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Graduated in Materials Engineering at the University of Trento with the following PhD in Materials, Mechatronics and Systems Engineering in 2017. Since my master thesis I have been working on thin film deposition using magnetron and reactive magnetron sputtering techniques for different applications: optical, mechanical and more recently in the synthesis and characterization using IBA techniques of targets for nuclear physics experiments, with ultra pure and also isotopically enriched materials. In 2021 and 2022 I was national responsible for an INFN experiment within the grant for young researcher INFN programme, concerning the production and characterization of targets for nuclear astrophysics for the LUNA collaboration and the realization of a scattering chamber for IBA measurements. I am currently involved in the NQSTI in the PNRR framework concerning quantum technologies.