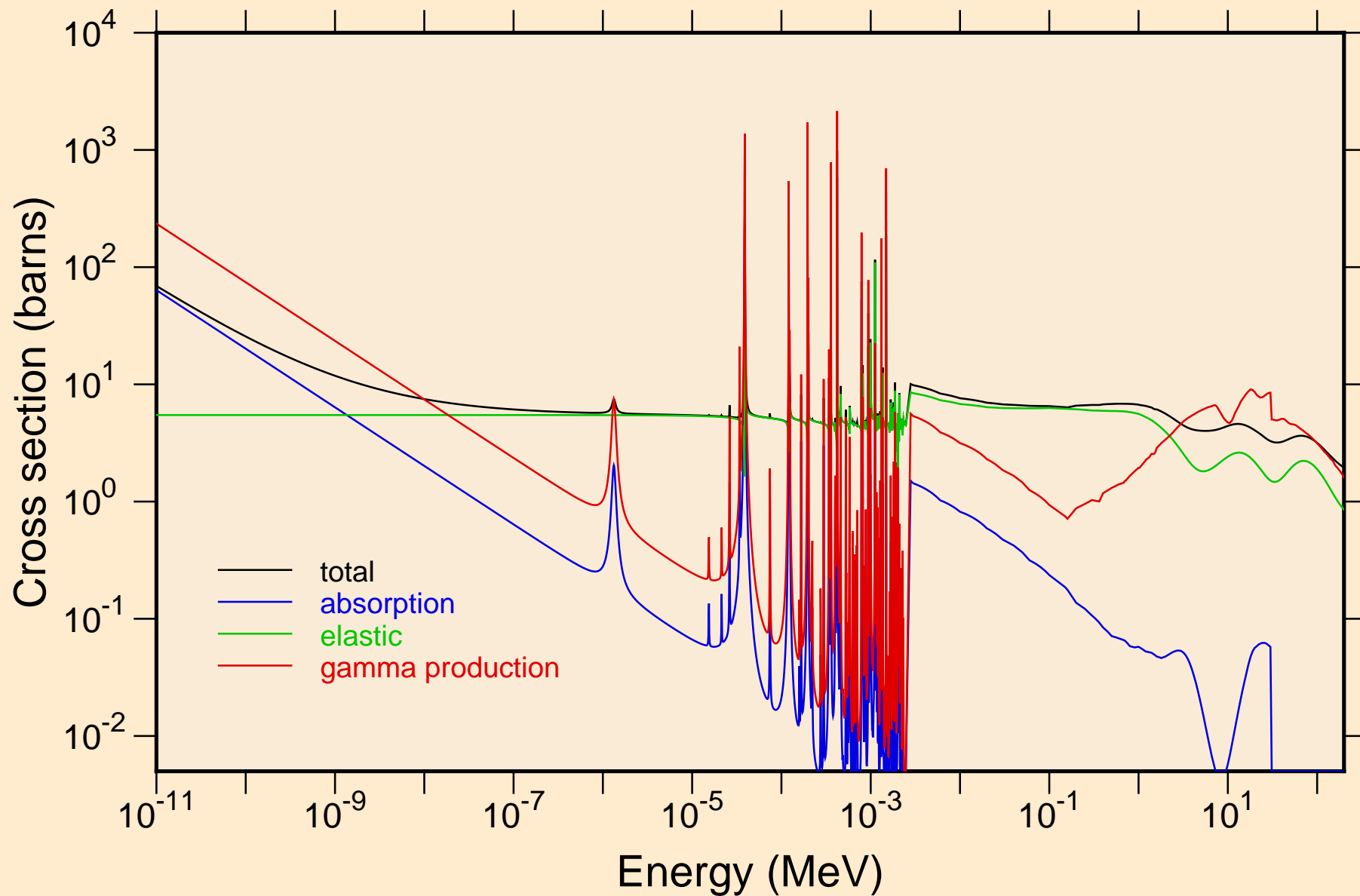
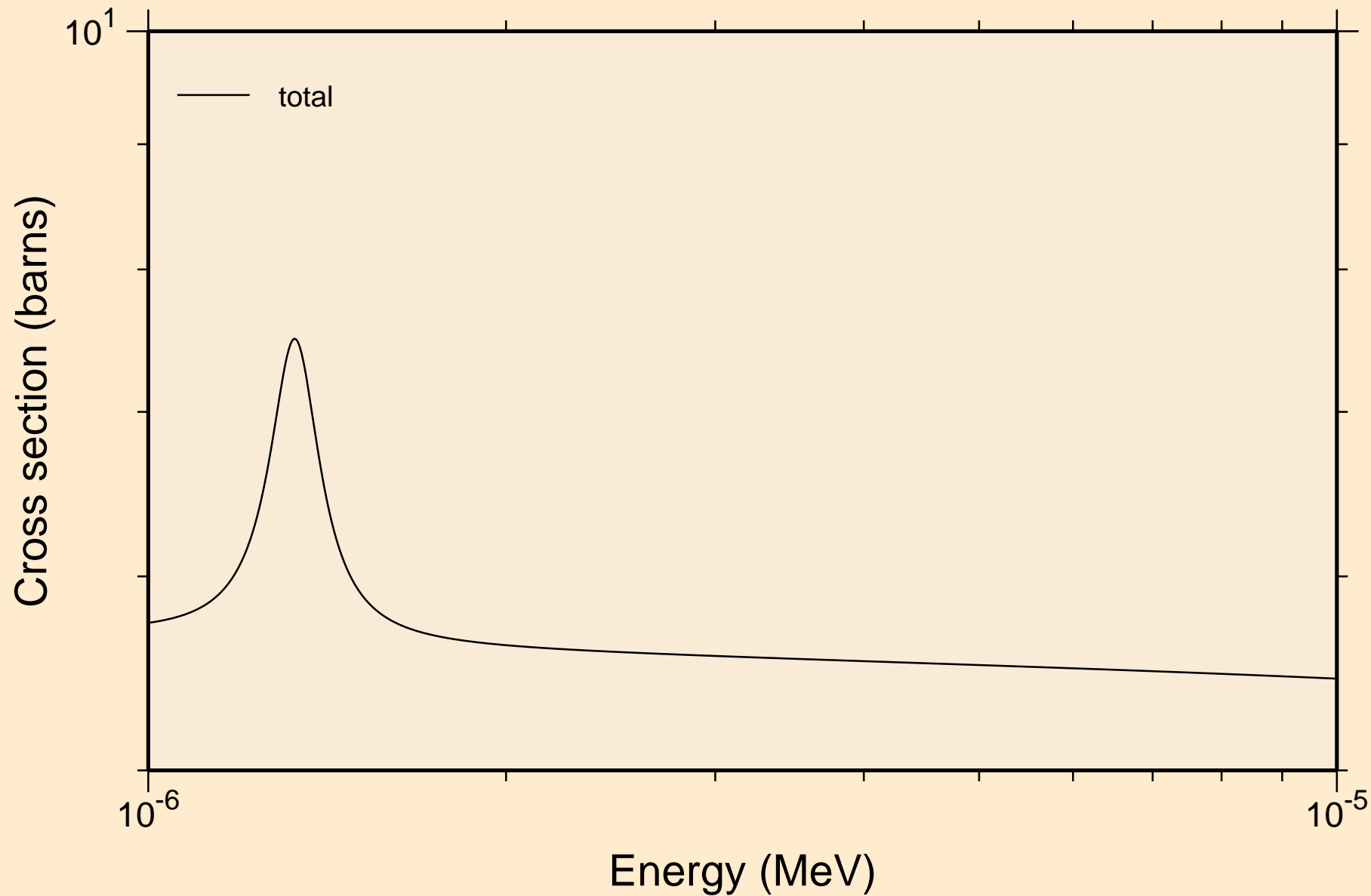


# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

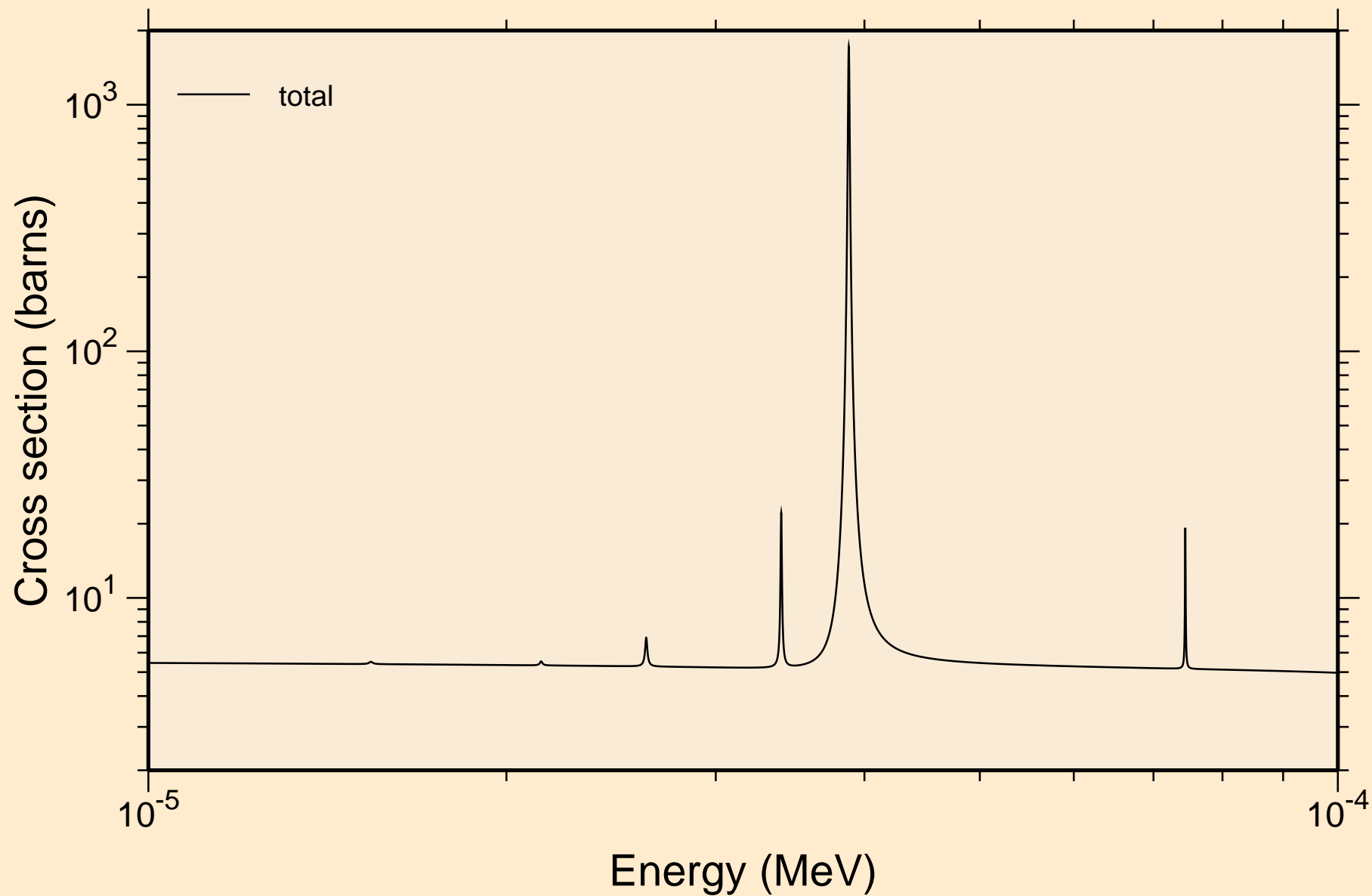
## Principal cross sections



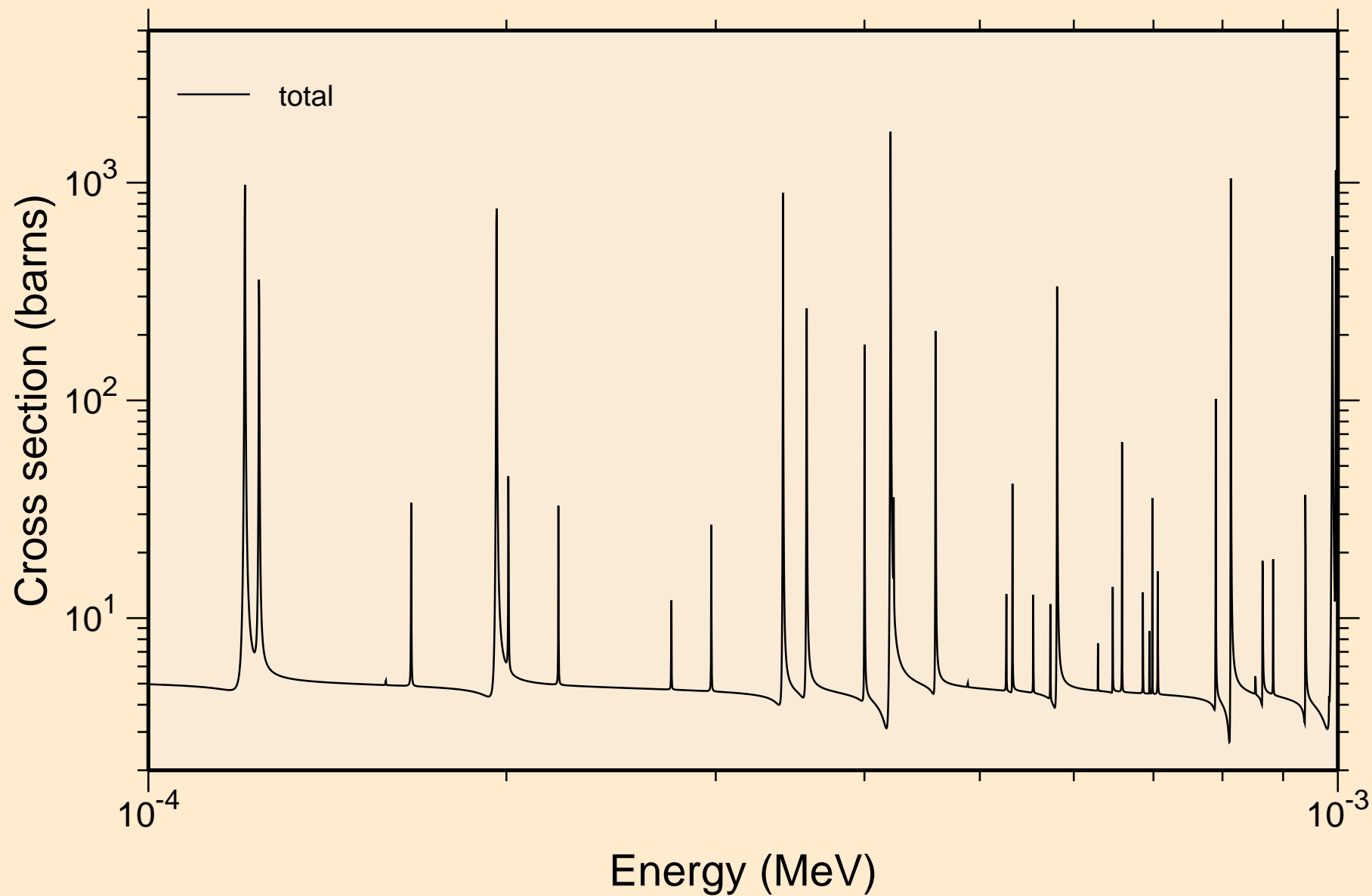
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



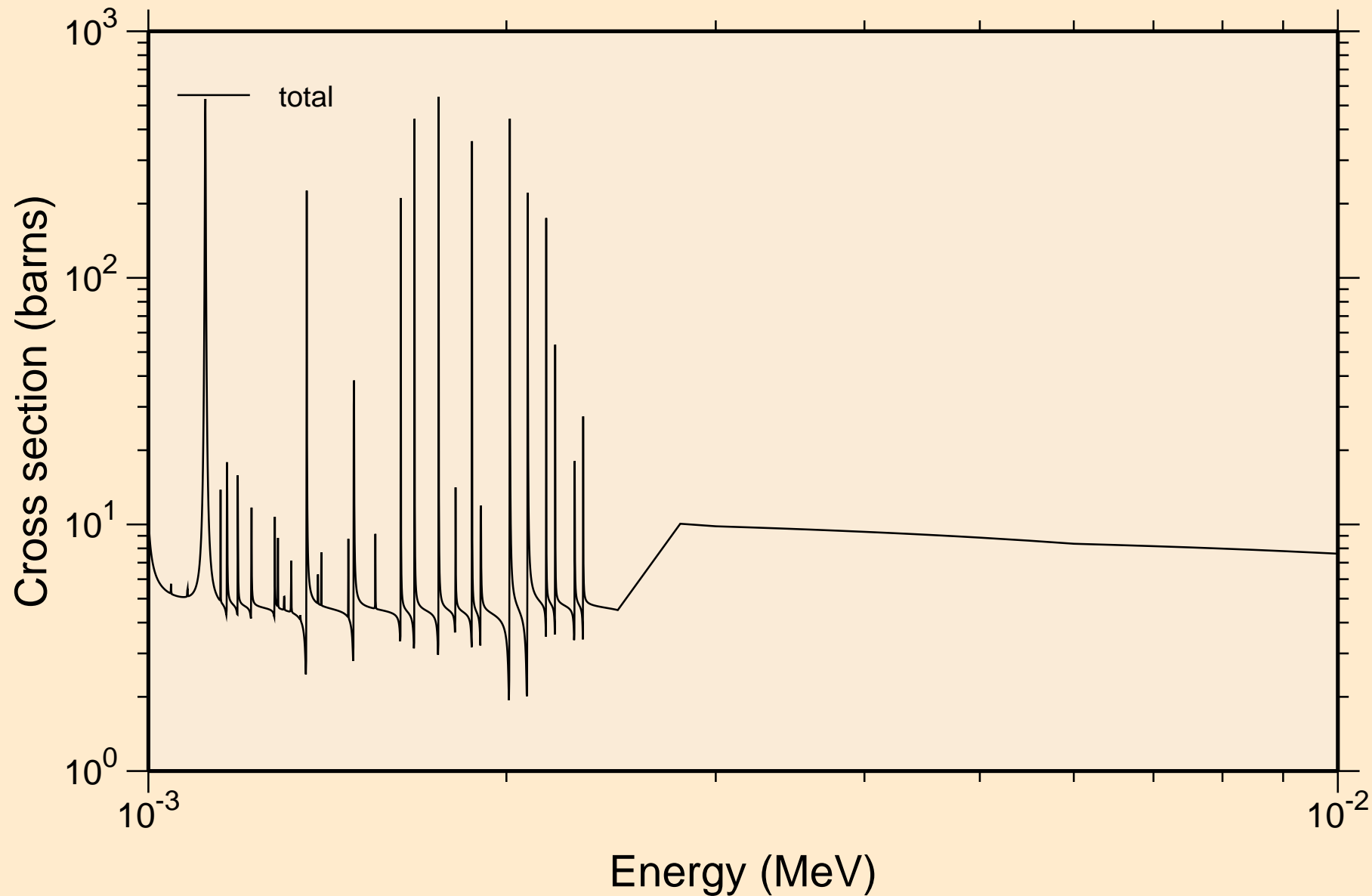
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resonance total cross section



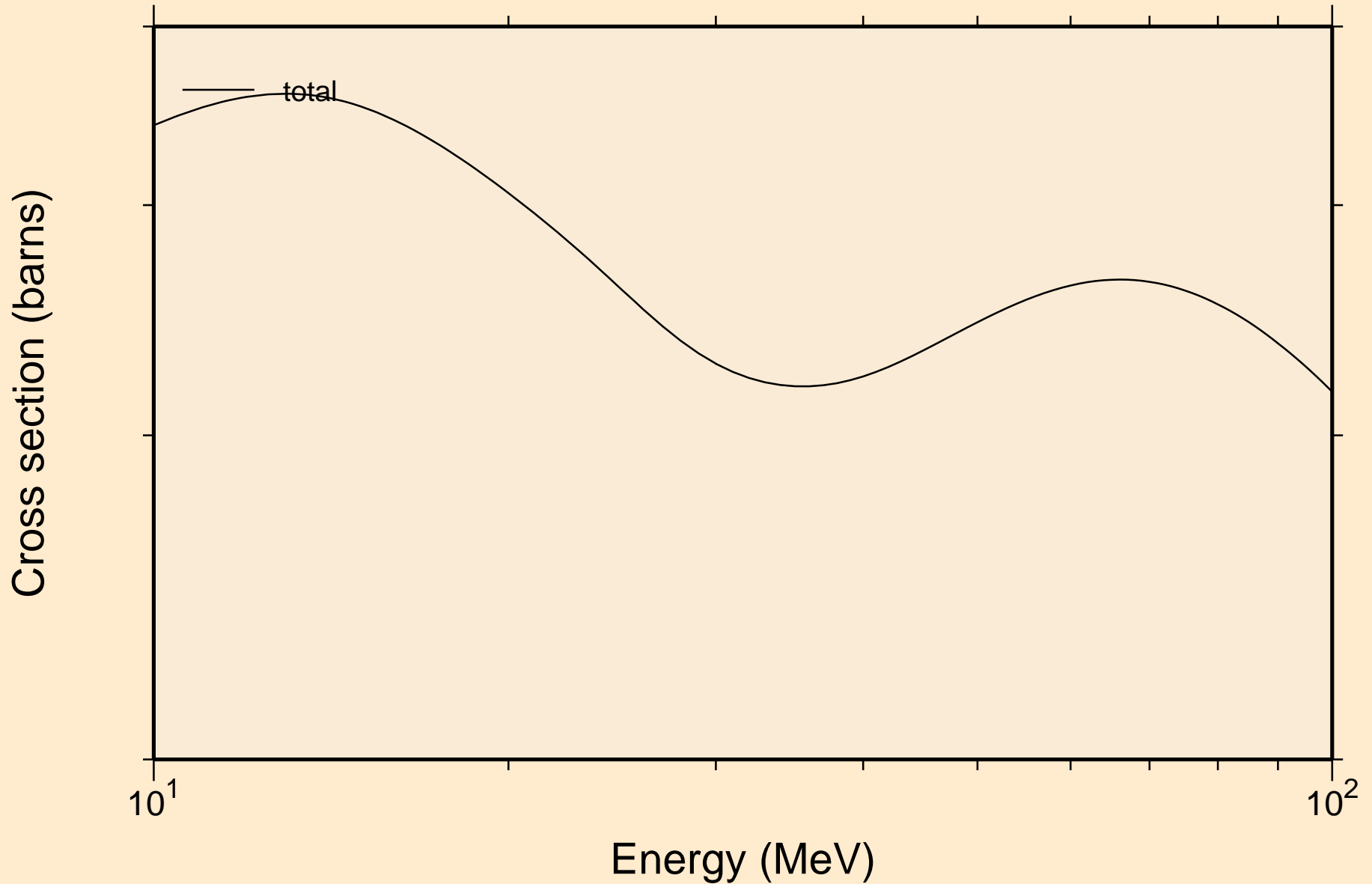
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resonance total cross section



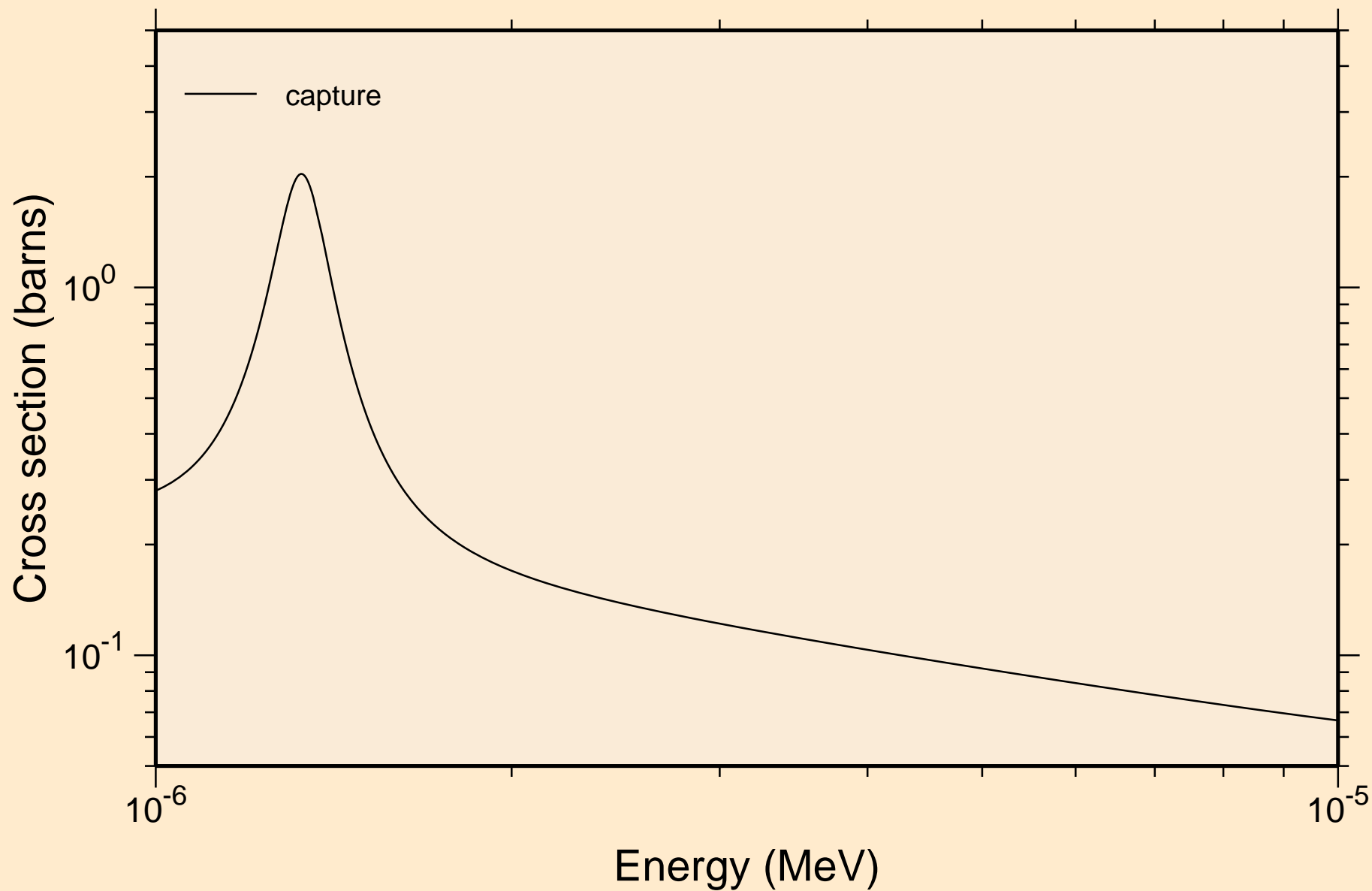
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



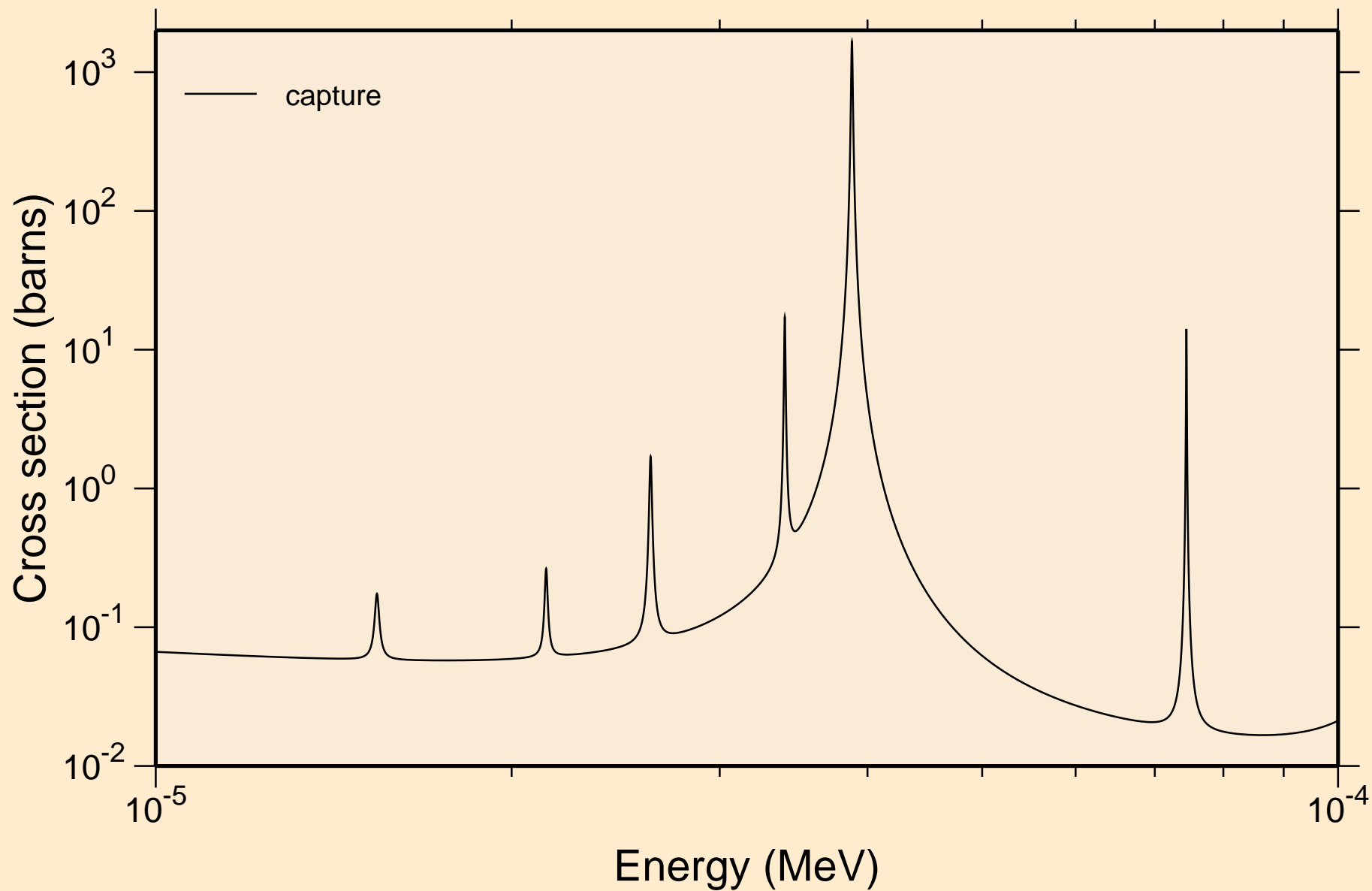
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resonance total cross section



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

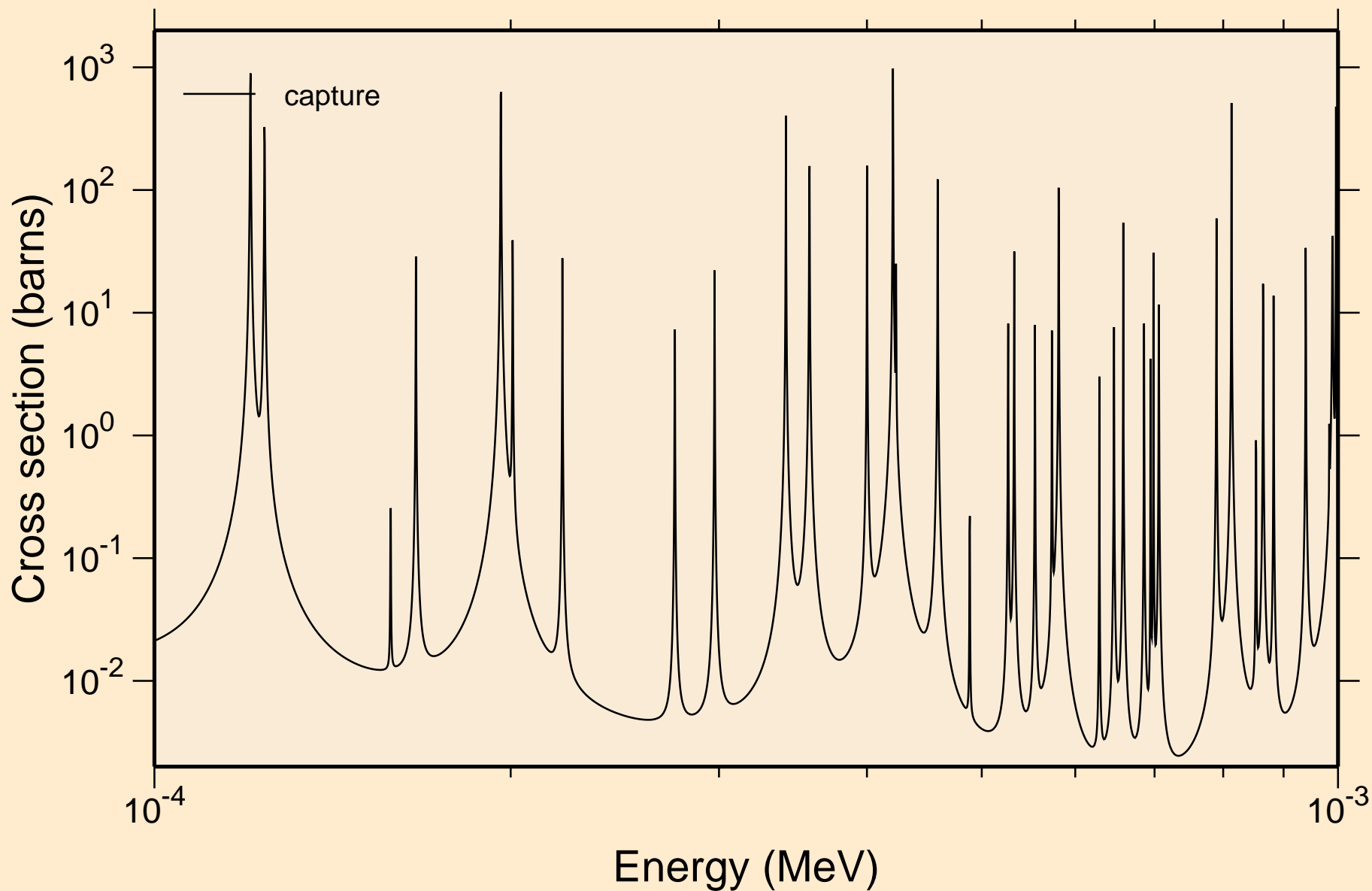


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

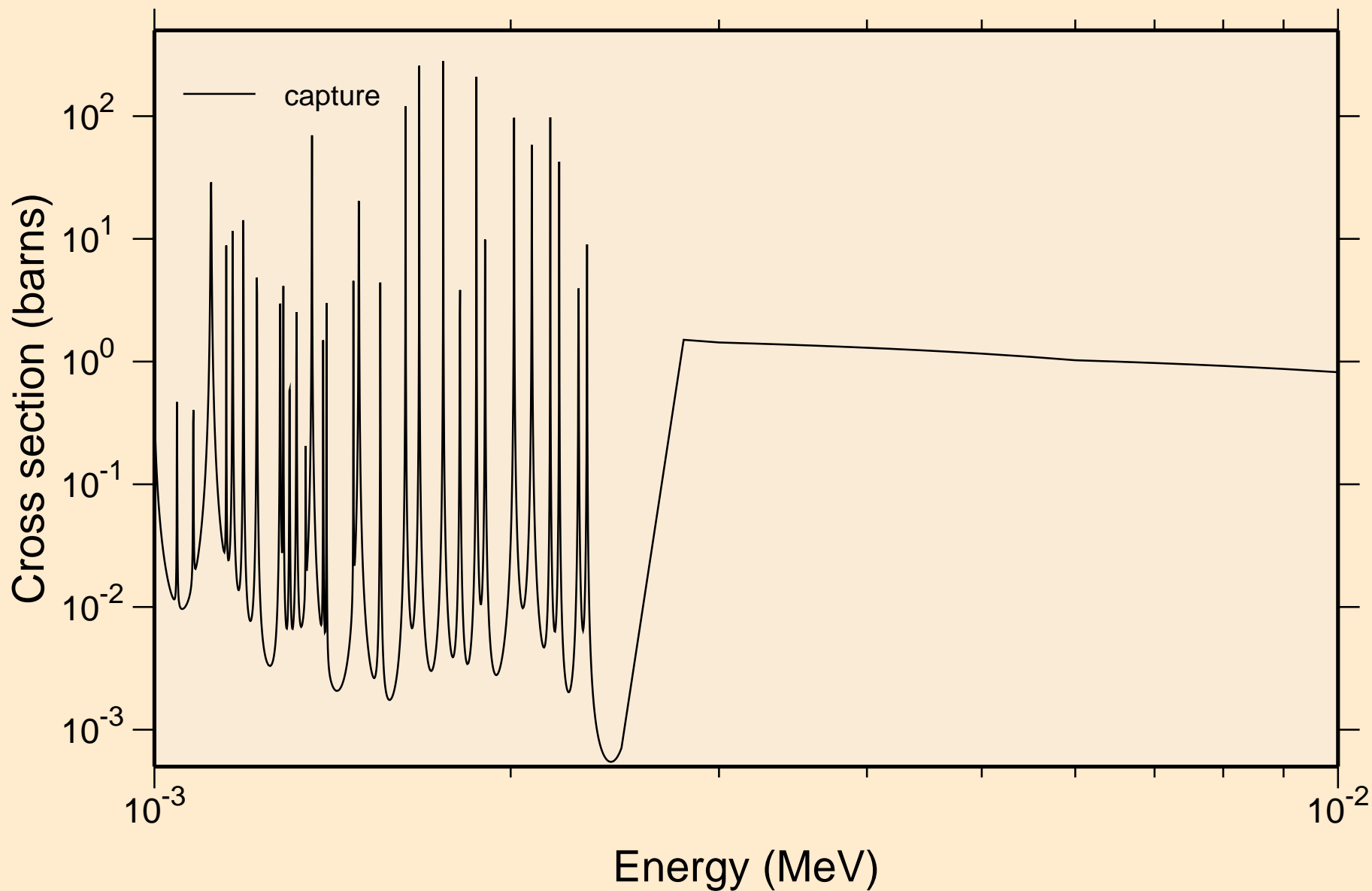




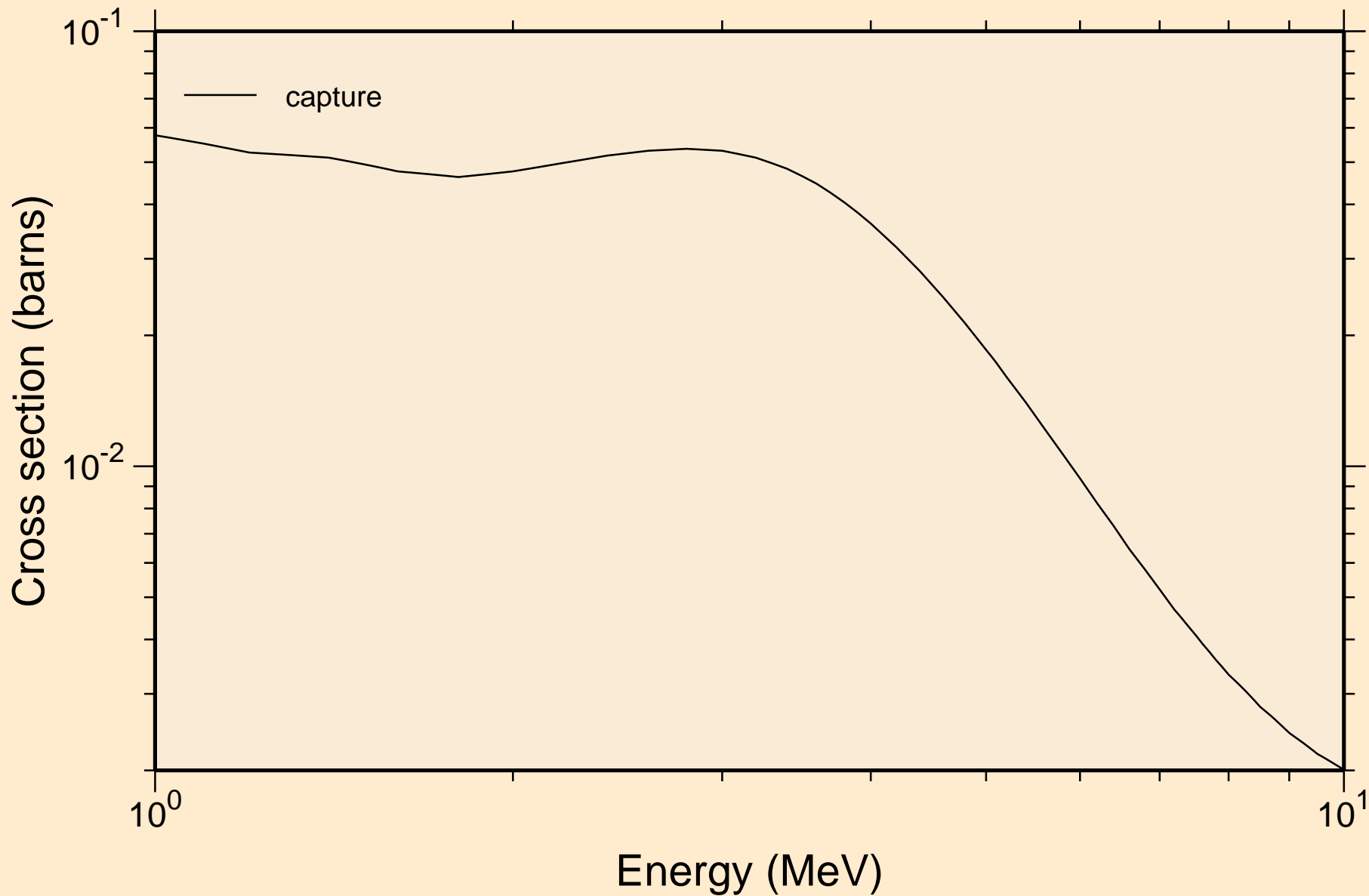
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

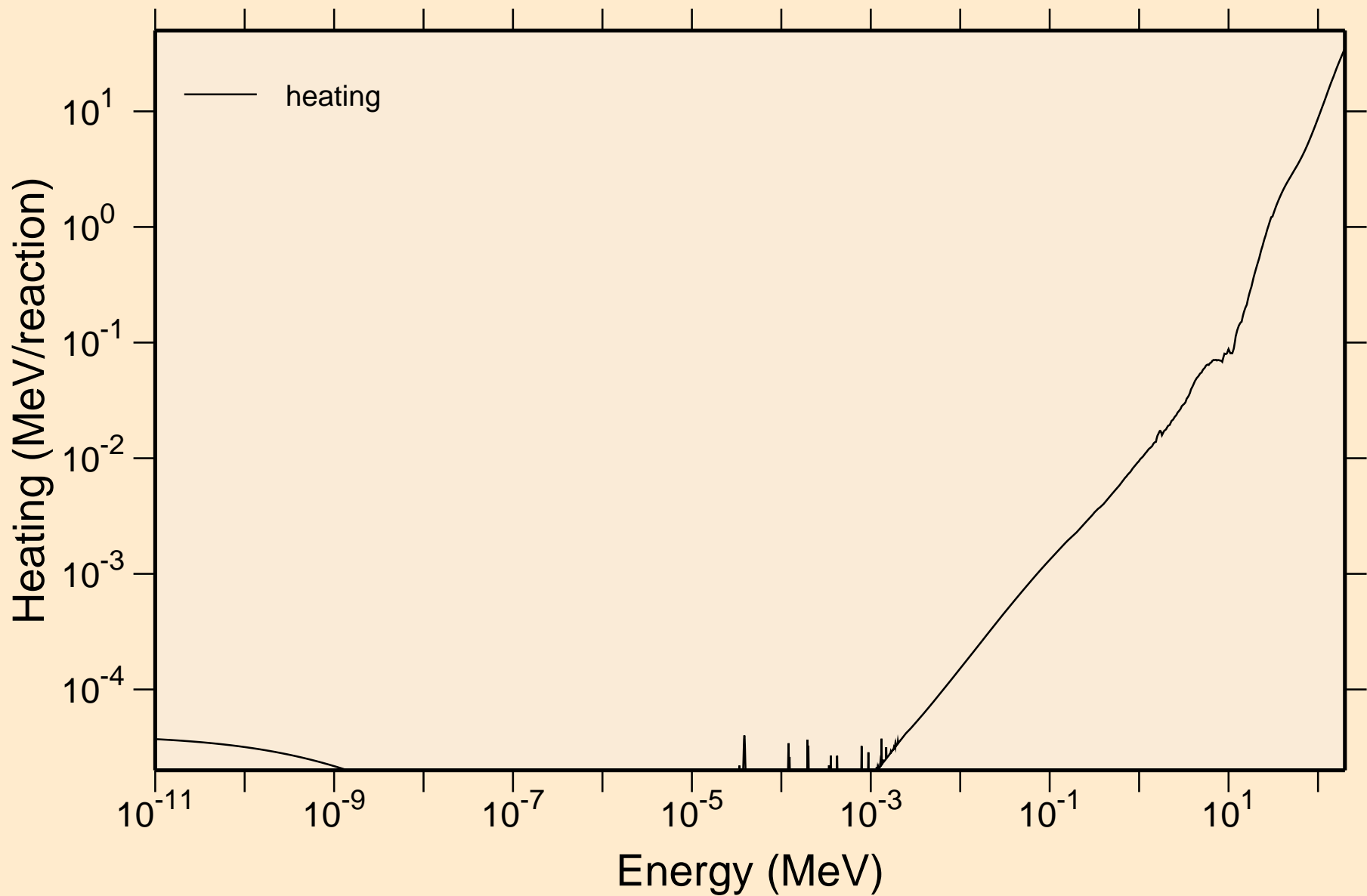


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



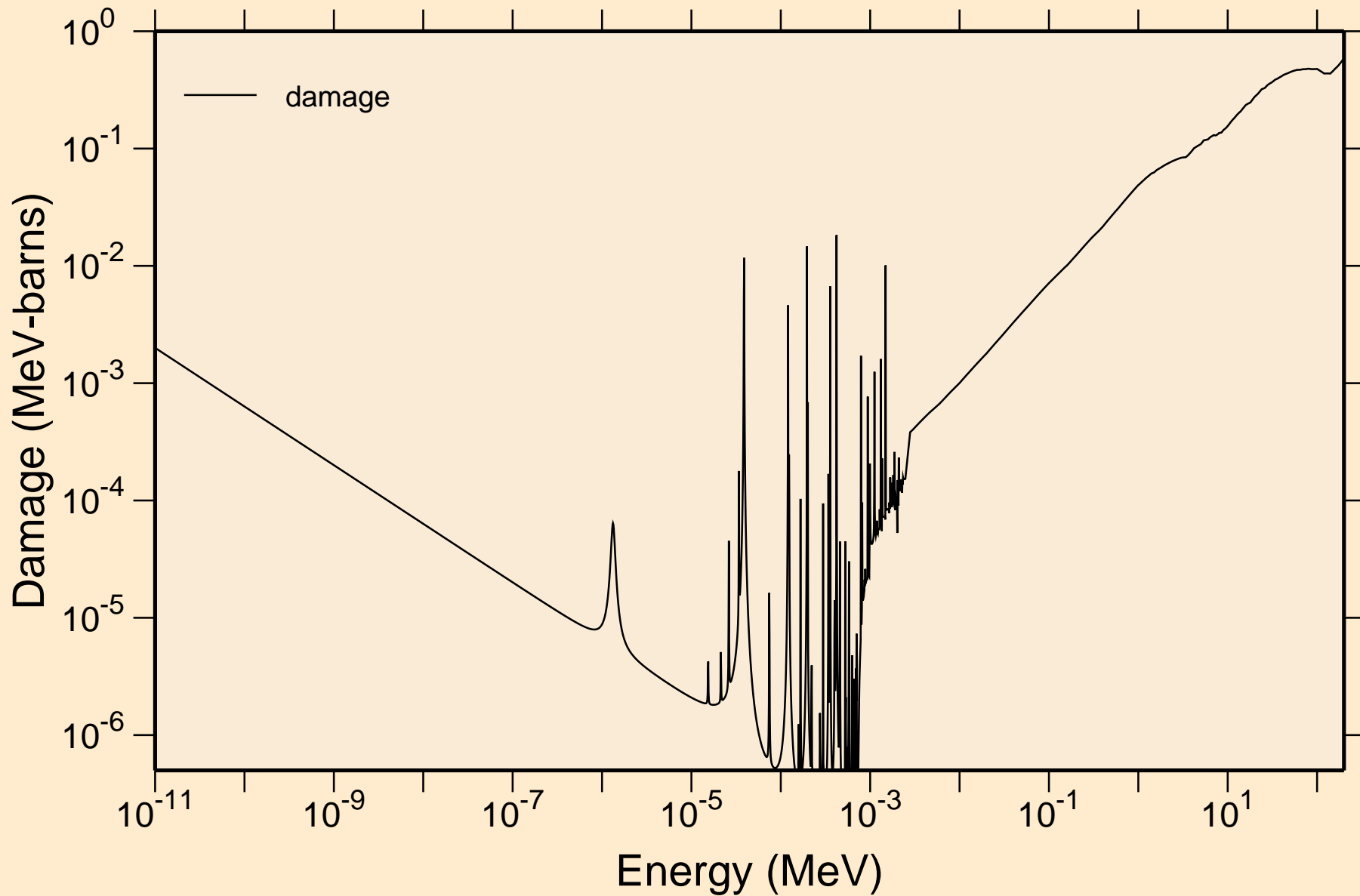
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## Heating



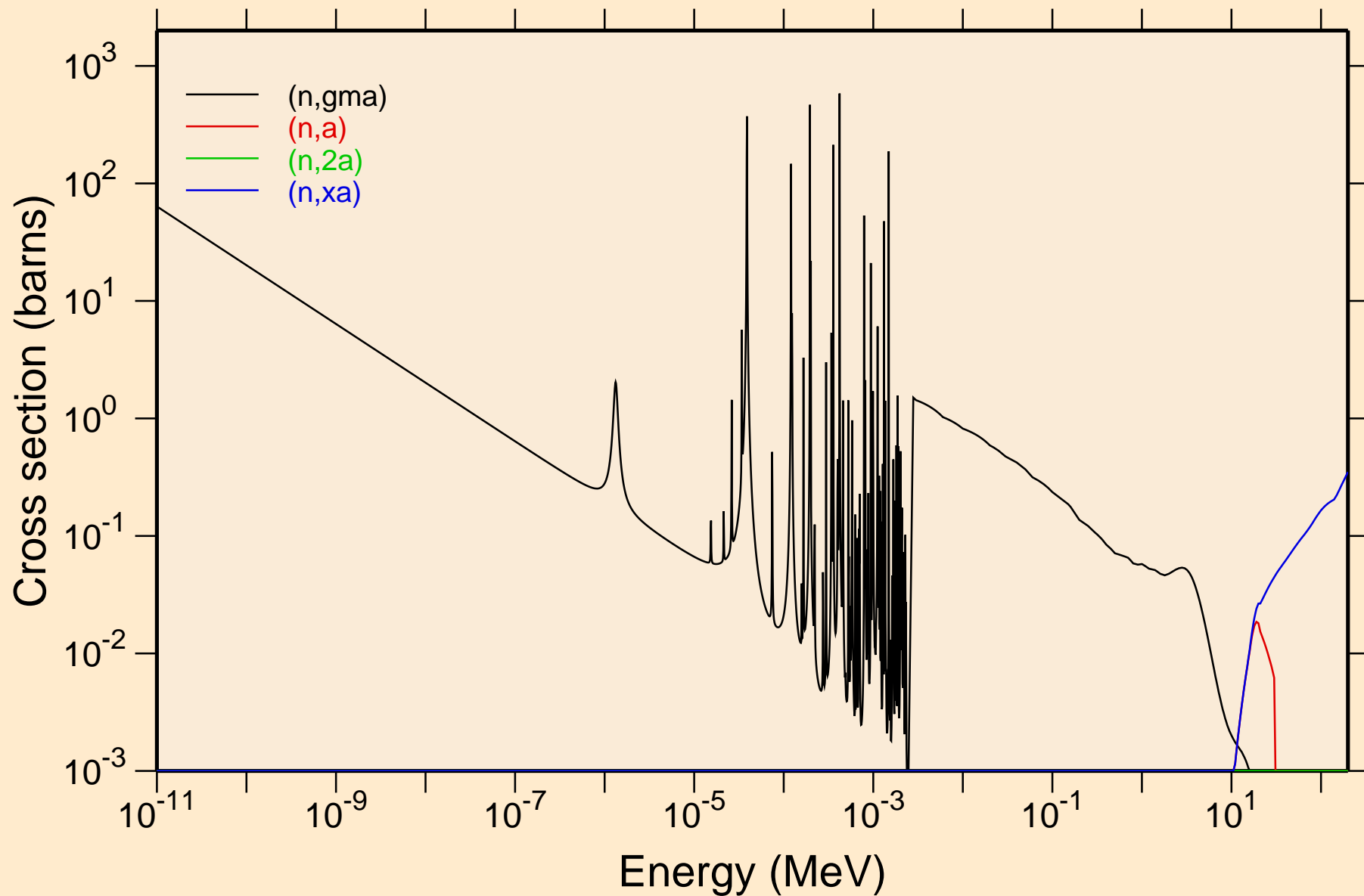
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## Damage



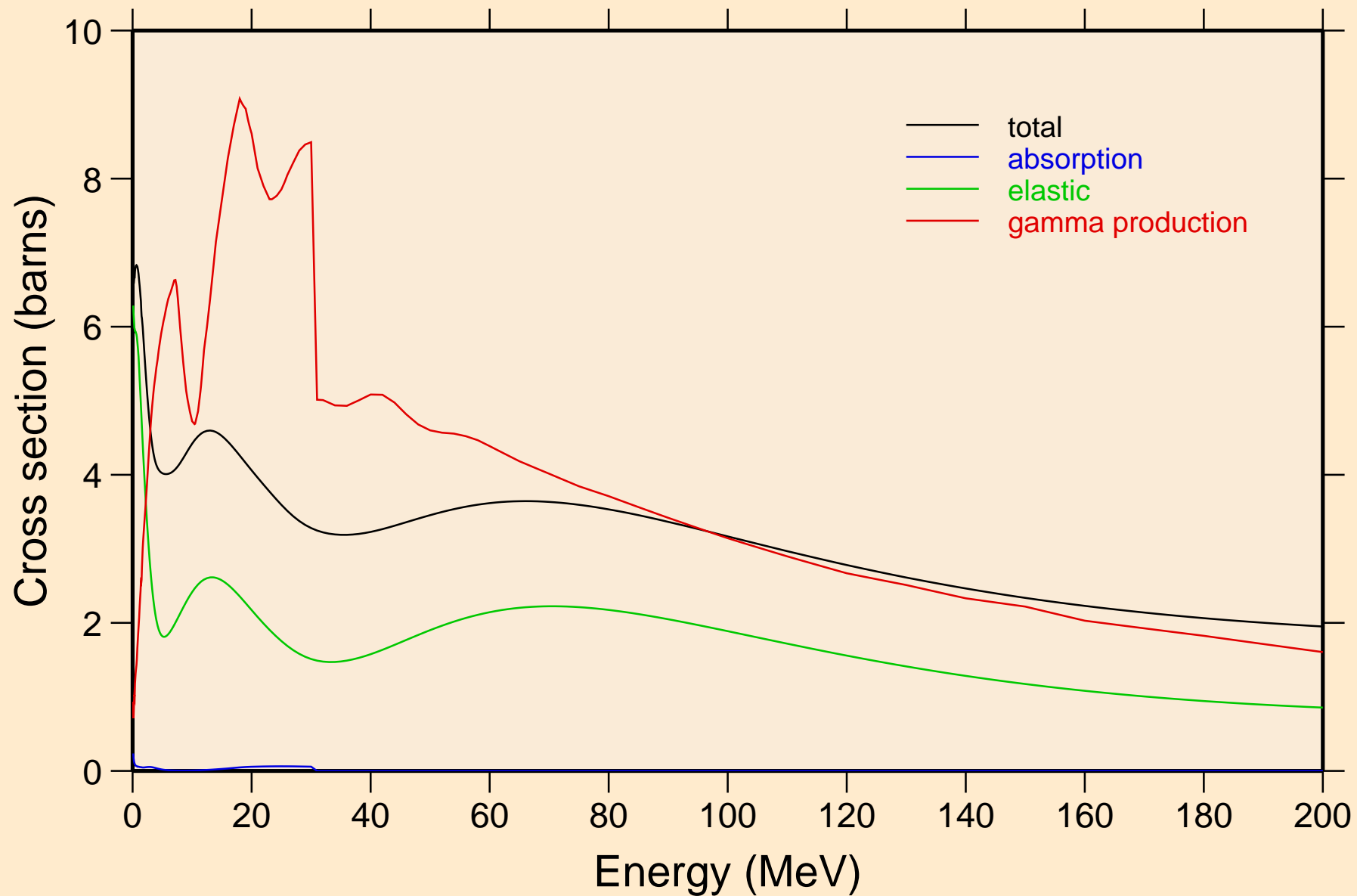
# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions



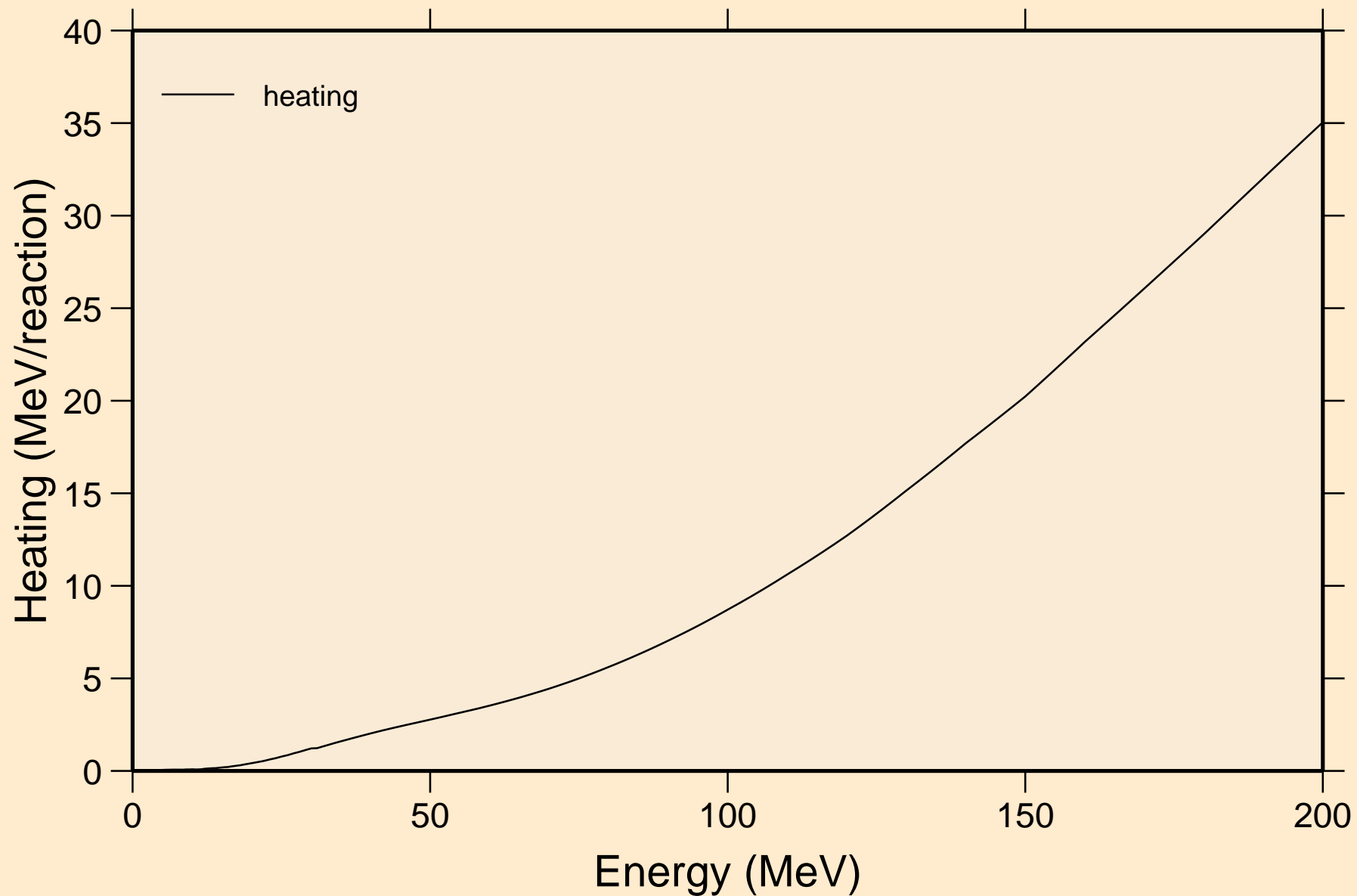
# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

