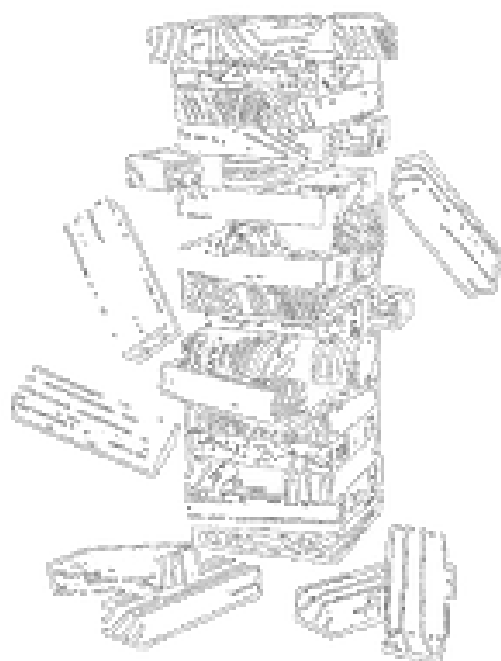


7th Patatrack Hackathon



Report of Contributions

Contribution ID: **1**

Type: **not specified**

Welcome

Monday 30 September 2019 09:30 (10 minutes)

Presenters: PANTALEO, Felice (CERN); MALGERI, Luca (CERN)

Contribution ID: 2

Type: **not specified**

Hacking

Monday 30 September 2019 09:40 (2h 50m)

Contribution ID: 3

Type: **not specified**

Hacking

Monday 30 September 2019 13:30 (3h 30m)

Contribution ID: 4

Type: **not specified**

Scrum

Presenters: DIPILATO, Antonio (Universita e INFN, Bari (IT)); VAN ONSEM, Gerrit (CERN); CRISTELLA, Leonardo (Università & INFN, Bari (IT)); IIYAMA, Yutaro (CERN)

Contribution ID: 5

Type: **not specified**

Hacking

Tuesday 1 October 2019 09:00 (3h 30m)

Contribution ID: 6

Type: **not specified**

Hacking

Tuesday 1 October 2019 13:30 (3h 30m)

Contribution ID: 7

Type: **not specified**

Scrum

Contribution ID: 8

Type: **not specified**

Hacking

Wednesday 2 October 2019 09:00 (3h 30m)

Contribution ID: 9

Type: **not specified**

Hacking

Contribution ID: **10**

Type: **not specified**

Hacking

Thursday 3 October 2019 09:00 (3h 30m)

Contribution ID: **11**

Type: **not specified**

Hacking

Wednesday 2 October 2019 13:30 (3 hours)

Contribution ID: 12

Type: **not specified**

Hacking

Contribution ID: **13**

Type: **not specified**

Hacking

Thursday 3 October 2019 13:30 (3 hours)

Contribution ID: 14

Type: **not specified**

Scrum

Contribution ID: 15

Type: **not specified**

Scrum

Contribution ID: 16

Type: **not specified**

Scrum

Contribution ID: 17

Type: **not specified**

Patatournament

Contribution ID: **18**

Type: **not specified**

Social dinner

Contribution ID: **19**Type: **not specified**

Scrum

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); GUPTA, Abhijay (PES University (IN)); NANDI, Abhirikshma; POL, Adrian Alan (Université Paris-Saclay (FR)); Mr DI FLORIO, Adriano (Universita e INFN, Bari (IT)); Dr BOCCI, Andrea (CERN); MASSIRONI, Andrea (CERN); DI PILATO, Antonio (Universita e INFN, Bari (IT)); BHATTACHARYA, Anwasha; GIACOMINI, Francesco (INFN CNAF); VAN ONSEM, Gerrit (CERN); NGADIUBA, Jennifer (CERN); CRISTELLA, Leonardo (Università & INFN, Bari (IT)); ROVERE, Marco (CERN); D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US)); GONZALEZ CARPINTERO, Mario; KORTELAJINEN, Matti (Fermi National Accelerator Lab. (US)); PIERINI, Maurizio (CERN); VIEIRA DE CASTRO FERREIRA DA SILVA, Pedro (CERN); SAGEAR, Sheila Angela (Boston University (US)); SUMMERS, Sioni Paris (CERN); NGUYEN, Thong (California Institute of Technology (US)); KHRISTENKO, Viktor (CERN); LONCAR, Vladimir (University of Belgrade (RS)); IIYAMA, Yutaro (CERN)

