

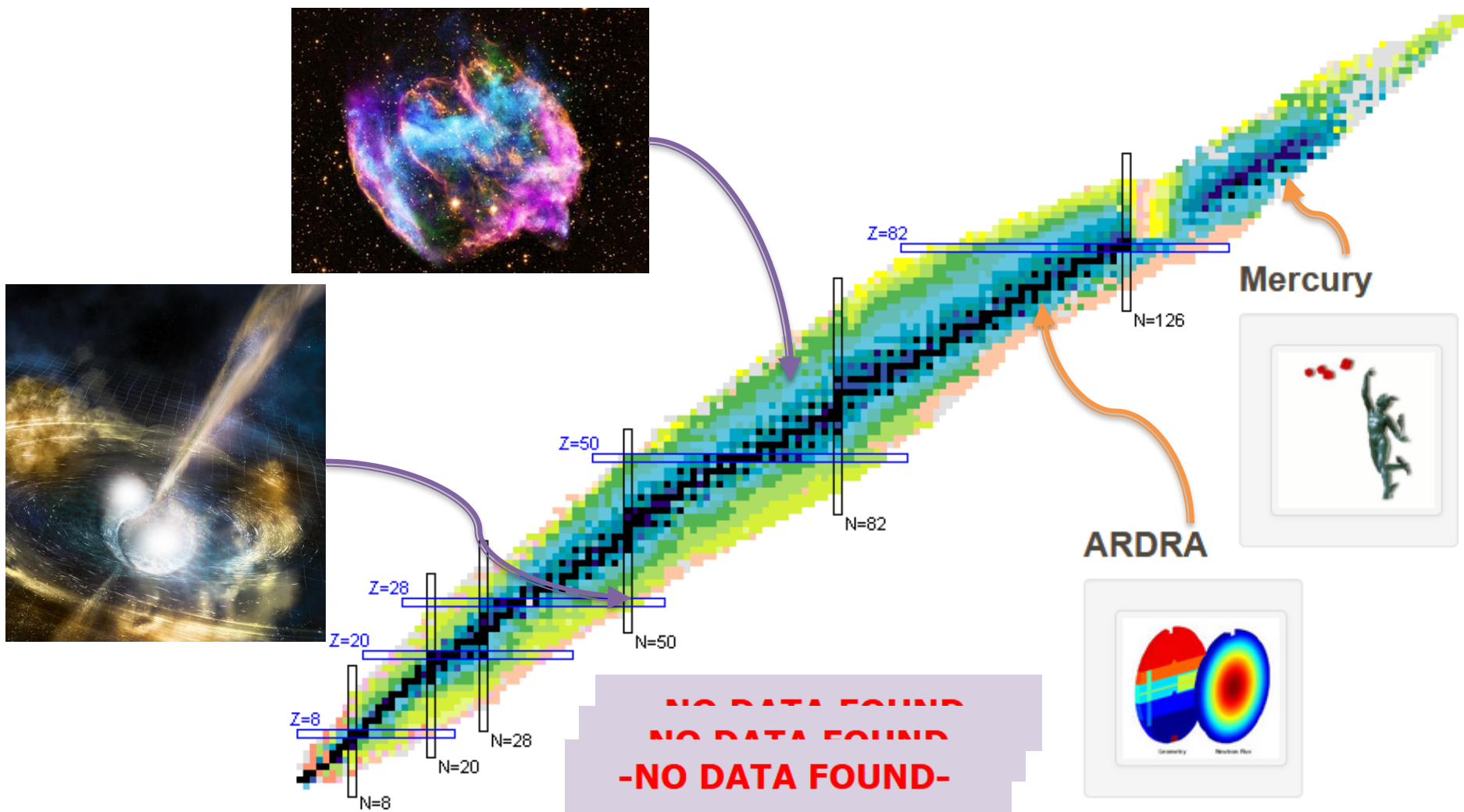


Indirect Nuclear Measurement: Can we get rid of the theorists?

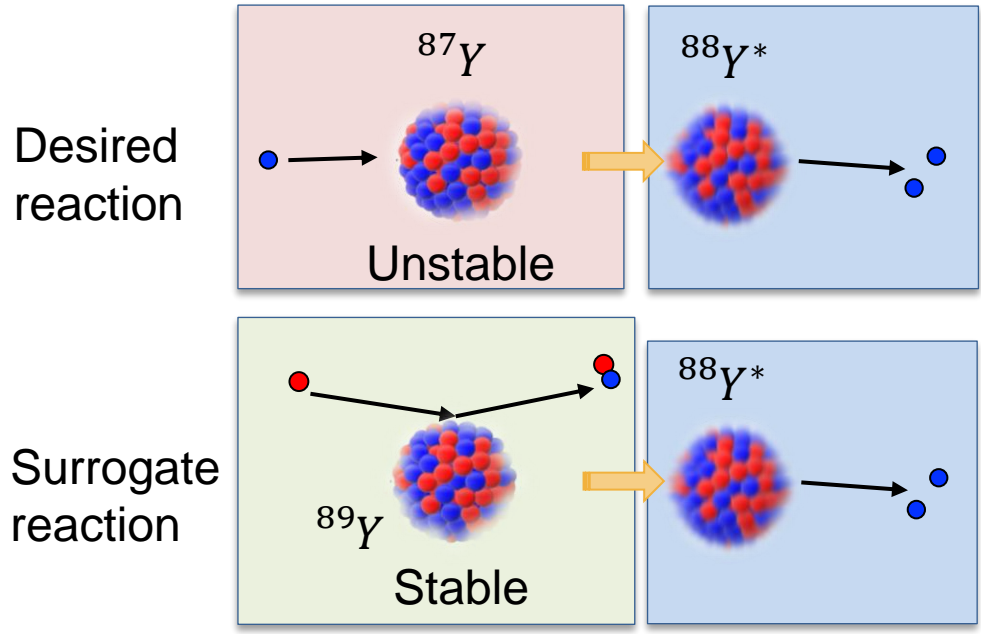
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Nuclear reaction rates are critical to Laboratory's mission and addressing astrophysical questions



