

Ge detector problematics

- Equipment in use:
- Repair of Ge detectors not possible (e.g. Exogam Ortec)
 - Repair not affordable (e.g. Miniball Eurisys)
- AGATA:
- CE monopoly increases costs
 - 2nd. source to secure production is missing
- DESPEC:
- no affordable source for planar Ge detectors (FZ Jülich (D. Protic et al.) is being shut down)
- Future developments:
- knowledge base is fading away

Ge Development and Maintenance Capability

Core task:

- Repair of all kinds of Ge detectors
- Develop novel position sensitive detectors

Wanted side effect:

- Production capability for AGATA, DESPEC, ...

Other possible tasks:

- Develop associated electronics, mechanics,..
- Search for alternative detection materials

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What can we do?

Networking:

- Find interested parties
- Discuss ideas, produce solutions
- Identify sites
- Coordinate actions
- Secure support/funding

Start-up:

- Set-up maintenance/development sites
- Define specific tasks/actions
- Develop and demonstrate capabilities

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Cost and effort

- Cost:
- ca. 1M€ for repair/production facility
(Most of required equipment is available, but not in one place)
 - > identify equipment, supply to site(s)
 - > search for alternatives (commercial implantation, rent a clean room...)
 - > find financial sources (repair/development fees, EU, FAIR, virtual institute...)
- Effort:
- 3 persons for 3 years learning phase repair/production facility
(maintained permanently, additional personnel for other sites)
 - > supply funds for personnel
 - > redirect personnel

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