

# Offline Monitoring Report

- Status of current launch
- Next launch

September 30, 2015

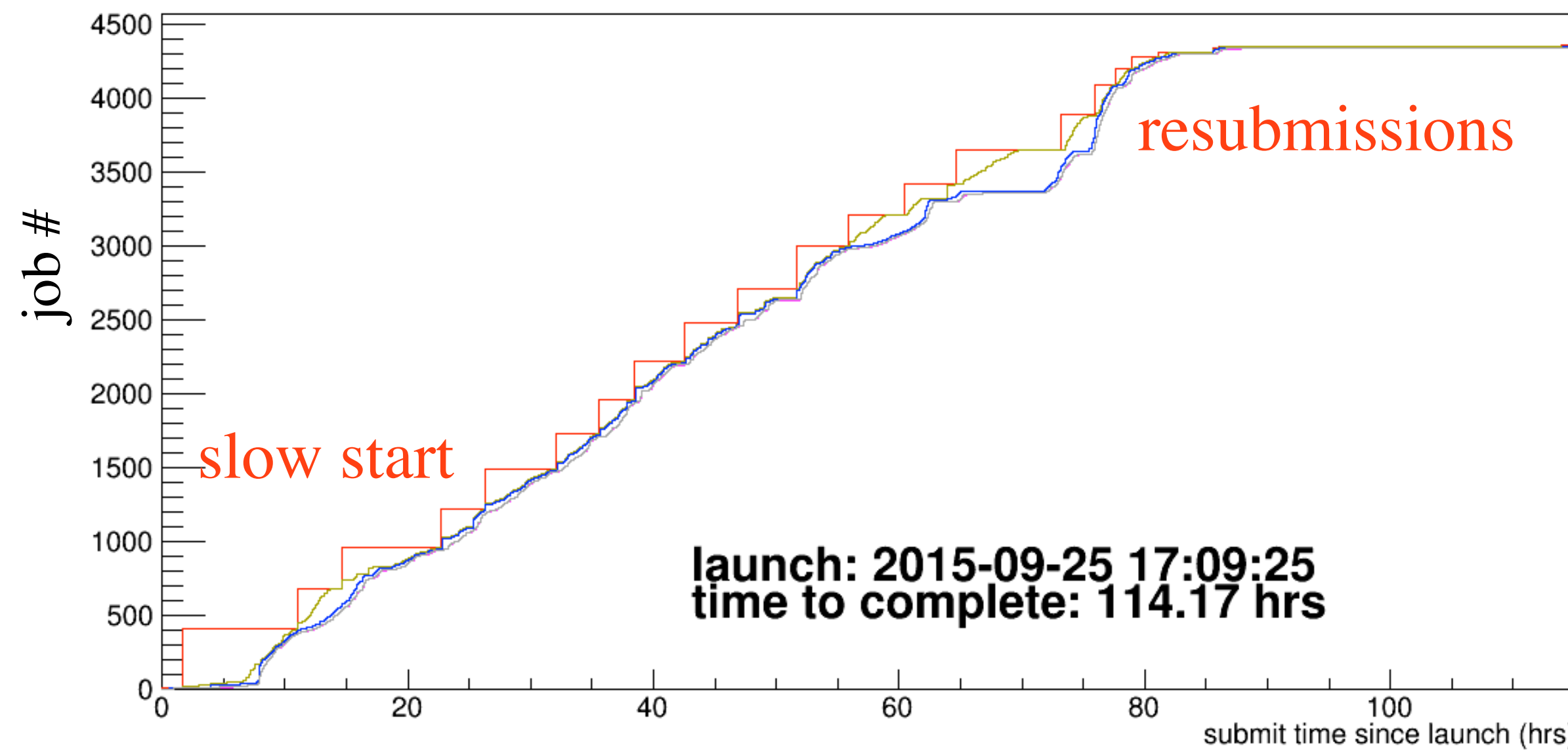
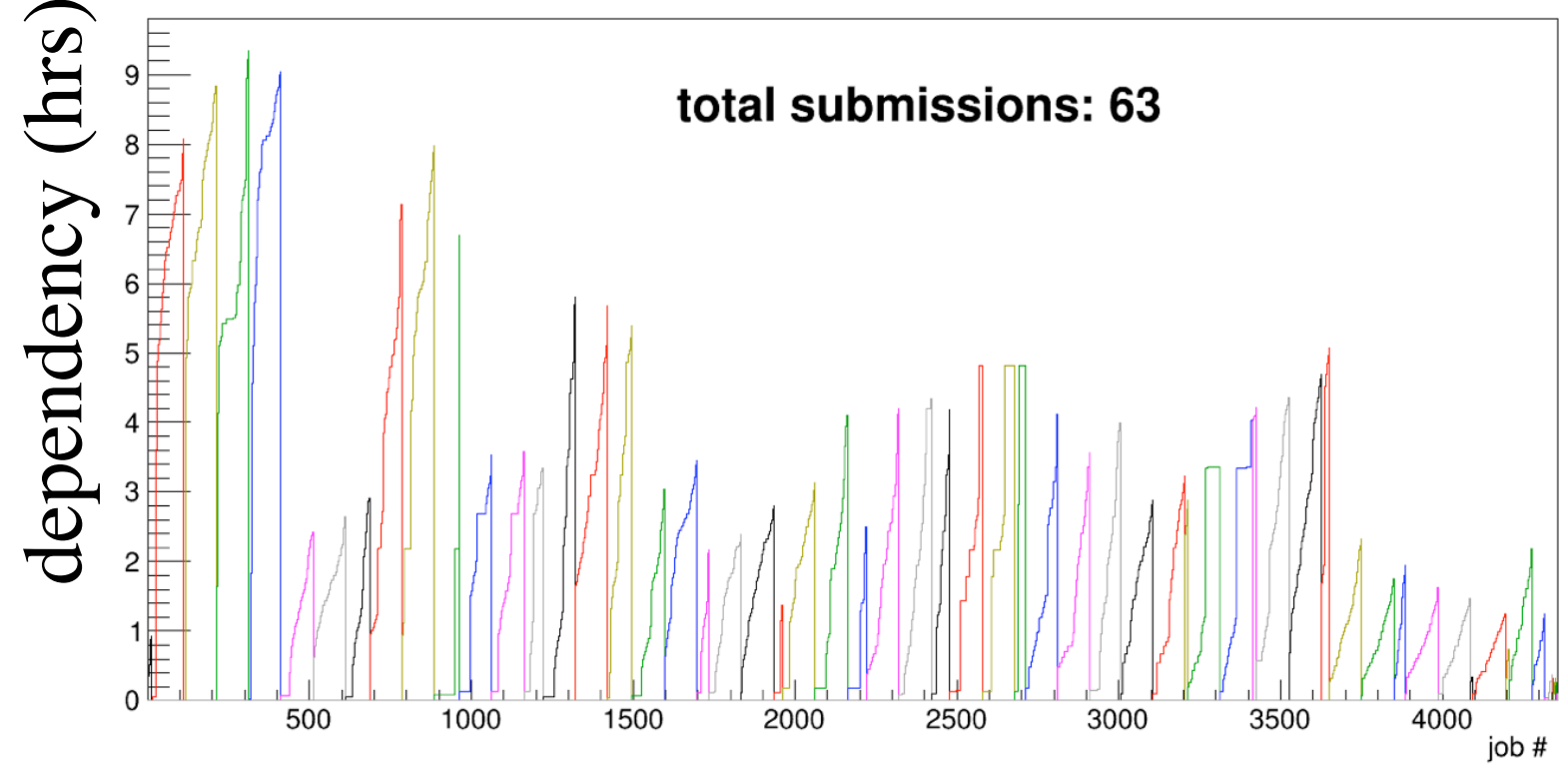
Kei Moriya

