

DESY ATLAS Tier2 Status, Zeuthen



Grid Job statistics

FTS/DQ2 tests / service challenges (SC4)

HLT Woodcrest benchmarks



Job statistics - Number of Jobs

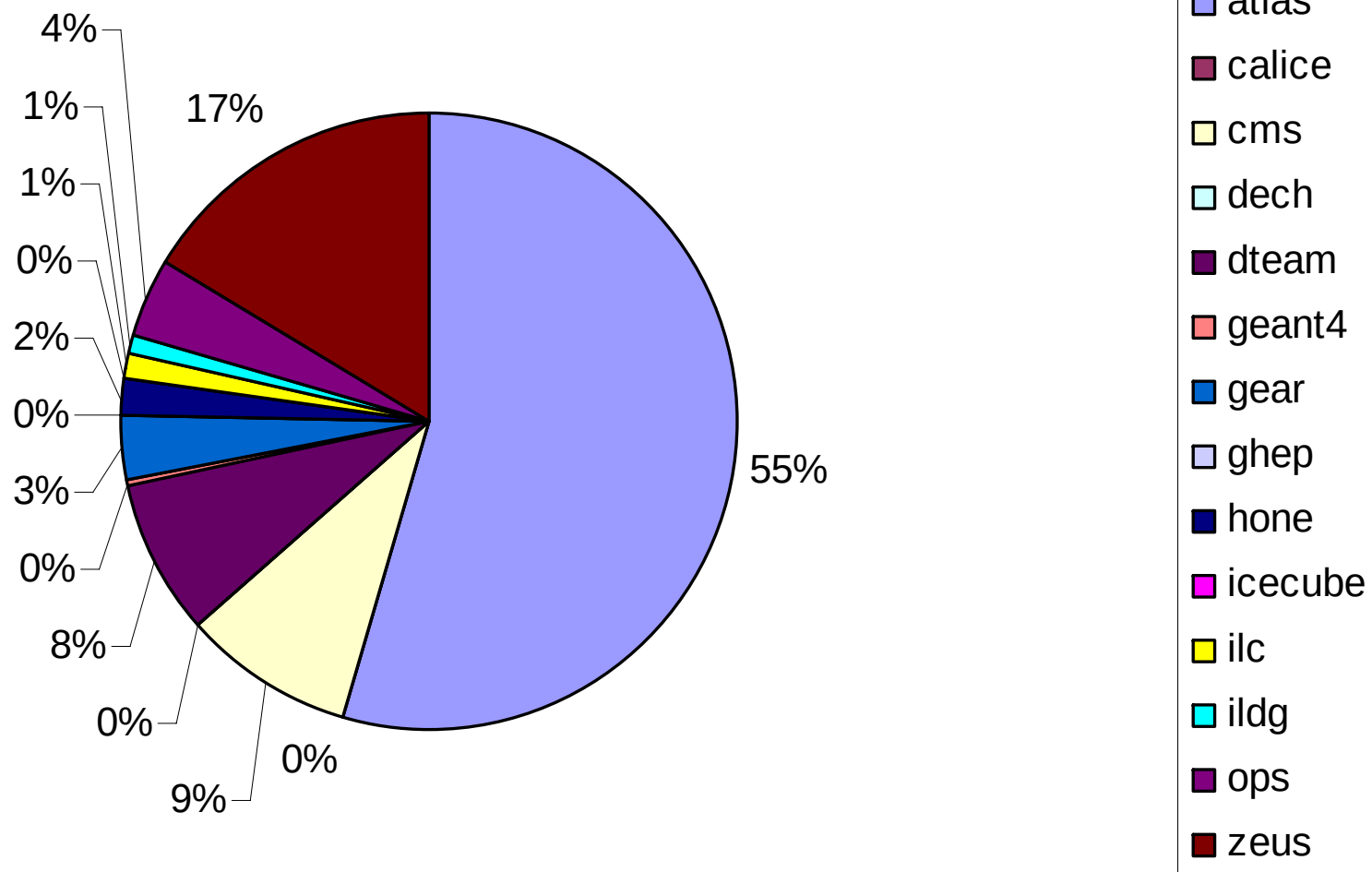
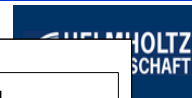


