

BOOST 2016: 8th International Workshop on Boosted Object Phenomenology, Reconstruction and Searches in HEP

Monday 18 July 2016

Plenary: Opening + Session I - CALCULATIONS - RAI-H-041 (09:45 - 12:30)

-Conveners: Florencia Canelli

time	[id] title	presenter
09:45	[64] Welcome	CANELLI, Florencia
10:00	[61] Theory Opening	Prof. PETRIELLO, Frank PETRIELLO, Frank Petriello
10:50	[62] Highlights from ATLAS and CMS	ERBACHER, Robin
11:40	[5] Factorization and Resummation of Soft Dropped D2	MOULT, Ian

Plenary: Session II - CALCULATION AND MEASUREMENT - RAI-H-041 (14:00 - 15:45)

-Conveners: Matthew Schwartz

time	[id] title	presenter
14:00	[18] A QCD description of jet shapes for boosted jets	SOYEZ, Gregory
14:25	[4] Jet Substructure at NNLL	LARKOSKI, Andrew
14:50	[39] Measurements of jet properties in CMS	ROY, Debarati ROY, Debarati
15:15	[50] Jet properties at ATLAS	NACHMAN, Ben

Plenary: Session III - TOP TAGGING: PERFORMANCE AND APPLICATION - RAI-H-041 (16:15 - 17:55)

-Conveners: Lily Asquith

time	[id] title	presenter
16:15	[49] Top differential cross section and charge asymmetry at ATLAS	NEGRINI, Matteo
16:40	[34] Top quark measurements in boosted topologies in CMS	SKINNARI, Louise
17:05	[42] New massive resonances with boosted top signatures at ATLAS	KOBAYASHI, Aine
17:30	[36] Search for New Massive Resonances with Boosted Top Signatures at CMS	NASH, Kevin Connor NASH, Kevin Connor
17:50	[72] How to get to the Aperol	KASIECZKA, Gregor

Tuesday 19 July 2016

Plenary: Session IV - FLAVOR - RAI-H-041 (09:00 - 10:45)

-Conveners: Alexander Schmidt

time	[id] title	presenter
09:00	[25] Identification of b jets in boosted event topologies with CMS	FERENCEK, Dinko
09:25	[55] Identification of b jets in boosted event topologies at ATLAS	WHALLON, Nikola Lazar
09:50	[57] X-> bbbar tagging ATLAS	ZENG, Qi
10:15	[3] Tagging $b\bar{b}$ quarks at extreme energies without tracks	HUFFMAN, Todd Brian
10:35	[73] Social Program	KILMINSTER, Ben

Plenary: Session V - W/Z TAGGERS - RAI-H-041 (11:15 - 12:30)

-Conveners: Andreas Hinzmann

time	[id] title	presenter
11:15	[11] Thinking outside the ROCs: Designing Decorrelated Taggers (DDT) for jet substructure	RAPPOCCIO, Salvatore
11:40	[53] Boosted W/Z-tagging at ATLAS	DATTAGUPTA, Aparajita DATTAGUPTA, Aparajita
12:05	[27] Boosted W/Z tagging in CMS	BRIANZA, Luca

Plenary: Session VI - TOP: CALCULATION AND MEASUREMENT - RAI-H-041 (14:00 - 15:45)

-Conveners: Thomas Gehrmann; Thomas Gehrmann

time	[id] title	presenter
14:00	[8] QCD resummation for boosted top production	PECJAK, Ben
14:25	[22] Kinematic Extraction of Short Distance Top Mass at the LHC	PATHAK, Aditya
14:50	[28] Boosted top tagging in CMS	KOGLER, Roman
15:15	[54] Boosted top-tagging at ATLAS	ANDERS, Christoph Falk

Plenary: Session VII - FUTURE - RAI-H-041 (16:15 - 17:30)

-Conveners: Jesse Thaler

time	[id] title	presenter
16:15	[7] Detectors for Superboosted Jet Substructure at Future Circular Colliders	TRAN, Nhan Viet
16:40	[21] Jet reconstruction at future e+e- colliders	SIMONIELLO, Rosa
17:05	[16] Boosted tops and the time-structure of the hot dense-medium of heavy-ion collisions	SALAM, Gavin

Wednesday 20 July 2016

Plenary: Session VIII - PILE UP AND CALCULATIONS - RAI-H-041 (09:00 - 10:20)

-Conveners: Ariel Gustavo Schwartzman

time	[id] title	presenter
09:00	[63] Factorization and resummation of non-global logarithms	Dr SHAO, dingyu
09:25	[52] Pile-up mitigation techniques at ATLAS	KLEIN, Matthew Henry
09:50	[6] Using wavelets for pile-up mitigation in hadron collisions	SOGAARD, Andreas

