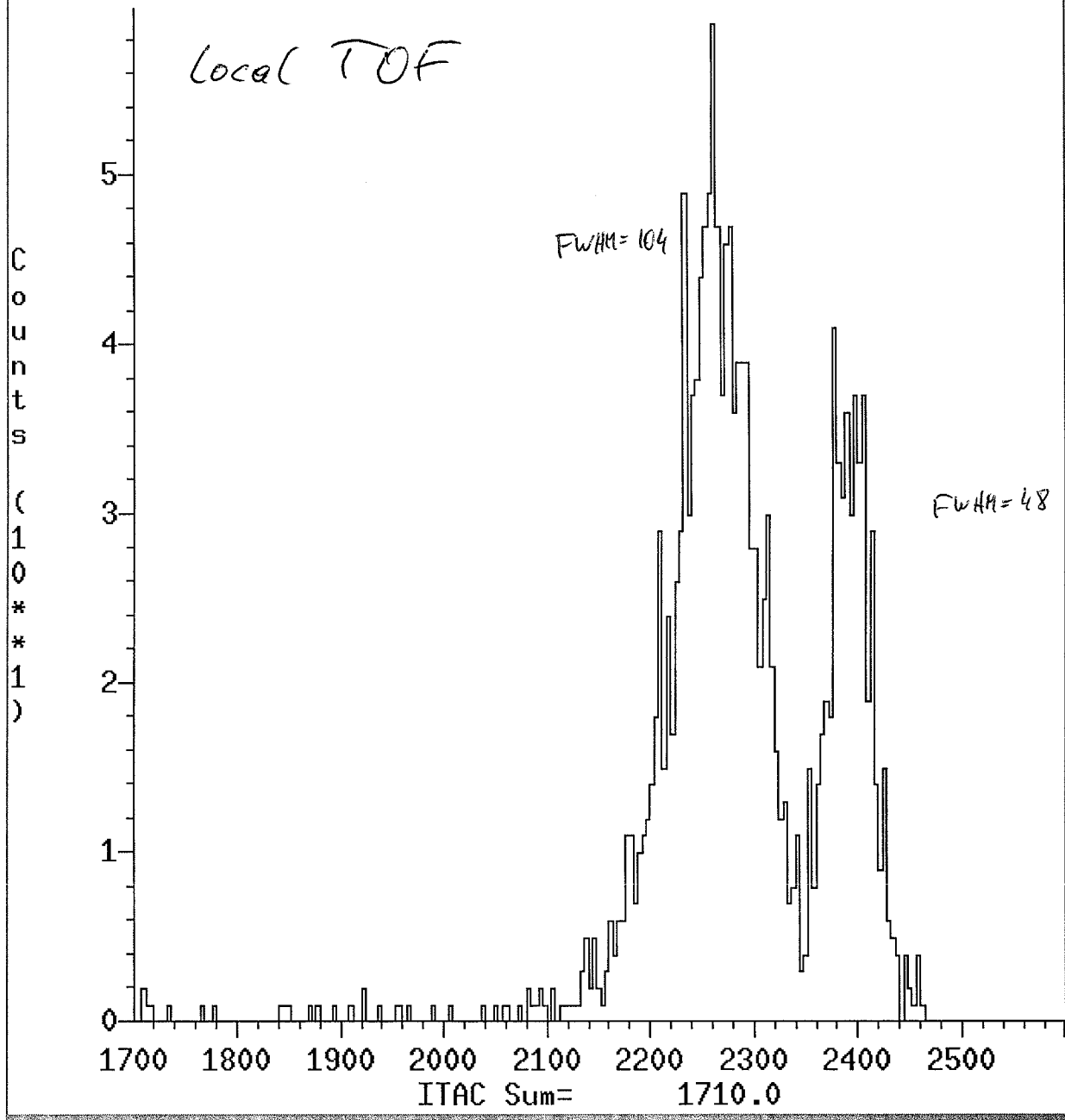


Run # 12845 Tue Jul 13 09:57:51 2004
HTACTIME Max= 59.0

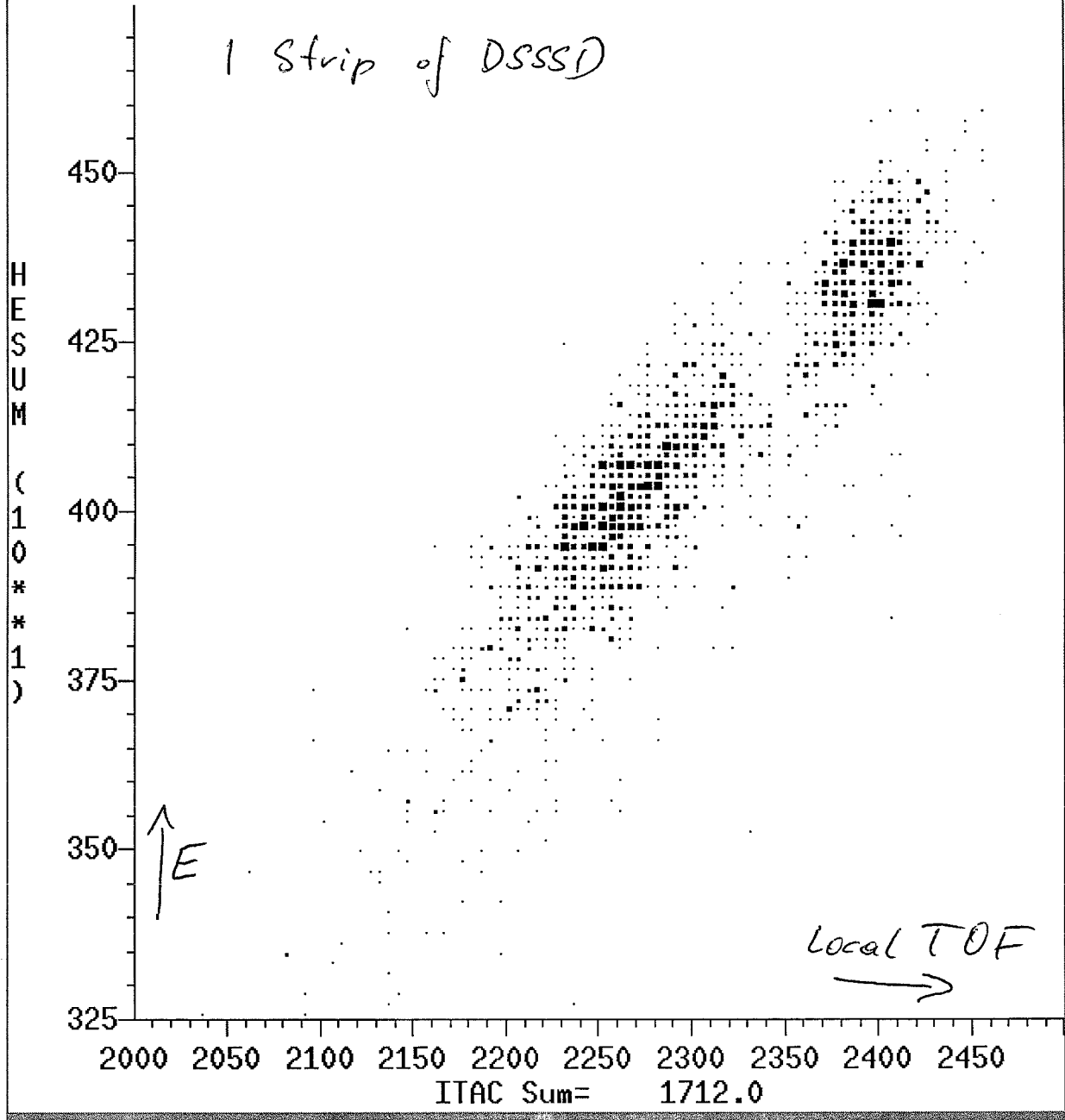
Local TOF



Nova Plot Window

Run # 12845 Tue Jul 13 09:53:07 2004
HESUM_TACT Max= 10.0

1 Strip of DSSSD



Author: DH,CV,ML@isdaq04.triumf.ca Type: Shift summary

System: General Subject: Night shift July 9-10/04

Looked at multiple scattering of recoils by the MCP foils, using the correlation between BGO angle and DSSSD x-position (NOVA hist hbh_nbgco_c).
 FWHM of selected DSSSD-x for selected BGOs (units=strips)

	#18	#15	#5	#18	#15	#5
No foil	2.375	2.103	2.656	1.989	2.134	2.357
DLC	2.363	1.915	2.575	2.396	2.022	2.199
C	3.129	2.736	3.206	3.224	3.629	3.573

Tails were noticeable with C foil, but not when DLC was in.

Next started looking at transmission of recoils. Tried tuning the separator for ion energies 0.5% lower and 0.5% higher than nominal.

