Poster Session

17:00-19:30 Friday, February 20

P-01 James S.M. Anderson (*RIKEN*)
"Breaking the curse of dimension for the electronic and nuclear structure Schrödinger equations"

P-02 Yoritaka Iwata (*University of Tokyo*)
"Neutrino potential for the large-scale shell model calculations of double-beta decay"

P-03 Takayuki Miyagi (*University of Tokyo*)
"Introduction of one-body correlation operator to unitary-model-operator approach"

P-04 Takahiro Mizusaki (*Senshu University*)
"Pfaffian approach for nuclear many-body calculations based on projected HFB states"

P-05 Tomoaki Togashi (*University of Tokyo*)
"Electric dipole transitions in medium-heavy nuclei described with Monte Carlo shell model"

P-06 Yusuke Tsunoda (*University of Tokyo*)
"Large-scale shell model calculations for structure of nuclei around Z=28"

P-07 Tooru Yoshida (*University of Tokyo*)
"Study of even-mass Be nuclei based on Monte Carlo shell model"

P-08 Carlos A. Jimenez-Hoyos (*Rice University*)
"Cluster mean-field method for strongly correlated fermionic systems"

P-09 Michio Katouda (*RIKEN*)
"Massively parallel RI-MP2 energy gradient algorithm for geometry optimization on petaflops supercomputers"

P-10 Kim Hyeon-Deuk (*Kyoto University*)
"Nuclear and electron wave packet molecular dynamics simulation for condensed hydrogens"

P-11 Yu-ya Ohnishi (*Kobe University*)
"Accurate calculation of ionization potential by explicitly correlated second-order Dyson equation"

P-12 Yuhki Ohtsuka (*Kobe University*)
"Model space quantum Monte Carlo method: Hybrid parallel implementation and some applications"

P-13 Hideo Sekino (*Toyohashi University of Technology*)
"Quantum dynamics in multiresolution multiwavelet sapce"

P-14 Masanori Tachikawa (*Yokohama City University*)
"First-principles calculation of positron-attached polyatomic molecules"

P-15 Takehiro Yonehara (*University of Tokyo*)
"Characterization of highly quasi-degenerated electronic states in non-adiabatic chemistry"

P-16 Ryoji Anzaki (*University of Tokyo*)
"Real-time stochastic quantization in scalar field theory "

P-17 Kenji Harada (*Kyoto University*)
"Quantum Monte Carlo study of quantum criticality on SO(N) bilinear-biquadratic chains"

P-18 Motoaki Hirayama (*AIST*)
"*Ab initio* study of Weyl node in tellurium and selenium "

P-19 Toshiki Horita (*University of Tokyo*)
"Analysis of the Ising model with long range interactions by combined Binder ratio"

P-20 Ryo Igarashi (*University of Tokyo*)
"Randomization in SVD for MPS/PEPS"

P-21 Yoshitomo Kamiya (*RIKEN*)
"Quantum Monte Carlo study of a 3D toric code with local perturbations"

P-22 Motoharu Kitatani (*University of Tokyo*)
"DMFT+FLEX approach to anisotropic pairing superconductivity"

P-23 Takashi Koretsune (*RIKEN*)
"First principles study of Dzyaloshinskii-Moriya interaction in chiral magnets"

P-24 Dai Kubota (*University of Tokyo*)
"Extension of cluster dynamical mean field theory by real space renormalization"

P-25 Ryo Maezono (*JAIST*)
"Excitons and Biexcitons in symmetric elecron-hole bilayers"

P-26 Hans-Georg Matuttis (*University of Electrocommunications*)
"Thoughts on sampling distributions with "negative probabilities" and the fermionic sign problem"

P-27 Takahiro Misawa (*University of Tokyo*)
"Application of many-variable variational Monte Carlo method to low-energy effective model for iron-based superconductors"

P-28 Satoshi Morita (*University of Tokyo*)
"Development of many-variable variational Monte Carlo method with quantum-number projections"

P-29 Kazuma Nakamura (*Kyushu Institute of Technology*)
"Recent progress in *ab initio* many-body perturbation theory for correlated materials"

P-30 Joji Nasu (*Tokyo Institute of Technology*)
"Quantum Monte Carlo study of Kitaev models"

P-31 Yusuke Nomura (*University of Tokyo*)
"Non-empirical calculation of superconducting transition temperature for C_{60} superconductors"

P-32 Masayuki Ochi (*RIKEN*)
"Band stuctures of 3*d* transition metal oxides calculated with the transcorrelated method"

P-33 Takahiro Ohgoe (*University of Tokyo*)
"Multi-variable variational Monte Carlo method for electron-phonon coupled systems"

P-34 Tsuyoshi Okubo (*University of Tokyo*)
"Ground state calculation of the generalized Kitaev-Heisenberg model using PEPS tensor network method"

P-35 Shiro Sakai (*RIKEN*)
"Cluster dynamical mean-field theory for real-frequency properties of cuprate high-T_c superconductors"

P-36 Hiroshi Shinaoka (*ETH Zürich*)
"Accuracy of downfolding based on the constrained random phase approximation"

P-37 Kazuya Shinjo (*Kyoto University*)
"Density-matrix renormalization group study of extended Kitaev-Heisenberg model"

P-38 Shigetoshi Sota (*RIKEN*)
"DMRG study of two-dimensional Hubbard models"

P-39 Nayuta Takemori (*Tokyo Institute of Technology*)
"R-DMFT study of the local correlation effects in quasi-periodic system"

P-40 Yasuhiro Yamada (*University of Tokyo*)
"Simulating long-term quantum dynamics -- Application to excitons in carbon-nanotube"

P-41 Youhei Yamaji (*University of Tokyo*)
"Excitation spectra and nonequilibrium dynamics for pump-probe photoexcitation of correlated electrons"

P-42 Hui-Hai Zhao (*University of Tokyo*)
"Coarse-graining tensor renormalization on finite periodic lattice"