Opto Working Group at TWEPP 2011

Introduction
T. Flick
A little retrospect…

❖ Last meeting was held in March at CERN
❖ Opto WG mini workshop: 1 day meeting:
  ➫ https://indico.cern.ch/conferenceDisplay.py?confId=126772
❖ Topics which have been reported about:
  ➫ Experience from running the systems
  ➫ Environmental resistance testing
  ➫ Opto R&D projects
❖ Participants not only from ATLAS and CMS, but also LHCb and others
❖ Experienced a good discussion platforms and an open sharing of experience (good or bad) and the chance to learn from each other
What for today?

- I would call this meeting here the mini workshop or to stay in terminology… micro workshop.

- 2 hours we will fill with reports about
  - System experiences (again LHCb, CMS (bit more in detail, ATLAS)
  - Environmental resistance tests

- There will be a dedicated “Optoelectronics and Links” session during TWEPP this time (tomorrow) so we won’t duplicate things
  - Versatile Link: Feasibility report (Francois)
  - Network Architecture for Bi-directional data transfer (Spyridon)
  - VCSEL reliability studies (Tony)
  - Fibre irradiation results (David)
  - Gb link interface board (Paschalis)
  - Versatile Tranceiver Development Status
Experience with running systems

- We will hear about
  - LHCb
  - CMS
    - Tracker
    - ECAL
    - HCAL
  - ATLAS Larg Calorimeter

- Also in this field: Tony’s report tomorrow

- There are also posters in the poster session but this I will point to later