## New pre-amps installed and the fast signal on PEPG is working OK again

Montule

Offurt

Muit + Offs 1.000000

8.666666

Modulo

Offset

Mult + Offs

1.000000

0.000006

Offiet

Mut + Offs

1.000000

8.000000

Modulo

Offset

Muit + Offs 1.000000

0.000000

......

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300

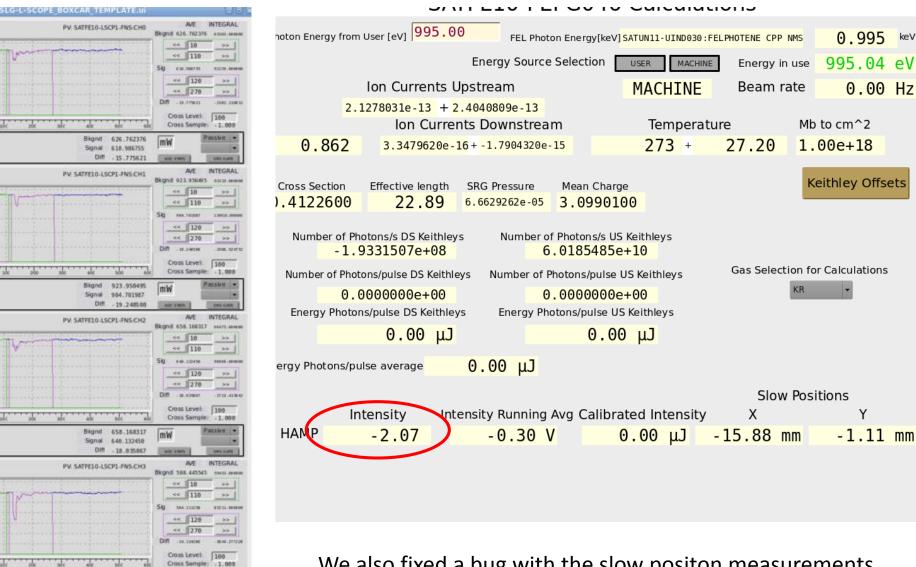
Bikgnd

588.445545

Signal 564.311258

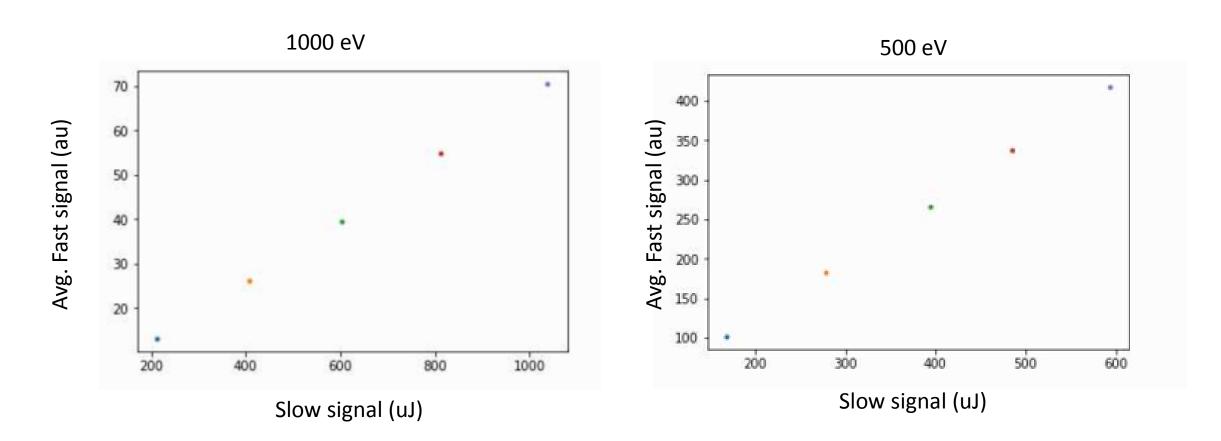
Diff -24.134286

msNo .



We also fixed a bug with the slow positon measurements. Fast position measurement not possible with current configuration.

## Pulse Energy Linearity studies



Looks nice and linear now for the ranges we could reach. We re-wired to mitigate issues with non-linearity at high intensities

We are also doing more work to use PEPG as a spectrometer—analysis ongoing.