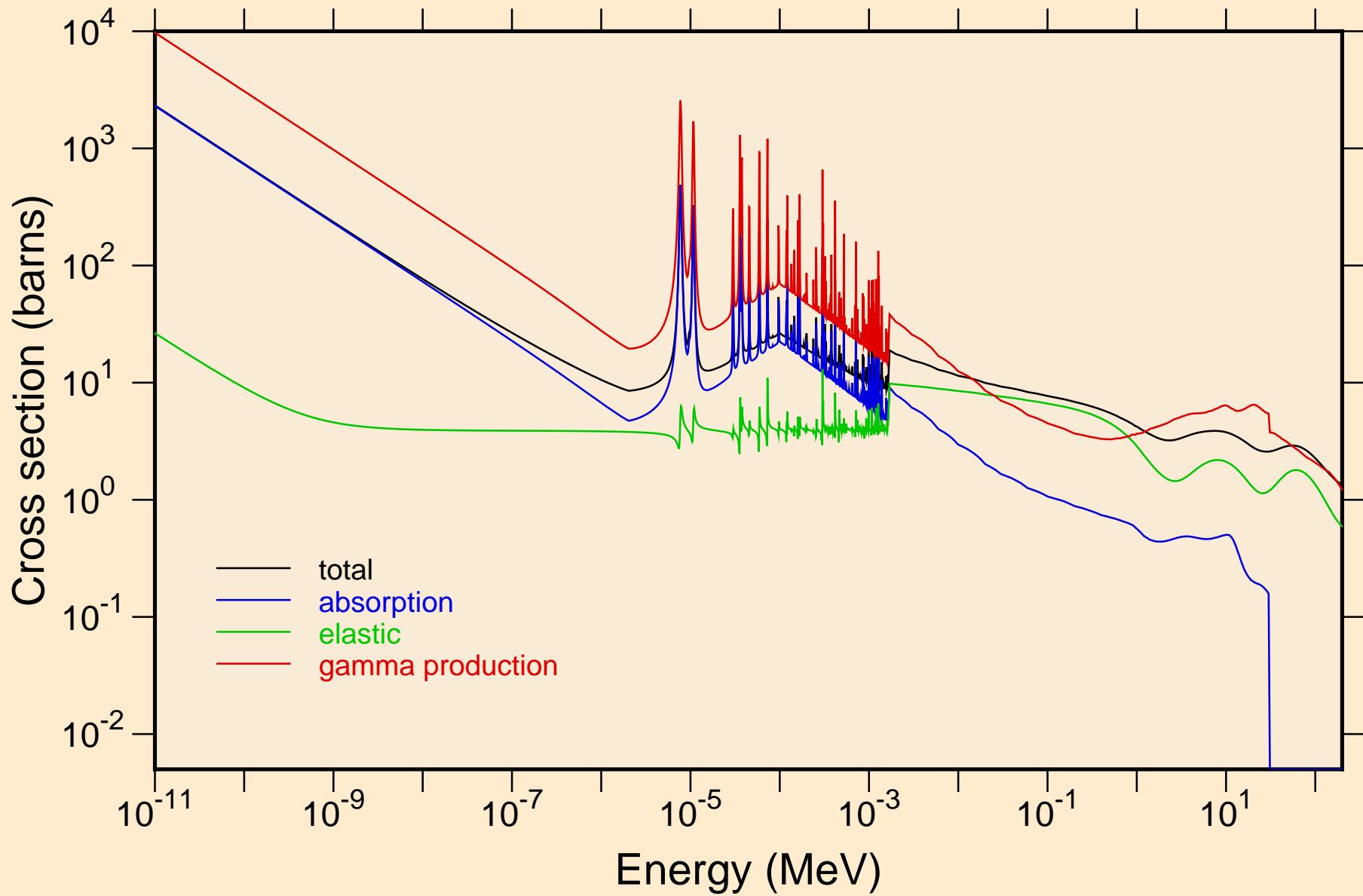
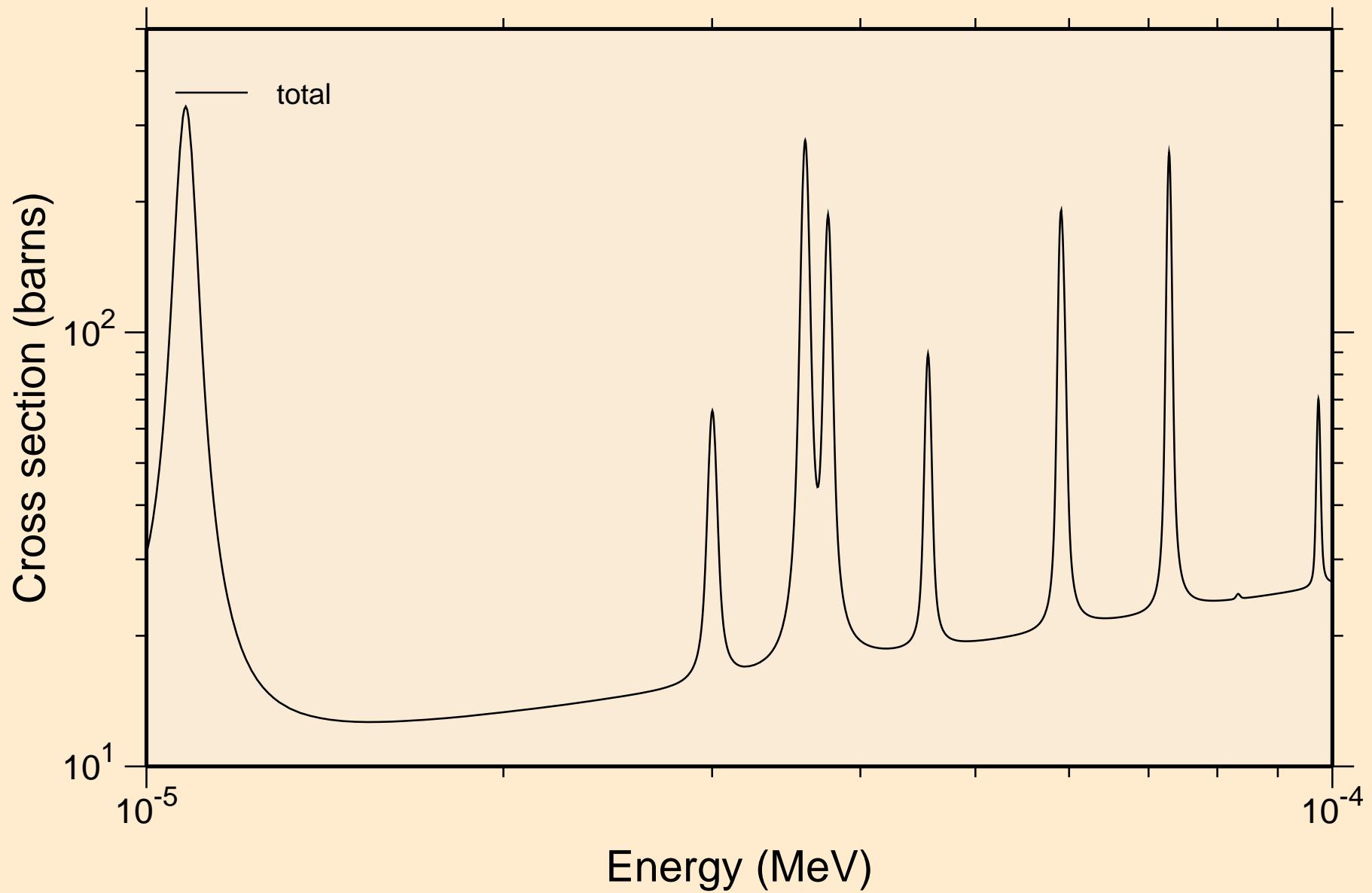


# SE073 NRG TENDL-2015, AKONING

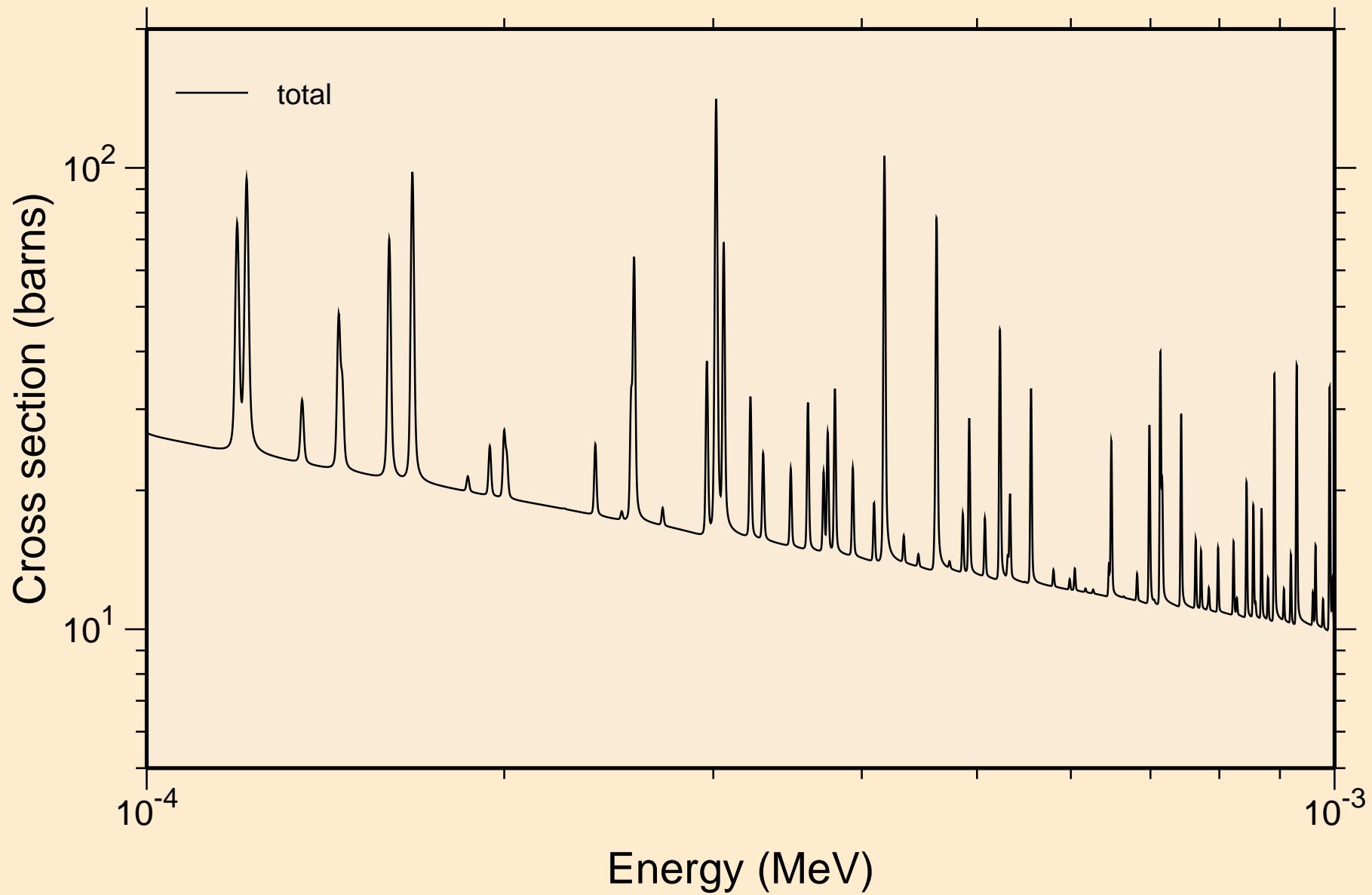
## Principal cross sections



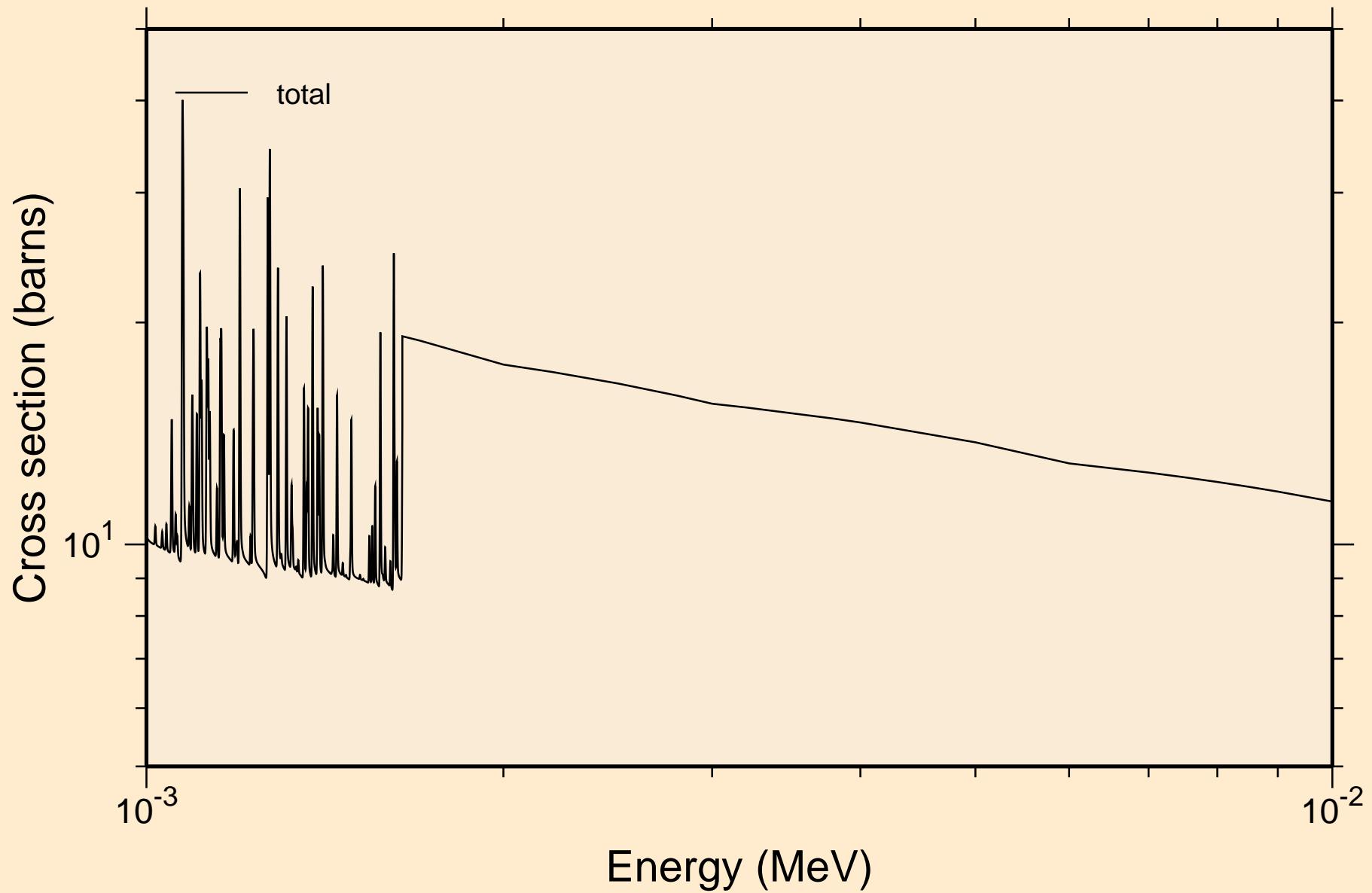
SE073 NRG TENDL-2015, AKONING  
resonance total cross section



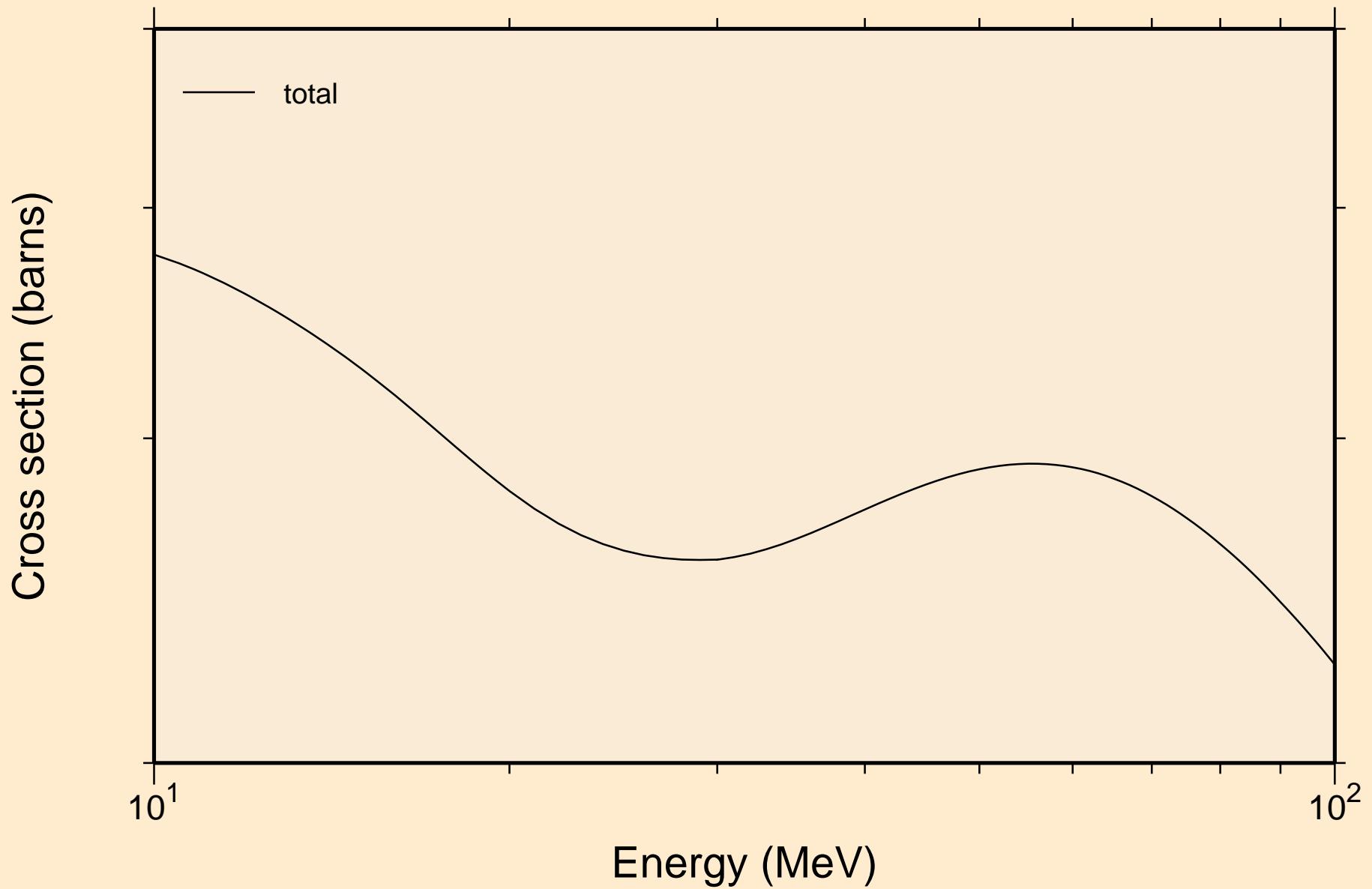
SE073 NRG TENDL-2015, AKONING  
resonance total cross section



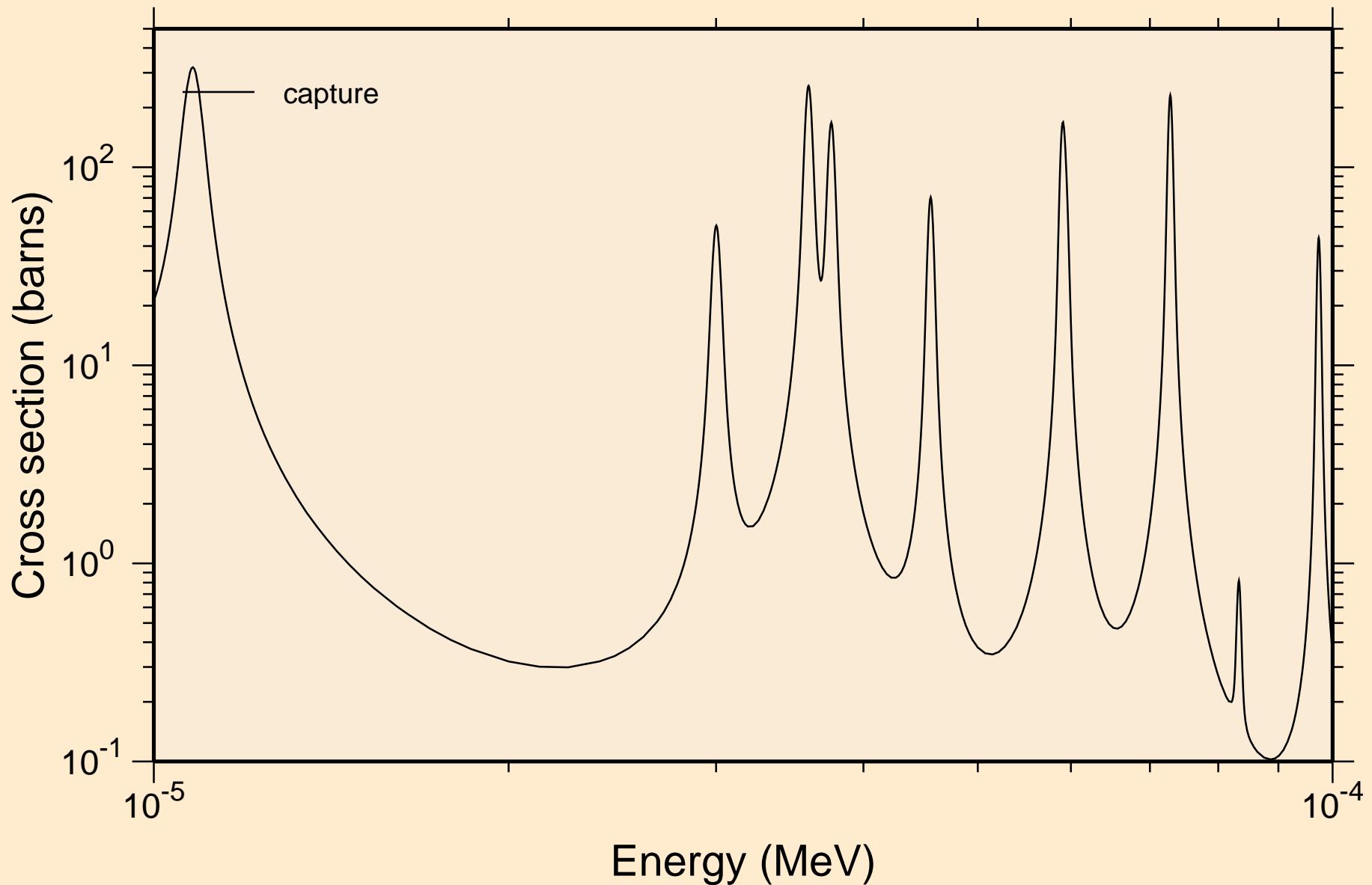
SE073 NRG TENDL-2015, AKONING  
resonance total cross section



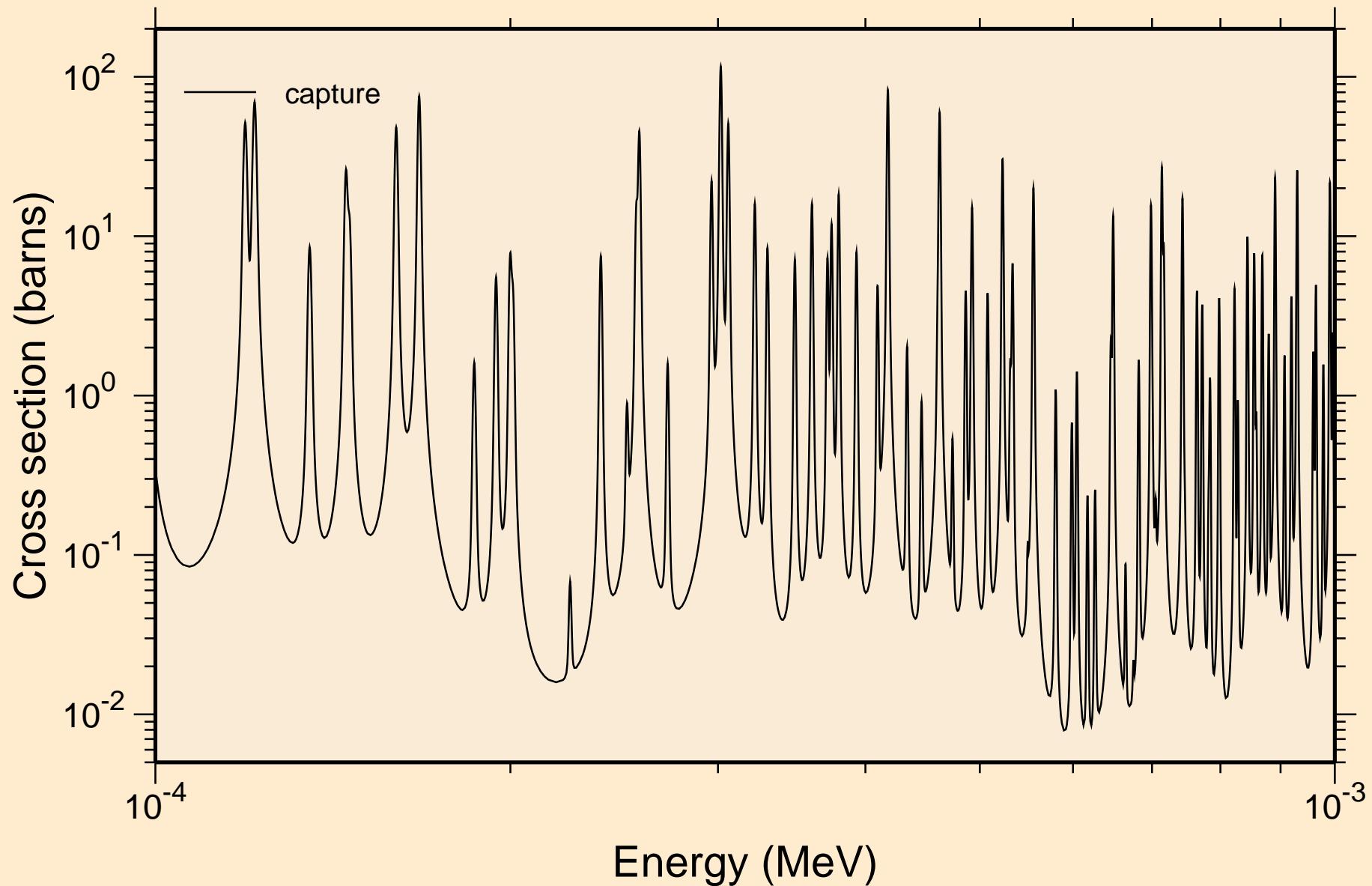
$\bar{S}$ E073 NRG TENDL-2015, AKONING  
resonance total cross section



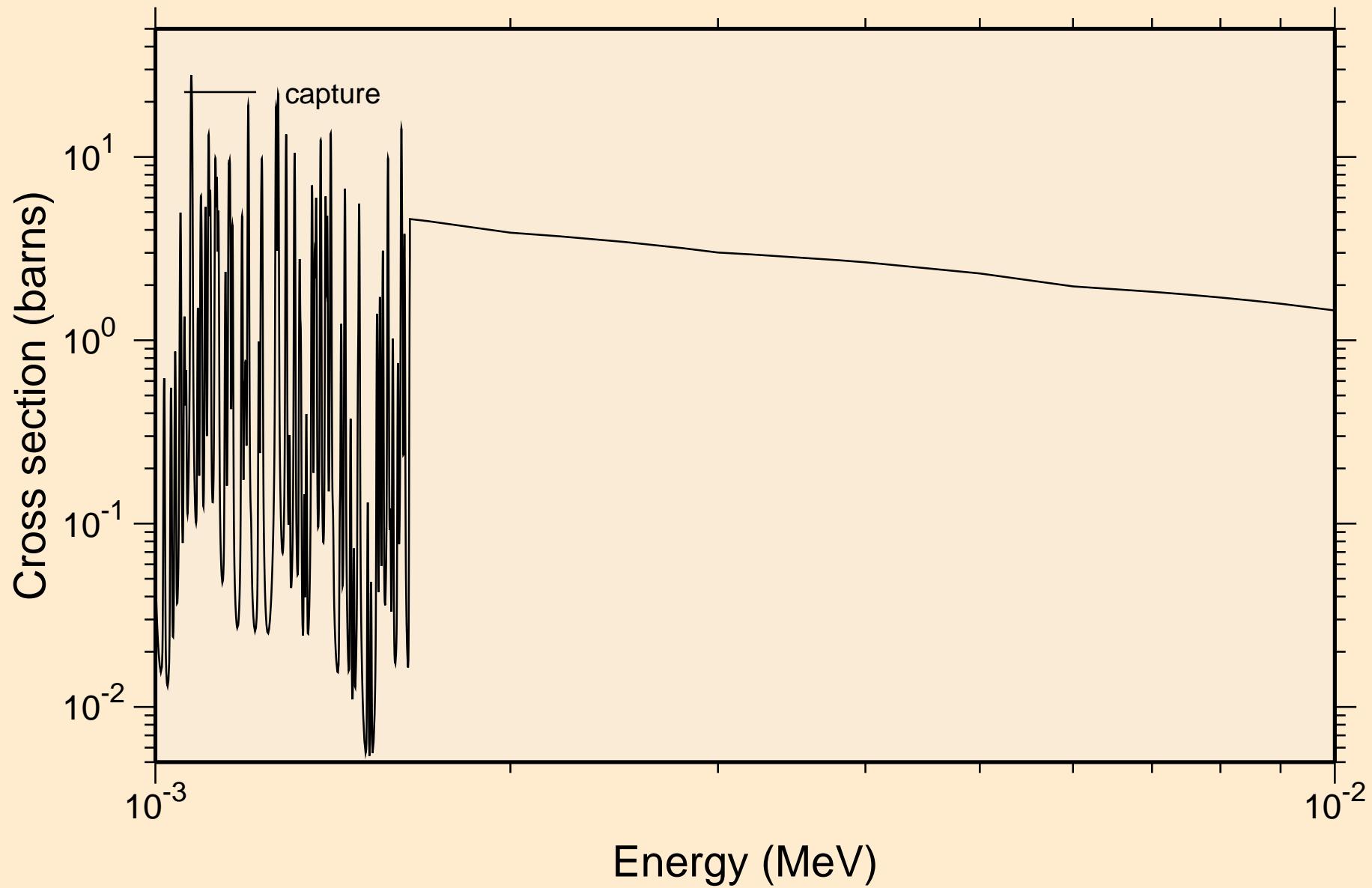
SE073 NRG TENDL-2015, AKONING  
resonance absorption cross sections



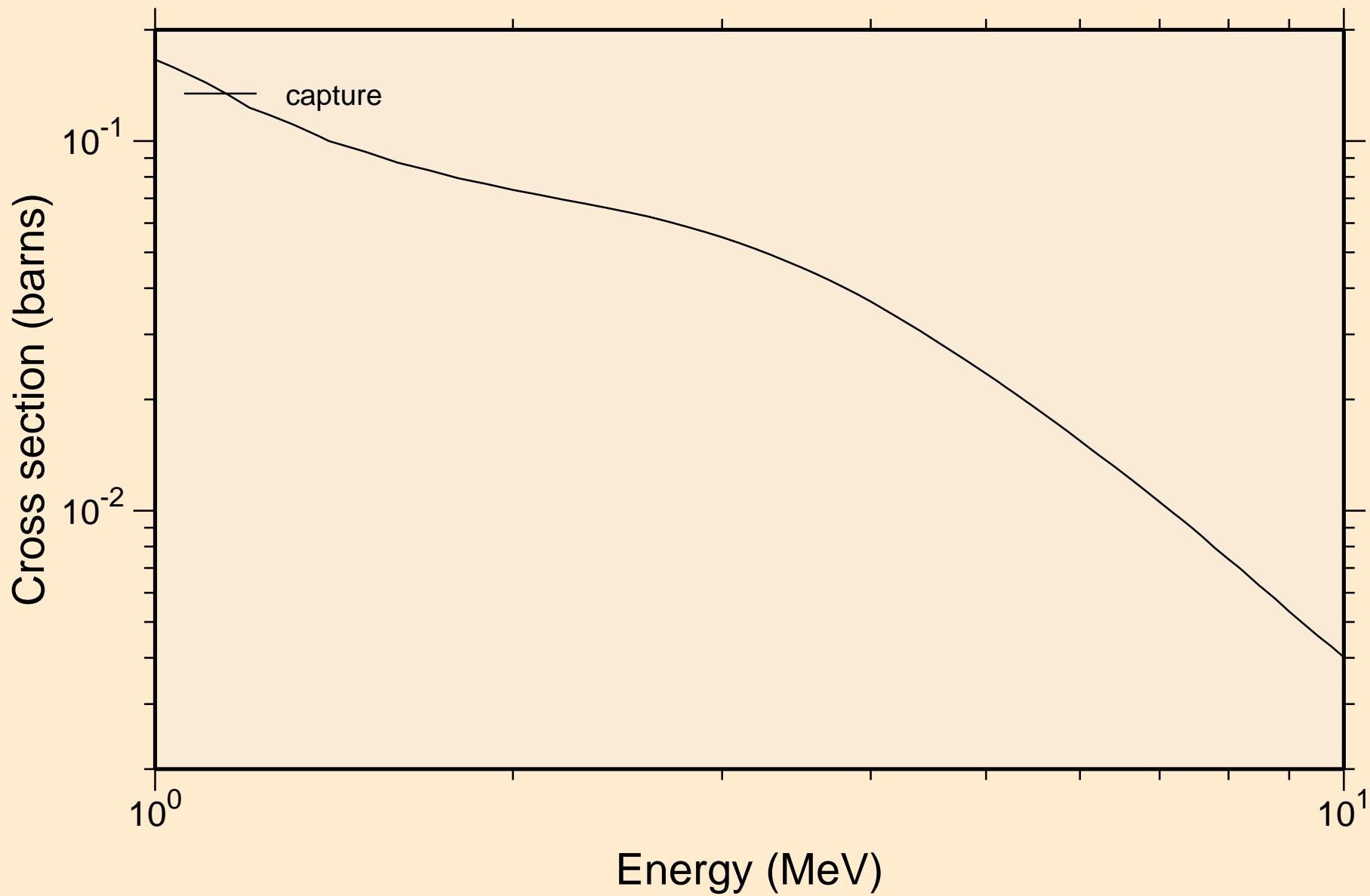
SE073 NRG TENDL-2015, AKONING  
resonance absorption cross sections



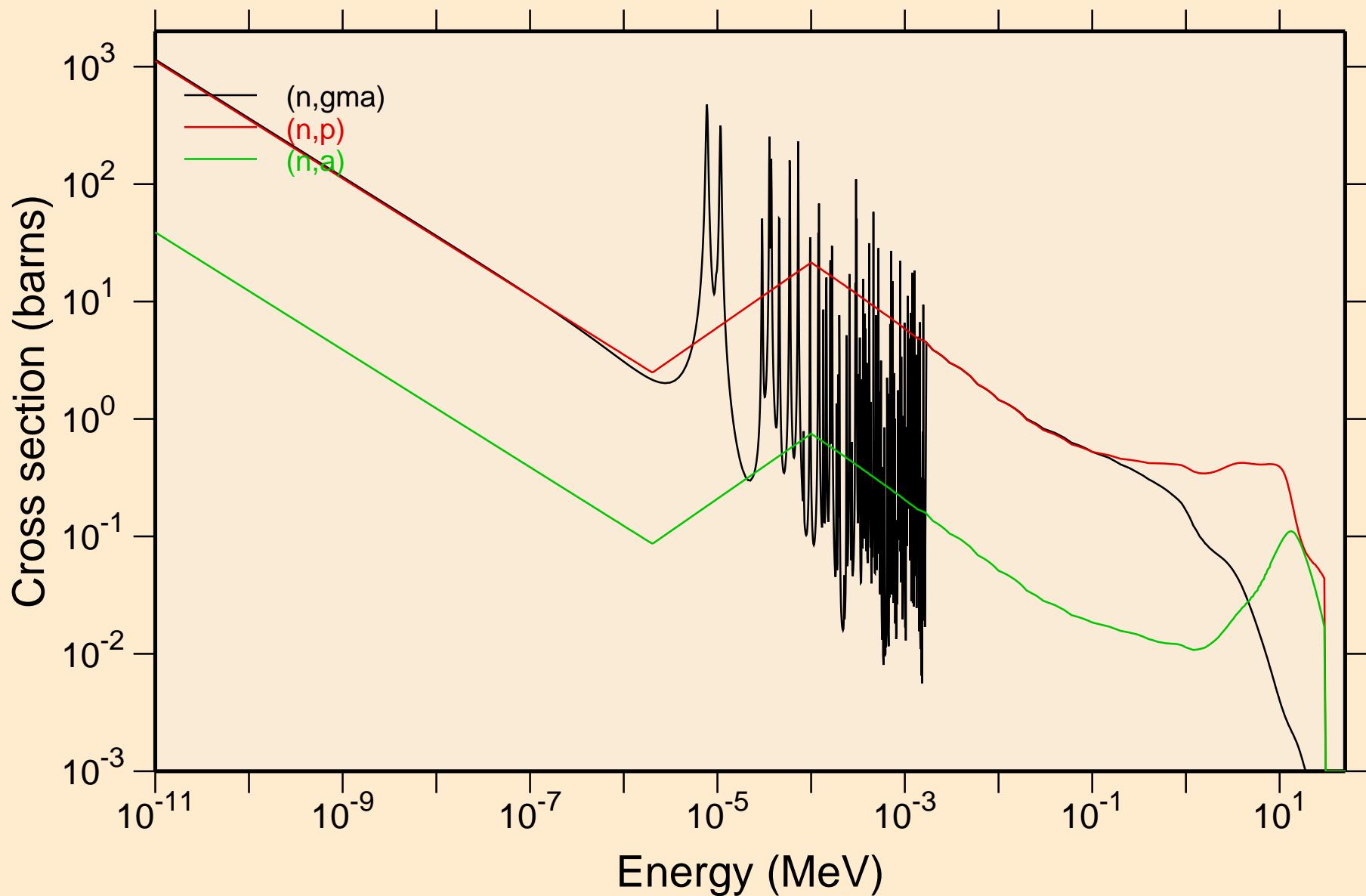
SE073 NRG TENDL-2015, AKONING  
resonance absorption cross sections



