

9th edition of the international CYGNUS Workshop on Directional Recoil Detection



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NEWAGE

Monday, 23 February 2026 11:00 (30 minutes)

NEWAGE is a world leading direct dark matter search experiment with directional analysis. The experiment has been conducted in the Kamioka underground observatory. We use a $30 \times 30 \times 41 \text{ cm}^3$ scale gaseous Time Projection Chamber (TPC) with micro-Pixel Chamber (μ -PIC) which have two-dimensional strip-type readout electrodes with a pitch of $400 \mu\text{m}$. In order to improve the sensitivity, BG rejection campaign has currently been taken place. We will present the status of the NEWAGE experiment, especially about the BG study and our future plans.

Presenter: HIGASHINO, Satoshi (Kobe University)

Session Classification: Project status