MC Production

Doug Gingrich
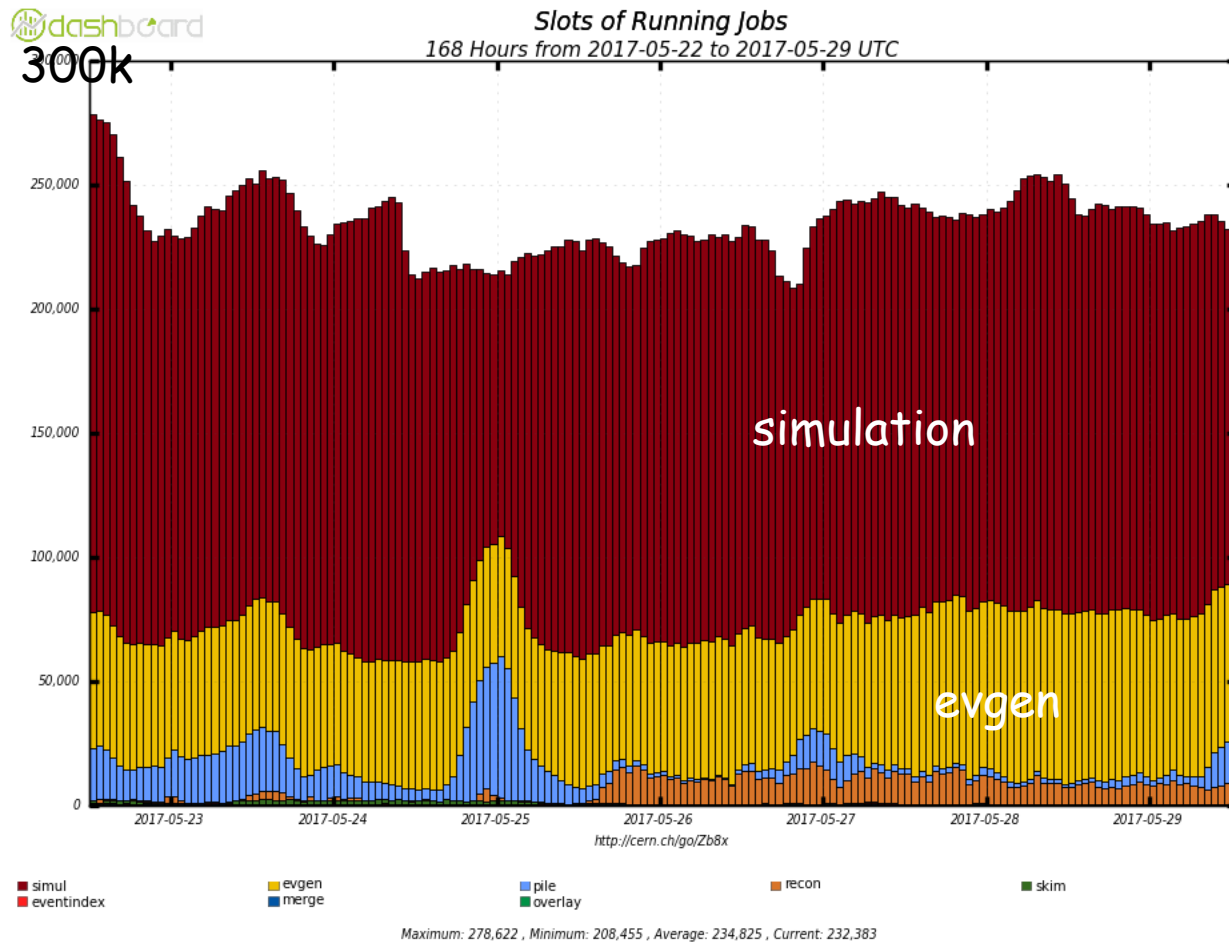University of Alberta and TRIUMF
Junichi Tanaka
University of Tokyo

