

- **25 Jan 2013, University of Vienna:** (Talks will take place at the [Erwin Schrödinger Institute](#).)

An afternoon of jolly good talks about this and that, plus an even better evening!

- **14:00 - 15:00:** [Peter Balint](#) (Budapest): **Limit laws and convergence of moments for dispersing billiards with cusps.**

Abstract:

- Dispersing billiards with cusps are characterized by long series of
- consecutive reflections in the vicinity of the cusp, which slows down the
- rate of mixing, and results in non-standard limit laws. Furthermore, the
- second moments of the appropriately normalized Birkhoff sums converge to a
- value that is twice the second moment of the limit distribution. Similar
- phenomena arise in other systems with intermittency. This is joint work with N. Chernov and D. Dolgopyat.

- **15:15 - 16:15:** [Carlangelo Liverani](#) (Rome, Tor Vergata): **Statistical properties of maps close to a trivial extension.**

Abstract:

- Averaging theory provides informations on the behaviour of systems
- with fast-slow variables in an appropriate scaling limit. Yet, it does
- not provide any information on the invariant measure or the
- statistical properties for the system before the limit (this requires
- a control of the dynamics on a much longer time scale). The scope of
- this talk is to investigate the possibility to study such problem in a very simple system. (joint work with J. De Simoi)

- **16:45 - 17:45:** [Gerhard Keller](#) (Erlangen): **Stability index for chaotically driven concave maps.**

Preview: <http://arxiv.org/abs/1209.2287>

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