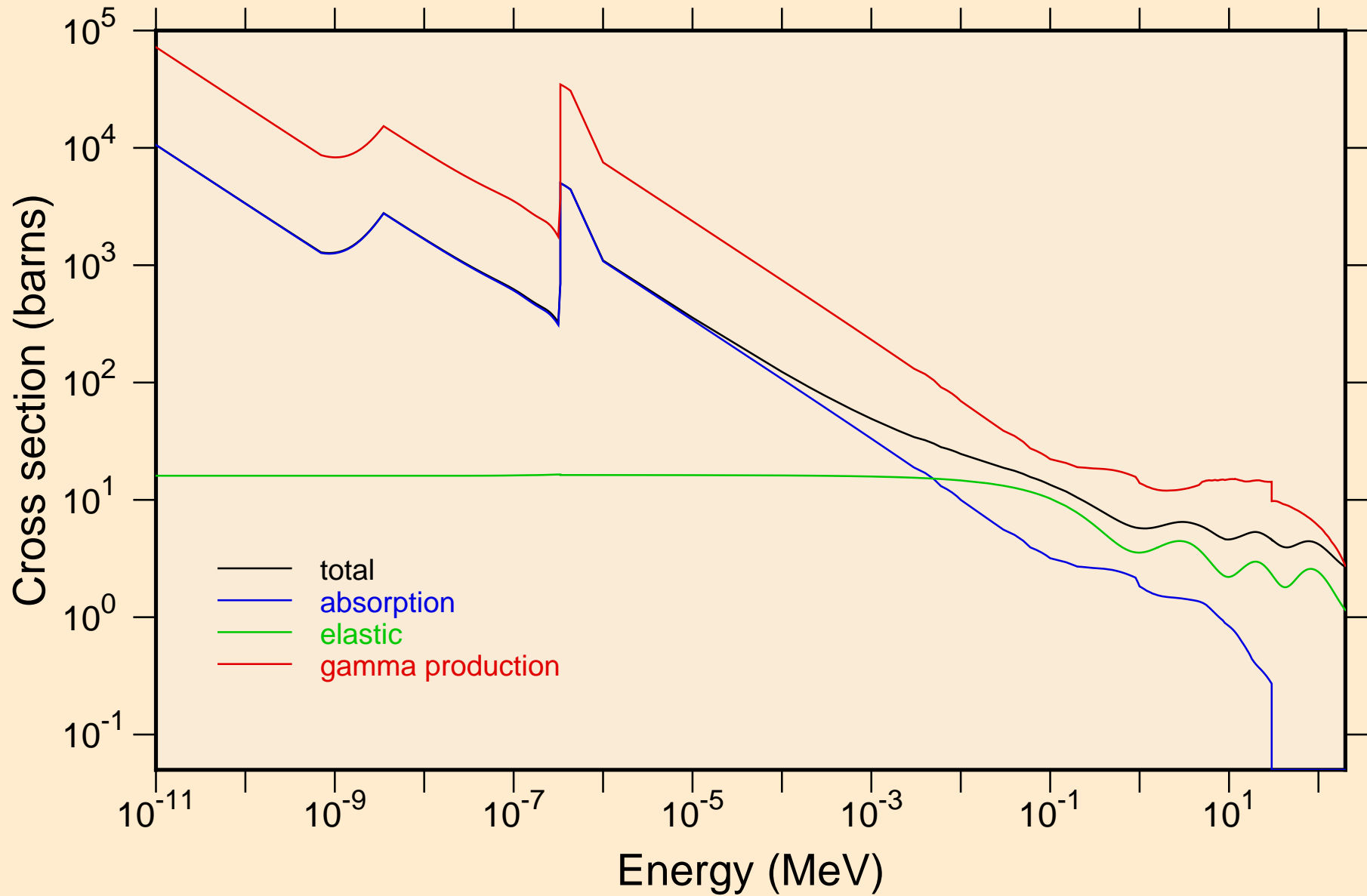


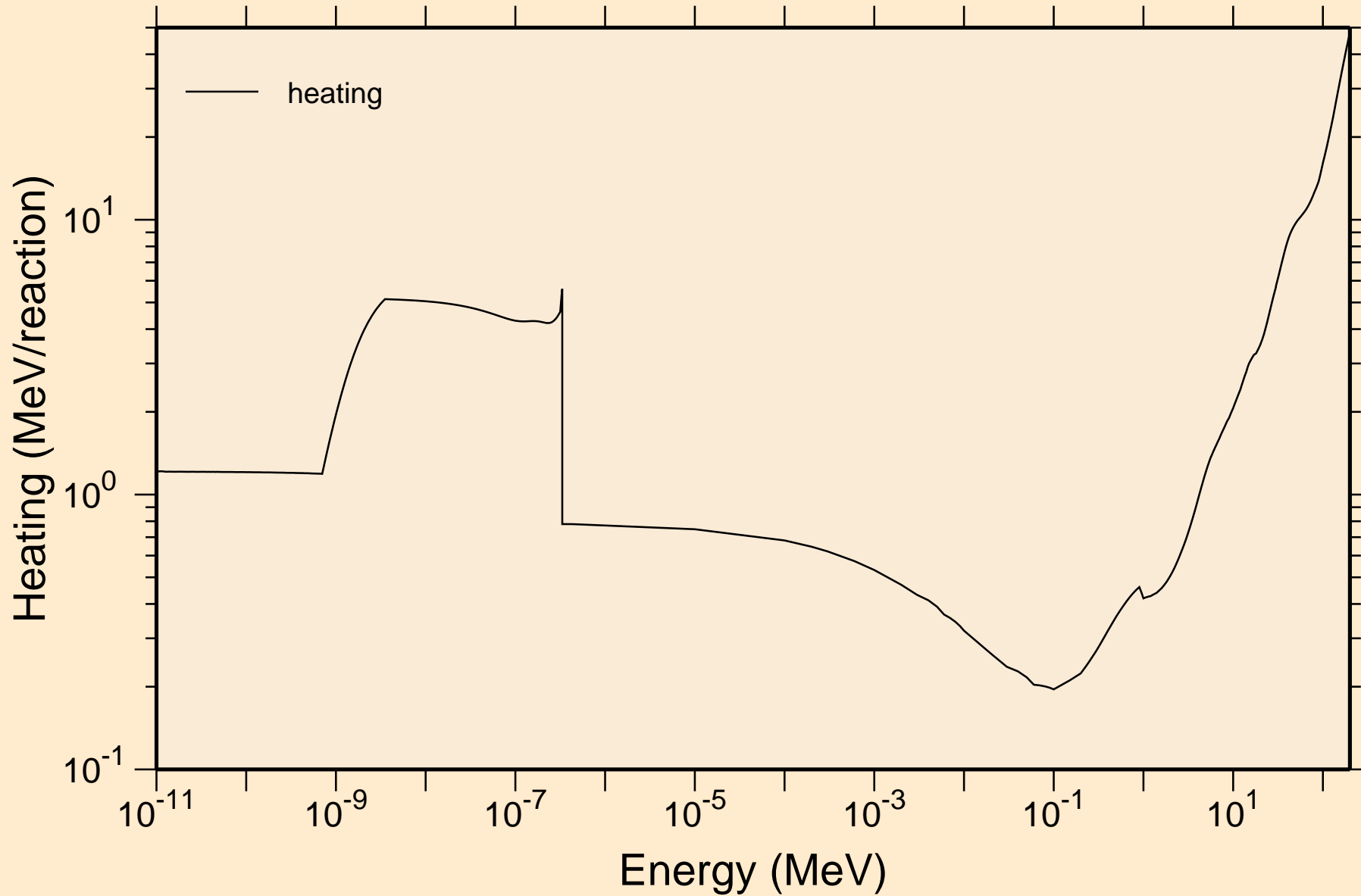
# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



