

Run Plan v2 - 30-04-2010

Changes:

v1 – first issue

v2 – changed Saturday shifter, moved start time to 16.00, changed initial beamline setting, removed Sunday shift altogether, added more detail on run procedure

Friday 30-04-2010

MOM: **Chris Rogers**

Shifter: **Ray Gamet**

BLOC: **Malcolm Ellis (from 16.00)**

Saturday 01-04-2010

MOM: **Chris Rogers**

Shifter: **David Adey**

BLOC: **Malcolm Ellis**

Start: Friday 14.00, continue as appropriate

Start: Saturday 9.00 (if required), continue as appropriate

1. Run up beamline for 200 MeV/c muons – 2 hours
2. With proton absorber OUT OUT OUT
 - Take 100 pulses
 - Check online plots
 - Try to do online reconstruction using stored data (to check data integrity)
 - Calculate number of events per pulse
3. Run through proton absorbers, taking 10000 events at TOF 1 with each absorber (enough to see a 0.1 % impurity) – see table.
 - If there is no proton signal at a particular thickness, it probably doesn't make sense to go to higher thickness.
 - We run with OUT OUT OUT at beginning and end to check run conditions. Repeat analysis outlined above.
 - 1e4 events is chosen to see a 0.1 % impurity, which is probably more than we need.
4. If all goes well, repeat with different magnet currents.

Prerequisites:

1. Authorisation to run from ISIS.
2. ATW etc from Willie.

Step	Total thickness [cm]	1 cm absorber	3 cm absorber	5 cm absorber
1	0	OUT	OUT	OUT
2	1	IN	OUT	OUT
3	3	OUT	IN	OUT
4	4	IN	IN	OUT
5	5	OUT	OUT	IN
6	6	IN	OUT	IN
8	8	OUT	IN	IN

9	9	IN	IN	IN
10	0	OUT	OUT	OUT