

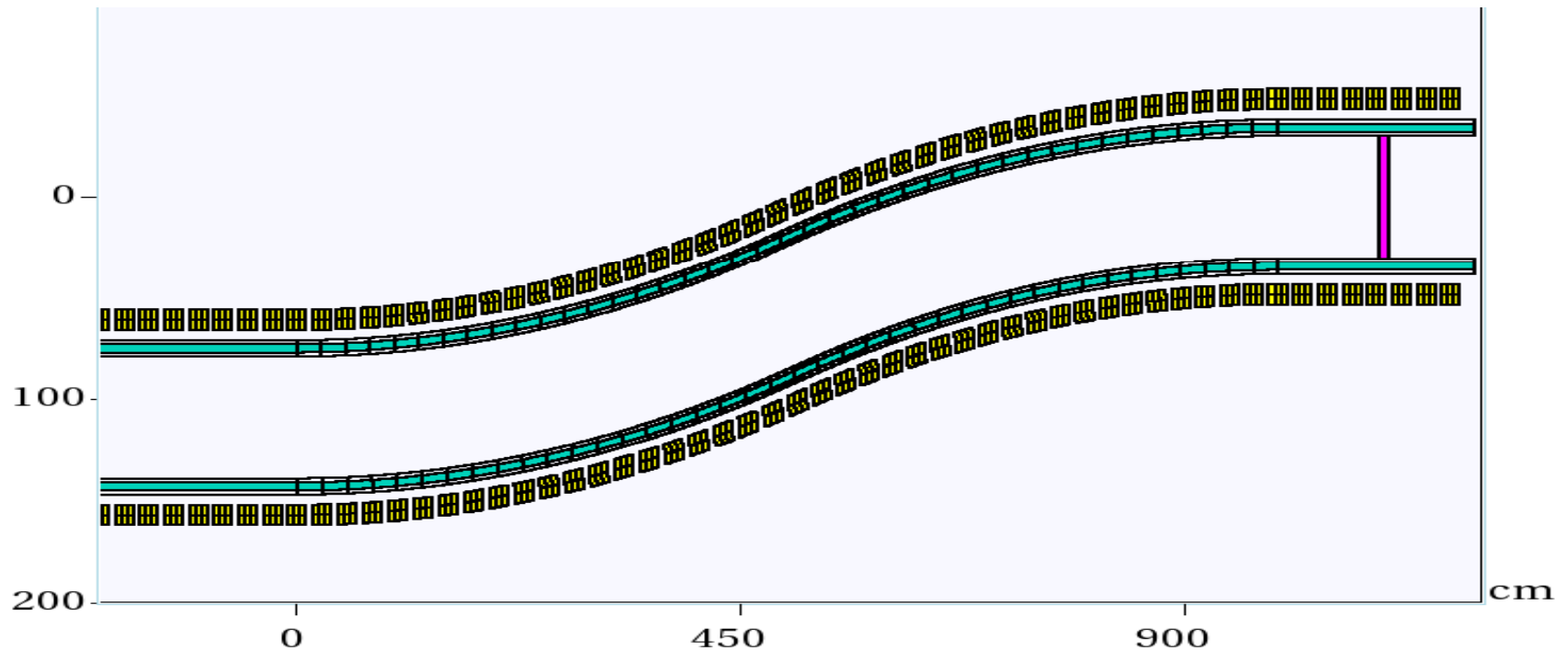
Post-RDR-draft update on chicane shielding and energy deposition

