



# Photocathode Physics for Photoinjectors 2012

## Tuesday, October 9, 2012

### Session 3 - Photocathode physics I: new insights in theory and modeling - 700 (8:30 AM - 12:00 PM)

-Conveners: D. A. Dimitrov; Ivan Bazarov; Kevin Jensen

time	[id] title	presenter
8:30 AM	[22] Monte-Carlo simulations of Charge transport and photoemission from GaAs photocathodes	KARKARE, Siddharth
8:55 AM	[23] Modeling Electron Emission from Diamond-Amplified cathodes	DIMITROV, D. A.
9:20 AM	[17] Monte Carlo Scattering Corrections to Moments-Based Emission Models	MONTGOMERY, Eric
9:45 AM	[25] Open Discussion	
10:00 AM	Coffee Break	
10:15 AM	[19] Models of effect of roughness on emittance	DOWELL, Dave
10:40 AM	[21] One-step model of photoemission and extensions to the three-step model	WAN, Weishi
11:05 AM	[45] Modeling the Resupply, Diffusion, and Evaporation of Cesium Based Dispenser Photocathodes	PAN, Zhigang
11:30 AM	[55] Measurements and modeling of space charge assisted photoemission at PIZ	KRASILNIKOV, Mikhail
11:45 AM	[42] Open Discussion or Contributed Talks	