

$^{174}\text{Hf}(\text{d},\text{d}')$  1983Wa21

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, Huo Junde		NDS 87, 15 (1999)	1-Nov-1998

Only low-lying vibrational levels are presented. Private communication from P. Kleinheinz and B. Elbek, quoted in 1983Wa21.  
 Target:  $^{174}\text{Hf}$ . E=12 MeV. Measured scattered deuterons at  $\theta=125^\circ$ .

 $^{174}\text{Hf}$  Levels

E(level)	$J^\pi$
827 <sup>†</sup>	(0 <sup>+</sup> )
900 <sup>†</sup>	(2 <sup>+</sup> )
1063 <sup>†</sup>	(4 <sup>+</sup> )
1227 <sup>#</sup>	(2 <sup>+</sup> )
1309 <sup>‡</sup>	(2 <sup>-</sup> )
1321 <sup>‡</sup>	(3 <sup>-</sup> )
1395 <sup>@</sup>	(4 <sup>+</sup> )
1443 <sup>‡</sup>	(5 <sup>-</sup> )
1449 <sup>#</sup>	(4 <sup>+</sup> )

<sup>†</sup> Band(A):  $K^\pi=0^+$   $\beta$ -vibrational band.

<sup>‡</sup> Band(B):  $K^\pi=1^-$  octupole-vibrational band.

<sup>#</sup> Band(C):  $K^\pi=2^+$   $\gamma$ -vibrational band.

<sup>@</sup> Band(D):  $K^\pi=3^+$  band.

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Band(B): $K^\pi=1^-$ octupole-vibrational band		Band(C): $K^\pi=2^+$ $\gamma$ -vibrational band	
<u>(5<sup>-</sup>)</u>	<u>1443</u>	<u>(4<sup>+</sup>)</u>	<u>1449</u>

Band(D): $K^\pi=3^+$ band	
<u>(4<sup>+</sup>)</u>	<u>1395</u>

<u>(3<sup>-</sup>)</u>	<u>1321</u>
<u>(2<sup>-</sup>)</u>	<u>1309</u>

Band(A): $K^\pi=0^+$ $\beta$ -vibrational band	
<u>(4<sup>+</sup>)</u>	<u>1063</u>

<u>(2<sup>+</sup>)</u>	<u>1227</u>
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<u>(2<sup>+</sup>)</u>	<u>900</u>
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<u>(0<sup>+</sup>)</u>	<u>827</u>
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