

Science Colloquia

Sala Conferenze, DFA
12/03/2024 h 14:45



When the coupling between the confined electromagnetic field and the electronic degrees of freedom of a solid-state system becomes comparable to other energy scales, we can access novel non-perturbative phenomenology. Light-matter interaction can then modify the electronic and photonic wavefunctions and the related material properties. Solid-state cavity quantum electrodynamics can thus become a tool for quantum material engineering, allowing us to drastically enrich the catalogue of materials available for scientific and technological applications.

I Science Colloquia del DFA "Ettore Majorana", sono appuntamenti con la scienza dedicati a Ricercatrici e Ricercatori, Studentesse e Studenti (della Laurea Magistrale in Physics, del terzo anno della Laurea Triennale in Fisica, e dei Dottorati al DFA) interessati a condividere argomenti ed esperienze di ricerca. I Science Colloquia, coordinati dai Proff. Giuseppe Falci e Livio Lamia, si tengono con cadenza mensile.

Weaving light into quantum materials

Simone De Liberato
Southampton, UK
& CNR-INF, Italy



FISICA E ASTRONOMIA
"ETTORE MAJORANA"

