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## **A monolithic silicon telescope for solid state microdosimetry**

*Thursday 17 October 2013 16:30 (1 hour)*

1. The detection system: features, advantages and drawbacks.
2. Microdosimetry of neutron fields: numerical studies and experimental characterizations.
3. Quality assessment of clinical proton beams: microdosimetric characterization and direct comparison with TEPCs.
4. Microdosimetry of carbon beams: preliminary tests.
5. A silicon microdosimeter integrated into a nanodosimeter.

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**Session Classification:** Training Courses on Experimental Micro- and Nano-dosimetry