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M2- Brane on a Flux Background

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I will present recent results about supermembrane theory formulated in the presence of constant three form subject to a Target space flux condition. I will show the discreteness of its spectrum that makes it to be well-defined at quantum level. I will discuss about the connection between Target space fluxes and worldvolume fluxes. I will also comment about the relation with matrix models on non- commutative tori.

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