

**Workshop on ATLAS
Computing and Software
Activities at BNL - Navigating
Distributed Computing,
Storage, Compute, and Beyond**

Report of Contributions

Contribution ID: 1

Type: **not specified**

NPP Directorate Welcome

Monday 18 March 2024 09:30 (10 minutes)

Zoom: <https://bnl.zoomgov.com/j/1617851500?pwd=dDlianpiQ29ScVBvaS8rTFBEZXhWdz09>

Presenter: DENISOV, Dmitri (Brookhaven National Laboratory)

Contribution ID: 2

Type: **not specified**

Workshop logistics, goals, SDCC/NPPS intro

Monday 18 March 2024 09:40 (30 minutes)

Zoom: <https://bnl.zoomgov.com/j/1617851500?pwd=dDlianpiQ29ScVBvaS8rTFBEZXhWdz09>

Presenters: WENAUS, Torre (BNL); KLIMENTOV, alexei (bnl)

Contribution ID: 3

Type: **not specified**

Using different algorithms for different architectures

Presenter: CALAFIURA, Paolo (LBNL)

Contribution ID: 4

Type: **not specified**

Discussion

Contribution ID: 5

Type: **not specified**

Dinner

Monday 18 March 2024 18:50 (2 hours)

Workshop dinner at Tap Room in Patchogue. Registration is now closed. If you would still like to attend, please contact the workshop conveners.

Contribution ID: 6

Type: **not specified**

SDCC computing center visit

Presenter: LATIF, Imran

Contribution ID: 7

Type: **not specified**

ATLAS SW&C goals, challenges and opportunities for collaboration

Monday 18 March 2024 10:10 (30 minutes)

Zoom: <https://bnl.zoomgov.com/j/1617851500?pwd=dDlianpiQ29ScVBvaS8rTFBEZXhWdz09>

Presenters: Dr PACHECO PAGES, Andreu (IFAE); SOUTH, David (TU Dortmund); SOUTH, David (DESY); LASSNIG, Mario (CERN)

Contribution ID: 8

Type: **not specified**

round table discussion

Monday 18 March 2024 16:20 (1h 20m)

Zoom: <https://bnl.zoomgov.com/j/1617851500?pwd=dDlianpiQ29ScVBvaS8rTFBEZXhWdz09>

Contribution ID: 9

Type: **not specified**

Day 1 : wrap up

Monday 18 March 2024 17:40 (20 minutes)

Zoom: <https://bnl.zoomgov.com/j/1617851500?pwd=dDlianpiQ29ScVBvaS8rTFBEZXhWdz09>

Contribution ID: **10**

Type: **not specified**

SDCC computing center visit

Tuesday 19 March 2024 09:00 (1h 20m)

Presenter: MCCARTHY, John (Brookhaven National Laboratory)

Contribution ID: **11**

Type: **not specified**

Executive session

Tuesday 19 March 2024 15:00 (1h 30m)

ATLAS SW&C & ADC coordination
US ATLAS L1/L2 Managers
NPPS and SDCC Leadership teams

Presenter: KLIMENTOV, alexei (bnl)

Contribution ID: 12

Type: **not specified**

Fabrics Group, Networking & SDCC Facilities Operations

Tuesday 19 March 2024 11:05 (45 minutes)

Presenters: LUKASCZYK, Mark (Network Engineer); WONG, Tony (Brookhaven National Lab (Physics Department))

Session Classification: ATLAS SW&C Coordination and L1/L2 managers meetings with SDCC & NPPS staff I

Contribution ID: 13

Type: **not specified**

Storage and Infrastructure Group

Tuesday 19 March 2024 10:20 (45 minutes)

Presenters: SMITH, Jason (RACF/SDCC); FRITH, Joe (PO BOX 5000)

Session Classification: ATLAS SW&C Coordination and L1/L2 managers meetings with SDCC & NPPS staff I

Contribution ID: 14

Type: **not specified**

Services and Tools Group

Tuesday 19 March 2024 11:50 (45 minutes)

Presenter: RIND, Ofer (BNL)

Session Classification: ATLAS SW&C Coordination and L1/L2 managers meetings with SDCC & NPPS staff I

Contribution ID: 15

Type: **not specified**

NPPS Group

Presenter: WENAUUS, Torre (BNL)

Session Classification: ATLAS SW&C Coordination and L1/L2 managers meetings with SDCC & NPPS staff I

Contribution ID: **16**

Type: **not specified**

Day 2 : wrap up

Contribution ID: 17

Type: **not specified**

ATLAS SW&C Coordination and L1/L2 managers meeting with SDCC and NPPS staff II

Tuesday 19 March 2024 13:00 (1 hour)

