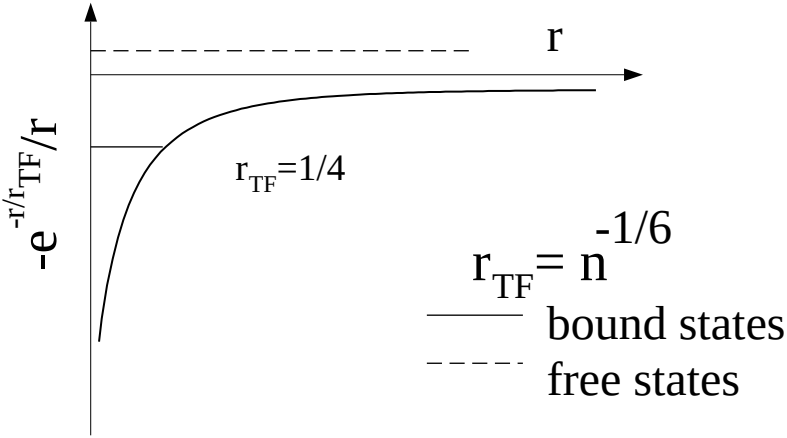
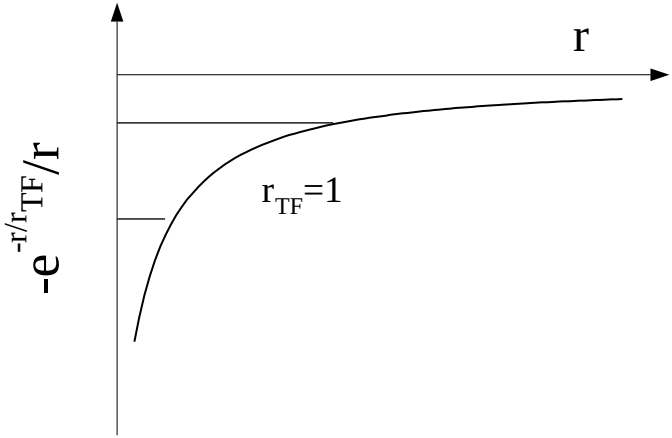

r
$-e^{-r/r_{TF}}/r$
$r_{TF}=1/4$
$r_{TF}= n^{-1/6}$
bound states
free states


r
$-e^{-r/r_{TF}}/r$
$r_{TF}=1$