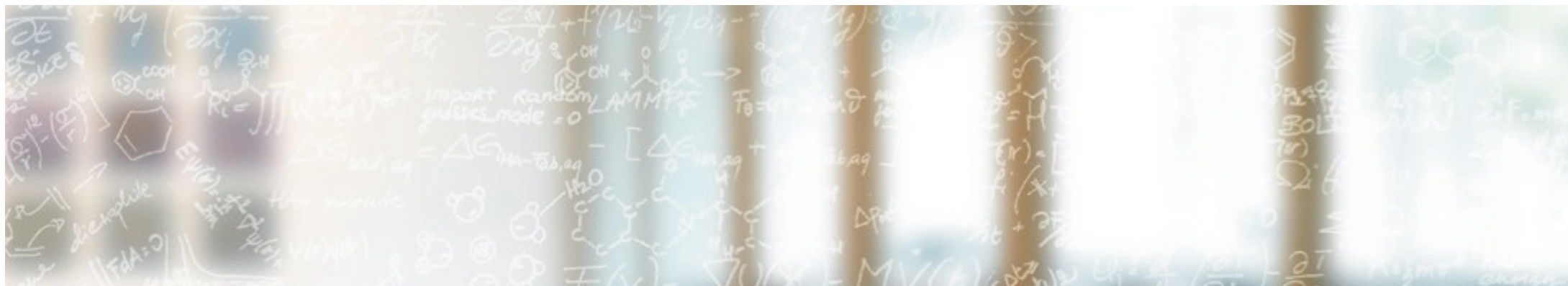




**CSCS**

Centro Svizzero di Calcolo Scientifico  
Swiss National Supercomputing Centre

**ETH** zürich



# August CSCS Site Report for CHiPP

Nicholas P. Cardo, CSCS

September 10, 2020

# WLCG SAM

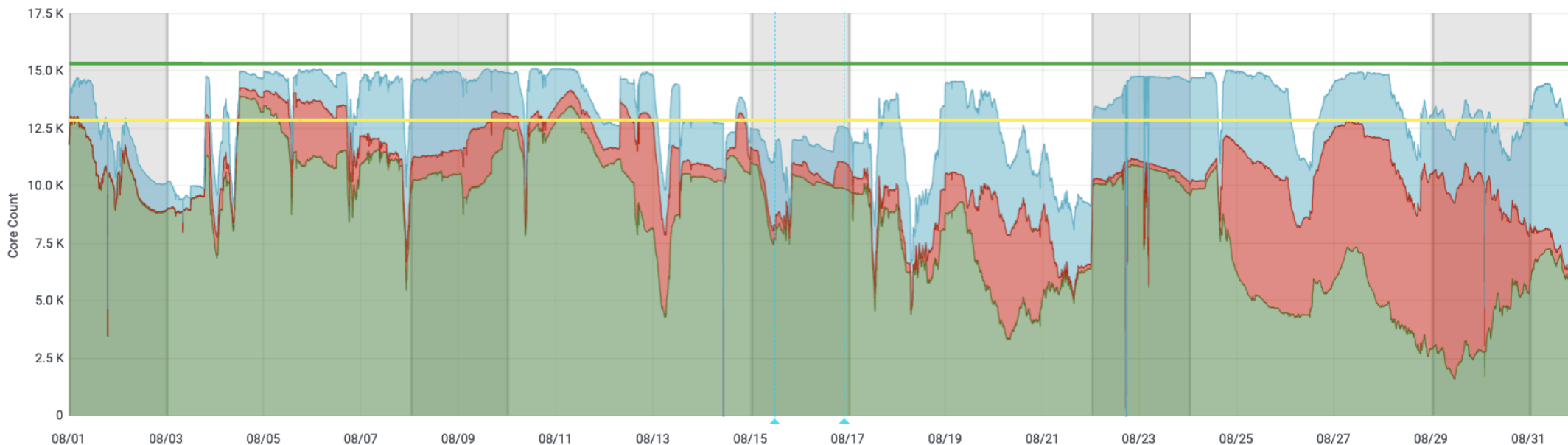
Site	WLCG Availability												Average	Site
	April	May	June	July	August	September	October	November	December	January	February	March		
CH-CHIPP-CSCS (CMS)	100%	72%	100%	88%	97%								91.4%	CH-CHIPP-CSCS (CMS)
CH-CHIPP-CSCS (ATLAS)	98%	86%	77%	70%	97%								85.6%	CH-CHIPP-CSCS (ATLAS)
CSCS-LCG2 (ATLAS)	100%	74%	99%	89%	98%								92.0%	CSCS-LCG2 (ATLAS)
UNIBE-LHEP (ATLAS)	96%	98%	54%	51%	96%								79.0%	UNIBE-LHEP (ATLAS)
CH-CHIPP-CSCS (LHCb)	78%	78%	99%	92%	99%								89.2%	CH-CHIPP-CSCS (LHCb)

