

**XXII International Workshop on
Low-Energy Positron and Positronium Physics**

**XXIV International Symposium on
Electron-Molecule Collisions and Swarms**



POSMOL2025

**August 7 (Thu) – 10 (Sun), 2025,
Matsue, Japan**

On arrival at Matsue

At Izumo and Yonago Airports

The bus departs from both airports according to the arrival time of each flight. It takes around 45 minutes from the airports to JR Matsue station. The fare is: Izumo airport to JR Matsue station: 1,300 JPY. Yonago airport to JR Matsue station: 1,200 JPY. You can buy tickets at the vending machines at the airport with JPY.

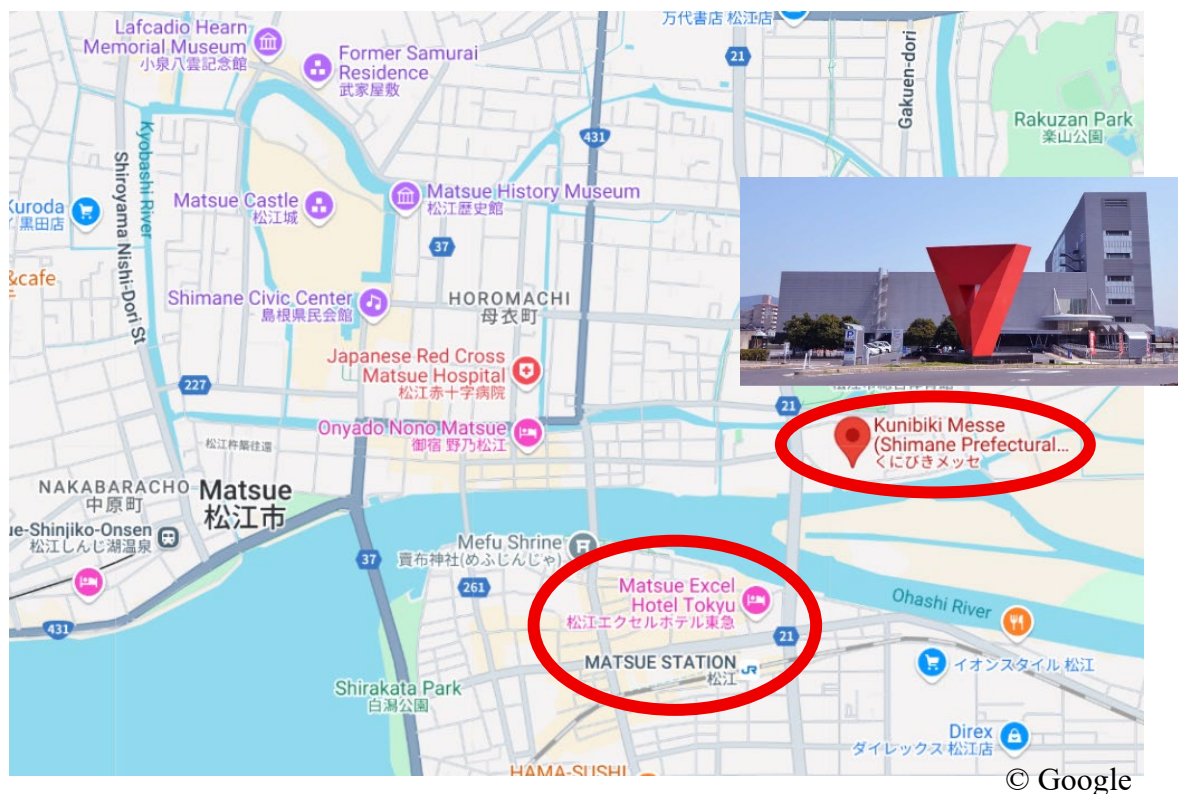
Web Page: <https://www.visit-matsue.com/access>

Venue and Registration desk

On August 7th (Thu), the registration desk is open from 5 pm to 7 pm on the ground floor in Kunibiki Messe. It takes around 7 minutes from Matsue Station on foot.

Welcome reception

The welcome reception will be held from 5 pm to 8 pm on the ground floor in Kunibiki Messe on August 7th (Thu). Please join us!

