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What is the Quark-Gluon Plasma made of?

Tuesday 24 June 2025 14:30 (40 minutes)

My lecture will first survey our current theoretical understanding of the internal structure of the quark-gluon plasma as it is created in relativistic heavy-ion collisions based on insights from thermal perturbation theory, lattice gauge theory, and holography. I will then discuss how this structure can be experimentally probed and review what data from RHIC and LHC have told us about “what the QGP is made of”. The talk will conclude with an outlook on future directions of investigation.

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