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MSca - multiple scattering simulation for backscattering spectrometers

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We have developed a simulation package 'MSca' to provide an analysis tool for multiple scattering effects in backscattering spectrometers such as SPHERES. Multiple scattering has non-trivial wavevector and energy transfer dependency and is thus difficult to tackle by analytical methods only. Also, due to the geometry of backscattering instruments, there are additional multiple scattering channels not present in, for example, time-of-flight instruments. In this talk an introduction to 'MSca', the simulation procedure, and some examples of the effects of multiple scattering will be given.

Primary author: Dr SOININEN, Antti (Forschungszentrum Jülich GmbH JCNS - MLZ)

Presenter: Dr SOININEN, Antti (Forschungszentrum Jülich GmbH JCNS - MLZ)

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