

FIFTH NATIONAL SYMPOSIUM ON FRONTIERS IN PHYSICS

26 - 28 DECEMBER, 1995



PAKISTAN PHYSICAL SOCIETY
QUAID-I-AZAM UNIVERSITY



EDITORS :

G.MURTAZA

TAHIR FARID

SPONSORS :

DR.A.Q.KHAN RESEARCH LABORATORIES

PAKISTAN ATOMIC ENERGY COMMISSION

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PREFACE

It is a great pleasure for us to announce the publication of the proceedings of the Fifth National Symposium on Frontiers in Physics held by the Pakistan Physical Society from December 26-28, 1995 at the premises of the Quaid-i-Azam University Islamabad. The proceedings encompass several areas of physics such as Atomic & Molecular Physics, Nuclear Physics, High Energy Physics, Astrophysics, Plasma Physics, Laser Physics and Condensed Matter Physics. The invited lectures were delivered by the eminent physicists of Pakistan. Seminars highlighting research contributions of individual scientists were also given.

The aim of this Symposium as of others in the series was to bring the physics community of Pakistan together so as to share knowledge about the latest developments in different areas of the field as well as information of each others achievements. The Symposium was attended by about 200 participants from all over Pakistan representing universities, Pakistan Atomic Energy Commission, Dr.A.Q.Khan Research Laboratories, Pakistan Council for Scientific and Industrial Research, Center of Excellence for Solid State Physics, Centre for High Energy Physics, National Institute of Electronics and National Institute of Silicon Technology.

We are thankful to the Sponsors of the Symposium-Dr.A.Q.Khan Research Laboratories, Pakistan Atomic Energy Commission, Pakistan Science Foundation and Quaid-i-Azam University, without whose generous support this academic activity would have not been possible. Thanks are also due to many colleagues and research students who gave a helping hand in completing this task.

Prof. Dr. G.Murtaza
Chairman
Organising Committee

LIST OF PARTICIPANTS

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26 - 28 DECEMBER, 1995

	Name	Affiliation
1	Dr. C. A. Majeed	PINSTECH
2	Dr. Khalid Jamil	-do-
3	Dr. Imtihan Ilahi Qureshi	-do-
4	Mr. Munir Ahmad	-do-
5	Dr. K. A. Shoab	-do-
6	Dr. M. A. Shaikh	-do-
7	Dr. J. I. Akhter	-do-
8	Dr. Jamil A. A. Khan	-do-
9	Mr. Javed Bashir	-do-
10	Mr. Muhammad Arshad	-do-
11	Dr. Khalid M. Khan	-do-
12	Dr. M. Javed Akhter	-do-
13	Mr. M. Anwar-ul-Islam	-do-
14	Mr. Waqar Ahmad Butt	-do-
15	Dr. Hamid Saleem	-do-
16	Dr. Shafiq Ahmad Mujahid	-do-
17	Dr. Abdul Waheed	-do-
18	Ms. Rubina Shabeen	-do-
19	Dr. Shahnaz Malik	-do-
20	Mr. Rao Tahir Ali Khan	-do-
21	Mr. Muhammad Siddique	-do-
22	Mr. Noorullah	-do-
23	MR. Farooq Zafar	-do-
24	Dr. S. U. Chema	-do-
25	M. Ashraf Hussain	-do-
26	Mr. Khalid Saeed	-do-
27	Mr. Qamar-ul-Haq	-do-
28	Mr. Aqdas Naveed	-do-
29	Mr. Muhammad Asghar	-do-
30	Dr. Nisar Ahmad	-do-
31	Dr. Mudassar Ali Beg	-do-
32	Dr. S. A. Bhatti	-do-
33	Mr. Mohammad Iqbal	-do-
34	Mr. Muzaffar Iqbal Qazi	-do-
35	Ms. Khalida Perveen Gill	-do-
36	Ms. Nighat Yasmin	-do-
37	Dr. Shahid Munir Farooqi	-do-
38	Mr. Sultan Ahmad	-do-
39	Dr. Muhammad Anwar	PAEC
40	Dr. M. Salahuddin	-do-
41	Dr. M. Muntaz Raja	-do-
42	Mr. Abdul Hamid	-do-
43	Mr. Shahid Riaz Khan	-do-
44	Mr. Syed Tanweer Hasan	-do-
45	Dr. M. Suleman Qasir	-do-
46	Mr. Zia Ullah	-do-

