CURRICULUM VITAE OF Dr. RAJEEV K. PURI

{Jan 2010}

Name: Rajeev Kumar Puri
Date/Place of Birth: June 8, **1966 /**Nadaun, District Hamirpur, HImachal Pradesh, India.
Field of Research: Theoretical Nuclear & Intermediate Energy Physics, Computational Physics.
Permanent Position: **Associate Professor of Nuclear Physics**, Panjab University, Chandigarh, India.

☼ Prestigious International/National Awards/Honours Conferred:

- Award of **INDO-FRENCH INTERNATIONAL project** funded by French and Indian Governments. First Phase Grant 72 Lakhs, Jan 2010 in operation.
- Appointed **Referee by American Physical Society** for its hallmark journals like Review of Modern Physics, Physical Review Letters, Physical Review C etc, 2009.
- Covet **S. N. SATYAMURTHY MEMORIAL AWARD conferred** by the Indian Physics Association - apex body of physicists for the work in ***"Theoretical Nuclear Physics at Intermediate Energies"***. The award carries cash prize & citation (May 2000).
- The Prestigious **YOUNG SCIENTIST RESEARCH AWARD** of the **Department of Atomic Energy**, Govt. of India, conferred by the Board of Research in Nuclear Sciences (BRNS), Dept of Atomic Energy, Government of India. This award carries a research grant (March 1996).
- Felicitated by the **Syndicate (Highest Governing Body**) of Panjab University for Research Achievements at International Level, May 2009.
- Among finalists for **INSA Gold medal**, nominated for **B.M. Birla Science** Prize & **Bhatnagar Sc Prize.**

☼ Administrative Appointments:

- **Member** of *the Governing Body of State Council for Science, Technology and Environment, Himachal Pradesh* under the chairmanship of **Prof. P.K. Dhumal**, Chief Minister, Himachal Pradesh **,** for the periods 2000-2001 and 2001-2003.
- **Hon. Director**, Engineers Valves and Cock Industry, Jallandhar since 1995.

☼Community Services :

- Community Observer (Police Marshal), Chandigarh Police, 2007.

On the Panel of Referees:

- ***Fizika A & B*** Journal of Physics, Croatia, ***Pramana*** Journal of Physics, India.
- ***Advances in Applied*** Research journal of Physics , India
- ***Energy, Engineering and Economics Policy, Florida, USA.***
- ***Board of Research in Nuclear Sciences***, Department of Atomic Energy, Govt. of India.
- ***SERC, Department of Science & Technology,*** Government of India.
- ***Expert (Physics***), Technical Education, Govt of Haryana, India 2007.

- ***Ph.D. Thesis Examiner,*** Himachal Pradesh University Shimla & , Saha Institute for Nuclear Physics, Calcutta.

☼ Scientific Research Publications:

- **Books (edited):…….. 02**
- **International / National Journals:…….. 80**
- **International / National Conferences:…..…….. 196**
- **Submitted to International Journals : ……. 11**

TOTAL 289

☼ Quality of Research Work:

Total Citations: 849

H _Factor of publications : 16

[Reference Value : 10–12 for tenure position at major US universities; 18 a full professorship, 15–20 could mean a fellowship in the American Physical Society]

Top cited paper with citation 124

No of publications with Impact factor 3+ 57

Total Academic Performance Indicator (API) points ……. 1434

[University Grant Commission of India, Govt of India]

Reference valve:

[Full Professor in University: 400; Senior Professor with 10 years experience 900]

- ✓ **Published in most of Countries leading in Science around the world.**
- ✓ **Cited by Scientists from most of major research Groups around the Globe.**
- ✓ **Ph.D./ M.Phil/ MSc Thesis supervised/supervising ……. 25**
- ✓ **International and National Research Projects handled . 9**
- ✓ **Merit Positions/Prize/Honors ……. 29**
- ✓ **Conference Organized …… 06**
- ✓ **Seminar/Talks Delivered …….. 37**
- ✓ **Member of Large no of committees**

☼ **Collaborations** Subatech, Nantes, France**,** Inst fur theor Physics, Tubingen, Germany, Thapar Univ, Patiala, & BARC, Mumbai.

☼ Ph.D. Thesis Supervised / Supervising :

1. **Manoj K. Sharma** –Thesis title "*Theoretical Study of Heavy Ion Collisions at Low and Intermediate Energies*". Degree awarded in May, 1999.

2. **Suneel Kumar** — Thesis title *"Theoretical Study of Multifragmentation in Intermediate Energy Heavy Ion Collisions*". Degree Awarded in January, 2000.

3. **Jaivir Singh** — Thesis title *"Clustering in Heavy Ion Collisions: Dynamical Microscopic Theory versus Experiments* ". Degree Awarded in April 2002.

4. **Rashmi Arora** — Thesis title "*Energy Density Formalism for Studying Heavy Ion Fusion Reactions"*. Degree Awarded in August 2003.

5. **Amandeep Sood** – Thesis title "*Disappearance of Flow in Heavy Ion Collisions"* . Degree awarded in August 2006. **Bagged National award for Best Ph.D.**

6. **Narinder Kumar** — Thesis title *" Formation and Decay of Compound Nuclei Using Microscopic Theory"*. Degree awaded in Sept 2008.

7. **Jatinder Dhawan** – Thesis title "*Multifragmentation in Heavy Ion Collisions: Role of Nuclear Flow and Momentum Correlations"* Degree awarded in Sept 2008.

8. **Rajeev Chugh** – Thesis title Thesis title " *A Study of Nuclear Flow, Global Stopping and Thermalization in Heavy Ion Collisions at Intermediate Energies. "*. Working August 2003.

9. **Yogesh Vermani**- Thesis title " *Dynamical Study of Multifragmentation & Related Phenomena in Heavy Ion Collisions*". working since August 2004

10 **Ishwar Datt** - Thesis title " *Systematic Study of Heavy Ion Colls at Low Energies"* since Jan, 2007

11 **Varinder Kaur** Thesis title *" Influence of Nucleon-Nucleon Collisions on Multifragamentation and Nuclear Flow*" Working since March 2008

12 **Supriya Goyal** Thesis title " *Study of Stability of Nuclei, Flow and Multifragmentation in Heavy Ion Collisions* " working since July 2008

13. **Sakshi Gautum** " Working on IQMD model " since Sept 2009.

☼ M.Phil Thesis:

1. Sukhjeet Kaur " *Peak Mass Dependence of Fragmentation and Associated Properties in*

Heavy Ion Collisions at Intermediate Energies. Oct 2009

2. Maninder Kaur — " *A Theoretical Study of Fusion Probabilities Using Proton /Neutron Rich Nuclei*" Oct 2009.

☼ M.Sc. Thesis:

3. Amandeep Sood — Project title "*Collision Dynamics at Intermediate Energy*", April 2001.
4. Pooja Sharma — Project title *" Mass Dependence in Heavy Ion Collisions*" – April 2002.
5. Anita Rangi — Project Title " *Theoretical Study of the Effect of Neutron Skin on Fusion Probabilities and Comparison with experimental Data*" – April 2003.
6. Shalini Sharma --- Project title " *Analytical study of Fusion barriers*" ---April 2005.
7. Shivali Tondan ---- Project Title" *Fusion Dynamics with Generalized Proximity Potential*"- April 2006.
6. Meenu Sharma ---- Project title" *Nuclear Equation of State and Multifragmentation*" - April 2007.
7. Supriya Goyal __ Project title "*Stability of Nuclei with Momentum Dependent Interactions*" – April 2008.
8. Sakshi Gautam ___Project title" *Spin Density Contribution to Fusion barriers* – April 2009.
9. Rajni Sharma ___Project title " *Evolution of Heavy Ion Collisions* " 2010
10. Manveer Kaur ----- Project title" *Low Energy Dynamics* " 2010

☼ Experience / Employment:

1. Junior Research Fellowship of Department of Science and Technology (DST), Physics Department, Panjab University, Chandigarh, *1987-1989.*

   (Also awarded Jr Research Fellowship in Dept of Atomic Energy Research Project, 1987).

2. Senior Research Fellowship of Department of Science and Technology (DST), Physics Department, Panjab University, Chandigarh, *1989-1991.*
3. Senior Research Fellowship of Council of Scientific and Industrial Research, Physics Department, Panjab University, Chandigarh, *1991.* (The fellowship was for two years, but resigned in August 1991).
4. Post-Doctoral position with *Prof. Amand Faessler*, Institut fur Theoretische Physik, Universitat Tubingen, D-72076 Tubingen, **Germany,** *1991-1994*.
5. Visiting scientist's position with *Prof. Jorg Aichelin*, Laboratoire de Physique Nucleaire, Universite de Nantes, F-44072, Nantes Cedex 03, **France**, *1994-1995.*
6. Lecturer-in Physics, Panjab University, Chandigarh, India, *August 1995- August 1999*.
7. Senior-Lecturer in Physics, Panjab University, Chandigarh, India, *August 1999–August 2004.*
8. *Associate Professor of Physics, Panjab University, Chandigarh, India August 2007-till date.*

☼ Visiting Positions held Abroad:

1. Post-Doctoral position with *Prof. Amand Faessler,* Institut fur Theoretische Physik, Universitat Tubingen, Tubingen, **Germany**, September 1991- August 1994.
2. Guest Visitor, SUBATECH, Ecole des Mines, Nantes, **France**, July 18 – 23, 1994.
3. Visiting scientist's position with *Prof. Jorg Aichelin*, Laboratoire de Physique Nucleaire, Universite de Nantes, Nantes, **France**, November 1994 -August 1995.
4. Guest Visitor, SUBATECH, Ecole des Mines, Nantes, **France**, Dec. 21st ,1995-Jan. 31 '96.
5. Guest Visitor, SUBATECH, Ecole des Mines, Nantes, **France**, May 30th -July 31, 1996.
6. Senior Asstt. Professor, SUBATECH, Ecole des Mines, Nantes, **France,** May 15th - August 15th , 1998.

☼ Merit Positions / Prizes / Honors:

1. Distinctions and Merit in Matriculation exams. of H. P. Board of School Education, Shimla.
2. Merit Certificate and prize for standing first at college in B.Sc. II, D.A.V. College, Kangra.
3. 9th position in B.Sc. examinations of Himachal Pradesh University, Shimla.
4. Merit Certificate and prize for standing 9th in B.Sc. exams. of H. P. University, Kangra.
5. 3rd position in M.Sc. (Physics) examination of Himachal Pradesh University, Shimla.
6. Several awards / prizes / trophies won in academic and extra co - curricular activities. This includes merit awards in annual prize distribution functions, quiz, tournaments of, district School Sports Associations etc
7. Distinction in Combined Annual Training Camp (Army Wing), Amb 1980. Passed Junior Division (Army Wing, Ministry of Defense), Part I and Part II examinations, 1980.
8. Invited by Prof. J.P. Bondorf to visit *Neils Bohr Institute*, **Denmark** for one month, 1997.
9. Invited by Prof. W. Bauer to visit *Michigan State University*, **U.S.A**. for one month, 1997.
10. Invited by Prof. Joerg Aichelin to visit *SUBATECH, Nantes*, **France** for two months, 1997.
11. Selected speaker under Theoretical Physics Seminar Circuit program for 1998-2000.
12. Awarded Senior Common Wealth Fellowship to work with *Prof. R.C. Johnson*, University of Surrey, **United Kingdom**, for one year, 1998.
13. Awarded the INFN (National Institute for Nuclear Physics, Italy) fellowship to work with *Prof. M. Ditoro*, Catania, **Italy** for two years 1998.
14. Invited to deliver FIVE lectures on Equation of State in *III SERC School on Nuclear Physics,* VECC, Calcutta, India, Nov. 1998.
15. Awarded Senior Asstt. Professorship of *Ecole des Mines de Nantes*, SUBATECH, **Nantes**, **France** for two months, May, 1999.
16. Research paper awarded second best poster prize in 42nd DAE Symposium on Nuclear Physics held during December 27-31,1999 at Panjab University, Chandigarh
17. Awarded visiting professorship by *Belgian Foundation of Scientific Research* for the period of One year with *Prof. J. Cugnon,* University of Leige, **Belgium** , 2000.
18. Awarded Senior Asstt. Professorship of *Ecole des Mines de Nantes*, SUBATECH, Nantes, France for two months January 2000.
19. Free membership of *United Physical Society of the Russian Federation*, **Russia** , 2002
20. Free membership of *EuroScience - A **European Association** for the Promotion of Science and Technology,* 2002, 2003, 2004, 2005,2006.
21. My Ph.D. student Dr. Aman Deep Sood was awarded Best Ph.D. Thesis presentation award in Nuclear Physics at national level for the year 2006 by Indian Physics Association.
22. Research paper awarded 3rd best poster prize in 1st Chandigarh Science Congress held during March 10-11, 2007 at Panjab University, Chandigarh.
23. Evaluator for oral presentations, Orientation Course, Academic Staff College, Panjab Univ, 2007.
24. Judge for Model evaluation, Science Day Celebrations, Panjab University, Chandigarh, 2008

☼ Scholarships held in India:

1. *Middle School Merit Scholarship* of Education Deptt, HP Govt, GH School, Joginder Nagar, 1976-1979.
2. *National Merit Scholarship* of Education Deptt, H P Govt, Govt. High School, Joginder Nagar, 1979-1981.
3. *Science Scholarship* of Education Deptt, H P Government, Govt. High School, Joginder Nagar, 1979.
4. *Poverty-cum-Brilliance Scholarship* of Education Deptt H P Govt, D.A.V. College, Kangra, 1981-1985.
5. *National Merit Scholarship* of Education Department, Himachal Pradesh Government, Physics Department, H. P. University, Shimla, 1985-1987.

