

ILD GRID Production

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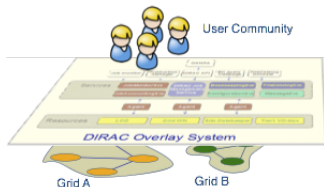
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DIRAC & ILCDIRAC

- DIRAC project is a complete Grid solution.
 - DIRAC forms a layer between a particular community and various compute resources.
- ILCDIRAC forms a layer on top of DIRAC providing the computing needs of linear collider experiments.

ILD Mass productions with ILCDIRAC

- ILD has adopted `ilcdircac` for its mass productions.
 - Reliable, scalable, easy to use, good experts support.
 - Other experiments already using it: CLIC, BelleII, Sid.



ILD running productions w/ ilcdircac sucessfully

- Many requests completed promptly and efficiently.
- ILD modules works well at the 4 ilc energies: 250, 350, 500, 1000.
- Lots of effort on improving/extending existing tools for monitoring the productions.

Interface for ddsim

- Next round of detector optimisation will use simulation/reconstruction based on DD4hep.
- Latest ilcdircac release includes interfaces to simulate using DD4hep.
- First test completed successfully : #16134371 (user job).

TODO

- ILD production modules out of sync with official repository
 - Lack of manpower.
 - Volunteers for include my running modules into official repo. are welcome!
- Test production job running ddsim interfaz.

- ILD should have a stable Monte Carlo group.
 - With regular meetings.
 - More than 1 active member.
- Current situation relies on the efforts and enthusiasm of individuals.
- Lack of expertise when those individuals left their current positions.
- A successful mass production campaign (e.g. for detector optimization) demands a solid structure.

ILD Productions

- ILD is successfully running its mass productions using ilcdirac.
 - Many official request completed successfully using this new tool.
- Improving existing tools to monitoring the productions more effectively.
- Preliminary tests ddsim w/ ilcdirac successfull.

Outlook

- Test ddsim in ILD production job.
- We need to assign people to run ILD productions.
 - At least one!
 - An ILD MC group with experts would be desirable.