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Abstract for an Invited Paper
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Indirect methods in nuclear astrophysics¹

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I discuss the present status of indirect techniques that are used to determine reaction rates for stellar burning processes, These include transfer, charge-exchange, knockout and other inelastic processes with nuclear reactions performed in radioactive beam facilities. The theoretical and experimental perspectives will also be discussed.

[1] Nuclear Astrophysics with Radioactive Beams, C.A. Bertulani and A. Gade, Physics Reports 485, 195 (2010).

[2] Indirect techniques in nuclear astrophysics, R.E. Tribble, C.A. Bertulani, M. La Cognata, A.M. Mukhamedzhanov, and C Spitaleri, Reports on Progress in Physics 77, 106901 (2014).

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