

U.S. CMS Project Progress- 2nd Quarter FY2003



Above- U.S. produced muon Cathode Strip Chambers (CSCs) being tested at CERN. After production by Fermilab, then final assembly and testing in the U.S. (at U-Florida, UCLA/Riverside) the CSCs are delivered to CERN and stored/tested in the unused Intersecting Storage Ring facility prior to installation. U.S. production of 150 CSCs is complete, with 75 chambers delivered to CERN and 45 chambers ready for installation.

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Right - A 1,000 ft² clean room at the University of California Santa Barbara (UCSB) is fully dedicated to CMS Silicon Tracker module production. UCSB will share production with Fermilab SiDet facilities.



The UCSB space houses a wire-bonding machine (shown at left), automated module assembly gantry, precision measuring machine and other apparatus needed to construct 30-50% of the 6,000 U.S. produced silicon modules.