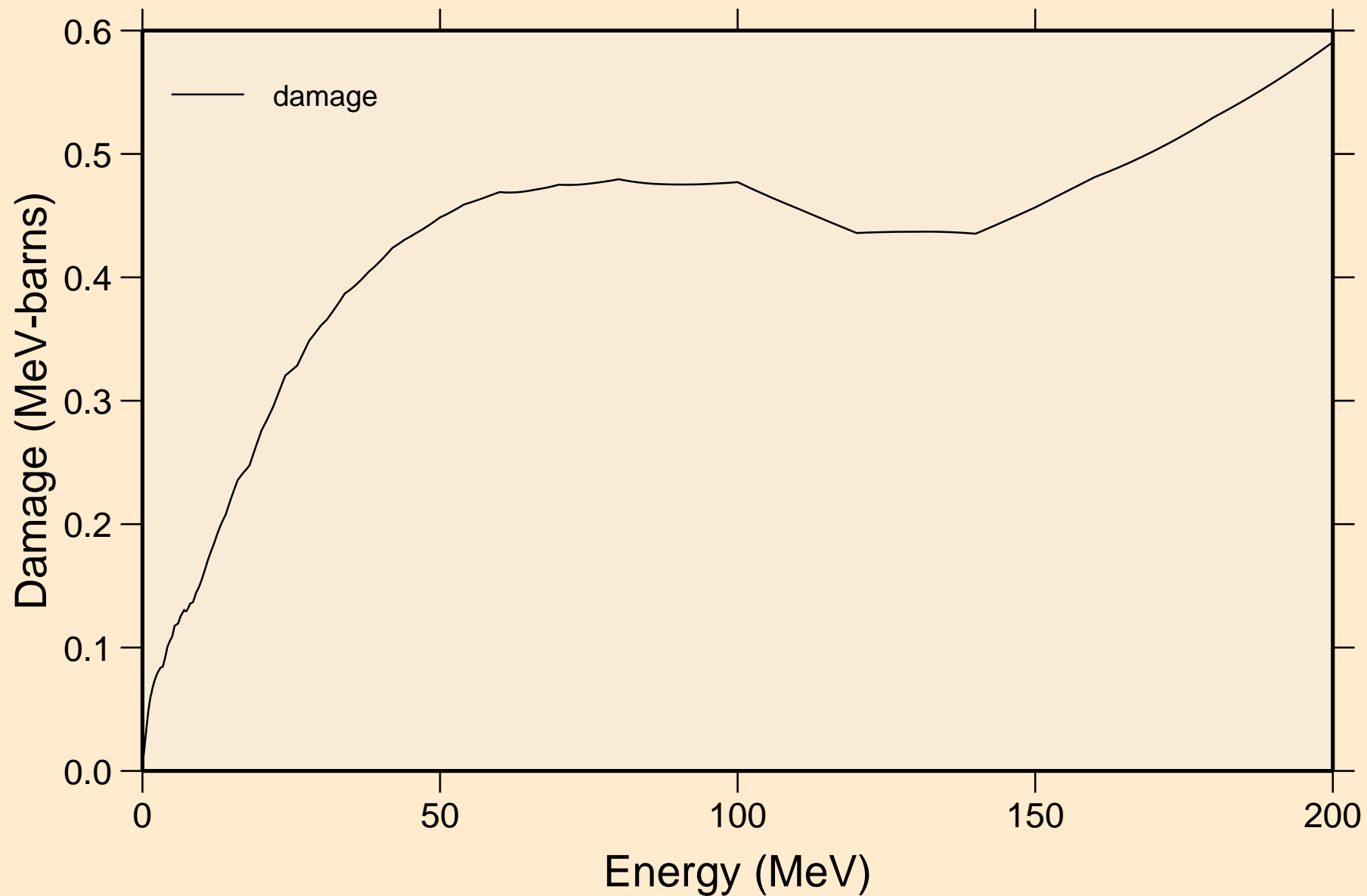
## Heating





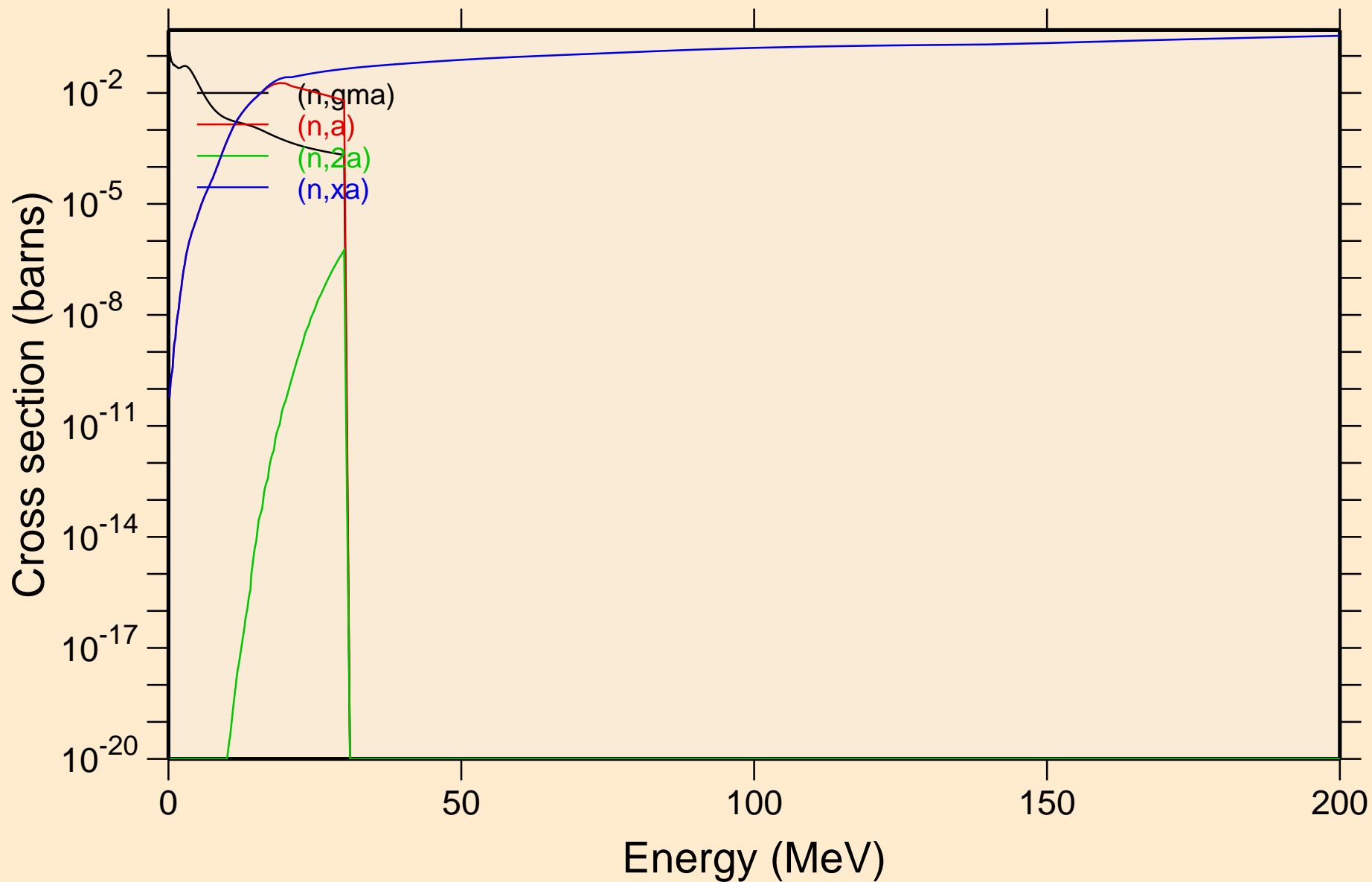
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## Damage



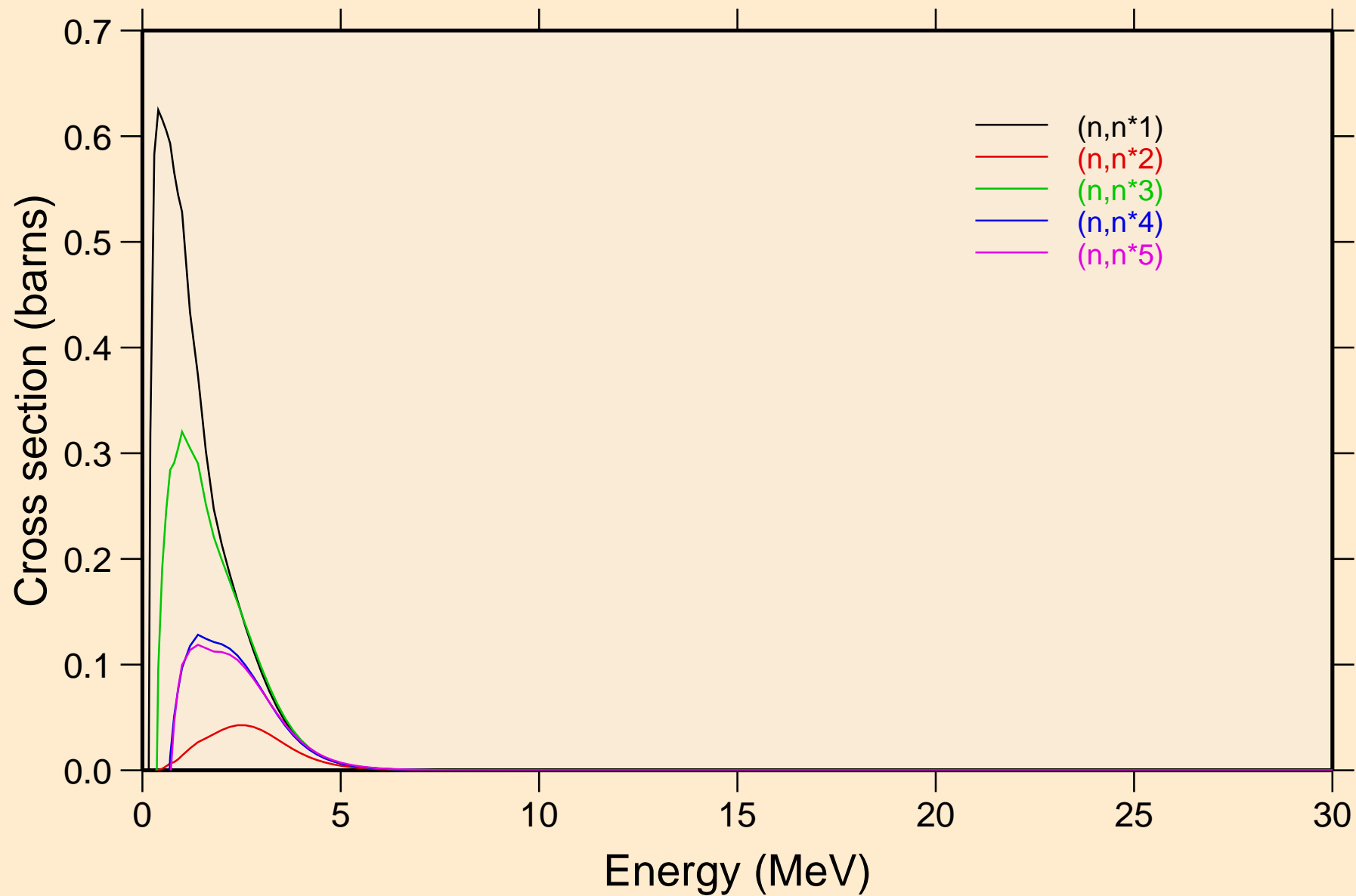
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## Non-threshold reactions



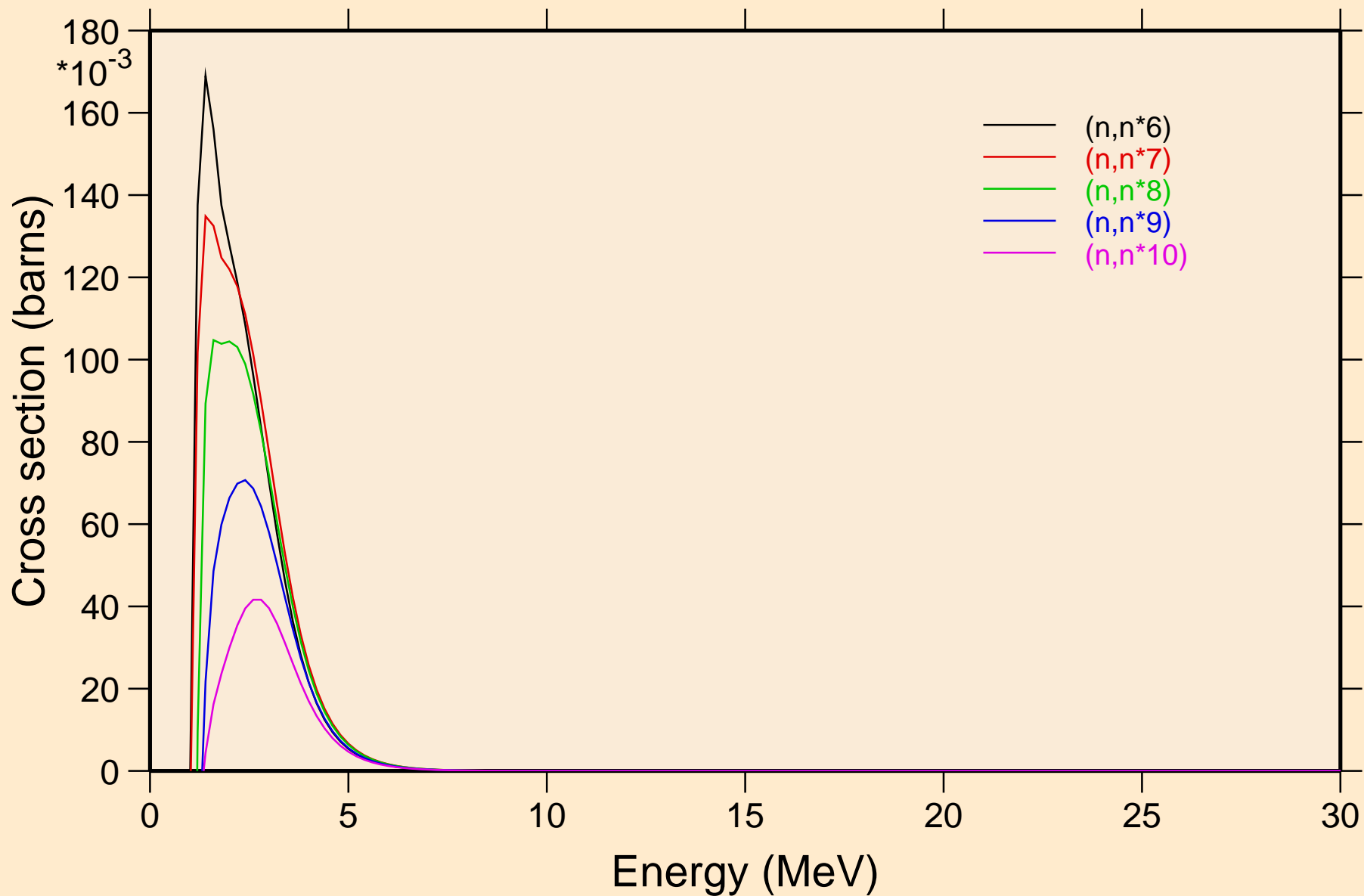
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## Inelastic levels



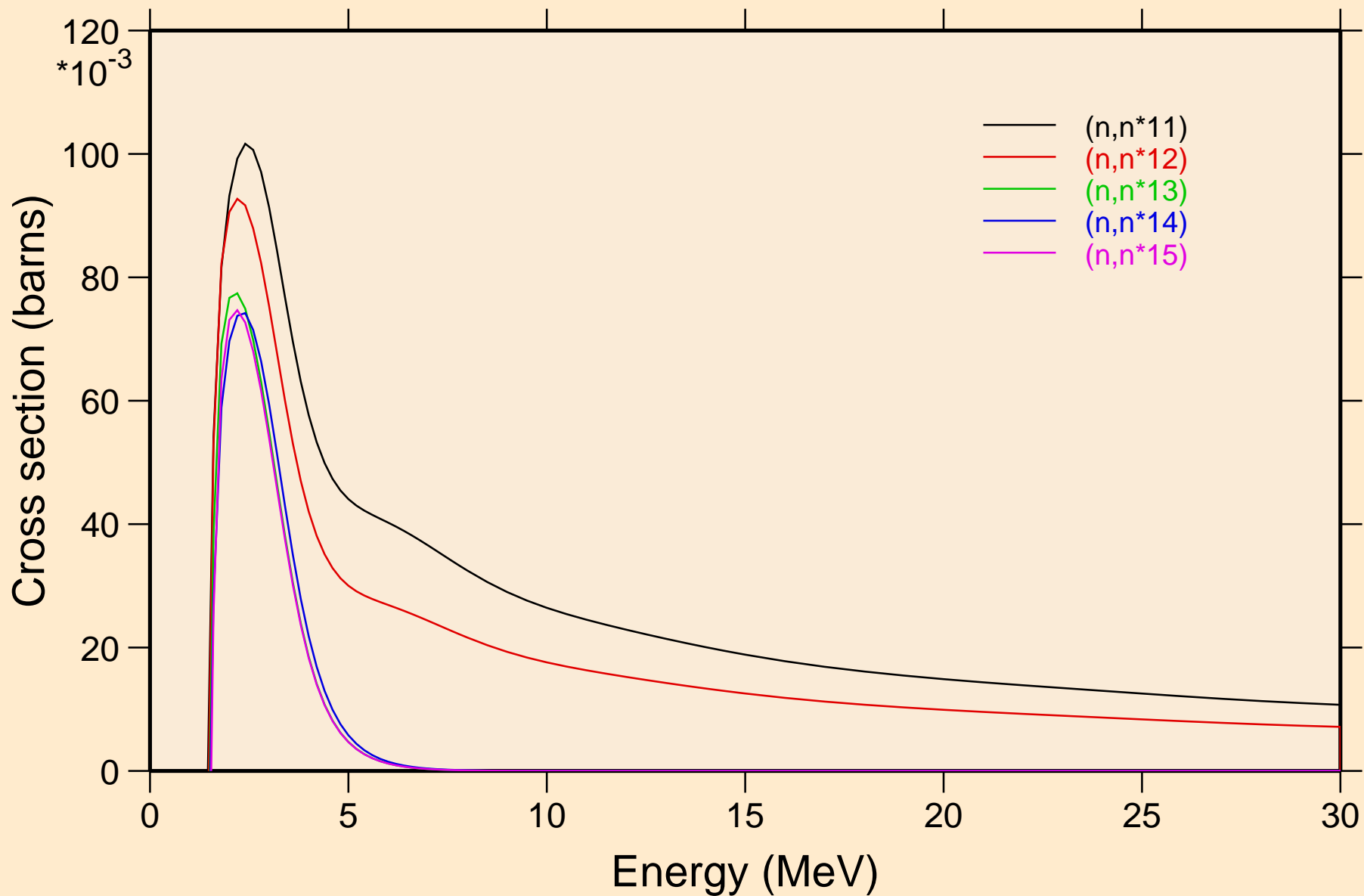
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## Inelastic levels



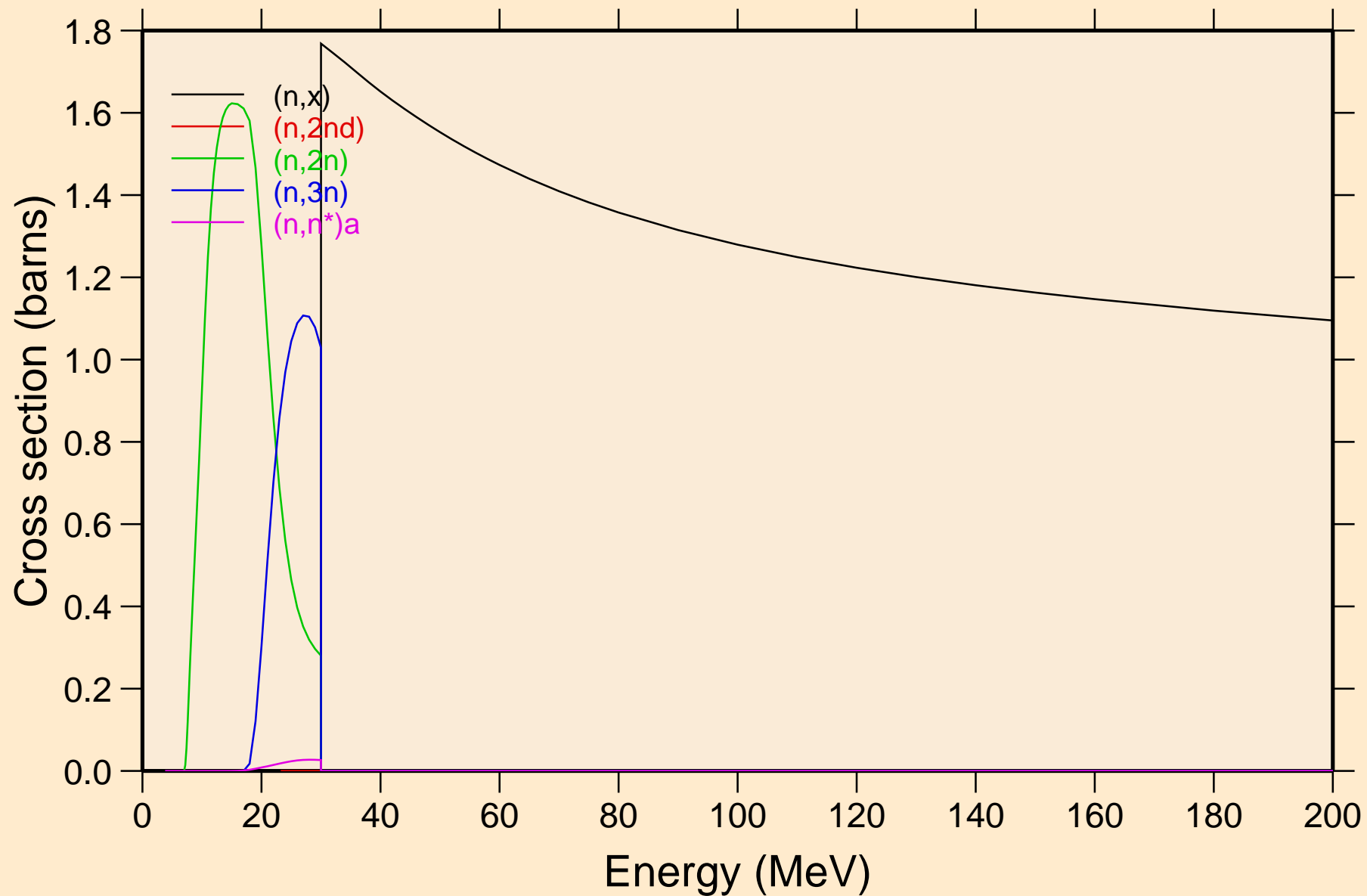
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## Inelastic levels



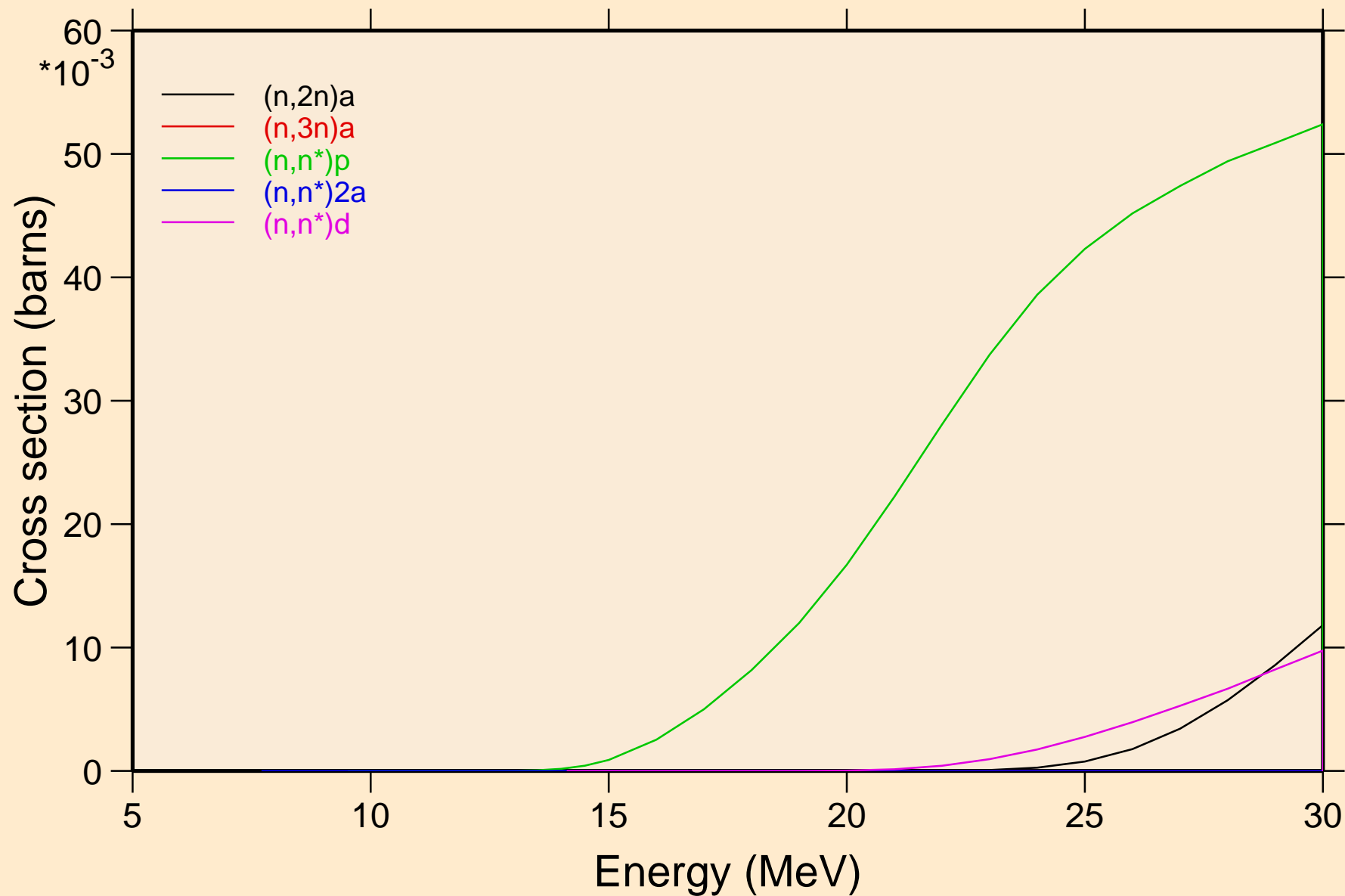
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## Threshold reactions



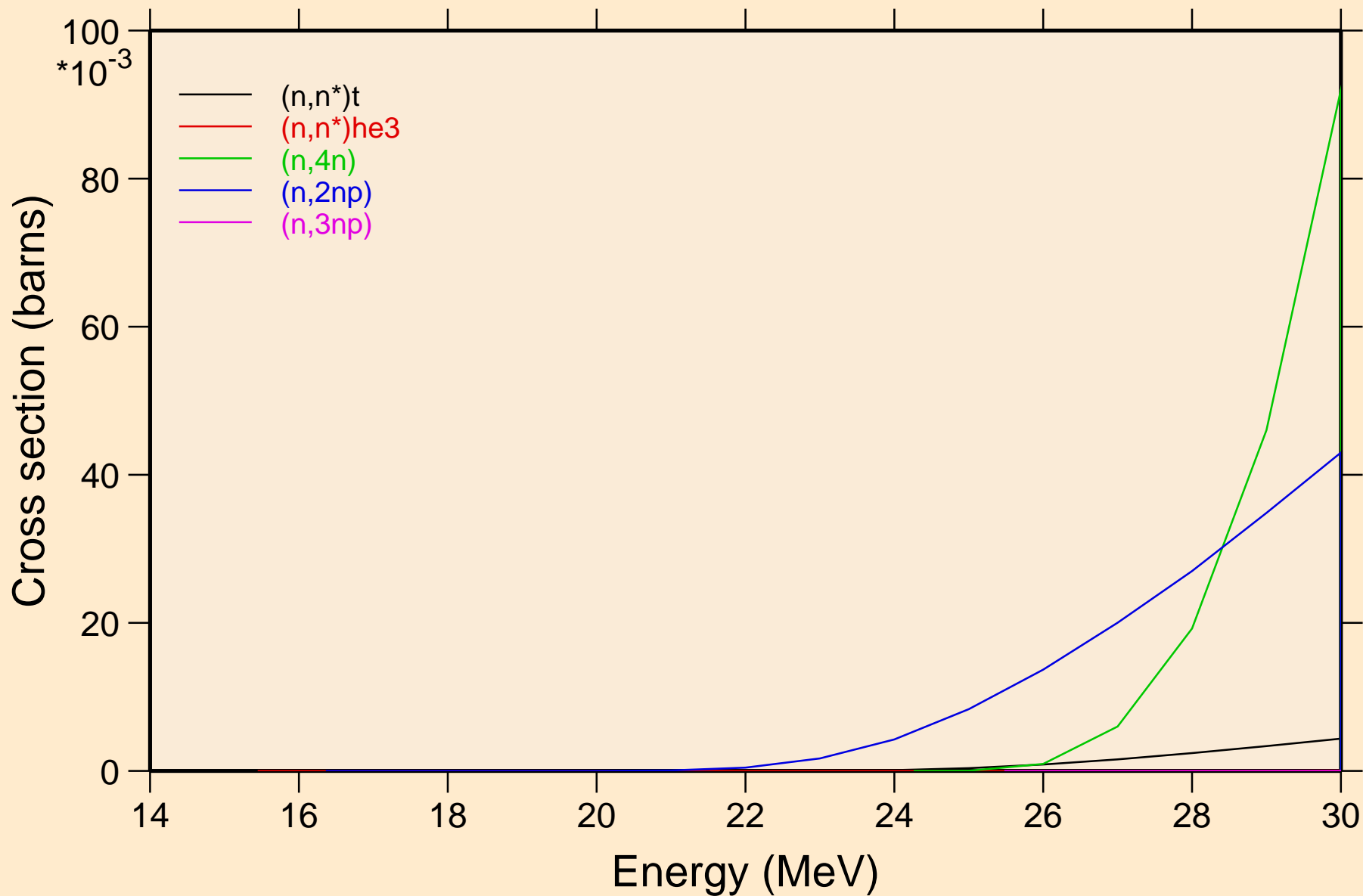
# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

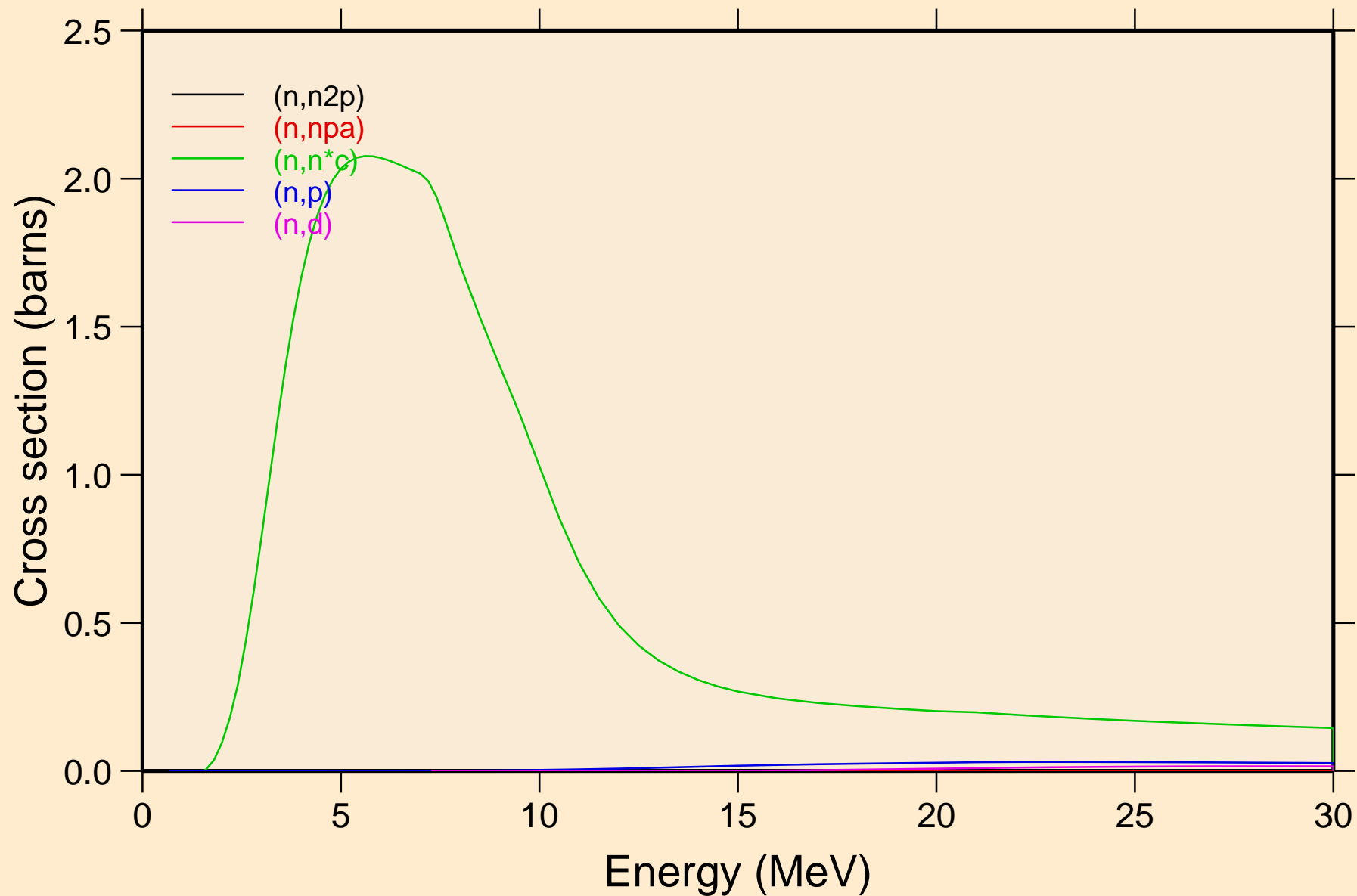
## Threshold reactions





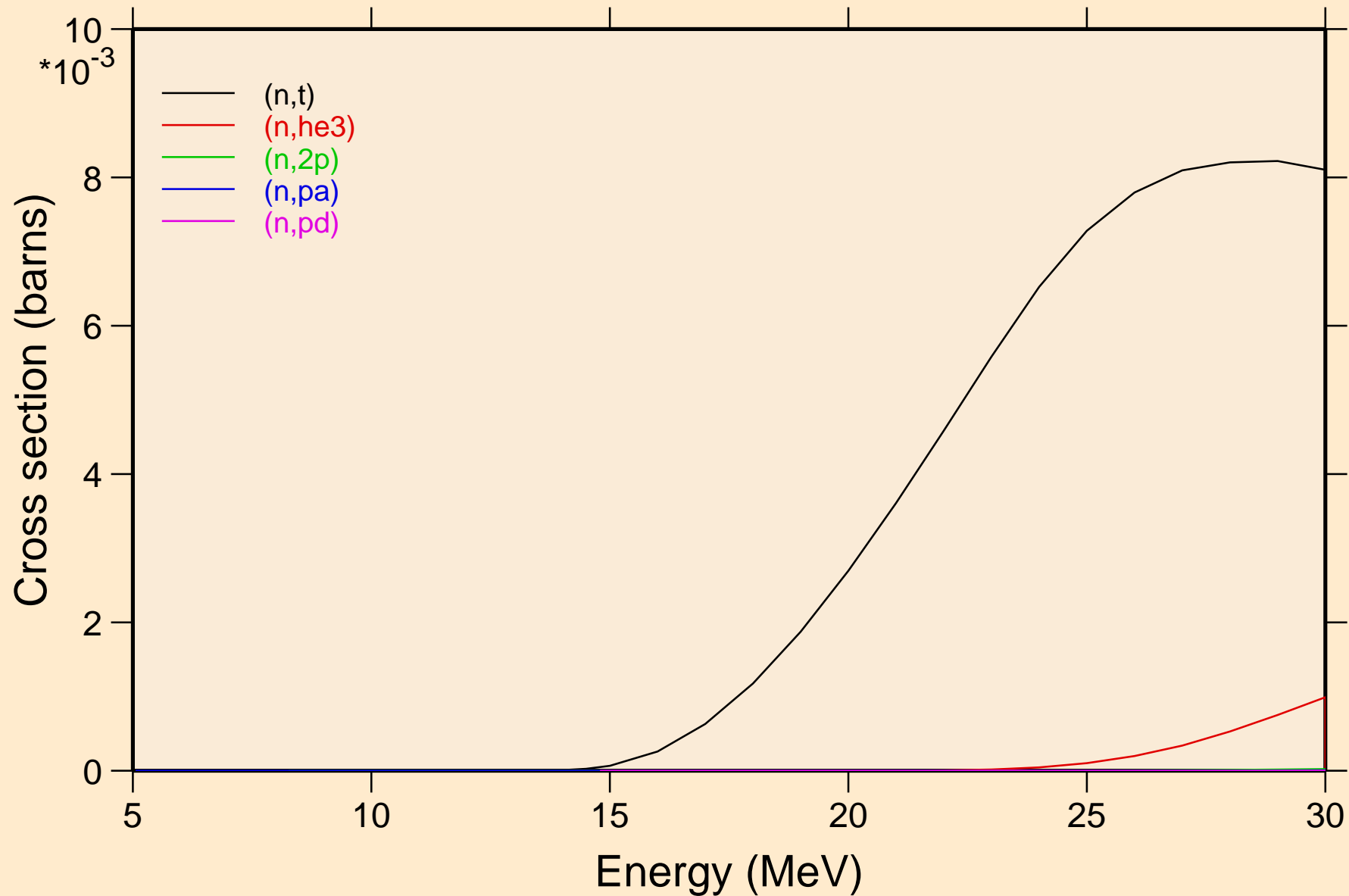
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## Threshold reactions



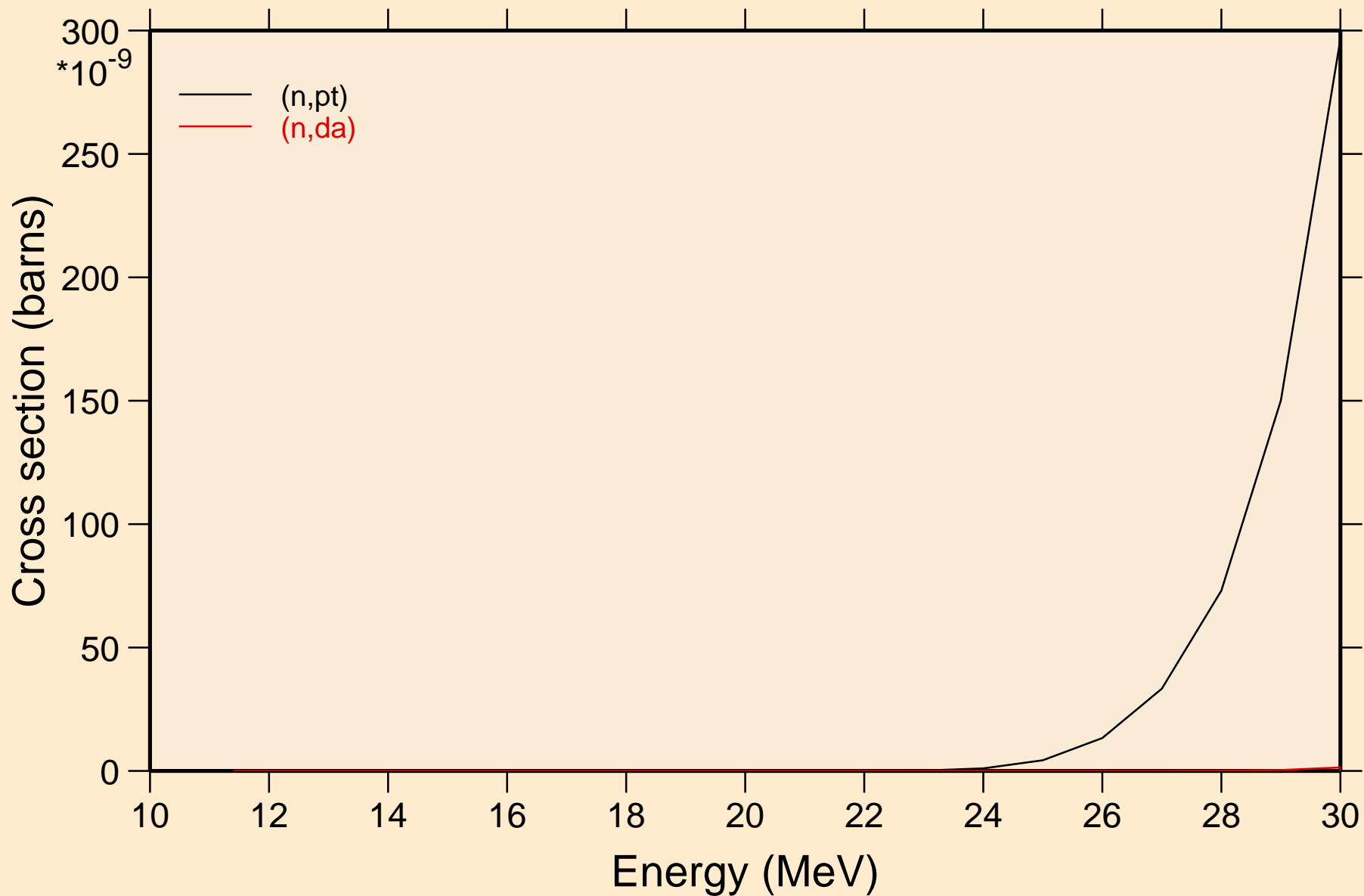
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## Threshold reactions



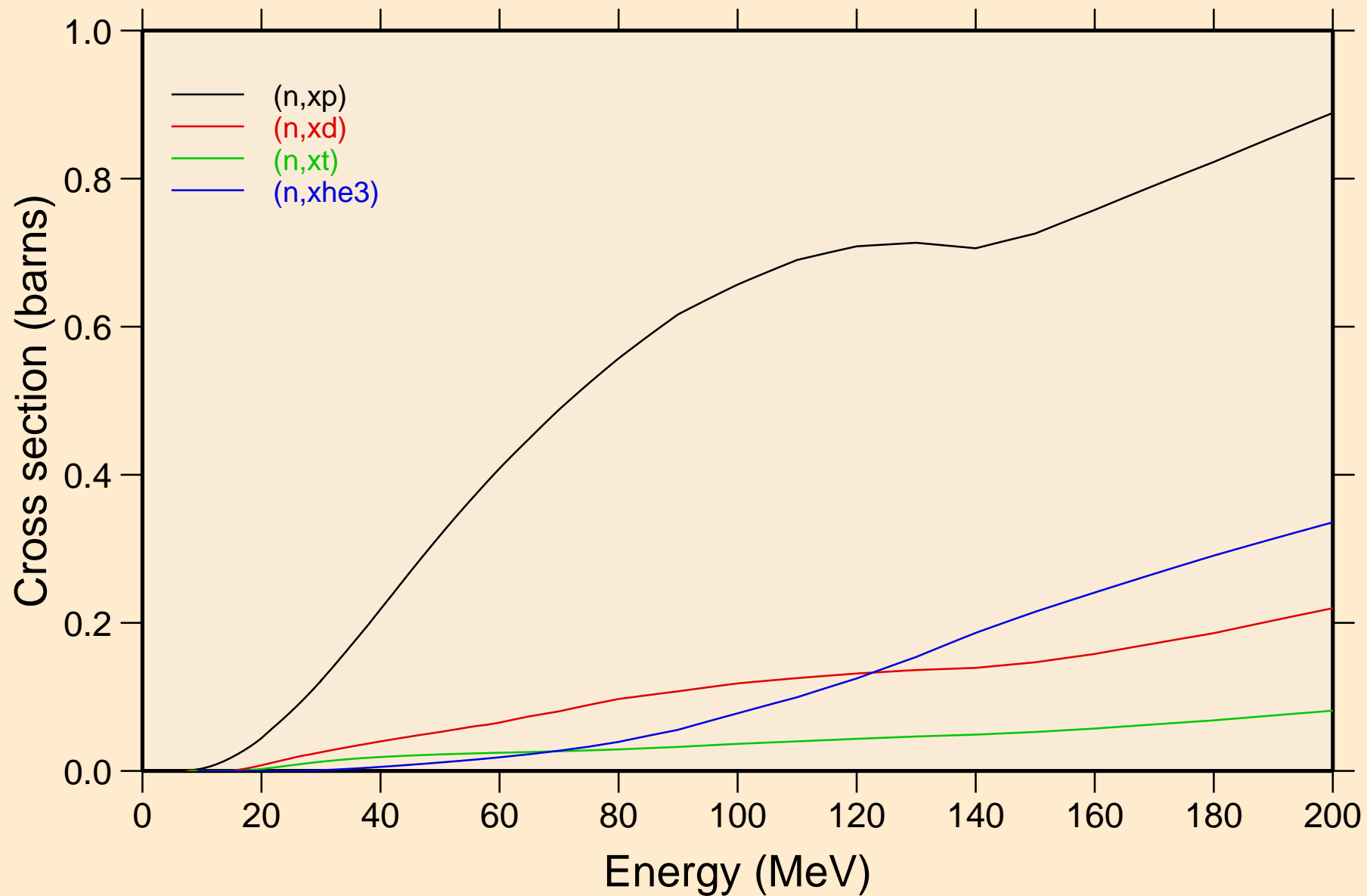
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## Threshold reactions

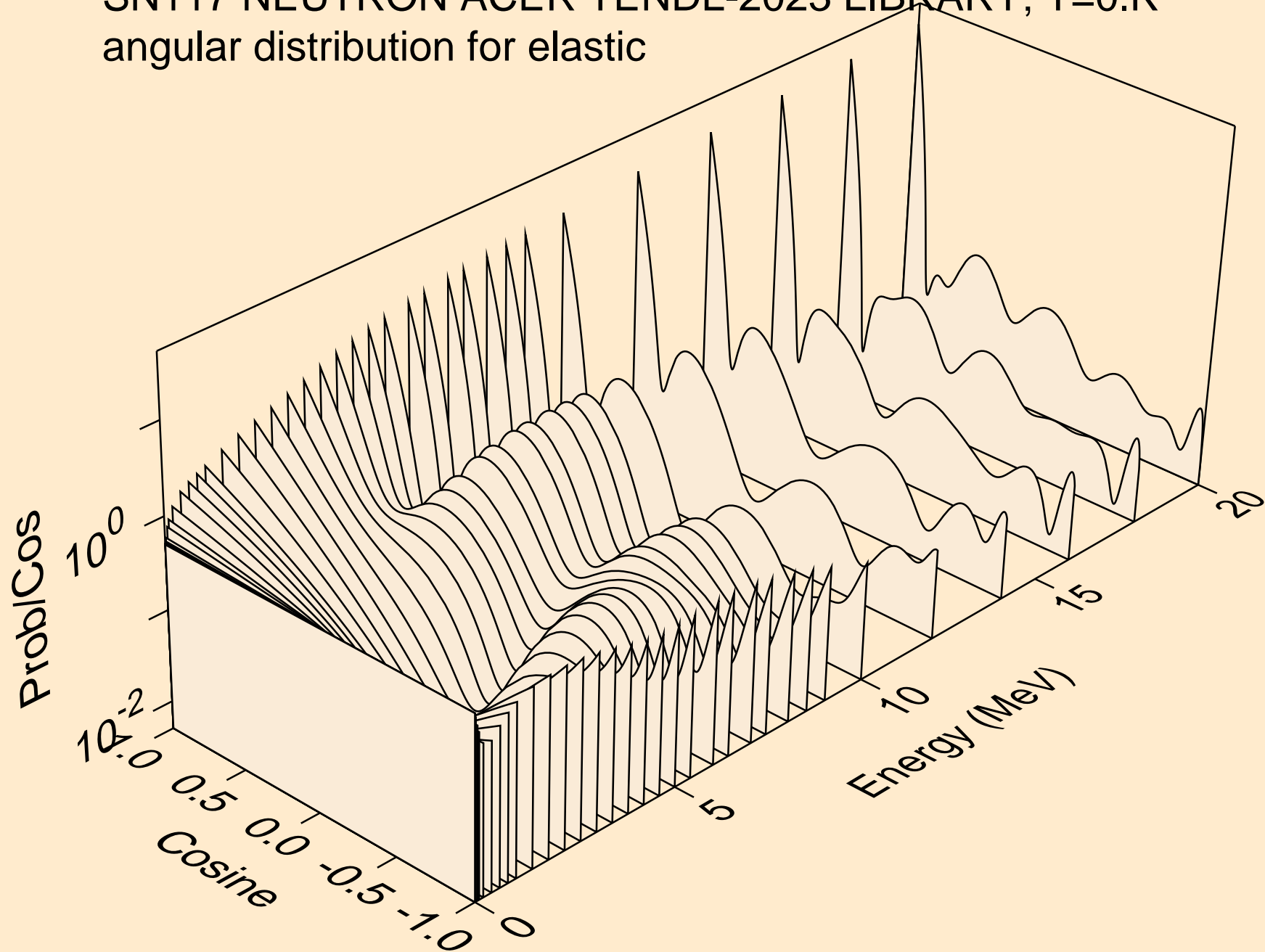


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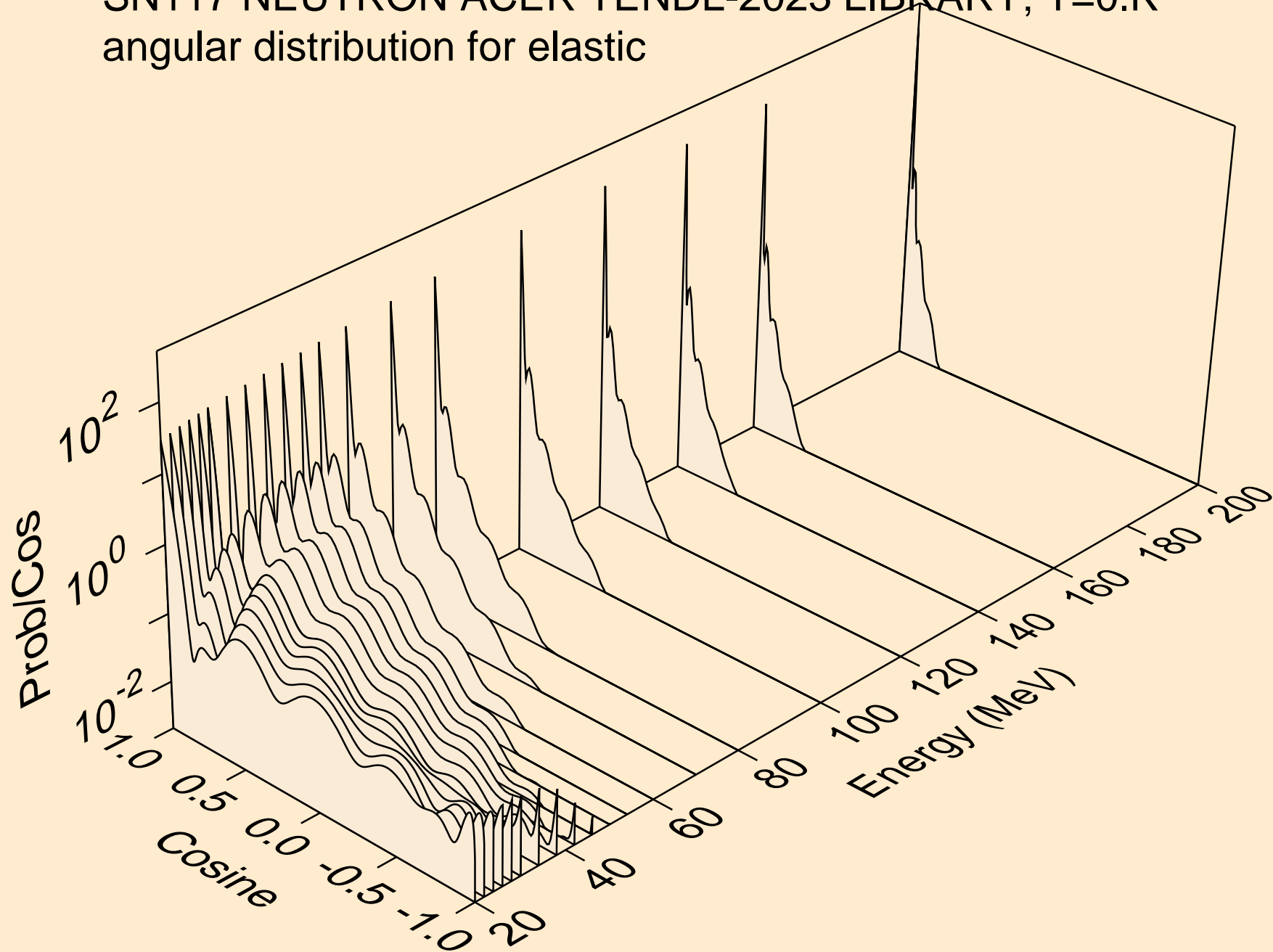
## Threshold reactions



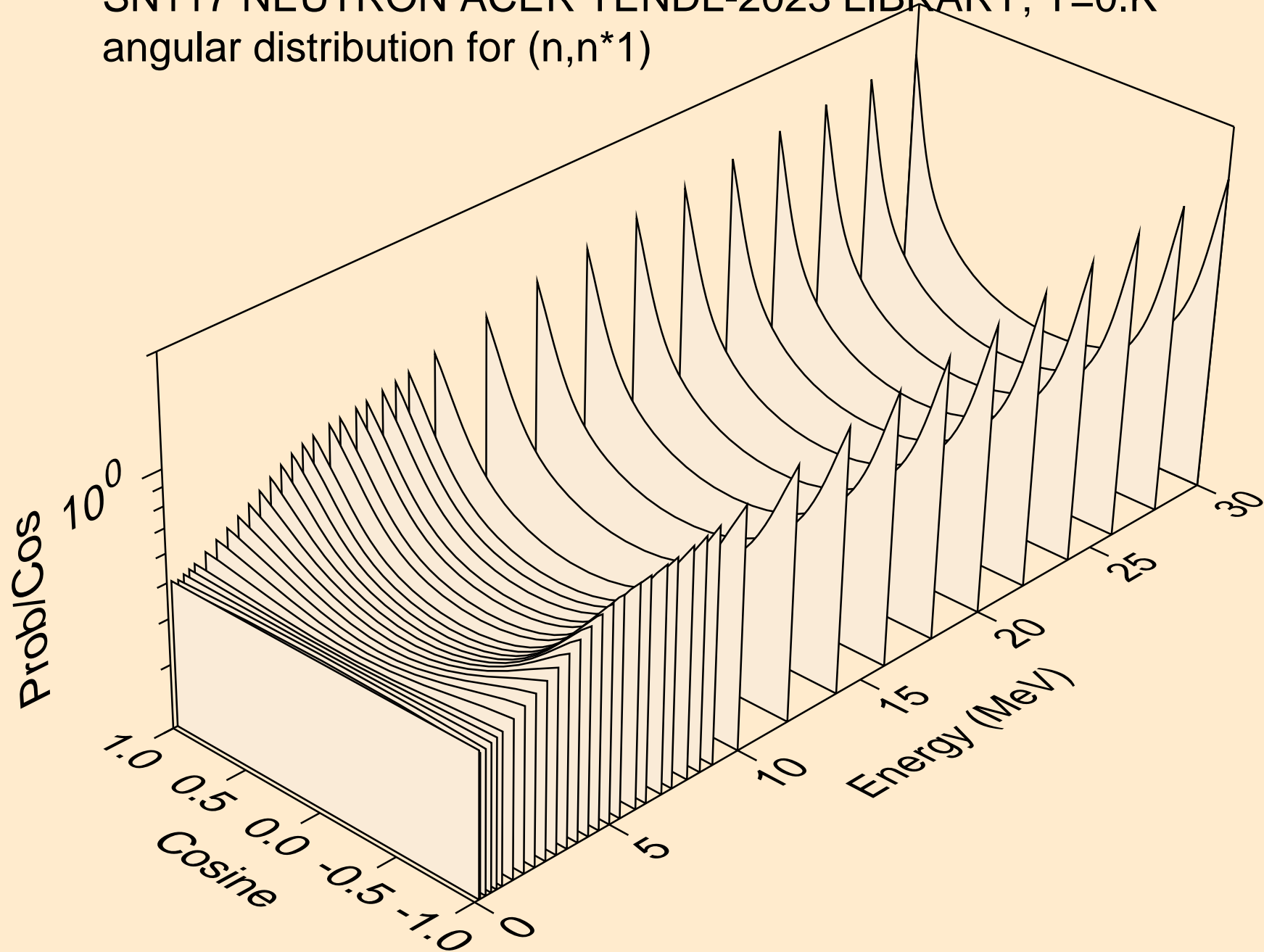
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



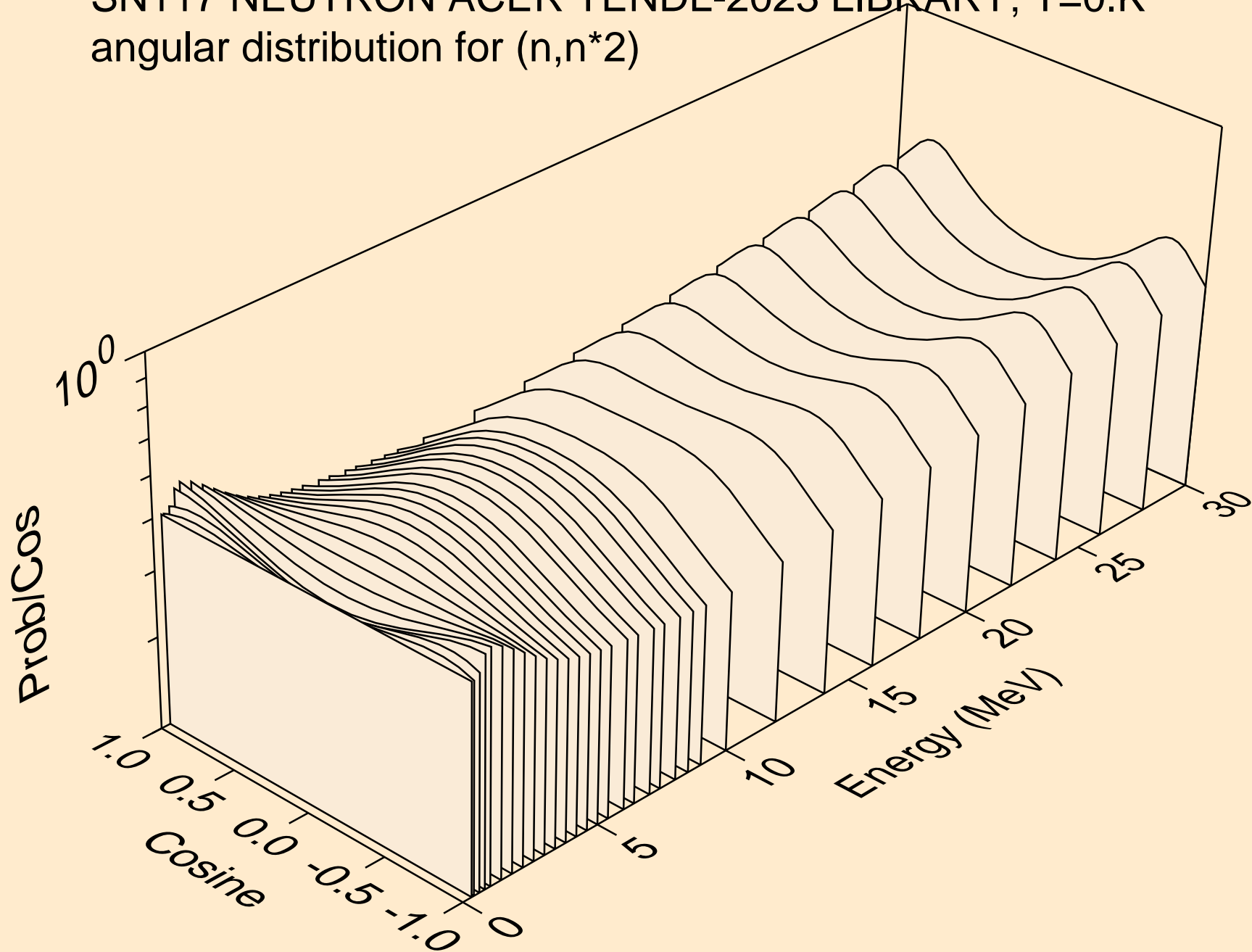
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

