



# Photocathode Physics for Photoinjectors (P3) 2016

## Wednesday, October 19, 2016

### Applications, funding and future. - F113 Cebaf Center (11:45 AM - 12:15 PM)

-Conveners: Dave Dowell; Carlos Hernandez

time	[id] title	presenter
11:45 AM	[53] Cathode Challenges and update for cathode in CW Operation	BARTNIK, Adam
12:00 PM	[54] Operation/characterization of alkali antimonide in SRF gun	WANG, Erdong

### Applications, funding and future. - F113 Cebaf Center (1:45 PM - 3:30 PM)

time	[id] title	presenter
1:45 PM	[55] Semiconductor cathodes in SRF guns/ Cathode challenges and update for cathode operation in SRF guns	TEICHERT, Jochen
2:00 PM	[56] LANL Updates and Quantum Dots: photoemission from quantized energy states	MOODY, Nathan
2:20 PM	[57] DISCUSSION	
	- [1] Diamondoid	
2:40 PM	[59] Electron source requirements for laser-driven dielectric accelerators	ENGLAND, Joel
3:05 PM	[58] DISCUSSION- Future funding	

### Applications, funding and future. - F113 Cebaf Center (3:45 PM - 5:00 PM)

time	[id] title	presenter
3:45 PM	[60] Nanotip electron sources for dielectric laser acceleration	KOZAK, Martin
4:10 PM	[61] Cathodes for ultrafast electron diffraction and microscopy (UED-UEM) applications	LI, Renkai
4:25 PM	[62] Tailoring the emissive properties of photocathodes through materials engineering: Ultra-thin multilayers	VELAZQUEZ, Daniel
4:40 PM	[63] DISCUSSION	