



**XXXVI International Workshop on High Energy Physics**

***Strong Interactions:  
Experiment, Theory, Phenomenology***

**HEP&FT discussion topics: 23 July 2024**

**Victor T. Kim**

**Petersburg Nuclear Physics Institute NRC KI, Gatchina**



# HEP&FT discussion topics: 23 July 2024

- **SM: effective field theory**
- **Collective effects of QCD:**
  - **“dead cone” at heavy quark fragmentation**  
Yu.L. Dokshitzer, V.A. Khoze, S.I. Troyan 1991
  - **Bose-Einstein condensate in multiple production**
- **Gravitational form factors**
- **Tetra-quarks and pentaquarks in heavy sector**
- **Fluctons in nuclei**
- **Quark-Gluon String Model will be discussed in July 25**