

## Measuring the Bubble Nucleation Efficiency of PICO Bubble Chambers

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The PICO collaboration uses refrigerant filled bubble chambers to directly search for dark matter. Our sensitivity to detect dark matter depends on the energy threshold and efficiency for heavy ions to create bubbles in our detector. I will present results from our ongoing calibrations of two target fluids we use:  $C_3F_8$  and  $CF_3I$ . We have found large differences in the bubble nucleation efficiency of nuclear recoils between these fluids and for different recoil species within the same fluid. I will present our results, ongoing work to complete the calibrations, and our present theoretical understanding of bubble nucleation.