

## Séminaire LAL

**Walid Kaabi**  
(DEPACC LAL)

**Mardi 5 mars 2019 à 11h00**

***PERLE : A High Power Energy Recovery Facility at Orsay***

PERLE is a proposed high power Energy Recovery Linac, designed on multi-turn configuration, based on SRF technology, to be studied and later hosted at Orsay, in a collaborative effort between local laboratories: LAL and IPNO, together with an international collaboration involving today: CERN, JLAB, AsTEC Daresbury, Liverpool University and BINP Novosibirsk. A part from its experimental program, PERLE will be a unique leading edge facility designed to push advances in accelerator technology, to provide intense and highly flexible test beams for component development.

In its final configuration, PERLE provides a 500 MeV electron beam using high current (20 mA) acceleration during three passes through 801.6 MHz cavities. This presentation outlines the technological choices, the lattice design and describes the potential contributions of the partners.

***Auditorium Pierre Lehmann*** - Bât. 200, Orsay

Organisation :

Reisaburo Tanaka - Joao Coelho - Thibaud Louis - Aurélien Martens - Dimitris Varouchas (LAL) - [seminaires@lal.in2p3.fr](mailto:seminaires@lal.in2p3.fr)

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