Session A-3: discussion

- In recent years, intense efforts have been devoted to study novel beam manipulations based on single-particle non-linear dynamics, such as MTE, MTI, transition jumping in stable islands, halo cleaning using stable islands, cooling of annular distributions using stable islands, slow extraction with stable islands and crystal… could any of these approaches be profitable also for beams under the influence of space charge?
- Any experience of bunch shaping using ring RF frequency rather than e.g. PIMS?
- Painting
  - Painting/preserving hollow longitudinal phase space distributions
  - Approximate Neuffer distribution?
  - Status of painting at other facilities (J-PARC, ISIS, CERN PS) and future plans
- Space charge of spinning beams
  - Effect of large vorticity/angular momentum on particle-core resonance in rings
  - Coherent instabilities for KV distribution in coupled focusing system with large emittance ratio
- Challenges of coupled optics/flat beams for colliders