

ADT FAST LOSSES TEST

MD PLANNING

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Recreation of the conditions which are the most similar to the Quench Test foreseen in autumn

MD PLANING

MD #1 → ADT fast losses for UFO studies

Conditions:

Beams: **1 & 2**

Planes: **horizontal & vertical**

Beam intensity: **1 pilot bunch (10^{10} protons)**

Loss duration: **milliseconds**

Additional settings: Asymmetric placement of collimator jaws to recreate conditions of losses during quench tests (losses only on one side of a magnet)

Short program (2h) :

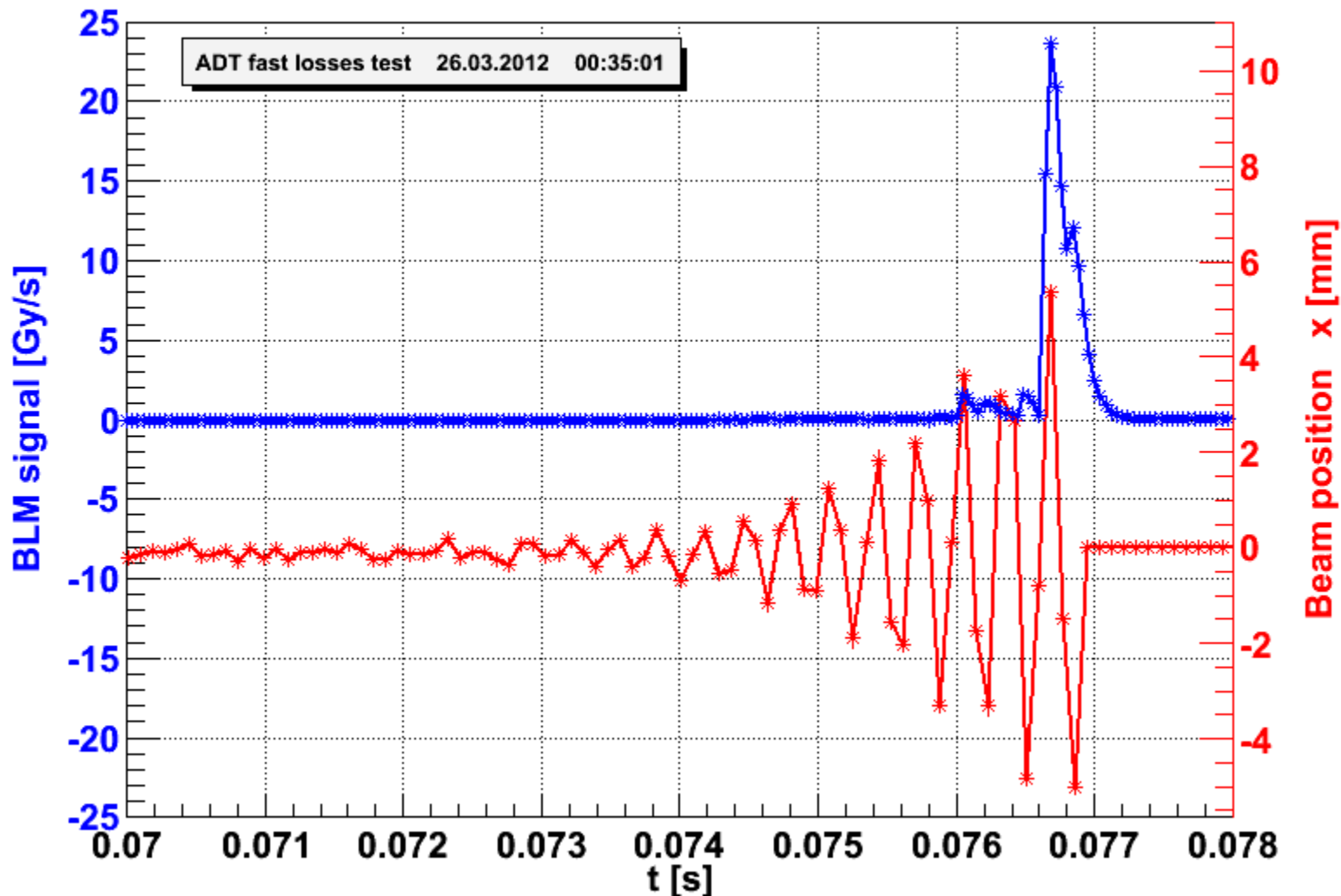
Energy: **450 GeV**

Full program (6h) :

Energy: **450 GeV & 4 TeV**

If we have enough time, we would like to investigate steady state losses as well.

BLM & BPM SIGNALS



BPM_max_y = 5.37 mm

BPM_min_y = -5.00 mm

BLM_max_y = 23.63 Gy/s BLM_max_x = 0.07668 s