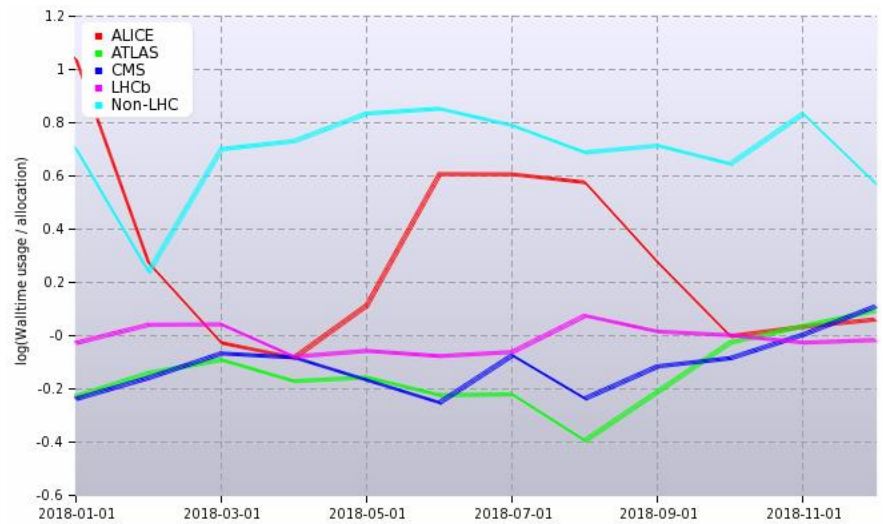
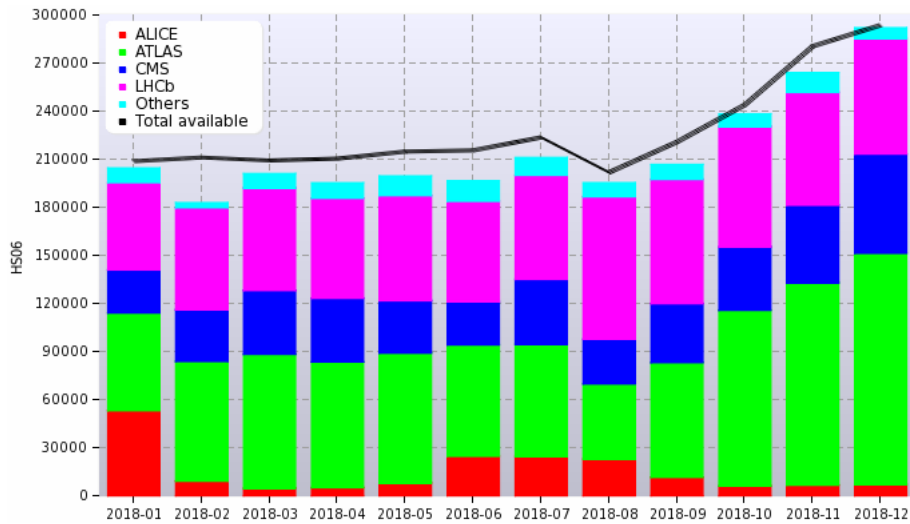


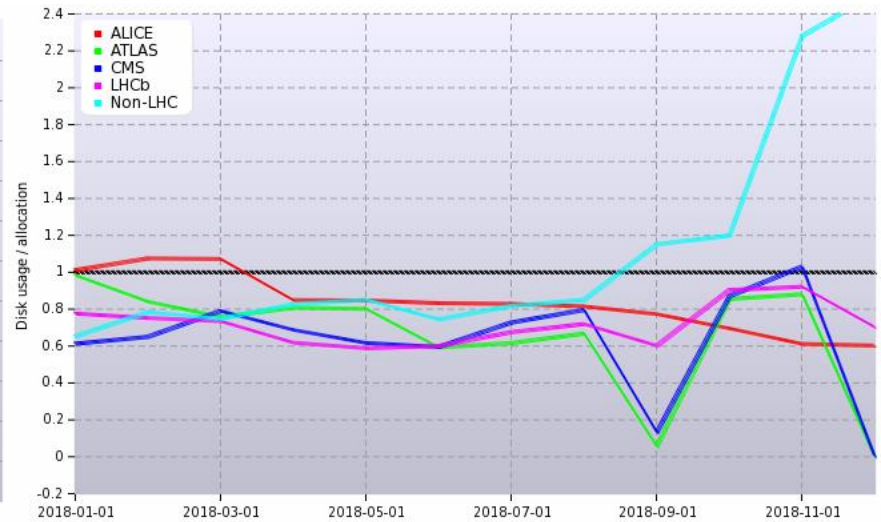
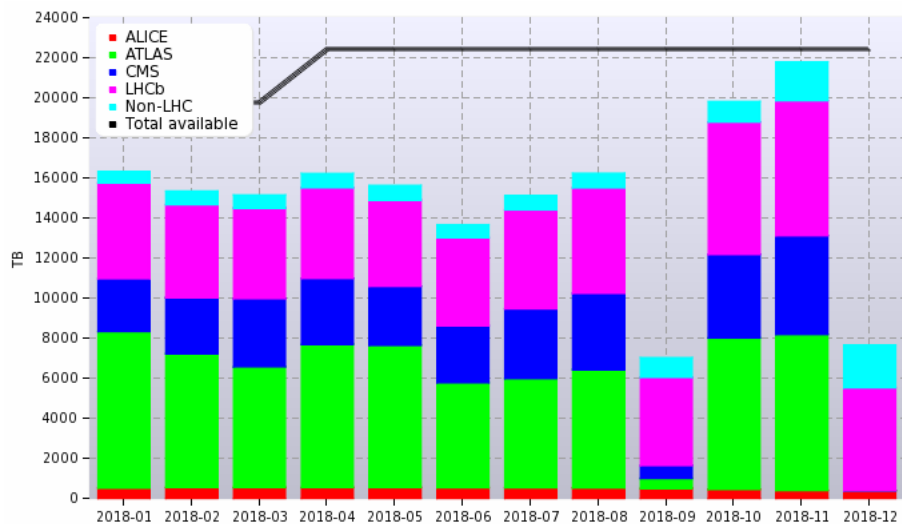
# Experiment Resource Usage

