

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the slide, framing the central text. The shapes include triangles and polygons, some with thin white outlines, creating a modern, layered effect.

Hawc Meeting October 3rd

Brendan Boyd

Finer tuned cuts

- ▶ Instead of trying 100x100 cuts to find the optimal cut tried to use 1000x1000
 - ▶ Was hoping the added precision would get my cuts closer to John's
- ▶ Result: most cuts were closer except for four bins

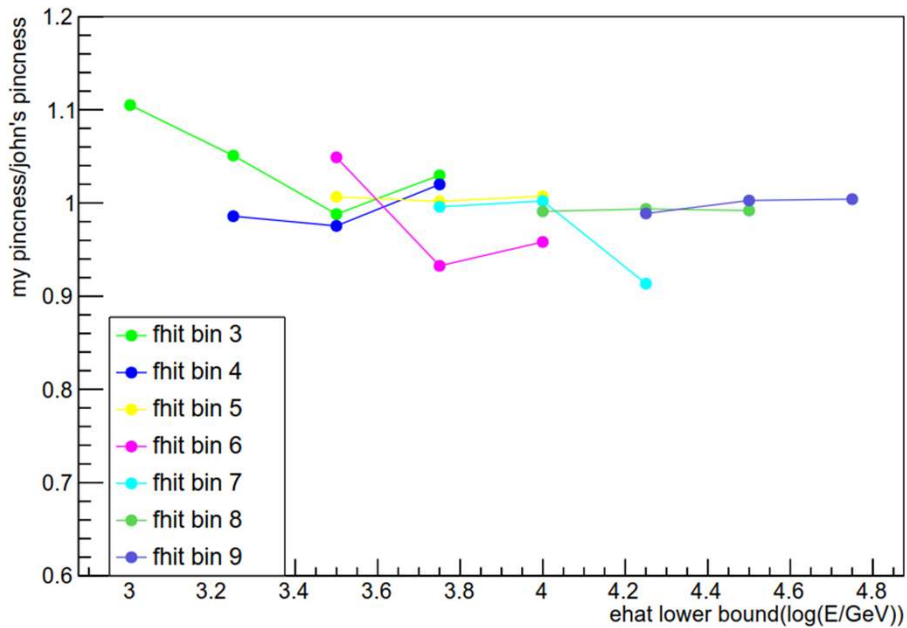


100x100 analysis vs 1000x1000 pincness

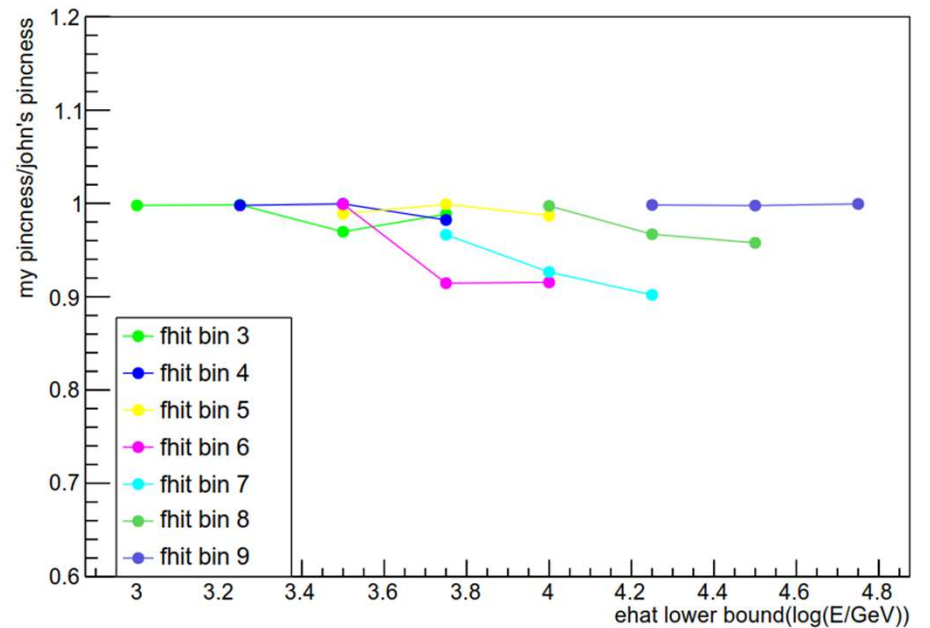
fhitSP20 6 ebin5 - $10^{3.75}$
fhitSP20 6 ebin6 - $10^{4.00}$

