

Production experience and performance study for HEP data production at HPC-Tianhell

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The mass Monte Carlo data production is the most CPU intensive process in the data analysis of for the high energy physics. The use of large scale computational resources at HPC in China is expected to increase substantially the cost-efficiency of the processing. Tianhell, the second fastest HPC in China, which used to ranks first in the TOP500. We report on the technical challenges and solutions adopted to migrate offline software to Tianhell, and on the experience and measured performance for mass production of COMET and BESIII experiment.

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