

## CURRICULUM VITAE

### **Personal Data**

Name : Dr. M. Qadeer Afzal Malik

Father's Name : Muhammad Afzal Malik

Date of Birth : 02-03-1974

N.I.C# : 35202-1472972-9

Nationality : Pakistani

Marital status : Married

Gender : Male

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**Designation** : Assistant Professor

### **Qualification:**

Level	Division / % marks	BOARD/UNIVERSITY
Matric	1 <sup>st</sup> / 71.88%	BISE Lahore
F.Sc.	1 <sup>st</sup> / 63.00%	BISE Lahore
B.Sc.	1 <sup>st</sup> / 61.63 %	Punjab University
M.Sc.(Physics)	1 <sup>st</sup> / 62.83%	Punjab University
M.Phil(H.E.Physics)	1 <sup>st</sup> / 73.25%	Punjab University
PhD	Field: Experimental H.E.Physics	IHEP, Beijing China

**Field of Research:**

Experimental High Energy Physics

**Experience :**

<b>Designation</b>	<b>Duties</b>	<b>Time Period</b>	<b>Institute</b>
Assistant Professor	Research and Teaching	From April 2011	Punjab University
<b>Lecturer</b>	Post graduate & undergraduate Teaching	From 2002 -2011	Punjab University
<b>Research Scholar</b>	Research work	From October 2001 - Nov.2002	Punjab University
<b>Research Associate</b>	Research work	From 2000 - 2001	Under the Project of Pakistan Science Foundation (PSF)

**Publications:**

1. “Total Cross Section at High Energies- An update”, *comm.un Theor Phys* **38** 687 (2002).
2. “How fast is the growth of total cross section at high energies?”, published in the proceeding of 28th International Cosmic Ray Conference, pp. 1575–1578 (2003).
3. “Search for Odderon in Theory and Experiment”, *Int. J. Mod Phys. A* **19** 4455 (2004).
4. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, *PLB* **662**, 330 (2008).
5. M. Ablikim M.Q.A. Malik, et al, BES Collaboration, *Physics Letters B* **665** (2008) 16–19.
6. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, *Physics Letters B* **670** (2008) 179–183.
7. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, *Physics Letters B* **670** (2008) 184–189.
8. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, *Physical Review D* **78**, 092005 (2008).

9. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Physical Review D 77, 032005 (2008).
10. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, PRL 100, 102003 (2008).
11. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Physical Review D 80, 052004 (2009).
12. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Physics Letters B677, 239 (2009).
13. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Physics Letters B676, 25 (2009).
14. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Eur.Phys.J.C 66, 11 (2010).
15. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Phys.Lett.B685:27-32,2010
16. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Phys. Rev. D 81, 012003 (2010)
17. M. Ablikim, M.Q.A. Malik et al, BES Collaboration, Phys.Lett.B693:88-94,2010
18. BES Collaboration "Evidence for  $\Psi' \rightarrow \gamma \pi^0$  and  $\gamma \eta$  " (2010) Phys. Rev. Lett. Vol:105 pp:261801
19. BES Collaboration "Study of  $\chi_{cJ}$  radiative decays into a vector" (2011) Phys. Rev. D Vol:83 pp:112005
20. BES Collaboration " $\eta\pi^+\pi^-$  Resonant Structure around 1.8GeV/c<sup>2</sup> and  $\eta(1405)$  in  $J/\psi \rightarrow \omega\eta\pi^+\pi^-$  " (2011) Phys. Rev. Lett. Vol:107 pp:182001
21. BES Collaboration "Measurement of the Matrix Element for the Decay  $\eta' \rightarrow \eta\pi^+\pi^-$ " (2011) Phys.Rev. D Vol:83 pp:012003
22. BES Collaboration "Search for CP/P violation process pseudoscalar decays into  $\pi\pi$ " (2011) Phys. Rev. D Vol:84 pp: 032006

