

FATA2019

FAst Timing Applications for Nuclear Physics and Medical Imaging

Acireale, Italy, 3-5 September 2019

First Circular

We are glad to announce the first workshop on “**FAst Timing Applications for Nuclear Physics and Medical Imaging**”, to be held in Acireale (Catania) on September 3-5, 2019. The Workshop is aimed at gathering together scientists working either in fundamental physics or medical applications with common background in the Fast Timing technology.

The Workshop is organized by the Istituto Nazionale di Fisica Nucleare (INFN) Sezione di Catania and Laboratori Nazionali del Sud (LNS), by the Dipartimento di Fisica e Astronomia “Ettore Majorana” di Catania and by the Accademia degli Zelanti e dei Dafnici di Acireale.

General Information and Scientific Program

The workshop will focus on the most recent developments of Fast Timing techniques for applications of radiation detectors in the fields of nuclear physics and medical applications. The scientific program will have dedicated sessions to outline recent progress on both experimental and theoretical aspects of the following topics:

Scintillators and Photodetectors for fast timing

Readout electronics for ultrafast detectors

Solid state detector technology for fast timing

Processing of time stamped data

Precise event time tagging in high luminosity accelerators

Towards picoseconds Time of Flight (TOF) resolution

Time of flight positron emission tomography (TOF-PET) for Medical Imaging and Monitoring of Hadron therapy

Participation to the workshop by students, postdocs, technical staff and engineers is strongly encouraged. More details on the program will be provided in the second circular and at the conference web site.

Workshop Venue

The meeting will be held in the historical siege of the the Accademia degli Zelanti e dei Dafnici, in the picturesque town of Acireale, near the Etna volcano and on the shoreline close to Catania. The Accademia degli Zelanti e del Dafnici (<http://www.accademiadeglizelanti.it>) is an academic organization engaged in promoting cultural events within the local territory. Acireale can be easily reached by train or by bus from Catania. Details about transportation and accommodation will be provided in the second circular and on the conference web site.

Advisory and Organizing Committee

P. Cirrone (INFN-LNS), E. Cisbani (ISS and INFN-Roma1), L. Cosentino (INFN-LNS), G. Cuttone (INFN-LNS), E. De Filippo (INFN-Catania), F. Garibaldi (INFN-Roma1), F. Gramegna (INFN-LNL), C. Guazzoni (Politecnico di Milano and INFN-Milano), P. Lecoq (CERN), S. Majewski (University of California, Davis), E. Nappi (INFN-Bari), J. Nuyts (University of Leuven), A. Pagano (INFN-Catania), E. Pollacco (IRFU-Saclay), J. Pouthas (IN2P3-Caen), F. Rizzo (University of Catania and INFN-LNS), C. Sfienti (Johannes Gutenberg-Universität Mainz), A. Tumino (University of Enna and INFN-LNS).

Local Organizing Committee

G. Agnello (INFN-LNS), G. Cardella (INFN-Catania), G. Contarino (Accademia degli Zelanti e dei Dafnici di Acireale), M. De Napoli (INFN-Catania), E. Geraci (University of Catania and INFN-Catania), E.V. Pagano (INFN-LNS), S. Pirrone (INFN-Catania), G. Politi (University of Catania and INFN-Catania), S. Reito (INFN-Catania), P. Rusotto (INFN-LNS).

Social Events

An excursion to the surroundings of Mt. Etna and Acireale and the social dinner will take place on September 4th. Special transportations from Acireale to the adjacent seaside of Capo Mulini will be organized, on request, for accompanying persons. More details will appear in the second circular and on the conference web site.

Registration and Abstract Submission

Participants wishing to present a contribution may submit an abstract directly on the website. Abstracts will be selected by the advisory committee. The deadline for submission is June 20th, 2019.

Anyone wishing to attend the workshop is invited to register on the conference website. Onsite registration will also be possible at the conference desk. The registration fee will be 250 Euros, covering coffee breaks, social events and workshop material. Limited financial support for undergraduate and PhD students will be available under request to be submitted to the official contacts of the meeting.

Participant using INFN funds MUST will pay the fee by using internal fund transfer, that has to be organized between the local administration offices. Other participants will pay on arrival in cash or by credit card.

Official Contacts

For any information concerning the workshop please feel free to contact the Local organizing committee at FATA2019@ct.infn.it and look at the conference website <https://agenda.infn.it/e/FATA2019>.