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# Charge breeding of Radioactive Ion Beams: status and perspectives

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Charge breeding, which transforms the charge state of ions from 1+ to an n+ charge state, is a key technology for nuclear facilities aiming at reaccelerating Radioactive Ion Beams (RIB's). It has to meet the following challenges: high charge states for high energies, high efficiency, rapidity and purity.
In the past few years, remarkable progresses were made with the two techniques of charge breeding which employ either an ECRIS or an EBIS as charge breeder. However both techniques still require dedicated R&D to overcome their present limitations. This talk will present the status of the field, and the efforts that are undertaken in particular in the frame of the NuPNET funded EMILIE project to provide future facilities with a new generation of state-of –the-art charge breeders.

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