47	Mr Maqsood-ul-Hasan Nasim	-do-
48	Mr Muhammad Abrar Hussain	-do-
49	Dr Shaukat H Khan	O Lab
50	Dr Badar Suleman	-do-
51	Dr S M Javed Akhtar	-do-
52	Dr Masroor Ikram	-do-
53	Dr Ghazanfar Hussain	-do-
54	Dr Tahira Nasreen	-do-
55	Dr Mobeen A Mir	-do-
56	Mr Mushuq Ahmed	-do-
57	Mr Muhammad Saleem	-do-
58	Mr Naveed K Piracha	-do-
59	Mr Aslam Zia	-do-
60	Mr Abid Ali	-do-
61	Dr Nasir M Mirza	CNS
62	Dr Anwar M Mirza	-do-
63	Dr Shahid Qamar	-do-
64	Mr Asloob A Mudassar	-do-
65	Mr Iftikhar Ahmed	CTC,H-9, Islamabad
66	Dr M Ashraf Atta	Dr. A. Q Khan Research Labs
67	Dr Nazeer Ahmad	-do-
68	Dr Tariq Khurshid	-do-
69	Dr Mian M Ashraf	-do-
70	Dr Muhammad Asghar	-do-
71	Dr Tajammul Hussain	-do-
72	Mr M Farooque	-do-
73	Mr Mohammad Khalid Alamgir	-do-
74	Dr Sheikh Shahdm	-do-
75	Dr Ahmad Affan Ghazi	-do-
76	Dr W Aslam Farooq	-do-
77	Dr Saeed Murtaza	-do-
78	Dr Rehan Akhter	-do-
79	Mr Abdul Hakim	-do-
80	Mr M Ajmal H Hamdani	-do-
81	Mr Azhar Iqbal	-do-
82	Mr Sajid Qamar	-do-
83	Mr Mureed Hussain	-do-
84	Dr Pervez Akhter,CRO	NIST, Islamabad
85	Dr Nazir Ahmad Malik	GIK Institute Topi Swabi
86	Dr Fida Younus Khattak	-do-
87	Dr Tariq Iqbal	-do-
88	Dr Q K Ghori	-do-
89	Dr M N Qazi	-do-
90	Mr Muhammad Khizar	-do-
91	Mr Asghar Nawaz Kayani	-do-
92	Dr Ishaq Ahmad	-do-
93	Dr M Khaliq-ur-Rehman	UETLHR
94	Dr Saadat A Siddiqui	Punjab Uni Lahore
95	Dr Tariq Abdullah	CSSP Lahore
96	Dr Hassan Amir Shah	-do-
97	Mr Afaq Ahmad	-do-
98	Ms Talat Maqbool	-do-
99	Mr Rashid Ali	-do-
100	Ms Zarqa Zahid	-do-

101	Ms Mubashra Hameed	-do-
102	Mr Khurshid Aslam	-do-
103	Mr Khalid Mahmood	-do-
104	Dr M Zakria Butt	GC Lahore
105	Mr Rashid Najeem	-do-
106	Mr Muhammad Anjad Farooq	-do-
107	Mr Muhammad Amir	-do-
108	Mr Amir Habib	-do-
109	Mr Ijaz Ahmad	-do-
110	Shabnam Jabeen	-do-
111	Ms Mahira Pervez	-do-
112	Mr Mohammad Arif	-do-
113	Ms Avesha Siddiqua	-do-
114	Mariam Ahmed Khawaja	-do-
115	Mr Mazhar ud din Rana	BZU Multan
116	Dr Shujaat Mahmood Khalid	G C Jiang
117	Dr M Hassan Syed	T J College Rabwah
118	Dr Akbar Ali	GCE, Faisalabad
119	Dr Iqbal A Khan	Karachi Uni
120	Dr S M M R Naqvi	-do-
121	Dr Fayaz Hussain Malir	Shah Latif U Khairpur, Sindh
122	Dr M Maroof Khushk	University of Sindh, Jamshoro
123	Dr M Riaz Khan	Peshawar University
124	Dr Abdul Kabir	-do-
125	Dr Fazal-ur-Rehman	-do-
126	Mr Shahid Naseer	-do-
127	Dr Arshad Iqbal	AJK University
128	Dr Muhammad Ayub	Gomal University
129	Dr Shamsur Rahman	Kohat
130	Mr Syed Abdul Sattar	Quetta Uni
131	Mr Muhammad Majid Umar	FCE, Islamabad
132	Mr Javaid Iqbal	IU, Islamabad
133	Mr Masood Ahmad	NPSL, Islamabad
134	Mr Mohammad Afaf	F-6/1, Islamabad
135	Mr Dost Muhammad Malik, Assoc P	GC Asghar Mall Rawalpindi
136	Mr Muhammad Sharif	-do-
137	Dr G Murtaza	QAU
138	Dr Kamaluddin Ahmed	-do-
139	Dr M Zafar Iqbal	-do-
140	Dr Farid A. Khwaja	-do-
141	Dr M Aslam Bang	-do-
142	Dr Pervez A Hoodbhoy	-do-
143	Dr Asghar Maqsood	-do-
144	Dr Sarfuddin	-do-
145	Dr A H Nayyar	-do-
146	Dr Nasim Zafar	-do-
147	Dr Arshad M Mirza	-do-
148	Dr (Mrs) Nasim Zafar	-do-
149	Dr S K Hasanain	-do-
150	Dr Sajjad Mahmood	-do-
151	Dr M Zakaullah	-do-
152	Dr Samina Saleem Masood	-do-
153	Dr M Khalid Khan	-do-
154	Dr Inrana Ashraf	-do-

