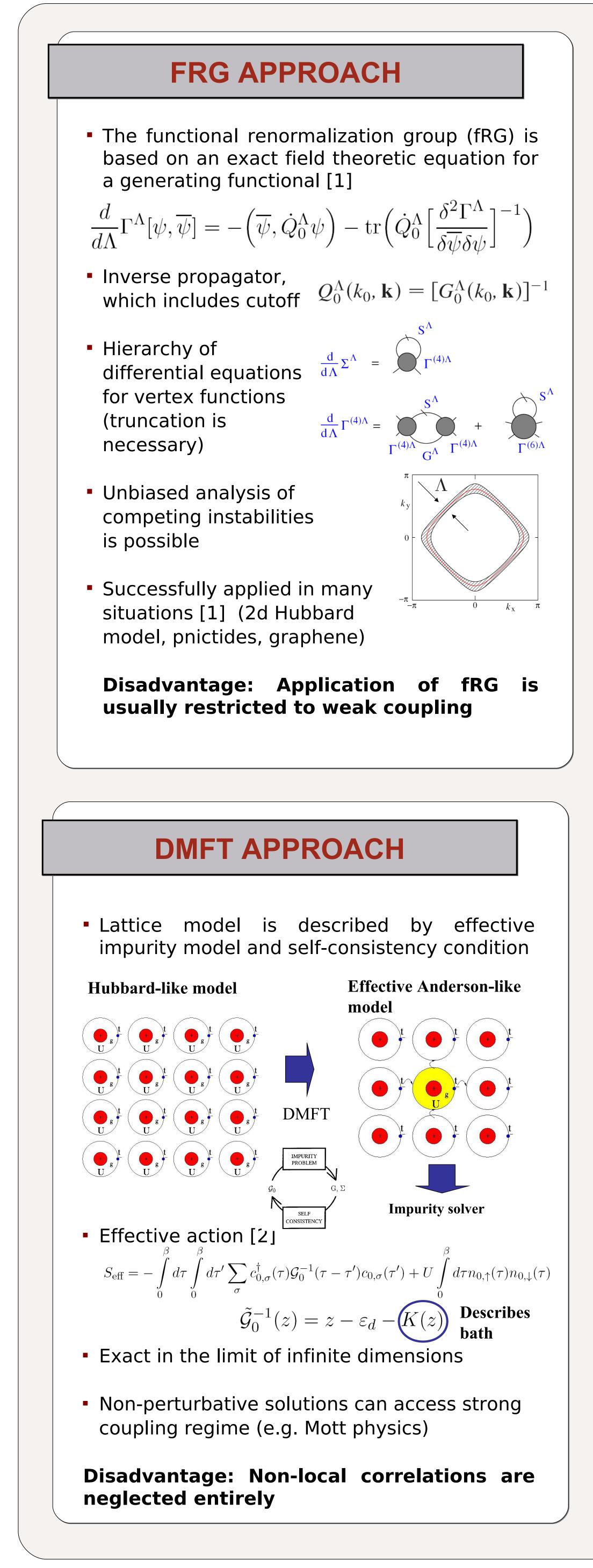
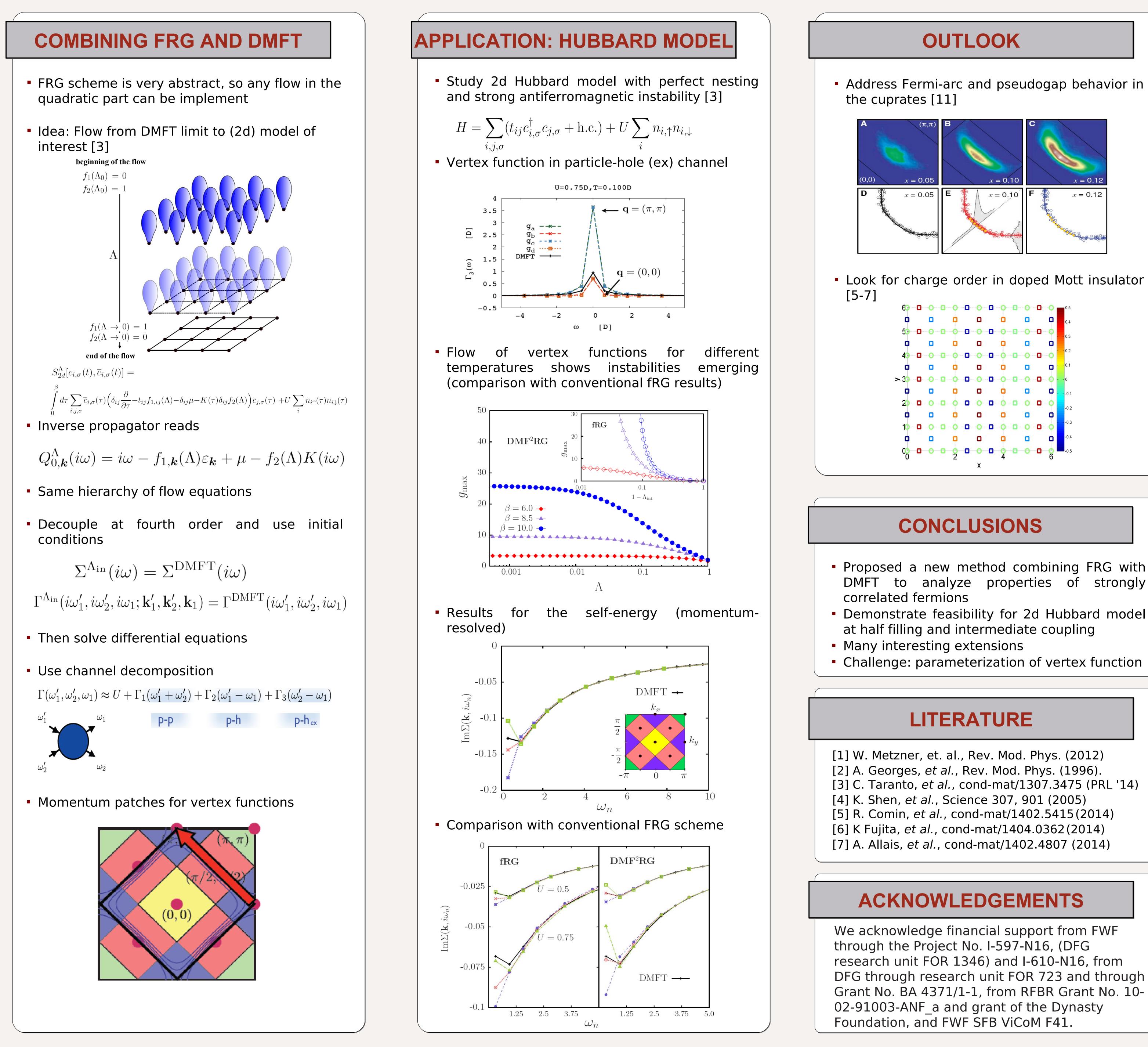
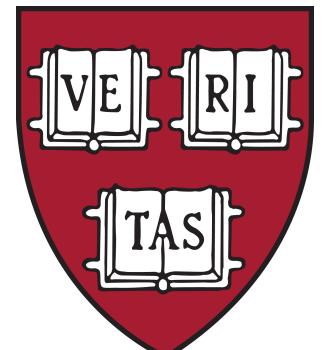
A new approach for strongly correlated fermions combining FRG with DMFT Johannes Bauer<sup>1</sup>, C. Taranto<sup>2</sup>, S. Andergassen<sup>3</sup>, K. Held<sup>2</sup>, A. Katanin<sup>4</sup>, W. Metzner<sup>5</sup>, G. Rohringer<sup>2</sup>, A. Toschi<sup>2</sup> <sup>1</sup>Harvard University, Cambridge, USA, <sup>2</sup>Vienna University of Technology, Austria, <sup>3</sup>University of Vienna, Austria, <sup>4</sup>Russian Academy of Science, Ekatarinburg, Russia,<sup>5</sup>Max-Planch Institute for Solid State Physics, Stuttgart, Germany







Address Fermi-arc and pseudogap behavior in

Look for charge order in doped Mott insulator

60 🗖		) O C	) <u> </u>	<b>)</b>	3 0 1	•	0.5
•	0	0	0	0	•	0	0.4
50 🗖		) O C	) <u>o</u> c	) 0 (	3 0 1	•	0.3
P	0	0	0	•	•	0	0.2
40 -	) 0 [	) () [					0.1
> 3			J O E				0
20 0							0.1
							0.2
		1 0 0					
	•	0	0		0		-0.4
		) o c	) <del>- </del>		<b>-</b> - I	<b>-</b> 0	-0.5
õ -		2	x	4		6	

Proposed a new method combining FRG with DMFT to analyze properties of strongly

Demonstrate feasibility for 2d Hubbard model

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