

REF E R E N C E S

Abarbanel H D I and Itzykson C ( 1969 ) Phys Rev Lett  
23, 53.

Abramowitz M and Stegun I A ( 1970 ) Hand book of  
Mathematical Functions ( Dover Publications,  
Inc New York ).

Bates D R ( 1962 ) Atomic and Molecular processes  
( Ed D R Bates Academic Press New York ).

Bell K L and Kingston A E ( 1974 ) Adv Atom Molec Phys  
10 53.

Bransden B H and Mc Dowell M R C ( 1977 ) Phys Rep  
30 C 207.

Bransden B H and Mc Dowell M R C ( 1978 ) Phys Rep  
46 C 249.

Bromberg J P ( 1974 ) J Chem Phys 61 963.

Buckman S J Noble C J and Teubner P J O ( 1979 )  
J Phys B 12 3077.

Burka P G and Williams J F ( 1977 ) Phys Rep 34 C  
325 .

Burke P G ( 1979 ) At Mol Phys 15 471.

Byron F W Jr Joachain C J and Potuliage R M ( 1982 )  
J Phys B 15 3915.

Byron F W Jr and Joachain C J ( 1973 ) Phys Rev A  
8 1267; ( 1974 ) ibid 9 2559; ( 1977a )  
 J Phys B 10 207; ( 1977b ) Phys Rev A 15 128.

Chandraprabha C N and Desai H S ( 1983a ) Indian J Phys  
 57 B 190 ; ( 1983b ) Indian J of Pure and  
 Applied Physics 21 733.

Chandraprabha C N ( 1985 ) Ph.D Thesis M S University  
 Baroda , India.

Chan F T and Chang C H ( 1976 ) Phys Rev A 14 189.

Clementi E and Roetti C ( 1974 ) At Data Nucl Data Tables  
14 No. 3 - 4.

Crooks G B and Rudd M E ( 1972 ) Bull Am Phys Soc  
17 131.

Cox H L and Bonham R A ( 1967 ) J Chem Phys 47 2599.

Das J N ( 1979 ) Phys Lett A 69 405;  
 ( 1978 ) J Phys B 11 L 195.

Das J N and Biswas A K ( 1980 ) Phys Lett A 69 405 ;  
 ( 1981 ) J Phys B 14 1363.

Das J N and Saha N ( 1981 ) J Phys B 14 2657 ;  
 ( 1982 ) Pramana 18 397.

de Heer F J Mc Dowell M R C and Wagennar R W  
 ( 1977 ) J Phys B 10 1945.

Dhal S S ( 1982 ) Ph D Thesis Meerut University,  
Meerut.

Franco V ( 1971 ) Phys Rev Lett 26 1088 .

Furness J B and Mc Carthy I E (1973 ) J Phys B 6  
2280.

Ghosh A S ( 1977 ) Phys Rev Lett 38 1065.

Gien T T ( 1981 ) J. Chem Phys 74 3265.

Glauber R J ( 1959 ) Lectures in theoretical Phys  
Interscience.

Gradshteyn I S and Ryzhik I M ( 1965 ) Tables of  
Integrals, Series and Products, Academic  
Press.

Gregory and Fink ( 1974 ) At Data Nucl Data  
Tables 14 39 ; (1975 ) J.Phys B 8 L 310.

Gerjoy E and Thomas B K ( 1974 ) Rep. Prog. Phys 37  
1345.

Guha S and Ghosh A S ( 1977 ) Ind J. Phys 53 B 163.

Holt A R and Moisiowitz B L (1968) J. Phys B 1 36.

Ishihara T ( 1978 ) Ann Phys 110 180.

Jansen R H J de Heer F J Luyken H J Wingerden B Van  
and Blauw H J ( 1976 ) J. Phys B 9 185.

Jhanwar B L and Khare S P ( 1976 ) J. Phys B 9 L 527.

Jhanwar B L Khare S P and Singh M P ( 1978a )  
Prog Theor Phys 59 1 ; ( 1982 ) J. Phys  
B 15 4239.

Jhanwar B L Khare S P and Kumar A ( 1978b ) J. Phys  
B 11 887

Joachain C J ( 1975 ) Quantum Collision Theory North  
Holland Publishing Company Ltd Oxford ;  
( 1980 ) Atomic and Molecular Processes in  
Controlled Thermonuclear Fusion ed. by M R C  
Mc Dowell and A M Ferendeci ( Plenum Press  
N Y ) 147 ; ( 1977 ) Comm At Mol Phys 6 69.

Kaushik Y D Khare S P and Kumar A ( 1983 ) J Phys B 16  
3609.

