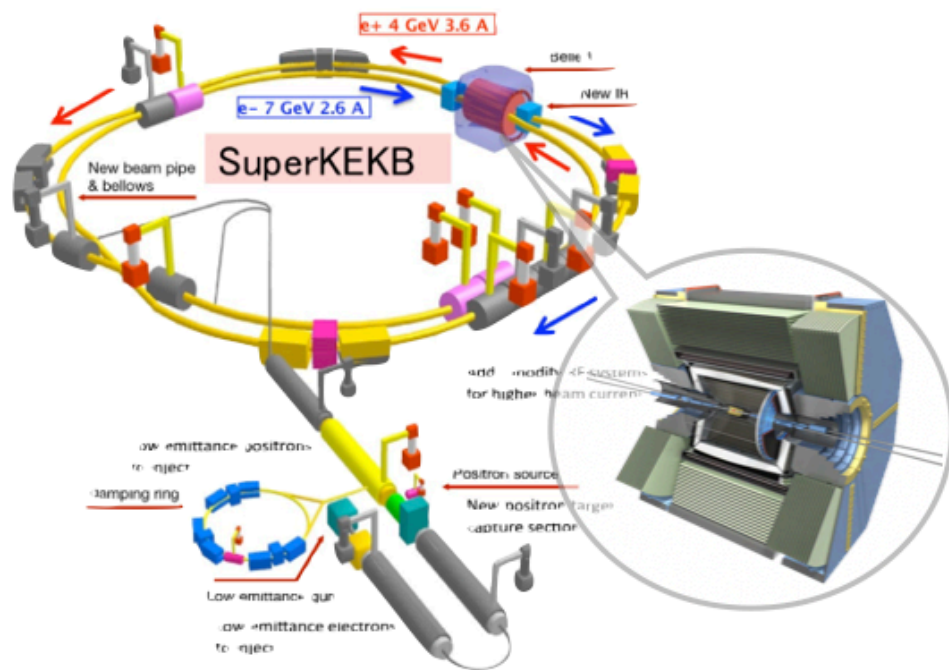# Improvement of analysis job efficiency at Belle II distributed computing system

Hikari Hirata
Nagoya Univ.
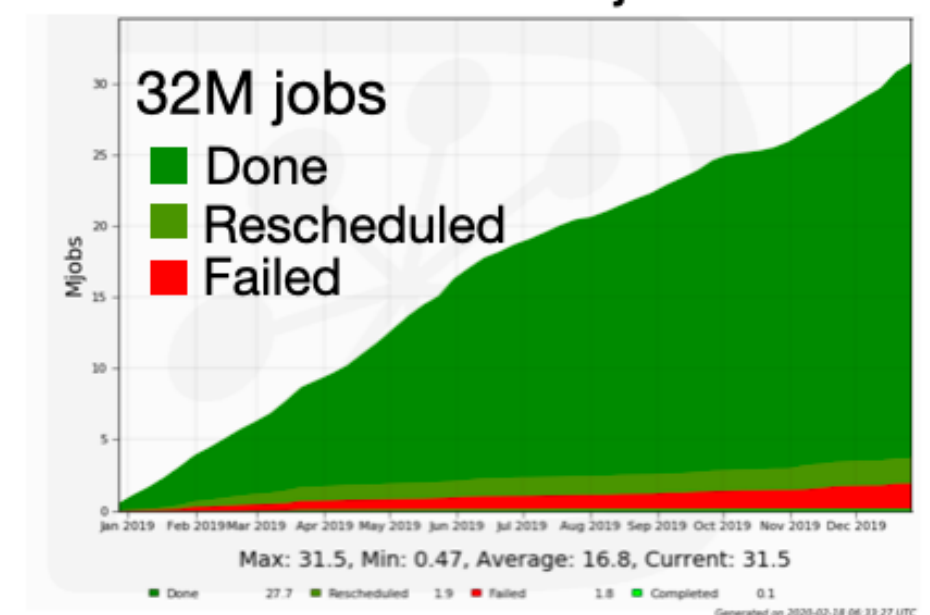
Belle II is next-generation B factory experiment with an e^+e^- collider at Tsukuba, Japan
→ Started to take data in 2019, and accumulate data by ~2030
(File size: O(100) PB)

Huge computing resources are required
→Operate with distributed computing system

6% jobs were failed in 2019, and
Main cause is problematic analysis scripts
→ It makes analysis job efficiency worse…

Cumulative executed jobs in 2019

32M jobs

- Done
- Rescheduled
- Failed

Max: 31.5, Min: 0.47, Average: 16.8, Current: 31.5

Done   27.7   Rescheduled   1.9   Failed   1.8   Completed   0.1

Generated on 2020-02-18 06:33:27 UTC

Improvement of analysis job efficiency at Belle II distributed computing system

Hikari Hirata
Nagoya Univ.

To prevent mass failure of jobs, 2 features are developed

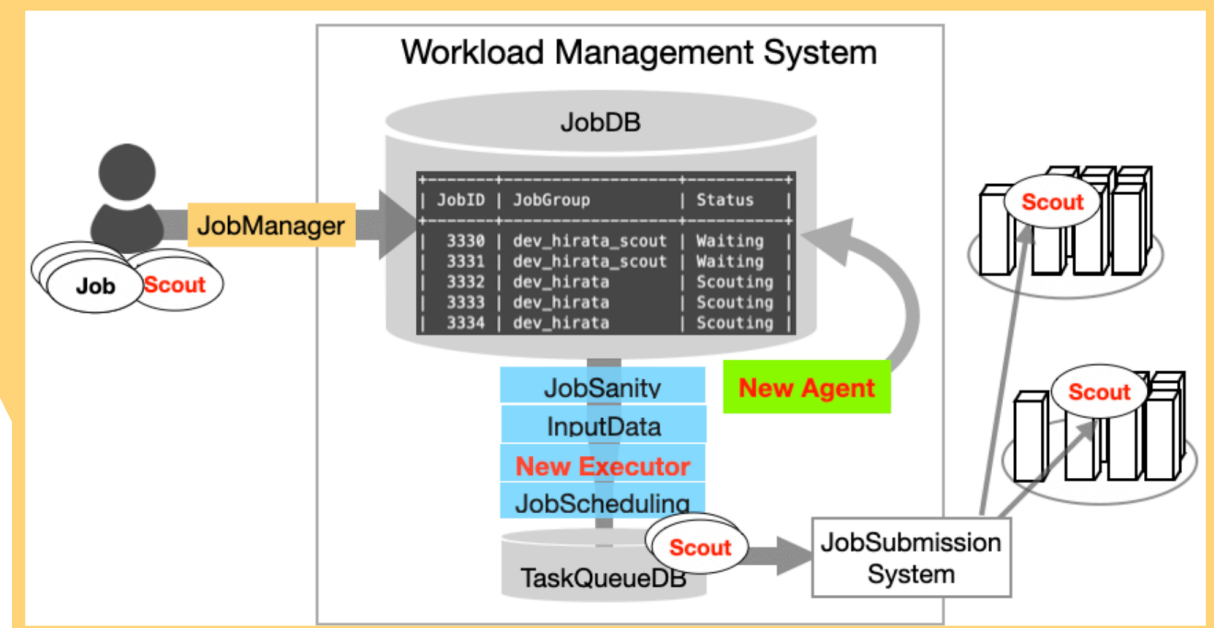For all jobs,
Python Syntax Check
at local environment

For huge job submissions,
Execution of Scout Jobs
on distributed computing system

→ In this poster, overview about the system and the features will be given