

# QUANTUM ASPECTS OF ACCRETION ONTO BLACK HOLES IN THE EARLY UNIVERSE\*

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**Abstract.** It is argued that for black holes of mass less than roughly  $10^{17}$  g formed in the early Universe, the accretion process must be calculated using quantum mechanics. It is also argued that primordial black holes must be more massive than  $10^{17}$  g if they are to possess charge.

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