



**GSI Site Report
- HEPIX 2007**

Genom Sequencing Center, St. Louis

Walter Schön, GSI

News from:

- GSI:
 - Director
 - FAIR
- IT
 - Windows
 - Oracle
 - Network
 - Grid
 - Linux
 - Security

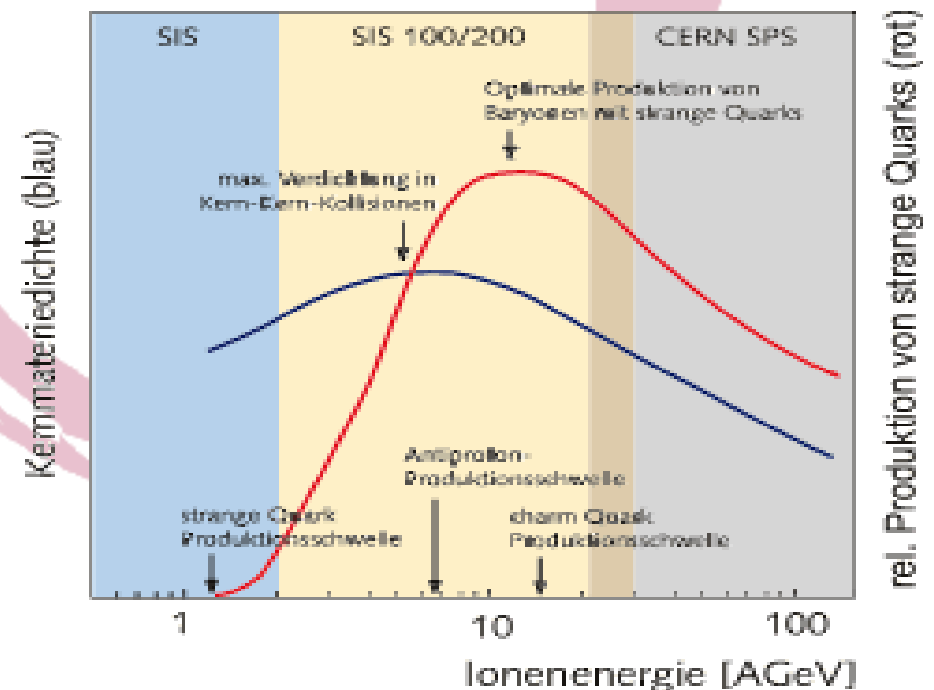
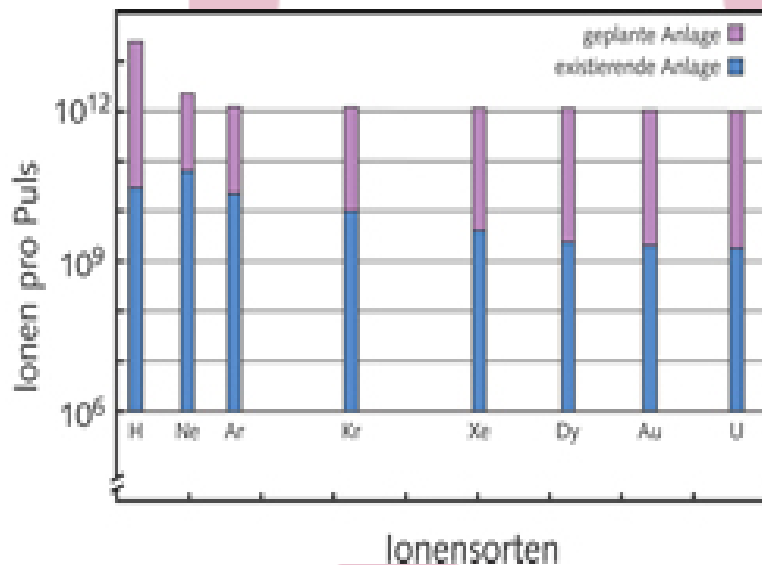
August 2007:

