

# **QM2019 Plenary Speaker Election**

**Monday 10 June 2019 - Wednesday 10 July 2019**

## **Topics**

**01. Probing QGP with flow: an experimental overview (including system size and energy dependence)**

**02. Study QGP with flow: Theory : ( theory development in hydro, approach to equilibration, determining initial st**

**03. An experimenter's assessment of correlations and flow in small systems**

**04. Physics at high baryon density: Experiment**

**05. Search for CEP and dynamics of critical fluctuations: (system size and energy dependence of fluctuations and correlations)**

**06. Chirality, CME, magnetic field and spin polarization: an experimental review**

**07. Chirality, CME, magnetic field and spin polarization: a theoretical review**

**08. Quenching of heavy and light flavor jets: experimental overview: (path length dependence,**

**high pt vn)**

**09. Jet substructure and parton splitting: an experimental overview (coherence & decoherence in gluon emission)**

**10. Jet quenching and medium response**

**11. Parton propagation and energy loss: new theoretical progress**

**12. Road map to extracting medium properties**

**13. Quarkonium: experiments**

**14. Heavy Quark production and energy loss: experiments**

**15. Heavy Quarks and quarkonium: Theory**

**16. Electromagnetic and weak probes: experiments**

**17. Electromagnetic and weak probes: theory**

**18. New development in LQCD (Equilibrium physics & phase diagram)**

**19. EOS at high baryon density and neutron star mergers**

**20. Machine Learning and heavy ion physics**

**21. UPC**

**22. Exotic and light nucleus production in heavy-ion collision**

**23. How EIC can help us to understand heavy-ion collision: theory**

**24. Future facilities and experiments in the High temperature frontier**

**25. Future facilities and experiments in the high density frontier**

**26. Overview**

**27. Summary & Outlook**

