

**XV** Young Researchers in  
Conference Atomic and Molecular Physics

# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Alexandre Blanco-González**

has attended and delivered an **Oral** presentation with the title  
“*Looking for the Good Vibrations: Tuning Focused Ultrasounds for Lipid Membrane Therapy*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



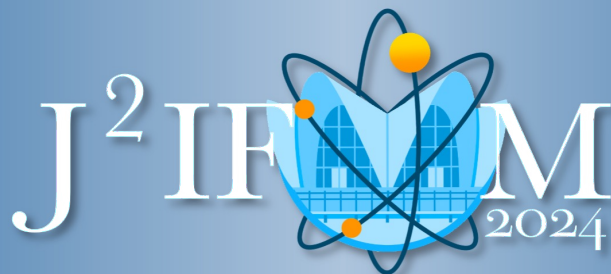
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y Molecular



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**XV** Young Researchers in  
Conference Atomic and Molecular Physics

# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Alberto Fernández Alarcón**

has attended and delivered an **Oral** presentation with the title “*A real space study of the hydrogen bond*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



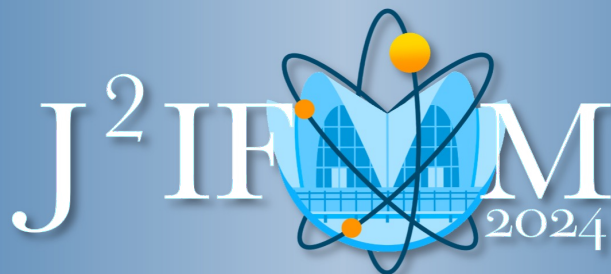
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Alberto Martín Santa Daría**

has attended and delivered an **Oral** presentation with the title  
*“Simulating the photofragmentation of cyclobutanone using non-adiabatic dynamics methods”* at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



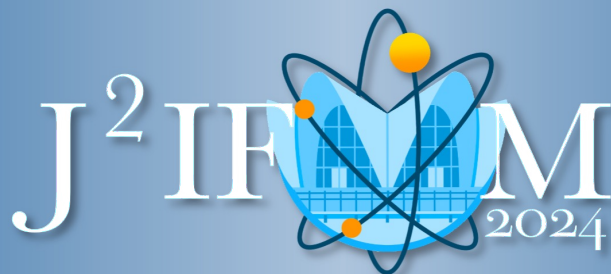
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Anzhela Veselinova Marinova**

has attended and delivered an **Oral** presentation with the title  
“*Change in the  $\Delta$ -doublet population due to dynamical effects: the  
 $O(3P) + D_2 \rightarrow OD(2\pi) + H$  reaction*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



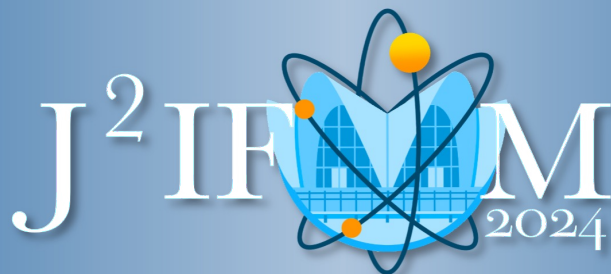
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Daniel Félix González**

has attended and delivered an **Oral** presentation with the title “*Time Independent Close-Coupling Approach to Non-Reactive  $H_3^+ + H$  Collisions*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



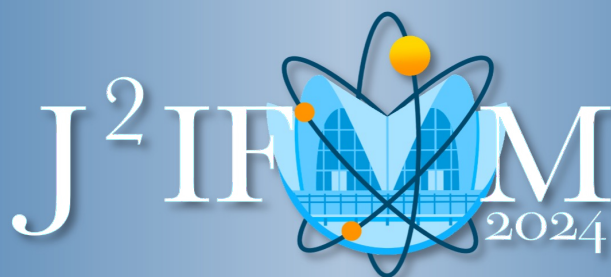
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Francisco Javier Ortín Fernández**

has attended and delivered an **Oral** presentation with the title “*DNA distortion mechanisms of novel cisplatin-ferrocene derivatives: predicting cancer drugs cytotoxicity through molecular dynamics simulations*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



