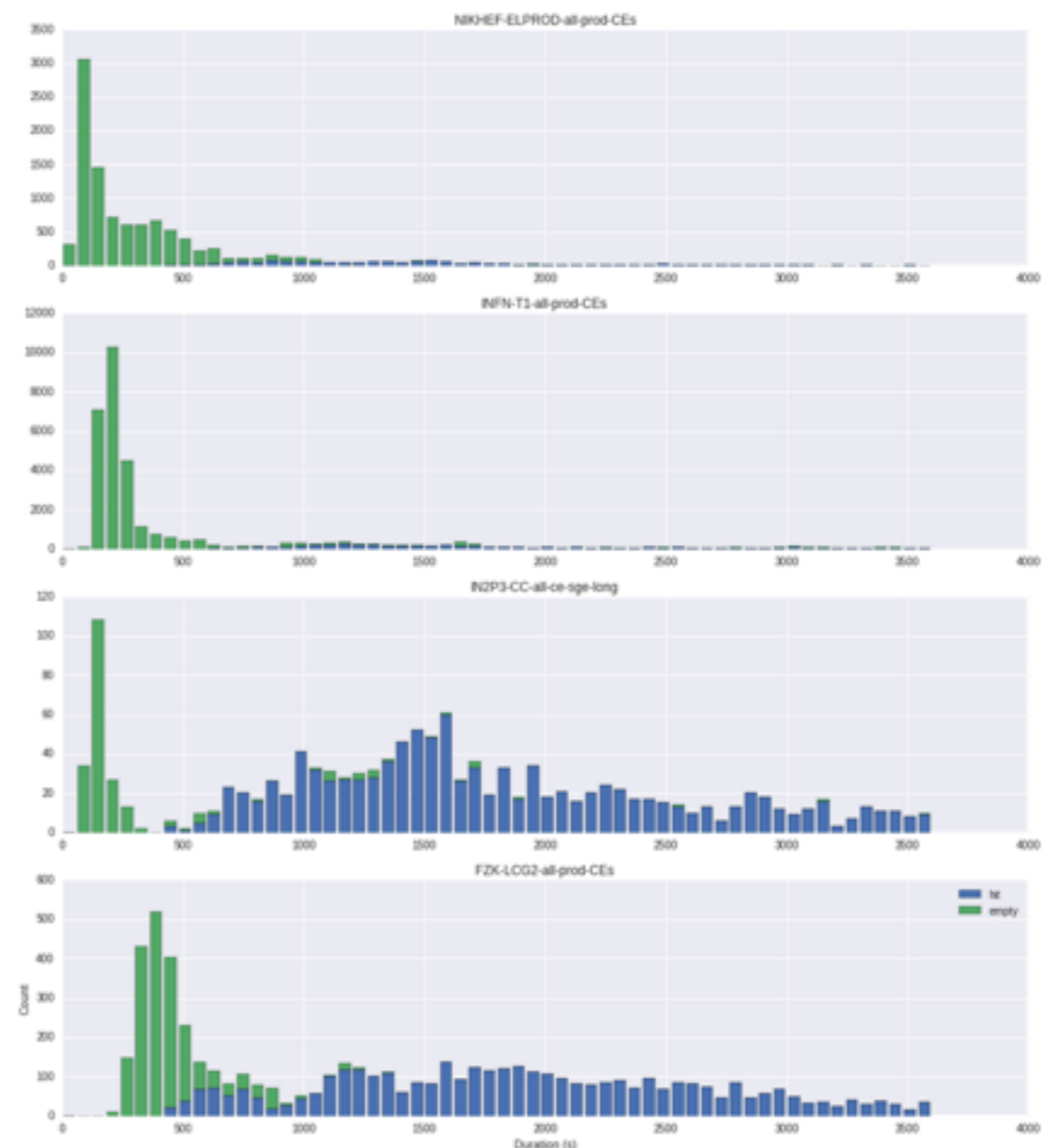


Analysis of empty ATLAS pilot jobs

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In this analysis we quantify the wallclock time used by short empty pilot jobs on a number of WLCG compute resources. Results show a wide variation of wallclock time used by short jobs depending on the site and queue, and changing with time. The mean fraction of wallclock time used by short jobs over a single month can range from 0.1% to 0.9% depending on the site.

Duration of Completed jobs < 1hr, with and without payload



| Site (August 2016 daily data) | Fraction of wallclock for short jobs (mean \pm stddev) | Fraction of short jobs (mean \pm stddev) |
|----------------------------------|--|--|
| CC-IN2P3 | (0.08 \pm 0.11)% | (25 \pm 14)% |
| FZK-LCG2 | (0.22 \pm 0.69)% | (40 \pm 24)% |
| INFN-T1 | (0.01 \pm 0.01)% | (2 \pm 3)% |
| MANC-HEP | (0.14 \pm 0.13)% | (28 \pm 17)% |
| NIKHEF-ELPROD | (0.88 \pm 1.81)% | (41 \pm 30)% |