

TMD Collaboration Meeting at LBNL

LBNL, Berkeley, CA, September 16-19, 2019

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I) Successful Midterm Review – March 6, 2019, DC

II) To do list:

✧ **Completion of all milestones:**

- **Person in charge + plan/timeline to finish – Proposal/Report(s)**

✧ **Handbook of TMD Physics:**

- **Tom Mehen + Iain Stewart coordinating the effort**
- **Biweekly meeting so far, need a timeline to finish – tomorrow**

✧ **TMD Summer School in 2020:**

- **LANL, UCLA, BNL/SB, ... – Make a choice**
- **Organization Committee – this meeting + emails**

Summary – *presented at the Midterm Review*

- **We established an organized, coherent and interactive scientific collaboration/network**
 - Focusing on QCD and hadron physics, in particular, the physics of TMDs
 - Pulling together expertise in theory, phenomenology, and lattice QCD
 - Forming a unique multi-institution and three-pronged scientific effort
 - Enabling a paradigm shift in our approach taking on projects impossible by single PI
- **With DOE and leveraged support, we help to strengthen the TMD effort in the U.S.**
 - Two bridged faculty positions were created for QCD and hadron structure
 - 8 postdocs + 4 graduate and several undergraduate students work on TMD physics
- **We made major achievements impacting physics programs at JLab, RHIC, future EIC, ...**
 - Have achieved five of the total fourteen milestones, made major progress on the rest
 - Well on track to achieve all proposed milestones
- **We have done important service to the NP community by training young researchers**
 - Organized a very successful summer school, will organize another one next year
 - Providing theory support to experimental program
 - Producing the handbook of TMDs physics

Thank you!