

ALICE T2 Operation and Plan in Hiroshima and Tsukuba

**The 8th ALICE Tier-1/Tier-2 workshop
in Derby, University, UK
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ALICE Tier-2 at Hiroshima

- ALICE T2 site “JP-HIROSHIMA-WLCG” with EMI-3 on SL6.8... **as stable as possible.**
- GRID service; APEL, sBDII, CREAM-CE, CVMFS/Squid, **EOS**, VOBOX... **as compact as possible.**
- WN resources; **1,284 Xeon-cores in total**
Xeon5365(4c@3.0GHz) x 2cpu x 20 blades
Xeon5570(4c@2.9GHz) x 2cpu x 26 blades
Xeon5670(6c@2.9GHz) x 2cpu x 3 blades E5-2470v2(10c@2.4GHz) x 2cpu x 16 blades E5-2640v4(10c@2.4GHz) x 2cpu x 28 mod's
- Storage; **1,032TB disks** on 8 servers, but **no MS**
- Around **3/4 resource** deployed to ALICE GRID, and the rest for local commodity
- Firewallled; **Fortigate 1500D/L3**
- Network; **10Gbps/IPv4** connected to SINET5 at Hiroshima DC
- WLCG support by ASGC in Taiwan
- Responsible/operated by Prof. Toru Sugitate w/remote technical support by **SOUM corp.**, Tokyo





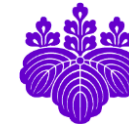
↑ 16 WNs from Hiroshima U



← Another 16 WNs from Hiroshima (Dec. 2016)

Member:

- T. Chujo (responsible)
- S. Kato (technical staff)
- [to be joined in May] R. Hosokawa (D3, RA)



筑波大学
University of Tsukuba

Status:

- OS: SL6
- MW: EMI 3.1
- Configuration:
 - 6 service nodes (X5355; 4 cores x 2 cpu, @2.6GHz)
 - 20 worker nodes (X5355; 4 cores x 2 cpu, @2.6GHz)
- On July 4th, 2016, Tsukuba T2 started the operation as a production site.
- Able to accept 125 jobs running on average, but suffering from manpower issue to stable operations and maintenance.
- Suspended the operation due to some problems in CE and network after the scheduled power outage in October.
- Network: connected to SINET-5 via HepNet-J network.

Plan:

- Adding R. Hosokawa as a new Tsukuba T2 operator and maintenance, starting in May 2018.
- Making the Tsukuba Tier 2 operational...

◆ Status at Hiroshima

- Major replacement done in March 2017, making 10 Gbps connection to SINET-5.
- Successfully operated without any stop throughout the year.
- In April 2018, added 2 WNs, accepting 2232 jobs (previous 2184 jobs).
- Since Oct 2017, there were massive file transfer.
 - ALICE::Hiroshima::EOS(640TB) is 95 % full
- Toru Sugitate will retire within one year.
- Unknown frequent “FAIL” results on ADD tests from this Jan. at Hiroshima::EOS.

◆ Status at Tsukuba

- Can accept 120 jobs, but facing the manpower issue for the stable operation...
- A new person (R. Hosokawa) will join in Tsukuba T2 team.
- Try to recover to the previous operational stage ASAP.

Thanks for your attention