Site	WLCG Reliability												Average	Site
	April	May	June	July	August	September	October	November	December	January	February	March		
CH-CHIPP-CSCS (CMS)	100%	91%	100%	88%	97%								95.2%	CH-CHIPP-CSCS (CMS)
CH-CHIPP-CSCS (ATLAS)	98%	96%	77%	70%	99%								88.0%	CH-CHIPP-CSCS (ATLAS)
CSCS-LCG2 (ATLAS)	100%	94%	99%	89%	98%								96.0%	CSCS-LCG2 (ATLAS)
UNIBE-LHEP (ATLAS)	96%	98%	54%	51%	99%								79.6%	UNIBE-LHEP (ATLAS)
CH-CHIPP-CSCS (LHCb)	78%	99%	99%	92%	99%								93.4%	CH-CHIPP-CSCS (LHCb)

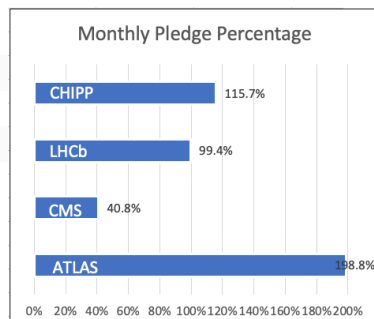
<30% <60% <90% >=90% [Source: http://monit-wlcg-sitemon.web.cern.ch/monit-wlcg-sitemon/reports/2020](http://monit-wlcg-sitemon.web.cern.ch/monit-wlcg-sitemon/reports/2020)

# August Monthly Utilization

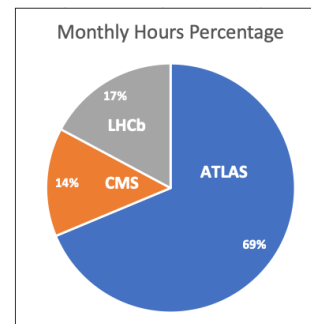
Running Core Count per Account (atlas,cms,lhcb) and partitions (wlcg,wlcb)



