## Condensed Matter Physics Seminar

## Renormalization theory for the Fulde-Ferrell-Larkin-Ovchinnikov states at T>0

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## Sep 27<sup>th</sup> Thur., 14:40 - 15:40, Small seminar room on the 1st floor, Sakura

We analyze the effect of order-parameter fluctuations on the superfluid density wave states known as Fulde-Ferrell-Larkin-Ovchinnikov (FFLO) phases in neutral Fermi systems. We identify a tendency to renormalize the ordering wave-vector to zero by fluctuations. The results indicate that the FFLO states may be unstable as thermodynamic phases both in dimensionality d=2 and d=3 at temperatures T>0.

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