MC Production - Resource Utilization
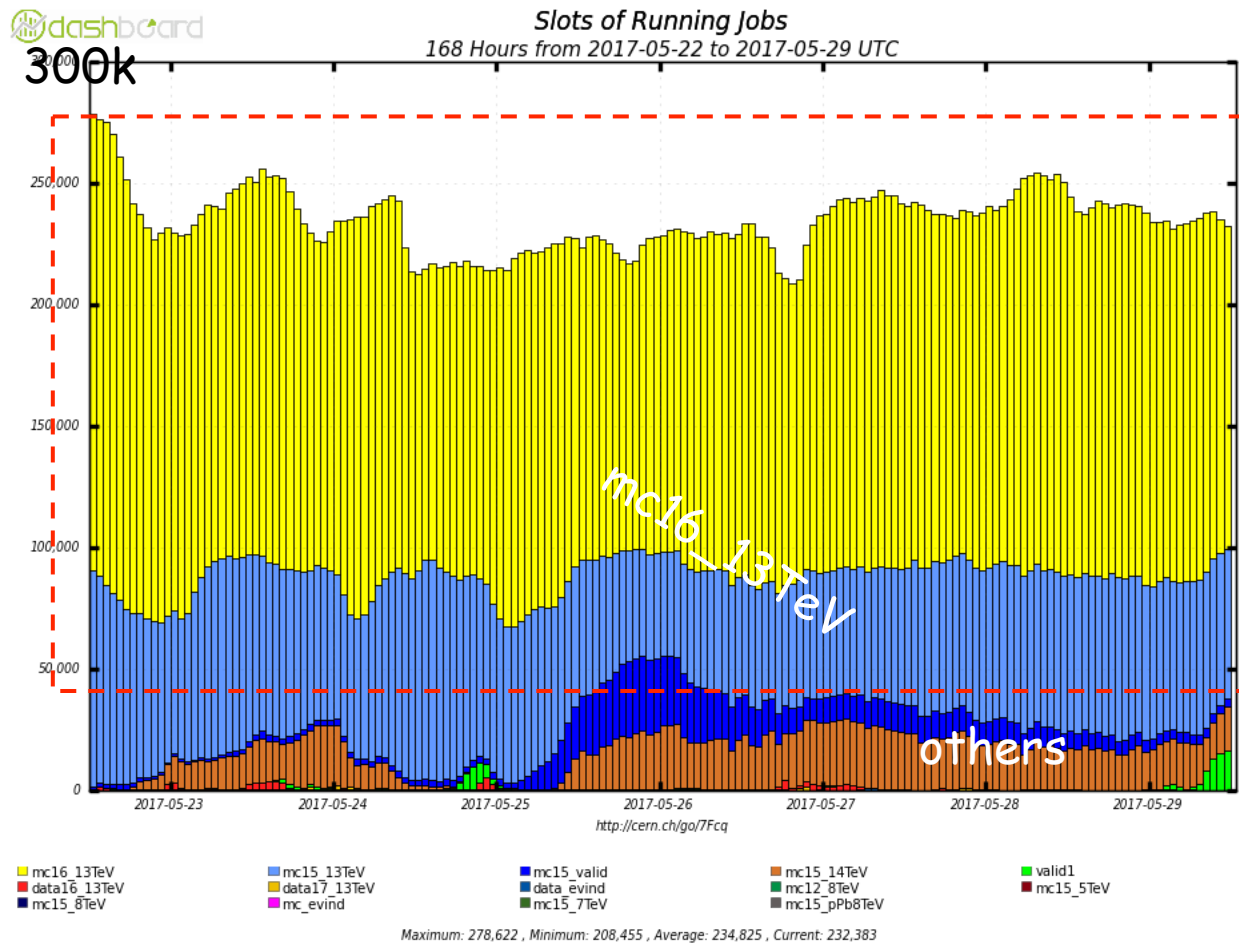
Slots of running MC jobs

