Outreach of Italy's National Nuclear Physics Institute

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Infn Communication Office

Eppog Meeting,
3 October 2008

Italy's National Nuclear Physics Institute (INFN)

- 4 national laboratories
- 19 departments located inside universities and 11 sister departments
- CNAF in Bologna: the national data processing centre
- European Gravitational Observatory (EGO) near to Pisa (project VIRGO)
- Communication Office in the centre of Rome: that's us!!

Outreach activities of INFN's Communication Office:

www.infn.it/comunicazione

Ufficio Comunicazione

INFN review *Asimmetrie*

Exhibitions

Science festivals

Publications

Other outreach activities

Outreach of Lhc

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Exhibitions

Target: students ≥ 13 years and general public

Contents: particle physics and its applications
experiments of INFN

Exhibitions

Now travelling around Italy:
La Natura si fa in 4 (Nature is 4-divided)

- Contents: the four forces of Nature (electromagnetic, strong, weak and gravitational) each presented by several exhibits

- The exhibition is presented by science guides.

Exhibitions

- Inauguration in Science Festival of Bergamo (October 2007)

- Science Museum Naples (March), Science Festival in Novara (April) and Padova (May)

Next stop: Philosophy Festival in Città di Castello (October)

Exhibitions

Past exhibitions:

I Microscopi della Fisica (Microscopes of Physics)

- 100 qm exhibition with several exhibits
- Contents: to show particle physics through the instruments
- 2004-2007 in 9 Italian cities and in 2006 in Alexandria (Egypt)

Exhibitions

… and *Fisica su Ruote* (Physics on the road)

- interactive laboratory
- Contents: 3 guided tours starting from daily life objects
- From 2003 to 2007 in 20 Italian cities. In 2004 at ESOF in Stockholm (Sweden)

Exhibitions

Future exhibition:
Astri e Particelle (Asters and particles)

- Contents: astroparticle physics
- In preparation with other Italian research institutes
- Inauguration: October 2009 at Palazzo delle Esposizioni (Rome)
- Designed for Museo di Teramo (near LNGS)

Participation to science festivals

We send them

one of the INFN exhibitions

or

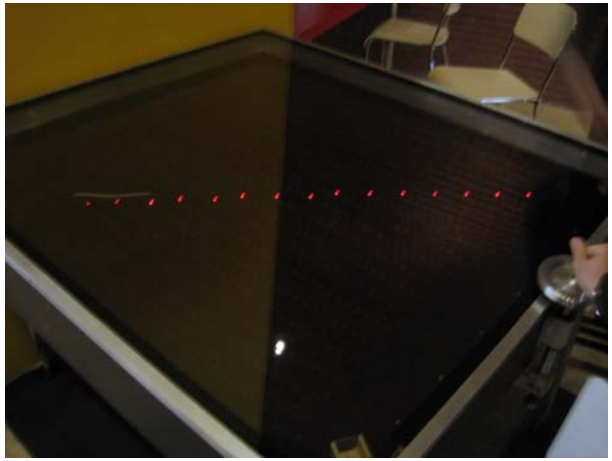
create new exhibition or outreach activity:

- adapted to the theme of festival

- logical order to exhibits

Participation to science festivals

January 2007: Festival delle Scienze di Roma (Auditorium)



Participation to science festivals

April 2007: Sperimentando (Padova)

Partcipation to science festivals

May 2007: “Apriamo la mente” (Lazio)

- *Microscopi della Fisica* in San Martino al Cimino (Viterbo)

- contribution to exhibition in the centre of Rome

- open day of LNF and Lhc night event

Participation to science festivals

May 2008: “Apriamo la mente” (Lazio)

- contribution to exhibition in the centre of Rome

- science cafés in Rome and Viterbo

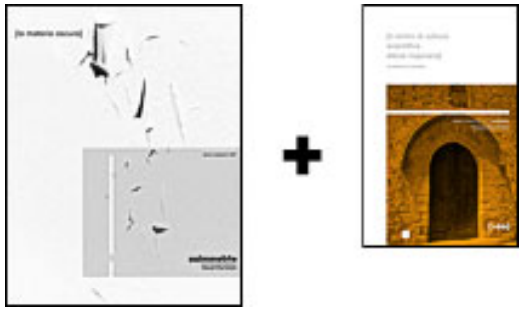
- theatre spectacle about Optics

Participation to science festivals

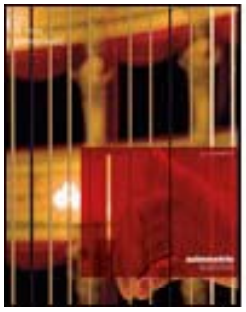
July 2008: ESOF Barcellona

- CasaProton (INFN Turin): Lhc experiments
- Aspera exhibition: cosmic ray detector and Virgo exhibit

INFN review *Asimmetrie*



Dark matter



Gravitational waves

Accelerators

Quarterly review edited by INFN (monograph)

Target:

- institute employees (researchers, technician and administrative personnel)
- high school students (reached trough the mediation of physics teachers)

