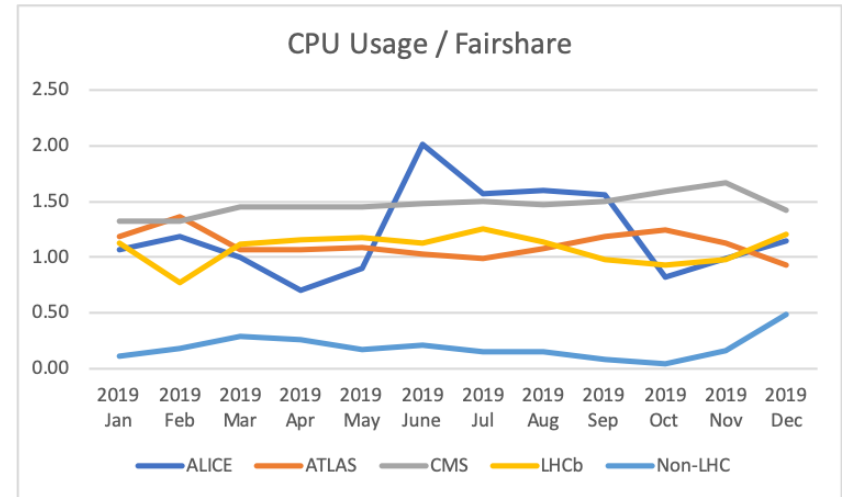
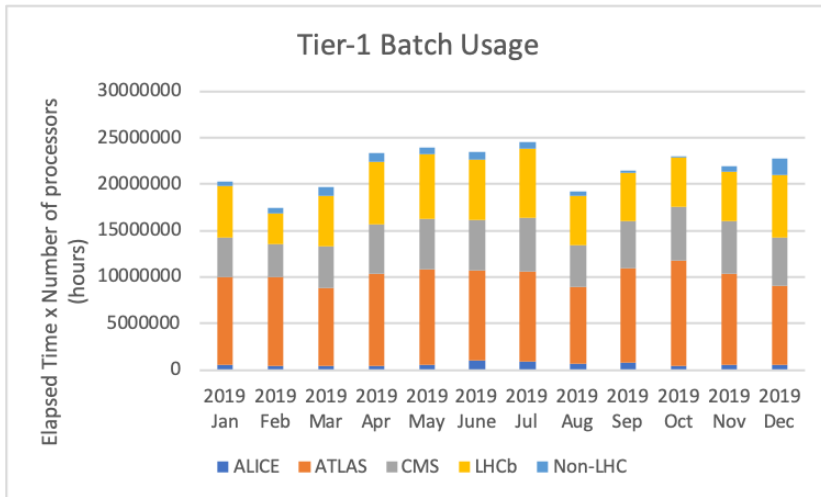


# Experiment Resource Usage

# CPU usage

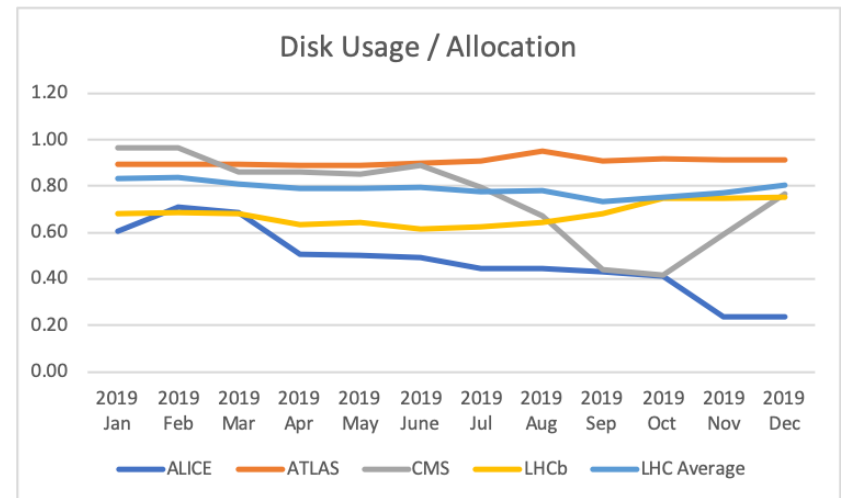
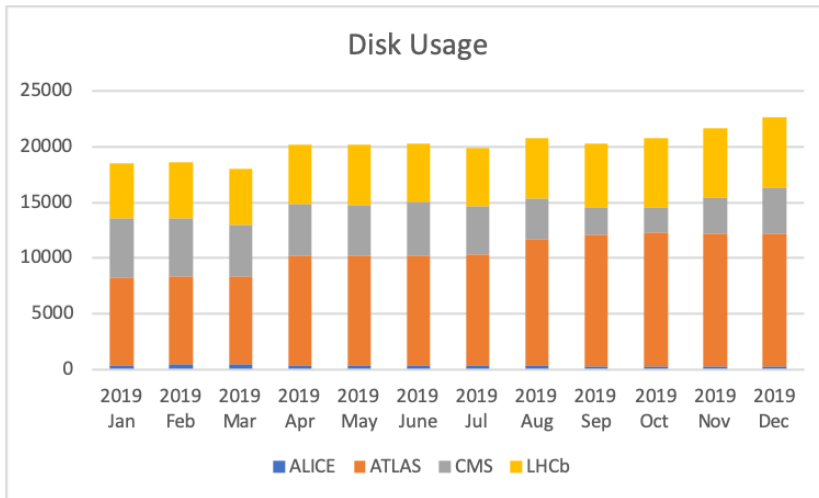


