





Position HKLË [10-May-2016 15:46:24]
[Q H, Q K, Q L, E] = [1.0, 1.0, 0.0, array([0. , 2.5, 5. , 7.5, 10. , 12.5, 15.])]

Resolution Matrix M in [Q1,Q2,Qz,E] (M/10^4): [[9.0017[]-9.1153[]0.0000[]1.2309] [-9.1153[]11.8231[]0.0000[]-1.4360] [0.0000[]0.0000[]0.0635[]0.0000] [1.2309[]-1.4360[]0.0000[]0.1828]]

 $U = [1 \ 0 \ 0] [rlu] | V = [0 \ 1 \ 0] [rlu]$

Method: Cooper-Nathans

Resolution volume: V_0=0.000025 meV/A^3 Intensity prefactor: R_0=1831.893 Bragg width in [Q_1,Q_2,E] (FWHM): $dQ_1=0.016 \ dQ_2=0.014 \ [A-1] \ dE=0.110 \ [meV] \ dQ_z=0.187 \ Vanadium width V=1.821 \ [meV] Instrument parameters: <math display="block"> DM=3.354 \ ETAM=25.000 \ SM=-1 \ KFIX=2.663 \ FX=2 \ SS=1 \ DA=3.354 \ ETAA=25.000 \ SA=-1 \ A1=-20.59 \ A2=-41.18 \ A3=-115.60 \ A4=30.01 \ A5=-20.59 \ A6=-41.18 \ [deg] Collimation [arcmin]: <math display="block"> Horizontal: [40, 40, 40, 40] Vertical: [120, 120, 120, 120] Sample: a, b, c = [6, 7, 8] [Angs] Alpha, Beta, Gamma=[90, 90, 90] [deg]$