CAF production and LE request: planning for upcoming weeks

Production meeting, September 19th, 2024

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1. CAF production (13 samples, ~392K files to process) [google doc](#)

- shifters: Aaron Elisabetta

- where we are: next presentation
  (~392K files to process , 150k files already processed)

- what's next: 1) process FD1-HD and FD2-VD samples (12 samples, ~250k files)

  1. minor modifications of the jobscript already used ~ 1 day (including one test workflow)
  2. need to identify sites where to run for the input samples (6+6) ~ timescale?
  3. once defined, 12 datasets can be processed in ~ 1 week, 10 days

  2. and 3. can be done in parallel

	site
atmospheric	Prague
FD1-HD	
FD2-VD	

2) prepare next step: further merging of caf output files to obtain files of « good » size to be copied on tape (~1GB).

- Starting point: this presentation

- Heidi already prepared scripts used to merge calibration output from keep-up processing → identify what has to be changed in order to use these scripts also for CAF files   timescale?

Weekly production team meeting
Thursday Aug 22, 2024, 4:00 PM → 5:35 PM Europe/Paris

Description https://fnal.zoom.us/j/96806287019

4:00 PM → 4:10 PM **Round table**
Round table

4:10 PM → 4:40 PM **Mx2 Run1 data**
Mx2 Run1 data

4:40 PM → 5:00 PM **Merging**
Merging
Speaker: Heidi Schellman (Oregon state)
audit-run-v09_91_02...   Merging-2024-08-22...

2) LE request : ticket, footprint

- 14 samples, required statistic is different for each sample (from 0.2M to 2.4M)

- FD1-HD, FD2-VD, with and without radiological background

- generation, g4stage1, g4stage2, detsim, reco1. Further processing once Pandora traning is complete

- 9M of events corresponding to 13 samples, 100M for one sample at generation stage, filtered to 1M after G4

- expected data volume: ~1.1 PB

- validation sample : 50k events for each sample (to allow training) , ~55TB

Plan:

- prepare jobscripts, run preliminary tests to validate workflows and metadata
  → ~1 week (update at the production meeting next week)

- next week during the production meeting we will discuss how to organize and run the campaign. Help is needed: call for shifters