



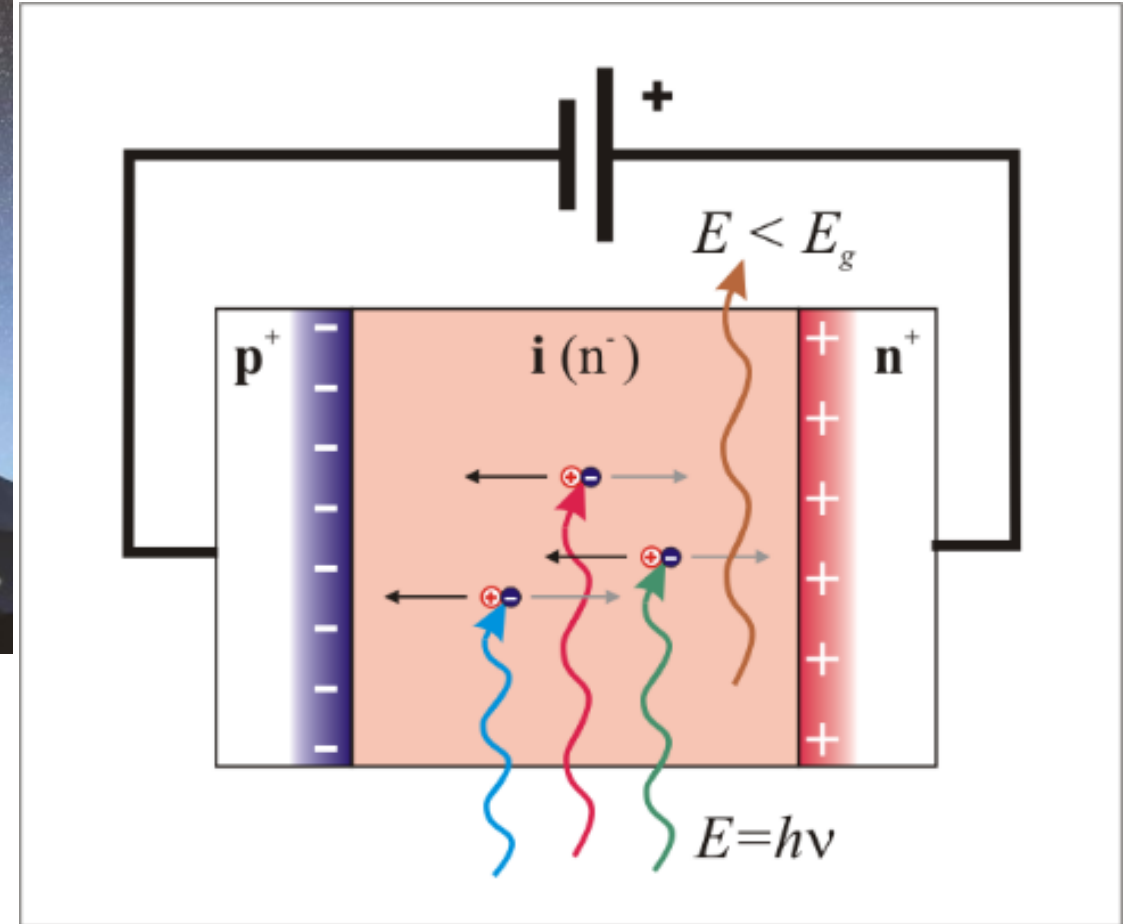
