

Three-gluon vertex: planar degeneracy and emergence of gluon mass

We shall discuss novel results for the three-gluon vertex, based on the analysis of recent, extensive lattice quenched simulations, featuring a singular kinematical property of its dominant form factor that we denominated “planar degeneracy”. On the ground of this property, one can apply to three-gluon vertex to unveil a distinctive signature of the mass generation mechanism in the QCD gauge sector.

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