



RADWG 1ST

1ST JANUARY 2012

G. Spiezia (EN/STI/ECE)

Objectives

- ❖ Organization of radiation test
 - ❖ CNRAD
 - ❖ H4IRRAD
 - ❖ External facility (PSI, CEA, ESTEC, others)
- ❖ Discussion on radiation test results
- ❖ Distribution of the radiation levels in the LHC tunnel
- ❖ Analysis and follow up of the radiation induced failures
- ❖ <http://radwg.web.cern.ch/RadWVG/>

CNRAD

- ❖ QPS
- ❖ Ethernet switch and wifi from IT
- ❖ Power converter
- ❖ LED warning system
- ❖ Start foreseen for mid March
- ❖ Others
- ❖ Starting date mid March
- ❖ Contact J. Mekki for information

H4IRRAD

- ❖ QPS
- ❖ PLC from EN/ICE and TE/CRG
- ❖ TE/EPC (FGC and converters)
- ❖ EN/STI for RadMon
- ❖ Sensor calibration
- ❖ TE/ABT for the GTO
- ❖ Other urgent LHC requirements
- ❖ Request of 3 irradiation slots
- ❖ Contact M. Calviani

PSI tests

- ❖ TE/EPC
- ❖ EN/STI
- ❖ BLM
- ❖ BPM
- ❖ QPS (to be defined)
- ❖ BE/CO- WorldFIP
- ❖ Indicate the wished date of the test and the required beam time
 - ❖ Date:
 - ❖ Beam time (Hours)

CEA Neutron facility

- ❖ Available beam time
- ❖ Passive irradiation
- ❖ Indicated for optical and high precision analog devices
- ❖ Send your requests if interested

ESTEC gamma facility

- ❖ Calibration of radfets
- ❖ Others

Radiation test reports

❖ From the radwg website

❖ http://radwg.web.cern.ch/RadWVG/Pages/reports/Radiation_report_menu.htm

❖ EDMS link

❖ <https://edms.cern.ch/nav/P:CERN-0000083951:V0/P:CERN-0000091191:V0/TAB3Agenda>

Course conference workshop

- ❖ Course radiation effects R. Gaillard on CERN training web site
- ❖ SEE symposium
 - ❖ April 2012
 - ❖ <http://radhome.gsfc.nasa.gov/radhome/SEE/>
- ❖ NSREC
 - ❖ July 2012
 - ❖ www.nsrec.net
- ❖ RADECS
 - ❖ September 2012
 - ❖ www.radecs.com