

^{171}Au p decay (17 μs) [1999Po09](#)

| Type | Author | History | Citation | Literature Cutoff Date |
|-----------------|--|---------|-------------------|------------------------|
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Parent: ^{171}Au : $E=0.0$; $J^\pi=(1/2^+)$; $T_{1/2}=17 \mu\text{s} +9-5$; $Q(p)=1448$ 10 ; %p decay \approx 100.0

[1999Po09](#): produced ^{171}Au using $^{96}\text{Ru}(^{78}\text{Kr},p2n)$ reaction at 375 MeV; fragment mass analyzer, recoils implanted into double-sided Si strip detector; measured $E(p)$, (A=171 implant)-p- $\alpha(^{170}\text{Pt})$ correlation, parent $T_{1/2}$, branching.

All data are from [1999Po09](#).

 ^{170}Pt Levels

| <u>E(level)</u> | <u>J^π</u> |
|-----------------|---------------------------|
| 0.0 | 0^+ |

Protons (^{170}Pt)

| <u>E(p)</u> | <u>E(^{170}Pt)</u> | <u>I(p)</u> | <u>Comments</u> |
|-------------|--|-------------|--|
| 1444 17 | 0.0 | 100 | E(p): this E(p) implies S(p)=-1452 17 for ^{171}Au (cf. -1448 10 from 2017Wa10). |