



MAFIA - the seminar you can't refuse

Dirac operators on surfaces as large mass limits of Euclidean Dirac operator

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Abstract: In this talk, I will discuss a new link we recently made between Dirac operators in bounded Euclidean domains and Dirac operators on manifolds. Namely, we will see that the eigenvalues of the so-called intrinsic Dirac operator on the boundary of a Euclidean domain can be obtained as the limits of Euclidean Dirac operators, either in the domain with a MIT-bag type boundary condition or in the whole space, with a suitable chosen zero order mass term.