

 [Mon Jul 2 15:28:33 2007, 945, TP, Info, General, proton beam steering](#)

 [Wed Aug 8 14:41:36 2007, 945, TP, Info, General, proton beam steering](#)

 [Fri May 30 12:14:30 2008, 945, TP, Info, General, proton beam steering](#)

Message ID: 4163 Entry time: **Fri May 30 12:14:30 2008** In reply to: **3357**

Run:	945
Author:	TP
Type:	Info
System:	General
Subject:	proton beam steering

Results of the proton beam scan across target E, measured on 29/05/2008:

TargetE_protonBeamScan.data

Author: T. Prokscha, PSI, 30/05/2008

Rates in muE4 as a function of p-beam position on Target E, measured on 29/05/2008:
 Urs Rohrer, Martin Humber and me, performing the scan.

4.0-cm target E, 1.33 mA proton current (Ip rate in LEM; 1.4 mA shown in
 accelerator display)

Beam on beam dump, piE5 momentum -106 MeV/c (AHW41 = 0.7485)

Threshold for Ip refreshing NIM CFD103: -52mV

mue4 beamline setting: WSXon_30Jun2007_300kV_0-99p0_piE5-106MeVc.set
 LEM: new Ar/N2 moderator, 15kV settings, LEM 4-detector (Bperp) setup.