SE073 NRG TENDL-2015, AKONING  
resonance absorption cross sections

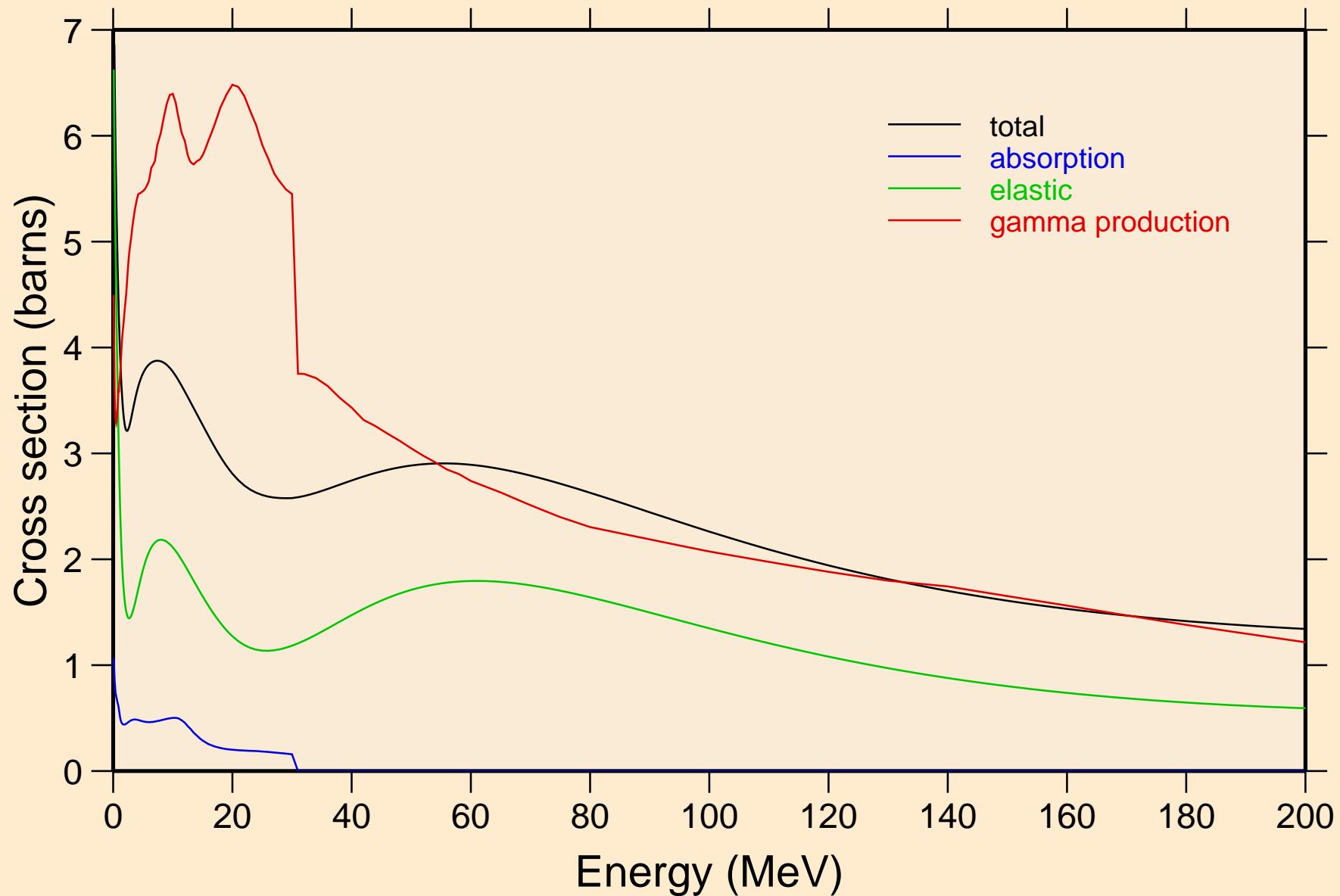


SE073 NRG TENDL-2015, AKONING  
Non-threshold reactions

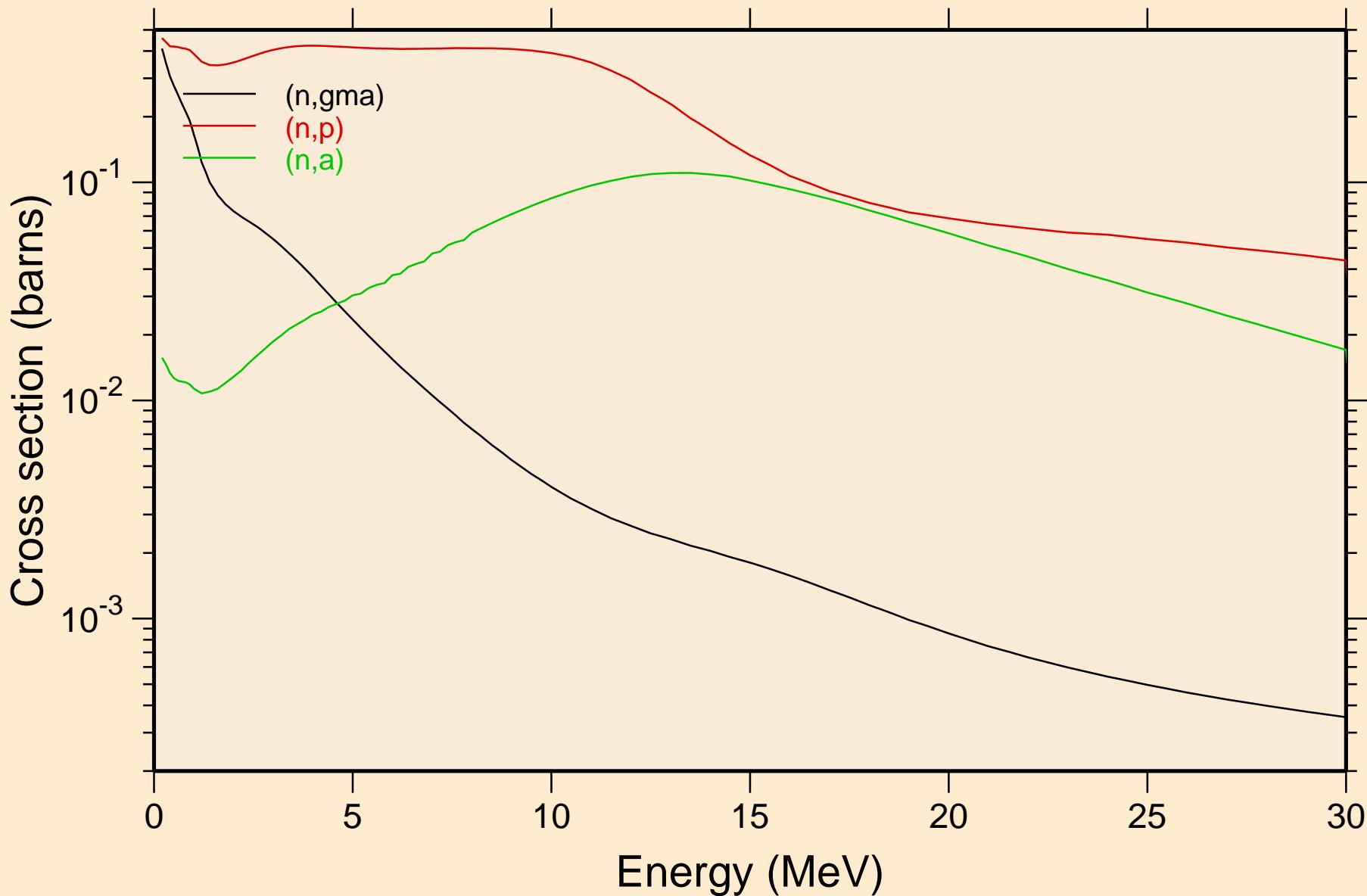


# SE073 NRG TENDL-2015, AKONING

## Principal cross sections

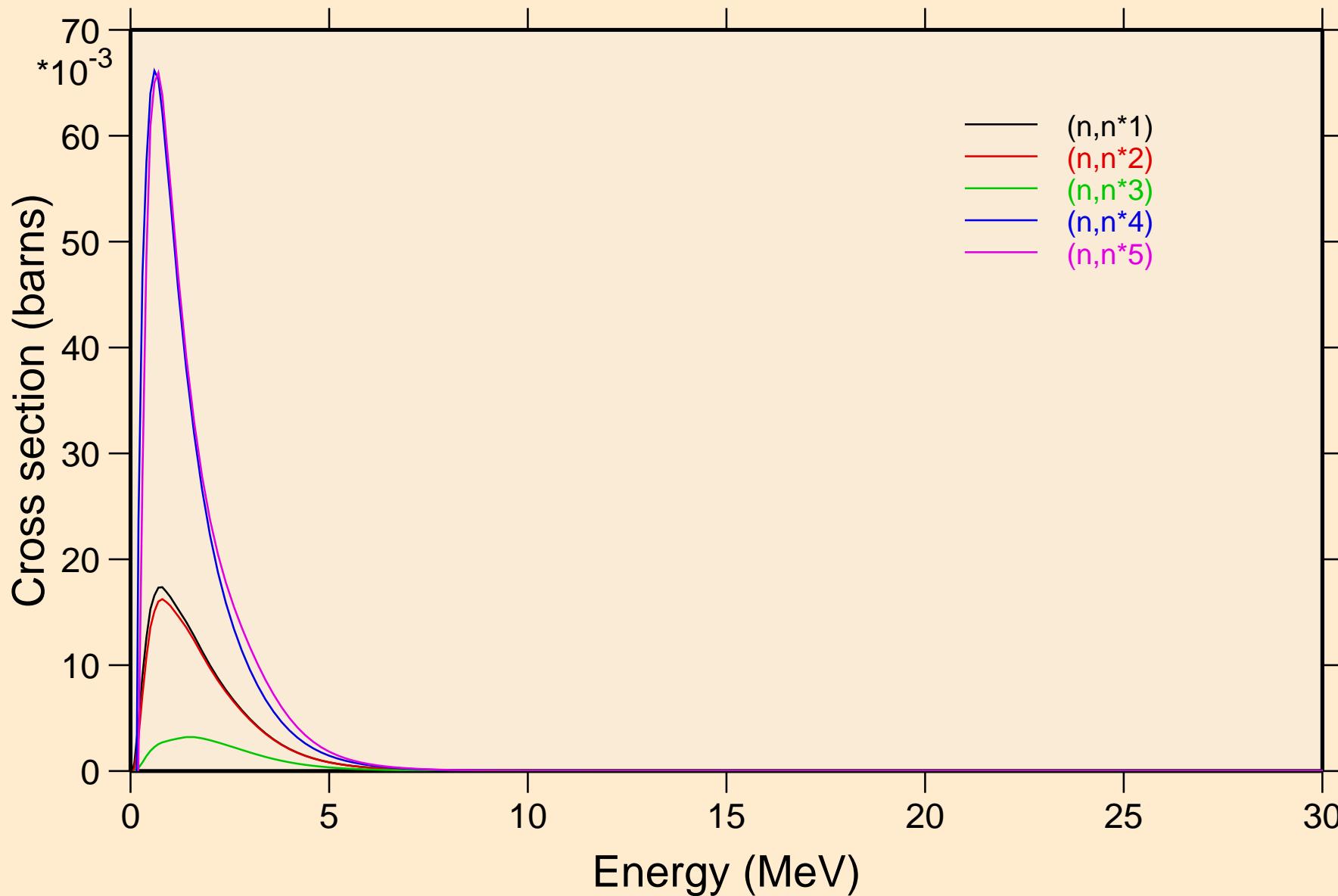


SE073 NRG TENDL-2015, AKONING  
Non-threshold reactions



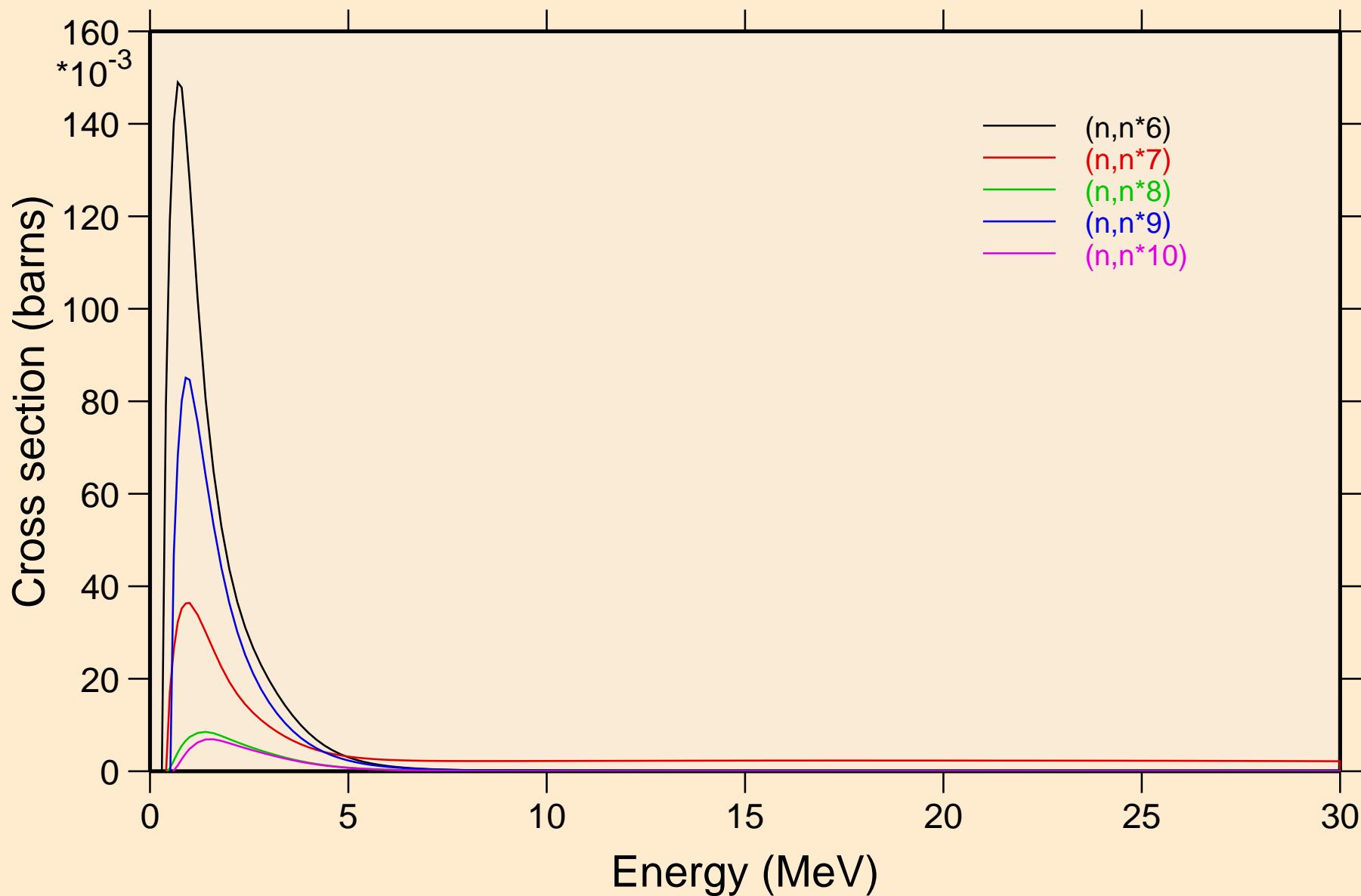
# SE073 NRG TENDL-2015, AKONING

## Inelastic levels



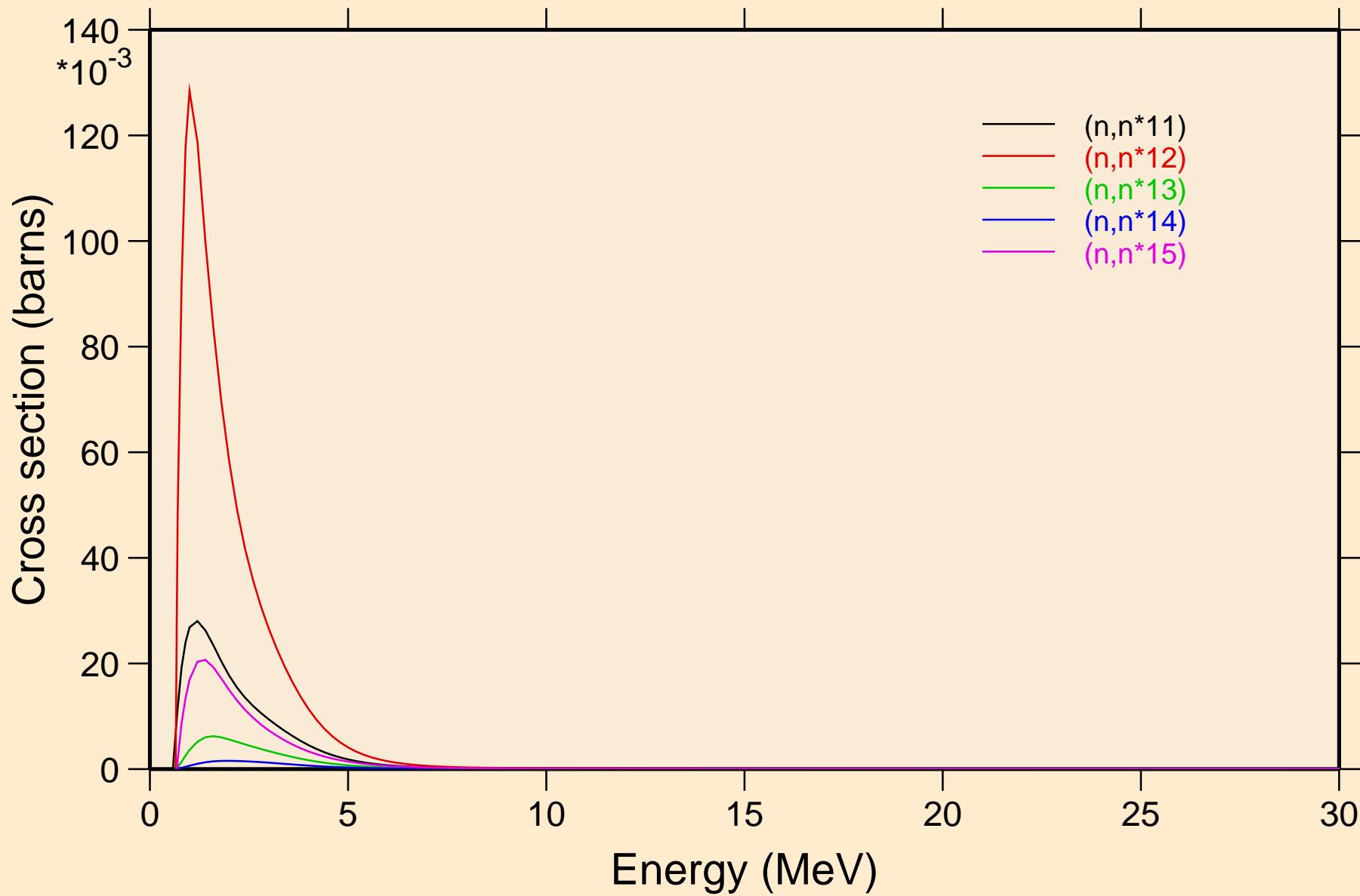
# SE073 NRG TENDL-2015, AKONING

## Inelastic levels



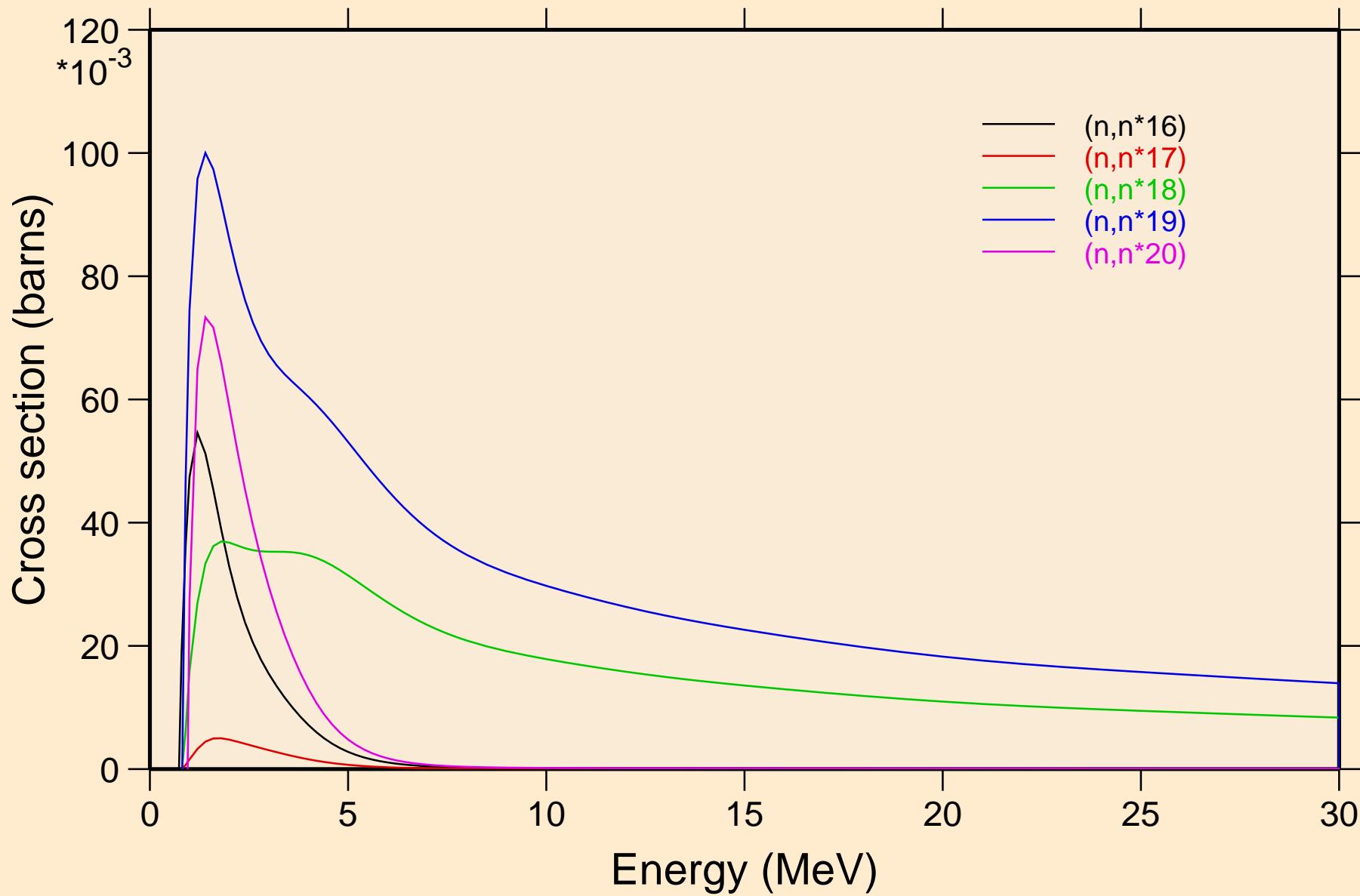
# SE073 NRG TENDL-2015, AKONING

## Inelastic levels



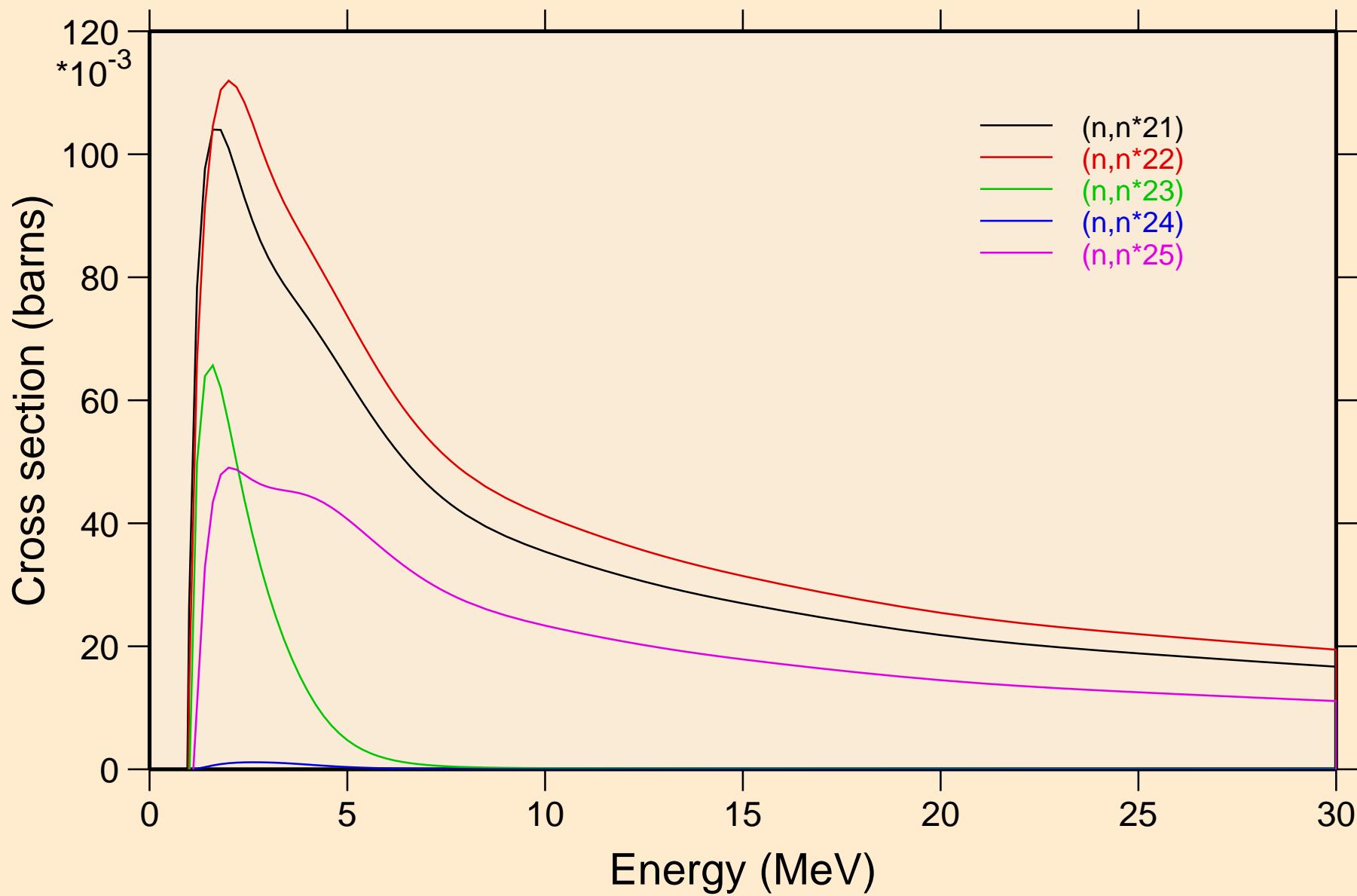
# SE073 NRG TENDL-2015, AKONING

## Inelastic levels



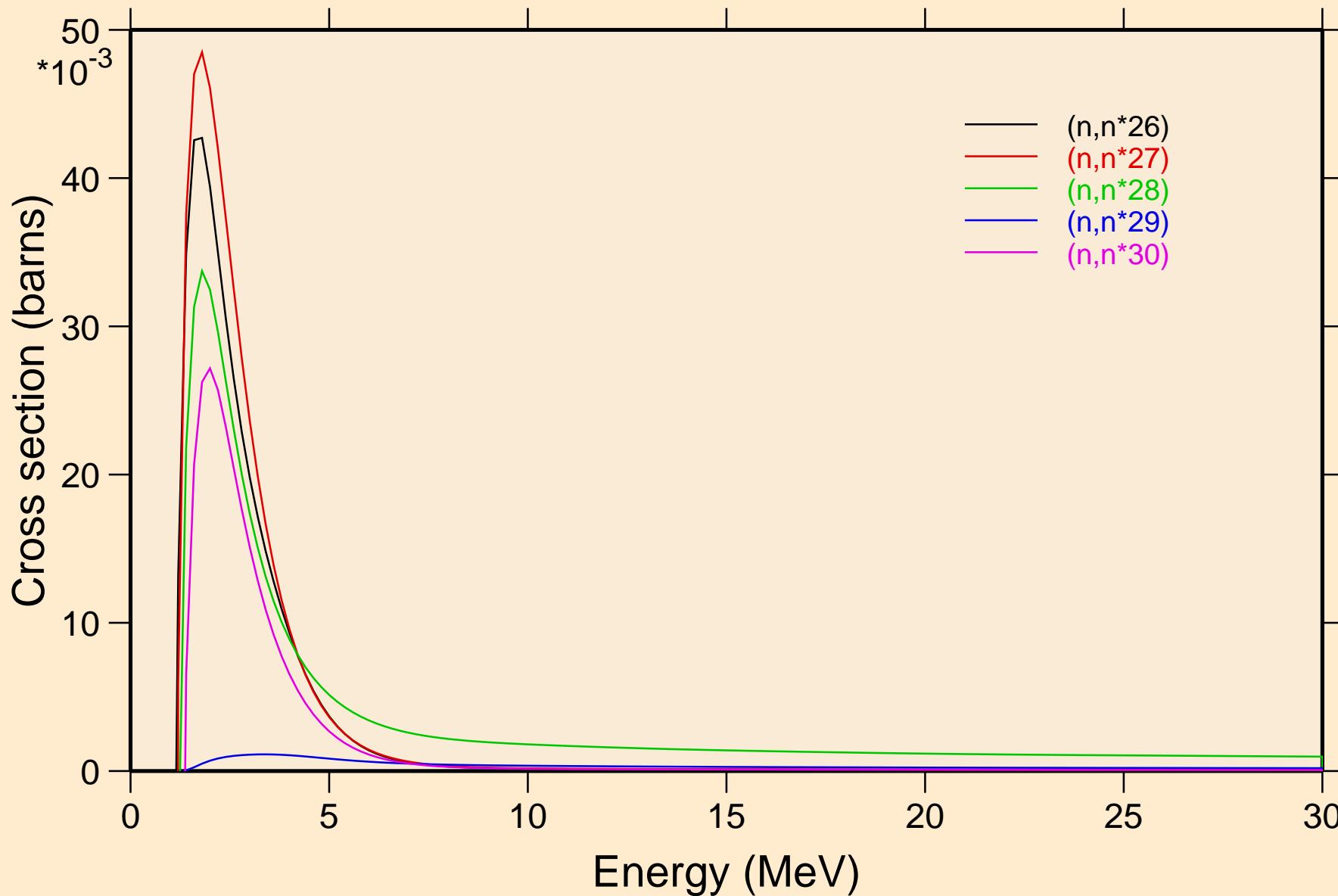
# SE073 NRG TENDL-2015, AKONING

## Inelastic levels



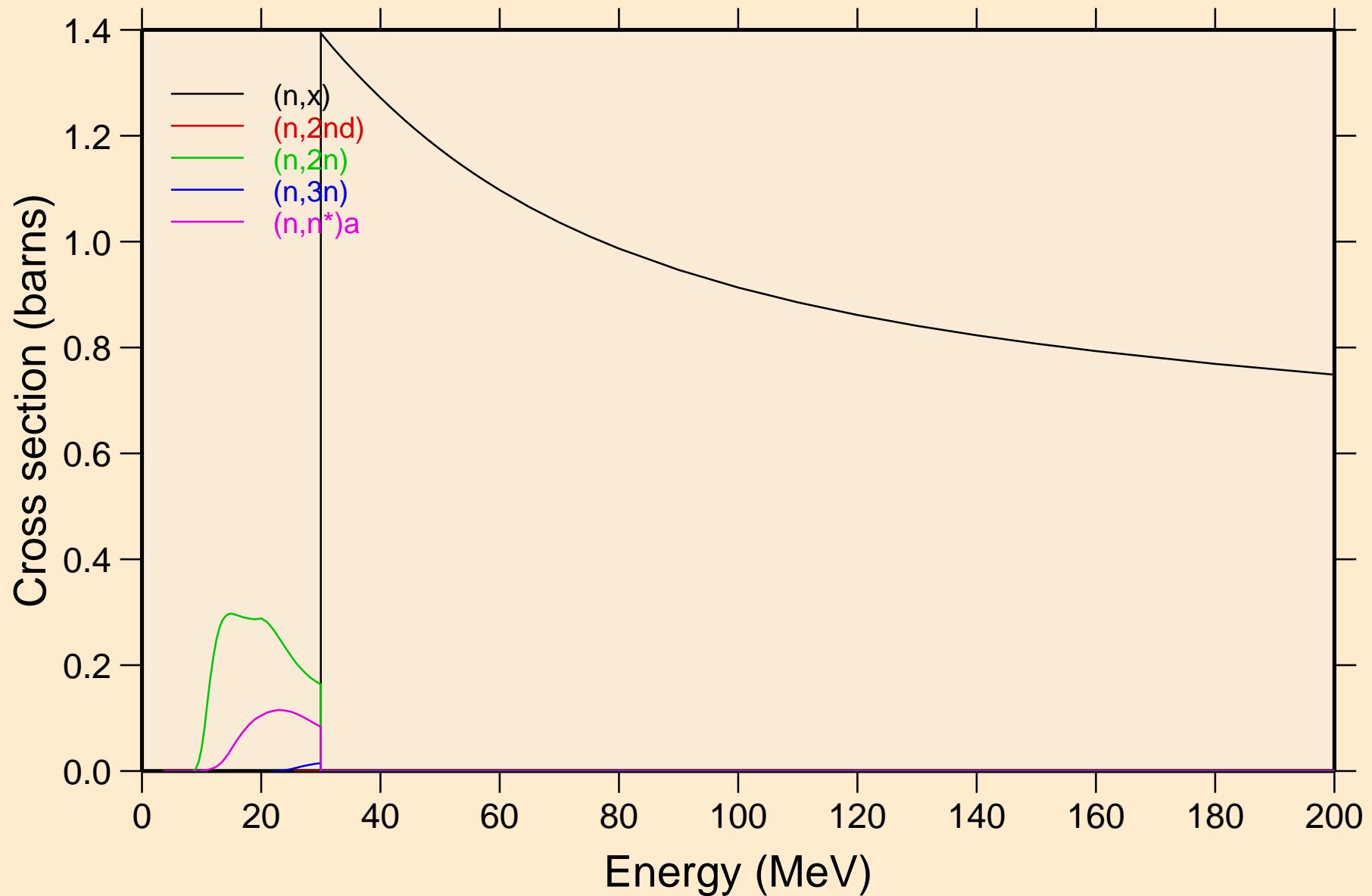
# SE073 NRG TENDL-2015, AKONING

## Inelastic levels



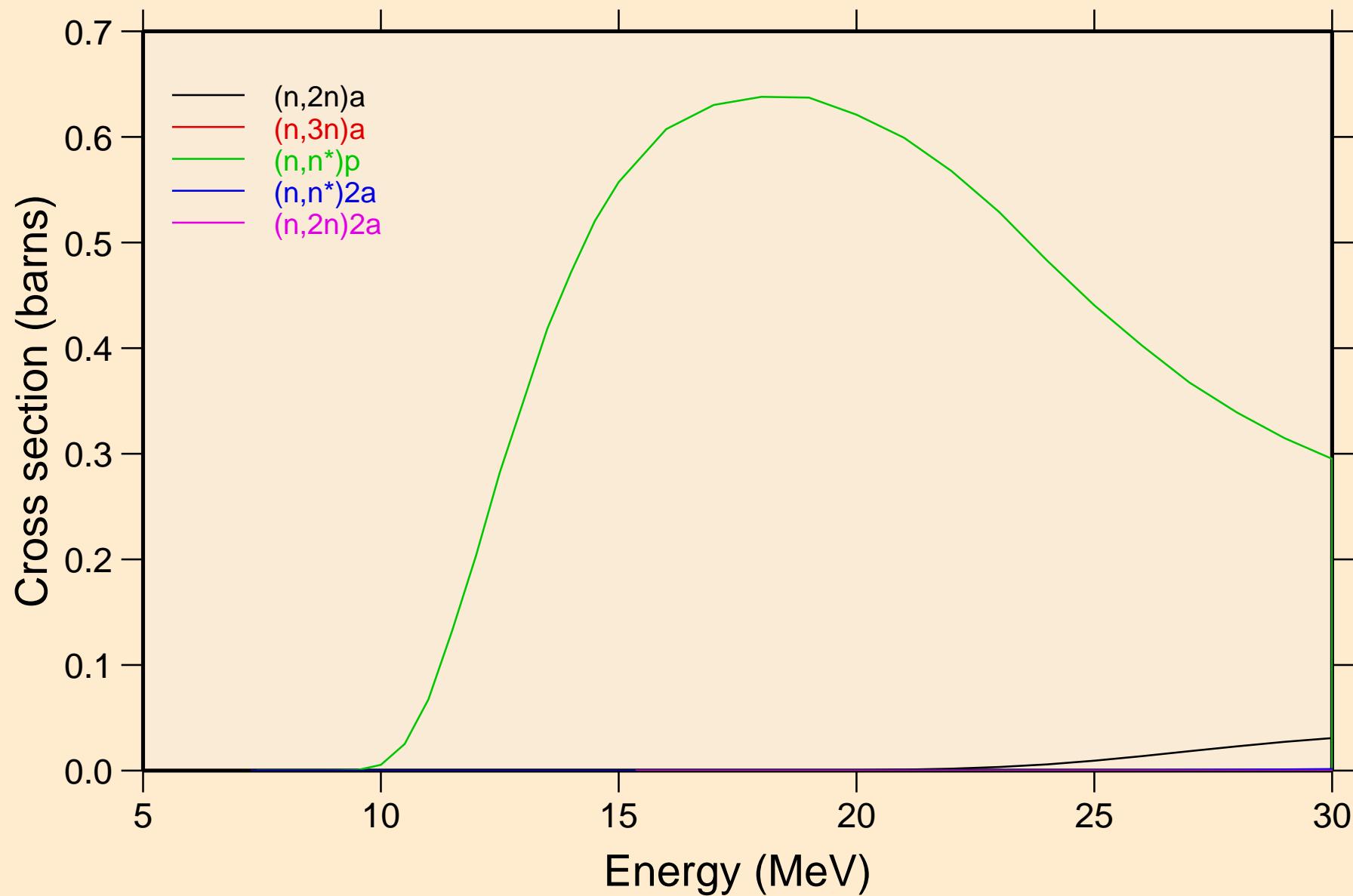
# SE073 NRG TENDL-2015, AKONING

## Threshold reactions



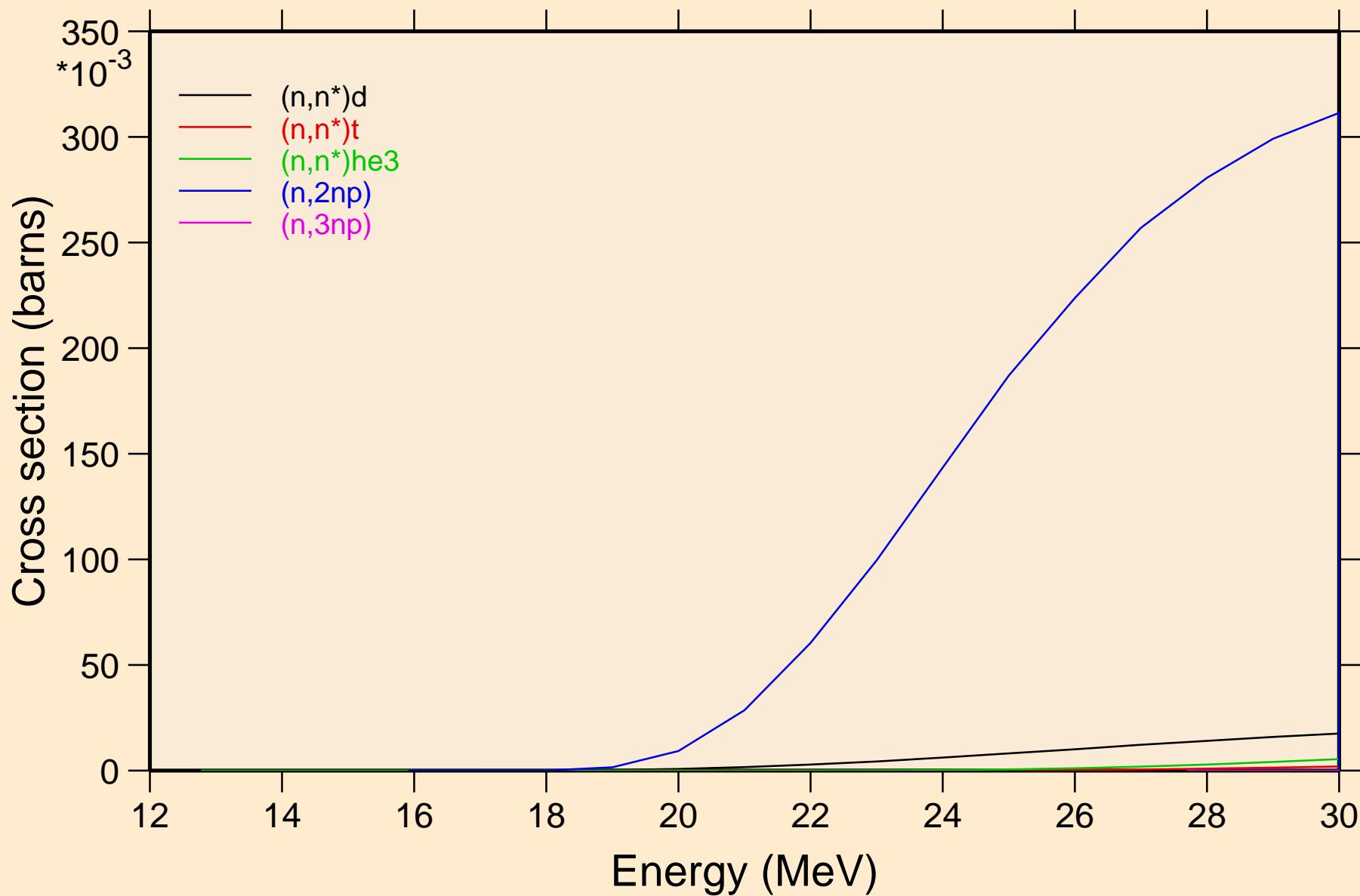
# SE073 NRG TENDL-2015, AKONING

## Threshold reactions



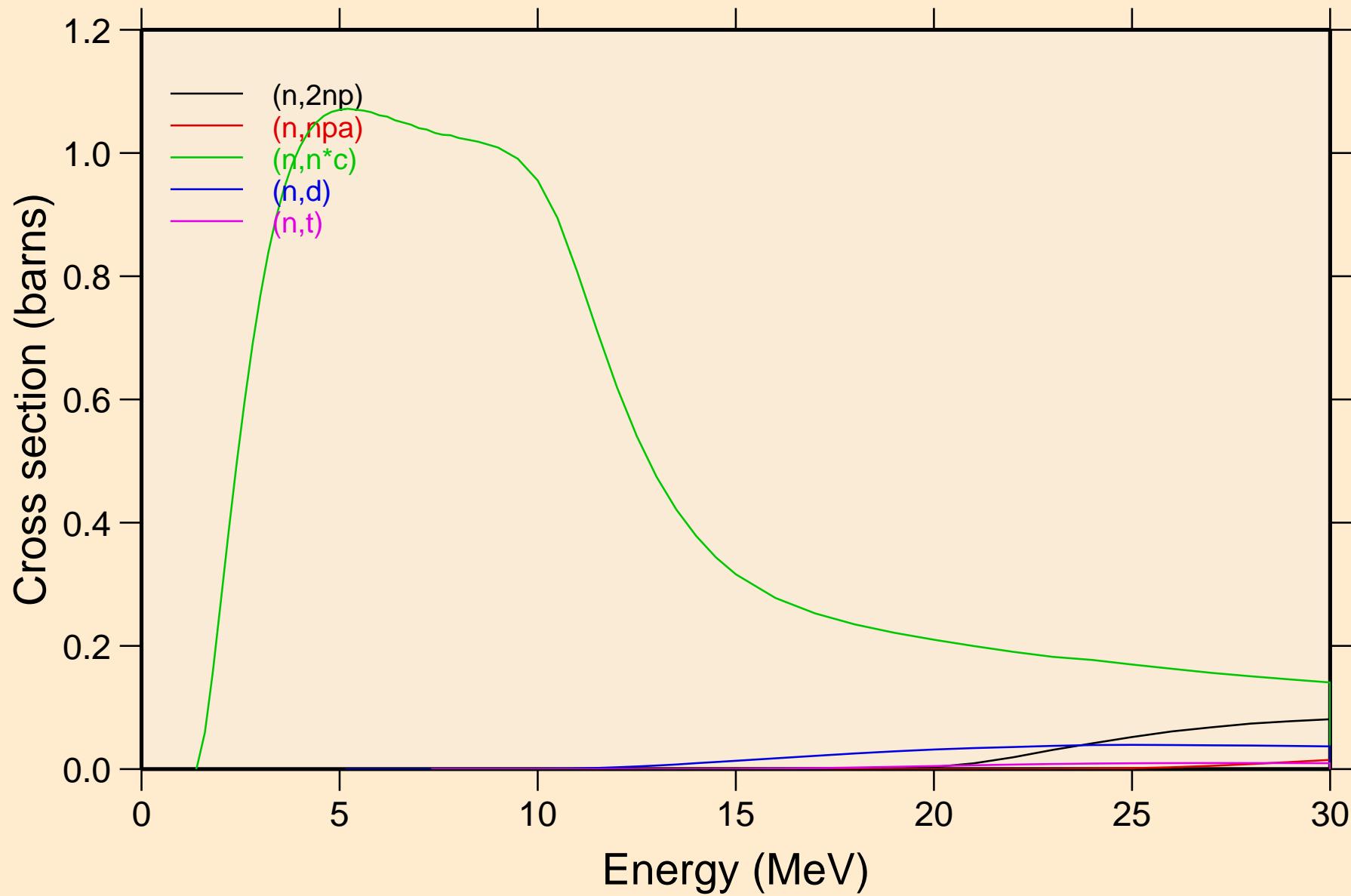
# SE073 NRG TENDL-2015, AKONING

## Threshold reactions



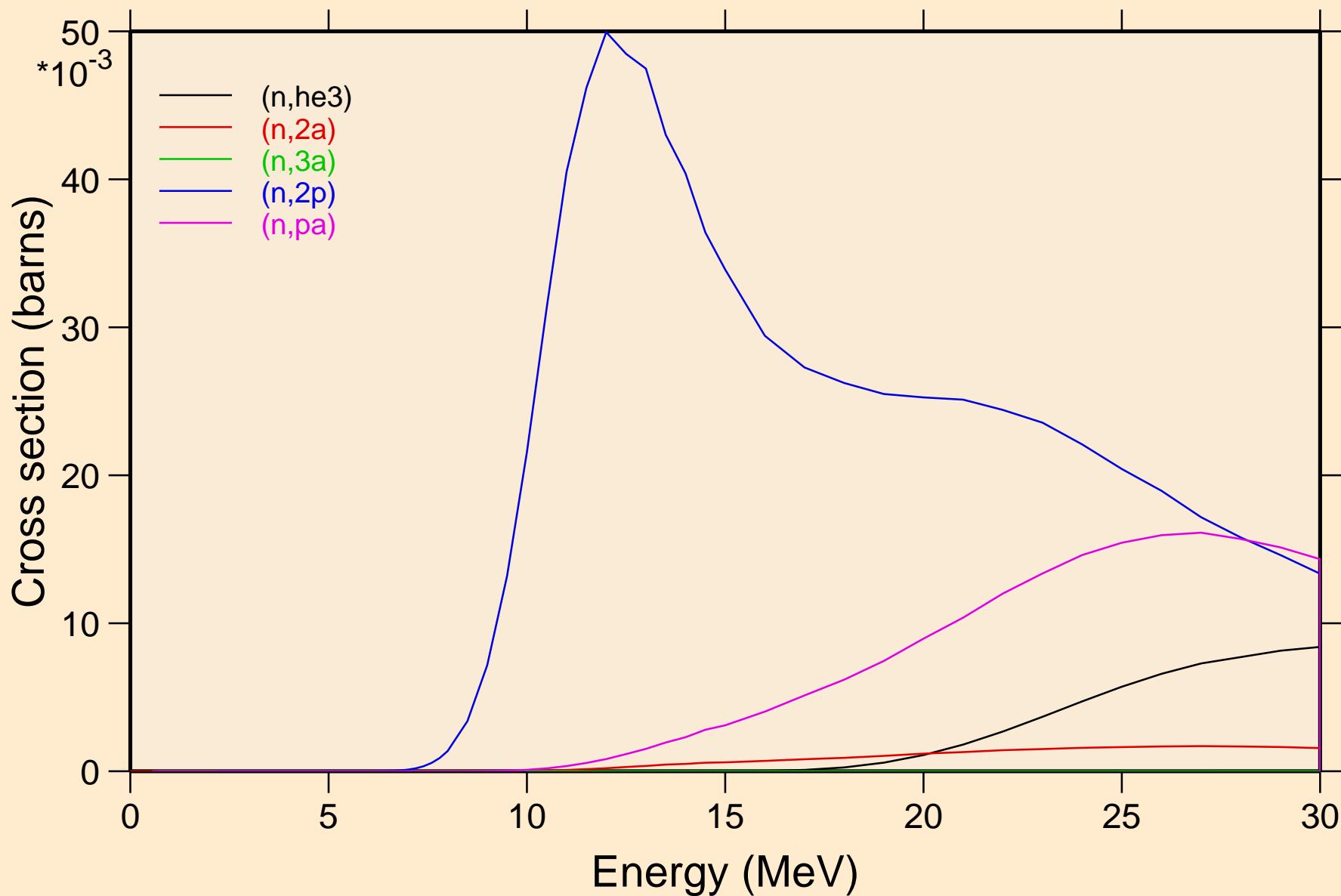
# SE073 NRG TENDL-2015, AKONING

## Threshold reactions



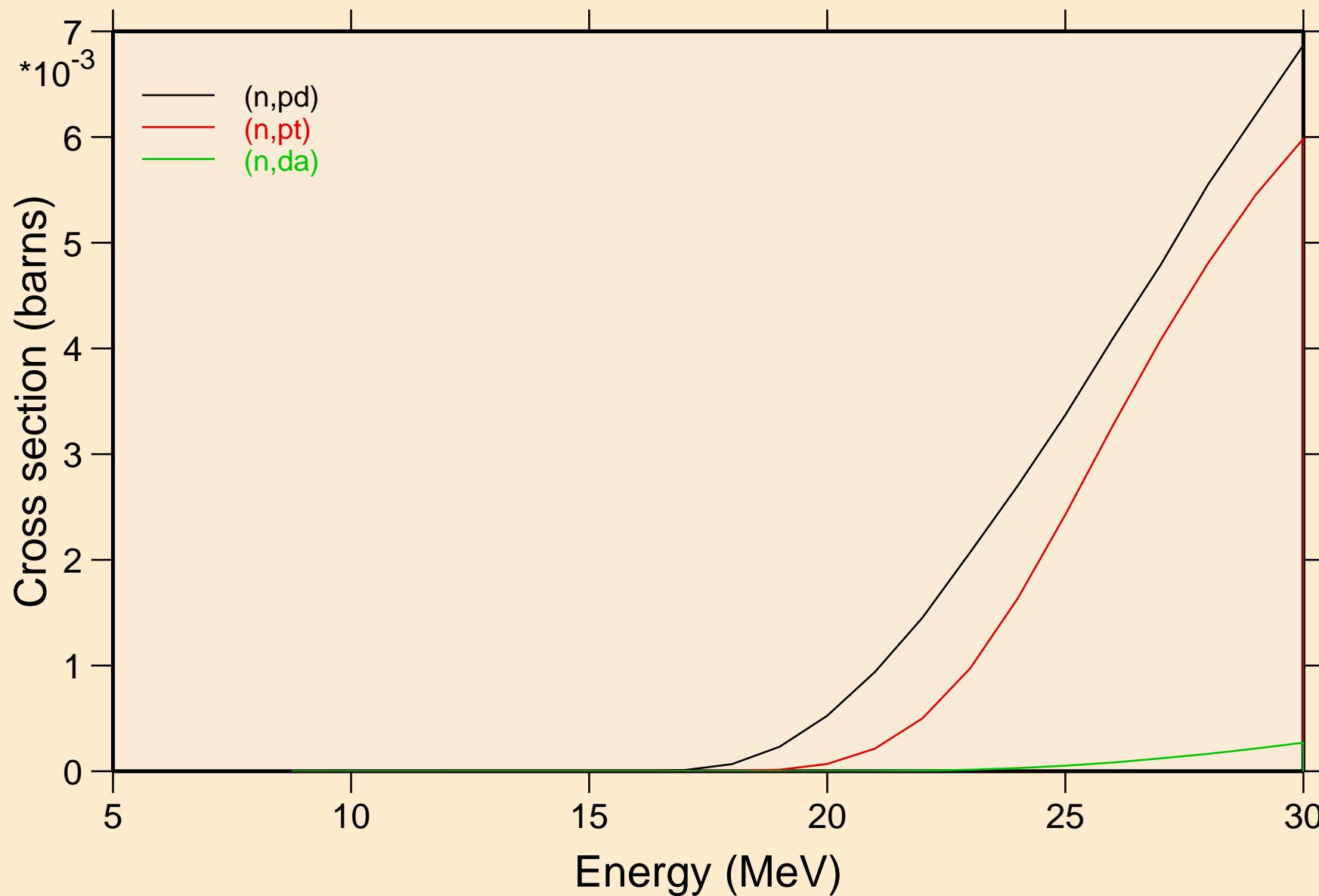
# SE073 NRG TENDL-2015, AKONING

## Threshold reactions

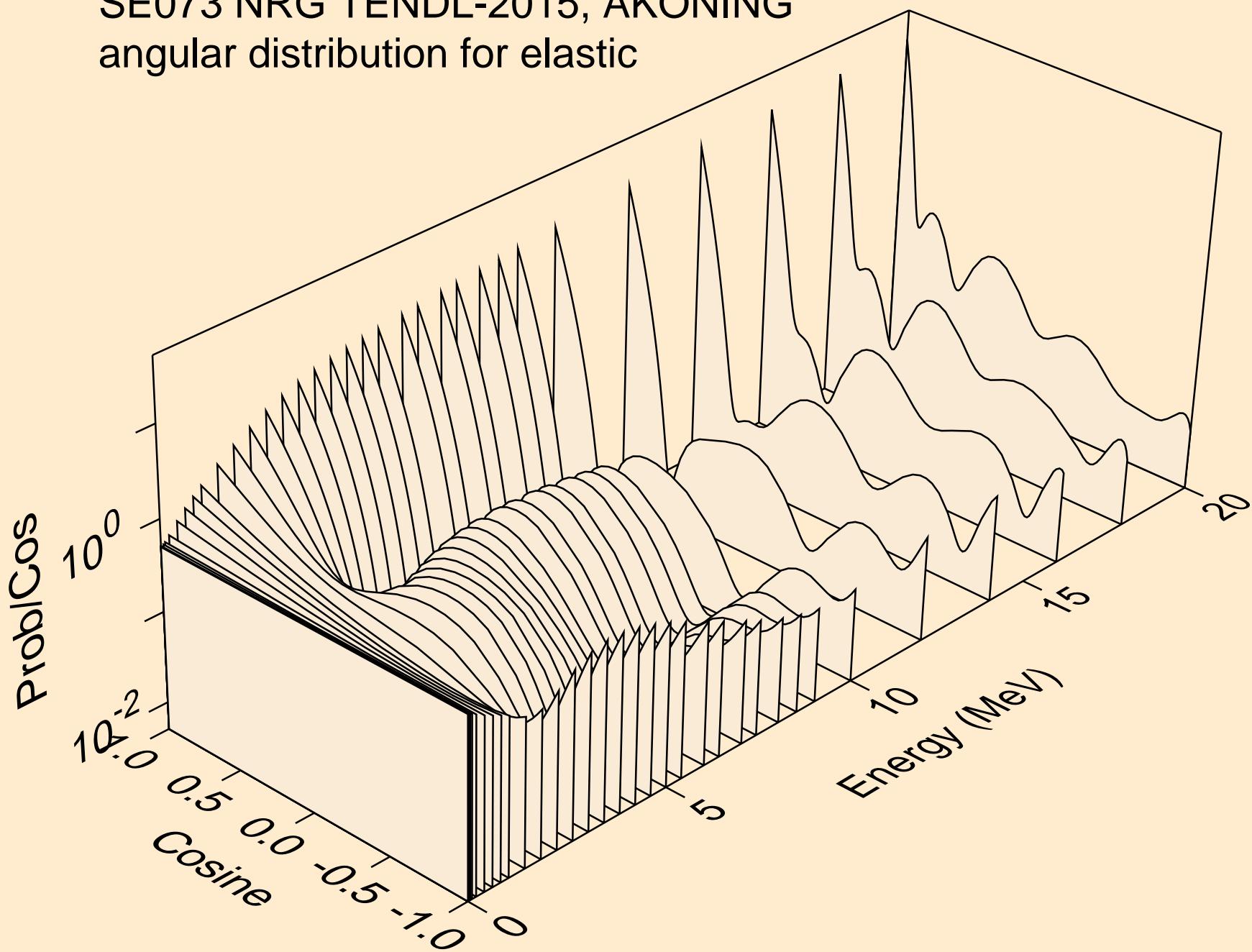


# SE073 NRG TENDL-2015, AKONING

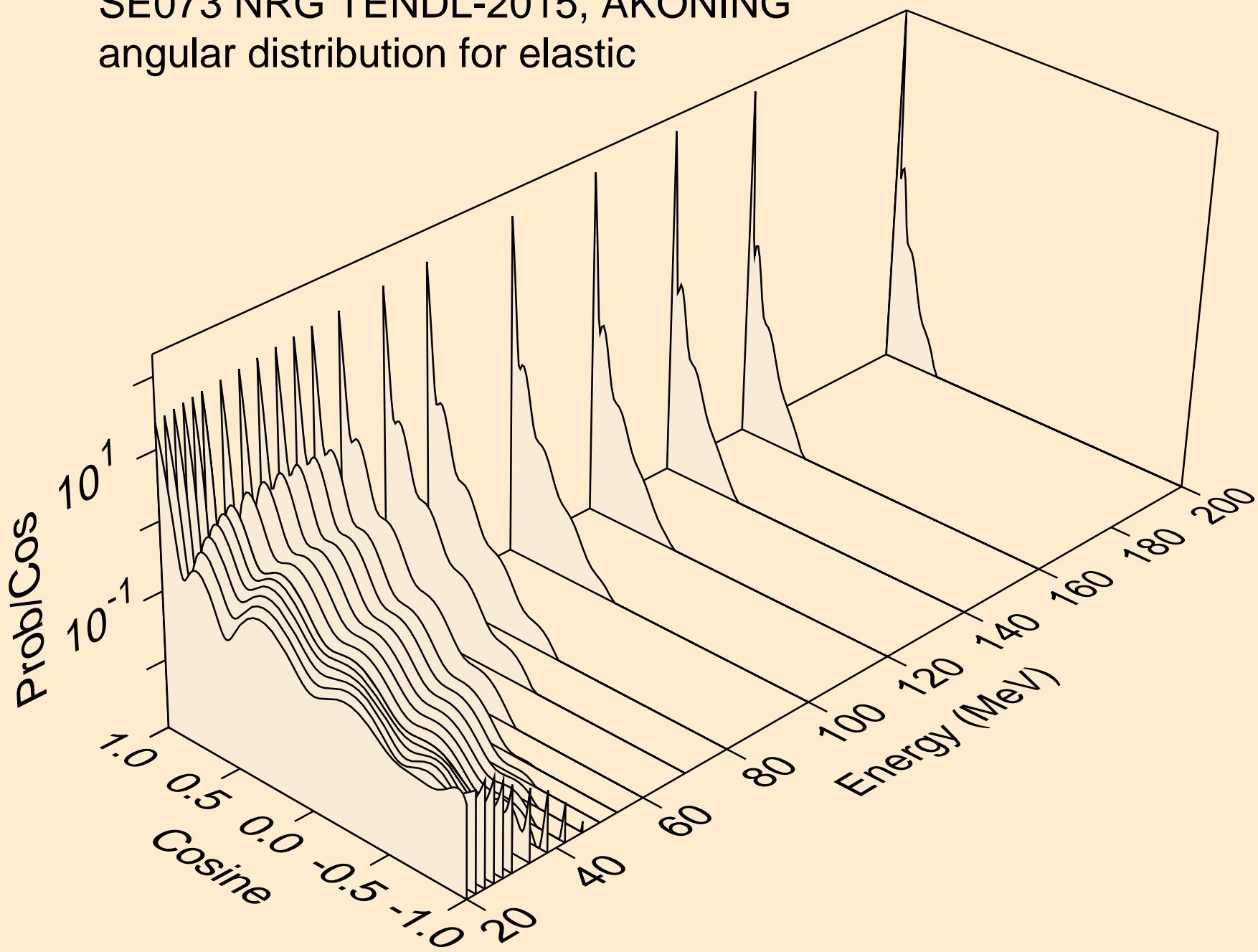
## Threshold reactions



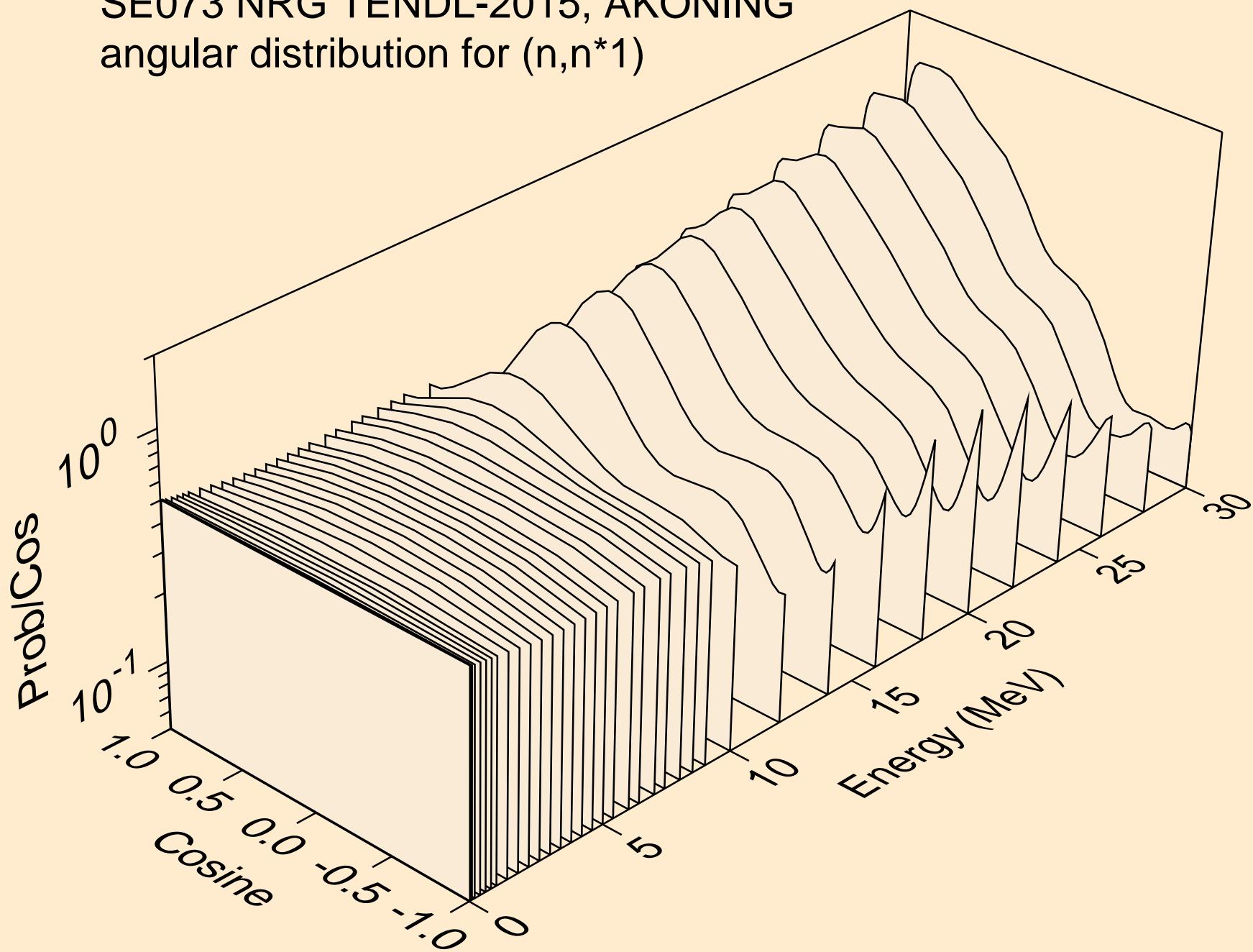
SE073 NRG TENDL-2015, AKONING  
angular distribution for elastic



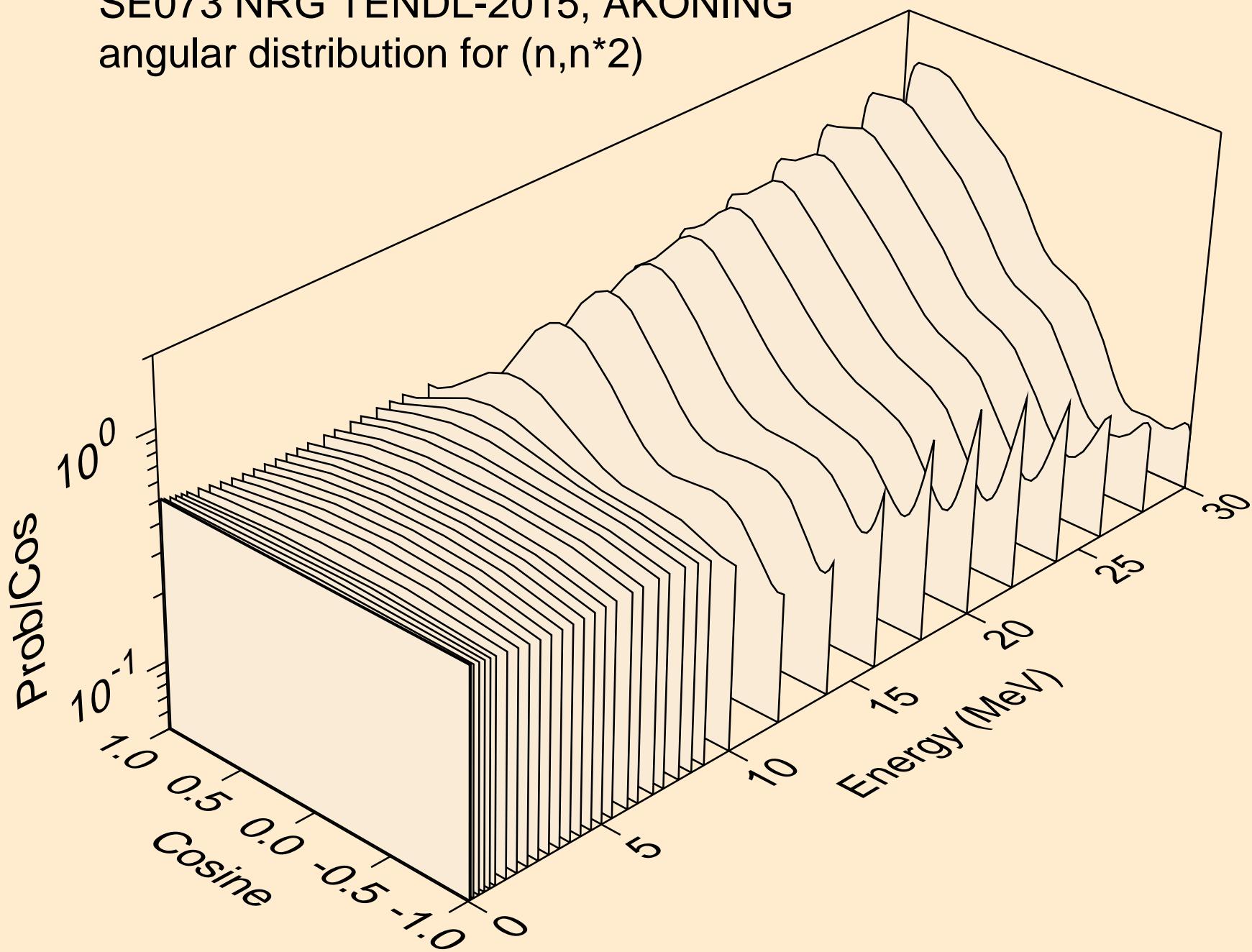
SE073 NRG TENDL-2015, AKONING  
angular distribution for elastic



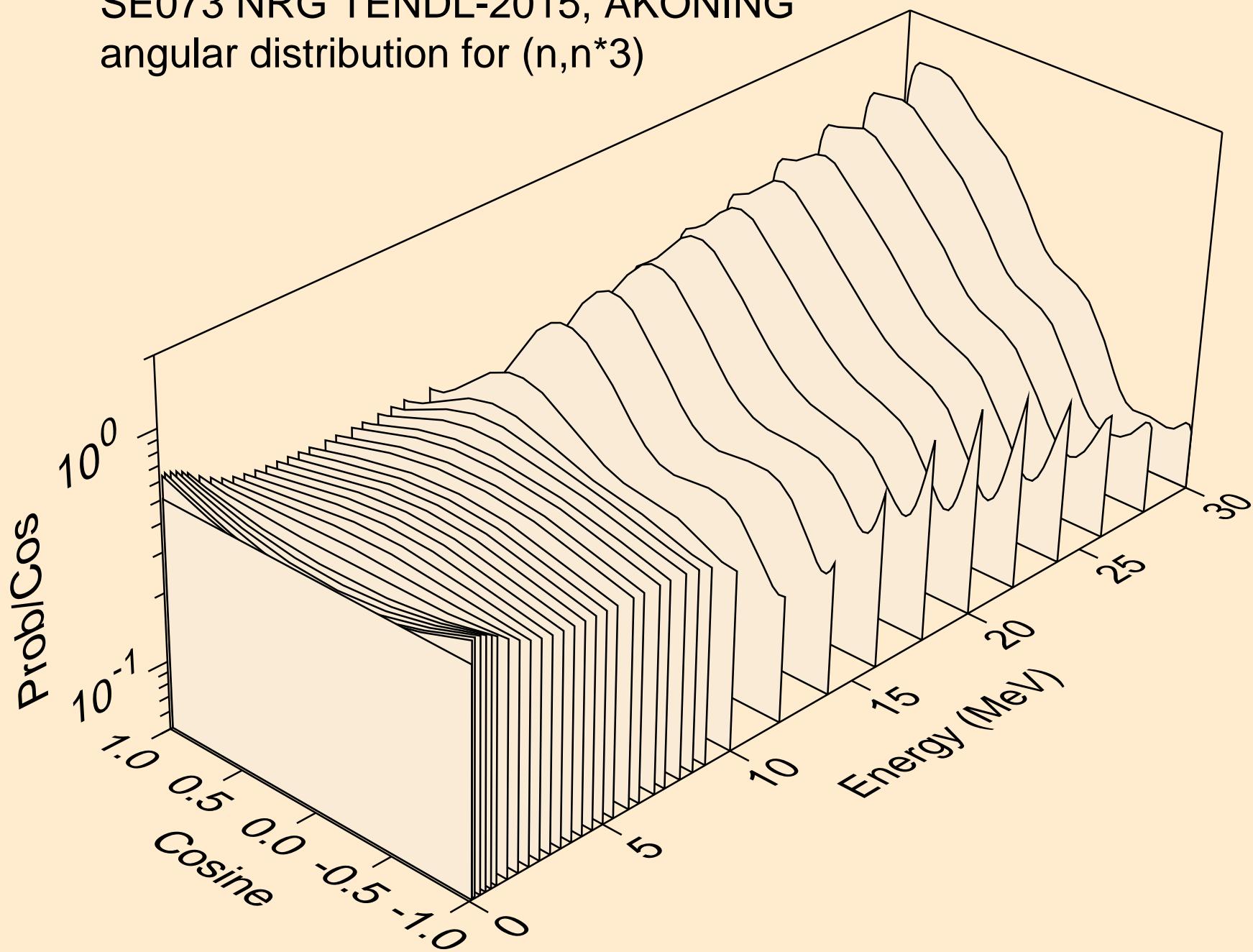
SE073 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



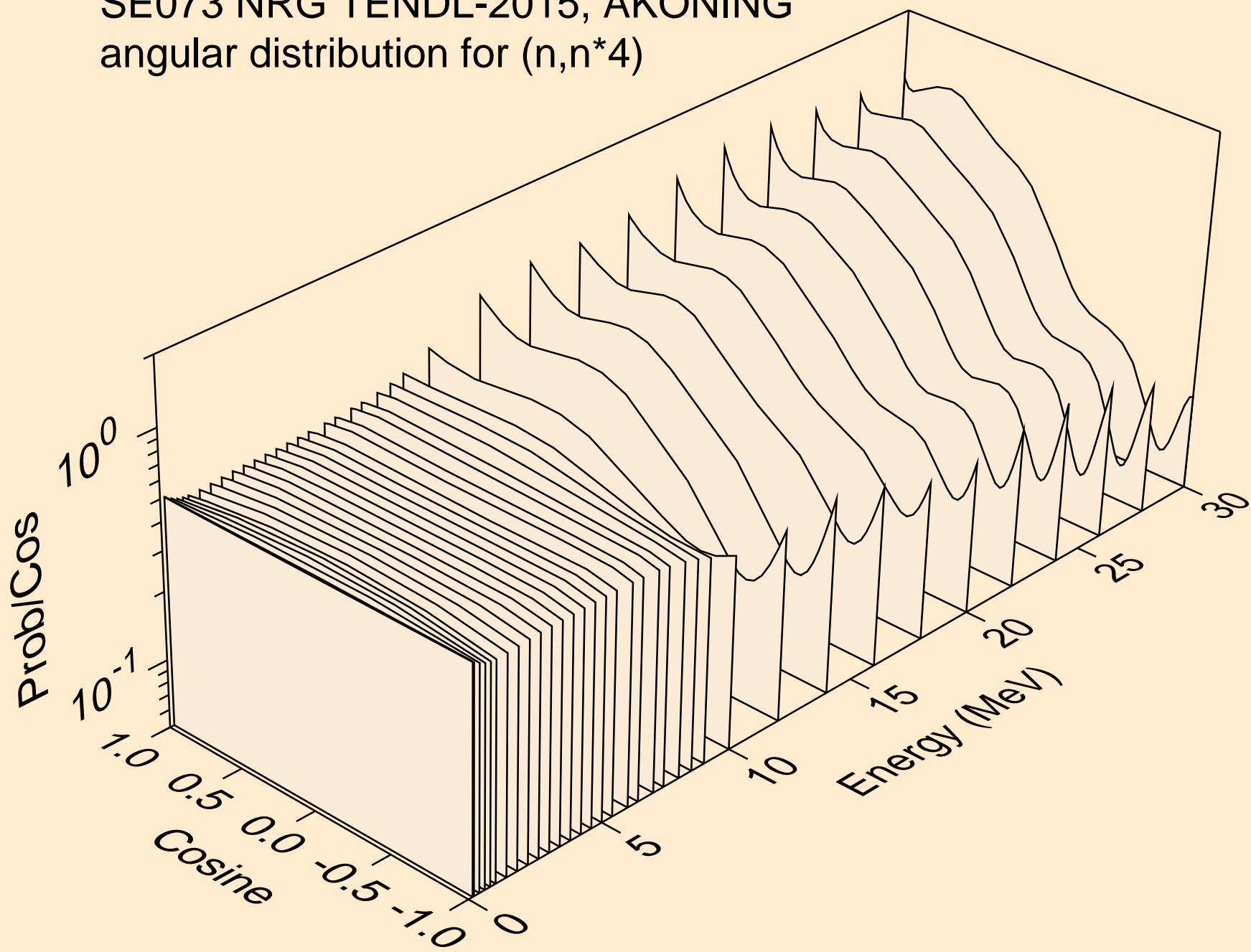
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*2)$



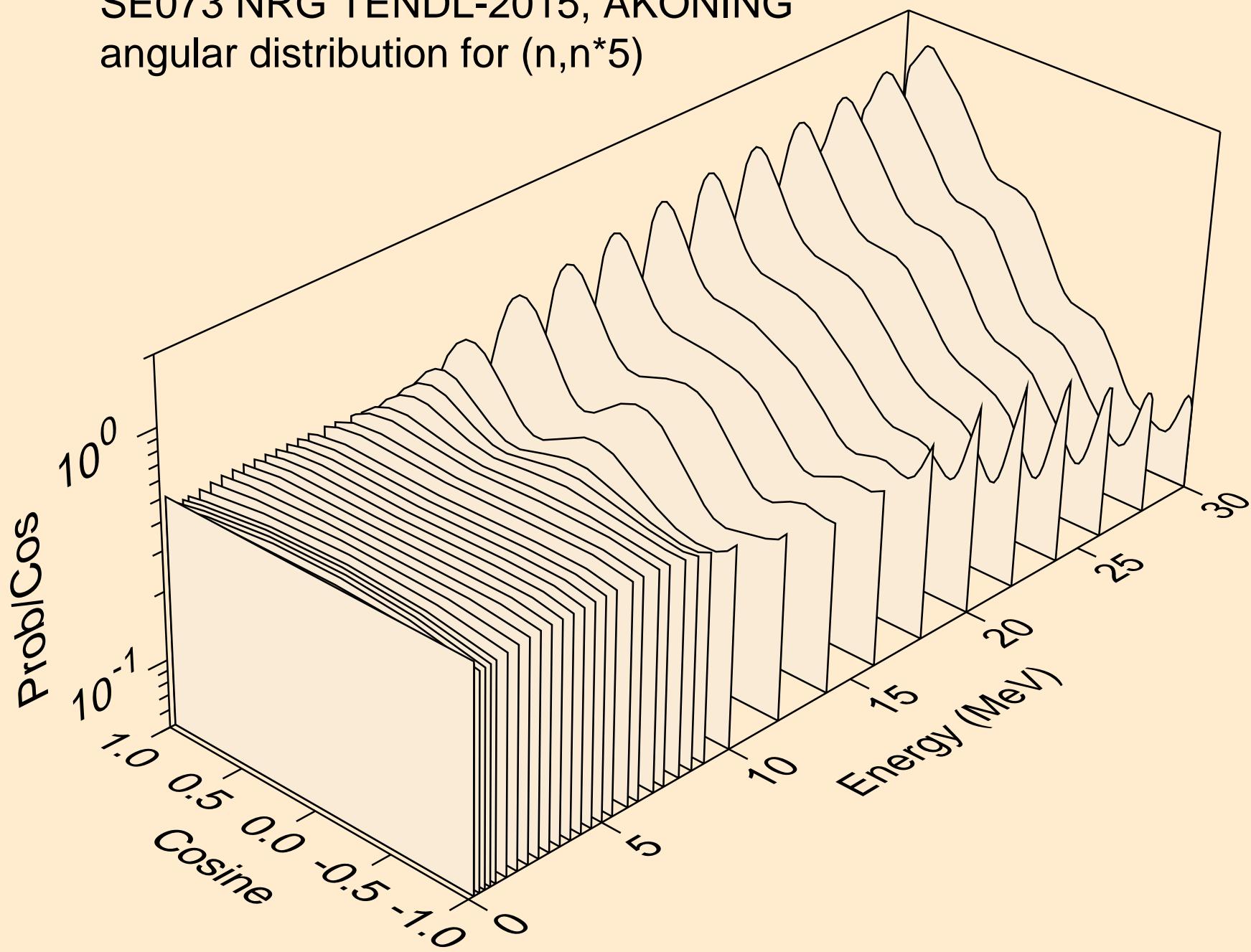
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*3)$



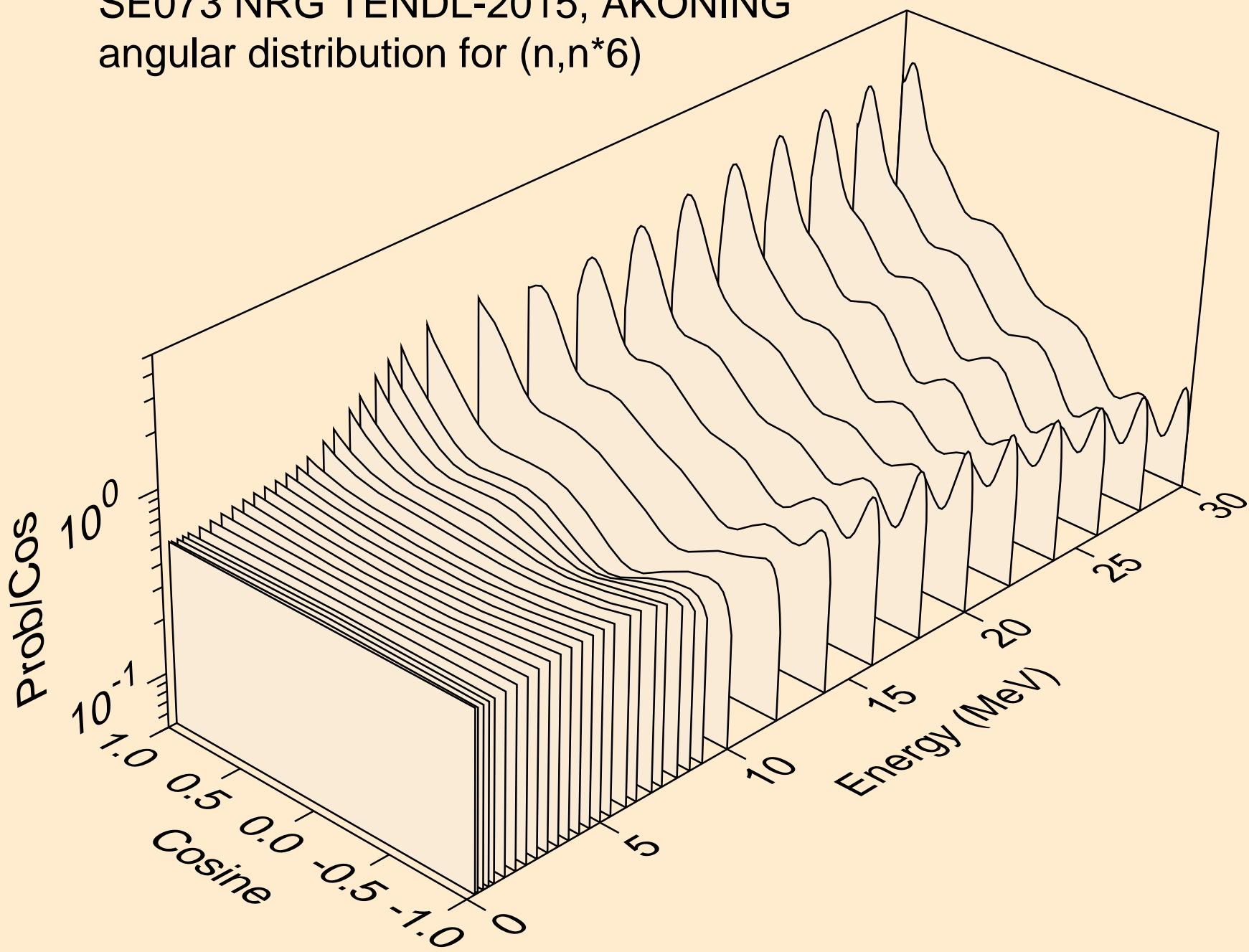
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*4)$



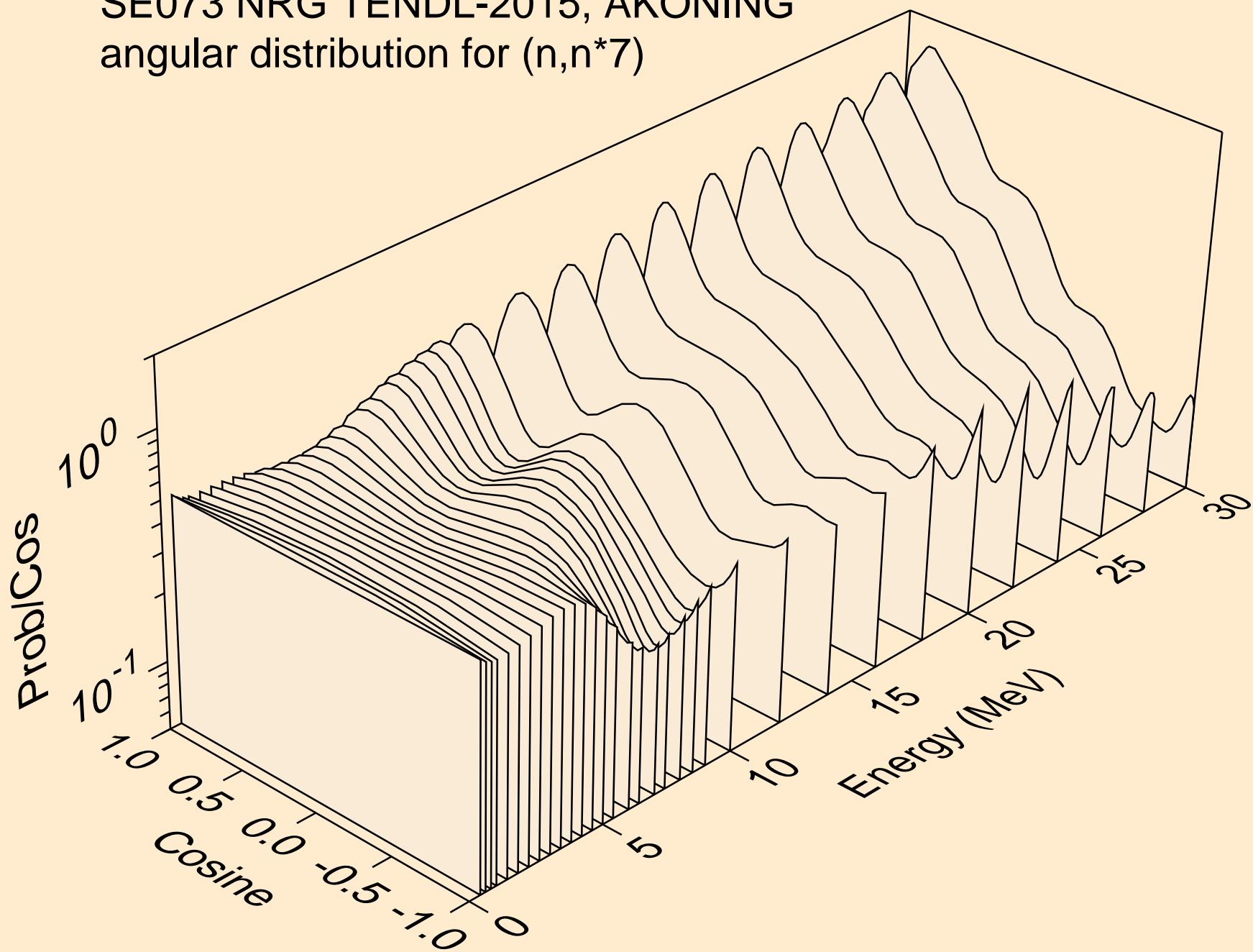
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^5$



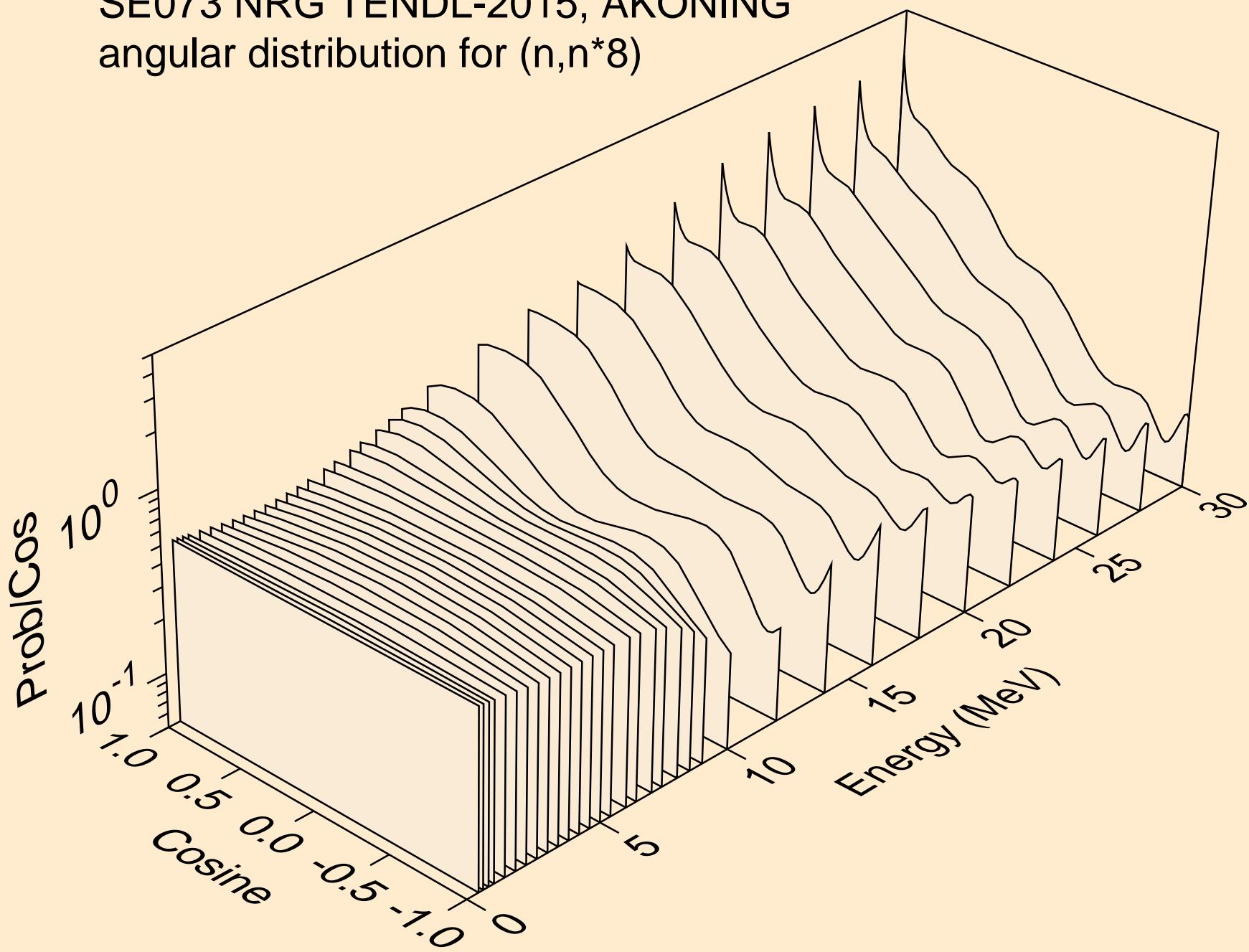
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*6)$



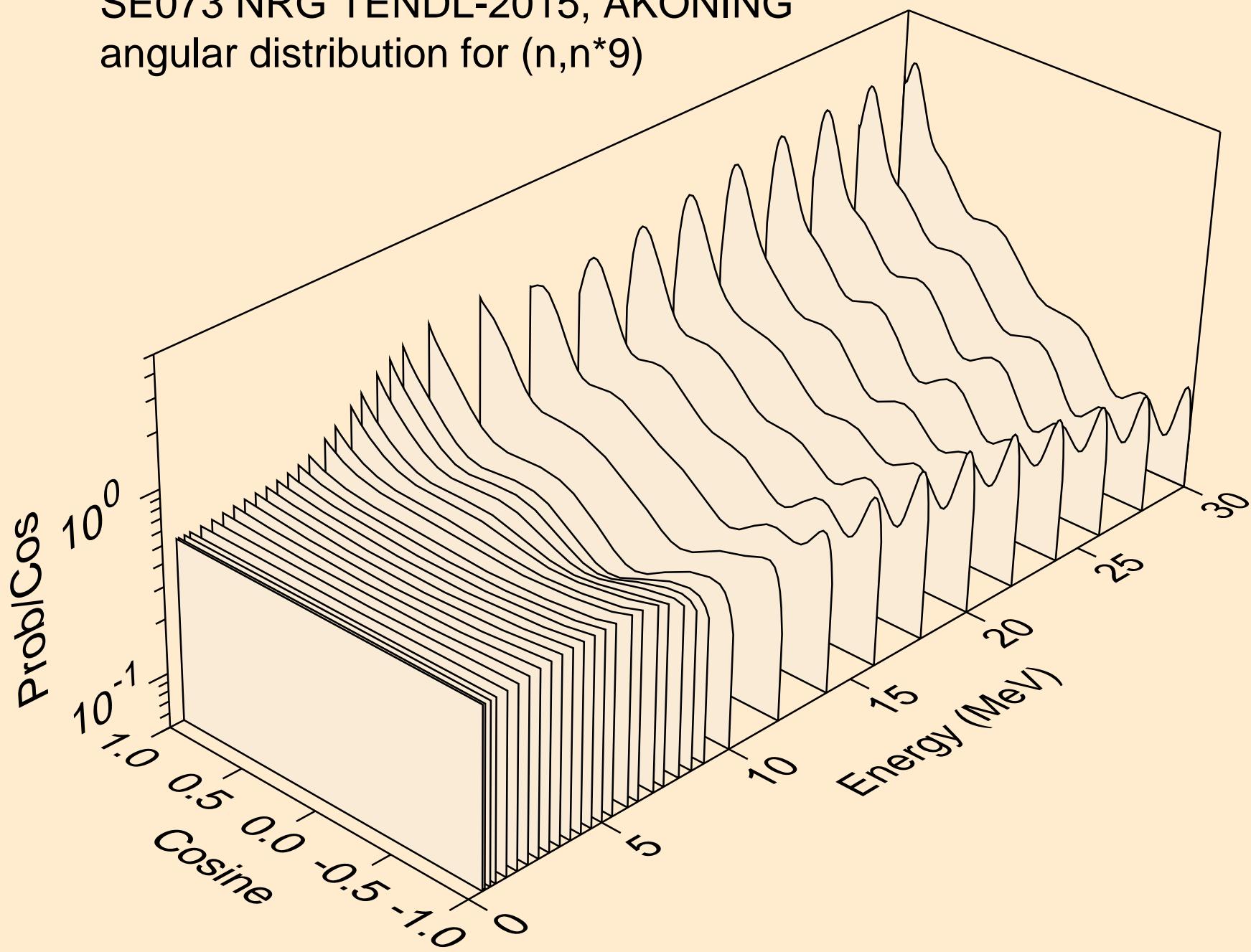
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^7$



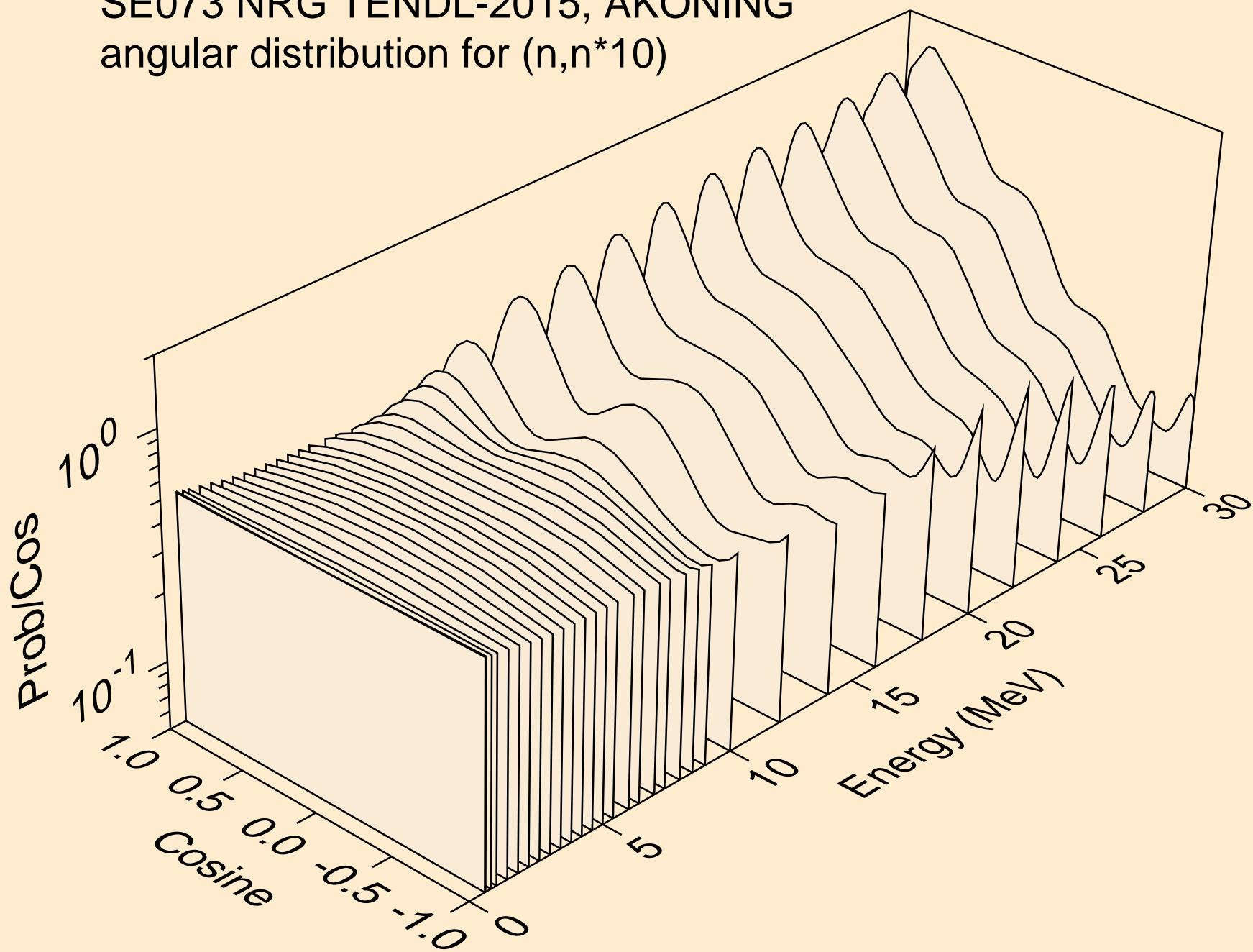
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^8$



