

Joint Event
Proceedings of 5TH INTERNATIONAL CONFERENCE ON

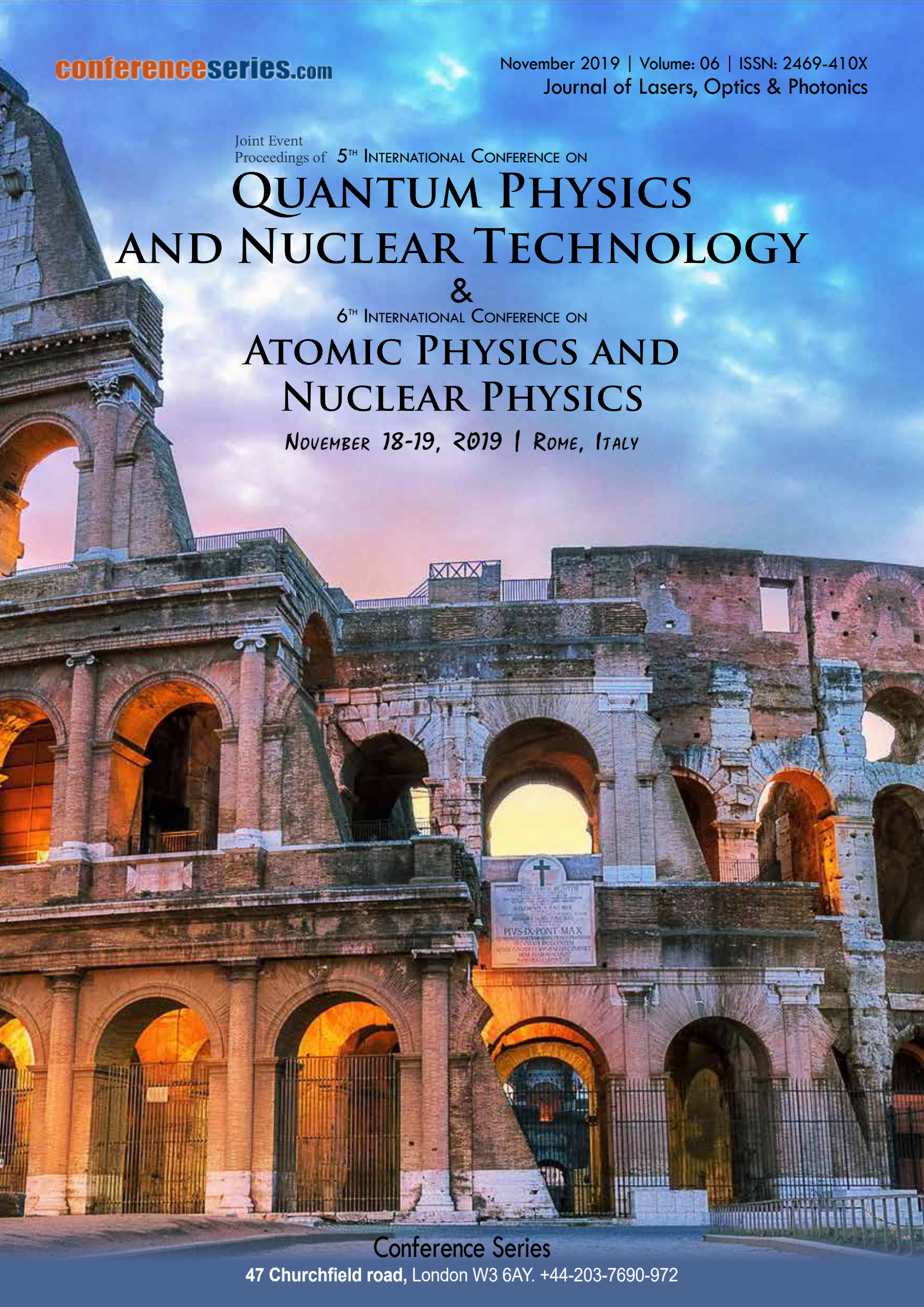
QUANTUM PHYSICS AND NUCLEAR TECHNOLOGY

&

6TH INTERNATIONAL CONFERENCE ON

ATOMIC PHYSICS AND NUCLEAR PHYSICS

NOVEMBER 18-19, 2019 | ROME, ITALY



Day 1 November 18, 2019

08:00-09:00 Registrations Open

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09:00-09:25

Opening Ceremony

Keynote

09:25-09:30 Introduction

09:30 10:10 **Title: New perspectives on controlling steady-state entanglement**

Mahmoud Abdel-Aty, Sohag University, Egypt

10:10-10:50 **Title: New factor of duality measurement**

Salah Arafa, University in Cairo, Egypt

Networking and Refreshments Break along with Group Photo 10:50-11:10 @ Foyer

11:10-11.50 **Title: The Last tango of the Finite Graviton**

Ben Campbell, Distinguished Researcher, UK

11:50-12:30 **Title: From Physics to C-level positions**

Gianluca Orecchini, Pedersen & Partners, Italy

Oral Presentations

Sessions: Quantum Mechanics | Nuclear Physics | Nuclear Astrophysics | Materials in Nuclear Energy Systems | Theoretical Quantum Physics | Quantum Information System | Quantum Physics | Quantum Field Theories | Quantum Condensed Matter Physics

Chair: Ben Campbell, Distinguished Researcher, United Kingdom

12:30-13:00 **Title: Discovery of the origin of the universe, discovery the source of the sun's formation**

Alon Yarel, Alien- Science Association of Astronomy Org.il research company, Israel

Networking & Lunch Break 13:00-14:00 @ RBG

14:00-14:30 **Title: Science in fiction**

Tina Matzat, Qbit Films, Berlin

14:30-15:00 **Title: Engineering entanglement of a general two- levels Atom interacting with the environment**

Manal Gamal Eldin Mohamed, Beni-Suef University, Egypt

15:00-15:30 **Title: The quantum future of body armors**

Michael D Norton, University of York, UK

15:30-16:00 **Title: New factor of duality measurement**

Ahmed Mostafa Mohammed Elsheekh, Obour Institute for Engineering and Technology, Egypt

Poster & Networking-Refreshments Break 16:00-16:30 @ Foyer

Poster

MP01

Title: Gas core nuclear rocket engine for interstellar space travel

Sagarika Chikhale, Sapienza University School of Aerospace Engineering, Italy

Oral Presentations

16:30-17:00 **Title: Superdiffusive transport in the geospace environments with shear flows**

Khatuna Chargazia, Tbilisi State University, Georgia

17:00-17:30 **Title: RISK CDT: PhD studentship in new approaches for modelling and simulation in nuclear power plants**

Sebastian Davies, University of Liverpool, UK

17:30-18:00 **Title: New empirical formulae for the in-medium nucleon-nucleon cross-section**

M.Y.H. Farag, Cairo University, Egypt

YRF

18:00-18:30 **Title: Gas core nuclear rocket engine for interstellar space travel**

Pattan Akram, Sapienza University School of Aerospace Engineering, Italy

Video Presentation

18:30-18:45 **Title: The Maxwell-Cassano equations of an electromagnetic-nuclear field yields the fermion masses**

Claude Michael Cassano, San Jose State University, USA

Panel Discussion

Awards & Closing Ceremony