

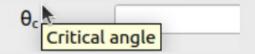
Use formula line to write formula.

Use ^ to designate the element isotope number. E.g. ^2H = D(deuterium)

The chemical composition can be specified using square brackets [] with weights of constituent substances: F1[w1]F2[w2]...Fn[wn] (F1, F2, ..., Fn are formulas). E.g. C2H5OH[31.6]H2O[60]

Enter density and neutron wavelength. Click on the Run button to get the results.

(No account is taken of the wavelength dependence of the scattering lengths of isotopes of **Gd**, **Cd**, **Sm**, **Eu** due to thermal resonances)



Tip: To get quick help, hold the cursor over the value

Quantities in brackets are errors due to errors in the data tabulated (**V.F. Sears, Neutron News, Vol. 3, No. 3, 1992**. Table 1. Neutron scattering lengths and cross sections of the elements and their isotopes.)