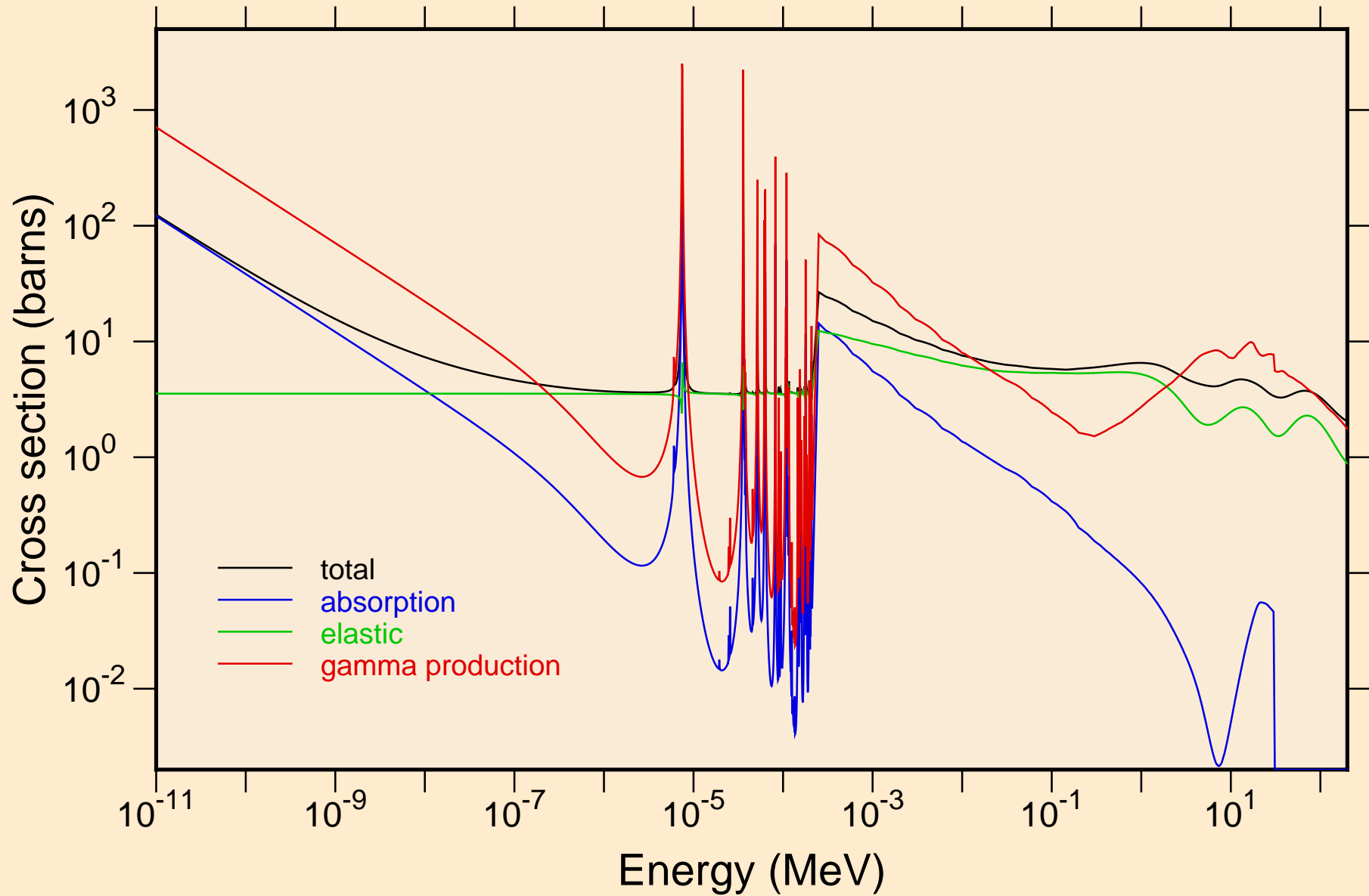
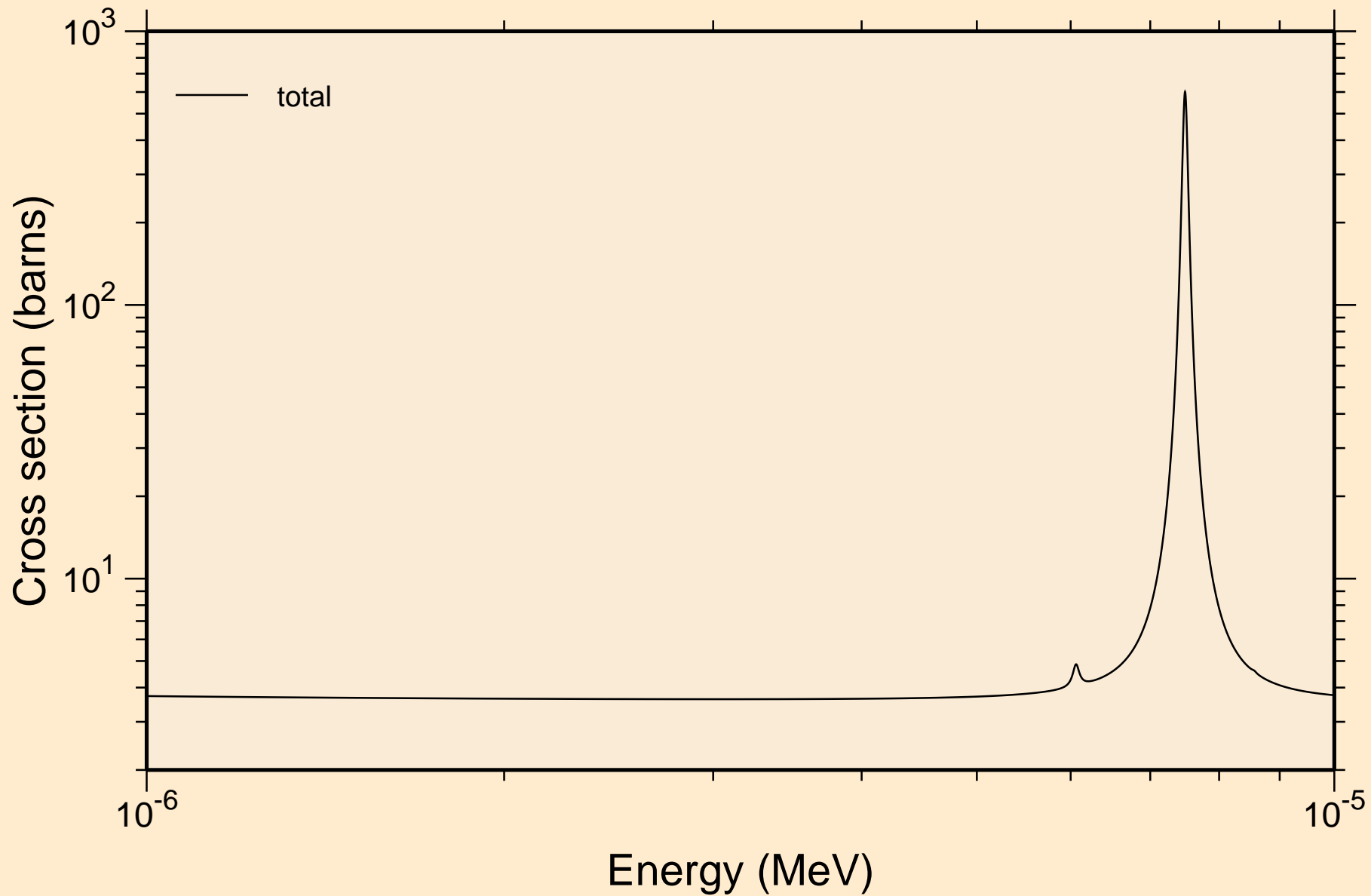


# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

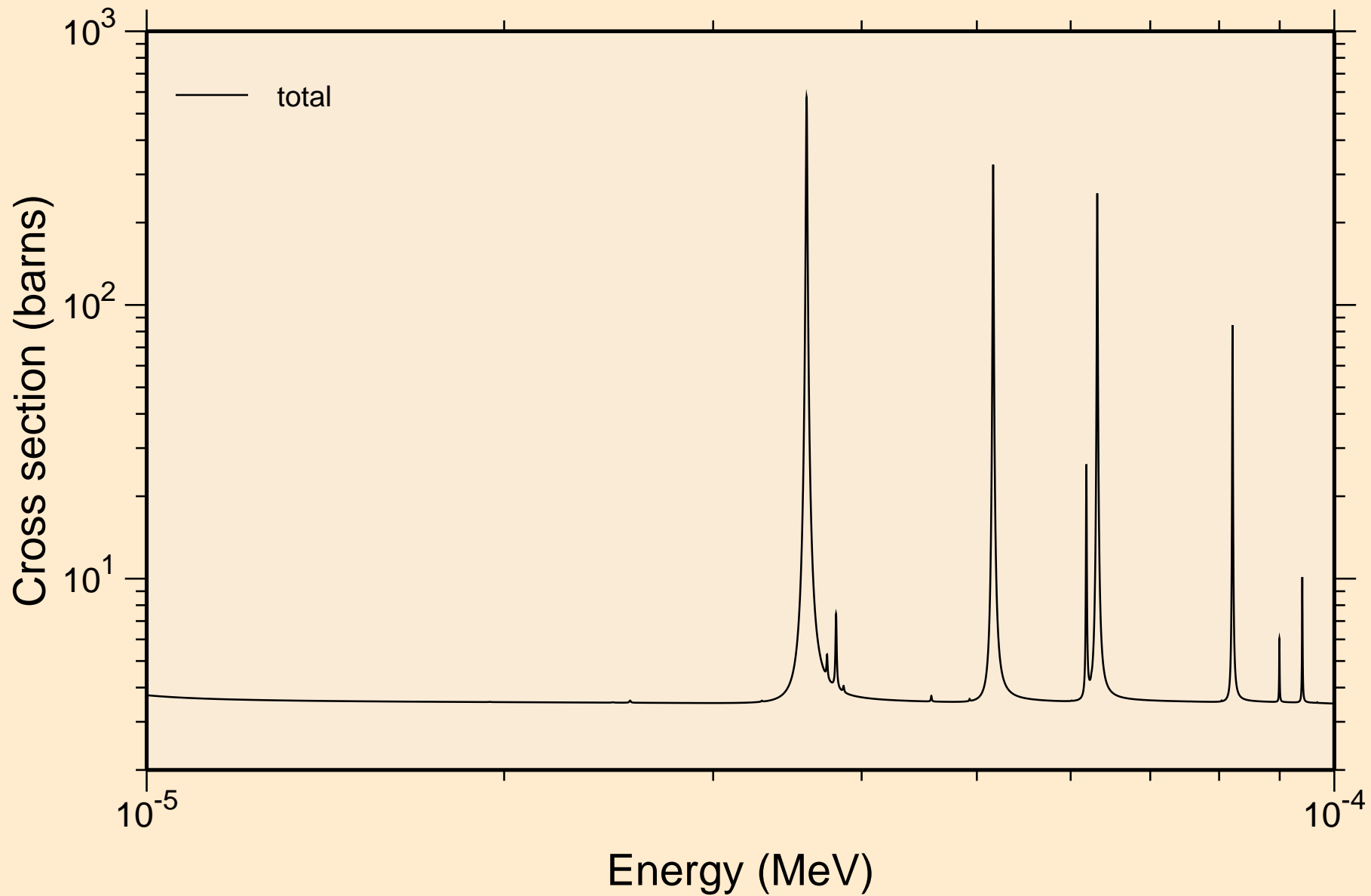
## Principal cross sections



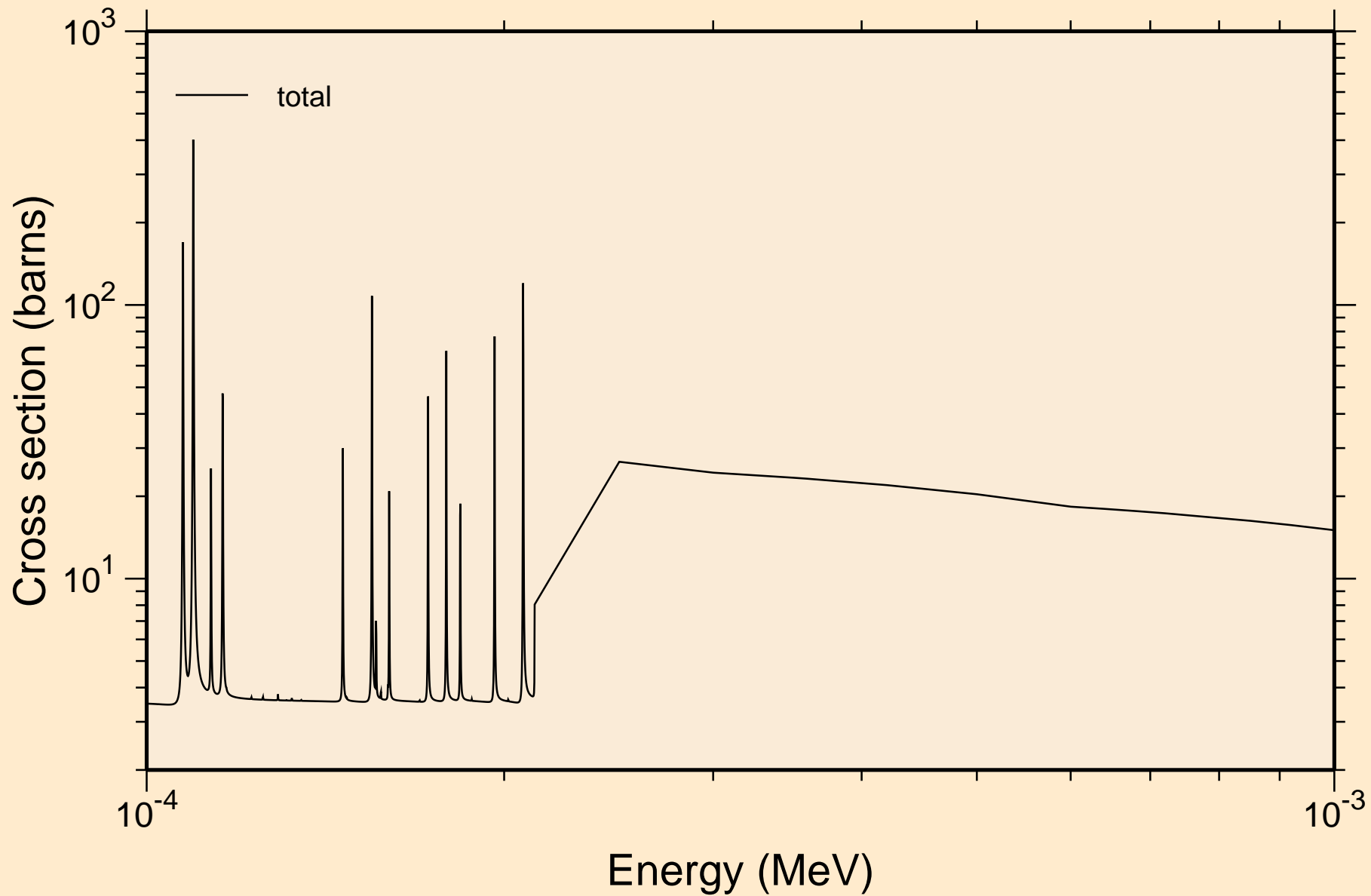
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



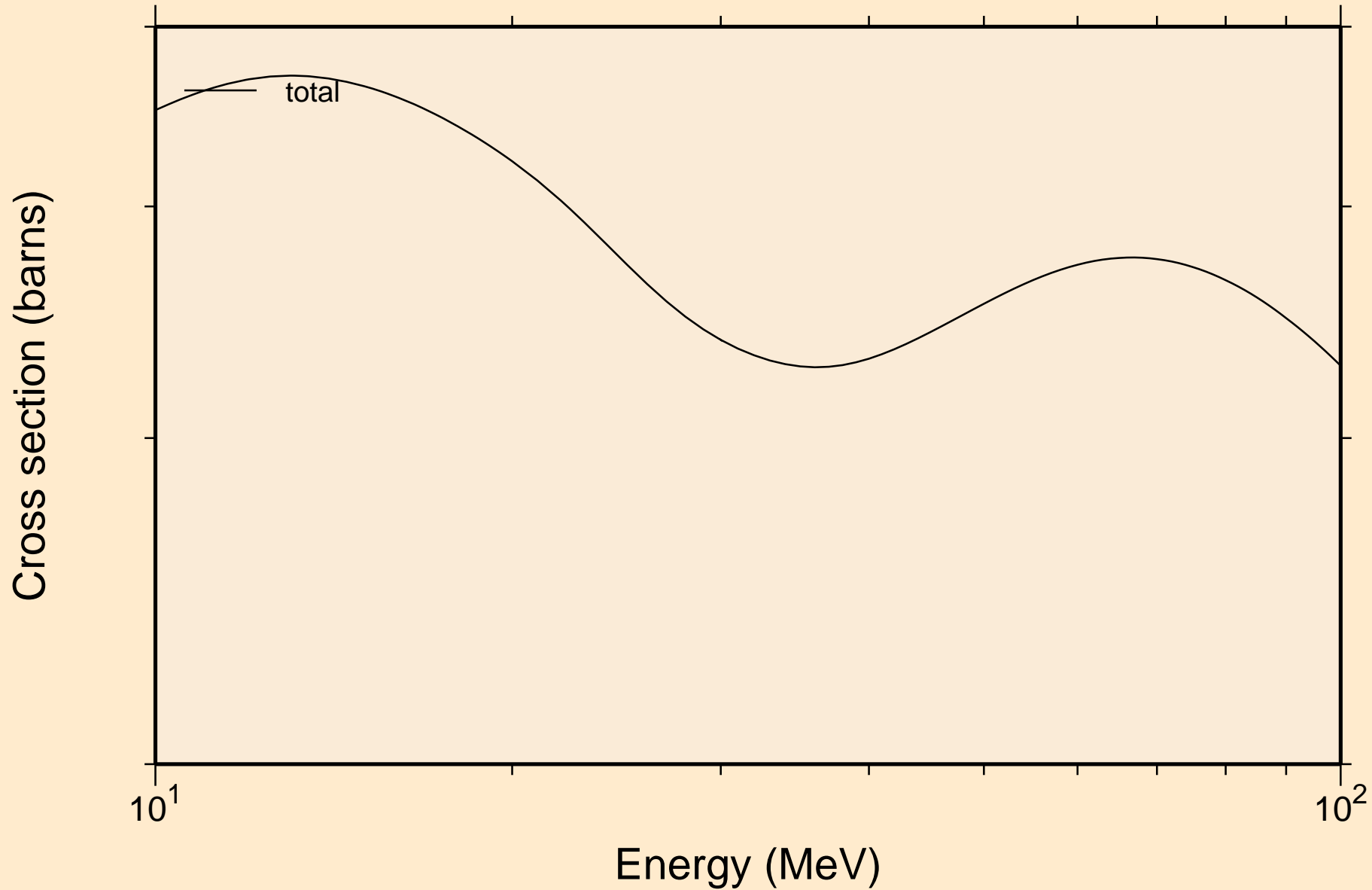
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



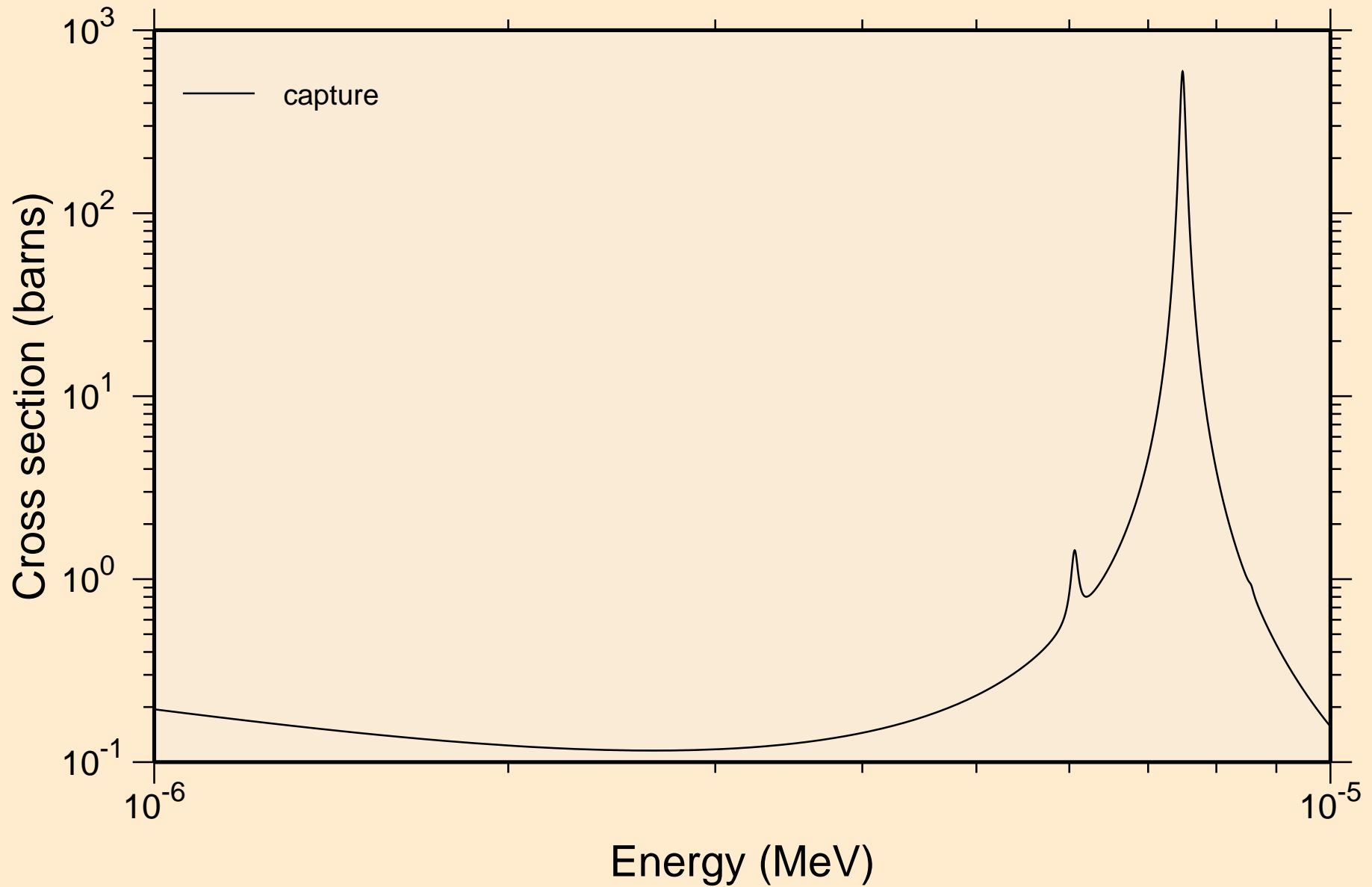
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



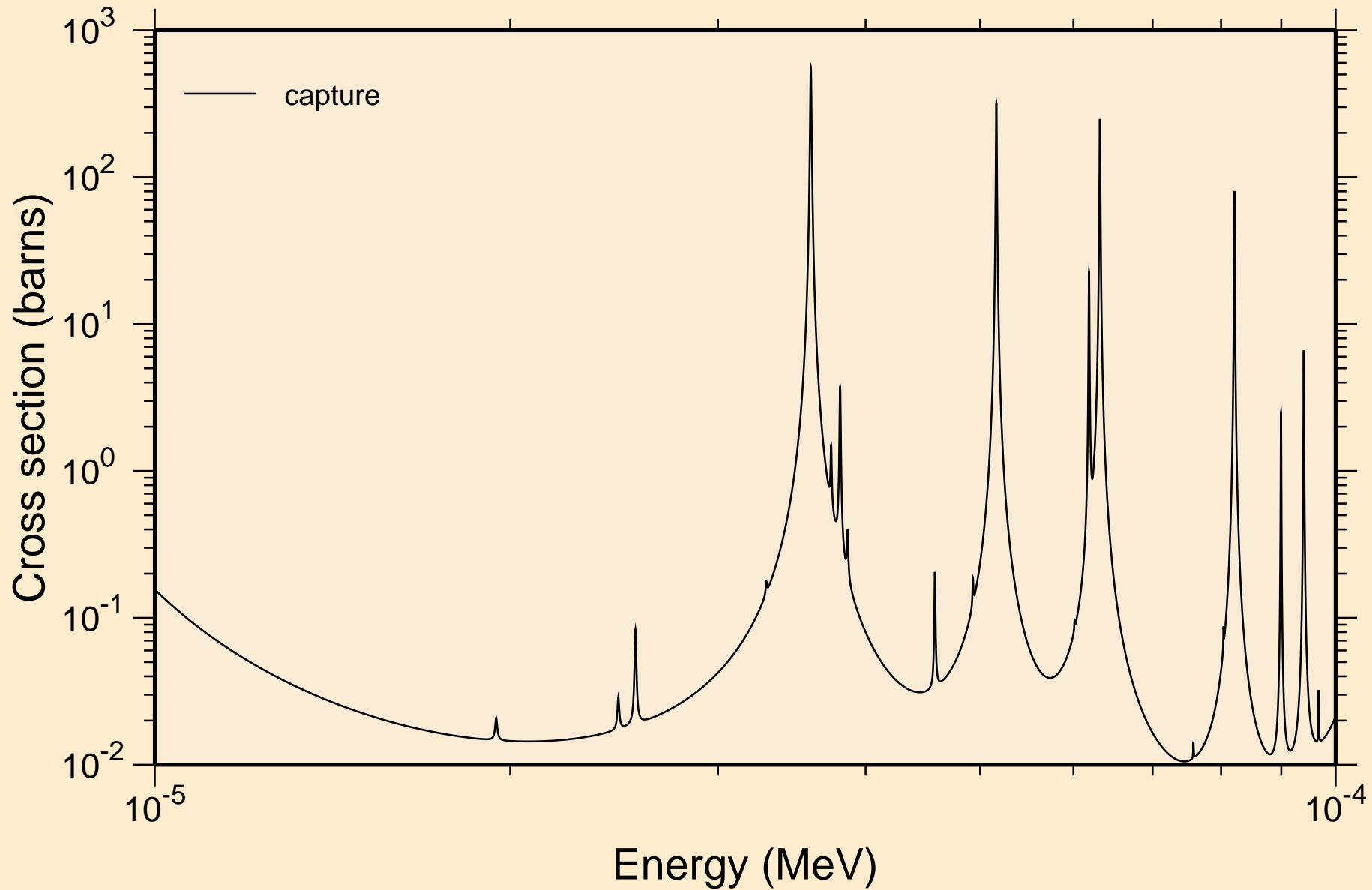
S<sup>124</sup>N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



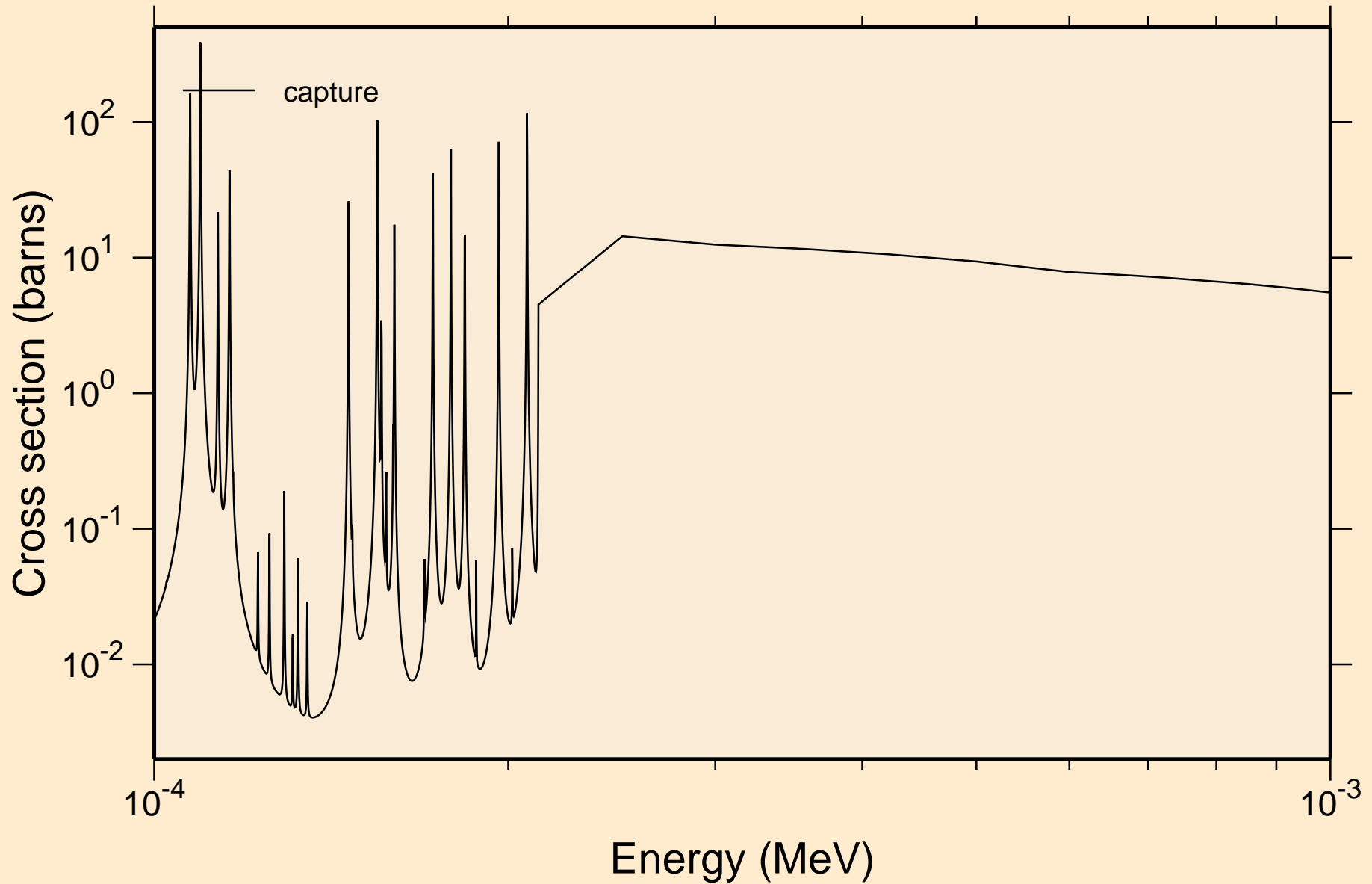
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

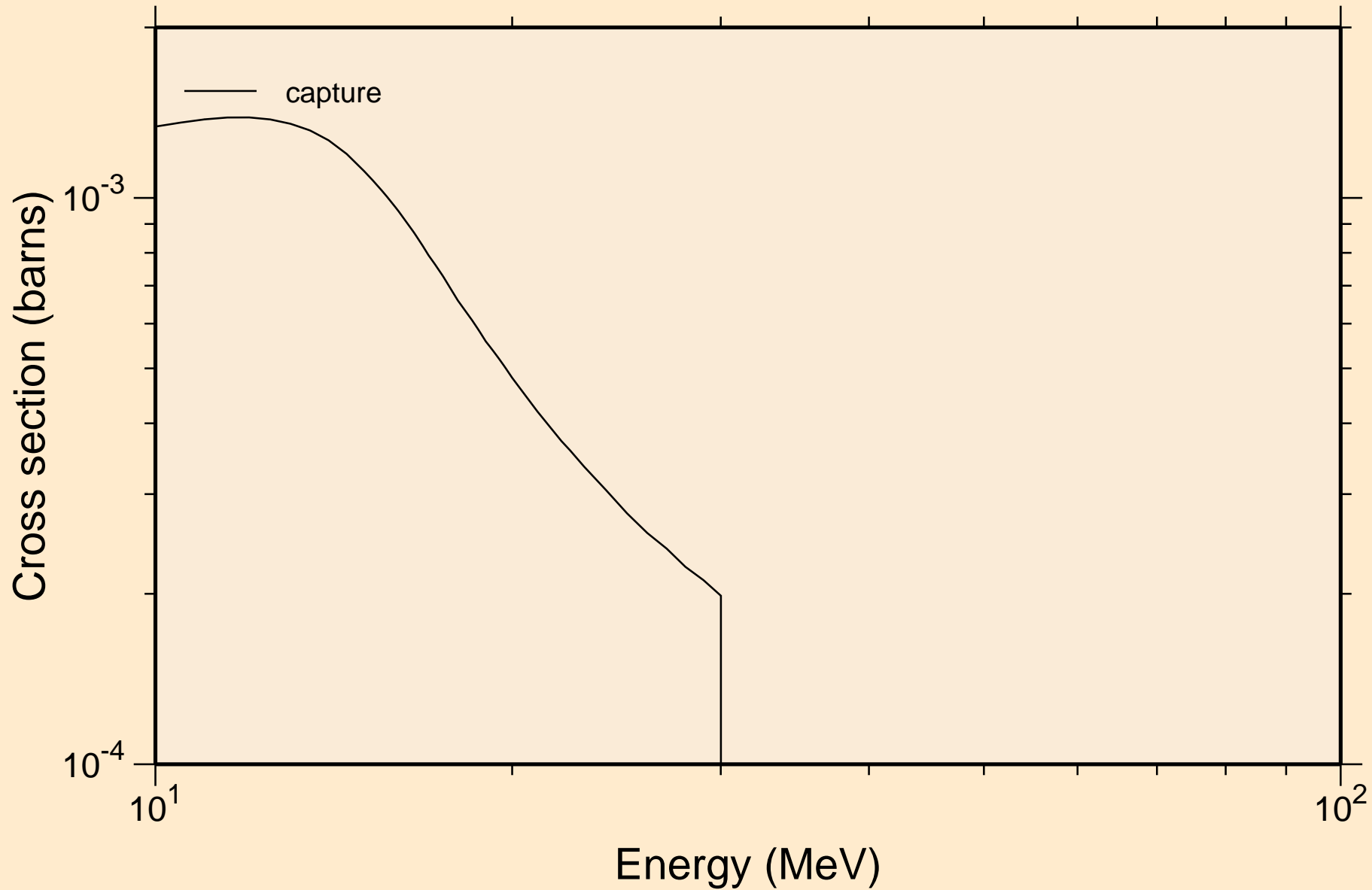


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

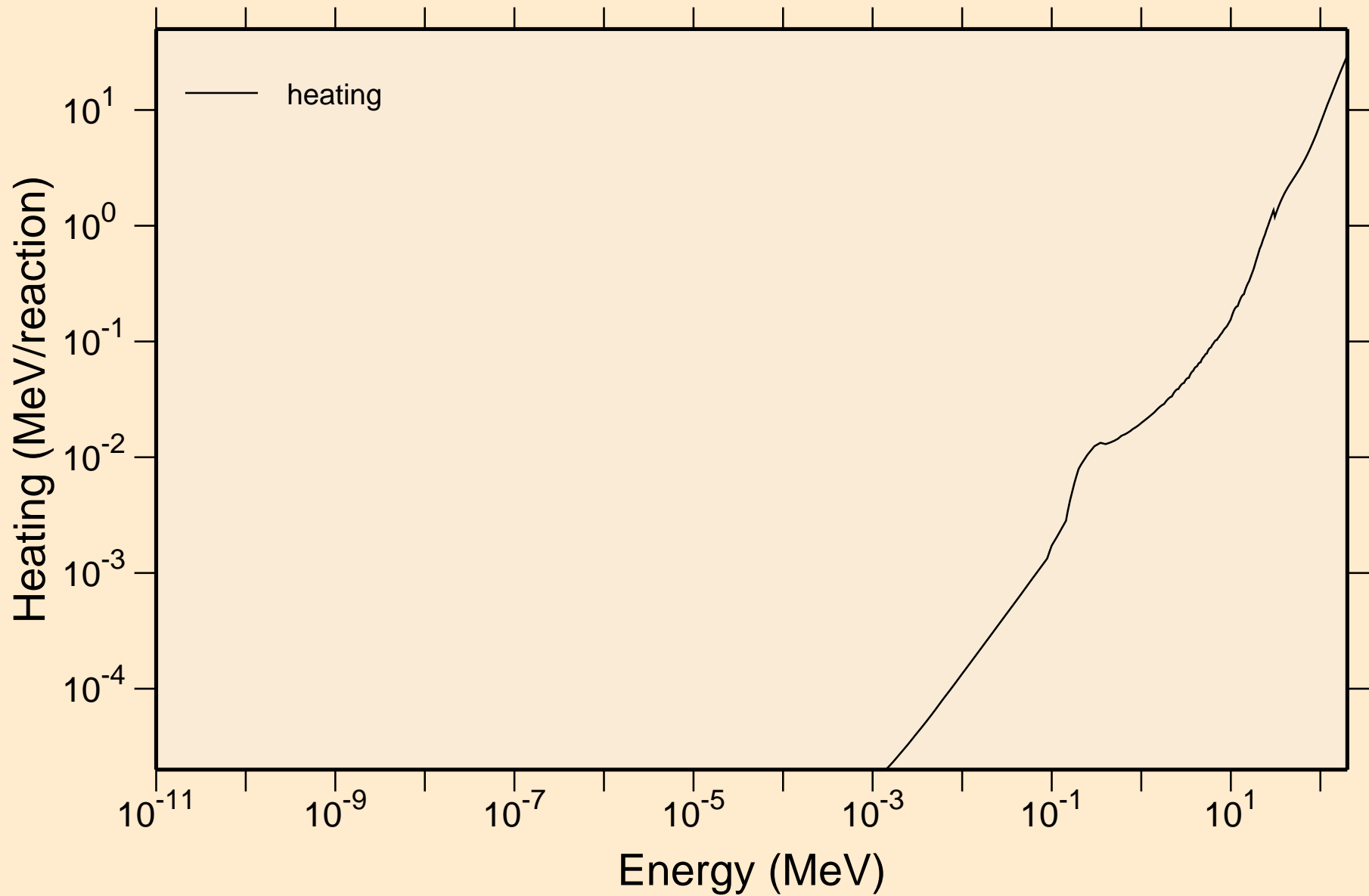




SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

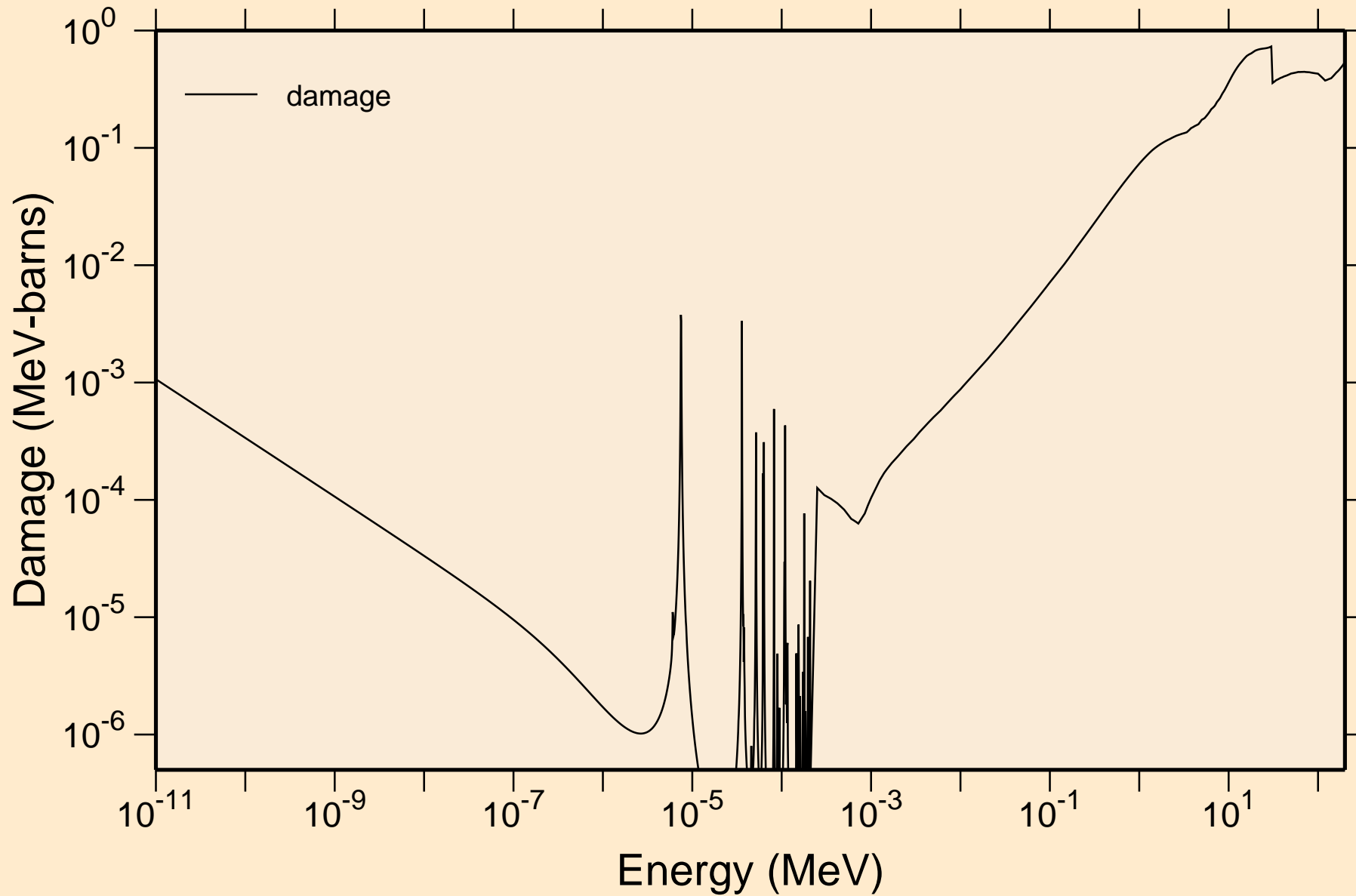


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



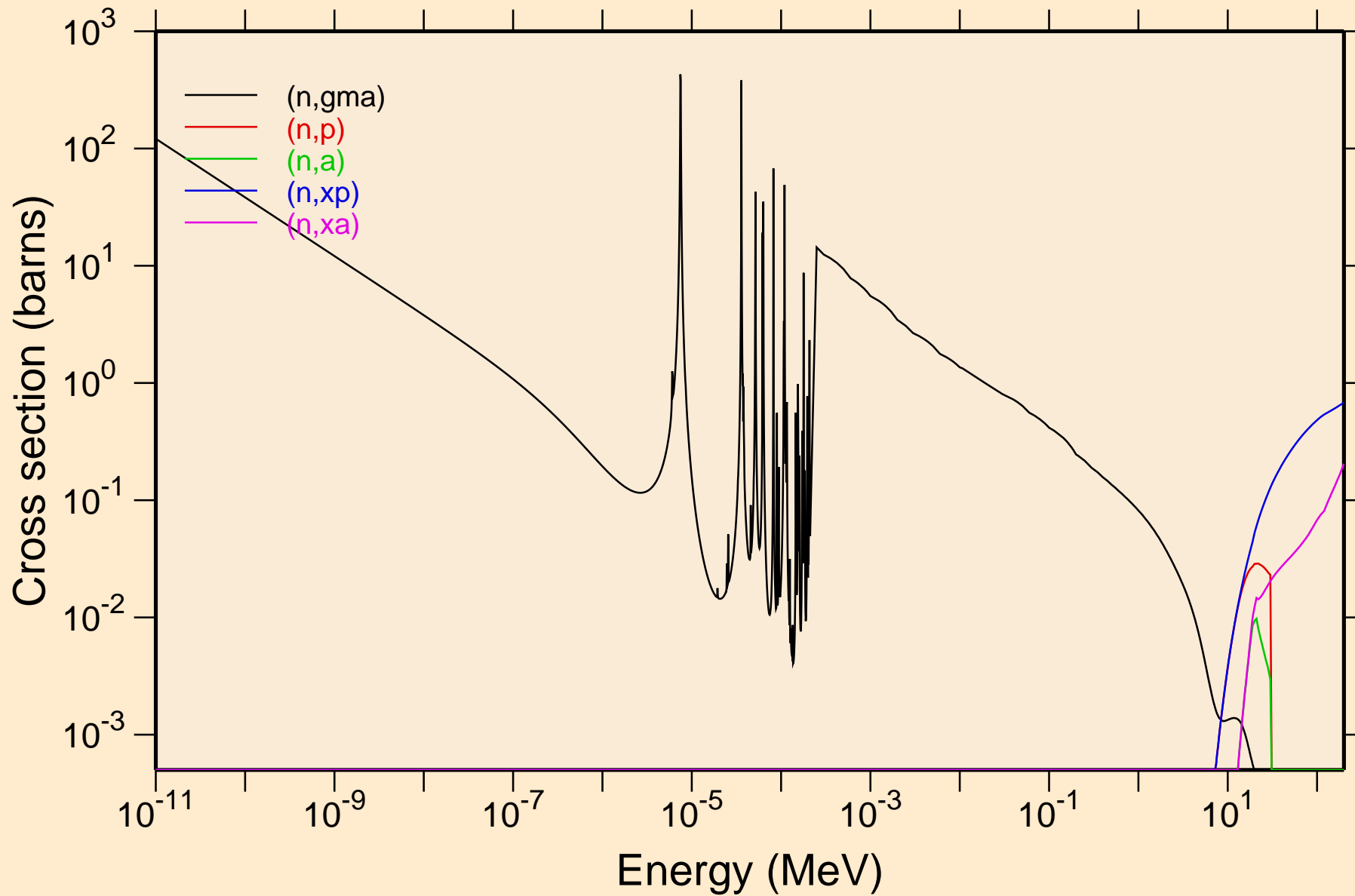
# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage

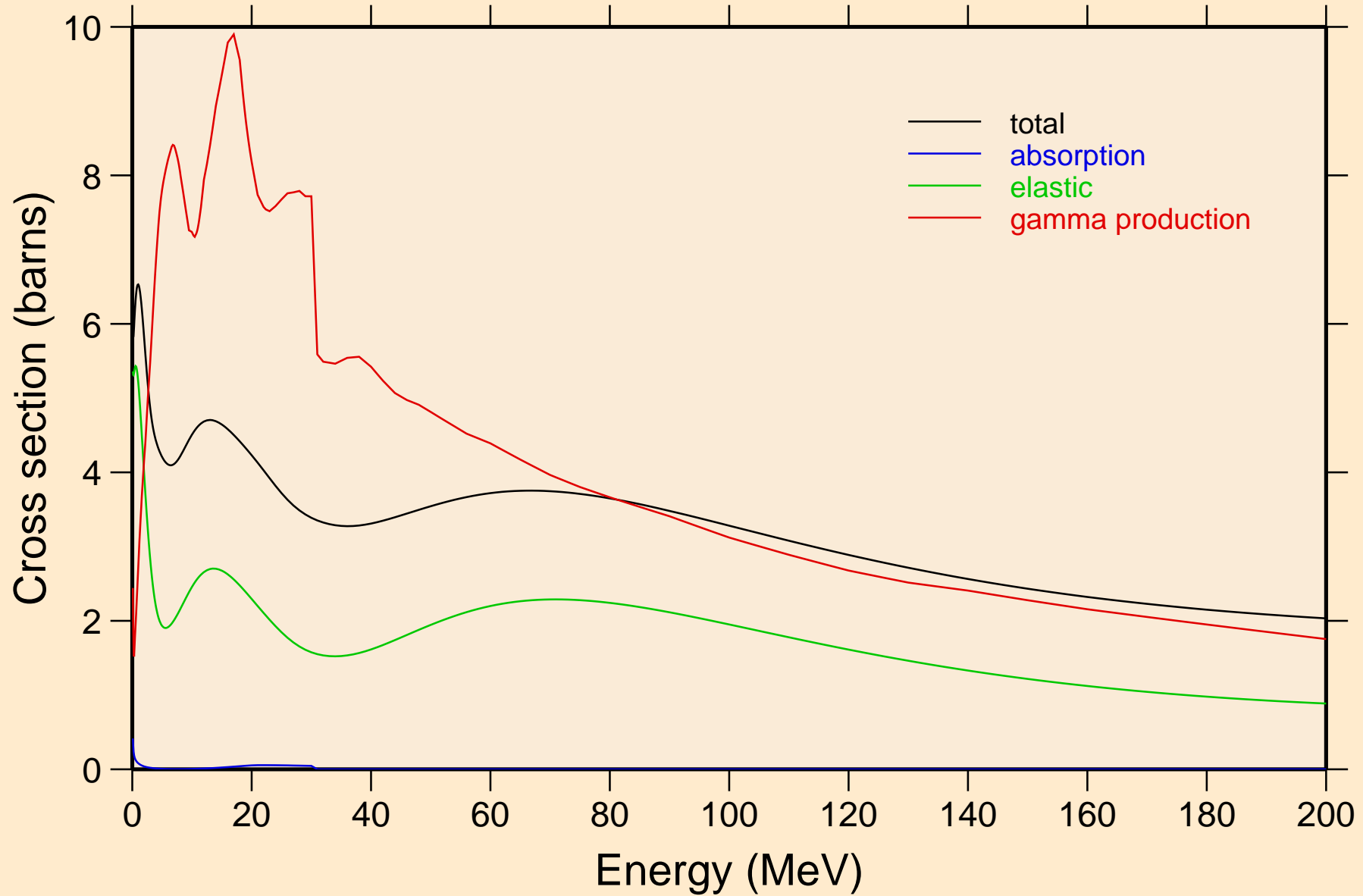


# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

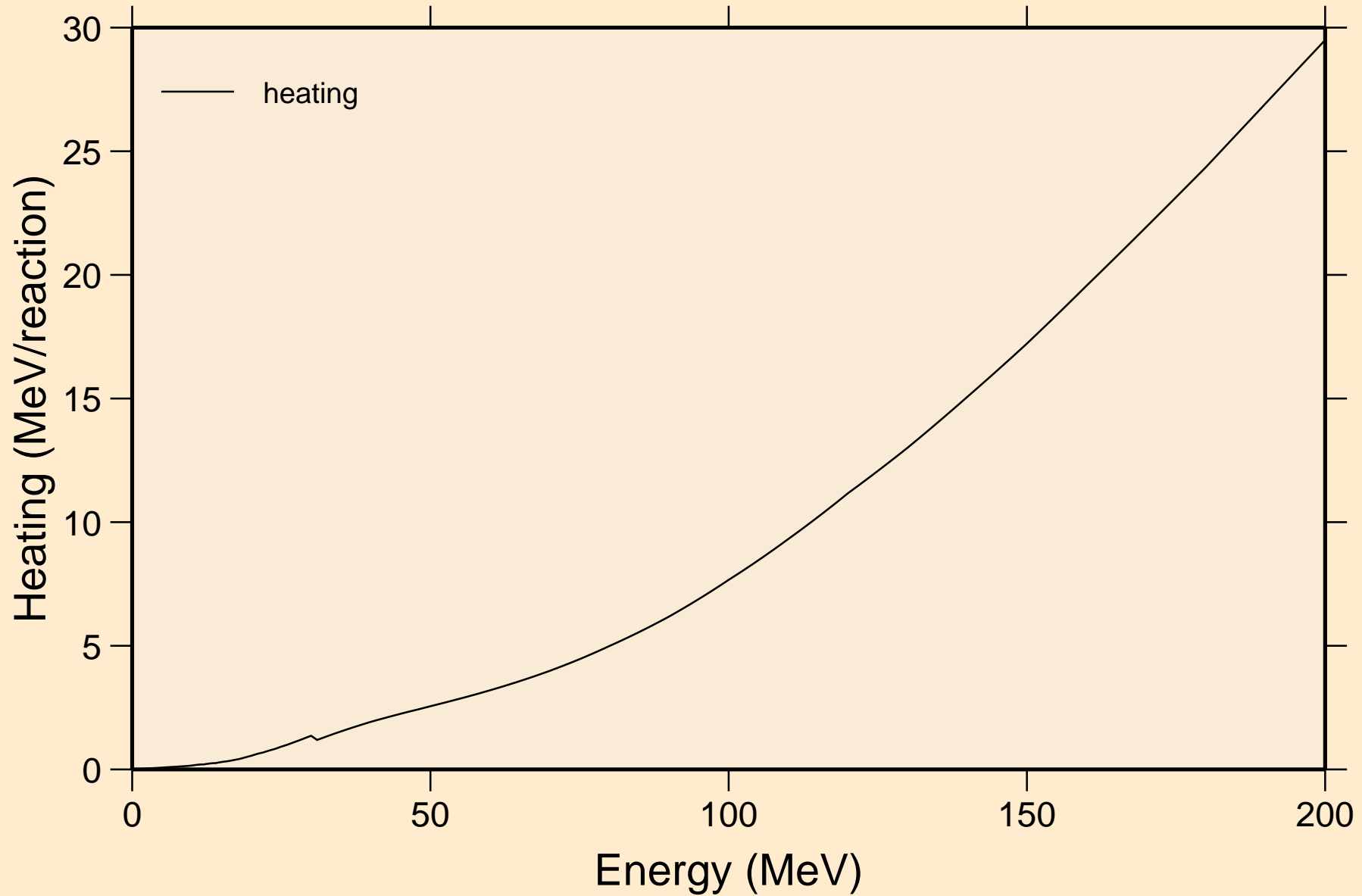


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Principal cross sections



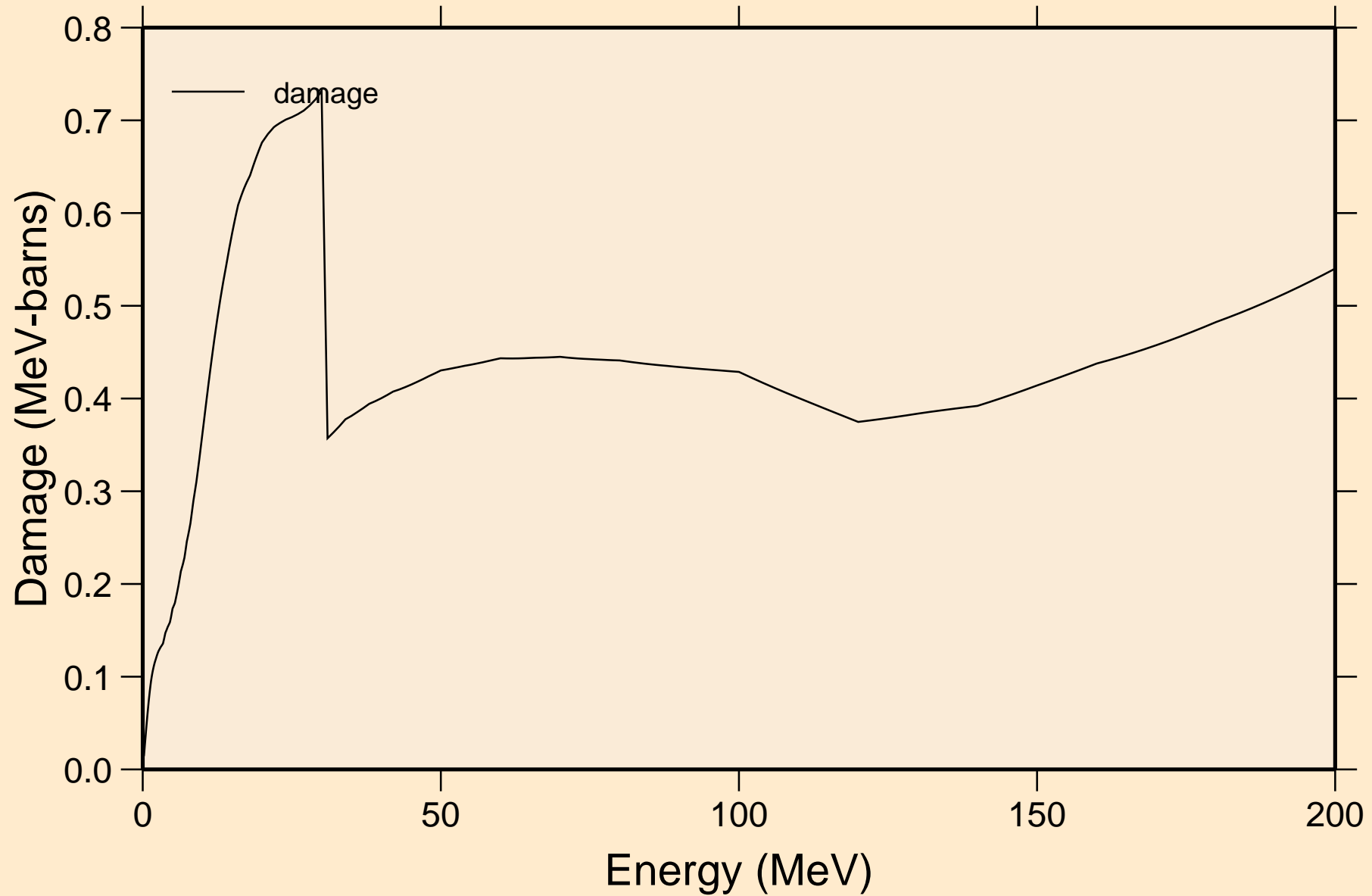
# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating



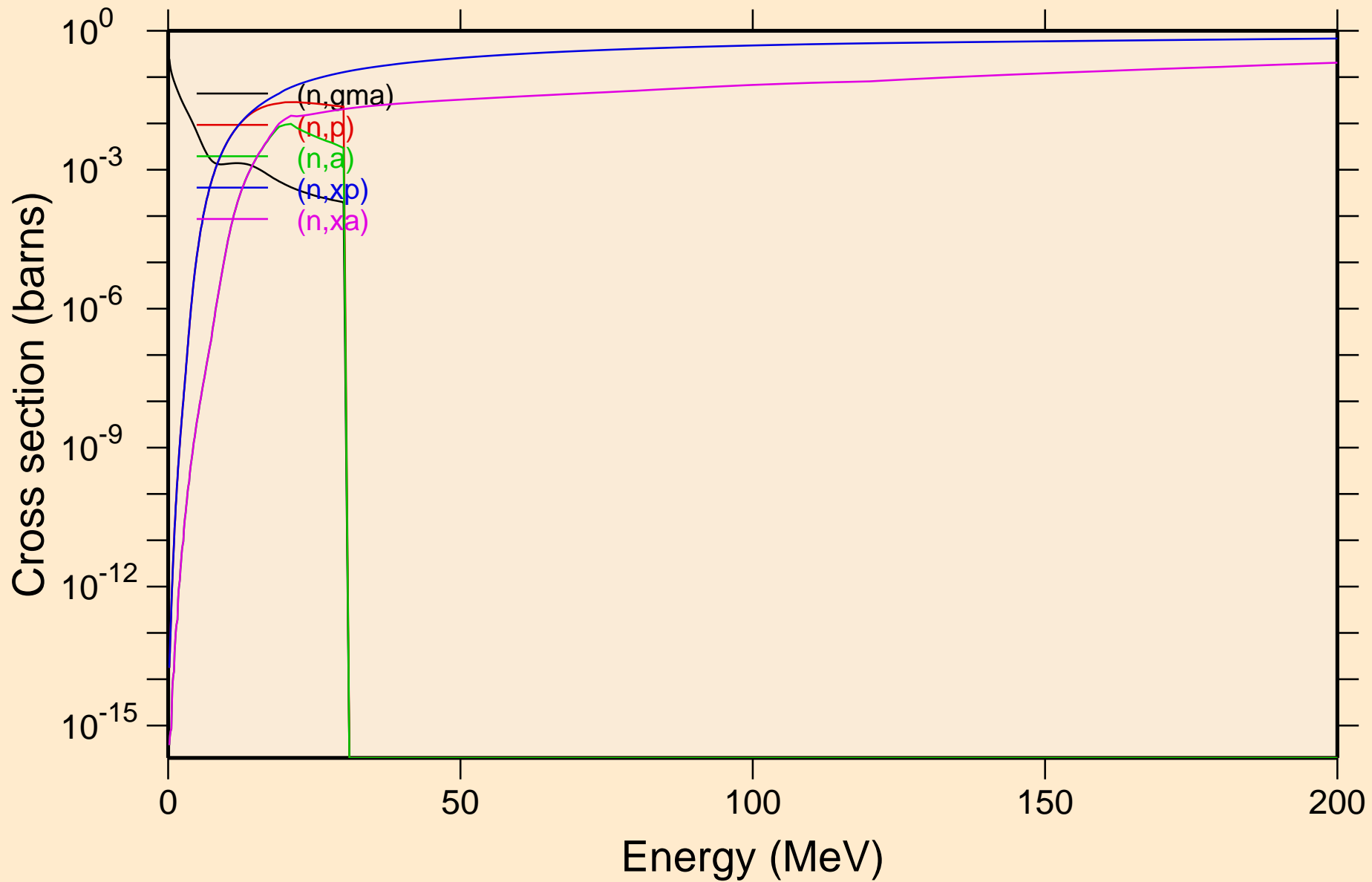
# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Damage



