

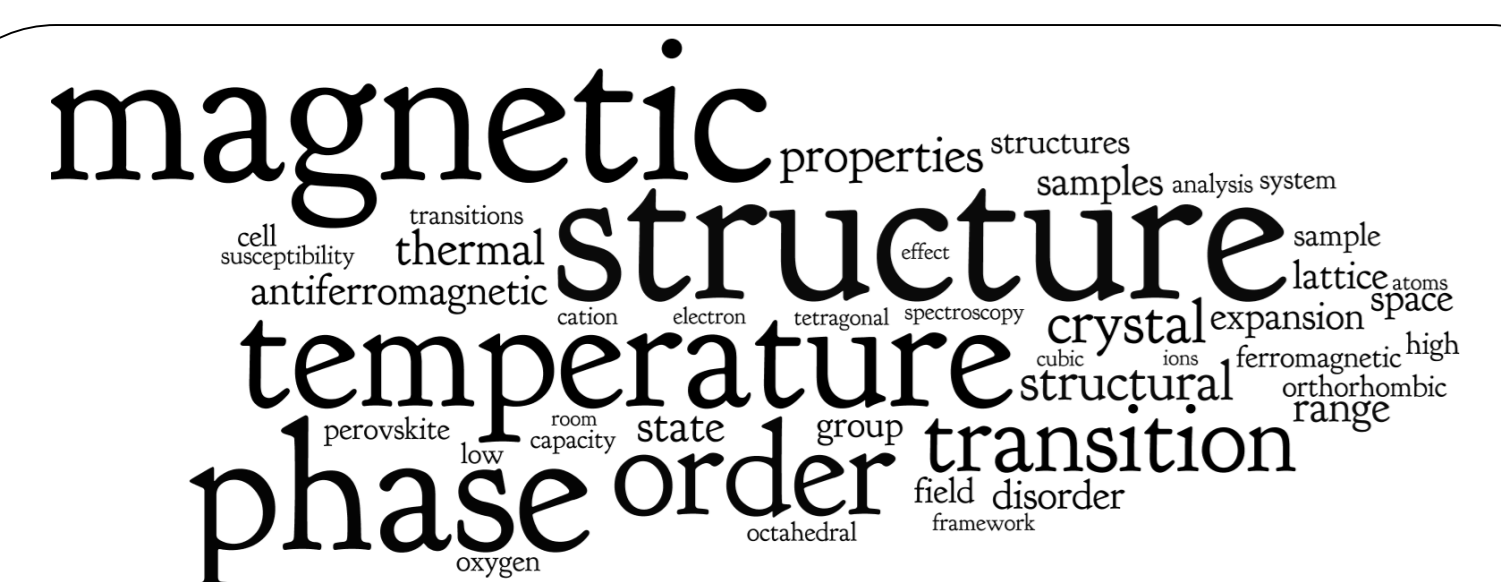
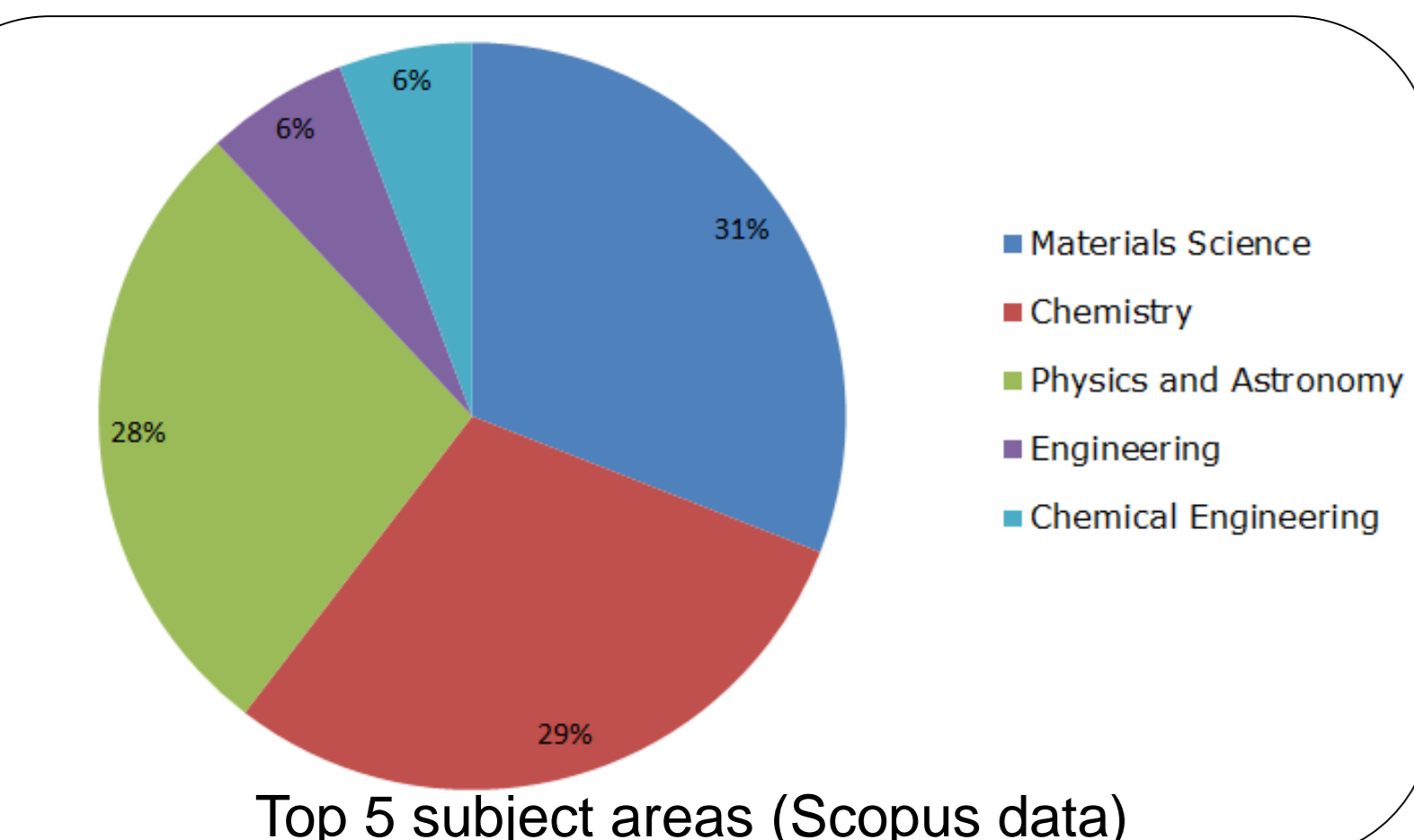