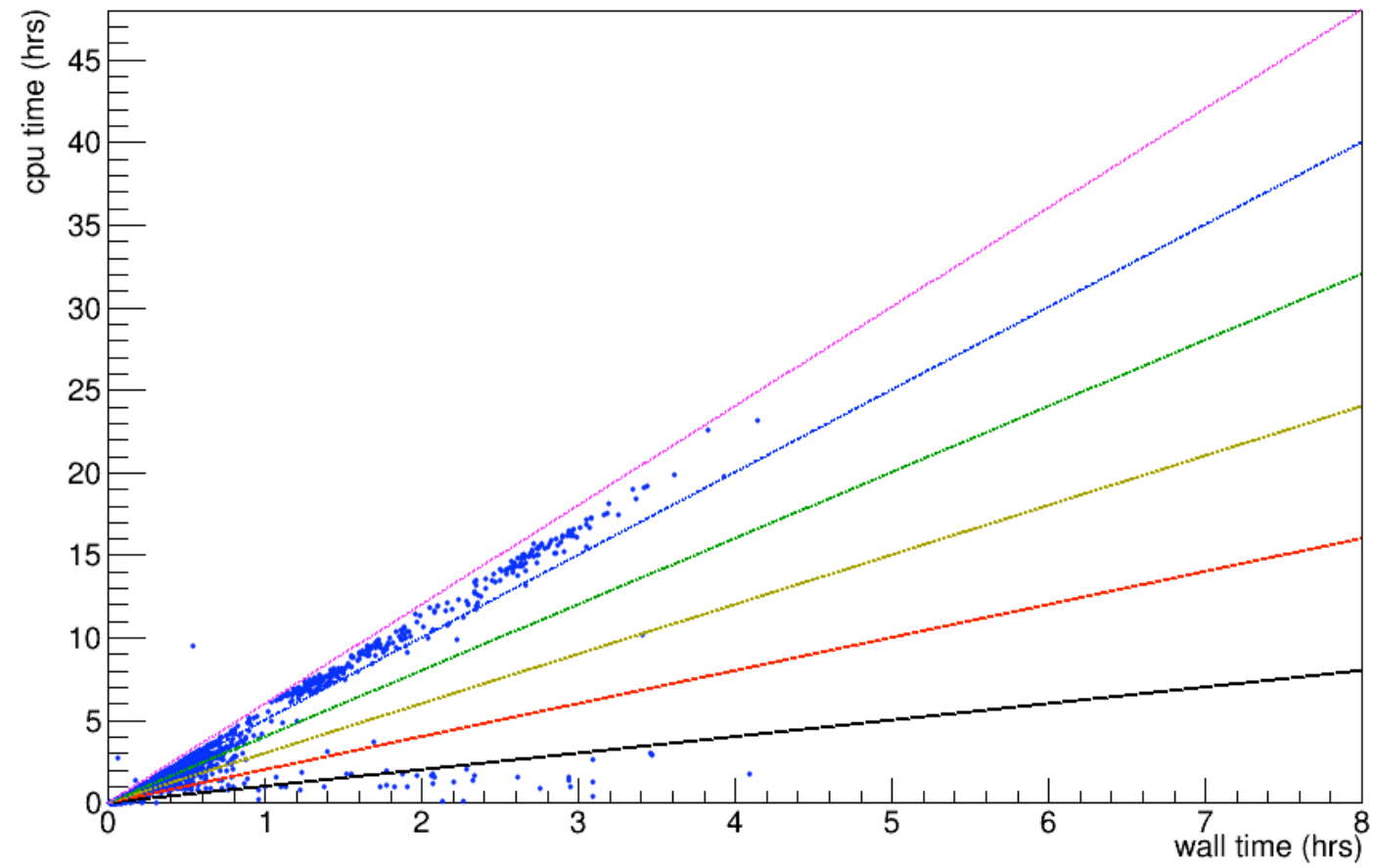
