

# Vortices in superconductors

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The new NRS technique was used in 2016 to probe superconductivity of H<sub>2</sub>S [1], using <sup>119</sup>Sn nucleus as a probe of the internal magnetic field. In future, the performance of this probe will be possibly reduced to about a size of 200x200 μm<sup>2</sup>. In this presentation, I will review some results obtained on vortices in type II superconductors, especially with neutron scattering [2], electronic microscopy [3] magneto-optics [4], μSr [5] or Hall probe sensors [6], in order to see if NRS may be useful to access to some properties, which are not easily accessible by other techniques.

## References

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