fhitSP20 7 ebin6 - $10^{4.00}$
fhitSP20 7 ebin7 - $10^{4.25}$

ratio of pincness 100x100



ratio of pincness 1000x1000

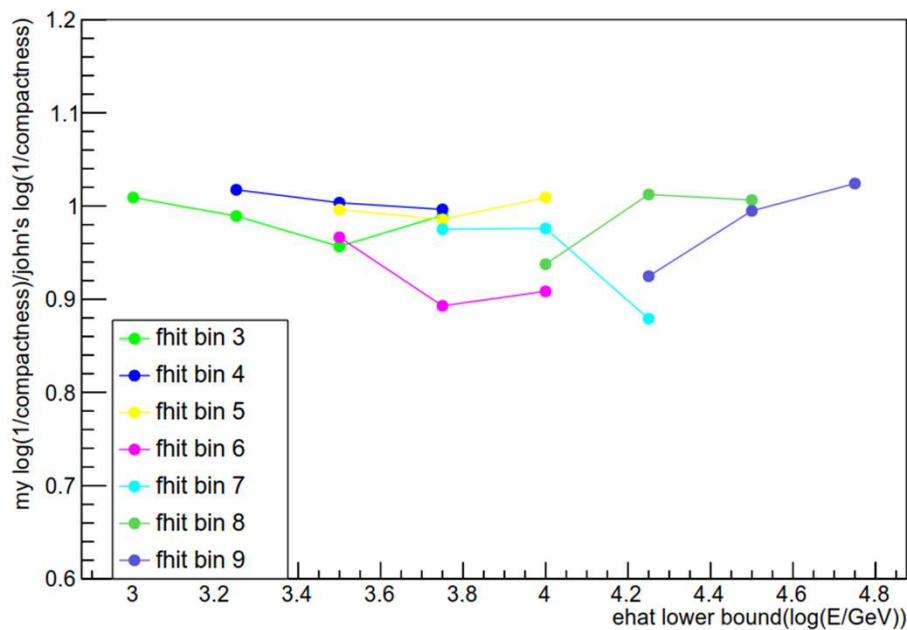


100x100 analysis vs 1000x1000 log(1/compactness)

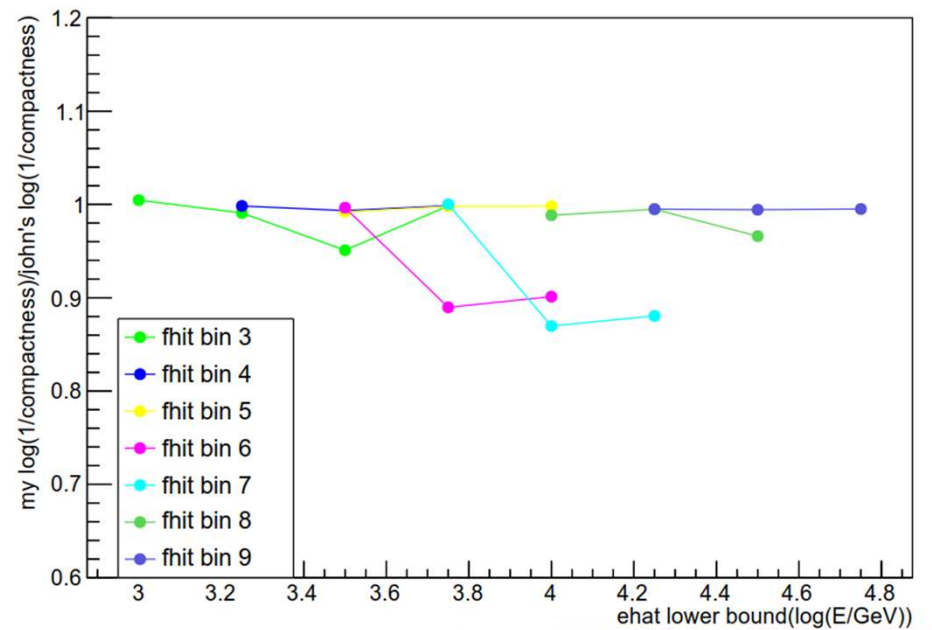
fhitSP20 6 ebin5 - $10^{3.75}$
fhitSP20 6 ebin6 - $10^{4.00}$

