## Summary of MoU commitments

## **CPU** commitments

	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018
Deployed (HS06)	223610	201741	220758	243905	280514	293680
Allocation (HS06)	245196	245196	245196	245196	245196	245196
Remainder (%)	-9.65	-21.54	-11.07	-0.53	12.59	16.51

- XMA 17 entered production in September.
- HPE15, which is 16% of our capacity has been out of production since the XMA 17 generation went in to resolve numerous fabric issues.
  - HPE15 were back in production by the end of October.

## Disk commitments

ALICE	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Deployed (Castor)	544	544	544	544	544	544
Deployed (Echo)	100	100	100	100	100	100
Deployed (Castor + Echo)	644	644	644	644	644	644
Pledge	638	638	638	638	638	638
ATLAS	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Deployed (Castor)	450	450	450	450	450	450
Deployed (Echo)	5800	6300	7300	7800	8420	8420
Deployed (Castor + Echo)	6250	6750	7750	8250	8870	8870
Pledge	8850	8850	8850	8850	8850	8850
CMS	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Deployed (Castor)	240	240	240	240	240	240
Deployed (Echo)	3000	3500	4000	4500	5250	5250
Deployed (Castor + Echo)	3240	3740	4240	4740	5490	5490
Pledge	4784	4784	4784	4784	4784	4784
LHCb	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Deployed (Castor)	5294	5175	5294	5294	5294	5472
Deployed (Echo)	2500	2500	2500	3000	3500	4000
Deployed (Castor + Echo)	7794	7675	7794	8294	8794	9472
Pledge	7317	7317	7317	7317	7317	7317

## Disk Commitment comments

- Both ATLAS and CMS drop below pledge when they stopped using Castor.
  - Both experiments dropped Castor faster than originally expected as it was difficult for them to manage two endpoints.
- We are providing CMS with next years allocation (2019) since Dec 2018.