Almost sure convergence for Angelesco ensembles

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We develop certain aspects of potential theory (e.g. Fekete points)in the context of Angelesco ensembles. Then we show that a random point in an Angelesco ensemble converges (weak-∗) almost surely to the equilibrium measure-answering(positively) a question of Kuijlaars. We will also discuss a large deviation principle for Angelesco ensembles.