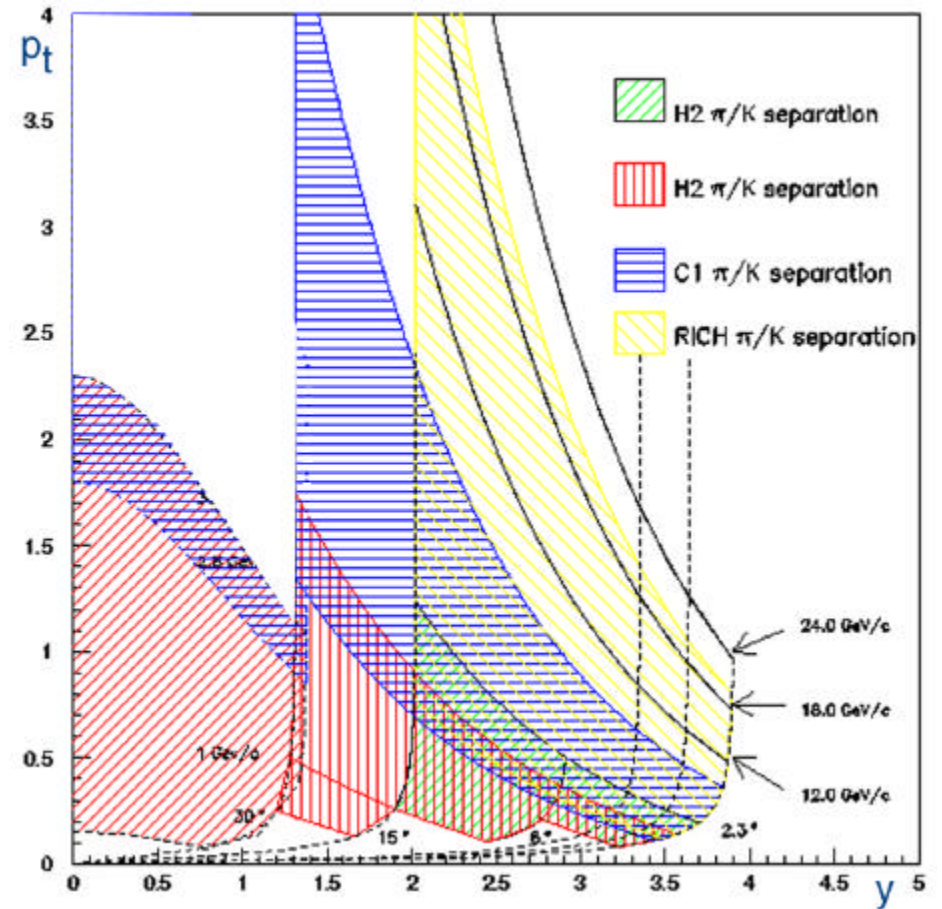
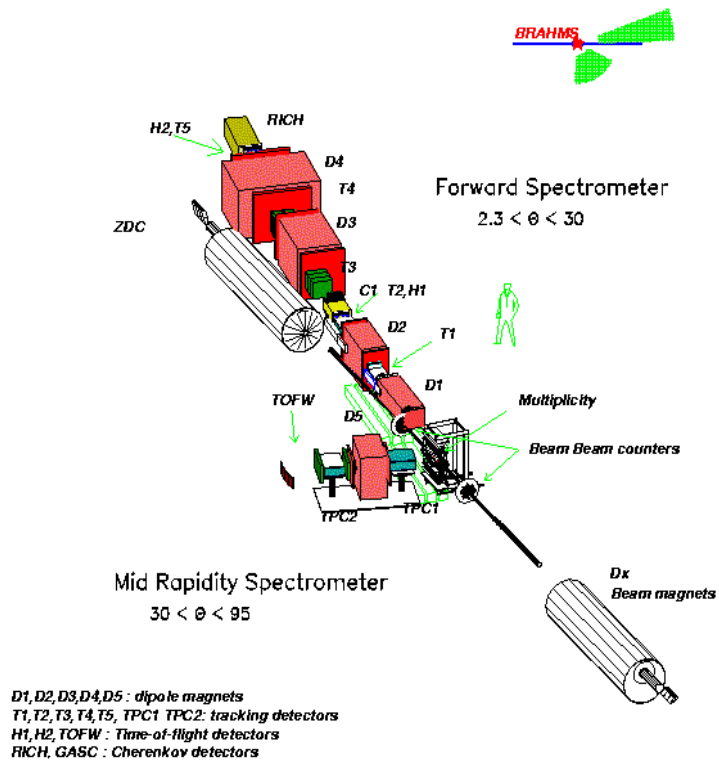