New Director of GSI: **Horst Stoecker**



New international **F**acility for **A**ntiproton and **I**on **R**esearch: **FAIR**

- $1,2 \cdot 10^9$ Euro
- 14 Countries
- First Experiments 2012



Kick-Off Event and Symposium on the Physics at FAIR

7 - 8 November 2007
GSI, Darmstadt, Germany



Advisory Committee

Horst Stöcker (Chair)
Ingo Augustin
Roland Garoby
Bill Gellely
Hans Gutbrod
Zbigniew Majka
Thomas Stöhlker
Ulrich Wiedner

Local Organizing Committee

Ingo Augustin
Bruno Becker-de Mos
Hans Gutbrod
Alexander Kurz
Ingo Peter
Horst Stöcker

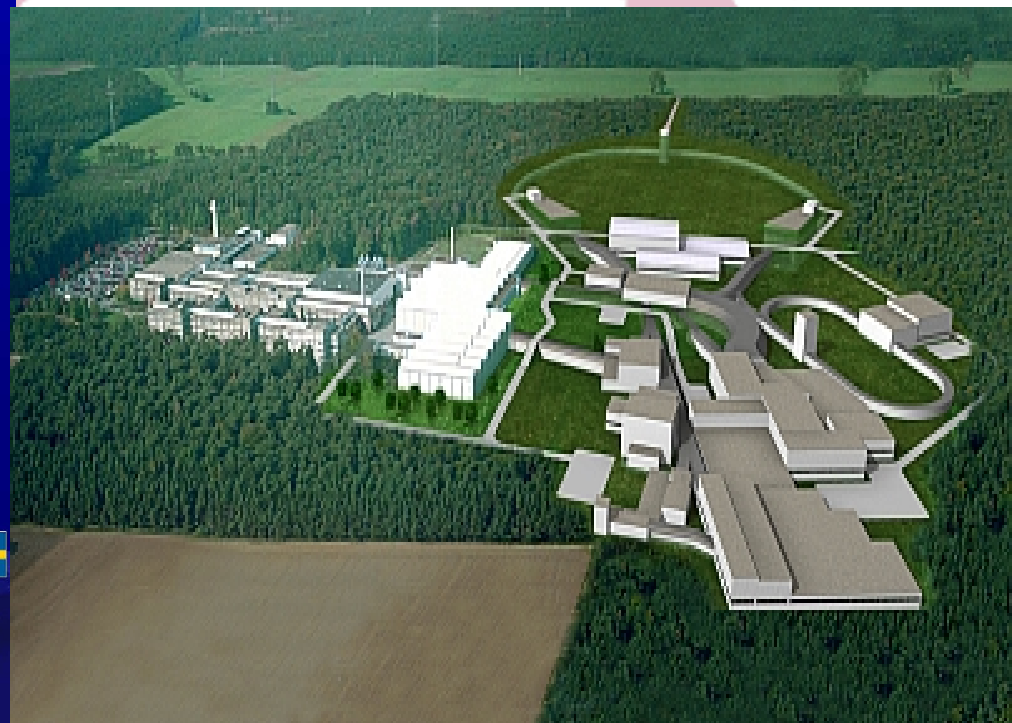
Registration and information:
www.fair-center.org/registration

Registration deadline:
15 October 2007

Contact:
fair-event@gsi.de
phone: +49 6159 71 2916
fax: +49 6159 71 3916



- FAIR:official start of the construction phase: Now!



