

Opportunities with Heavy Flavor at the EIC - a CFNS Ad hoc Workshop

Wednesday, 4 November 2020

HF@EIC: Session 1: Wednesday (10:00 - 11:40)

-Conveners: Christian Weiss

time	[id] title	presenter
10:00	[1] Overview of heavy flavor production in DIS	Prof. THORNE, Robert
10:40	[2] Lessons from HERA	Dr GEISER, Achim
11:10	[5] Charge current reactions and strangeness	Prof. SEKULA, Stephen

HF@EIC: Session 2: Wednesday (12:05 - 13:35)

-Conveners: Fredrick Olness

time	[id] title	presenter
12:05	[4] Heavy flavor and PDF analysis	Prof. NADOLSKY, Pavel
12:35	[8] Constraints on heavy flavor PDFs from LHC	Prof. ROJO, Juan
13:05	[33] Constraints on nuclear gluons	GUZEY, Vadim

HF@EIC: Session 3: Wednesday (13:40 - 16:00)

-Conveners: Christian Weiss

time	[id] title	presenter
13:40	[3] Flavor number schemes, evaluation and PDF extraction	Dr MOCH, Sven-Olaf
14:10	[7] Heavy-flavor production with high-precision: NNLO QCD lessons from top production at hadron colliders	Prof. MITOV, Alexander
14:40	[9] Discussion	

Thursday, 5 November 2020

HF@EIC: Thu (10:00 - 11:40)

-Conveners: Ivan Vitev

time	[id] title	presenter
10:00	[15] Overview of heavy flavor production in hadronic collisions - RHIC/LHC	EVDOKIMOV, Olga
10:40	[18] Fragmentation into heavy flavor	SCHIENBEIN, Ingo
11:10	[21] Gluon Sivers via HF	ASCHENAUER, Elke

HF@EIC: Thu (12:05 - 13:45)

-Conveners: Fredrick Olness

time	[id] title	presenter
12:05	[17] Overview of heavy flavor final-state interactions	GRECO, V.
12:45	[19] Heavy meson production at the EIC	LIU, Zelong
13:15	[22] Light flavor suppression in DIS and recent CLAS results	BROOKS, William

HF@EIC: Thu (14:00 - 16:20)

-Conveners: Ivan Vitev

time	[id] title	presenter
14:00	[20] Quarkonium production and interactions in matter	MAKRIS, Yiannis
14:30	[34] Overview of heavy quark exotics	Prof. SKWARNICKI, Tomasz
15:00	[23] Additional Discussions	

Friday, 6 November 2020

HF@EIC: Friday (10:00 - 11:40)

-Conveners: Xuan Li

time	[id] title	presenter
10:00	[24] Overview of collider silicon technology for Heavy Flavor programs	HABER, Carl
10:40	[30] sPHENIX heavy flavor program and a path to the EIC	MORRISON, David
11:10	[28] EIC generic detector requirements for HF studies	FURLETOVA, Yulia

HF@EIC: Friday (12:10 - 13:40)

-Conveners: Jin Huang

time	[id] title	presenter
12:10	[25] EIC Silicon tracking in the forward direction and physics studies	WONG, Cheuk-Ping
12:40	[26] EIC All silicon tracker and physics studies	DONG, Xin
13:10	[27] EIC Micro pattern gas detector and physics studies	POSIK, Matt

HF@EIC: Friday (13:50 - 16:10)

-Conveners: Xuan Li

time	[id] title	presenter
13:50	[31] Electroweak and BSM physics with the EIC	GAL, Ciprian
14:20	[35] Gluon helicity impact from HF tagged DIS	Dr ZHAO, Yuxiang
14:35	[32] Topical discussions: (1) Questions left of the day. (2) simulation tools for the EIC detector developments	PINKENBURG, Chris