Contribution ID: 20

Type: **not specified**

Scrum

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); GUPTA, Abhijay (PES University (IN)); NANDI, Abhirikshma; POL, Adrian Alan (Université Paris-Saclay (FR)); Mr DI FLORIO, Adriano (Universita e INFN, Bari (IT)); Dr BOCCI, Andrea (CERN); MASSIRONI, Andrea (CERN); DI PILATO, Antonio (Universita e INFN, Bari (IT)); BHATTACHARYA, Anwasha; MARCATO, Davide; GIACOMINI, Francesco (INFN CNAF); VAN ONSEM, Gerrit (CERN); NGADIUBA, Jennifer (CERN); CRISTELLA, Leonardo (Università & INFN, Bari (IT)); ROVERE, Marco (CERN); D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US)); GONZALEZ CARPINTERO, Mario; KORTELAJNEN, Matti (Fermi National Accelerator Lab. (US)); PIERINI, Maurizio (CERN); VIEIRA DE CASTRO FERREIRA DA SILVA, Pedro (CERN); SAGEAR, Sheila Angela (Boston University (US)); SUMMERS, Sioni Paris (CERN); NGUYEN, Thong (California Institute of Technology (US)); KHRISTENKO, Viktor (CERN); LONCAR, Vladimir (University of Belgrade (RS)); IIYAMA, Yutaro (CERN)

Contribution ID: 21

Type: **not specified**

Scrum

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); GUPTA, Abhijay (PES University (IN)); NANDI, Abhirikshma; POL, Adrian Alan (Université Paris-Saclay (FR)); Mr DI FLORIO, Adriano (Universita e INFN, Bari (IT)); Dr BOCCI, Andrea (CERN); MASSIRONI, Andrea (CERN); DI PILATO, Antonio (Universita e INFN, Bari (IT)); BHATTACHARYA, Anwasha; MARCATO, Davide; GIACOMINI, Francesco (INFN CNAF); VAN ONSEM, Gerrit (CERN); NGADIUBA, Jennifer (CERN); CRISTELLA, Leonardo (Università & INFN, Bari (IT)); ROVERE, Marco (CERN); D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US)); GONZALEZ CARPINTERO, Mario; KORTELAJNEN, Matti (Fermi National Accelerator Lab. (US)); PIERINI, Maurizio (CERN); VIEIRA DE CASTRO FERREIRA DA SILVA, Pedro (CERN); SAGEAR, Sheila Angela (Boston University (US)); SUMMERS, Sioni Paris (CERN); NGUYEN, Thong (California Institute of Technology (US)); KHRISTENKO, Viktor (CERN); LONCAR, Vladimir (University of Belgrade (RS)); IIYAMA, Yutaro (CERN)

Contribution ID: 22

Type: **not specified**

Scrum

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); GUPTA, Abhijay (PES University (IN)); NANDI, Abhirikshma; POL, Adrian Alan (Université Paris-Saclay (FR)); Mr DI FLORIO, Adriano (Universita e INFN, Bari (IT)); Dr BOCCI, Andrea (CERN); MASSIRONI, Andrea (CERN); DI PILATO, Antonio (Universita e INFN, Bari (IT)); BHATTACHARYA, Anwasha; MARCATO, Davide; GIACOMINI, Francesco (INFN CNAF); VAN ONSEM, Gerrit (CERN); NGADIUBA, Jennifer (CERN); CRISTELLA, Leonardo (Università & INFN, Bari (IT)); ROVERE, Marco (CERN); D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US)); GONZALEZ CARPINTERO, Mario; KORTELAINEEN, Matti (Fermi National Accelerator Lab. (US)); PIERINI, Maurizio (CERN); VIEIRA DE CASTRO FERREIRA DA SILVA, Pedro (CERN); SAGEAR, Sheila Angela (Boston University (US)); SUMMERS, Sioni Paris (CERN); NGUYEN, Thong (California Institute of Technology (US)); KHRISTENKO, Viktor (CERN); LONCAR, Vladimir (University of Belgrade (RS)); IIYAMA, Yutaro (CERN)

