

PSEC Collaboration Meeting Agenda

Friday and Saturday Morning, December 9 and 10, 2011: Argonne National
Laboratory
2nd Floor Conference Room; Bldg. 360

Friday, December 9, 2010 8:30 am

Welcome and Introduction

8:30 - 8:45	Welcome	Harry Weerts, Director, HEPD (ANL)
8:45 - 9:00	LAPPD Overview	Henry Frisch (UC/ANL)

Session 1: Photocathodes Gary Varner, Chair

9:00 - 9:30	Status of Bialkali Photo-cathode Production at SSL	Ossy Siegmund (SSL)
9:30 - 9:50	Status of Multi-alkali Photo-cathode Production and Characterization at ANL	Junqi Xi/Zikri Yusof
9:50 - 10:10	Scaling PMT Alkali Photocathode Recipes to Large Area Transfer Cathodes (aka the Chalice)	Anatoly Ronzhin/Sasha Paramonov
10:10 - 10:30	Robust Amorphous GaInN Cathodes	Jim Buckley (Wash U) (TBC)
10:30 - 10:45	Ultra-Thin Photocathodes	Ryan Dowdy (UIUC)
10:45 - 11:00	Coffee	

Session 2: Status of Development and Testing of B33/ALD MCP's Bob Wagner, Chair

11:00 - 11:30	ALD-MCP Test Results (SSL)	Oswald Siegmund (SSL)
11:30 - 12:00	ALD-MCP Test Results (ANL)	Matt Wetstein (ANL/UC)
12:00 - 12:30	ALD-MCP Test Results (Arradiance)	Neal Sullivan
12:30 - 1:30	Lunch (Cafeteria)	

Session 3: Scaleup to Production of 8" MCP's Bob Wagner, Chair

1:30 - 1:45	8"-Plate Quality Specification at Production	Chris Craven (Incom)
1:45 - 2:00	8"-Plate Quality Acceptance Procedures	Jason McPhate & Bob Wagner (UCB/ANL)
2:00 - 2:15	The Fermilab 8" Evaporation Facility	Erik Ramberg/Pasha Murat (Fermilab)
2:15 - 2:45	Scaleup: the Arradiance 8" ALD Tool	Neal Sullivan
2:45 - 3:15	Scaleup Activities at Argonne	Jeff Elam (ANL)
3:15 - 3:30	Coffee	

Session 4: Electronics, DAQ, and Integration Bernhard Adams, Chair

3:30 - 3:45	Measurements of Anode Analog Bandwidths and Crosstalk	Razib Obaid/Herve Grabas (Chicago/Saclay)
3:45 - 4:05	The 6-channel PSEC4 Sampling ASIC and Analog Card	Eric Oberla (UC)
4:05 - 4:25	The Supermodule Readout Chain: the Digital and Central Cards:	Craig Harabedian
4:25 - 4:40	Supermodule Software, Firmware, and DAQ	Ed May/Aaron Meyer/Max Hutchinson (ANL/UC)
4:40 - 5:05	Integration of Front-end Electronics with the Ceramic Detector	Gary Varner (Hawaii)
5:05 - 5:20	Alternative Front-end Electronics for LBNE and PET	Kurtis Nishimura (Hawaii)
5:20 - 5:35	Schedule for a Working SuperModule Electronics System	Mircea Bogdan (UC)
6:30 - 9:00	Informal Dinner at 5636 S. Blackstone Ave, Chicago (35-40 min away on I55)	

(OVER for Saturday's agenda)

Saturday, December 10, 2011 8:30 am

Session 5: Hermetic Packaging and Sealed Tube Construction

Karen Byrum, Chair

8:30 - 8:55	Status of the Production Facility at SSL	Ossy Siegmund (SSL)
8:55 - 9:20	The Ceramic MCP-PMT Design and Status	Jason McPhate (SSL)
9:20 - 9:40	Schedule for First Sealed SSL Unit	Ossy Siegmund (SSL)
9:40 - 10:00	Delivery schedule of 33mm and 8" Incom Glass Substrates	Bob Wagner (ANL)
10:00 - 10:10	Coffee	
10:10 - 10:25	Glass Top Seal Status and Schedule	Marc Kupfer (UIC)
10:25 - 10:45	Component Outgassing and Getter Considerations	Dean Walters (ANL) (TBC)
10:45 - 11:15	Single-Tile Factory Proposal Overview	Dean Walters (ANL)
11:15 - 11:35	Schedule for Single-Tile Factory	Bob Wagner (ANL)

Session 6: Summary

Karen Byrum, Chair

11:35 - 11:50	Meeting the LAPPD Goals	Henry Frisch
11:50 - 12:20	Discussion of Applications and Next Steps	Bernhard Adams, Eric Oberla, Ossy Siegmund, Gary Varner, Bob Wagner, Matt Wetstein
12:30	End of Collaboration Meeting	
12:20 - 1:20	Lunch – TBD	

Post Meeting Meeting

1:30	Working Group Discussion of Top Seal Practice in Industry	Ossy, Scott, Marc, Dean, Jason, Anatoly, Bob, et al.
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