

Status Report of Proposal B Group

Radiation Test Group

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Joint ATLAS/CMS Optoelectronic WG
TWEPP 2008

Aim of this Group

- **Coordination of radiation tests**

- 1st step:

- Agreed on radiation guidelines for the SLHC:
“Optical Readout System Irradiation Guidelines”

- 2nd step:

- Groups report to each other about activities
 - **Groups coordinate tests**
 - Adjust test setups → comparable results
 - Follow agreed guidelines
 - Plan tests in collaboration with other groups

Active Institutes

- **CERN:** p-i-n diodes and lasers
- **Ohio:** p-i-n diodes and lasers
- **Oklahoma:** p-i-n diodes
- **Oxford:** fibres, splitters, connectors
- **SMU:** fibres, lasers and LOC

Activities since April 08

- Group met 3 times

- Reports on:

- P-i-n radiations Ohio, Oklahoma, CERN

- VCSEL radiations Ohio, SMU, CERN

- Fibre irradiations Oxford, SMU

- Next meeting: Nov 2008

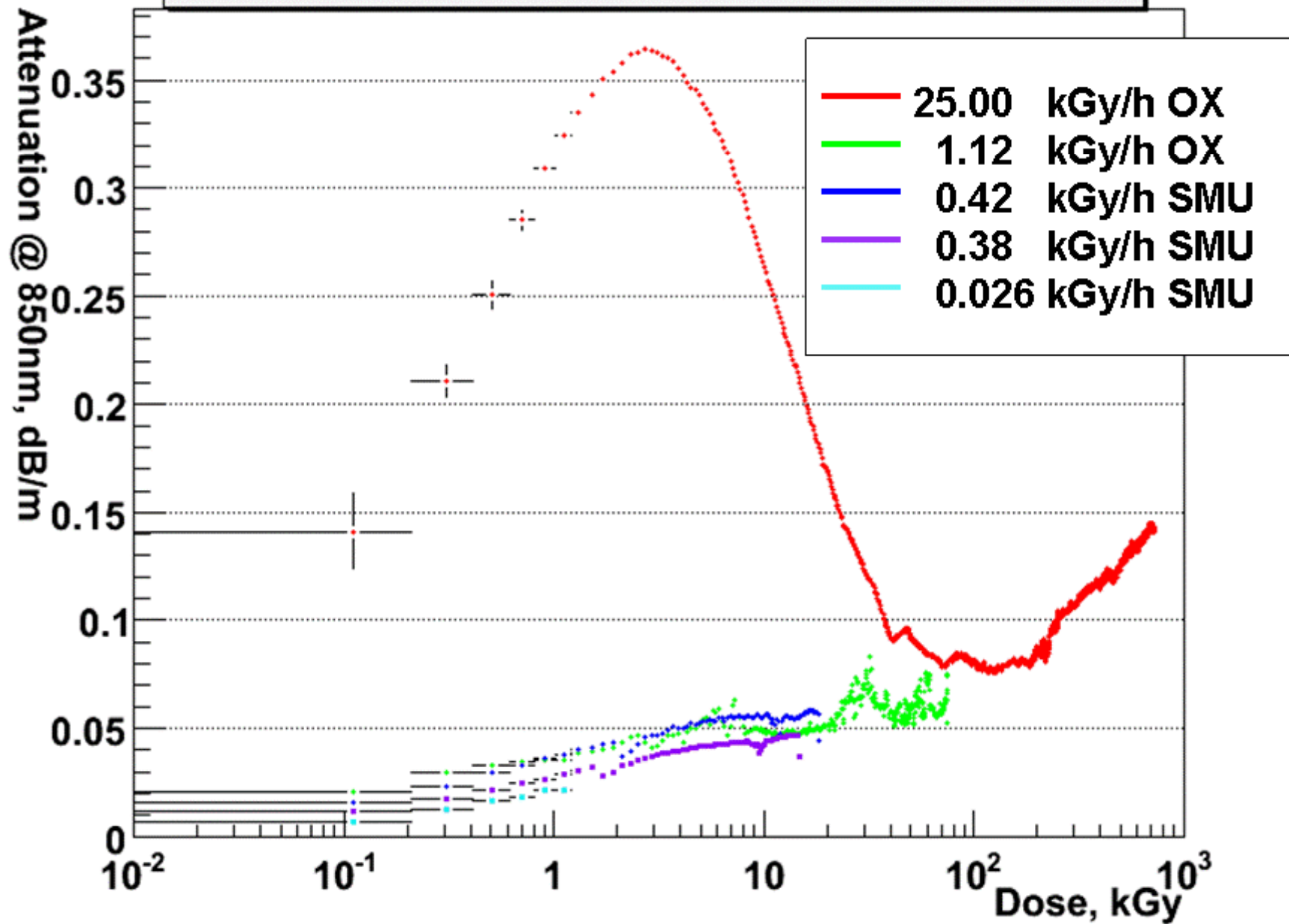
How is the coordination of tests going?

- **Fibres:**

- **VERY GOOD**

- **SMU and Oxford fibre irradiations at different dose rates**

Dose Rate effects, Infinicor Fibre Combined Data



How is the coordination of tests going?

- Fibres:
 - VERY GOOD
 - SMU and Oxford fibre irradiations at different dose rates
- P-i-n and laser irradiation need coordination
 - **Tests NOT coordinated** with other groups
 - Only reporting mode established
 - **Discuss how to start coordination-mode!!**
 - e.g. reference samples of p-i-n and lasers

Summary

- **Radiation Test Subgroup is active**
- **Fibre tests are coordinated among groups**
- **P-i-n and lasers are only in reporting mode**
 - **This needs to change**
 - **Today: discuss how to get to coordination-mode**