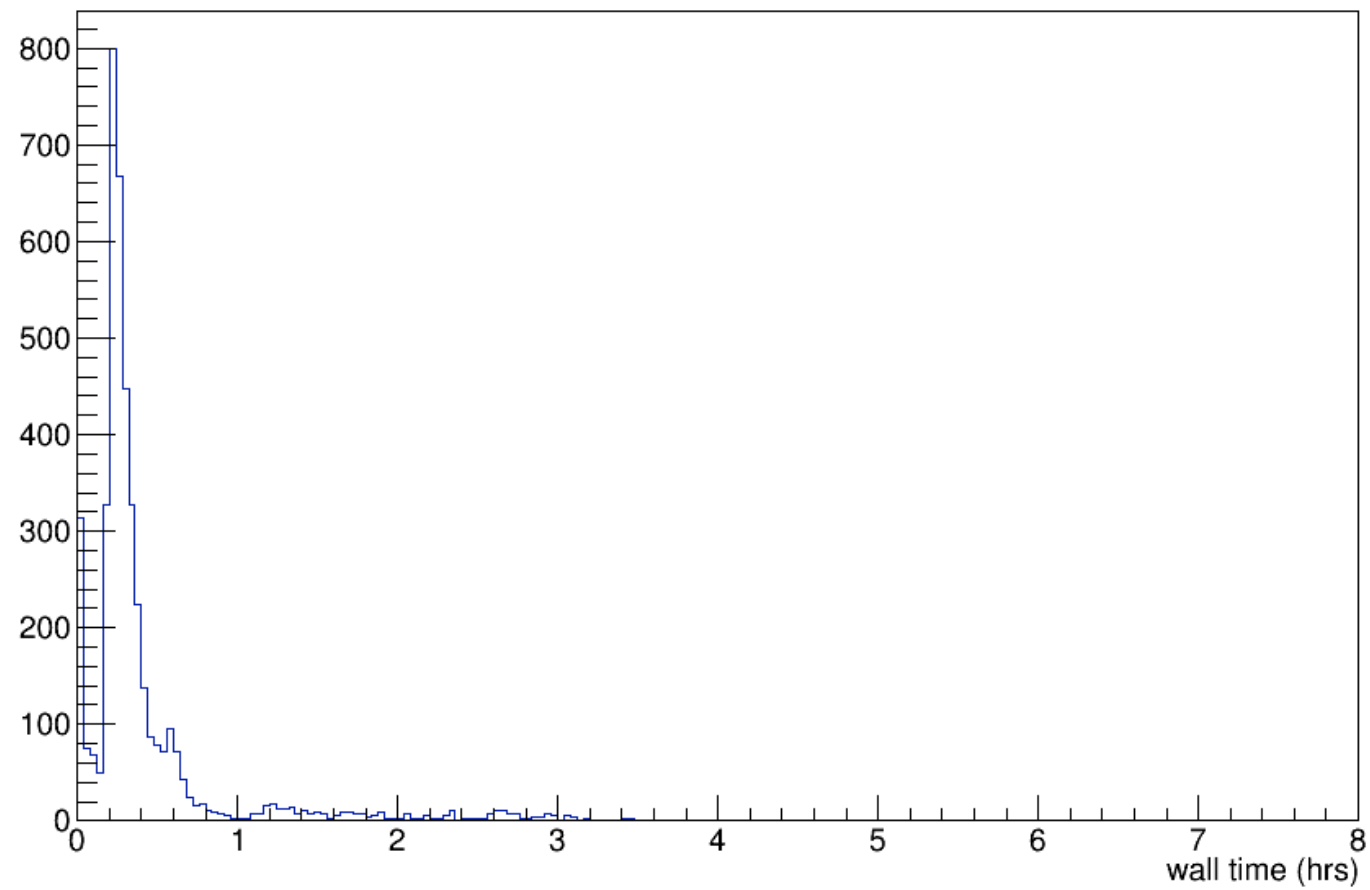
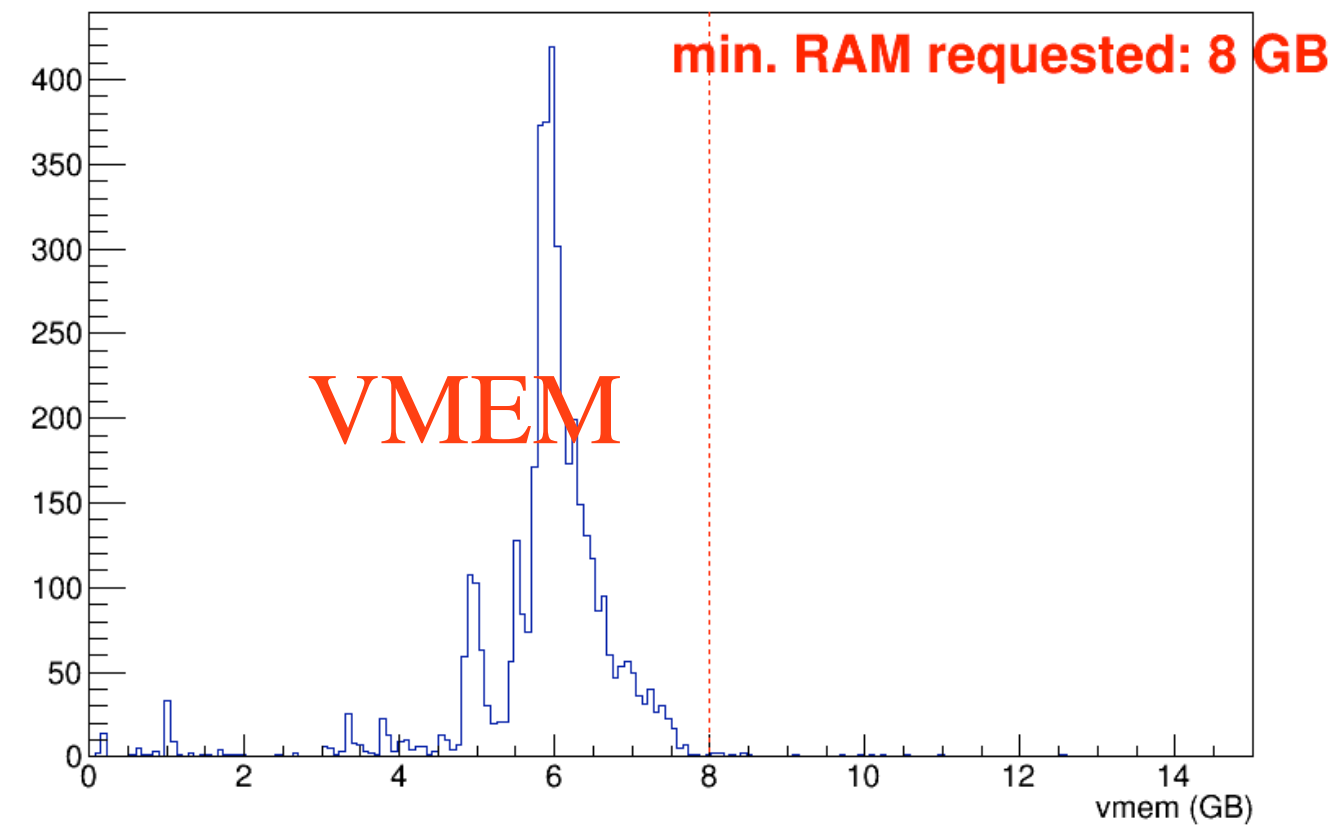
