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# Renormalization Group Approach for the Optimally Doped Cuprates

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We present an overview of the field-theoretical renormalzation group approach for interacting electrons in the normal phase of the optimally doped cuprates. Earlier calculations predicted the existence of d-wave charge density instabilities(d-CDW) which were later verifed in several experiments in non-Lanthanum materials. However the onset of the so-called pseudogap state remains an open problem to this date. We will discuss some alternatives for this riddle

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