^{9}Be(^{208}Pb,Xγ) 2005Ca02

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jin Wu	NDS 206,1 (2025)	29-Oct-2024

2005Ca02: ^{175}Er was produced in the projectile fragmentation of ^{208}Pb beam at 1 GeV/nucleon using a 1.6g/cm^2 thick Be target located at the entrance of Fragment Separator (FSA) of GSI. The particle-identification was built on even-by-event basis. The experimental setup also included two multi-wire proportional counters for position measurements; two scintillation detectors providing time-of-flight and position information; and additional two scintillators and an ionization chamber (MUSIC) for energy loss measurements. Measured Eγ using four "Clover" type Ge detectors.

^{175}Er Levels

E(level)	Comments
0	
0+x?	$T_{1/2}$: 40-230 ns quoted with γ(t) by 2005Ca02. The counting statistics did not permit the quantitative determination of decay half-lives. However, the recording time ranges provide constraints on the isomer half-life.

γ(^{175}Er)

E$_\gamma$	E$_i$(level)
^{x}63†	
^{x}103†	
^{x}120†	
^{x}160†	
^{x}258†	
^{x}338†	

† Delayed γ from figure 16 of 2005Ca02.
^{x} γ ray not placed in level scheme.