

^{56}Cu mass measurement with LEBIT



- Previous predictions for the mass excess of ^{56}Cu results in vastly different rp-process flow near ^{56}Ni . To elucidate the situation, we performed a direct mass measurement of ^{56}Cu using the LEBIT Penning trap.
- The new mass results in a redirection of some of the flow through the $^{55}\text{Ni}(p,\gamma)$ route, bypassing the ^{56}Ni waiting-point and resulting in a reduction of ashes near ^{56}Ni .

