

JYFL ion source facilities

In the JYFL accelerator laboratory we have three ion sources feeding the K130 cyclotron. Two of them are ECR ion sources (JYFL 6.4 GHz ECRIS and JYFL 14 GHz ECRIS) and the third is a filament-driven multicusp ion source for production of negative hydrogen beam. We are also in progress of building a new normally conducting 18 GHz ECRIS, HIISI.

ECR ion sources:

- [JYFL 6.4 GHz ECRIS](#)
- [JYFL 14 GHz ECRIS](#)
- [18 GHz ECRIS, HIISI](#)

The ion sources are equipped with different type of ovens and MIVOC-chambers to introduce solid materials into the plasma chamber:

- [Equipment for using MIVOC-method.](#)
- [Ovens](#)