

MC Productions With `ilcdircac`

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ILD Analysis/Software Meeting

May 13, 2015

dirac & ilcdircac

- dirac (*) project is a complete Grid solution.
 - dirac forms a layer between a particular community and various compute resources.
- ilcdircac forms a layer on top of dirac providing the computing needs of linear collider experiments.

Future ILD Mass productions with ilcdircac

- ILD has decided to use ilcdircac in its next mass productions.
 - Reliable, scalable, easy to use, good experts support.
 - Other experiments already using it: CLic , BelleII, Sid .
- ILD is preparing the transition into using ilcdircac in their next mass productions.

(*) Distributed Infrastructure with Remote Agent Control

Status

- `ILD` is able to run mass productions using `ilcdircac`.
 - It has being shown that samples produced with `ilcdircac` are consistent with DBD ones (*)
- We have received request to produce 6f samples @ 500 GeV .
- There are more request: e.g. in the talk of Felix today.

(*) See AWLC15 talk for further details: ([here](#))

Plan

- We are ready to start production of the requested samples.
- We plan to start the 6f @ 500 GeV this week.
 - Generator files for this production are being generated from other `ILD` colleagues.
 - What about the other requests?



- I heard at AWLC15 that generator group want to comeback.

(*) It would be so nice, i am their #1 fan!

ILD LFN Convention Not Fully Satisfied

- `ilcdirac` introduces the `productionID` and `jobID/1000` in the basename of the LFN.
- `ilcdirac` introduces the `productionID` and `jobID/1000` between detector model and basename of the LFN.
- After consulting `ilcdirac` maintainers:
 - Changing that behaviour not trivial.
 - Modifications would affect `Sid` or `CLic`. It would also affect the LFN of the production log files.
 - Currently there is no plan to perform such modifications.
- `ilcdirac`: `SAME/4f/ILD_o1_v05/v01-16-p05_500/00004128/000/rv01-16-p05_500.sv01-14-01-p00.mILD_o1_v05.E500-TDR_ws.l250008.P4f_ww_h.eR.pL_dst_4128_1.slcio`
- DBD: `SAME/4f_WW_hadronic/ILD_o1_v05/v01-16-p05_500/rv01-16-p05_500.sv01-14-01-p00.mILD_o1_v05.E500-TDR_ws.l250008.P4f_ww_h.eR.pL-00001-DST.slcio`

This is my personal opinion

- We cannot ask SiD/Clic to follow ILD LFN convention after years of being heavy users of `ilcdirac`.
- I don't think this could be a severe issue for anyone.
- Using `ilcdirac` in ILD mass productions deserves to pay such small price.

All `ilcdirac` Productions share module setting LFN names

```
"""
Utility to construct production LFNs from workflow parameters
according to LHCb conventions.
```

```
@author: S. Poss
@since: Jun 16, 2010
```

```
"""
```

- Example: `ilcdirac` prods. for CLic, Sid and ILD
 - clic prod dst: `/ilc/prod/clic/380gev/yyxylv.o/ILD/DST/00004583/000/yyxylv.o.dst.4583.135.slcio`
 - sid dst:
`/ilc/prod/ilc/sid/250_p80m20/e2e2h_mh125p00/sidloi3/DST/00002081/004/e2e2h_mh125p00_p80m20_dst.2081.4670.slcio`
 - ILD dst:
`/ilc/prod/ilc/mc-dbd/ild/dst/500-TDR_ws/4f/ILD_o1_v05/v01-16-p05.500/00004128/000/rv01-16-p05.500.sv01-14-01-p00.mILD_o1_v05.E500-TDR_ws.l250008.P4f_ww.h.eR.pL.dst.4128.1.slcio`
- Example: ILD name convention at DBD:
 - ILD DBD (without `ilcdirac`):
`/ilc/prod/ilc/mc-dbd/ild/dst/500-TDR_ws/4f.WW_hadronic/ILD_o1_v05/v01-16-p05.500/rv01-16-p05.500.sv01-14-01-p00.mILD_o1_v05.E500-TDR_ws.l250008.P4f_ww.h.eR.pL-00001-DST.slcio`

Summary

- ILD is ready to use `ilcdirac` in its mass productions.
- Several requests to produced new samples already received.
- ILD LFN name convention cannot be totally satisfied.
 - Prod.ID and jobID/1000 added to LFN (in `basename` and `path`).

Plan

- We would like to start 6f @ 500 GeV production this week.
 - Generation of whizard files almost complete.
- To attend other requests we need to know who will be on charge of the generation of the whizard files.