Pavel Snopok

Front end phone meeting

August 13, 2013

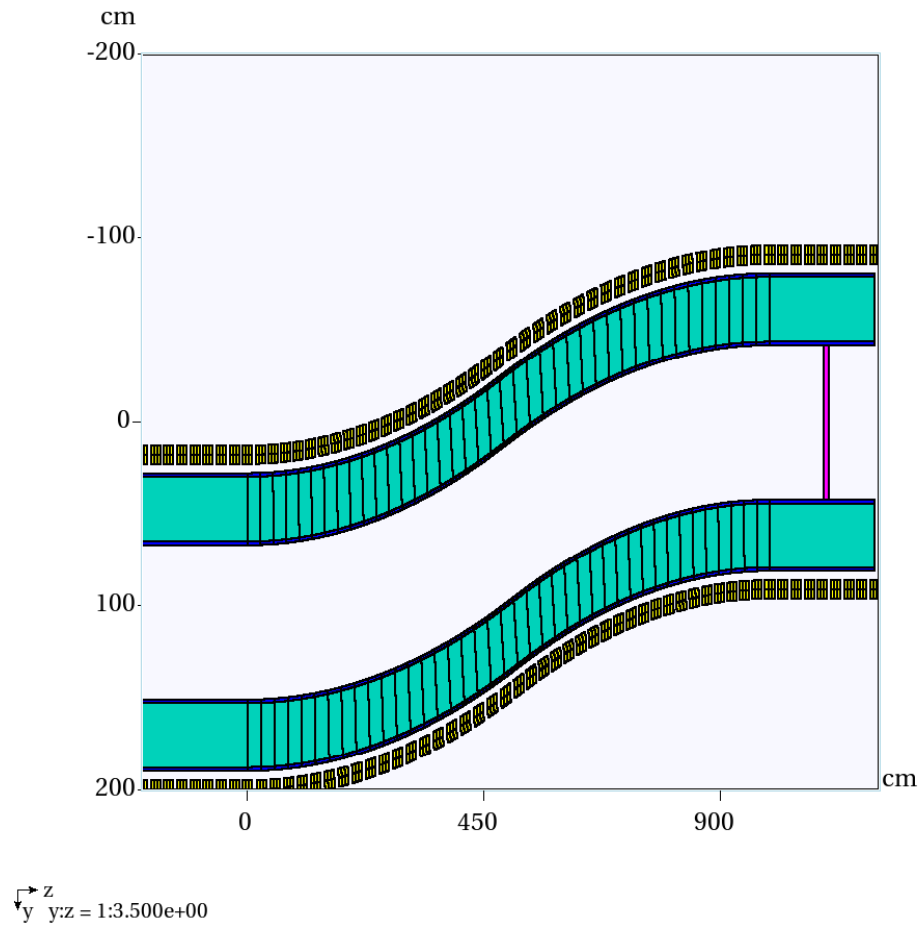
Simulation update



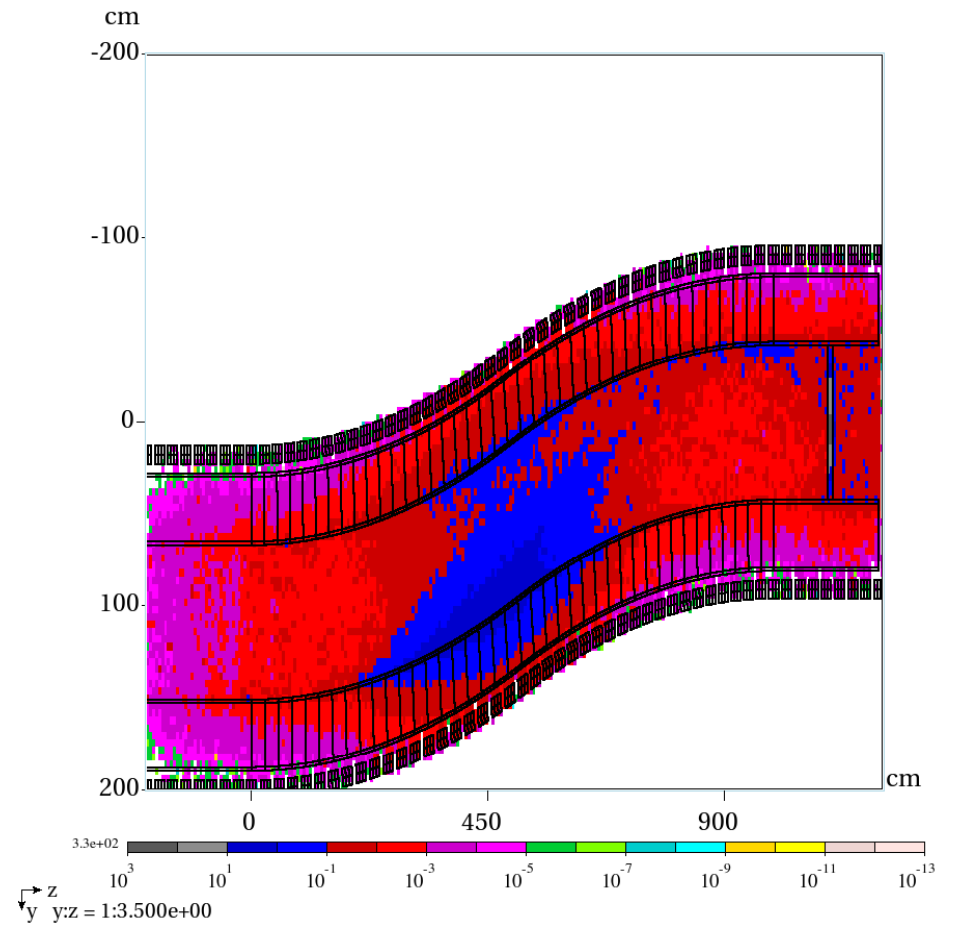
$\vec{y} \rightarrow z$
 $y:z = 1:3.500e+00$

