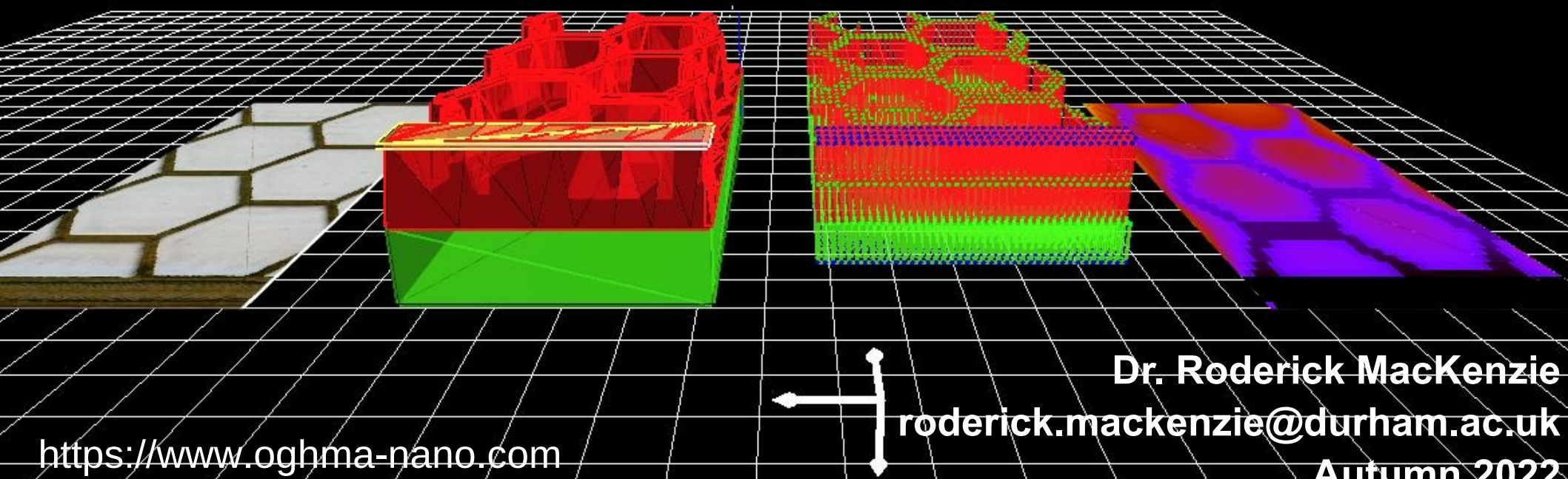
Making a new simulation in *OghmaNano*



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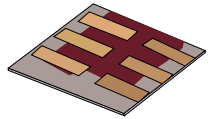
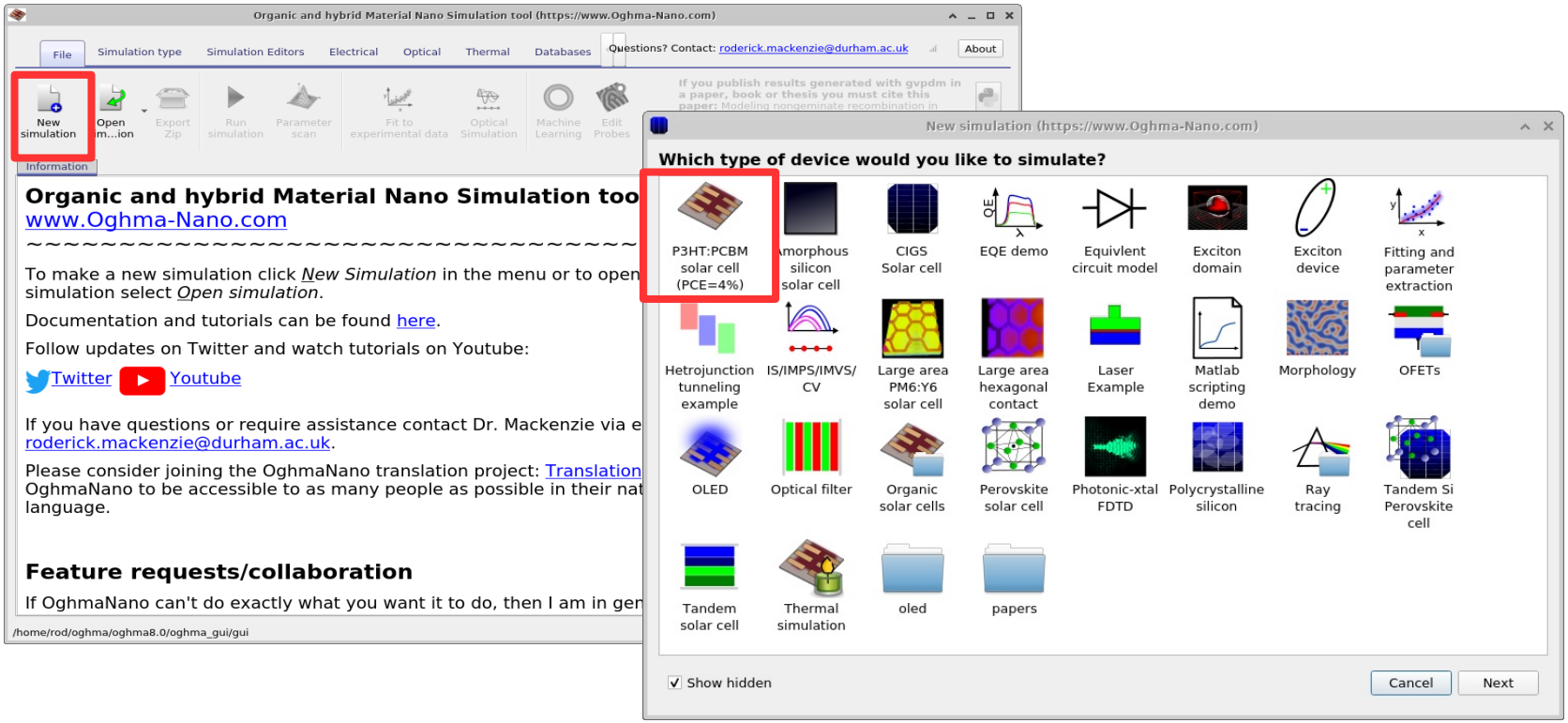
https://www.oghma-nano.com

