

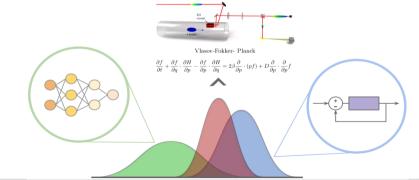


Institute for Beam Physics and Technology

PhD Student Felipe Donoso

Background: Electrical Engineering - Automatic Control - Smart Machines

RL4AA'23 workshop | 20th February 2023





My research at IBPT

- The connection of physics models (e.g., partial differential equations) with machine learning (neural networks) for solving inverse problems.
- Tomography methods for the phase-space reconstruction of electron bunches in accelerators.
- Terahertz tomography for medical applications.
- Control of non-linear processes, complex simulations, and algorithm development for science and industrial applications.