LNF Mini-Workshop

Development of novel detectors at LNF

INFN Istituto Nazionale di Fisica Nucleare
Laboratori Nazionali di Frascati

Tuesday, 14 June 2016 from 14:30 to 18:05
INFN - LNF (Auditorium Bruno Touschek)

chaired by Patrizia de Simone (LNF)

The Frascati Laboratories have a long and outstanding expertise in detectors development and construction. Through the years these detectors have been successfully installed on many apparatus,in Frascati and in others High Energy and Nuclear Physics Laboratories.

In this workshop some of the most recent novel technologies developed at LNF will be reported by our youngest colleagues: these technologies are suitable not only for general purpose collider detectors and dark matter searches, but also for astrophysics, medical and industrial applications.

14:30 - 14:45
Welcome by LNF Director
Speaker: Pierluigi Campana (LNF)

14:45 - 15:20
NITEC: a Negative Ion Time Expansion Chamber for very rare event search
Speaker: Elisabetta Baracchini (LNF)

15:20 - 15:55
A novel Micro-Pattern-Gas-Detector based on the μ-RWELL technology
Speaker: Marco Poli Lener (LNF)

15:55 - 16:15 Coffee Break

16:15 - 16:50
Next-generation laser microreflectors for the whole solar system
Speaker: Lorenzo Salvatori (LNF)

16:50 - 17:25
VOXES, a new high resolution X-ray spectrometer for low yield measurementsin high background environments
Speaker: Alessandro Scordo (LNF)

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