Supplementary Information

# Uranyl peroxide nanoclusters at high pressures

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**Figure S1.** Calculated and indexed powder diffraction pattern of Li68K12(OH)20[UO2(O2)(OH)]60(H2O)310 at ambient pressure



**Figure S2.** *In situ* Raman spectroscopy of U60 quenched to ambient pressure from 17.4 GPa