



# Snowmass Community Planning Meeting - Virtual

## Wednesday, 7 October 2020

### 99. Advances in Event Generation and Detector Simulation (13:00 - 14:30)

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

time	[id] title	presenter
13:00	[280] Advances in Event Generation and Detector Simulation: Motivation and Ground Rules	THALER, Jesse
13:05	[281] Computational challenges for event generation in view of HL-LHC and beyond	MCFAYDEN, Joshua
13:10	[282] State-of-the-art event generators via new techniques and technologies	BOTHMANN, Enrico
13:15	[283] Event generators for NNLO/NLL and beyond	ZANDERIGHI, Giulia
13:20	[284] Electroweak effects and/or multi-boson processes	PRESTEL, Stefan
13:25	[285] Machine learning for detector simulations	PEDRO, Kevin
13:30	[286] Systematic effects in detector simulations	YARBA, Julia
13:35	[287] Physics opportunities in neutrino event generation	ROCCO, Noemi
13:40	[288] Computational challenges for neutrino event generators	GARDINER, Steven
13:45	[289] Leveraging new computational architectures and strategies	LEGGETT, Charles
13:50	[290] Advances in Event Generation and Detector Simulation: Open Discussion	