

Django dashboard and Grid production monitoring for the VO AUGER

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- **Virtual Organisation AUGER**
- **Grid production expectations**
- **Monitoring tools**

- **Created in 2006 by the Czech Auger group in cooperation with CESNET**
- **CESNET provides and maintains central resources**
 - LCG RB, gLite WMS, LB, UI, LFC, registration portal, VOMS server
- **VOMS server replica at FNAL**
- **16 sites from 10 countries support VO AUGER**
- **Currently 45 members**

- **Resources**
 - ca 500 CPU cores
 - ca 100 TB of storage
 - shared with local users at some sites

- **Gridified applications**
 - **CORSIKA** at every Auger site
 - > 42k showers
 - > 483k hours (not normalised)
 - **Auger Offline** at 4 sites
 - > 116k shower analysis tasks
 - > 110k hours (not normalised)

- **Production Team: very few people**
 - Currently ~3, in the near future ~ 1
- **500-1000 concurrent jobs**
- **Production framework**
 - Easy submission of a bunch of jobs
 - Simple distinction of successful and failed jobs
 - Easy resubmission of affected jobs
 - Deliver simulation/analysis results to users (physicist)
 - Easy extension of a production task

- **Successful vs. failed jobs**

- gLite: (“Done (Success)” vs. “Aborted” or “Done (Failed)”)
 - Job stdout/stderr log parser

- **Production Dashboard**

http://auger.farm.particle.cz/auger_dashboard/

- Python application
- Based on the **django** Web framework

<http://www.djangoproject.com/>

- MySQL database
 - django runs with MySQL, SQLite3, PostgreSQL, Oracle
- Portability

- **Extensible application**
 - New griddified application => add a new python model
- **World-wide accessibility**
 - Web browser application
 - Password protected
- **User access to physics data produced on Grid**
 - List of LFNs
- **Administration interface**
 - User groups with different roles
 - Easy extension/addition of existing objects
 - ACLs to objects (add, modify, view, delete)

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Production dashboard for the Pierre Auger Observatory

Welcome to the homepage of the Grid production dashboard.



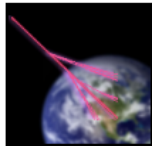
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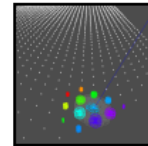
[Miscellaneous](#)

CORSIKA production



- [CORSIKA shower browser](#)
- [CORSIKA dashboard](#)
- [CORSIKA jobs todo](#)

OFFLINE production



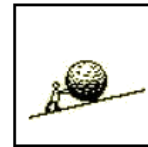
- [OFFLINE shower browser](#)
- [OFFLINE dashboard](#)
- [OFFLINE jobs todo](#)

Other information



- [Virtual Organisation AUGER](#)
- [Computational resources](#)
- [Script downloads](#)

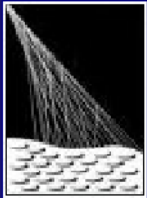
Shifters zone



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Grid production dashboard for the Pierre Auger Observatory. Powered by the [django](#) web framework.
Comments and questions kindly send to schovan@fzu.cz. Last modification: 2009-02-22.

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Get list of CORSIKA showers

Select SHOWER parameters

LIBRARY

Proton::epos_gr03
 Proton::epos_gr07
 Proton::epos_gr08
 Proton::QGSjetII_gr20
 Iron::epos_gr04
 Iron::epos_gr05JPdata
 Iron::epos_gr06
 Iron::QGSjetII_gr21

ENERGY

en 0
 en 0
 en 0
 en 0
 en 0
 en 0
 en 0
 en 0

ZENITH ANGLE

th
 th
 th 0
 th 0
 th 0
 th 0
 th 0
 th 0

en17.500: Energy of primary particle is
 $\log_{10}(E/eV)=17.5$

th60.000: Zenith angle of primary particle is theta =
 60 degrees

Select file to list

logs
 long
 part
 small

Small files: .info, .input, .lst, .tab, .md5.sum
 Logs: .job.out, .job.err

Get the LFN list!

Additional info

N.B.: Select properties of showers you wish to study. A list of LFN will be downloaded.

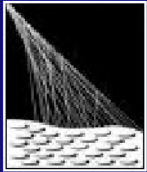
N.B.: Note, that the LFN list will be saved in a file of your choice. The full LFN set filesize can be of the order of 10 MiB!

