



# Photocathode Physics for Photoinjectors Workshop

## Tuesday, 3 October 2023

**Theory** - Charles B. Wang Center (15:20 - 17:15)

-Conveners: Kevin Jensen

time	[id] title	presenter
15:20	[12] Modeling Optical Interference Effects for Optimization of Electron Emission Properties from Thin Film Semiconductor Photocathodes	Dr DIMITROV, Dimitre
15:45	[13] Theory of Photoemission from Cathodes with Disordered Surfaces	Dr SAHA, Pallavi
16:10	[14] Electron Scattering Processes in Photoemission: The Franck-Condon Effect	Dr SCHROEDER, Andreas
16:35	[15] Monte Carlo Modeling of Spin-Polarized Photoemission	Dr CHUBENKO, Oksana
17:00	Discussion	

# Wednesday, 4 October 2023

## Theory - Charles B. Wang Center (13:30 - 15:00)

-Conveners: Dimitre Dimitrov

time	[id] title	presenter
13:30	[24] Tracing attosecond dynamics of electron emission from metallic nanotip	Dr CHLOUBA, Tomas
13:55	[25] A DELTA BARRIER IN A WELL AND ITS GENERALIZATION FOR EMISSION STUDIES	Dr JENSEN, Kevin
14:20	[26] Beam Transport Parameter Sensitivities Using Adjoint Methods for 2D Axisymmetric Systems in Static Fields with MICHELLE	Dr PETILLO, John
14:45	Discussion	