## 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 @ $195 \mathrm{~cm}=64.5 \pm 8.0 \mathrm{~cm}$

Spectra and fits for NT PMT : Npe @ $195 \mathrm{~cm}=58.5 \pm 5.0 \mathrm{~cm}$




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

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

Fiber Tests (shipment \#2):
Att. Length $\lambda=369 \mathrm{~cm}$ Npe @ 200 cm = 7.16
$\downarrow$
7.16* ${ }^{*} .077 \mathrm{MeV} / 0.186 \mathrm{MeV}$ ) $=80$ phe

Assuming light collection of $90 \%$, we expect about 72 phe in the middle of the module.

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

