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PICO dark matter detectors: activities and results

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In this talk, the technique of using bubble nucleation in superheated liquid detectors for dark matter searches is addressed. This technique can be very competitive, especially for the case of spin dependent interaction. The activities and results of PICO bubble chambers will be described. For instance, the best spin dependent WIMPproton cross-section limits have been obtained with the PICO-2L and PICO-60 detectors using C3F8 and C3FI targets, respectively.

Primary author(s) : ARDID, Miguel (Universitat Politècnica de València)**Co-author(s) :** FELIS, Ivan (Univ Politècnica València)**Presenter(s) :** FELIS, Ivan (Univ Politècnica València)**Clasificación de la sesión :** Astro-Neutrino 4**Clasificación de temáticas :** Astro/Cosmo/Neutrinos