

# INSIGHTS ON MOTT TRANSITION AND THE PSEUDOGAP THROUGH THE VEIL OF A QUANTUM IMPURITY MODEL

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# ACKNOWLEDGEMENTS



# QUANTUM MATERIALS ARE DIFFERENT

# WHY DO WE NEED NEW METHODS?

# 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

## WHAT ARE THE MAIN TAKEAWAYS?

## FUTURE PROSPECTS