



CU PHYSICS DEPARTMENT COLLOQUIUM
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“Bacteria response to temperature and oxygen”

Sensing changes in the environment is a fundamental property of living organisms. It allows them to respond and adapt to their new surroundings. In the case of bacteria the response can take different forms, such as, modifying their gene-expression profile or altering their swimming pattern. We study the response of E-coli bacteria to a spatial variation of temperature. We examine the temporal behavior of the culture under the temperature gradient and how it is affected by the bacterial density. The response to an oxygen gradient is also presented.



Hosted by Boris Altshuler