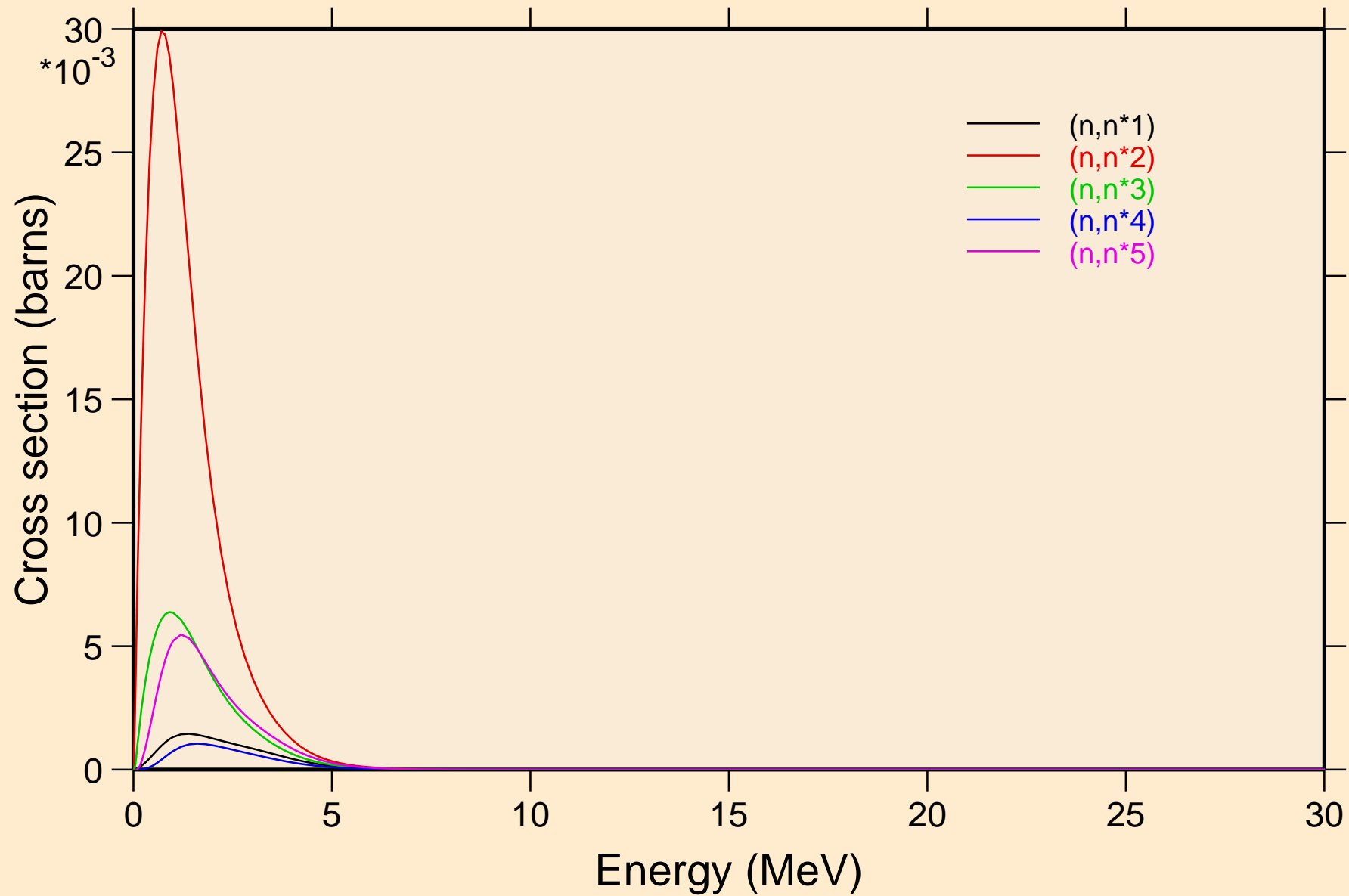
# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

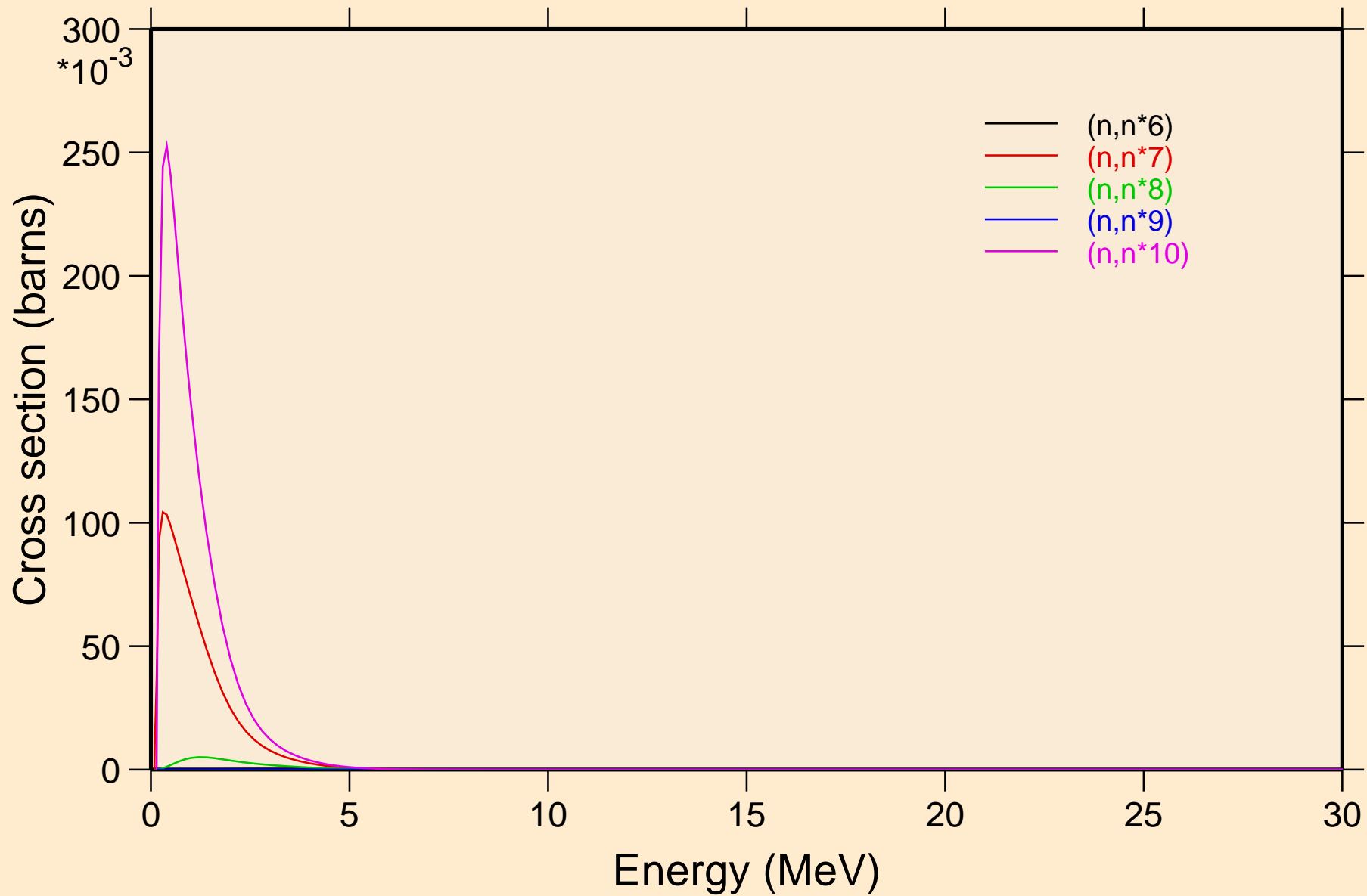




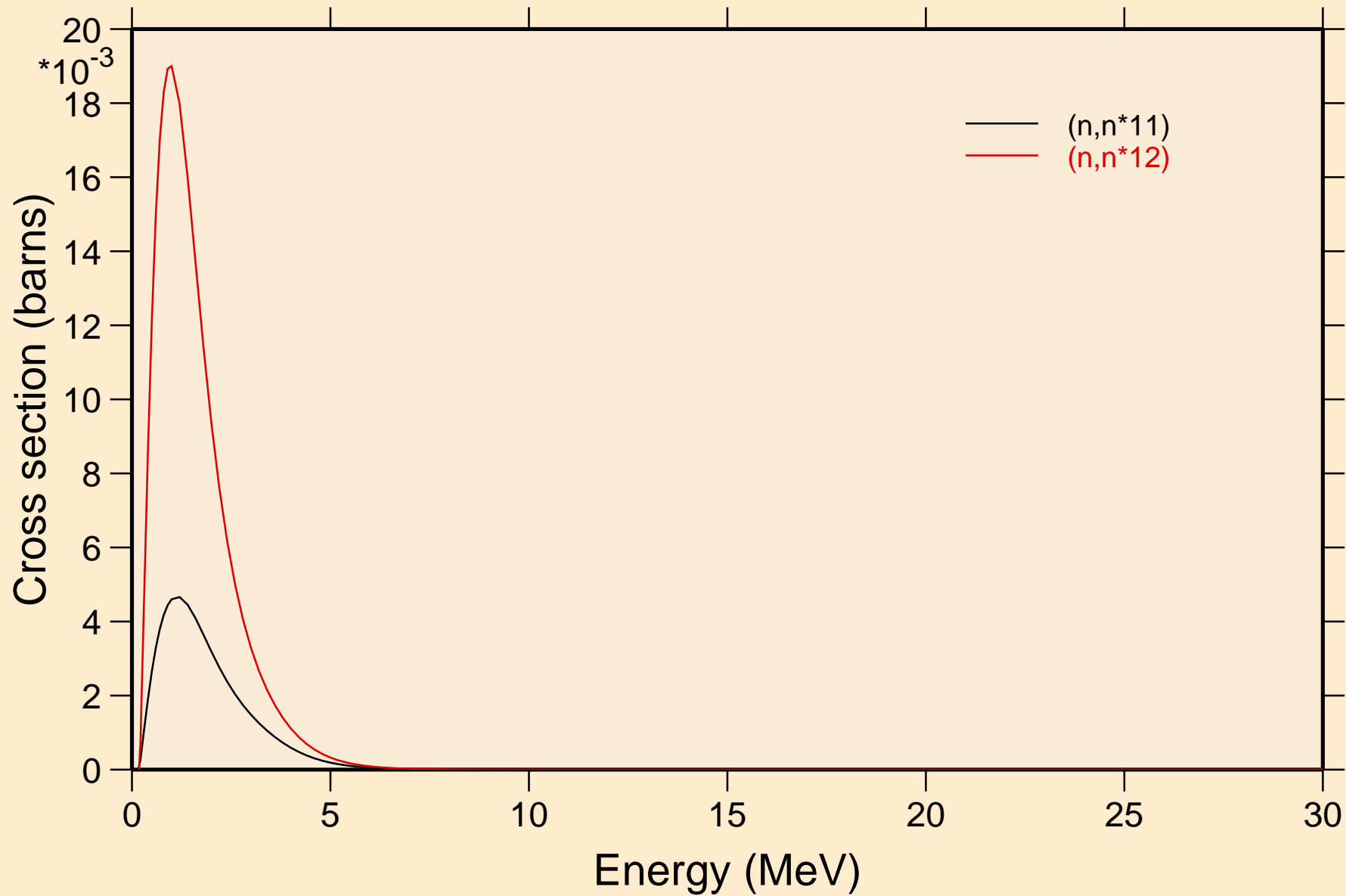
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

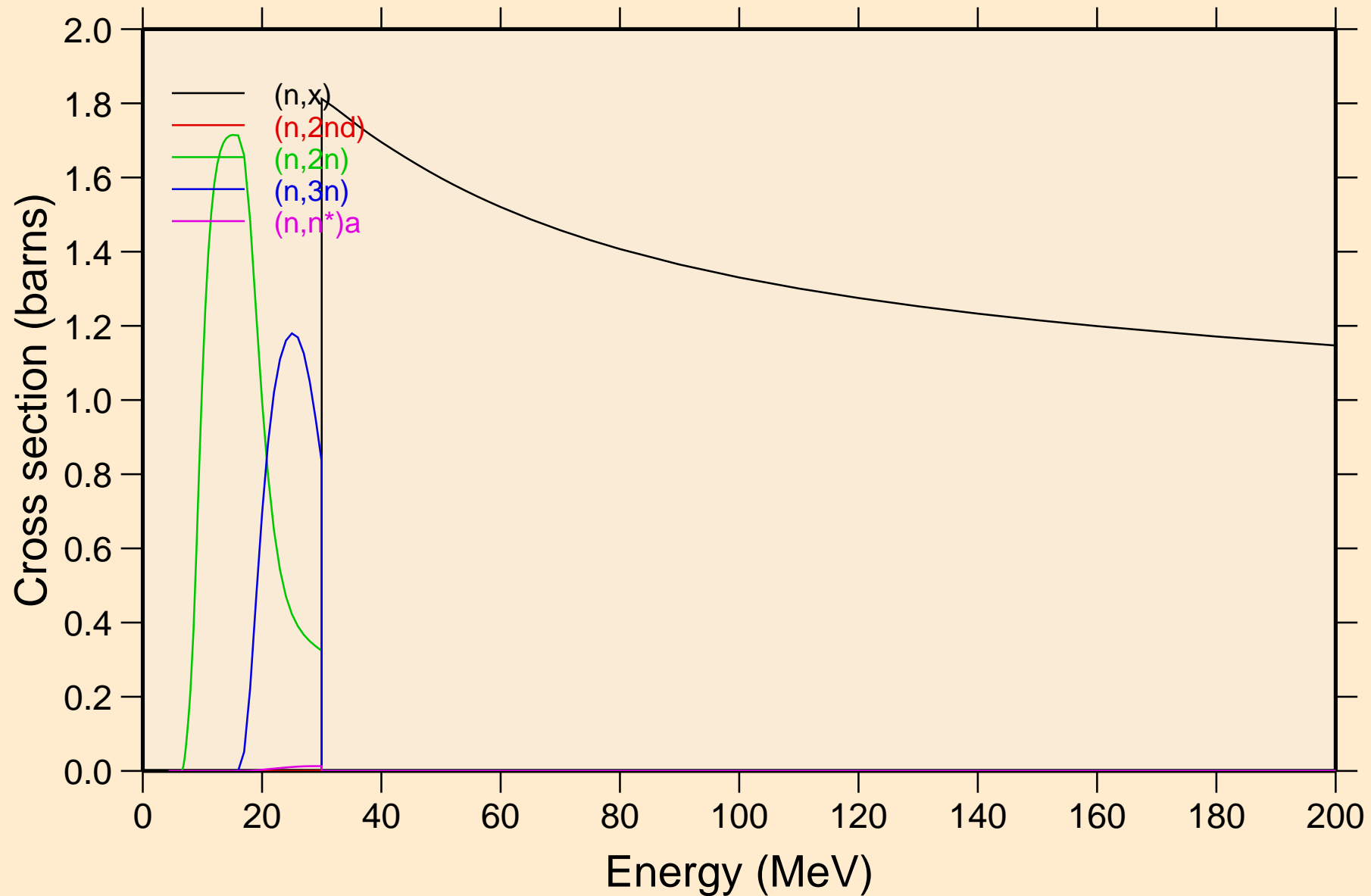


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



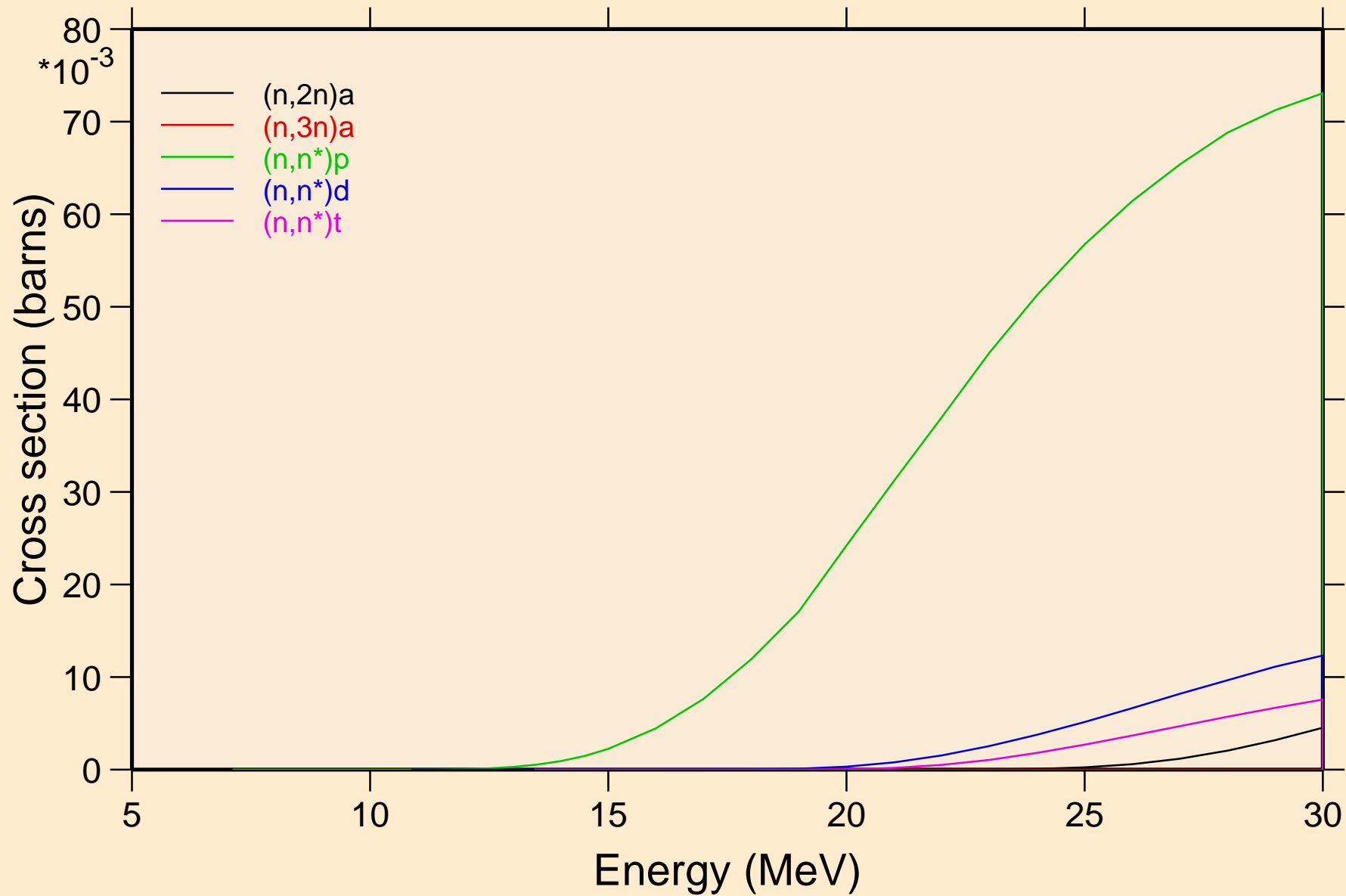
# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



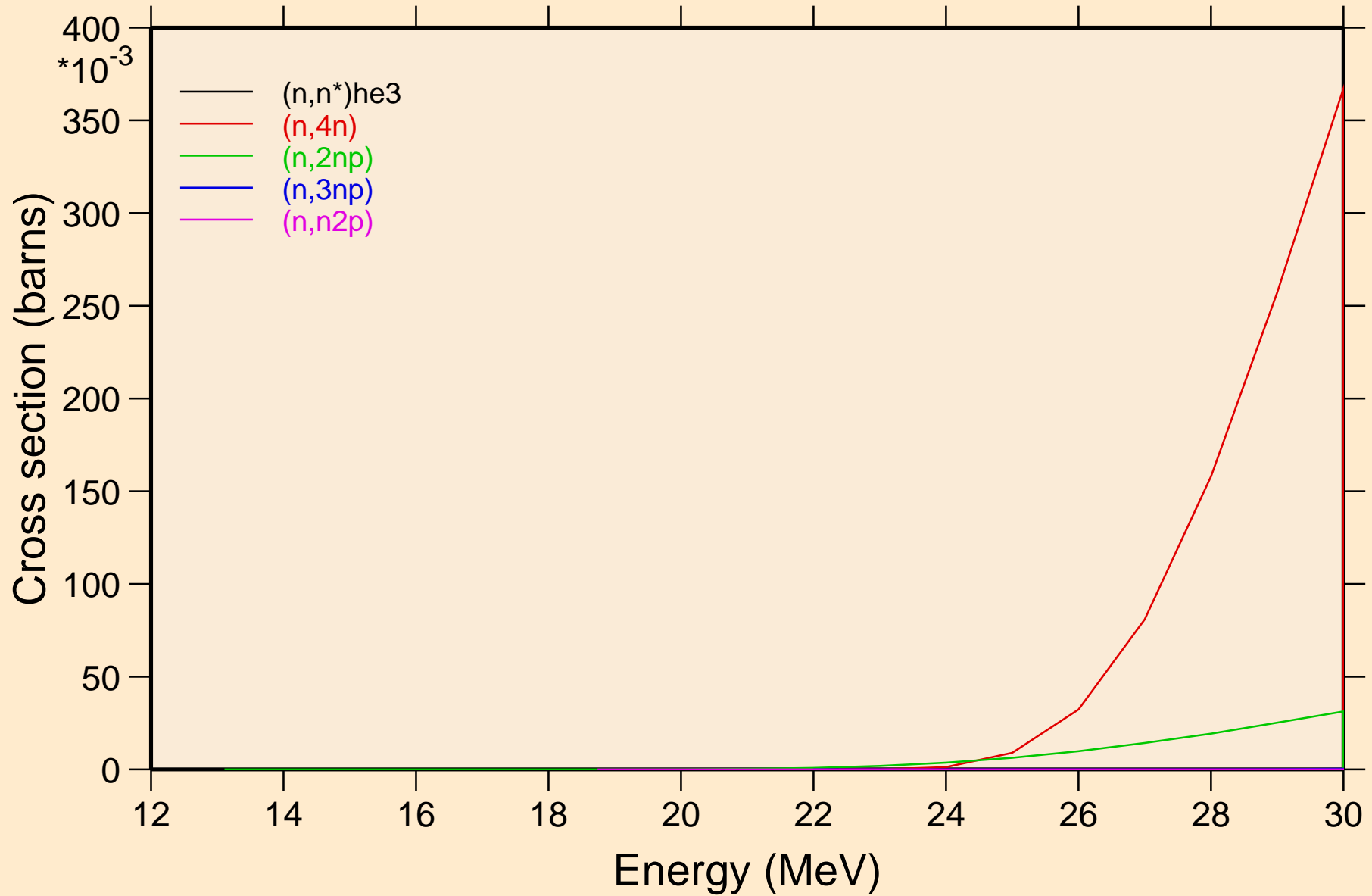
# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



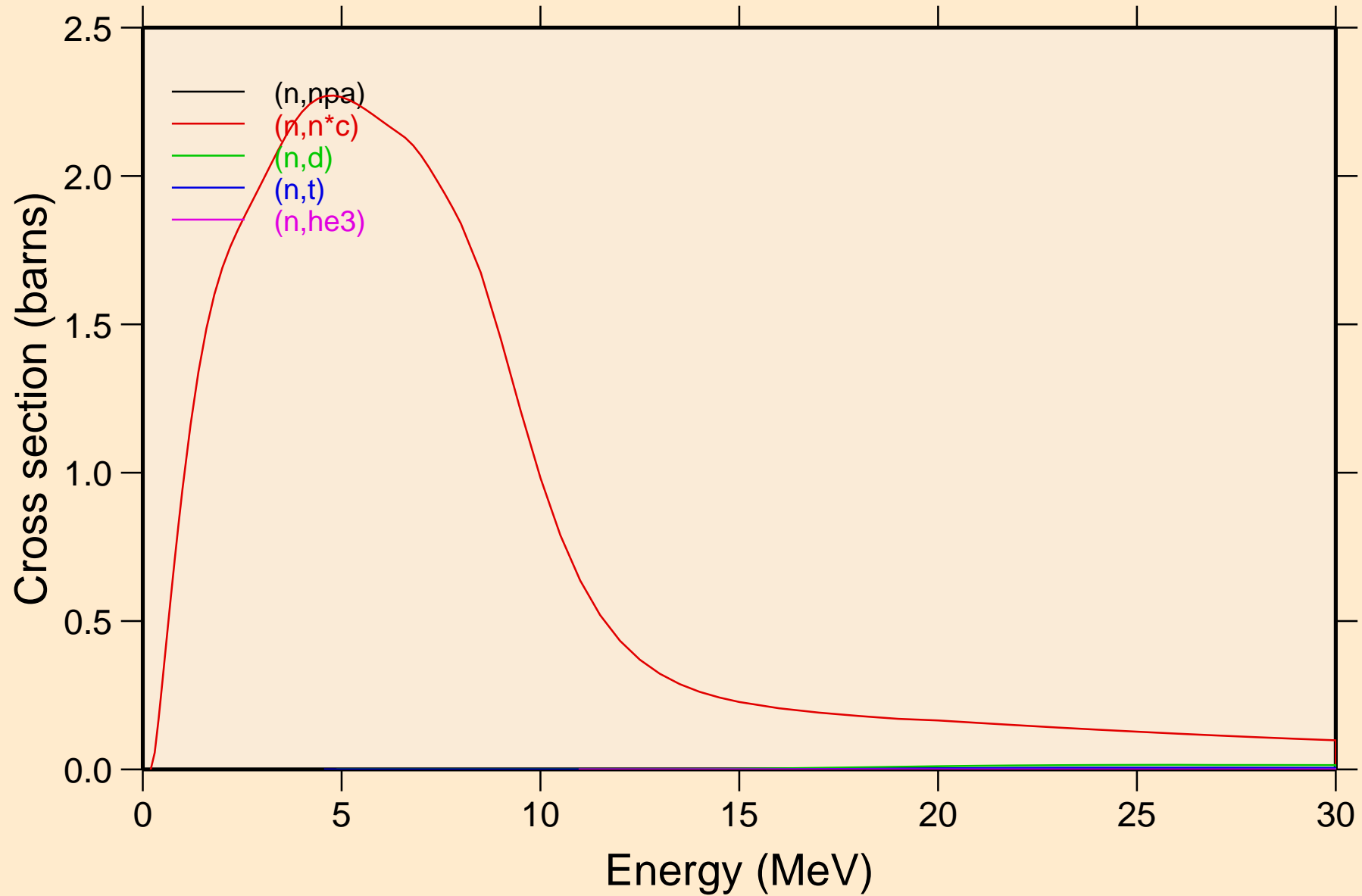
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## Threshold reactions

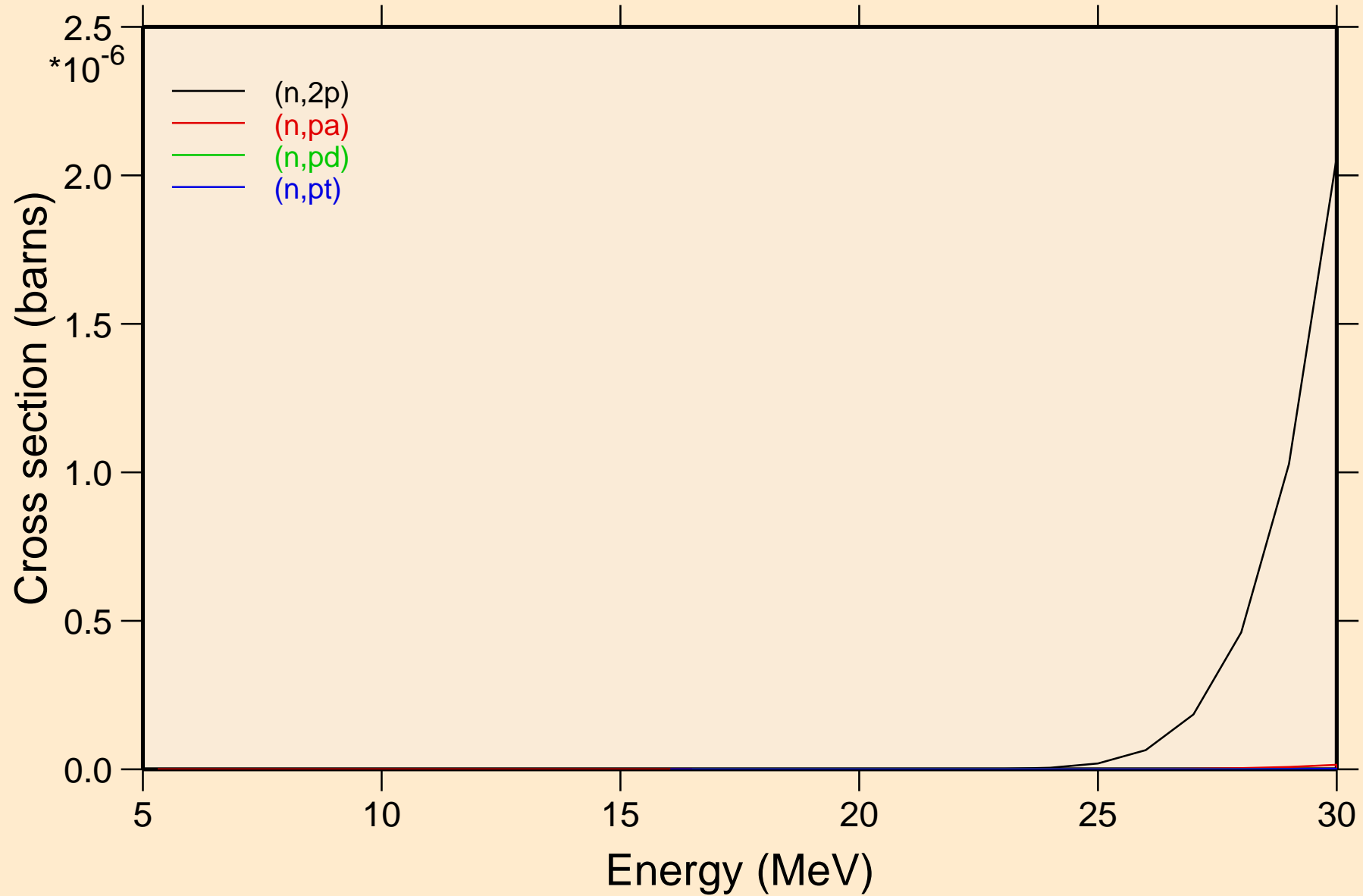


# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Threshold reactions



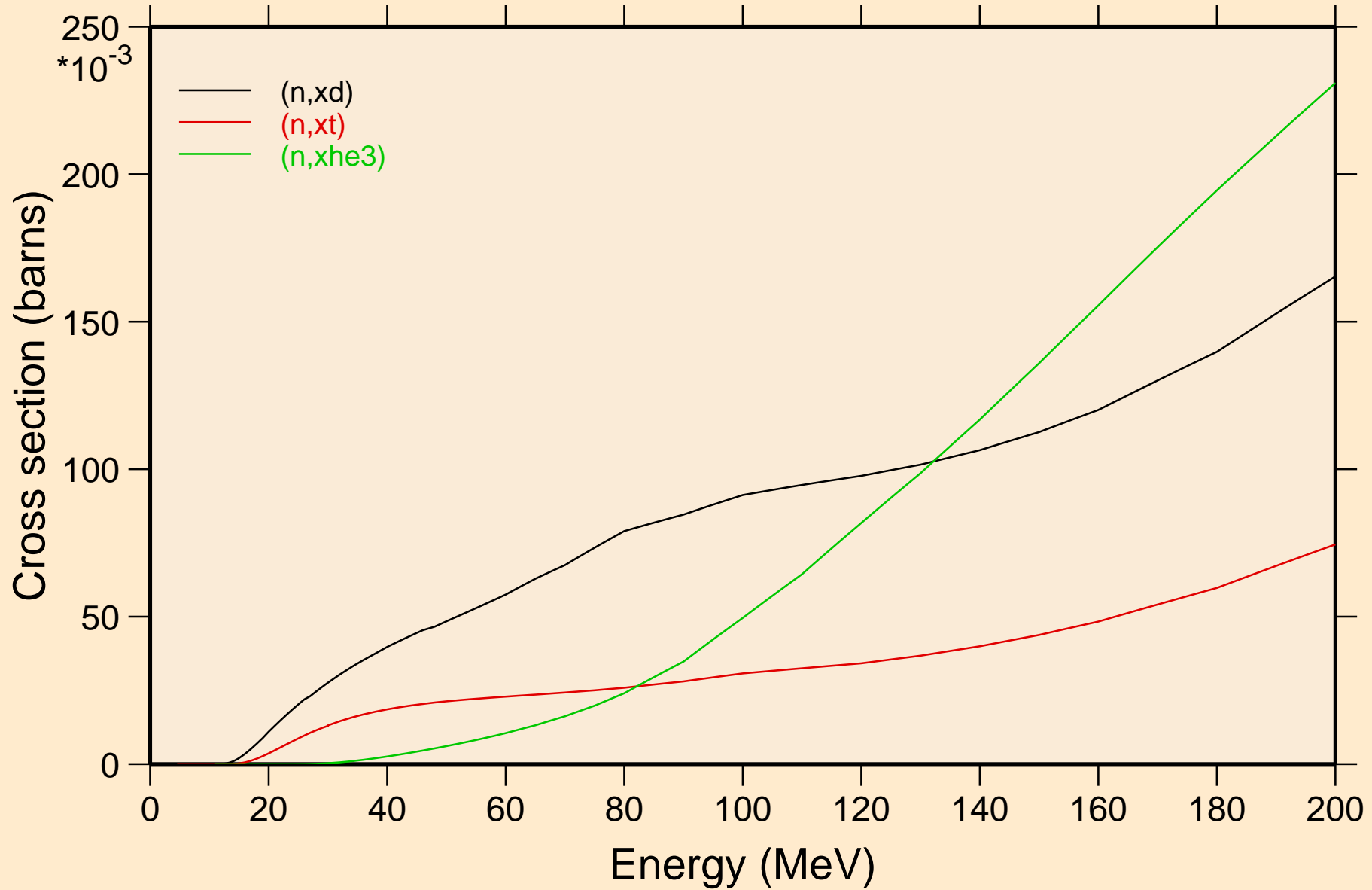
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



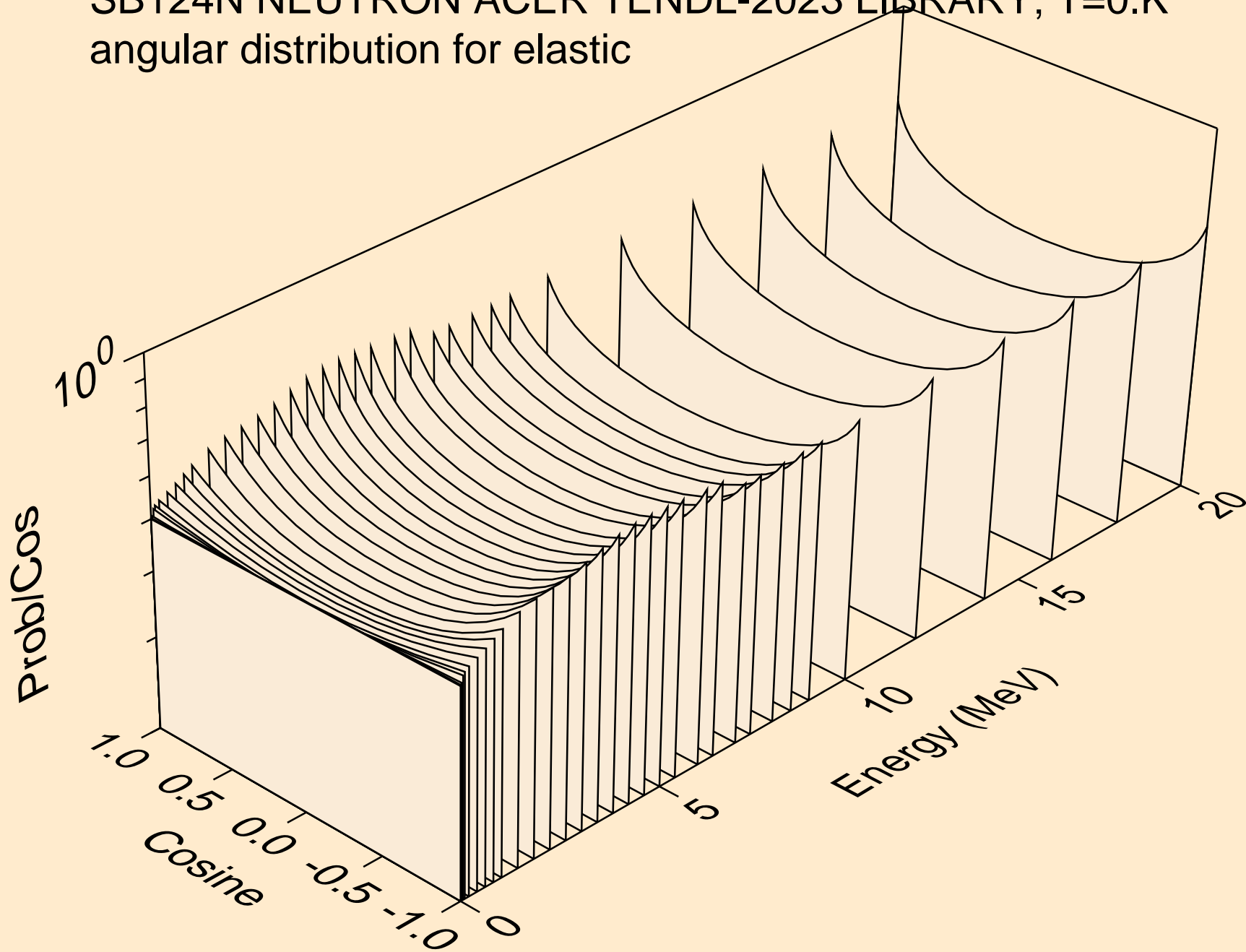


# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

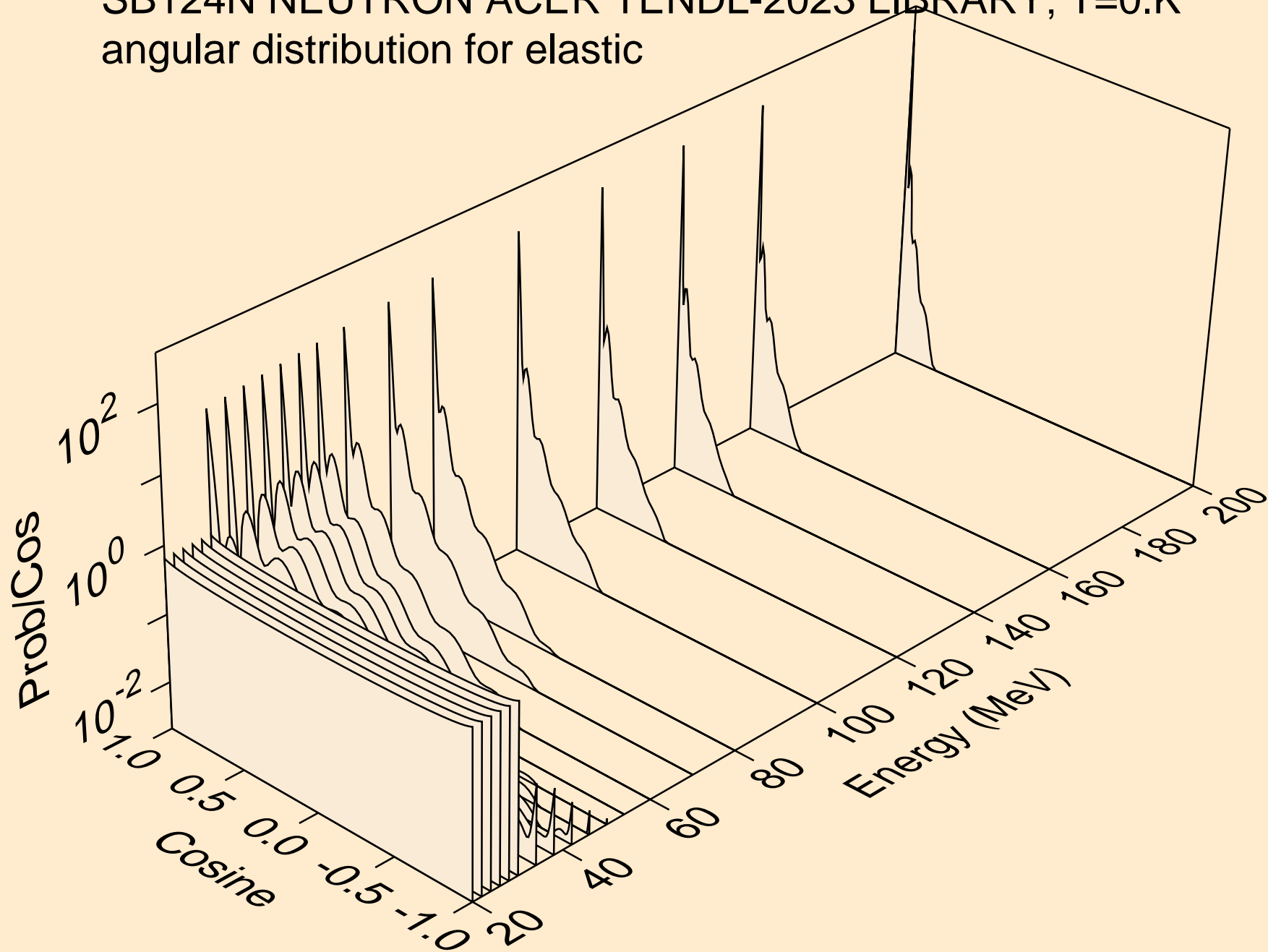
## Threshold reactions



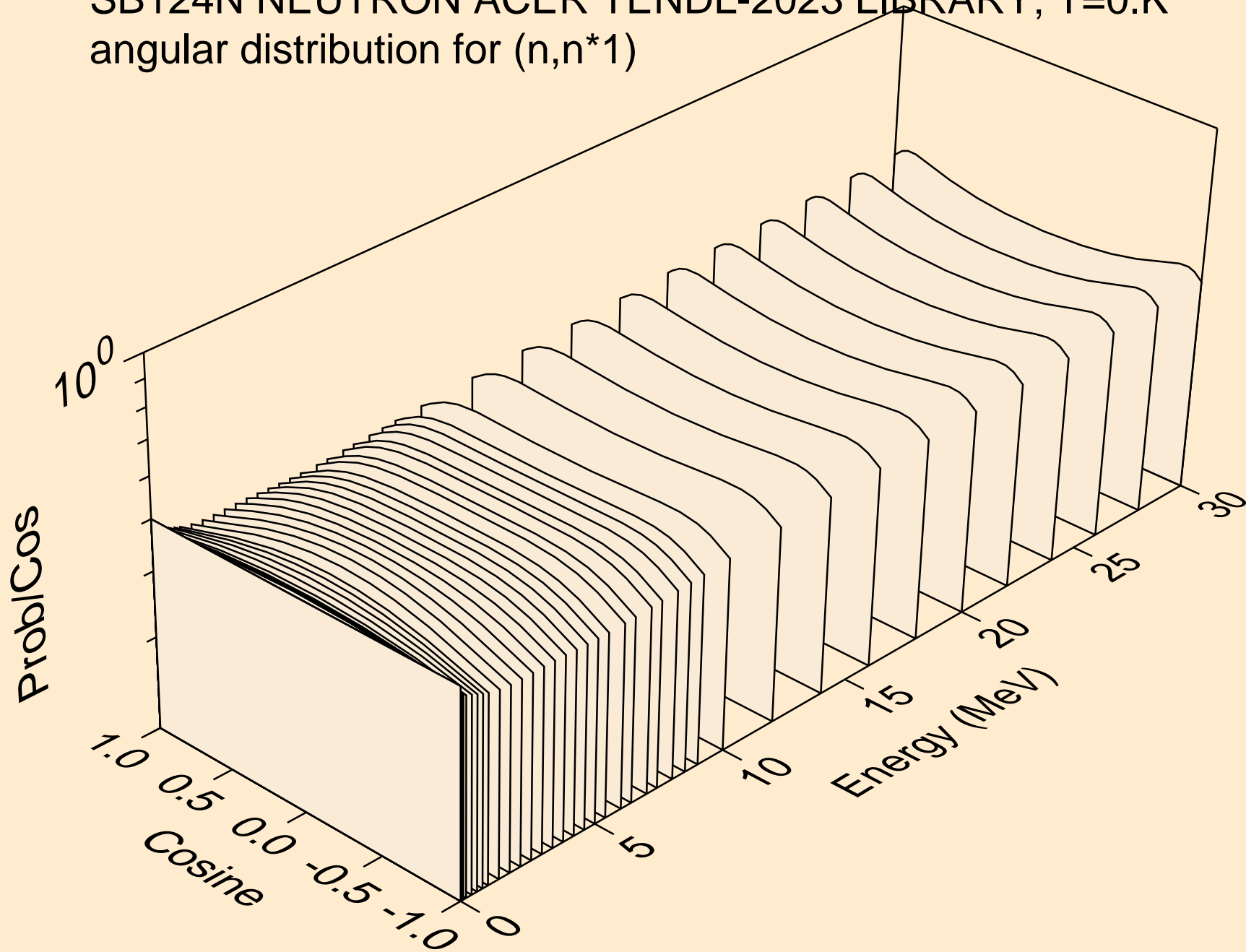
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



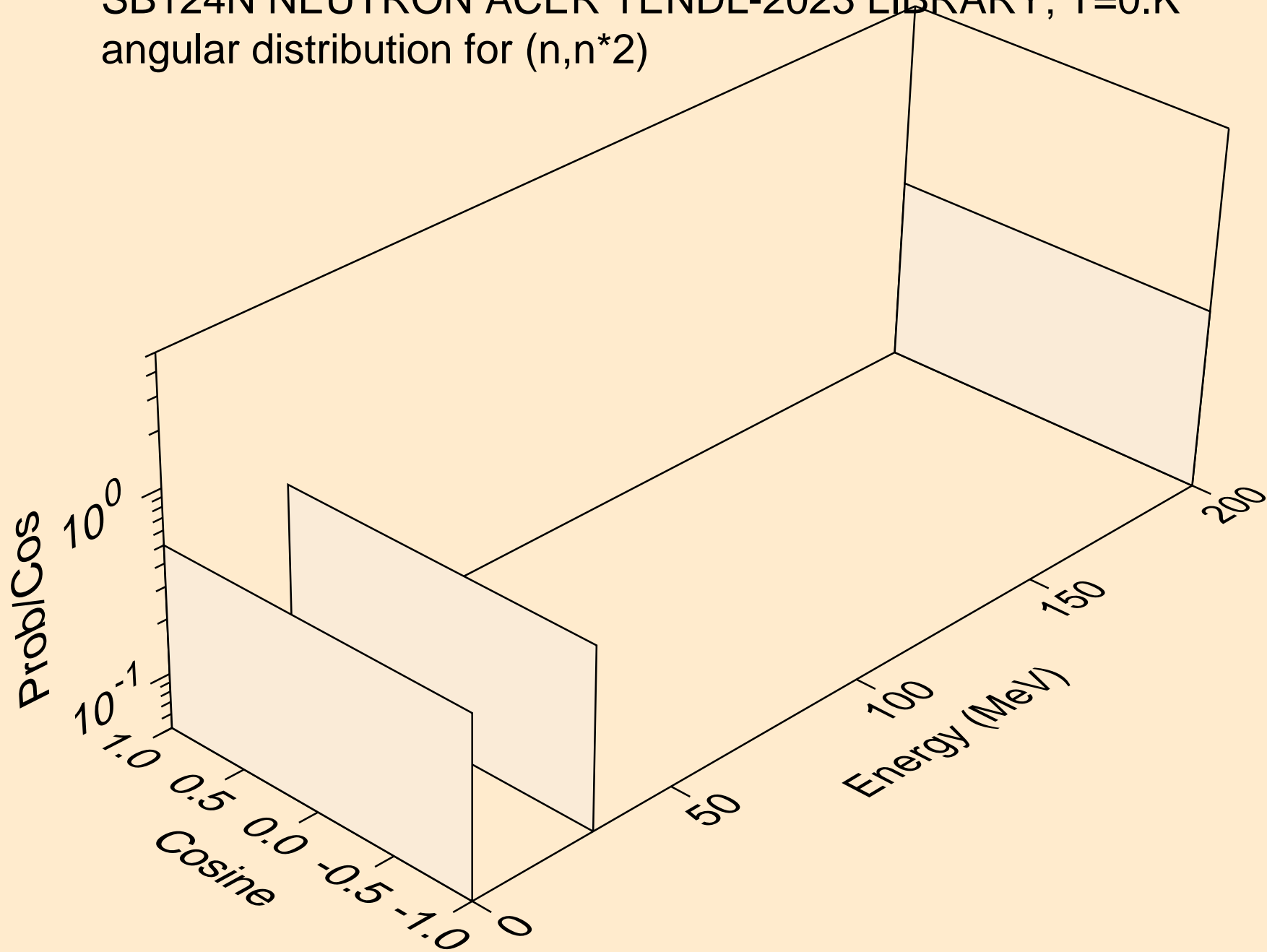
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



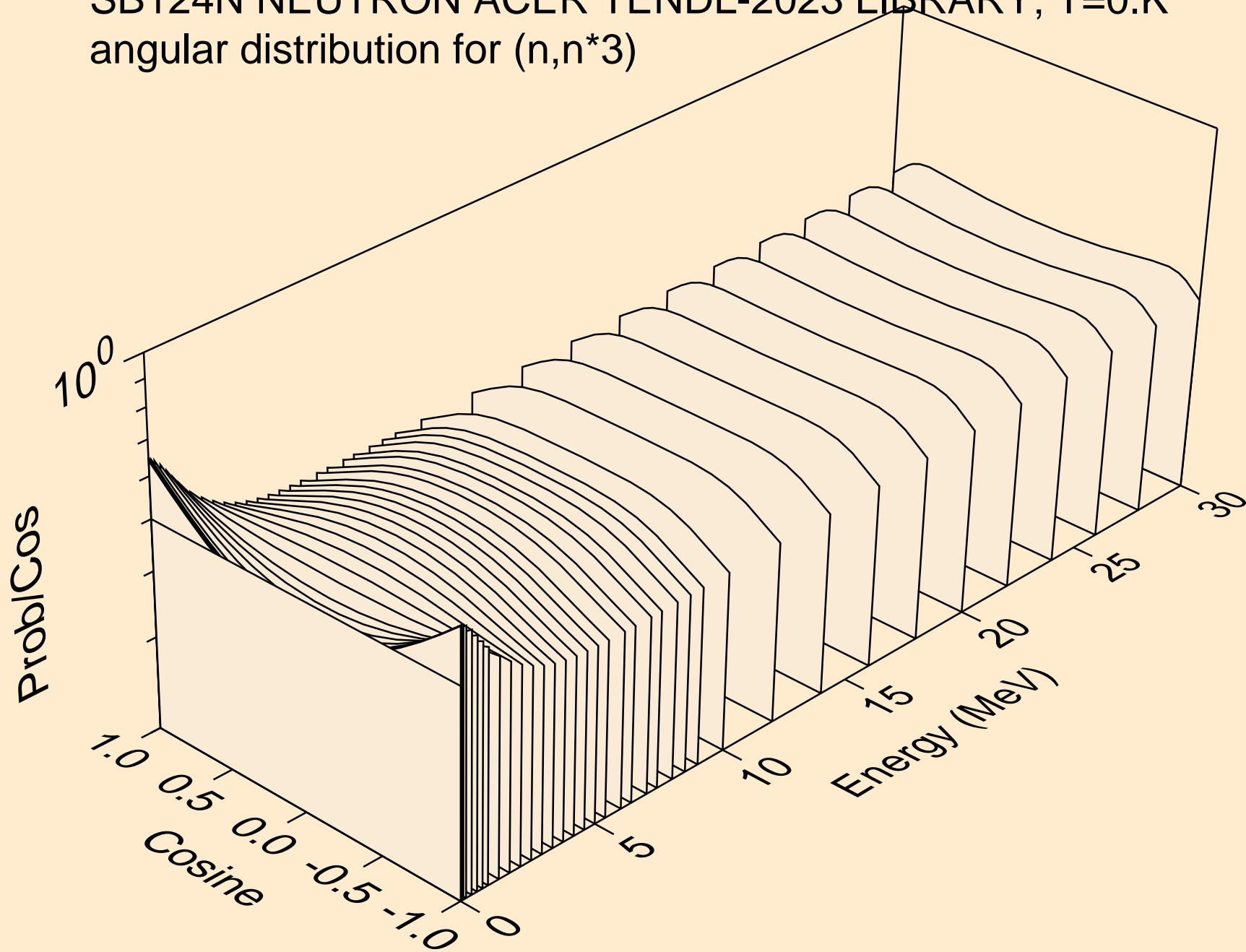
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



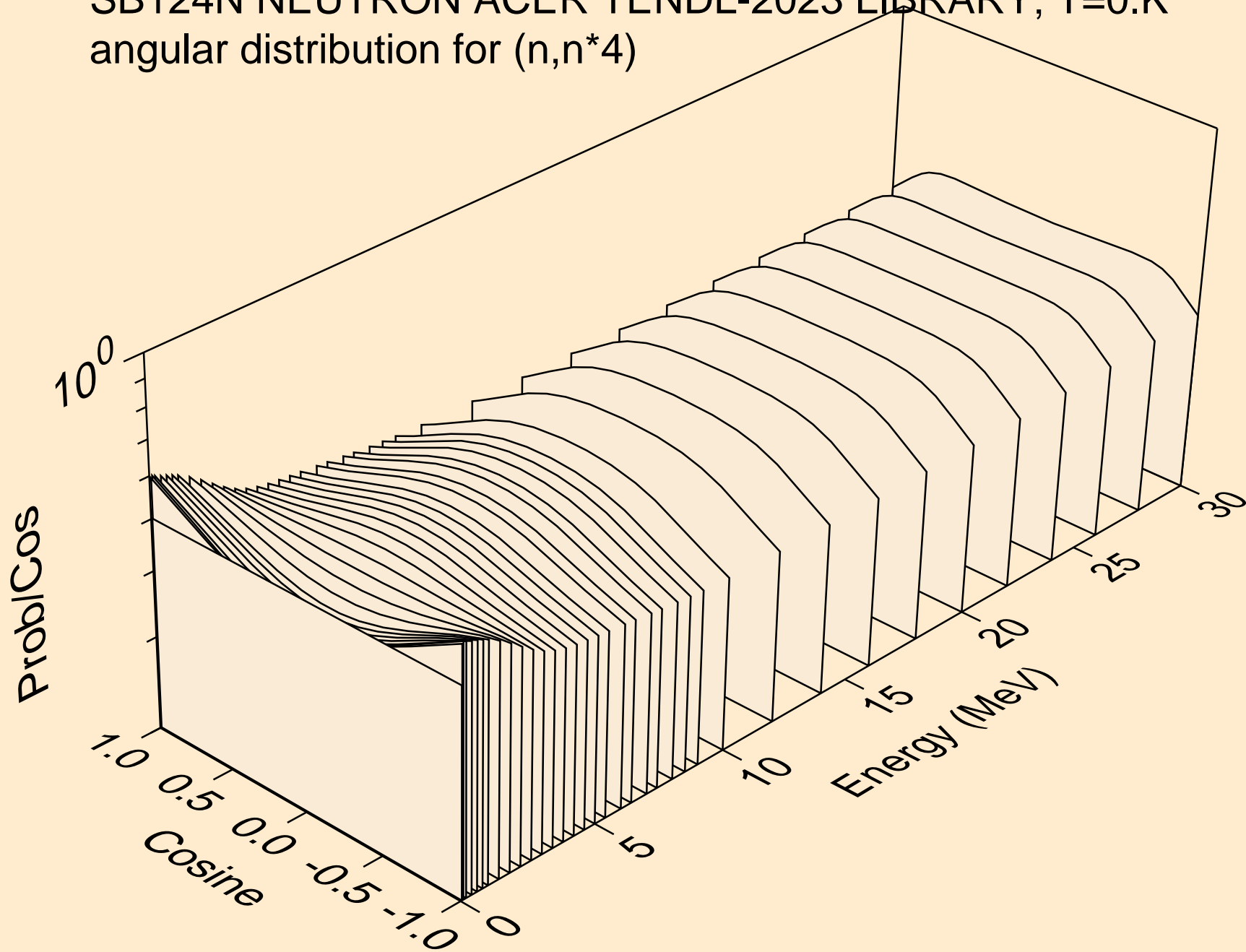
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



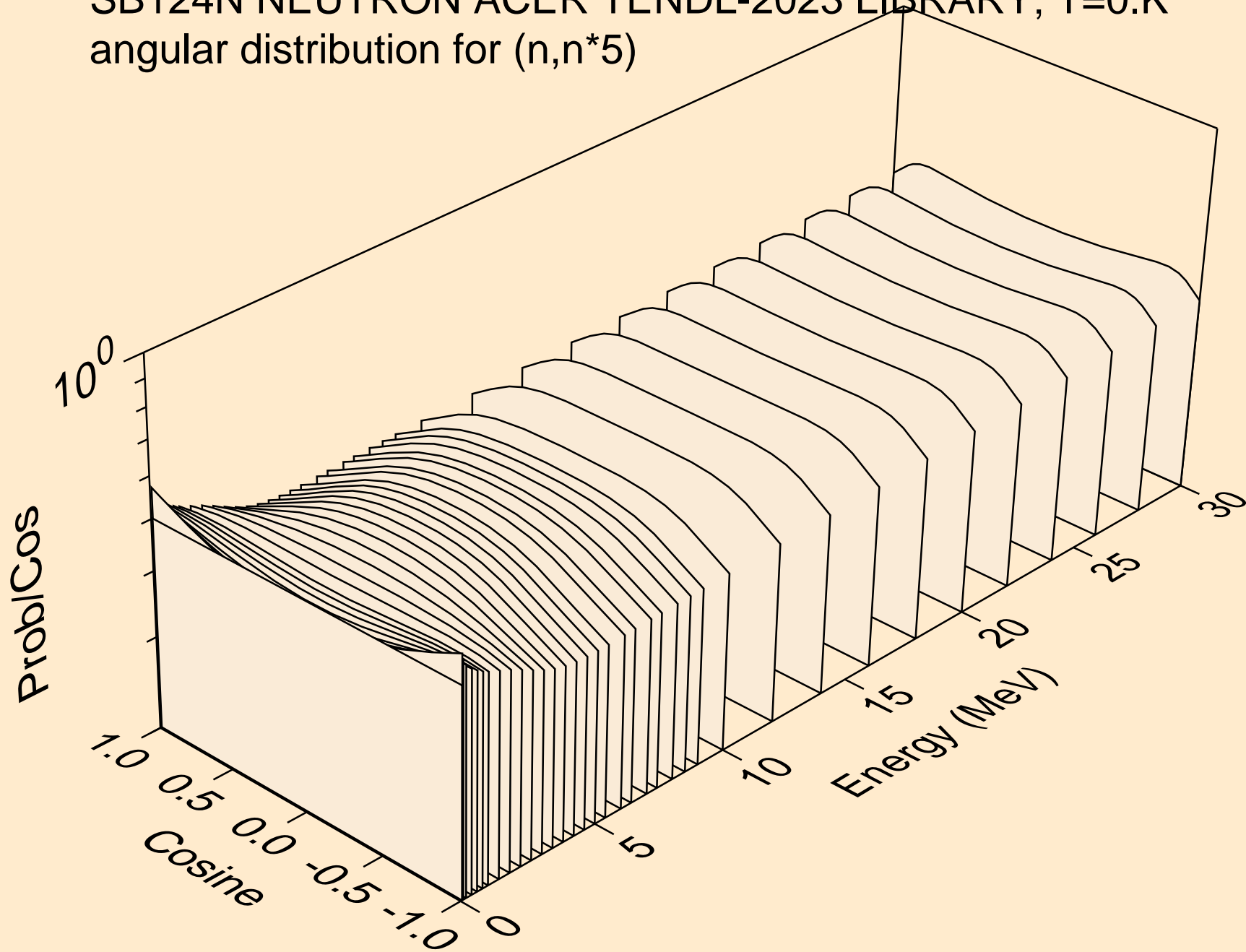
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)

