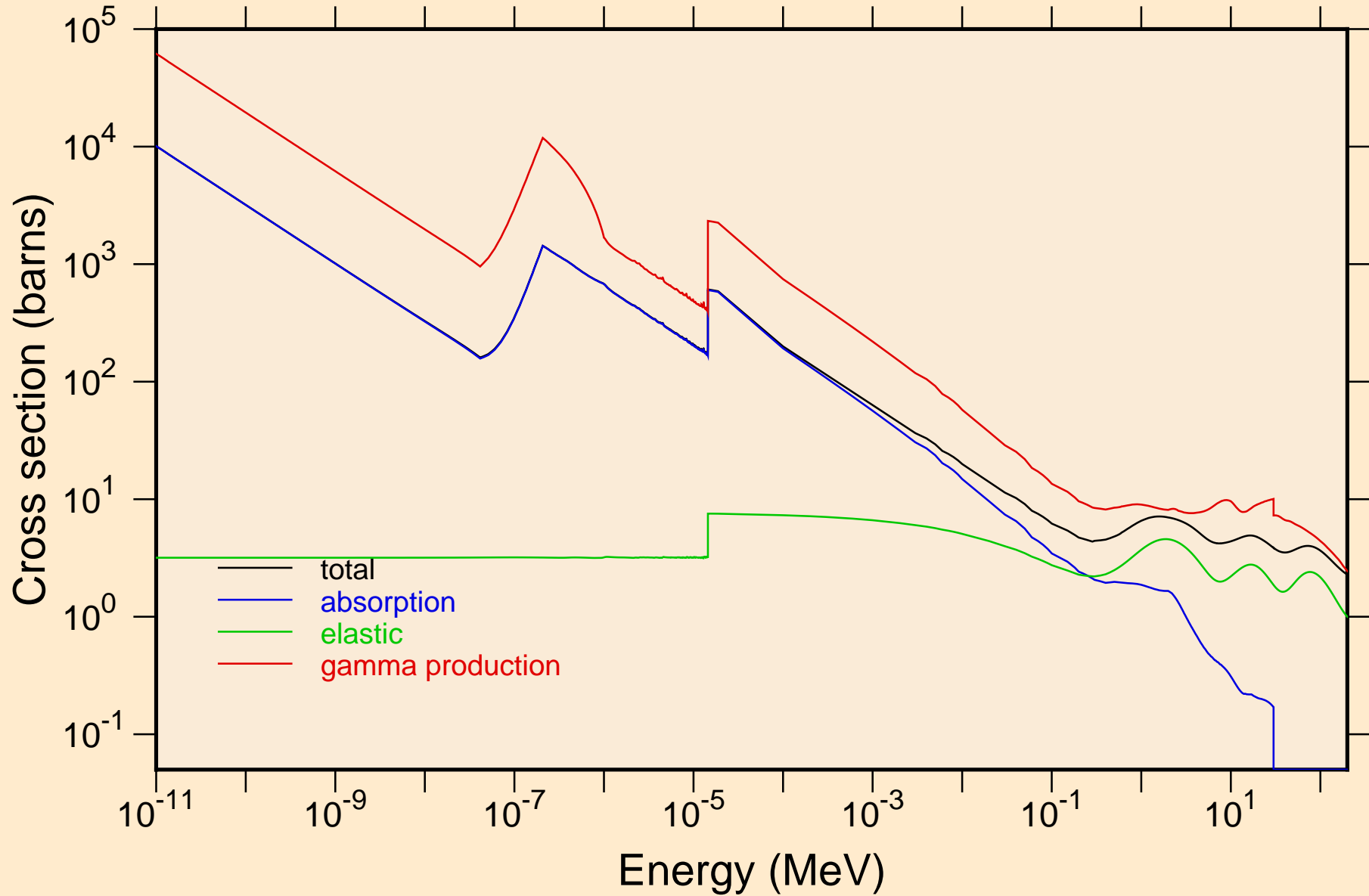
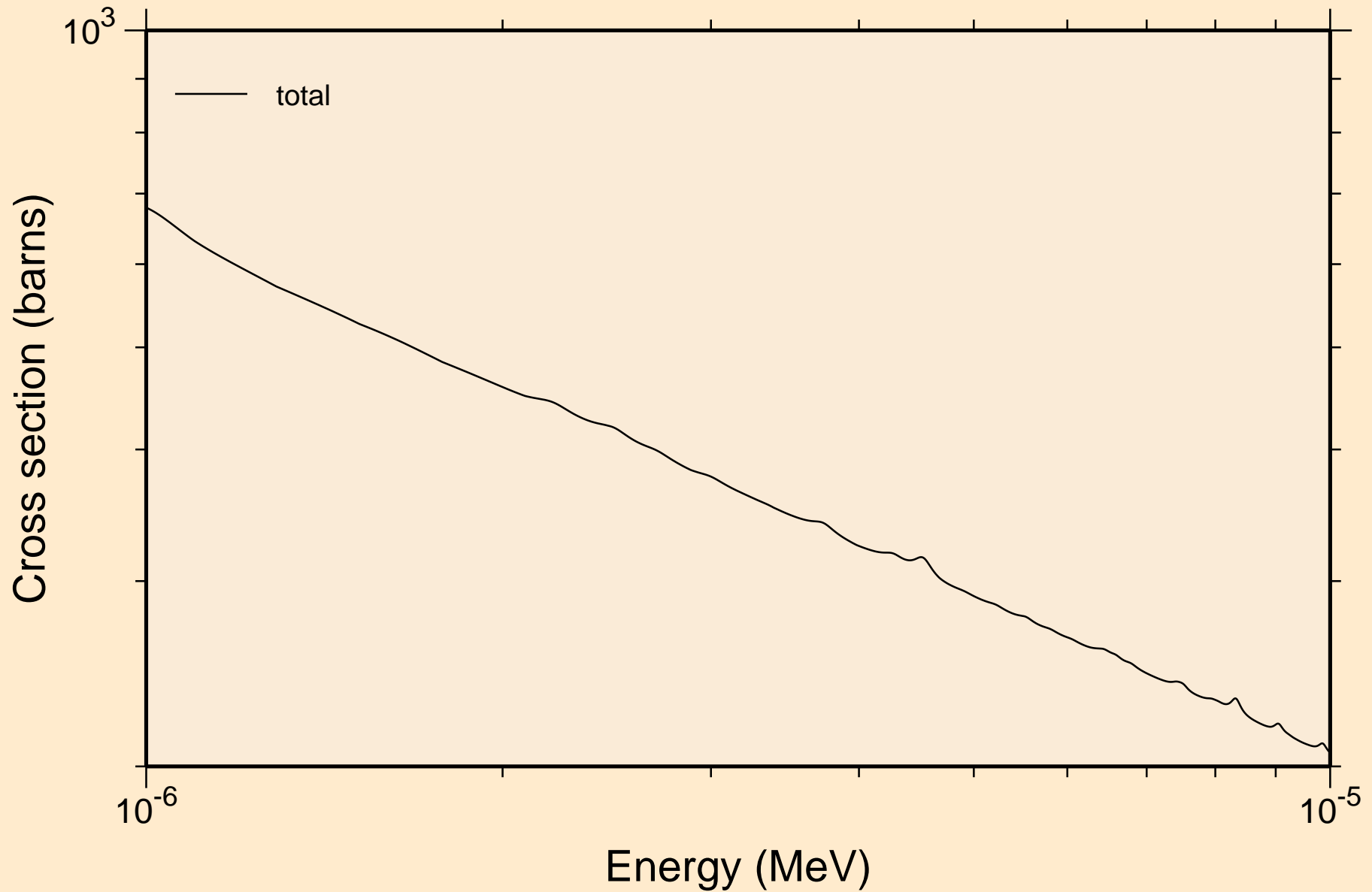


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

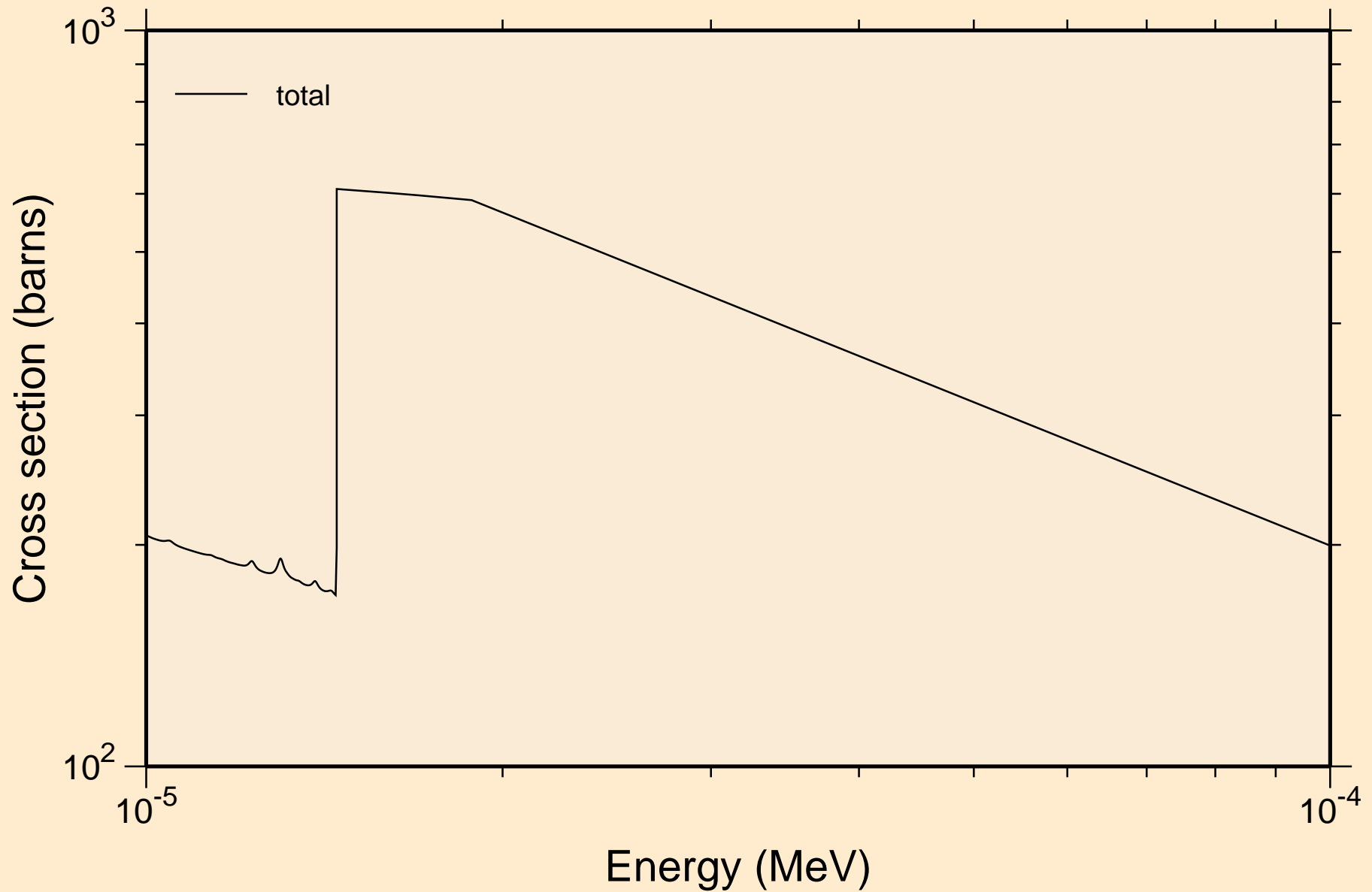
## Principal cross sections



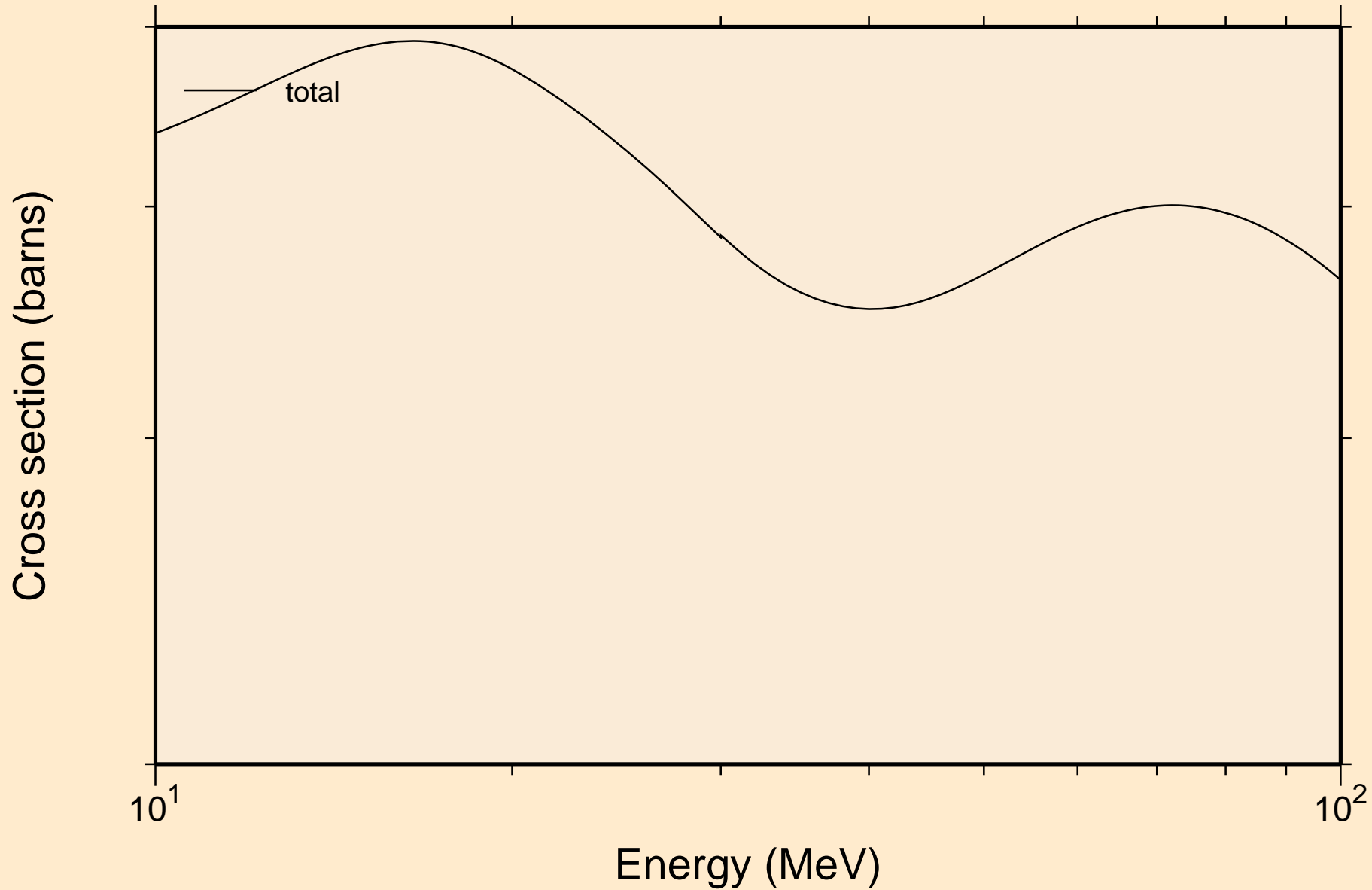
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



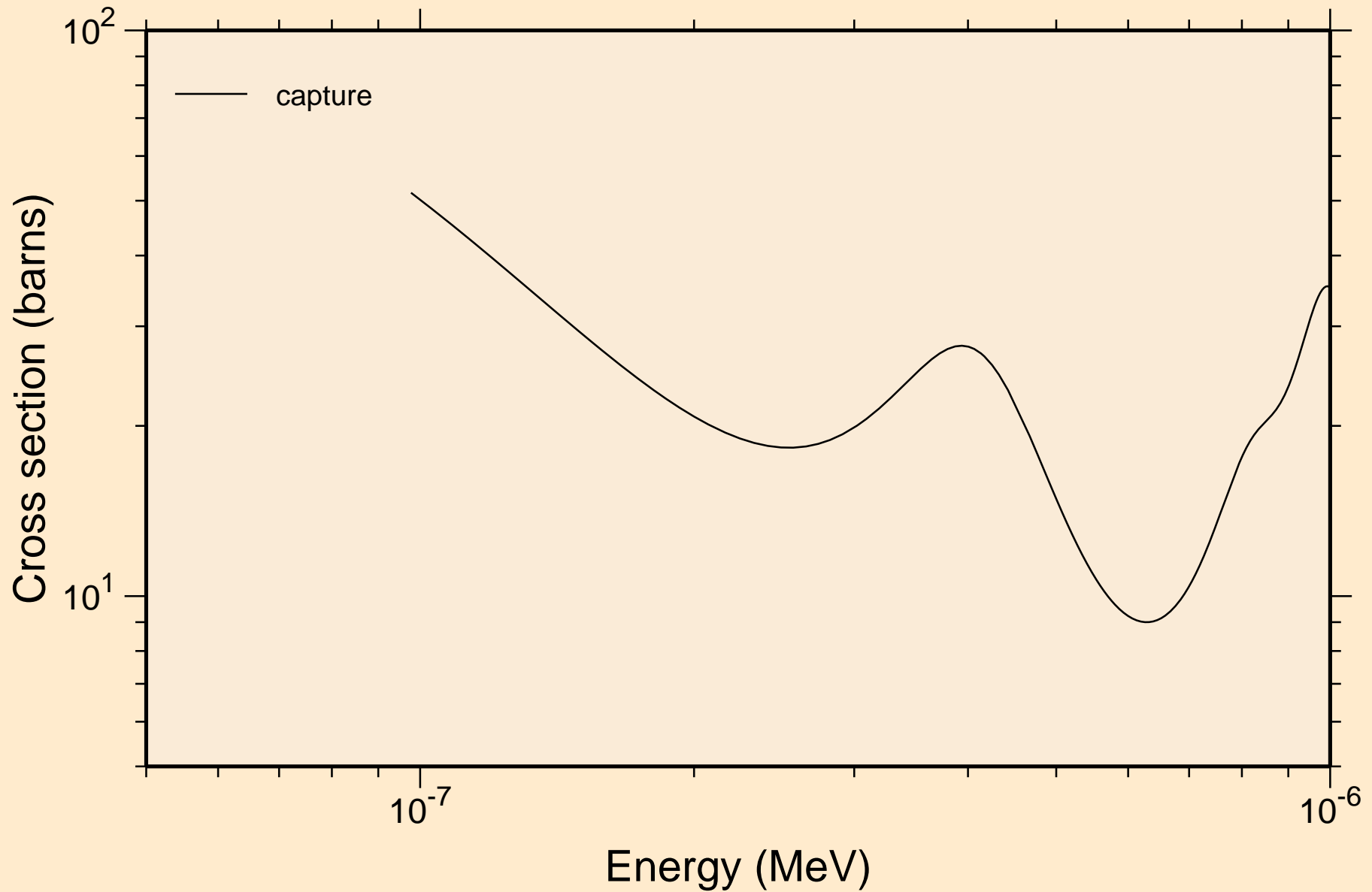
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



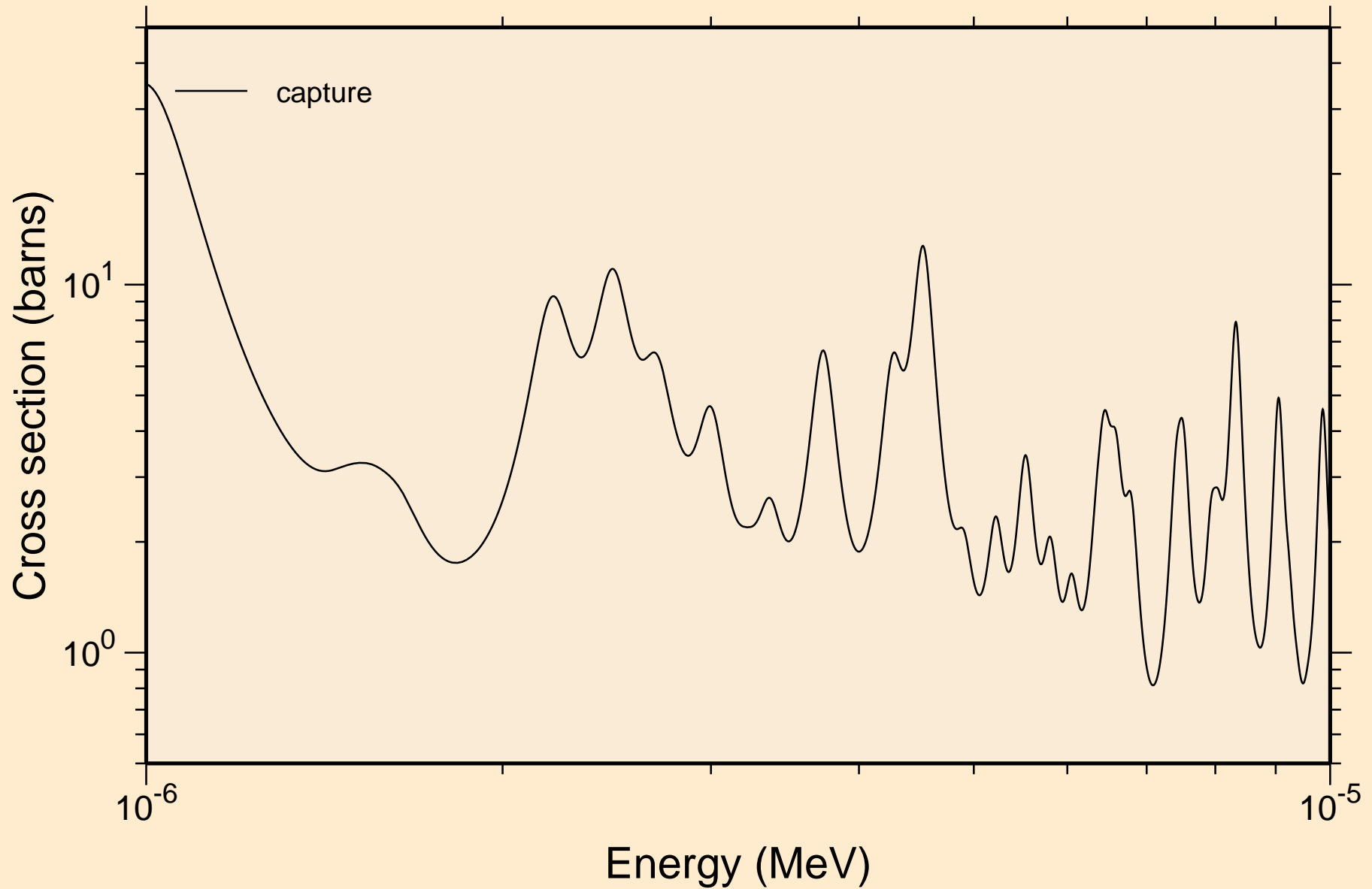
EÜ142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance total cross section



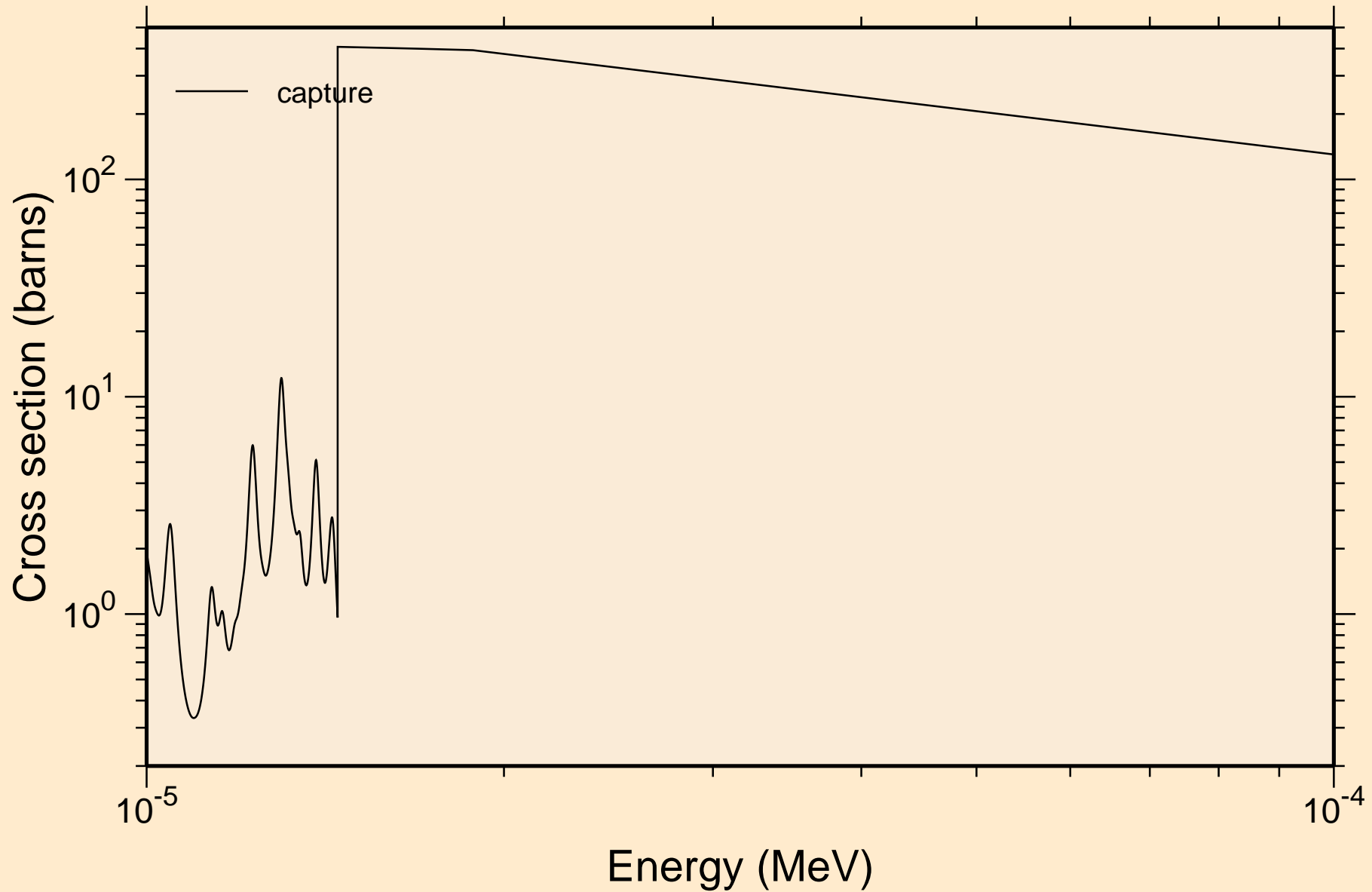
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



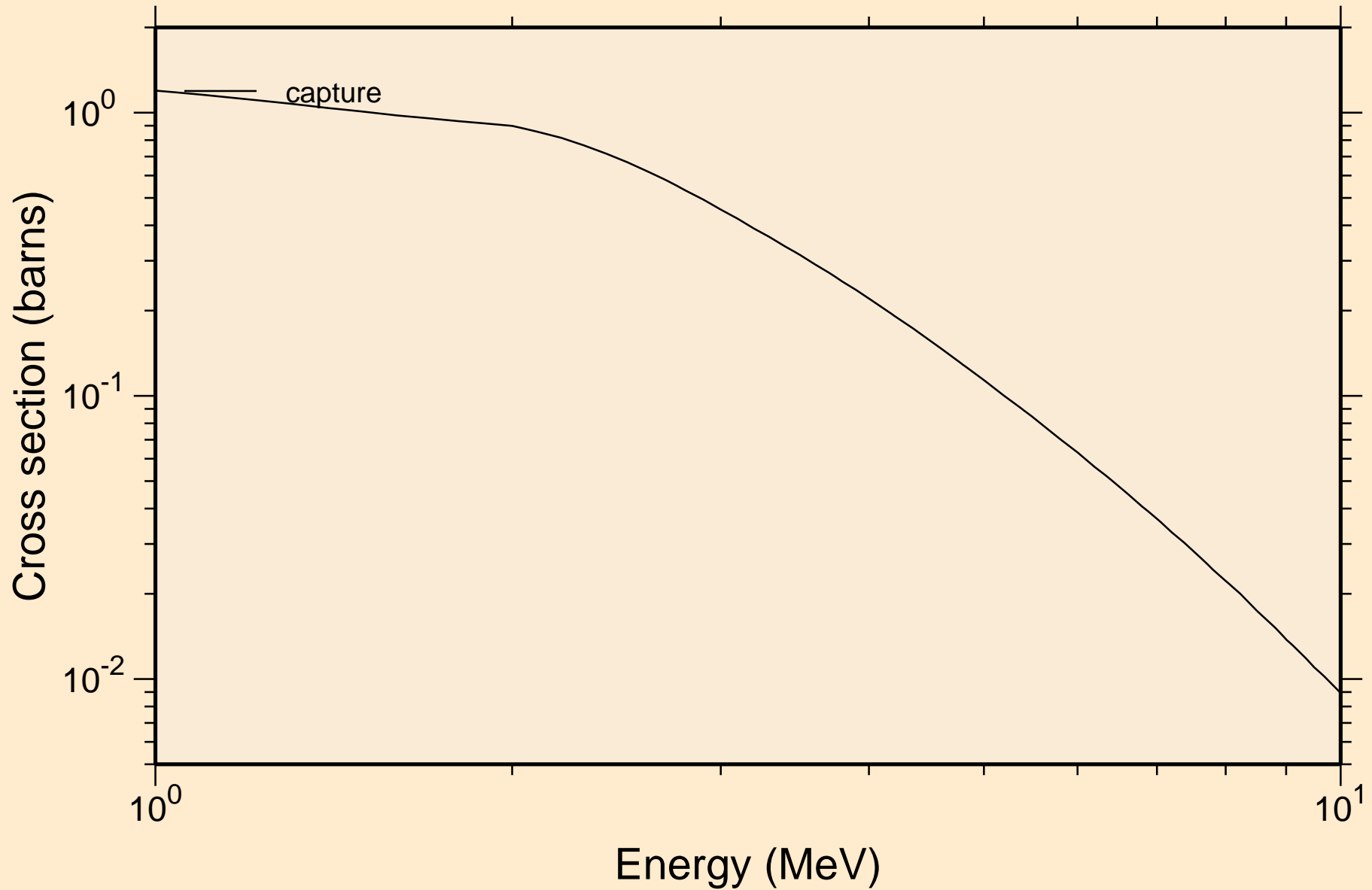
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



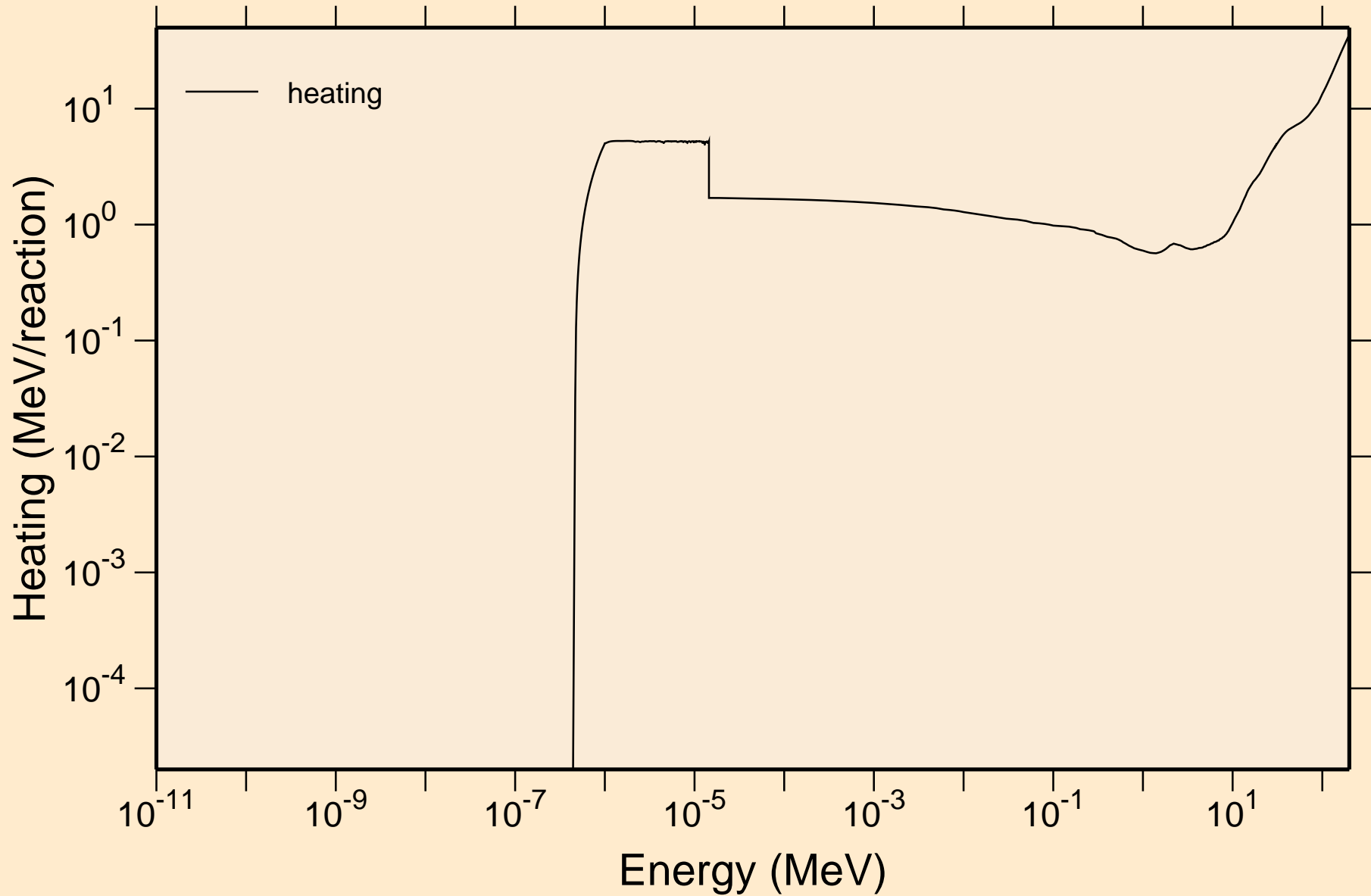
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
resonance absorption cross sections



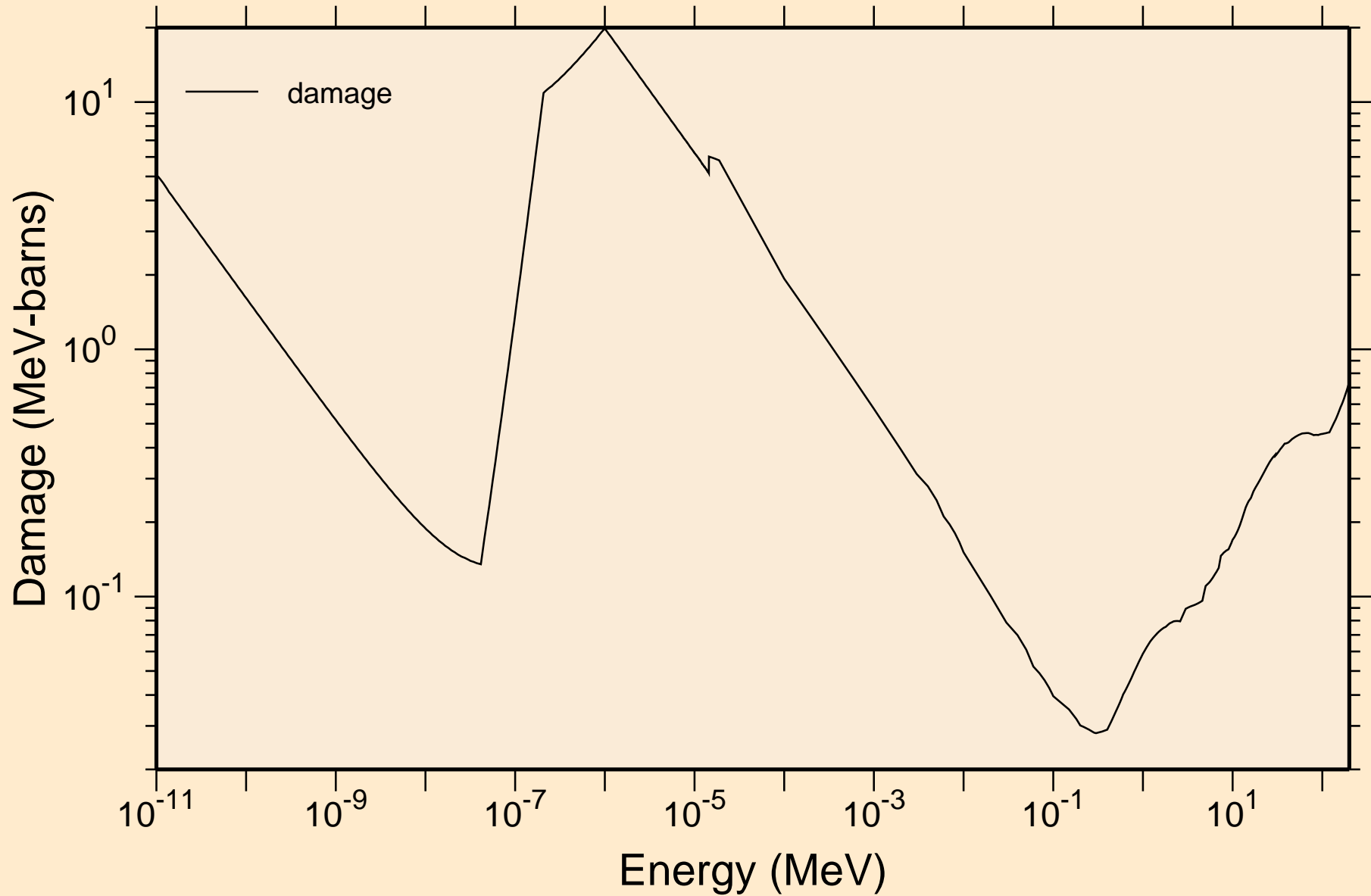


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating

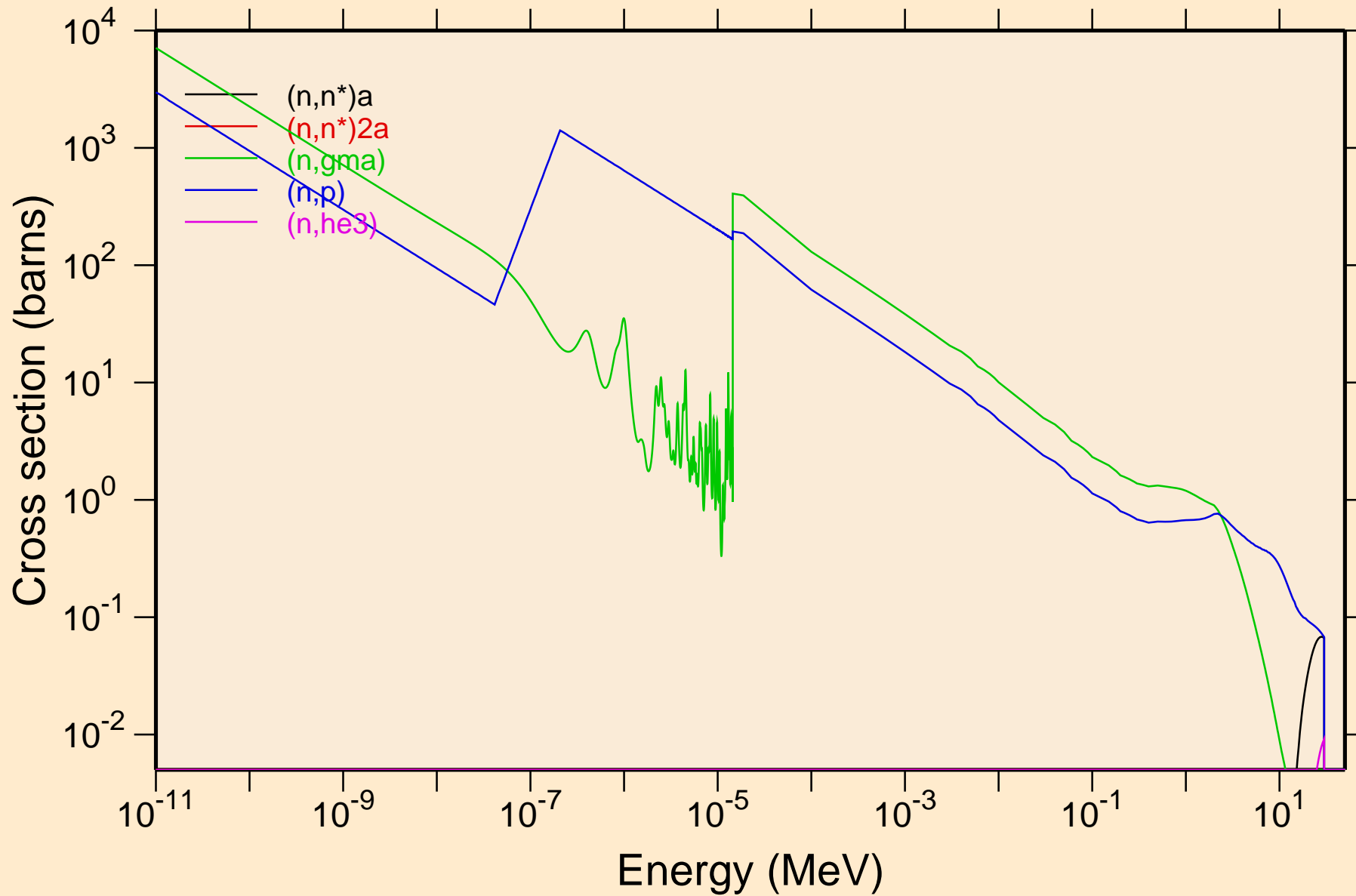


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



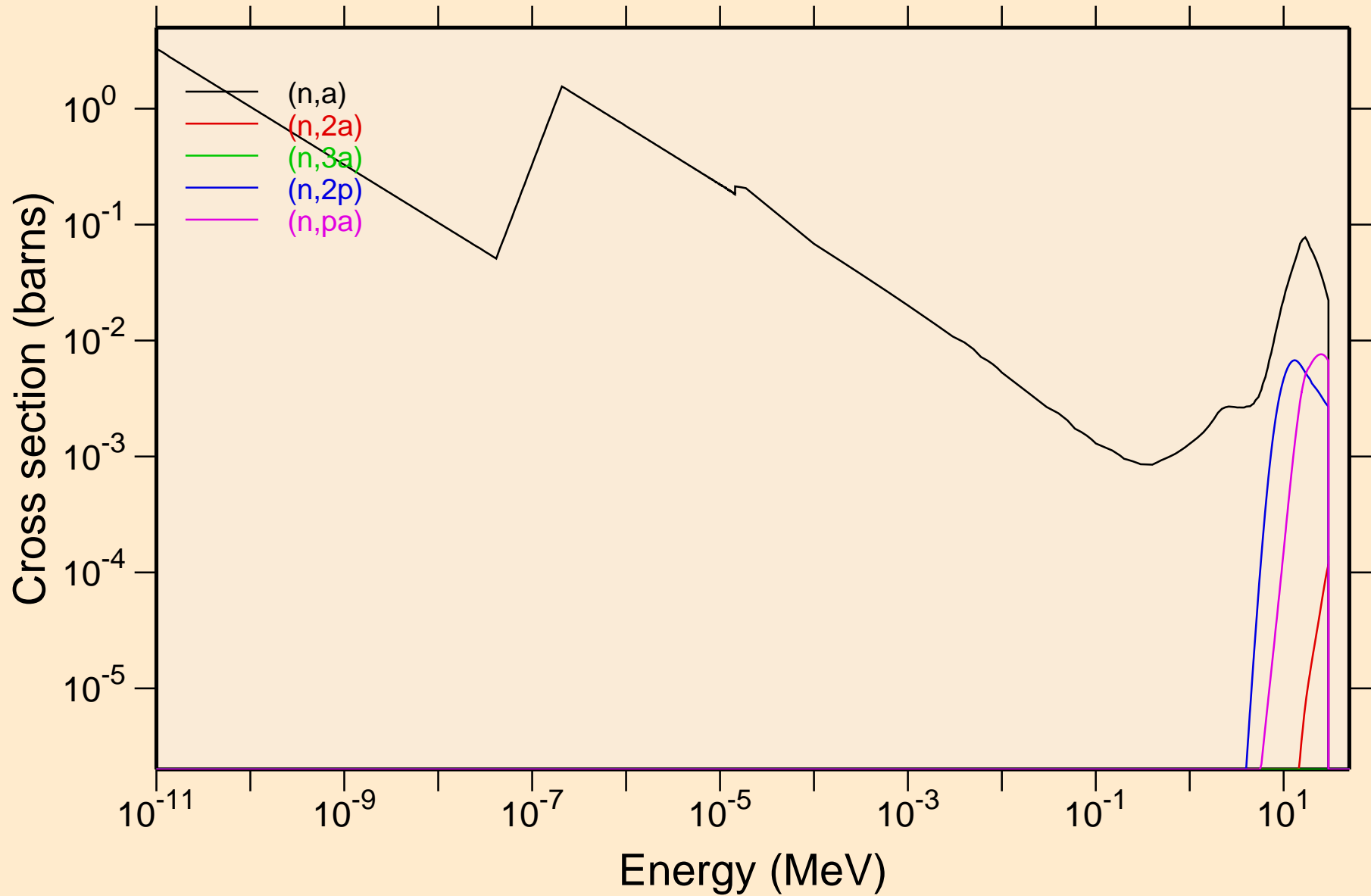
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



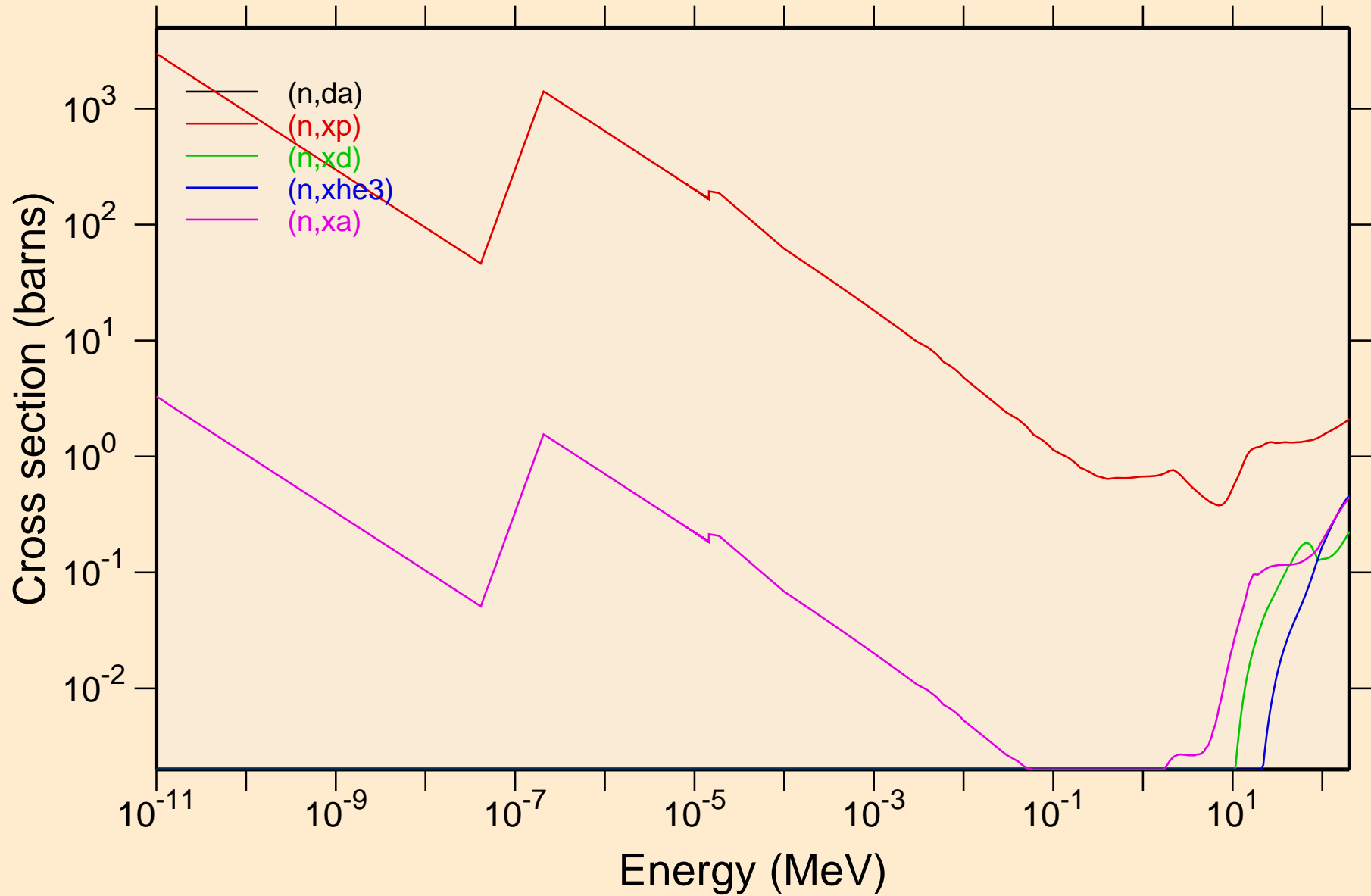
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



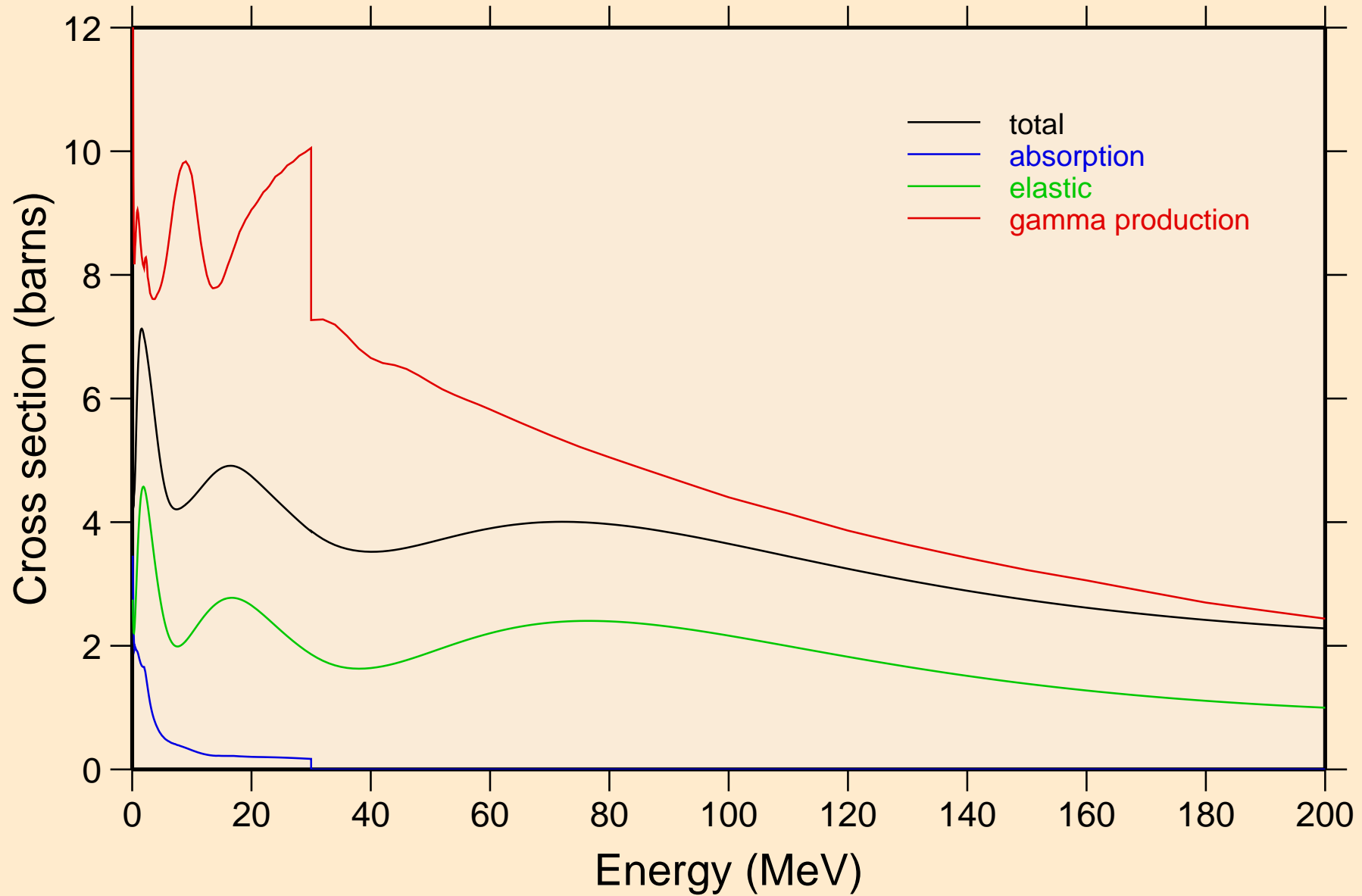
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



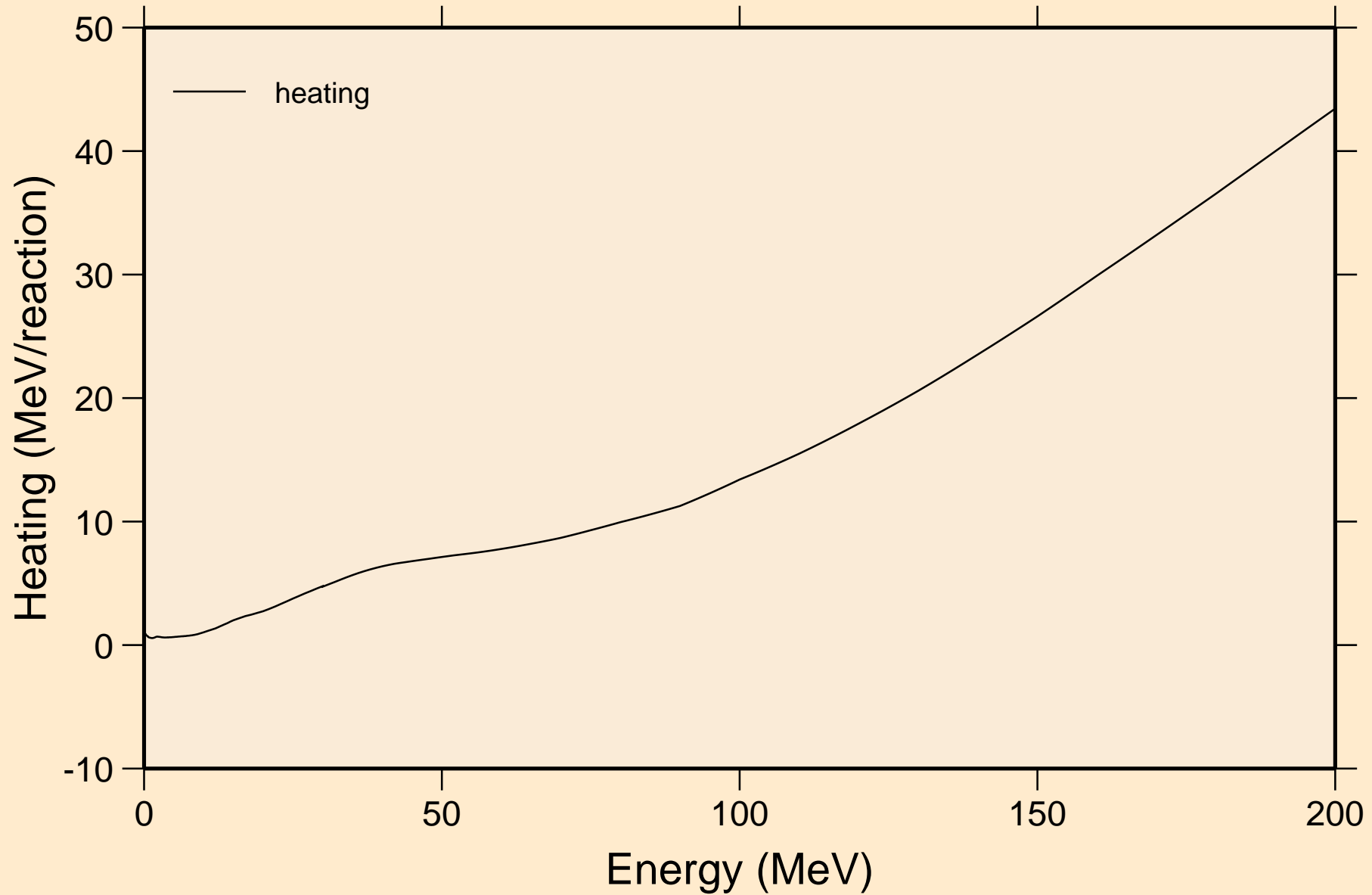
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections



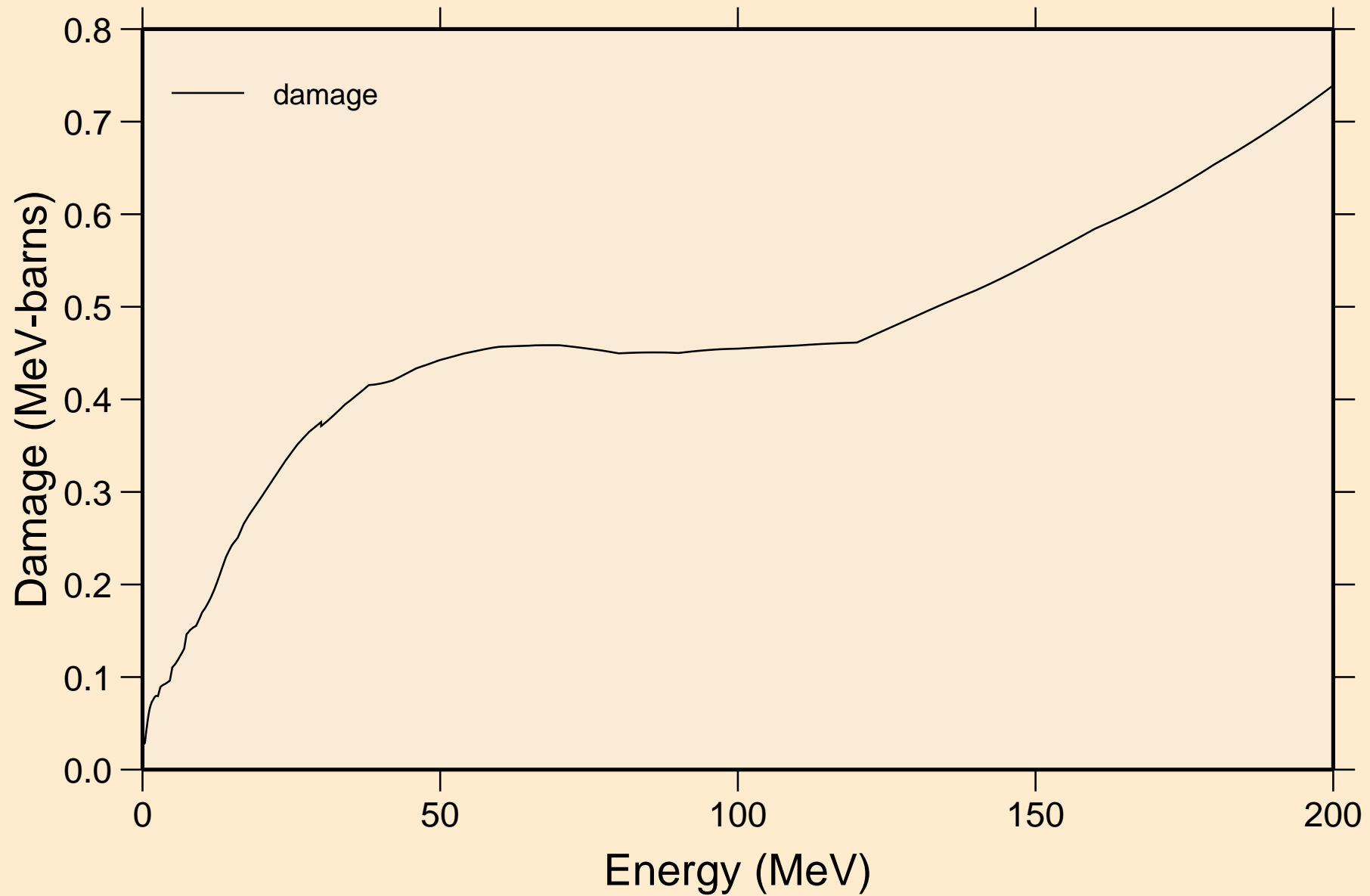
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Heating



# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

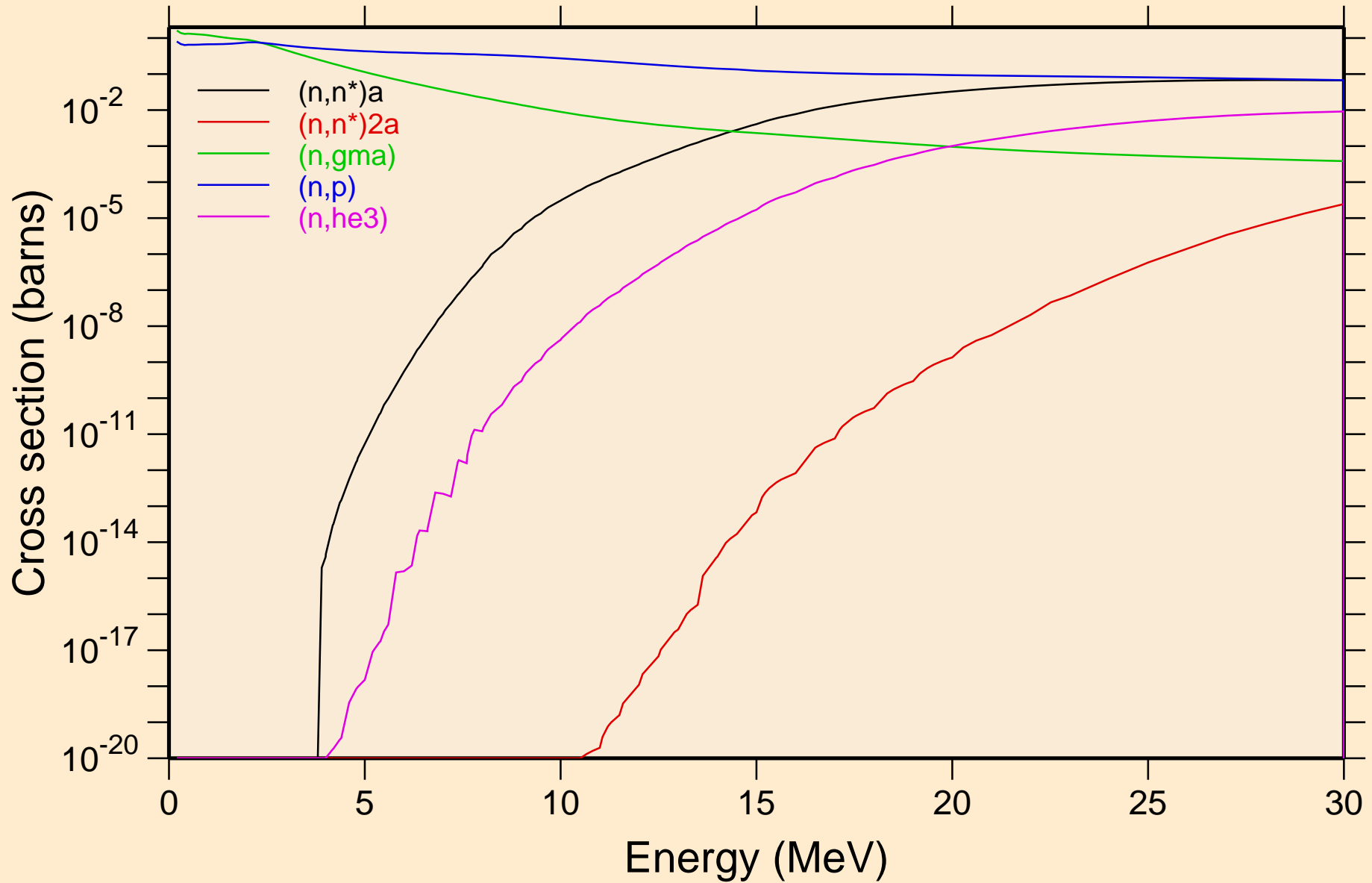
## Damage





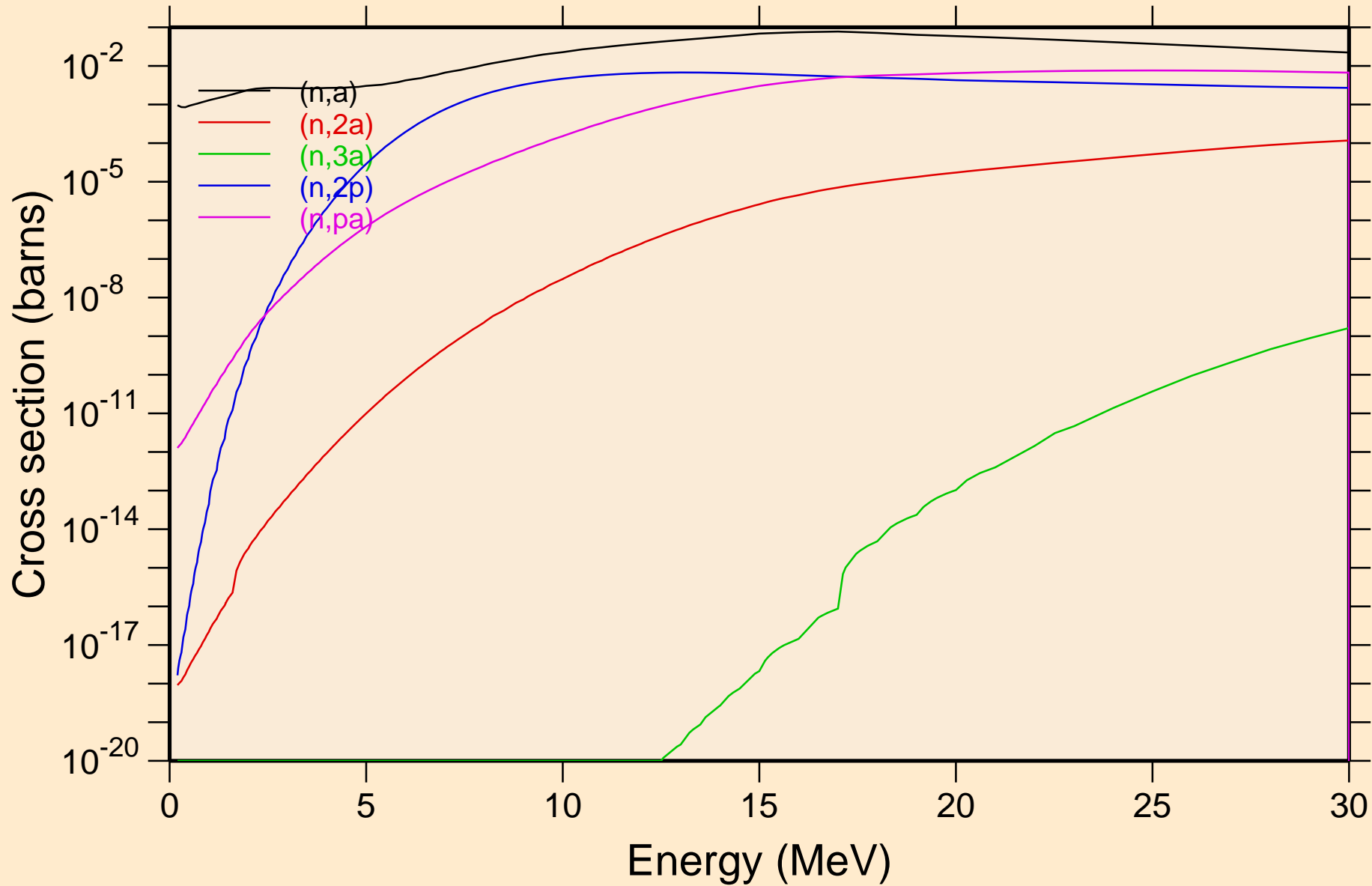
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



