



Fifth International Workshop on State of the Art in Nuclear Cluster Physics

June 10-14, 2024, Hvar Island, Croatia

STATE OF THE ART IN NUCLEAR CLUSTER PHYSICS 5 Hvar, Croatia June 10-14, 2024

General Information

We are pleased to announce the fifth international workshop on “State of the Art in Nuclear Cluster Physics”. The workshop will be held at the Amfora Beach Resort, Hvar, Croatia, from June 10th to 14th, 2024. The previous workshops of the series were held in Strasbourg (2008), Brussels (2010), Yokohama (2014) and Galveston (2018). The workshop series is dedicated to review the present status and to discuss future prospects of nuclear cluster physics. The conference is jointly organized by the Faculty of Science, University of Zagreb and Ruđer Bošković Institute.

The program will consist of invited and contributed presentations, along with poster sessions.

Topics of the Conference

- Cluster structure and many-body correlations in stable and unstable nuclei
- Clustering aspects of nuclear reactions and resonances
- Alpha condensate and analogy with condensed matter approaches
- Role of tensor force in cluster physics and ab initio approaches
- Clustering in hypernuclei
- Nucleon-nucleon correlations
- Nuclear fission, superheavy nuclei, and cluster decay
- Nuclear clusters in nuclear astrophysics
- Clustering in nuclear matter and neutron stars
- Clustering in hadron and atomic physics

Workshop Site

SOTANCP5 will take place at Amfora Beach Resort located on the beautiful and secluded island of Hvar, Croatia.

The resort is situated a ten-minute walk from the historic town of Hvar and will provide an ideal environment for intense scientific interactions and networking.

Hvar Town unfolds its diverse charms, combining historical significance, cultural experiences, and modern pleasures. Nestled on the stunning island bearing its name, Hvar Town stands as one of the true gems of Croatian tourism. This picturesque town is the largest settlement on Hvar Island, boasting a rich cultural heritage and captivating architecture that echoes the grandeur of its past.

Registration and Abstract submission

- ***Abstract Submission and Early Registration: Opens December 15, 2023, on the workshop website: <http://sotancp5.irb.hr/>***
- *Registration fee:*
 - Early Bird: 550 euro
 - Regular: 700 euro
 - Student: 400 euro
 - Accompanying Person: 250 euro
- *Important dates:*
 - Abstract submissions open: December 15, 2023
 - Deadline for abstract submission: February 1, 2024
 - Notification to contributors: March 2024

 - Early bird registration deadline: April 10, 2024
 - Final registration deadline: May 10, 2024

Social events

- Welcome cocktail: Sunday, June 9, 2024, at Amfora Hotel.
- Social Dinner: Wednesday, June 12, 2024.
- A boat excursion around the Paklinski Islands is scheduled for the afternoon of Thursday, June 13, 2024. To secure your spot, kindly select the option available on the conference web page (*included in the Upgraded registration fee*).

Proceedings

The proceedings for all poster and oral presentations will be published in *EPJ Web of Conferences*.

Contact Information

If you have questions, please contact the organizers at sotancp5@irb.hr

International Advisory Committee

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