Star formation history Threshold-based model Padoan et al. (2012) Semenov et al. (2016) Evans et al. (2022) Federrath & Klessen (2012) without temperature cut  $10^{1}$ SFR [M<sub>☉</sub> yr<sup>-1</sup>.  $10^{0}$  $10^{-1}$ 0.2 0.4 0.0 0.6 8.0 1.0 1.2 1.4 Time [Gyr]