

First xRay run @ FEL

10-SEP-2010

Place holder for photograph of test set-up

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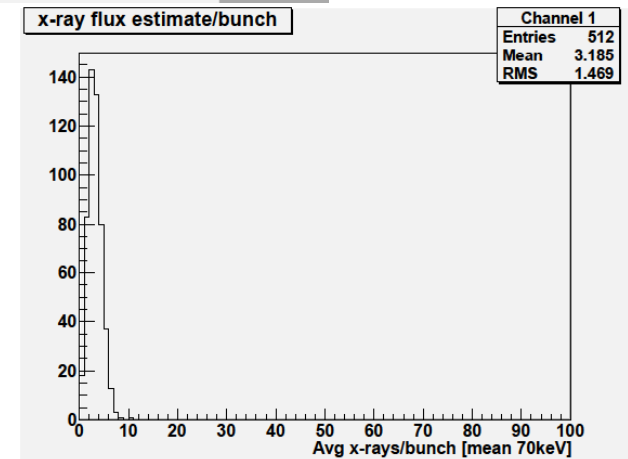
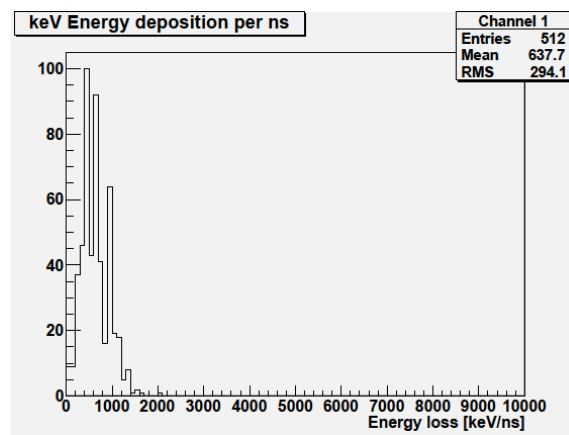
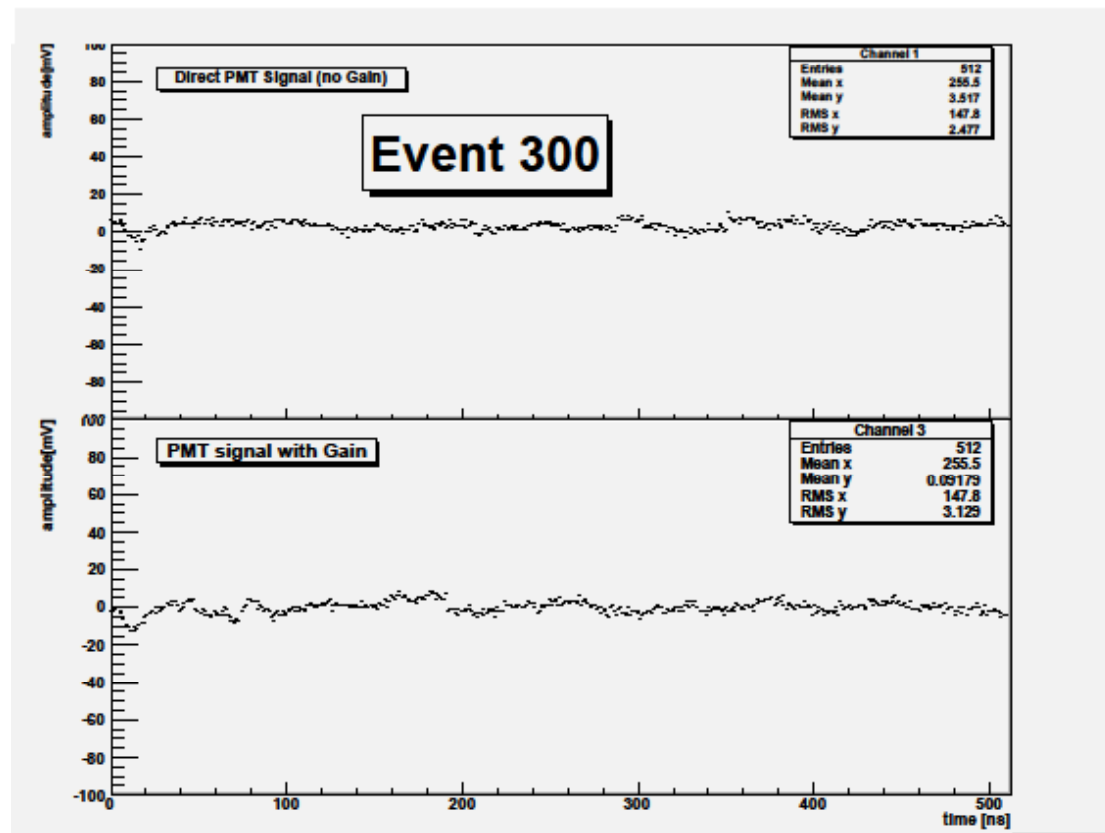
Experimental Set-up

