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Searches of small mass WIMPs at PandaX experiment

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Limited with the detection threshold, traditional dark matter searches are not sensitive to small mass WIMPs. To reduce the threshold, events with ionized electron signal only (S2-only) are selected. This talk will report the latest progress of S2-only search with PandaX-4T commissioning data. Another strategy is to search for cosmic ray boosted small mass WIMPs. Search result based on the newly proposed diurnal sidereal modulation signature will be also reported.

In-person participation

No

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