

DOE/SC Review of the LCLS-II-HE Project December 1-3, 2020

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for Plenary Zoom**](#)

PST	EST	CET	Topic	Presenter
6:00 AM	9:00 AM	3:00 PM	Executive Session	K. Fisher
6:45 AM	9:45 AM	3:45 PM	Welcome	Lab Directors
7:00 AM	10:00 AM	4:00 PM	LCLS Science	M. Dunne
7:25 AM	10:25 AM	4:25 PM	Project Overview and Design Changes	G. Hays
8:10 AM	11:10 AM	5:10 PM	LCLS-II-HE Project Management	J. Fitzpatrick
8:40 AM	11:40 AM	5:40 PM	LCLS-II-HE Technical Systems	M. Ross
9:10 AM	12:10 PM	6:10 PM	Experimental Endstations Technical Systems	D. Fritz
9:30 AM	12:30 PM	6:30 PM	Break/Lunch	
10:00 AM	1:00 PM	7:00 PM	FNAL STL	T. Arkan
10:15 AM	1:15 PM	7:15 PM	JLAB STL	J. Hogan
10:30 AM	1:30 PM	7:30 PM	LBNL STL	D. Arbelaez
10:45 AM	1:45 PM	7:45 PM	Breakout Sessions	
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for Breakout Session Zoom Links**](#)

PST	EST	CET	Topic	Presenter
6:30 AM	9:30 AM	3:30 PM	Subcommittee Breakout Sessions	
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

Thursday, December 3, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for Closeout Zoom](#)

PST	EST	CET	Topic	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

Sub-committees

SC1 – Accelerator & FEL Physics

SC4 – Linac & RF Power Systems

SC7 – X-ray Endstations

SC10 – ESH&Q

SC2 - Injector

SC5 - Cryogenics

SC8 - Controls & Safety Systems

SC11- Cost & Schedule

SC3 – Cryomodules

SC6 – Undulators

SC9 – Conventional Facilities

SC12 – Project Management

SC-01 / SC-02 Accelerator & FEL Physics & Injector (Convener: T. Raubenheimer) **Breakout 01**

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC - 01/02 Zoom**](#)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Accelerator & FEL Physics & Injector	T. Raubenheimer
11:15 AM	2:15 PM	8:15 PM	S-2-E Simulations	J. Qiang
11:45 AM	2:45 PM	8:45 PM	FEL Simulations	D. Cesar
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC - 01/02 Zoom**](#)

PST	EST	CET	Topic	Presenter
6:30 AM	9:30 AM	3:30 PM	Second Injector Technical Proposal	C. Adolphsen
7:00 AM	10:00 AM	4:00 PM	SRF Gun and beam simulations	F. Ji
7:30 AM	10:30 AM	4:30 PM	Injector Tunnel Feasibility Study	S. DeBarger
8:00 AM	11:00 AM	5:00 PM	SRF Gun Call for Proposal & R&D	X. Wang
8:30 AM	11:30 AM	5:30 PM	Break	
8:45 AM	11:45 AM	5:45 PM	Radiological Considerations	M. Santana
9:15 AM	12:15 PM	6:15 PM	Discussion	
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

Thursday, December 3, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for Closeout Zoom**](#)

PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-03 Cryomodules Systems (Convener: J. Fuerst) Breakout 02

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-03 Zoom**](#)

PST	EST	CET	Description	Presenter
10:45 AM	1:45 PM	7:45 PM	Cryogenic Systems Overview	J. Fuerst
11:15 AM	2:15 PM	8:15 PM	JLAB SOW	K. Wilson
11:45 AM	2:45 PM	8:45 PM	FNAL SOW	J. Kaluzny
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-03 Zoom**](#)

