

MOLLER Final Design Review Dec 2022

Target, Spectrometer, & Infrastructure

December 5 - 6 2022

December 5th		
<i>Time</i>	<i>Presentation</i>	<i>Presenter</i>
8:30 - 9:00	Welcome Review Committee (Closed Session)	
9:00 - 9:40	Overview of Experiment and Project	Krishna Kumar
	TARGET	
9:40 - 9:50	Program Overview	Jim Fast
9:50 - 10:00	Interface Control	Robin Wines
10:00 - 10:30	CFD Analysis of the Cell	Silviu Covrig Dusa
10:30 - 10:45	Break	
10:45 - 11:15	Target Engineering Overview and Status	Dave Meekins
11:15 - 12:15	Design Details	Dave Meekins
12:15 - 1:15	Lunch (Committee F224)	
1:15 - 1:45	Calculations	Dave Meekins
1:45 - 2:15	Safety Subsystems	Dave Meekins
	INFRASTRUCTURE	
2:15 - 2:30	Break	
2:30 - 3:15	Infrastructure Overview	Robin Wines
3:15 - 3:45	Shielding Requirements	Ciprian Gal
3:45 - 4:15	Shielding Design and Engineering	Ryan Biraben
4:15 - 6:00	Review Committee (Closed Session)	
December 6th		
<i>Time</i>	<i>Presentation</i>	<i>Presenter</i>
8:00 - 8:30	Response to Homework	Target and Infrastructure Teams
	SPECTROMETER	
8:30 - 8:45	Spectrometer Overview	Juliette Mammei
8:45 - 9:30	Spectrometer Engineering Overview	Dave Kashy
	Downstream Torus System Details and Status	
9:30 - 9:50	Upstream Toroid Design	Ernie Ilhoff
9:50 - 10:10	Upstream Toroid Analysis	Jason Bessuille
10:10 - 10:30	Break	
10:30 - 10:50	Beam Pipe and Bellows	Eric Sun
10:50 - 11:10	Downstream Toroid and Beampipe Analysis	Sandesh Gopinath
11:10 - 11:25	Photon Scraper Analysis	Kris Cleveland
11:25 - 11:40	Magnet Assembly	Joe Lamont
11:40 - 12:10	Magnet Power Supply and I&C	Brian Eng
12:10 - 12:30	Wrap Up	James Fast
12:30 - 1:30	Lunch (Committee F224)	
1:30 - 3:00	Review Committee (Closed Session)	
3:00 - 3:30	Response to Questions	
3:30 - 5:00	Review Committee (Closed Session)	
5:00 - 6:00	Closeout	

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Detectors & DAQ

December 7 - 8th 2022

December 7th		
Time	Presentation	Presenter
8:00 - 9:00	Welcome Review Committee (Closed Session)	
	DETECTORS	
9:00 - 9:40	Overview of Experiment and Project	Mark Pitt
9:40 - 9:50	Program Overview	Jim Fast
9:50 - 10:00	Interface Control	Robin Wines
10:00 - 10:15	Break	
10:15 - 11:00	Thin Quartz	Michael Gericke
11:00 - 11:45	Shower Max	Dustin McNulty
11:45 - 12:15	Pion Detector	David Armstrong
12:15 - 1:15	Lunch (Committee F224)	
1:15 - 2:00	Thin Quartz, Shower Max support/mechanics	Larry Bartoszek
2:00 - 2:30	Scattered Beam Monitors and Scanners	Mark Pitt
2:30 - 2:45	Break	
2:45 - 3:55	GEM Design, Readout Electronics, UVA Prototyping	Nilanga Liyanage
3:55 - 4:30	SBU Prototyping	Klaus Dehmelt
4:30 - 6:00	Review Committee (Closed Session)	
December 8th		
Time	Presentation	Presenter
8:15 - 8:45	Response to Questions	
	DETECTORS	
8:45 - 9:15	GEM Rotator Wheel Frame, Support, Motion System	Chandika Annasiwatta
9:15 - 9:45	Trigger Scintillators	Rakitha Beminiwatta
9:45 - 10:00	Break	
	DAQ	
10:00 - 10:45	Interview, Counting DAQ System and Integrating DAQ System	Paul King
10:45 - 11:15	Integrating ADCs	Paul King
11:15 - 11:30	HVMAPS Readout	Paul King
11:30 - 11:45	Beam Parameter Readout, JLab/Berkeley Systems	Bob Michaels
11:45 - 12:15	HS&Q Wrapup, Remaining Questions	Bob Michaels
12:15 - 1:30	Lunch (Committee F224)	
1:30 - 3:00	Review Committee (Closed Session)	
1:30 - 2:30	Meeting w. JLab Integration and Pre -ERR	
3:00 - 3:15	Break	
3:15 - 3:45	Response to Questions	
3:45 - 5:00	Review Committee (Closed Session)	
5:00 - 6:00	Closeout	