1167-82-219 **Christoph Fischbacher*** (`fischbac@uci.edu`). *Entanglement entropy in the Heisenberg XXZ model.*

In this talk, I will give an overview over recent results on the entanglement entropy for the one-dimensional Heisenberg XXZ model. For the spin-1/2 case, Beaud and Warzel showed that generic low-energy states satisfy a logarithmically corrected area law. I will talk about the extension of this result to higher-energy states for the spin-1/2 case (joint work with H. Abdul-Rahman and G. Stolz) but also to the case of higher local spins (joint work with O. Ogunkoya). (Received March 08, 2021)