fhitSP20 7 ebin6 - $10^{4.00}$
fhitSP20 7 ebin7 - $10^{4.25}$

ratio of log(1/compactness) 100x100

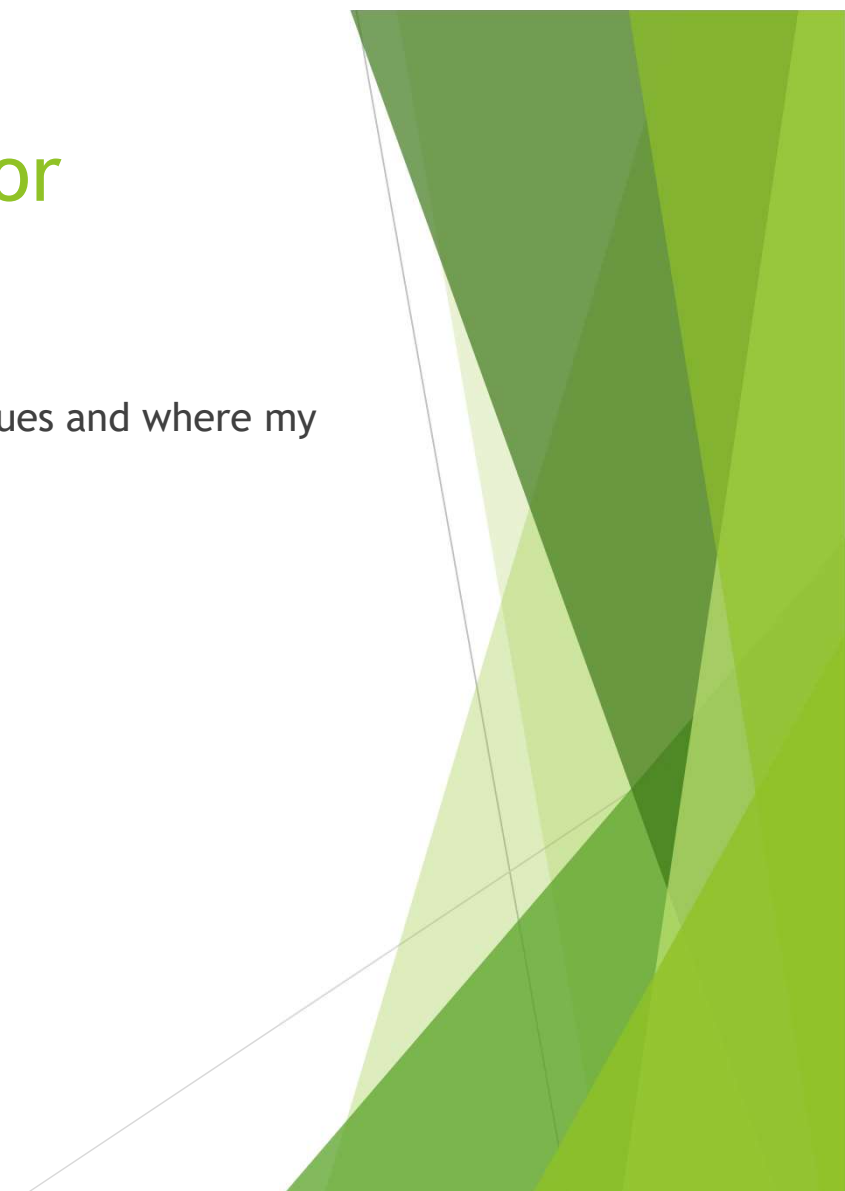


ratio of log(1/compactness) 1000x1000