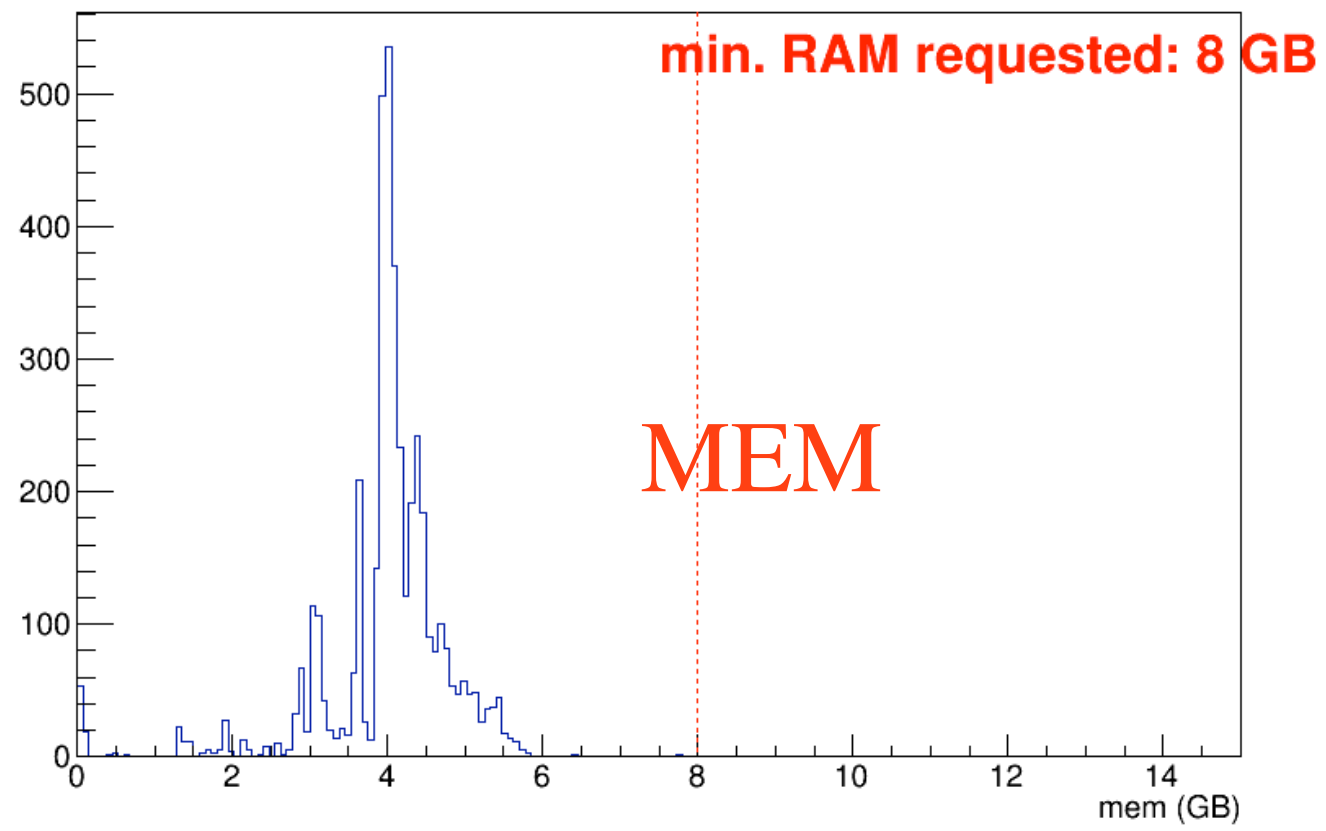
# Current Launch