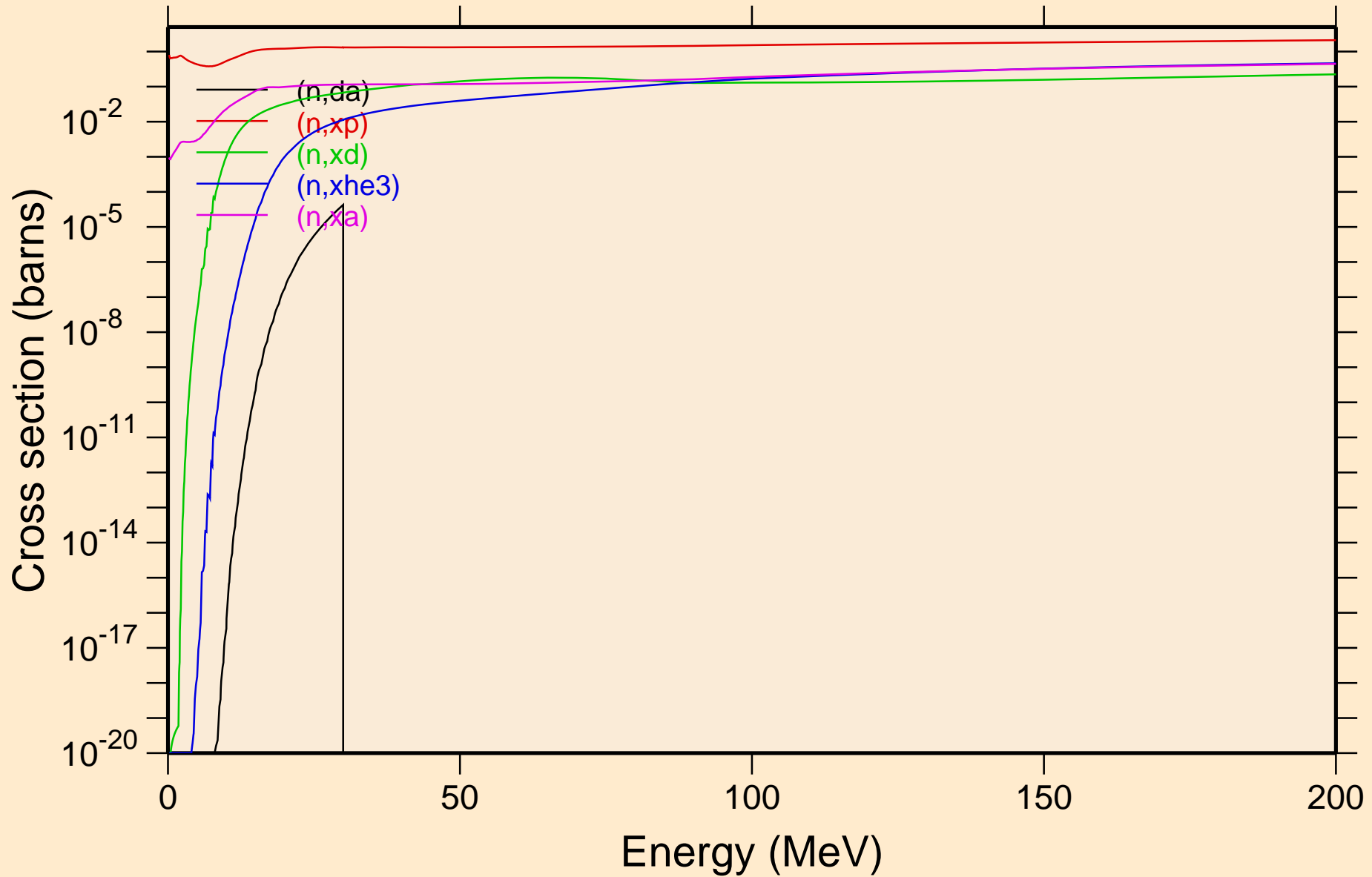
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

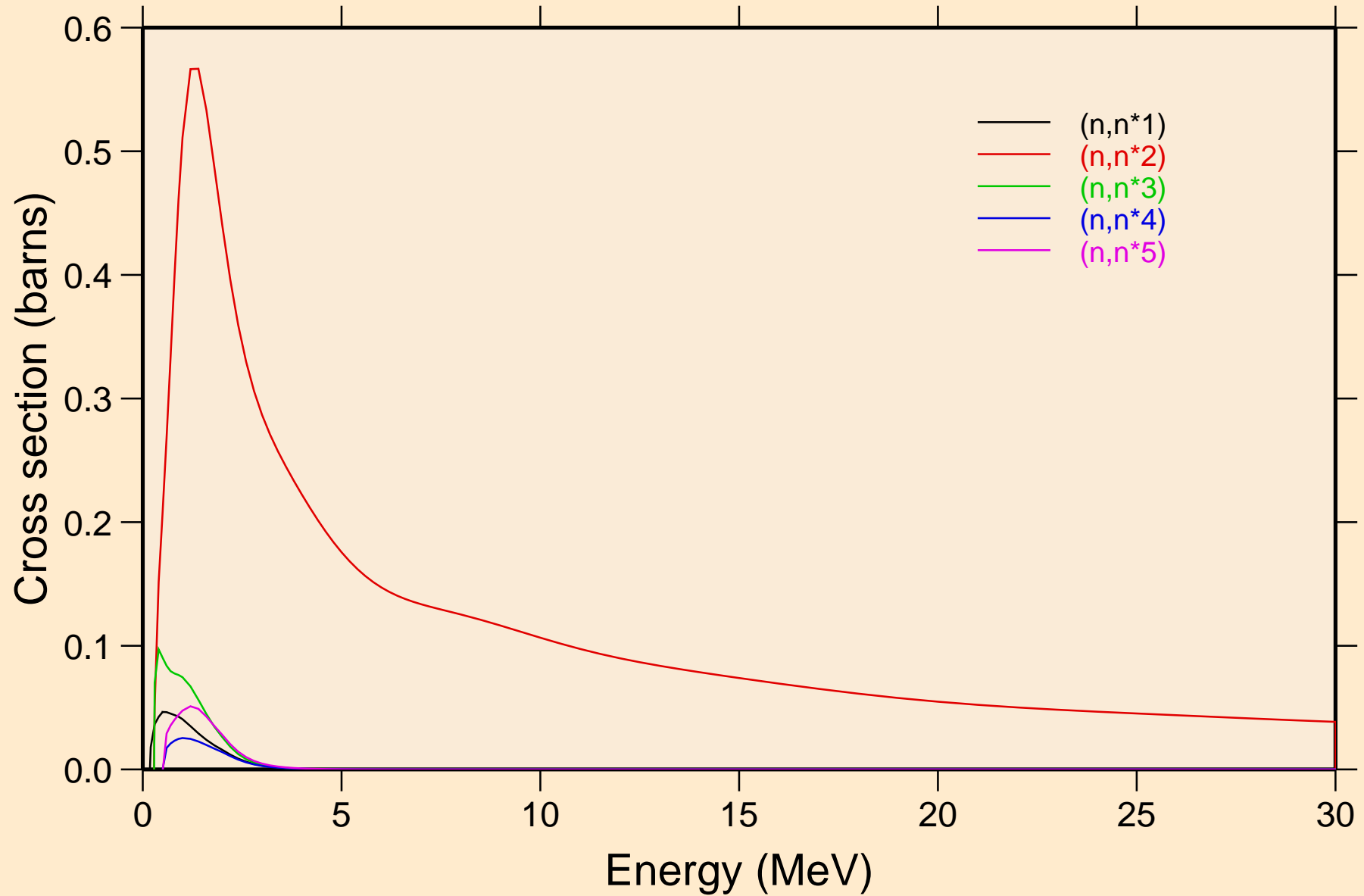


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

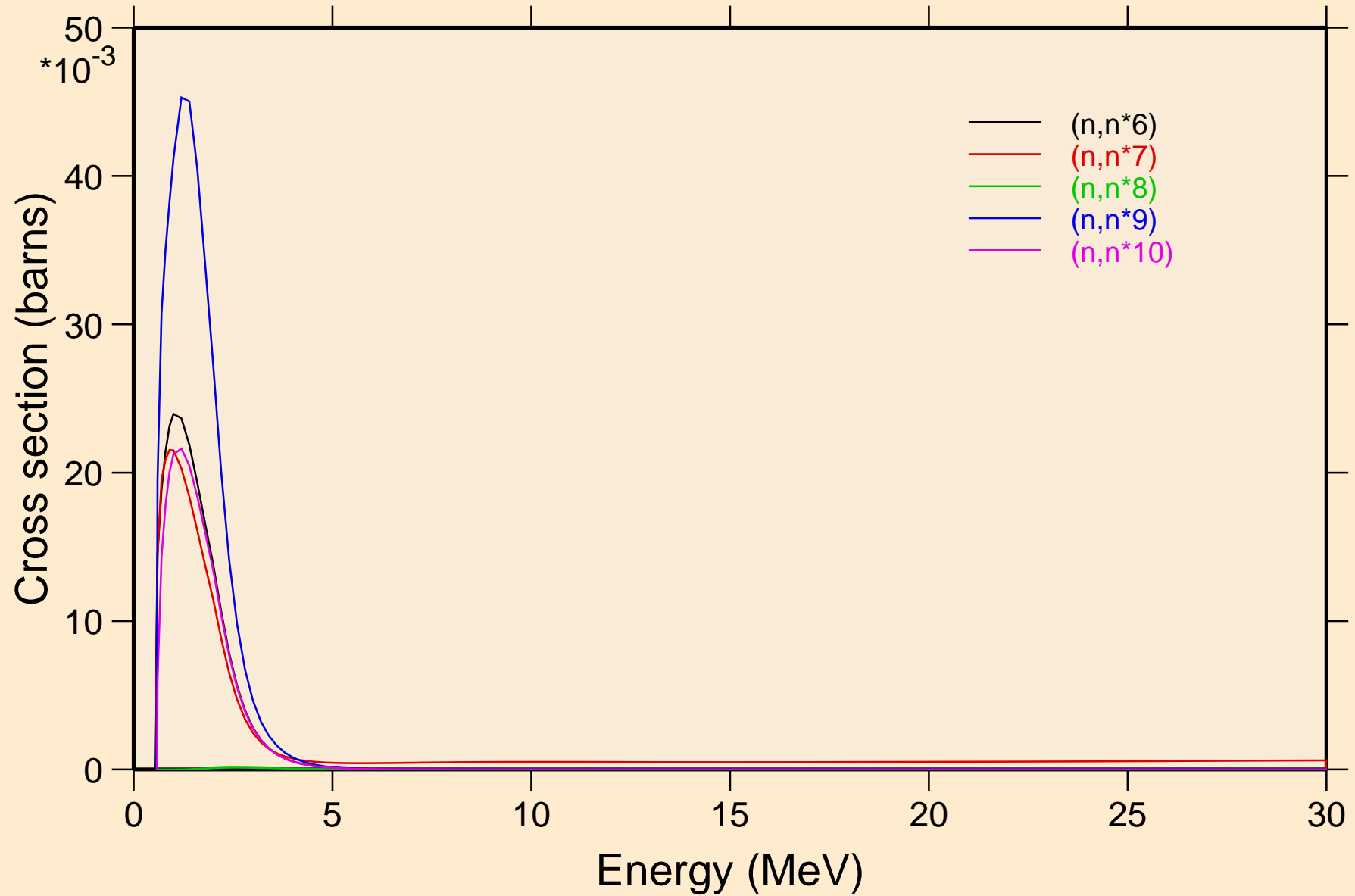
## Non-threshold reactions



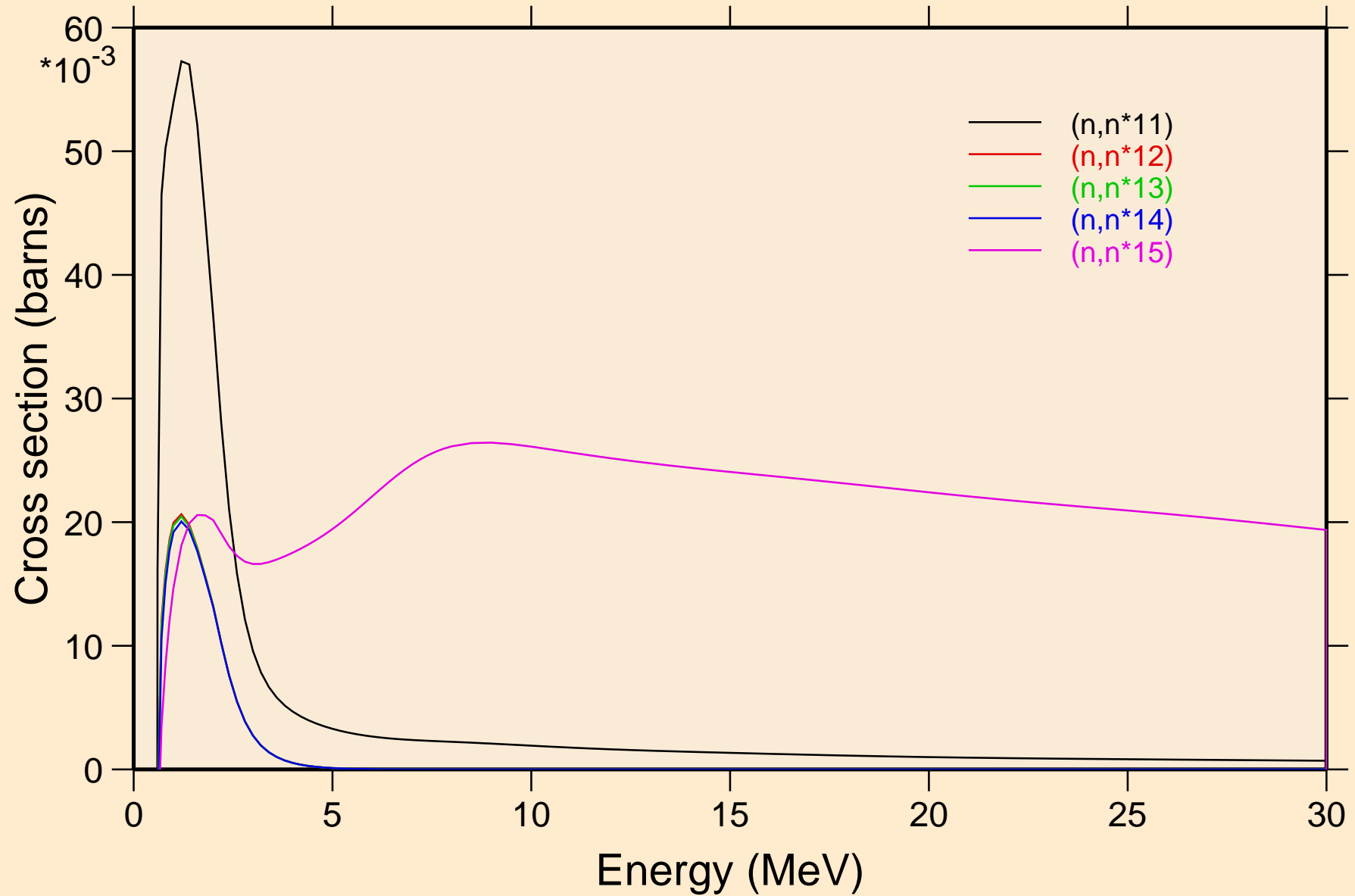
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

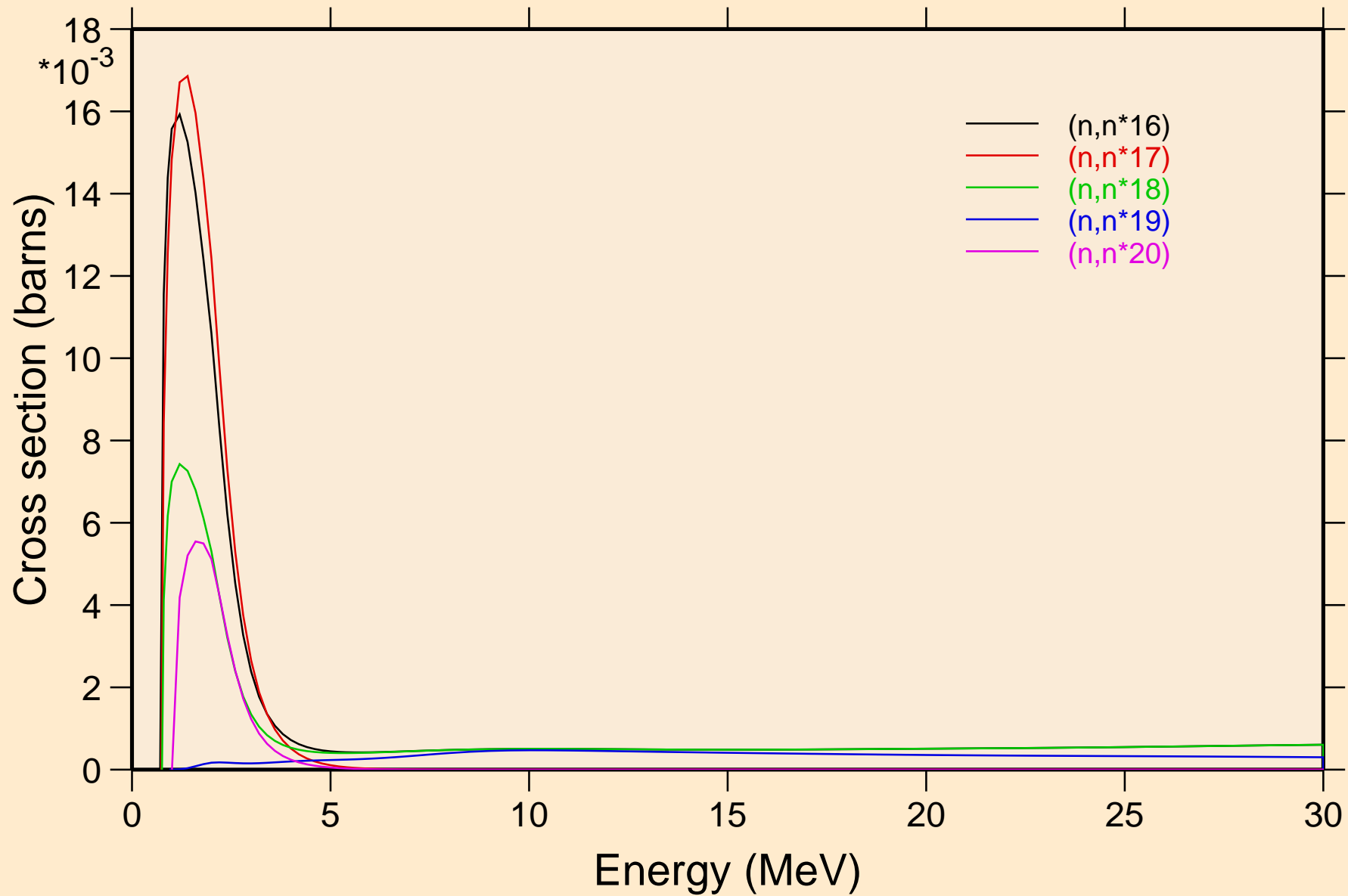


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels

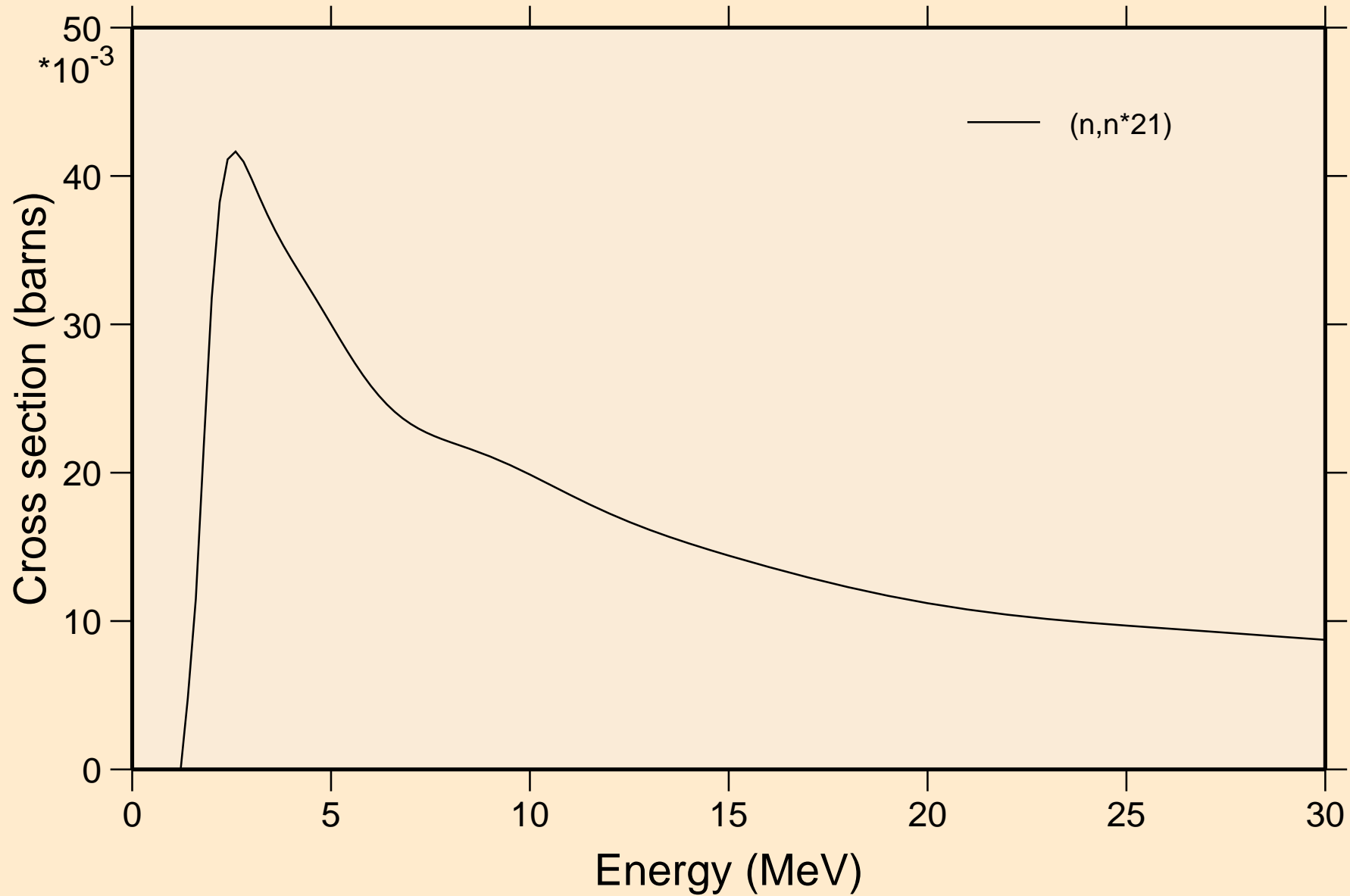


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Inelastic levels



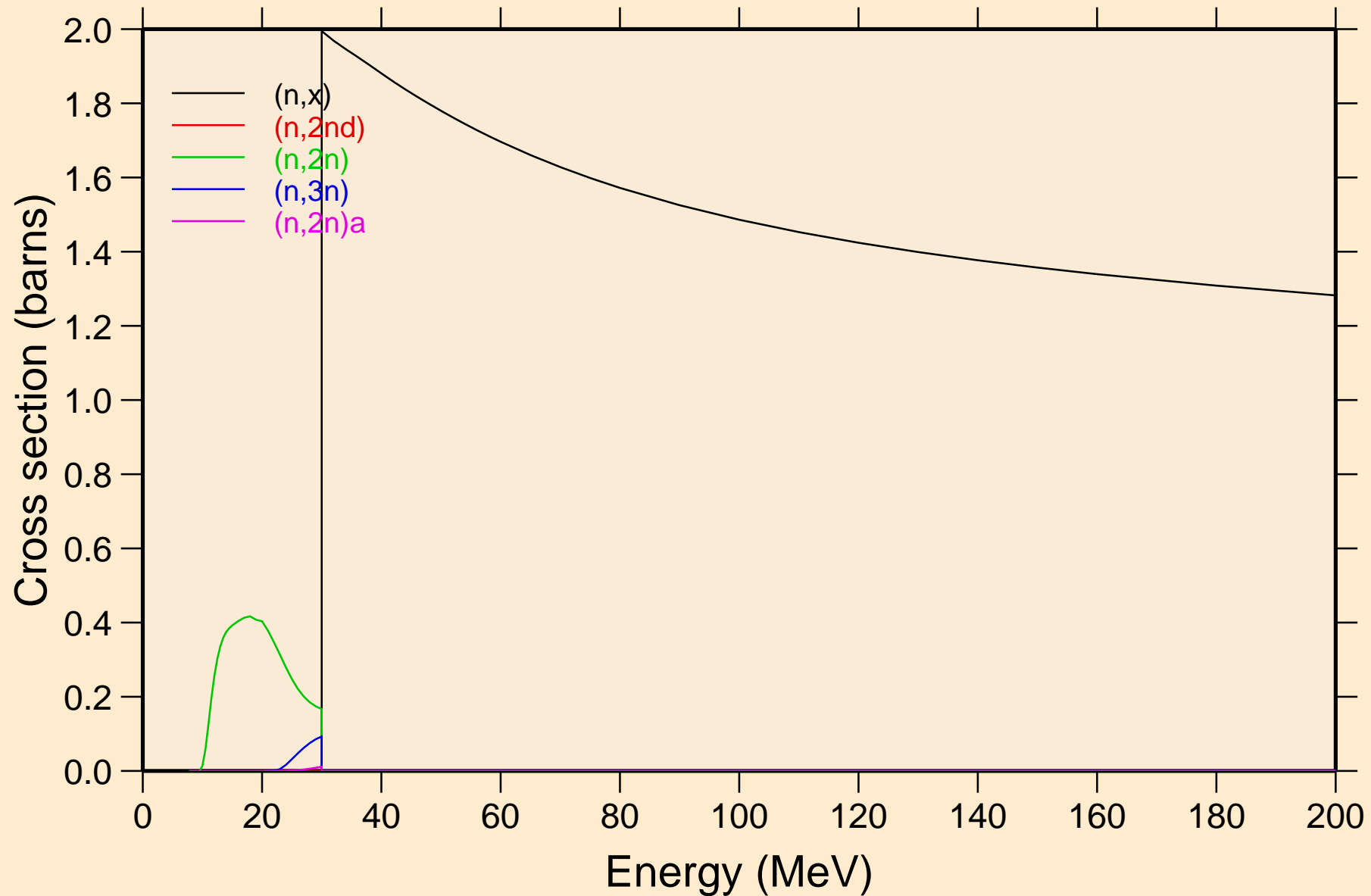
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



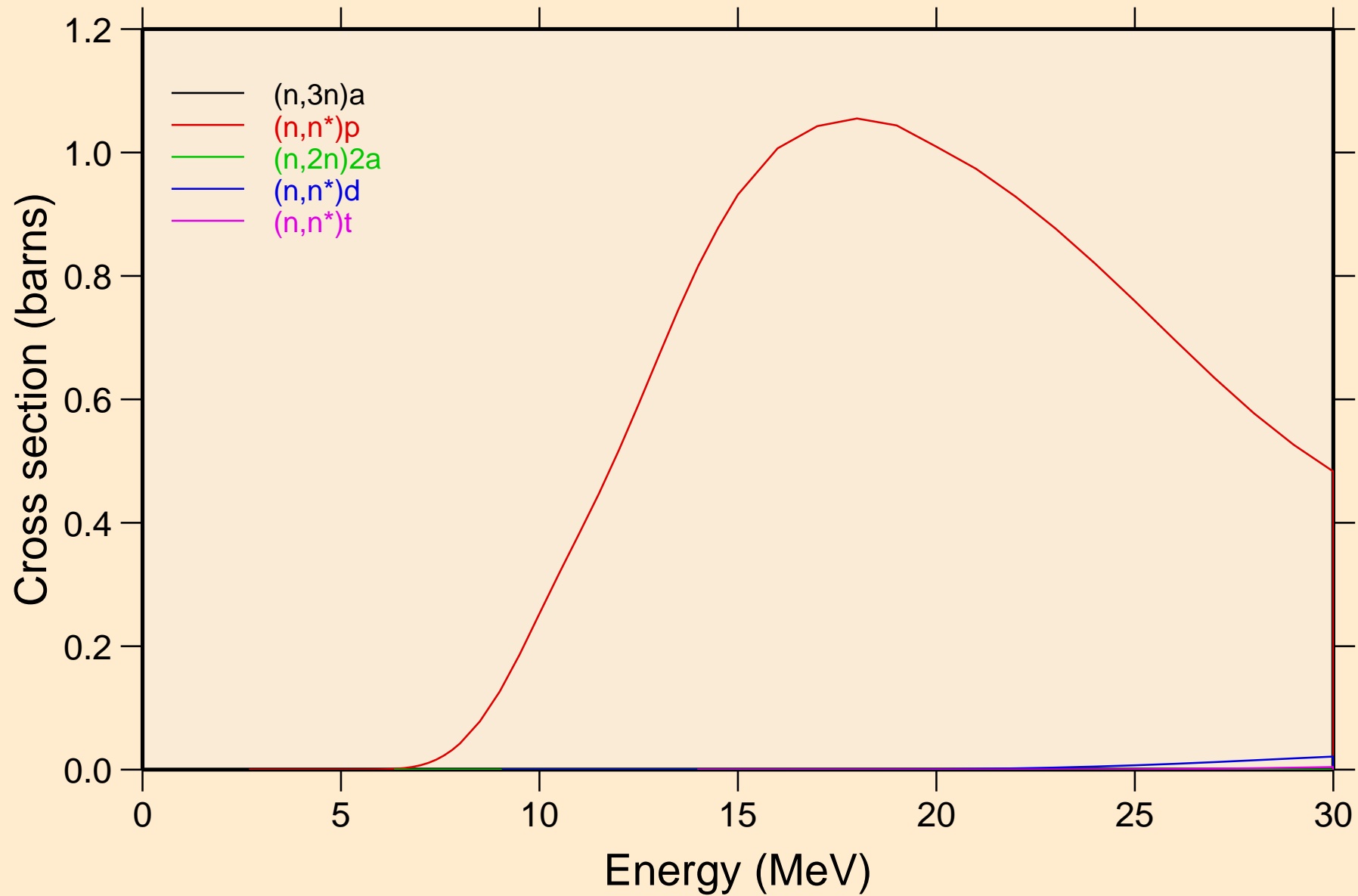


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

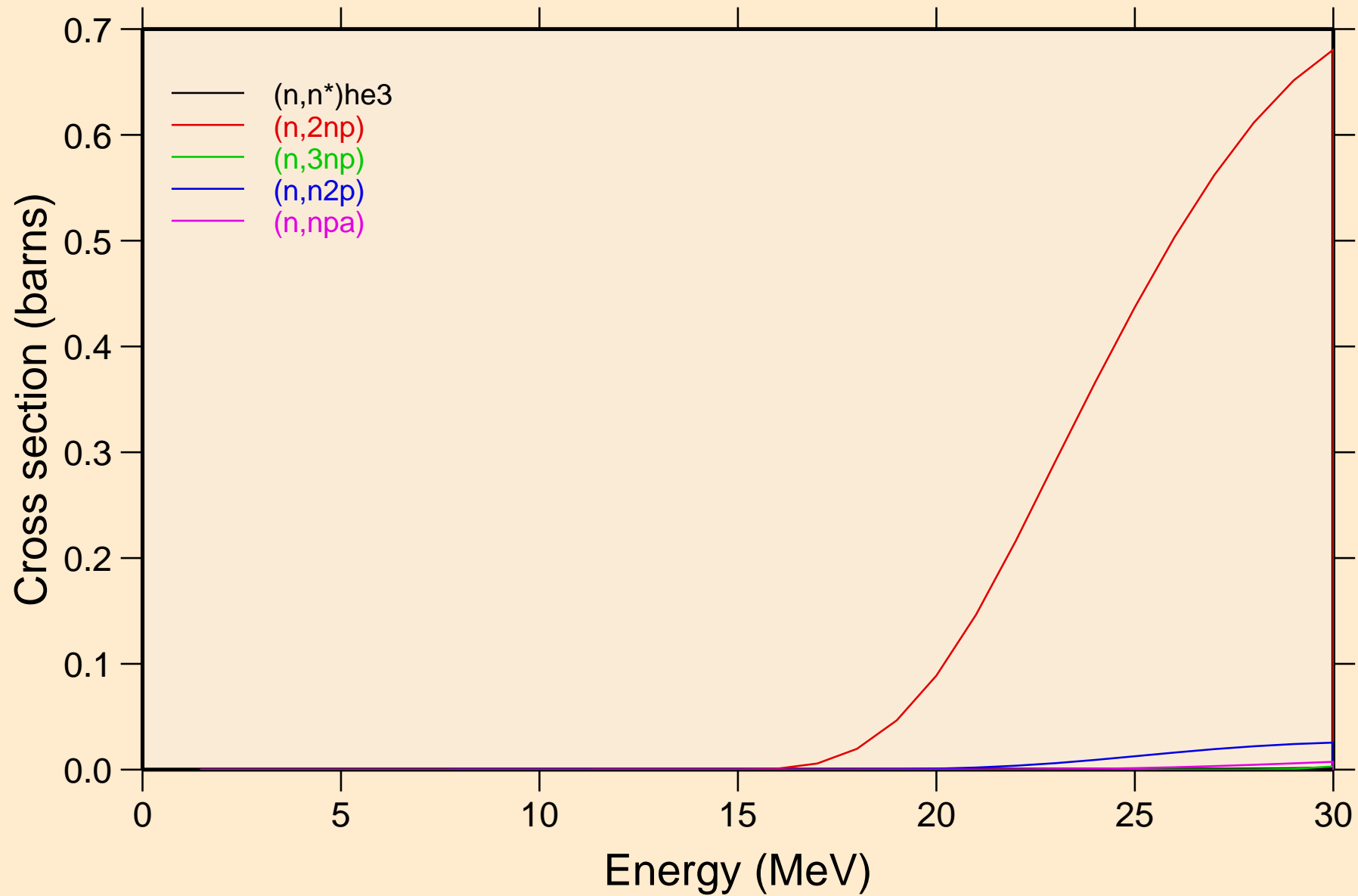


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



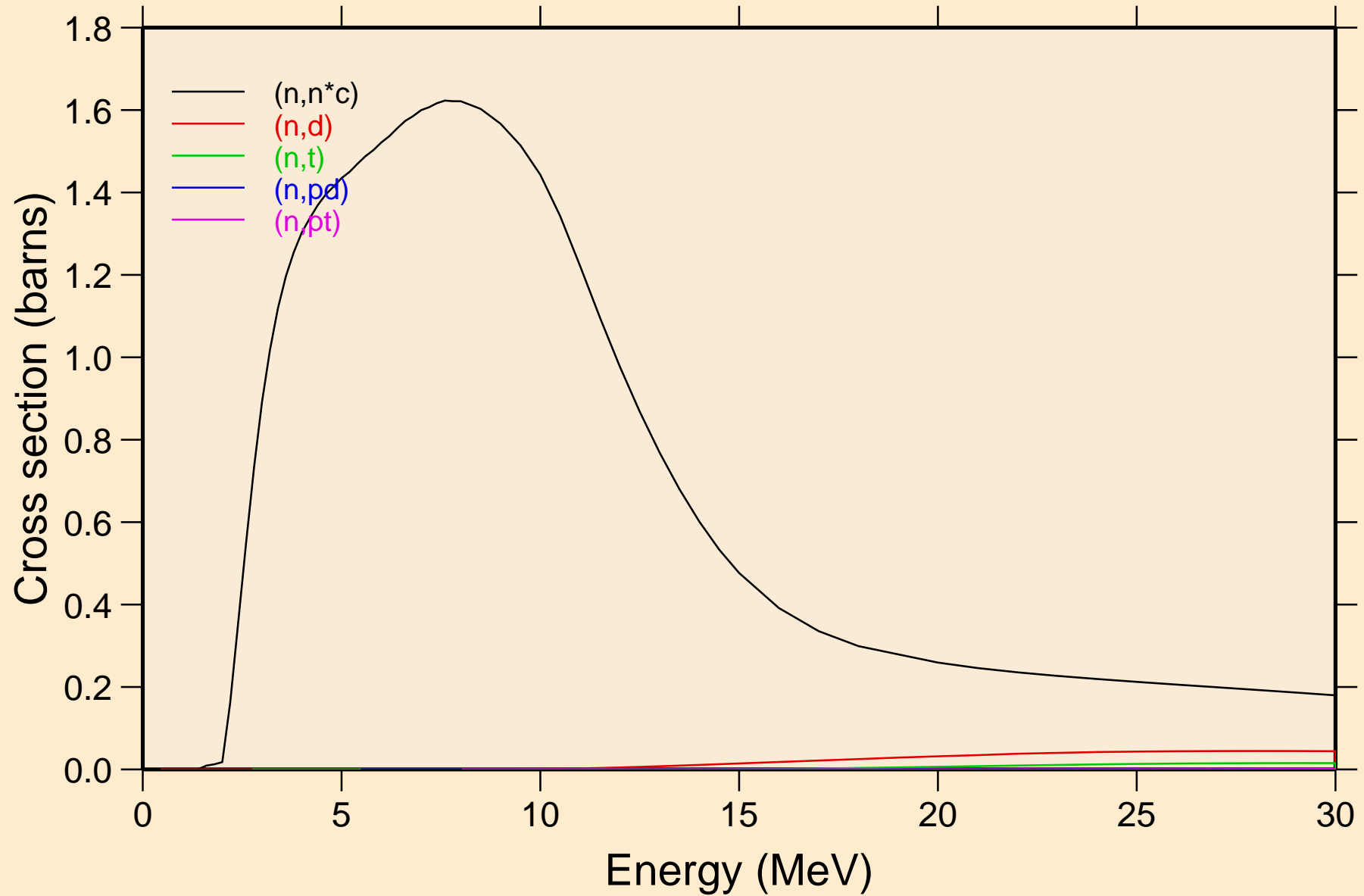
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Threshold reactions

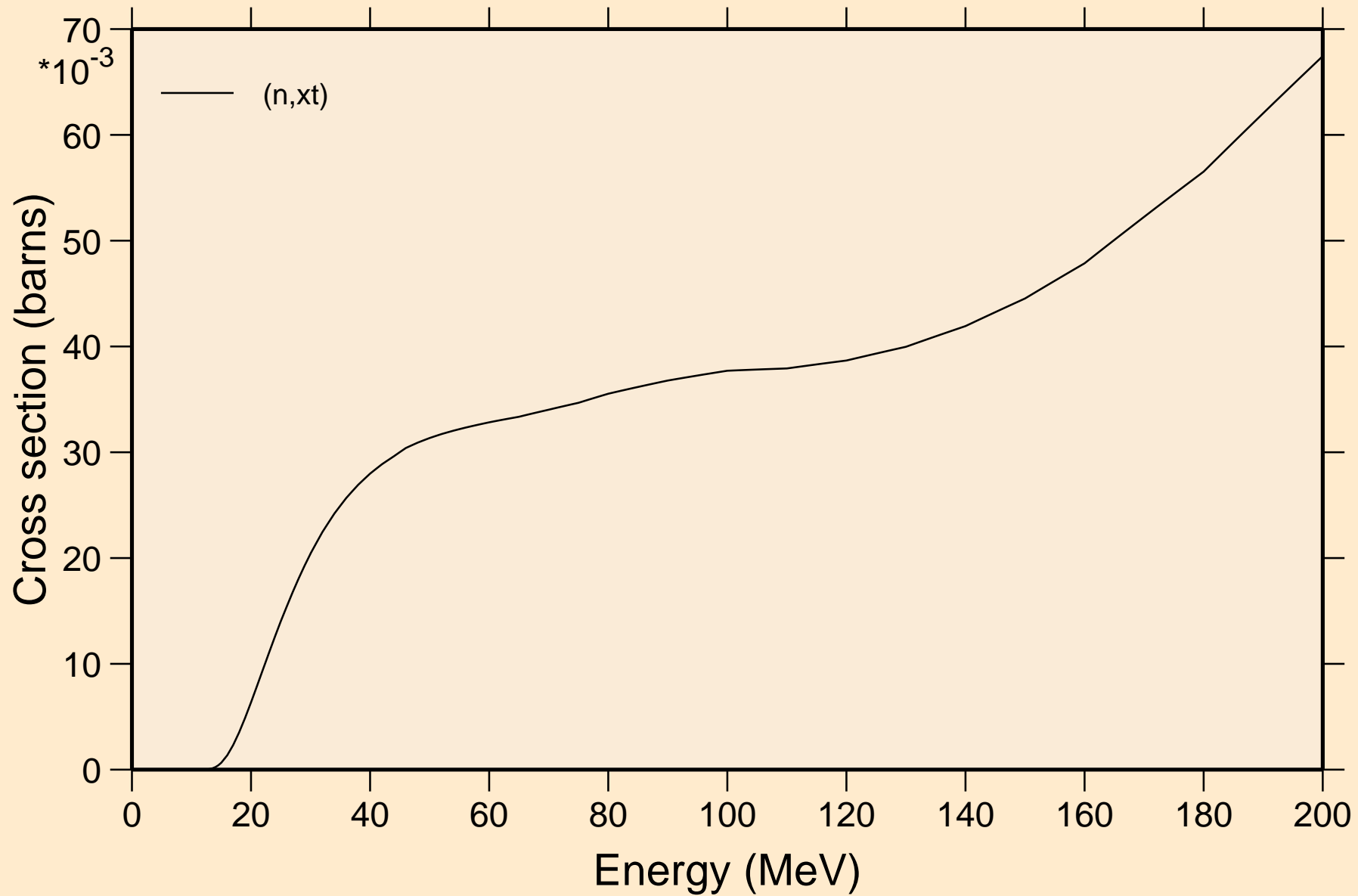


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

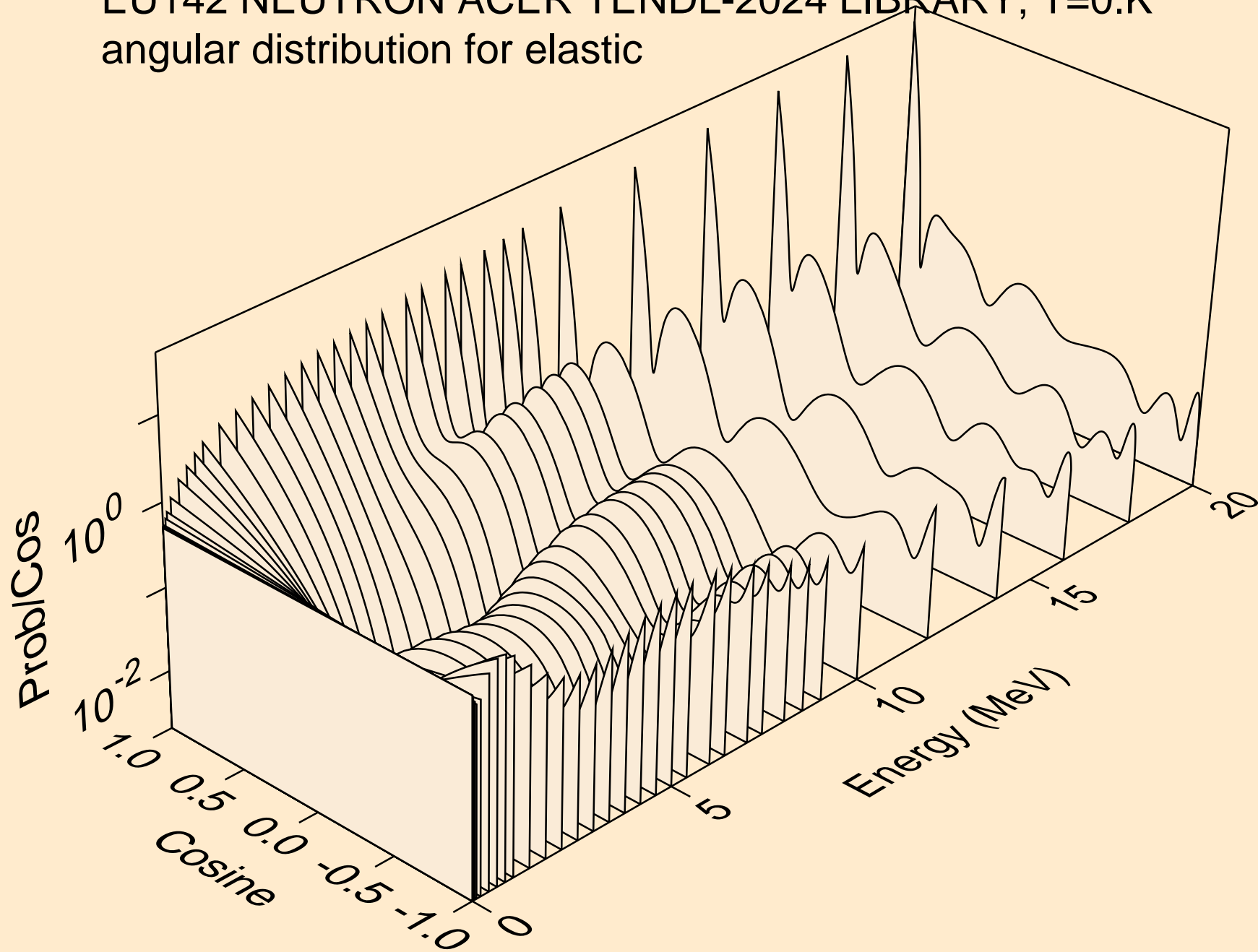
## Threshold reactions



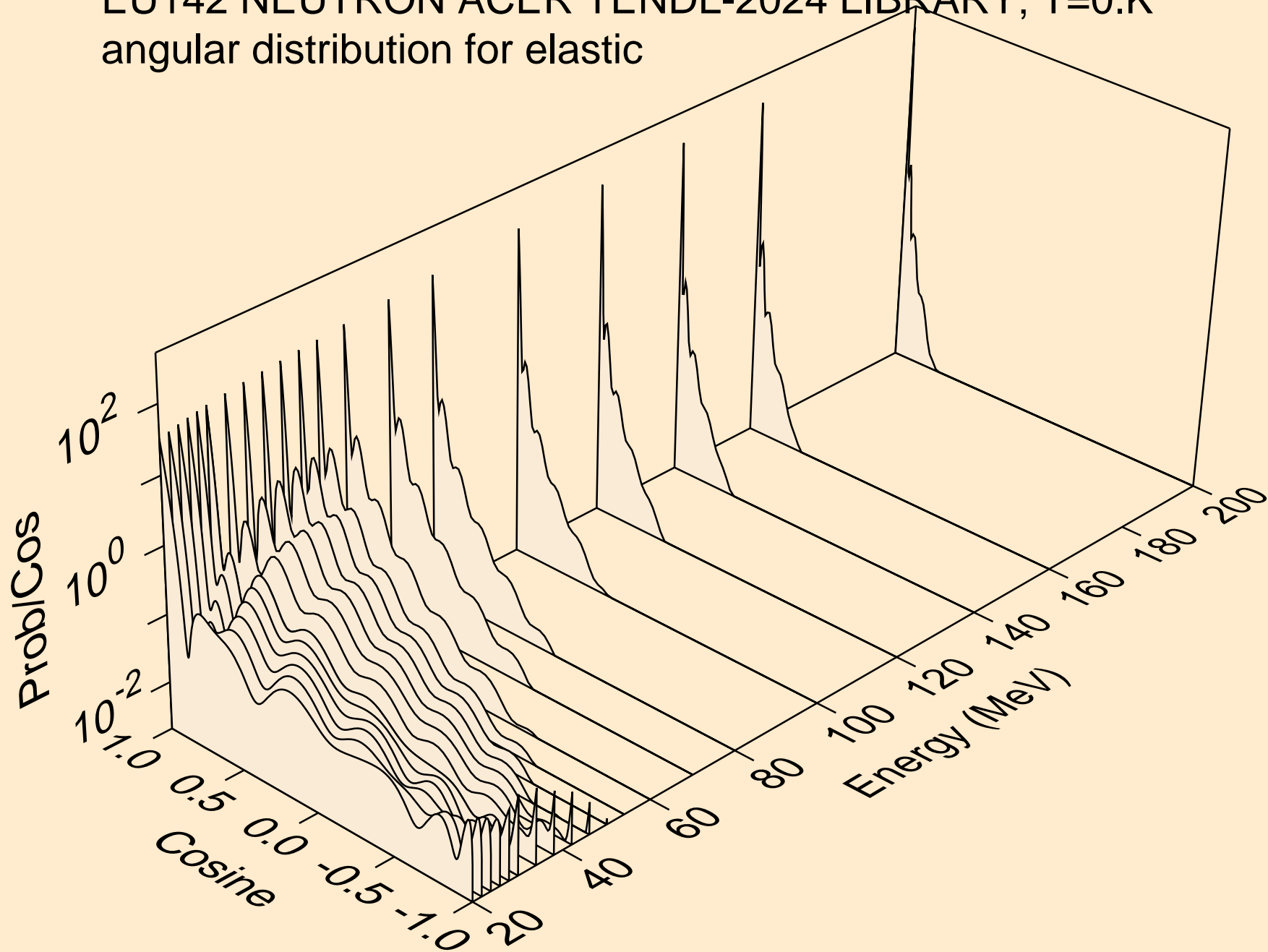
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



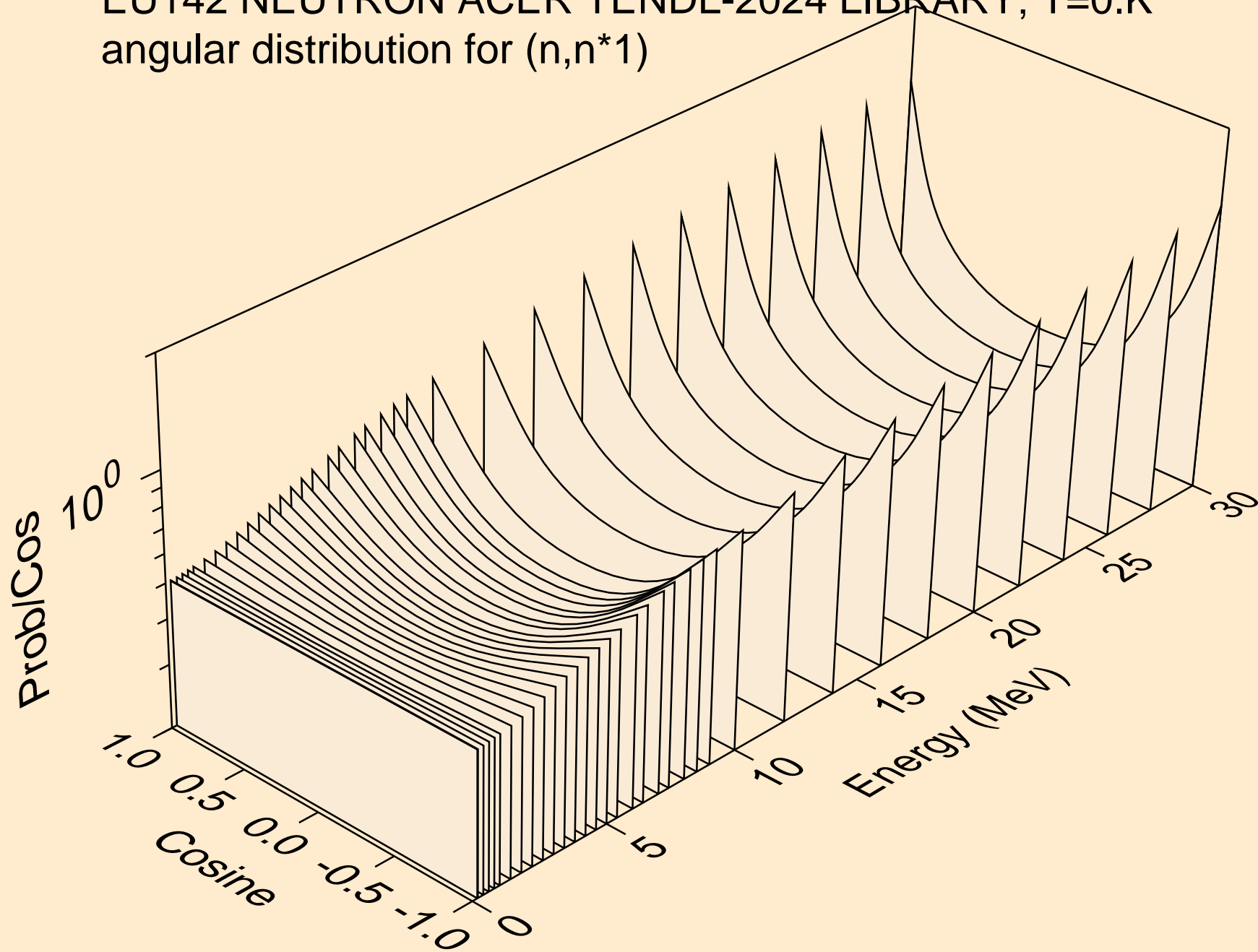
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

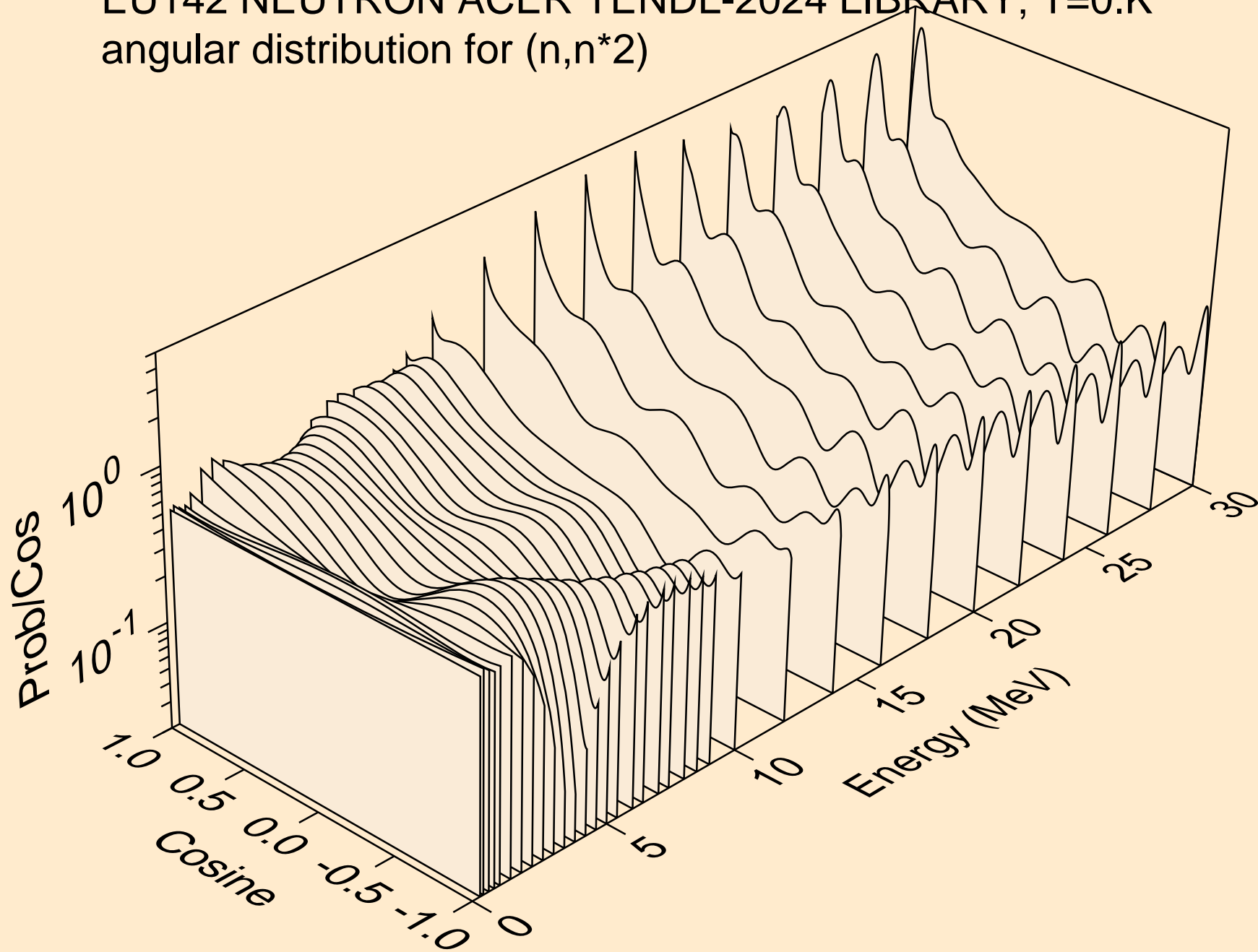


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

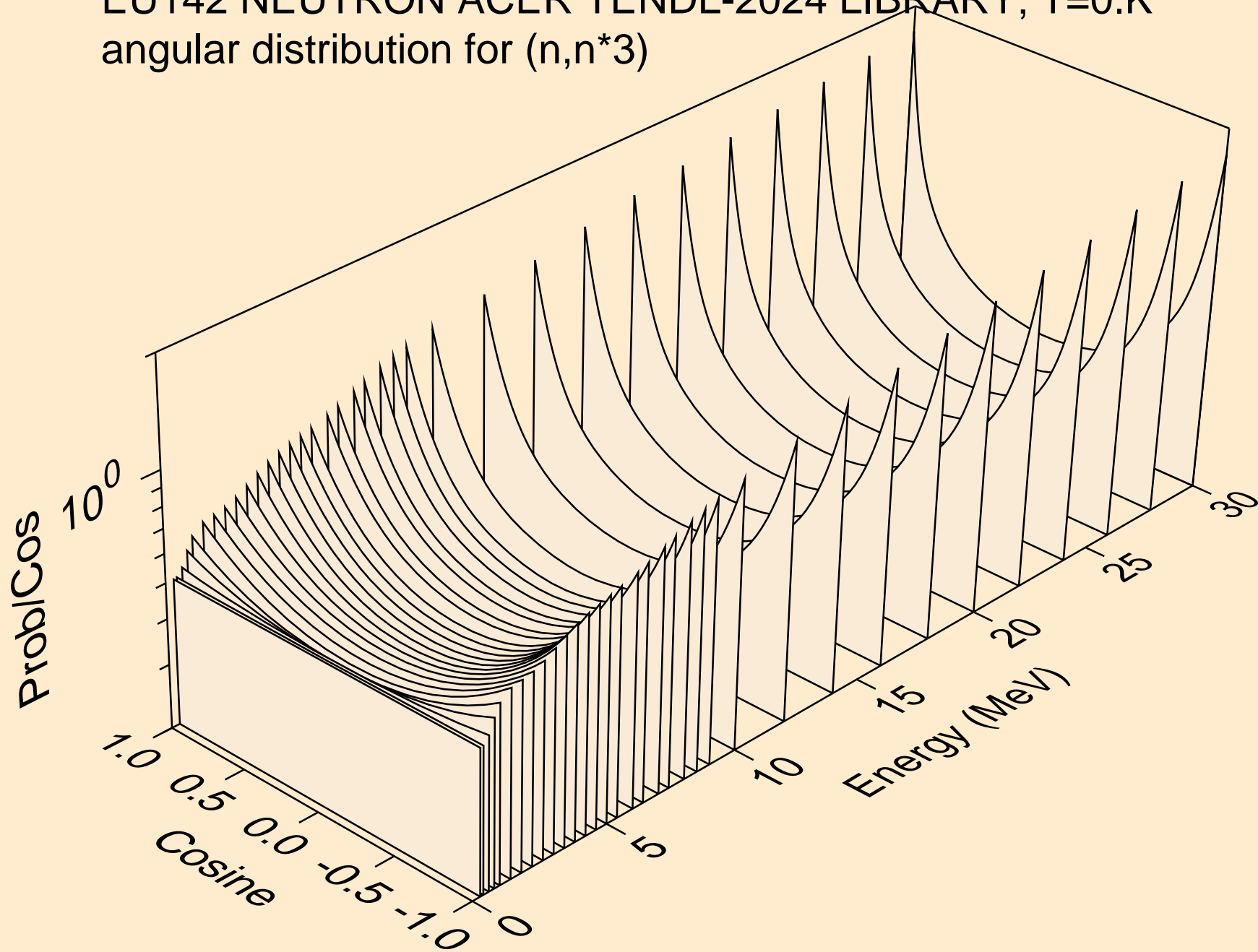




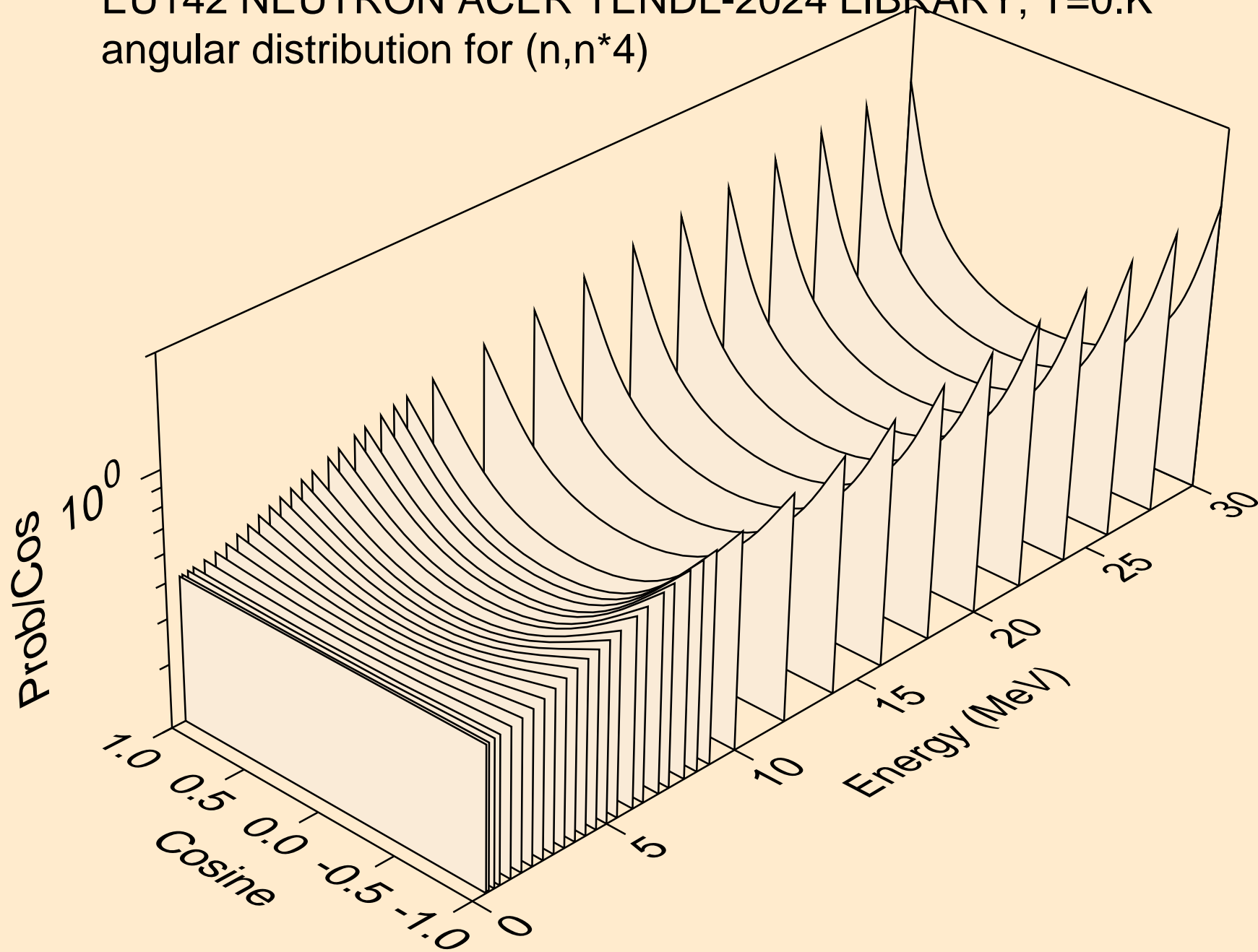
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



