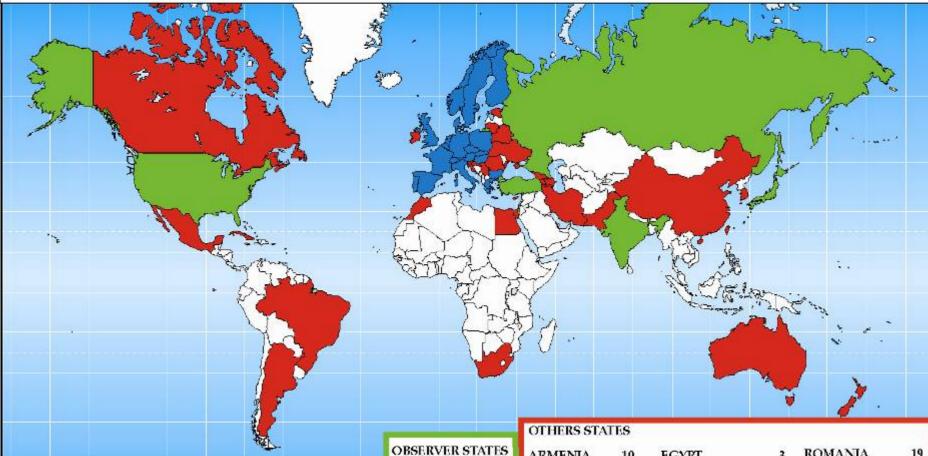




Distribution of All CERN Users by Institute on 8 September 2004



MEMBER STATES

AUSTRIA BELGIUM BULGARIA CZECH REPUBLIC DENMARK FINLAND FRANCE

GERMANY GREECE HUNGARY ITALY NETHERLANDS NORWAY POLAND 4419

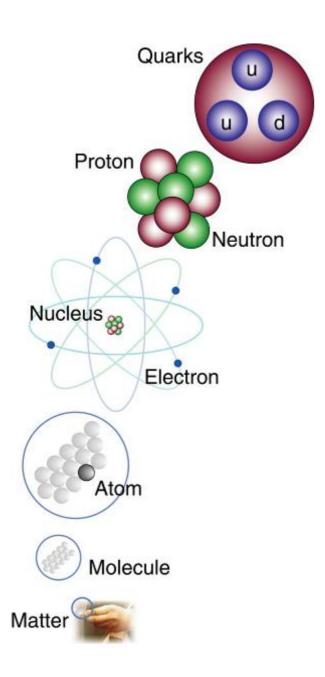
PORTUGAL SLOVAKIA SPAIN SWEDEN SWITZERLAND UNITED KINGDOM INDIA 62 ISRAEL 33 JAPAN 94 RUSSIA 774 TURKEY 24 USA 634

1621

ARMENIA	10	EGYPT	3
ARGENTINA	1	GEORGIA	6
AUSTRALIA	10	CROATIA	15
AZERBAHAN	2	IRELAND	6
BRAZIL	29	IRAN	4
BELARUS	14	KOREA	19
CANADA	69	LITHUANIA	1
CHINA	55	MOROCCO	8
CUBA	3	MEXICO	15
CYPRUS	5	NEW ZEALAND	2
ESTONIA	6	PAKISTAN	11