☼ International Research Projects:

1. Principal Investigator of the project entitled " Dynamics of Multifragmentation" funded by Indo French Center jointly by Indian and French Governments, Period 3 years. Total Grant **Rs. 72 lakhs**. Staff JRF/SRF-1, Post Doc France -1, Indian/French visits 10, Started Jan 2010.

☼ National Research Projects:

1. Project under CSIR open Senior Research fellowship "*Theory of Cluster-Decay in Heavy Ion Collisions and Related Phenomena*" Period: 2 years. Resigned in 1991. Cont: Rs. 10,000 per year **(1991-1992).**

2. Principal Investigator of Project "*Origin of Fragments in Heavy Ion Collisions from Low to Relativistic Energies*" funded by **Deptt. of Atomic Energy** under Young Scientist Research Award. Period: 3 years. Total Grant : Rs. 500,000. Staff One JRF/SRF/RA. Project completed **(1996-1999).**

3. Co-Principal Investigator of the Project "*Synthesis of New Elements and Related Phenomena using Radioactive Nuclear Beams*" funded by **Department. of Atomic Energy**, Govt. of India. Period: 4 years. Total Grant : Rs. 276,780. Staff One JRF/SRF/RA . Project completed **(1998-2002**).

4. Principal Investigator of the Project "*A Study of Nuclear Dynamics Within The Boltzmann- Uehling Uhlenbeck [BUU] model*" funded by **Council of Scientific and Industrial Research**, New Delhi. Period: 4 years. Total Grant : Rs. 450,000. Staff One JRF/SRF/RA . Project completed **(1998-2002).**

5. Principal Investigator of the Project "*Dynamics of Heavy Ion Collisions Intermediate Energies (25 MeV/nucleon – 5 GeV/nucleon) : A Detailed Study*" funded by **Department of Science and Technology, Govt of India**. Staff One JRF. Total Grant : Rs.11,00,050. Project completed **(1999-2003).**

6. Principal Investigator of the Project " Systematic in Heavy Ion Fusion Dynamics – a theoretical study " along with Dr. S . Kailas, Bhabha Atomic Research center, Mumbai, funded by the Deptt of Atomic Energy**,. Staff JRF -1** Total Grant: Rs. 6,59,250 Project completed (**2006-2009)**.

7. Principal Investigator of the project " Development of Extended Simulated Annealing Clusterization Algorithm & study of Multi fragmentation in Heavy Ion Collisions" funded by **Council of Scientific and Industrial Research,** New Delhi, Total Grant: Rs.2,40,000 Project Completed **(2006-2009).**

8. Principal Investigator of the Project" Clusterization, Thermalization & Correlations in Hot and Dense Nuclear Matter" funded by **Deptt of Sc & Tech,** New Delhi. 2008 in operation Total Grant 5,61,400.

Educational Qualifications:

Degree	Board / University	Year	Division
Matriculation	H.P. Board of School Education, Shimla	1981	First
Pre-Engineering	Himachal Pradesh University, Shimla	1983	First
B.Sc. (Non-Med.)	Himachal Pradesh University, Shimla	1985	First
M.Sc.(Physics)	Himachal Pradesh University, Shimla	1987	First
Ph.D.	Panjab University, Chandigarh	1991	
Computer Course	Panjab University, Chandigarh	1989	First

☼ Teaching Experience:

- Teaching *Advanced Theo Nuclear Physics* , Nuclear Physics I & II to Post-Graduate classes since 1996.
- Teaching Theoretical Nuclear Physics , M. Phil since 2007.
- Teaching *Computer and Numerical Techniques* to Post-Graduate classes since 1995.
- Teaching *Classical Mechanics* to Post-Graduate and Undergraduate classes since 2002.
- Taught *Nuclear Physics* to B.Sc. III (HS) during 2003-2004.
- Teaching *Optics and Waves Mechanics* to undergraduate class during 1995-1996 & since 2007.
- Taught *Statistical Mechanics* to B.Sc. III 2004-2005.
- Taught *Mechanics and Statistical Physics* to B.Sc.I 2004-2005
- Teaching undergraduate/post-graduate classes in laboratory experiments since 1995 including physics and environment sciences.

☼ Conferences / Workshops Organized:

• Co Principal Investigator

INDO –US International Workshop on Recent Trends in Nuclear Structure and Reaction Mechanics Oct 4-7, 2010 Total requested funds: Rs. 25,00,000 (submitted to NSF, USA) Jan 2010.

• Conference Secretary

➢ **Seminar on *Computational Techniques in Physics***, Panjab University, Chandigarh, March 6-7, 2002. This is the first inter-disciplinary conference on Computing Techniques which was well attended by more than 100 delegates from various fields such as bio/life sciences, mathematics, physical sciences and engineering, Quantum Computing.

☼ **Joint Secretary**

1st Chandigarh Science Congress, Panjab University, Chandigarh, March 10-11, 2007. This was the first ever congress organized in the tricity and had about **1150** registered participants. The congress was having 14 sections consisting of Animal Science & Fishery, Anthropology, Biotechnology & Human Genome, Basic Medical Sciences (Biochemistry, Biophysics & Microbiology), Chemistry, Earth Sciences, Geography & Geology, Engineering Sciences, Environment Sciences, Information Technology, Mathematics & Statistics, Pharmaceutical Sciences, Physics, Plant Sciences and Psychology.

☼ **Secretary-Physics Section**

***1st Chandigarh Science Congress*,** Panjab University, Chandigarh March 10-11, 2007.
***2nd Chandigarh Science Congress*,** Panjab University, Chandigarh March 14-15, 2008.
***3rd Chandigarh Science Congress*,** Panjab University, Chandigarh Feb 26-28, 2009.

☼ **Joint-Secretary**

Diamond Jubilee Seminar " Trends in Physics", Physics Deptt, Panjab University, Chandigarh, Feb 28 - March 1, 2008.

☼ Recent Scientific and Organizational Activities:

1. **Elected Treasurer** of Panjab University Teachers Association (PUTA) (with 800 lecturers, readers and professors) for 2003-2004.
2. **Convener,** Research and Related Problems Committee , PUTA , 2003-2004 **.**
3. **Elected** to *National Executive Committee* of **Indian Physics Association, India** for 1999-2001, 2001-03 2003-2005 and , 2005-2007.
4. **Elected , Secretary,** Indian Physics Association Chandigarh Chapter, 2009- Till to date

☼ Seminars / talks delivered in India / Abroad :

1. *Spin density part of heavy ion potential and the alpha-clustering transfer effects*: Oral Presentation at Symposium on Nuclear Physics, Bombay, India, December 26-31, 1988.
2. *Calculation of HI interaction potentials using the energy density formalism for Skyrme forces:* Presentation at Symp. on Nuclear Physics, Aligarh, India, December 25-30, 1989.
3. *Analytical determination of spin density contribution to heavy-ion collisions*: Seminar delivered at Summer Study Group on Frontiers in Nuclear Physics (Department of Science and Tech.), Panjab University, Chandigarh, India, July 23rd -August 31st , 1990.
4. *Theory of cluster transfer resonances in heavy-ion reactions and the related phenomena:* Thesis presentation at Symp. on Nuclear Physics, Madras, India, December 1-4, 1990.
5. *Theory of cluster transfer resonances in heavy-ion reactions and the related phenomena*: Seminar at Inst. fur Theoretische Physik, Univ. Giessen, **Germany,** December 23, 1991.
6. *Temperature dependence of the mean field in heavy-ion reactions:* Seminar at Institute fur Theoretische Physik, University of Tubingen, **Germany**, January 18th , 1993.
7. *Temperature dependence of the mean field in heavy-ion reactions*: Short Talk at German Physical Society's meeting, Mainz, **Germany**, March 22-26, 1993.
8. *Does the temperature dependence of the mean field affect heavy-ion dynamics*?: Seminar at Physics Department, Himachal Pradesh University, Shimla, India, May 14th , 1993.
9. *How hot do nucleons feel in heavy-ion reactions*?: Seminar delivered at Physics Department Panjab University, Chandigarh, India, May 18, 1993.
10. *Role of temperature dependent realistic forces in heavy ion collisions*: Seminar at Gesellschaft fur Schwerionenforschung,(GSI), Darmstadt**, Germany**, March 9th , 1994.
11. *Application of Relativistic Quantum Molecular Dynamics at SIS energies*: Short talk at German Physical Society's meeting, Munchen, **Germany**, March 21 -25,1994.
12. *Description of heavy-ion reactions using temperature dependent realistic forces*: Seminar at Centre de Recherches Nucleaire, Strasbourg, **France**, May 26th , 1994.
13. *Evolution of the universe: heavy ion as a probe- where do we stand*?: Seminar delivered at Physics Department, Panjab University, Chandigarh, India, July 1st , 1994.
14. *Nuclear reactions at intermediate energies and the evolution of our universe*: Lecture delivered at Refresher Course, Physics Deptt., Panjab Univ., Chandigarh, Dec. 14th '95.

15. *Exploring nuclear equation of state via heavy ion reactions:* Lecture delivered at Refresher Course, Physics Department, Panjab University, Chandigarh, December 15th , 1995.
16. *Origin of fragments in central heavy ion collisions*: Invited Talk at International Nuclear Physics Symposium, Bombay, December 18-22, 1995.
17. *Origin of fragments in heavy ion collisions from low to relativistic Energies*: Seminar delivered in **Nuclear Physics Division, Bombay**, February 14th , 1996.
18. *Evolution of the universe:* Lecture delivered in 35th Orientation Course, Panjab University, Chandigarh, March 19th - April 15th , 1997.
19. *Theoretical study of heavy ion collisions*: Seminar delivered at Phys Deptt, **IIT, Kanpur**, April 25th , 1997.
20. *Extraction of NN cross-section and equation of state from heavy ion collisions*: Talk at 15th Young Physicist Coll.'97, held at SINP, Calcutta, August 21-22, 1997.
21. *The Nuclear dynamics at low, intermediate and relativistic heavy ion collisions*: Seminar at **Indian National Science Academy (INSA),** Delhi , March 17th , 1998.
22. *Fusion of nuclei at the drip line*: Invited talk at Fifth National workshop on Nuclear Structure Physics, Panjab University, Chandigarh, March 17-20, 1998.
23. *Multifragmentation and its dependence on the masses of colliding nuclei*: Oral Presentation at Nuclear Physics Symposium, **BARC, Bombay**, December 21-25, 1998.
24. *Exploring nuclear dynamics through heavy ion collisions-I*: Seminar delivered at Physics Department, Panjab University, Chandigarh, January 7th , 1999.
25. *Fusion of neutron-rich colliding nuclei- a theoretical study*: Talk delivered at Interactive Workshop on Nuclear reactions studies with Light RNB, **Nuclear Science Center, Delhi**, August 27-28, 1999.
26. *Heavy ion collisions and QMD model*: Invited Talk at Symp on Nucl Phys, Chandigarh, Dec 27-31, 1999.
27. *Theoretical studies in nuclear physics at intermediate energies*: Lecture delivered at Modular Laboratory, B.A.R.C., Mumbai, March 24th , 2000.
28. *Exploring the universe through heavy ion dynamics*: Lecture delivered in Refresher Course, Department of Physics, Panjab University, Chandigarh, June 22 -July 13th, 2001.
29. *Intermediate energy reactions in nuclear physics*: Lecture delivered in Refresher Course, Department of Physics, Himachal Pradesh University, Shimla, July 27th , 2001.
30. *Hot and dense nuclear matter and In-medium properties*: Lecture delivered in Refresher Course, Department of Physics, Himachal Pradesh University, Shimla, July 27th , 2001.
31. *The last Gem: multifragmentation*: Lecture delivered in Refresher Course, Department of Physics, Himachal Pradesh University, Shimla, July 28th , 2001.
32. *The last Gem in heavy ion physics*: multifragmentation: Invited Talk, 12th National Symposium on Solid State Nuclear Detectors, DAV College, Jallandhar, Oct, 29-31, 2001.
33. *Fusion to total Disassembly: Nuclear Simulations*: Invited Lecture in V –SERC on Nuclear Physics, February 12th -March 2nd, 2002, Panjab University, Chandigarh.
34. *Simulated Annealing Clusterization Algorithm*: Invited Talk delivered at Seminar on Computational Techniques in Physics, Panjab University, March 6-7th, 2002.
35. *From Fusion to Total Disassembly of the Nuclear Matter Formed in Heavy Ion Collisions*. Short Talk delivered in Interactive Workshop on Nuclear Structure and Reaction Theory, **Nuclear Science Center**, New Delhi, May 18th, 2002
36. *Extending the Limits of Nuclear Physics: From Low to Ultra-High Energies*: Short talk in Refresher Course in Physics, Panjab University, Chandigarh, Aug. 23rd – Sept .12th, 2002.
37. *Nuclear Physics at the extreme:* Expert lecture delivered at **Thapar Institute of Engineering** and Technology, Patiala, Panjab, April 5th, 2005.