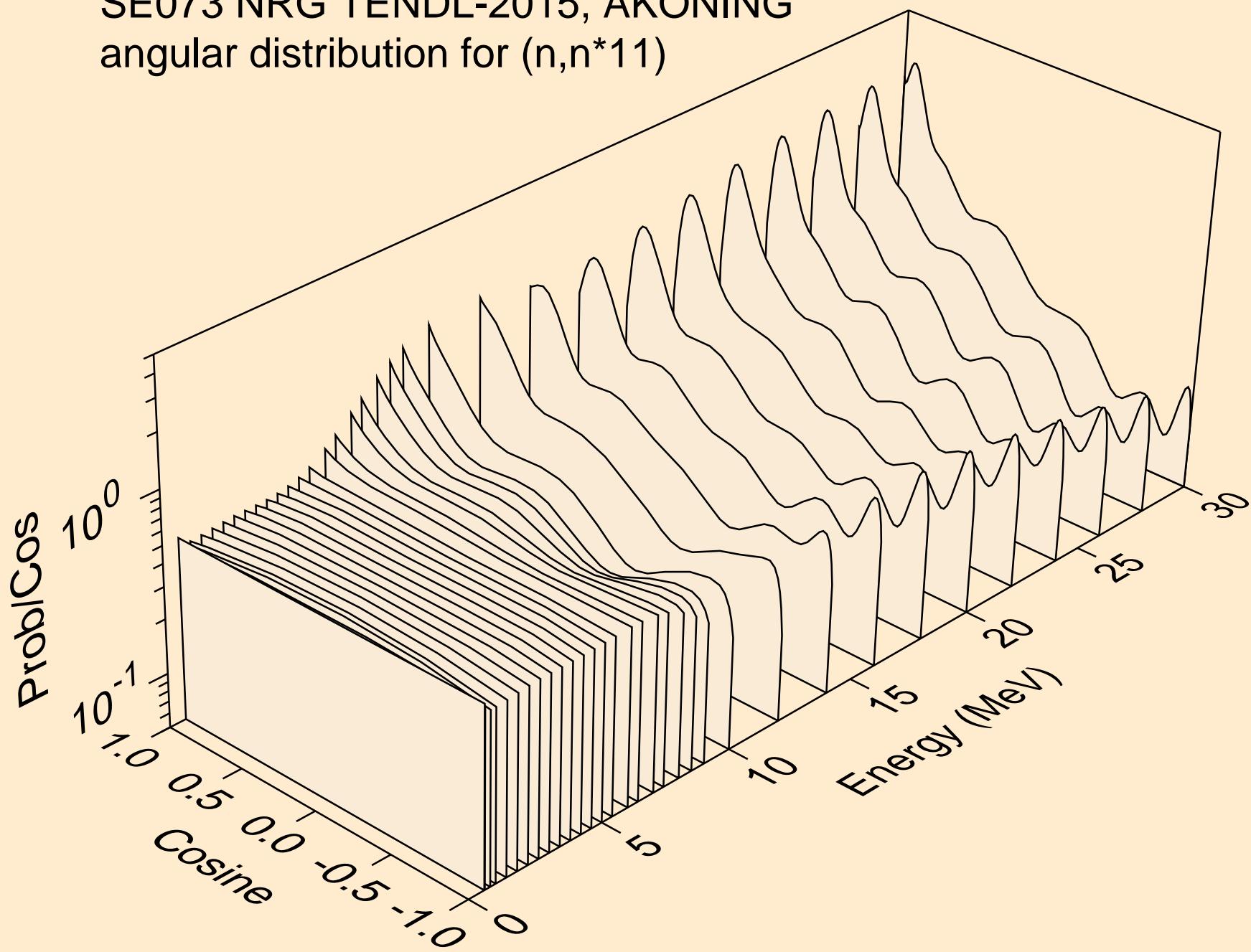
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)9$



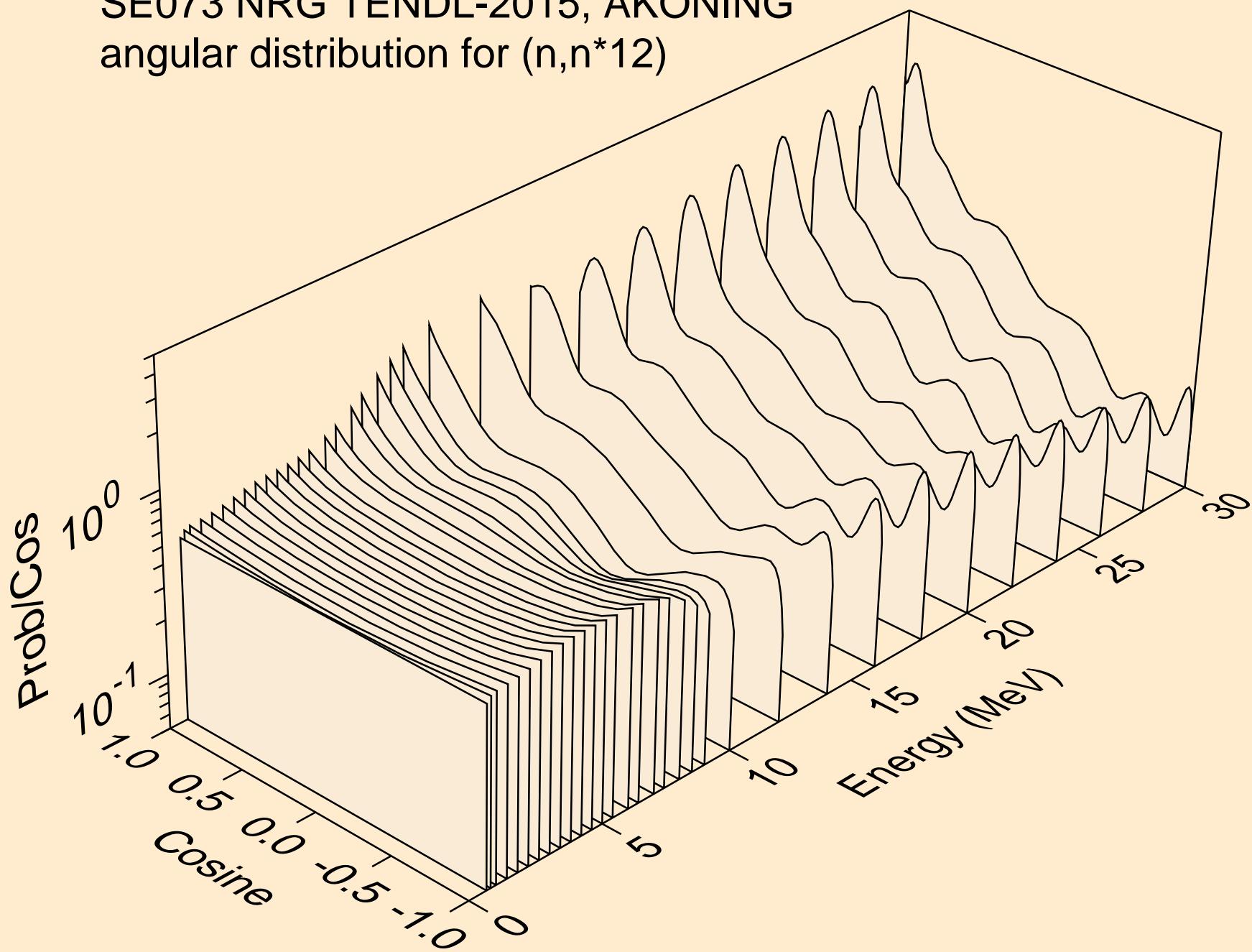
SE073 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



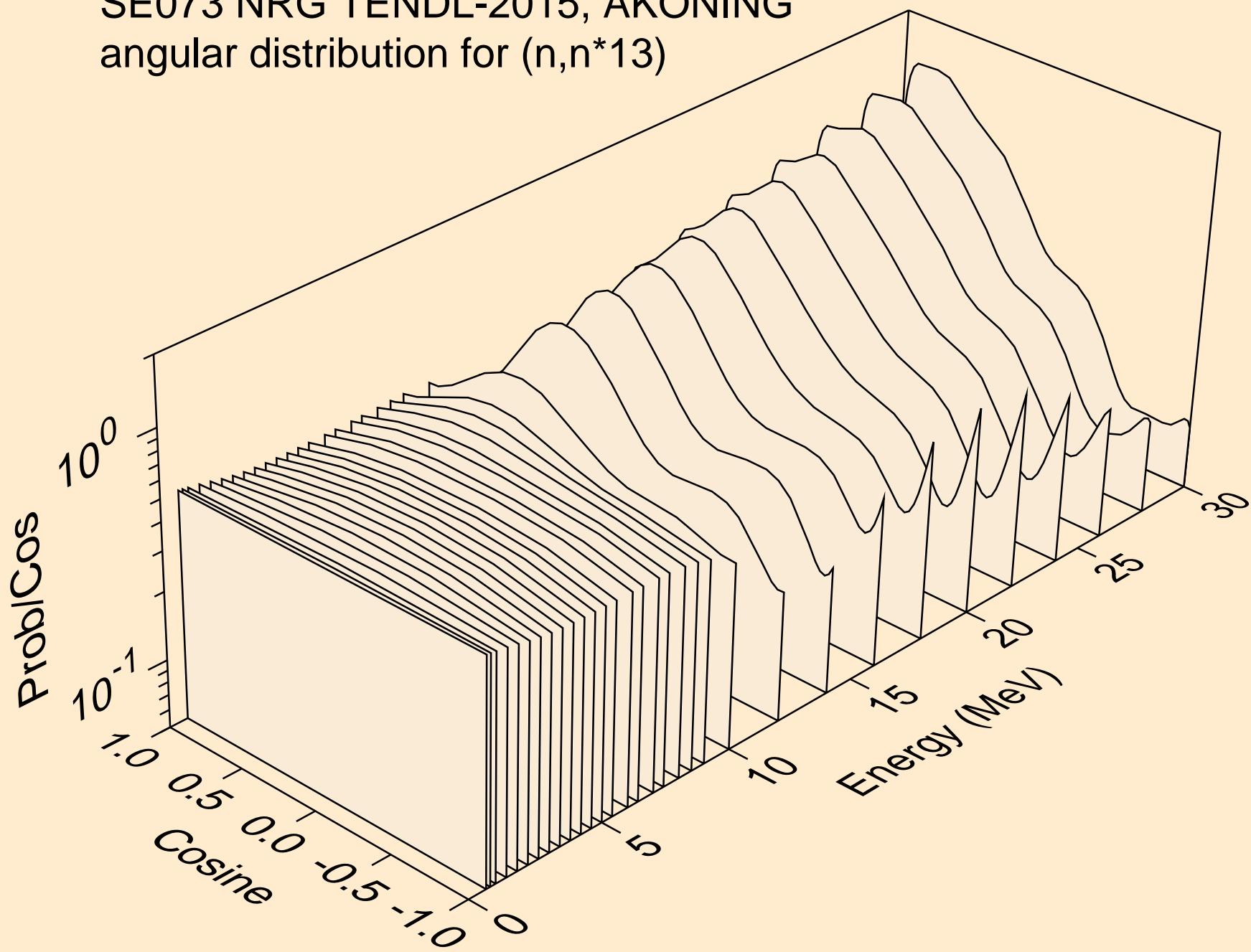
SE073 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



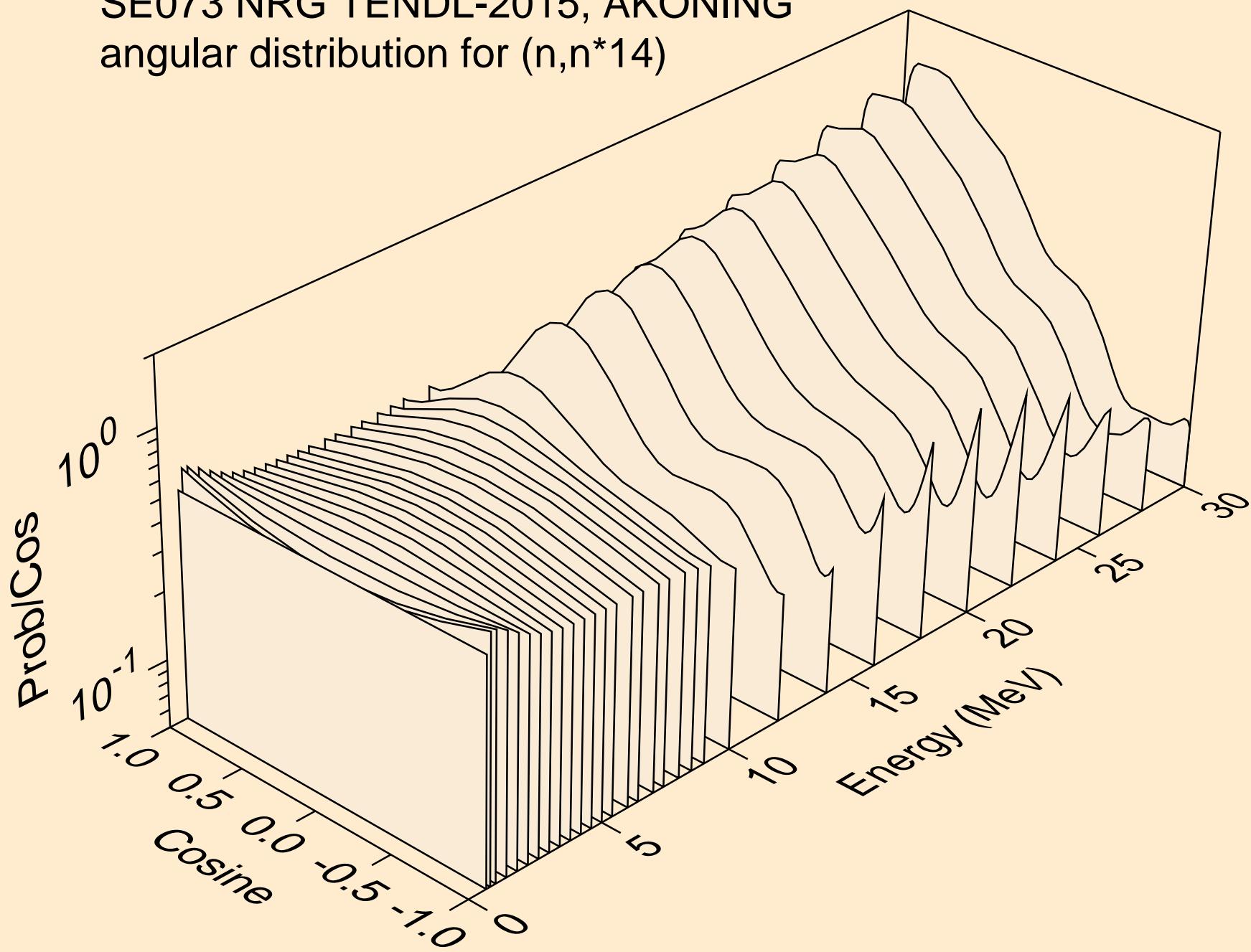
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*12)$



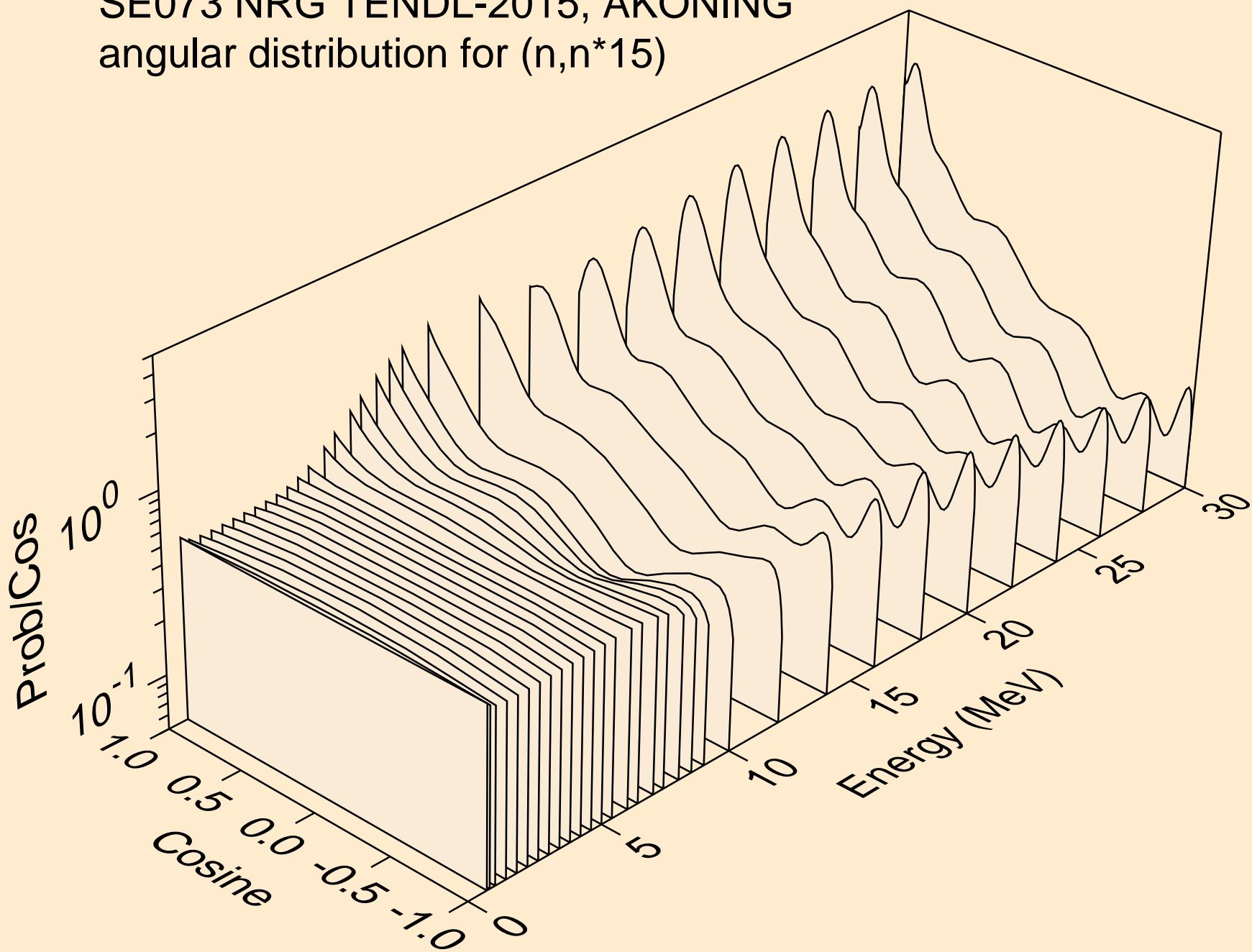
SE073 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)



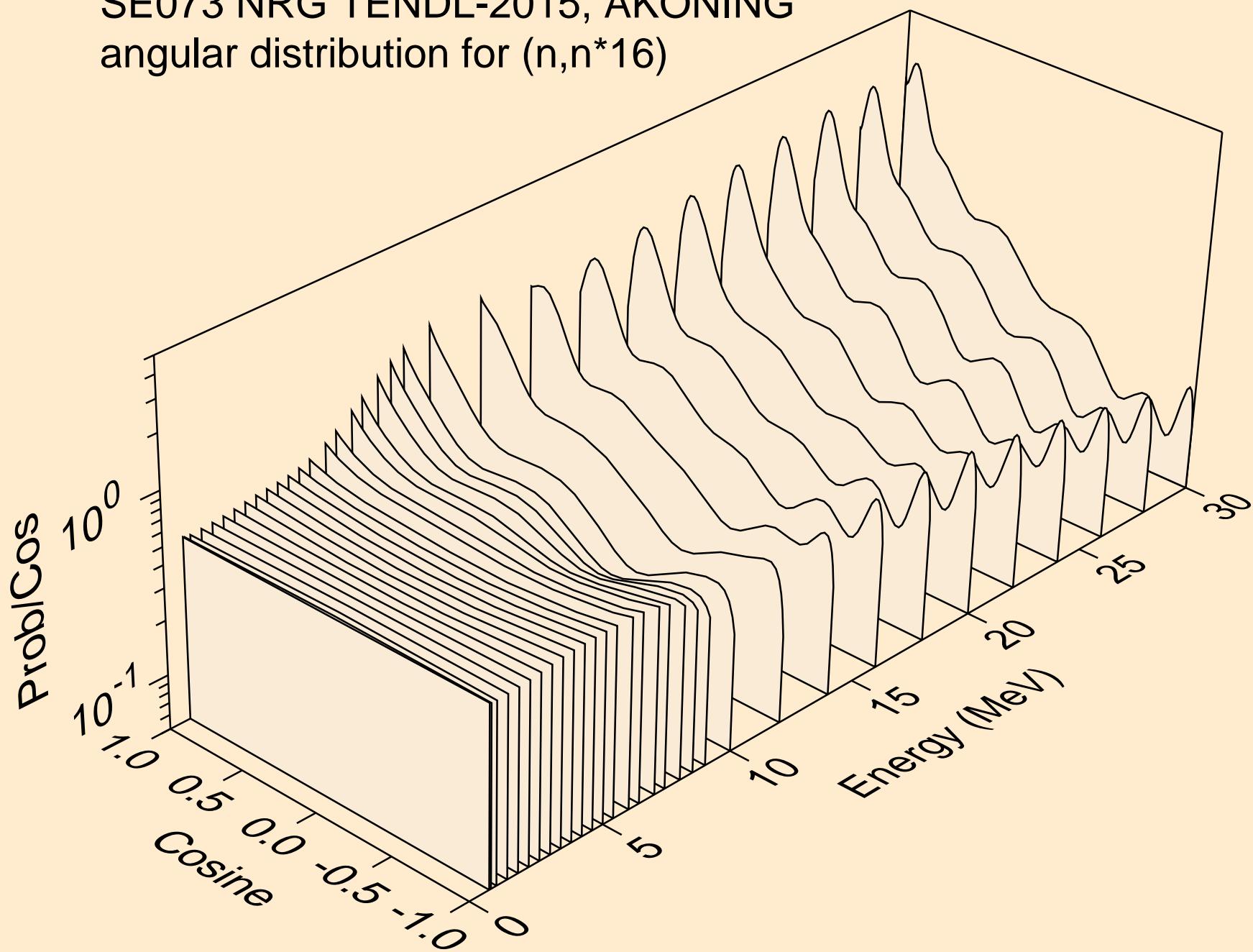
SE073 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



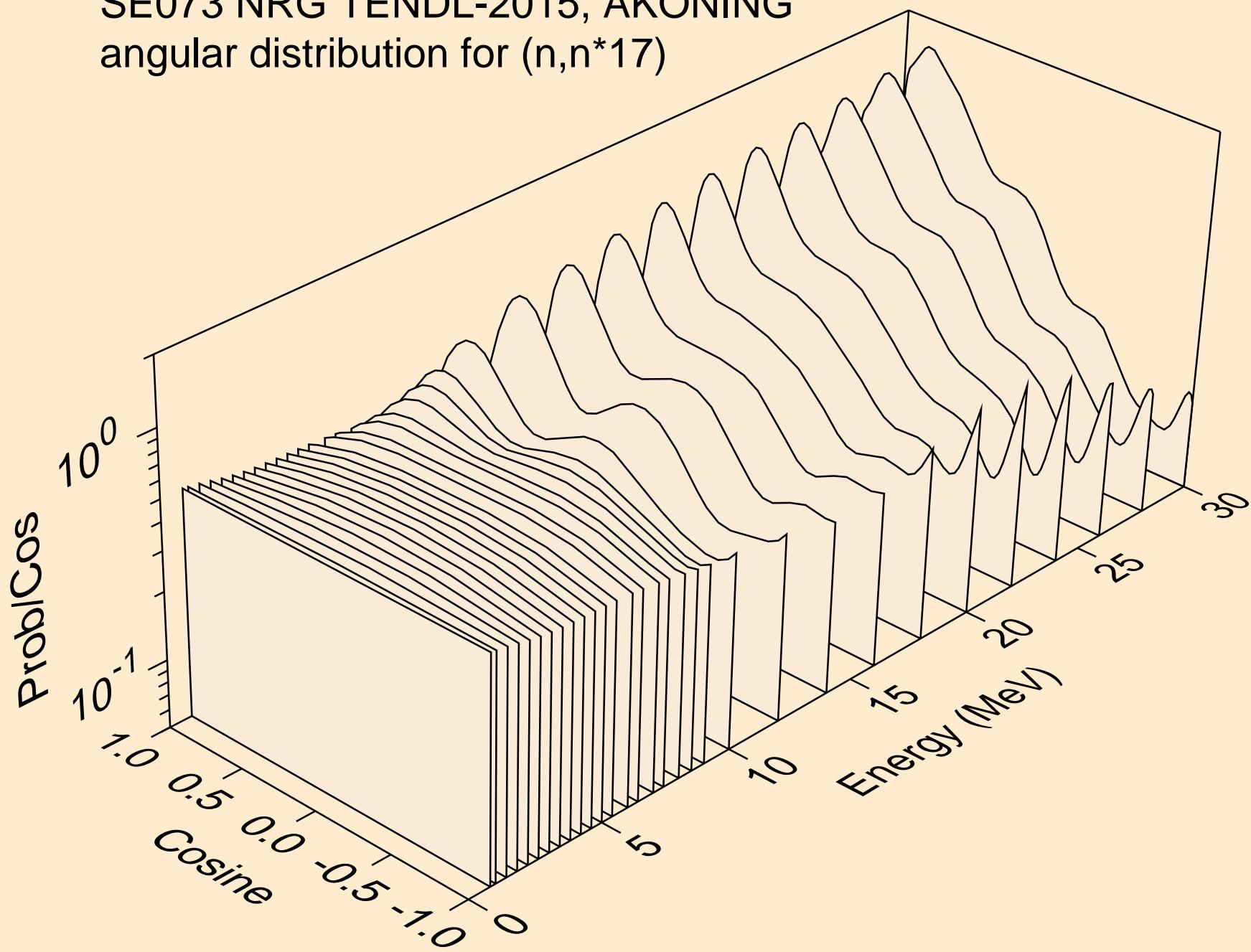
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*15)$



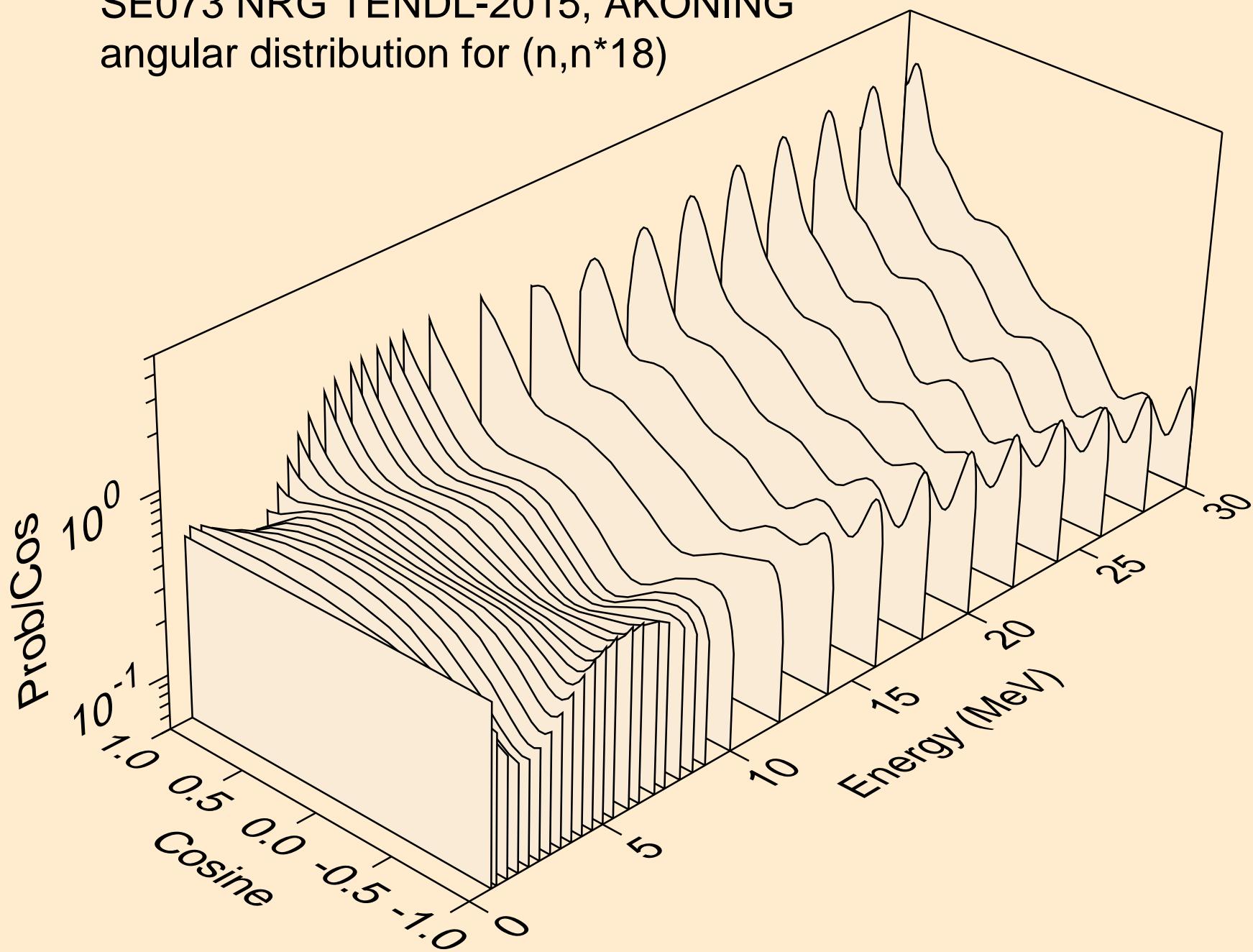
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*16)$



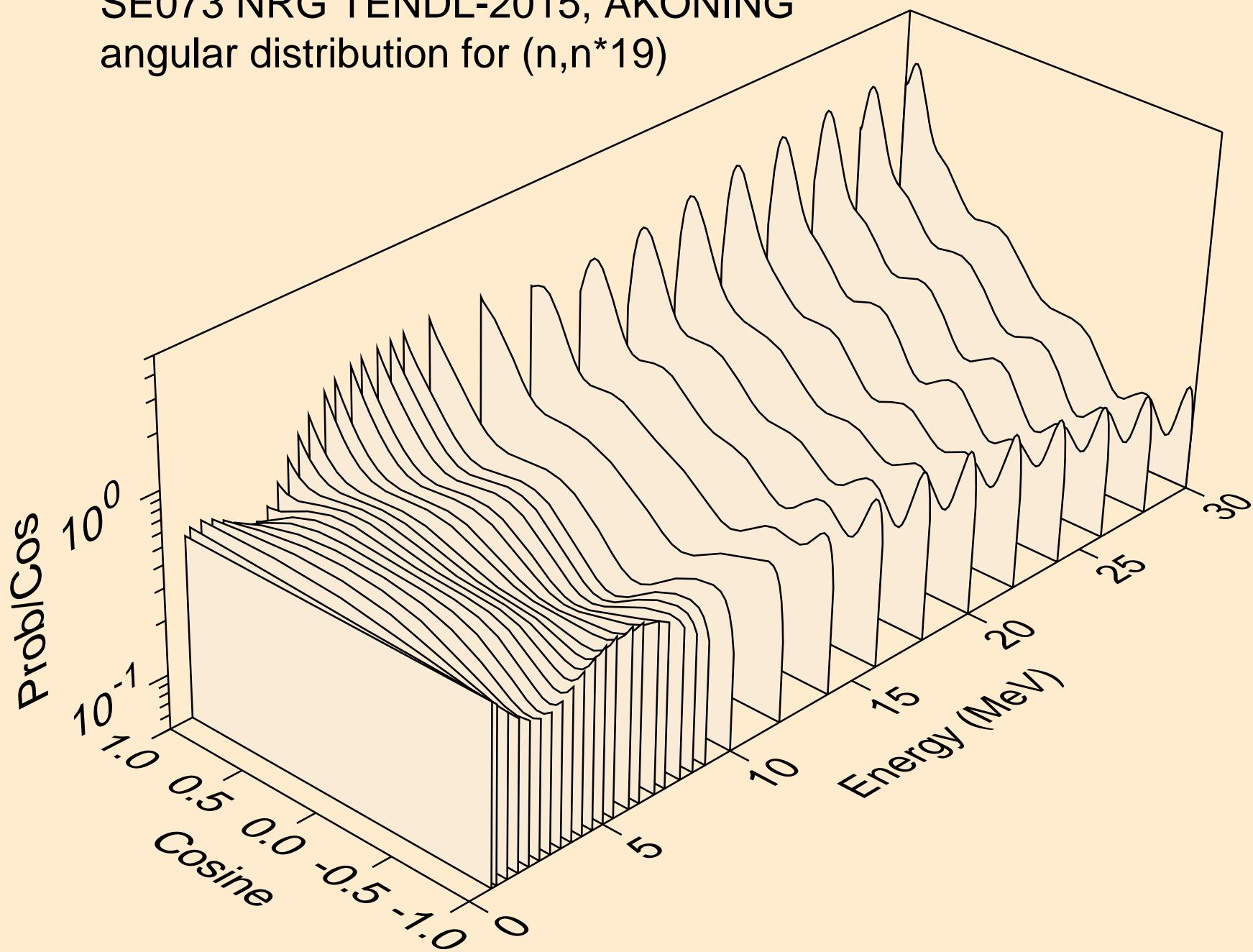
SE073 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



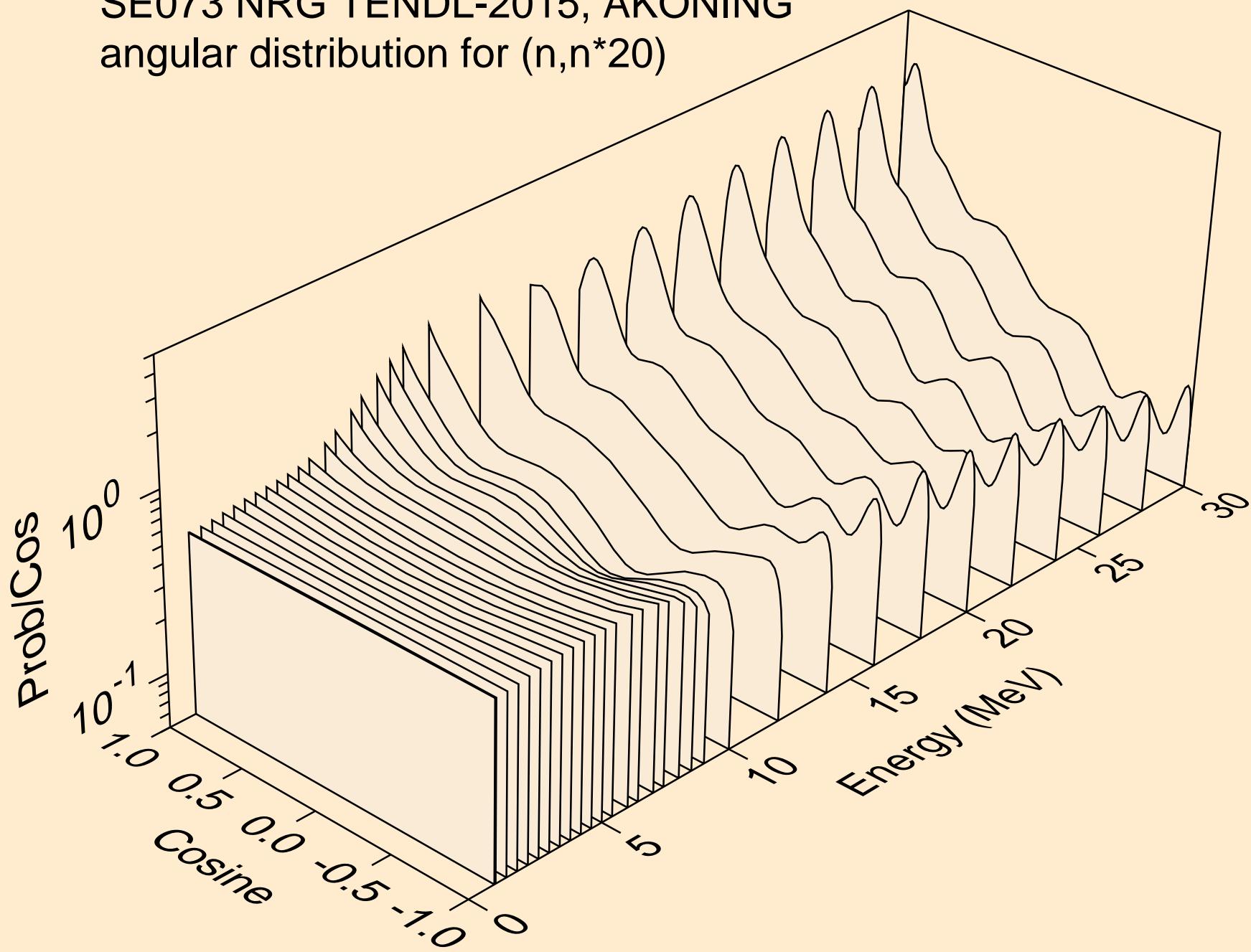
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*18)$



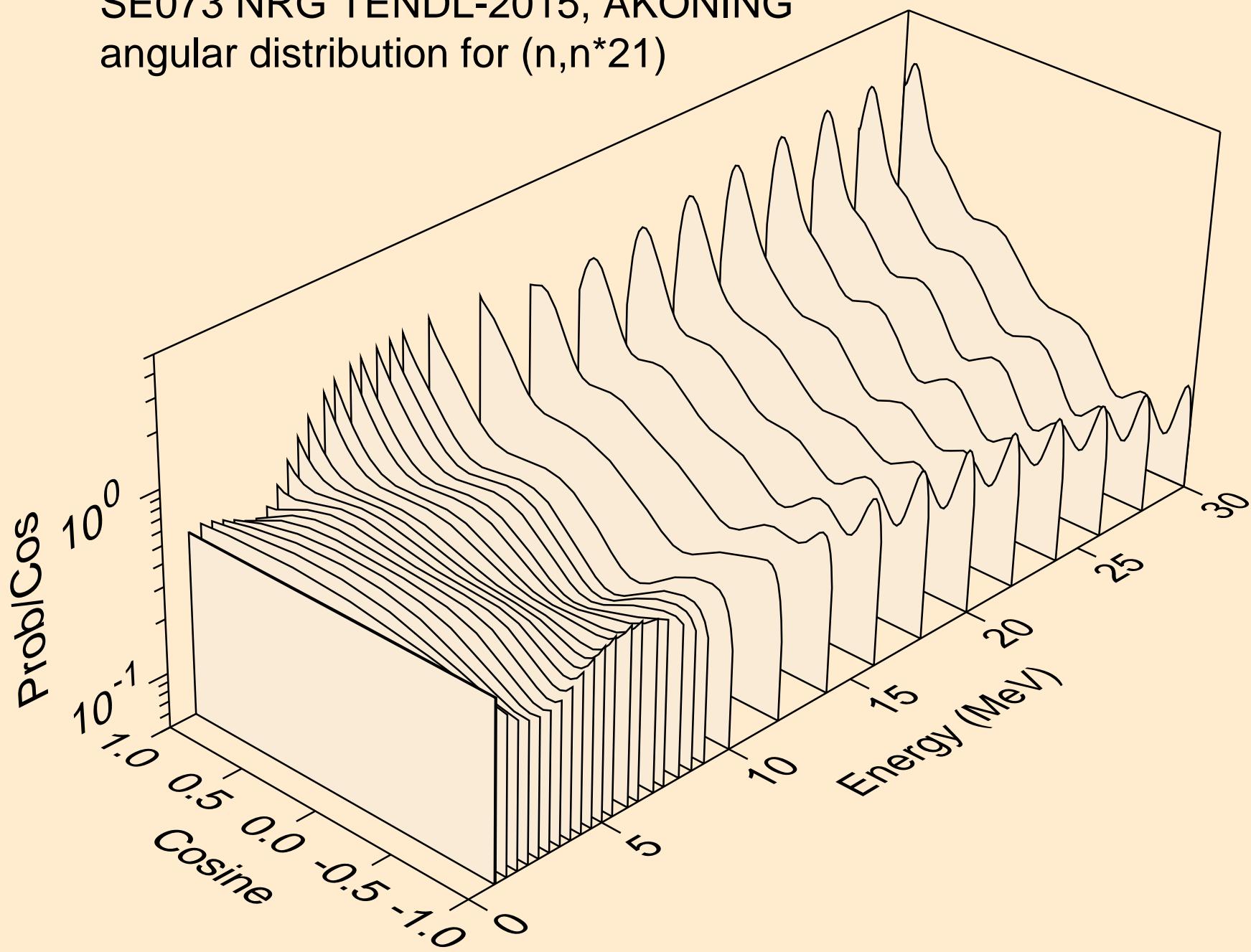
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*19)$



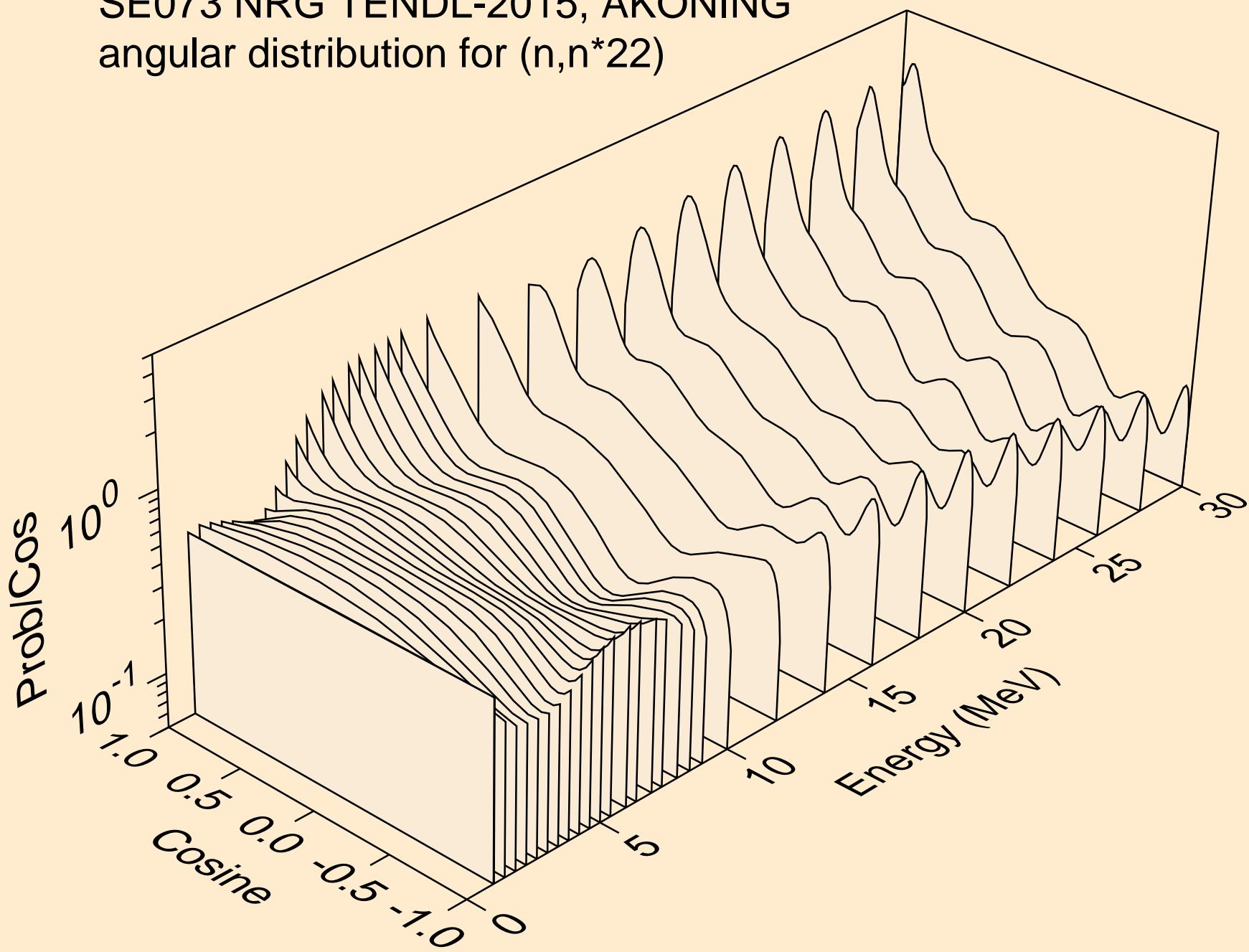
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)20$



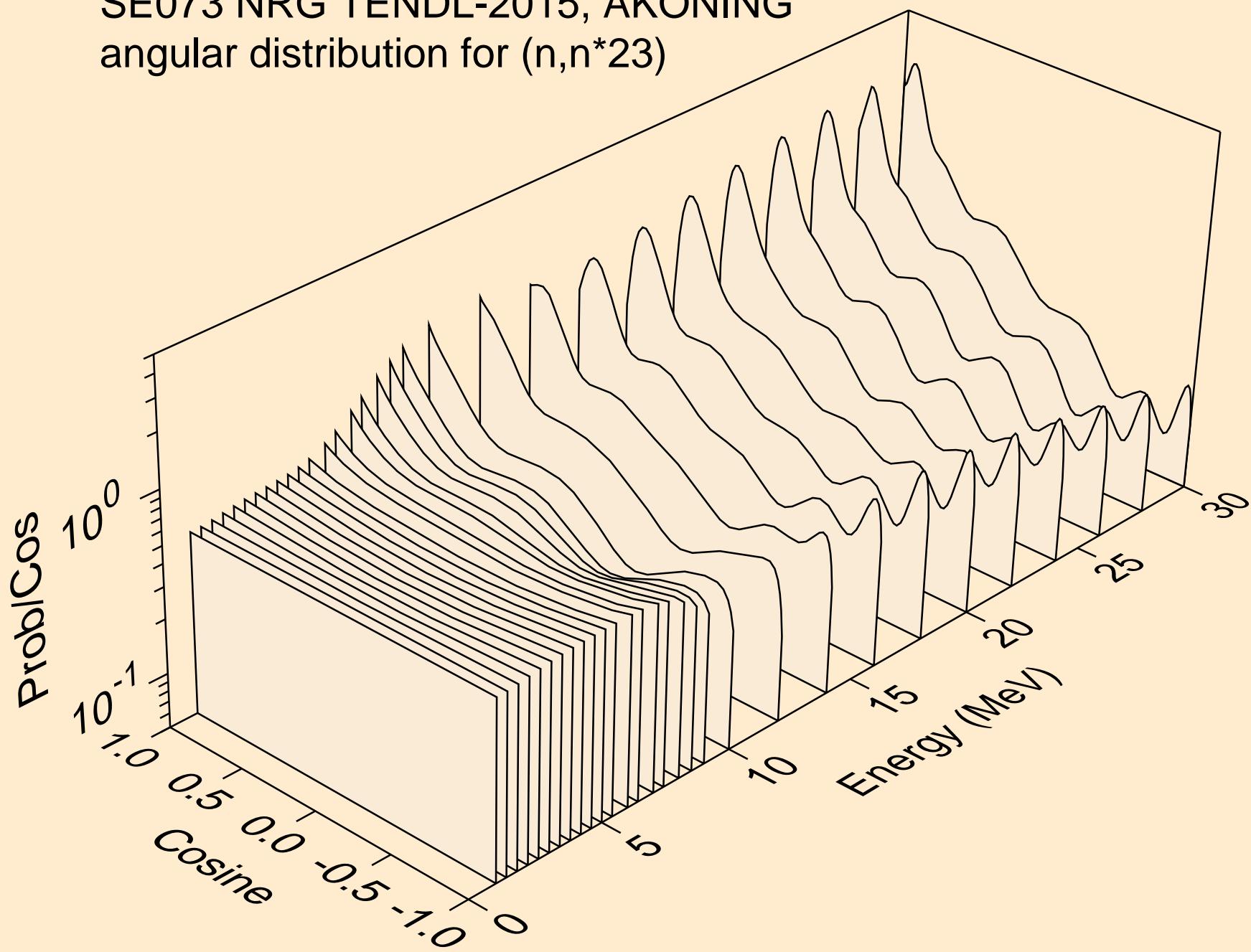
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*21)$



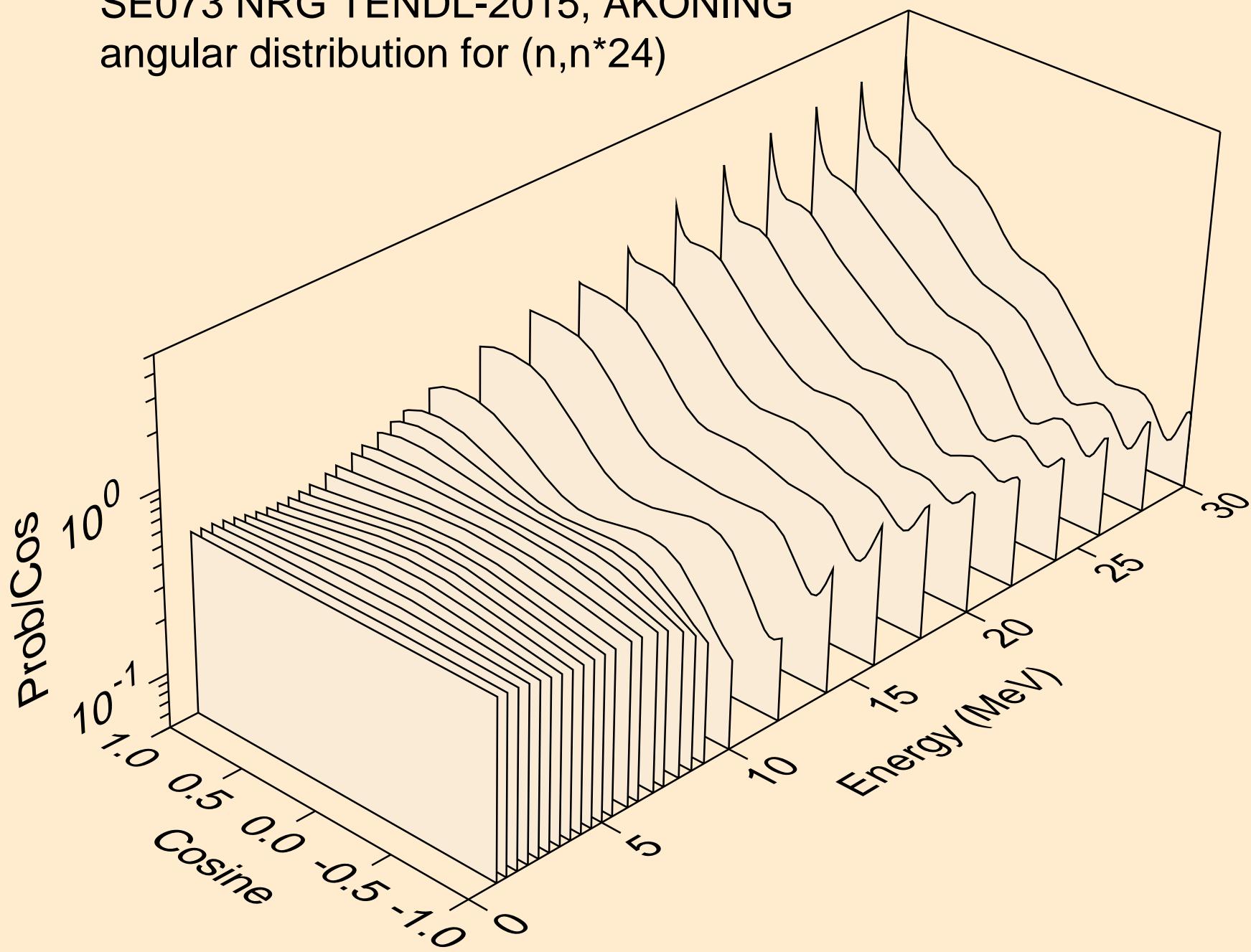
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{22}$



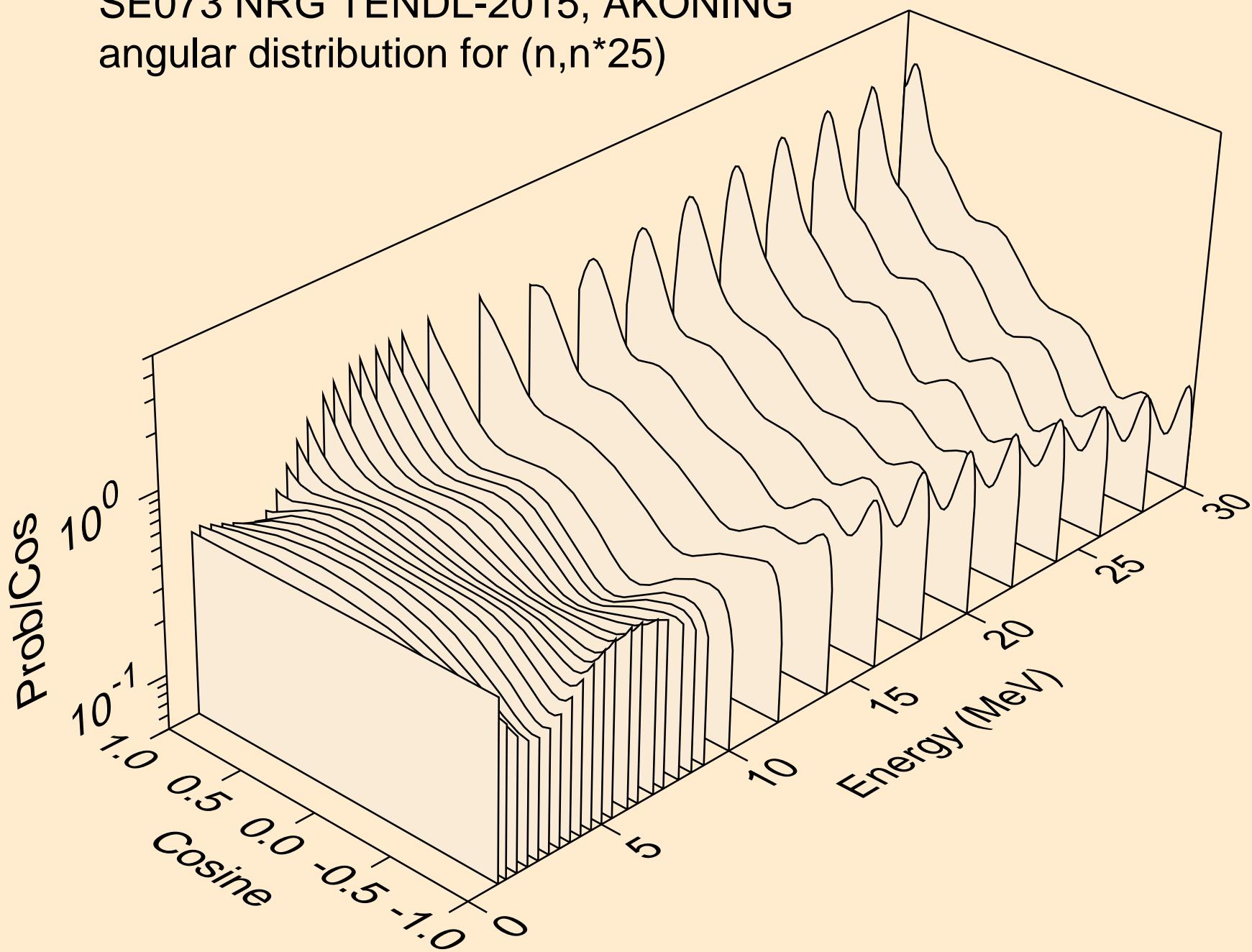
SE073 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*$ )23



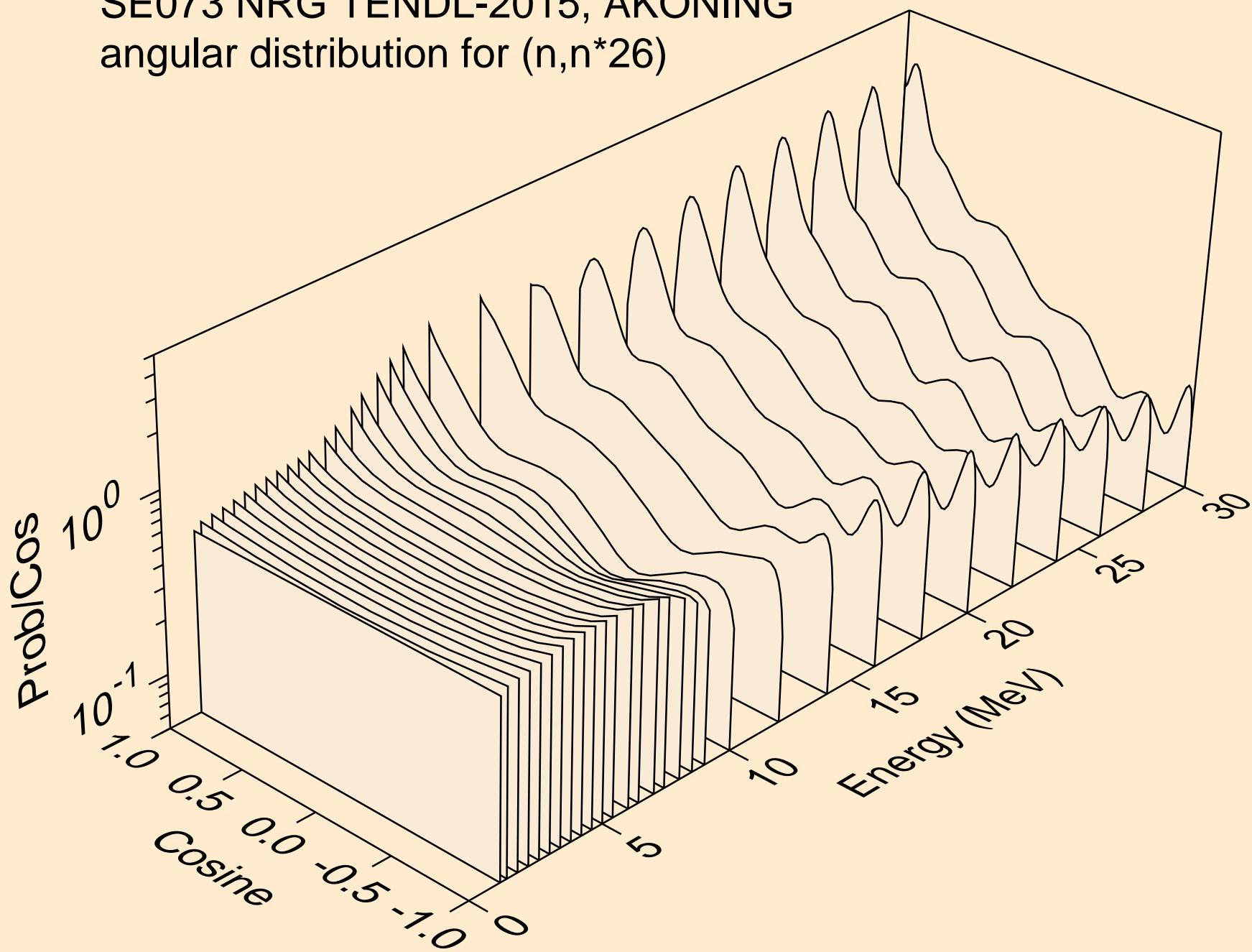
SE073 NRG TENDL-2015, AKONING  
angular distribution for ( $n,n^*$ )24



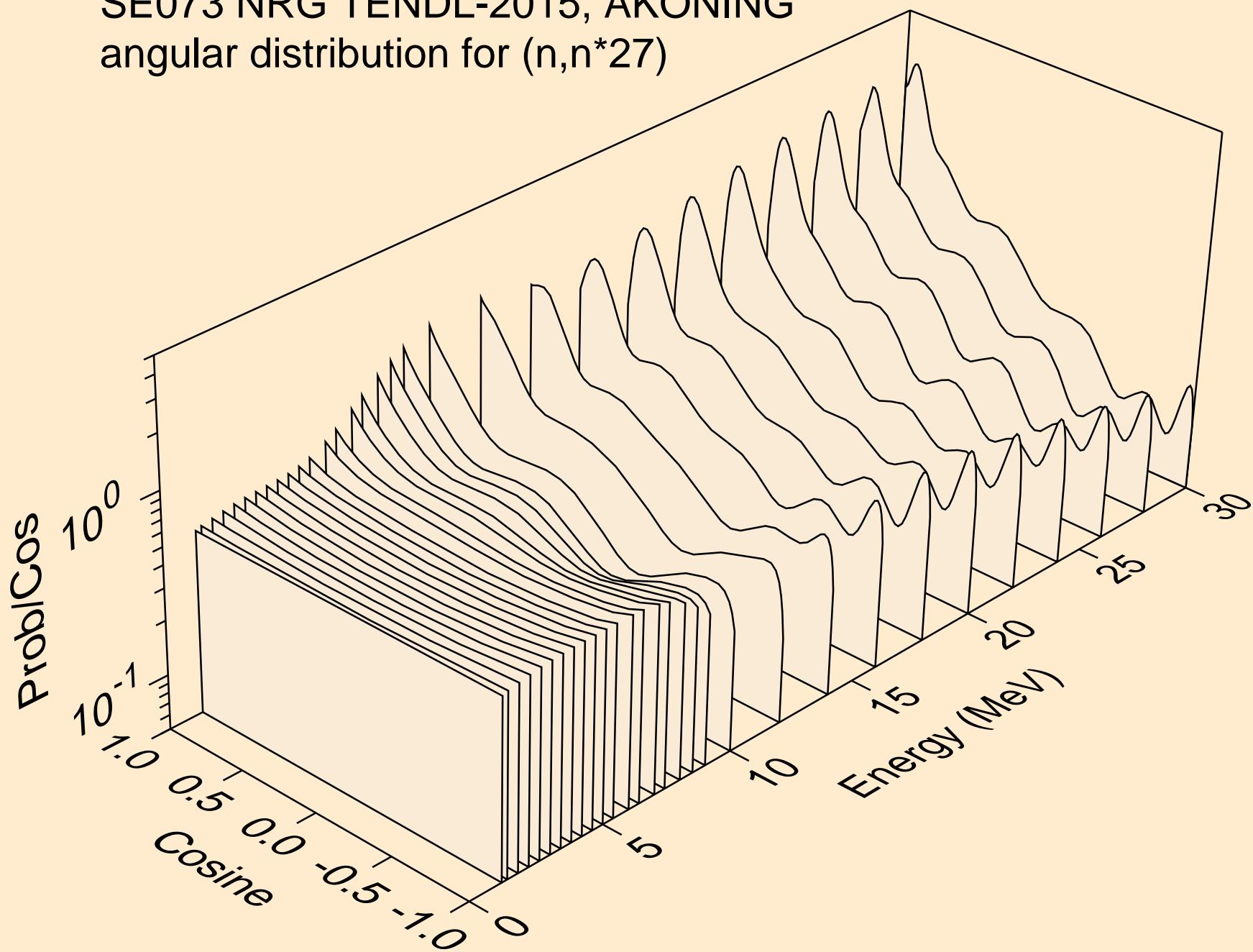
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{25}$



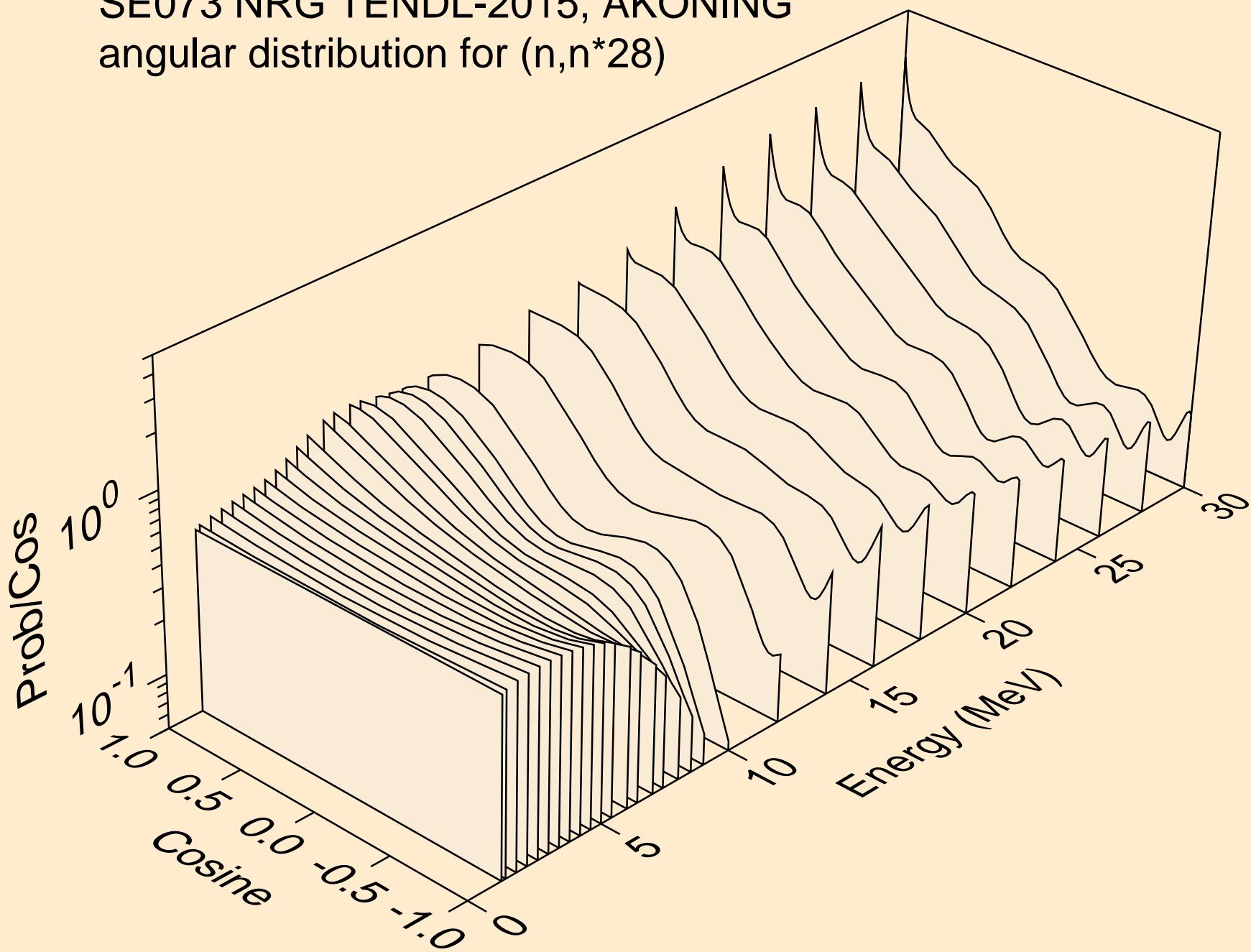
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)_{26}$



