

XXV International Baldin Seminar on High Energy Physics Problems
"Relativistic Nuclear Physics and Quantum Chromodynamics"



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Relativistic Nuclear Physics & Quantum Chromodynamics
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Polarization, anomaly and entanglement in heavy-ion collisions

The axial anomaly is shown to manifest the particular case of EPR effect and entanglement, combining in that way two major contributions of J.S. Bell to theoretical physics. The violation of causality in these effects is stressed. The relevance of to polarization phenomena in HIC is discussed and compared to other their sources.

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