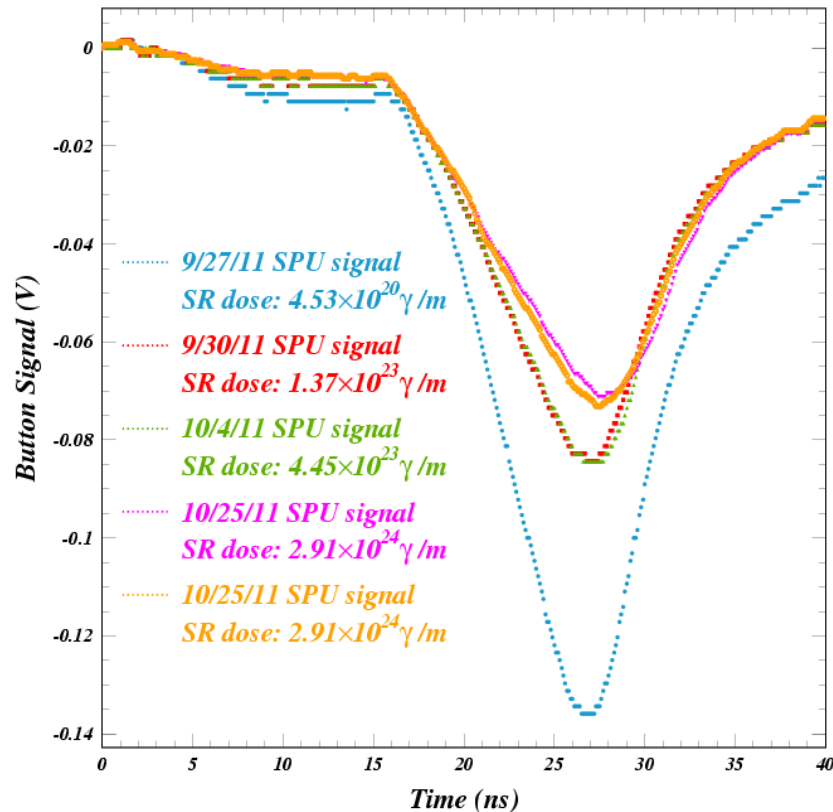




Early Conditioning Study of the α -Carbon Chamber at 15W

Vacuum chamber comparison: 5.3 GeV e^+ 3 mA/bunch 15W



*Why is no conditioning effect apparent
between 9/30 and 10/4 ?*

1) Is there a dependence on the recent beam history?

The 9/30 data were taken after CHESS beam.

The 10/4 data were taken after an access.

Yesterday JPS took data before and after the access.

The change in the SPU signal is less than a few percent.

2) Is there a dependence on the local vacuum gauge reading?

Date	File	CERN	CONDX	B15W	Q15W
10/25	49	5727	47288	286	495
10/25	73	5969	47296	410	468
10/04	233	5905	45448	607	685
09/30	63	5923	45387	573	707

The vacuum at Q15W was not worse on 10/4 relative to 9/30.

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Electron Cloud Meeting

26 October 2011

