

# C4 Cherenkov Project—Status...

What should C4 accomplish?...

Some pretty pictures...

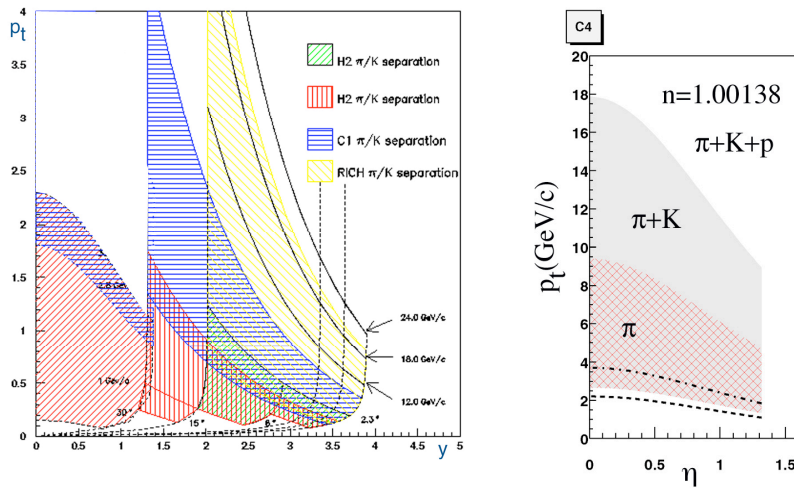
Initial peek at the data...

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BRAHMS C4 Cherenkov

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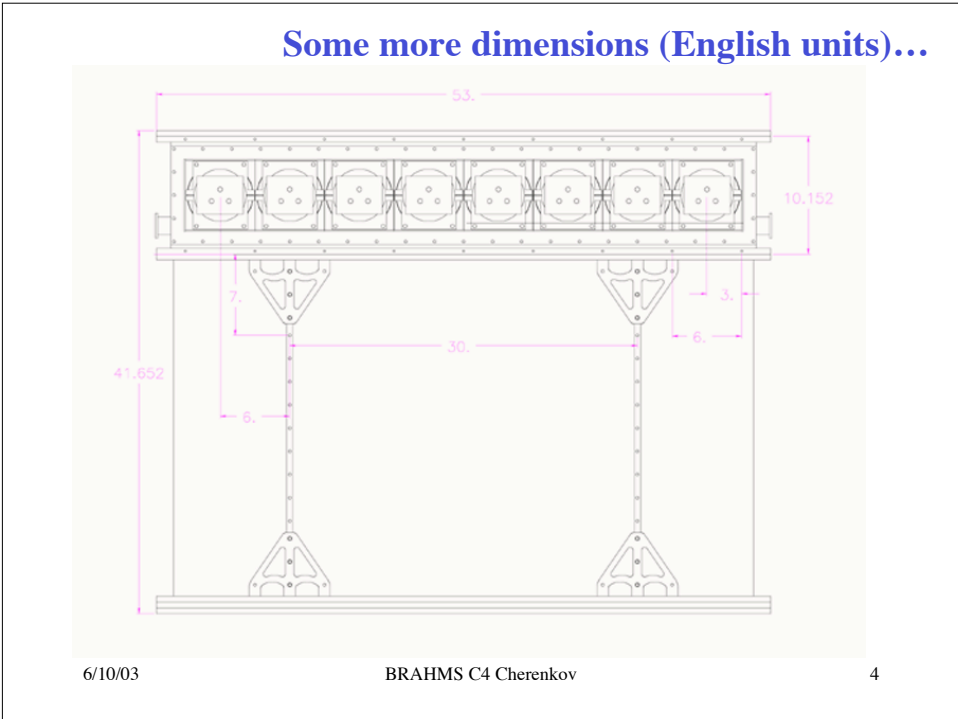
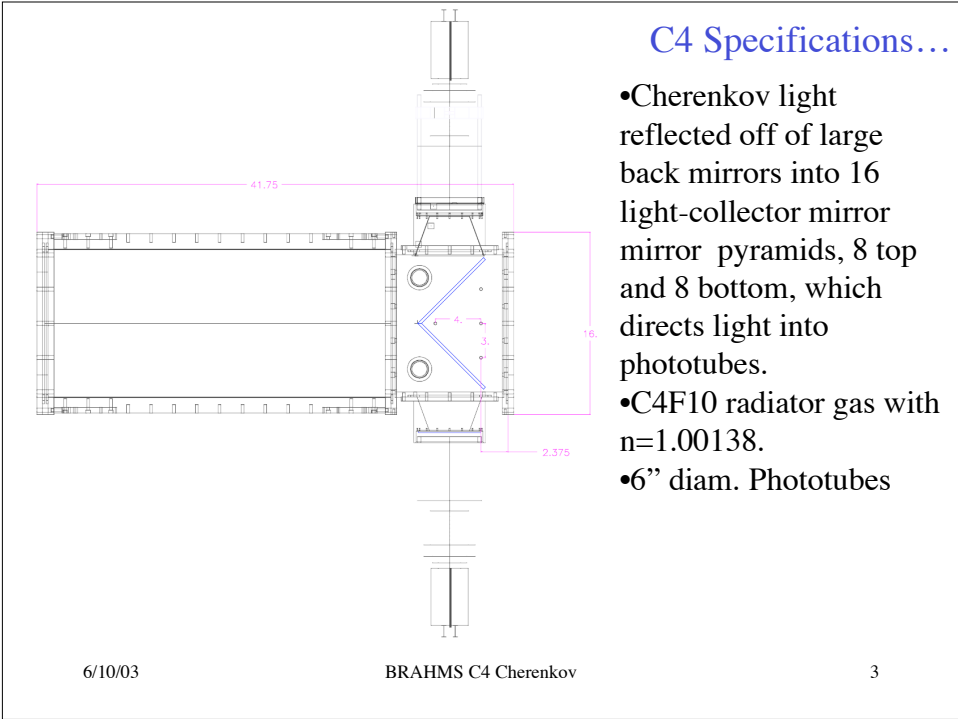
## Current BRAHMS $p_t$ Coverage and C4 Augmented Coverage...



