

Graduate Seminar
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oral
Discovery of the Top Quark
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Abstract

What is top quark and what does the discovery of the top quark mean ? Top quark which is the weak isospin partner of the Bottom quark was one of the missing quark in the standard model. So the discovery of it confirms us the validity of the standard model. The measurement of the mass of top quark makes us sure of the Higg field and particle. Physicists was trying to find top quark from 1977 when bottom quark was discovered. The long search came to a successful conclusion in 1995 with the announcement that the top quark had been observed in the CDF (Collider Detector at Fermilab) and DØ experiments at Fermilab's Tevatron collider. In this talk, after brief introduction of standard model, we will discuss what we need and how we can do to find top quark.

References:

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