

ProtoDUNE-SP Data update

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CRAB meeting

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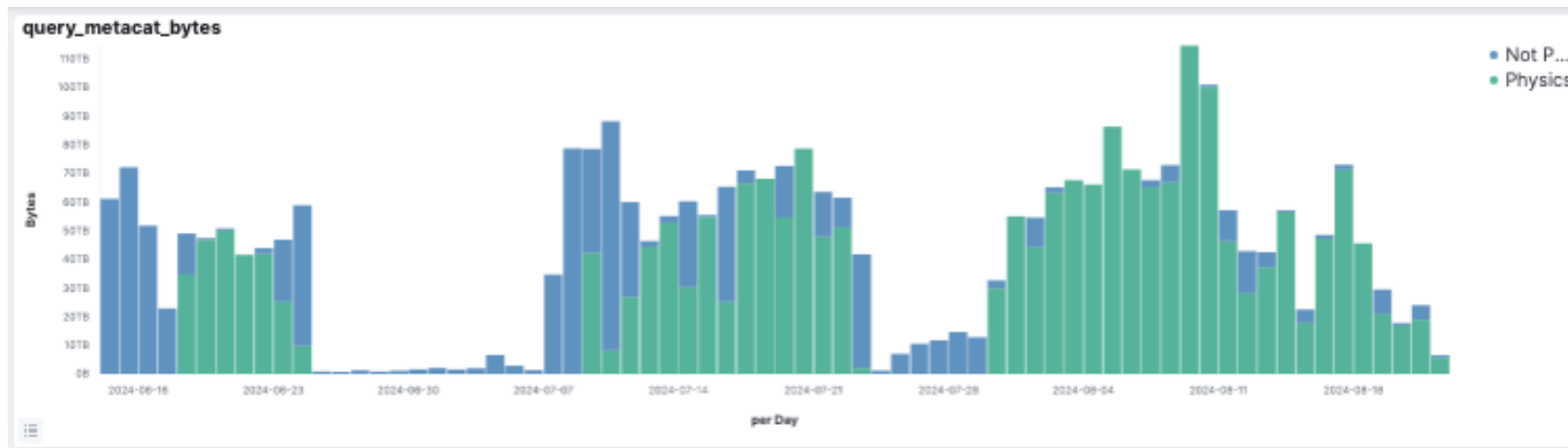
NP04 2024 Beam Data Summary (TB)

Type of data	Total so far	On disk @ CERN	Last week (Aug 14-21)	Projected Usage (total)
Beam Data since 6/19	2146	1244	296	3414 +900 -168
Cosmics Data since 6/19	660	169	21	738-1050
Trig Primitives since 6/19	554	376	91	892
Hd-protodune pre 6/19	800	0	n/a	n/a
Legacy protodune dp/sp	150	150		
Free space @ CERN	2030	2030		346



Work done since last time

- Projections at last CRAB meeting showed we were going to run out of space
- May 2024 projections expected 1.5PB total—we have 4PB already on tape
 - And 3 1/2 weeks left to run
- Early August we had a couple 100TB days
- Cleared almost all the legacy protodune-sp and protodune-dp data
- Have moved all hd-protodune data taken before July 24 to other sites than CERN



Space at other sites

- Several other sites completely full: (IN2P3, PIC, NIKHEF, BNL)
- Manchester migrating, can't take new data, QMUL offline.
- Have garbage-collected as many temporary files as we can.
- Shifted 500TB from tape-backed dCache to disk-only at Fermilab
- About 1500TB free at the sum of all other sites
- Several big productions coming up. Keep-up processing will produce ~900TB of output.
- Need good run flags available and populated in the DB ASAP
- As mentioned 400TB extra coming @ CERN
- Guidelines say we must store 2 copies of MC on disk but there's no agreement on how many kinds of MC there will be. (7 so far!)