

FIG. 1: Temperature evolution of integrated intensity measured on (0.5, 0.5, 0.5) and (0, 0, 2) reflections of URhIn₅ single crystal using PANDA spectrometer. The power-law fit of magnetic reflection is presented. T_{fit} represents the fitted temperature range. Dashed line is given as guide to the eye.

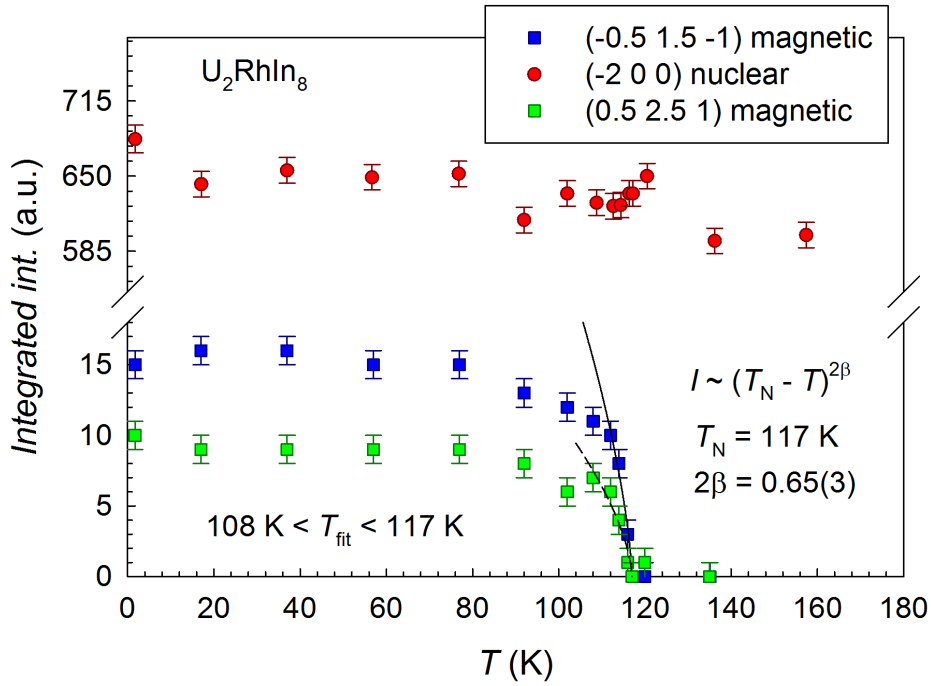


FIG. 2: Temperature evolution of integrated intensity measured on (-0.5, 1.5, -1), (0.5, 2.5, 1.0) and (-2, 0, 0) reflections of U₂RhIn₈ single crystal using D10 spectrometer. The power-law fit of magnetic reflection is presented. T_{fit} represents the fitted temperature range. Dashed line is given as guide to the eye.

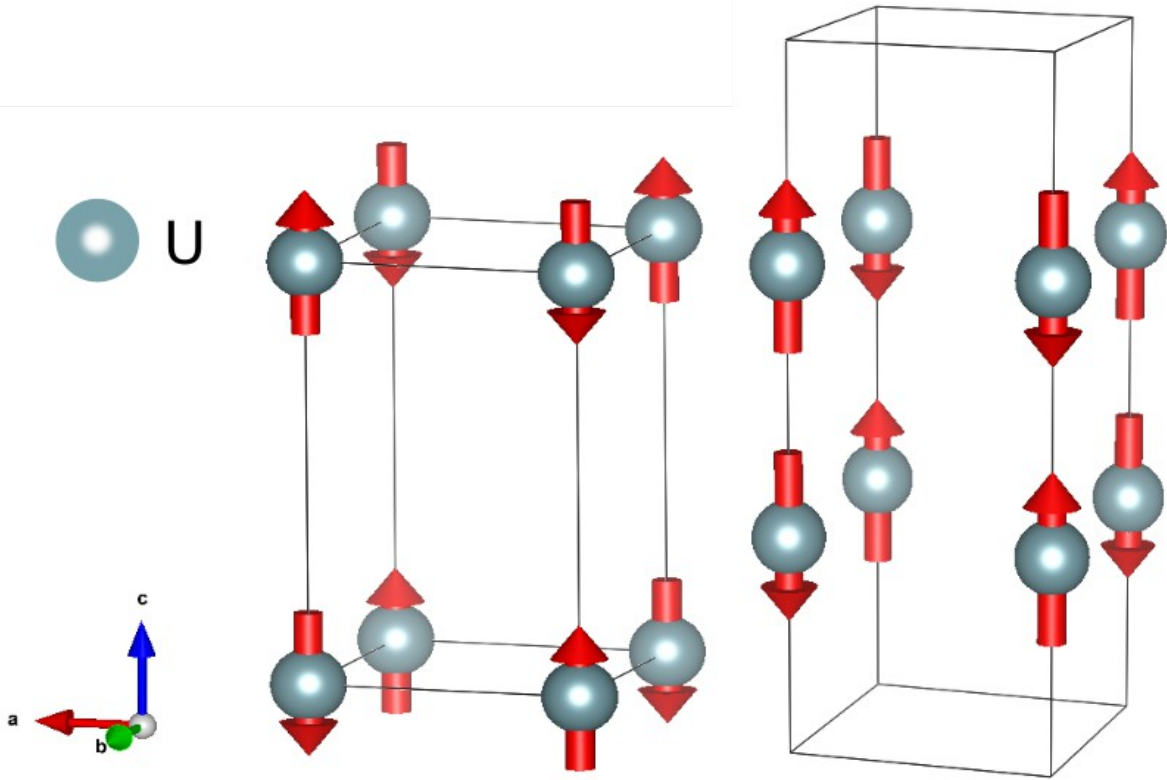


FIG. 3: Magnetic structure of URhIn_5 (left) and U_2RhIn_8 (right) is shown. Only magnetic ions are displayed in the figure with directions of magnetic moments. The origin of the U_2RhIn_8 is shifted by $(0.5, 0.5, 0)$ for better visibility of the magnetic moments within the nuclear unit cell.