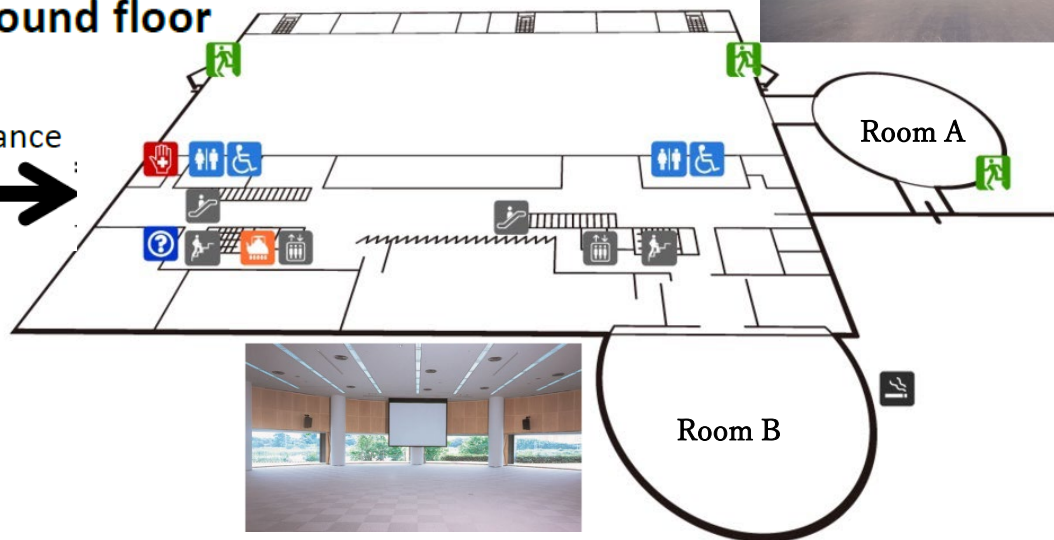


Venue guide: Kunibiki Messe

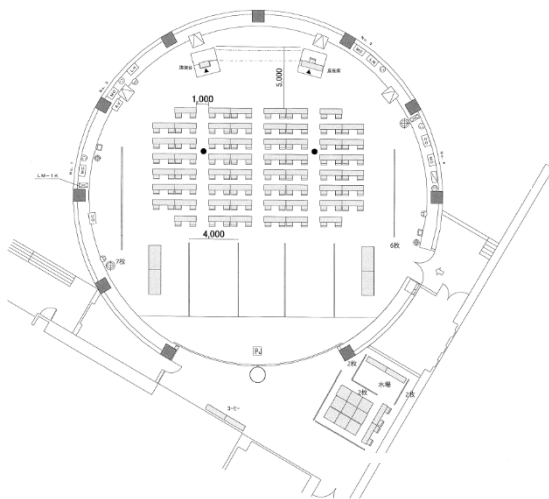
Web Page: <https://www.kunibikimesse.jp/en/>

Ground floor

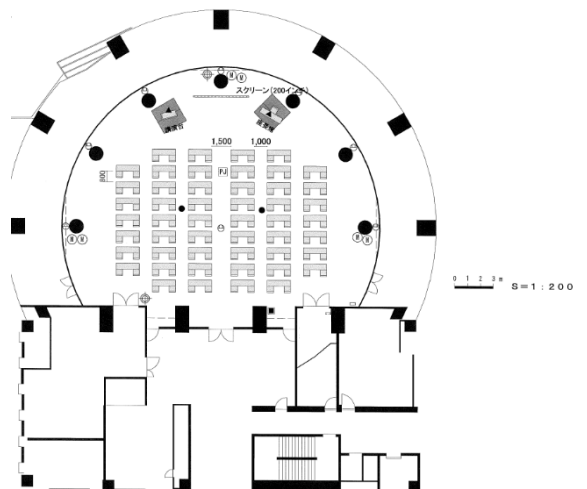
Entrance



Room A

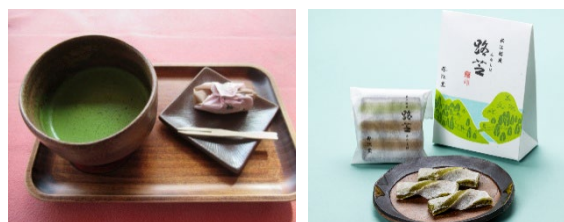


Room B



Japanese Tea Ceremony (17:30 on August 8th (Fri))

Following the POSMOL2013 in Kanazawa, LOC in POSMOL2025 is planning to serve “Japanese Tea Ceremony” on August 8th (Fri), before the poster session (approximately from 17:30).



The Japanese Tea Ceremony, known as “Sado”, is a traditional cultural practice of preparing and serving matcha (powdered green tea) to guests with grace and respect. It is more than just drinking tea - it's a spiritual and aesthetic experience. This time, the Fumai-ryu Daienkai will be holding a tea ceremony demonstration. We will be serving matcha green tea and a Japanese sweet called “Michishiba”, which means “roadside grass” is made with Gyuhi (rice cake made by kneading glutinous rice flour, sugar, and water), white sesame, white bean paste, and matcha.

Please enjoy the elegant tea ceremony, matcha (green tea), and Japanese sweets. No need to be formal!! However, please be sure to sit down when enjoying the tea, as it is considered inelegant to drink tea while standing.

