

X-ray detectors for exotic atoms and other types of applications

Sunday, 10 October 2021 09:40 (20 minutes)

I shall discuss various X ray detector systems used in exotic atoms experiments, starting with the Silicon Drift Detectors used in kaonic atoms measurements at Frascati within the SIDDHARTA-2 experiment. I shall then present the VOXES system, based on HAPG crystals, able to perform extreme precision X ray measurements. The VOXES system can be used both for fundamental science and for societal applications; in this context I shall present some of this ongoing applications at LNF-INFN.

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