# Conclusions

DIRAC Users' Workshop

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https://indico.cern.ch/e/duw10

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DIRAC

THE INTERWARE

# What we achieved

- Lots of discussions
  - Which is good of course, even if the agenda was very late

- We will have a DIRAC chatbot!

- Fruitful hackathon session
  - 20 VMs were kindly provided by in2p3. Personal K3 "clusters" were installed on them, and DiracX running there
    - Special mention for Bertrand
  - SSLSubmission for HTCondorCE not only useful for a single community

# Some take away points

- **DIRAC-Rucio** integration work done by Belle II is becoming a mature practical solution. Many communities are interested by that. We have to provide guide lines to help them to set up their combined installations – documentation, use cases, assistance.

- Transformation validation agent developed by CTAO example shows that may be a simpler solution (plugin) can be employed if the developers would be aware of it - which indicates that the information flow in the project can be still improved.

# Some take away points

- The disastrous situation with a
  general resources information index suggests that we can
  be more proactive in making it evident and in suggesting solutions,
  e.g. Adding VO related tags to the resources description in the GocDB.
  - But that would not even be enough... so maybe we need to think at "our" solution

- CWL as an emerging standard is
  considered to be used on different levels of
  the DIRAC Workflows (jobs, transformations, productions). May be,
  DIRAC itself can be adapted as a backend for other
  CWL based workflow engines.
  - On the other side, maybe DIRAC can be a backend for CWL

# Some take away points

- Multiple communities consider using iRods for data management. Would be interesting to consider DIRAC-iRods integration along the same lines as DIRAC-Rucio.

- Clouds: increasing interest
  - as an opportunistic, or "specific" resources

- Sharing practical tips of operations of DIRAC installations can be quite useful and should be collected in the documentation, e.g.
  - MySQL optimization (defragmentation)
  - Setting open files limits in the runsvdir service configuration
  - Reusing DIRACOS2 for multiple DIRAC/DiracX versions, e.g. in the CVMFS repos
  - Etc, etc.

# Next appointments

- Next BiLD: July 4th

- Next DIRAC hackathon: July 11th
  - On the NEW box

- Next DiracX Hackathon at CERN: 17th and 18th September
  - Is it OK for you?

# DIRAC Workshop 2025

TBC, but

# 18th - 20th September 2025
# IHEP, Beijing

# Local organization

As in 2018, just perfect!
Thank you Vanessa!

# Have a safe trip back!