



Contribution ID: 1010

Type: **Parallel session talk**

## The Development of Energy Recovery Linacs

*Friday 30 July 2021 09:30 (20 minutes)*

A summary will be given of the current status and the prospects for energy recovery linac (ERL) technology and its possible application for future ep and e+e- colliders, as well as for low energy particle and nuclear physics. The talk will give an overview of ERL development facilities, current and future, describe key technology challenges and also cover the aspect of sustainability of ERLs. Energy recovery has been recognised as one of the major new, promising accelerator technologies of the future by the recent deliberation on the strategy for particle physics. The presentation is on behalf of an 18 person expert panel on ERL which develops a roadmap on ERL technology developments towards the end of 21, following a mandate by CERN Council and the group of directors of larger laboratories (LDG) associated to CERN.

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### Collaboration / Activity

for LDG (ATLAS, LHeC, PERLE)

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**Session Classification:** T13 - Accelerator for HEP

**Track Classification:** Accelerators for HEP