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## Photon-number resolution with Transition-Edge Sensors

Friday, 7 February 2025 10:30 (15 minutes)

Project STAR develops TiAu TES single-photon detectors with photon-number resolution, with the goal to achieve >90% detection efficiency and 1  $\boxtimes$ s response time. Results on TESs with gold banks and antireflection coatings are presented

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Track Classification: A6.4 Hybrids