

Joint Annual Meeting of ÖPG and SPS 2021



Contribution ID: 412

Type: **Talk**

☒321☒ Large charge, semiclassics and superfluids

Wednesday, September 1, 2021 2:00 PM (30 minutes)

In quantum field theory, states with large quantum numbers under the conserved charges of the theory are generically amenable to a semiclassical description. This observation underlies some recent progress in the study of the spectrum of operators with large internal charge in strongly coupled conformal field theories. I will review these results and show how similar ideas can be used to overcome the breakdown of perturbation theory for multi-legged amplitudes in the epsilon expansion.

Primary author: Dr CUOMO, Gabriel Francisco (Stony Brook University)

Presenter: Dr CUOMO, Gabriel Francisco (Stony Brook University)

Session Classification: Nuclear, Particle- & Astrophysics

Track Classification: Nuclear, Particle- and Astrophysics (FAKT - TASK)