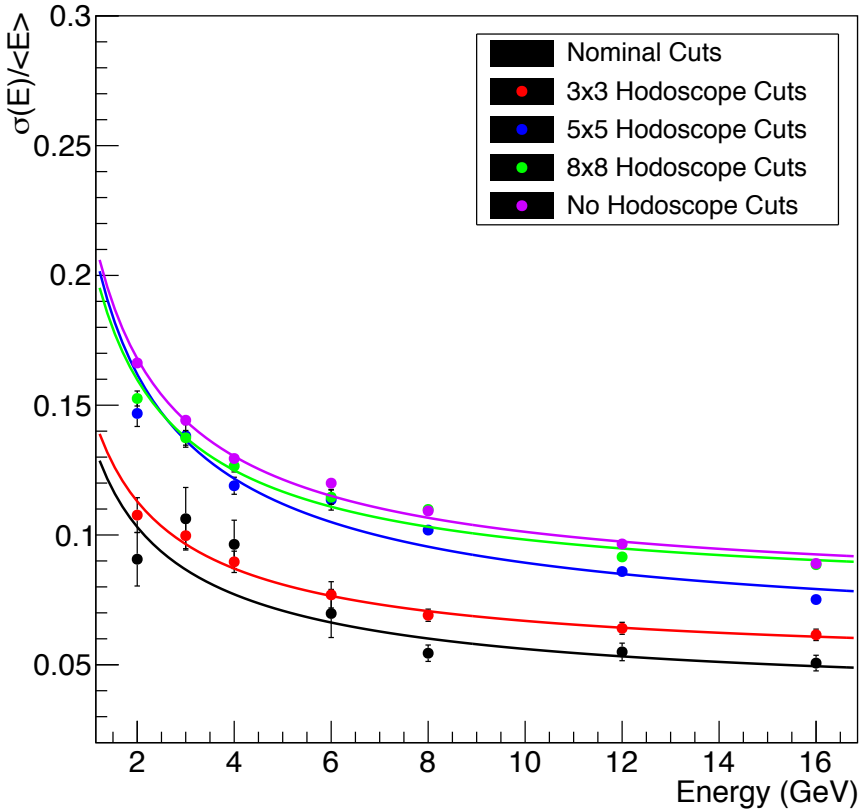
Vertical	UIUC	THP
Nominal	3	2,3
3x3	2,3,4	2,3,4
5x5	1,2,3,4,5	1,2,3,4,5
8x8	0,1,2,3,4,5,6,7	0,1,2,3,4,5,6,7

Event passes cut if at least one of the selected hodoscope fingers has a value above 30

