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Universal Scaling Properties of N-Body States in Low Dimensions JEFF MAKI, University of British Columbia, MOHAMMADREZA MOHAMMADI, University of Toronto, FEI ZHOU, University of British Columbia — In this work, the scaling properties of N attractive bosons are examined using the functional integral formalism. The energy levels for the low lying and high lying excitations are found. Using the same scaling ansatz, it is possible to obtain quite robust results on the maximum number of states and the lifetime of said states.

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