

MC production status report

FD1-HD FD2-VD MC beam production (24 million events)

reco1 : Low-level reconstruction, up to hits reconstruction → August 2023

reco2 : High-level reconstruction. Pandora, PID, CVN → request sent end of November, campaign in preparation

FD1-HD atmospheric production (15M of events)

reco1: finished

reco2: will follow

```
-bash-4.2$  
-bash-4.2$ samweb list-files run_type fardet-hd and dune.campaign fd_mc_he_2023a --summary  
File count:      147002  
Total size:      154302230161228  
Event count:     15763915
```

Requests in preparation:

NP02 cosmics, radiological simulation: Yoann is setting up the workflow and evaluating CPU and storage needs → resources asked for 2024 considering ~80k cosmics events

LE production: Laura P. is preparing this request

Reference links

Production [wiki page](#)

Production and processing campaign policy document available on DocDB ([DUNE-doc-29278-v3](#))