☼ Additional Information:

➢ **Organizational Level:**

1. Life member of Indian Nuclear Society (2010)
2. Life member of Punjab Academy of Sciences (2010)
3. Life member of Indian Association of Physics Teachers, India (2001).
4. Life member of Indian Physics Association, India (1991)

➢ **University Level:**

Appointed as a member of the *Board of Post-Graduate Studies in Physics* (1.4.1997-31.3.1999 and 1.4.2001-31.3.2003, 1.4.2009-31.3.2011), *Board of under-Graduate Studies in Physics* (1.4.2001 to 31.3.2003), *Board of Control in Physics* (1.4.1997 - 31.3.1999,2006- todate), *Research Degree Committee in Physics* (1.1.2000 - 31.12.2001, 1.1.2007-31.12.2009), Central Library Committee (1.4.2006-31.3.2008), Head Examiner, sub-examiner, paper setter for large number of examinations of Panjab university and other several universities, subject expert for selection of lecturers, Gurunanak Girls College, Ludhiana, 2009, Member on Security Comm, Panjab Univ. 2007.

➢ **Departmental Level:**

Appointed as a Member of academic committee (1996, 2003 & 2008), administrative committee (1997, 2001, 2004, 2006 & 2009), technical committee (1998,2004,2007, 2010), Secretary, academic committee (1999, 2005), Secretary, technical committee (2002), Committee for Diploma in Advanced Scientific Computation (2000-2002), Committee for Post-Graduate Studies(2002-2004, 2008 till date), Committee for Undergraduate Studies (2005-2008), In-charge, Computer teaching and facilities (1998-2006), Member admission Committee (2005,2006), In-Charge Research and Ph.D. program (Physics), 2007-onwards, Space Allocation Committee(2007), Infra structure Development Committee(2007 –till date), seminar committee (2007-til date), High Performance Computer Center, Physics Deptt, 2009.Developed several curriculum for undergraduate and post graduate courses, Comm of High Impact Factor of Journals (2010) .

☼ Long term Courses:

1. International School on Nuclear Physics; 14th Course: Heavy Ion Collisions at Intermediate and Relativistic Energies, **Erice, Italy**, September 7-16, 1992.
2. International Workshop " Gross Properties of Nuclei and Nuclear Excitations " XXII, Hirschegg, Kleinwalsertal, **Austria**, January 17-22, 1994.
3. 35th Orientation Course, Panjab University, Chandigarh, March 19- April 15, 1997.
4. Refresher Course in Physics, Panjab University, Chandigarh, June 23- July 13, 2001.
5. Refresher Course in Physics, Panjab University, Chandigarh, August 23-Sept. 13, 2002.

• **Member Conferences:**

➢ Local organizing committee of (i) *5th National Workshop on Nuclear Structure Physics*, (March 17-20, 1998), *DAE Symp. On Nuclear Physics,* (December 27-31, 1999), *8 UD Pelletron* at Panjab University (June 14-16, 2000), *XV Annual Convention of Indian Association of Physics Teachers (* Nov. 2-4, 2000), ***All India Vice-Chancellor's*** *Conference, Association of Indian Universities (* Dec. 5-8, 2001) & *V –SERC School of Nuclear Physics(* Feb.12- March 2, 2002), **Indian National Science Association** (Jan. 3-8, 2004).

List of Publications:

Books:

1. "***Radioactive Ion Beams and Physics of Nuclei Away From the Line of Stability***"
   (V-Th SERC School, Panjab University, Chandigarh).

   Editors: **I.M. Govil and Rajeev K. Puri**
   (M/S Phoenix Publication Pvt. Ltd, New Delhi) , Nov. 2003.

" This publication contains lectures delivered by the experts from different parts of the country on the new emerging field of radioactive ion beams and nuclei away from the line of stability and related topics. This volume deals exclusively on Hartree-Fock and Hartree-Fock Bogoliubov theory, Relativistic Mean Field, The Shell Model in the context of radioactive ion beams, Super Heavy and exotic nuclei away from the line of stability, Solar and neutron stars, Radioactive Ion Beams, Computations methods for elastic & inelastic scattering, statistical model and Monte Carlo Simulations and therefore, is a guide book for beginners as well as to the advance researchers in the field"

Total pages	300
Price	Rs. 850.00

2. ***" Science and Technology for the Emerging Needs of Society"***
   (Abstract Book Vol 1A, 1st Chandigarh Science Congress)

Editors : **Nirmal Singh, Rajeev K. Puri, I.S. Dua and R.K. Singla**

This book contains the abstracts presented in the 1st Chandigarh science congress. Total number was 369 with 14 sections consisting of Animal Science & Fishery, Anthropology, Biotechnology & Human Genome, Basic Medical Sciences (Biochemistry, Biophysics & Microbiology), Chemistry, Earth Sciences, Geography & Geology, Engineering Sciences, Environment Sciences, Information Technology, Mathematics & Statistics, Pharmaceutical Sciences, Physics, Plant Sciences and Psychology.

Journals (International and National):

1. *Clustering Phenomena in Radioactive and Stable Nuclei and in Heavy-Ion Collisions*
S.S Malik, S. Singh, R.K. Puri, S. Kumar and R.K. Gupta
Pramana Journal of Physics **32** (1989) 419-433.

2. *Possible Decay Modes of the ^{80}Zr Nucleus*
R.K. Puri, S.S. Malik and R. K. Gupta
Europhysics Letters **9(8)** (1989) 767-771.

3. Spin Density Contribution in Heavy-Ion Interaction Potentials Using Energy Density Formalism.
R.K. Puri, P. Chattopadhyay and R.K. Gupta
Physical Review **C43** (1991) 315-324. [USA]

4. *Comment on " Fusion Cross-Section of $^{16}O + ^{48}Ca$, $^{40}Ca + ^{48}Ca$ and $^{40}Ca + ^{60}Ni$ using Skyrme Force*"
R.K. Puri and R.K. Gupta
Journal of Physics G: Nuclear and Particle Physics **17** (1991) 1933-1941. [UK]

5. *Theory of Cluster Transfer Resonances in Heavy-ion Reactions and Related Phenomena*
R.K. Puri
Research Bulletin Panjab University**, 42** (1991) 130-132.

6. *Fusion Barriers using the Energy Density Formalism : Simple Analytical Formula and the Calculation of Fusion Cross-Sections*
R.K. Puri and R.K. Gupta
Physical Review **C45** (1992) 1837-1849. [USA]

7. *Alpha-Cluster Transfer Process in Colliding s-d Shell Nuclei using the Energy Density Formalism*
R.K. Puri and R.K. Gupta
Journal of Physics G: Nuclear and Particle Physics **18** (1992) 903-915. [UK]

8. *Influence of the Nuclear Surface Diffuseness on Exotic Cluster-Decay Half-Life Times*
R.K. Gupta, S.Singh, R.K. Puri , A. Sandulescu, W. Greiner and W. Scheid
Journal of Physics G: Nuclear and Particle Physics **18** (1992) 1533-1542.[UK]

9. *In-Medium Effects in Description of Heavy-Ion Collisions with Realistic NN Interactions*
D.T. Khoa, N. Ohtsuka, M.A. Matin, A. Faessler, S.W. Huang, E. Lehmann and R.K. Puri
Nuclear Physics **A548** (1992) 102-130. [NORTH HOLLAND]

10. *Analytical Formulation of the Ion-Ion Interaction Potential Including Spin Density Term in Energy Density Formalism*
R.K. Puri and R.K. Gupta
International Journal of Modern Physics E **1** (1992) 269-299 [SINGAPORE].

11. *Subthreshold K^+ Production in 1 GeV/u $^{197}Au+^{197}Au$ Collisions*
S.W. Huang, A. Faessler, G.Q .Li, R.K. Puri, E. Lehmann, D.T. Khoa, and M.A. Matin
Physics Letters **B298** (1993) 41-45. [NORTH HOLLAND]

12. *Instabilities against Exotic Cluster Decays in "Stable" Nuclei with Z and N in the Neighborhood of Spherical and Deformed Closed Shells*
R.K. Gupta, S. Singh, R.K. Puri, and W. Scheid
Physical Review **C47** (1993) 561-566.[USA]

13. *Relativistic versus Nonrelativistic Quantum Molecular Dynamics*
E.Lehmann, R.K. Puri, A. Faessler, T.Maruyama, G.Q.Li, N.Ohtsuka, S.W. Huang, D.T. Khoa and M.A. Matin,
Progress in Particle and Nuclear Physics **30** (1993) 219-228.[UK]

14. *Quantum Molecular Dynamics and Particle Production in Heavy-Ion Collisions*
S.W. Huang, A. Faessler, G.Q. Li, Dao T. Khoa, E. Lehmann, M.A. Matin, N. Ohtsuka and R.K. Puri
Progress in Particle and Nuclear Physics **30** (1993) 105-114.[UK]

15. *Does the Reduction of the Mass in the Medium Enhance the Production of Antiprotons in High Energy Nuclear Reactions?*
G. Batko, A. Faessler, S.W. Huang, E. Lehmann and R.K. Puri
Journal of Physics G: Nuclear and Particle Physics **20** (1994) 461-468.[UK]

16. *Temperature – Dependent Mean Field and its Effect on Heavy Ion Reactions*
R.K. Puri, N. Ohtsuka, E. Lehmann, A. Faessler, M.A. Matin, D.T. Khoa, G. Batko and S.W. Huang
Nuclear Physics **A575** (1994) 733-765.[NORTH HOLLAND]

17. *Study of Non-Equilibrium Effects and Thermal Properties of Heavy-Ion Collisions using a Covariant Approach*
R.K. Puri, E. Lehmann, A. Faessler and S.W. Huang
Journal of Physics G: Nuclear and Particle Physics **20** (1994) 1817-1828.[UK]

18. *Relativistic Versus Non-relativistic Transport Theories*
E. Lehmann, R.K. Puri, A. Faessler, G. Batko, S.W. Huang, N. Ohtsuka , A.S. Raghwa Multi-Particle Correlations and Nuclear Reactions (1994) 169-181 [World Scientific Publishing Company Singapore**. ISBN-981-02-2118-5**].

19. *Comparison of Different Skyrme Forces: Fusion Barriers and Fusion Cross-Sections*
R.K. Puri and R.K. Gupta
Physical Review **C51** (1995) 1568-1571.[USA]

20. *Relativistic Effects in Heavy-Ion Collisions at SIS Energies*
R.K. Puri, E. Lehmann, A. Faessler and S.W. Huang
Zeitschrift fur Physik **A 351** (1995)59-69. [GERMANY]

21. *Consequences of a Covariant Description of Heavy-Ion Reactions at Intermediate Energies*
E. Lehmann, R.K. Puri, A. Faessler, G. Batko and S. W. Huang
Physical Review **C 51** (1995) 2113-2123.[USA]

22. *Sensitivity of the Nuclear Equation of State Towards Relativistic Effects*
R.K. Puri, E. Lehmann, A. Faessler and S.W. Huang
Journal of Physics G: Nuclear and Particle Physics **21** (1995) 583-588.[UK]

23. *Realistic Forces in Heavy Ion Collisions at Intermediate Energies*
C. Fuchs, E. Lehmann, R.K. Puri, L. Sehn, A. Faessler and H.H. Wolter
Journal of Physics G: Nuclear and Particle Physics **22** (1996)131.[UK]

24. *Studies on the Timescale of Fragment Formation in Heavy Ion Collisions*
R.K. Puri, P.B. Gossiaux, Ch. Hartnack and J. Aichelin
Advances in Nuclear Dynamics **2** (1996) 251-259. (ed. W. Bauer, Plenum Press, USA , ISBN -0-306-45396-7).

