

Overview

Parity violation is studied in a broad range of physics research. While the central theme of the workshop announced here (PAVI11) is its study in electron scattering experiments, many other physics topics will be reported in talks on the progress and status in atomic parity violation, beta decay, neutrino physics, electric dipole moments, weak decays and fundamental symmetries. Since these time-consuming and very difficult measurements are driven by technology, talks covering polarized sources, polarimetry, high powered cryo-targets will also be presented.

PAVI11, the 5th workshop in the series “From Parity violation to hadronic structure and more...”, will take place at the “Sapienza” University in Rome, the beautiful capital of Italy, from September 5 through September 9, 2011. This series of workshops started in Mainz (Germany) in 2002, followed by one in Grenoble (France) in 2004, a third on the Greek island of Milos in 2006 and the previous one in Bar Harbour, Maine, in 2008.

The workshop will cover the following topics:

- Atomic Parity Violation
- Charge Symmetry Breaking Quark Distributions
- Electric Dipole Moment
- Electron-Ion Collider
- Electroweak Physics at Colliders
- Extensions of the Standard Model
- Future Facilities and Electroweak Physics
- Hadronic Parity Violation
- Neutrino Physics
- Parity Violating Electron Scattering
- Parity Violation and QCD in Nuclei
- Polarimetry
- Polarized Electron Sources
- Tests of the Standard Model
- Two-Boson Radiative Corrections

All sessions will be plenary with half a day reserved for contributed talks and a poster session. On Thursday afternoon, September 8, an excursion to the large Roman archaeological complex of Villa Adriana at Tivoli will be followed by a social dinner.

Call for Abstracts

Abstracts for contributed talks can be submitted through the PAVI11 web page <http://www.roma1.infn.it/pavi11/> with a deadline of June 24. Abstracts accepted for oral presentation will be identified by July 6. All other contributions can be presented as posters.

Registration

The workshop fee is expected to be appr. 350 EU which will cover all lunches, coffee breaks, social activities and the workshop proceedings and will be finalized before June 1. Registration can be completed through the conference web site.

Accommodations

Hotel rooms are offered at special rates to PAVI11 participants, quoted on the workshop web page. A list of other hotels nearby the University is also shown.

Travel

Information on how to reach the workshop location from either the Rome-Fiumicino International Airport or from the Rome central train station is provided as Local info on the workshop web page

We look forward to seeing you in Rome.

PAVII1 Organizing Committee:

Guido Maria Urciuoli (Chair, INFN - Roma)
Dmitry Budker (UC-Berkeley)
Kees de Jager (Jefferson Lab)
Stanley Kowalski (MIT)
Krishna Kumar (UMass)
Frank Maas (HIM, GSI and JGU Mainz)
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Willem T.H. van Oers (UManitoba and TRIUMF)
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PAVII1 Advisory Committee:

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