Slots of Running Jobs
168 Hours from 2017-05-22 to 2017-05-29 UTC

300k

Maximum: 278,622 , Minimum: 208,455 , Average: 234,825 , Current: 232,383

- MCProd currently 80% global share.
- Essential all MC16c.
- Current global share and evgen/simul balance is what we want.
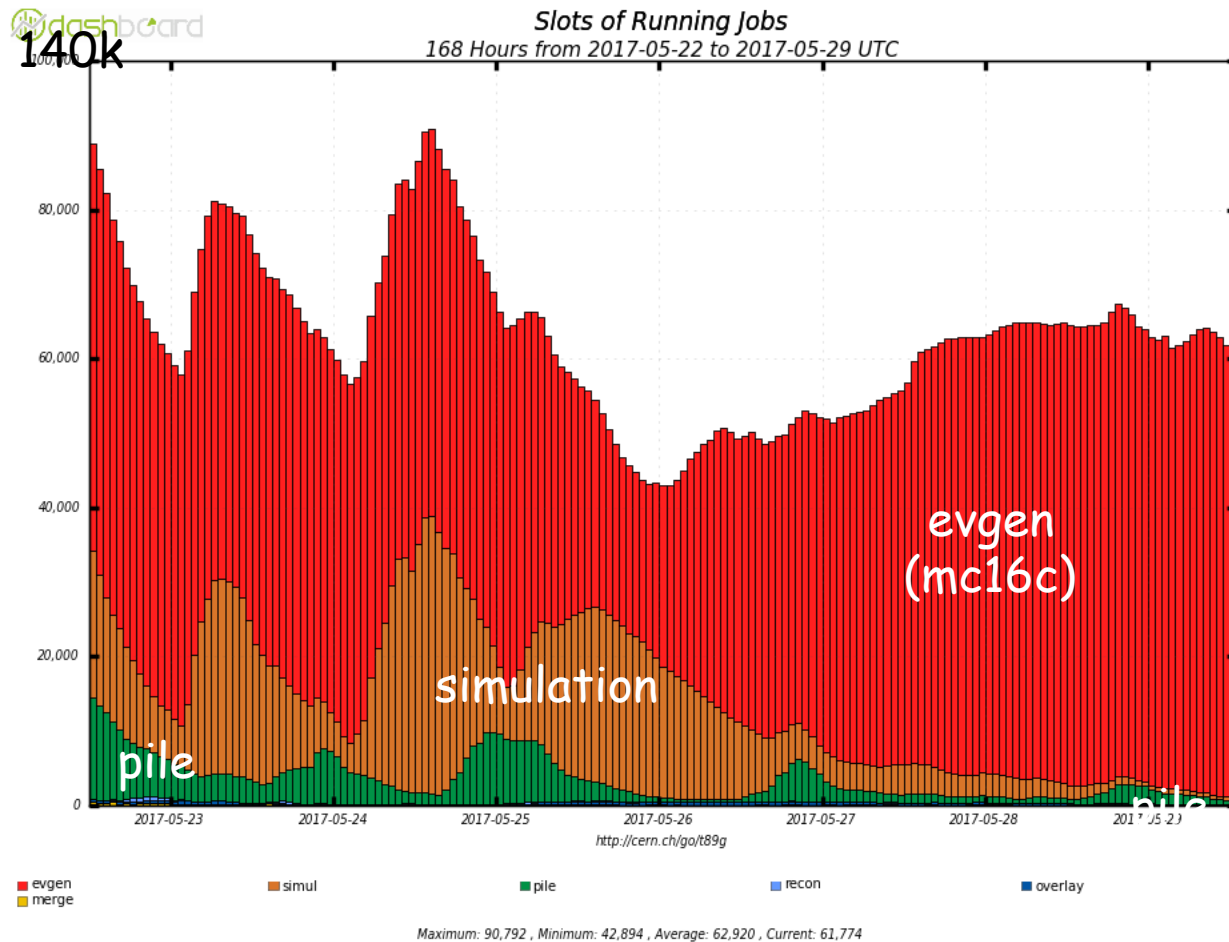
MC Production - Campaign Utilization

