

## Modern Topics in Condensed Matter Physics – Summer Semester, 2019

- participation at all talks mandatory to obtain a certificate (Schein)!
- 25 minutes per talk (sharp!), practice your talk to make sure you'll finish in time
- slides (power point etc.) preferred, blackboard not recommended due to short time of talks
- 3 talks per seminar timeslot
- prerequisites: basics of solid state physics, 2<sup>nd</sup> quantization (!)
- start at 27.5.
- supervisors: Sebastian Huber, Fabian Kugler, Dima Pimenov, Matthias Punk, Jan von Delft.

<b>27.5.</b>	Jacob Brenner jakobmbrenner@gmail.com	SF-MI	JvD	<i>Nature</i> 415, 39–44 (2002)
	Michael Reichert mmichaelreichert@gmail.com	SF-MI collapse revival	JvD	<i>Nature</i> 419, 51–54 (2002)
<b>03.6.</b>	Viktoria Kainz viktoriam.kainz98@gmail.com	QHE	FK	Phys. Rev. B 25, 2185 (1982)
	Anxian Ge anxiang.ge@yahoo.de	Haldane model	DP	Phys. Rev. Lett. 61, 2015 (1988)
	Jonas Biechteler jonas.biechteler@campus.lmu.de	TKNN	FK	Phys. Rev. Lett. 49, 405 (1982)
<b>10.6.</b>	(Pentacost – holiday)			
<b>17.6.</b>	JvD is travelling			

<b>24.6.</b>	Florian Stabler staebler.flo@gmail.com	Zak phase measurements	FK	Nature Physics 9, 795-800, 2013
	Christian Helle christian.helle@campus.lmu.de	measuring Chern	SH	Nature Physics 11, 162– 166, 2015
	Changkai Zhang	TW bilayer graphene	JvD	
<b>01.7.</b>	Miha Papic mihapapic1@gmail.com	TIM	MP	Science 327, 177 (2010)
	Thadeus Alcock t.alcock@physik.uni-muenchen.de	AF correl	MP	Nature 545, 462-466 (2017)
	Jernej Finzgar jernej.rudi.finzgar@gmail.com	spin liquids	MP	PRB 74, 174423 (2006)
<b>08.7.</b>	JvD is travelling			
<b>15.7.</b>	Nicolas Sadoune nicolas.sadoune@physik.uni-muenchen.de	RK dimer model	SH	Phys. Rev. Lett. 61, 2376 (1988)
	Julius Dicke julius.dicke@physik.uni-muenchen.de	Fermi polaron exp	DP	PRL, 102, 230402 (2009)
	Tabea Gleiter T.Gleiter@physik.uni-muenchen.de	Toric Code	SH	arXiv:0904.2771 (Sec. 3)