

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: DFT-optimised crystal structure of NH₄F-III at 20 GPa

File name: Supplementary Data 2

Description: DFT-optimised crystal structure of NH₄F-III_t at 80 GPa

File name: Supplementary Data 3

Description: DFT-optimised crystal structure of NH₄F-VIII at 120 GPa

File name: Supplementary Data 4

Description: Crystal structure information of the saddle point along the NEB transition path from phase III to phase VIII at 50 GPa

File name: Supplementary Data 5

Description: Crystal structure information of the saddle point along the NEB transition path from phase III to phase VIII at 100 GPa

File name: Supplementary Data 6

Description: Crystal structure information of the saddle point along the NEB transition path from phase III to phase VIII at 150 GPa