Caution: Please be aware of allergies to beans and sesame. The ingredients of the Japanese sweets we offer are as follows:

Ingredients: Sugar, White kidney beans (White bean paste), Glutinous rice flour (Mochiko), Roasted glutinous rice flour (Kambaiko), Japanese starch syrup, White sesame, Matcha, Trehalose, Natural color additive (Gardenia)

Yuushien and its Japanese Garden (Banquet from 18:30 on August 9th (Sat))

Yuushien Garden is a traditional Japanese garden located on Daikon Island, at Lake Nakaumi. You can enjoy the garden, which covers an area of approximately 33,000 square meters and recreates the scenery of the Izumo region, filled with peonies and various other flowers in full bloom throughout the seasons. You can also enjoy restaurants and cafes, with serving high-quality food and beverages.



Web Page: <https://www.yuushien.com/language/en.html>

General information

Registration and workshop desk

We accept only JPY in cash. The registration desk will be open on:

Thursday, August 7th,	5:00 pm – 7:00 pm
Friday, August 8th,	7:45 am – 6:00 pm
Saturday, August 9th,	8:00 am – 5:00 pm
Sunday, August 10th,	8:30 am – 1:00 pm

Name Badge

As a security requirement, we request that all the attendees (regular, trainee, and accompanying person) of POSMOL2025 wear their name badge at all times.

WiFi

Attendees of POSMOL2025 can access the internet at the venue (Kunibiki Messe). There is open access to the WiFi named "posmol2025" during the workshop.

Electricity

The power supply is single phase 100 volts at 60 Hz.

Climate

Please note that it is very hot in August in Matsue! The mean temperature is 30 °C (25-35 °C). Sunrise is 5:00 am and sunset is 7:00 pm.

Money

The currency unit in Japan is JPY. (Reference: 1 Euro = 171 JPY, 1 US\$ = 147 JPY on July 22nd, 2025.) We accept only JPY in cash.

Airport bus departure time from JR Matsue station (BUS STOP No. 9)

Reservation is unnecessary. Wait at the bus stop (No.9) in front of JR Matsue station and pay the fare in the bus.

Izumo Airport Limousine Bus

出雲空港連絡バス <松江線> 時刻表

(2025年8月9日から8月31日までの運行時刻)

松江しんじ湖温泉駅	J R 松江駅	出雲空港	便名	到着地	空港発・定刻	便名	出発地	空港着・定刻	出雲空港	J R 松江駅	松江しんじ湖温泉駅
6:05	6:15	6:50	JAL 276	東京	7:45	JAL 2345	大阪	8:00	8:10	8:45	8:51
6:50	7:00	7:35	JAL 2344	大阪	8:30	FDA 411	名古屋	8:10	8:35	9:10	9:16
			FDA 412	名古屋	8:40	(JAL4461)	(小牧)				
7:00	7:10	7:45	(JAL4462)	(小牧)		JAL 3551	福岡	8:25	8:45	9:20	9:26
			JAL 3433	隠岐	9:00	JAL 277	東京	8:35	10:40	11:15	11:21
7:55	8:10	8:45	JAL 278	東京	9:40	JAL 3434	隠岐	10:30	11:30	12:05	12:11
9:20	9:30	10:05	JAL 3550	福岡	11:00	JAL 279	東京	11:20	11:40	12:15	12:21
10:20	10:30	11:05	JAL 280	東京	12:00	JAL 2347	大阪	11:30	13:10	13:45	13:51
10:30	10:40	11:15	JAL 2346	大阪	12:05	FDA913	名古屋	13:00	14:25	15:00	15:06
			FDA 914	名古屋	13:30	(JAL4521)	(中部)		15:15	15:50	15:56
11:45	11:55	12:30	(JAL4522)	(中部)		JAL 3426	札幌	14:15	15:30	16:05	16:11
13:15	13:25	14:00	JAL 3421	札幌	14:55	JAL 2355	大阪	15:05	15:45	16:20	16:26
13:55	14:05	14:40	JAL 2356	大阪	15:35	FDA185	静岡	15:20	17:50	18:25	18:31
			FDA 186	静岡	15:55	(JAL4337)			18:35	19:10	19:16
14:05	14:15	14:50	(JAL4338)			JAL 283	東京	15:35	18:45	19:20	19:26
14:45	14:55	15:30	JAL 284	東京	16:20	FDA 417	名古屋	17:40	19:00	19:35	19:41
			FDA 418	名古屋	18:10	(JAL4467)	(小牧)		19:55	20:30	20:36
16:25	16:35	17:10	(JAL4468)	(小牧)		JAL 285	東京	18:25			
17:10	17:25	18:00	JAL 2358	大阪	19:10	JAL 2357	大阪	18:35			
17:20	17:35	18:10	JAL 286	東京	19:05	JAL 3555	福岡	18:50			
17:30	17:45	18:20	JAL 3554	福岡	19:20	JAL 287	東京	19:45			

