

**5th Workstop / Thinkstart:
Radiative corrections and
Monte Carlo tools for Strong
2020**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome & registration

Monday, June 5, 2023 10:00 AM (30 minutes)

Presenter: ULRICH, Yannick (University of Durham)

Session Classification: Welcome

Contribution ID: 2

Type: **not specified**

Connection WP - processes

Monday, June 5, 2023 10:50 AM (20 minutes)

Presenter: SIGNER, Adrian (PSI - Paul Scherrer Institut)

Session Classification: General discussion

Contribution ID: 3

Type: **not specified**

What do we want?

Monday, June 5, 2023 10:35 AM (15 minutes)

Presenter: SIGNER, Adrian (PSI - Paul Scherrer Institut)

Session Classification: General discussion

Contribution ID: 4

Type: **not specified**

From Diagrams to Amplitudes

Tuesday, June 6, 2023 9:00 AM (20 minutes)

Presenter: BOBADILLA, William Torres

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: 5

Type: **not specified**

Towards N³LO: Overview

Tuesday, June 6, 2023 2:00 PM (15 minutes)

Presenter: ULRICH, Yannick (University of Durham)

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: 6

Type: **not specified**

QED resummation in Monte Carlo

Wednesday, June 7, 2023 9:00 AM (1 hour)

Presenters: CARLONI CALAME, Carlo (INFN, Pavia (IT)); SCHOENHERR, Marek (Durham University)

Session Classification: WP4: parton showers

Contribution ID: 7

Type: **not specified**

Introduction; FsQED (10' + 10')

Monday, June 5, 2023 2:00 PM (20 minutes)

Presenter: STOFFER, Peter (UZH and PSI)

Session Classification: WP3: processes with hadrons

Contribution ID: 8

Type: **not specified**

Taking stock & Summary

Thursday, June 8, 2023 9:00 AM (1 hour)

Presenter: SIGNER, Adrian (PSI - Paul Scherrer Institut)

Session Classification: General discussion

Contribution ID: 9

Type: **not specified**

Homework assignments

Friday, June 9, 2023 10:00 AM (1h 30m)

Session Classification: General discussion

Contribution ID: **10**

Type: **not specified**

Open discussion

Monday, June 5, 2023 3:10 PM (20 minutes)

Session Classification: WP3: processes with hadrons

Contribution ID: 11

Type: **not specified**

Two-pion channel (10' + 15')

Monday, June 5, 2023 2:20 PM (25 minutes)

Presenter: COLANGELO, Gilberto (University of Bern)

Session Classification: WP3: processes with hadrons

Contribution ID: 12

Type: **not specified**

Three-pion channel (10' + 15')

Monday, June 5, 2023 2:45 PM (25 minutes)

Presenter: KUBIS, Bastian (HISKP Uni Bonn)

Session Classification: WP3: processes with hadrons

Contribution ID: 13

Type: **not specified**

Hadrons in Phokhara (10' + 15')

Monday, June 5, 2023 4:00 PM (25 minutes)

Presenter: CZYZ, Henryk

Session Classification: WP3: processes with hadrons

Contribution ID: 14

Type: **not specified**

Comparison of different MCs (10' + 15')

Monday, June 5, 2023 4:25 PM (25 minutes)

Presenter: Dr IGNATOV, Fedor (University of Liverpool)

Session Classification: WP3: processes with hadrons

Contribution ID: 15

Type: **not specified**

Open discussion

Monday, June 5, 2023 4:50 PM (25 minutes)

Session Classification: WP3: processes with hadrons

Contribution ID: 16

Type: **not specified**

Perspectives on CMD-3 result

Monday, June 5, 2023 5:15 PM (45 minutes)

Presenter: Dr IGNATOV, Fedor (University of Liverpool)

Session Classification: WP3: processes with hadrons

Contribution ID: 17

Type: **not specified**

From Amplitudes to Cross Sections

Tuesday, June 6, 2023 9:20 AM (20 minutes)

Presenter: ENGEL, Tim

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: **18**

Type: **not specified**

From Cross Sections to Events: An amateur's guide

Tuesday, June 6, 2023 9:40 AM (20 minutes)

Presenter: ULRICH, Yannick (University of Durham)

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: 19

Type: **not specified**

Dispersive Approach to Massive Two-Loop Amplitudes

Tuesday, June 6, 2023 10:30 AM (20 minutes)

Presenter: GURGONE, Andrea (University of Pavia & INFN Pavia)

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: 20

Type: **not specified**

Towards N³LO: three-loop form factor

Tuesday, June 6, 2023 2:15 PM (20 minutes)

Presenter: LANGE, Fabian (KIT)

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: 21

Type: **not specified**

Towards N³LO: soft and collinear regions

Tuesday, June 6, 2023 2:35 PM (20 minutes)

Presenter: ENGEL, Tim

Session Classification: WP1 & 2: leptonic processes at NNLO & beyond

Contribution ID: 22

Type: **not specified**

Other processes

Monday, June 5, 2023 11:10 AM (20 minutes)

Presenter: KUPSC, Andrzej

Session Classification: General discussion

Contribution ID: 23

Type: **not specified**

Getting organised

Monday, June 5, 2023 11:30 AM (30 minutes)

Session Classification: General discussion