Windows

- running Windows server 2003 R2 (SP2)
- virtual server 2003 R2
- testing application: windows print server as virtual server
=> works!
- future: more applications on virtual server

Oracle

- oracle is running as cluster (Linux)
(with native oracle methods)
- new: clustering the application server

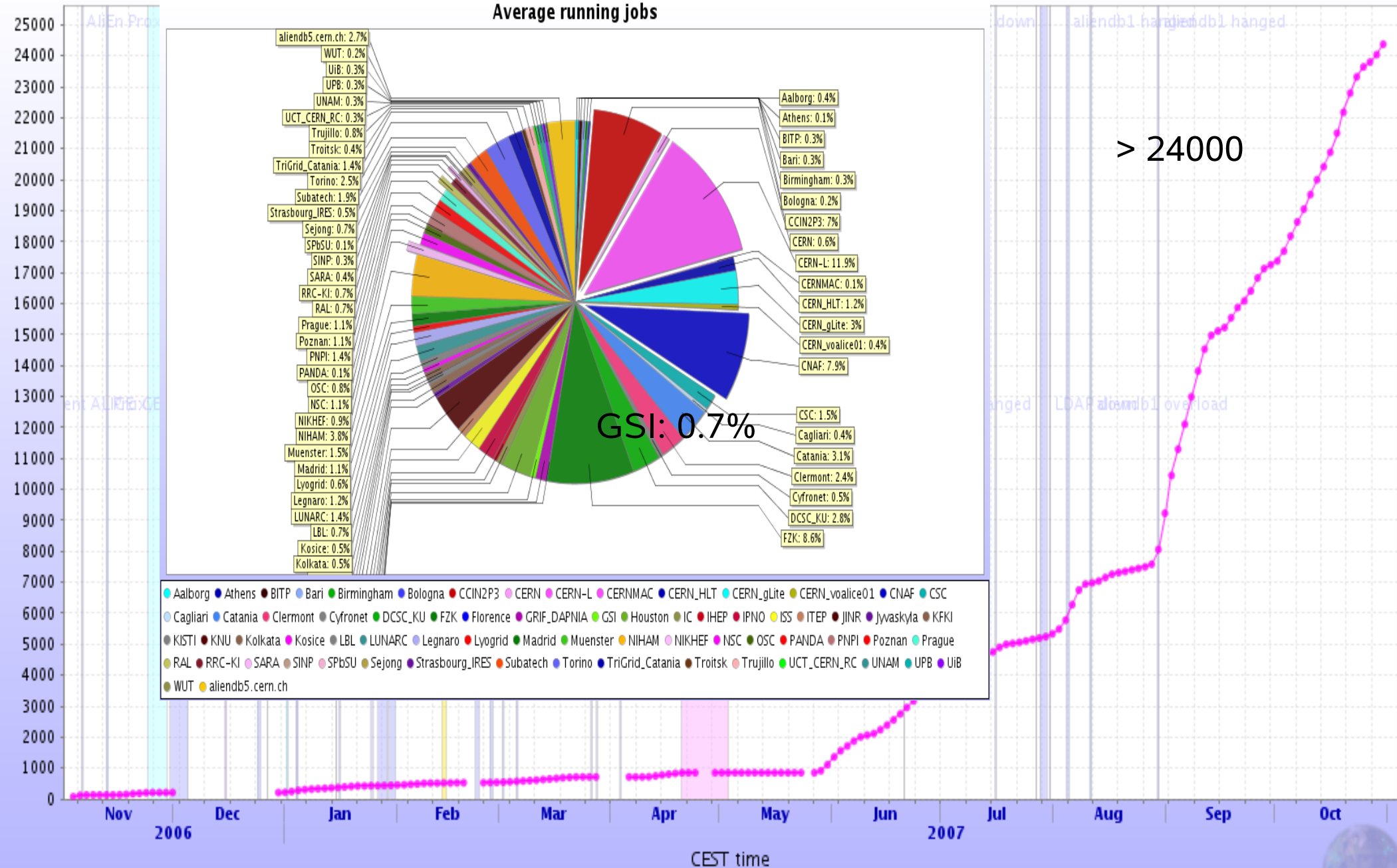
Network

- Network is now “stable”
 - Exchange of our foundry backbone MG8 switches by new Generation (RX16), no problems yet
 - RX16: 2304 Gb Ports full non blocking
 - 3.84 Tb/s
- => direct connection of number cruncher with file server