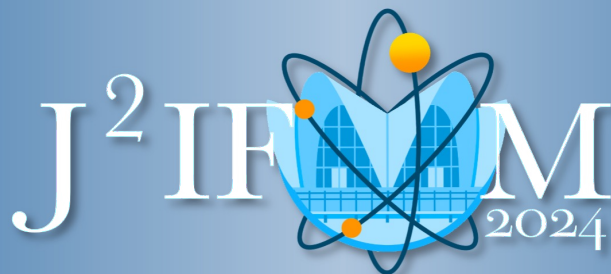
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

## Gonzalo Rivero Carracedo

has attended and delivered an **Oral** presentation with the title  
“*Molecular/2D hybrid heterostructures for magnonic applications*” at  
the 15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



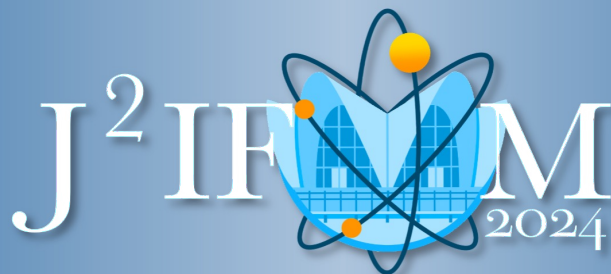
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Jorge Alonso de la Fuente**

has attended and delivered an **Oral** presentation with the title  
“*Theoretical Spectroscopic study of PH<sup>+</sup>*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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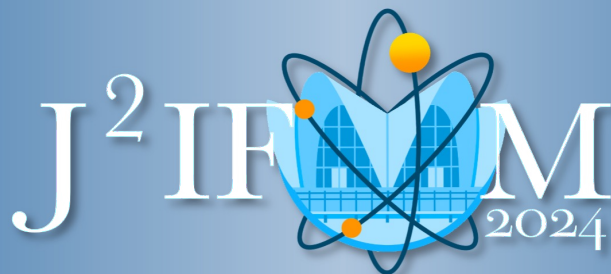


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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Javier Domínguez Calvo**

has attended and delivered an **Oral** presentation with the title “*An unexpected problem of astrochemical significance and a healing strategy*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



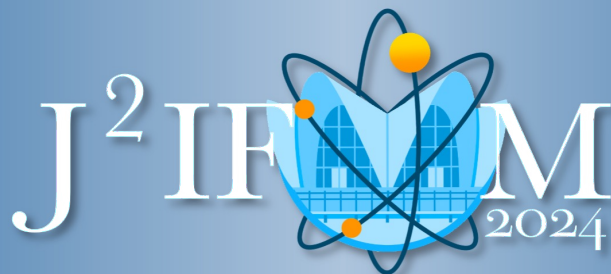
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Juan Manuel García Garrido**

has attended and delivered an **Oral** presentation with the title  
“*Rovibrational dynamics of Rb2 in a high intensity optical centrifuge*”  
at the 15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



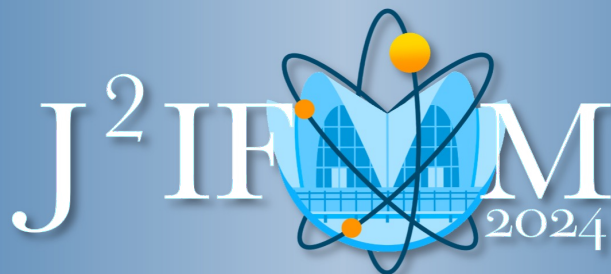
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Juan Antonio Soler**

has attended and delivered an **Oral** presentation with the title “*In vitro study of the phototoxic potential and photosensitizing properties of a topical retinoid*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



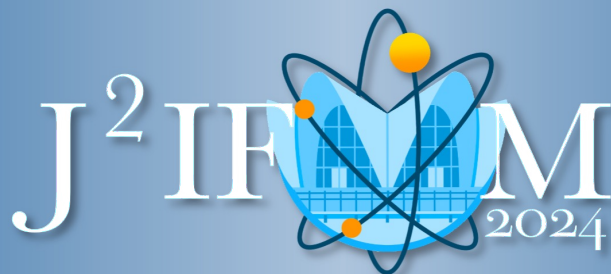
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Miguel Gallegos González**

has attended and delivered an **Oral** presentation with the title “*A Gaussian Mixture Model Approach for the Automated Construction of Chemical Features*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



