



# Exotic heavy meson spectroscopy and structure with EIC

## Monday, 15 August 2022

### Exotic heavy mesons: Experimental programs (09:00 - 14:50)

time	[id] title	presenter
09:00	[1] Introduction and plan of workshop	ORGANIZERS
09:20	[5] COMPASS results and plans / Partial-wave analysis	GRUBE, Boris
09:50	[3] LHCb results and plans	MIKHASENKO, Mikhail
10:20	Break	
10:40	[2] CMS results and plans	POMPILI, Alexis
11:10	[4] BESIII results and plans	MEZZADRI, Giulio
11:40	[36] BELLEII results and plans	FULSOM, Bryan
12:10	[6] GlueX pentaquark / JLab 24 GeV plans	DOBBS, Sean
12:40	Break	
13:00	[7] Discussion: Prospects for exotic meson/baryon spectroscopy and role of EIC	ALL
14:00	[12] Quarkonium production at EIC	XIE, Keping
14:20	[37] Day_1_recording	LI, Wenliang

# Tuesday, 16 August 2022

## Exotic heavy mesons: Production mechanisms (09:00 - 14:30)

time	[id] title	presenter
09:00	[8] Introduction	HILLER BLIN, Astrid
09:10	[9] Semi-inclusive XYZ photoproduction	WINNEY, Daniel
09:40	[10] XYZ production estimates	GUO, Feng-Kun
10:10	[11] Double Regge mechanism at GlueX	MATHIEU, Vincent
10:40	Break	
11:00	[13] Hidden charm pentaquarks	SILVA-CASTRO, Jorge
11:20	[14] Photoproduction of exotics in ultraperipheral collisions	Dr SCHAEFER, Wolfgang
11:50	[15] X(3872) production	BRAATEN, Eric
12:20	Break	
12:40	[16] Discussion: Mechanisms of exotic heavy meson/baryon production	
14:00	[38] Day 2 Recording	

**Wednesday, 17 August 2022****Exotic heavy mesons: Structure (09:00 - 14:30)**

time	[id] title	presenter
09:00	[17] Introduction	WEISS, Christian
09:10	[18] Production and polarization of S-wave quarkonium in potential NRQCD	WANG, Xianpeng
09:40	[19] Nonrelativistic effective field theories for XYZ states	BRAMBILLA, Nora
10:10	[20] Exotic and conventional quarkonia in medium and implications for the EIC	DURHAM, Matt
10:40	Break	
11:00	[21] Bound states in 3-body scattering formalism	DAWID, Sebastian
11:20	[22] Coulomb gauge QCD on the lattice	SMITH, Wyatt
11:40	[23] Multiquark states	SANTOPINTO, Elena
12:10	[24] Unifying Diquark and Molecular Models for Exotics	LEBED, Richard
12:40	Break	
13:00	[25] Discussion: Structure of exotic hadrons	ALL
14:00	[39] Day 3 Recording	

# Thursday, 18 August 2022

## Exotic heavy mesons: EIC measurements (09:00 - 14:20)

time	[id] title	presenter
09:00	[26] Introduction	GLAZIER, Derek HUANG, Jin STEVENS, Justin
09:10	[27] EPIC detector overview	SURROW, Bernd
09:40	[28] EIC quarkonium production simulations	Prof. ZHA, wangmei
10:10	[29] EIC XYZ production simulations	GLAZIER, Derek
10:40	Break	
11:00	[30] Tracking with EIC detector	Dr LI, Xuan
11:20	[31] Exclusive physics with muons at EIC	BOER, Marie
11:40	[32] Far-forward ion detection at EIC	JENTSCH, Alexander
12:00	[33] Low-Q <sup>2</sup> tagger and photoproduction at EIC	Dr GARDNER, Simon
12:20	[34] AI/ML Heavy Flavor trigger at EIC	SHI, Zhaozhong
12:40	Break	
13:00	[35] Discussion	ALL
14:00	[40] Day 4 Recording	