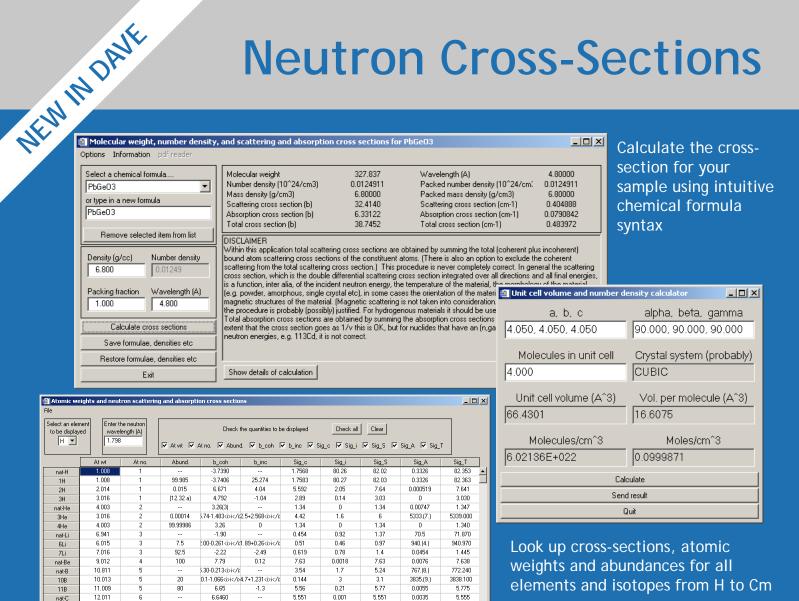
Neutron Cross-Sections



0.00353

5.563

Calculate neutron scattering, absorption, and total macroscopic removal cross-sections for your sample

12.000

- w Simple intuitive chemical formula entry:e.g. CH4, \3He, Fe10(OCD3)20(C2D2O2CI)10
- Adjust sample parameters such as wavelength, packing fraction and number density to see effects on cross-sections
- w Calculate molecular number density using crystallographic information and use results in the cross-section calculation
- Atomic weights and abundances listed in the cross-sections table
- Also available as a standalone application for use with the IDL Virtual Machine

NIST Center for Neutron Research.

Data Analysis and Visualization Environment

For more information about this application, contact John Copley (ext 5133, john.copley@nist.gov)

For more information about the DAVE software and how to download it for your computer, please visit us at www.ncnr.nist.gov/DAVE

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