

- **GRID Tier2**: pledged resources 2014:
 - CPU: 7000 kHEP-Spec06
 - Storage Element (SE): 550 TB
- **Local resources (National Analysis Facility, NAF)** to serve the German ALICE community = **50 active users**
 - Effectively used: 30% of Prometheus farm, total of 2 PB

Until now: somewhat flexible sharing of resources between GRID and the local use. Local covers duties to experiment systems (TPC, TRD, HLT)

Soon: tend to ~1/4 of resources for GRID.

Total determined as ~20% of the ALICE full Tier2 = proportional to the German contribution to the ALICE CORE costs

20% of the ALICE Tier2 = numbers from the Helmholtz application (in preparation)

	2014	2015	2016	2017	2018	2019
CPU DESY (kHEP-Spec06)						
Disk DESY (Petabyte)						
CPU GSI (kHEP-Spec06)	38	40	48	54	65	78
Disk GSI (Petabyte)	3	5	6	7	8	9

Table 5: Requested resources (CPU in kHEPSpec06, disk in Petabyte) for the Tier-2 and National Analysis Centres at DESY and GSI.

ALICE total numbers approved at the CERN Computing Resource Board (April 2014)

- Currently:
 - About 1000 GRID jobs at all times (icarus)
 - Average of ~30% of prometheus farm (~3000 jobs)
 - Total disk space (SE + NAF): 2 Petabyte
- What is planned for 2014:
 - Reprocessing of all Run1 data → replace the current copy on hera, need some space/flexibility
 - Preparations for Run2: calibration of TPC with laser and krypton, campaign of cosmic data taking
→ data processed on the GRID must be copied to GSI for expert calibration

NEEDED VERY URGENTLY: ADDITIONAL 1 PB OF DISK (2014)

CPU RESOURCES ~OK IF CURRENT LEVEL CAN STAY

- What is planned for 2015:
 - Continuation of calibration and cosmic data taking
 - Start of Run2 in spring (high luminosity proton-proton first)
 - **HIGH LUMINOSITY Pb-Pb run (10 kHz) in Autumn**

NEEDED in 2015:
TOTAL OF 5 Petabytes
Relative 30% increase of CPU resources