Search for WIMPs dark matter by means of thin NaI(Tl) scintillator

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1. 100% of natural abundance of odd \( A \) nuclei (\(^{23}\)Na and \(^{127}\)I).
2. \(^{127}\)I has a low energy excited state at 57.6keV which is excited by spin-dependent interaction.

The prototype detector of thin NaI(Tl) was tested. The energy resolution and the low energy threshold will be reported. The future prospect of WIMPs dark matter search by various detector will be discussed.

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