

Colored bound states and dynamical mass generation

Friday, 16 March 2018 12:30 (30 minutes)

The dynamics leading to the formation of coloured composite massless excitations in Yang-Mills theory is interlocked with the one leading to the generation of a gluon mass scale in the infrared. I will discuss how the Bethe-Salpeter equation leading to the former structures is coupled to the Schwinger-Dyson equation leading to the latter phenomenon, paying particular attention to the self-consistency of the entire picture.

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