23. BES Collaboration "Observation of  $\chi_{c1}$  decays into vector meson pairs  $\phi\phi$ ,  $\omega\omega$  and  $\omega\phi$ " (2011) Phys. Rev. Lett. Vol:107 pp: 092001
24. BES Collaboration "Study of  $a_0(980)$ - $f_0(980)$  mixing. " (2011) Phys.Rev.D Vol:83 pp:032003
25. BES Collaboration "First Observation of the Decays  $\chi_{c1} \rightarrow \pi^0 \pi^0 \pi^0 \pi^0$  " (2011) Phys.Rev. D Vol:83 pp:012006
26. BES Collaboration "Confirmation of the X(1835) and observation of the resonances  $\chi(2120)$  and  $\chi(2370)$  in  $J/\psi \rightarrow \gamma \pi^+ \pi^- \eta$ " (2011) Phys.Rev.Lett. Vol:106 pp:072002

Research publications for the period 1<sup>st</sup> Jan 2012 to 30<sup>th</sup> June 2012.

Sr. No	Name of Faculty Member	Title of Research Paper	Name of Publishing Journal	Vol.	Imp Fac (IF)
1	Dr. Qadeer Afzal	Two-photon widths of the $\chi_{c_{0,2}}$ states and helicity analysis for $\chi_{c2} \rightarrow \gamma\gamma$ (BESIII Collaboration)	Phy.Rev.D.	85	4.
2	Dr. Qadeer Afzal	Measurements of the Mass and Width of the $\eta_c$ Using the Decay $\psi(3686) \rightarrow \gamma\eta_c$ (BESIII Collaboration)	Phys. Rev. Lett.	108	7.
3	Dr. Qadeer Afzal	Search for a light exotic particle in $J/\psi$ radiative decays (BESIII Collaboration)	Phy.Rev.D.	85	4.
4	Dr. Qadeer Afzal	First Observation of $\eta(1405)$ Decays into $f_0(980)\pi^0$ (BESIII Collaboration)	Phys. Rev. Lett.	108	7.
5	Dr. Qadeer Afzal	Spin-Parity Analysis of $p\bar{p}$ Mass Threshold Structure in $J/\psi$ and $\psi(3686)$ Radiative Decays (BESIII Collaboration)	Phys. Rev. Lett.	108	7.

## **Conferences Attended**

1. One day workshop on Lasers and Nanotechnology, (June, 2012).
2. International Scientific Spring, (5 -9, March), 2012.
3. BES Collaboration meeting (Nanjing, China), 2011
4. Ist Workshop on Research Management (27<sup>th</sup> July 2010) at IQTM, Punjab University
5. 2<sup>nd</sup> Workshop on Research Management (November 12, 2010) at IQTM, Punjab University, Lhr
6. International Workshop on Tau-Charm Physics, June 05-07, 2006, Beijing , China
7. 4<sup>th</sup> Particle Workshop (November14-19, 2005), held by National Centre for Physics (Quaid-i-Azam University), Islamabad.
8. Seminar on General Theory of Relativity, held at centre for High Energy Physics, University of the Punjab (8-10 February , 2005).
9. Participated in the 32nd International conference on High Energy Physics, ICHEP'04 , Beijing (China), August 2004.
10. World Conference on 21<sup>st</sup> Century mathematics ( March 18-20)2004 , Lahore , Pakistan.
11. 3rd Workshop on Particle Physics (March 8 to 13, 2004), held by National Centre for Physics (Quaid-i-Azam University), Islamabad.
12. Conference held by Pakistan Institute of Physics (PIP) at Lahore (21- 23 October 2003).
13. 27th International Nathiagali Summer College on Physics & Contemporary needs (24 June to 6th July 2002).
14. Workshop on String Theory (21April to 11 May 2001) (Quaid-i-Azam University), Islamabad.
15. Workshop on Particle Physics (19-25 Nov.2000) (Quaid-i-Azam University), Islamabad.
16. National Symposium on Relativity (19-20 Nov.1999) (Quaid-i-Azam University), Islamabad.

**Supervision:**

1. Supervised 2 Thesis of M.phil. students
2. Supervising 4 thesis of M.Phil. students
3. Supervised 12 Projects of MSc/BSc(Honour) students