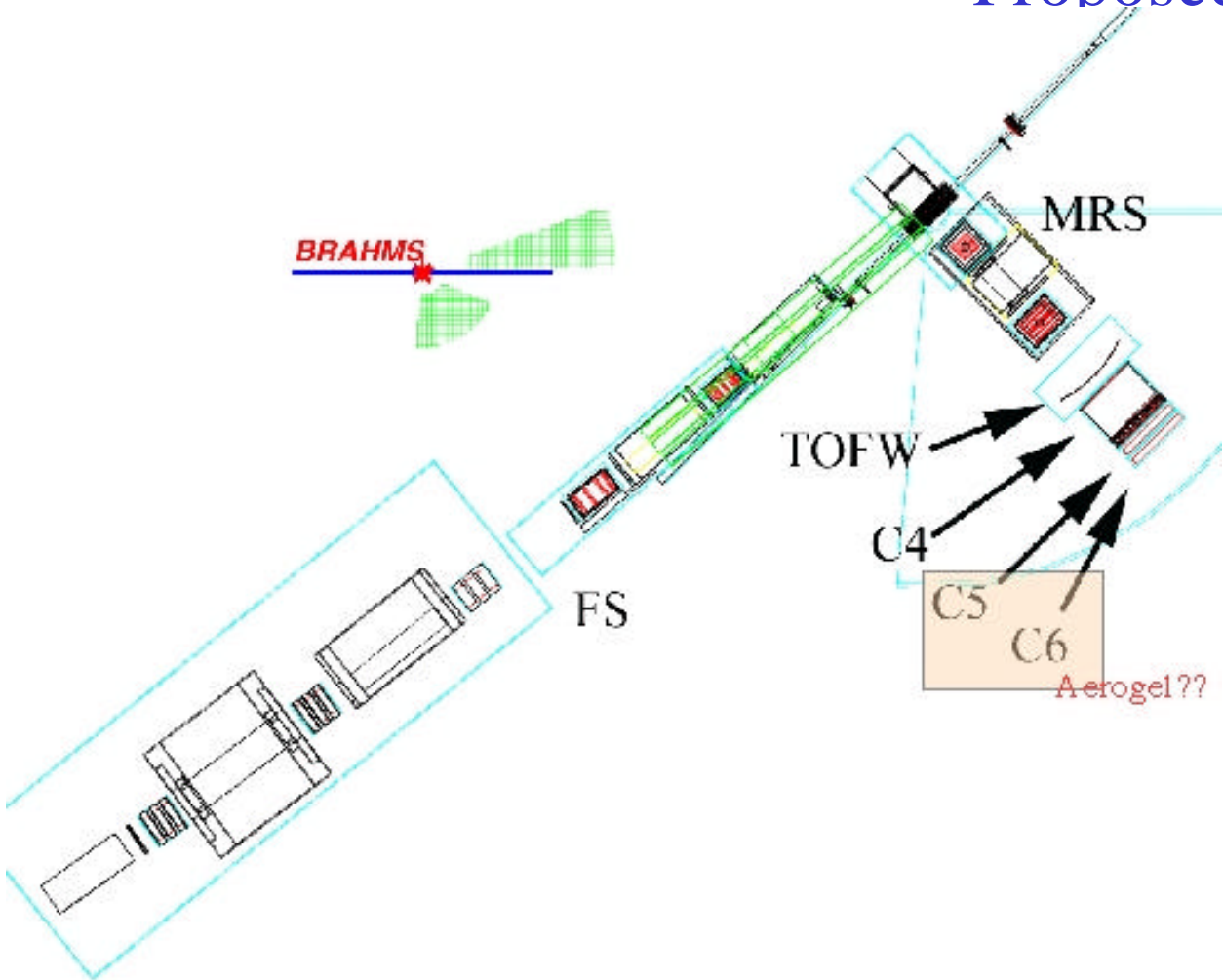
# Current BRAHMS $p_t$ Coverage



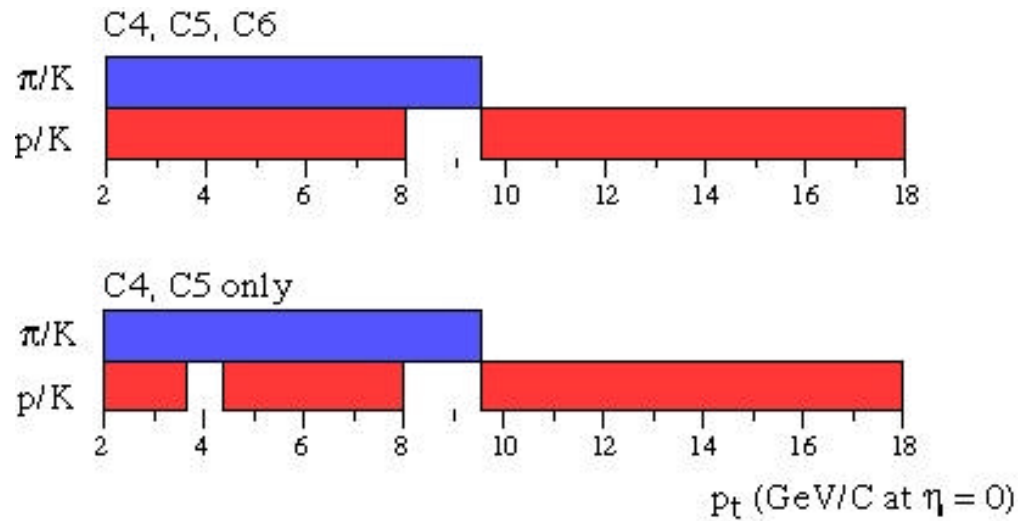
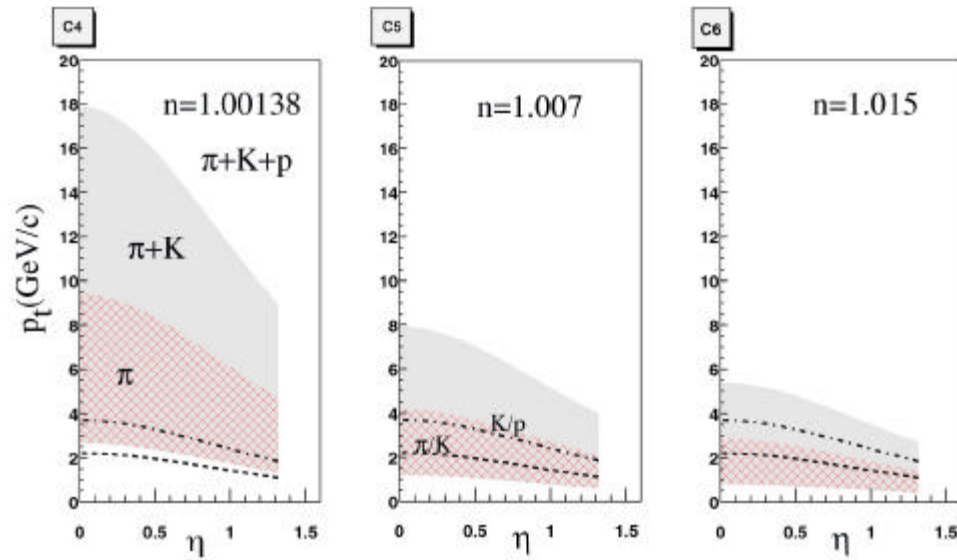
# C4-Cherenkov Status

