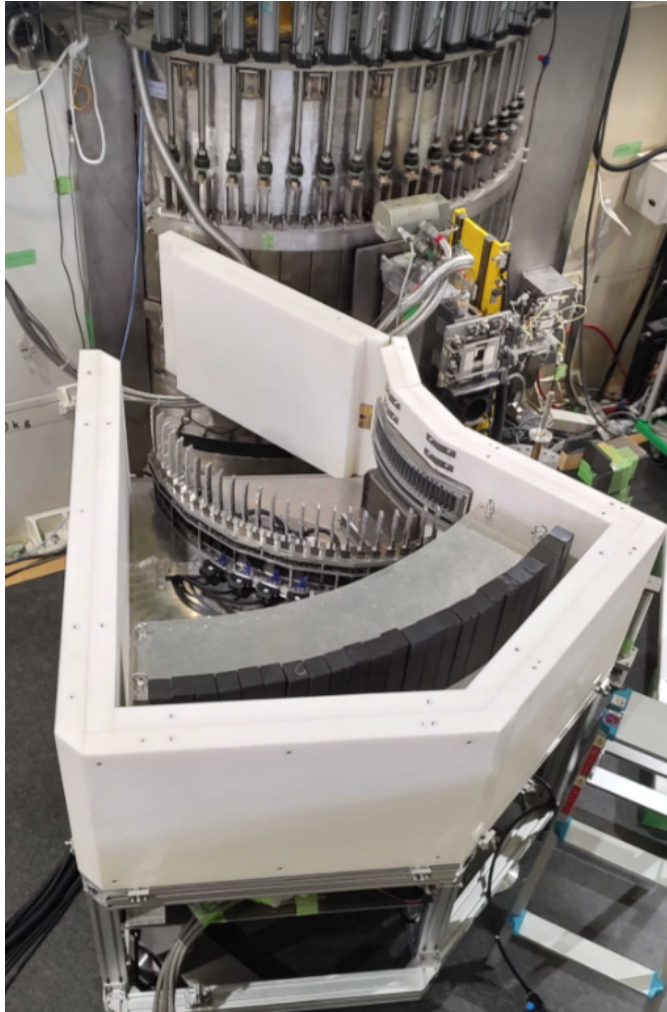


HODACA

Horizontally Defocusing Analyzer Concurrent data Acquisition spectrometer at C11 port

New multiplex spectrometer has just come to JRR3!



Specification

- Energy range

$-1 \text{ meV} < \hbar\omega < 7 \text{ meV}$

- E_f fixed to 3.63 meV

- Resolutions

$0.11 \text{ meV} < \Delta E < 0.21 \text{ meV}$

$\Delta 2\theta \sim 1 \text{ deg.}$

- Measurement efficiency

70 times as high as conventional TAS at C11

- Monochromator

PG002 vertical focusing, 120 mm(H) x 70 mm(V)

- Filter

Automatically switched Be /PG filter

- Analyzer

PG002 vertical focusing, 132 pieces of PG crystals

- Beam size

25mm(H)x40mm(V)

Research topics

Frustrated magnetism, Low-dimensional magnet, Heavy Fermion, Fe-based SC, Acoustic phonon, etc.

Test data on quantum magnet CsFeCl_3