INFN review *Asimmetrie*

Authors: researchers of the INFN

Editing process: guided by the Communication Office

Also an online rewiew: www.asimmetrie.it

Next issue: *Antimatter*

Other outreach activities

Masterclasses

- 9 INFN departments
- coordinated by INFN Communication Office

Other outreach activities

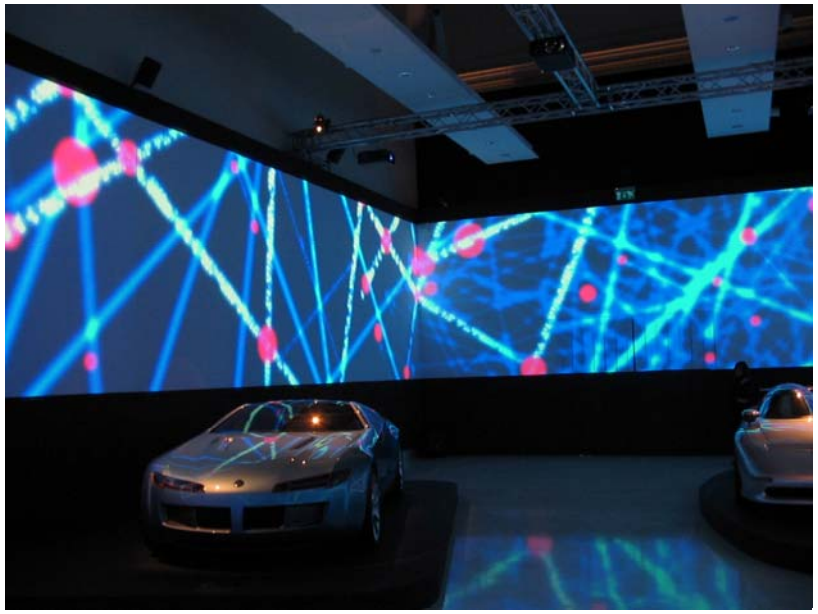
Fisica in barca (Physics on the boat)

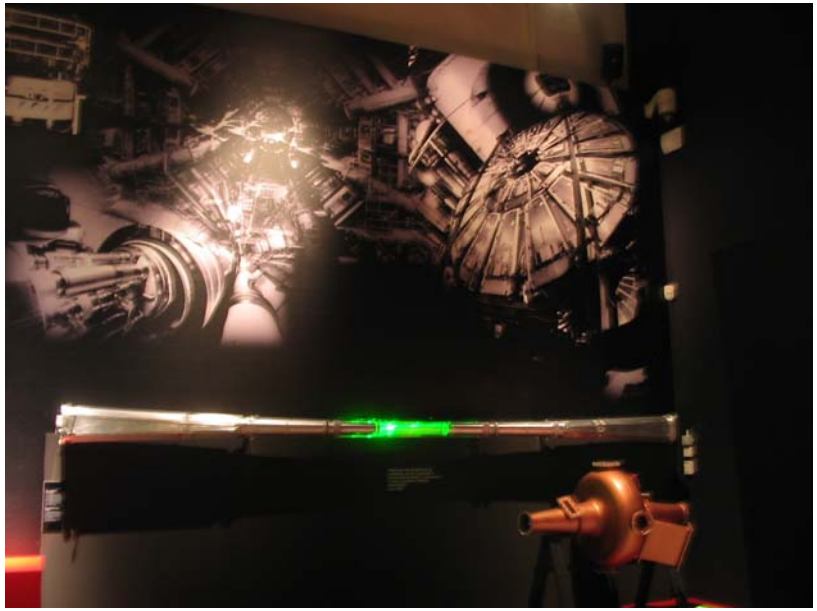
- October/November 2005
- November/December 2007
- May 2008

Other outreach activities

Participation to exhibition
Il mito della velocità (The myth of velocity)

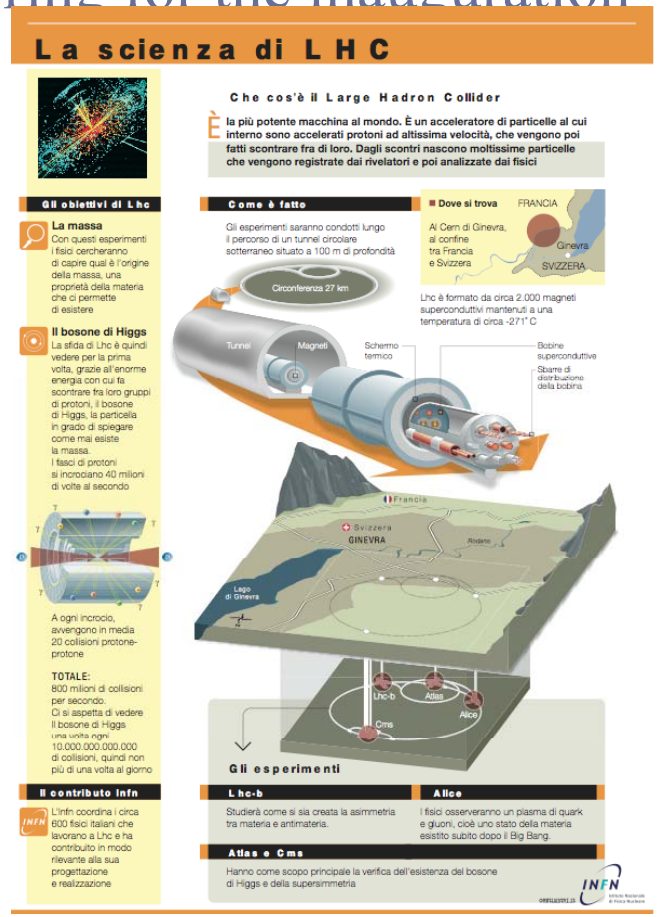
- from February to May 2008 in Palazzo delle Esposizioni (Rome)





Lhc outreach

- 7 posters
- Lhc video
- “Boson day” - event in Science Museum of Milan and Naples in spring for the inauguration



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