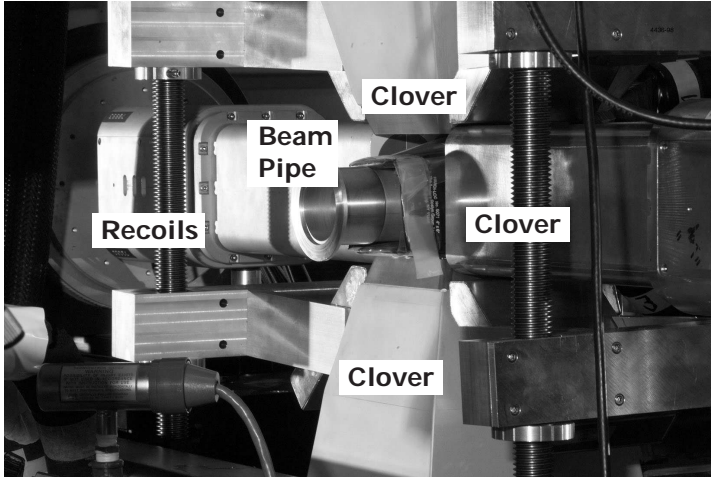


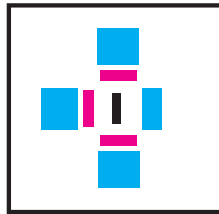
# <sup>80</sup>Zr: rp-process waiting point nucleus Half-life measured at HRIBF via delayed-gamma tagging



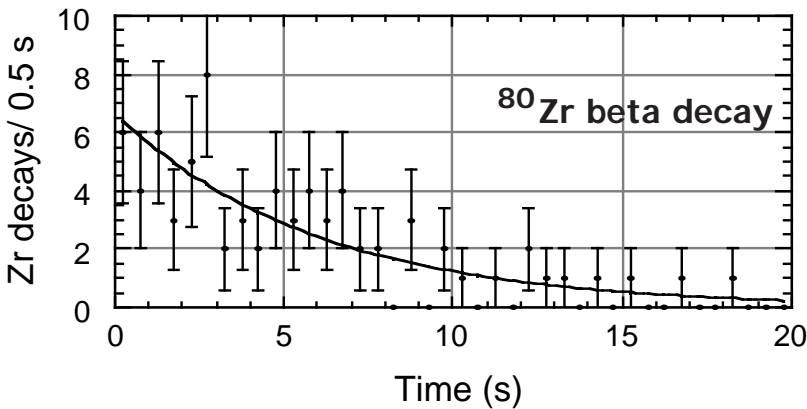
## Prompt & delayed coincidences

Side view cross-section

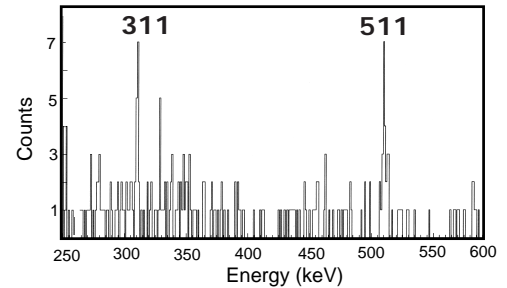
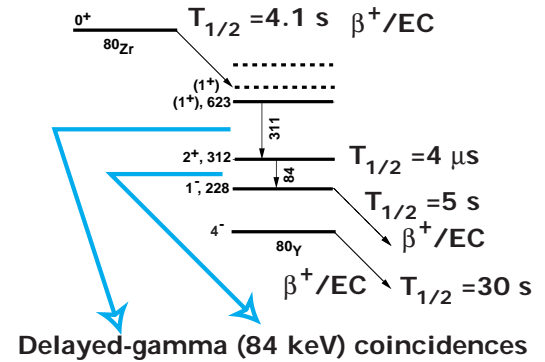
Beam into slide



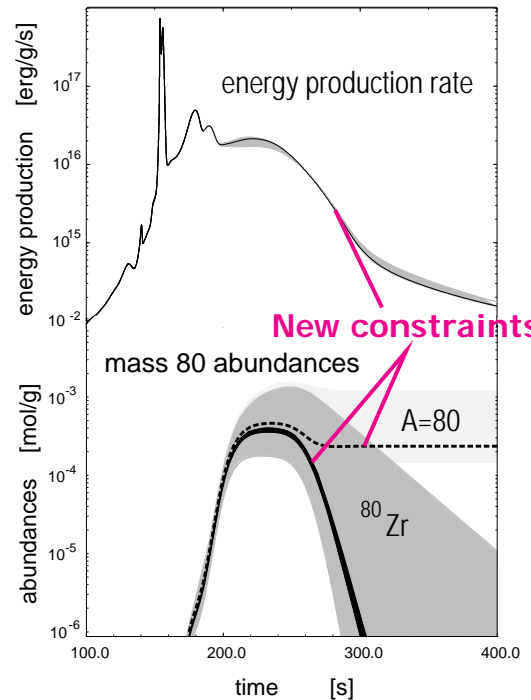
3 Clover Ge & 1 LEPS  
3 plastic scintillators (beta)  
Moving Tape Collector (30 & 20 s cycles)



J.J. Ressler et al. PRL 84, 2104 (2000)



One mass zone calculation results for an X-ray burst (Wiescher et al.)



Significant reduction in A=80 nuclei  
Distributed evenly in heavier masses