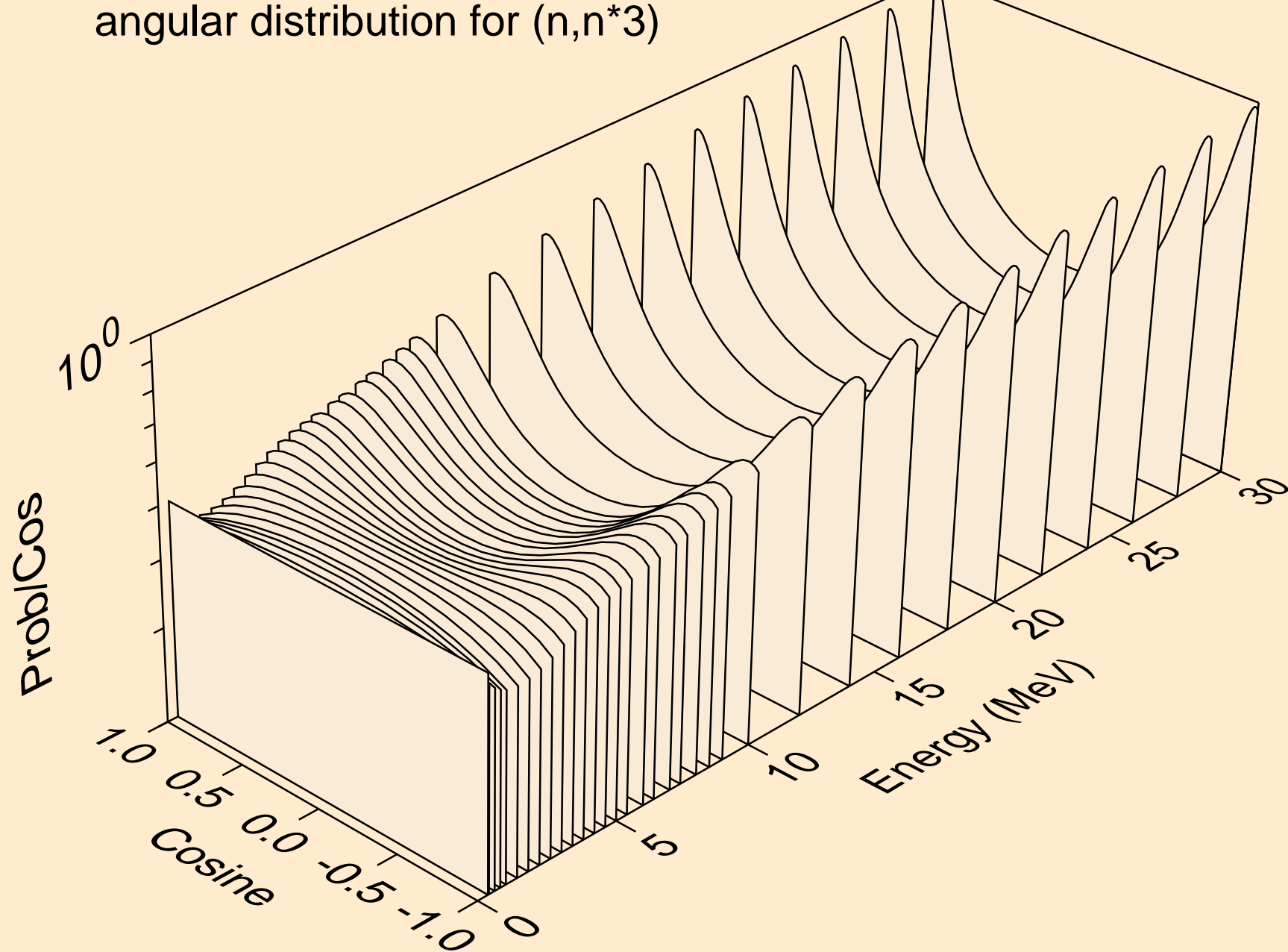


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

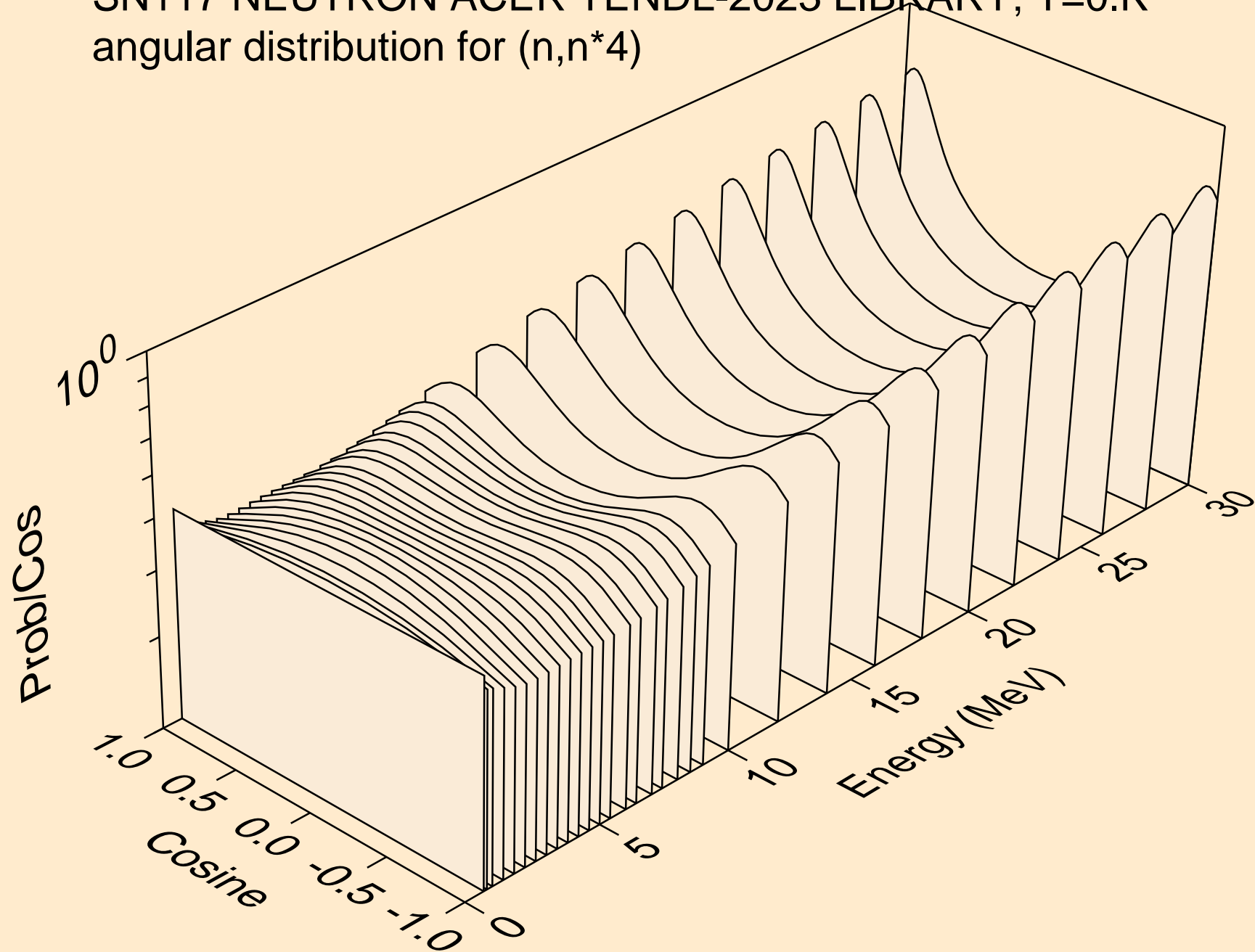




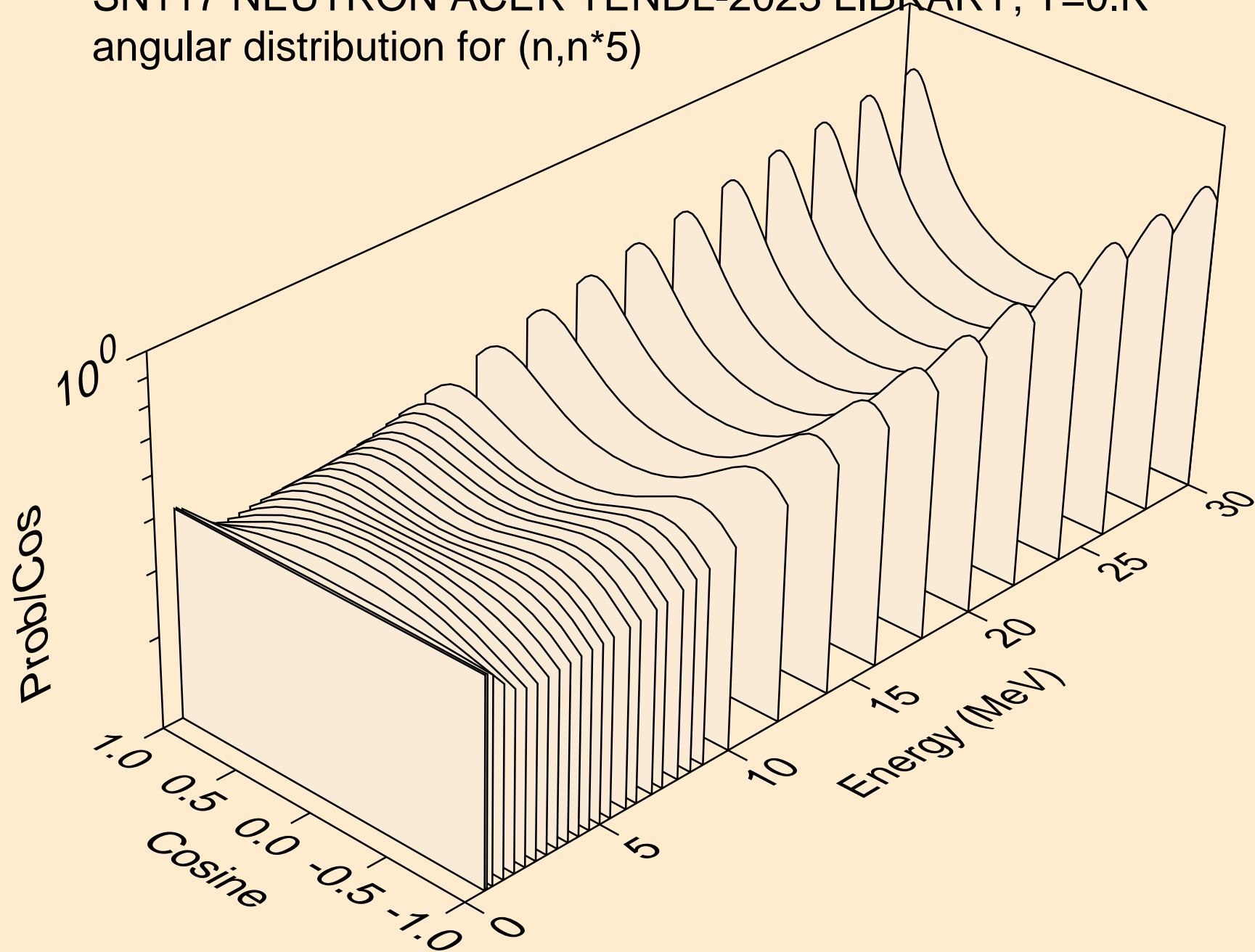
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angular distribution for (n,n\*3)



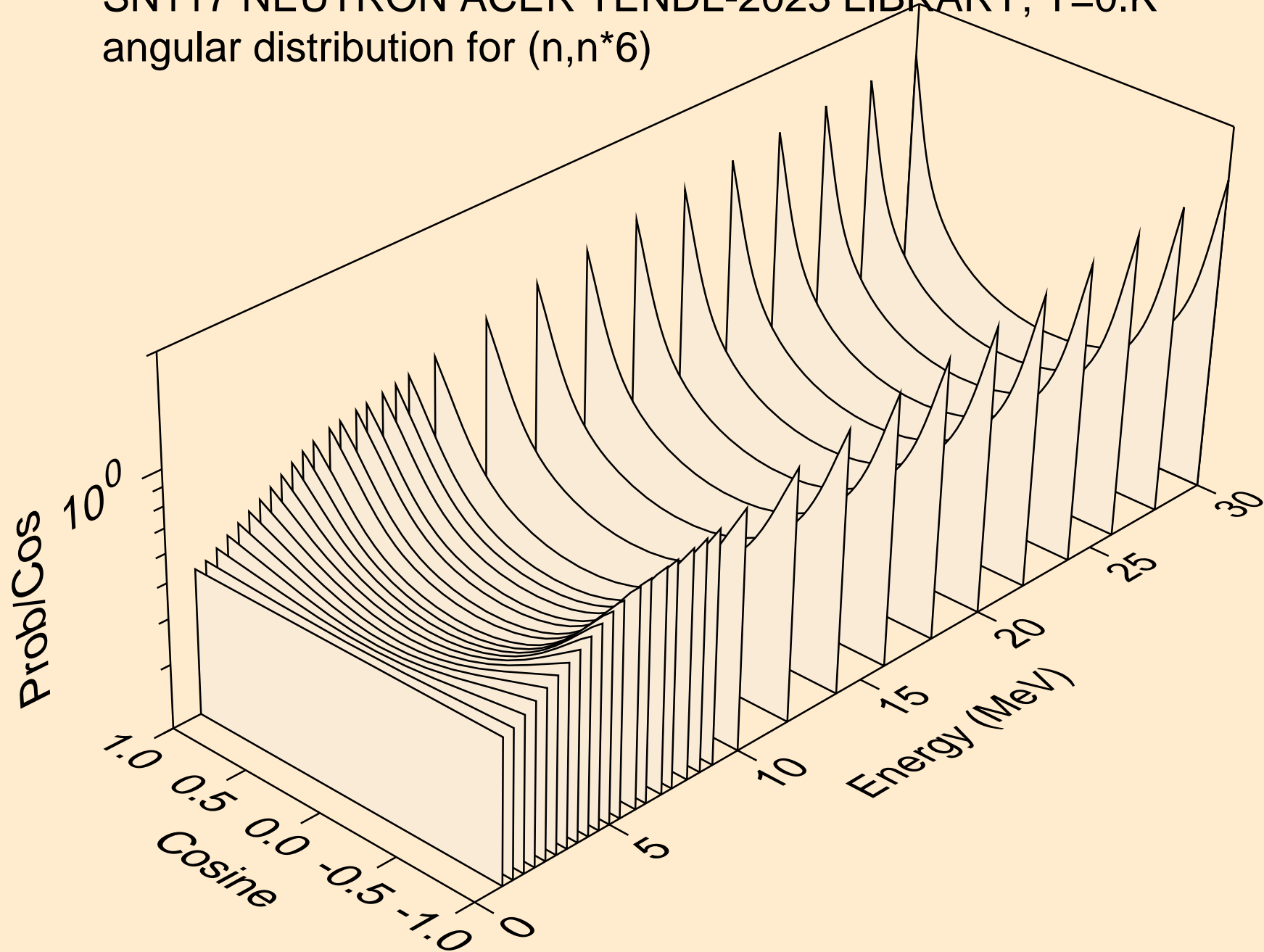
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angular distribution for (n,n\*4)



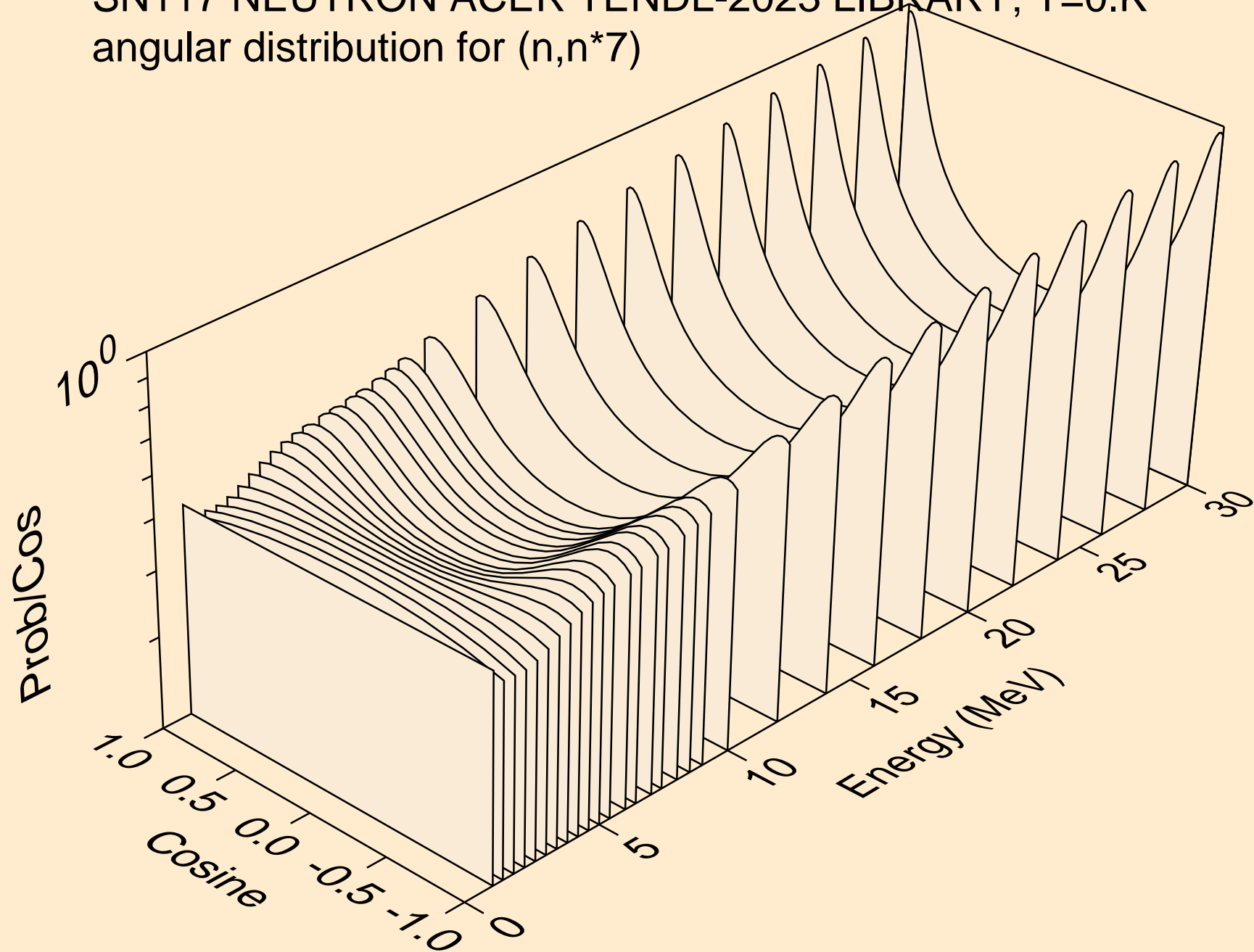
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angular distribution for (n,n\*5)



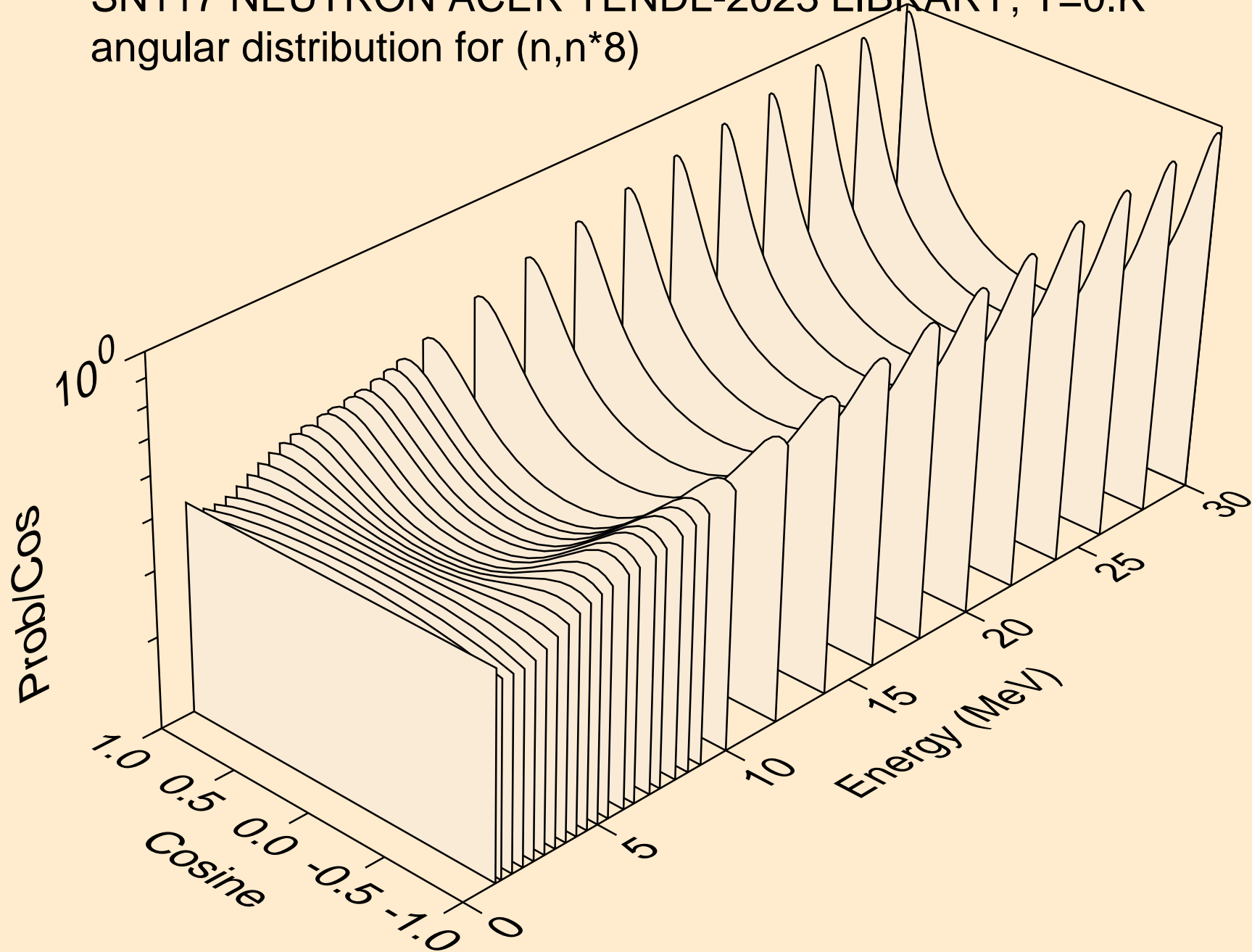
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angular distribution for (n,n\*6)



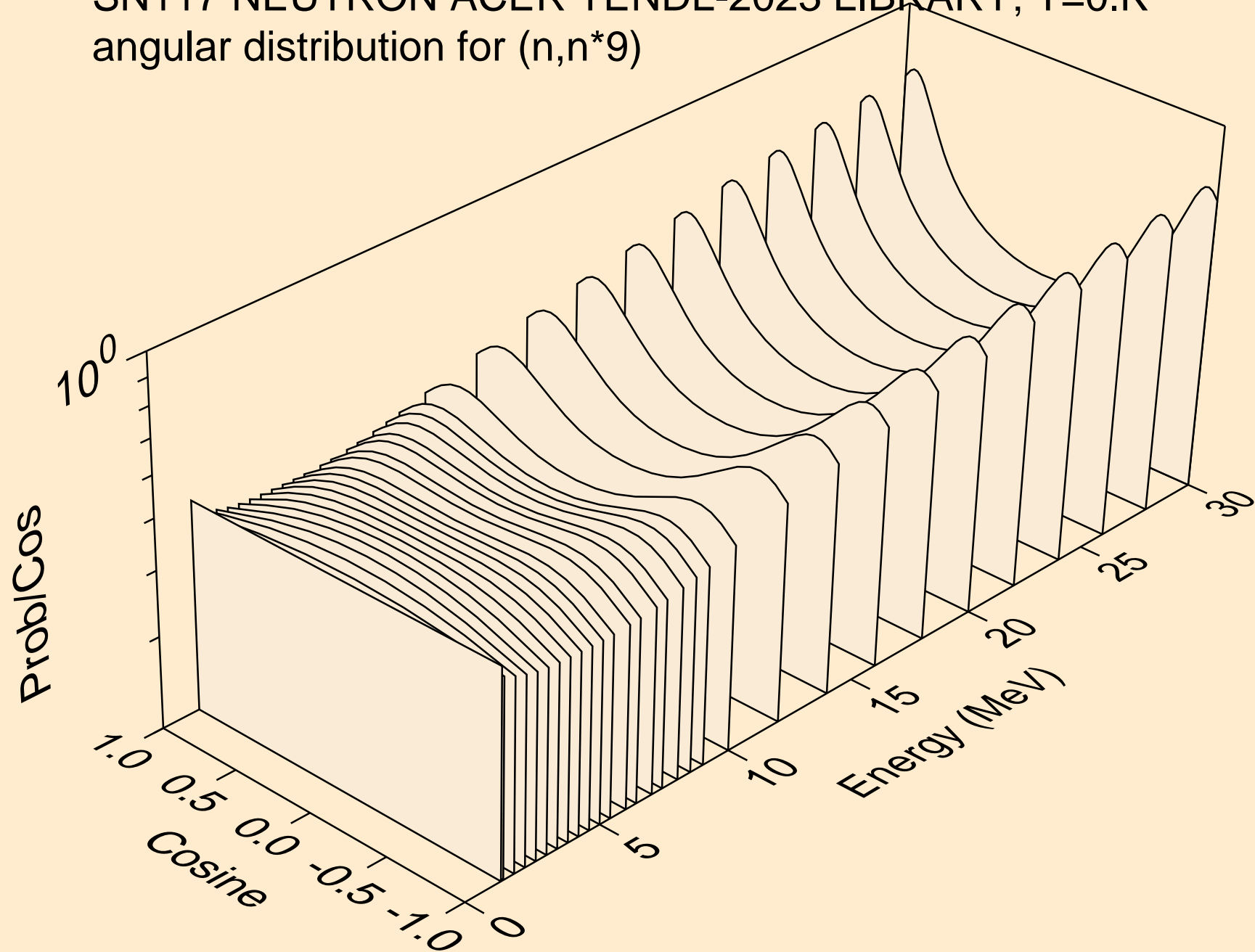
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angular distribution for (n,n\*7)



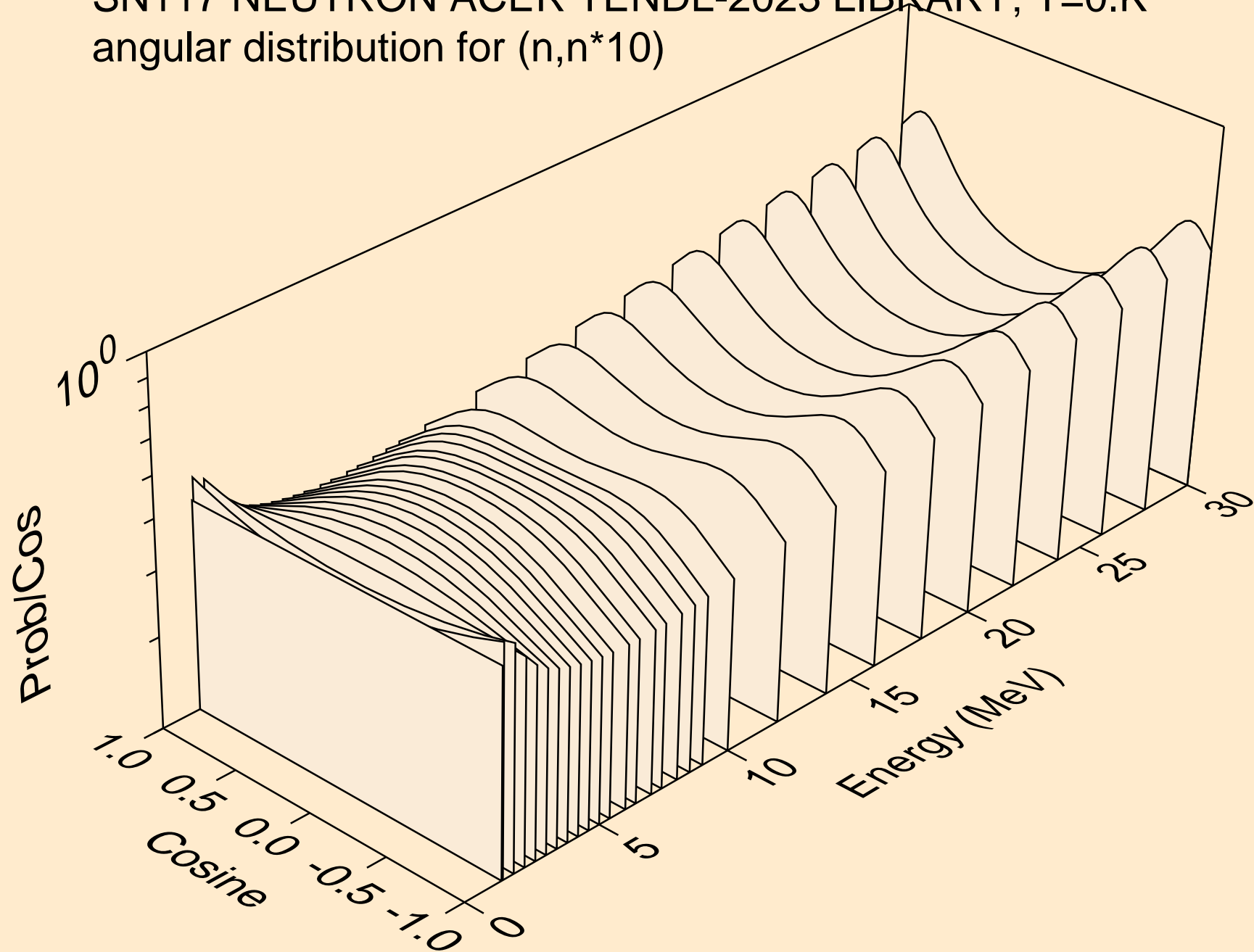
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

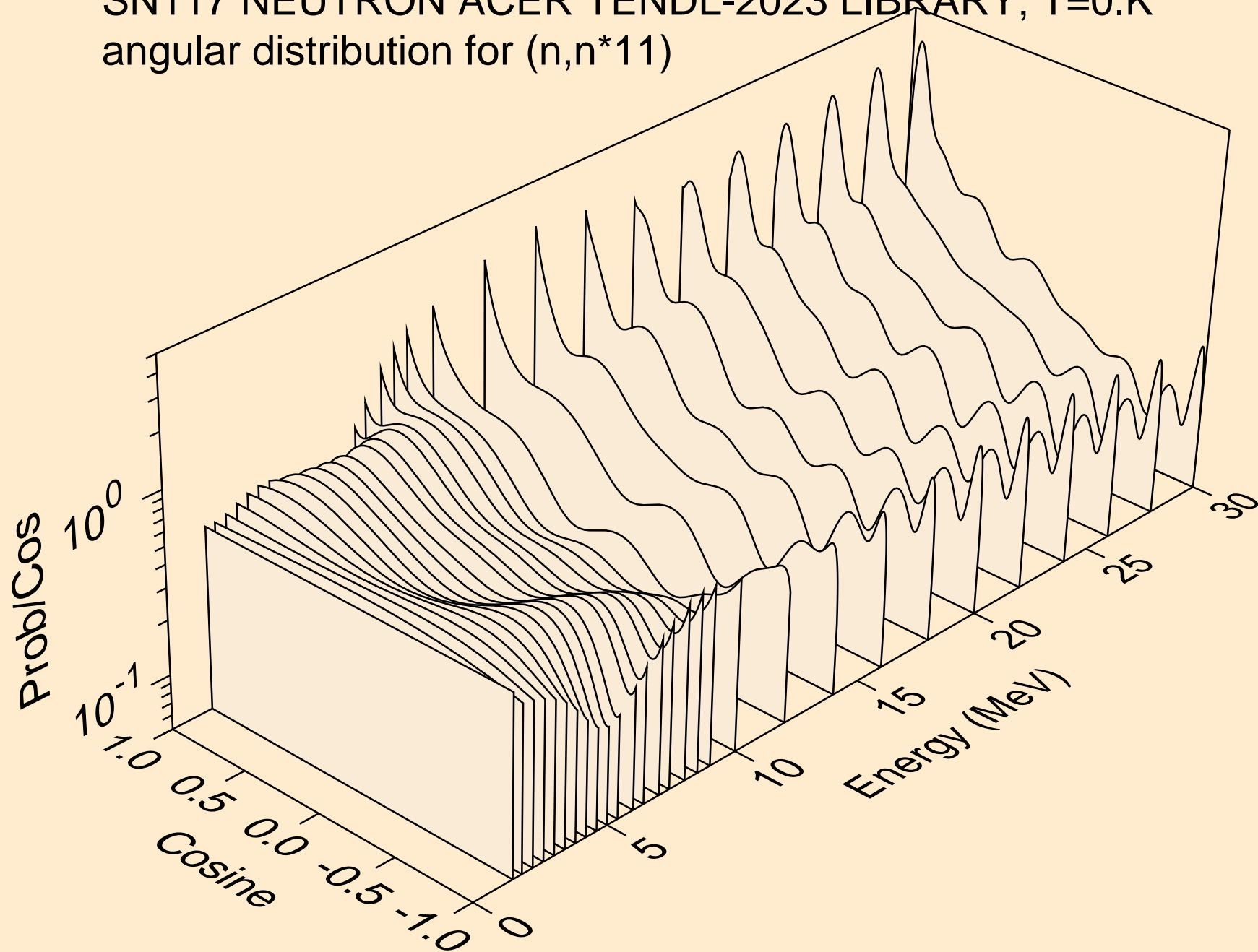


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

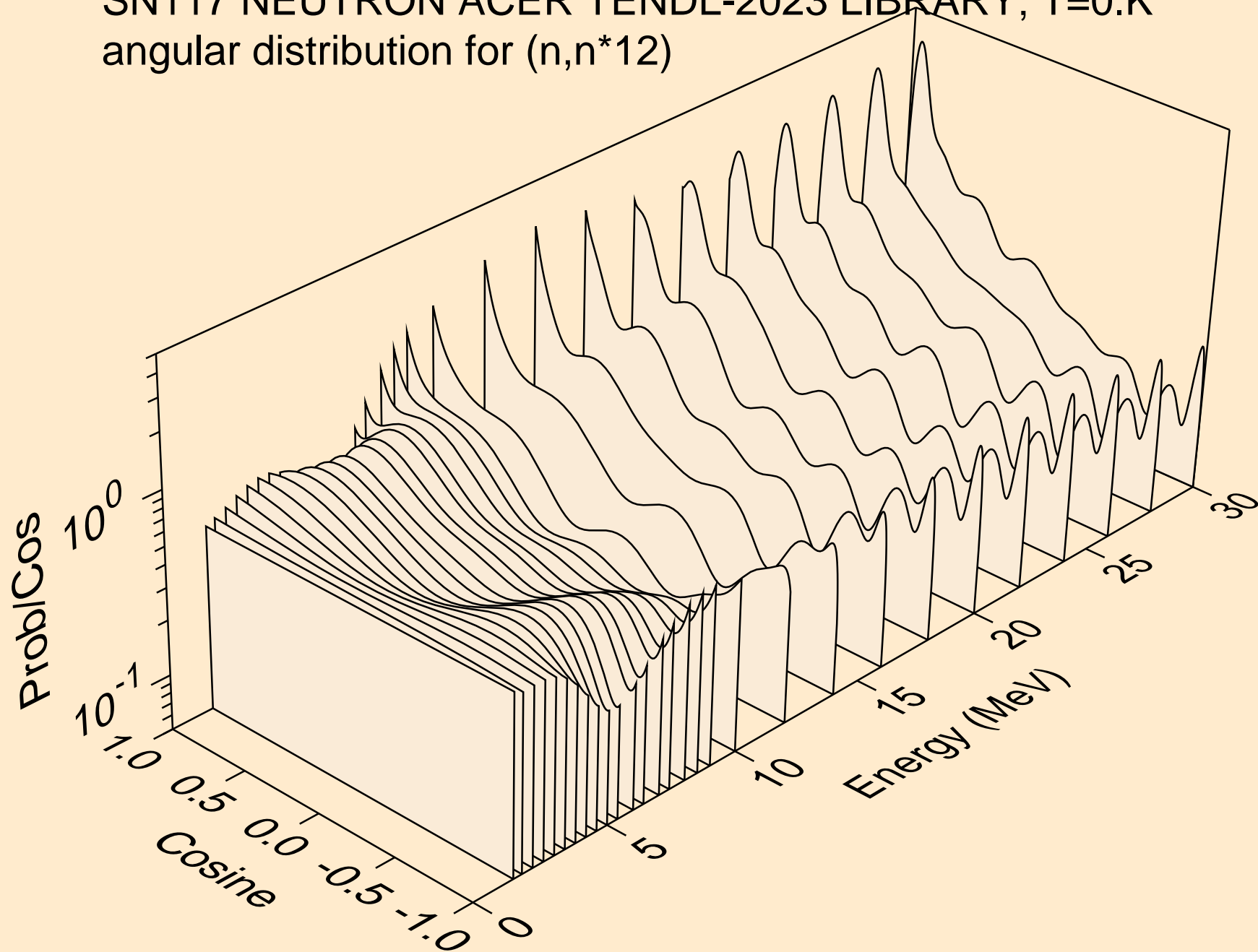




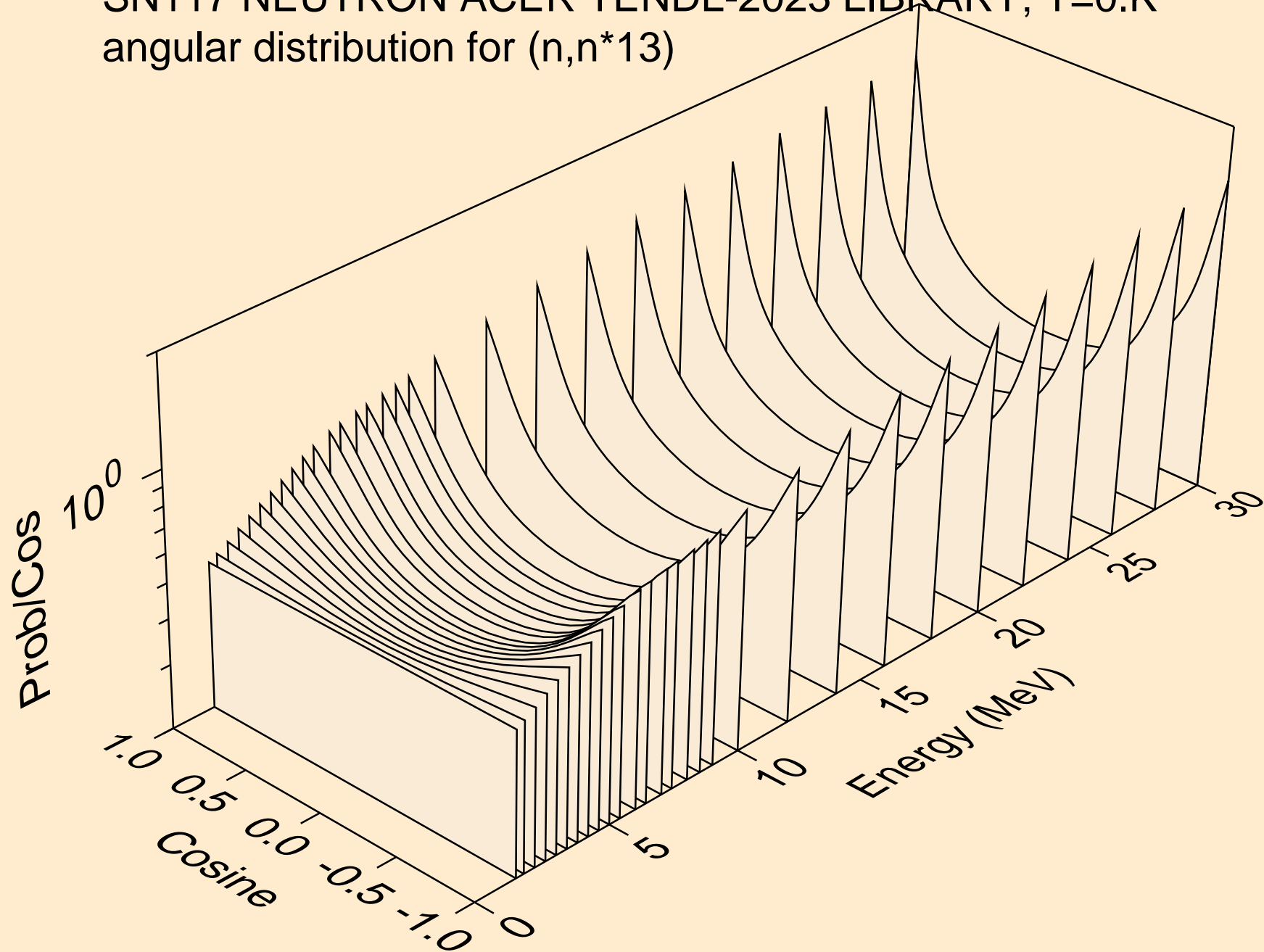
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angular distribution for (n,n\*11)



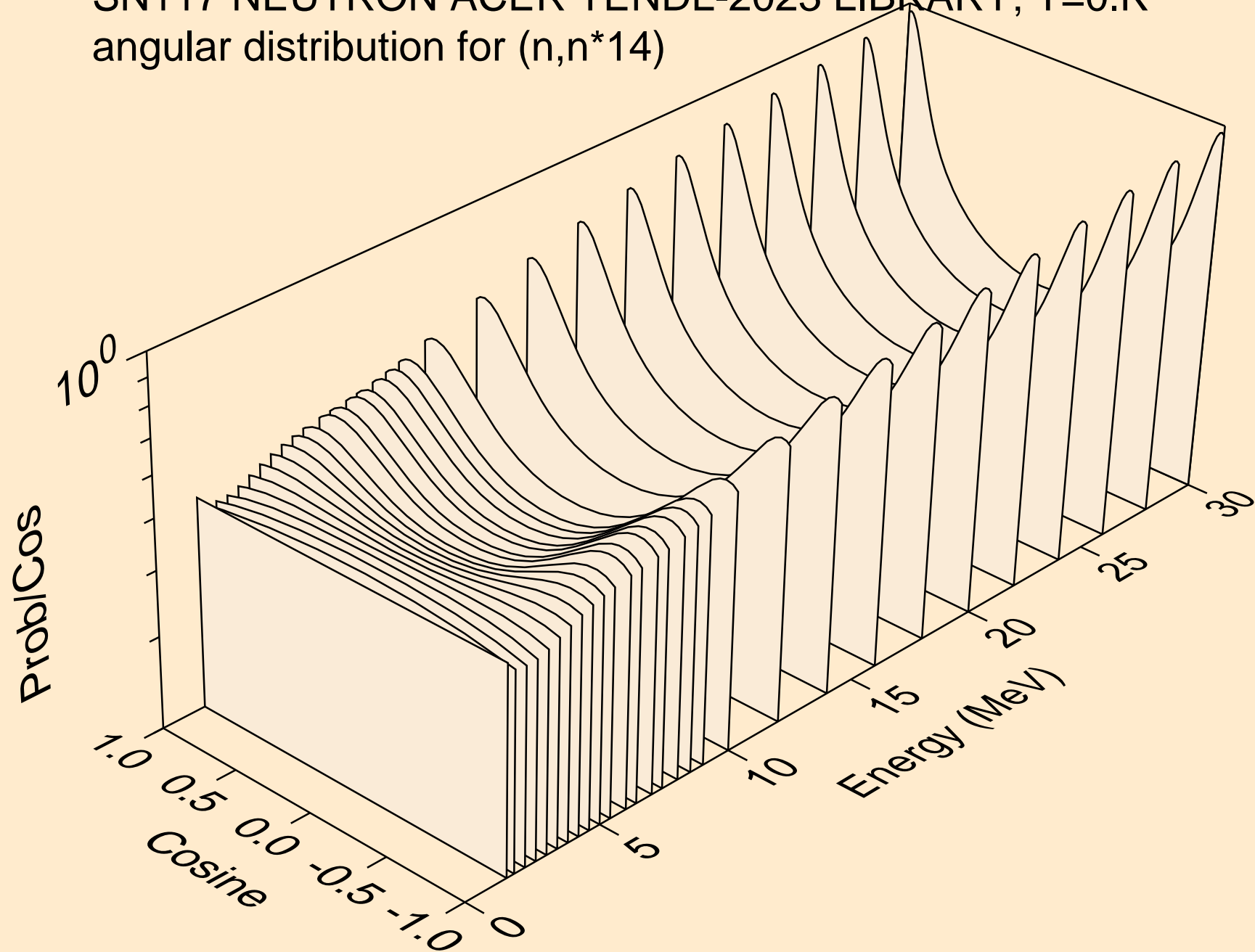
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angular distribution for (n,n\*12)



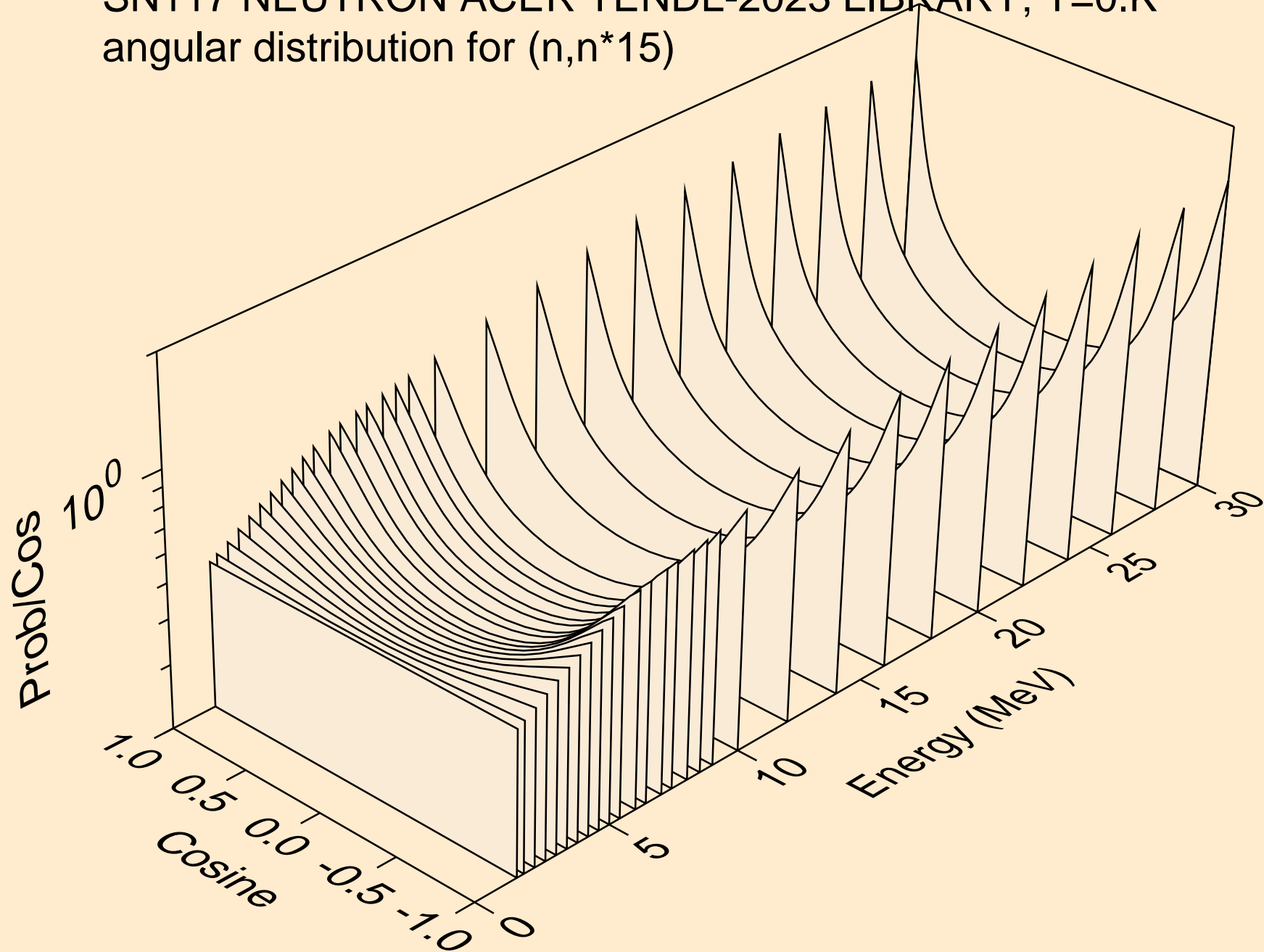
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angular distribution for (n,n\*13)



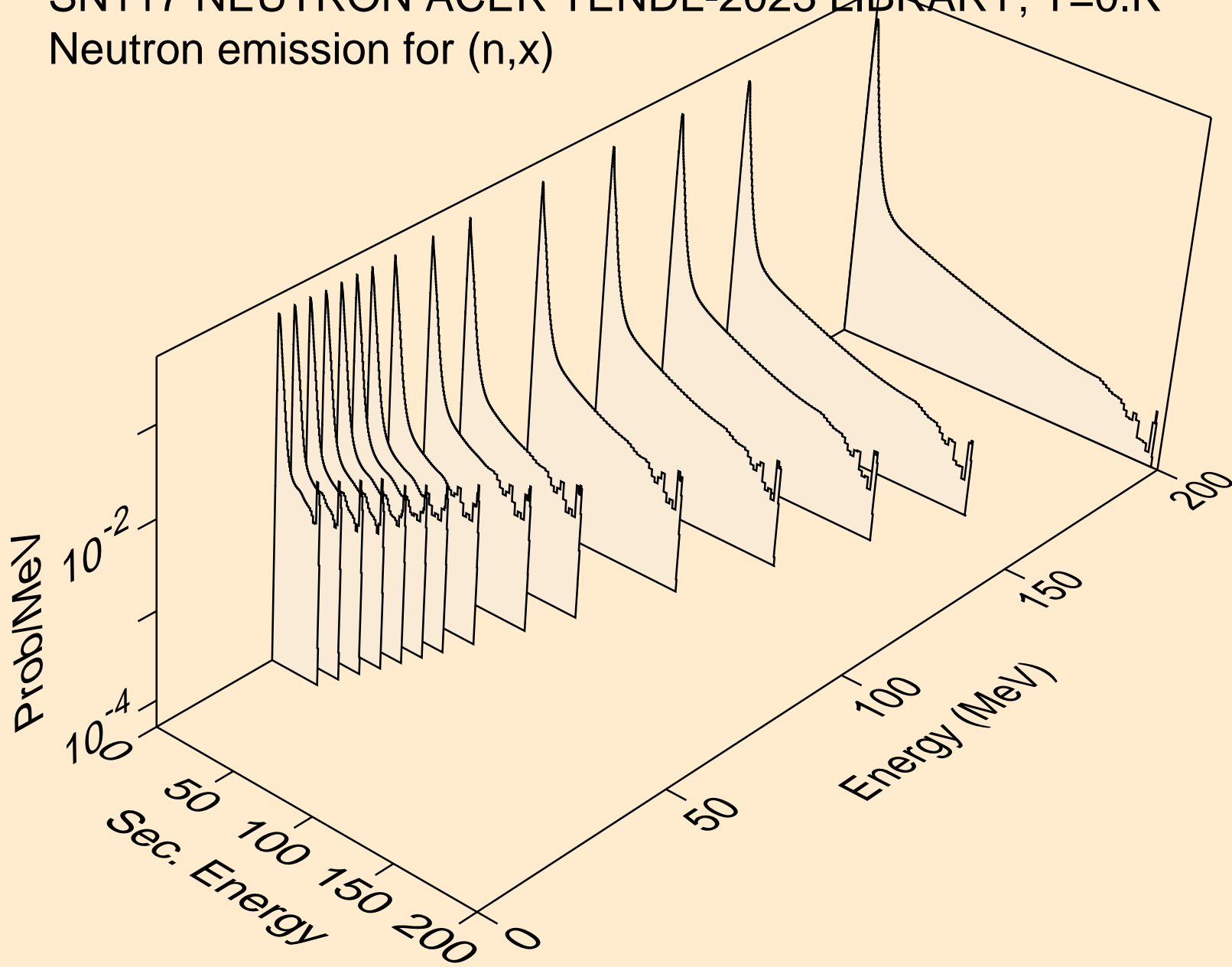
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angular distribution for (n,n\*14)



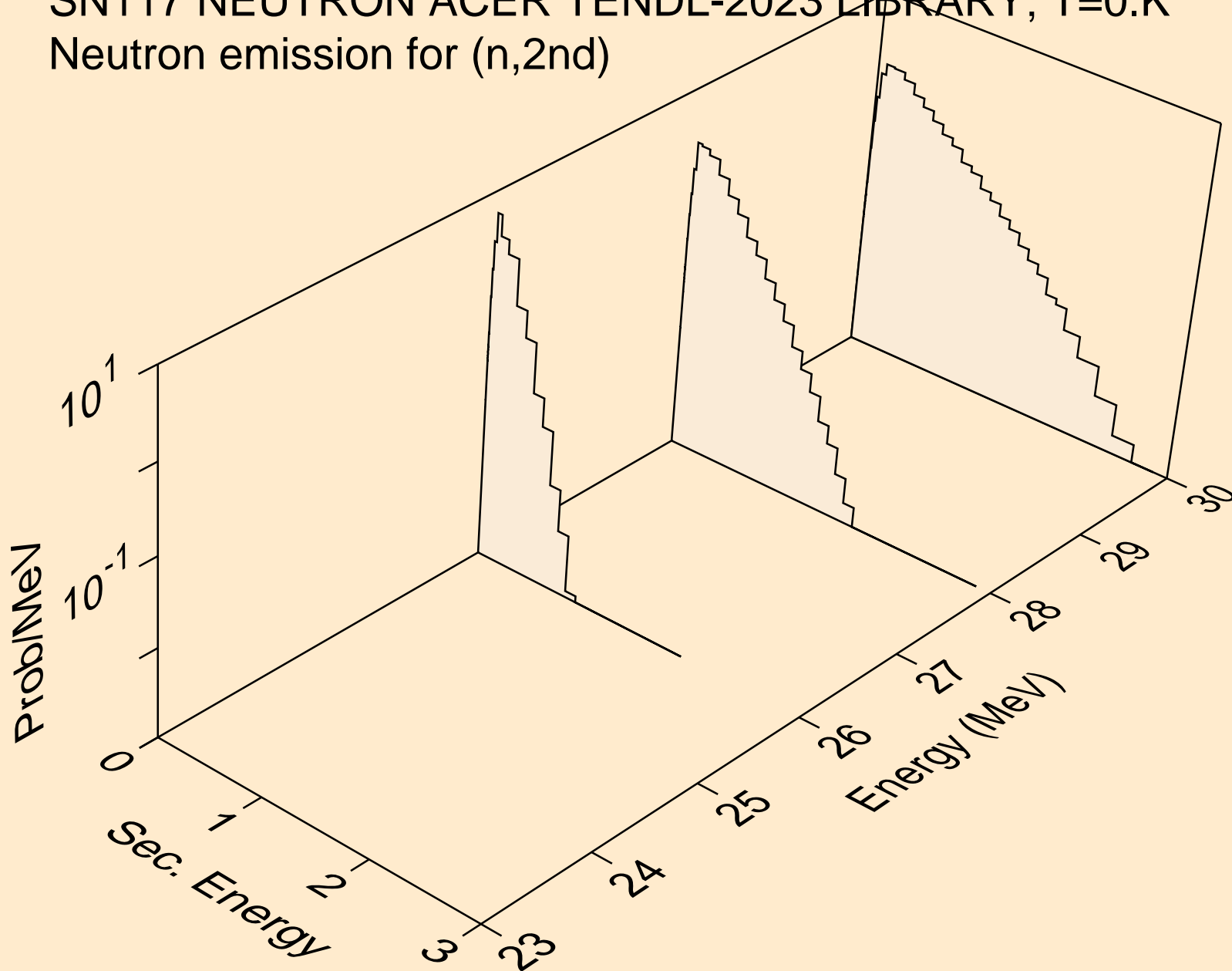
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angular distribution for (n,n\*15)



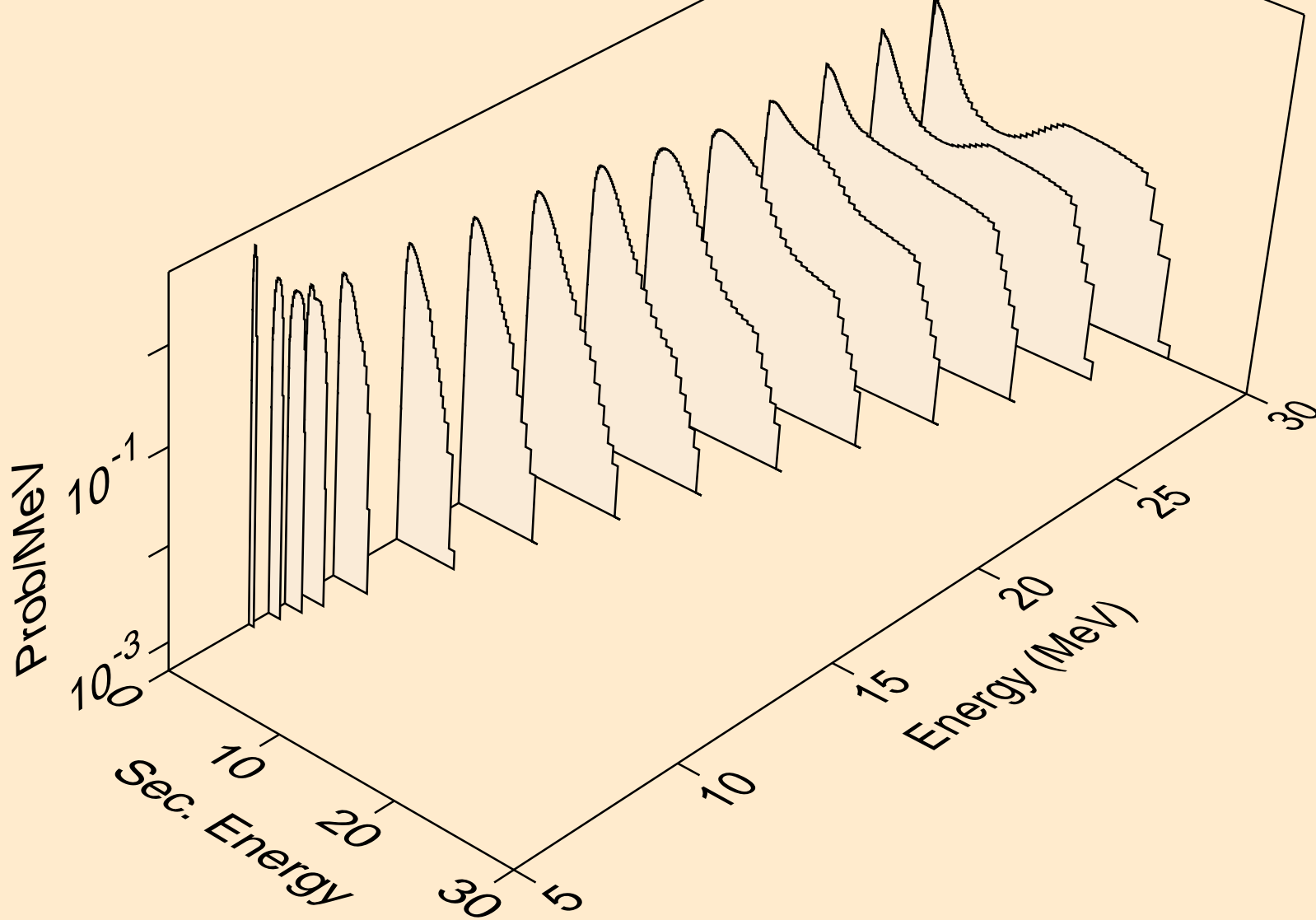
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

