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M. B. Paranjape • Richard MacKenzie
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Editors

Quantum Theory and Symmetries

Proceedings of the 11th International
Symposium, Montréal, Canada

 Springer

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Preface

This book is the proceedings volume of the Symposium Quantum Theory and Symmetries-XI (QTS-XI) that was held in Montréal from July 1st to 5th, 2019. The symposium consisted of nine sessions including a special session in honour of Professor Decio Levi of the University Roma Tre and the sessions: Algebraic Methods, Condensed Matter Physics, Cosmology and Gravitation, Integrability, Non-perturbative QFT, Particle Physics, Quantum Computing and Quantum Information Theory and String Theory/AdS-CFT. Each session was associated with one or two plenary speakers followed by parallel sessions with speakers of invited and contributed talks. For complete information, please visit the website: http://www.crm.umontreal.ca/2019/QTS2019/index_e.php. Several of the plenary speakers and many of the invited and contributing speakers have supplied a contribution to this proceedings volume. It is intended for use by students, researchers and professors in a wide range of fields from mathematical physics to more mainstream physics as evinced by the topics of the various parallel sessions. It should allow the reader to grasp the breadth and scope of the vast field of quantum theory and symmetries.

As these proceedings were being completed, our dear colleague, mentor and friend Pavel Winternitz passed away. We wish to dedicate this volume to him in recognition of his scientific legacy and as an expression of our gratitude.

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June 2020

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QTS-XI was organized at the Centre de recherches mathématiques, Université de Montréal, Montréal, Québec, Canada from July 5th to 9th, 2019.

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