

Today's "Top" Story

IS IT THE TOP QUARK? YES!!!

**SPECIAL
EDITION**

"The discovery of the top quark is a great achievement for the collaborations."

- John Peoples, Fermilab Director 1989-1999

"Last April, CDF announced the first direct experimental evidence for the top quark, but at that time we stopped short of claiming a discovery. Now, the analysis of about three times as much data confirms our previous evidence and establishes the discovery of the top quark."

- Bill Carithers, CDF



Scientists at CDF (top) and DZero (bottom) simultaneously push the buttons on their computers to submit two research papers to Physical Review Letters on Friday, February 24, 1995 at 11 a.m. The papers described the observation of top quarks produced in the Tevatron.



"This monster, compared with all the other quarks, is like a big cowbird's egg in a nest of little sparrow eggs. It's so peculiar it must hold clues to some important new physics."

- Paul Grannis, DZero

"We're so elated by the discovery of the top quark that we haven't yet begun to sift all the data, but this particle is so astonishingly heavy that its decay may give us hints of a lot of other things, perhaps even of supersymmetric particles."

- Boaz Klima, DZero

"This discovery serves as a powerful validation of federal support for science. Using one of the world's most powerful research tools, scientists at Fermilab have made yet another major contribution to human understanding of the fundamentals of the universe."

- Hazel R. O'Leary, Secretary of Energy 1993-1997