Group	#Jobs	Wall(h)	CPU(h)
atlas	13938	101151.9336	84774.3733
calice	28	0.1044	0.0267
cms	2336	86278.3392	85730.8231
dech	13	0.0456	0.0042
dteam	2101	143.8372	53.3494
geant4	17	0.8575	0.3022
gear	850	5212.4725	265.1064
ghep	11	0.0872	0.0125
hone	521	8123.5033	7813.6014
icecube	17	0.3528	0.0061
ilc	318	873.5883	759.5611
ildg	201	45.3514	2.8214
ops	1103	30.2011	6.0178
zeus	4201	6532.0628	6065.4156

- MAUI Scheduler now optimized for giving Production Jobs a higher priority

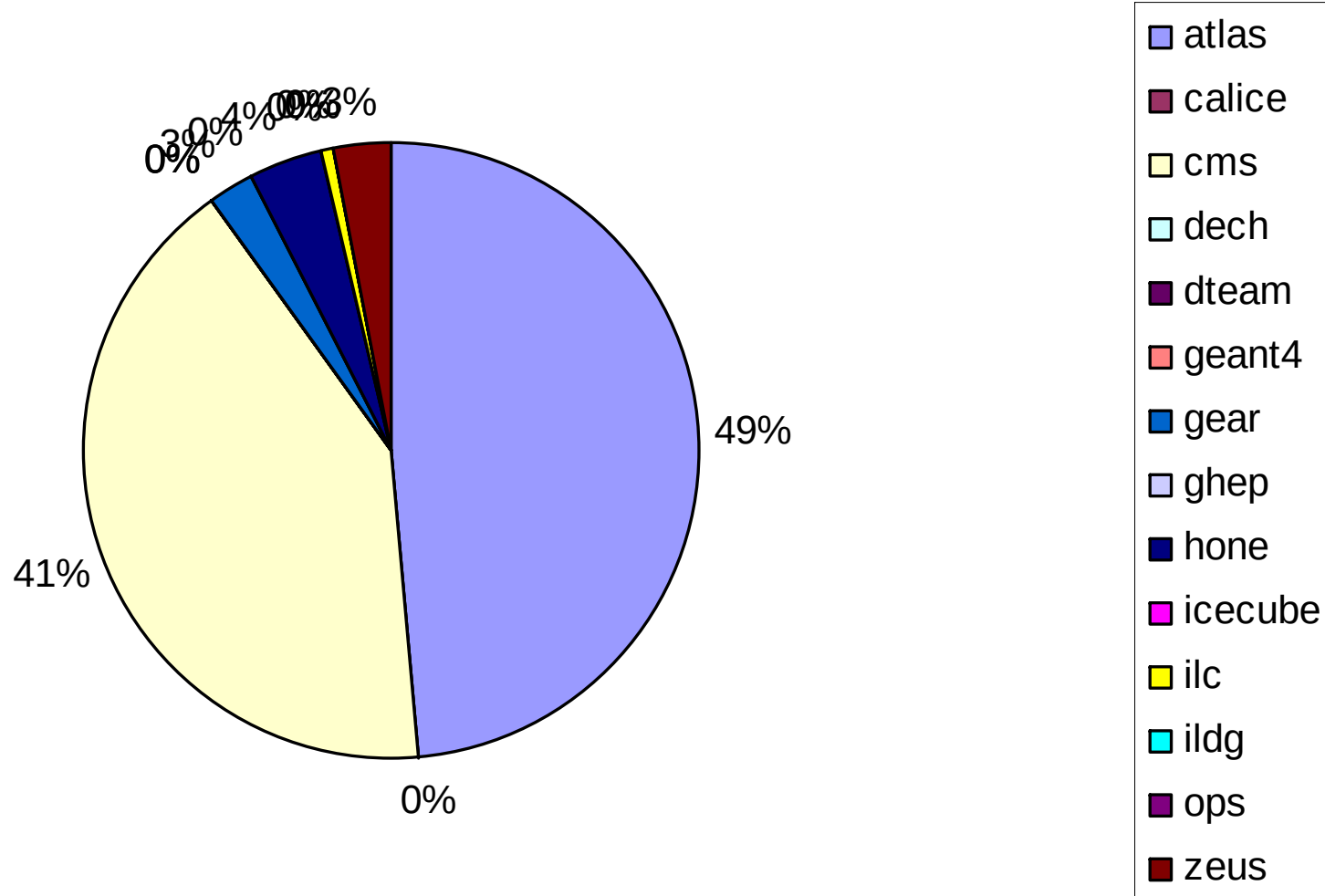
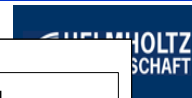