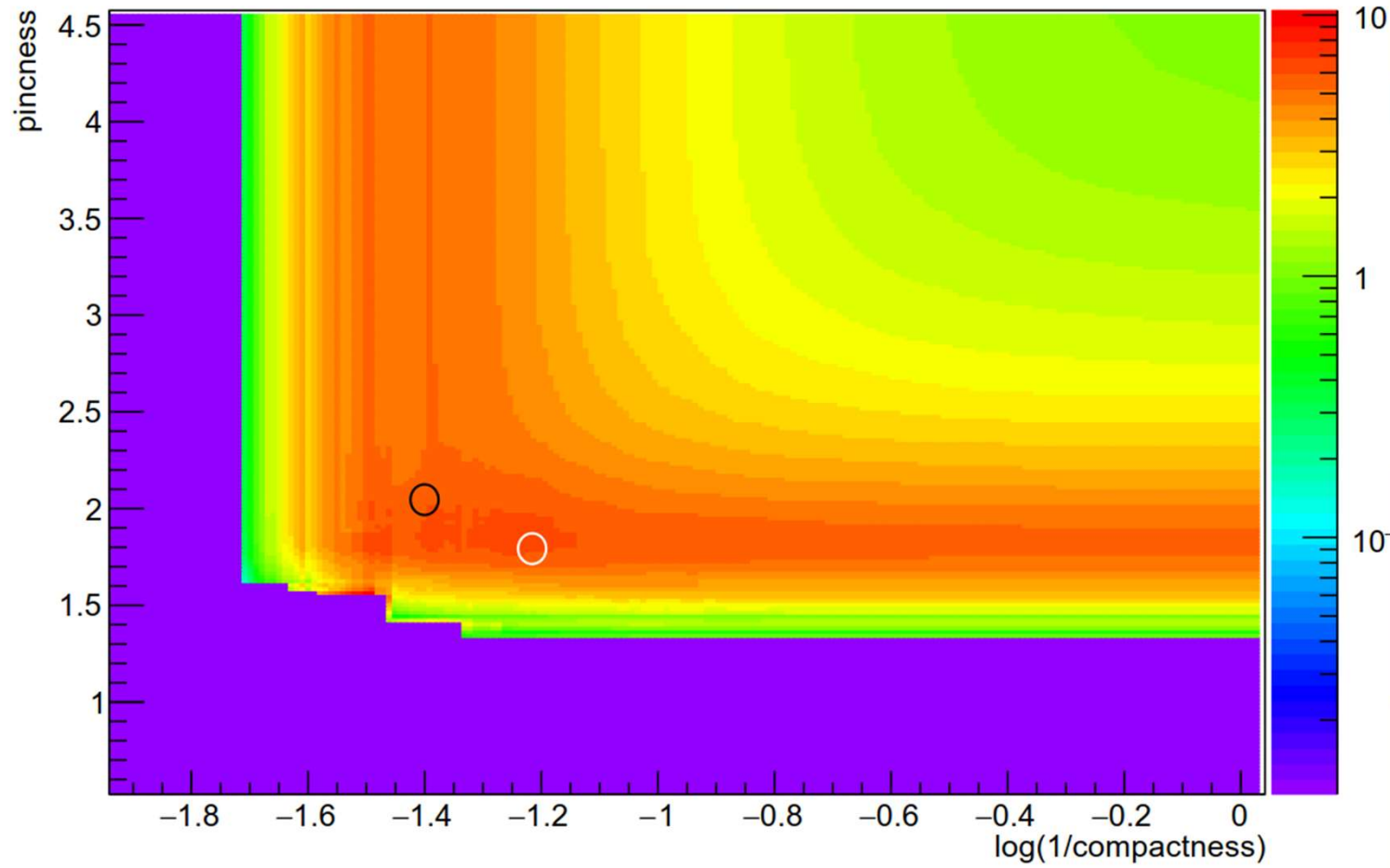
Looking at Distribution of Qfactor

- ▶ Want to see how the Q factor changes with different cut values and where my cuts were compared to where john's are.



