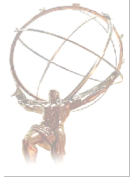

ATLAS MC-production in Russia

January-September 2006

MC-production in Russia

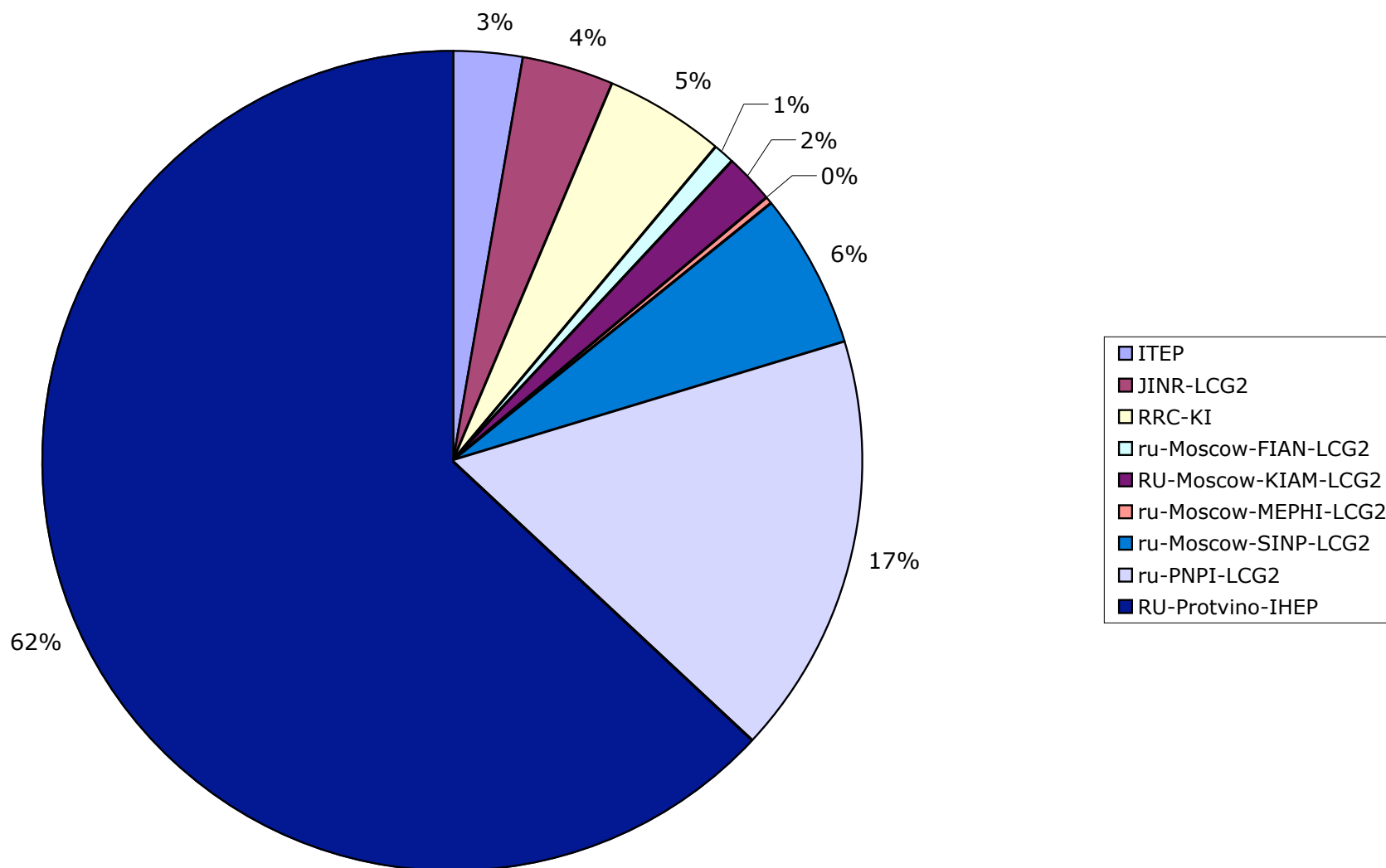


- ❑ From Grid Operation Center:
 - Wall Time: 24614 kSI2k-days
 - 42.7 % of Grid use in Russia (all VOs)
 - Number of jobs: 53803
 - 15.7% of total number of jobs