ALICE Grid jobs computed at GSI

Done jobs in GSI

Average running jobs



XEN usage at GSI Grid

- all Grid services run on virtual Xen machines
- also virtual test environments for gLite/Xrootd/PROOF run on Xen boxes
- 10 Xen server host about 30 virtual machines
- Xen Version 3.04 and 3.1, 32bit and 64bit
- OS (host systems): Debian Sarge 2.6.16 and Debian Etch 2.6.18
- OS VMs: Debian Sarge/Etch, SL3/4
- experiences: in spite of low cost hardware and heavy usage very stable !!!
- Some VMs have uptimes of > 1 year.

MTA/Security

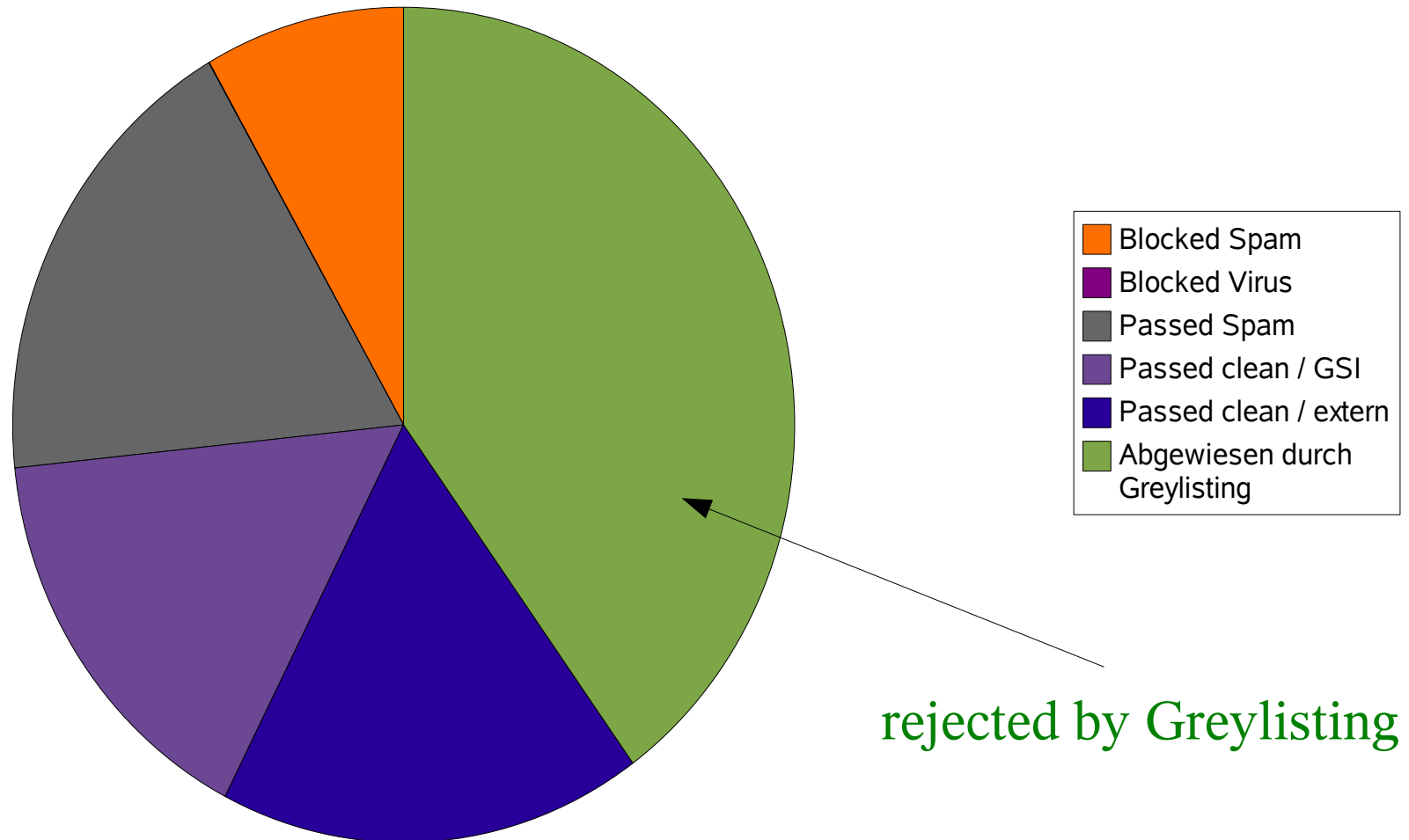
Mail server:

- SPAM war: Greylisting : Still effektive!
 - **New (stupid) DoS attacks on port 25** since few days!
 - multiple connections on port 25
 - no mail transmitted – blocks a smtp connection
- => postfix parameter
smtp_client_connection_count_limit reduced to 20
(limit of multiple connections from 1 IP)
- => fail2ban
- blocks all IP's connection 3 times in 10 min with a connect – disconnect pattern (without transfer)

Until now: only known SPAM IP's involved in this DoS

Distribution Spam/NonSpam with Greylisting

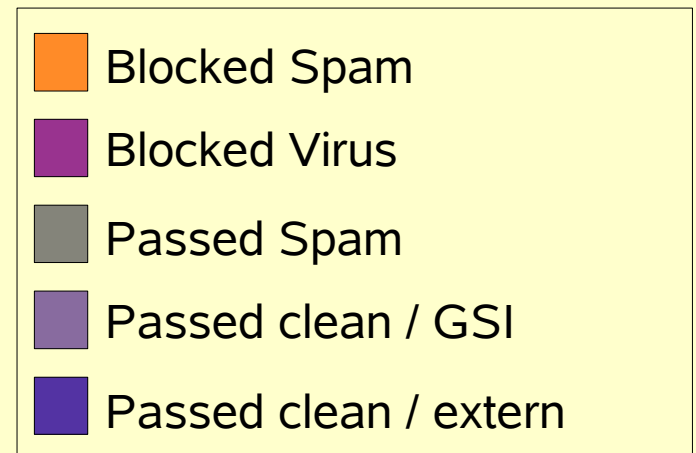
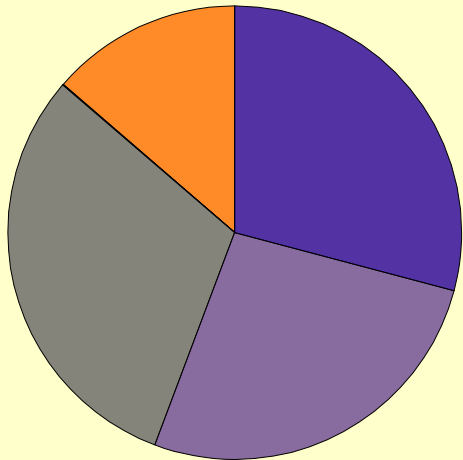
21000 mails, data from 23.10.07



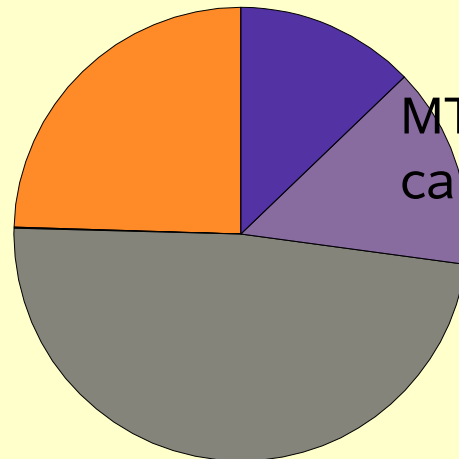
Spam/NonSpam with Greylisting

Data from 23.10.2007

MTA2, with Greylisting,
ca. 13/21 Tsd. Mails



MTA3, without Greylisting,
ca. 24 Tsd. Mails



Greylisting still effective!