

Run 20 September - 2009 Night

SPS

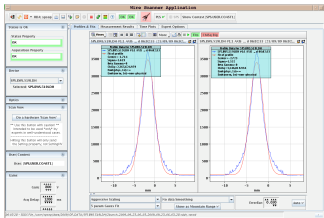
is logged.

FILTER: Piquets Expert INFO

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#	Time	H C 2	Comment
1	23:11		Moving Medipix in (RP1H1) 31.5 going by 0.5 mm Created by spsop from cwo-ccc-a0lc
2	23:11		Rene, Anthony Created by spsop from cwo-ccc-a7lc
3	23:17		Medipix threshold, since 16:30, is set at 280 counts (about 5000 electrons). Created by spsop from cwo-ccc-a0lc
4	23:20		Starting Crystal 1 angular scan. Created by spsop from cwo-ccc-a0lc
5	23:21		at roughly 23.15 the TAL was moved out of 3 mm and then back to the original position 63.2 mm. A clear shifting of the signal was visible on the medipix. Created by spsop from cwo-ccc-allc
6	23:22		Strating Crystal 1 scan in opposite direction (from -1000mrad) Created by spsop from cwo-ccc-a0lc
7	23:23		Intensity: 2.5 10 ¹⁰ Created by spsop from cwo-ccc-allc
8	23:24		Good channeling at -1800 mrad Very nice signal on GEM Created by spsop from cwo-ccc-a0lc
9	23:24		starting fast angular scan (crystal1) from -1000 to -2200 mrad starting angular scan in oppostote direction (from-2200mrad) Created by spsop from cwo-ccc-a0lc
10	23:30		medipix 34.4 mm new angular scan Created by spsop from cwo-ccc-allc
11	23:37		angular scans back and forward from -2000 to +2000 urad. The main channeling peak is visible at about -1700 urad. At least two more side channeling peaks are observed. Created by spsop from cwo-ccc-allc
12	23:39		Stop in the main channeling peak and taking a measurement with the medipix. Created by spsop from cwo-ccc-allc
13	23:41		going toward the edge of the beam with the medipix - steps of 100 um - starting from 34.4 up to 35.4. Created by spsop from cwo-ccc-allc
14	23:45		tal out of 5 mm. Changes at the medipix Created by spsop from cwo-ccc-allc
15	23:46		medipix out. Created by spsop from cwo-ccc-allc
16	01:26		at about 12:00 2 collimator scans @ 25 um/sec starting from -2.8 um to -16.4 um 560 steps Created by spsop from cwo-ccc-allc
17	01:26		at about 12:43 begin cherenkov scan Created by spsop from cwo-ccc-allc

18	01:56	cherenkov tests finished we go to medipix single frame for calibration.	Created by spsop from cwo-ccc-alle
19	01:58	beam intensity 150 10 ⁸ p	Created by spsop from cwo-ccc-alle
20	02:00	going with the medipix to 33 and then in smaller steps	Created by spsop from cwo-ccc-alle
21	02:21	medipix at 33.5 mm, angle -1714urad we stay here and we do the single frame acquisition (50 usec) done 400 frames, 50usec each	Created by spsop from cwo-ccc-alle
22	02:22	inserting the medipix 1 mm further in	Created by spsop from cwo-ccc-alle
23	02:26	inserting the crystal 1 mm more in (up to 35.5mm) we see a clear signal on BLM8 and BLM6 We try to get measurements for 2 min	Created by spsop from cwo-ccc-alle
24	02:29	go back with the medipix at 34.5. Stay there and do the angular scan from -4700urad. waiting a nice movie from emanuele. 8 steps/sec.	Created by spsop from cwo-ccc-alle
25	02:40	-3550urad start angular scan, channeling peaks at: -1800urad (most intense) +500 urad +1400 urad +3500 urad final position +4000 urad.  20090923023931.png	Created by spsop from cwo-ccc-alle
26	02:52	crystal 1 in amorphous position Slow collimator scan from alignment position to retracted position 25 um/sec from -2.8 to -16.8 (560 steps)	Created by spsop from cwo-ccc-alle
27	03:05	crystal 1 out, collimator right jaw at -2.8mm. We start alignment of crystal 2	Created by spsop from cwo-ccc-alle
28	03:12	TAL aligned at 65mm,	Created by spsop from cwo-ccc-alle
29	03:17	Left jaw set at 3.6mm, Right jaw -2.72. TAL at 62mm then new alignment at 66.7mm (then 3mm out)	Created by spsop from cwo-ccc-alle
30	03:30	Alignment Crystal 2. Final position 78.4mm.	Created by spsop from cwo-ccc-alle

31	03:43	Alignment RP 1. Final position 36.128 mm	Created by spsop from cwo-ccc-alle
32	04:02	open collimator	Created by spsop from cwo-ccc-alle
33	04:03	open crystal and medipix	Created by spsop from cwo-ccc-alle
34	04:03	align medipix with TAL medipix position 35.4 mm re-insert the right collimator jaw at the alignment position (2.72mm) re-align the crystal->78 mm	Created by spsop from cwo-ccc-alle
35	04:12	angular scan of crystal 2 with medipix at TAL aperture. Collimator out.	Created by spsop from cwo-ccc-alle
36	04:23	channeling position at -1362 urad. Collimator scan.	Created by spsop from cwo-ccc-alle
37	04:49	waiting for new beam: high intensity 4 batches of 10 ¹²	Created by spsop from cwo-ccc-alle
38	05:54	We didn't manage to have the foreseen intensity, we go with two batches of 10 ¹² protons each	Created by spsop from cwo-ccc-alle
39	06:03	emittance measurement: 3.18E-8 m rad	Created by spsop from cwo-ccc-alle
40	06:04	Wire scan  20090923060438.png	Created by spsop from CWO-CCC-A0LF
41	06:23	Collimator beam based alignment: left jaw at 5.9mm right jaw at -5.05mm corresponding to 6 sigma closed orbit = 425um	Created by spsop from cwo-ccc-alle
42	06:30	TAL alignment 62.4mm (we retract the TAL by 1sigma = 1.7mm)	Created by spsop from cwo-ccc-alle
43	06:35	Crystal 2 alignment: 75.294mm	Created by spsop from cwo-ccc-alle
44	06:37	angular scan of the crystal 2 Stop in VR position, collimator scan.	Created by spsop from cwo-ccc-alle

FAULTS

#	Group	Fault	Element	Description	Begin	End	Duration
NO FAULT							

