

Network connectivity for WLCG: the LHCONE

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LHCONE (LHC Open Network Environment) is the network which will give dedicated bandwidth for LHC data transfer to Tier2s and Tier3s

Summary

The LHCOPN has been successfully distributing LHC data from CERN to the remote Tier1 centres across the globe. However, the increasing data volume and computational power requires an extended infrastructure to optimise the way data is made available to physicists at Tier2 and Tier3 centres. The LHCONE is a new network infrastructure built on the concept of Open Exchange Points and Interdomain Circuit Provisioning which will provide the LHC community with high bandwidth on a world-wide scale.

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