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# Exploring High-Performance Computing Resources for Particle Physics: A Comprehensive Overview

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In this presentation, I will elucidate the diverse array of cutting-edge computing resources available for unrestricted use. Noteworthy examples include the BeoCat High-Performance Computing (HPC) system at Kansas State University, the formidable Pete Supercomputer at Oklahoma State University, and the highly efficient BeoShock HPC system at Wichita State University. These resources grant users access to both Central Processing Units (CPUs) and Graphics Processing Units (GPUs). One of the prevalent applications within the field of particle physics pertains to Monte Carlo simulations and the utilization of machine learning techniques.

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