Contribution ID: 23

Type: **not specified**

Scrum

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); GUPTA, Abhijay (PES University (IN)); NANDI, Abhirikshma; POL, Adrian Alan (Université Paris-Saclay (FR)); Mr DI FLORIO, Adriano (Universita e INFN, Bari (IT)); Dr BOCCI, Andrea (CERN); MASSIRONI, Andrea (CERN); DI PILATO, Antonio (Universita e INFN, Bari (IT)); BHATTACHARYA, Anwasha; MARCATO, Davide; GIACOMINI, Francesco (INFN CNAF); VAN ONSEM, Gerrit (CERN); NGADIUBA, Jennifer (CERN); CRISTELLA, Leonardo (Università & INFN, Bari (IT)); ROVERE, Marco (CERN); D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US)); GONZALEZ CARPINTERO, Mario; KORTELAINEEN, Matti (Fermi National Accelerator Lab. (US)); PIERINI, Maurizio (CERN); VIEIRA DE CASTRO FERREIRA DA SILVA, Pedro (CERN); SAGEAR, Sheila Angela (Boston University (US)); SUMMERS, Sioni Paris (CERN); NGUYEN, Thong (California Institute of Technology (US)); KHRISTENKO, Viktor (CERN); LONCAR, Vladimir (University of Belgrade (RS)); IIYAMA, Yutaro (CERN)

Contribution ID: 24

Type: **not specified**

Conclusion

Thursday 3 October 2019 17:30 (5 minutes)

Presenter: PANTALEO, Felice (CERN)

Contribution ID: 25

Type: **not specified**

ECALTeam

Monday 30 September 2019 17:00 (2 minutes)

Presenters: MASSIRONI, Andrea (CERN); VALSECCHI, Davide (Università degli Studi e INFN di Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: 26

Type: **not specified**

TensorRT

Monday 30 September 2019 17:02 (2 minutes)

Presenter: DI PILATO, Antonio (Universita e INFN, Bari (IT))

Session Classification: Scrum

Contribution ID: 27

Type: **not specified**

Pileup mitigation

Monday 30 September 2019 17:04 (2 minutes)

Presenter: GOUSKOS, Loukas (CERN)

Session Classification: Scrum

Contribution ID: **28**

Type: **not specified**

ml4reco (GNN)

Monday 30 September 2019 17:06 (2 minutes)

Presenters: GUPTA, Abhijay (PES University (IN)); KIESELER, Jan (CERN)

Session Classification: Scrum

Contribution ID: 29

Type: **not specified**

hls4ml

Monday 30 September 2019 17:08 (2 minutes)

Presenters: POL, Adrian Alan (Université Paris-Saclay (FR)); NGADIUBA, Jennifer (CERN); LON-CAR, Vladimir (University of Belgrade (RS))

Session Classification: Scrum

Contribution ID: **30**

Type: **not specified**

ml4reco (CNN)

Monday 30 September 2019 17:10 (2 minutes)

Presenter: VAN ONSEM, Gerrit (CERN)

Session Classification: Scrum

Contribution ID: 31

Type: **not specified**

Multiple architectures

Monday 30 September 2019 17:12 (2 minutes)

Presenters: Mr JASHAL, Brij Kishor (Tata Inst. of Fundamental Research (IN)); REDJEB, Wahid (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: **32**

Type: **not specified**

PFScouting

Monday 30 September 2019 17:14 (2 minutes)

Presenter: SALFELD-NEBGEN, Jakob (CERN)

Session Classification: Scrum

Contribution ID: 33

Type: **not specified**

Make Jets Great Again

Monday 30 September 2019 17:16 (2 minutes)

Presenters: LANGE, Clemens (CERN); STEGGEMANN, Jan (CERN)

Session Classification: Scrum

Contribution ID: 34

Type: **not specified**

fastjet in CUDA

Monday 30 September 2019 17:18 (2 minutes)

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); Dr BOCCI, Andrea (CERN)

Session Classification: Scrum

Contribution ID: 35

Type: **not specified**

HCAL on GPU

Monday 30 September 2019 17:20 (2 minutes)

Presenter: D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US))

Session Classification: Scrum

Contribution ID: **36**

Type: **not specified**

TF 2.0

Monday 30 September 2019 17:22 (2 minutes)

