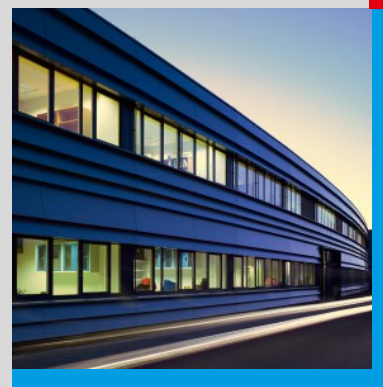


# Non-Sensitive Materials in High Energy Physics



DESY, 13-14 September 2012

Future experiments at the Terascale demand "zero-material" tracking detectors with excellent space and energy resolution. Conversely, the increased complexity and granularity of inner tracking detectors impose strong requirements on powerful cooling and excellent structural rigidity.

This challenging task can only be accomplished with tight collaboration between research institutes, academia and industry.

This workshop brings all the relevant partners together to:

- outline the requirements on passive materials for HEP detectors,
- review the existing state of the art materials with emphasis on the thermal and mechanical properties,
- discuss limitations and options, and
- sketch the dreams that will support HEP detectors in 10 years time.

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