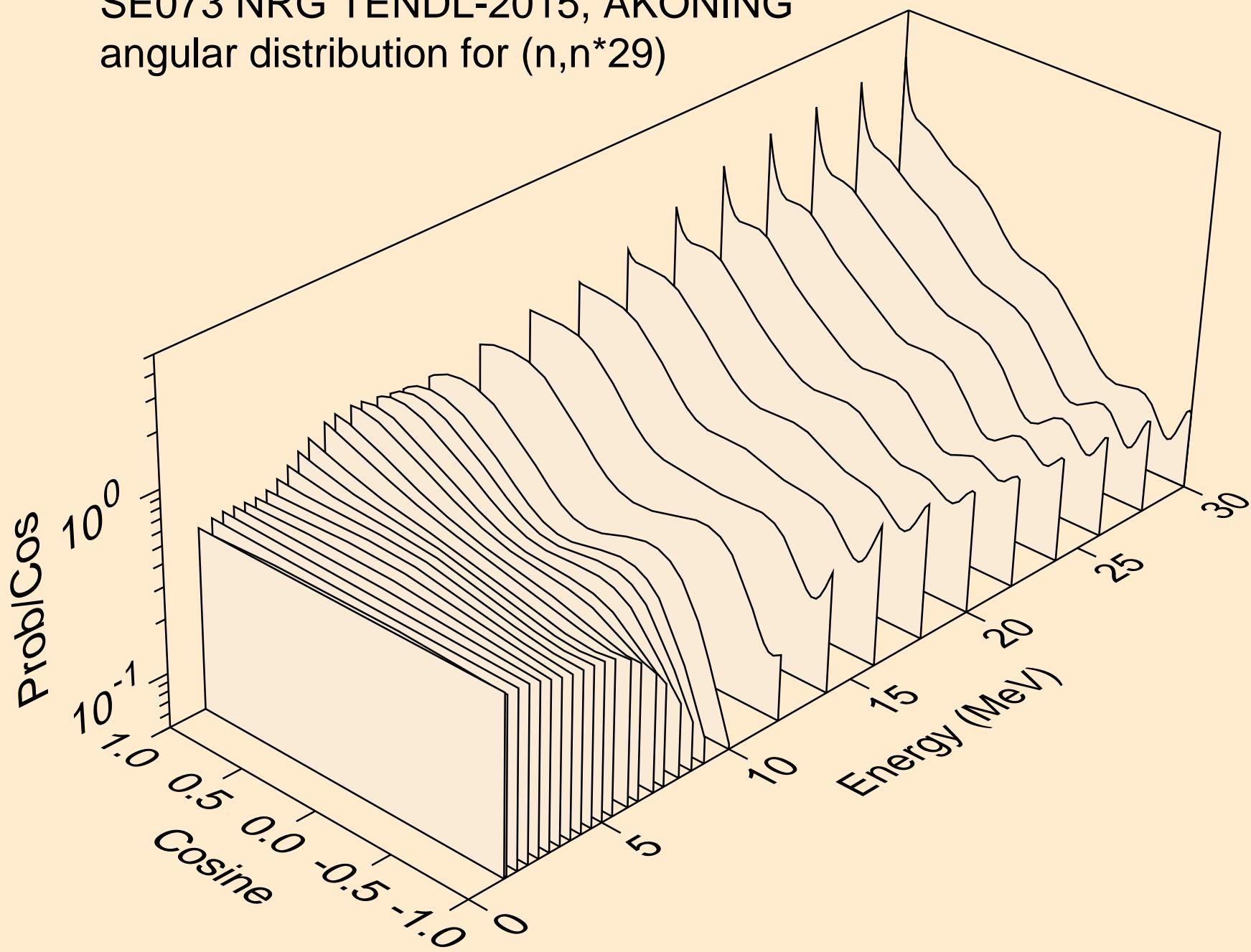
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*{}^{27})$



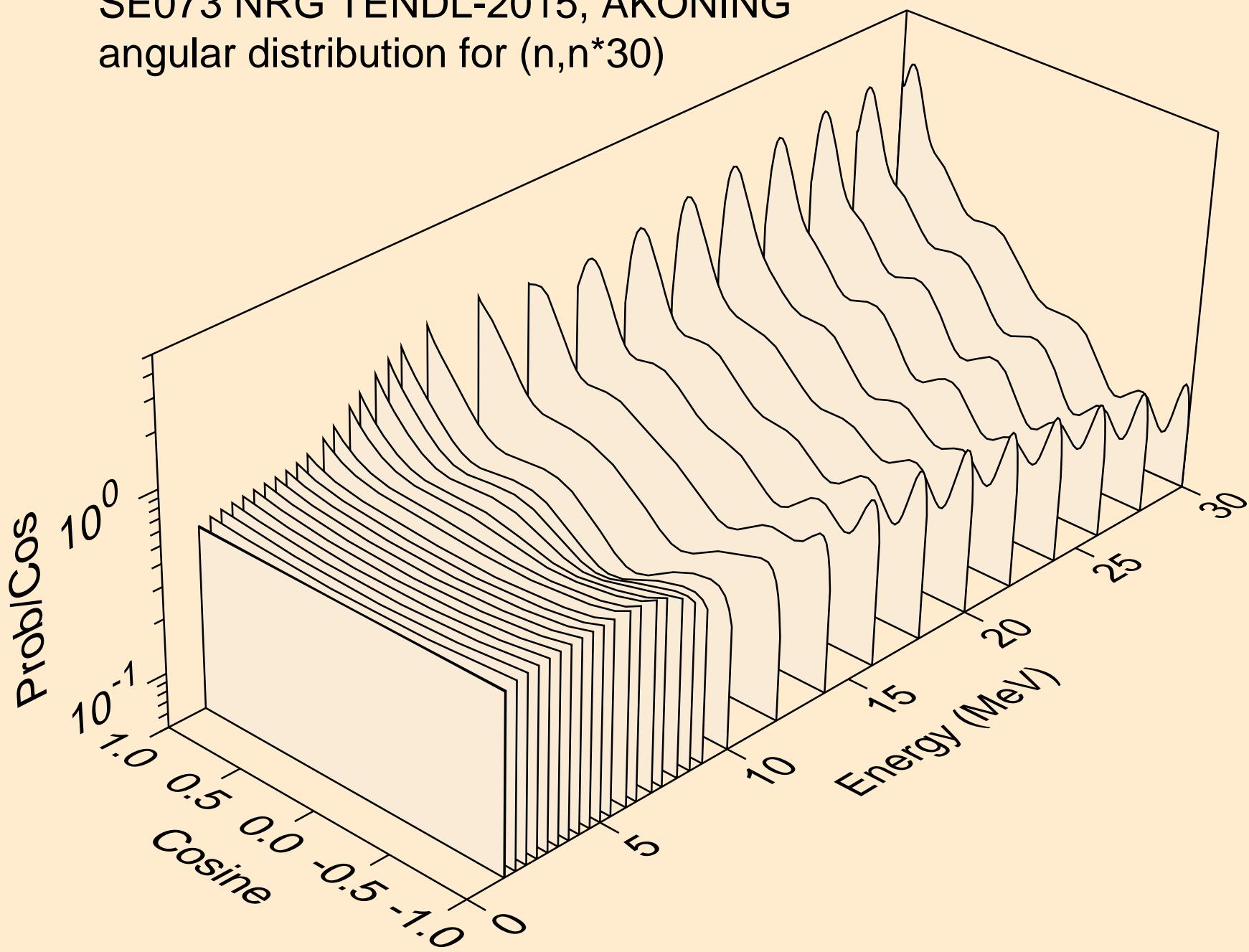
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)^{28}$



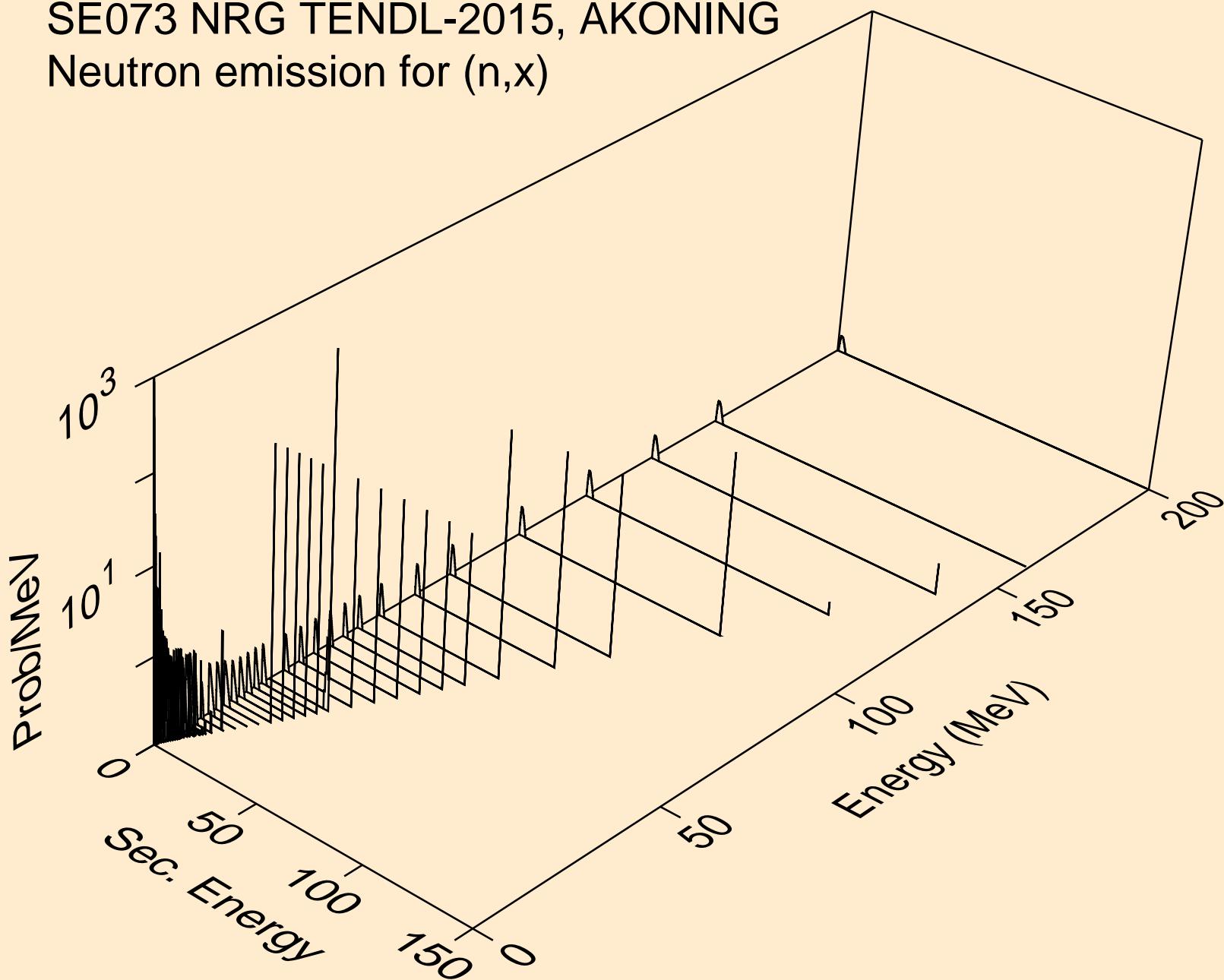
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*29)$



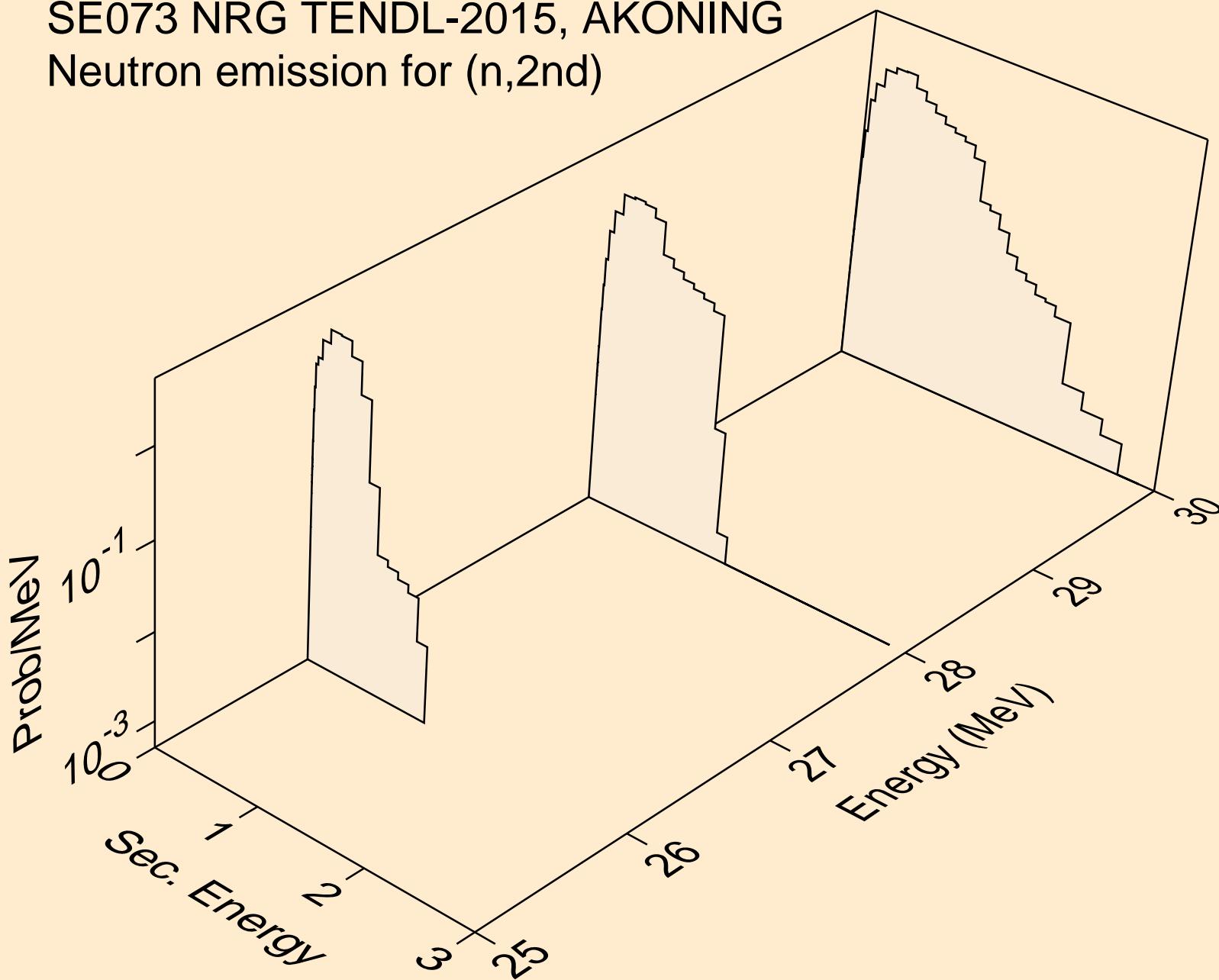
SE073 NRG TENDL-2015, AKONING  
angular distribution for  $(n,n^*)30$



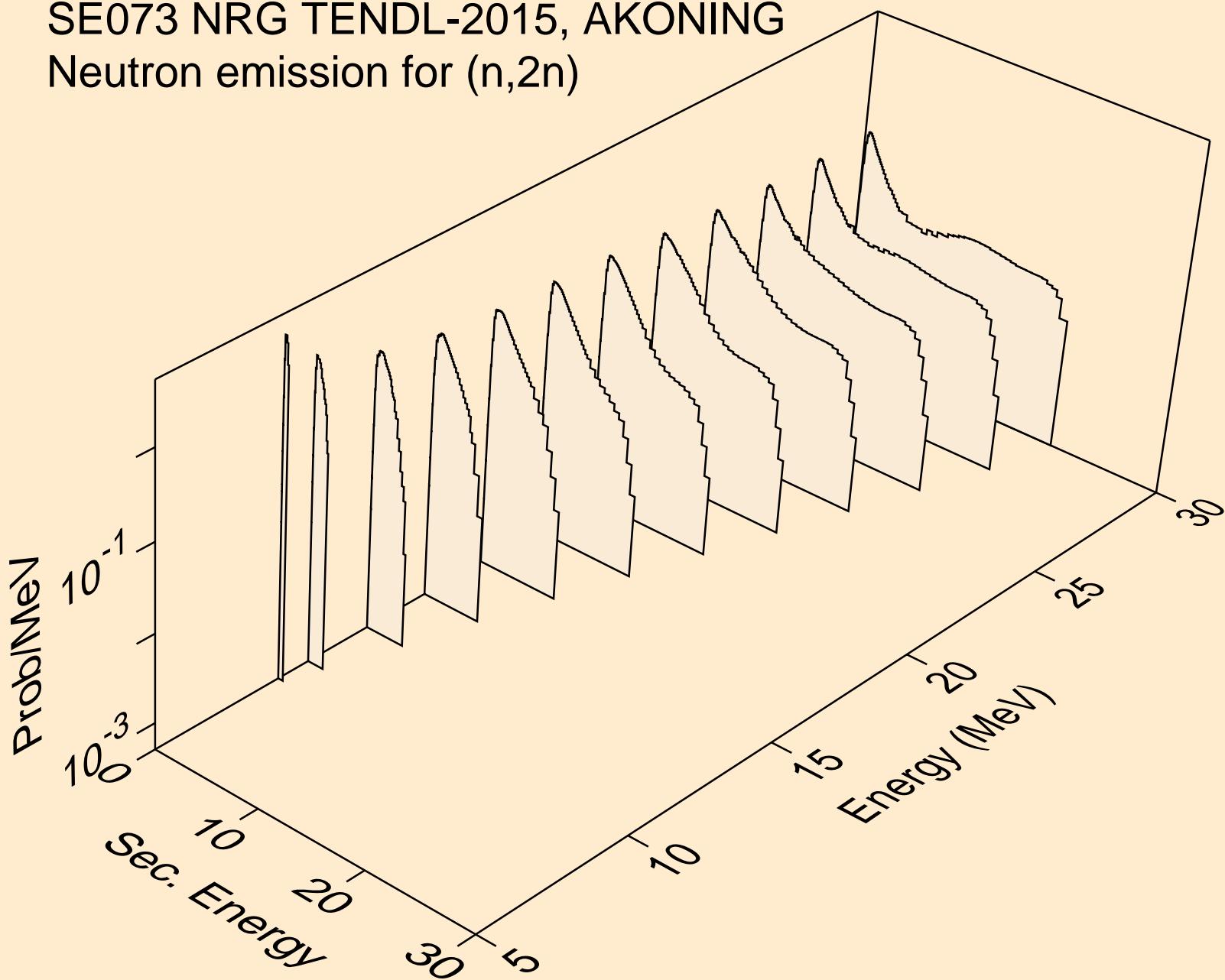
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



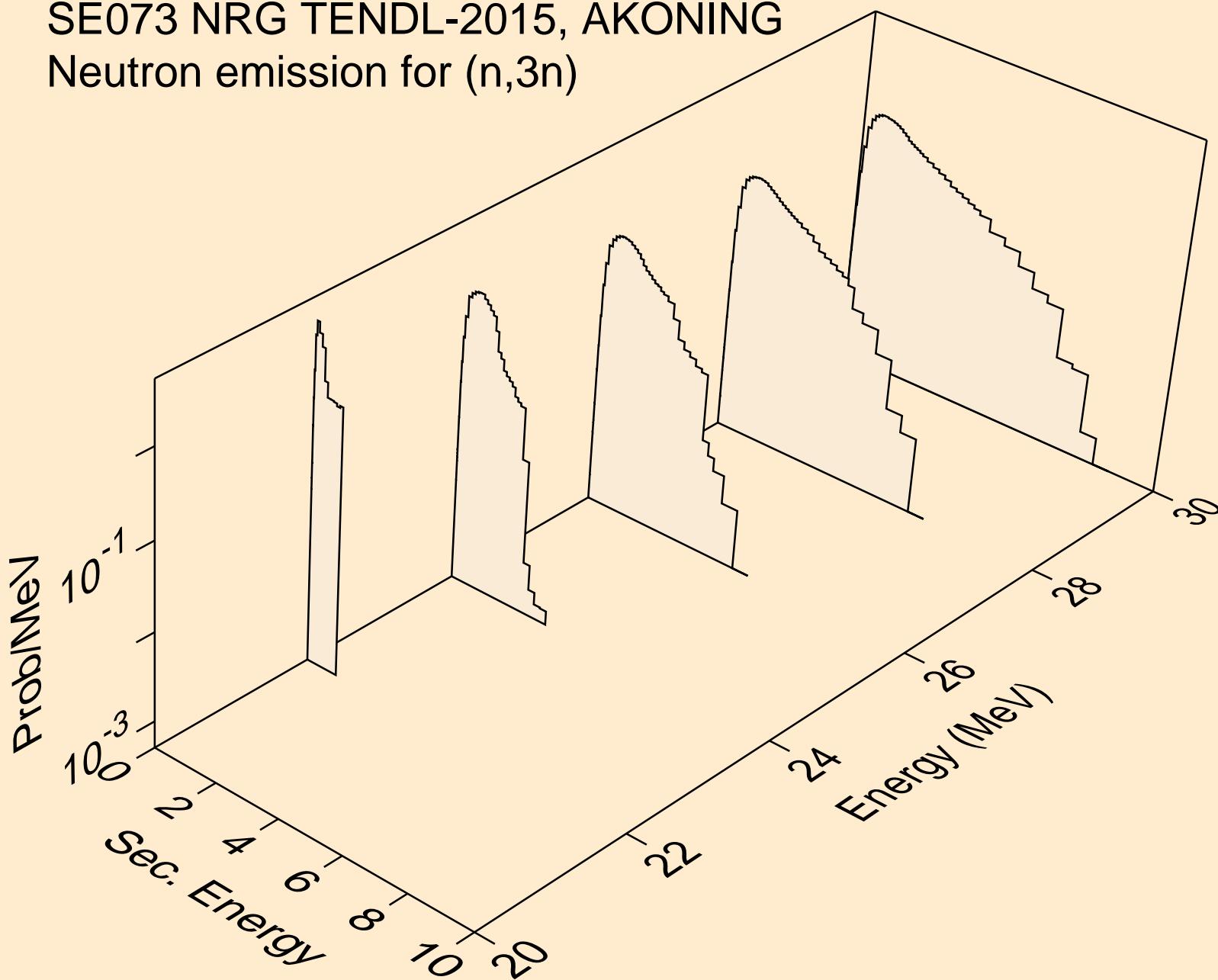
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



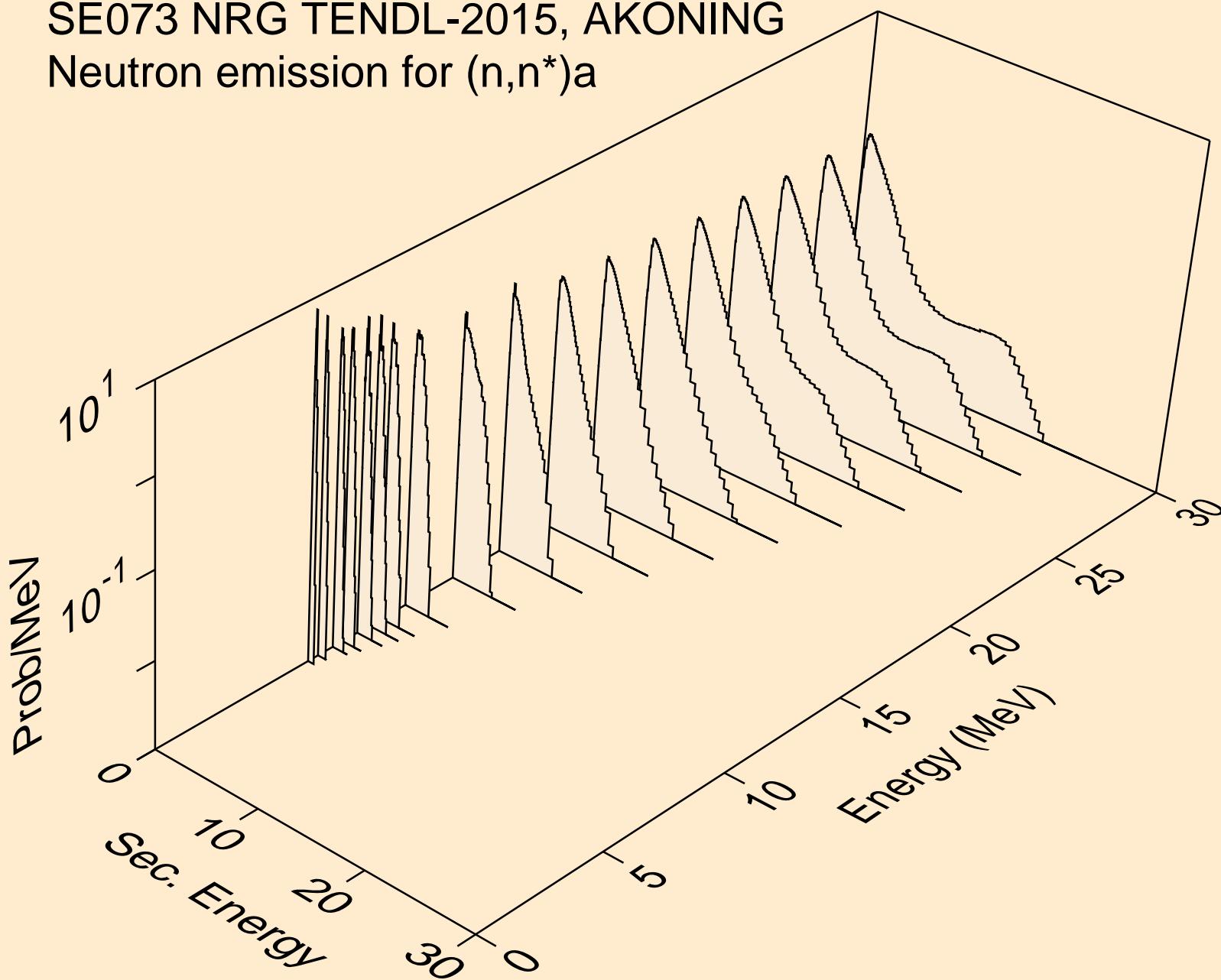
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)



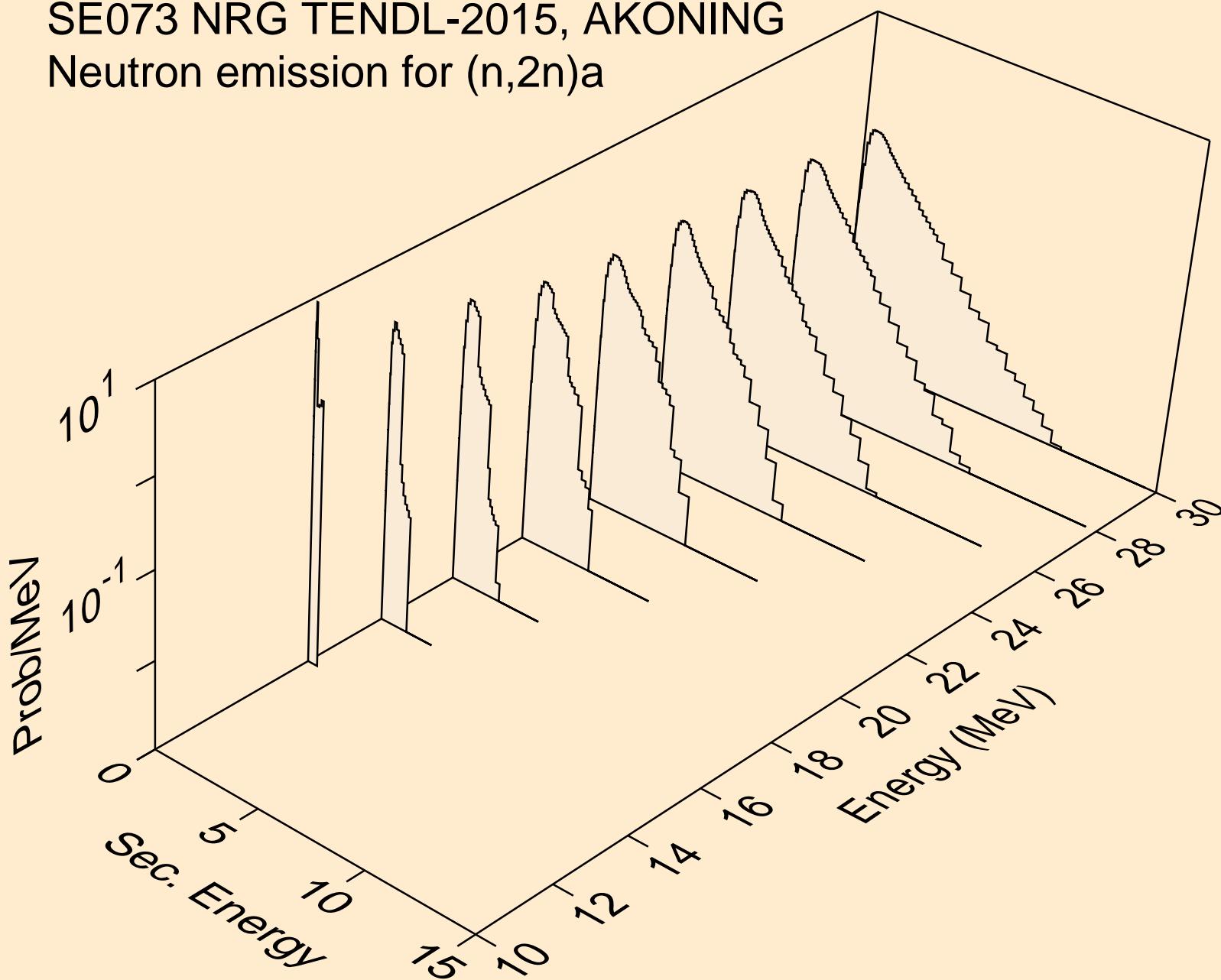
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)



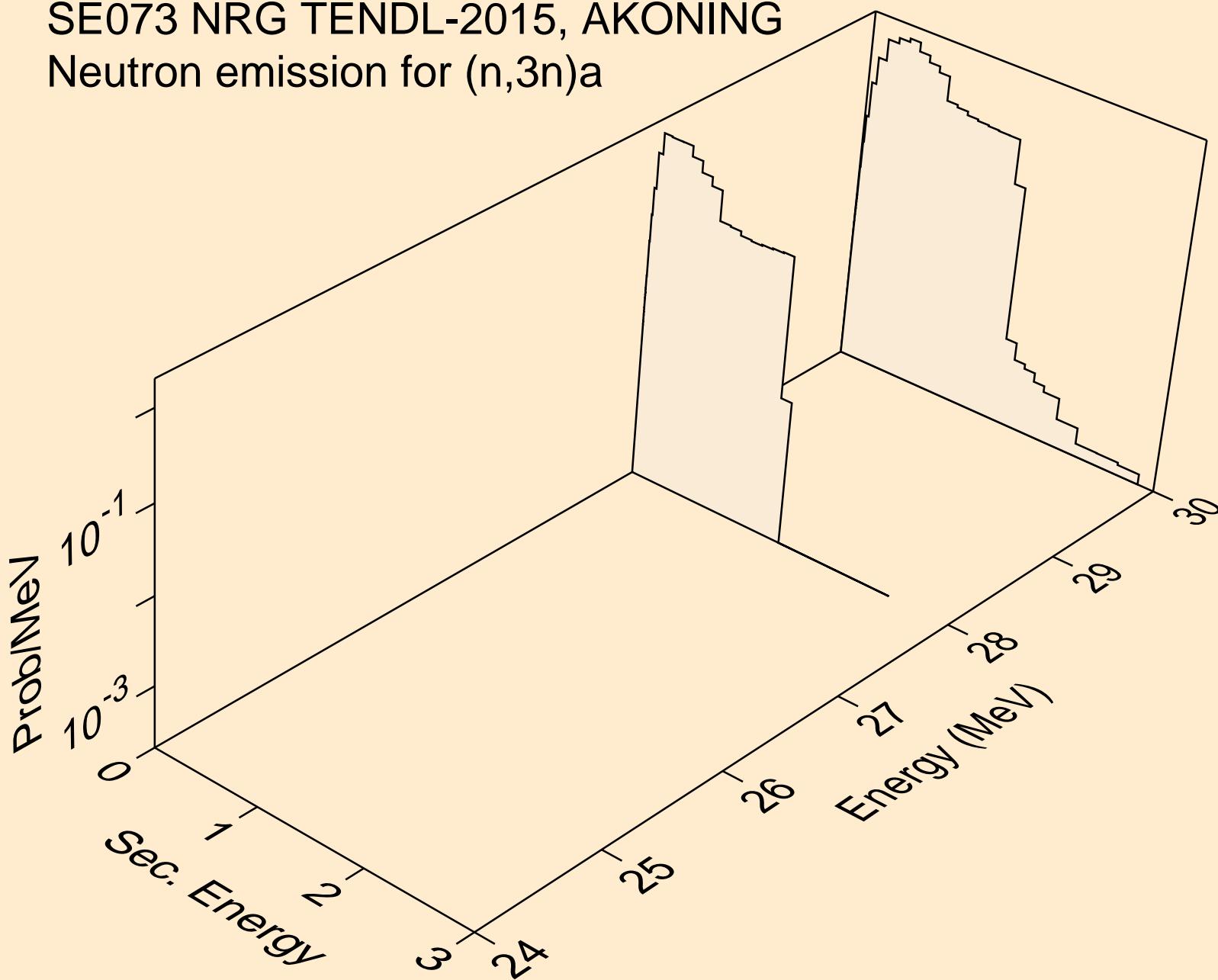
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)a$



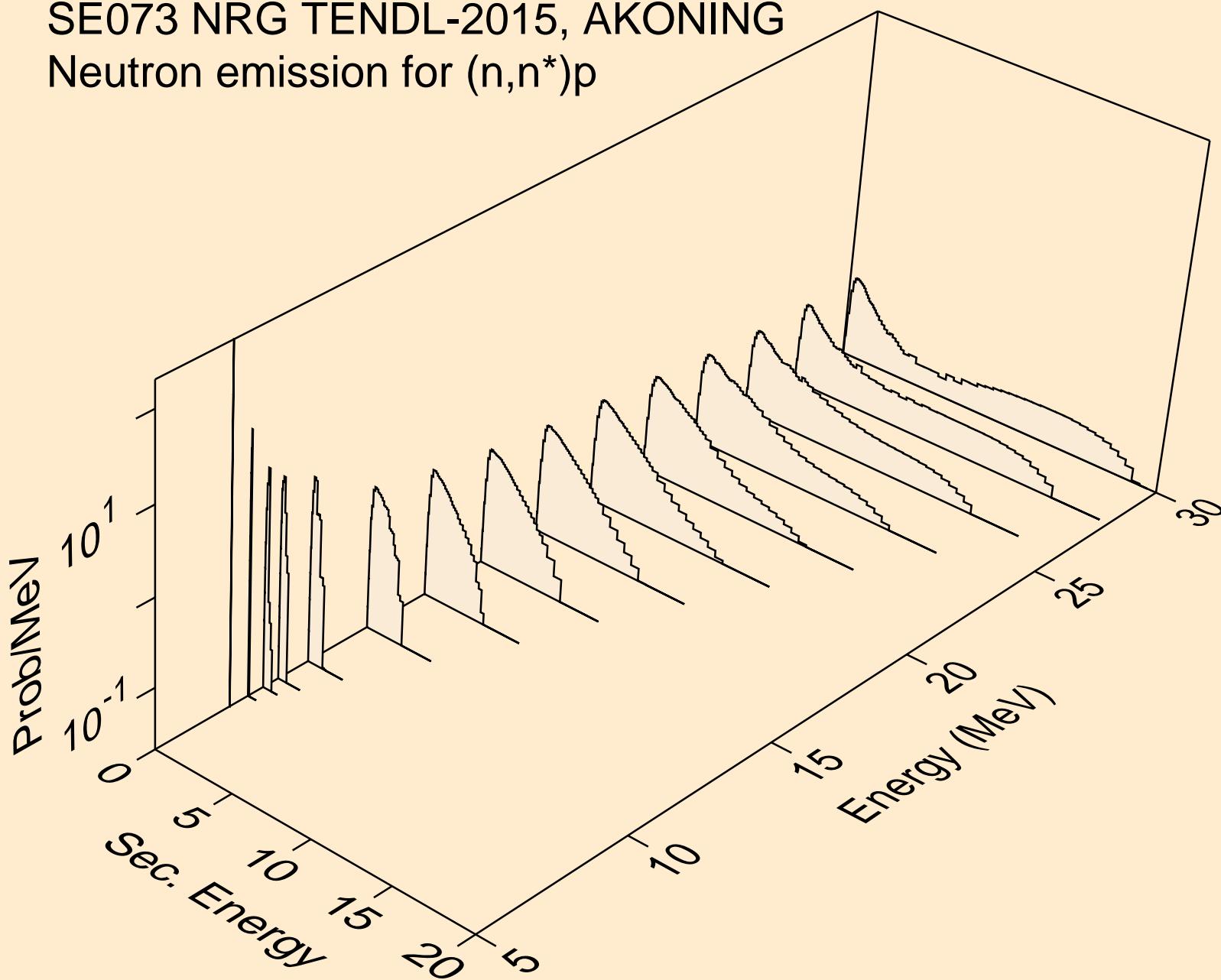
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)a$



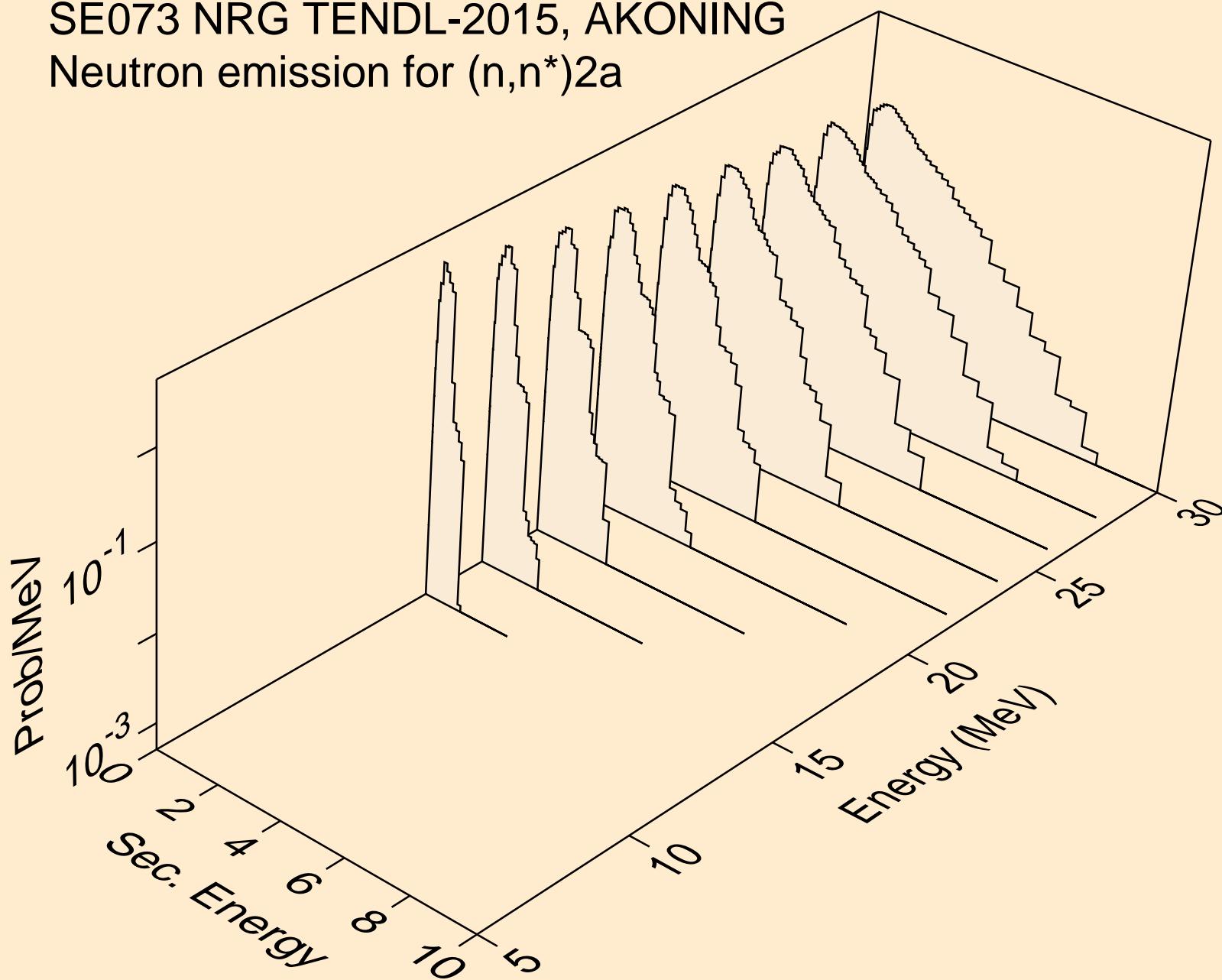
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



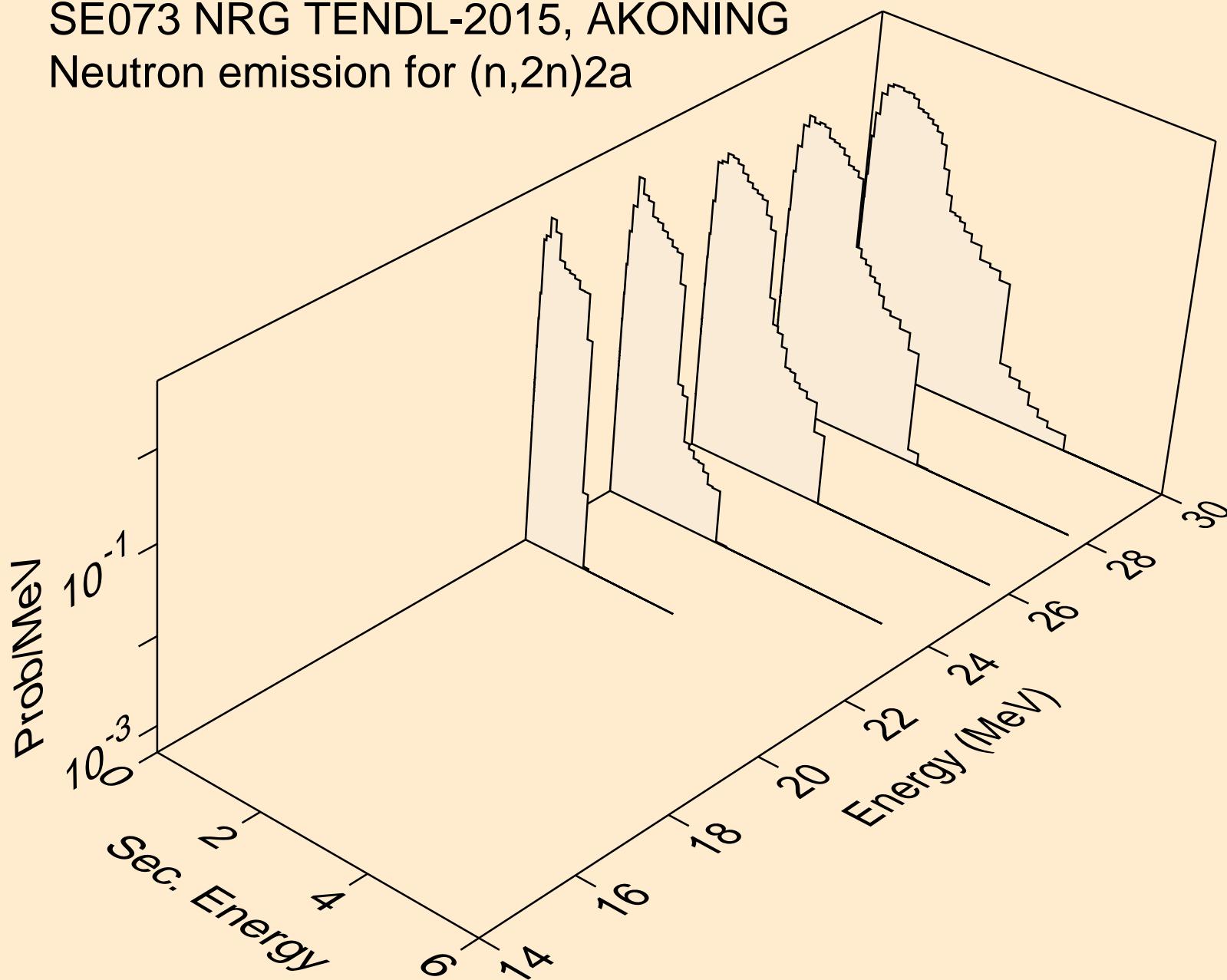
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)p$



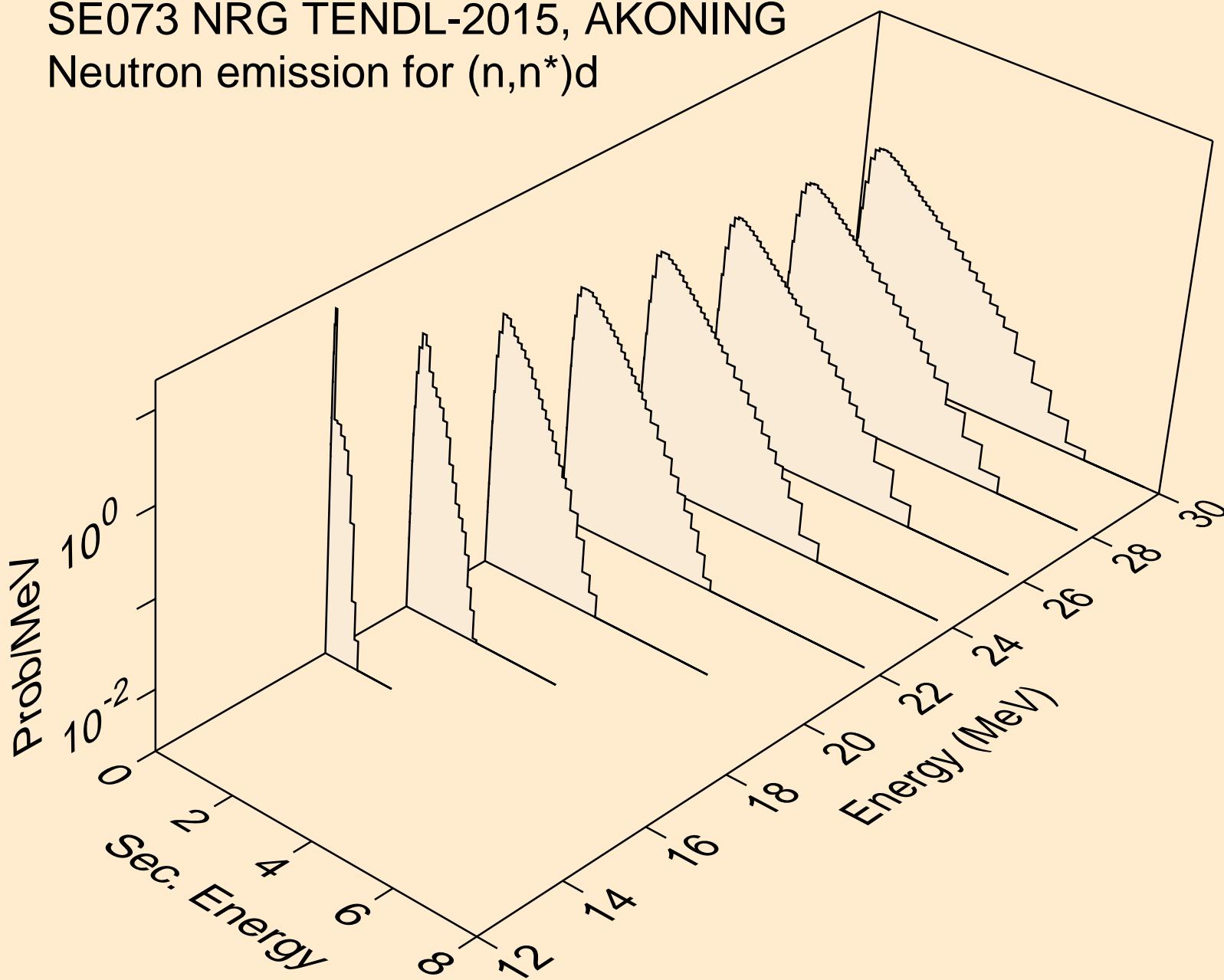
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)2a$



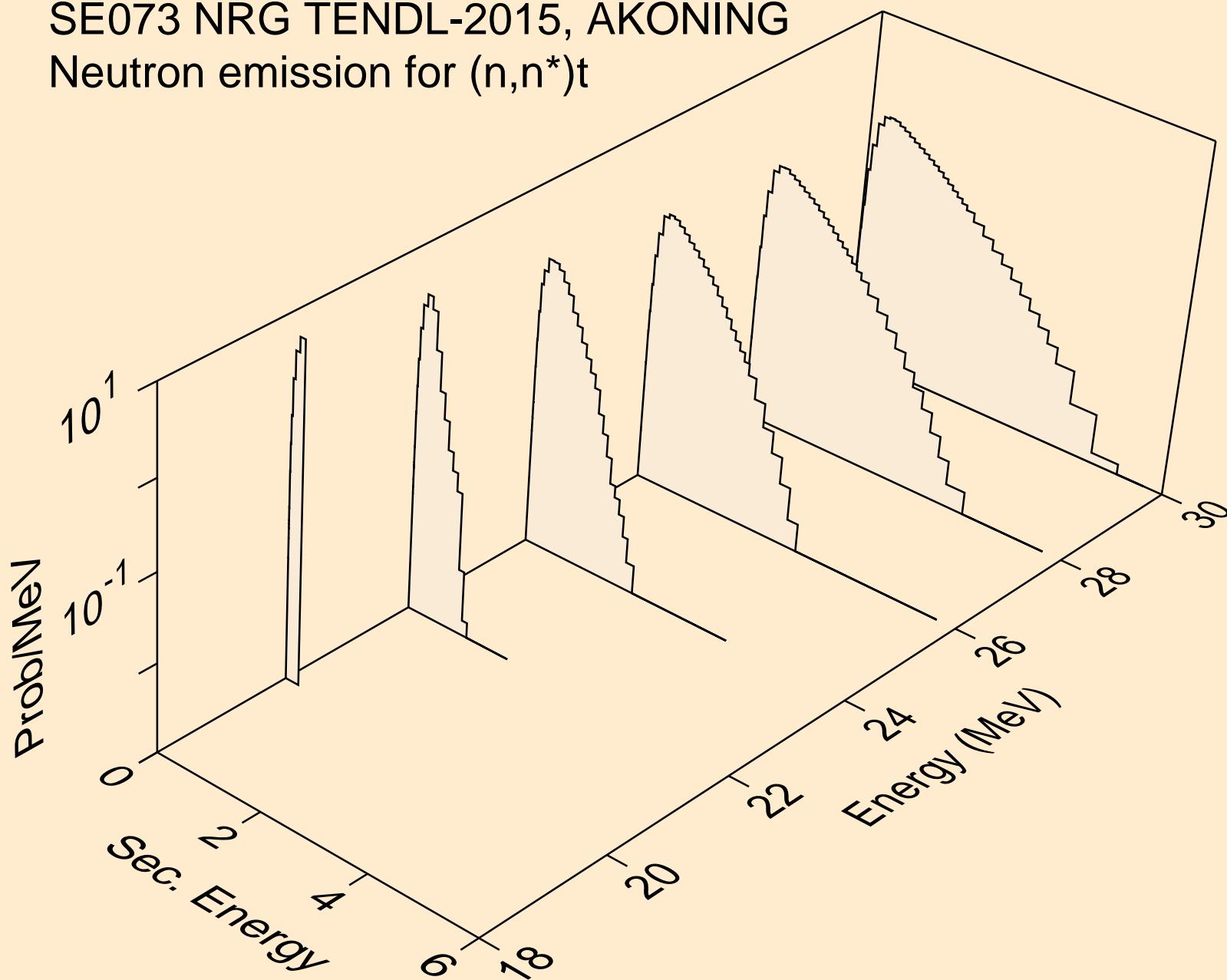
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,2n)2a$



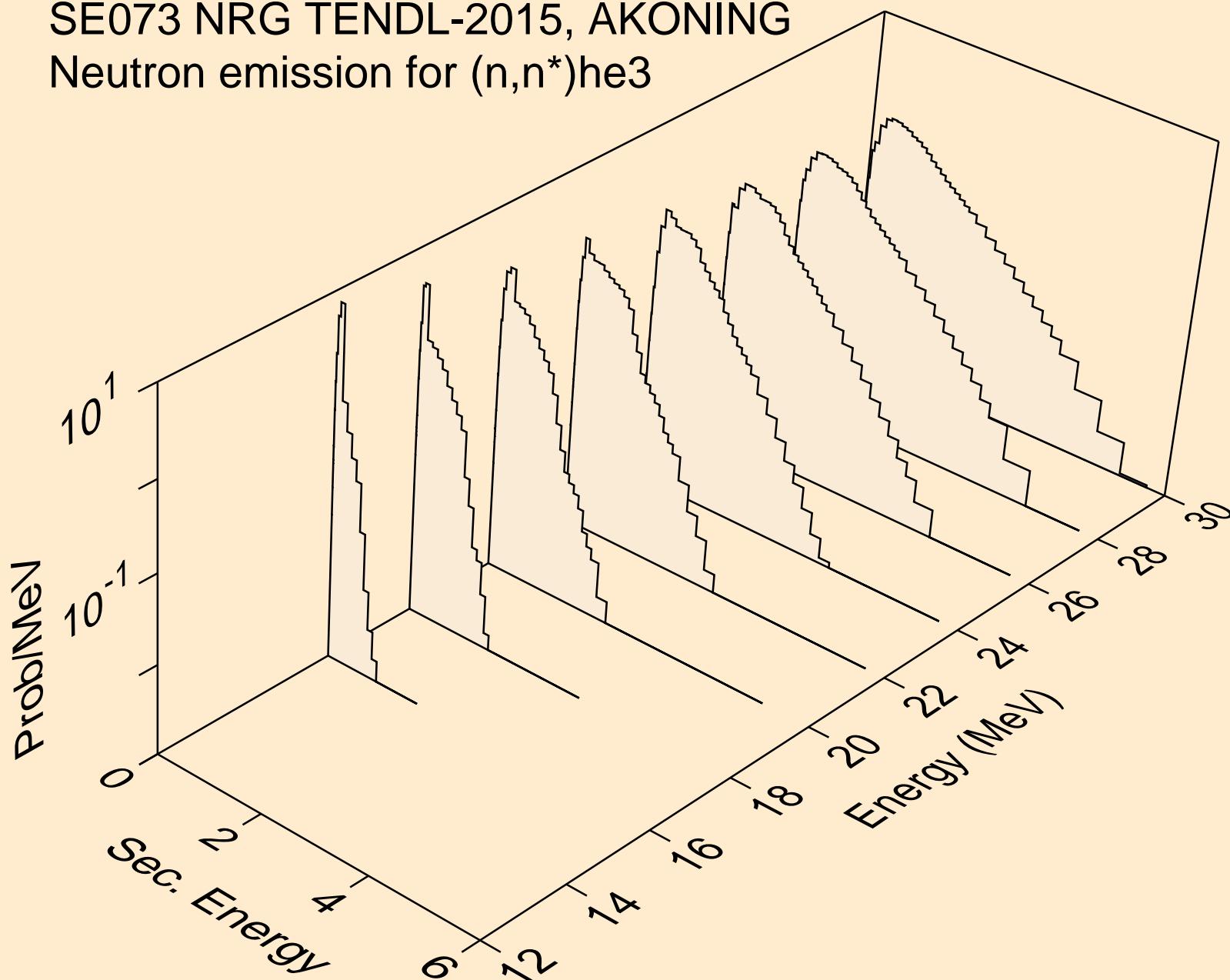
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)d$



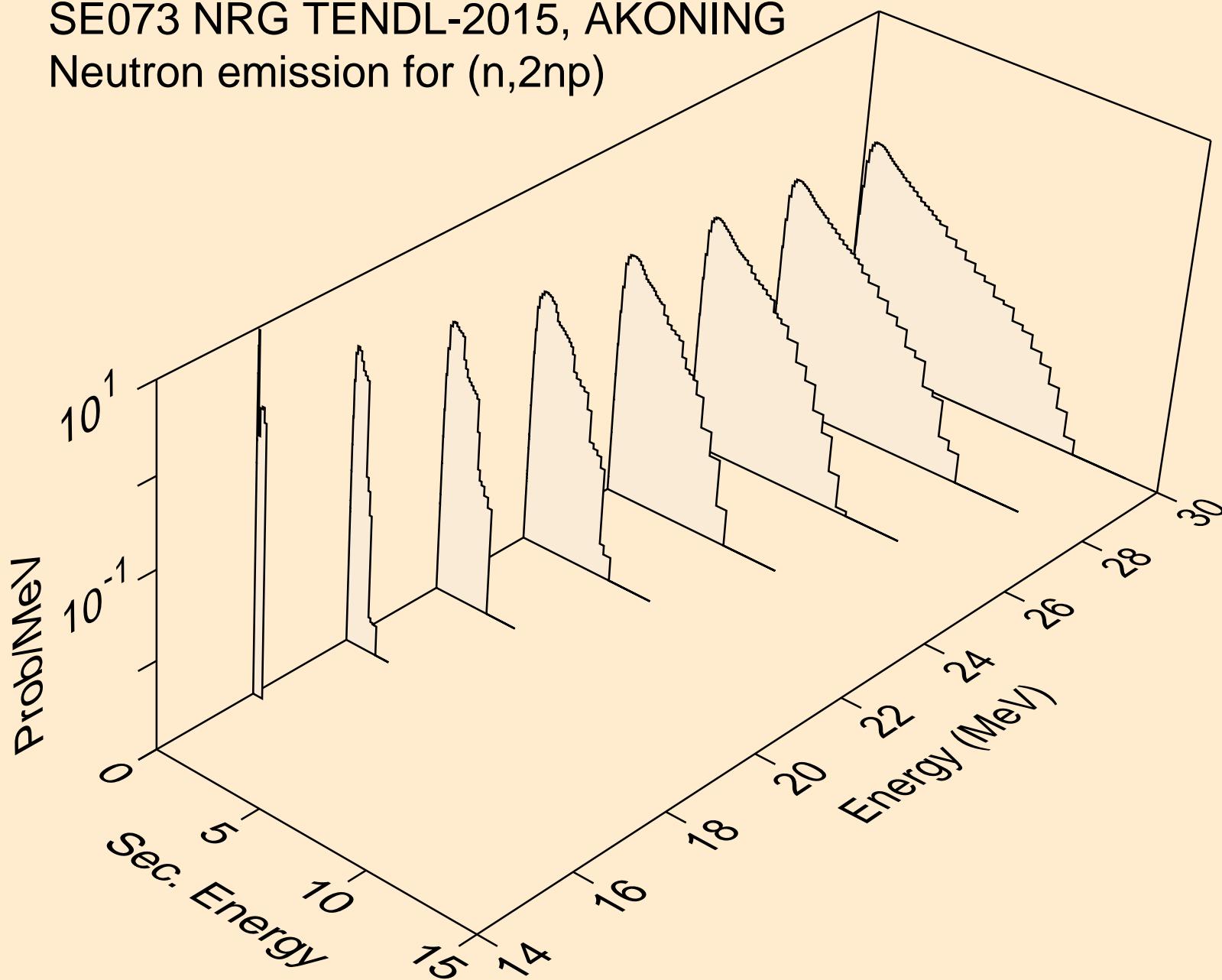
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)t$



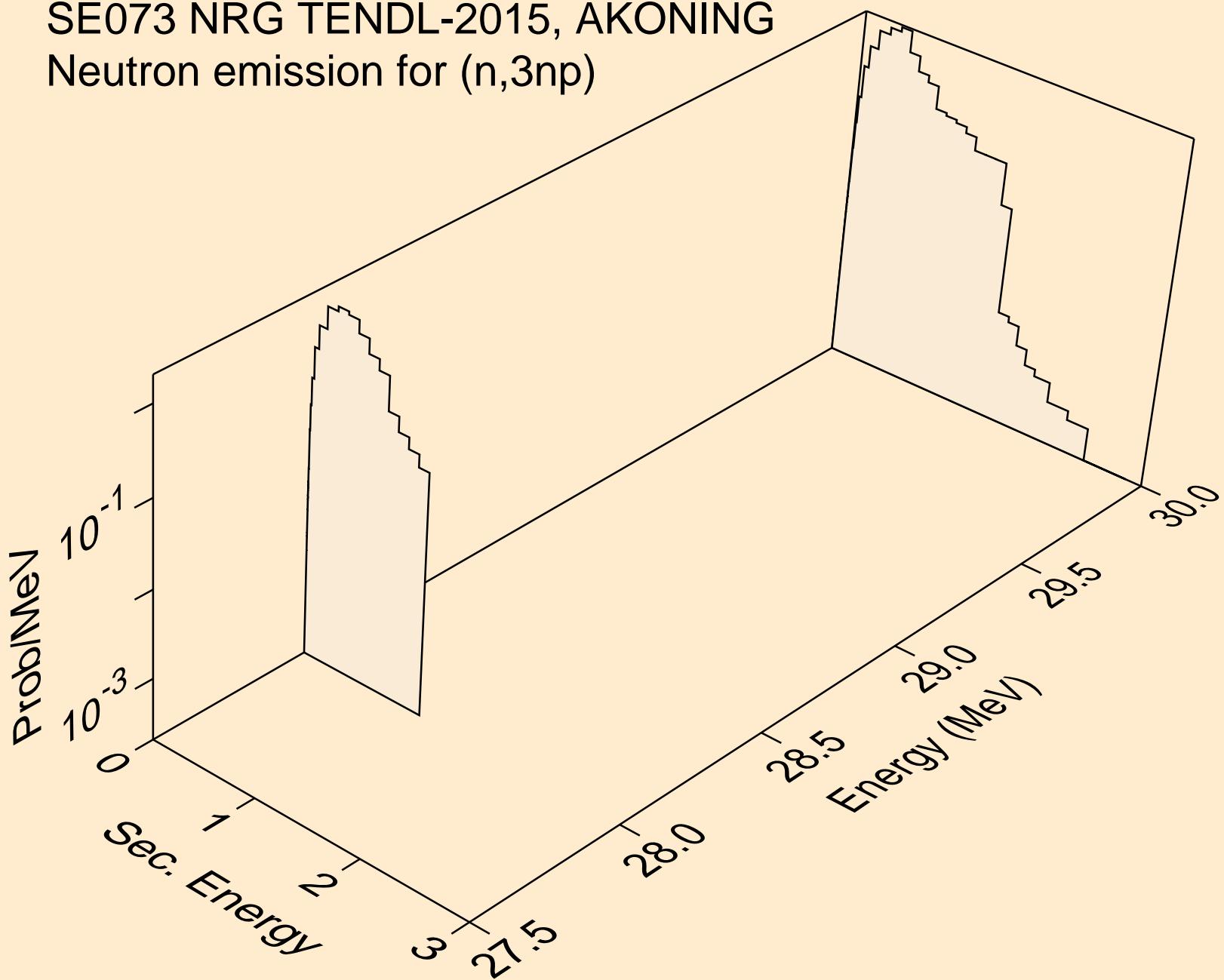
SE073 NRG TENDL-2015, AKONING  
Neutron emission for  $(n,n^*)\text{he3}$



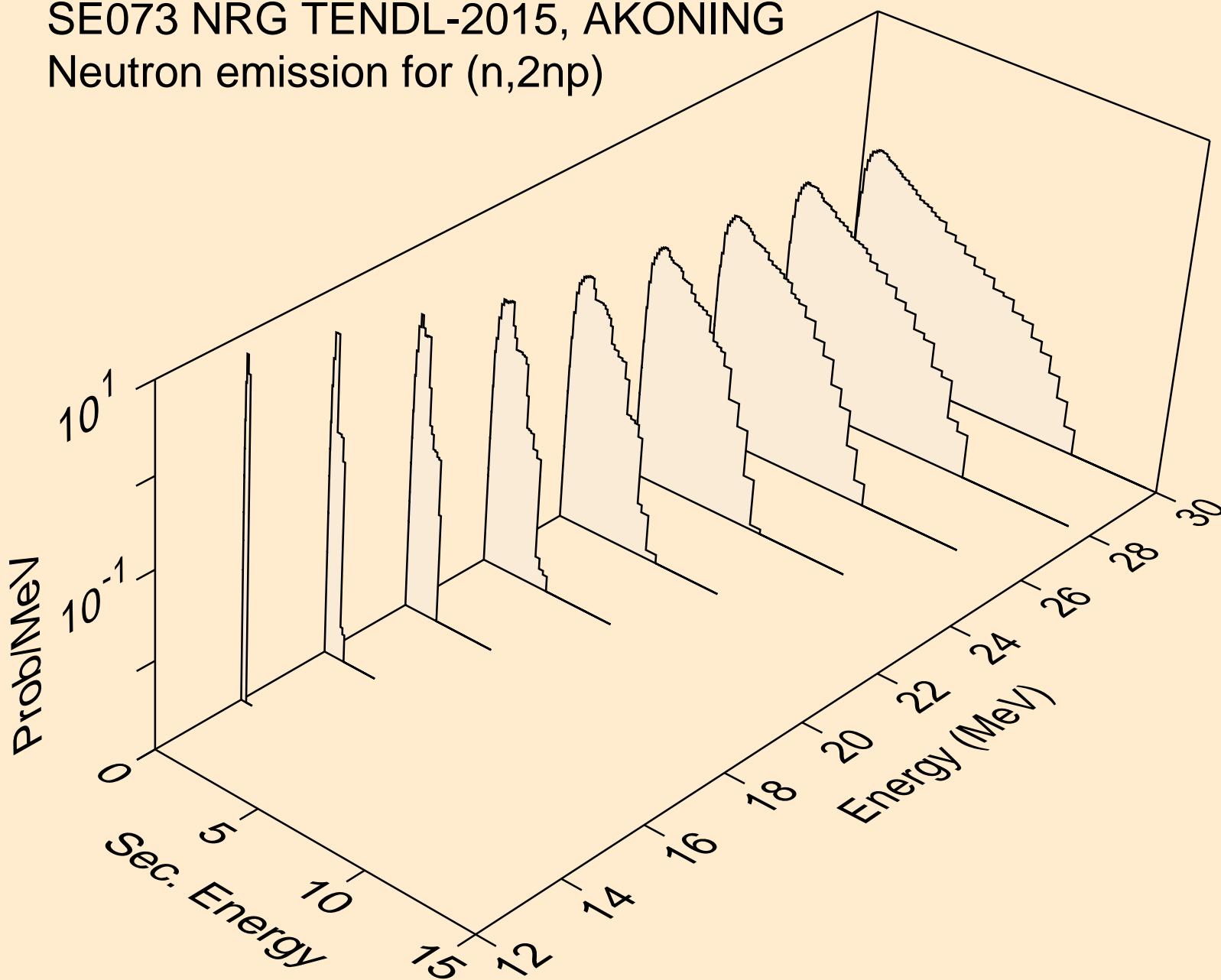
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



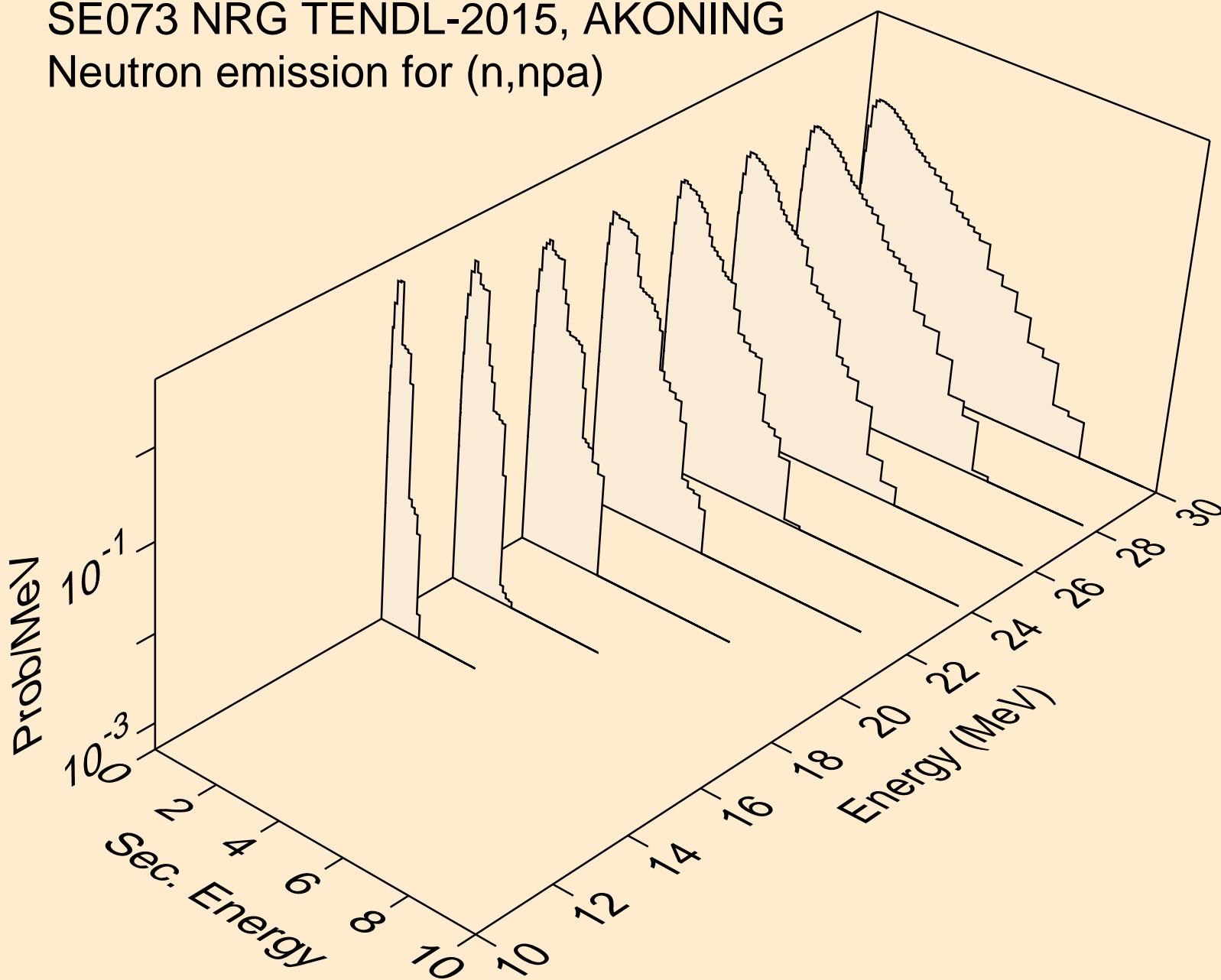
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



