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QCD-constrained dynamical spin effects in the pion.

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In a recent paper, we have shown that dynamical spin effects are important to describe pion observables within holographic light-front QCD. The relative importance of such effects was freely chosen to fit the data. We now show that these dynamical spin effects can actually be theoretically constrained if we dare to extrapolate the use of an exact QCD relation away from the chiral limit. Despite this new theoretical constraint, we find that the dynamical spin effects still bring a significant improvement to describe the pion observables.

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