N.B.: Note, that since January 24th 2009 the .long file is tarred inside .small.tar file.

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Get list of OFFLINE showers

Select SHOWER parameters

LIBRARY

Proton::epos_gr03
 Proton::epos_gr07
 Proton::epos_gr08
 Proton::QGSjetII_gr20
 Iron::epos_gr04
 Iron::epos_gr05JPdata
 Iron::epos_gr06
 Iron::QGSjetII_gr21

ENERGY

en 0
 en 0
 en 0
 en 0
 en 0
 en 0
 en 0
 en 0

ZENITH ANGLE

th
 th
 th 0
 th 0
 th 0
 th 0
 th 0
 th 0

en17.500: Energy of primary particle is
 $\log_{10}(E/eV)=17.5$

th60.000: Zenith angle of primary particle is theta =
 60 degrees

OFFLINE VERSION

v2r4p1 HD sim
 v2r4p2 HD sim
 v2r5p1 SD sim and reco
 v2r5p5 SD sim and reco

Select file to list

logs
 root
 small

Get the LFN list!

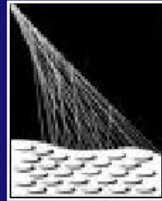
Logs: .job.out, .job.err
 Root: SdSimAndRecADST.root,
 SdSimAndRecOffline.root
 Small files: SdSimAndRec.dat, header.dat, test.out,
 .xml

Additional info

N.B. Select properties of showers you wish to study. A list of LFN will be downloaded.

N.B. Note, that the LFN list will be saved in a file of your choice. The full LFN set filesize can be of the order of 10 MiB!

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Miscellaneous information about the Grid production

Virtual Organisation AUGER



The VO AUGER was created in 2006 by the Czech group in cooperation with CESNET. CESNET provides and maintains central resources, such as LCG RB, gLite WMS, LB, UI, LFC, registration portal and the VOMS server. At the present time, there are few tens of users registered to the VO AUGER. To become a VO AUGER member, please visit the [VO AUGER registration page](#).

Computational resources



VO AUGER simulations made use of many CPUs connected in the EGEE Grid, which enables us to simulate events with higher precision. A list of involved sites is provided. The results of simulations have been uploaded and stored on Storage Elements and registered in the LFC, therefore they can be accessed globally by all the VO AUGER members. You can obtain a list of CORSIKA/OFFLINE showers LFNs in the shower browser.

Production dashboard

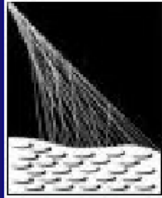


The Dashboard is a helpful monitoring tool of the grid production progress. A simple color scheme helps the shifter easily see what is the status of a finished job and chase the failing jobs or sites. Another dashboard feature is a 1-click list of jobs which has to be resubmitted. We provide also a list of recently finished jobs.

Grid production dashboard for the Pierre Auger Observatory. Powered by the django web framework.
Comments and questions kindly send to schovan@fzu.cz. Last modification: 2009-02-22.

- **DB updated regularly (info from job logs)**
- **Production summary**
- **Recent production status**
- **Color-coded job states**
- **List jobs to (re)submit**
- **Administration interface**

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Shifter zone

Production summary

[Production summary](#)

Recently finished jobs

Recently finished jobs page: [CORSIKA](#), [OFFLINE](#)

Dashboard

Dashboard page: [CORSIKA](#), [OFFLINE](#)

Shower browser

Shower browser page: [CORSIKA](#), [OFFLINE](#)

Jobs to resubmit

Jobs to resubmit page: [CORSIKA](#), [OFFLINE](#)

Scripts

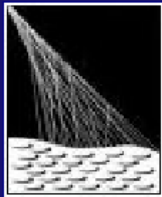
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Admin

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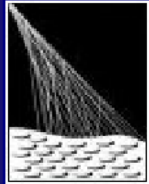
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CORSIKA production summary

