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## Particle therapy beam diagnostics. Risks and rewards for industry.

*Thursday, 10 November 2011 12:30 (30 minutes)*

The talk will present an overview of the particle therapy commercial marketplace (players, technology trends etc) as well as of the particle therapy beam delivery options (accelerator types, scattering and scanning). Diagnostic devices (multiwire and multistrip chambers, scintillators, Faraday cups); Some discussion of commercial electrometer design options for multichannel low-current measurement; Some discussion of alternative electronics architectures, including redundancy requirements for beam scanning and dosimetry; Recent work at Pyramid on ultra-low scattering ionization chambers for particle therapy beam scattering; Recent work at Pyramid on high-channel count readout electronics.

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