

Supplementary materials

Pressure-Induced Phase Transition in Hydrogen-Bonded Molecular

Crystal Acetamide: Combined Raman Scattering and X-ray

Diffraction Study

Lei Kang,^a Kai Wang,^{*a} Shourui Li,^a Xiaodong Li^b and Bo Zou^{*a}

^{a.} *State Key Laboratory of Superhard Materials, Jilin University, Changchun 130012, China. Email: zoubo@jlu.edu.cn; kaiwang@jlu.edu.cn*

^{b.} *Beijing Synchrotron Radiation Laboratory, Institute of High Energy Physics, Chinese Academy of Sciences, Beijing 100039, China*

Fig. S1. The summarized phases of acetamide at different pressures and room temperature. Phase I is the stable phase at ambient pressure. Phase II and III are the new phases discovered in this experiment. Phase IV is the metastable phase at ambient pressure. Phase V is the phase discovered in the high-pressure crystallization experiment.

