

ASP2014

Report of Abstracts

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Radiation measurements and dosimetry

Abstract content

Status: Ionizing radiations are used in many domains, from energy production to research, from industrial applications to medicine. Whatever the scope, appropriate precautions must be taken and procedures must be followed to avoid undue exposures and to ensure that the risk incurred by occupational exposed workers and the general public remains within the limits imposed by national legislations. The lecture will discuss: - The effects of ionizing radiation on man, deterministic and stochastic effects, natural exposures - Radiological quantities and units: physical, protection and operational quantities - Principles of radiation protection: justification, optimization and dose limitation, the ALARA principle Protection means and examples of instrumentation for measuring ionizing radiation

Summary

Primary author(s) : SILARI, Marco (CERN)

Presenter(s) : SILARI, Marco (CERN)

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Submitted by **MUANZA, Steve Guy** on **Monday 04 August 2014**