# CPU usage



HS06	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12
ALICE	53109	9089	4548	5019	7899	24597	24553	22897	11461	6050	6562	6994
ATLAS	60987	74680	83734	78458	81108	69549	70003	46906	71610	109688	126291	144326
CMS	26853	32211	39792	39743	32702	26893	40499	27859	36811	39509	48424	61973
LHCb	54489	63767	63952	62405	65608	62717	64957	88943	77548	75127	70460	72060
Non-LHC	8985	3092	8944	9580	12170	12685	10967	8685	9216	7868	12141	6628
Total	204422	182838	200970	195205	199486	196440	210980	195290	206647	238243	263879	291981

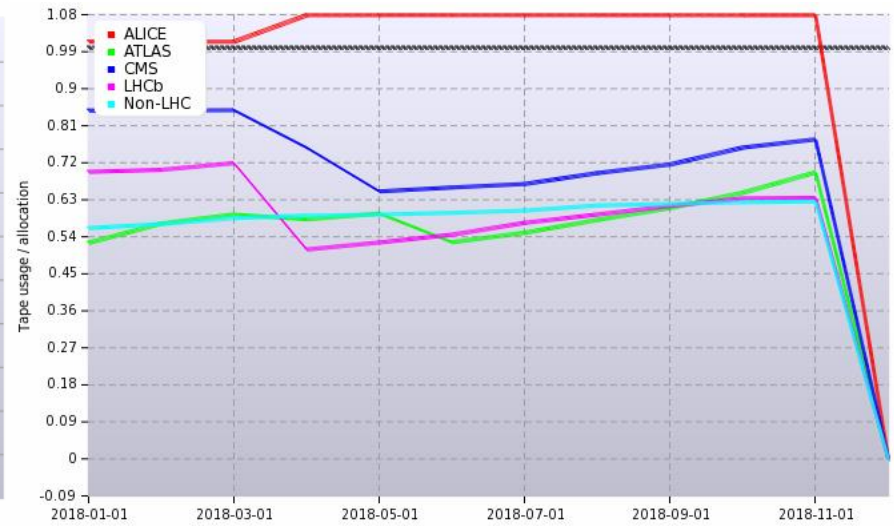
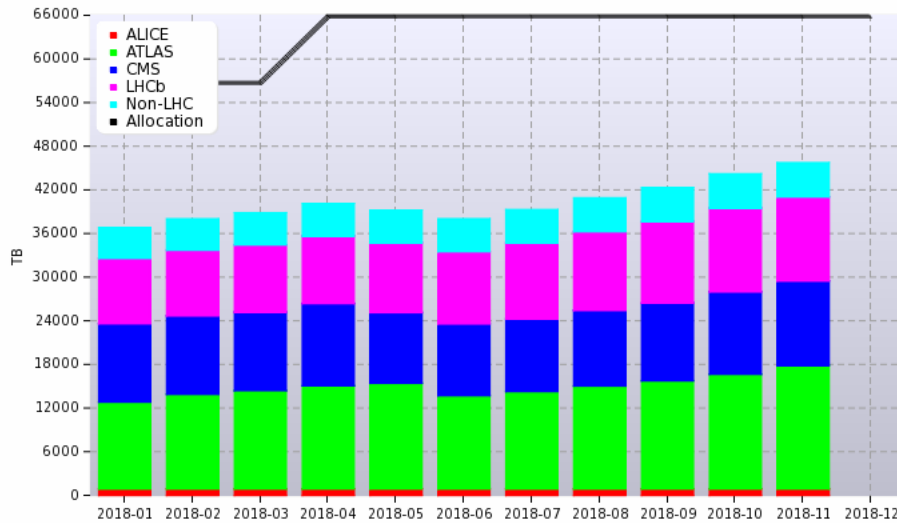
# Disk usage



TB	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12
ALICE	511	543	541	542	540	531	529	520	493	444	390	385
ATLAS	7822	6688	6026	7149	7096	5244	5455	5910	504	7567	7794	0
CMS	2637	2798	3402	3290	2952	2848	3482	3808	638	4166	4930	0
LHCb	4782	4636	4529	4526	4304	4391	4943	5265	4407	6613	6743	5140
Non-LHC	552	663	632	698	719	629	691	718	973	1014	1927	2119
Total	16304	15328	15129	16205	15611	13645	15099	16221	7015	19803	21785	7642

Problems accounting disk usage on Echo in September and December.  
 Increased usage of non-LHC is due to new wlcgTape instance in Castor with a shared ~2PB buffer.

# Tape usage



TB	2018-01	2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12
ALICE	882	882	882	882	882	882	882	882	882	882	882	0
ATLAS	11948	13017	13518	14195	14541	12837	13402	14162	14868	15774	16980	0
CMS	10775	10775	10783	11300	9713	9855	9983	10379	10692	11305	11601	0
LHCb	8981	9045	9253	9280	9592	9938	10462	10832	11208	11545	11571	0
DIRAC	2614	2614	2614	2614	2614	2614	2614	2614	2614	2614	2614	0
Others	1597	1672	1779	1826	1844	1877	1916	2011	2039	2069	2083	-7
Total	36798	38005	38831	40098	39186	38004	39260	40881	42304	44189	45732	-7

MySQL database problem over Christmas which stored accounting information.