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Innovative approaches to beam monitoring.

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Optimization of the shape and intensity of a positron beam requires suitable beam diagnostics. The speed with which a low-energy positron beam can be optimized prior to a measurement is presently limited by available detection techniques, resulting in a sizeable loss of beam time to optimization. In this talk we will present two novel approaches to the detection of the position, shape and intensity of a low energy positron beam which our collaboration has been investigating in the past two years.

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