

Heavy Flavor Workshop in High Energy Collisions

Monday, 30 October 2017 - Wednesday, 1 November 2017

**Lawrence Berkeley National Laboratory
Programme**

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Monday 30 October 2017

Opening Session: Opening Session - Building 50, Auditorium (09:00-10:30)

-Conveners: Nu Xu

| time | [id] title | presenter |
|-------|---|------------------|
| 09:00 | [1] Welcome and Announcement | JACAK, Barbara |
| 09:15 | [2] Overview of heavy flavor and quarkonia production in heavy-ion collisions | RAPP, Ralf |
| 10:00 | [3] Heavy flavor probes and lattice QCD | PETRECKZY, Peter |

Coffee Break - Building 50, Auditorium (10:30-11:00)

Recent results on open HF measurements - Building 50, Auditorium (11:00-12:30)

-Conveners: Spyridon Margetis

| time | [id] title | presenter |
|-------|--|-------------------------|
| 11:00 | [4] ALICE open heavy flavor measurements | GRELLI, Alessandro |
| 11:30 | [5] ATLAS open heavy flavor measurements | HU, Qipeng |
| 12:00 | [6] CMS open heavy flavor measurements | INNOCENTI, Gian Michele |

Lunch break (12:30-14:00)

Open HF theory - I - Building 50, Auditorium (14:00-15:30)

-Conveners: Xin-Nian Wang

| time | [id] title | presenter |
|-------|--|-----------------|
| 14:00 | [7] STAR open heavy flavor measurements | YE, Zhenyu |
| 14:30 | [8] Linear Boltzmann Transport calculations of heavy flavor production | CAO, Shanshan |
| 15:00 | [9] Heavy flavor transport in QGP | GRECO, Vincenzo |

Coffee break - Building 50, Auditorium (15:30-16:00)

Open HF theory - II - Building 50, Auditorium (16:00-17:30)

-Conveners: Peter Martin Jacobs

| time | [id] title | presenter |
|-------|--|------------------|
| 16:00 | [10] Heavy quark correlations | GOSSIAUX, Pol |
| 16:30 | [11] Effective theories of open heavy flavor and quarkonium production in heavy ion collisions | VITEV, Ivan |
| 17:00 | [12] AdS/CFT for heavy flavor production | HAMBROCK, Robert |

Workshop Dinner at Bacheesos Mediterranean Restaurant (18:00-20:00)

Tuesday 31 October 2017

Recent results on open HF/quarkonia - Building 50, Auditorium (09:00-10:30)

-Conveners: Zhangbu Xu

| time | [id] title | presenter |
|-------|--|----------------------|
| 09:00 | [13] PHENIX open heavy flavor and quarkonia measurements | LEUNG, Yue Hang |
| 09:30 | [14] ATLAS quarkonia measurements | BROOKS, William King |
| 10:00 | [15] STAR quarkonia measurements | MA, Rongrong |

Coffee break - Building 50, Auditorium (10:30-11:00)

Open HF theory - III - Building 50, Auditorium (11:00-12:30)

-Conveners: Zi-Wei Lin

| time | [id] title | presenter |
|-------|--|-----------------|
| 11:00 | [16] Bayesian extraction of the Heavy Quark Diffusion coefficient from RHIC and LHC Heavy-Ion Data | XU, Yingru |
| 11:30 | [17] PHSD model for heavy flavor production in heavy-ion collisions | SONG, Taesoo |
| 12:00 | [37] Heavy flavor correlations under thermal stochastic influence | KOZLOV, Gennady |

Lunch break - Building 50, Auditorium (12:30-14:00)

Quarkonia production - I - Building 50, Auditorium (14:00-16:00)

-Conveners: Hans Georg Ritter

| time | [id] title | presenter |
|-------|---|--------------------|
| 14:00 | [36] Quarkonia production in p+p collisions | KNIEHL, Bernd |
| 14:30 | [20] Polarization of quarkonium in p+p and h+A | CHEUNG, Vincent |
| 15:00 | [38] Heavy flavor and quarkonium production in pp and pA collisions using the small-x CGC framework | WATANABE, Kazuhiro |
| 15:30 | [21] Heavy flavor hadron spectroscopy | YIN, Hang |

Coffee break - Building 50, Auditorium (16:00-16:30)

Instrumentation - Building 50, Auditorium (16:30-18:00)

-Conveners: Jim Thomas

| time | [id] title | presenter |
|-------|---|------------------|
| 16:30 | [22] ALICE ITS upgrade | BEOLE, Stefania |
| 17:00 | [23] CBM MAPS upgrade and physics program | DEVEAUX, Michael |
| 17:30 | [24] sPHENIX MVTX upgrade | LIU, Ming Xiong |

Wednesday 01 November 2017

Recent quarkonia measurements - Building 50, Auditorium (09:00-10:30)

-Conveners: Grazyna Odyniec

| time | [id] title | presenter |
|-------|---|------------------------------|
| 09:00 | [25] ALICE quarkonia measurements | SCOMPARIN, Enrico |
| 09:30 | [26] LHCb heavy flavor and quarkonia measurements | ZHANG, Yanxi |
| 10:00 | [27] CMS quarkonia measurements | CALDERON DE LA BARCA, Manuel |

Coffee break - Building 50, Auditorium (10:30-11:00)

Quarkonia production - II - Building 50, Auditorium (11:00-12:30)

-Conveners: Flemming Videbaek

| time | [id] title | presenter |
|-------|--|----------------|
| 11:00 | [28] Quarkonium spectral functions on the lattice | OHNO, Hiroshi |
| 11:30 | [29] Cold nuclear matter effect on quarkonia production | VOGT, Ramona |
| 12:00 | [30] J/psi photoproduction and e^+e^- pair production in peripheral heavy ion collisions | KLEIN, Spencer |

Lunch break - Building 50, Auditorium (12:30-14:00)

Future programs - Building 50, Auditorium (14:00-15:30)

-Conveners: Feng Yuan

| time | [id] title | presenter |
|-------|--|------------------|
| 14:00 | [31] Heavy flavor in p+p and e+p collisions | KANG, Zhongbo |
| 14:30 | [32] Future heavy flavor program at RHIC and LHC | PLOSKON, Mateusz |
| 15:00 | [33] Future quarkonia program at RHIC and LHC | FRAWLEY, Anthony |

Coffee break - Building 50, Auditorium (15:30-16:00)

Workshop summary - Building 50, Auditorium (16:00-17:15)

-Conveners: Ernst Sichtermann

| time | [id] title | presenter |
|-------|---|------------------------|
| 16:00 | [34] Heavy quarkonium production: from JLab to an EIC | JOOSTEN, Sylvester |
| 16:30 | [35] Workshop Summary | BRAUN-MUNZINGER, Peter |