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AC-LGAD sensors for low-mass, low power high precision particle tracking

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In the first part of this contribution, the principles of operation of AC-LGAD, the first silicon detector based on resistive read-out, are illustrated. Then, we outline how AC-LGADs can enable the construction of a low-mass low-power silicon tracker with excellent spatial (2-3 microns/hit) and temporal (20 ps/hit) resolutions.

Time Zone

Europe/Africa/Middle East

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