

HIGH-ENERGY PHYSICS

Betting on a Boson

COLLISION COURSE: Several Rochester scientists were part of an international team whose work on the Compact Muon Solenoid (CMS) experiment at the Large Hadron Collider in Switzerland and France produced evidence this summer of a particle believed to be the long-sought Higgs boson. The work by Rochester's Arie Bodek, Regina Demina, Paul Slattery, Aran Garcia-Bellido, Pawel deBarbaro, and Sergei Korjenevski helped support a nearly 50-year-old theory by Carl Hagen, professor of physics at Rochester. Hagen was one of six researchers who published similar papers in 1964 that predicted the existence of the subatomic particle. **PHOTOGRAPH BY REX FEATURES/AP IMAGES.**