Library	# of jobs in Library		
	done	todo/resubmit	total
epos_gr03::Proton	2782 (99.0 %)	18	2800
epos_gr04::Iron	2766 (99.0 %)	34	2800
epos_gr05JPdata::Iron	516 (92.0 %)	44	560
epos_gr06::Iron	2762 (99.0 %)	38	2800
epos_gr07::Proton	2780 (99.0 %)	20	2800
epos_gr08::Proton	5078 (91.0 %)	522	5600
QGSjetII_gr20::Proton	13934 (100.0 %)	66	14000
QGSjetII_gr21::Iron	11533 (82.0 %)	2467	14000

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Recent CORSIKA jobs (T-24hrs)

CORSIKA job

i	Filesize [B]	Particle	Worker node	Job start	CORSIKA start	CORSIKA end	CORSIKA duration [h]	More info
Job status	LFN of the PARTICLE file			Job ID				
1	33058376 (.part) (up 0)	Iron	FZU Golias::golias104.farm.particle.cz	2009-02-28 06:47:43	2009-02-28 06:48:14	2009-02-28 10:51:58	4.1	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115530.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2f4gRn71P2fTgnKutJyUg					
2	504113368 (.part) (up 0)	Iron	FZU Golias::goliasx82.farm.particle.cz	2009-02-28 00:47:22	2009-02-28 00:47:51	2009-02-28 10:21:34	9.6	...
3	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115611.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2f1KwkTEZiP5kjkTha5WOYA					
ok	63993256 (.part) (up 0)	Iron	FZU Golias::goliasx92.farm.particle.cz	2009-02-28 01:18:00	2009-02-28 01:18:40	2009-02-28 10:19:29	9.0	...
4	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115511.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fH0iI78_5fmo1msJDAVoYK0Zg					
ok	49050136 (.part) (up 0)	Iron	IJS::f9xxx007.ijs.si	2009-02-28 08:49:10	2009-02-28 08:49:28	2009-02-28 10:15:38	1.4	...
no-fluka-no-channel-selected	0 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/26/en17.500/th0.65/DAT117838.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fg2w0gDkGjYyb2mdkATIVw					
5	241449360 (.part) (up 0)	Iron	FZU Golias::goliasx83.farm.particle.cz	2009-02-28 00:05:50	2009-02-28 00:06:20	2009-02-28 10:07:58	10.0	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115558.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fmx0J82r9m9k629LI_5foAA					
6	182410928 (.part) (up 0)	Iron	FZU Golias::goliasx85.farm.particle.cz	2009-02-27 23:53:35	2009-02-27 23:54:03	2009-02-28 08:44:39	8.8	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115609.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2frSSGfV4pIbgmbMITqHSRg					
7	71071576 (.part) (up 0)	Iron	FZU Golias::golias104.farm.particle.cz	2009-02-28 02:58:06	2009-02-28 02:58:34	2009-02-28 08:18:52	5.3	...
8	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115590.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fJ2omkcaxjYrVIn9JncIclw					
ok	151738208 (.part) (up 0)	Iron	FZU Golias::goliasx84.farm.particle.cz	2009-02-27 21:21:02	2009-02-27 21:21:28	2009-02-28 08:15:56	10.9	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115550.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fg2BmGpKDPBduFL-zIz_5fQ					
9	206503432 (.part) (up 0)	Iron	FZU Golias::golias104.farm.particle.cz	2009-02-28 02:16:22	2009-02-28 02:17:13	2009-02-28 07:26:26	5.2	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115527.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2frJ45urUa48l-bCkxiGygQ					
10	107144792 (.part) (up 0)	Iron	FZU Golias::golias104.farm.particle.cz	2009-02-28 03:05:58	2009-02-28 03:06:28	2009-02-28 07:16:49	4.2	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115526.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2f9XH6s0rMxHZcyeIjdsXcw					
11	42968024 (.part) (up 0)	Iron	FZU Golias::goliasx81.farm.particle.cz	2009-02-27 23:18:01	2009-02-27 23:18:29	2009-02-28 07:01:14	7.7	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115588.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2filMwKyfdyoGd9JXJ6o-96A					
12	66903232 (.part) (up 0)	Iron	FZU Golias::golias104.farm.particle.cz	2009-02-28 02:30:43	2009-02-28 02:31:23	2009-02-28 06:47:19	4.3	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115541.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fQ0DKBxnf4BhIbGcENgxXzg					
13	50072560 (.part) (up 0)	Iron	FZU Golias::goliasx83.farm.particle.cz	2009-02-27 22:30:44	2009-02-27 22:31:09	2009-02-28 06:42:48	8.2	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115623.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2f28nBA_5finzdI8N91cMxamXw					
14	24721688 (.part) (up 0)	Iron	FZU Golias::goliasx89.farm.particle.cz	2009-02-27 23:24:48	2009-02-27 23:25:12	2009-02-28 06:23:42	7.0	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115538.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fkmJme0czkqt0AHvltF-o-g					
15	157872752 (.part) (up 0)	Iron	FZU Golias::golias29.farm.particle.cz	2009-02-27 19:10:33	2009-02-27 19:11:28	2009-02-28 06:14:26	11.0	...
ok	41408 (.long) (up 1)	lfni/grid/auger/prod/QGSJetII_gr21/2009/02/25/en17.500/th0.65/DAT115501.par	https_3a_2f_2fb2.egee.cesnet.cz_3a9000_2fF9D_5f5foJYe-lhChK4wt2pc3g					
16	24092504 (.part) (up 0)	Iron	FZU Golias::goliasx93.farm.particle.cz	2009-02-27 22:28:17	2009-02-27 22:28:51	2009-02-28 05:00:00	6.6	...

