

Session Program

8-10 Jun 2026

**International Workshop on Frontiers of Active
Targets and Nuclear Spectroscopy
(FATaNS2026)**

Session

RIKEN, Nishina Hall (E02)

Monday 8 June

10:10

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Daisuke Suzuki

10:10-10:40 **Recent results and new prospects with the AT-TPC**

Speaker

Daniel Bazin

10:40-11:10 **TBA**

Speaker

Betty Tsang

11:10-11:40 **Present status of study of alpha condensation**

Speaker

Yasuro Funaki

11:40

13:00

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Hidetoshi Yamaguchi

13:00-13:30 **AT-TPC campaign at RCNP**

Speaker

Tatsuya Furuno

13:30-14:00

Studying the Equation of State of Dense Nuclear Matter Through Xe + Sn Reactions in the SπRIT TPC

Speaker

Curtis Hunt

14:00-14:20

Direct Neutron Capture in Continuum QRPA: Impact of Collectivity and Resonances on the Low-Energy Cross Sections

Speaker

Teruyuki Saito

14:20

14:50

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Sunghoon (Tony) Ahn

14:50-15:20

(Online) Development of MATE and its applications in nuclear structure studies

Speaker

Zhichao ZHANG

15:20-15:50 **GEM based TPC "HypTPC" and its upgrade with thin Glass GEM**

Speaker

Yudai Ichikawa

15:50

16:20

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Tatsuya Furuno

16:20–16:50 **(Online) Recent results on nuclear structure studies with ACTAR TPC**

Speaker

Miguel Lozano-González

16:50–17:10

Investigation of the shell inversion in ^{10}Li via a $d(^{11}\text{Be}, ^3\text{He})^{10}\text{Li}$ reaction with the Active Target Time Projection Chamber (AT-TPC)

Speaker

Haoyu GE

17:10

Tuesday 9 June

09:30

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Soomi Cha

09:30-10:00

High pressure xenon gas TPC development to search for neutrinoless double beta decay

Speaker

Kiseki Nakamura

10:00-10:20

Measurement of ^{12}C neutron inelastic scattering cross section using MAIKo+ active-target Time Projection Chamber (TPC)

Speaker

YIFAN LIN

10:20

10:40

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Fumitaka Endo

10:40-11:10

Probing Shell Evolution in ^{16}C and ^{12}Be with ATTPC and Solenoidal Spectrometers

Speaker

Weiliang Pu

11:10-11:40

Search for alpha condensed state in ^{24}Mg with AT-TPC

Speaker

Soki SAKAJO

11:40

13:00

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Daniel Bazin

13:00-13:30

Advancement of microscopic nuclear fission theory based on the non-equilibrium Green's function method

Speaker

Kotaro Uzawa

13:30-13:50

Upgrade and Performance of the TexAT_v2 Active-Target TPC for the $^{14}\text{O}(\alpha,p)^{17}\text{F}$ Measurement

Speaker

Chaeyeon Park

13:50-14:10

(Online) Gamow-Teller transition studies within Quasiparticle Phonon Model

14:10

Speaker
Alexey Severyukhin

14:30

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Jie Chen

14:30-15:00

(Online) Development of low-pressure micromegas TPC and application in nuclear astrophysics with high intense primary beams

Speaker
Dr Ningtao Zhang

15:00-15:30

Recent Progress and Future Developments of the CAT-M

Speaker
Fumitaka Endo

15:30-16:00

(online) Reaction and decay studies with ACTAR TPC

Speaker
Jérôme Giovinazzo

16:00

Wednesday 10 June

09:00

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Naoyuki Itagaki

09:00–09:30

Role of Nucleon Effective Mass in Dense-Matter Microphysics for Supernovae and Neutron Stars

Speaker

Hajime Togashi

09:30–10:00

Spin correlation and entanglement in two-proton emissions

Speaker

Dr Tomohiro OISHI

10:00

10:20

Session

Session | **Location:** RIKEN, Nishina Hall (E02) | **Convener:** Chair: Yasuro Funaki

10:20–10:50

Development and physics programs of active target TPC at CENS

Speaker

Dr Soomi Cha

10:50–11:20

Clustering feature of light nuclei

Speaker

Naoyuki Itagaki

11:20