



LPHYS'24, BRAZIL

The thirty-second annual International Laser Physics Workshop (**LPHYS'24**) will be held from July 3 to July 9, 2024 in the city of São Carlos, Brazil, at the [São Carlos Institute of Physics](#), hosted by the [University of São Paulo](#).

Throughout the pandemic, we had to adjust the LPHYS Workshop format. From 2021 to 2023, in-person conferences had to be cancelled in favour of online only. We are happy to announce that LPHYS'24 in Brazil will return to its usual **in-person format**. We look forward, once again, to seeing all participants enjoy meeting old friends and mingling with new participants at the traditional welcome and dinner parties.

Weather in São Carlos



Time in São Carlos



ATTENTION SPONSORS AND EXHIBITORS

Please proceed to [Exhibition and Sponsoring page](#)

© 2003-2024 [Astro Ltd.](#) This site is sponsored by [Astro Ltd.](#)
 Technical support: webmaster@lasphys.com
 The best resolution is 1280x800



Seminar 6: Physics of Cold Trapped Atoms

Chair:



Vanderlei S. Bagnato

University of São Paulo, São Carlos, SP, Brazil

vander@if.sc.usp.br

The topics of Seminar 6 are: Cooling and trapping of atoms, Bose-Einstein condensation, degenerate Fermi gas, Bose-Bose, Fermi-Fermi, and Bose-Fermi mixtures, optical lattices, dipolar and spinor atoms, quantum and thermal effects of trapped atoms, superfluid hydrodynamics, spin-orbit interaction, droplets in mixtures, quantum turbulence, vortex turbulence, granulation, wave turbulence, coherent topological modes, generation of nonequilibrium condensates, etc.