

**INT Workshop INT-19-74W**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **BSM**

*Monday, 9 September 2019 09:00 (30 minutes)*

**Presenter:** CRIVELLIN, Andreas

**Session Classification:** BSM + Experiment

Contribution ID: 1

Type: **not specified**

## Experiment Update Fermilab

*Monday, 9 September 2019 09:30 (30 minutes)*

**Presenter:** HERTZOG, David

**Session Classification:** BSM + Experiment

Contribution ID: 2

Type: **not specified**

## MuSEUM

*Monday, 9 September 2019 10:00 (30 minutes)*

**Presenter:** SHIMOMURA, Koichiro

**Session Classification:** BSM + Experiment

Contribution ID: 3

Type: **not specified**

## Welcome

*Monday, 9 September 2019 08:55 (5 minutes)*

**Presenter:** MCLERRAN, Larry

**Session Classification:** Welcome

Contribution ID: 4

Type: **not specified**

## Experiment Update J-PARC

**Presenter:** MIBE, Tsutomu

Contribution ID: 5

Type: **not specified**

## Experiment Update J-PARC

*Monday, 9 September 2019 11:00 (30 minutes)*

**Presenter:** MIBE, Tsutomu

**Session Classification:** BSM + Experiment

Contribution ID: 6

Type: **not specified**

## Summary HVP dispersive

*Monday, 9 September 2019 11:30 (40 minutes)*

**Presenters:** EIDELMAN, Simon; TEUBNER, Thomas

**Session Classification:** White Paper



Contribution ID: 7

Type: **not specified**

## Summary HVP lattice

*Monday, 9 September 2019 14:00 (40 minutes)*

**Presenter:** EL-KHADRA, Aida

**Session Classification:** White Paper

Contribution ID: 8

Type: **not specified**

## Summary HLbL lattice

*Monday, 9 September 2019 14:40 (40 minutes)*

**Presenter:** LEHNER, Christoph

**Session Classification:** White Paper

Contribution ID: 9

Type: **not specified**

## Summary HLbL analytic

*Monday, 9 September 2019 15:50 (40 minutes)*

**Presenter:** COLANGELO, Gilberto

**Session Classification:** White Paper

Contribution ID: **10**

Type: **not specified**

## **PrimEx**

*Monday, 9 September 2019 16:30 (20 minutes)*

**Presenter:** GASPARIAN, Ashot

**Session Classification:** HLbL Experiment

Contribution ID: **11**

Type: **not specified**

## **BES III**

*Monday, 9 September 2019 16:50 (20 minutes)*

**Presenter:** REDMER, Christoph

**Session Classification:** HLbL Experiment

Contribution ID: 12

Type: **not specified**

## Discussion wish-list

*Monday, 9 September 2019 17:10 (50 minutes)*

**Presenter:** KUPSC, Andrzej

**Session Classification:** HLbL Experiment

Contribution ID: 13

Type: **not specified**

## **Belle II prospects**

*Tuesday, 10 September 2019 09:00 (30 minutes)*

**Presenter:** IJJIMA, Toru

**Session Classification:** HVP Experiment

Contribution ID: 14

Type: **not specified**

## **CMD-3**

*Tuesday, 10 September 2019 09:30 (20 minutes)*

**Presenter:** LOGASHENKO, Ivan

**Session Classification:** HVP Experiment



Contribution ID: 15

Type: **not specified**

## **SND**

*Tuesday, 10 September 2019 09:50 (20 minutes)*

**Presenter:** KUPICH, Andrey

**Session Classification:** HVP Experiment

Contribution ID: **16**

Type: **not specified**

## **Discussion**

*Tuesday, 10 September 2019 10:10 (30 minutes)*

**Session Classification:** HVP Experiment

Contribution ID: 17

Type: **not specified**

## QED theory

*Tuesday, 10 September 2019 11:10 (30 minutes)*

**Presenter:** AOYAMA, Tatsumi

**Session Classification:** Electron g-2

Contribution ID: **18**

