

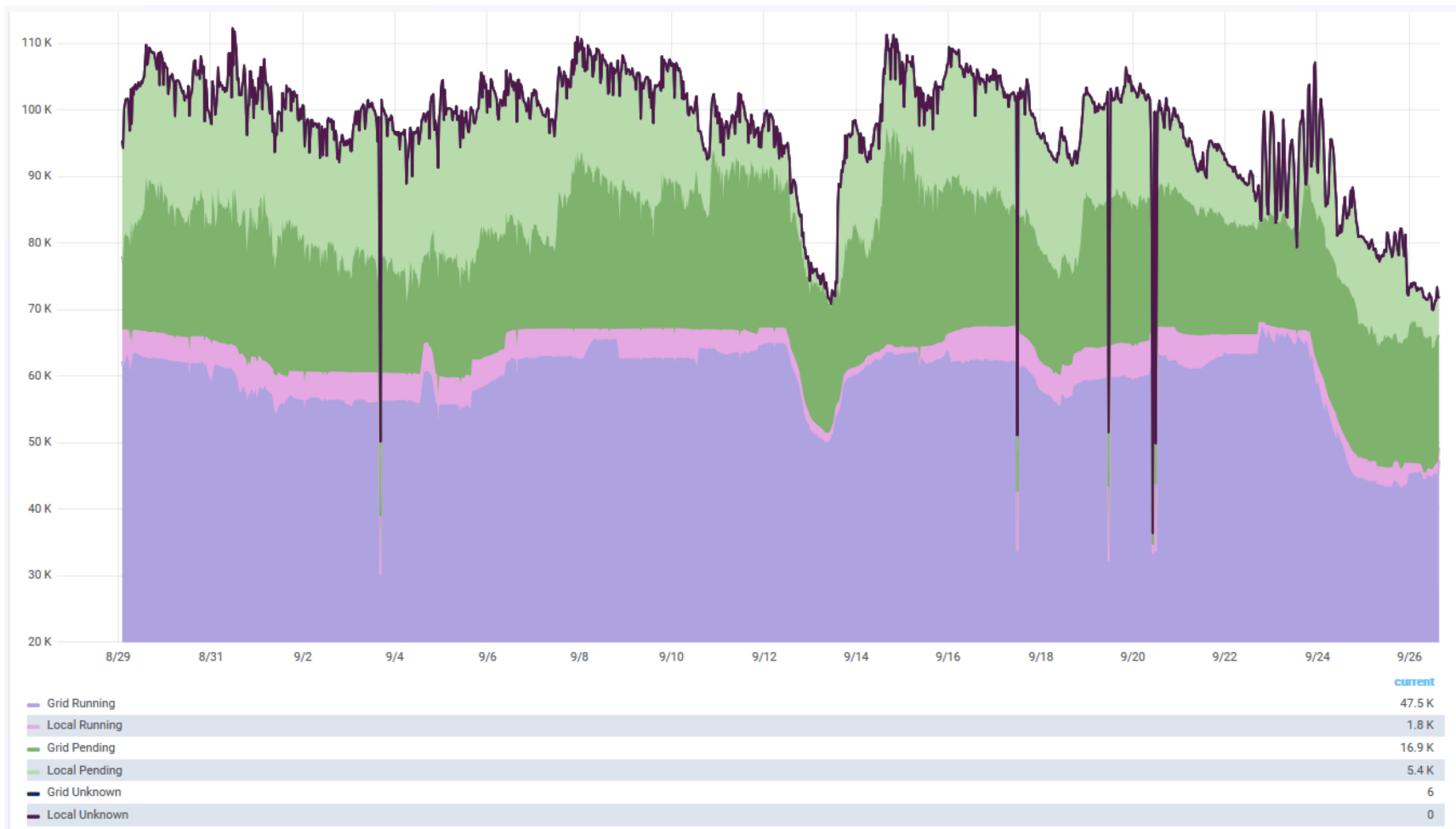
Evoluzione Farming

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Job trends



Computing resources

- Farm power: approx. 410 KHS06
- 2017 tender (EPYC 7351) giving good feedback
 - Power consumption 22 KW (vs an average of 13)
- 2019 tender procedure yet to be started
- CINECA: experienced high I/O load on some cos7 nodes due to some experiments changed pattern
 - Reconfiguration with raid0 of a half the nodes
- We will dismiss “old” resources when Virgo extra-pledge request will end (approx. 56 KHS06)

Issues and developments

- Still slowly migrating to centos7
 - All LHC VOs are ready, issues come from smaller ones
 - Rule: all new machines and UIs are installed with centos7 only
 - CPU2017, CINECA, CPU2015 (migrating now) run centos7
 - 276 KHS06
 - CPU2016, ReCaS, CPU2014 (to be decommissioned) run sl6
 - 203 KHS06
- Several critical updates had to be applied during this period, involving resource draining
 - Time consuming process
 - GPFS modules do not always compile against latest kernels

Deployment of condor pilot

- Small simple instance in place (1 CM + Collector, 2 submit nodes (UIs), a few WN; latest stable, mix sl6, Cos7)
- Setup of HTCondor-ce completed (ce01-htc.cr.cnaf.infn.it:9619).
 - Connected to CMS factory, jobs running
 - Extending to other LHC
- LSF licenses will expire 31 dec 2018
 - Still usable, but no updates or patches can be applied after that date

Task force HTCondor

- Proposta di Stefano Dal Pra per «costituire una knowledge base INFN e codificare linee guida, convenzioni e best-practices specifiche per il caso d'uso dei nostri siti Grid»
- Sperabile coinvolgimento di Milano, Bari, Padova, Legnaro
- Finita la “conta”, si terra’ una fono per organizzare i lavori
- Aggiornamenti sullo stato dei lavori durante il prossimo CdG