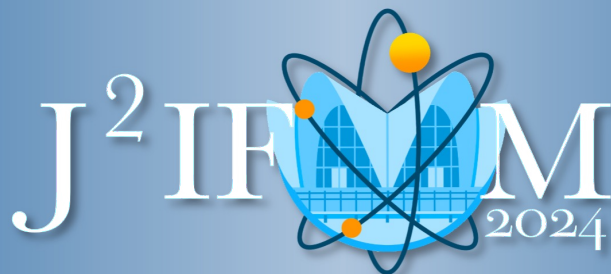
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Markel Ylla**

has attended and delivered an **Oral** presentation with the title  
“*Development of correlation indicators*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



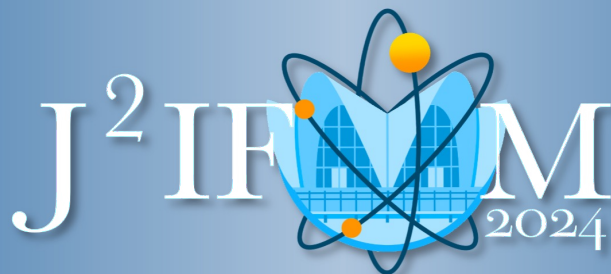
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Parmenio Boronat Sevilla**

has attended and delivered an **Oral** presentation with the title “*Dynamic evolution of surface states under illumination in single crystal perovskites*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



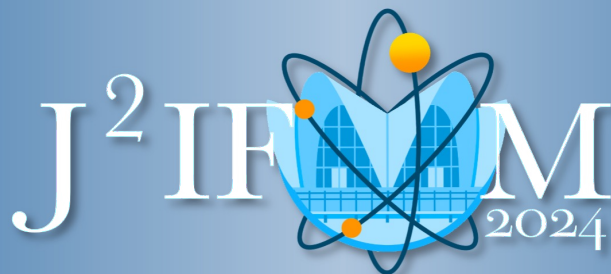
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Shivam Gupta**

has attended and delivered an **Oral** presentation with the title  
“*Fusion Plasma Diagnostic Driven EUV Spectral Analysis of Ionized  
Kr Gas Atom*” at the 15th Young Researchers in Atomic and  
Molecular Physics Conference, held in the Institute of Molecular  
Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



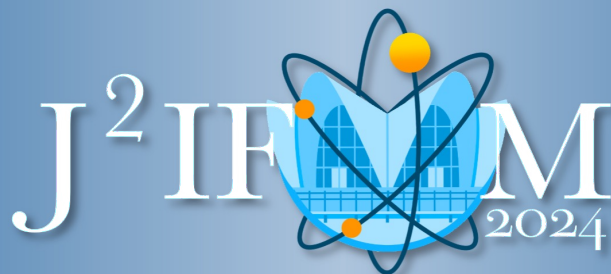
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Víctor Camús Hernández**

has attended and delivered an **Oral** presentation with the title  
“*Graphene oxide reduction through the change on its nanoscale properties*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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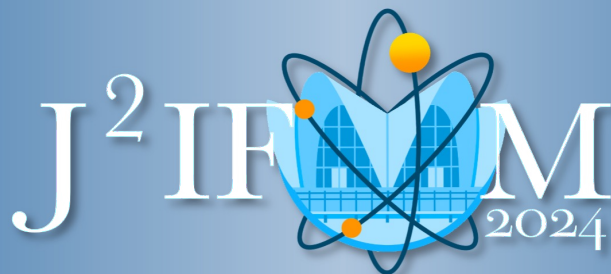


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The organizing committee certifies that,

**Alejandro Cortés Villena**

has attended and delivered an **Oral** presentation with the title  
“*Tuning the emissive properties of push-pull systems via the restricted  
torsion of N,N-disubstituted amino moieties*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



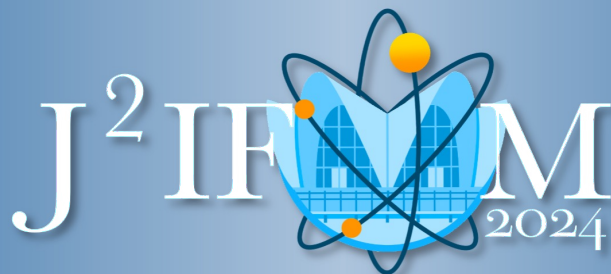
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Andrea Lázaró Gómez**

has attended and delivered an **Oral** presentation with the title  
“*Exploration of New Tri-biphenylamine-Based Systems for Sensing  
G-quadruplex DNA: A Biophysical and Computational Study*” at the  
15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