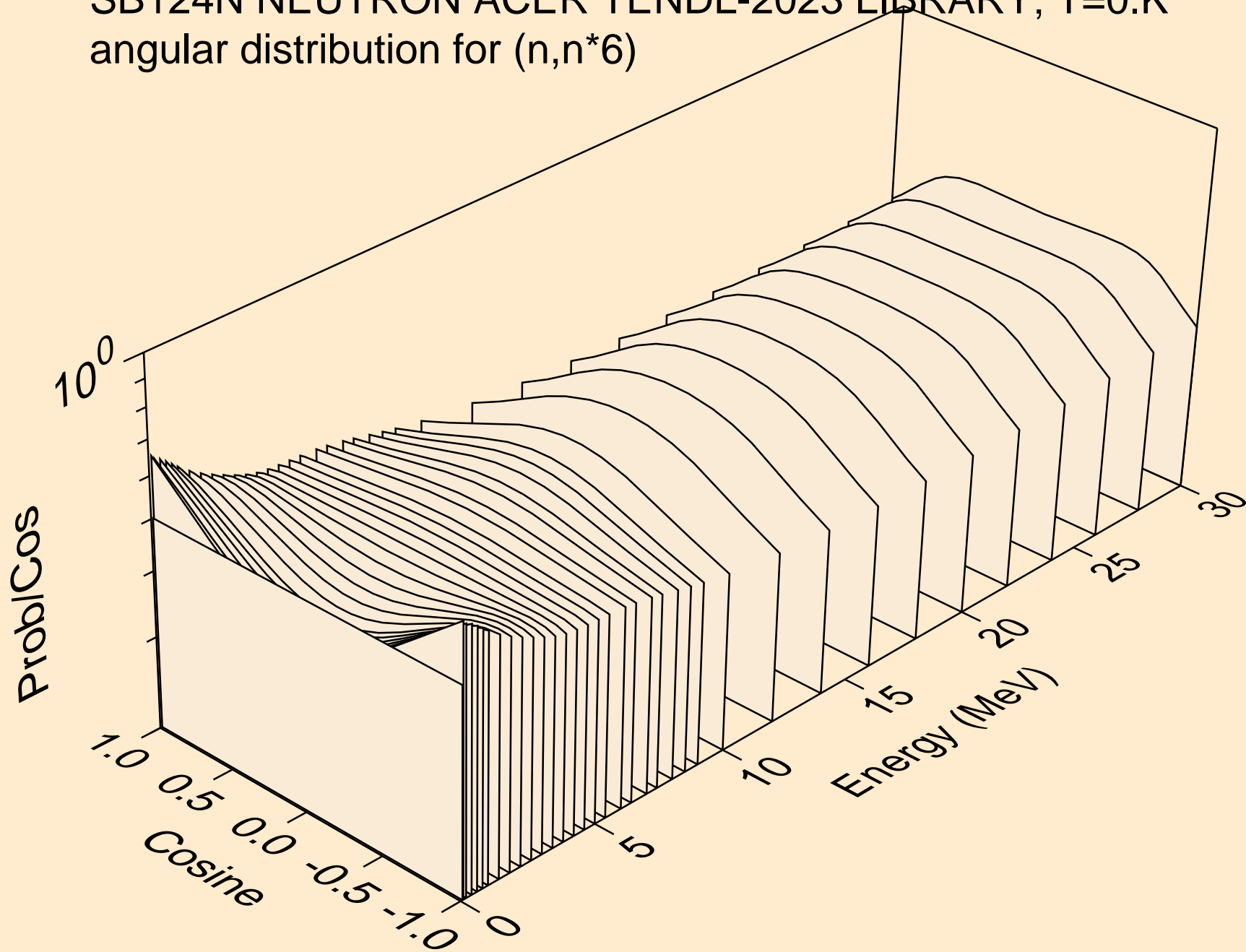


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)

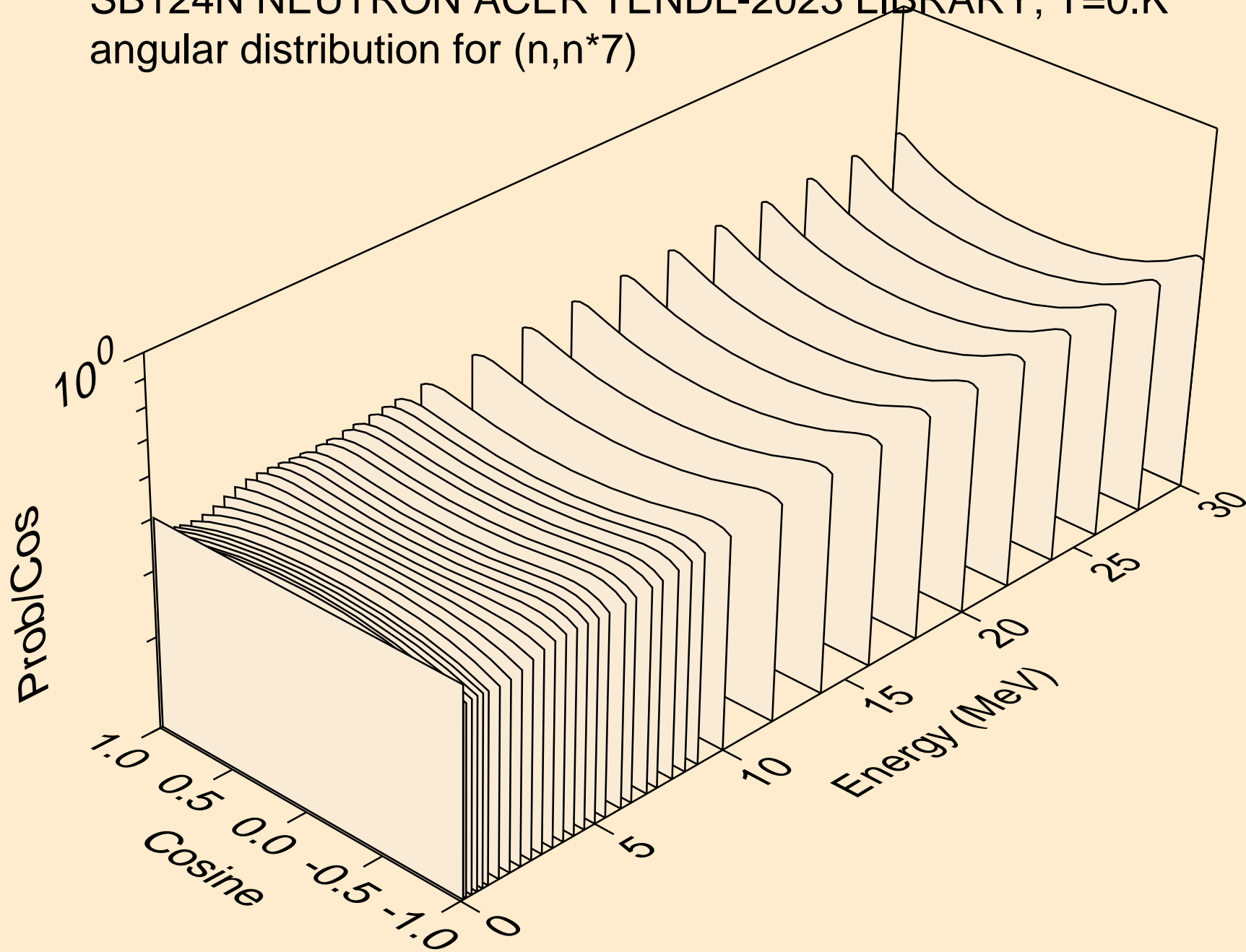




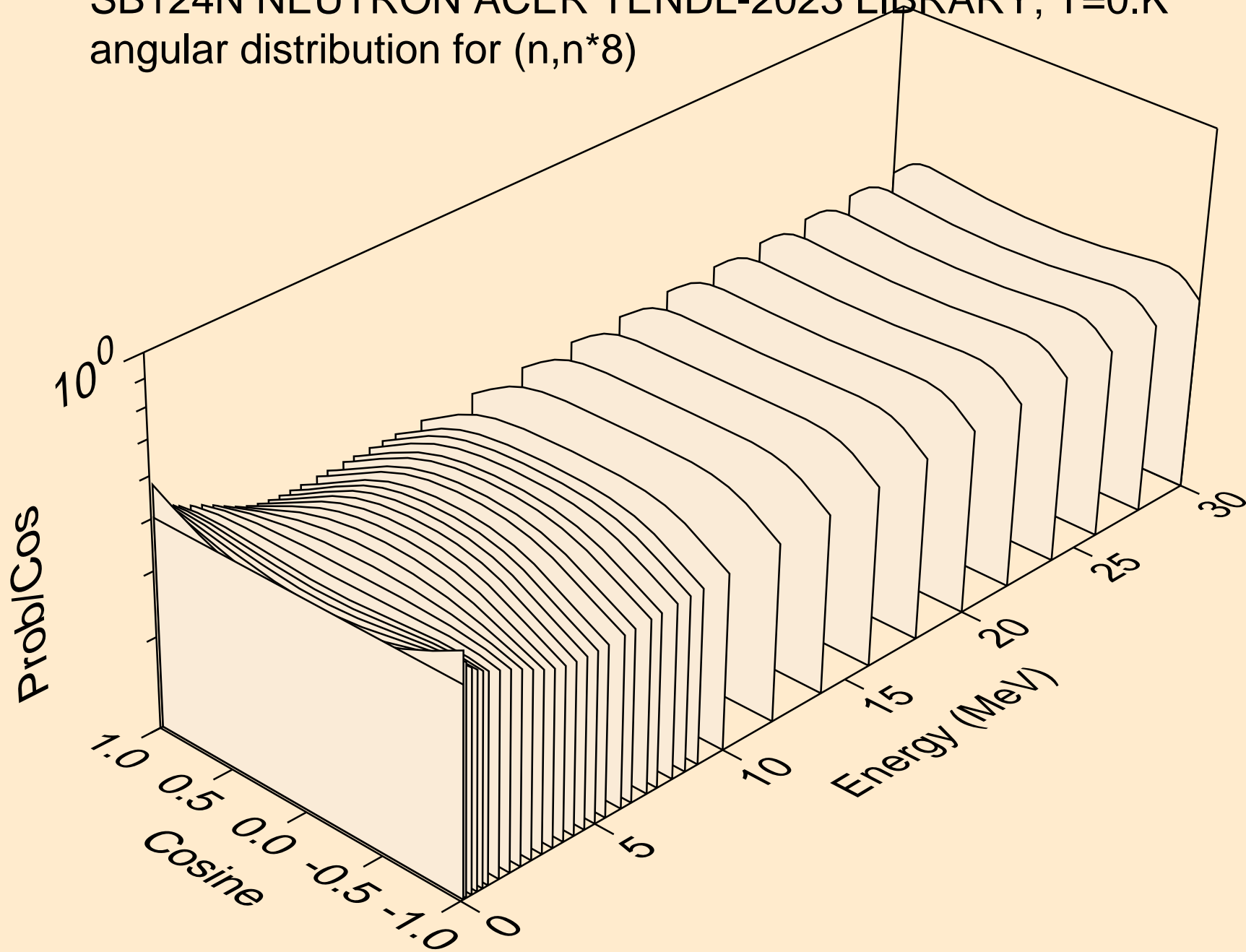
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angular distribution for (n,n\*6)



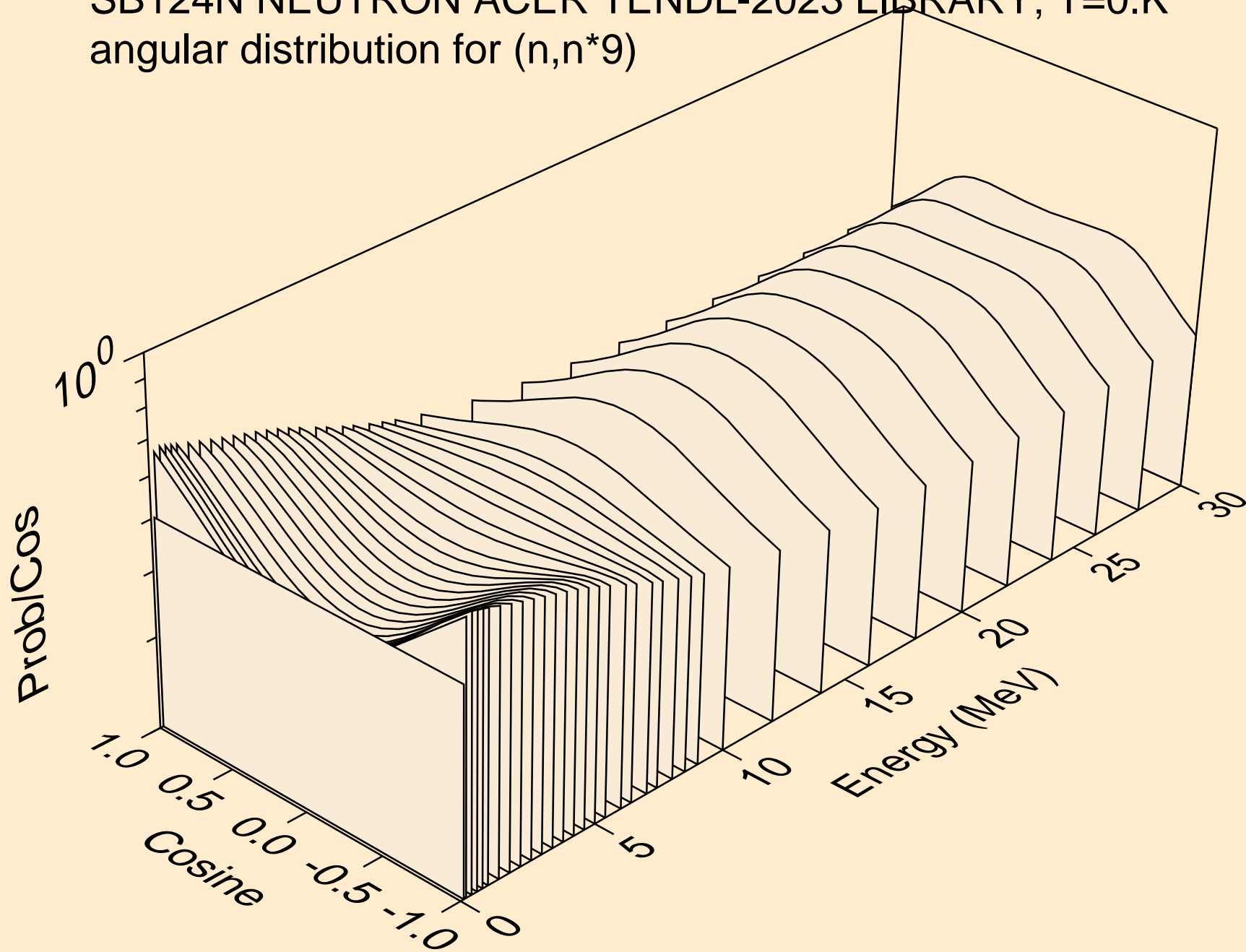
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angular distribution for (n,n\*7)



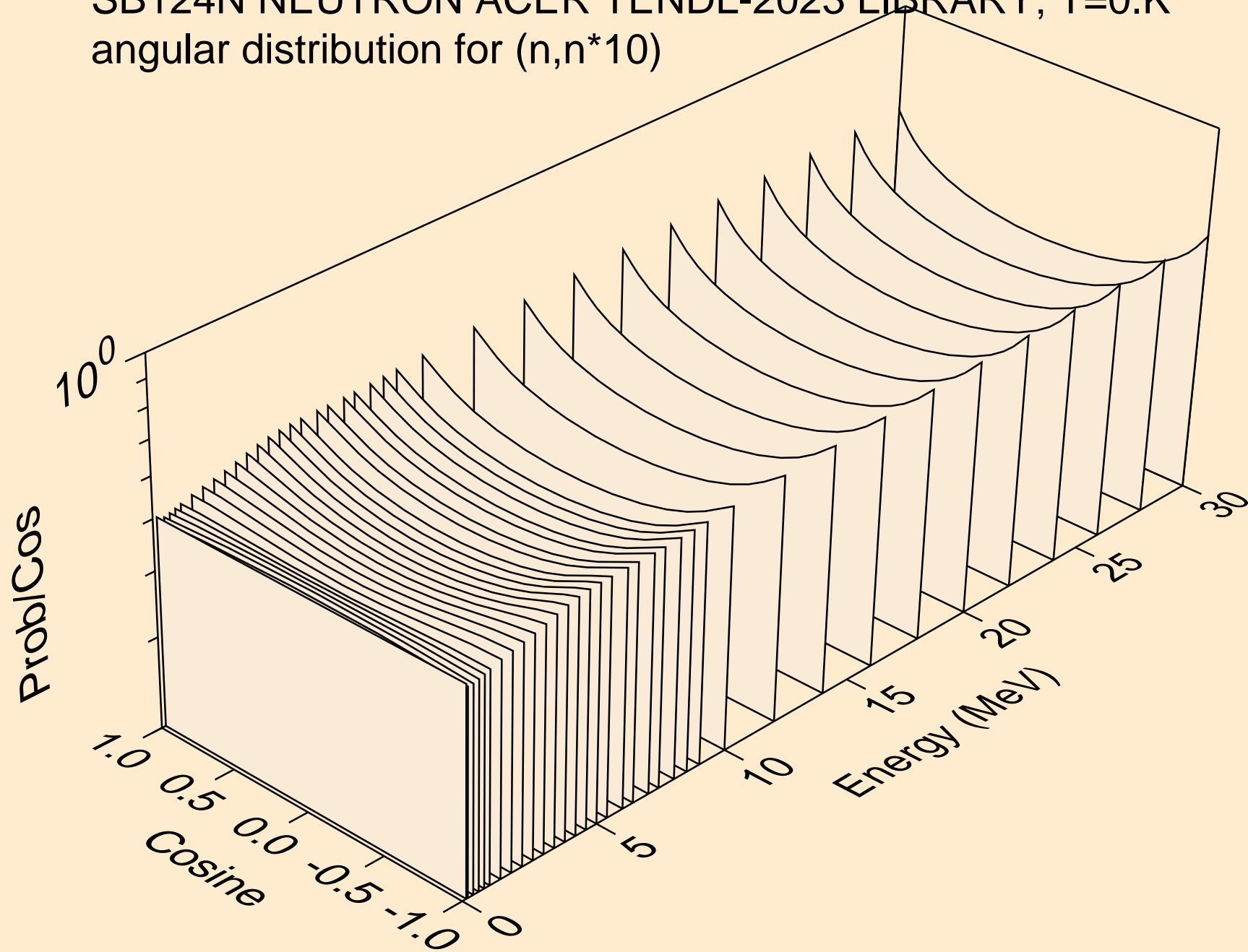
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angular distribution for (n,n\*8)



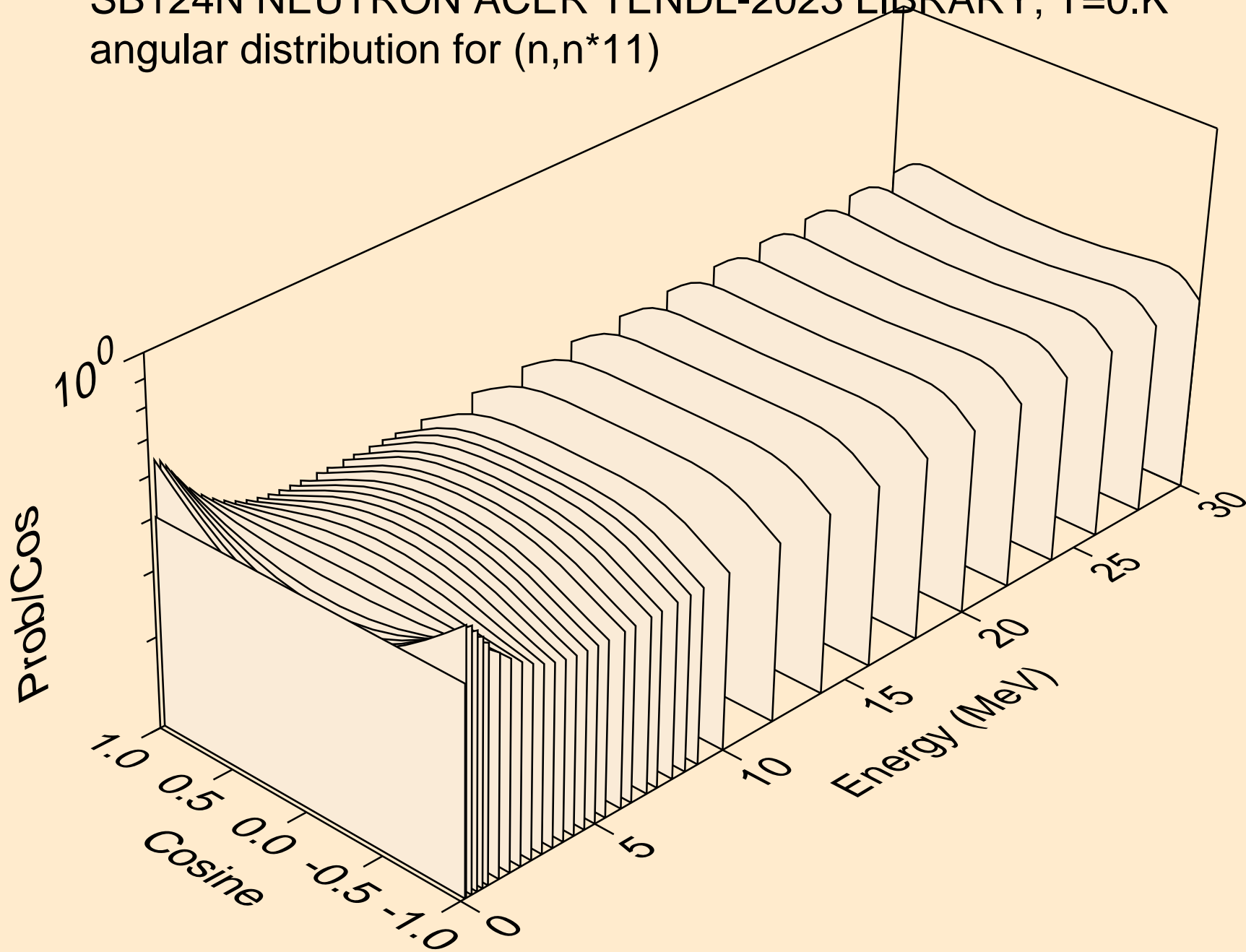
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angular distribution for (n,n\*9)



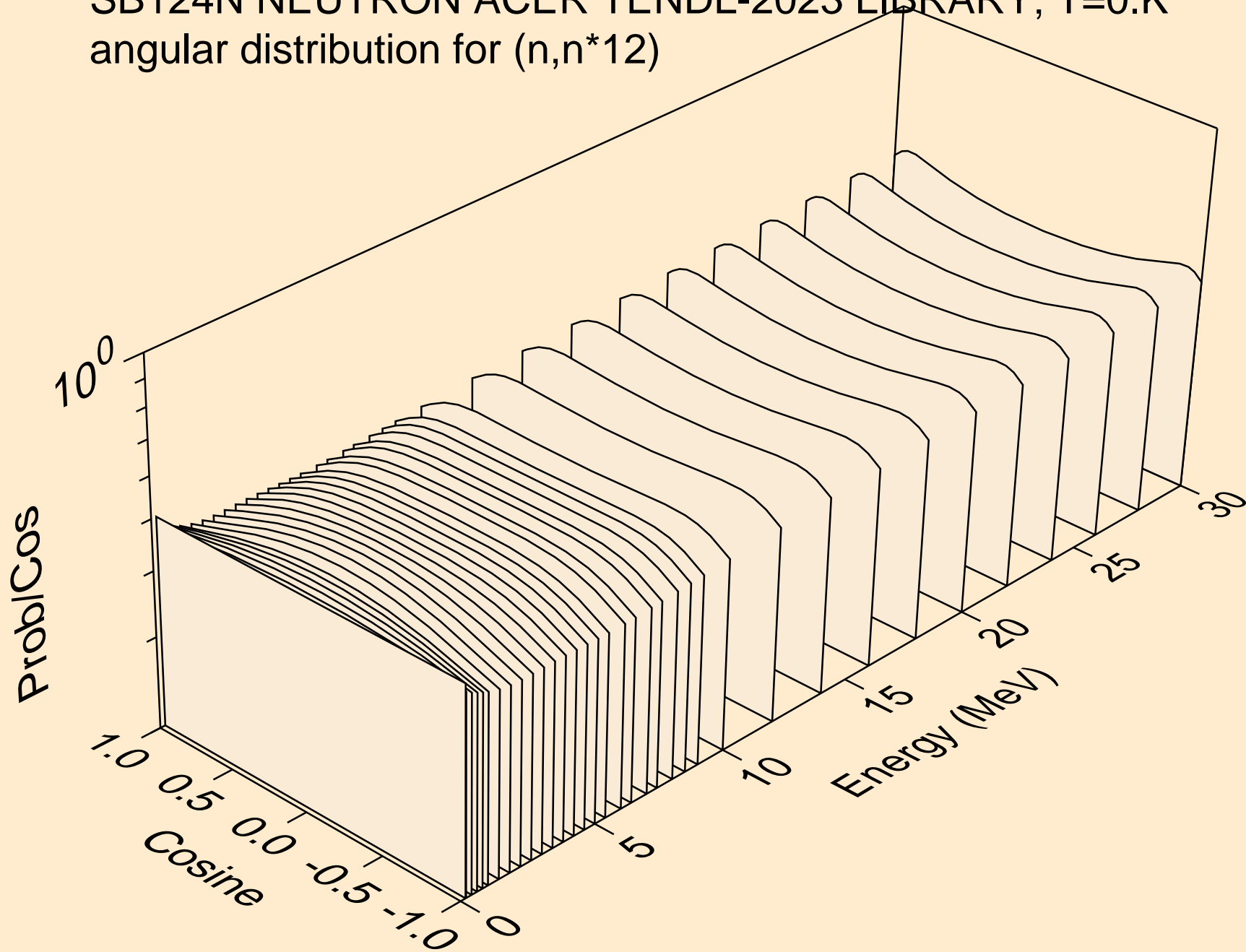
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angular distribution for (n,n\*10)



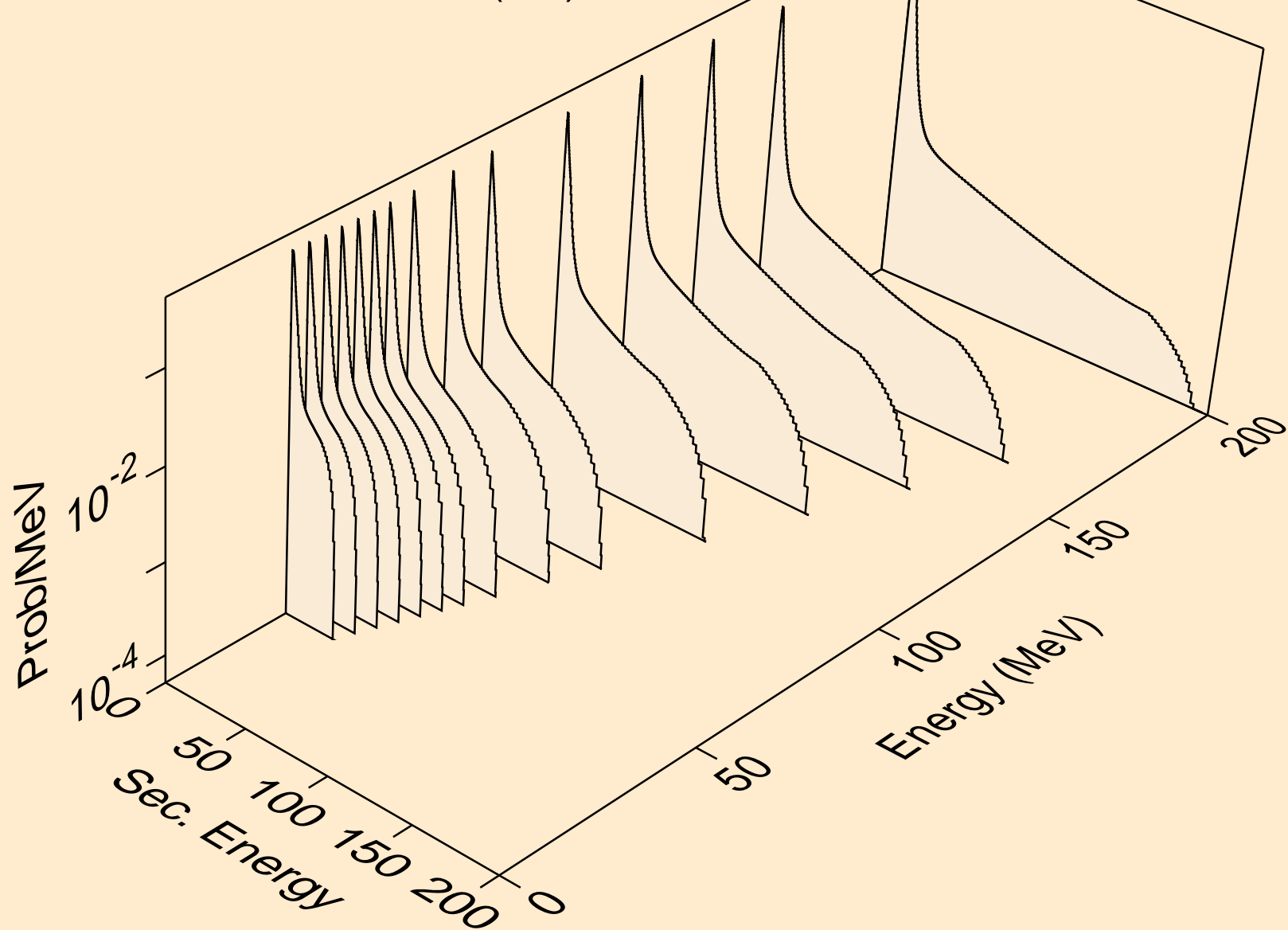
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)

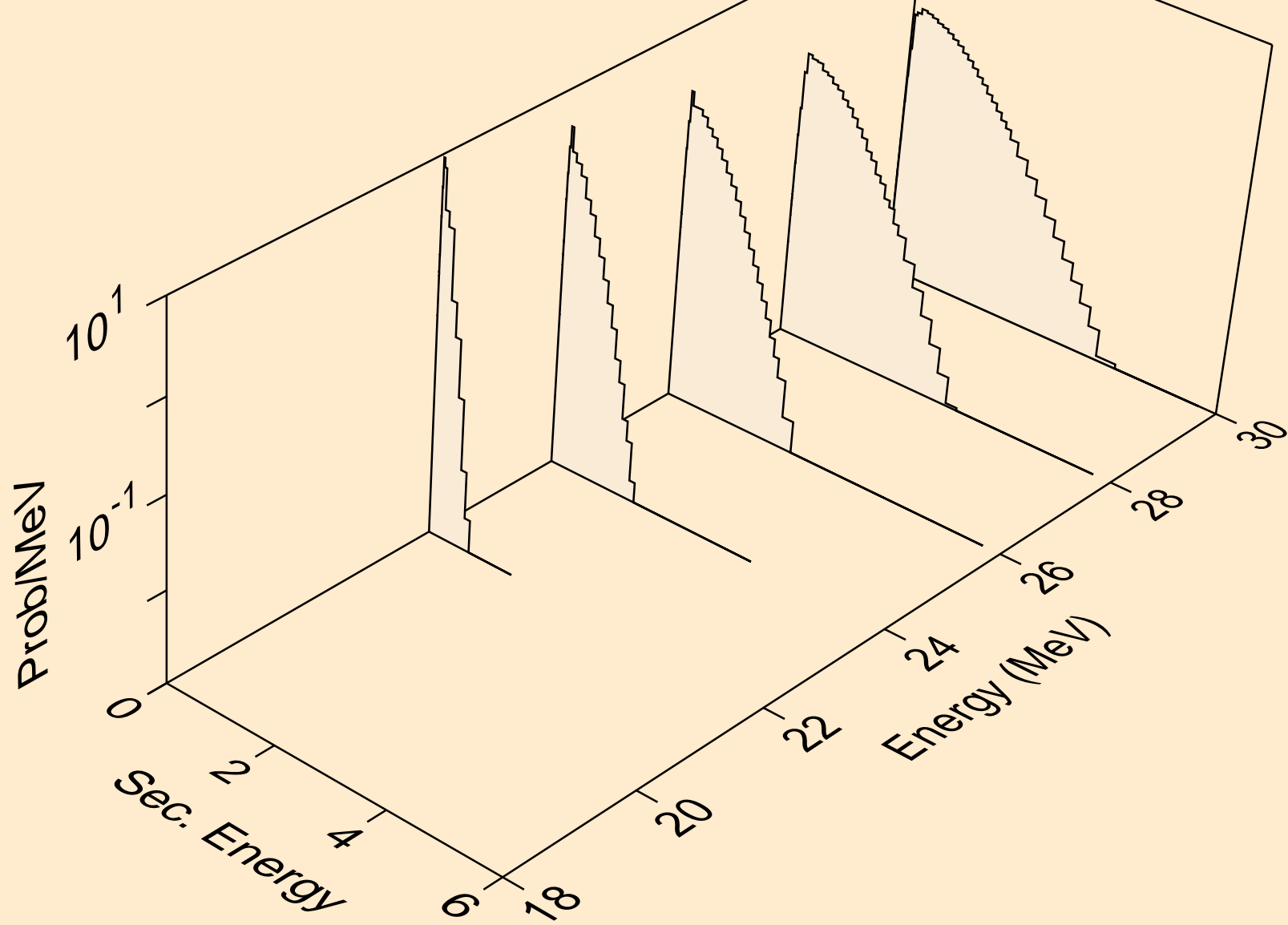


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)

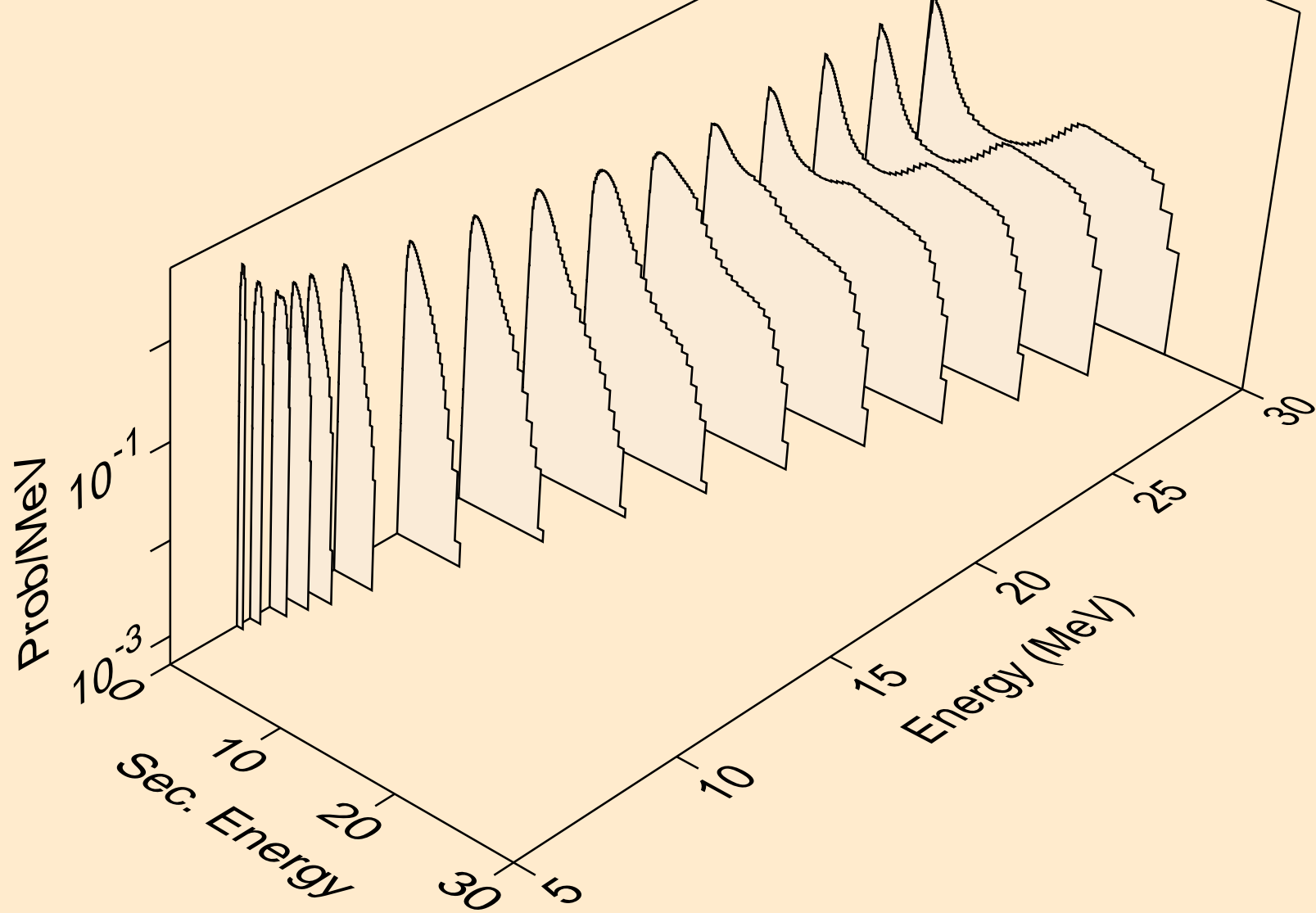




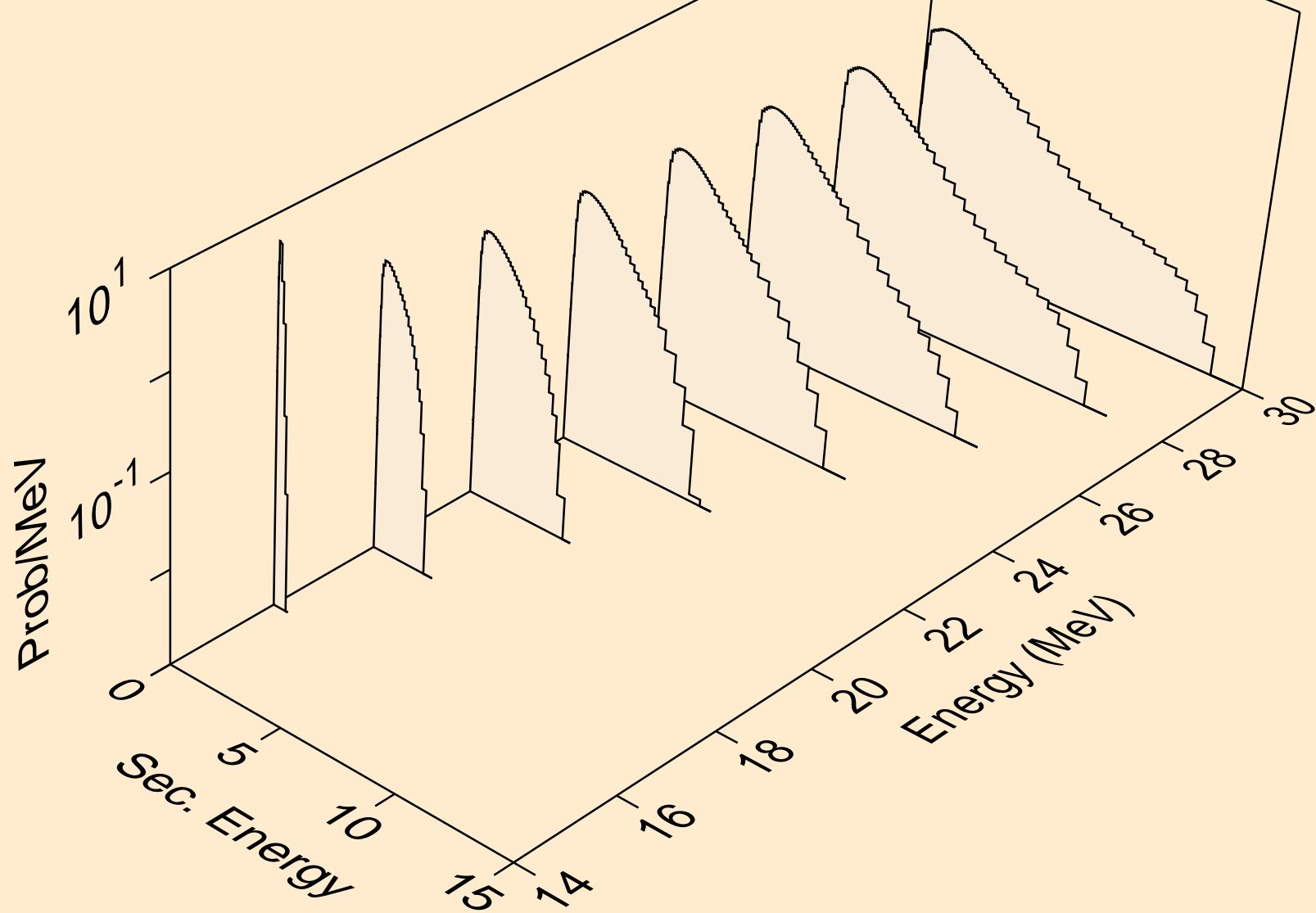
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



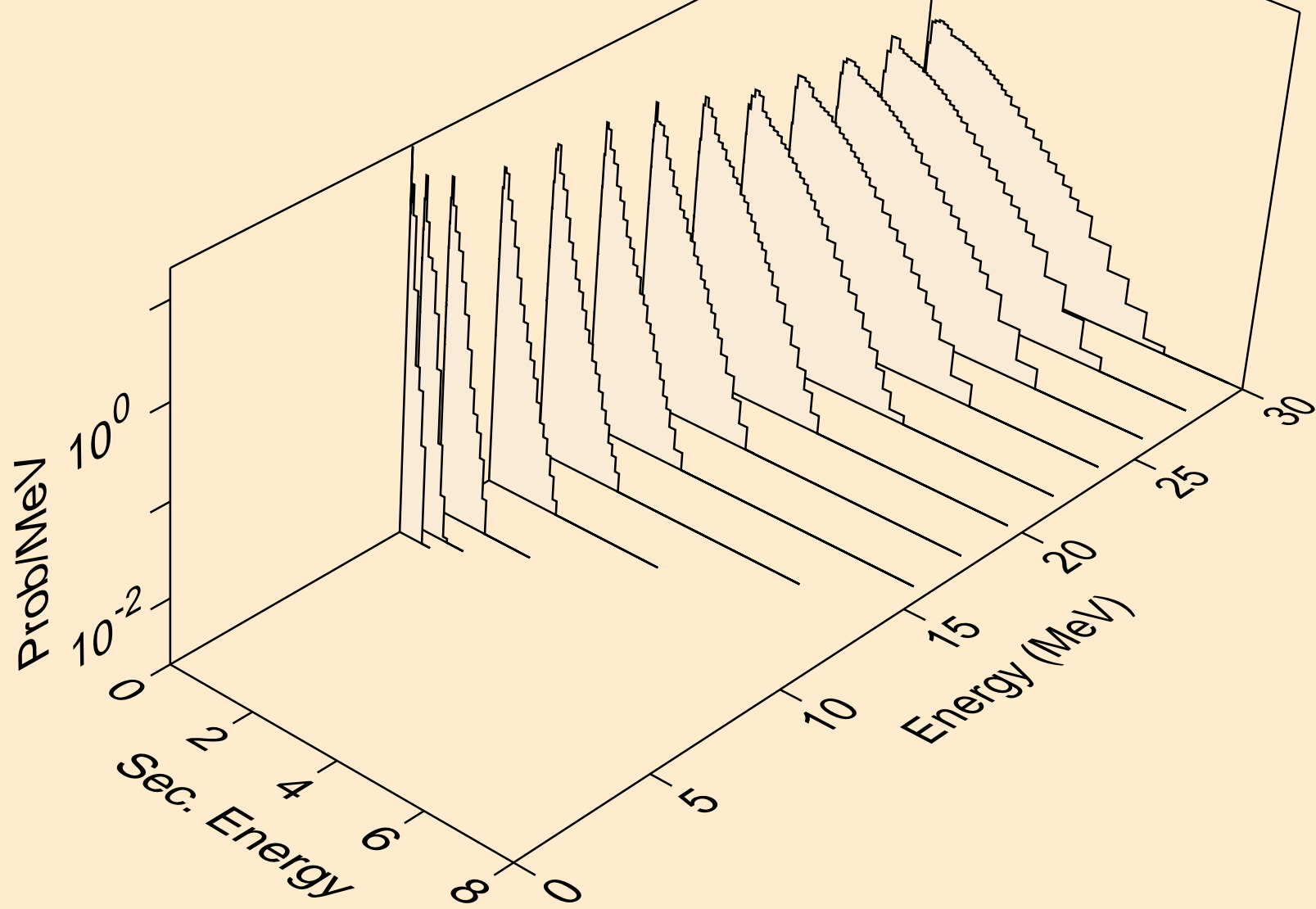
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



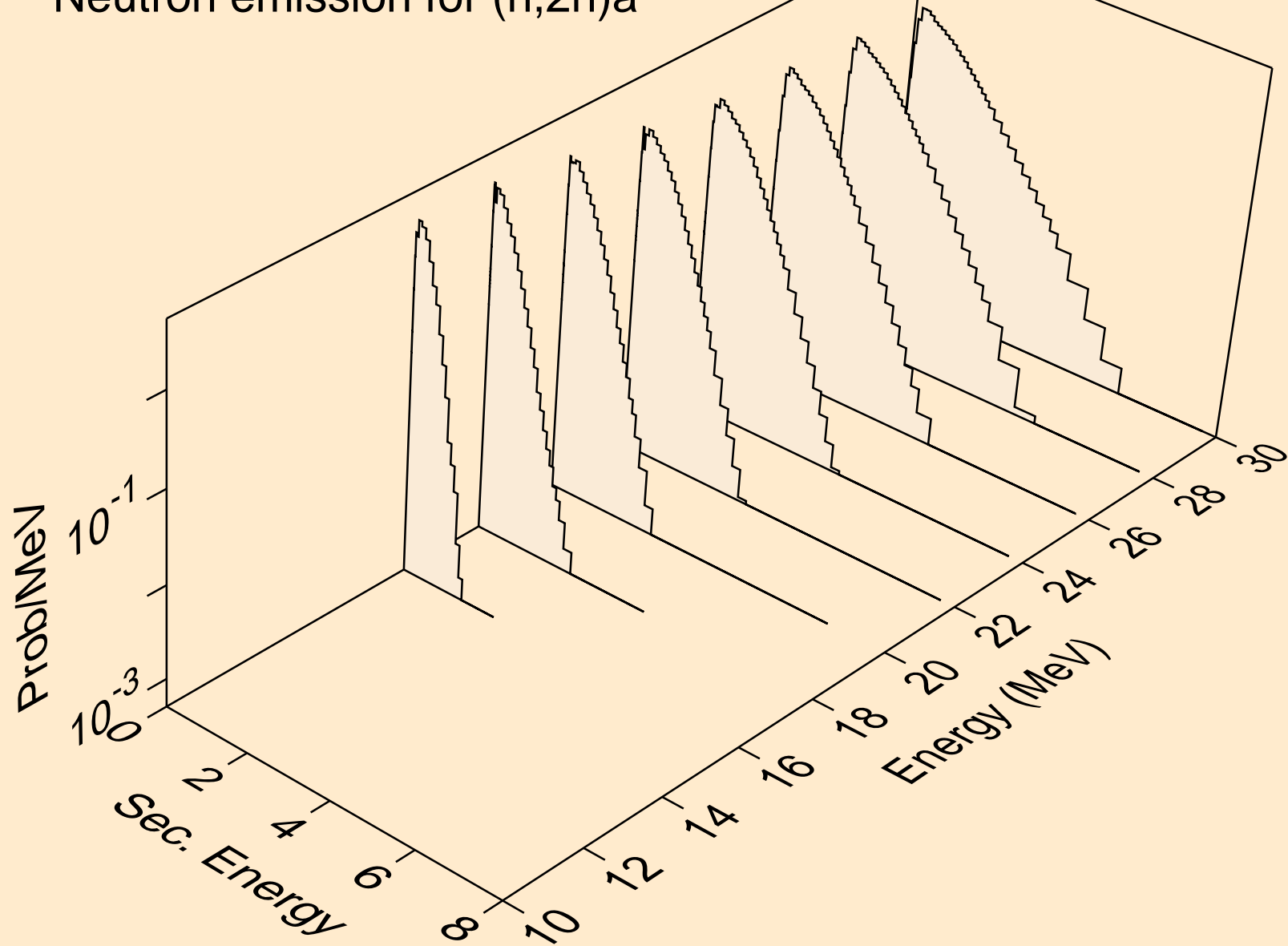
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



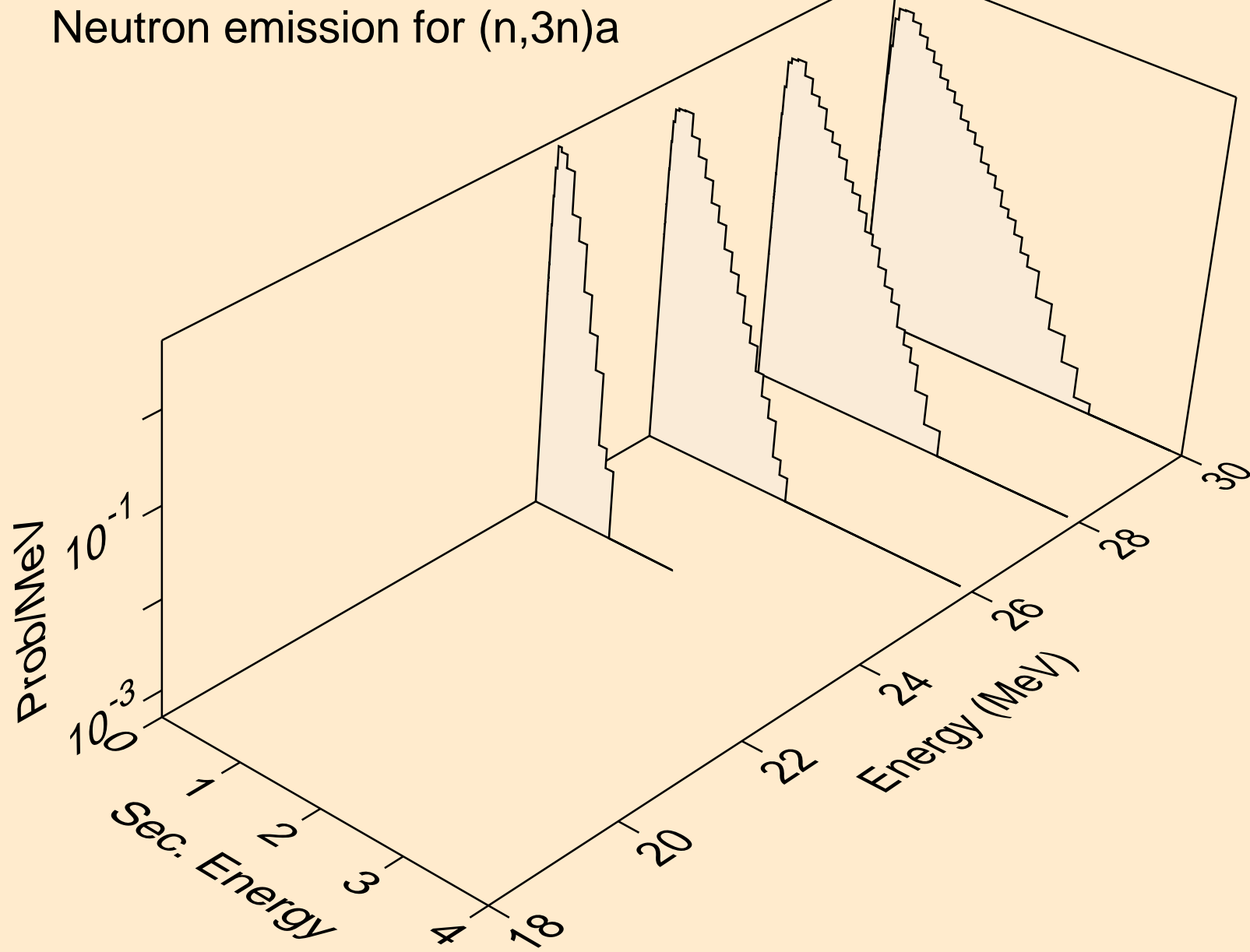
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



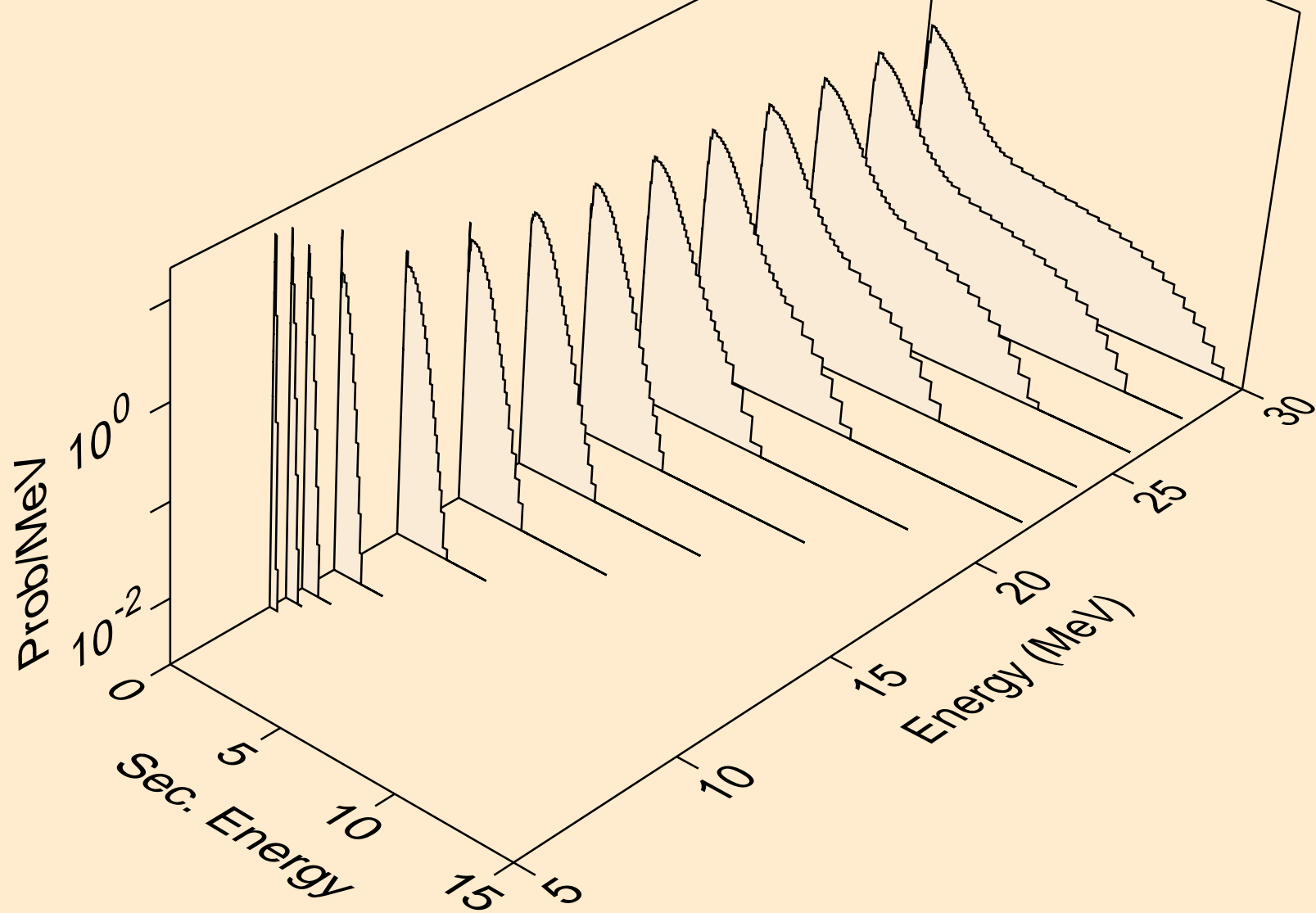
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)<sub>a</sub>



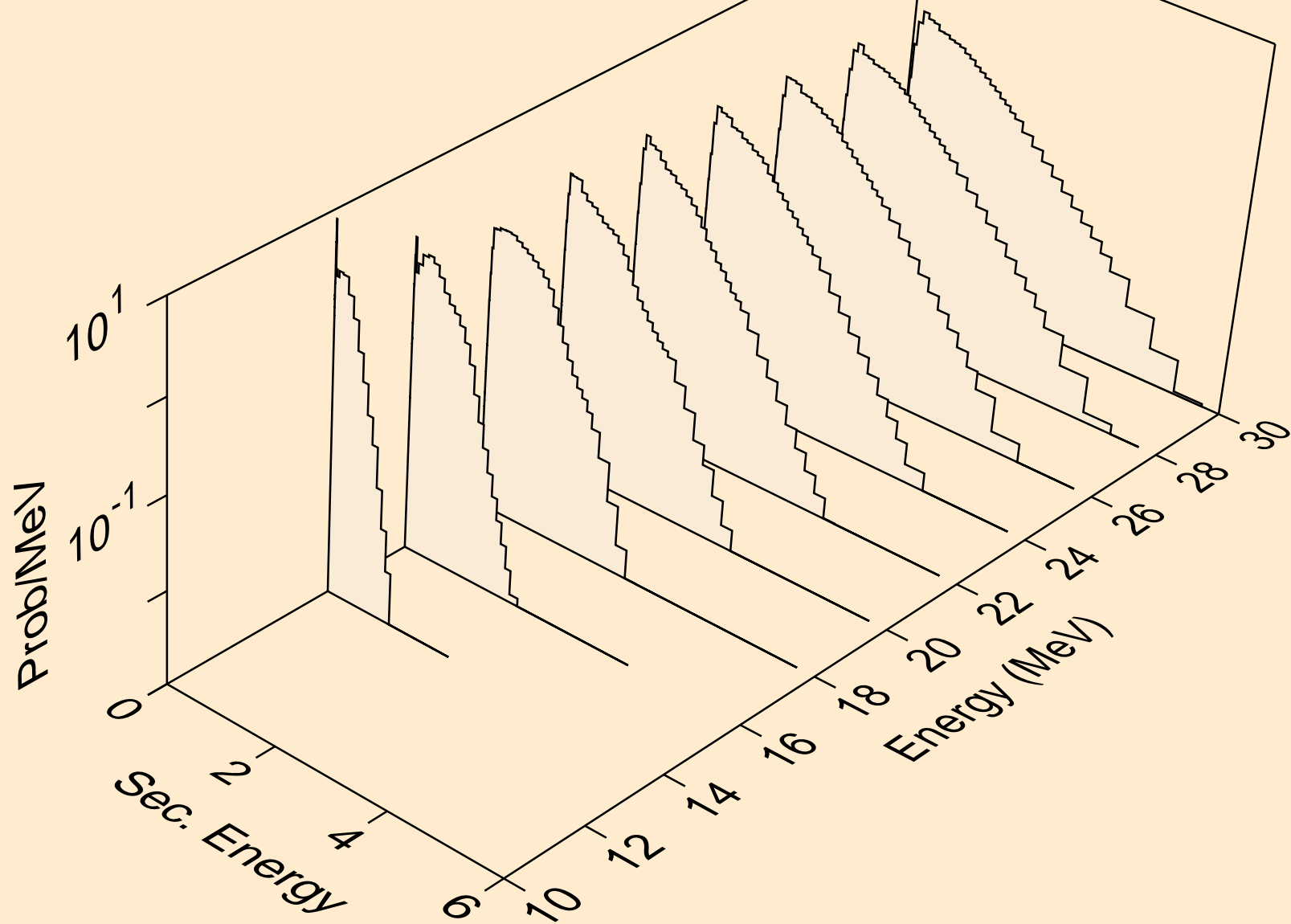
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p

