

Condensed Matter Theory group Tor Vergata

Tue, 2016-06-07 08:12 - [Olivia Pulci](#) [1] **Website:**
<https://www.fisica.uniroma2.it/~cmtheo-group/> [2]

Research Type: Theory

Our research activities combine developments of fundamental theory of the solid state with practical simulations of advanced materials and nanostructures.

- Ground state properties of complex systems
- excited state properties of complex systems
- Optical properties of matter and excitonic effects
- electron spectroscopy
- many body theory
- out of equilibrium Green functions
- quantum transport
- Density Functional Theory (DFT); Time Dependent DFT; GW, Bethe Salpeter Equation

Leader: Olivia Pulci

Location

Dept. of Physics University of Rome Tor Vergata Via della Ricerca Scientifica 1
Rome I-00133 Italy
Phone: 0039-0672594548

- [Quantum Simulation](#) [3]

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Links:

[1] <http://qurope.eu/users/oliviapulci>

[2] <https://www.fisica.uniroma2.it/~cmtheo-group/>

[3] <http://qurope.eu/category/virtual-institute/quantum-simulation>