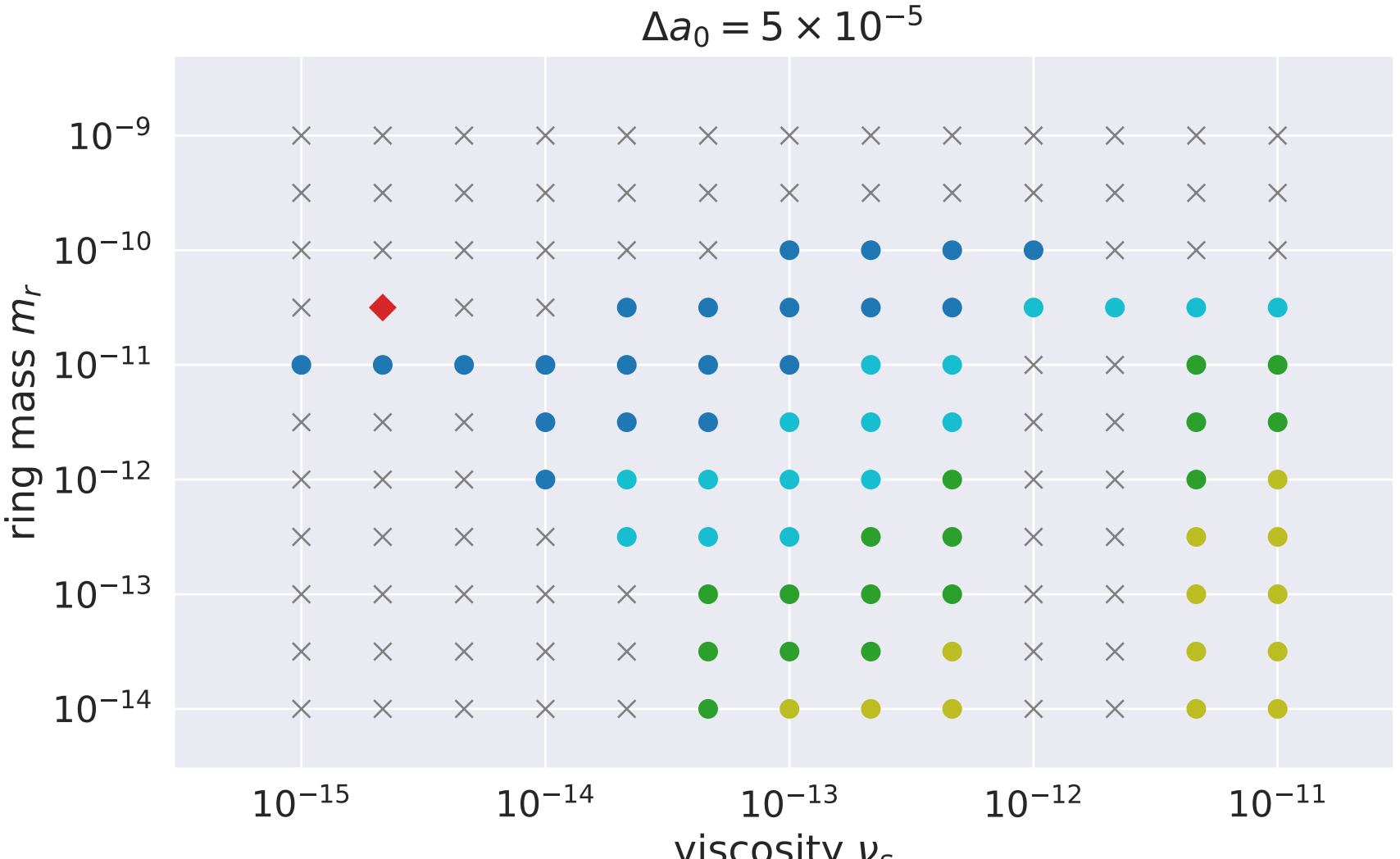
$\Delta a_0 = 5 \times 10^{-5}$
ring mass $m_r$
$10^{-9}$
$10^{-10}$
$10^{-11}$
$10^{-12}$
$10^{-13}$
$10^{-14}$
$10^{-15}$
$10^{-14}$
$10^{-13}$
$10^{-12}$
$10^{-11}$
viscosity $\nu_s$