Your first OghmaNano simulation

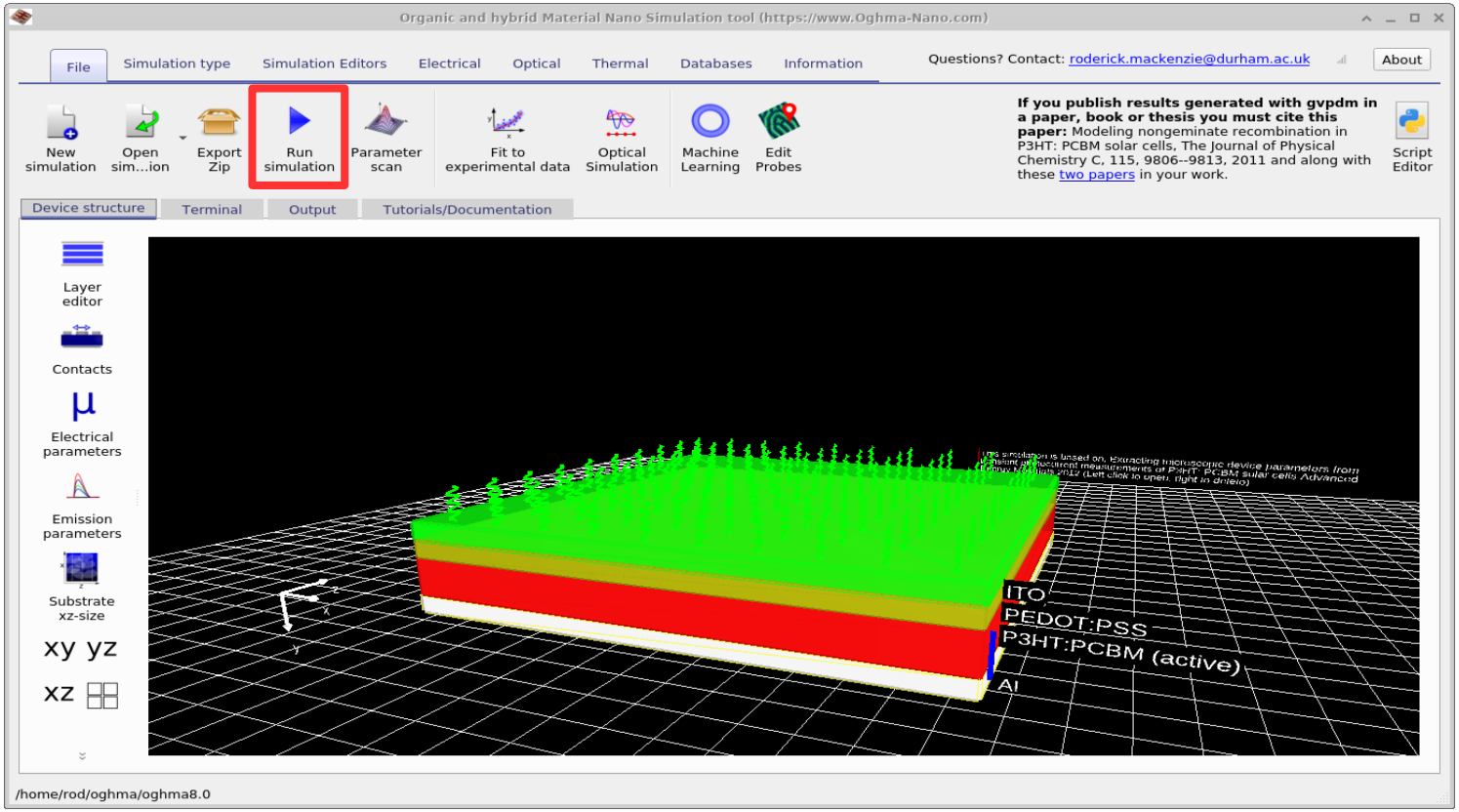


- Click on *New simulation*, in the file menu.