JR Matsue station

Izumo airport

<https://www.izumo-airport.co.jp/>

米子空港線時刻表

JR松江駅⇄米子空港

2025/2/17 14:57

(2025年3月30日から10月25日の運行時刻)

運行会社	J R 松江駅発	米子空港着	全日空 米子空港発	全日空 米子空港着	米子空港発	J R 松江駅着	運行会社
一畑	5:50	6:35	7:20 ANA 382 東京	8:10 ANA 381 東京	8:25	9:10	一畑
日ノ丸	7:20	8:05	8:50 ANA 384 東京	10:30 ANA 383 東京	10:45	11:30	日ノ丸
一畑	9:40	10:25	11:10 ANA 386 東京	14:25 ③ ANA 1087 東京	14:40	15:25	一畑
日ノ丸	13:40	14:25	15:10 ① ANA 1088 東京	16:35 ④ ANA 385 東京	16:50	17:35	日ノ丸
一畑	15:50	16:35	17:20 ② ANA 388 東京	19:30 ⑤ ANA 387 東京	19:45	20:30	一畑
日ノ丸	18:45	19:30	20:15 ANA 390 東京	21:25 ANA 389 東京	21:35	22:20	日ノ丸

JR Matsue station

Yonago airport

<https://www.yonago-air.com/>

Presentation & Poster prize for trainees

The official language for the Workshop is English.

Oral presentation

You can use your own PC to show your viewgraphs using an LCD projector. The timetable is tight, and we have no margins, so please keep your time.

Plenary talk: 45 min (including 5 min discussion)

Invited talk: 30 min (including 5 min discussion)

Hot Topic talk: 15 min (including short discussion)

Poster presentation

We will provide the poster board (W 1200 mm x H 2100 mm), so you should prepare your poster with A0 vertical dimension (W 841 mm x H 1189 mm). Pins or adhesive tape are provided to post the posters. Please post your poster **from 1 pm on August 8th (Fri) to 4 pm on August 9th (Sat)**.



Duplication and recording

Photography, audio recording, video recording, or any other form of duplication is strictly prohibited in the session rooms and poster areas without permission.

Poster prizes for trainees

We will award prizes for outstanding poster contributions by trainees. The award will be announced at the Banquet, held in the evening on August 9th (Sat).

EPJ D Topical Collection

We are delighted to invite all participants to submit papers to the Topical Collection of the European Physical Journal D (EPJ D) on “Perspectives and Recent Advances in Electron, Swarms, Positron and Positronium Physics”. The guest editors are Prof. Paulo Limão-Vieira, Prof. Márcio Bettega, Prof. Dragana Marić, Prof. Masanori Tachikawa, Prof. Marco Lima, and Prof. David B. Cassidy

Deadline for submission: **December 15th, 2025**

Submission Web Page of EPJD: <https://www.editorialmanager.com/epjd/>

Supporters



POSMOL 2025

XXII International Workshop on Low-Energy Positron and Positronium Physics
XXIV International Symposium on Electron-Molecule Collisions and Swarms

Thursday, August 7 – Sunday, August 10, 2025
Kunibiki Messe, Matsue-city, Japan

SCHEDULE

Thursday, August 7, 2025

Room B

5:00 PM – 8:00 PM

Registration & Welcome Reception

Friday, August 8, 2025

Room A

8:15 AM **Opening** Masanori Tachikawa

In Memoriam: CHAIR: Yasuyuki Nagashima

8:25 AM Stephen Buckman *Celebrating the life and science of Cliff Surko*

Plenary Session: CHAIR: Jimena Gorfinkiel

8:45 AM PL1: Ann E. Orei *Studies of dissociative recombination*

Joint Session: CHAIR: Stephen Buckman

9:30 AM J1: Sasa Dujko *Streamer discharges: From gaseous dielectrics to particle detectors and planetary atmospheres*

10:00 AM J2: Koji Michishio *Photodetachment spectroscopy of positronium negative ions*

10:30 AM – 11:00 AM Break

Parallel Session 11:00 AM – 12:30 PM

Room A

Electron Session: CHAIR: Dragana Maric

11:00 AM E1: Ana Isabel Lozano *Low-energy electron scattering with nitrogen oxides: new experimental insights from the magnetically confined electron beam system*

11:30 AM E2: Vaibhav S. Prabhudesai *Electron collision with molecular hydrogen*

12:00 PM E-HT1: Juraj Fedor *Velocity map imaging of dissociative electron attachment close to 0 eV*

12:15 AM E-HT2: Lucas Sigaud *Probing molecular geometrical rearrangement effects after ionization*

Room B

Positron Session: CHAIR: Takuma Yamashita

11:00 AM P1: Andres Reyes *Binding a positron to neutral atomic and molecular dimers*

11:30 AM P2: Sandra J. Ward Quintanilla *Electron-positronium scattering and the photodetachment of Ps⁻*

