

88th OMEG-SSANP Workshop

AI (Quantum Computer, High Performance Computer, Machine Language) in Nuclear, Particle and Astrophysics

DATE : 2026년 6월 24일 (수) 10:00 - 18:00

VENUE : 숭실대학교 베어드홀 320호 (물리학과 세미나실)

Invited speakers and Timetable

10:30-11:00 Registration

11:00-12:00 이제근(숭실대): Understanding the Language of the Genome with AI

12:00-14:00 점심식사

14:00-14:40 최지영 (전남대): Decoding the Unseen: **An Experimental Physicist's Perspective** on AI, HPC, and Quantum in Neutrino and Medical Physics

14:40-15:20 박주빈(OMEG/숭실대): Observable-Driven Quantum Inverse Modeling for Nuclear Dynamics

15:20-16:00 이종완(IBS): Quantum encodings for three unitary fermions

16:00-16:30 Coffee Break

16:30-17:10 김동욱(IBS): Digital Quantum Simulation for the Spectroscopy of Quantum Field Theories

17:10-17:50 김장호(서울대): Quantum-Assisted Sampling for Strong Coupling Lattice QCD

17:50-18:30 최순철(IBS): Deep learning for nuclear masses in deformed relativistic Hartree-Bogoliubov theory in continuum