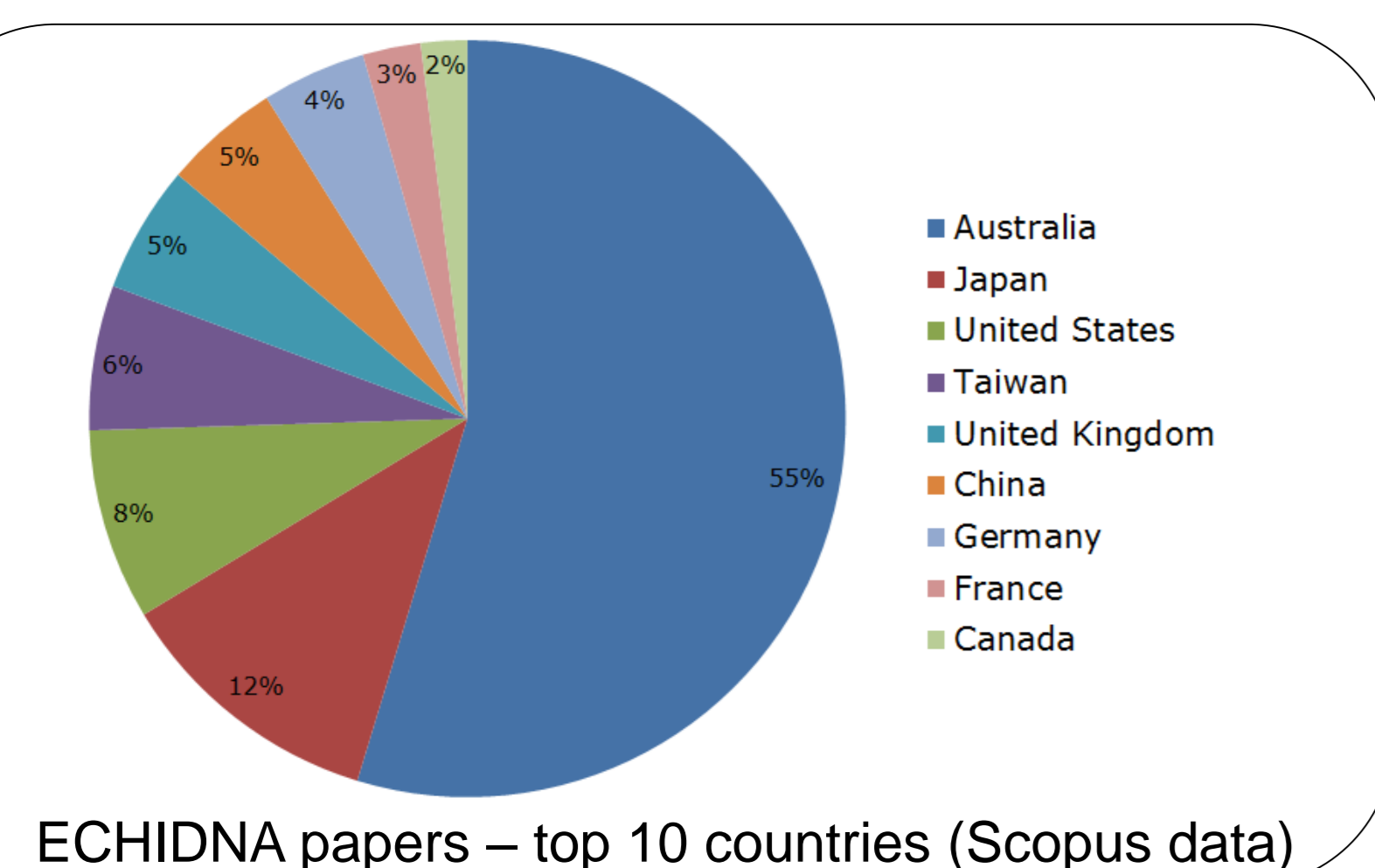
Echidna: status, statistics, and recent highlights

