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Four-dimensional Quantum Gravity with a Cosmological Constant from Three-dimensional Holomorphic Blocks HAL HAGGARD, Bard College, MUXIN HAN, Florida Atlantic University , WOJCIECH KAMINSKI, Instytut Fizyki Teoretycznej, Uniwersytet Warszawski, ALDO RIELLO, Perimeter Institute for Theoretical Physics — Prominent approaches to quantum gravity struggle when it comes to incorporating a positive cosmological constant in their models. Using quantization of a complex SL(2,C) Chern-Simons theory we include a cosmological constant, of either sign, into a model of quantum gravity.

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