

Clearing some confusions about ion collimation MD

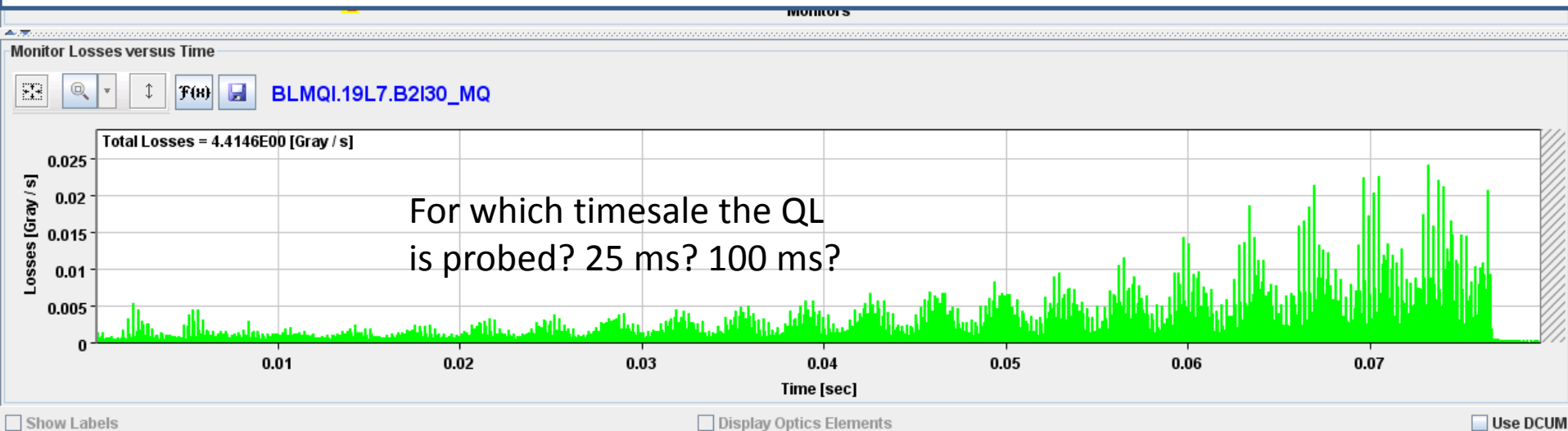
M. Sapinski 2012.02.03

Quench Level at 3.5 TeV

- Bump experiment – 5-6 s losses, quench limit well established.
- It is expected that ion quench test would give similar results, but...

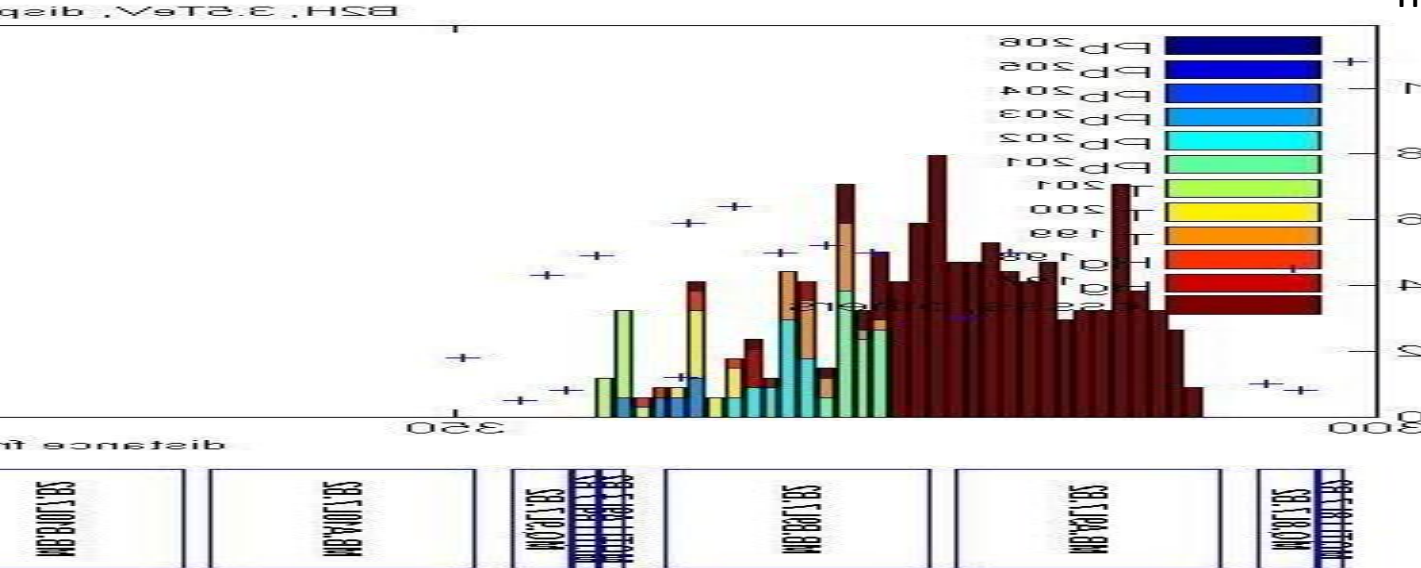
Ion MD

- losses only 0.2-1 s, Quench Limit higher by factor 100-2. QL is not well established for this timescale, especially for 0.2 s, BLMs could be pessimistic
- For ramp 2: loss very short with ~ 40 Hz modulation, which is not understood. Neither is total duration of the loss.



Ion MD

Expected loss pattern from G. Bellodi



Signal in monitor 3 loss-pattern-dependent. Use of monitor 2 is recommended for QL investigations.