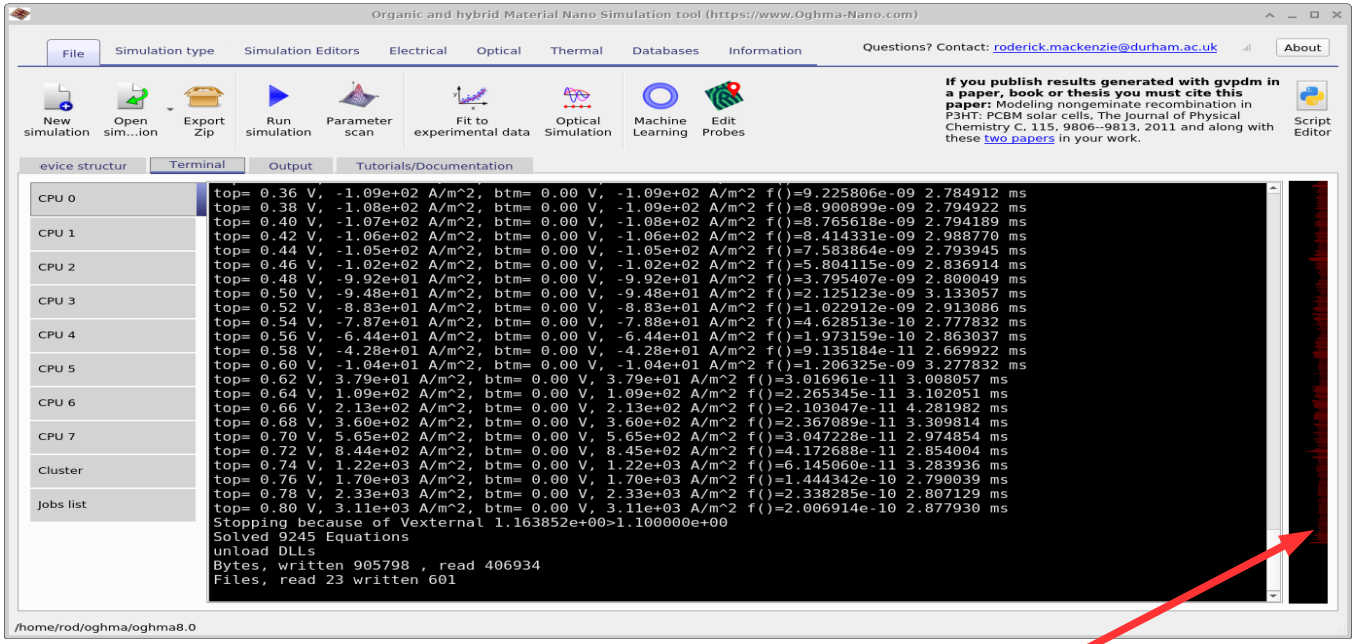
- Save it somewhere but ***not*** in the install directory.

