

## Gravitational Wave Astrophysics at INPE

The Gravitational Wave Astrophysics program at INPE has three main lines of action: the first one is to try to participate in the various areas of activities for the LIGO Scientific Collaboration (LSC), with possible contributions to Virgo, KAGRA, and LIGO India collaborations; the second is to collaborate/participate in new gravitational wave observation projects, such as the Einstein Telescope, Cosmic Explorer, NEMO and space interferometers; and the third is to construct SAGO, a third generation laser interferometer observatory in South America. In this presentation, these lines of action will be detailed.

Prof. Odylio Aguiar