155.	Dr. Muhammad Yaquab Nasir, Maths	-do-
156.	Dr. Farhat Nadeem Beg	QAU/Imperial College London
157.	Dr. Mehnaz Qadir Haseeb	QAU
158.	Mr. Athar Husam	-do-
159.	Mr. Sher Ahmed Satti	-do-
160.	Mr. M. Yasin Chohan	-do-
161.	Mr. Noor Abbas Din Khattak	-do-
162.	Mr. Muhammed Iqbal	-do-
163.	Mr. Tahir Farid	-do-
164.	Samia Kausar	-do-
165.	Mr. Shahzad Mahmood	-do-
166.	Mr. Muhammed Shafique	-do-
167.	Mr. Muhammad Asif	-do-
168.	Mr. Syed Murtaza Ali Pirzada	-do-
169.	Mr. Zahoor Ahmad	-do-
170.	Mr. M. Muneeb Asim	-do-
171.	Mr. M. Atif	-do-
172.	Mr. Tauqir Ahmad	-do-
173.	Ms. Lubna Nasim	-do-
174.	Mr. Naseem Abbas Sherazi	-do-
175.	Mr. Muhammad Shafqat Mahmood	-do-
176.	Mr. Muhammad Ifkhar Hussain	-do-
177.	Ms. Uzma Khanum	-do-
178.	Mr. Muhammad Saleem	-do-
179.	Mr. Mr. Asif Khan	-do-
180.	Ms. Shamona Ahmed	-do-
181.	Mr. Muhammad Anwer Mughal	-do-
182.	Mr. Aiman Abd Al-Ghaffar M. Al-Omar	-do-
183.	Mr. Akram K. S. Aqili	-do-
184.	Ms. Sadia Manzoor	-do-
185.	Mr. Noor Mail	-do-
186.	Mr. Hafiz Farooq Ahmad	-do-
187.	Mr. Syed Noor Hussain Shah	-do-
188.	Mr. Mubarak Ahmed Minhas	-do-
189.	Mr. Fazal Ghafoor	-do-
190.	Mr. Aurang Zeb	-do-
191.	Mr. Zafar Waqar	-do-
192.	Mr. Jehangir Khan	-do-
193.	Mr. Anyad Hussain	-do-
194.	Mr. Farida Perveen	-do-

LIST OF SPEAKERS

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1. C.A. Majeed
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4. Pervez Hoodbhoy
5. S.K. Hasanain
6. M. Zafar Iqbal
7. Farhat Nadeem Beg
8. Saadat A. Siddiqui
9. Tariq Abdullah
10. Hassan Amir Shah
11. M. Zakria Butt
12. Tariq Iqbal
13. M. Nasir Mirza
14. Anwar M. Mirza
15. Shahid Qamar
16. Asloob A. Mulassar
17. Khalid Jamil
18. Munir Ahmad
19. M.A. Shaikh
20. J.I. Akhter
21. Jamil A.A. Khan
22. Javed Bashir
23. Muhammad Arshad
24. Khalid M. Khan
25. M. Javed Akhter
26. Hamid Saleem
27. S.A. Bhatti
28. Mohammad Iqbal
29. Muzaffar Iqbal Qazi
30. Shahid Munir Farooqi
31. M. Mumtaz Raja
32. Muhammad Maqbool
33. Mohammad Siddique
34. Tariq Khurshid
35. Mian M. Ashraf
36. Muhammad Asghar
37. Tajammul Hussain
38. Iqbal A. Khan
39. S.M.M.R. Naqvi
40. M. Hassan Syed
41. Asghari Maqsood
42. Nasim Zafar
43. M. Zakaullah
44. Arshad M. Mirza

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