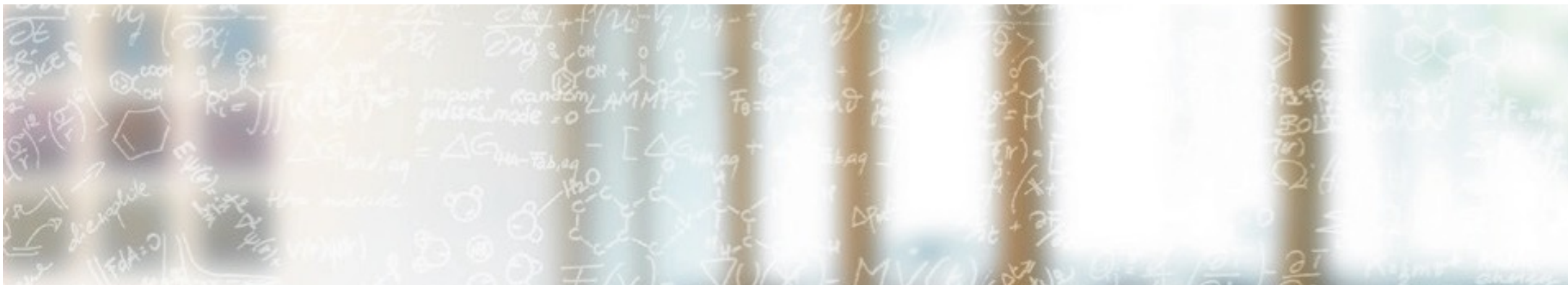




**CSCS**

Centro Svizzero di Calcolo Scientifico  
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# May CSCS Site Report for CHIPP

Nicholas P. Cardo, CSCS

May 20, 2021

# WLCG SAM

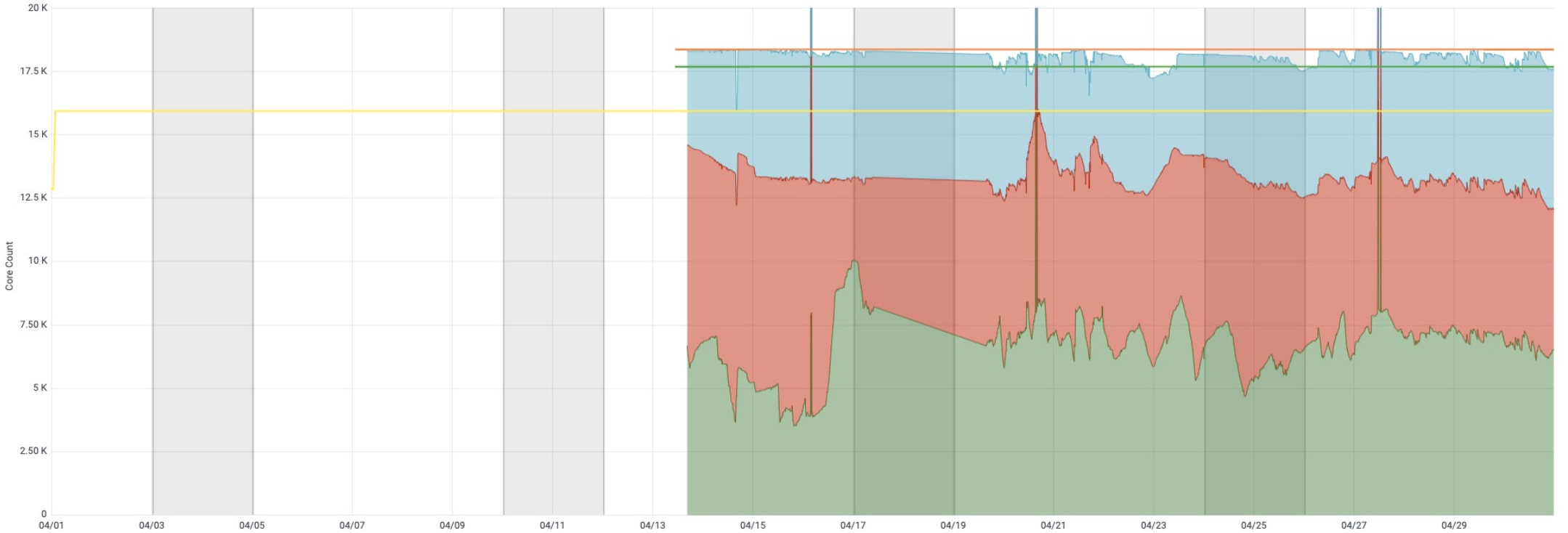
Site	WLCG Availability												Average	Site
	April	May	June	July	August	September	October	November	December	January	February	March		
CH-CHIPP-CSCS (ATLAS)	96%												96.0%	CH-CHIPP-CSCS (ATLAS)
CSCS-LCG2 (ATLAS)	100%												100.0%	CSCS-LCG2 (ATLAS)
UNIBE-LHEP (ATLAS)	92%												92.0%	UNIBE-LHEP (ATLAS)
CH-CHIPP-CSCS (CMS)	100%												100.0%	CH-CHIPP-CSCS (CMS)
CH-CHIPP-CSCS (LHCb)	100%												100.0%	CH-CHIPP-CSCS (LHCb)

