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on
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- 6a) S.M. Cybulski (Miami University), R.A. Kendall (Pacific Northwest National Lab), G. Chalasinski (University of Warsaw) and M.W. Severson and M.M. Szczesniak (Oakland University)
Ab initio study of the $Ar(^1S) - O_2(X^3 \Sigma_g^-)$ complex
- 6b) A.L.L. East (NRC, Ottawa)
Theoretical prediction of rovibronic intensities in the fluorescence excitation spectrum of toluene
- 7a) A.P. Hitchcock, I.G. Eustatiu, J.T. Francis and C.C. Turci (McMaster University)
Electron impact core excitation of molecules: Non dipole spectroscopy and generalized oscillator strengths
- 7b) K.M. Gough, J.R. Dwyer and T.J. Gawlik (University of Manitoba)
Ab initio Raman trace scattering parameters for CH and CC stretching vibrations in straight chain, cyclo- and bicycloalkanes, and propellanes
- 8a) E. Hackl, S. Kornilova and Y. Blagoi (National Academy of Sciences of Ukraine)
Influence of water activity on binding constants of biologically active metal ions interacting with DNA
- 8b) Z.J. Jakubek (NRC, Ottawa), Q. Hui and M. Takami (RIKEN, Japan)
Excitation dynamics of Ag in gaseous and liquid helium
- 9a) S.P. Goldman and J.A. Kempe (University of Western Ontario)
Accurate modified configuration interaction calculation on H_2^+
- 9b) R.M. Lees and L.-H. Xu (University of New Brunswick)
Our knowledge on Torsion-Vibration coupling of methanol in the fundamental region
- 10a) H.-P. Loock, A. Berces and B. Simard (NRC, Ottawa), C. Linton (University of New Brunswick)
Laser spectroscopy of the $A_1(^2\Pi) - X(^2\Sigma^+)$ Transition of Ytterbium Monoacetylide
- 10b) H.-P. Loock and B. Simard (NRC, Ottawa) and C. Linton (University of New Brunswick), S. Wallin and O. Launila (Stockholm University)
Photoionization efficiency spectroscopy of TiO, YO, ZrO, NbO and MoO
- 11a) U. Marvet, Q. Zhang, E. Brown, P. Gross and M. Dantus (Michigan State University)
Femtosecond studies of concerted elimination from gem - dihaloalkanes
- 11b) A.R.W. McKellar (NRC, Ottawa)
A cosmic complex: High resolution infrared spectrum and energy levels of the CO- H_2 Van der Waals complex
- 12a) N. Moazzen-Ahmadi (University of Lethbridge)
Infrared diode laser spectroscopy of CCO near 1950cm^{-1}

Invited talks are 45 min. including 5 min. for discussion

Contributed talks are 15 min. including 3 min. for discussion

- 12b) J.J. Neville , A. Hitchcock (McMaster University), A. Jurgensen and R.G. Cavelle, (University of Alberta)
Photoionization and photofragmentation spectroscopy of phosphorous compounds using synchrotron radiation and time-of-flight mass spectrometry
- 13a) J. Paci and D. Wardlaw (Queen's University, Kingston)
Strong field dissociation of HCl^+ - The calculation of kinetic energy distributions
- 13b) T. Parekunnel, T. Hirao, R.J. Le Roy and P.F. Bernath (University of Waterloo)
High Resolution IR spectra of DCI at high temperatures
- 14a) I. Pastirk, E.J. Brown, Q. Zhang and M. Dantus (Michigan State University)
Coherent control of the yield of chemical reactions
- 14b) J. Reho, C. Callegari, J. Higgins, K.K. Lehmann and G. Scoles (Princeton University)
Time-resolved spectroscopy of Na atoms and oligomers on the surface of He clusters
- 15a) Q. Gao, F.J. Morgan and C.M. Sadowski (York University)
State-to-state and total rotational energy transfer rate constants for $\text{CN}(B, V=0, N=11,13) + \text{Ne}$
- 15b) K. Higgins, I. Ho, and W. Klemperer (Harvard University)
Rg- ClF_3 Complexes: Further ab initio and experimental studies
- 16a) Y.J. Shi, X.K. Hu, D.M. Mao and R.H. Lipson (University of Western Ontario)
Qualitative and quantitative analysis of Xanthates by VUV laser/Time-of-flight mass spectrometry
- 16b) K. Takagi and F. Matsushima (Toyama University, Japan)
Rotational spectra of NeH^+ and NeD^+
- 17a) Q. Hui and M. Takami (RIKEN, Japan)
Phonon bands associated with narrow Eu atomic lines in liquid helium
- 17b) J. Miyawaki, K. Sugawara and H. Takeo (National Institute for Advanced Interdisciplinary Research, Japan)
Electronic Spectrum of AgNH_3
- 18a) J. Tang and T. Oka (University of Chicago)
Infrared spectrum of the η_1 fundamental band of H_3O^+
- 18b) R. Tanner and N.P.C. Westwood (University of Guelph)
Boron nitrogen compounds: Ab initio techniques and related spectroscopic results
- 19a) H. Wei and T. Carrington, Jr. (Université de Montréal)
Eckart frames and exact kinetic energy operators for triatomic and tetra-atomic molecules

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- 19b) E. White, J. Tang and T. Oka (University of Chicago)
Observation of the C-H stretch band of CH_5^+
- 20a) R.P. White and H.R. Mayne (University of New Hampshire)
Some recent advances in global minimization techniques for atomic and molecular clusters
- 20b) D.-S. Yang, M.Z. Zgierski and P.A. Hackett (NRC, Ottawa)
Structure of gaseous zirconium-ether complexes
- 21a) Y. Zhang and T. Oka (University of Chicago)
 $v=1$ exciton hopping in solid para-hydrogen
- 21b) D.S. Tonner and T.B. McMahon (University of Waterloo)
Energetic bottlenecks in the infrared multi-photon dissociation of gaseous ions under collision-free conditions
- 22a) M. Czajkowski and J. Koperski (University of Windsor)
Excitation and fluorescence spectra of ZnAr and ZnKr molecules
- 22b) J.D.D. Martin and J.W. Hepburn (University of Waterloo)
Electric Field induced dissociation of molecules in Rydberg-like highly vibrationally excited ion-pair states
- 23a) R.C. Shiell, M. Evans, S. Stimson, C.-W. Hsu, C.Y. Ng and J.W. Hepburn
(University of Waterloo and Iowa State University)
A high resolution study of correlation satellites in xenon
- 23b) A. Beatty, R.C. Shiell and J.W. Hepburn (University of Waterloo)
A photodissociation study of CS_2
- 24a) R.J. Le Roy (University of Waterloo)
Uncertainty, sensitivity, convergence and rounding in performing and reporting least-squares fits
- 24b) E. Bernard, B. Strazisar and H.F. Davis (Cornell University)
Excited state dynamics of H_2CN radicals
- 25a) P.A. Willis, H.U. Stauffer, R.Z. Hinrichs and H.F. Davis (Cornell University)
Crossed beams study of C-H bond activation: $Mo(^5S_2) + CH_4 \rightarrow MoCH_2 + H_2$
- 25b) A.K. Bertram and J.J. Sloan (University of Waterloo)
The Freezing of Nitric Acid Aerosols
- 26a) J. Reho, J. Higgins, M. Radcliffe, K.K. Lehmann and G. Scoles (Princeton University)
Non-adiabatic processes in the photodissociation of quartet state Na trimer

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