

Workshop on Automatic Phenomenology

Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening words

Primary author: GOODSSELL, Mark Dayvon (Centre National de la Recherche Scientifique (FR))

Presenter: GOODSSELL, Mark Dayvon (Centre National de la Recherche Scientifique (FR))

Session Classification: Welcome and Trilinear Couplings

Contribution ID: 2

Type: **not specified**

Trilinear Higgs coupling: higher-order corrections and new constraints on BSM parameter spaces

Tuesday, 7 June 2022 14:40 (1 hour)

Primary author: BRAATHEN, Johannes (DESY)

Presenter: BRAATHEN, Johannes (DESY)

Session Classification: Welcome and Trilinear Couplings

Contribution ID: 3

Type: **not specified**

Precise predictions for the trilinear Higgs coupling in arbitrary models

Tuesday, 7 June 2022 15:50 (1 hour)

Primary author: GABELMANN, Martin (DESY)

Presenter: GABELMANN, Martin (DESY)

Session Classification: Welcome and Trilinear Couplings

Contribution ID: 4

Type: **not specified**

FlexibleDecay: An automated calculator of scalar decay widths

Wednesday, 8 June 2022 11:00 (1 hour)

Primary author: KOTLARSKI, Wojciech

Presenter: KOTLARSKI, Wojciech

Session Classification: FlexibleSUSY - Part 1

Contribution ID: 5

Type: **not specified**

Discussion

Wednesday, 8 June 2022 12:00 (30 minutes)

Session Classification: FlexibleSUSY - Part 1

Contribution ID: 6

Type: **not specified**

NPointFunctions - an extension to the FlexibleSUSY program, overview and applications

Wednesday, 8 June 2022 14:30 (1 hour)

Primary author: KHASIANEVICH, Uladzimir (TU Dresden)

Presenter: KHASIANEVICH, Uladzimir (TU Dresden)

Session Classification: FlexibleSUSY and MARTY

Contribution ID: 7

Type: **not specified**

Discussion

Wednesday, 8 June 2022 15:30 (30 minutes)

Session Classification: FlexibleSUSY and MARTY

Contribution ID: 8

Type: **not specified**

MARTY, status and perspective

Wednesday, 8 June 2022 16:00 (1 hour)

Primary author: UHLRICH, Gregoire (Universite de Geneve (CH))

Presenter: UHLRICH, Gregoire (Universite de Geneve (CH))

Session Classification: FlexibleSUSY and MARTY

Contribution ID: 9

Type: **not specified**

Discussion

Wednesday, 8 June 2022 17:00 (30 minutes)

Session Classification: FlexibleSUSY and MARTY

Contribution ID: **10**

Type: **not specified**

TBC

Thursday, 9 June 2022 10:30 (1 hour)

Primary author: PASSEHR, Sebastian (RWTH Aachen University)

Presenter: PASSEHR, Sebastian (RWTH Aachen University)

Session Classification: Thursday morning

Contribution ID: 11

Type: **not specified**

Discussion

Thursday, 9 June 2022 11:30 (30 minutes)

Session Classification: Thursday morning

Contribution ID: 12

Type: **not specified**

HiggsTools: A Toolbox for BSM Scalar Phenomenology

Thursday, 9 June 2022 14:00 (1 hour)

Primary author: BAHL, Henning

Presenter: BAHL, Henning

Session Classification: Thursday afternoon

Contribution ID: 13

Type: **not specified**

Discussion

Thursday, 9 June 2022 15:00 (30 minutes)

Session Classification: Thursday afternoon

Contribution ID: 14

Type: **not specified**

Composite Higgs models, LHC bounds and challenges for automatisisation

Thursday, 9 June 2022 15:30 (1 hour)

Primary author: POROD, Werner Rudolf (Julius Maximilians Universitaet Wuerzburg (DE))

Presenter: POROD, Werner Rudolf (Julius Maximilians Universitaet Wuerzburg (DE))

Session Classification: Thursday afternoon

Contribution ID: 15

Type: **not specified**

Discussion

Session Classification: Thursday afternoon

Contribution ID: **16**

Type: **not specified**

Workshop dinner @ l'Invitee

Wednesday, 8 June 2022 19:00 (2h 30m)

<https://www.linvitee.fr/>

L'invitée
8, rue Thénard
75005 Paris

Contribution ID: 17

Type: **not specified**

Opening words and coughs

Tuesday, 7 June 2022 14:20 (20 minutes)

Presenter: GOODSSELL, Mark Dayvon (Centre National de la Recherche Scientifique (FR))

Session Classification: Welcome and Trilinear Couplings

Contribution ID: **18**

Type: **not specified**

Improving calculations of $g-2$ and EDMs to one-loop level

Wednesday, 8 June 2022 10:30 (30 minutes)

Presenter: DAY, Hannah

Session Classification: FlexibleSUSY - Part 1