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8/14/2013
Install CRYO-04  diffraction cryostat for Dynamic PDF test
Vanadium windows ~ 15mm wide x 40mm tall

Sample Nickel powder in vanadium can 11mm diameter ~20grams ITEMS 11069

Save runs 37523-37559 during scan of s2l by mistake

Set slit2 (l,r,b,t) = (3,6,10,18)

In [3]: event_scan(s2b,-25,26,1,5e9,desc='no pause')
37560 s2b event scan no pause pcharge 5000000000.0 per step

In [6]: run -i CRYO-04_NI_Vcan.py
Collimator is  DOWN
37561 CRYO-04 Ni V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37562 CRYO-04 Ni V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37563 CRYO-04 Ni V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37564 CRYO-04 Ni V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37565 CRYO-04 Ni V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
Collimator is  UP
Collimator is  OSCILLATE
37566 CRYO-04 Ni V can, collimator OSC 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37567 CRYO-04 Ni V can, collimator OSC 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37568 CRYO-04 Ni V can, collimator OSC 300 K Ch. 2 150 meV 600 Hz T0 90 Hz

Mount Empty vanadium can in CRYO-04
In [8]: run -i CRYO-04_MT_Vcan.py
Collimator is  READSTATE
37570 CRYO-04 MT V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37571 CRYO-04 MT V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37572 CRYO-04 MT V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37573 CRYO-04 MT V can, collimator DOWN 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
Collimator is  UP
Collimator is  OSCILLATE
37574 CRYO-04 MT V can, collimator OSC 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37575 CRYO-04 MT V can, collimator OSC 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
37576 CRYO-04 MT V can, collimator OSC 300 K Ch. 2 150 meV 600 Hz T0 90 Hz
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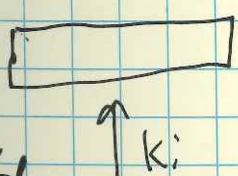
2013_2_18_CAL

Silicon - No Thimble - E_i = 80 meV F_{ch2} = 480 Hz   T0 = 90 Hz



Motor = 0°

k_i

~~37666~~
37665 White Beam run   Motor = 60°

Rotation +65 → +20°

Slit Scans
S2L = ~~16~~ 17
S2R = 17
S2T = 15
S2B = 25

Motor = 90°
Bragg peak @
(80, 170)

7 PM.
→ 8 A.M.
= 13 hours
× 3
39 ~~coul~~ coul.
× 0.75
29 C
$\frac{29\,C}{2}$ = 14.6 C