Slots of running MC jobs

- MC16c evgen is in project mc15_13TeV but has campaign m16:mc16c.
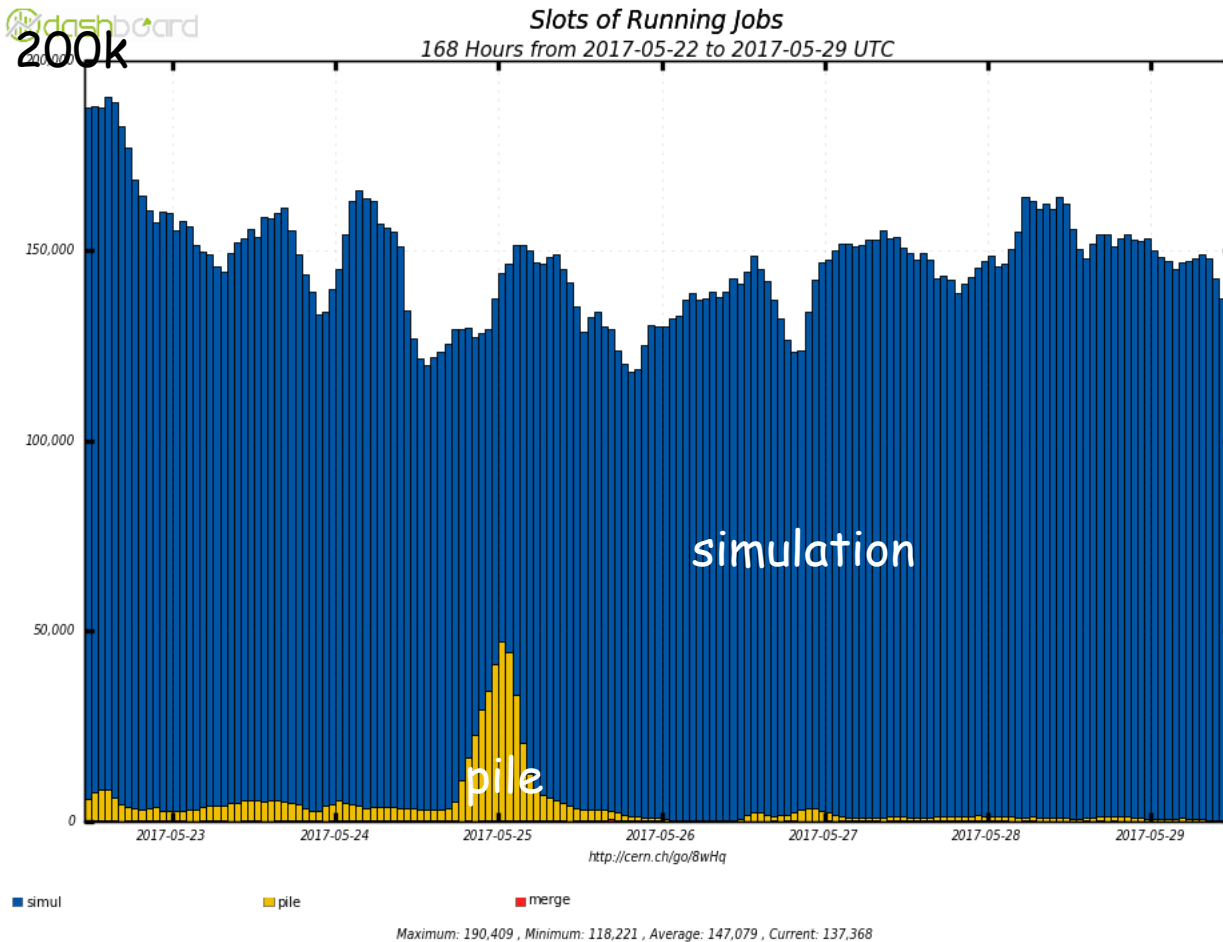
MC Production – mc15_13TeV Utilization

Slots of running mc15_13TeV jobs

- evgen is mostly mc16c.
- mc15c is small, mostly evgen.
- ~500M waiting events (tasks pending/ready).
- ~200M not submitted or approved

MC Production – mc16_13TeV Utilization

Slots of running mc16_13TeV jobs

Slots of Running Jobs
168 Hours from 2017-05-22 to 2017-05-29 UTC

simulation

pile

simul   pile   merge

Maximum: 190,409 , Minimum: 118,221 , Average: 147,079 , Current: 137,368

- Mc16a finished for now (CP samples only).
- Mc16c running evgen + simul (not pile for now). (CP samples only).
- 4 HPC tasks running BONIC/Titan.
- ~40% evgen finished; ~50% simul finished.