

## CSNS HPC Platform Based on SLURM

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China Spallation Neutron Source (CSNS) is a neutron source facility for studying neutron characteristics and exploring microstructure of matter, it will also serve as a high-level scientific research platform oriented to dimensional academic subjects. Scientific research on CSNS requires the support of a high-performance computing environment. So from the research and practice aspects, firstly, specific computational requirements of CSNS will be introduced in this report. Secondly, the design and practice of HPC platform are mainly demonstrated from the aspects of login system, job management system, storage system, network, etc. Finally, some future prospects of CSNS HPC platform are summarized in the ending of this paper.

### Desired length

20

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