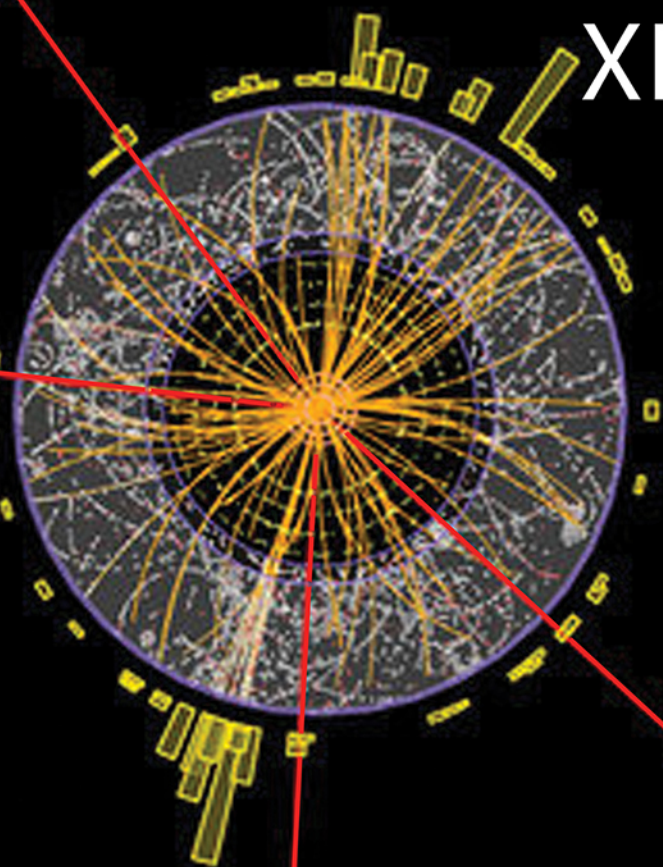




XIX FRASCATI SPRING SCHOOL "BRUNO TOUSCHEK"

IN NUCLEAR SUBNUCLEAR AND ASTROPARTICLE PHYSICS

**and 6th Young Researchers Workshop:
"Physics Challenges in the LHC Era"**



LNF, May 7 – 11, 2018
Frascati (Italy)



<http://www.inf.infn.it/conference/Infss/18/>

Dark Sectors: Theory

Maxim Pospelov (Victoria U. & Perimeter Inst. & CERN)

Experimental Searches for Axions and Axion-Like Particles

Igor Irastorza (Zaragoza U.)

Experimental Searches for Dark Photons

Venelin Kozhuharov (Sofia U. & INFN LNF)

Top-Quark and Higgs Physics at the LHC: Theory

Fabio Maltoni (CP3, Louvain Catholic U.)

Precision Electroweak, Higgs and Top Physics at the LHC: an Experimental Perspective

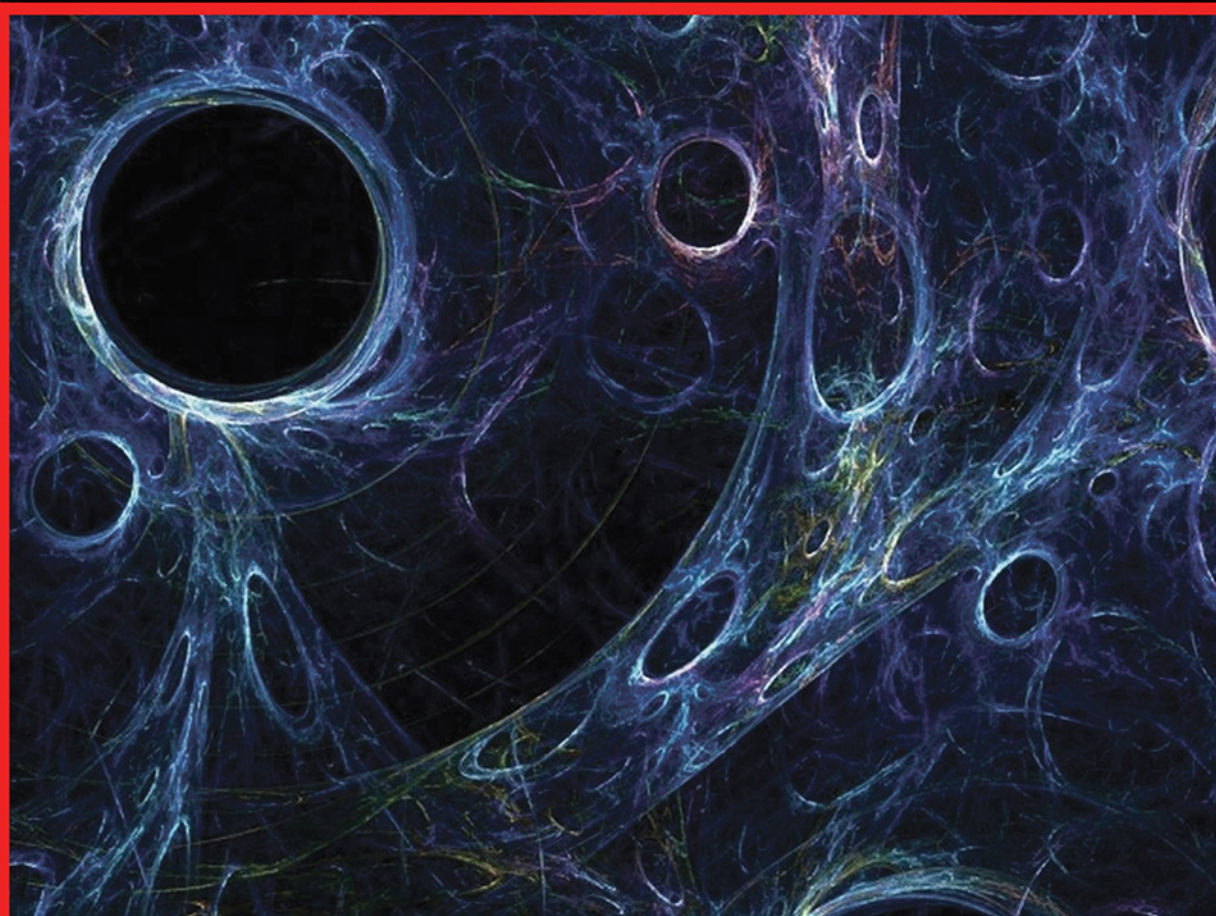
Marumi Kado (La Sapienza U., Rome & LAL, IN2P3 & CNRS & Paris
Saclay U.)

