

Hands-on: WEST

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MICCoM School — July 19th, 2017



Plan of the morning

Wednesday, July 19th

Morning Session: University of Chicago, William Eckhardt Research Center, Room ERC 161

8:00am	Continental Breakfast (ERC 161)
8:30am – 12:30pm	Hands-on: WEST
12:30 – 1:30pm	Lunch (ERC 161)



WEST: structure of the code





WEST: ask the team!







Marco Govoni

Team



Nicholas Brawand



He Ma



Han Yang



Ikutaro Hamada



Peter Scherpelz



Huihuo Zheng



Ryan McAvoy



N. Linh Nguyen





Let's start!

1) Connect to midway.rcc.uchicago.edu

ssh -Y midway.rcc.uchicago.edu

2) Copy the material for the Hands-on to you local directory

cp -r /project2/miccom-school/WEST .

3) Start an interactive session

sinteractive --partition=sandyb --

reservation=miccom-school --ntasks=8 --

time=4:00:00 --account=miccom-school

4) Execute the file run_me to start Jupyter notebook ./run_me



Vertical Ionization Potential





GW-full, GW-linear





Information contained in the self-energy



erley, Fetter, Walecka Quantum Theory of Many-Particle Systems



Interacting Electrons

www.west-code.org



