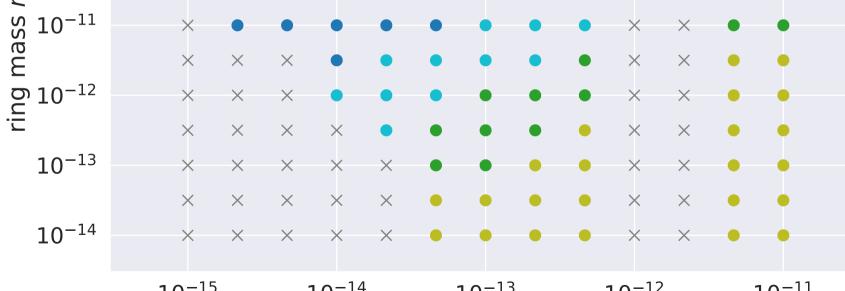
## $10^{-9}$ X X X X X X X X × X X X X X X X X $10^{-10}$ X X X X X × X X X $10^{-11}$ X

 $\Delta a_0 = 5 \times 10^{-5}$ 



 $10^{-15}$  $10^{-13}$  $10^{-11}$  $10^{-14}$  $10^{-12}$ viscosity  $v_s$