Site	WLCG Reliability												Average	Site
	April	May	June	July	August	September	October	November	December	January	February	March		
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CH-CHIPP-CSCS (CMS)	100%												100.0%	CH-CHIPP-CSCS (CMS)
CH-CHIPP-CSCS (LHCb)	100%												100.0%	CH-CHIPP-CSCS (LHCb)

<30% <60% <90% >=90% [\\_Source: http://monit-wlcg-sitemon.web.cern.ch/monit-wlcg-sitemon/reports/2021](http://monit-wlcg-sitemon.web.cern.ch/monit-wlcg-sitemon/reports/2021)

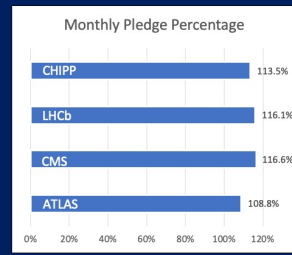
# March Running Cores

Running Core Count per Account (atlas + cms + lhcb) and partitions (wlcg) ▾

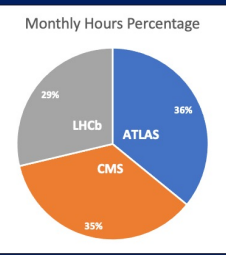


— atlas  
— cms  
— lhcb

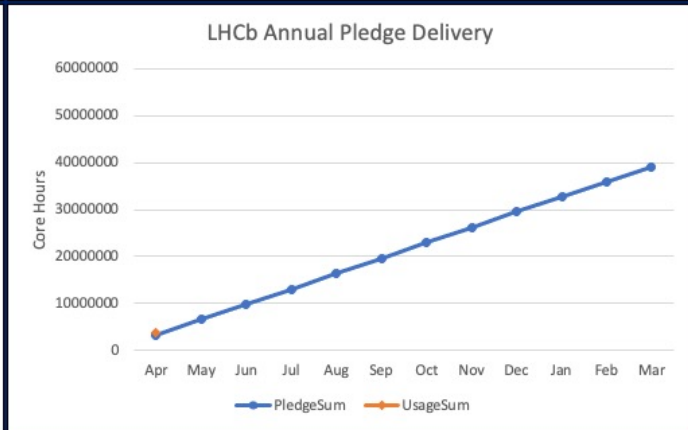
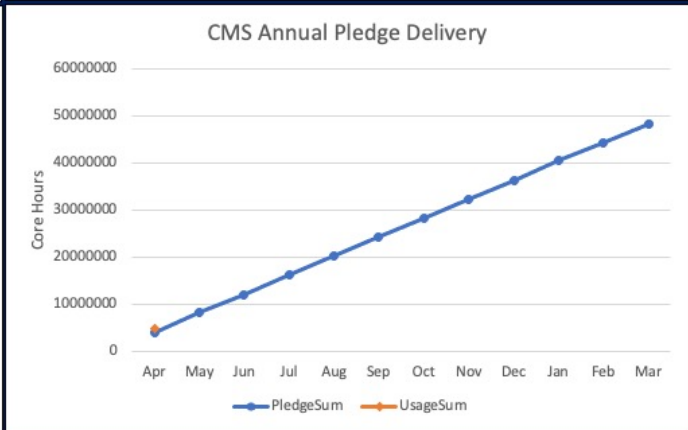
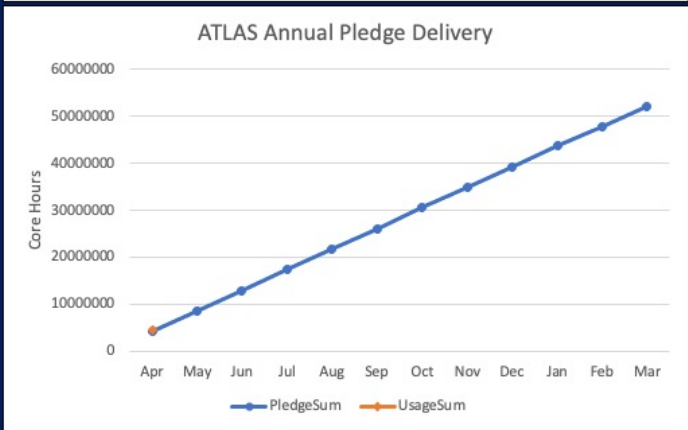
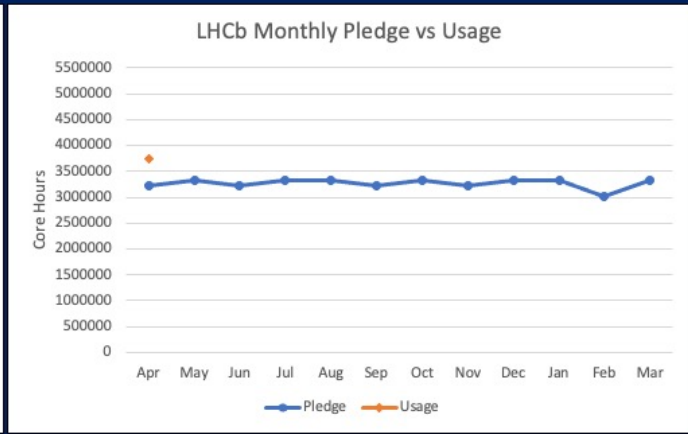
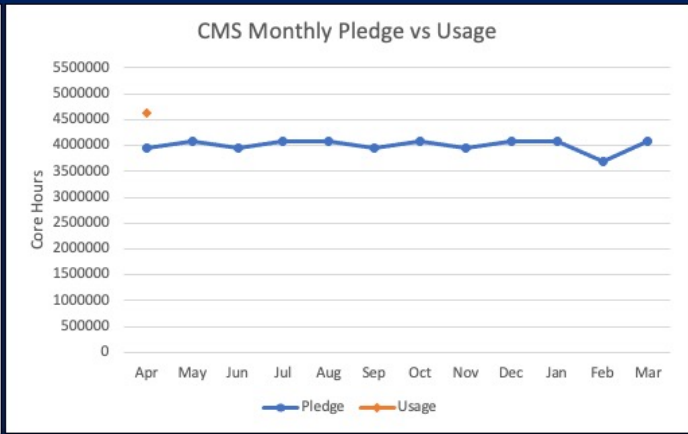
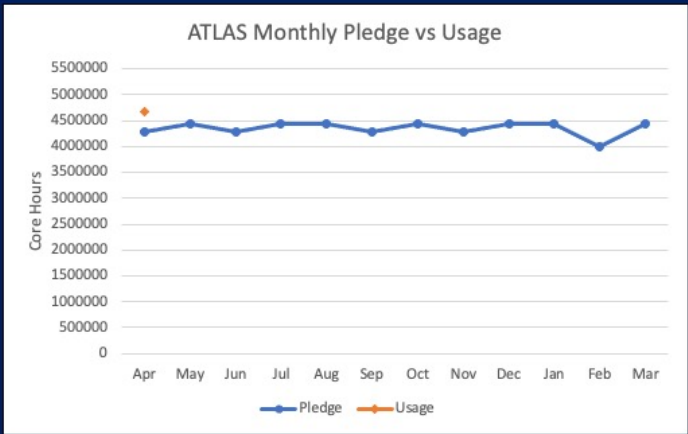
	max	avg	current
atlas	16.4 K	6.68 K	6.52 K
cms	18.3 K	6.73 K	5.53 K
lhcb	10 K	4.68 K	5.50 K