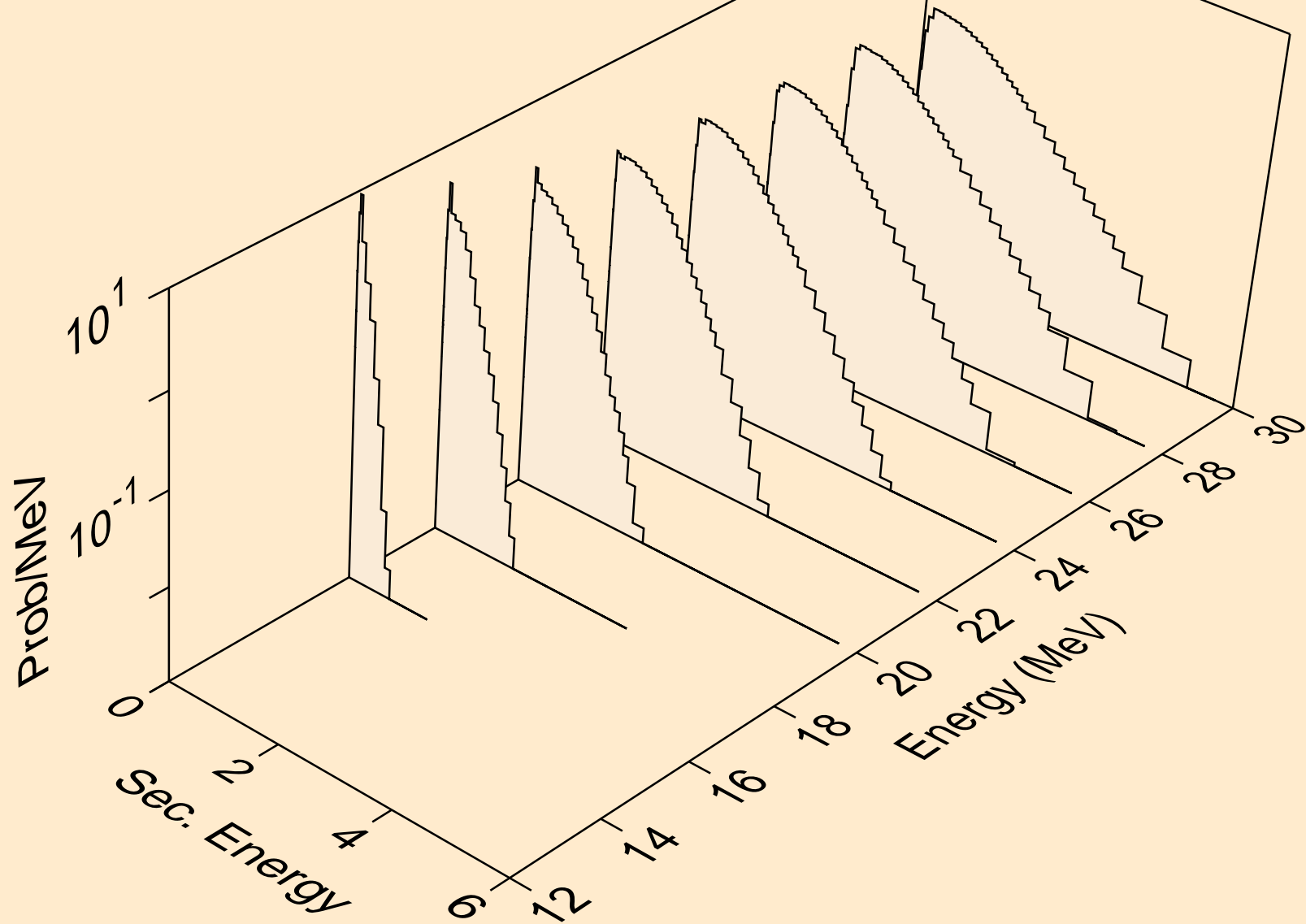


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

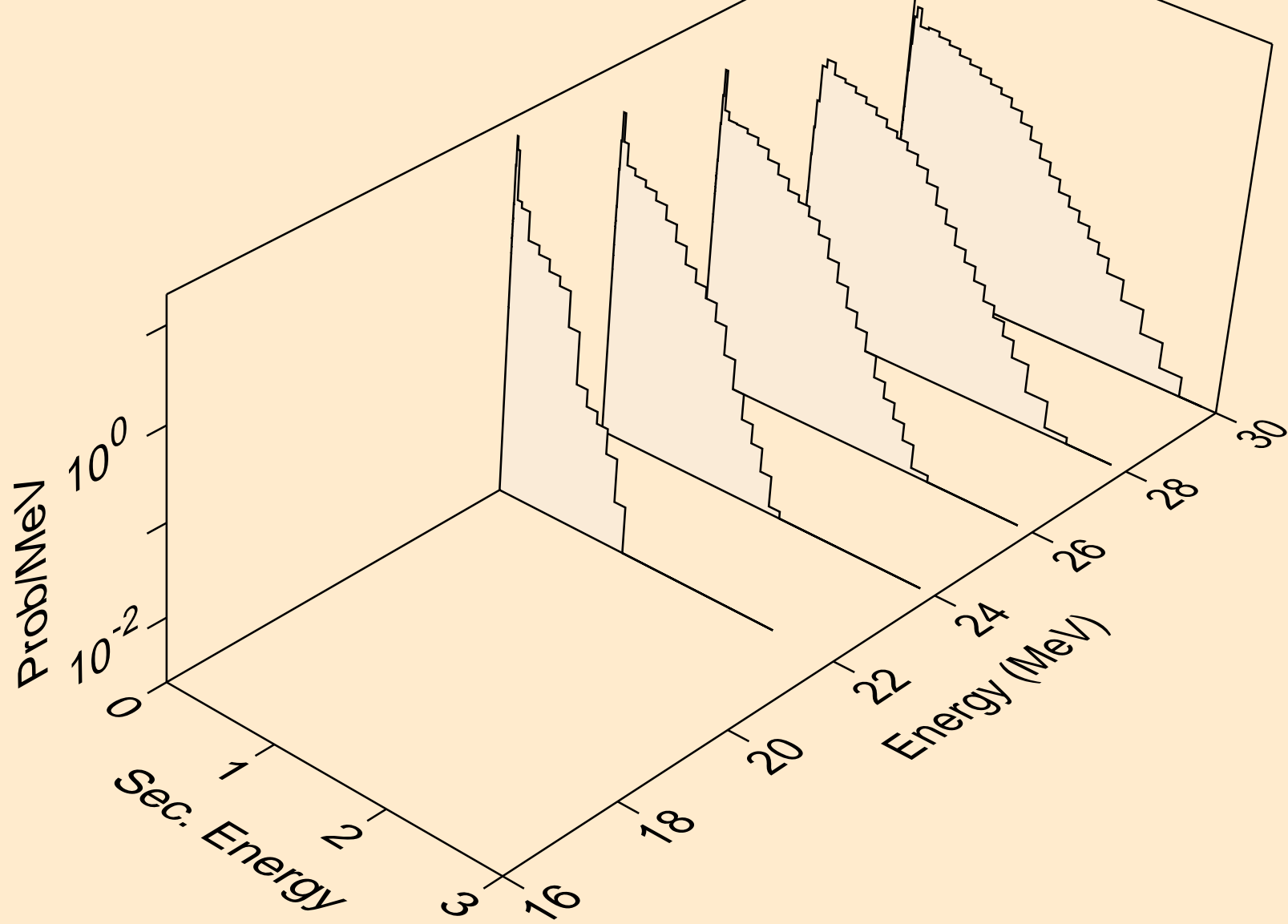




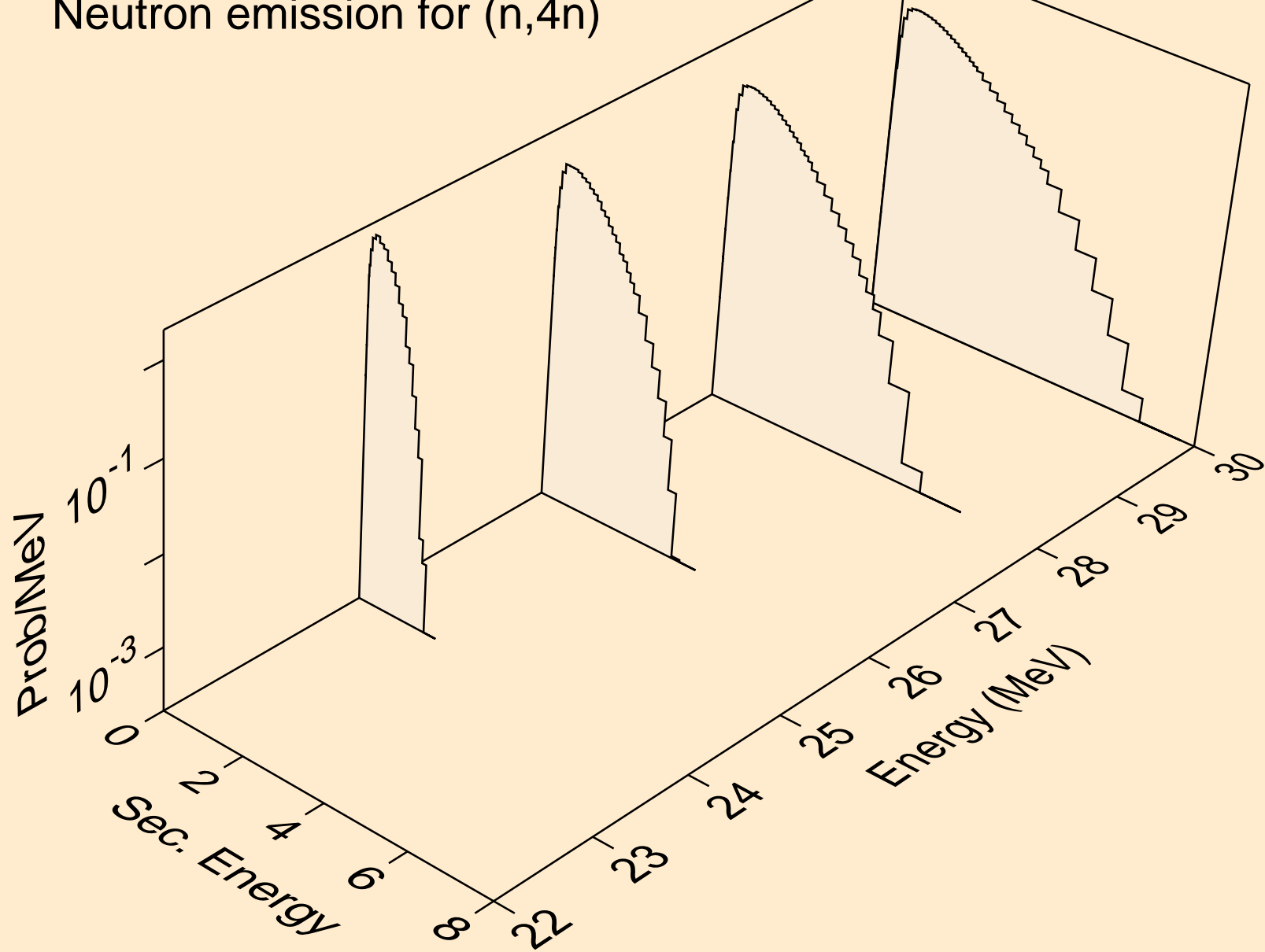
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



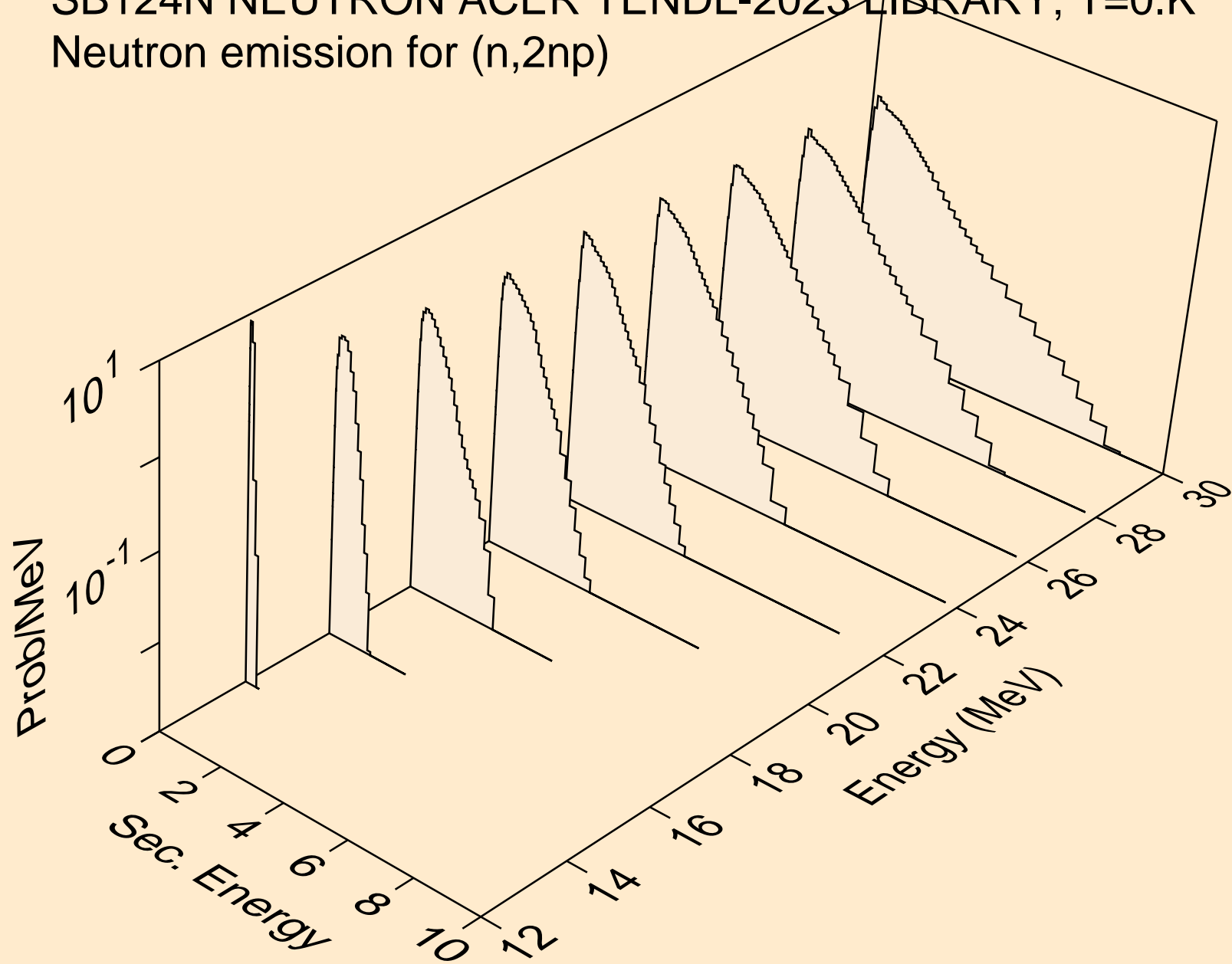
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



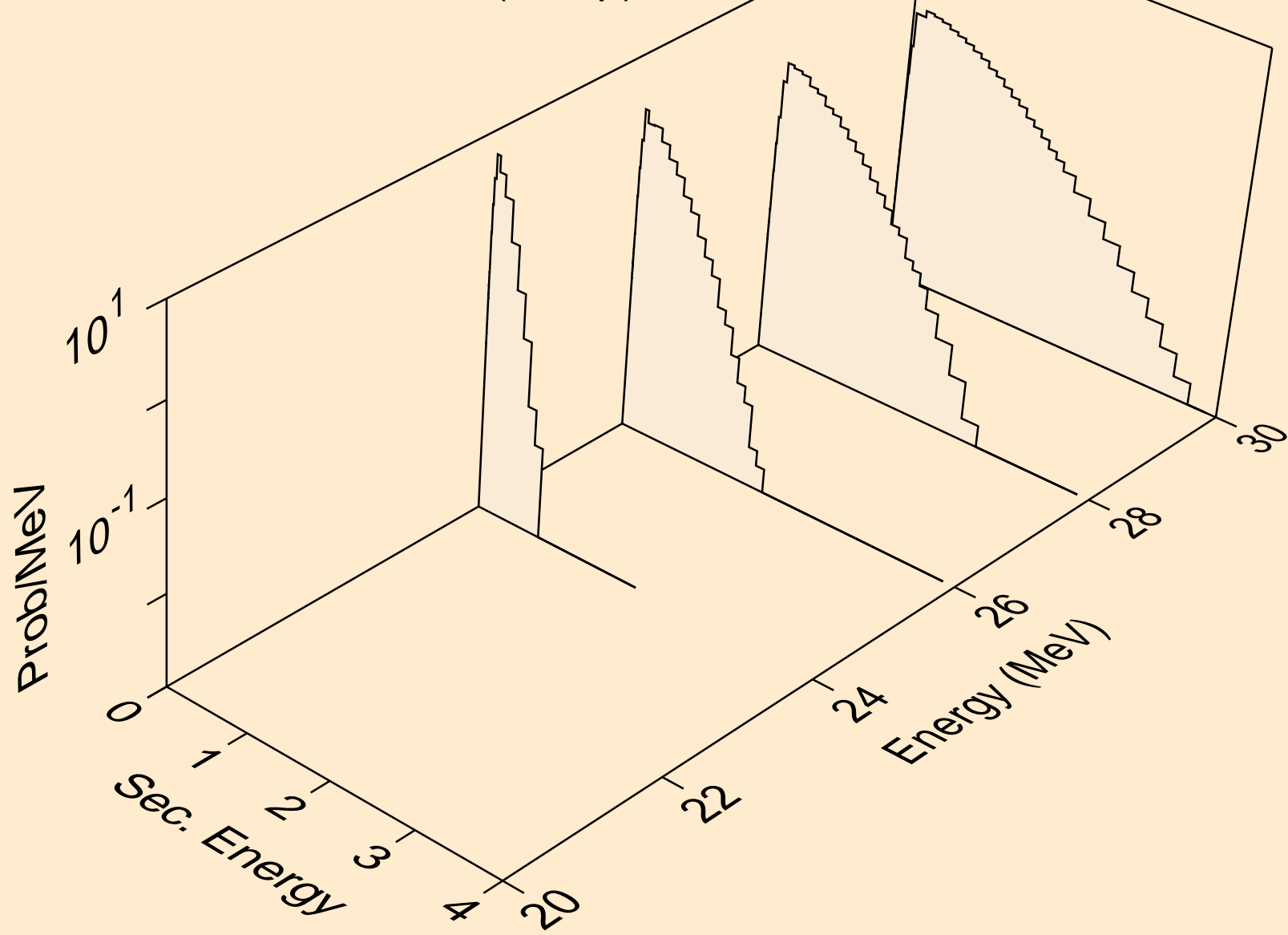
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Neutron emission for (n,4n)



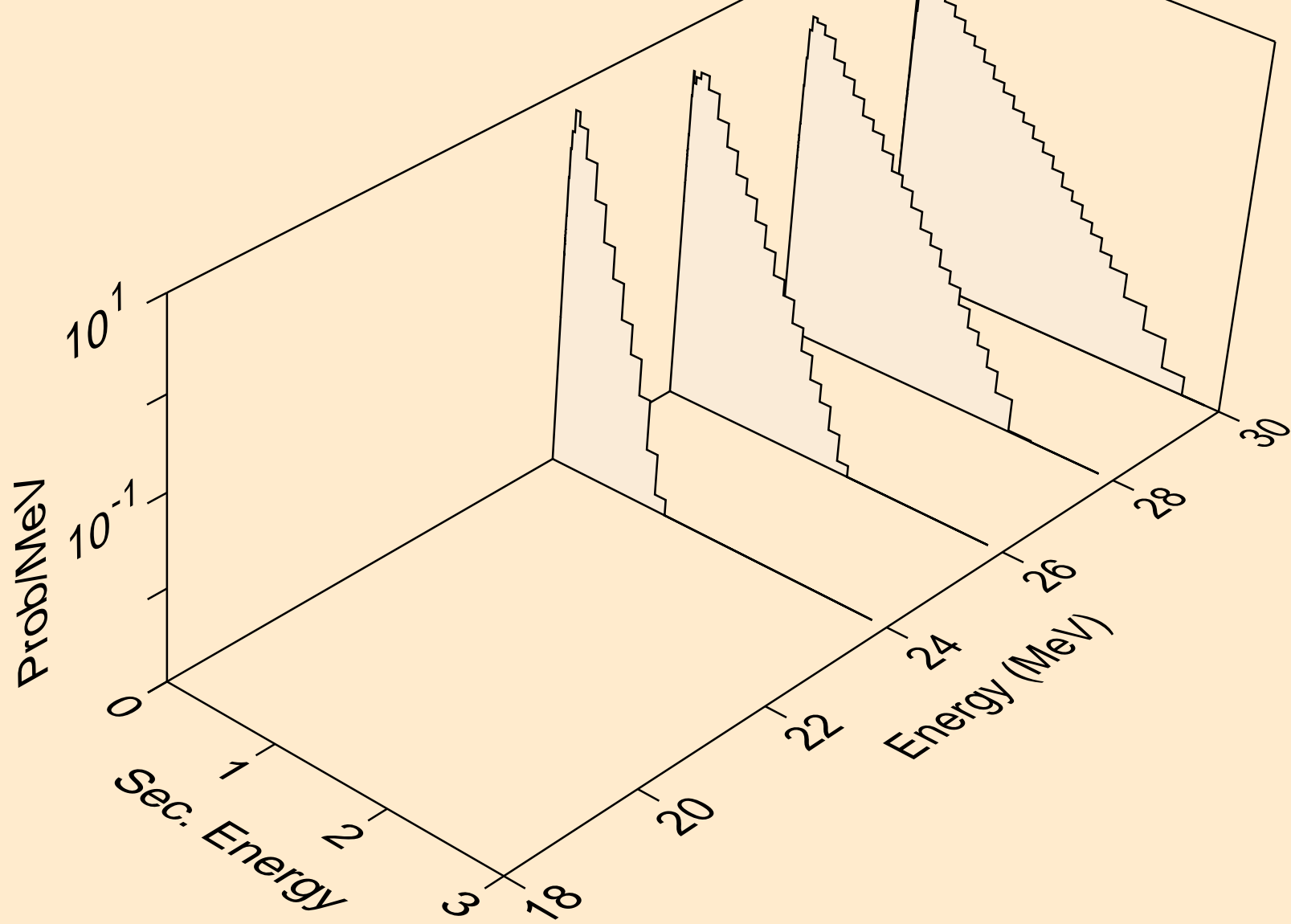
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



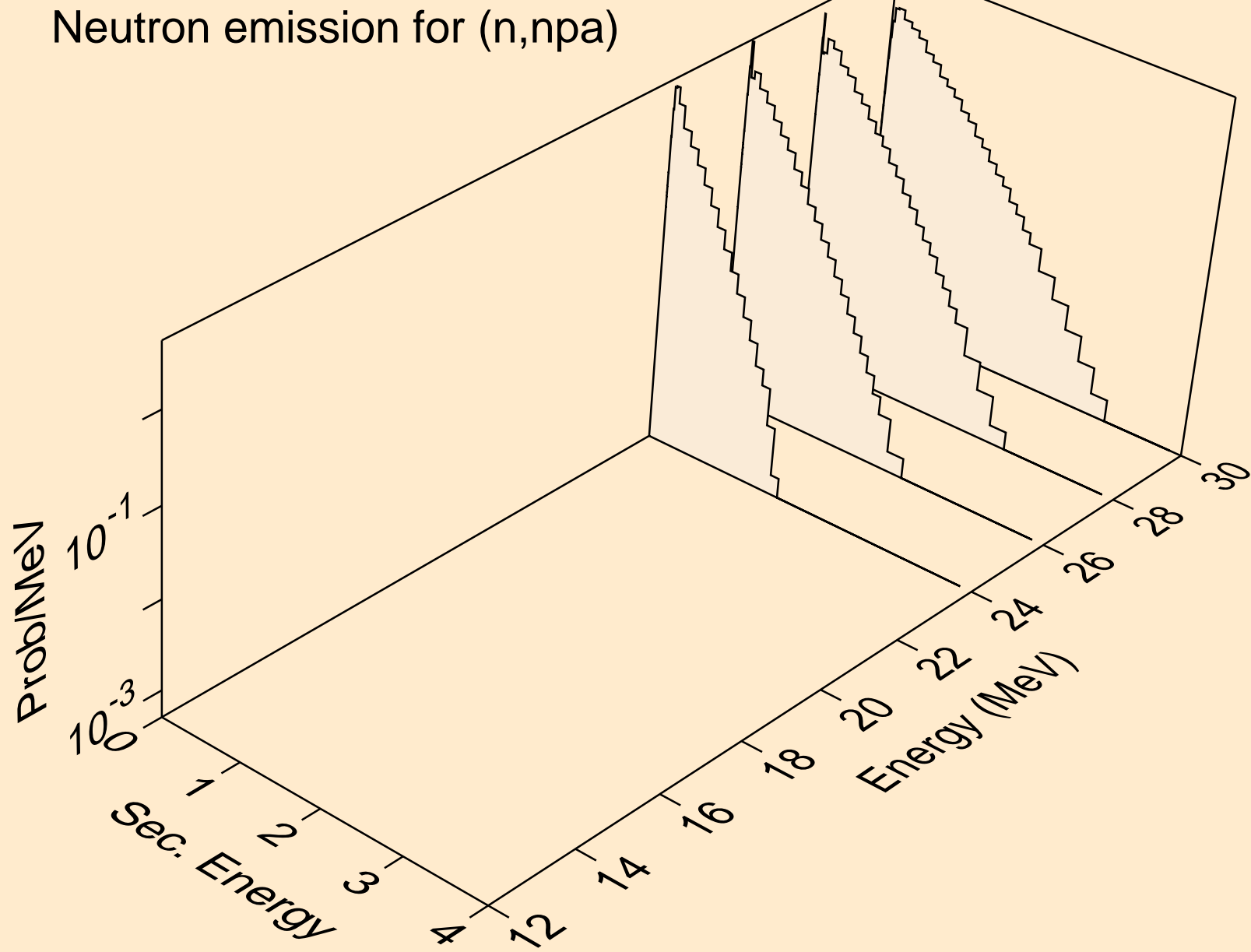
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Neutron emission for (n,3np)



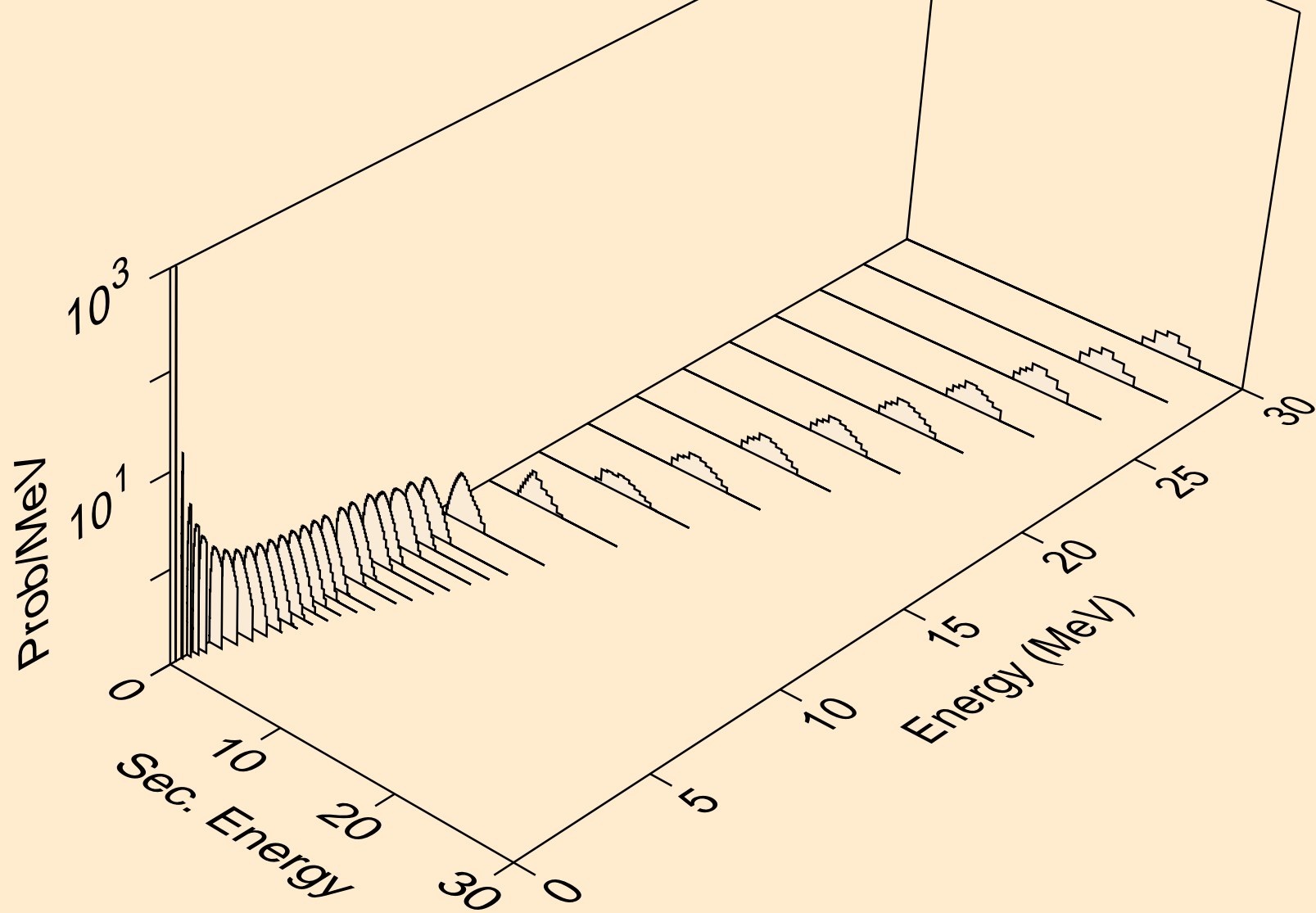
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)

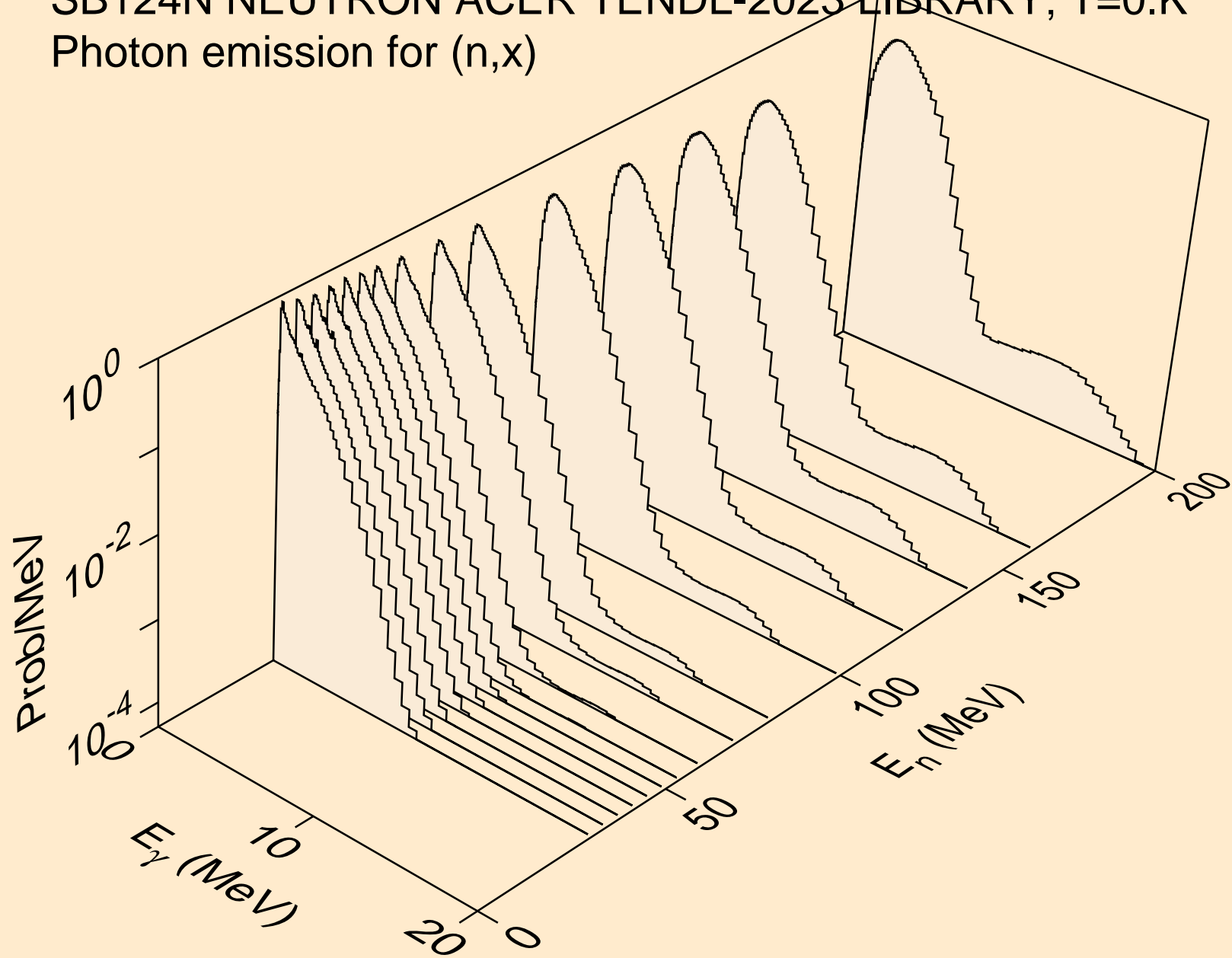


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)

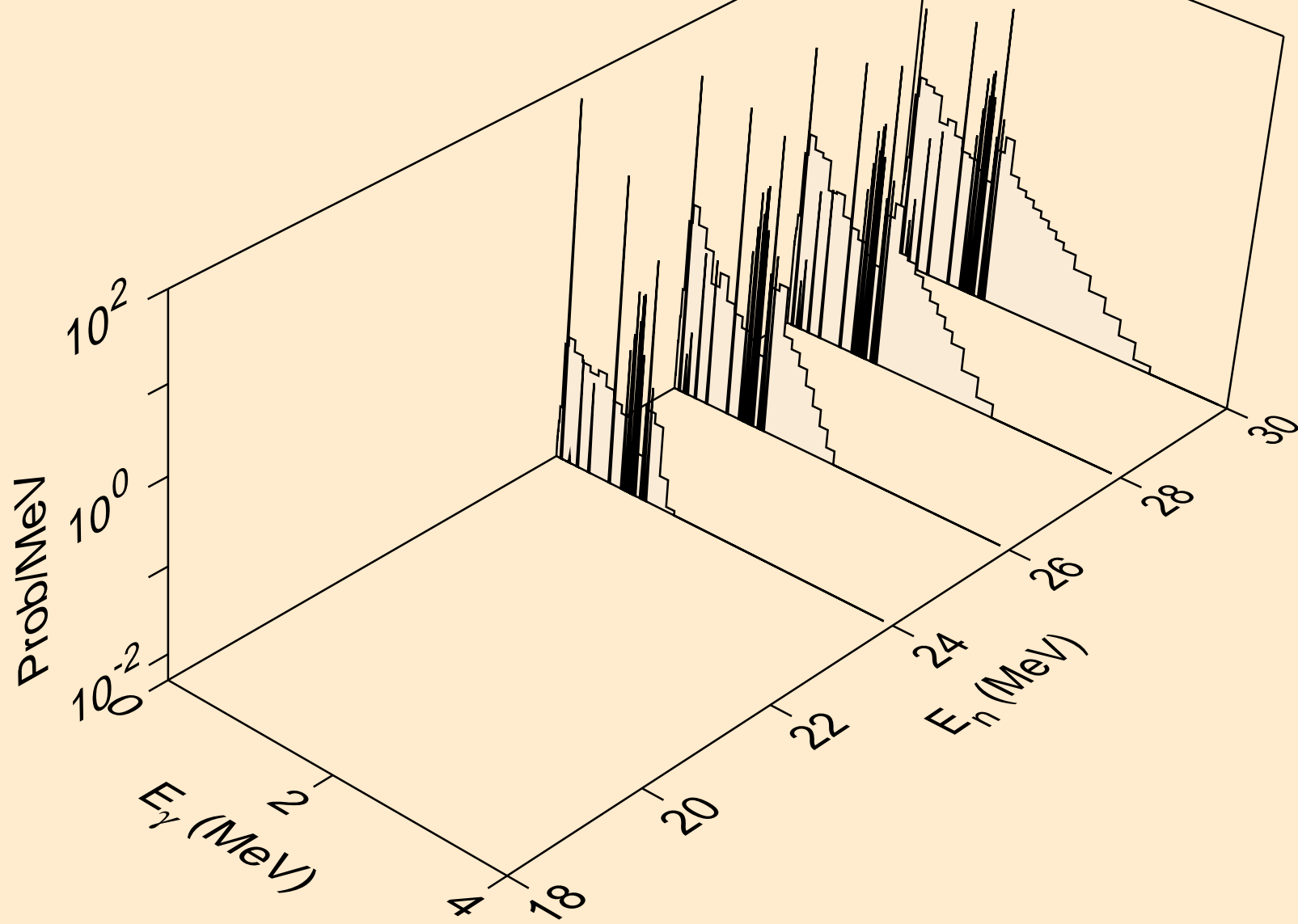




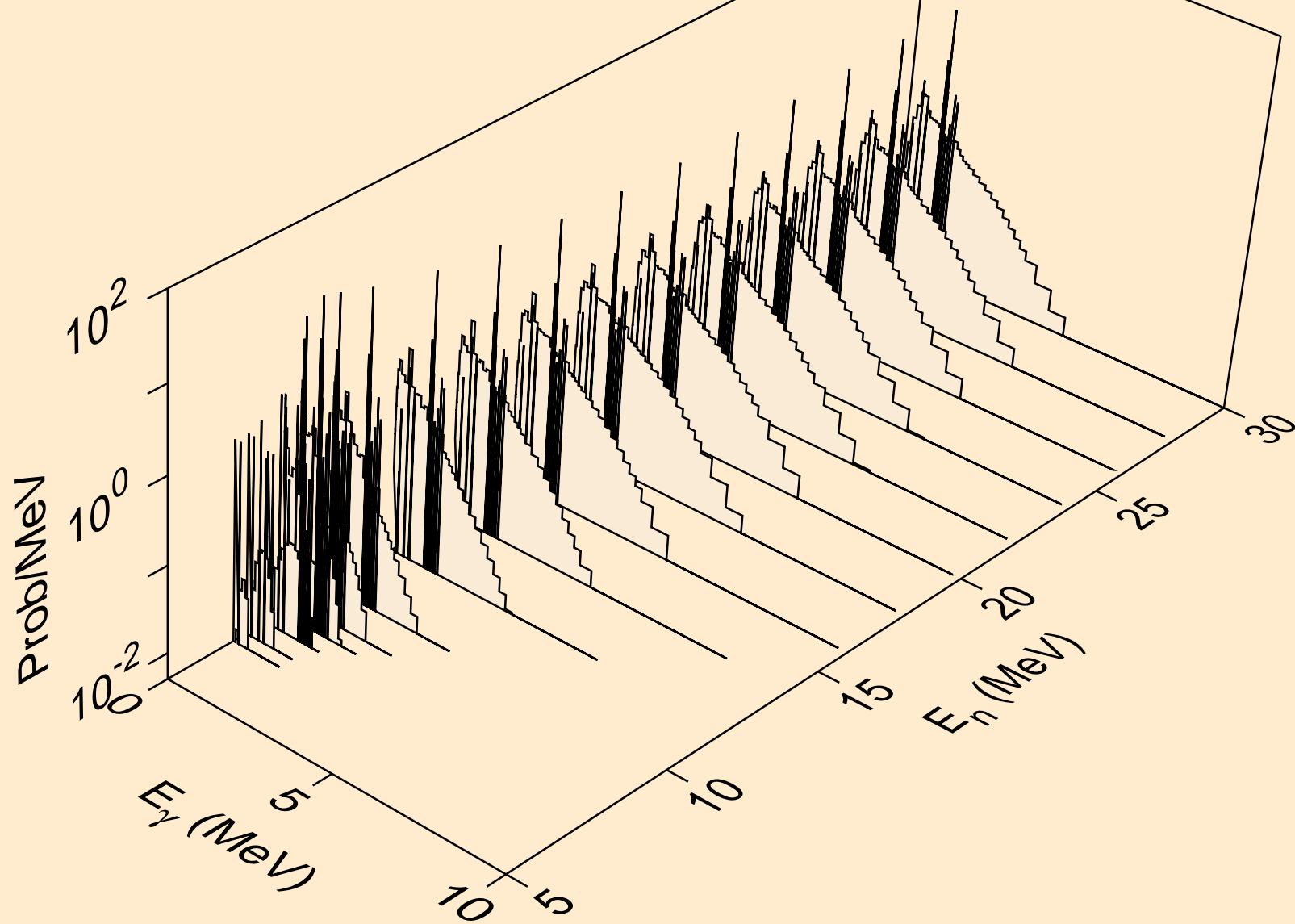
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



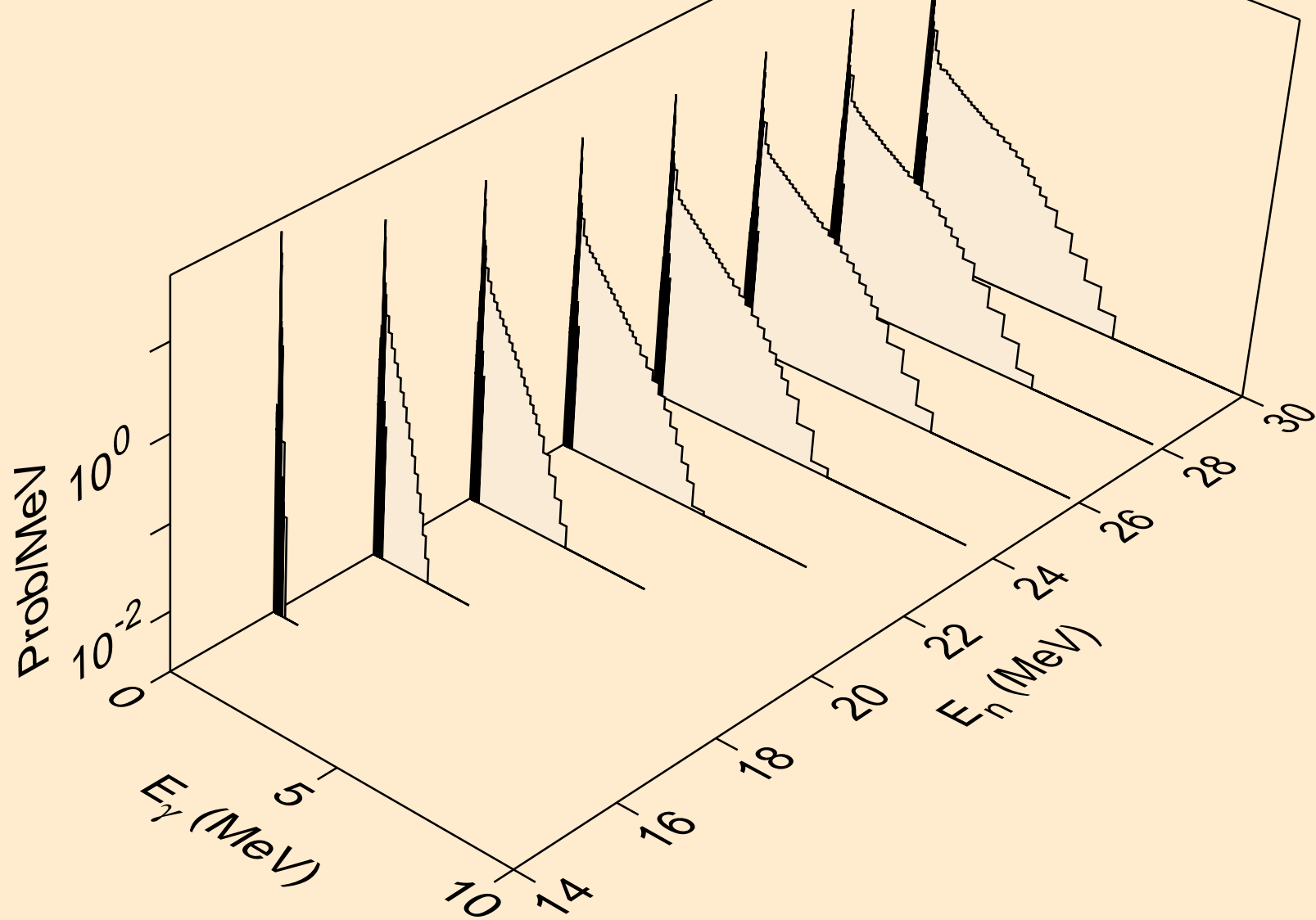
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



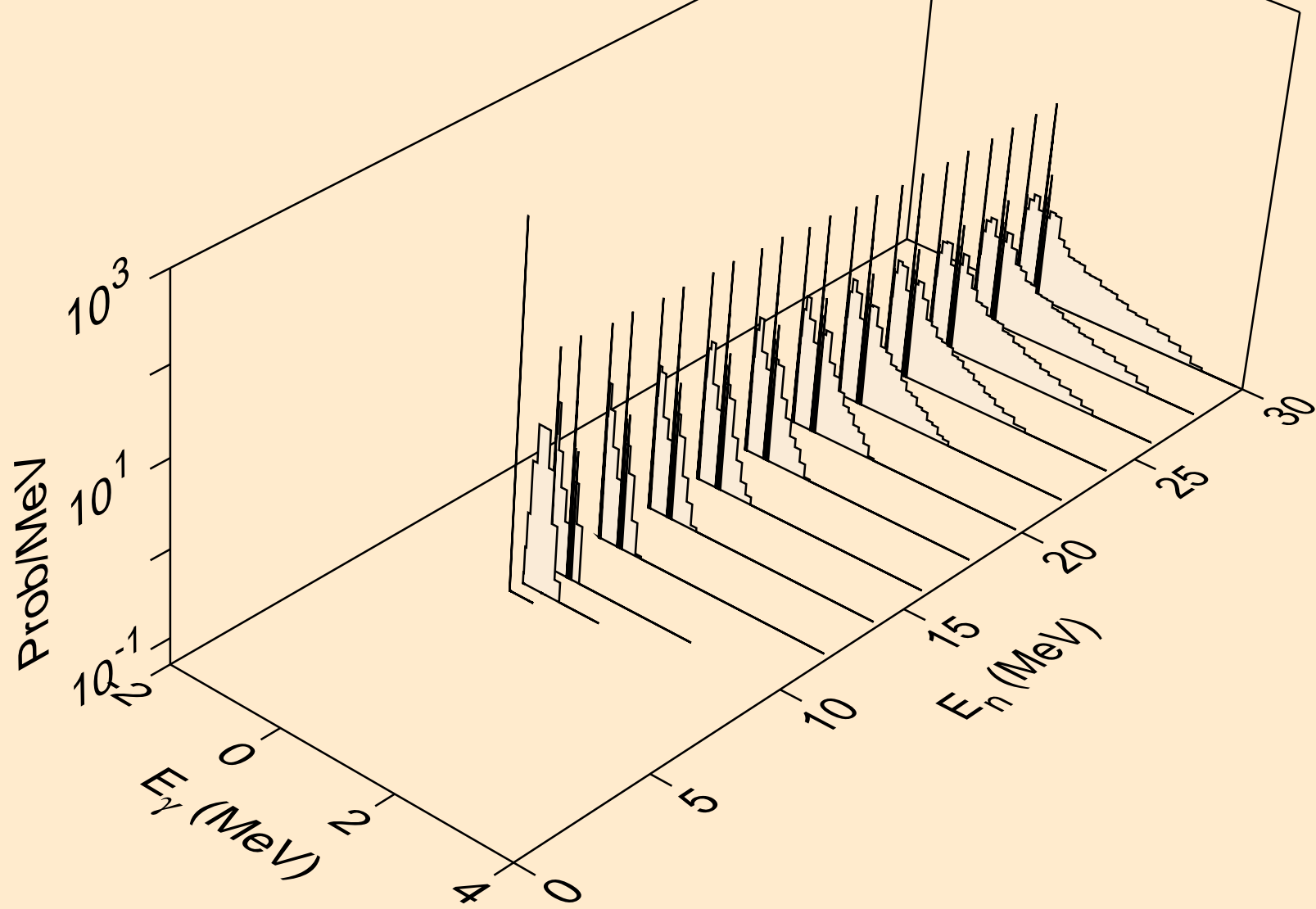
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



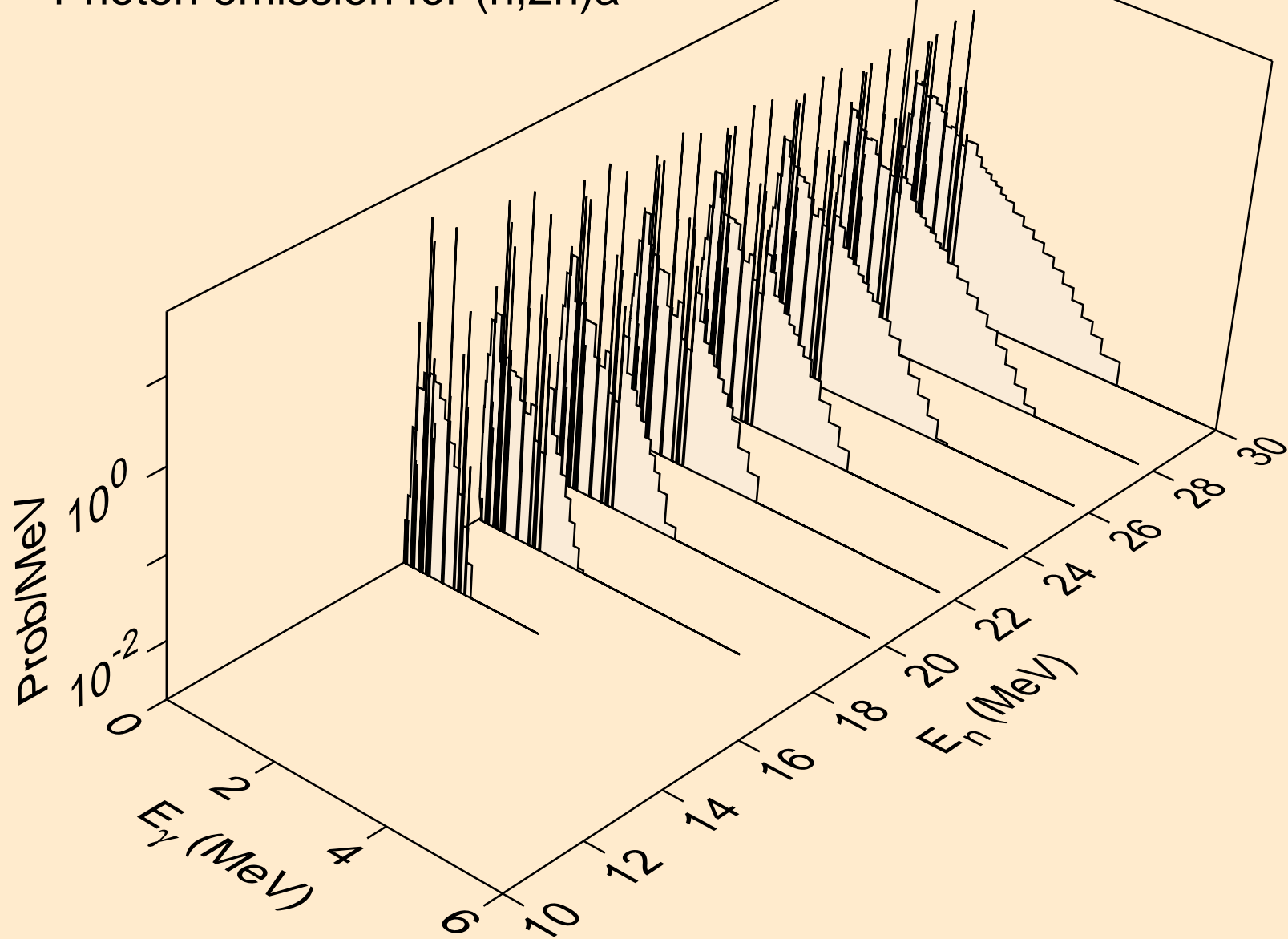
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



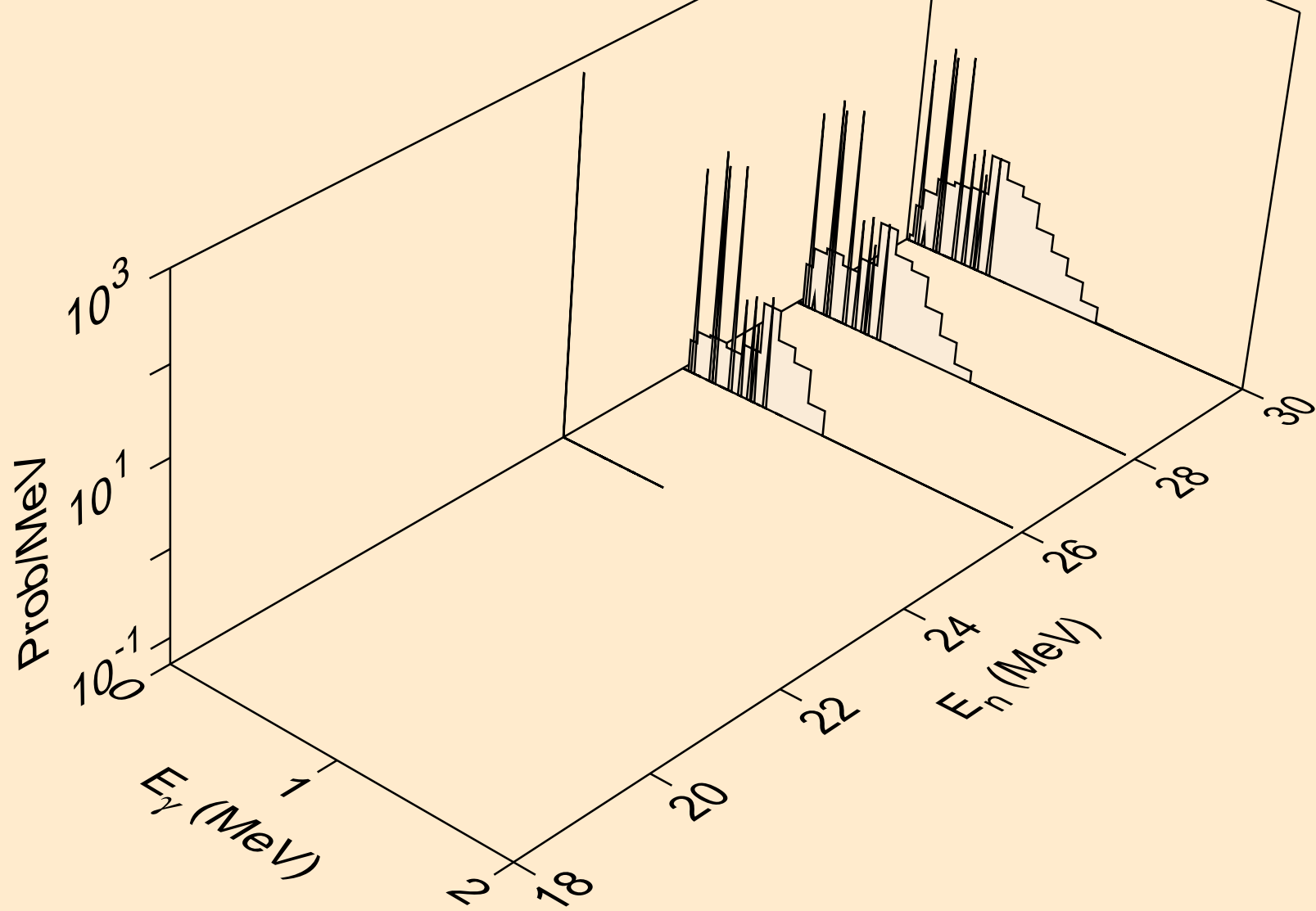
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



