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Software used to size the safety devices

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To avoid mistakes during the calculation, CEA/SBT has decided to write a software that take into account all the situations it is possible to encountered (subcritical state, supercritical state, ⋯). The goal is to permit to the engineer in charge of a cryostat manufacturing to perform this calculation; he is the only person able to do the accidental analysis which is fundamental for the sizing of the safety device. The software performed will be presented.

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