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Session T3: Spectroscopy and Structure

Sponsoring Units: DCP

Chair: David Chandler, Sandia National Laboratories

Room: 107

Thursday, March 6, 2014 11:15AM - 11:27AM	T3.00001: Analysis of new and aged energetic residues using CO₂ enhanced Laser Induced Breakdown Spectroscopy Jorge Martinez , Charlemagne Akpovo , Staci Brown , Cleon Barnett , Dawn Lewis , Lewis Johnson
Thursday, March 6, 2014 11:27AM - 11:39AM	T3.00002: Measurement and Analysis of CN Violet System in Laser-Induced Plasma Sultan A. Behery , Christian G. Parigger
Thursday, March 6, 2014 11:39AM - 11:51AM	T3.00003: Spectroscopic Temperature and Number Density of Nitric Oxide in Laser-Induced Plasma Josef P. Fleischmann , Lauren D. Swafford , Michael J. Witte , David M. Surmick , Alexander C. Woods , Sultan A. Behery , Christian G. Parigger , James O. Hornkohl
Thursday, March 6, 2014 11:51AM - 12:03PM	T3.00004: Time-Resolved Aluminum Monoxide Emission Measurements in Laser-Induced Plasma David Surmick , Christian Parigger
Thursday, March 6, 2014 12:03PM - 12:15PM	T3.00005: Atomic hydrogen measurements in laser-induced plasma Lauren Swafford , Christian Parigger
Thursday, March 6, 2014 12:15PM - 12:27PM	T3.00006: Measurement and Analysis of Carbon Swan Emissions using Laser Induced Breakdown Spectroscopy Michael Witte , Christian Parigger
Thursday, March 6, 2014 12:27PM - 12:39PM	T3.00007: Molecular Spectroscopy of TiO in Laser-Induced Plasma Alexander C. Woods , Christian G. Parigger
Thursday, March 6, 2014 12:39PM - 12:51PM	T3.00008: Low-light-level Ladder-type Electromagnetically Induced Transparency and Two-photon Absorption Zong-Syun He , Chin-Chun Tsai , Hong-Ren Chen , Wei-Fu Chen , Jing-Yuan Su , Meng-Huang Sie , Jyun-Ya Ye
Thursday, March 6, 2014 12:51PM - 1:03PM	T3.00009: Three-body recombination of helium atoms from ultracold to thermal energies: classical trajectory vs. quantal calculations Jesus Perez-Rios , Steve Ragole , Jia Wang , Chris H. Greene
Thursday, March 6, 2014 1:03PM - 1:15PM	T3.00010: A Theoretical Study of Structural, Electronic and Vibrational Properties of Small Fluoride Clusters Kevin Waters , Ratnesh Pandey , Sandeep Nigam , Haiying He , Subhash Pingle , Avinash Pandey , Ravindra Pandey
Thursday, March 6, 2014 1:15PM - 1:27PM	T3.00011: On-the-fly ab initio semiclassical dynamics: Emission spectra of oligothiophenes Marius Wehrle , Miroslav Sulc , Jiri Vanicek
Thursday, March 6, 2014 1:27PM - 1:39PM	T3.00012: Molecular Geometry Determination by Atomic Force Microscopy Nikolaj Moll , Leo Gross , Bruno Schuler , Fabian Mohn , Alessandro Curioni , Gerhard Meyer
Thursday, March 6, 2014 1:39PM - 1:51PM	T3.00013: Loop vs ladder delay scanning protocols in multidimensional spectroscopy with entangled light Konstantin Dorfman , Shaul Mukamel

Thursday, March 6, 2014
1:51PM - 2:03PM

[T3.00014: Signatures of Dirac-Weyl fermions in long organic molecules](#)

Richard Korytar , Dimitra Xenioti , Peter Schmitteckert , Mebarek Alouani , Ferdinand Evers

Thursday, March 6, 2014
2:03PM - 2:15PM

[T3.00015: A spectroscopic study of graphene nanoribbon formation on gold](#)

Dean Cvetko , Arunabh Batra , Olgun Adak , Gregor Kladnik , Alberto Morgante , Latha Venkataraman