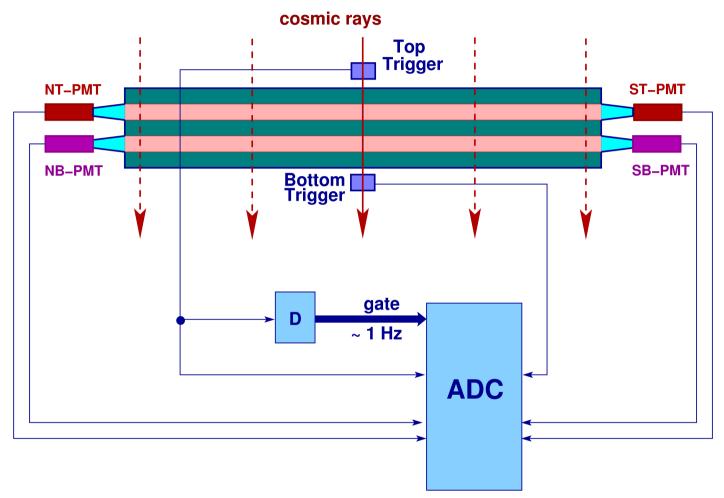
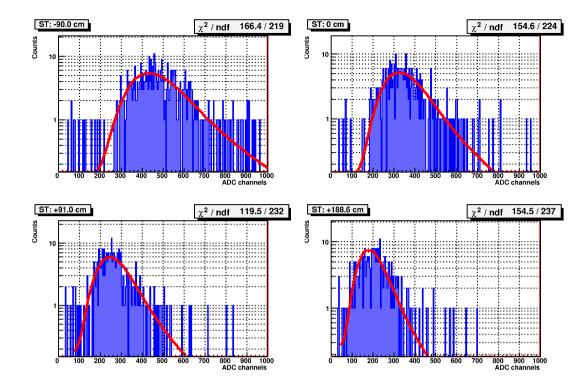
Test of BCAL Module #0 with Cosmics at UofR (All results are preliminary)

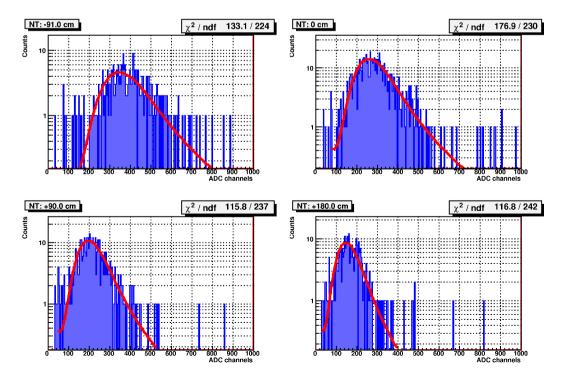


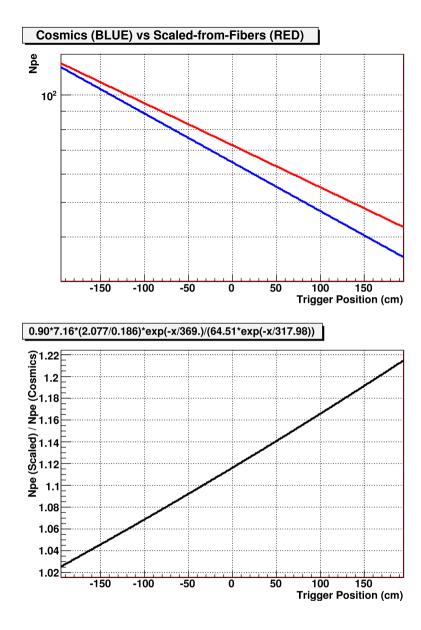
To decrease number of free parameters and improve result accuracy, we fit ADC spectra simultaneously.



Spectra and fits for ST PMT : Npe @ 195 cm = 64.5 ± 8.0 cm

Spectra and fits for NT PMT : Npe @ 195 cm = 58.5 ± 5.0 cm





Cosmics 2010 with Hamamatsu R329-02 and the "Good Section" of the Module:

Att. Length $\lambda = 317 \pm 6$ cm Npe @ 195 cm = 64.5 \pm 8.0 cm

Fiber Tests (shipment #2):

Att. Length λ = 369 cm Npe @ 200 cm = 7.16 ↓ 7.16*(2.077 MeV/0.186 MeV) = 80 phe

<u>Assuming light collection of 90%</u>, we expect about 72 phe in the middle of the module.

It looks like we have extra 20% of increase in the dynamic range...