25. *Study of in-Medium Effects on Disappearance of Sideways Flow in Heavy-Ion Collisions*
E.Lehmann, A. Faessler, J. Zipprich, R.K. Puri and S.W. Huang
Z. Physik **A 355** (1996) 55.[GERMANY]

26. *Early Fragment Formation in Heavy -Ion Collisions*
R.K. Puri, Ch. Hartnack, and J. Aichelin
Physics Review **C 54** (1996) R 28.[USA]

27. *The Multifragmentation of Spectator Matter*
P.B. Gossiaux, R.K. Puri, C. Hartnack and J. Aichelin
Nuclear Physics **A619** (1997) 379-390.[NORTH HOLLAND]

28. *Spin Density Contribution to Heavy Ion Potentials using Different Nucleonic Densities*
M.K. Sharma, H. Kumar, R.K. Puri and R.K. Gupta
Physical Review **C56** (1997) 1175-1179.[USA]

29. *Analytical Calculation of Fusion Barriers and Fusion Cross-Sections for Spin-Saturated Nuclei*
M.K. Sharma, R.K. Puri and R.K. Gupta
Z. Physik **A359** (1997) 141-144.[GERMANY]

30. *Calculated Fusion Cross-Section for Neutron Rich Colliding Nuclei*
R.K. Gupta, M.K. Sharma and R.K. Puri
Il. Nuo Cimento **110, No.9-10** (1997)1-8. [ITALY]

31. *Visualization of Heavy Ion Collisions*
R.K. Puri, J. Aichelin and A. Faessler
Physics News **28** (1997) 104-110.[INDIA]

32. *Modeling the Many Body Dynamics of Heavy Ion Collisions: Present Status and Future Perspectives*
Ch. Hartnack, R.K. Puri, J. Aichelin,J. Konopka, S.A. Bass, H. Stoecker and W. Greiner
European Physical Journal **A 1** (1998) 151-169.[GERMANY]

33. *Role of Momentum Correlations in Fragment Formation*
S. Kumar and R.K. Puri
Physical Review **C58** (1998) 320-325.[USA]

34. *Different Nucleon-Nucleon Cross-Section and Fragment Formation*
S. Kumar, R.K. Puri and J. Aichelin
Physical Review **C58** (1998) 1618-1626.[USA]

35. *Analytical Description of Heavy Ion Potentials for collision between Nuclei of Same Shell*
M.K. Sharma, R.K. Puri and R.K. Gupta
European Journal of Physics **A 2** (1998) 69-75.[GERMANY]

36. *Binary Break up, Onset of Multifragmentation and Vaporization in Ca-Ca Collisions*
R.K. Puri and S. Kumar
Physical Review **C57** (1998) 2744-2747.[USA]

37. *Isotopic Dependence of Fusion Cross-Section - Linear Relationship*
R.K. Puri, M.K. Sharma and R.K. Gupta
European Physical Journal **A 3** (1998) 277-280.[GERMANY]

38. *On the Stability of Fragments formed in the Simulations of Heavy Ion Collisions*
S. Kumar and R.K. Puri
Physical Review **C58** (1998) 2858-2863.[USA]

39. *Impact Parameter Dependence of Disappearance of flow and in-medium Nucleon-Nucleon Cross-Section*
S. Kumar, M.K. Sharma, R.K. Puri, K.P. Singh and I.M. Govil
Physical Review **C58** (1998) 3494-3499.[USA]

40. *The Simulations of Ca-Ca Collisions: Binary Break up, Onset of Multifragmentation and Vaporization*
S. Kumar and R.K. Puri
Pramana Journal of Physics **53** (1999)453-456.[INDIA]

41. *Neutron Drip Line Nuclei: Their Halo Structure, Synthesis and Decay Via Cluster –Emissions*
R.K. Gupta, R.K. Puri, W. Scheid and W. Greiner
Heavy Ion Elements and Related Phenomena (edits W. Greiner and R.K. Gupta, World Scientific Publishing Com, Singapore, 1999**, ISBN 981023335**) 1050-1073.

42. *The Spin Density Part of the Nucleus-Nucleus Interaction Potential*
R.K. Puri, R. Arora and R.K. Gupta
Physical Review **C60** (1999) 054619 (8 pages).[USA]

43. *Importance of Momentum Dependent Interactions in Multifragmentation*
S. Kumar and R.K. Puri
Physical Review **C60** (1999)054607 (8 pages).[USA]

44. *The Halo-Structure of Neutron-Drip Line Nuclei: (neutron) cluster model*
R.K. Gupta, M. Balasubramaniam, R.K. Puri and W. Scheid
Journal of Physics **G:** Nuclear and Particle Physics **26** (2000) L23-L32.[UK]

45. *Analytical Calculations of fusion cross-sections*
R. Arora, R.K. Puri and R.K. Gupta
European Journal of Physics **A8** (2000) 107-118.[GERMANY]

46. *Simulated Annealing Clusterization Algorithm for studying the Multifragmentation*
R.K. Puri and J. Aichelin
Journal of Computational Physics **162** (2000) 245-266.[NORTH HOLLAND]

47. *Dynamical Multifragmentation and Spatial Correlations*
J. Singh and R.K. Puri
Physical Review **C 62**, (2000) 054602 (7 pages).[USA]

48. *Model Ingredients and Multifragmentation in Symmetric and Asymmetric Heavy Ion Collisions*
J. Singh, S. Kumar and R.K. Puri
Physics Review **C 62**, (2000) 044617 (8 pages).[USA]

49. *Momentum Dependent Interactions & e Asymmetry of Reaction: Multi-Frag as an Example*
J. Singh, S. Kumar and R.K. Puri
Physics Review **C 63** (2001)054603 (8 pages).[USA]

50. Study of System-Size Effects in Multifragmentation using Quantum Molecular Dynamics
J.Singh, R.K. Puri and J. Aichelin
Physics Letters **B 519** (2001) 46-49.[NORTH HOLLAND]

51. *Study of the Formation of Fragments with Different Clusterization Algorithms*
J. Singh and R.K. Puri
J. Physics G: Nuclear and Particle Physics **27** (2001) 2091-2108.[UK]

52. *Nuclear Physics at Intermediate Energies: Hot and Dense Matter and Multifragmentation*
R.K. Puri, J. Singh, A. Kumar, J. Aichelin and A. Faessler
Physics of Particles, Nuclei and Materials (ed. R.K. Gupta; Narosa Publishing House (2002)77-94.

53. *Mass Dependence in the Production of Light Fragments in Heavy Ion Collisions*
J. Singh and R.K. Puri
Physics Review **C 65** (2002)024602 (10 pages).[USA]

54. *Fragment Production in O+Br reaction within Dynamical Microscopic Theory*
R.K. Puri, J. Singh and S. Kumar
Pramana J. Physics **59** (2002) 19-31.

55. *Multi-Fragmentation in Heavy Ion Collisions: Role of System-Size Effects, Cross-Section and equation of State.*
R.K. Puri and J. Singh
Heavy Ion Physics **16** (2002) in press[HUNGARY]

56. *Study of Equilibrium Using Collision Dynamics*
Amandeep Sood and R.K. Puri
Heavy Ion Physics **16** (2002) 429-436.[HUNGARY]

57. *Nuclear Simulations: From Fusion to Total Disassembly.*
R.K. Puri,
Radioactive Ion Beams and Physics of Nuclei away from the Line of Stability, Editors
I.M. Govil and R.K. Puri (Elite Publications, New Delhi) (2003) 252-257.

58. *Mass Dependence of Disappearance of Transverse in-plane Flow.*
Amandeep Sood and R.K. Puri,
Physical Review **C 69** (2004) 054612 (8 pages)[USA]

59. *Study of Balance Energy in Central Collisions for Heavier Nuclei.*
Amandeep Sood, R.K. Puri and J. Aichelin,
Physics Letters **B594** (2004)260-264[NORTH HOLLAND]

60. *Nuclear Dynamics at the Balance Energy.*
Amandeep Sood and R.K. Puri,
Physical Review **C70** (2004)034611 (7 pages)[USA]

61. *Isotopic Dependence of Fusion Probabilities for Neutron Deficient and Rich Colliding Nuclei.*
R.K. Puri and N. Dhiman,
The European Physical Journal **A 23** (2005) 429-434.[GERMANY]

62. *A Comparative Study of Isotopic Dependence of Fusion Dynamics for Ca-Ni series.*
N. Dhiman and R.K. Puri,
Acta Physica Polonica B 37 (2006) 1855-1873.[POLAND]

63. The *study of Participant-Spectator Matter and Collision Dynamics in Heavy Ion Collisions*
Amandeep Sood and R.K. Puri
International J. of Modern Physics E 15 (2006) 899-910[SINGAPORE]

64. *Systematic Study of the Energy of Vanishing Flow: Role of Equations of State and Cross-Sections*.
Amandeep Sood and R.K. Puri
Physical Review C **73** (2006) 067602 [USA].

65. *Role of Momentum Dependent Interaction in Vanishing of Flow at Different Geometries.*
R. Chugh, A.D. Sood and R.K. Puri
IWM 2005: Multifragmentation and Related Topics, Conf Prof. **91** (2005) 463-469
(eds: R. Bougault et al). ISBN: 88-7438-029-1 [ITALY]

66. *Extended Simulated Annealing Clusterization Alogirthm for Multifragmentation in Heavy Ion Collisions*.
J. Dhawan and R.K. Puri
IWM 2005: Multifragmentation and Related Topics, Conf Prof**. 91** (2005) 455-461
(eds: R. Bougault et al) ISBN: 88-7438-029-1 [ITALY]

67. *From Fusion to Total Disassembly: Thermalization in Heavy Ion Collisions*.
J.K. Dhawan, Amandeep Sood and R.K. Puri
Physical Review **C 74** (2006) 057901 [USA]

68. *Multifragmentation at the Energy of vanishing Flow in central Heavy Ion Collisions.*
J.K. Dhawan and R.K. Puri
Physical Review **C 74** (2006) 054610 [USA]

69. *Influence of Momentum Dependent Interactions on Balance Energy and Mass Dependent*.
Amandeep Sood and R.K. Puri
European Physical Journal **A 30** (2006) 571-577 [EUROPE]

70. *The study of Fusion of Different Isotopes/Isotones Leading to Same Compound Nucleus*.
Narinder K. Dhiman and R.K. Puri
Acta Polinica **B 38** (2007) 2133 [EUROPE].

71 *System Size Effects and Momentum Correlations in Heavy Ion Collisions.*
J.K. Dhawan and R.K. Puri
Physical Review **C75** (2007)057901 [USA]

72 *The Study of Fragmentation at low Excitation Energies within Dynamical Microscopic Theory.*
J.K. Dhawan and R.K. Puri
Physical Review **C 75** (2007) 057601 [USA]

73 O*n the Momentum Correlations in the Fragmentation of Au-Au Reactions.*
J.K. Dhawan, and R.K. Puri
European J. Physics A33 (2007)57-64 [EUROPE].

74. *The Medium Mass Fragments Production Due to Momentum Dependent Interactions.*
Sanjeev Kumar, Suneel Kumar and R.K. Puri
Physical Review **C78** (2008)064602 [USA]

75 *Microscopic Approach to the Spectator Matter Fragmentaton from 400 to 1000 MeV/A.*
Yogesh K. Vermani and R.K. Puri
Europysics Letters **85** (2009) 62001 [EUROPE]

76 *Momentum Dependence of Nuclear Mean Field and System Size Effects in Central Heavy Ion Collisions.*
Yogesh K. Vermani, Supriya Goyal and R.K. Puri
Physical Review **C 79** (2009) 064613 [USA]

77 *Mass Dependence of Onset of Multifragmentation in Low Energy Heavy Ion Collisions.*
Yogesh K. Vermani and R.K. Puri
J. Phys. G: Nucl & Part Physics **36** (2009)105103.

78 Participant Spectator Matter and Collision Dynamics in Heavy Ion Colliisions
A,D, Sood and R.K. Puri
Physical Review **C 79** (2009) 064618 [USA].

79 *Extended Approach for Clusterization Confrontaton with ALADIN Multifragmentation Data.*
Yogesh K. Vermani , J. K. Dhawan, Supriya Goyal, R.K. Puri and J. Aichelin
J. Phys G: Nucl & Part Physics **37** (2010) 015105.