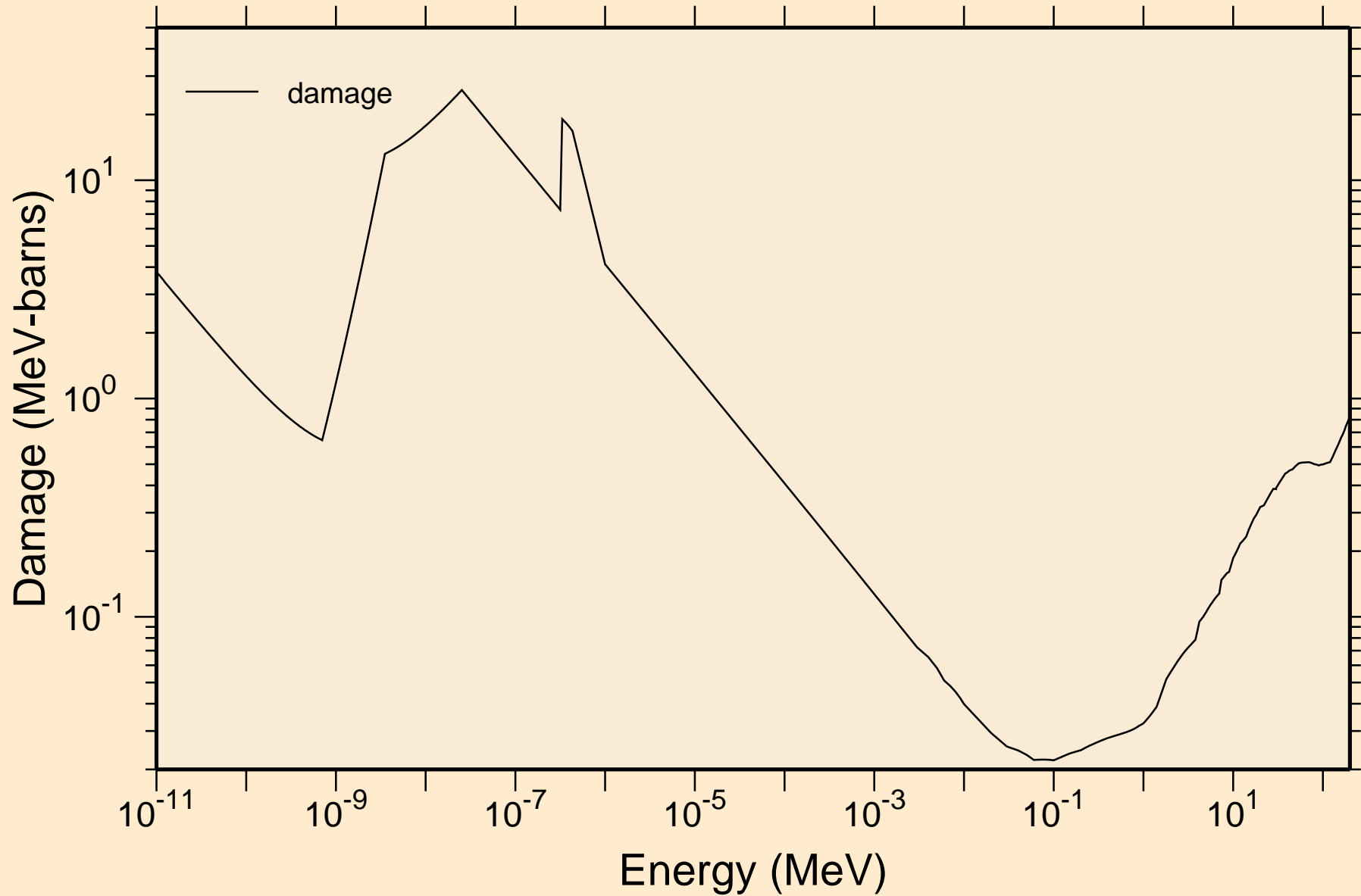
# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

