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Educational Background :

- Class 12 (AISSSE) CBSE Board, The Air Force School, Subroto Park, N. Delhi. Aggregate- 82.5% PCM – 86.78%
- BSc (Hons.) Physics from Delhi University Aggregate – 79.5%
- M.S. and PhD in Physics from Vanderbilt University, Nashville, Tennessee, USA. GPA: 3.866/4.000
- CSIR-NET -qualified in Dec. 1995
- State Eligibility Test, Pune University - qualified in Nov. 1995.

Fellowship and Research :

- Awarded Fellowship to do research at the Argonne National Laboratory, Chicago, USA
- Worked on the installation of the Fragment Mass Analyser and later participated in numerous experiments in experimental nuclear physics using the Fragment Mass Analyser
- My dissertation was on the in-beam studies of high spin states in ^{182}Hg and ^{183}Hg.

Professional Experience :

- Teaching Assistant Dept. of Physics, Vanderbilt University, Nashville, Tennessee, U.S.A. (1987-1990)
- Research Associate - March1995-Oct. 1995
  Dept. of Applied Physics, Guru Nanak Dev University, Amritsar.
- Lecturer – Jan. 1997 – Oct. 1999 SGTB Khalsa College, Delhi University, Delhi
- Lecturer Oct. 1999- Oct. 2003 Dept. of Physics, Panjab University, Chandigarh
- Senior Lecturer Oct. 2003 – Oct. 2007 Dept. of Physics, Panjab Univ. Chd
- Lecturer Selection Grade Nov. 2007 – Nov. 2010
  Dept. of Physics, Panjab Univ. Chd.
- Associate professor Nov. 2010 onwards
  Dept. of Physics, Panjab Univ, Chd

LIST OF PUBLICATIONS

1. "Prolate-oblate band mixing and new bands in ^{182} Hg"

   K.S.Bindra, P.F.Hua, B.R.S Babu, C. Baktash, J. Barreto, D.M. Cullen, C.N. Davids, J.K. Deng, J.D. Garrett, M.C. Halbert, J.H. Hamilton, N.R. Johnson, A.Kirov, J.Kormicki, I.Y.Lee, W.C. Ma, F.K McGowan, A.V.Ramayya, D.G. Sarantitis, F.Soramel and D.Winchell

   Phys. Rev. C 51 (1995) 401.

2. " Identification of ^{183} Hg; identical bands in $^{183, 185}$, Hg"

   K.S.Bindra, A.V.Ramayya, W.C. Ma, B.R.S Babu, J.H. Hamilton, L.Chaturvedi, J.Kormicki, R.V.F. Janssens, C.N. Davids, I.Ahmad, M.P. Carpenter, W. Chung, D.Henderson, R.G. Henry, T.L. Khoo, T.Lauritsen, Y.Liang, H. Penttila, F.Soramel, C.Baktash, W.Nazarewicz and J.A. Sheikh.

   Phys. Lett. B 318 (1993) 41.

3. "Yrast isomers in exotic N=81 nucleus ^{151}Yb studied using Fragment Mass Analyser"

   D.Nisius, B.Fornal, I.G. Bearden, R.Broda, R.H. Mayer, Z.W. Grabowski, P.J. Daly, C.N. Davids, I.Ahmad, B.B. Back, **K.S.Bindra**, M.P. Carpenter, W. Chung, D.Henderson, R.G. Henry, R.V.F. Janssens, T.L. Khoo, T.Lauritsen, Y.Liang, F.Soramel, A.V.Ramayya.

   Phys. Rev. C 47 (1993) 1929

4. " Startup of Fragment Mass Anayser at ATLAS"

   C.N. Davids, B.B. Back, **K.S.Bindra**, D.Henderson, W.Kutschera, T.Lauritsen, Y.Nagame, P.Sugathan, A.V.Ramayya, and W.B.Walters.

   Nucl. Instr. And Meth . B 70 (1992) 358

5. " Investigation of proton rich Platinum isotopes with the Fragment Mass Analyser at ATLAS"

   K.S.Toth, C.N. Davids, B.B. Back, R.R.Betts, **K.S.Bindra**, C.R.Bingham, W. Chung, M.Freer, J.Gehring, D. J Henderson, W.Kutschera, T.Lauritsen, D.M.Moltz, A.V.Ramayya, J.D.Robertson, and W.B.Walters.

   Proc. 6th Int. Conf. on Nuclei far from stability, Bernkastel-Kues, 1992.

6. "First results from Fragment Mass Analyser at ATLAS"

   C.N. Davids, I. Ahmad, B.B. Back, I.G. Bearden, R.R. Betts, **K.S. Bindra**, C.R. Bingham, D.J. Blumenthal, R. Broda, M.P. Carpenter, P. Chowdhury, W. Chung, B. Crowell, P.J. Daly, B. Fornal, S.J. Freeman, M. Freer, J. Gehring, Z.W. Grabrowski, D.J. Henderson, R.G. Henry, R.V.F. Janssens, T. Lauritsen, Y. Liang, C.J. Lister, R.H. Mayer, D.M. Moltz, D. Nissius, A.V. Ramayya, J.D. Robertson, F. Scarassara, P. Spolaore, F. Soramel and W. B. Walters.

   Proc. 6th Int. Conf. on Nuclei far from stability, Bernkastel-Kues, 1992.

7. "First Identification of in-beam gamma rays in $^{181, 183}$Hg"

K.S. Bindra, W.C. Ma, B.R.S. Babu, A.V. Ramayya, J.H. Hamilton, L.Chaturvedi, J. Kormicki, R.V.F. Janssens, C.N. Davids, I. Ahmad, I.G. Bearden, M.P. Carpenter, W. Chung, D.J. Henderson, R.G. Henry, T.L. Khoo, T. Lauritsen, Y. Liang, H. Penttila and F. Soramel.

APS meeting 12-16 April 1993, Washington D.C.

8. "Collective structures in ^{182}Hg"

B.R.S. Babu, **K.S. Bindra,** W.C. Ma, J.K. Deng, A.V. Ramayya, J.H. Hamilton, L.Chaturvedi, J. Kormicki, I.Y. Lee, J.D. Garrett, N.R. Johnson, D. Winchell, Mm. Halbert, C. Baktash and C.N. Davids.

APS meeting 12-16 April 1993, Washington D.C.

9. "Identification of in-beam gamma rays in ^{181}Hg"

D.T. Shi, W.C. Ma, B.R.S. Babu, A.V. Ramayya, **K.S. Bindra**, J. H. Hamilton, J. Kormicki, L.T. Brown, C.N. Davids, R.V.F. Janssens, H. Pentilla, B. Back, D. J. Blumenthal, B. Crowell, R.G. Henry, T. Lauritsen, D. Nisius and U. Garg.

APS meeting 26-29 Oct. 1994, Williamsburg, Virginia.

10. "Use of research based strategies to make classroom teaching effective"

K.S. Bindra, Anubha Mathew and Swinky Dhingra

Submitted to Panjab University Science Journal (Science)

11. "Common misconceptions in mechanics, electricity and magnetism

Swinky Dhingra and **K.S. Bindra**IAPT Bulletin, Volume 25, Number 4, page 138, April 2008

12. "Make learning stimulating"

Kanwarjit Bindra The Tribune, Oped Education, Oct. 10, 2011