NPPS Group
NPPS zoom room

Presenter: WENAU, Torre (BNL)

Contribution ID: **18**

Type: **not specified**

Storage I

dCache roadmap and opportunities for collaboration

Presenters: SMITH, Jason (RACF/SDCC); Dr MKRTCHAN, Tigran (DESY); GARONNE, Vincent

Contribution ID: **19**

Type: **not specified**

HEP-CCE Overview and BNL Responsibilities

Monday 18 March 2024 10:40 (20 minutes)

Presenter: LIN, Meifeng (Brookhaven National Laboratory)

Session Classification: HEP-CCE project and opportunities for collaboration

Contribution ID: 20

Type: **not specified**

Portable Applications and Workflows [Remote]

Monday 18 March 2024 11:00 (10 minutes)

Presenter: LEGGETT, Charles (Lawrence Berkeley National Laboratory)

Session Classification: HEP-CCE project and opportunities for collaboration

Contribution ID: 21

Type: **not specified**

Optimizing Data Storage [Remote]

Monday 18 March 2024 11:10 (10 minutes)

Presenter: VAN GEMMEREN, Peter (Argonne National Laboratory)

Session Classification: HEP-CCE project and opportunities for collaboration

Contribution ID: 22

Type: **not specified**

Scaling ML Workflows

Monday 18 March 2024 11:40 (30 minutes)

Presenter: CALAFIURA, Paolo (Lawrence Berkeley National Laboratory)

Session Classification: HEP-CCE project and opportunities for collaboration

Contribution ID: 23

Type: **not specified**

Opportunities for Collaboration and Discussion

Monday 18 March 2024 12:10 (30 minutes)

Session Classification: HEP-CCE project and opportunities for collaboration

Contribution ID: 24

Type: **not specified**

Sustainability and the Environment studies at SDCC

Monday 18 March 2024 15:20 (12 minutes)

Presenter: LATIF, Imran

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 25

Type: **not specified**

HPSS Batch system @BNL T1

Monday 18 March 2024 15:32 (10 minutes)

Presenter: SPRADLEY, Justin

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 26

Type: **not specified**

OKD/OpenShift

Monday 18 March 2024 15:55 (12 minutes)

Presenter: TANG, Tommy

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 27

Type: **not specified**

IRIS-HEP and opportunities for collaboration

Monday 18 March 2024 12:40 (20 minutes)

Zoom: <https://bnl.zoomgov.com/j/1617851500?pwd=dDlianpiQ29ScVBvaS8rTFBEZXhWdz09>

Presenter: WATTS, Gordon (University of Washington)

Contribution ID: 28

Type: **not specified**

ARM software usage in ATLAS

Monday 18 March 2024 14:00 (12 minutes)

Presenter: ELMSHEUSER, Johannes (BNL)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 29

Type: **not specified**

Training on analysis reproducibility in the HSF

Monday 18 March 2024 15:08 (12 minutes)

Presenter: HERNANDEZ VILLANUEVA, Michel (BNL)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: **30**

Type: **not specified**

Applications of PanDA/iDDS complex workflows

Monday 18 March 2024 14:32 (12 minutes)

Presenters: MAENO, Tadashi (BNL); GUAN, Wen (BNL)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 31

Type: **not specified**

The HSF reference implementation conditions database

Monday 18 March 2024 14:56 (12 minutes)

Presenters: GERLACH, Lino; MASHINISTOV, Ruslan (BNL)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: **32**

Type: **not specified**

Introduction

Presenter: GARONNE, Vincent

Session Classification: Storage

Contribution ID: 33

Type: **not specified**

dCache@SDCC

Instance, deployment model, monitoring

Presenter: GAMBOA, Carlos Fernando (BNL)

Session Classification: Storage

Contribution ID: 34

Type: **not specified**

dCache: Status & Plans

Presenter: MKRTCHYAN, Tigran (DESY)

Session Classification: Storage

Contribution ID: 35

Type: **not specified**

DC24

Presenter: HUANG, Qiulan

Session Classification: Storage

Contribution ID: 36

Type: **not specified**

dCache pools: File system settings, tuning and experiences

Presenter: HANCOCK, robert (bnl)

Session Classification: Storage

Contribution ID: 37

Type: **not specified**

BNL specific workflows

Presenter: MISAWA, Shigeki (BNL)

Session Classification: Storage

Contribution ID: 38

Type: **not specified**

HPSS@SDCC: Status, Interface and evolution

Thursday 21 March 2024 10:00 (30 minutes)

Presenter: CHOU, Tim (Brookhaven National Laboratory)