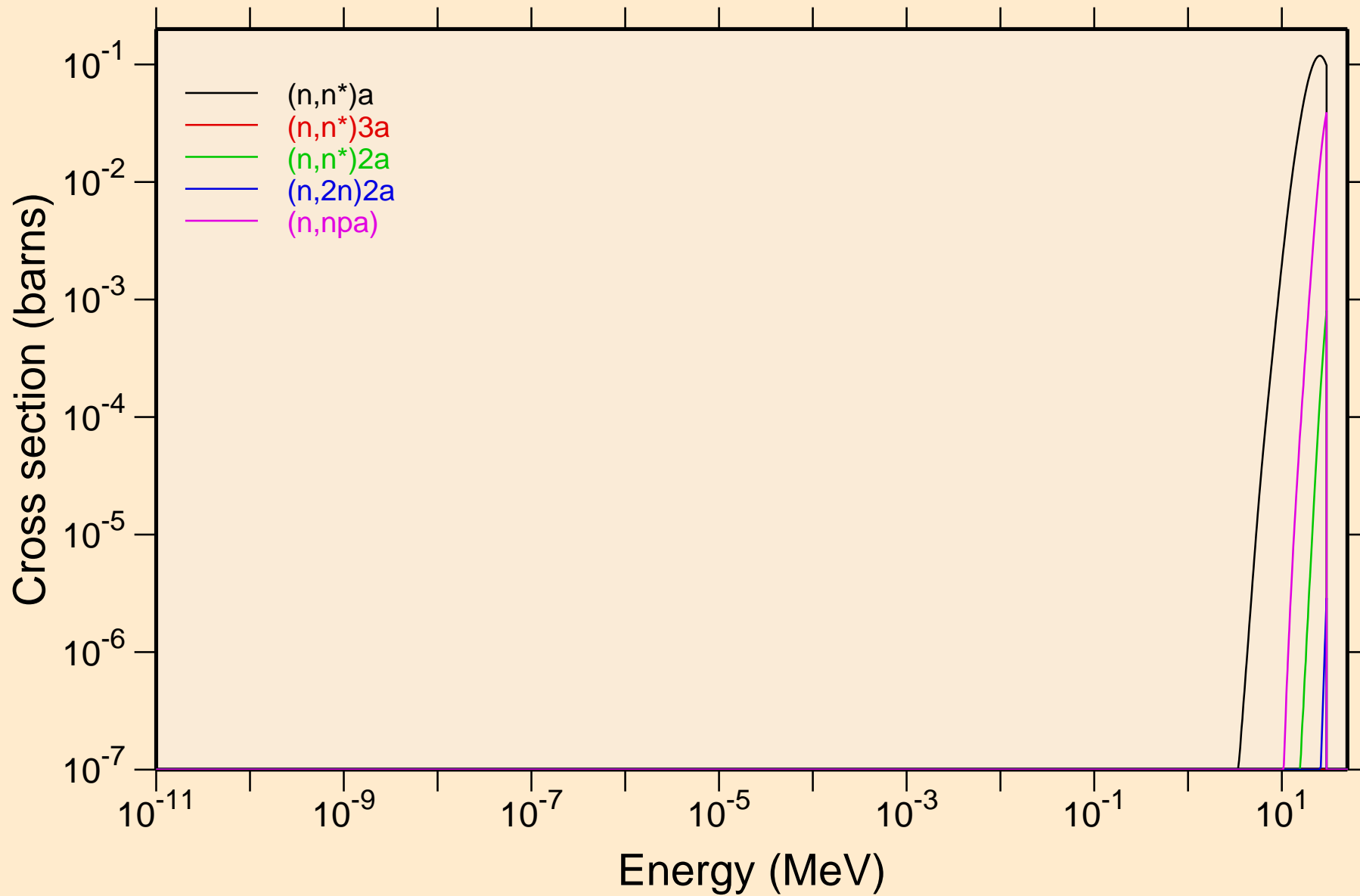


# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

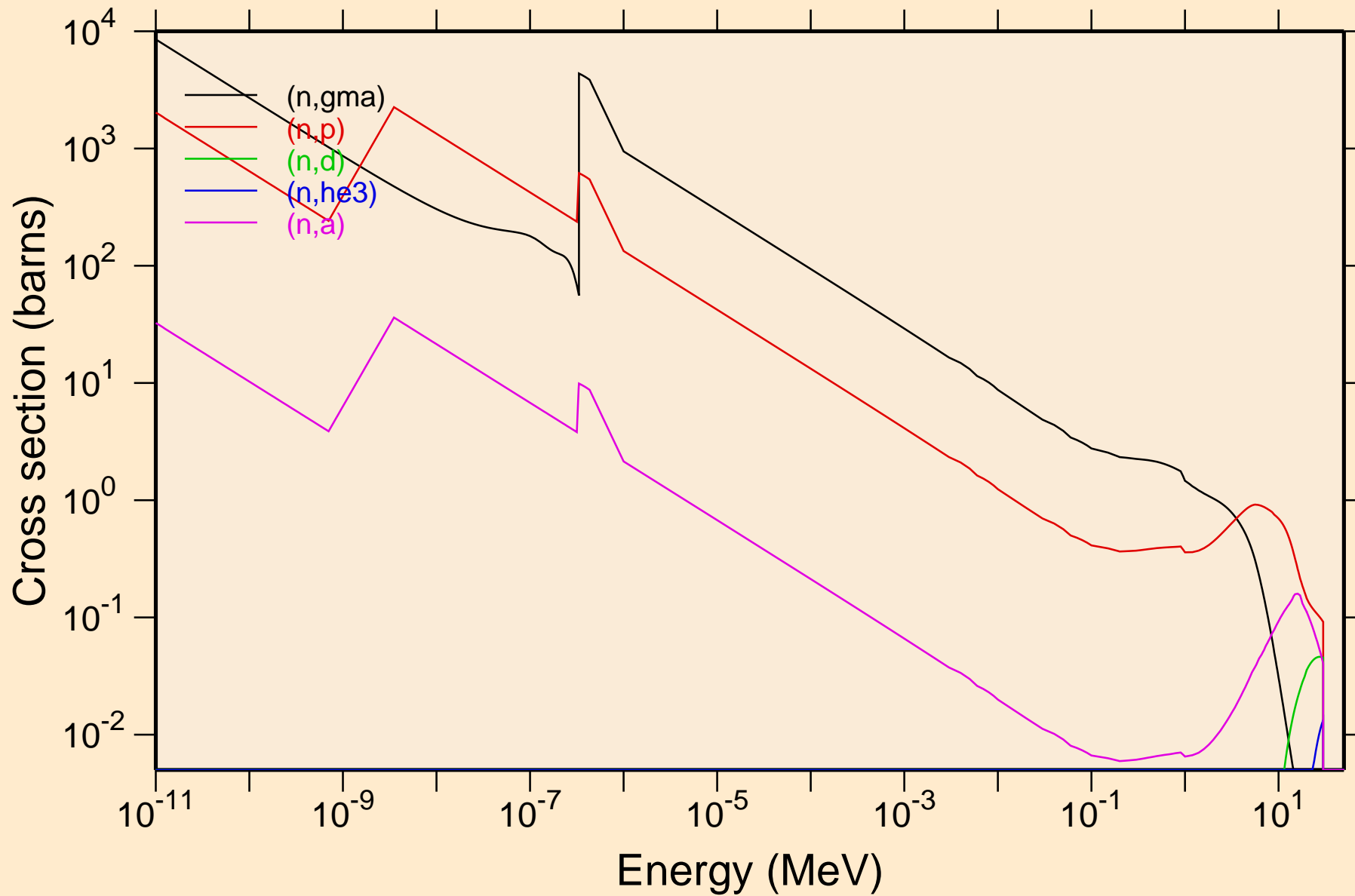
## Damage



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

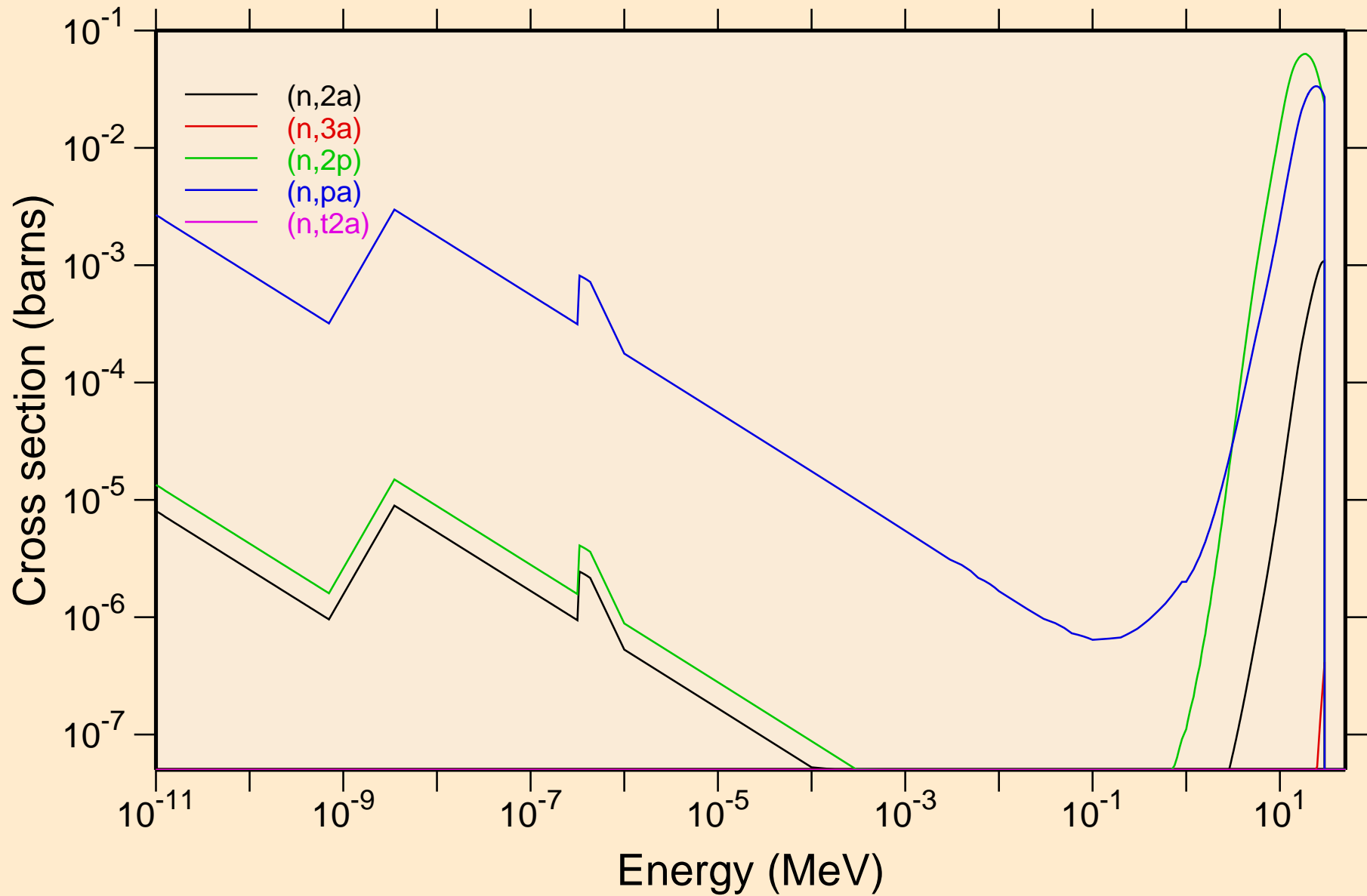


IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

