

Supplementary Materials

Field-induced single-ion magnet phenomenon in hexabromo- and hexaiodorhenate(IV) complexes

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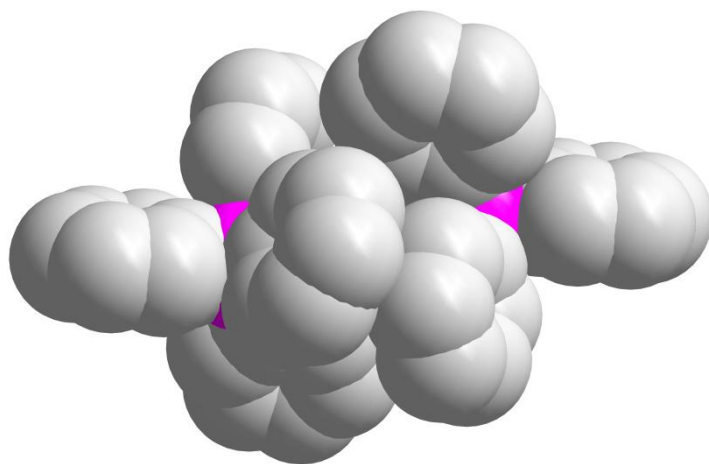


Figure S1. Sextuple phenyl embrace (SPE) supramolecular conformation of the PPh₄⁺ cations (space-filling model) in **1**. H atoms have been omitted for clarity. Color code: P, pink; grey, C. [Symmetry code: (b) = -x, -y+2, -z].

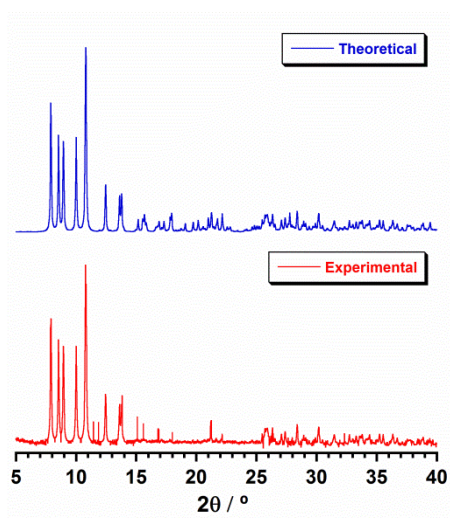
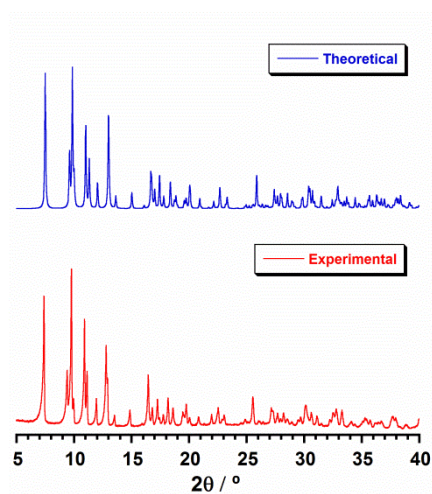


Figure S2. Plots of the theoretical and experimental XRD patterns profile ($2\theta/^\circ$) in the range 5-40° for compounds **1** (top) and **2** (bottom).