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Status of TALYS

Thursday, 11 July 2024 14:30 (15 minutes)

TALYS is a software package for the simulation of nuclear reactions below 200 MeV. It is used worldwide for the analysis and prediction of nuclear reactions and is based on state-of-art nuclear structure and nuclear reaction models.

We will present the overall status of the code, in particular the recent TALYS-2.0 release.

Next, a global validation of the latest photon strength functions and level density models using relevant experimental databases will be given. Finally, we will share some possible TALYS development plans for the next decade.

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Track Classification: Building Bridges - Eric Bauge