

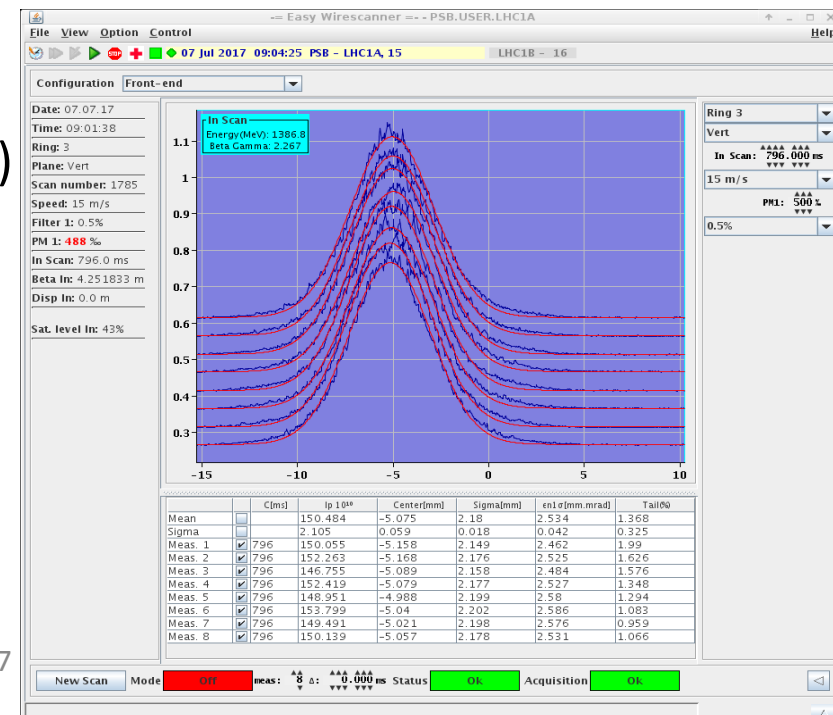
PSB Status

- Operation

- All operational beams available and within specifications
- Recently production of many LHCINDIV-type MD beam variants for SPS and LHC MDs (low int low bright, high int low bright, high int high bright...); R2 had to be set up for some MDs instead of R3 due to BR3.C16 issue

- ITS2 main activities

- Exchange of R3V wire scanner → position jitter gone, now only waiting for upload of correct calibration table
- Vacuum leak repair in BT line (BTV)
- Repair of R3 C16 cavity (see next slides)