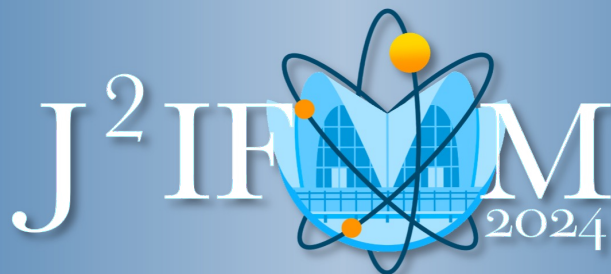
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Álex Pérez-Sánchez**

has attended and delivered an **Oral** presentation with the title  
*“Understanding COX-2 for the Design of New Cancer Drugs:  
Computational Study with Specific Photochromic Compounds”* at the  
15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



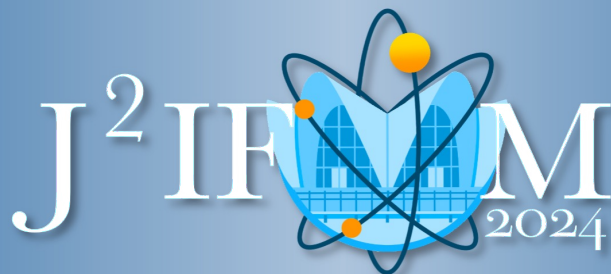
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Benedito Donizeti Botan Neto**

has attended and delivered an **Oral** presentation with the title  
“*Exploring the structural stability of hydrated potassium carbonate at  
high pressure and high-temperature conditions*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



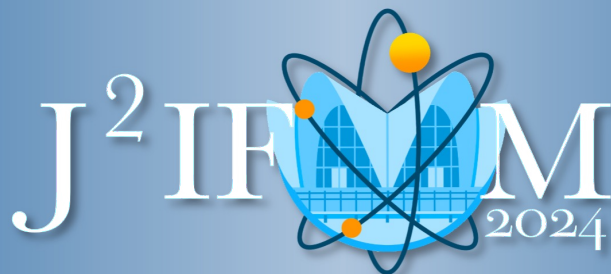
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Domingo Heras Elvira**

has attended and delivered an **Oral** presentation with the title “*Molecular insights into zileuton: An asthma treatment drug revisited by rotational spectroscopy*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



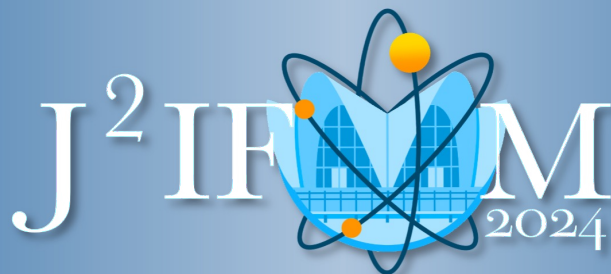
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Fabian Kellerer**

has attended and delivered an **Oral** presentation with the title  
“*NEXT: A Search for the Neutrinoless Double Beta Decay*” at the  
15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



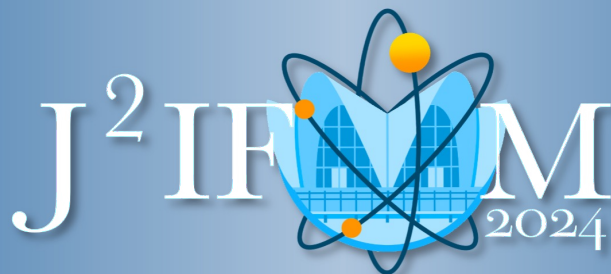
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Gema Raposo-Hernández**

has attended and delivered an **Oral** presentation with the title “*The Electronic Absorption Spectra of Ce(III) aqueous solution: A theoretical study including average statistical ingredients*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



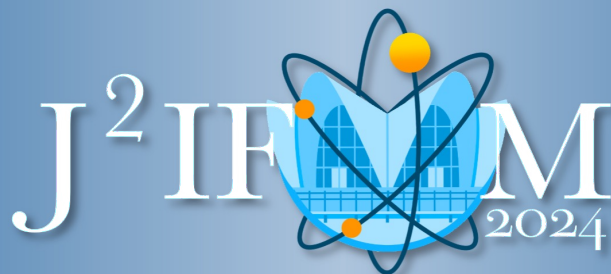
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The organizing committee certifies that,