12:00 PM P3: Soumen Ghosh *Probing resonant positron-molecule annihilations beyond fundamental modes*

12:30 PM – 2:00 PM Lunch

Room A

Joint Session: CHAIR: Hajime Tanuma

- 2:00 PM J3: Chris Greene *How to convert a body-frame scattering calculation into an accurate dissociative recombination amplitude*
- 2:30 PM J4: April Cridland Mathad *From trickle to torrent: the role cold positrons play in maximising antihydrogen production*
- 3:00 PM J5: Martin Cizek *Vibronic coupling in electron-molecule collisions and electron photodetachment*

3:30 PM – 4:00 PM Break

Parallel Session 4:00 PM – 5:30 PM

Room A

Electron Session: CHAIR: Masashi Kitajima

- 4:00 PM E-HT3: Paulo Limão-Vieira *SF₆ negative ion formation probed in electron transfer experiments*
- 4:15 PM E-HT4: Miloš Ranković *Detecting solvated electrons created by electron collisions with liquid micro-jets*
- 4:30 PM E-HT5: Yuta Endo *Energy loss spectroscopy of ionic liquids by electron impact*
- 4:45 PM E-HT6: Gorachand Das *Experimental evidence for dipole-supported state as doorway to dissociative electron attachment*
- 5:00 PM E-HT7: Daniel Bou Debes *Slit lenses in electron momentum spectroscopy*

Room B

Positron Session: CHAIR: Koji Michishio

- 4:00 PM P-HT1: Daisuke Yoshida *Positron binding properties in cage-structured water clusters*
- 4:15 PM P-HT2: Takuma Yamashita *Three-particle correlation in positronium ions and in positronium (anti)hydrides*
- 4:30 PM P-HT3: Naoki Kamiya *Radiative dissociation of positronium molecules in excited state*
- 4:45 PM P-HT4: Alessandra Souza Barbosa *Positron scattering by oxygen-containing molecules: ab-initio and model potential approaches via the Schwinger Multichannel method*
- 5:00 PM P-HT5: Joshua Machacek *Metastable helium atom production by positron impact*

5:30 PM In front of Room A Japanese Tea Ceremony

Poster Session 6:00 PM – 8:00 PM

6:00 PM Room A Poster Session

8:00 PM

Saturday, August 9, 2025

Room A

Plenary Session: CHAIR: *Masanori Tachikawa*

8:30 AM PL2: *Márcio T. do N. Varella* Models for transient anions and positronic system in condensed phase

Joint Session: CHAIR: *Roman Čurík*

9:15 AM J6: *Fábris Kossoski* Towards highly accurate resonance energies in electron-molecule scattering

9:45 AM J7: *Nicolas Sisourat* ions/Interatomic coulombic electron capture: A journey through theory

10:15 AM – 10:45 AM Break

Parallel Session 10:45 AM – 12:00 PM

Room A

Electron Session: CHAIR: *Kohki Satoh*

10:45 AM E3: *Barbora Kocábková* Electron Induced Reactions in Isolated Molecules and in Clusters

11:15 AM E-HT8: *Dávid Hvizdoš* Comparing theoretical methods of electron molecular-ion scattering with a hydrogen-like toy model

11:30 AM E-HT9: *Haadi Umer* Convergent close-coupling calculations for electron scattering on LiH and Li₂

11:45 AM E-HT10: *Roman Čurík* Determination of electronic resonances by analytic continuation using barycentric formula

Room B

Positron Session: CHAIR: *Akira Ishida*

10:45 AM P4: *Yugo Nagata* Positronium diffraction experiment using a graphene target

11:15 AM P-HT6: *Riki Mikami* Studies on positronium transmission through graphene films

11:30 AM P-HT7: *Rezwan Ahmed* Development of a Low-Energy Positron Diffraction (LEPD) experimental station and quantitative surface structure analysis on metal surfaces

11:45 AM P-HT8: *Evans Edwin Javary* New results and future prospects of the positronium ¹³S → ²³S experiment

12:00 PM – 1:45 PM Lunch

Plenary Session: CHAIR: *Paulo Limão-Vieira*

1:45 PM PL3: *Sylvia Ptasinska* The Untold Story of Molecular Fragmentation by Electrons

2:30 PM **Room A** Group Photo

Parallel Session 2:45 AM – 3:45 PM

Room A

Electron Session: CHAIR: *Yasuhiro Sakai*

2:45 PM E4: *Dale Muccignat* Deep learning methods for determining electron and positron scattering cross-sections in condensed and gaseous phases

3:15 PM E-HT11: *Satoru Kawaguchi* Transport properties of electron swarms in SF₆ under RF electric fields

3:30 AM E-HT12: *Masamitsu Hoshino* Recent activities of Atomic, Molecular, and Sputtering Data Workshop Group in NIFS