CORSIKA jobs color scheme

Successful job

Long0

The .long file produced has a zero length.

No fluka channel selected

or

Floating point exception

warning in the CORSIKA standard output file.

Short walltime

Job has been sent to a queue with too short walltime limit.

Other reason

Job failed due to other reason than the ones listed above.

Do not know yet

Either the job has not been submitted yet or it has not finished yet.

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Dashboard: CORSIKA library epos_gr05JPdata

Job ID	Status	Progress	Start Time	End Time	Duration	Output
DAT008520	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008522	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008524	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008526	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008528	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008530	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008532	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008534	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008536	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008619	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008621	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008623	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008625	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008627	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008629	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008631	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008633	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008635	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008620	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008719	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008720	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008721	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008722	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008723	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008724	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008725	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008726	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008727	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008728	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008729	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008730	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008731	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008732	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008733	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008734	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008735	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success
DAT008736	Completed	100%	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	Success

DAT008520 (1x)	DAT008619 (1x)	DAT008620 (1x)	DAT008719 (1x)	DAT008720 (1x)
DAT008522 (2x)	DAT008621 (1x)	DAT008622 (2x)	DAT008721 (1x)	DAT008722 (1x)
DAT008524 (1x)	DAT008623 (1x)	DAT008624 (1x)	DAT008723 (1x)	DAT008724 (1x)
DAT008526 (1x)	DAT008625 (1x)	DAT008626 (1x)	DAT008725 (1x)	DAT008726 (1x)
DAT008528 (1x)	DAT008627 (2x)	DAT008628 (1x)	DAT008727 (1x)	DAT008728 (1x)
DAT008530 (1x)	DAT008629 (1x)	DAT008630 (2x)	DAT008729 (0x)	DAT008730 (1x)
DAT008532 (1x)	DAT008631 (1x)	DAT008632 (1x)	DAT008731 (1x)	DAT008732 (1x)
DAT008534 (1x)	DAT008633 (1x)	DAT008634 (1x)	DAT008733 (2x)	DAT008734 (1x)
DAT008536 (1x)	DAT008635 (1x)	DAT008636 (1x)	DAT008735 (1x)	DAT008736 (1x)

Additional info

NEW DATxxxxxx string corresponds to the CORSIKA shower ID

NEW Click on a [DATxxxxxx(2)] line to see further job details.

CORSIKA jobs color scheme

Successful job

Long

The long file produced has a zero length.

No file channel selected.

Waiting point exception

Warning in the CORSIKA standard output file.

Short wall time

Job has been sent to a queue with too short wall time limit.

Other reason

Job failed due to other reason than the ones listed above.

Do not know yet

Either the job has not been submitted yet or it has not finished yet.

