

COLLOQUIUM

The CDF Experiment, and the Italians

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Fermilab

May 3, 2017

4:00 p.m. - Wilson Hall, One West

CDF was designed in 1980-1981 by a US-Japan-Italy Collaboration, involving 87 physicists of 9 US, 2 Japan and 2 INFN groups with 15 Italians. At the top of its data-taking effort in 2003, the Collaboration comprised 650 physicists of 53 groups from many Nations, including 6 Italian groups with 111 physicists. The talk will describe the various detector innovative upgrades and the extremely successful progress of the experiment, from a few prove-of-existence collisions in 1985 to the high luminosity Run 2 which ended in September 2011. Scientific discoveries and many important results of the Collaboration, which were reported in 700 publications as of today, and the essential contributions given by the INFN physicists, will mark the steps of this extremely successful scientific adventure.