

Science Colloquia

Sala Conferenze, DFA
07/05/2024 h 14:45

The demand for large area, low cost and flexible high-energy radiation detection systems for medical imaging and public security, has pushed the research to develop novel detectors combining high sensitivity materials and low-cost fabrication processes. Organic/hybrid semiconducting thin films can be employed as direct ionizing radiation detectors, allowing to exploit their unique functionalities, e.g. printability over large area from solution, onto flexible substrates and tunability of performance and response by appropriate material nano-structuring.



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.

Organic and hybrid semiconducting thin films for printed, flexible ionizing radiation detectors

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