

PAUL SCHERRER INSTITUT

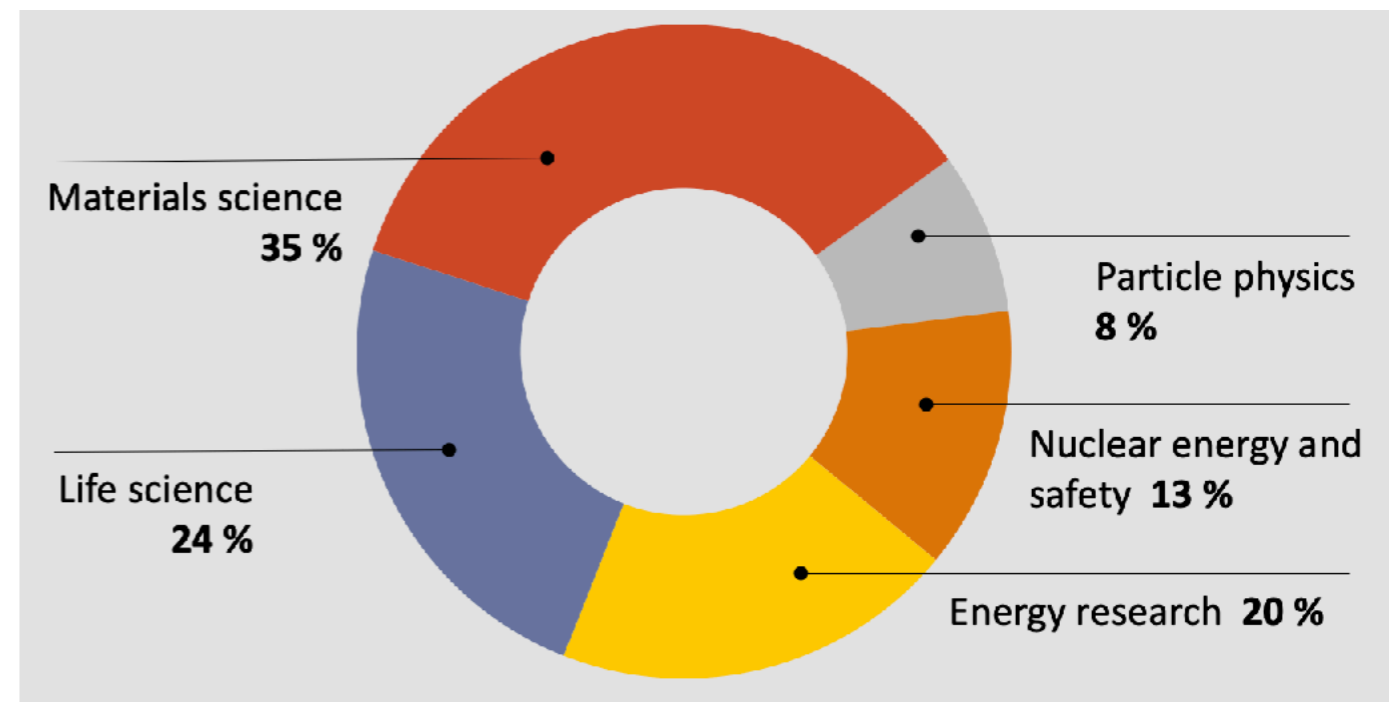


Andreas Knecht :: Paul Scherrer Institut

The Paul Scherrer Institute

INTENSE Mid-Term Review, 24. 6. 2022

- One of the four research institutes of the federal Swiss government embedded in the ETH domain together with the other institutes and ETHZ & EPFL
- Total budget of around 400 MCHF; 2500 employees
- One of the missions is to operate large scale facilities for Swiss and international researchers: SmuS, CHRISP, SINQ, UCN, SLS, SwissFel



- Particle physics program is driven by the high-intensity proton accelerator HIPA
- Due to continuous beam structure, ideally suited for the searches for rare muon decays based on coincidence techniques
→ MEG II, Mu3e
- Search for the electric dipole moment of the neutron using UCN
→ n2EDM
- Many additional smaller muon and UCN experiments and developments that profit and rely on HIPA
- Ongoing HIMB project to increase muon rates by a factor 100