[Home](#) | [Shower download](#) | [Dashboard](#) | [Recent jobs](#) | [Result](#) | [Sites](#) | [Scripts](#) | [Shifter zone](#) | [About...](#)

Dashboard: CORSIKA library epos_gr05JPdata OFFLINE::v2r5p5 SD sim and reco



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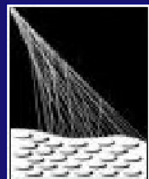
Get showers

Miscellaneous

Job ID	Status	Start Time	End Time	Duration	Size	Priority	Queue	Progress	Errors	Warnings	Messages
DAT001609:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001610:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001659:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001660:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001611:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001612:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001661:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001662:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001613:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001614:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001663:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001664:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001615:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001616:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001665:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001666:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001617:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001618:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001667:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001668:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001619:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001620:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001669:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001670:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001621:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001622:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001671:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001672:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001623:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001624:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001673:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001674:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001625:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001626:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001675:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0
DAT001676:12345	Completed	2009-03-05 10:00:00	2009-03-05 10:05:00	00:05:00	100MB	Normal	Queue 1	100%	0	0	0

Grid p...

Add formal info
RE Every CORSIKA shower is processed with the OFFLINE DATxxxxx string corresponds to the CORSIKA shower ID. 1, 2, 3, 4, 5 refers to the OFFLINE job order number.
RE Click on a DATxxxxx 12345 file to see further job details.
OFFLINE jobs color scheme
Success M job
Download of the part or log file failed.
Status has not changed
Upload failure
 Upload of the job outputs to the Storage Backend has failed.
Do not know yet.
 Either the job has not been submitted yet or it has not finished yet.
CORSIKA jobs color scheme
Success M job
 Unsuccess M or unsubmitted job



Pierre Auger Observatory

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CORSIKA job

CORSIKA input: INIT.epos_gr04 00006

I	Filesize [B]	Particle	Worker node	Job start	CORSIKA start	CORSIKA end	CORSIKA duration [h]
Job status	LFN of the PARTICLE file			Job ID			
1	84921488 (part) (up 0)	Iron	FZK Gridka::c01-001-108	2008-04-25 22:30:38	2008-04-25 22:31:02	2008-04-27 02:42:20	28,2
no-other-reason	40946 (long) (up 1)		lfn:/grid/auger/prod/resubmit_2008-02-22/epos_gr04		https_3a_2f_2f5kurut1.cesnet.cz_3a9000_2f2ZkFrbEvcv97xj7DYYV6g		
2	84921488 (part) (up 1)	Iron	WUPPERTAL::wrd059	2008-05-03 16:31:26	2008-05-03 16:31:26	2008-05-04 20:01:36	27,5
ok	40946 (long) (up 1)		lfn:/grid/auger/prod/RESUB_2008-05-03/epos_gr04		https_3a_2f_2f5kurut1.cesnet.cz_3a9000_2f57Z58A_5fxGGOUZ95jHG2GXA		

OFFLINE jobs

OFFLINE::v2r5p5 SD sim and reco: 5 jobs

I; Job status	.root filesize [B]		Worker node	Job start	OFFLINE start	OFFLINE end	OFFLINE duration [min]
	Offline	ADST					
1; ok :: 83583	5959767	6216093	CESNET::skurut5-2.egse.cesnet.cz	2008-12-08 22:28:44	2008-12-08 22:28:52	2008-12-09 04:34:18	365,4
2; ok :: 83585	4429683	13665477	CESNET::skurut5-2.egse.cesnet.cz	2008-12-09 04:34:41	2008-12-09 04:34:43	2008-12-09 10:19:27	344,7
3; ok :: 83587	5929802	18900206	CESNET::skurut5-2.egse.cesnet.cz	2008-12-09 10:20:04	2008-12-09 10:20:06	2008-12-09 16:09:28	349,4
4; ok :: 83589	6368533	10601900	CESNET::skurut5-2.egse.cesnet.cz	2008-12-09 16:10:04	2008-12-09 16:10:06	2008-12-09 22:22:14	372,1
5; ok :: 83591	5568324	5133058	CESNET::skurut5-2.egse.cesnet.cz	2008-12-09 22:22:49	2008-12-09 22:22:51	2008-12-10 04:13:23	350,5

OFFLINE::v2r5p1 SD sim and reco: 0 jobs

OFFLINE::v2r4p2 HD sim: 0 jobs

OFFLINE::v2r4p1 HD sim: 0 jobs

Grid production dashboard for the Pierre Auger Observatory. Powered by the [django](#) web framework.
Comments and questions kindly send to schovan@fzu.cz. Last modification: 2009-02-22.

CORSIKA jobs color scheme

Successful job

Long0

The .long file produced has a zero length.

