

second time second IHEP

17.05.2009

batch measured

SEM	Box pos.	SEM	Ratio	
Run Nr.	ch. number	Nr.	signal/pic (with Beam)	$r \Rightarrow \times 10^{-14}$ $l \Rightarrow \times 10^{-15}$
432	1 r	374	$2.3 \times 10^{-14}$	repaired SEM
433	2 r	371	$1.8 \times 10^{-14}$	repaired SEM
434	3 l	365	$5.4 \times 10^{-15}$	repaired SEM
435	4 l	362	$3.2 \times 10^{-15}$	repaired SEM
439	5 l	381	$5.0 \times 10^{-15}$	repaired SEM
438	6 l	370	$3.3 \times 10^{-15}$	repaired SEM
437	7 r	373	$1.8 \times 10^{-14}$	repaired SEM
436	8 l	96	$2.6 \times 10^{-15}$	repaired SEM
440	9 r	379	$2.3 \times 10^{-14}$	repaired SEM
441	10 r	192	$1.7 \times 10^{-14}$	repaired SEM
442	11 r	372	$2.2 \times 10^{-14}$	repaired SEM
443	12 l	369	$5.1 \times 10^{-15}$	repaired SEM
447	13 r	333	$2.2 \times 10^{-14}$	repaired SEM
446	14 l	366	$6.8 \times 10^{-15}$	repaired SEM
445	15 r	380	$2.4 \times 10^{-14}$	repaired SEM
444	16 r	376	$2.1 \times 10^{-14}$	repaired SEM
	1			
	2			
	3	NO MORE SEM'S AVAILABLE		
	4			
456	5 l	368	$1.6 \times 10^{-15}$	repaired SEM
457	6 l	361	$4.6 \times 10^{-15}$	repaired SEM
458	7 l	364	$4.8 \times 10^{-15}$	repaired SEM
459	8 l	363	$4.3 \times 10^{-15}$	repaired SEM
455	9 l	360	$4.4 \times 10^{-15}$	repaired SEM
454	10 r	377	$2.0 \times 10^{-14}$	repaired SEM
453	11 l	367	$4.2 \times 10^{-15}$	repaired SEM
452	12 l	378	$3.6 \times 10^{-15}$	repaired SEM
448	13 r	338	$3.1 \times 10^{-14}$	repaired SEM
449	14 r	292	$2.7 \times 10^{-14}$	repaired SEM
450	15 r	229	$1.9 \times 10^{-14}$	repaired SEM
451	16 r	375	$1.7 \times 10^{-14}$	repaired SEM

Finished SEM calibrations  
on 17/05/2009  
② 21<sup>30</sup>

12/6/2008

SEM LHC

Total SEM to be installed	303
SEM installed in the tunnel	255
SEM to be installed in the tunnel	48
SEM in stock	90
Spare after total installation	52 ( probably with 6 unserviceable)

Details SEM in stock

SEM unserviceable	1	leakage current (with HV) 173 pA	n:212
SEM with 150K	2	tested in H4	
SEM with RC	57	to be tested in H4	
SEM without RC	14	to be tested in H4	
SEM not good	16	to be tested in H4	
<b>To be tested</b>	<b>87</b>		
<b>Total</b>	<b>90</b>		

SEM found not good	no HV pA	with HV pA	9/6/1008	with HV pA
131	< 0,1	< 0,1		< 0,1
25	< 0,1	< 0,1		< 0,1
84	< 0,1	8,5		8,7
214	< 0,1	< 0,1	no HT connection	< 0,1
166	< 0,1	< 0,1	no HT connection	< 0,1
145	< 0,1	1		1,1
122	< 0,1	< 0,1		< 0,1
204	< 0,1	< 0,1	no HT connection	< 0,1
106	< 0,1	< 0,1	no HT connection	< 0,1
186	< 0,1	2,6		2,8
97	< 0,1	< 0,1	no HT connection	< 0,1
316				< 0,1
149	< 0,1	56		13,1
127	< 0,1	< 0,1		< 0,1
190	< 0,1	3		3,8
307				< 0,1
212	< 0,1	173		

Procedure original SEM. of LUEPI

372	379	338	374	38	372	96
362	371	368	192	369	367	363
380	292	229	333	370	376	361
373	378	375	366	364	360	365

19.06.08

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28 ans

Measurements with the specific code done by Enrico:

Ethernet => connect an Ethernet cable between the computer and the device (Ethernet to GPIB)  
plug the power then use the reset button to fix the IP to internal (not to DHCP). Maybe this is  
already ok since this setting has been entered in the device.

LINUX setting: the computer should have the IP address set to 192.168.1.10 and not to automatic.

Before starting the script => for the Q measurement, press "Z-check" 2x, trig the measurements then  
press the "REL" for relative measurements.

Start linux cern distribution

Login with "root" user and password "~~Venture...~~"

Start the terminal:

"Venture-13"

cd /home/specop/blm

./blm.sh