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## Some Novel Gas-Based Techniques

*Friday, September 16, 2005 11:00 AM (30 minutes)*

A description of some basic properties of gas-based detectors that make them attractive for advanced applications will be made. Of those operating with gas gain, emphasis will be given to the gas electron multiplier, the pin detector, and the traditional wire chamber. The benefits of operating in ionization mode will be explored. Examples of these techniques in experiments employing X-ray, neutron and particle position sensing will be described.

**Primary author:** Dr SMITH, Graham (Brookhaven National Laboratory, USA)

**Presenter:** Dr SMITH, Graham (Brookhaven National Laboratory, USA)

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