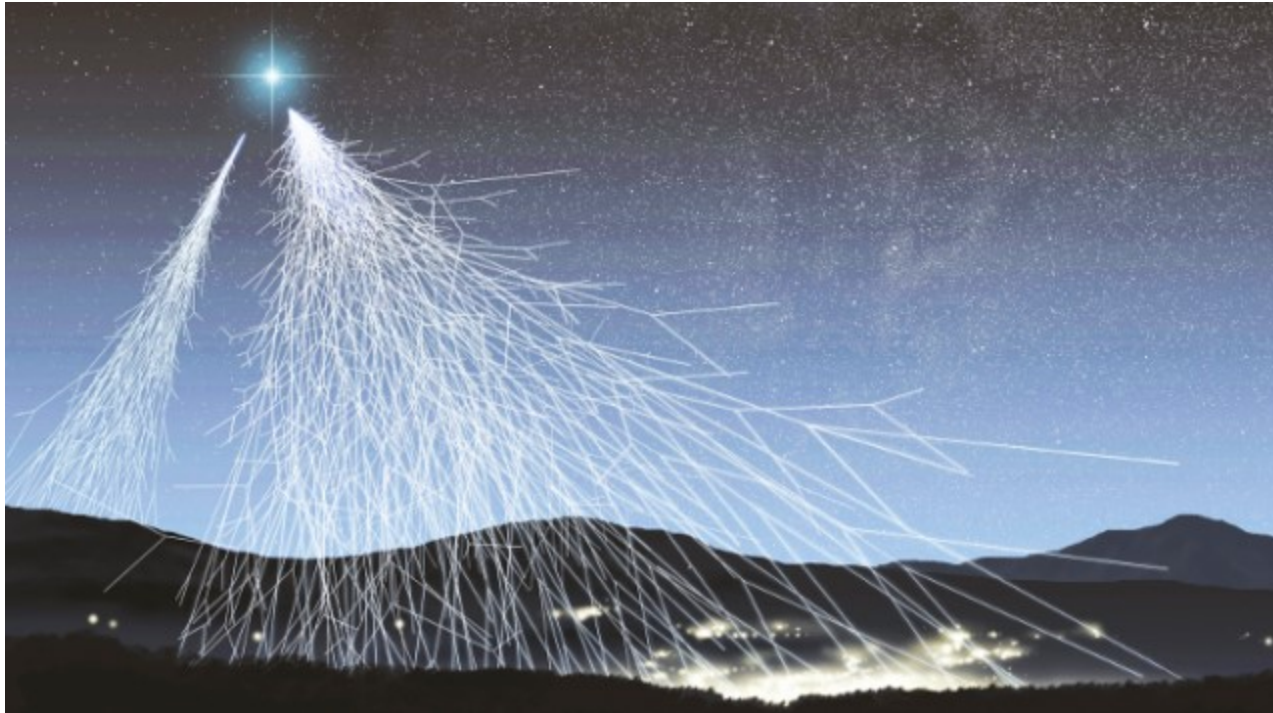
MOYENS DE MESURE DIODE SILICIUM