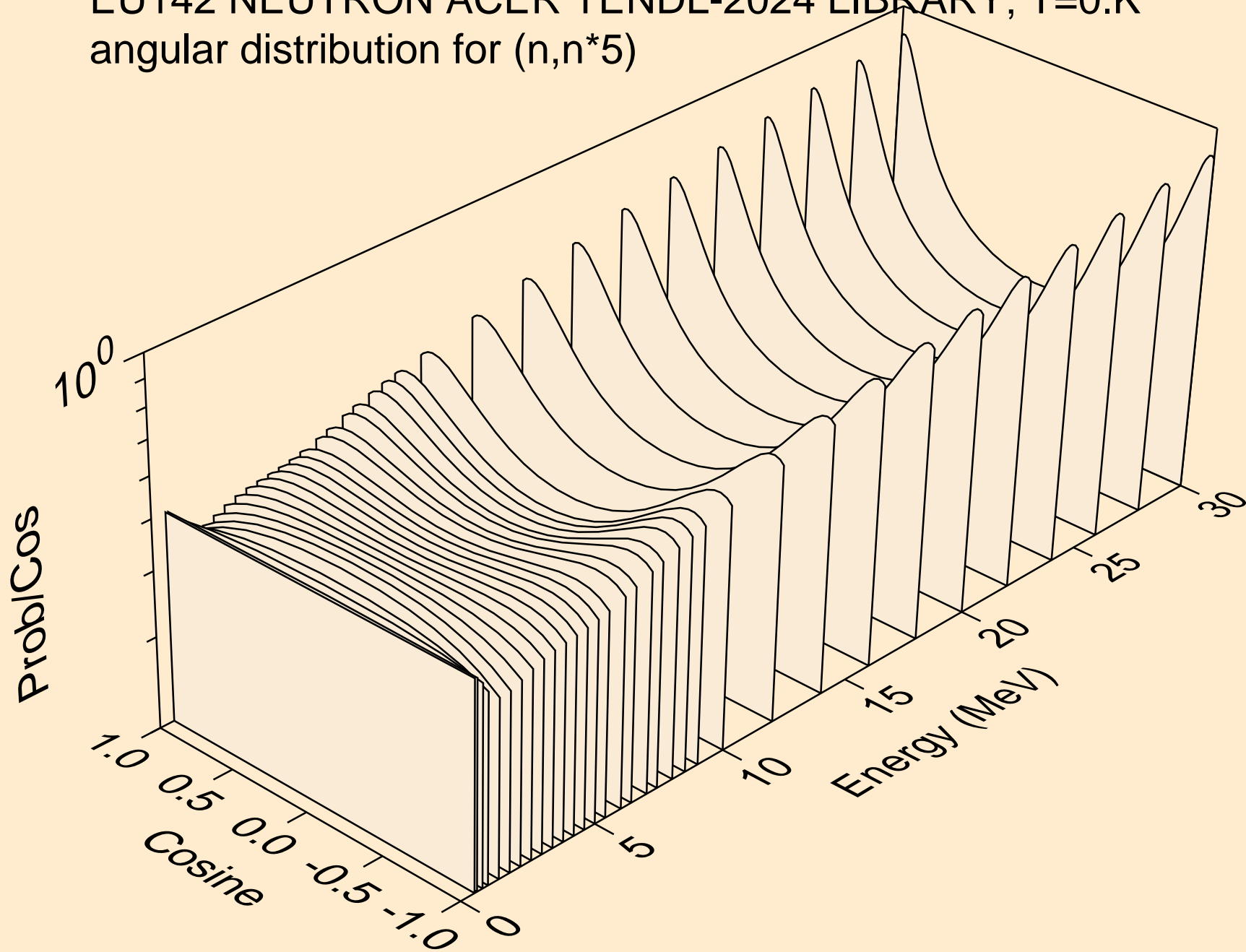
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



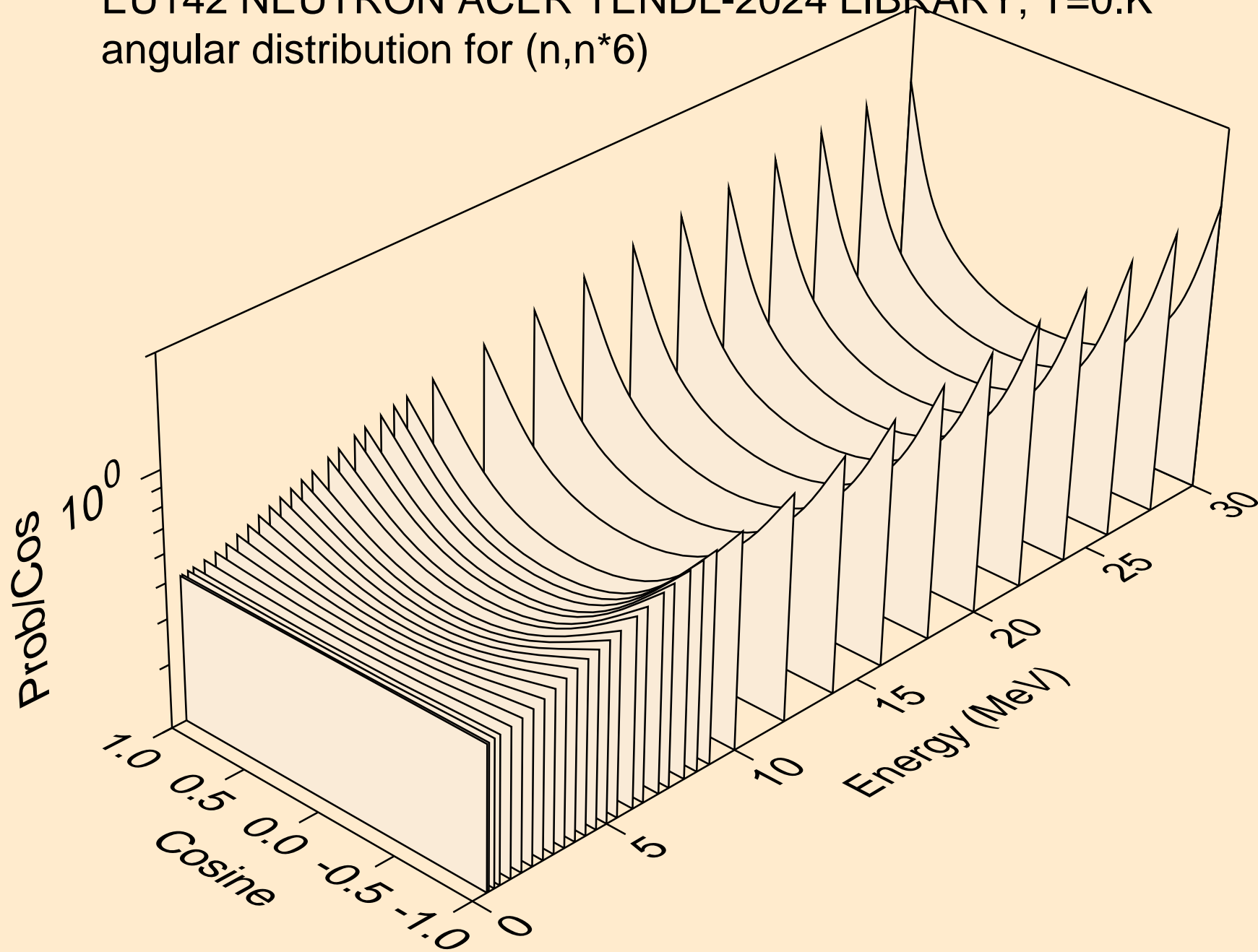
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



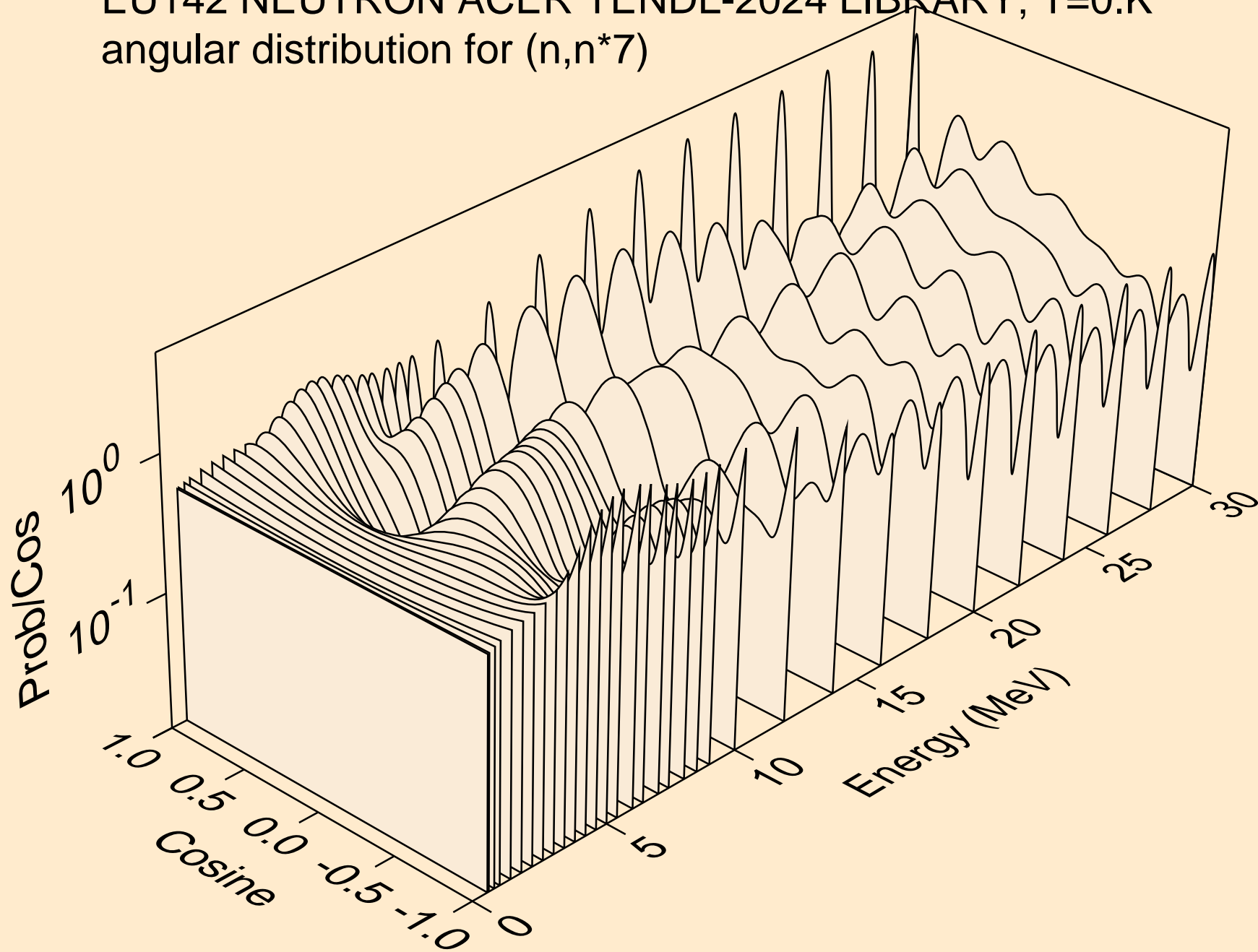
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



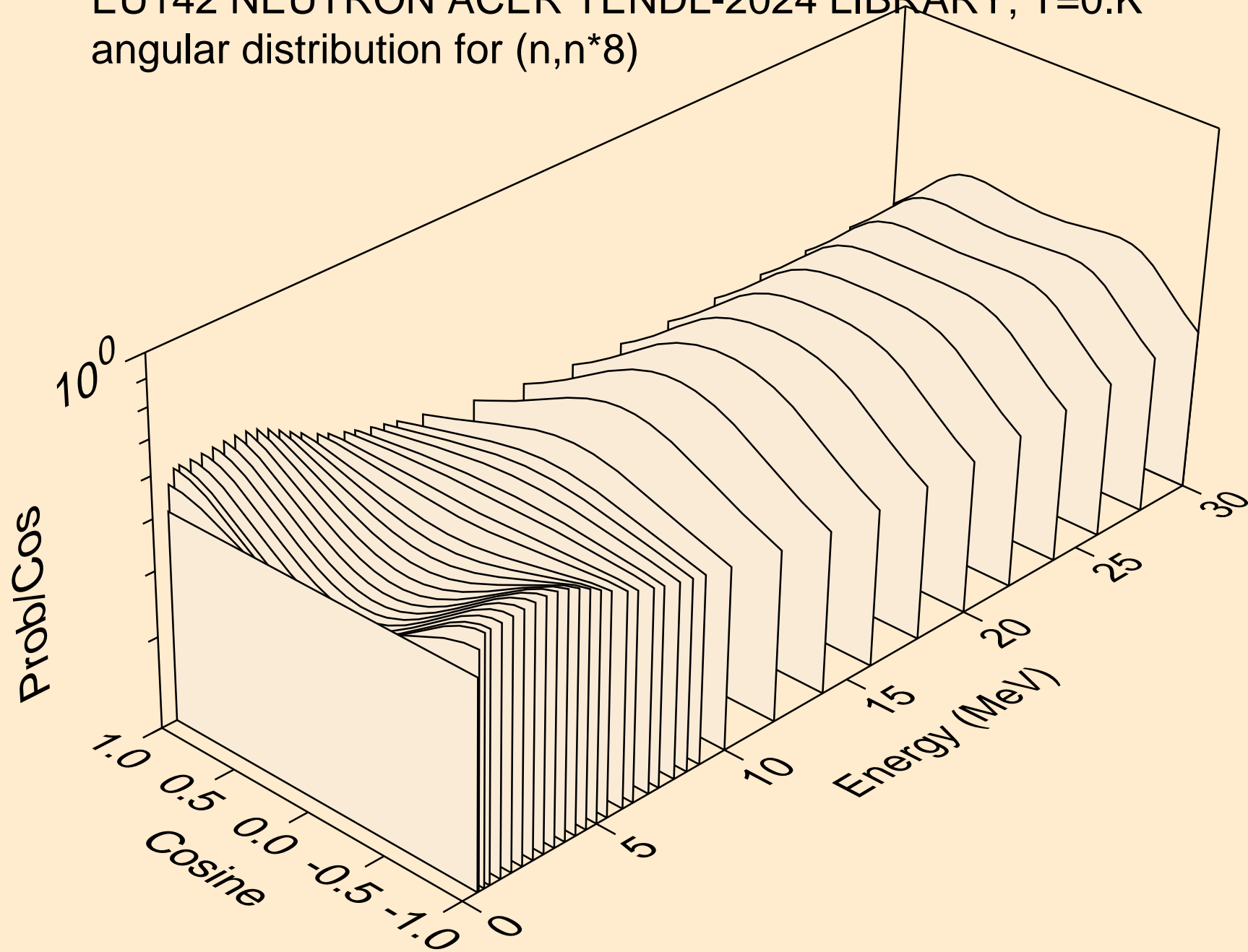
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



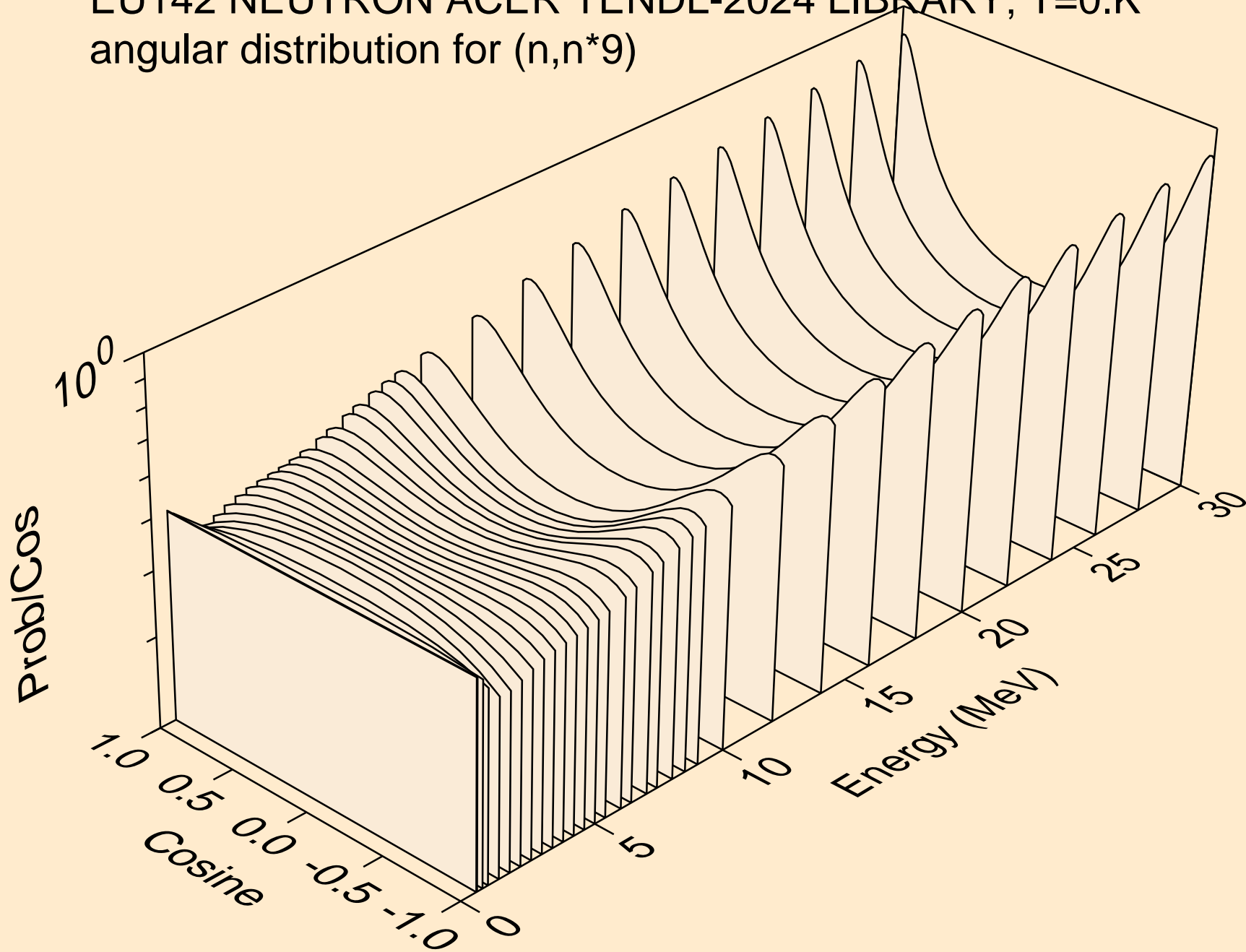
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*8)

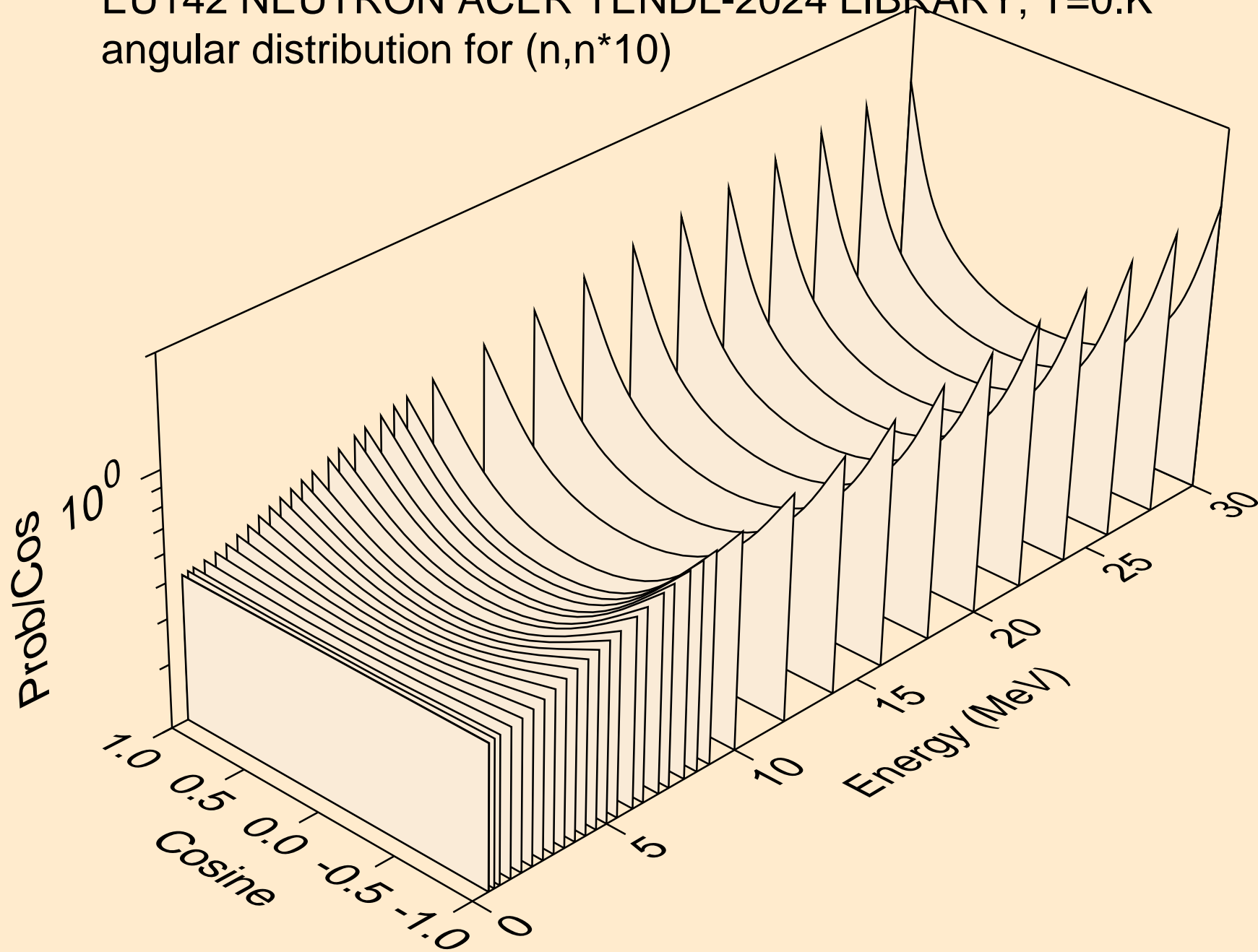


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*9)

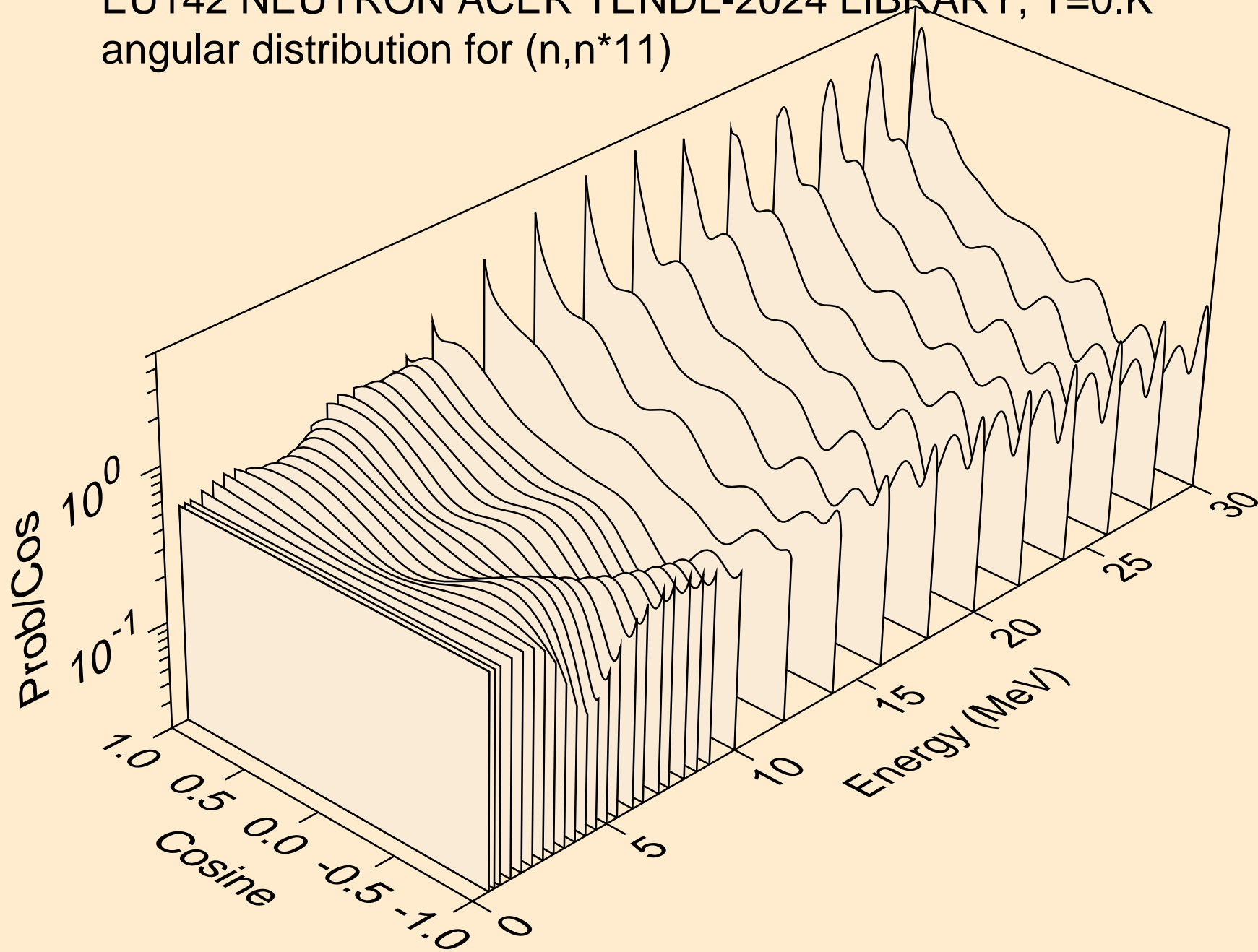




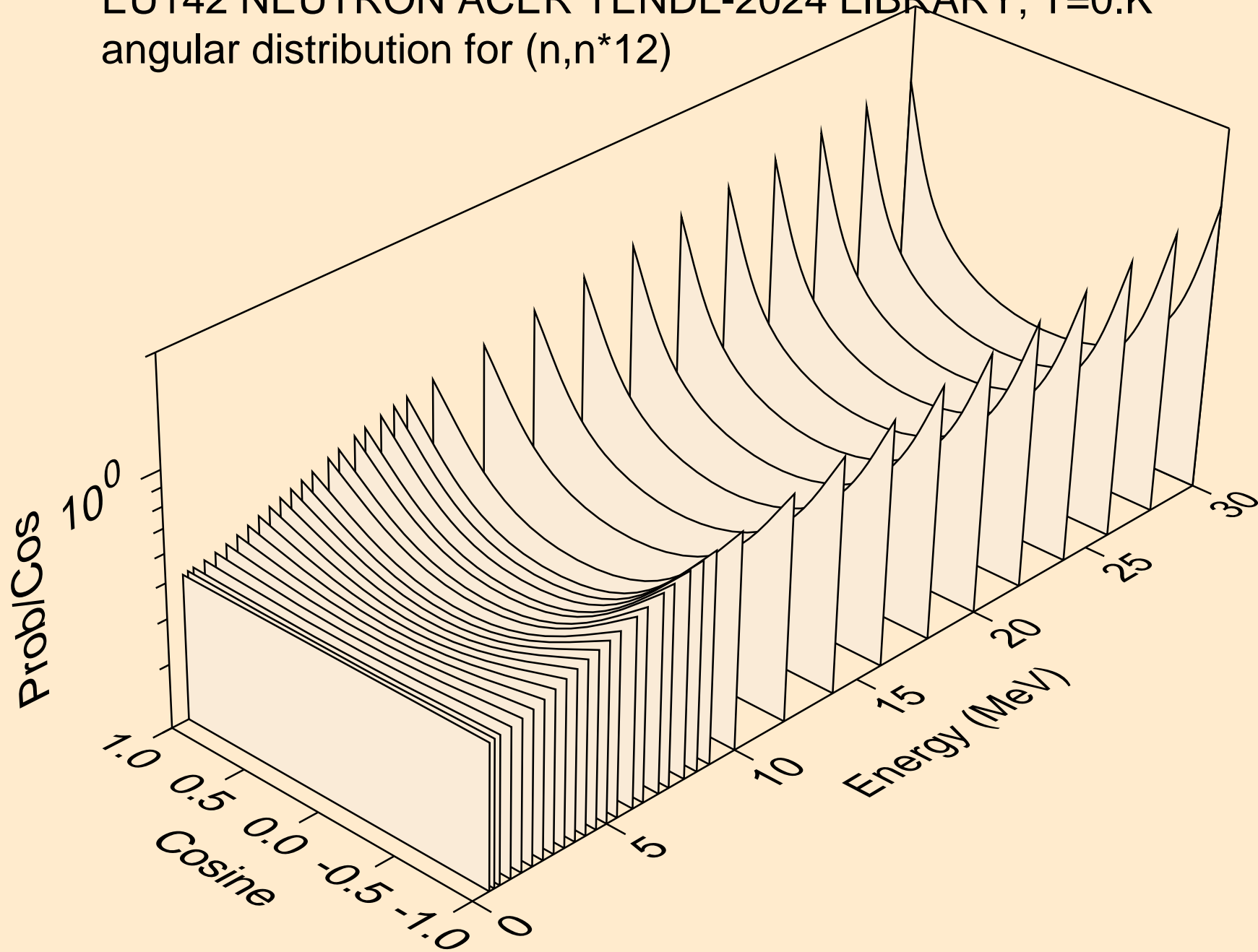
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



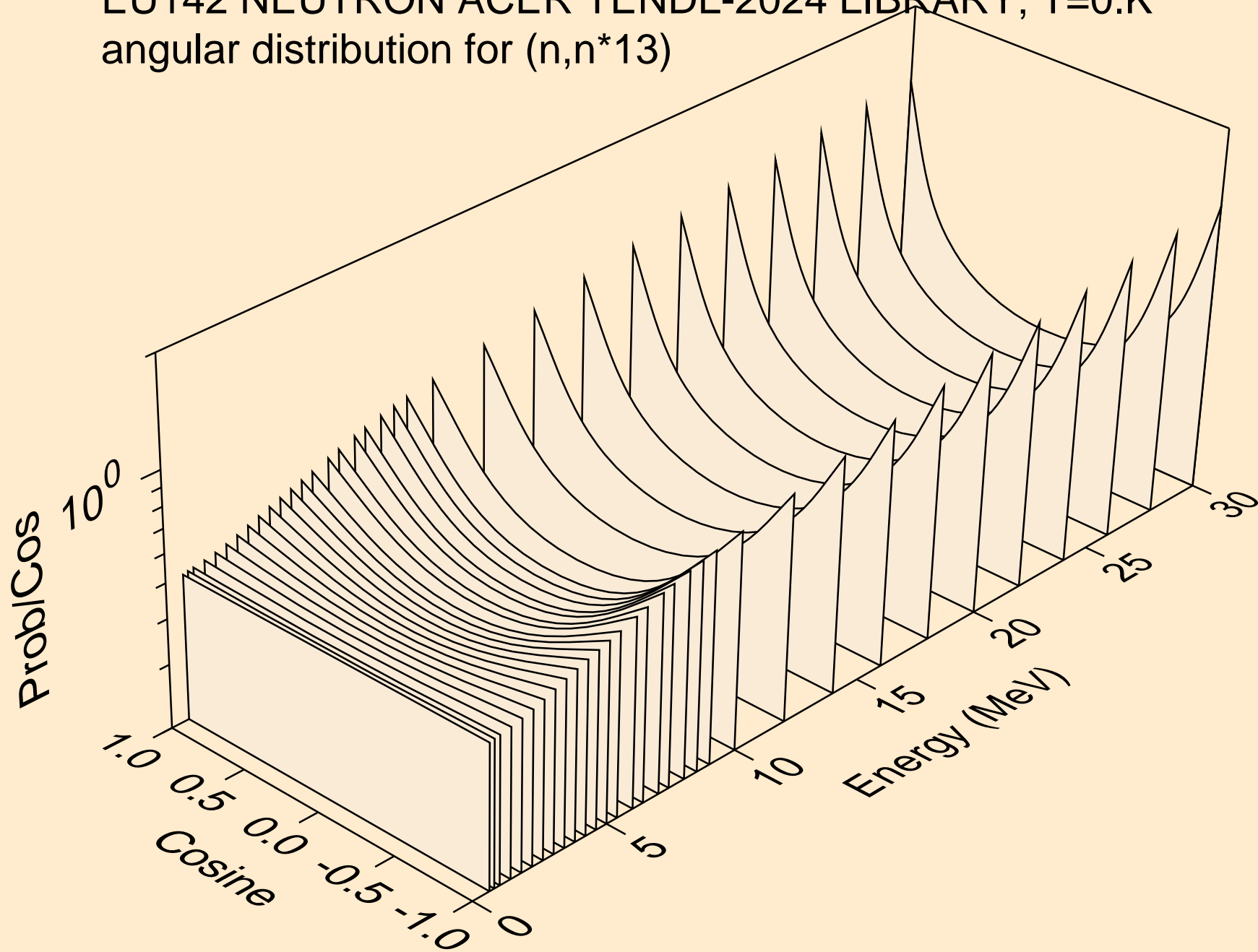
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



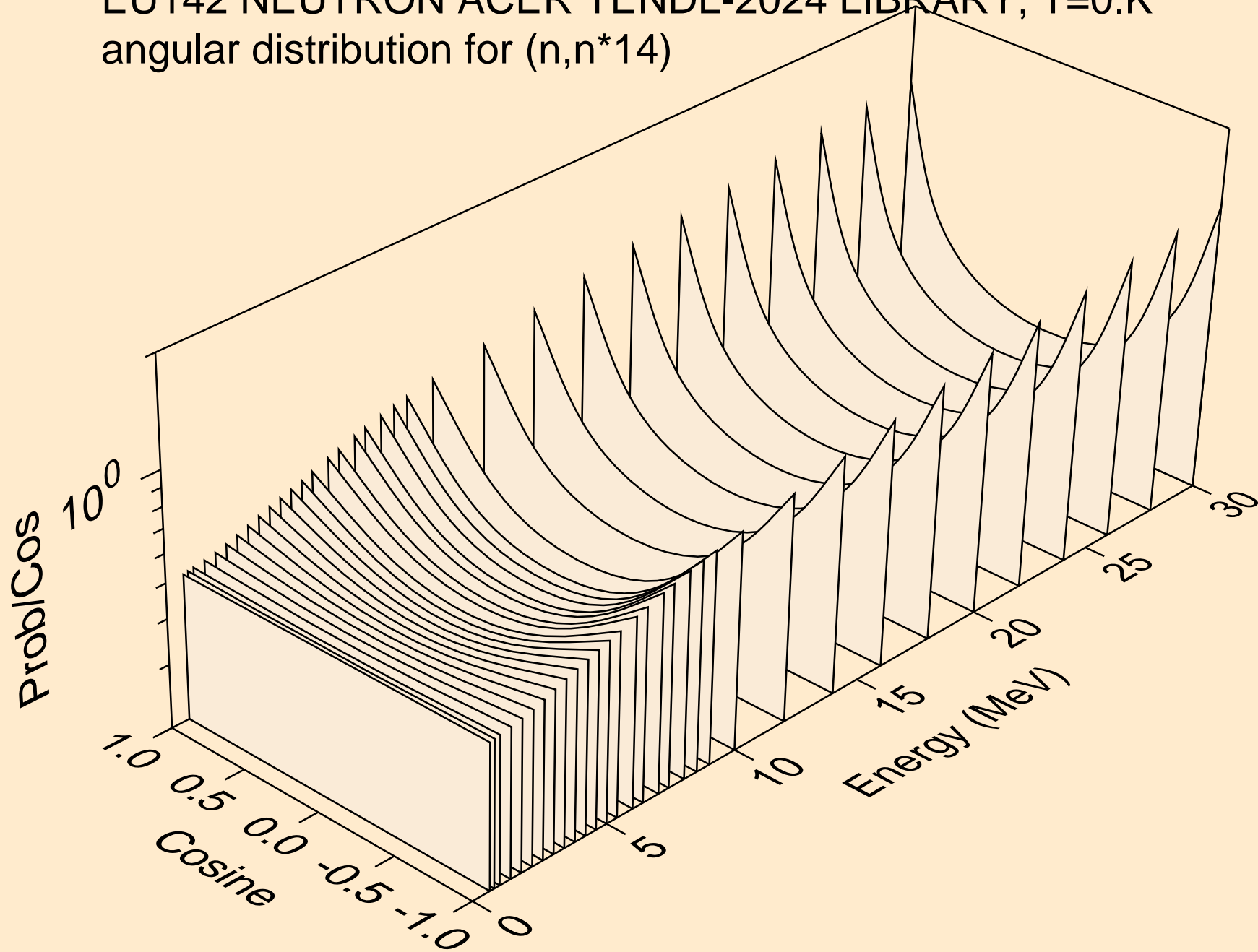
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



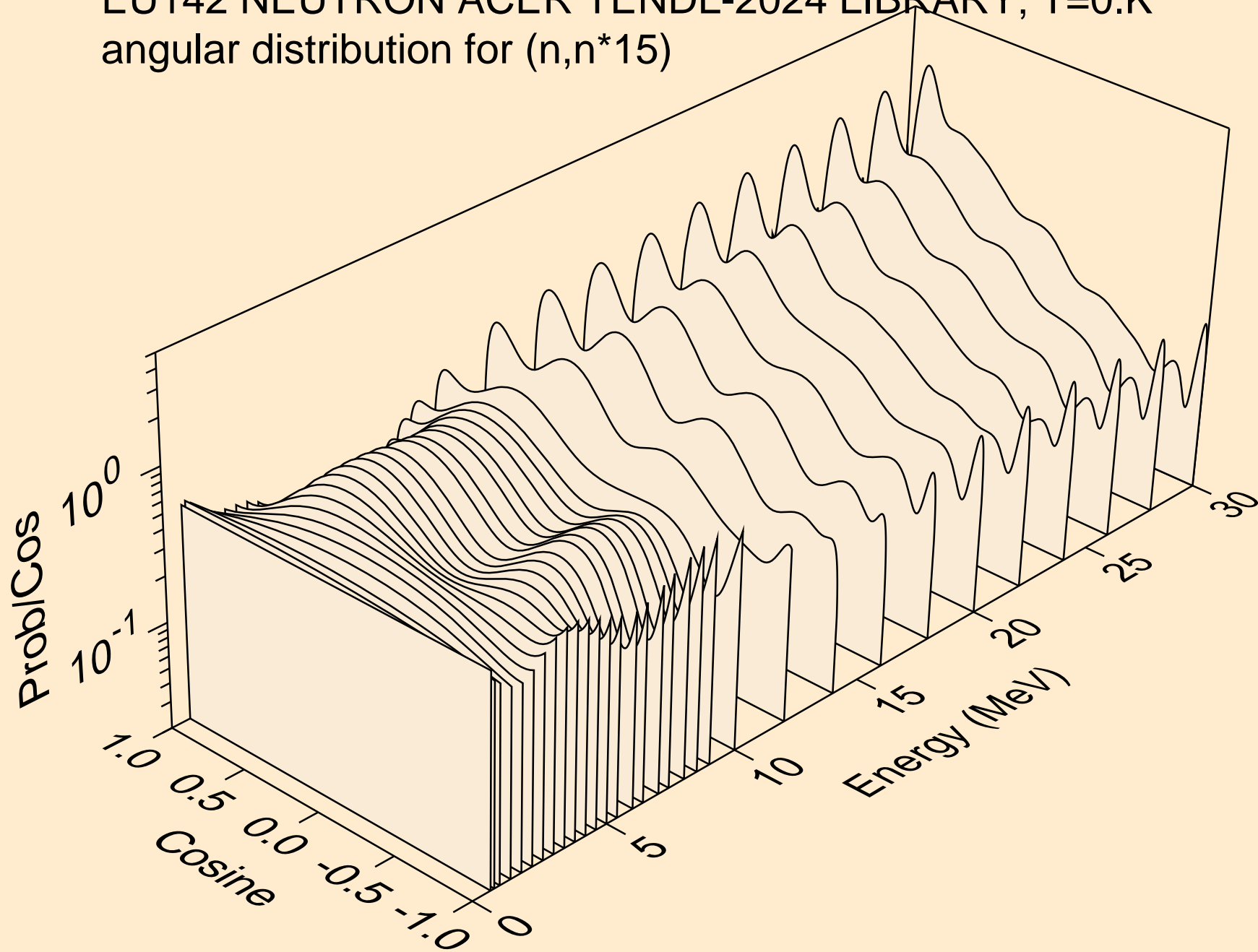
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



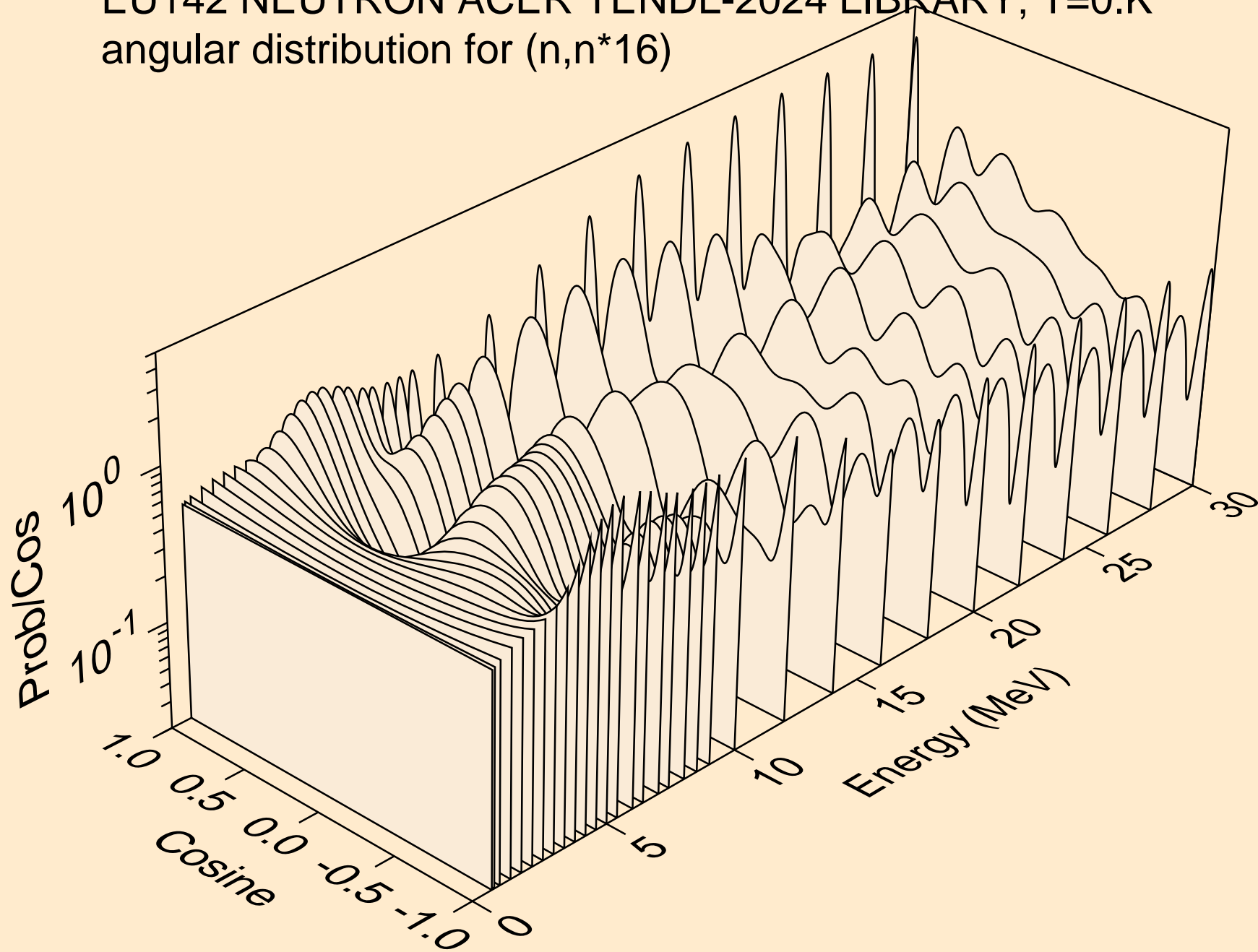
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



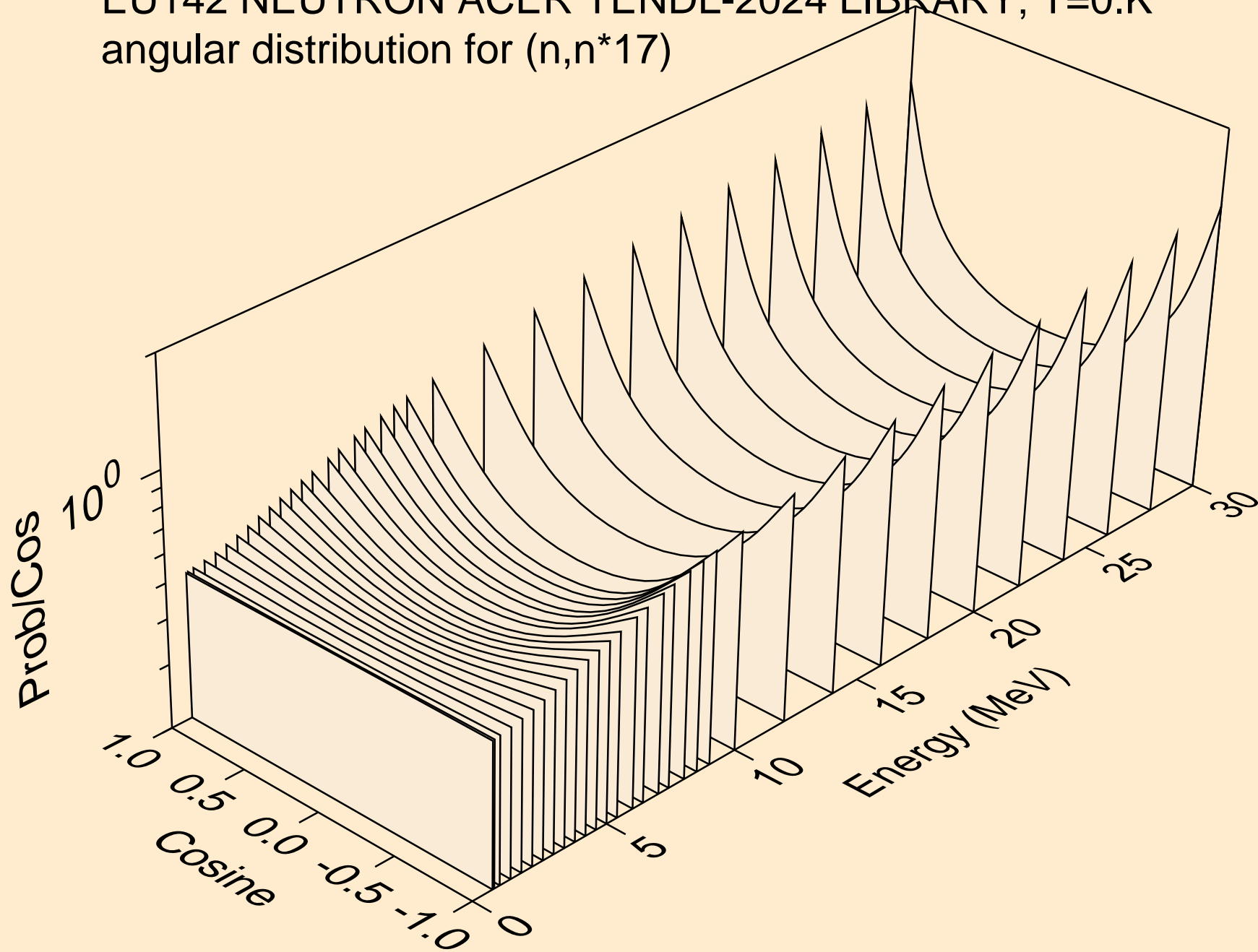
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*16)

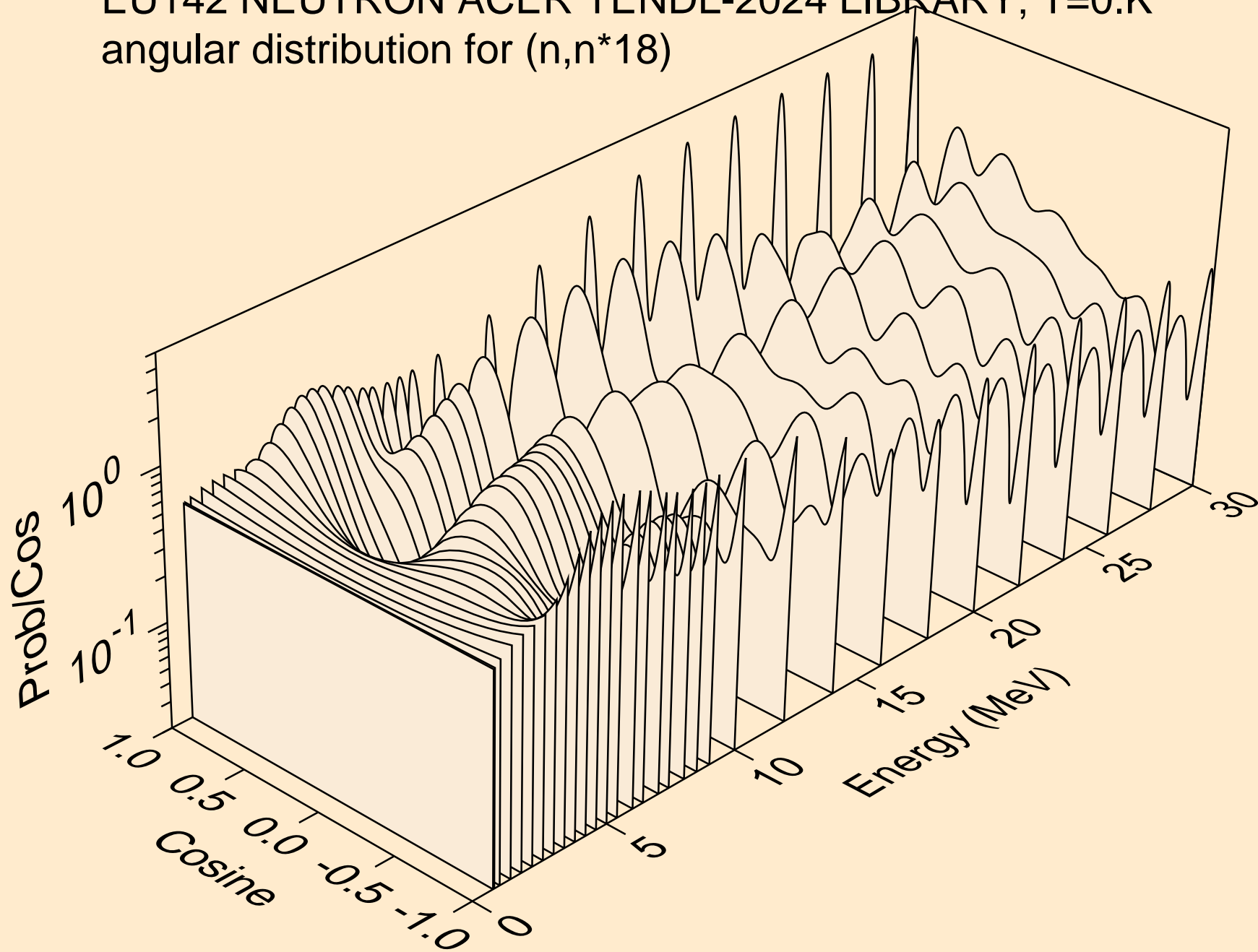


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*17)

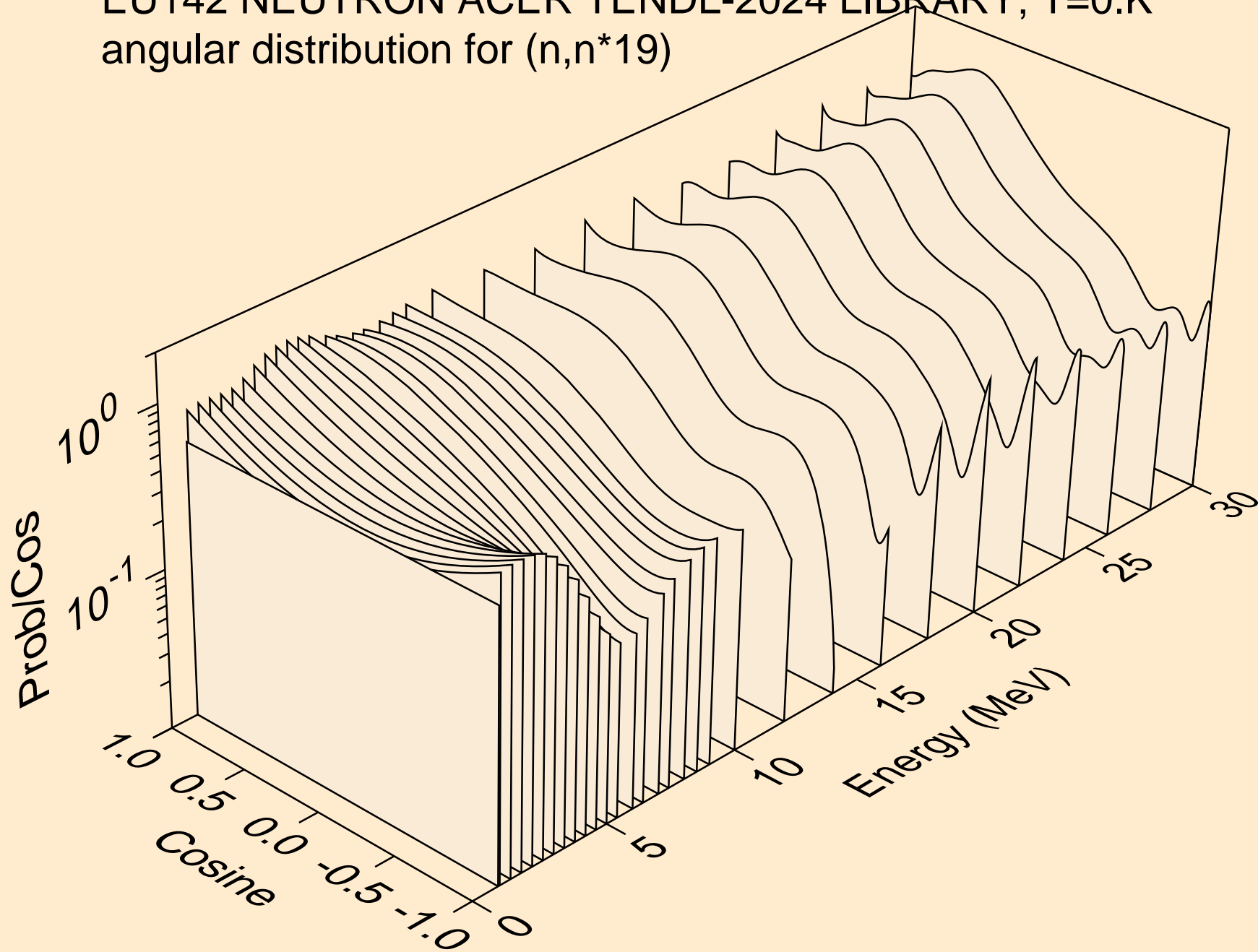




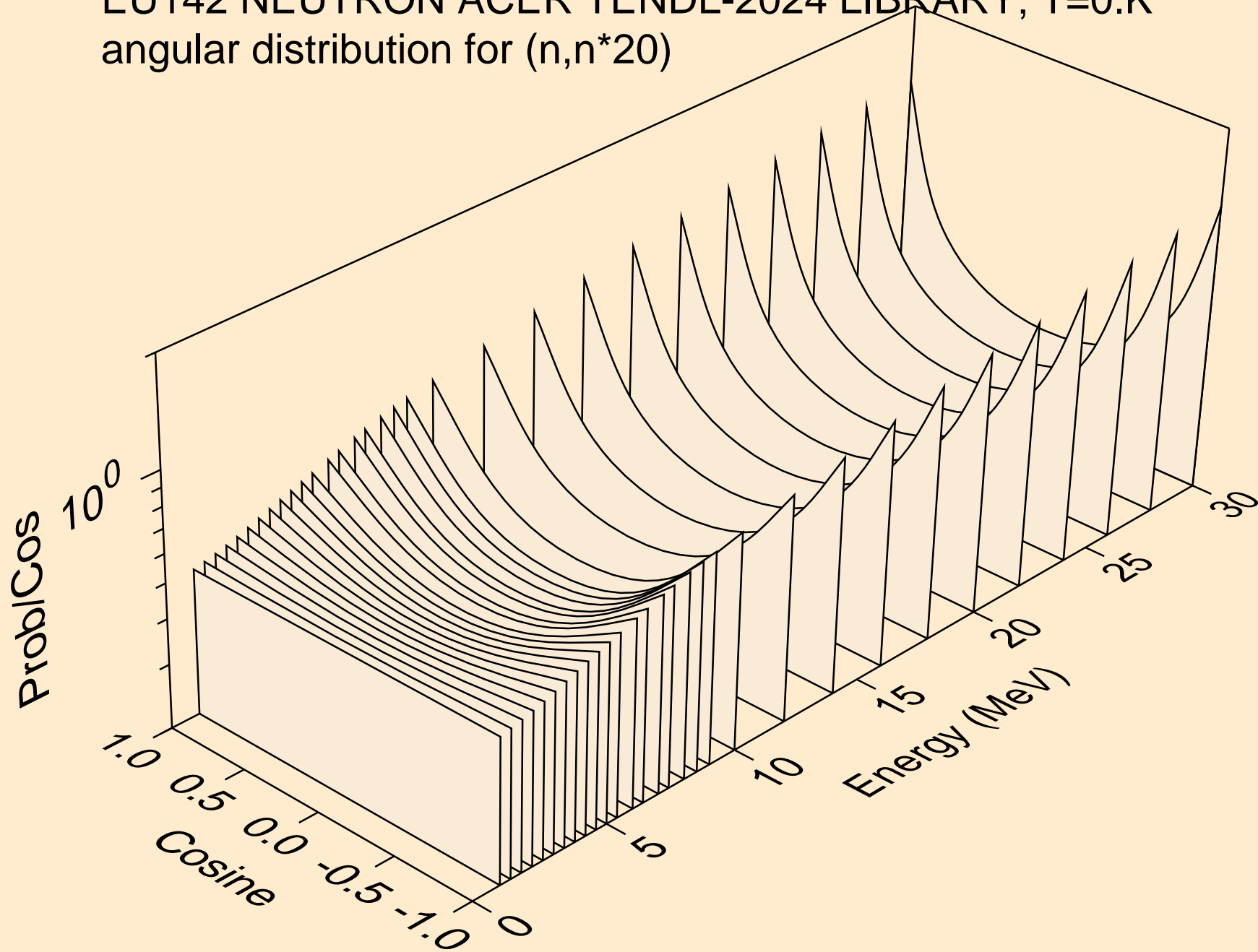
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angular distribution for (n,n\*18)



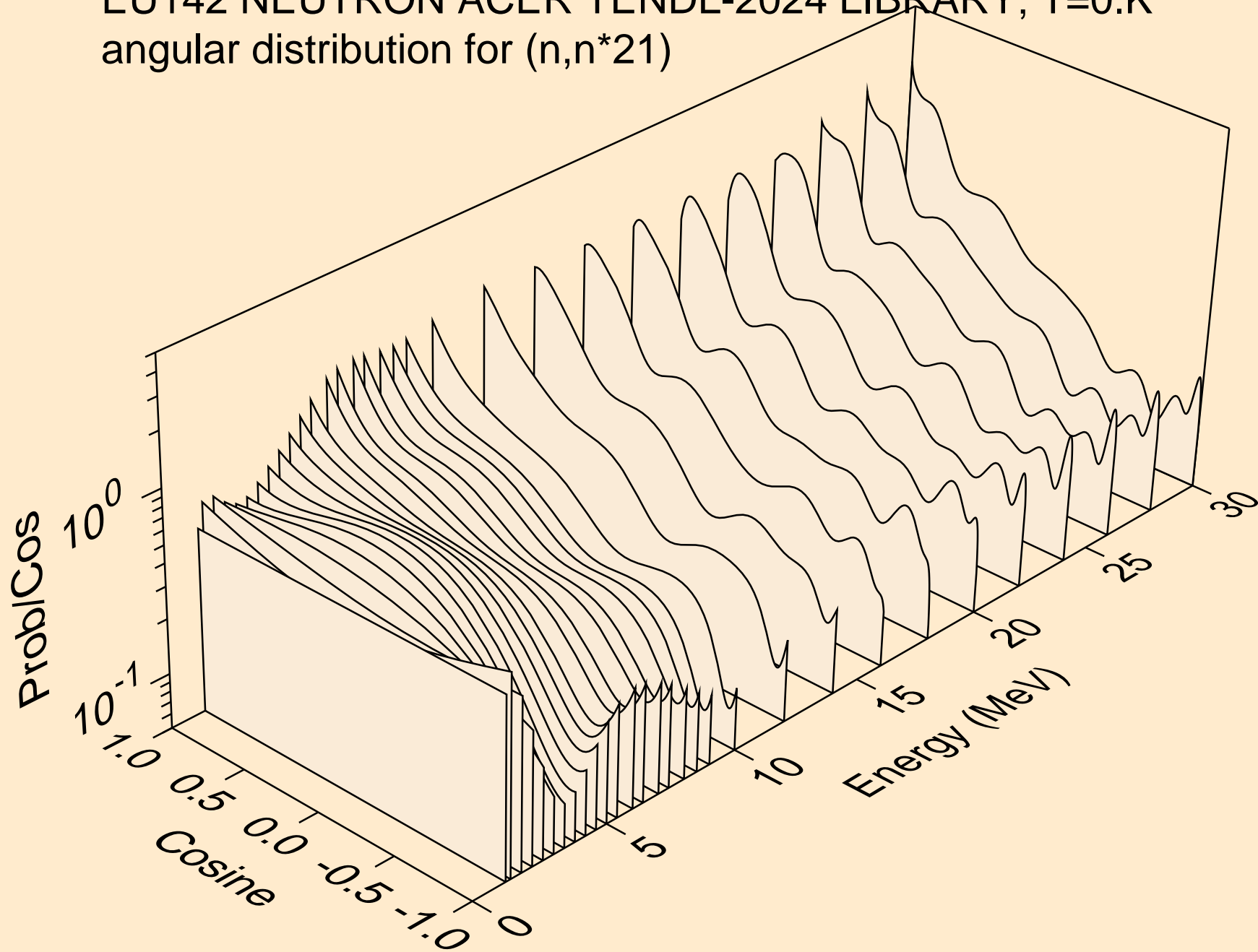
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



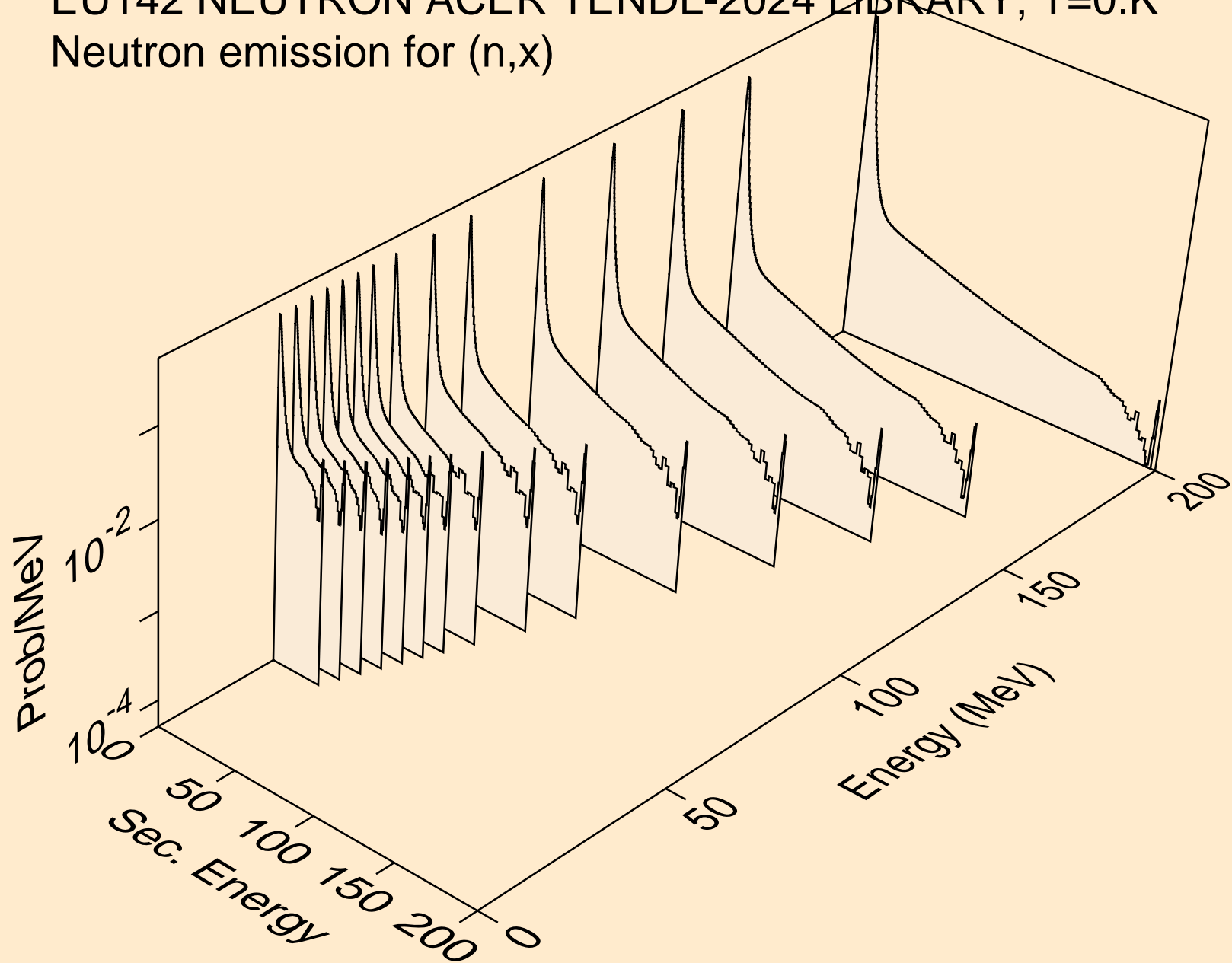
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*20)



