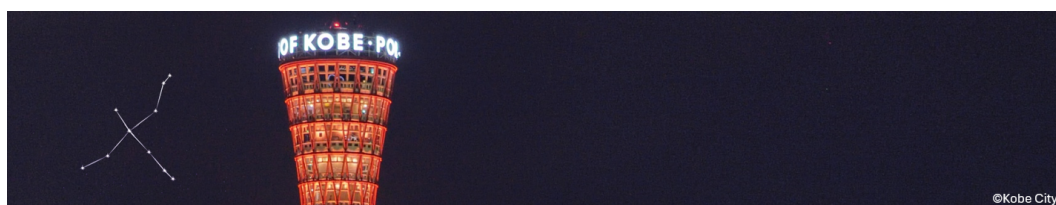


## **Session Program**

**23-25 Feb 2026**



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

## ***Poster session***

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

## Tuesday 24 February

16:20

### Poster session

**Session** |

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

16:20–16:21

#### **Directional Search for Light Dark Matter Using Quantum Sensor Technologies**

**Speaker**

Gurjeet Singh

16:21–16:22

#### **Ionization yield measurement using gaseous detector for dark matter searches**

**Speaker**

Wakako Toyama

16:22–16:23

#### **Development of an Optical TPC with GEM and CMOS Sensors for Surface Alpha Measurements**

**Speaker**

Shinya Aoyama

16:23–16:24

#### **Event Selection of Neutron Elastic Scattering for Background Reduction in Migdal Effect Searches Using a Xenon Gas TPC**

**Speaker**

AYUMI NAKANO

16:24–16:25

#### **Diffusion deconvolution method and fiducialization for the CYGNO experiment**

**Speaker**

Giorgio Dho

16:25–16:26

#### **Wide-Field Hard X-ray Polarimetry with a Large-Volume TPC**

**Speaker**

Davide Fiorina

16:26–16:27

#### **Dark Matter Sensitivity of the CYGNO Detector with eco-friendly Gas Mixtures**

**Speaker**

Melba D'Astolfo

16:27–16:28

#### **Local Dark Matter Evaluated with Cosmological Simulation Data**

**Speaker**

Hatsume Chujo

16:28–16:29

#### **Development of an Integrated DAQ System for the MIRACLUE Experiment**

18:00

<b>Speaker</b> Shiori Nishida	
16:29-16:30	<b>The KERNEL facility</b>
<b>Speaker</b> Dr Keishi Hosokawa	