No fluka channel selected

or

Floating point exception

warning in the CORSIKA standard output file.

Short walltime

Job has been sent to a queue with too short walltime limit.

Other reason

Job failed due to other reason than the ones listed above.

Do not know yet

Either the job has not been submitted yet or it has not finished yet.

OFFLINE jobs color scheme

Successful job

Download of the



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CORSIKA jobs to be (re)submitted

Select LIBRARY to get list of jobs to (re)submit

LIBRARY

Proton::epos_gr03
Proton::epos_gr07
Proton::epos_gr08
Proton::QGSjetII_gr20
Iron::epos_gr04
Iron::epos_gr05JPdata
Iron::epos_gr06
Iron::QGSjetII_gr21

Get the CORSIKA job inputs list!

Additional info

N.B. Select a CORSIKA library, a list of CORSIKA job inputs which should be resubmitted will be provided.

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OFFLINE jobs to be (re)submitted

Select OFFLINE version and LIBRARY to get list of jobs to (re)submit

OFFLINE VERSION

v2r4p1 HD sim
v2r4p2 HD sim
v2r5p1 SD sim and reco
v2r5p5 SD sim and reco

LIBRARY

Proton::epos_gr03
Proton::epos_gr07
Proton::epos_gr08
Proton::QGSjetII_gr20
Iron::epos_gr04
Iron::epos_gr05JPdata
Iron::epos_gr06
Iron::QGSjetII_gr21

Get the OFFLINE job inputs list!

Additional info

N.B. Note, that the list of LFNs will be saved in a file of your choice. The full LFN set filesize can be of the order of 10 MiB!

```
##### Your selection: write a list of CORSIKA jobs inputs from the library
```

```
##### #
```

```
##### epos_gr05JPdata::Iron #
```

```
##### #
```

```
##### The list of CORSIKA job inputs follows.##
```

```
INIT.epos_gr05JPdata_en00.000_th00.000_00010
```

```
INIT.epos_gr05JPdata_en00.000_th00.000_00020
```

```
INIT.epos_gr05JPdata_en00.000_th00.000_00030
```

```
INIT.epos_gr05JPdata_en00.000_th00.000_00040
```

```
INIT.epos_gr05JPdata_en00.000_th00.000_00050
```

```
INIT.epos_gr05JPdata_en00.000_th00.000_00060
```

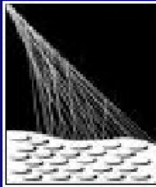
```
...
```

```
##### There are 44 CORSIKA jobs out of 560 of the library epos_gr05JPdata::
```

```
Iron to be (re)submitted. #
```

```
##### Actual date: 2009-02-15 22:22:40 Europe/Prague #
```

framework.
02-22.



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Site details: FZU Goliás

Queues for site FZU Goliás

ce1.farm.particle.cz:2119/jobmanager-lcgpbs-gridauger
goliás25.farm.particle.cz:2119/jobmanager-lcgpbs-gridauger

Hostnames for site FZU Goliás

1. goliás01.farm.particle.cz
2. goliás02.farm.particle.cz
3. goliás03.farm.particle.cz
4. goliás04.farm.particle.cz
5. goliás05.farm.particle.cz
6. goliás06.farm.particle.cz
7. goliás07.farm.particle.cz
8. goliás08.farm.particle.cz
9. goliás09.farm.particle.cz
10. goliás101.farm.particle.cz

Django administration

Welcome, **Jaroslava**. [Change password](#) / [Log out](#)

Site administration

Applications	
Application sites	+ Add Change
Application versions	+ Add Change
Applications	+ Add Change
Energy bins	+ Add Change
File types	+ Add Change
Zenith angle bins	+ Add Change
Auth	
Groups	+ Add Change
Users	+ Add Change
Computing elements	
Hostnames	+ Add Change
Institutes	+ Add Change
Queues	+ Add Change
Sites	+ Add Change
Corsika	
CORSIKA job indexers	+ Add Change
CORSIKA jobs	+ Add Change
Jobs	
Job notes	+ Add Change
Job states	+ Add Change
Jobs	+ Add Change
Libraries	
Libraries	+ Add Change
Library parts	+ Add Change
Offline	
OFFLINE jobs	+ Add Change
OFFLINE jobs - HD sims	+ Add Change
OFFLINE jobs - SD sims and reco	+ Add Change
Particles	
Primary particles	+ Add Change
Shifters	
Shifters	+ Add Change