Presenter: RIEGER, Marcel (CERN)

Session Classification: Scrum

Contribution ID: 37

Type: **not specified**

ECALTeam

Tuesday 1 October 2019 17:00 (2 minutes)

Presenters: MASSIRONI, Andrea (CERN); VALSECCHI, Davide (Università degli Studi e INFN di Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: **38**

Type: **not specified**

TensorRT

Tuesday 1 October 2019 17:02 (2 minutes)

Presenters: DI FLORIO, Adriano (Universita e INFN, Bari (IT)); DI PILATO, Antonio (Universita e INFN, Bari (IT))

Session Classification: Scrum

Contribution ID: 39

Type: **not specified**

Pileup mitigation

Tuesday 1 October 2019 17:04 (2 minutes)

Presenter: GOUSKOS, Loukas (CERN)

Session Classification: Scrum

Contribution ID: 40

Type: **not specified**

ml4reco (GNN)

Tuesday 1 October 2019 17:06 (2 minutes)

Presenters: GUPTA, Abhijay (PES University (IN)); KIESELER, Jan (CERN)

Session Classification: Scrum

Contribution ID: 41

Type: **not specified**

hls4ml

Tuesday 1 October 2019 17:08 (2 minutes)

Presenters: POL, Adrian Alan (Université Paris-Saclay (FR)); NGADIUBA, Jennifer (CERN); LON-CAR, Vladimir (University of Belgrade (RS))

Session Classification: Scrum

Contribution ID: 42

Type: **not specified**

ml4reco (CNN)

Tuesday 1 October 2019 17:10 (2 minutes)

Presenter: VAN ONSEM, Gerrit (CERN)

Session Classification: Scrum

Contribution ID: 43

Type: **not specified**

Multiple architectures

Tuesday 1 October 2019 17:12 (2 minutes)

Presenters: Mr JASHAL, Brij Kishor (Tata Inst. of Fundamental Research (IN)); REDJEB, Wahid (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: 44

Type: **not specified**

PFScouting

Tuesday 1 October 2019 17:14 (2 minutes)

Presenter: SALFELD-NEBGEN, Jakob (CERN)

Session Classification: Scrum

Contribution ID: 45

Type: **not specified**

Make Jets Great Again

Tuesday 1 October 2019 17:16 (2 minutes)

Presenters: LANGE, Clemens (CERN); STEGGEMANN, Jan (CERN)

Session Classification: Scrum

Contribution ID: 46

Type: **not specified**

fastjet in CUDA

Tuesday 1 October 2019 17:18 (2 minutes)

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); Dr BOCCI, Andrea (CERN)

Session Classification: Scrum

Contribution ID: 47

Type: **not specified**

HCAL on GPU

Tuesday 1 October 2019 17:20 (2 minutes)

Presenter: D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US))

Session Classification: Scrum

Contribution ID: **48**

Type: **not specified**

TF 2.0

Tuesday 1 October 2019 17:22 (2 minutes)

Presenter: RIEGER, Marcel (CERN)

Session Classification: Scrum

Contribution ID: 49

Type: **not specified**

ECALTeam

Wednesday 2 October 2019 16:30 (2 minutes)

Presenters: MASSIRONI, Andrea (CERN); VALSECCHI, Davide (Università degli Studi e INFN di Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: 50

Type: **not specified**

TensorRT

Wednesday 2 October 2019 16:32 (2 minutes)

Presenters: DI FLORIO, Adriano (Universita e INFN, Bari (IT)); DI PILATO, Antonio (Universita e INFN, Bari (IT))

Session Classification: Scrum

Contribution ID: 51

Type: **not specified**

Pileup mitigation

Wednesday 2 October 2019 16:34 (2 minutes)

Presenter: GOUSKOS, Loukas (CERN)

Session Classification: Scrum

Contribution ID: 52

Type: **not specified**

ml4reco (GNN)

Wednesday 2 October 2019 16:36 (2 minutes)

Presenters: GUPTA, Abhijay (PES University (IN)); KIESELER, Jan (CERN)

Session Classification: Scrum

Contribution ID: 53

Type: **not specified**

hls4ml

Wednesday 2 October 2019 16:38 (2 minutes)

