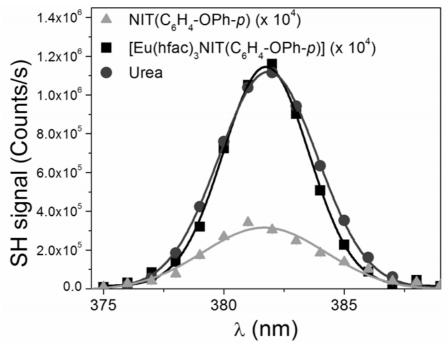
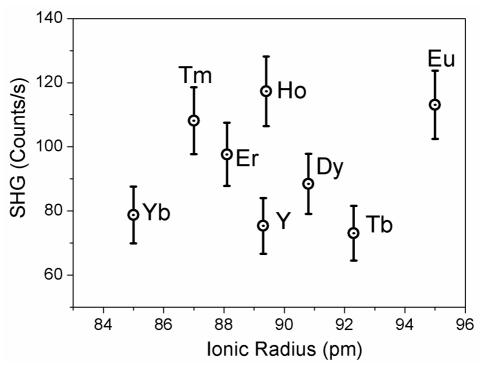
Supplementary Material to:

Evidences of intermolecular π -Stacking Enhancement of Second-Harmonic Generation in a Family of Single Chain Magnets

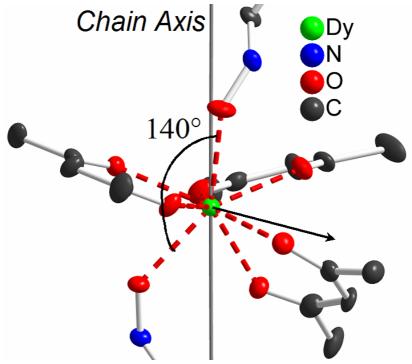
Lapo Bogani,*** Lucia Cavigli,** Kevin Bernot,** Roberta Sessoli,** Massimo Gurioli,* and Dante Gatteschi



Supplementary Information 1 Spectral dispersion of the Fundamental and SHG beams



Supplementary Information 2 SHG Intensity as a function of the ionic radius of the rare-earths.



 $\textbf{Supplementary Information 3} \ \ \textbf{Coordination geometry around the rare-earth metal centre}. \ \ \textbf{The Radical oxygen-Metal-Radical oxygen angle is reported}.$ The black arrow represents the direction of an hypotetical *cis* coordination of the radicals.