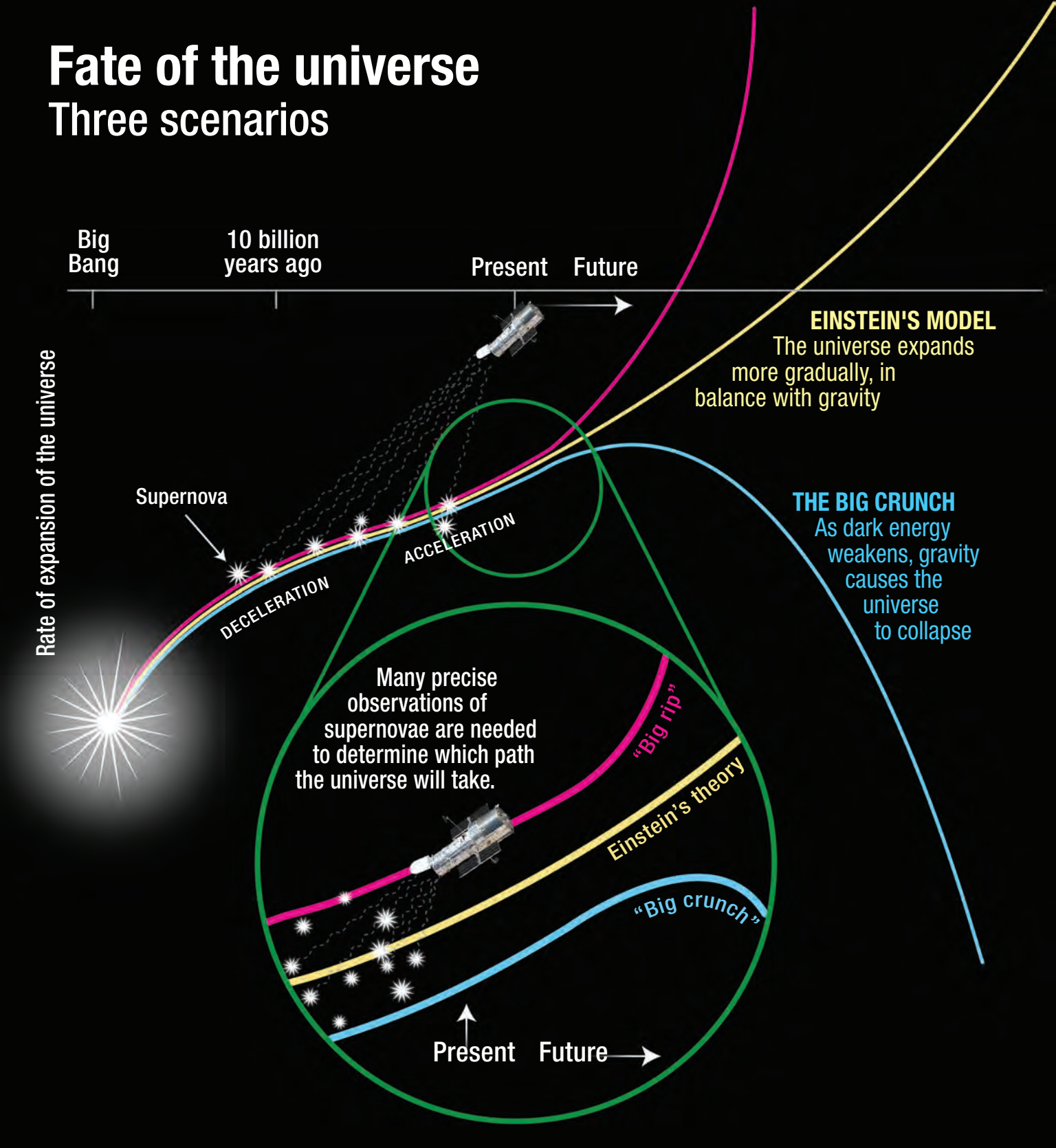
Fate of the universe

Three scenarios