

Shaping the Italian contribution to HWO



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High Dynamic Range Photon-Counting UV Detectors

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We present the development and expected performance of an innovative photon-counting detector for far-ultraviolet, designed to overcome the dynamic range and lifetime limitations of traditional Microchannel Plate (MCP) based systems. The detector pairs new-generation MCPs, with ALD passivation, with custom readout electronics designed to maximize their potential.

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