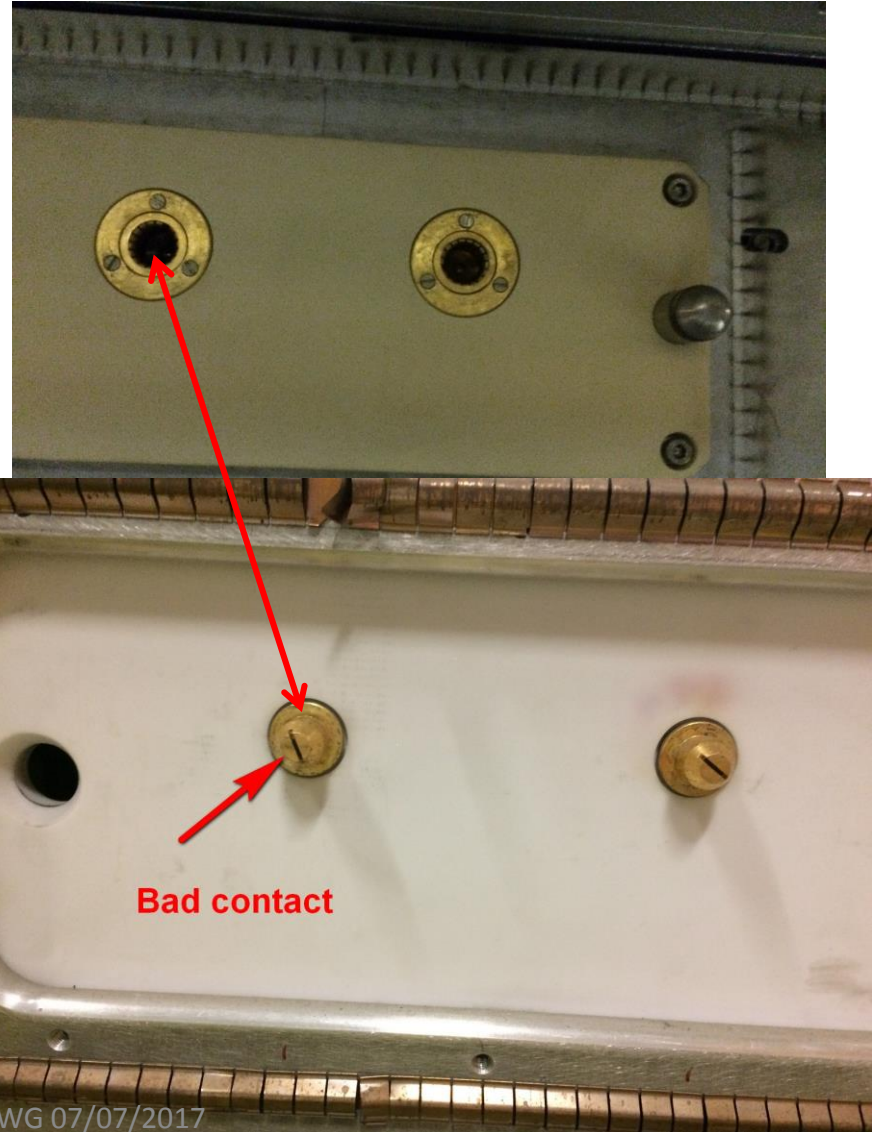
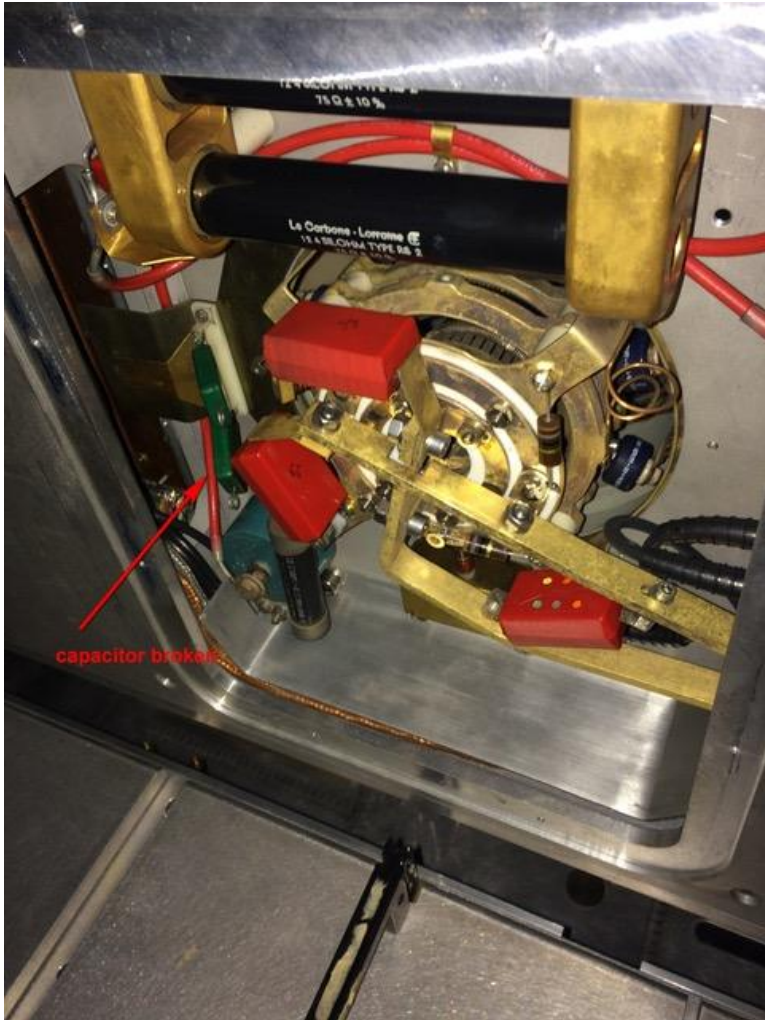


