



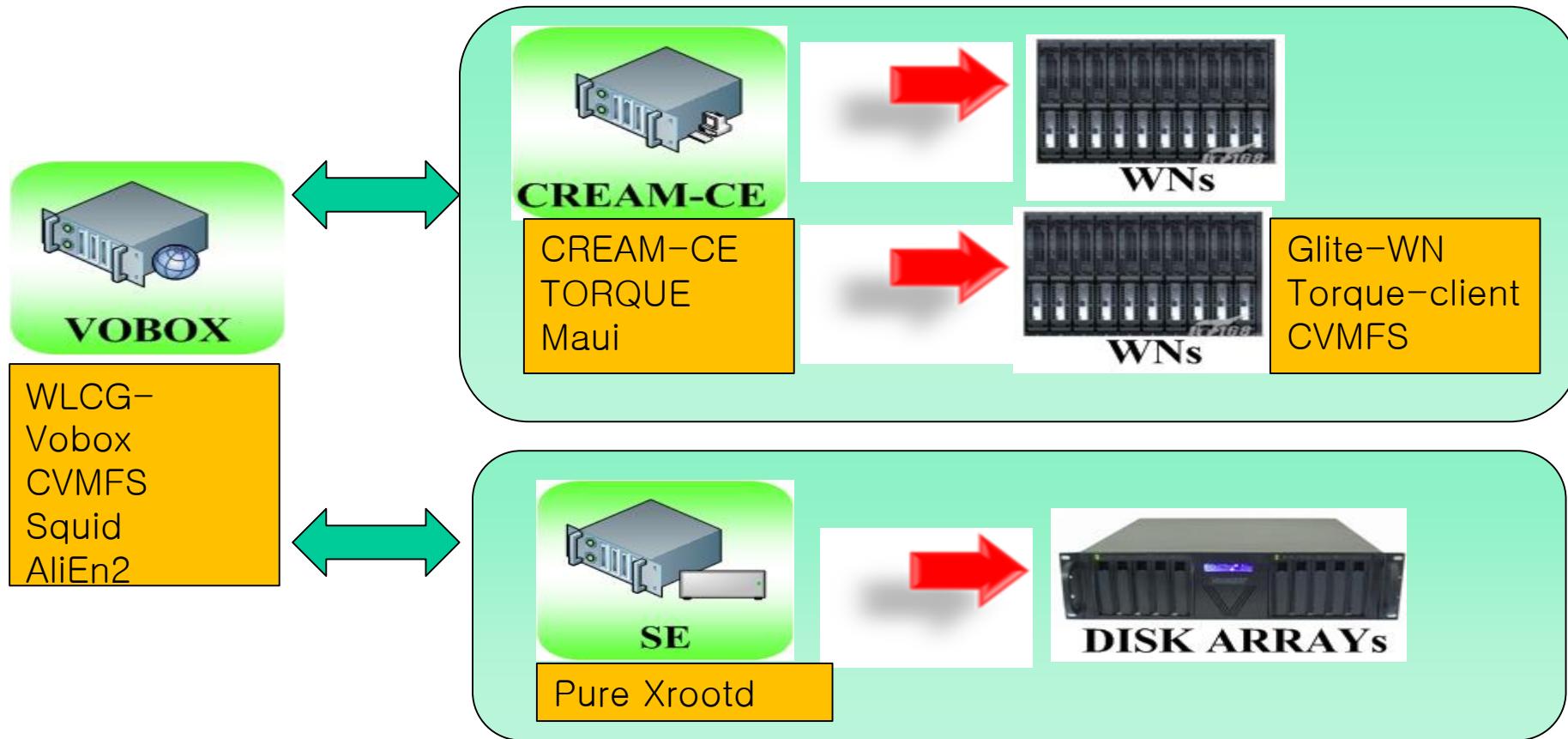
# ALICE Tier2 at CCNU

Jianlin Zhu

Central China Normal University, Wuhan, China



The  
**Present**





## MonALISA Repository for ALICE



My jobs My home dir Catalogue browser LEGO Trains ★ Administration Section ALICE Reports Alert XML Feed Firefox Toolbar MonaLisa GUI