Job statistics - Number of Jobs

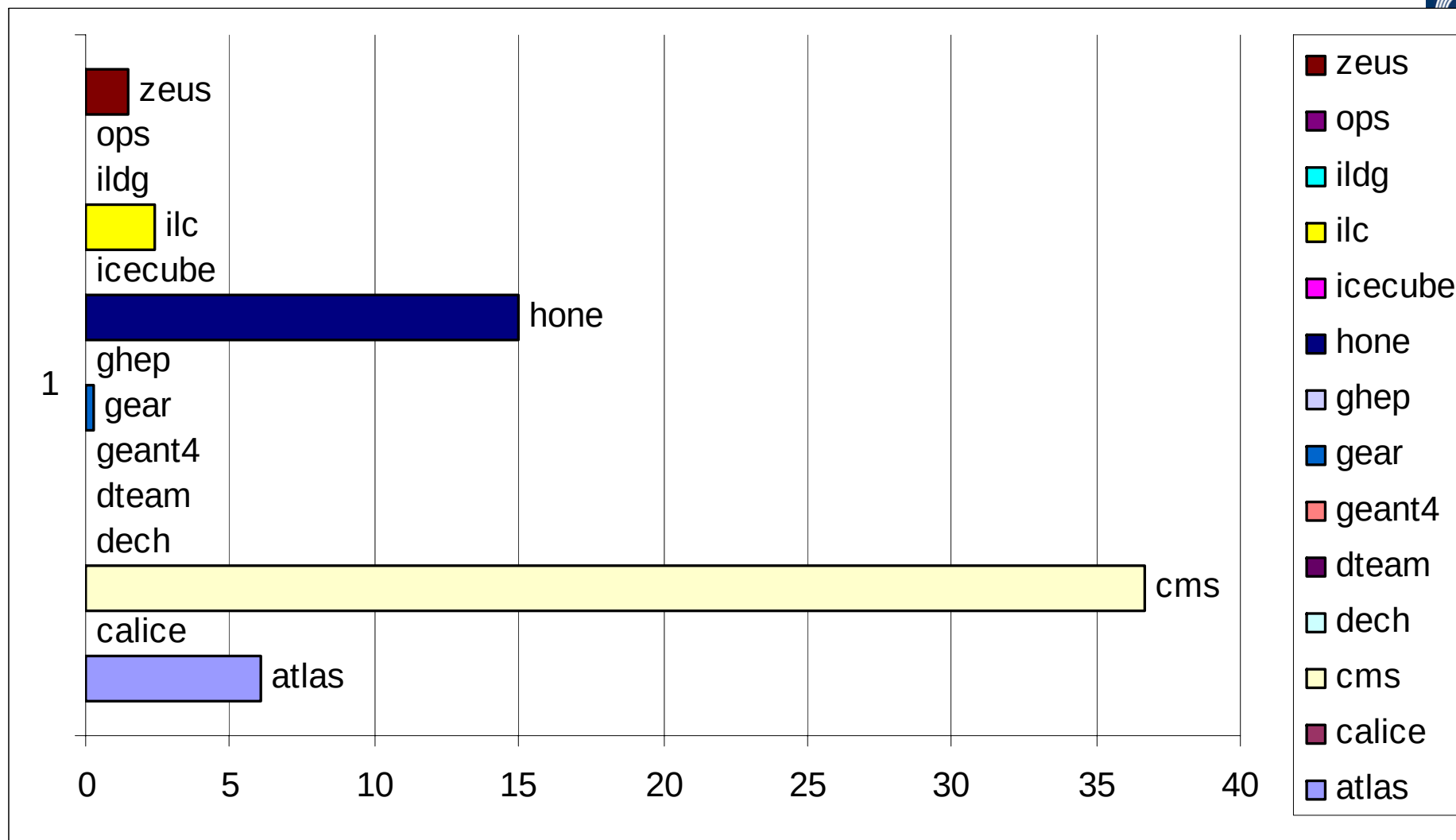




Job statistics - Wallclock time



Job statistics – Average CPU Time(h) per Job





FTS channel tests, DQ2

Gridftp, srm, fts, dq2 file transfers to Karlsruhe, Prag, ... using up 1 GByte files for simple tests o.k.