R3 C16 Interventions

- Broken capacitor for the Decoupling Driver 130W and Grid (Ring Final Amplifier)
- Broken Screen Control Unit (Module BRF2)
- Replacement of RF Tube (Ring Final Amplifier)
- Bad contact: HV RF contact Final Amplifier to Cavity → replacement of male contact
- HV power supply overload protection broken

- New calibration for C16 of all 4 rings

R3 C16 Interventions

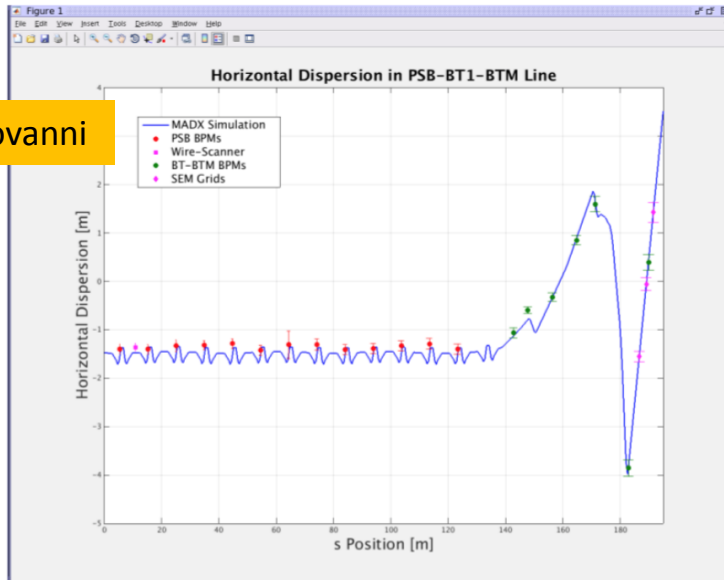


Dispersion Measurements – BTMS follow-up

Horizontal Dispersion R1

2016

G.P. Di Giovanni

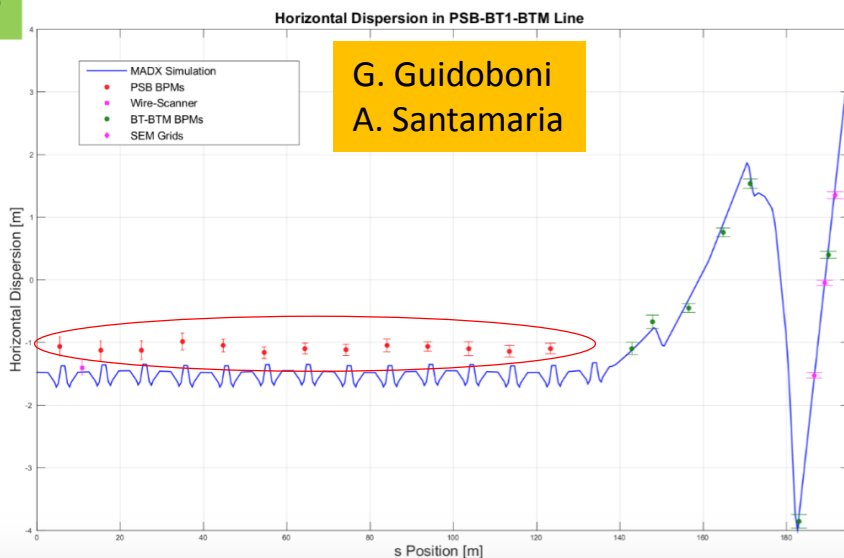


- ‘Offset’ of measured dispersion in all PSB rings wrt 2016 (same optics model used)

- BI (J. Belleman) is checking the calibration of the BPMs; first quick checks indicated a factor 6/5
- Need to solve this before continuing other MDs
- Also important of course for daily operation

2017

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07/2017

BCMS Brightness from PSB

