^{32}Ne β^- decay (4.1 ms) 2022Cr03,1990Gu02,1991Mu19

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 201,1 (2025)	31-Oct-2024

Parent: ^{32}Ne: E=0; $J^\pi=0^+$; $T_{1/2}$=4.1 ms *7*; Q(β^-)=18360 *syst*; %β^- decay=100
^{32}Ne-Q(β^-): 18360 *500* (syst,2021Wa16).
^{32}Ne-$T_{1/2}$: Weighted average of 4.5 ms *7* (2022Cr03) and 3.5 ms *9* (1998NoZW, tentative result).
Production of ^{32}Ne nuclide in ^{181}Ta(^{48}Ca,X) fragmentation reaction: 1990Gu02, 1991Mu19, 1997Sa14, 2002LuZT.
2022Cr03: ^{32}Ne was produced from ^{9}Be(^{48}Ca,X) with E=172.3 MeV/nucleon at FRIB and delivered to FDSi. Measured $T_{1/2}$.
Details of ^{32}Ne decay are not known.

^{32}Na Levels

E(level)	J^π	Comments
0?	(3^-)	J^π: from Adopted Levels.