**Julia Arnanz Sebastián**

has attended and delivered an **Oral** presentation with the title  
*“Sunbathing with the enemy theoretical assessment of the photostability of p-aminobenzoic acid”* at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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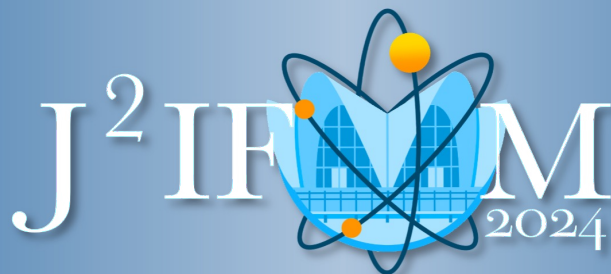


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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Javier Hernández Rodríguez**

has attended and delivered an **Oral** presentation with the title “*A step towards quantum dynamics in tetraphenylpyrazine molecular crystals*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



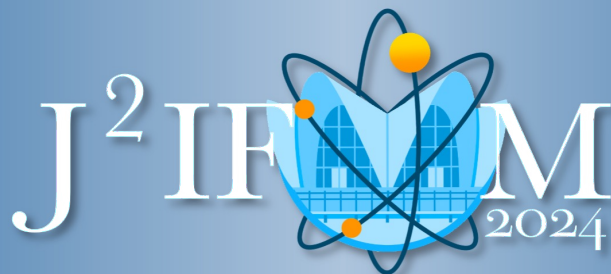
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**José Ricardo Morán Cabezas**

has attended and delivered an **Oral** presentation with the title  
“*Oxidation product analysis of an  $\alpha$ -pinene discharge by microwave spectroscopy*” at the 15th Young Researchers in Atomic and  
Molecular Physics Conference, held in the Institute of Molecular  
Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



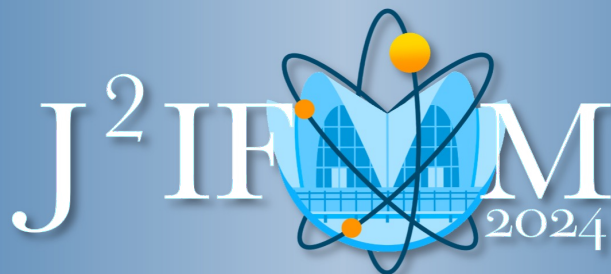
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Lorena Ruano de Domingo**

has attended and delivered an **Oral** presentation with the title  
“*Computational Characterization of the Toxicity Mechanism of  
Dioxins: Membrane Permeation and Binding to the AhR Protein*” at  
the 15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



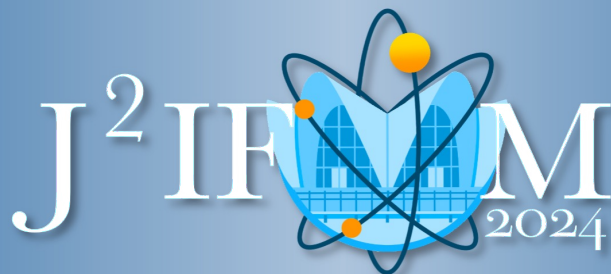
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Marta Ibáñez Delius**

has attended and delivered an **Oral** presentation with the title  
“*Photophysical exploration of monomeric and dimeric canonical nucleobase derivatives*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



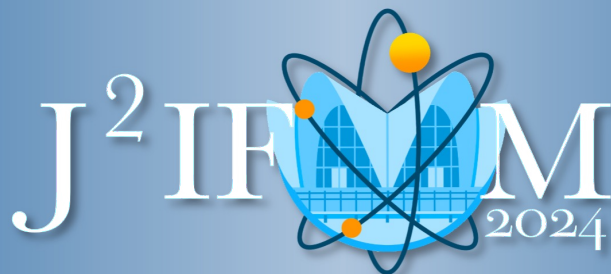
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**XV** Young Researchers in  
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Nayara Carral Sainz**

has attended and delivered an **Oral** presentation with the title  
“*Building tight-binding models for second-principles simulations  
employing finite differences in real-space*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



