**Draft Scientific Program**

(Multi-functiona Hall, Guiyuan Hotel)

**Monday, August 8**

Chair: Nu Xu

8:00 - 9:00 Registration

9:00 - 9:10 Welcome Enke Wang

9:10 - 9:50 Future plan and program at JLab Bob McKeown

9:50 -10:30 Overview and Future plan for RHIC Berndt Mueller

**10:30 – 11:00 Coffee Break**

Chair: Haiyan Gao

11:00 -11:40 Overview and Future of Nuclear Physics in US Tim Hallman

11:40 - 12:20 Z-factory and heavy-flavor hadron physics Chao-Hsi Chang

**12:20 – 14:00 Lunch Break**

Chair: Jen-Chieh Peng

14:00 - 14:40 BESIII Overview Shuangshi Fang

14:40 - 15:20 Hadron Physics at J-PARC Shin’ya Sawada

**15:20 – 15:50 Coffee Break**

Chair: Jian-ping Chen

15:50 - 16:30 Typical Frontier Researches at CIADS+HIAF Wenlong Zhan

16:30 – 17:10 JLab 12 GeV Upgrade Allison Lung

17:10 - 17:50 RHIC-Spin: Gluon Spin and W program Ernst Sichterman

17:50 - 18:00 Discussions

18:30 – 20:30 **Reception** (Guiyuan Guest House)

**Tuesday, August 9**

Chair: Bob McKeown

9:00-9:40 Angular distribution of Drell-Yan and W/Z production Jen-Chieh Peng

9:40-10:20 SoLID Overview Haiyan Gao

**10:20-10:50 Coffee Break**

Chair: Berndt Mueller

10:50-11:30 Future Parity Violation Program at JLab Jian-ping Chen

11:30-12:00 Physics and prospects of Collins asymmetry at BESIII Kai Zhu

12:00-12:20 Discussions

**12:20-14:00 Lunch Break**

Chair: Abhay Deshpande

14:00-14:30 Hadron structure from light-front holographic QCD Bo-qiang Ma

14:30-15:00 The ultimate meaning of gluon spin Xiang-Song Chen

15:00-15:30 Relating partonic information to lattice QCD calculation Yan-Qing Ma

**15:30-16:00 Coffee Break**

Chair: Qiang Zhao

16:00-16:30 proton spin decomposition from lattice QCD Yibo Yang

16:30-17:00 Progress on the lattice QCD calculation of the rare kaon decays Xu Feng

17:00-17:30 Understanding Higher Bottomonia in Unquenched Quark Model Naeem Anwar

17:30-18:00 Discussions

**20:00-22:00** **SoLID Collaboration / EIC@China Discussions** (room TBD)

**Wednesday, August 10**

Chair: Xiang-song Chen

9:00-9:40 Dark Matter Particle Detection in Space Jin Chang

9:40-10:20 Gravitational wave detection, China "Tian Qin" Project Hsien-Chi Yeh

**10:20-10:50 Coffee Break**

Chair: Allison Lung

10:50-11:30 Jiangmen Underground Neutrino Observatory Xiang Zhou

11:30-12:00 A Direct Measurement of the Proton’s Weak Charge Jie Pan

12:00-12:20 Discussions

**12:20-14:00 Lunch Break**

Chair: Ernst Sichtermann

14:00-14:40 Physics program with an EIC in US Abhay Deshpande

14:40-15:20 EIC Plan at HIAF Xurong Chen

15:20-15:40 GEM detector for EIC Matt Posik

**15:40-16:10 Coffee Break**

Chair: Alexandre Somov

16:10-16:40 Proton Charge Radius Puzzle and PRad experiment Ashot Gasparian

16:40-17:10 Probes for Fundamental Symmetries via Light meson decays Liping Gan

17:10-17:40 Experimental results on hadronic vacuum polarization and

hadronic light-by-light contributions to the muon's (g-2) Yuping Guo

17:40-18:00 Discussions

18:30 – 20:30 **Workshop Dinner** (TaiZi Restaurant, 太子酒店)

**Thursday, August 11**

Chair: Liping Gan

9:00-9:40 Hadrons -- conventional and unconventional characters

of strong QCD Qiang Zhao

9:40-10:20 Hall D/GlueX physics program Alexander Somov

**10:20-10:50 Coffee Break**

Chair: Zhenyu Zhang

10:50-11:30 XYZ states at BESIII Xinping Xu

11:30-12:10 Pentaquark from LHCb Yuanning Gao

12:10-12:20 Discussions

**12:20-14:00 Lunch Break**

Chair: Ashot Gasparian

14:00-14:20 CEPC vertex detector development Xiangming Sun

14:20-14:40 STAR iTPC upgrade Qinghua Xu

14:40-15:00 Progress on ECal R&D Jianbin Jiao

15:00-15:20 R&D on Shashlyk ECAL for SOLID Chendi Shen

15:20-15:40 Time performance of narrow gap MRPC tested with

pulse sampling digitizer Yi Wang

**15:40-16:10 Coffee Break**

Chair: Bo-Qiang Ma

16:10-16:30 Progress on GEM R&D in USTC Jianbei Liu

16:30-16:50 Progress on GEM and MicroMegas R&D in CIAE Xiaomei Li

16:50-17:10 The progress on GEM detector R&D at IMP Yapeng Zhang

17:10-17:30 Progress on GEM R&D in Lanzhou University Yi Zhang

17:30-17:50 Discussions

17:50-18:00 Concluding Remarks Jian-ping Chen

**18:00 End of the Workshop**

Time Table

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|  | Monday  August 8 | Tuesday  August 9 | Wednesday  August 10 | Thursday  August 11 |
| 9:00 – 10:30 | Lab Review | Spin: Exp | Cosmology | Spectroscopy |
| 10:30 – 11:00 | ***Coffee/Tea Break*** | | | |
| 11:00 – 12:30 | Overview | Spin: Exp | Neutrino/Parity | Spectroscopy |
| 12:30 – 14:00 | Lunch Break | | | |
| 14:00 – 15:30 | Lab Review | Spin Theory | EIC | Detector R&D |
| 15:30 – 16:00 | Coffee/Tea Break | | | |
| 16:00 – 18:00 | Overview | Spin Theory | Symmetry | Detector R&D |
| 18:30 -21:00 | ***Reception*** | ***Collaboration Discussions*** | ***Workshop Dinner*** |  |