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QCD propagators and vertices from lattice QCD (in memory of Michael Müller-Preussker)

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We review lattice calculations of the elementary Greens functions of QCD with a special emphasis on the Landau gauge. These lattice results have been of interest to continuum approaches to QCD over the past 20 years. They are used as reference for Dyson-Schwinger- and functional renormalization group equation calculations as well as for hadronic bound state equations. The lattice provides low-energy data for propagators and three-point vertices in Landau gauge at zero and finite temperature even including dynamical fermions. Michael Mueller-Preussker's important contributions to this field will be remembered in this talk and put into the perspective of his other research interests. We will also report on new results for the triple-gluon and the quark-gluon vertex on which Michael collaborated with us.

Summary

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