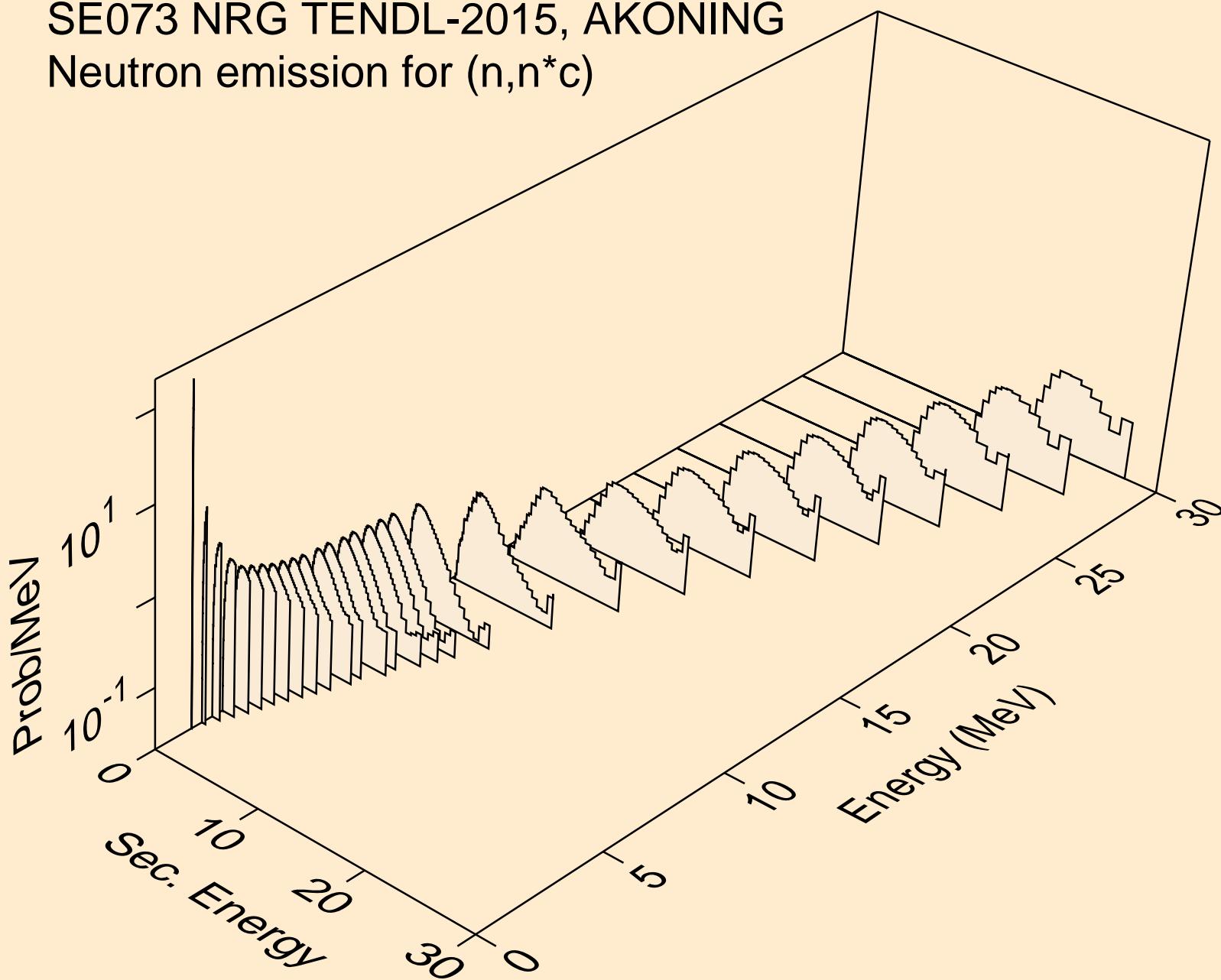
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



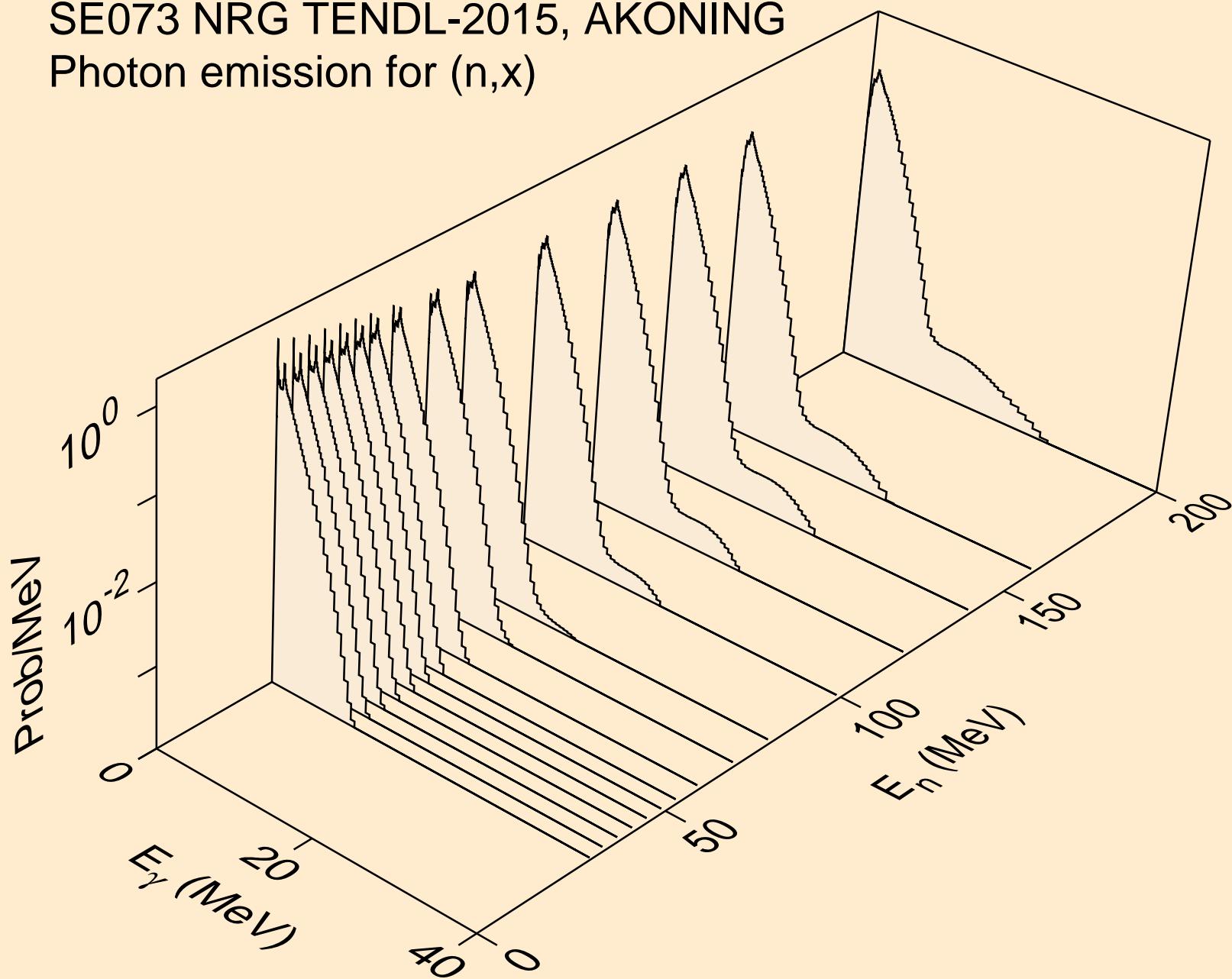
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)



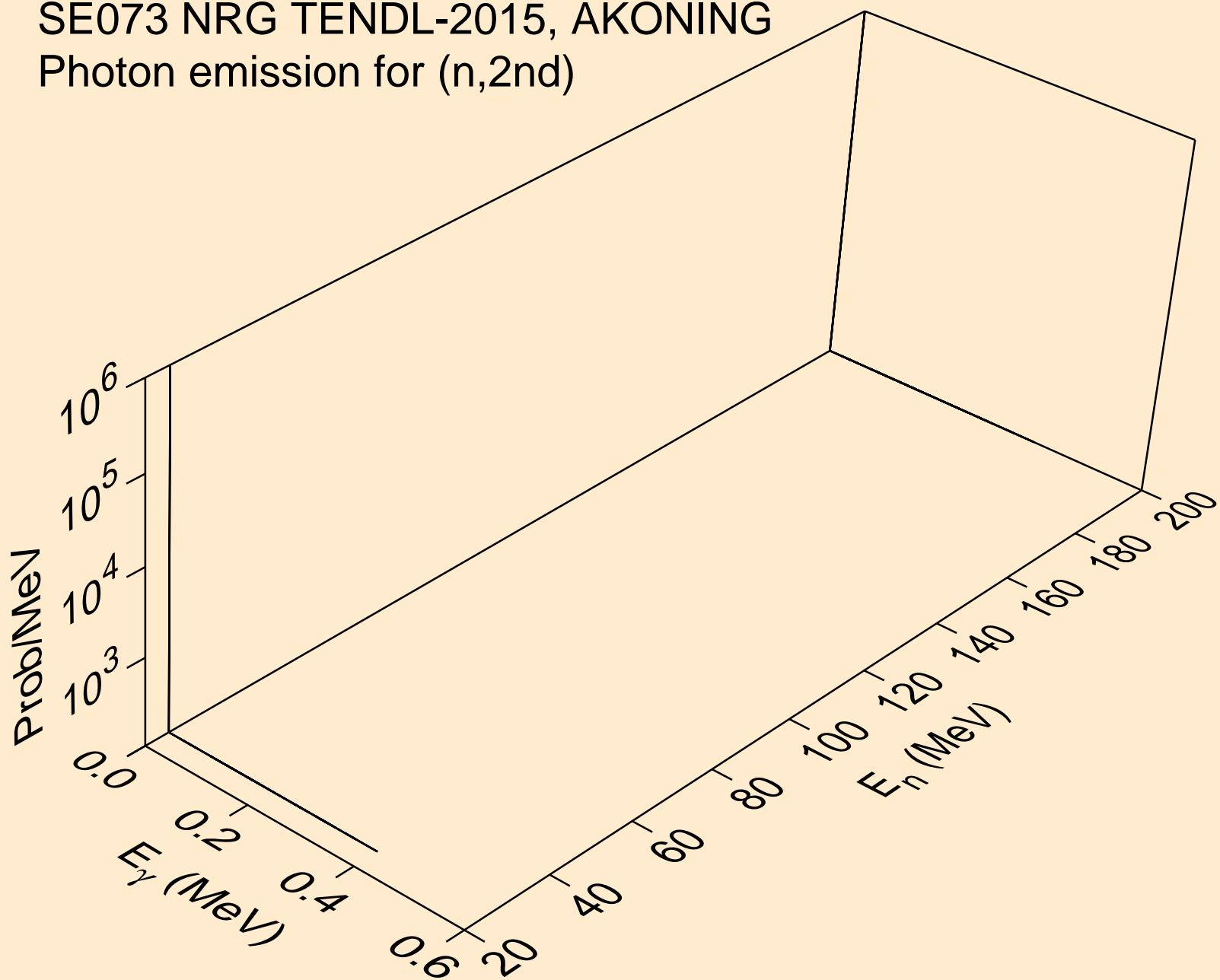
SE073 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)



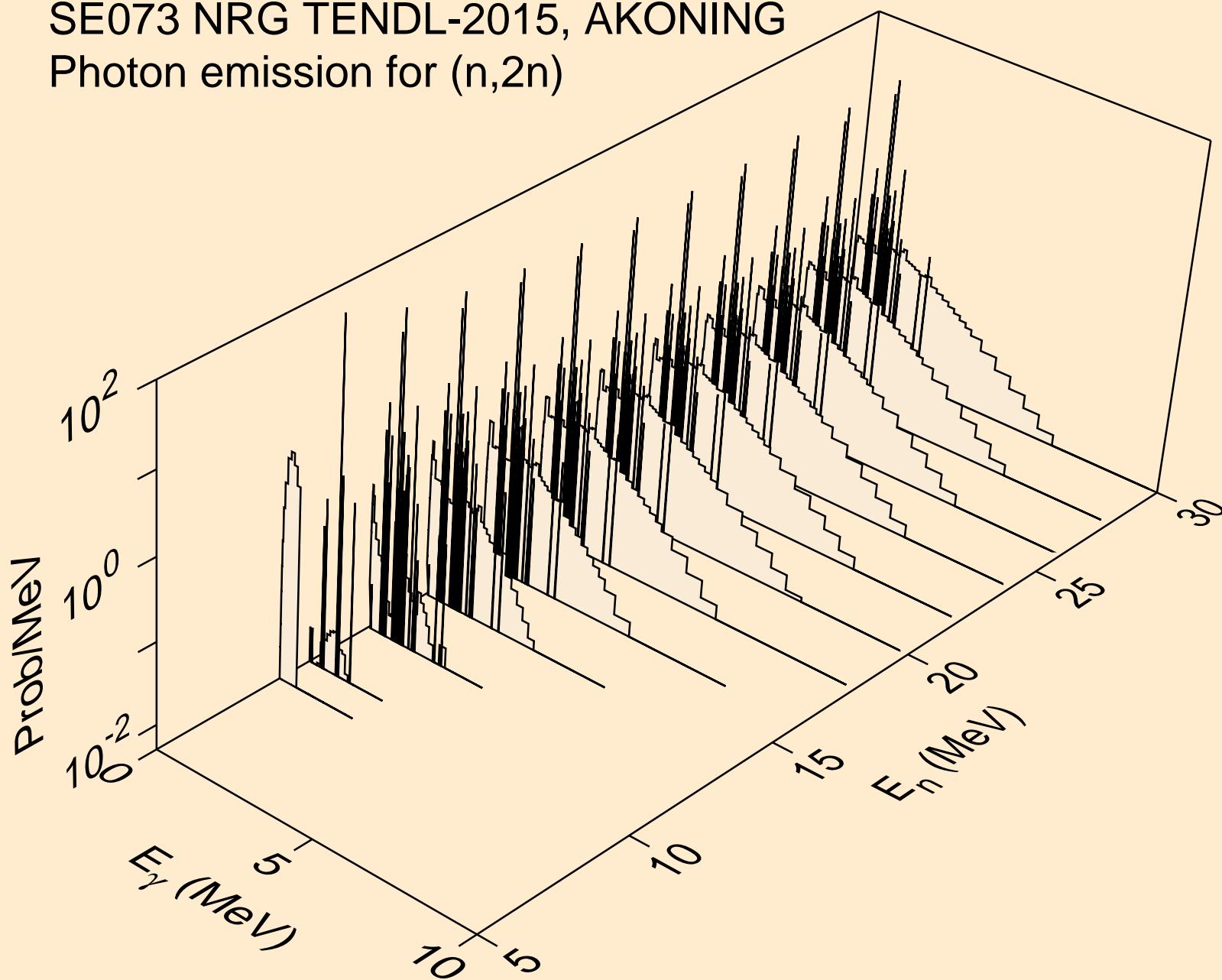
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



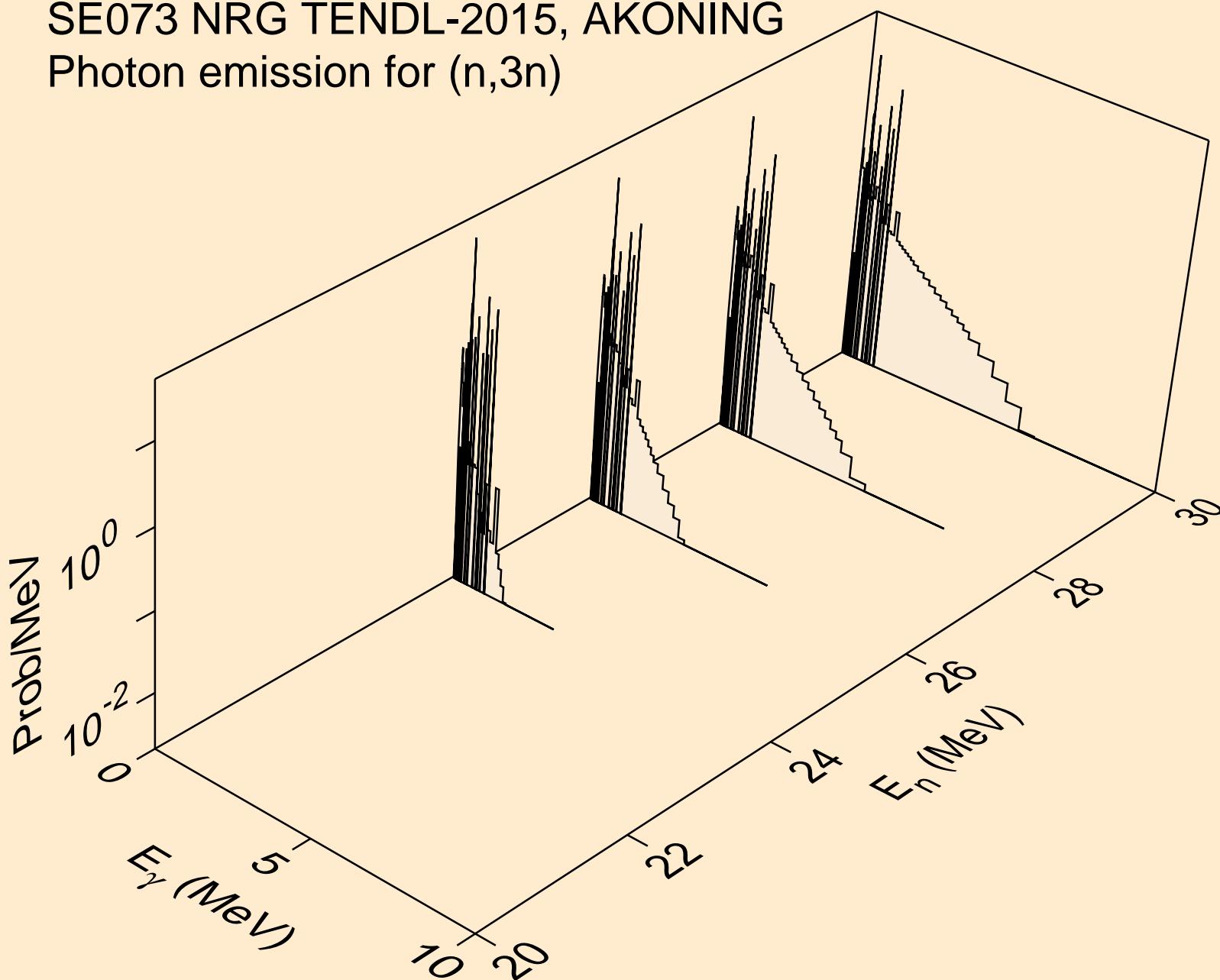
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



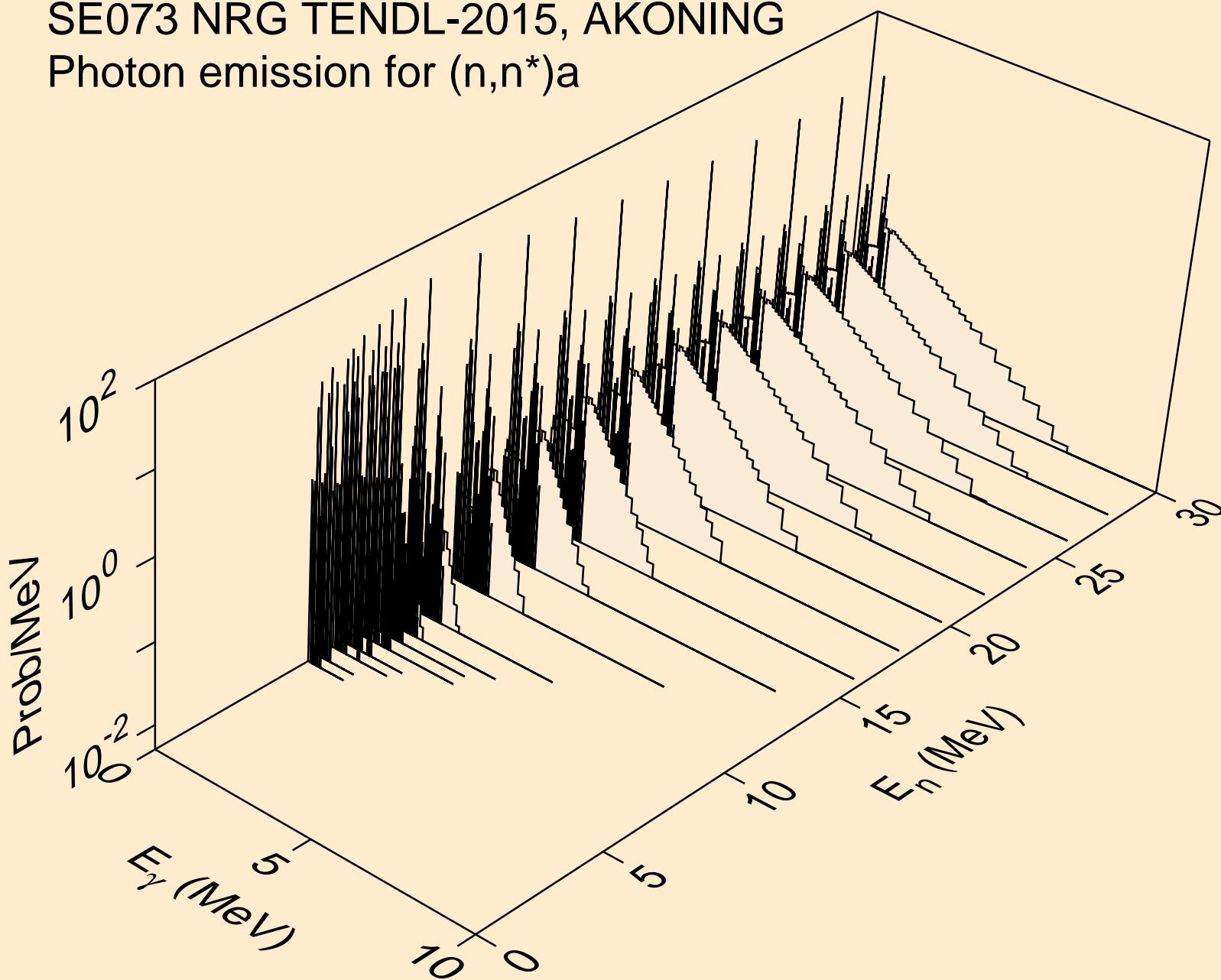
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



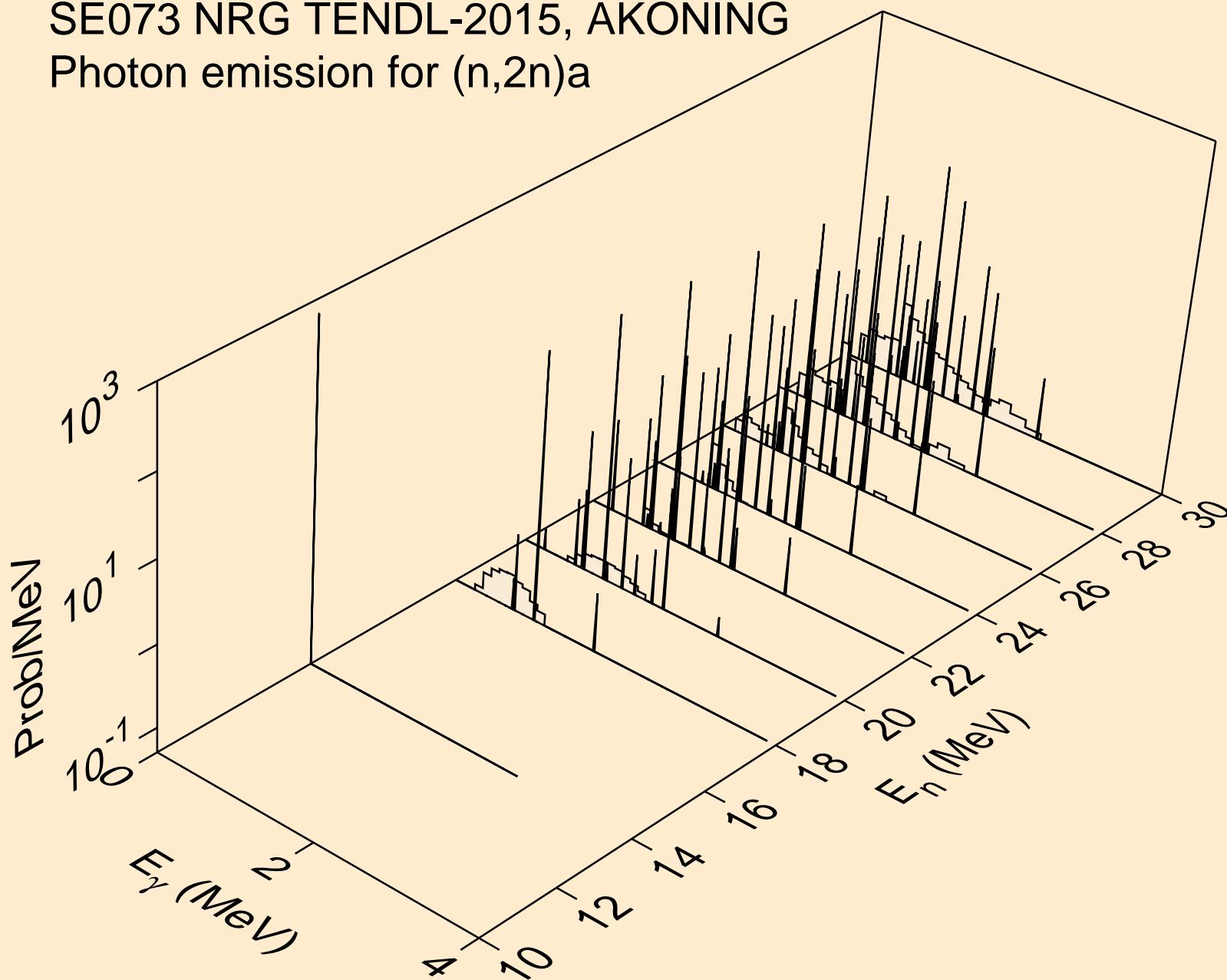
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



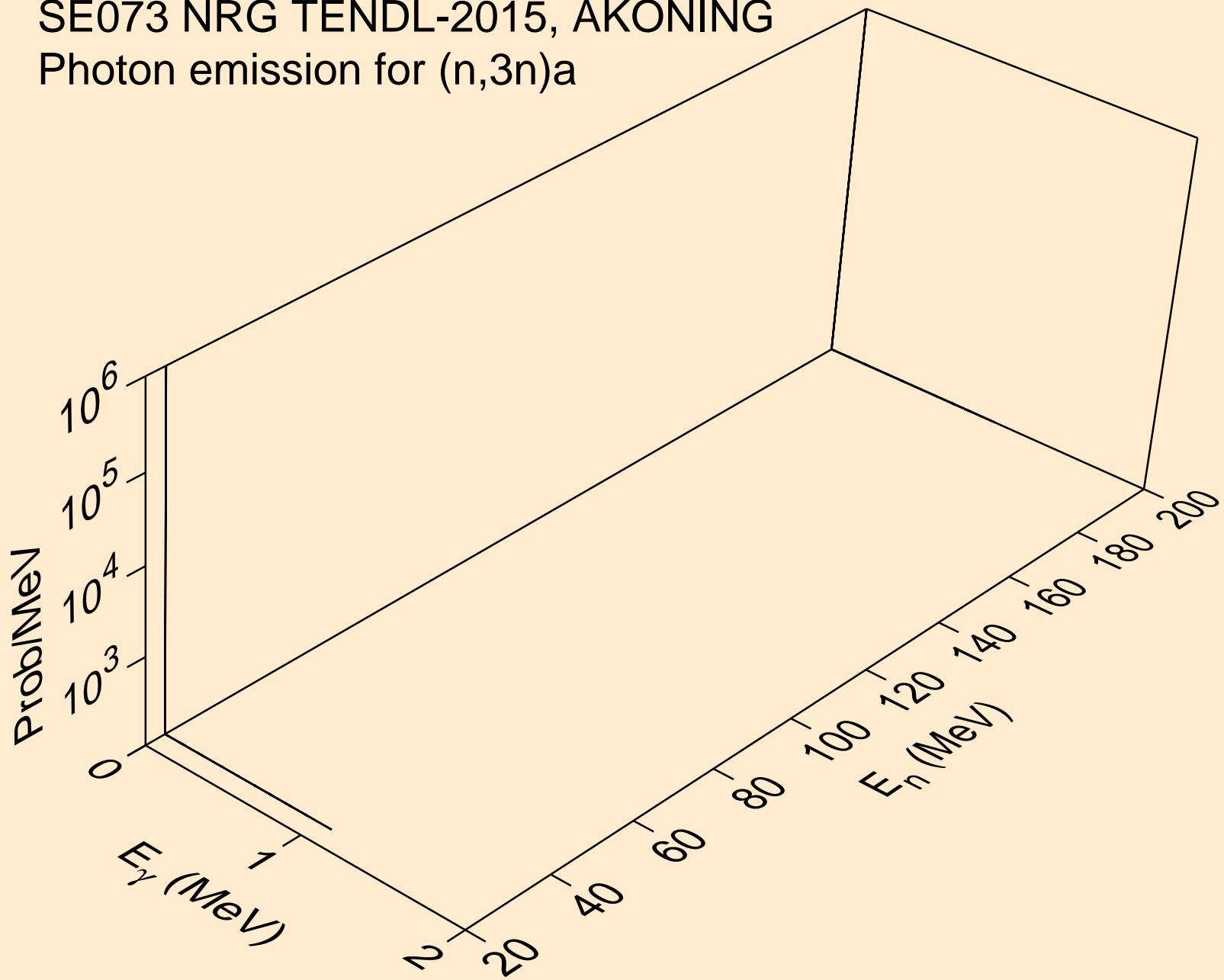
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)a$



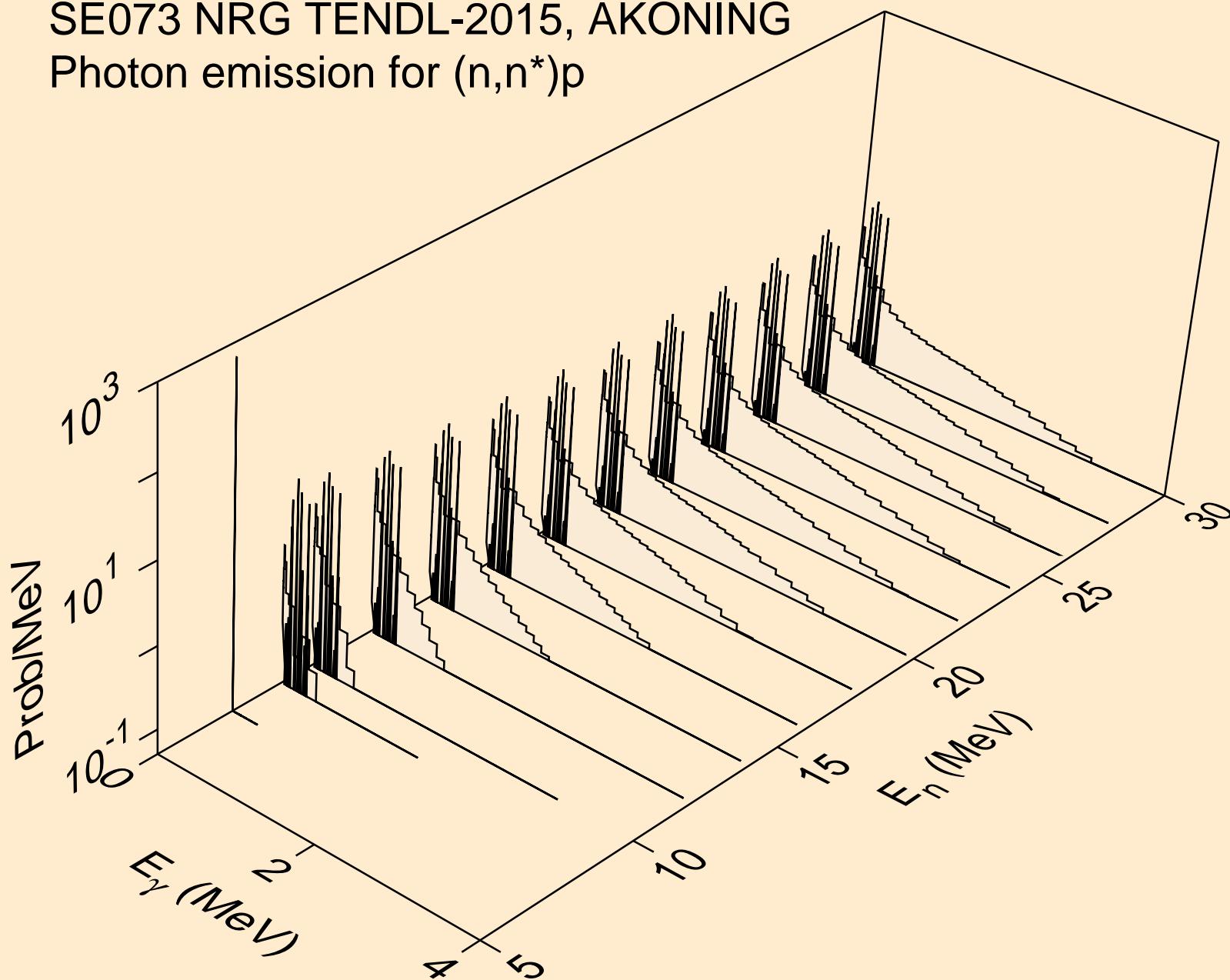
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a



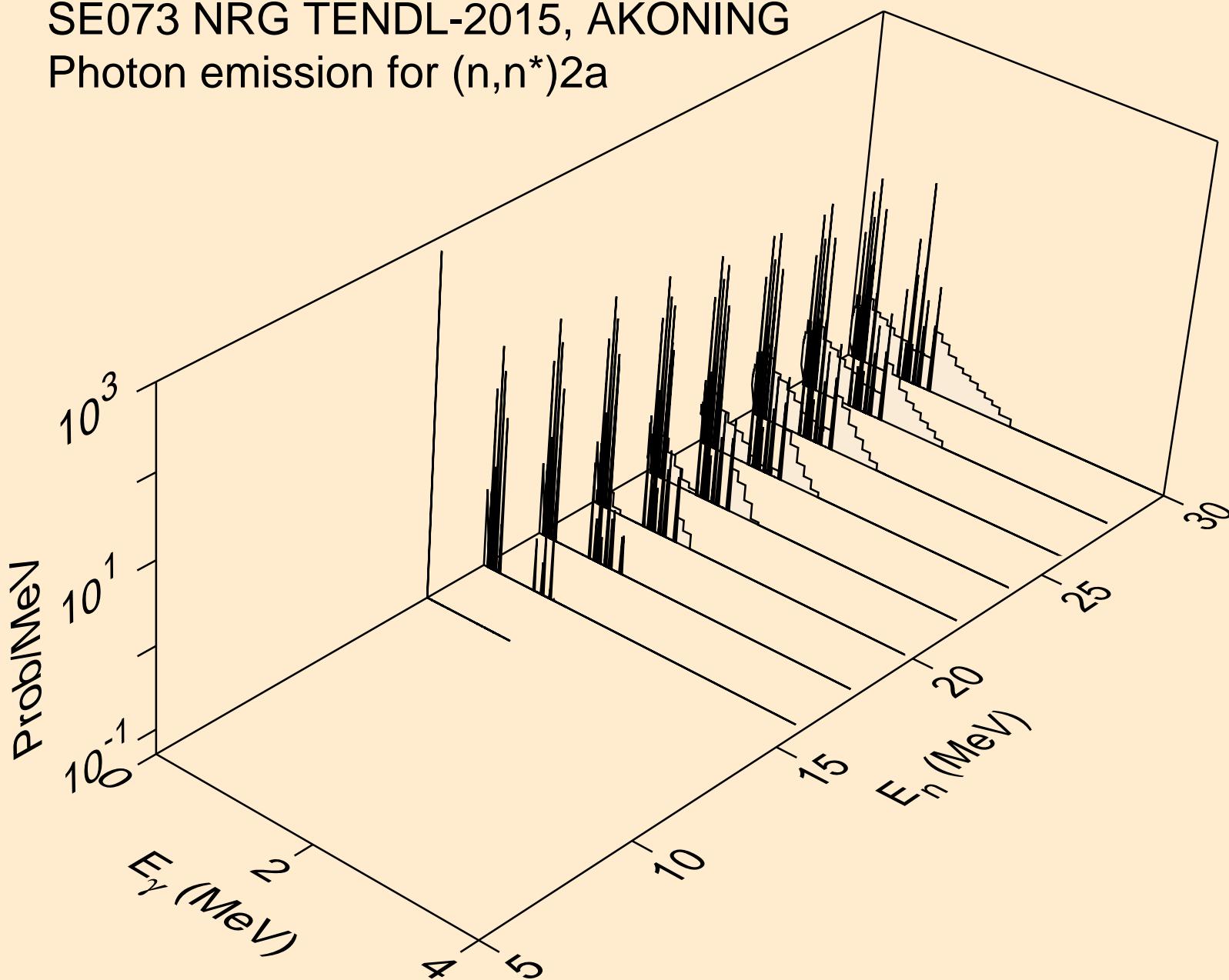
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a



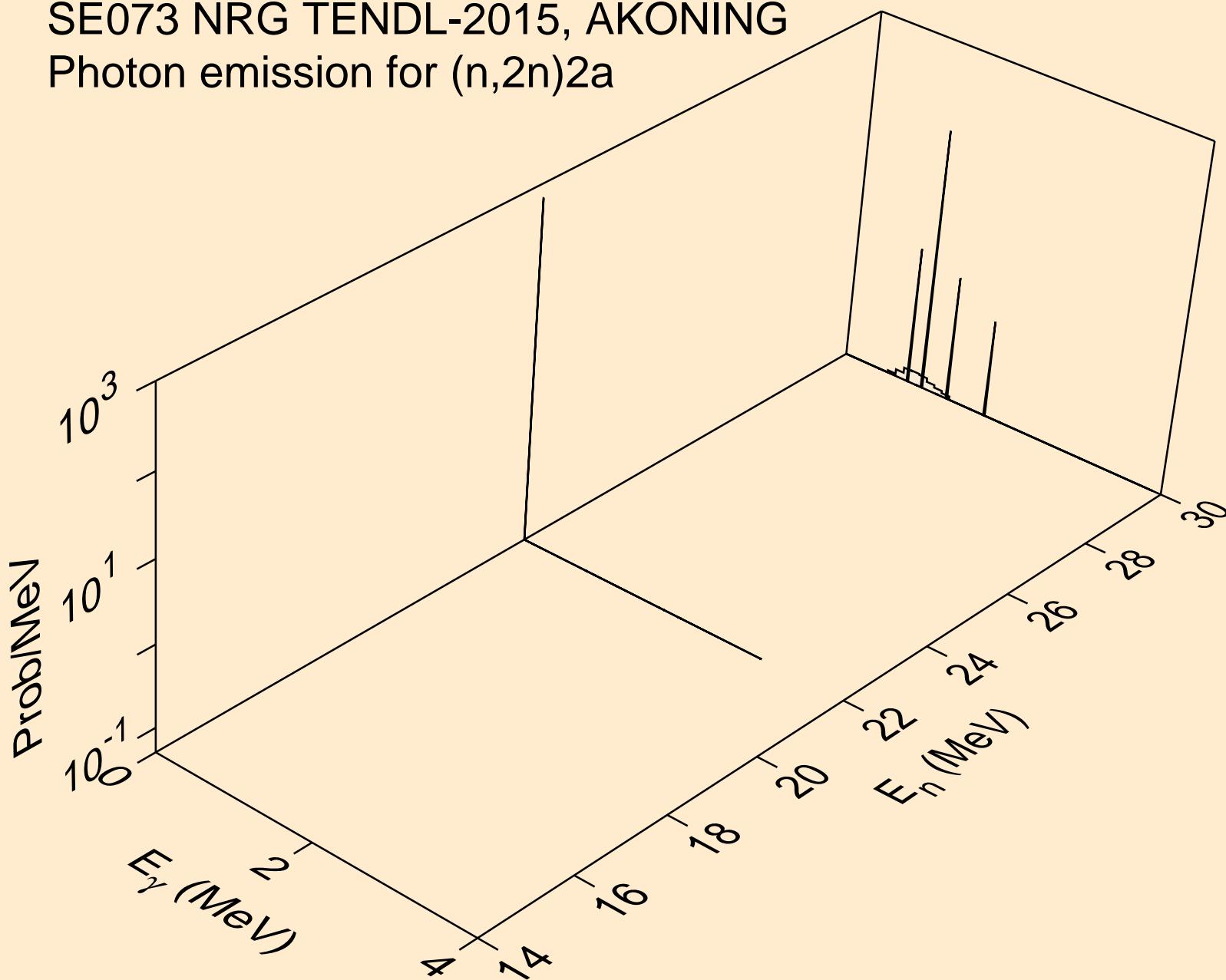
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)p$



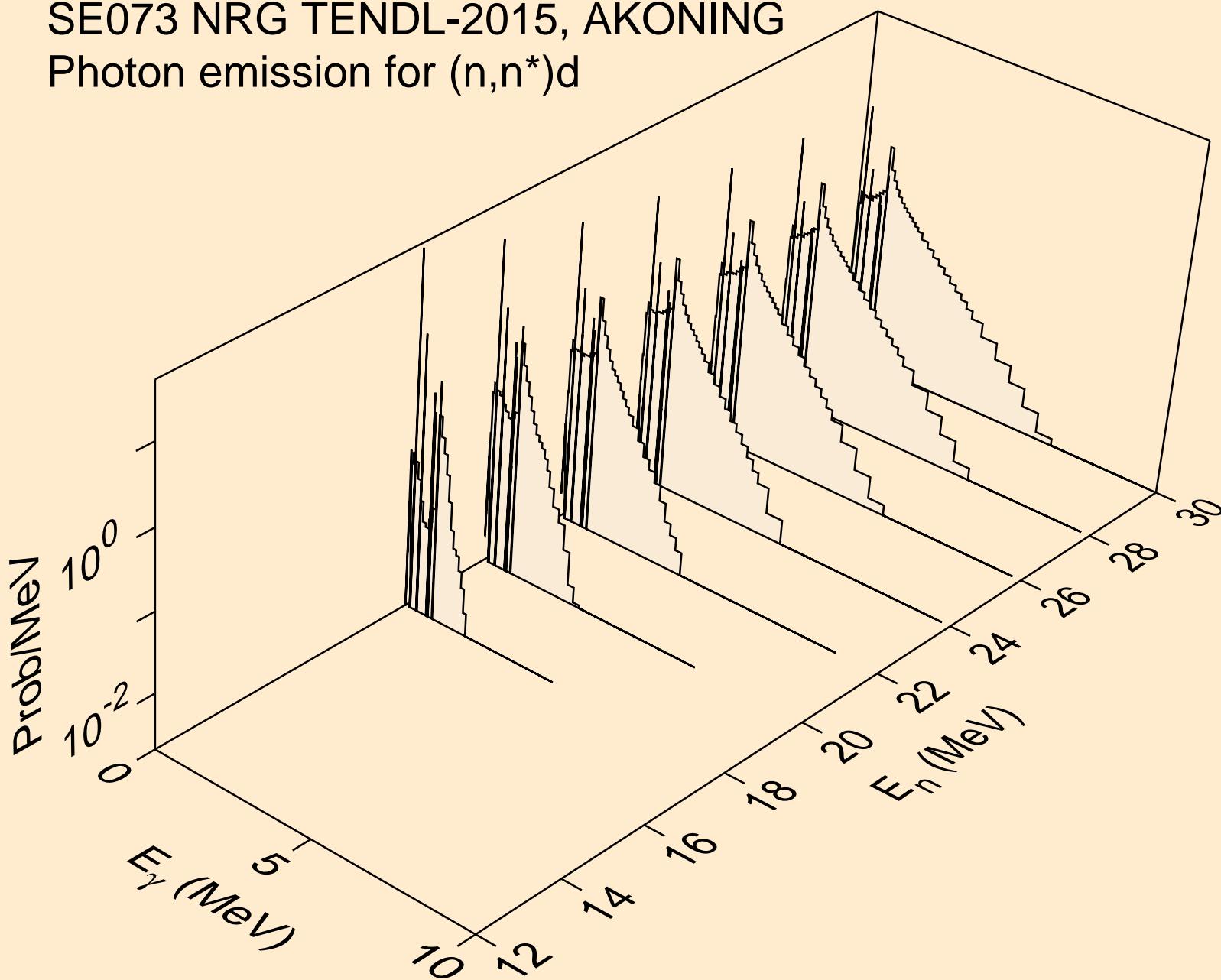
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)2a$



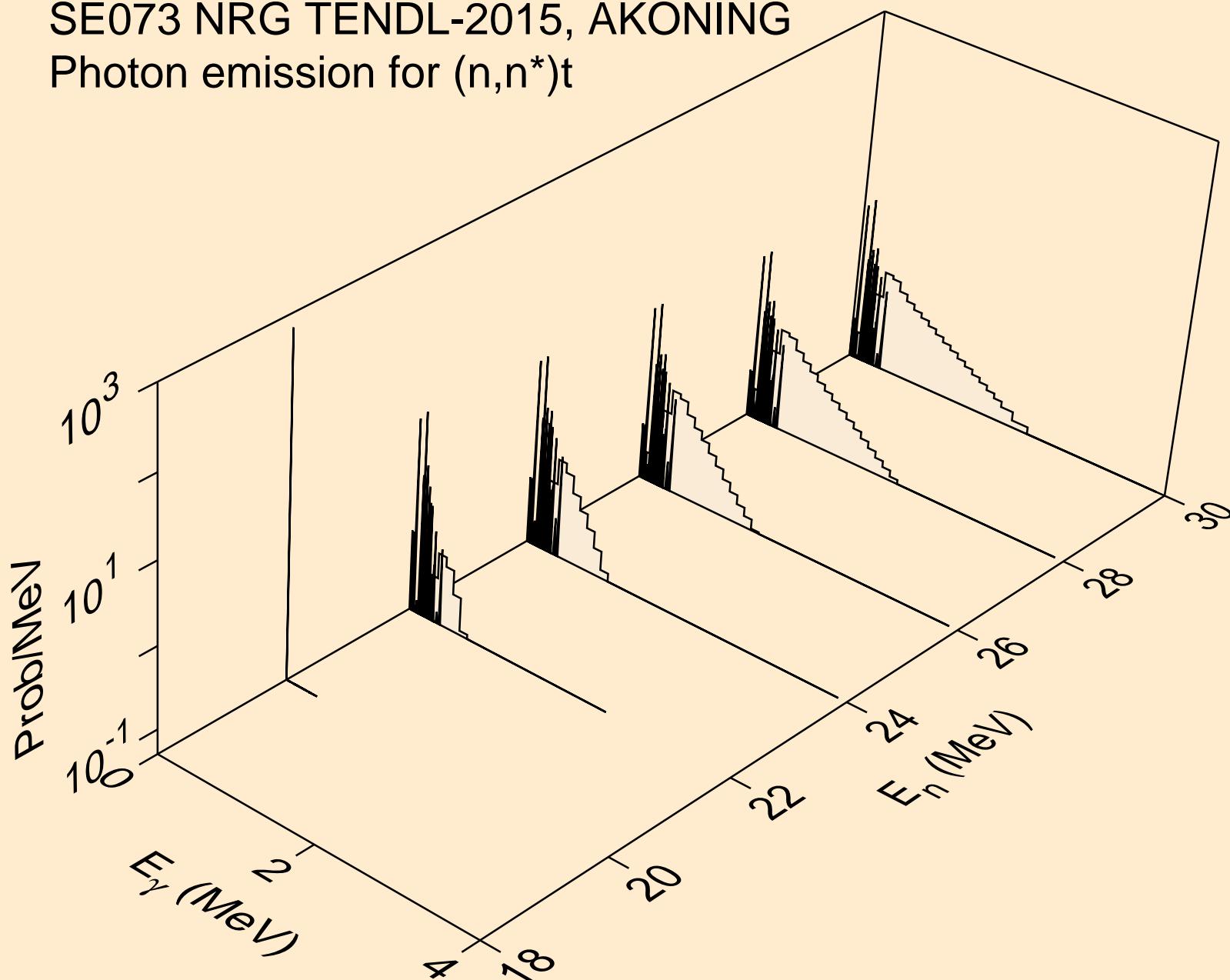
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



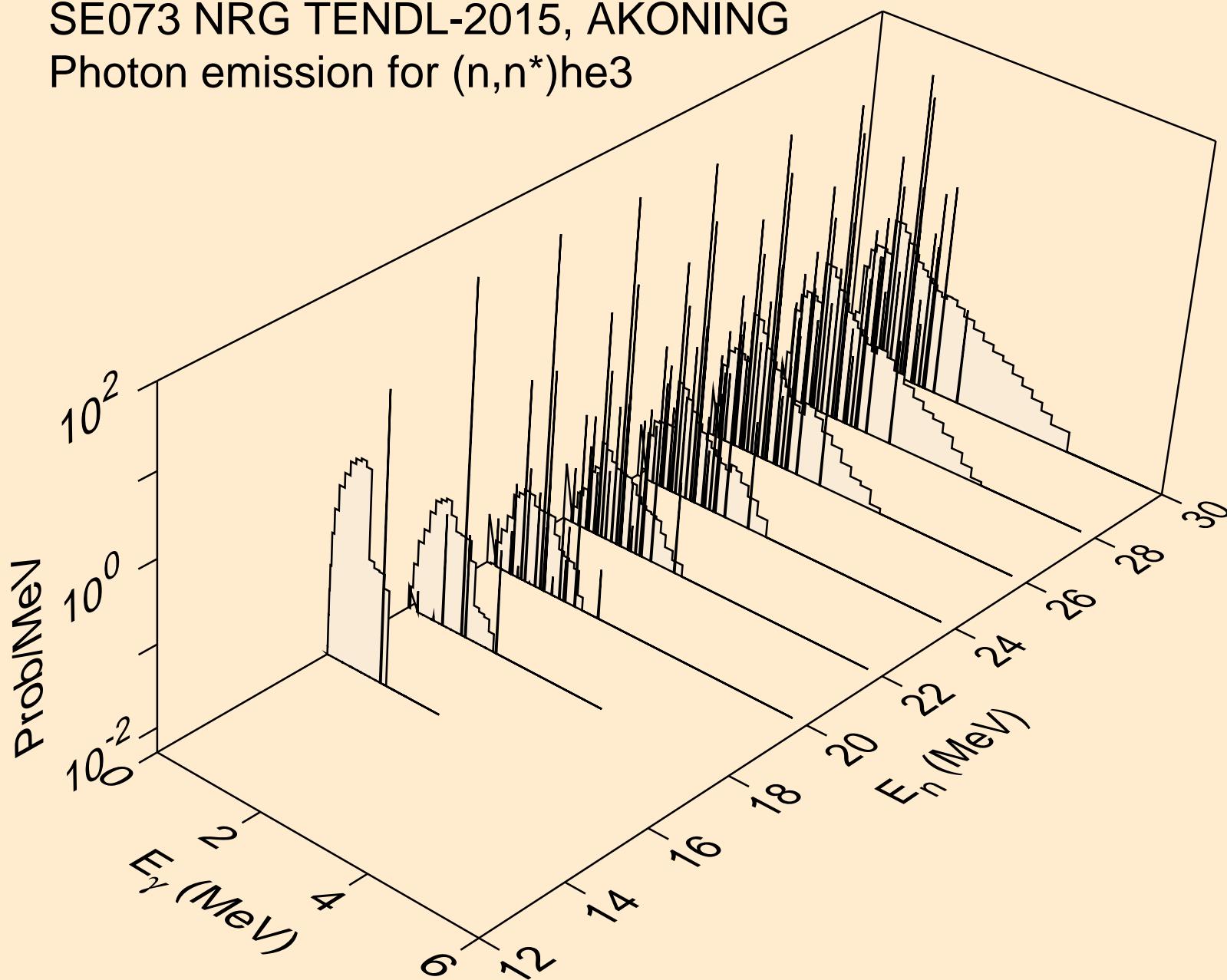
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)d$



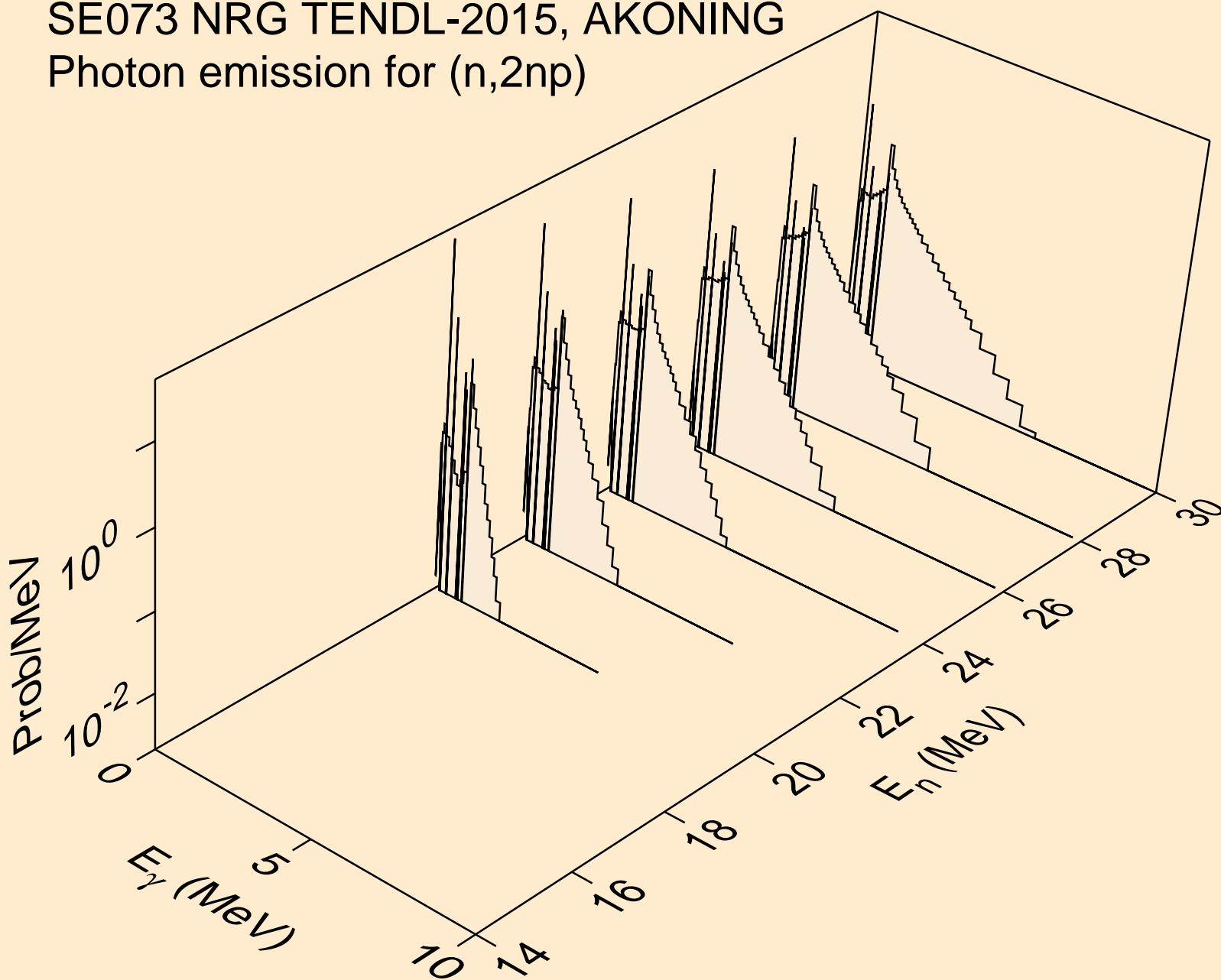
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)t$



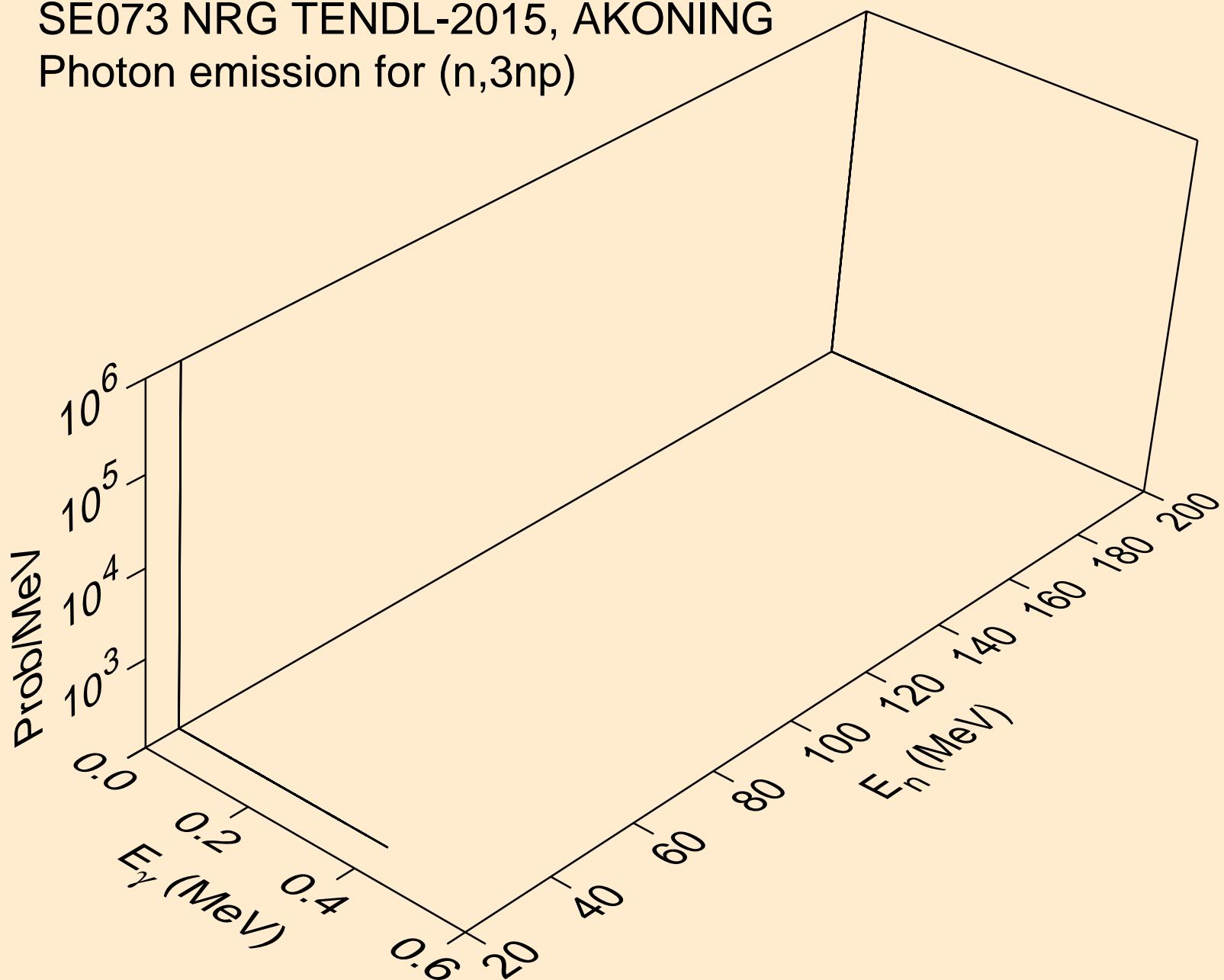
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n,n^*)\text{he3}$



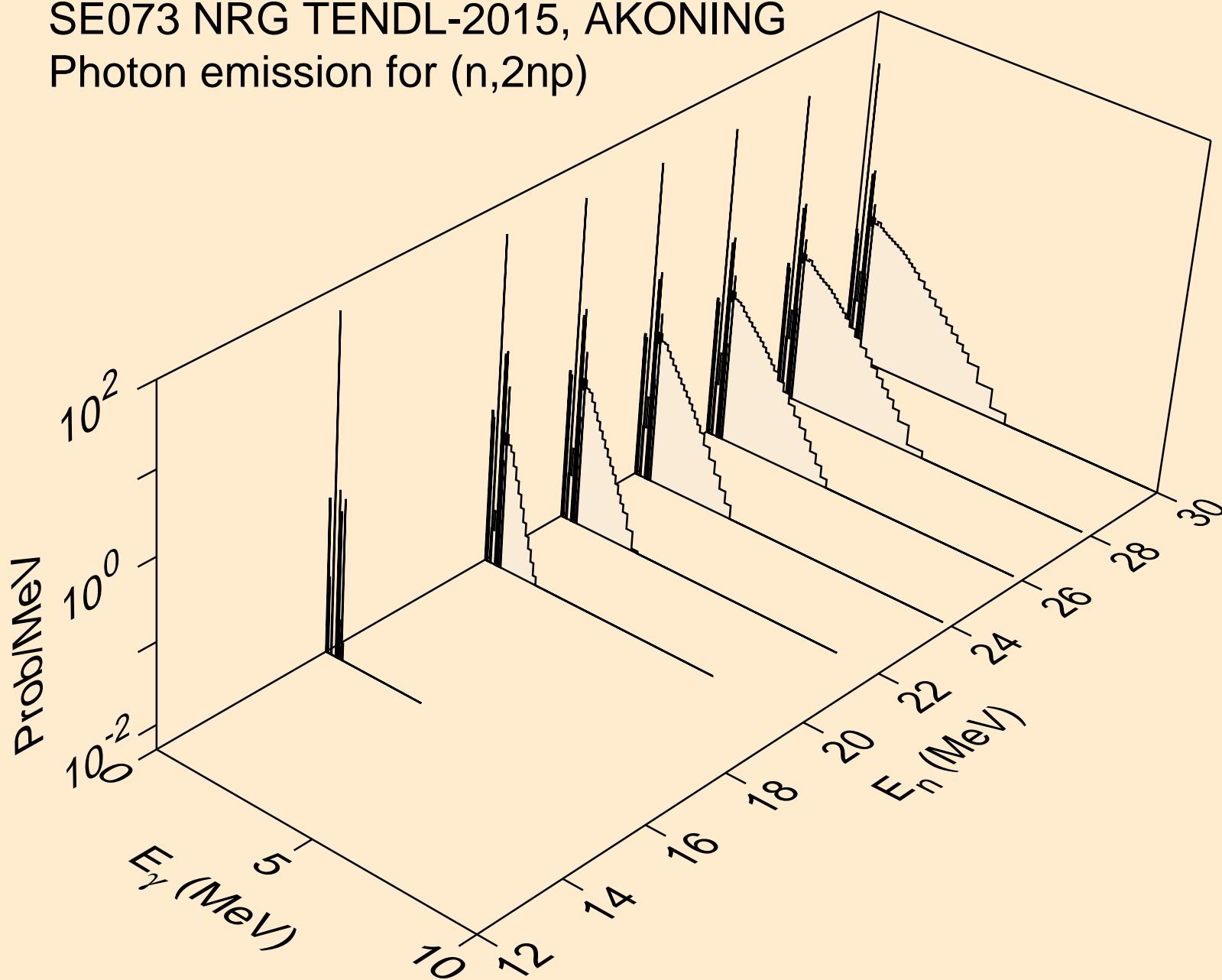
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



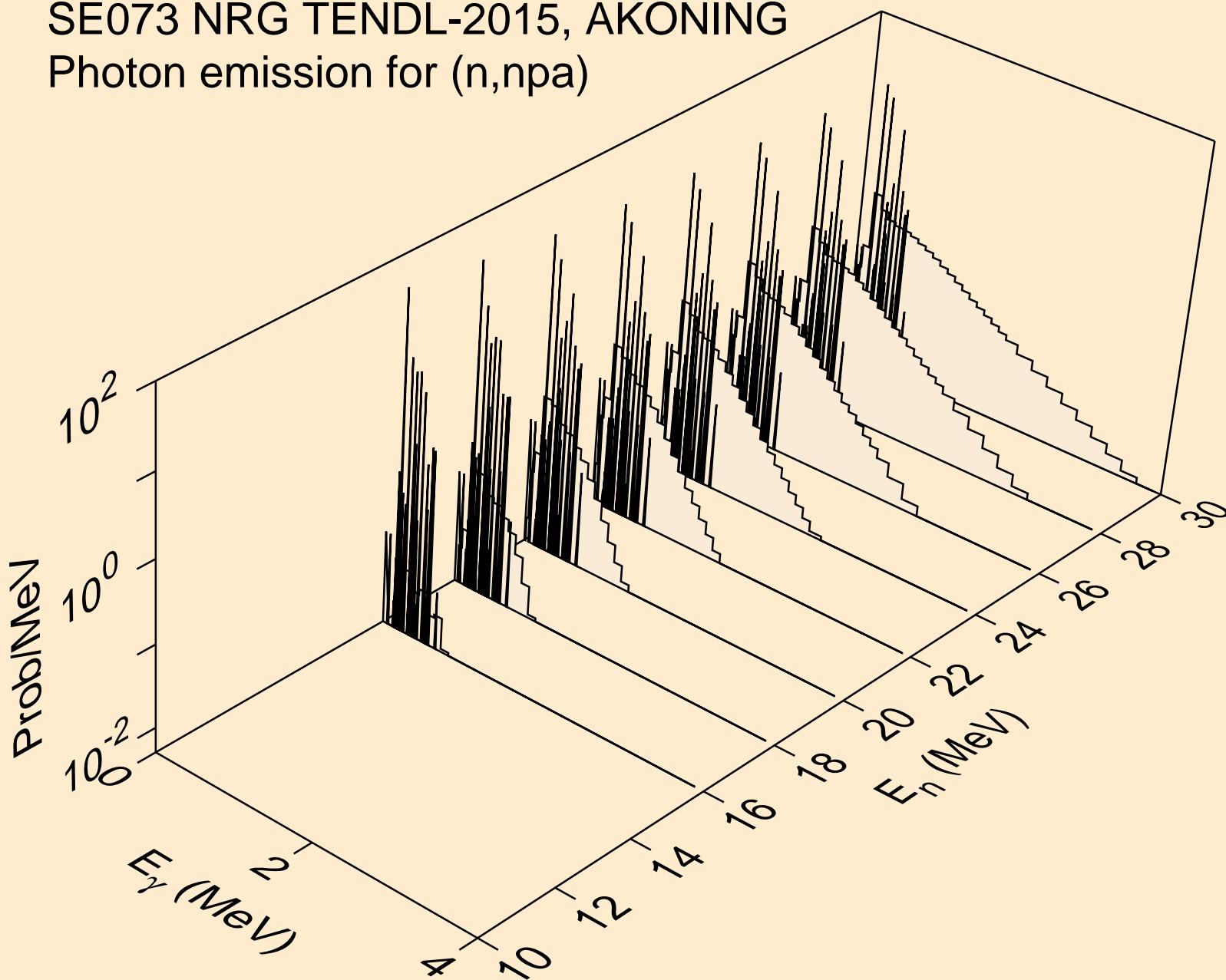
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



