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Kondo-like Resonances in the high spin MnPc. Atomic and Molecular Theoretical Approach MARIA SORIANO, Autonomous University of Madrid. Madrid. Spain, DAVID JACOB, Max Planck Institute of Microstructure Physics. Halle (Saale). Germany, JUAN JOSE PALACIOS, Autonomous University of Madrid. Madrid. Spain — In recent years, Kondo−like resonances have been measured by different experimental groups in the 3\2 high spin Manganese Phthalocyanine (MnPc) on different kinds of surfaces [1,3]. With the aim to understand these resonances we have performed Dynamical Mean Field Theory calculations based on models extracted from Density Functional Theory calculations and Green's function formalism [4,5]. Two types of models are considered: one based on atomic d orbitals and one based on frontier molecular orbitals which contain the spin of the molecule.

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