

Supplementary Material

Crystal Polymorphs and Multiple Pathways of Highly Pressurized 1-Ethyl-3-methylimidazolium Nitrate

Hiroshi Abe,^{A,D} Takahiro Takekiyo,^B Yukihiro Yoshimura,^B Nozomu Hamaya,^C and Shinichiro Ozawa^A

^ADepartment of Materials Science and Engineering, National Defense Academy, Yokosuka 239-8686, Japan.

^BDepartment of Applied Chemistry, National Defense Academy, Yokosuka 239-8686, Japan.

^CGraduate School of Humanities and Sciences, Ochanomizu University, Tokyo 112-8610, Japan

^DCorresponding author. Email: ab@nda.ac.jp

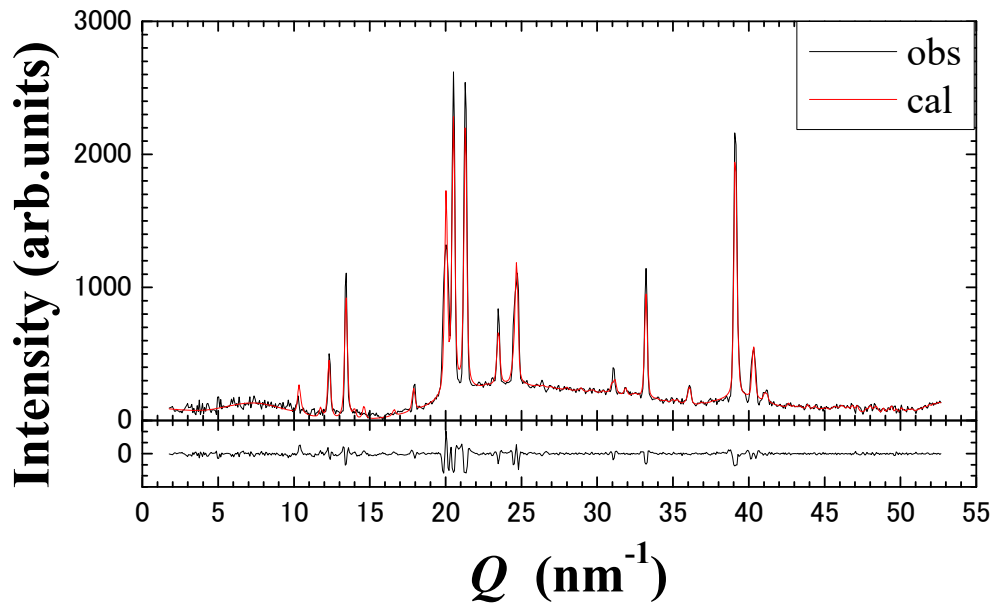


Fig. S1. X-ray diffraction pattern at 2.1 GPa upon compression process (HP- β phase). Red and black curves reveal the calculated and observed X-ray diffraction patterns, respectively.

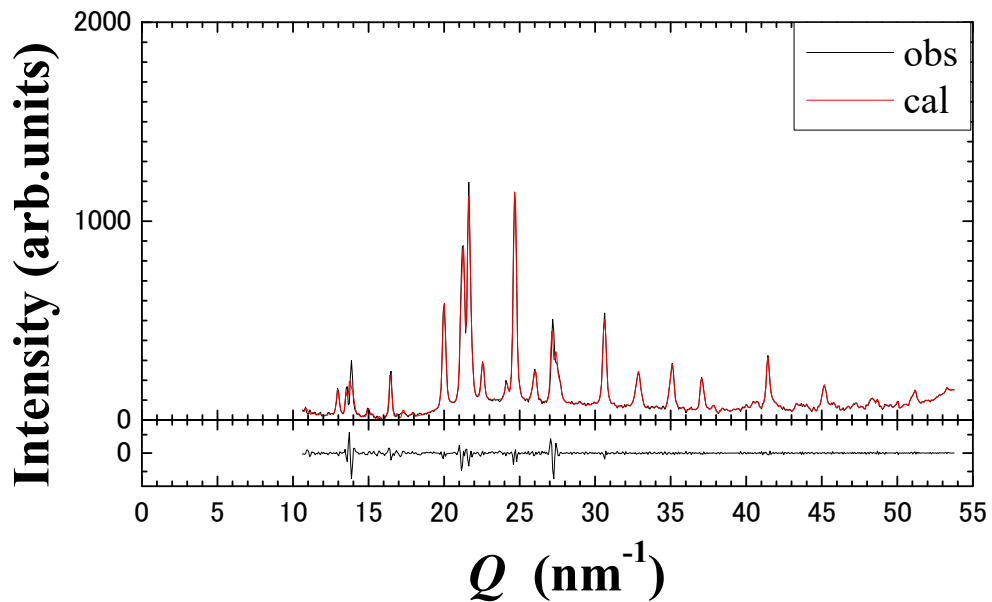


Fig. S2. X-ray diffraction pattern at 5.5 GPa upon compression process (HP- γ phase). Red and black curves reveal the calculated and observed X-ray diffraction patterns, respectively.