



Universidad del País Vasco
Euskal Herriko Unibertsitatea
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Seminarios de Física Teórica Fisika Teorikoa: Hitzaldiak

3-forms, membranes and 4d Supergravity

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Abstract In this talk, based on recent arXiv:1803.01405[hep-th], we will describe the most general coupling of supermembrane to 3-form matter and supergravity. This allows us to consider the actions for interacting systems of supermembrane, double 3-form supergravity and double 3-form matter, to study the back-reaction of the membrane resulting in possibility to have different vacua on different sides of the membrane and in existence of domain wall solutions interpolating between different vacua. These generalize the class of supersymmetric domain walls in $\mathcal{N} = 1$ SUGRA studied before.

Prof. A. Chamorro Seminar Room, Dept. of Theoretical Physics, Corridor 4.-2.

THURSDAY, April 19th, 2018

Time:11:40 am