You should get this window.



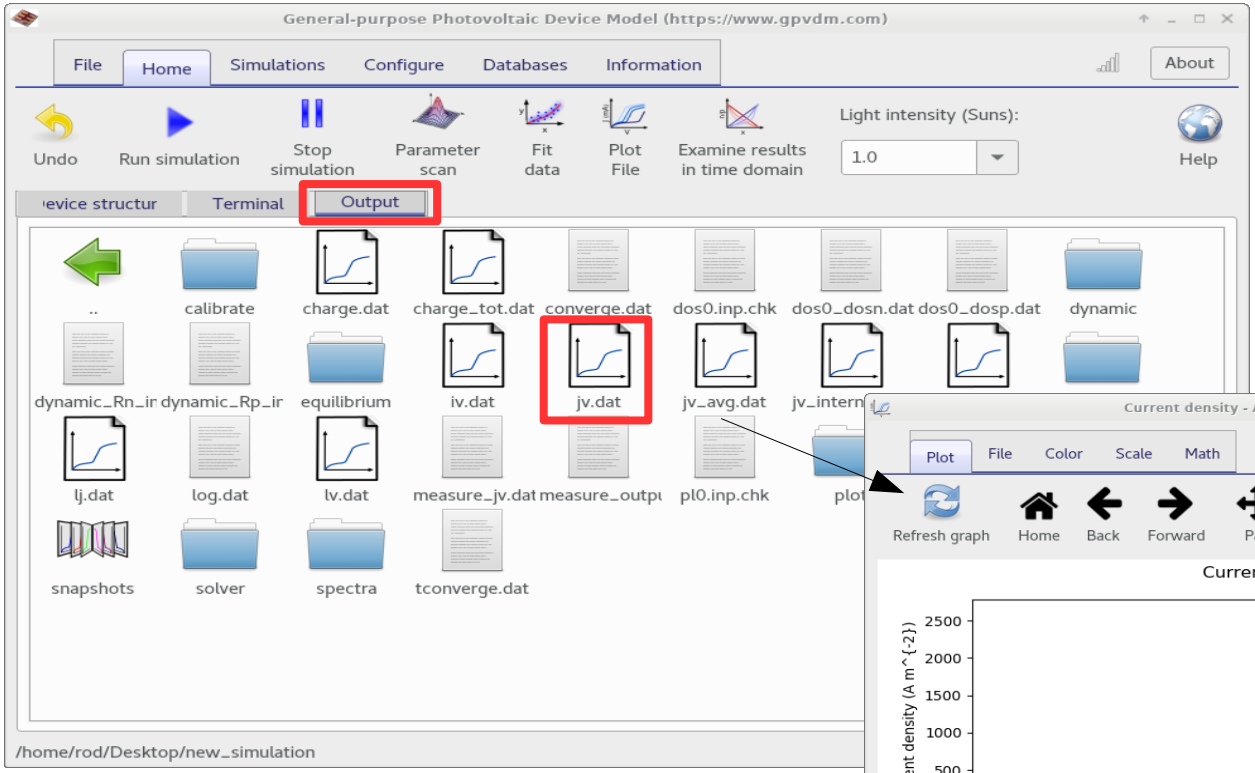
Click the play button

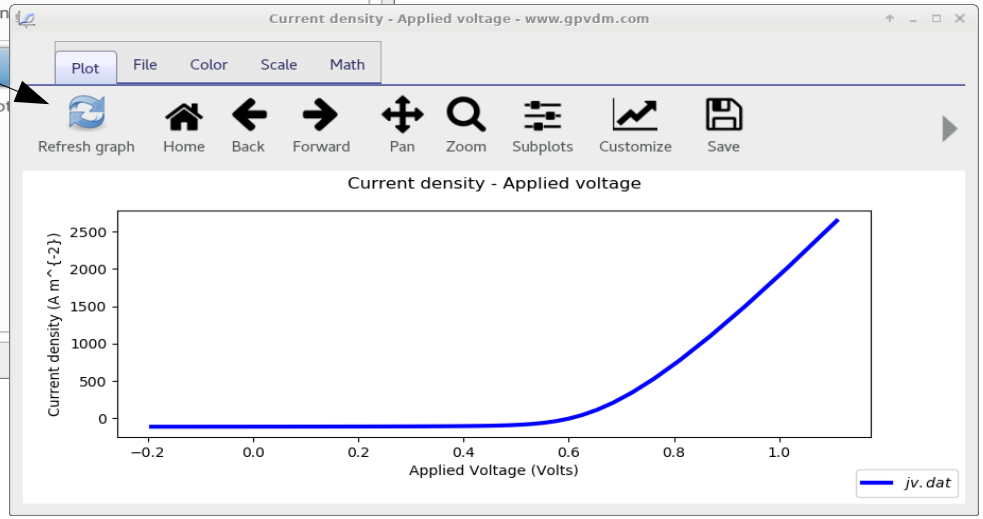
The core solver will be run on CPU 0



- Blue is CPU usage, red is disk usage, if you simulation is running slowly, writing to the hard disk is ***always*** the bottleneck, SSDs highly recommended.
- Don't run your simulation in Dropbox/OneDrive or any type of network drive, network communication is far too slow to run simulations.

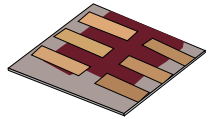
Examining the results.