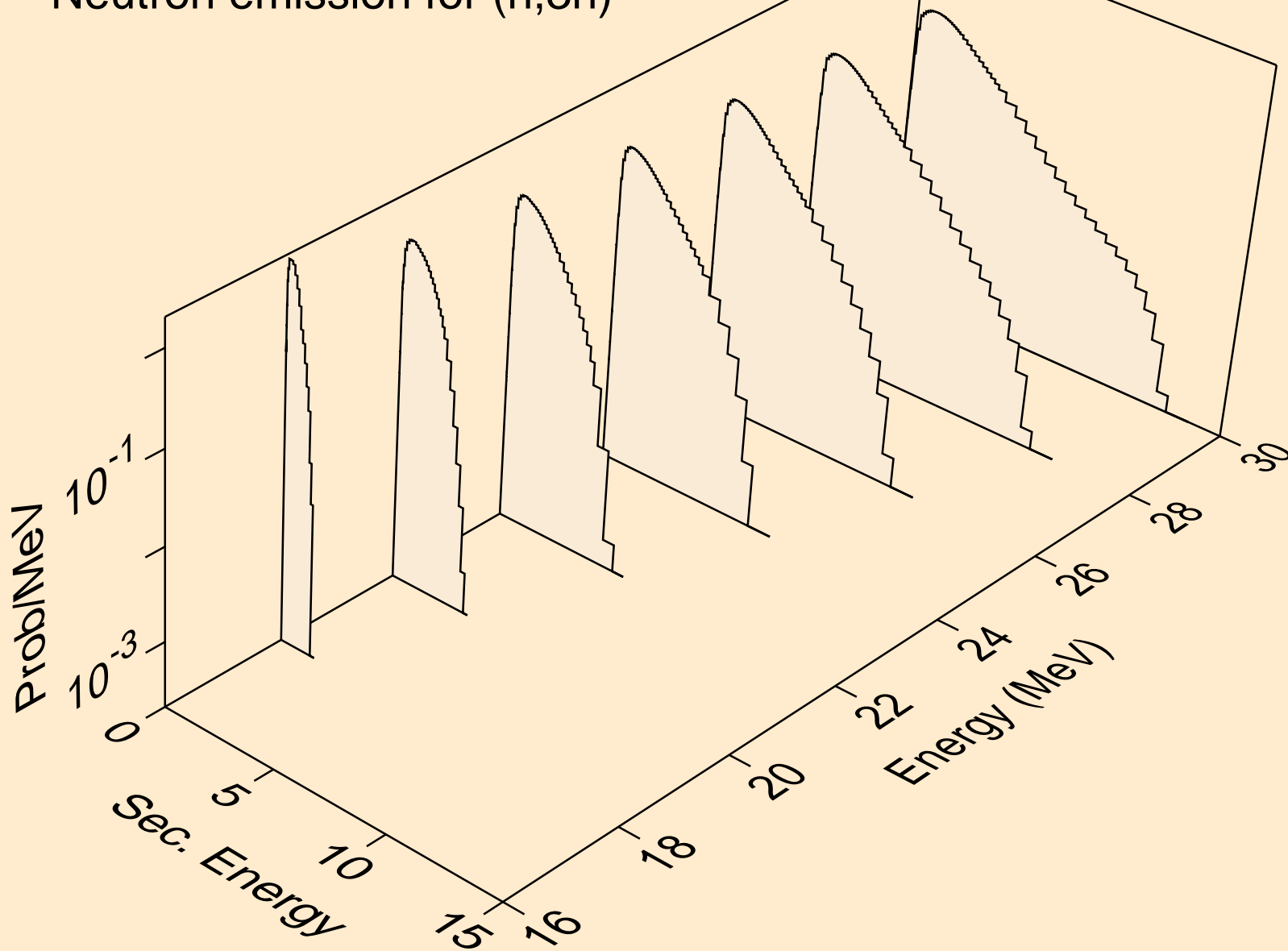


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

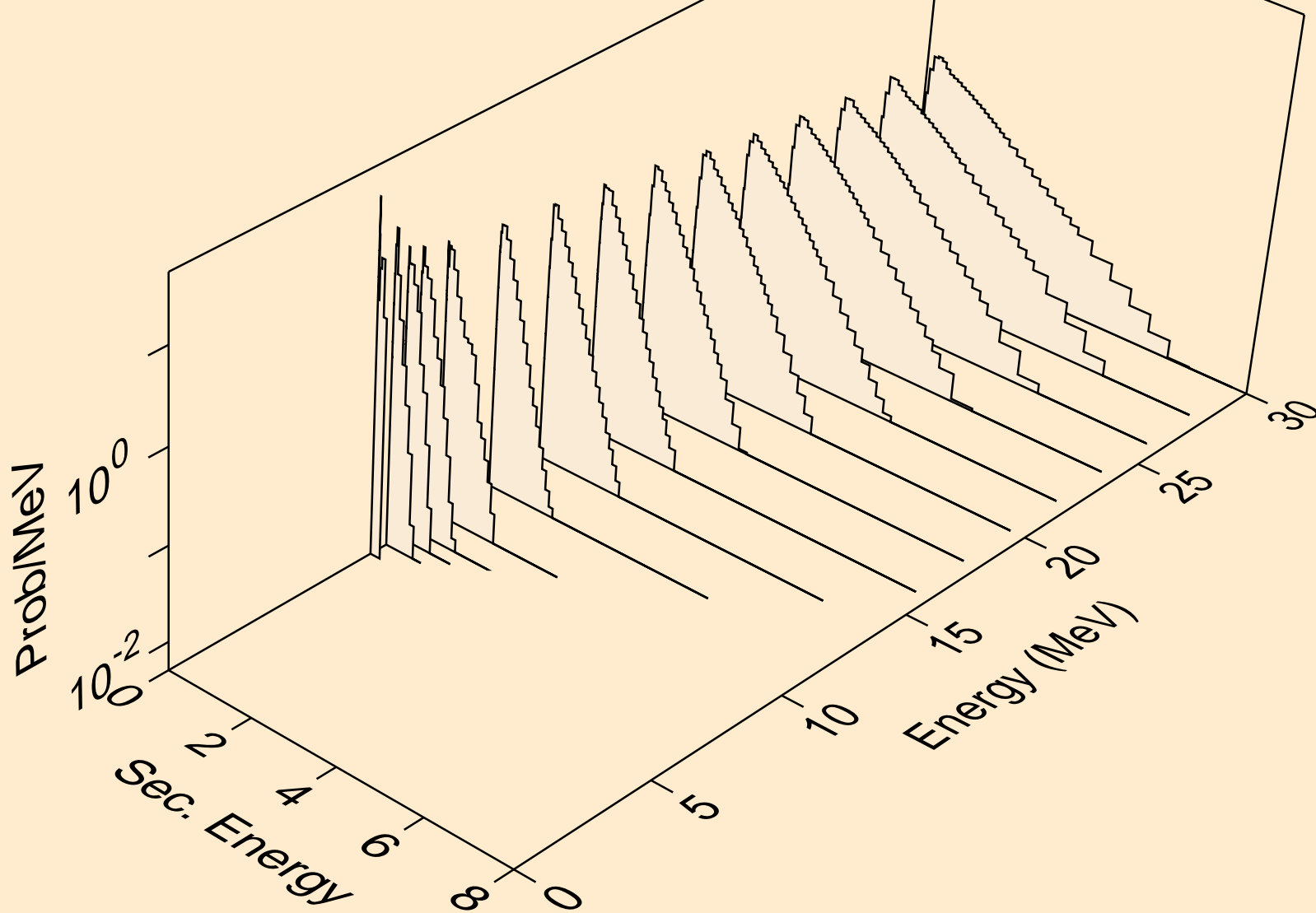




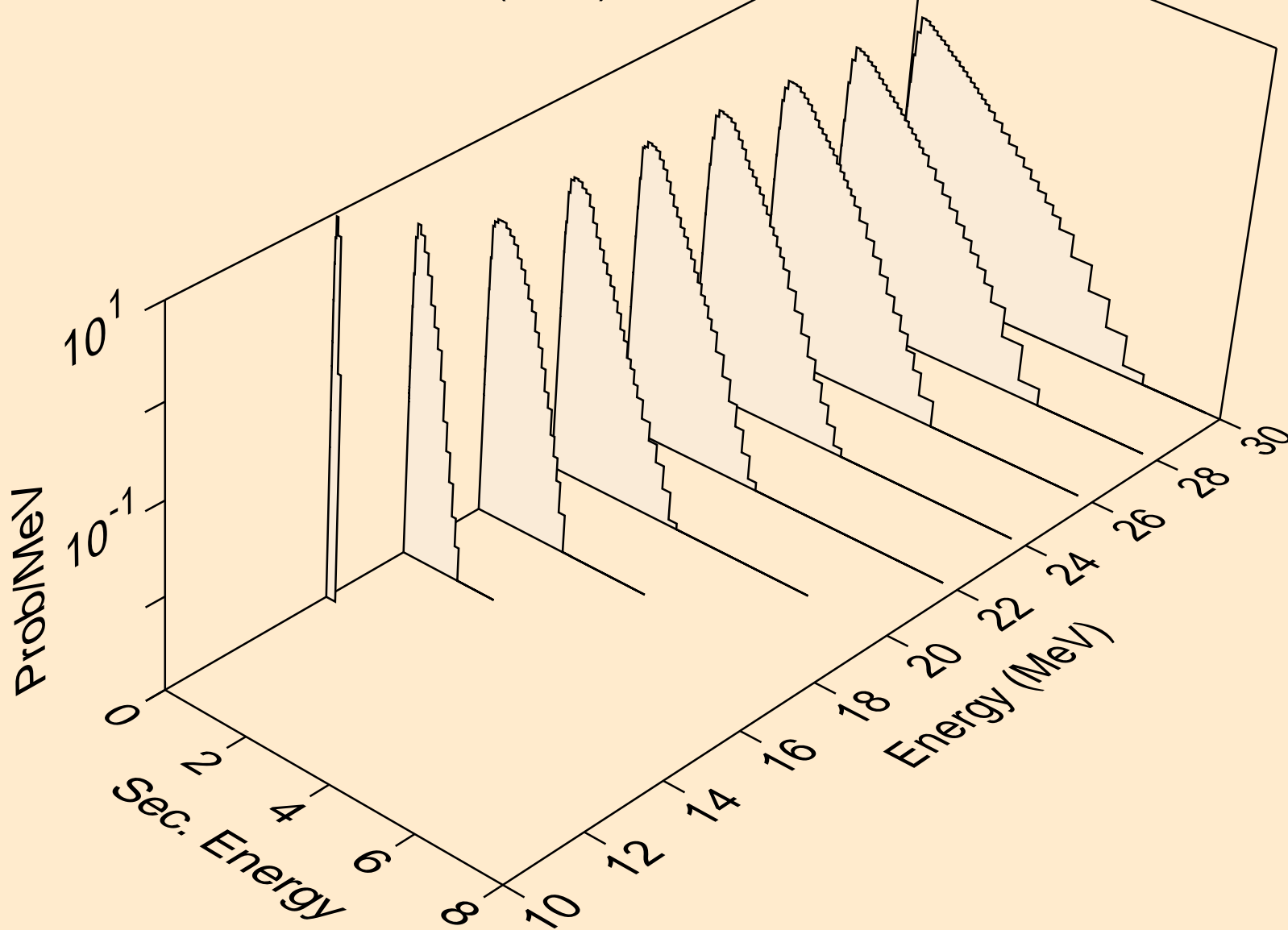
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



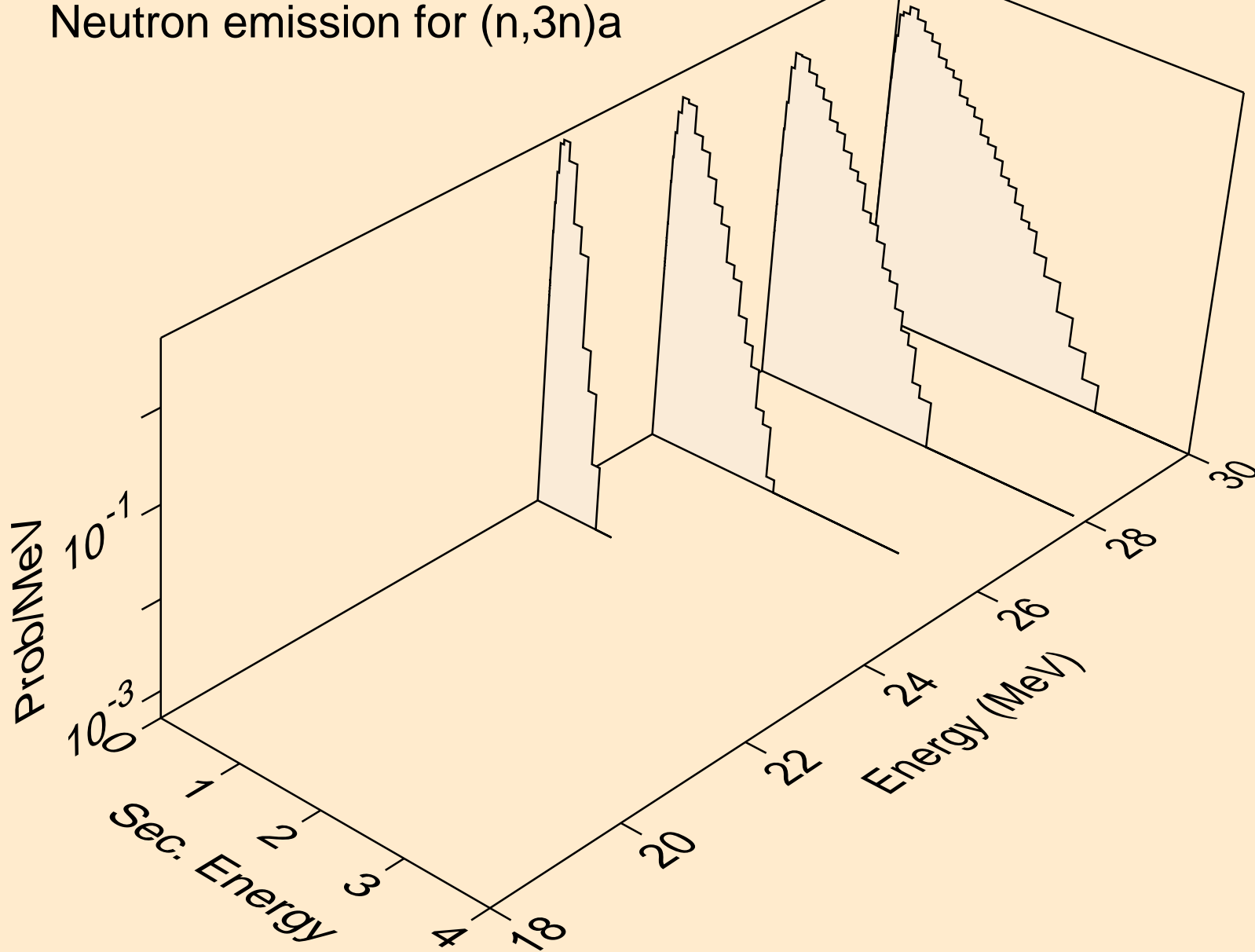
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



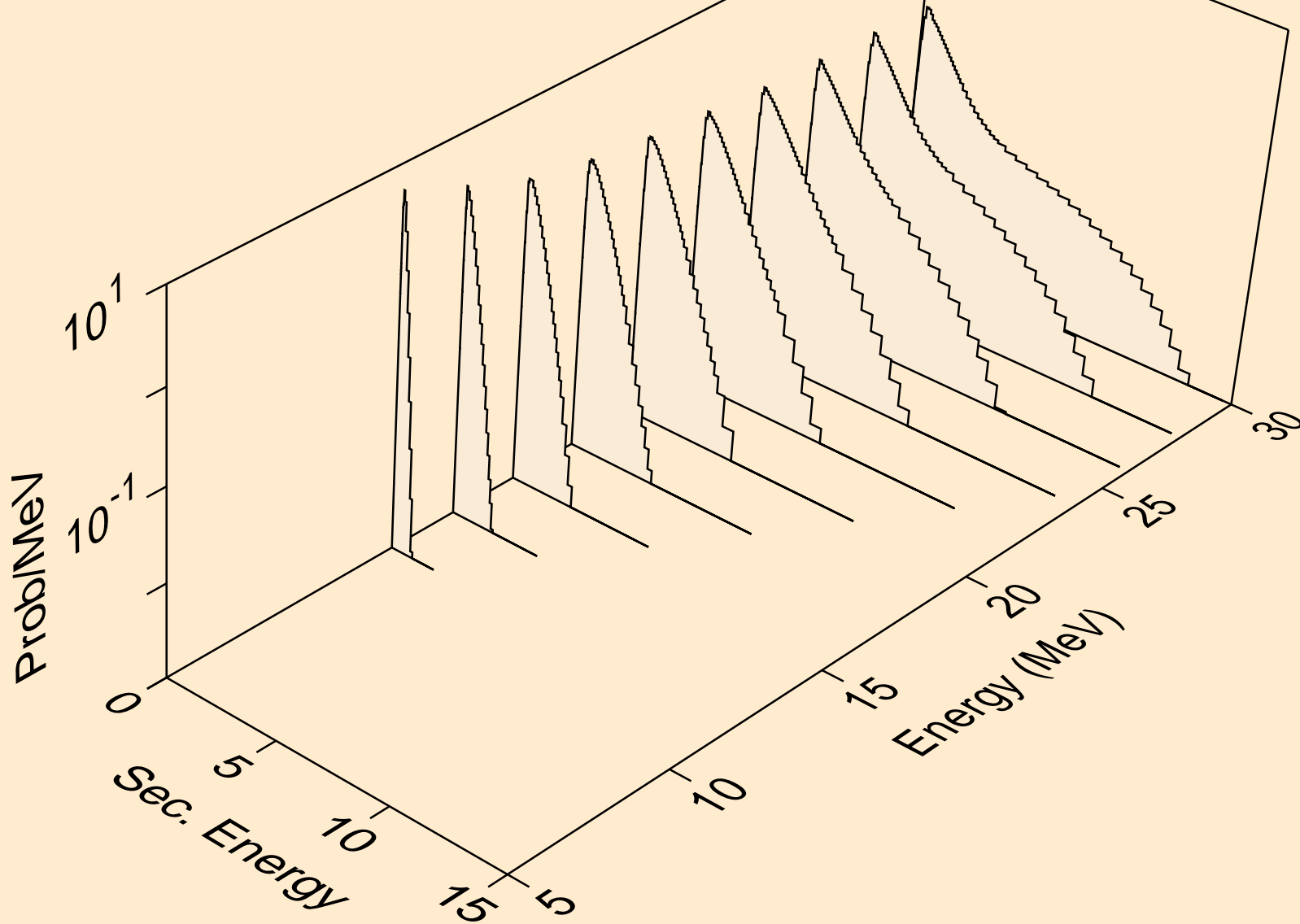
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Neutron emission for (n,2n)a



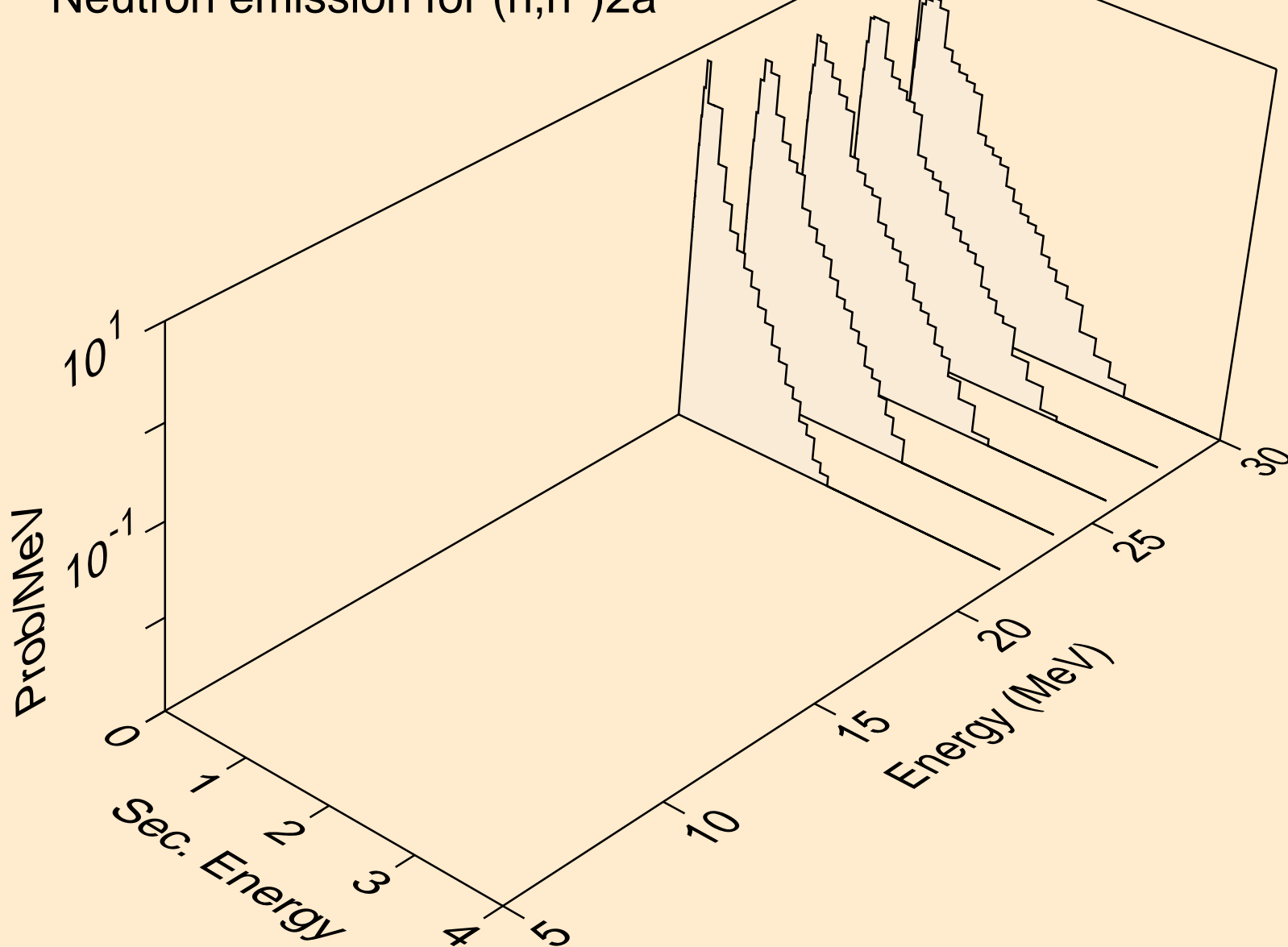
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Neutron emission for (n,3n)a



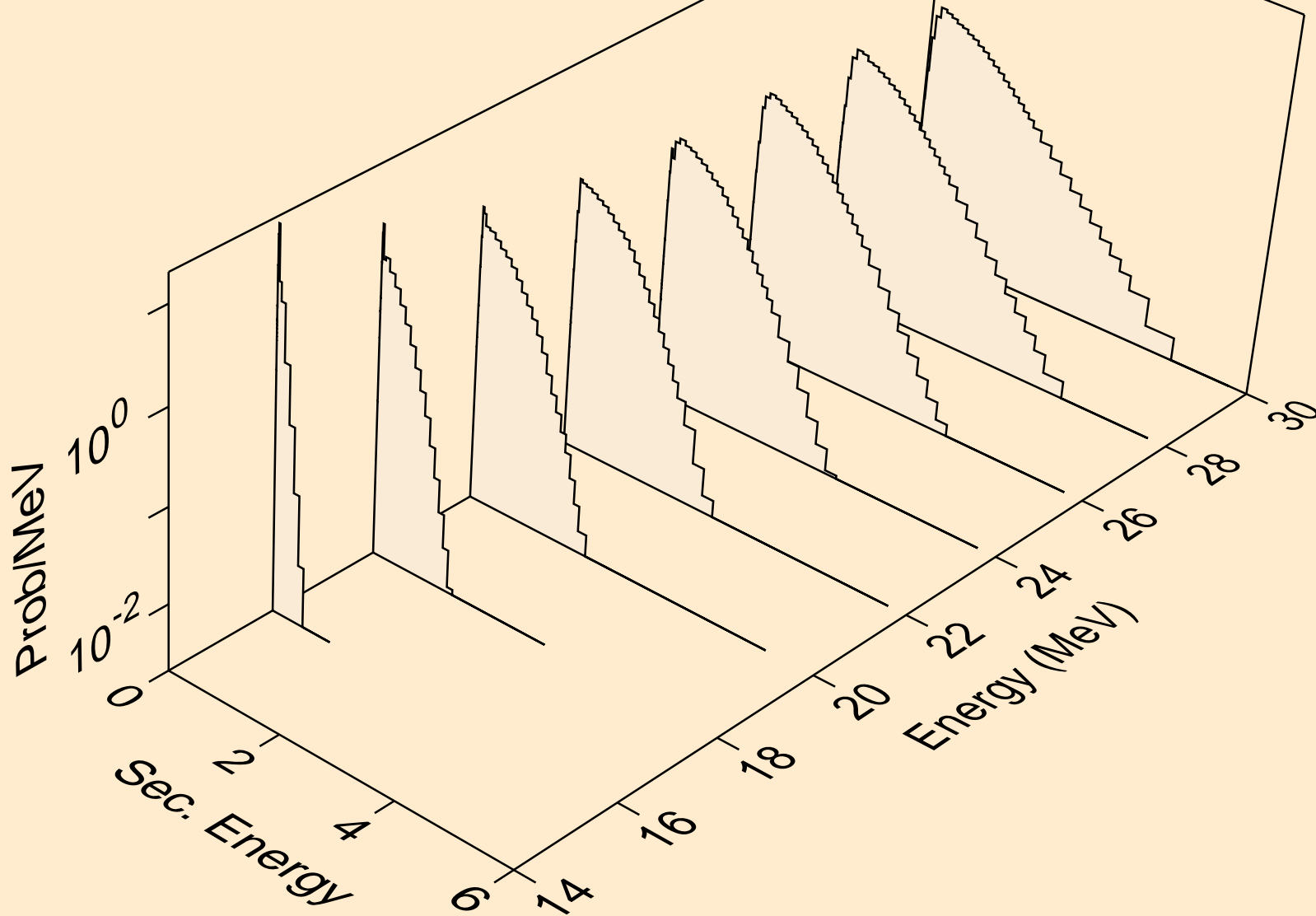
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Neutron emission for (n,n\*)p



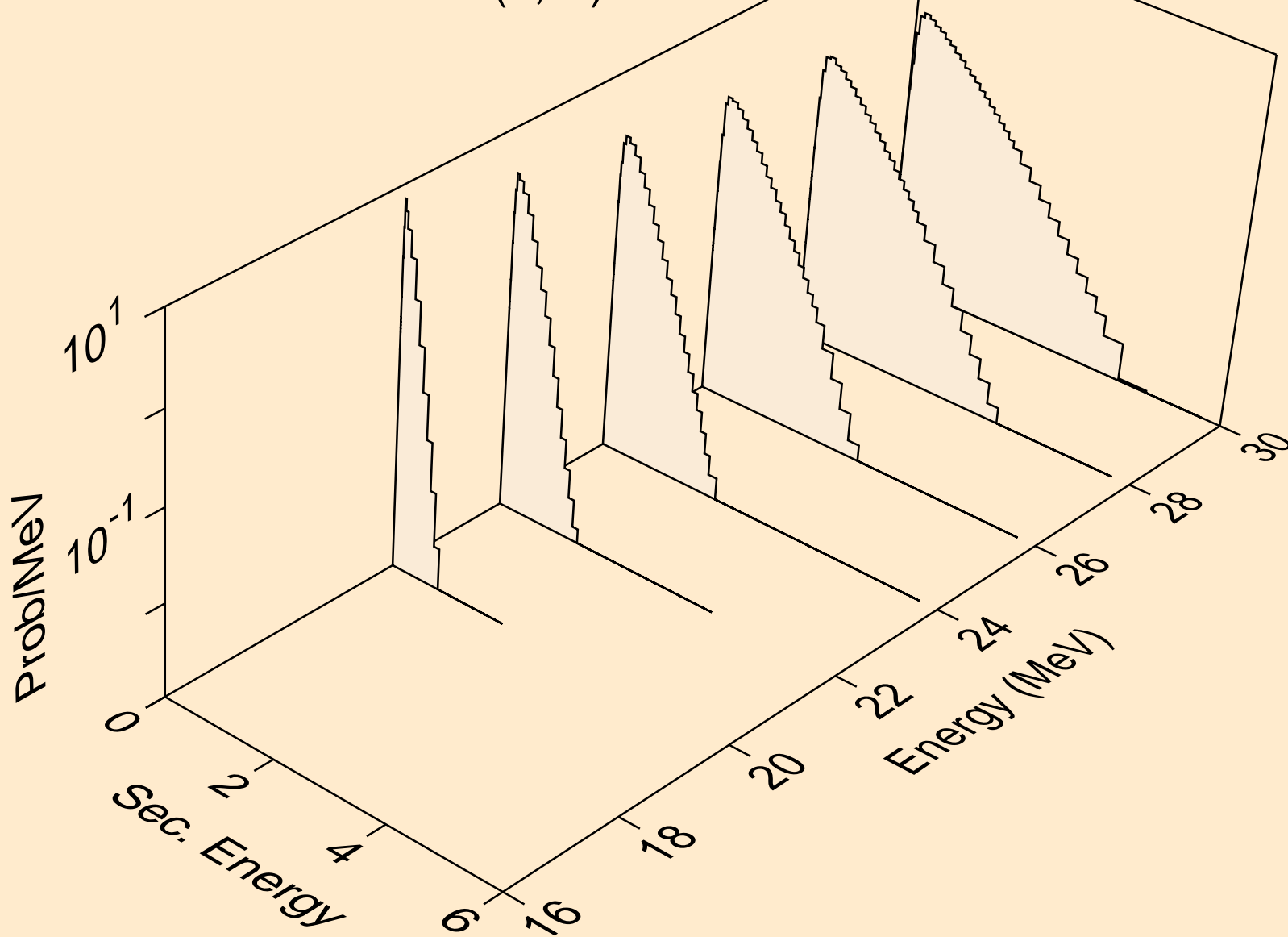
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

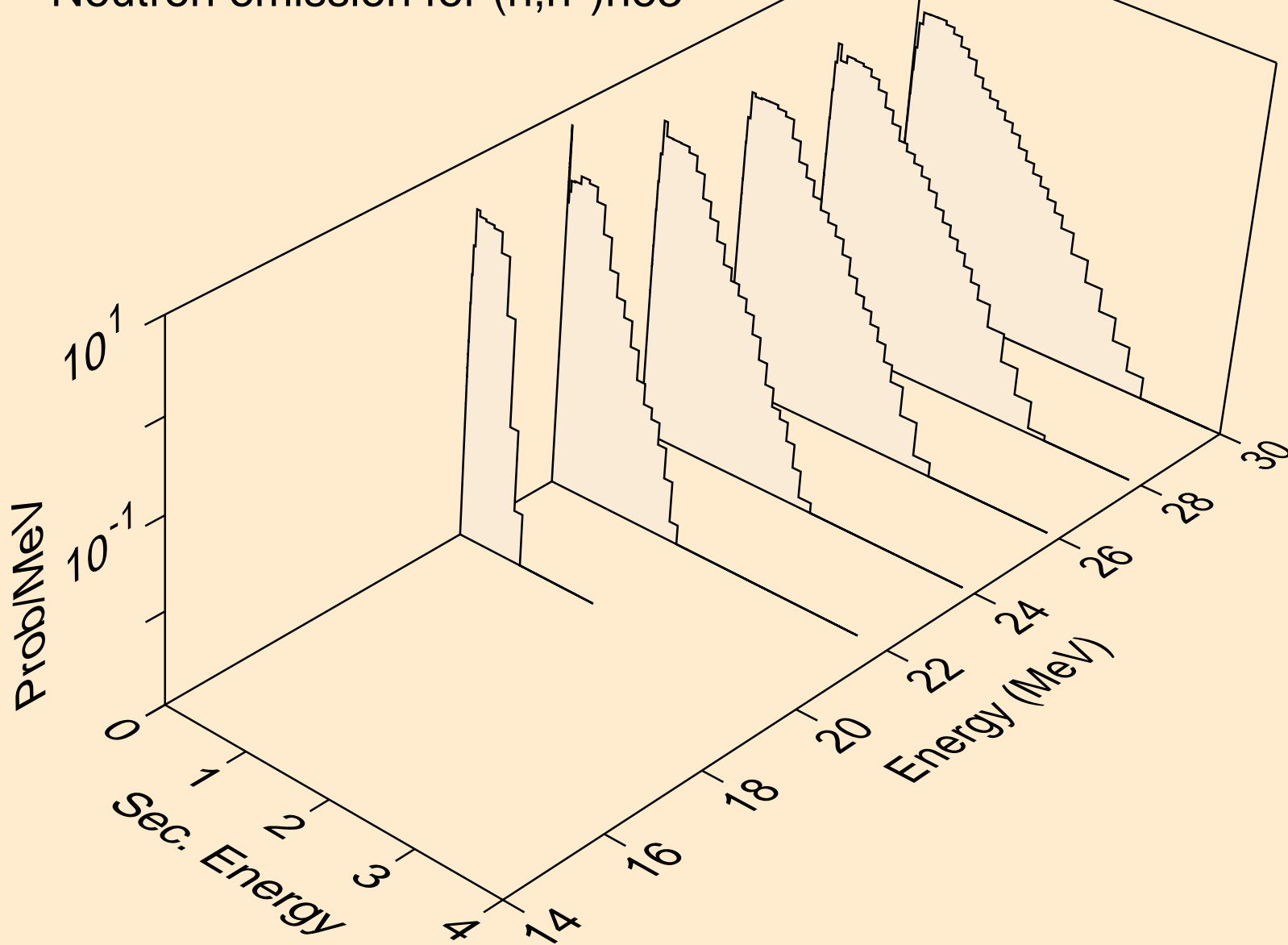


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

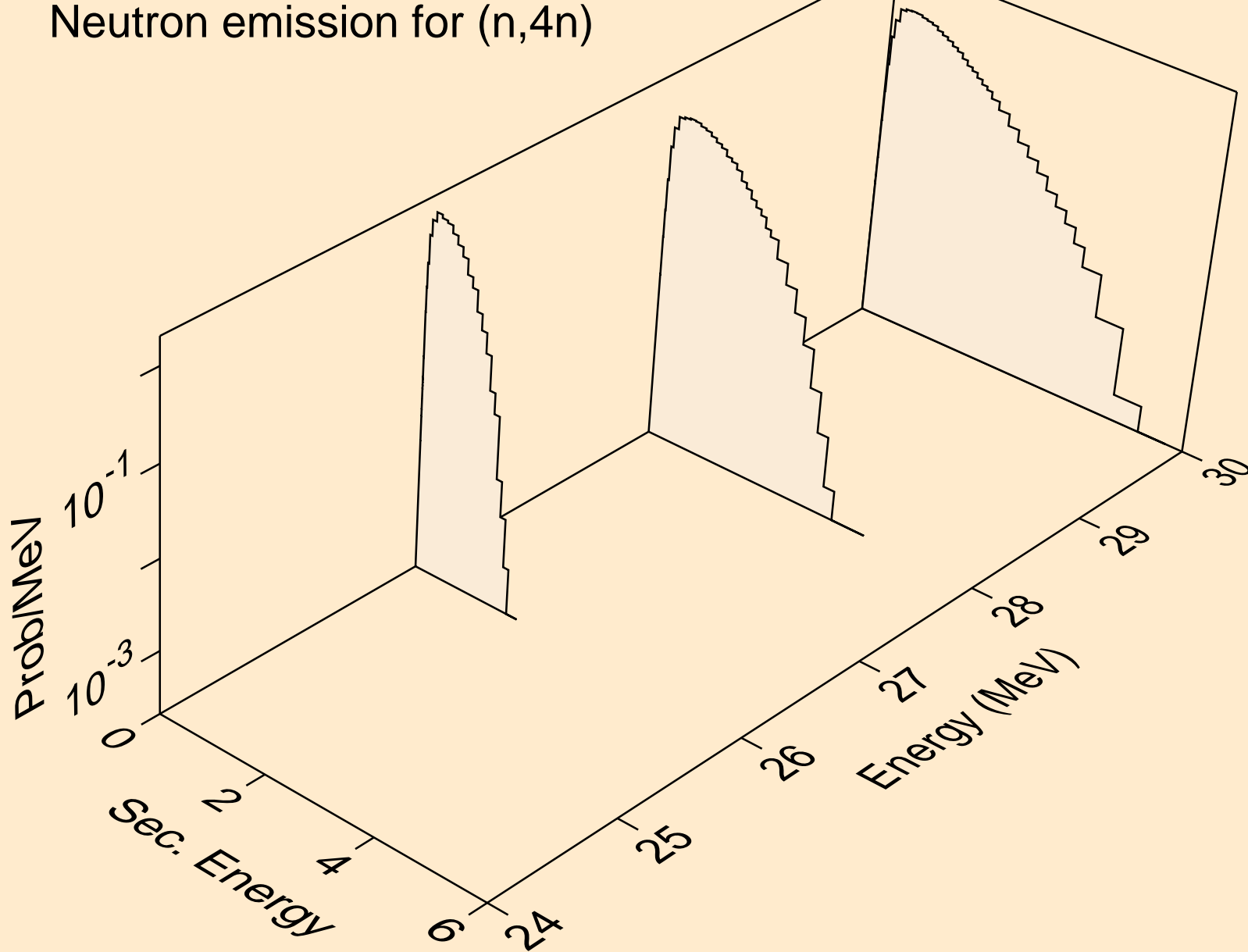




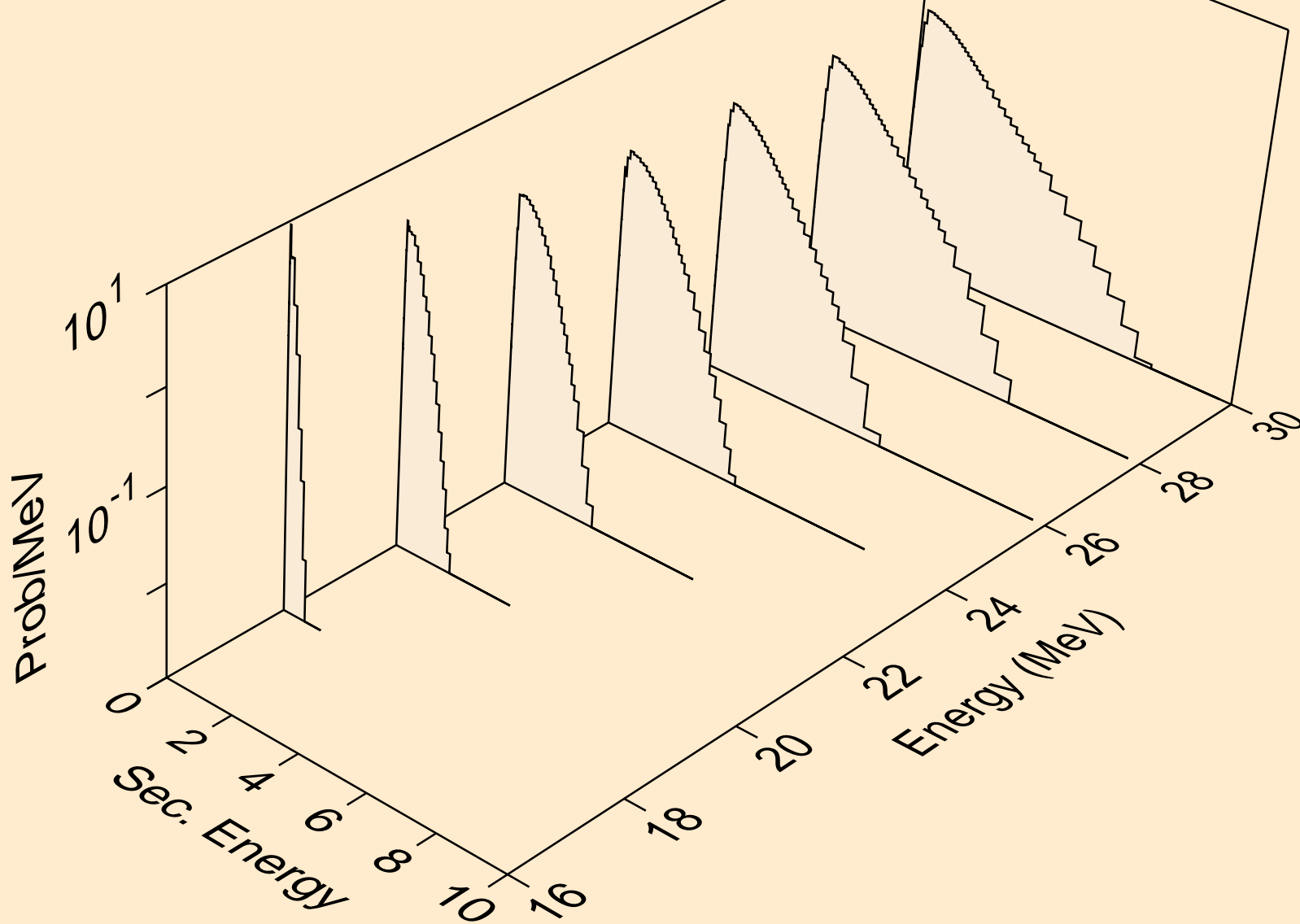
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Neutron emission for (n,n\*)he3



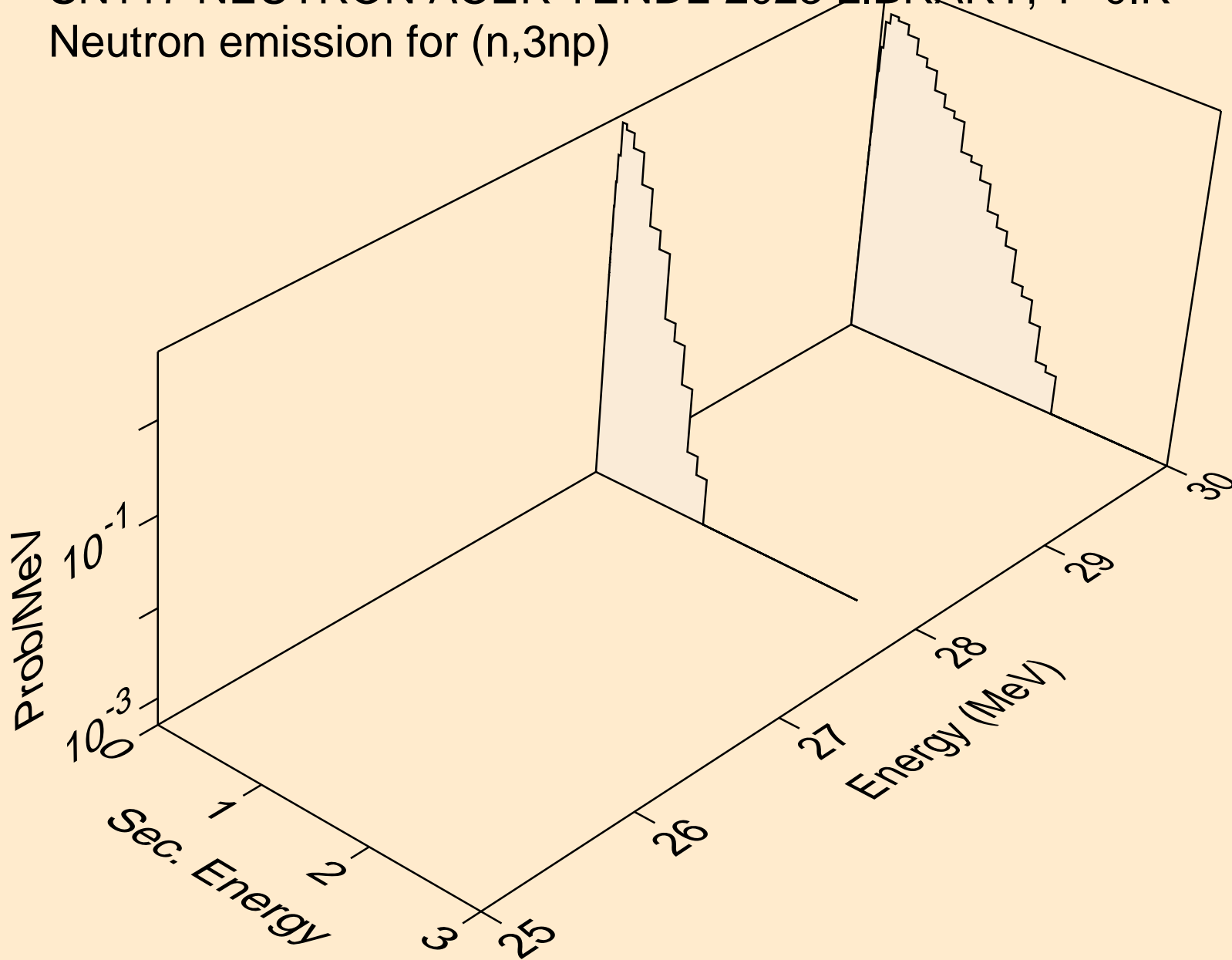
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



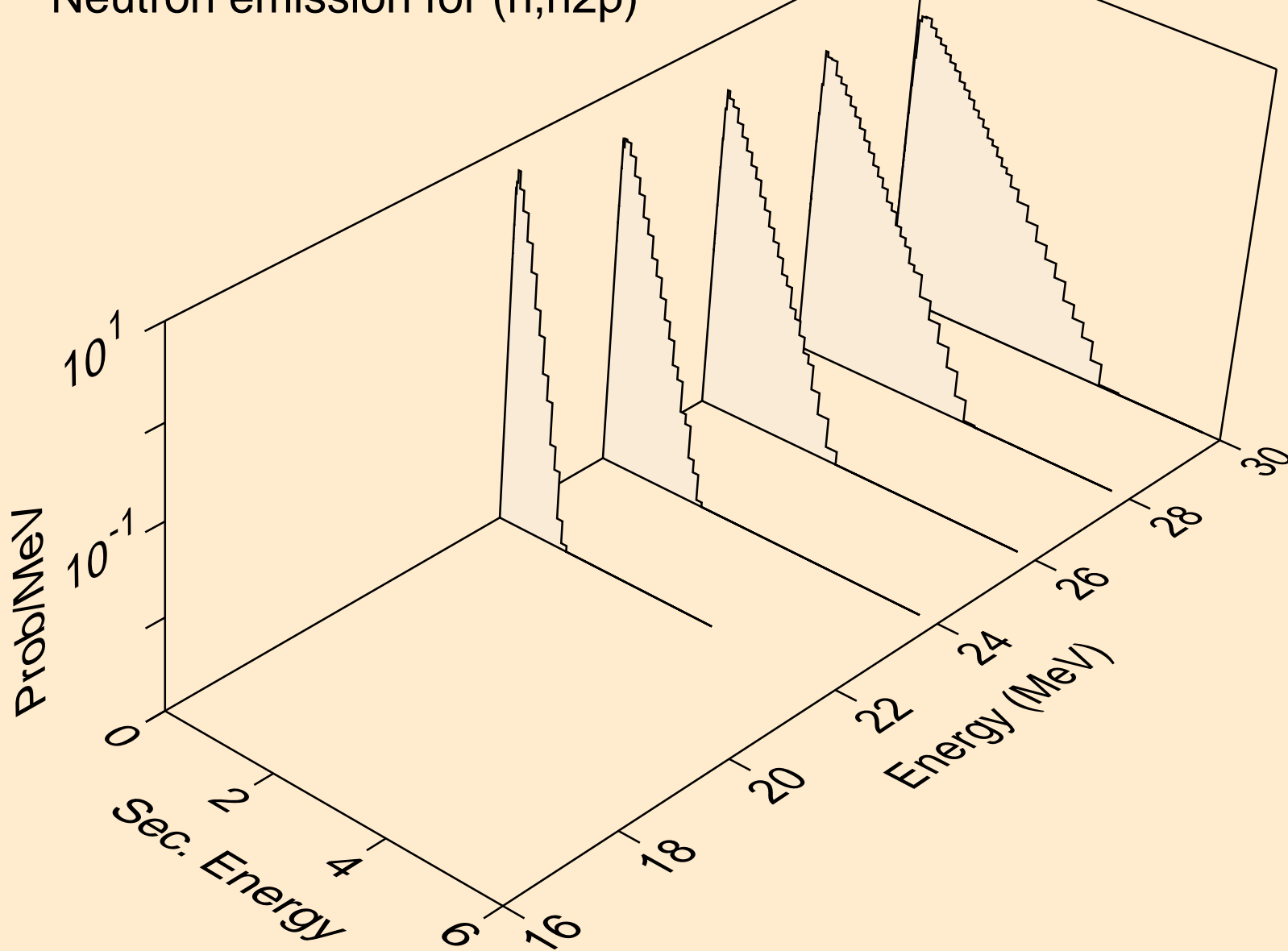
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



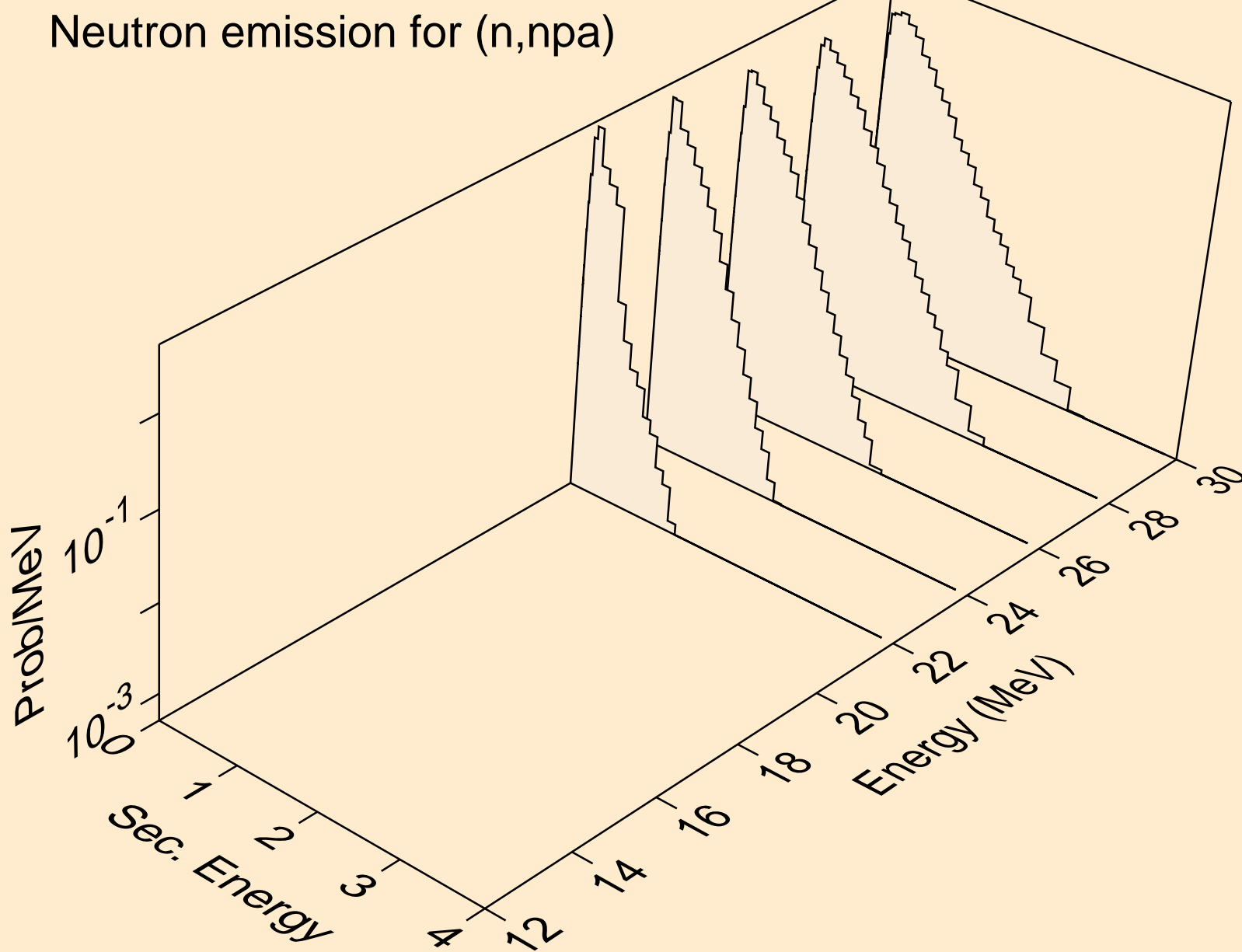
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



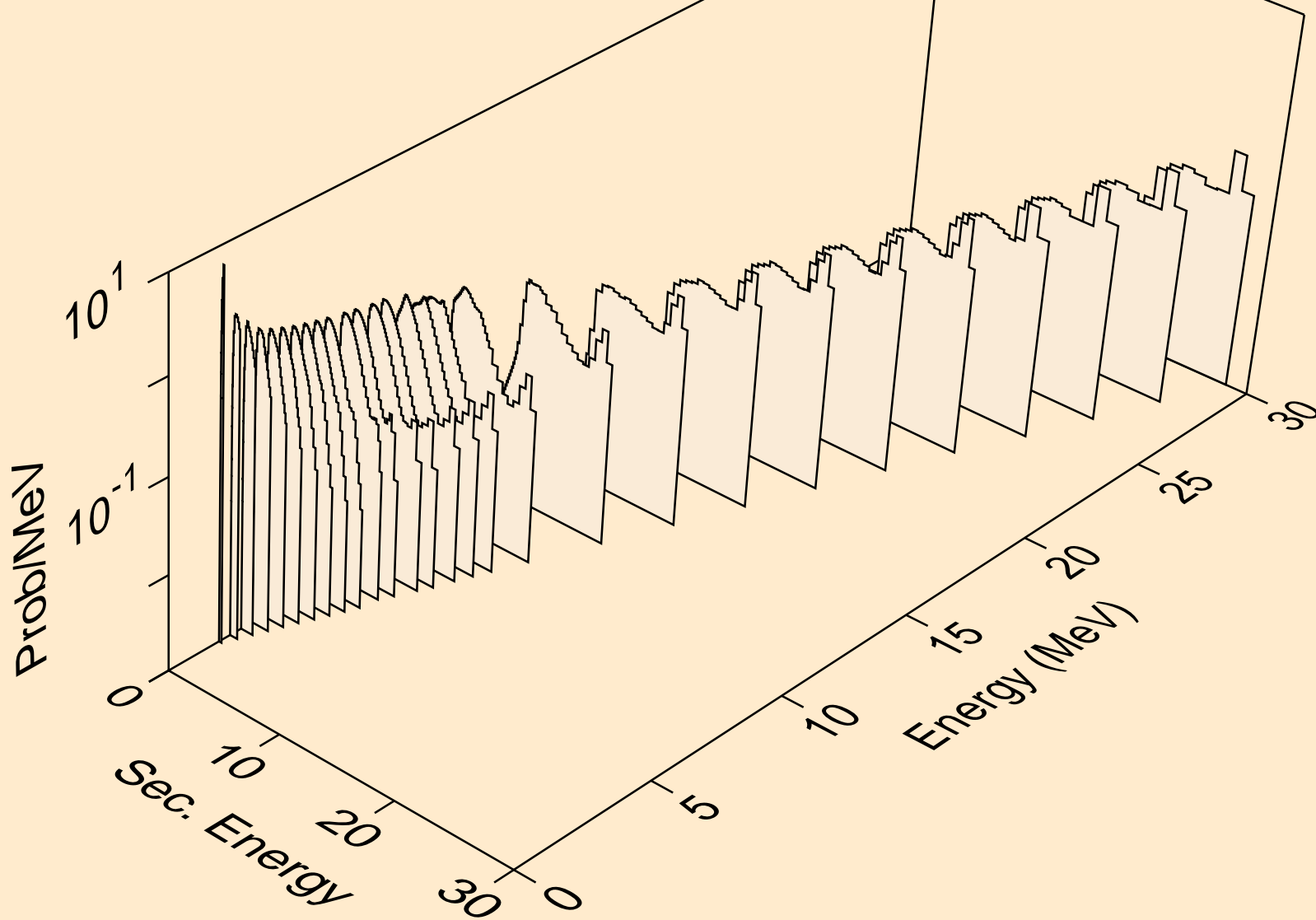
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



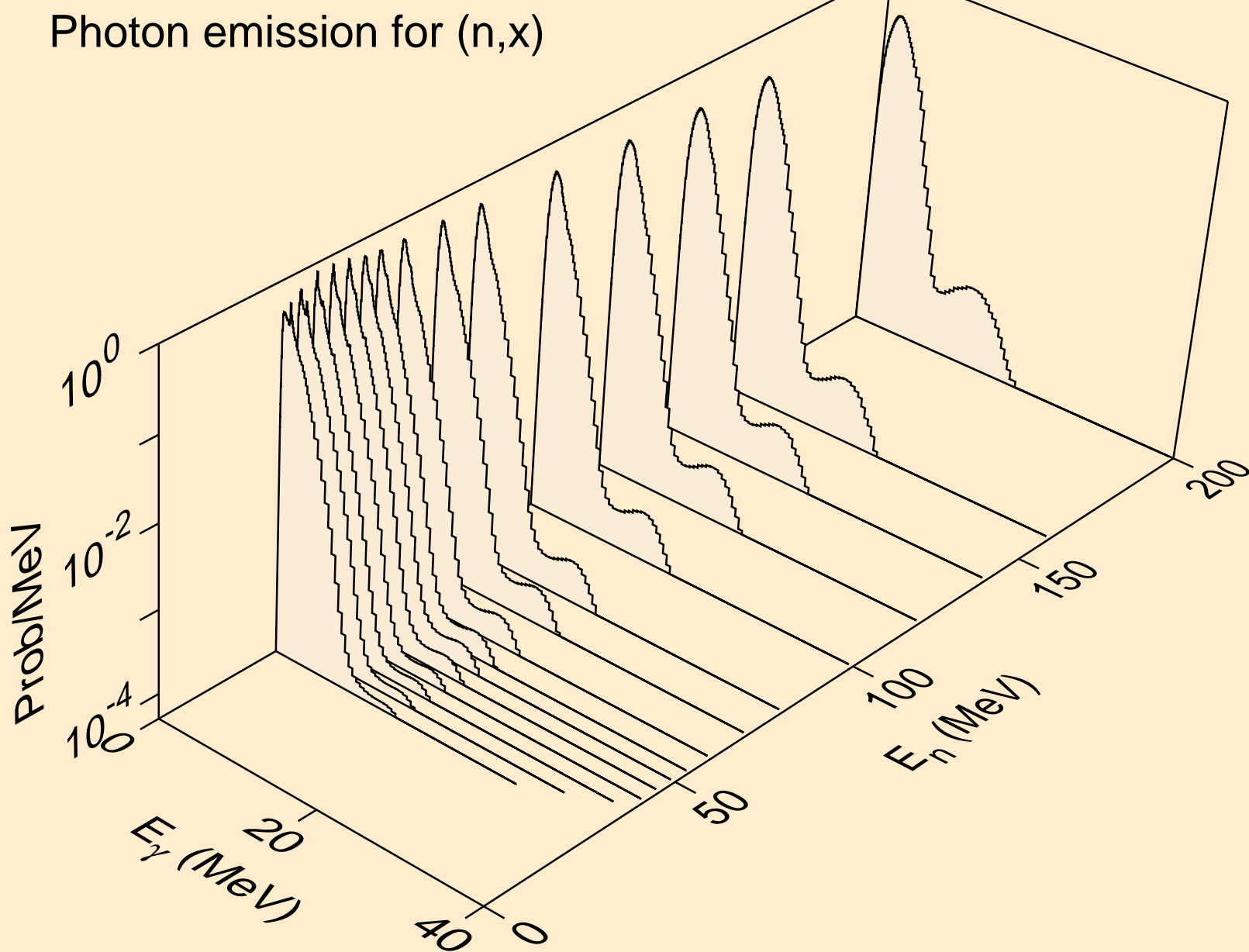
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

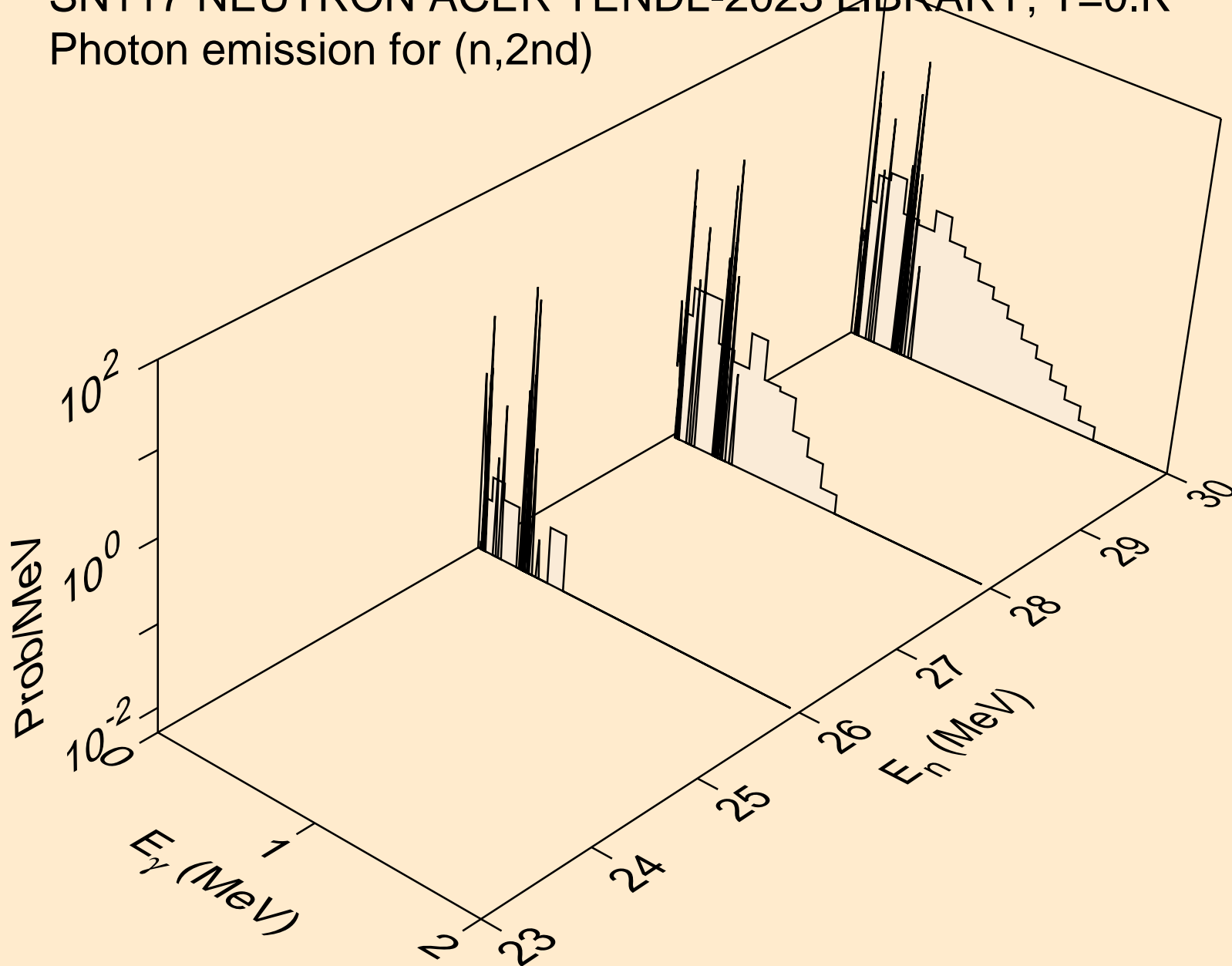


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)