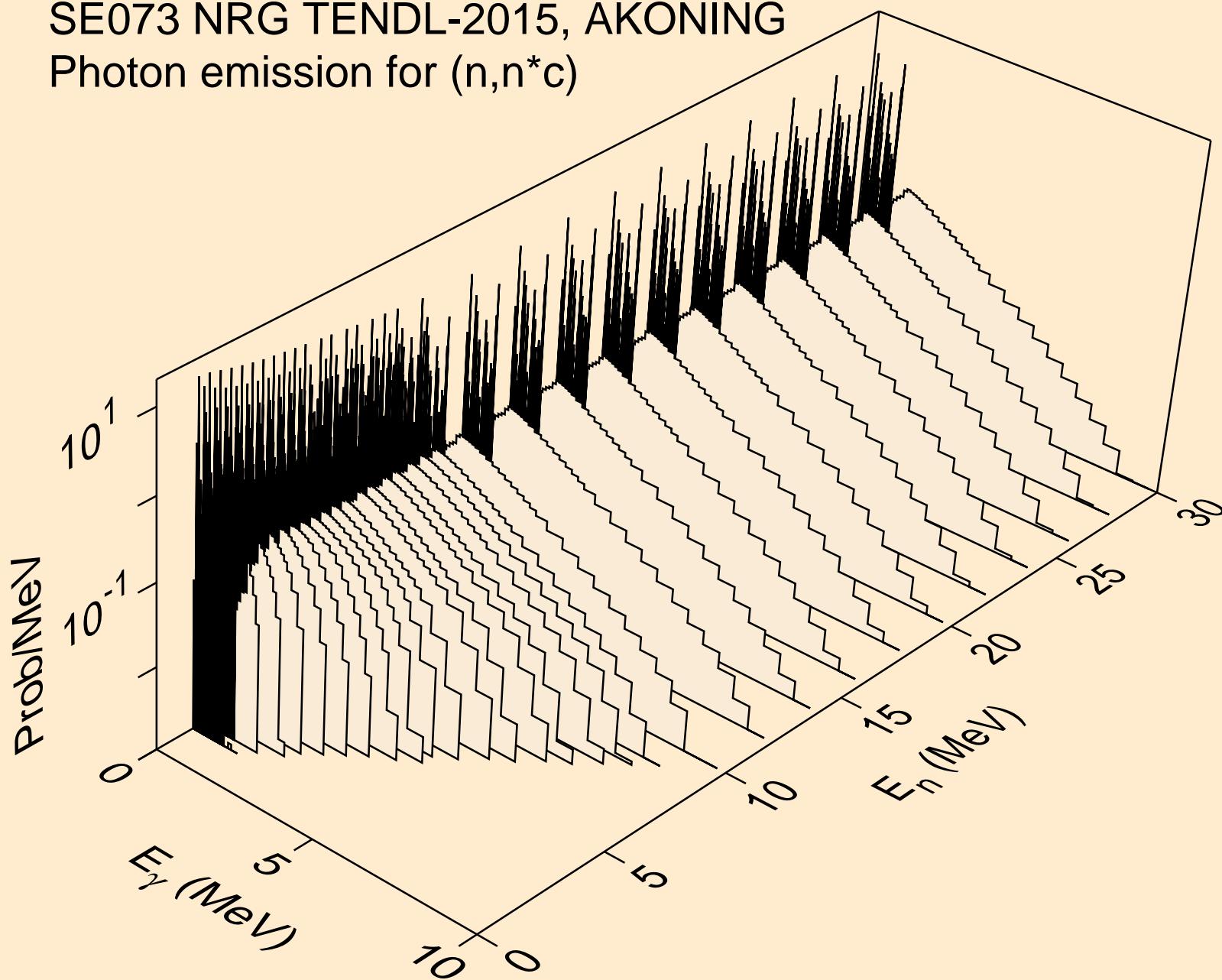
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



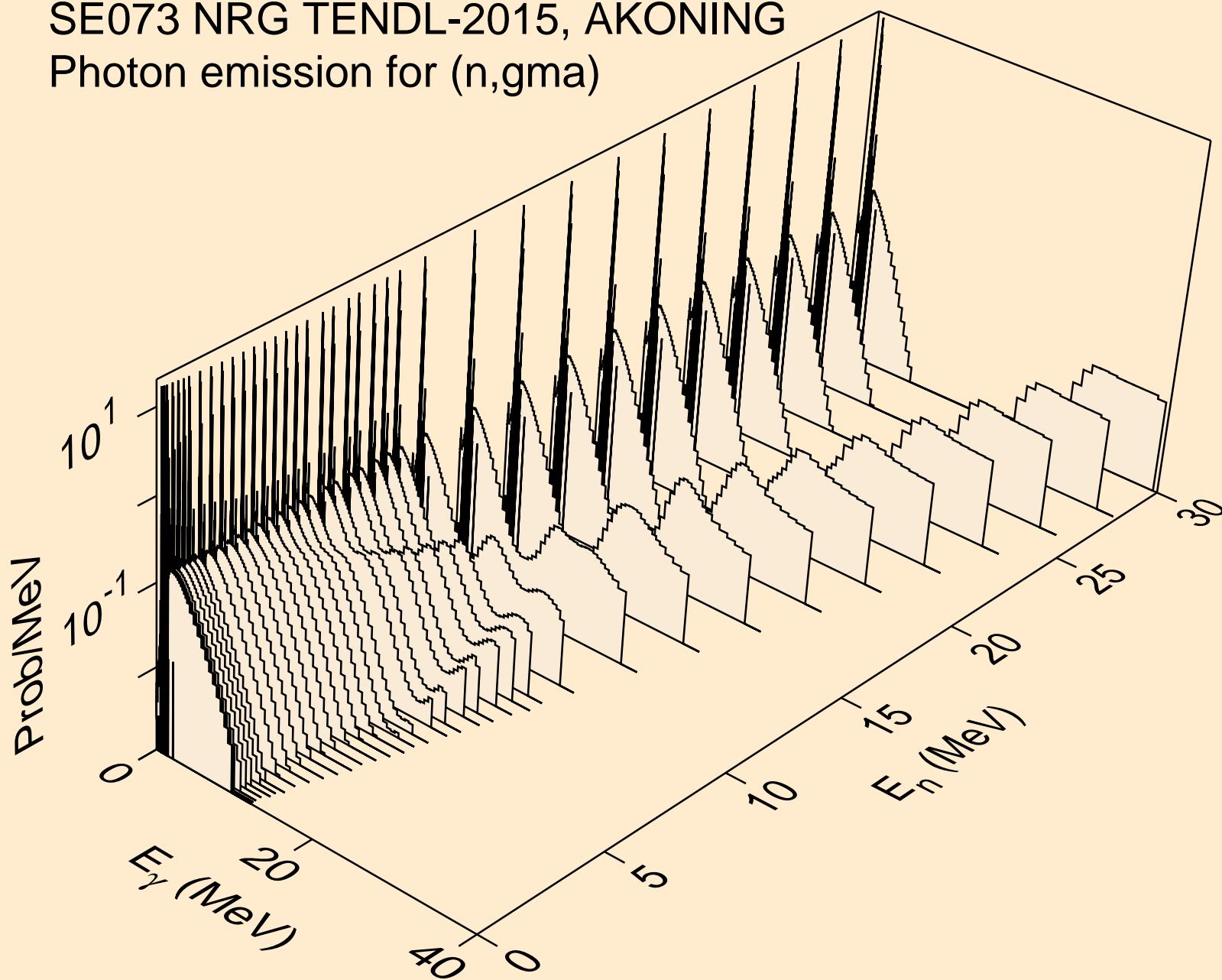
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



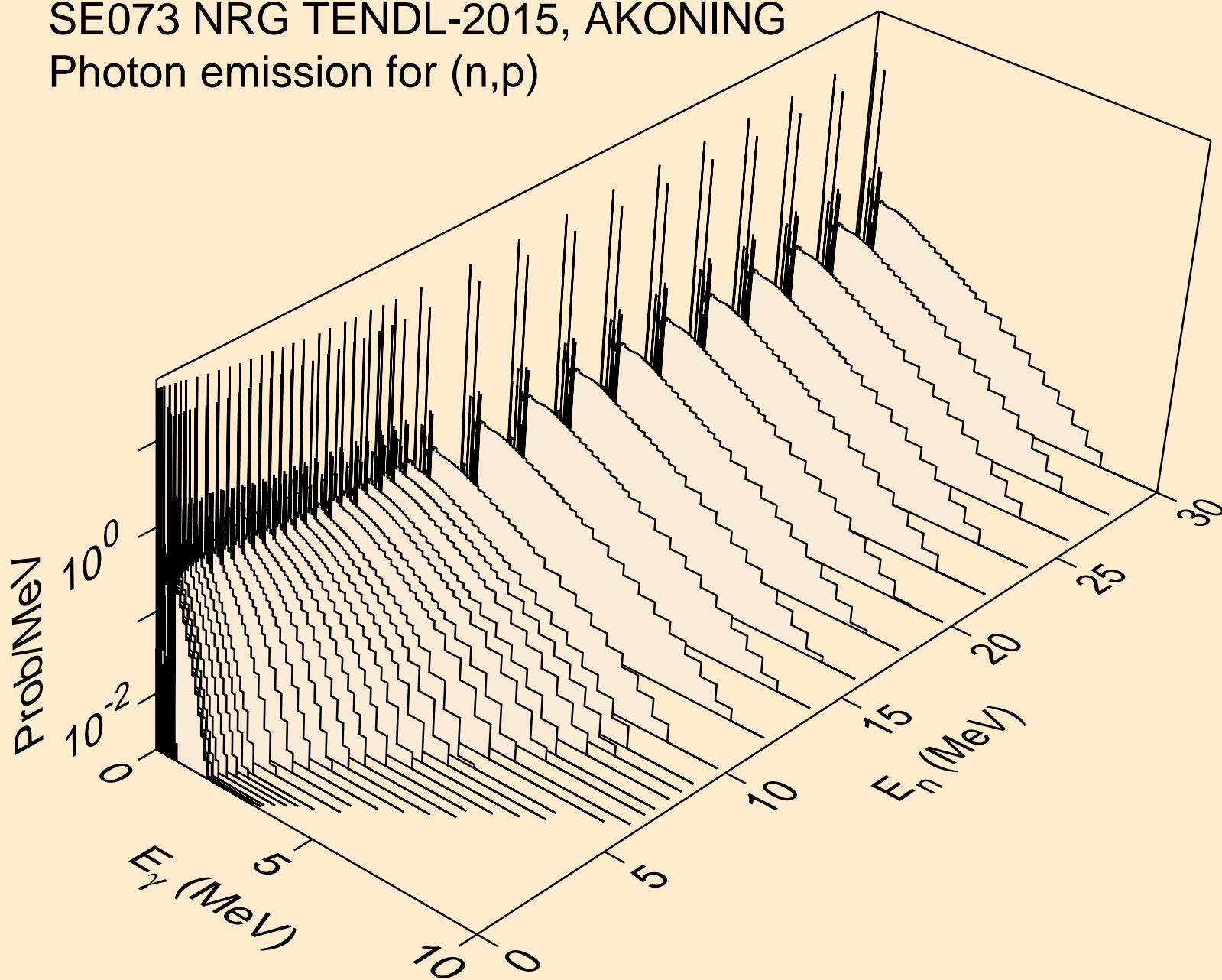
SE073 NRG TENDL-2015, AKONING  
Photon emission for  $(n, n^* c)$



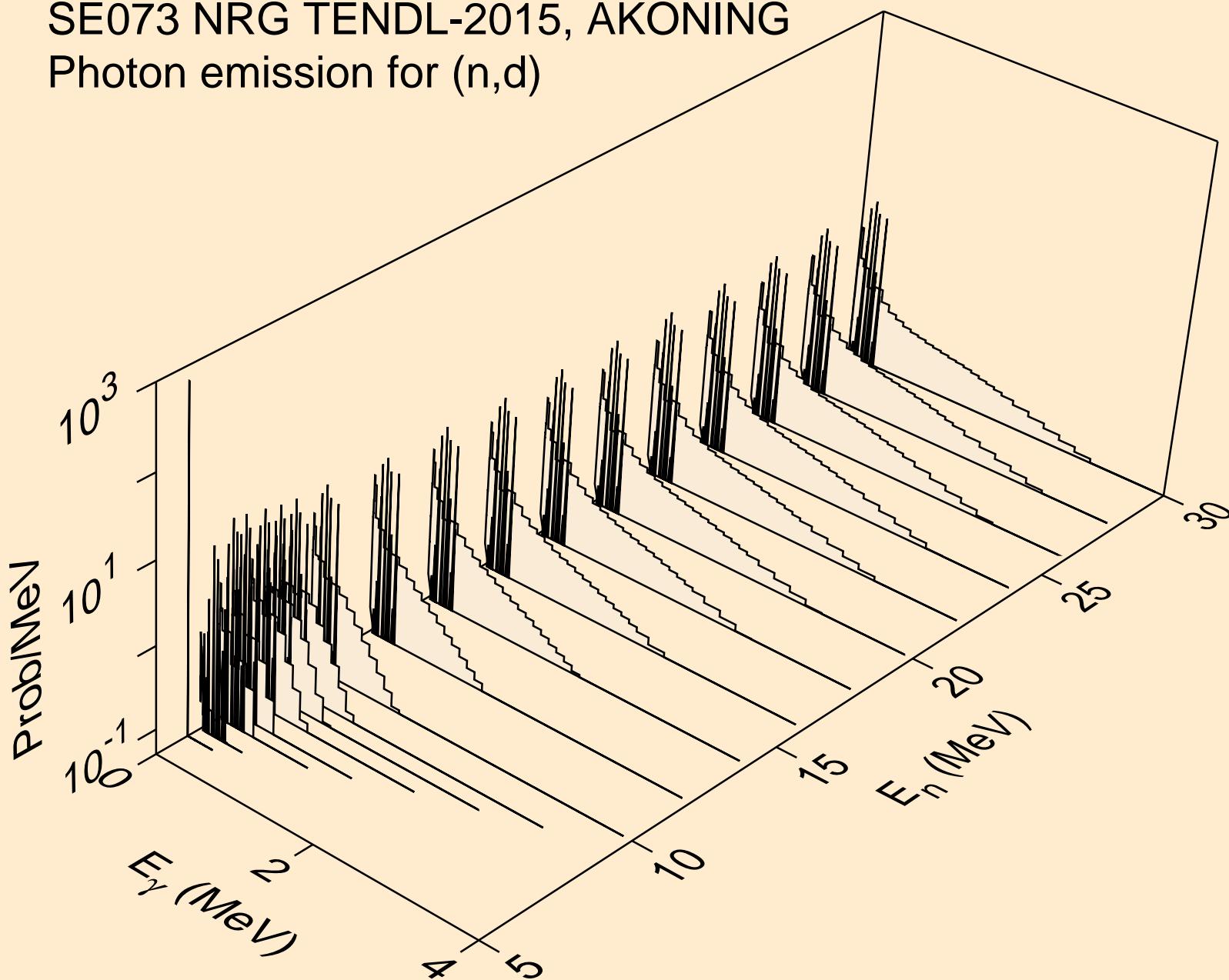
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



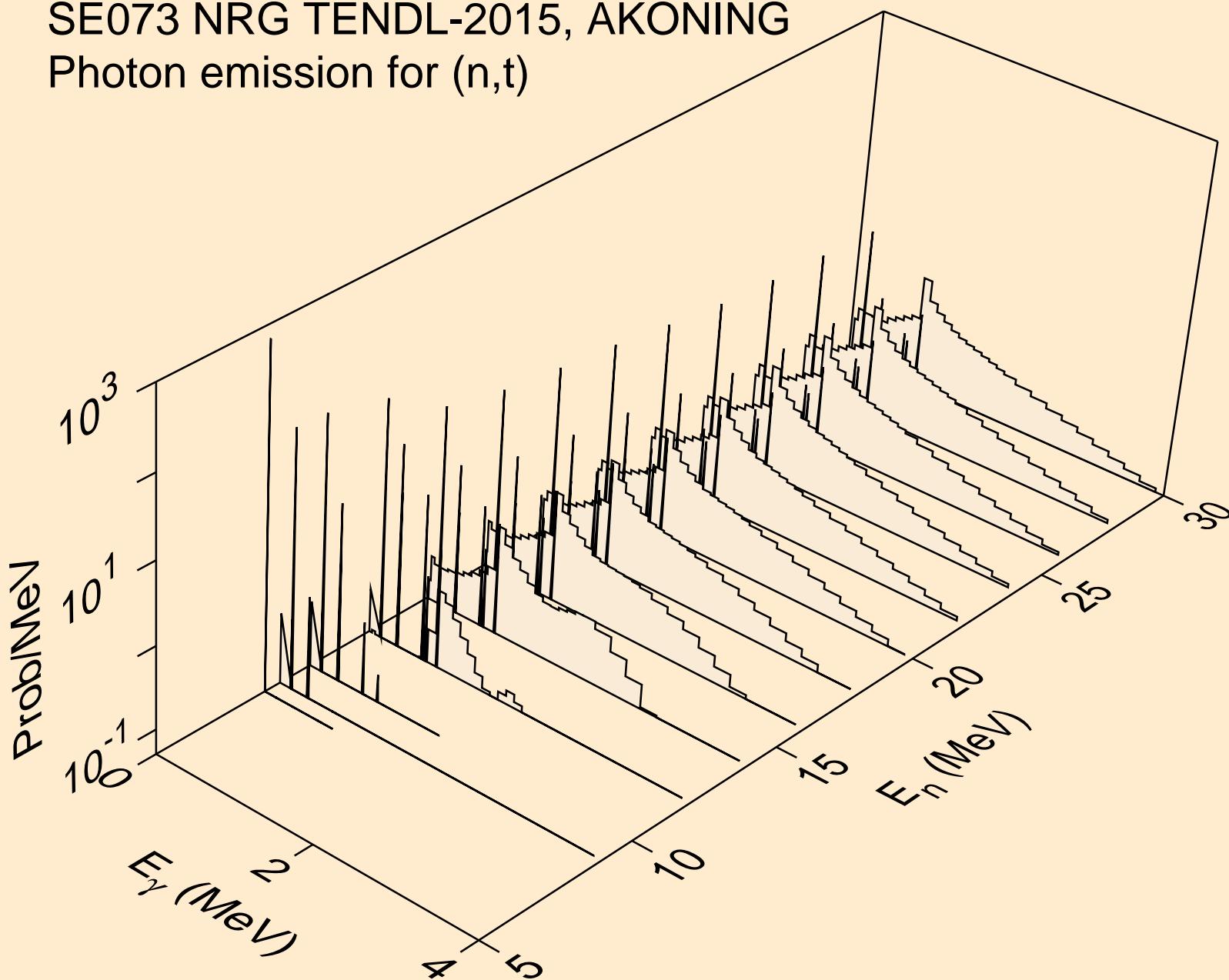
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



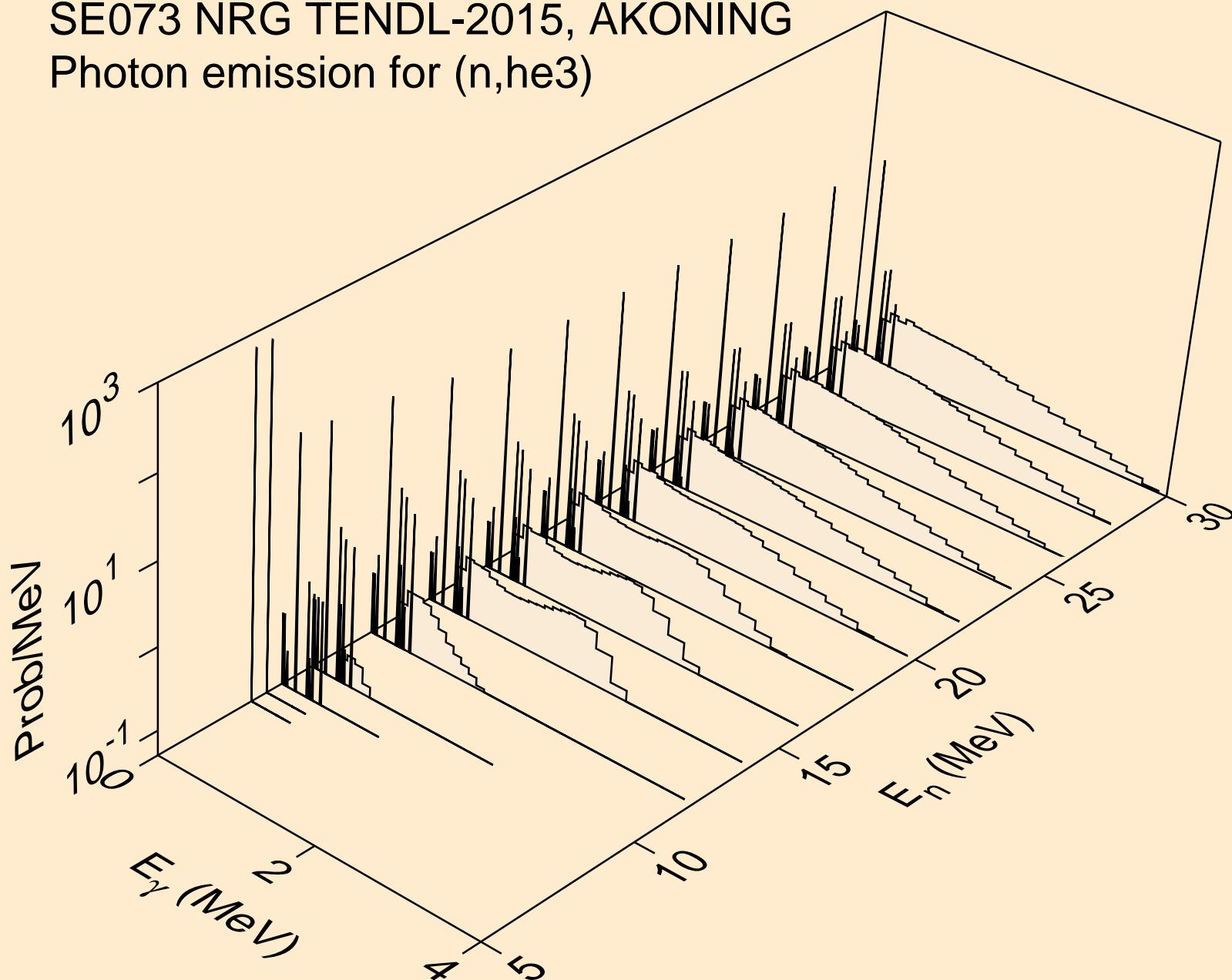
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,d)



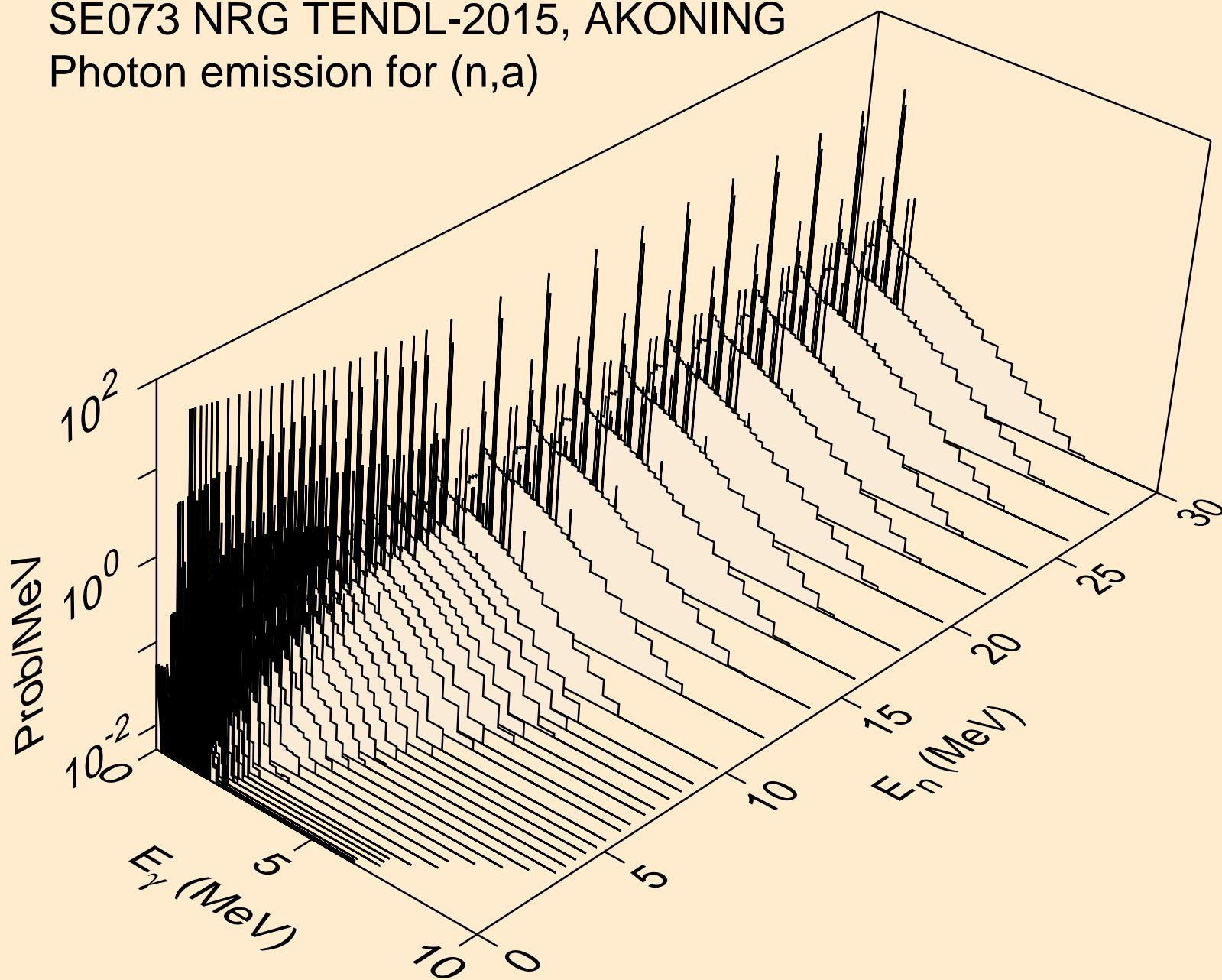
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,t)



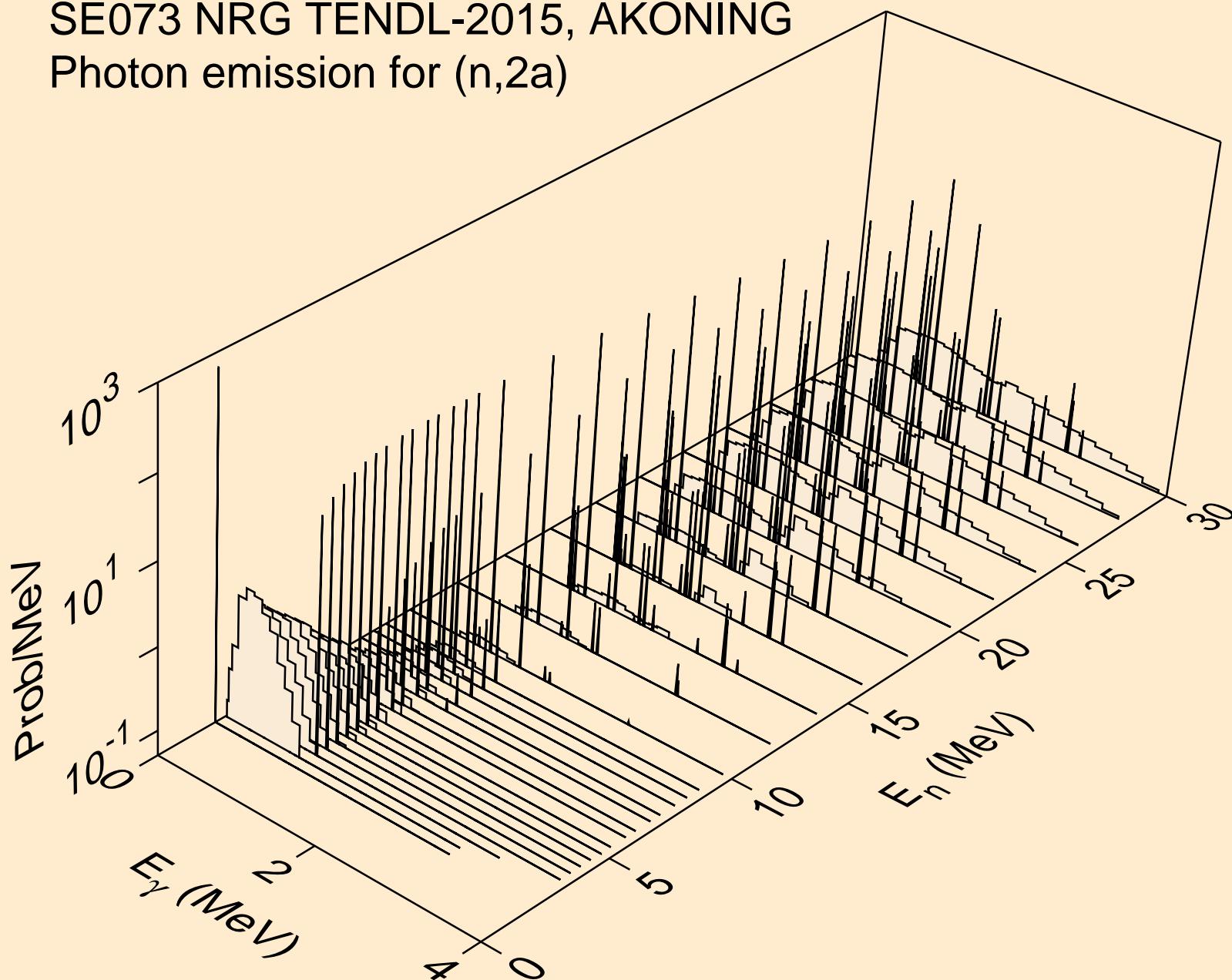
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



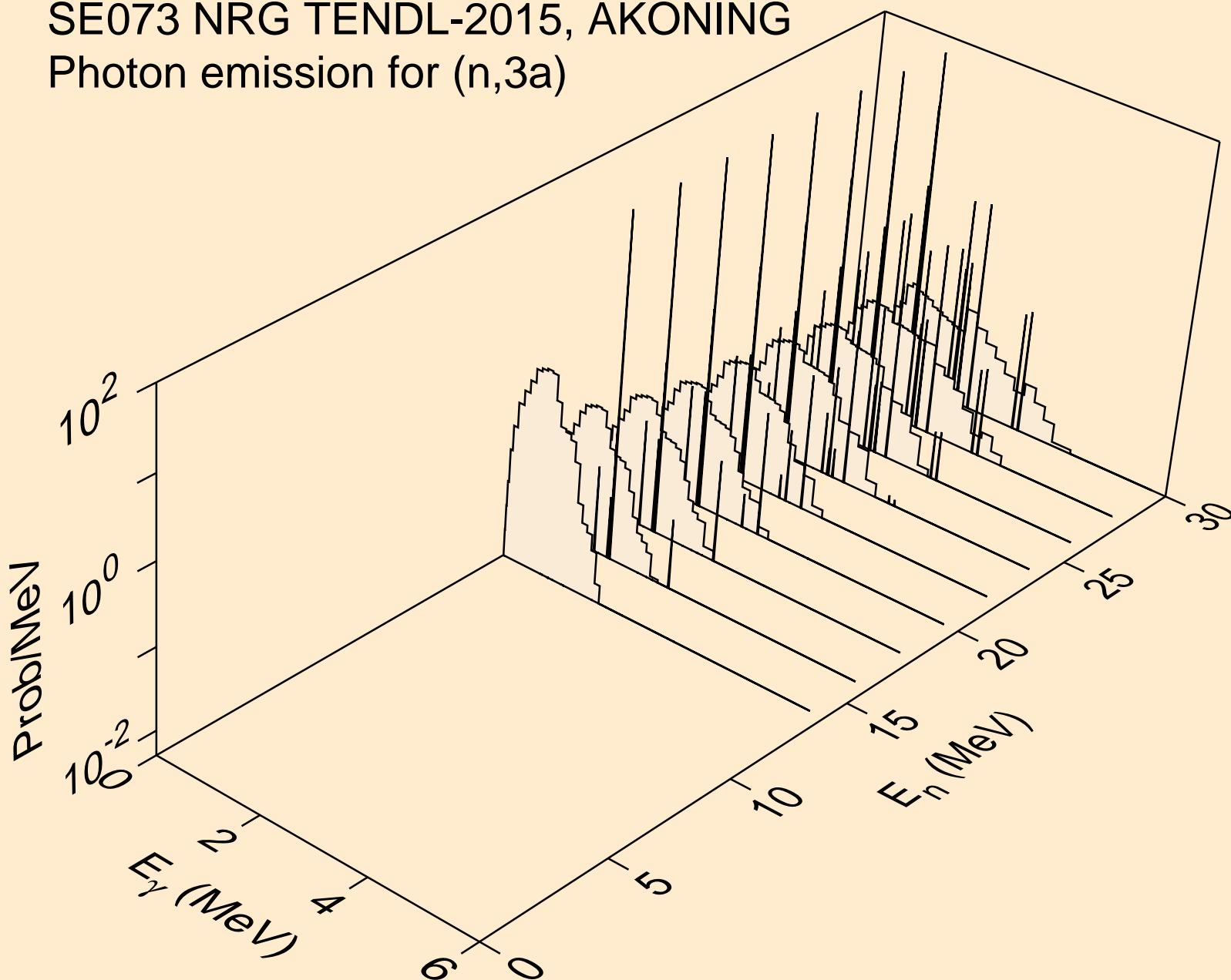
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



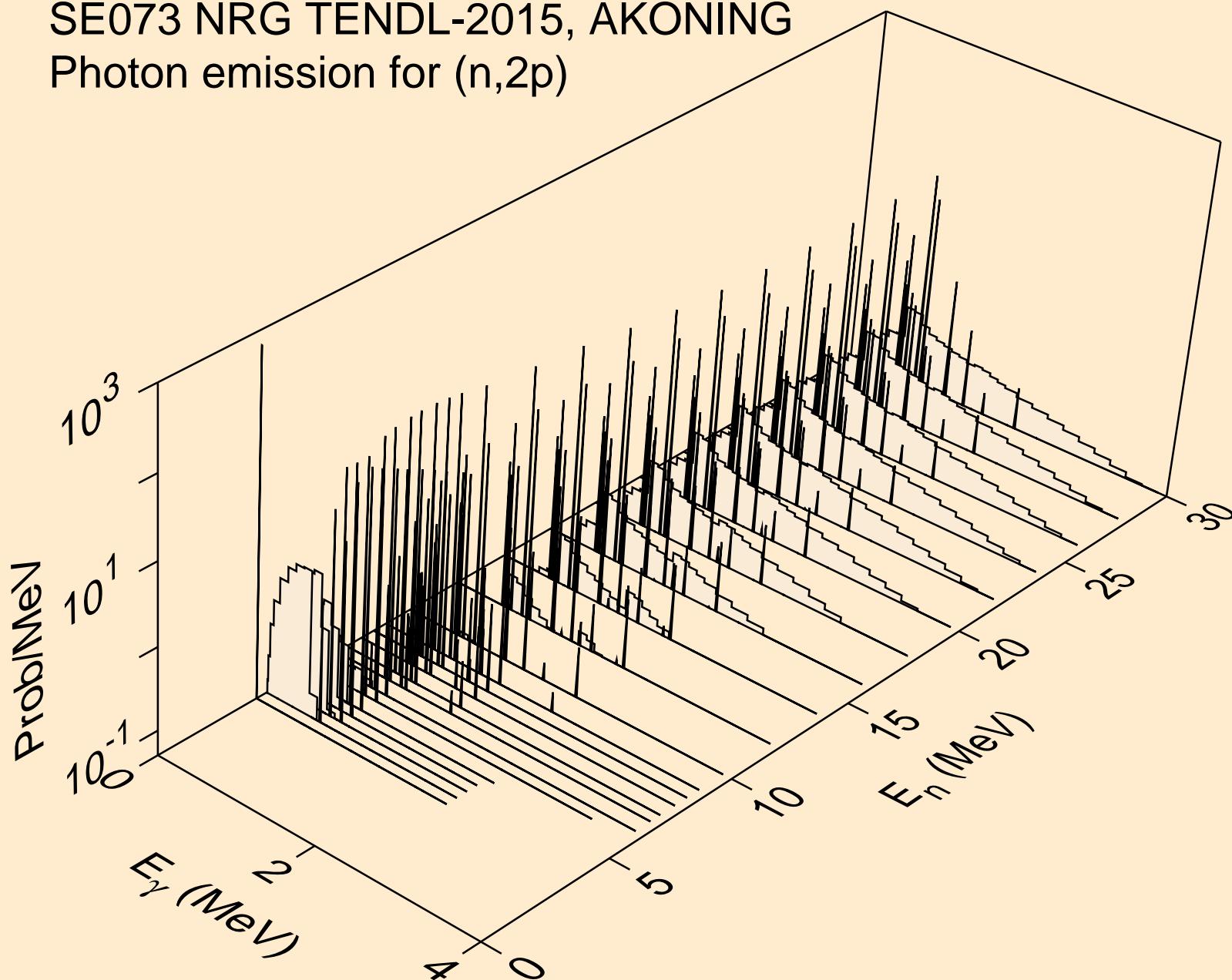
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



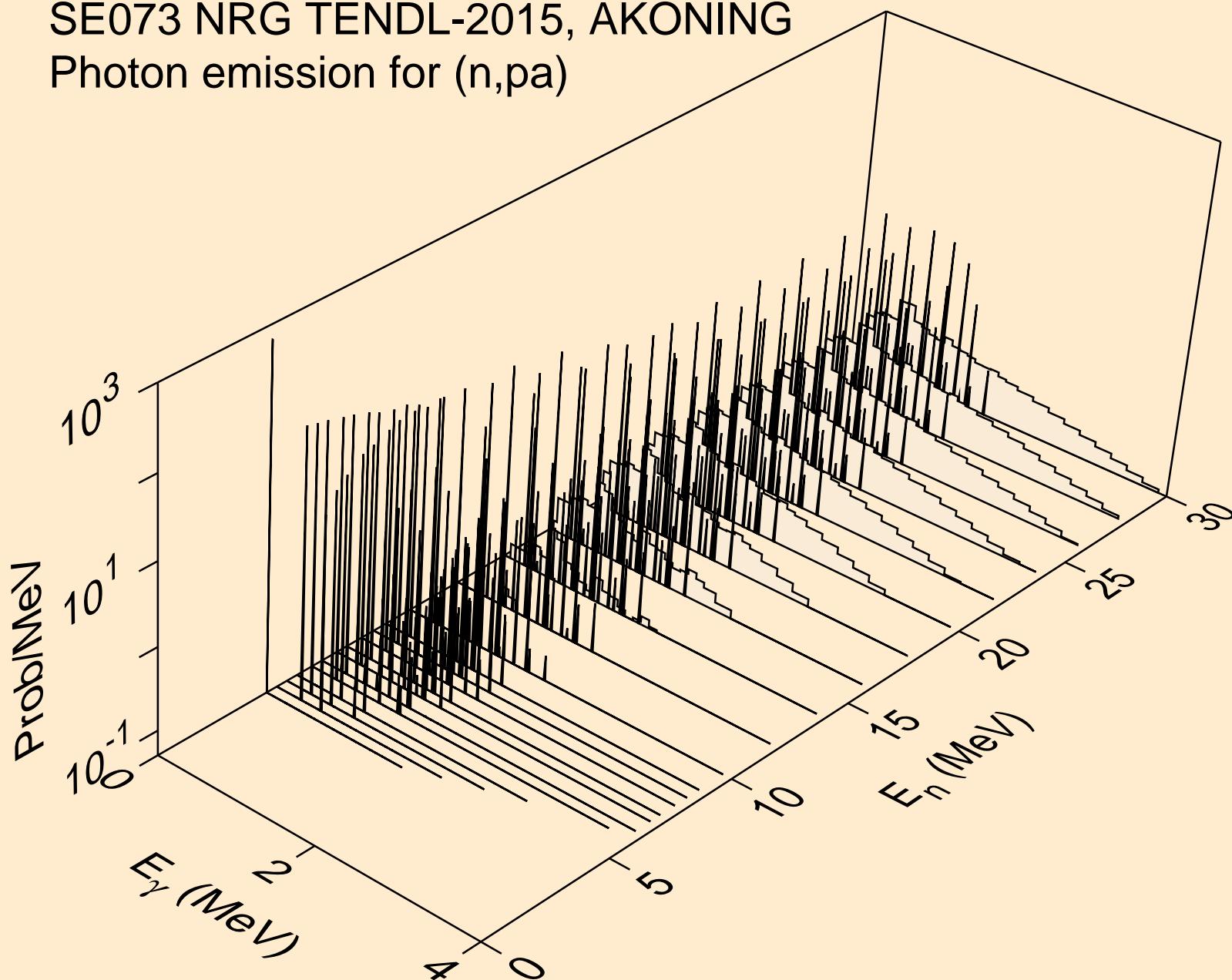
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



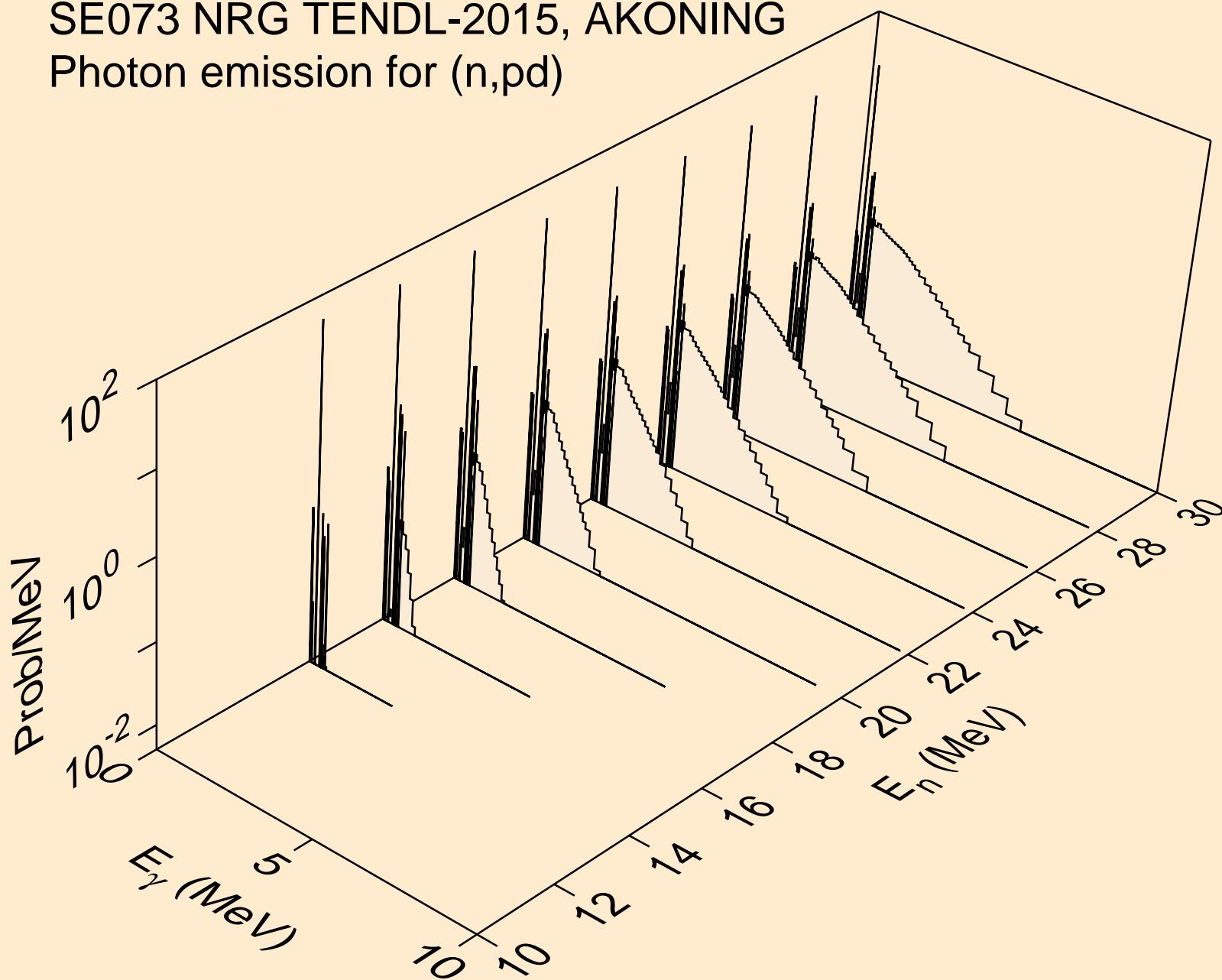
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



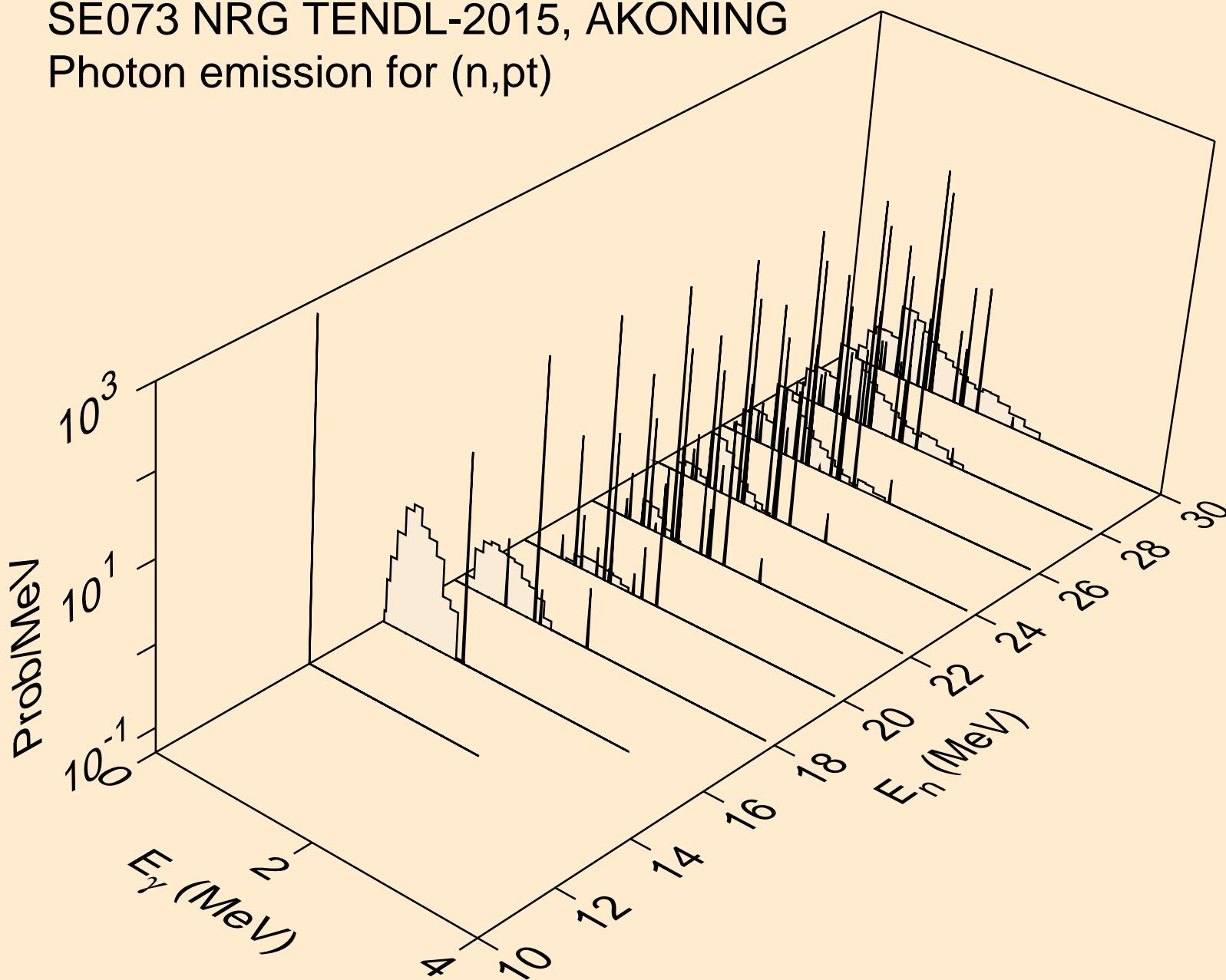
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,pa)



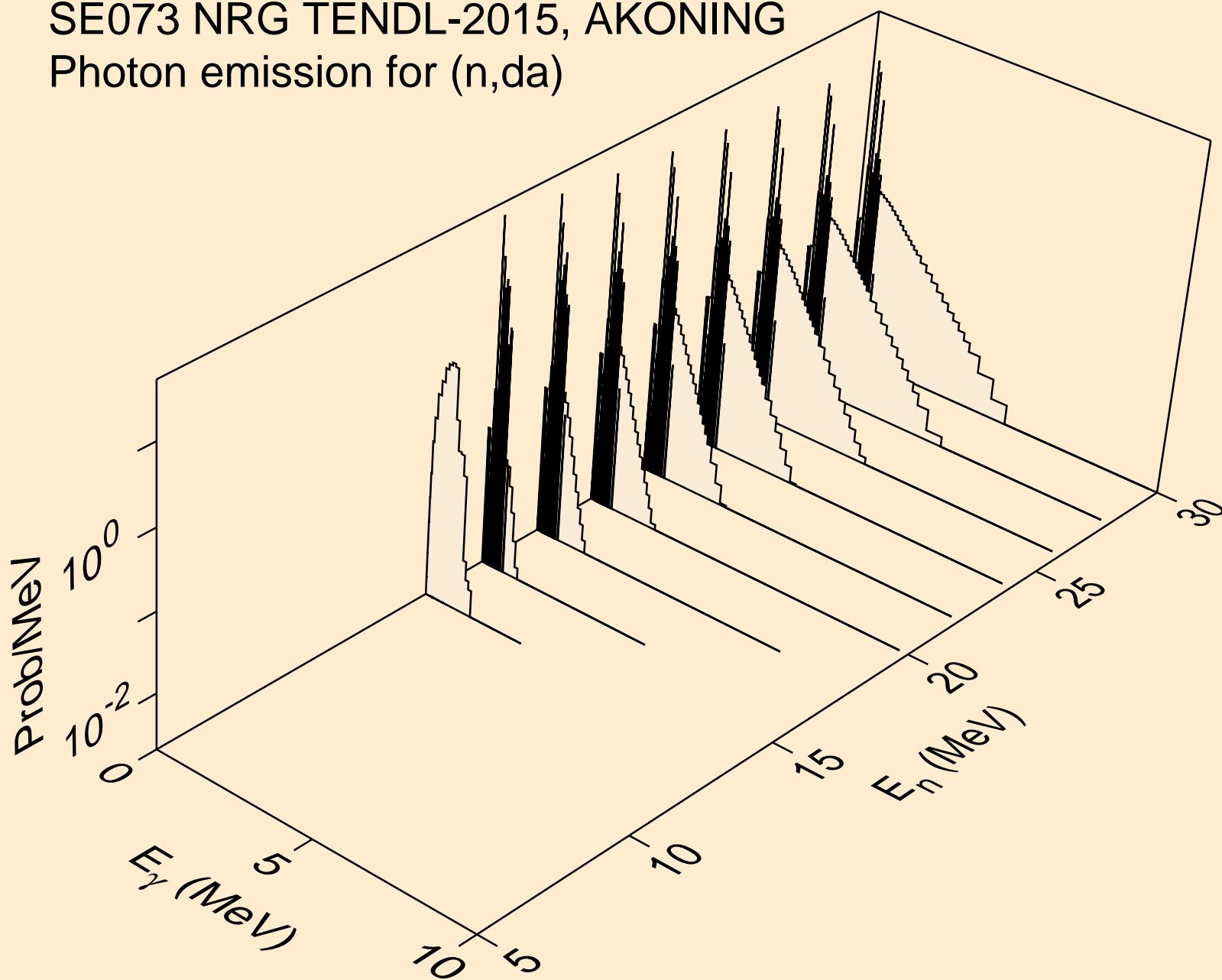
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



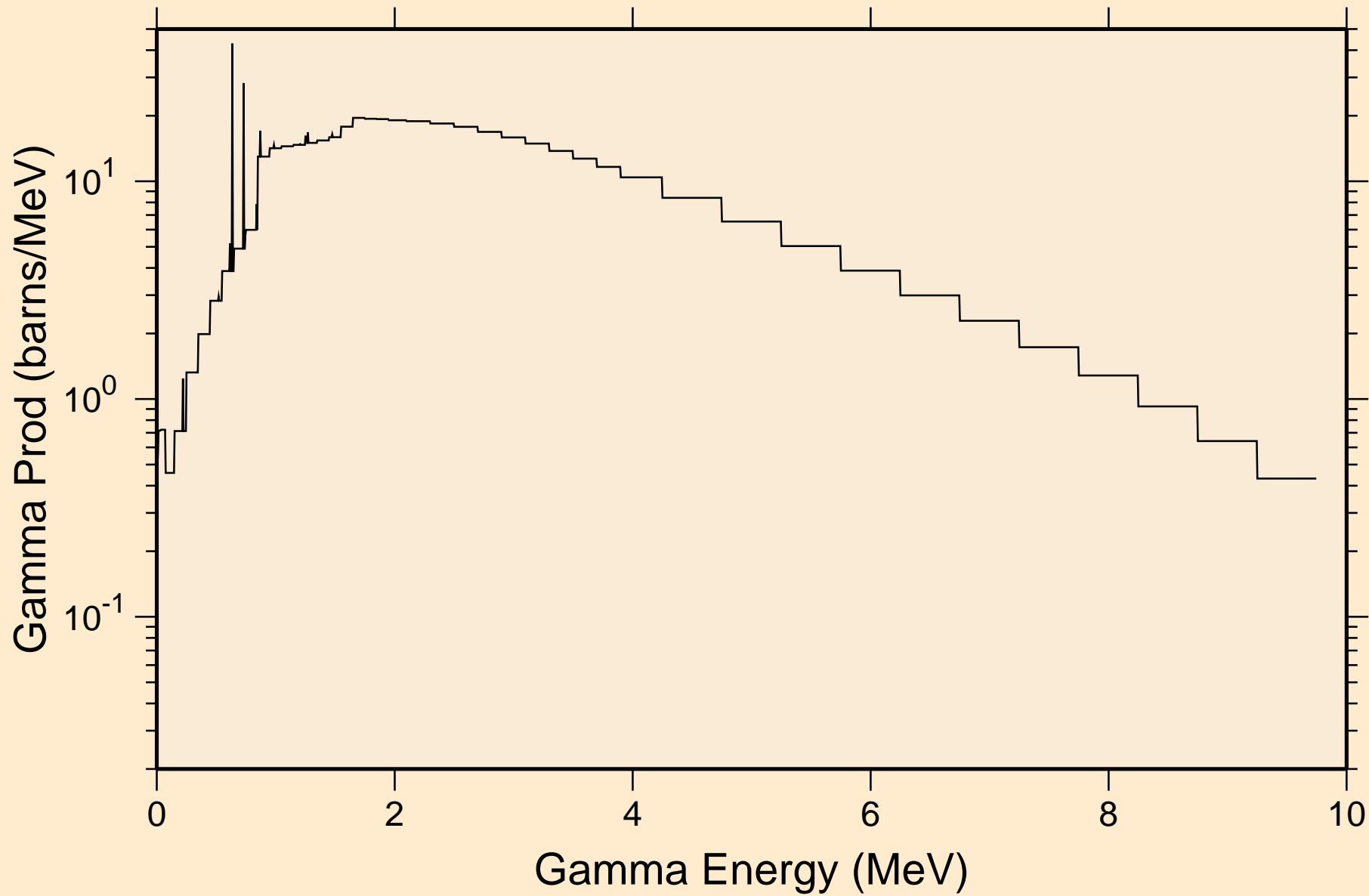
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



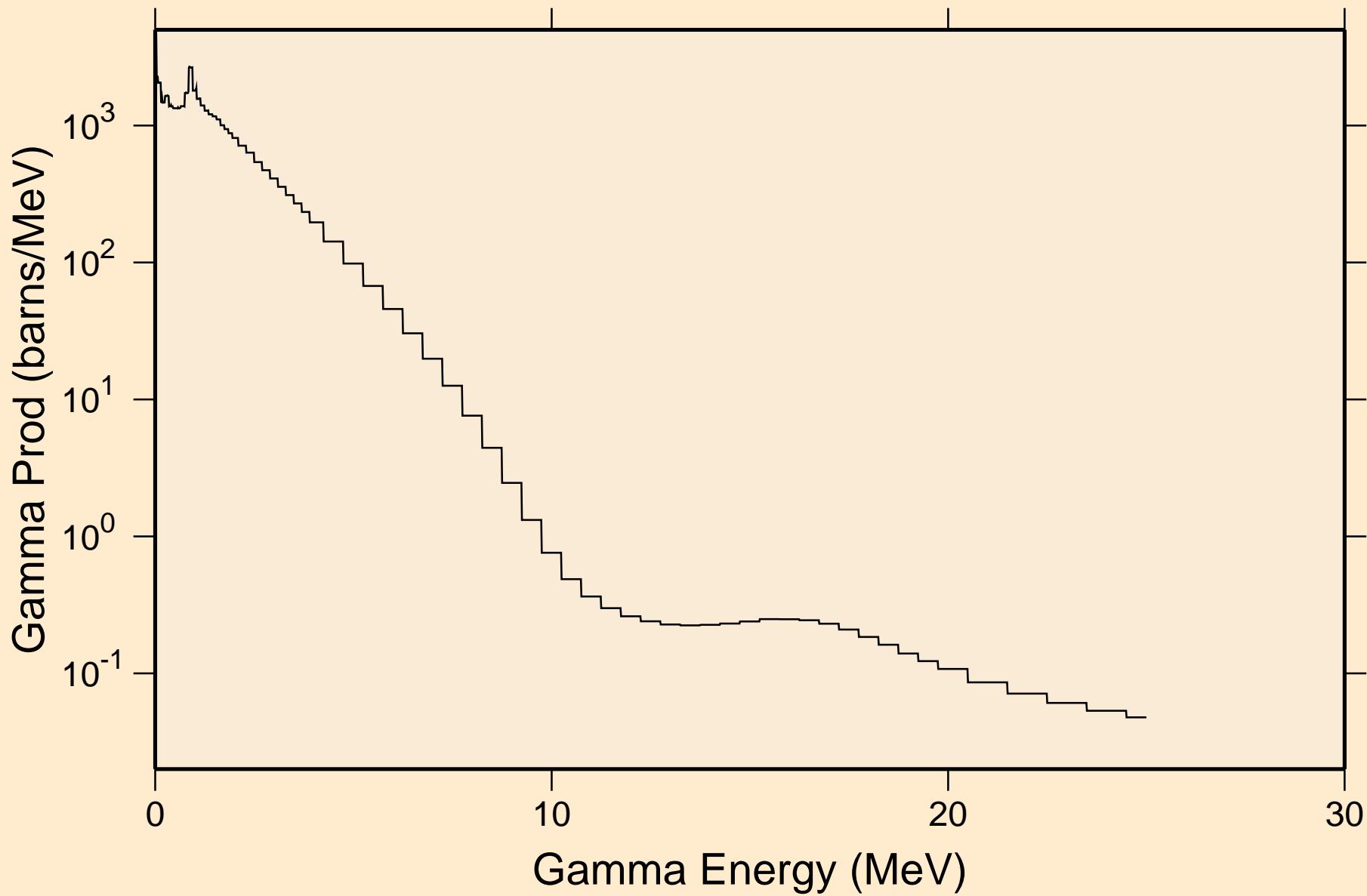
SE073 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



