



**ΚΟΙΝΟ ΣΕΜΙΝΑΡΙΟ ΚΕΝΤΡΟΥ ΚΒΑΝΤΙΚΗΣ ΠΟΛΥΠΛΟΚΟΤΗΤΑΣ ΚΑΙ
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JOINT CCQCN -CCTP SEMINAR**

Tuesday, 10 March 2015

14:00-15:00

2nd Floor Seminar Room of the physics department

The information paradox in AdS/CFT

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Abstract

By refining recent versions of the information paradox in AdS/CFT, we show how the CFT successfully describe local physics behind the horizon, not only for single-sided black holes but even in the eternal black hole. The solution requires operators to be state-dependence. In this setup the infalling observer does not observe any violations of quantum mechanics or firewall. We comment on how to resolve a large class of potential ambiguities in the state-dependence construction.