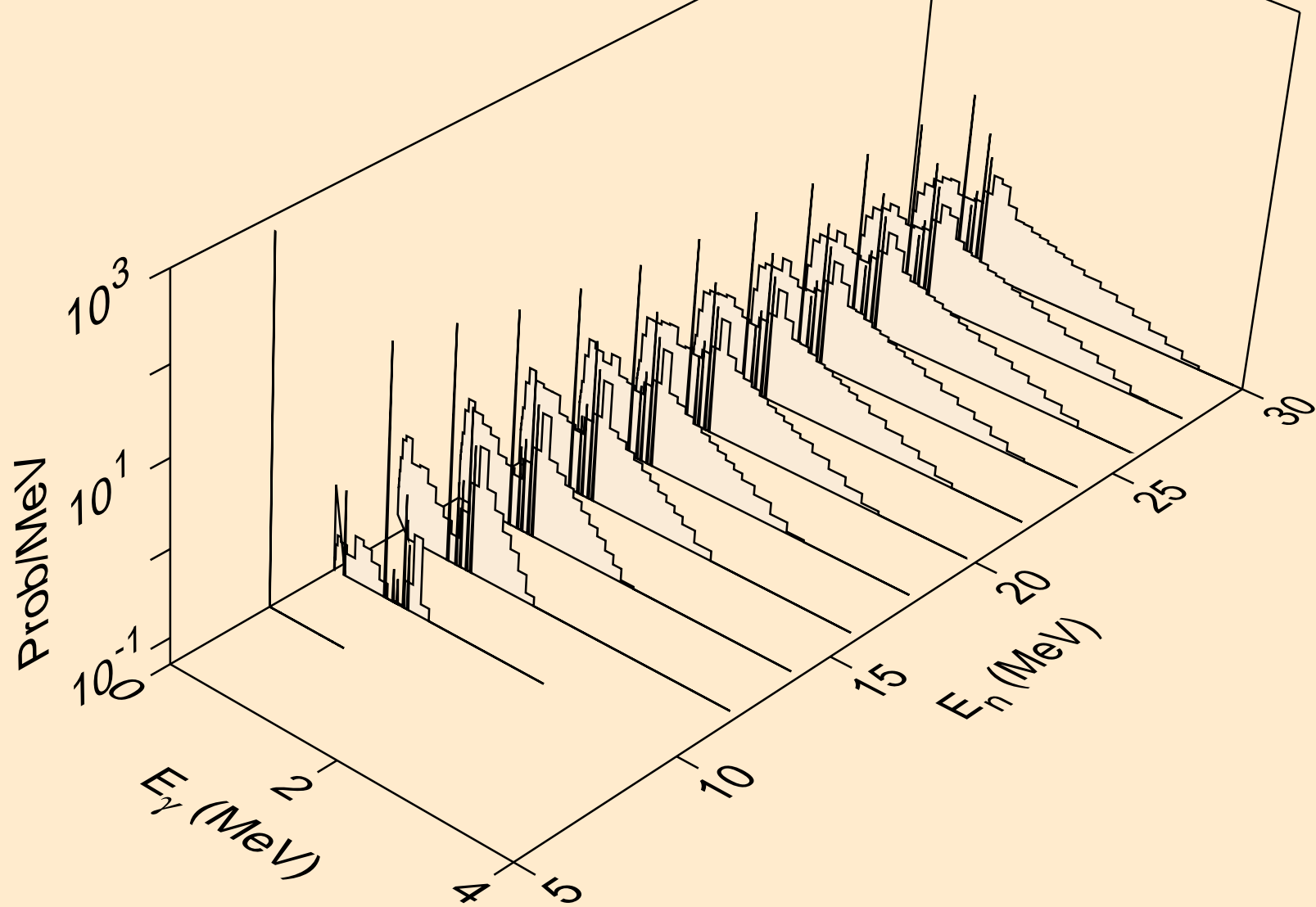
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)a

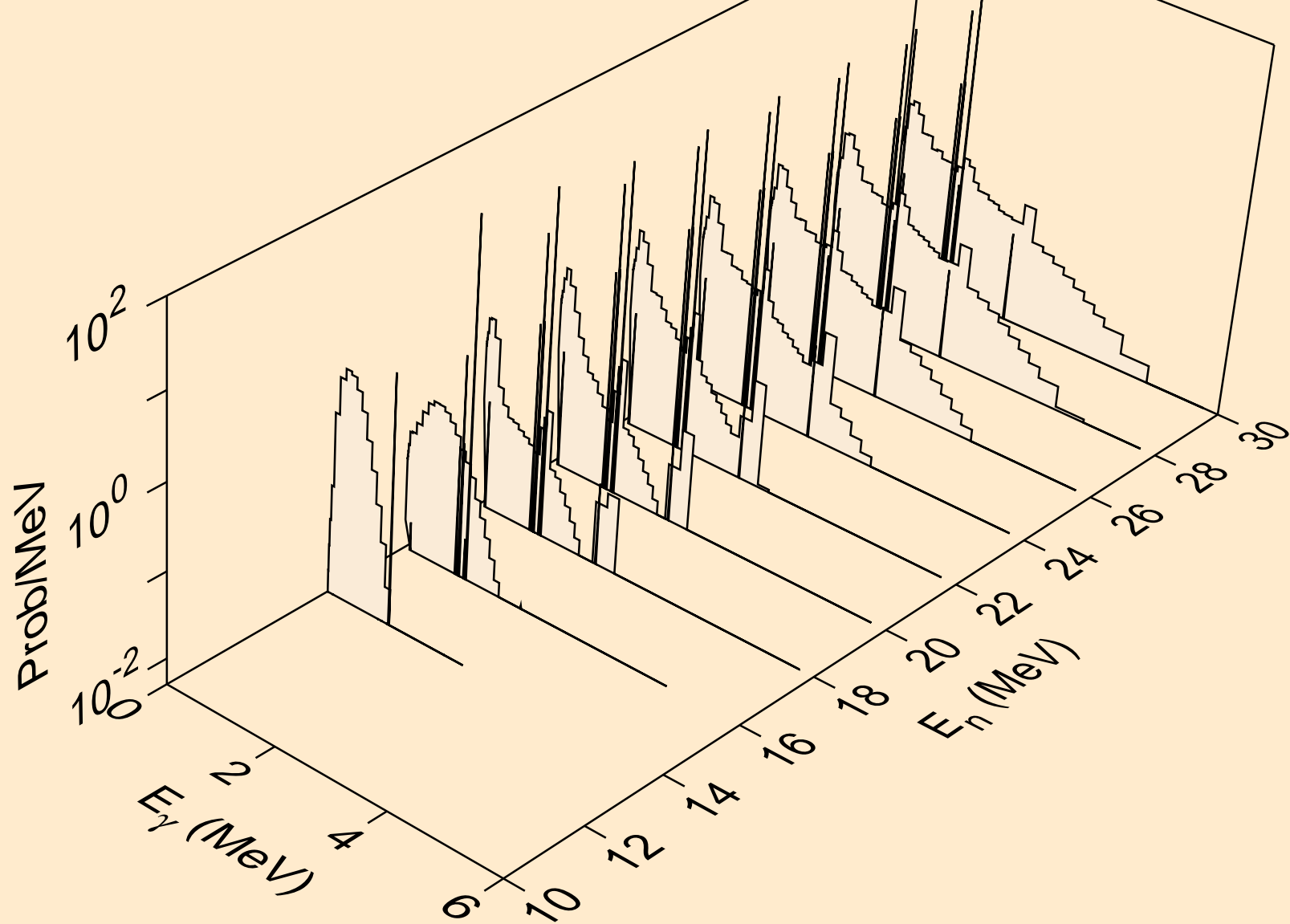


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p

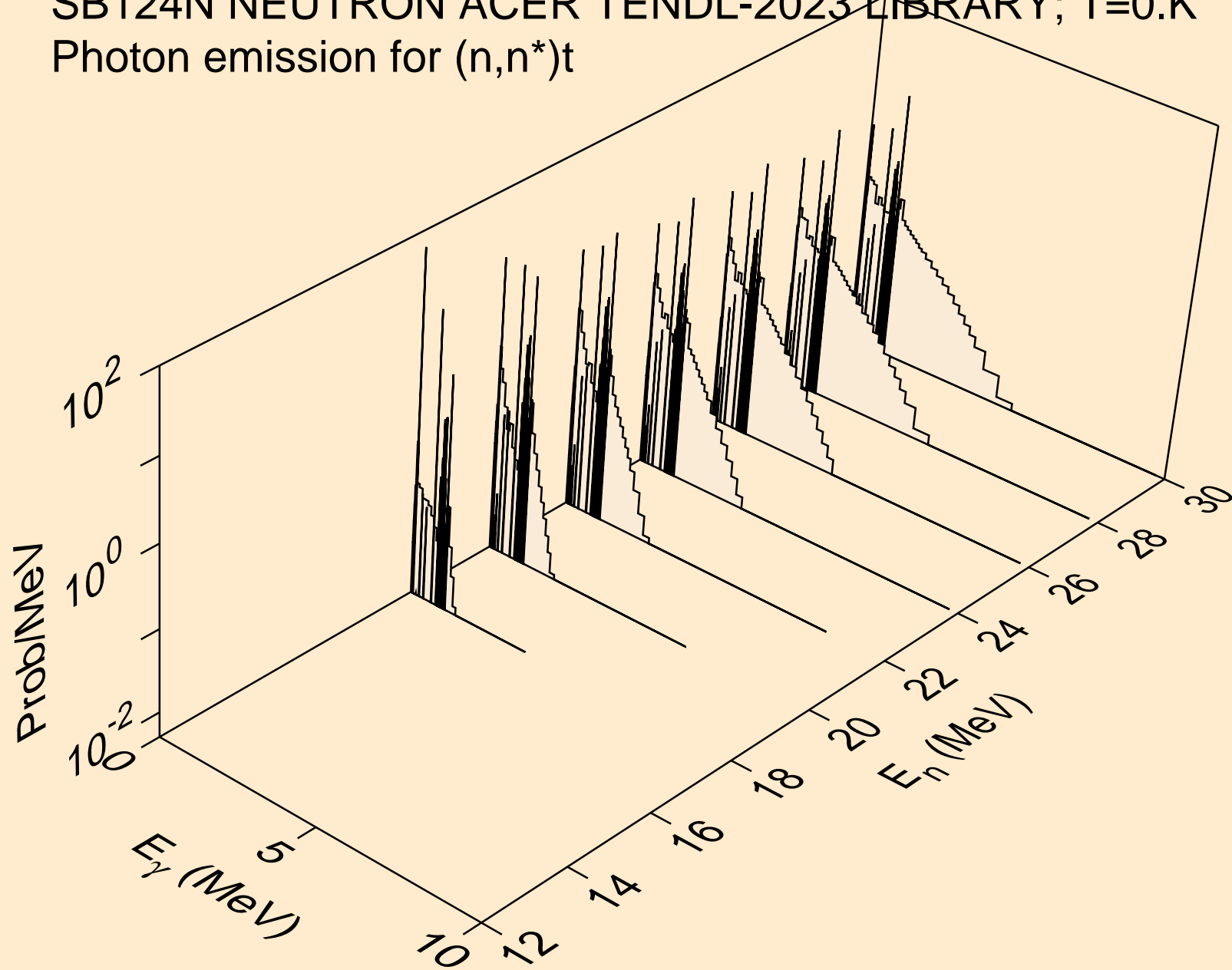




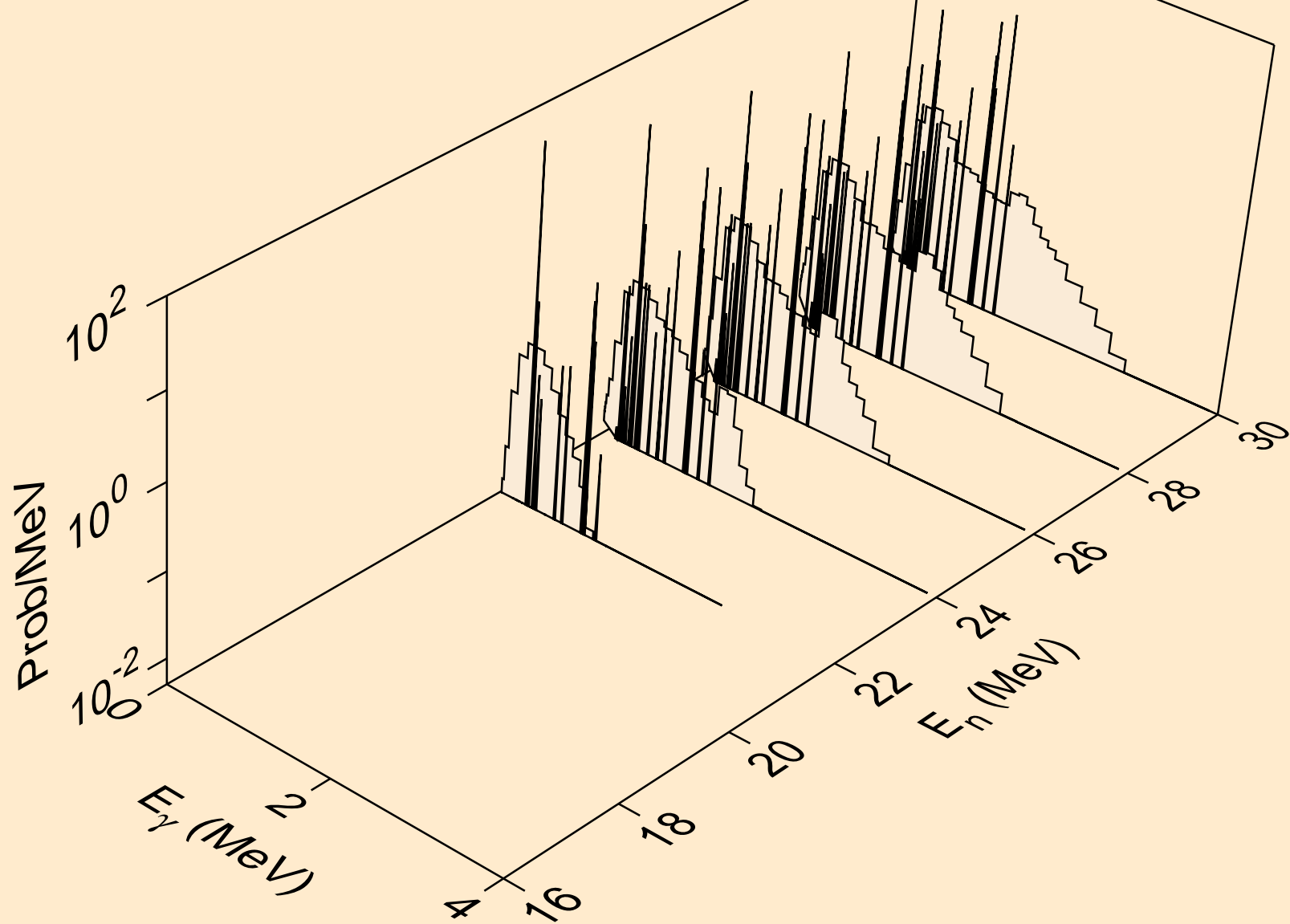
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



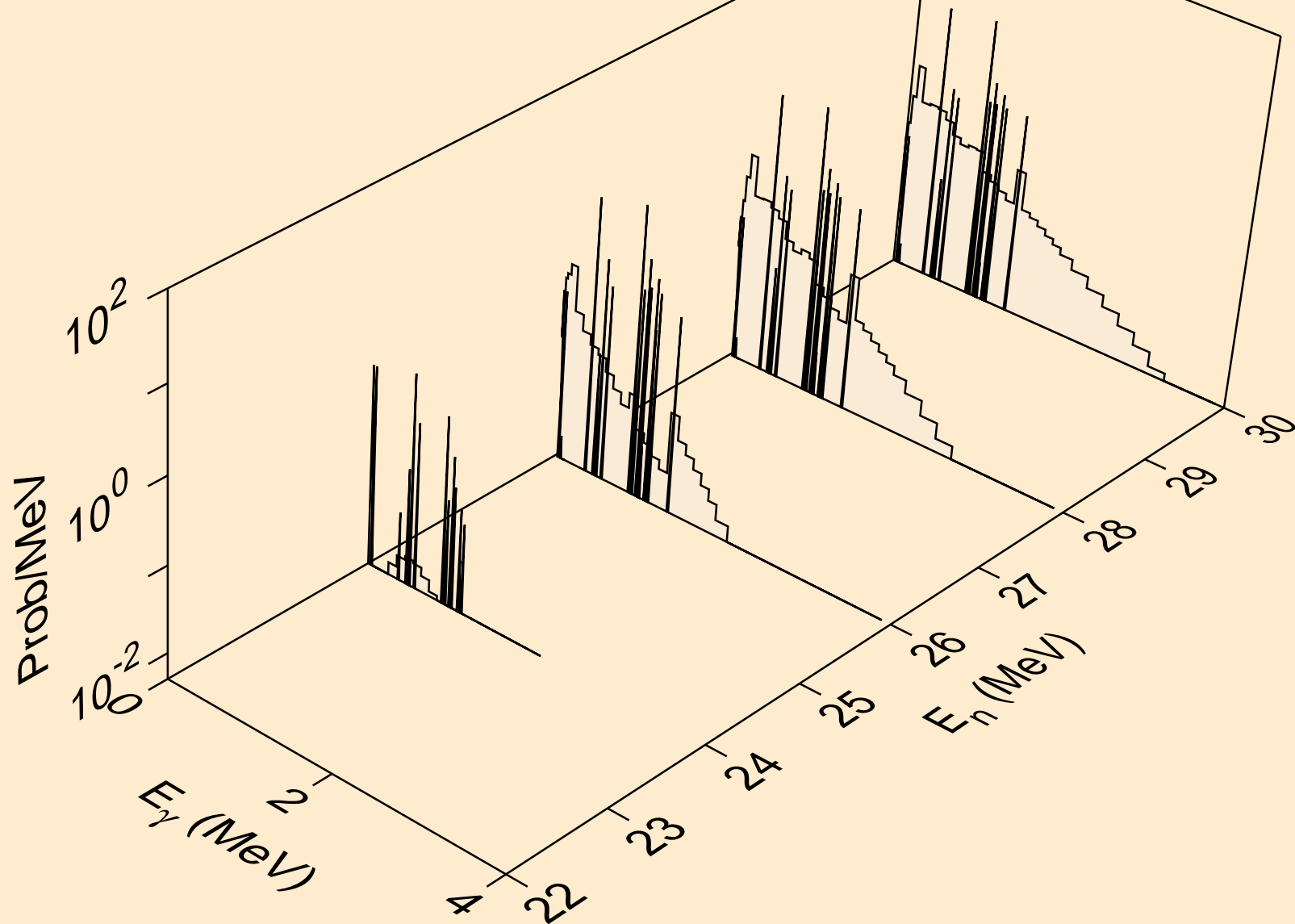
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



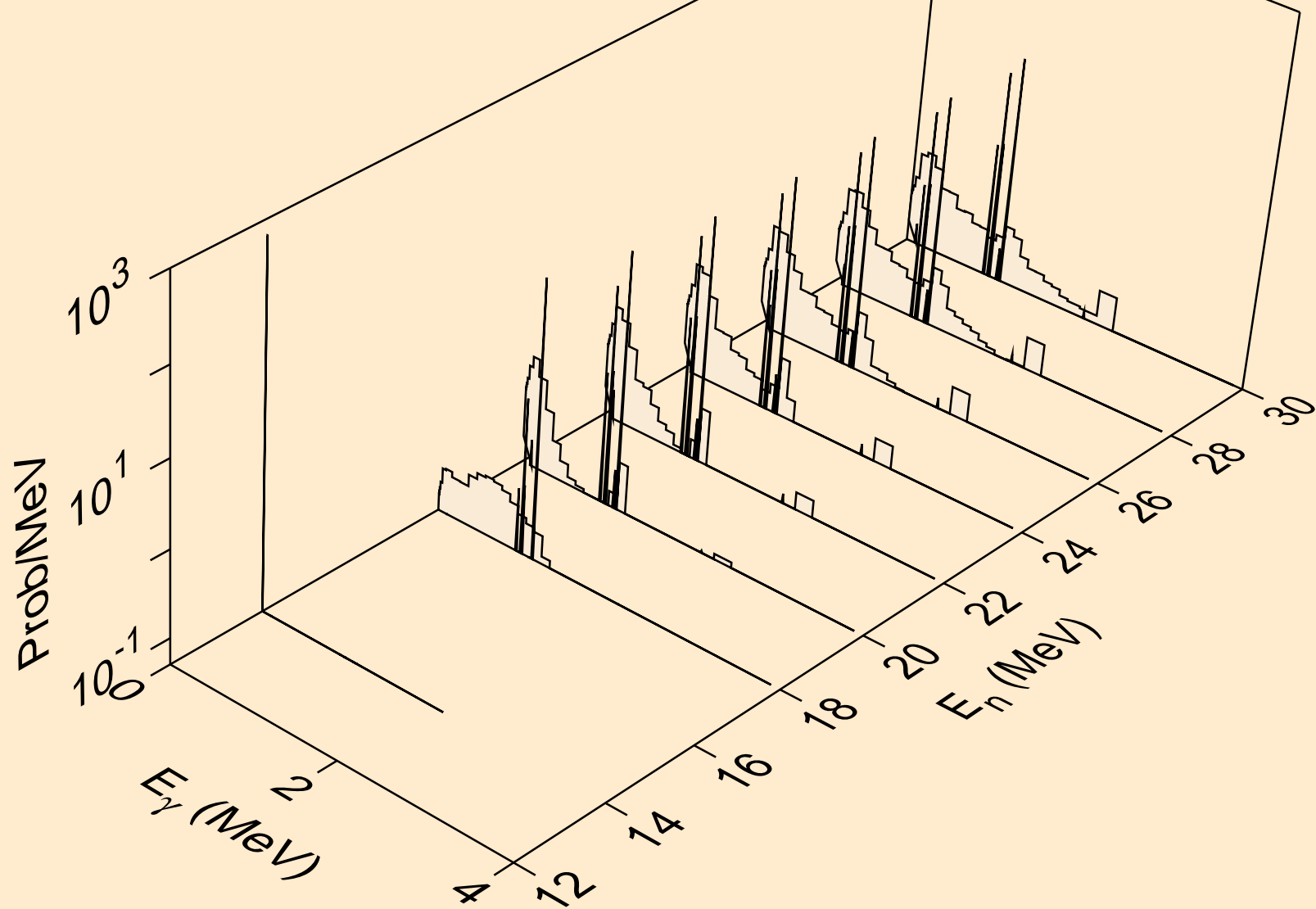
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



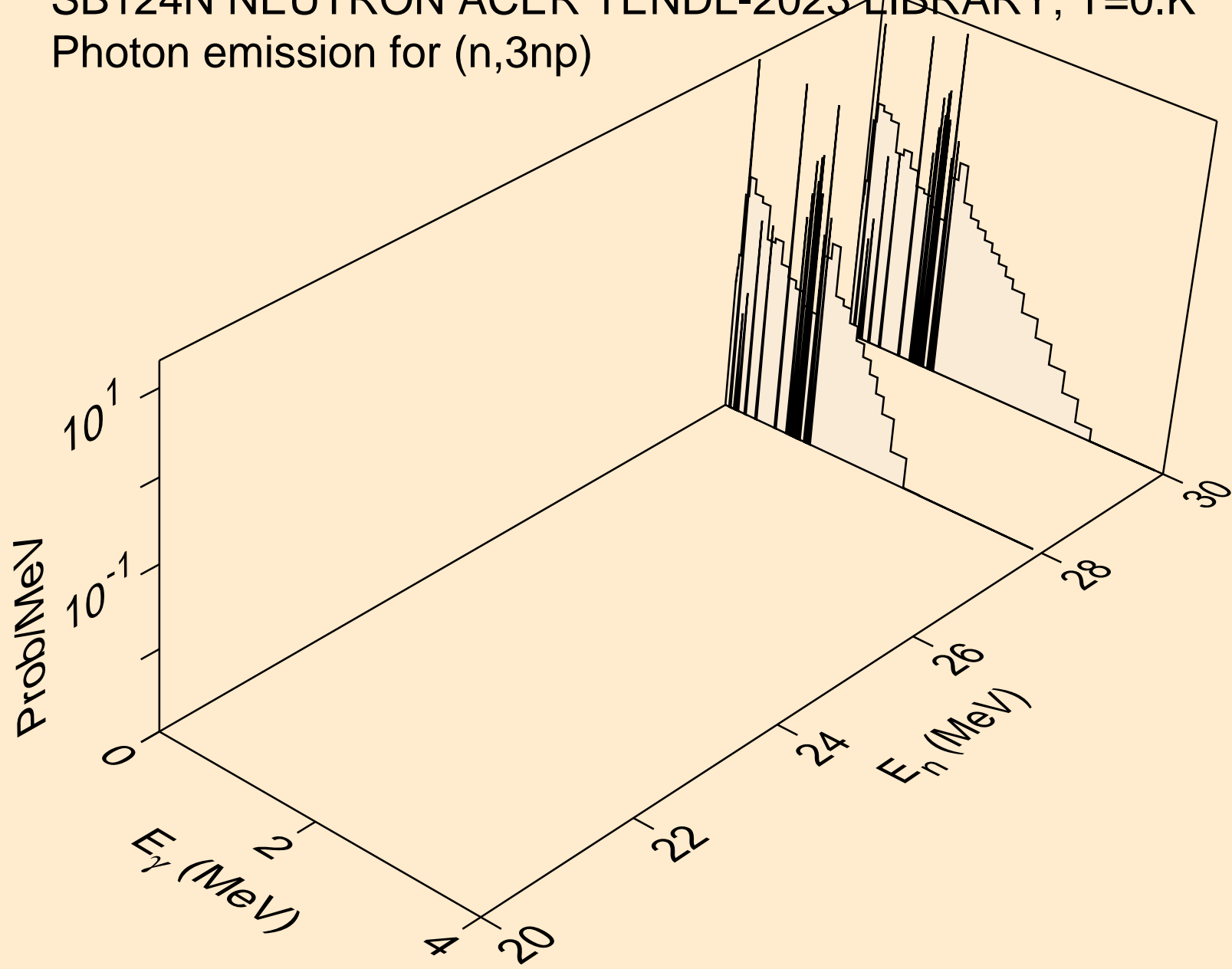
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



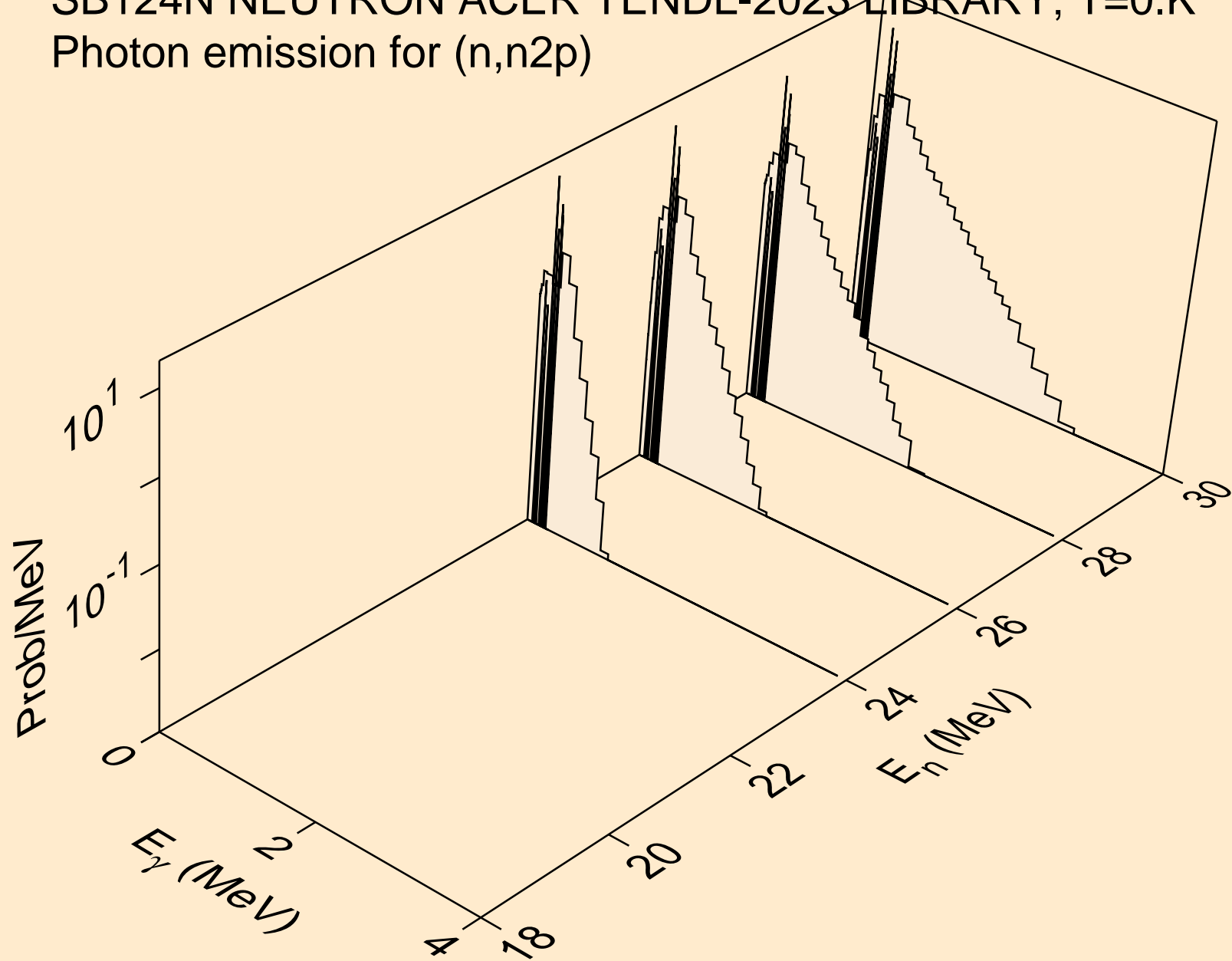
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



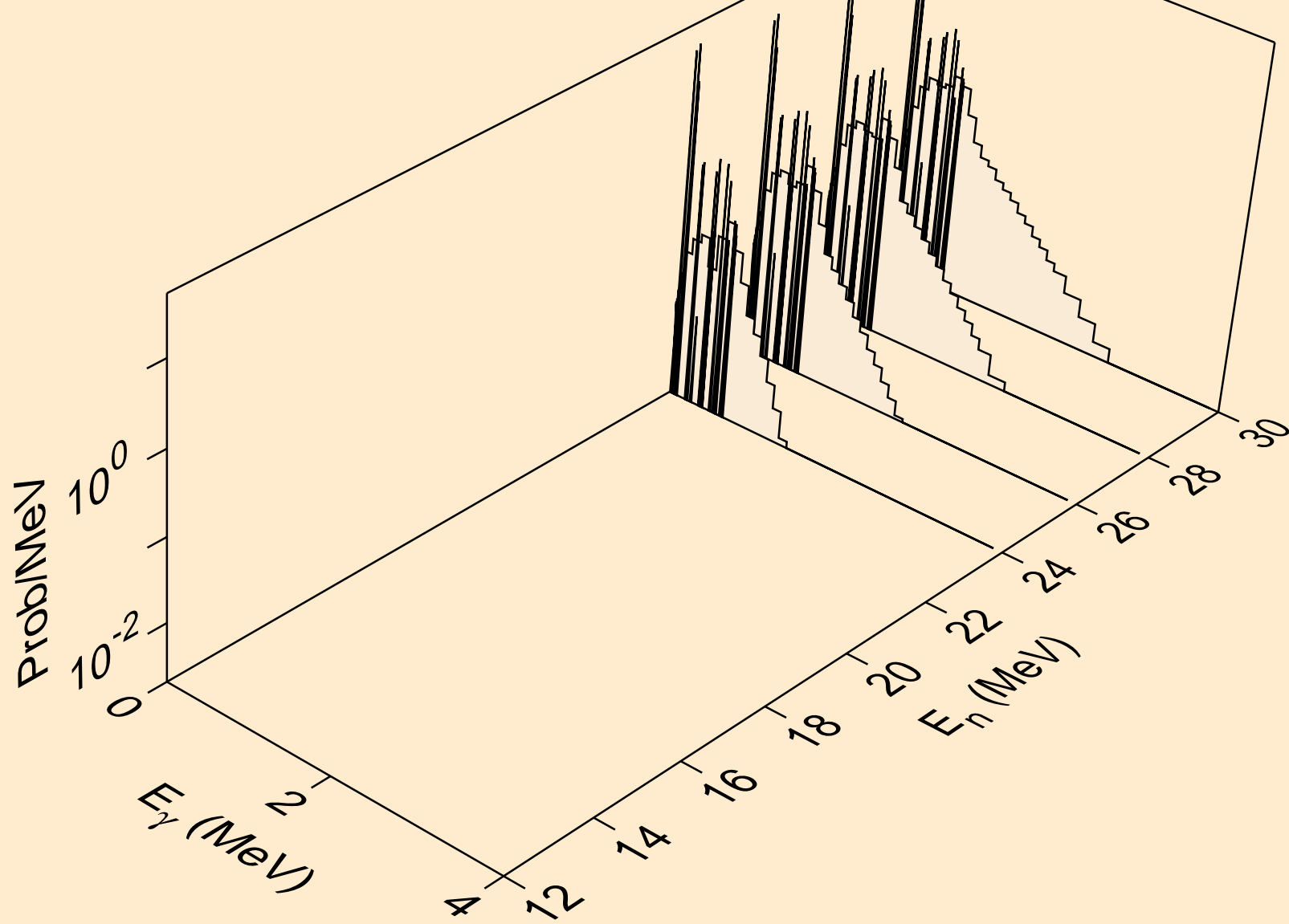
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3np)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n2p)

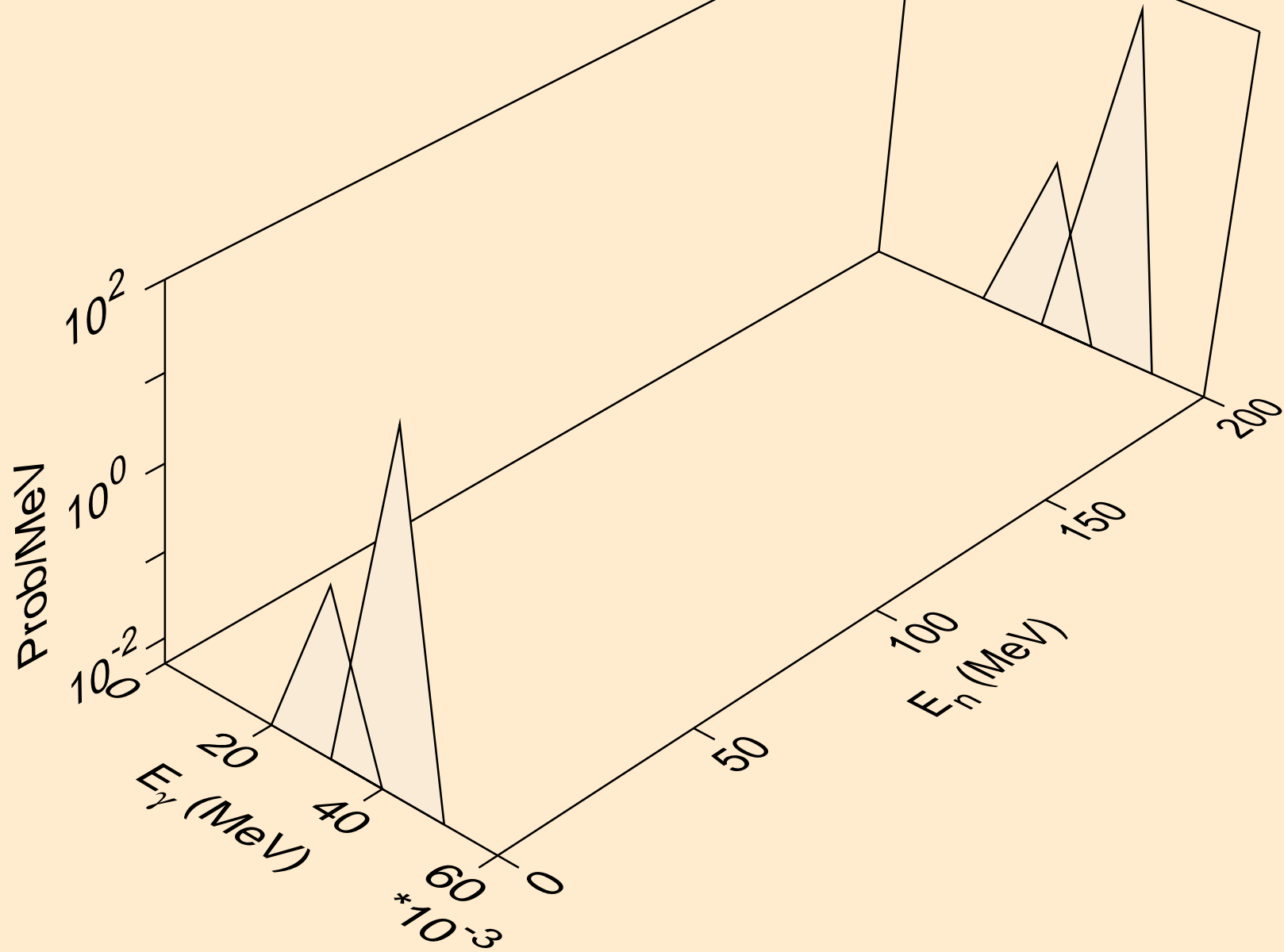


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)

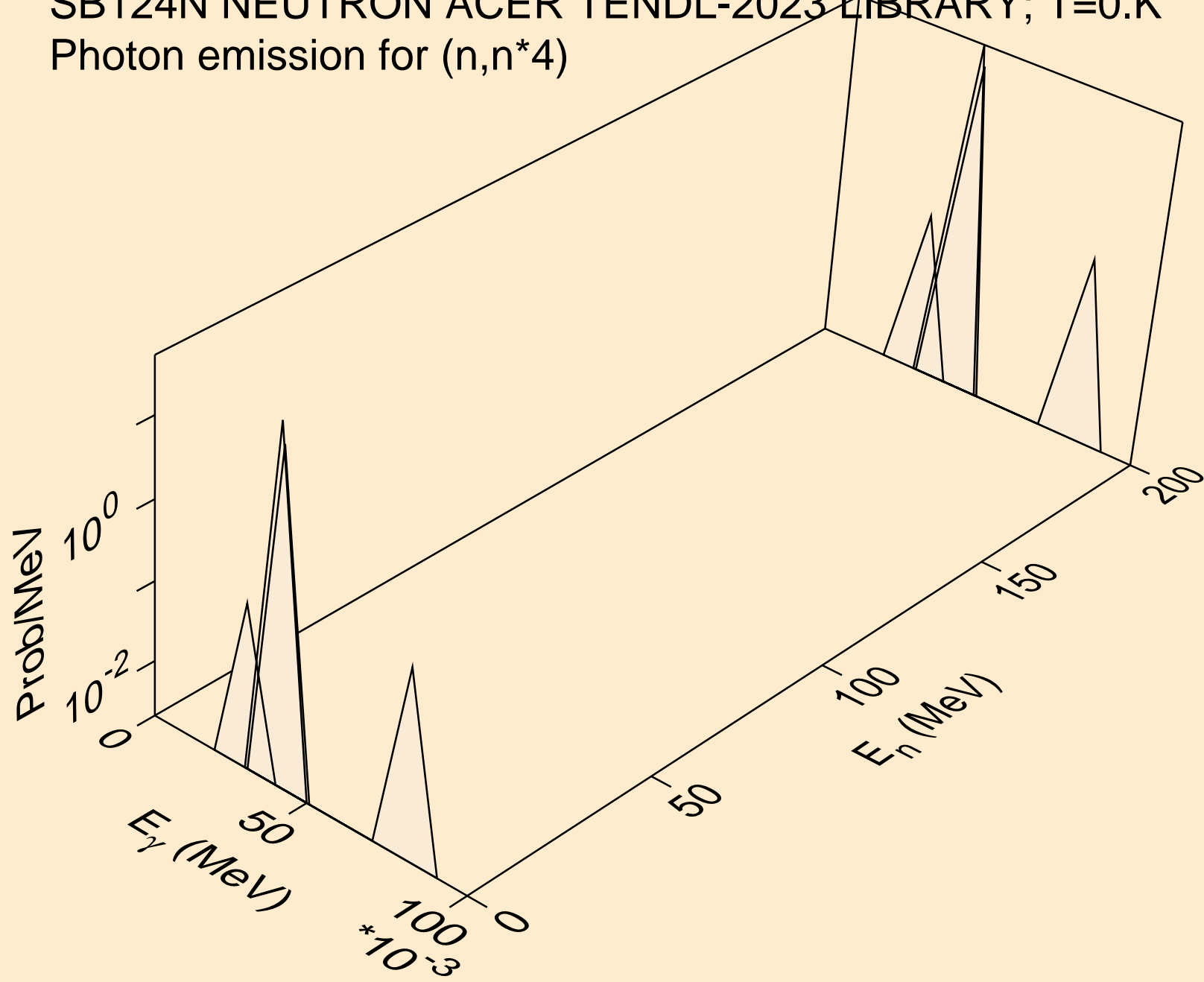




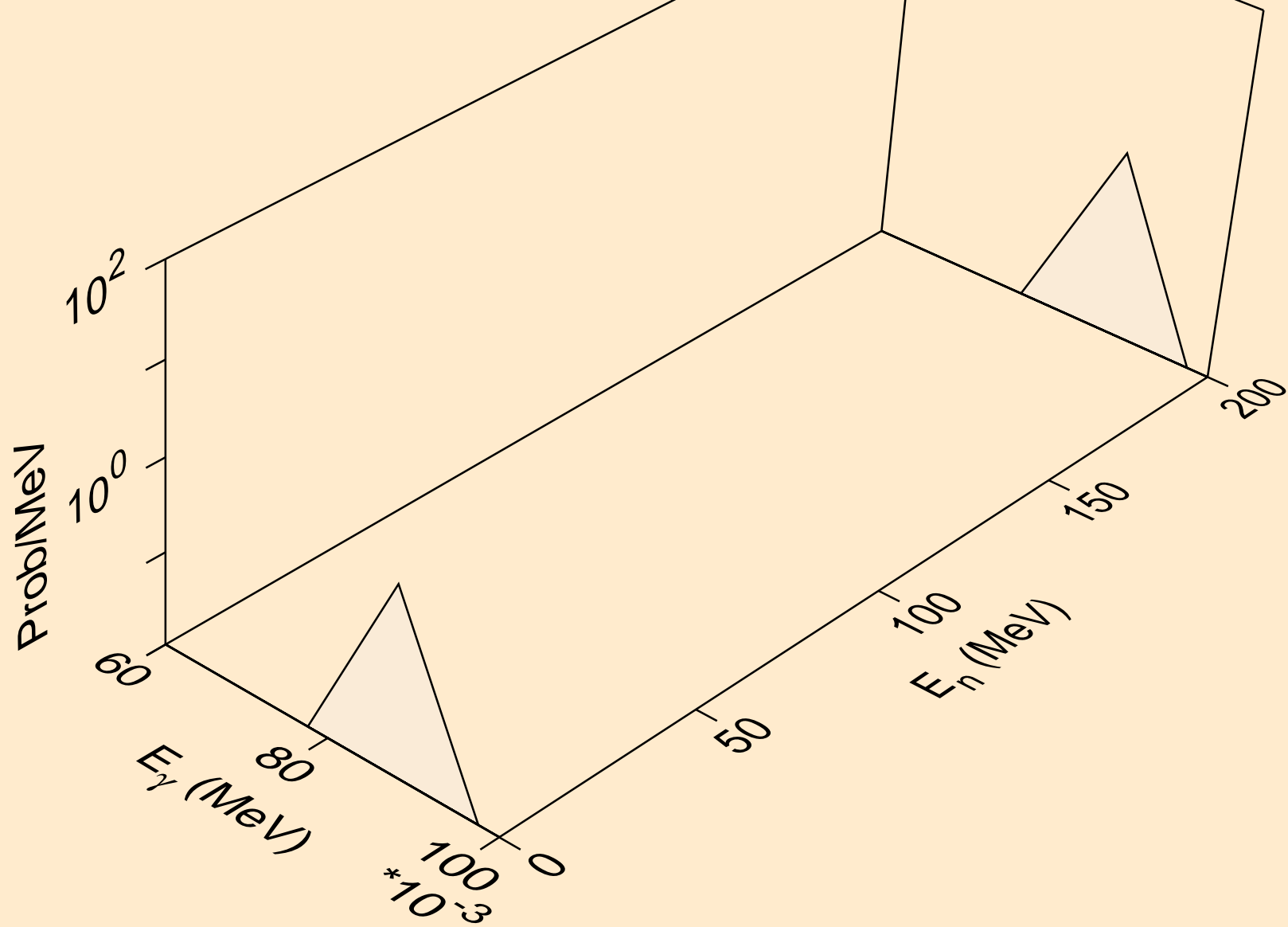
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*3)



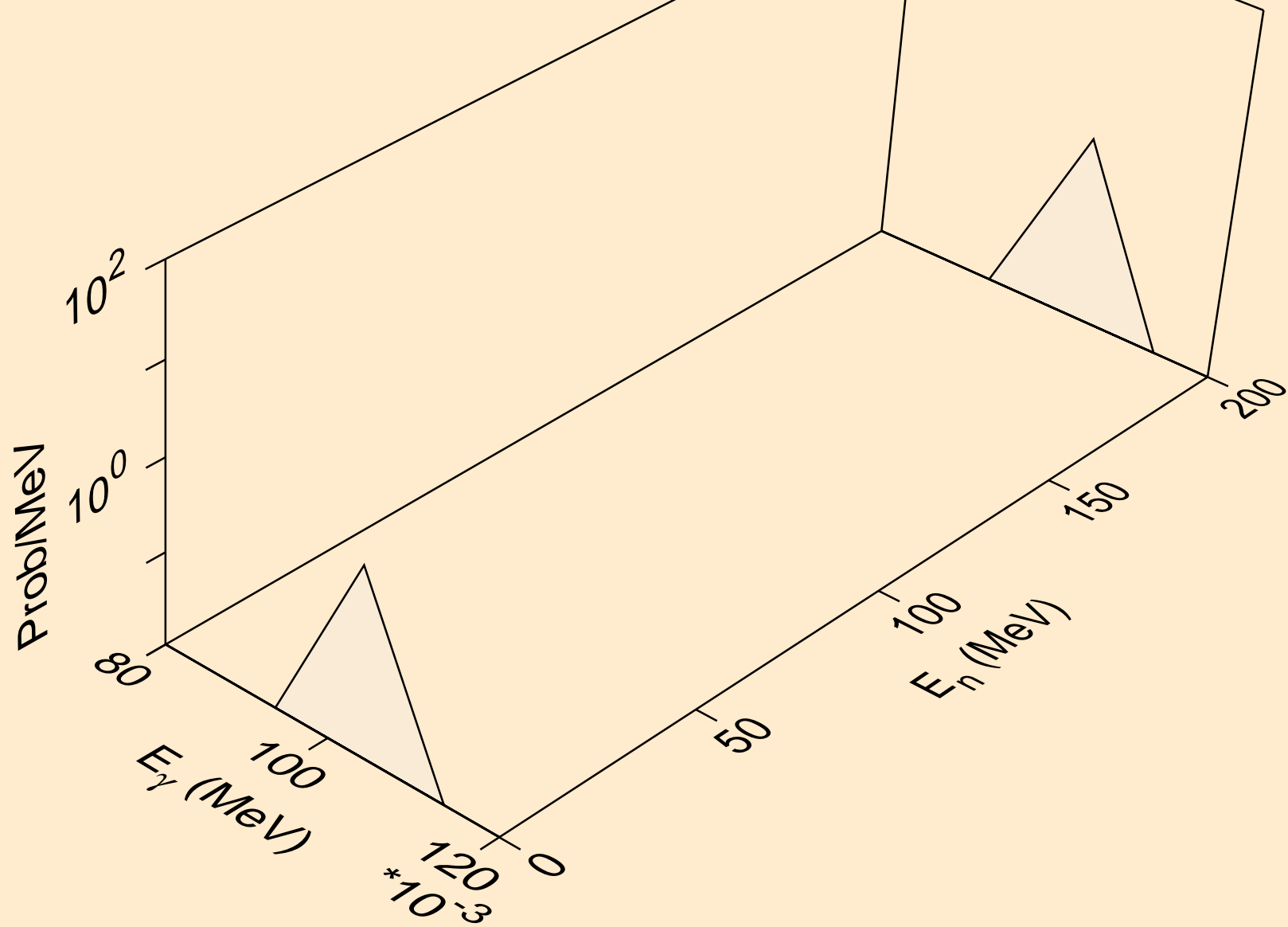
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Photon emission for (n,n\*4)



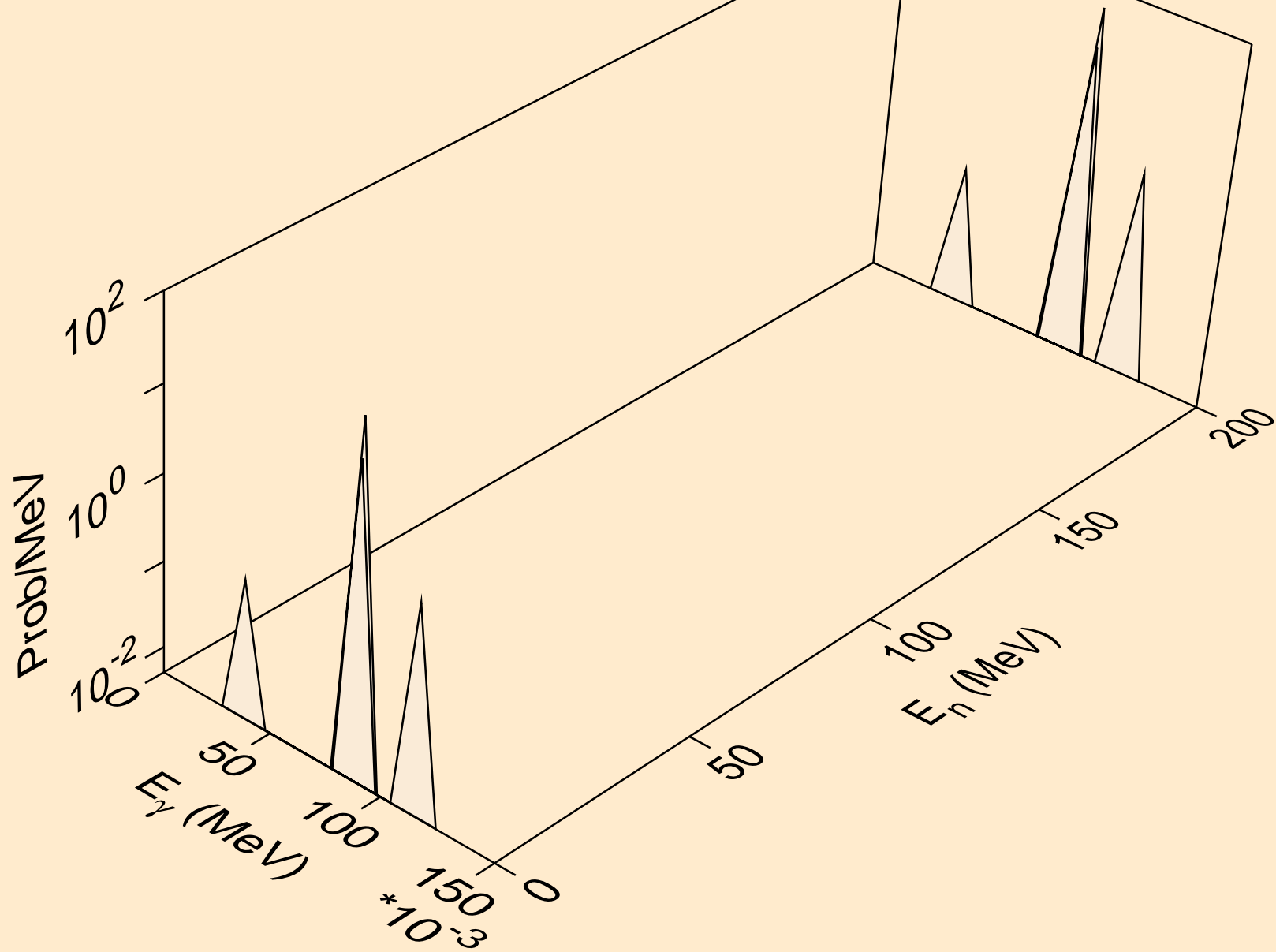
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*5)



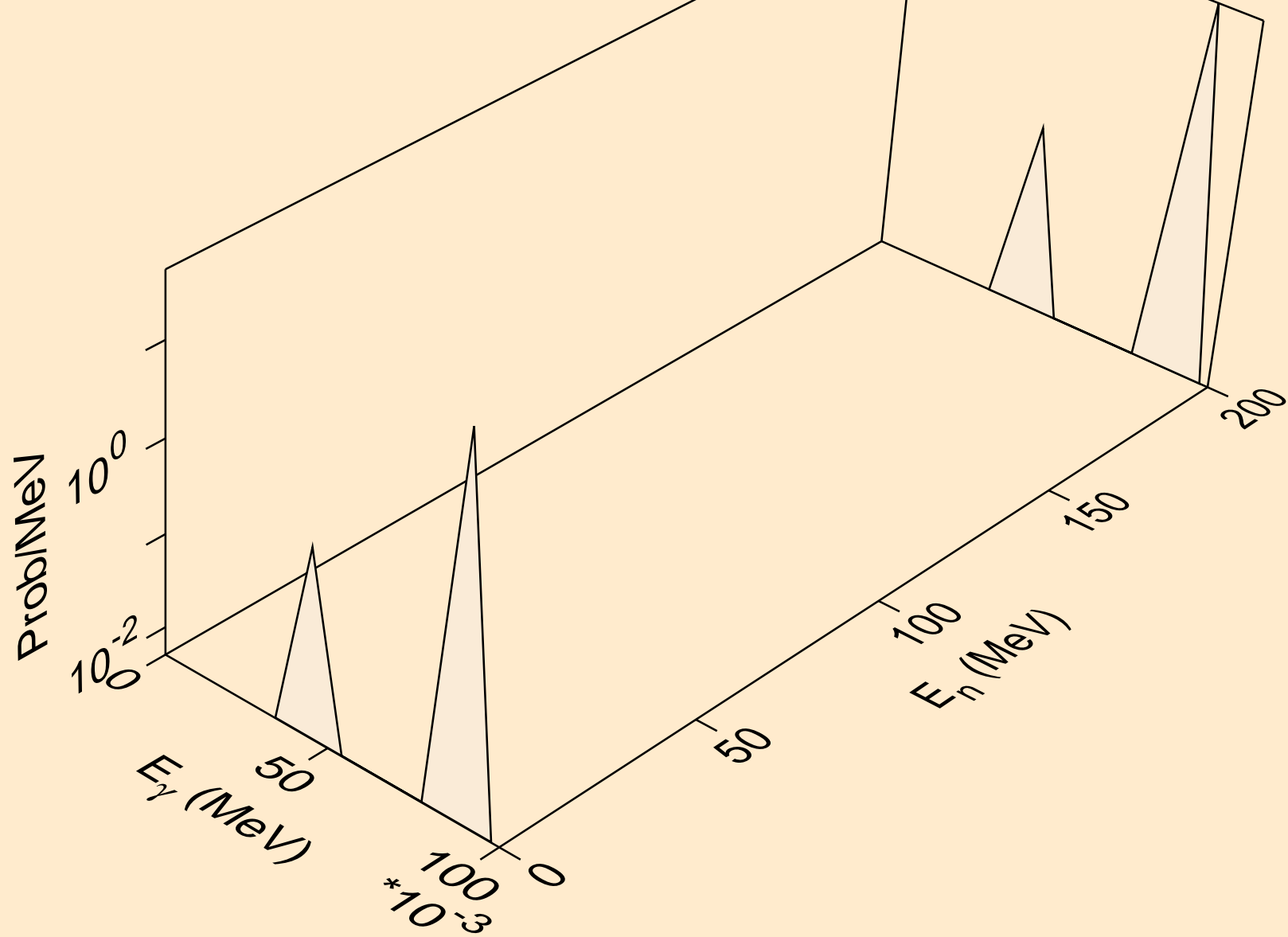
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*6)



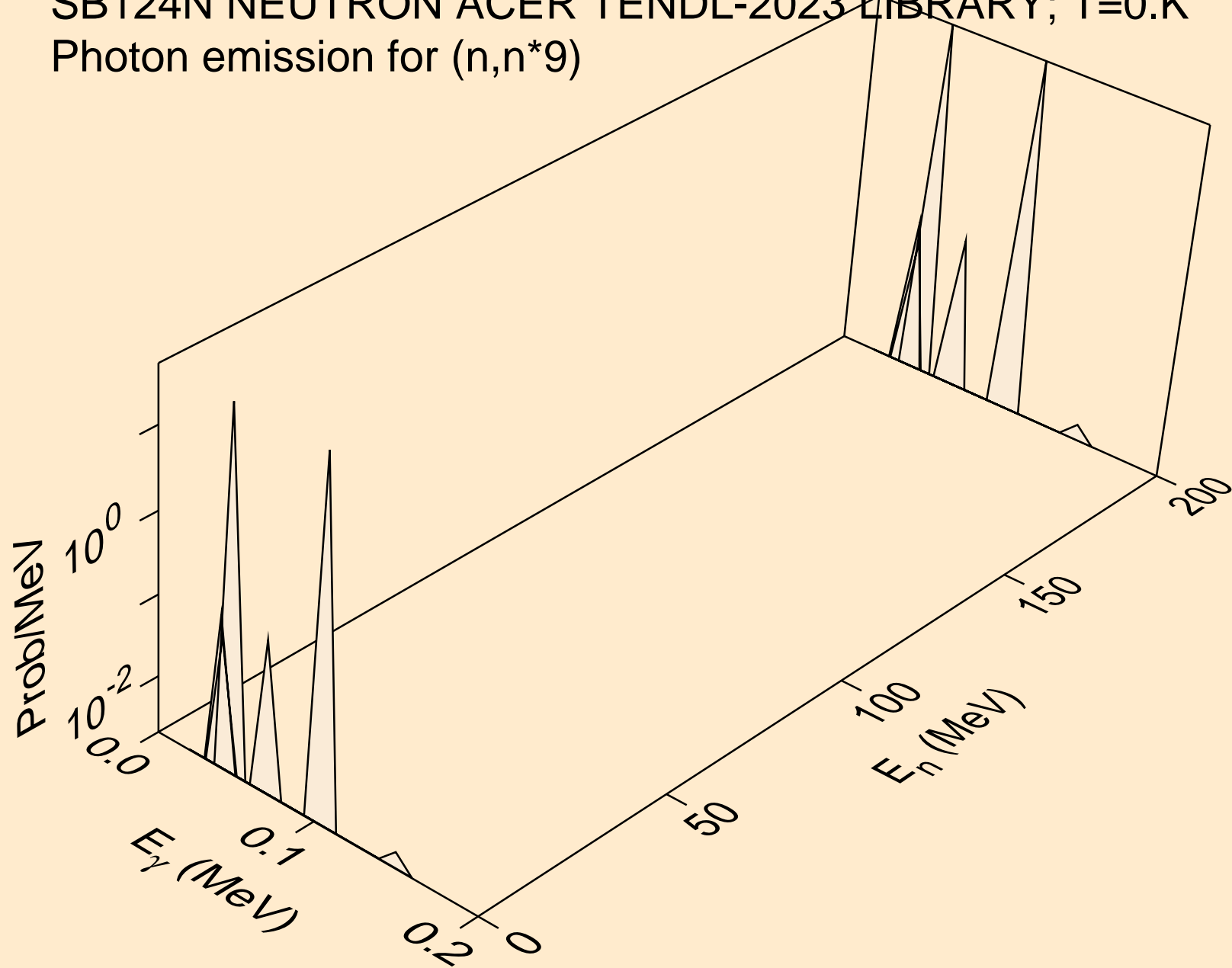
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*7)



