



Contribution ID: 101 Type: 5th week (Formal developments and other frontiers in lattice QCD)

## Bridging two semiclassical confinement mechanisms: monopole and center vortex

*Tuesday, November 12, 2024 11:30 AM (1 hour)*

The two promising scenarios for quark confinement are monopole and center-vortex mechanisms. These mechanisms are realized in the weakly coupled semiclassical frameworks: monopole semiclassics on  $\mathbb{R}^3 \times S^1$  and center-vortex semiclassics on  $\mathbb{R}^2 \times T^2$ . In this presentation, we will bridge two semiclassical descriptions, illustrating how the BPS and KK monopoles evolve into center vortices.

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**Session Classification:** Seminar (5th week)