*
National Renewable Energy Laboratory, Golden, Colorado 80401, USA

16 2006 1 2006

allowed

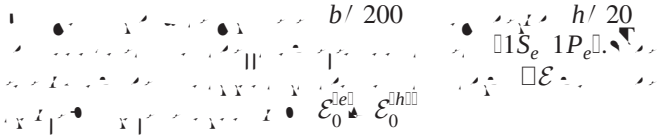
1*S*-2*S*, 1*P*-2*P*

P-P

10.1103/ .74.045316 73.20 , 73.22. , 73.43.

I. IN OD C ION

expects

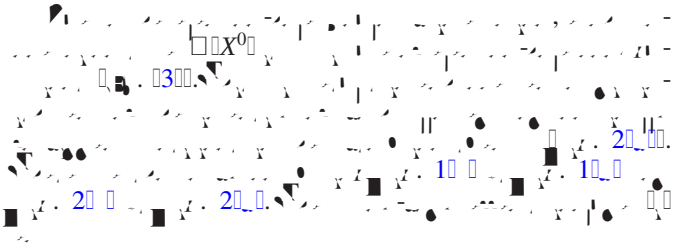


b / 252

$1P_{hh}$-$1P_{e}$ 36.0

37

3. C b ced a e b dd a e e- a c e d c e



$2S_{hh}1S_e$ B H B 5 *D*- 4 D D F 2

C. C f

$2S_{hh}$-$1S_e$ 1*S*-1*S* 1*P*-1*P* 1*S*-1*S* 1*P*-1*P* *et al.*,[1] *d*/ 170 *et al.*,[2] *d*/ 1 0 , *h*/ 35 [3] *d*/ 153 *h*/ 34 1*S*-1*S* 1*P*-1*P*, *et al.*[4] *h* / 34 1*S*-1*S*, 1*P*-1*P*, 1*D*-1*D*, *without* 1*P*-1*P*. *et al.*[5] *d*/ 136 3 7 *P* 06 362, 06 362* etet

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[21] . **89**, 216 04 (2002).
[22] . **190**, 467 (2002).
[23] . **95**, 1 6406 (2005) . . **91**, 5105 (2002) . . **64**, 161301( ) (2001).
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[25] **57**