Proceedings 18th international conference on quantum physics and logic, QPL, Gdansk, Poland, and online, June 7–11, 2021. (English) Zbl 07544352

From the preface: This volume contains the proceedings of the 18th International Conference on Quantum Physics and Logic (QPL 2021), June 7–11, 2021 online at the International Centre for Theory of Quantum Technologies (ICTQT) at the University of Gdańsk, Poland and was attended by 768 registered participants.

QPL is a conference that brings together researchers working on mathematical foundations of quantum physics, quantum computing, and related areas, with a focus on structural perspectives and the use of logical tools, ordered algebraic and category-theoretic structures, formal languages, semantical methods, and other computer science techniques applied to the study of physical behaviour in general. Work that applies structures and methods inspired by quantum theory to other fields (including computer science) was also welcome.


The articles of this volume will be reviewed individually. For the preceding conference see [Zbl 07544350].

MSC:
81–06 Proceedings, conferences, collections, etc. pertaining to quantum theory
81Pxx Foundations, quantum information and its processing, quantum axioms, and philosophy
00B25 Proceedings of conferences of miscellaneous specific interest

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