DOI:10.1107/S1600576718014048

Max Avdeev, James Hester, Chin-Wei Wang

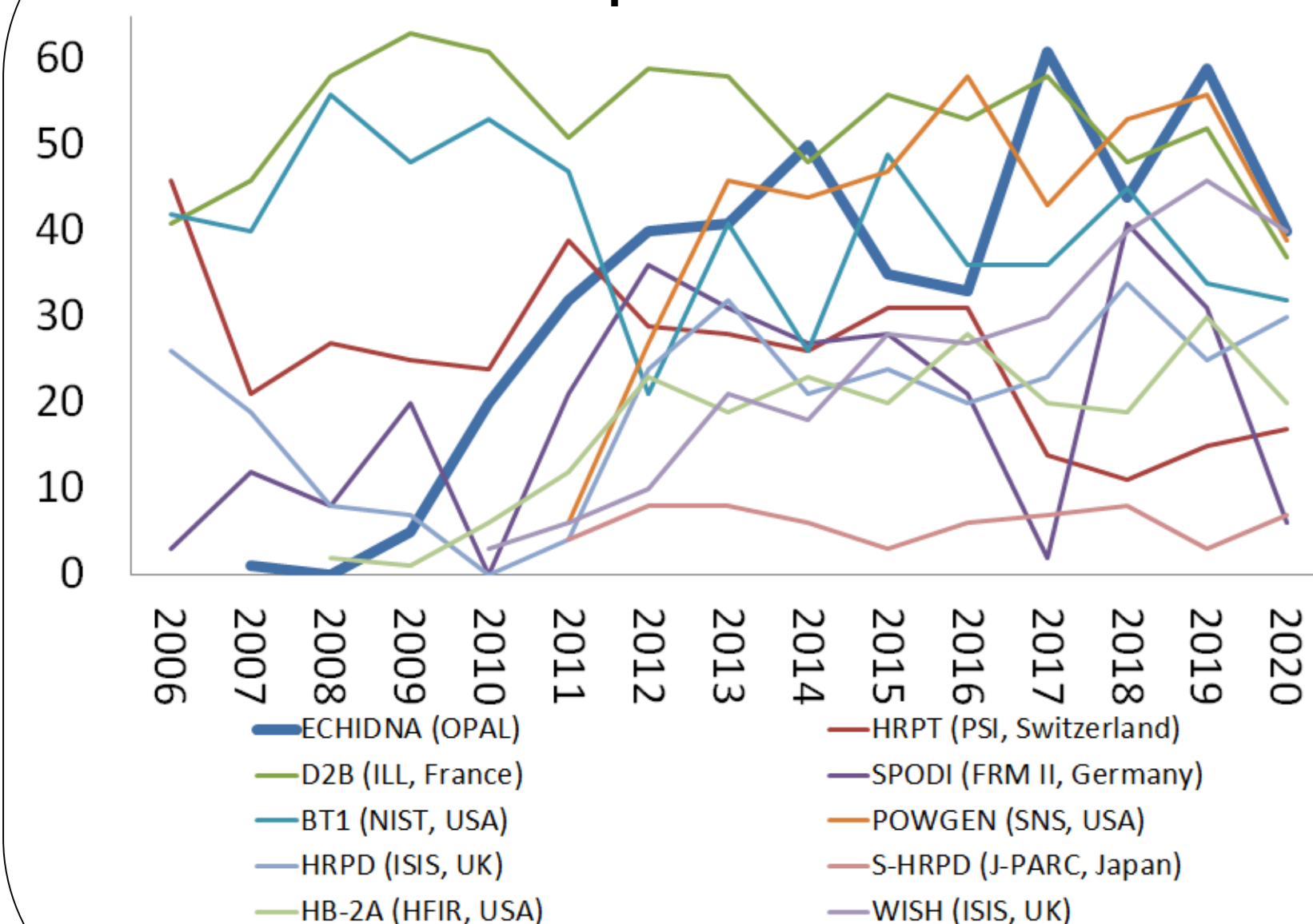
User program

- Proposals submitted – 1220
- Proposals approved/completed – 863 → Long-term success rate = 71%
- Papers published – 462 → Efficiency 54%



World cloud for top 50 words in the abstracts of the ECHIDNA papers (Scopus data)

