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| **Summer Placement Project Proposal** |
| Supervisor(s): Dr Thorsten Hesjedal  Nominees in case of absence: Shilei Zhang  Duration of Placement: up to 12 weeks  Date restrictions: none |
| **Section 1: Project description:**  Project title: Calculation of grazing incidence resonant x-ray scattering  The project is focusing on developing simulation and analysis code for the description of grazing incidence resonant x-ray scattering. The magnetic system to be analyzed is a skyrmion lattice. |
| **Section 2: Special requirements (skills and experience required):**  Required skills: practical experience in programming and/or mathematical simulation code, strong interest in magnetism and crystallography  Desired skills: software tools for micromagnetic modelling |