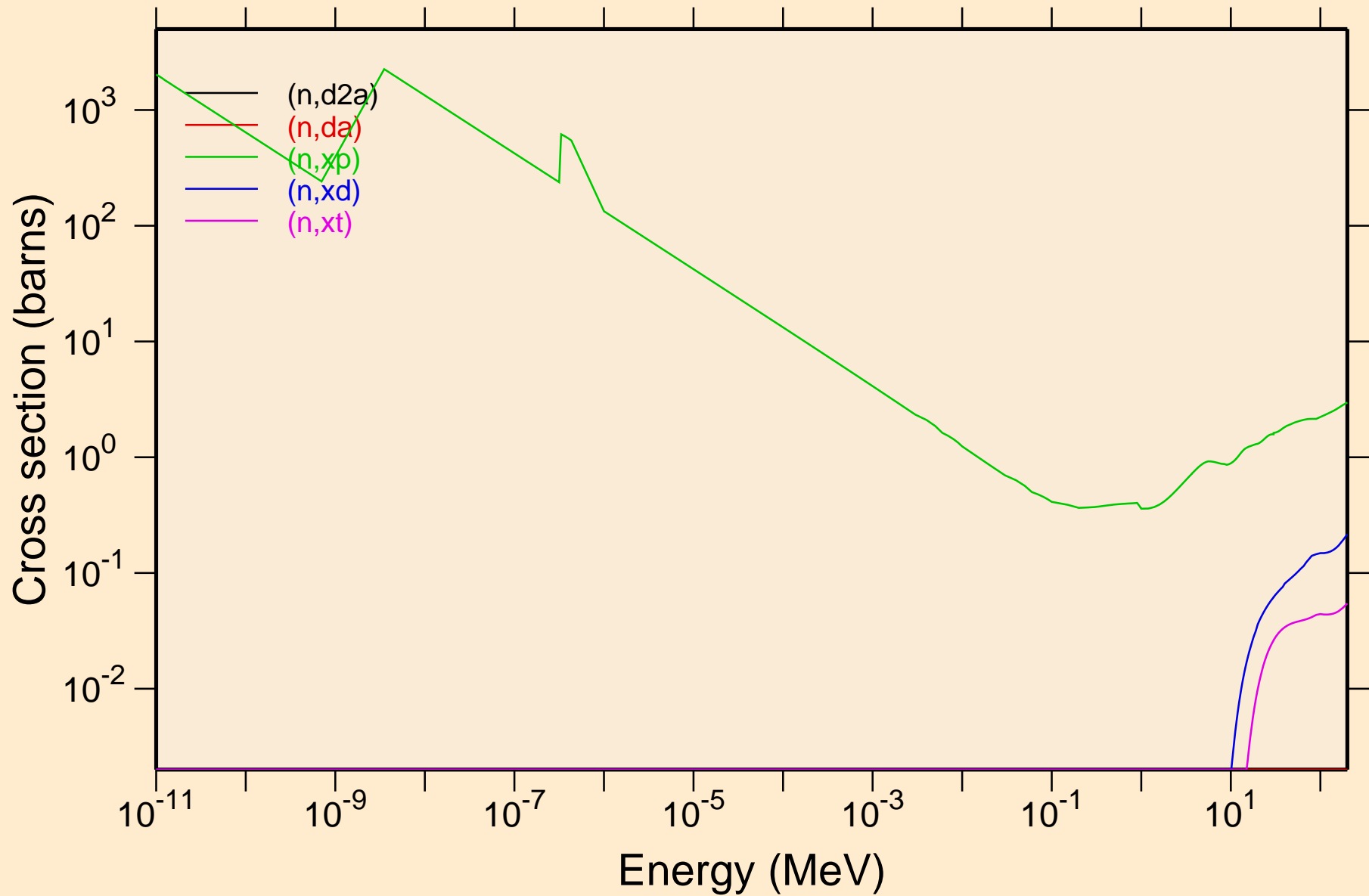


# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

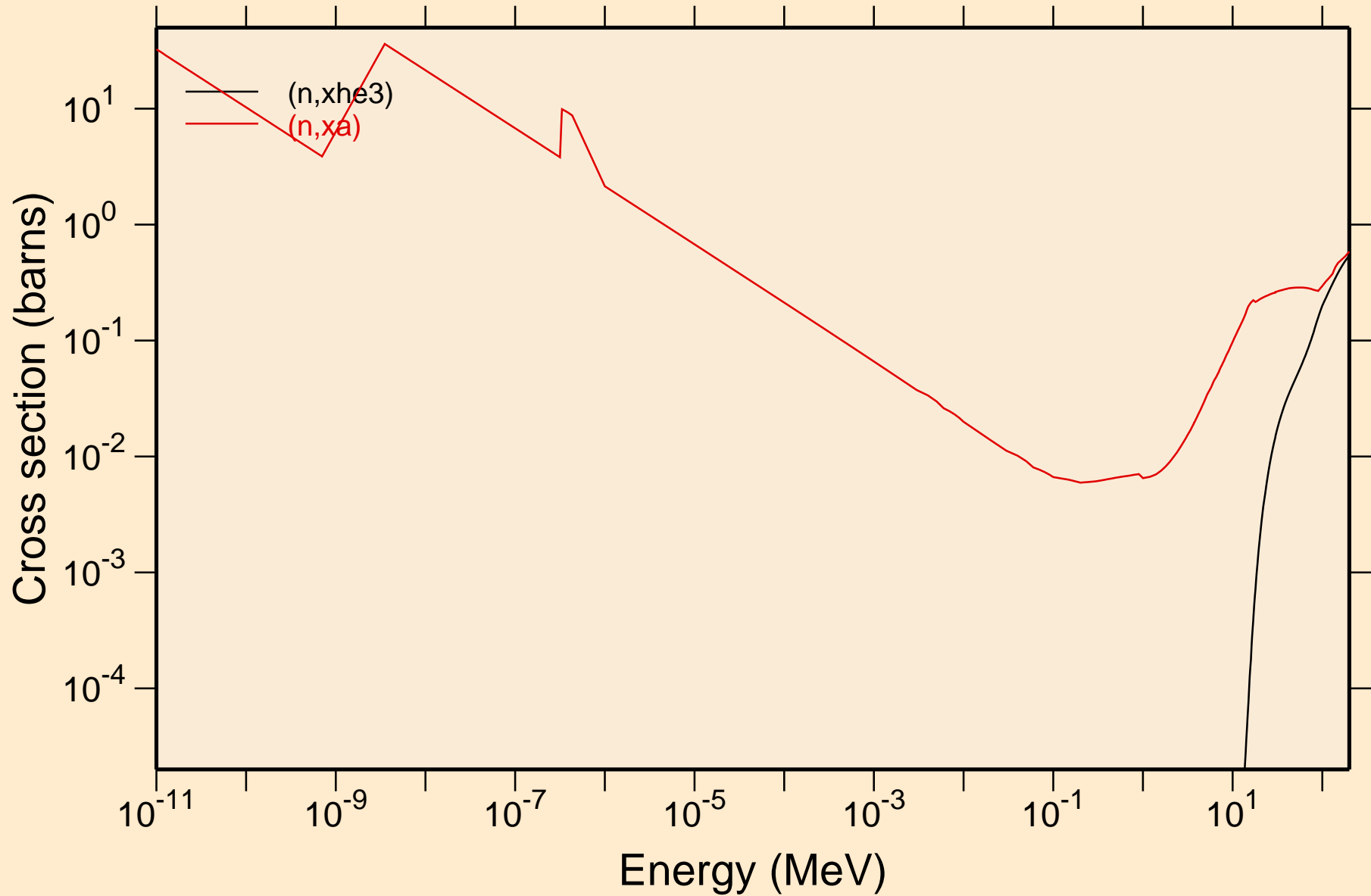
## Non-threshold reactions



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

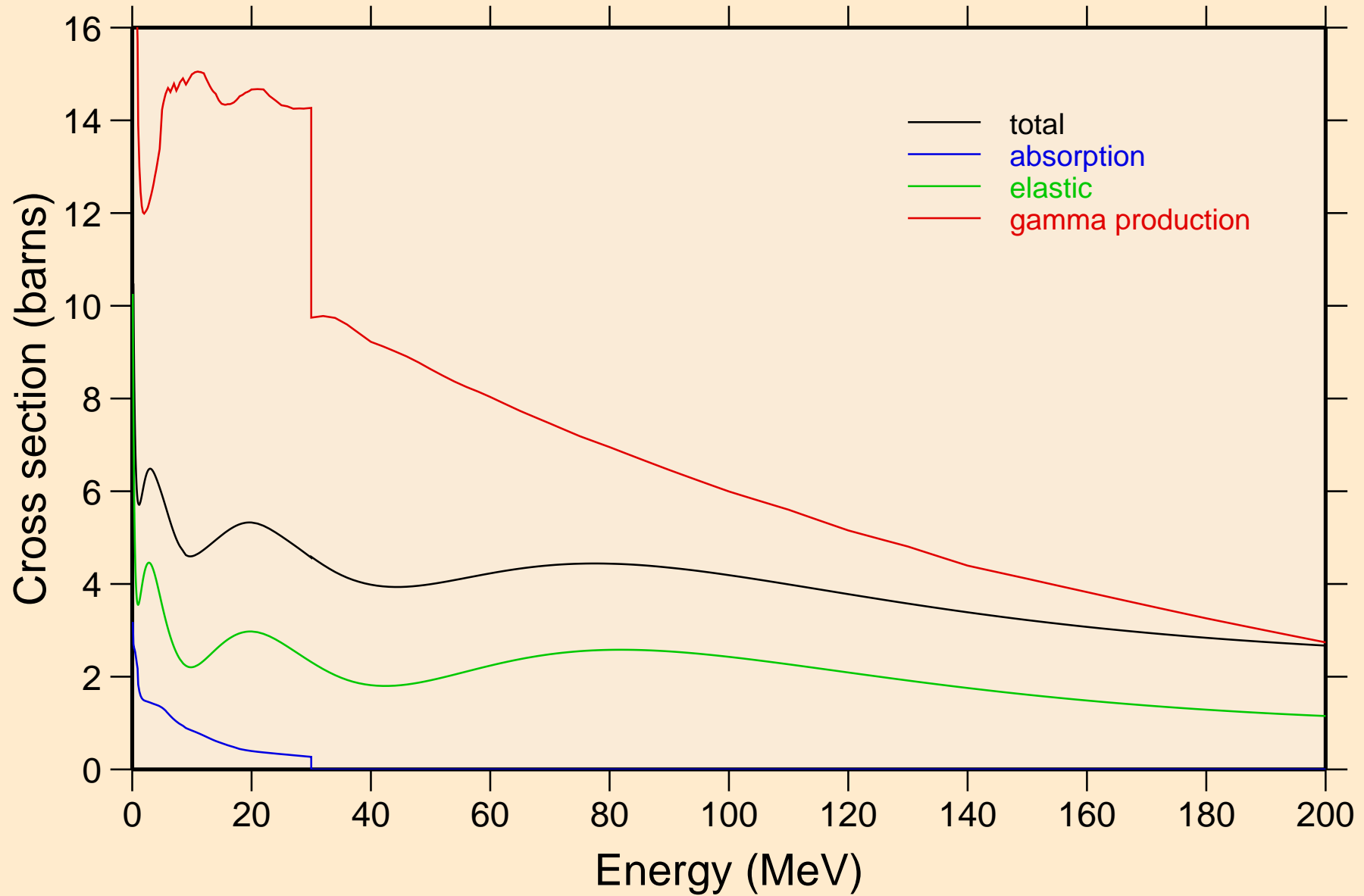


IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



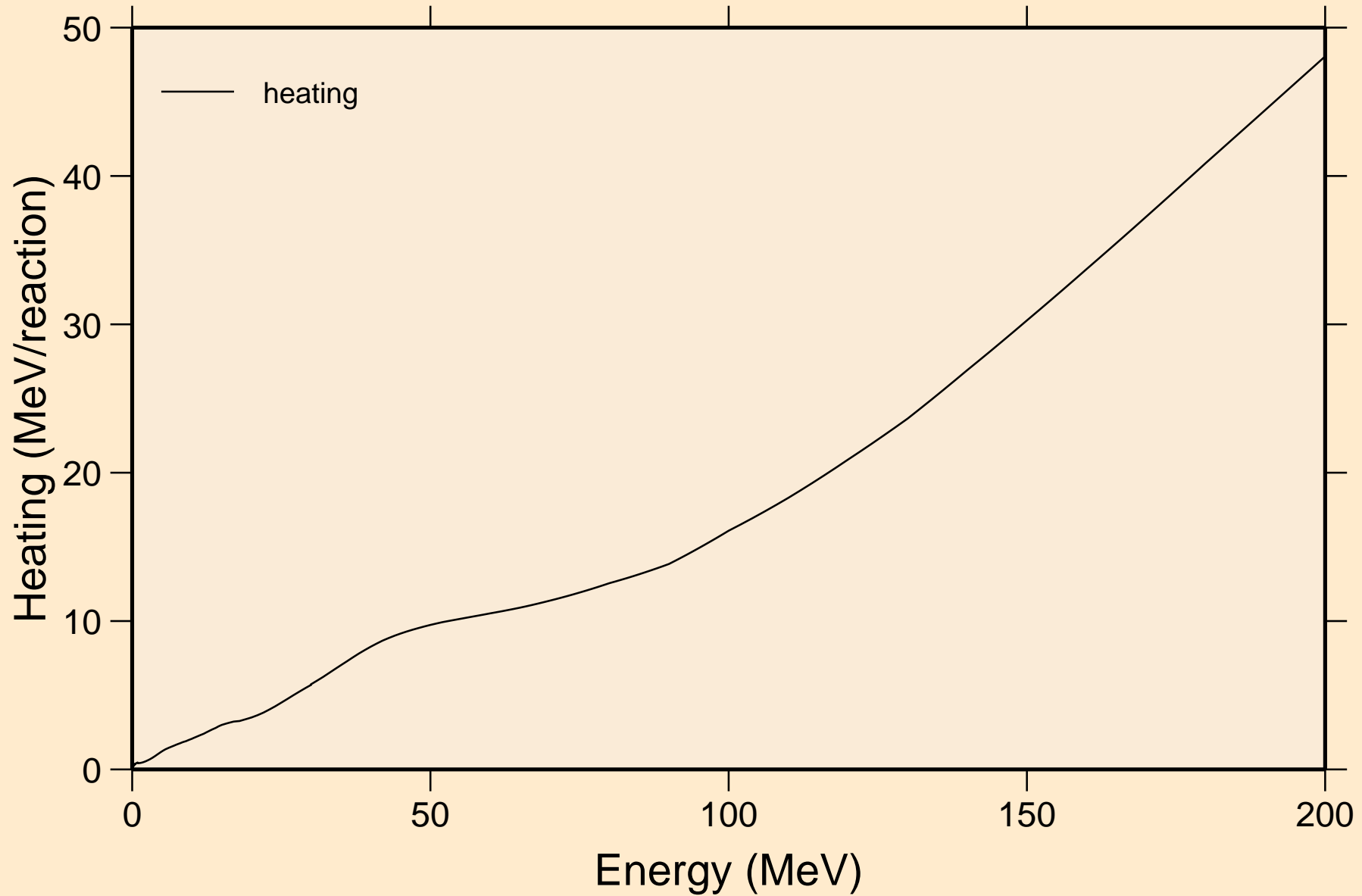
# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Principal cross sections



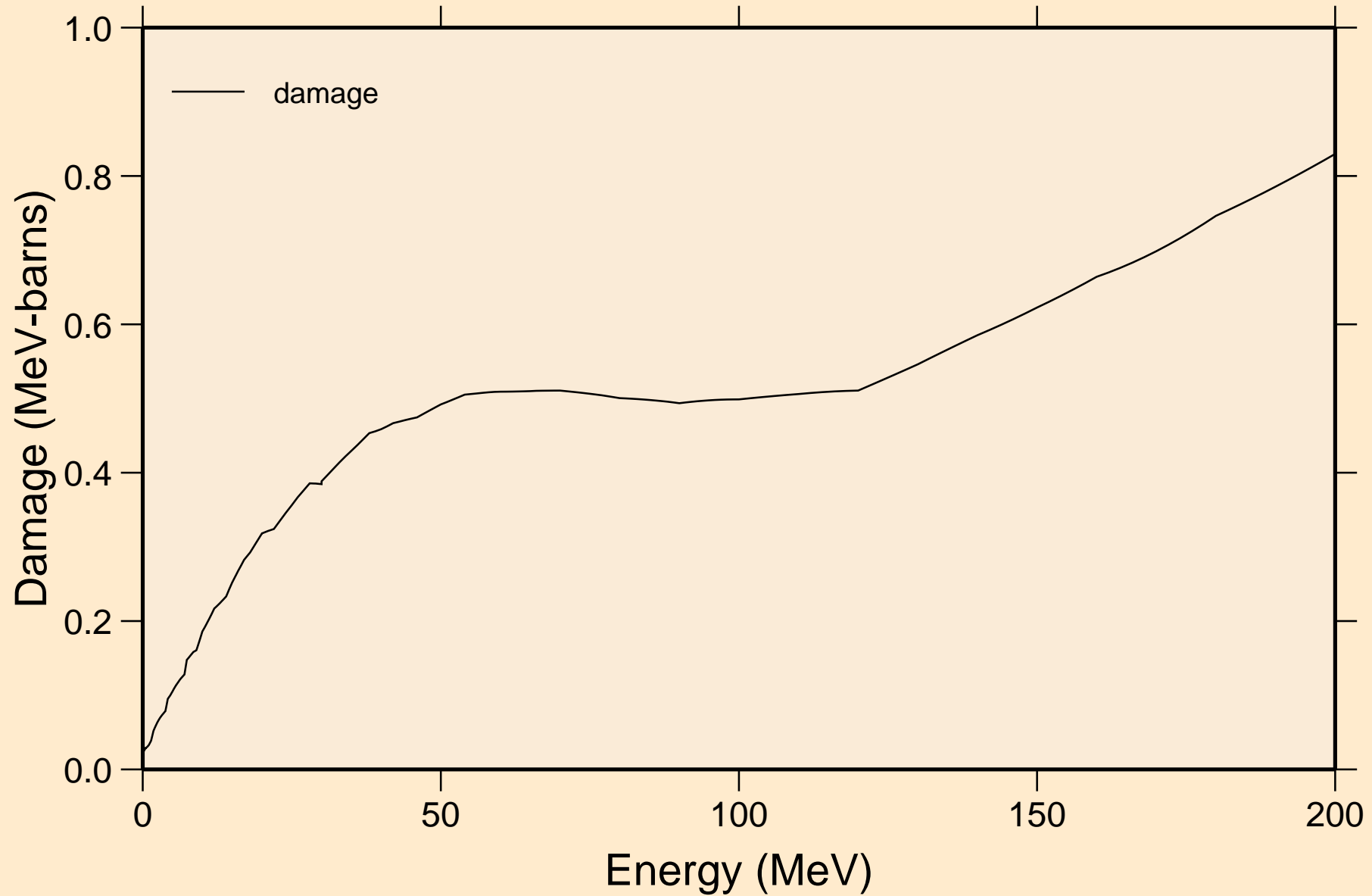
# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Heating