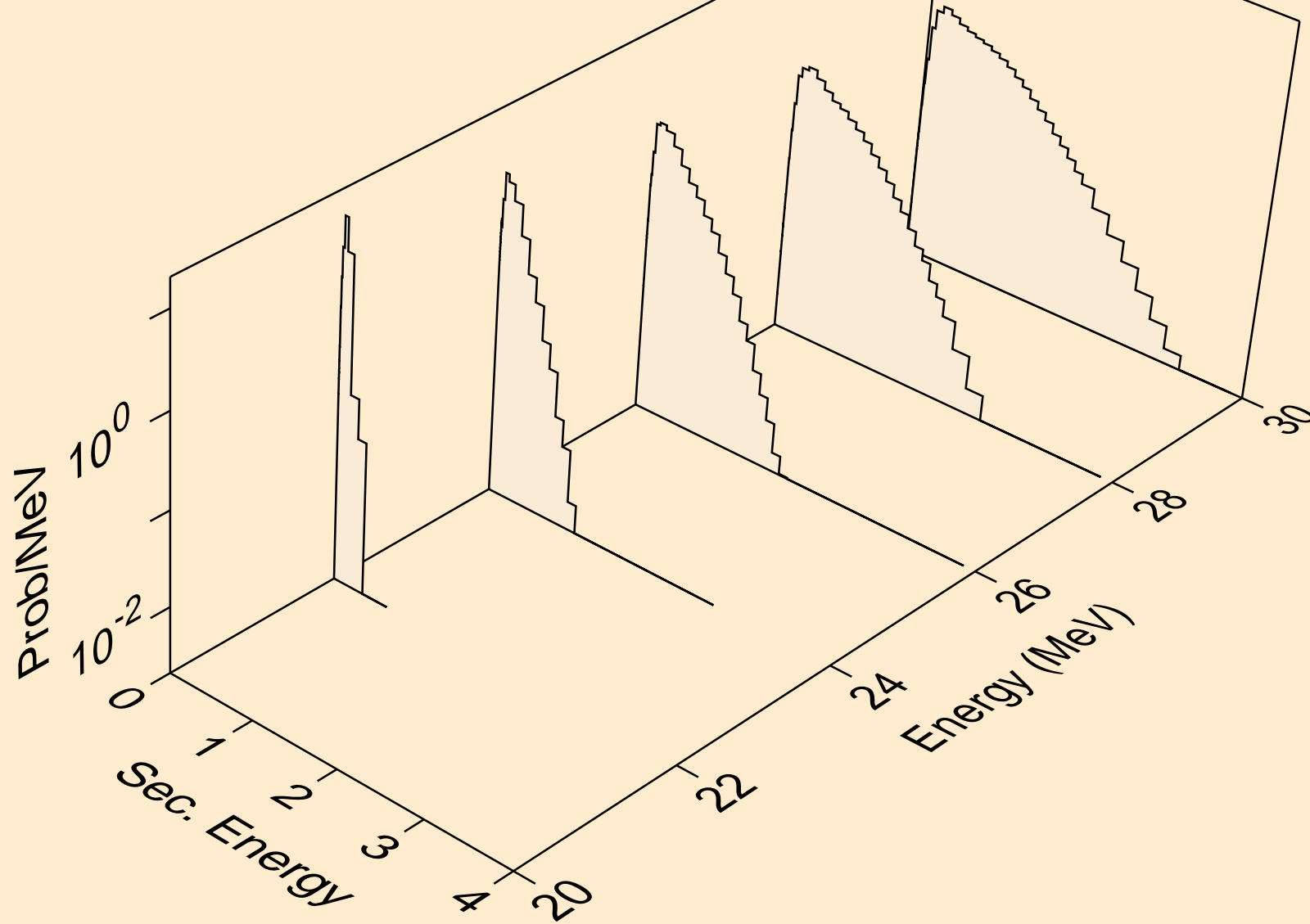
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*21)



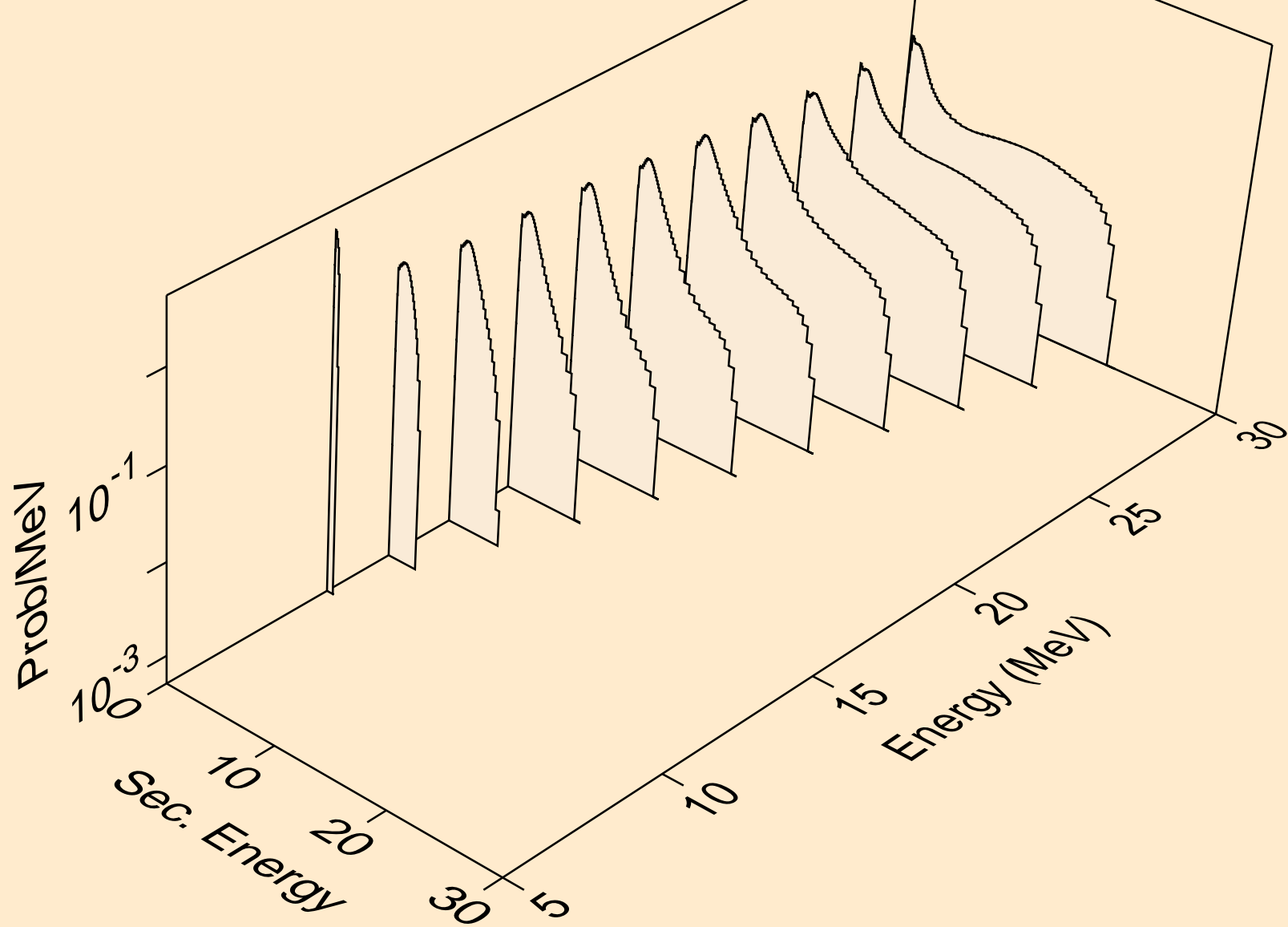
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,x)



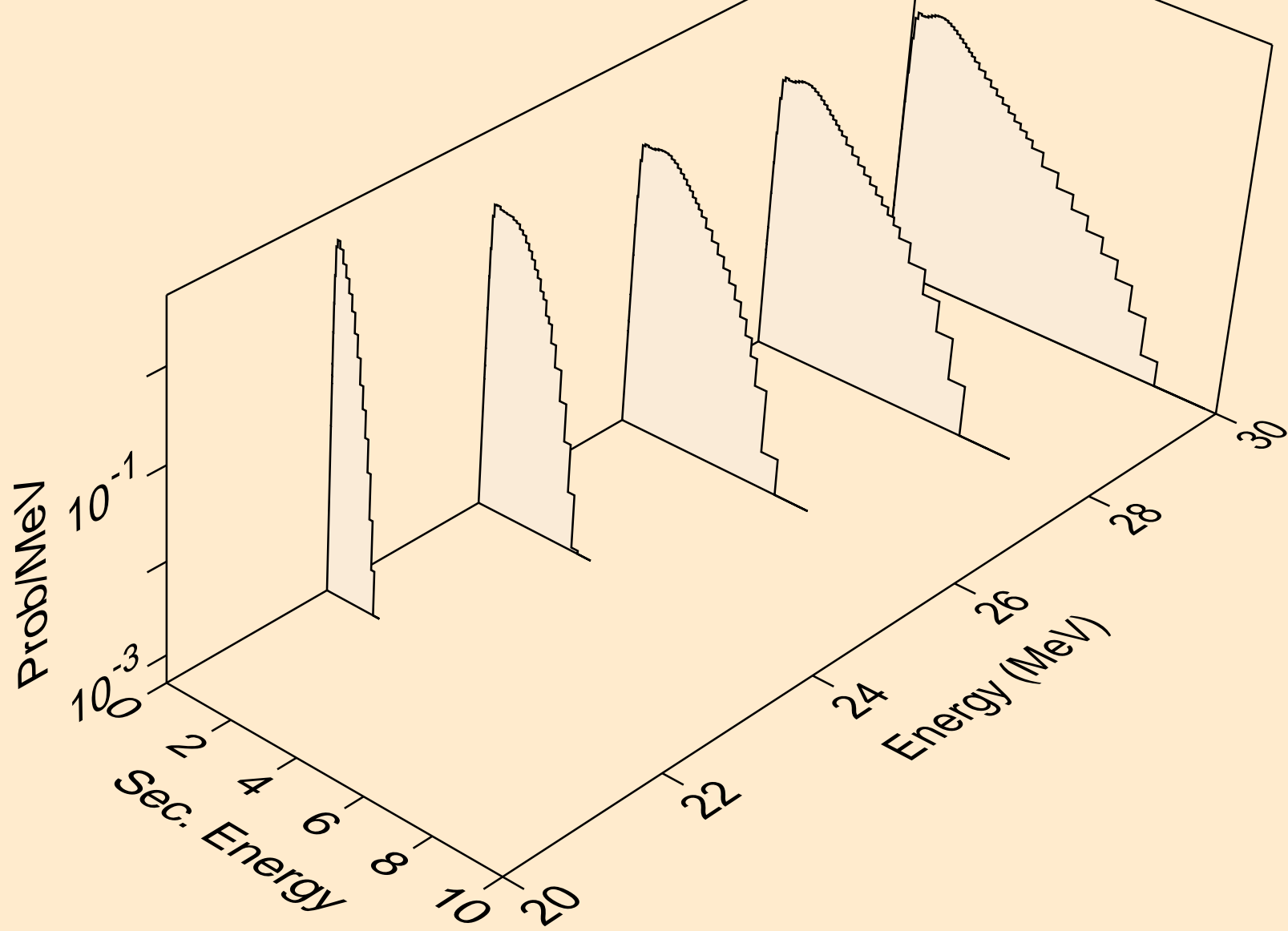
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)

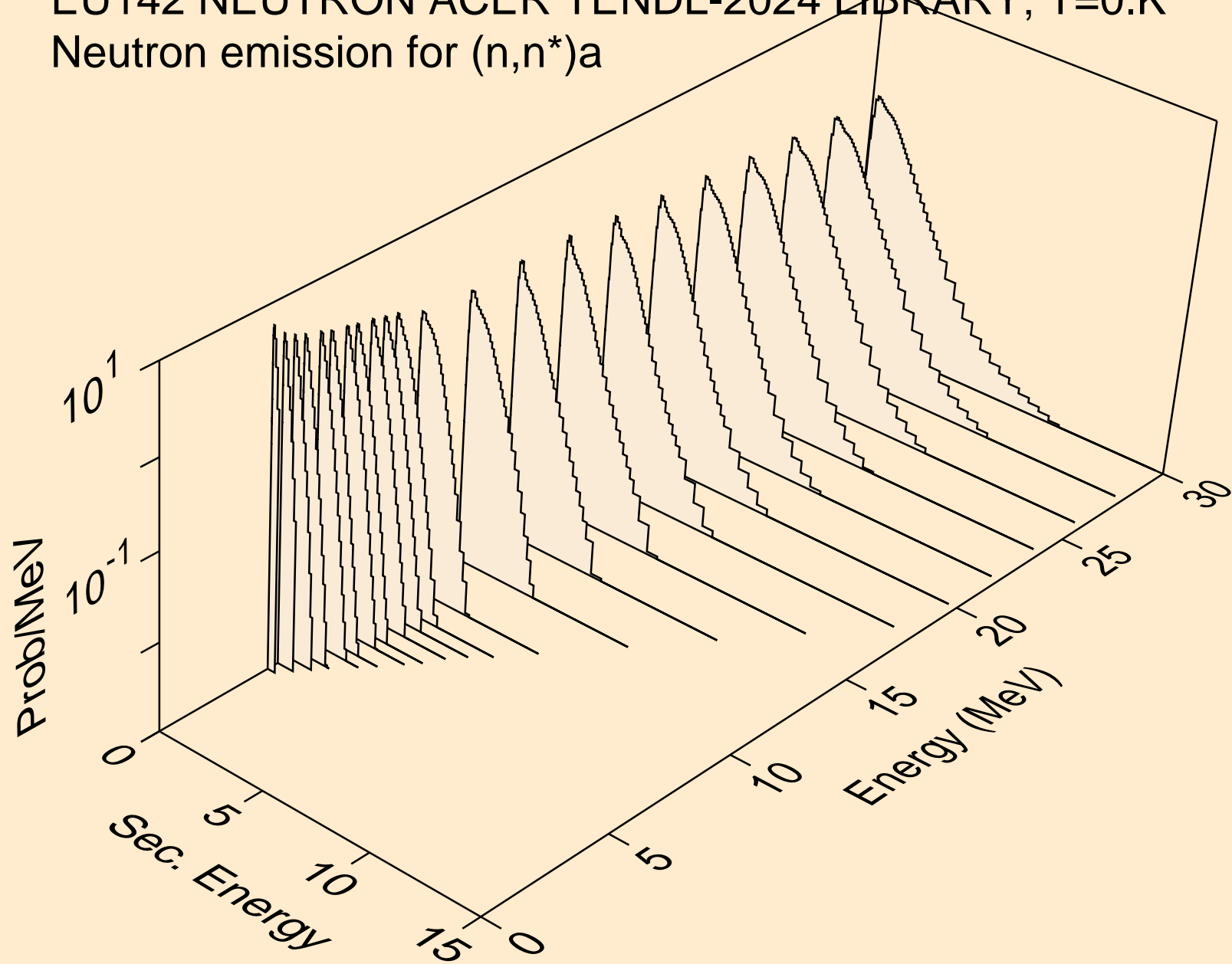


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)

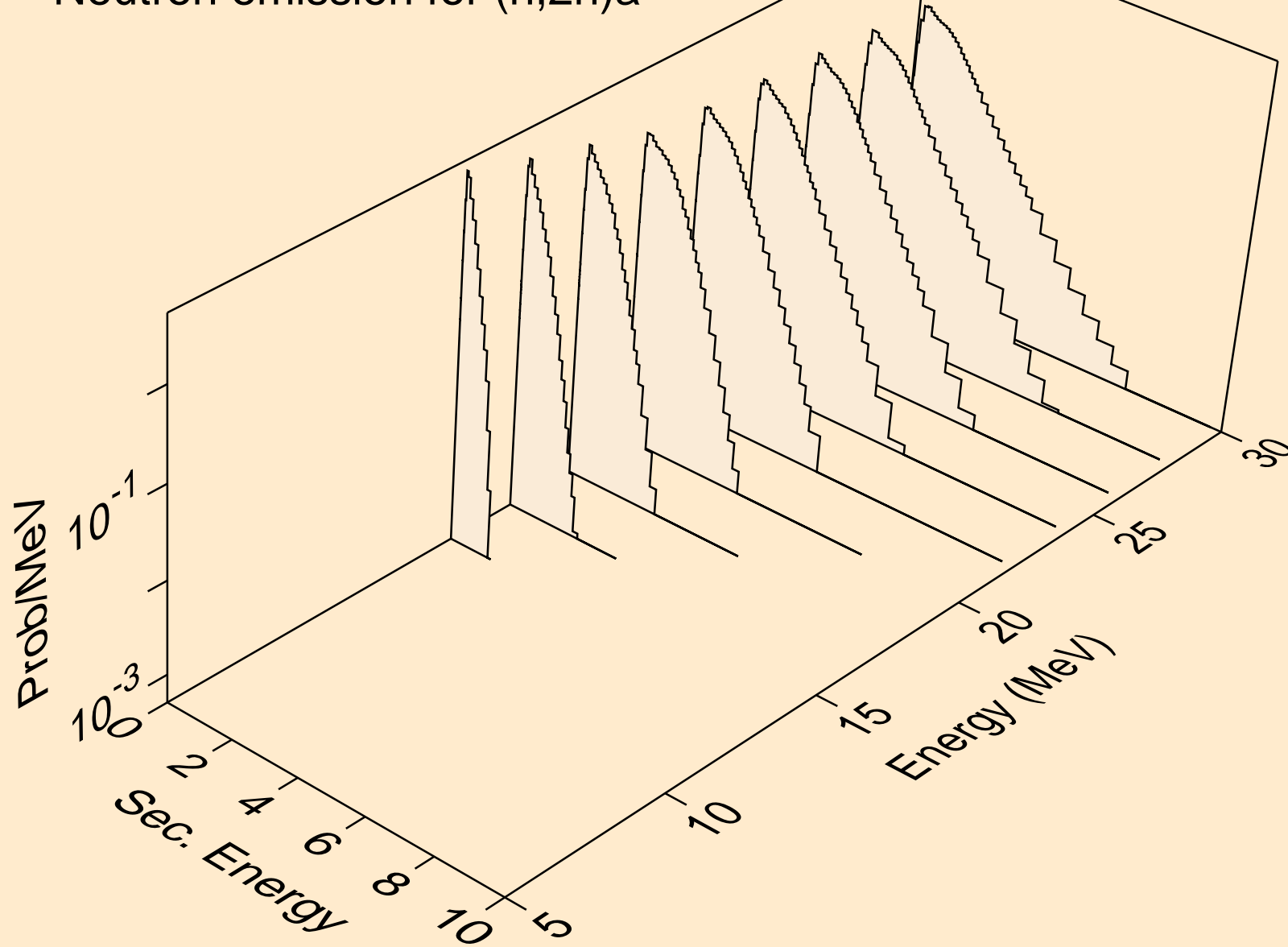




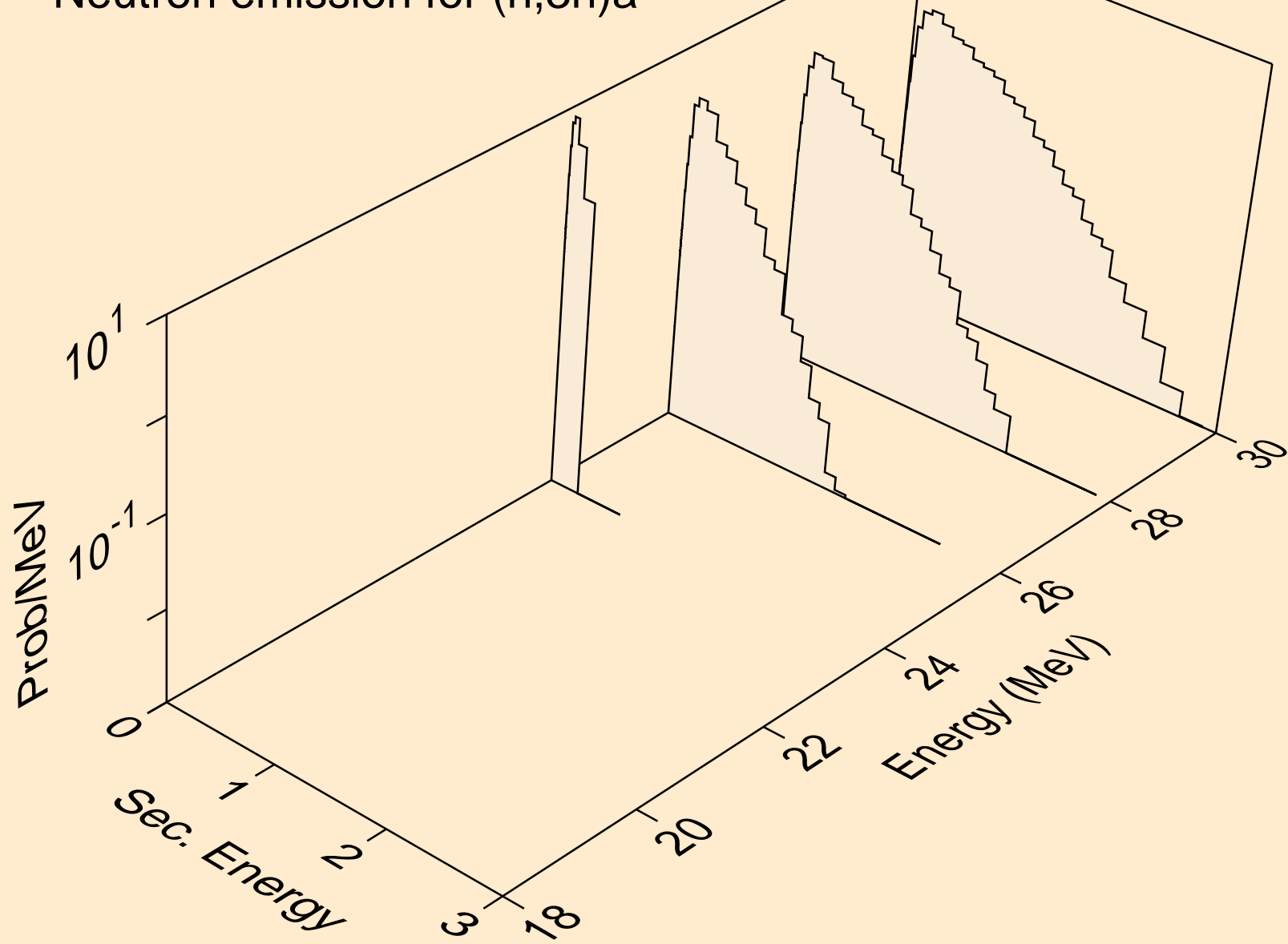
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



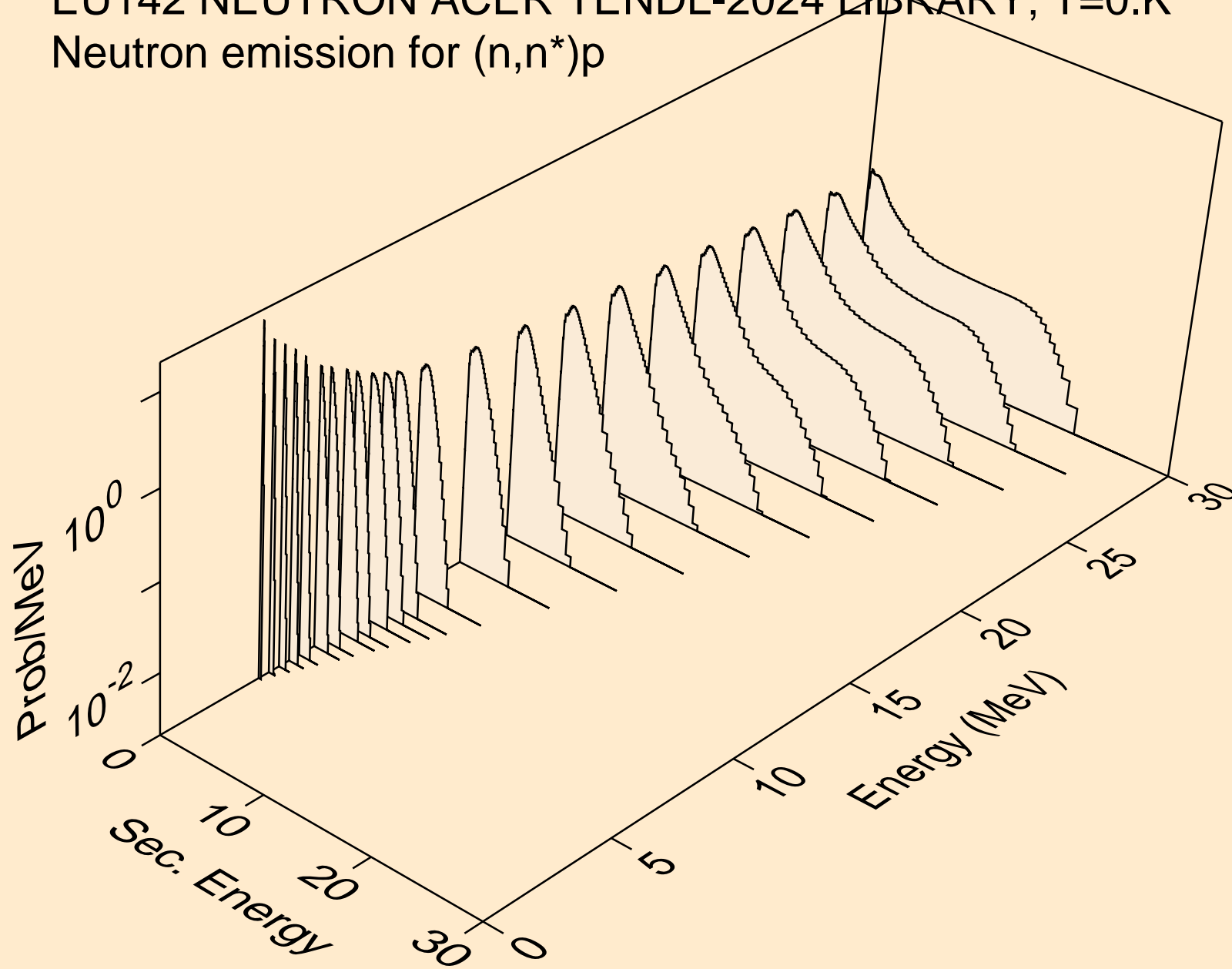
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



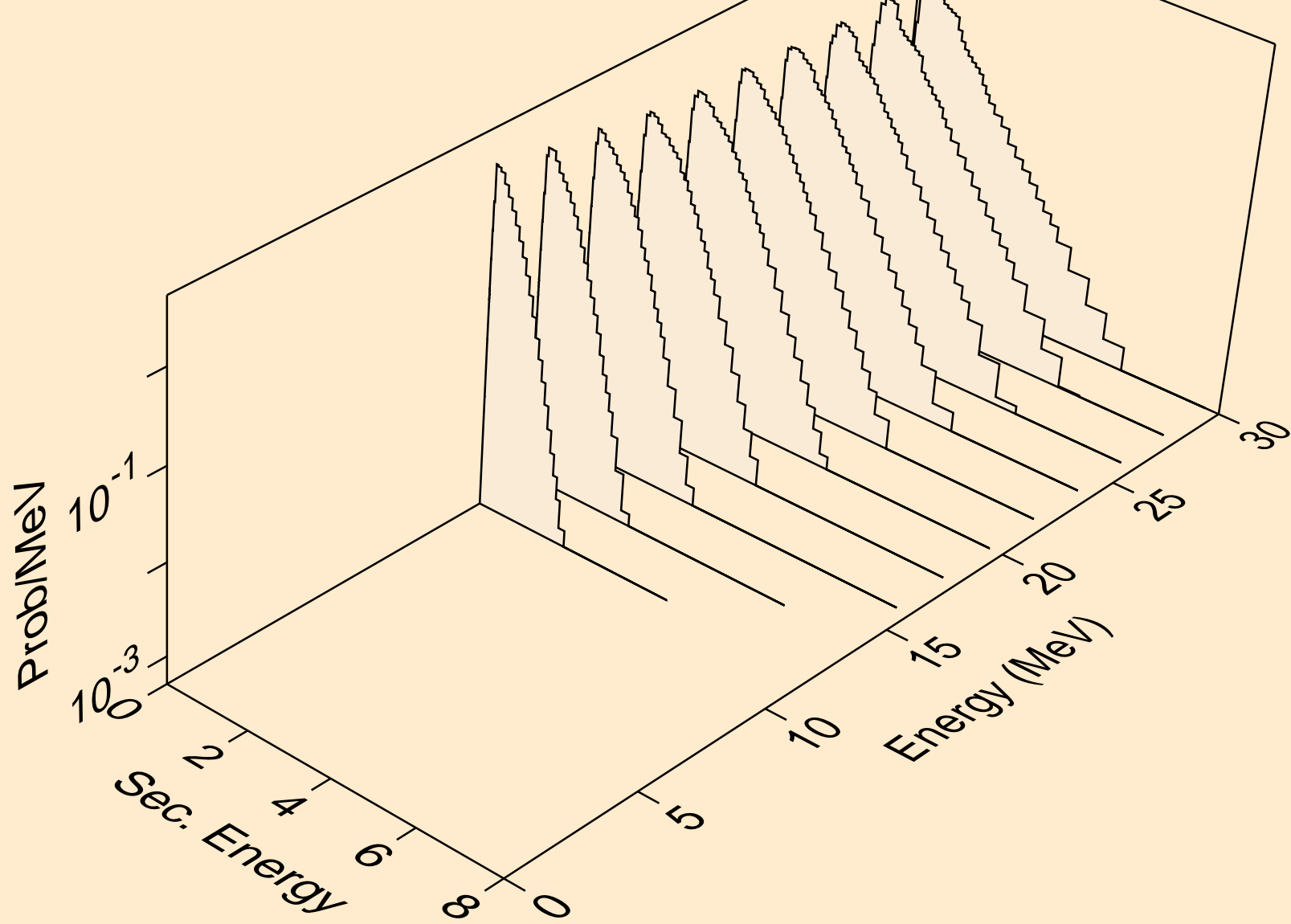
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



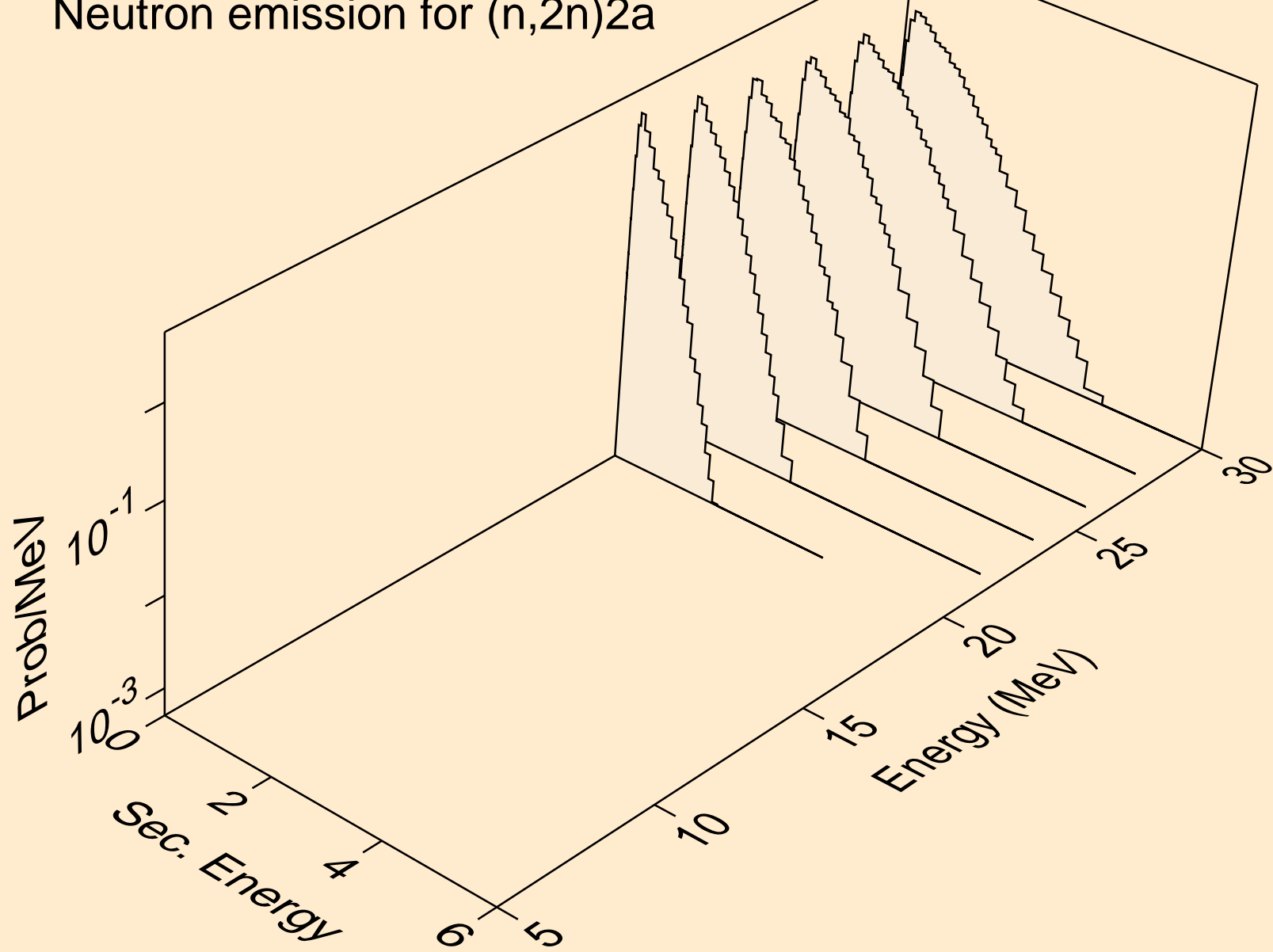
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



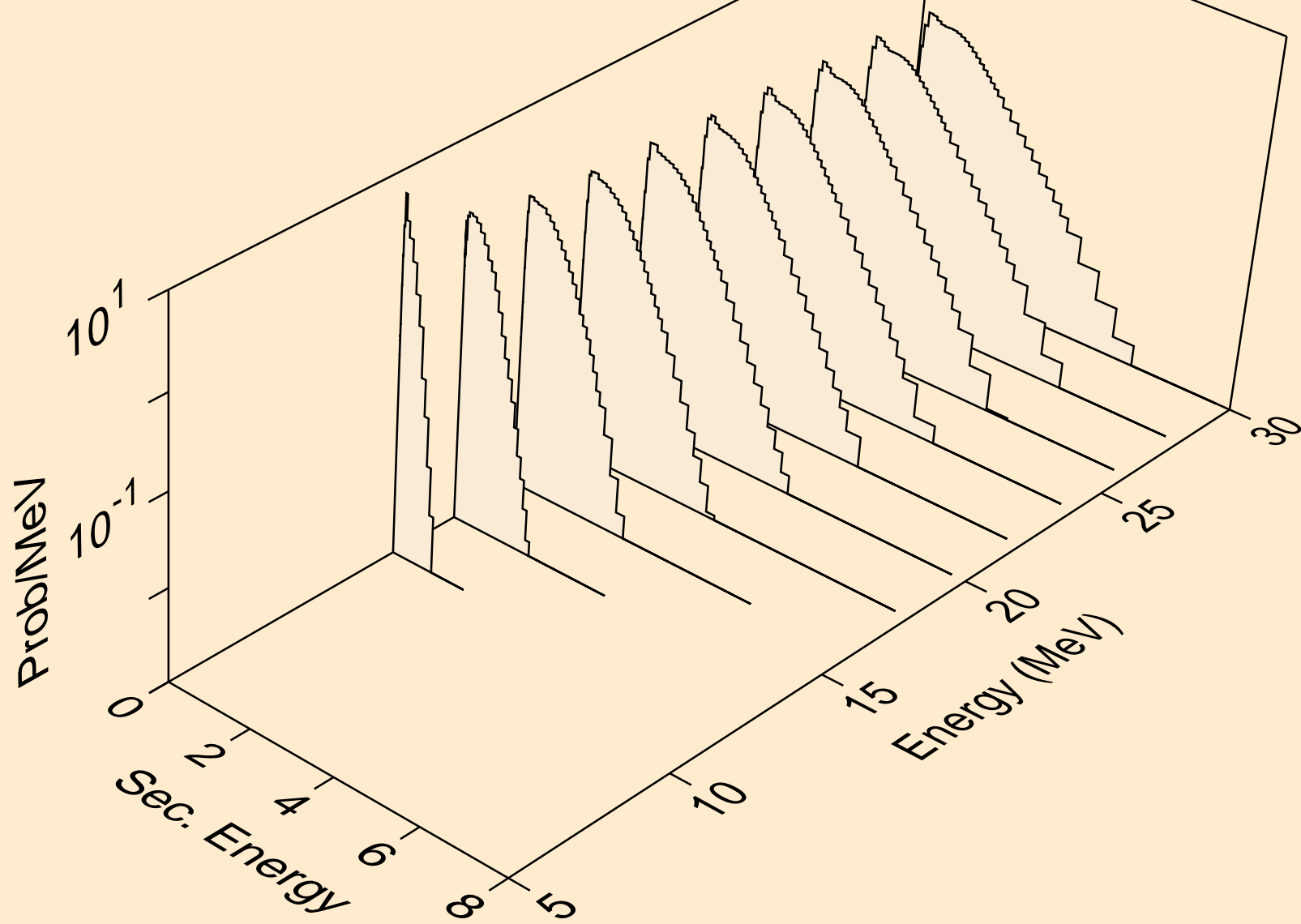
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



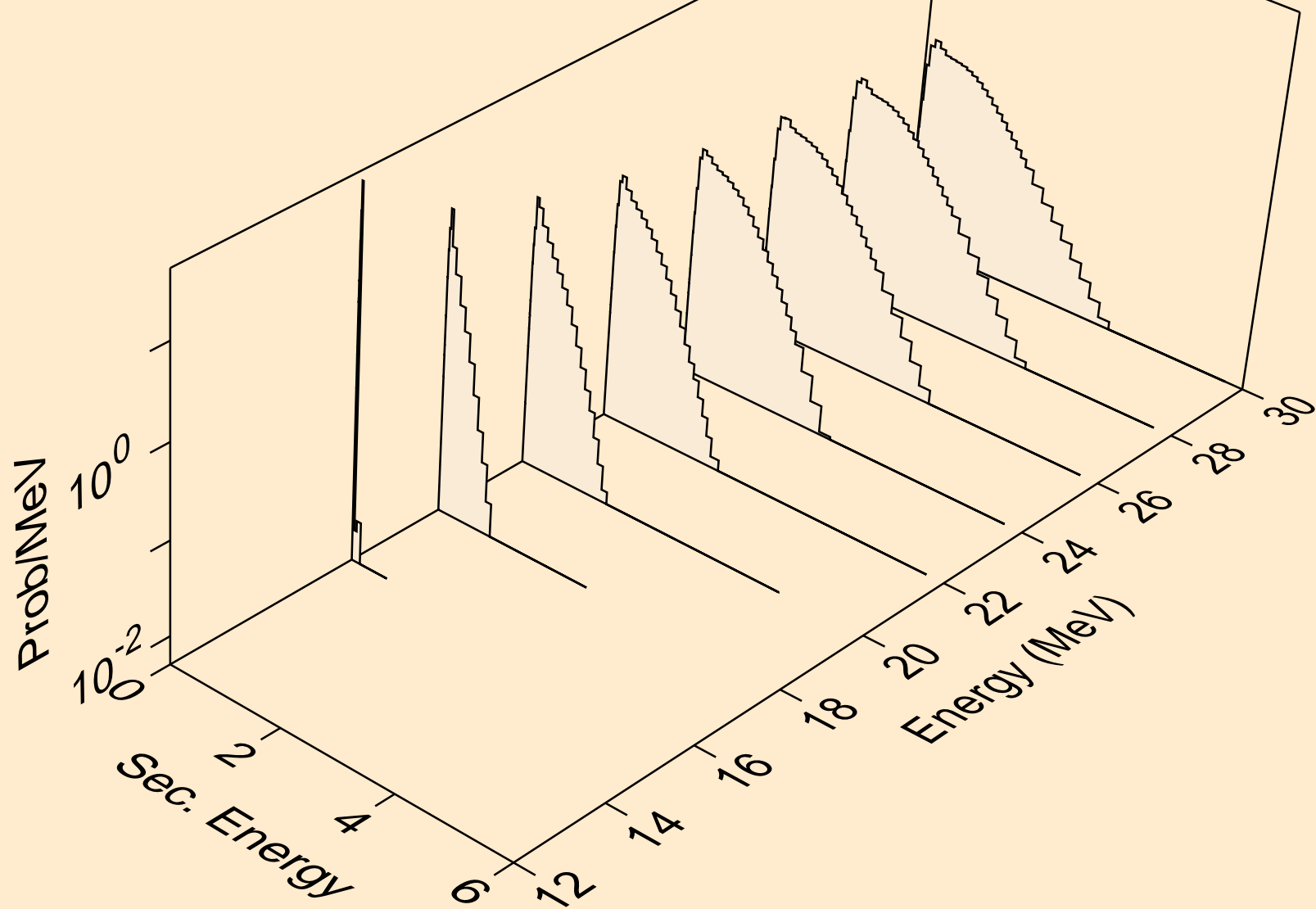
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d

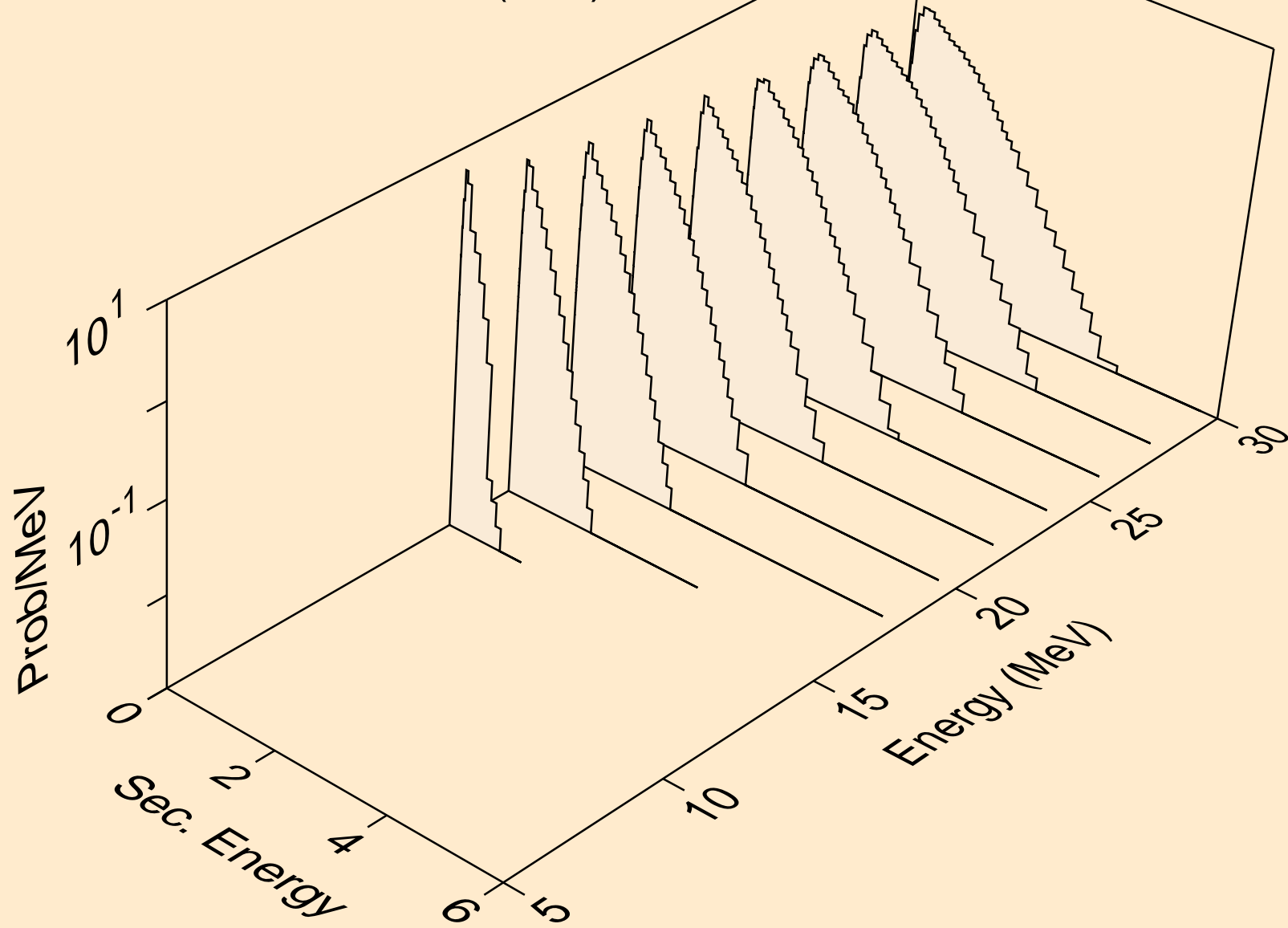


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

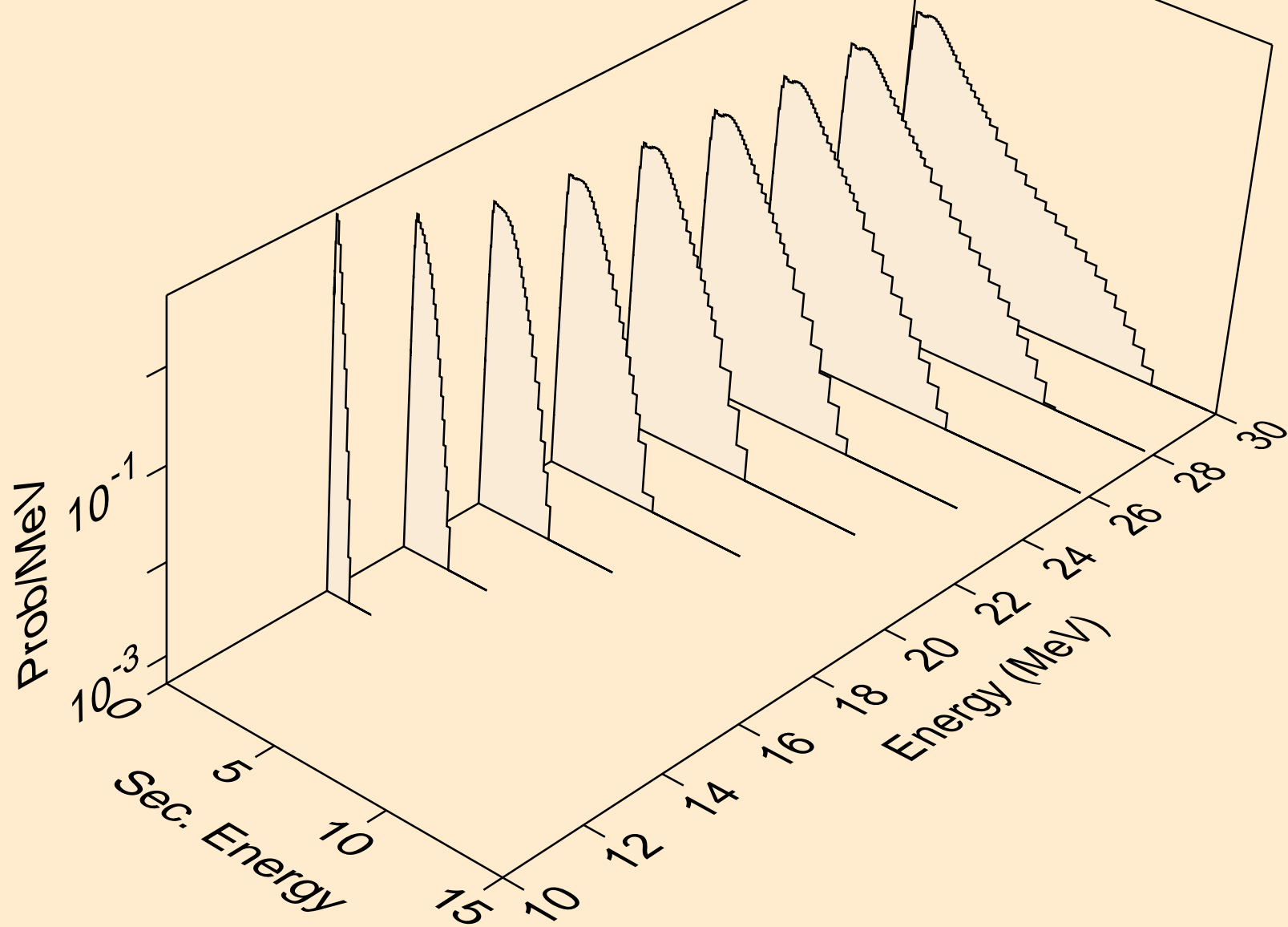




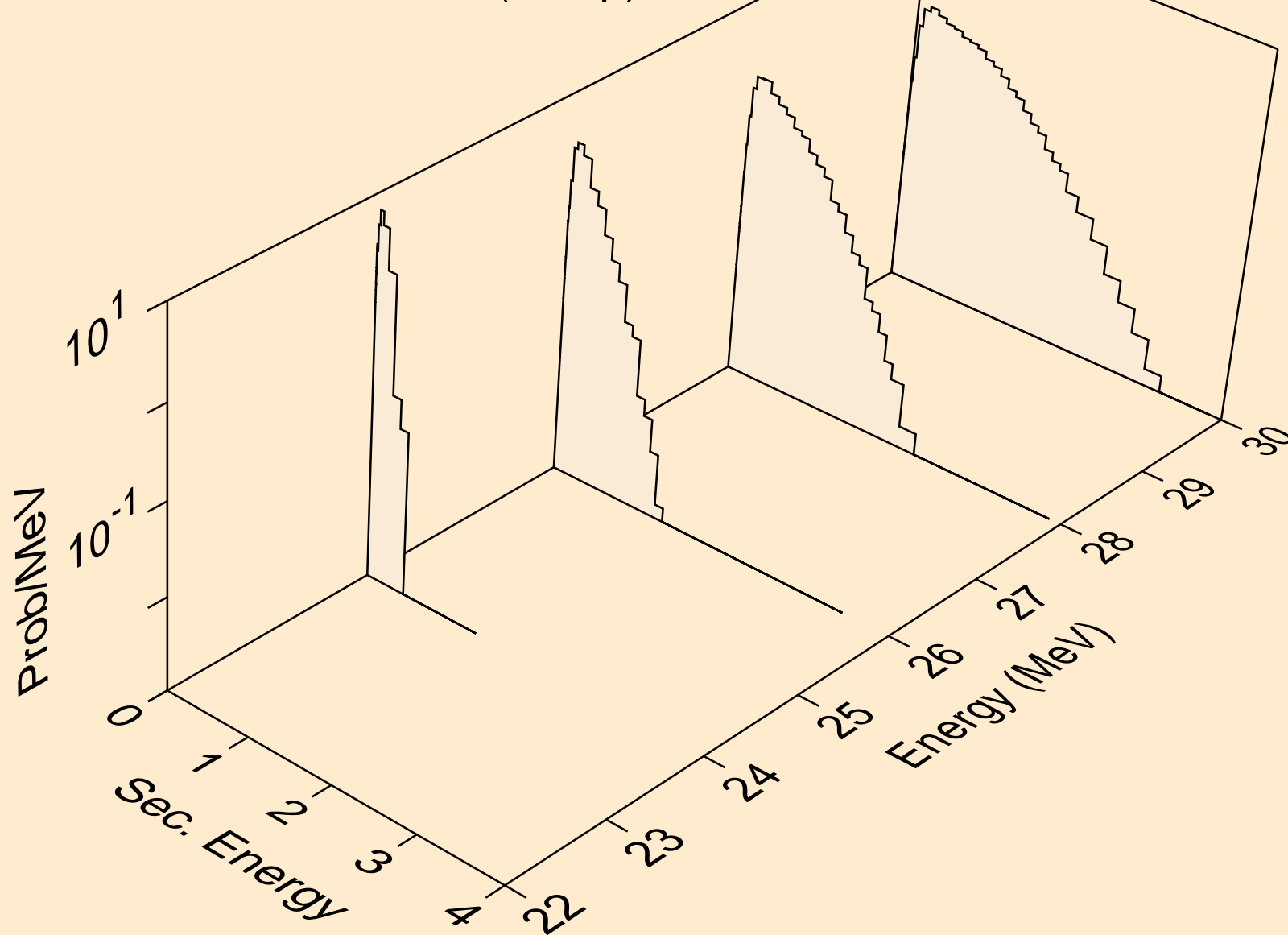
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



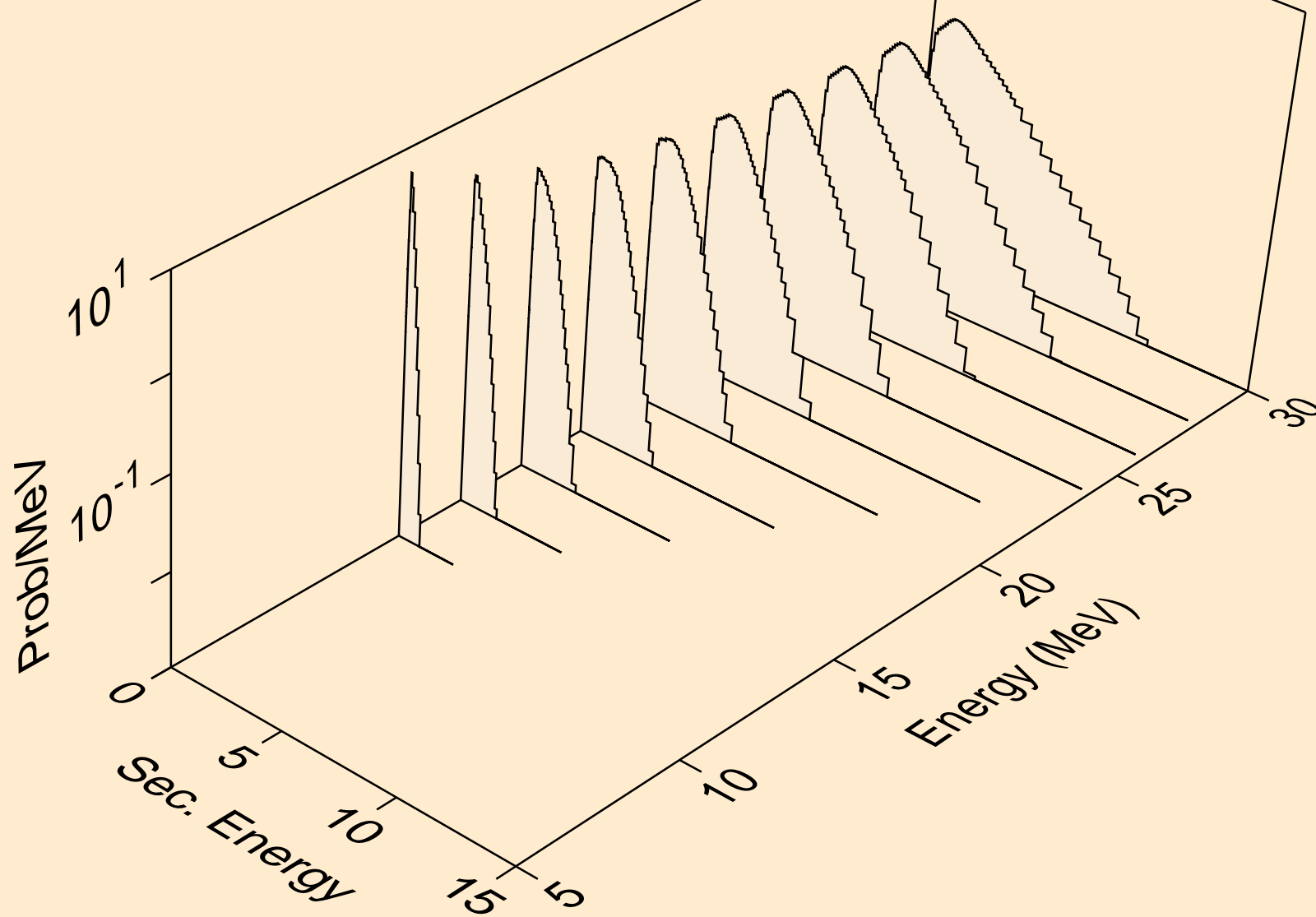
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2np)



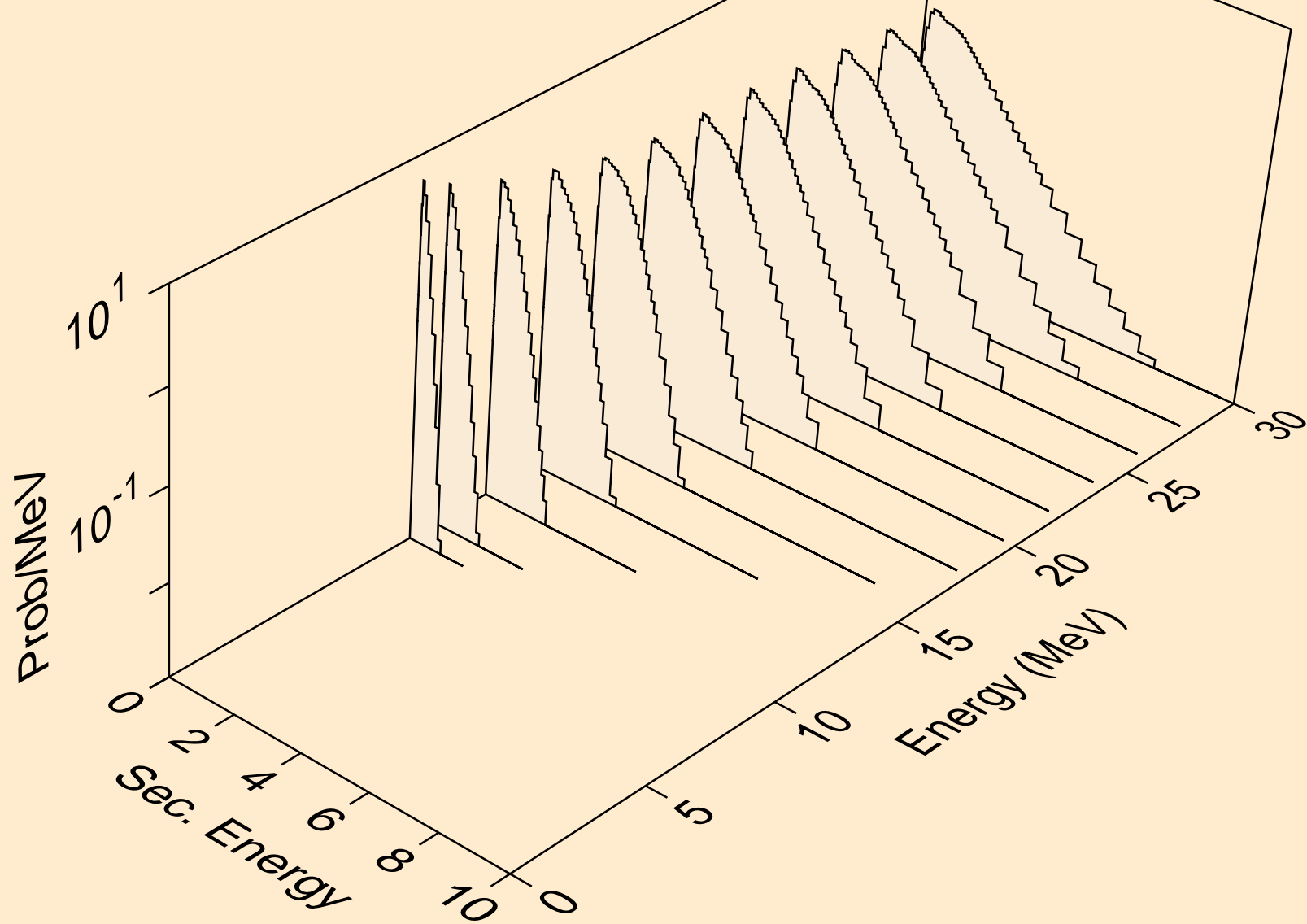
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,3np)



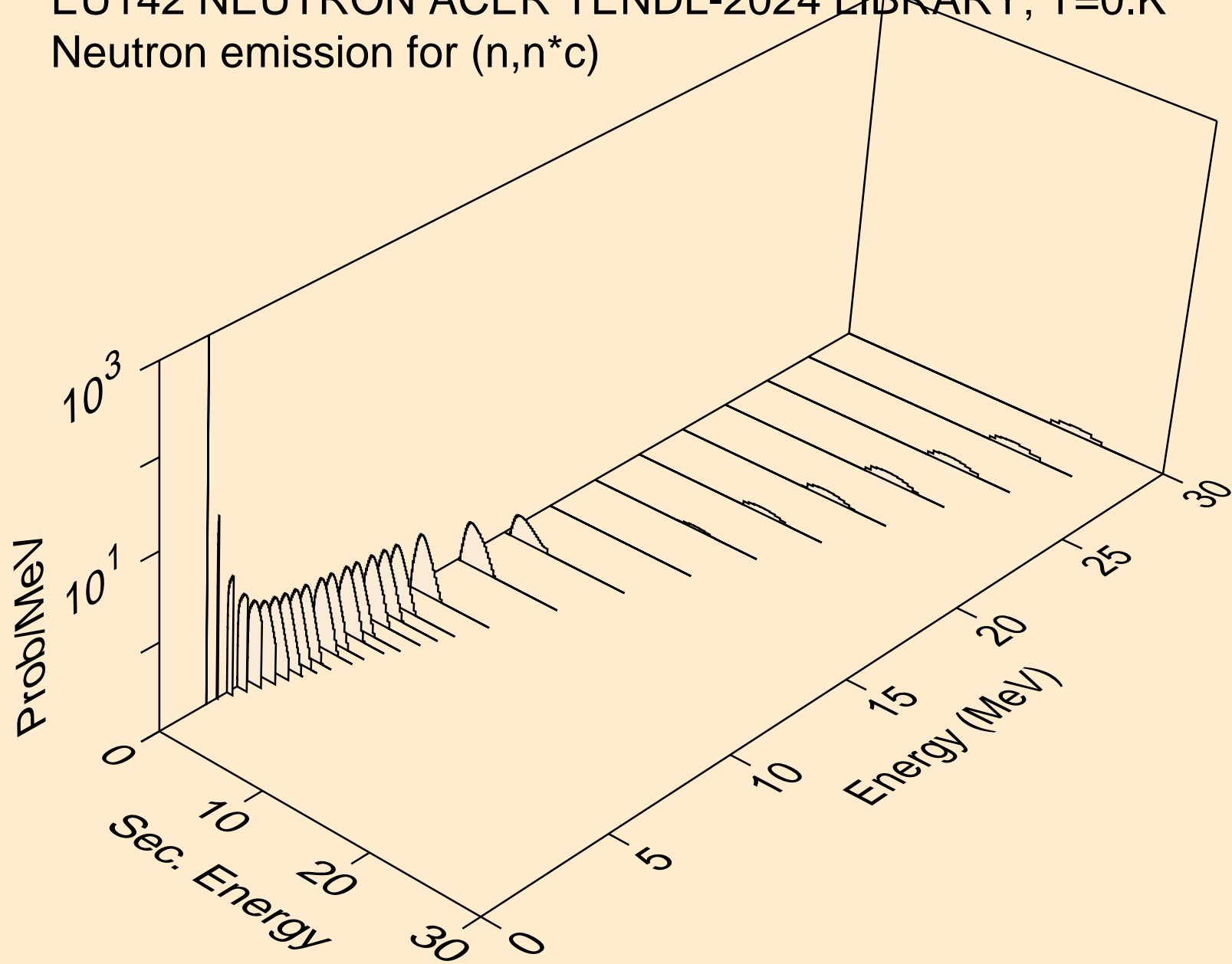
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



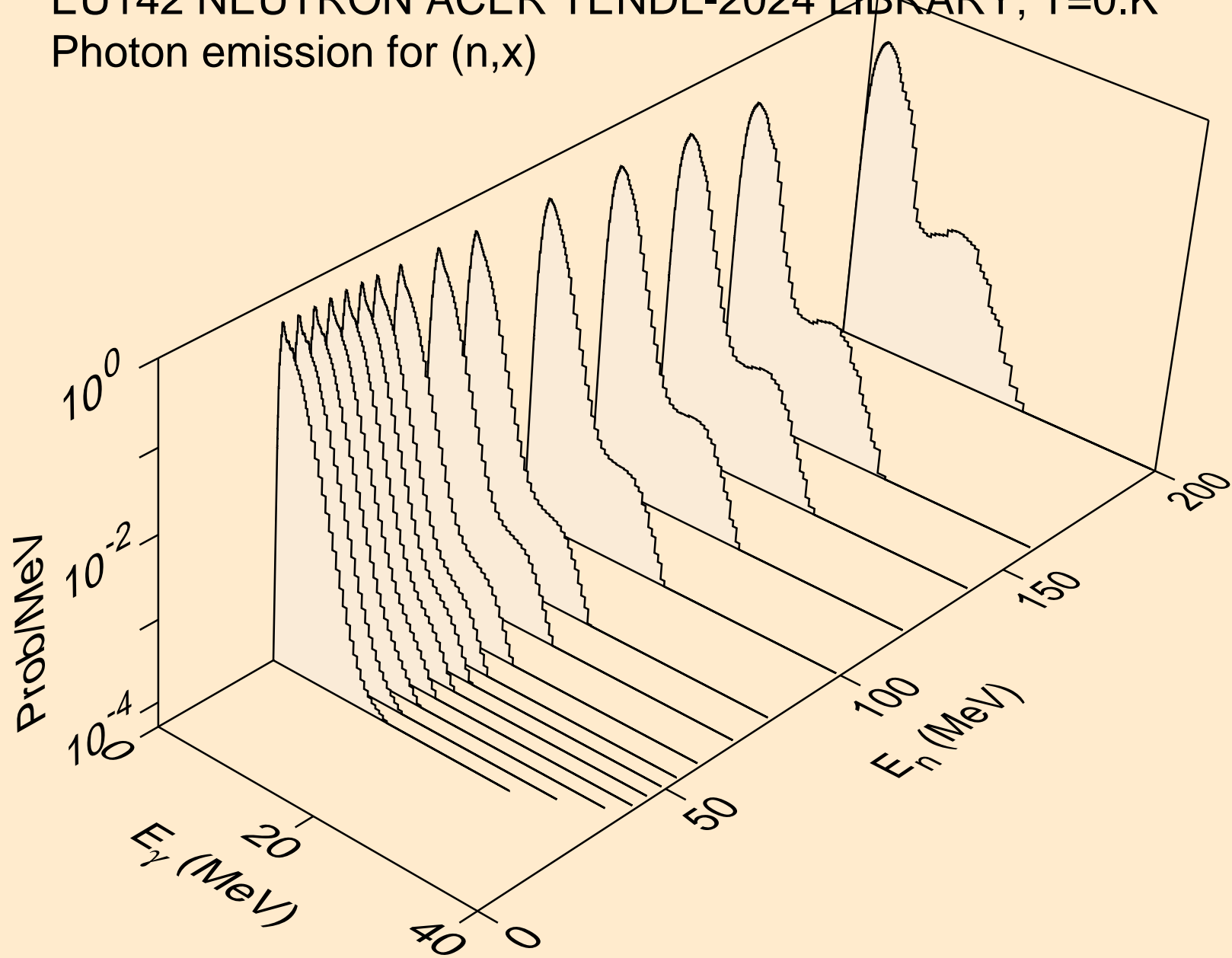
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,npa)



