Abstract Submitted
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The Effect of N/Z on Caloric Curves[1] S. WUENSCHEL, S.J. YENNELLO, Z.W. KOHLEY, L.W. MAY, G. SOULIOTIS, Texas A&M University, D.V. SHETTY, Texas A&M University, Western Michigan University, K. HAGEL, B.C. STEIN, S.N. SOISSON, S. GALANPOULOS, Texas A&M University — For many years, the onset of multi-fragmentation in excited nuclei has been associated with a liquid-to-gas type phase transition. Phase transition studies have been conducted using yields from discrete telescopes and quasi-complete event detectors. These efforts have yielded information about nuclear phase transitions in general. However, the effect of the two-component nature of the nucleus is still unclear. The reactions of ^{86,78}Kr projectiles on ^{64,58}Ni targets at 35MeV/u were studied with the NIMROD-ISiS array. The 4pi coverage and excellent isotopic resolution of NIMROD-ISiS allow quasi-projectiles to be reconstructed in both Z and A. Caloric curves will be presented as a function of N/Z of this well-defined quasi-projectile source.

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