80 Effect of Symmetry Energy on Nuclear Stopping and its Relation to the Production of Light Charged Particles.
S. Kumar, S. Kumar and R.K. Puri
Physical Review **C81** (2010) 014601.

.

Submitted (2010):

1. A Systematic Study of Fusion Barriers of Symmetric Colliding Nuclei using Different Proximity Type Potentials.
   I. Dutt and R.K. Puri
   Physical Review C (2010) Submitted

2. Elliptic Flow and Isopspin Effects in Heavy Ion Collisions at Intermediate Energies.
   S.Kumar, S. Kumar and R.K. Puri
   Physics Review C (2010)

3. Entropy and Light Cluster Production in Heavy Ion Collisions at Intermediate Energies.
   Y. Vermani and R.K. Puri
   Nuclear Physics A (2010)

4. Analytical Parameterization of Fusion Barriers Using Proximity Potentials
   I Dutt and R.K. Puri
   J. Physics G (2010)

5. The Role of Surface Energy Coefficients and Nuclear Surface Diffuseness on the Fusion of Heavy Ion Collisions.
   I. Dutt and R.K. Puri
   Physical Review C (2010)

6. On the Balance Energy and Nuclear Dynamics in Peripheral Heavy Ion Collisions
   R. Chugh and R.K. Puri
   Int J Mod. Phys E (2010)

7. Fragment Production in Peripheral Au-Au Reaction at 35 MeV Using Dynamical Cluster Method.
   Y. Vermani and R.K. Puri
   Physical Review C (2010)

8. Study of Formation and Stability of Fragments in Central Heavy Ion Collisions.
   S. Goyal and R.K. Puri
   Physical Review C (2010)

9. The Study of Balance Energy and Momentum Dependent Intercations Using the QMD model.
   R. Chugh and R.K. Puri
   Physical Review C (2010)

10. Isospin effects on the Energy of Vanishing of Flow in Heavy Ion Collisions.
    S. Gautum, R. Chugh, A. Sood R.K. Puri, J. Aichelin and Ch. Hartnack
    J. Physics G (2010)

11. A comparison of Different Proximity Potentials for Asymmetric Colliding Nuclei.
    I. Dutt and R.K. Puri
    J . Phys. G (2010)

Proceedings of Conferences:

1 *Exotic Cluster Decay of Radioactive and "Stable" Nuclei*
R.K. Gupta, S.S. Malik, S. Singh, R.K. Puri and S. Kumar
Contribution to 5th International Conference on Clustering Aspects in Nuclear and Sub-nuclear Systems, Kyoto, (Japan) July 25-29, 1988.

2 *Spin Density part of Heavy-Ion Potential and the Alpha-Clustering Transfer Effects*
R.K. Puri, P. Chattopadhyay and R.K. Gupta
Symposium on Nuclear Physics, Bombay (India) **31B** (1988) O25.

3 *Theory of Fission and Cluster-Decay*
S. Kumar, R.K. Puri, S. Singh, S.S. Malik, and R.K. Gupta
Cont. Int. Conf. 50 Years Research in Nucl. Fission, Berlin (Germany), April 3-7,1989, p.9.

4 *Alpha-Clustering and Shell-Structure Effects in Spin-Density Part of Heavy-Ion Potential.*
R.K. Puri, P. Chattopadhyay and R.K. Gupta
Proc. of the 1989 International Nucl. Phy. Conf., Sao Paulo, Brazil, Vol. **1**, (1989) p. 322.

5 *Theory of Spontaneous Fission and Cluster Radioactive-Decay*
R.K. Gupta, S. Kumar, S.S. Malik, R.K. Puri and S.Singh
Proc. of 50 Years with Nuclear Fission, Gaithersburg, Maryland (U.S.A.), April 25-28' 89.

6 *Calculation of Heavy-Ion Interaction Pos Using the Energy Density Formalism for the Skyrme Forces*
R.K. Puri, P. Chattopadhyay and R.K. Gupta
Symposium on Nuclear Physics, Aligarh (India) **32B** (1989) O51.

7 *Shell Effects in Alpha Cluster Transfer Reaction $^{16}O + ^{40}Ca$*
R.K. Puri, and R.K. Gupta
Proc. Symp. in Honor of Akito Arima: NP in 1990's, Sante Fe, New Maxico (U.S.A), May 1-5, 1990.

8 *Analytical Determination of Spin Density Contribution to Heavy-Ion Collisions*
R.K. Puri
Proceedings of Department of Science and Technology (DST) "Summer Study Group"
on Frontiers in Nuclear Physics, Chandigarh (India), July 23- Aug.31 (1990) p. 35-44.

9 *Simple Formula of Heavy-Ion Potentials with Spin-Density Term in Energy Density Formalism -- s-d and f_{7/2} shell Nuclei*
R.K. Puri and R.K. Gupta
Symposium on Nuclear Physics, Madras (India) **33B** (1990) p. 213-214.

10 *Alpha-Clustering Transfer Effects in Colliding s-d Shell Nuclei*
R.K. Puri and R.K. Gupta
Symposium on Nuclear Physics, Madras (India) **33B** (1990) p. 215-216.

11 *Theory of Cluster Transfer Resonances in Heavy-Ion Reactions and Related Phenomena*
R.K. Puri
Proceedings of Symposium on Nuclear Physics, Madras (India) **33A** (1990) p. 259-270.

12 *Nuclear Surface Effects in Exotic Cluster Decay Half-Life Time Estimates*
R.K. Gupta, R.K. Puri, S. Singh, W. Greiner and W. Scheid
Verhandl. Deutsche Physikalische Gesellschaft(VI) **26** (1991) 495.

13 *Radioactive Cluster-Decay of Super-Heavy and Other "Stable" Nuclei*
S. Singh, R.K. Puri, S. Kumar, S.S. Malik and R.K. Gupta
Contribution to 8th National Symp. on Radiation Physics, Bombay, Jan. 17-19, 1990.

14 *In-Medium Effects in Description of Heavy-Ion Collisions with Realistic NN Interactions*
D.T. Khoa, N. Ohtsuka, M.A. Matin, A. Faessler, S.W. Huang, E. Lehmann, R.K. Puri
GSI Scientific Report 1991 **[GSI Report No. 92-1 (1992)],** Darmstadt, (Germany) p.106.

15 *Pion-Production in Central Nucleus-Nucleus Collisions within the QMD*
R.K. Puri, S.W. Huang, M.A. Matin, E. Lehmann, D.T. Khoa, Y. Lotfy, A. Faessler
GSI Scientific Report 1991 **[GSI Report No. 92-1 (1992)],** Darmstadt, (Germany)p.107.

16 *Relativistic Heavy Ion Collisions and Quantum Hadron Molecular Dynamics*
E. Lehmann, G.Q. Li, T. Maruyama, M.A. Matin, S.W. Huang, R.K. Puri , D.T. Khoa, Y. Lotfy and A. Faessler
GSI Scientific Report 1991 **[GSI Report No. 92-1 (1992)],** Darmstadt,(Germany) p. 109.

17 *Subthreshold K^+ Production in 1 GeV/u Au+Au Collision*
S.W. Huang, G.Q. Li, R.K. Puri, E. Lehmann, M.A. Matin, D.T. Khoa, Y. Lotfy and A.Faessler
GSI Scientific Report 1991 **[GSI Report No. 92-1 (1992)],** Darmstadt, (Germany) p. 116.

18 *Thermal Properties and Medium Effects in the Study of Heavy-Ion Collisions with Realistic NN Interactions*
D.T. Khoa, N. Ohtsuka, M.A. Matin, A. Faessler, S.W. Huang, E. Lehmann and R.K. Puri,
Proceedings of the International Workshop on " Gross Properties of Nuclei and Nuclear Excitations " **XX**, Hirschegg, (Austria) 1992, (ed. H. Feldmeier) p.78-88.

19 *Subthreshold Kaon Production in 1 GeV/u Au+Au Collision within Quantum Molecular Dynamics*
S.W. Huang, G.Q. Li, R.K. Puri, E. Lehmann, M.A. Matin, D.T. Khoa, Y. Lotfy and A.Faessler
Proceedings of the International Workshop on " Gross Properties of Nuclei and Nuclear Excitations " **XX**, Hirschegg, (Austria) 1992, (ed. H. Feldmeier) p. 236-238.

20 *Relativistic Quantum Hadron Molecular Dynamics (RQHMD) for Heavy ion Collisions*
E. Lehmann, G.Q. Li, T. Maruyama, M.A. Matin, S.W. Huang, R.K. Puri, D.T. Khoa, Y. Lotfy and A. Faessler
Proceedings of the International Workshop on " Gross Properties of Nuclei and Nuclear Excitations " **XX**, Hirschegg, (Austria) 1992, (ed. H. Feldmeier) p. 254-256.

21 *Medium Dependent Pion-Production in Heavy-Ion Collisions within the Quantum Molecular Dynamics*
R.K. Puri, S.W. Huang, M.A. Matin, E. Lehmann, D.T. Khoa, Y. Lotfy and A. Faessler,
Proceedings of the International Workshop on " Gross Properties of Nuclei and Nuclear Excitations " **XX,** Hirschegg, (Austria) 1992, (ed. H. Feldmeier) p. 273-277.

22 *Role of " Particle Strength" in the Study of Systematic Behavior of β_2*
R.K. Puri and R.K. Gupta

Contri. International Nuclear Physics Conf. Wiesbaden, Germany, July 26-August 1,1992.

23 *Does the Temperature Dependence of Mean Field Affect Heavy-Ion Dynamics?*
R.K. Puri, N. Ohtsuka, E. Lehmann, A. Faessler, D.T. Khoa, M.A. Matin, G. Batko and W. Huang
GSI Scientific Report 1992 [**GSI Report No. 93-1 (1993**)], Darmstadt, (Germany) p. 125.

24 *How Hot are Nucleons in Heavy-Ion Reactions?*
R.K. Puri, N. Ohtsuka, E. Lehmann, A. Faessler, D.T. Khoa, M.A. Matin, G. Batko, and W. Huang
GSI Scientific Report 1992 **[GSI Report No. 93-1 (1993**)], Darmstadt, (Germany) p. 126.

25 *Relativistic Effects in the Transverse Flow*
E.Lehmann, R.K. Puri, T. Maruyama, A. Faessler, G. Batko and S.W. Huang
GSI Scientific Report 1992 **[GSI Report No. 93-1 (1993**)], Darmstadt, (Germany) p. 127.

26 *Subthreshold K^+ Production in HI Collisions: Influence of the Elementary Cross-sections*
S.W. Huang, A. Faessler, G.Q. Li, G. Batko, E. Lehmann and R.K. Puri
GSI Scientific Report 1992 **[GSI Report No. 93-1 (1993)**], Darmstadt, (Germany) p.132.

27 *Medium Effects on Antiproton Production*
G. Batko, A. Faessler, S.W. Huang, E. Lehmann and R.K. Puri
GSI Scientific Report 1992 **[GSI Report No. 93-1 (1993)],** Darmstadt, (Germany) p.135.

28 *Relativistic Effects in Heavy Ion Collisions at Intermediate Energies*
E. Lehmann, R.K. Puri, A. Faessler, T. Maruyama, S.W. Huang and G. Batko
Verhandl. Deutsche Physikalische Gesellschaft **4** (1993) 596.

29 *Temperature Dependence of the Mean Field in Heavy-Ion Reactions*
R.K. Puri, N. Ohtsuka, E. Lehmann, A. Faessler, D.T. Khoa, M.A. Matin, S.W. Huang and G. Batko
Verhandl. Deutsche Physikalische Gesellschaft **4** (1993) 595.

30 Quantum Molecular Dynamics and Particle Production in Heavy-Ion Collisions
S.W. Huang, A. Faessler, G.Q.Li, E. Lehmann, R.K. Puri and G. Batko
Verhandl. Deutsche Physikalische Gesellschaft **4** (1993) 567.

31 *Analysis of Stopping in Heavy-Ion Collisions at Relativistic Energies*
R.K. Puri, E. Lehmann, A. Faessler and S.W. Huang
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994**)], Darmstadt, (Germany) p. 88.

32 *Realistic Forces: Evolution of Heavy-Ion Collisions in the Temperature-Density Plane*
R.K. Puri, E. Lehmann, N. Ohtsuka, A. Faessler and S.W. Huang
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994**)], Darmstadt, (Germany) p. 89.

33 *How Accurately can the Nuclear Equation of State be Extracted from Heavy Ion* reactions?
R.K. Puri, N. Ohtsuka, E. Lehmann, A. Faessler and S.W. Huang
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994)],** Darmstadt, (Germany) p. 92.

34 *Study of Resonance Matter using Quantum Molecular Dynamics*
N. Mina, R.K. Puri, E. Lehmann, A. Faessler and S.W. Huang
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994)],** Darmstadt, (Germany) p. 96.