Room B

Positron Session: CHAIR: *Ken Wada*

- 2:45 PM P5: *Dan Murtagh* A slow beam of antihydrogen atoms for spectroscopy of the ground-state hyperfine structure
- 3:15 PM P-HT9: *Masaki Nobuoka* Exploration of spin-selective interactions between chiral molecules and positrons
- 3:30 PM P-HT10: *Akira Ishida* Development of positronium formation material for Bose-Einstein condensation

3:45 AM – 4:15 AM Break

Room A

Joint Session: CHAIR: *Dmitry Fursa*

- 4:15 PM J8: *Monica Mendes* The impact of low energy electrons in the fragmentation of astrochemical relevant molecules (online)
- 4:45 PM J9: *Gleb Gribakin* Similarity of the near-threshold cross sections for positronium formation and photoionization in polyatomic molecules
- 5:15 PM J10: *Pauline Comini* At the crossroads of GBAR: antiproton and hydrogen charge exchange reactions with positronium

5:45 PM – 6:30 PM Bus tour to the **Yuushien Garden** (for Conference Dinner)

6:30 PM – 9:00 PM **Conference Dinner**

Sunday, August 10, 2025

Room A

Plenary Session: CHAIR: *Yugo Nagata*

- 9:00 AM PL4: *Yasuhiko Sentoku* Positron generation and acceleration in a self-organized photon collider enabled by an ultraintense laser pulse

Joint Session: CHAIR: *Yugo Nagata*

- 9:45 AM J11: *Adam Deller* Positron transport and cooling in CF₄ in a magnetic dipole trap

10:15 AM – 10:45 AM Break

Joint Session: CHAIR: *Sylvia Ptasinska*

- 10:45 AM J12: *Gregory James Boyle* Positron annihilation rates in noble gases: Sensitivity to scattering cross sections and positronium dynamics
- 11:15 AM J13: *Stephan Denifl* Low-energy electron collisions with molecules of biological interest: From single to microhydrated systems

11:45 AM **Closing**

12:00 PM – 1:45 PM Lunch & Adjourn

POSTERS

The symbol * after the poster number indicates the candidate of trainees for the poster prizes.

- 1 [Hisashi Abe](#) *Reliable humidity measurement for controlling environmental conditions in experiments*
- 2 [Rezwana Ahmed](#) *Development of a Low-Energy Positron Diffraction (LEPD) experimental station and quantitative surface structure analysis on metal surfaces*
- 3 [Micheal Amponsah](#) *Harnessing positron annihilation spectroscopy for advancing renewable energy materials in Africa*
- 4* [Miu Ashiba](#) *Positron affinity in hydrocarbons and halogenated hydrocarbons: A theoretical analysis of its relationship with physical properties*
- 5* [Haruto Baba](#) *Theoretical study on positron-molecular complexes for graphene-like molecules*
- 6 [Alessandra Souza Barbosa](#) *Positron scattering by oxygen-containing molecules: ab-initio and model potential approaches via the Schwinger Multichannel method*
- 7 [Daniel Bou Debes](#) *Slit lenses in electron momentum spectroscopy*
- 8 [Daniel Bou Debes](#) *Electron- and UV-induced reactions in isolated and clustered benzonitrile*
- 9 [Gregory James Boyle](#) *On the drift-diffusion analysis of the Pulsed Townsend experiment*
- 10* [Yusuke Chaki](#) *A study of threshold photoelectron source using undispersed synchrotron radiation for differential cross section measurements in very-low-energy*
- 11 [Roman Čurík](#) *Determination of electronic resonances by analytic continuation using barycentric formula*
- 12* [Gorachand Das](#) *Experimental evidence for dipole-supported state as doorway to dissociative Electron Attachment*
- 13 [Saša Dujko](#) *Axisymmetric fluid streamer model with curvilinear electrodes in the AMReX Library*
- 14 [Saša Dujko](#) *Current waveform analysis in Monte Carlo simulation of an idealized pulsed-Townsend experiment*
- 15 [Saša Dujko](#) *Transport of electrons and the propagation of streamers in the atmosphere of K2-18b*
- 16* [Yuta Endo](#) *Energy loss spectroscopy of ionic liquids by electron impact*
- 17* [Jamie M. Erak](#) *Close-coupling approach to a model problem for resonant collisions of electrons with diatomic molecules*
- 18 [Juraj Fedor](#) *Velocity map imaging of dissociative electron attachment close to 0 eV*
- 19 [Joshua Forer](#) *Low-energy dissociative recombination of light diatomic ions*
- 20 [Dmitry V. Fursa](#) *Convergent close-coupling approach to electron-impact dissociative excitation and ionisation of H_3^+*
- 21 [Jimena D. Gorfinkiel](#) *Virtual photon exchange and electron transfer in Interparticle Coulombic Electron Capture (ICEC)*
- 22 [Jimena D. Gorfinkiel](#) *Fragmentation dynamics through geometrical distortion in low-energy electron attachment to CS_2*
- 23 [Masamitsu Hoshino](#) *Recent activities of atomic, molecular, and sputtering data workshop group in NIFS*
- 24 [Dávid Hvizdoš](#) *Comparing theoretical methods of electron molecular-ion scattering with a hydrogen-like toy model*
- 25 [Oddur Ingólfsson](#) *Dissociative electron attachment to pentafluorophenyl triflate, a potential photo acid generator for chemically amplified extreme ultraviolet lithography resists*