Fbin 6 Ebin 5

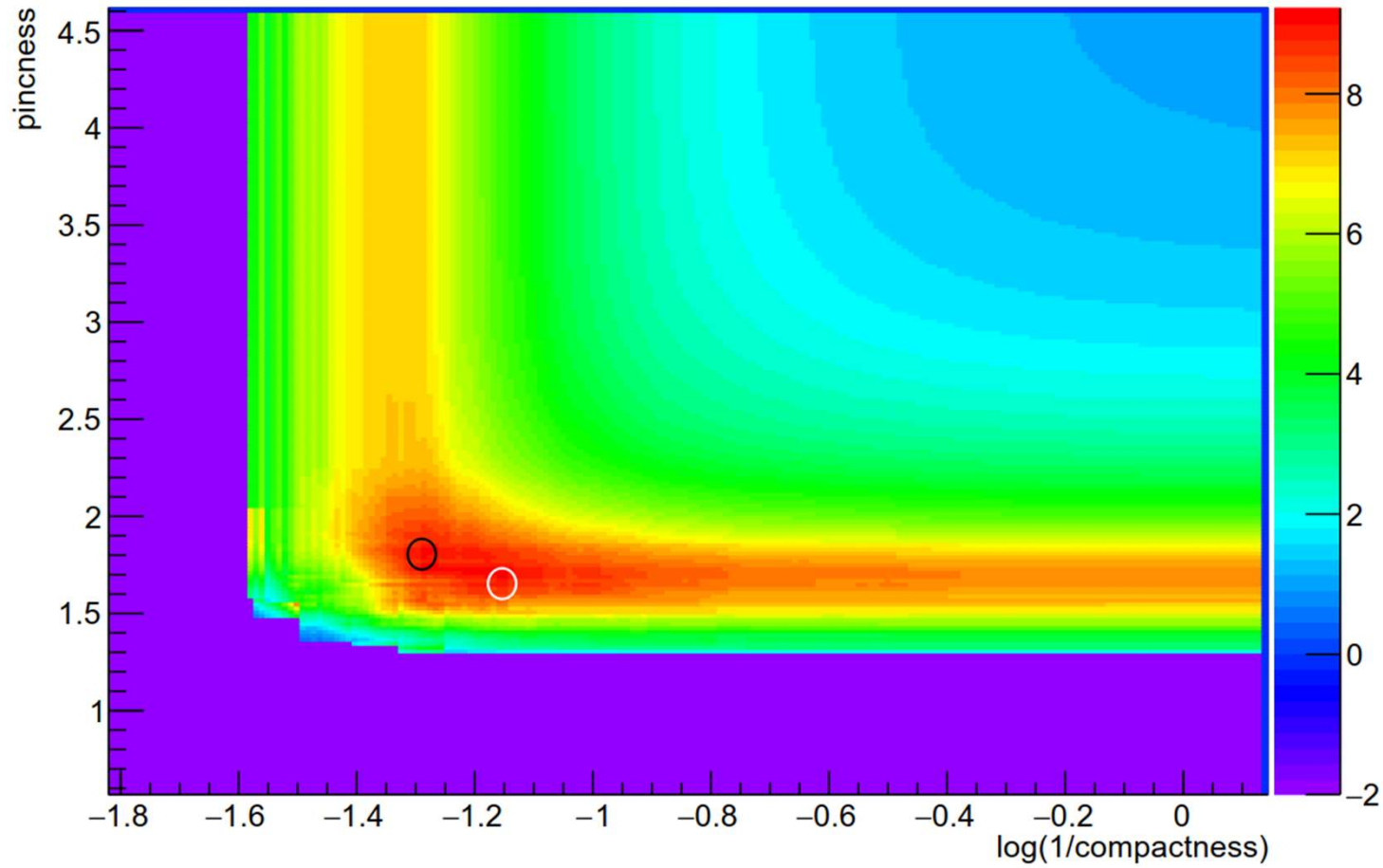
Qfactor



Black is John's cut
White is mine

Fbin 7 Ebin 6

Qfactor



Black is John's cut
White is mine