	Coinc/EMO	Right/left	BGO's
Nominal tune	0.238		0.674
-0.5% tune	0.251		0.515
+0.5% tune	0.247		0.56

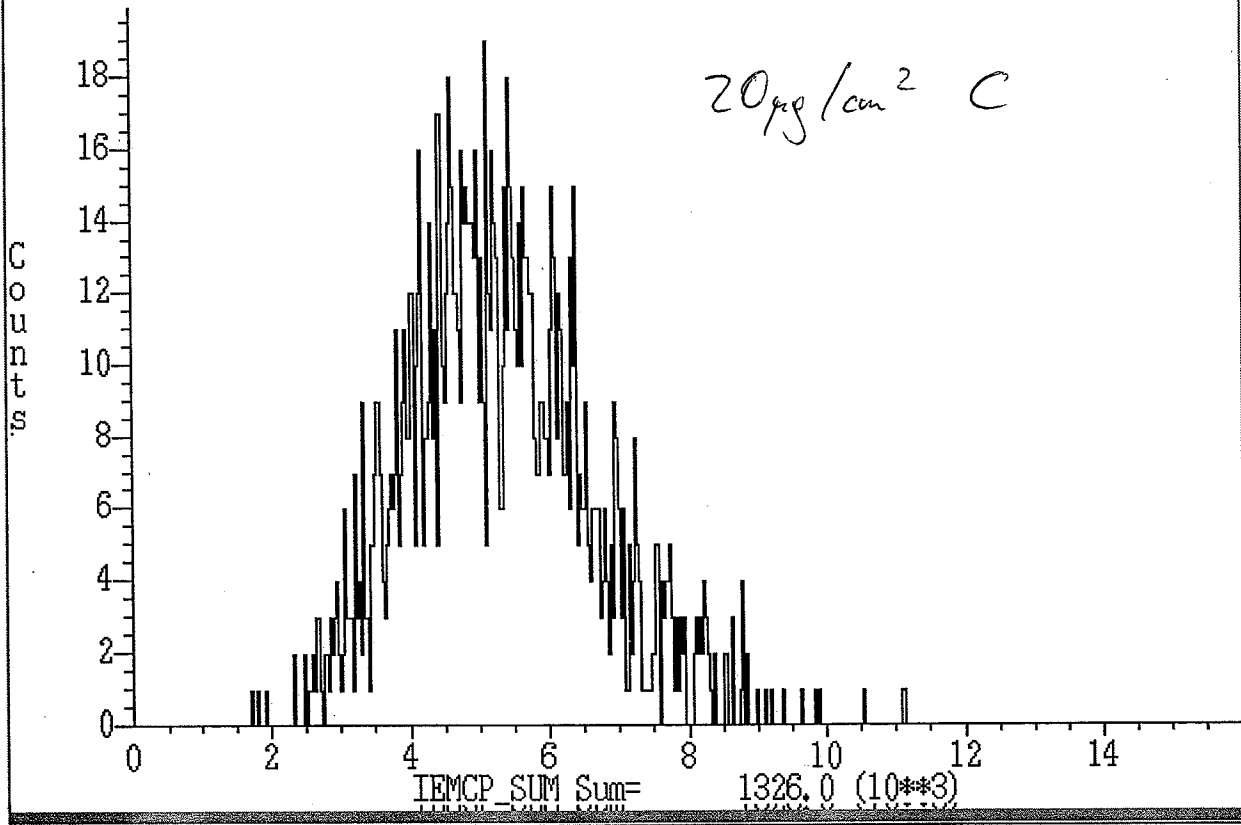
Next looked at the effect of slit openings on coinc. recoil transmission:

Slit setting	Coinc/EMO
XM 15 -> 10mm	0.257
XM 10 -> 20	0.267
XM->15	
XC 25 -> 30mm	0.267
XC->25	
XF 45 -> 15mm	0.263
XF 15 -> 10mm	0.223
XF->15	
YF 45 -> 20mm	0.259
YF 20 -> 15mm	0.242

Finished off by taking an attenuated beam run.

Expect on Monday there will be tuning of 21Ne to 1150 keV/u in prep. for 21Na(p,g) run. In anticipation of that, we have left the cleaning trap loaded but isolated, pumped away the free H2 gas, and turned off the gas target pumps for the weekend.

Run # 12845 Tue Jul 13 10:03:27 2004
HE_MCP_SUM Max= 19.0



Run # 12847 Tue Jul 13 10:05:06 2004
HE_MCP_SUM Max= 10.0

