

# **IRIS-HEP Institute Retreat**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Introductory Plenary

Contribution ID: 2

Type: **not specified**

## **OSG-LHC: XCache discussion + Globus transition**

30mins cache integrity

- 10mins presentation by Brian + 20mins discussion
- 30mins joint containers, deployment, operations of service
- 10mins presentation fkw + 20mins discussion

OSG-LHC: Globus transition (see: <https://docs.google.com/document/d/1DAFeAaUmHHVcJGZMTIDUtLs9koCruQRDY1sJ>)

Contribution ID: 3

Type: **not specified**

## Analysis Systems

Contribution ID: 4

Type: **not specified**

## **Discussion - DOMA: Integrated Data Lake demonstration for Year 2**

Contribution ID: 5

Type: **not specified**

## End Plenary

Contribution ID: 6

Type: **not specified**

## Innovative Algorithms

Contribution ID: 7

Type: **not specified**

## Security



Contribution ID: 8

Type: **not specified**

## **SSC/Training/Blueprint discussion**

B327 (CDF Big Room) (FNAL)

Contribution ID: 9

Type: **not specified**

## **SSL Continued. AS/DOMA/SSL: Demo & planning for ServiceX**

Contribution ID: **10**

Type: **not specified**

## Final Plenary

Contribution ID: **11**

Type: **not specified**

## **Analysis Systems**

Contribution ID: **12**

Type: **not specified**

**SSL**

Contribution ID: 13

Type: **not specified**

## **Goals for the Retreat & Institute Overview and Status**

*Thursday 12 September 2019 09:00 (30 minutes)*

**Presenter:** ELMER, Peter (Princeton University (US))

**Session Classification:** Plenary

Contribution ID: 14

Type: **not specified**

## **DOMA: Preparing for Year 2 and Year 4**

*Thursday 12 September 2019 09:30 (20 minutes)*

**Presenter:** BOCKELMAN, Brian Paul (University of Nebraska Lincoln (US))

**Session Classification:** Plenary

Contribution ID: 15

Type: **not specified**

## **Milestones - We don't need roads...**

*Thursday 12 September 2019 09:50 (20 minutes)*

**Presenter:** WATTS, Gordon (University of Washington (US))

**Session Classification:** Plenary



Contribution ID: 16

Type: **not specified**

## **DOMA - News, Status, Plans**

*Friday 13 September 2019 13:30 (12 minutes)*

**Presenter:** BOCKELMAN, Brian Paul (University of Nebraska Lincoln (US))

**Session Classification:** Plenary

Contribution ID: 17

Type: **not specified**

## **Innovative Algorithms - News, Status, Plans**

*Friday 13 September 2019 13:42 (12 minutes)*

**Presenters:** LANGE, David (Princeton University (US)); GRAY, Heather (LBNL)

**Session Classification:** Plenary

Contribution ID: **18**

Type: **not specified**

## **Analysis Systems - News, Status, Plans**

*Friday 13 September 2019 13:54 (12 minutes)*

**Presenter:** CRANMER, Kyle Stuart (New York University (US))

**Session Classification:** Plenary

Contribution ID: **19**

Type: **not specified**

## **SSL - News, Status, Plans**

*Friday 13 September 2019 14:06 (12 minutes)*

**Presenter:** GARDNER JR, Robert William (University of Chicago (US))

**Session Classification:** Plenary

Contribution ID: **20**

Type: **not specified**

## **SSC - News, Status, Plans**

*Friday 13 September 2019 14:18 (12 minutes)*

**Presenters:** KATZ, Daniel S. (University of Illinois); ELMER, Peter (Princeton University (US)); MALIK, Sudhir (University of Puerto Rico (PR))

**Session Classification:** Plenary

Contribution ID: 21

Type: **not specified**

## **Blueprint - News, Status, Plans**

*Friday 13 September 2019 14:30 (12 minutes)*

**Presenters:** NEUBAUER, Mark (Univ. Illinois at Urbana Champaign (US)); NEUBAUER, Mark Stephen (Univ. Illinois at Urbana-Champaign)

**Session Classification:** Plenary

Contribution ID: 22

Type: **not specified**

## New Timeline and Closeout

*Friday 13 September 2019 14:42 (18 minutes)*

**Presenters:** BOCKELMAN, Brian Paul (University of Nebraska Lincoln (US)); WATTS, Gordon (University of Washington (US)); ELMER, Peter (Princeton University (US))

**Session Classification:** Plenary

Contribution ID: 23

Type: **not specified**

## **Histogramming & more**

*Thursday 12 September 2019 15:50 (10 minutes)*

**Presenter:** SCHREINER, Henry Fredrick (Princeton University)

**Session Classification:** Plenary



Contribution ID: 24

Type: **not specified**

## Plan for new projects in IA

*Friday 13 September 2019 09:00 (45 minutes)*

**Presenters:** Dr ATLURI, Gowtham (UC); WILLIAMS, J Michael (Massachusetts Inst. of Technology (US)); NEUBAUER, Mark (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Innovative Algorithms