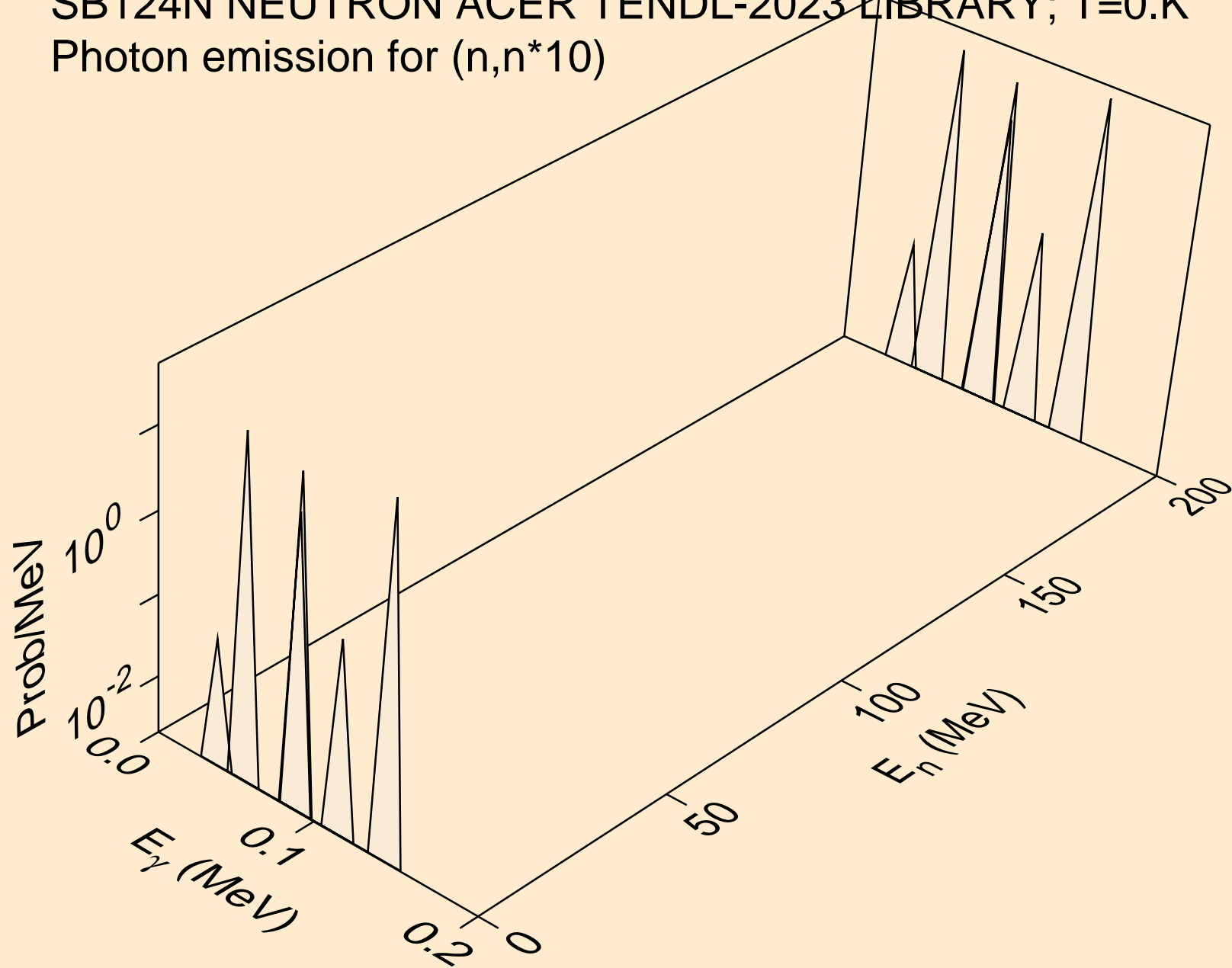
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*8)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*9)

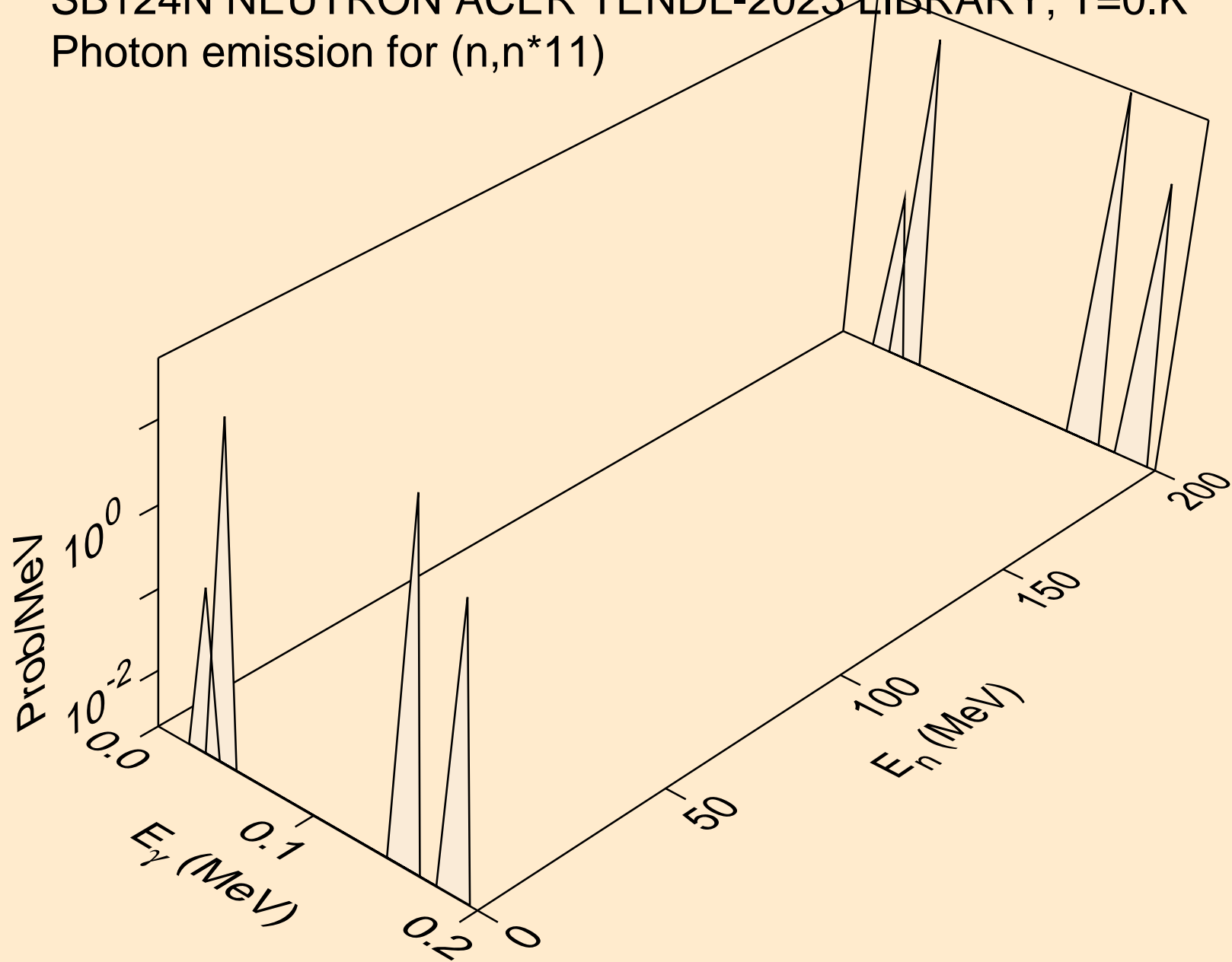


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*10)

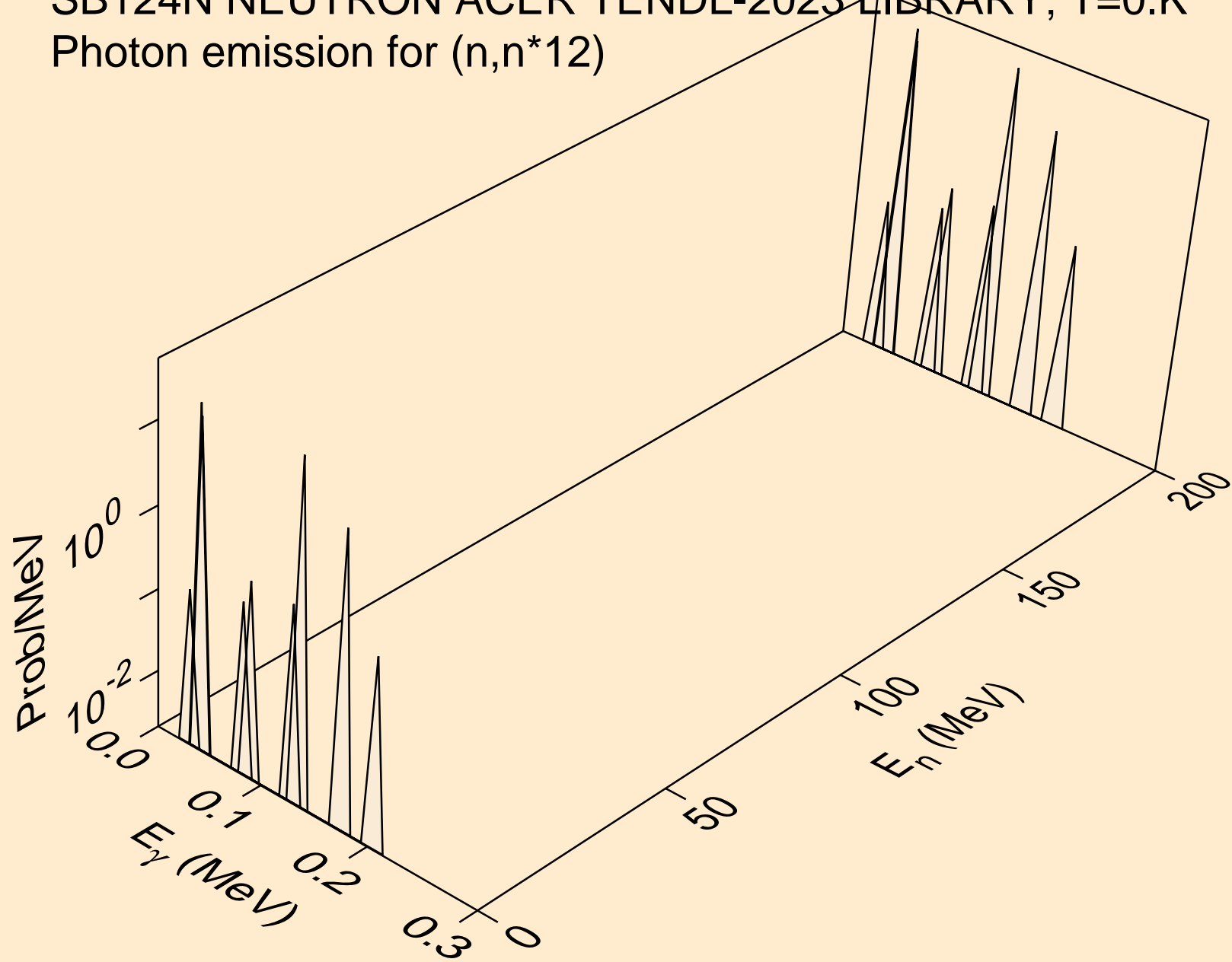




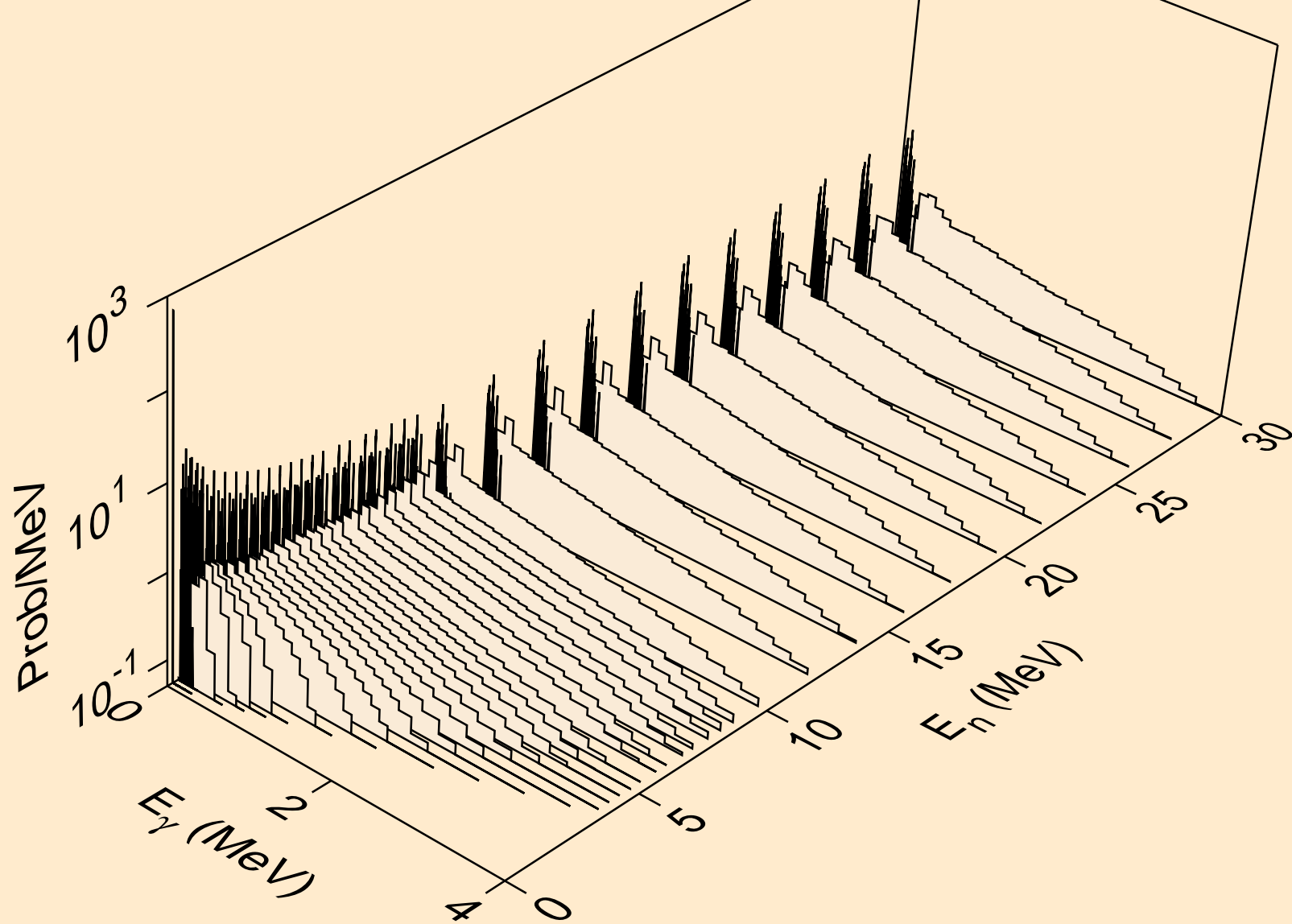
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*11)



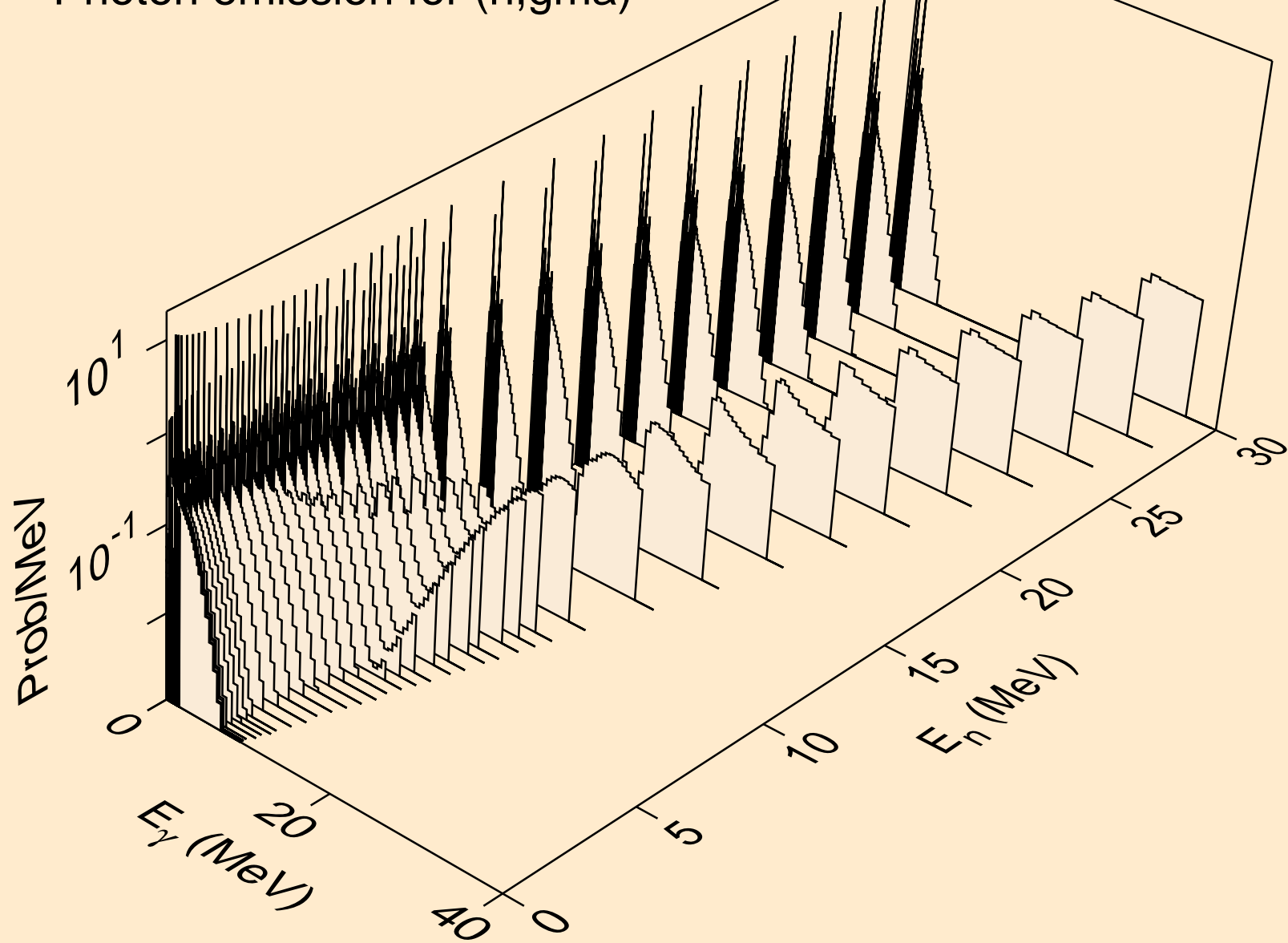
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*12)



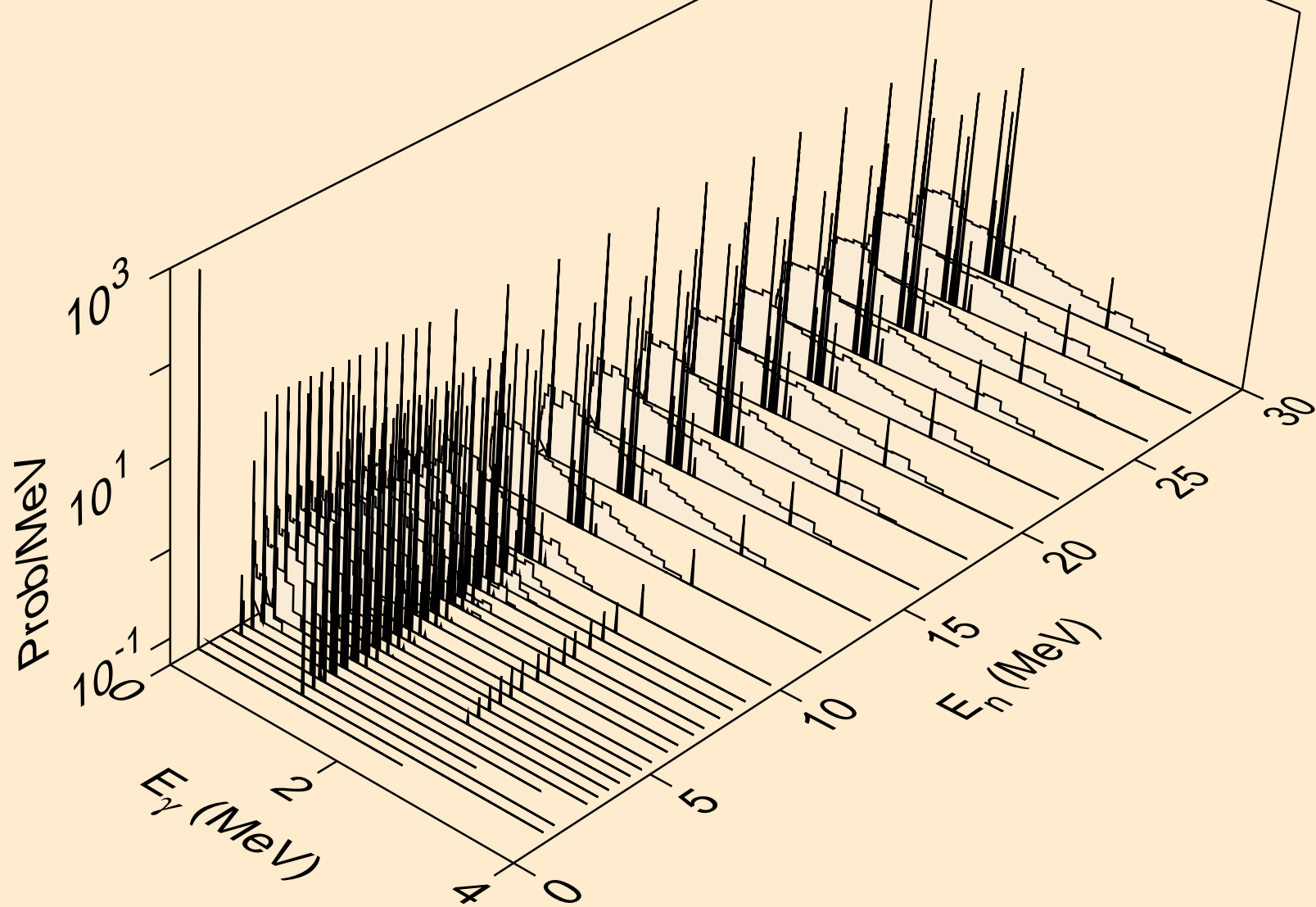
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



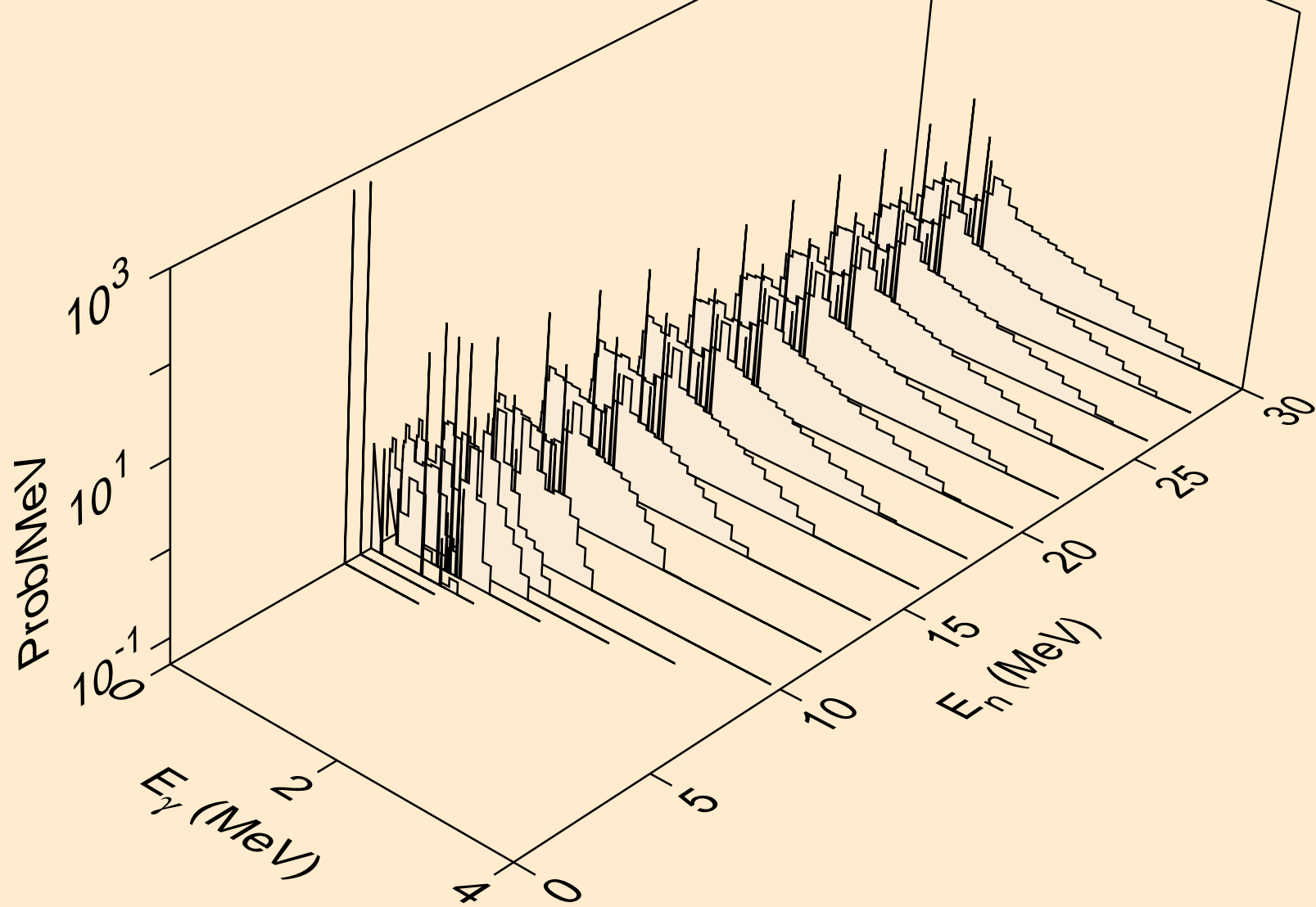
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



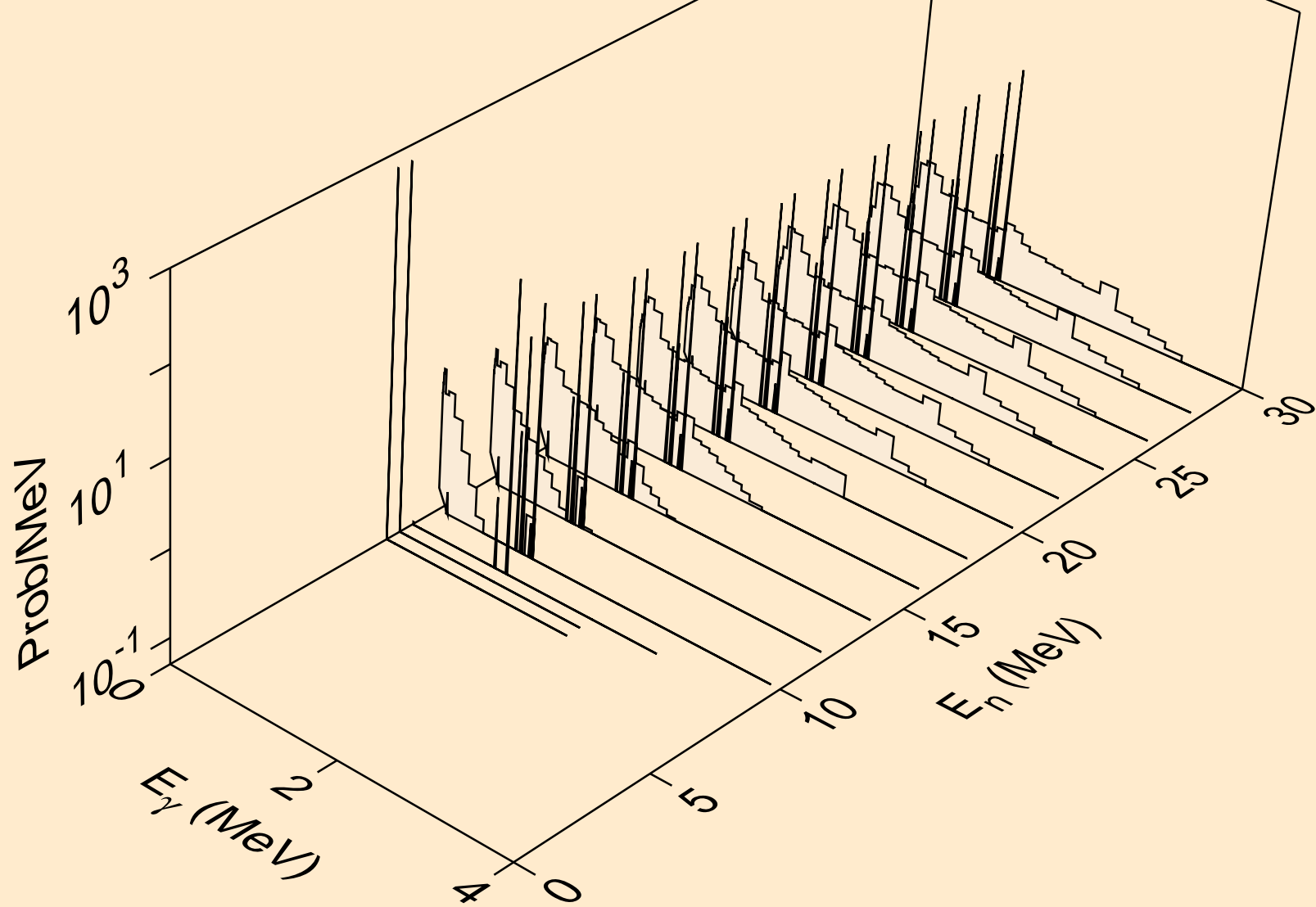
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



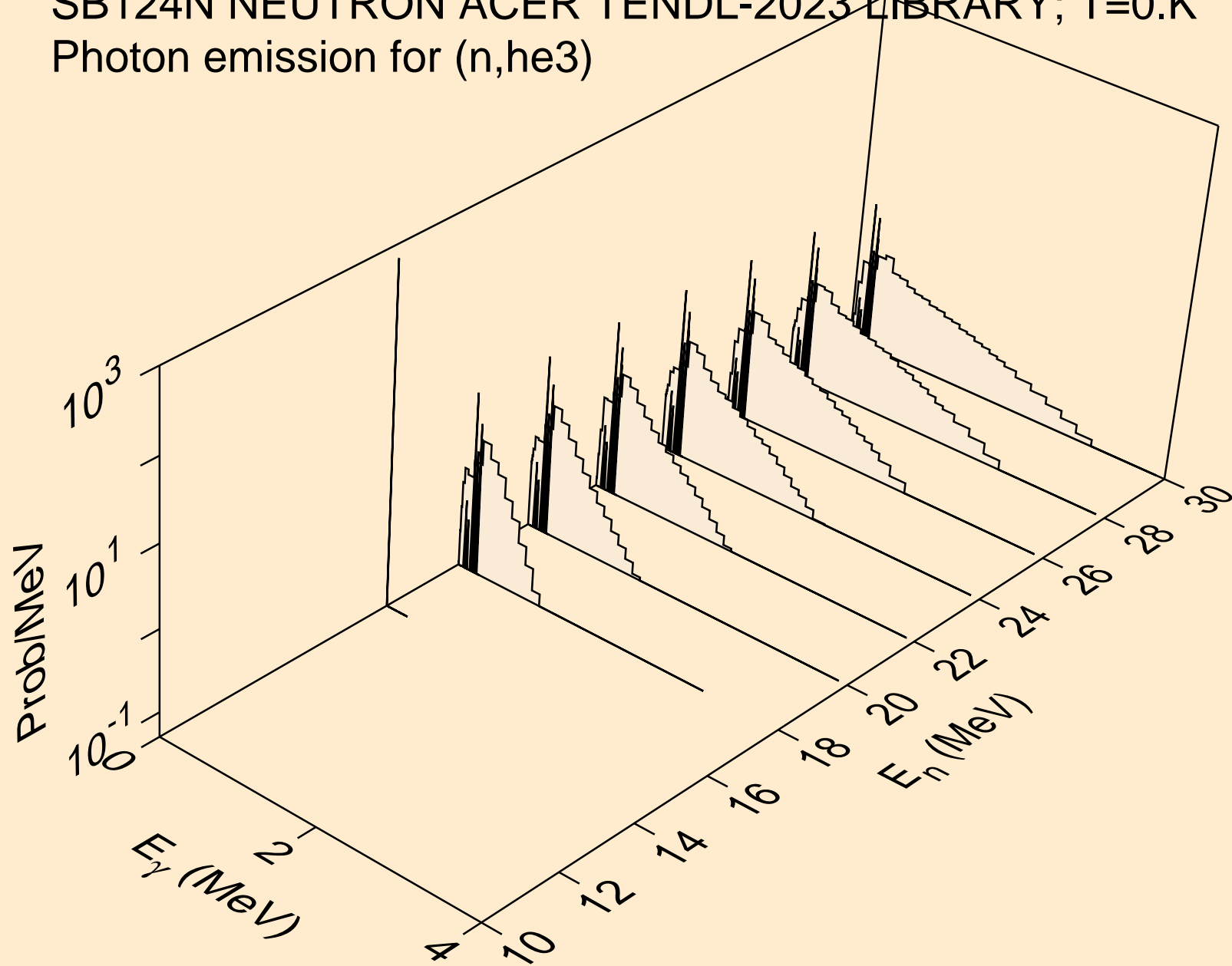
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)

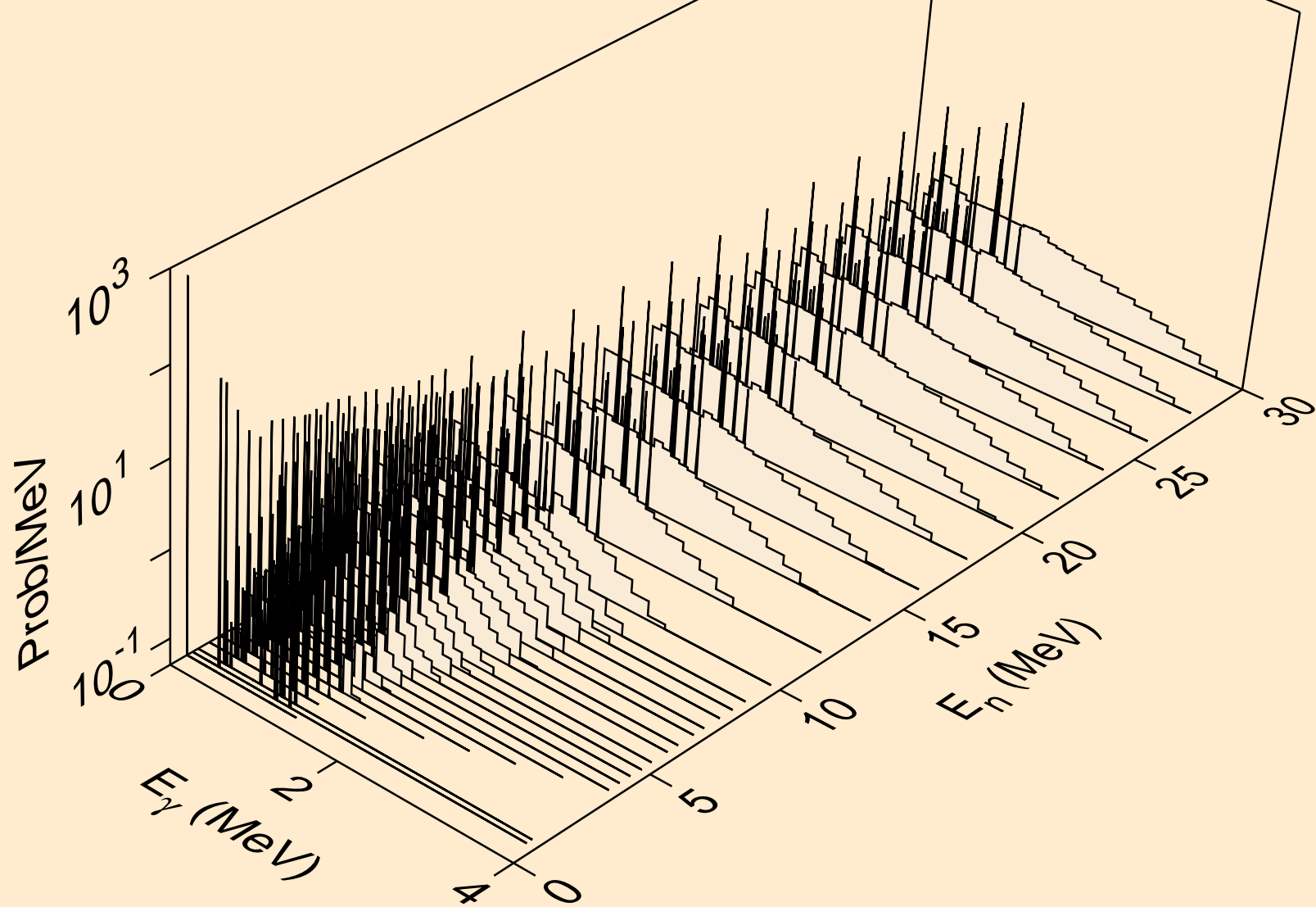


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)

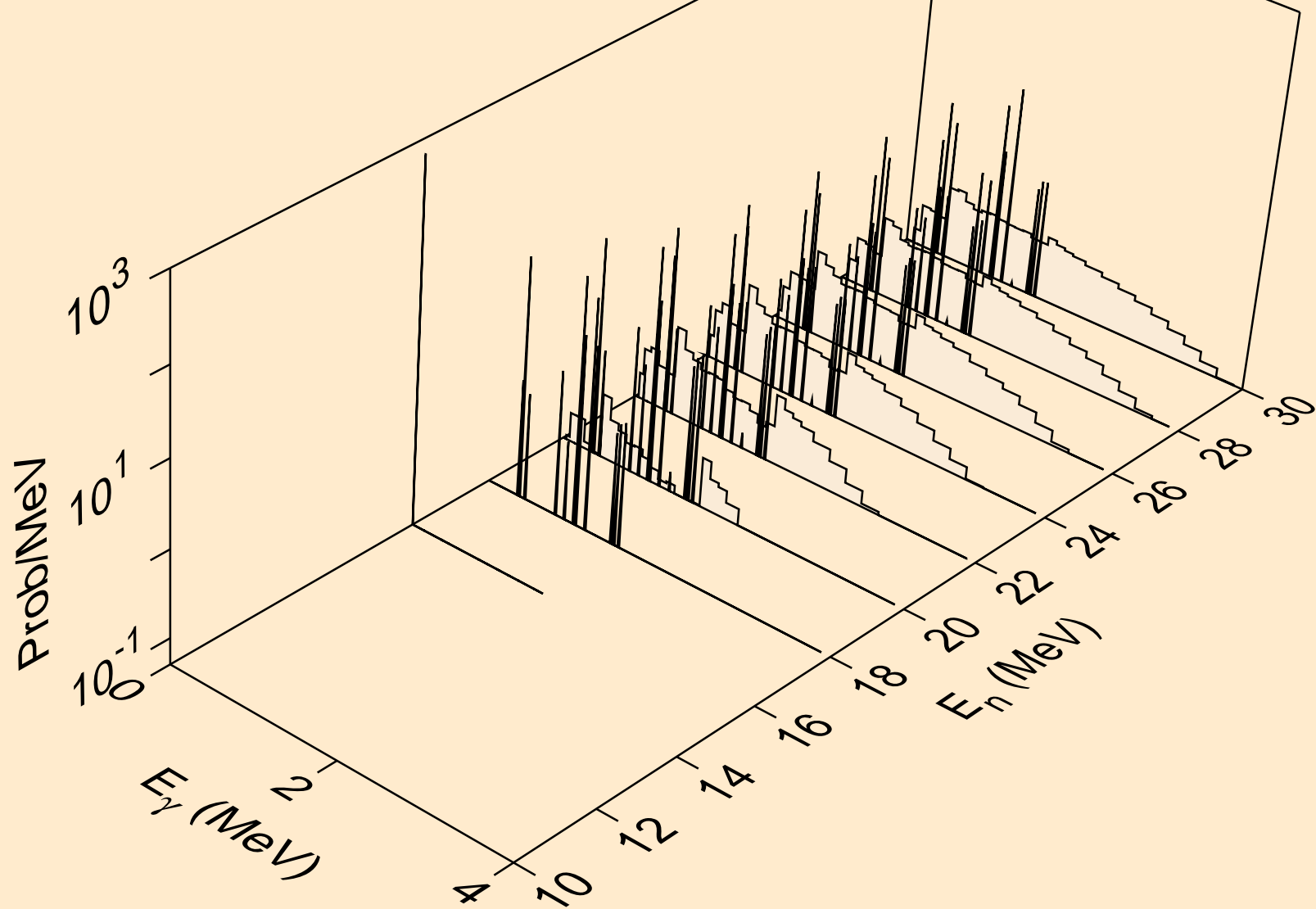




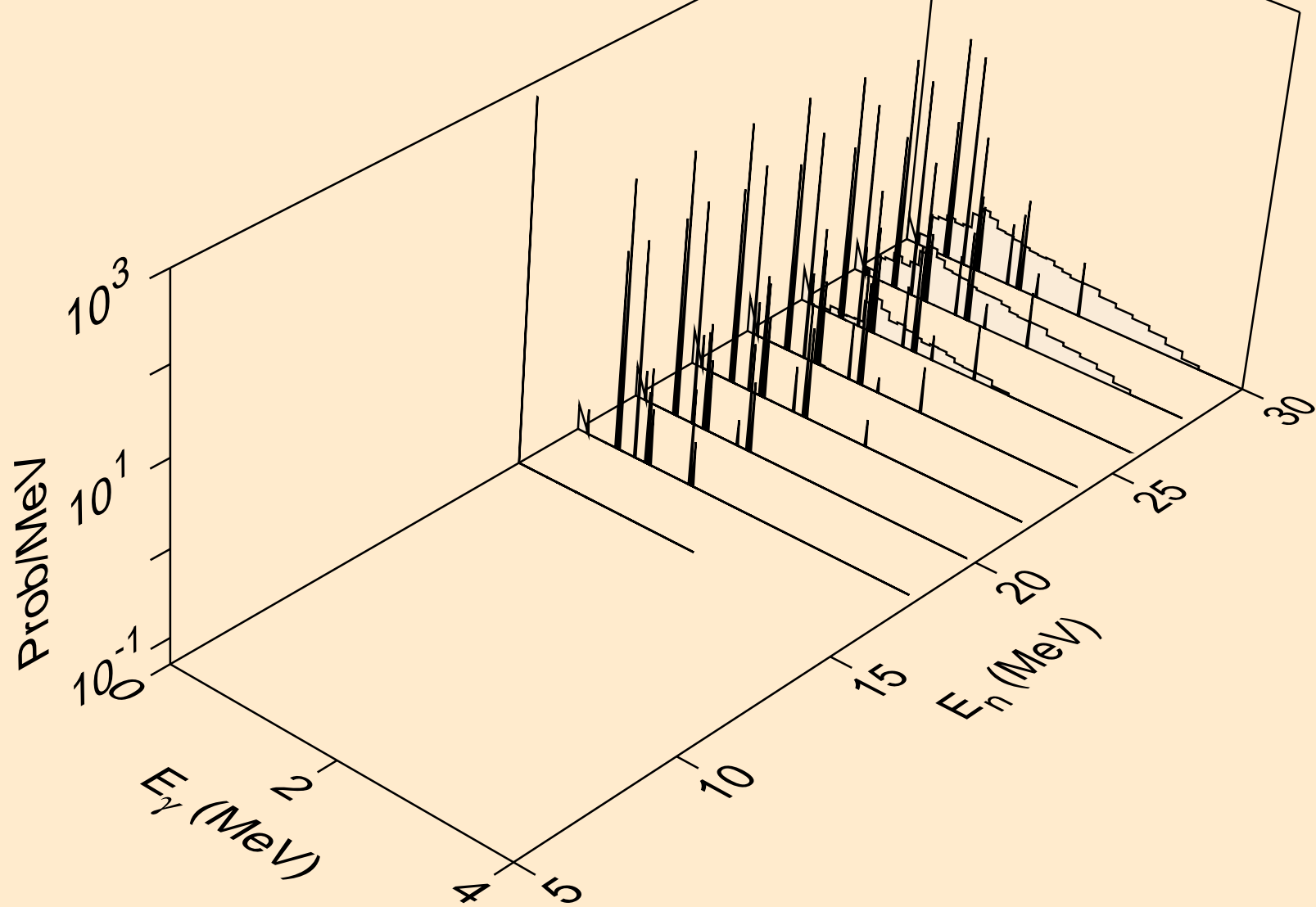
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Photon emission for (n,a)



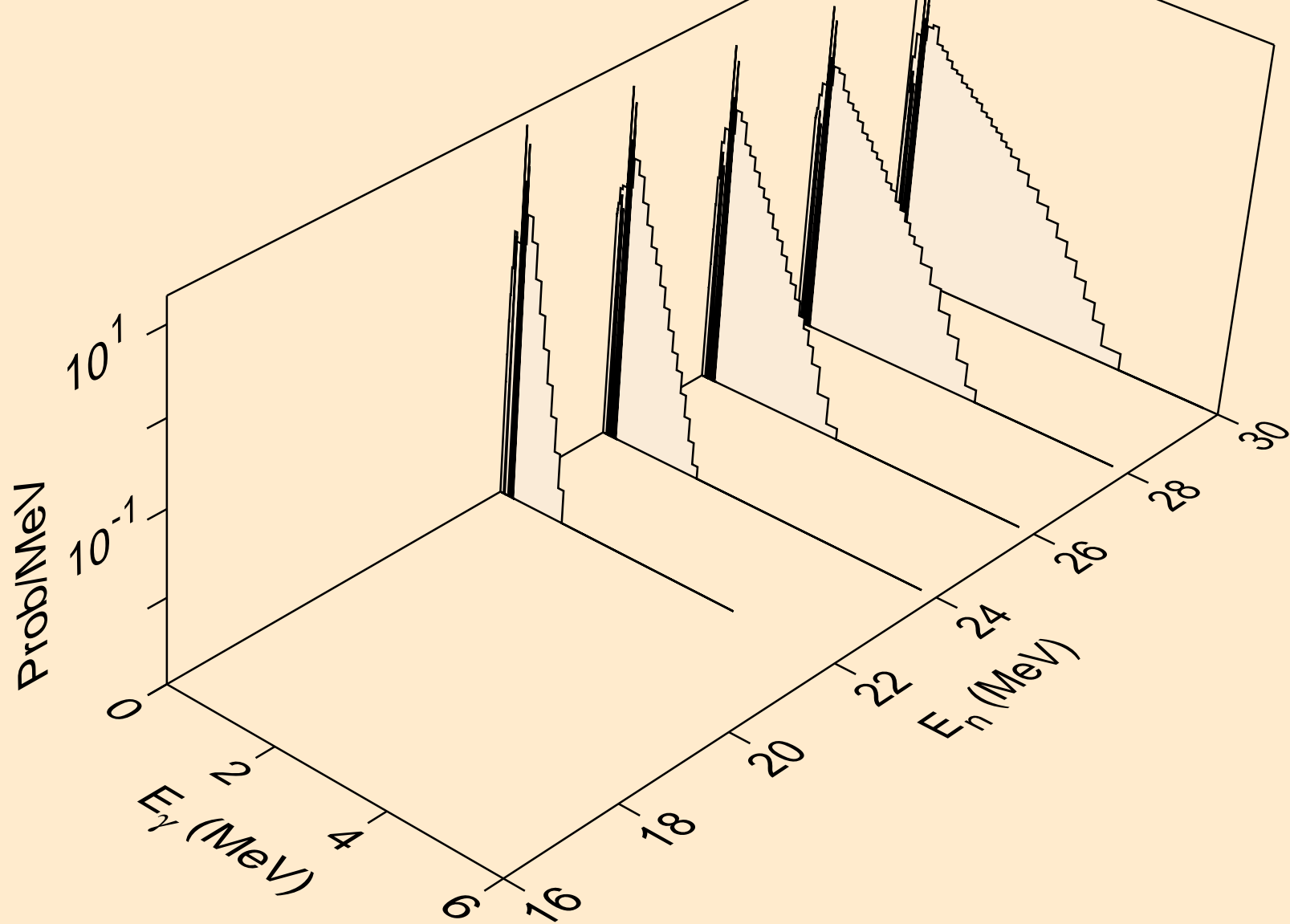
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Photon emission for (n,2p)



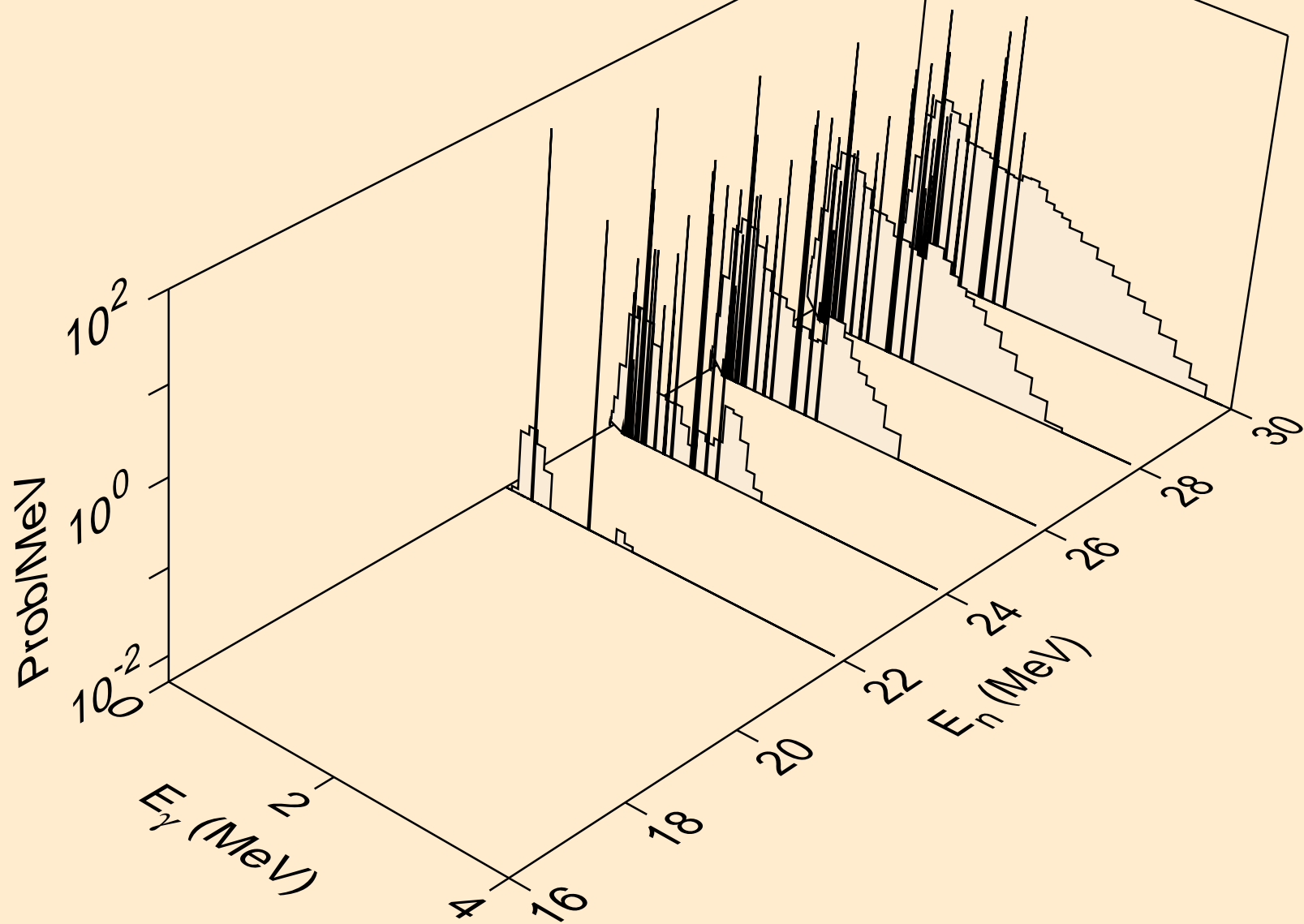
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



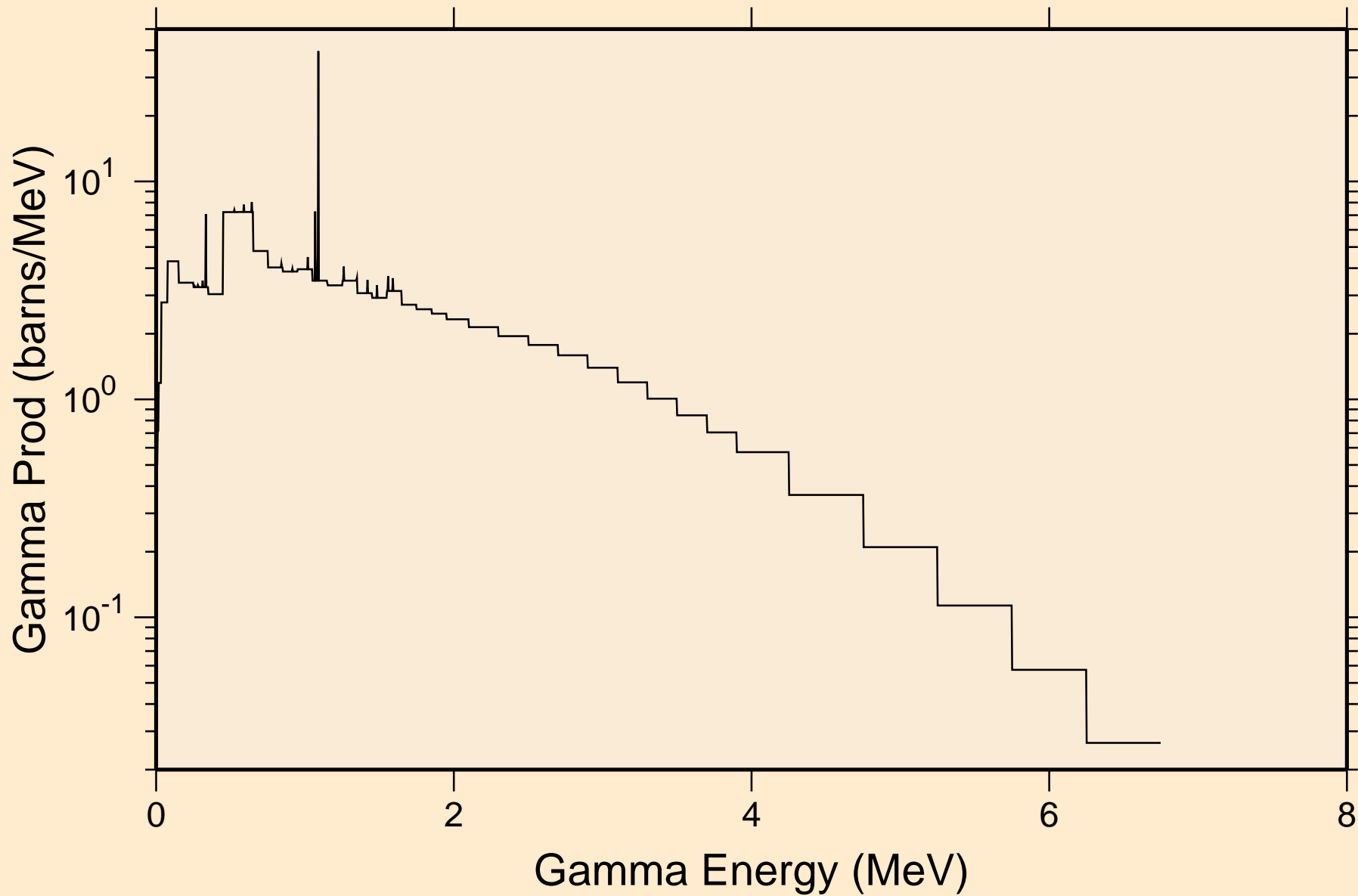
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



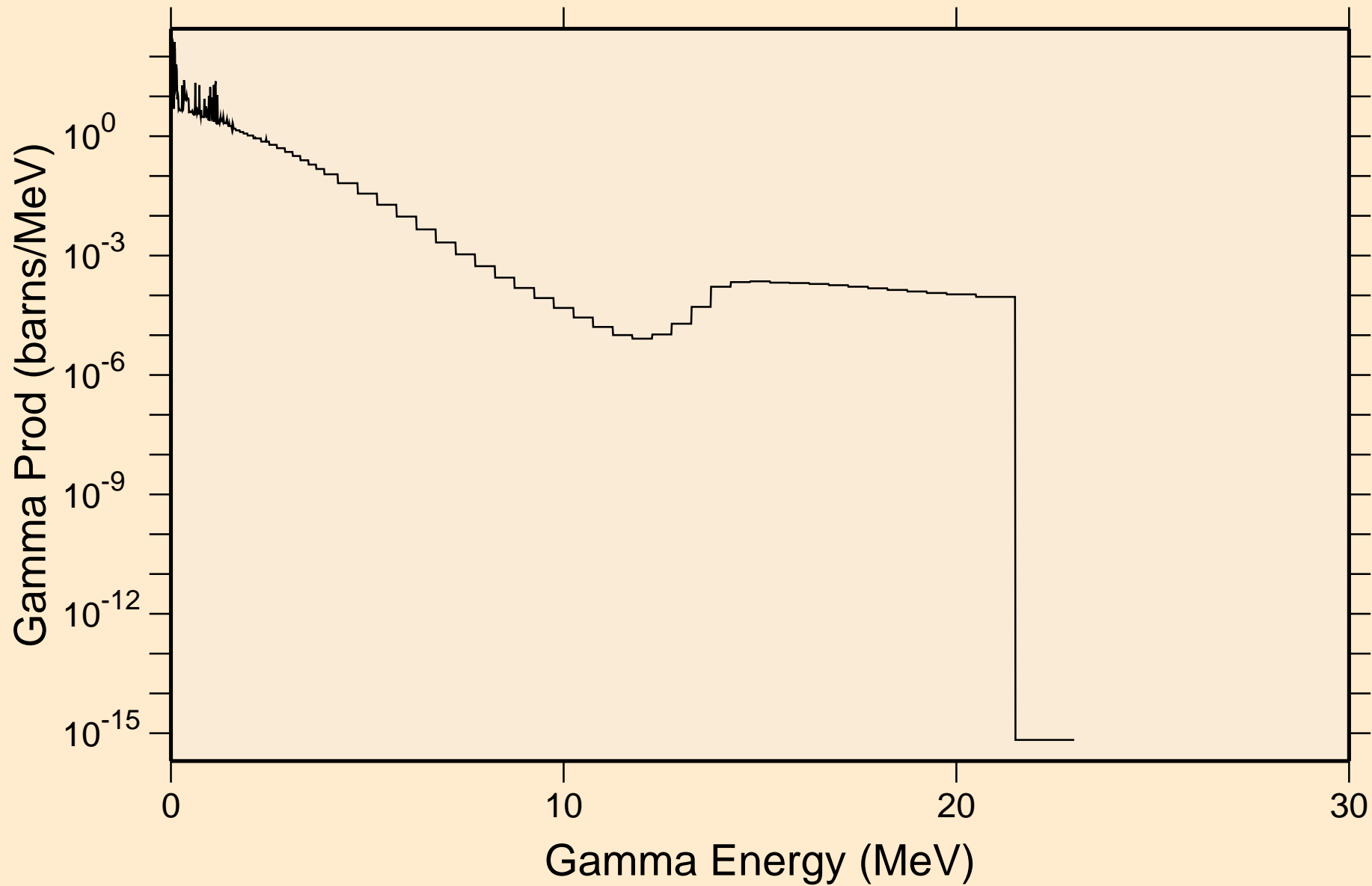
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