Type: **not specified**

## **Future measurement of electron g-2**

*Tuesday, 10 September 2019 11:40 (30 minutes)*

**Presenter:** FAYER, Samuel

**Session Classification:** Electron g-2

Contribution ID: 19

Type: **not specified**

## **Berkeley measurement of alpha**

*Tuesday, 10 September 2019 14:00 (30 minutes)*

**Presenter:** PAGEL, Zachary

**Session Classification:** Electron g-2

Contribution ID: 20

Type: **not specified**

## Paris measurement of alpha

*Tuesday, 10 September 2019 14:30 (30 minutes)*

**Presenter:** GUELLATI-KHELIFA, Saida

**Session Classification:** Electron g-2

Contribution ID: 21

Type: **not specified**

## Discussion

*Tuesday, 10 September 2019 15:00 (30 minutes)*

**Session Classification:** Electron g-2

Contribution ID: 22

Type: **not specified**

## MUonE

*Tuesday, 10 September 2019 16:00 (30 minutes)*

**Presenter:** CARLONI CALAME, Carlo

**Session Classification:** MUonE



Contribution ID: 23

Type: **not specified**

## **Lattice for MUonE**

*Tuesday, 10 September 2019 16:30 (20 minutes)*

**Presenter:** KRSTIC MARINKOVIC, Marina

**Session Classification:** MUonE

Contribution ID: 24

Type: **not specified**

## **Radiative corrections for MUonE**

*Tuesday, 10 September 2019 16:50 (20 minutes)*

**Presenter:** FAEL, Matteo

**Session Classification:** MUonE

Contribution ID: 25

Type: **not specified**

## Discussion

*Tuesday, 10 September 2019 17:10 (30 minutes)*

**Session Classification:** MUonE

Contribution ID: 26

Type: **not specified**

## **HVP DR status: DHMZ**

*Wednesday, 11 September 2019 09:00 (20 minutes)*

**Presenter:** ZHANG, Zhiqing

**Session Classification:** HVP dispersive

Contribution ID: 27

Type: **not specified**

## **HVP DR status: KNT**

*Wednesday, 11 September 2019 09:20 (20 minutes)*

**Presenter:** NOMURA, Daisuke

**Session Classification:** HVP dispersive

Contribution ID: 28

Type: **not specified**

## **Radiative corrections**

*Wednesday, 11 September 2019 09:40 (20 minutes)*

**Presenter:** CZYZ, Henryk

**Session Classification:** HVP dispersive

Contribution ID: 29

Type: **not specified**

## 2pi analyticity constraints

*Wednesday, 11 September 2019 10:30 (20 minutes)*

**Presenter:** STOFFER, Peter

**Session Classification:** HVP dispersive

Contribution ID: **30**

Type: **not specified**

## **3pi analyticity constraints**

*Wednesday, 11 September 2019 10:50 (20 minutes)*

**Presenter:** KUBIS, Bastian

**Session Classification:** HVP dispersive



Contribution ID: **31**

Type: **not specified**

## **Discussion**

*Wednesday, 11 September 2019 11:10 (30 minutes)*

**Session Classification:** HVP dispersive

Contribution ID: **32**

Type: **not specified**

## **HLbL RBC**

*Wednesday, 11 September 2019 13:40 (40 minutes)*

**Presenter:** JIN, Luchang

**Session Classification:** HLbL lattice

Contribution ID: **33**

Type: **not specified**

## **HLbL Mainz**

*Wednesday, 11 September 2019 14:20 (20 minutes)*

**Presenter:** HUDSPITH, Renwick

**Session Classification:** HLbL lattice

Contribution ID: 34

Type: **not specified**

## **Finite-volume effects in HLbL**

*Wednesday, 11 September 2019 14:40 (20 minutes)*

**Presenter:** CHAO, En-Hung

**Session Classification:** HLbL lattice

Contribution ID: 35

Type: **not specified**

## Discussion

*Wednesday, 11 September 2019 15:00 (30 minutes)*

