

# Max-Planck-Institut für Astrophysik, Garching



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AFS-Zelle: [mpa-garching.mpg.de](mailto:mpa-garching.mpg.de)  
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## Datenvolumen

- ▶ 1689 AFS-Volumes in total (w/o backup volumes)
- ▶ davon 721 Home Directories

Capacity	ext.	int. Bus	RAID Level	
58 TB	SCSI	SATA	5/6	7 ext. RAID Arrays
43 TB	int	SATA	5	5 int RAID Arrays
▶ 31 TB	int	SATA	6	3 int RAID Arrays
198 TB	FC	SATA	6	8 ext RAID Arrays
<b>330 TB</b>	<b>im AFS</b>			
<b>0 TB</b>	<b>NFS storage</b>			
<b>330 TB</b>	<b>on 536 SATA disks</b>			

- ▶ Failures in 2008 & 2009: 54 (of 705 tot)  $\implies$  0.6 disks / week)

# Server, Clients



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3	Datenbank-Server
20	File-Server
150	Clients

## Versionen



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	OS	AFS Version	Hardware
DB-Server	Linux-2.6.27	OpenAFS-1.4.8	i686
File-Server	Linux-2.6.27	OpenAFS-1.4.10	i686, x86_64 Intel & AMD
Client	Linux-2.6.27	OpenAFS-1.4.10	i686, x86_64
Client	Solaris	OpenAFS-1.2.10	sun4x