- 26 Oddur Ingólfsson *Dissociative ionization of pentafluorophenyl triflate, a potential photo acid generator for chemically amplified extreme ultraviolet lithography resists*
- 27 Akira Ishida *Development of positronium formation material for Bose-Einstein condensation*
- 28* Chihiro Ito *Towards the measurement of the absolute photodetachment cross sections of Ps^-*
- 29* Evans Edwin Javary *New results and future prospects of the positronium $1^3\text{S} \rightarrow 2^3\text{S}$ experiment*
- 30* Naoki Kamiya *Radiative dissociation of positronium molecules in excited state*
- 31 Satoru Kawaguchi *Transport properties of electron swarms in SF_6 under RF electric fields*
- 32 Rua Kimura *Mobility measurements of H_3^+ and D_3^+ ions in He gas at 77.3 K*
- 33* Gaku Kitajima *A new experimental apparatus for ultra-low-energy electron collision utilizing secondary electron beam*
- 34 Masashi Kitajima *Peak asymmetry in Feshbach resonance of Ne ($^2\text{P}_{3/2}$, $^2\text{P}_{1/2}$) by spin-polarized electron impact: application to spin polarimeter*
- 35 Paulo Limão-Vieira *Ultrafast electron transfer and vibronic coupling in molecular collisions with potassium*
- 36 Paulo Limão-Vieira *SF_6 negative ion formation probed in electron transfer experiments*
- 37 Joshua Machacek *Metastable helium atom production by positron impact*
- 38 Dragana Marić *Effective ionization coefficients in HFO1234yf and HFO1234ze(E)*
- 39 Riki Mikami *Studies on positronium transmission through graphene films*
- 40* Ana Beatriz Monteiro de Carvalho *O_2^+ production coming from CO_2 single-event electron impact*
- 41* Ana Beatriz Monteiro de Carvalho *The role of double ionization for the production of O^+ coming from CO_2 ionization by electron impact*
- 42* Aoi Murakawa *Experimental apparatus for measuring high-resolution differential cross sections with specified molecular orientation*
- 43* Takuto Nakazono *Theoretical analysis of positronic compounds of halogen molecular divalent anions*
- 44* Arata Neki *Associative ionization between muonic hydrogen and hydrogen atoms*
- 45 Masaki Nobuoka *Exploration of spin-selective interactions between chiral molecules and positrons*
- 46 Miloš Rankovic *Detecting solvated electrons created by electron collisions with liquid micro-jets*
- 47 Miloš Rankovic *Resonances and dissociative electron attachment in benzonitrile*
- 48* Rodrigo Rodrigues *Cyanide anion formation via DEA in nitrilarenes*
- 49* Rodrigo Rodrigues *The role of low energy electrons in EUVL tin-oxo photoresist proxies*
- 50* Rodrigo Rodrigues *Negative ion formation prediction using AI*
- 51* Rodrigo Rodrigues *The role of low energy electrons in hydrofluoroolefins F-Gases*
- 52 Yuhi Sada *Observation of the transmission of slow positrons through free-standing graphene films supported on TEM grid*
- 53 Lucas Sigaud *Probing molecular geometrical rearrangement effects after ionization*
- 54 Daniel Stephen Slaughter *Dynamics of dissociative attachment of electrons to simple organic molecules*
- 55* Karol Szymczyk *A geant 4 simulation of the positronium target cloud in the GBAR experiment*
- 56 Karin Takahashi *An isotope effect in dissociative ionization of hydrogen molecules*

- 57 [Kazunari Takaya](#) *A real-time gas monitoring device based on ion attachment - ion mobility spectrometry for working environments*
- 58 [Hajime Tanuma](#) *Isotope effect in mobility of HeH^+ and HeD^+ ions in He gas at 77.3 K*
- 59* [Kiyomasa Tsuzuki](#) *Elastic cross sections of tungsten hexafluoride molecules in 2.0 – 200 eV energy electron impact: Similarities with six fluorine containing molecules and evidence of F-atom like scattering*
- 60* [Haadi Umer](#) *Convergent close-coupling calculations for electron scattering on LiH and Li_2*
- 61 [Sandra J. Ward](#) *Variational calculations of low-energy positron and electron scattering from helium*
- 62 [Sandra J. Ward](#) *One- and two-photon detachment of the positronium negative ion*
- 63* [Ashutosh Yadav](#) *Investigation of positron scattering for fluorocarbons in plasma applications*
- 64 [Takuma Yamashita](#) *Three-particle correlation in positronium ions and in positronium (anti)hydrides*
- 65 [Daisuke Yoshida](#) *Positron binding properties in cage-structured water clusters*

