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Marcelo Laca* (laca@math.uvic.ca), Department of Mathematics and Statistics, University of Victoria, Victoria, BC, and **Nadia S Larsen** and **Sergey Neshveyev**. *Phase transitions for Bost Connes systems for number fields.*

We study the phase transition of KMS states for C*-dynamical systems generalizing the Bost Connes system to general number fields, following work of Connes, Marcolli and Ramachandran, and of Ha and Paugam. (Received August 04, 2007)