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FOREWORD

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FOREWORD

The 39th Winter School ‘Geometry and Physics’ took place at the usual place, the village Srní in the Czech Republic, in the period January 12 – January 19, 2019. The Winter School was organized by the Union of Czech Mathematicians and Physicists, together with the Masaryk University and the Charles University.

During the School, six invited lecture series were presented: *Quantum flag manifolds: From quantum groups to noncommutative geometry* by **Réamonn Ó Buachalla**, *Deformation theory through examples* by **Yaël Frégier**, *Overdetermined systems of PDEs: Formal theory and applications* by **Boris Kruglikov**, *Topics in string theory* by **Ruben Minasian**, *From braids to quantization* by **Pavol Ševera**, and *Noncommutative algebraic geometry based on quantum flag manifolds* by **Jan Šťovíček**. In the rest of the program, many further lectures, communications, and posters were presented in two sections.

The Proceedings of this School contain 7 contributions by the participants.

Editor: Martin Čadek