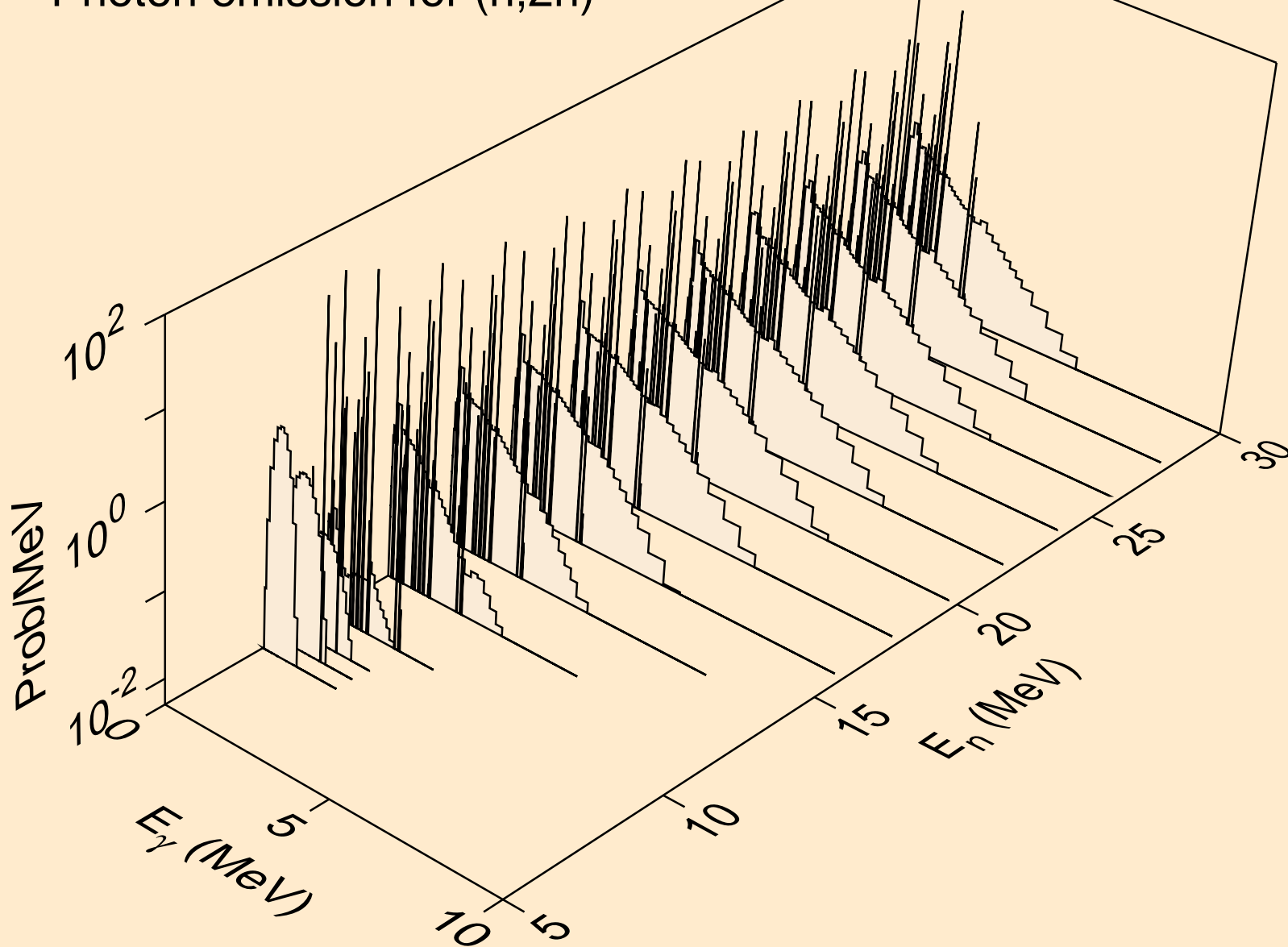




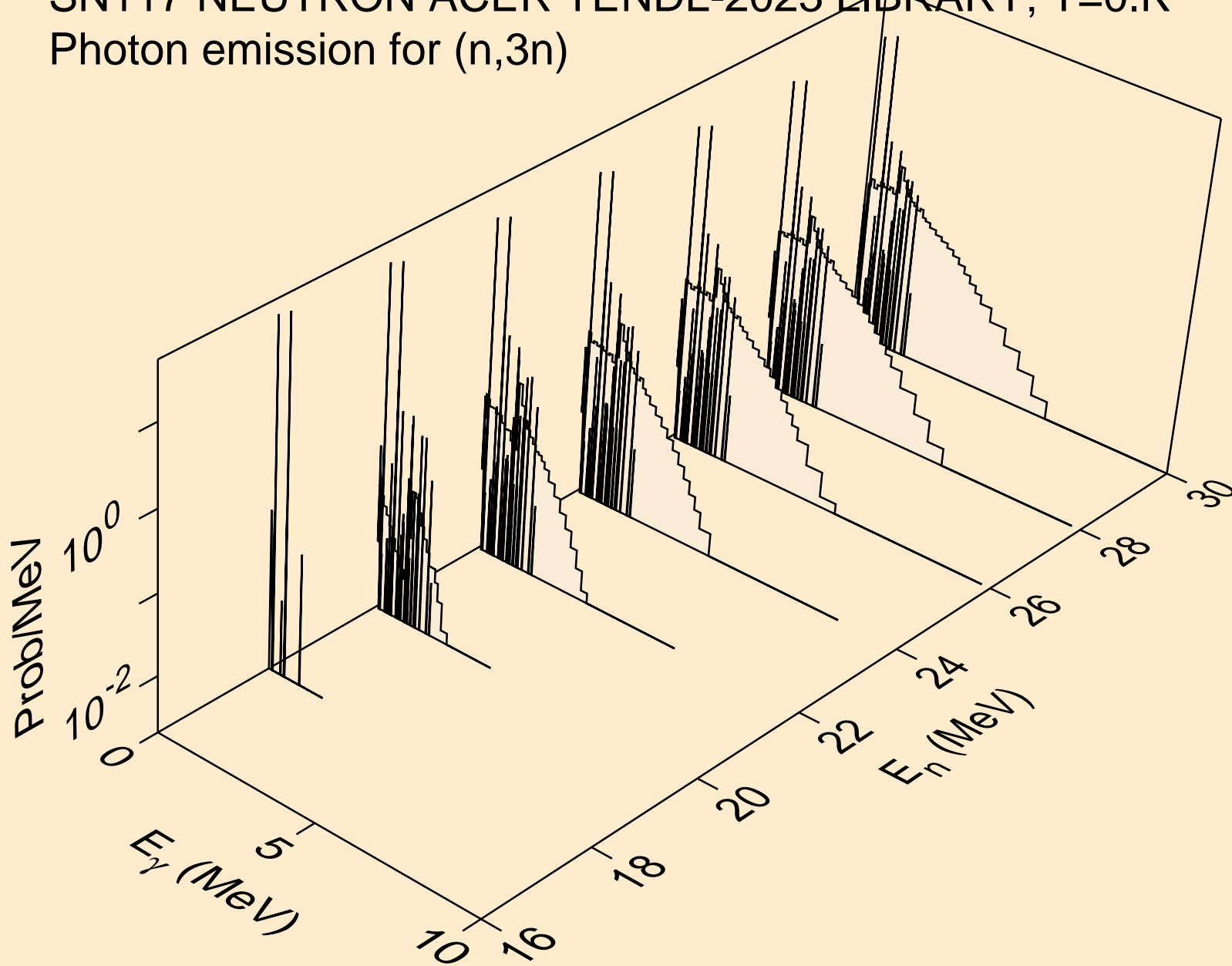
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



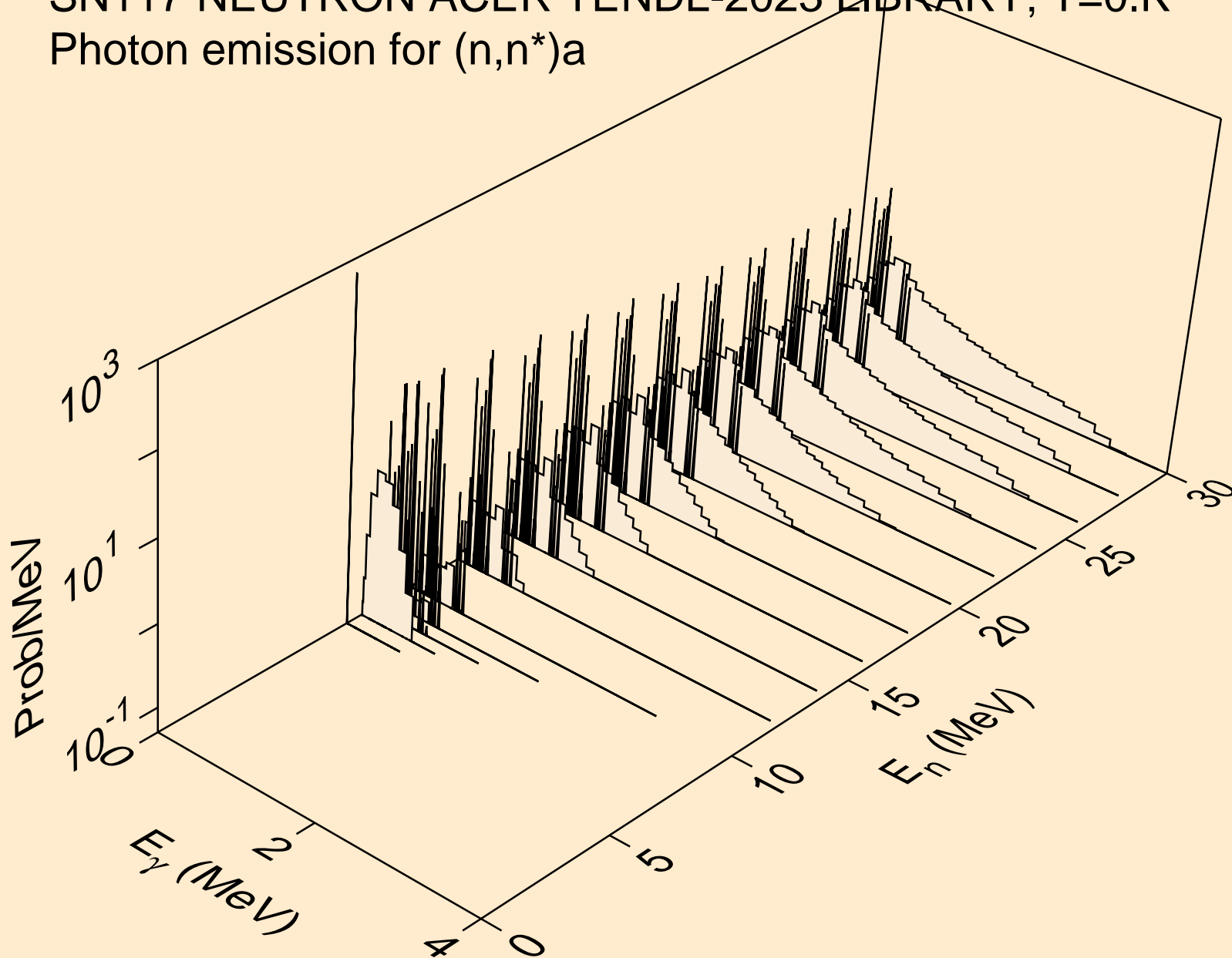
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



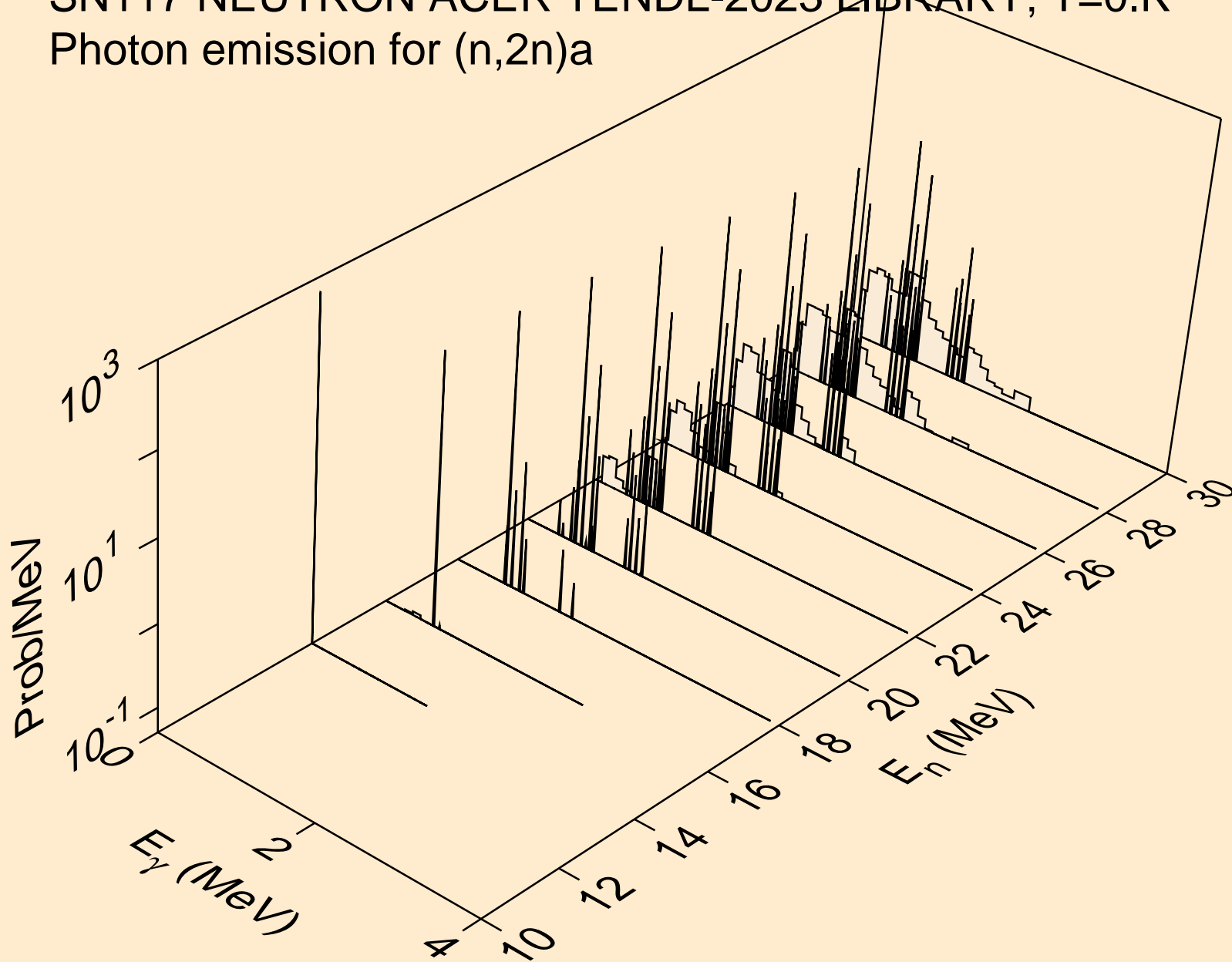
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



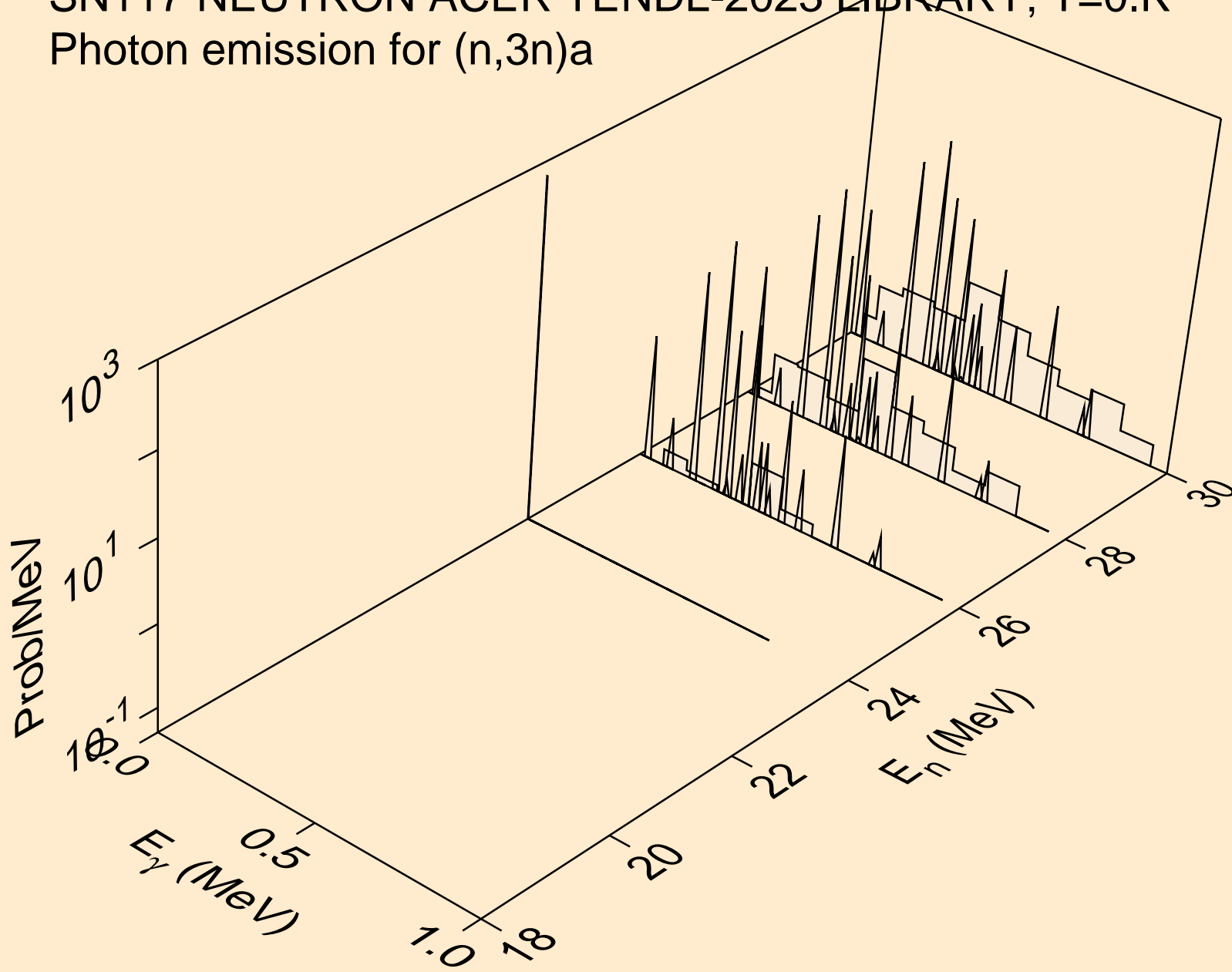
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



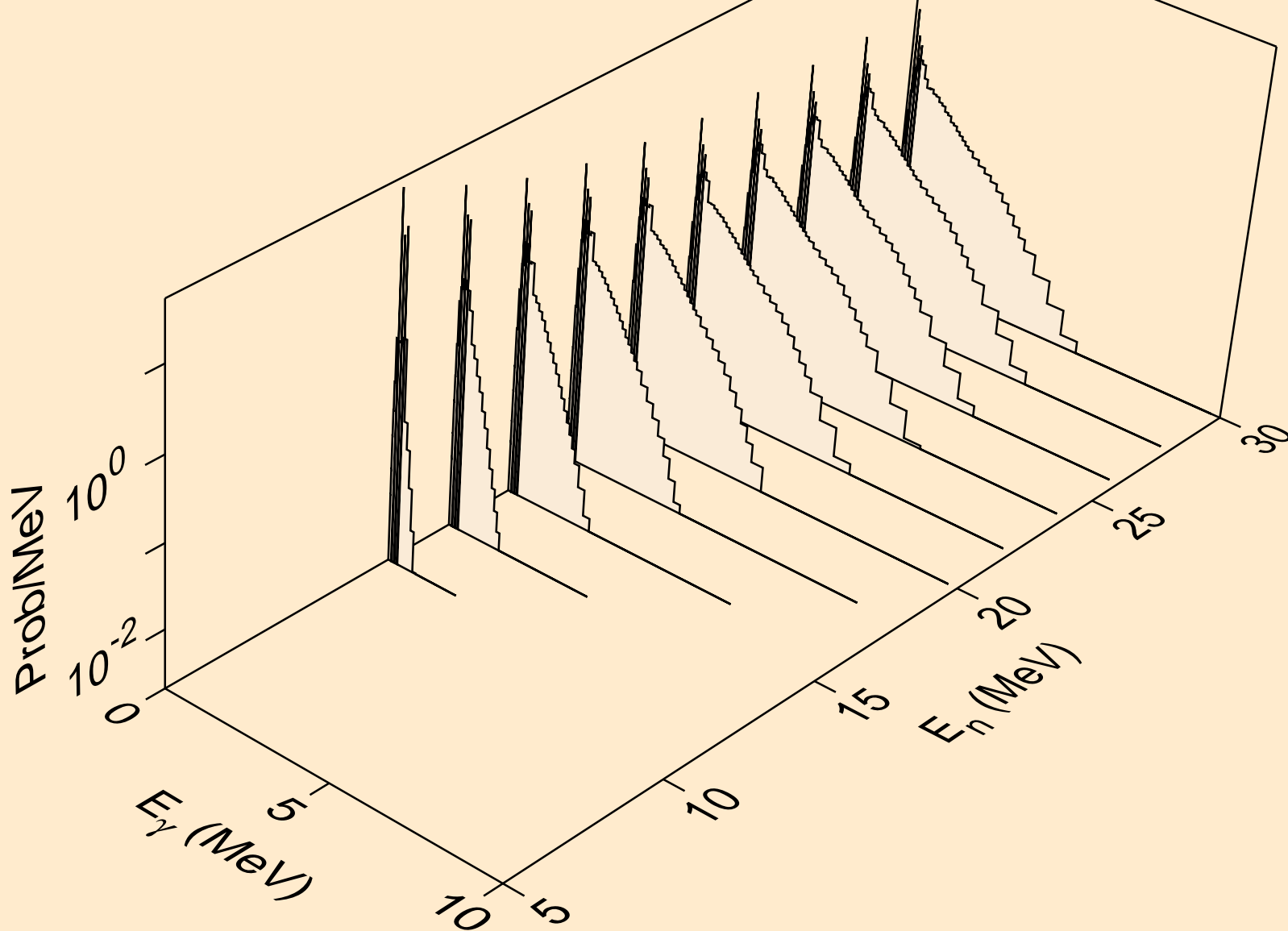
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



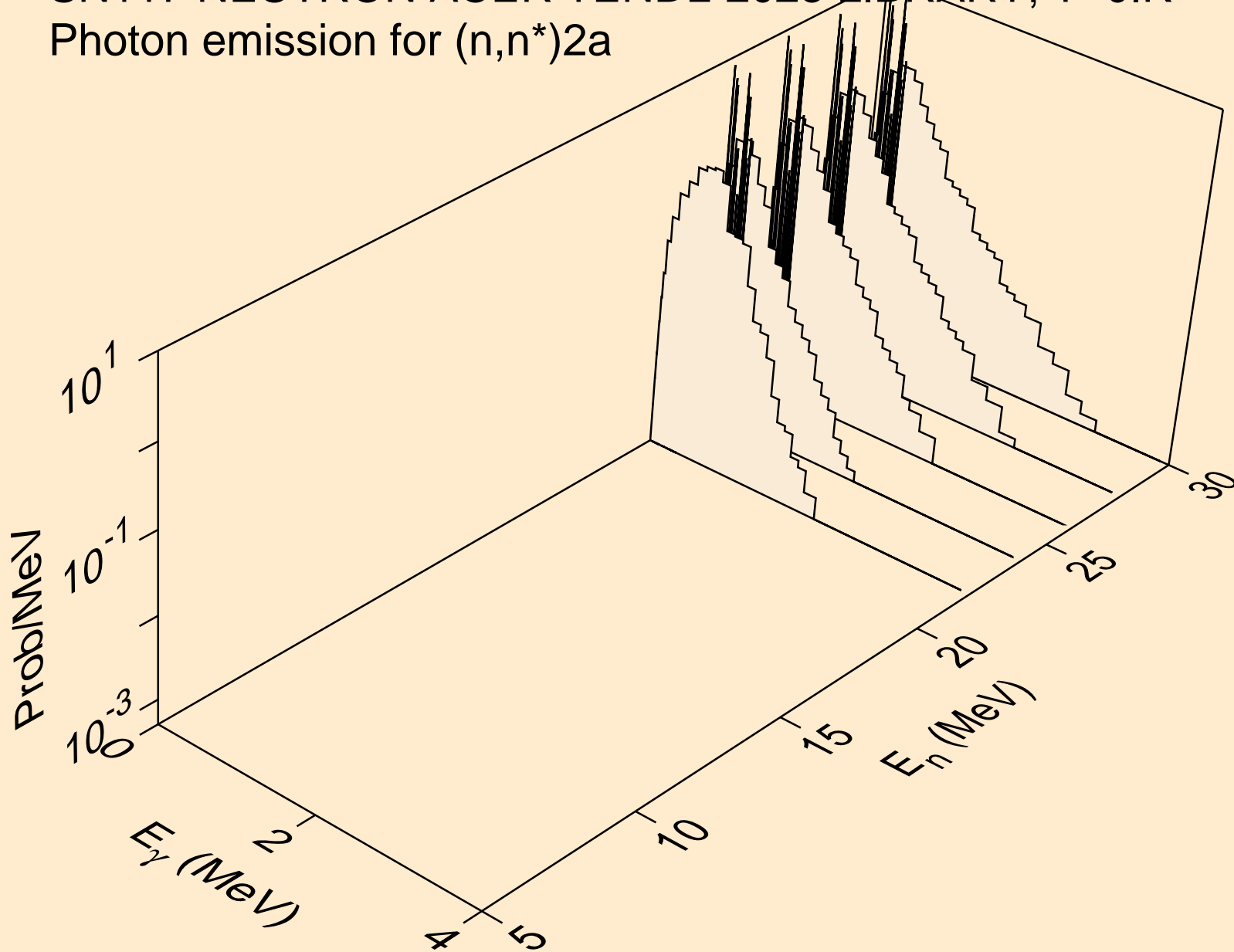
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

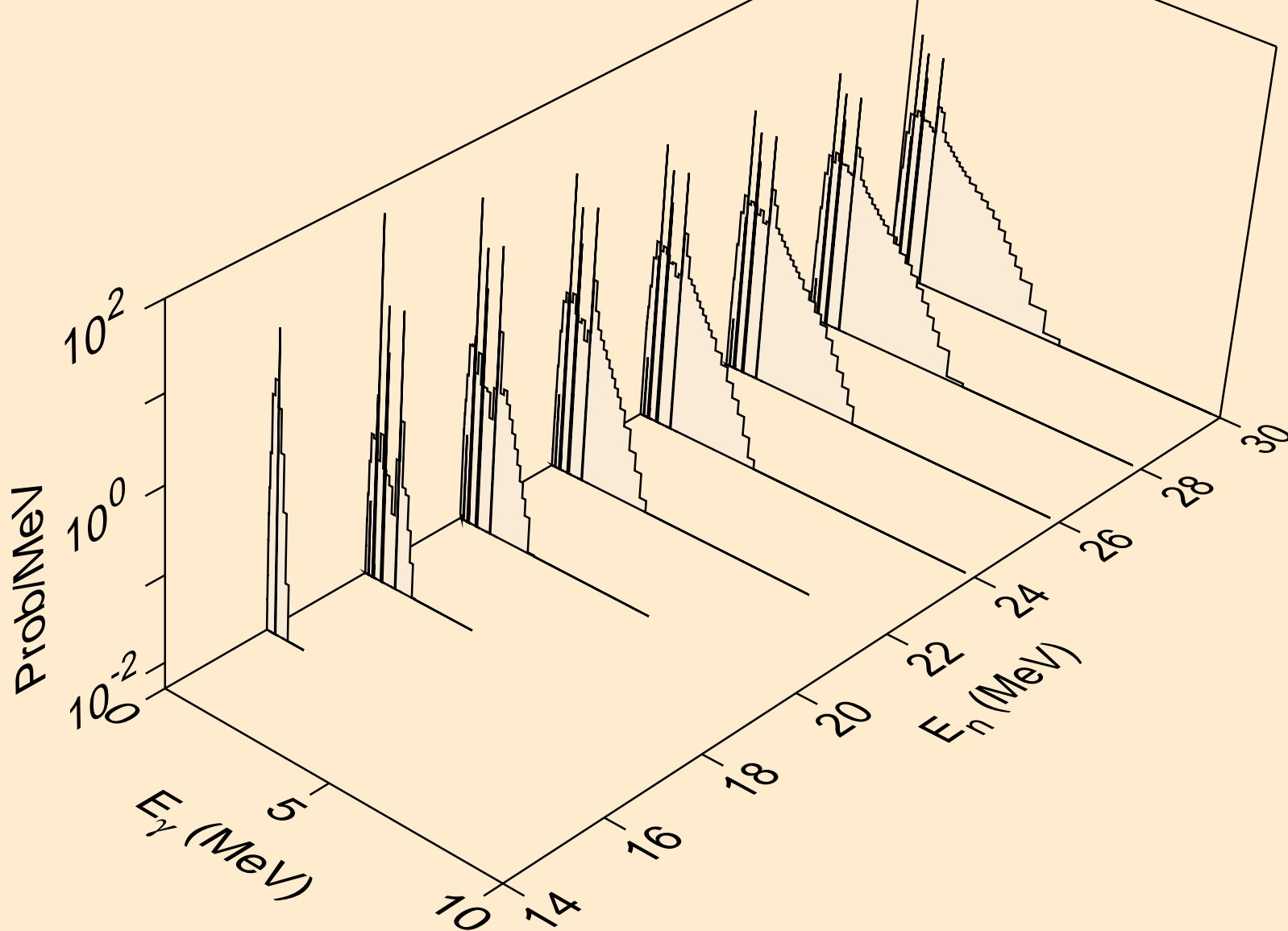


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

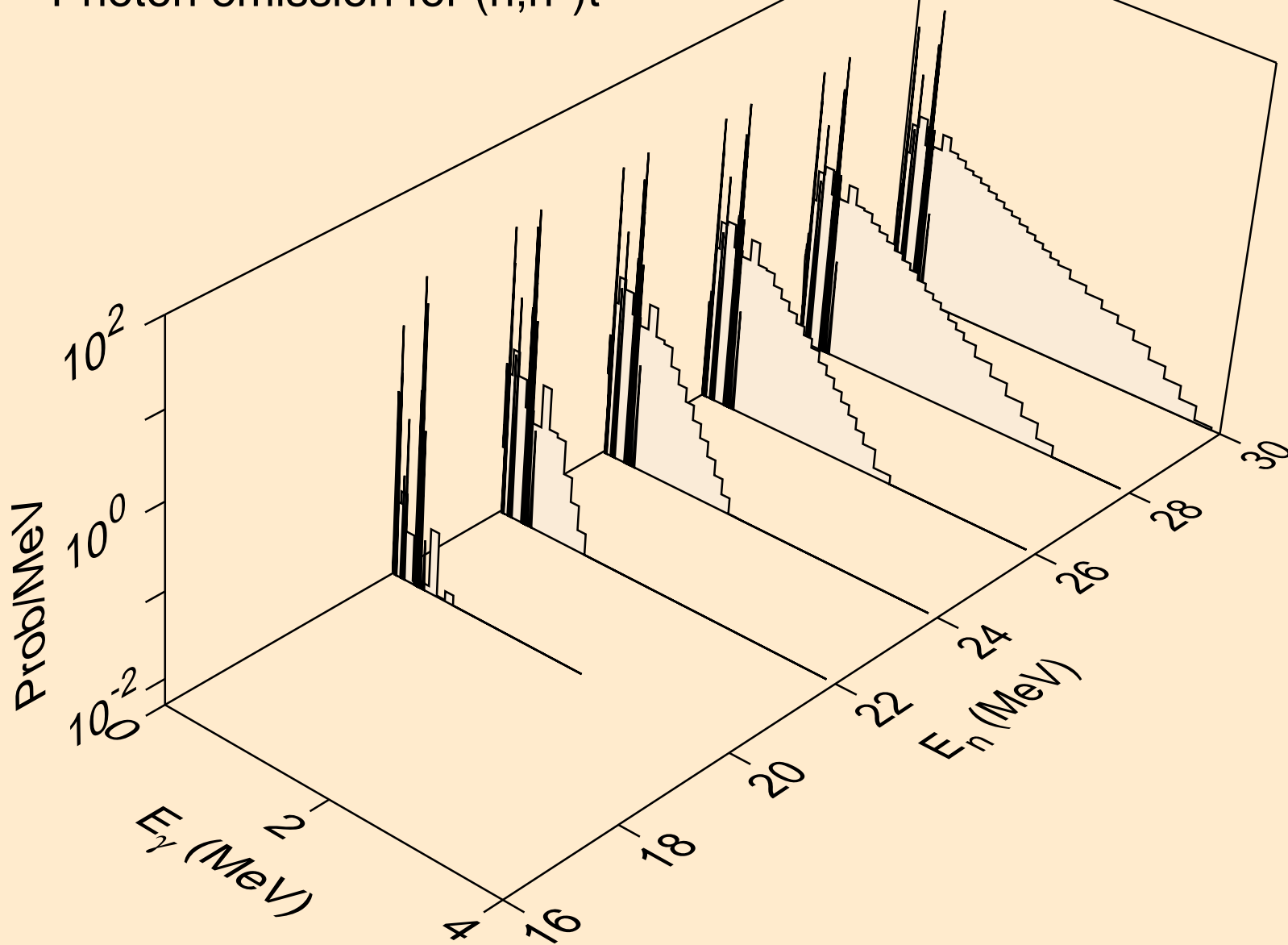




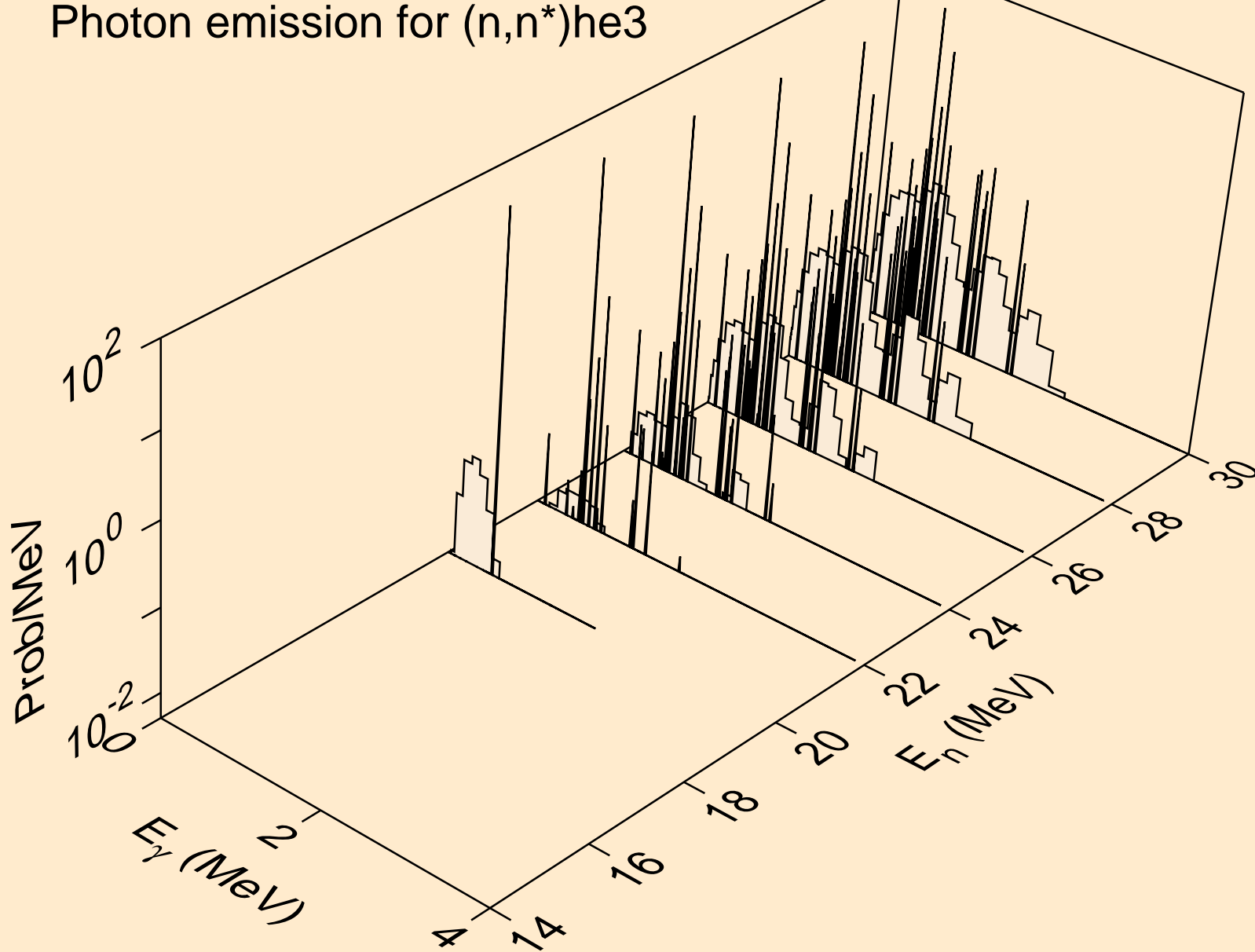
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



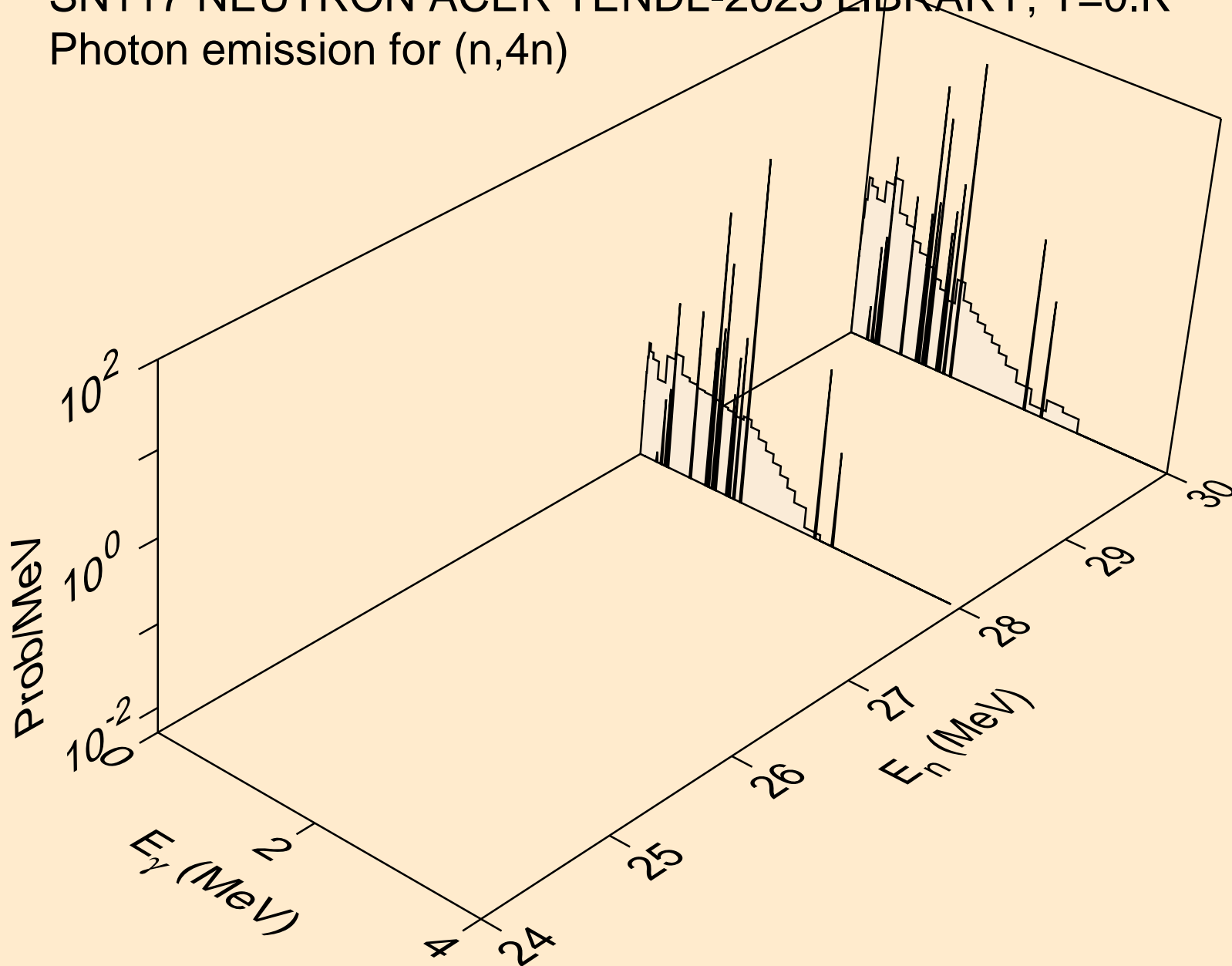
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



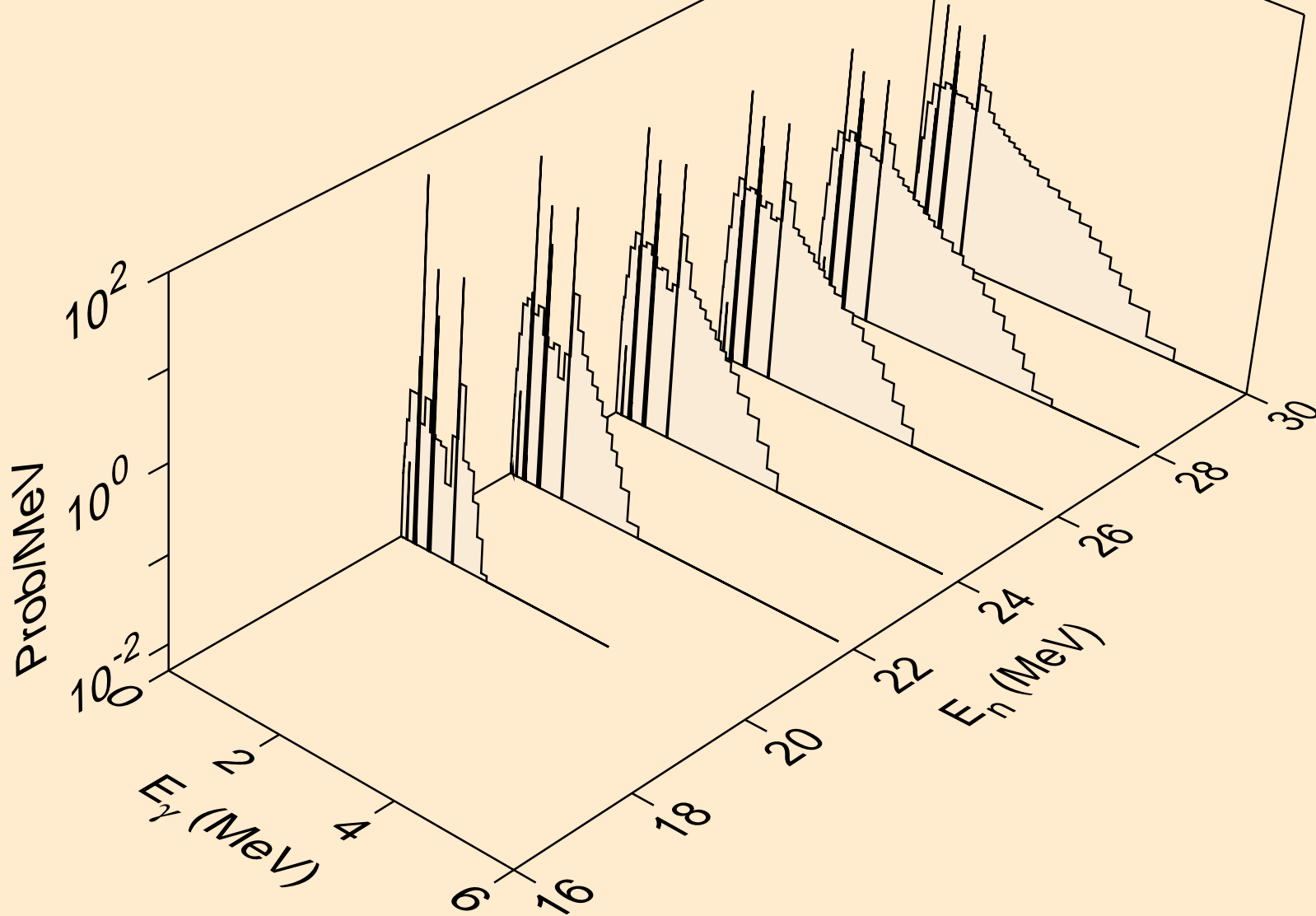
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



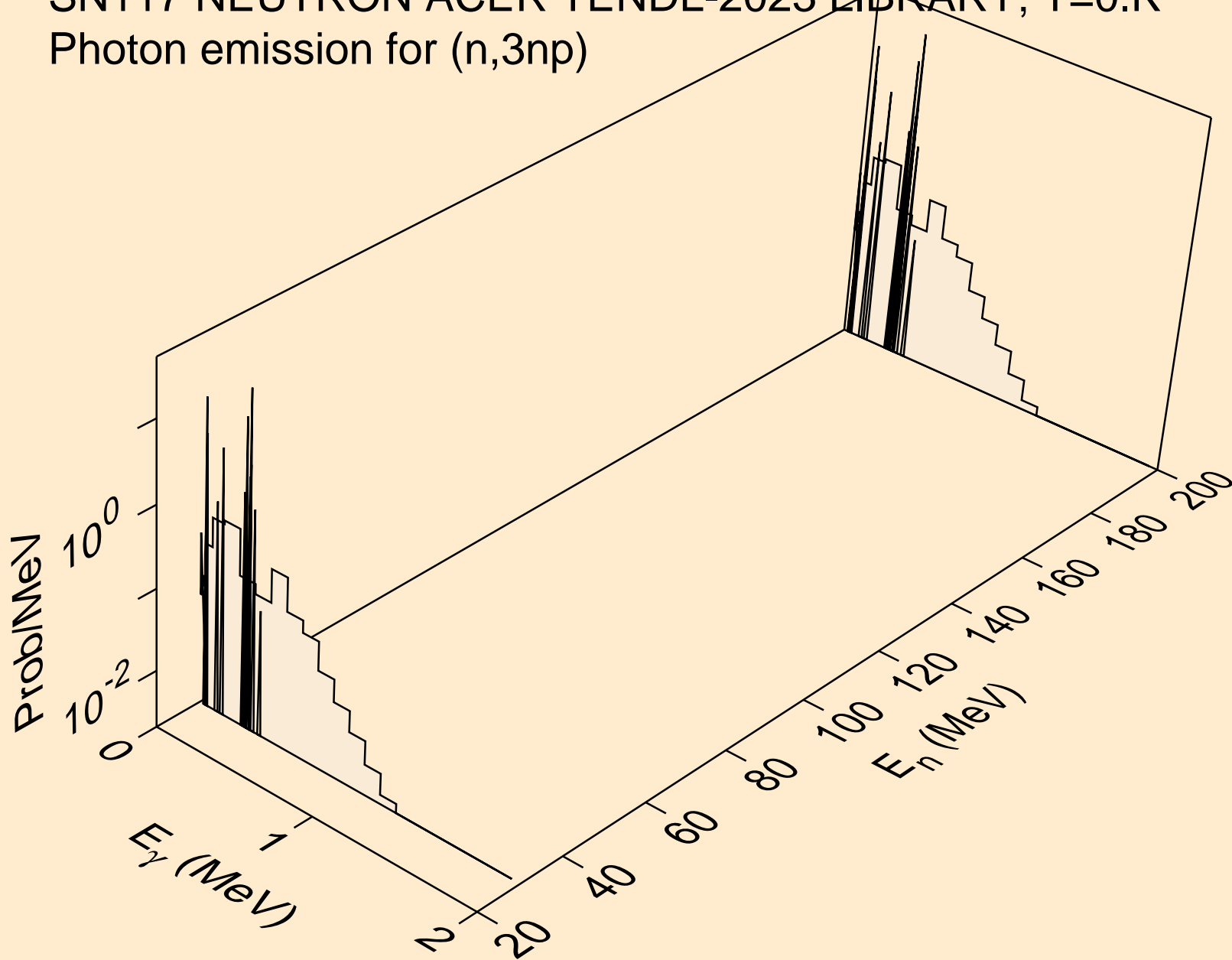
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



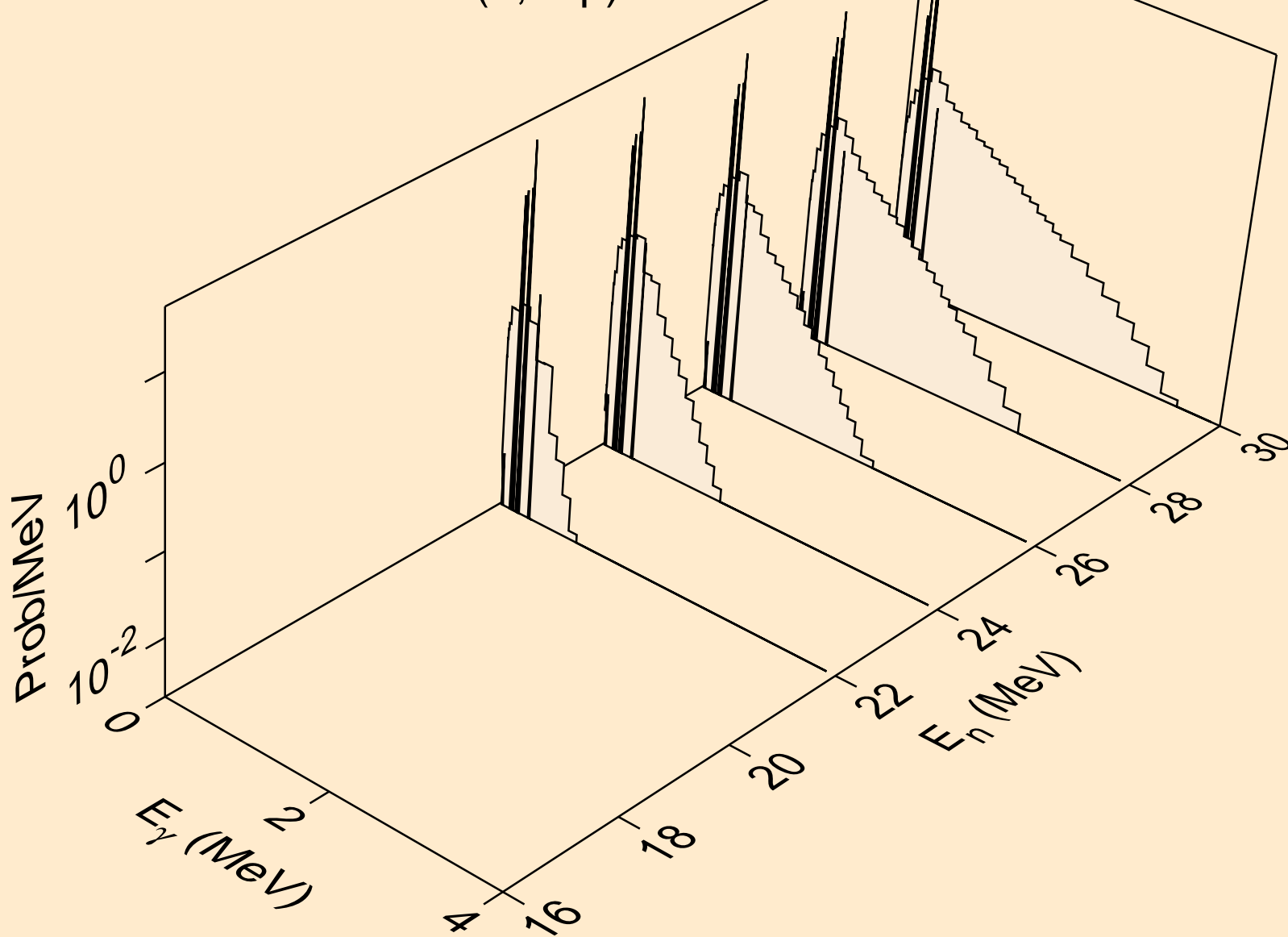
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



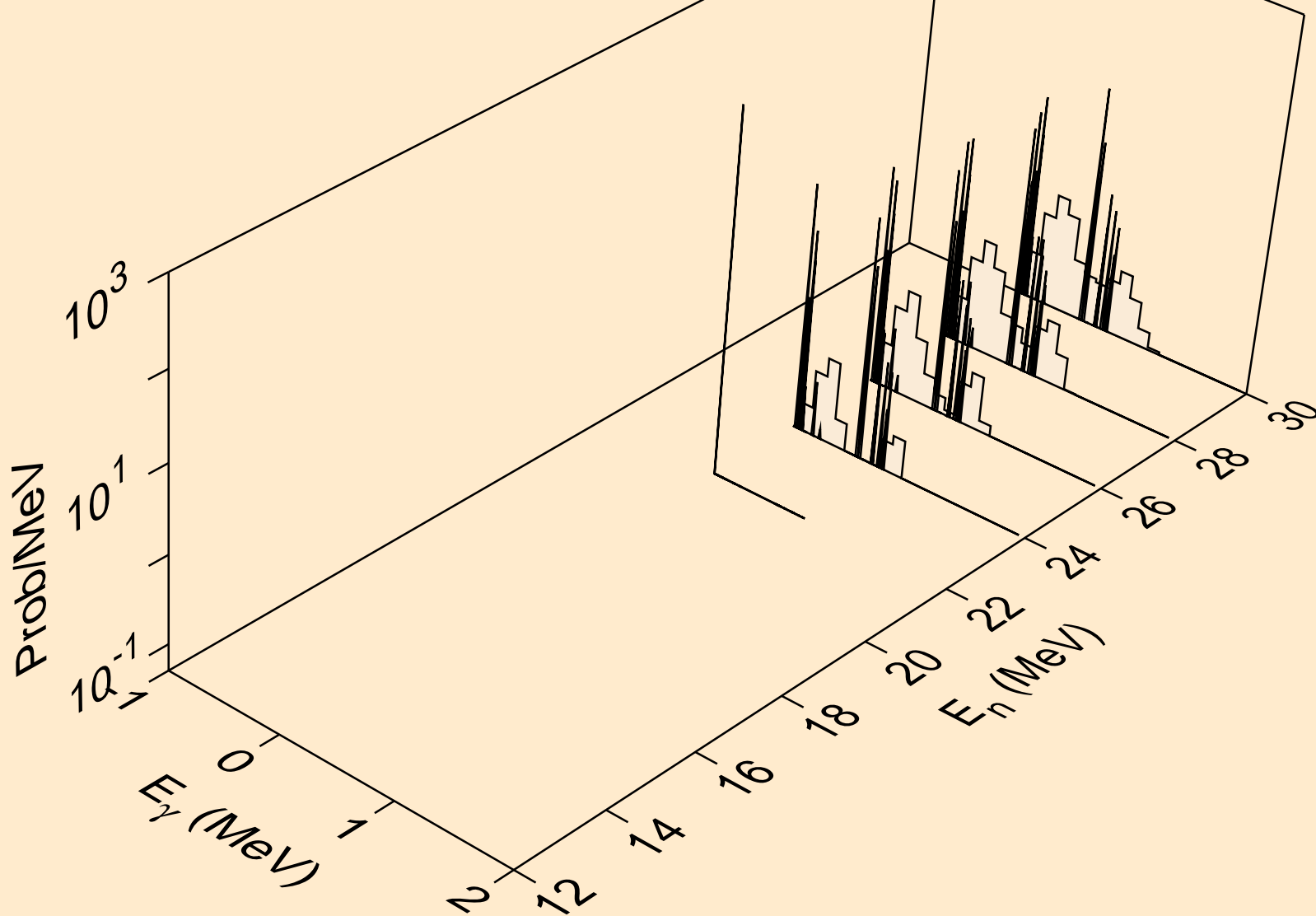
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

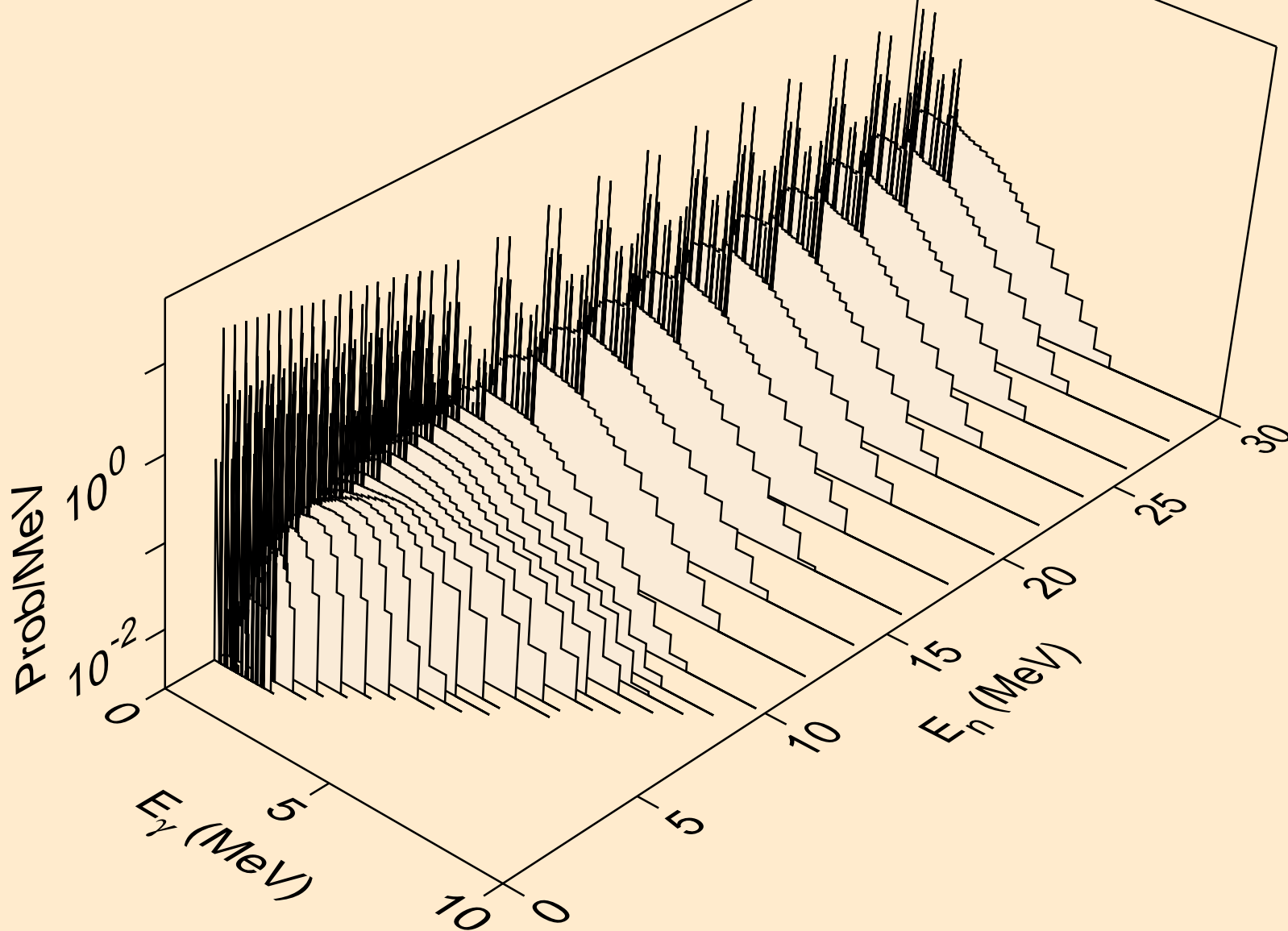


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

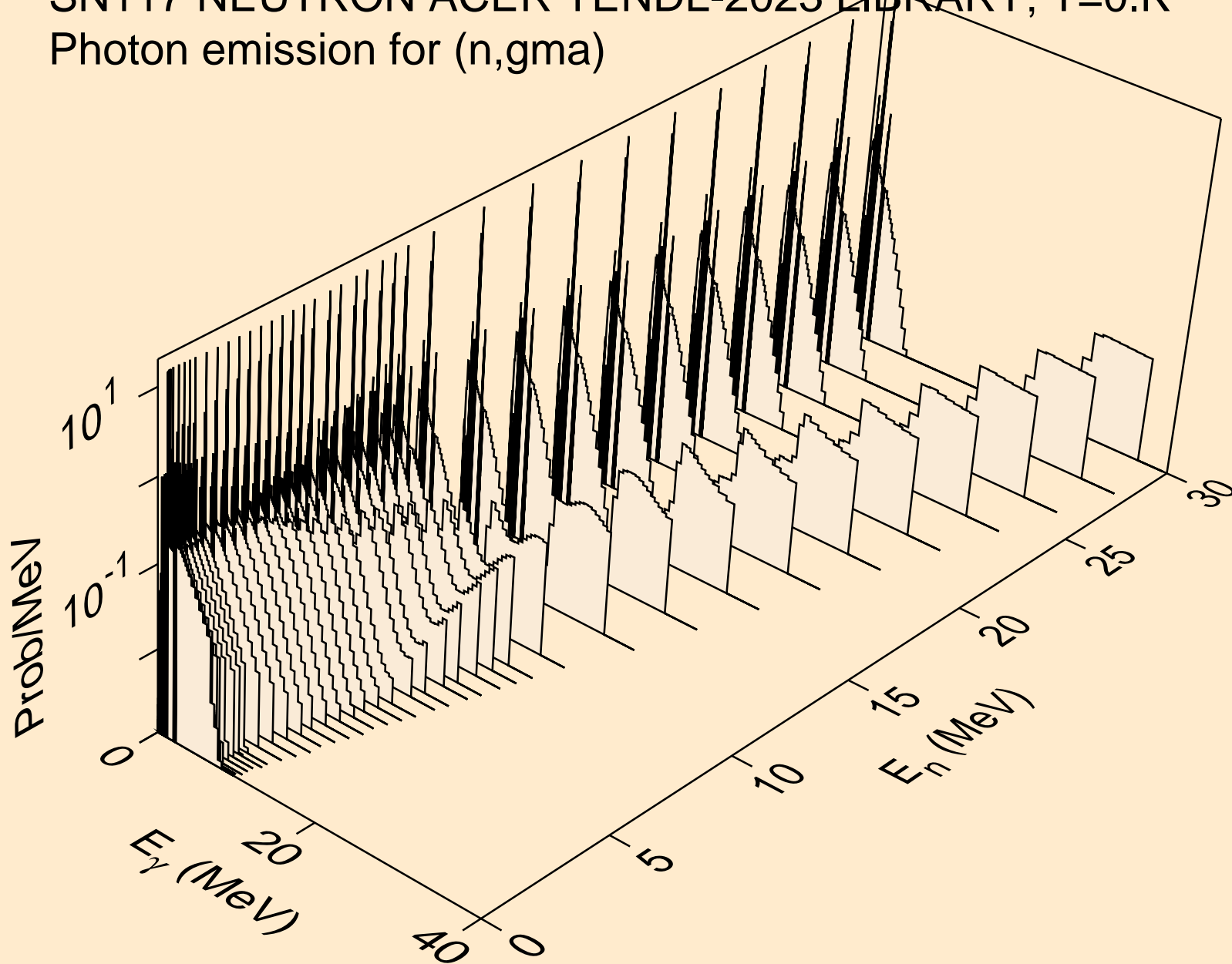




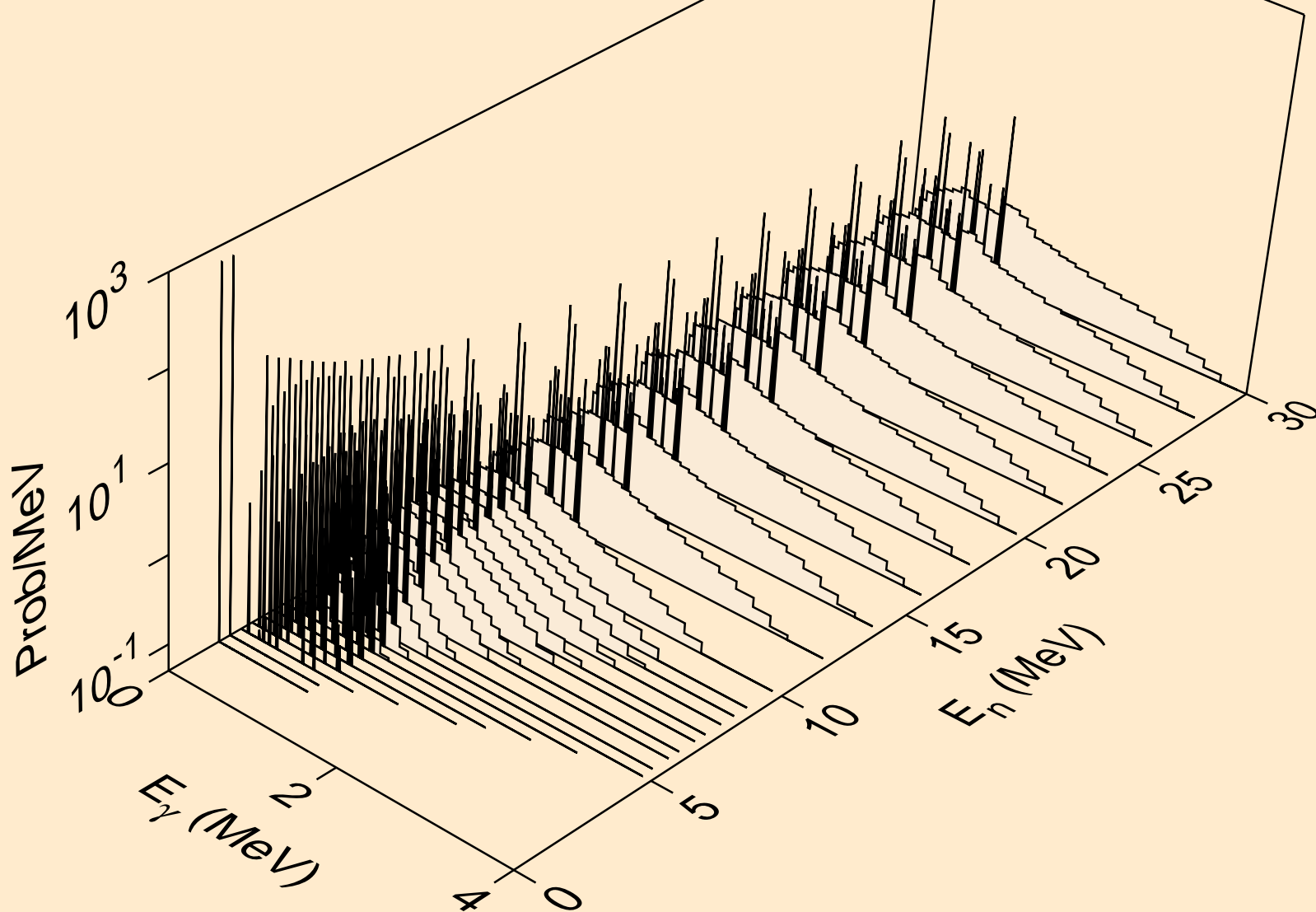
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



