

New MC campaign

WEIZMANN
INSTITUTE
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Background

- ◉ **Sasha** has prepared tar file:
 - ◉ pre-configured for background in the e-laser case
 - ◉ without terminating tracks in dumps and shielding
- ◉ Can be downloaded from:
 - ◉ [https://www.desy.de/~oborysov/
lx_hics_background_naf_7671ee4c.tar.gz](https://www.desy.de/~oborysov/lx_hics_background_naf_7671ee4c.tar.gz)
 - ◉ /nfs/dust/luxe/group/MCProduction/Background/elaser/
31082021_7671ee4c/lx_hics_background_naf_7671ee4c.tar.gz
- ◉ There is info.txt with short instructions
 - ◉ it is tested on DESY naf
 - ◉ should work out of the box with HTCondor and access to CVMFS

Background

- ◉ Last time
 - ◉ 5 BX of e+laser
 - ◉ Sasha+Louis+Arka ($\sim 4.9e9$ grid)
 - ◉ Arka ($\sim 0.1e9$ WIS)
 - ◉ Maryna+Rajendra+Beate ($\sim 2.3e9$ dust-ilc)
 - ◉ John ($\sim 0.1e9$ UCL)
 - ◉ 5 BXs g+laser
 - ◉ all done in DESY, UCL and WIS (no grid)
- ◉ Need at least 2(?) BXs initially to get going
 - ◉ $1.5e9$ primary electrons per bunch
 - ◉ total of $\sim 3e9$ electrons
- ◉ How to split?
 - ◉ ILC VO grid (?)
 - ◉ DESY
 - ◉ WIS
 - ◉ UCL
 - ◉ TAU (?)

Signal

- ◉ Signal jobs will be executed by Sasha at DESY
 - ◉ what is highlighted in green here: <https://confluence.desy.de/pages/viewpage.action?spaceKey=LUXE&title=Scans>
 - ◉ also here it is done without terminating tracks in dumps and shielding
- ◉ Will be available on NAF