The road to discovery

403 authors signed the paper
42 institutions
8 countries (Brazil, Colombia, France, India, Korea, Mexico, Russia, US)

The work of the collaboration – building, testing, software development, physics analysis – takes place in groups of only a few people. Each person works in 2 or 3 of these small groups, within the matrix of higher level groups. Every week, we spend time on editorial boards that intensively scrutinize each physics analysis prior to public presentation.

Now about 720 participants; 86 institutions in 20 countries, spanning the globe

International contributions

France: Transition Radiation Detector used for electron identification
Russia: End calorimeter module components and Forward Muon System
Brazil: Components of trigger system
Columbia, Korea, Mexico: Software development

In North America

In Europe

In South America

Graduate student training

About 230 students have received PhDs on DØ. They made many original contributions to the top discovery. These students are perhaps our most important product.

So who discovered the top?

Question: Which DØ members deserve the credit for the top quark discovery?

Answer: all of them, even some who did not sign the paper.

So hats off to the hundreds of men and women who felt the urge to chase the elusive top quark...

Answer: all of them, even some who did not sign the paper.