Journal publications

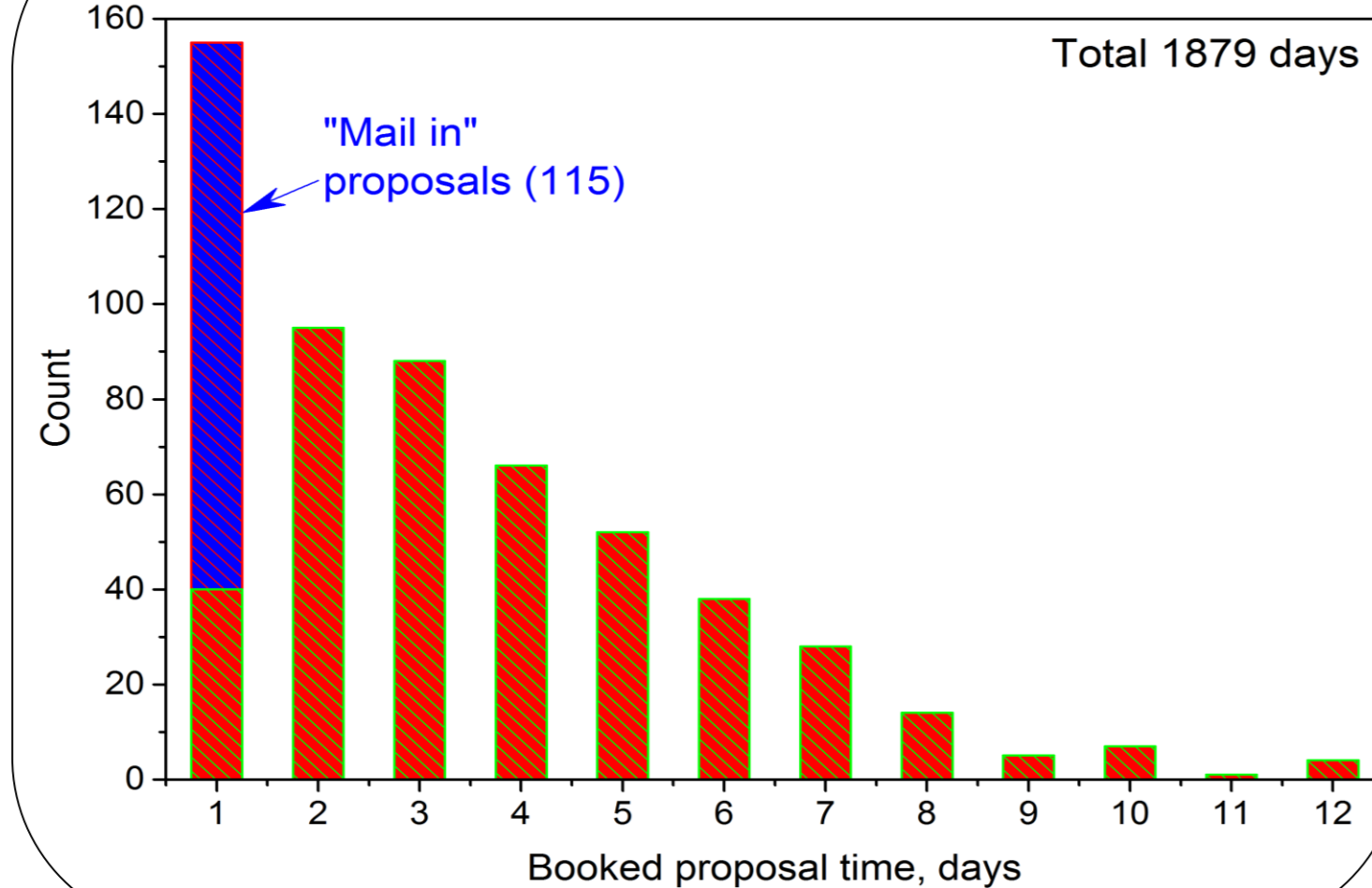


Experiments

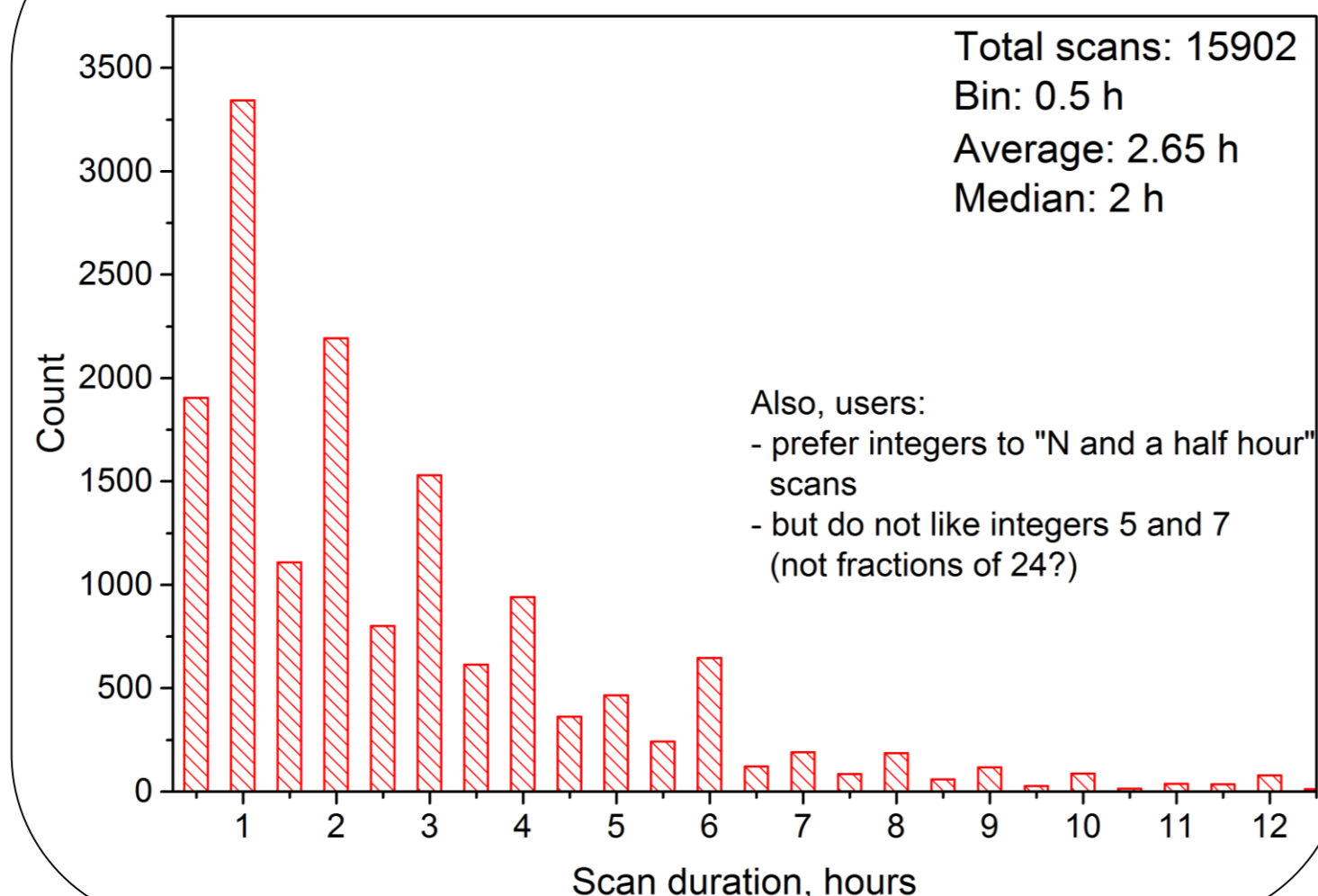
Latest news: new robot RALF



