

Emitting Materials - Photocathodes for Photoinjectors

Friday, 4 December 2015 - Friday, 4 December 2015

HZDR

Scientific Programme

Friday, December 4th, 2015

09:30-10:00 Coffee and registration

AM Session 10:00 - 12:30

10:00-10:15 Welcome

10:15-10:45 On the way to operate CsK₂Sb photocathodes in Gun1 (J. Kühn, HZB)

10:45-11:15 Photocathode transport system for PCHB collaboration & photocathode activities at HZDR (R. Xiang, HZDR)

11:15-11:45 Mainz Lab Report (NN, JGU Mainz) TBC

11:45-12:15 Predicting quantum efficiency to aid photocathode design (B. Camino, Imperial College)

12:30-13:30 Lunch break

13:30-14:30 Gallery poster session

M. Dehn: Improved Apparatus for Time Resolved Measurements

V. Bechthold & N. Scahill: Optimized Photocathodes for Accelerator Applications

M. Schmeißer: Preparation of CsK₂Sb photocathodes for Gun 1.0

S. Mistry: A Comparison of Surface Properties of Metallic Thin Film Photocathodes on Cu/Mo Substrates

P. Murcek: Plug Transfer System for GaAs Photocathodes

S. Lederer: Photocathodes at DESY (TBC)

V. Porshyn: Electron emission from flat Ge crystals

PM Session 14:30-16:00

14:30-15:00 Field emission (Günter Müller, Uni Wuppertal)

15:00-15:30 Bonn Polarized GaAs-Photoinjector (Wolfgang Hillert, Uni Bonn)

15:30-16:00 Status of preparation at NCBJ Swierk of thin-layer lead photocathodes for SRF injectors (J. Lorkiewicz, NCBJ Swierk)

16:00-16:15 Closing remarks