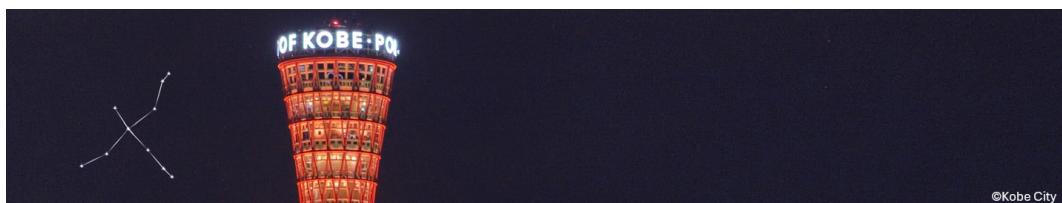


Session Program

23-25 Feb 2026



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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 source**

Speaker

Difan Yi

12:15

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

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