

TOP TURNS TEN

10th Anniversary of the Top Quark Discovery

Fermilab
October 21, 2005

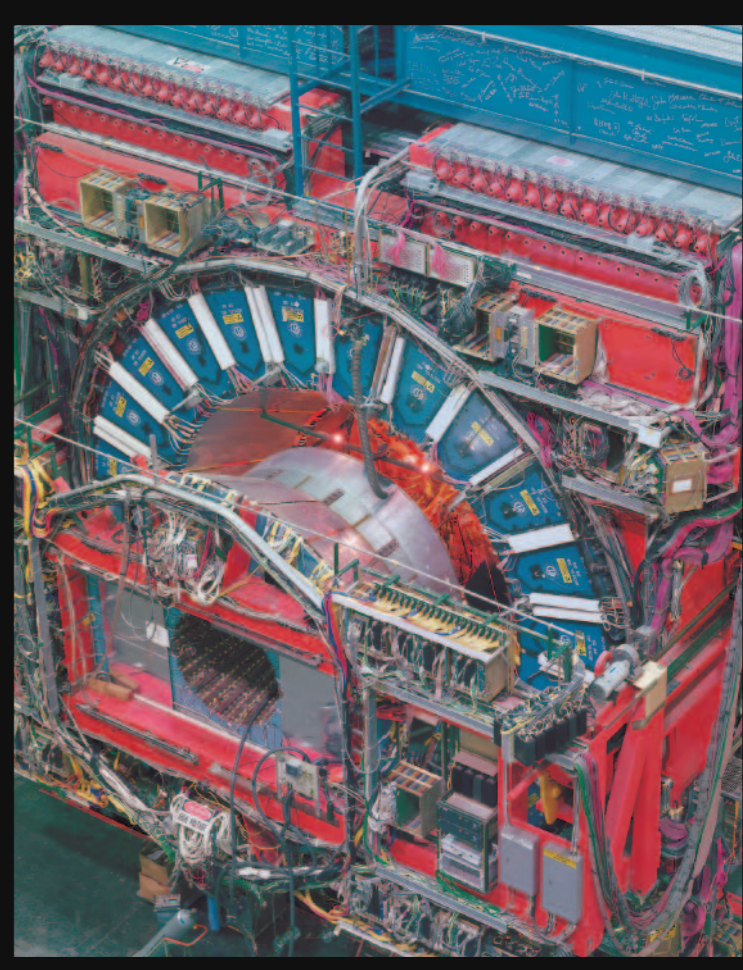
top quark

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An afternoon symposium in celebration of the 10th anniversary of the discovery of the Top Quark at Fermilab by the CDF and D0 collaborations. A reception in the Wilson Hall atrium will follow the symposium.

Details at <http://www.fnal.gov/pub/news05/TopTurnsTen.html>

Fermi National Accelerator Laboratory / Office of Science / U.S. Department of Energy / Managed by Universities Research Association, Inc.



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Public Information Office, P.O. Box 500, Batavia, IL 60610 Telephone: 708-840-3351 Facsimile: 708-840-8780

NEWS MEDIA CONTACTS:
July Jackson, 708/840-4112 (Fermilab)
Gay Fitchford, 708/252-2013 (DOE)
Jeff Sherwood, 202/586-5806 (DOE)

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PHYSICISTS DISCOVER TOP QUARK

Batavia, IL—Physicists at the Department of Energy's Fermi National Accelerator Laboratory today (March 2) announced the discovery of the subatomic particle called the top quark, the last undiscovered quark of the six predicted to exist by current scientific theory. Scientists worldwide had sought the top quark since the discovery of the bottom quark at Fermilab in 1977. The discovery provides strong support for the quark theory of the structure of matter.

Two research papers, submitted on Friday, February 24, to Physical Review Letters by the CDF and DZero experiment collaborations respectively, describe the observation of top quarks produced in high-energy collisions between protons and antiprotons, their antimatter counterparts. The two experiments operate simultaneously using particle beams from Fermilab's Tevatron, world's highest energy particle accelerator. The collaborations, each with about 450 members, presented their results at seminars held at Fermilab on March 2.

