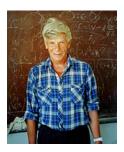
## VII International Conference "Models in Quantum Field Theory" (MQFT-2022)



Contribution ID: 59 Type: Session Talk

## Local parity violation in the dense hadronic medium

Monday, 10 October 2022 16:45 (25 minutes)

We discuss the possibility that bubbles of a parity breaking hadronic medium may emerge in the central heavy ion collisions. After reviewing the methods to describe the mesons on a background with chiral imbalance such as effective field theories and holographic techniques, we discuss the influence of the boundaries on the vector meson propagation. We argue for the existence of the currents localized in the vicinity of the transition region between regions with different axial chemical potential values.

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Session Classification: Section B

Track Classification: Section B: Quantum field theory methods in elementary particle physics