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## The LBNL setup for high brightness electron beams characterization and photocathode testing

*Tuesday 16 October 2018 14:30 (15 minutes)*

We will describe the LBNL experimental setup for high brightness beams production and measurements. The system includes an high repetition rate radiofrequency electron gun (the APEX gun), with 2 beamlines used for Ultrafast Electron Diffraction experiments, beam shaping and characterization.

We are also developing a 30 kV testbed for testing novel photo-emitters, before the high voltage-high energy test on APEX.

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