Place holder for schematic of test set-up

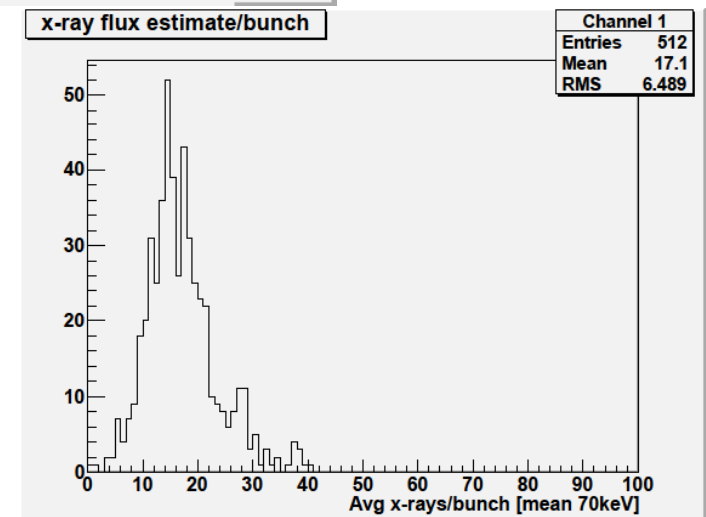
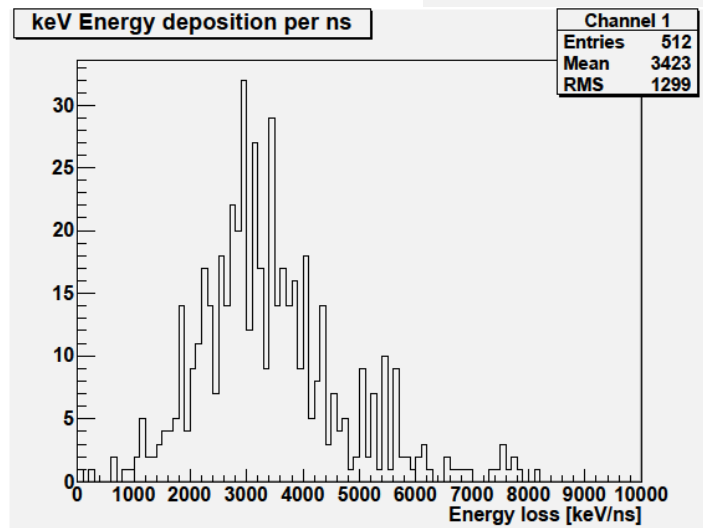
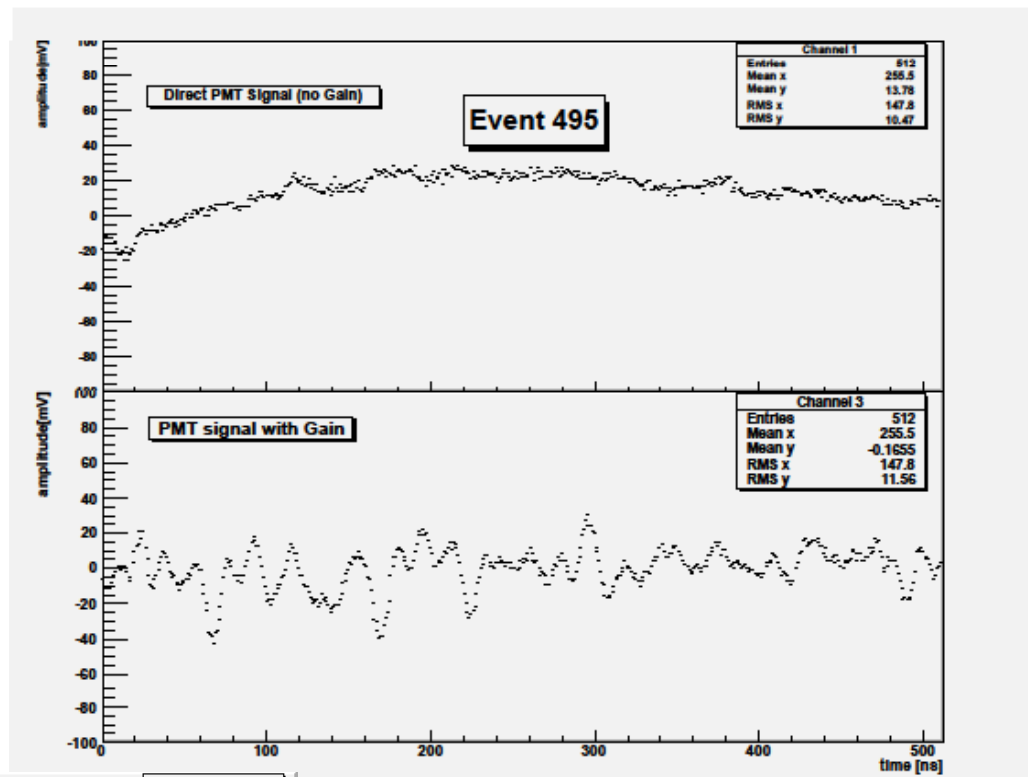
Macropulse structure