Steve Sanders

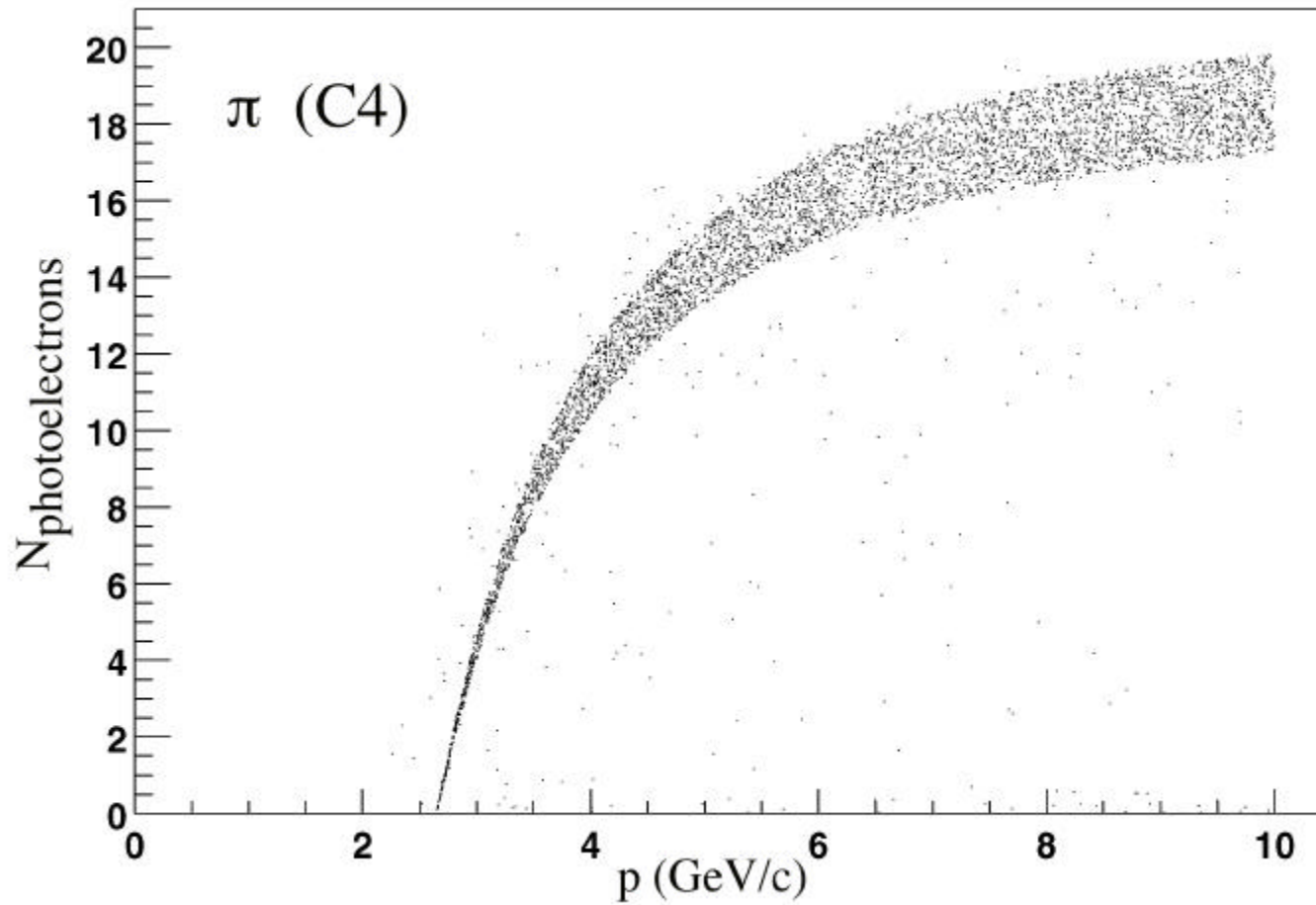
# Proposed Layout



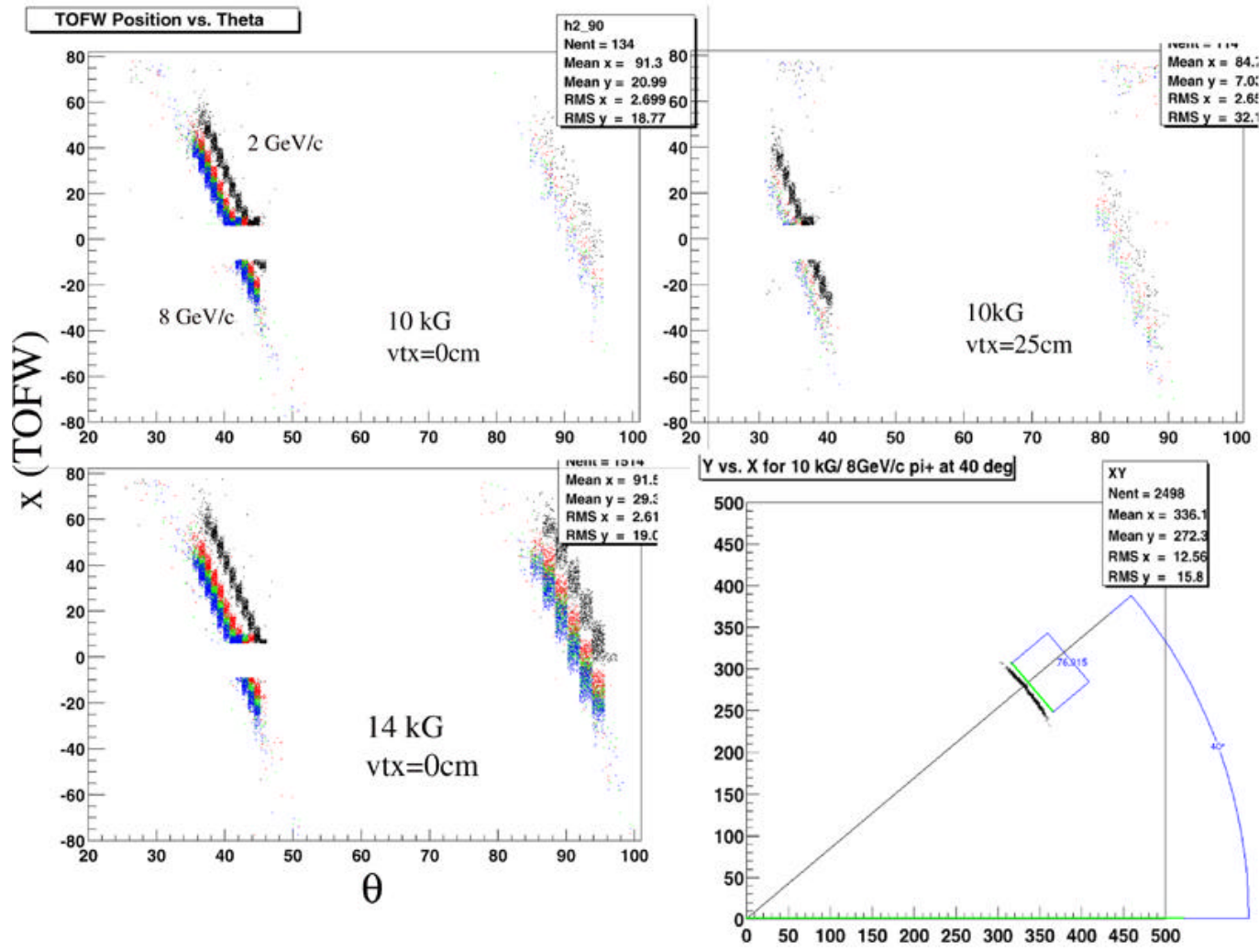
# Cherenkov Coverage



## C4F10 Effective Theshold

