

PREFACE

Driven by the Visegrad Group's vision of a closely connected Central Europe, the "V4HEP — Theory and Experiment in High-Energy Physics" workshop series aims to cultivate a vibrant regional community in high-energy physics. By bringing together researchers from the Czech Republic, Hungary, Poland, and Slovakia, this initiative promotes scientific exchange, strengthens expertise, and enhances the collective impact of our community on the global stage.

Bratislava	Budapest	Prague	Warsaw
Faculty of Mathematics, Physics and Informatics, Comenius University 26–28 July, 2023	HUN-REN Wigner Research Centre for Physics 12–14 March, 2024	Institute of Experimental and Applied Physics, Czech Technical University in Prague 1–4 October, 2024	Physics Department, University of Warsaw 28–31 October, 2024
			

This volume contains selected contributions presented during the meetings. The workshops were designed in a school-style format, with plenary lectures intended to educate students and colleagues from other fields. This brought together colleagues from neighboring countries working in both experimental and theoretical high-energy physics. We especially aimed to foster the participation of young researchers and gender balance throughout the series.

We thank all participants for their scientific input and collegial spirit, as well as the organizing team and supporting institutions for making the workshops a success. We are especially grateful for the open, constructive, and friendly atmosphere that made this meeting both intellectually rewarding and personally enjoyable. Special thanks to the Visegrad Foundation for their financial support.

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