



CONDENSED MATTER THEORY SEMINAR

Majorana modes in magnetic metals proximity-coupled to superconductors

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Abstract:

In this talk I will provide a short review of existing theoretical and experimental results on realization of non-Abelian Majorana zero modes in the spectrum of magnetic systems, proximitized to a superconductor, and explain, why I suggest to concentrate on the use of YBaCuFeO_5 grown at PSI as a promising system for such applications, aiming to find a two dimensional system with intrinsic Majorana excitations.