

Snowmass Community Planning Meeting - Virtual

Wednesday, October 7, 2020

99. Advances in Event Generation and Detector Simulation (1:00 PM - 2:30 PM)

-Conveners: Stefan Hoeche; Vincent Pascuzzi; Krzysztof Genser; Fabio Maltoni; Jesse Thaler

time	[id] title	presenter
1:00 P	M 80] Advances in Event Generation and Detector Simulation: Motivation and Ground Rules	THALER, Jesse
1:05 P	M 81] Computational challenges for event generation in view of HL-LHC and beyond	MCFAYDEN, Joshua
1:10 P	M 82] State-of-the-art event generators via new techniques and technologies	BOTHMANN, Enrico
1:15 P	M 83] Event generators for NNLO/NLL and beyond	ZANDERIGHI, Giulia
1:20 P	M 84] Electroweak effects and/or multi-boson processes	PRESTEL, Stefan
1:25 P	M 85] Machine learning for detector simulations	PEDRO, Kevin
1:30 P	M 86] Systematic effects in detector simulations	YARBA, Julia
1:35 P	M 87] Physics opportunities in neutrino event generation	ROCCO, Noemi
1:40 P	M 88] Computational challenges for neutrino event generators	GARDINER, Steven
1:45 P	M 89] Leveraging new computational architectures and strategies	LEGGETT, Charles
1:50 P	M 90] Advances in Event Generation and Detector Simulation: Open Discussion	