35 *Kaon-Nucleon Low Energy Cross-Sections for Heavy-Ion Collisions*
S.W. Huang, K. Tsushima, A. Faessler, G. Batko, E. Lehmann and R.K. Puri
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994)],** Darmstadt, (Germany) p. 105.

36 *In-Medium Mass Reduction Effects on p Production in Heavy-Ion Collisions*
G. Batko, A. Faessler, S.W. Huang, K. Tsushima, E. Lehmann and R.K. Puri
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994)],** Darmstadt, (Germany) p. 109.

37 *Comparison of RQMD and QMD in the Nonrelativistic Limit*
E. Lehmann, R.K. Puri, A. Faessler, G. Batko and S.W. Huang
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994)],** Darmstadt, (Germany) p. 113.

38 *Visualization of Phase-Space Simulations of Heavy-Ion Reactions*
E. Heinz, E. Lehmann, R.K. Puri, and A. Faessler
GSI Scientific Report 1993 **[GSI Report No. 94-1 (1994)],** Darmstadt, (Germany) p. 114.

39 *Analysis of Hot and Dense Nuclear Matter formed in HI Collisions using Realistic Forces*
R.K. Puri, E. Lehmann, N. Ohtsuka, A. Faessler, and S.W. Huang
Proceedings of International Workshop **XXII** on "Gross Properties of Nuclei and Nuclear Excitations", Hirschegg, (Austria), 1994, (ed. H. Feldmeier and W. Norenberg) p. 262-266.

40 *Analytical Calculation of Fusion Barriers and Fusion Cross-Sections*
R.K. Puri and R.K. Gupta
Proc.of "Workshop on Heavy-Ion Fusion: Exploring the Variety of Nuclear Properties", Padova (Italy), May 25-27, 1994 [World Scientific Pub. Company, Singapore].

41 *QMD Approach to Study Heavy Ion Collision at Finite Temperature*
M.A. Matin and R.K. Puri
Symposium on Nuclear Physics, Bhubaneswar (India) **37B** (1994) p. 161-162.

42 *Application of Relativistic Quantum Molecular Dynamics at SIS Energies*
R.K. Puri, E. Lehmann, A. Faessler, and S.W. Huang
Verhandl. Deutsche Physikalische Gesellschaft **6** (1994) 1782.

43 *Realistic Forces and the Description of HI Reactions in the Framework of QMD/RQMD*
E. Lehmann, R.K. Puri, S.W. Huang and A. Faessler
Verhandl. Deutsche Physikalische Gesellschaft **6** (1994) 1781.

44 *Medium Effects on Subthreshold Antiparticle Production in Heavy Ion Collisions*
S.W. Huang, G. Batko, A. Faessler, E. Lehmann, and R.K. Puri
Verhandl. Deutsche Physikalische Gesellschaft **6** (1994) 1828.

45 *Scalar and Vector Interaction-at-a-Distance for RQMD*
E. Lehmann, T. Kubo, R.K. Puri, A. Faessler, S.W. Huang and K. Tsushima
GSI Scientific Report 1994 **[GSI Report No. 95-1 (1995)],** Darmstadt, (Germany).

46 *Equilibrium Process in Low and Intermediate Energy Heavy Ion Collisions*
R.K. Puri, C. Hartnack, J. Aichelin and R.K. Gupta

International Nuclear Physics Symposium , Bombay, India (1995) B-4.

47 *Heavy Ion Interaction Potentials for Nuclei upto h_{11/2} shell in Skyrme Energy Density Formalism*
H. Kumar, M.K. Sharma, R.K. Puri and R.K. Gupta
International Nuclear Physics Symposium , Bombay, India (1995) B-68.

48 *Origin of Fragments in Central Heavy Ion Collisions*
R.K. Puri
International Nuclear Physics Symposium , Bombay, India (1995) IN-08.

49 *Description of Heavy Ion Reactions within QMD/RQMD*
E. Lehmann, C. Fuchs, J. Zipprich, S.W. Huang, L. Sehn, , R.K. Puri, T. Kubo and A. Faessler
GSI Scientific Report 1995 **[GSI Report No. 96-1 (1996)],** Darmstadt, (Germany) 63.

50 *On the Formation of Fragments in Heavy-Ion Collisions*
P.B. Gossiaux, R.K. Puri, Ch. Hartnack, and J. Aichelin
Proceedings of International Conference on Nuclear Physics, 1995, China.

51 *New Vistas on Multifragmentation*
P.B. Gossiaux, Ch. Hartnack, R.K. Puri and J. Aichelin
Proceedings of International Conference on Nuclear Physics at the Turn of the Millenuim: Structure of Vacuum and Elementary Particles, Wilderness/George (South Africa) March 10-16, 1996.

52 *Studies on the Dynamics of Multifragmentation*
P.B. Gossiaux, Ch. Hartnack, R.K. Puri and J. Aichelin
Proceedings of Catania Relativistic Ion Studies: Critical Phenomena and Collective Observables, Acicastello (Italy) May 27-31, 1996.

53 *Disappearance of Flow in Ne+Al Collisions at Intermediate Energies*
R.K. Puri, S.Kumar and J. Aichelin
Nuclear Physics Symposium, Pantnagar **39B** (1996) 280.

54 *Multifragmentation of Ca-Ca Collision at Intermediate Energies*
R.K. Puri, S.Kumar and J. Aichelin
Nuclear Physics Symposium, Pantnagar **39B** (1996) 260.

55 *Heavy Ion Collision and the Nucleon-Nucleon Cross-Section*
R.K. Puri, S.Kumar, M.K. Sharma and J. Aichelin
Nuclear Physics Symposium, Pantnagar **39B** (1996) 282.

56 *Study of Thermal Properties in Au-Au Collisions at Intermediate Energies*
R.K. Puri, M.K. Sharma , R.K. Gupta and J. Aichelin
Nuclear Physics Symposium, Pantnagar **39 B** (1996) 284.

57 *Thermalization in Heavy-Ion Collisions*
R.K. Puri, R.K. Gupta
7th Asia Pacific Physics Conference, August 19-23, 1997, Beijing, China

58 *Intermediate Mass Fragments Production in Heavy-Ion Collisions*

R.K. Puri, C. Hartnack and J. Aichelin
8th Int. Conf. on Nucl React. Mech., Villa Monastero, Varenna (Italy), June 9-14, '97.

59 *Study of Heavy-Ion Collisions Using Different Nucleon-Nucleon Cross-Sections*
R.K. Puri, S. Kumar and J. Aichelin
8th Int. Conf. on Nucl React Mech., Villa Monastero, Varenna (Italy), June 9-14, 1997.

60 *Fragment Production in Heavy-Ion Collisions*
S. Kumar and R.K. Puri
6th Int. Conf. on Nucleus-Nucl. Collisions, Gatlinburg, Tennessee (USA) June 2-6, 1997.

61 *Disappearance of Flow in Heavy-Ion Collisions using QMD Approach*
S. Kumar, R.K. Puri and J. Aichelin
6th Int. Conf. on Nucleus-Nucl. Collisions, Gatlinburg, Tennessee (USA) June 2-6, 1997.

62 *Fusion of Neutron Rich Nuclei*
R.K. Puri, M.K. Sharma and R.K. Gupta
Int. Workshop on Physics with Radioactive nuclear beams, Puri Jan. 12-17, 1998.

63 *Is Fragment Production Sensitive to Different Nucleon-Nucleon Cross-Sections?*
S. Kumar, R.K. Puri and J. Aichelin
DAE Symposium on Nuclear Physics, Bangolore (India), **40B** (1997) 374.

64 *Impact Parameter Dependence of Disappearance of Flow*
S. Kumar, M.K. Sharma, R.K. Puri, K.P. Singh and I.M. Govil
DAE Symposium on Nuclear Physics, Bangolore (India), **40B** (1997) 372.

65 *Importance of Correlations in Fragment Formation*
S. Kumar and R.K. Puri
DAE Symposium on Nuclear Physics, Bangolore (India), **40B** (1997) 152.

66 *Analytical Formula for Fusion Cross-Sections of Neutron -Rich Colliding Nuclei*
R.K. Puri, M.K. Sharma and R.K. Gupta
DAE Symposium on Nuclear Physics, Bangolore (India), **40B** (1997) 252.

67 *Calculated Fusion Cross-Sections for Neutron -Rich Colliding Nuclei*
R.K. Gupta, M.K. Sharma, and R.K. Puri
Int. Workshop on New Ideas on Clustering in Nucl. and Atomic Physics, June 9-13, 1997.

68 *Evolution of the Universe*
R.K. Puri
Proceedings of 35th Orientation Course, PU Chandigarh, March 19-April 15, 1997, p. 56.

69 *Fusion of Neutron -Rich Nuclei*
R.K. Puri, M.K. Sharma and R.K. Gupta
Cont. Int. Workshop on Phys. with Radioactive Nucl. Beams, Puri, India, Jan 12-17, 1998.

70 *Fusion of Nuclei at Drip Line*
R.K. Puri, M.K. Sharma, R. Arora and R.K. Gupta

National Workshop on Nuclear structure, Chandigarh, March 17-20, 1998.

71 *The Multifragmentation in the Simulation of Ca-Ca Collisions*
S. Kumar and R.K. Puri
National Workshop on Nuclear structure, Chandigarh, March 17-20, 1998.

72 *Multifragmentation and its Dependence on the Masses of Colliding Nuclei*
J. Singh, S. Kumar and R.K. Puri
DAE Symposium on Nuclear Physics, Bombay (India) **41B** (1998) 258.

73 *Role of Surface Diffuseness in Fusion Barriers*
R. Arora, R.K. Puri and R.K. Gupta
DAE Symposium on Nuclear Physics, Bombay (India) **41B** (1998) 192.

74 *The Stability of Fragments Produced in a Simulation of Heavy-Ion Collision*
S. Kumar and R.K. Puri
DAE Symposium on Nuclear Physics, Bombay (India) **41B** (1998)276.

75 *Does Multifragmentation Depend of Equation of State?*
S. Kumar and R.K. Puri
DAE Symposium on Nuclear Physics, Bombay (India) **41B** (1998)274.

76 *Simple Analytical Expression of Fusion Cross-Section for Neutron -Rich Colliding Nuclei.*
M.K. Sharma, R.K. Puri and R.K. Gupta
Int. Workshop on Rare Nucl Process in Low Energy HIC, NSC, New Delhi, Nov. 16-20 (1998) p. 44.

77 *The Simulations of Ca-Ca Collisions: Binary-Break Up, Onset of Multifragmentation and Vaporization*
R.K. Puri and S. Kumar
Int. workshop on Rare Nuclear Processes in Low Energy Heavy Ion Physics, NSC, New Delhi, Nov. 16-20 (1998) p. 60.

78 *Fusion of Neutron-Rich Colliding Nuclei- a Theoretical Study*
R.K. Puri
Interactive Workshop on Nuclear Reaction with Light RNB. NSC, New Delhi, August 27-28 , 1999.

79 *Heavy Ion Collisions and QMD model*
R.K. Puri
Invited talk at Symposium on Nuclear Physics, Chandigarh (India), **42B** (1999) 3.

80 *The Spectator and Participant Picture in Intermediate Energy Heavy Ion Collisions*
S. Kumar, J.S. Batra, J. Singh and R.K. Puri
Symposium on Nuclear Physics, Chandigarh (India), **42B** (1999) 262.

81 *Does "Extended" Surface Thickness of Neutron-Rich Nuclei Enhances the Fusion Probabilities*?
R. Arora, R.K. Puri and R.K. Gupta
Symposium on Nuclear Physics, Chandigarh (India), **42B** (1999) 164.

82 *Role of Spatial Correlations in Fragment's Flow*
J. Singh, S. Kumar and R.K. Puri

Symposium on Nuclear Physics, Chandigarh (India), **42B** (1999) 264.

83 *New Clusterization methods for Multifragmentation in Heavy-Ion Collisions*
J. Singh, S. Kumar and R.K. Puri
Symposium on Nuclear Physics, Chandigarh (India), **42B** (1999) 260.

84 *Do We Need Momentum Dependent Interactions to Explain the Emulsion Data?*
J. Singh, S. Kumar and R.K. Puri
Symposium on Nuclear Physics, Chandigarh (India), **42B** (1999) 258.

85 *News on Multifragmentation*
R. Nobauer, A. Guertin, R.K. Puri, Ch. Hartnack, P.B. Gossiaux and J. Aichelin,
Proceedings of the International Workshop on " Gross Properties of Nuclei and Nuclear Excitations " **XXVII**, Hirschegg, (Austria) 1999, (ed. H. Feldmeier) p. 43-61.

