

MD on Beam Scope Window Shavers, 2/10/2014

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<http://elogbook.cern.ch/eLogbook/eLogbook.jsp?shiftId=1057674>

USERS > MD6

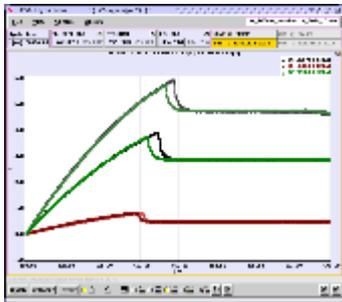
MD on Beam Scope Window Shavers - Summary

With the help of JM Cravero we managed to have a similar risetime on DBS7L4 and DBS9L4 at low current. Still some issues as it is not reproducible... JMC is following it up.

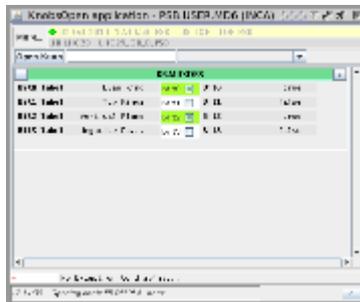
We took measurements of intensity, emittances and trajectories with 'MD_160MeV_WBSshaving_2014_Clone', 2 turns injected on Ring2 (had to adjust Qstrips and position/angle).

Shaving - in vertical, positive polarity - starts at C450 (i.e. on the 160MeV plateau) and we put 3A,4A,5A on DBS7L4 and DBS9L4. DBS8L4 was at 0.5A (as low as possible as we didn't want to put it in Standby).

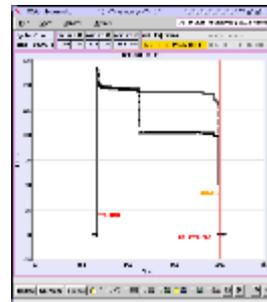
MK, EB



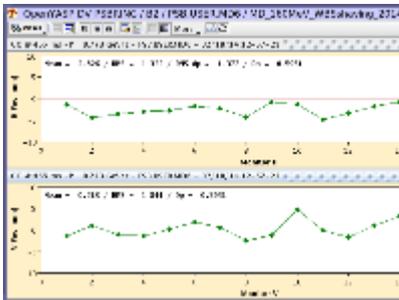
DBS7,8,9.png



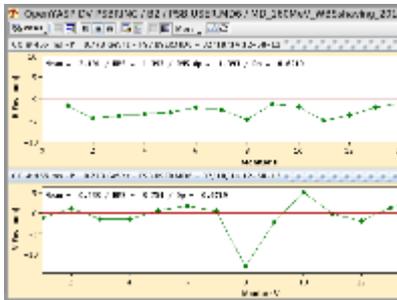
4bits values in the JMN matrix .png



BR2.BCT_3A_or_5A_on_DBS 7,9.png



trajectories@C455_noshav ing.png



trajectories@C455_DBS_at _3A.png

Next steps:

- Analyse results
- Take measurements with higher accuracy (i.e. scan for $\Delta A=0.25A$)
- Take measurements on the ramp and for 63 MeV.