

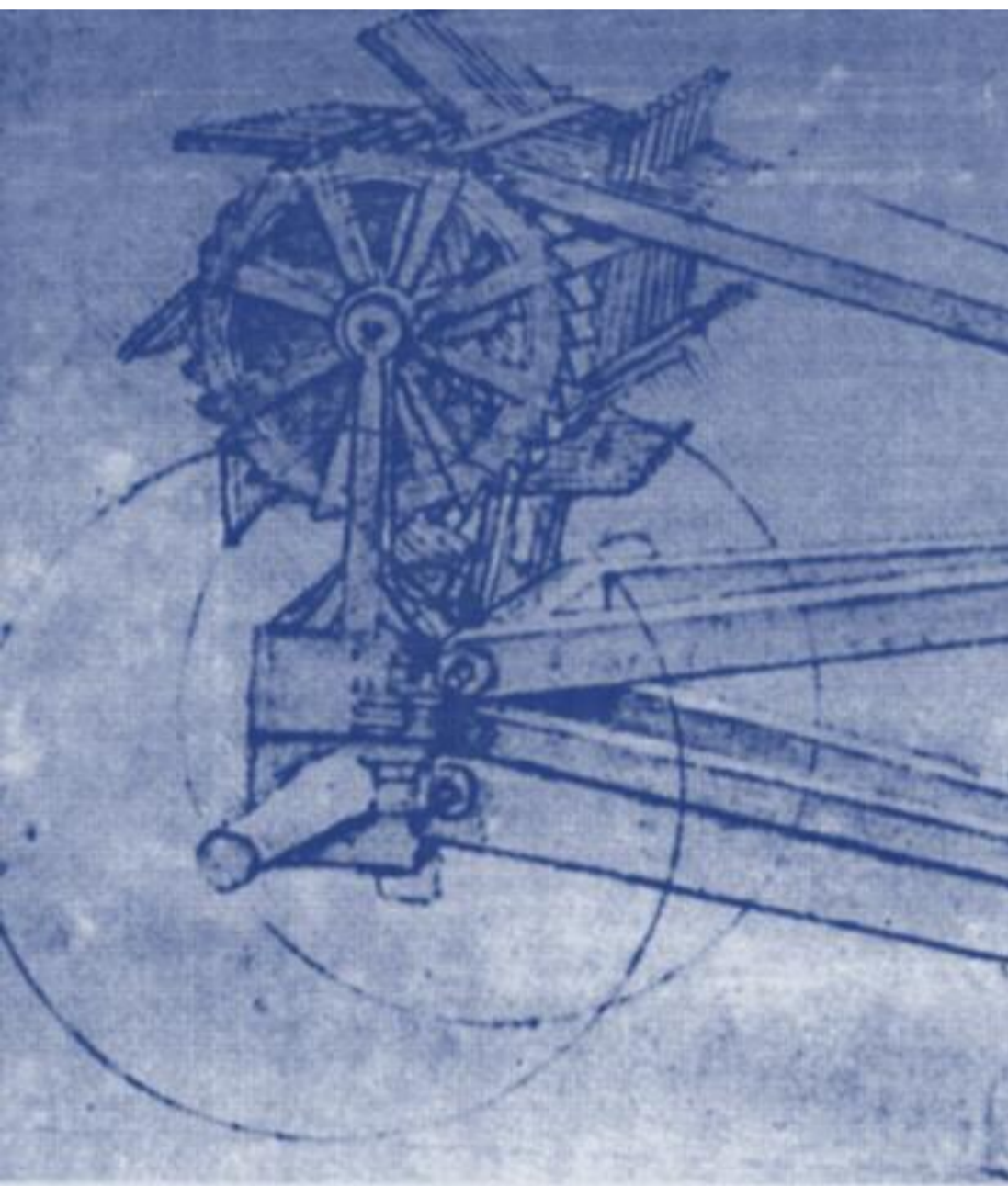


# 13th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors for Physics Applications

Experimental particle physics, detection of astrophysical sources and  
cosmic rays as tools for probing the contents of the Universe

