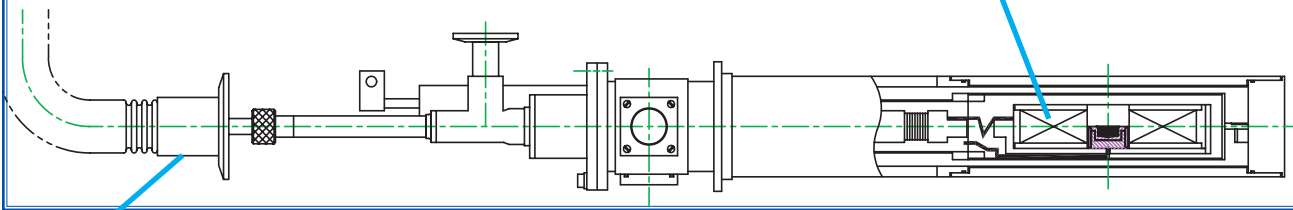


**Add a magnetic field**

HTS (High Temperature Superconductor) Magnet!

LHe flow or cryogen free systems!



LHe flow line

Closed cycle refrigerator

Room Temperature Bore - fits onto existing microscopy cryostat

Typically superconducting magnets are manufactured from niobium titanium or tin. In order to operate, these magnets must be cooled to near liquid helium temperature (~4.2 K). Now, modern high temperature superconductor material with transition temperatures above 77 K (liquid nitrogen) have been used to adapt a small magnet for use with our microscopy cryostats!