

**Online seminar: Classicalization and unitarization of wee partons in QCD and gravity: the CGC-Black Hole correspondence**

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**Classicalization and unitarization of wee partons in QCD and gravity: the CGC-Black Hole correspondence**

*Thursday, 4 March 2021 16:00 (1 hour)*

The seminal work of Lipatov pointed to remarkable similarities between QCD and Gravity amplitudes in the Regge limit. We argue that this correspondence likely extends further to saturated parton states in the two theories and note that key features of these states appear to be universal at maximal occupancy. We discuss some of the intriguing consequences of this universality and the potential insight it offers into the dynamics of the two theories at high energies.

**Presenter:** Prof. VENUGOPALAN, Raju (Brookhaven National Laboratory & Stony Brook University)