

Photocathode Physics for Photoinjectors 2012

Monday, October 8, 2012

Session 2 - New significant developments and relevant measurements - 700 (10:15 AM - 12:00 PM)

-Conveners: John Smedley; Howard Padmore; Luca Cultrera

time	[id] title	presenter
10:15 AM	[4] Measurements of transverse momentum of photoelectrons from metals and alkali antimonide semiconductors	VECCHIONE, Theo
10:40 AM	[7] Measurement of the chemistry and growth of alkali antimonides using in-situ AFM and XPS	OSES, Miguel Ruiz
11:05 AM	[5] Measuring the growth of alkali antimonides using in-situ XRD and x-ray reflectivity	SCHUBERT, Susanne
11:30 AM	[6] Open Discussion or Contributed Talks	

Session 2 - New significant developments and relevant measurements - 700 (1:00 PM - 6:00 PM)

time	[id] title	presenter
1:00 PM	[8] Fabrication, characterization and use of alkali antimonides in a dc gun	CULTRERA, Luca
1:25 PM	[9] MBE growth of GaAs photocathodes for the Cornell ERL photoinjector and effect of roughness on emittance	SCHAFF, Bill
1:50 PM	[11] Surface characterization of GaAs photocathodes and high current operation experience	HERNANDEZ-GARCIA, Carlos
2:15 PM	[58] K ₂ CsSb cathode tests at JLAB	RAO, Triveni
2:30 PM	[10] Open Discussion or Contributed Talks	
3:00 PM	Coffee Break	
3:15 PM	[40] Development of high performance photocathodes for microscopy and accelerators	JIN, Xiuguang
3:40 PM	[12] Reduction of emittance from metals to less than thermal	FENG, Jun
3:55 PM	[13] Growth and operation of Pb/Nb photocathodes in SRF gun	SCHUBERT, Susanne
4:10 PM	[14] Cathode characterization and analysis at DESY	LEDERER, Sven
4:25 PM	[15] Workfunction and Quantum Efficiency studies on Cesium Telluride	HARKAY, Katherine
4:40 PM	[41] DMD-Based Quantum Efficiency Mapping and Self-Healing of Hybrid Diffuser Dispensers	MONTGOMERY, Eric
4:55 PM	[47] Operation of the High-Charge PHIN RF Photoinjector with Cs ₃ Sb Cathodes	HESSLER, Christoph
5:10 PM	[49] Photocathodes for Rossendorf SRF gun	Dr XIANG, Rong
5:25 PM	[16] Open Discussion or Contributed Talks	