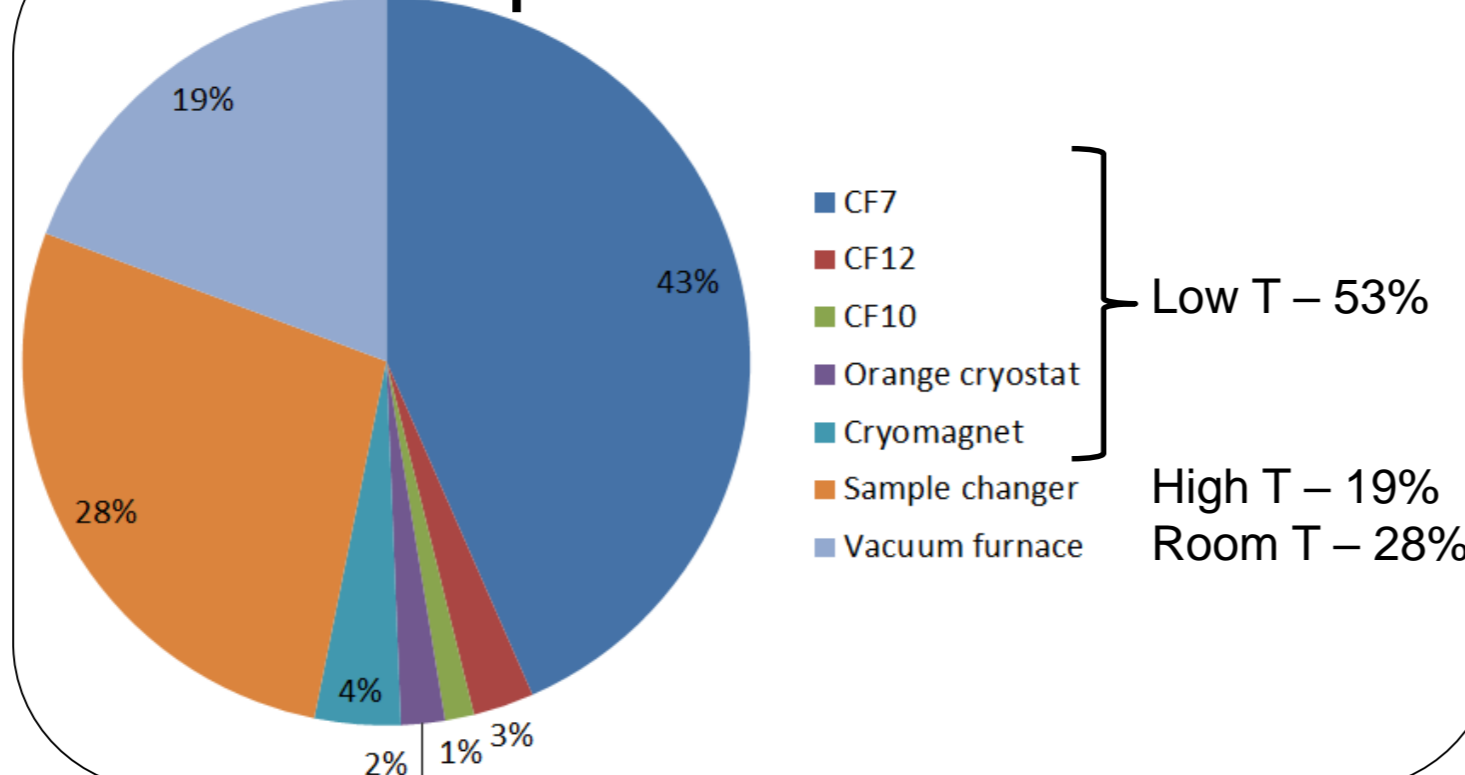
Beamtime statistics



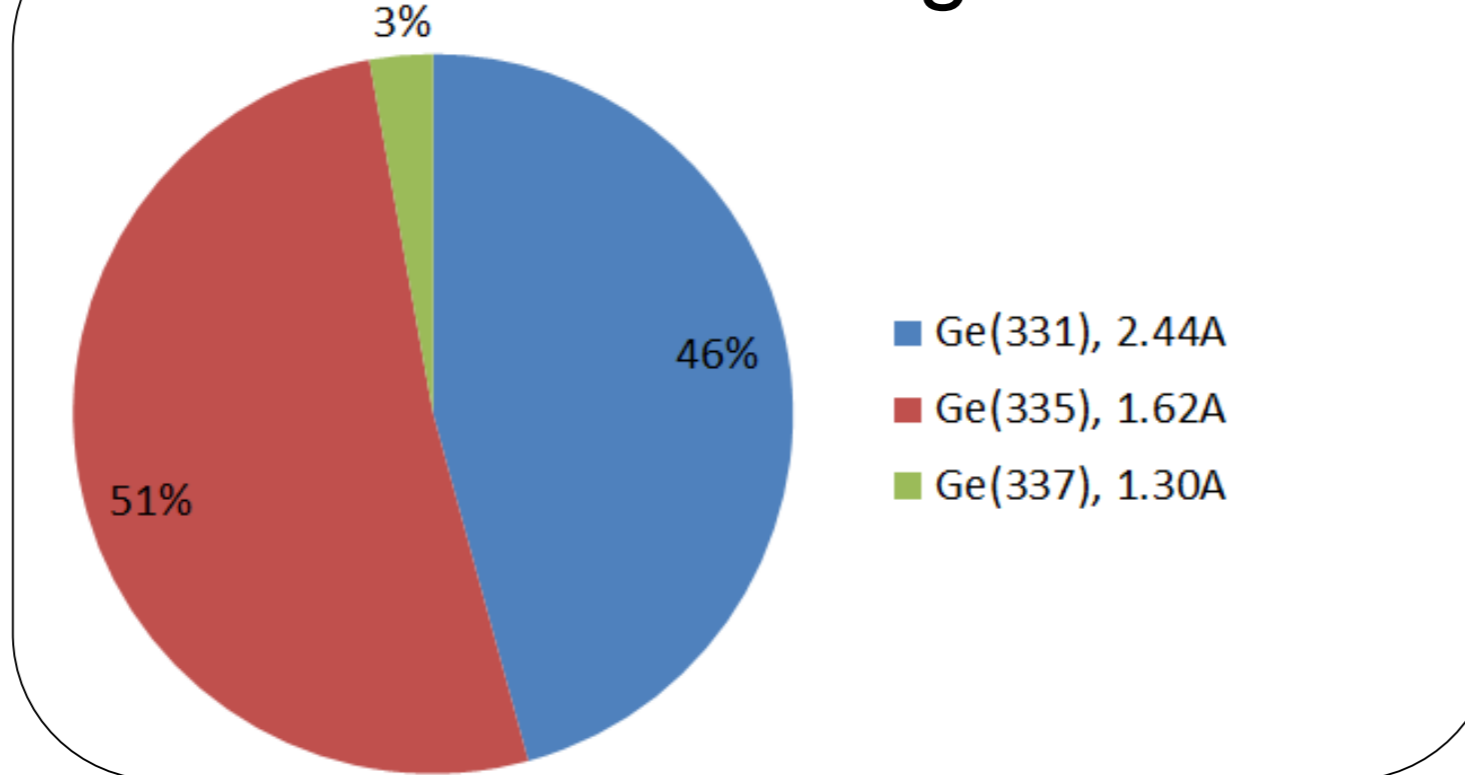
Scan statistics



Sample environment