Place holder for screen shot from o-scope

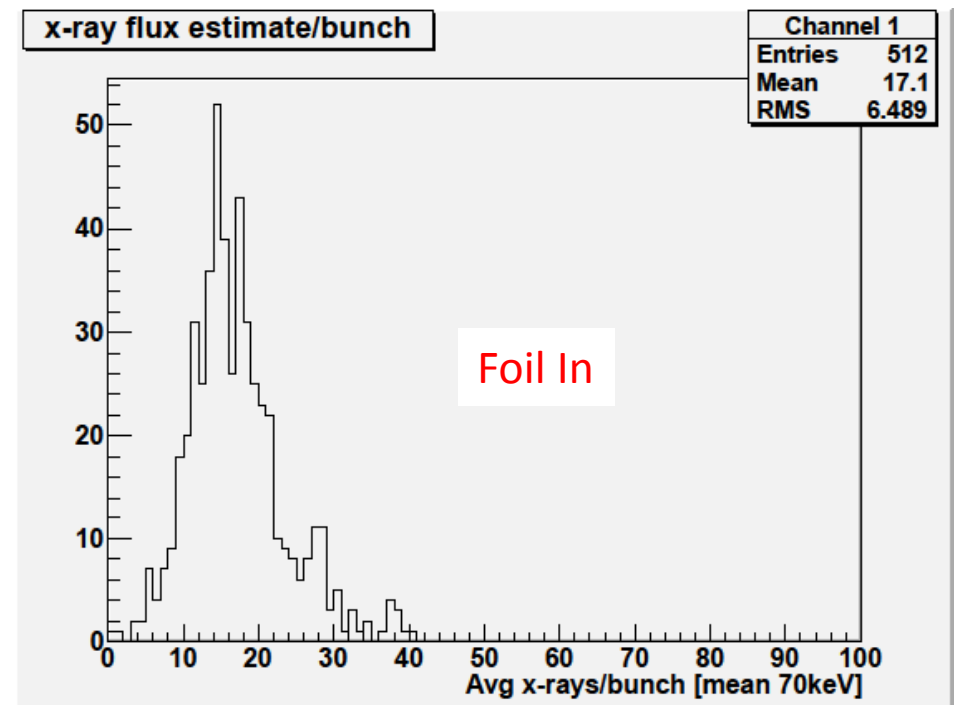
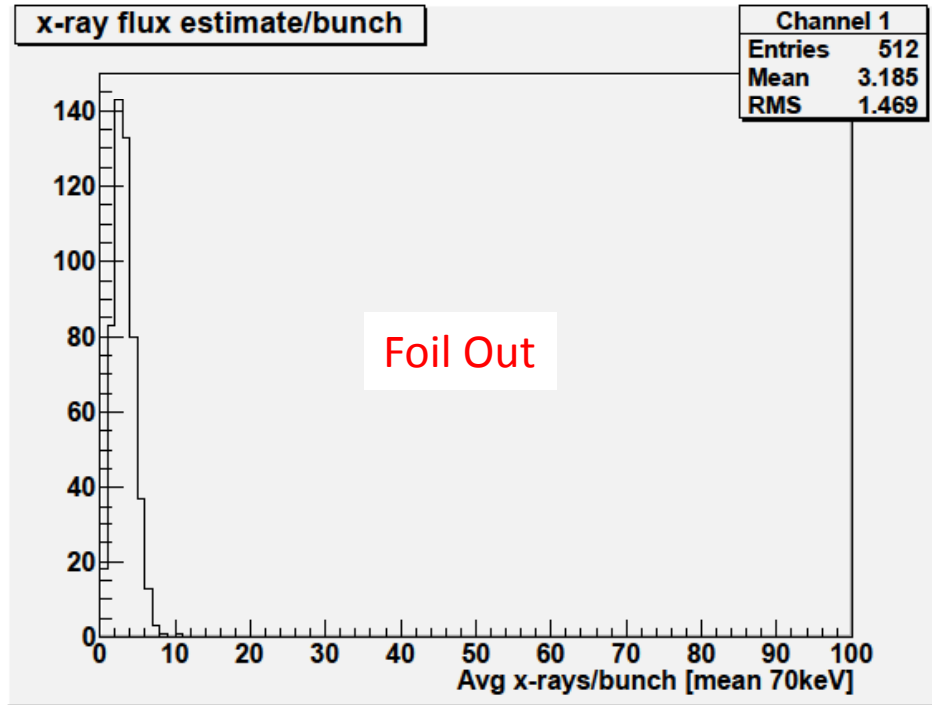
Typical background (w/o foil)