PST	EST	CET	Topic	Presenter
6:30 AM	9:30 AM	3:30 PM	SLAC SOW	D. Gonnella
6:50 AM	9:50 AM	3:50 PM	Cavity R&D	D. Gonnella
7:20 AM	10:20 AM	4:20 PM	Cavity Acceptance Testing	J. Maniscalco
7:50 AM	10:50 AM	4:50 PM	Break	
8:00 AM	11:00 AM	5:00 PM	CM assembly - JLAB	N. Huque
8:30 AM	11:30 AM	5:30 PM	CM assembly - FNAL	C. Grimm
9:00 AM	12:00 PM	6:00 PM	CM test - JLAB	M. Drury
9:30 AM	12:30 PM	6:30 PM	vCM/CM test - FNAL	S. Posen
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-04 / SC-06 Linac & RF Power Systems & Undulators
(Convener: F. G. Garcia)
Breakout 03

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC - 04/06 Zoom](#) - (Joint session – SC 04/05/06)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Accelerator Systems	F.G. Garcia
11:15 AM	2:15 PM	8:15 PM	Overview of SRFCDS System	V. Heloin
11:45 AM	2:45 PM	8:45 PM	Overview of the BTLSXR	D. Bruch
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

SC-04 / SC-06 Linac & RF Power Systems & Undulators

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC - 04/06 Zoom](#)

PST	EST	CET	Topic	Presenter
6:30 AM	9:30 AM	3:30 PM	HPRF/LLRF	D. Yeremian/A. Ratti
7:00 AM	10:00 AM	4:00 PM	Linac Layout	R. Coy
7:30 AM	10:30 AM	4:30 PM	Discussion	
8:10 AM	11:10 AM	5:10 PM	Break	
8:20 AM	11:20 AM	5:20 PM	Satellite Technical Meeting (SC 04 zoom)	
8:20 AM	11:20 AM	5:20 PM	SXR Magnet Period	D. Cesar
8:40 AM	11:40 AM	5:40 PM	Overview of SXR-HE (LBNL)	K. Hanzel
9:00 AM	12:00 PM	6:00 PM	SXR Undulator Reconfiguration	D. Arbelaez
9:30 AM	12:30 PM	6:30 PM	SXR Installation	S. DeBarger
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-05 Cryogenics
(Convener: V. Heloin)
Breakout 04

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC - 04/06 Zoom](#) - (Joint session – SC 04/05/06)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Accelerator Systems	F.G. Garcia
11:15 AM	2:15 PM	8:15 PM	Overview of SRFCDS System	V. Heloin
11:45 AM	2:45 PM	8:45 PM	Overview of the BTLSEX	D. Bruch
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC - 05 Zoom](#)

PST	EST	CET	Topic	Presenter
7:30 AM	10:30 AM	4:30 PM	CDS Challenges	V. Heloin
8:20 AM	11:20 AM	5:20 PM	Discussion	All
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-07 X-ray Endstations (Convener: E. Ortiz)

Breakout 05

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-07 Zoom**](#)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Experimental Systems	E. Ortiz
11:15 AM	2:15 PM	8:15 PM	XPP Experiment	D. Zhu
11:45 AM	2:45 PM	8:45 PM	CXI Experiments	M. Liang
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-07 Zoom**](#)

PST	EST	CET	Topic	Presenter
6:30 AM	9:30 AM	3:30 PM	MFX Instrument	D. Fritz
7:00 AM	10:00 AM	4:00 PM	DXS Instrument	H. Yavas
7:30 AM	10:30 AM	4:30 PM	Engineering Challenges	L. Zhang
8:00 AM	11:00 AM	5:00 PM	Buffer/ Break	
8:30 AM	11:30 AM	5:30 PM	Lasers	J. Robinson
9:00 AM	12:00 PM	6:00 PM	Detector Development	A. Dragone
9:30 AM	12:30 PM	6:30 PM	Data Systems	J. Thayer
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-08 Controls & Safety Systems (Convener: M. Boyes)

Breakout 06

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC-08 Zoom](#)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Controls & Safety Systems	M. Boyes
11:25 AM	2:25 PM	8:25 PM	Electronics Systems Design and Integration	J. Delong
11:45 AM	2:45 PM	8:45 PM	Cable Plant	M. Boyes
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC-08 Zoom](#)

