

HEP Bandwidth Roadmap for Major Links (in Gbps): US LHCNet Example

<i>Year</i>	<i>Production</i>	<i>Experimental</i>	<i>Remarks</i>
2001	0.155	0.622-2.5	SONET/SDH
2002	0.622	2.5	SONET/SDH DWDM; GigE Integ.
2003	2.5	10-20	DWDM; 1 + 10 GigE Integration
2005-6	10-20	2-10 X 10	λ Switch; λ Provisioning
2007-8	3-4 X 10	~ 10 X 10; 100 Gbps	1st Gen. λ Grids
2009-10	6-8 X 10	~ 20 X 10 or ~ 2 X 100	100 Gbps λ Switching
2011-12	~ 20 X 10 or 2 X 100	~ 10 X 100	2nd Gen λ Grids Terabit Networks
2013-5	\simTerabit	\simMultiTbps	\simFill One Fiber



Paralleled by ESnet Roadmap for Data Intensive Sciences