**Session Classification:** HLbL lattice

Contribution ID: **36**

Type: **not specified**

## **HVP dispersive**

*Wednesday, 11 September 2019 16:00 (2 hours)*

**Session Classification:** White Paper

Contribution ID: 37

Type: **not specified**

## HVP lattice

*Wednesday, 11 September 2019 16:00 (2 hours)*

**Presenter:** Dr MIURA, Kohtaroh (Helmholtz-Institut Mainz)

**Session Classification:** White Paper

Contribution ID: **38**

Type: **not specified**

## **HLbL analytic**

*Wednesday, 11 September 2019 16:00 (2 hours)*

**Session Classification:** White Paper



Contribution ID: **39**

Type: **not specified**

## **HLbL lattice**

*Wednesday, 11 September 2019 16:00 (2 hours)*

**Session Classification:** White Paper

Contribution ID: 40

Type: **not specified**

## **Pion-TFF and pion-pole from lattice**

*Thursday, 12 September 2019 09:00 (20 minutes)*

**Presenter:** NYFFELER, Andreas

**Session Classification:** HLbL analytic

Contribution ID: 41

Type: **not specified**

## **eta and eta' poles from dispersion relations**

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

**Presenter:** HOLZ, Simon

**Session Classification:** HLbL analytic

Contribution ID: 42

Type: **not specified**

## **Pion contribution from Schwinger sum rule**

*Thursday, 12 September 2019 09:40 (20 minutes)*

**Presenter:** HAGELSTEIN, Franziska

**Session Classification:** HLbL analytic

Contribution ID: 43

Type: **not specified**

## Discussion

*Thursday, 12 September 2019 10:00 (30 minutes)*

**Session Classification:** HLbL analytic

Contribution ID: 44

Type: **not specified**

## Dispersion relations for $\gamma^* \gamma^* \rightarrow \pi \pi$

*Thursday, 12 September 2019 11:00 (20 minutes)*

**Presenter:** STOFFER, Peter

**Session Classification:** HLbL analytic

Contribution ID: 45

Type: **not specified**

## **Dispersion relations for $\gamma^* \gamma^* \rightarrow \pi \pi, \pi \eta$**

*Thursday, 12 September 2019 11:20 (20 minutes)*

**Presenter:** DANILKIN, Igor

**Session Classification:** HLbL analytic

Contribution ID: 46

Type: **not specified**

## Discussion

*Thursday, 12 September 2019 11:40 (20 minutes)*

**Session Classification:** HLbL analytic



Contribution ID: 47

Type: **not specified**

## **Short-distance contribution to HLbL**

*Thursday, 12 September 2019 13:50 (20 minutes)*

**Presenter:** BIJNENS, Johan

**Session Classification:** HLbL analytic

Contribution ID: 48

Type: **not specified**

## **Pseudoscalar poles and longitudinal short-distance constraints**

*Thursday, 12 September 2019 14:10 (20 minutes)*

**Presenter:** LAUB, Laetitia

**Session Classification:** HLbL analytic

Contribution ID: 49

Type: **not specified**

## **Axials and transversal short-distance constraints**

*Thursday, 12 September 2019 14:30 (20 minutes)*

**Presenter:** HOFERICHTER, Martin

**Session Classification:** HLbL analytic

Contribution ID: 50

Type: **not specified**

## **Odd-parity sector, phenomenology and $g-2$**

*Thursday, 12 September 2019 14:50 (20 minutes)*

**Presenter:** KAMPF, Karol

**Session Classification:** HLbL analytic

Contribution ID: 51

Type: **not specified**

## Discussion

*Thursday, 12 September 2019 15:10 (30 minutes)*

**Session Classification:** HLbL analytic

Contribution ID: 52

Type: **not specified**

## **HLbL from Dyson-Schwinger equations**

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