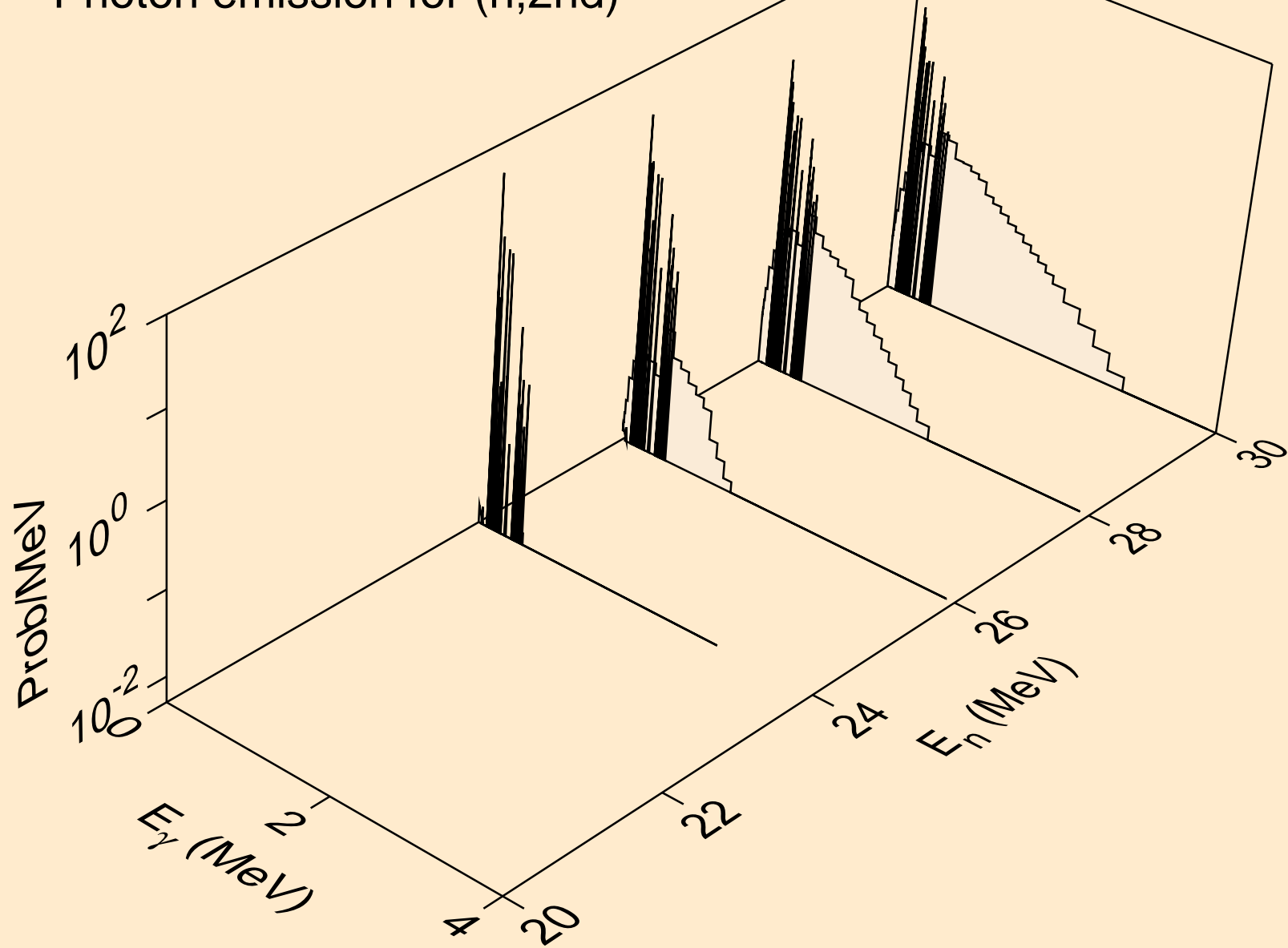
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,x)

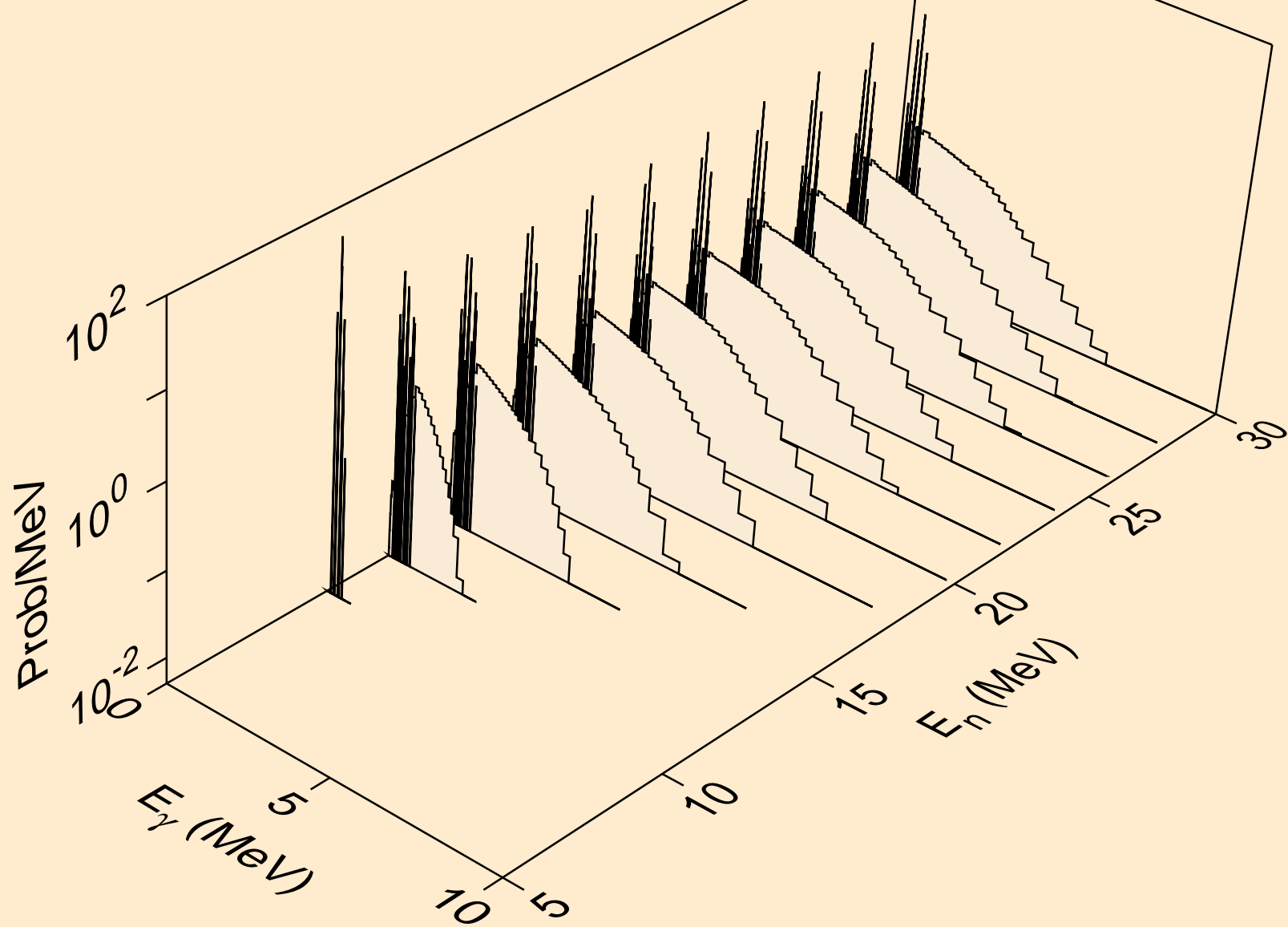


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)

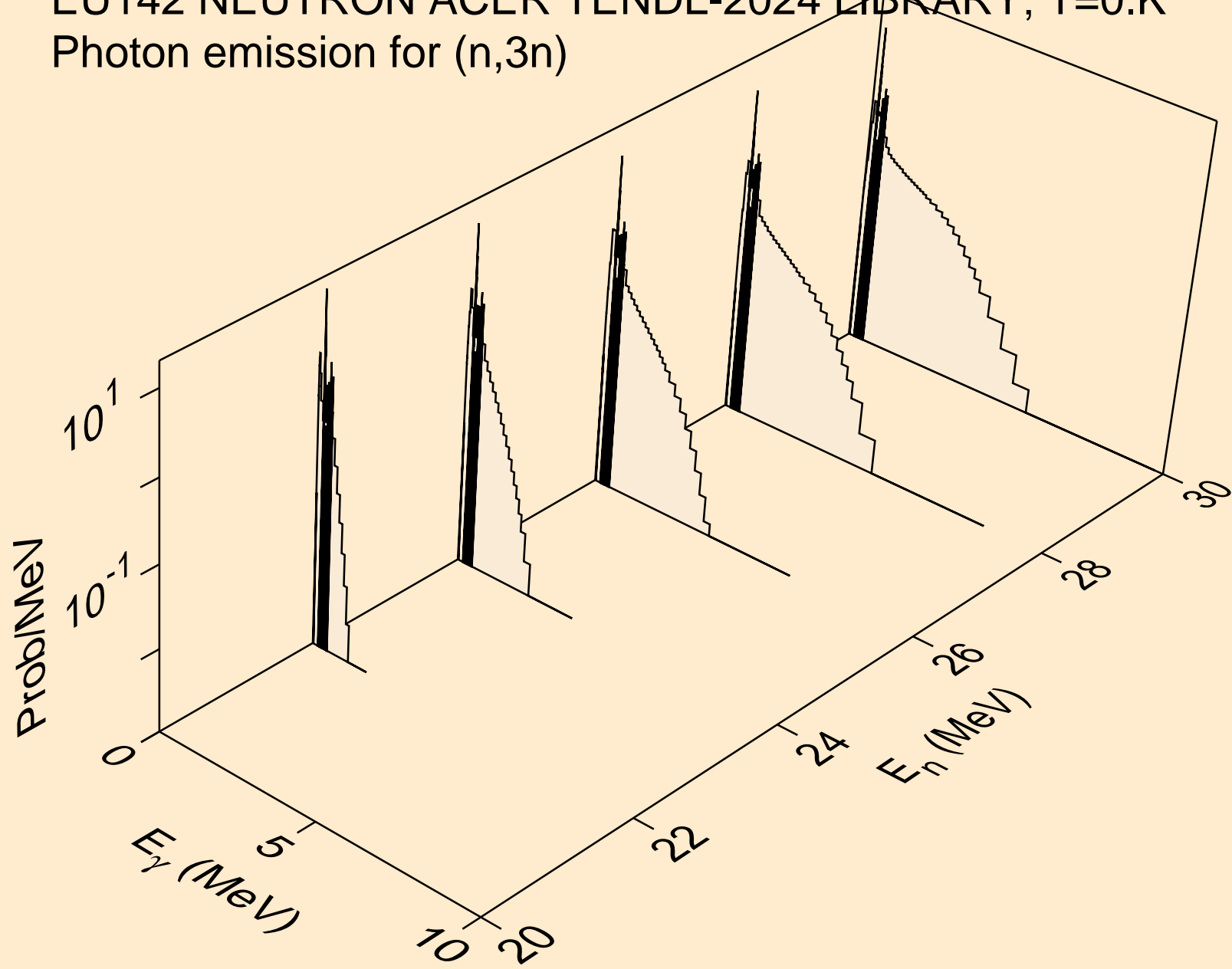




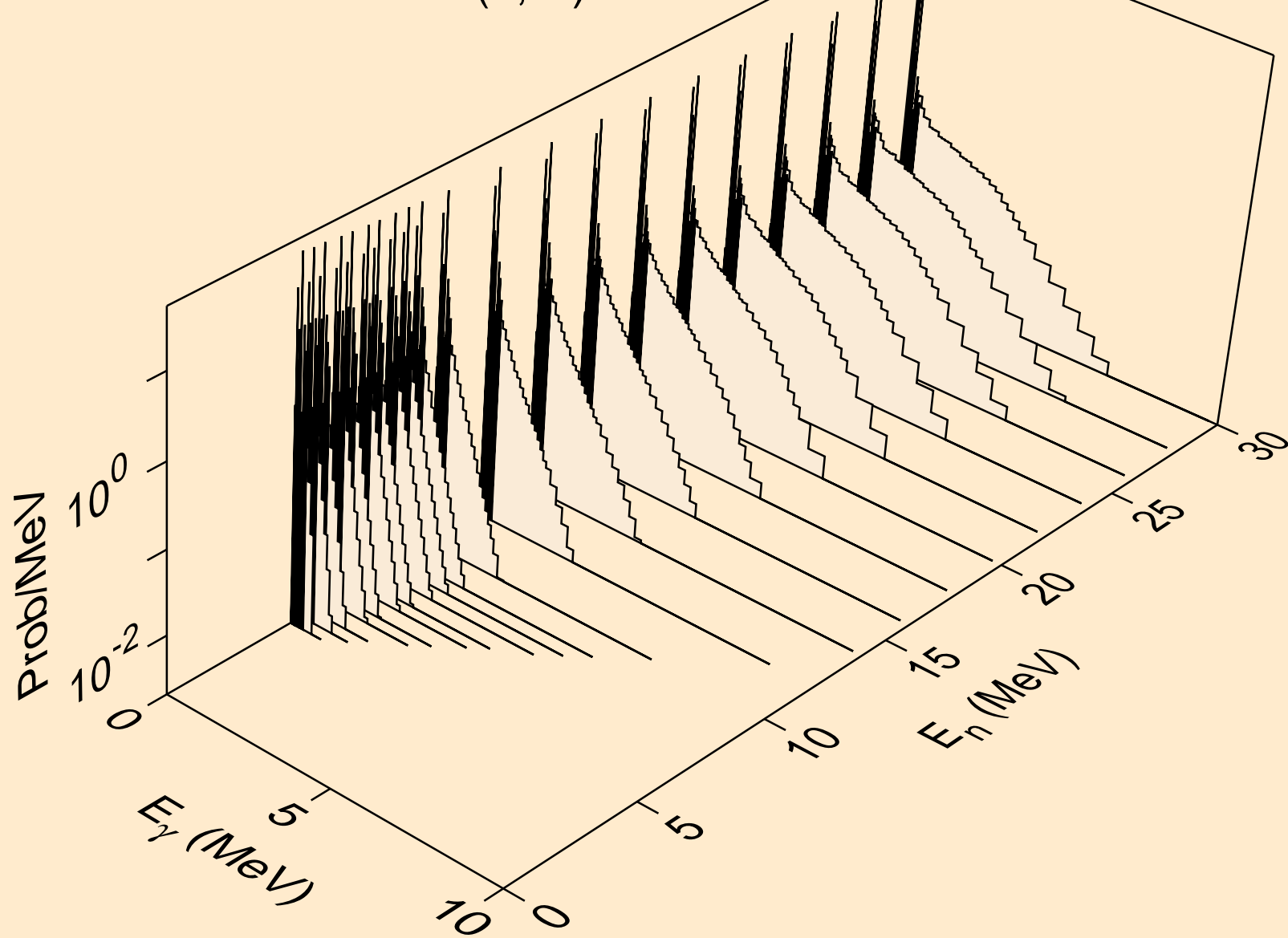
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)



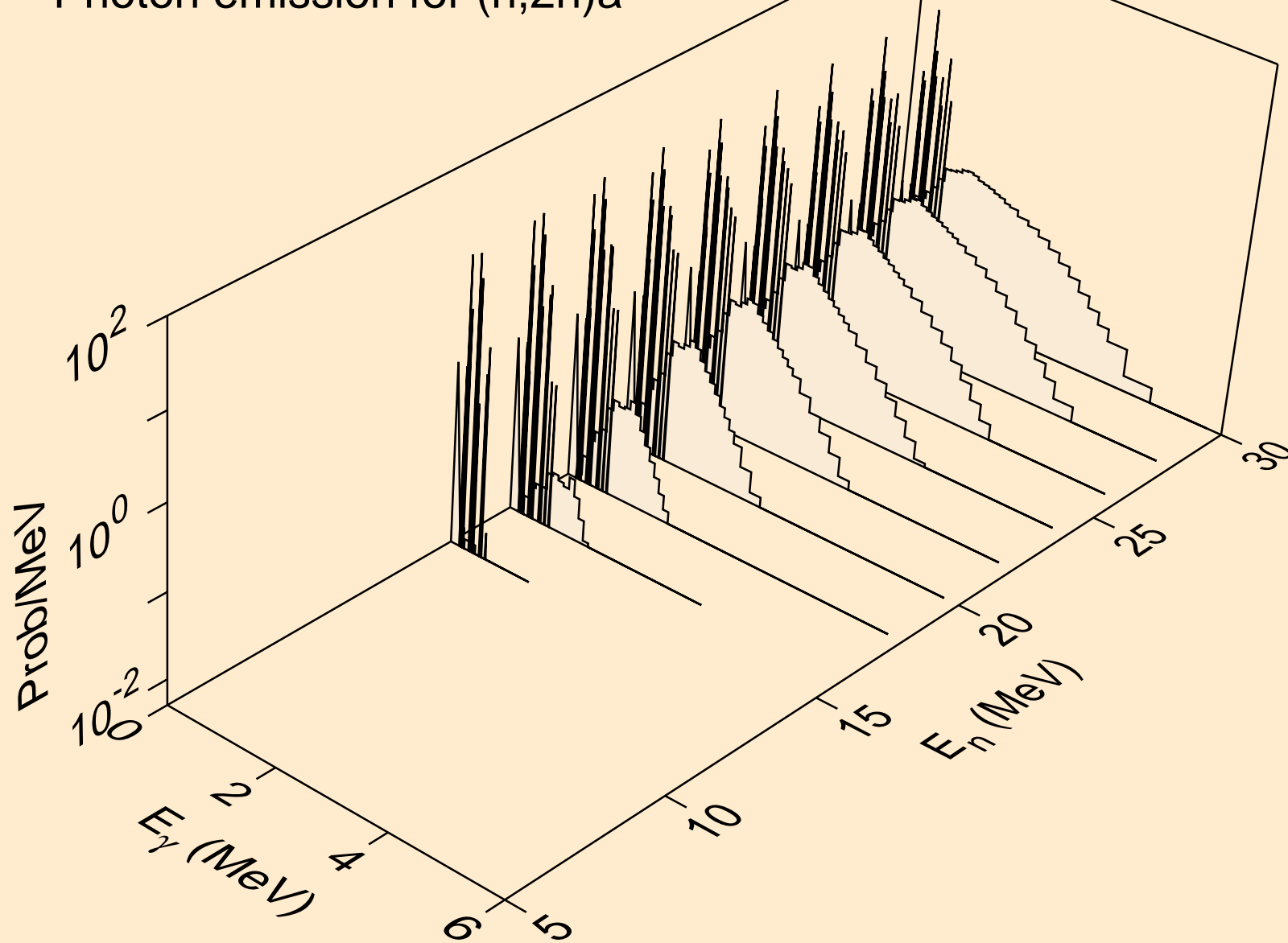
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)



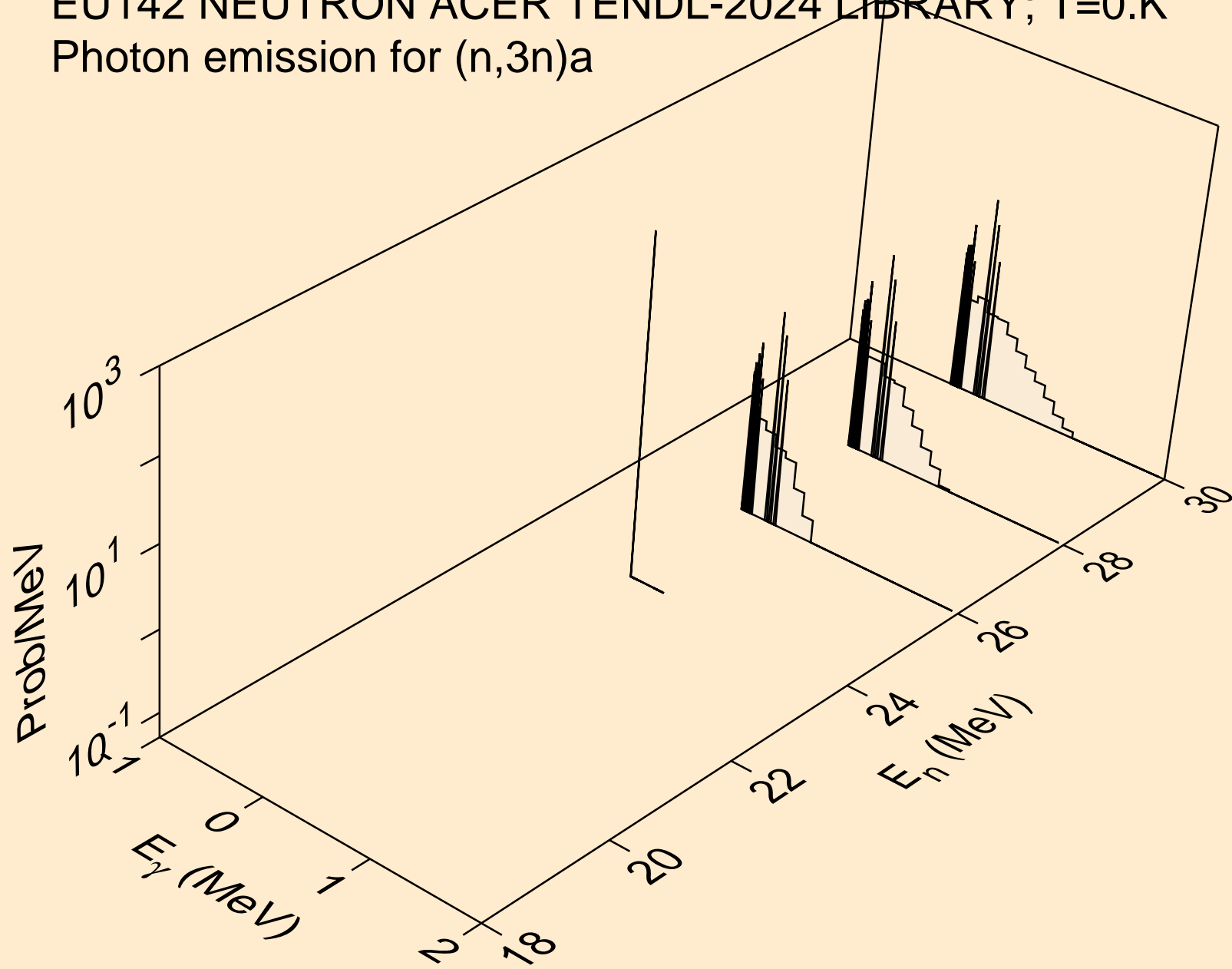
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



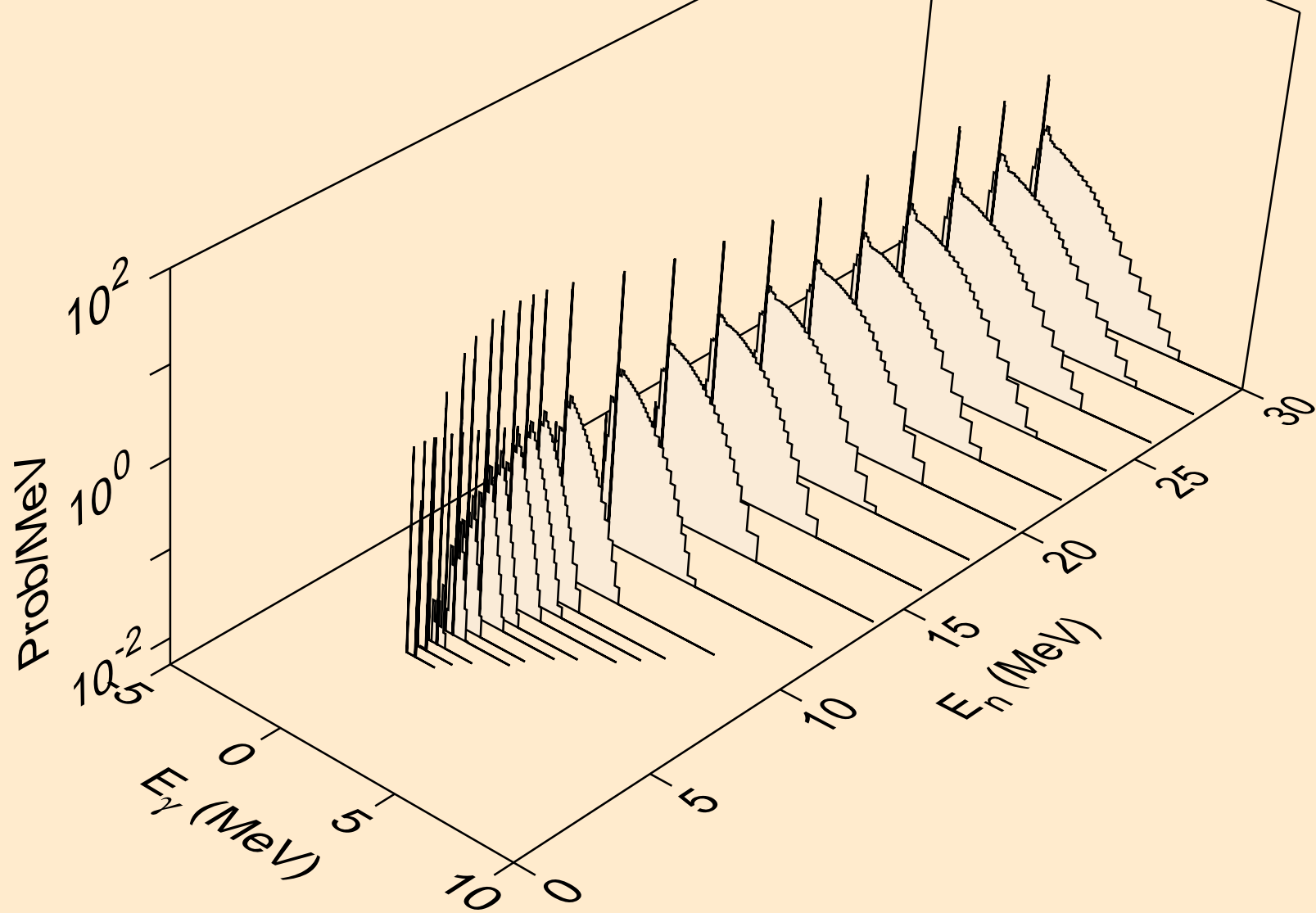
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)a



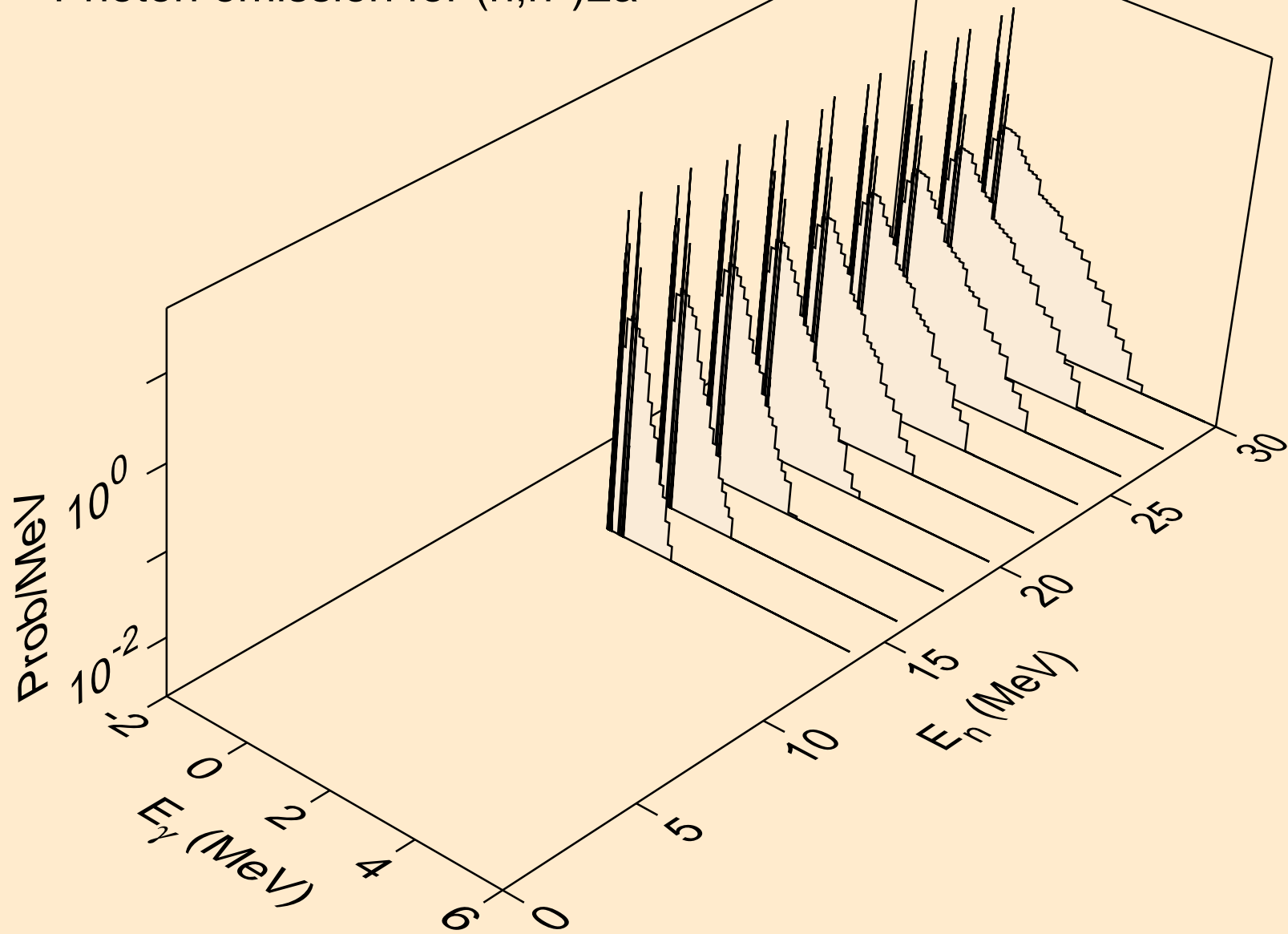
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3n)a



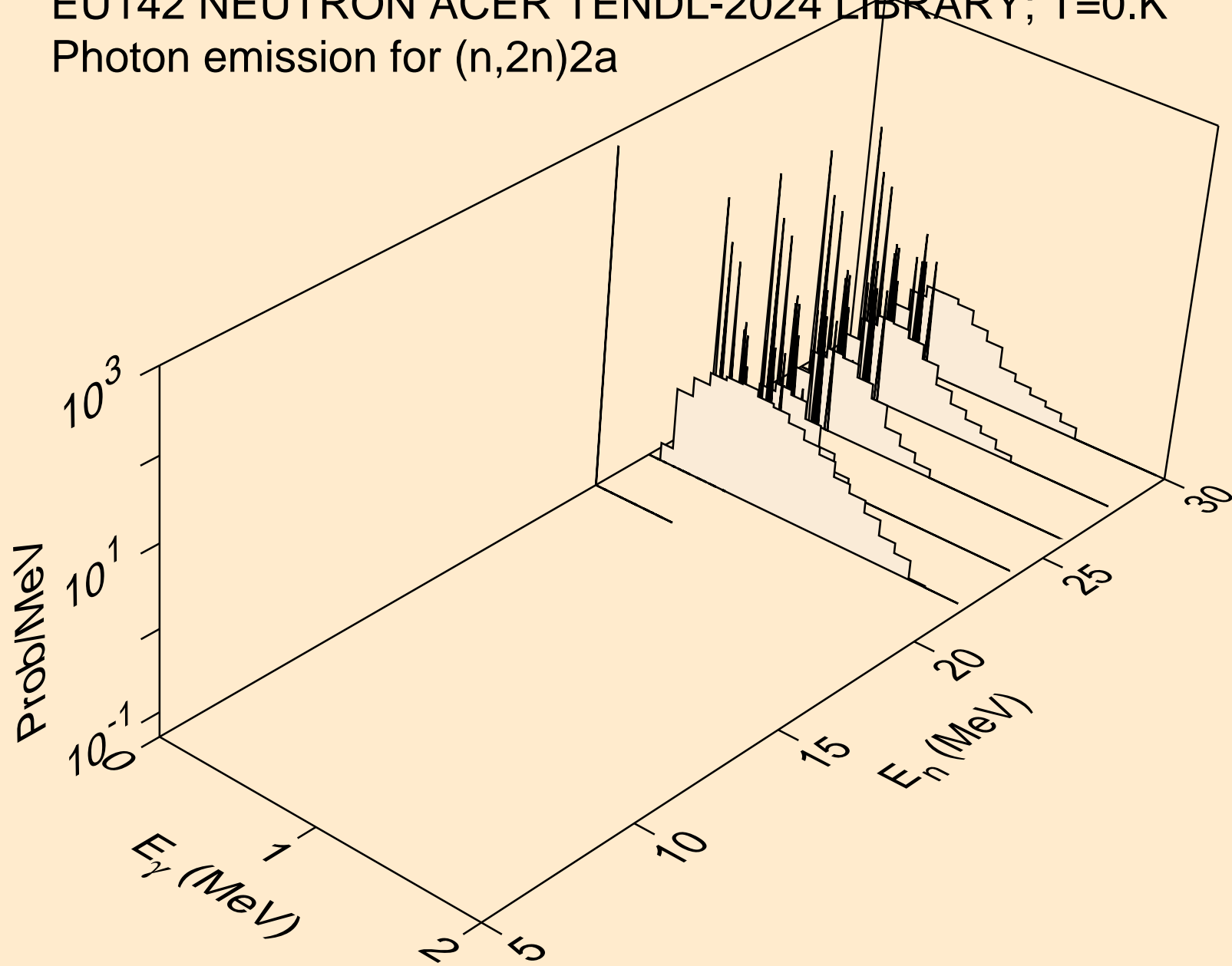
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a

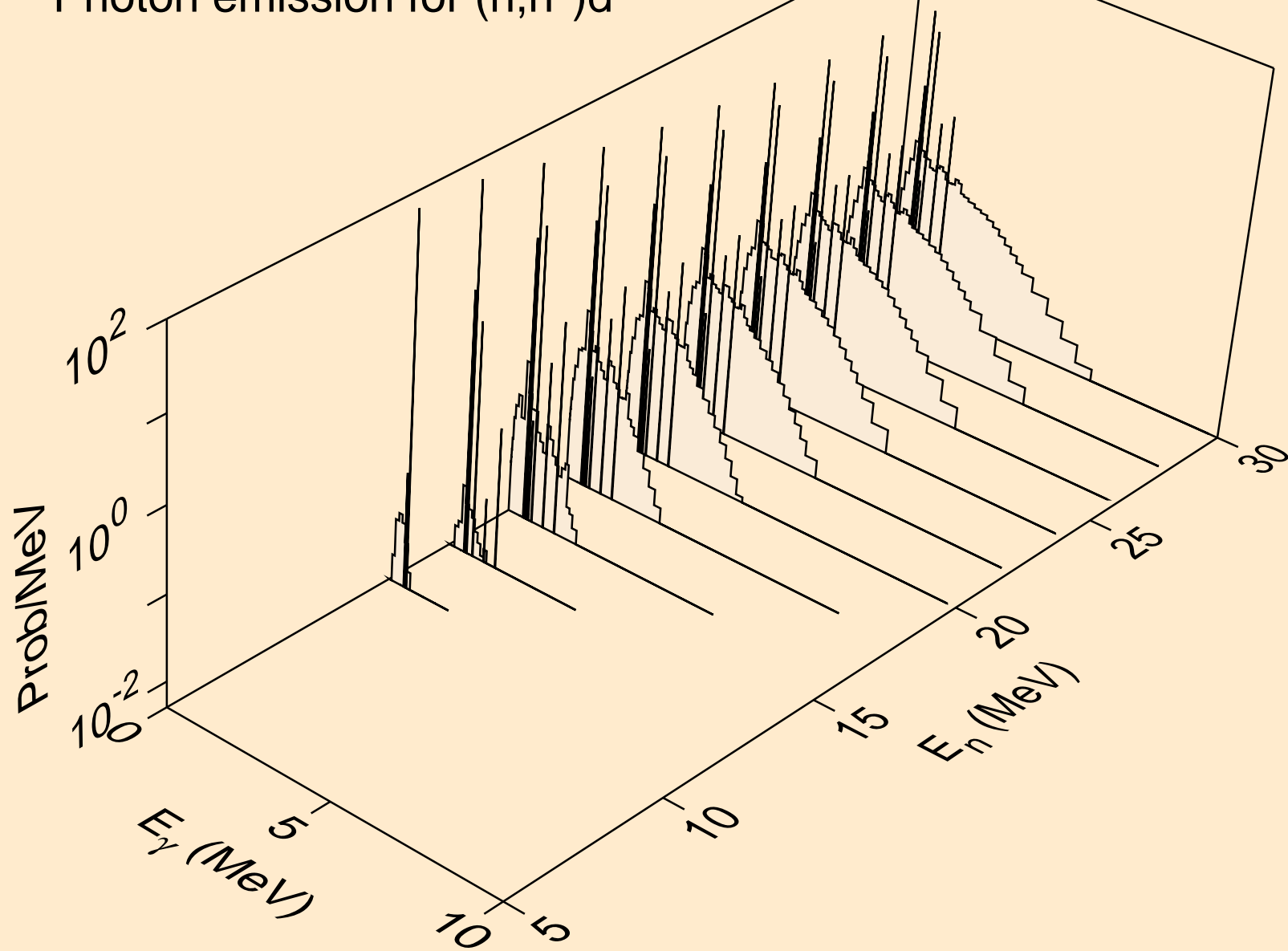


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

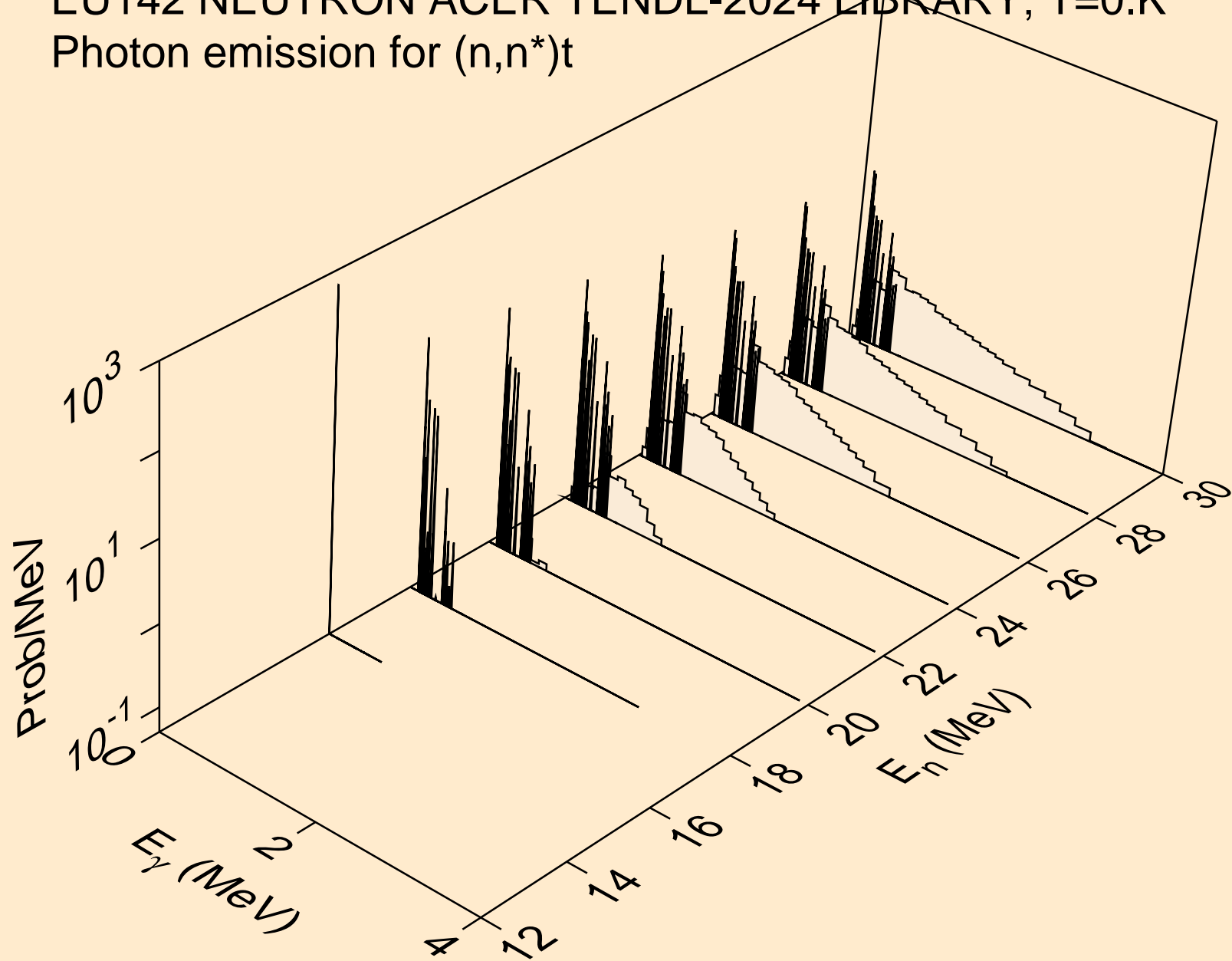




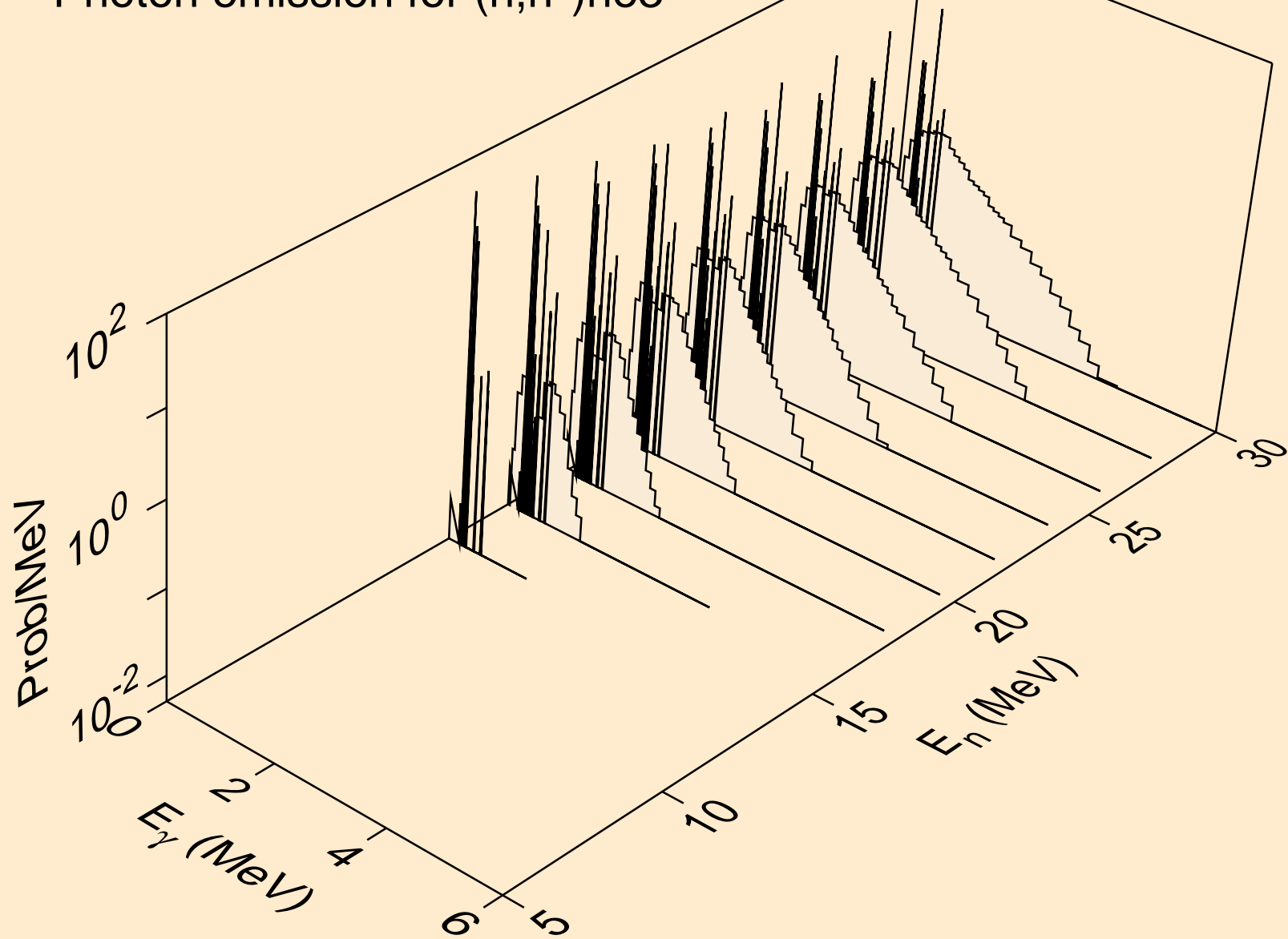
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



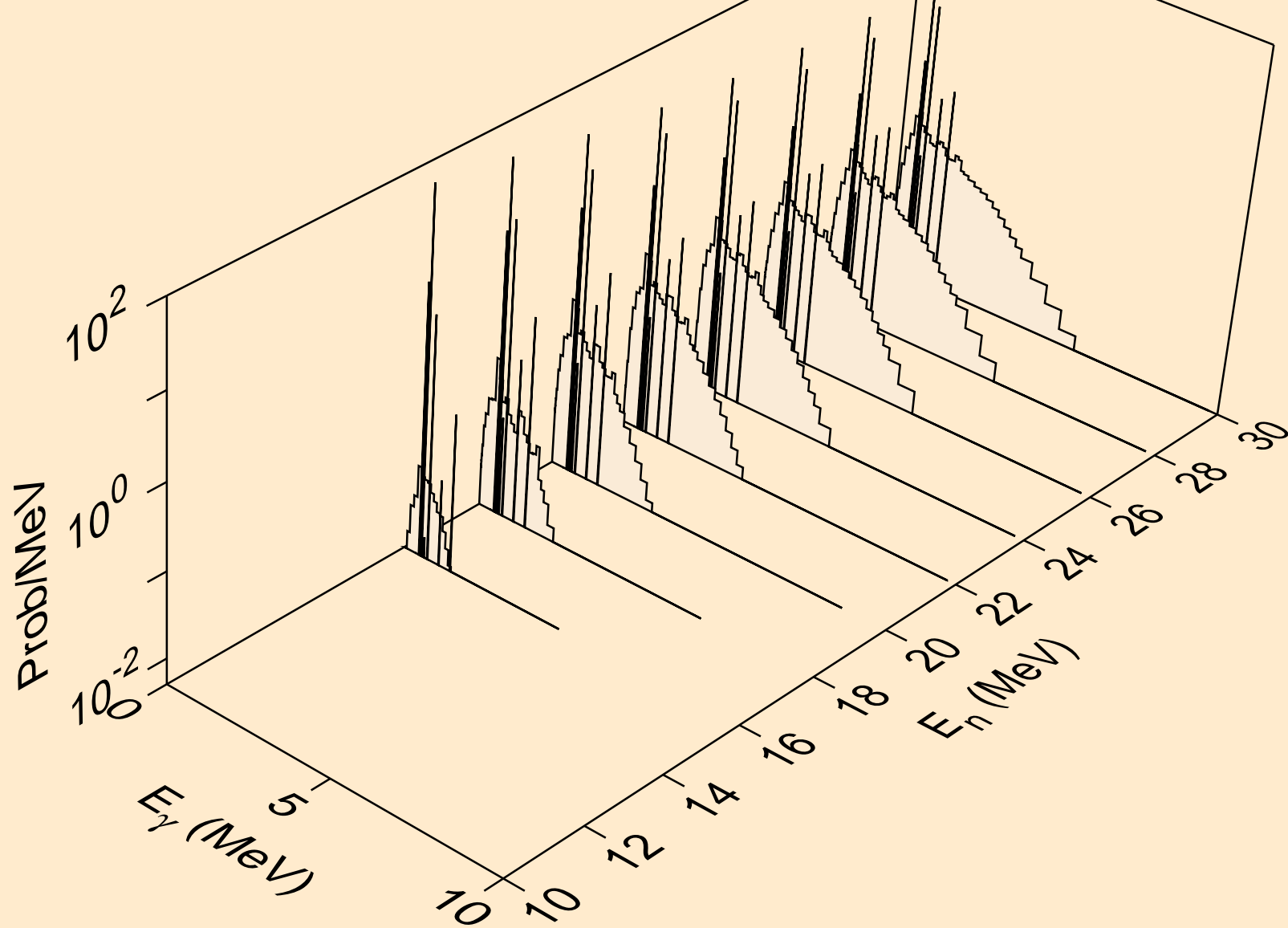
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



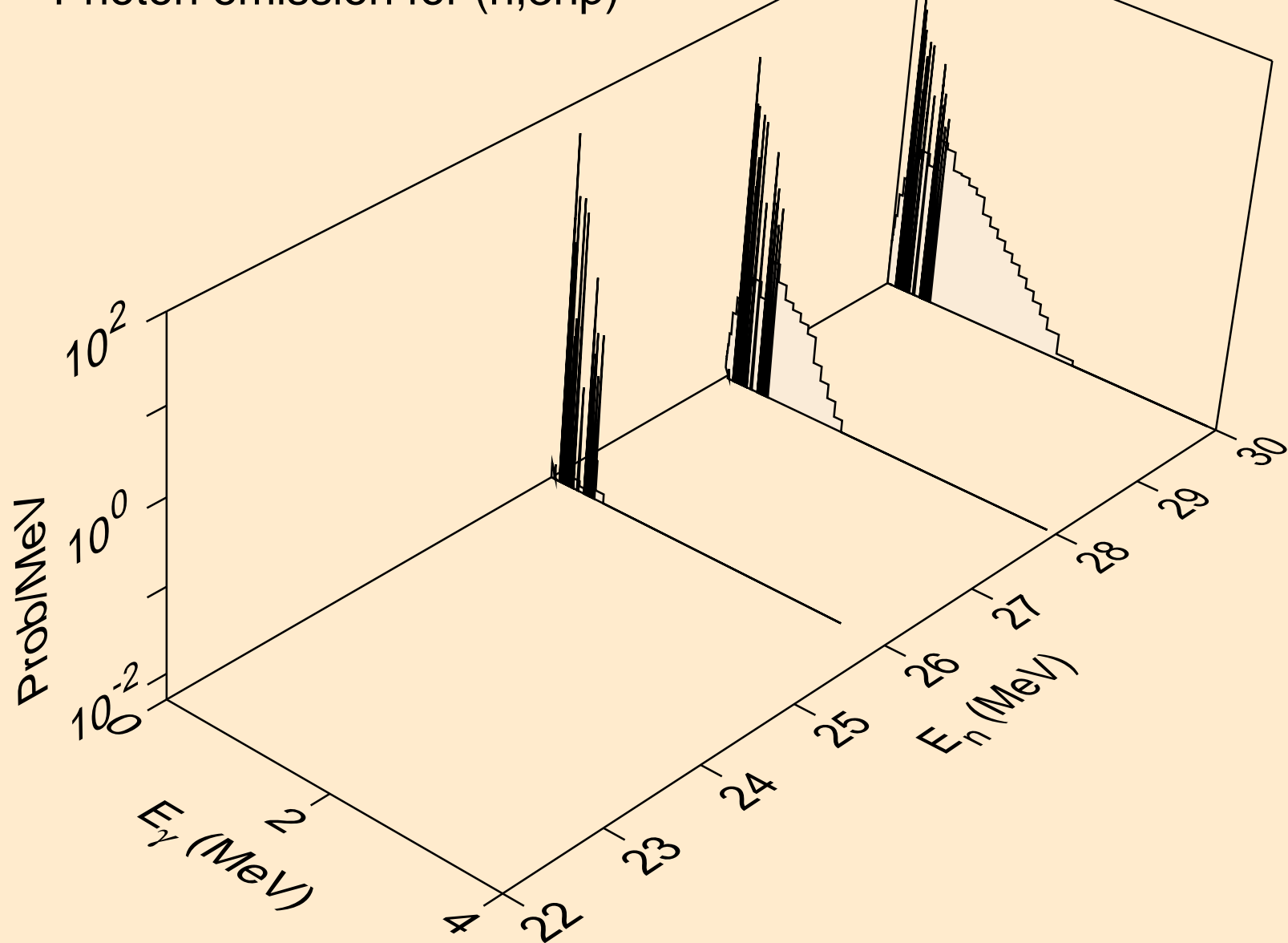
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



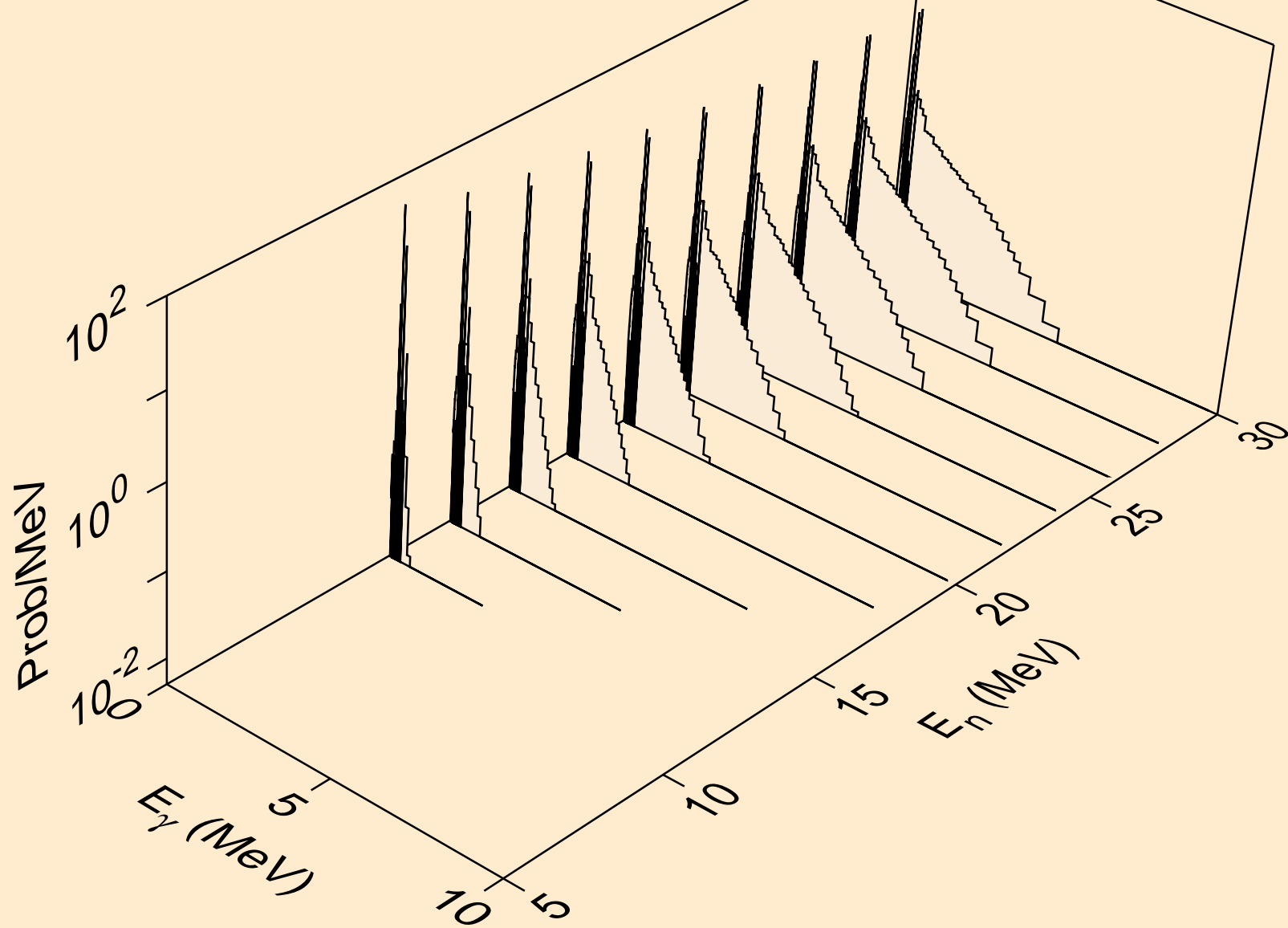
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



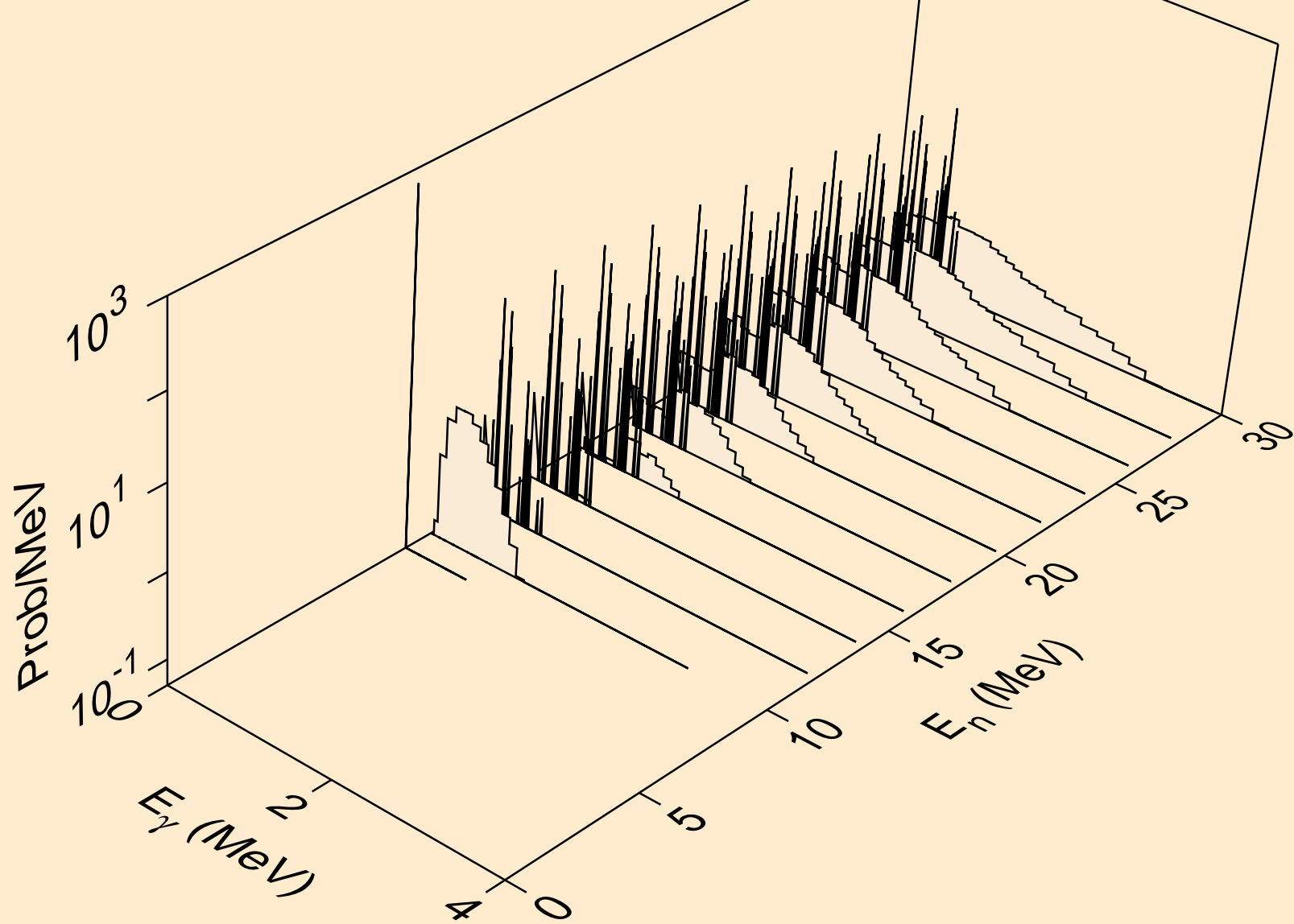
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3np)



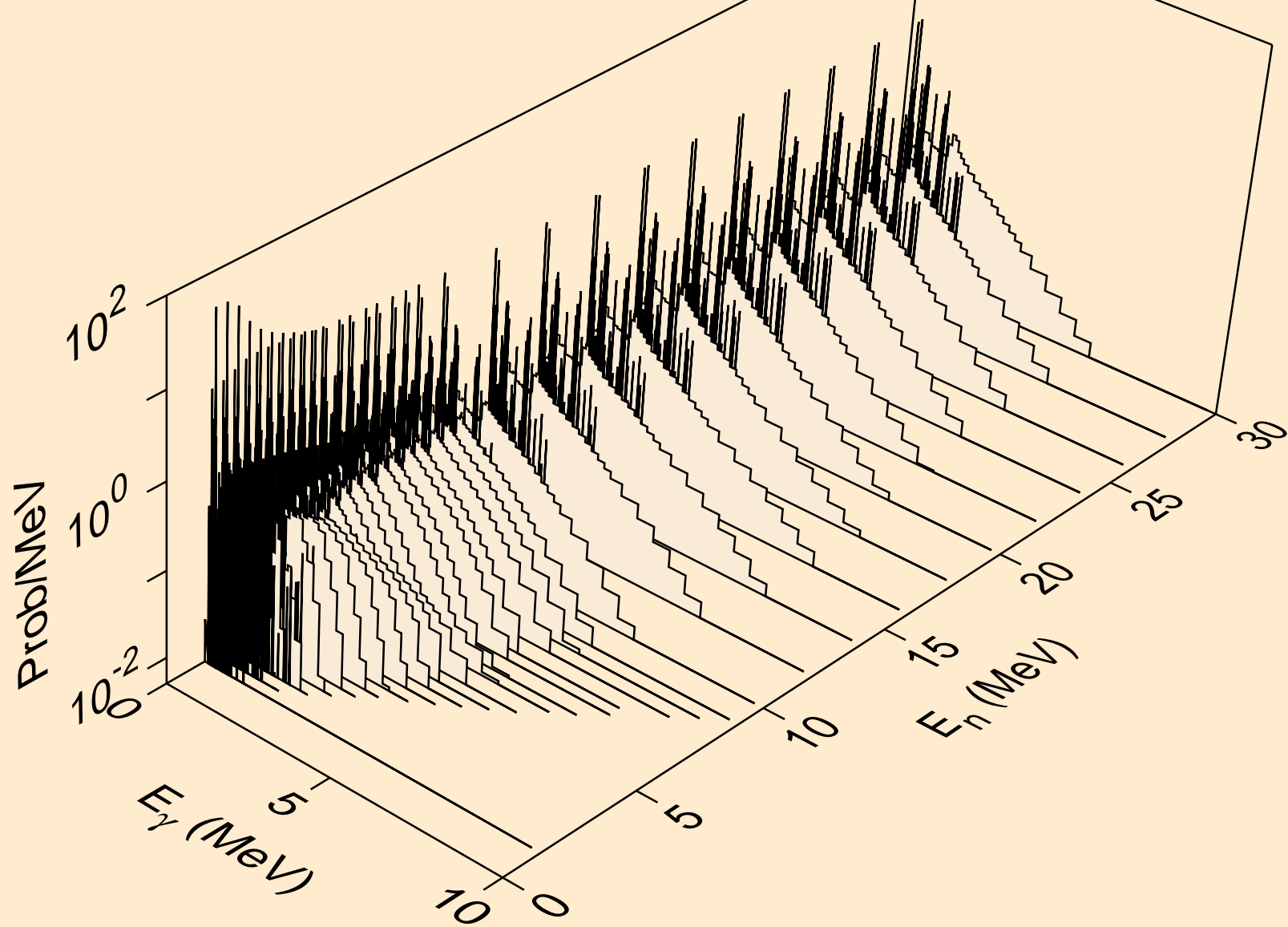
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n2p)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)

