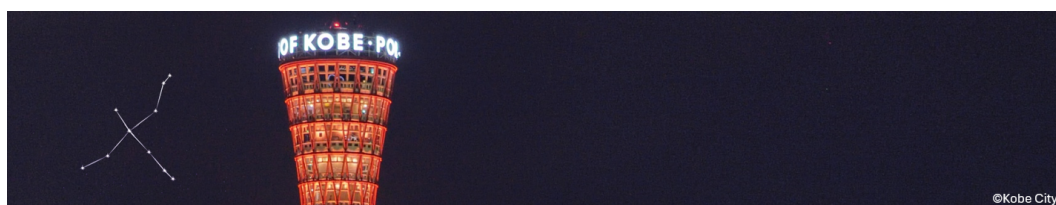


Session Program

23-25 Feb 2026



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

Migdal search

Kobe University, Integrated Research Center
7 Chome-1-48 Minatojima Minamimachi, Chuo Ward, Kobe, Hyogo 650-0047

Wednesday 25 February

10:50

Migdal search

Session |

Location: Kobe University, Integrated Research Center, 7 Chome-1-48 Minatojima Minamimachi, Chuo Ward, Kobe, Hyogo 650-0047

10:50–11:00

Introduction of the Migdal session

Speaker

Kiseki Nakamura

11:00–11:25

Migdal effect search using high pressure xenon gas TPC

Speaker

Kiseki Nakamura

11:25–11:50

Search for Migdal effect using Argon-based gaseous μ -TPC

Speaker

Keishi Suzuki

11:50–12:15

Direct Observation of the Migdal effect on D-D souce

Speaker

Difan Yi

12:15

13:45

Migdal search

Session |

Location: Kobe University, Integrated Research Center, 7 Chome-1-48 Minatojima Minamimachi, Chuo Ward, Kobe, Hyogo 650-0047

13:45–14:10

The MIGDAL experiment

Speaker

Dr Pawel Majewski

14:10–14:35

Characterising Backgrounds in the Search for the Migdal Effect with gas TPCs

Speaker

Timothy Marley

14:35–15:00

Results from the MIGDAL experiment

Speaker

Lex Millins

15:00

15:20

Migdal search

Session |

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15:20–15:45

Detecting Migdal signals in liquid xenon

Speaker

Dr Jingke Xu

15:45–16:10

Migdal Effect Beyond the Dipole Approximation: Calculations for Fast Neutrons and Dark Matter Detection

Speaker

Christopher McCabe

16:10–16:35

Searching for and characterizing the Migdal effect with real data-trained deep learning

Speaker

Jeffrey Schueler

16:35