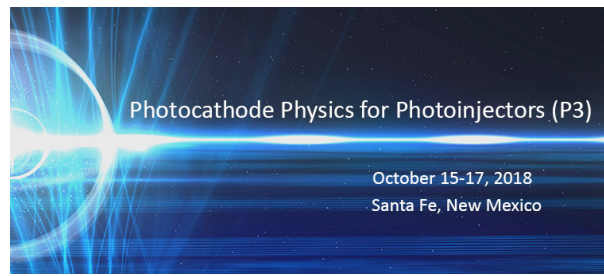


Photocathode Physics for Photoinjectors 2018



Contribution ID: 42

Type: **not specified**

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.

Presenter: Dr FILIPPETTO, Daniele (Lawrence Berkeley National Laboratory)

Session Classification: Session 7

Track Classification: Session 7: Operations and Demonstrations: Normal conducting