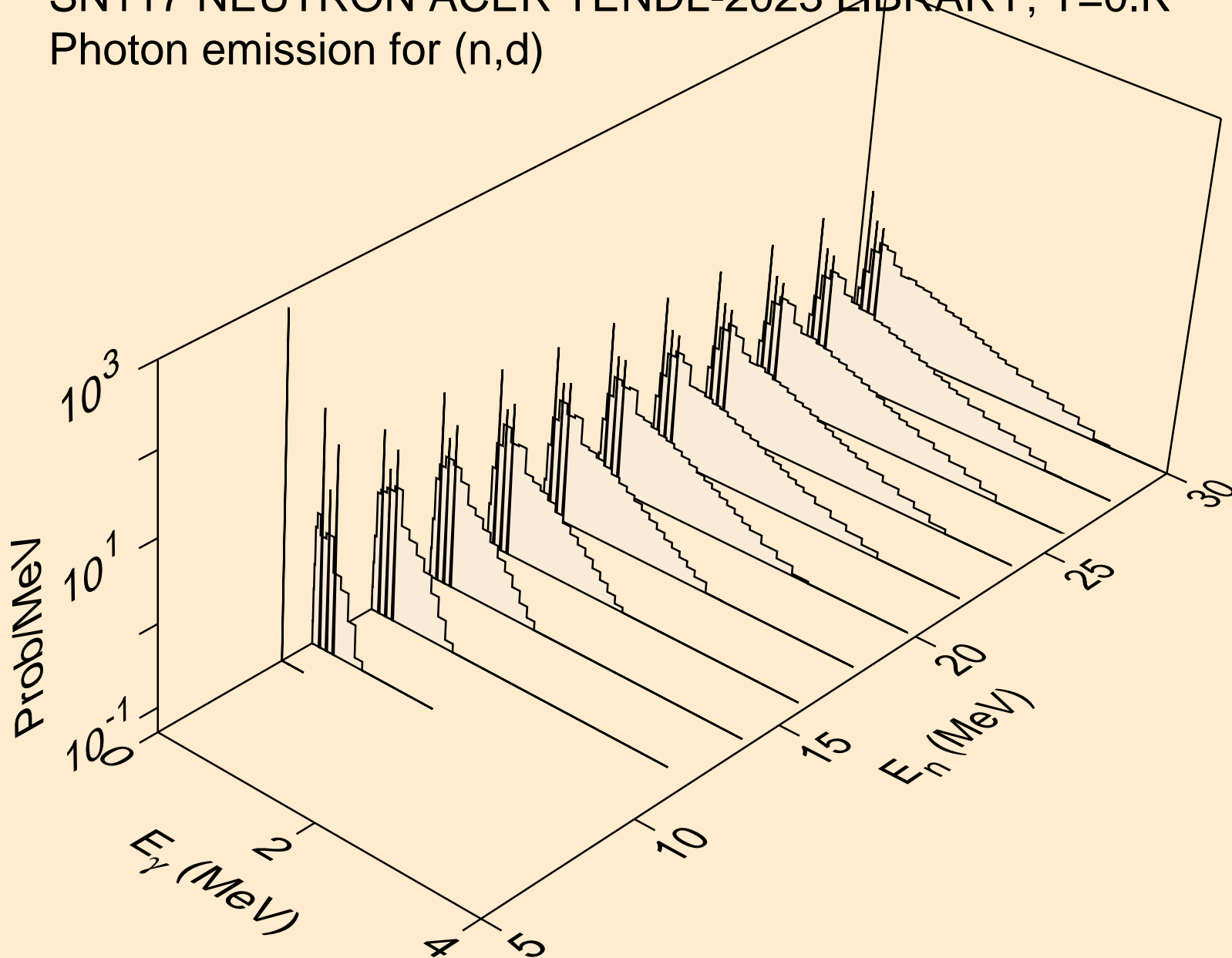
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



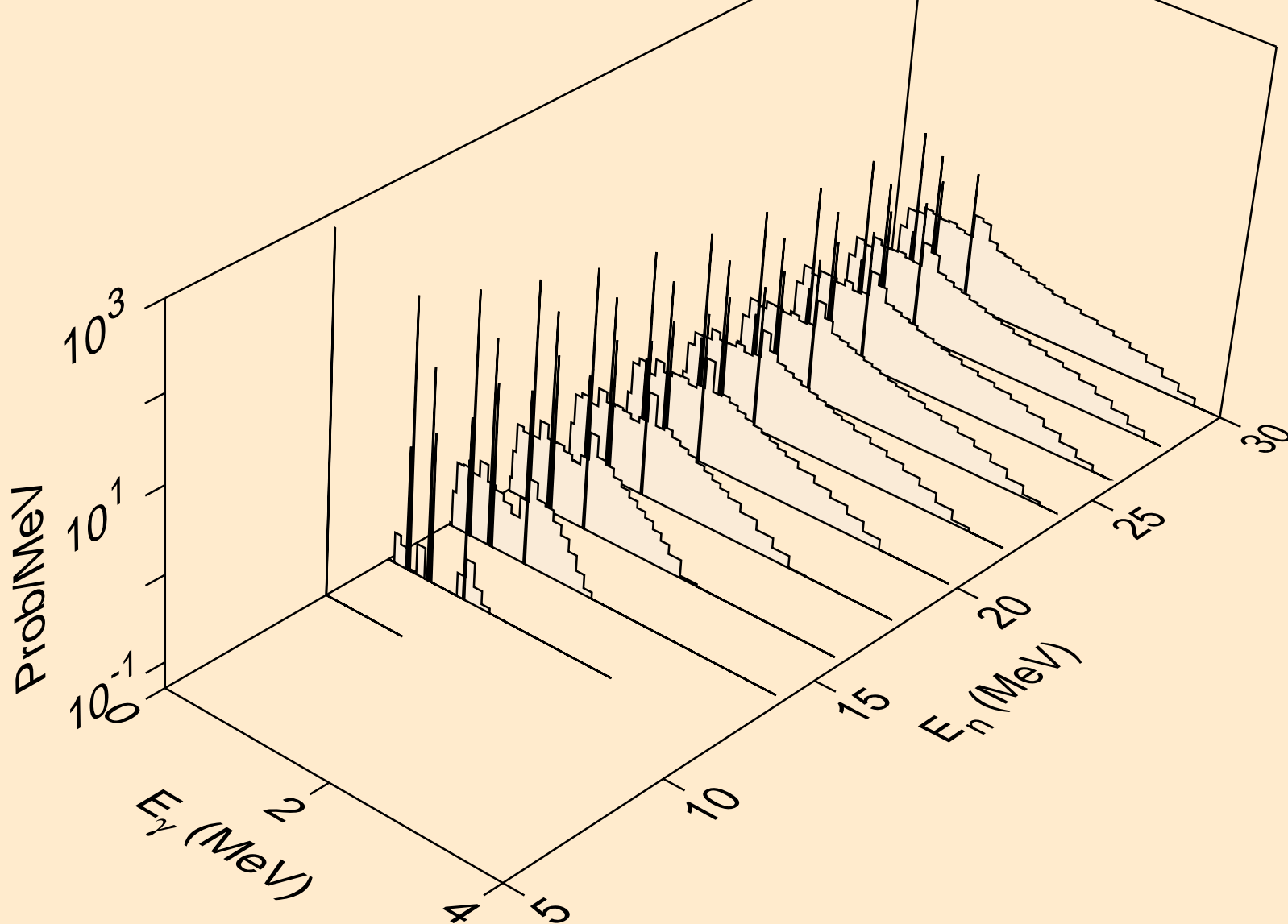
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



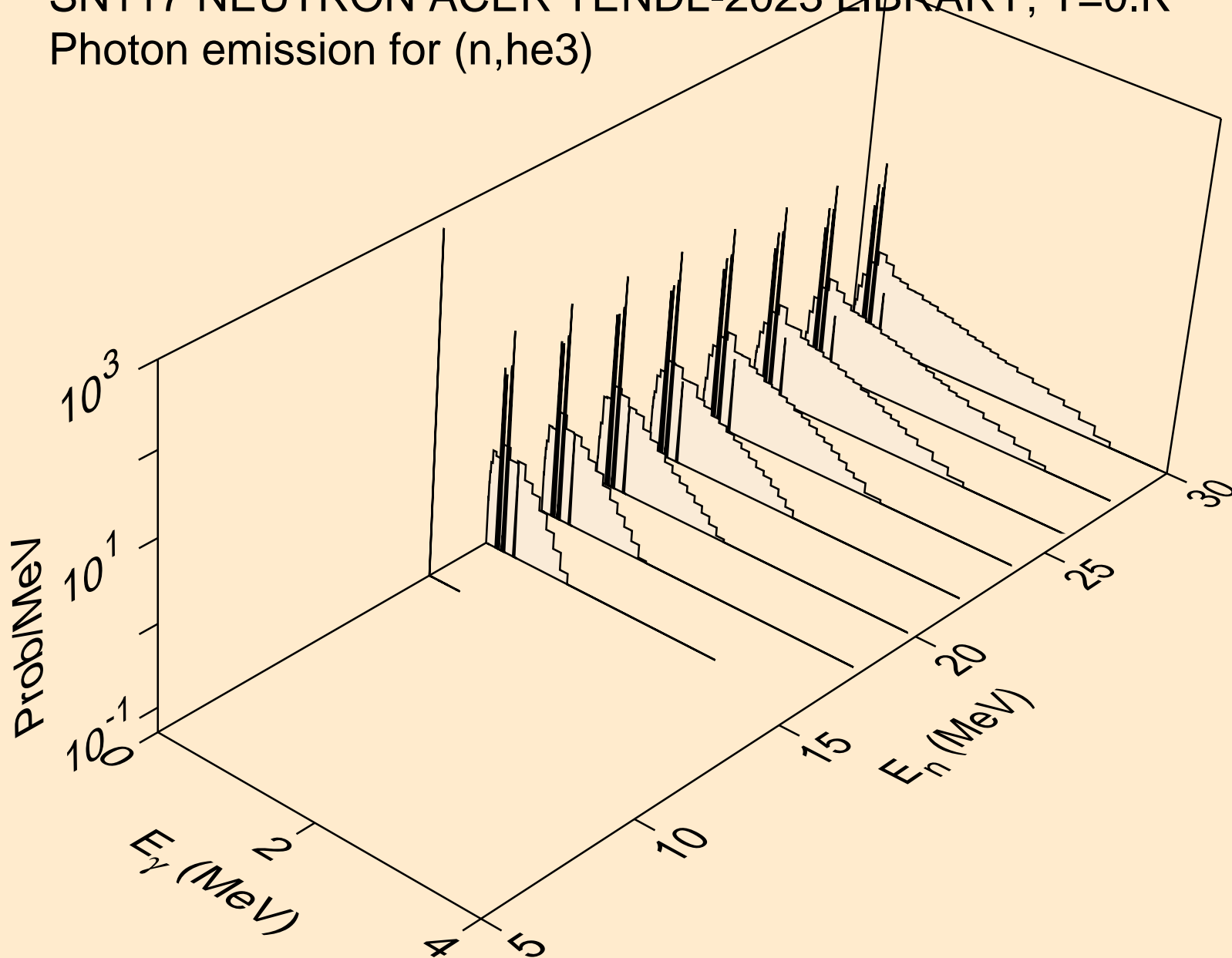
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



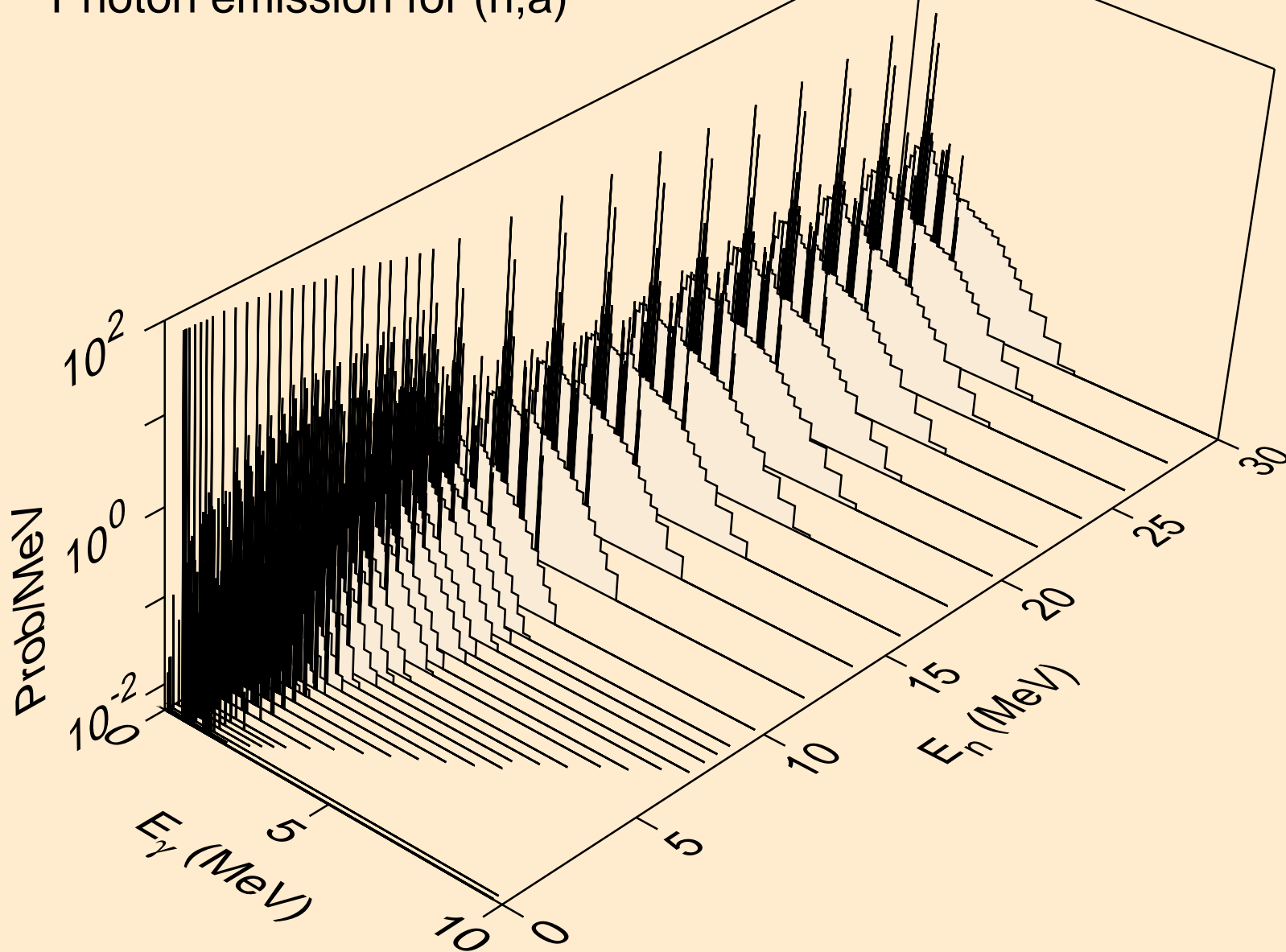
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



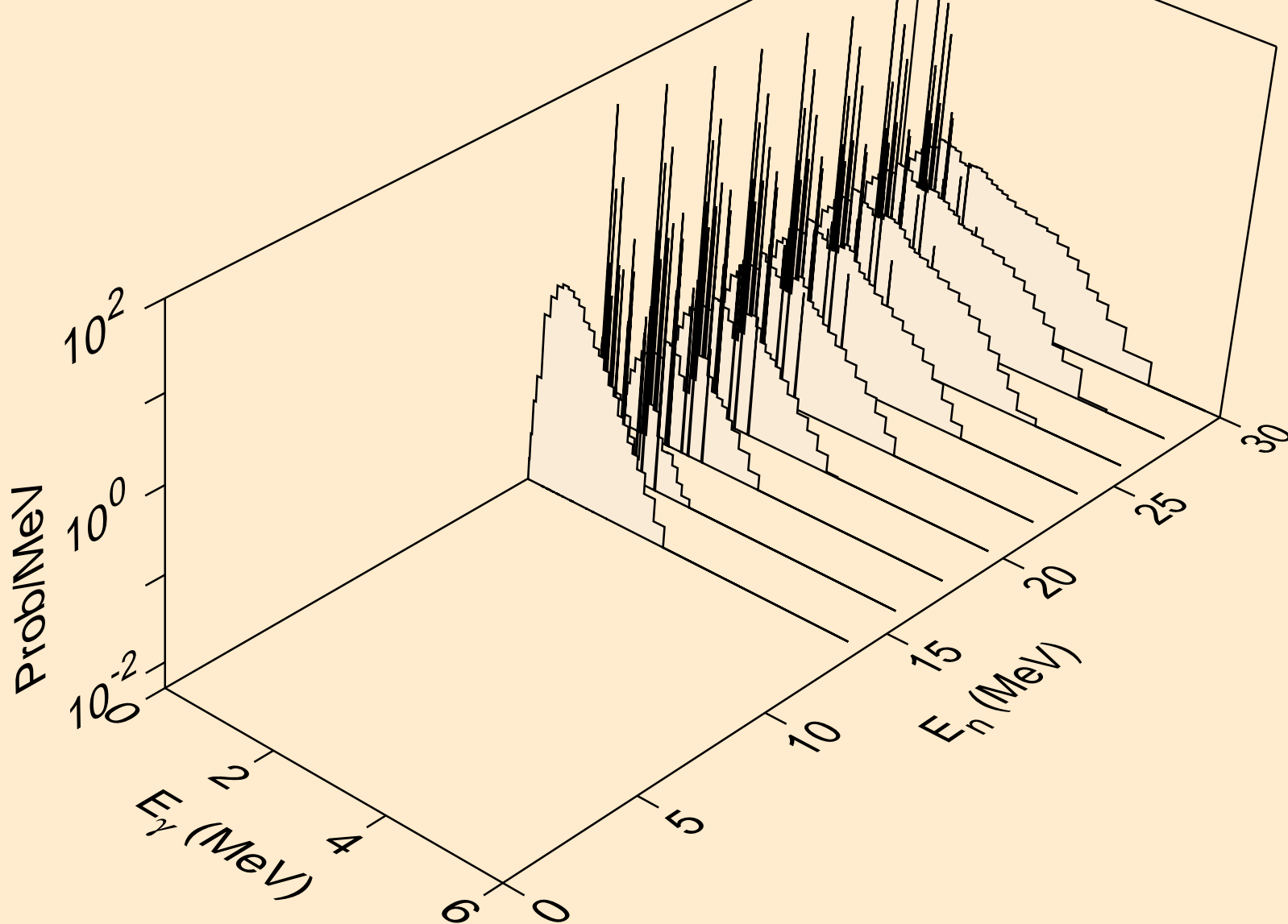
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)

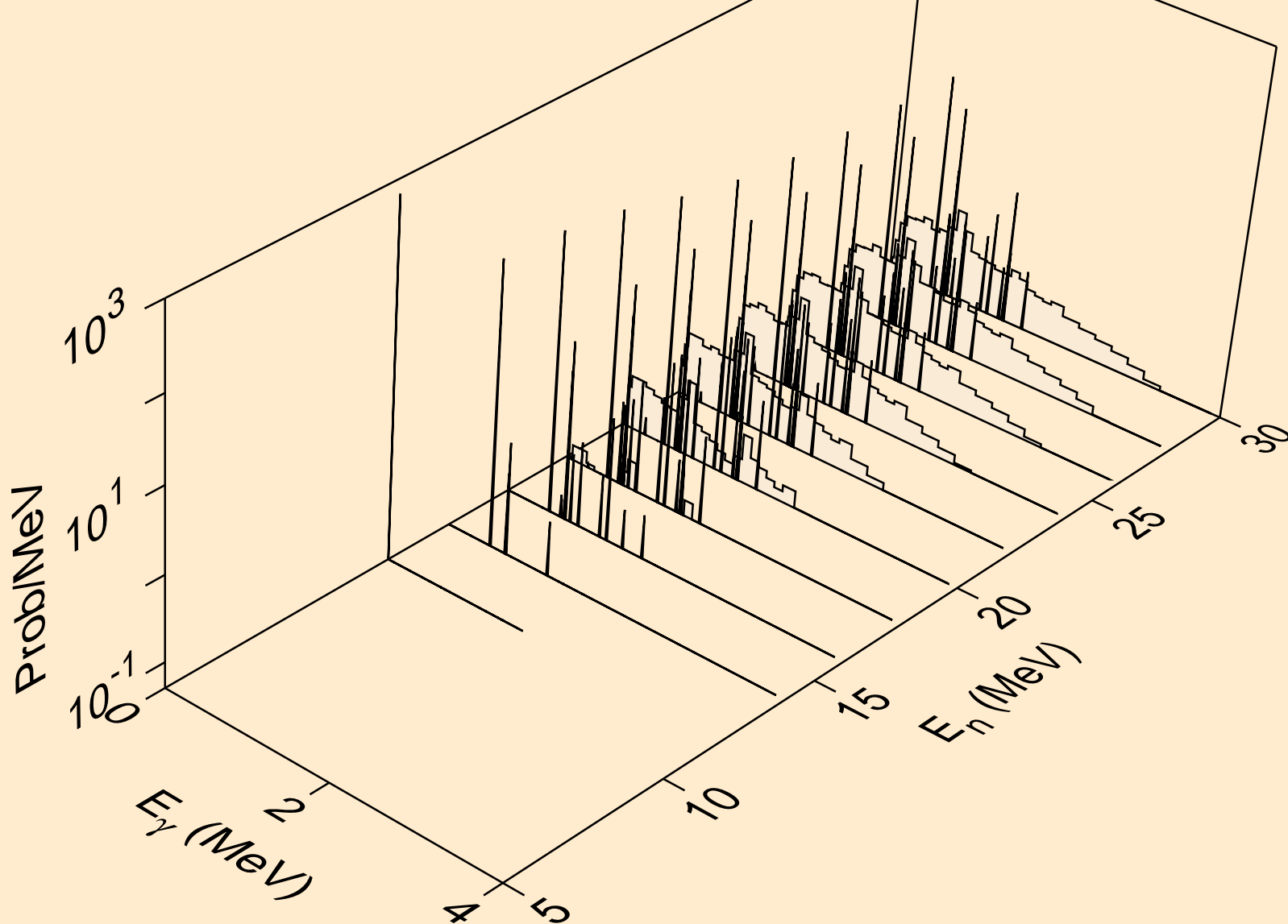


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)

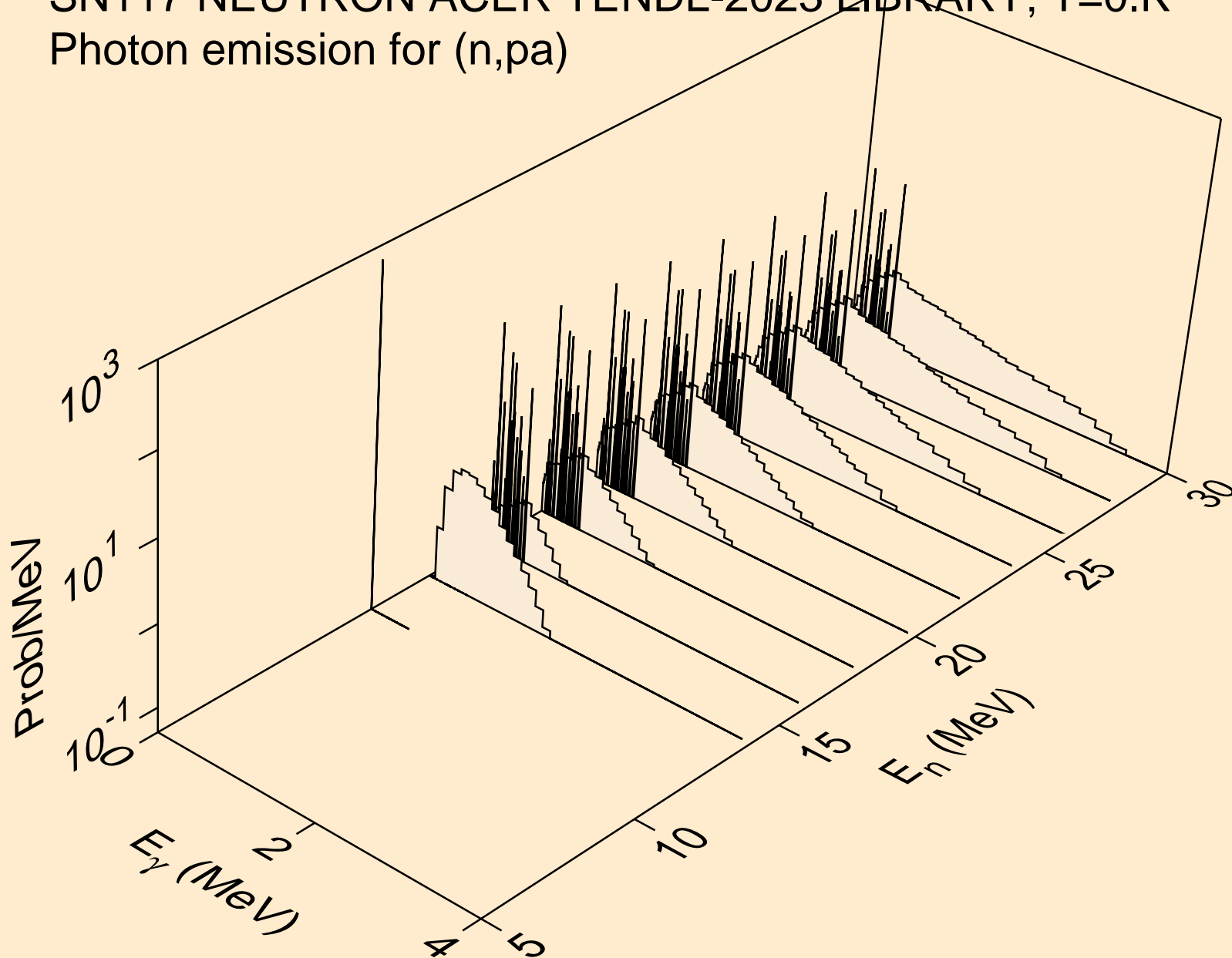




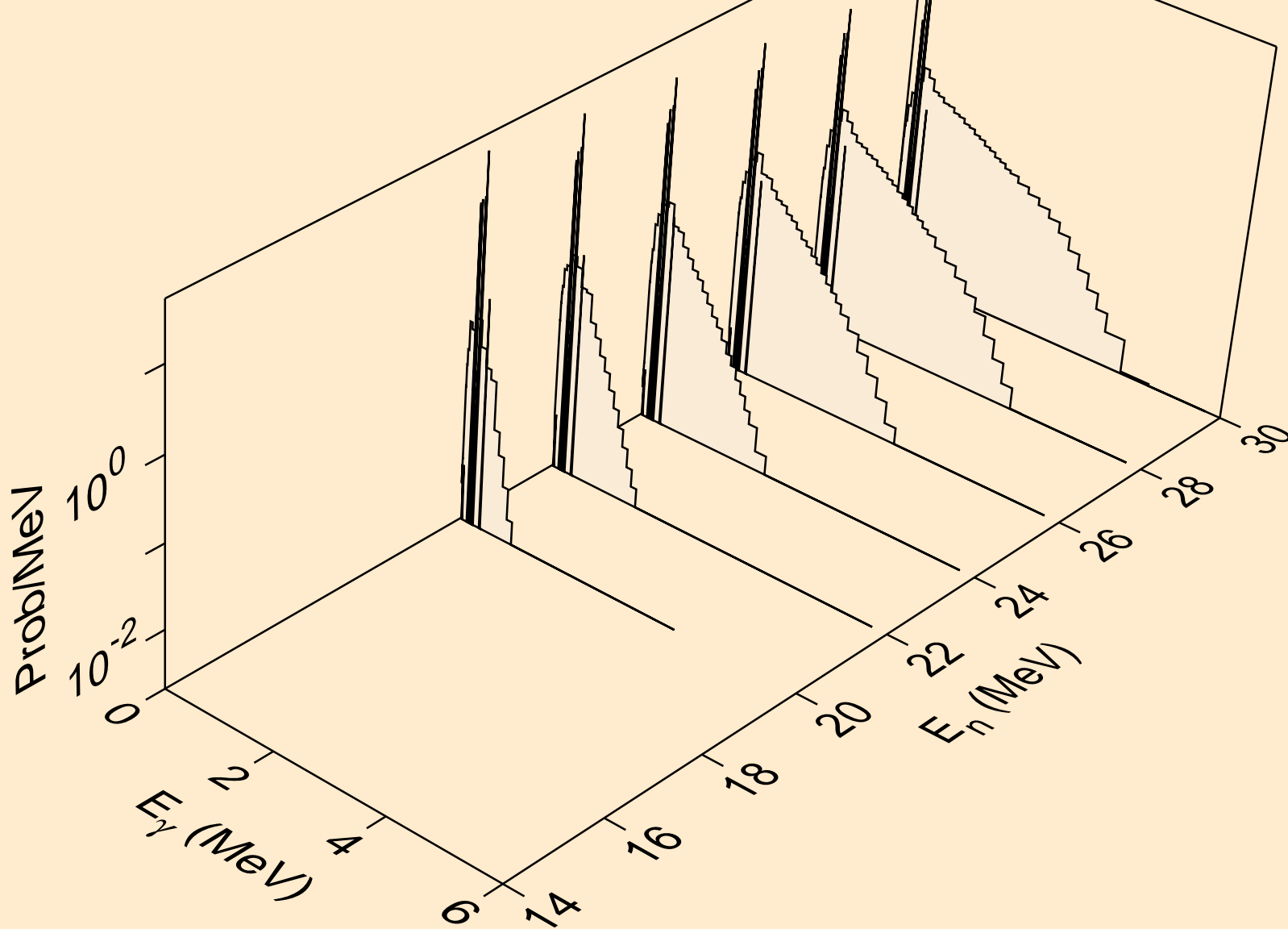
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2p)



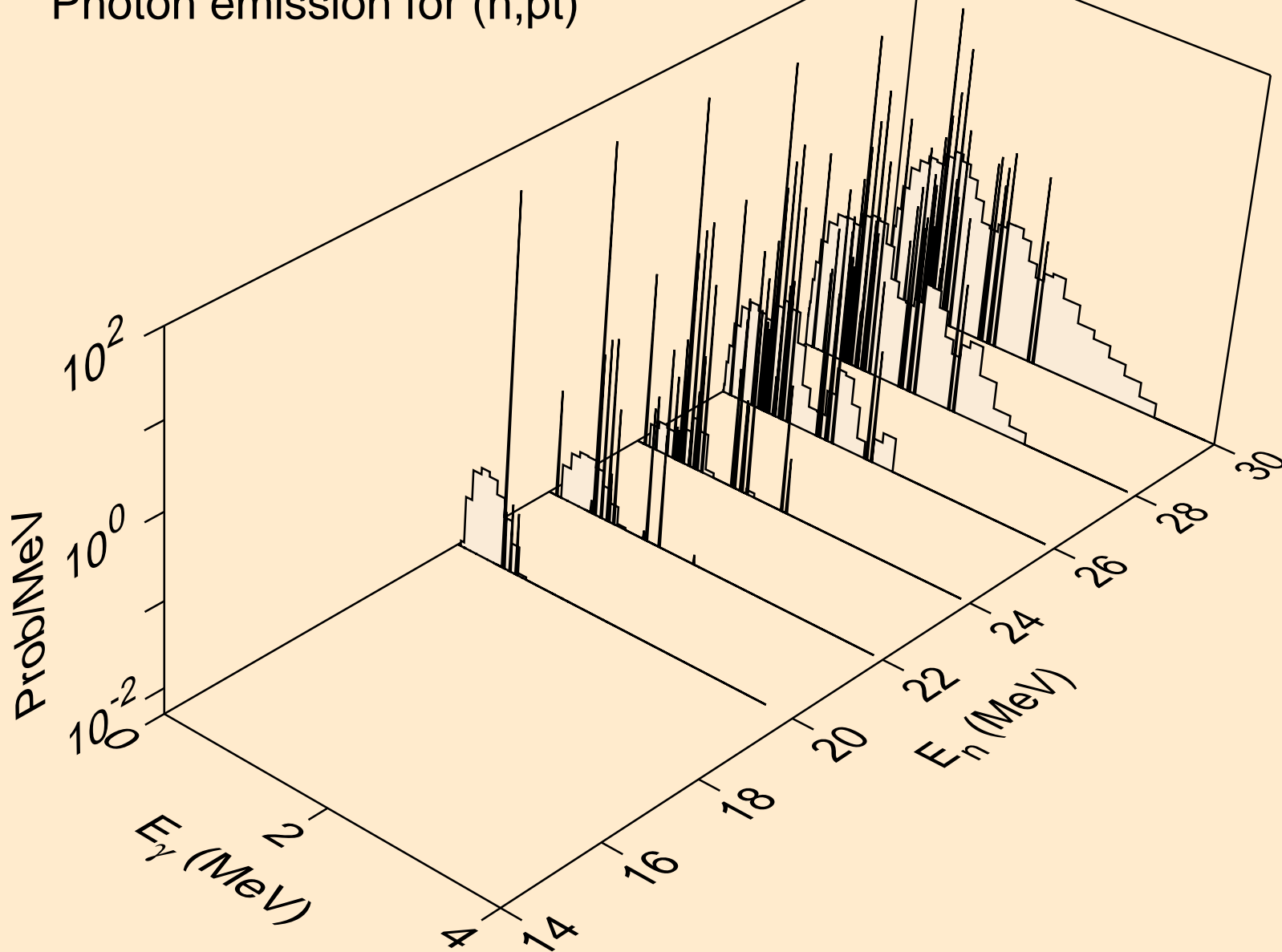
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



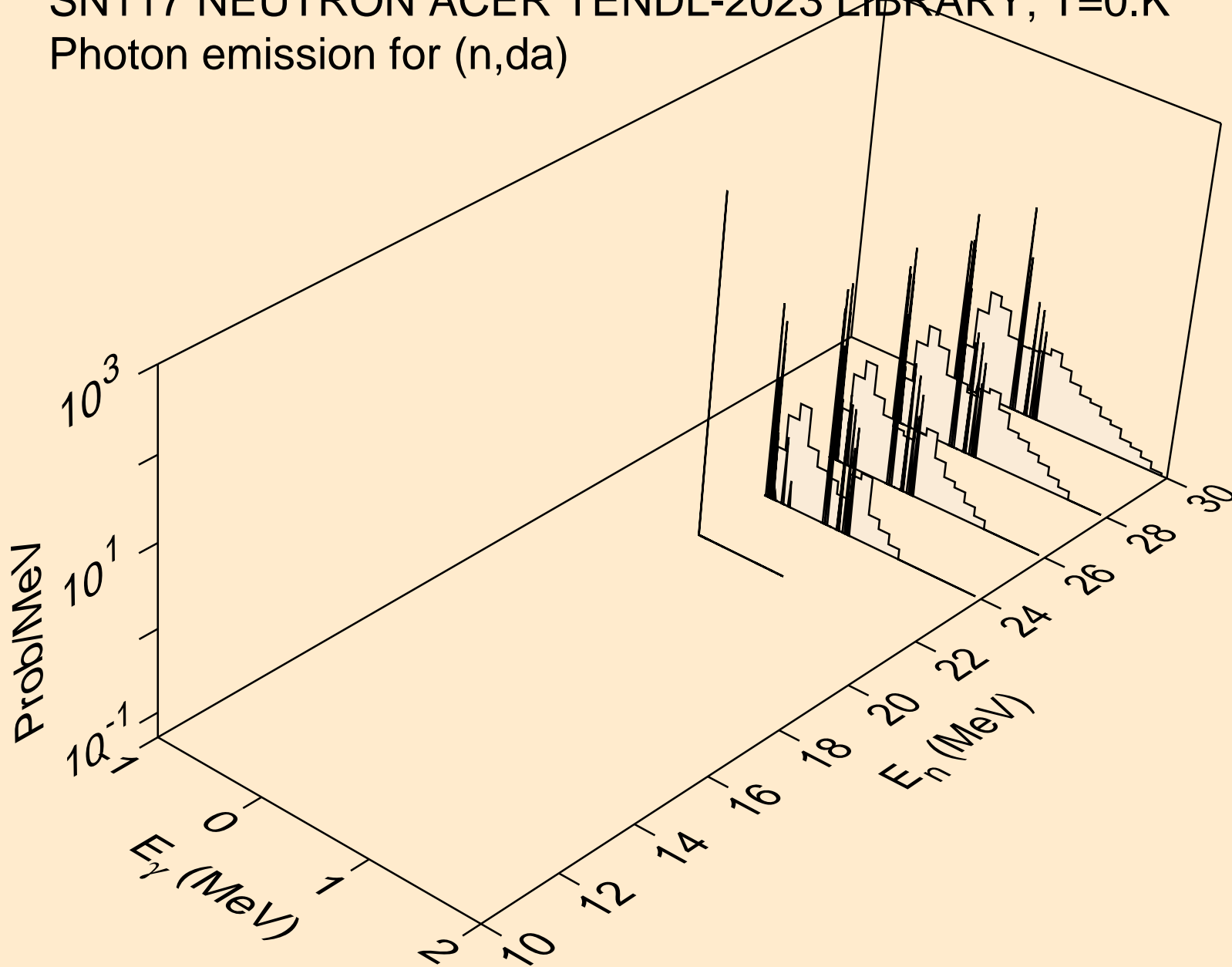
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



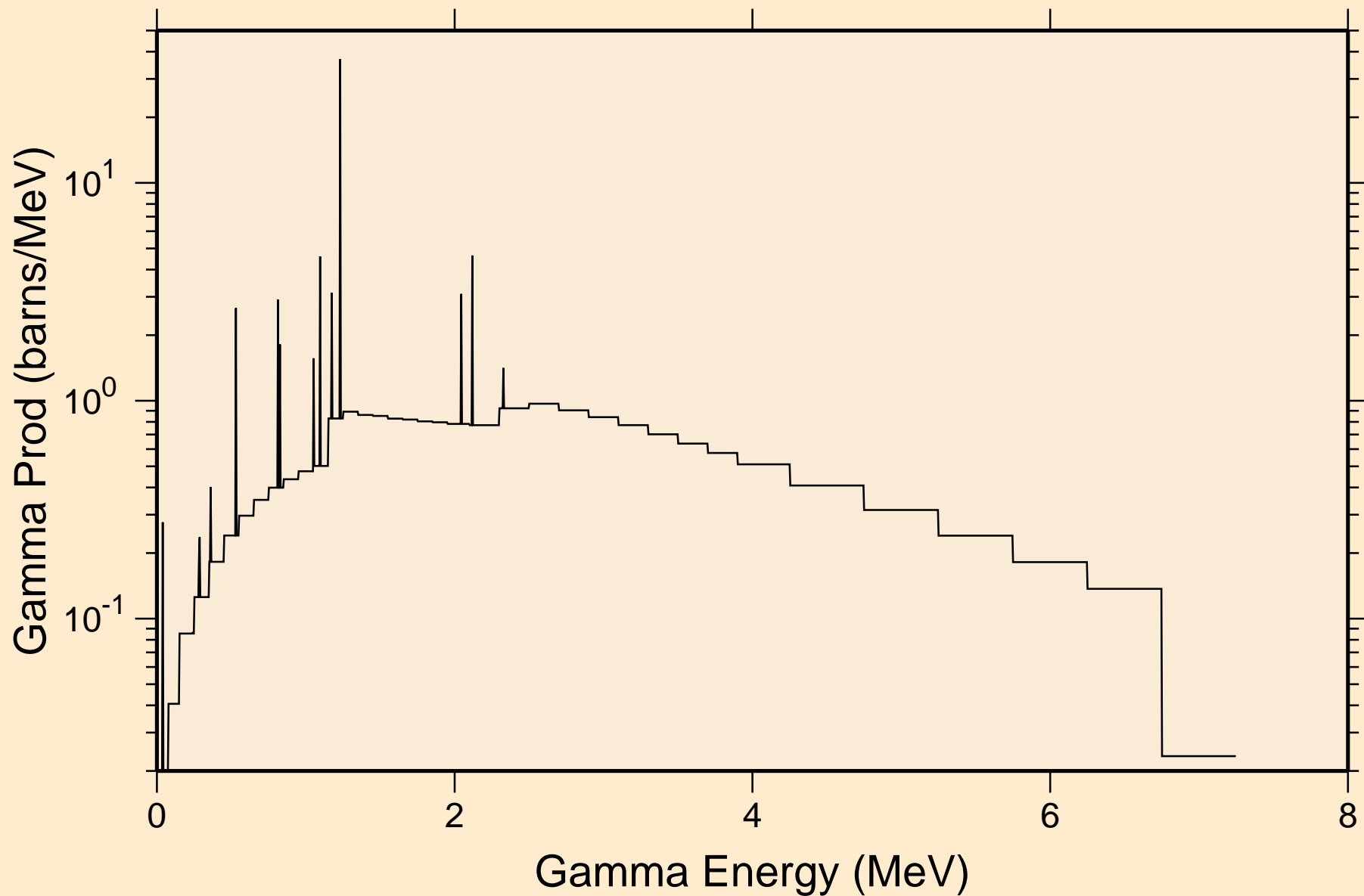
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



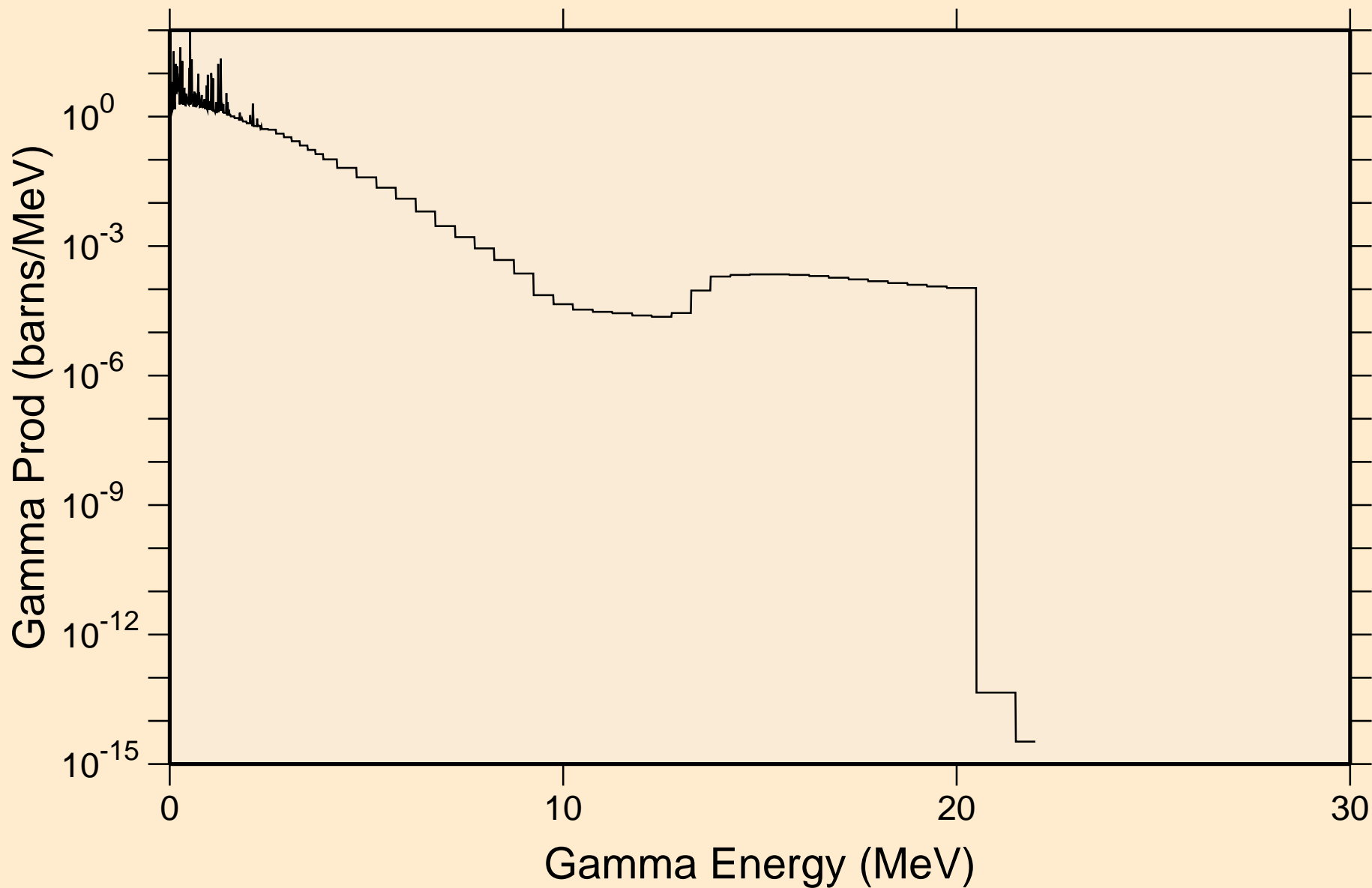
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

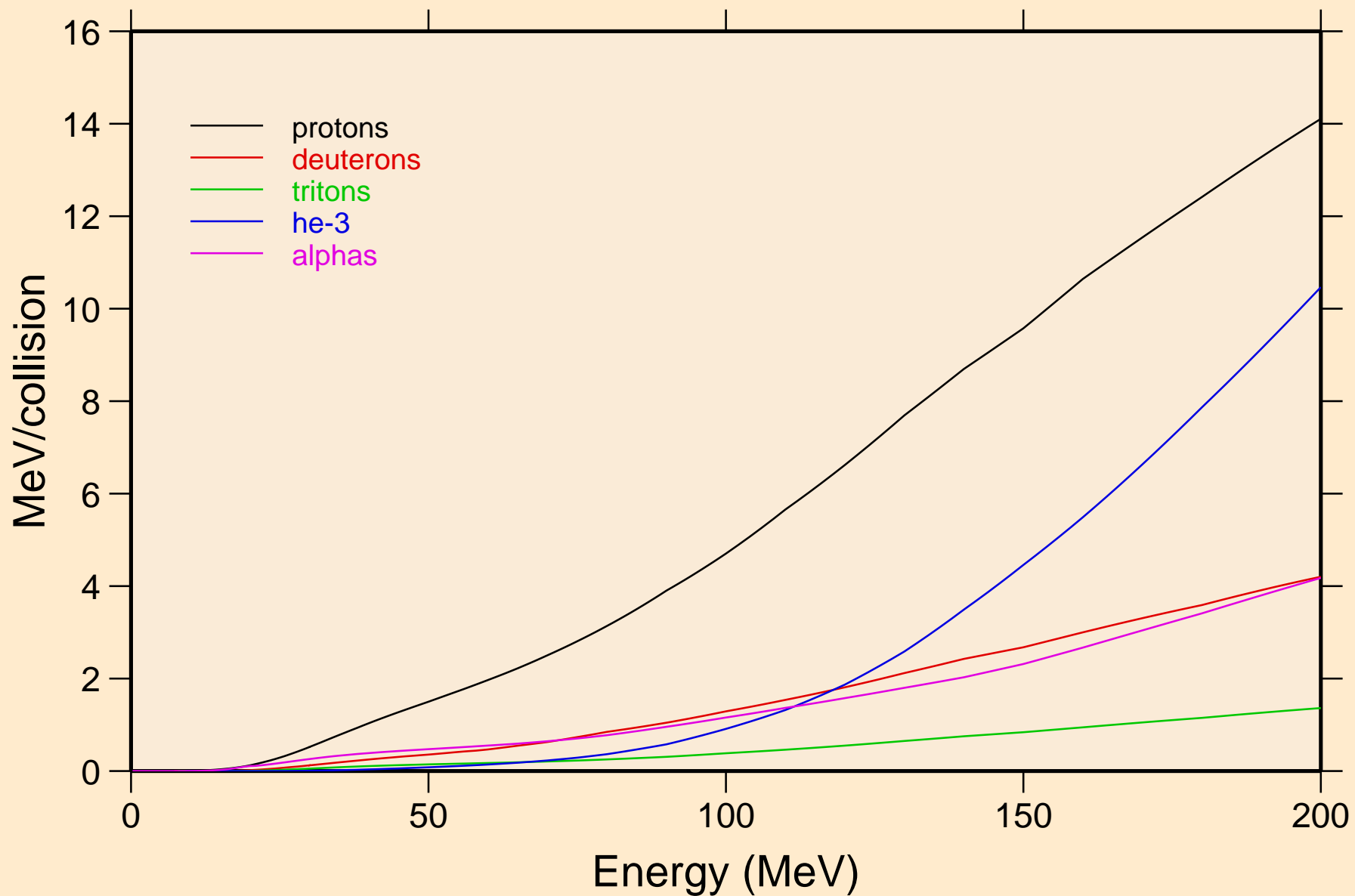


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

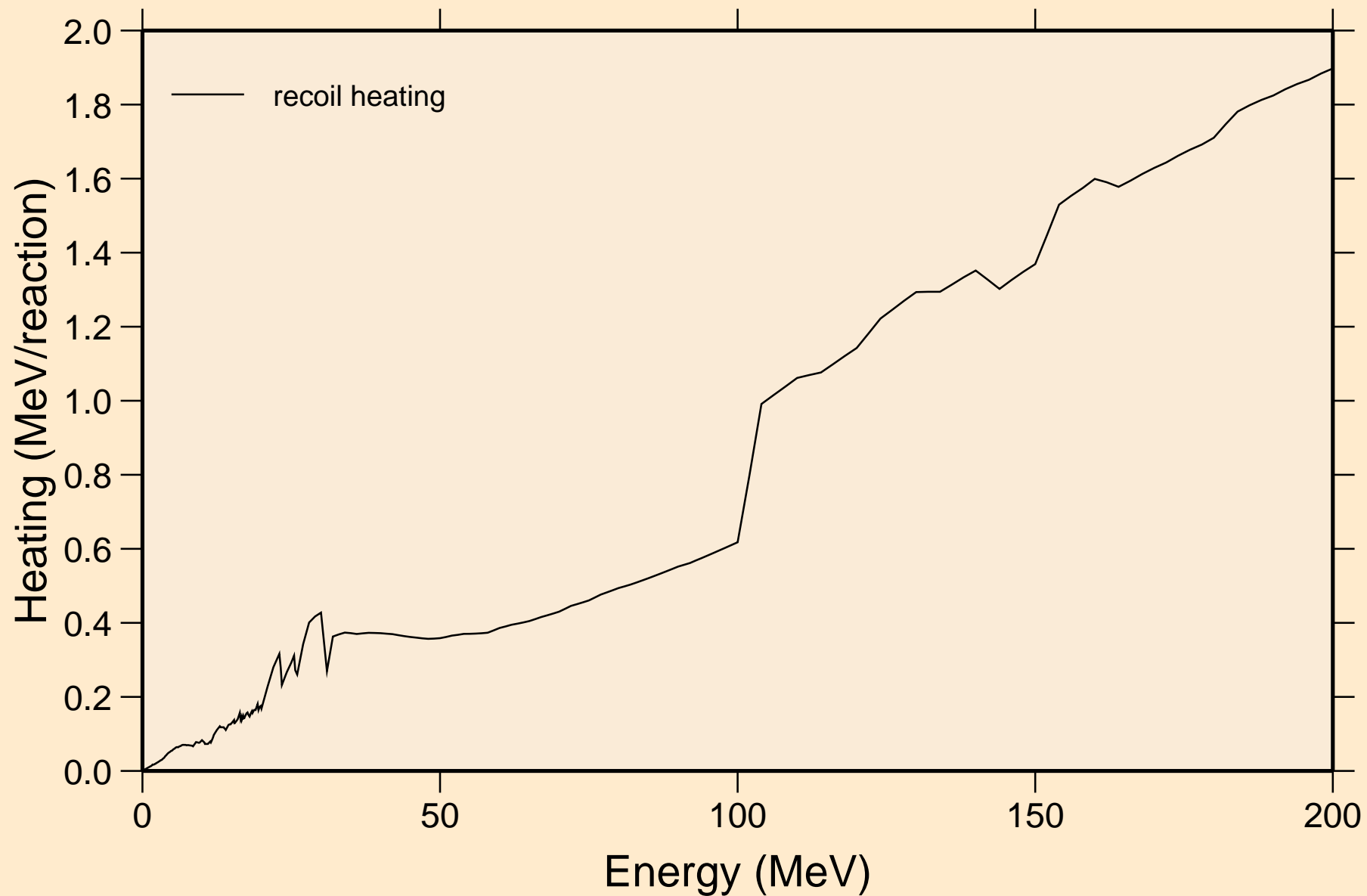
## Particle heating contributions





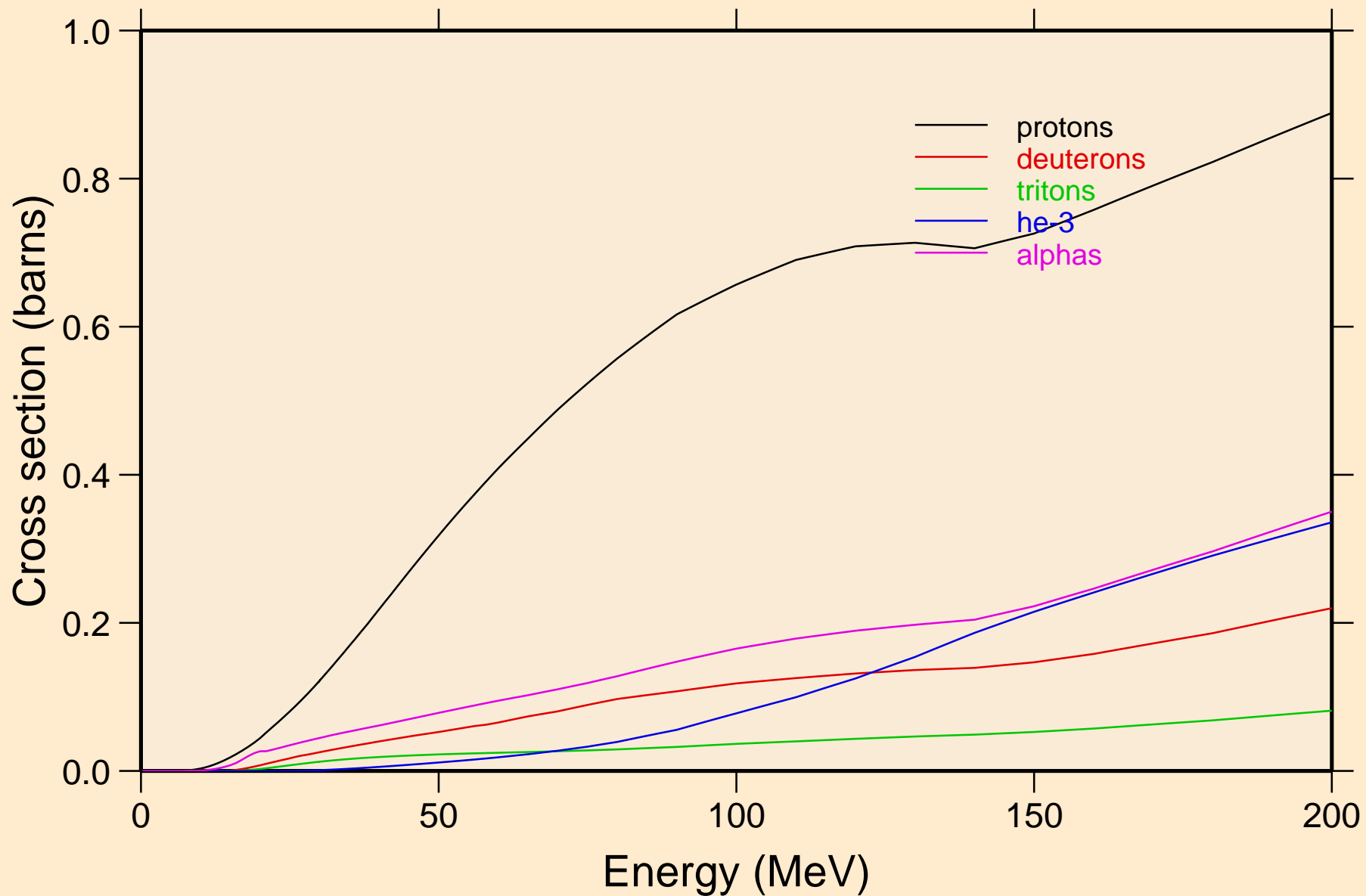
# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Recoil Heating

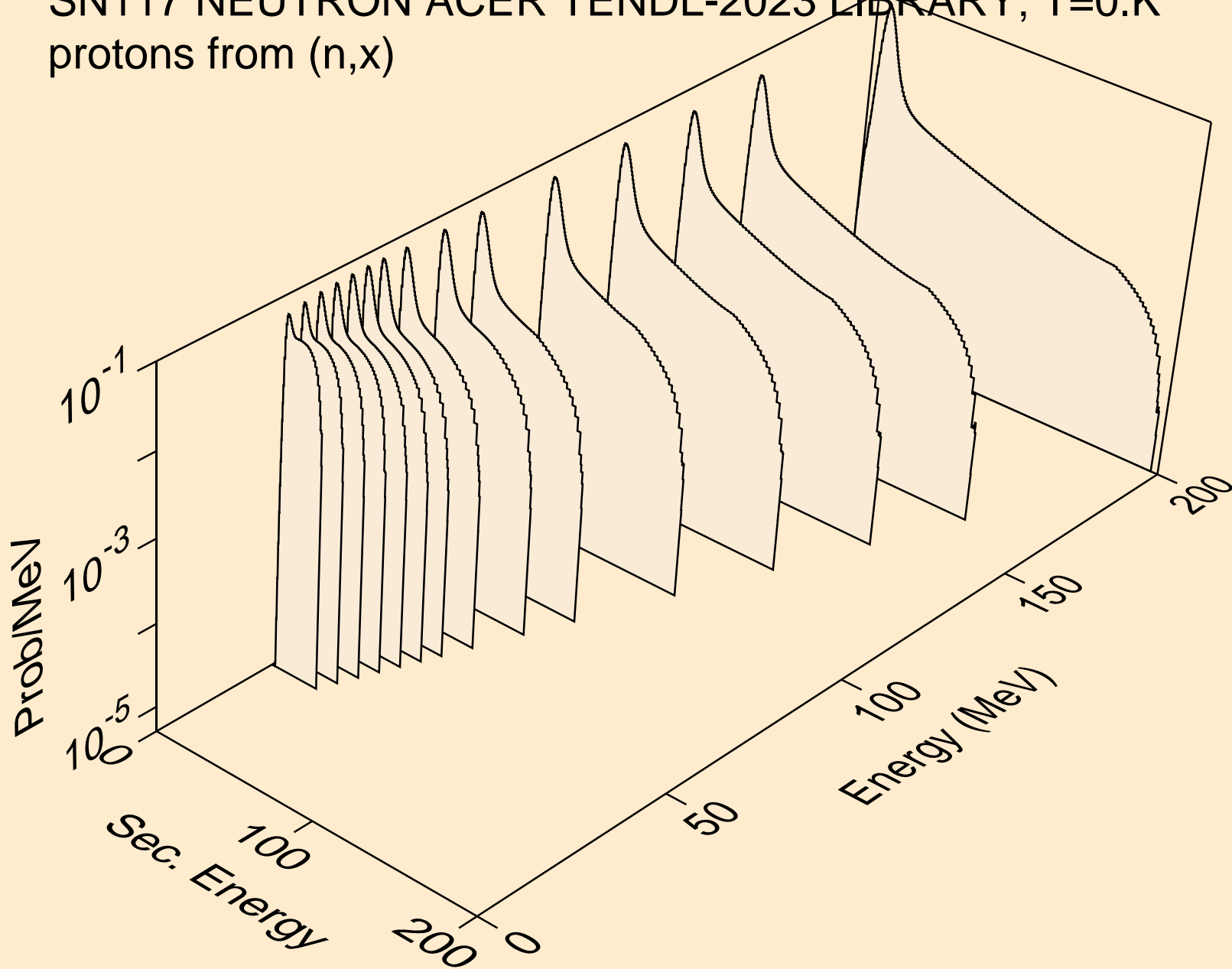


# SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

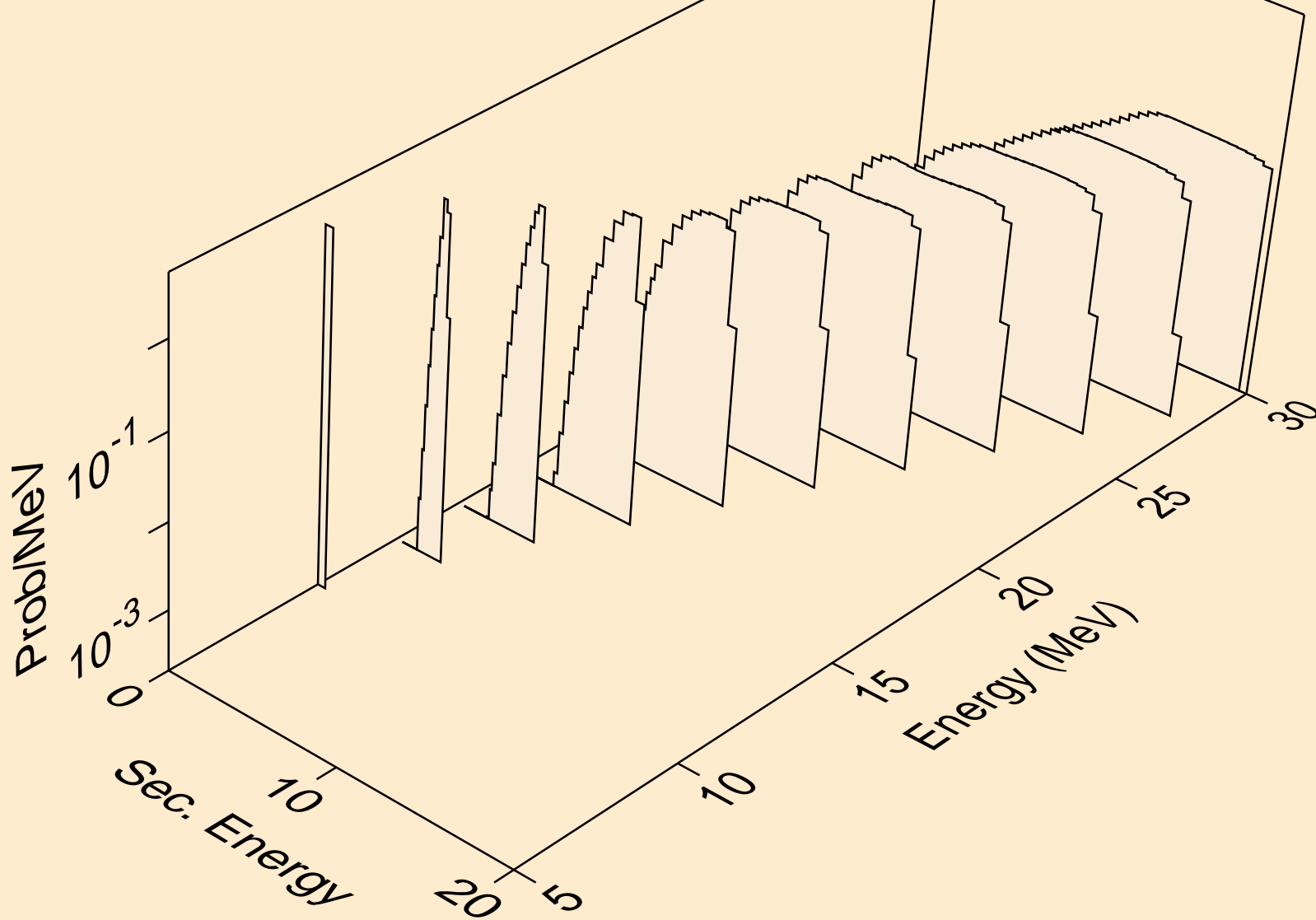
## Particle production cross sections



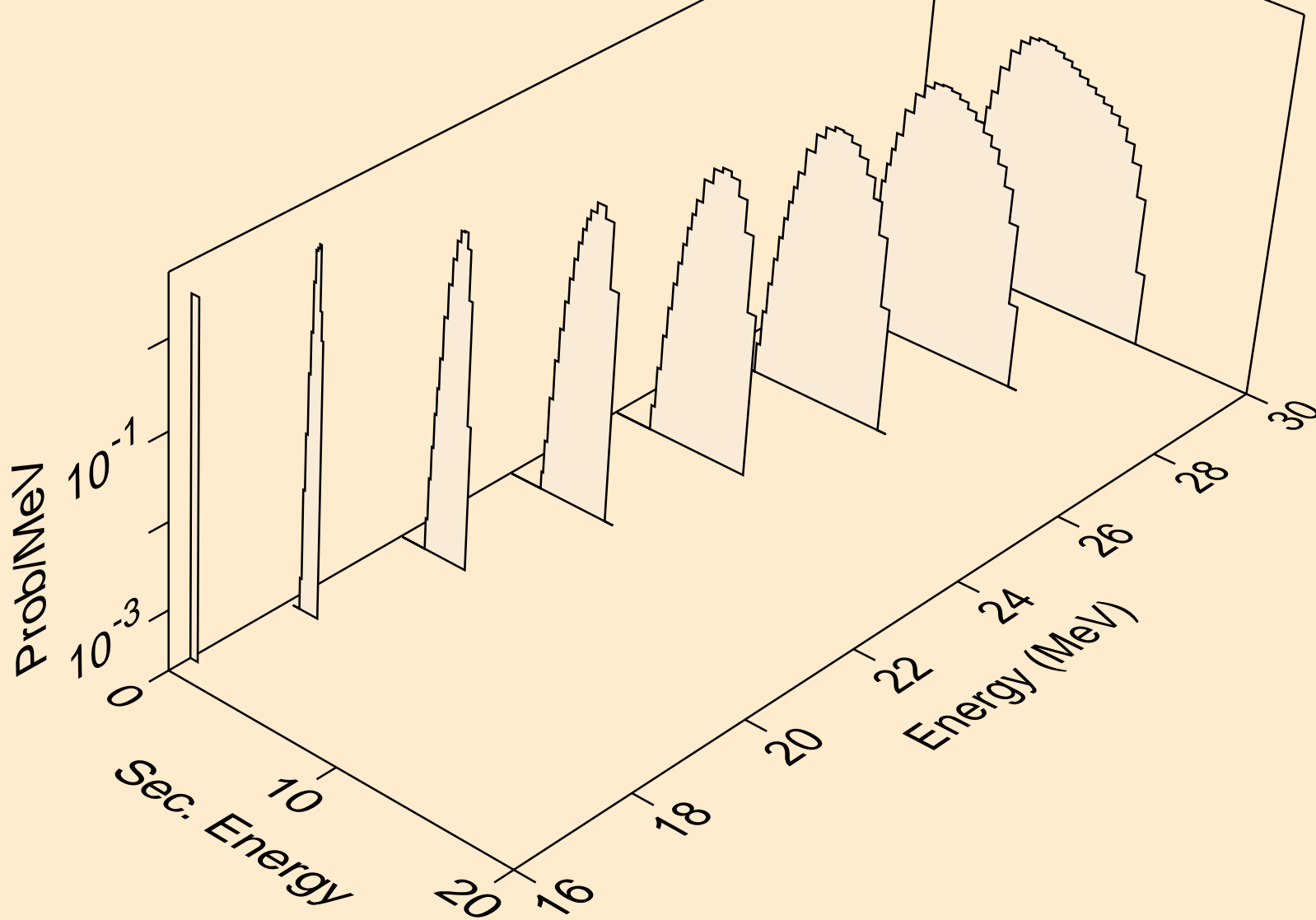
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



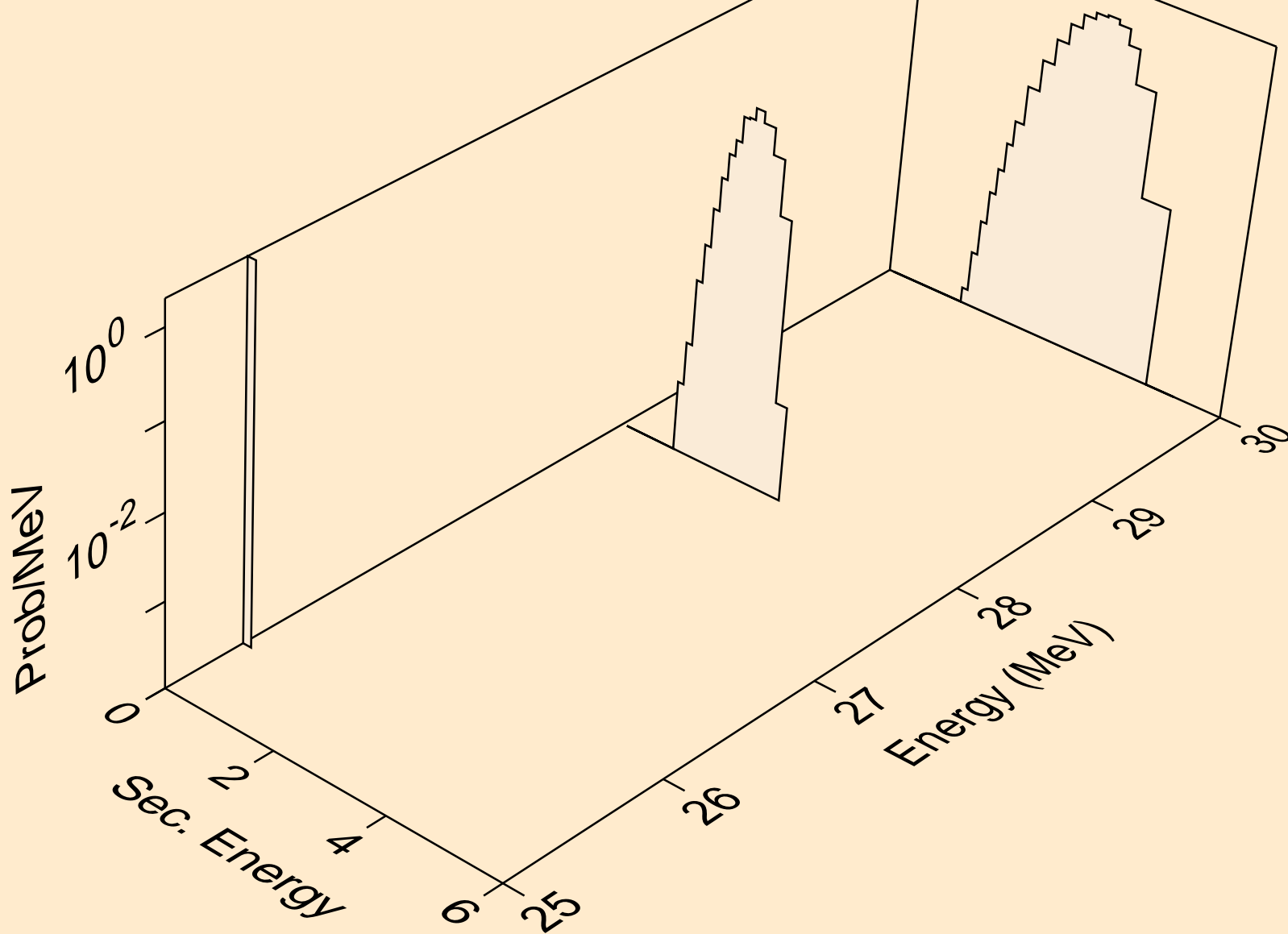
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



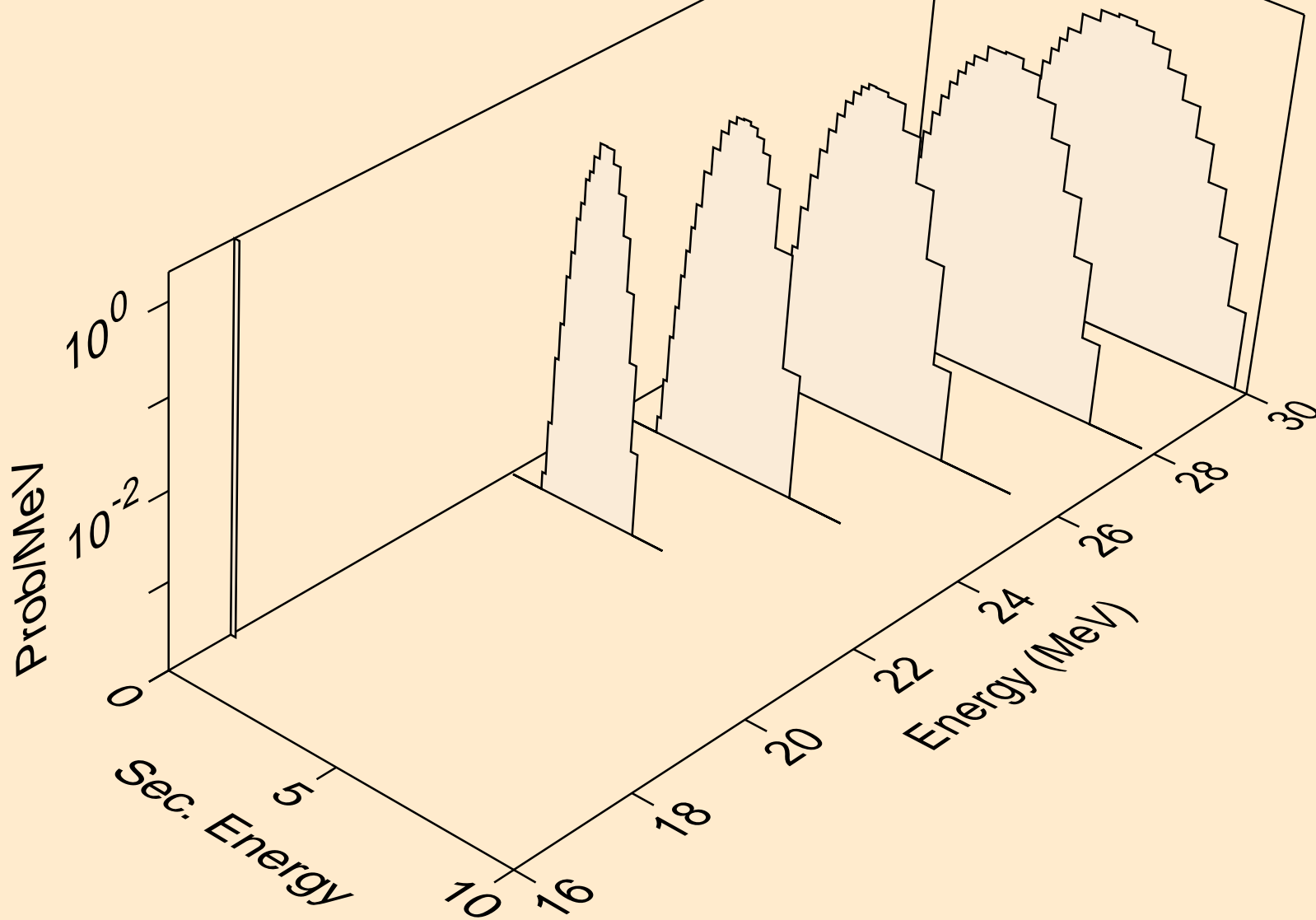
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



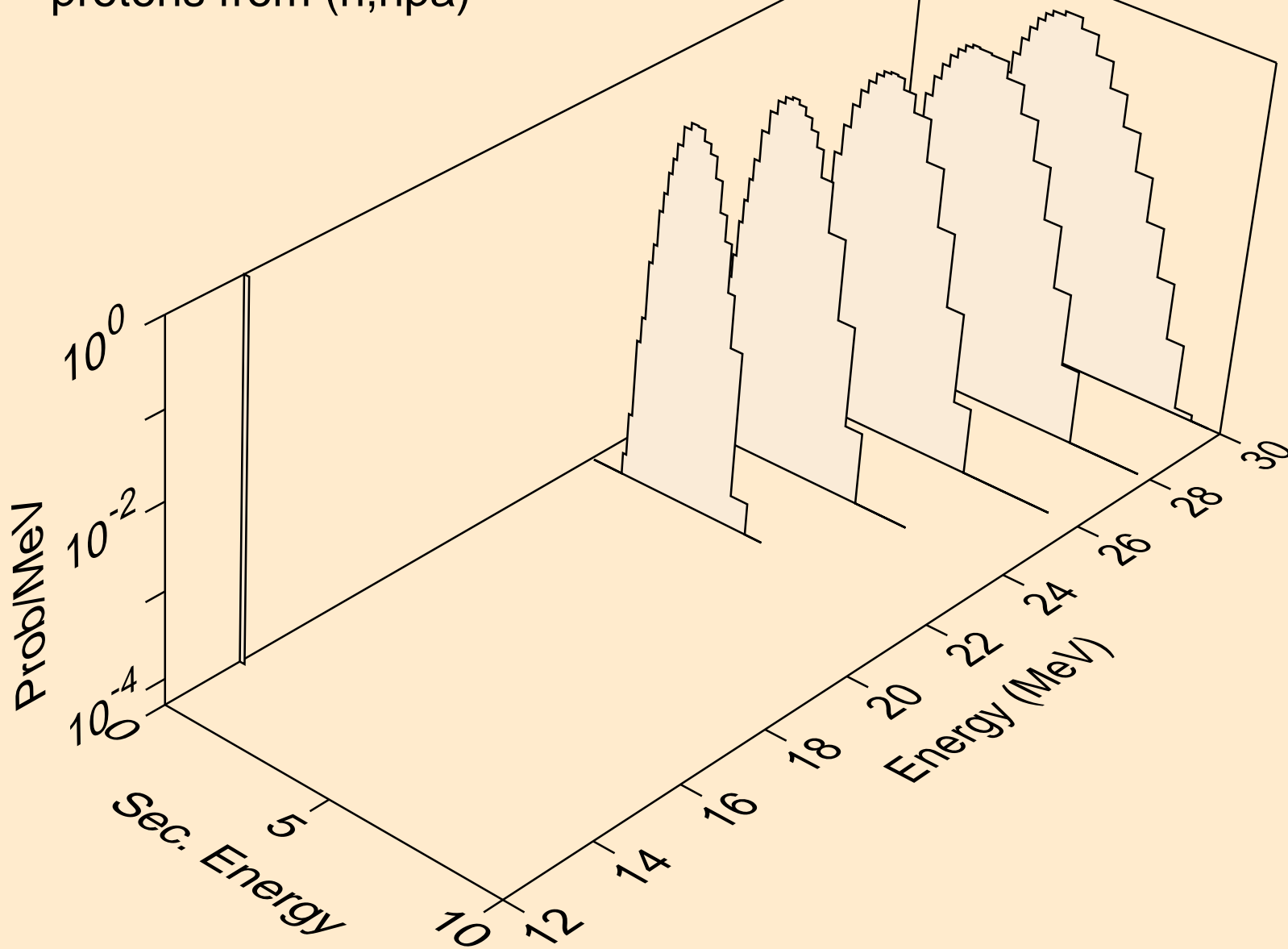
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

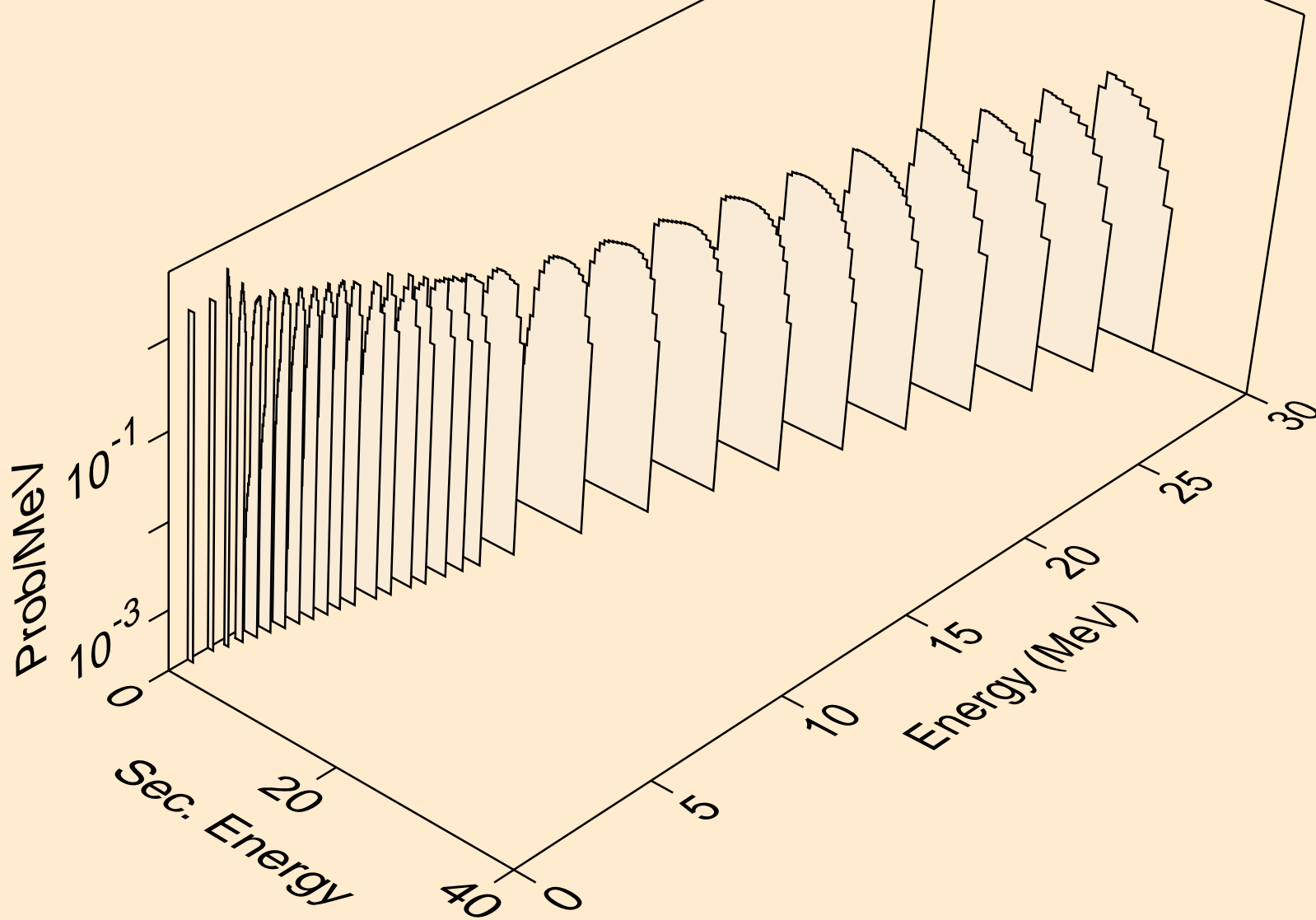


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,npa)

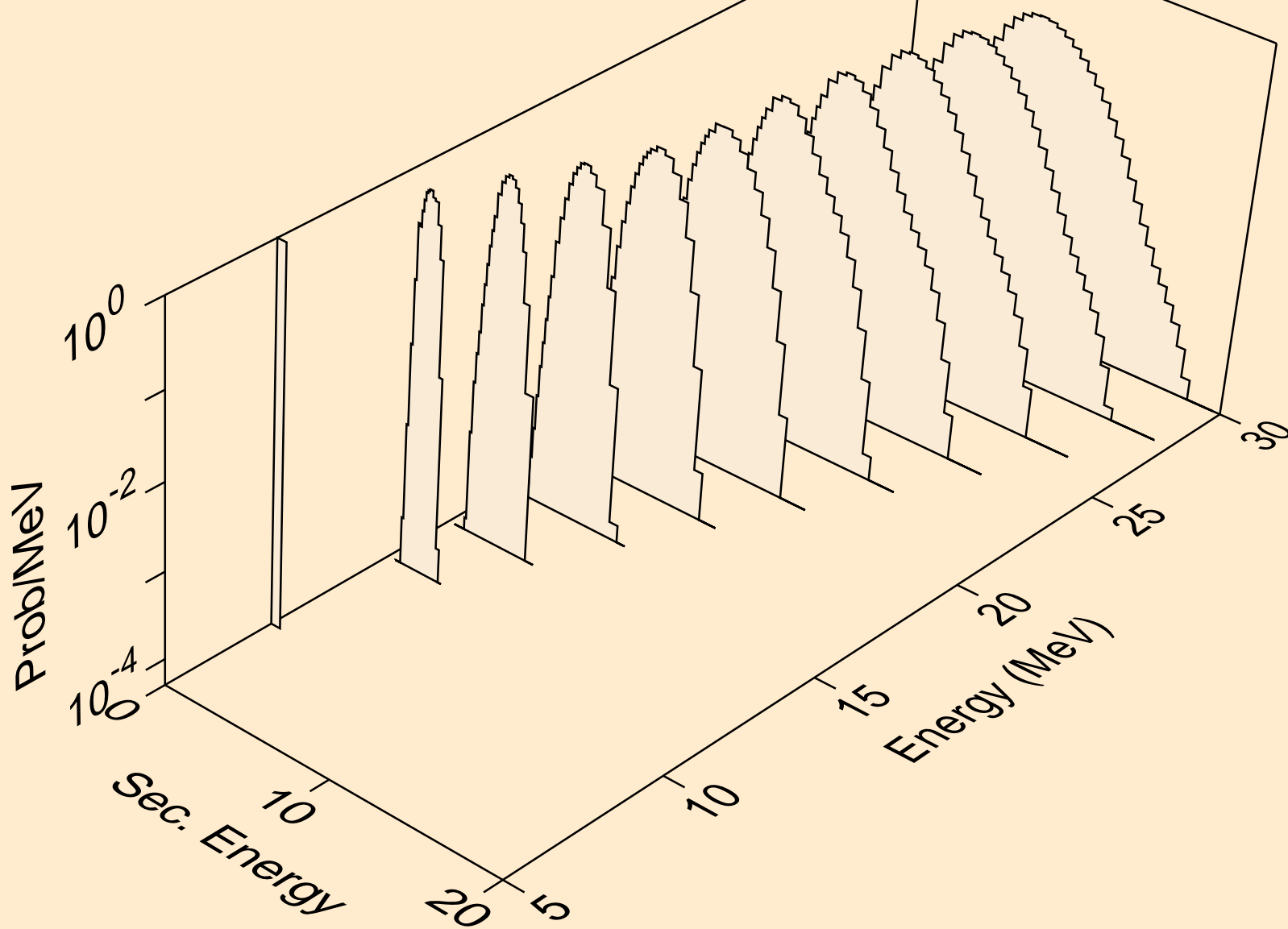




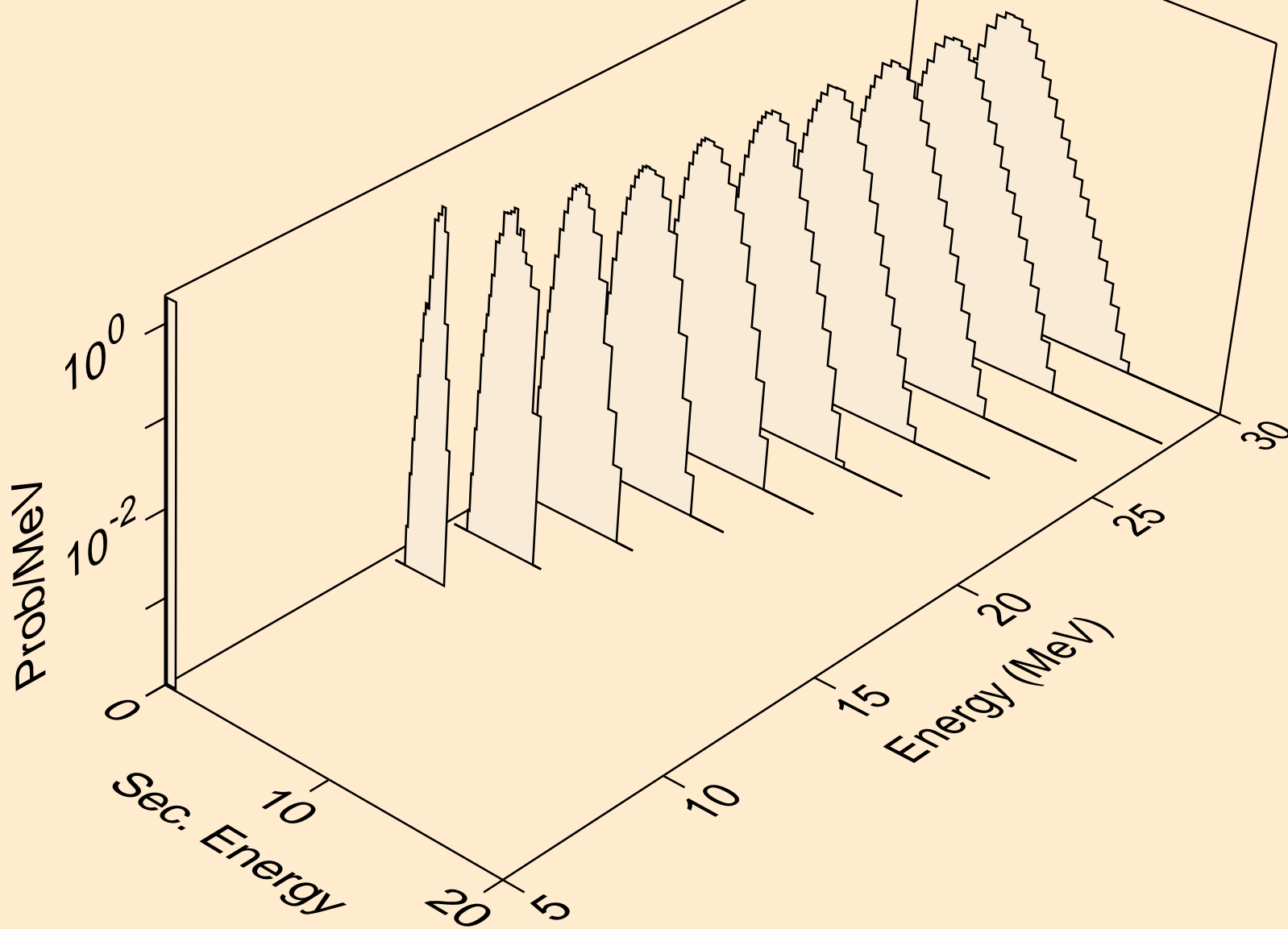
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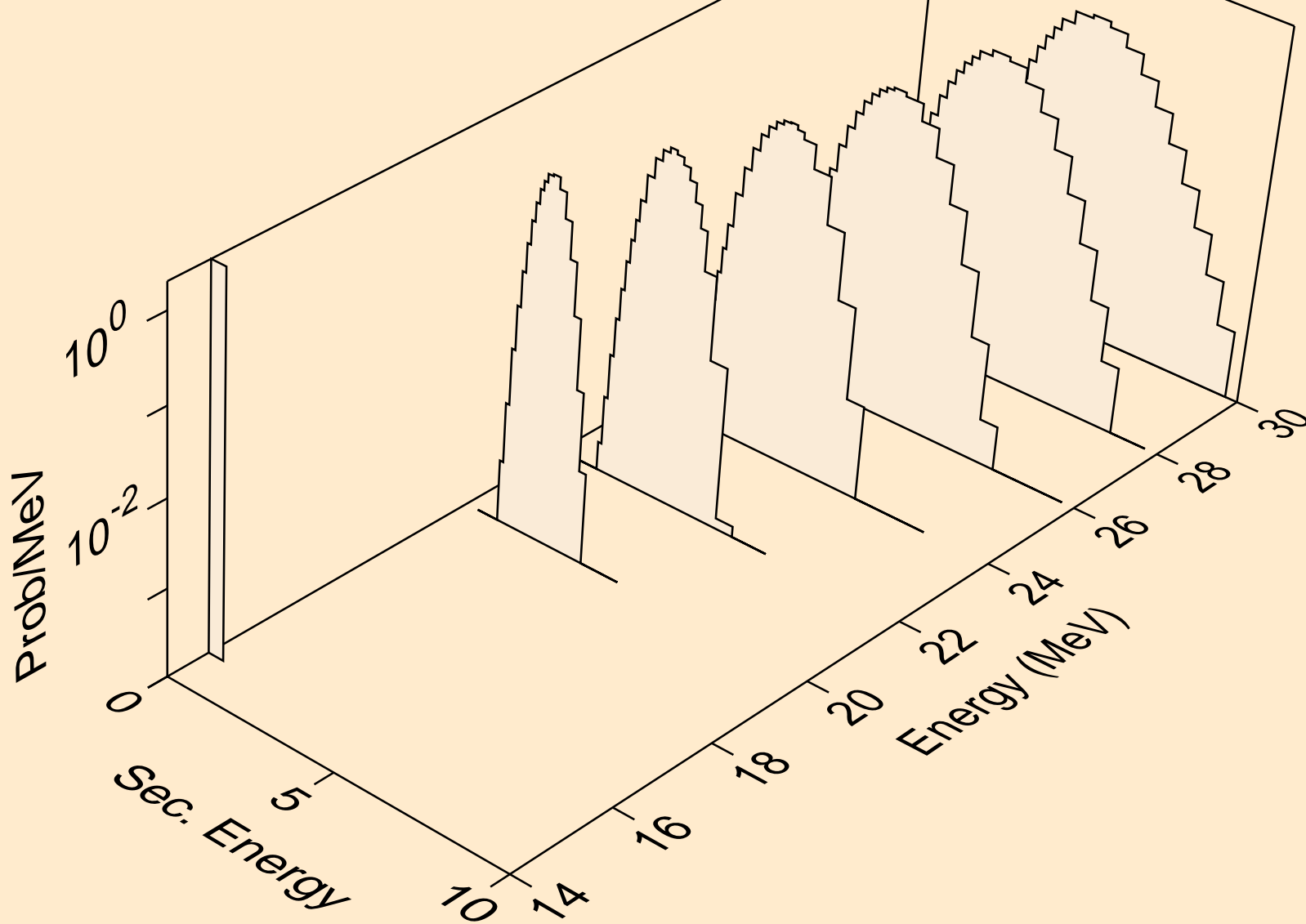
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protons from (n,2p)



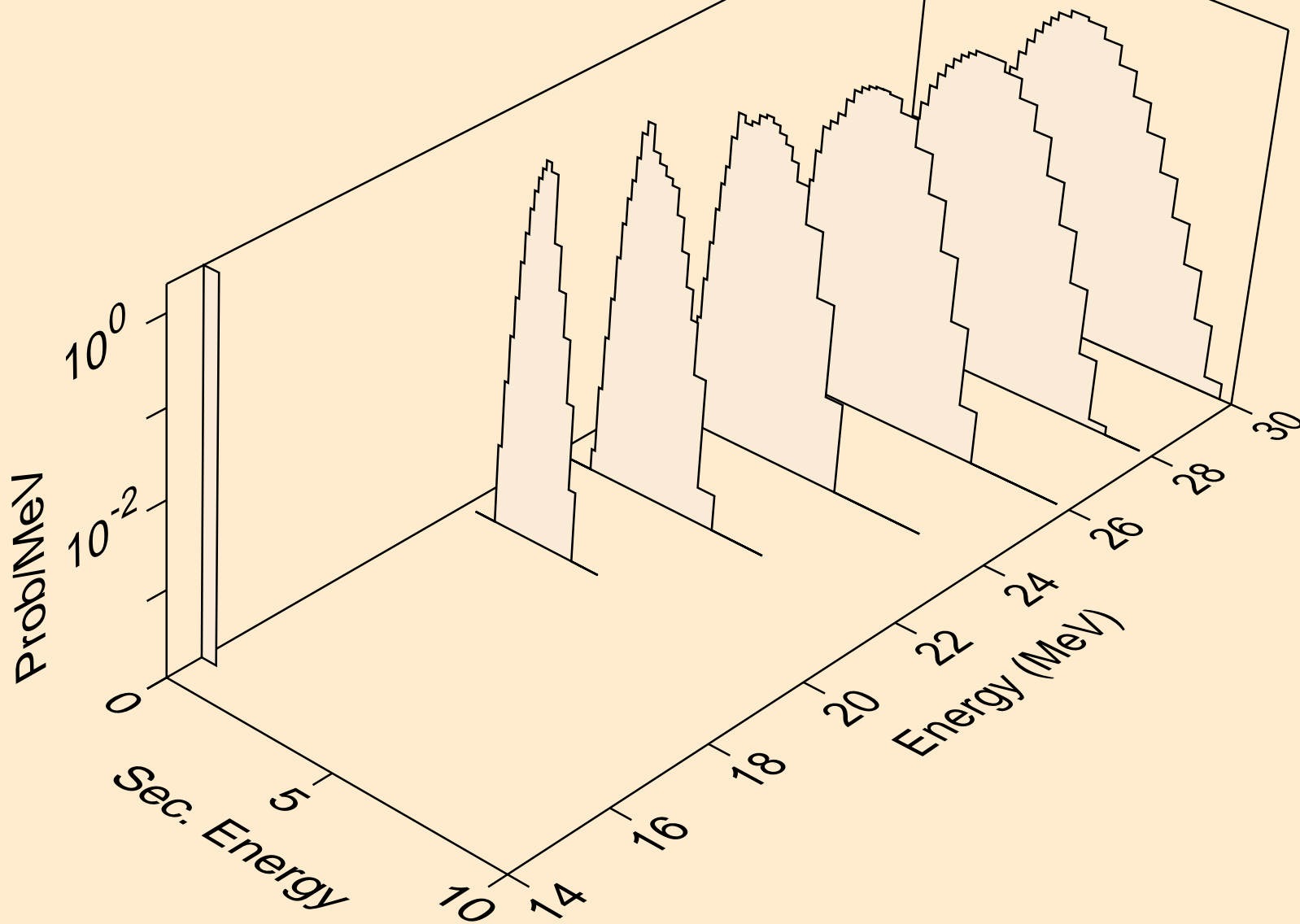
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protons from (n,p)



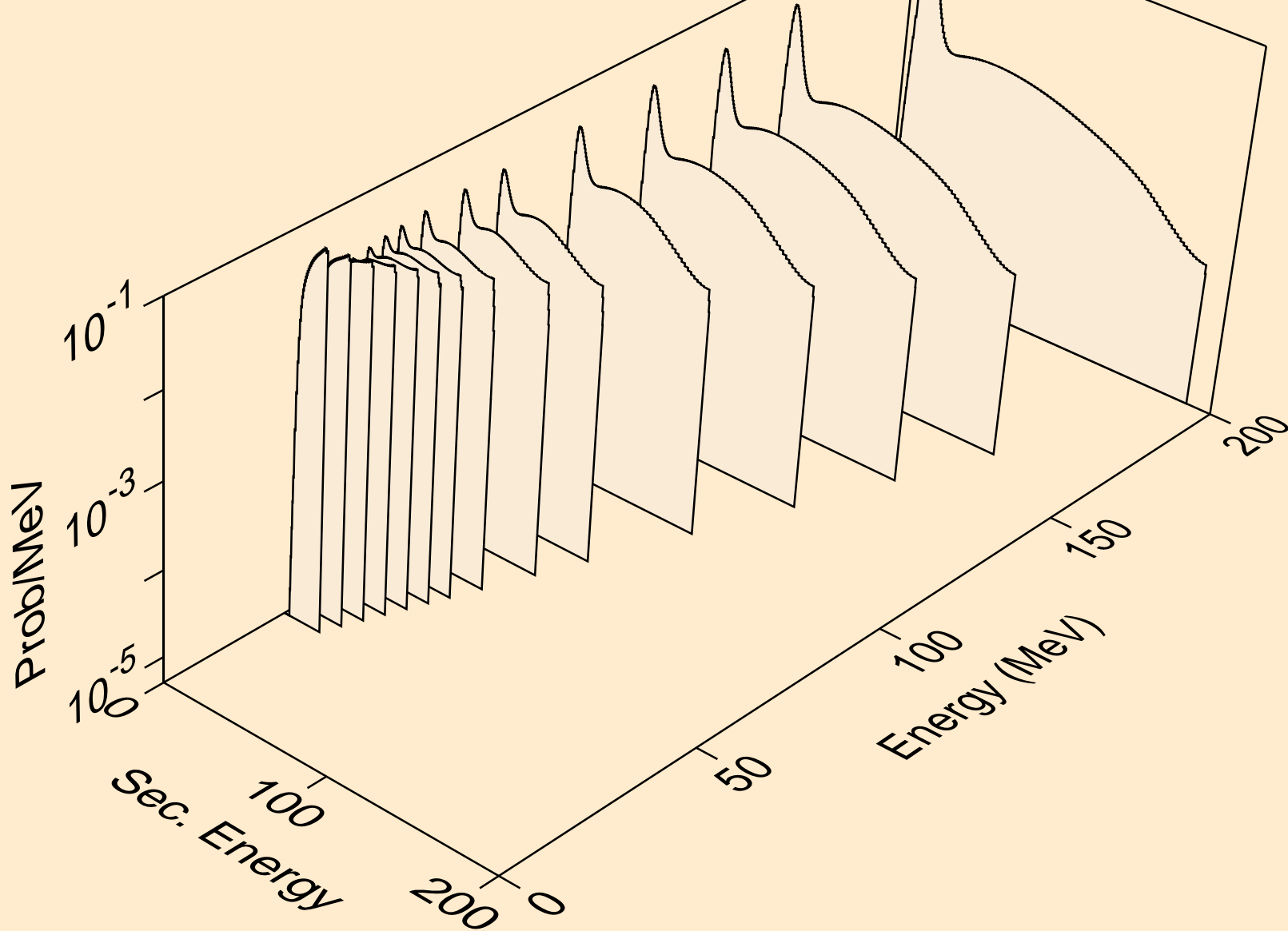
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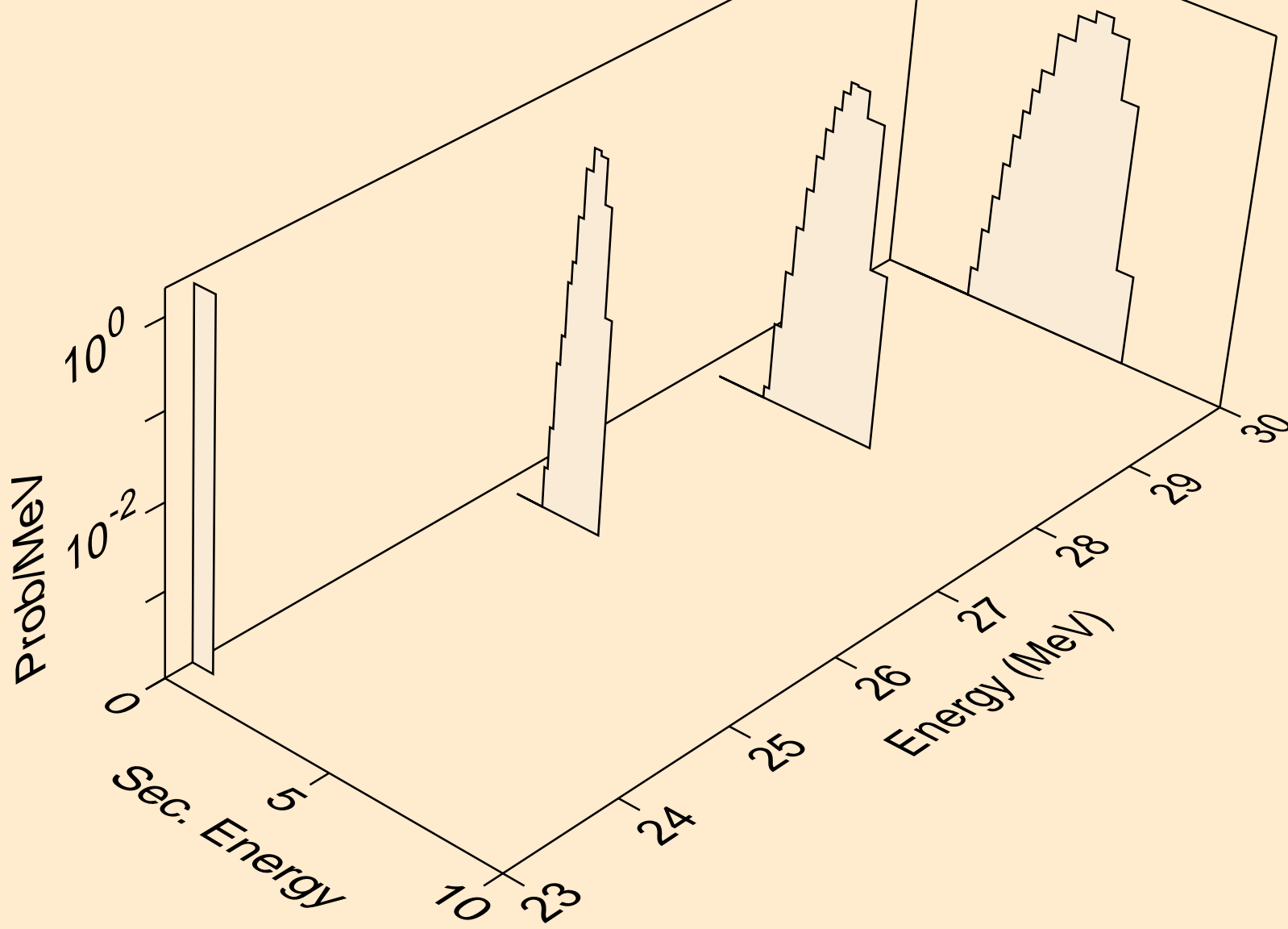
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protons from (n,pt)



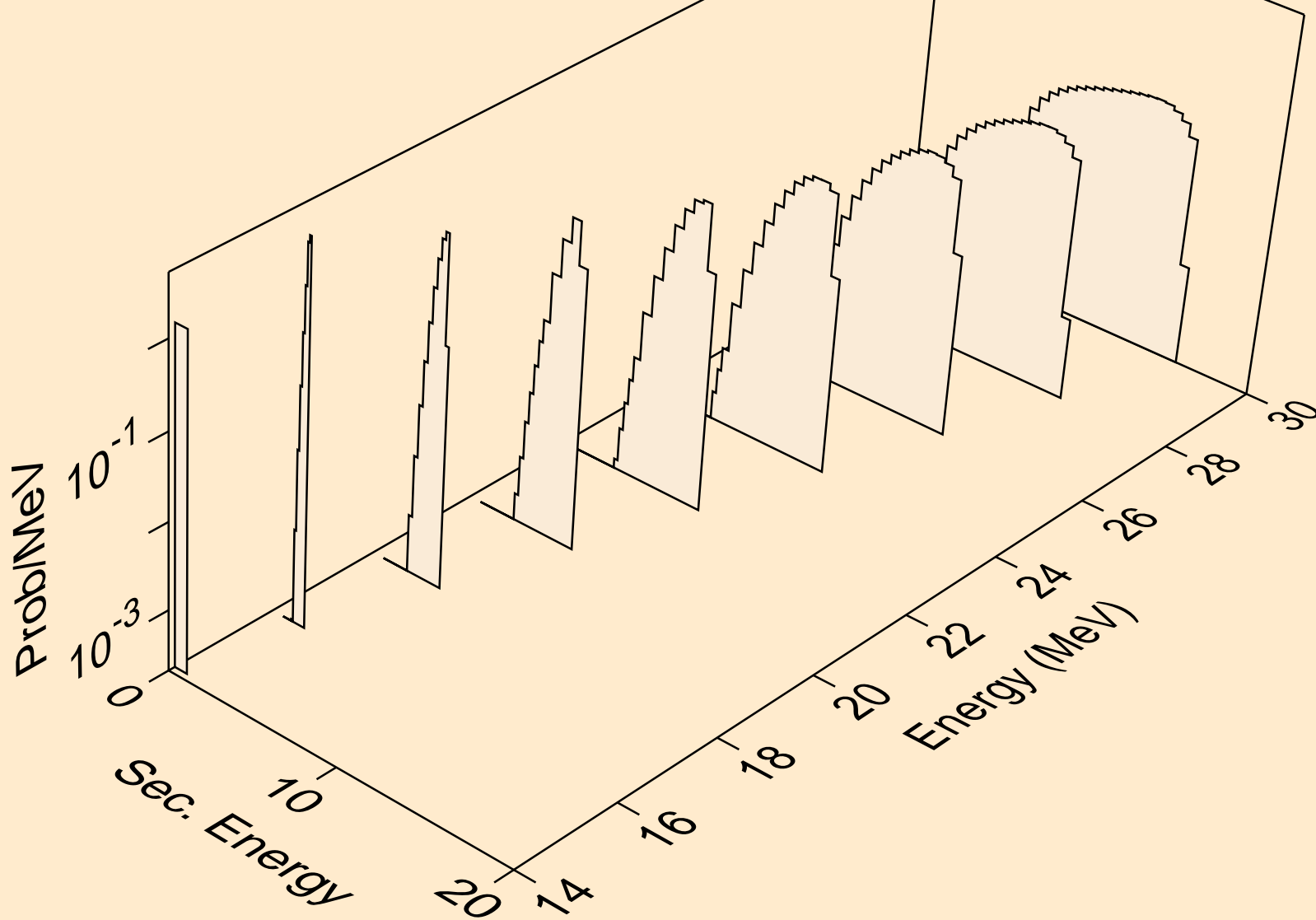
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deuterons from (n,x)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

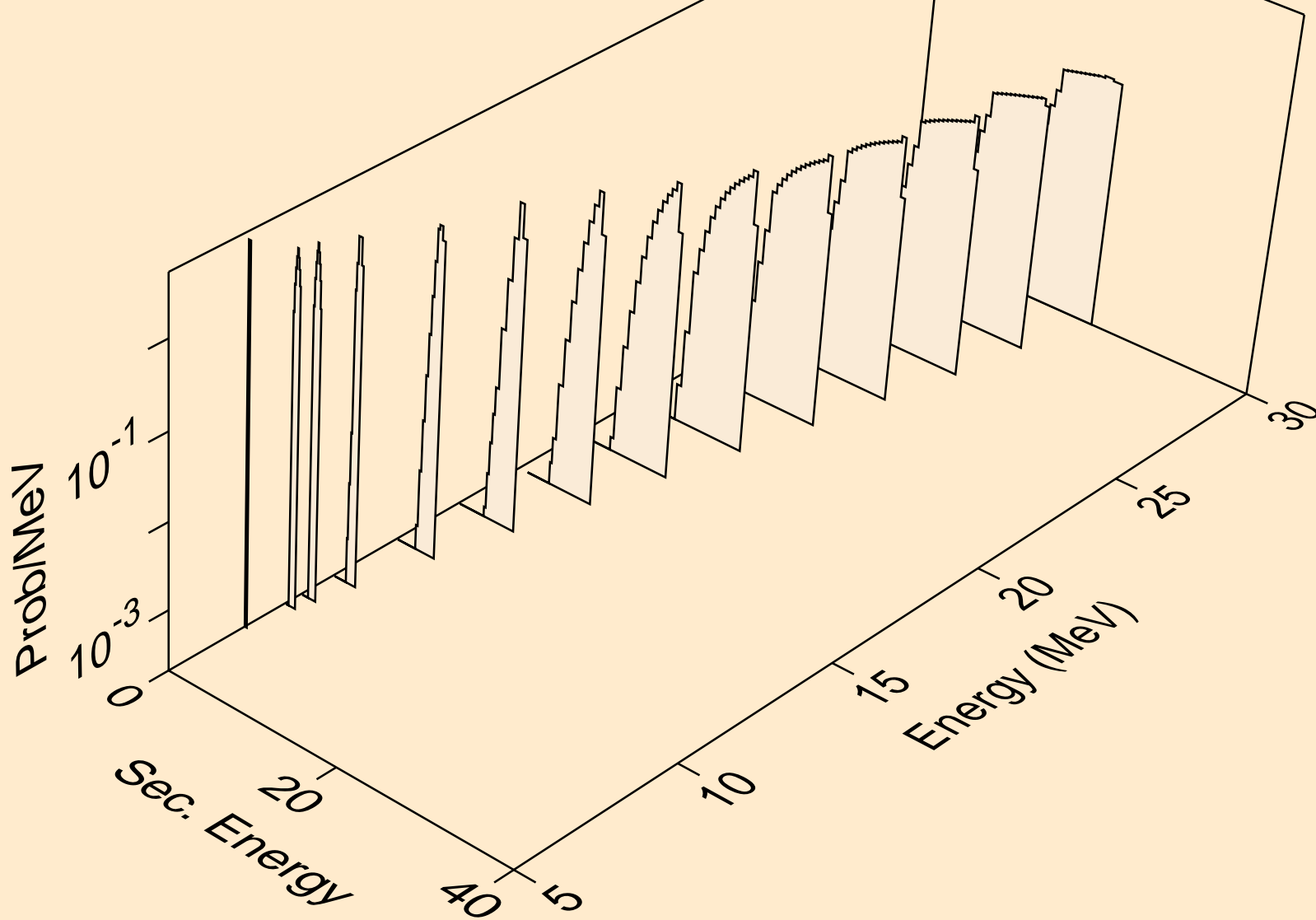


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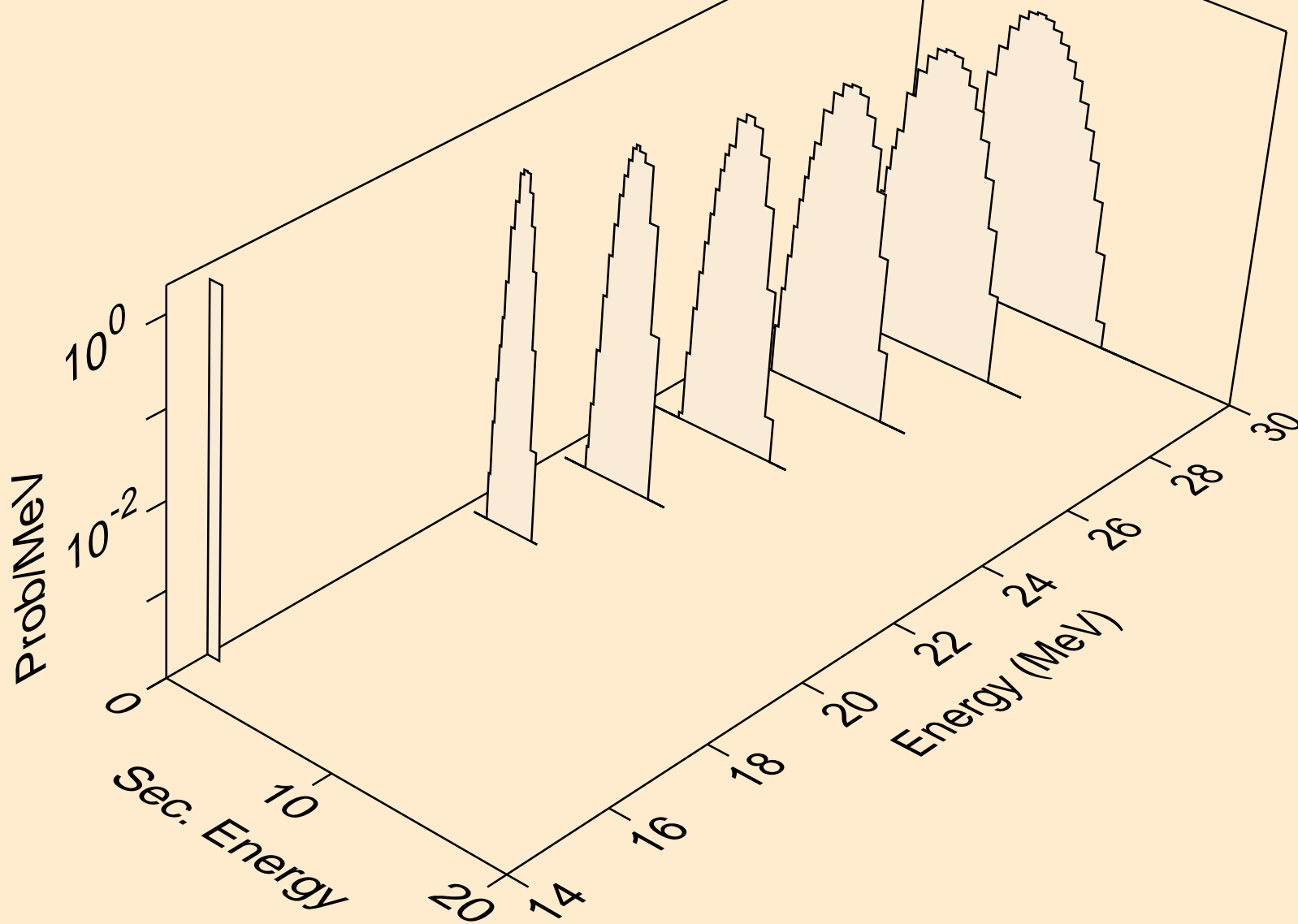