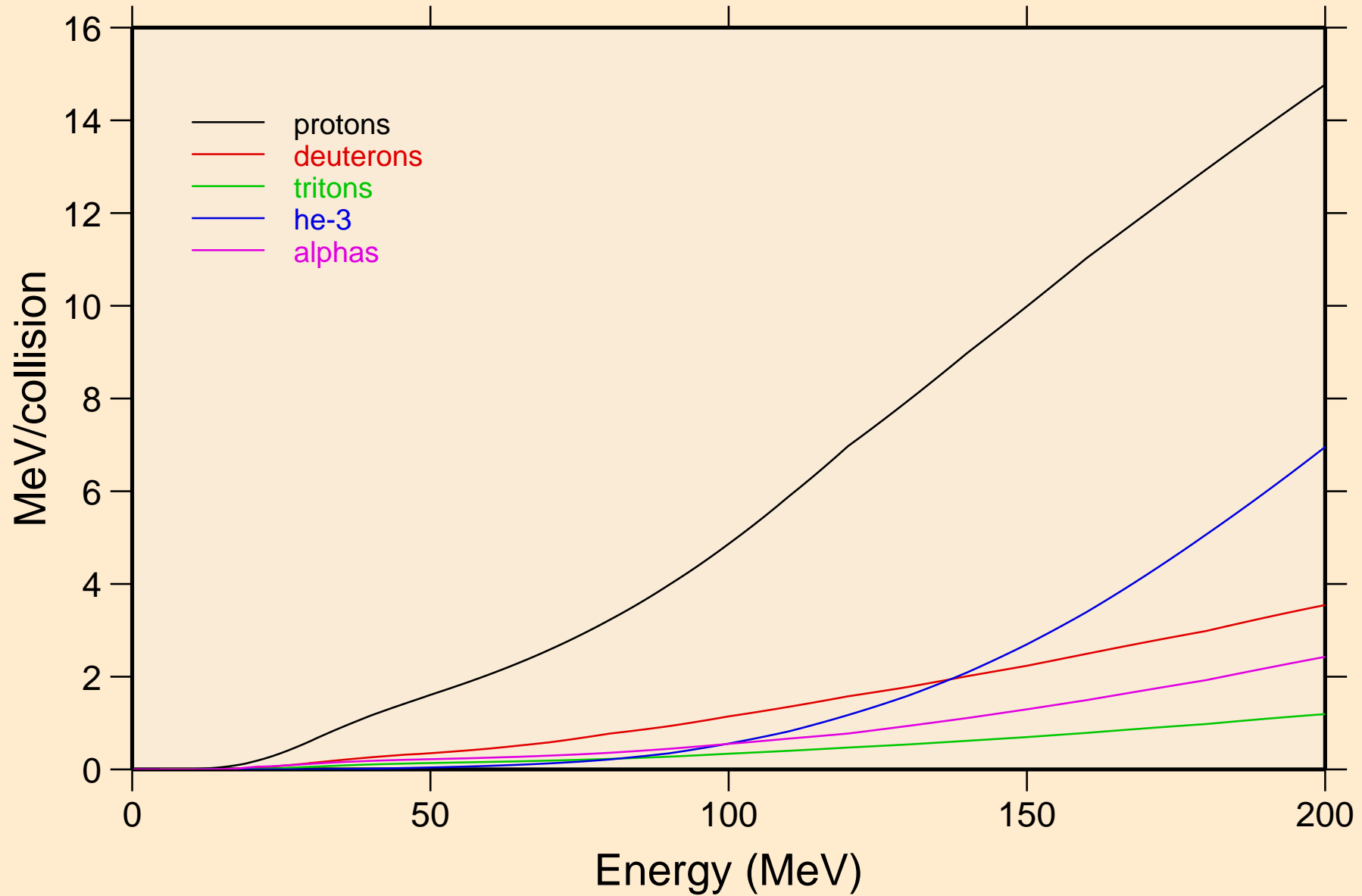


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

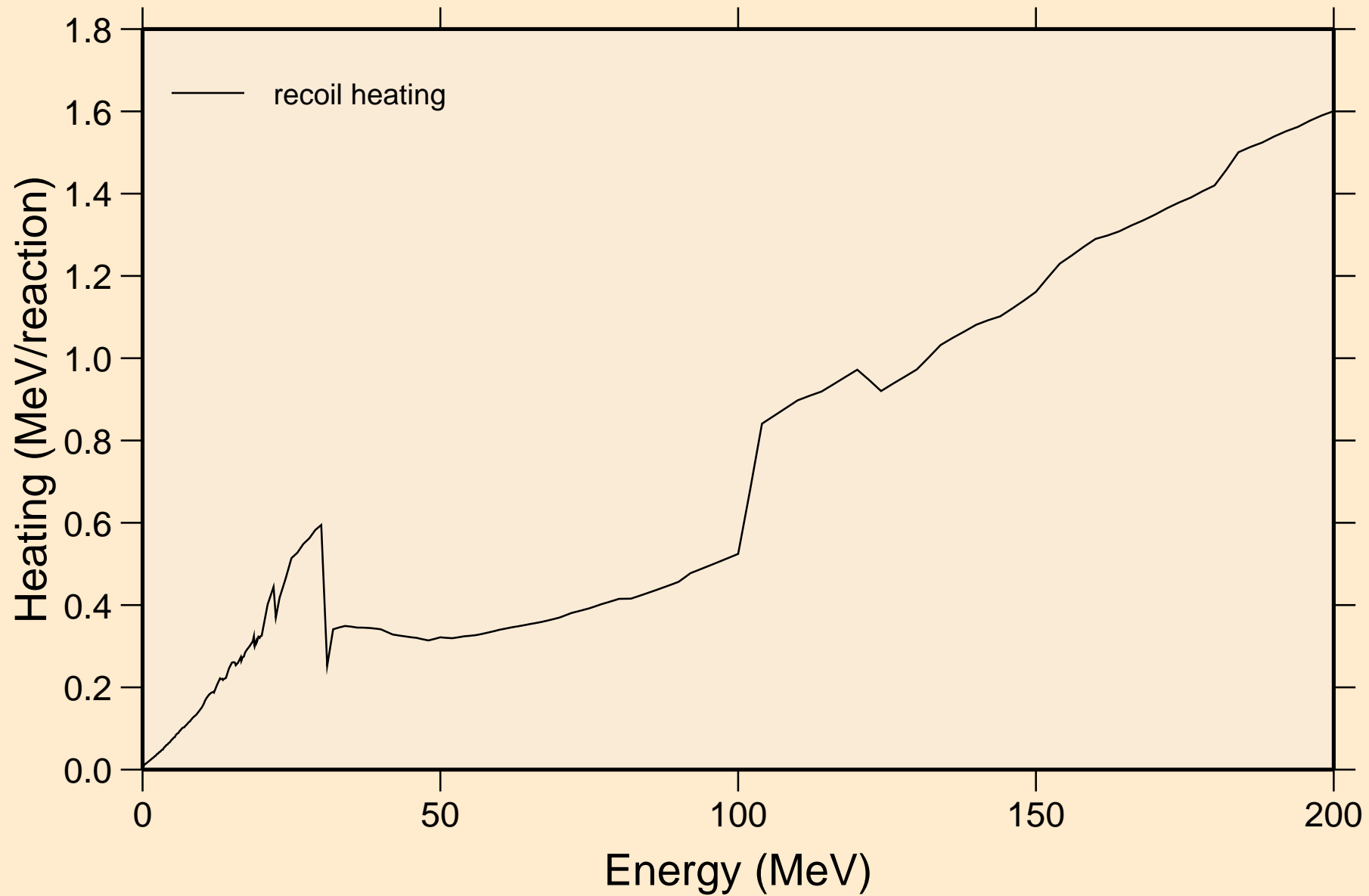
## Particle heating contributions



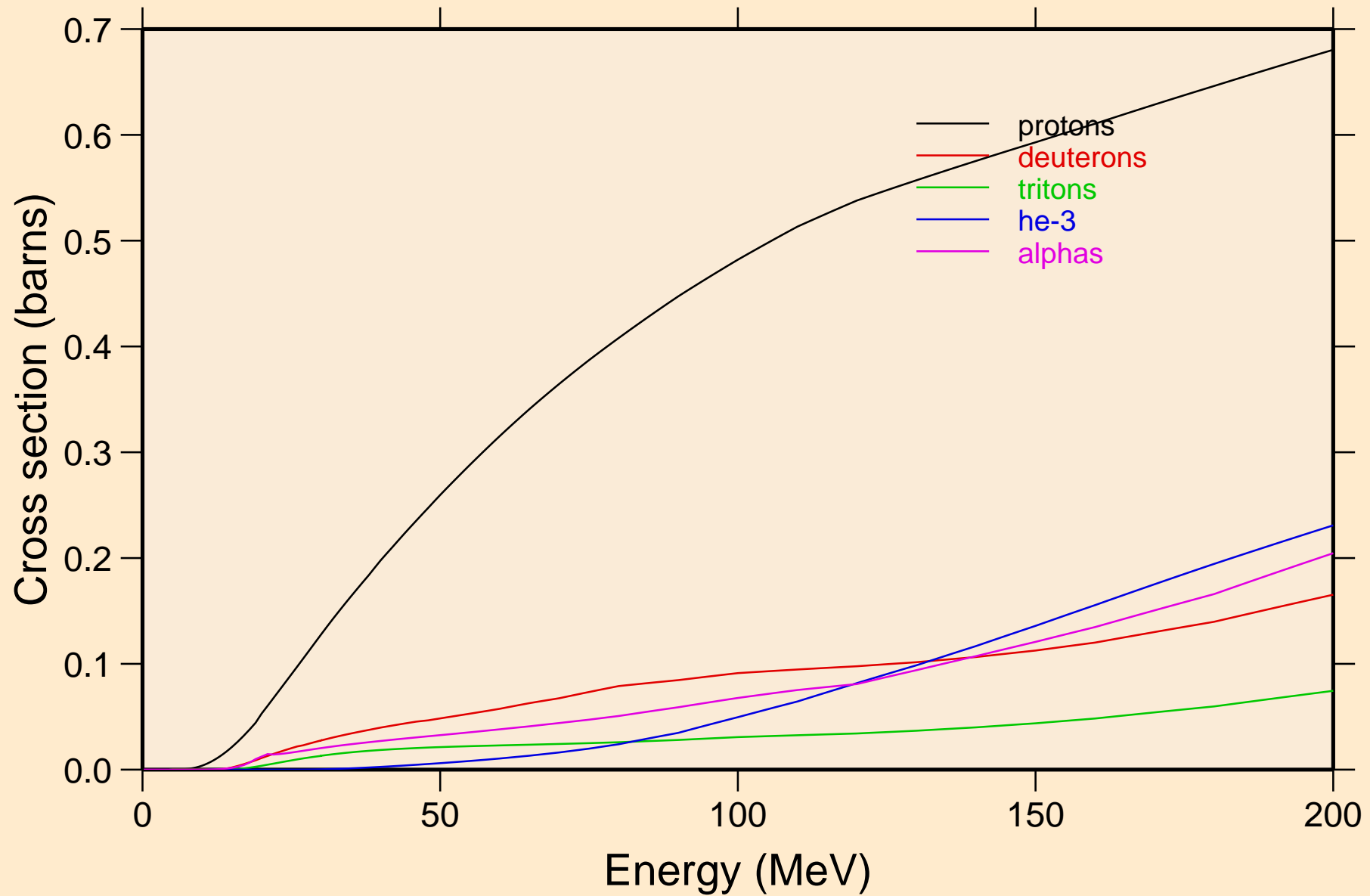


# SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

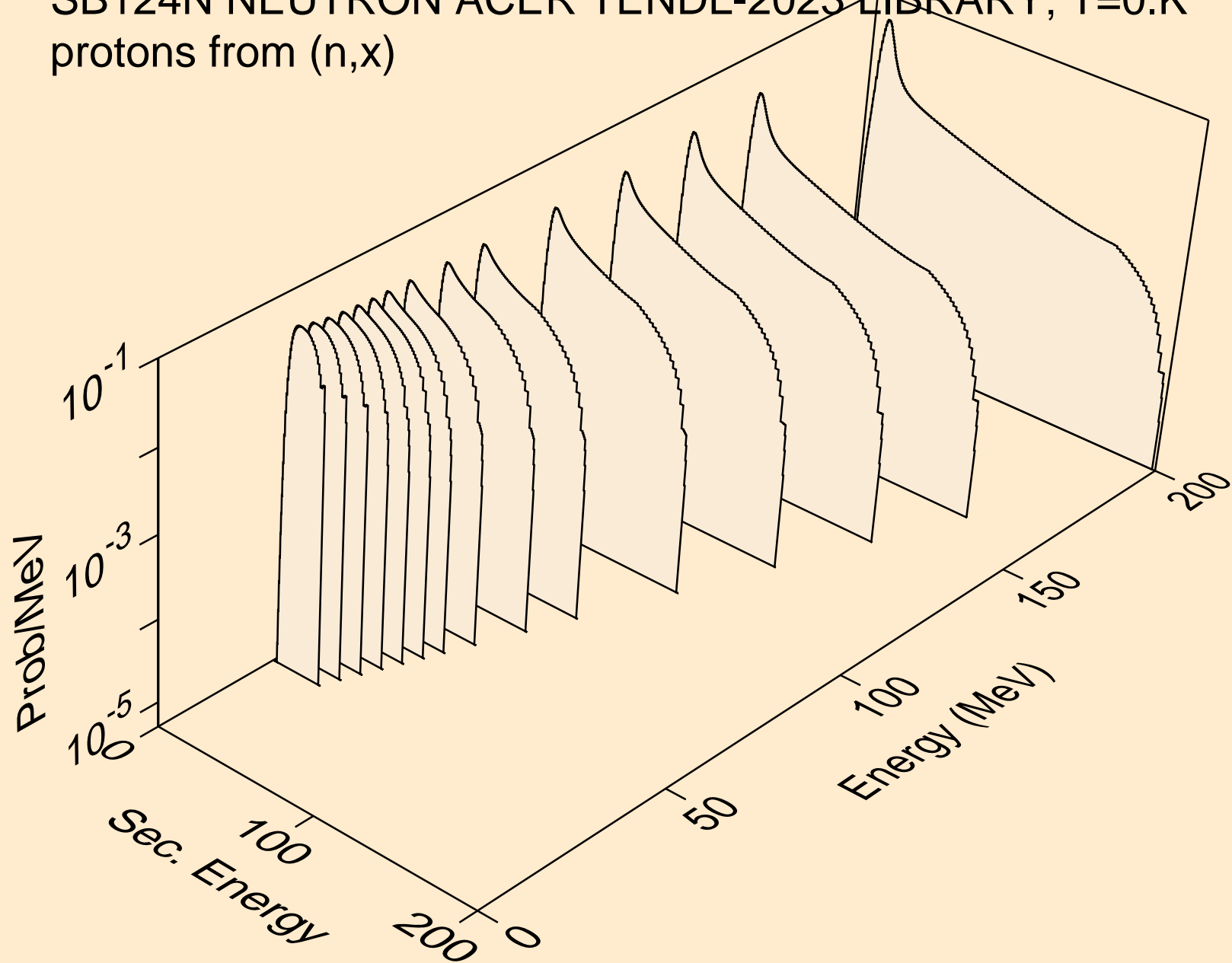
## Recoil Heating



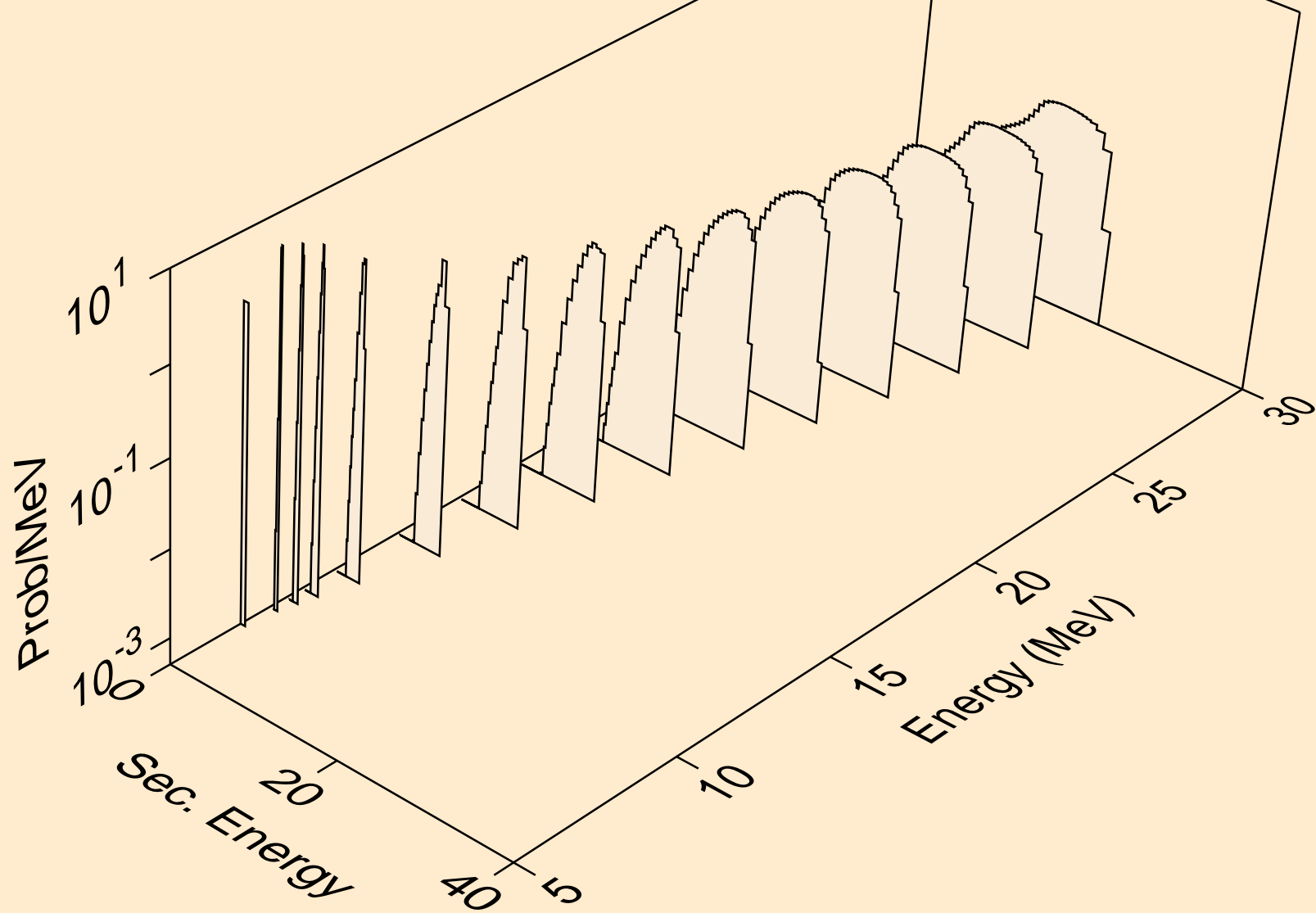
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



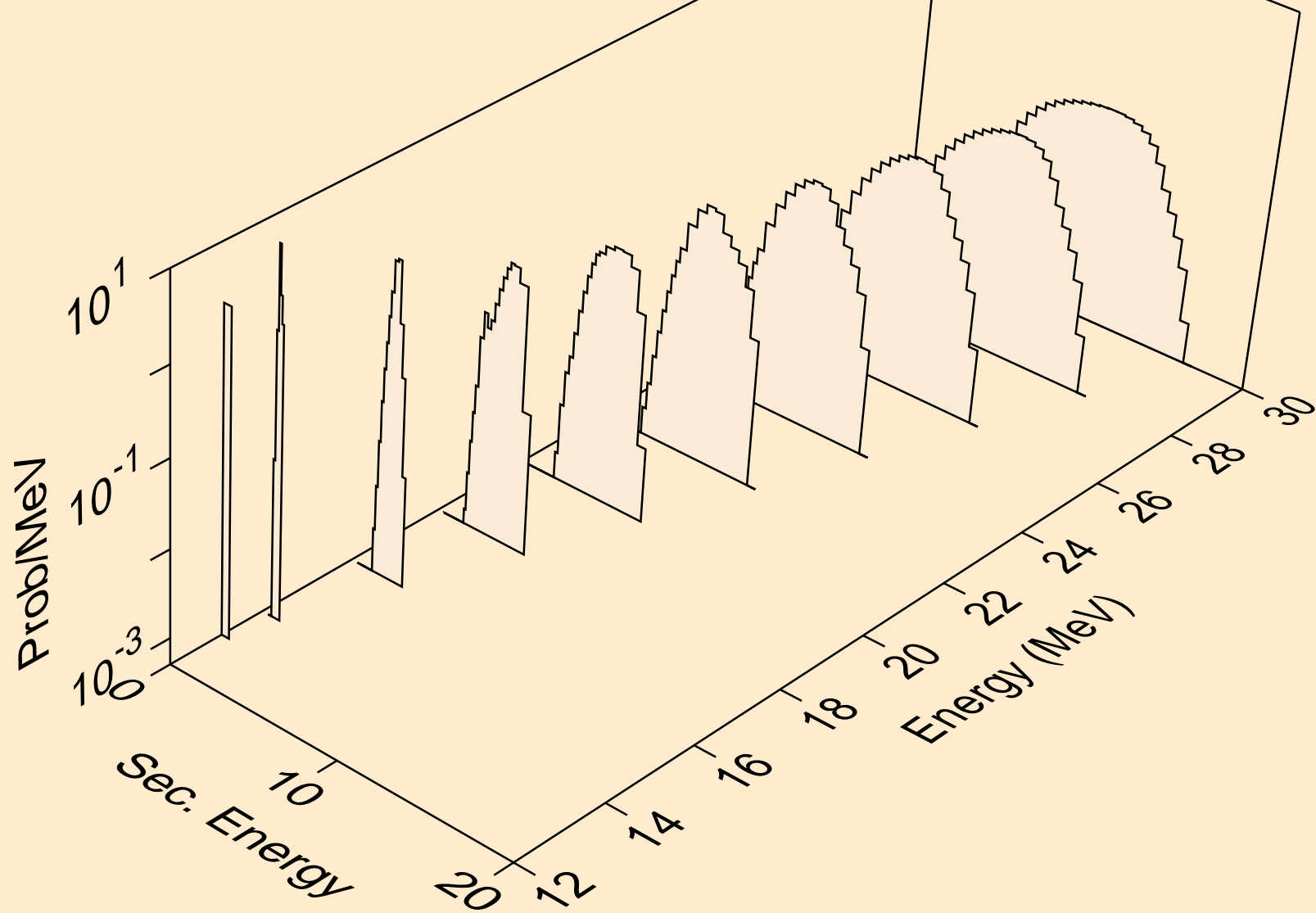
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



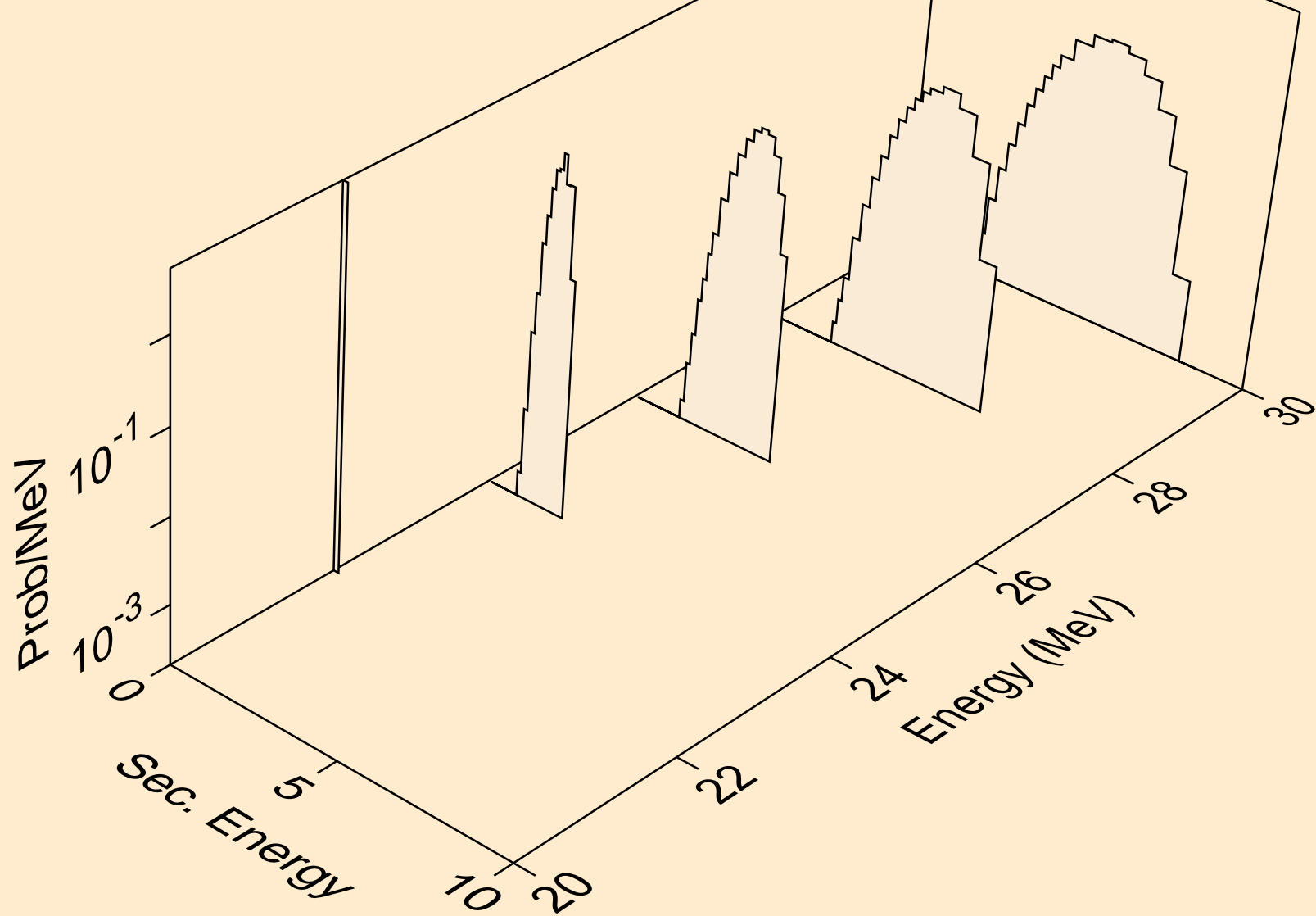
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



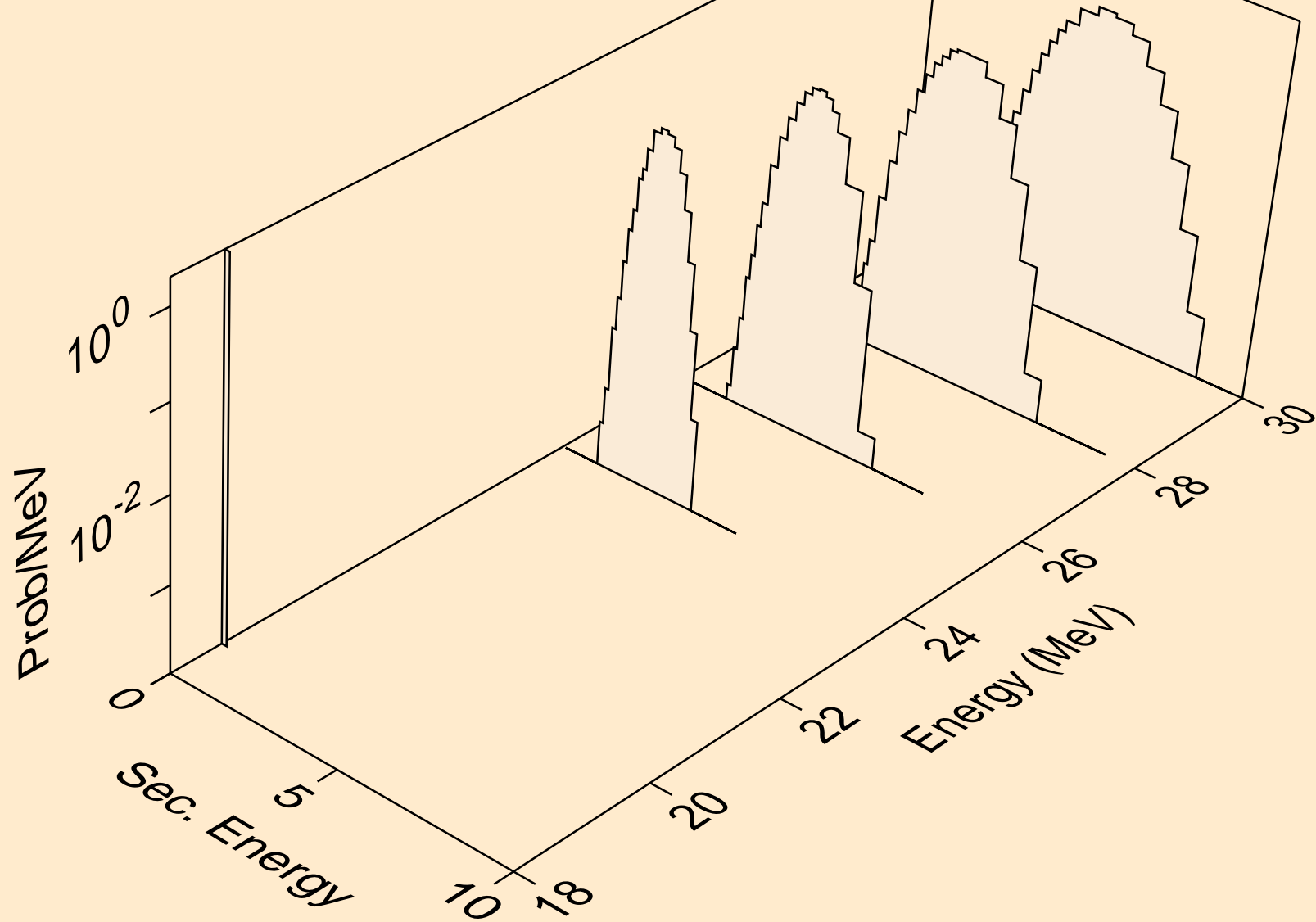
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protons from (n,2np)



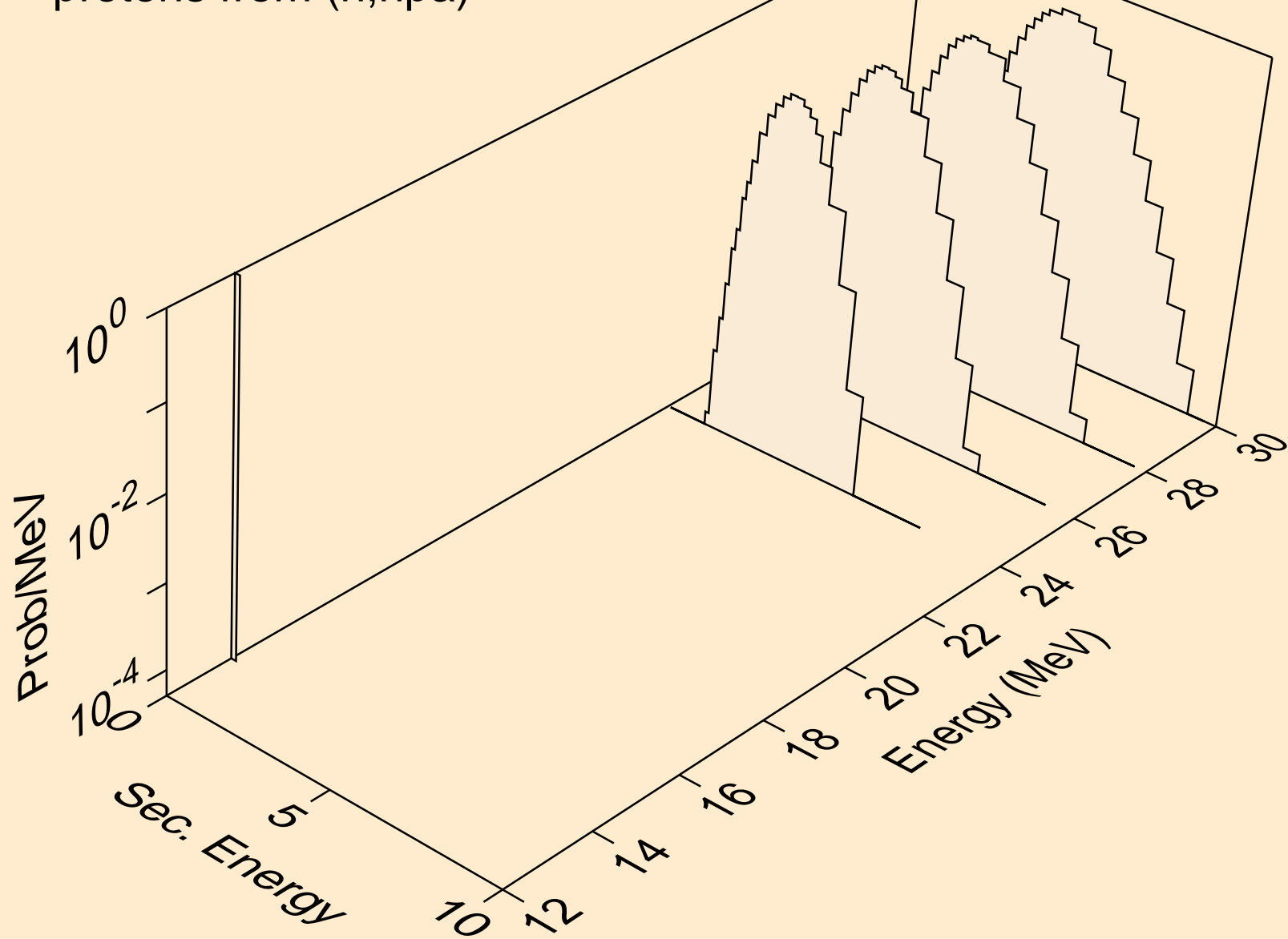
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,3np)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n2p)

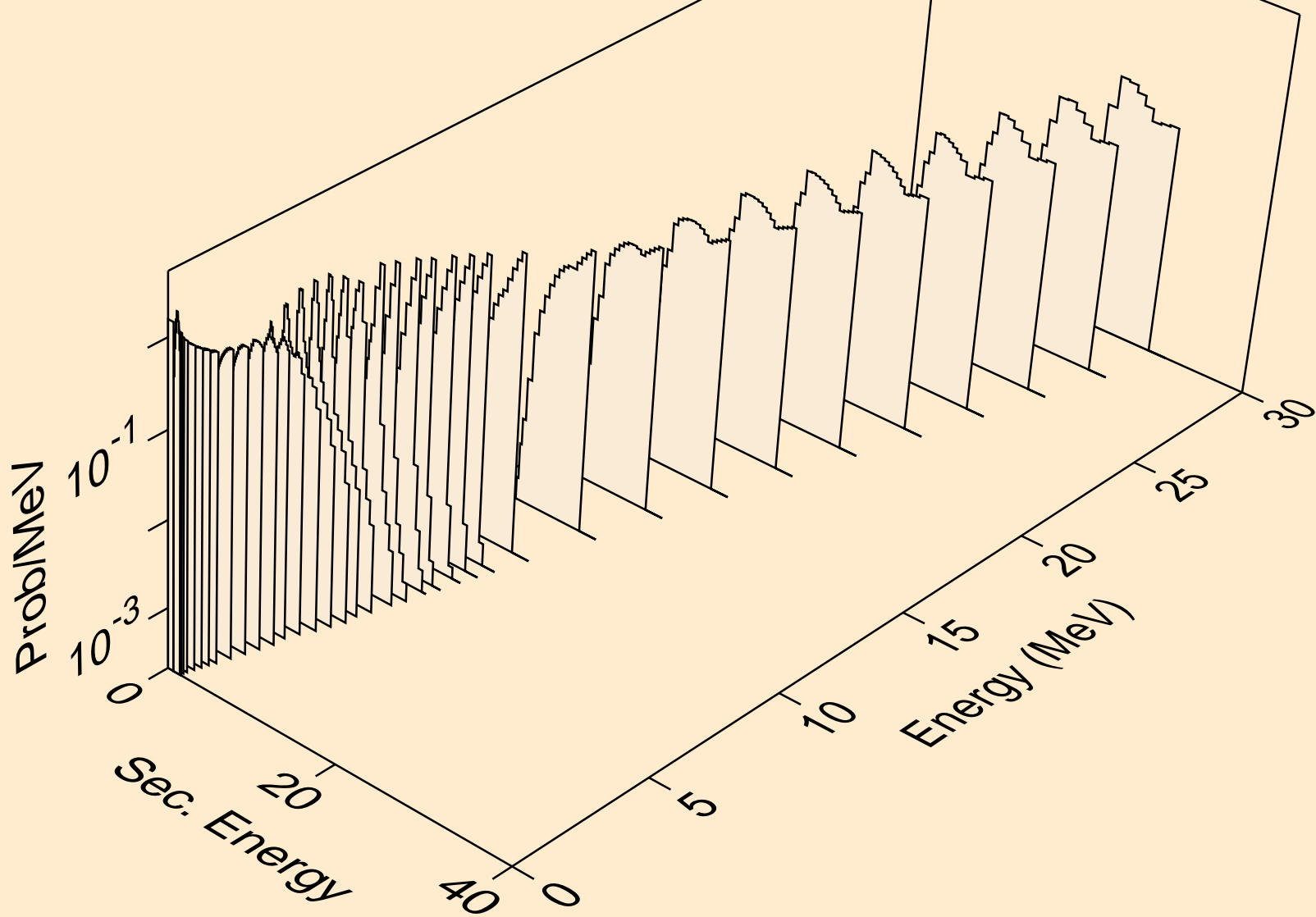


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protons from (n,npa)

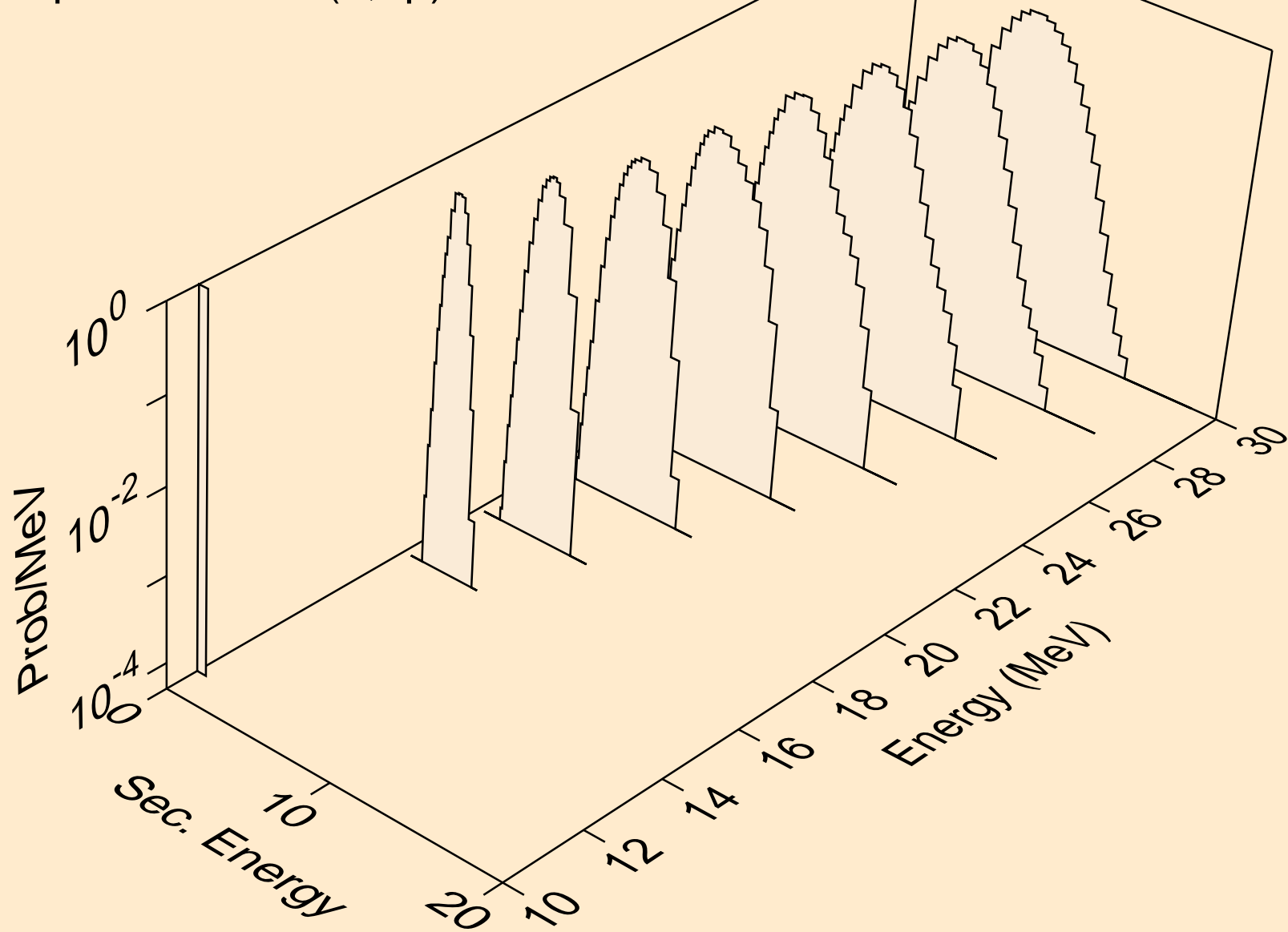




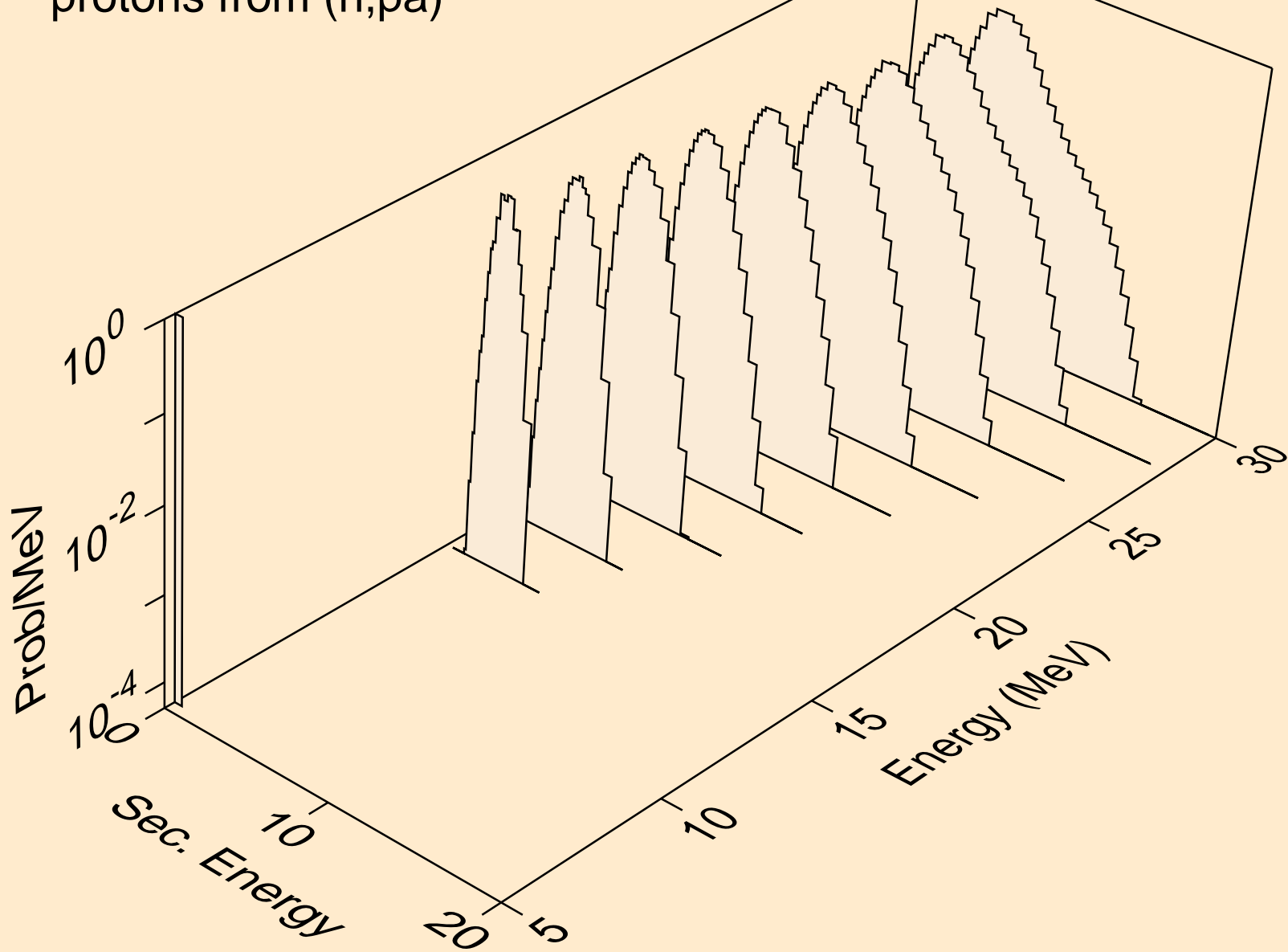
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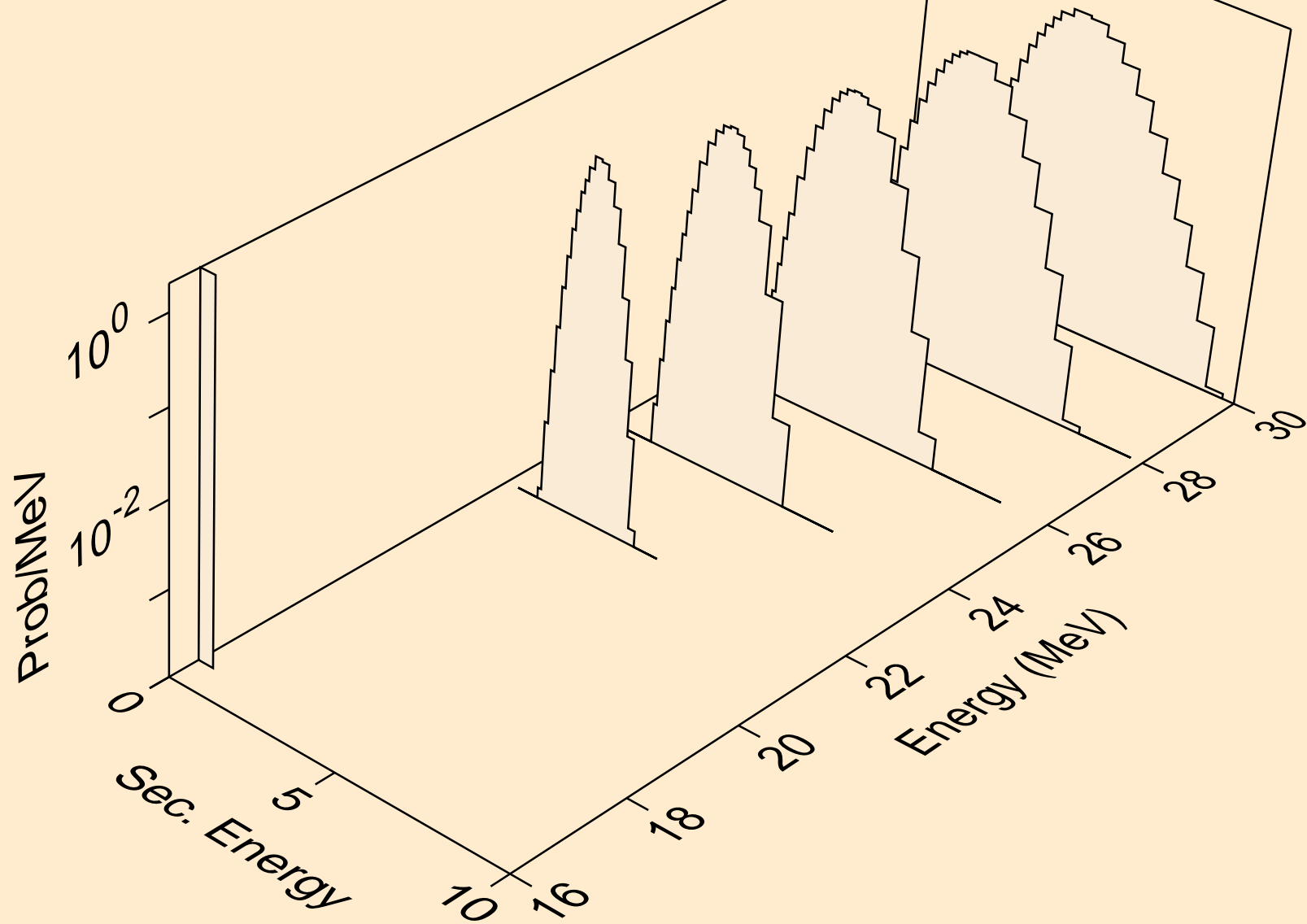
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protons from (n,2p)



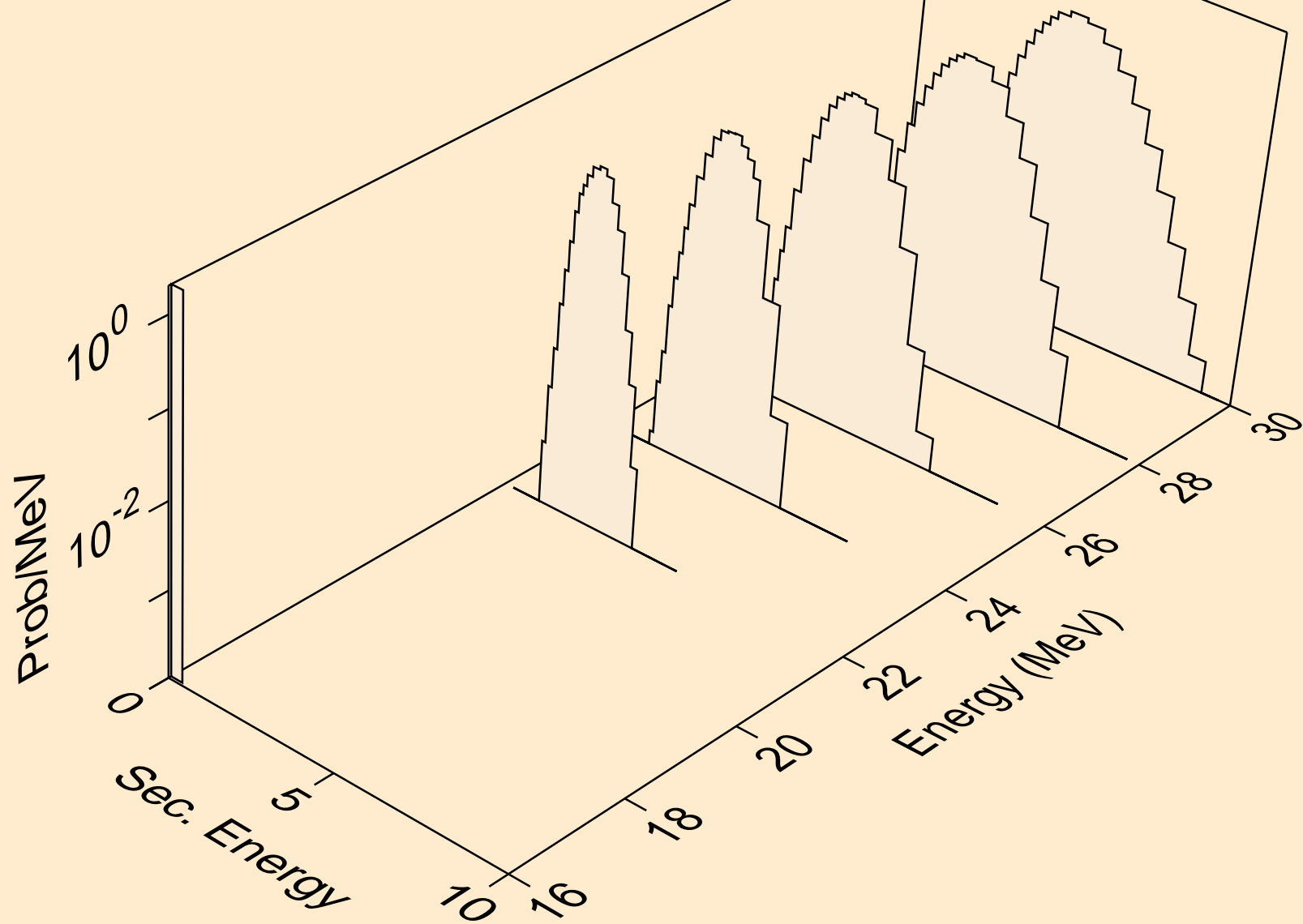
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protons from (n,pa)



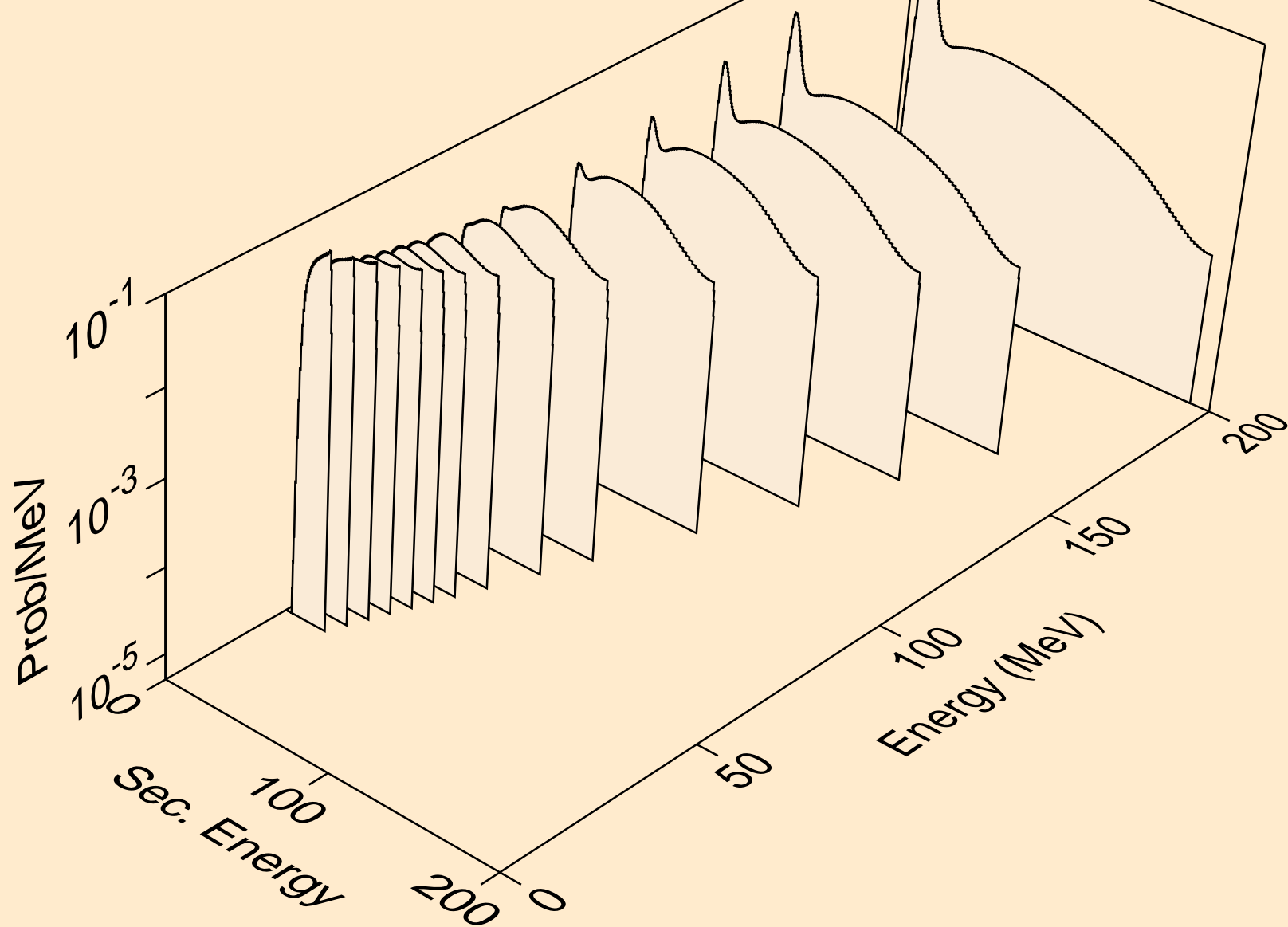
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protons from (n,pd)



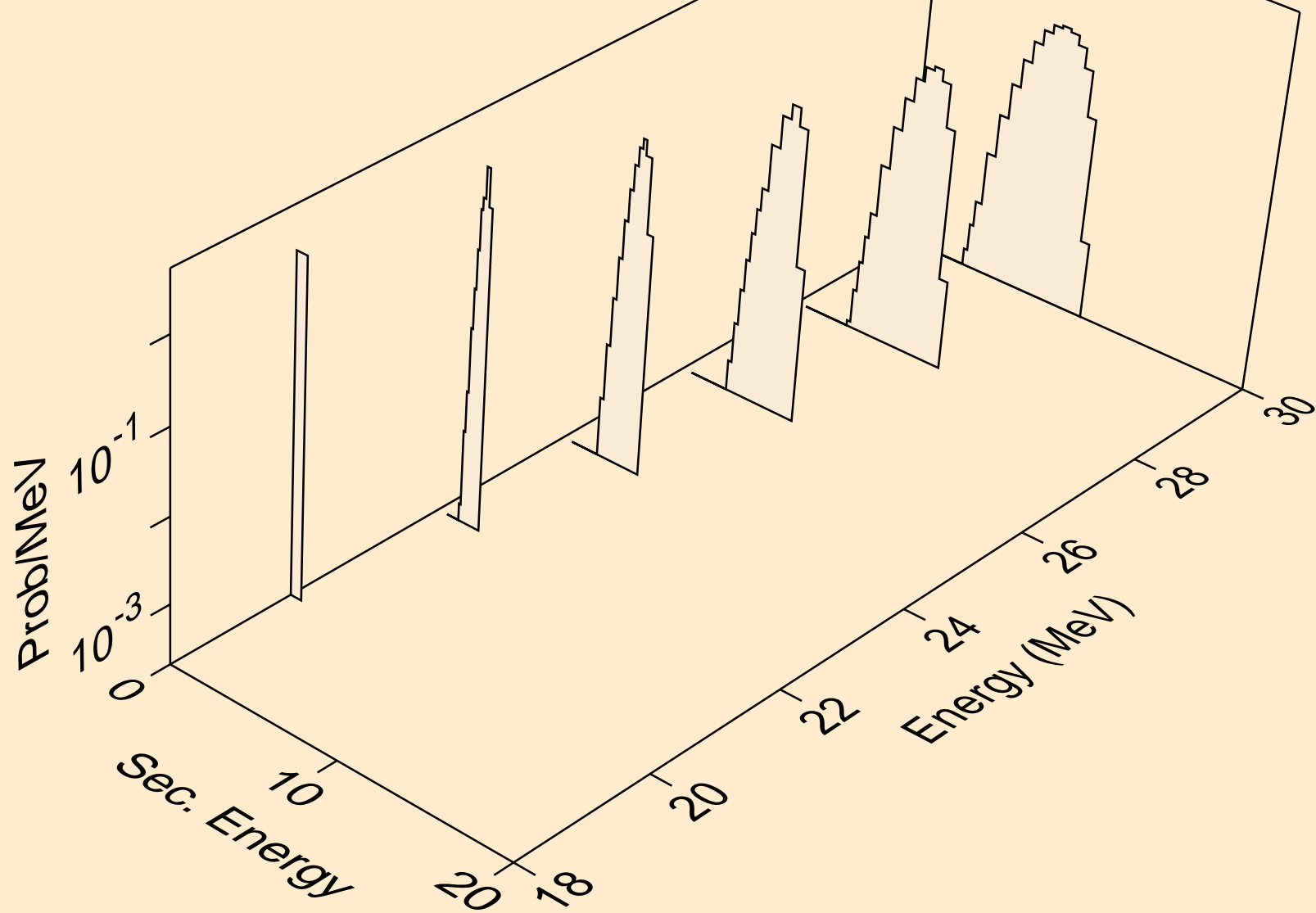
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protons from (n,pt)