Villa Olmo, Como 3-7 October 2011

The conference will be dedicated to discussions on observations and results obtained in particle physics experiments at accelerators, underground laboratories, submarine facilities and in cosmic ray physics in the energy range from sub-GeV up to TeV and beyond, and their implications for fundamental physics, i.e., particle physics, astroparticle physics and cosmology. Among the topics covered are new results - and surveys of theoretical models - from particle physics experiments at accelerator laboratories, space-based and terrestrial astroparticle experiments, including searches for dark matter and double beta-decay, a better understanding of the production of ordinary and/or exotic matter, propagation of cosmic rays in the Galaxy and within the solar system, processes inducing trapped particles inside the Earth magnetosphere and their effects, space environment - including Earth magnetosphere and Heliosphere and Solar-Terrestrial physics. The conference will also cover topics of physics and physics requirements on new advanced detectors, applications of simulation codes (e.g., GEANT4 or others), detectors for high-energy physics and space environment. It will also include presentations of the performance of detectors employed (or to be employed) in experiments for particle physics, astroparticle physics, astrophysics research and in space environment.



The conference is aimed to promote contacts and exchanges among scientists involved in Solar-Terrestrial physics, heliospheric physics, space physics, particle physics, astroparticle physics and cosmology both from the theoretical and the experimental approach.

Presentations include the following subjects: advances in particles physics from accelerator laboratories, advanced detectors, present and next generation of ground and space experiments, dark matter, double-beta decay, high-energy astrophysics, space environment, trapped particles, propagation of cosmic rays in the Earth magnetosphere, Heliosphere and Galaxy.

All contributions relevant to the Conference issues are welcome. The conference is by invitation.

For any information one should contact the secretariat service or refer to the conference webpage: <http://villaolmo.mib.infn.it/home>

The conference is supported by IEAP CTU in Prague, Istituto Nazionale di Fisica Nucleare (INFN) and University of Milano-Bicocca.

## ORGANIZING COMMITTEE

S. Giani, CERN  
C. Leroy, University of Montreal  
L. Price, ANL  
P. G. Rancoita, INFN-Milano-Bicocca (chairman)  
R. Ruchti, University of Notre Dame

## LOCAL ORGANIZERS

M. Falasconi, Centro Volta, Conference Secretariat  
F. Mercalli, Director of Centro Volta

## INTERNATIONAL ADVISORY COMMITTEE AND SESSION ORGANIZERS

D. Abbaneo, CERN  
S. Baccaro, ENEA Rome  
A. Bellerive, Carleton University, Ottawa  
P. Binko, ISDC and University of Geneva  
A. Capone, INFN and University "La Sapienza", Rome  
M. Cirelli, CNRS IPhT Saclay & CERN  
F. Donato, INFN & Univ. of Torino  
F. Favata, HQ ESA  
S. Gabici, Lab. APC, CNRS and Univ. of Paris 7  
A. Ibarra, TUM Munich  
E. Nappi, INFN Bari  
M. Gervasi, INFN & Univ. of Milano-Bicocca  
F. Jansen, DLR, Bremen  
K. Kudela, Slovak Academy of Sciences, Kosice  
J. Pinfold, University of Alberta  
S. Pospisil, CTU in Prague  
M. S. Potgieter, North-West University, Potchefstroom  
J. Seguinot, College de France, Paris  
A.W. Strong, Max Planck Institut, Garching

## SCIENTIFIC ORGANIZATION ASSISTANCE

S. Della Torre, INFN Milano-Bicocca and Univ. of Insubria  
D. Grandi, INFN Milano-Bicocca  
M. Tacconi, INFN Milano-Bicocca

## CONFERENCE SECRETARIAT

### CENTRO DI CULTURA SCIENTIFICA A. VOLTA

*Mariagiovanna Falasconi (for general information)*  
email: [mariagiovanna.falasconi@centrovolta.it](mailto:mariagiovanna.falasconi@centrovolta.it); tel. +39.031.579814

*Martina Plotegher (for registration)*  
email: [icatppreg@centrovolta.it](mailto:icatppreg@centrovolta.it); tel. +39.031.579812

*Gabriella Fontanive (for accommodation)*  
email: [gabriella.fontanive@centrovolta.it](mailto:gabriella.fontanive@centrovolta.it); tel. +39.031.579815

Villa del Grumello, Via per Cernobbio 11 - 22100 Como  
fax: +39.031.573395

## Forms

Registration form and hotel accommodation form are on Web at:  
<http://villaolmo.mib.infn.it/home>  
Please be so kind to follow Web implemented procedures  
for abstract submission, registration and hotel booking.