PST	EST	CET	Topic	Presenter
6:30 AM	9:30 AM	3:30 PM	HPRF/LLRF (<u>SC 04/06 zoom</u>)	D.Yeremian /A. Ratti
7:00 AM	10:00 AM	4:00 PM	Industrial Controls and DC/Power Systems	J. Delong / A. Ratti
7:30 AM	10:30 AM	4:30 PM	Injector Tunnel Feasibility Study (<u>SC 01/02 zoom</u>)	S. DeBarger
8:00 AM	11:00 AM	5:00 PM	Safety Systems	J. Schmerge
8:20 AM	11:20 AM	5:20 PM	Break	
8:50 AM	11:50 AM	5:50 PM	Beam Diagnostics and MPS	N. Lipkowitz
9:10 AM	12:10 PM	6:10 PM	Cryogenic Controls	D. Fairley
9:30 AM	12:30 PM	6:30 PM	Experimental Controls	M. Ghaly
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-09 Conventional Facilities (Convener: C. Cheung)

Breakout 07

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-09 Zoom**](#)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Infrastructure Systems	C. Cheung
11:15 AM	2:15 PM	8:15 PM	Linac & Photon Infrastructure	P. Abdallah
11:45 AM	2:45 PM	8:45 PM	Lessons Learned	C. Cheung
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-09 Zoom**](#)

PST	EST	CET	Topic	Presenter
7:00 AM	10:00 AM	4:00 PM	Interface/Dependency Projects	P. Abdallah
7:30 AM	10:30 AM	4:30 PM	Injector Tunnel Feasibility Study (SC 01/02 zoom)	S. DeBarger
8:00 AM	11:00 AM	5:00 PM	Break / Lunch	
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-10 ESH&Q (Convener: I. Evans) Breakout 08

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

PST	EST	CET	Topic	Presenter
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[Click Here for SC-10 Zoom](#)

PST	EST	CET	Topic	Presenter
9:00 AM	12:00 PM	6:00 PM	ESH&Q	I. Evans
9:30 AM	12:30 PM	6:30 PM	Quality Assurance	R. Poliak
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	

SC-11 / SC-12 Cost & Schedule and Project Management (Convener: G. Hays)

Breakout 09

Tuesday, December 1, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-11/12 Zoom**](#)

PST	EST	CET	Topic	Presenter
10:45 AM	1:45 PM	7:45 PM	Project Management	G. Hays
11:15 AM	2:15 PM	8:15 PM	Project Management & CD-2/3 planning	J. Fitzpatrick
11:45 AM	2:45 PM	8:45 PM	Project Technical Integration	M. Ross
12:15 PM	3:15 PM	9:15 PM	Subcommittee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Full Committee Executive Session	
2:00 PM	5:00 PM	11:00 PM	Adjourn	

Wednesday, December 2, 2020 – via Zoom (All times listed are in PST, EST, and CET)

[**Click Here for SC-11/12 Zoom**](#)

PST	EST	CET	Topic	Presenter
7:00 AM	10:00 AM	4:00 PM	Cost, Schedule, & EVMS	P. Utley
7:30 AM	10:30 AM	4:30 PM	Quality Assurance	R. Poliak
8:00 AM	11:00 AM	5:00 PM	Risk Management	K. Flick
8:30 AM	11:30 AM	5:30 PM	Procurement Management	J. Fitzpatrick
9:00 AM	12:00 PM	6:00 PM	Systems Engineering Management	T. Price
9:30 AM	12:30 PM	6:30 PM	Break/Lunch	
10:00 AM	1:00 PM	7:00 PM	Subcommittee Executive Session	
11:00 AM	2:00 PM	8:00 PM	Full Committee Executive Session	
1:00 PM	4:00 PM	10:00 PM	Adjourn	

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PST	EST	CET	Description	Presenter
7:00 AM	10:00 AM	4:00 PM	Full Committee Executive Session	
10:00 AM	1:00 PM	7:00 PM	Closeout Presentation	
11:00 AM	2:00 PM	8:00 PM	Adjourn	