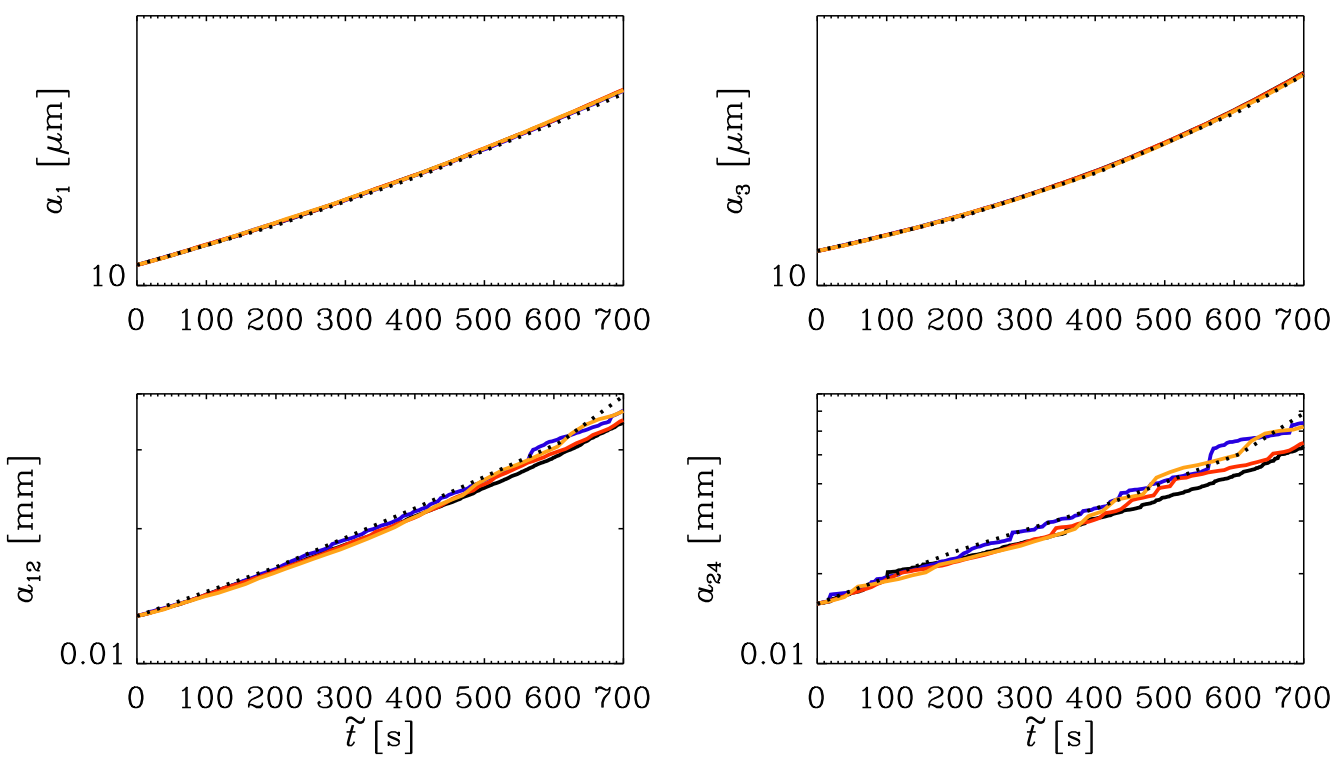
$n_0=10^{12}$

$n_0=10^{13}$