GustavoFest Talk Schedule

Session 1 Chair: Steve Buckman

14.00 – 14.20 **Paulo Limao-Vieira, Lisbon**

Electrons, positrons, ions and cross-sections: a legacy from a Spanish “black hoof”

14.20 – 14.40 **Alex Dorn, Heidelberg**

Learning from Gustavo: our strive to explore collisions of high relevance

14.40 – 15.00 **Masamitsu Hoshino, Tokyo**

The usefulness of IAM-SCAR calculation in elastic scattering with molecules by electron impact: a comparison with our data

15.00 – 15.20 **Ron White, Townsville**

Towards a transport model for electrons and positrons in liquids and soft-matter

15.20 – 15.40 **Jimena Gorfinkiel, Milton Keynes**

Bring me the cross sections of Gustavo Garcia!

15.40 – 16.00 BREAK

Session 2 Chair: Paulo Limao-Vieira

16.00 – 16.20 **Ana Lozano, Toulouse**

Gustavo García: from the physicist to the mentor

16.20 – 16.40 **Masashi Kitajima, Tokyo**

High-energy and low-energy electron scattering cross section measurements - unfinished homework from Gustavo

16.40 – 17.00 **Dan Slaughter, Berkeley**

Resolving chemical reaction channels and dynamics in electron-molecule collisions

17.00 – 17.20 **Steve Buckman, Canberra**

Experiment, Theory, Modelling – just ask Gustavo

17.20 – 17.50 **Gustavo Garcia, Madrid**

Time JST	THURSDAY August 7	FRIDAY August 8	SATURDAY August 9	SUNDAY August 10
8 AM		Opening (Room A) M. Tachikawa In Memoriam, S.Buckman, Chair: Y. Nagashima	Plenary Session (Room A) PL2 M. Varella Chair: M. Tachikawa	Plenary Session (Room A) PL4 Y. Sentoku Chair: Y. Nagata
9 AM		Plenary Session (Room A) PL1 A. Orel Chair: J. Gorfinkel	Joint Session (Room A) J6 F. Kossoski J7 N. Sisourat Chair: R. Čurík	Joint Session (Room A) J11 A. Deller Chair: Y. Nagata
10 AM		Joint Session (Room A) J1 S. Dujko J2 K. Michishio Chair: S. Buckman		
11 AM		Electron Session (Room A) E1 A. I. L. Martinez E2 V. Prabhudesai E-HT1 J. Fedor E-HT2D. L. Sigau Chair: D. Maric	Positron Session (Room B) P1 A. Reyes P2 S. W. Quintanilla P3 S. Ghosh Chair: T. Yamashita	Electron Session (Room A) E3 B. Kocábková E-HT8 D. Hvizdos E-HT9 H. Umer E-HT10 R. Čurík Chair: K. Satoh
12 PM			Positron Session (Room B) P4 Y. Nagata P-HT6 R. Mikami P-HT7 R. Ahmed P-HT8 E. E. Javary Chair: A. Ishida	Joint Session (Room A) J12 G. Boyle J13 S. Deniff Chair: S. Ptasinska
1 PM		Lunch	Lunch	Closing
2 PM		Joint Session (Room A) J3 C. Greene J4 A. C. Mathad J5 M. Cizek Chair: H. Tanuma	Plenary Session (Room A) PL3 S. Ptasinska Chair: P. Limão-Vieira	
3 PM			Group photo	
4 PM		Electron Session (Room A) E-HT3 P. Limão-Vieira E-HT4 M. Rankovc E-HT5 Y. Endo E-HT6 G. Das E-HT7 D. B. Debes Chair: M. Kitajima	Positron Session (Room B) P-HT1 D. Yoshida P-HT2 T.Yamashita P-HT3 N. Kamiya P-HT4 A. Barbosa P-HT5 J. Machacek Chair: K. Michishio	Electron Session (Room A) E4 D. Muccignat E-HT11 S. Kawaguchi E-HT12 M. Hoshino Chair: Y. Sakai
5 PM			Positron Session (Room B) P5 D. Murtagh P-HT9 M. Nobuoka P-HT10 A. Ishida Chair: K. Wada	Joint Session (Room A) J8 M. Mendes (on-line) J9 G. Gribakin J10 P. Comini Chair: D. Fursa
6 PM	Registration & Welcome Reception	Japanese Tea Ceremony		Gustavo Garcia's workshop (Room B)
7 PM		Poster Session (Room A)	Conference Dinner	
8 PM				