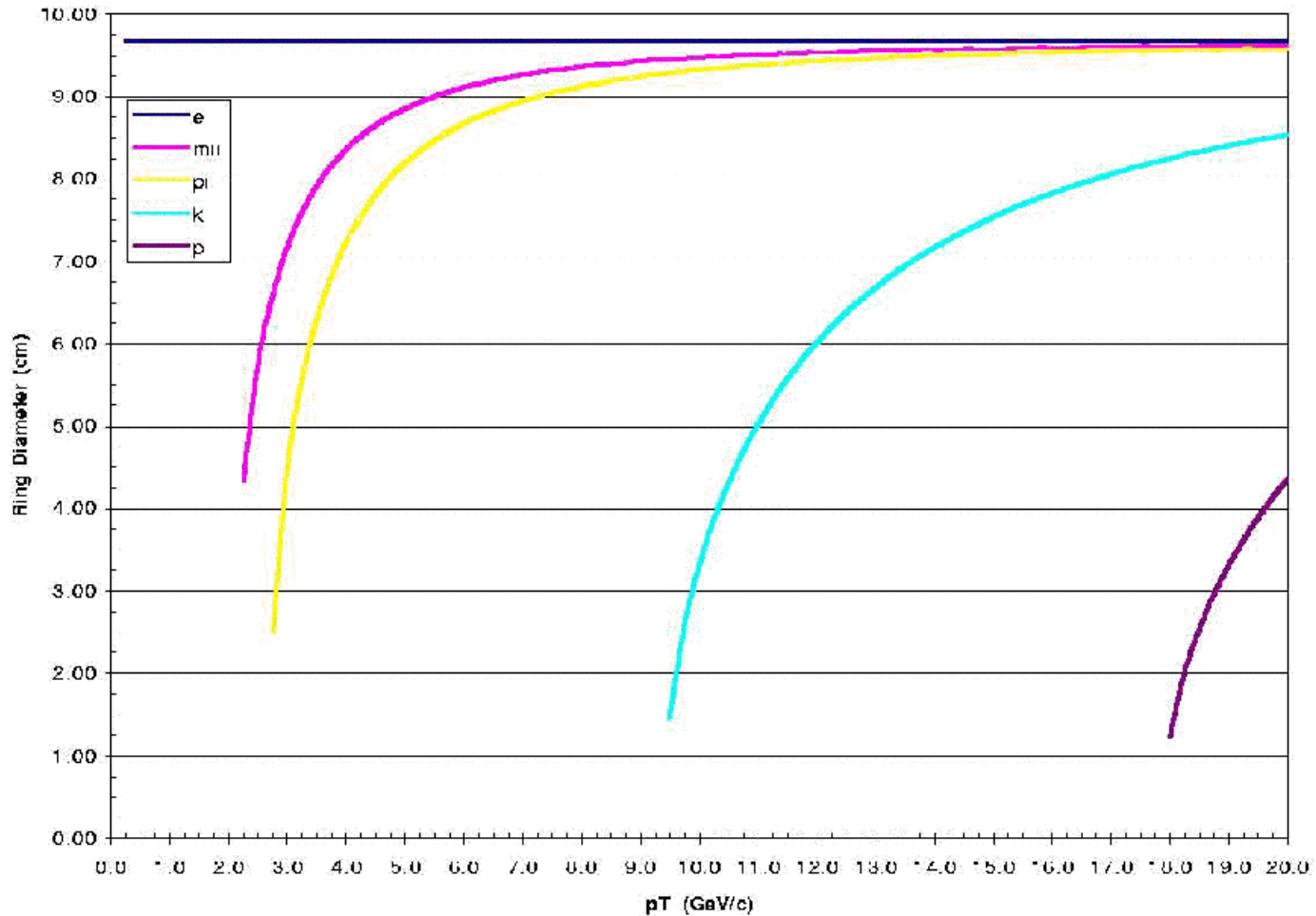


# Coverage



# Cherenkov radius projected to 92 cm

C4 Backplane Ring Diameter



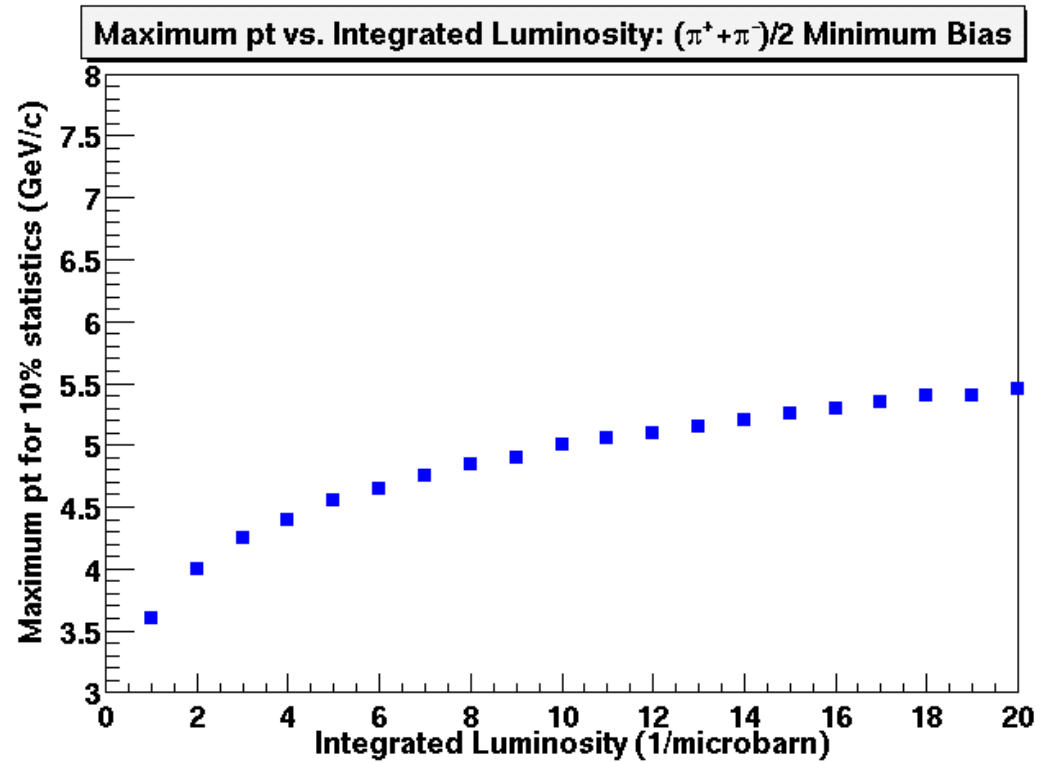
# Background Rates

GEANT simulations suggest ~1% probability of given phototube being struck by Cherenkov light from an electron or positron in a given event.