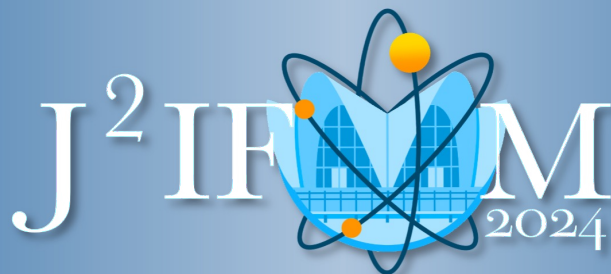
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Pablo Botella Vives**

has attended and delivered an **Oral** presentation with the title “*A high-pressure study on the effects of pressure-transmitting media on  $Bi_{14}MoO_{24}$  and  $Bi_{14}CrO_{24}$  compounds*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



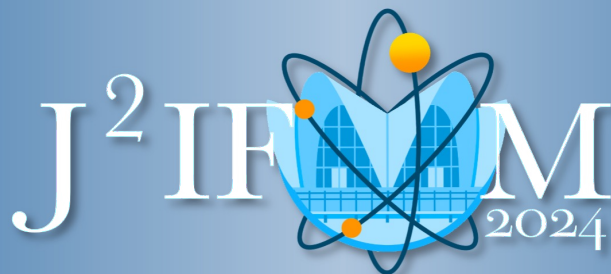
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Sergio Mato Domínguez**

has attended and delivered an **Oral** presentation with the title  
“*Extending the Laboratory Measurements of 2-Aminooxazole by  
means of Millimeter Wave Spectroscopy*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



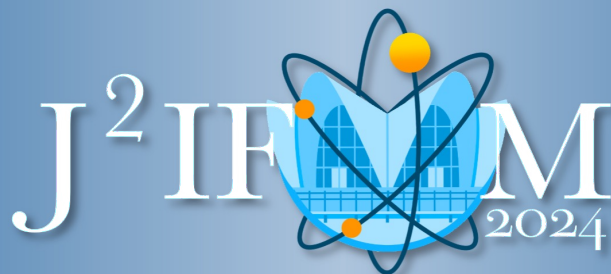
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Anargyros Drolapas**

has attended and delivered an **Oral** presentation with the title “*DNA-grafted Metal-organic Frameworks: The key parameters for robust synthesis of stable nano-formulations*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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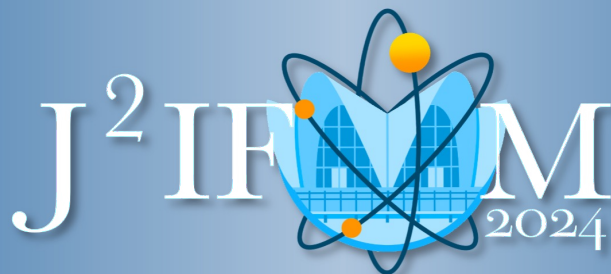


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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Alberto M. Ruiz**

has attended and delivered an **Oral** presentation with the title  
“*Tailoring magnetism in low-dimensional materials*” at the 15th  
Young Researchers in Atomic and Molecular Physics Conference, held  
in the Institute of Molecular Science from February 21st to February  
23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



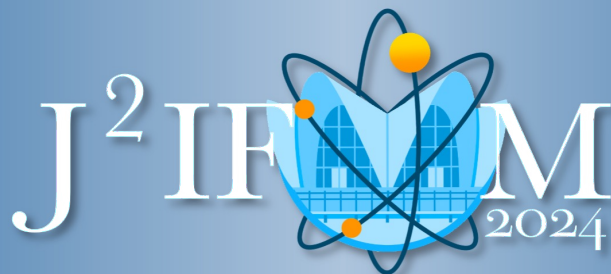
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Aman Ullah**

has attended and delivered an **Oral** presentation with the title  
“*Coherent manipulation of spin information in molecular  
nanomagnets for quantum computing applications*” at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



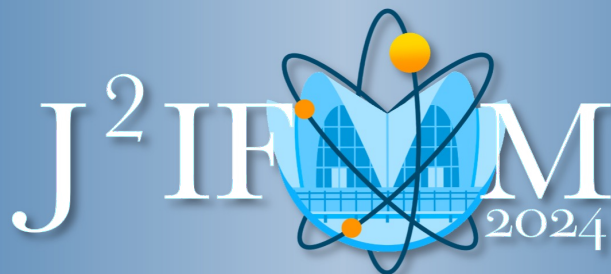
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Carlos García Arcos**

has attended and delivered an **Oral** presentation with the title “*Geometrical optimization in fast photodissociation dynamics: the role of momentum*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



