

NIKHEFTimeTable2006 < LCG < TWiki

-- HarryRenshall - 25 Jun 2007

Tier 1 NIKHEF-Amsterdam.	To provide 10% of ALICE July resources	To provide 12.5% of ATLAS resources	To provide 23% of LHCb resources	
Month	ALICE Requirements	ATLAS Requirements	LHCb Requirements (See LHCb070529.xls)	Tier 0 Requirements
March 2006				
April		Provide 134 KSi2K of cpu for MC event generation and 8 TB of disk and 20 TB of tape for MC data for this quarter	Provide 75 KSi2K of cpu for MC event generation	3rd to 16th CERN disk-disk at 150 MB/sec. 18th to 24th CERN disk-tape at 75MB/sec
May		Provide 134 KSi2K of cpu for MC event generation	Provide 75 KSi2K of cpu for MC event generation	CERN background disk-disk top up to 150 MB/sec
June		Provide 134 KSi2K of cpu for MC event generation. From 19 June to 7 July T0 to T1 tests take 41.6 MB/sec "Raw" to tape (rate to be reported), ESD at 26.0 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 87.6 MB/s). These data can be deleted after 24 hours	Get 5.3 MB/sec of "raw" data from CERN and store 5 TB on tape. Reconstruct and strip these data on 21.5 KSi2K of cpu. Provide 53.5 KSi2K of cpu for MC event generation with 2 TB to tape	CERN background disk-disk top up to 150 MB/sec
July	From 24 July to 6 August take 30 MB/s of raw and ESD data (10% of total) from CERN. These data can be deleted immediately.	Provide 145 KSi2K of cpu for MC event generation and 11 TB of disk and 27 TB of tape for MC data this quarter. "Raw" reconstruction setting up - stagein from tape using 1-2 drives	Get 5.3 MB/sec of "raw" data from CERN and store 5 TB on tape. Reconstruct and strip these data on 21.5 KSi2K of cpu. Provide 53.5 KSi2K of cpu for MC event generation with 2 TB to tape	CERN background disk-disk top up to 150 MB/sec
August	Continue the July export tests until the 30 MB/s rate has been reached for a sufficient period.	Provide 145 KSi2K of cpu for MC event generation. Two slots of 3 days of "raw" reconstruction - stagein from tape using 1-2 drives. Analysis tests - 20 MB/sec incoming - will include scalability tests and prefers to be only Atlas grid activity. Take 41.6 MB/sec "Raw" to tape (rate to be reported), ESD at 26.0 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 87.6 MB/s).	Analysis of reconstructed data. Provide 75 KSi2K of cpu for MC event generation with 2.5 TB to tape	CERN background disk-disk top up to 150 MB/sec

NIKHEFTimeTable2006 < LCG < TWiki

		These data can be deleted after 24 hours		
September	Scheduled analysis tests.	Provide 145 KSi2K of cpu for MC event generation. Take 41.6 MB/sec "Raw" to tape (rate to be reported), ESD at 26.0 MB/s to disk and AOD at 20 MB/s to disk from Tier 0 (total rate 87.6 MB/s). These data can be deleted after 24 hours	Provide 75 KSi2K of cpu for analysis of reconstructed data and MC event generation with an additional 2.5 TB to tape	CERN background disk-disk top up to 150 MB/sec.
October	Continue the data export tests until the 30 MB/s rate has been reached for a sufficient period. Scheduled analysis tests.	Reprocessing tests - 20 MB/sec incoming	Provide 235 KSi2K of cpu for reconstruction and analysis and MC event generation with an additional 1.4 TB of tape and 0.3 TB of disk.	CERN background disk-disk top up to 150MB/sec
November	Continue the data export tests until the 30 MB/s rate has been reached for a sufficient period. Scheduled analysis tests.	Provide 169 KSi2K of cpu and an additional 2.2 TB of permanent disk and 2.0 TB of temporary (till reconstruction is run) disk plus an additional 3.1 TB of permanent tape storage for MC event generation. Analysis tests - 20 MB/sec incoming at the same time as reprocessing continues	Provide 238 KSi2K of cpu for reconstruction and analysis and MC event generation with an additional 2.7 TB of tape and 0.9 TB of disk.	CERN background disk-disk top up to 150MB/sec

December | Continue the data export tests until the 30 MB/s rate has been reached for a sufficient period. Scheduled analysis tests. | Provide 169 KSi2K of cpu and an additional 2.2 TB of permanent disk and 2.0 TB of temporary (till reconstruction is run) disk plus an additional 3.1 TB of permanent tape storage for MC event generation. | Provide 384 KSi2K of cpu for reconstruction and analysis and MC event generation with an additional 4.2 TB of tape and 10.3 TB of disk. | CERN background disk-disk top up to 150MB/sec |

This topic: LCG > NIKHEFTimeTable2006
 Topic revision: r1 - 2007-06-25 - HarryRenshall



Copyright &© 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
 or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback