^{165}Ir p decay (328 μs) 1997Da07,2014Dr02

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Balraj Singh and Jun Chen[#]	NDS 147, 1 (2018)	30-Nov-2017

Parent: ^{165}Ir: E=2.3×10^{2} *11*; J^{π}=(11/2^{-}); $T_{1/2}$=328 μs *40*; Q(p)=149×10^{1} *11*; %p decay=88 *2*

^{165}Ir-E: From 1997Da07. 2017Au03 suggest 180 *50* from systematics.

^{165}Ir-J^{π}: From 1997Da07 and 2014Dr02.

^{165}Ir-$T_{1/2}$: Weighted average of 340 μs *40* (2014Dr02) and 300 μs *60* (1997Da07).

^{165}Ir-Q(p): From E(p)=1707 *7* (1997Da07). Other: 1540 *50* (syst,2017Wa10).

^{165}Ir-%p decay: %α=12 *2* (2014Dr02). Other: 13 *4* (1997Da07).

1997Da07: ^{165}Ir produced in ^{92}Mo(^{78}Kr,p4n),E=384 MeV reaction. The recoil products were analyzed by Fragment Mass Analyzer and prompt protons were identified by position, time and energy correlations between the residual nucleus, observation of decay proton and decay α particle.

2014Dr02: ^{165}Ir produced in ^{92}Mo(^{78}Kr,p4n) reaction at 428-450 MeV using RITU separator and GREAT spectrometer at Jyvaskyla. Measured Ep, Eα, $T_{1/2}$, branching ratio.

^{164}Os Levels

E(level)	J^{π}
0.0	0^{+}

Protons (^{164}Os)

E(p)	E(^{164}Os)	I(p)	Comments
1707 *7*	0.0	100	Only one proton branch is reported.