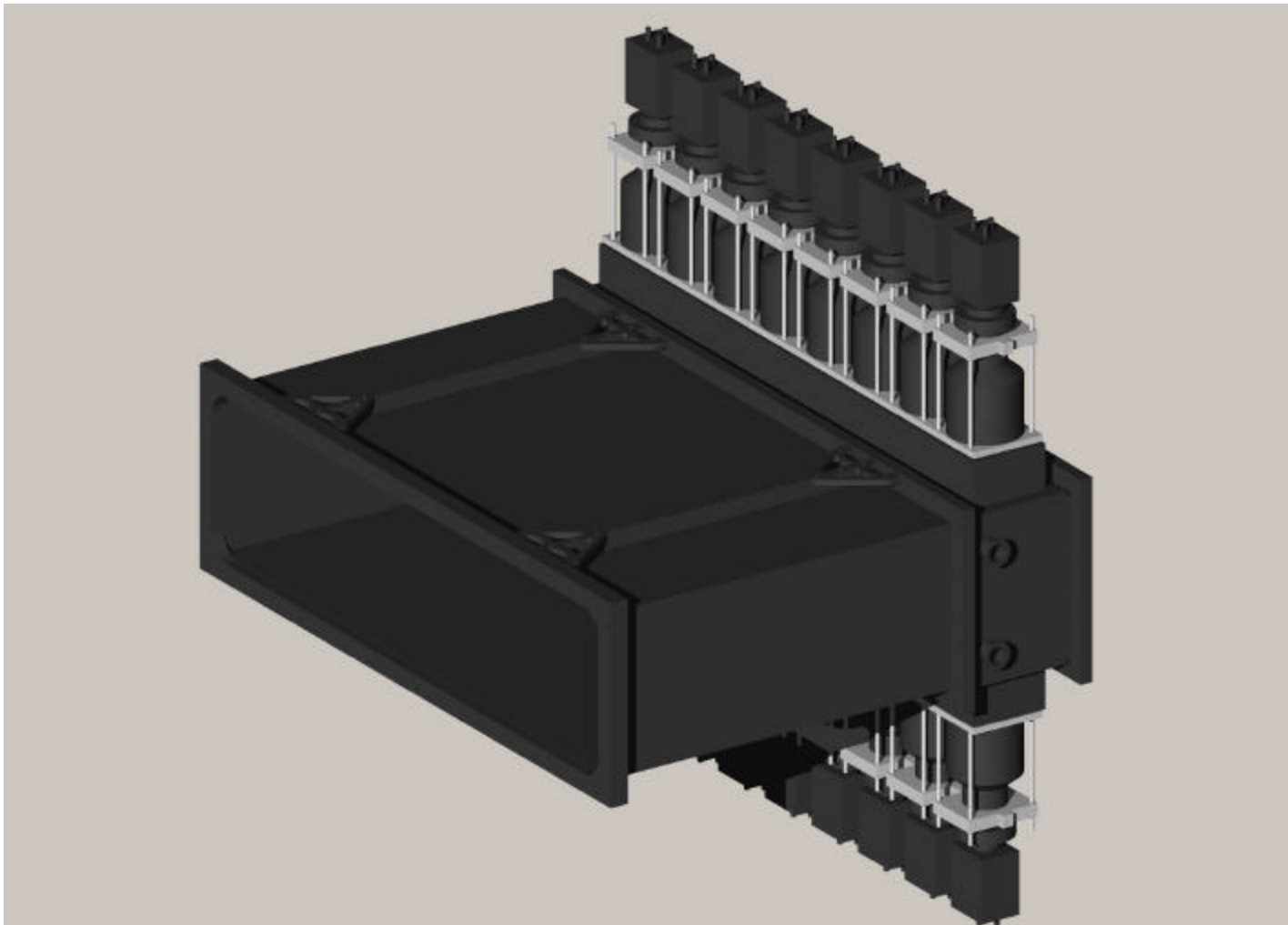
The same GEANT simulations significantly underestimate the observed rates in the TOFW.

