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NEWAGE direction-sensitive direct dark matter search (20' + 5')

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NEWAGE is a direction-sensitive direct dark matter search experiment. NEWAGE uses a micro-TPC with a detection volume of 30 by 30 by 30 cm³ read by one of the MPGD variations, μ -PIC. We have been performing underground measurement since 2013 with a new detector NEWAGE-0.3b'. We published the best direction-sensitive limits in PTEP (2015) 043F01s with 30 days' live time data. We continued the measurement and the results from half-a-year data will be presented.

In order to improve the sensitivities, we are developing a low-radioactive μ -PIC and a negative-ion TPC. These recent activities to improve the sensitivity will also be reported.

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