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Perspectives in transfer reactions at next generation European RIB facilities

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Transfer reactions are known to represent a powerful tool for investigating the structure of atomic nuclei in detail. In the last 15 years, new instrumentation and methodologies have been developed for efficient study of these reactions when performed with radioactive ionbeams. Based on recent transfer reaction experiments performed at GANIL and RIKEN, and on existing projects of detectors aiming to replace the present generation of detector arrays, I will present some perspectives in transfer reactions studies with radioactive beams in view of the next generation European RIB facilities.

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