86 *Universality in the Production of Light Mass Fragments*
J. Singh and R.K. Puri
7th Int. Conf. on Nucl.-Nucl. Collisions, Strasbourg, July 3-7, 2000.

87 *The Halo-Structure of Light Neutron and Proton-Rich Nuclei using Cluster-Core Model*
M. Balasubramaniam, R.K. Puri and R.K. Gupta
7th Int. Conf. on Nucl.-Nucl. Collisions, Strasbourg, July 3-7, 2000.

88 *Confrontation of Theory with O-Induced Emulsion Data on Multifragmentation*
J. Singh and R.K. Puri
7th Int. Conf. on Nucl.-Nucl. Collisions, Strasbourg, July 3-7, 2000.

89 *The Momentum Dependent Interactions and Asymmetry of the Reaction*
J. Singh and R.K. Puri
Int. Symposium on Nuclear Physics, Bombay (India), **43B** (2000) 151.

90 *A Study of Interaction Range Parameters in Fragmentation*
J. Singh and R.K. Puri
Int. Symposium on Nuclear Physics, Bombay (India), **43B** (2000) 169.

91 *Relative study of Model Ingredients in Mulifragmentation*
J. Singh and R.K. Puri
Int. Symposium on Nuclear Physics, Bombay (India), **43B** (2000) 149.

92 *Importance of Interaction Range and Equation of State in Multifragmentation*
J. Singh and R.K. Puri
Int. Meeting on Perspective in Theoretical Physics, PRL, Ahmedabad, India, Jan. 8-11th (2001)p. 49.

93 *System Size Effects in Multifragmentation*
J. Singh, R.K. Puri and J. Aichelin
Int. Symposium on Nuclear Physics, (NS2001), Goettingen, Germany , March 5-8th, 2001.

94 *Momentum Dependent Interactions in Multi-Fragmentation: Role of the Asymmetry of the Reaction*
J. Singh and R.K. Puri

Int. Nuclear Physics Conference, Berkeley, USA, July 30th-Aug. 3rd (2001).

95 Is Multi-Fragmentation Sensitive to Different Nucleon-Nucleon Cross-Sections?
J. Singh and R.K. Puri,
Int. Nuclear Physics Conference, Berkeley, USA, July 30th-Aug. 3rd (2001) .

96 The Interaction Range in Multi-Fragmentation and Emulsion Experiments
J. Singh and R.K. Puri
12th Symposium on Solid State Nuclear Track Detectors, Jallandhar, Oct. 29-31st (2001) .

97 The Last Gem In Heavy- Ion Physics: Multifragmentation
R.K. Puri
Invited Talk, 12th Symp. on Solid State Track Detectors, Jallandhar, Oct. 29-31st (2001) .

98 Thermalization and Entropy Production In Heavy-Ion Collisions within Transport Model
R.K. Puri, A. Sood and J. Singh
4th National Symposium on Radiation Physics, Amritsar, Nov. 1-3 (2001) accepted.

99 *Entropy Production in Heavy-Ion Collisions at Intermediate Energies*
R.K. Puri and J. Singh
Symposium On Nuclear Physics, Kolkota (India), Dec. 26-30 (2001).

100 *Spatial Correlations and Dynamical Multi-Fragmentation*
J. Singh and R.K. Puri
Symposium On Nuclear Physics, Kolkota (India), Dec. 26-30 (2001).

101 *Study of Charge Yields using Various Dynamical Fragment Models*
J. Singh and R.K. Puri
Symposium On Nuclear Physics, Kolkota (India), Dec. 26-30 (2001).

102 Thermalization in Heavy Ion Collisions within Transport Model
Amandeep Sood and R.K. Puri
Symposium On Nuclear Physics, Kolkota (India), Dec. 26-30 (2001).

103 Intermediate Energy Reactions in Nuclear Physics
R.K. Puri
Refresher Course in Physics, HP. University, July-August, 2001.

104 *From Fusion to Total Disassembly of the Nuclear Matter Formed in Heavy-Ion Collisions*.
R.K. Puri
Interactive Workshop on Nuclear Structure and Reaction Theory, Nuclear Science Center, New Delhi, May 18th, 2002

105 *Disappearance of Transverse Flow in Central Heavy-Ion Collisions*.
Amandeep Sood and R.K. Puri,
Symposium on Nuclear Physics, Thirunelveli, December 26-30, 2002.

106 *Nuclear Flow and its Disappearance in Central Heavy-Ion Collisions*.
R.K. Puri and Amandeep Sood

VIII Int. Conf on Nucleus-Nucleus Collisions, Moscow (Russia), June 17-21, 2003.

107 *Mass Dependence in Multi-Fragmentation: Role of Model Ingredients and Custerization Methods*.
R.K. Puri and Avneesh Kumar
VIII Int. Conf on Nucleus-Nucleus Collisions, Moscow (Russia), June 17-21, 2003.

108 *Disappearance of Flow in Heavy-Ion Collisions for System Mass ≥ 175*.
Rajeev K. Puri, Amandeep Sood and J. Aichelin
The Fifith International Conference of Modern Problems of Nuclear Physics- Samarkand, Uzbekistan, August 12-13, 2003.

109 A Power Law Mass Dependence in the Disappearance of Flow and Multifragmentation
Rajeev K. Puri, Aman D. Sood and Avneesh Kumar
8th International Conference on Clustering Aspects of Nuclear Structure and Dynamics, Nov. 24-29 Nara, Japan (2003).

110 Dependence of Disappearance of Flow on Nucleon-Nucleon Cross-Section
Aman D. Sood and Rajeev K. Puri
DAE-BRNS Symposium on Nuclear Physics, **46B** (2003) 326-327

111 Origin of Transverse Nuclear Flow in Heavy-Ion Collisions
Rajeev K. Puri and Aman D. Sood.
DAE-BRNS Symposium on Nuclear Physics, **46B** (2003) 346-347

112 Participant Matter: A Barometer for the Balance Energy?
Aman D. Sood and Rajeev K. Puri
DAE-BRNS Symposium on Nuclear Physics, **46B** (2003) 200-201

113 A Linear Reduction in the Fusion Probabilities for Neutron-Deficient Colliding Nuclei.
Rajeev K. Puri and Narinder K. Dhiman
DAE-BRNS Symposium on Nuclear Physics, **46B** (2003) 268-269

114 System-Size Effects in the Thermalization of Nuclear Matter Formed in Heavy-Ion Collisions
Rajeev K. Puri, Satish Kumar, Joginder S. Batra and Jaivir Singh
DAE-BRNS Symposium on Nuclear Physics, **46B** (2003) 410-411

115 Fusion of Neutron-Deficient and -Rich Colliding Nuclei
R.K. Puri and N. Dhiman,
Proc. 3rd national Conference on Contemporary Issues in Nuclear and Particle Physics, Jadavpur University, Kolkata , Feb. 16-17, 2004.

116 Nuclear Dynamics at the Balance Energy: Disappearance of Flow and Multifragmentation.
Amandeep Sood , Jatinder Dhawan, and R.K. Puri,
Proc. 3rd national Conference on Contemporary Issues in Nuclear and Particle Physics, Jadavpur University, Kolkata , Feb. 16-17, 2004.

117 *Study of Role of Isotopic Dependence in Fusion Process*.
R.K. Puri and N. Dhiman,

Conf. on "Nuclei at the Limits" Argonne National Laboratory, USA, July 26-30, 2004.

118 *Study of Disappearnce of Transverse in Plane Flow and Multifragmentation*.
Amandeep Sood, Jatinder Dhawan, and R.K. Puri,
International Nuclear Physics Conf 2004, Goteborg, Sweden, June 27-July 2,2004.

119 *A Comparison of Different Models for Isotopic Dependence in Fusion Dynamics*.
R. K. Puri and N.Dhiman,
4th, int. Conf. on Exotic Nuclei and Atomic Masses Georgia, USA, Sept. 12-16, 2004.

120 Fragmentation at the Energy of Vanishing Flow in Heavy-Ion Collisions
J. Dhawan and R.K. Puri,
Symposium of Nuclear Physics Varanasi (India) **47 B** (2004) 382-383

121 Momentum Correlations & Multi-bounded Complex Fragments in Heavy-IonCollisions
J. Dhawan , R.K. Puri and S. Kumar
National Conference on Advances in Condensed Matter Physics, TIET, Patiala, Feb 11-12, 2005, P. 144.

122 *On the Mass Dependence of Isotopic Effects in Fusion Process*.
N. Dhiman, Shalini Sharma and R.K. Puri
International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, KOS, Greece, Sept. 12-17, 2005.

123 Mass Independent Nature of Participant Matter and Its Usefulness in Disappearance of Flow.
Aman D. Sood and R.K. Puri,
International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, KOS, Greece, Sept. 12-17, 2005.

124 *A Power law for Clusterization at the Energy of Vanishing Flow in Heavy-Ion Collisions*.
Jatinder Dhawan and R.K. Puri
International Conference on Frontiers in Nuclear Structure, Astrophysics and Reactions, KOS, Greece, Sept. 12-17, 2005.

125 On the Fragmentation in Au+Au Reactions.
Jatinder Dhawan and R.K. Puri.
VI Latin American Symposium on Nucl Phys and Applications, Iguazu, Argentina, Oct. 3-7, 2005.

126 Model Independent Isotopic Dependence in Fusion Barriers.
Rajeev K. Puri and Narinder Dhiman
VI Latin American Symposium on Nucl Phys and Applications, Iguazu, Argentina, Oct. 3-7, 2005.

127 *Momentum Correlations and Fragmentation in Au+Au Reactions*.
Jatinder Dhawan and R.K. Puri
5th Int. Conference Nuclear and Radiation Physics, Almaty, Kazakhstan, Sept. 26-29, 2005.

128 *Model Independent Isotopic Dependence in Fusion Dynamics*.
R.K. Puri and N.Dhiman,
5th Int. Conference Nuclear & Radiation Physics, Almaty, Kazakhstan, Sept. 26-29, 2005.

129 *Isotopic Enhancement in the Fusion of Heavy Ion Colliding Nuclei*.
N. Dhiman and R.K. Puri
5th Conference on Nuclear and Particle Physics, Cairo, Egypt, Nov. 19-23, 2005.

130. *Impact Parameter and Mass Dependence of the Vanishing of Flow in Heavy Ion Collisions*.
Rajiv Chugh and R.K. Puri
5th Conference on Nuclear and Particle Physics, Cairo, Egypt, Nov. 19-23, 2005.

131. Enhancement in the Multifragmentation Due to Momentum Dependent Interactions.
Y.K. Vermani, S. Kumar, R.K. Puri and A. Kumar
DAE symposium on Nuclear Physics, Mumbai (India) **50** (2005) 378.

132. *Role of Momentum Dependent Interactions in the Flow as well as its Disappearance*.
Amandeep Sood and R.K. Puri
DAE symposium on Nuclear Physics, Mumbai (India) **50** (2005) 374.

133. *Extended Microscopic Approach for Multifragmentation in Heavy Ion Collisions*.
J. K. Dhawan and R.K. Puri
DAE symposium on Nuclear Physics, Mumbai (India) **50** (2005) 376.

134. Momentum Correlations and Multifragmentation in Heavy Ion Collisions at Intermediate Energies.
J.K. Dhawan and R.K. Puri
DAE symposium on Nuclear Physics, Mumbai (India) **50** (2005) 377.

135. *On the Participant Matter at Energy of Vanishing Flow*.
Amandeep Sood, R. Chugh and R.K. Puri
DAE symposium on Nuclear Physics, Mumbai (India) **50** (2005) 375.

136. *Impact Parameter Dependence of Balance Energy using Momentum Dependent Interactions*..
Rajiv Chugh, Aman D. Sood and R.K. Puri
DAE symposium on Nuclear Physics, Mumbai (India) **50** (2005) 379.