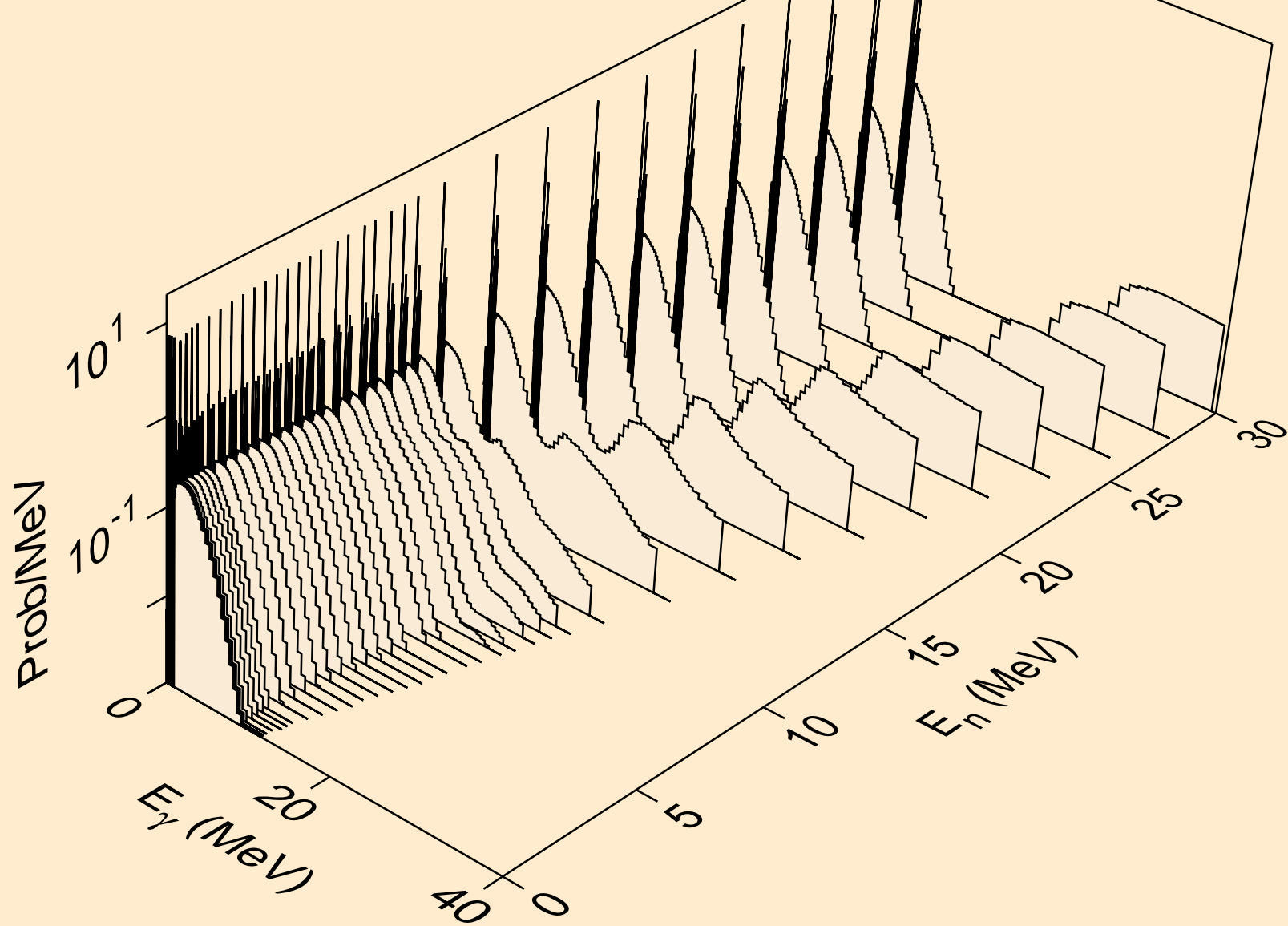


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*c)

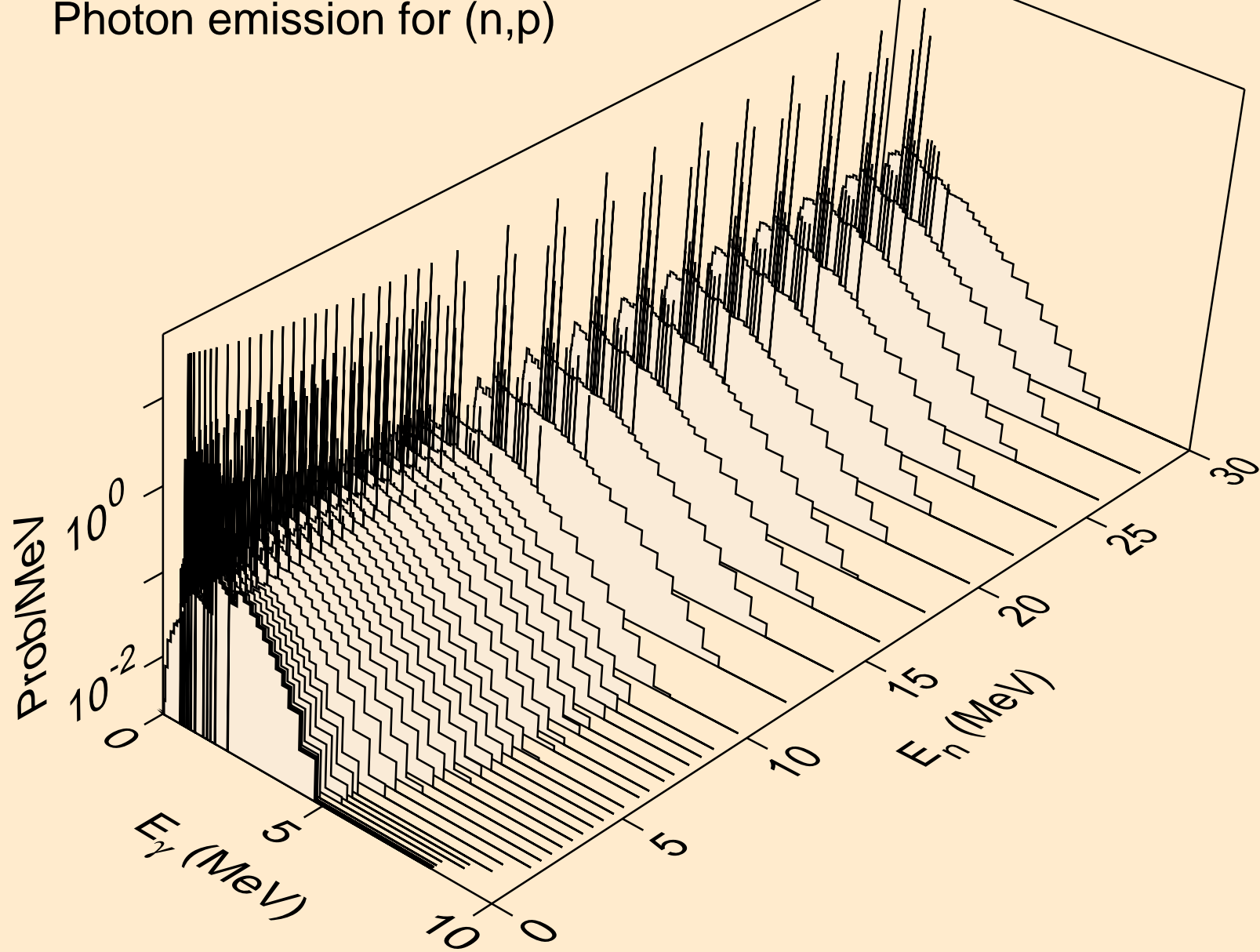




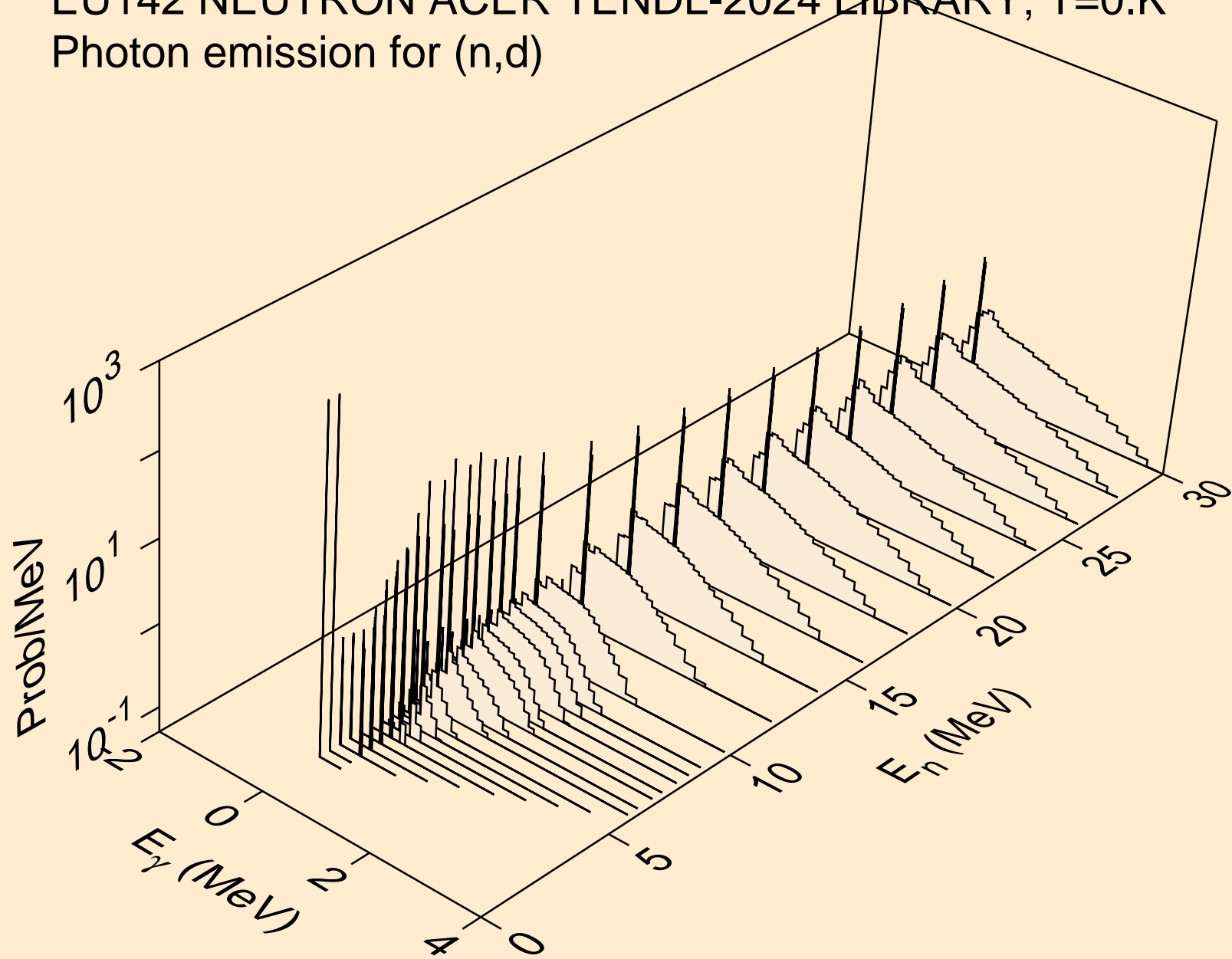
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,gma)



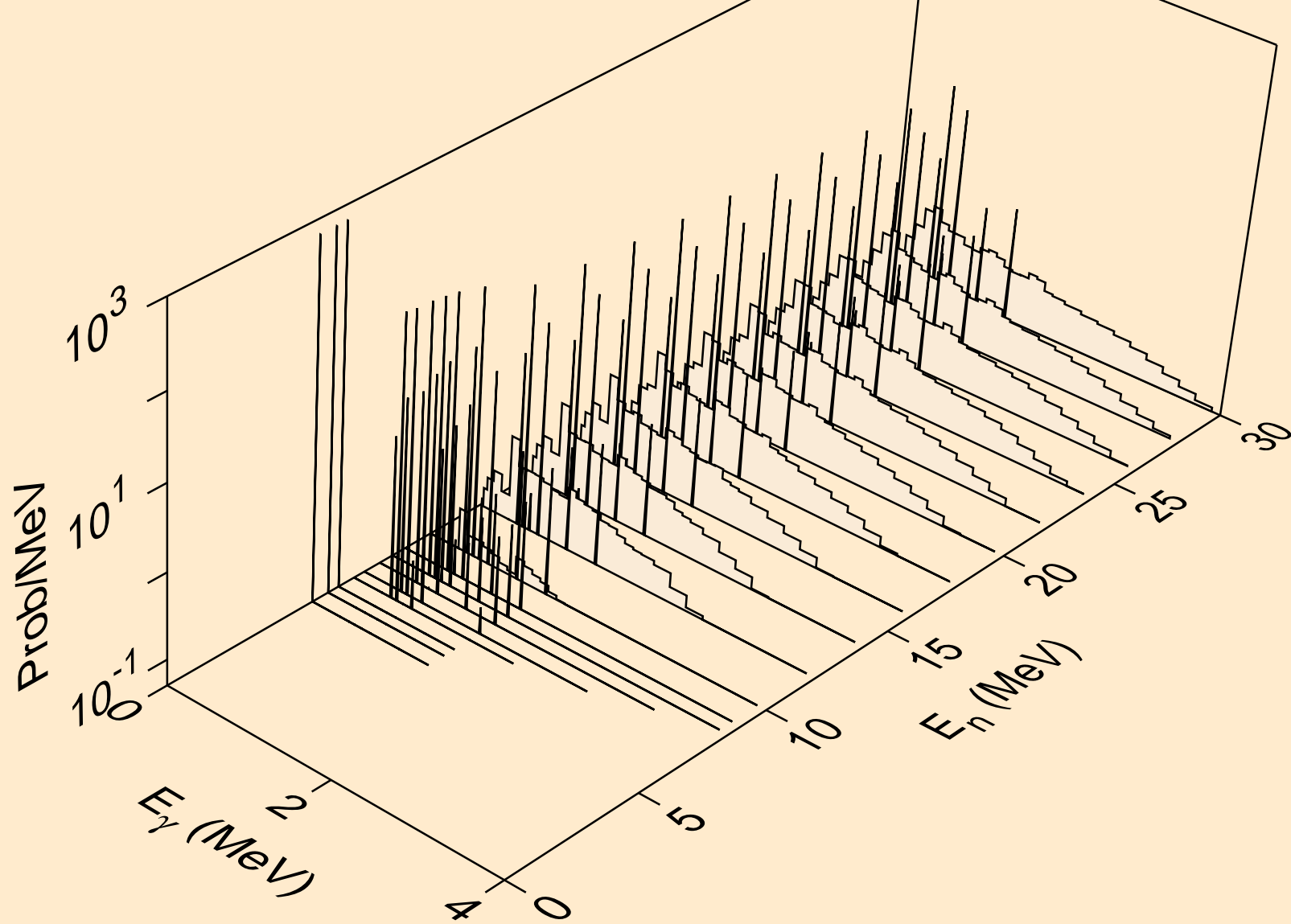
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



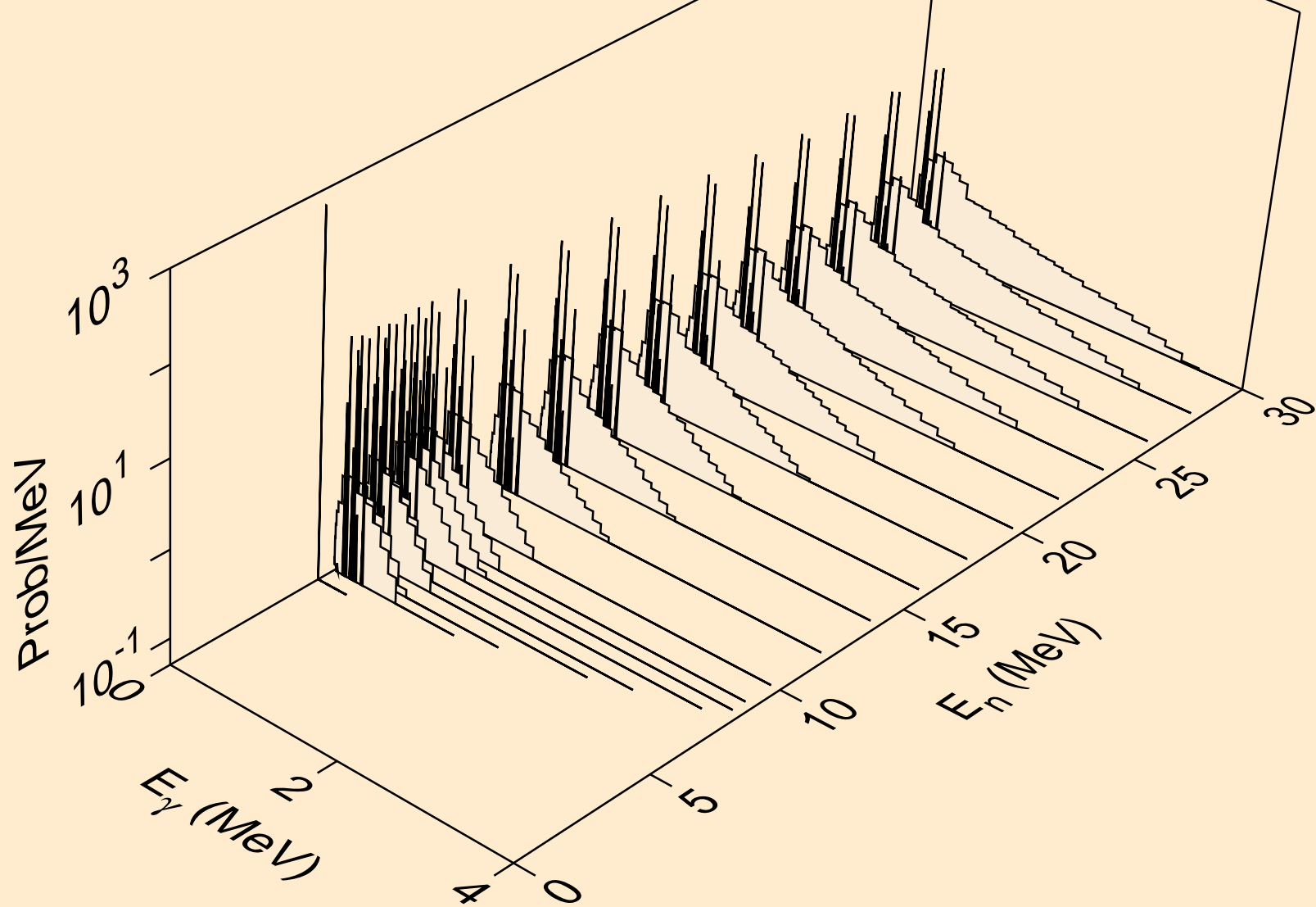
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



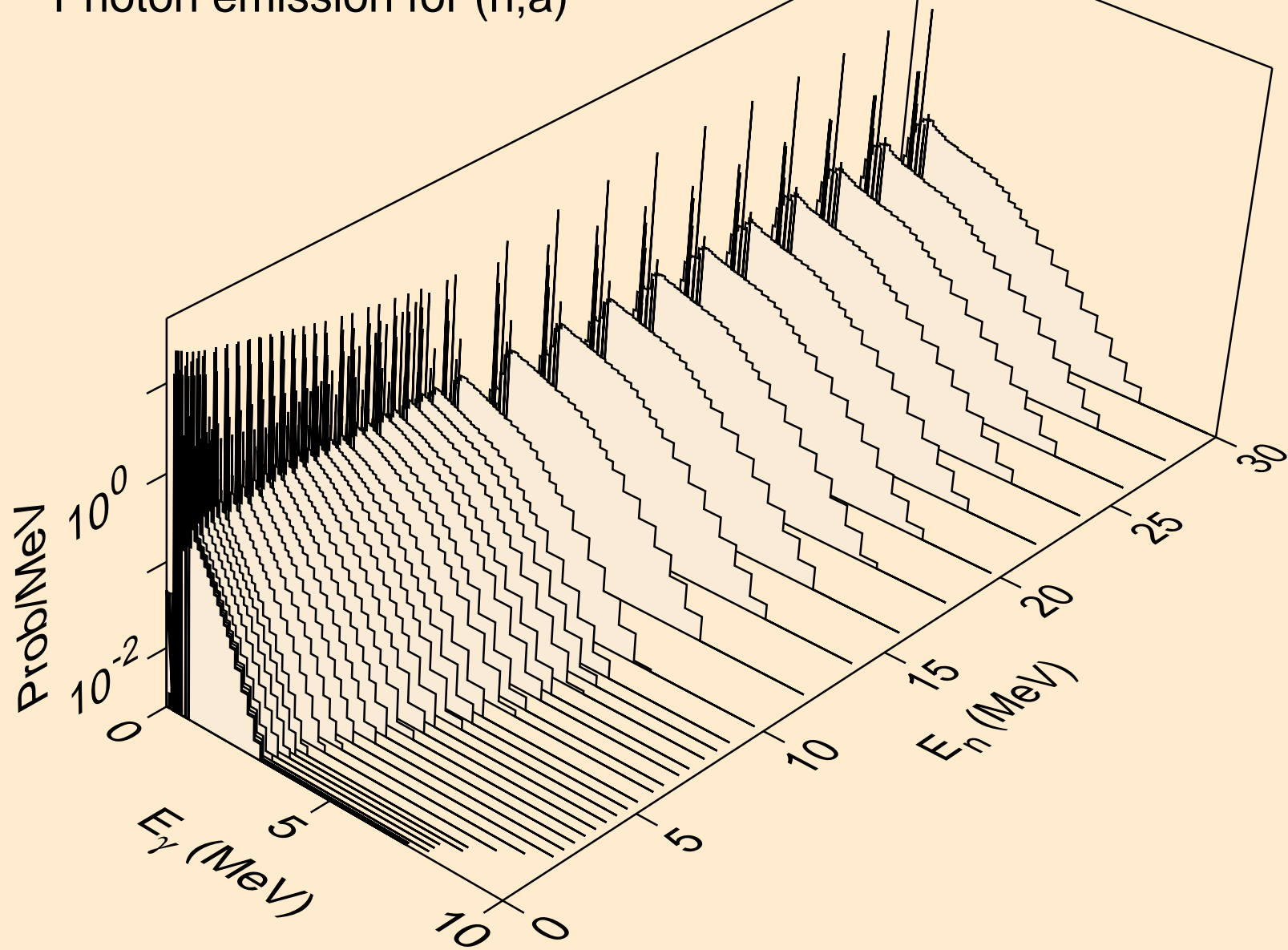
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



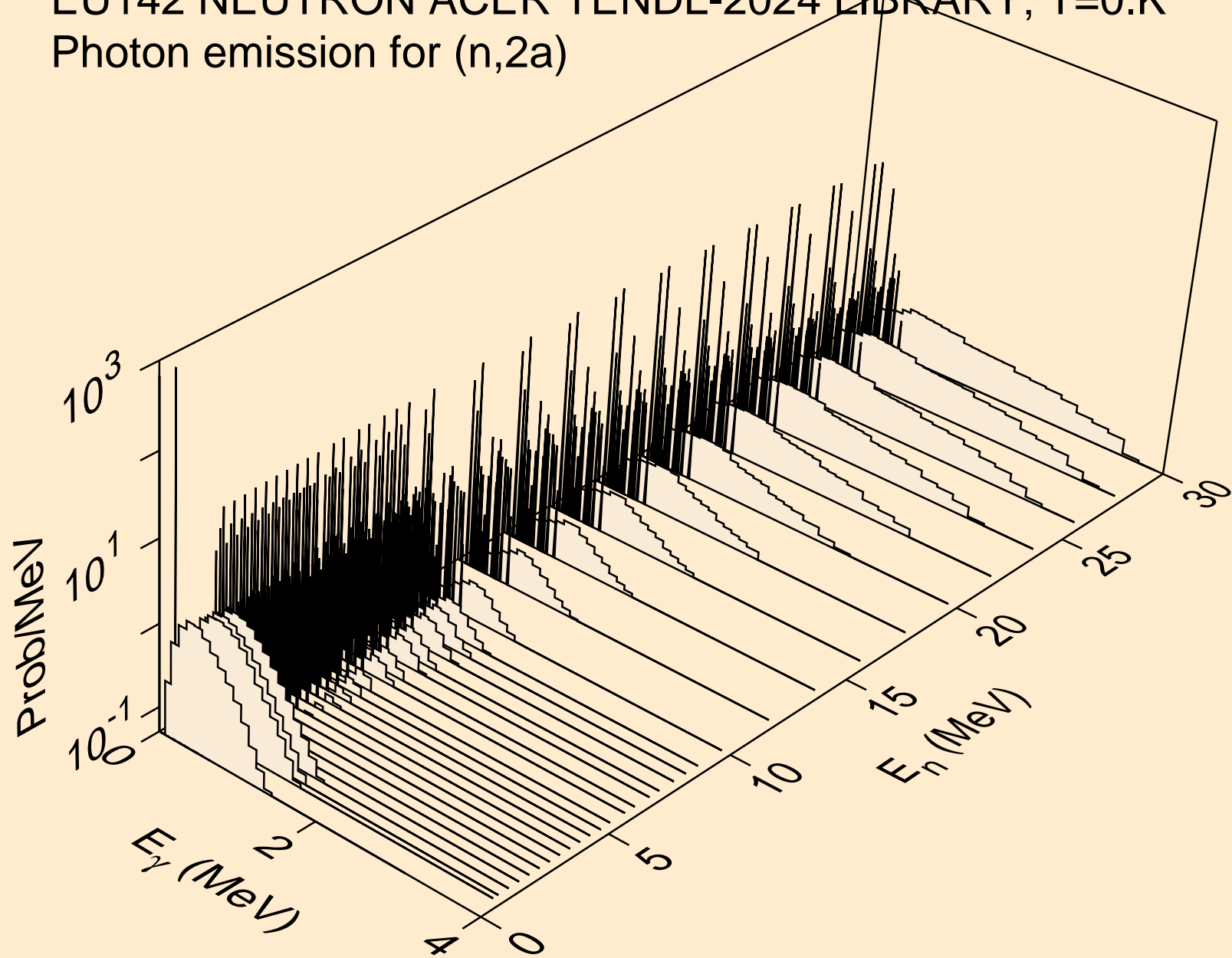
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



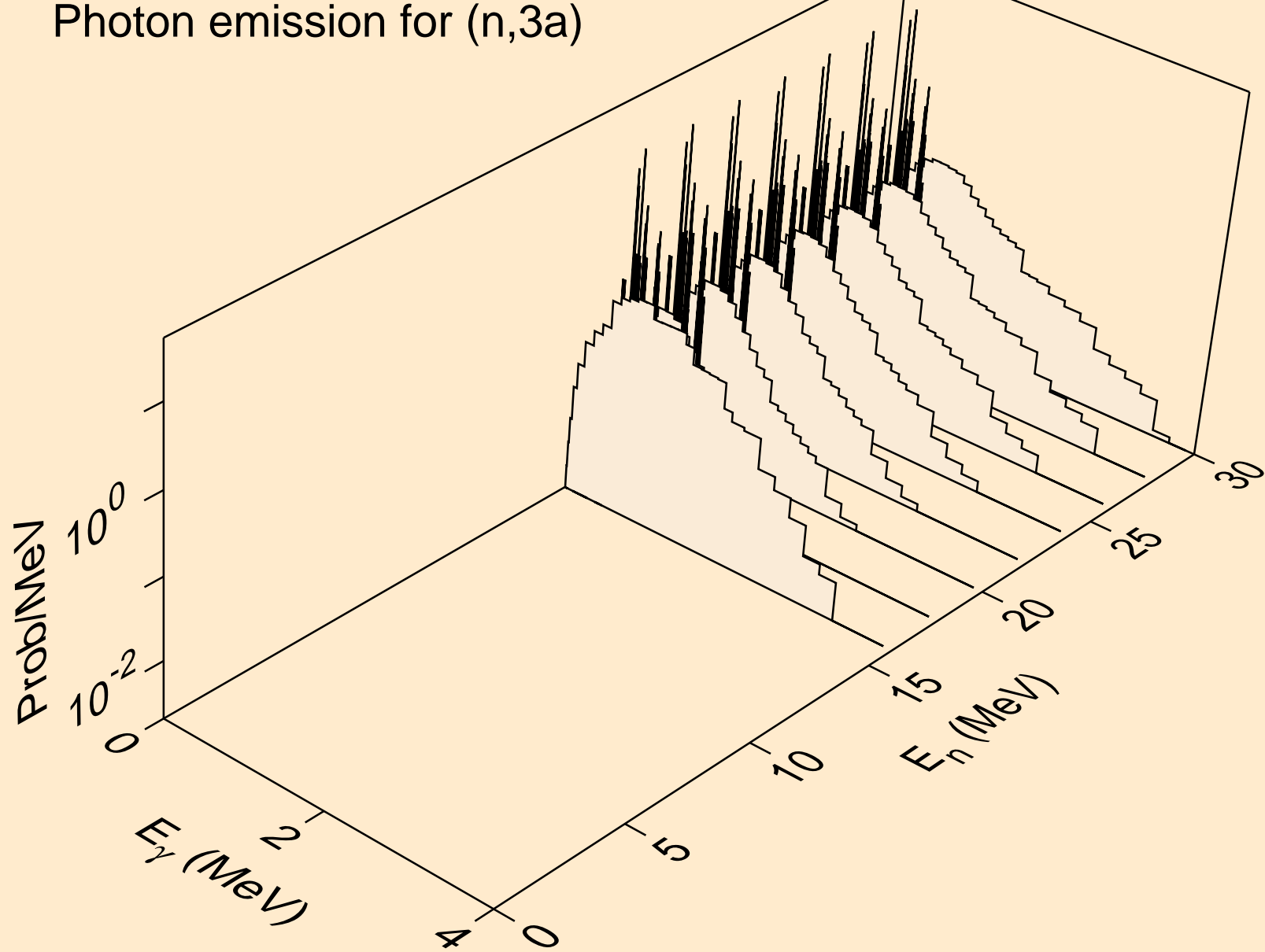
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

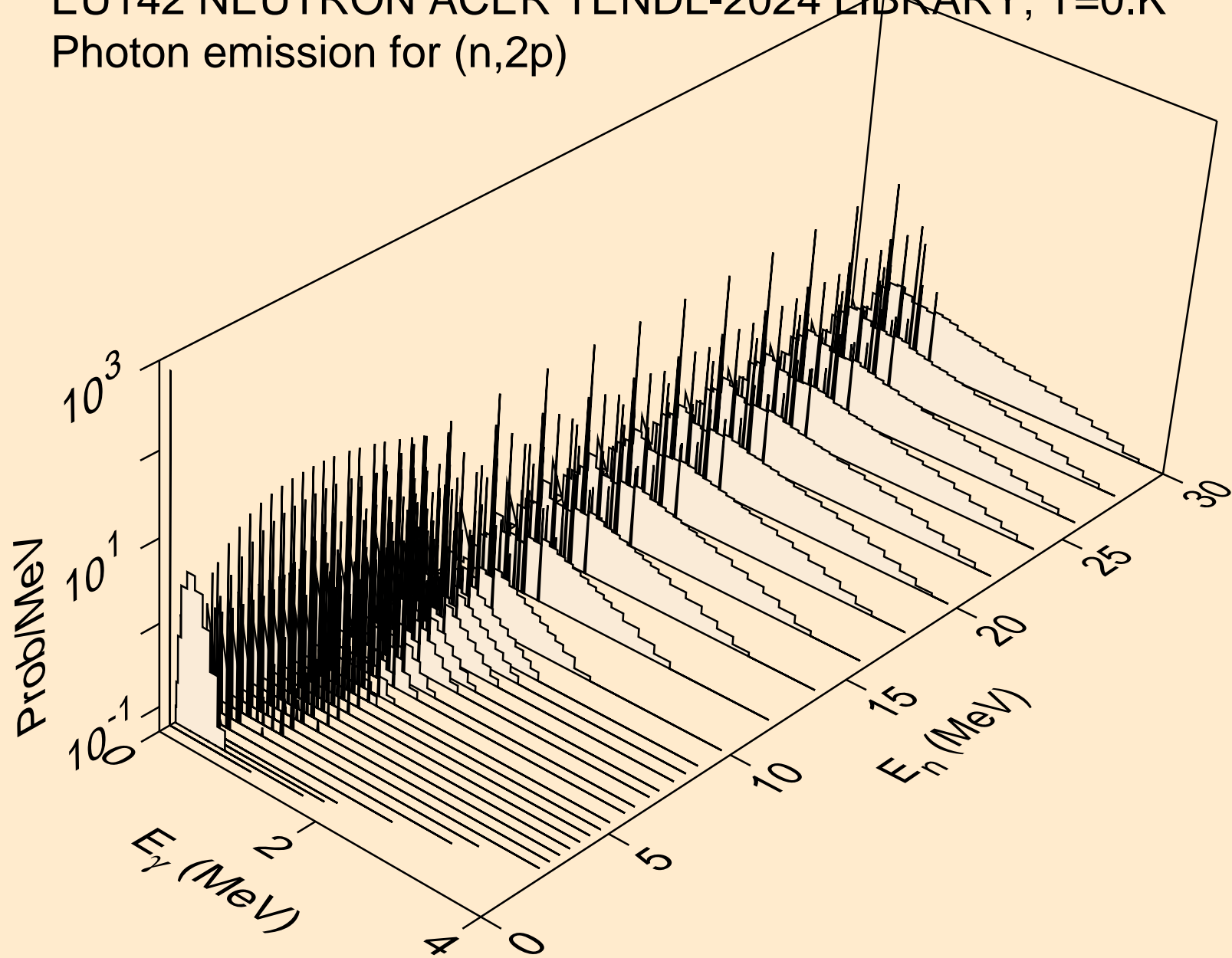


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

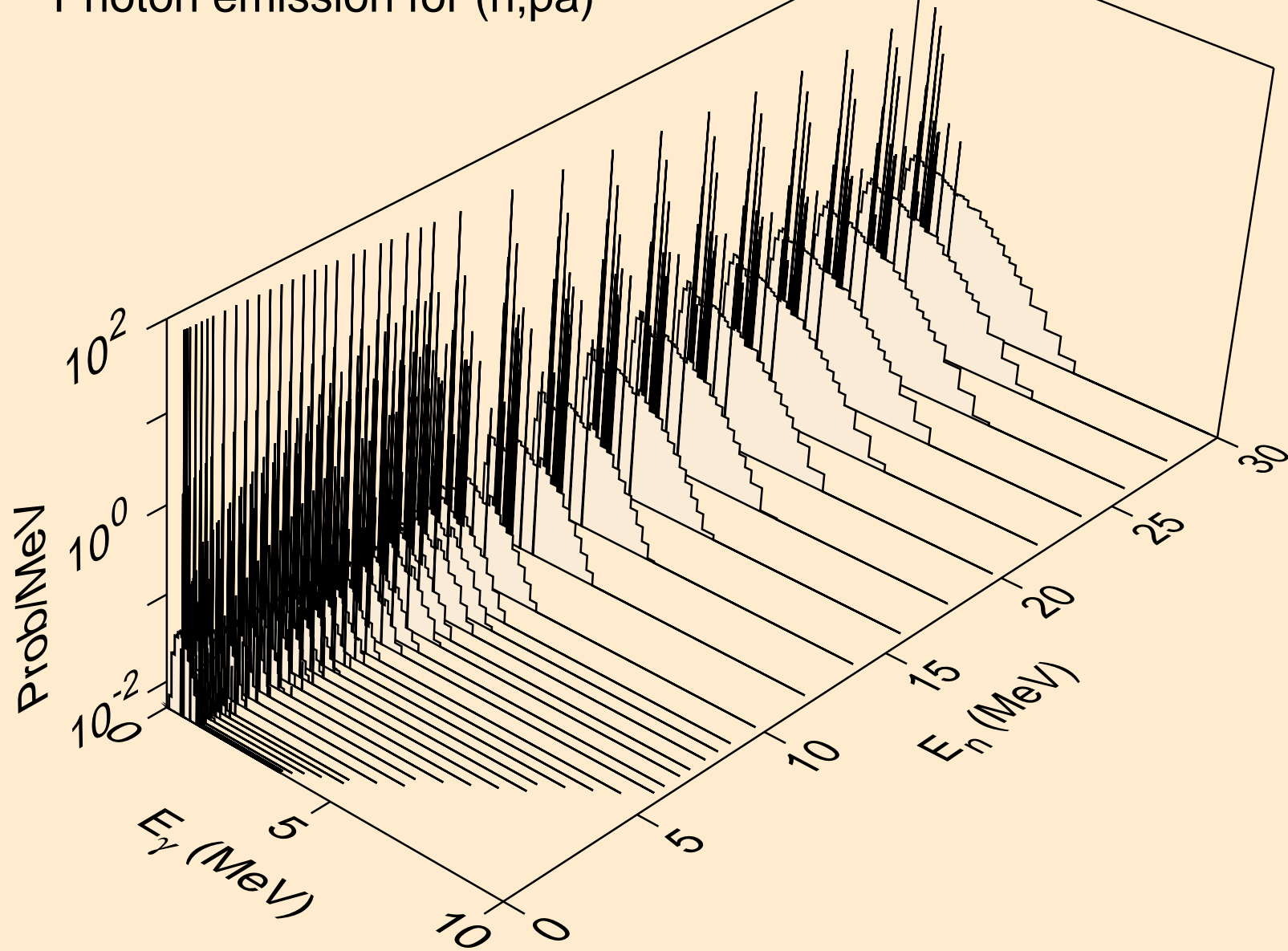




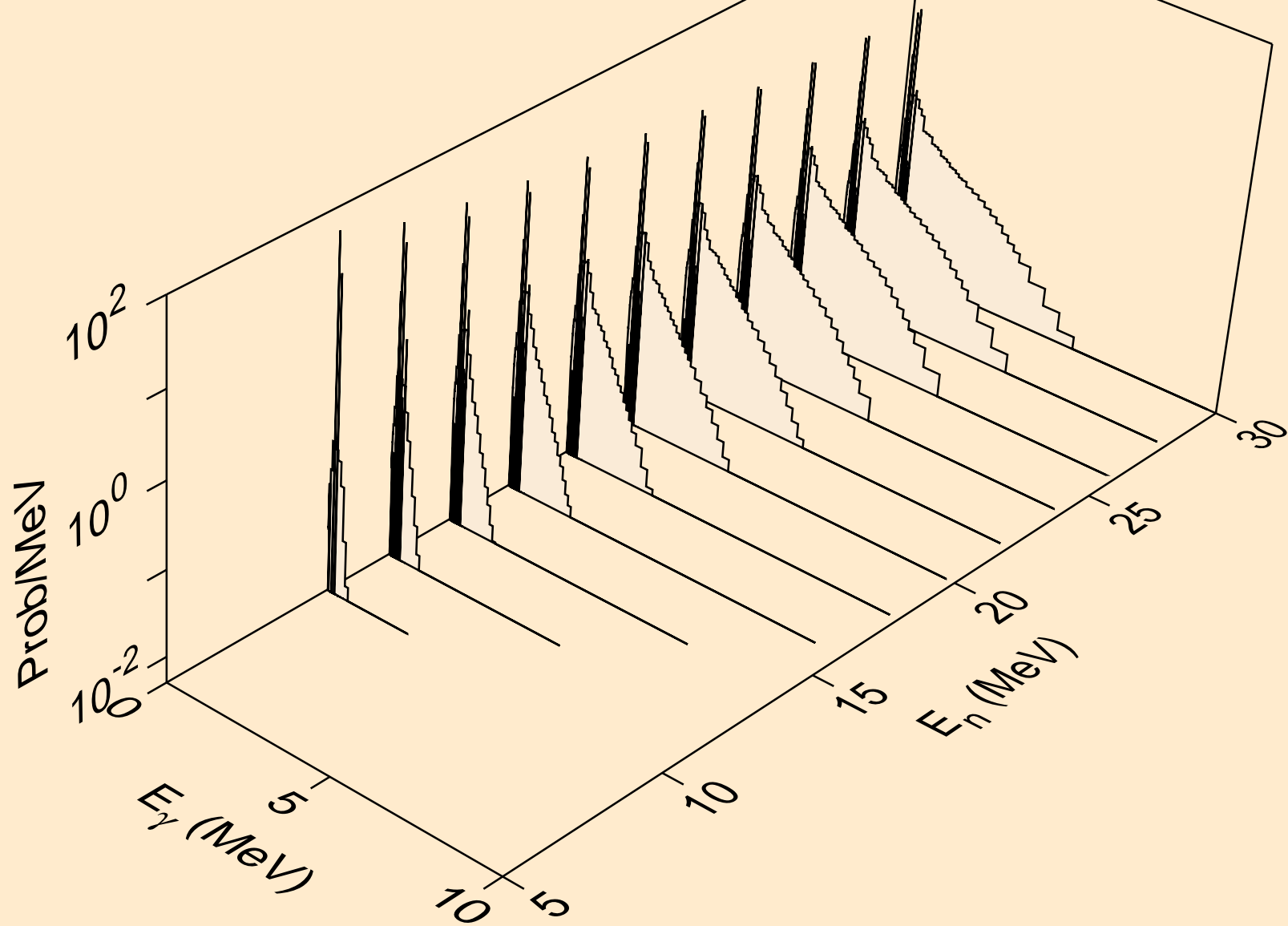
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



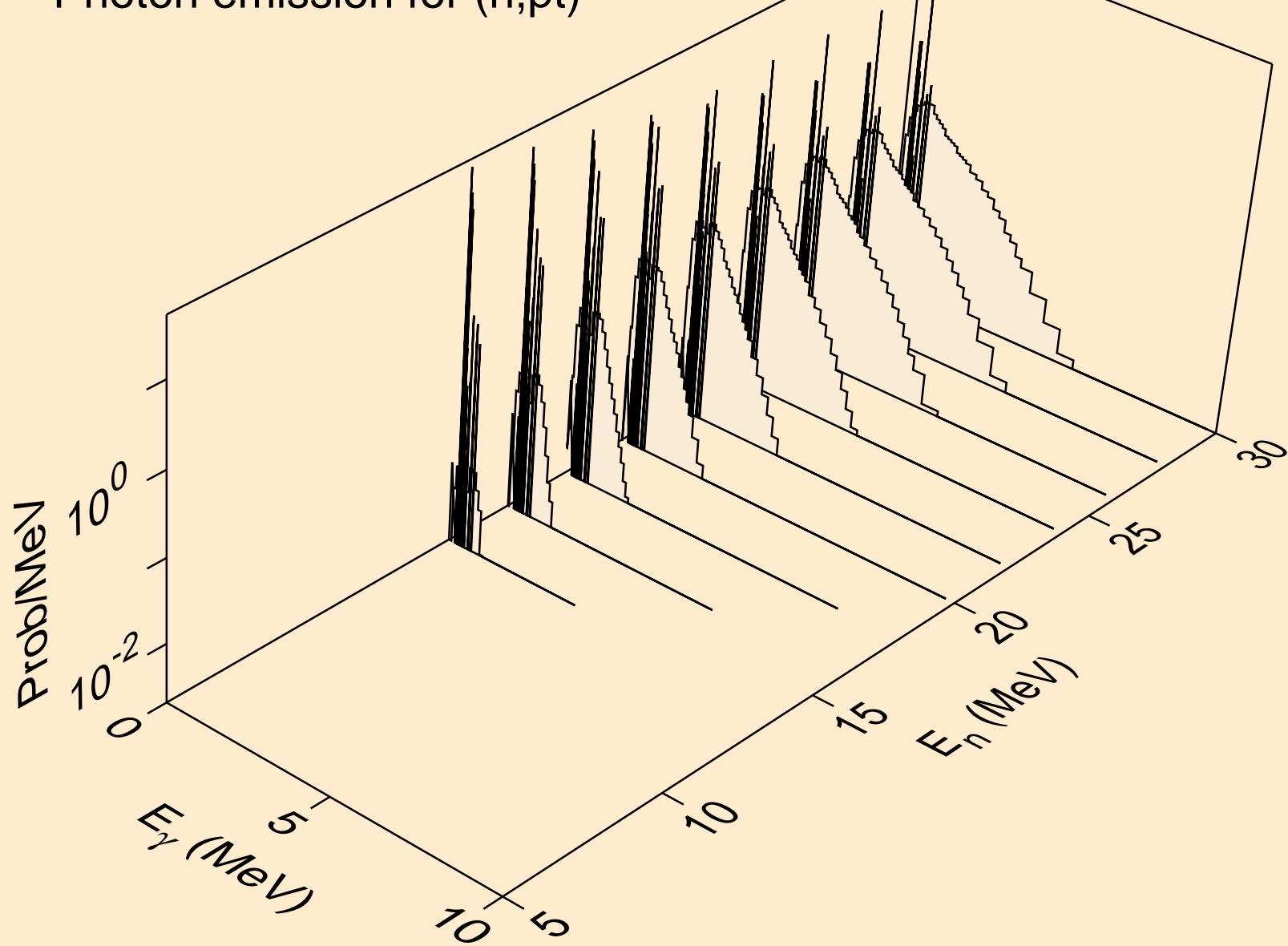
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



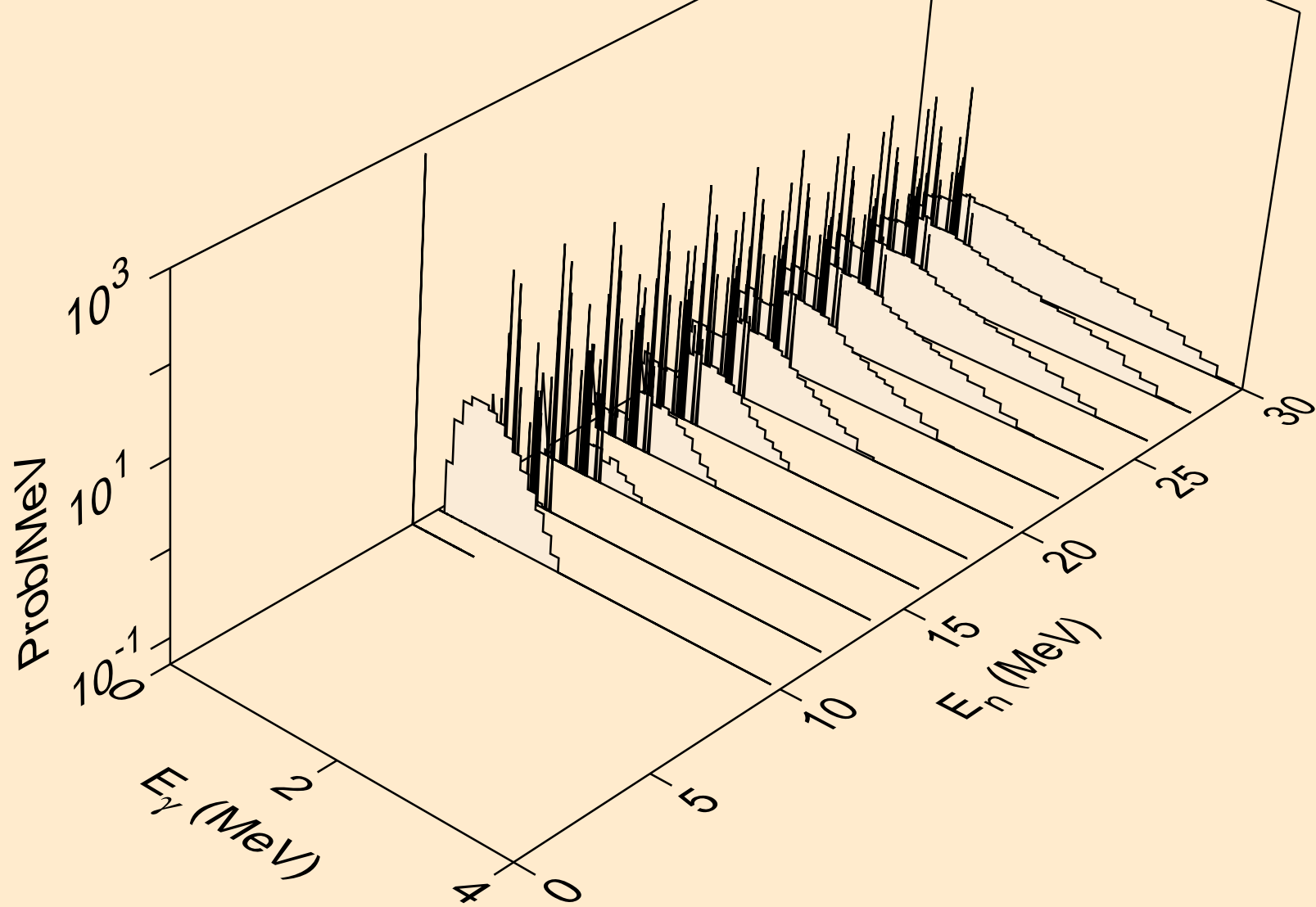
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



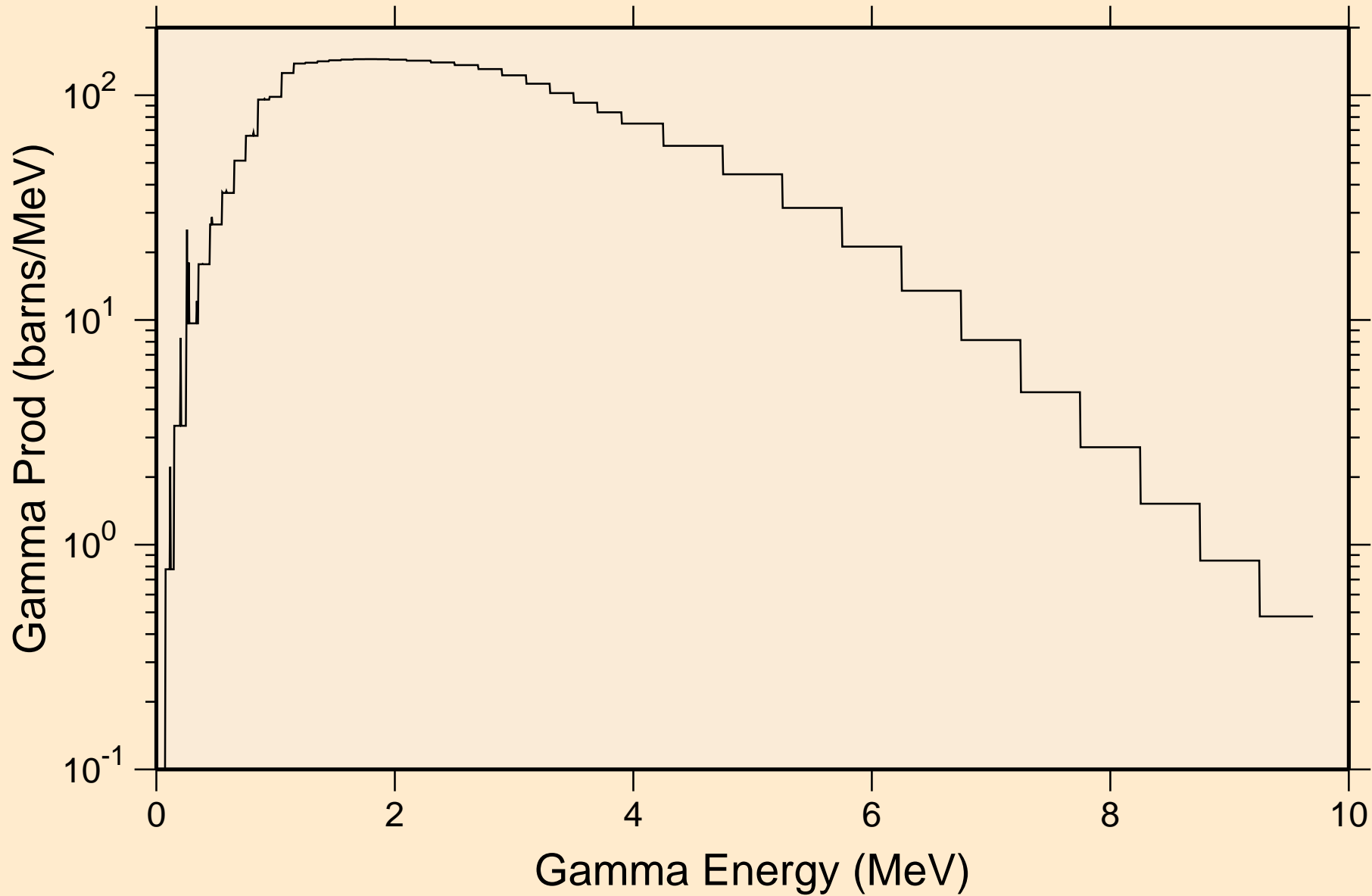
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



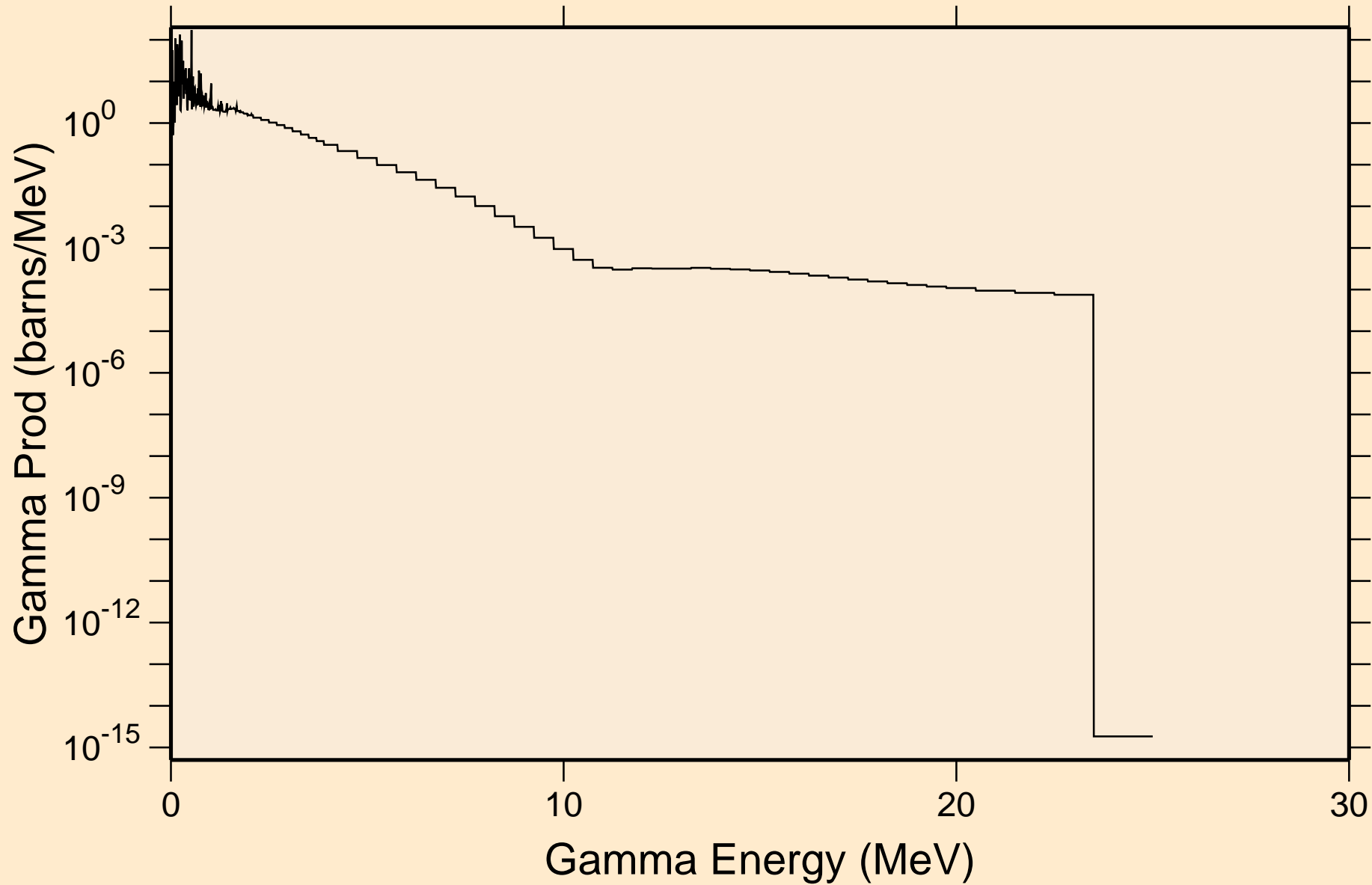
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

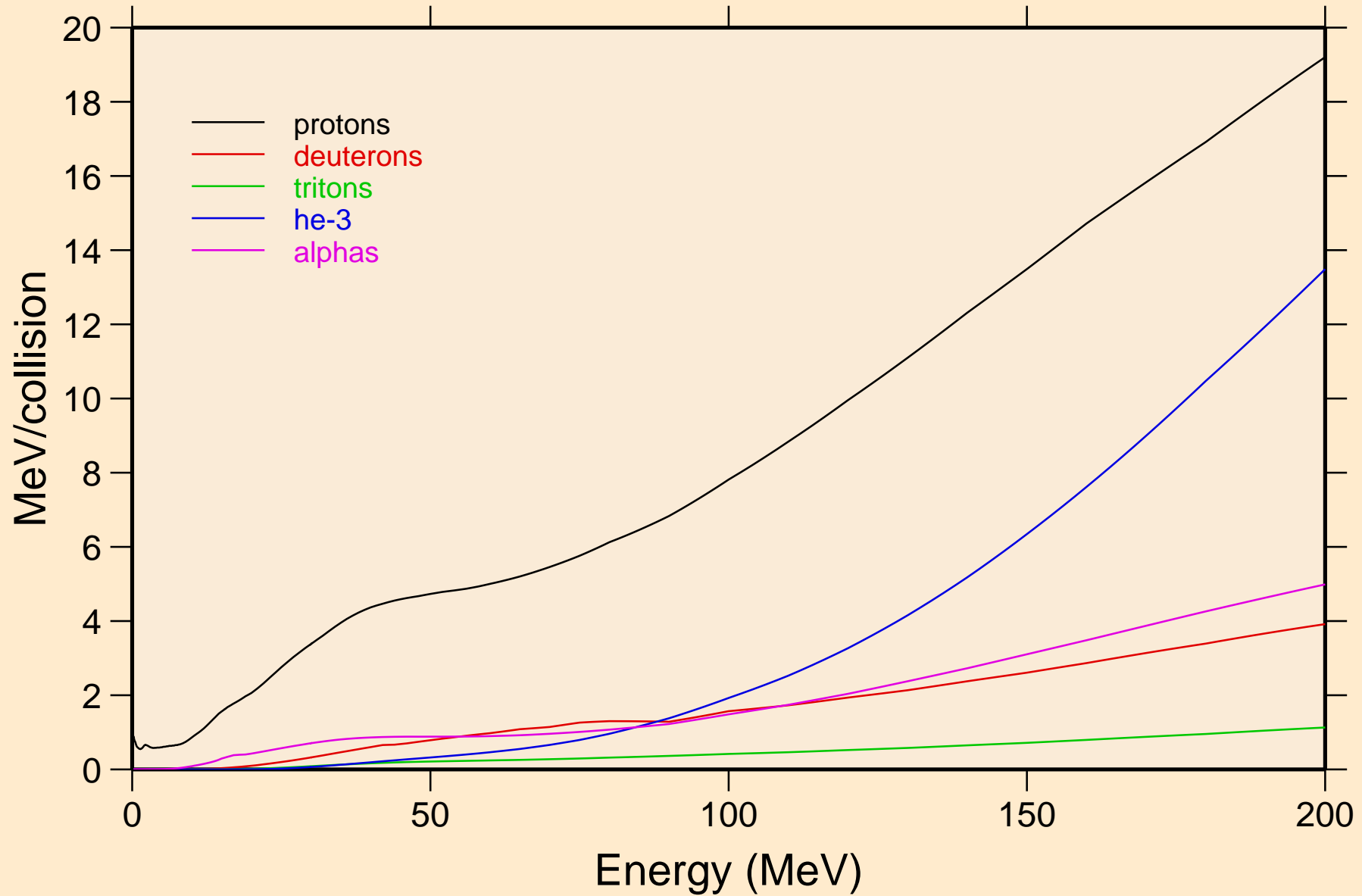


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

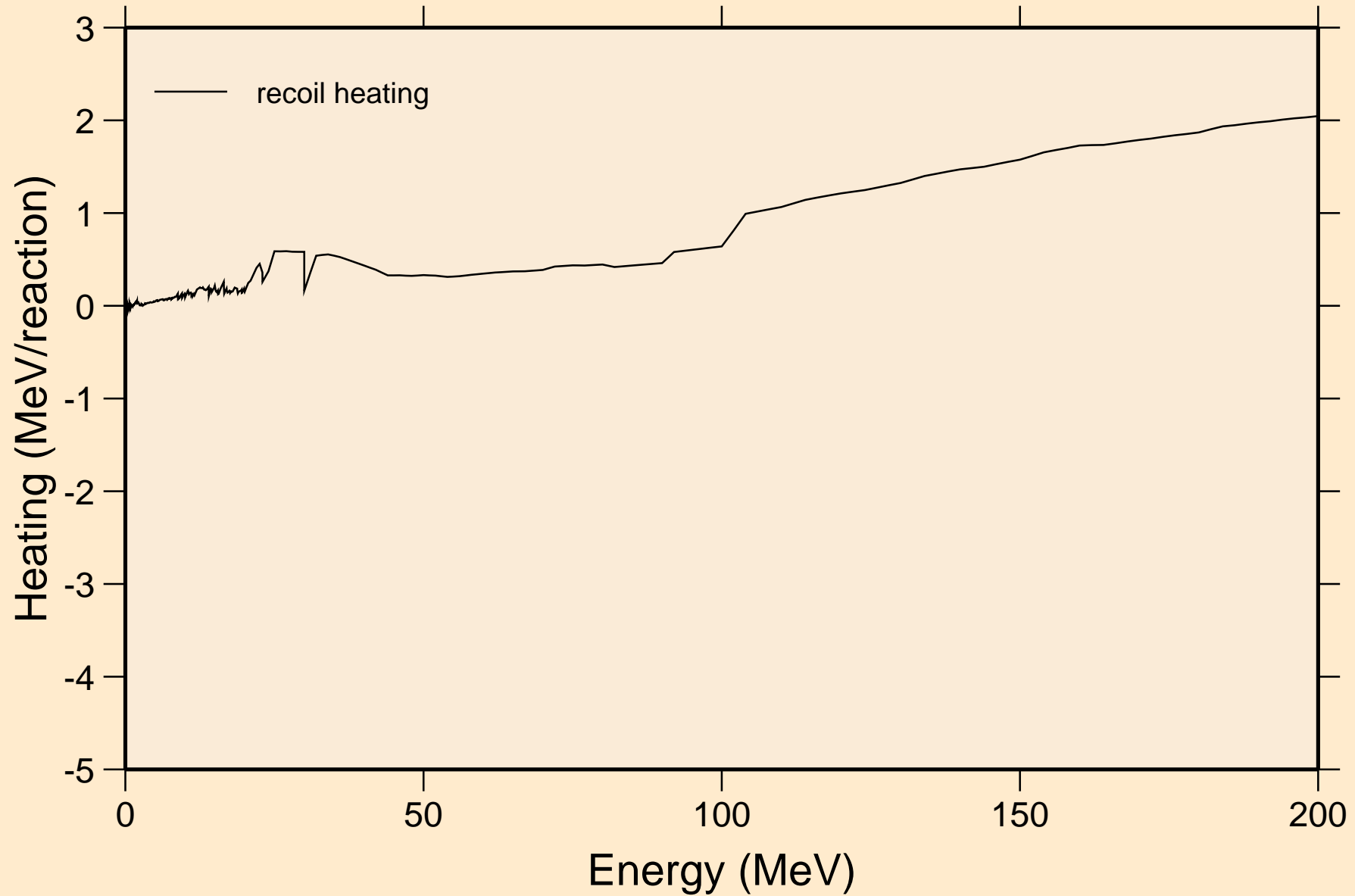
## Particle heating contributions





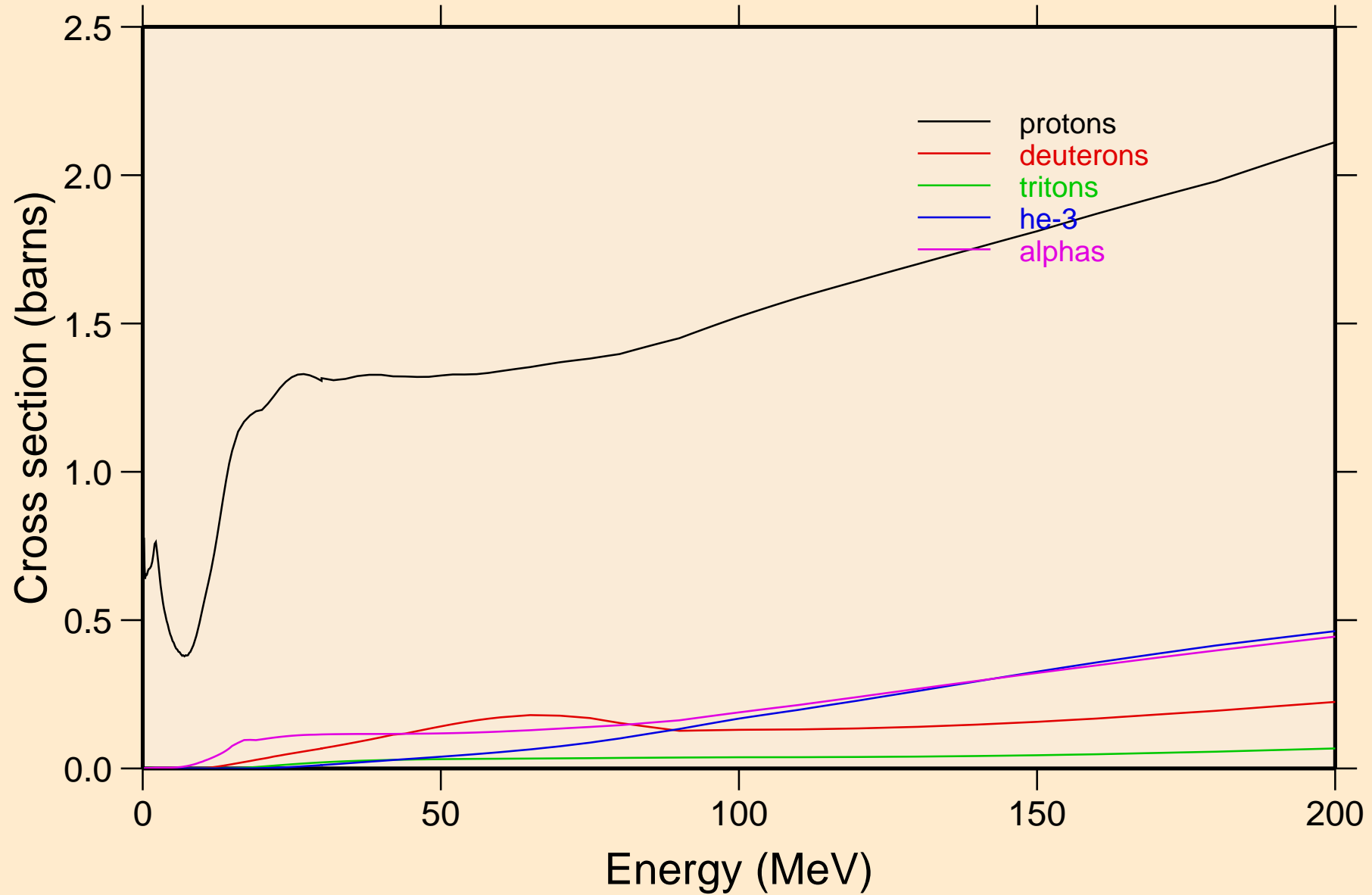
# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Recoil Heating

