

KIDS TALK

“Parallel parametric amplification of spin waves in microstructures”

Speaker: Thomas Brächer, AG Hillebrands

Abstract: In my talk I will introduce the technique of parallel parametric amplification as a means of spin-wave amplification in microstructured magnonic waveguides. I will give an overview over the potential ways to generate spin waves in microstructures by the amplification of thermal spin waves. Furthermore, I will show how parametric amplification can be used to amplify externally excited, propagating spin waves to enhance their propagation distance or to convert the spin-wave phase into the spin-wave amplitude.

When: Friday, July 18th 2014, **10:00 am**

Where: Room 46-387/388

All undergraduate and graduate students as well as postdocs are welcome and encouraged to join our discussion!

For subscription to kids talk mailing list, questions, comments or suggestions: vlauer@rhrk.uni-kl.de

***** COFFEE, TEA AND COOKIES WILL BE SERVED *****

