## Cryogenics for the future fusion power plants

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Cryogenics has a heavy impact on the overall cost of the experimental fusion plants and the current approach to define cryogenics could be optimized in terms of energy efficiency. In order for future fusion reactors to produce energy for the grid, the energy consumption required by the cryoplant has to be reduced to improve the final efficiency of the entire fusion power plant. We provide in this presentation some background information useful in defining cryogenics for the future fusion power plants with a specific approach to capital and operational cost reduction.