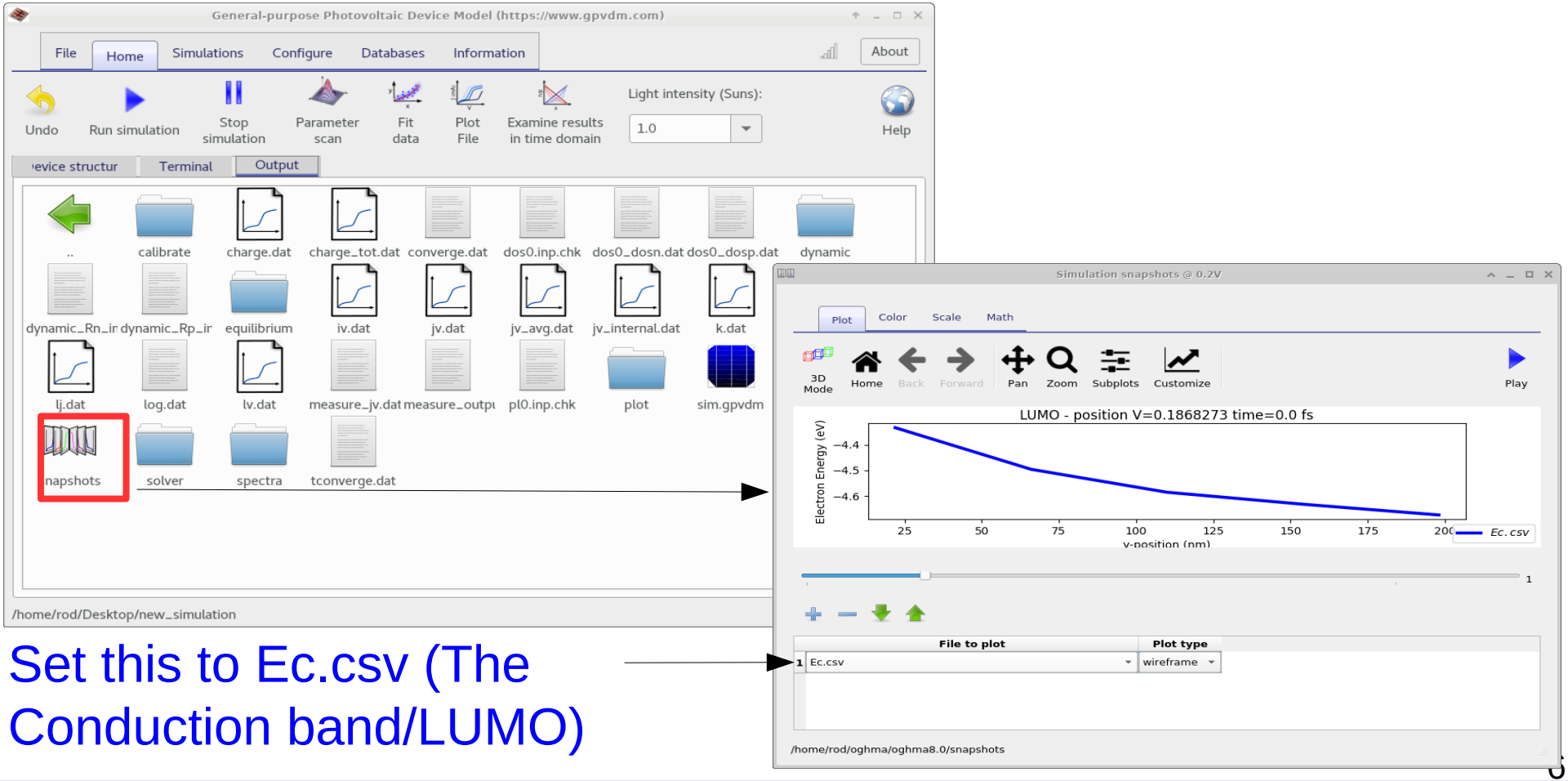




Double click on jv.dat to view J-V curve generated by the model.

