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(Pluri-)potential energy and large deviation

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We discuss a notion of a (pluri-)potential energy of a compactly supported measure in $\mathbf{C}^n$. We also state and prove a large deviation principle for a canonical sequence of probability measures on a compact set $K \subset \mathbf{C}^n$. We give a proof in the case $n = 1$ that uses only standard notions and techniques of weighted potential theory.