



FZJ Accelerator R&D MT ARD strategy meeting

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Current involvement in POF3 ARD



- 3 projects in ST2 on hardon accelerator
 - High field electrostatic electrode
 - Spin tracking for exploring the spin coherence time etc.
 - High intensity polarized ion source
- Motivated by the precision frontier, and taped heavily in the unique local competance
 - Con: bare minimum crosslink with other HGF centers

Proposal for POF4 ARD



- Post accelerate/decelerate JULIC beam using LINAC
 - Motivated for providing variable low energy medium current light ion including polarized beams for studies in
 - High Brilliant neutron Source development
 - Medical radioisotope R&D
- Stochastic cooling for low energy deuteron beam, i.e. \beta~0.45
- Beam dynamics between the electron beam and light ion beam
 - For the space charge compensation
 - Strong interests for FAIR
 - For the bunched electron cooling
 - Strong interests for cooling high energy beams, EIC, HESR, etc.
- EB element development
 - TDR for deuteron EDM storage ring
- High precision beam position monitor
 - Motivated by high precision EDM storage ring
 - Can also be general interests of the community