Department of Physics
Faculty of Science / University of Peradeniya



Dr. J.A.C.P. Jayalath

B.Sc. (Perad.), Ph.D. (Hampton, USA)

Senior Lecturer

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Higher Education Qualifications

PhD

Hampton University, Hampton, Virginia
USA
(2010)

BSc

University of Peradeniya
Sri Lanka
(2001)

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Awards, Scholarships, Memberships & Fellowships



Nothing to show under this subheading !!!

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Positions Held

- Senior Student Counselor, Faculty of Science, University of Peradeniya
- Secretary, Curriculum Development Committee, Faculty of Science, University of Peradeniya
- Board Member, Board of Study in Physics, Postgraduate Institute of Science, University of Peradeniya
- Co-ordinator, M.Sc. programme in Medical Physics, Postgraduate Institute of Science, University of Peradeniya
- Chairman, Curriculum Development Committee, Faculty of Science, University of Peradeniya
- Academic Counselor, Faculty of Science, University of Peradeniya

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My Teachings

- PH205: Thermal and Statistical Physics
- PH370: Mathematical Methods in Physics
- PH433: Nuclear and Reactor Physics

Research Interests (Research Fields/ Projects)

Core research field lies in theoretical hadronic physics, and in particular major interest is in baryon phenomenology and applied nuclear physics.

Ongoing Research and Projects

- **Hadron phenomenology at different quark masses**
- **Neutron activation analysis for material identification**

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Key Publications

Phys. Rev. - (2011)

Negative parity baryon decays in the 1/Nc expansion,

Phys. Rev. - (2009)

Analysis of 56-plet Positive parity baryon decays in the 1/Nc expansion,

Conferences

Nothing to show under this subheading !!!

My Publications

Please goto the website.

https://sci.pdn.ac.lk/physics/staff/Chandana-Jayalath

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