

Abstract Submitted
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Fission fragment yield trends¹ MATTHEW MUMPOWER, Los Alamos National Laboratory — Nuclear fission, or the splitting of heavy nucleus into lighter fragments, is a crucial process in many modern applications and scientific pursuits. The prediction of trends in the fragment yields that arise across the chart of nuclides are of particular interest for the rapid neutron capture process of nucleosynthesis as this information dictates the placement of recycled material in lower mass regions. I will discuss recent advances of fission modeling within the theoretical macroscopic-microscopic framework and highlight our most recent calculations.

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