Insights on Mott Transition and The Pseudogap Through the Veil of a Quantum Impurity Model

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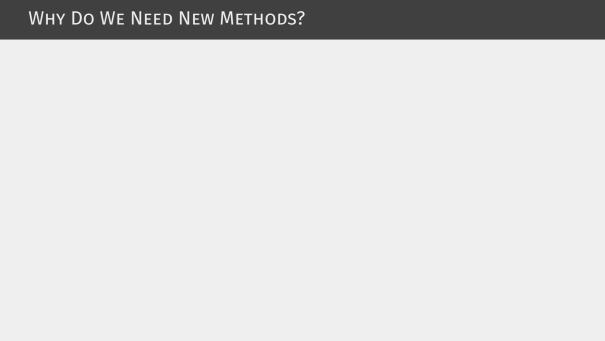
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ACKNOWLEDGEMENTS





QUANTUM MATERIALS ARE DIFFERENT



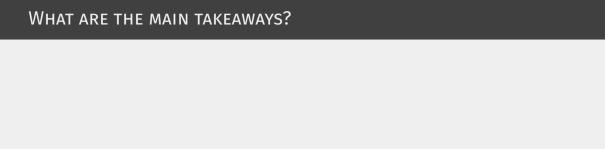
A New Auxiliary Model Approach

THE CORRECT AUXILIARY MODEL - A LATTICE EMBEDDED IMPURITY

MOMENTUM-SPACE RESOLVED KONDO BREAKDOWN

PSEUDOGAPPING TRANSITION ON THE LATTICE MODEL

NATURE OF THE METAL CLOSE TO THE TRANSITION



FUTURE PROSPECTS