

UNEDF – related talks JPS/APS Joint Meeting

Tues. Oct. 13, 9:00am

Session 1WA: Workshop on Physics of Exotic Nuclei Kohala 1

12:00pm 1WA 7 – Betrulani – The continuum-discretized coupled-channels method applied to exotic nuclei

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Weds. Oct. 14 8pm

Session BL: Nuclear Reactions: Heavy Ions/Rare Isotope Beams I – Queens 6

8:00pm BL005 – Nobre – Inelastic and Transfer Couplings in Nucleon Induced Reactions

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Weds. Oct. 14 8pm

Session BM: Nuclear Theory I – Kings 1

9:00pm BM.00009 - Horoi - Predominance of Prolate Nuclear Deformations Emerging from Many-Body Interactions

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Thurs. Oct. 15 9am

Session CA: Correlations in Structure Up To and Beyond Bound Limits – Kona 5

9:00am CA0001 - Pieper - Ab initio calculations of ^{12}C and neutron drops

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Thurs. Oct. 15 9am

Session CG: Mini-Symposium on Nuclear Physics in Stars I – Kings 2

10:15am CG.00005 - Horoi - Breakup of proton-rich nuclei ^{24}Si and ^{23}Al at intermediate energies for reaction rates in explosive H-burning in novae and X-ray bursts

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Thurs. Oct. 15 9am

Session CH: Mini-Symposium on the Three-nucleon Force in Few-Body Scattering and Reactions I – Kings 3

10:15am CH00005 - Wiringa - Quantum Monte Carlo Calculations of Nucleon-Nucleus Scattering

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Thurs. Oct. 15 7pm

Session DH: Symposium on the Three-nucleon Force in Few-Body Scattering and Reactions - Kings 3

9:00pm DH.00008: Navratil - Applications of local chiral N^2LO three-nucleon interaction to nuclear structure and reactions

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Thurs. Oct. 15 7pm

Session DJ: Neutrinos I – Queens 4

9:00pm DJ.00009- Horoi - Shell model calculations of double-beta decay lifetimes of ^{48}Ca

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Thurs. Oct. 15 7pm

Session DL: Nuclear Reactions: Heavy-Ions Rare Isotope Beams II - Queens 6

9:30pm DHL.00010: Bertulani – Astrophysical S-factors from reactions with exotic nuclei.

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Thurs. Oct. 15 7pm

Session DM: Nuclear Theory II - Kings 1

7:30pm DM.00003 - Vary - [Ab initio no core results for light nuclei with realistic basis functions](#)

7:45pm DM.00004 - Abe - [{it Ab initio} no-core full configuration calculation of light nuclei by Monte Carlo shell model with JISP16 \$NN\$ interaction](#)

8:00pm [DM.00005 - Navratil - Toward the first ab initio description of the deuterium-tritium fusion](#)

8:30pm DM.00007- Stetcu – Time Dependent Density Functional Theory for Superfluid Nuclear Systems

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Fri. Oct. 16 9am

Session EM: Nuclear Theory III Kings I

10am EM00005 - Jurgenson - Evolution of Nuclear Many-Body Forces via the Similarity Renormalization Group

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Sat. Oct. 16 9am

Session KH: MiniSymposium on Direct Reactions Involving Unstable Nuclei I - Kings 3

9:00am KH00001 –Thompson – Overview of Reaction Theories to Probe Exotic Nuclear Structure

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Sat. Oct. 15 2:00pm

Session LF: Mini Symposium on Hadron Structure and QCD in High Energy Processes IV – Kohala 3 –

2:15pm LF.00002 Vary - [Basis function approach to Hamiltonian light front gauge theory](#)

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Sat. Oct. 16 2pm

Session LM: Nuclear Theory IV- Kings 1

2:00pm LM.00001- Horoi - Spin- and Parity-Dependent Shell Model Nuclear Level Densities for Medium-Mass Nuclei

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