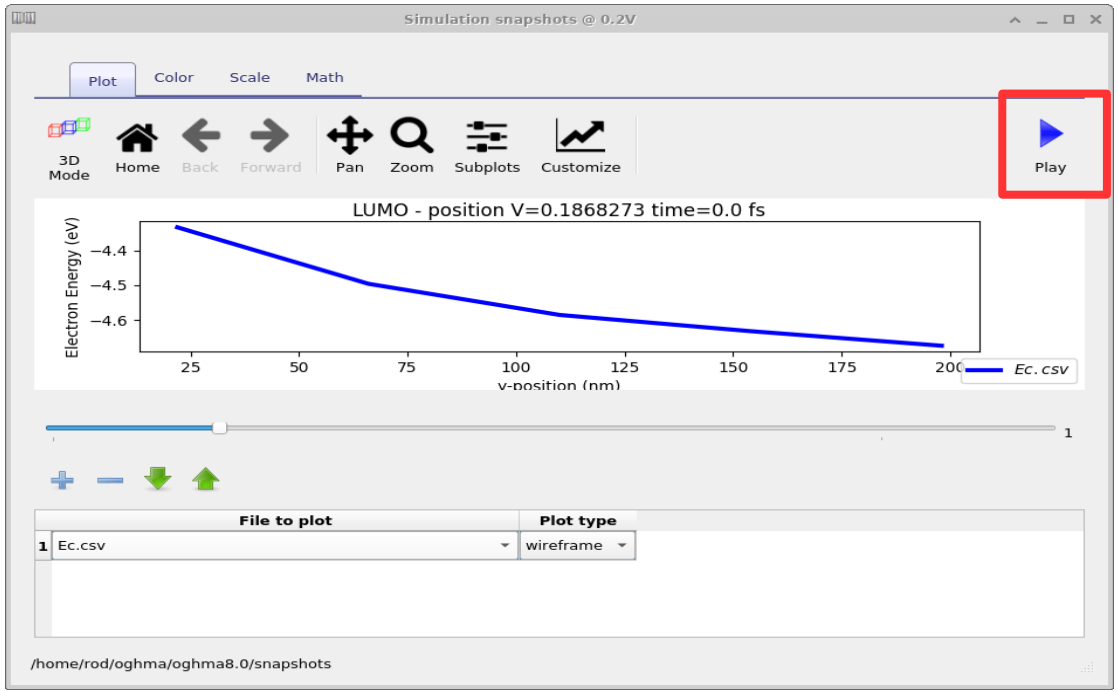
The snapshots window, this is used to show changes in the device as a function of voltage and time.