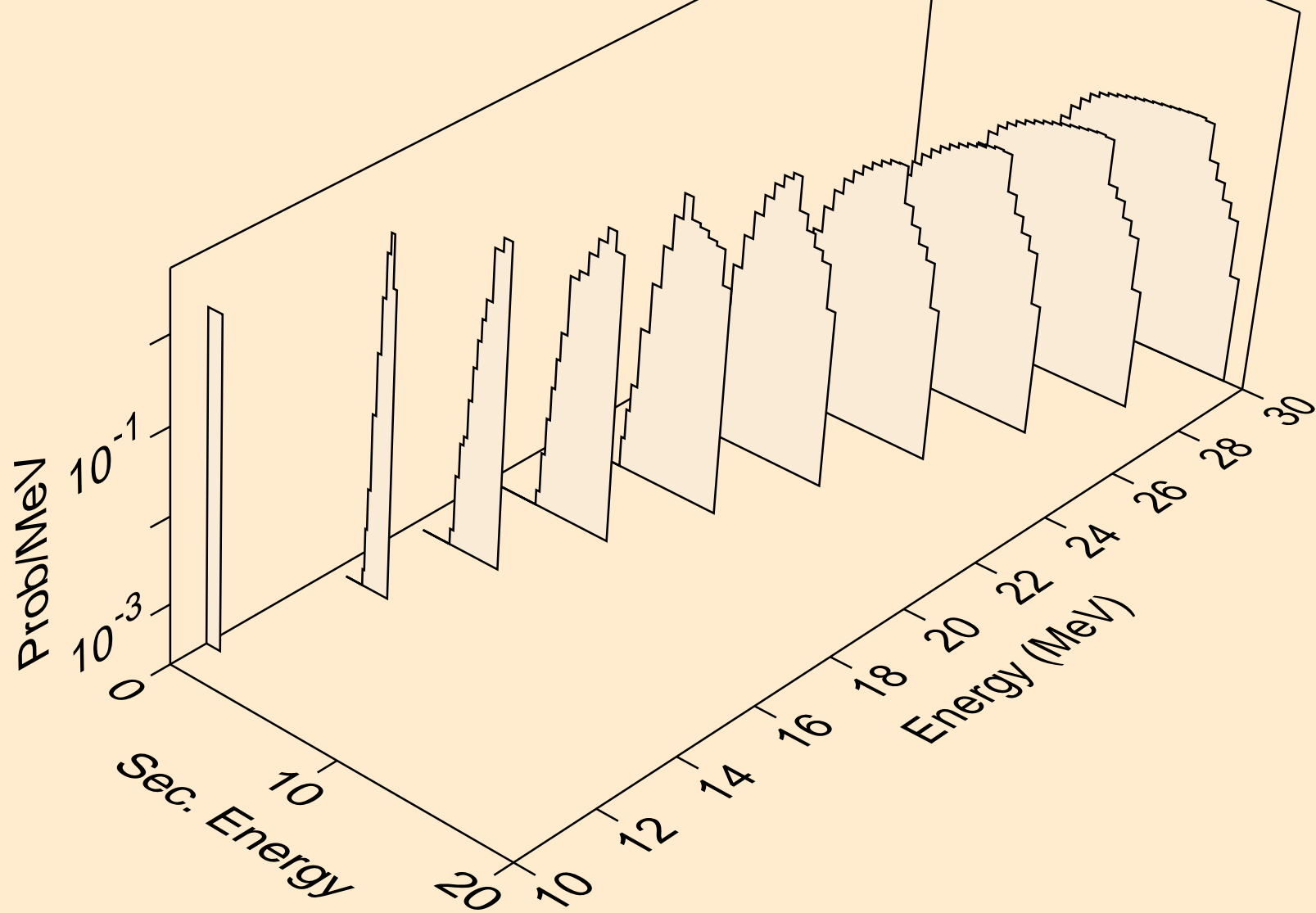
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,x)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,2nd)

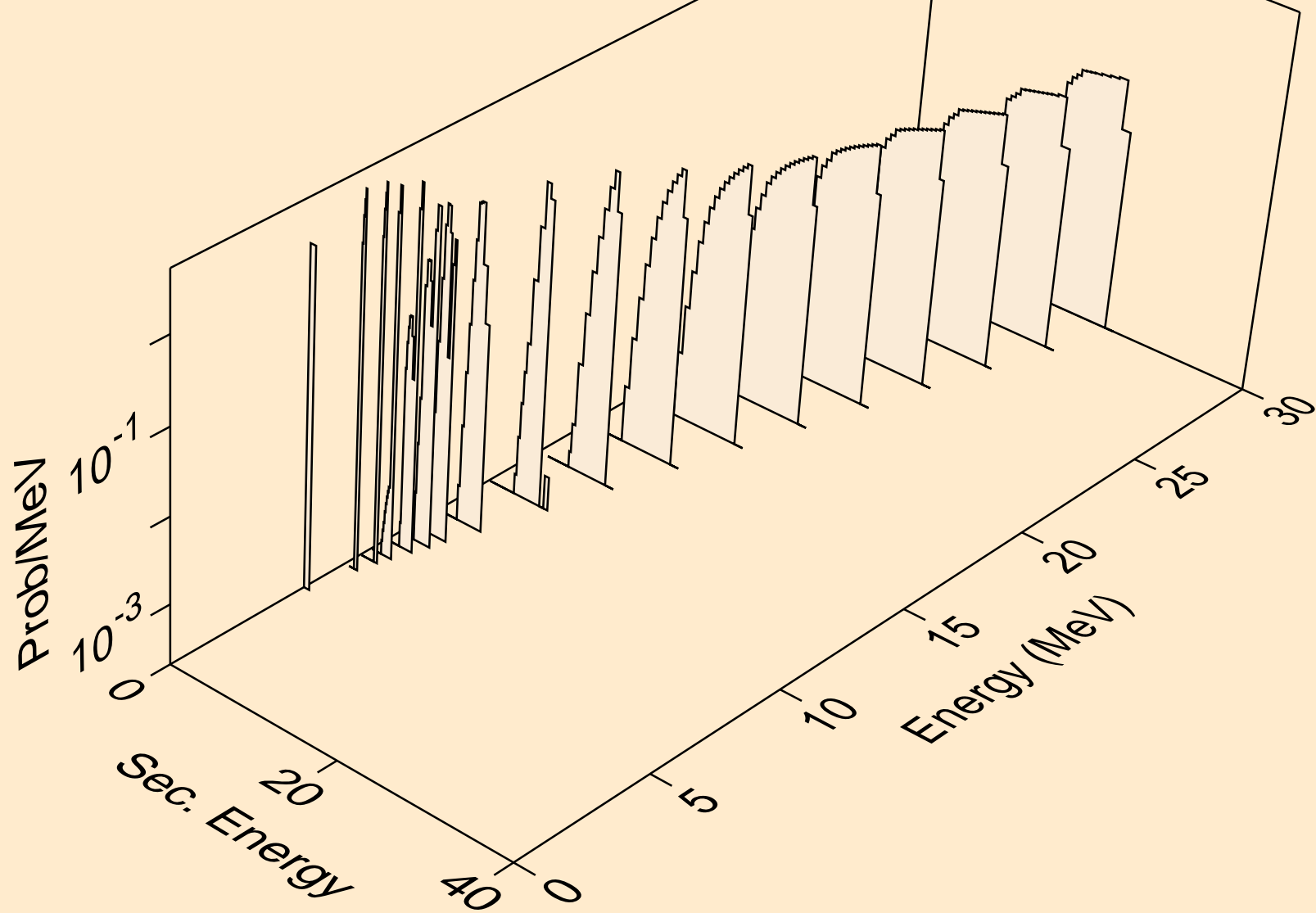


SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,n\*)d

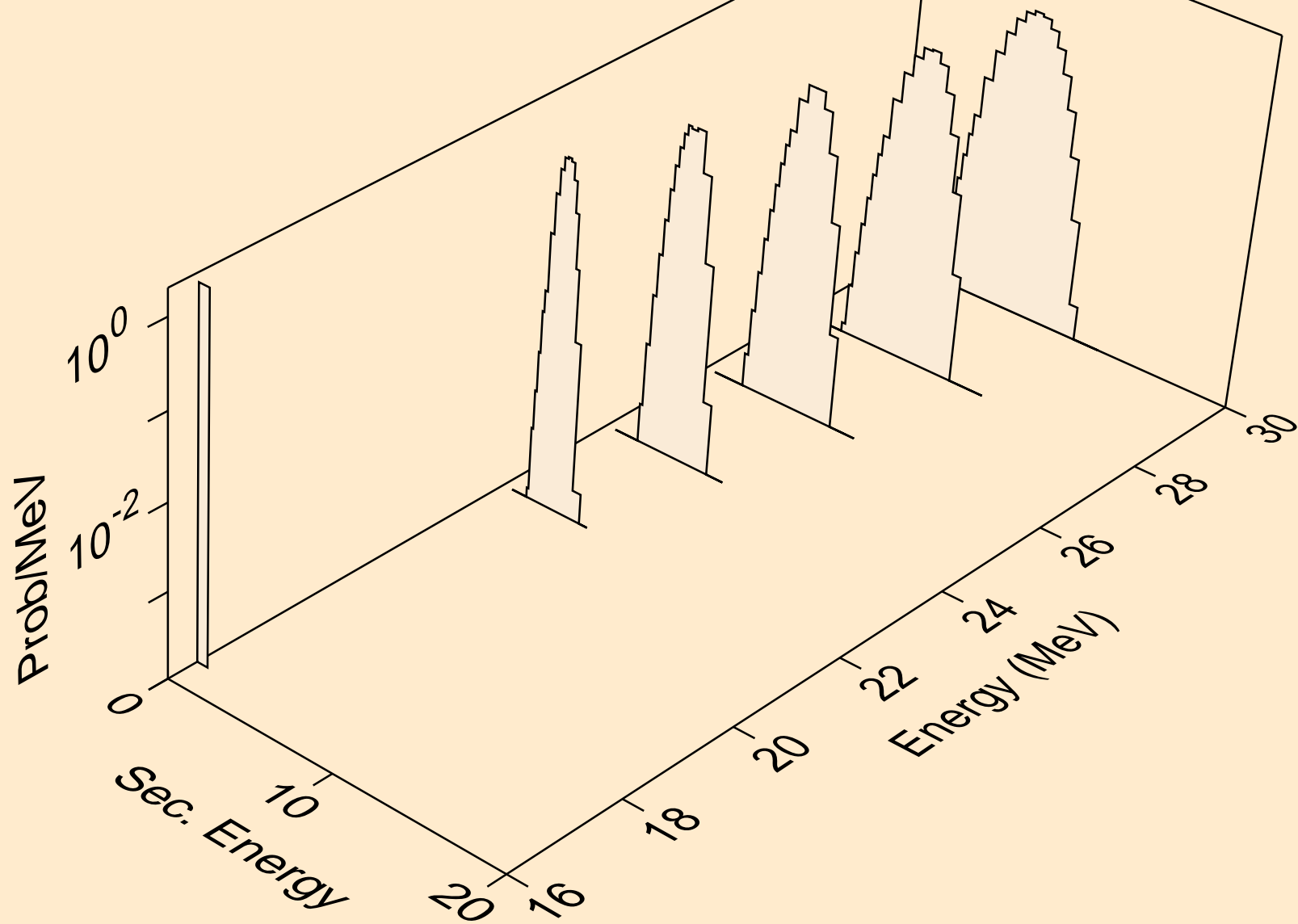




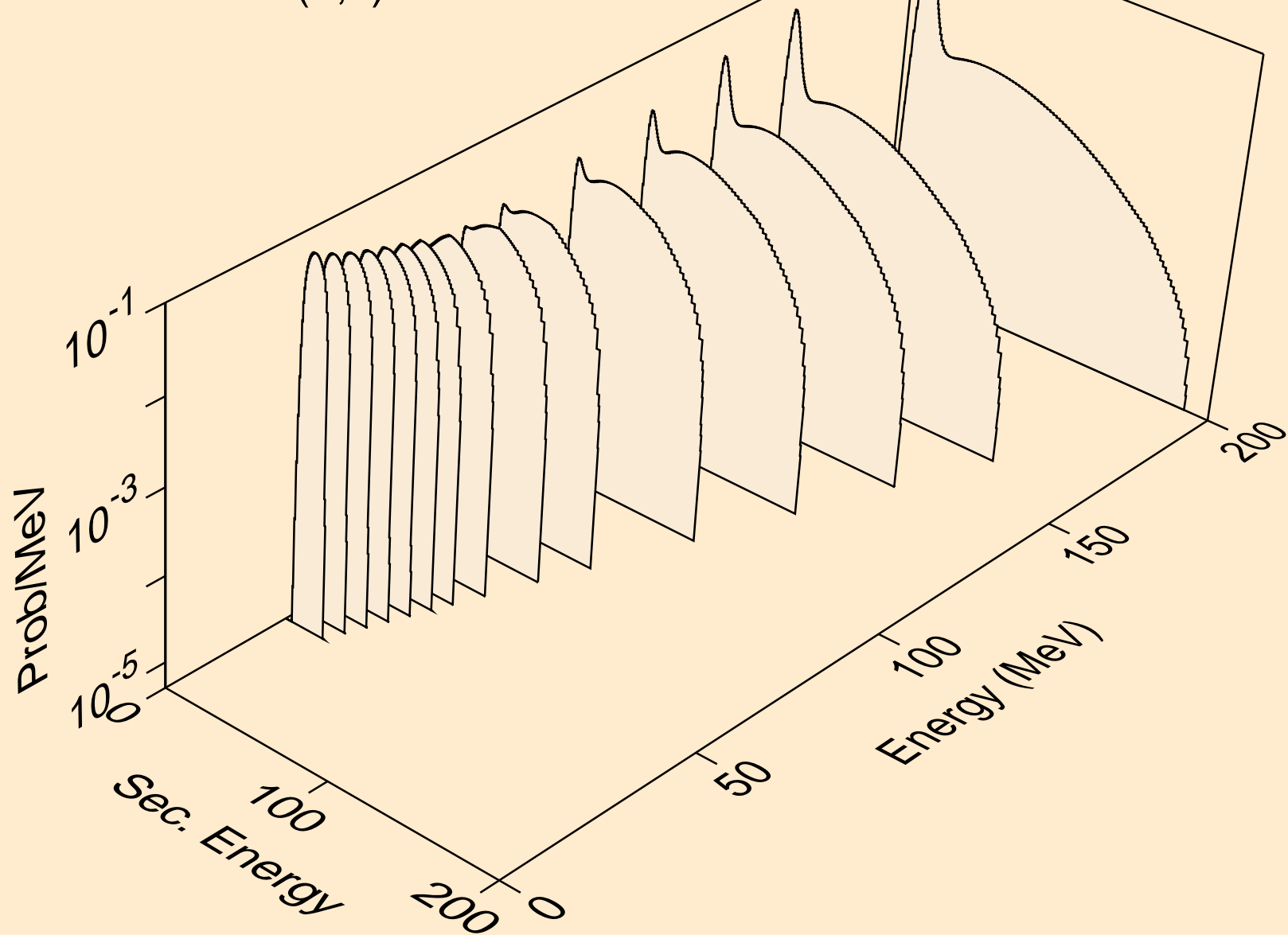
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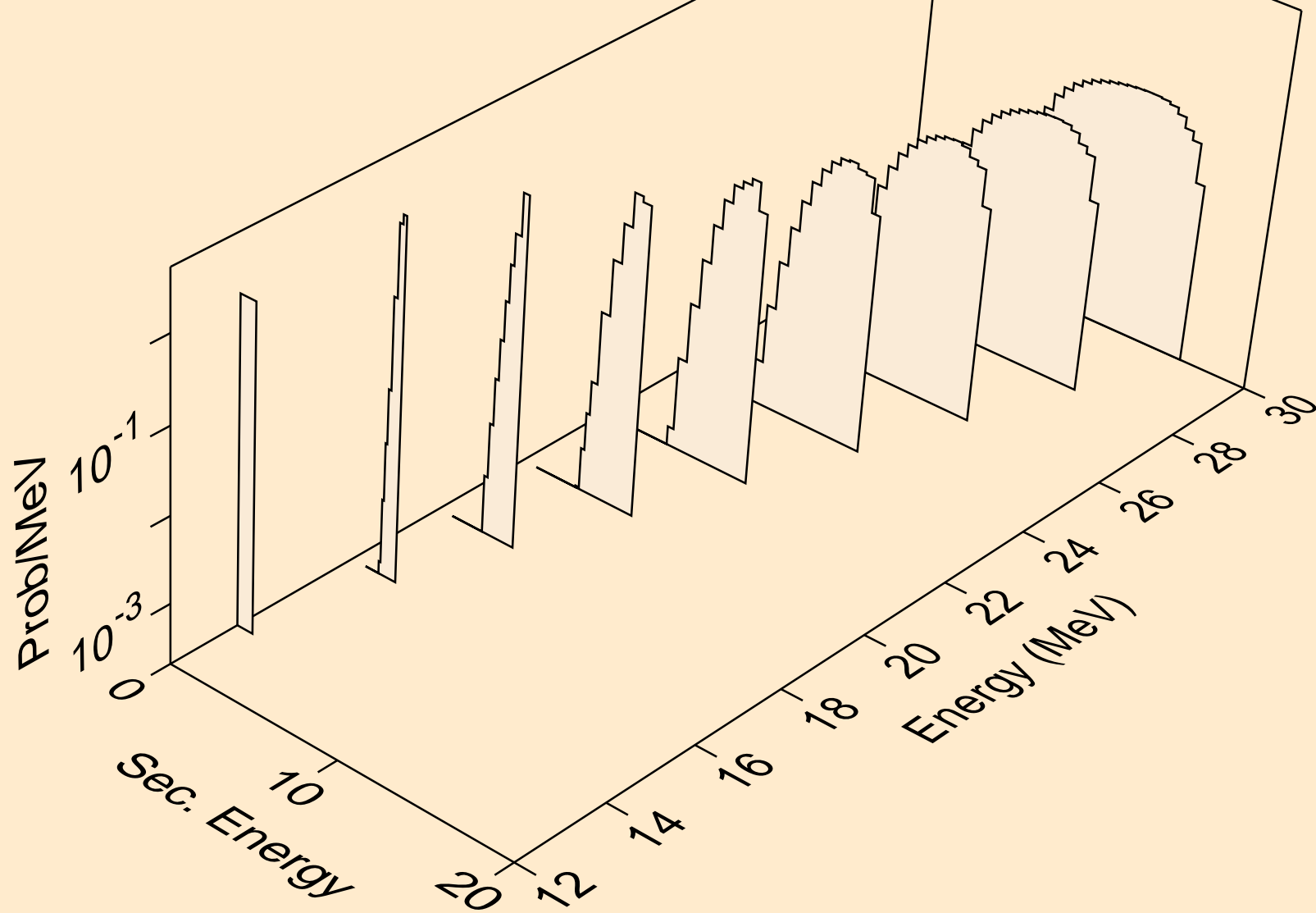
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deuterons from (n,pd)



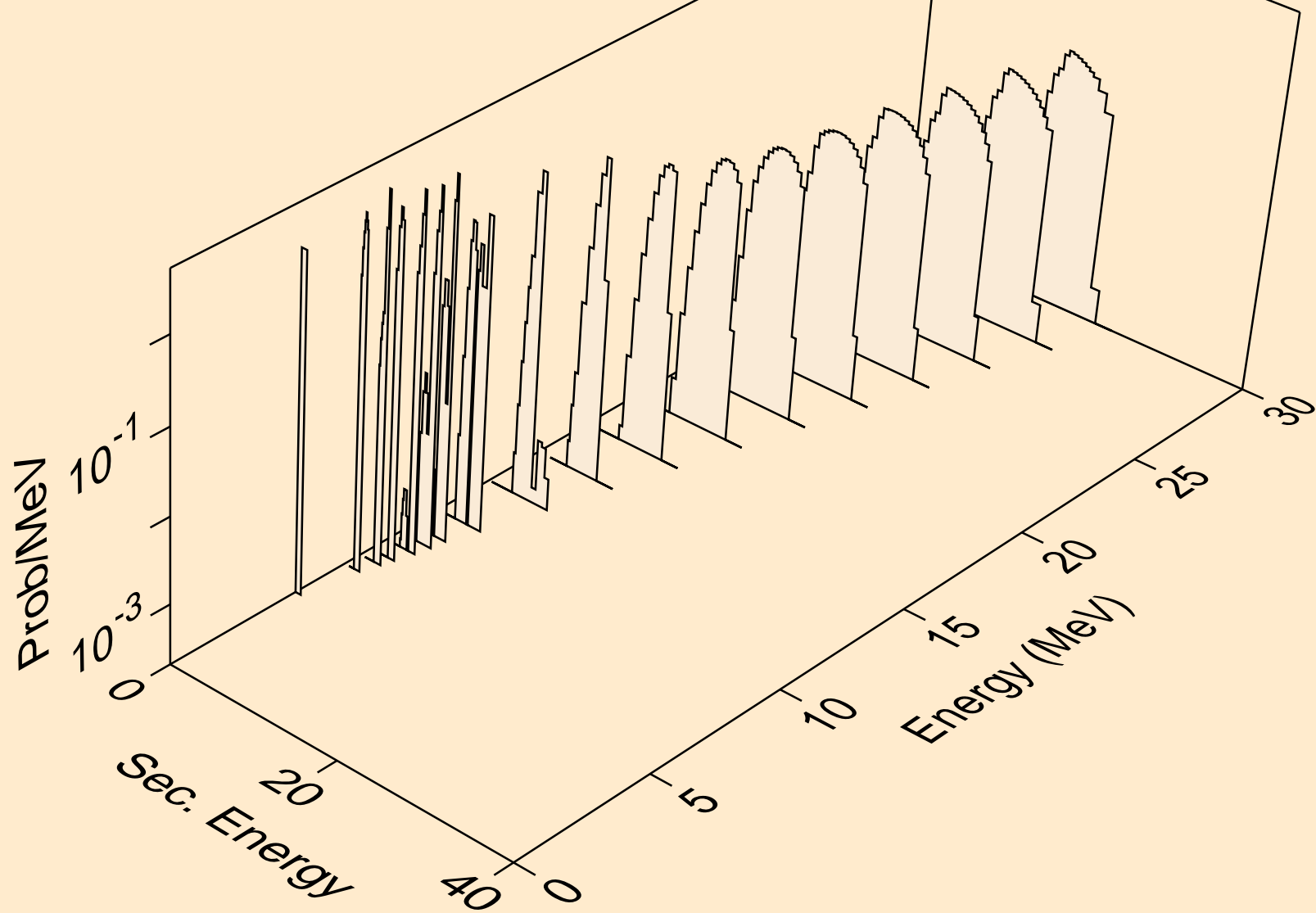
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tritons from (n,x)



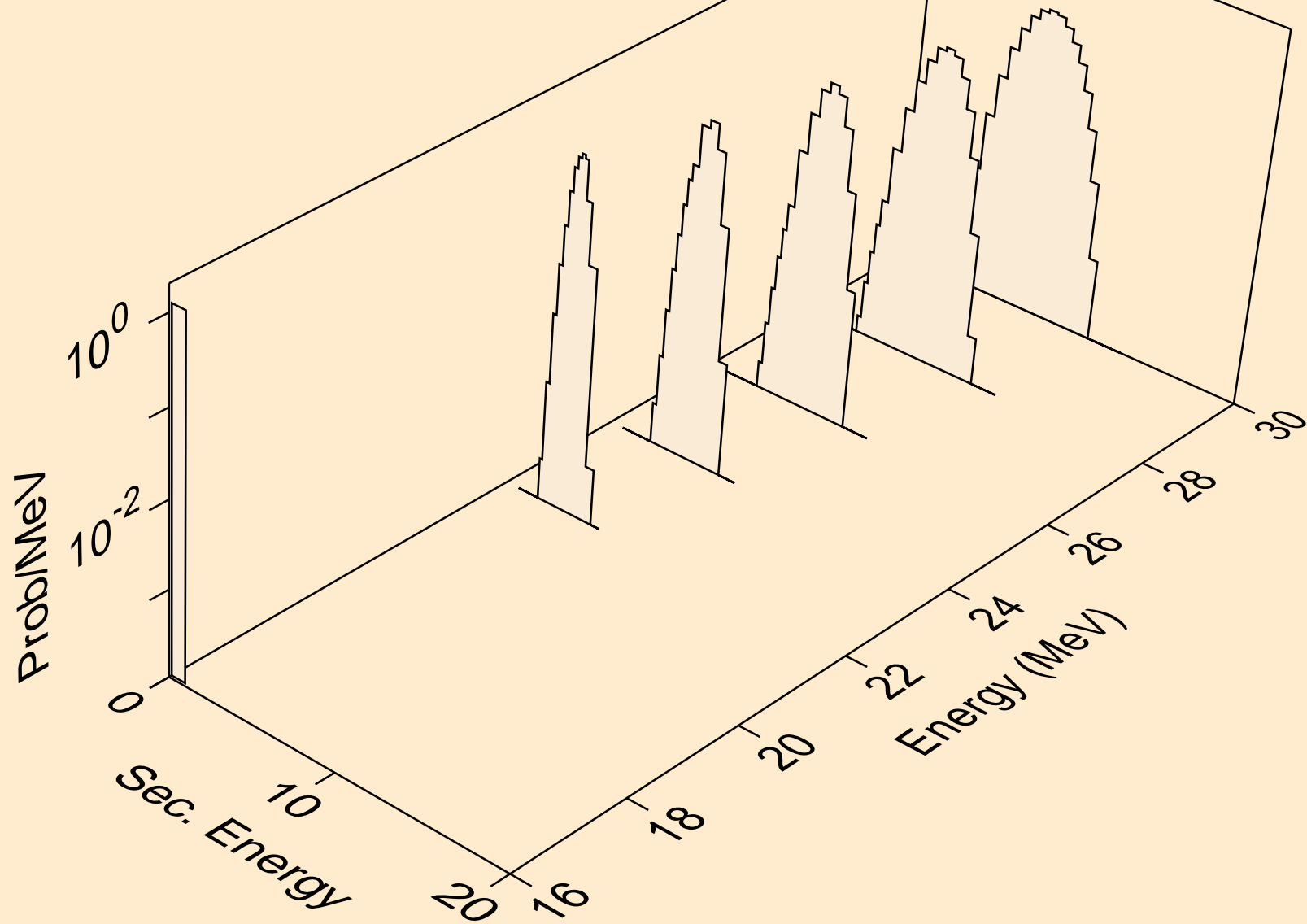
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



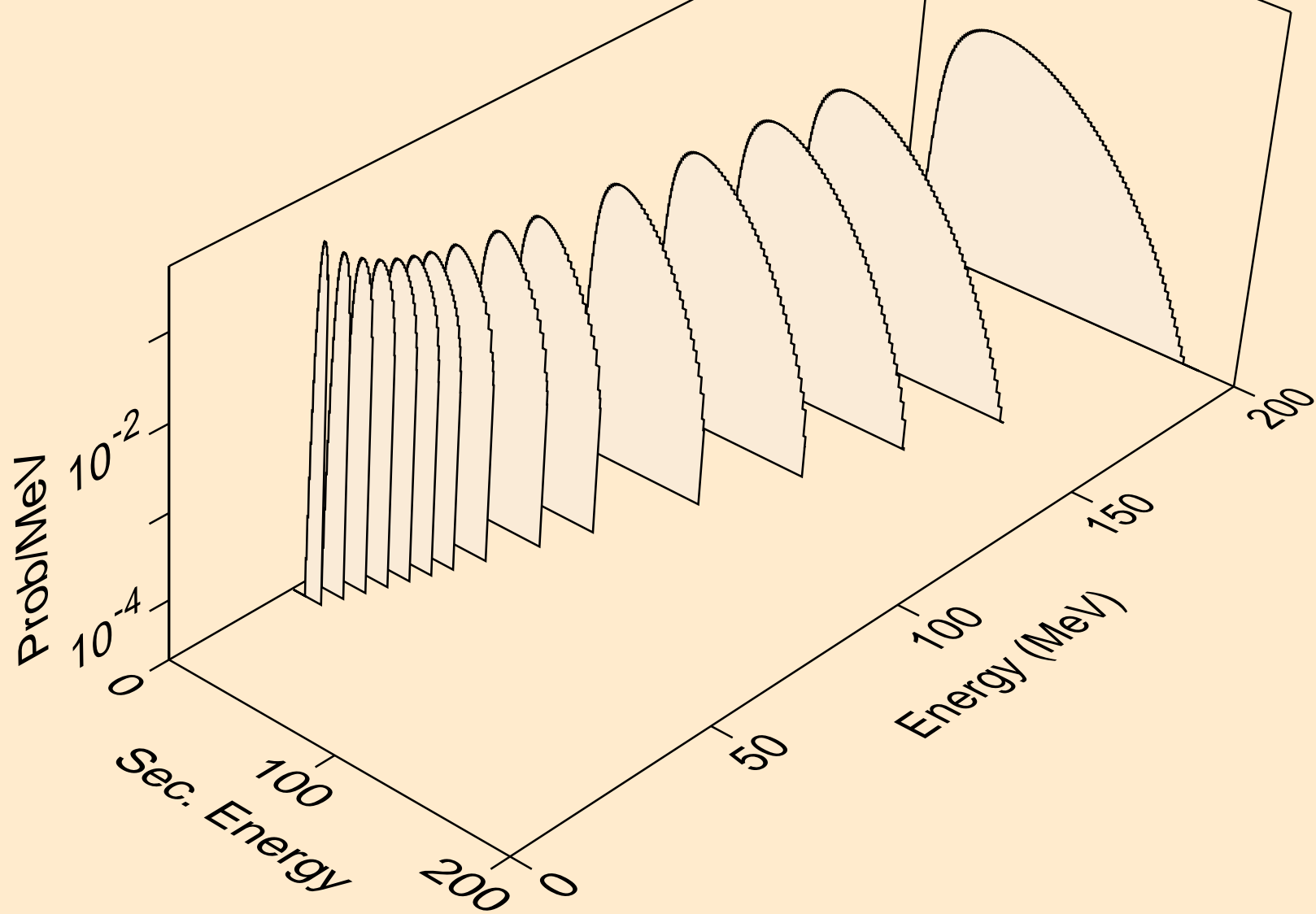
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tritons from (n,t)



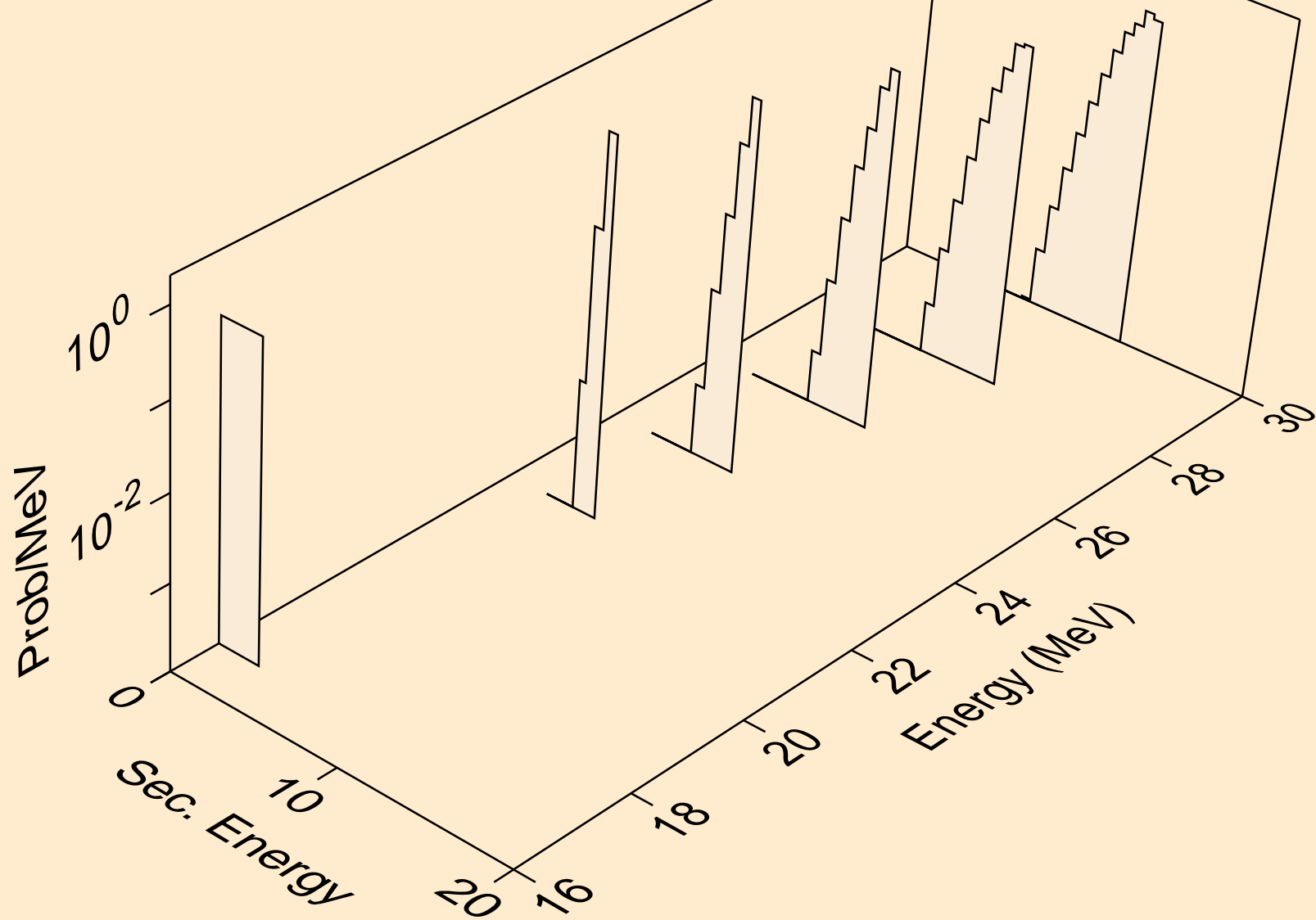
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)

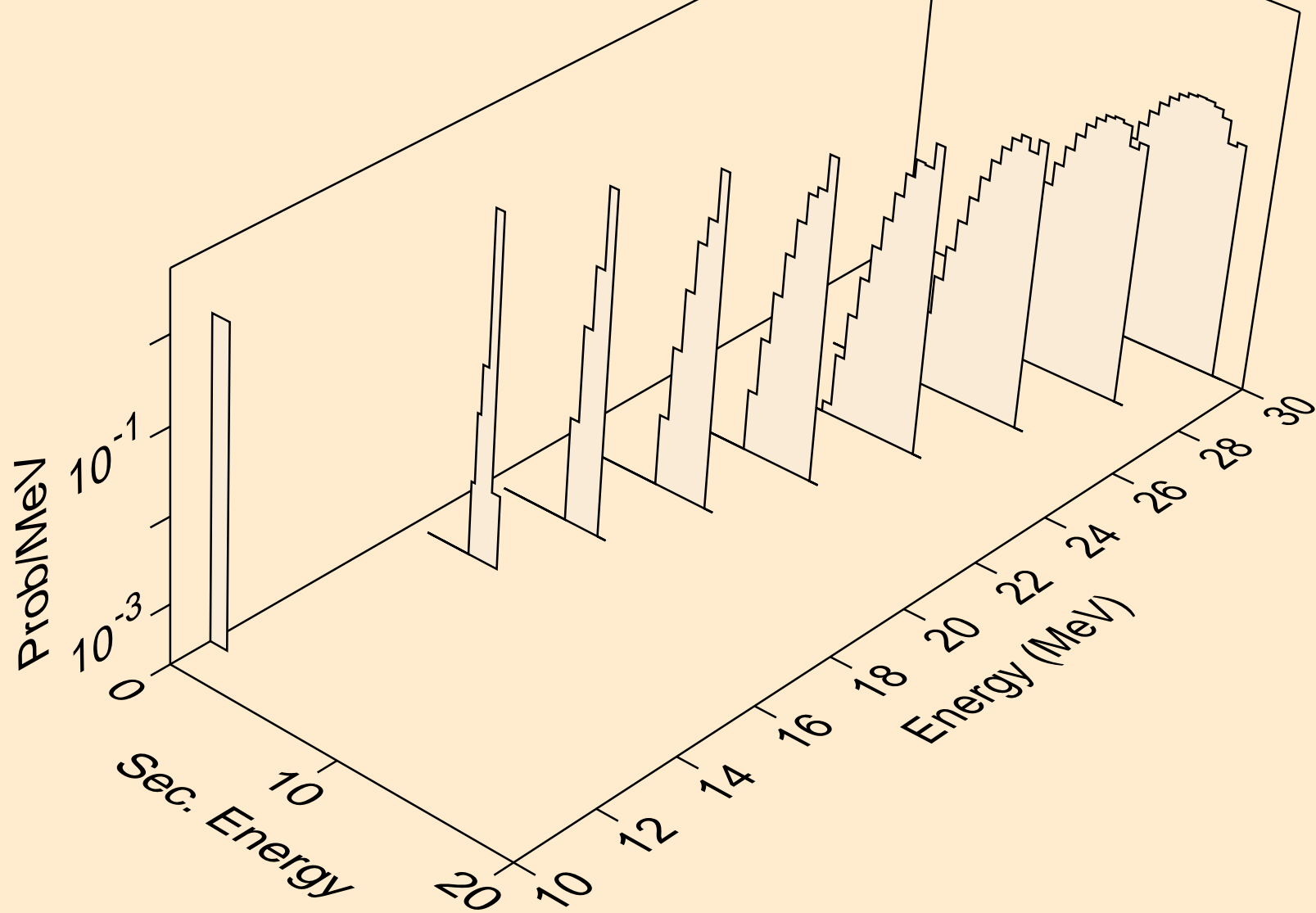


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he3s from (n,n\*)he3

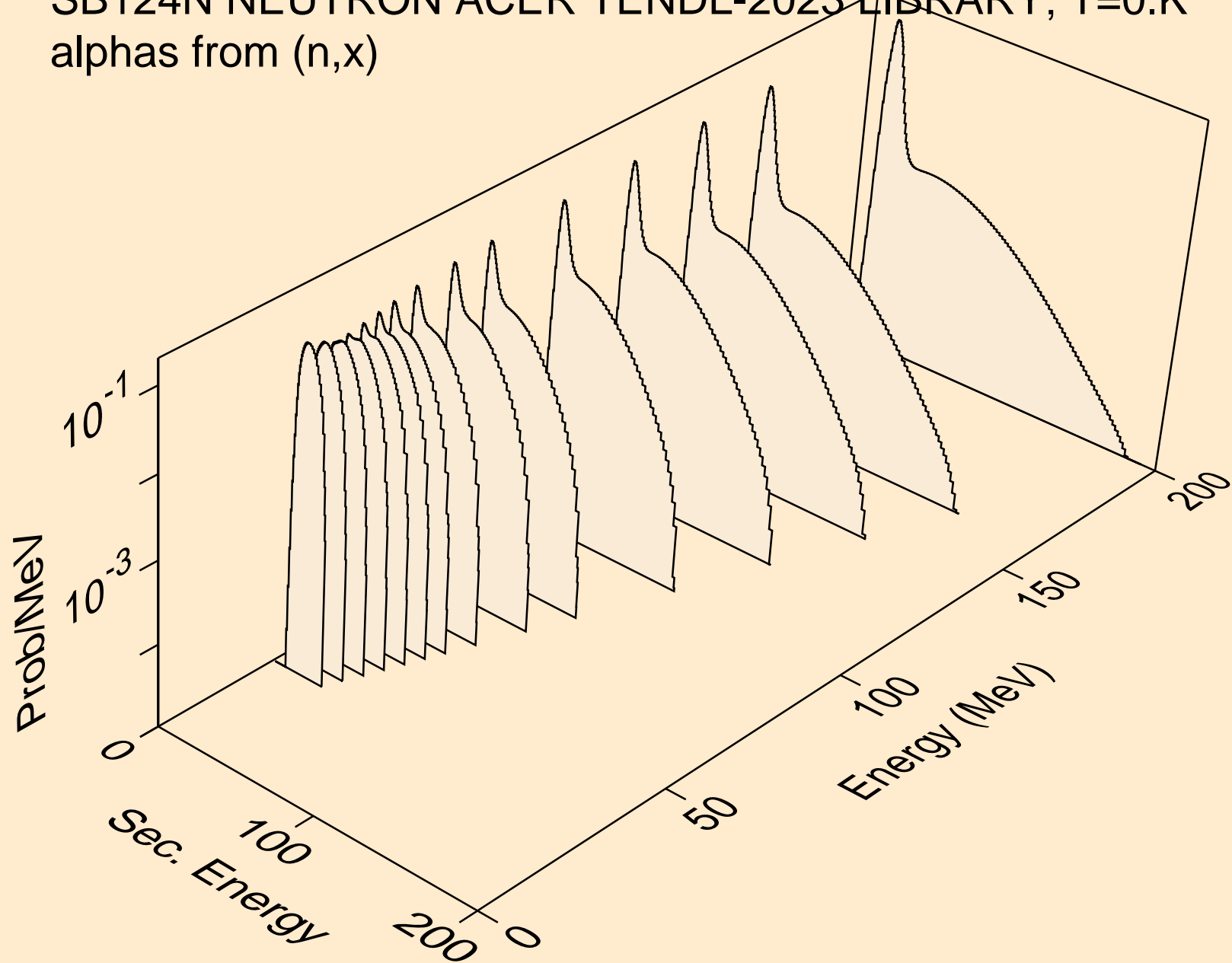




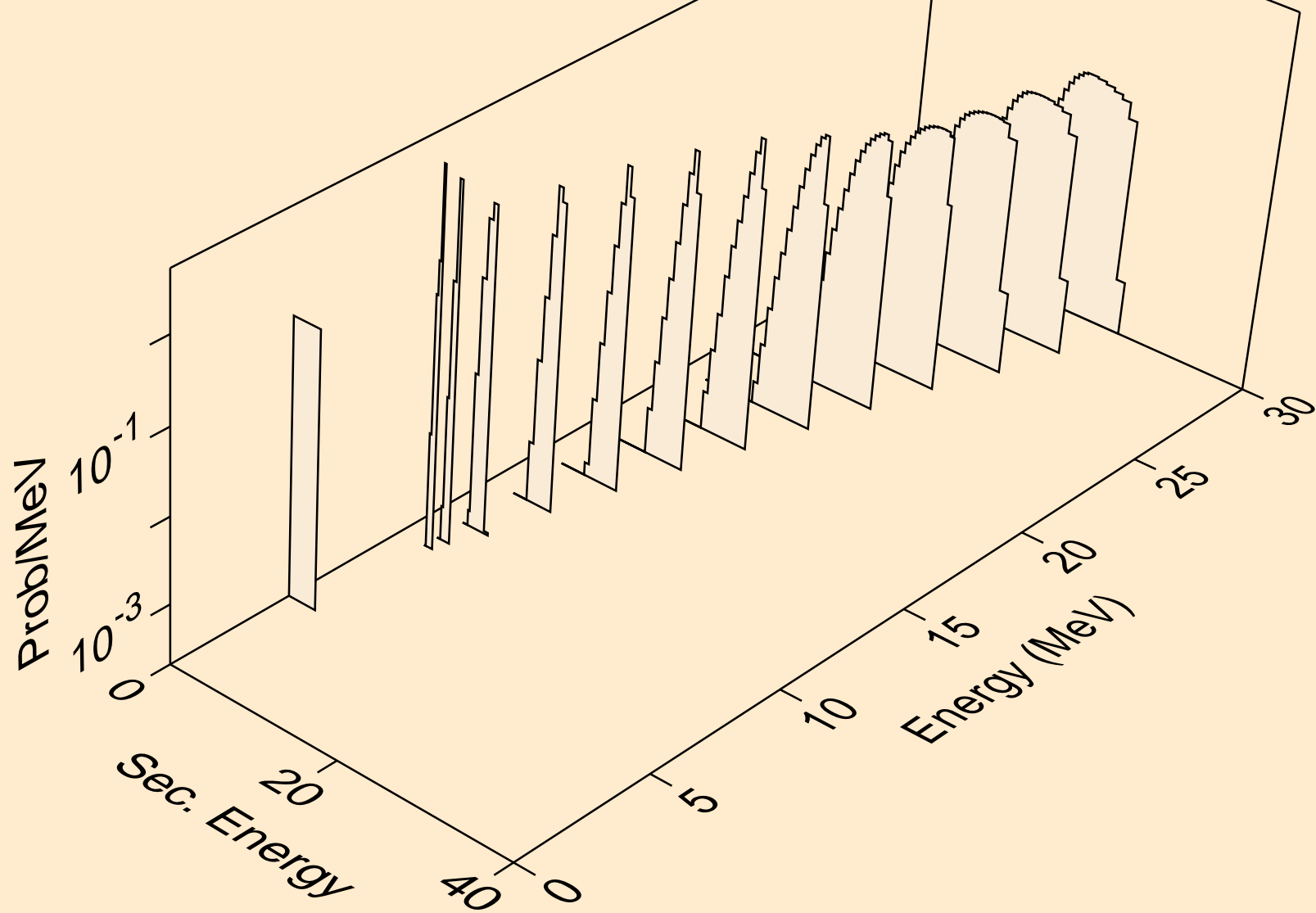
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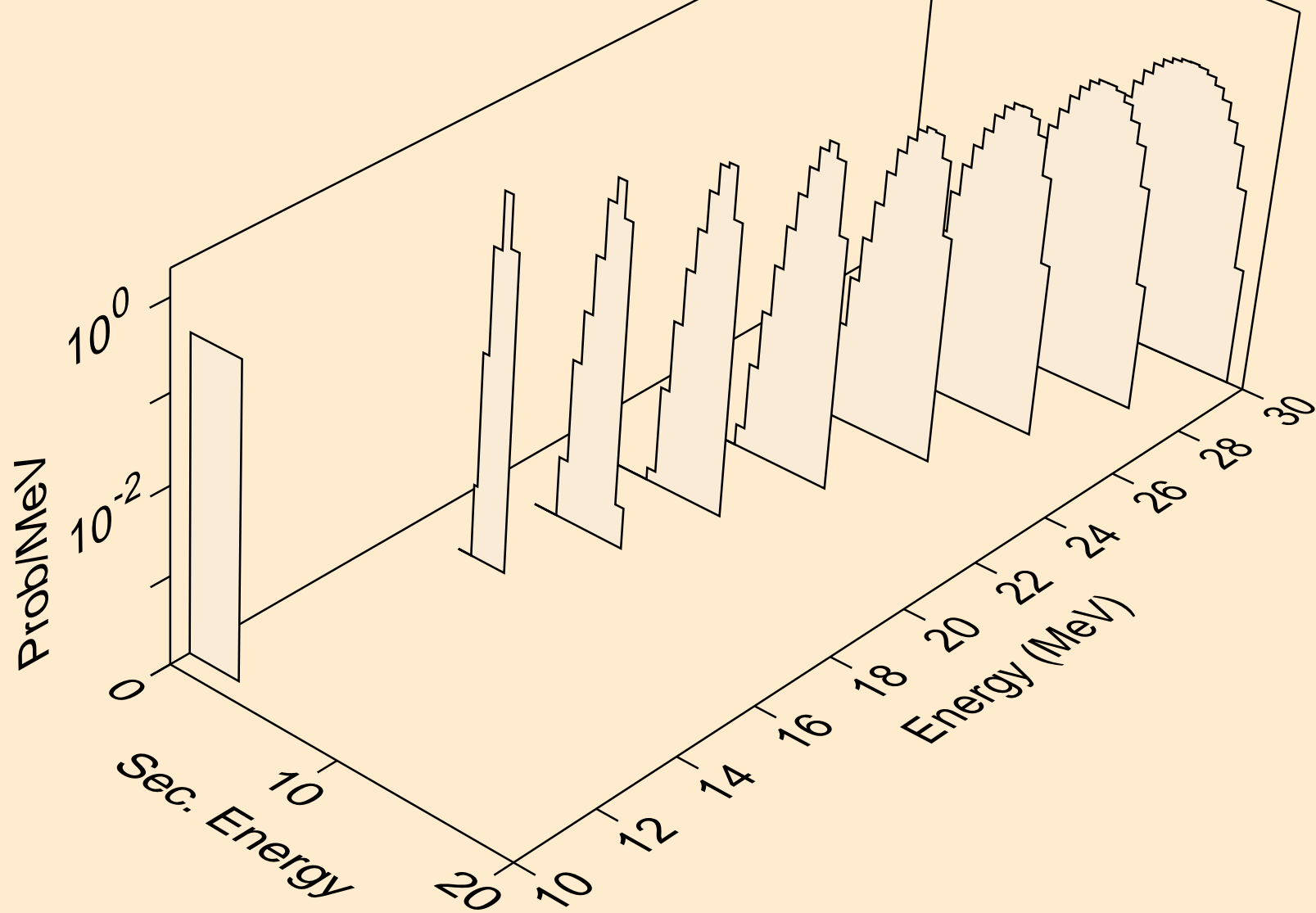
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



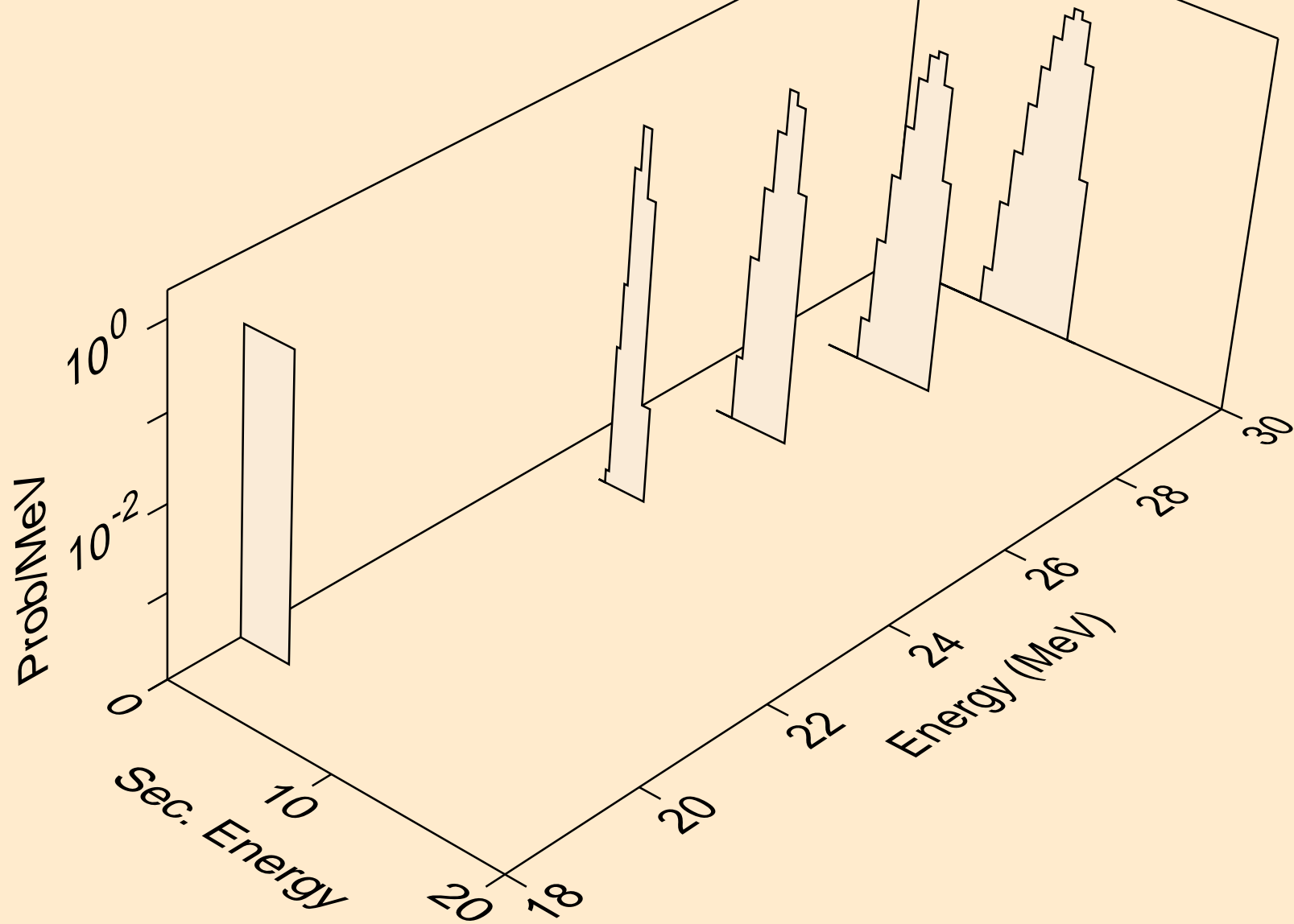
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



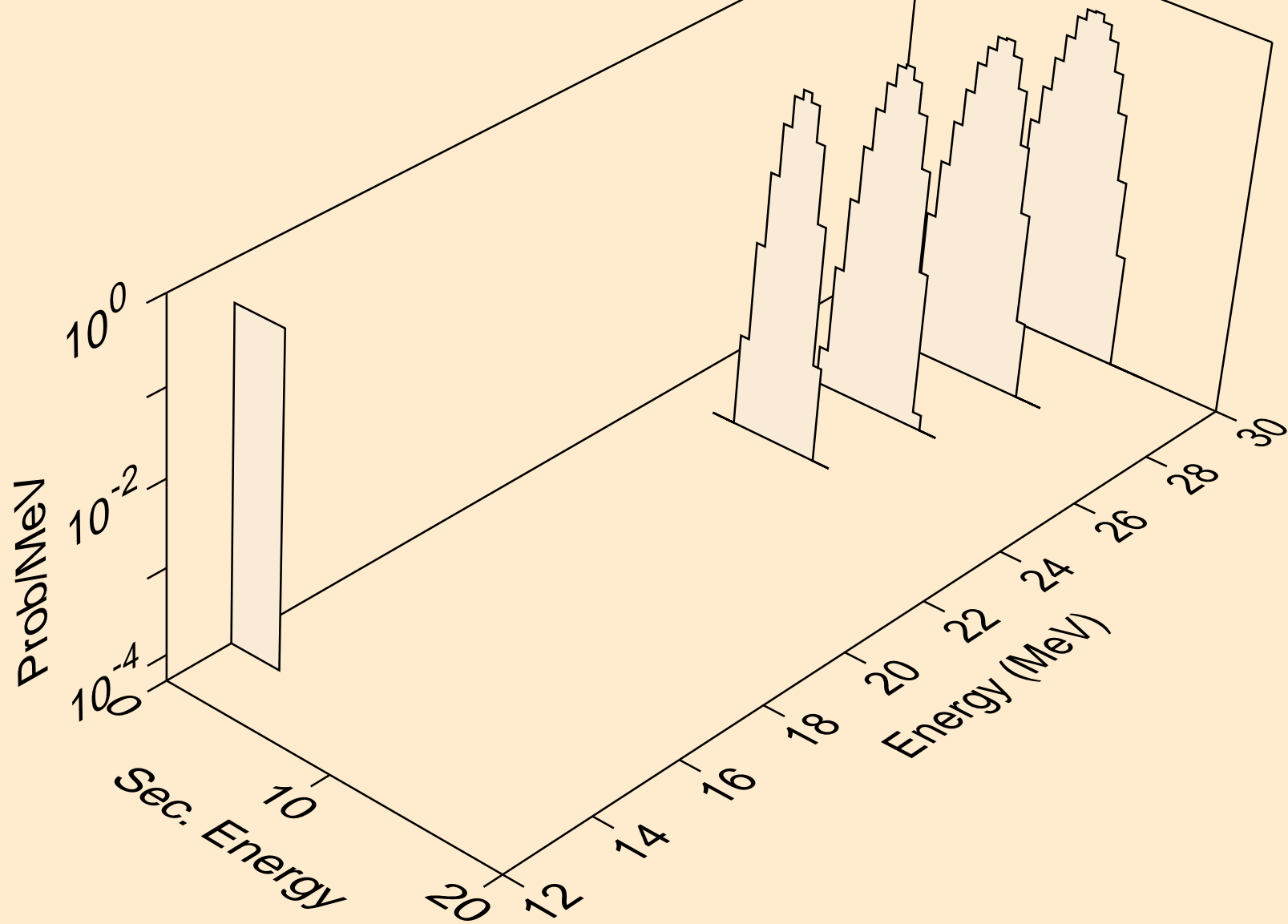
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alphas from (n,2n)a



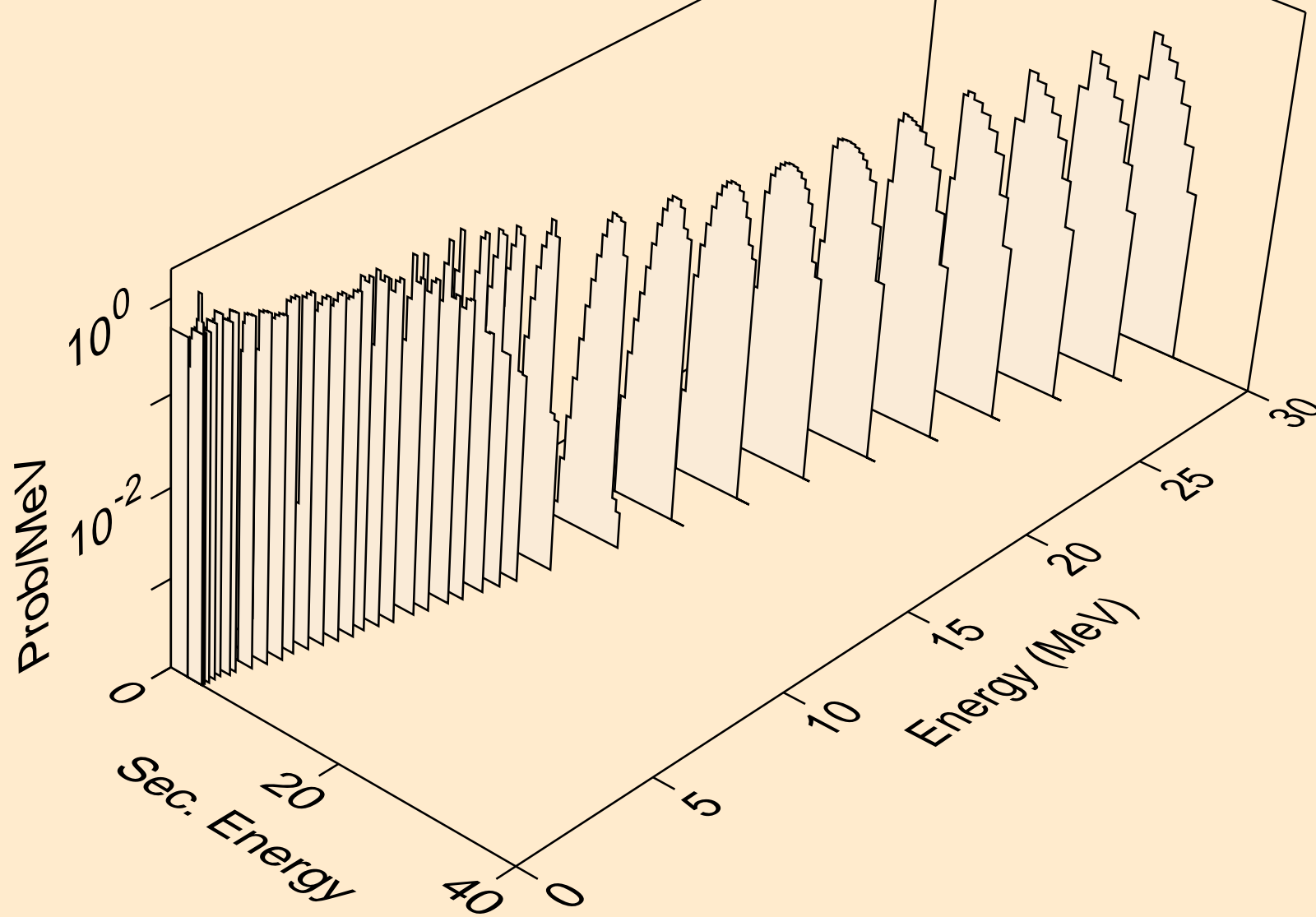
SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



SB124N NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)

