

Theory Lunch Seminar

Strong correlations and topology: the two pillars of modern solid state physics

Solid state physics is often considered to be a solved problem. As long as a crystal is ordered, isn't the issue just to derive consequences of Bloch theorem? The answer is very clearly no, and for two fundamental reasons: strong correlations, and topology. After a general introduction, I will discuss a few problems of current interest in the group in which these aspects combine to yield new quantum phenomena such as the emergence of Majorana fermions or the stabilization of chiral quantum liquids.



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Wednesday November 1st 2017 at 12:45 pm

Room BSP 727 (Cubotron), EPFL