

Adopted Levels, Gammas

| Type | Author | History Citation | Literature Cutoff Date |
|-----------------|--------------|------------------|------------------------|
| Full Evaluation | F. G. Kondev | NDS 192,1 (2023) | 1-Aug-2023 |

$Q(\beta^-)=5030$ syst; $S(n)=5240$ syst; $S(p)=8590$ syst; $Q(\alpha)=-1640$ syst [2021Wa16](#)

Estimated SY uncertainties: 200 keV for $Q(\beta^-)$, 200 keV for $S(n)$, 280 keV for $S(p)$ and 360 keV for $Q(\alpha)$ ([2021Wa16](#)).

 ^{200}Ir LevelsCross Reference (XREF) Flags

A $^9\text{Be}(^{208}\text{Pb},X\gamma)$

| E(level) [†] | J^π | $T_{1/2}$ | XREF | Comments |
|-----------------------|-----------------------------------|------------|----------|---|
| 0 | (2 ⁻ ,3 ⁻) | 43 s 6 | A | $\% \beta^- = 100$ J^π : Tentative assignment based on the probable β^- feedings to 2 ⁺ levels and the absence of any β^- feeding to the 0 ⁺ , 1583.1-keV level in the daughter nucleus ^{200}Pt (2013Mo20); $J^\pi=3^-$ predicted in 2011Ji02 . $T_{1/2}$: From implant- β^- (Δt) in 2014Mo15 . configuration: Probable $\pi(d_{3/2}^{-1}) \otimes \nu(f_{5/2}^{-1})$. |
| 120.0 5 | | 17.1 ns 12 | A | $T_{1/2}$: From 120.0 γ (t) in 2011St21 . |
| 126.6 5 | | 28.5 ns 15 | A | $T_{1/2}$: From 126.6 γ (t) in 2011St21 . |

[†] From E_γ .

 $\gamma(^{200}\text{Ir})$

| $E_i(\text{level})$ | E_γ [†] | I_γ [†] | E_f | J_f^π | Comments |
|---------------------|-------------------------|-------------------------|-------|-----------------------------------|---|
| 120.0 | 120.0 5 | 100 | 0 | (2 ⁻ ,3 ⁻) | E_γ : Not in coincidence with 126.6 γ (2008StZY). |
| 126.6 | 126.6 5 | 100 | 0 | (2 ⁻ ,3 ⁻) | E_γ : Not in coincidence with 120.0 γ (2008StZY). |

[†] From $^9\text{Be}(^{208}\text{Pb},x\gamma)$ ([2011St21](#)).

Adopted Levels, GammasLevel Scheme

Intensities: Relative photon branching from each level