Django administration

Welcome, **Jaroslava**. [Change password](#) / [Log out](#)

[Home](#) » [Auth](#) » [Groups](#) » Add group

Add group

Name:

Permissions:

Available permissions

- libraries | Library | Can change Library
- libraries | library part | Can change library part
- libraries | Library | Can delete Library
- libraries | library part | Can delete library part

[Choose all](#)

Chosen permissions

Select your choice(s) and click [+](#)

- libraries | Library | Can add Library
- libraries | library part | Can add library part

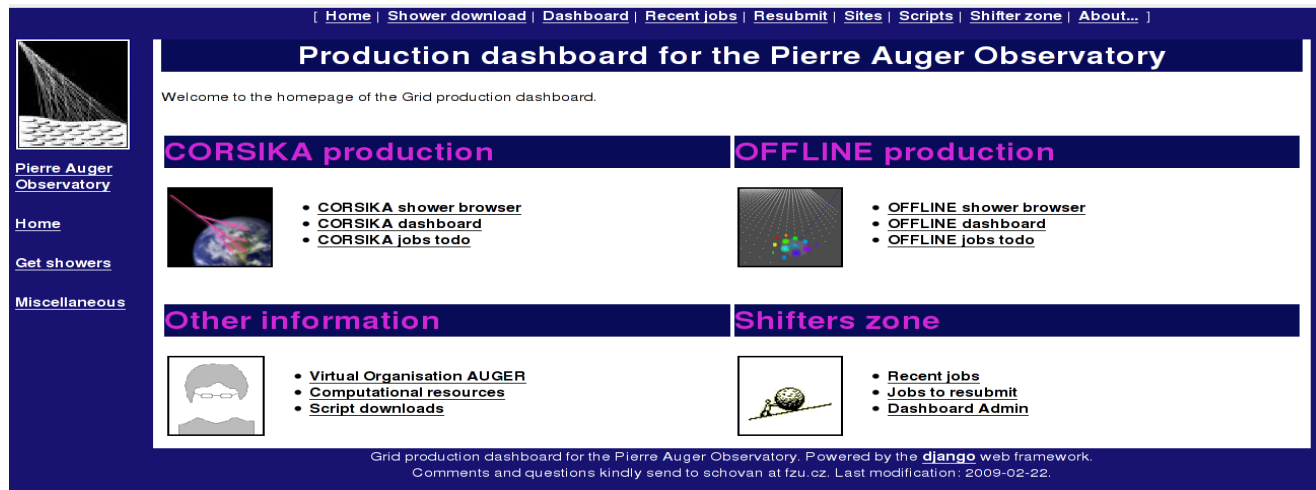
[Clear all](#)

[Save and add another](#)

[Save and continue editing](#)

[Save](#)

- **Production framework successfully deployed**
 - Official Auger production
 - Private user production
- **Monitoring with the Dashboard performed**
- **Simulated data delivered to physicists**
- **Production manageable by a single person**
 - Tested also with the production team



The screenshot shows a web dashboard with a dark blue header and a white main content area. The header contains navigation links: [Home | Shower download | Dashboard | Recent jobs | Resubmit | Sites | Scripts | Shifter zone | About...]. The main content is titled "Production dashboard for the Pierre Auger Observatory" and includes a welcome message. It is organized into four quadrants:

- CORSIKA production**: Includes links for "CORSIKA shower browser", "CORSIKA dashboard", and "CORSIKA jobs todo".
- OFFLINE production**: Includes links for "OFFLINE shower browser", "OFFLINE dashboard", and "OFFLINE jobs todo".
- Other information**: Includes links for "Virtual Organisation AUGER", "Computational resources", and "Script downloads".
- Shifters zone**: Includes links for "Recent jobs", "Jobs to resubmit", and "Dashboard Admin".

A sidebar on the left contains links for "Pierre Auger Observatory", "Home", "Get showers", and "Miscellaneous". At the bottom, a footer states: "Grid production dashboard for the Pierre Auger Observatory. Powered by the [django](#) web framework. Comments and questions kindly send to schovan@fzu.cz. Last modification: 2009-02-22."