Status report after exp. FRS000 (2-6 October 2009)

Expert team (08.01.10)

Detector test

Beam: $^{238}U^{92+}$ @750 MeV/u , i =10^2-10^8 /spill , spill length 2 s (machine cycle 4 s)
Parasite to Cave C (continuous 2-4 october, block mode 5-6)

TA-Matter: SIS-window C 0.035 mg/cm2
90 mg/cm2 Cu on TS2ET2
Seetram

S2-Matter: SC21 Sci BC400 0.3 cm
TPC23
SC22
Plastic membrane of LYCCA (see R. Hoischen PhD Thesis)
Diamond from York (the 6th October for few spills only)
TPC24

S3-Matter: SC31 0.52 mm BC400 plastic, present only for few spills 5th October

S4 Matter: TPC41, music41 (with P10), music42, TPC42, sc41, sc42, degrader, sc43 (RISING stopped beam label sc42),
From the 2nd to 4th : stopper, sc44 (Rising stopped beam Veto detector), Ge detector
From 5th to 6th : old music 43

For the 2nd to 4th of October a setting from the RISING S361 experiment was loaded : ^{98}Zr setting.

Beam aligned at the target with CG01/CG02, at S1 with MW11, at S2 with MW22, S4 with MW41 and MW42.

Detector	HV setting
MW11	2400 V
MW21A	2700 V
MW22A	2700 V
MW41A	2900 V
MW42A	2900 V

For the TPC :

Detector position	HV setting dynode	HV setting
TPC21	2400V	640 V
TPC22	2400V	640 V

TPC41	2400V	640 V
TPC42	2400V	600 V

For the plastics:

Detector	HV setting(V)
SC01	1700
SC21L	1800
SC21R	1650
SC22L	2000
SC22R	2000
SC41L	1500
SC41R	1500
SC42L	1400
SC42R	1400
SC31L	2500
SC32R	2500

TDC calibrations for the TPC were done, results in agreement with online calibration within 2 mm.

Standard optics TA2b-Rising used.