

^{201}Fr α decay

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|------------------------------|---------|---------------------|------------------------|
| Full Evaluation | Huang Xiaolong, Zhou Chunmei | | NDS 104, 283 (2005) | 1-Jan-2002 |

Parent: ^{201}Fr : $E=0$; $J^\pi=(9/2^-)$; $T_{1/2}=69$ ms $+16-11$; $Q(\alpha)=7516$ 50; $\% \alpha$ decay=100.0

[1996En01](#): $^{170}\text{Yb}(^{35}\text{Cl},8n)$, $E=4.9-5.3\text{MeV/nucleon}$, measured the $E\alpha$, $T_{1/2}$, using a gas-filled recoil separator. Others: [1980Ew03](#), [1986Sc31](#).

 ^{197}At Levels

Produced by $^{170}\text{Yb}(^{35}\text{Cl},8n)$ reaction with 4.9-5.3MeV/ nucleon, using a gas-filled recoil separator ([1996En01](#)).

| <u>E(level)</u> | <u>J^π</u> |
|-----------------|---------------------------|
| 0 | (9/2 ⁻) |

 α radiations

| <u>$E\alpha$</u> | <u>E(level)</u> | <u>$I\alpha^\ddagger$</u> | <u>HF[†]</u> |
|-----------------------------|-----------------|--------------------------------------|-----------------------|
| 7361 7 | 0 | ≈ 100 | ≈ 1.3 |

[†] $r_0=1.5220$ ([1980Ew03](#)).

[‡] Absolute intensity per 100 decays.