

Preliminary questions for the Industrialization panel

Divide “analog sensors” and monolithics

Analog:

- How are we making experiments if HPK stops making sensors?
 - Will Chinese firms save us since no one in Europe does?

Monolithic:

- Can we make a large experiment without analog detectors?
 - Are monolithics a real step forward? Cons: monolithic actually don't simplify the design since monolithic readout will never be complex enough ==> we will need anyway a second layer of more complex circuitry

Why do we have a European leadership in sensors R&D but a lack of production capabilities? Involvement of European foundries

- Up to now, they saw no beneficial returns on their investments.
 - What can we do to change their minds?

Questions for the “facilities” panel

Beam test facilities:

1. What do we need to improve (spatial and temporal resolution) present facilities, and how to pay for it ?
2. Be sure that future accelerator complex upgrades include the capabilities of beam tests.

Irradiation facilities:

1. How to keep within Europe the present good level of irradiation capabilities?
2. How are we going to handle severely irradiated sensors and associated electronics? Handling, shipping, receiving, storing, and testing.
3. Neutron irradiation can be done “fast”, but charged hadron irradiation is much slower. How do we foresee to irradiate with charged hadrons?

Additional facilities:

How can we “exploit” other facilities?

1. ELI
2. Ion beams
3. Two Photons Absorption set-up.