Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Hilfe

WCNR11 - OneDrive | McStas homepage

mcstas.org

McStas

McStas - A neutron ray-trace simulation package

McStas

About McStas
Conditions of use
Authors/Contacts
Project funding

Download
Components
Other Downloads (share)

Mailing list

Search web/mailinglist

Documentation
McStas manual
Known problems
Publications

Workshops/conferences

Developments

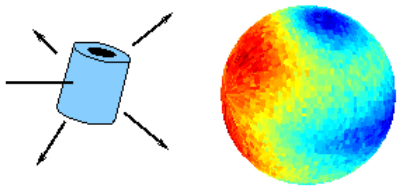
Links <- UPDATED!

Report bugs

Git

McStas - A neutron ray-trace simulation package

McStas is a general tool for simulating neutron scattering instruments and experiments. It is actively supported by DTU Physics, NBI KU, ESS, PSI and ILL.



Simulated scattering from a hollow-cylinder vanadium sample.

The plot shows the intensity of scattered neutrons (red is highest intensity). The sample is at the center of the sphere with the neutron beam coming from the left. Clearly seen is the shadowing effect of the sample causing a lower intensity opposite the beam. Also seen is the effect of the non-symmetric geometry of the sample, causing lower intensity directly above and to the side of the sample.

Recent news

June 16th, 2019: Statistics on the history of McStas releases

Did you ever wonder how the number of included components and instrument files in McStas changed over time? - And did you know that we now include 215 components and 192 example instruments?