

International Workshop

Individuality, Distinguishability, and (Non-)Entanglement

BONN UNIVERSITY

15 – 17 March 2018

SPEAKERS

Tomasz Bigaj
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TOPIC

Regarding the ontology of quantum objects, there are two main views: either such objects violate Leibniz's Principle of the Identity of Indiscernibles (PII), or the PII can be saved but only in an extremely weak sense. However, based on a careful distinction between pure permutation invariance and physical entanglement matters may be interpreted very differently—particularly, one might be able to save the PII in a strong sense. In light of this new twist, we will reconsider the historical background of the debate on the PII, its logical aspects (e.g. the 'labelling problem'), and the pertinent metaphysical commitments.

VENUE

Internationales Zentrum für Philosophie Bonn

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