

Poster Session I

Monday, 31 May 2021 / Posters 1 – 13

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|----|---------------------------------|--|
| 1 | Alexander Backs | Vortex Matter of Intertype Superconductors studied by Neutron Methods and Molecular Dynamics Simulations |
| 2 | Aicha Bouhlala | Ab-initio study of the structural, magnetic and electronic properties of Ce_{0.75}W_{0.25}O₂: spintronic application |
| 3 | Xaver Simon Brems | Current-induced self-organisation of mixed superconducting states |
| 4 | Grace Causer | Grazing Incidence SANS from Helimagnet MnSi Thin Films |
| 5 | Adil Chakir | Structure and dielectric study |
| 6 | Cynthia Paola Contreras Medrano | Low dimensional substructures in hulsite oxyborates |
| 7 | Jonathan Gaudet | Weyl mediated helical magnetism in NdAlSi |
| 8 | Elliot Gilbert | QUOKKA, the Pinhole Monochromatic Small Angle Neutron Scattering (SANS) instrument for Magnetic Studies |
| 9 | Cecilia Granados-Miralles | Rare-Earth-Free Permanent Magnets based on Exchange-Coupled and Decoupled Composites |
| 10 | Maksym Karpets | Investigation of structural and magnetic changes in transformer oil-based ferrofluids induced by electric field |
| 11 | Naëmi Leo | Small-angle neutron scattering for magnetic nanoparticles of nanomagnetic gyroid structures |

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- 12 Artem Malyeyev **Magnetic Guinier Law**
- 13 Elizabeth
Martín Jefremovas **Coexistence of disorder and
antiferromagnetism in NdCu₂ nanoparticles**