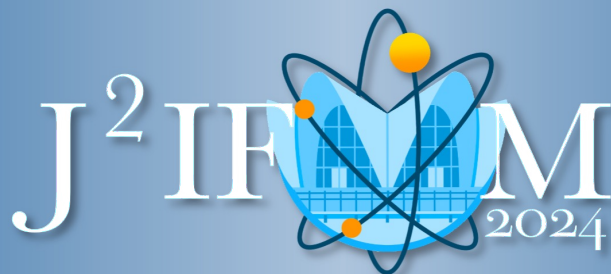
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Edward Binns**

has attended and delivered an **Oral** presentation with the title  
“*Driving and Imaging Achiral-to-Chiral Transitions in an All-Optical Setup*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



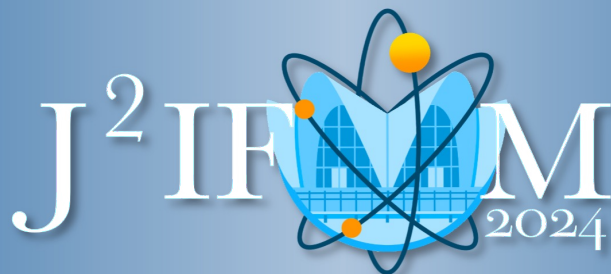
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Gerliz Mercedes Gutiérrez Finol**

has attended and delivered an **Oral** presentation with the title  
“*STOSS: A stochastic spin simulator for molecular nanomagnets*”  
at the 15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



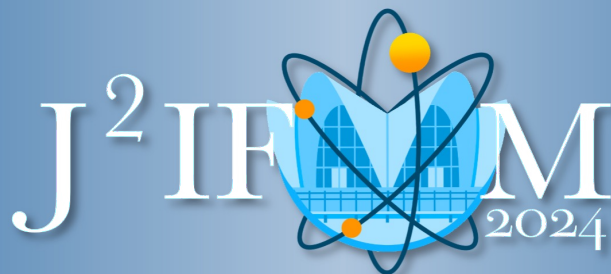
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Henar Mateo de la Fuente**

has attended and delivered an **Oral** presentation with the title  
“*Oxyluciferin Emitters Force Field Parameterization for Ground and  
Excited-State Dynamics*” at the 15th Young Researchers in Atomic  
and Molecular Physics Conference, held in the Institute of Molecular  
Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



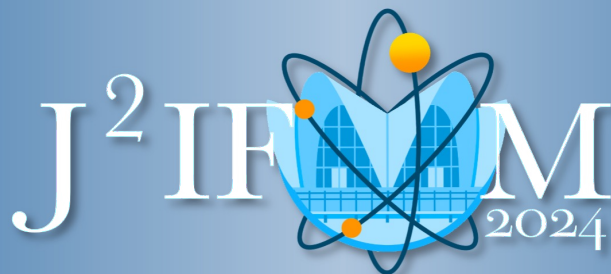
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Jesús Cerdá Calatayud**

has attended and delivered an **Oral** presentation with the title “*The interplay of charge-transfer states in enhancing exciton diffusion*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



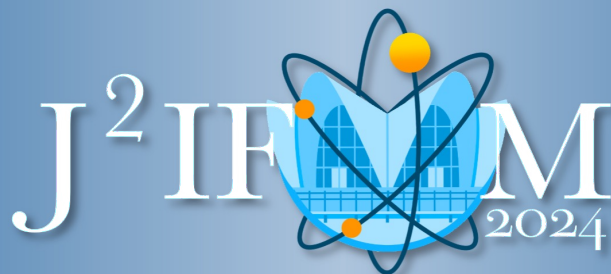
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Jesús Lucía Tamudo**

has attended and delivered an **Oral** presentation with the title  
“*Electronic excitation and ultrafast charge transfer in nitrothiophenol molecules adsorbed on a gold surface*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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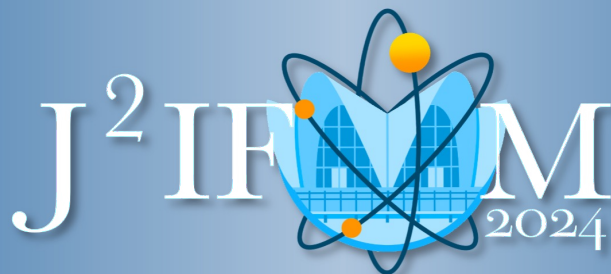


