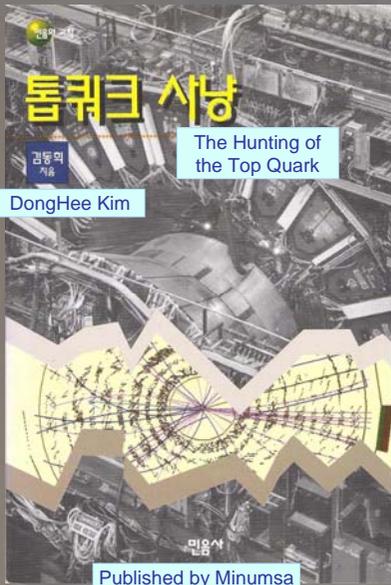




The Hunting of the Top Quark : Science Book published in Korea



- spent about a year for the write-up and 179 pages book.
- Published by Minum Publishing company, which is one of the biggest companies in Korea, at March 1996.
- Chronologically written : From Democritus to the discovery of the top quark.
- Cover almost entire history of particle discoveries.
- But every contents has been focused on the top quark discovery.

Ch 1. GOT IT !

In April 23, 1994, the news on a discovery of an elementary particle has been delivered throughout the world. It was claimed the last particle, which human being found, which should exist in nature. The top quark....

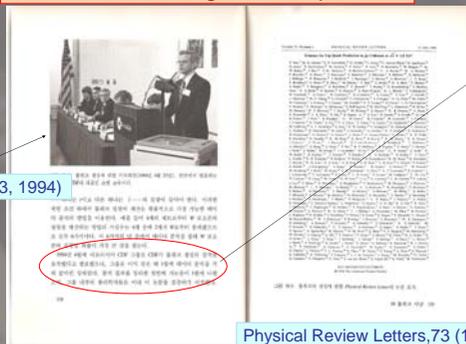
.....(omission)

The top quark was discovered by so called 'CDF' group of Fermi National Accelerator Laboratory. Exactly speaking, the CDF found the evidence of top quark existence. About a year later, The Fermilab officially announced the discovery of the top quark.



TIME Magazine May 9, 1994

Ch 18. The Hunting of the Top Quark



Press Conference(April 23, 1994)

Physical Review Letters,73 (1994)

Even though the CDF announced the evidence of the top quark existence in April 1994, the group already finished data analysis in January 1994. Physicists started The rumor has been spread out ... Around Feb 1994, the top business became almost like an open secret.... Some people in the CDF asked to give a press conference as soon as possible.... The Tevatron was running and colliding protons and antiprotons with the world highest energy ever even during the press conference in Apr 1994....In 1995, the Tevatron gathered 2.5 times more data....

.....(omission)

(page 161)

The 12th floor conference room at the High-Rise in Fermilab, which has been held the CDF group meeting every Friday, is a rather small size one with only about 30 chairs. The meeting used to be held with about 20 to 30 people at most of time. However, at 1:30 pm in February 17 1995, the room was fully occupied by the CDF members as much as there was no space even on the floor. At that day, Dr. Carithers, one of spokespersons, declared the discovery of the top quark to the CDF members.

The CDF and D0 group had announced the discovery of the top quark after two weeks since the CDF meeting.

Contents

1. GOT IT !
2. Thing called atom
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10. The Top quark should exist
11. Principle of Particle Accelerators
12. Experimental Aspects of Particle Acceleration
13. Tevatron and Fermilab
14. CDF Corps
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16. Detector called CDF
17. Data Selections
18. The Hunting of the Top Quark
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20. LHC : next generation accelerator
21. Epilogue

Advertisements in Newspapers



- written easily about 'matter mystery' ... -- Joongang newspaper
- very interesting last particle story... -- Chosun newspaper
- easy but very concrete ... -- Korea Publication Ethics Commission

• The book 'the hunting of the Top Quark' has been advertised with Steven Hawking's, Jeremy Rifkin's and Mijin Kim's book. Hawking and Rifkin are well known scholars. Mijin Kim is one of the best-selling novelists in Korea.

• This book has been often introduced for the beginner who want to study particle physics as a guide book in the universities..

• Many universities in Korea put this book in their libraries.



Funny episode : When readers ask about this book at bookstores, salesclerks often told them, 'Why don't you look for the book in Leisure&Recreation section instead you run around looking for the book in Science section...'

