



Contribution ID: 287

Type: **Oral Presentation**

## Lifshitz Regime and the phase diagram of QCD

*Thursday, 22 August 2019 15:30 (30 minutes)*

We discuss dense cool QCD where a region with spatially inhomogeneous condensates may emerge. In that case, QCD phase diagram may exhibit a Lifshitz regime, which can appear either instead of, or in addition to Critical End Point. We study the Lifshitz regime using a combination of large- $N$  expansion and numerical lattice simulations.

**Primary authors:** PISARSKI, Robert (Brookhaven National Lab.); RENNECKE, Fabian; SKOKOV, Vladimir (Brookhaven national laboratory); Prof. TSVELIK, Alexei (Brookhaven National Laboratory); VALGUSHEV, Semeon (Brookhaven National Laboratory)

**Presenter:** VALGUSHEV, Semeon (Brookhaven National Laboratory)

**Session Classification:** Workshop on QCD