

BOTTOM-UP CAUSALITY IN A NEW SETTING

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It is argued that, taking into account both theoretical and experimental sides of the physical method, a quite common view that physics cannot grasp the truly causal dependencies but only temporal sequences of events, is simply false. Then the interaction of bottom-up and top-down causalities, and its role in shaping the structure of the world is briefly reviewed (basing mainly on George Ellis' works). Finally, the question is asked: how this account of causality could be modified by the advent of the theory of quantum gravity?