

Exploiting Switched Optical Lightpaths for the ATLAS Experiment

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The ESLEA (Exploitation of Switched Lightpaths for E-science Applications) project has been working to put switched optical lightpath technology to the service of key large scientific projects. Central to the activity is the provision of services to ATLAS experiment. The project is facing the practical problems of finding the best way of interfacing the power (but also the restrictions) of the technology to the ATLAS production and analysis service. The work has been using the UKLight lightpath infrastructure and the international links from UKLight via Netherlight to CERN. The focus is not only on the Tier-0 to Tier-1 traffic but also the considerable traffic between the Tier-1 and Tier-2 sites, and is moving to address the issues of a distributed Tier-2.

Summary

Optical lightpath technologies are being interfaced to the needs of ATLAS as part of the ESLEA project.

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