- 2015-03 ver15 launched on September 25 (Fri)
- 4314 jobs (files) for data from 2015-03

Problem	Explanation	Counts
AUGER-TIMEOUT	Job got hung (?)	1
AUGER-OVER_RLIMIT	Not enough resources (RAM)	7
AUGER-FAILED	No status of job	15
AUGER-INPUT-FAIL	Failed to get input files	1
AUGER-OUTPUT-FAIL	Failed to stage all output files	0
SWIF-SYSTEM-ERROR	SWIF system	14
<b>TOTAL</b>		<b>38</b>

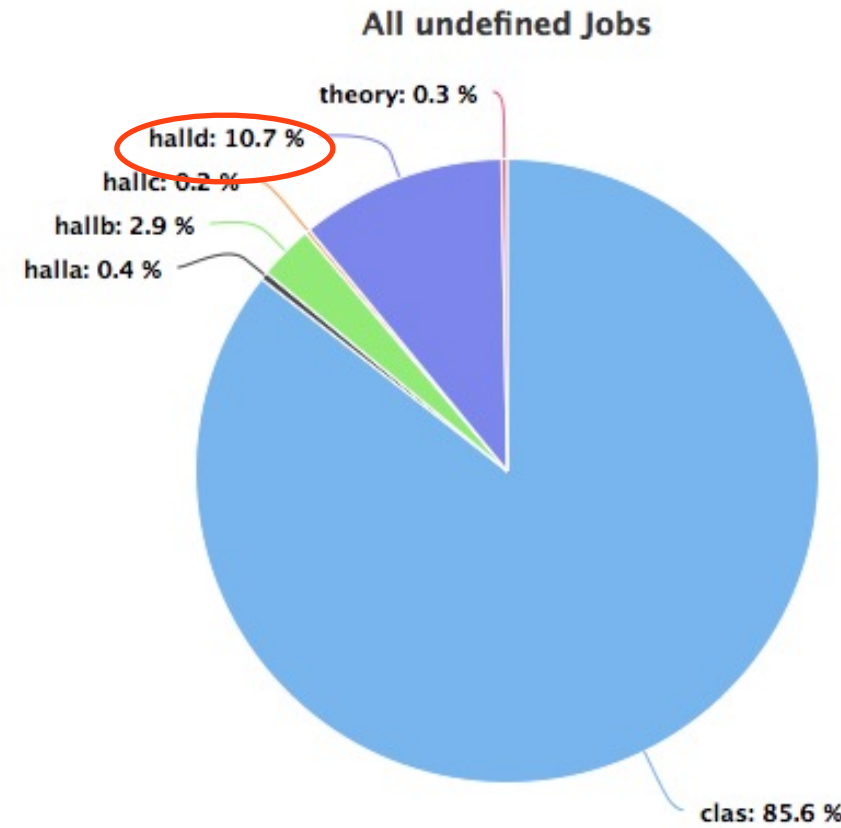
- 38 jobs failed through initial processing (mostly system errors)
- System error jobs reprocessed, resource error jobs reprocessed with more resources





