DIPAC2011; May 16 -18 – Hamburg
Summary

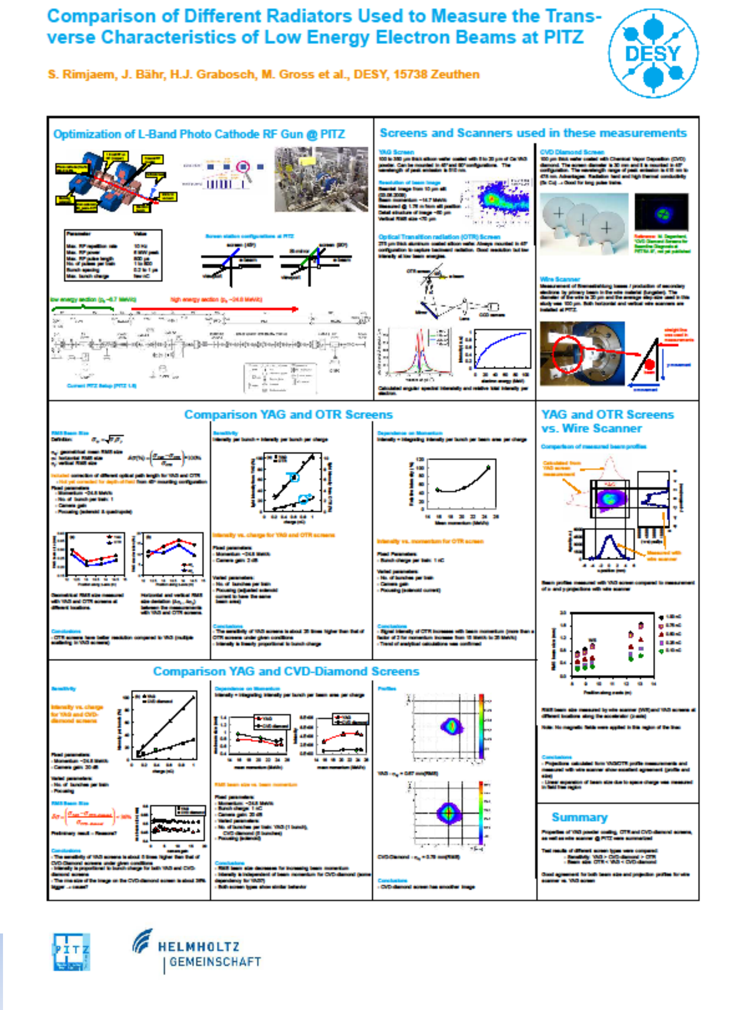
Matthias Gross

Igor Isaev

Dmitriy Malyutin

General

- Web site (includes preliminary proceedings)
  - http://dipac2011.desy.de/
- 300 participants
- PITZ: Poster presented
  - S. Rimjaem et al. „Comparison of Different Radiators used to Measure the Transverse Characteristics of Low Energy Electron Beams at PITZ“



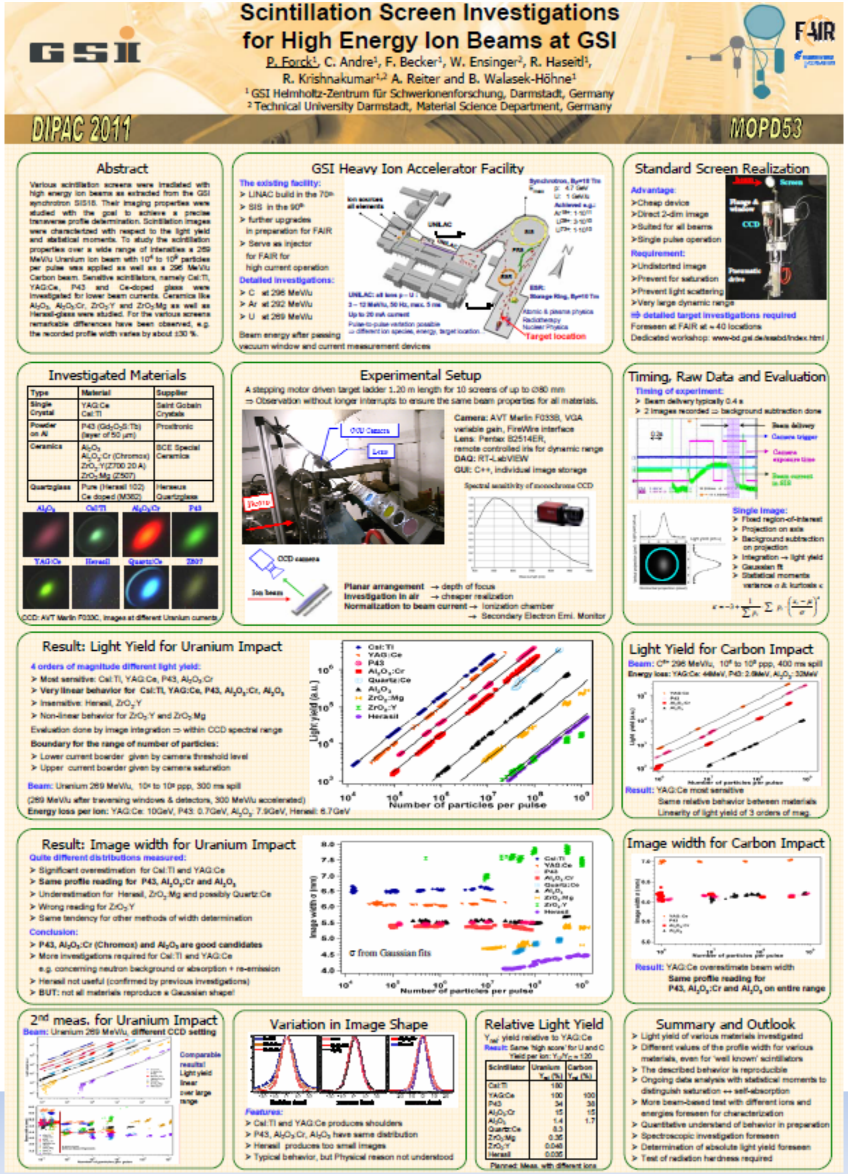
Highlights: Overviews

- BPMs: Manfred Wendt (Fermilab) MOOC01*
- DAQs: Andrea Boccardi (CERN) TUOB01*
- Electronics in Radiation Environments: Christos Zamantzas (CERN) TUOB02* „Electronics failure due to radiation has become commonplace“
- COTR: Stephan Wesch (DESY) WEOA01*
- Screen Monitors: Beata Walasek-Höhne (GSI) WEOB01
- Beam Charge Measurements: David Belohrad (CERN) WEOC01
- Beam Induced Fluorescence Monitors: Frank Becker (GSI) WEOD01

*Slides available on DIPAC web site

Poster: MOPD53

- Peter Forck et al: Scintillation Screen Investigations at GSI
- Comparison of many scintillators for Carbon and Uranium beams
- All linear but orders of magnitude difference in signal strength



Poster: MOPD59

- Stephane Burger et al: A new fast profile monitor for the LHC and the SPS
- Goal: turn-by-turn readout of beam profile: 44kHz! $\rightarrow$ need extremely fast camera
- Solution: linear CCD (Hamamatsu) with specially designed optics (2 cylinder lenses)

Announcements

- This was the last DIPAC – regional workshops will be replaced by international conference series with 3-year rotation
- Upcoming
  - The last BIW: April 16-19 2012 in Newport News, VA
  - IBIC12: the first International Beam Instrumentation Conference – October 1-4 2012 in Tsukuba, Japan