

## **No presentism in quantum gravity**

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In his contribution to the first of what has now turned out to be a highly successful series of conferences on the ontology of spacetime, Bradley Monton presented a case for the compatibility of presentism with quantum gravity. He claimed that this compatibility arises because there are various different quantum theories of gravity that use fixed foliations of spacetime and that such fixed foliations provide a home for a metaphysically robust notion of the present. In this talk, I argue that there are not really any complete quantum theories of gravity, that the most promising approaches to quantum gravity do not offer any respite for presentism, and that those approaches to quantum gravity that do rely on fixed foliations such as the constant mean curvature proposal are not as amenable to presentism as Monton thinks they are. Thus, he and other presentists should not hold their breath on this one.