

Analysis Systems Topical Workshop

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & Logistics

Wednesday, June 19, 2019 9:00 AM (5 minutes)

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

Contribution ID: 2

Type: **not specified**

Overview of analysis system use cases

Deliverable:

G2.3 Collect and curate example analysis use cases with some existing reference implementation

Contribution ID: 3

Type: **not specified**

Overview of analysis system efforts

G2.4 Survey of analysis systems efforts in the field to aid in planning for topical workshop

Contribution ID: 4

Type: **not specified**

Discussion

Contribution ID: 5

Type: **not specified**

Specifications for user-facing interface to analysis system components

G2.6 Develop initial specifications for user-facing interface to analysis system components

Contribution ID: 6

Type: **not specified**

Discussion and iteration on use cases / user stories

Wednesday, June 19, 2019 3:15 PM (1 hour)

Try to finalize this Y1 Deliverable

Contribution ID: 7

Type: **not specified**

Coffee / breakfast

Contribution ID: 8

Type: **not specified**

Status of prototype awkward-array analyses in the scientific Python ecosystem

Thursday, June 20, 2019 11:15 AM (1h 15m)

G2.7 Prototype awkward-array analyses in the scientific Python ecosystem

Contribution ID: 9

Type: **not specified**

Discussion on Y1 status and reporting & Y2 planning

Thursday, June 20, 2019 3:50 PM (1 hour)

Contribution ID: **10**

Type: **not specified**

Roadmap to Ecosystem Coherency

Thursday, June 20, 2019 2:00 PM (1h 30m)

Contribution ID: 11

Type: **not specified**

Roadmap for high-level cyberinfrastructure components (connect with CERN)

INSPIRE / CAP / Open Data

REANA

HEPData -

RECAST - Lukas & Alex Schuy (DIANA/Fellow)?

Likelihood publishing - Lukas, Matthew Feickert, Giordon Stark

Discussion on how this changes as with query system, etc.

Discussion

Presenters: SCHUY, Alexander Joseph (University of Washington (US)); STARK, Giordon Holtsberg (University of California, Santa Cruz (US)); WATTS, Gordon (University of Washington (US)); WATT, Graeme (Universitaet Zuerich (CH)); CRANMER, Kyle Stuart (New York University (US)); HEINRICH, Lukas Alexander (CERN); FEICKERT, Matthew (Southern Methodist University (US)); FOKIANOS, Pamfilos (CERN); SIMKO, Tibor (CERN)

Contribution ID: 12

Type: **not specified**

awkward, etc.

Wednesday, June 19, 2019 9:05 AM (20 minutes)

Presenter: PIVARSKI, Jim (Princeton University)

Contribution ID: 13

Type: **not specified**

ServiceX

Wednesday, June 19, 2019 9:25 AM (20 minutes)

Presenter: GALEWSKY, Benjamin

Contribution ID: **14**

Type: **not specified**

Coffea

Wednesday, June 19, 2019 9:45 AM (20 minutes)

Presenter: GRAY, Lindsey (Fermi National Accelerator Lab. (US))

Contribution ID: 15

Type: **not specified**

Histograms

Wednesday, June 19, 2019 10:05 AM (10 minutes)

Presenter: SCHREINER, Henry Fredrick (Princeton University)

Contribution ID: 16

Type: **not specified**

Functional/Declarative Selection Languages

Wednesday, June 19, 2019 10:40 AM (20 minutes)

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

Contribution ID: 17

Type: **not specified**

Template Fits: HistFitter / TRexFitter

Wednesday, June 19, 2019 11:00 AM (15 minutes)

Presenter: HELD, Alexander (University of British Columbia (CA))

Contribution ID: **18**

Type: **not specified**

pyhf

Wednesday, June 19, 2019 11:15 AM (10 minutes)