UIUC and THP Calibration Set 2



UIUC

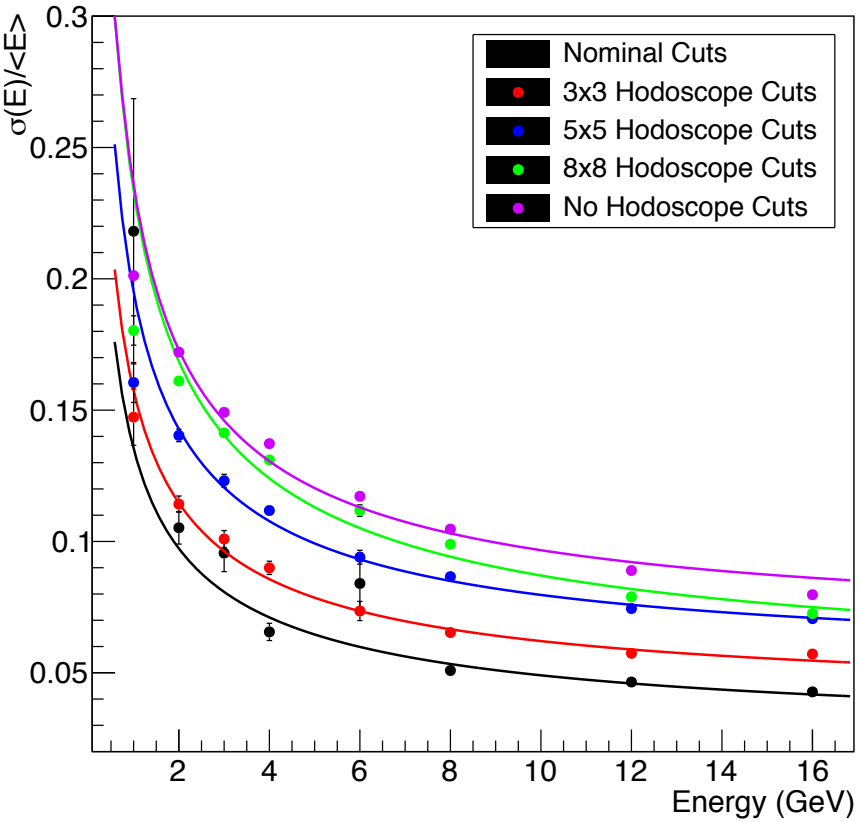


THP

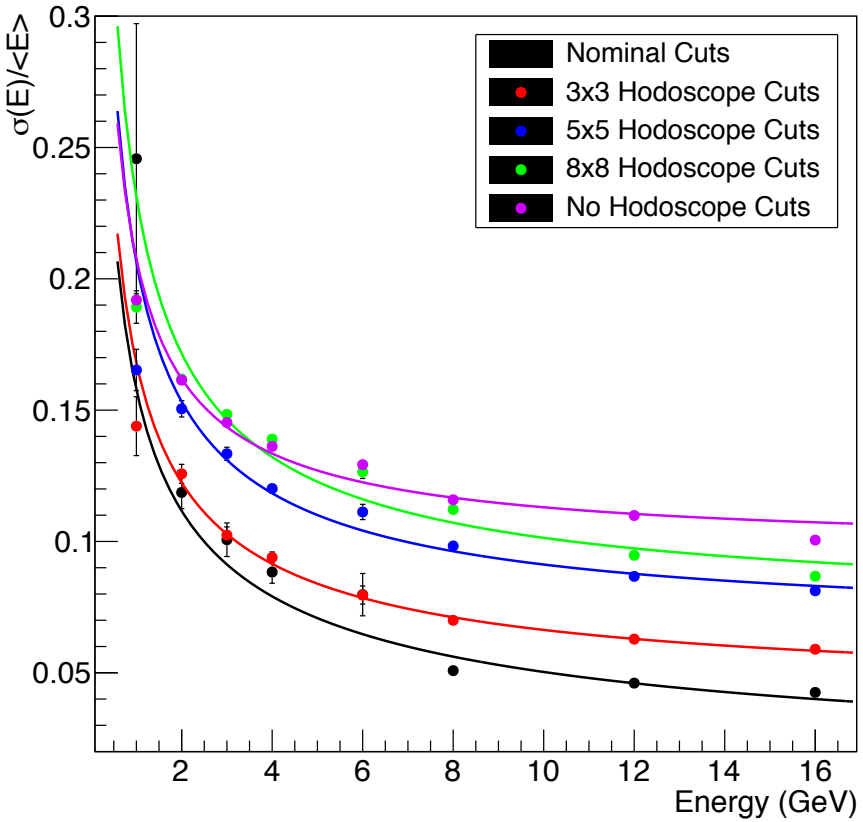
UIUC and THP Calibration Set 2

Hodoscope Cuts	UIUC Resolution	THP Resolution
Nominal	2.52727% + 13.2884%/√E	3.57127% + 13.6737%/√E
3x3	3.91241% + 15.2387%/√E	4.90477% + 14.3864%/√E
5x5	5.32394% + 18.731%/√E	5.84769% + 21.3505%/√E
8x8	4.86933% + 22.8121%/√E	7.53295% + 19.9307%/√E
None	6.49093% + 22.6552%/√E	7.58532% + 21.1919%/√E

UIUC Calibration Set 2 and Set 4



Calibration Set 2



Calibration Set 4

UIUC Calibration Set 2 and Set 4

Hodoscope Cuts	Set 2 Resolution	Set 4 Resolution
Nominal	2.59713% + 13.5064%/√E	0.69677% + 15.757%/√E
3x3	3.98396% + 15.1664%/√E	4.18861% + 16.2606%/√E
5x5	5.03709% + 19.3137%/√E	6.73125% + 19.4676%/√E
8x8	4.62765% + 23.5447%/√E	7.40978% + 21.8812%/√E
None	6.39118% + 23.1372%/√E	9.7004% + 18.335%/√E