

## ASTROPHYSICS SEMINAR

Thursday, 28 August 2008 at 11:00

# Quantized black holes, their spectrum and radiation

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**Abstract.** The maximum entropy of quantized horizon is demonstrated to be proportional in the classical limit to its area. The general structure of the horizon spectrum is derived. The discrete spectrum of thermal radiation of a black hole fits the Wien profile. The natural widths of the lines are much smaller than the distances between them. The total intensity of thermal radiation is estimated.

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### Additional Information

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The seminars are given in the ISDC "Pavillon" building  
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