Presenters: STARK, Giordon Holtsberg (University of California, Santa Cruz (US)); HEINRICH, Lukas Alexander (CERN); FEICKERT, Matthew (Southern Methodist University (US))

Contribution ID: 19

Type: **not specified**

AmpGen, Particle/DecayLanguage

Wednesday, June 19, 2019 11:25 AM (15 minutes)

Presenters: SCHREINER, Henry Fredrick (Princeton University); EVANS, Tim; EVANS, Timothy David (University of Cincinnati (US)); EVANS, Timothy (Unknown)

Contribution ID: **20**

Type: **not specified**

MadMiner

Wednesday, June 19, 2019 11:40 AM (10 minutes)

Presenters: BREHMER, Johann (CERN); Mr BREHMER, Johann (NYU)

Contribution ID: 21

Type: **not specified**

SCAILFIN: Notre Dame

Wednesday, June 19, 2019 1:30 PM (20 minutes)

Presenter: HURTADO ANAMPA, Kenyi Paolo (University of Notre Dame (US))

Contribution ID: 22

Type: **not specified**

SCAILFIN: NYU

Wednesday, June 19, 2019 1:50 PM (25 minutes)

MadMiner workflows
Reproducible Benchmarks
MEM vs. MadMiner

Presenters: MUELLER, Heiko; ESPEJO MORALES, Irina (Universitat Autònoma de Barcelona (ES)); ESPEJO MORALES, Irina (New York University); BREHMER, Johann (NYU); MACALUSO, Sebastian (New York University)

Contribution ID: 23

Type: **not specified**

SCAILFIN: UIUC

Wednesday, June 19, 2019 2:15 PM (20 minutes)

Presenters: KATZ, Daniel S. (University of Illinois); NEUBAUER, Mark (Univ. Illinois at Urbana Champaign (US)); NEUBAUER, Mark Stephen (Univ. Illinois at Urbana-Champaign)

Contribution ID: 24

Type: **not specified**

Comments on example use cases: connections and looking forward to Y2

Wednesday, June 19, 2019 2:55 PM (20 minutes)

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

Contribution ID: 25

Type: **not specified**

REANA / Open Data / INSPIRE

Thursday, June 20, 2019 9:15 AM (15 minutes)

Presenter: SIMKO, Tibor (CERN)

Contribution ID: 26

Type: **not specified**

CERN Analysis Preservation Portal

Thursday, June 20, 2019 9:00 AM (15 minutes)

Presenter: FOKIANOS, Pamfilos (CERN)

Contribution ID: 27

Type: **not specified**

HEPData

Thursday, June 20, 2019 9:35 AM (10 minutes)

Presenters: WATT, Graeme; WATT, Graeme (Universitaet Zuerich (CH))

Contribution ID: **28**

Type: **not specified**

RECAST

Thursday, June 20, 2019 9:55 AM (15 minutes)

Presenters: SCHUY, Alexander Joseph (University of Washington (US)); HEINRICH, Lukas Alexander (CERN)

Contribution ID: 29

Type: **not specified**

Likelihood publishing & Reinterpretation (ATLAS efforts)

Thursday, June 20, 2019 9:45 AM (10 minutes)

Presenters: STARK, Giordon Holtsberg (University of California, Santa Cruz (US)); HEINRICH, Lukas Alexander (CERN); FEICKERT, Matthew (Southern Methodist University (US))

Contribution ID: **30**

Type: **not specified**

Overview / Reinterpretation Roadmap

Thursday, June 20, 2019 9:30 AM (5 minutes)

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

Contribution ID: **31**

Type: **not specified**

Discussion

Thursday, June 20, 2019 10:25 AM (30 minutes)

Contribution ID: 32

Type: **not specified**

CMS overview on analysis preservation and reinterpretation

Thursday, June 20, 2019 10:10 AM (15 minutes)

Presenters: LANGE, Clemens (CERN); LASSILA-PERINI, Kati (Helsinki Institute of Physics (FI))