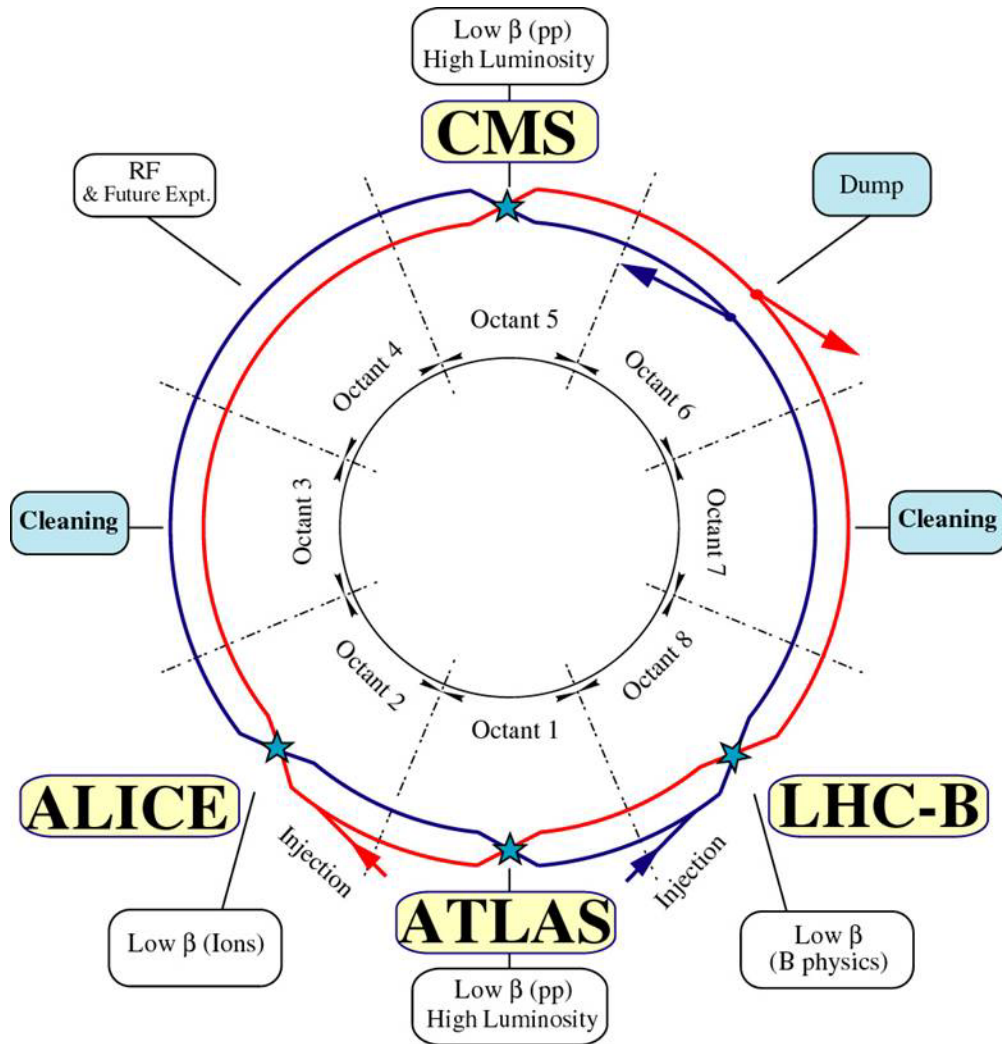


# UFO Event in MKI

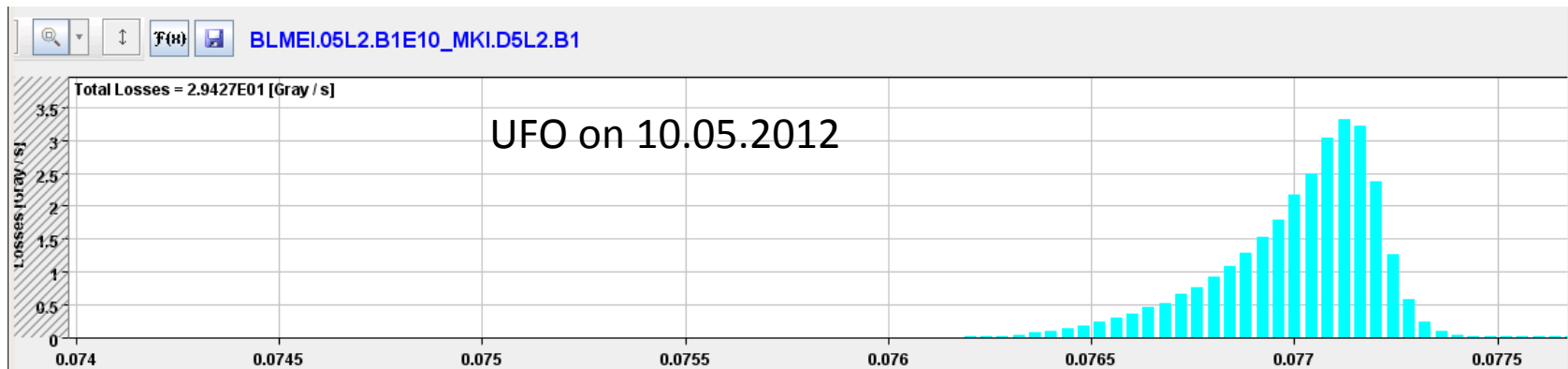


**b-tu** Brandenburg  
University of Technology  
Cottbus

