

12 GeV CD Deliverables

Deliverable	Description	Date
CD-4A	11 GeV capable beamline to Halls A, B and C installed: The three beamlines designed for 11 GeV are installed and checked out. Ready for “hot checkout” followed by beam commissioning.	December 30, 2014
CD-4A	12 GeV capable beamline to Hall D Tagger area installed: The Hall D beamline designed for 12 GeV is installed and checked out. Ready for “hot checkout” followed by beam commissioning.	December 30, 2014
CD-4A	Accelerator Commissioned by transporting a ≥ 2 nA electron beam at 2.2 GeV: One-pass 2.2 GeV beam has been transported to the inline beam dump at the end of Arc 2.	December 30, 2014
CD-4A	New Experimental Hall and the Counting House $\geq 10,500$ square feet has achieved beneficial occupancy	December 30, 2014
CD-4B	Hall B Detector operational: Events recorded from beam-target interactions using the Hall B CLAS12 detector systems with 3-pass > 6 GeV beam energy and at least 2 nA average beam current	December 30, 2016
CD-4B	Hall C Detector operational: Events recorded from beam-target interactions using the Hall C SHMS detector systems with 3-pass > 6 GeV beam energy and at least 2 nA average beam current	December 30, 2016
CD-4B	Hall D Detector operational: Events recorded from beam-target interactions using the Hall D Spectrometer detector systems with 5.5-pass > 10 GeV beam energy and at least 2 nA average beam current	December 30, 2016

12 GeV Beam-Specific Level 2 Milestones

Milestone	Description	Date
2-03	Accelerator Commissioned: The three accelerator CD-4A deliverables have been demonstrated.	December 2, 2013 [†]
2-09	Hall A Beam Commissioning Completed: Events recorded from beam-target interactions using the spectrometer detector systems with 3-pass > 6 GeV beam energy and at least 2 nA average current	February 10, 2014 [†]
2-13	Hall D Beam Commissioning Completed: Events recorded from beam-target interactions using the spectrometer detector systems with 5.5-pass > 10 GeV beam energy and at least 2 nA average beam current	July 11, 2014

[†]These milestones are inconsistent with our present commissioning plans.