

G-RAD Workshop - Grenoble Radiation Testing of semiconductor devices and systems



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Irradiation facilities used by CNES for electronic component testing: Selection, limitations and possible evolutions

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“Standard Radiation test methods recommend specific sources and beams in order to emulate space radiation environment for testing electronic components. Such facilities are quite rare and generally dedicated to other activities as research in medical or physics. The following points will be presented:

- Main characteristics of standard facilities
- Introduction to irradiation facilities used by CNES
- Possible issues when preparing a test
- Recent evolution due to COTS and New Space
- Limitations of existing facilities and suitable evolutions.”

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Session Classification: Session 1 - Space environment and corresponding facilities