

**Dr Haim Beidenkopf**  
**Condensed Matter Physics**  
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Dr Haim Beidenkopf did his BSc studies in physics and computer sciences at the Tel-Aviv University, and his MSc and PhD at the Weizmann Institute of Science. He did his post-doctorate research at Princeton University, NJ, as a Dickie fellow. He joined the Physics faculty at the Weizmann institute of Science at 2012 as a senior scientist.

Dr Beidenkopf's research group studies topological and correlated electronic states on the atomic scale. The interaction between the electrons and the crystalline environment results in complex electronic structures. Topological band structure in the bulk of the sample induces surface states with unusual properties as relativistic-like dynamics as those surface electrons were massless photons. The group uses and develops electronic microscopy techniques for imaging electronic interference patterns in which those unique properties are imprinted. His research awarded Dr Beidenkopf with several honors among them the ARCHES prize, The Israel Physics Society excellence prize, and the Levinson prize by the Weizmann Institute of Science scientific council.