Presenters: POL, Adrian Alan (Université Paris-Saclay (FR)); NGADIUBA, Jennifer (CERN); LON-CAR, Vladimir (University of Belgrade (RS))

Session Classification: Scrum

Contribution ID: 54

Type: **not specified**

ml4reco (CNN)

Wednesday 2 October 2019 16:40 (2 minutes)

Presenter: VAN ONSEM, Gerrit (CERN)

Session Classification: Scrum

Contribution ID: 55

Type: **not specified**

Multiple architectures

Wednesday 2 October 2019 16:42 (2 minutes)

Presenters: Mr JASHAL, Brij Kishor (Tata Inst. of Fundamental Research (IN)); REDJEB, Wahid (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: 56

Type: **not specified**

PFScouting

Wednesday 2 October 2019 16:44 (2 minutes)

Presenter: SALFELD-NEBGEN, Jakob (CERN)

Session Classification: Scrum

Contribution ID: 57

Type: **not specified**

Make Jets Great Again

Wednesday 2 October 2019 16:46 (2 minutes)

Presenters: LANGE, Clemens (CERN); STEGGEMANN, Jan (CERN)

Session Classification: Scrum

Contribution ID: 58

Type: **not specified**

fastjet in CUDA

Wednesday 2 October 2019 16:48 (2 minutes)

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); Dr BOCCI, Andrea (CERN)

Session Classification: Scrum

Contribution ID: 59

Type: **not specified**

HCAL on GPU

Wednesday 2 October 2019 16:50 (2 minutes)

Presenter: D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US))

Session Classification: Scrum

Contribution ID: **60**

Type: **not specified**

TF 2.0

Wednesday 2 October 2019 16:52 (2 minutes)

Presenter: RIEGER, Marcel (CERN)

Session Classification: Scrum

Contribution ID: **62**

Type: **not specified**

TensorRT

Thursday 3 October 2019 16:32 (2 minutes)

Presenters: DI FLORIO, Adriano (Universita e INFN, Bari (IT)); DI PILATO, Antonio (Universita e INFN, Bari (IT))

Session Classification: Scrum

Contribution ID: **64**

Type: **not specified**

ml4reco (GNN)

Thursday 3 October 2019 16:36 (2 minutes)

Presenters: GUPTA, Abhijay (PES University (IN)); KIESELER, Jan (CERN)

Session Classification: Scrum

Contribution ID: 65

Type: **not specified**

hls4ml

Thursday 3 October 2019 16:38 (2 minutes)

Presenters: POL, Adrian Alan (Université Paris-Saclay (FR)); NGADIUBA, Jennifer (CERN); LON-CAR, Vladimir (University of Belgrade (RS))

Session Classification: Scrum

Contribution ID: **66**

Type: **not specified**

ml4reco (CNN)

Thursday 3 October 2019 16:40 (2 minutes)

Presenter: VAN ONSEM, Gerrit (CERN)

Session Classification: Scrum

Contribution ID: 67

Type: **not specified**

Multiple architectures

Thursday 3 October 2019 16:42 (2 minutes)

Presenters: Mr JASHAL, Brij Kishor (Tata Inst. of Fundamental Research (IN)); REDJEB, Wahid (Universita & INFN, Milano-Bicocca (IT))

Session Classification: Scrum

Contribution ID: **69**

Type: **not specified**

Make Jets Great Again

Thursday 3 October 2019 16:46 (2 minutes)

Presenters: LANGE, Clemens (CERN); STEGGEMANN, Jan (CERN)

Session Classification: Scrum

Contribution ID: 70

Type: **not specified**

fastjet in CUDA

Thursday 3 October 2019 16:48 (2 minutes)

Presenters: MOHAMED, Abdulla (University of Bahrain (BH)); Dr BOCCI, Andrea (CERN)

Session Classification: Scrum

Contribution ID: 71

Type: **not specified**

HCAL on GPU

Thursday 3 October 2019 16:50 (2 minutes)

Presenter: D'ALFONSO, Mariarosaria (Massachusetts Inst. of Technology (US))

Session Classification: Scrum

Contribution ID: 72

Type: **not specified**

TF 2.0

Thursday 3 October 2019 16:52 (2 minutes)

Presenter: RIEGER, Marcel (CERN)

Session Classification: Scrum