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N=2 flavored SYM Theory on S^3 in an external magnetic field.

I focus on a recently studied quantum phase transition in flavored N=2 SYM on S^3. I describe the general set up of our holographic study. I briefly review the nature of the phase transition and discuss the meson spectrum of the theory with emphasis on structure of the spectrum at vanishing bare mass. I discuss the cases of both 1+3 and 1+2 dimensional fundamental fields. I discuss the effect of an external magnetic field on the phase transition. I describe the phase diagram of the theory and analyze the meson spectrum.

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