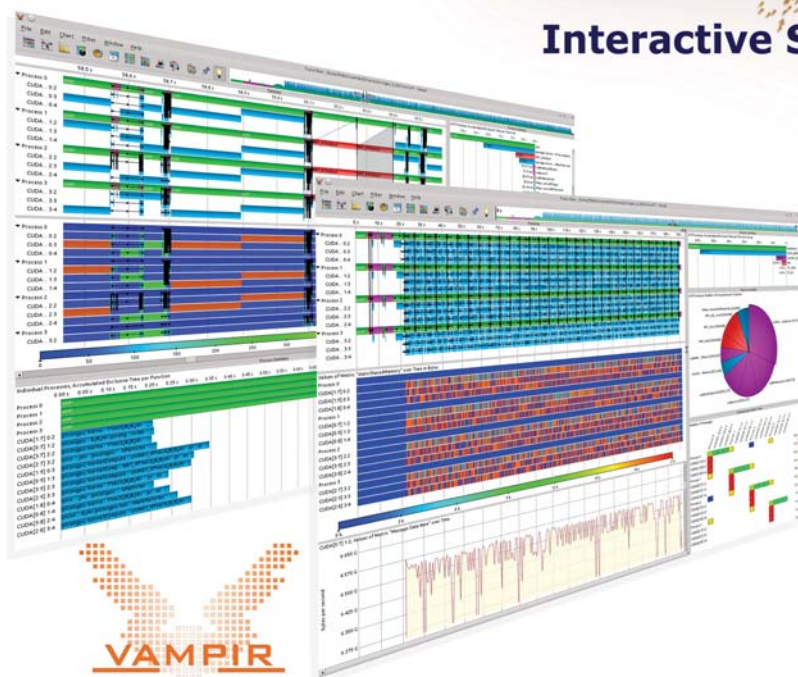


PICongPU - A Many-GPGPU Particle-in-Cell Code

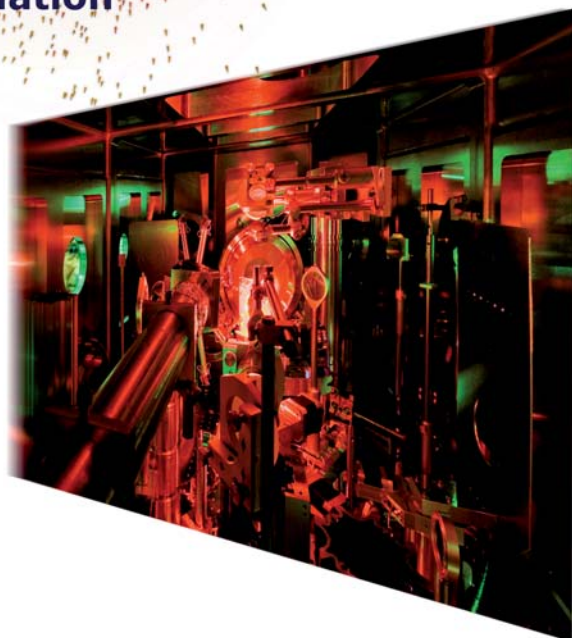
- Fully relativistic particle-in-cell simulations
- Applications in laser-plasma physics, particle acceleration and antenna research
- 7.176 PFlop/s peak performance on Titan's 18,000 K20X GPUs
- Finalist for the SC'13 ACM Gordon Bell Prize
- Performance optimized with Vampir



Interactive Simulation



Program Optimization



Scientific Results