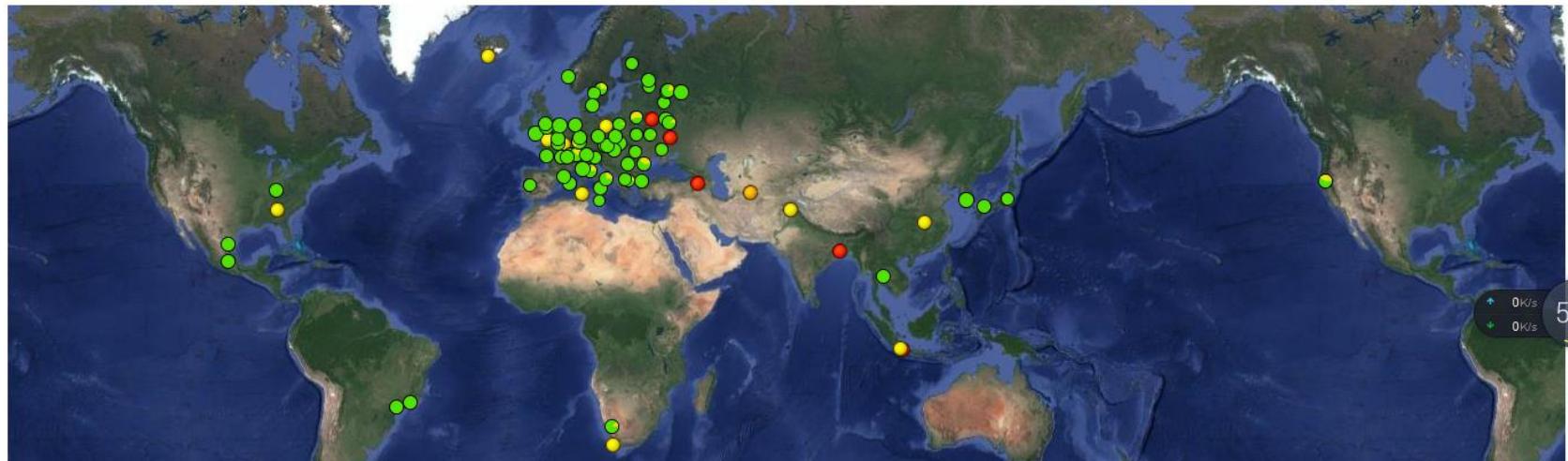
**ALICE Repository**

- ALICE Repository
- Google Map
- Shifter's dashboard
- Run Condition Table
- Production Overview
- Production info
- Job Information
- SE Information
- Services
- Network Traffic
- FTD Transfers
- CAF Monitoring
- SHUTTLE
- Build system
- HepSpec
- Dynamic charts

[close all](#)

[This page: bookmark, URL](#)

[Running jobs trend](#)





### 240 cores

- 24 cores, 50GB RAM, 280GB disk
- Scientific Linux CERN
- MonaLisa monitoring

### *Storage*

- 12 cores, 50 GB RAM
- ThinkServer RD530, 80TB
- Pure xrootd

### Job management - CREAMCE

- Transparent job submission
- 8 cores, 16GB RAM, 120GB disk

### *WLCG-Vobox*

- 8 cores, 16GB RAM, 120GB disk

- Site:

- Computing Element (CREAM-CE)

- Gateway to local computing resources

- Worker Nodes ( TORQUE+CVMFS)

- Storage Element (SEs - Xrootd)

- Pure Xrootd > Version 4

- Vobox

- WLCG-Vobox

- CVMFS+Squid

- AliEn2





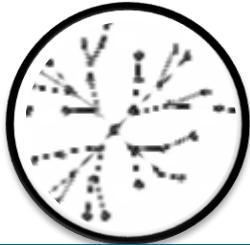
## RESOURCES

Expertise IT Team



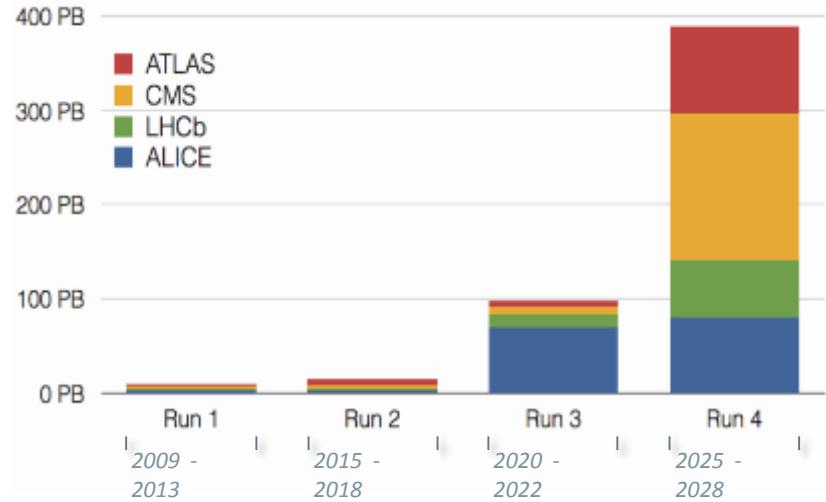
## COMPUTE PERFORMANCE

- GPU-based cluster



## NETWORK

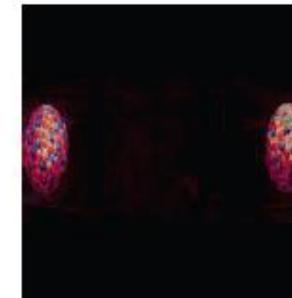
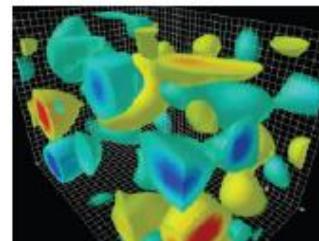
The network bandwidth



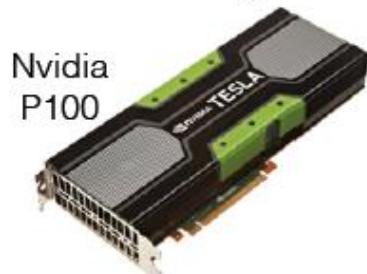


**First installation: Peak performance 1 PFlops/s, 500 TB storage**

- ➊ Lattice QCD
- ➋ Heavy Ion Experiment
- ➌ Phenomenological calculations
- ➍ .....



High Performance, Low Power Consumption



~ 1/10 Italian Cineca Supercomputer 'MARCONI'@2016

# Budget in the year of 2016

- In total 19.2 million RMB (equivalent of c.a. 2.6 Million Euro gross) for the current fiscal year
- 12 Million RMB (~1.6 Million Euro) for computer/network hard(soft)wares
- 5.2 Million RMB (~0.7 Million Euro) for a new computer room and cooling devices
- 2.0 Million RBM (~0.3 Million Euro) for electricity circle upgrade and relevant facility





yyooyoos880.com

ขอบคุณเป็นอย่างสูง

Thank you so much!

