

Discussion PSV IV Tue 17:45 ZHG011
Panel Discussion: “A century after 1925: Do we now understand quantum mechanics?” — ●GIANFRANCO BERTONE¹, ●ANTON ZEILINGER², ●WOJCIECH ZUREK³, ●REINHARD WERNER⁴, and OTHERS TBA⁵ — ¹University of Amsterdam, Netherlands — ²University of Vienna, Austria — ³Los Alamos National Lab, USA — ⁴Leibniz University Hannover, Germany — ⁵TBA
Exactly 100 years ago Werner Heisenberg’s ”Umdeutung” paper set a

radical change of our understanding of nature in motion. The classical worldview was replaced by quantum theory, leading to many conceptual and fundamental challenges which are still with us today.
This panel discussion at the birthplace of this paradigm shift aims to answer the question of how much progress has been made regarding these issues since 1925. Is there still a problem, and if yes what exactly is it?