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## RECENT RESULTS ON THE FRAISE FACILITY AT INFN-LNS

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A dedicated facility consisting in a new fragment separator named FRAISE (FRAGment In-flight SEPARATOR) is under construction at INFN-LNS. This facility will be able to exploit light and medium mass primary beams with a power up to  $\approx 2-3$  kW to produce RIBs (Radioactive Ion Beams) by means of the in-flight technique [1-4]. The high intensity achievable with FRAISE requires the use of suitable diagnostics and tagging devices, capable of also operating in a hard radioactive environment. In the present contribution we discuss the latest results of the FRAISE apparatus, with a particular focus on the diagnostics and tagging devices as well as the RIBs available thanks to the use of FRAISE.

[1] Russotto P. et al., Jour. of Phys. Conf. Ser., 1014 (2018) 012016 and references therein.

[2] Russo A.D. et al., NIM B, 463 (2020) 418.

[3] Martorana N.S., Il Nuovo Cimento 44 C (2021) 1.

[4] Martorana N.S., Il Nuovo Cimento 45 C (2022) 63.

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