

# ONTOLOGY, MATTER AND EMERGENCE

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## Abstract

“ Ontological emergence” of inherent high-level properties with causal powers is witnessed nowhere. A non-substantialist conception of emergence works much better. It allows downward causation, provided our concept of causality is transformed accordingly.

**Keywords:** Emergence, quantum mechanics, dispositions, inter-level causation, downward causation, inter-level reduction

**Subjects:** [General Issues: Causation](#)  
[General Issues: Reductionism/Holism](#)  
[General Issues: Operationalism/Instrumentalism](#)  
[Specific Sciences: Physics: Quantum Mechanics](#)

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**Deposited By:** [Bitbol, Michel Guy Simon](#)

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