Accelerating Researcher Careers

Prof. Carsten P. Welsch



Particle Colliders

Lithography

Accelerator-Driven Reactors

Material Irraditation

Food Processing

Antimatter ,Factories'

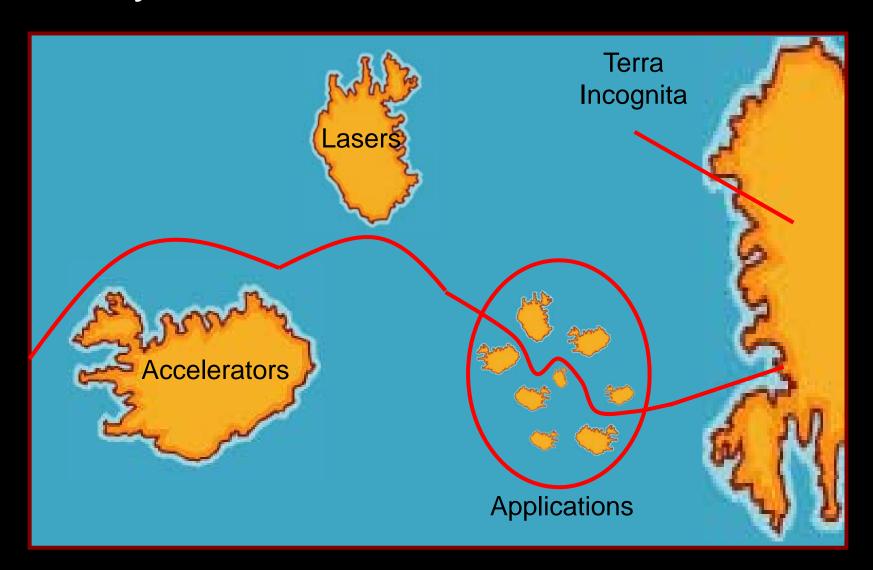
Medical Accelerators

Spallation Sources

Light Sources

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Today

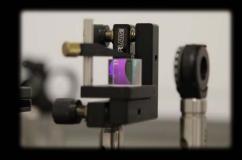


Also excellent for training

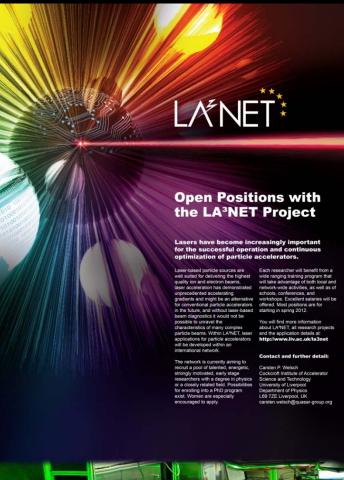


Image: Mariusz Sapinski, CERN





- Detector design
- Physics
- Engineering
- Lasers and optics
- IT: Monte Carlo studies
- Electronics
- Vacuum technology
- Cryogenics
- Accelerator operation
- Data analysis



 Laser Applications for Accelerators – A Marie Curie Network

- 19 Fellows
- 36 Partner Institutions
- 4.6 M€



oPAC – largest EU network



- Optimization of Particle Accelerators
 - 23 ESRs
 - 40 Partner Institutions
 - 6 M€



Enhanced Training

- Fellow R&D
- Researcher skills training
- Dissemination and Outreach



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