



**Laboratory for Neutron Scattering and Imaging  
Paul Scherrer Institute**

**Invitation for a LNS Postdoc seminar**

**Date:** Thursday, September 16, 2021, 10:30

**Location:** Paul Scherrer Institute, Area West, Bldg. WHGA/001 or  
via ZOOM: <https://psich.zoom.us/j/64959156737>

**Speaker:** Camilla Buhl Larsen, Laboratory for Neutron Scattering and Imaging (LNS)

**Title:** Magnetism in the rare-earth intermetallics RAgGe

Rare-earth intermetallics of the type RAgGe are known to exhibit a wide range of exotic magnetic behaviour as a result of competition between single-ion anisotropy, exchange interactions frustrated due to a distorted kagome lattice geometry of R-ions, and possible hybridization effects between localised 4f and conduction electrons.

In this talk, I will focus on three intermetallics exemplifying these interactions; HoAgGe, which is affected by strong axial anisotropy and hosts a kagome spin-ice, YbAgGe, which exists at the border of local moment formation, and TmAgGe, which goes through several metamagnetic transitions