137 Enhancement of Fusion Probabilities for Neutron-Rich Colliding Nuclei using Different Models.
Shivali Tondon, Narinder Dhiman and R.K. Puri
6th Int conference on Modern Problems in Nuclear Physics, Tashkent, Uzbekistan, Sep 19, 2006

138 *Balance Energy for the Role of Equation of State and Nucleon-Nucleon Cross-Section*
Aman D. Sood and Rajeev K. Puri
DAE Symposium on Nuclear Physics, Vadodara (India), **51** (2006) 579-580

139 *Microscopic Study of ALADiN Experimental Data for Multifragmentation*.
Rajeev K. Puri and Yogesh K. Vermani
DAE Symposium on Nuclear Physics, Vadodara (India), **51** (2006) 478-479

140. *Light Charge Particles as a Probe to Study the Global Stopping in Heavy-Ion Collisions*
Jatinder K. Dhawan and Rajeev K. Puri
DAE Symposium on Nuclear Physics, Vadodara (India), **51** (2006) 498-499

141 *A Power Law for the Fusion of Different Isotopess Leading to Same Compound Nucleus.*
Narinder K. Dhiman and Rajeev K. Puri
DAE Symposium on Nuclear Physics, Vadodara (India), **51** (2006) 413-414

142 *Comparison of Different Proximity Potentials for the Fusion of Heavy-Ions*
Narinder K. Dhiman, Shivali Tondon and Rajeev K. Puri
DAE Symposium on Nuclear Physics, Vadodara (India), **51** (2006) 415-416

143 *Fragmentation in Au-Au Reaction using Dynamical Microscopic Theory*
Rajeev K. Puri, Jatinder K. Dhawan and J. Aichelin
'Young Researchers Conference on Applied Sciences' University Teknologi MARA. 40450
Shah Alam Selangor Darul Ehsan, June 13-14, 2006

144 *A Power Law for the Fusion and Multifragmentation in Heavy-Ion Collisions*
Rajeev K. Puri, Narinder K. Dhiman and Jatinder K. Dhawan
'Young Researchers Conference on Applied Sciences' Universiti Teknologi MARA. 40450
Shah Alam Selangor Darul Ehsan, June 13-14, 2006

145 *Theoretical Study of Balance Energy in Heavy-ion Collisions & Model Ingredients.*
Rajeev K. Puri and Aman D. Sood
'Young Researchers Conference on Applied Sciences' Universiti Teknologi MARA. 40450
Shah Alam Selangor Darul Ehsan, June 13-14, 2006

145. *The Study of Balance Energy at Different Collision Geometries*
Rajiv Chugh, Rajeev K. Puri
International Nuclear Physics Conference, Tokyo, Japan, June 1-5, 2007

146. *Mass Scaling of Fragments with Excitation Energy*
Yogesh K. Vermani, Rajeev K. Puri
International Nuclear Physics Conference, Tokyo, Japan, June 1-5, 2007

147. *Nature of Hadronic Matter Predicted by Charge Yields in $^{197}Au+^{197}Au$ Collision*
Jatinder K. Dhawan, Rajeev K. Puri
International Nuclear Physics Conference, Tokyo, Japan, June 1-5, 2007

148. *Light Charged Particles as an Indicator of Global Stopping in Heavy-Ion Collisions*
Jatinder K. Dhawan, Rajeev K. Puri,
International Nuclear Physics Conference, Tokyo, Japan, June 1-5, 2007

149 *Role of Different Skyrme Forces in Cluster Decay of $^{56}Ni^{*}$*
Narinder K. Dhiman, Rajeev K. Puri
International Nuclear Physics Conference, Tokyo, Japan, June 1-5, 2007

150 Fusion *of Heavy-Ions using Different Proximity Potentials*
Narinder K. Dhiman, Rajeev K. Puri
International Nuclear Physics Conference, Tokyo, Japan, June 1-5, 2007

151 New *Results of Multifragmentation using Dynamical Microscopic Theory*

Rajeev K. Puri, J. Dhawan and J. Aichelin
International Conference on Nuclear Frag, Kemer (Antalya, Turkey), Sep 24-Oct1, 2007

152. *The Mass Distribution Yield for ^{56}Ni Compound Nucleus using Different Skyrme Forces*
Narinder K. Dhiman and Rajeev K. Puri
1st Chandigarh Science Congress, Chandigarh, March 10-11, 2007

153. *Mean Field at the Balance Energy and Impact Parameter Dependence*
Rajiv Chugh and Rajeev K. Puri
1st Chandigarh Science Congress, Chandigarh, March 10-11, 2007

154. *Study of Multifragmentation at Balance Energy using Dynamical Microscopic Theory*
Jatinder K. Dhawan and Rajeev K. Puri
1st Chandigarh Science Congress, Chandigarh, March 10-11, 2007

155 Multifragmentation *and Nuclear Equation of State*
Jatinder K. Dhawan and Rajeev K. Puri
1st Chandigarh Science Congress, Chandigarh, March 10-11, 2007

156. *Probing Au+Au Reaction at Incident Energies of 600 MeV and 1000MeV Per Nucleons*
Yogesh K. Vermani and Rajeev K. Puri
1st Chandigarh Science Congress, Chandigarh, March 10-11, 2007

157 Balance *Energy and Thermalization in Heavy-Ion Collisions*
Aman D. Sood and Rajeev K. Puri
1st Chandigarh Science Congress, Chandigarh, March 10-11, 2007

158 *Mass Dependence of Fragmentation at Low Incident Energies*
Yogesh Vermani and Rajeev K. Puri
IWM 2007, Caen, France 4-7th, Nov. 2007

159 *A Pocket Formula for Fusion Barriers*
Ishwar Dutt, Narinder K. Dhiman and R.K. Puri
Symposium on Nuclear Physics, Sambalpur (India), **52** (2007) 357-358

160 *Role of Different Skyrme Forces in the Fusion of Heavy- Ion Reactions*.
Ishwar Dutt, Narinder Dhiman and R.K. Puri
Symposium of Nuclear Physics, Sambalpur (India), **52** (2007) 397-398

161 *Pattern of Fragments at the Balance Energy Using Dynamical Microscopic Theory*
J.K. Dhawan and R.K. Puri
Symposium of Nuclear Physics, Sambalpur (India), **52** (2007) 495-496

162 *Role of Momentum Correlations in Fragmentation and System Size Effects.*
J.K. Dhawan and R.K. Puri
Symposium of Nuclear Physics, Sambalpur (India), **52** (2007) 459-460

163 Significance *of Momentum Correlations in Low Density Heavy- Ion Collisions*
Rajiv Chugh and R.K. Puri

Symposium of Nuclear Physics, Sambalpur (India), **52** (2007) 499-500

164 *Mass Dependence of Onset of Multifragmentation in Heavy- Ion Collisions.*
Yogesh Vermani and R.K. Puri
Symposium of Nuclear Physics, Sambalpur (India), **52** (2007) 497-498

165 The *Study of Fusion Barriers Using Skyrme Energy Density Formalism*
Ishwar Dutt, Narinder K. Dhiman and Rajeev K. Puri
2nd Chandigarh Science Congress, PU Chandigarh March 14-15, 2008

166 *Analysis of Barrier of Balance Energy in Semi Central Heavy Ion Collisions*
Rajiv Chugh and Rajeev K. Puri
2nd Chandigarh Science Congress, PU Chandigarh March 14-15, 2008

167 *Mass Dependence of Peak IMF Emission in Heavy- Ion Collisions*
Yogesh K. Vermani and Rajeev K. Puri
2nd Chandigarh Science Congress, PU Chandigarh March 14-15, 2008

168 *On the stability of Gold Nucleus Using Momentum Dependent Interactions*
Supriya Goyal, Yogesh K. Vermani and Rajeev K. Puri
2nd Chandigarh Science Congress, PU Chandigarh March 14-15, 2008

169. Analytical Parametrization of Fusion Barriers for Different Surface Effects
Ishwar Dutt and Rajeev K Puri
DAE Symposium on Nuclear Physics Roorkee (India), **53** (2008) 449-450.

170 *On the Role of Symmetry Energy in Nuclear Stopping: Analysis of System Size Effects.*
Sanjeev Kumar, Suneel Kumar and Rajeev K. Puri
DAE Symposium on Nuclear Physics Roorkee (India), **53** (2008) 571-572

171 *Impact Parameter Dependence of Momentum Quadrupole in Symmetric Reactions*
Sanjeev Kumar, Suneel Kumar and Rajeev K. Puri
DAE Symposium on Nuclear Physics Roorkee (India), **53** (2008) 569-570

172 *Study of Elliptic Flow Near Balance Energy for Asymmetric Systems*.
Varinderjit Kaur, Suneel Kumar and Rajeev K. Puri
DAE Symposium on Nuclear Physics Roorkee (India), **53** (2008) 575-576

173 *Fragment Emission with Momentum Dependent Interactions and Finite Size Effects.*
Yogesh K. Vermani and Rajeev K. Puri
DAE Symposium on Nuclear Physics Roorkee (India), **53** (2008) 577-578

174 *Different Aspect of Vanishing of In-Plane Flow.*
Rajiv Chugh and Rajeev K. Puri
DAE Symposium on Nuclear Physics, Roorkee (India), **53** (2008) 565-566

175 *On the Stability of Fragments Formed in Heavy- Ion Collision using Microscopic Binding Algorithm.*
Supriya Goyal and Rajeev K. Puri
DPG conference, Bochum, Mar. 16 -20, 2009

176. *Isospin Effects on the System Size Dependence of Elliptic Flow at Intermediate Energies.*
Sanjeev Kmar, S. Kumar and R.K. Puri
Zakopane Conf, 1-7 Sept, Poland

177. *Mass Dependence of Fragments at Low Incident Energies.*
Y.K. Vermani and R.K Puri
IWM, 2007

178. *Study of Finite Size Effects and Stability of Nuclei Propagating Under Momentum Dependent Interactions.*
Supriya Goyal, Y.K. Vermani and R.K Puri
ENAM08 on Exotic Nuclei and Atomic Masses, Sept 7-13, 2008, Ryn Poland.

180. *Effect of Coloumb Interactions on Ca Isotopes and Fragmentation*.
Sanjeev Kumar, Suneel Kumar and R.K. Puri
3rd Chandigarh Science Congress, Panjab Univ Chandigarh (India) Feb 26-28, 2009,

181. *On the Fusion Barriers using Spin Density Dependent Potential.*
Sakshi Gautam and R.K. Puri
3rd Chandigarh Science Congress, Panjab Univ Chandigarh (India) Feb 26-28, 2009,

182. *Significance of Surface Effects in Heavy-Ion Fusion Process.*
Ishwar Dutt and R.K. Puri
3rd Chandigarh Science Congress, Panjab Univ Chandigarh (India) Feb 26-28, 2009,

183. *On the Stability of Fragments Formed in Heavy Ion Collisions using Micro Bound Concept*.
Supriya Goyal and R.K. Puri
3rd Chandigarh Science Congress, Panjab Univ Chandigarh (India) Feb 26-28, 2009,

184. *Balance Energy: Role of Impact Parameter, Equation of State and Cross-Section*
Rajiv Chugh and R.K. Puri
3rd Chandigarh Science Congress, Panjab Univ Chandigarh (India) Feb 26-28, 2009,

185. *Entropy Production in Heavy-Ion Collisions at Intermediate Energies*
Yogesh Vermani and R.K. Puri
3rd Chandigarh Science Congress, Panjab Univ Chandigarh (India) Feb 26-28, 2009,

186. *On the Fusion Barriers using Spin Density Dependent Energy Density Formalism*
Sakshi Gautam and R.K. Puri
Nuclear Structure and Dynamics, Dubrovnik, Croatia, May 4-8, 2009

187. *Production of Micro Bound Complex Clusters Using Light-Ion Collisions*
Supriya Goyal and R.K. Puri
Nuclear Structure and Dynamics, Dubrovnik, Croatia, May 4-8, 2009

188. *On the Stability of Fragments Formed in Heavy-Ion Collisions using Microscopic Binding Algorithm*
Supriya Goyal and R.K. Puri
Bochum 2009, Germany.,

189. *A Pocket Formulae for Fusion Barriers using Proximity Potentials*
Ishwar Dutt and Rajeev K.Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 298-299.

190. *The Production of Entropy in the Central Ca + Ca and Nb + Nb Collisions*
Yogesh K. Vermani and Rajeev K. Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 442-443.

191. *Influence of System Mass on the Emission of Intermediate Mass Fragments*
Sukhjit Kaur, Supriya Goyal and Rajeev K. Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 444-445.

192. *A Comparative Study of Excitation Function of Elliptical Flow with Experimental Findings*
Sanjeev Kumar, Suneel Kumar and Rajeev K. Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 446-447.

193. *Effect of System Size Asymmetry on Multifragmentation in Heavy-Ion Collisions*
Varinderjit Kaur, Suneel Kumar and Rajeev K.Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 448-449.

194. *Collective Flow and Balance Energy in Asymmetric Heavy-Ion Collisions*
Supriya Goyal, S. Gautam, Aman D. Sood and Rajeev K.Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 450-451.

195. *Participant-Spectator Matter at the Energy of Vanishing Flow*
S. Gautam, Aman D. Sood and Rajeev K. Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 452-453.

196. *Dependence of Balance Energy on Isospin Degrees of Freedom*
S. Gautam, Aman D. Sood and Rajeev K.Puri
Int. Symposium on Nuclear Physics, Mumbai (India), **54** (2009) 454-455.