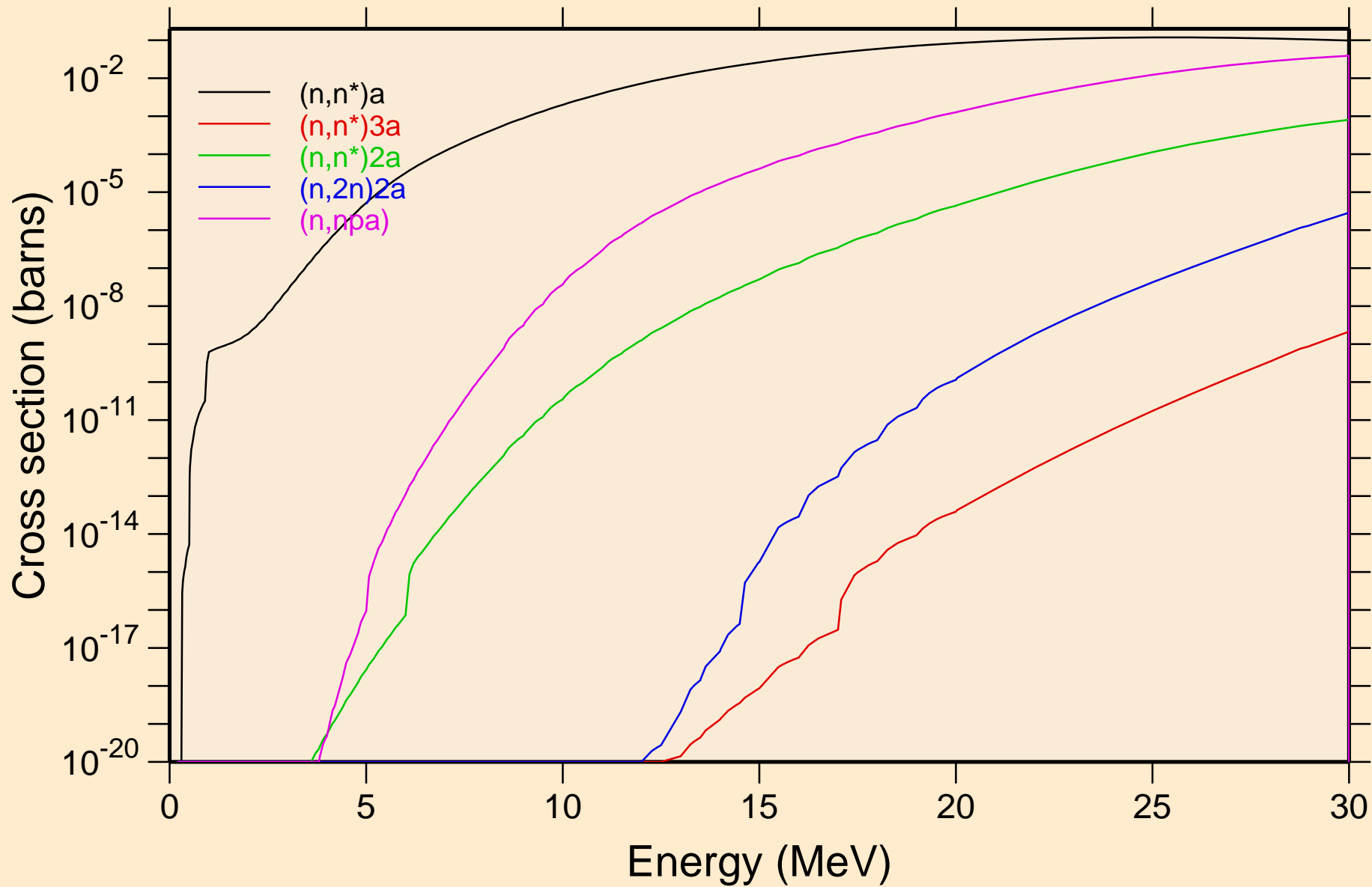


# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

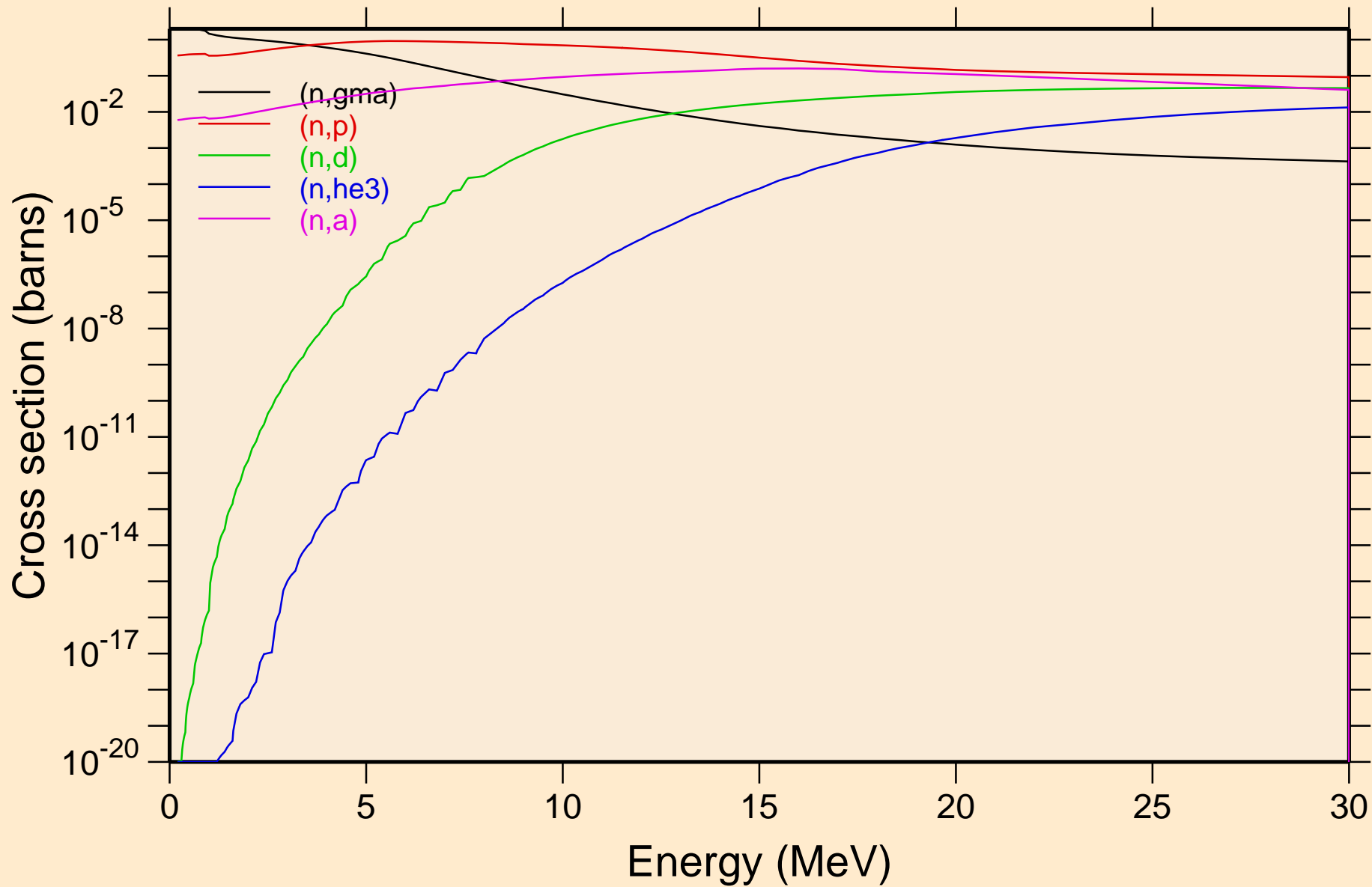
## Damage



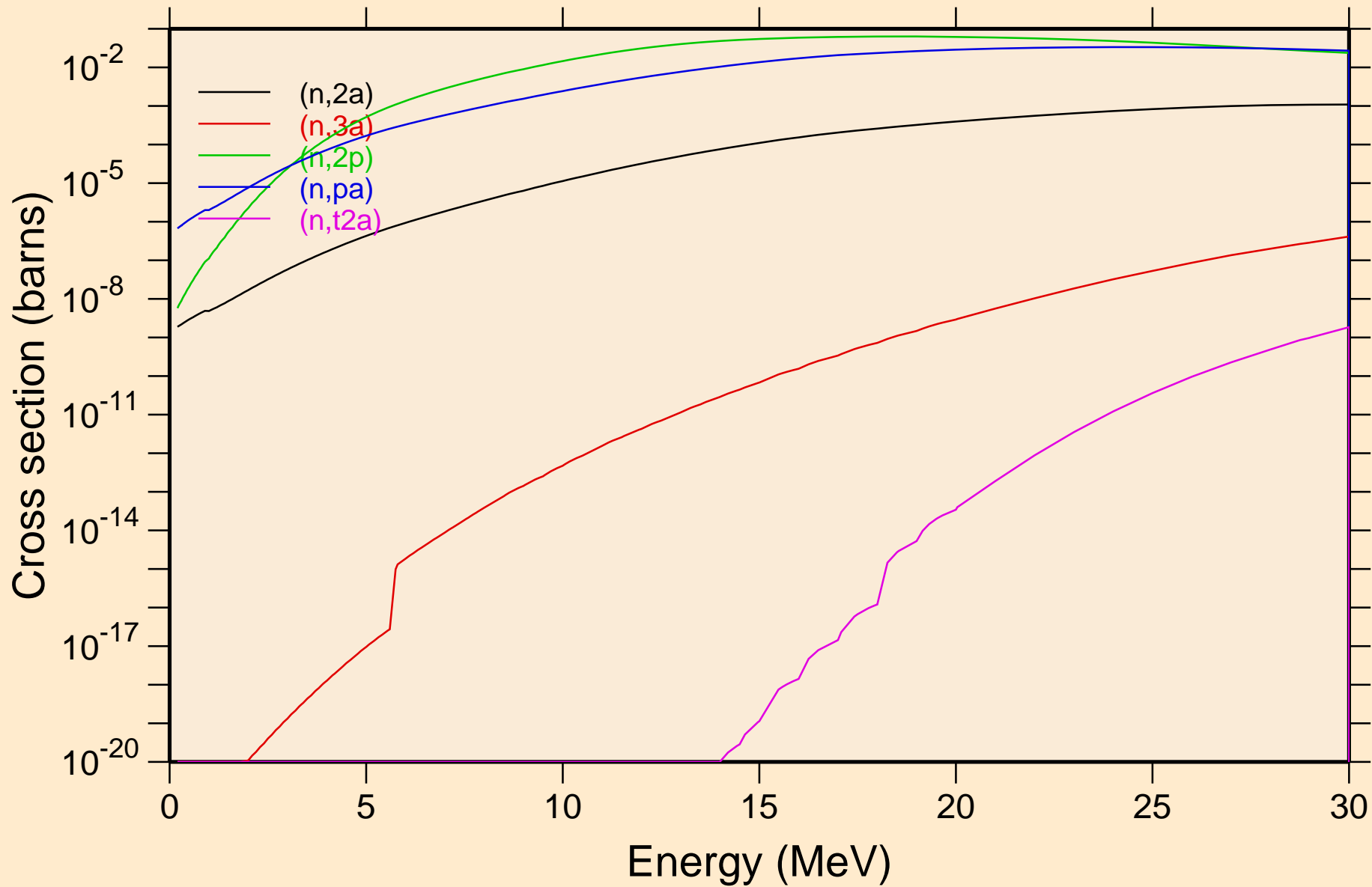
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

