BRAINSTORMING SU “INSEGNARE FISICA SPERIMENTALE NEL NUOVO ORDINAMENTO”

RIVELATORI DI PARTICELLE “fai da te”: idee e applicazioni

Interviene il dott. Valerio Bocci - INFN sez. Roma % Dipartimento di Fisica -Università “La Sapienza”

Presso l’auditorium del Liceo Scientifico Classico e Linguistico “Giulio Casiraghi”
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PROGRAMMA:

ORE 14: Ritrovo e registrazione

ORE 14.30: Inizio conferenza

ORE 15.30: Condivisione esperienza % il Liceo “G. Casiraghi” e presa visione dei rivelatori e del loro funzionamento

ORE 16: Domande e brainstorming

ORE 17: Conclusioni e ringraziamenti

Ritiro attestati di partecipazione

L’iscrizione deve avvenire attraverso il format accessibile al seguente indirizzo:
https://docs.google.com/forms/d/15cmSHYSOIsiKjIBwkzgOYvdV0ksi6hHgprwyvP9DoXs/edit

Notizie sul relatore:

Valerio Bocci is senior Technologist of INFN Roma.

He graduated in Particle Physics in 1991 in the University of Rome Tor Vergata with a thesis A Single Photon trigger in DELPHI experiment at CERN. He continued the work at CERN in the DELPHI Trigger group designing the main modules for trigger and timing distribution.

In 1993 he started to work in KLOE experiment in National in Frascati Laboratory (LNF) as one of the main designer of the Trigger system and Data acquisition.

From 1998 he worked in the Atlas experiment trigger group at CERN and he was one of the first in scientific Literature to propose and demonstrate the possibility to use Field Programmable Gate Array in radiation environment, his work was cited also from independent study of NASA.

In 1999 join the LHCb experiment at CERN and was the ideator and coordinator of the control system of muon chamber sub-detector.

In 2006 he was the Electronic coordinator of the Electromagnetic calorimeter of SuperB proposal of experiment. From 2012 he join the Chirone Group to design a beta particle detector to use in radioguided surgery of tumors marked with beta source.

Professor in charge of “Electronics for Particle Physics” of the Physics PhD course in University of Rome La Sapienza.

The design of a compact scintillator detector with Silicon photo-multiplier readout used in the radio guided surgery and in UA9 experiment was exported in the educational field as INFN technology transfer as cosmic and nuclear radiation detector with the name ArduSiPM.