- atlas
- cms
- lhcb
- Capacity
- Pledges

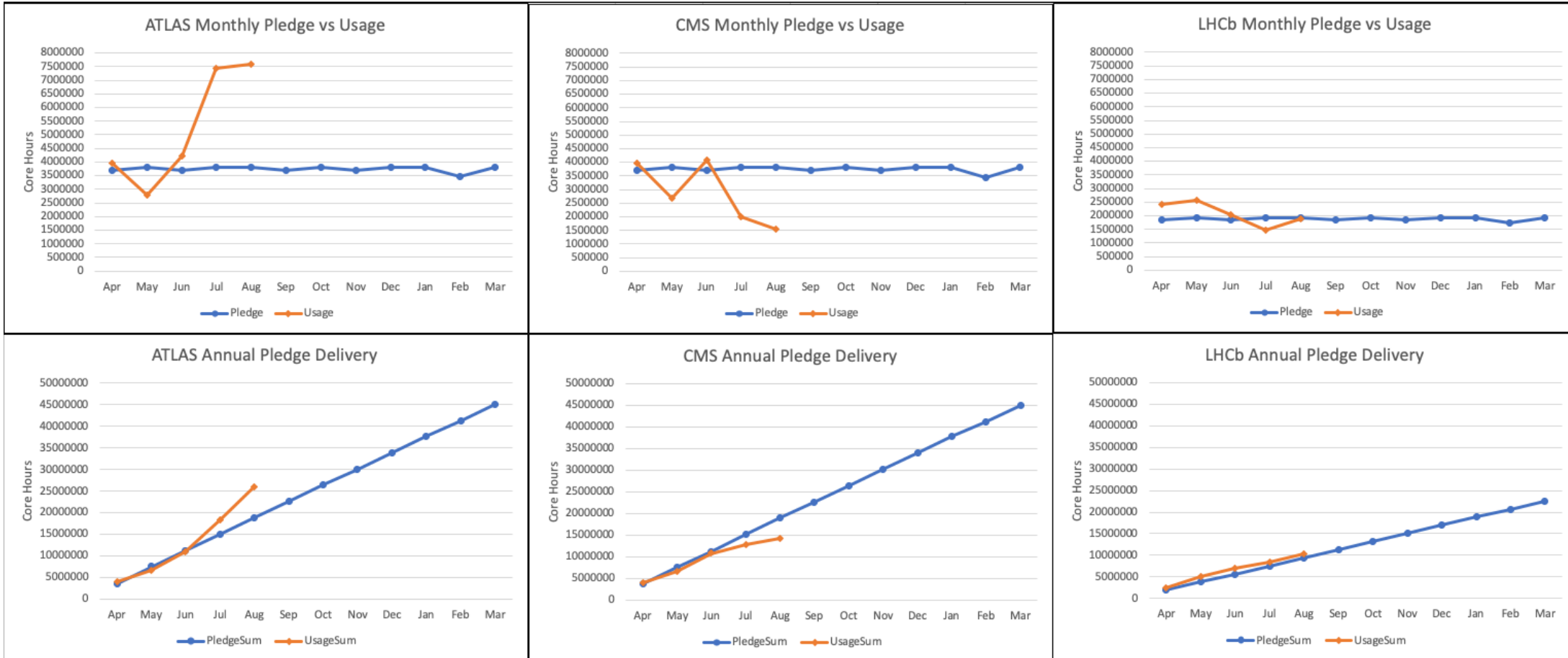


Core Hours	
ATLAS	7'599'948
CMS	1'559'331
LHCB	1'900'528

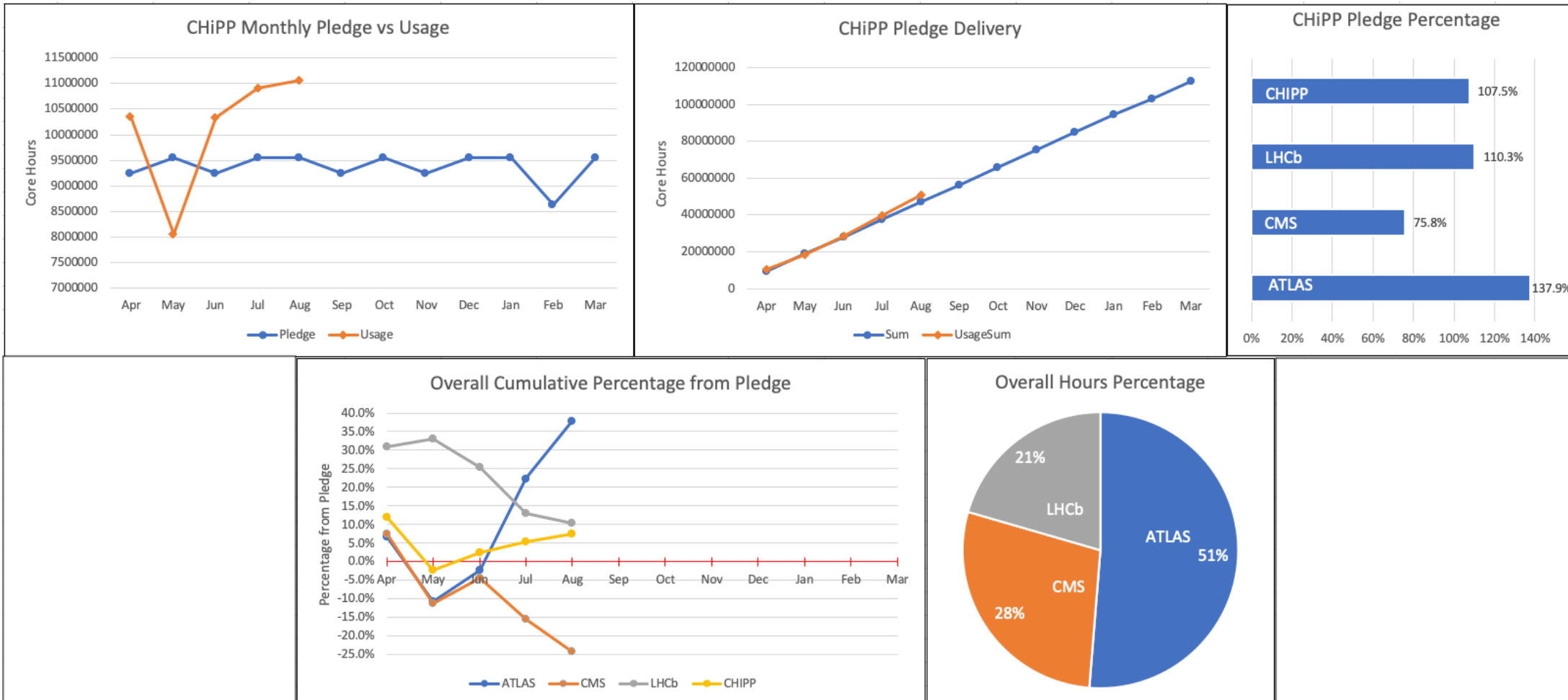


	max	avg	current
atlas	13.88 K	8.55 K	6.46 K
cms	7.73 K	2.10 K	755
lhcb	6.49 K	2.48 K	6.45 K
Capacity	15.30 K	15.30 K	15.30 K
Pledges	12.84 K	12.84 K	12.84 K

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



# CHIPP Progress on Pledge Delivery



## Notices

- **2020 Maintenance Schedule:**
  - September 9<sup>th</sup>, 2020 – Site Wide
  
- **2021 Maintenance Schedule:**
  - February 10<sup>th</sup>, 2021 – Site Wide
  - May 19<sup>th</sup>, 2021 – Site Wide
  - September 8<sup>th</sup>, 2021 – Site Wide
  
- **September Holidays:**
  - September 17<sup>th</sup>, 2020 – CSCS Annual Staff Excursion

## Activities: *Closed/Completed*


- **Filesystem I/O Issues**
  - Faulty controller removed from service, will be replaced
- **Scratch Filesystem Upgraded**
  - Internal firmware and software upgraded to latest versions
- **Scratch Filesystem Servers Updated**