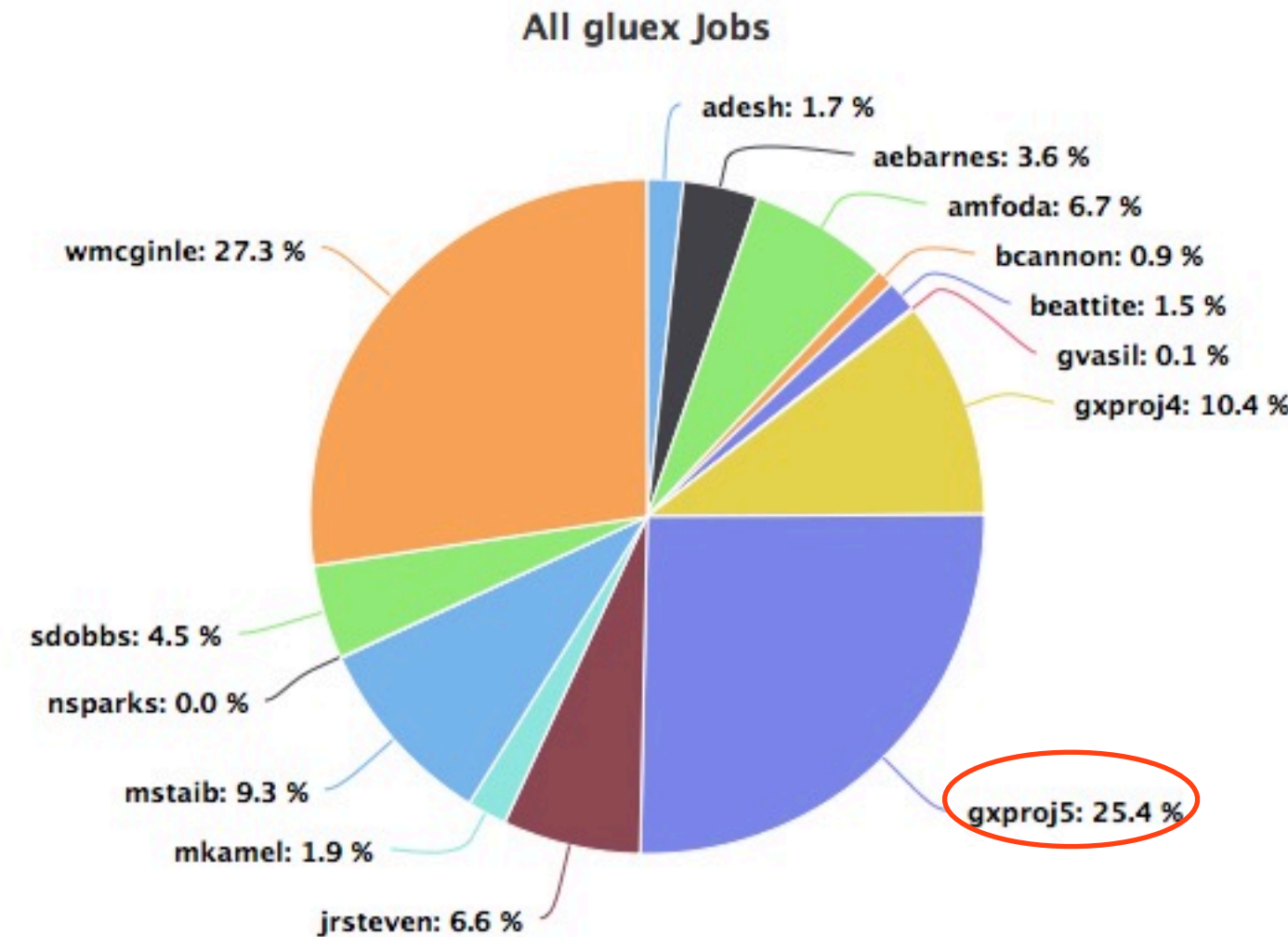
# Farm Environment

- Stats for 2015/09/25 - 2015/09/28



09/25/2015 - 09/28/2015

Hall	Type	Job Count	Process Hour
▶ clas	all	50,131	199,999
▶ halla	all	3,240	912
▶ hallb	all	53,072	6,673
▶ hallc	all	202	527
▶ halld	all	9,262	24,909
▶ theory	all	1,421	674
		<b>117,328</b>	<b>233,693</b>



