

VD coldbox data processing

- A first preproduction has been run in March, run 429 and 455 (November 2021, TDE)

https://indico.fnal.gov/event/53604/contributions/236727/attachments/152901/198259/VD_CBprocessing_EP110322pdf

- The results from this preproduction have been analyzed:

- <https://indico.fnal.gov/event/53777/>
- <https://indico.fnal.gov/event/54070/>

- outcome: → add GnocchiCalorimetry_module

https://indico.fnal.gov/event/54070/contributions/238931/attachments/153924/199858/vg_gnocchi_cal_080422.pdf

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Reconstruction of the full data sample is ongoing

- dunesw version: [v09_49_00d00](#)

3 input datasets:

- runs 414, 426, 429, 431, 445, 455, 456, 457, 458, 459, 471, 472, 473, 480, 482, 483, 484, 485, 486, 487, 489, 533, 534 ([November 2021, CRP1](#)) → **FINISHED**
- runs 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 742, 744 ([December 2021, CRP1](#)) → **FINISHED**
- runs 1272, 1273, 1274, 1275, 1276, 1277, 1289, 1290, 1291, 1292, 1293, 1294, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1335, 1336, 1337, 1338, 1339, 1340, 1341 ([June 2022, CRP1B](#)) → **85%**

~ 1.5M of events

Results are grouped in 3 output datasets:

- `vd_coldbox_top_Nov2021_reco_v094900d00`
- `vd_coldbox_top_Dec2021_reco_v094900d00`
- `vd_coldbox_top_crp1b_reco_v094900d00` (available soon)

Next step → anatree production