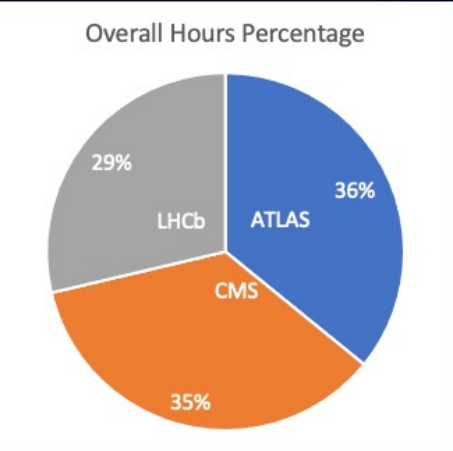
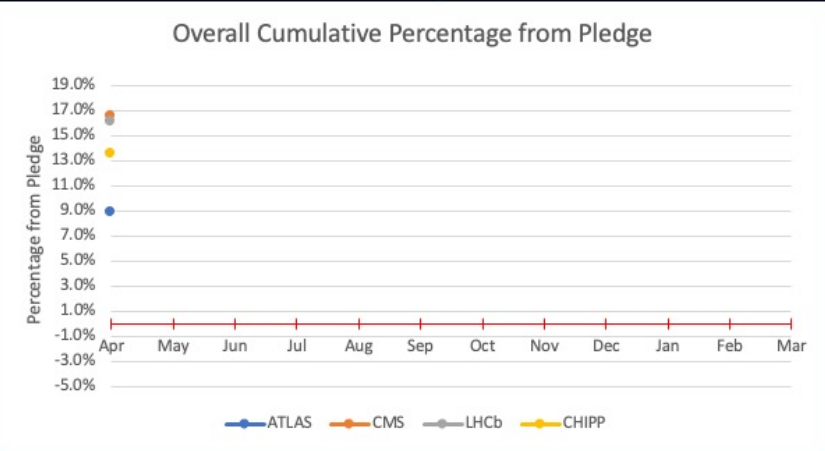
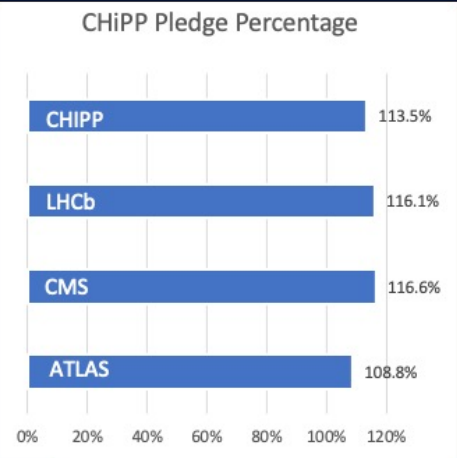
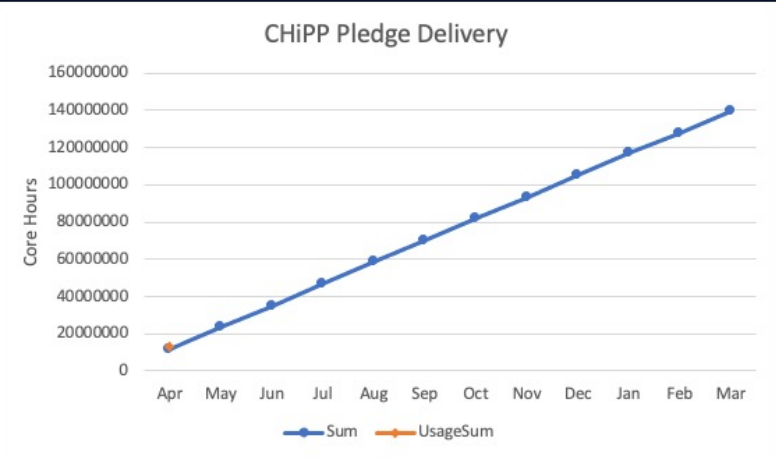
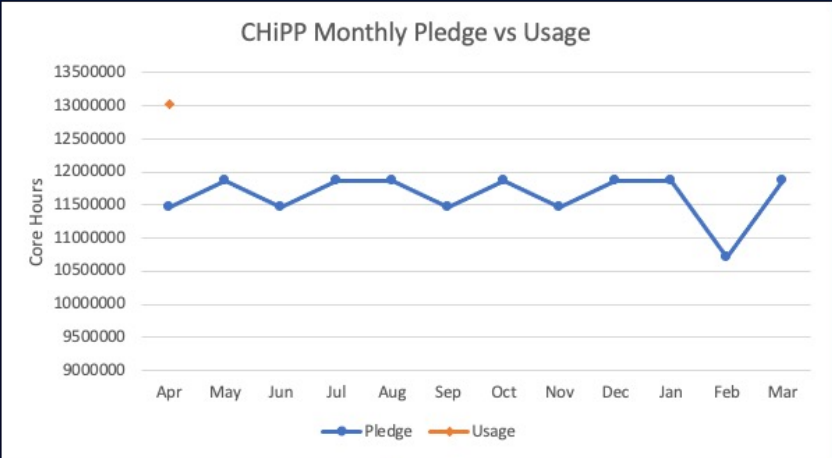
	Core Hours
ATLAS	4'673'027
CMS	4'616'459
LHcb	3'737'954



