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The Emergence of General Relativity from Loop Quantum Gravity CHUN-YEN LIN, University of California, Davis — We show that General Relativity emerges from Loop Quantum Gravity in the relative prescription of gravity against the matter coordinates. The local Dirac observables and coherent states are constructed to explicitly evaluate the dynamics. The dynamics in large scale confirms with General Relativity up to the corrections that appear nearby singularities.

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