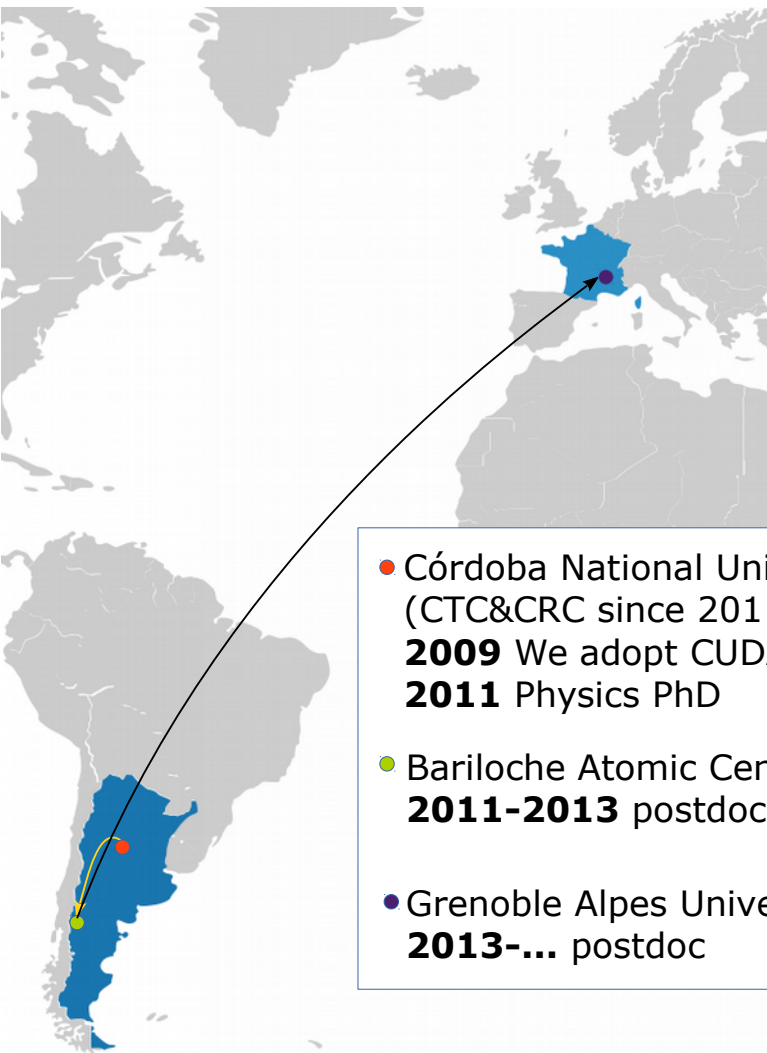


Ezequiel Ferrero

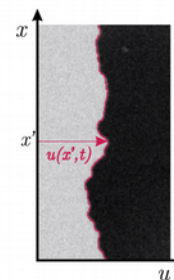
Physicist, ~~GPGPU developer~~ → **user**



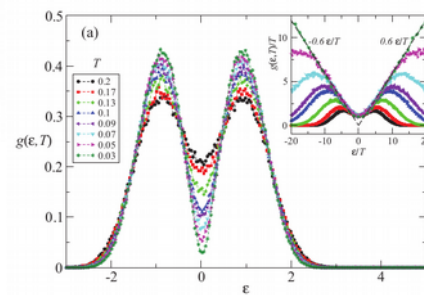
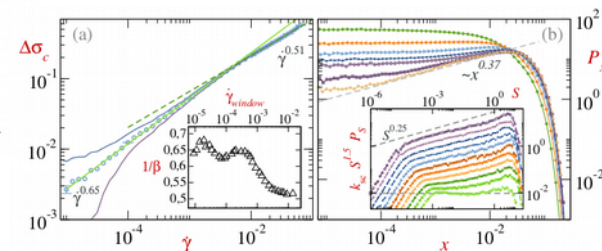
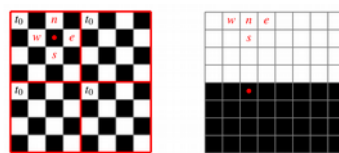
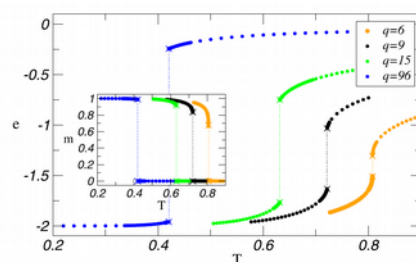
- Córdoba National University (CTC&CRC since 2011)
2009 We adopt CUDA
2011 Physics PhD
- Bariloche Atomic Center
2011-2013 postdoc
- Grenoble Alpes University
2013-... postdoc

“A display of GPU implementations in Condensed Matter Physics: four distinctive cases”

- Magnetic systems
- Disordered elastic systems
- Electron glasses
- Amorphous solids



- Lattice Monte Carlo
- Eulerian dynamics



- ✓ RNGs
- ✓ Thrust
- ✓ cuFFT
- ✓ ...

Disclaimer: speedups ~100x are “only” in practice