



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES
Département de physique
nucléaire et corpusculaire

SÉMINAIRE DE PHYSIQUE CORPUSCULAIRE

SUJET: **Silicon Photomultiplier – characteristics and applications**

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RÉSUMÉ:

The Silicon PhotoMultiplier (SiPM) is nowadays the latest generation of solid state detectors in silicon technology dedicated to visible light detection. In particular, it can be used when multi-photon detection is involved and where low voltage operation, low power consumption, insensibility to magnetic field, small spatial resolution and compactness are required.

In this seminar, the device working principle as well as its electro-optical characteristics will be reviewed. The application of SiPM arrays in building very compact hand-held radiation detector used in therapeutic purposes will be also presented.

INFORMATION : <http://dpnc.unige.ch/seminaire/annonce.html>

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