COMET ENV : BALLONS ET ENVIRONNEMENT ATMOSPHERIQUE

18/05/2022

Arnaud DUFOUR

Analyser les particules protons et électrons

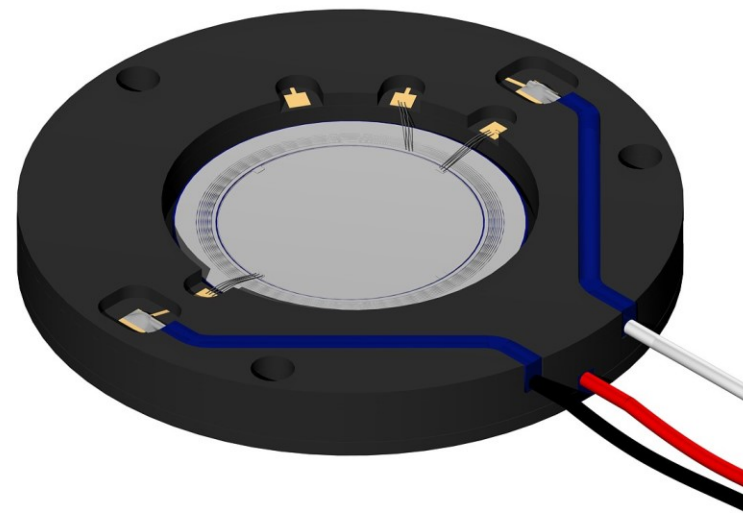


Source : Posted by CERN on PhysicsOpenLab

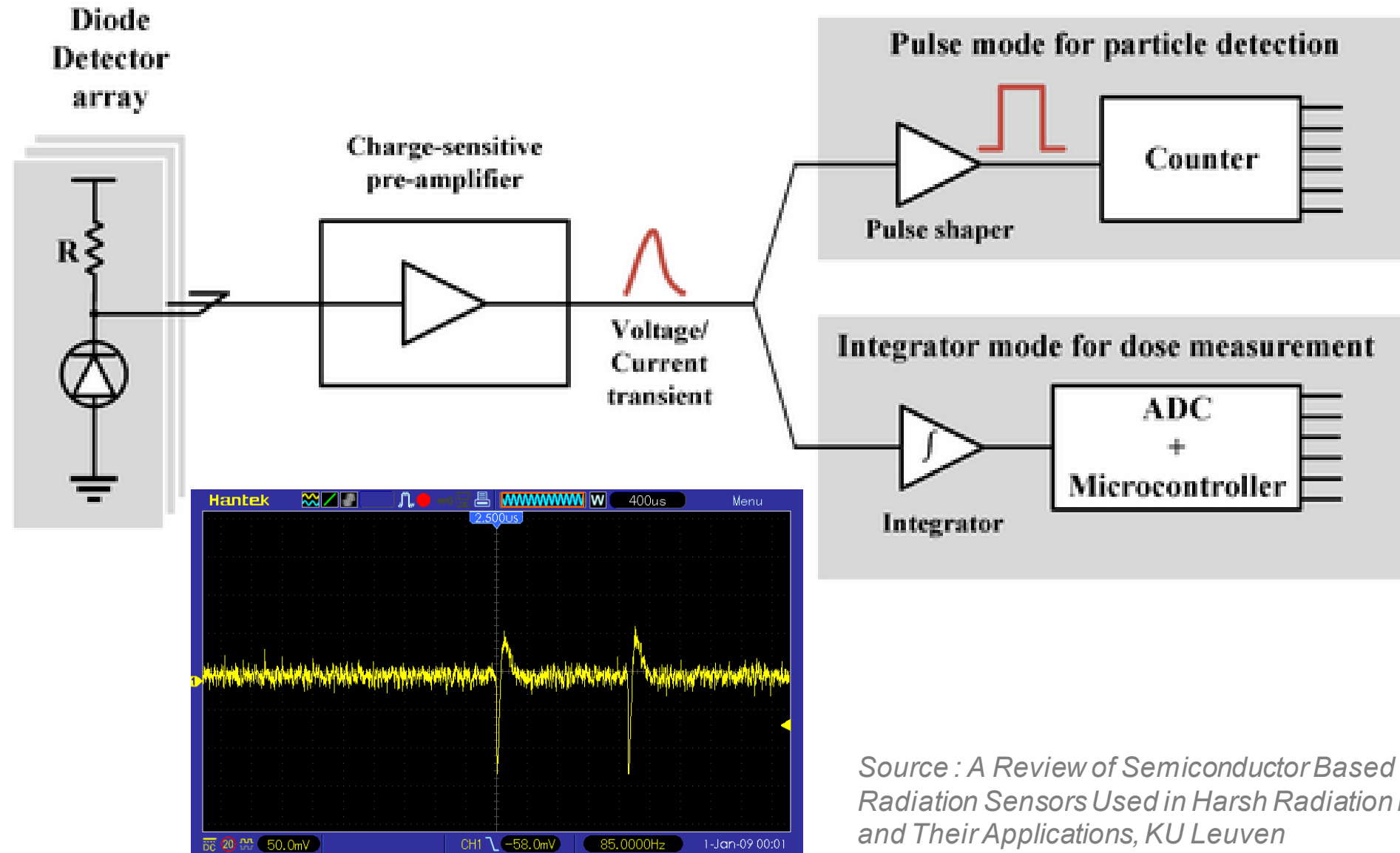
Catalogue de produits à disposition



Micron Semiconductor Ltd



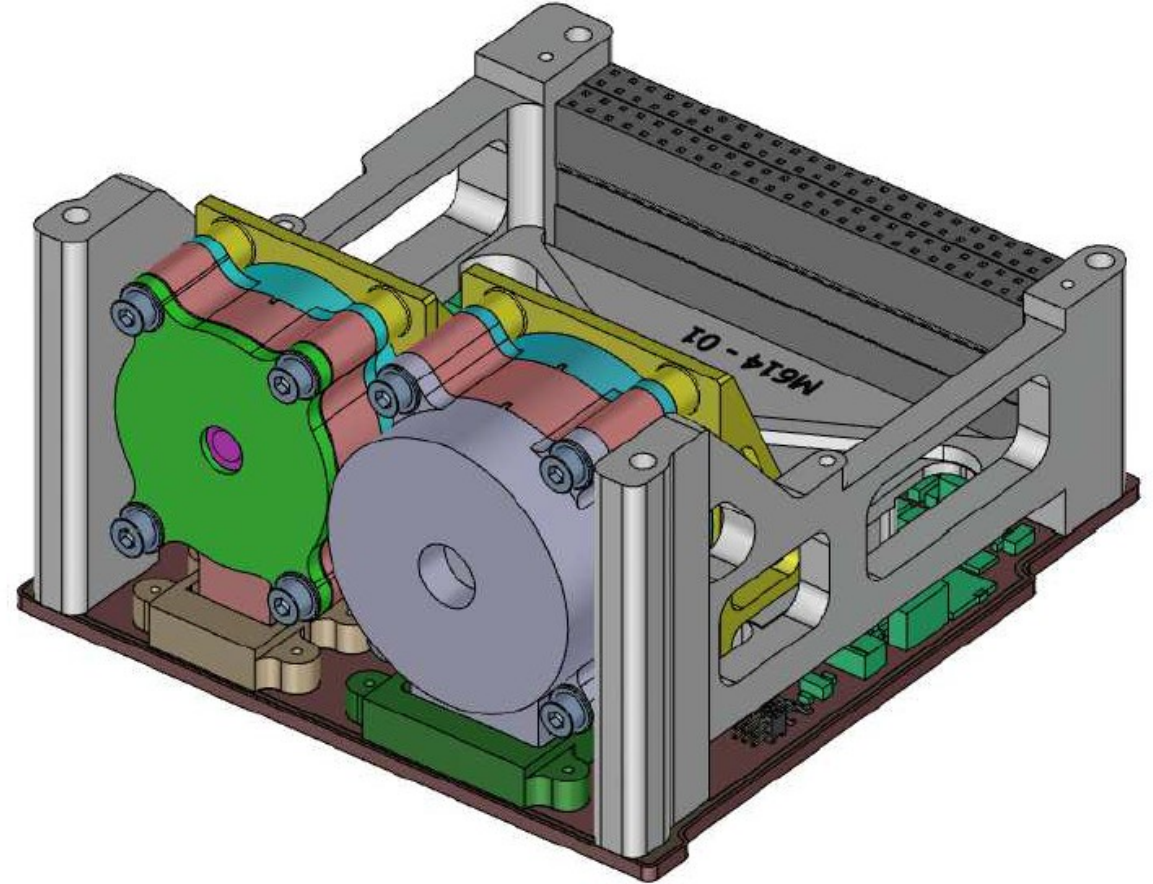
Nécessite une électronique analogique de faible bruit



Source : *A Review of Semiconductor Based Ionising Radiation Sensors Used in Harsh Radiation Environments and Their Applications*, KU Leuven

Développement en cours côté CNES

	Nanosat Spectral monitor DREAM
Mass	<400g
Volume	<0.6U (55x100x100mm)
Consumption	2W typical, under 5V.
Performance	Can provide 256 energy channels and also an oscillogram of the signal
Technology sensor	Silicium Diode from Mirion



QUESTIONS ?