

# The 2025 International Workshop on the High Energy Circular Electron Positron Collider

Contribution ID: 23

Type: **Talk**

## Computational tools for the Future Colliders

*Saturday, 8 November 2025 09:50 (20 minutes)*

In this talk, I will present new computational methods for Monte Carlo simulations based on machine learning techniques, as well as data analysis approaches utilizing quantum computing. These developments are aimed at supporting future high-energy collider programs, including the planned SPPC, as an extension of the CEPC framework.

**Presenter:** PARK, Myeonghun

**Session Classification:** BSM

**Track Classification:** Physics: 10: Physics beyond the SM