Subscribed for DQ2 data sets, also data sets subscribed by others (FZK, Jobs ?)

<http://gridui02.usatlas.bnl.gov:25880/server/pandamon/query?overview=dslist&cat=All&site=DESY-ZN>

Problems

DQ2 data sets incomplete, reason unknown

Timeouts in FTS/DQ2 transfers (due to still low bandwidth at Zeuthen ?)

Often FTS (Star) channel problems which affect all GridKa cloud members

SC4

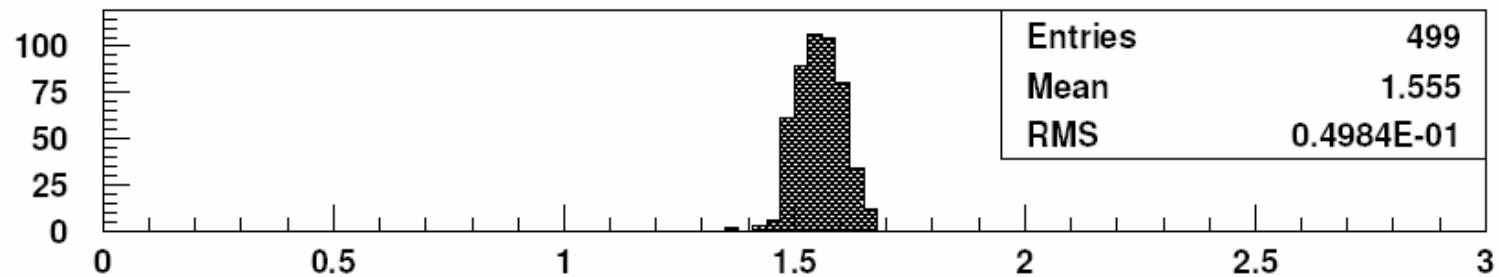
Partly involved (FTS/DQ2) in Tier2 contribution starting in June.

<http://atlas-ddm-monitoring.web.cern.ch/atlas-ddm-monitoring>

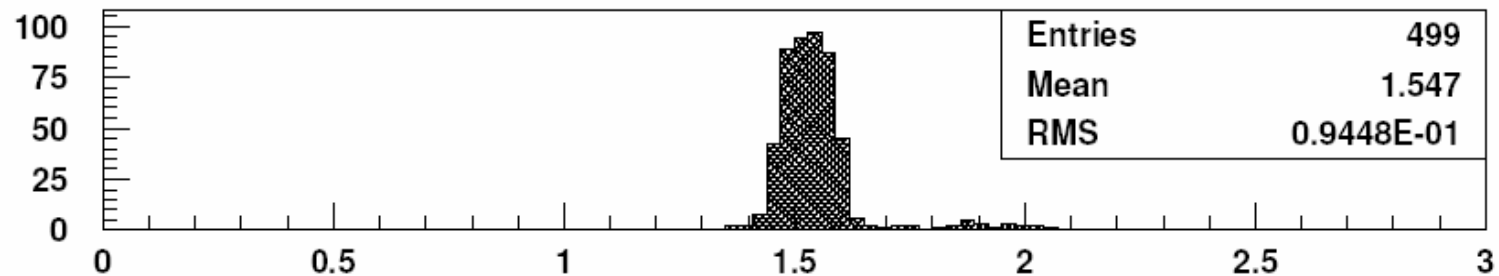
HLT benchmark tests



Tests on Pre-series Woodcrest model (Dell 1950) by André dos Anjos and Werner Wiedenmann (CERN)



Event time Opteron Single Core 2.4 GHz / Event time Woodcrest 3.0 GHz
250



Event time Opteron Dual Core 2.2 GHz / Event time Woodcrest 3.0 GHz
275

Test6: Ratios of execution times for each single electron event and different processors relative to the Woodcrest processor.



Links

Open Position in Zeuthen

<http://www.desy.de/v2/docs/1149609390.pdf>

DDM/DQ2

<https://uimon.cern.ch/twiki/bin/view/Atlas/DDM>

DDM Monitoring

<http://atlas-ddm-monitoring.web.cern.ch/atlas-ddm-monitoring>

Data Set Browser

<http://gridui02.usatlas.bnl.gov:25880/server/pandamon/query?overview=dslist&cat=All&site=DESY-ZN>