Session Classification: Storage

Contribution ID: 39

Type: **not specified**

ENDIT@BNL

Thursday 21 March 2024 10:30 (25 minutes)

Presenter: LIU, Zhenping (Brookhaven Nation Laboratory)

Session Classification: Storage

Contribution ID: 40

Type: **not specified**

Tape writing and reading algorithm

Thursday 21 March 2024 11:15 (20 minutes)

Presenter: YANG, Wei (SLAC National Accelerator Laboratory)

Session Classification: Storage

Contribution ID: 41

Type: **not specified**

Tape REST interface and its usage at BNL (TBC)

Thursday 21 March 2024 11:35 (20 minutes)

Configuration, feedback, etc

Session Classification: Storage

Contribution ID: 42

Type: **not specified**

Introduction

Wednesday 20 March 2024 14:40 (5 minutes)

Presenter: GARONNE, Vincent

Session Classification: Storage

Contribution ID: 43

Type: **not specified**

dCache: Status & Plans

Presenter: MKRTCHYAN, Tigran (DESY)

Session Classification: Storage

Contribution ID: 44

Type: **not specified**

dCache@BNL

Wednesday 20 March 2024 14:45 (30 minutes)

Presenter: GAMBOA, Carlos Fernando (BNL)

Session Classification: Storage

Contribution ID: 45

Type: **not specified**

dCache discusion: Operations, improvements, etc

Thursday 21 March 2024 14:20 (30 minutes)

Presenter: HUANG, Qiulan

Session Classification: Storage

Contribution ID: 46

Type: **not specified**

dCache usage analysis@BNL

Thursday 21 March 2024 14:00 (20 minutes)

Presenters: LEONARDI, James; HUANG, Qiulan

Session Classification: Storage

Contribution ID: 47

Type: **not specified**

dCache pools: File system settings, tuning and experiences

Wednesday 20 March 2024 15:15 (20 minutes)

Presenter: HANCOCK, robert (bnl)

Session Classification: Storage

Contribution ID: 48

Type: **not specified**

BNL dCache Network

Wednesday 20 March 2024 16:15 (20 minutes)

Presenter: MISAWA, Shigeki (BNL)

Session Classification: Storage

Contribution ID: 49

Type: **not specified**

Storage evolution

Presenters: SMITH, Jason (RACF/SDCC); MKRTCHAN, Tigran (DESY); GARONNE, Vincent

Contribution ID: 50

Type: **not specified**

PanDA/Harvester/FuncX on HPC

Monday 18 March 2024 14:44 (12 minutes)

Presenter: WANG, Tianle (Columbia University)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 51

Type: **not specified**

BNL Networks

Monday 18 March 2024 15:42 (13 minutes)

Presenter: LUKASCZYK, Mark (Network Engineer)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 52

Type: **not specified**

dCache: Packet and flow marking

Wednesday 20 March 2024 15:55 (20 minutes)

Presenters: MCKEE, Shawn (University of Michigan Physics); MKRTCHYAN, Tigran (DESY)

Session Classification: Storage

Contribution ID: 53

Type: **not specified**

Storage evolution for HEP / ATLAS

Wednesday 20 March 2024 10:25 (30 minutes)

Presenter: GARONNE, Vincent

Session Classification: Storage

Contribution ID: 54

Type: **not specified**

dCache Status and Plans

Wednesday 20 March 2024 11:15 (30 minutes)

Presenter: MKRTCHYAN, Tigran (DESY)

Session Classification: Storage

Contribution ID: 55

Type: **not specified**

DC24

Presenter: HUANG, Qiulan

Session Classification: Storage

Contribution ID: 56

Type: **not specified**

smart writing

Wednesday 20 March 2024 12:05 (30 minutes)

Presenter: ZHAO, Xin (BNL)

Session Classification: Storage

Contribution ID: 57

Type: **not specified**

Exploring Cloud Storage Integration: The SEAL Case Study

Wednesday 20 March 2024 10:55 (20 minutes)

Presenters: Mr LASSNIG, Mario (CERN); Mr SHARMA, Mayank (University of Michigan)

Session Classification: Storage

Contribution ID: 58

Type: **not specified**

SDCC R&D on non-x86 cpu architectures

Monday 18 March 2024 14:12 (10 minutes)

Presenter: CASELLA, Kevin (SDCC)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: 59

Type: **not specified**

AlmaLinux 9 developments at the SDCC

Monday 18 March 2024 14:22 (10 minutes)

Presenter: CARAMARCU, Costin (BNL-RACF)

Session Classification: SDCC and NPPS lightning talks

Contribution ID: **60**

Type: **not specified**

sPHENIX Visit

Wednesday 20 March 2024 08:55 (1h 30m)