- ❑ From ATLAS production database
 - Wall time: 3504 kSI2k-days
 - Number of Jobs: 6330



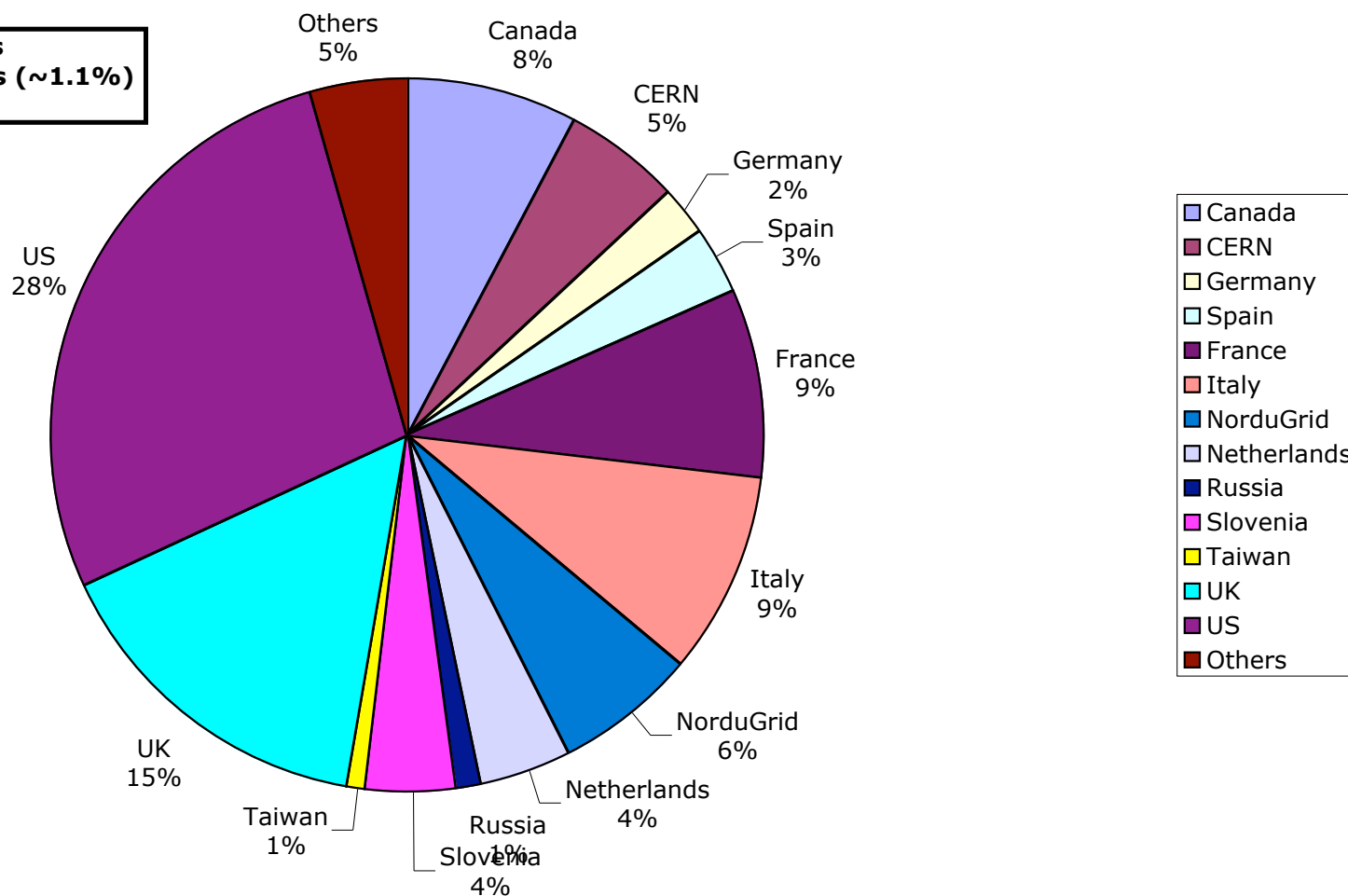
ATLAS production in Russia from Grid Operations Center





ATLAS Production (Jan-Sep 2006)