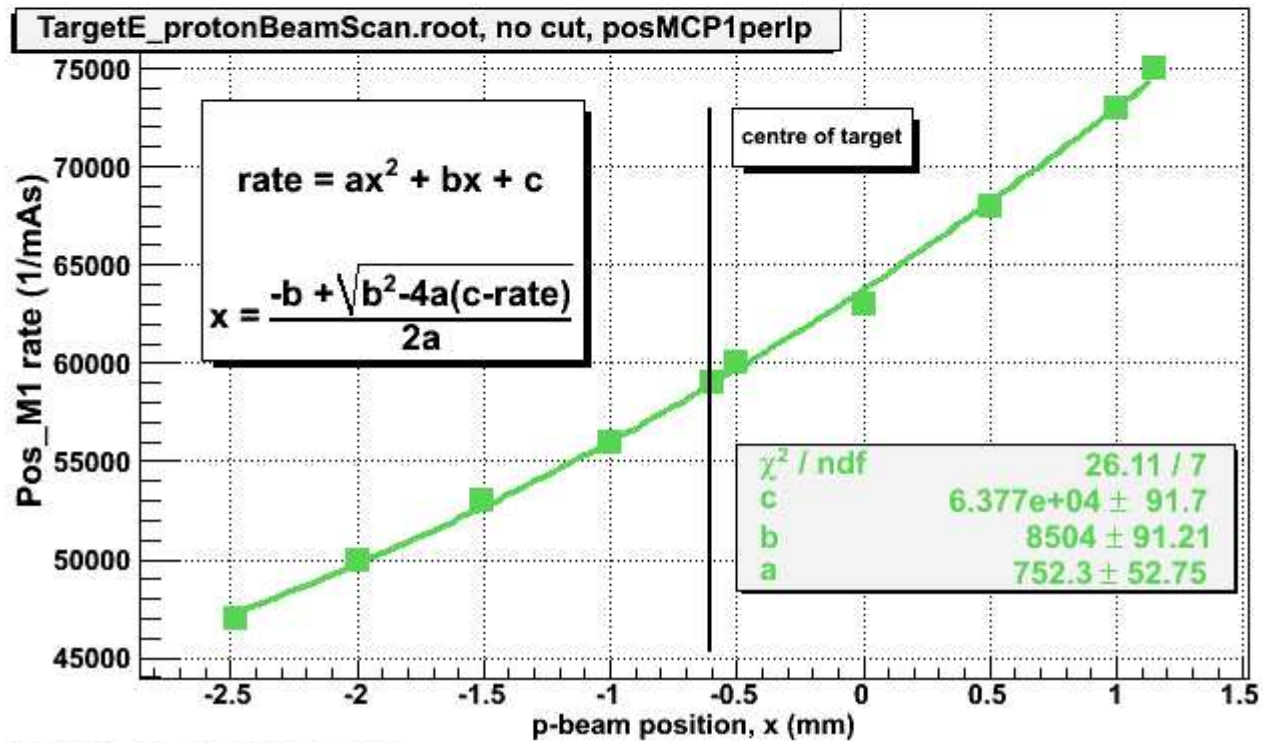
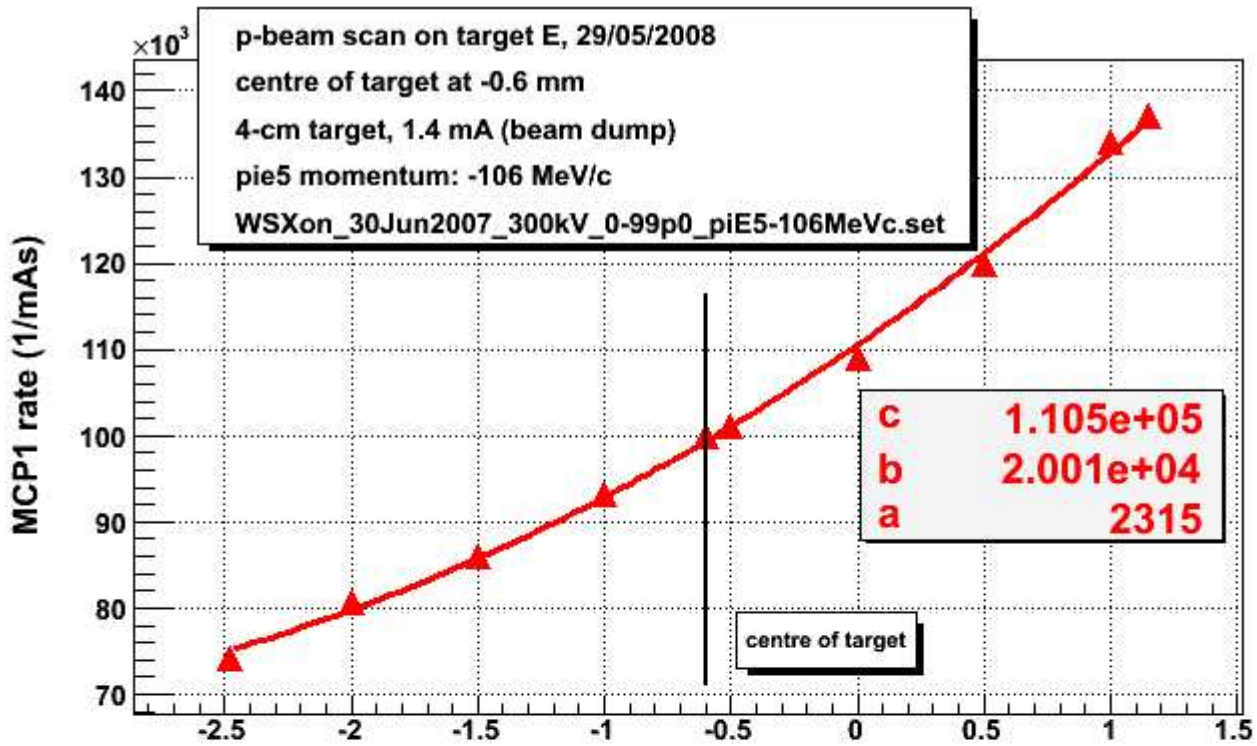
Proton position "-2.48 mm" corresponds to right edge (piE3 side), "1.15" mm
 corresponds to left edge (muE4 side)

Position in mm, rates are given 1/mAs, "-0.6 mm" is approximately the centre of
 target E.

Data:

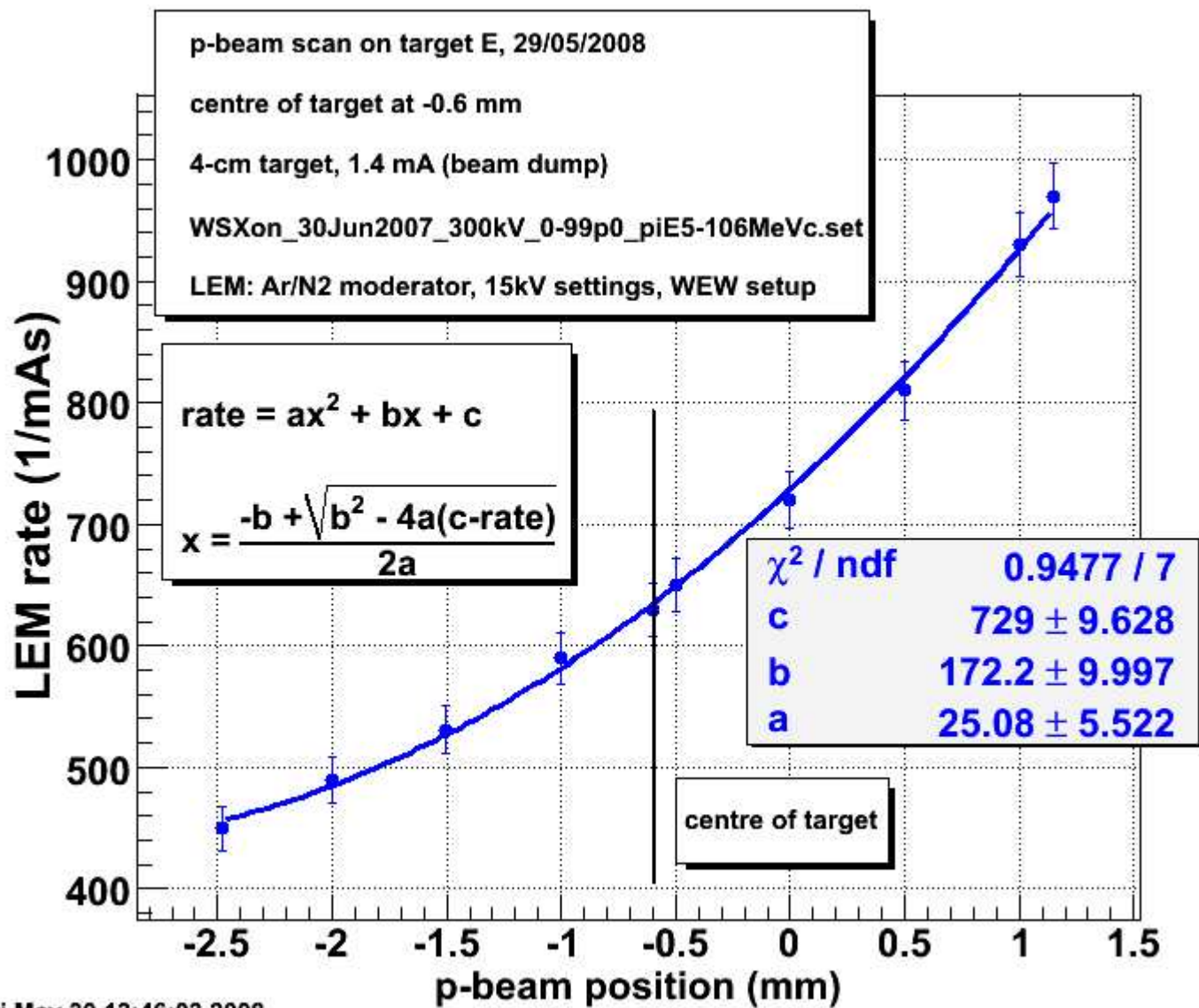
Position	MCP1perIp	posMCP1perIp	LEMperIp
-2.48	74300	47000	450
-2.0	80800	50000	490
-1.5	86000	53000	530
-1.0	93000	56000	590
-0.6	100000	59000	630
-0.5	101000	60000	650
0.0	109000	63000	720
0.5	120000	68000	810
1.0	134000	73000	930
1.15	137000	75000	970

Attachment 1: [TargetE_protonBeamScan.png](#) 37 kB | [Hide](#) | [Hide all](#)



Attachment 2:

TargetE_protonBeamScan_LEM.png 29 kB Uploaded Fri May 30 14:47:19 2008
[| Hide](#) | [Hide all](#)



Fri May 30 13:46:03 2008