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Quantized fermions in semi-classical Yang-Mills evolution

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The “standard model” of relativistic heavy-ion collisions describes the early stage of an hadronic collision by the Color Glass Condensate. The studies of anisotropically expanding plasmas show that non-Abelian plasmas isotropize fast enough thanks to the Chromo-Weibel instability. Recent work involves the novel incorporation of quantized fermions in the semi-classical Yang-Mills evolution.

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