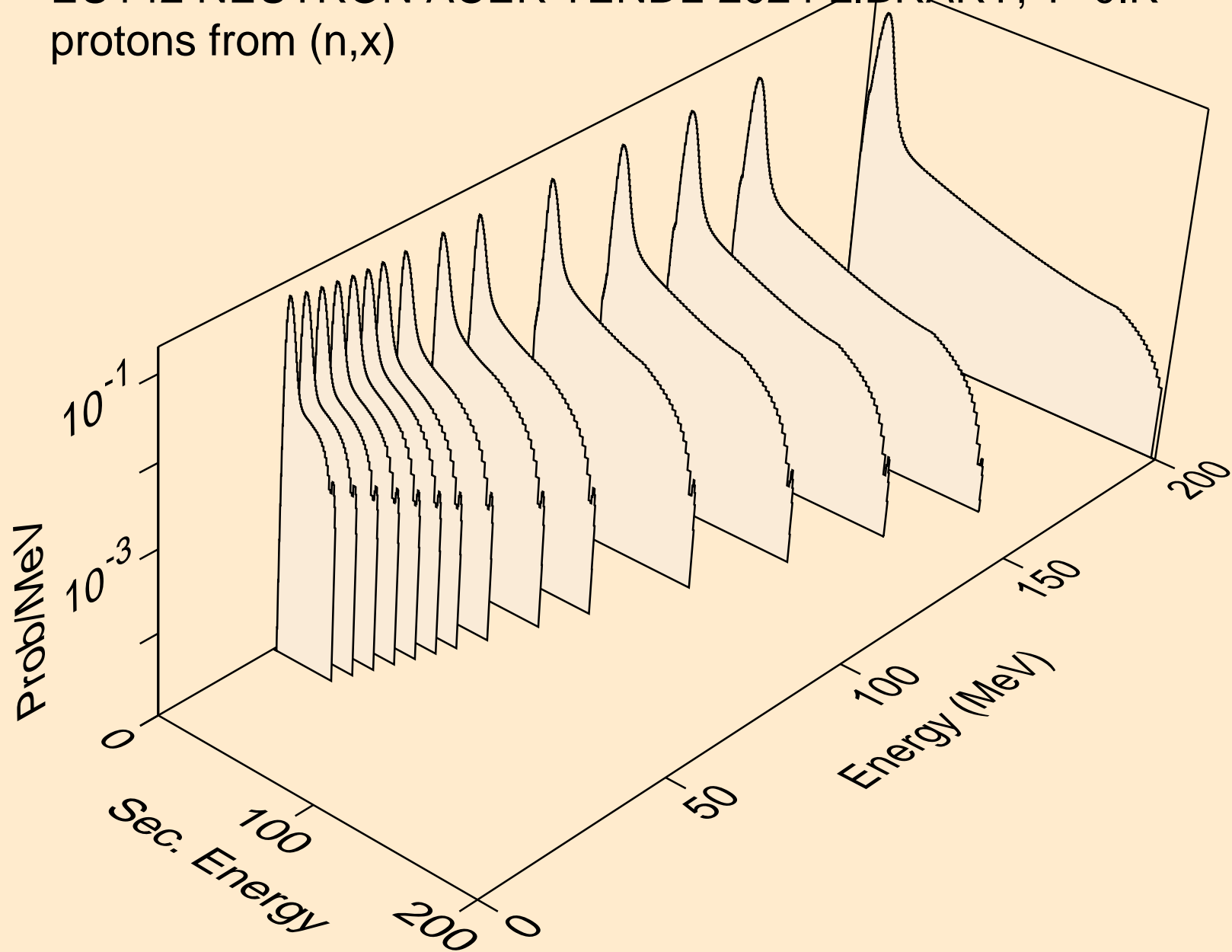


# EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

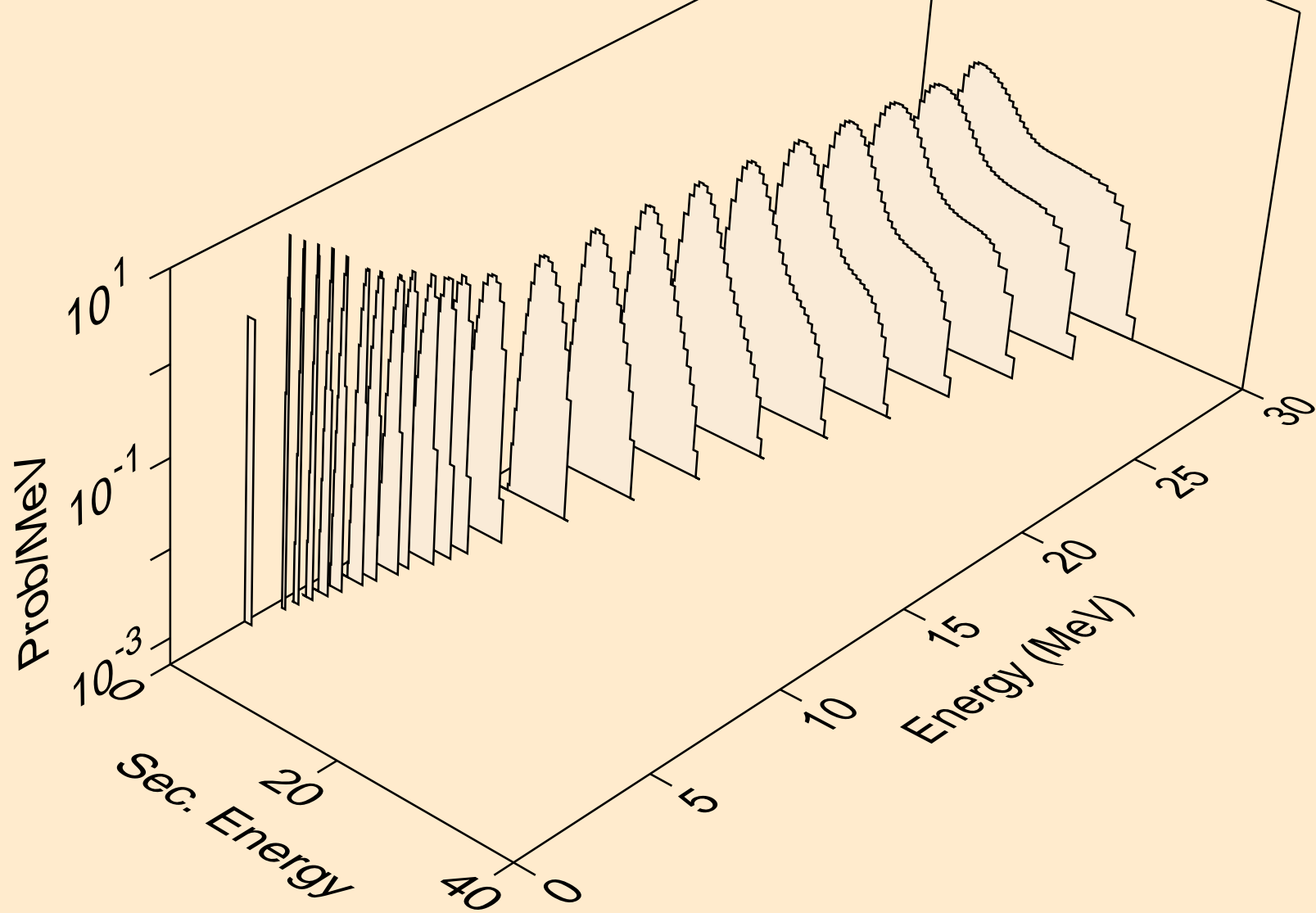
## Particle production cross sections



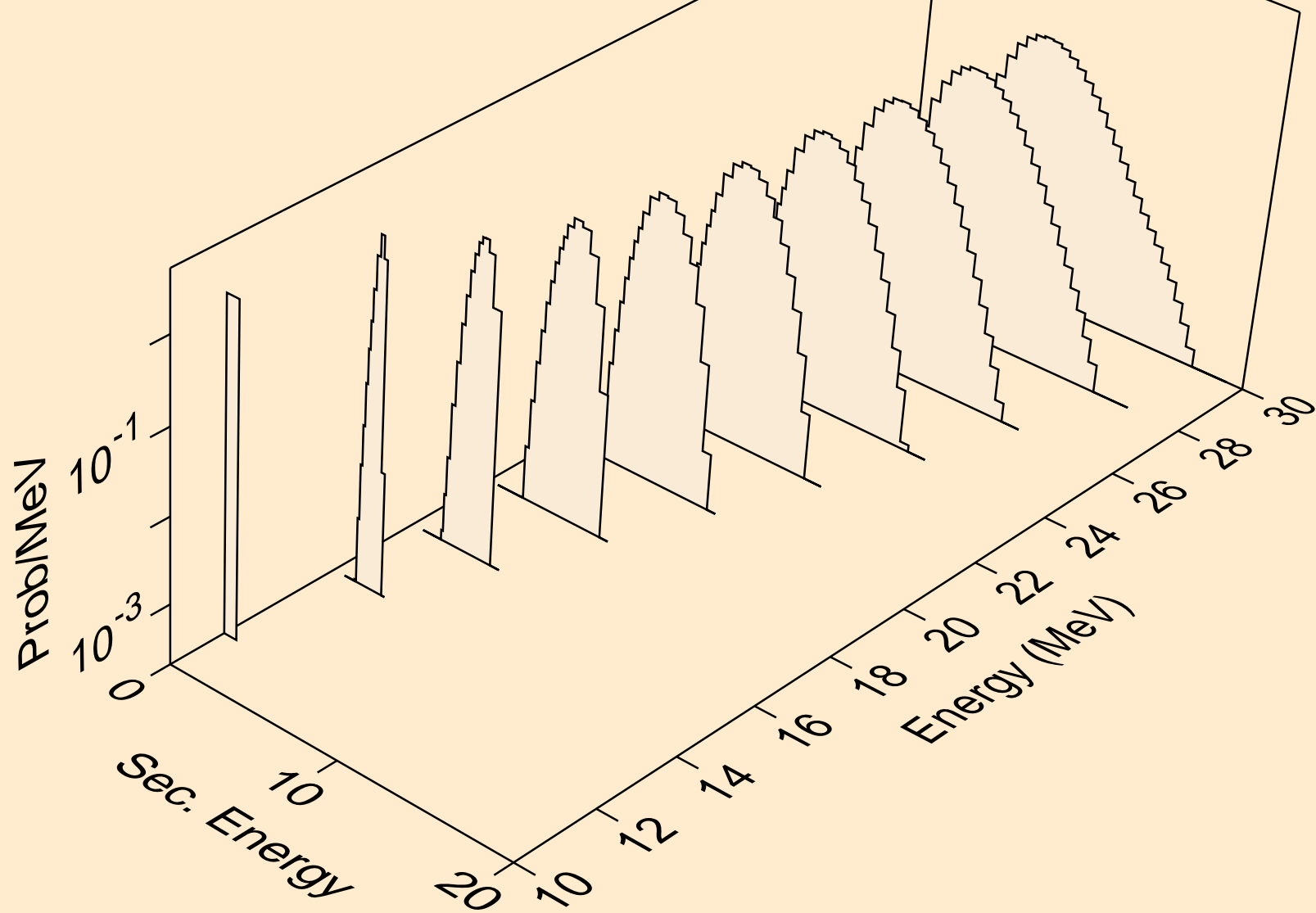
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



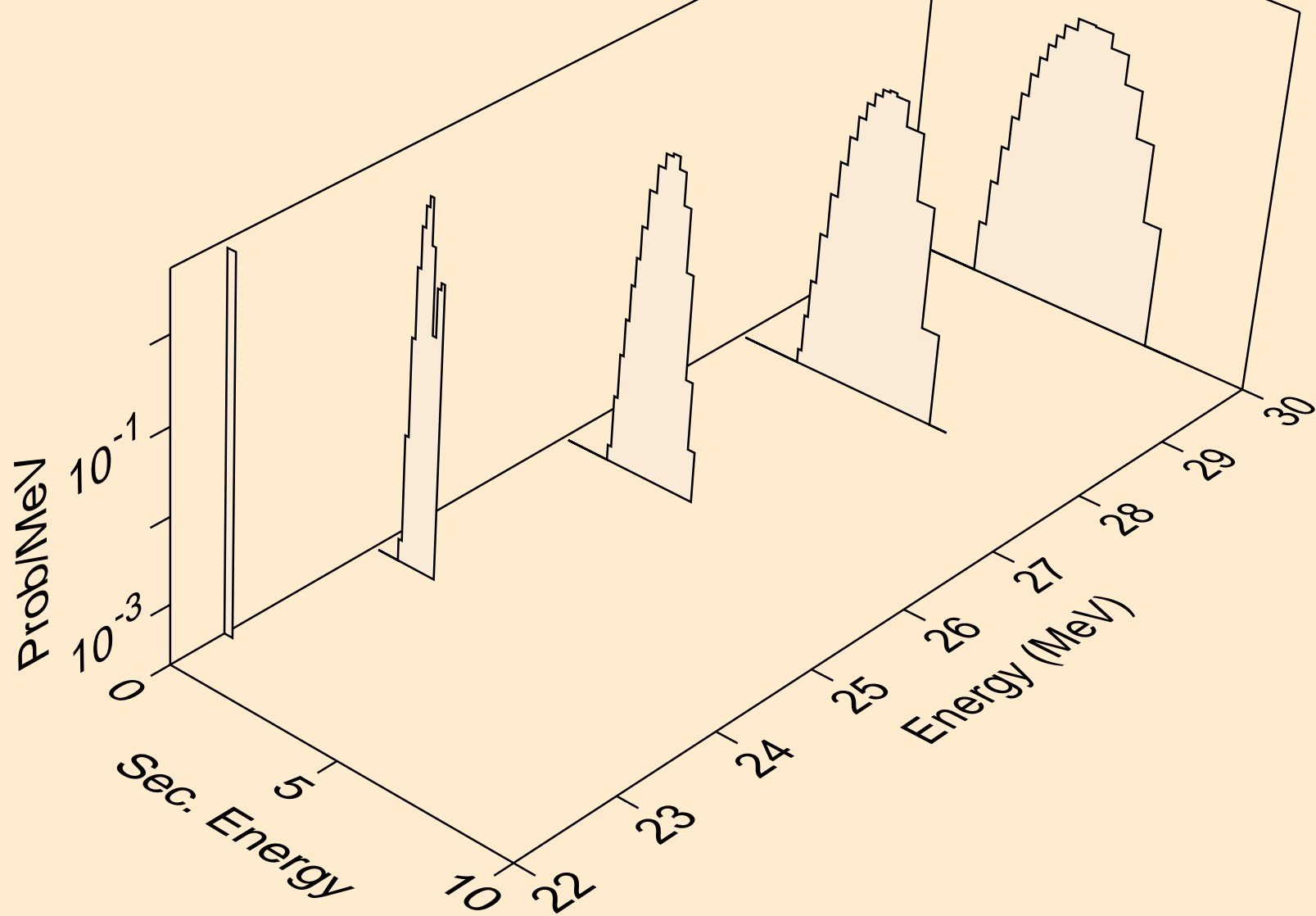
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



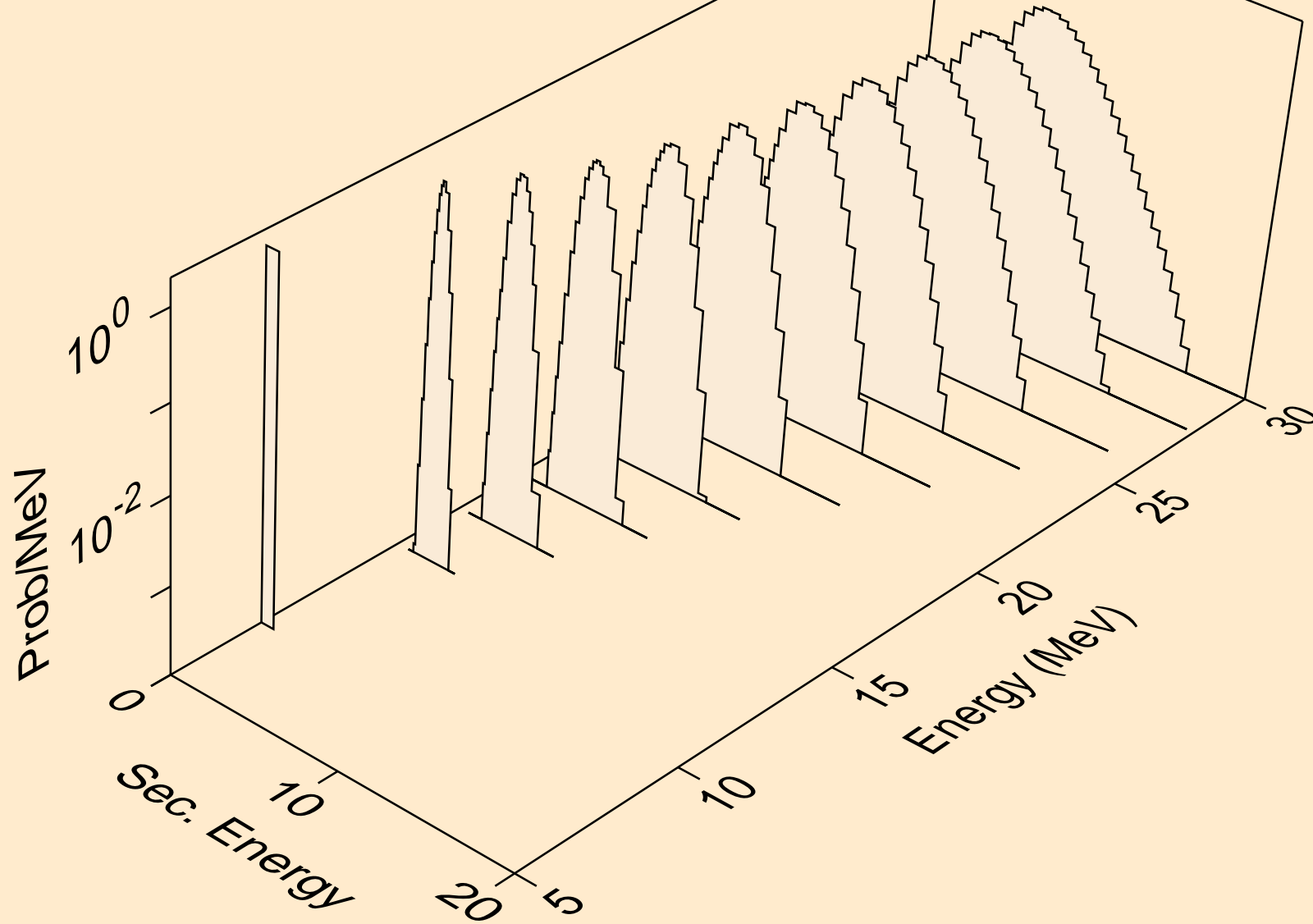
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)



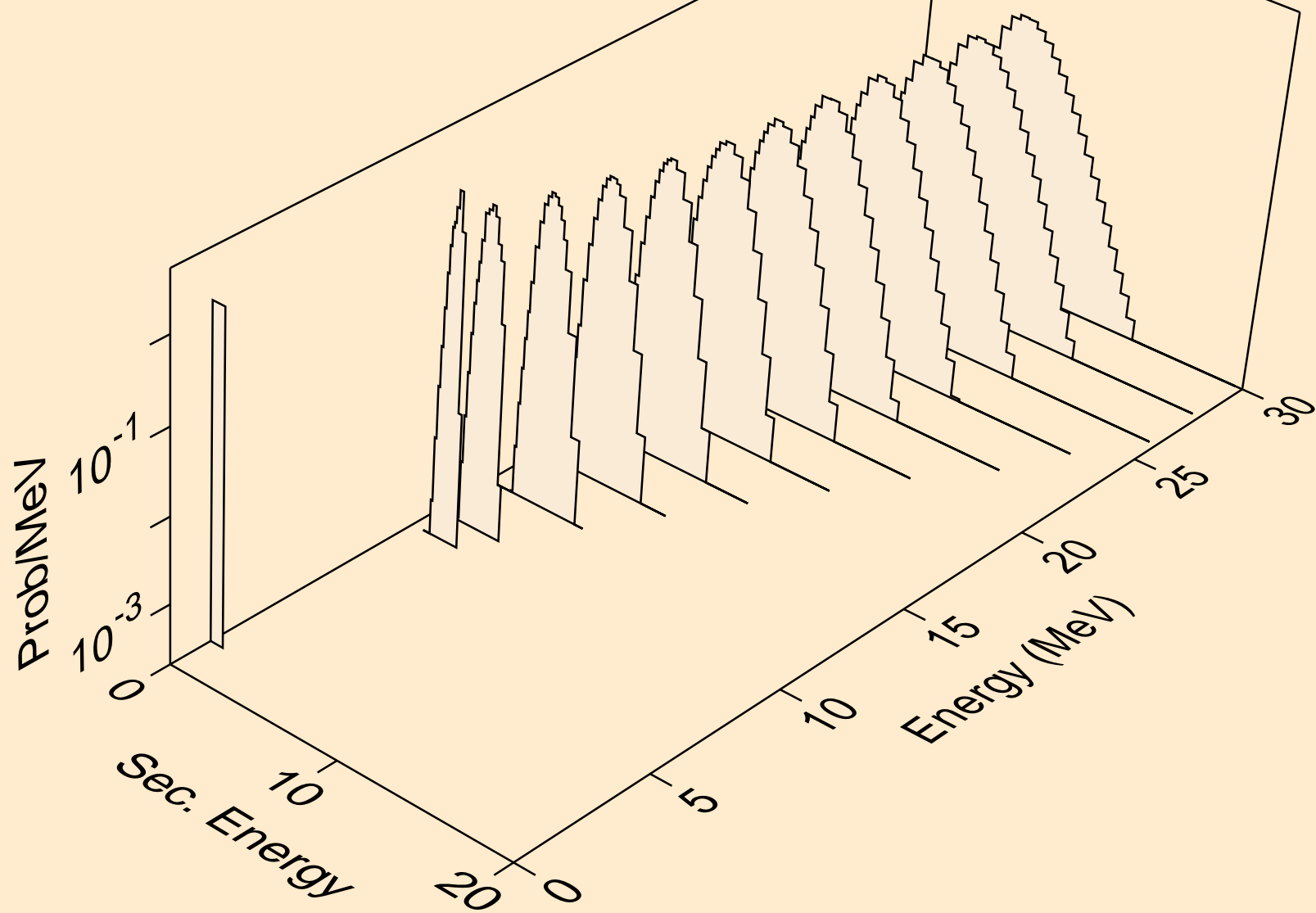
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n2p)

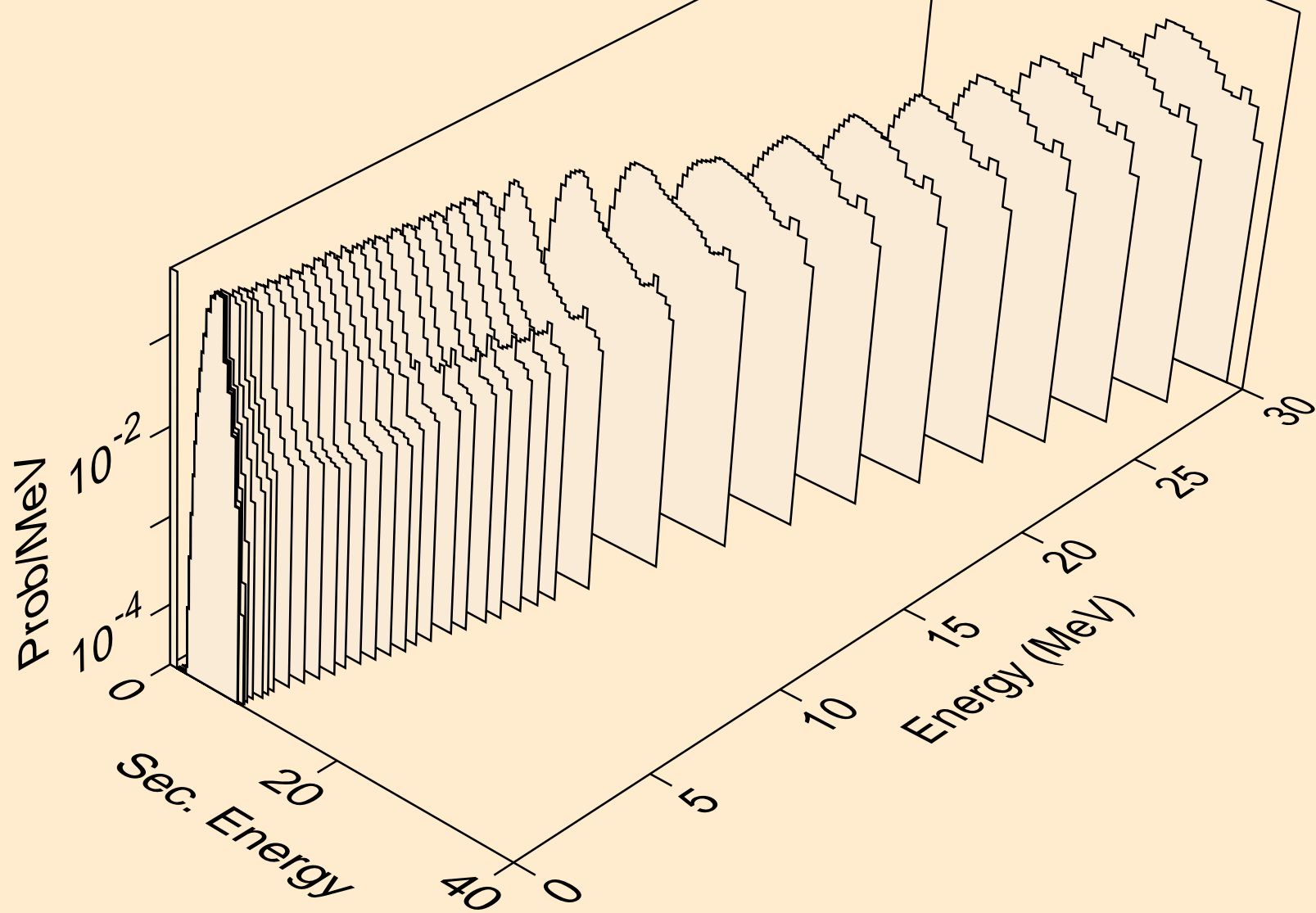


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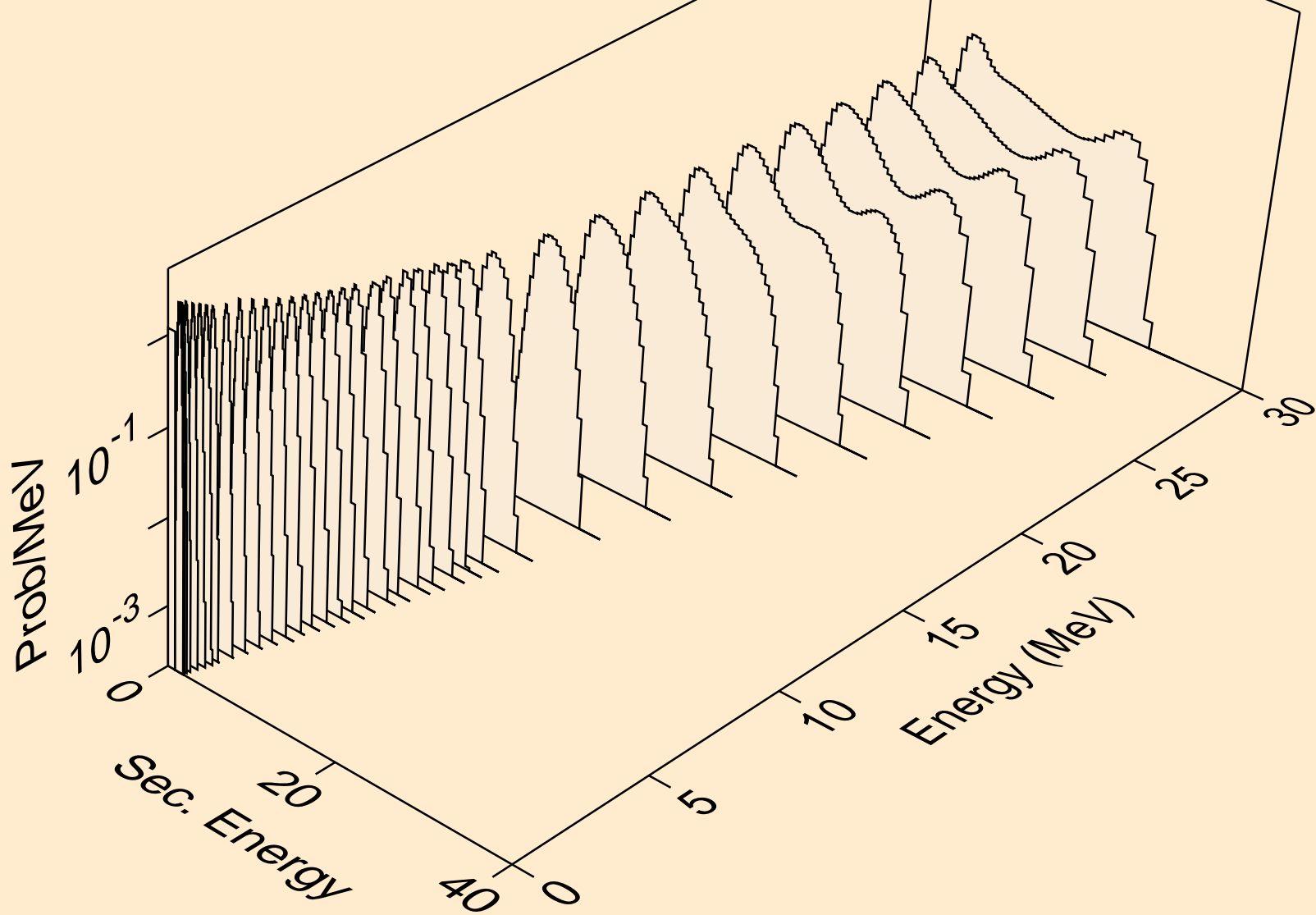




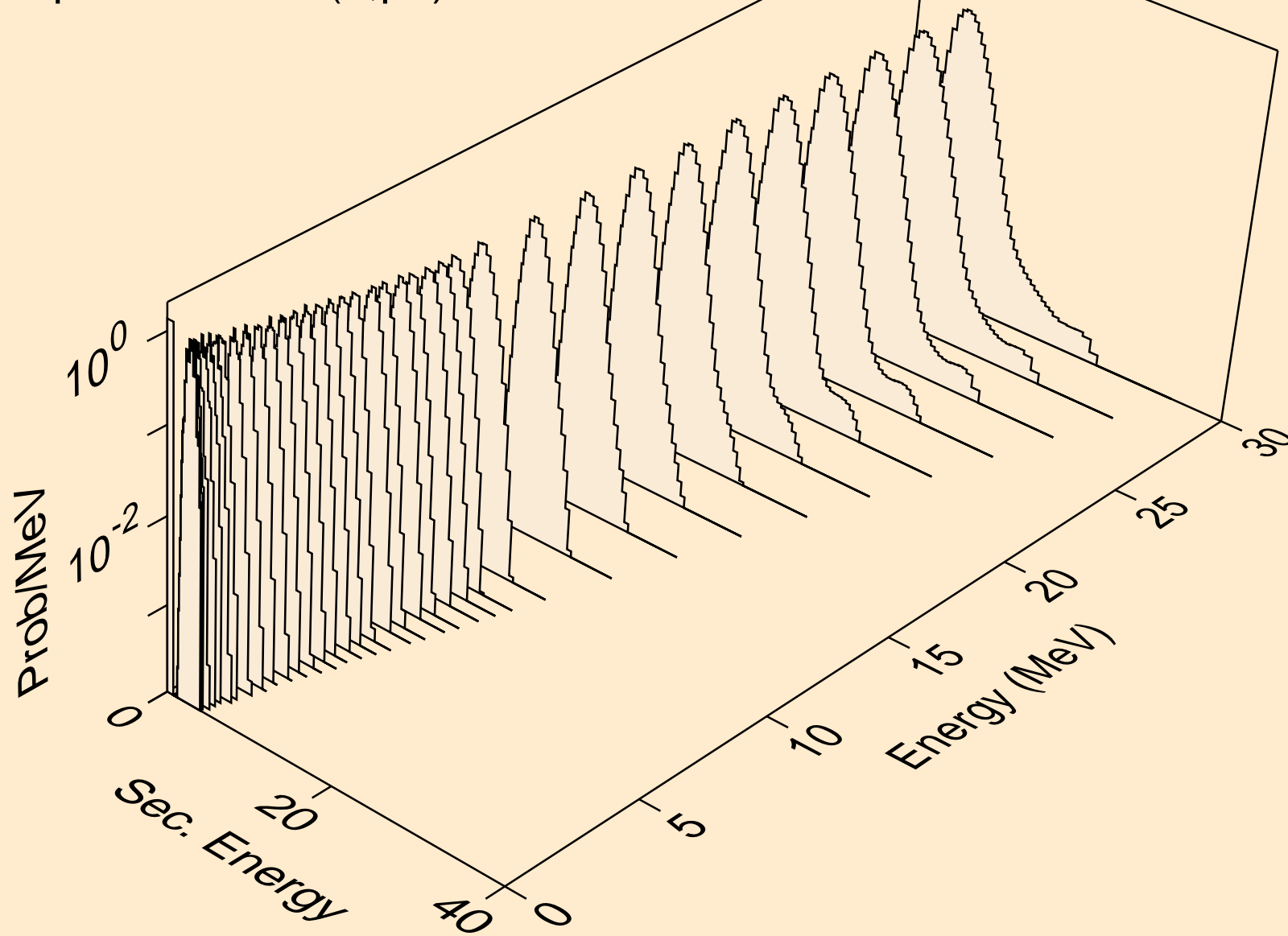
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protons from (n,p)



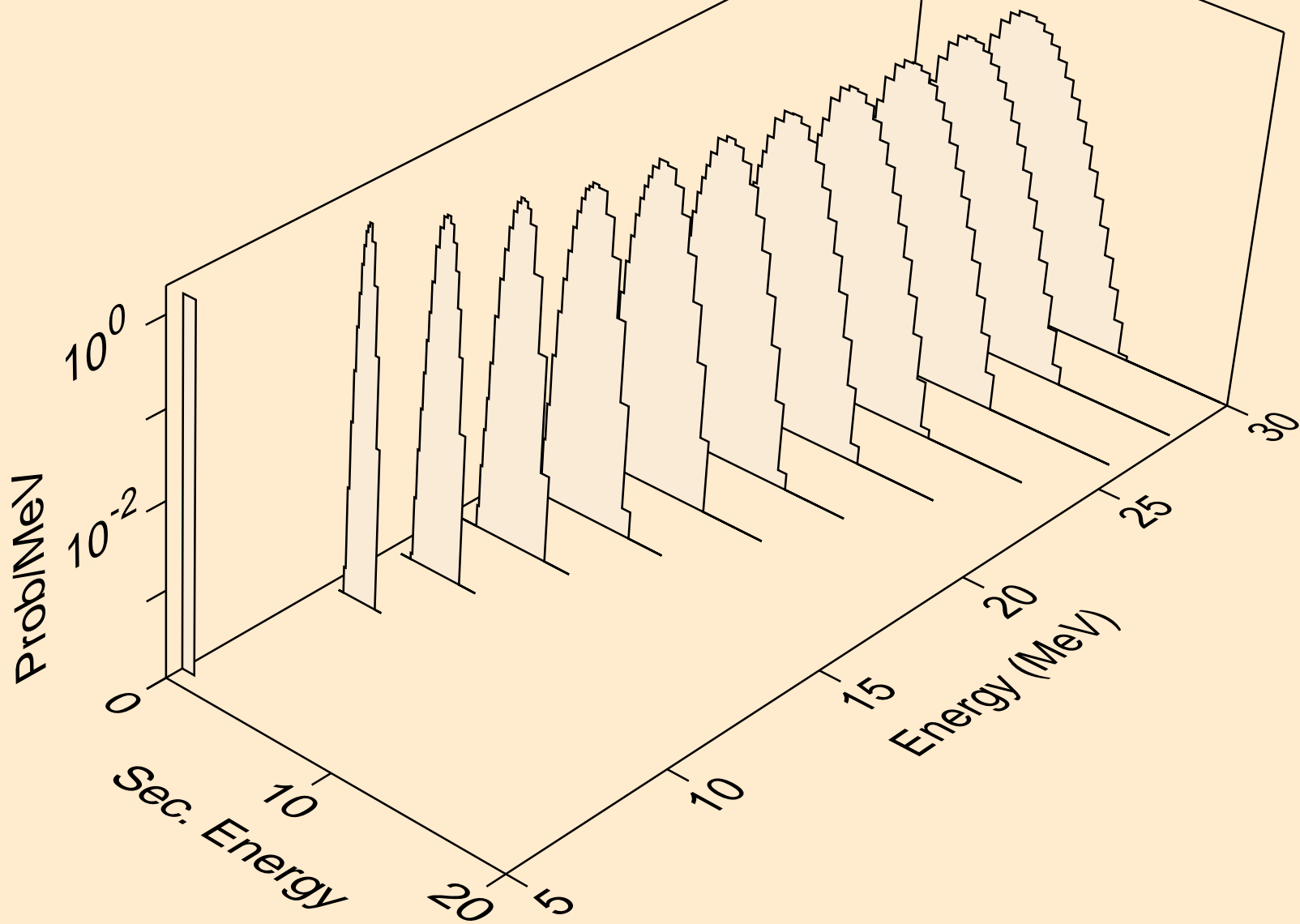
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protons from (n,2p)



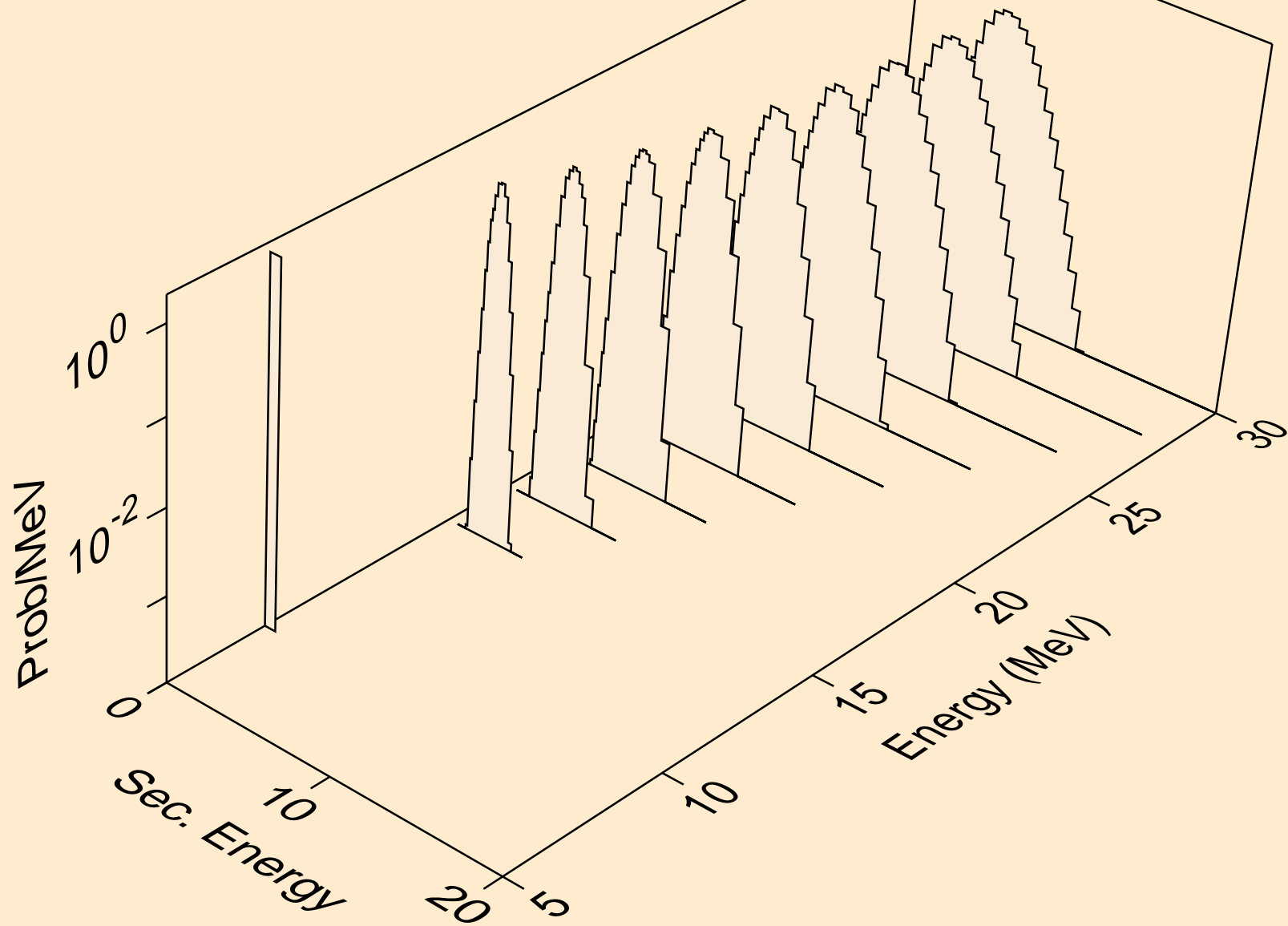
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protons from (n,p)



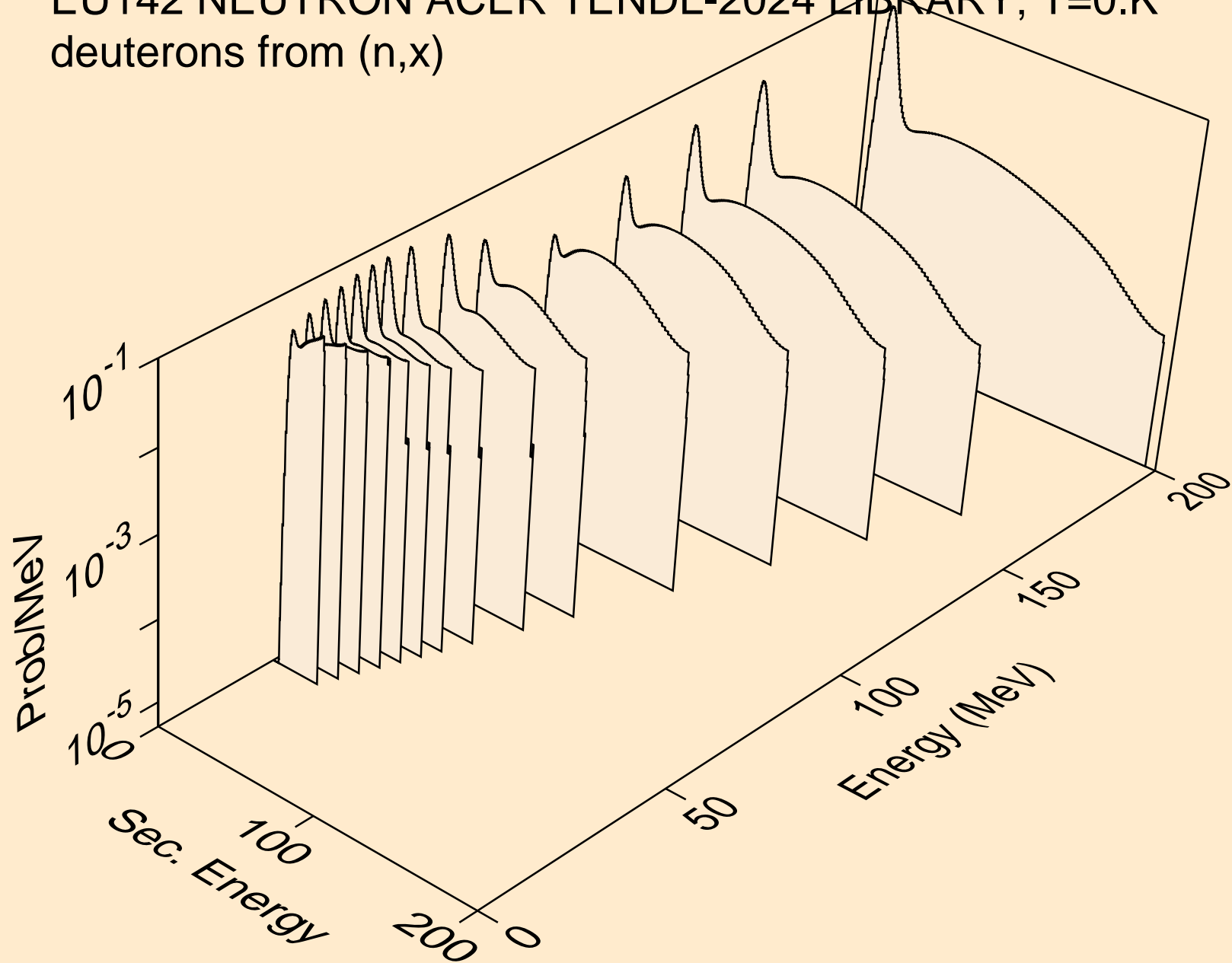
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



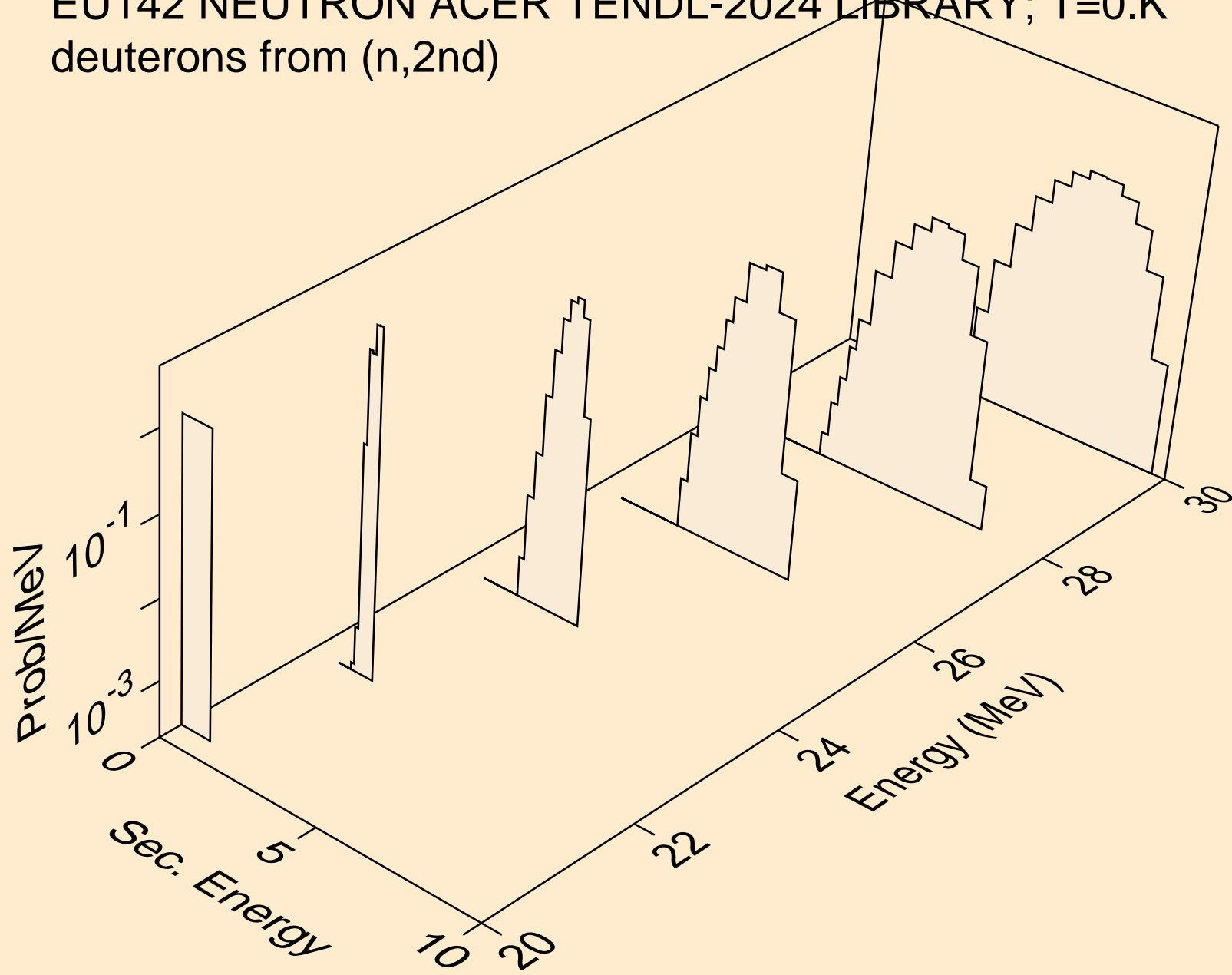
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)



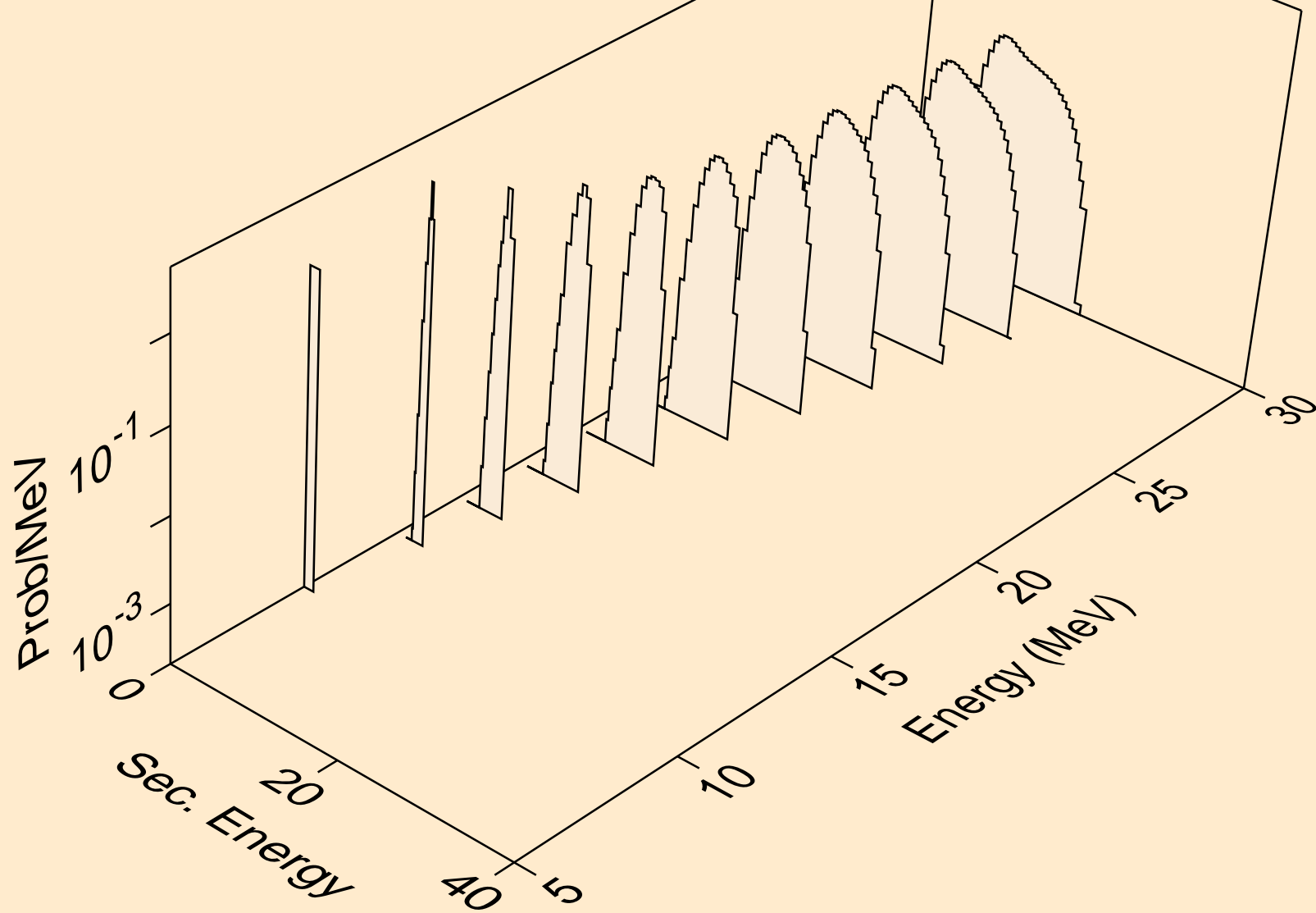
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,2nd)

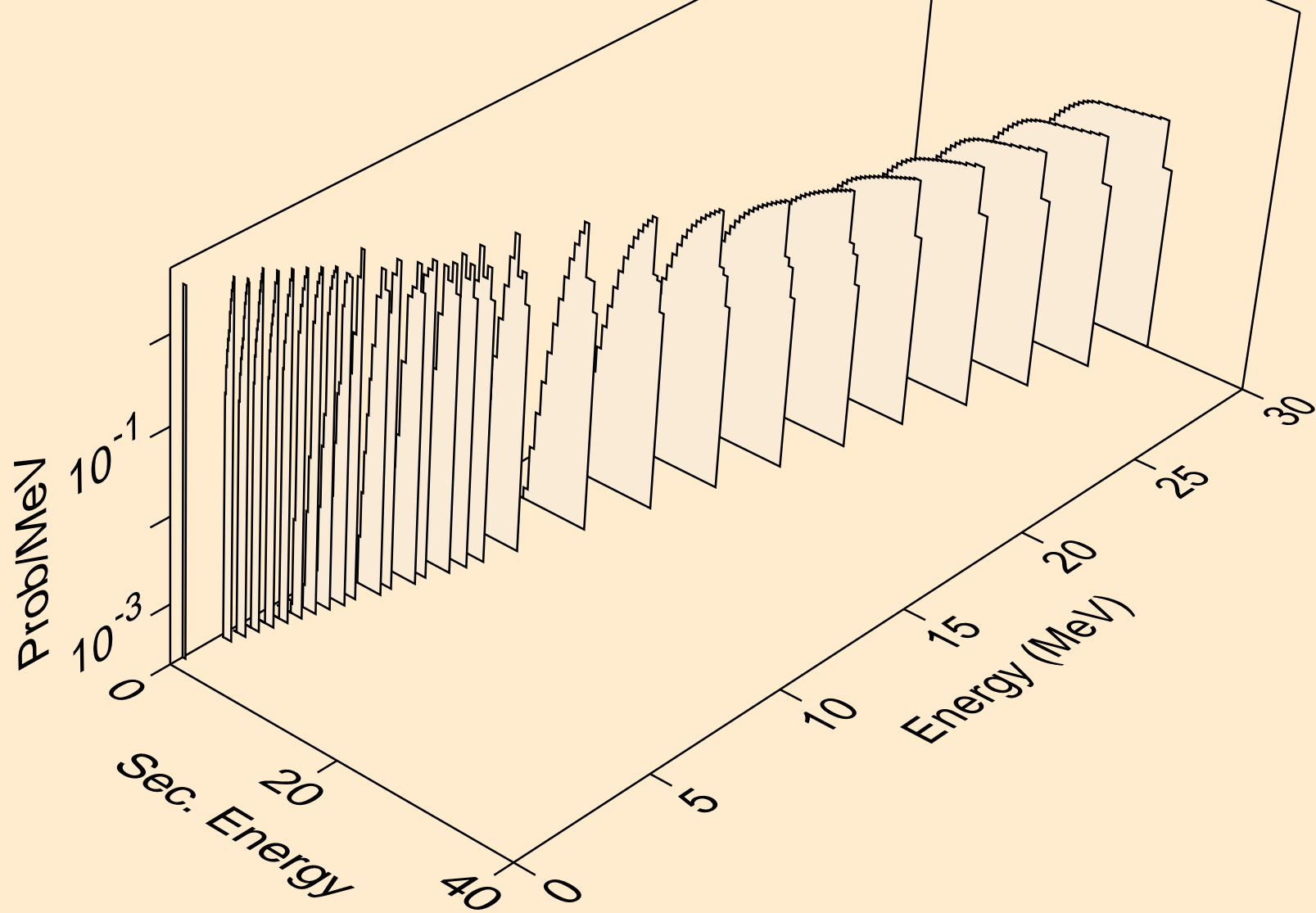


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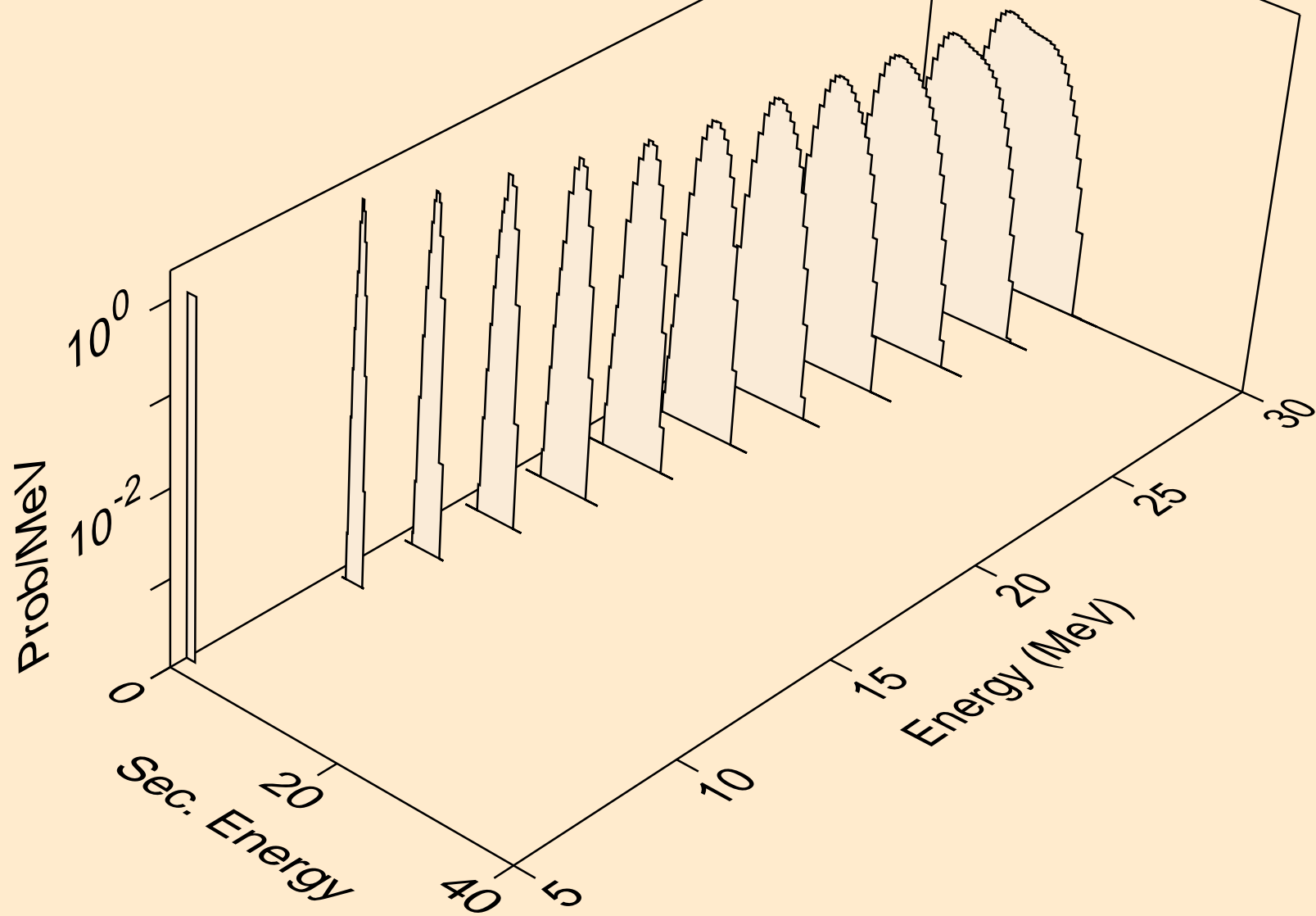




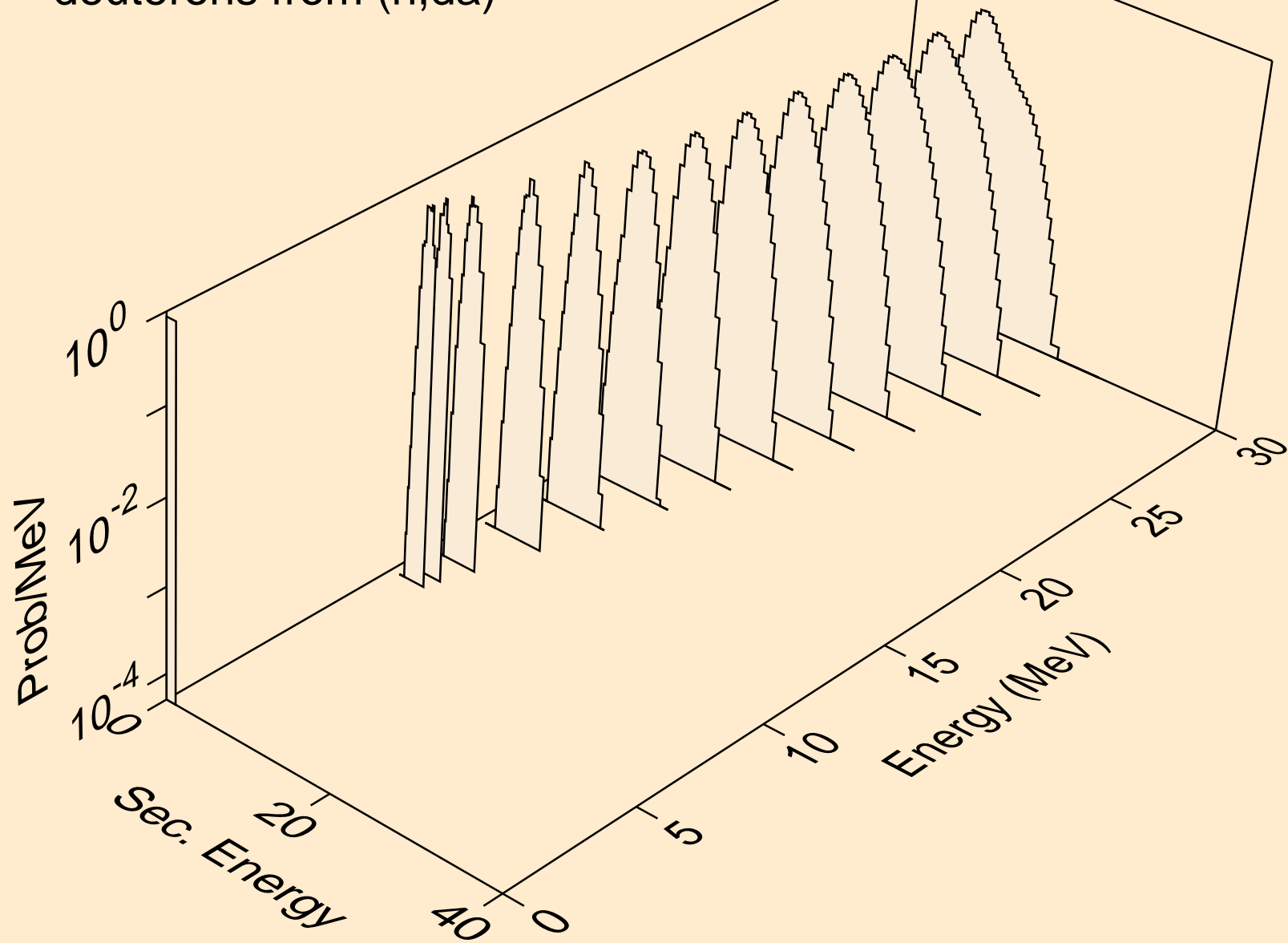
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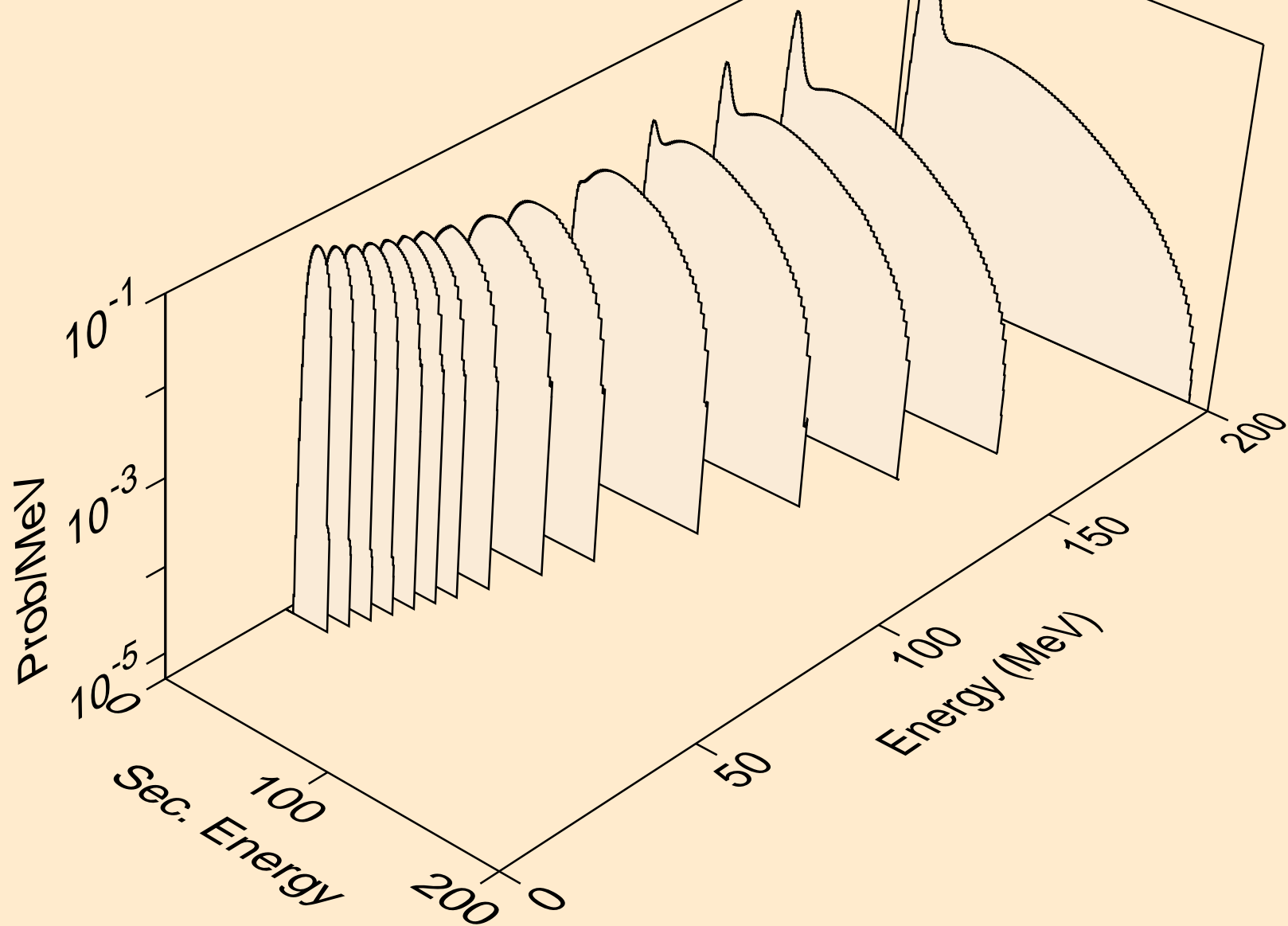
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,pd)



