

## The Brazilian Synchrotron Light Laboratory: current science and perspectives

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In this seminar the Brazilian Synchrotron Light Laboratory (LNLS) will be presented. This laboratory was the first of its kind in the southern hemisphere and started its operation for external users in 1997. The techniques available at the current facility will be briefly discussed, providing an overview of our experimental research capabilities. The project for a novel third generation synchrotron machine – named Sirius – will also be presented.

Since the beginning of its operation the LNLS supports Latin American (non-Brazilian) groups on their travel and hosting expenses. Such users actually represent about 20% of our accepted proposals and the Sirius project is open to an even more effective participation of Latin American scientists.