SE073 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

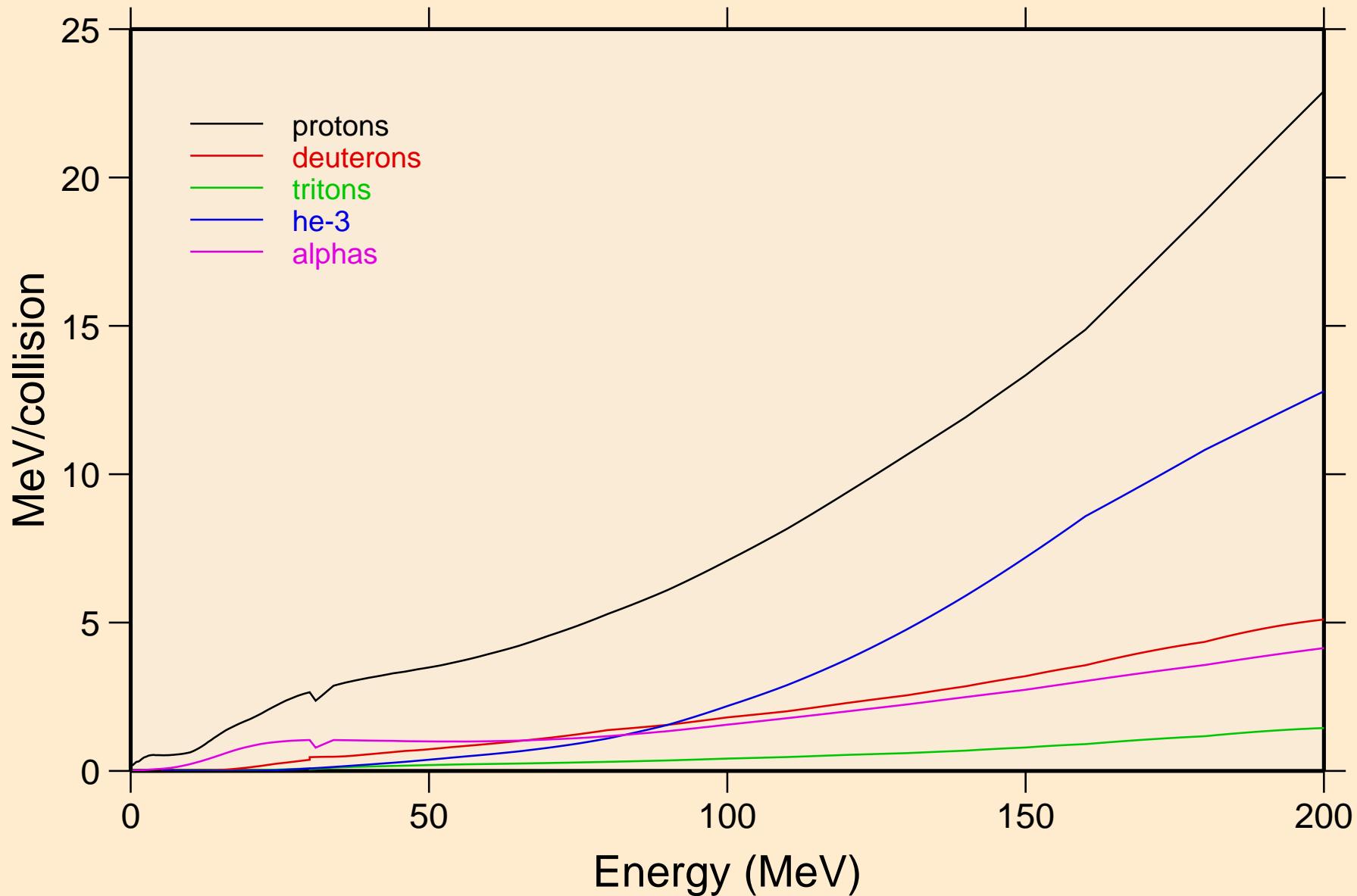


SE073 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



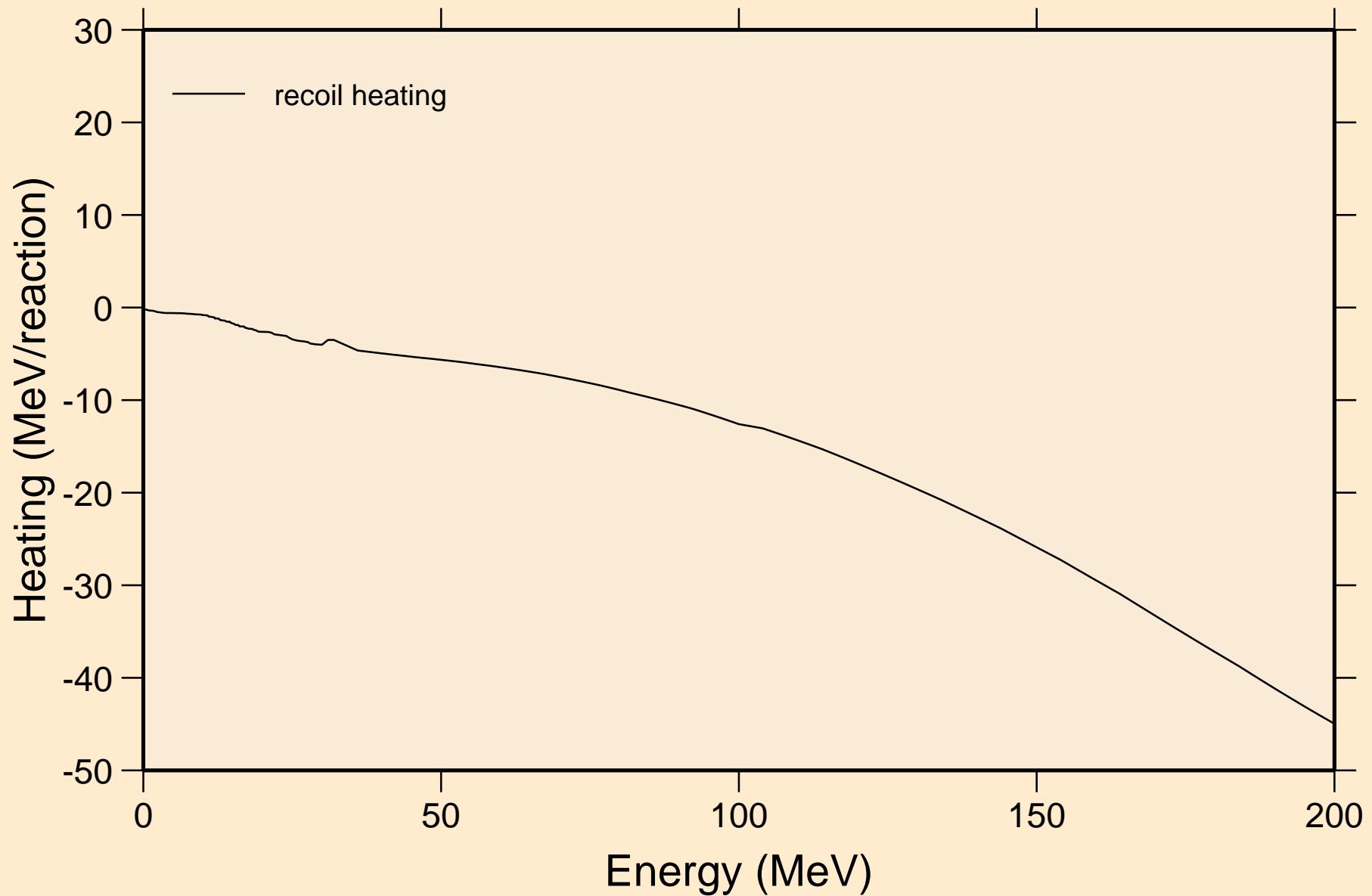
# SE073 NRG TENDL-2015, AKONING

## Particle heating contributions

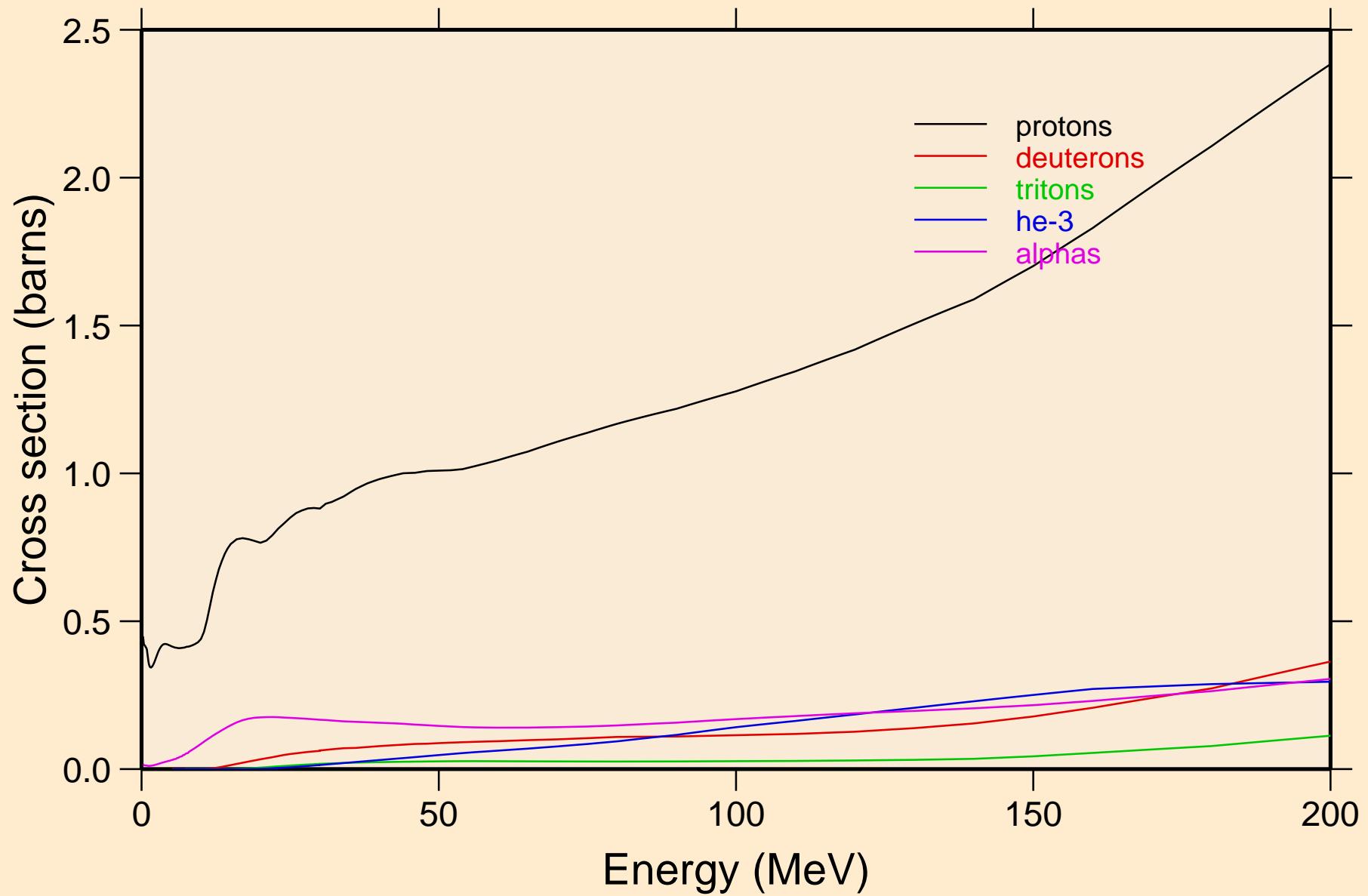


# SE073 NRG TENDL-2015, AKONING

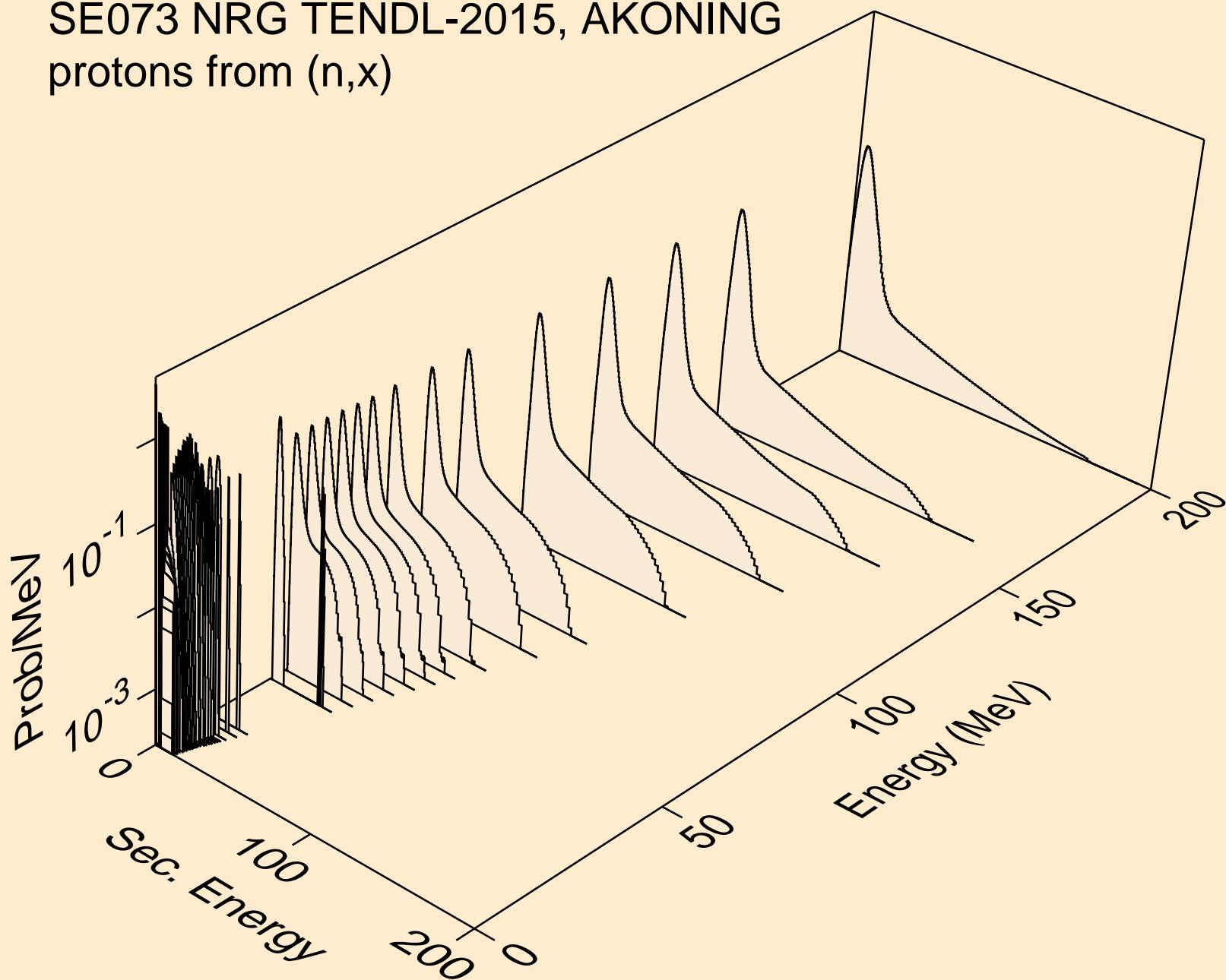
## Recoil Heating



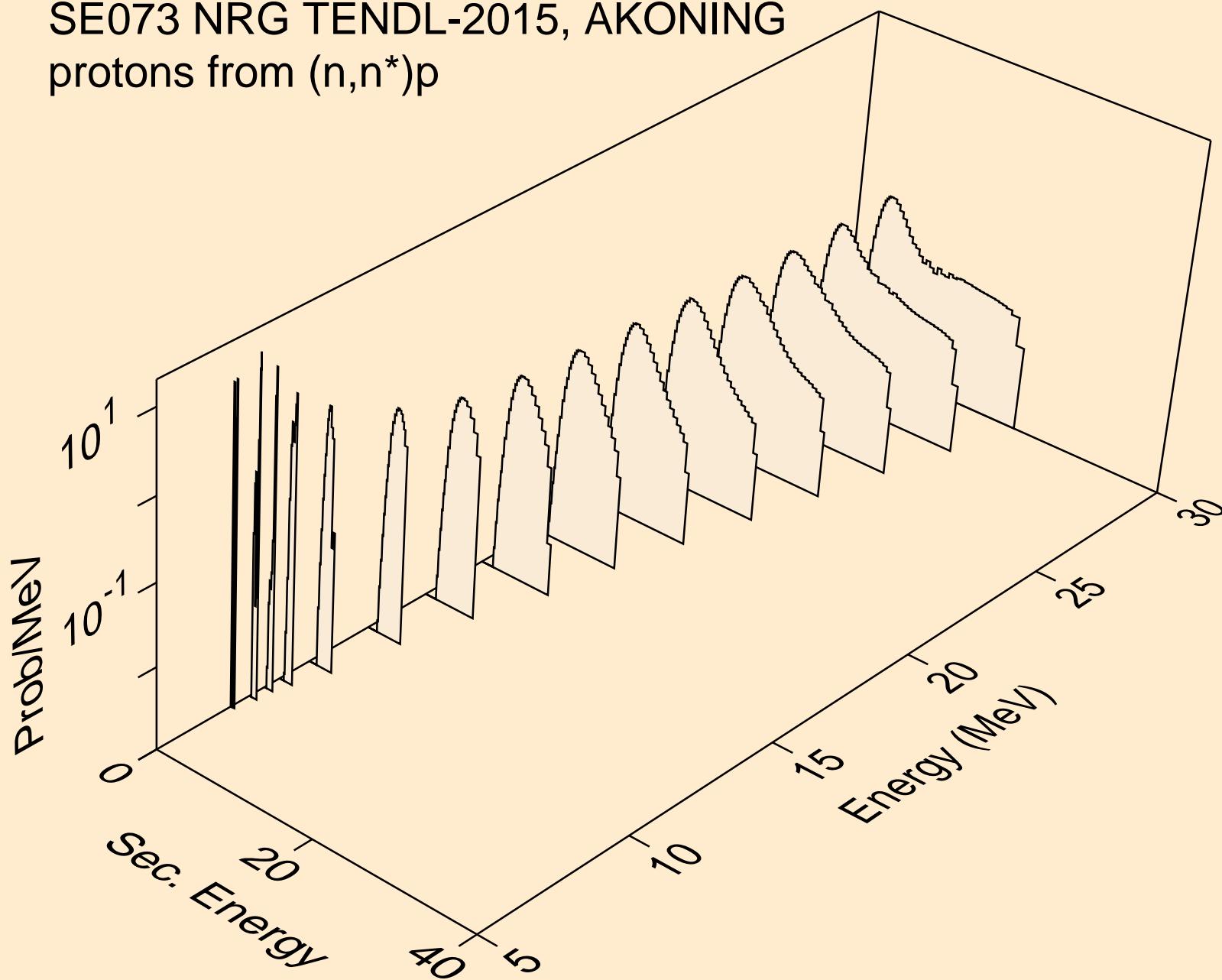
SE073 NRG TENDL-2015, AKONING  
Particle production cross sections



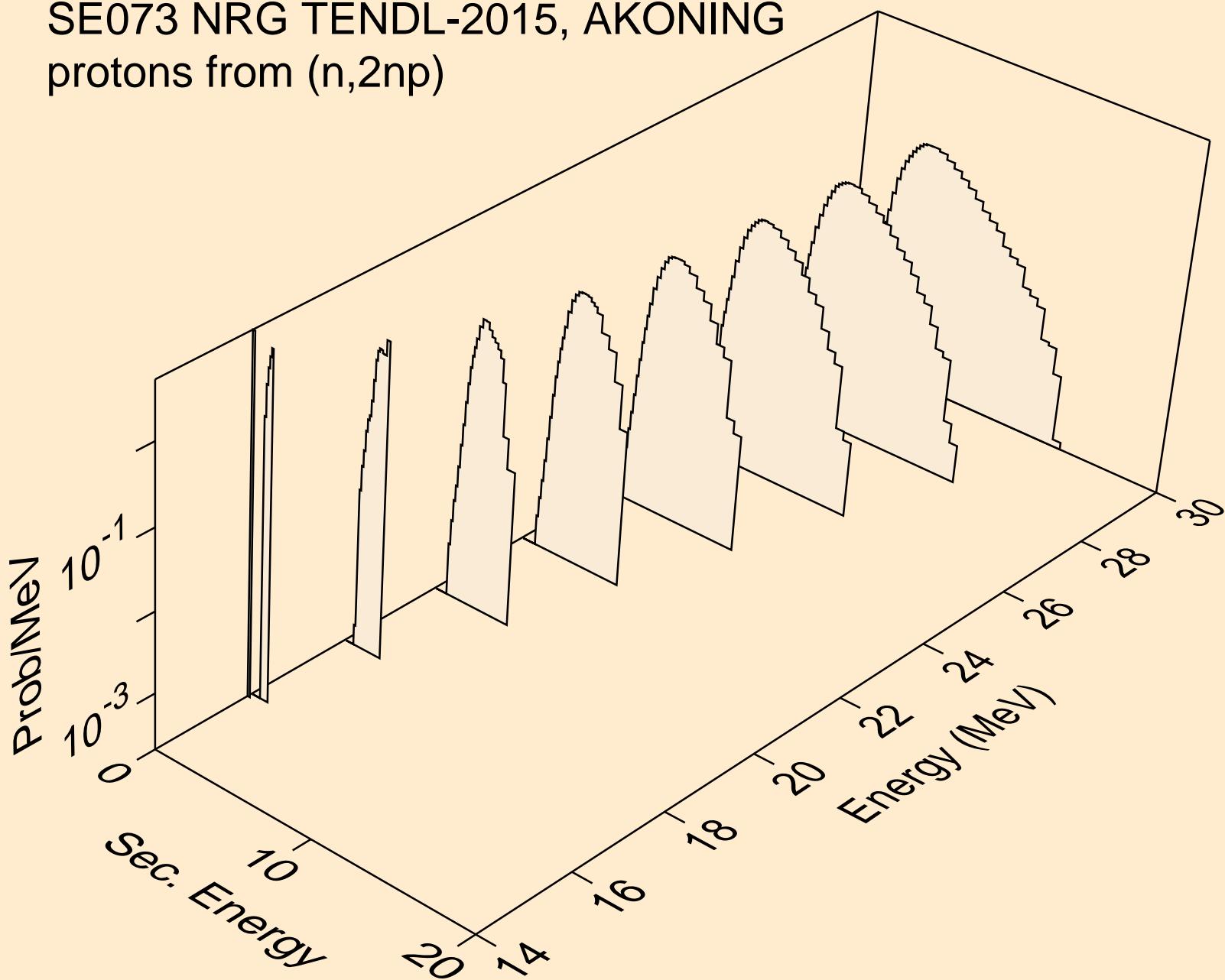
SE073 NRG TENDL-2015, AKONING  
protons from ( $n,x$ )



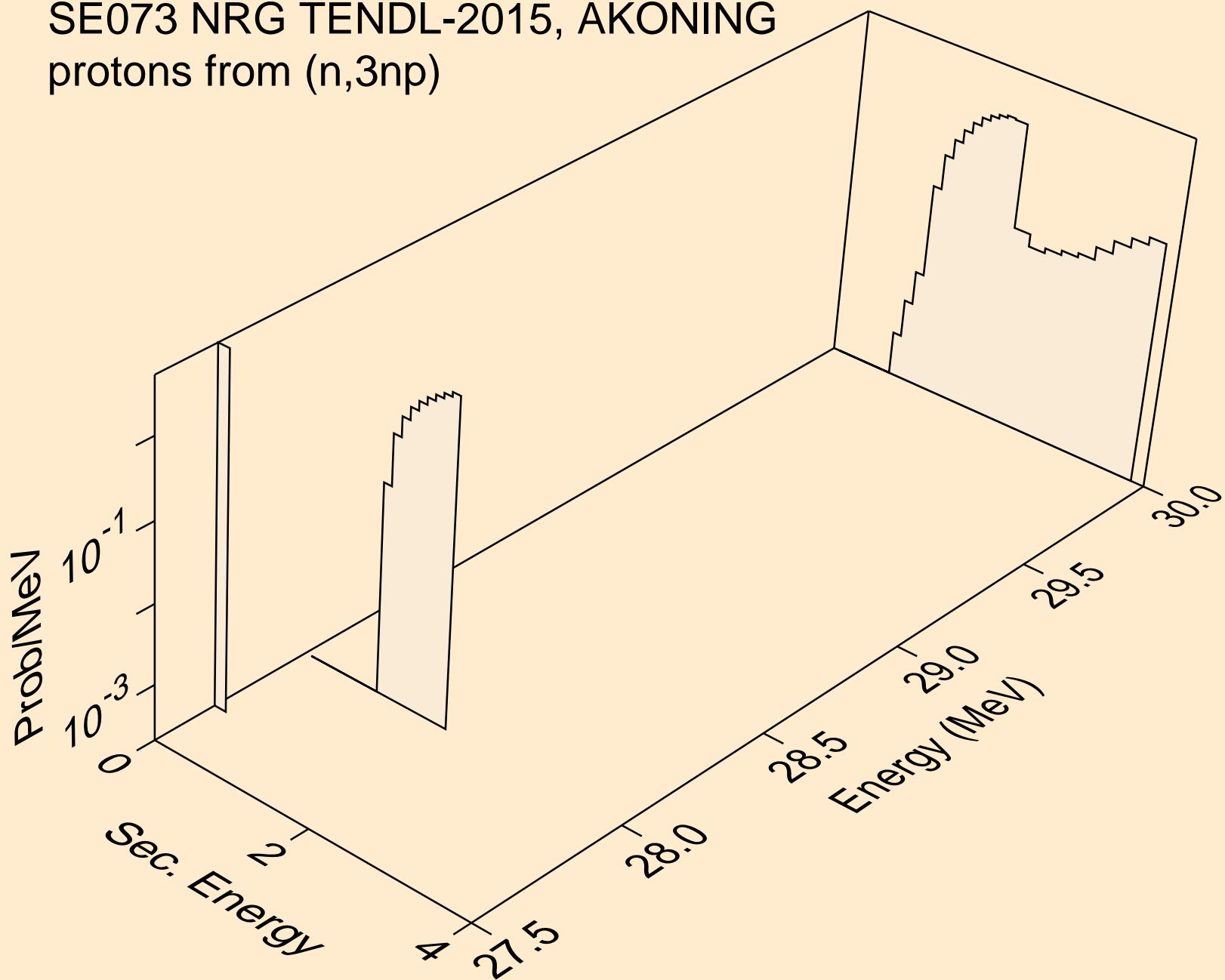
SE073 NRG TENDL-2015, AKONING  
protons from  $(n,n^*)p$



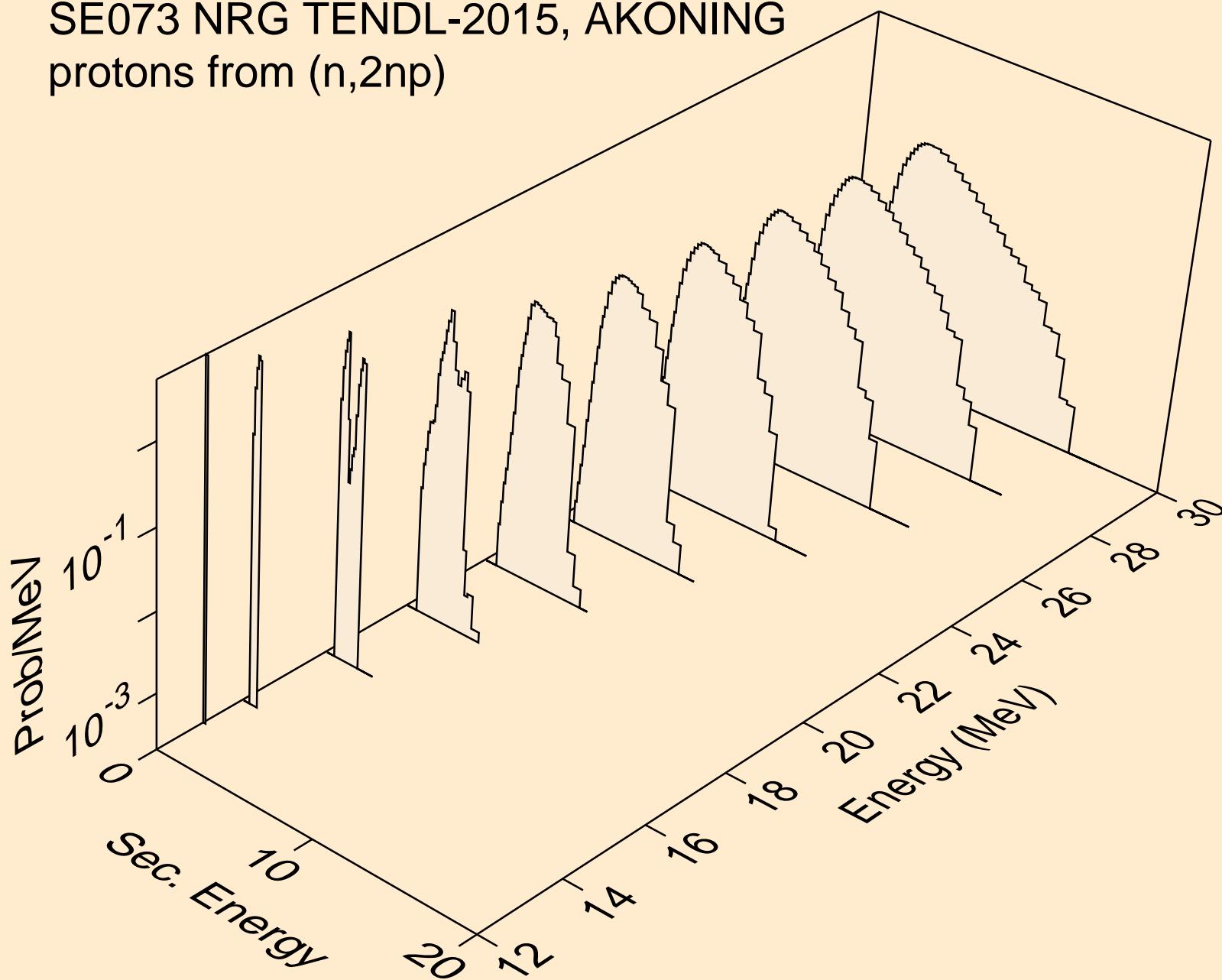
SE073 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



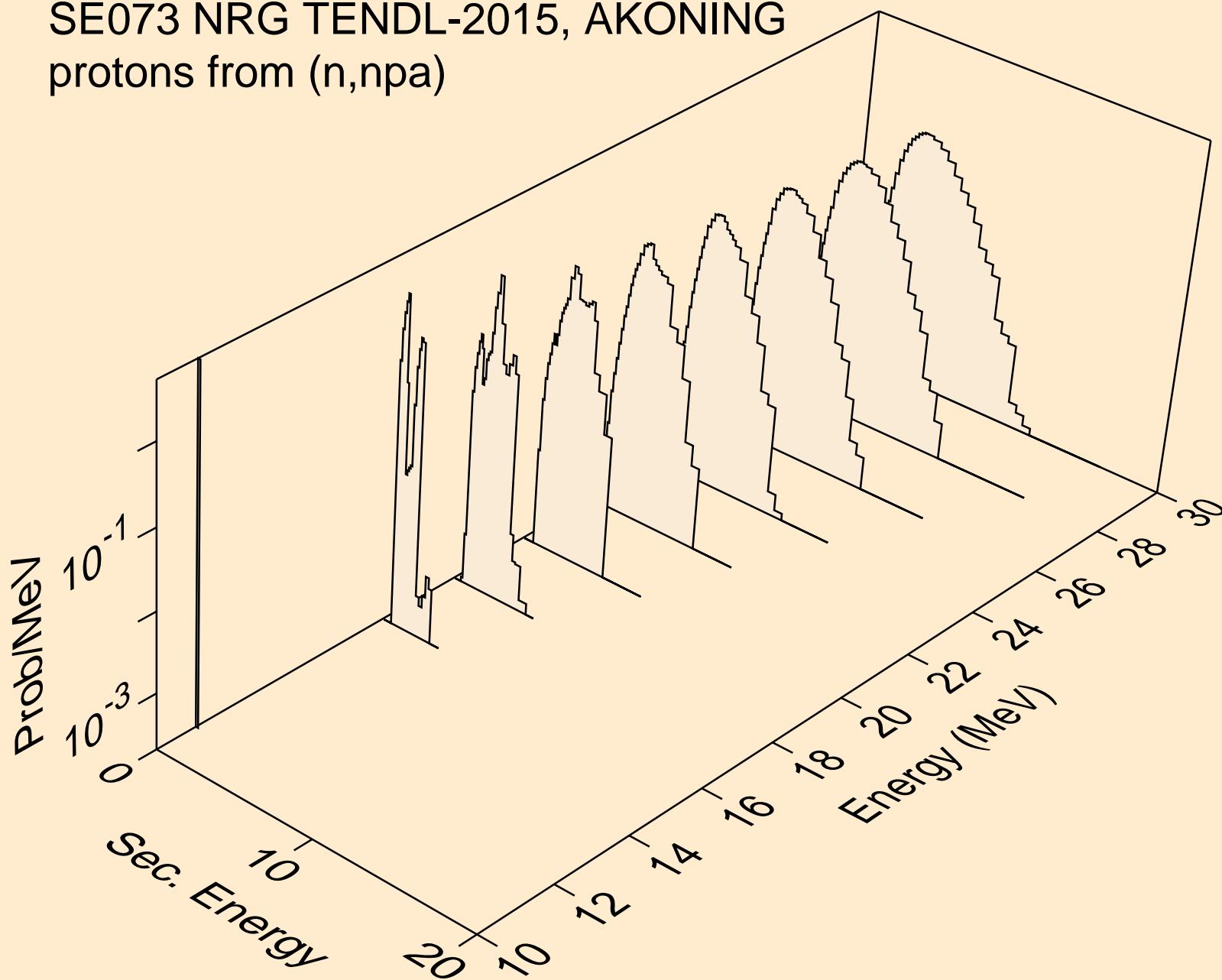
SE073 NRG TENDL-2015, AKONING  
protons from ( $n,3np$ )



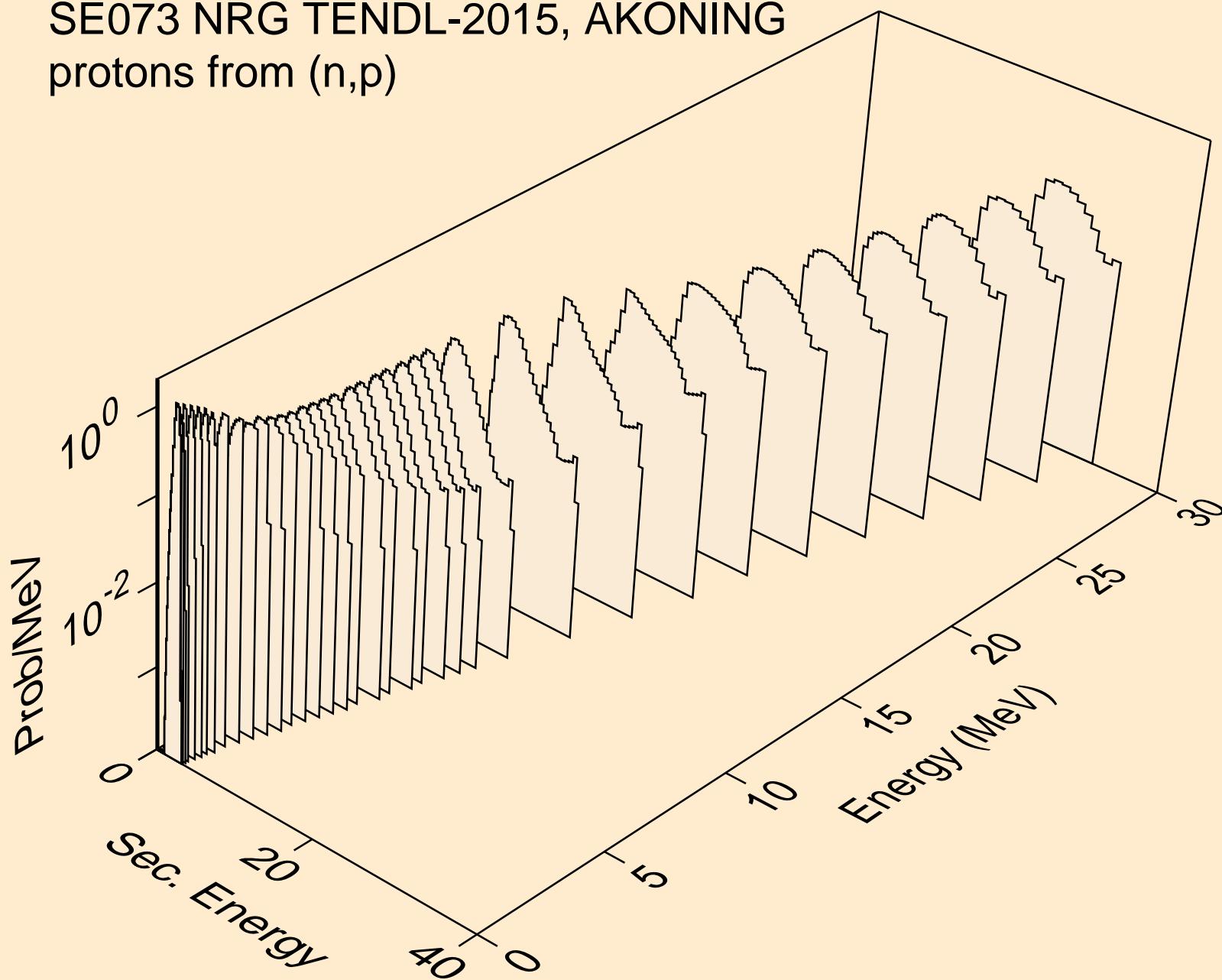
SE073 NRG TENDL-2015, AKONING  
protons from ( $n,2np$ )



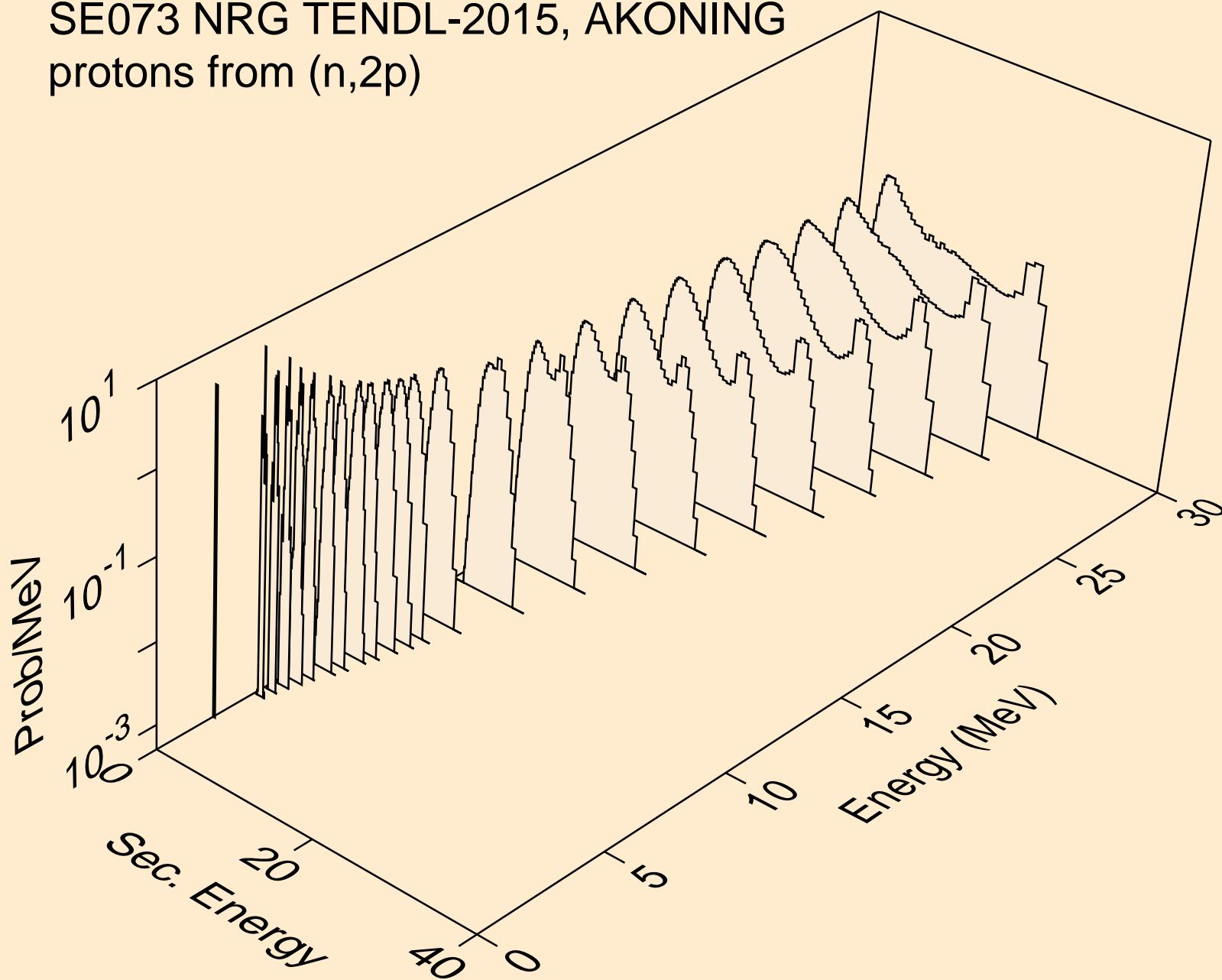
SE073 NRG TENDL-2015, AKONING  
protons from (n,npa)



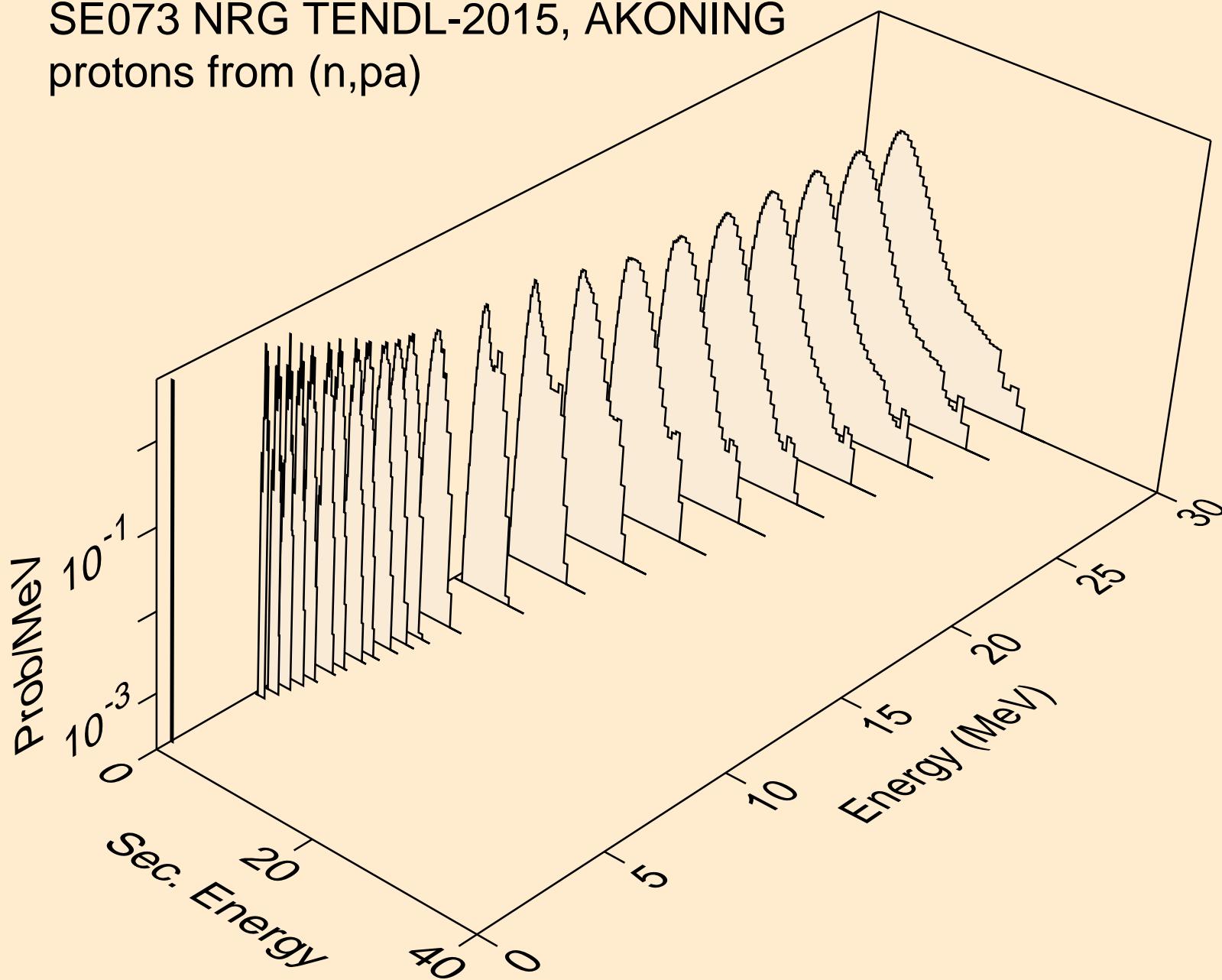
SE073 NRG TENDL-2015, AKONING  
protons from ( $n,p$ )



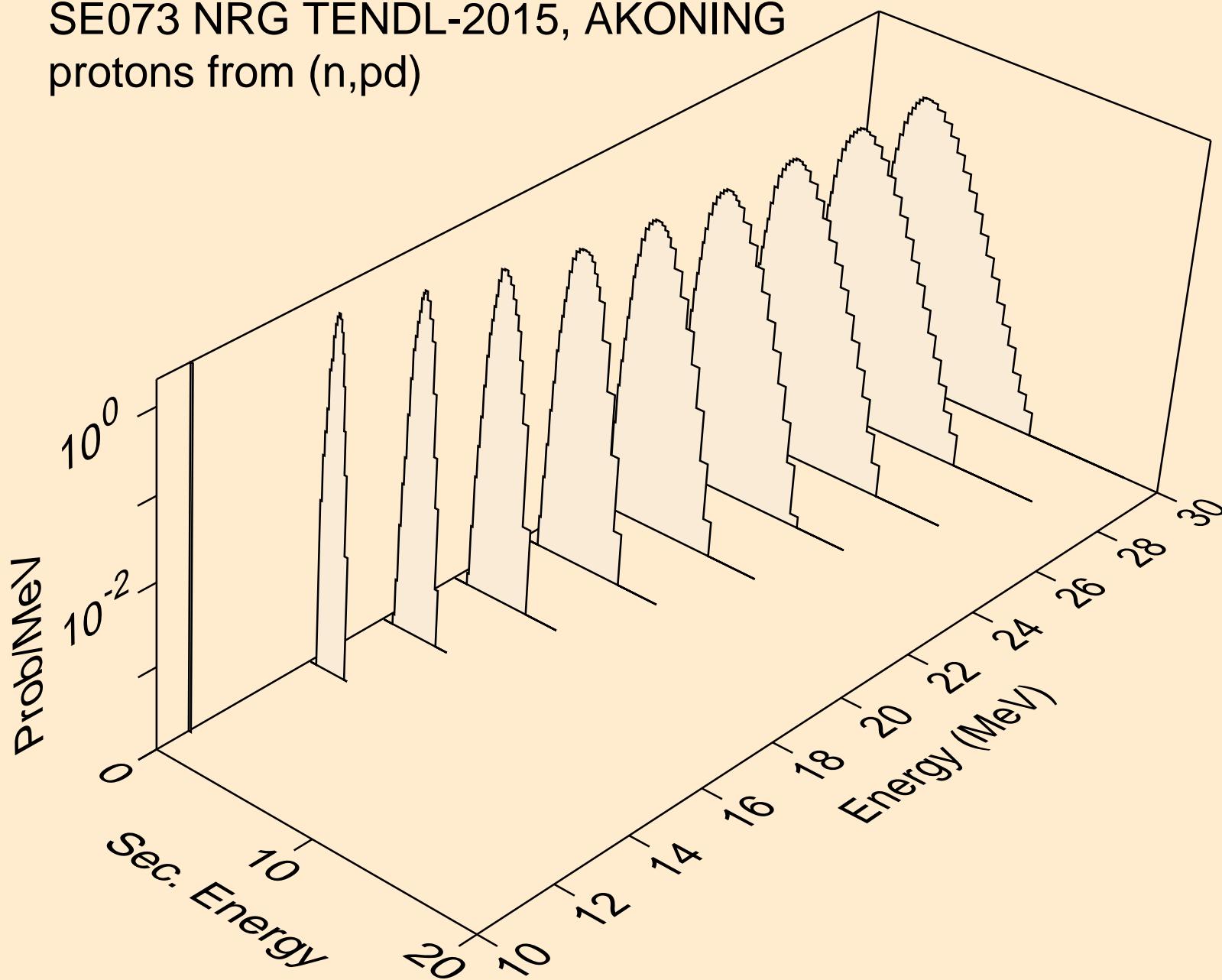
SE073 NRG TENDL-2015, AKONING  
protons from ( $n,2p$ )



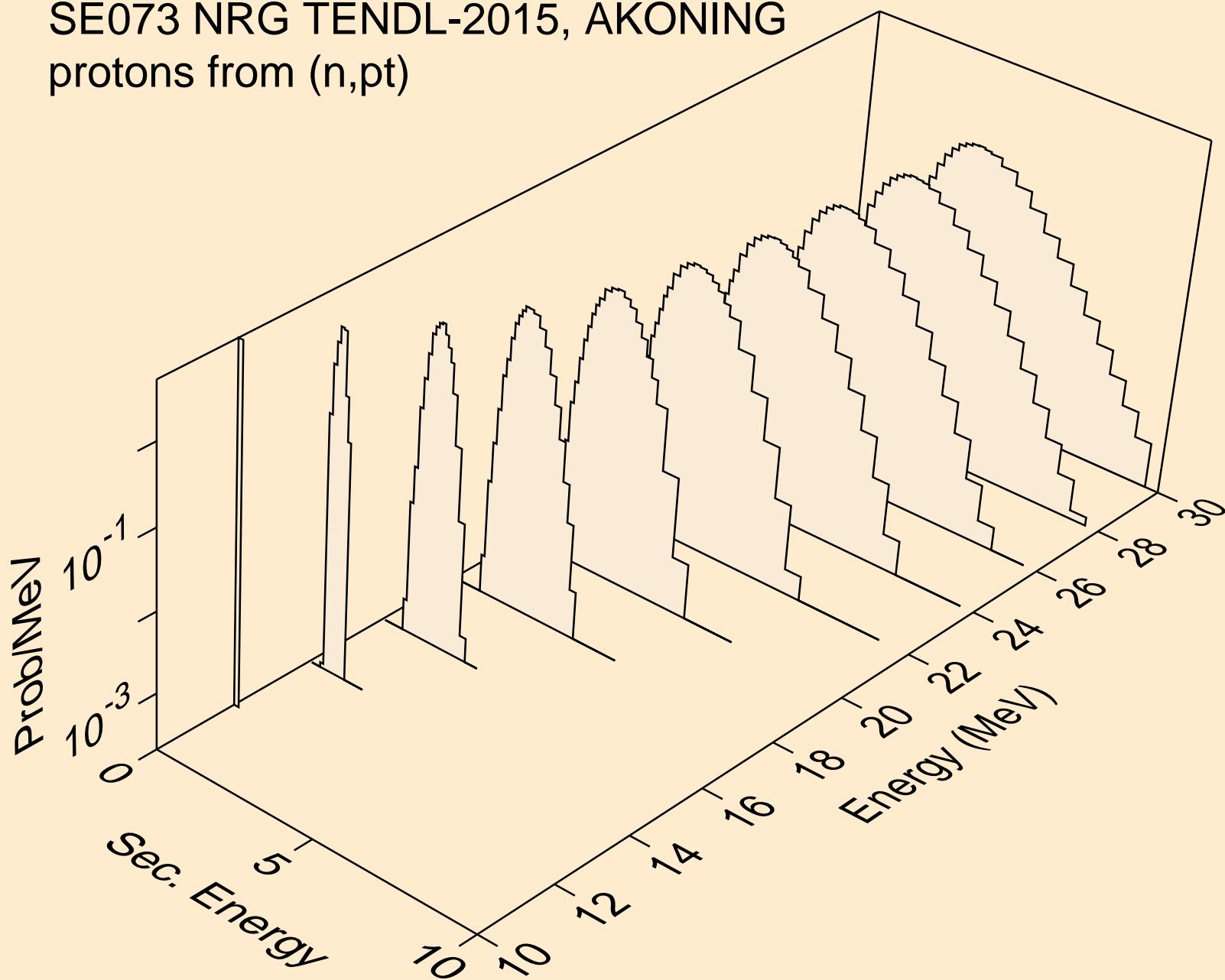
SE073 NRG TENDL-2015, AKONING  
protons from (n,pa)



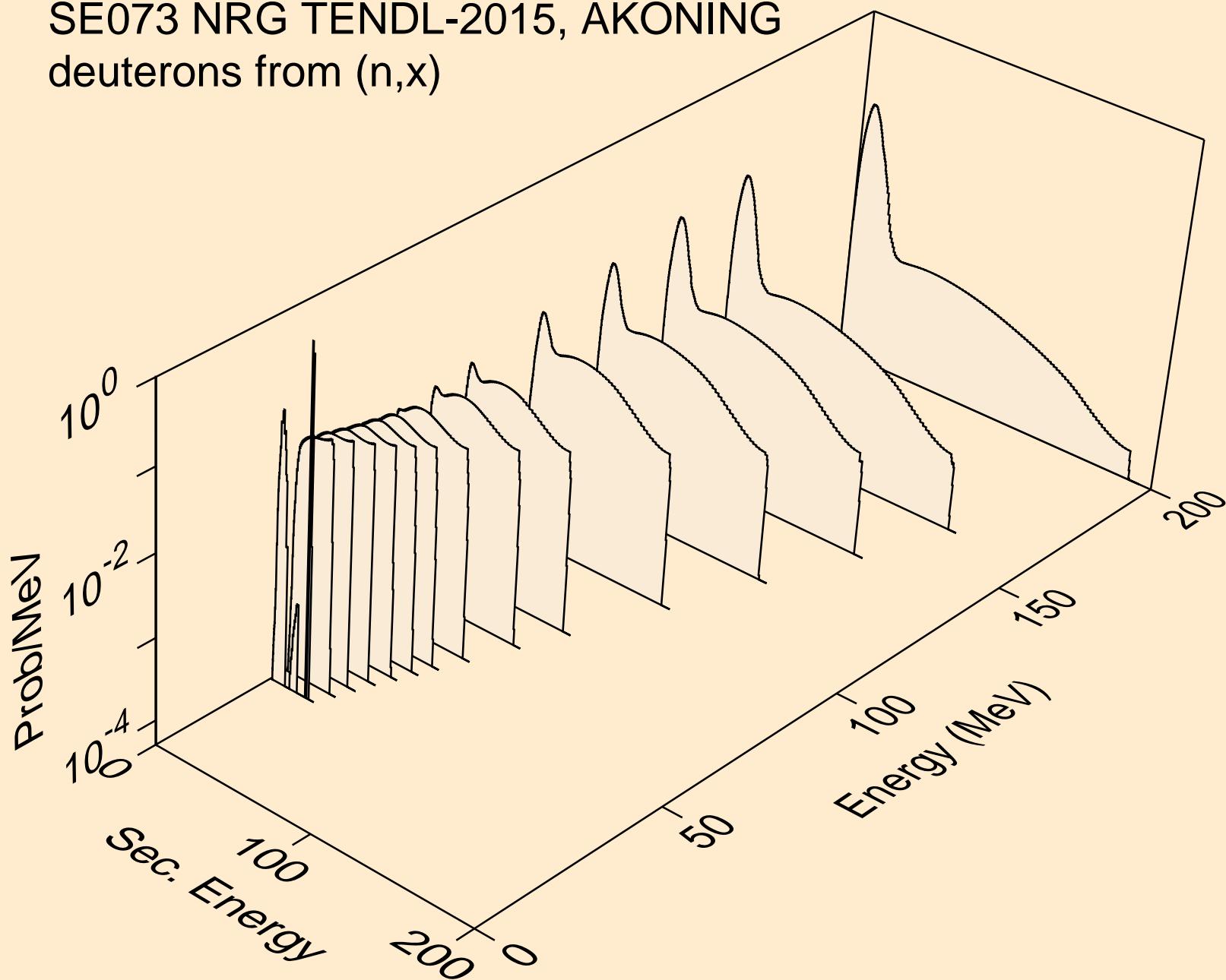
SE073 NRG TENDL-2015, AKONING  
protons from (n,pd)



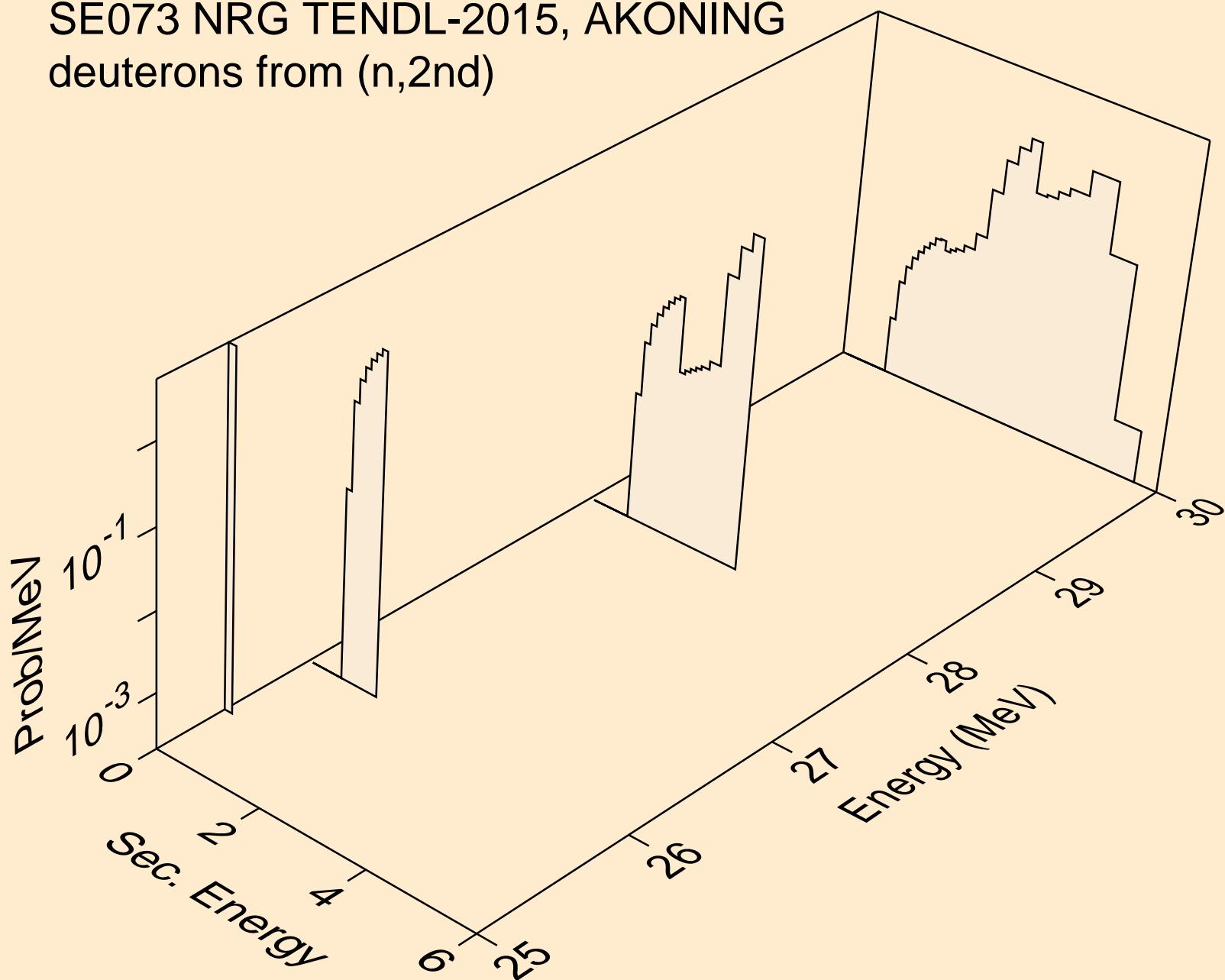
SE073 NRG TENDL-2015, AKONING  
protons from (n,pt)



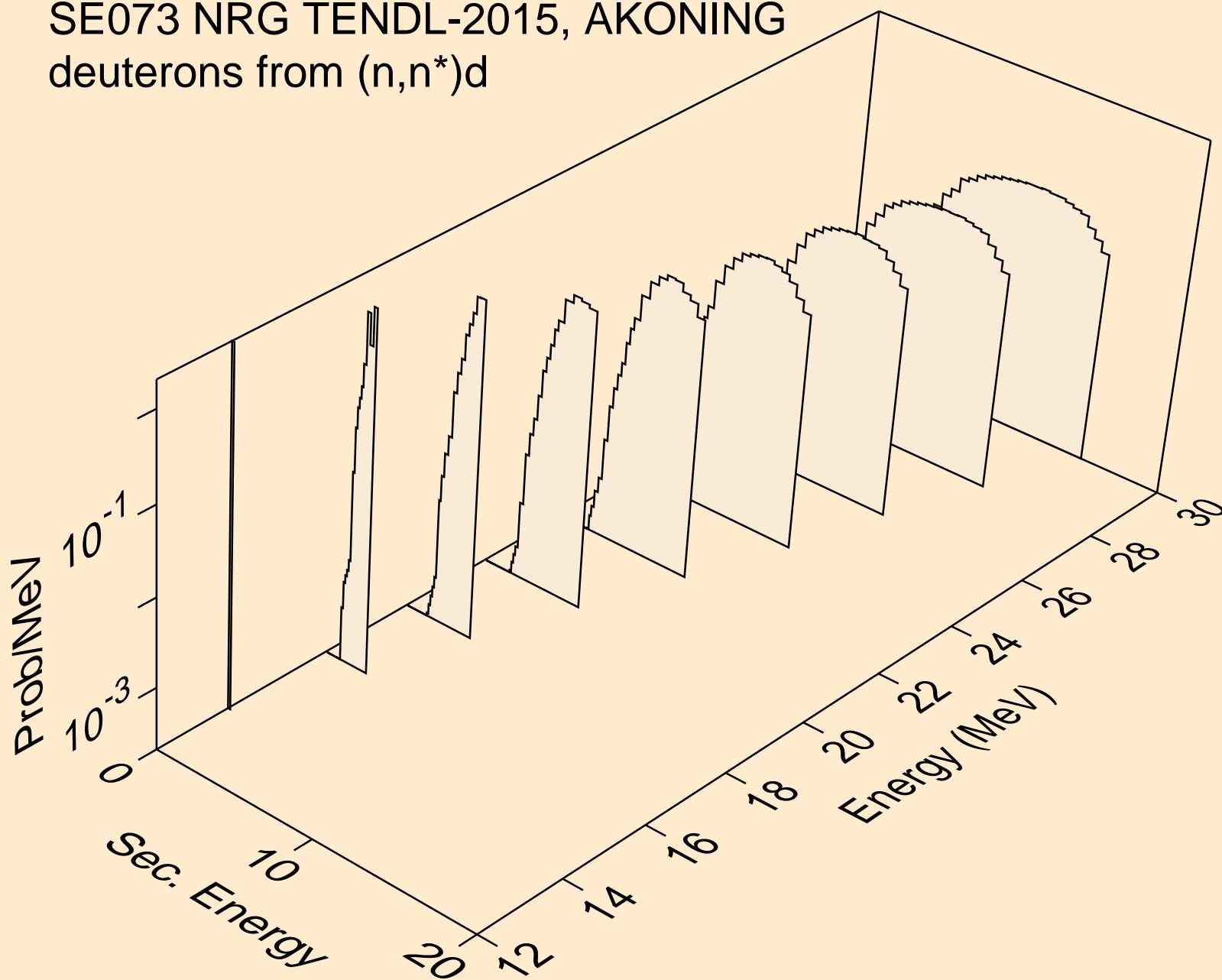
SE073 NRG TENDL-2015, AKONING  
deuterons from ( $n, x$ )



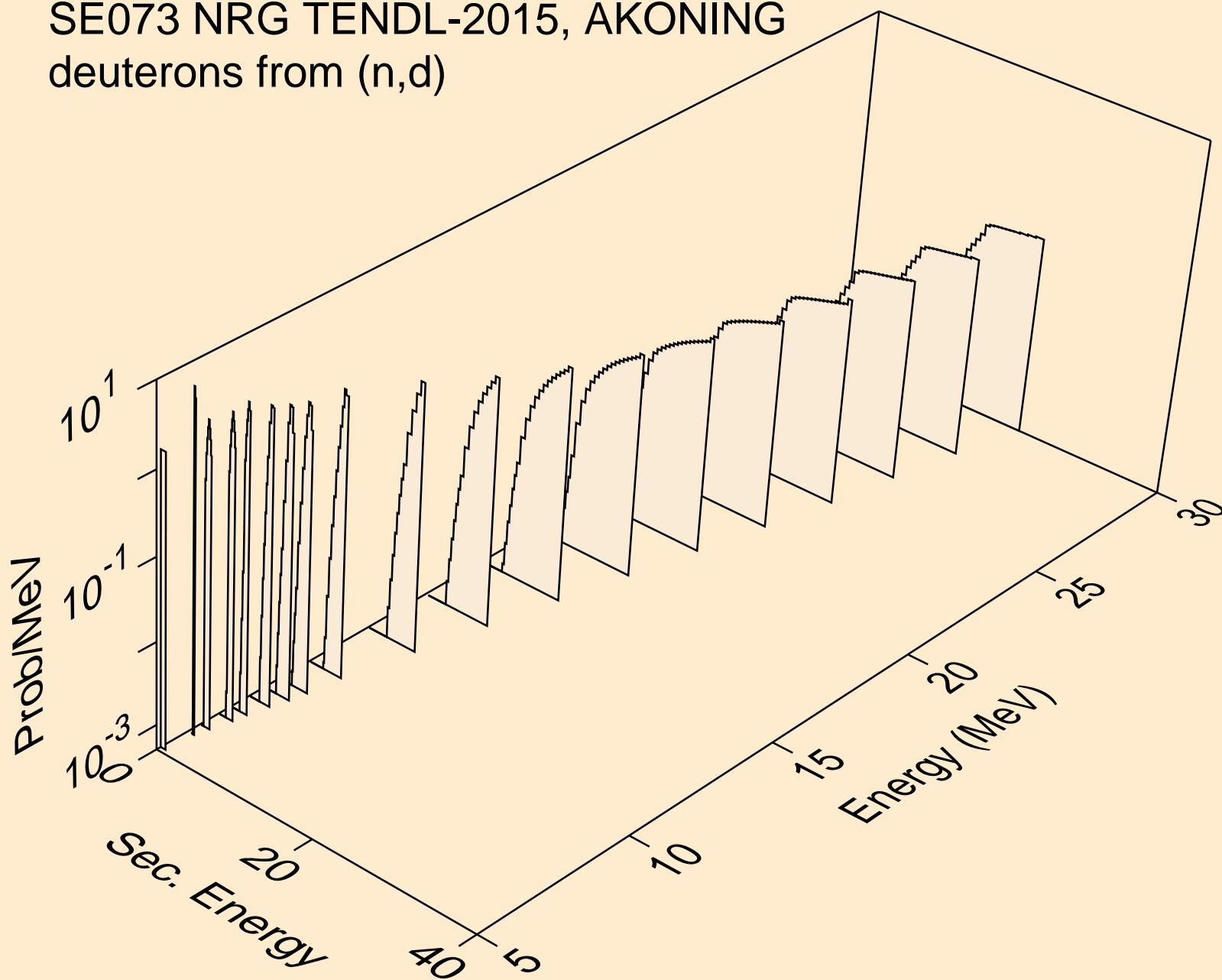
SE073 NRG TENDL-2015, AKONING  
deuterons from ( $n,2nd$ )



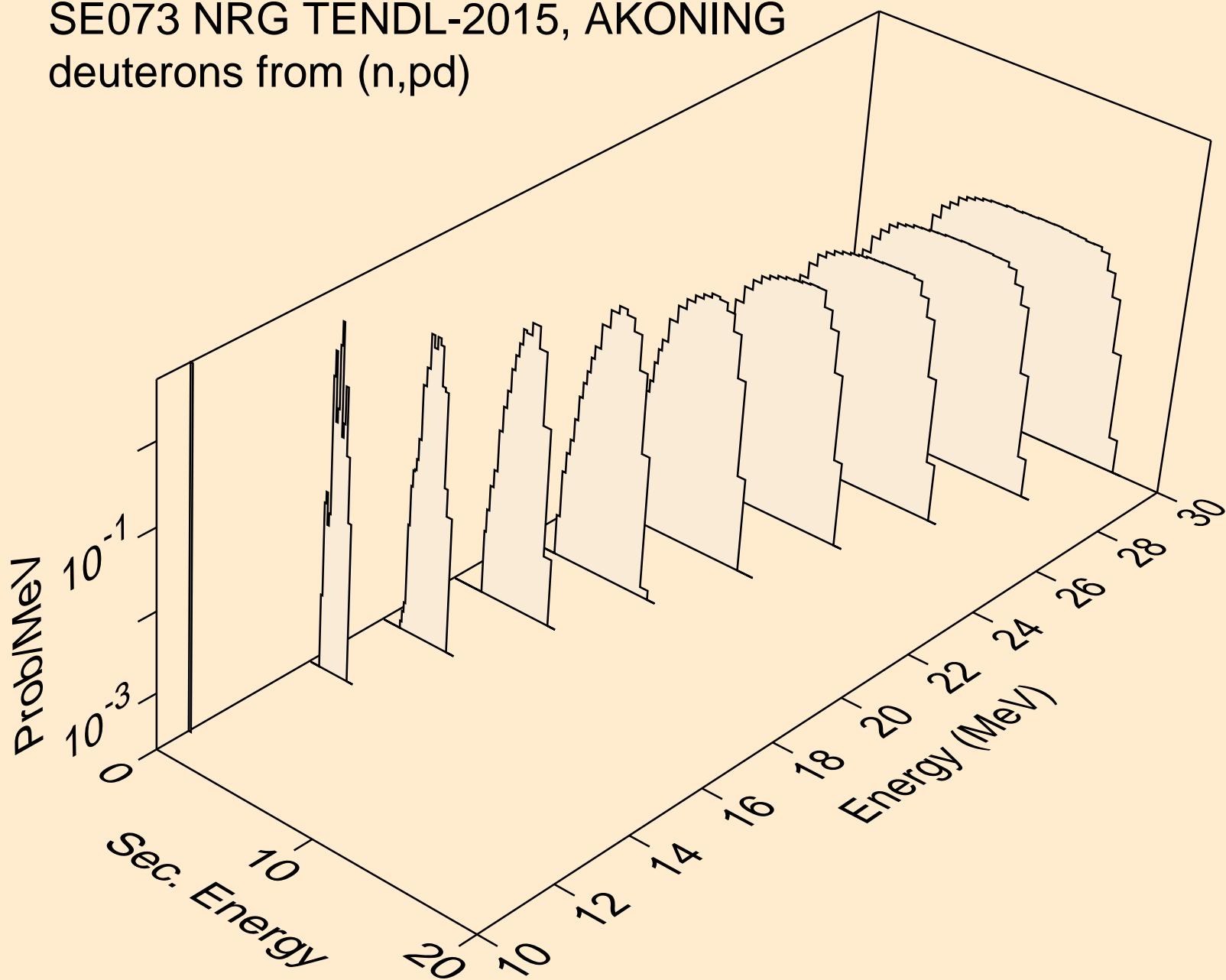
SE073 NRG TENDL-2015, AKONING  
deuterons from ( $n, n^*$ )d



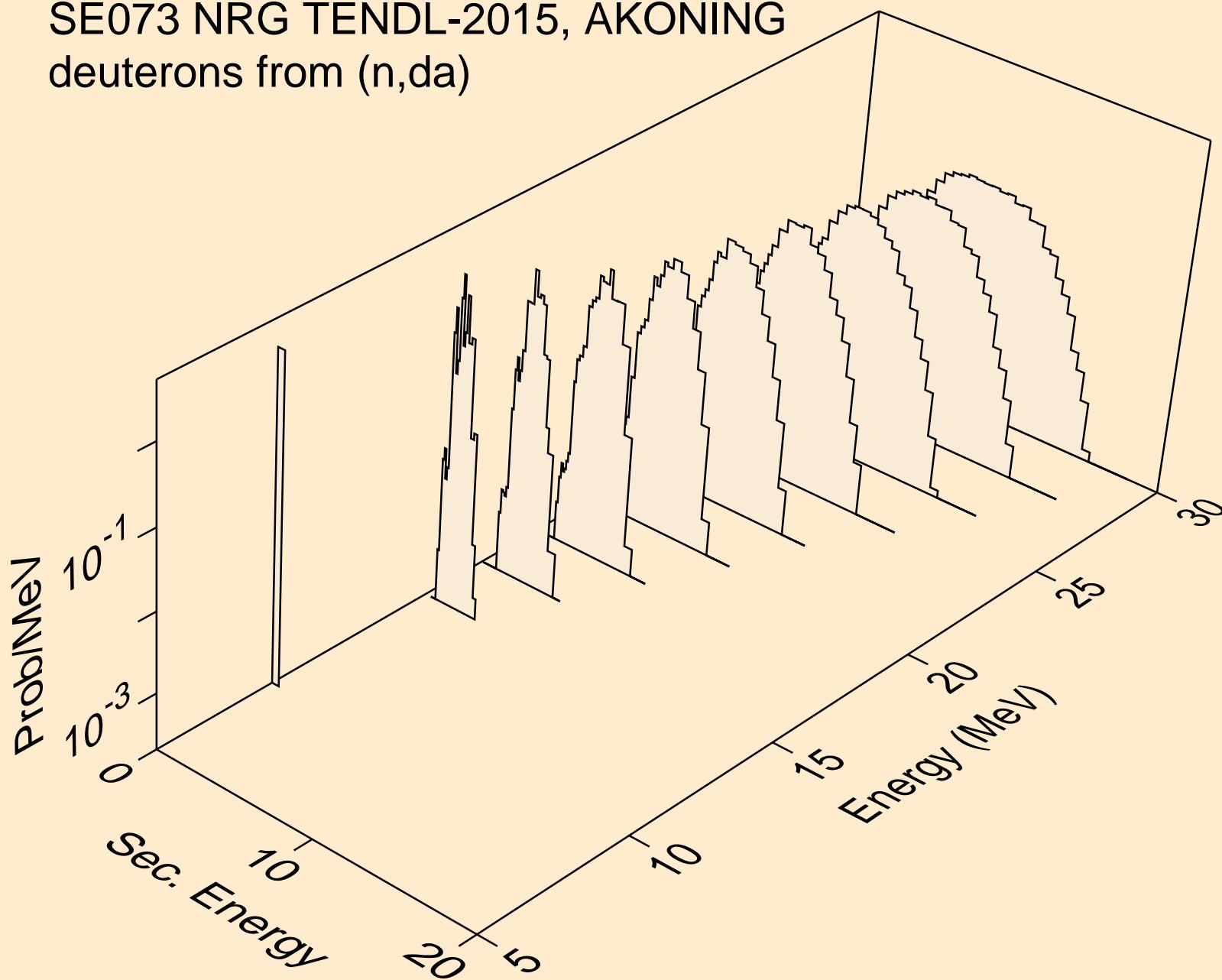
SE073 NRG TENDL-2015, AKONING  
deuterons from ( $n, d$ )