- $Z=0$ now corresponds to 19 m downstream of the target to be consistent with RDR.
- W density reduced to 60% to take into account packing fraction for beads.

Uniform 35 cm shielding

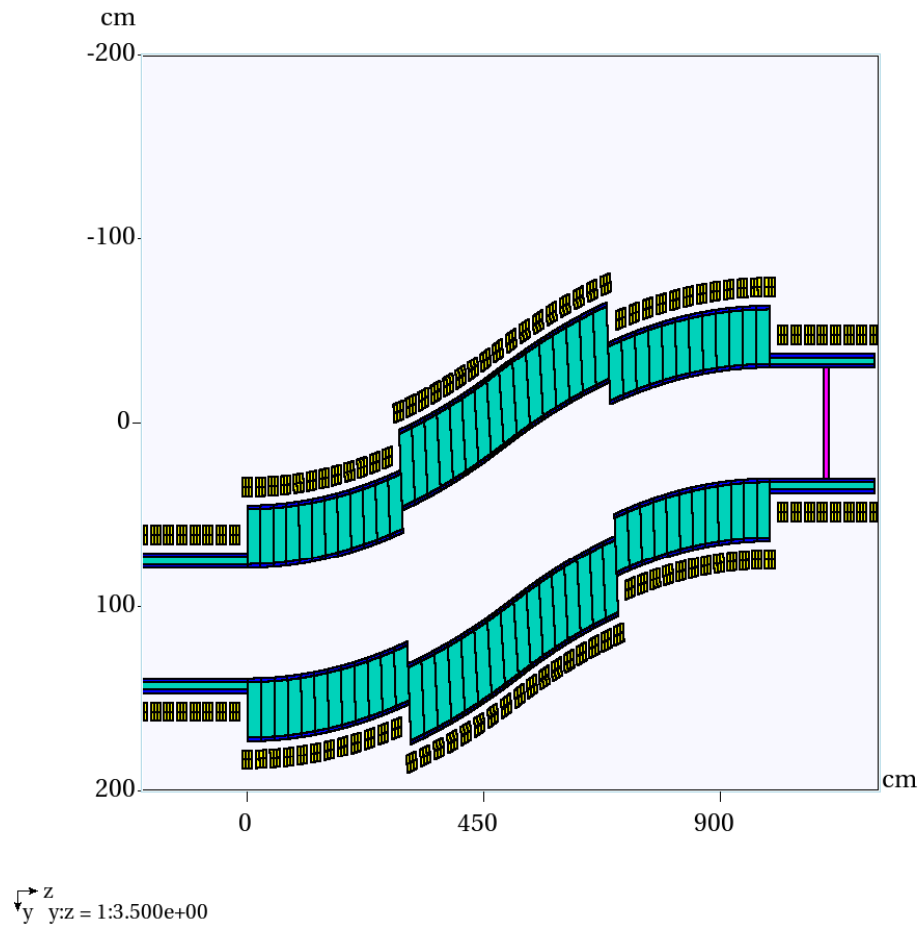


Empty channel

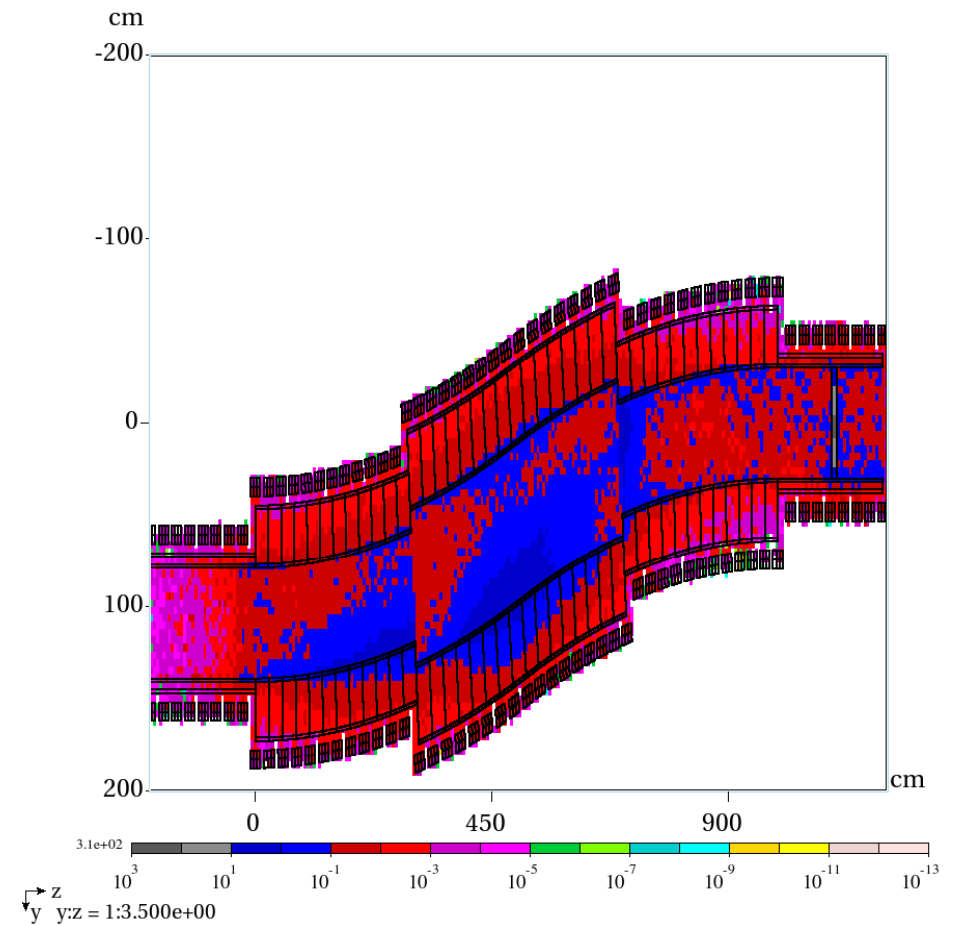


