

From BRST to light-cone description of higher spin gauge fields*

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ABSTRACT

In this short note we show, at the level of action principles, how the light-cone action of higher spin gauge fields can easily be obtained from the BRST formulation through the elimination of quartets. We analyze how the algebra of cohomology classes is affected by such a reduction. By applying the reduction to the Poincaré generators, we give an alternative way of analyzing the physical spectrum of the Fronsdal type actions, with or without trace condition.

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