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Title: **One dimensional free fermions at finite temperature and the MNS  
matrix model**  
Abstract: In this talk we discuss the local statistics of free fermions  
on the real line, in a quadratic potential well, and at finite  
temperature. This free fermion model is equivalent to a matrix model  
defined by Moshe, Neuberger and Shapiro, and our result also gives the  
local statistics of eigenvalues of the MNS matrix model. This is joint  
work with Karl Liechty.