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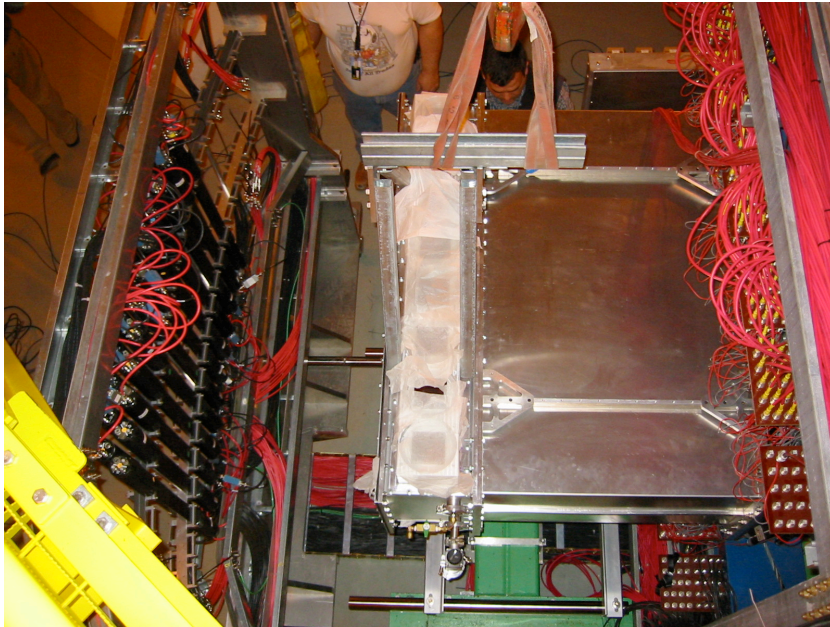
5



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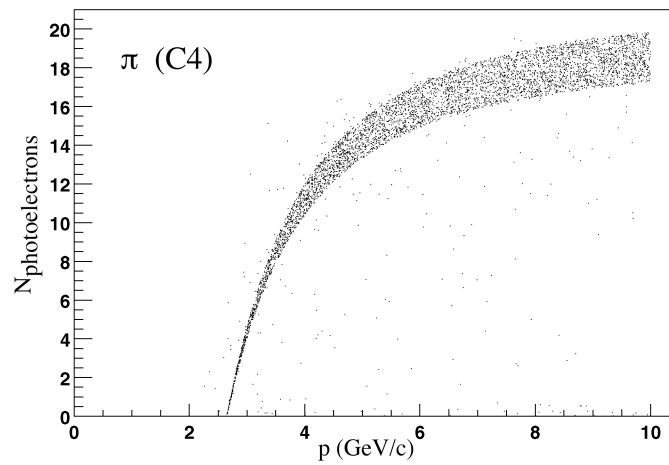


