

# Francesco Peronaci

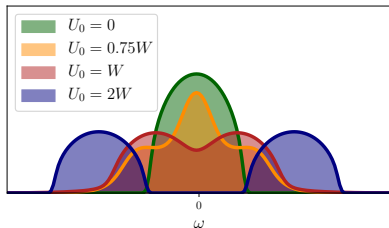
## Condensed Matter

With Olivier Parcollet and Marco Schirò

January 2019 → Max Planck Institute  
Complex Systems (Dresden)

## Strongly Correlated Systems

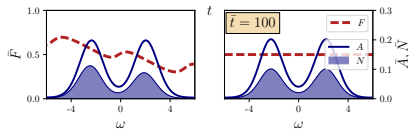
Metal → Correlated Metal →  
→ Bad Metal → Mott Insulator



## Strongly Correlated Electrons Out of Equilibrium

$$H = \sum_{ij\sigma} V_{ij} c_{i\sigma}^\dagger c_{j\sigma} + U(t) \sum_i n_{i\uparrow} n_{i\downarrow}$$

Bad Metal → Thermalization



Mott Insulator → Pre-thermalization

