

$^9\text{Be}(^{40}\text{Ar},^{17}\text{C})$  [2000Oz01,2012Kw02](#)

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	J. H. Kelley, G. C. Sheu		ENSDF	01-May-2017

[2000Oz01](#): Production yields for fragmentation of 1 GeV/nucleon  $^{40}\text{Ar}$  projectiles on a Be target were measured for a variety of nuclides.  $\sigma(^{17}\text{C})\approx 1.5\times 10^{-5}$  b was deduced.

[2003Oz01,2007No13](#): Production yields for fragmentation of 94 MeV/nucleon  $^{40}\text{Ar}$  projectiles were measured. For a beryllium target,  $\sigma\approx 5.7\times 10^{-6}$  b was deduced. Also,  $\sigma\approx 7.3\times 10^{-5}$  b was deduced for a tantalum target.

[2012Kw02](#): Production yields for fragmentation of 120 MeV/nucleon  $^{40}\text{Ar}$  projectiles on beryllium, nickel and tantalum targets were measured. The cross section of roughly  $1\times 10^{-2}$  mb was deduced for  $^9\text{Be}$ .

See also analysis of transverse momentum widths of nuclides produced in  $^{40}\text{Ar}+^9\text{Be}$  at  $E(^{40}\text{Ar})=95$  MeV/nucleon ([2015Mo17](#)).

 $^{17}\text{C}$  LevelsE(level)

0