ROMANIA 19 SLOVENIA 6 TAIWAN 20 UKRAINE 11 YUGOSLAVIA 11 SOUTH AFRICA 2

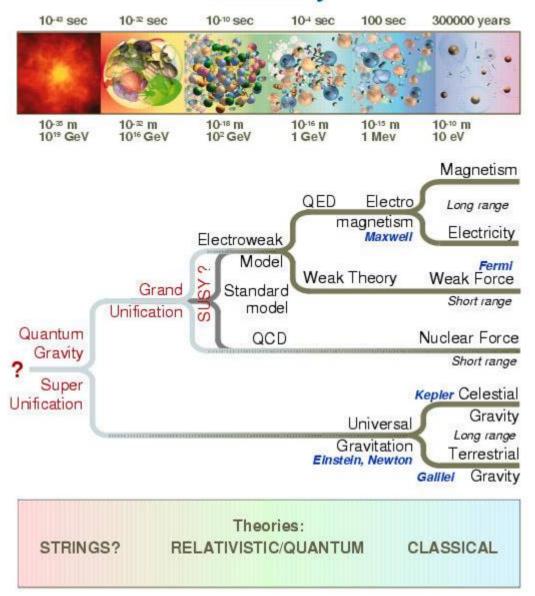
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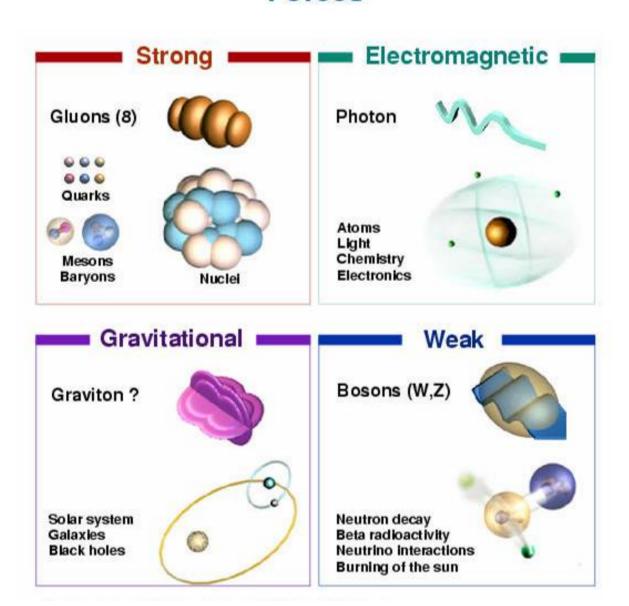


In 50 years, we've come a long way, but there is still much to learn...