Typical spill (foil target in)



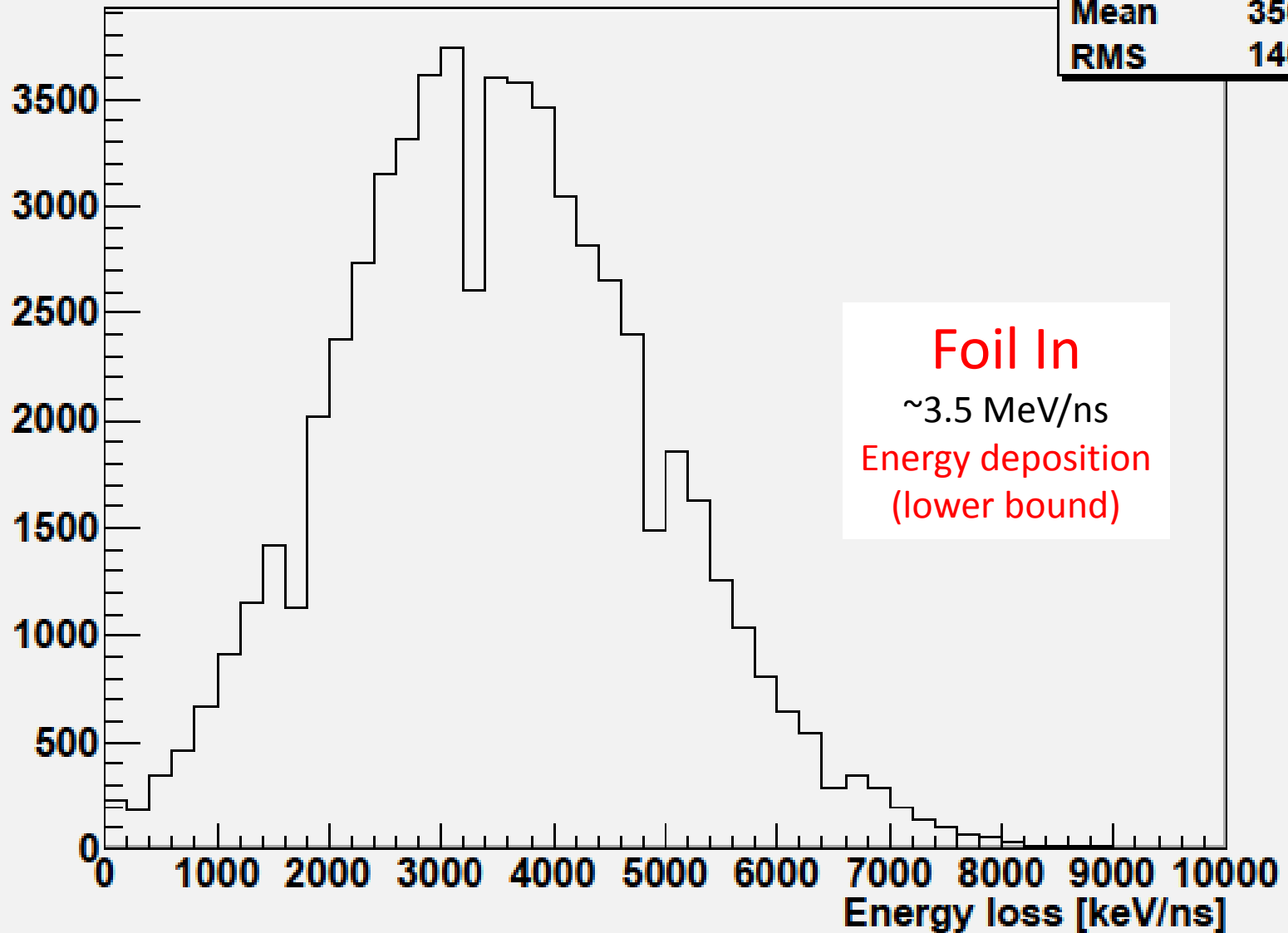
Direct comparison



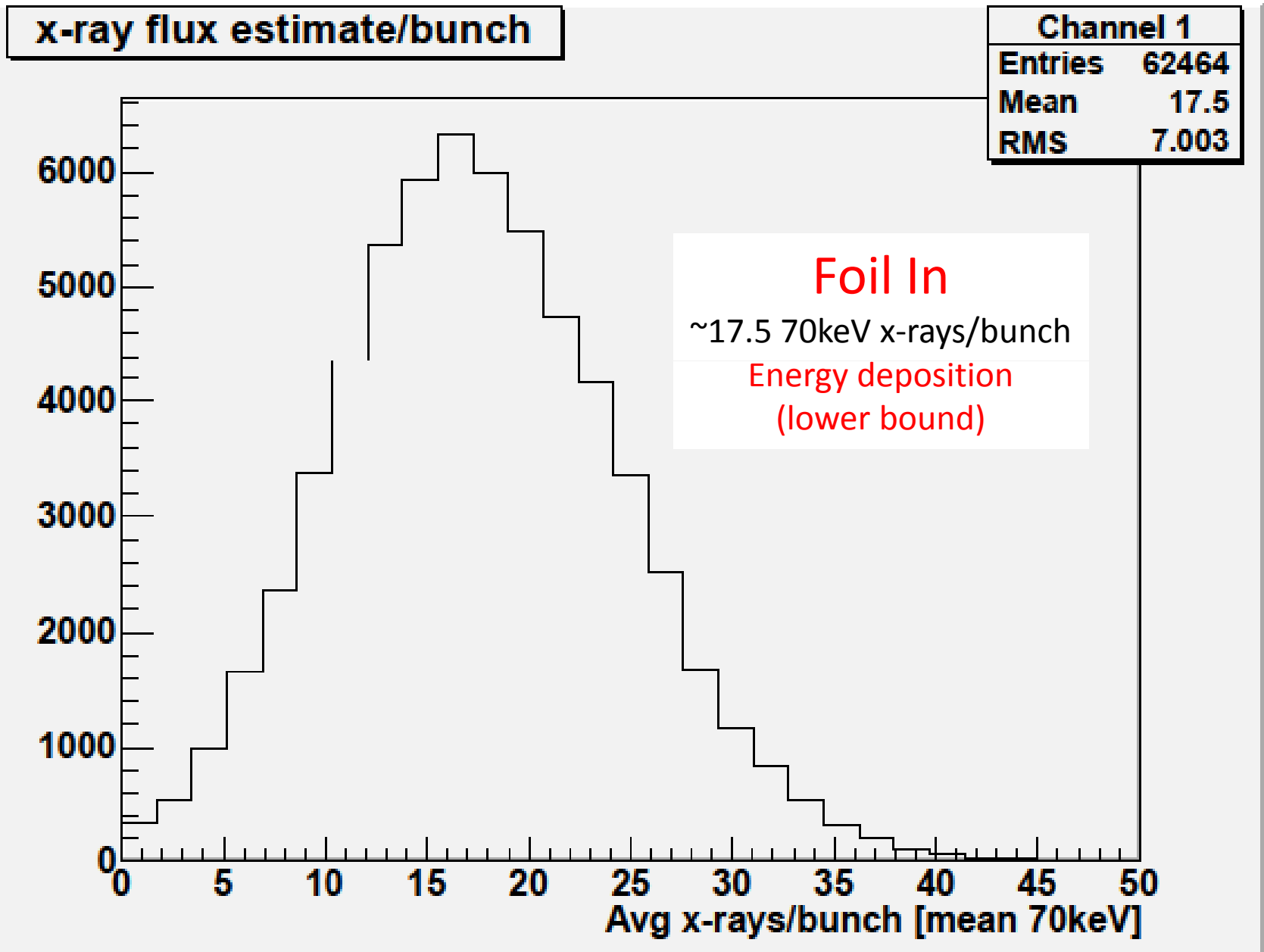
Full data set (Evs 377-500)

keV Energy deposition per ns

Channel 1	
Entries	62464
Mean	3504
RMS	1402



Full data set (Evs 377-500)



Conclusions

1. Beamline functional !! Loads of x-rays
2. Next run with MPPCs (reduced x-section)
3. Use TARGET_eval next run
4. Put in PIN diode as monitor (perpetual)