



Series of Seminars:

SCINTILLATOR DETECTORS:
from Theory to Applications

(Medicine, Security, High Energy Physics and Engineering)

Seminar #3

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The electromagnetic calorimeter of PANDA Project

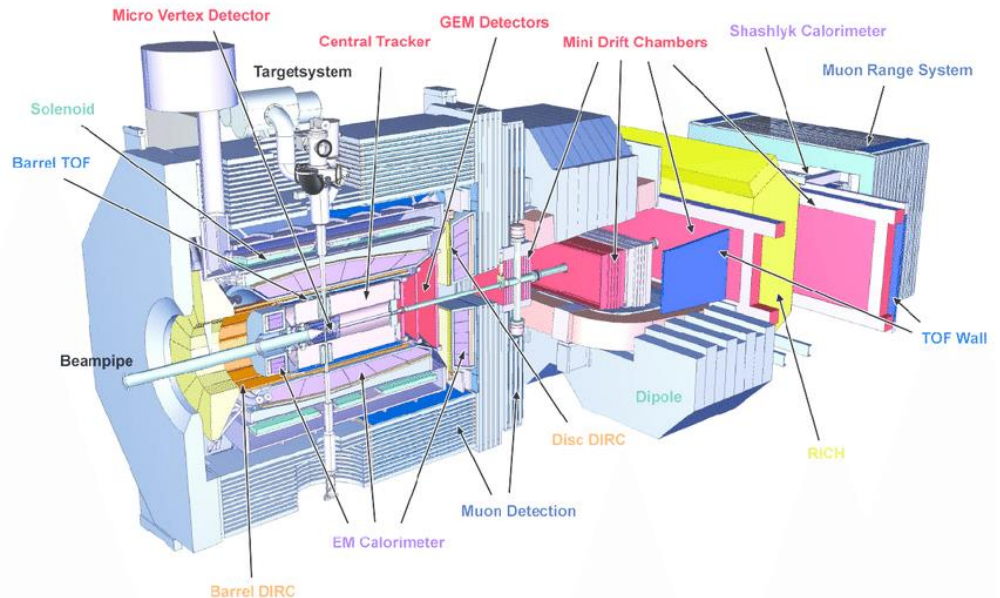
Room 160/1, July 3rd 2019, 14.30 – 15.30 (Ancona, IT)

Facoltà di Ingegneria, Università Politecnica delle Marche,

Web-streaming: <https://meet.lync.com/univpm-pm/s1062746/XRFM96ID>

Topic

In Particle Physics or High Energy Physics the core detecting device is the calorimeter; a calorimeter is an experimental apparatus which measures the energy of particles. This leads to the detection and recognition of the different particles (e.g. the recent development of the Higgs Boson). The base of these devices are the scintillating detectors which convert the particle energy into light. The report will give a general overview of PANDA project, a new calorimeter which is going to be built, and the application of lead tungstate crystals as a basic material for the electromagnetic calorimeter of the target spectrometer for PANDA detector.



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