

## **Introduction to Photodetection**

**C. Joram**

The lecture will introduce to the basic principles and design choices of photodetectors for the visible and UV range of the electromagnetic spectrum. We will also review the key factors which driving their performance. We will discuss photodetectors based on vacuum (PMT, MA-PMT), gaseous (MWPC, GEM) and solid media (photodiode, APD, G-APD), as well as hybrid devices (HPD, X-HPD).