

CFNS workshop: High Luminosity EIC

Ciprian Gal



High Luminosity EIC

- Attempts to answer the following questions:
 - Can 10^{35} instantaneous luminosity be delivered at the the Electron Ion Collider facility?
 - What precision can be reached for Beyond the Standard Model physics studies with this increased luminosity (factor of 10)?
 - What other physics opportunities would be opened up to such a machine?
- Organizing committee:
 - Mei Bai (SLAC), Martha Constantinou (Temple U), Abhay Deshpande (CFNS/SBU/BNL), Ciprian Gal (MS State), Haiyan Gao (BNL), Pavel Nadolsky (SMU), Alexey Prokudin (Penn State), Rosi Reed (Lehigh U), Xiaochao Zheng (UVA)
- Date: Summer 2022 (hoping for an in-person workshop at SBU)
- Collaborators warmly welcomed!