Contribution ID: **7**   Type: **not specified**

Gauged matrix models: the Canonical and Microcanonical views

Wednesday, December 3, 2025 10:00 AM (1 hour)

I will discuss recent results on matrix models with a focus on the approach to the large N limit. The discussion will include a description of the Hagedorn transition (confining/deconfining transition) and its Hawking-Page dual. It will be argued that in the low temperature regime the canonical and microcanonical descriptions are not equivalent. We will see that negative specific heat can arise naturally in the microcanonical context.

Presenter: O'CONNOR, Denjoe

Session Classification: Session