

## Phenomenology 2023 Symposium



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# 1+1D Hadrons Minimize their Biparton Renyi Free Energy

*Monday 8 May 2023 14:30 (15 minutes)*

I put forward a novel variation method for calculating the mass and PDF of hadrons in 1+1D models. The template functions in our method minimize a Free Energy functional composed of free partons kinetic energy and Renyi entropy of all pairs of partons. Our results suggest hadrons in these models minimize this Free Energy functional. I will comment on extending our calculation to confining theories in higher dimensions and calculating the mass and PDF of their hadrons.

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