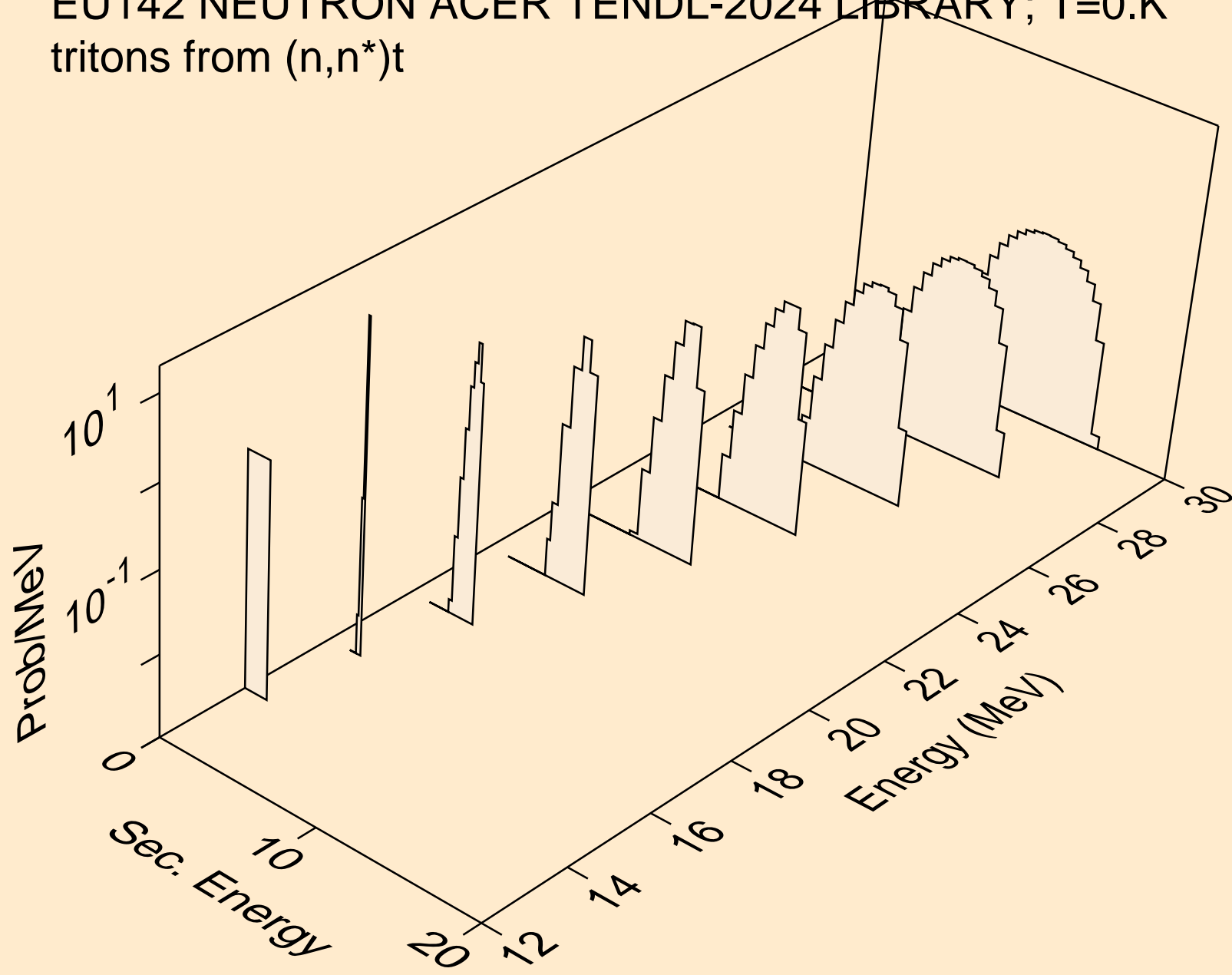
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deuterons from (n,da)



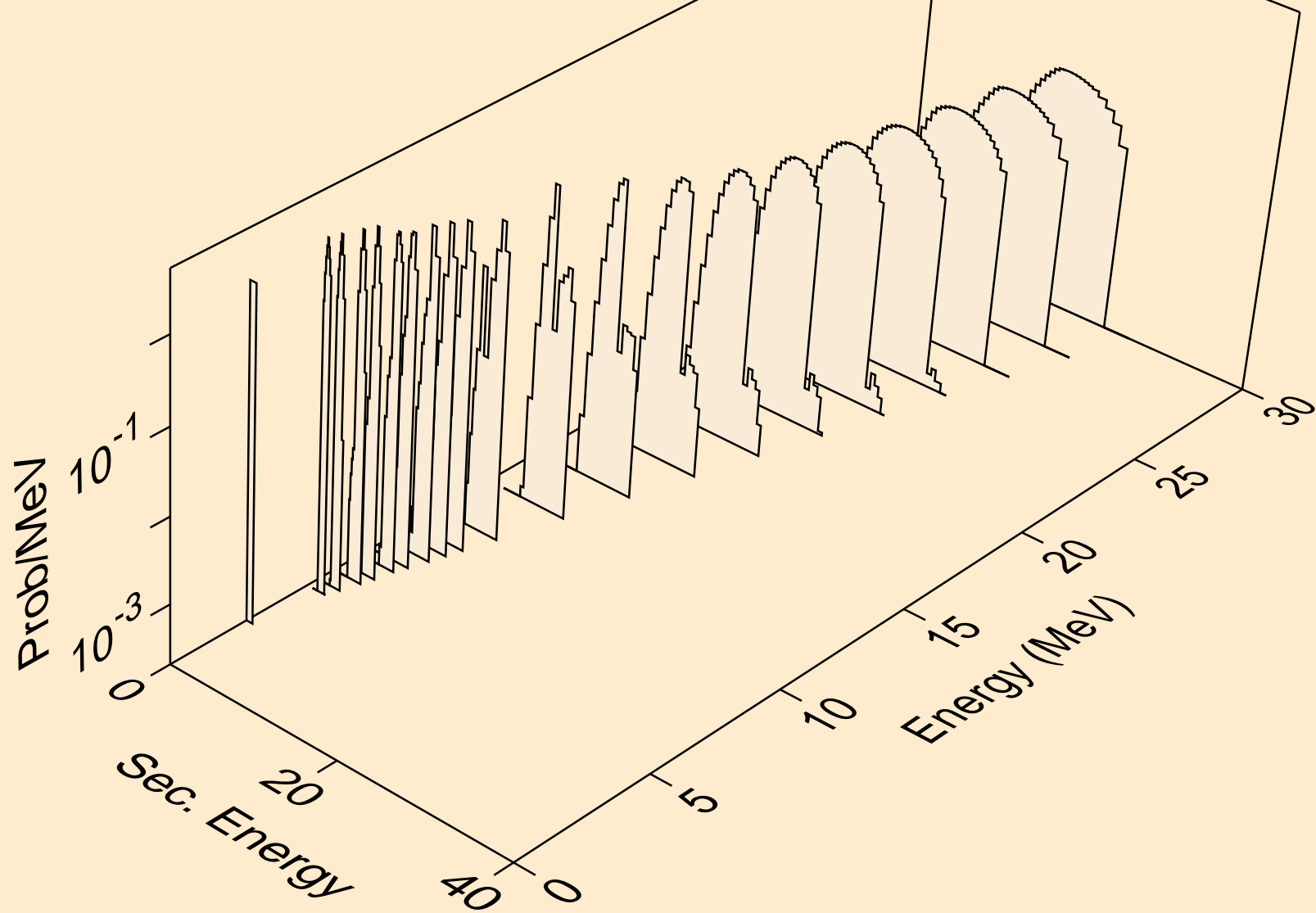
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)



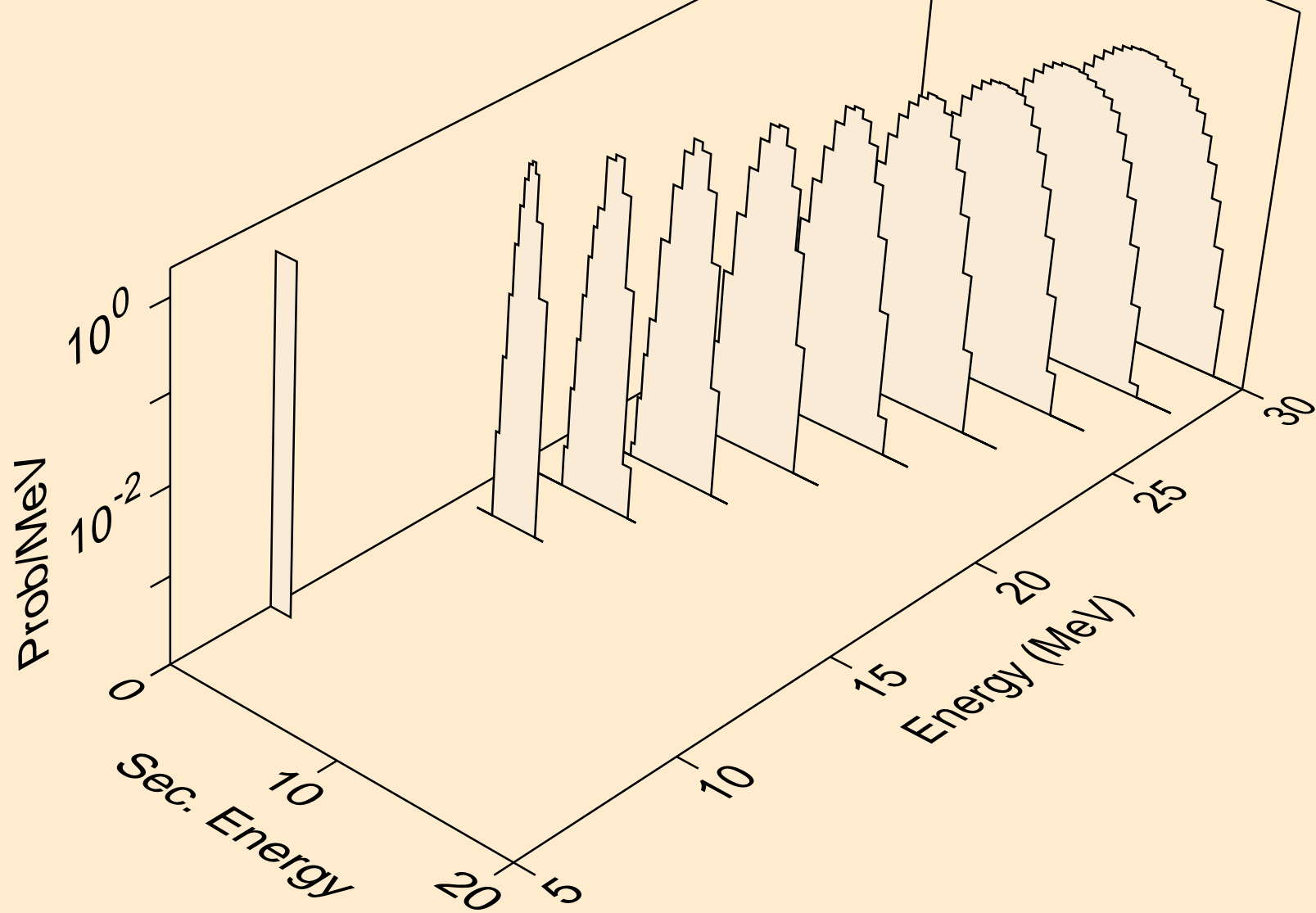
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t



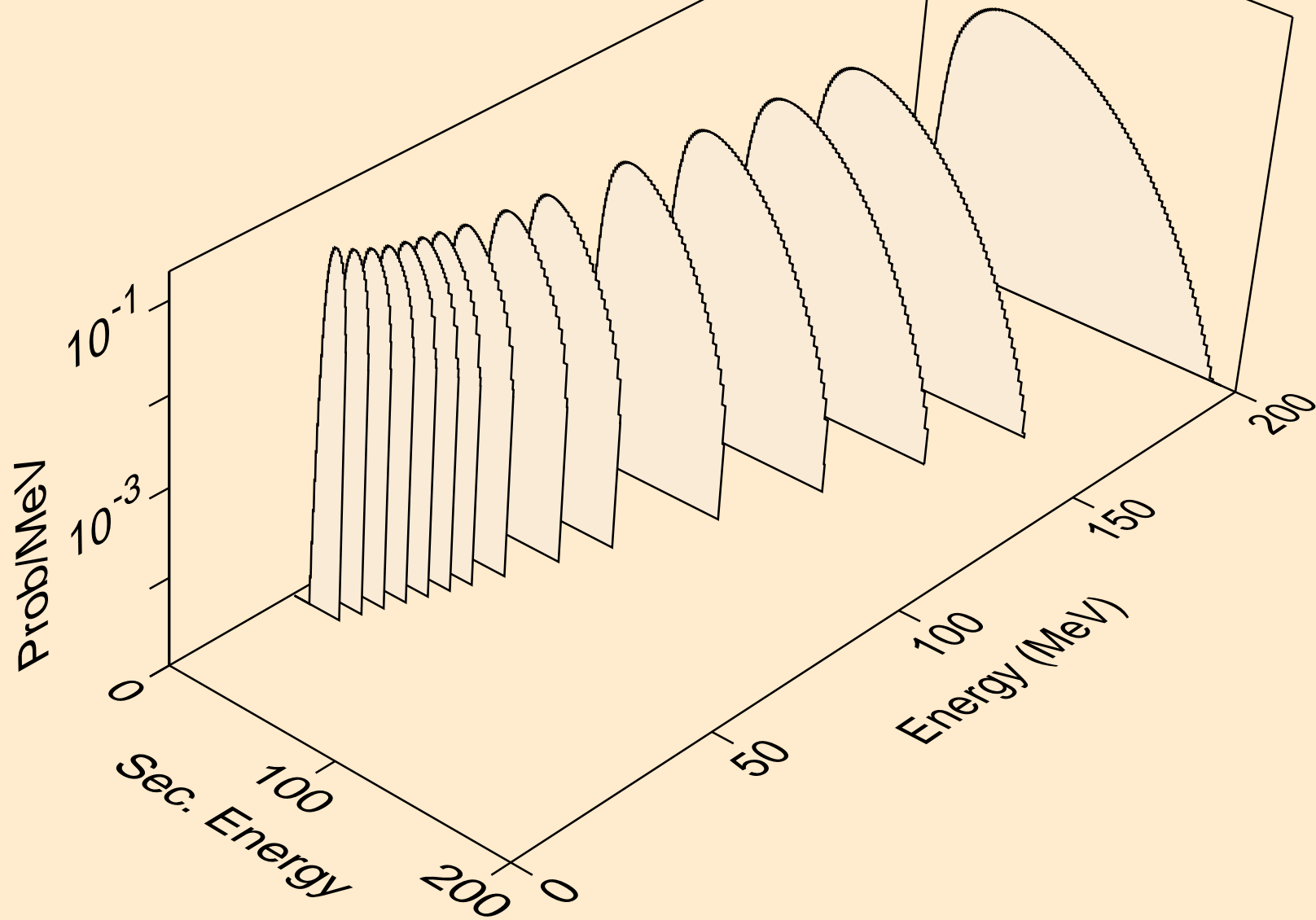
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,t)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,pt)

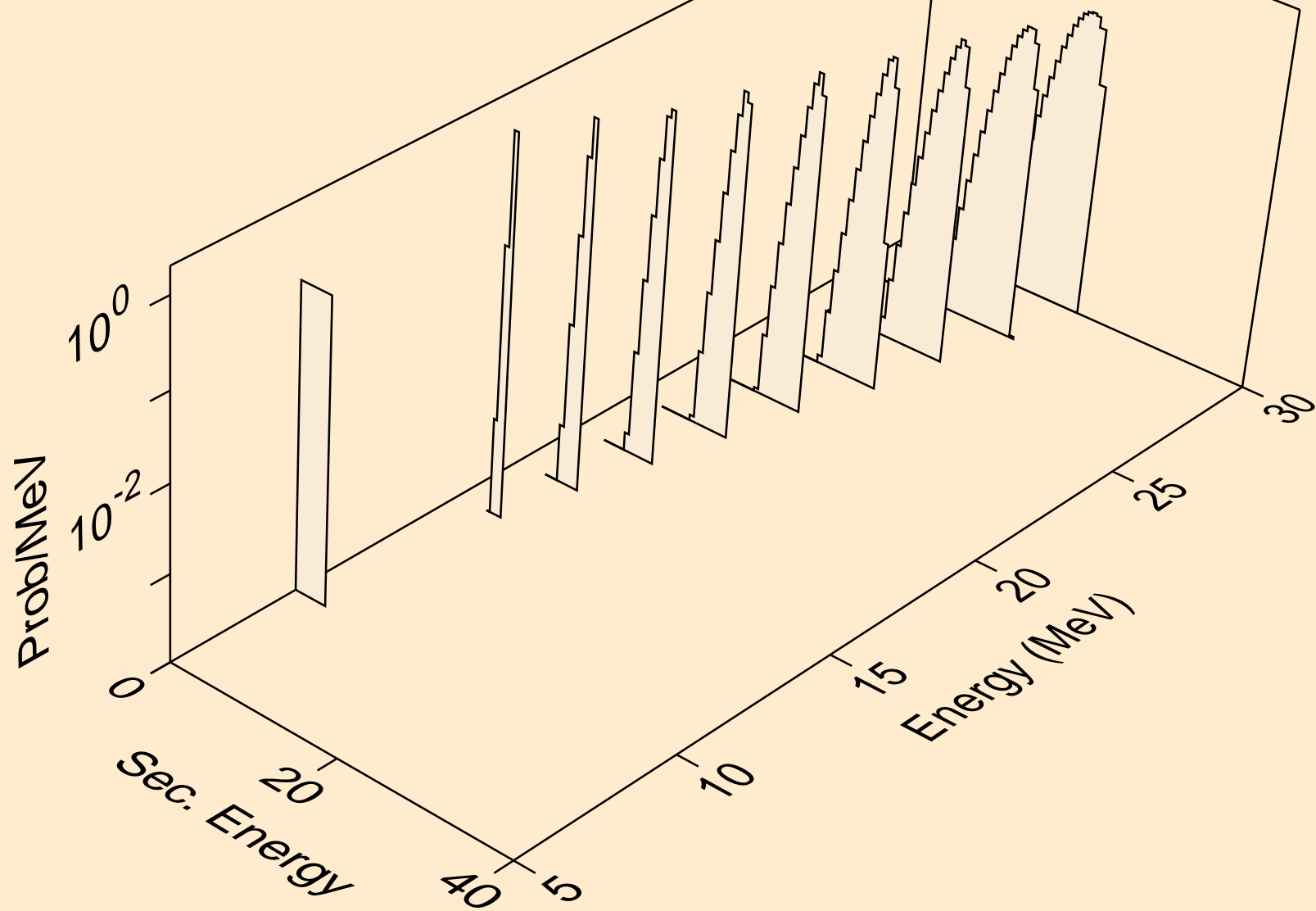


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,x)

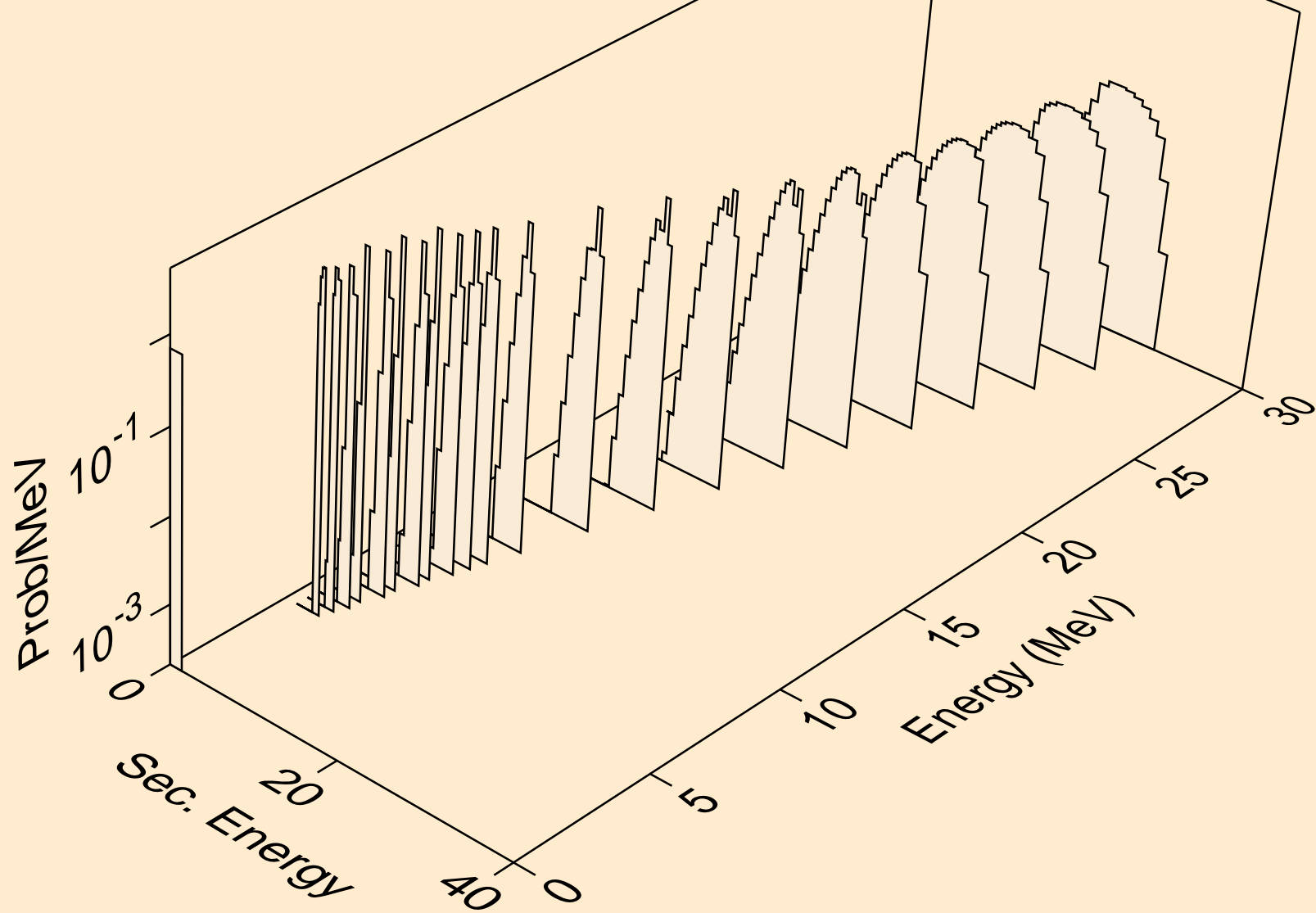




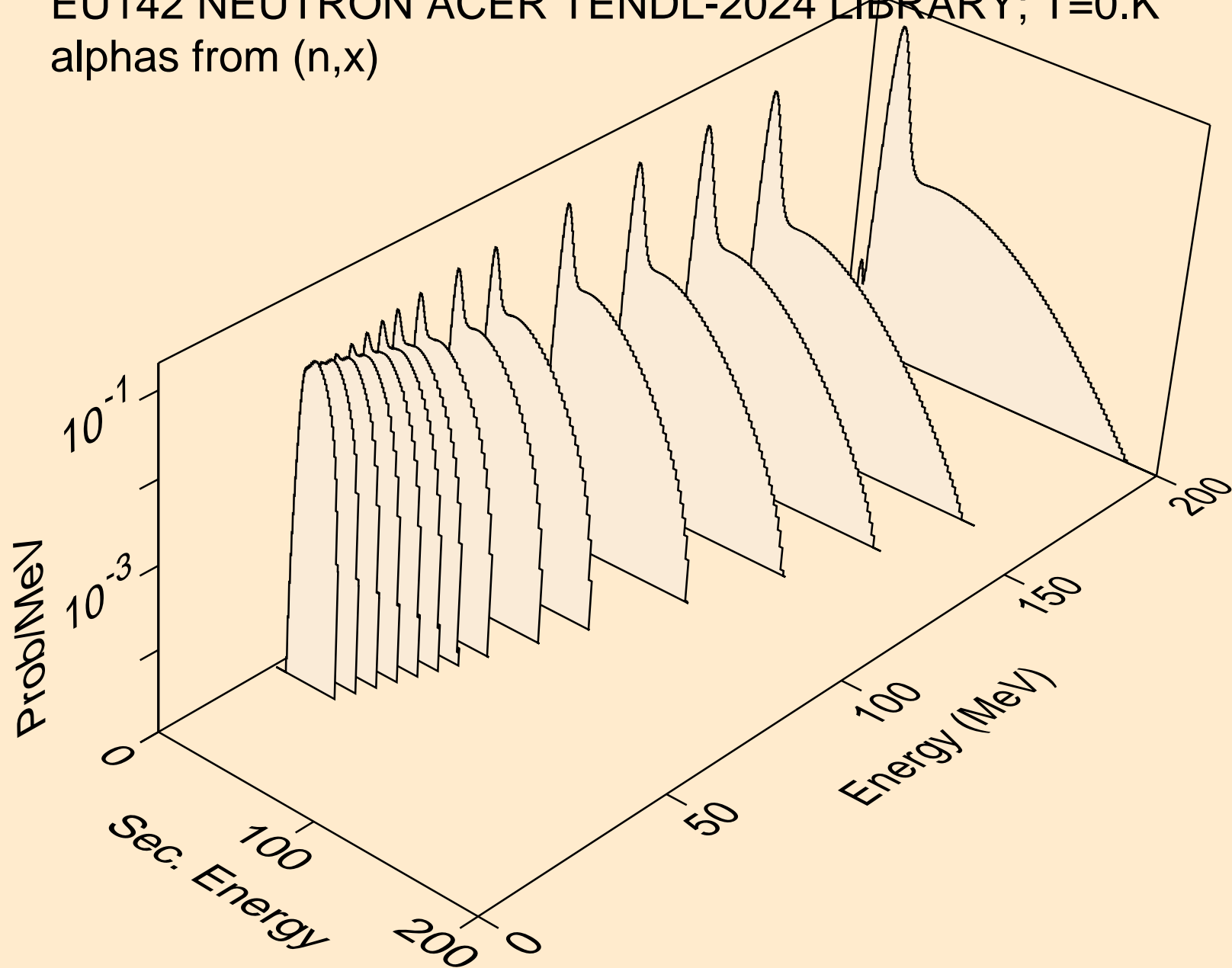
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



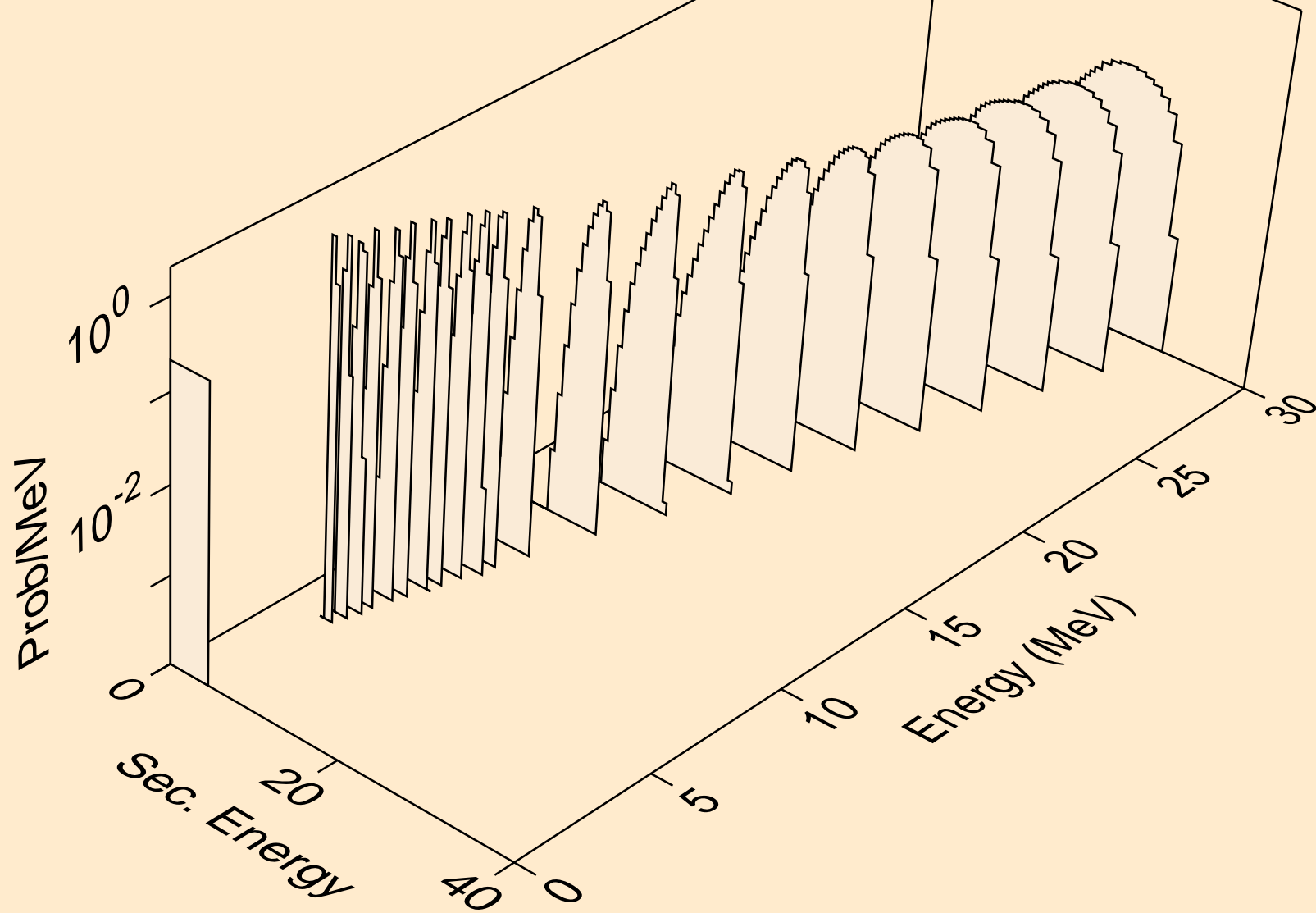
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he3s from (n,he3)



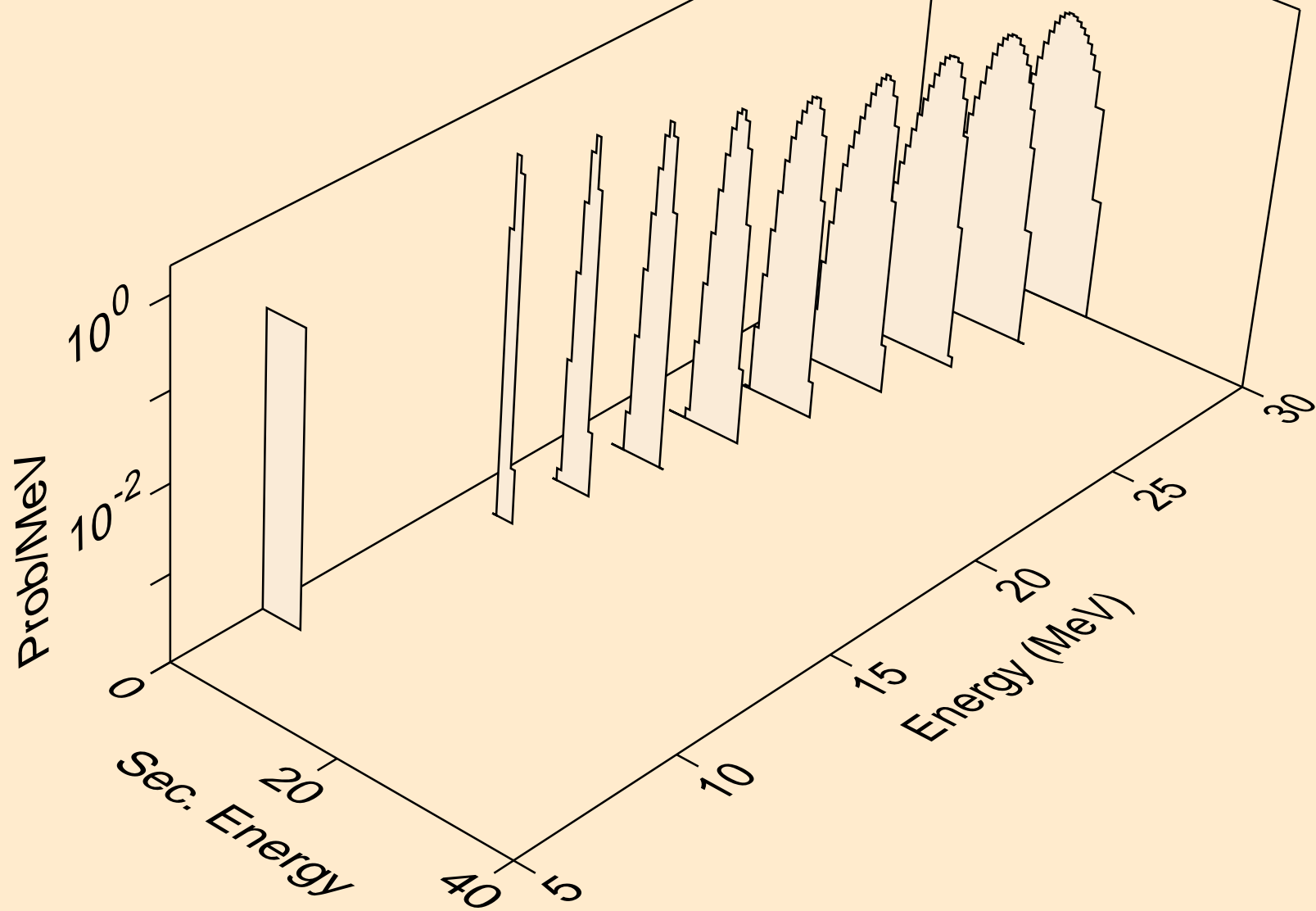
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)



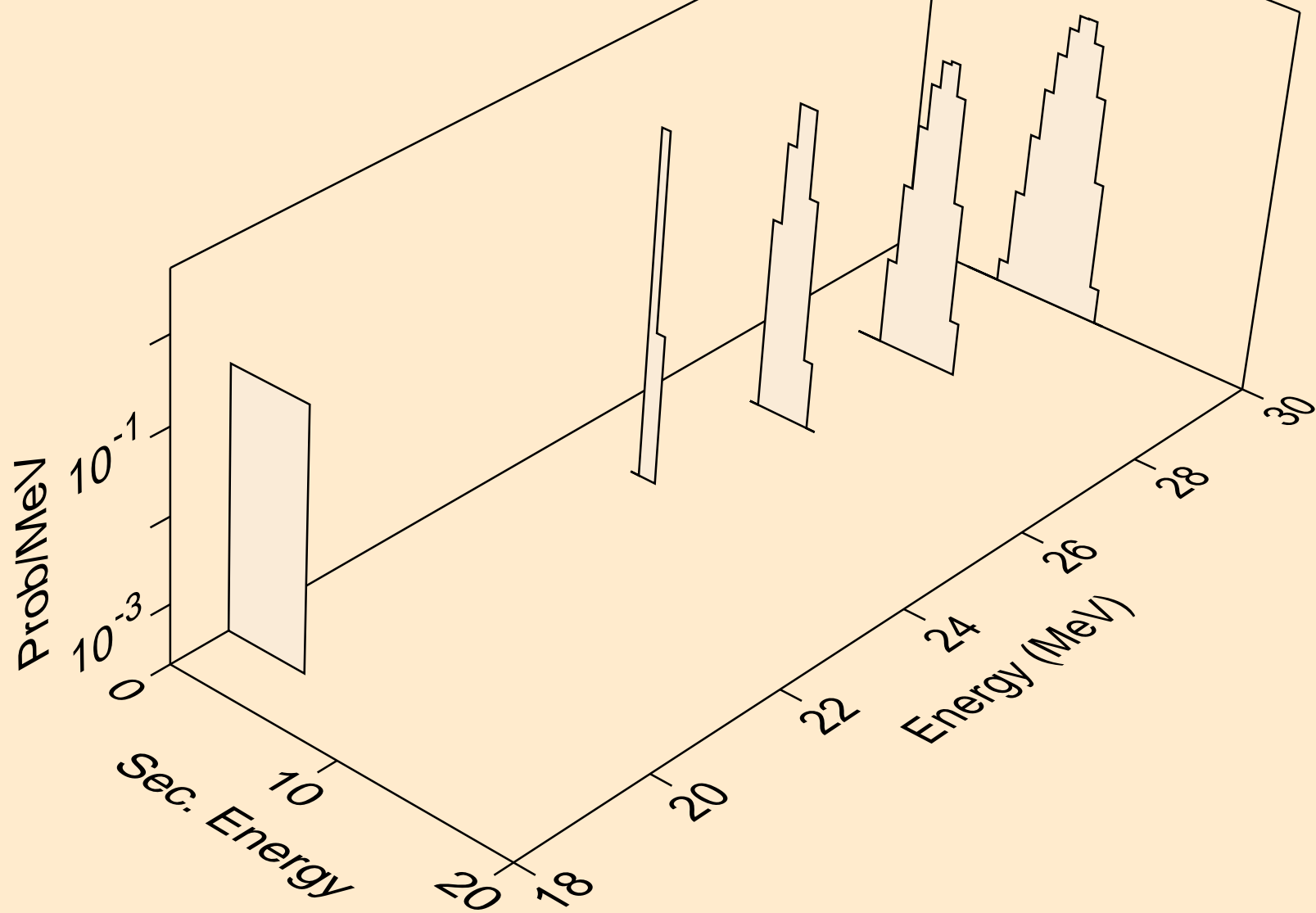
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alphas from (n,n\*)a



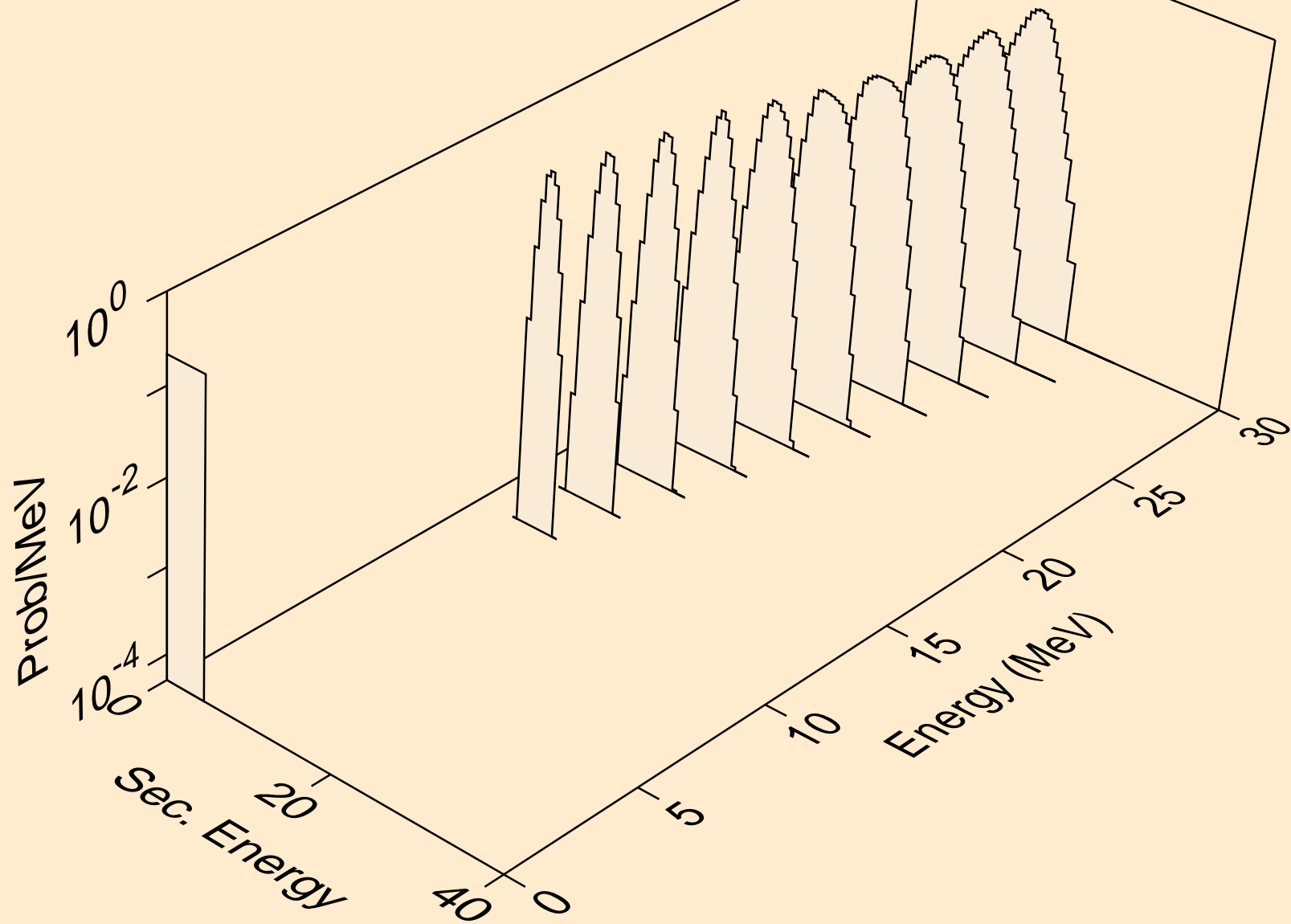
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)a



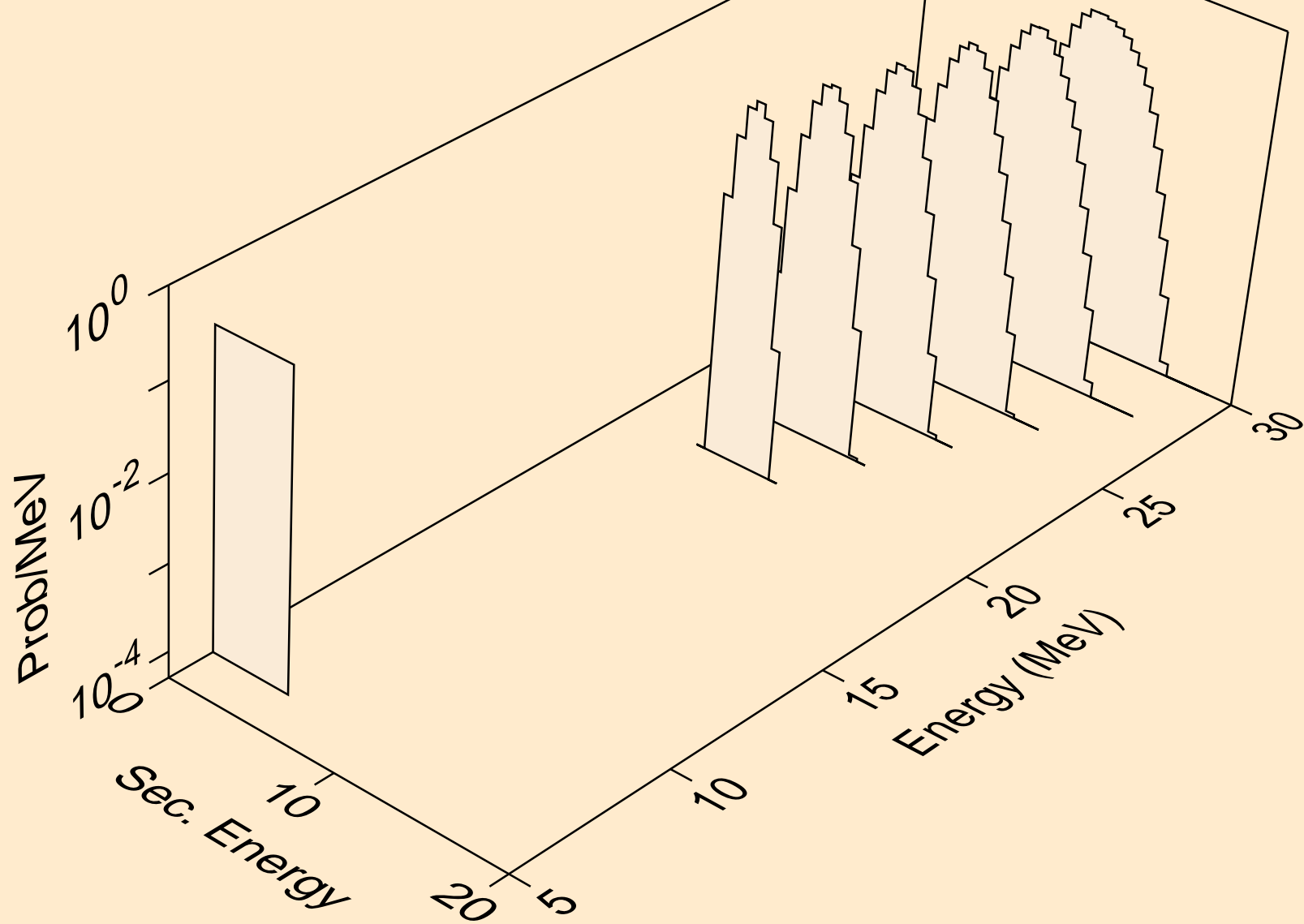
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3n)a



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)2a

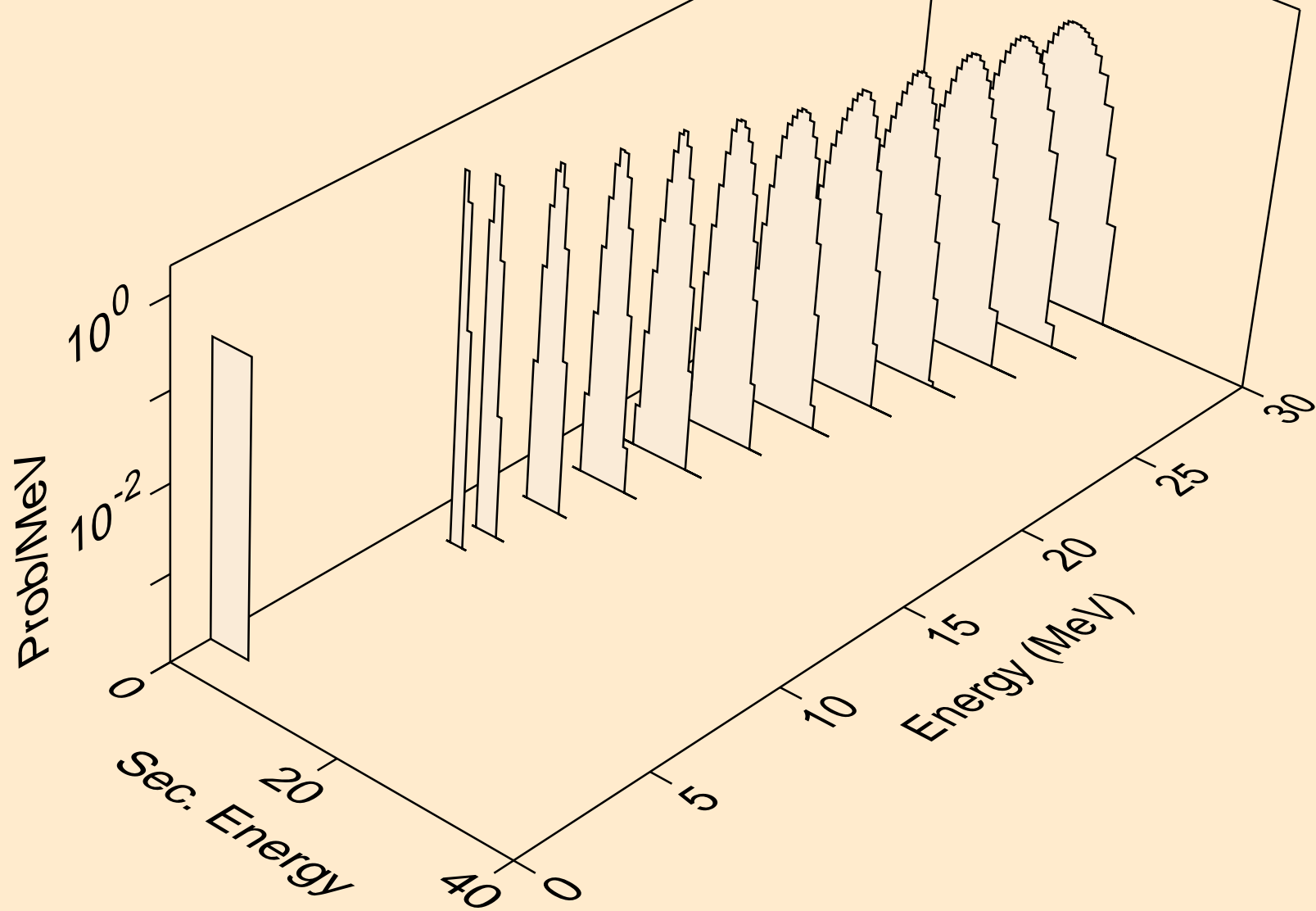


EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2n)2a

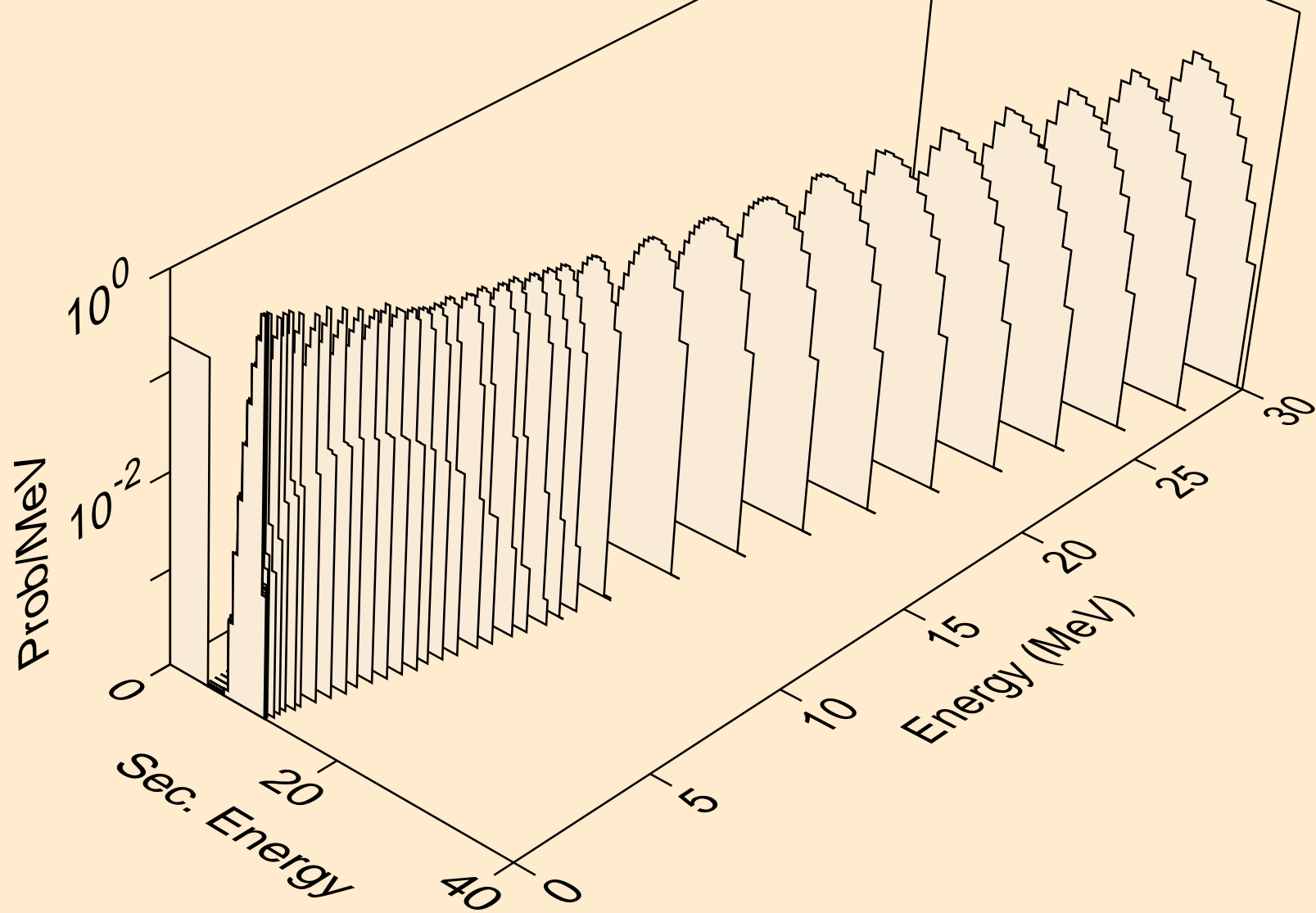




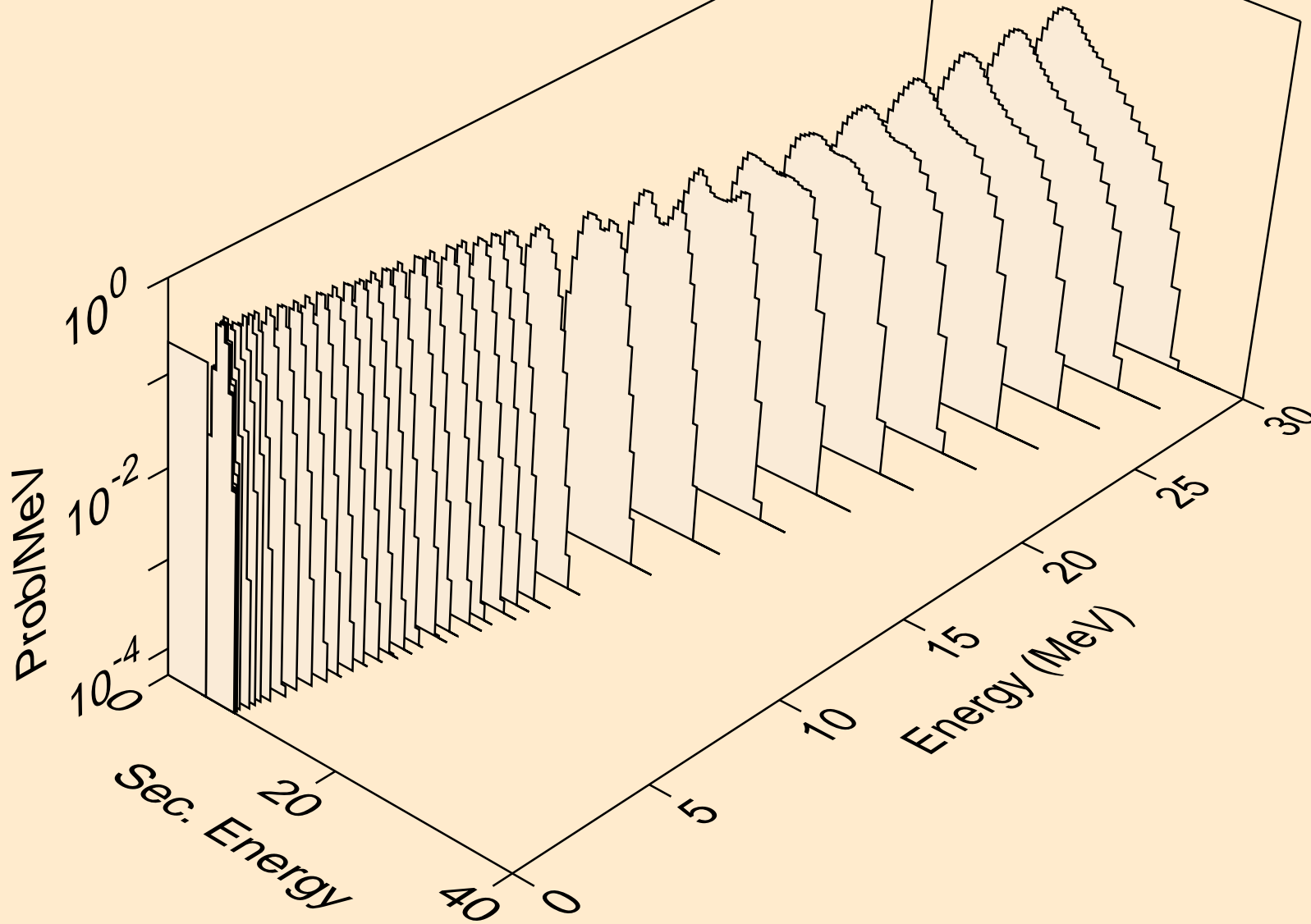
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



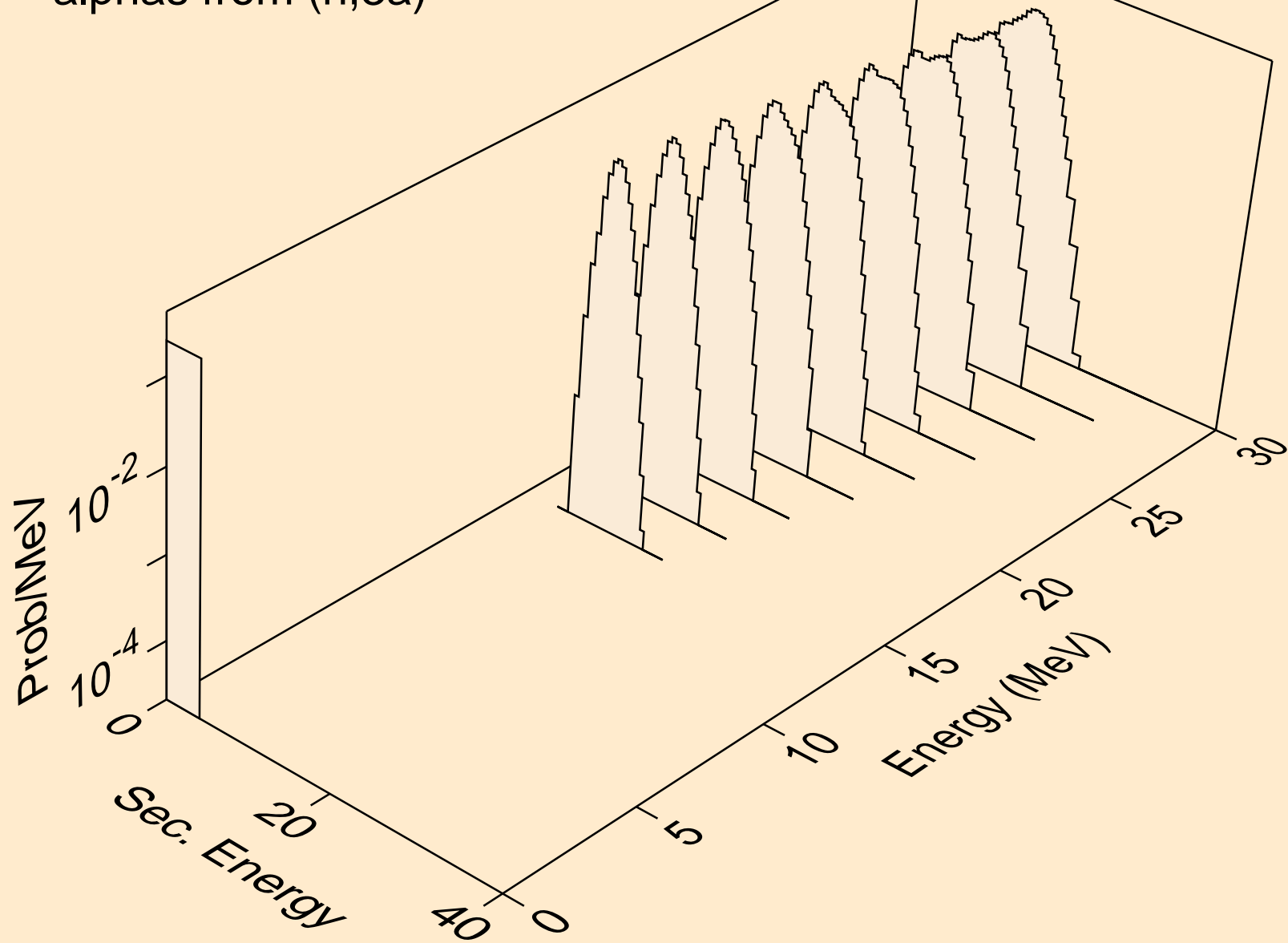
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)



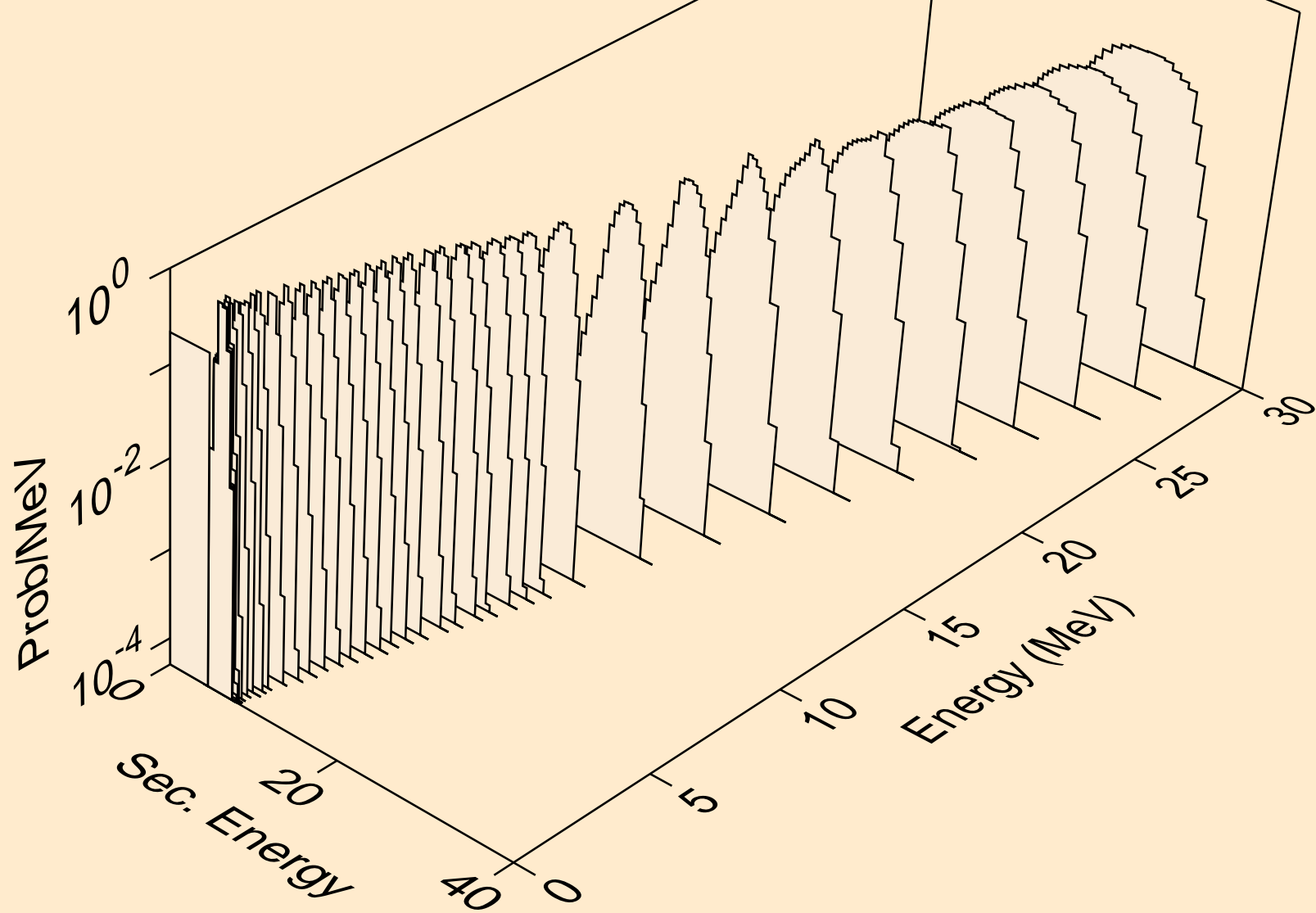
EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,2a)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,p)



EU142 NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

