Supporting Information

Confined Monolayer Ice Between CaF2 (111) and Graphene: Structure and Stability

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S1 Free standing structures of four ice phases

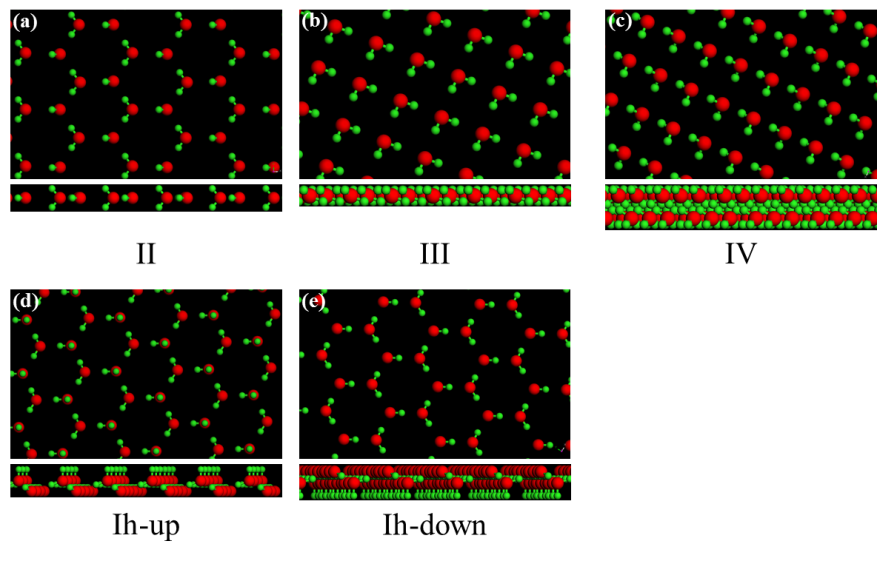


Figure S1 Free standing structures of four ice phases including ice II (a), III (b), IV (c) and Ih (d)-(e). In all figures, the red and green spheres represent the O and H atoms, respectively.

S2 Structures of two amorphous water structures confined between CaF2 (111) and graphene

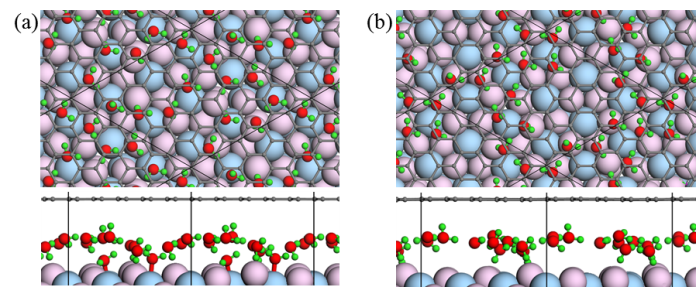


Figure S2 Structures of two amorphous water structures including Amor-1 (a) and Amor-2 (b) confined between CaF2 (111) and graphene. In all figures, the black, red, green, flesh pink and light blue spheres represent the C, O, H, F and Ca atoms, respectively.