Status report after exp. FRS000 (16-19 Mar 2009)

Expert team (28.03.09)

Detector test

Beam: $^{96}Ru^{42+}$ @500 MeV/u , i =10^7 /spill , spill lenght 2 s (machine cycle 4 s)
parasitic to FOPI (block mode)

TA-Matter: SIS-window C 0.035 mg/cm2
Target Be 2513 mg/cm2
TS1ET5:pos. 35

S2-Matter: SC21 Sci BC400 0.32 cm
TS3ESA_S: 195 mm

S4-Matter: TPC in vacuum (MW41 pocket), standard Rising setup up to SC41 (0.1 cm), degrader, Twin Music and ITAG (3mm Al stopper).

Beam aligned at the target with CG01/CG02, CG11 at S1, all other focal planes using MWPC.

Detector	HV setting
MW21A	V 3100
MW22A	V 2900
MW31A	V 3000
MW41A (on air)	V 3200
MW42A (on air)	V 3100

All MWPC worked. MW41L pre-amp substituted. MUSIC pre-amp type B.

Detector	HV setting(V)
SC01	2000
SC21L	2000
SC21R	1854
SC41L	1600
SC41R	1650
SC42L	1000
SC42R	1000
SC43L	1500
SC43R	1500
GeL	+ 4000

Standard optics TA2b-Rising used.

With 2s spill for ~ 10^5 /spill ^{96}Ru beam on target (Seetram could not show any counts) with settings for ^{94}Ru and all slits open:
- total counting rate at S2 : 4.5kHz
- total counting rate at S4 : 2.0 kHz