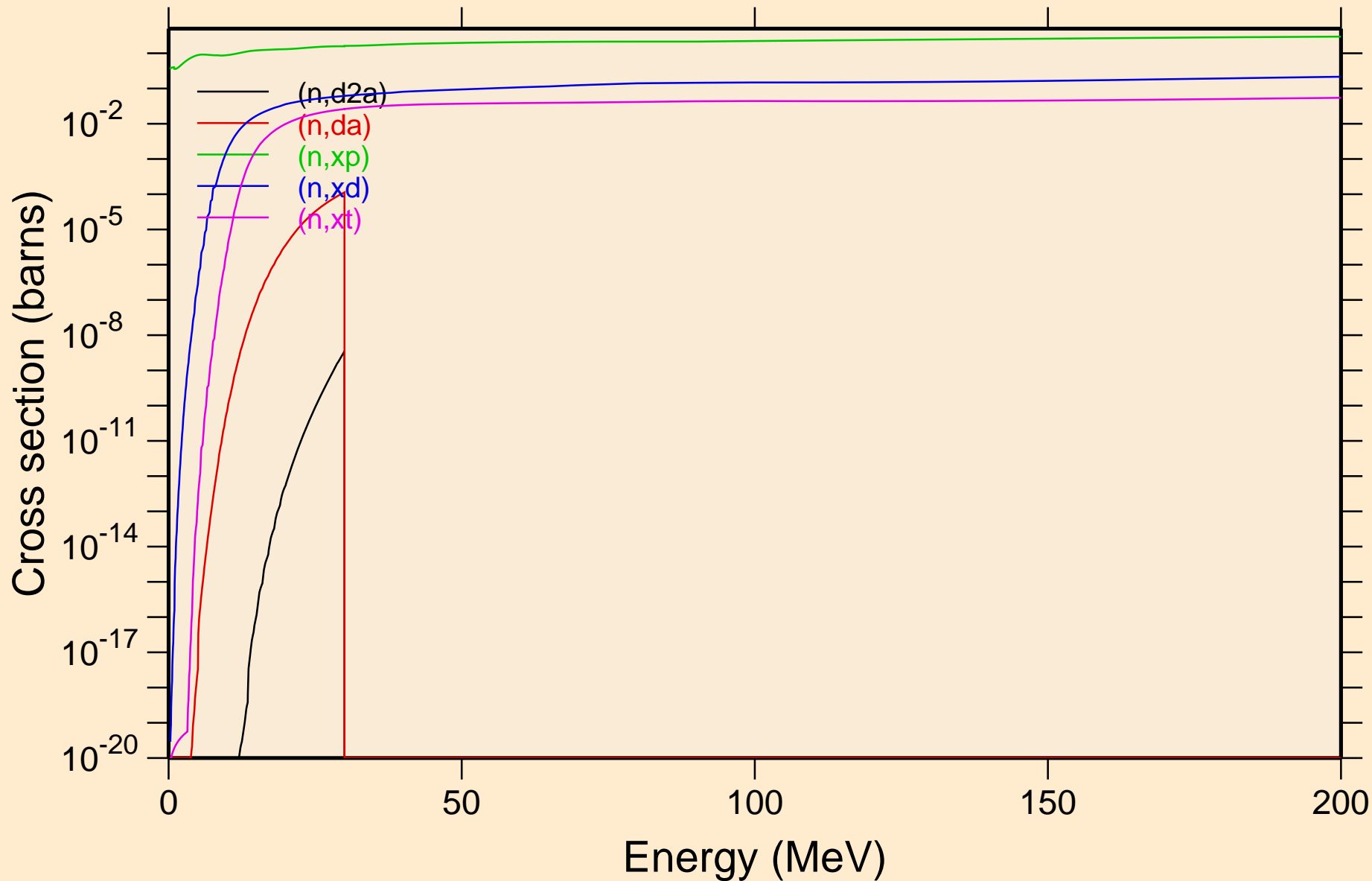


IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

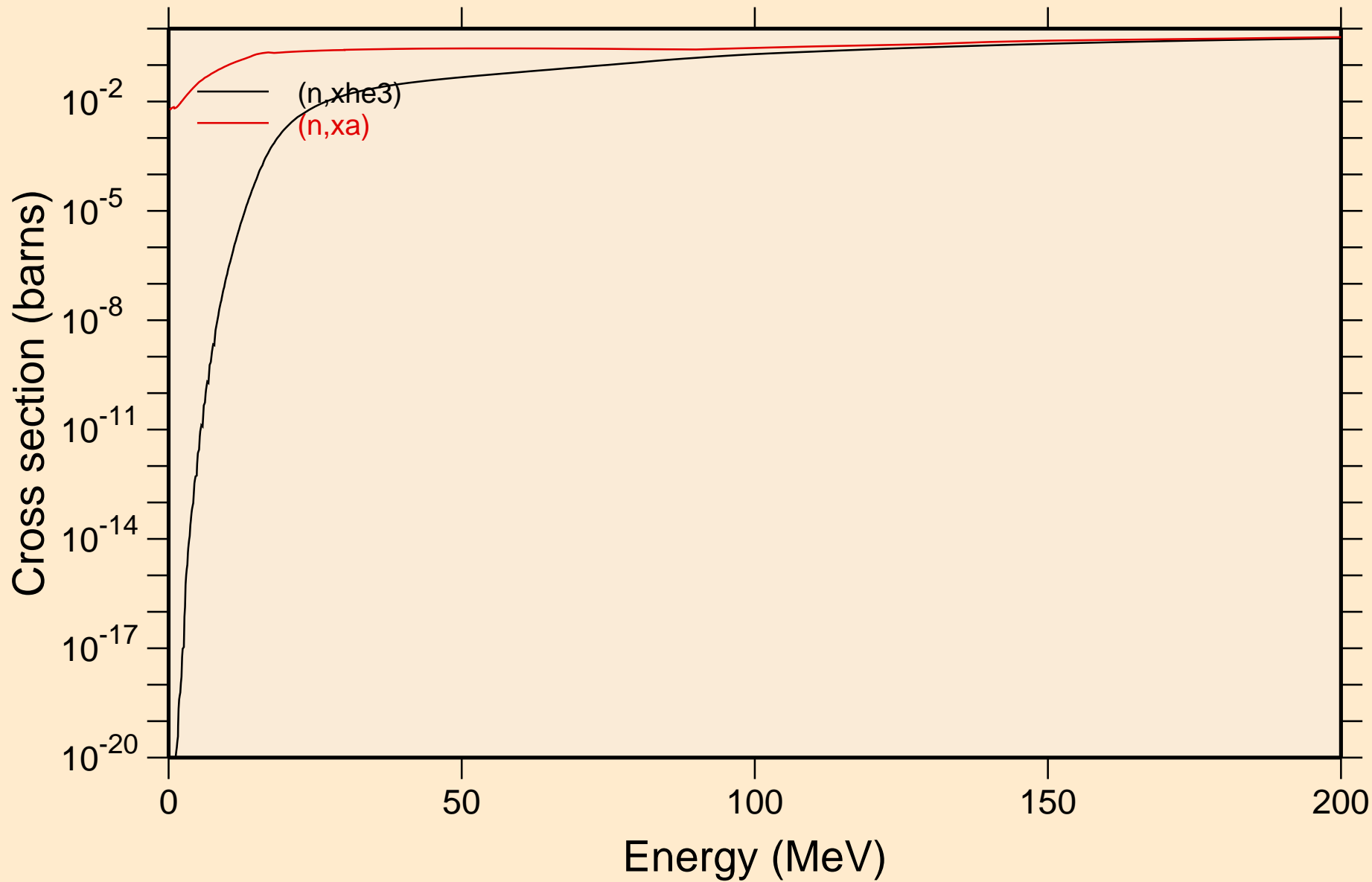


# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