	2019 Jan	2019 Feb	2019 Mar	2019 Apr	2019 May	2019 June	2019 Jul	2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec
ALICE	478,760.99	455,137.25	433,958.11	364,531.07	473,581.05	1,040,066.76	849,747.05	678,848.67	740,635.33	417,636.76	476,931.71	577,618.67
ATLAS	9,556,893.13	9,502,808.43	8,395,983.67	9,993,992.67	10,348,315.81	9,646,874.57	9,698,040.10	8,278,949.81	10,194,617.24	11,389,927.00	9,820,257.00	8,511,746.00
CMS	4,183,464.57	3,614,037.66	4,469,867.23	5,335,180.00	5,459,047.52	5,432,268.57	5,762,545.81	4,439,333.52	5,063,490.38	5,745,714.29	5,745,714.00	5,098,194.00
LHCb	5,615,969.27	3,326,070.62	5,385,667.38	6,661,724.95	6,909,650.76	6,471,373.43	7,548,786.29	5,383,884.95	5,168,849.24	5,260,817.33	5,260,817.00	6,733,941.00
Non-LHC	373,960.21	532,616.06	964,653.97	1,008,495.71	700,909.14	844,067.39	621,407.28	479,540.97	290,890.75	152,486.51	579,032.34	1,854,255.53
Total	20,209,048.18	17,430,670.02	19,650,130.36	23,363,924.39	23,891,504.28	23,434,650.72	24,480,526.51	19,260,557.92	21,458,482.94	22,966,581.90	21,882,752.05	22,775,755.19

- Non-LHC fairshare increase down to LSST.



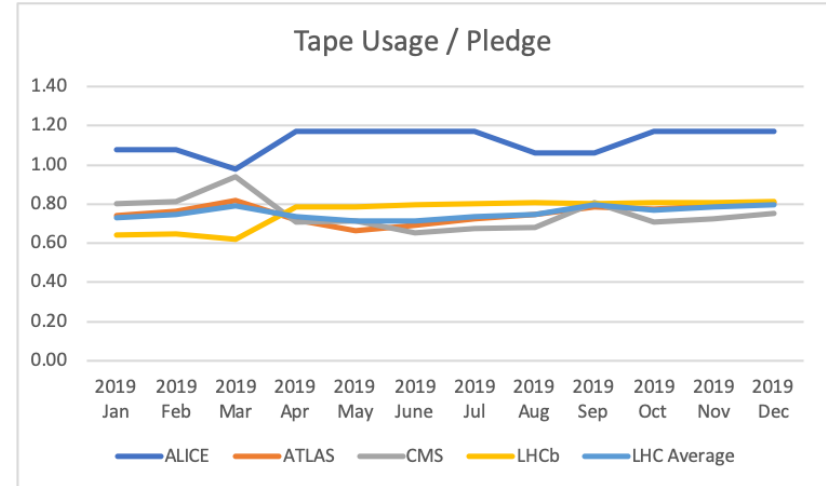
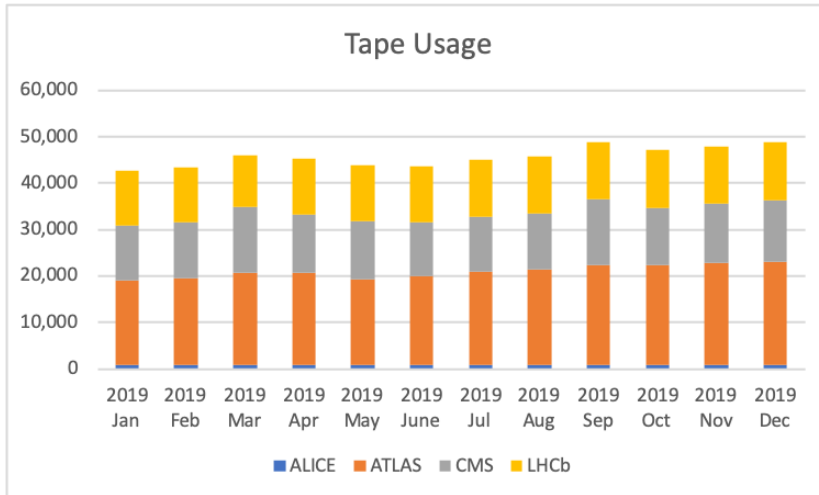
# Disk usage



Usage	2019 Jan	2019 Feb	2019 Mar	2019 Apr	2019 May	2019 June	2019 Jul	2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec
ALICE	387	452	437	384	379	374	336	336	327	311	314	314
ATLAS	7907	7896	7912	9800	9800	9875	10000	11390	11800	11940	11900	11877
CMS	5251	5250	4679	4675	4620	4846	4327	3641	2400	2270	3229	4178
LHCb	4977	5011	4992	5298	5368	5165	5213	5375	5700	6250	6237	6281
Total	18522	18609	18020	20157	20167	20260	19876	20742	20227	20771	21680	22650

- ALICE have migrated to Echo and have been given next years pledge early. Slowly ramping up usage.
- CMS usage returning after accidental draining earlier in year.
- Dune will be included from January 2020.

# Tape usage



Usage	2019 Jan	2019 Feb	2019 Mar	2019 Apr	2019 May	2019 June	2019 Jul	2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec
ALICE	883	882	799	882	882	882	882	798	798	882	882	882
ATLAS	18,102	18,663	19,920	19,785	18,375	19,090	20,046	20,634	21,638	21,361	21,899	22,257
CMS	11,949	12,122	14,070	12,491	12,585	11,475	11,860	12,008	14,181	12,477	12,779	13,258
LHCb	11,728	11,807	11,282	11,999	12,011	12,134	12,226	12,310	12,232	12,340	12,365	12,383
Total	42662.3333	43474	46071	45157	43853	43581	45014	45750	48849	47060	47925	48780