

Abstract Submitted  
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**Loop quantum cosmology in the Schwarzschild interior** DANIEL  
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Massachusetts, Dartmouth — In this work, we solve the discrete Hamiltonian con-  
straint for the interior of the Schwarzschild black hole, recently derived by Ashtekar  
and Bojowald. Both analytic results and numerical simulations are presented here,  
characterizing the range of wave function solutions and putting a limitation on the  
quantum ambiguities appearing in the problem.

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