



*Dr. Francesca Cova*

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Francesca Cova is assistant professor at the Department of Materials Science of the University of Milano – Bicocca (Italy). She graduated in Physics in 2016 and earned her PhD in Materials Science and Nanotechnology in 2020, with a thesis on scintillating optical fibers. She is currently working on the development of the future generation of ionizing radiation detectors. Her research interests focus on new, fast, and radiation hard scintillating materials, with special attention to emerging technologies such as nanostructures and nanocomposites, including quantum dots, perovskites nanocrystals, semiconductor nanoplatelets and metal organic frameworks. Besides, the focus of her research is on the presence of defect-related phenomena, deeply investigated by means of thermally stimulated luminescence spectroscopy, to unveil their role in the scintillation process and their influence on the performance of scintillating materials, in order to guide the optimization of scintillating devices.