

Abstract Submitted  
for the APR08 Meeting of  
The American Physical Society

**On the dyadotorus** CHRISTIAN CHERUBINI, ANDREA GERALICO,  
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— The “dyadotorus” is defined as the region around a Kerr-Newman black hole  
where pair creation by vacuum polarization occurs. This concept extends to the  
case of stationary geometries the concept of “dyadosphere” already introduced in  
the static case in the Reissner-Nordstrom geometry. The energetics of the dyadotorii,  
their topology and embedding diagrams are compared and contrasted to the ones of  
the black hole.

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Date submitted: 16 Jan 2008

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