

## Possible areas of collaboration

### Accelerator R&D for MW beams

- H- Laser manipulation (DEJ + JAEA)
- Test beams for instrumentation (Friend + Mandy)
- BPM Electronics (Nathan –)
- Gated IPM (Sato + Jim Z)
- DCCT calibration to 0.1% (Toyama + Aisha / Phil)
- Loss monitor calibration / high-rate operation
- Resonance/optics correction (Kiyomi + Igarishi)
- Low-mass multiwires (testing now, can have a next generation – Friend – Gianni)
- Beam-induced fluorescence / Transfer-line IPMs
- RF cavities – potential high-harmonic at J-PARC
- Electron Cloud instability (Toyama + Others/J-PARC + Bob)

### R&D for Neutrino Beam Production

- Target integrity monitoring (Nakadaira)
- Target Facility issues (Nakadaira + Vaia)
- Horns (Nakadaira/Sekiguchi + ..)
- Secondary instrumentation (Friend + Bob)
- Inert vessel sealing (exchange ideas – Vaia + Sekiguchi)
- Radionuclide production (simulation / methods of investigation)
- Hadroproduction? Emulsion? (Sekiguchi)
- Neutrino Flux prediction? (Laura F. + Sekiguchi)