14<sup>th</sup> of May 2012  
CMS/FCAL Meeting  
Maria Hempel

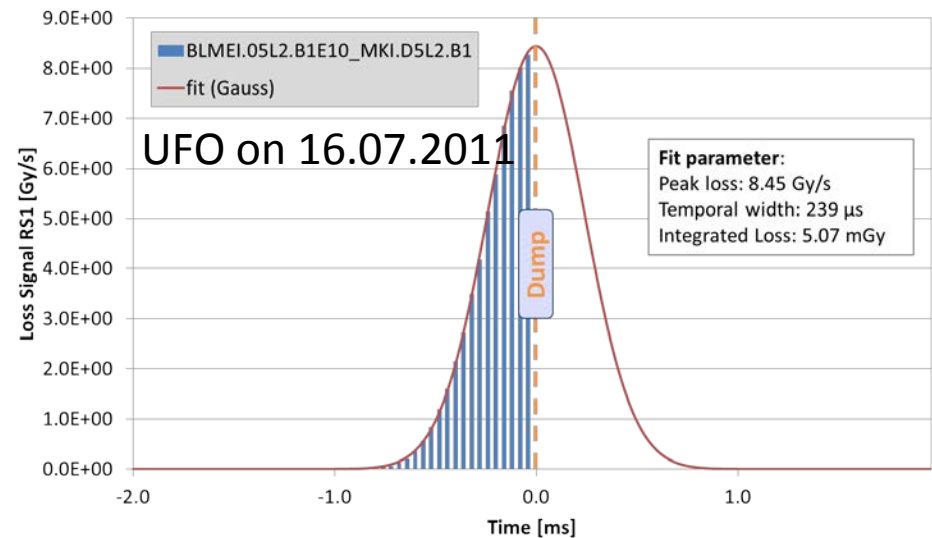
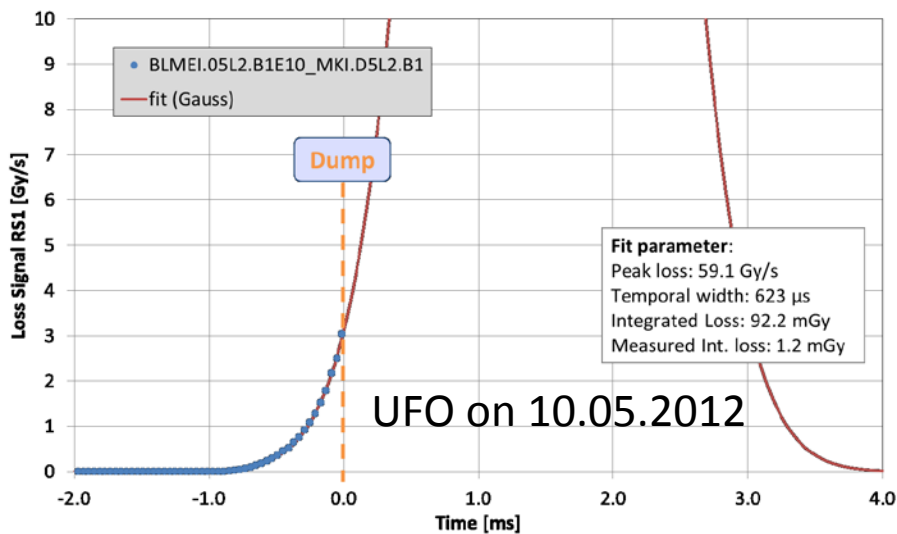
# BLM Monitor