LLNL scientists develop surrogate methods for measuring unstable nuclei

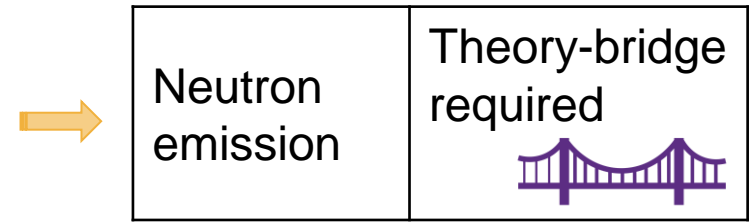
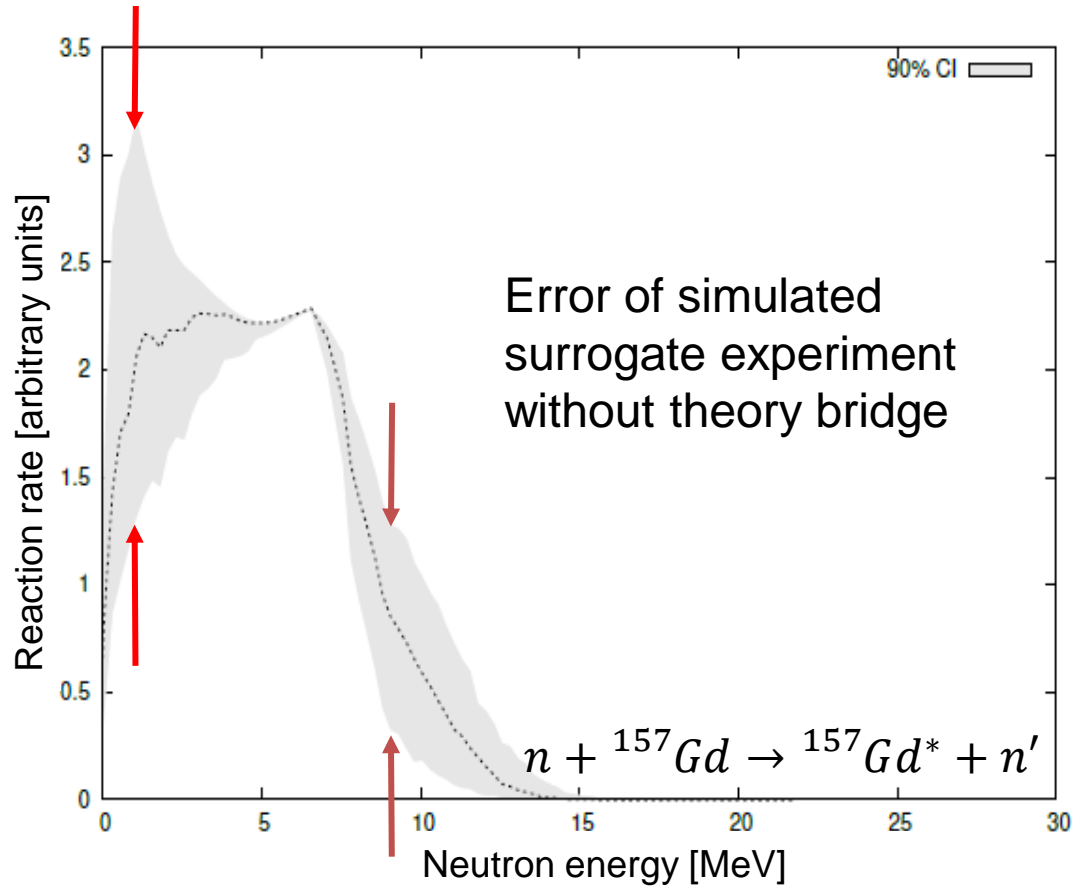


} Gap

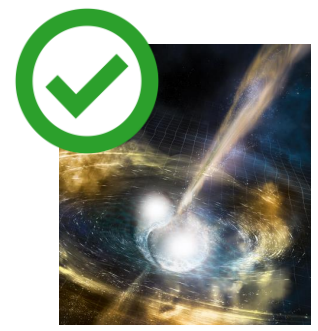
Fission	No gap
Gamma-ray emission	Theory-Bridge Required
Neutron emission	?

Do we need the theory bridge for neutron emission reactions?

My work: assessing the importance of theory for surrogate neutron-emission reactions



Theorists are needed in order to apply the Surrogate Method to neutron emission reactions.





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