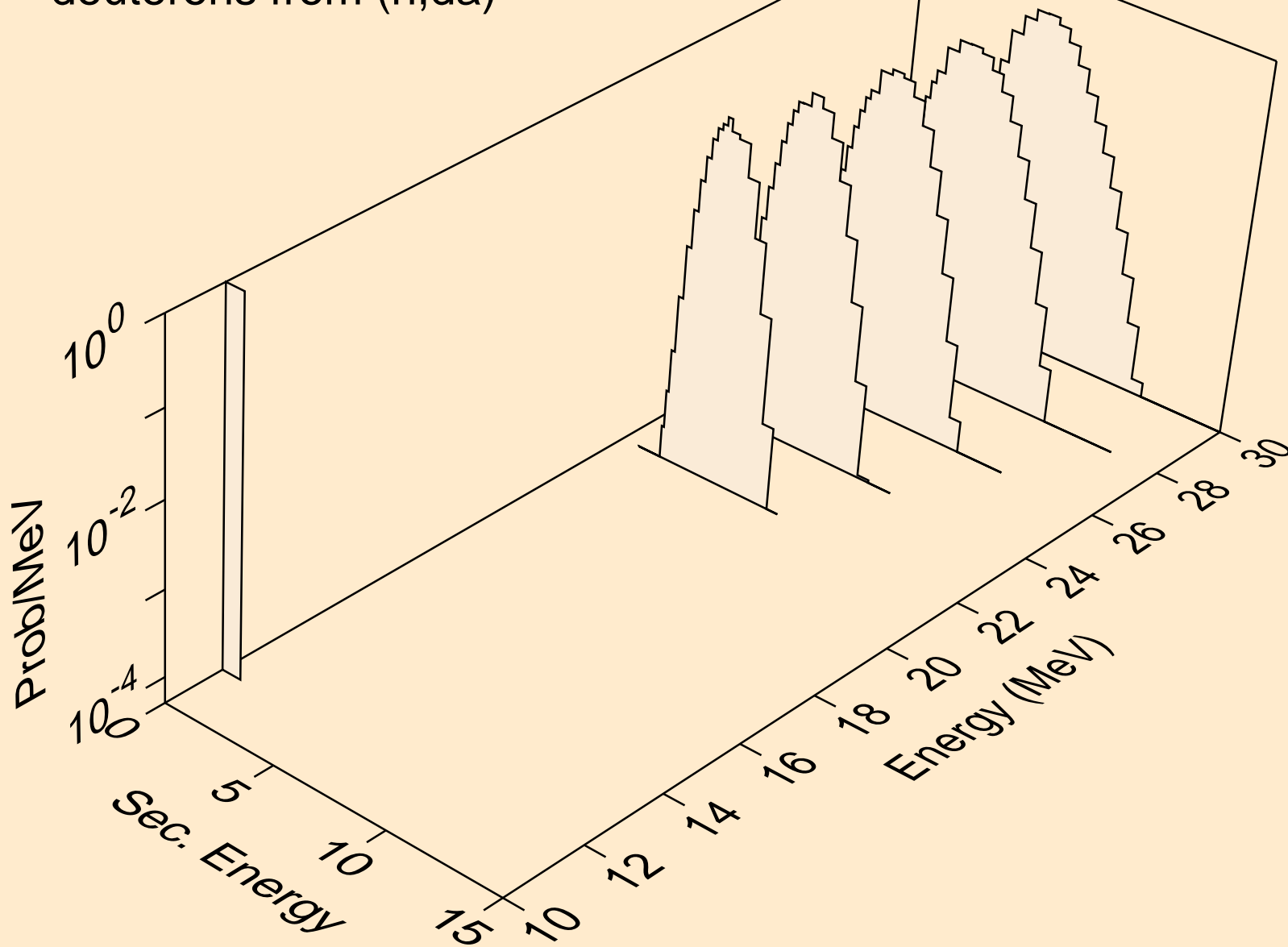
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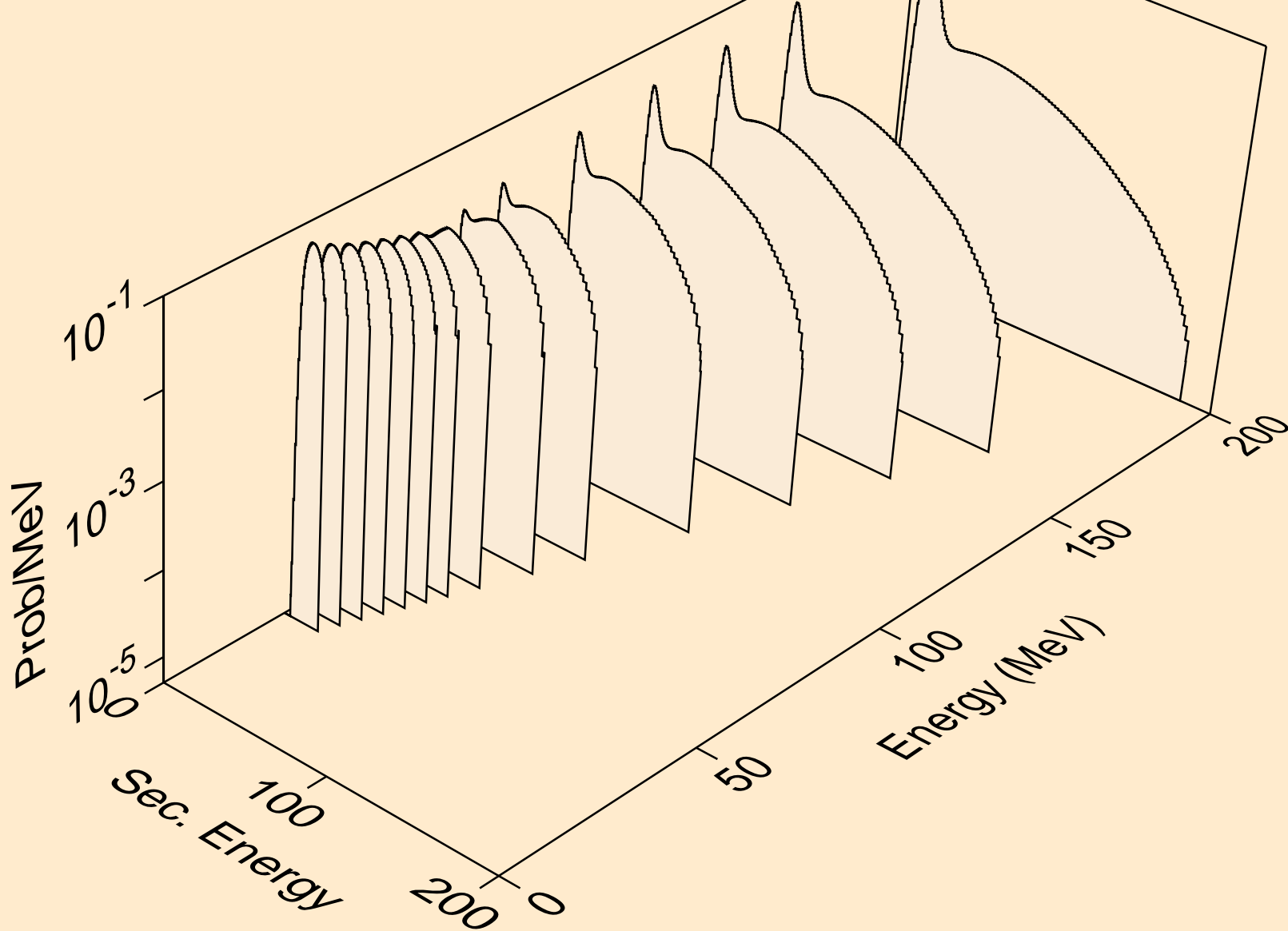
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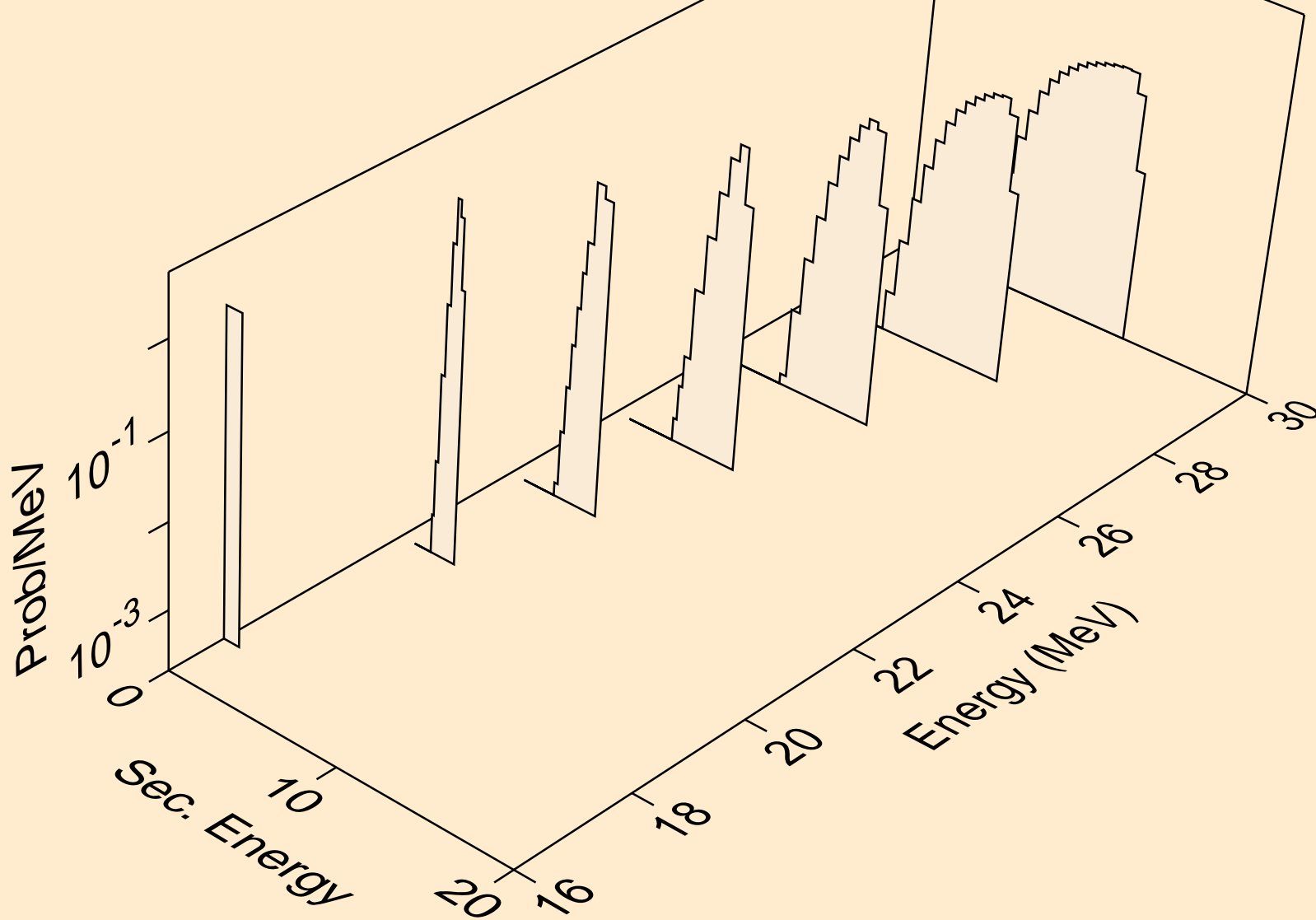
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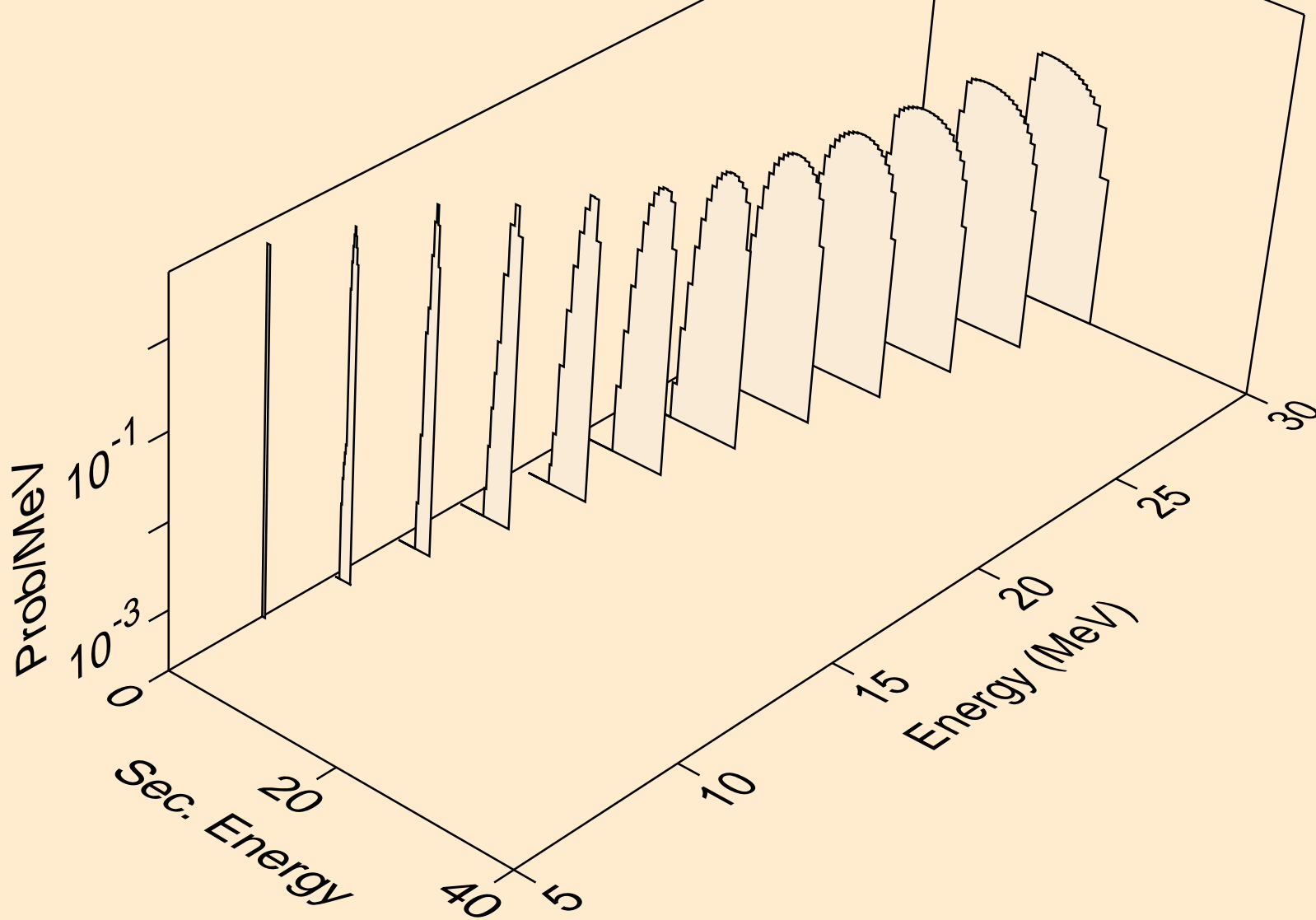
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



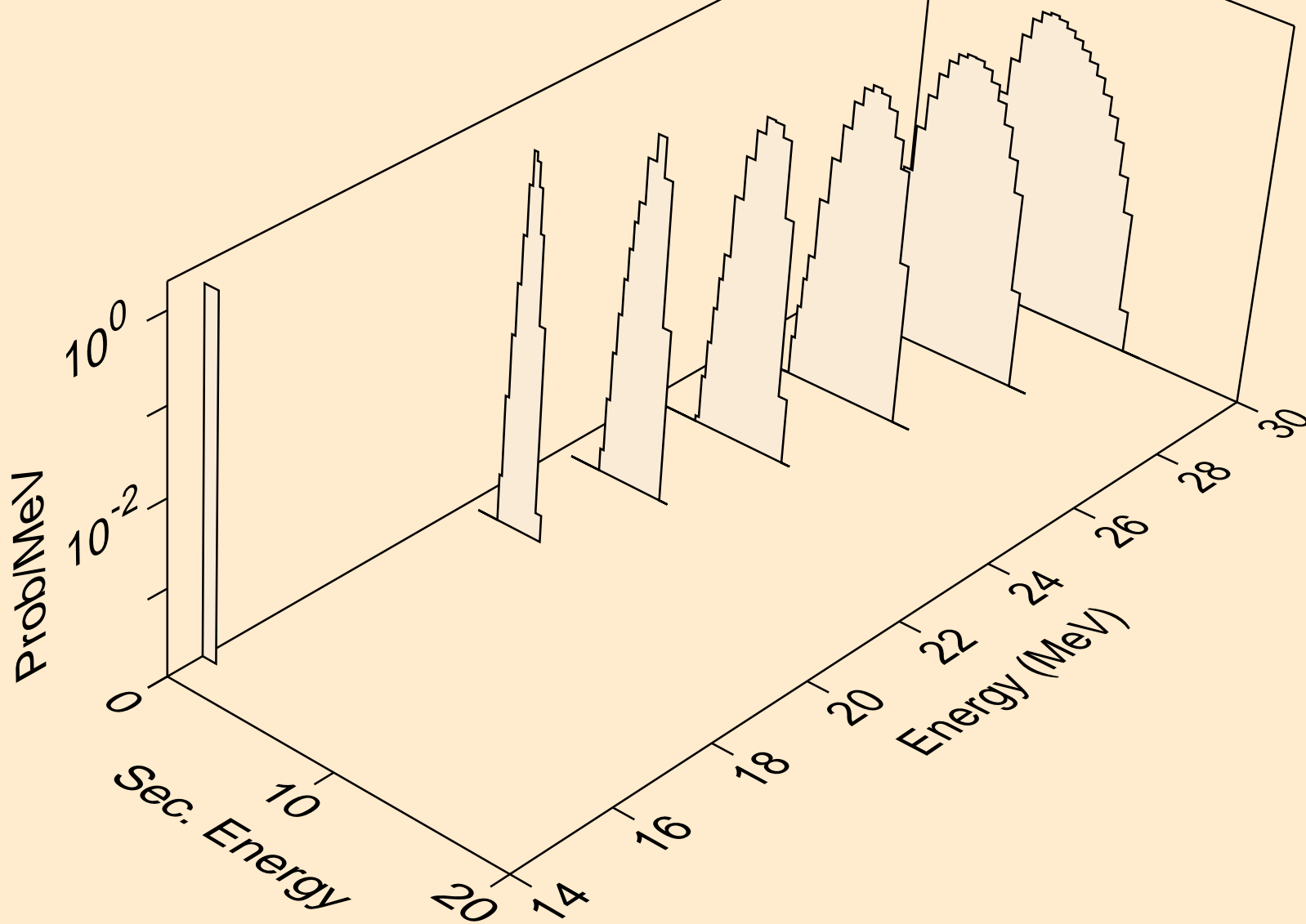
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



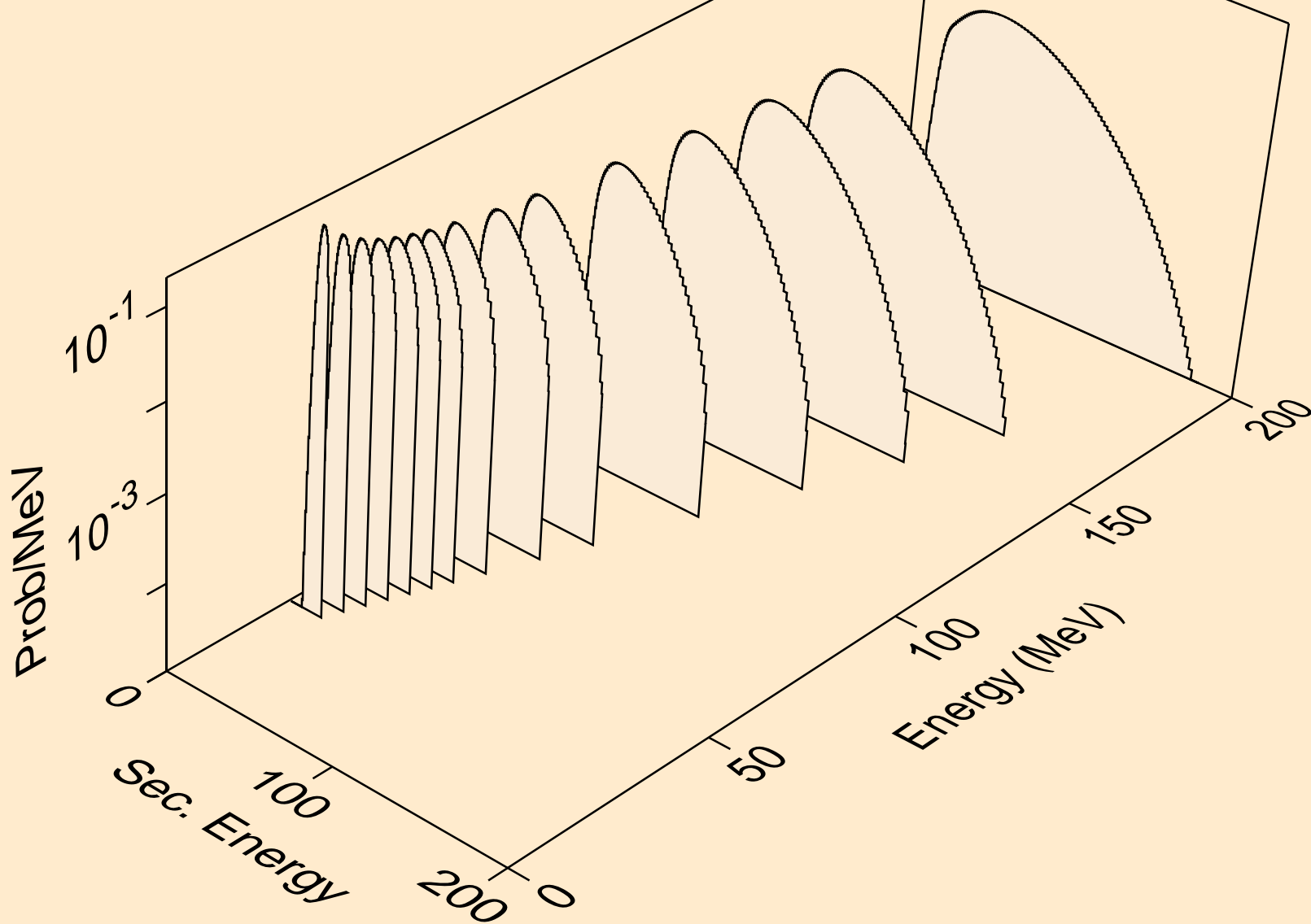
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,t)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)

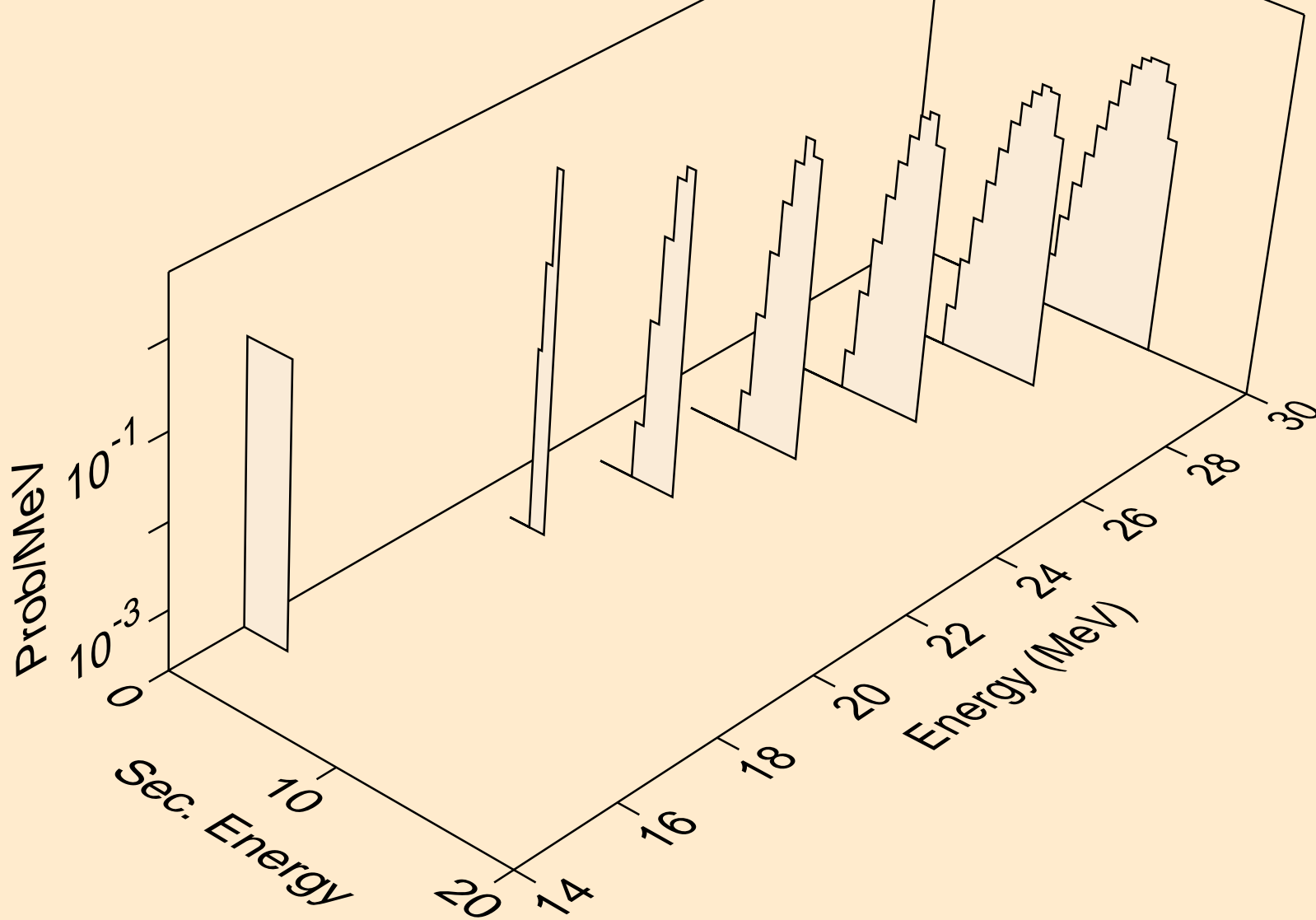


SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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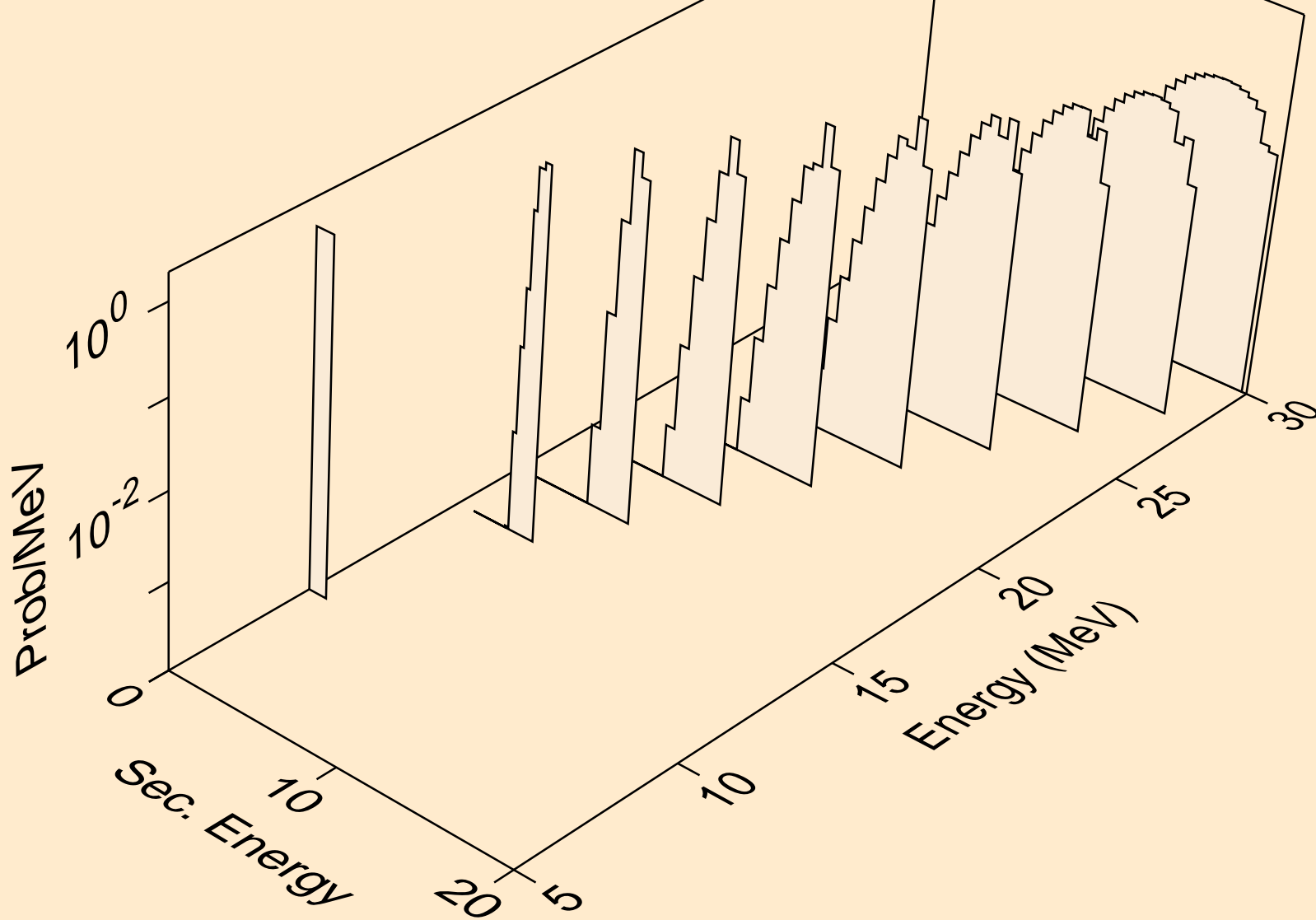




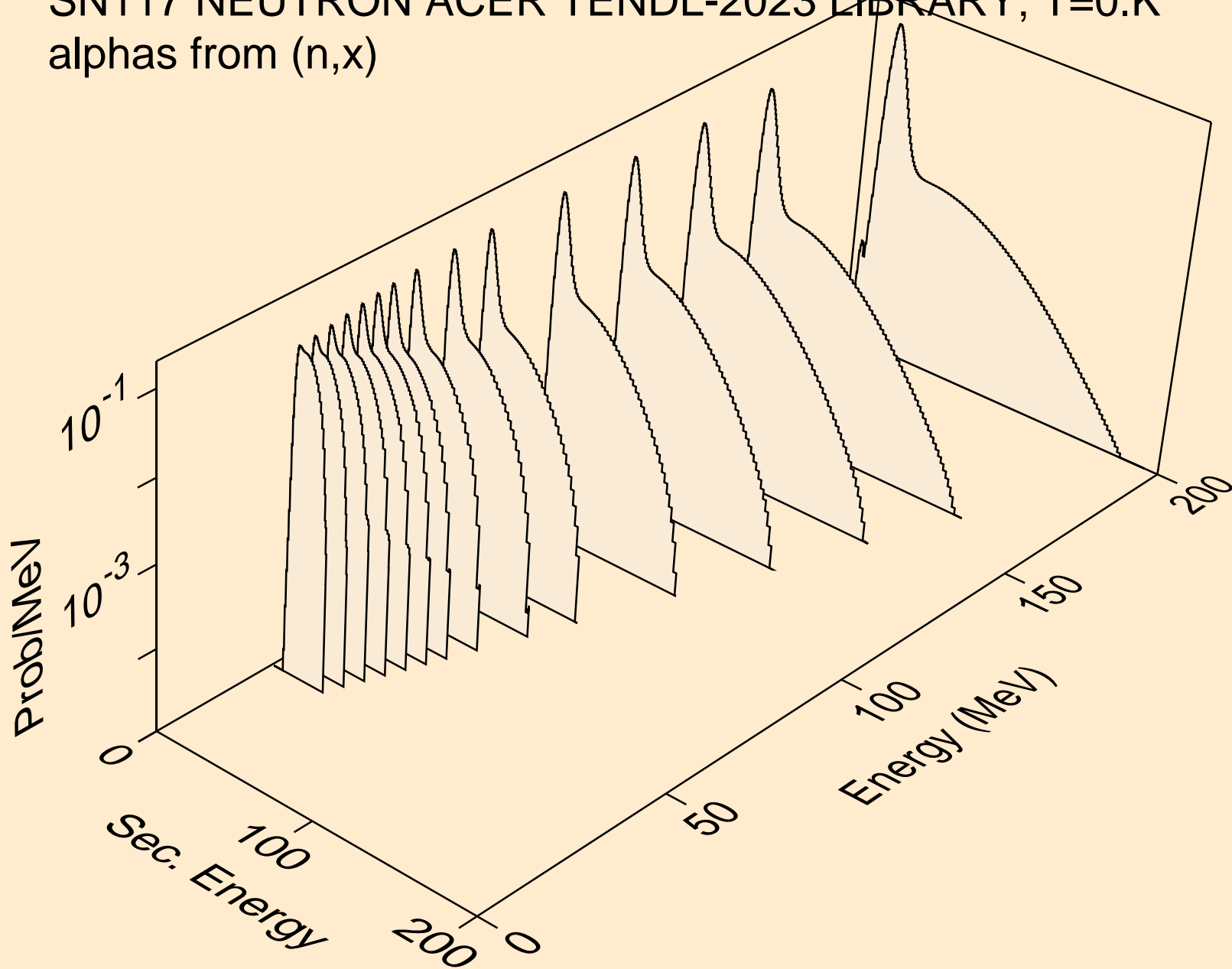
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he3s from (n,n\*)he3



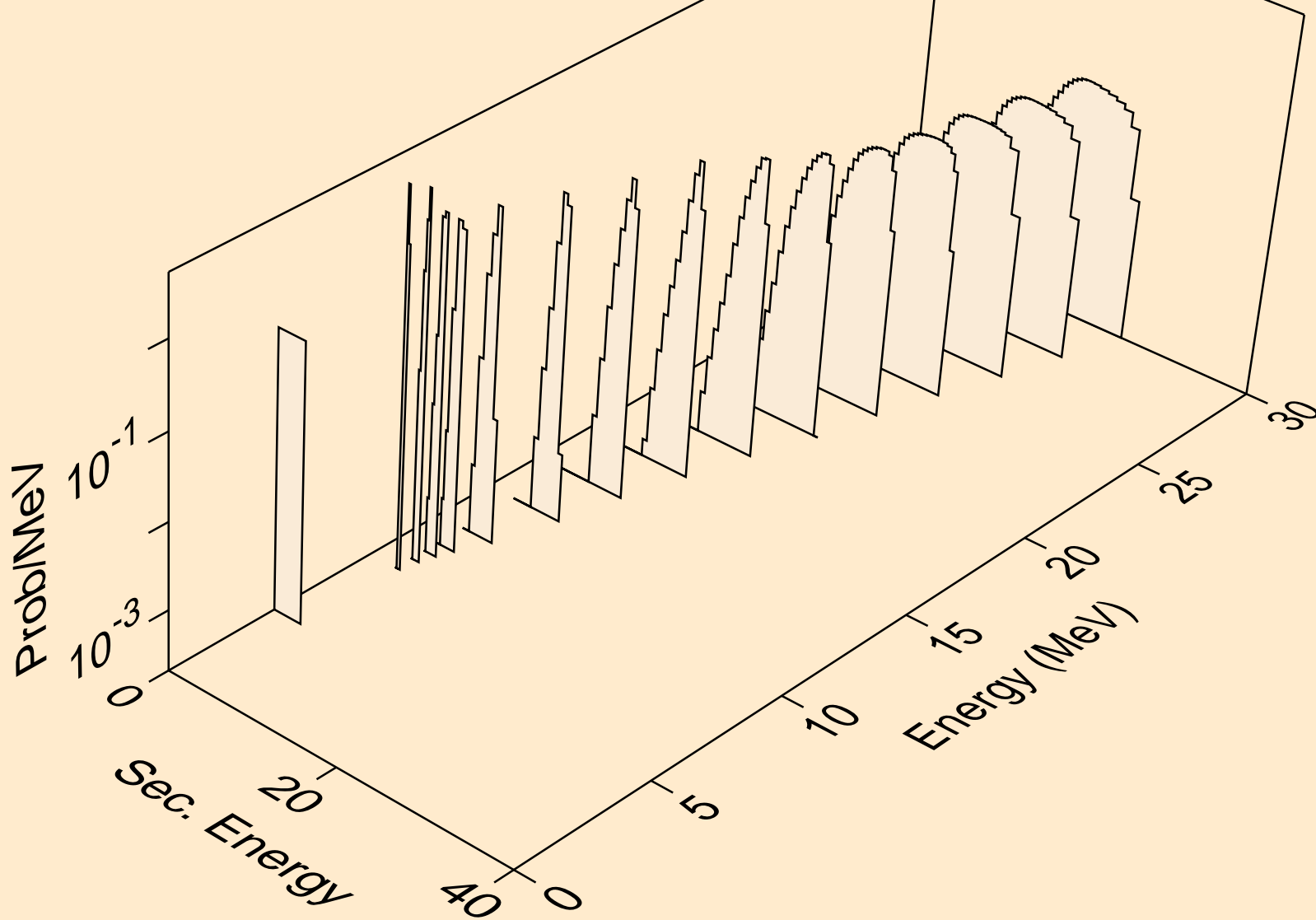
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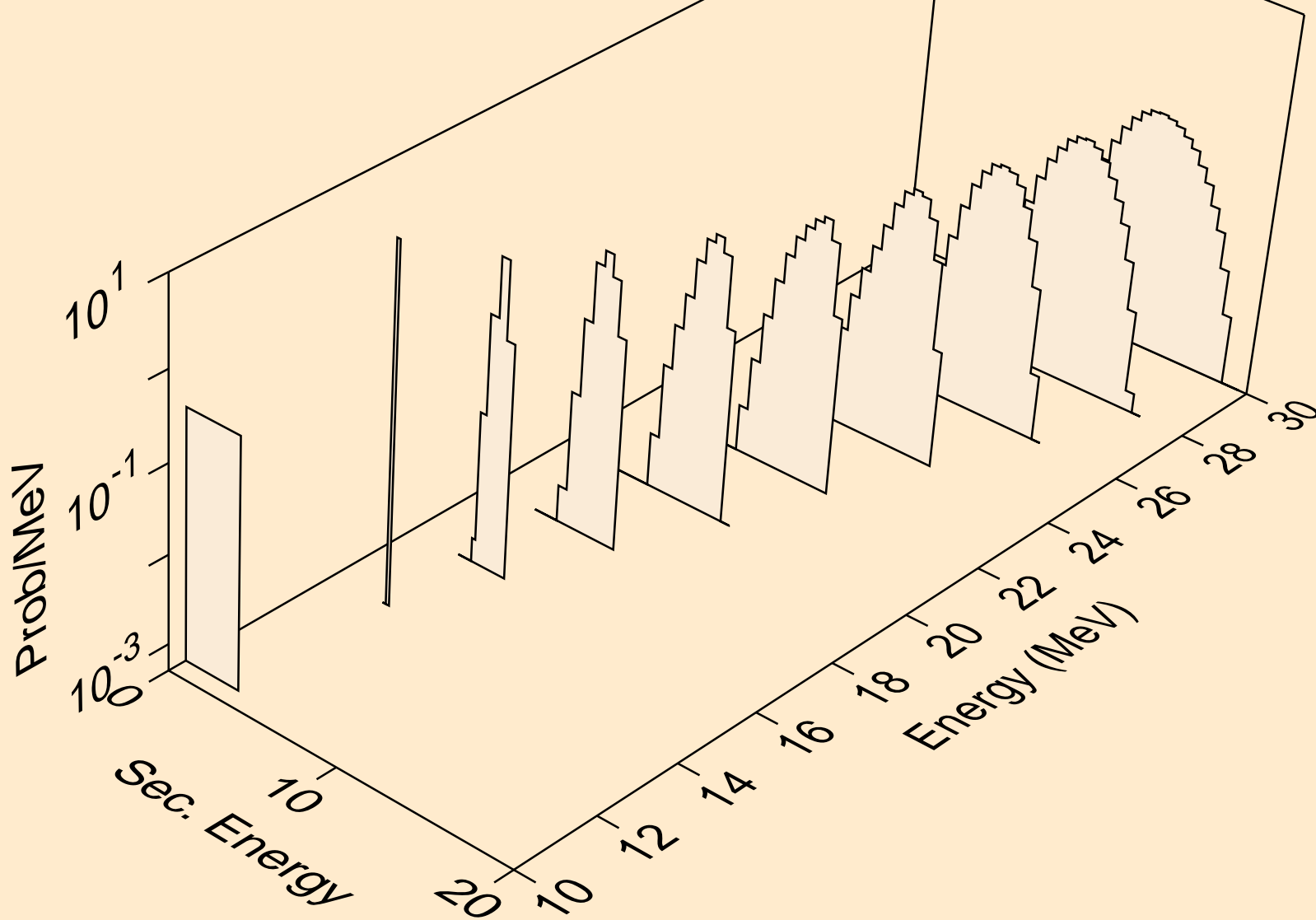
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



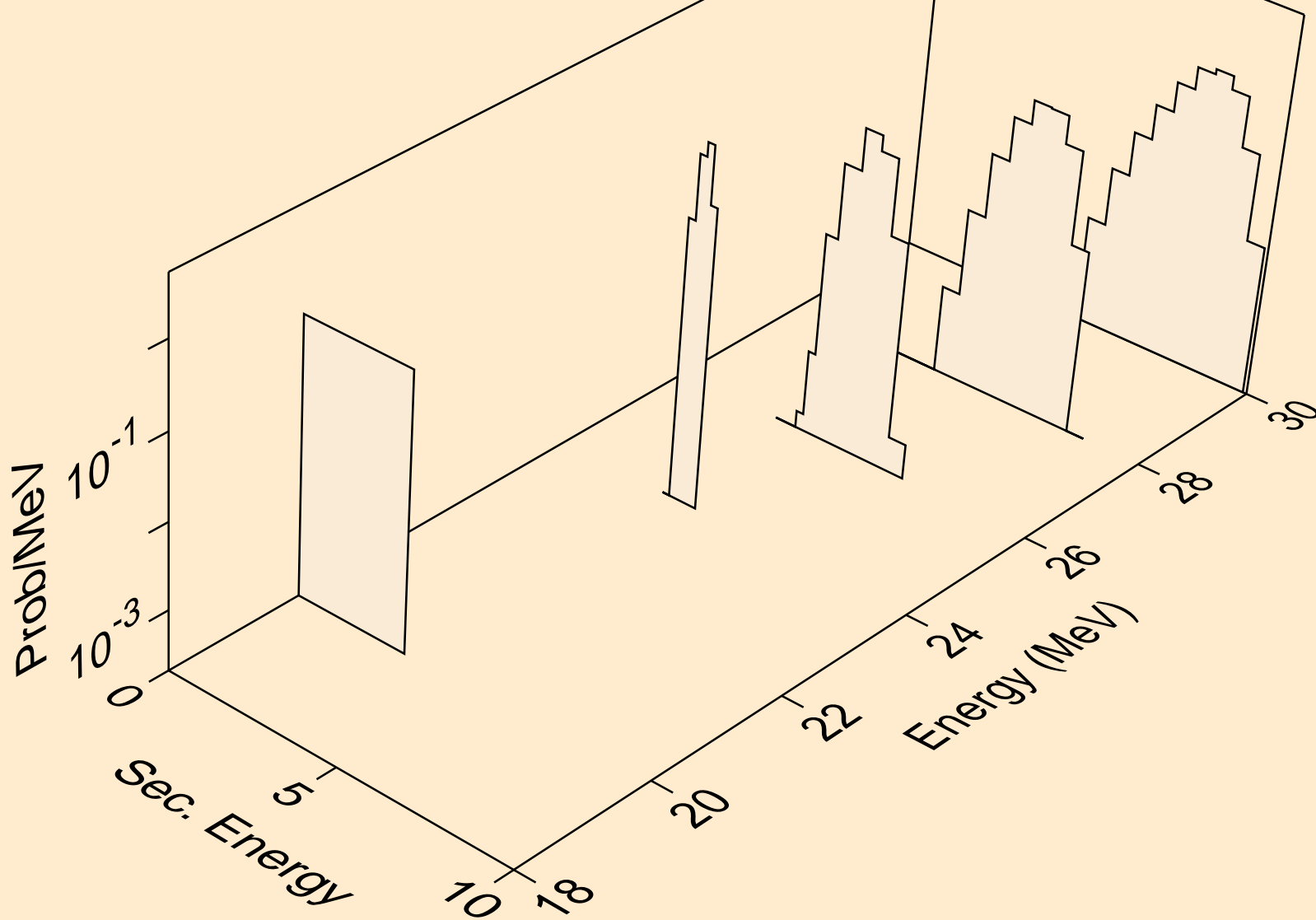
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



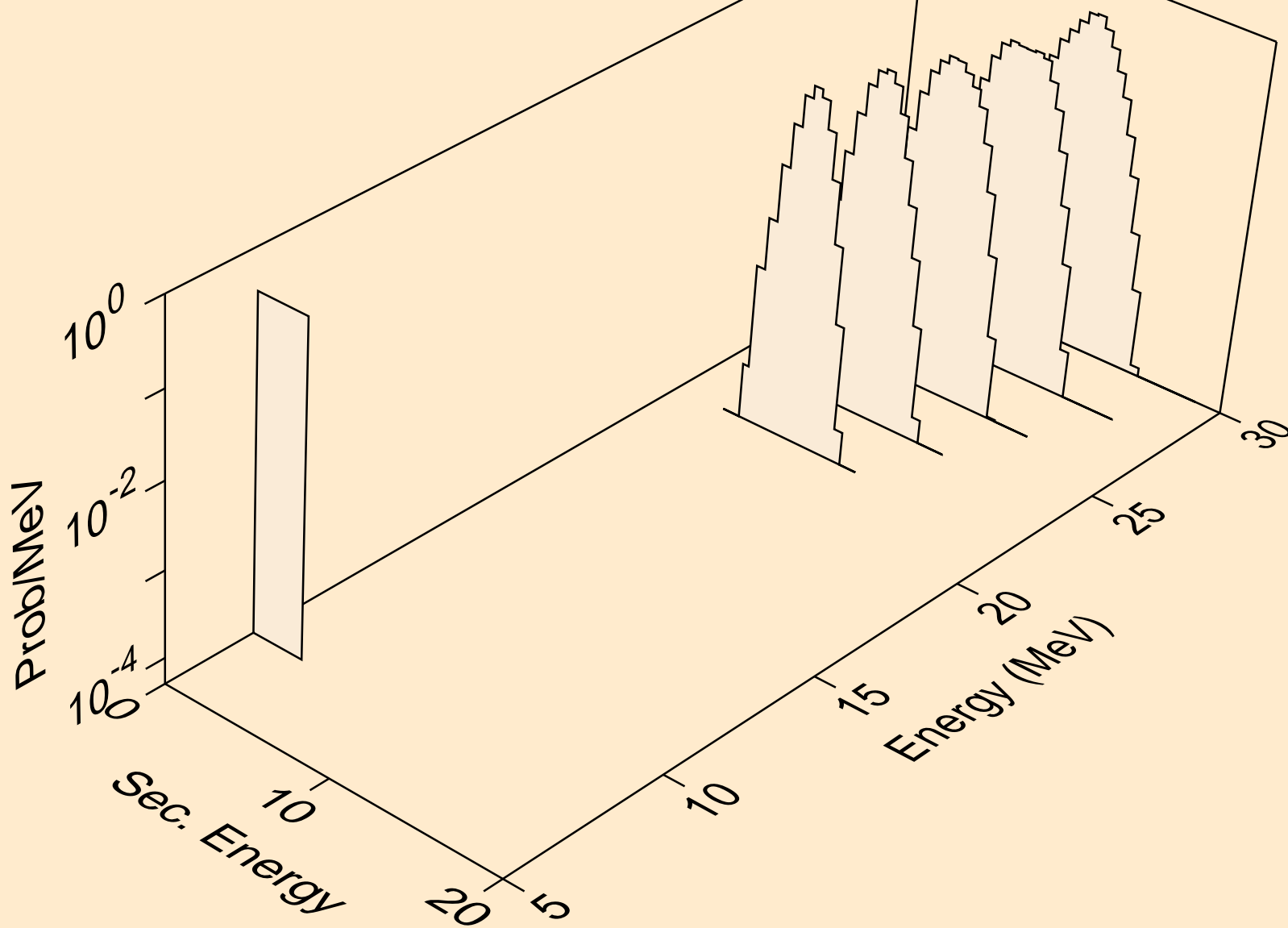
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alphas from (n,2n)a



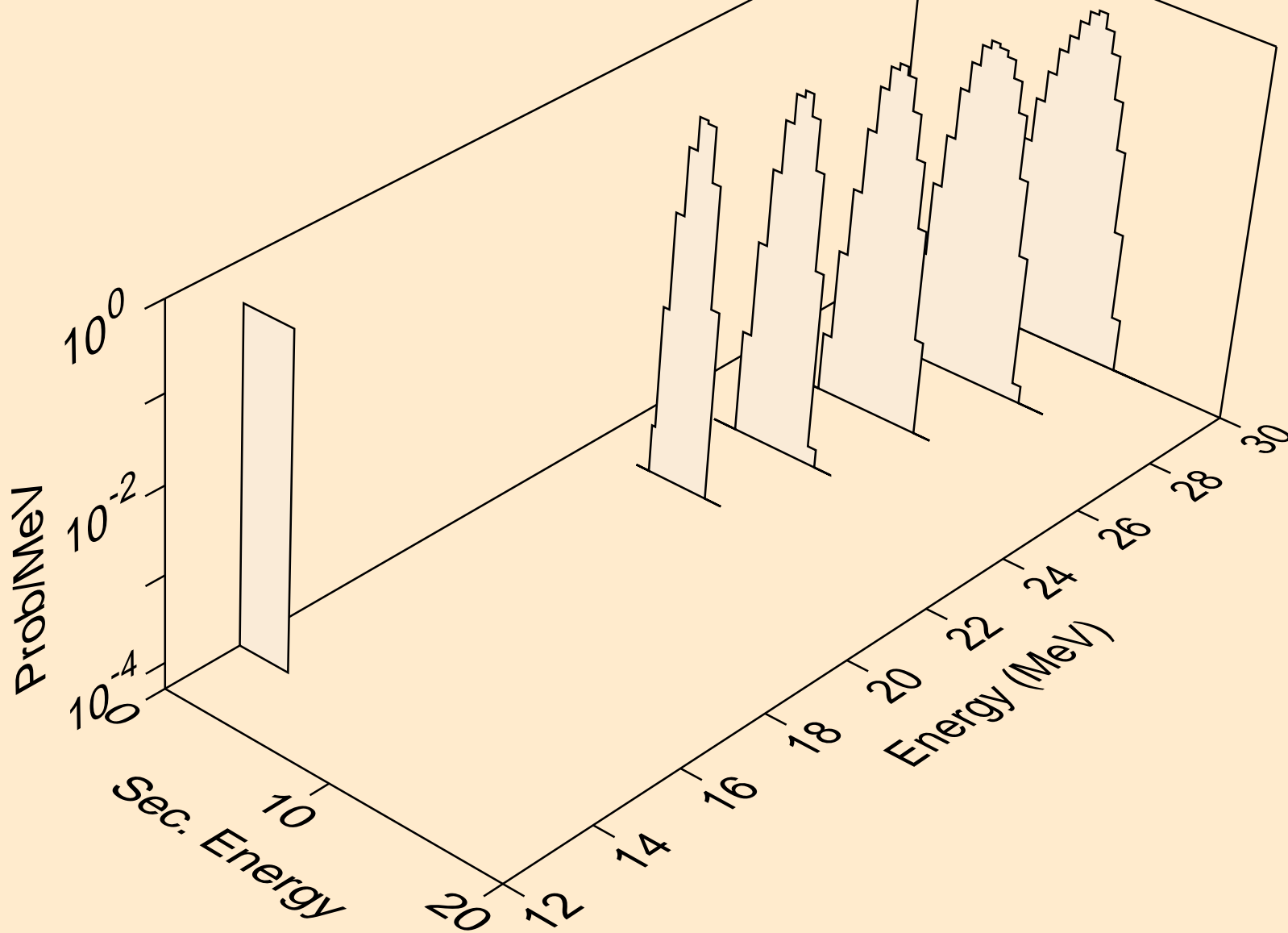
SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a

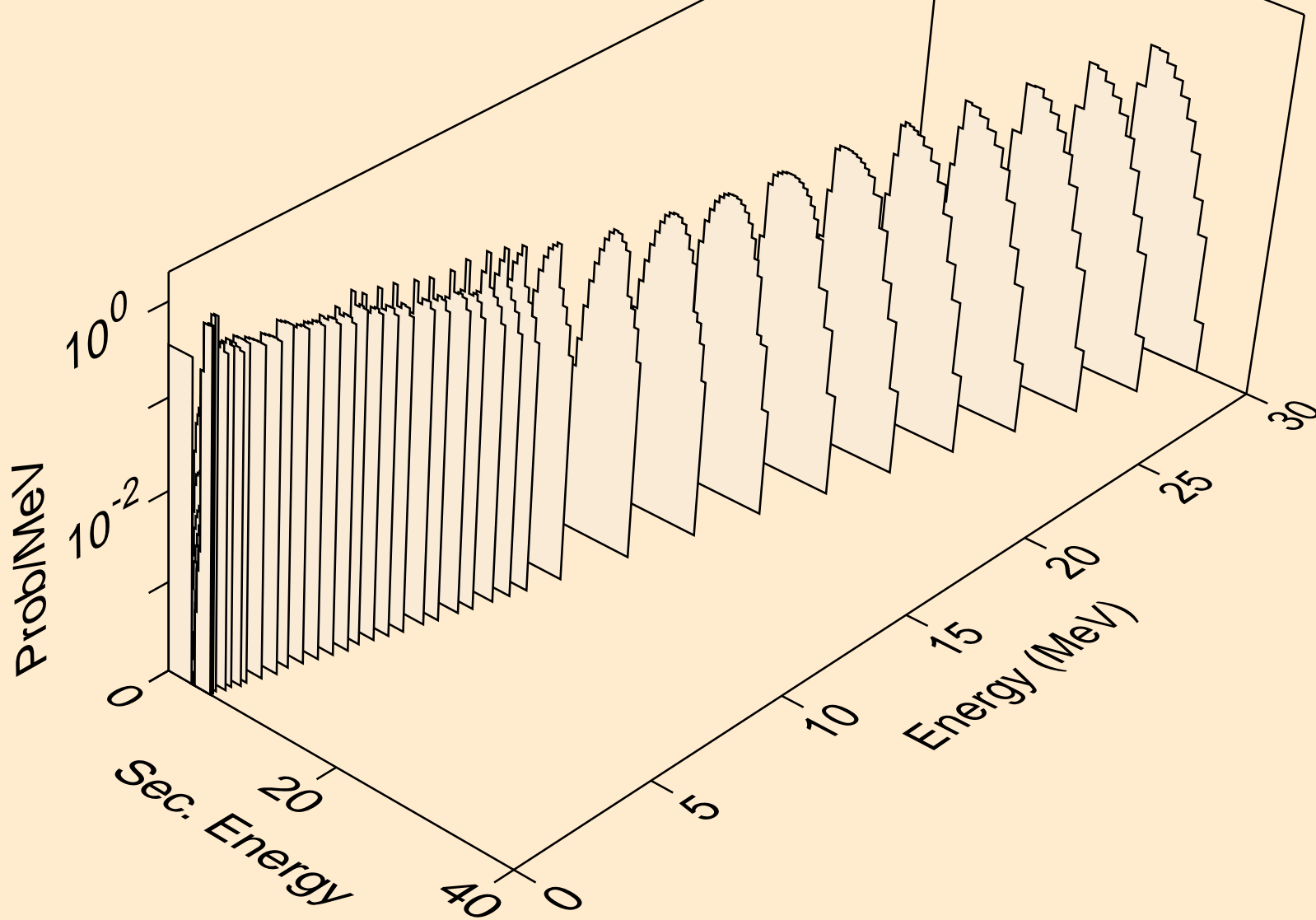


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alphas from (n,npa)

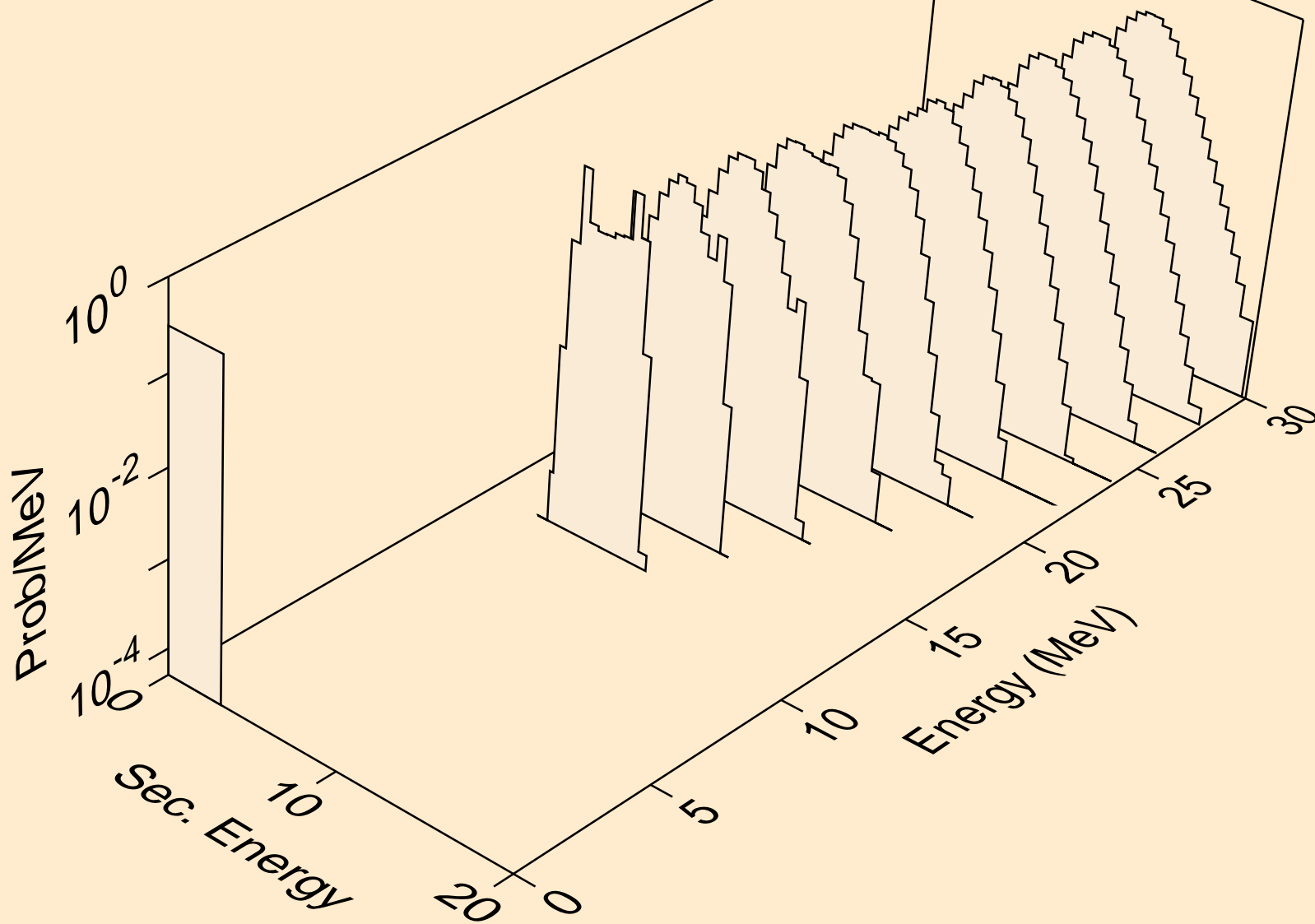




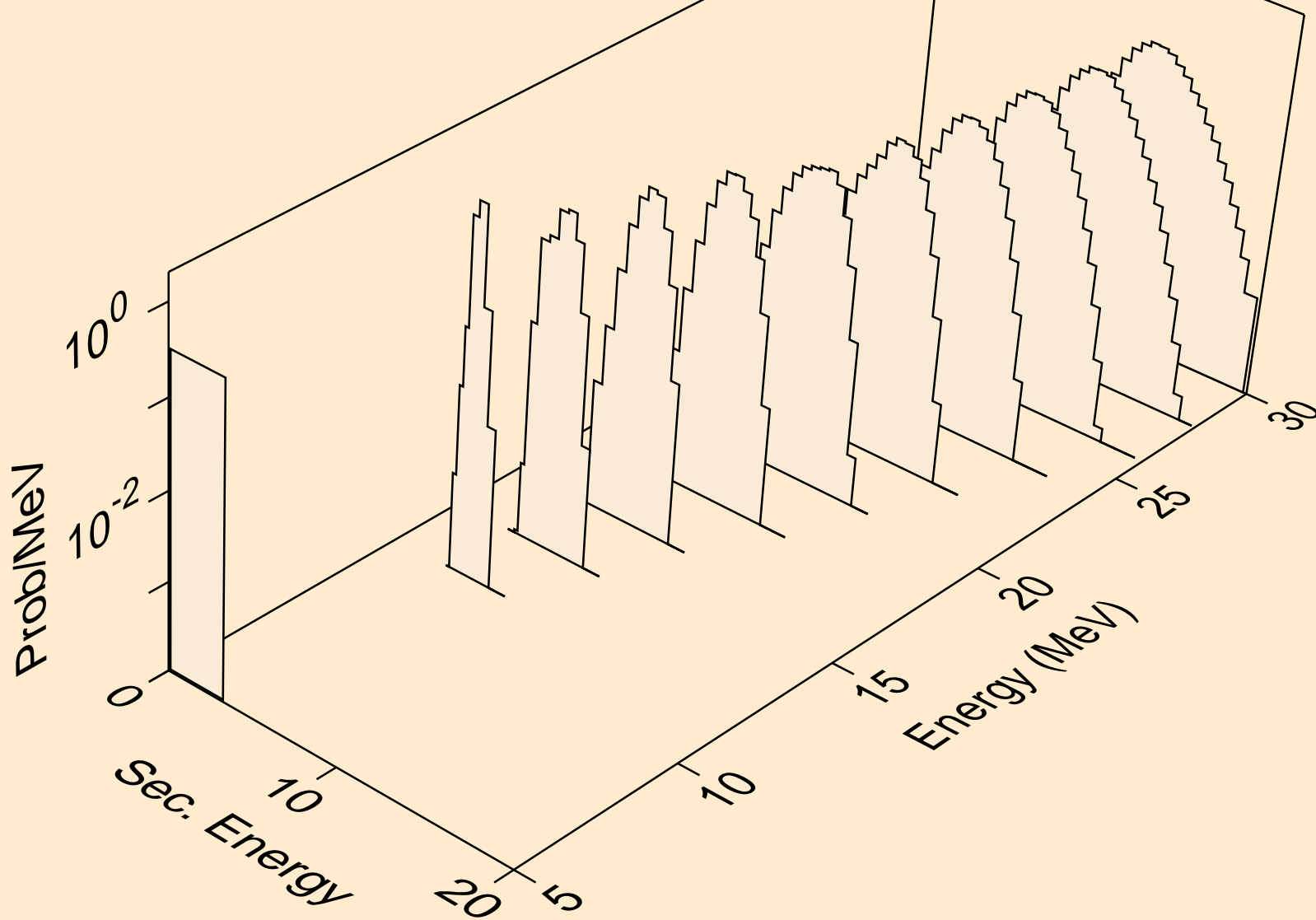
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alphas from (n,a)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



SN117 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

