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Signal-sharing in AC-LGAD (RSD)

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We analyzed beam test data from a beam test at FNAL with 120 GeV protons to show the effect of signal sharing in AC-LGAD fabricated by BNL and FBK. The main thrust is the understanding of the signals underneath the metal pads/strips which can't be investigated with laser light which is usually used.

The two topics discussed are the position resolution and the long-range pulse sharing.

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