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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Joshua Vogwell**

has attended and delivered an **Oral** presentation with the title  
*“Ultrafast, all-optical, and highly efficient imaging of molecular  
chirality via low-order nonlinear interactions”* at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

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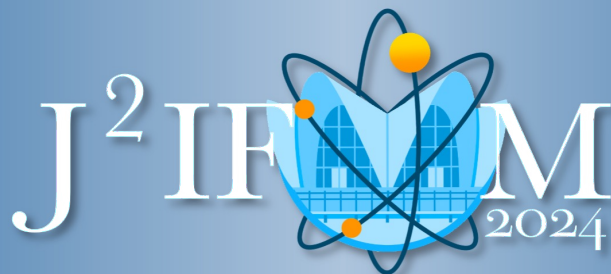
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Lucía López Pacios**

has attended and delivered an **Oral** presentation with the title  
*“Binding and photoisomerization of trans and cis DAD in the NaV1.5 channel”* at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



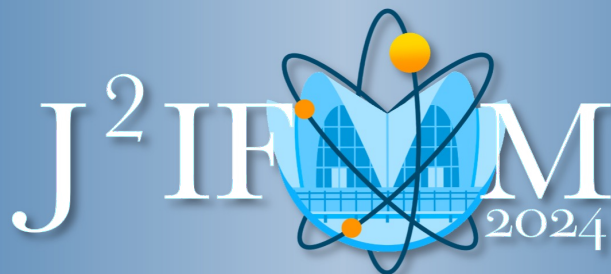
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Maxime Sauvan**

has attended and delivered an **Oral** presentation with the title  
“*Characterization of Monomeric, Dimeric and Trimeric Zn (II) Phenanthroline Photosensitizers by X-ray Absorption Spectroscopy and Time-Resolved XAS*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

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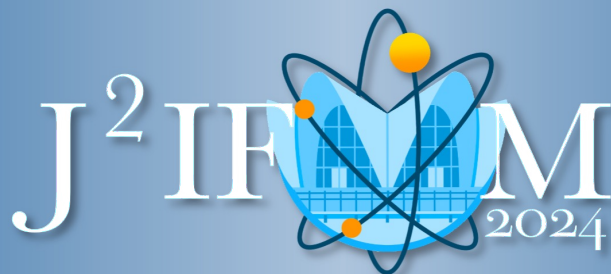
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Nadia El Alouani-Dahmouni**

has attended and delivered an **Oral** presentation with the title  
*“Solvatotuning of the slow magnetic relaxation through a  
single-crystal-to-single-crystal transformation in pentanuclear  
gadolinium(III)-nickel(II) molecular nanomagnets”* at the 15th Young  
Researchers in Atomic and Molecular Physics Conference, held in the  
Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Pablo García-Aznar**

has attended and delivered an **Oral** presentation with the title  
“*MXenes as heterogeneous catalysts. Computational insight into the regioselective anti-Markonikov hydroamination of terminal alkynes*”  
at the 15th Young Researchers in Atomic and Molecular Physics  
Conference, held in the Institute of Molecular Science from February  
21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



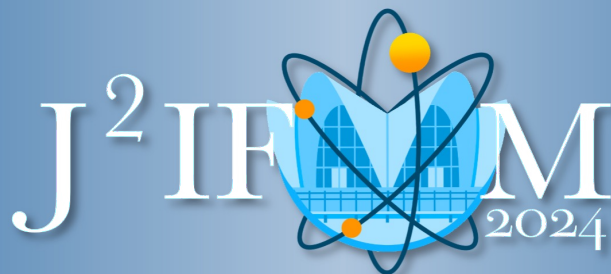
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# CERTIFICATE OF ATTENDANCE

The organizing committee certifies that,

**Toraya Fernández Ruiz**

has attended and delivered an **Oral** presentation with the title  
“*Many-body modelling of vibronic coupling problem in crystals displaying degenerate electronic states*” at the 15th Young Researchers in Atomic and Molecular Physics Conference, held in the Institute of Molecular Science from February 21st to February 23rd.

Javier Carmona García

Valencia, Spain, 23rd February 2024.



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