  - O/S updates applied
- **dCache Upgraded**
  - Per EGI-SVG-2020-16806
- **ATLAS DPM**
  - Initial test environment has been provided

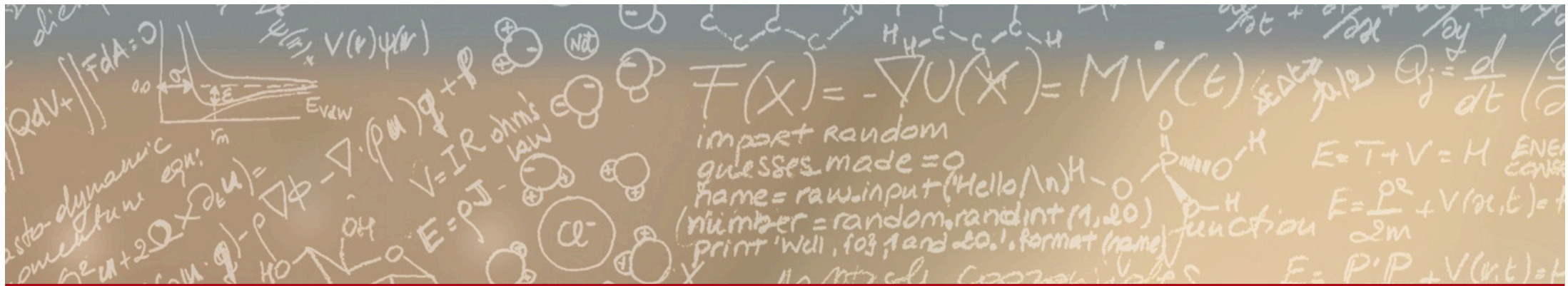
## Activities: *In Progress*

- **Accounting System Data Verification: <standing item>**
  - Perform monthly verifications
- **ARC CE Log Access:**
  - New servers ordered
- **ARC CE State Counts:**
  - Prototype in test; Evaluating Charts and Tables
- **CMS dCache Access:**
  - Access to dCache data via Macaroons.
- **ATLAS DPM Migration:**
  - Convert part of dCache to DPM
- **CMS Investigations:**
  - Continuing to support this ongoing effort
- **ARC Issue:**
  - An ARC issue has been diagnosed by the ARC developers, continuing to support the developers investigations to identify a solution (this has since been confirmed at other sites)



## Activities: *Backlog*

- **CMS Priority Access for SAM Tests** 
  - Pending resourcing
- **Single ARC CE:**
  - Pending resourcing
- **ARC Configuration on Wiki**
  - Blocked: Requires Wiki login access



**Thank you for your attention.**