Gravitational Waves: Theory

Chris Van Den Broeck (NIKHEF Amsterdam & Groningen U.)

Gravitational Waves: Detectors and Data Analysis

Giancarlo Cella (INFN Pisa)



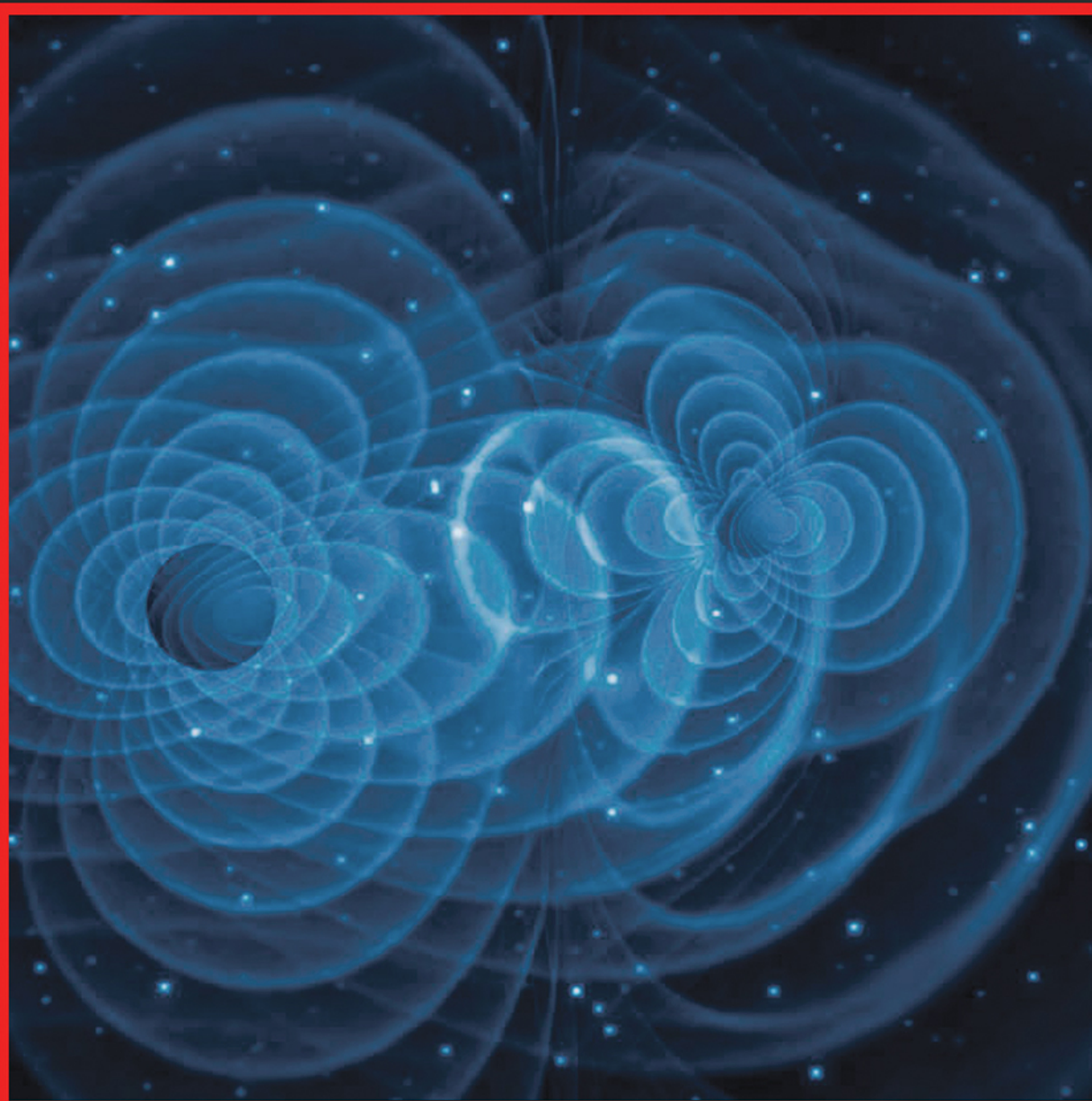
Spring School Colloquium

May 8th 18:00 – 19:00

The Origin of Life

The Incredible Experiments of the Evolution in the Primordial Seas

Marco Signore (Stazione Zoologica A. Dohrn, Naples)



International Scientific Committee

Wilfried Buchmuller (DESY)
Filippo Ceradini (Rome 3 U. & INFN)
Anna Di Ciaccio (Tor Vergata U. & INFN)
John Ellis (CERN & King's College, London)
Benjamin Grinstein (UC San Diego)
Ida Peruzzi (INFN LNF & Perugia U.)
Antonio Pich (IFIC & Valencia U.)

Local Organizing Committee

Fredrik Björkeröth
Gennaro Corcella (**Chairman**)
Claudio Gatti
Enrico Nardi
Giovanni Marco Pruna
Tommaso Spadaro
Marianna Testa