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### C4F10 Effective Theshold



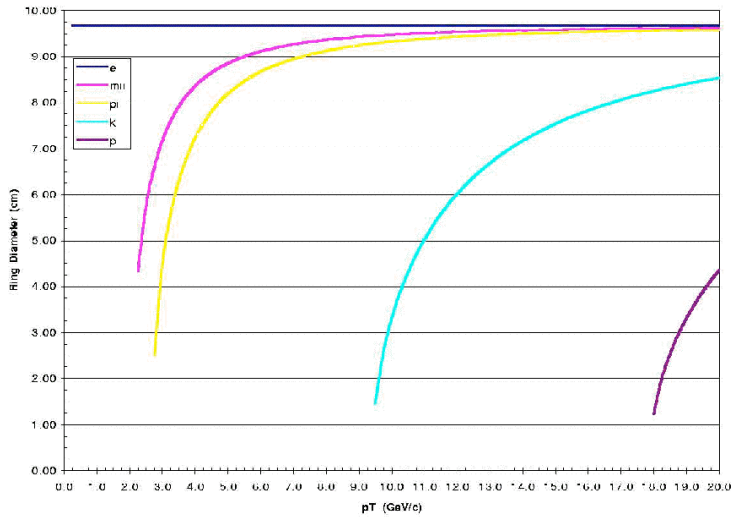
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# Cherenkov radius projected to 92 cm

C4 Backplane Ring Diameter

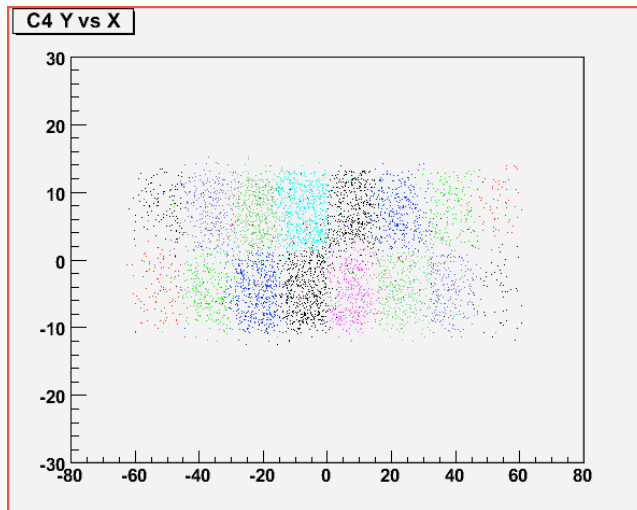


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# Projected track position on C4 back plane, selected by hit in 1 and only 1 phototube...



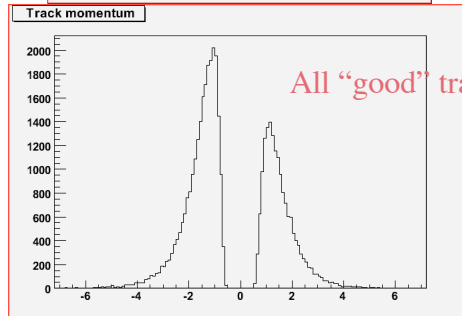
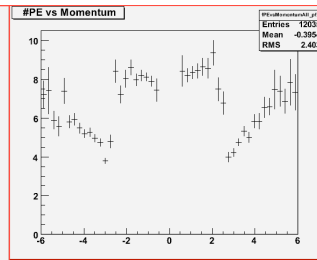
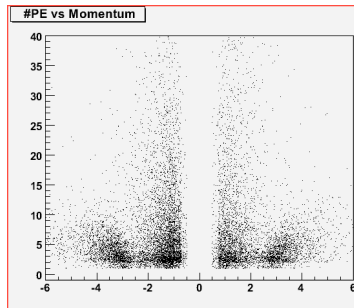
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**PE vs.  
momentum**

Requires "hit"  
phototube consistent  
with projected track  
location.



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