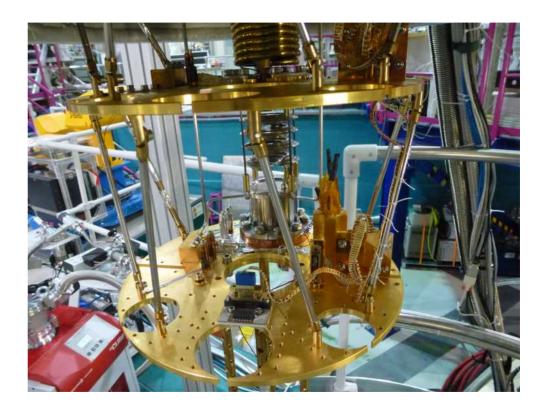
Good and bad experiences when buying cryostats TRISP / NREX

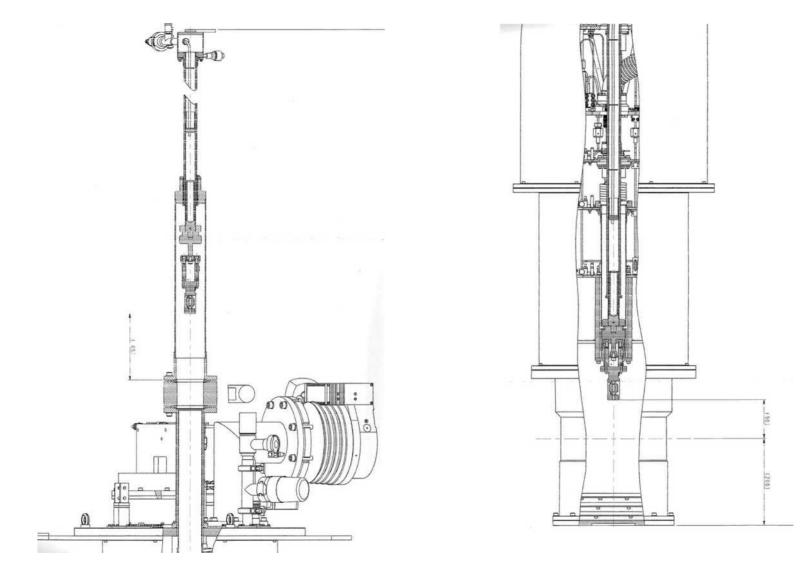
- 1. Dilution cryostat from Oxford Instruments + sample transfer stick cryofree T < 10mK, 200µW @ 100mK
- 2. He-3 cryostat from Entropy (Munich)
 Design by J. Peters, H. Kolb
 base 0.5K, cooling time: 4h



Oxford Instruments Triton-200







cryostat (300 k€):

- delivery
- OI technician spent 1 month at the FRM II
- 10 mK reached (last day of deadline)

sample transfer stick (70k€):

- very bad design, requires liqid He-4
- weak thermal coulping
- very high force needed
- -> never again

Better solution: Bluefors (Helsinki) or Entropy (Munich)



He-3 cryostat (Entropy, M-Sendling)



- design: Peters, Kolb, (Tralmer)
- GM cooler
- T ~ 0.5K
- fast: 4h to 0.5K
- FRM II control system (Enno Faulhaber)
- very good collaboration with Entropy