Plenary: Session IX - SEARCHES - RAI-H-041 (10:50 - 12:10)

-Conveners: Ben Kilminster

time	[id] title	presenter
10:50	[30] Search for Higgs-boson production in association with a top-quark pair at CMS	WILLIAMSON, Shawn Darrell WILLIAMSON, Shawn Darrell
11:05	[33] Search for light Z' to qq produced in association with a jet in CMS	TRAN, Nhan Viet
11:20	[41] Search for beyond the Standard Model Higgs boson decaying to a pair of new light bosons in boosted dimuon final states in CMS	RORIE, Jamal RORIE, Jamal Tildon RORIE, Jamal Tildon
11:35	[58] Jet mass response ATLAS	JANSKY, Roland JANSKY, Roland Wolfgang

Plenary: Mid-Week Session - RAI-H-041 (13:00 - 15:00)

-Conveners: Marcel Vos

time	[id] title	presenter
13:00	[68] Mid-week refocus	THALER, Jesse
13:45	[69] Open discussion	

Thursday 21 July 2016

Plenary: Session X - SEARCHES - RAI-H-041 (09:00 - 10:45)

-Conveners: **Andrea Rizzi**

time	[id] title	presenter
09:00	[47] SUSY using boosted techniques at ATLAS	STARK, Giordon Holtsberg
09:25	[32] SUSY searches using boosted techniques at 13 TeV in CMS	LIU, Miaoyuan
09:50	[38] Search for New Resonances Decaying to Boosted Higgs Signatures at CMS	CANDELISE, Vieri CANDELISE, Vieri CANDELISE, Vieri
10:15	[40] New resonances decaying to boosted Higgs signatures at ATLAS	POLLARD, Chris

Plenary: Session XI - SEARCHES AND TAGGING - RAI-H-041 (11:15 - 12:30)

-Conveners: **Jonathan Butterworth**

time	[id] title	presenter
11:15	[37] Search for New Resonances Decaying to Boosted Diboson Signatures at CMS	MAKSIMOVIC, Petar
11:40	[24] New resonances decaying to boosted diboson signatures at ATLAS	DE LORENZI, Francesco
12:05	[43] Resolved Top Tagger in CMS	SEVOVA, Stanislava

Plenary: Session XII - TAGGING - RAI-H-041 (14:00 - 15:45)

-Conveners: **Gavin Salam**

time	[id] title	presenter
14:00	[17] Jet Images with Deep Learning	NACHMAN, Ben KAGAN, Michael Aaron
14:25	[20] Deep Learning for Boosted Objects	GUEST, Daniel Hay
14:50	[12] New Multivariate Approach to Tagging Highly Boosted Top Quarks, Higgs Bosons, and W and Z Bosons	CONWAY, John
15:15	[9] A new tagger for hadronically decaying heavy particles at the LHC	LAPSIEN, Tobias

Plenary: Session XIII - PERFORMANCE - RAI-H-041 (16:15 - 17:57)

-Conveners: **Peter Loch**

time	[id] title	presenter
16:15	[26] Jet performance in Run 2 at CMS	RAUCO, Giorgia
16:40	[51] Jet performance in Run 2 at ATLAS	KUNIGO, Takuto
17:05	[31] Tau identification in boosted topologies in CMS	GALLONI, Camilla
17:30	[19] Y-splitter with grooming as an effective boosted object tagger	SAREM SCHUNK, Laís
17:55	[80] How to get to the Dinner	KASIECZKA, Gregor

Friday 22 July 2016

Plenary: Session XIV - SEARCHES AND TAGGING - RAI-H-041 (09:15 - 10:30)

-Conveners: Salvatore Rappoccio

time	[id] title	presenter
09:15	[71] Splitting function in pp and PbPb collisions at 5 TeV in CMS	VERWEIJ, Marta
09:40	[44] Massive vector-like quarks using boosted particle reconstructions ATLAS	FAROOQUE, Trisha
10:05	[35] Search for Massive Vector-like Quarks using Boosted Particle Reconstruction in CMS	HOGAN, Julie

Plenary: Closing - RAI-H-041 (11:00 - 14:00)

-Conveners: Gregor Kasieczka

time	[id] title	presenter
11:00	[65] Experimental summary	HARRIS, Philip Coleman
11:50	[66] Theory summary	MARZANI, Simone
12:40	[67] Open discussion	
13:00	[81] BOOST 2017	RAPPOCCIO, Salvatore
13:15	[70] Farewell	KASIECZKA, Gregor