Peak shape used for calculation 60 K as example: 0.012 0.010 Case I : χ^2 = 8.56 Intensity 900.0 10 K 0.0125 30 K Intensity (a.u.) 0.0123 0.004 40 K 60 K 0.002 -0.000 1.0 1.5 ΔE (meV) 1.5 -0.0025 - 45 0.0000 - 40 1.4 ΔE (meV) - 35 Case II : $\chi^2 = 14.49$ 1.3 ratio χ^2 10 K 30 K 0.0125 40 K Intensity (a.u.) 1.2 60 K - 25 1.1 - 20 0.0025 - 15 1.0 -0.0000 ΔE (meV) 0.0 0.5 1.0 2.0 2.5 3.0 1.5 1e-5

 B_{6}^{6}