

$^{58}\text{Ni}(\alpha, ^8\text{He}) \text{E}=110 \text{ MeV}$ [1976KeZN,1977Tr05](#)

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Yang Dong, Huo Junde		NDS 121, 1 (2014)	20-Jun-2014

Magnetic spectrometer operated with 2.3-msr solid angle, focal plane detector consisted of gas proportional counter backed by solid-state detector, reduced background to the sub-nanobarn level.

Measured mass excess=-39.21 MeV 5 ([1977Tr05](#)).

[Additional information 1.](#)

Reaction Q value=-50.19 MeV 5. Endpoint energy for positron decays estimated is 7.77 MeV 5, source could be delayed proton emitter.

 ^{54}Ni Levels

<u>E(level)</u>	<u>Jπ</u>
0.0	0 ⁺
2000	