- UFO in MKI.D5L2 on 10.05.2012 that leads to large losses and beam dump



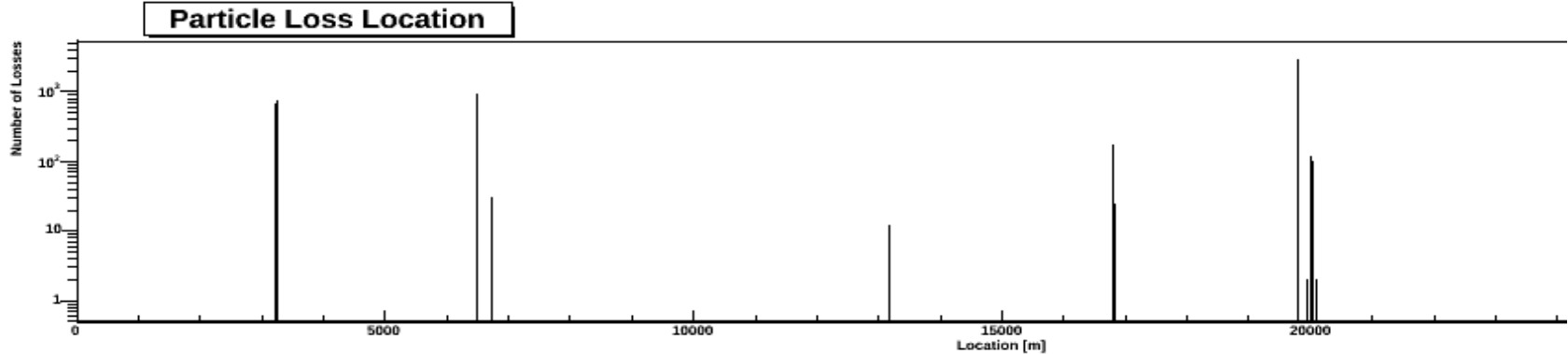
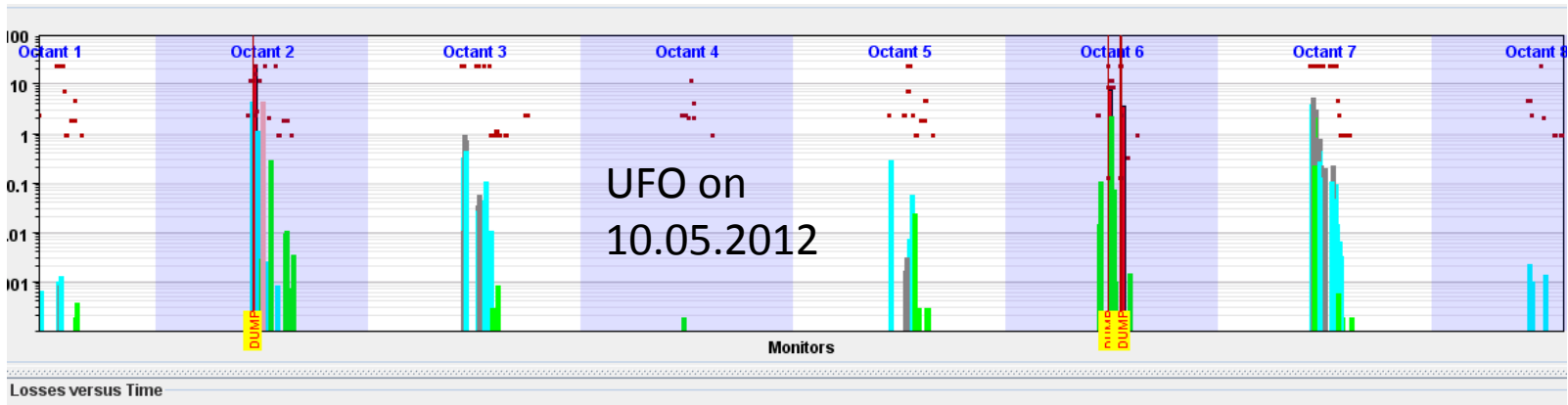
# Gaussian Fit