PD total, mW/g

Non-uniform 30 and 40 cm shielding

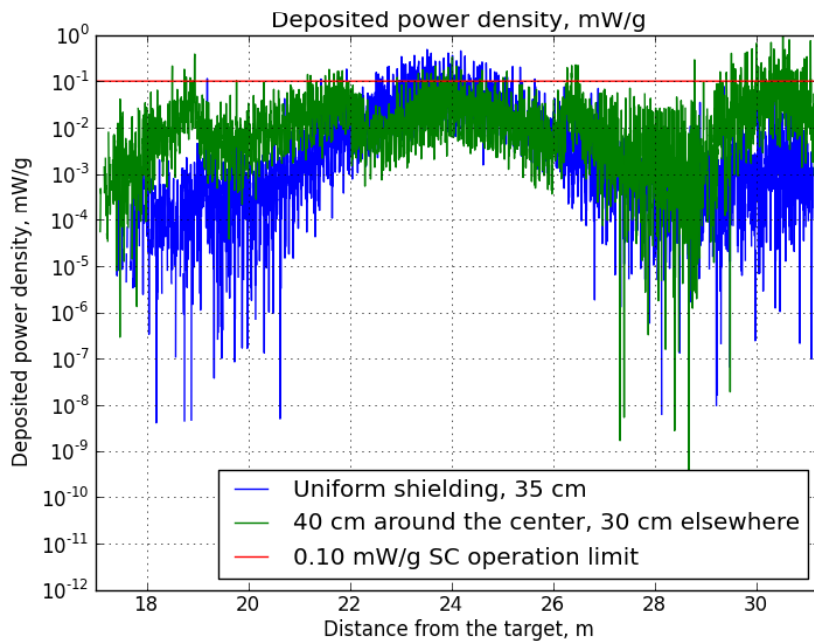


Empty channel



PD total, mW/g

Overall DPD per coil/segment



Segmented coil analysis, total DPD, mW/g



Average DPD per coil, mW/g

In both cases red line corresponds to 0.1 mW/g SC limit