

Danish CANS Workshop 2016

at DTU Nutech, Risø, Denmark

3 November 2016

A Compact Accelerator-driven Neutron Source in Denmark?



Danish participation in the construction and operation of ESS has spurred an interest in establishing a low-flux Compact Accelerator-driven Neutron Source (CANS) in Denmark. To investigate the perspectives for such a facility and the interest among the Danish neutron user community we organize the Danish CANS Workshop 2016. The overall aim of the Workshop is to discuss the idea of establishing a national CANS and to examine its potential merits in support of research, education and innovation.

Specifically, the Danish CANS Workshop 2016 aims at evaluating the interest in a CANS in the specific areas of:

- Low-flux neutron scattering
- Pre-experiment sample testing for ESS
- Training and education
- Instrument development
- Industrial applications
- Isotope production and Neutron Activation Analysis

Time and venue

The workshop will be held on November 3, 2016 at DTU Risø Campus, 9 am – 5 pm.

Invited speakers

Kurt Clausen, Paul Scherrer Institute: Neutron sources in Europe

Markus Strobl, European Spallation Source: ESS perspectives and interests in a regional CANS

David Baxter, University of Indiana: Research with neutrons at the Low Energy Neutron Source

Masato Ohnuma, Hokkaido University: Neutron as a daily tool; towards the application to the steel industry

Mikael Jensen, DTU Nutech: Isotope production from CANS

Preliminary program

We plan for a one-day meeting with talks by invited expert speakers in the morning and with discussions on selected topics in the afternoon.

Attendance

The aim of the workshop is to bring together the neutron user community in Denmark, including people with interest in neutron scattering and neutron interactions, neutron detectors, instrument development, neutronics, isotope production, and other applications of neutron facilities.

Registration

Registration in the Danish CANS Workshop 2016 is required but is free of charge. Please register no later than October 14, 2016.

The organizing committee:

Bent Lauritzen, DTU Nutech

Jens-Peter Lynov, DTU Nutech

Mikael Jensen, DTU Nutech

Peter Willendrup, DTU Physics

Kristoffer Almdal, DTU Nanotech