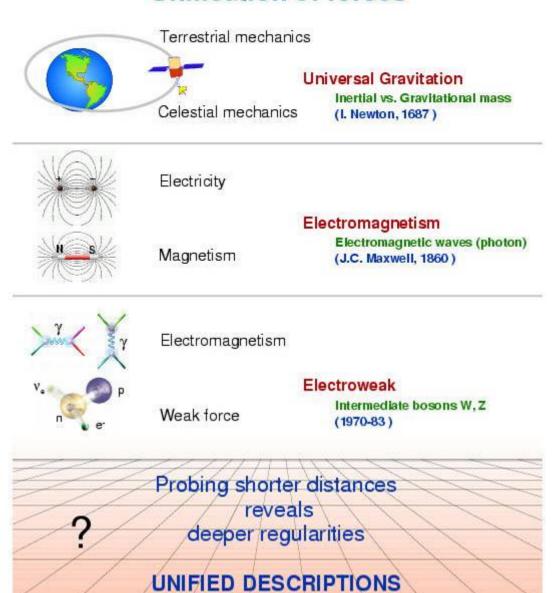
Summary



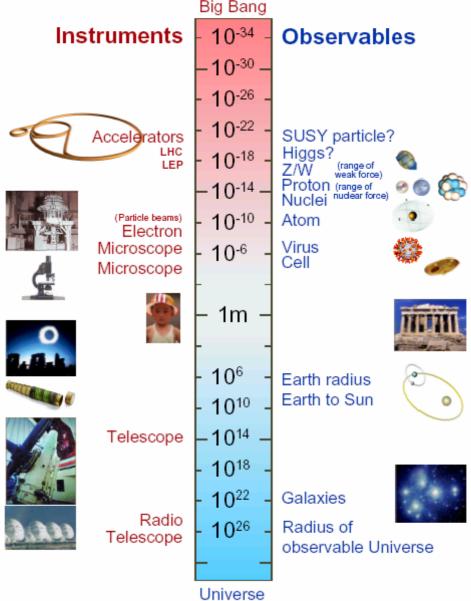
Forces



Unification of forces

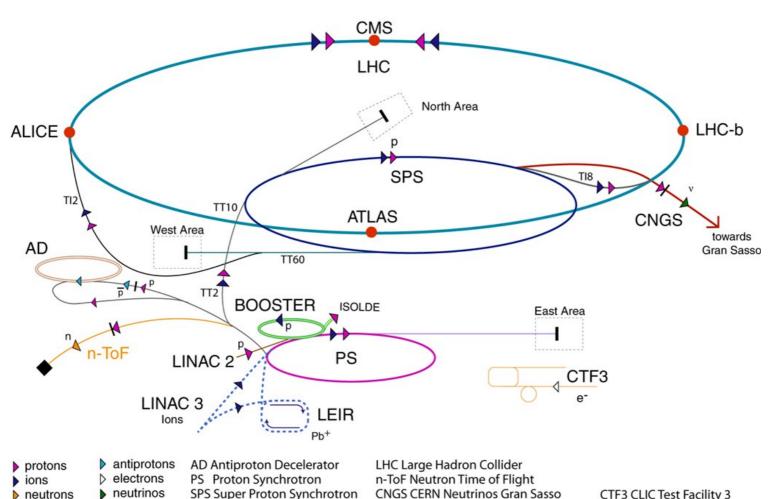


The size of things Big Bang

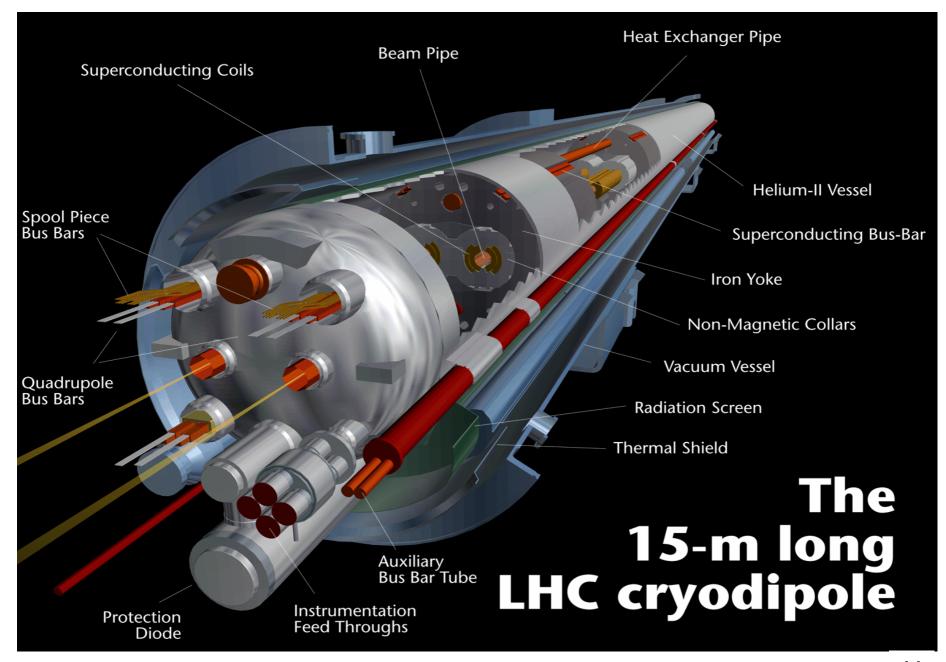


CERN: the World's Most Complete **Accelerator Complex**

(not to scale)







Magnet - Cryostat Assembly







Data in Large Quantities





What is the Grid?

- The World Wide Web provides seamless access to information that is stored in many millions of different geographical locations
- In contrast, the Grid is an emerging infrastructure that provides seamless access to computing power and data storage capacity distributed over the globe.

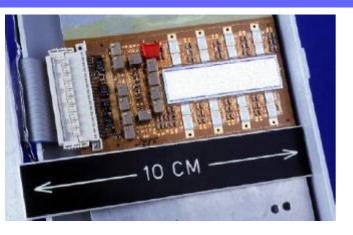




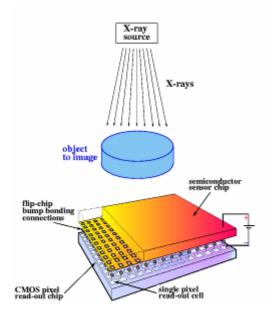




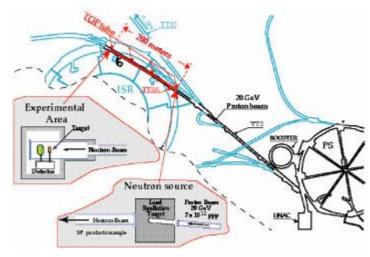
Technology Transfer Projects



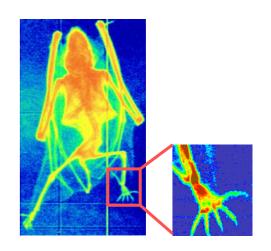
Silicon detector for a Compton camera in nuclear medical imaging



Thin films by sputtering or evaporation



Radio-isotope production for medical applications



Radiography of a bat, recorded with a GEM detector

Medipix: Medical X-ray diagnosis with contrast enhancement and dose reduction

CERN as Educator



Bringing Nations Together