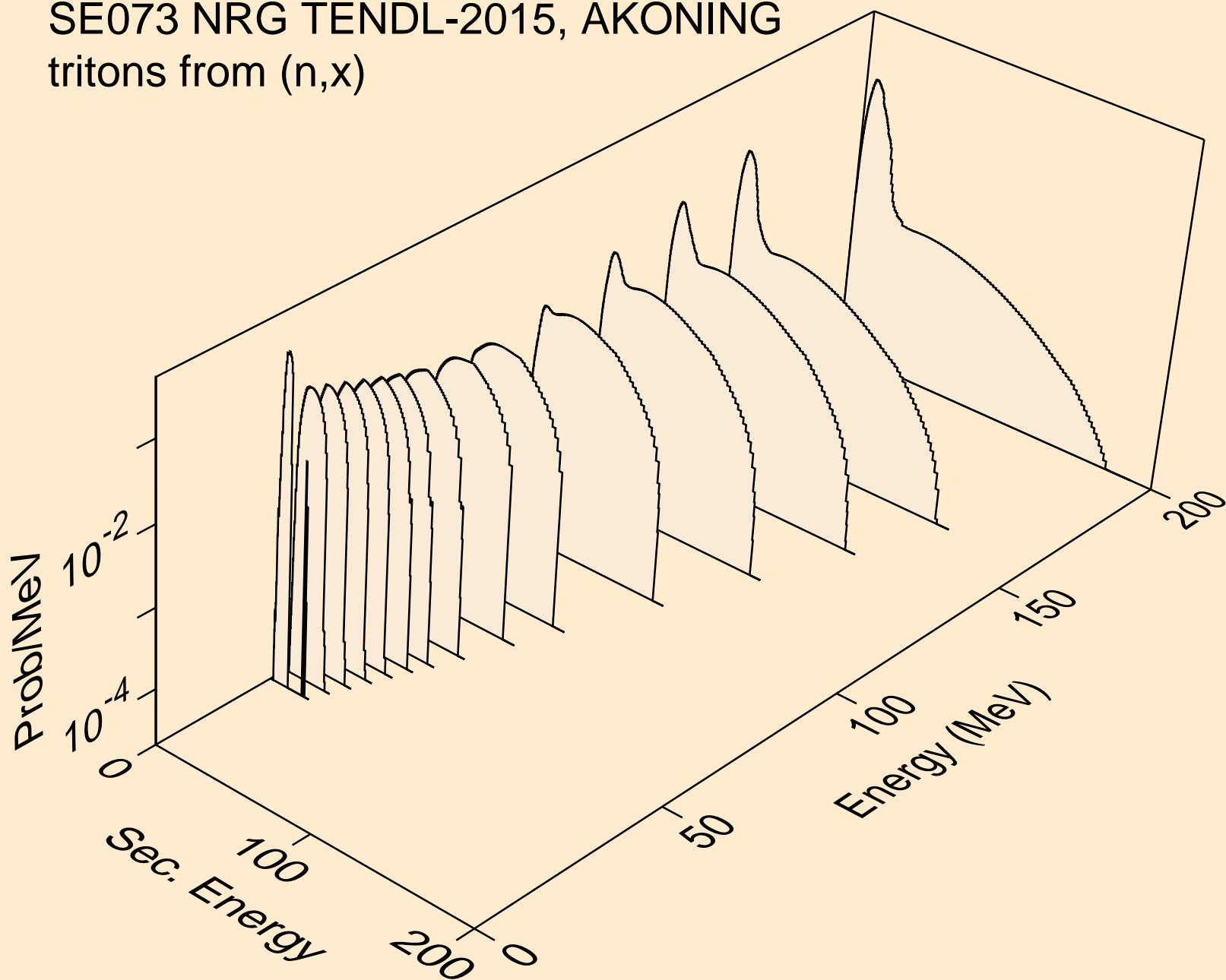
SE073 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



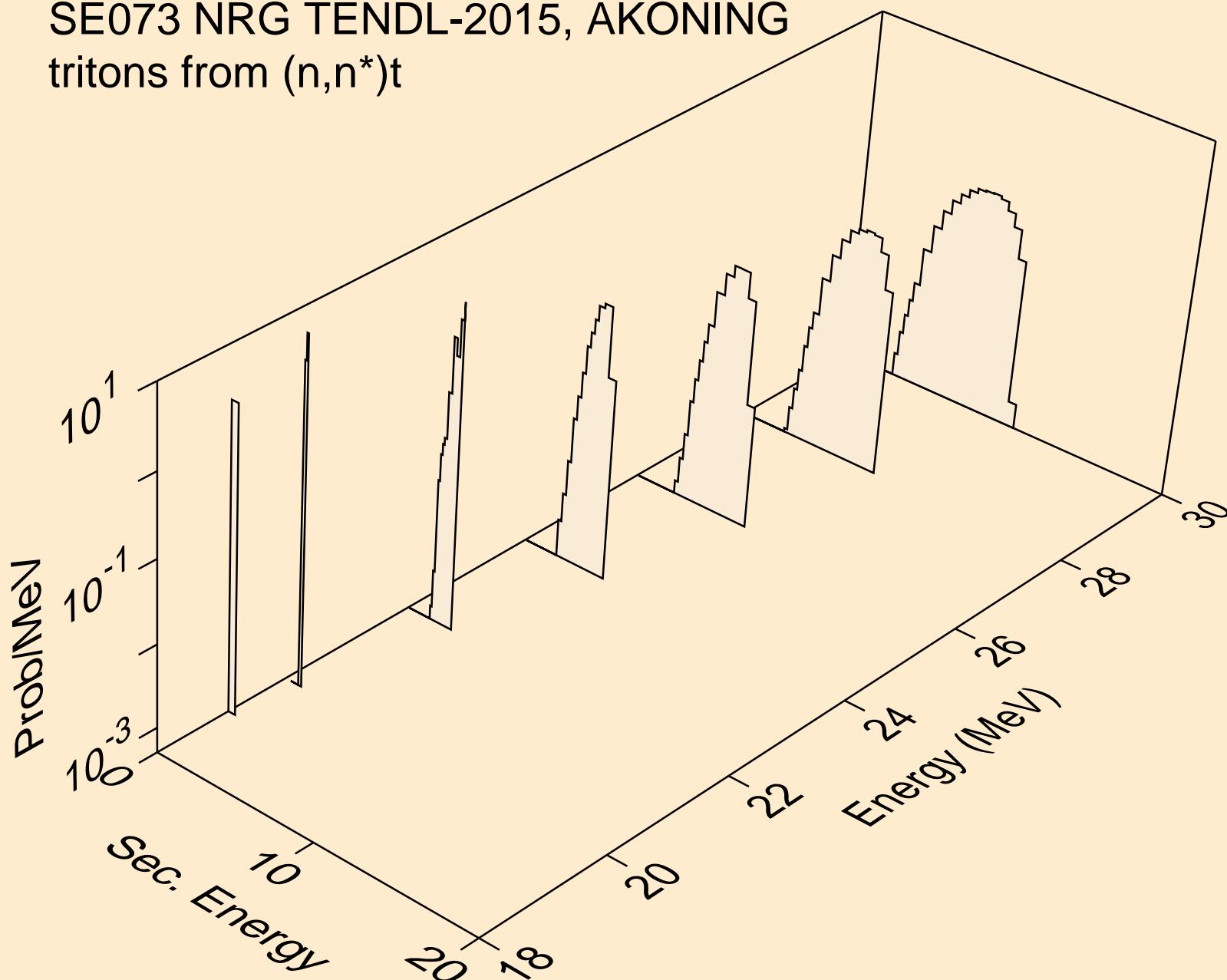
SE073 NRG TENDL-2015, AKONING  
deuterons from (n,da)



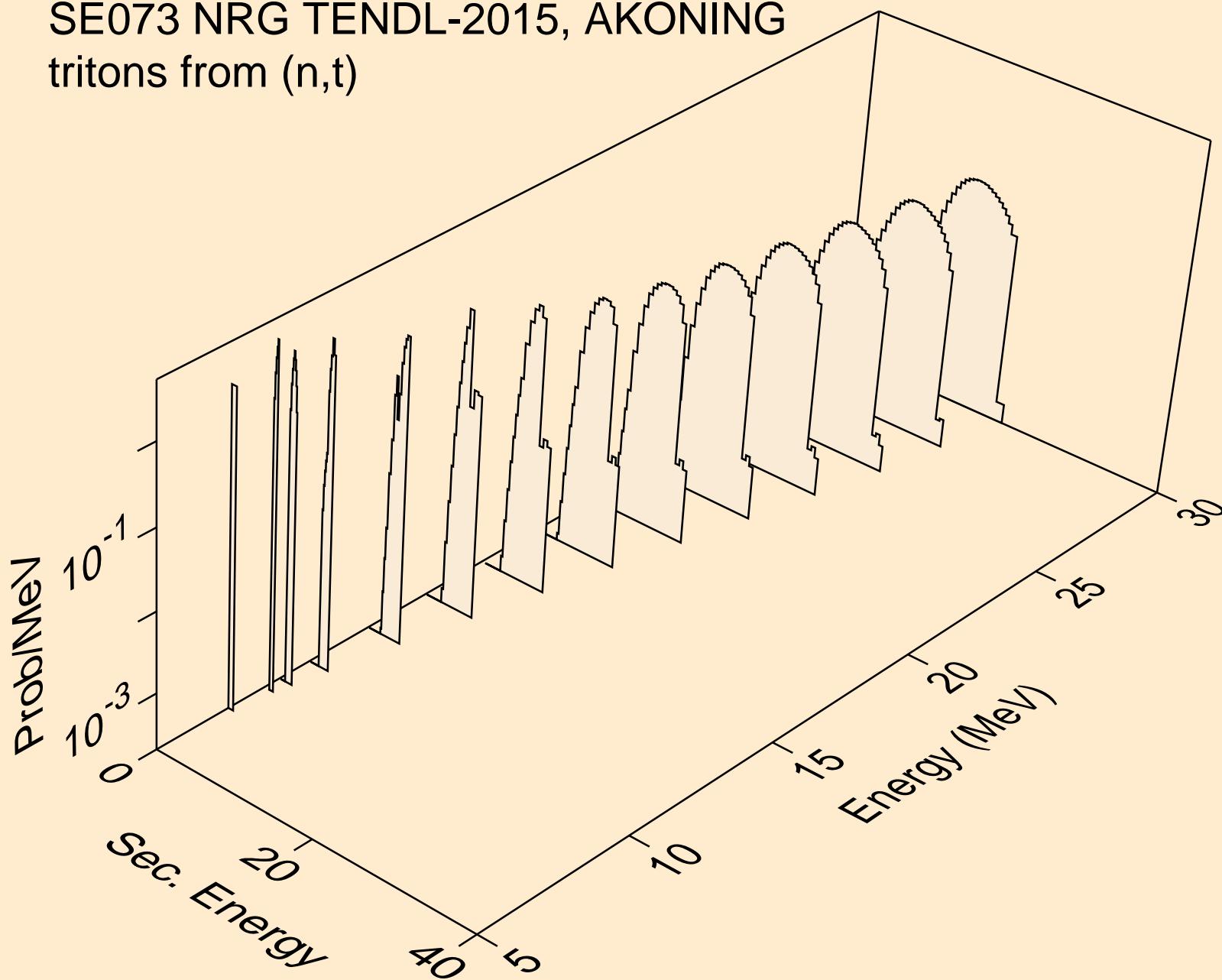
SE073 NRG TENDL-2015, AKONING  
tritons from ( $n,x$ )



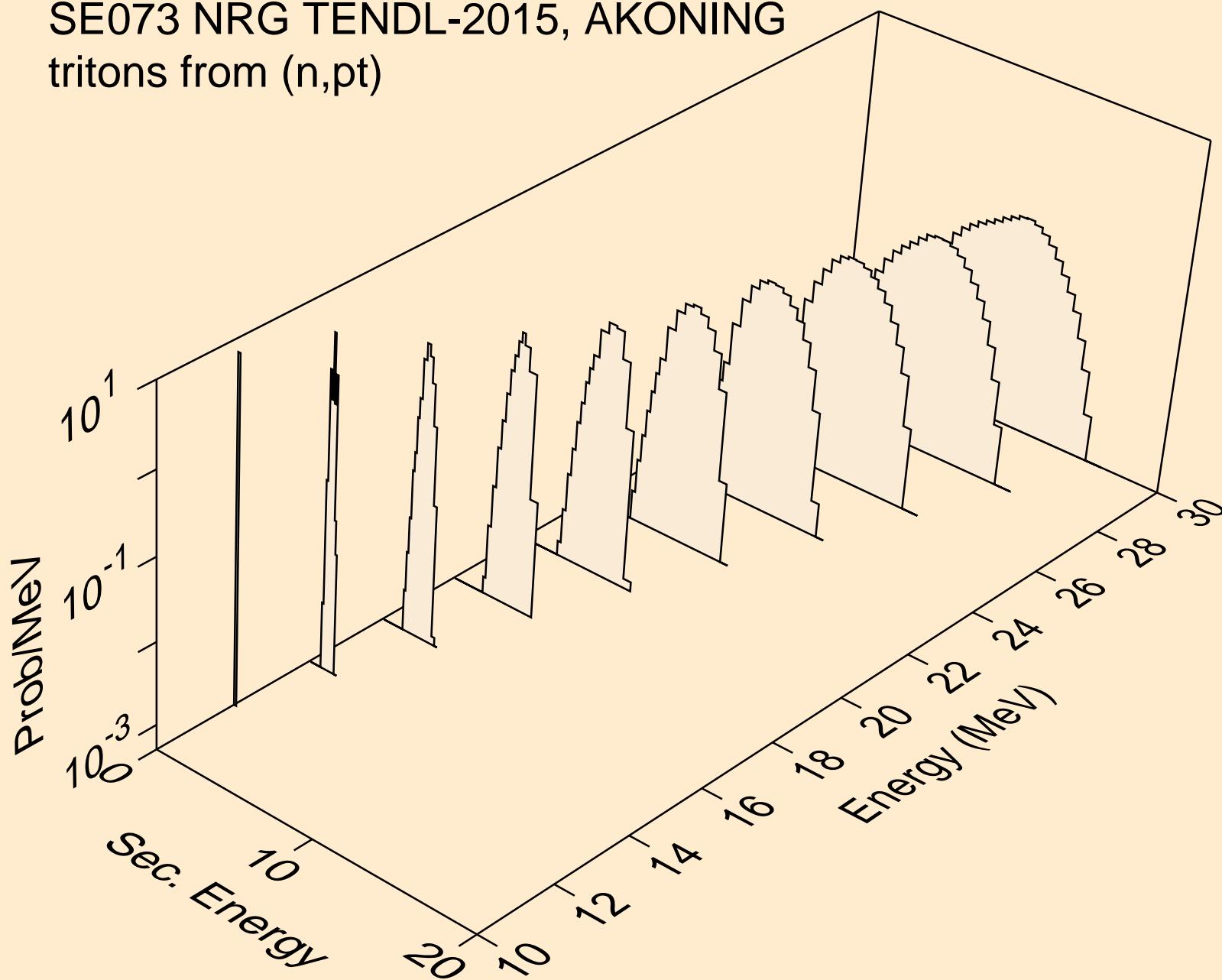
SE073 NRG TENDL-2015, AKONING  
tritons from  $(n,n^*)t$



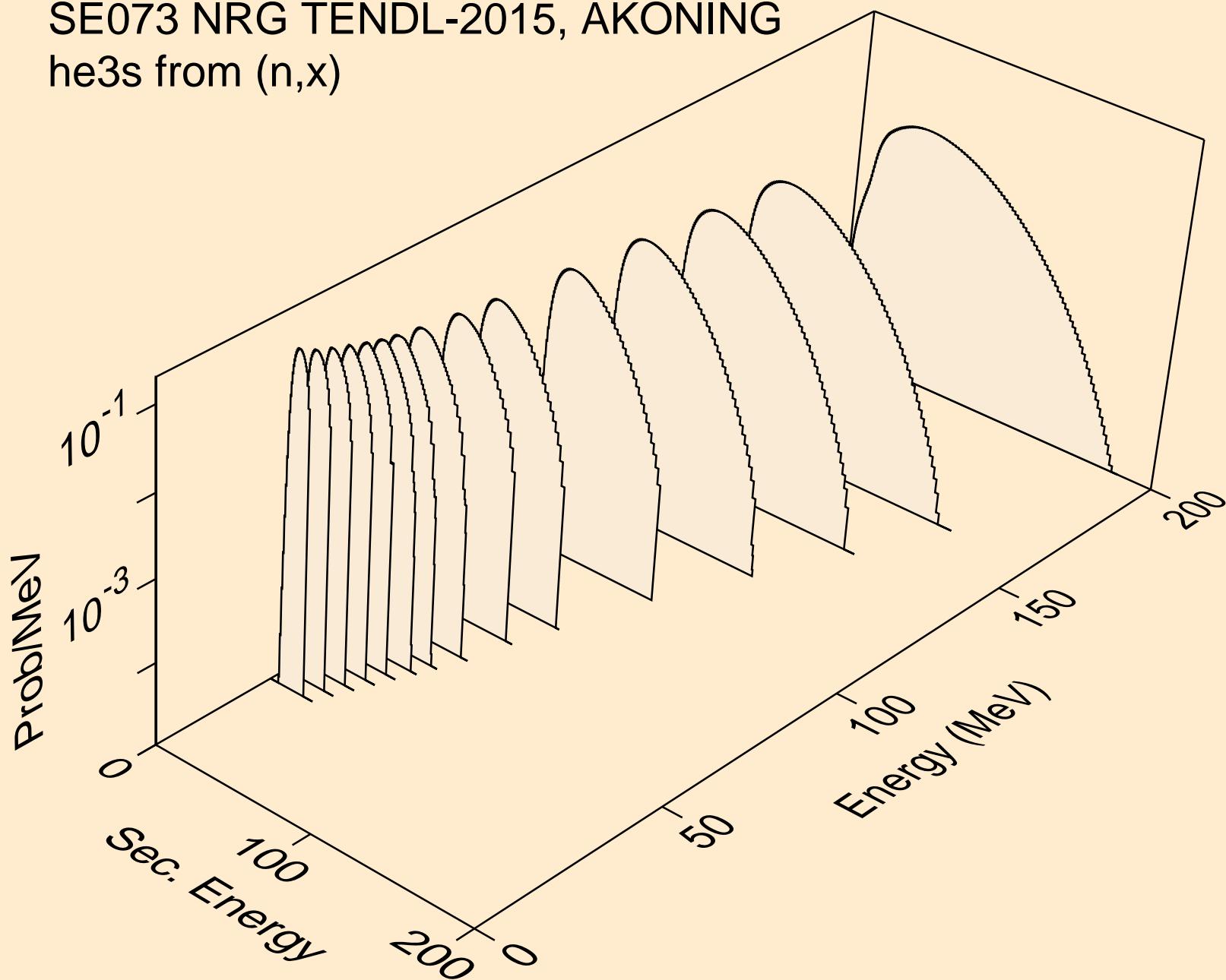
SE073 NRG TENDL-2015, AKONING  
tritons from ( $n, t$ )



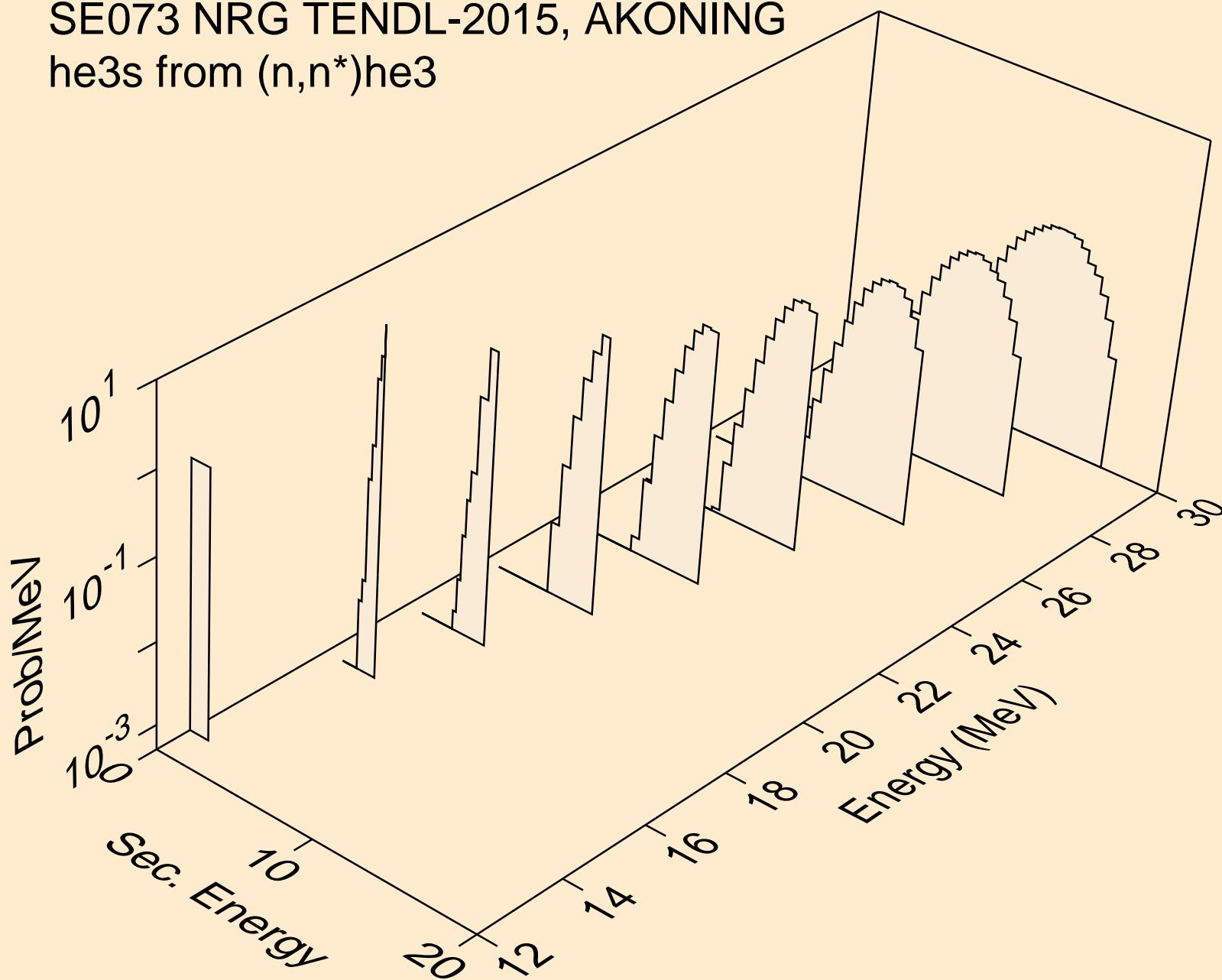
SE073 NRG TENDL-2015, AKONING  
tritons from (n,pt)



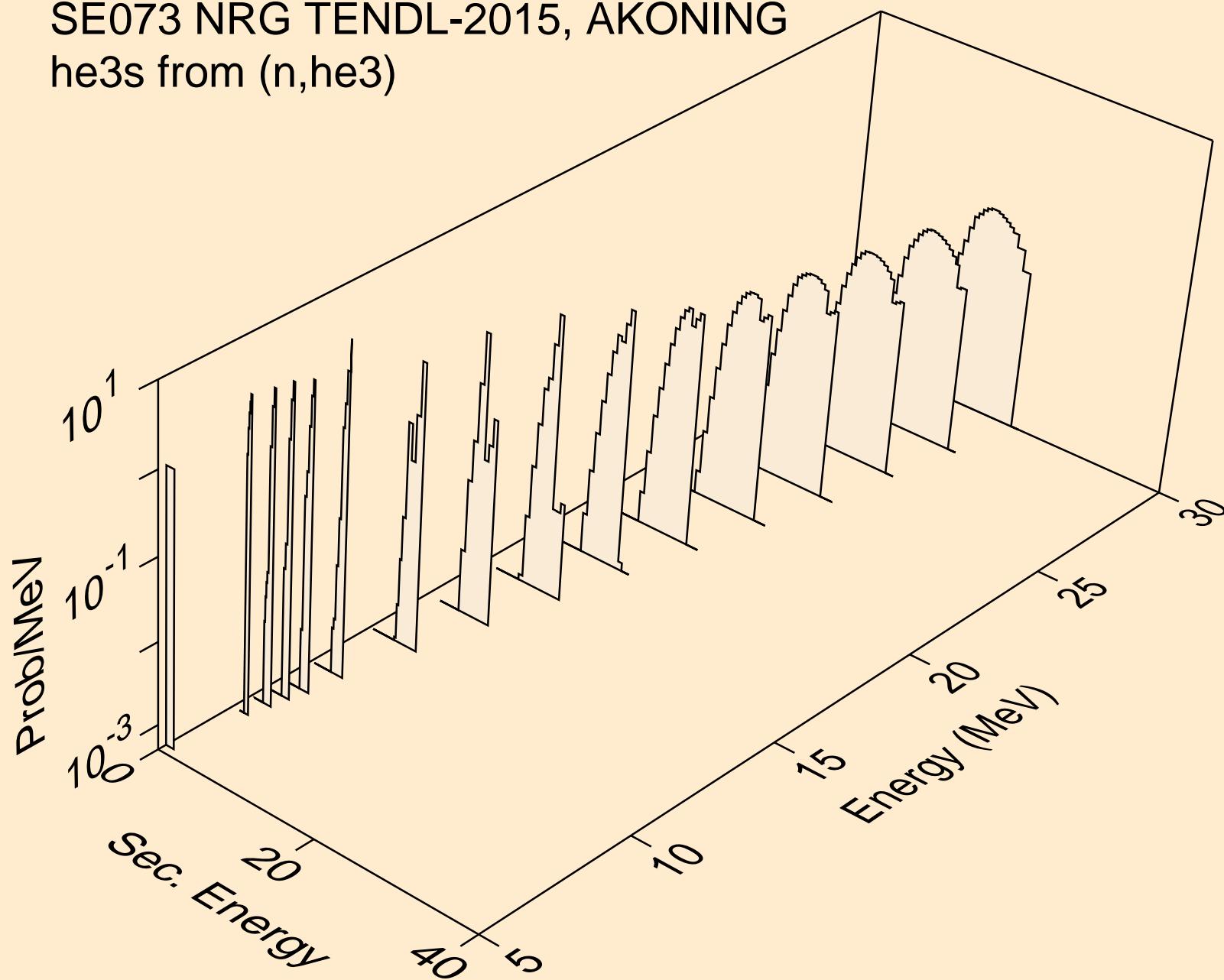
SE073 NRG TENDL-2015, AKONING  
he3s from (n,x)



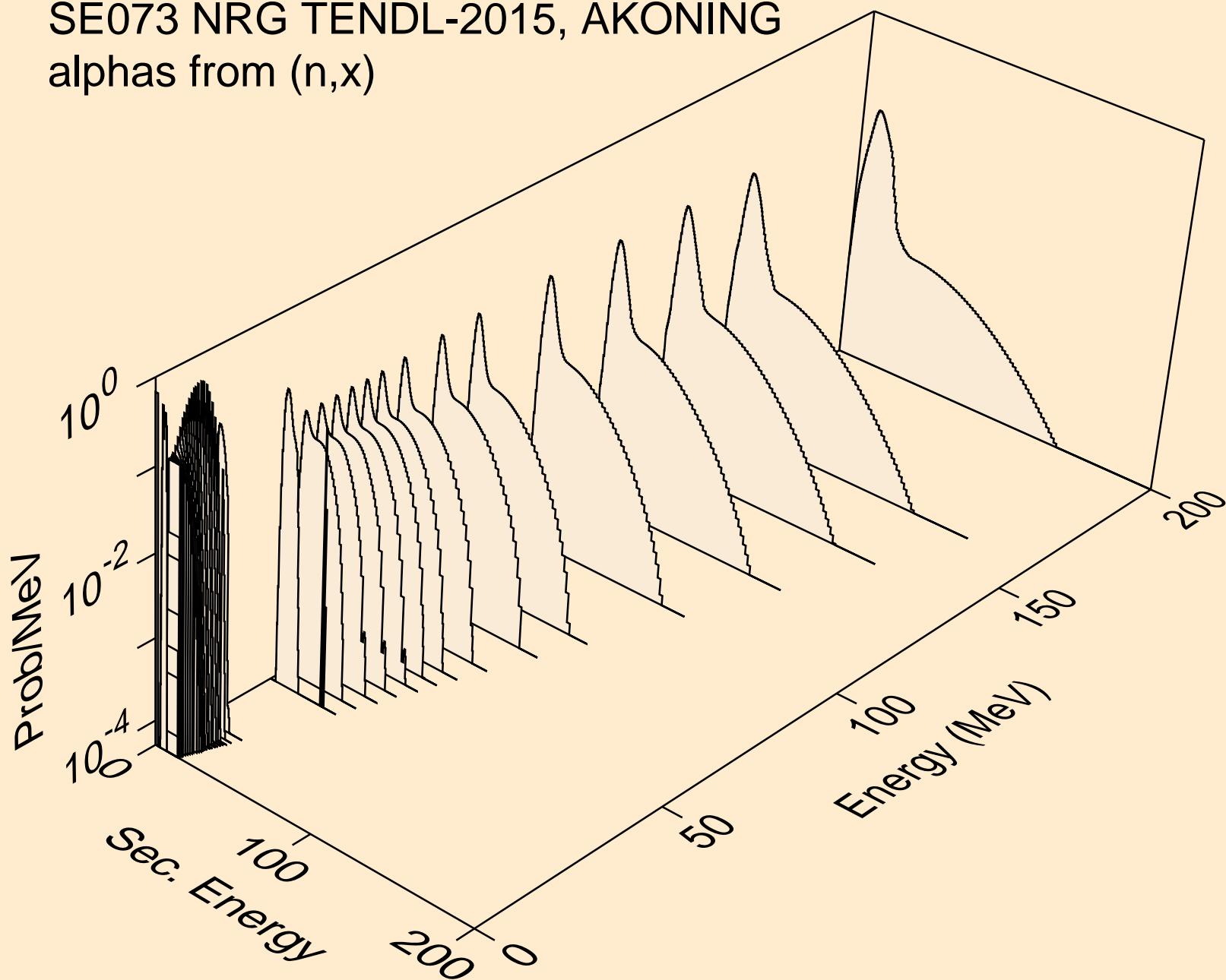
SE073 NRG TENDL-2015, AKONING  
he3s from  $(n,n^*)\text{he3}$



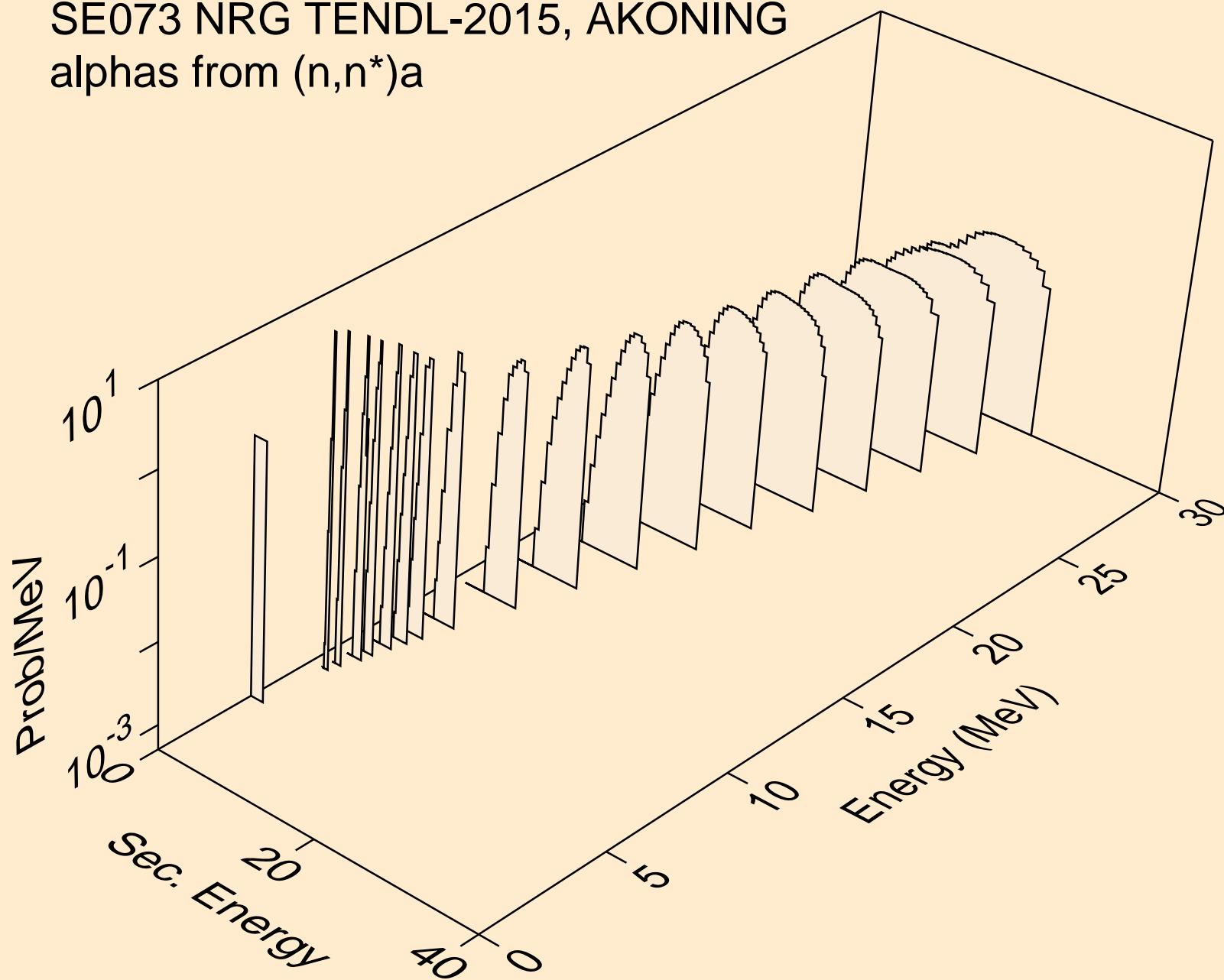
SE073 NRG TENDL-2015, AKONING  
he3s from (n,he3)



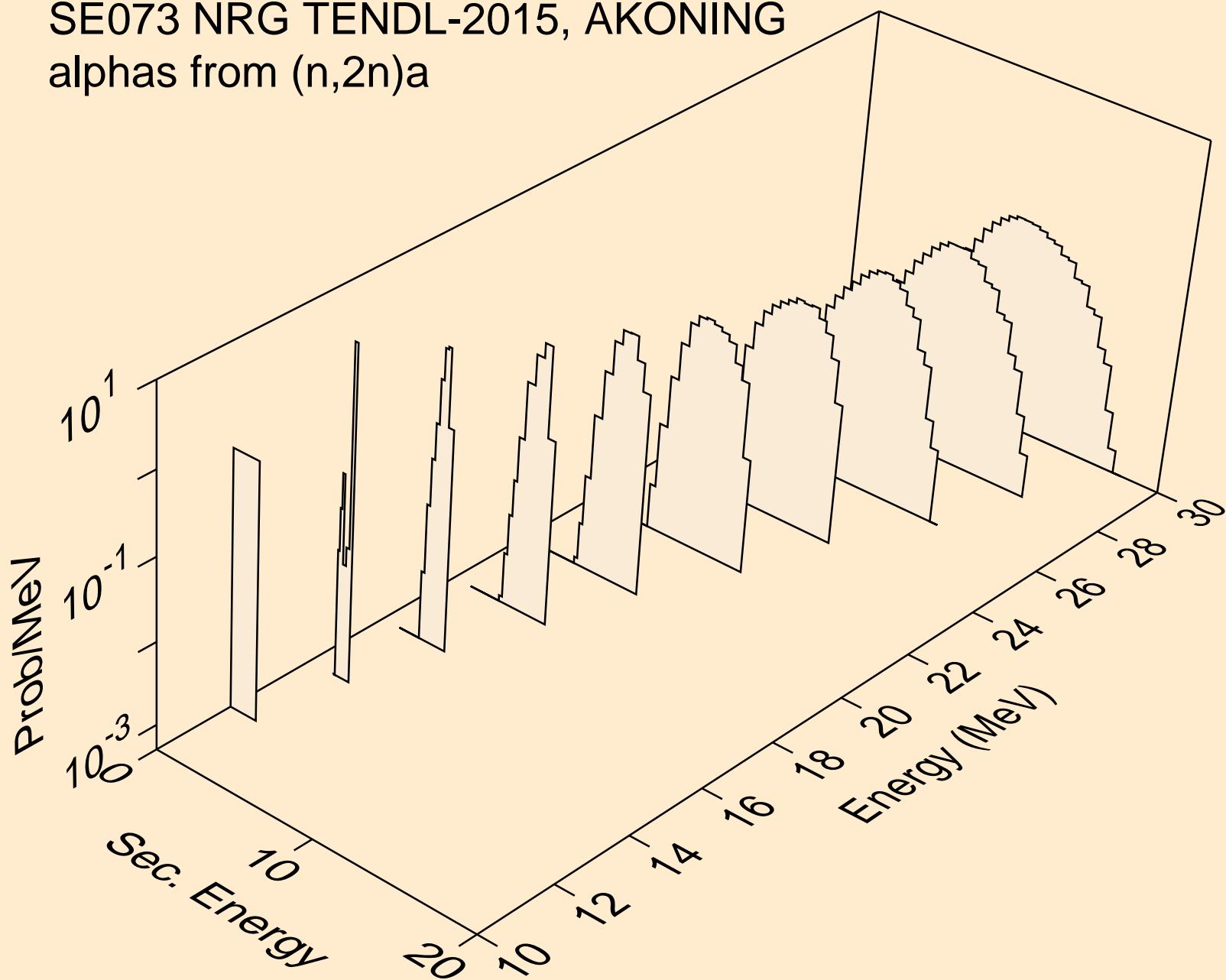
SE073 NRG TENDL-2015, AKONING  
alphas from (n,x)



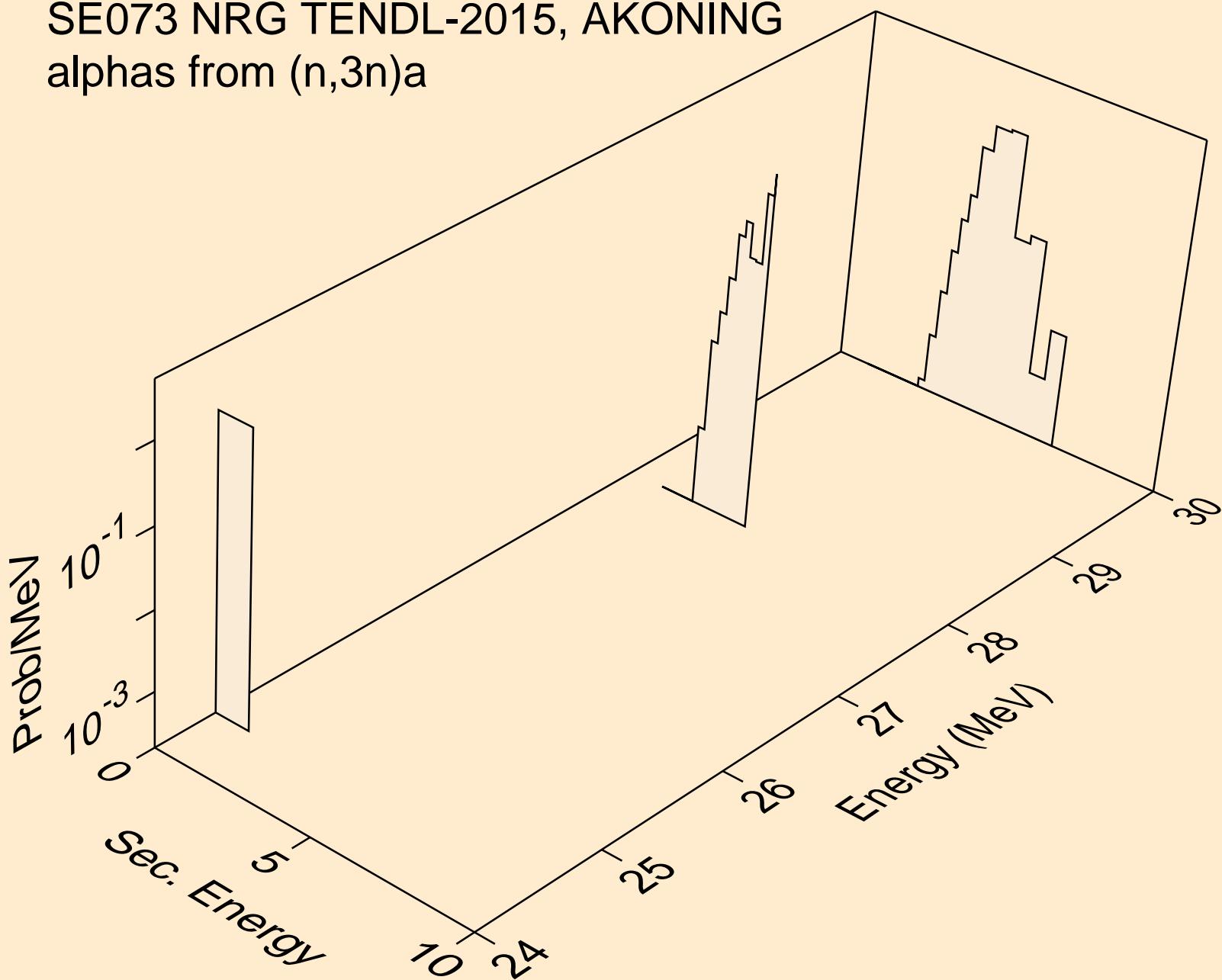
SE073 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)a$



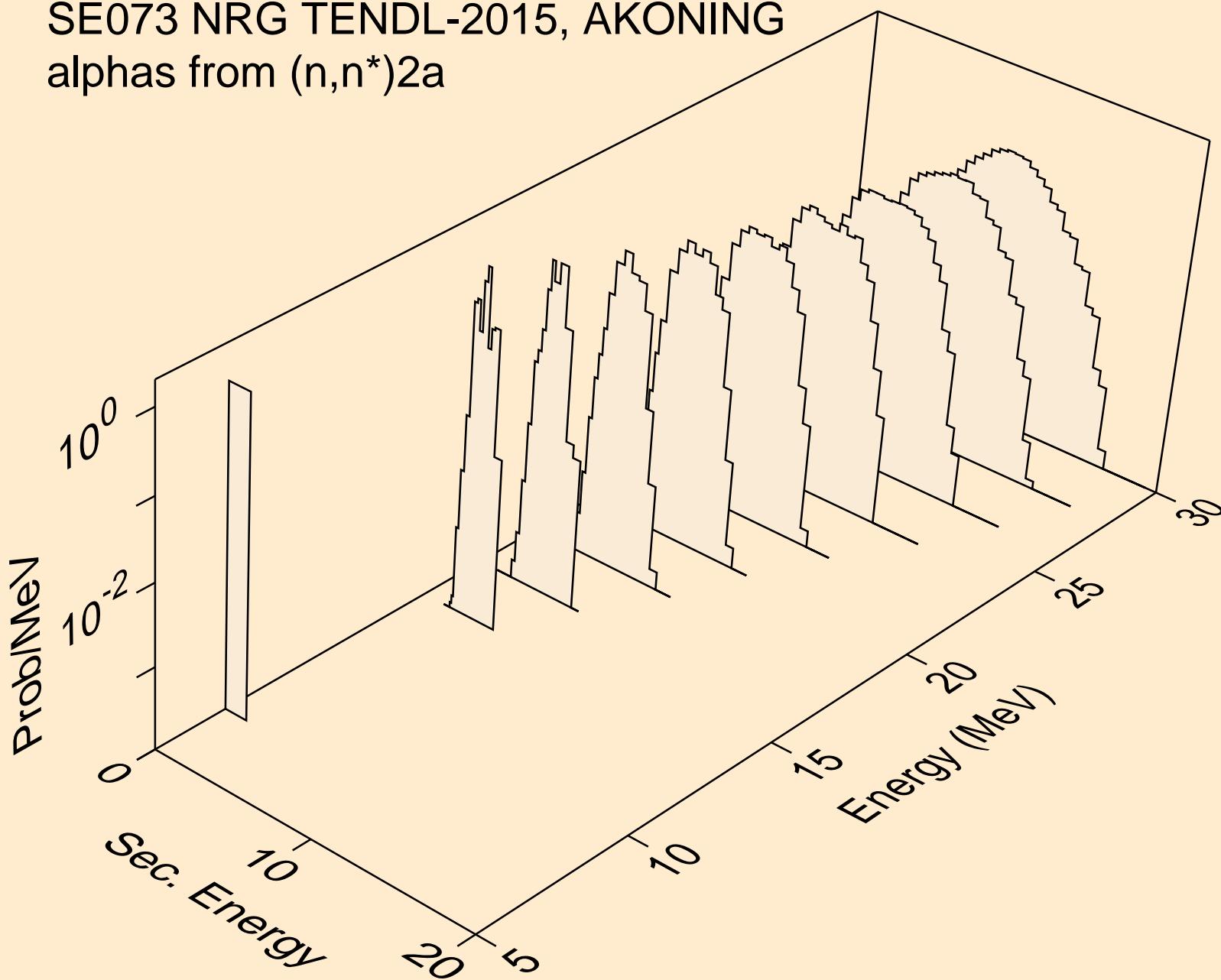
SE073 NRG TENDL-2015, AKONING  
alphas from ( $n,2n$ )a



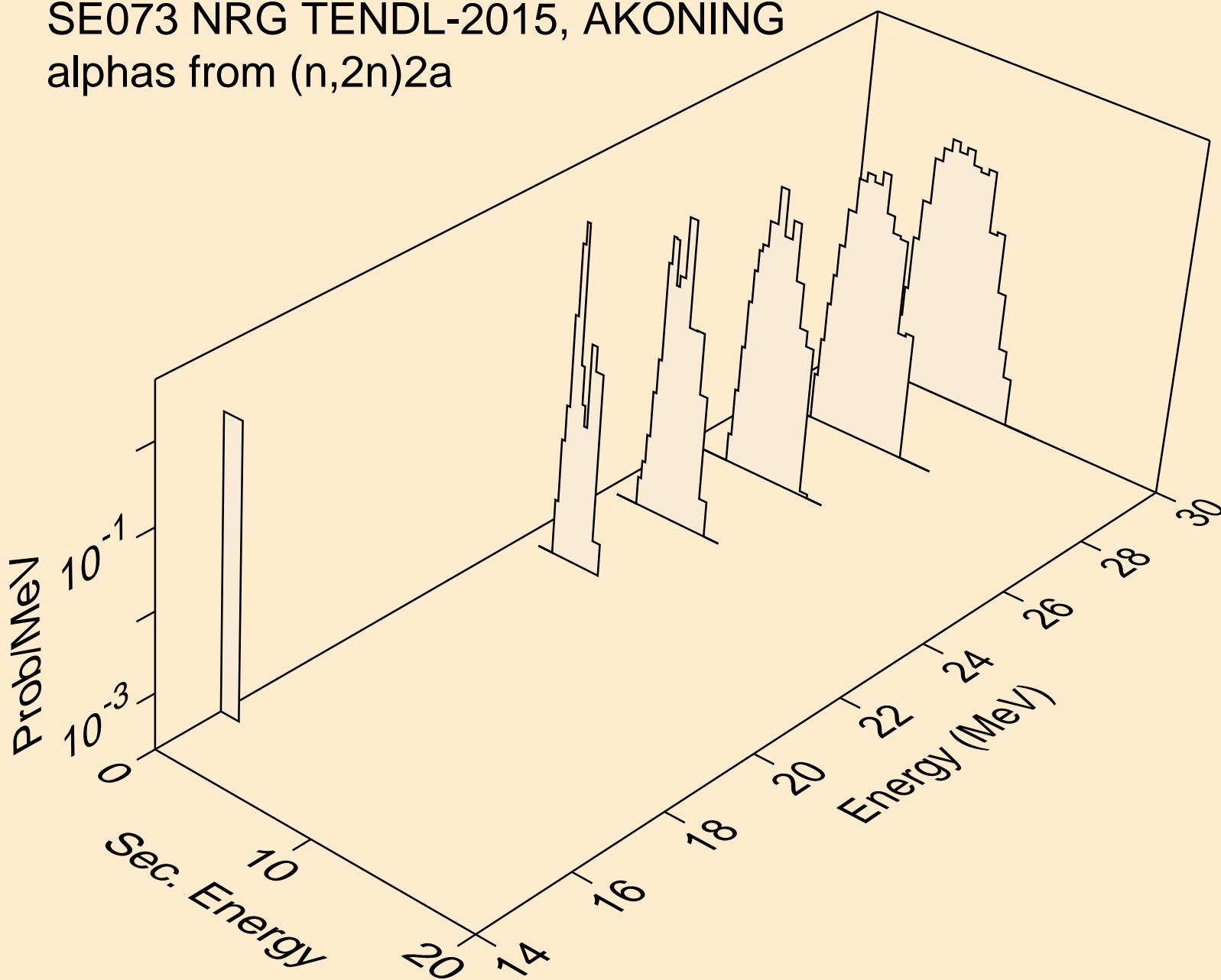
SE073 NRG TENDL-2015, AKONING  
alphas from ( $n,3n$ )a



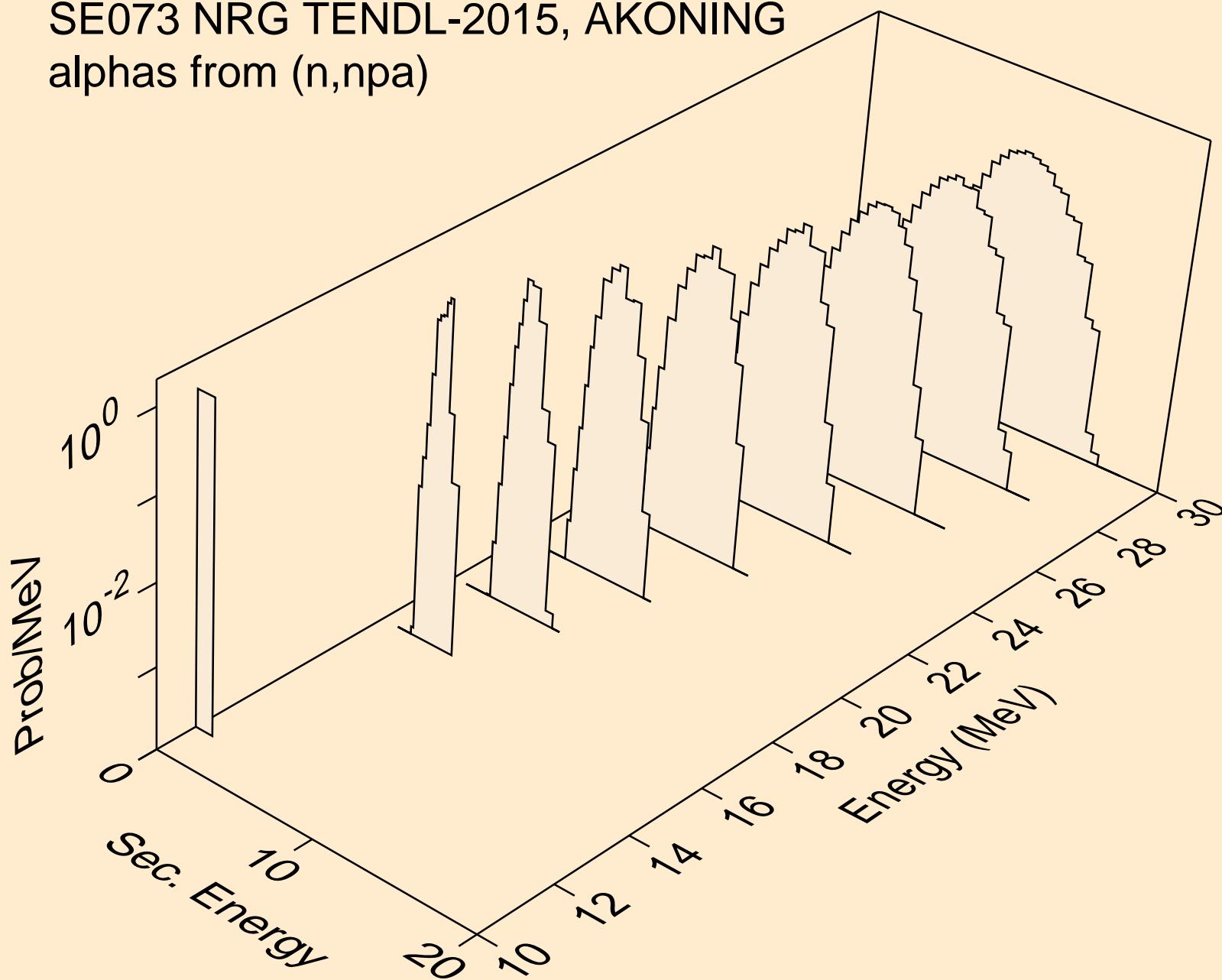
SE073 NRG TENDL-2015, AKONING  
alphas from  $(n,n^*)2a$



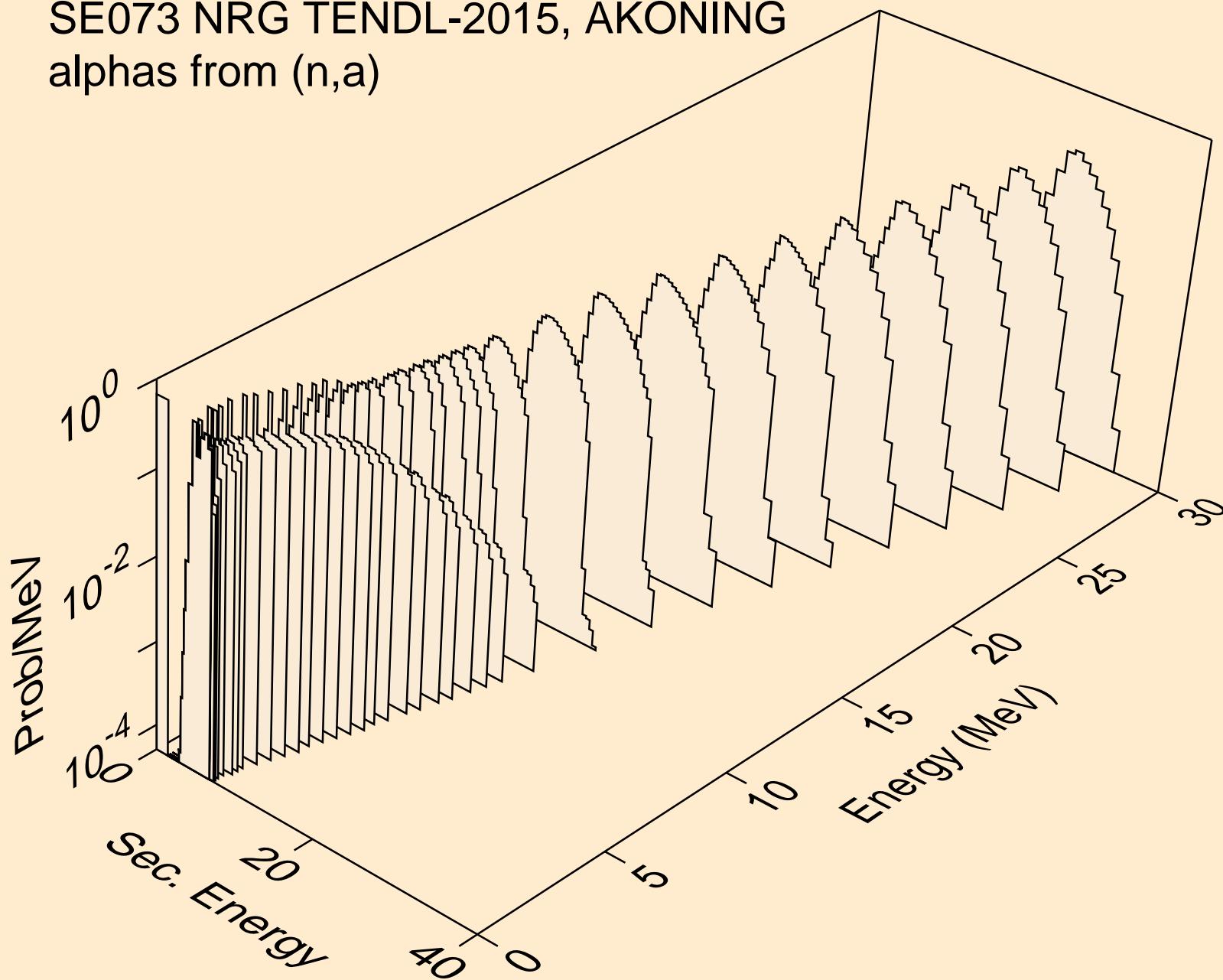
SE073 NRG TENDL-2015, AKONING  
alphas from ( $n,2n$ )2a



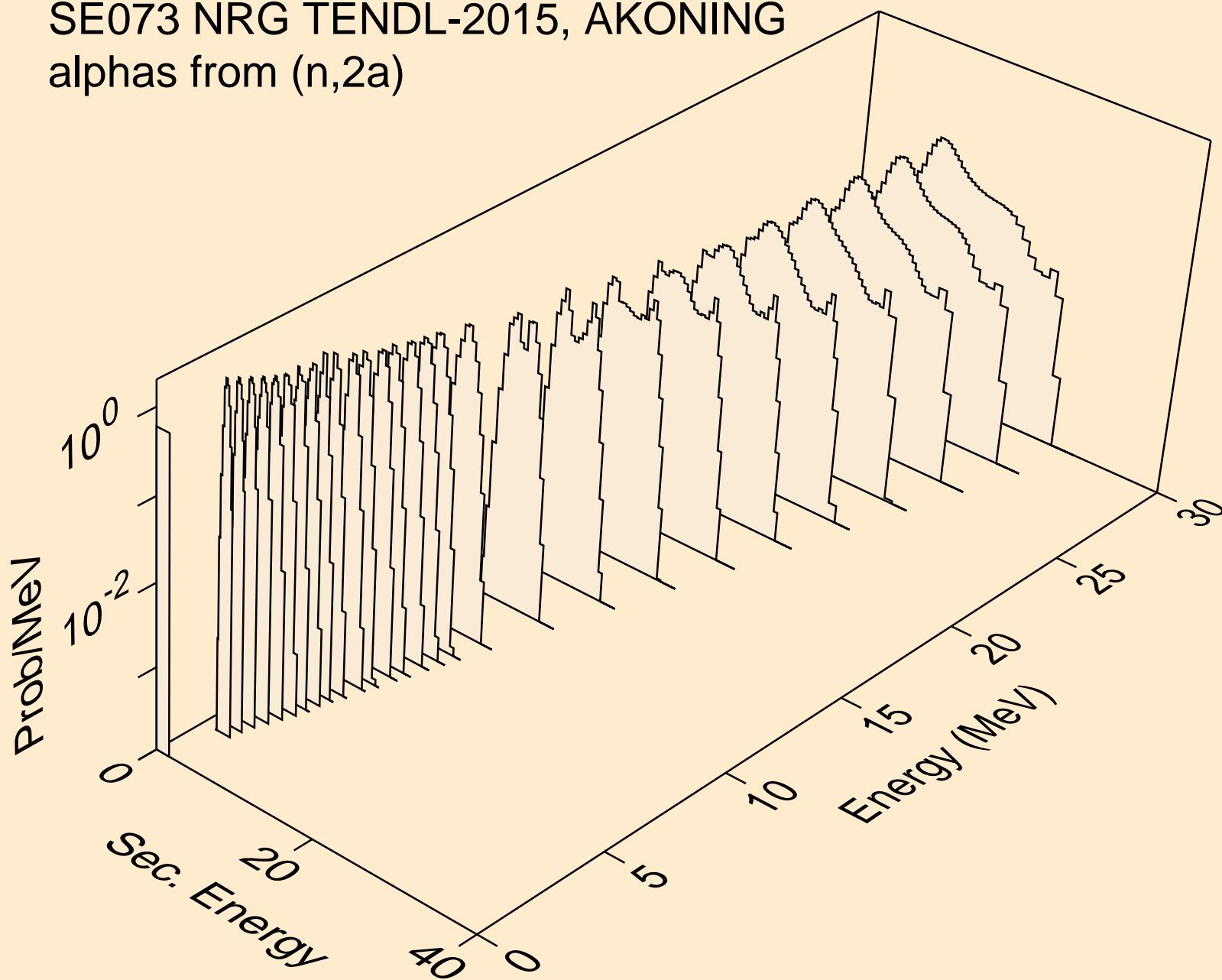
SE073 NRG TENDL-2015, AKONING  
alphas from (n,npa)



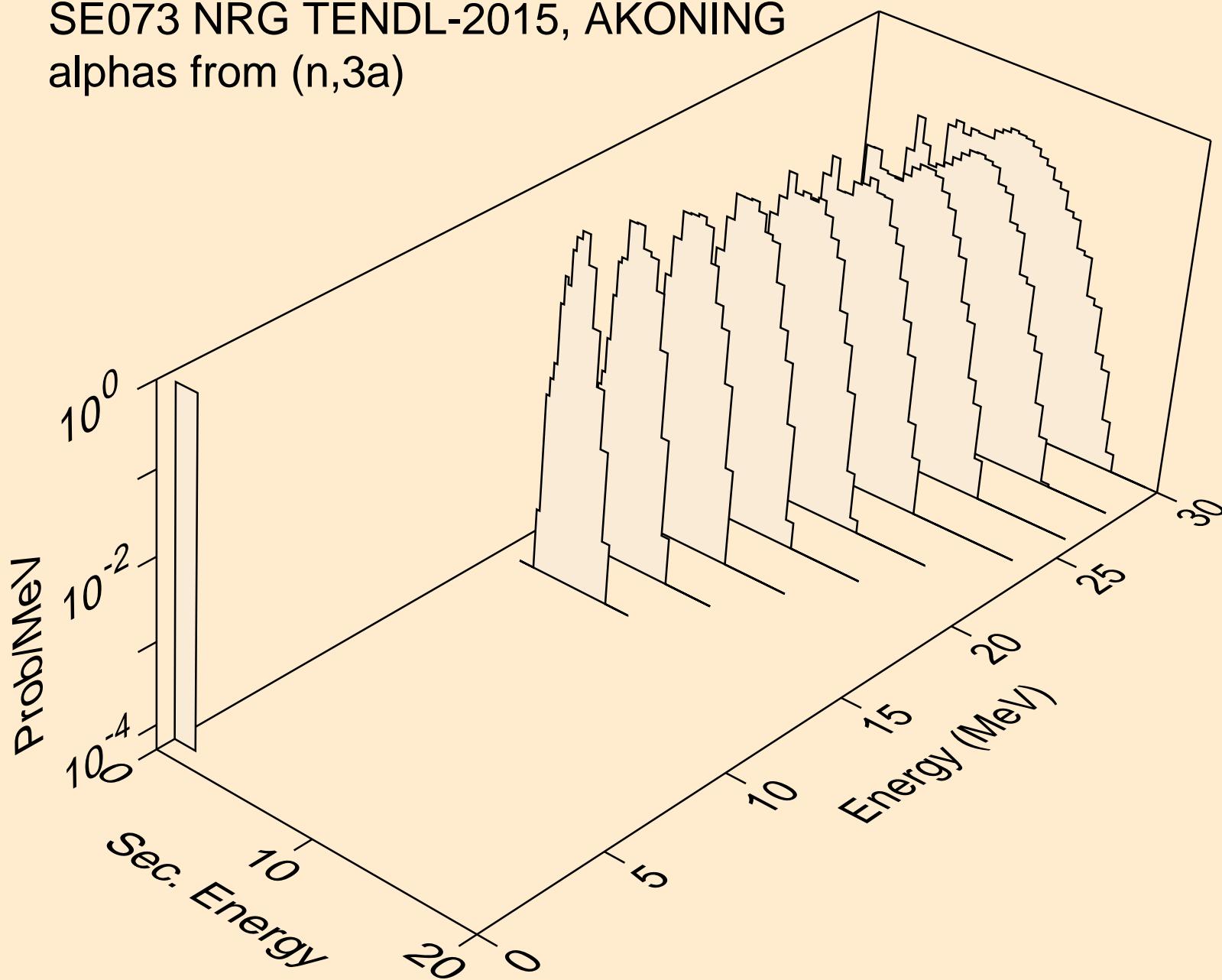
SE073 NRG TENDL-2015, AKONING  
alphas from (n,a)



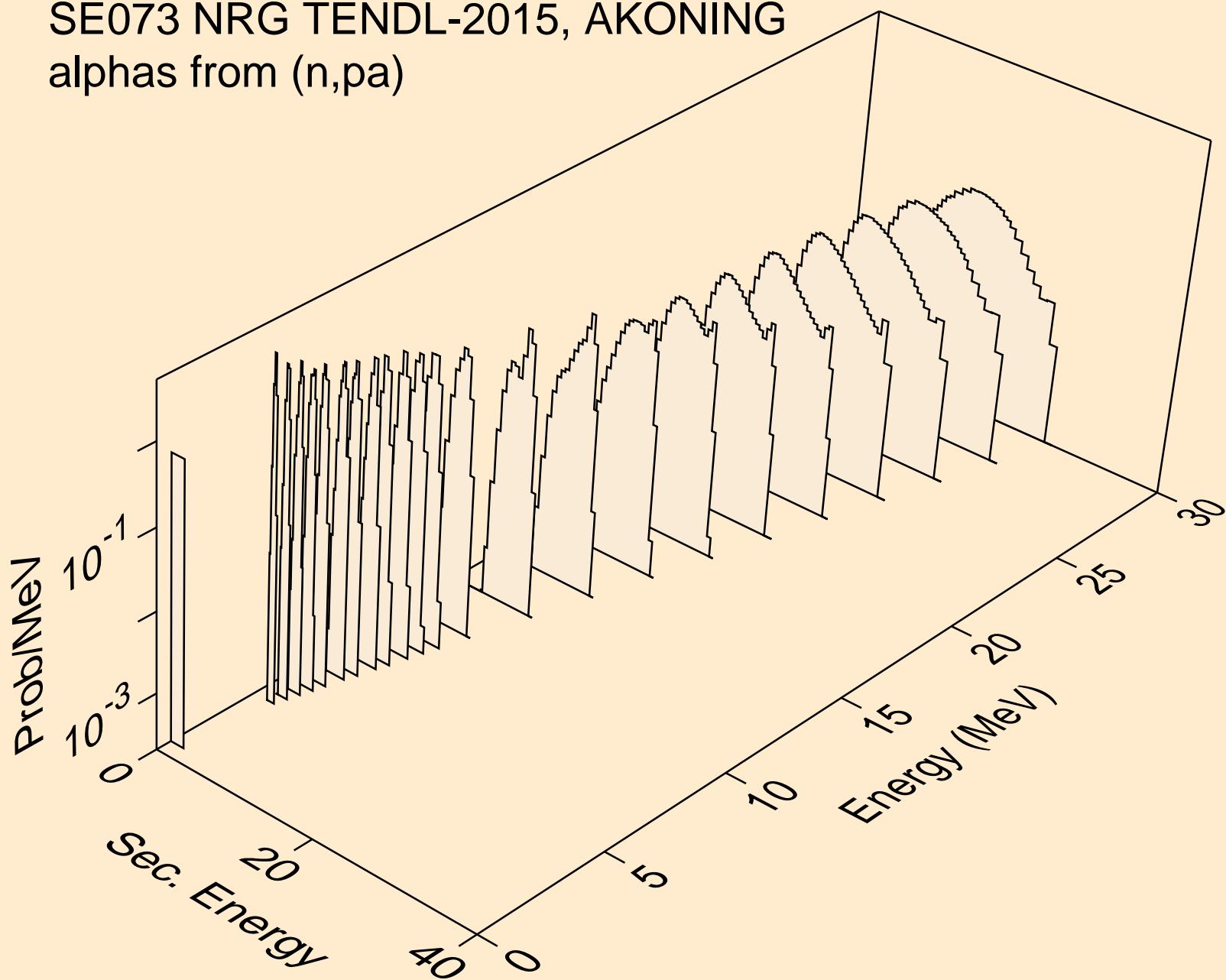
SE073 NRG TENDL-2015, AKONING  
alphas from ( $n,2a$ )



SE073 NRG TENDL-2015, AKONING  
alphas from ( $n,3a$ )



SE073 NRG TENDL-2015, AKONING  
alphas from (n,pa)



SE073 NRG TENDL-2015, AKONING  
alphas from (n,da)

