## $\begin{array}{c} \textbf{Non-perturbative topological strings} \\ \textbf{Marcos Mariño} \end{array}$

I present a concrete non-perturbative proposal for topological string theory on general toric Calabi-Yau threefolds, based on a large N duality with a quantum mechanical model in one dimension. I also present evidence that, in this proposal, the non-perturbative free energy of the topological string can be written as the Borel-Ecalle resummation of a trans-series. The non-perturbative effects appearing in this trans-series can be obtained by extending the holomorphic anomaly equation to the non-perturbative sector.