# April 1, 2020 through March 31, 2021 VO Utilization



# CHIPP Progress on Pledge Delivery



# Notices

- **Maintenance Schedule:**

- **2021:**

- September 8<sup>th</sup>, 2021 – Site Wide

- **Holidays/Closures:**

- **2021:**

- 24 May 2021 Whit Monday (*Monday*)
    - 03 Jun 2021 Corpus Christi (*Thursday*)
    - 29 Jun 2021 St Peter and St Paul (*Tuesday*)
    - 01 Aug 2021 Swiss National Day (*Sunday*)
    - 15 Aug 2021 Assumption Day (*Sunday*)
    - 01 Nov 2021 All Saints' Day (*Monday*)
    - 08 Dec 2021 Immaculate Conception (*Wednesday*)

## Activities: *Completed*

- **Preparations for ATLAS to move from SRM to WebDAV for TPC transfers**
- **Updated LHCb Sarus image to the latest CERN image**
- **cms02 is offline *Thanks Derek***
- **EGI-SVG-2021-17247 – CVE-2020-25097 (squid)**
  - Workaround applied 2021-05-12
- **EGI-SVG-CVE-2021-31215 (Slurm)**
  - Code fix was applied to vulnerable version
  - Slurm was upgraded during the maintenance

## Activities: *In Progress*

- **Accounting System Data Verification: <standing item>**
  - Perform monthly verifications
- **Accounting Republish**
  - All data re-published a second time per request
  - September was good, site is waiting on the rest of the results...
- **Dashboard Job Data Gaps**
  - Gaps identified as http timeouts, increasing improved, still a bit more to go...



## Activities: *Pending*

### ■ **cms03/04 O/S Update**

- Scheduled for May 24 – June 18

### ■ **cms02 Retirement**

- ~~Services need to be migrated to cms03/04~~ *Derek completed migrations*
- System has been taken offline
- Scheduled for May 24 - June 18

### ■ **Remove intermediate container for LHCb**

- Eliminates the need for Sarus and an additional container
- Scheduled for June 21 – July 16

### ■ **ATLAS DPM Migration:**

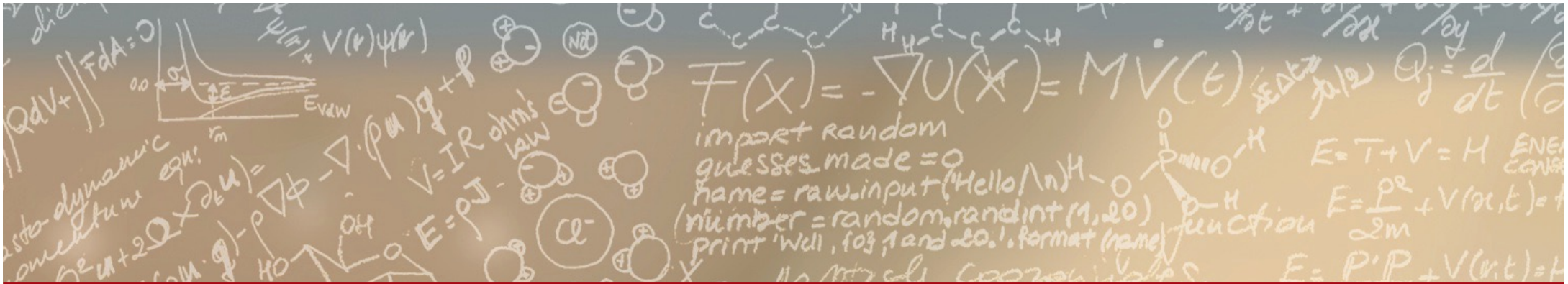
- What is the plan and timeline to move from test phase to production?
- How much of the ATLAS workload is currently using DPM at CSCS?
- Can we complete this as part of the 2021 increase?
  - Need to eliminate the use of the test hardware



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**Thank you for your attention.**