



Séminaire du Laboratoire de l'Accélérateur Linéaire

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Mardi 29 Mars 2016 à 11 :00

How much does a collider cost - and is it worth it ? A cost-benefit analysis of the LHC

I will present the result of a cost-benefit analysis (CBA) of the LHC, which has been performed as the first test case of a new methodology for the CBA of research infrastructures. After briefly summarizing the goals and limitations of CBA, I will explain how our methodology deals in a quantitative way with the traditional objection that CBA is impossible for fundamental research because its benefits are unpredictable. I will describe and discuss a classification of all measurable benefits, and show how it works in the particular case of the LHC. Our conclusion is that there is more than 90 % probability that conservatively estimated benefits of the LHC exceed its costs, not including the unpredictable consequences of scientific discoveries.

Salle 101 du LAL - Bât. 200, Orsay

Thé et café seront servis 5 mn avant le séminaire



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