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Session 1 (Chair: Hiroshi Shinaoka)

9:50-10:00 **Hiroshi Shinaoka**: Opening

10:00-10:30 (Invited-1) **Philipp Werner**: “Ab-initio GW+DMFT”

10:30-11:00 (Invited-2) **Aaram J. Kim**: “Symmetry-Restoring Homotopic Action for 2d Hubbard Model”

11:00-11:30: Coffee break

Session 2 (Chair:)

11:30-12:00 (Invited-3) **Yusuke Nomura**: “Quantum many-body solvers using artificial neural networks”

12:00-12:30 (Invited-4) **Tomoya Naito**: “A simple method of multi-body wave function using deep neural network”

12:30-12:50 (Contributed-1) **Ashish Joshi**: “Neural network quantum states and quantum skyrmions”

12:50-14:50: Lunch & discussion

Session 3 (Chair:)

14:50-15:20 (Invited-5) **Anna Kauch**: “Two-particle response using parquet equations”

15:20-15:50 (Invited-6) **Seung-Sup B. Lee**: “Multipoint correlation functions: spectral representation, numerical evaluation, and improved estimators”

15:50-16:10 (Contributed-2) **Niklas Witt**: “Coherence and pairing fluctuations in strongly correlated superconductors”

16:10-18:30: Poster & discussion

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Session 4 (Chair:)

9:30-10:00 (Invited-7) **Nobuyuki Yoshioka**: "Quantum advantage in condensed matter physics"

10:00-10:30 (Invited-8) **Taichi Kosugi**: "Advantage of imaginary-time evolution for first-quantized electronic systems"

10:30-10:50 (Contributed-3) **Koji Inui**: "Inverse Hamiltonian design of highly-entangled quantum systems using automatic differentiation"

10:50-11:20: Coffee break

Session 5 (Chair:)

11:20-11:50 (Invited-9) **Junya Otsuki**: "Multipolar susceptibilities within dynamical mean-field theory and its applications"

11:50-12:20 (Invited-10) **Shintaro Hoshino**: "Spin-orbital dynamics of localized electrons"

12:20-12:40 (Contributed-4) **Tran Duong Anh-Tai**: "Quantum Chaos in interacting Bose-Bose mixtures"

12:40-14:40: Lunch & discussion

Session 6 (Chair:)

14:40-15:10 (Invited-11) **Gang Li**: "Correlation and competing orders in low-dimensional systems"

15:10-15:40 (Invited-12) **Yoshi Kamiya**: "TBA"

15:40-16:00 (Contributed-5) **Ryosuke Akashi**: "Bragg intersection: A possible source of correlations in nearly uniform electron systems"

16:00 -16:30: Coffee break

Session 7 (Chair: Ryosuke Akashi)

16:30-17:00 (Invited-13) **Karsten Held**: "Dynamical vertex calculations for nickelate superconductors"

17:00-17:20 (Contributed-6) **Yuta Murakami**: "Quasi-equilibrium description of photo-doped Mott insulators"

17:20-17:25: **Ryosuke Akashi:** Closing