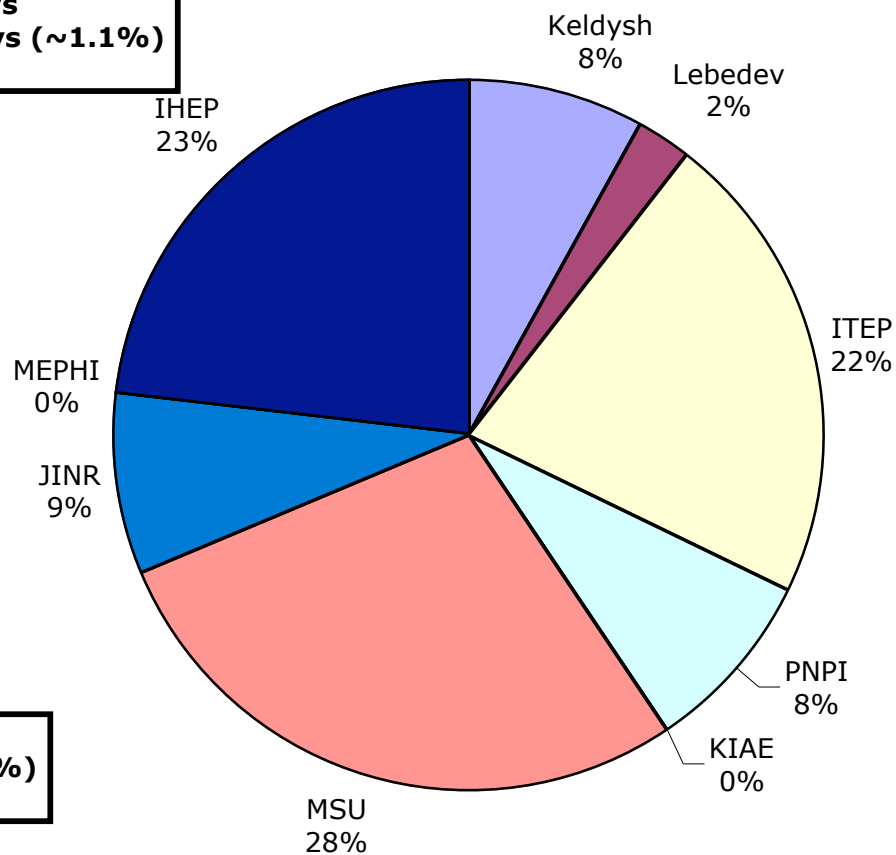
Total: 311000 kSI2k-days
Russia: 3504 kSI2k-days (~1.1%)





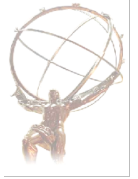
ATLAS production in Russia (Jan-Sep 2006)

Total: 311000 kSI2k-days
Russia: 3504 kSI2k-days (~1.1%)



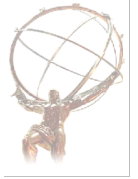
Total: 795000 Jobs
Russia: 6330 Jobs (~0.8%)

Forthcoming productions



- ❑ Assuming:
 - 60% of production is performed at Tier-2s
 - No inefficiency taken into account
 - CPU time needed per event
 - MC Simulation; 700 kSI2k.seconds
 - Digitization and Reconstruction: 40 kSI2k.seconds
 - Sizes per event
 - Hits: 2 MB
 - ESD: 1 MB
 - AOD: 0.1 MB
- ❑ Resources for 10 M events in 3 months, with no inefficiency
 - CPU: 3250 kSI2k.months
 - Hits: ~ 20 TB; ESD: ~ 10 TB; AOD~ 1 TB

Productions in Russia



- ❑ Assuming that
 - 40% performed at Tier-1s and 60% at Tier-2s
 - Russian Tier-2 is 7.3 % of full Tier-2 resources
- ❑ Data is produced at Tier-2 and replicated to associated Tier-1 (NIKHEF/SARA)

	Number of events (Million)	CPU Power kSi2k	CPU for 3 months kSI2k.months	T1D0 (Hits) TB	T1D1 (ESD) TB	TOD1 (AOD) TB
Q4-2006	20	95	285	1.8	0.9	0.1
Q1-2007	48	227	682	4.2	2.1	0.2
Q2-2007	96	455	1365	8.4	4.2	0.4