Kaushik Y D Khare S P and Haj D ( 1982 ) Ind J Pure  
and Appl. Phys 20 446.

Kessler J ( 1982 ) Comm At Mol Phys 12 53.

Khare S P and Kumar A ( 1978 ) Pramana 10 63.

Khare S P and Raj D ( 1979 ) J. Phys B 12 L 351 ;  
( 1980 ) J Phys B 13 4627.

Khare S P Kumar A and Lata K ( 1982 ) Indian J. Pure  
and Appl Phys 20 379 ; ( 1983 ) J Phys B 16  
4419.

Kusum Lata ( 1984 ) Ph D Thesis Meerut University,  
Meerut India.

Kingston A E and Walters H R J ( 1980 ) J. Phys B 13  
4633.

LaBahn R W and Callaway J (1969) Phys. Rev. 180 91  
Lane N F ( 1980 ) Rev Mod Phys 52 29.

Lucas C B and Mc Carthy I E ( 1978 ) J. Phys B 11 L 307.

Massey H S W and Burhop E H S ( 1969 ) Electronic and  
Ionic Impact Phenomena ( Clarendon, Oxford )  
Vol. 1, Vol. 2.

Mc Carthy I E Noble C J Philips B A and Turnbull A D  
( 1977 ) Phys Rev A 15 2173.

Moischiwitsch B L and Smith S J ( 1968 ) Rev Mod Phys  
40 238.

Mott N F and Massey H S W ( 1965 ) Theory of Atomic  
Collisions ( Oxford ).

Mukherjee A and Sural D P ( 1979 ) J. Phys B 12 2201.

Rao N S and H S Desai ( 1981 ) Pramana 17 309 ;  
( 1983 ) Journal of M S U of Baroda XXXI - XXXII  
39 ; ( 1983a ) current Science 52 480;

- (1983b) Indian J. Pure and Appl Phys 1 159.
- Rudge M R H ( 1968 ) Rev Mod Phys 40 564.
- Sarkar K Saha B C and Ghosh A S ( 1973 ) Phys Rev A 8 236.
- Schwenke D W Thirumalai D and Truhlar D G ( 1983 )  
Phys Rev A 28 3258.
- Singh S N and Tripathi A N ( 1980 ) Phys Rev A 21 105.
- Staszewska G, Schwenke D W and Truhlar D G ( 1984 ) Phys  
Rev A 29 3078.
- Tayal S S ( 1983 ) Pramana 20 451 ; ( 1984 ) Can.J.Phys  
62 198.
- Tayal S S Tripathi A N and Srivastava M K ( 1979 )  
J.Phys B 12 L 167 ; ( 1980 ) Phys Rev A 22  
782 ; ( 1981 ) ibid 24 1817.
- Tenney A and Yates A C ( 1972 ) Chem Phys Lett 17 324.
- Teubner P J O Buckman S J and Noble C J ( 1978 )  
J.Phys B 11 2345.
- Thomas B K and Gerjuoy E ( 1971 ) J Maths Phys 12 1567.
- Thomas B K and Chan F J ( 1973 ) Phys Rev A 8 252.
- Vanderpoorten R ( 1975 ) J.Phys B 8 926 ; ( 1976 ) J Phys  
B 9 L 535.

Van Wingerden B Weigold E de Heer F J and Nygaard (1977)  
J. Phys. B 10 1345.

Veselov M G Antonova I M Brattsev V F and Kirilova  
I V ( 1961 ) Opt Spektrosk 10 693.  
( Eng. Transl Opt Spectrosc 10 367 ).

Vijay Shri ( 1985 ) Ph D Thesis Meerut University  
Meerut India.

Wadehra J M ( 1982 ) Can J Phys 60 61

Wallace S J ( 1973 ) Annals of Physics 78 190.

Walters H K J ( 1973 ) J. Phys B 6 1003 ; ( 1976a )  
Comm At Mol Phys 5 173 ; ( 1976b )  
J. Phys B 9 227 .

Williams J F ( 1975 ) J. Phys B 8 2191 ; ( 1976 ) J. Phys  
B 9 1529.

Williams W and Trajmar S ( 1978 ) J. Phys B 11 2021.  
Wintens K H, Clerk C D, Bransden B H and Coleman J P ( 1974 ) J. Phys B 7 788  
Yates A C ( 1973 ) Chem Phys Lett 21 37 ; ( 1974 )  
Phys Lett 25 480 ; ( 1979 ) Phys Rev A 19  
1550.

Yadav A K P and Roy D N ( 1987 ) J. Phys B 20 3457.