**Presenter:** FISCHER, Christian

**Session Classification:** HLbL analytic

Contribution ID: 53

Type: **not specified**

## **Dispersive sum rules for $g-2$ and HLbL**

*Thursday, 12 September 2019 16:30 (20 minutes)*

**Presenter:** PASCALUTSA, Vladimir

**Session Classification:** HLbL analytic

Contribution ID: 54

Type: **not specified**

## **Dispersive approach to HLbL**

**Presenter:** PAUK, Vladislav



Contribution ID: 55

Type: **not specified**

## **Comments on dispersive approach to HLbL**

*Thursday, 12 September 2019 16:50 (20 minutes)*

**Presenter:** VAINSHTEIN, Arkady

**Session Classification:** HLbL analytic

Contribution ID: 56

Type: **not specified**

## Discussion

*Thursday, 12 September 2019 17:10 (30 minutes)*

**Session Classification:** HLbL analytic

Contribution ID: 57

Type: **not specified**

## Status/Plan ETMC

*Friday, 13 September 2019 09:00 (20 minutes)*

**Presenter:** GIUSTI, Davide

**Session Classification:** HVP lattice

Contribution ID: 58

Type: **not specified**

## Status/Plan Mainz

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

**Presenter:** GERARDIN, Antoine

**Session Classification:** HVP lattice

Contribution ID: 59

Type: **not specified**

## Status/Plan BMWc

*Friday, 13 September 2019 09:40 (20 minutes)*

**Presenter:** LELLOUCH, Laurent

**Session Classification:** HVP lattice

Contribution ID: **60**

Type: **not specified**

## **Status/Plan RBC/UKQCD**

*Friday, 13 September 2019 10:30 (20 minutes)*

**Presenter:** LEHNER, Christoph

**Session Classification:** HVP lattice

Contribution ID: **61**

Type: **not specified**

## **Status/Plan FNAL/MILC/HPQCD**

*Friday, 13 September 2019 10:50 (20 minutes)*

**Presenter:** GOTTLIEB, Steven

**Session Classification:** HVP lattice

Contribution ID: **62**

Type: **not specified**

## **Status/Plan Aubin et al.**

*Friday, 13 September 2019 11:10 (20 minutes)*

**Presenter:** BLUM, Tom

**Session Classification:** HVP lattice



Contribution ID: **63**

Type: **not specified**

## **Discussion**

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

**Session Classification:** HVP lattice

Contribution ID: **64**

Type: **not specified**

## **FV effects QED corrections**

*Friday, 13 September 2019 13:40 (20 minutes)*

**Presenter:** HERMANSSON-TRUEDSSON, Nils

**Session Classification:** HVP lattice

Contribution ID: 65

Type: **not specified**

## **Tau/Isospin-breaking corrections**

*Friday, 13 September 2019 14:00 (20 minutes)*

**Presenter:** BRUNO, Mattia

**Session Classification:** HVP lattice

Contribution ID: **66**

Type: **not specified**

## **HVP contribution to running of $\alpha$ and $\sin^2 \theta$**

*Friday, 13 September 2019 14:20 (20 minutes)*

**Presenter:** CE, Marco

**Session Classification:** HVP lattice

Contribution ID: 67

Type: **not specified**

## Discussion

*Friday, 13 September 2019 14:40 (20 minutes)*

**Session Classification:** HVP lattice

Contribution ID: **68**

Type: **not specified**

## **Final discussion**

*Friday, 13 September 2019 15:30 (1 hour)*

**Session Classification:** White Paper

Contribution ID: **69**

Type: **not specified**

## **HVP dispersive**

*Friday, 13 September 2019 08:00 (50 minutes)*

**Session Classification:** White Paper

Contribution ID: 70

Type: **not specified**

# HLbL analytic