

$^{199}\text{Fr}$   $\alpha$  decay (6.2 ms) 2013Ka16,2013Uu01

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong and Kang Mengxiao		NDS 121,395 (2014)	1-Mar-2014

Parent:  $^{199}\text{Fr}$ :  $E=47.7$ ;  $J^\pi=(7/2^-)$ ;  $T_{1/2}=6.2$  ms  $+11-8$ ;  $Q(\alpha)=781\times 10^1$  4;  $\% \alpha$  decay=?

2013Ka16:  $^{195}\text{At}$  from  $^{199}\text{Fr}(\alpha)$ [from  $^{141}\text{Pr}(^{60}\text{Ni},X)$ ]. Measured  $E_\gamma$ ,  $E_\alpha$ ,  $I_\alpha$ ,  $\alpha\gamma$ -coin,  $T_{1/2}$  using SHIP at GSI facility.

2013Uu01:  $^{195}\text{At}$  from  $^{199}\text{Fr}(\alpha)$ [from  $^{141}\text{Pr}(^{60}\text{Ni},X)$ ]. Measured  $E_\gamma$ ,  $E_\alpha$ ,  $I_\alpha$ ,  $T_{1/2}$  using RITU separator and GREAT spectrometer at JYFL facility.

 $^{195}\text{At}$  Levels

E(level)	$J^\pi$	$T_{1/2}^\dagger$	Comments
32 7	(7/2 <sup>-</sup> )	143 ms 3	E(level), $J^\pi$ : from 2013Ka16. $T_{1/2}$ : from Adopted Levels.

<sup>†</sup> From 2013Ka16.

 $\alpha$  radiations

$E_\alpha$	E(level)	Comments
7676 6	32	$E_\alpha$ : from 2013Ka16. Others: 7664 11 (2013Uu01),