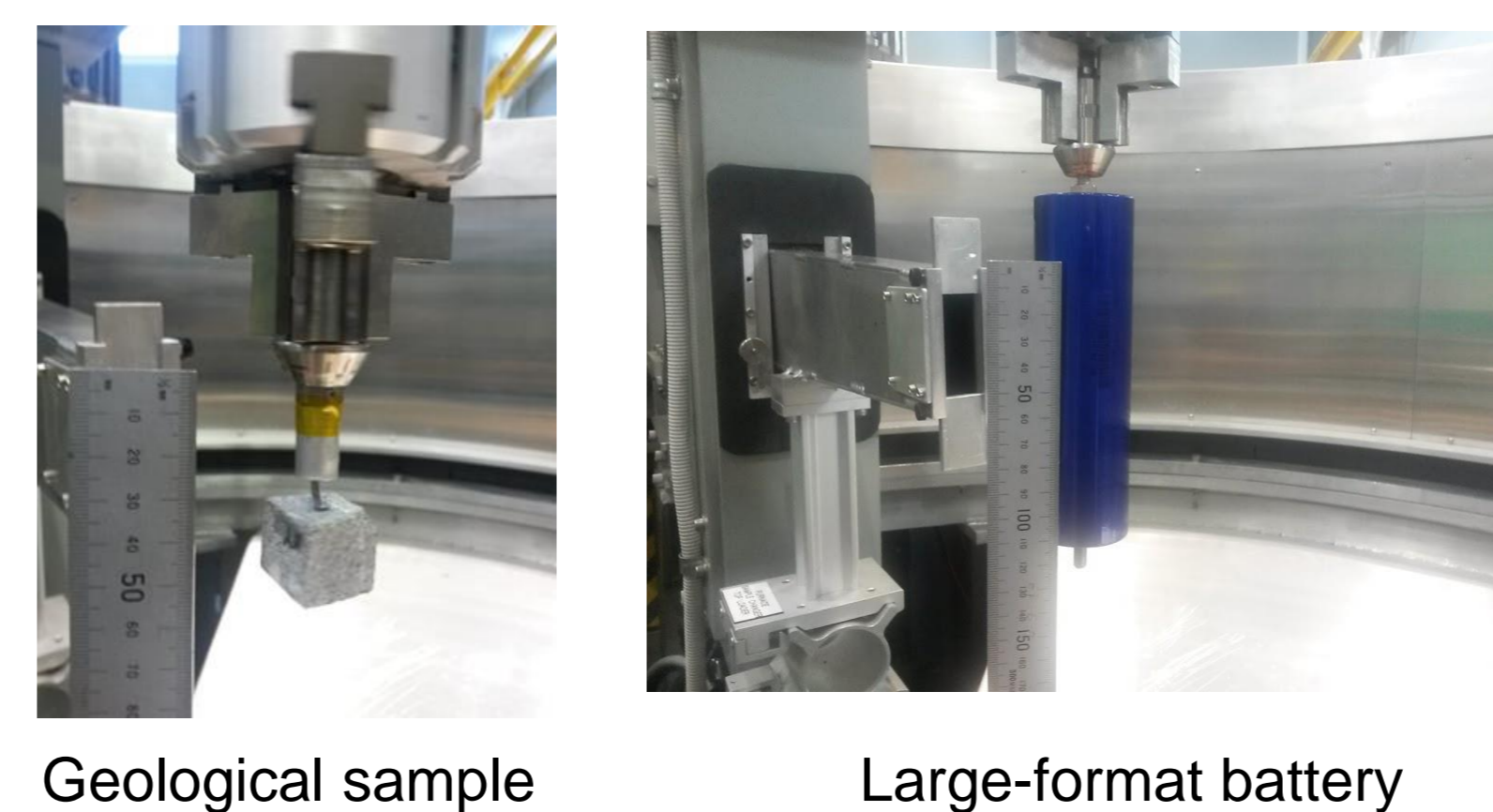


Instrument configuration

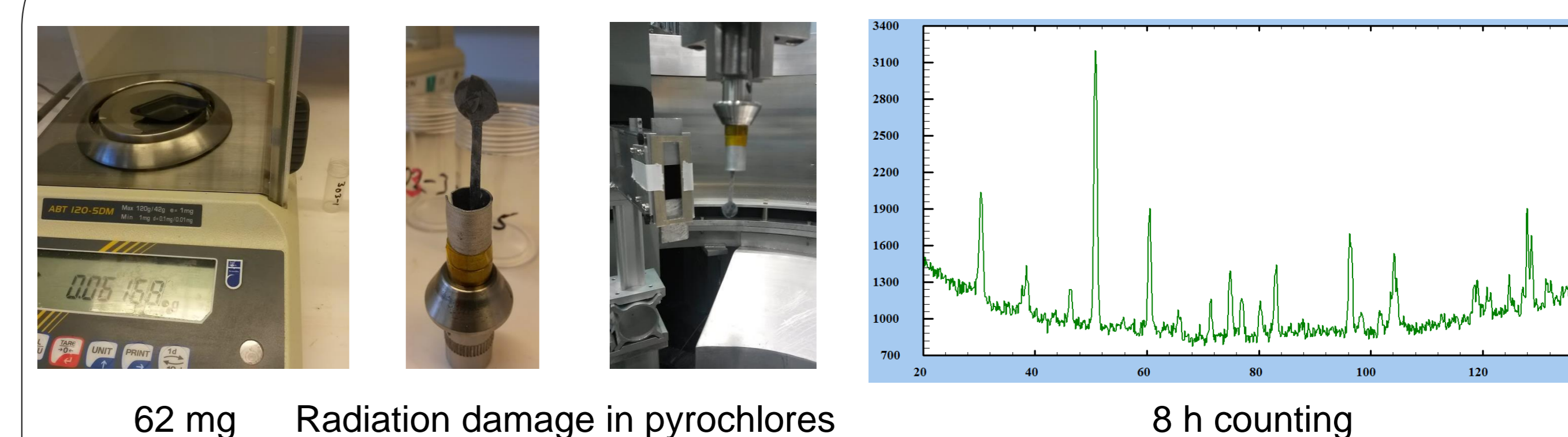


Samples

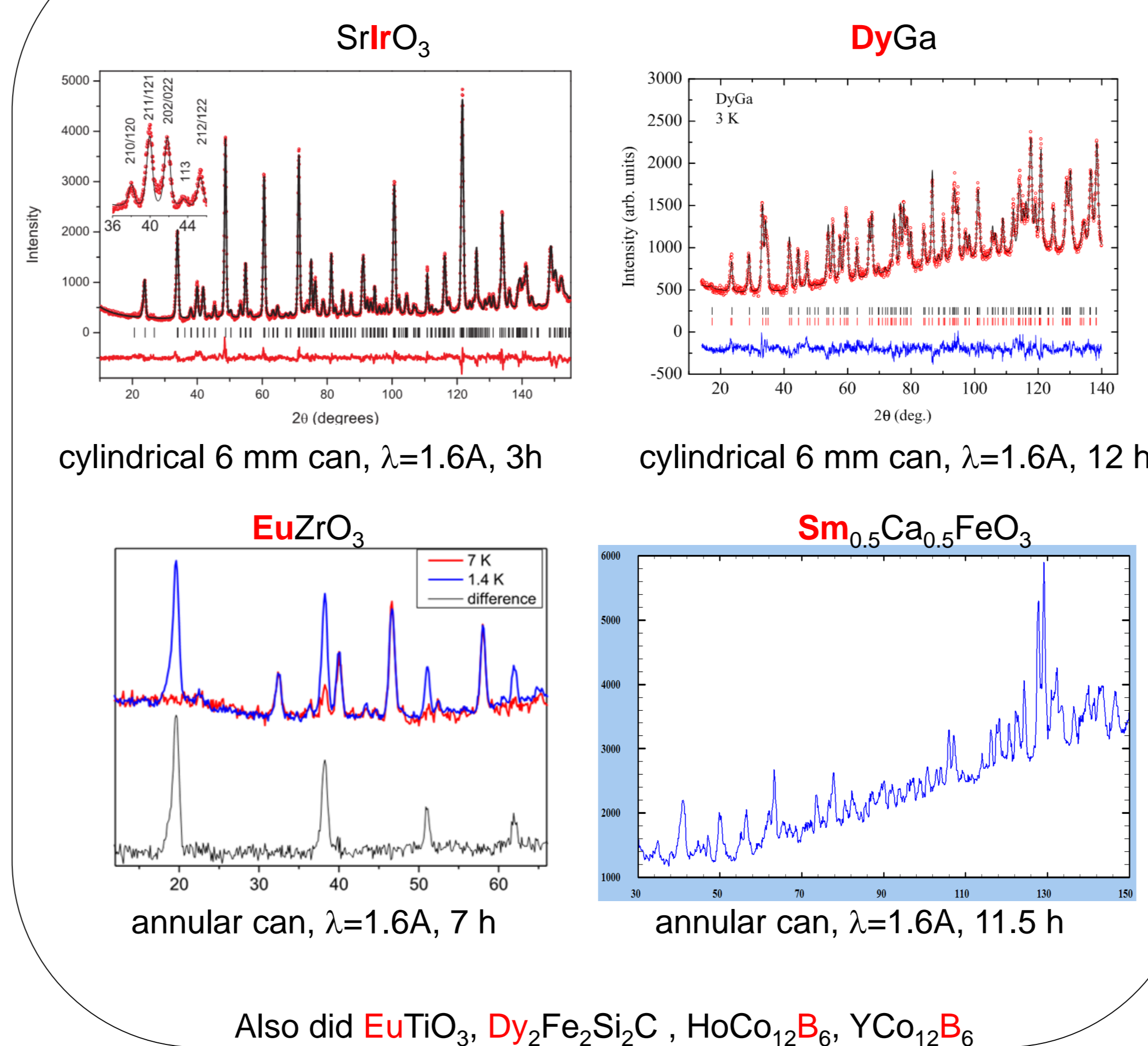
Large samples



