

# MaMaSELF

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## **Possibilities at the Swiss Neutron Spallation Source SINQ**

*Tuesday, 21 May 2013 20:45 (45 minutes)*

The Swiss Spallation Neutron Source SINQ [1] is a modern user facility for neutron diffraction, neutron scattering and imaging experiments. It started user service in 1998. Presently, 14 instruments are open for outside users and one is at the end of the commissioning phase, two instruments are reserved for testing new components and crystals quality, one is operated by industry.

Together with the excellent sample environment ranging from high pressure, high field, very low and very high temperatures, computer controlled (low-temperature) sample changer to specialties such as in-situ measurements under hydrogen, and the present flux (4 times higher than in 1998 as a consequence of increased proton flux as well as upgraded target). An upgrade program for the instrumentation as well as the guide system has been initiated to strengthen SINQ's competence in the next decade.

We will present the present status of the facility; plans for the future upgrade program as well as highlights from the user service of the last few years.

[1] B. Blau, K.N. Clausen, S. Gvasaliya, M. Janoschek, S. Janssen, L. Keller, B. Roessli, J. Schefer, Ph. Tregenna-Piggott, W. Wagner, O. Zaharko: The Swiss Spallation Neutron Source SINQ at Paul Scherrer Institut Neutron News 20, 5-8 (2009).

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