Session Program

Oct 18 – 22, 2021

The 24th International Spin Symposium

Polarized Sources and Targets

Matsue, Shimane Prefecture, Japan
Matsue City, Shimane Prefecture, Japan

Mon, October 18

6:50 PM

Polarized Sources and Targets: Chair: Shunsuke Ikeda

Session | **Location:** Kunibiki Messe, Room 401 | **Conveners:**
Kenichiro
Tateishi, Shunsuke Ikeda, Dr Genki NUKAZUKA

6:50 – 7:15 PM

Status of Polarized Solid Targets in European High Energy Scattering Experiments

Speaker
Dr Gerhard Reicherz

7:15 – 7:40 PM

The Hydro-Moeller Polarimeter at MESA

Speaker
Kurt Aulenbacher

7:40 – 8:00 PM

Polarized H_2, D_2 and HD molecules and their possible use to feed a polarized H_2^+, D_2^+ or HD^+ ion source for stripping injection into storage rings

Speaker
Dr Ralf Engels

8:00 – 8:20 PM

Plasma Lens: Prospects and designs of increased yield capture section of polarised e+ sources

Speaker
Niclas Hamann

8:20 PM

Tue, October 19

6:50 PM

Polarized Sources and Targets: Chair: Shunsuke Ikeda

Session | **Location:** Kunibiki Messe, Room 401 | **Conveners:** Shunsuke Ikeda, Dr Genki NUKAZUKA, Kenichiro Tateishi

6:50 – 7:20 PM

Optically polarized alkali metal cell for muonic helium measurements

Speaker
Dr Takashi Ino

7:20 – 7:40 PM

New application of a Sona transition unit: Observation of direct transitions between quantum states with energy differences of 10 neV and below

Speaker
Mr Chrysovalantis Kannis

7:40 – 8:00 PM

A versatile bulk superconducting MgB$_2$ cylinder for the production of holding magnetic field for polarized fuels and targets

Speaker
Mr Filippo Lanaro

8:00 – 8:20 PM

New aspects of storage-cell developments for the polarized internal target at LHCb

Speaker
Mr Hendrik Smitmanns

8:20 PM

Thu, October 21

8:40 AM

Polarized Sources and Targets: Chair: Genki Nukazuka

Session | **Location:** Kunibiki Messe, Room 401 | **Conveners:**
Kenichiro
Tateishi, Dr Genki NUKAZUKA, Shunsuke Ikeda

8:40 – 9:05 AM **A High-Magnetic-Field Polarized 3He Target for JLab's CLAS12**

Speaker
James Maxwell

9:05 – 9:30 AM **Testing a new polarized target for CLAS12 at Jefferson Lab**

Speaker
Dr Christopher Keith

9:30 – 9:50 AM

Status of Lamb-shift polarized ion source at 6 MV tandem accelerator in UTTAC and its application to nuclear physics

Speaker
Dr Tetsuaki Moriguchi

9:50 – 10:10 AM

Concept of projection-type 3D spin-resolving electron detector with spatial resolution and new type of polarized electron source

Speaker
Oleg Tereshchenko

10:10 AM

Fri, October 22

8:40 AM

Polarized Sources and Targets: Chair: Genki Nukazuka

Session | **Location:** Kunibiki Messe, Room 401 | **Conveners:**
Dr
Genki NUKAZUKA, Kenichiro Tateishi, Shunsuke Ikeda

8:40 – 9:00 AM **SpinQuest Polarized Target: An Overview**

Speaker
Ishara Fernando

9:00 – 9:20 AM

Dynamical Behavior of the SpinQuest Target Polarization due to Beam Heating and Radiation Damage

Speaker
Dr Zulkaida Akbar

9:20 – 9:40 AM

Dilution factor calculation and its contribution to SpinQuest systematic error

Speaker
Mr Anchit Anchit Arora

9:40 – 10:00 AM **NMR With Machine Learning**

Speaker
Devin Seay

10:10 AM