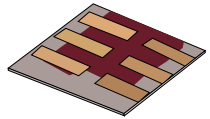
Set this to Ec.csv (The Conduction band/LUMO)

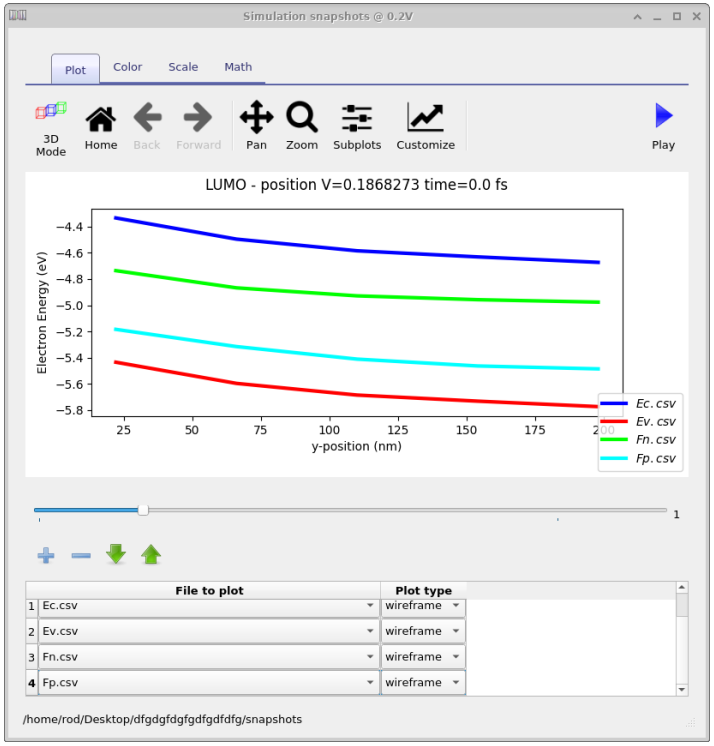
Using the snapshots window

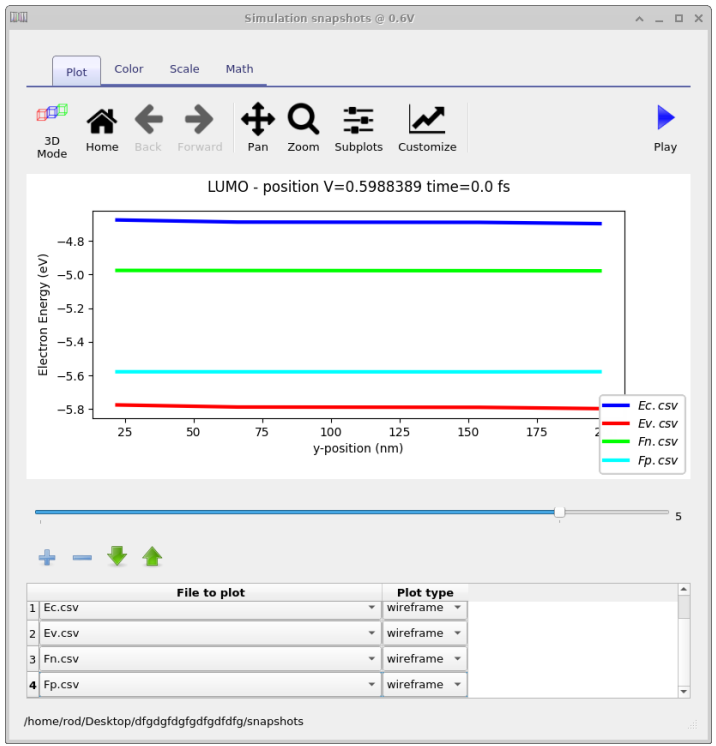


- Click play and the simulation will iterate through each voltage step. If you were doing a time domain simulation it would do the same.

More complex snapshot plots







- You can also add multiple outputs to the snapshots window.
- In this example we are plotting Ec (conduction band), Ev (valance band), Fn, Fp at the same time.