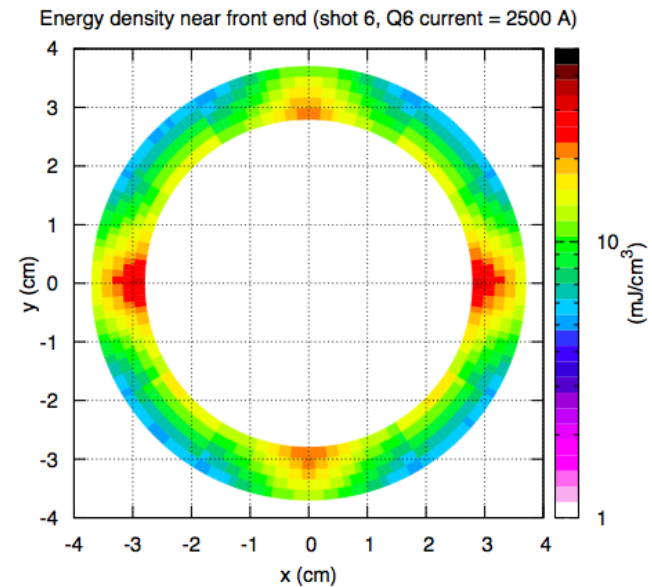
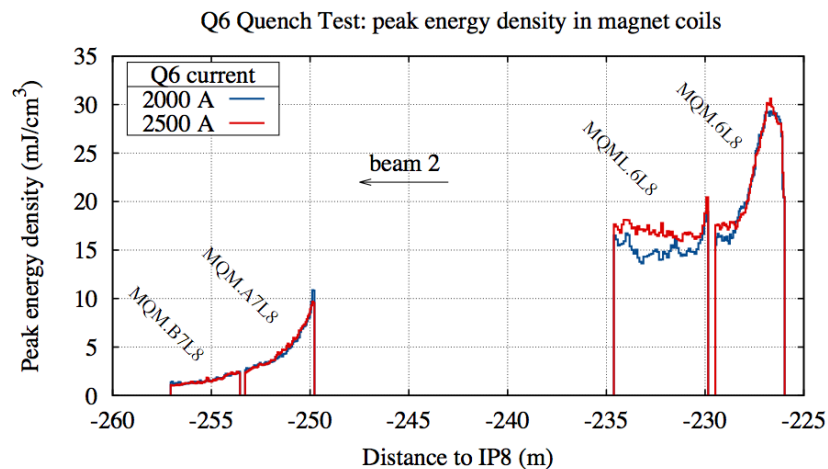
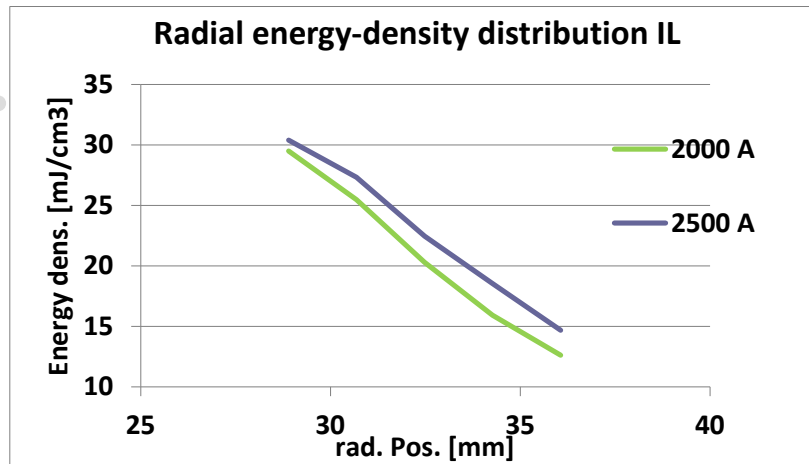


18.10.2013, QTAWG meeting, B. Auchmann

# **QP3 Analysis of Q6 Quench Test**

# FLUKA Input

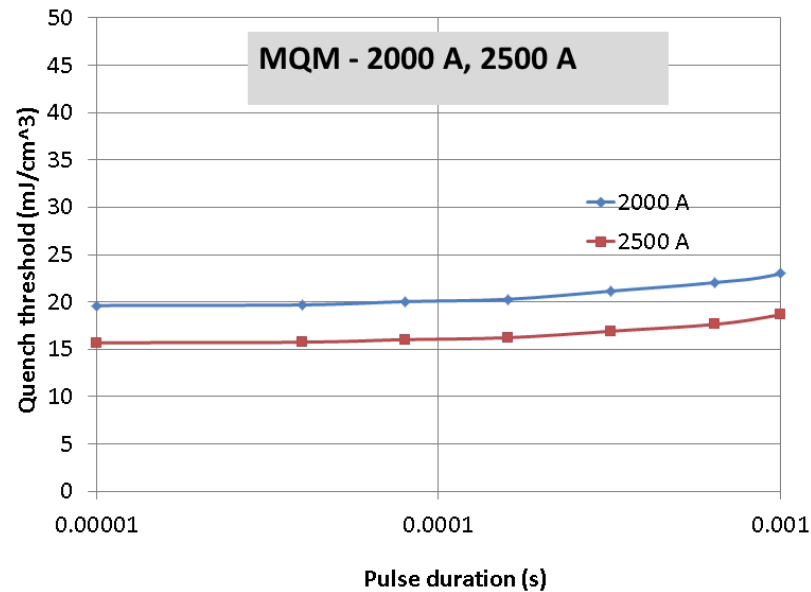


- ▶ Max. energy density in Q6 (MQM)
- ▶  $\sim 30 \text{ mJ/cm}^3$  for both 2000 A and 2500 A

Data presented by Nikhil Shetty,  
2<sup>nd</sup> QTAWG meeting.

# QP3 results

- MQM, 4.5 K, 2000 and 2500 A.
- Simulated quench level is 20 and 16 mJ/cm<sup>3</sup>.
- The experiment yielded no quench at 2000 A and a quench at 2500 A at 30 mJ/cm<sup>3</sup>.
- There is about a factor 2 between FLUKA and QP3 results.





[www.cern.ch](http://www.cern.ch)