

Energy Recovery Linacs and sustainability

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Particle accelerators in general and Energy Recovery Linacs (ERLs) in particular, consume a large amount of electricity and emit a large amount of carbon dioxide. Considering ERL's R&D, to continue to gain the support of society, efforts such as energy saving of accelerators and utilization of natural energy are indispensable. In addition, further efforts should be done to build a clean infrastructure that contributes to the creation of a sustainable society using accelerators. In this presentation I would like to concentrate on the reasonable measures that could impact into sustainability, and to demonstrate what kind of course ERLs' should take for the next decades.

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