Small samples



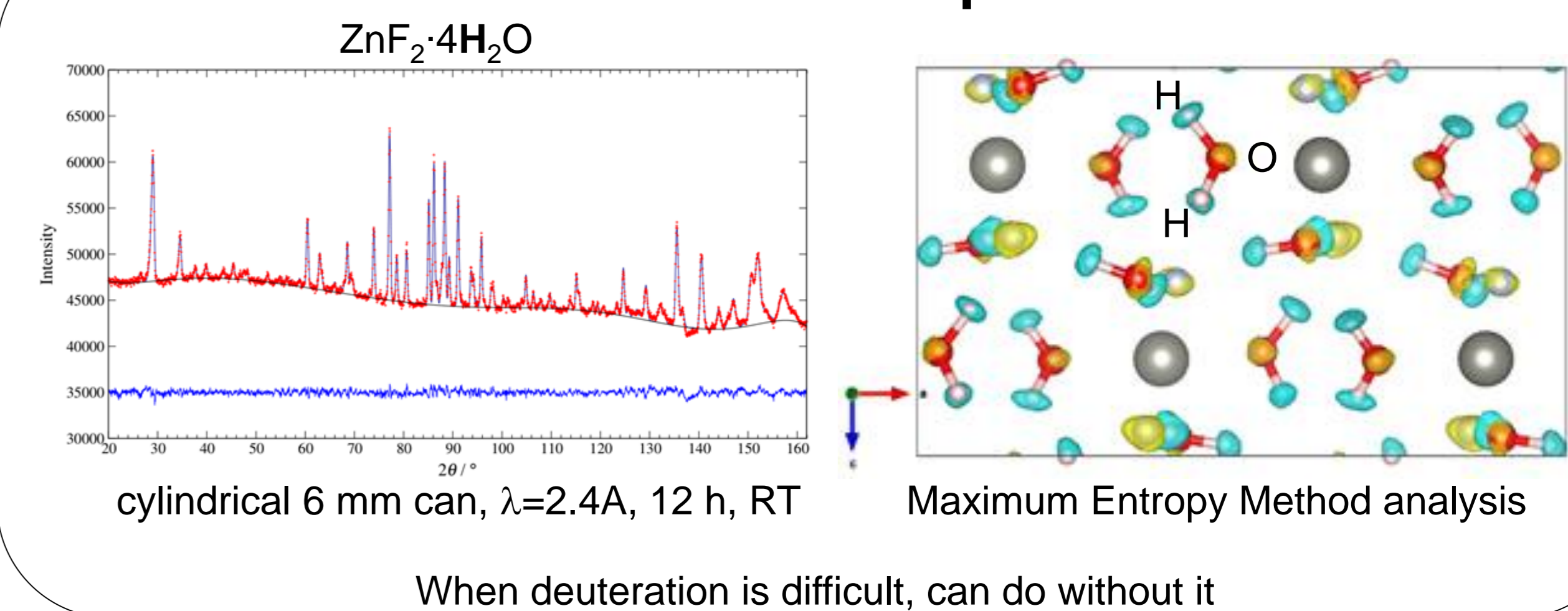
Absorbing samples



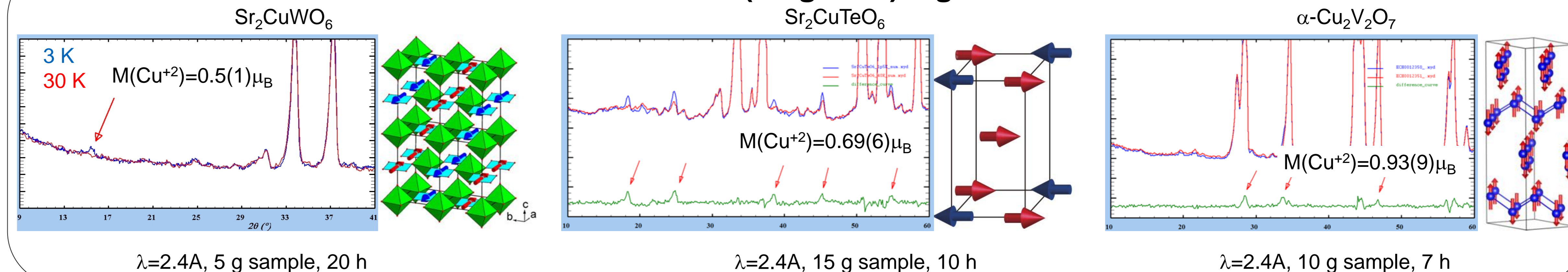
Unfriendly samples



Protonated samples



Weak (magnetic) signal



Radioactive samples

Tc: CaTcO₃, SrTcO₃
 U: SrUO₄, CaUO₄, CoUO₄, MnUO₄, Ca_{1.25}U_{0.75}Ti₂O₇, yellowcake
 Th: BaThO₃