CoE EQUITANT Seminar
Tuesday, 28.02.2017 at 11.00

The algebraic approach to endohedral molecules
Duration 30 min

Prof. Lorenzo Fortunato
University of Padova, Italy

The U(3)xU(4) algebraic theory for diatomic molecules in fullerene will be presented. The main features of the symmetry-based approach will be discussed and the recent results obtained with a model hamiltonian containing quadrupole-quadrupole couplings will be illustrated by comparing with measured spectral lines of H2@C60.

Extensions of the model that allow for calculation of intensities will be presented and new ideas/proposals will be discussed.

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