- Loss profile of an UFO is Gaussian



- Large losses expected for UFO on 10.05.2012

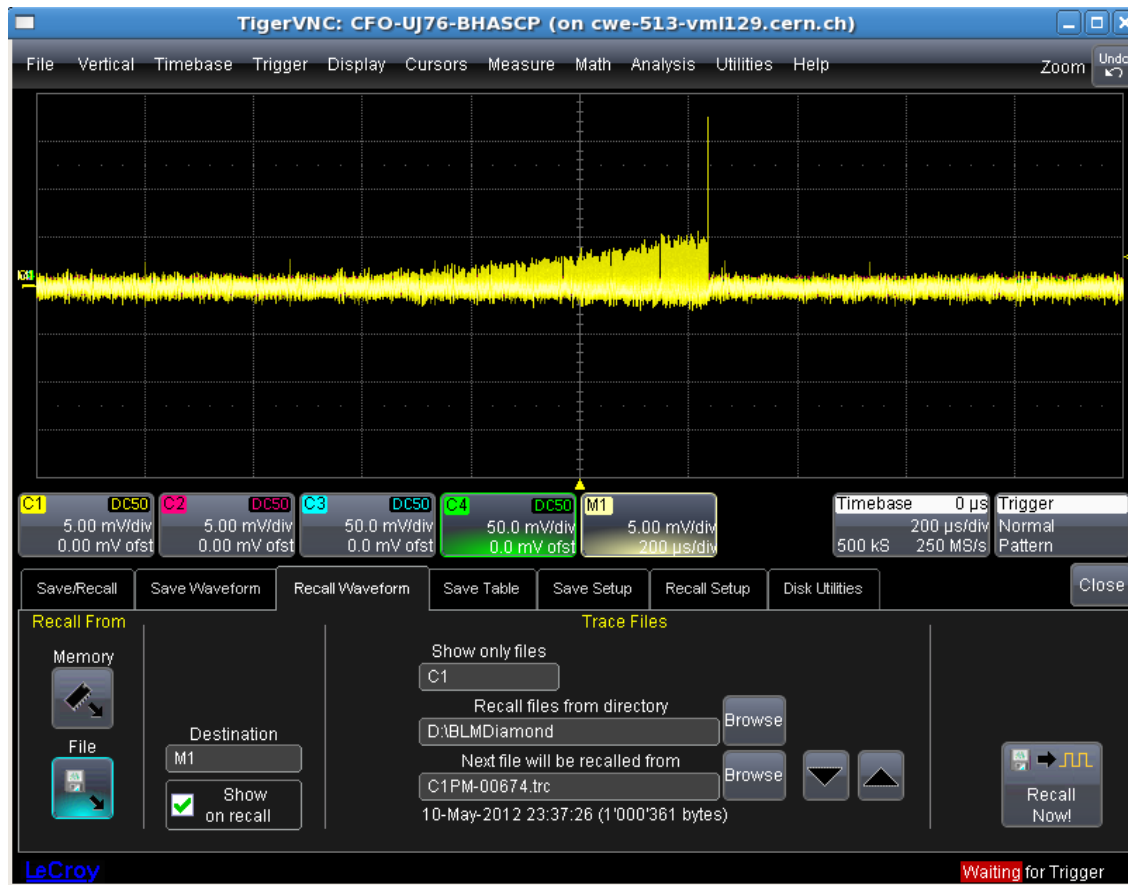
# BLM Data & Simulation



- BLM data and simulations comparable

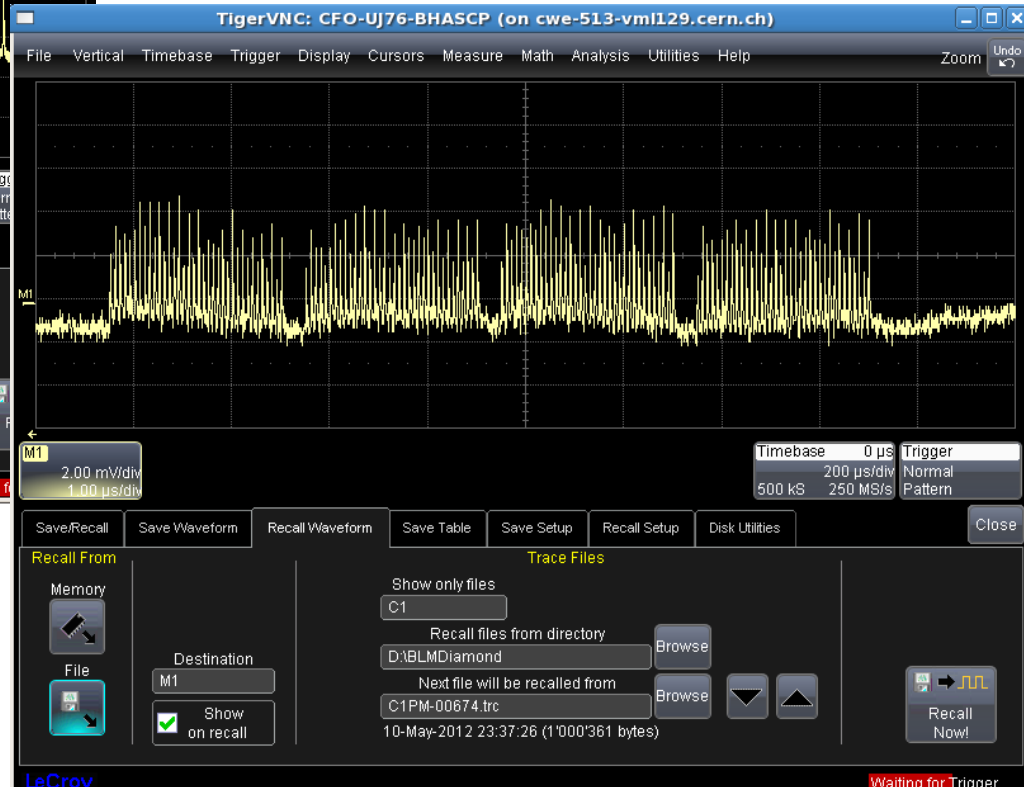
# Diamond Measurements

- Griesmeyer diamonds are installed in P7
- Observation of UFO on the diamonds



# Diamond Measurements

- Bunch structure is visible



# New Tasks Concerning UFO

- We made ADC measurements during UFO event
- Extract ADC data around the UFO time
- Plot arrival time distribution
- Make the same simulations with 1,000,000 protons (so far only 10,000 protons)