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## Study of the signal response of low energy nuclear recoil in PandaX xenon detector

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Recently, dual-phase xenon detectors have observed indication of solar boron-8 neutrino CEvNS signals, which demonstrates a promising sensitivity of light mass dark matter detection through xenon. One key issue for is to have a precise measurement of the signal response of low energy nuclear recoil in xenon. In this talk, I will discuss the nuclear recoil signal model parameter determination with PandaX-4T neutron calibration data, especially for nuclear recoil energy less than 20 keV.

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