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EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the European Expert Committee NUPECC



Castello di Trento ("Trint"), watercolor 19.8 x 27.7, painted by A. Dürer on his way back from Venice (1495). British Museum,

Spontaneous and induced fission of very heavy and super-heavy nuclei

Trento, April 9-13, 2018

Main topics

Fission of very heavy and superheavy elements (fission modes, fission barriers and half-lives, fission fragment properties, competition with α -decay, fission dynamics), Fusion and quasifission competition, Production of superheavy elements, Radioactive Ion Beams in Fission Studies

Keynote participants

Y.Aritomo (*Kinki University, Osaka*), M.Block (*GSI, Darmstadt*), W.Brodziński (*NCBJ, Warsaw*), G.Chubarian (*Cyclotron Lab, Texas A & M*), R.Clark (*LBNL, Berkeley*), G. de Angelis (*Laboratori Nazionali di Legnaro*), S.N.Dmitriev (*JINR, Dubna*), R.A.Gherghescu (*IFIN-HH, Bucharest-Magurele*), J.Hamilton (*Vanderbilt University*), F.P.Heßberger (*GSI, Darmstadt*), S.Hofmann (*GSI, Darmstadt*), I.M.Itkis (*JINR, Dubna*), M.G.Itkis (*JINR, Dubna*), A.V.Karpov (*JINR, Dubna*), M.Kowal (*NCBJ, Warsaw*), E.M.Kozulin (*JINR, Dubna*), M. Lewitowicz (*GANIL, Caen*), P.Magierski (*Warsaw University*), Z.Matheson (*Michigan State University*), P.Möller (*LANL, Los Alamos*), K.Nishio (*JAEA, Tokai*), D.N.Poenaru (*IFIN-HH, Bucharest-Magurele*), G.Prete (*Laboratori Nazionali di Legnaro*), D.Regnier (*IPN - Orsay*), K.P. Rykaczewski (*ORNL, Oak Ridge*), G.Scamps (*University of Tsukuba*), J.Skalski (*NCBJ, Warsaw*), I.Silisteanu (*IFIN-HH, Bucharest-Magurele*), G.M.Ter-Akopyan (*JINR, Dubna*), D.Vretenar (*University of Zagreb*), C.Zachary (*Vanderbilt University*)

Organizers

Nicolae Carjan (*JINR Dubna & NIPNE-HH Bucharest*), Yuri Oganessian (*JINR Dubna*)
Emanuele Vardaci (*Università degli Studi di Napoli*)

Director of the ECT*: Professor Jochen Wambach (ECT*)

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