

U.S. LHC Accelerator Project- Progress 2nd Quarter FY 2003

Right- Four completed LBNL-produced Interaction Region Absorbers. These “TAS” type copper absorbers are needed to protect the final focus system components (e.g. quadrupole magnets, correctors, etc...) from secondary particles from p-p collisions at the two high luminosity interaction regions (i.e. LHC points 1 and 5, where the ATLAS and CMS detectors are). These items are being readied for shipment to CERN.



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Above- At Fermilab, the U.S. LHC Magnet assembly bay in the Technical Division Industrial Complex.. Two Q2 quadrupole vacuum vessels and a Q2 prototype (red components) are being stored on the left. Q2 magnet assemblies in progress are in the center.