Contribution ID: 25

Type: **not specified**

## **Milestones update**

*Friday 13 September 2019 09:45 (20 minutes)*

**Session Classification:** Innovative Algorithms

Contribution ID: 26

Type: **not specified**

## Topical discussion

*Friday 13 September 2019 10:05 (25 minutes)*

**Session Classification:** Innovative Algorithms

Contribution ID: 27

Type: **not specified**

## What Is A User Story?

*Thursday 12 September 2019 16:00 (10 minutes)*

**Presenter:** GALEWSKY, Benjamin (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Plenary

Contribution ID: **28**

Type: **not specified**

## **func-adl in columns**

*Thursday 12 September 2019 16:20 (10 minutes)*

**Presenter:** PROFFITT, Mason (University of Washington (US))

**Session Classification:** Plenary

Contribution ID: 29

Type: **not specified**

## **func-adl to C++/xAOD backend**

*Thursday 12 September 2019 16:10 (10 minutes)*

**Presenter:** WATTS, Gordon (University of Washington (US))

**Session Classification:** Plenary

Contribution ID: **30**

Type: **not specified**

## **Introduction & Plans**

*Thursday 12 September 2019 16:30 (10 minutes)*

**Presenter:** ATKINSON, Markus Julian (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Plenary

Contribution ID: **31**

Type: **not specified**

## **Introduction & Plans**

*Thursday 12 September 2019 16:40 (10 minutes)*

**Presenter:** THAIS, Savannah Jennifer (Princeton University (US))

**Session Classification:** Plenary



Contribution ID: 32

Type: **not specified**

## **Brainstorming: Topical Meetings, Fellows, News items**

*Thursday 12 September 2019 15:30 (20 minutes)*

**Session Classification:** Plenary

Contribution ID: **33**

Type: **not specified**

## **pyhf: Toys**

*Thursday 12 September 2019 16:50 (10 minutes)*

**Presenter:** FEICKERT, Matthew (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Plenary

Contribution ID: 34

Type: **not specified**

## **Breakout A for timeslot 1: Satisfactory and pythonic stat tool roadmap**

*Thursday 12 September 2019 10:45 (45 minutes)*

**Presenters:** GRAY, Lindsey (Fermi National Accelerator Lab. (US)); HEINRICH, Lukas Alexander (CERN); SMITH, Nick (Fermi National Accelerator Lab. (US))

**Session Classification:** Analysis Systems

Contribution ID: 35

Type: **not specified**

## **Breakout topic B timeslot 1: Func ADL/ C++ and Service X**

*Thursday 12 September 2019 10:45 (45 minutes)*

**Session Classification:** Analysis Systems

Contribution ID: 36

Type: **not specified**

## **Analysis Systems team meetings/process efficacy discussion**

*Thursday 12 September 2019 14:55 (25 minutes)*

**Presenters:** GALEWSKY, Benjamin (Univ. Illinois at Urbana Champaign (US)); FEICKERT, Matthew (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Analysis Systems

Contribution ID: 37

Type: **not specified**

## **Breakout topic A timeslot 2: High-level analysis description**

*Thursday 12 September 2019 11:30 (45 minutes)*

**Presenters:** HELD, Alexander (University of British Columbia (CA)); HEINRICH, Lukas Alexander (CERN)

**Session Classification:** Analysis Systems

Contribution ID: **38**

Type: **not specified**

## **Breakout topic B timeslot 2: Event / Column Languages**

*Thursday 12 September 2019 11:30 (45 minutes)*

**Session Classification:** Analysis Systems

Contribution ID: 39

Type: **not specified**

## Analysis Systems Milestones Discussion

*Thursday 12 September 2019 13:55 (25 minutes)*

**Presenters:** CRANMER, Kyle Stuart (New York University (US)); FEICKERT, Matthew (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Analysis Systems



Contribution ID: 40

Type: **not specified**

## pyhf Roadmap

*Thursday 12 September 2019 14:20 (20 minutes)*

**Presenter:** FEICKERT, Matthew (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Analysis Systems

Contribution ID: 41

Type: **not specified**

## Discussion: Coffea and pyhf integration

*Thursday 12 September 2019 14:40 (15 minutes)*

**Presenters:** CRANMER, Kyle Stuart (New York University (US)); HEINRICH, Lukas Alexander (CERN); FEICKERT, Matthew (Univ. Illinois at Urbana Champaign (US))

**Session Classification:** Analysis Systems

Contribution ID: 42

Type: **not specified**

## Boost.histogram

*Thursday 12 September 2019 13:35 (20 minutes)*

**Presenter:** SCHREINER, Henry Fredrick (Princeton University)

**Session Classification:** Analysis Systems

Contribution ID: 43

Type: **not specified**

## Breakout A: Training

*Friday 13 September 2019 10:45 (45 minutes)*

**Presenter:** MALIK, Sudhir (University of Puerto Rico (PR))

**Session Classification:** SSC:Blueprint etc

Contribution ID: 44

Type: **not specified**

## **Breakout B: Sustainability**

*Friday 13 September 2019 11:30 (45 minutes)*

**Presenter:** KATZ, Daniel S. (University of Illinois)

**Session Classification:** SSC:Blueprint etc

Contribution ID: 45

Type: **not specified**

## Introduction & Plans

*Thursday 12 September 2019 17:00 (10 minutes)*

**Presenter:** WANG, Bei (Princeton University (US))

**Session Classification:** Plenary

Contribution ID: 46

Type: **not specified**

## Container Security Policy Discussion

*Friday 13 September 2019 09:00 (30 minutes)*

**Session Classification:** OSG-LHC

Contribution ID: 47

Type: **not specified**

## **OSG Security: Goals for Year 2**

*Friday 13 September 2019 09:30 (30 minutes)*

**Session Classification:** OSG-LHC



Contribution ID: 48

Type: **not specified**

## Introduction

*Friday 13 September 2019 10:00 (5 minutes)*

**Session Classification:** SSL

Contribution ID: 49

Type: **not specified**

## SSL Architecture

*Friday 13 September 2019 10:05 (20 minutes)*

**Presenter:** BRYANT, lincoln

**Session Classification:** SSL