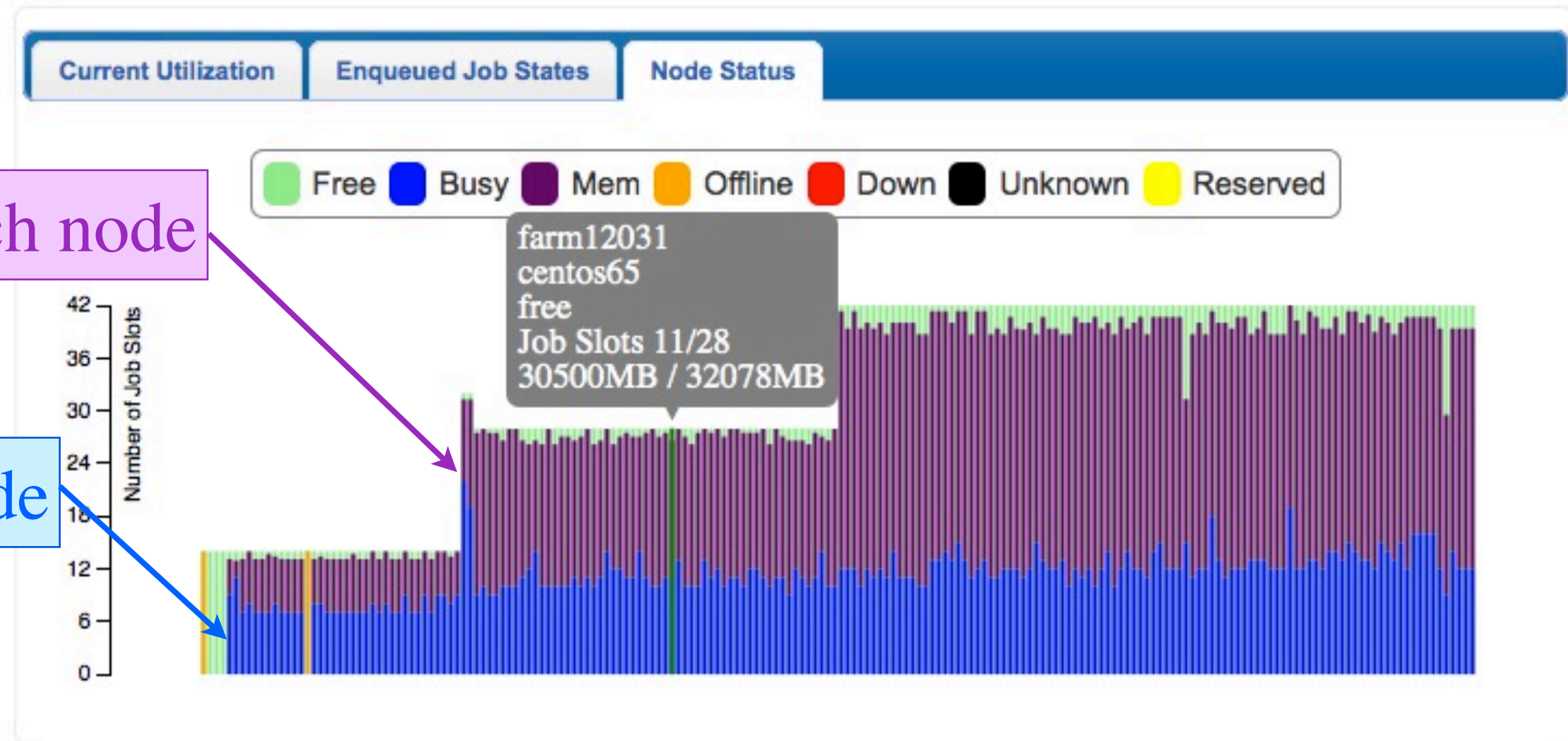
# Memory Usage on Farm

- Go to <http://scicomp.jlab.org/scicomp/#/>, click on top banner

Memory usage within each node

# of slots used for each node

Blue and purple bars are independent of each other, **\*not\*** stacked



- Most nodes using only a fraction of available CPU slots
- Memory is in full usage, restricts starting of new jobs
- Representative node has 42 slots, 32 GB of RAM

# Moving Forward

- Due to new plugins, now require 8GB of RAM to run jobs - some pruning of unnecessary histograms would be welcome
- Request by Mike S. that only certain runs be run with `-PBCAL:USE_TDC=1`, unfortunately bug in script made all runs processed with this option
- Started on BCAL cosmics 2015-06 ver03 on September 29 (Tue)
- Next launch is this week, October 2(Fri)
- Any need for running over 2014-10 Data?