

Highlights in Heavy-Ion Physics  
A Symposium in Honour of Nikola Cindro  
September 22-24, 2011, Split, Croatia

## **Programme**

# Thursday, 22nd of September

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9:15 - 9:45 Zvonko Kusić, The President of Croatian Academy of Sciences and Arts  
Zoran Basrak, Symposium chairman  
**Welcome address**

9:45 - 10:30 Walter Greiner  
**There are no black holes - Pseudo-Complex General Relativity From Einstein to Zweistein**

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10:30 - 11:00 Coffee break

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11:00 - 11:30 Dinko Počanić  
**From heavy ion resonances to Standard Model tests: a lifetime in subatomic physics of an apprentice of Nikola Cindro**

11:30 - 12:00 Florent Haas  
**The  $^{12}\text{C} + ^{12}\text{C}$  Saga from the Hvar Conference in 1977 to the Split Symposium Today**

12:00 - 12:30 Matko Milin  
**Clustering in light nuclei - recent results by Zagreb group**

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12:30 - 15:00 Lunch break

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15:00 - 15:30 Brian Fulton  
**Recent nuclear astrophysics at the TRIUMF laboratory**

15:30 - 16:00 Nils Paar  
**Relationships between new observables and properties of finite nuclei and nuclear matter**

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16:00 - 16:30 Coffee break

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16:30 - 17:00 Radu Alexandru Poenariu-Gherghescu  
**Pairing interaction in nuclear binary systems**

17:00 - 17:30 Matej Lipoglavšek  
**Electron screening in nickel**

17:30 - 18:00 Ivo Šlaus  
**Nuclear physics in Croatia & Nikola**

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20:00 - 22:00 Banquet

## Friday, 23rd of September

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9:15 - 10:00 Werner Scheid  
**What is true: Melting of nuclei or transfer of nucleons in the production of super-heavy nuclei?**

10:00 - 10:30 Wolfgang Trautmann  
**The symmetry energy at high density: new experimental results**

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10:30 - 11:00 Coffee break

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11:00 - 11:30 Abdelouahad Chbihi  
**Nuclear EOS at low density**

11:30 - 12:00 Dorin M.S. Poenariu  
**Extensions of fission theory of nuclear cluster decay**

12:00 - 12:30 Olaf Hartmann  
**FOPI and the physics of strangeness**

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12:30 - 15:00 Lunch break

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15:00 - 15:30 Ivica Puljak  
**Higgs boson search with the CMS detector**

15:30 - 16:00 Damir Lelas  
**A snapshot of recent results from the CMS detector**

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16:00 - 16:30 Coffee break

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16:30 - 17:00 Neven Soić  
**Zagreb initiative on research in nuclear astrophysics**

17:00 - 17:30 Tome Antičić  
**The future of experimental nuclear and particle physics in Zagreb**

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17:30 - 18:00 Closing of official program

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## Saturday, 24th of September

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Visit to Cindro family estate during morning hours