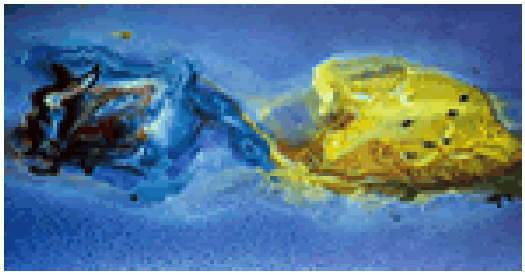

Contribution ID: **332** Type: **Poster**

On the quark-gluon vertex at nonvanishing temperature

Friday, 3 August 2018 18:00 (1 minute)

The phase structure of QCD can be explored with functional methods.
The challenge is to devise and solve an appropriate truncation of the corresponding equations. Here the application to theories similar to QCD but without the sign problem of lattice methods (QCD-like theories) becomes useful, as truncations can be tested by comparison to corresponding lattice results also at nonvanishing density. The universality of a certain class of truncations is shown for three dierent theories including QCD. Going one step further, results for the quark-gluon vertex, the main model input of most contemporary studies, will be shown.

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Session Classification: Poster

Track Classification: D: Deconfinement