

# Existence of normalized solution for a class of elliptic problem in bounded domains

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In this talk, we will show some results involving the existence of normalized solution for a class of elliptic problem in bounded domains. In order to get our results, we introduce a NEW TRICK to establish the existence of normalized solution for the L<sup>2</sup>-supercritical growth. Our approach permits to work in dimension 2 with a nonlinearity having an exponential critical growth, which is an important novelty for this class of problem. This is a joint work with Liejun Shen.