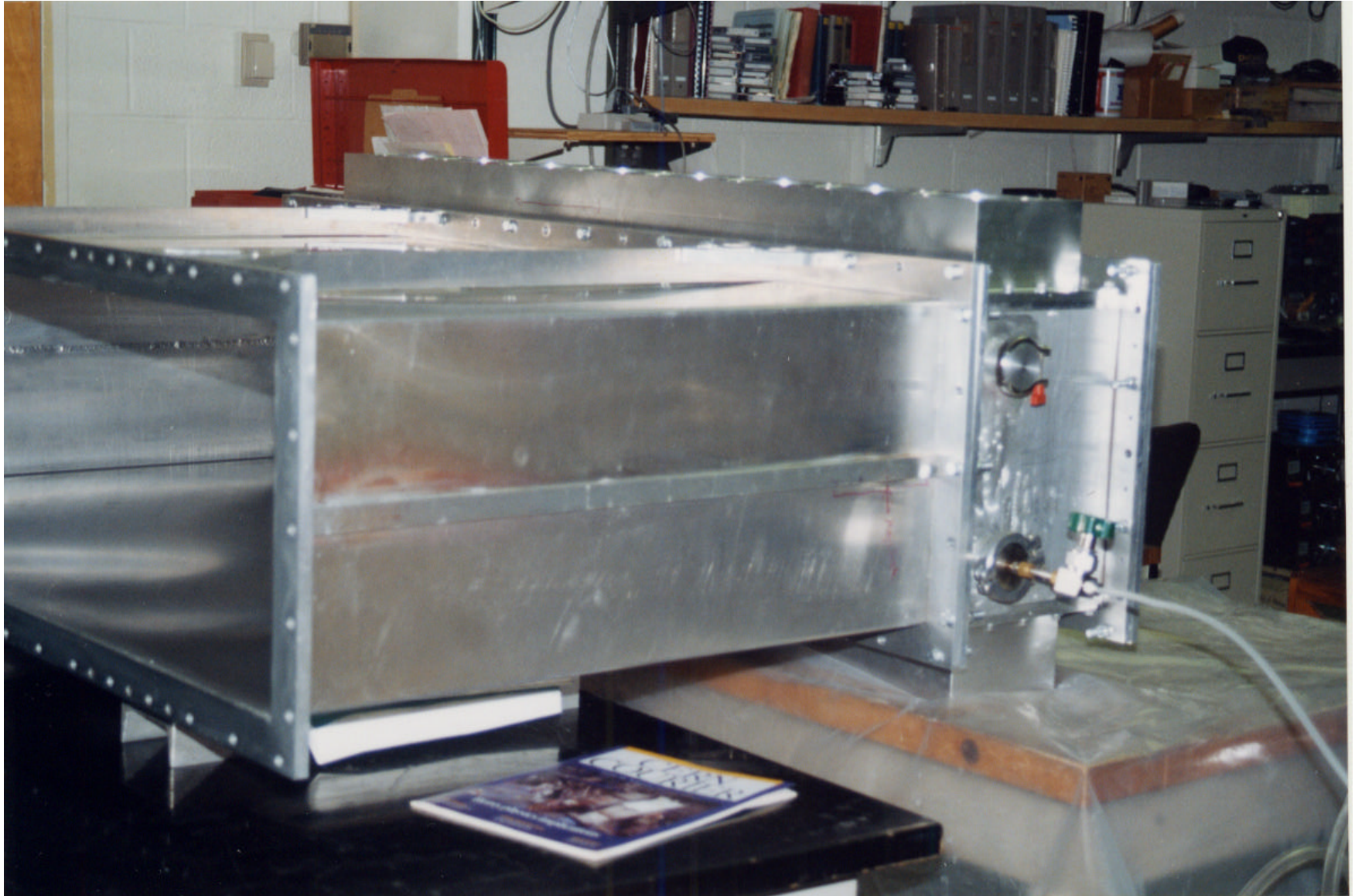


# Expected Yields Au+Au at $\sqrt{s}=0$



# Design

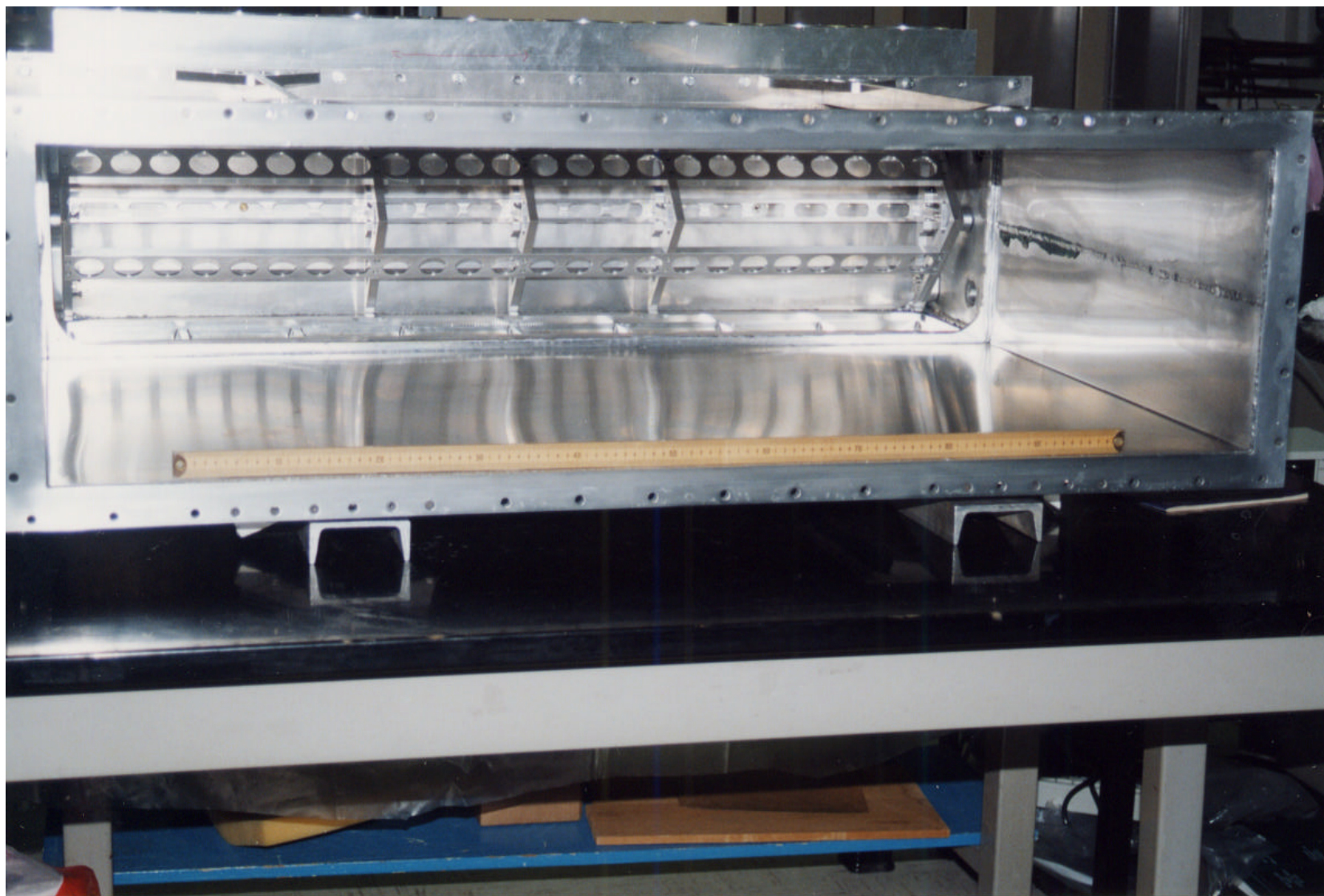




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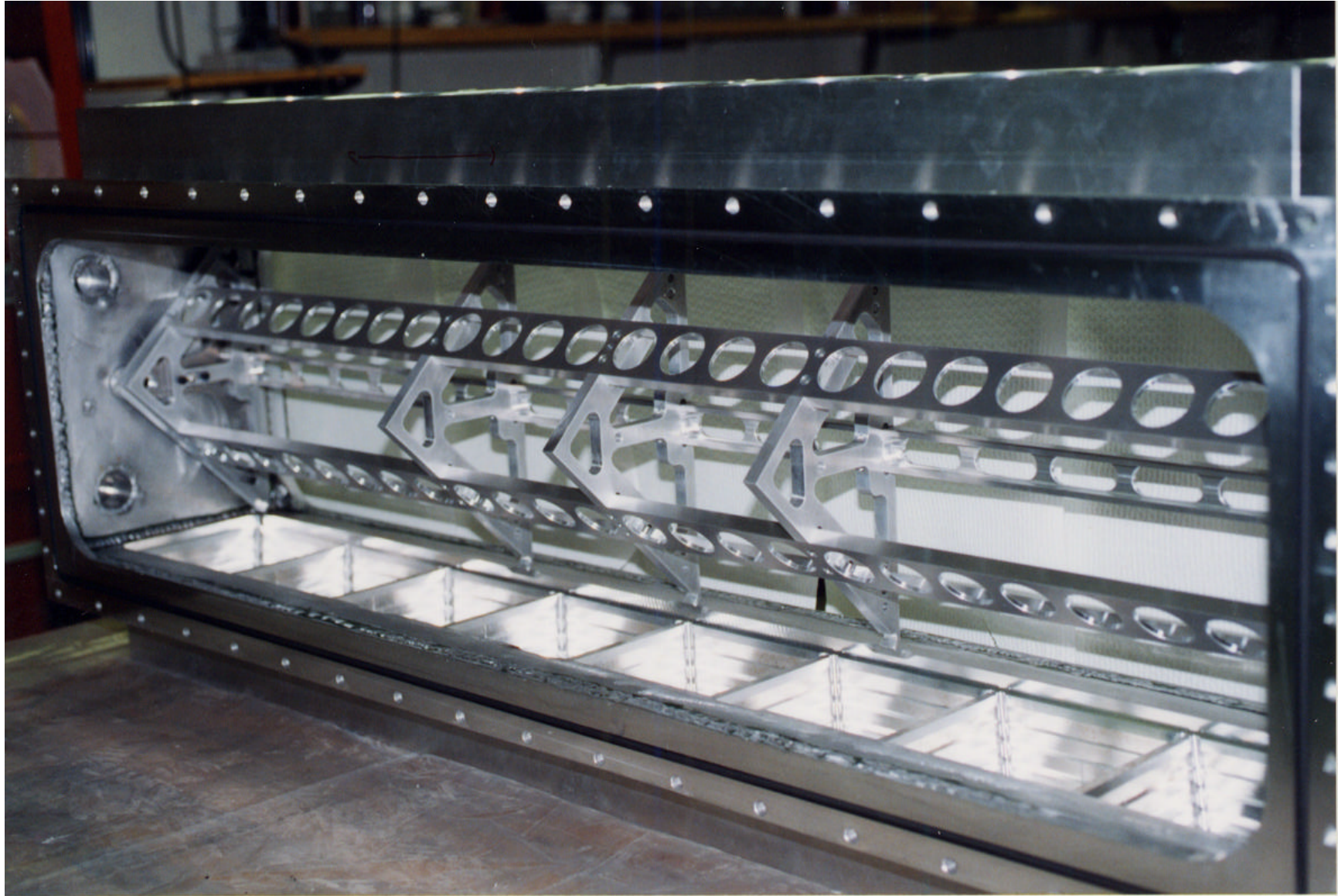
11



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BRAHMS MRS Cherenkov Proposal

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BRAHMS MRS Cherenkov Proposal

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