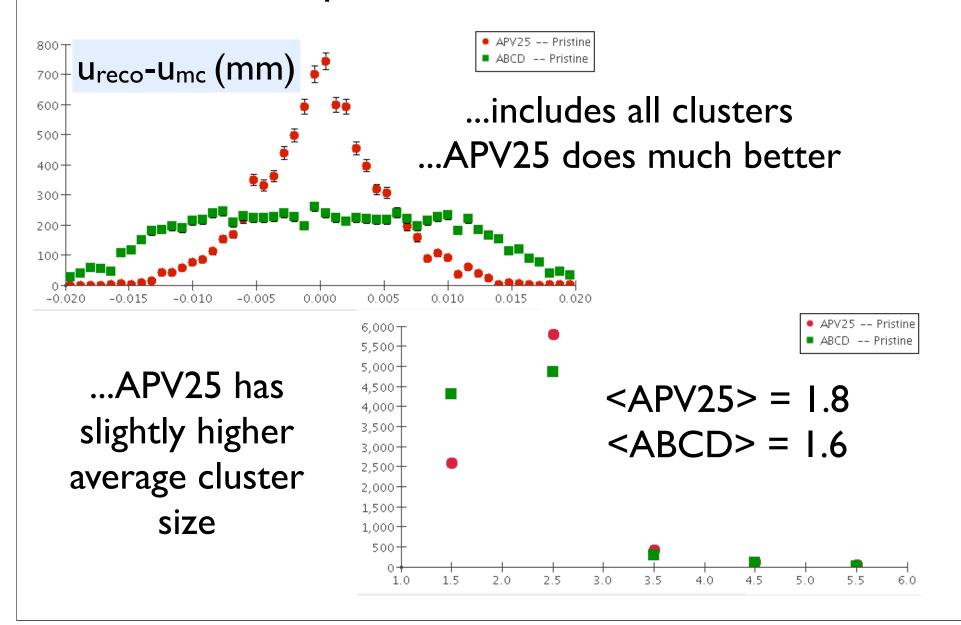
## Chip Parameters

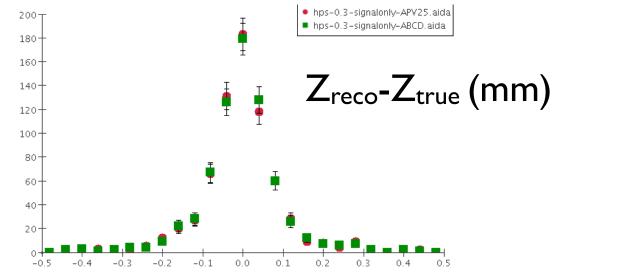
	ABCD Pristine	APV25 Pristine	ABCD Irradiated	APV25 Irradiated	
Capacitance Intercept	0	0	0	0	
Capacitance Slope	0.12	0.12	0.16	0.16	pF/mm
nBits	Ι	10	I	10	
Dynamic Range	10	40	10	40	
Noise Intercept	600	270	600	270	
Noise Slope	65	36	65	36	
Trapping Constant	0	0	0.2	0.2	

Thresholds set to 4-sigma above noise

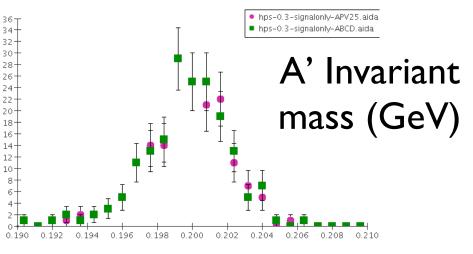
## Pristine chips...resolution and cluster size



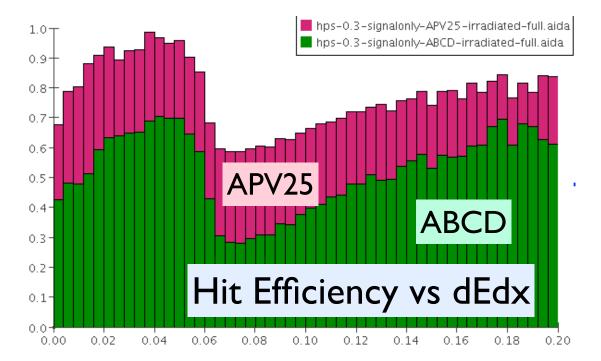
## Tracking resolutions...



...but, choice of chip doesn't seem to effect track resolutions.



## Radiation effects...



•w/o radiation damage, hit efficiency is >>99%...including it (but not adjusting thresholds) efficiency drops significantly
•average cluster sizes drop to ~1.3 and 1.1 (APV25 and ABCD)
•tracking efficiency drops to ~10% (from ~98%)
•it's the trapping that kills hits...is 0.2 too conservative? Where does this number come from?