
 $^{138}\text{Ba}(\mu^-, 2n\gamma)$ [1973Lu01](#)

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	E. A. Mccutchan	NDS 152, 331 (2018)	1-Apr-2018

Muons with momentum 100 MeV/c brought to rest in target isotopes. Measured $E\gamma$, $I\gamma$ and muonic x-rays using coaxially drifted Ge(Li) detector.

 $\gamma(^{136}\text{Cs})$

These transitions are known not to be associated with ^{135}Cs or ^{137}Cs , and [1973Lu01](#) suggest that they may be unidentified transitions in either ^{136}Cs or ^{138}Cs .

<u>E_γ</u>	<u>I_γ^\dagger</u>
$^{x203.8}_{\pm 8}$	2.3 5
$^{x240.3}_{\pm 5}$	5.4 11
$^{x449.4}_{\pm 6}$	2.3 5

† Photon intensities per 100 stopped muons.

‡ Placement of transition in the level scheme is uncertain.

x γ ray not placed in level scheme.