



Tomáš Balog

1 Background

- 1 Education: Comenius University in Bratislava, graduation date: 26th June 2010
- 2 Master thesis topic: Solving problems of detectors for high-intensity heavy ion beams
- 3 Home country: Slovakia

2 Present status:

- 1 Host institute: GSI Darmstadt
- 2 MC-PAD project: P1
- 3 Local supervisor: Dr. Johann Heuser, GSI
- 4 PhD supervisor: Prof. Branilav Sitar, Comenius University, Bratislava, Slovakia

Modelling and simulations



- Modelling of data generation and transport into the DAQ system of CBM read-out electronics
- Implement data throttling techniques needed for overflow situations
- In the CBM case with a self triggered system is high importance of consistency in space and time of the data volume as a whole

Experimental work



- Preparation and operation of the n-XYTER readout boards from within the CBM DAQ system
- Measurements in CERN and COSY and further evaluation (starting in November resp. December 2010)
- Interchange front-end readout and sensors with CERN MC-Pad P1 collaborators and evaluate the CBM electronics using CERN sensors and vice versa
- Cooperation with NUSTAR - readout system for the readout of beam monitoring TPCs developed in Bratislava

Training



- MC-Pad events
- Also part of the HGS-HIRe H-QM group
 - Provides Lecture weeks, Power weeks and Soft-skills courses
 - In Data Analysis, Theoretical lectures, Detectors