



Device for Radiation Detection

RIFERIMENTI E LINK

Reference person:

Matteo Perenzoni

Tel. 0461314533

e-mail: perenzoni@fbk.eu

Research Unit IRIS: iris.fbk.eu

Research Center CMM: cmm.fbk.eu

DESCRIPTION

Silicon Strip and pixel Detectors (SSD and SPD): used for the detection of high-energy radiation. They are generally used for tracking particles.

SPECIFICATIONS

- double-side technology
- thin entrance window
- substrate thickness from 200 to 800um
- custom design
- in-house production

ADVANTAGES & APPLICATIONS

- Analytical instrumentation,
- physics experiments,
- astrophysics,
- homeland security.

STATUS

- TRL 9 - actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space).
- Non-Patented Technology.
- Technology owned by FBK.