

# Detector Team Progress



- ECCE detector configuration extensively discussed and set for simulation campaign underway.
- In preparation, for next detector configuration iteration and campaign:
  - Wednesday 21 July 2021 @ 11:30-13:00 Detector Simulation Readiness Meeting
  - Wednesday 28 July 2021 @ 11:30-14:00 Detector Integration Meeting
- Now collecting cost, schedule, and risk information from the Detector Working Group co-conveners. See examples below of info collected, progress within DWGs, and schedule.

# ECCE Detector Mechanical Engineering

- Mechanical engineers working on refining selected ECCE engineering topics:
  - Walt Akers (JLAB): SketchUp models, weight estimates, file repository, and more
  - Roland Wimmer (BNL): barrel support structures, and other topics
  - IJCLab/Orsay (and Josh): backward EMCal frame, structure, cooling
  - Avishay (MIT visiting engineer): several topics
  - ORNL mechanical engineers: forward Calorimeters and forward PID (and work with Roland concerning central timing layer)
  - LBL, LANL, JLAB mechanical engineers: Si barrel and disks
- Governor School students working on SketchUp (see next talk).

# Proposed ECCE EIC Detector PM Info Delivery Schedule

Activity ID	Activity Name	Start	Finish	Original Duration	2021														
					Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb							
<b>EICP ECCE EIC Detector Proposal Development Schedule</b>					19-Jul-21	1-Dec-21	94d												
PD1000	Develop First Draft Subsystems Planning Templates - First Cut WBS, Define Activities, Begin Costing, Risk Log	19-Jul-21	2-Aug-21	11d															
PD1005	KEY MILESTONE: Submit First Draft Subsystems Planning Templates to Project Planning Team		2-Aug-21	0d															
PD1010	Develop Second Draft Subsystems Planning Templates - Near Final WBS, Activities, Costing, Risk Log	2-Aug-21	13-Aug-21	10d															
PD1015	KEY MILESTONE: Submit Second Draft Subsystems Planning Templates to Project Planning Team		13-Aug-21	0d															
PD1020	Develop Final Subsystems Planning Templates - Final WBS, Activities, Costing and Risk Log	13-Aug-21	2-Sep-21	15d															
PD1025	KEY MILESTONE: Submit Final Subsystems Planning Templates to Project Planning Team		2-Sep-21	0d															
PD1030	Collect All Subsystem Planning Supplements - Planning Backup Material (Quotes, etc.)	2-Aug-21	13-Sep-21	30d															
PD1040	Project Planning Team Prepare Integrated Planning - Develop P6 Schedule, Cost and Risk Models, Analysis	2-Sep-21	30-Sep-21	20d															
PD1050	KEY MILESTONE: Submit Cost and Schedule Data to Proposal Writing Team		30-Sep-21	0d															
PD1055	Proposal Writing Team Develop First Draft Proposal - Incorporate Cost and Schedule	30-Sep-21	13-Oct-21	10d															
PD1060	KEY MILESTONE: First Draft of the Proposal Complete - Submit the Proposal for Review		13-Oct-21	0d															
PD1065	Review Participant Read Ahead Time	14-Oct-21	20-Oct-21	5d															
PD1070	Proposal Reviews/Discussions - Proposal Team, ECCE Team and Others	21-Oct-21	27-Oct-21	5d															
PD1080	Finalize the Proposal - Incorporate Comments and Final Document Editing	28-Oct-21	10-Nov-21	10d															
PD1085	FLOAT - 12 Days	11-Nov-21	1-Dec-21	12d															
PD1090	KEY MILESTONE: Submit the Final Proposal		1-Dec-21	0d															

**DRAFT PENDING CO-CONVENERS CONCURRENCE**  
07/19/21

Project ID: EICP  
Project Name: ECCE EIC Detector Proposal Development Schedule

<span style="color: blue;">█</span> Actual Work	<span style="background-color: yellow;">█</span> Level of Effort	<span style="background-color: cyan;">█</span> WBS Bar
<span style="background-color: green;">█</span> Remaining Work	◆ Milestone	
<span style="background-color: red;">█</span> Critical Remaining Work	◆ Critical Milestone	



WBS Code	WBS Name	WBS Managers	Planning Status
<b>ECE06.10</b>	<b>EIC Detector</b>	<b>Ken Read/Doug Higinbotham</b>	
ECE06.10.03	Tracking	Xuan Li/Nilanga Liyanage	Kickoff Meeting Held, Planning Underway
ECE06.10.04	PID	Greg Kalicy/Xiaochun He	Kickoff Meeting Held, Planning Underway
ECE06.10.05	Electromagnetic Calorimetry	Friederike Bock/Yongsun Kim/Tanja Horn	Kickoff Meeting Held, Planning Underway, Bi-Weekly Status Meetings Scheduled
ECE06.10.06	Hadronic Calorimetry	Friederike Bock/Yongsun Kim	Kickoff Meeting Held, Planning Underway, Bi-Weekly Status Meetings Scheduled
ECE06.10.07	Magnets	Paul Brindza/Renuka Rajput-Ghoshal	Kickoff Meeting Needed
ECE06.10.08	Electronics	Chris Cuevas/Martin Purschke	Kickoff Meeting Held, Planning Underway
ECE06.10.09	DAQ / Computing	Chris Cuevas/Martin Purschke	Kickoff Meeting Held, Planning Underway
<b>ECE06.10.??</b>	Detector Infrastructure	to be arranged...	
ECE06.10.11	IR Integration & Auxiliary Detectors		
ECE06.10.14	Polarimetry and Luminosity		
<b>ECE06.10.??</b>	Detector Pre-Ops & Commissioning		

# BACKUP