International Workshop on Future Linear Colliders, LCWS2024



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Lifecycle Inventory input to an LCA for ILC and CLIC

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As input for the planned Lifecycle Assessment (LCA) of the ILC and CLIC projects, Lifecycle Inventory (LCI) data has been collected. The most important components in terms of environmental impact, in particular greenhouse gas (GHG) emissions, are estimated to be the accelerating structures (cryo modules for ILC, two beam modules for CLIC), magnets, RF supply system, cryogenics, vacuum system, and the detectors. We present our approach and preliminary results to the quantification of energy and material inputs during the lifecycle stages of the accelerator.

Apply for poster award

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