## Non-threshold reactions

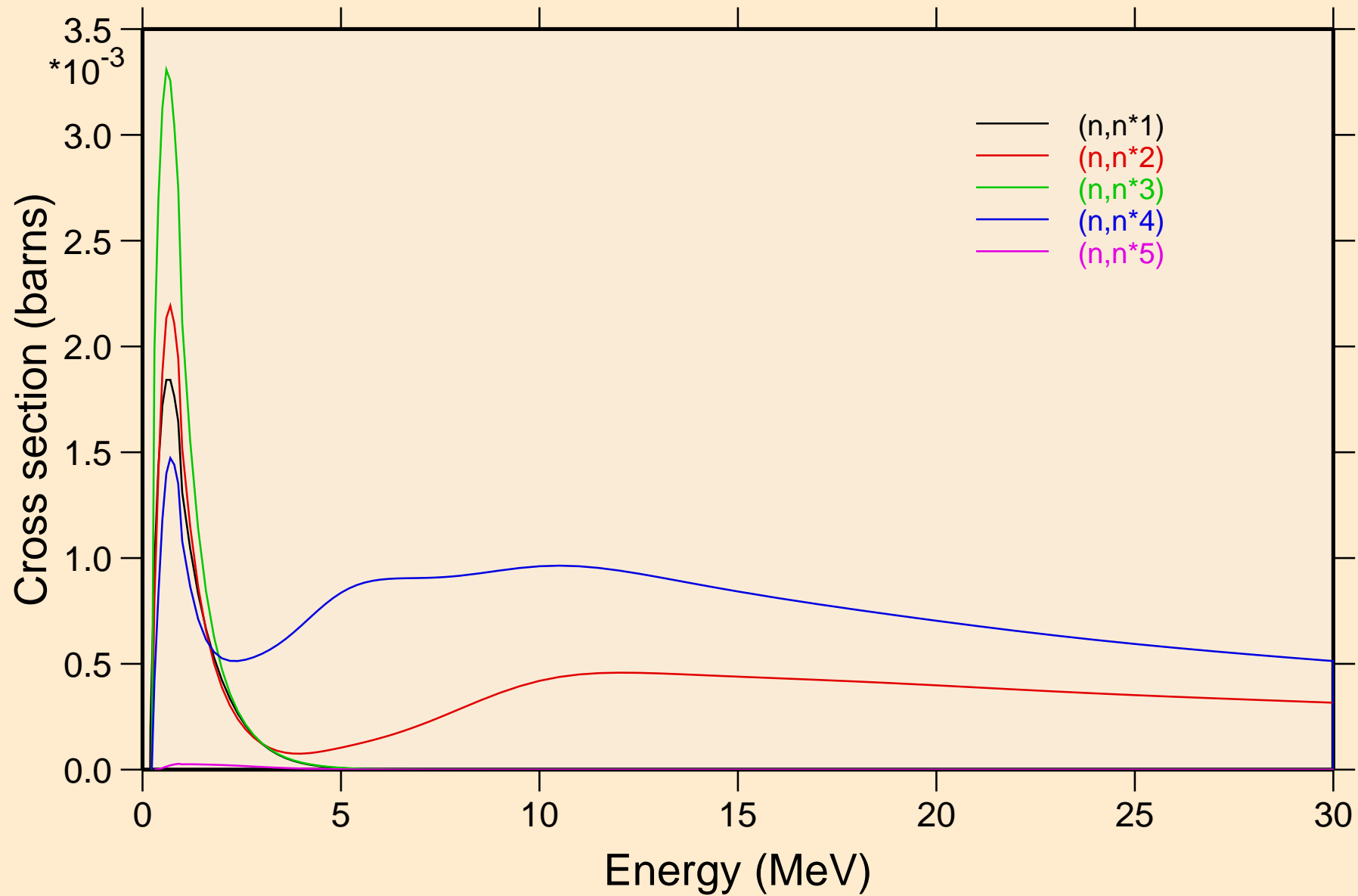


IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Non-threshold reactions

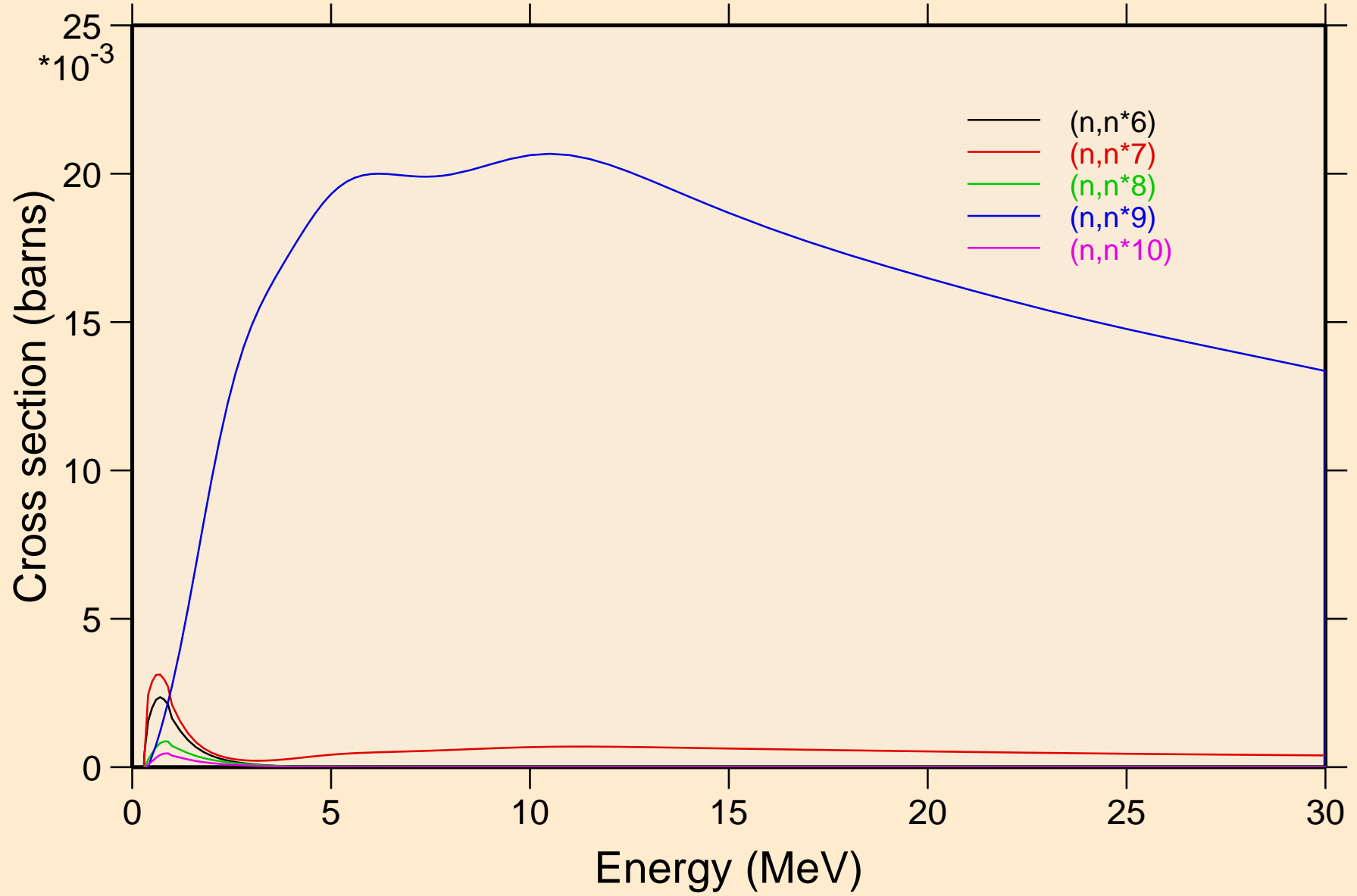


# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

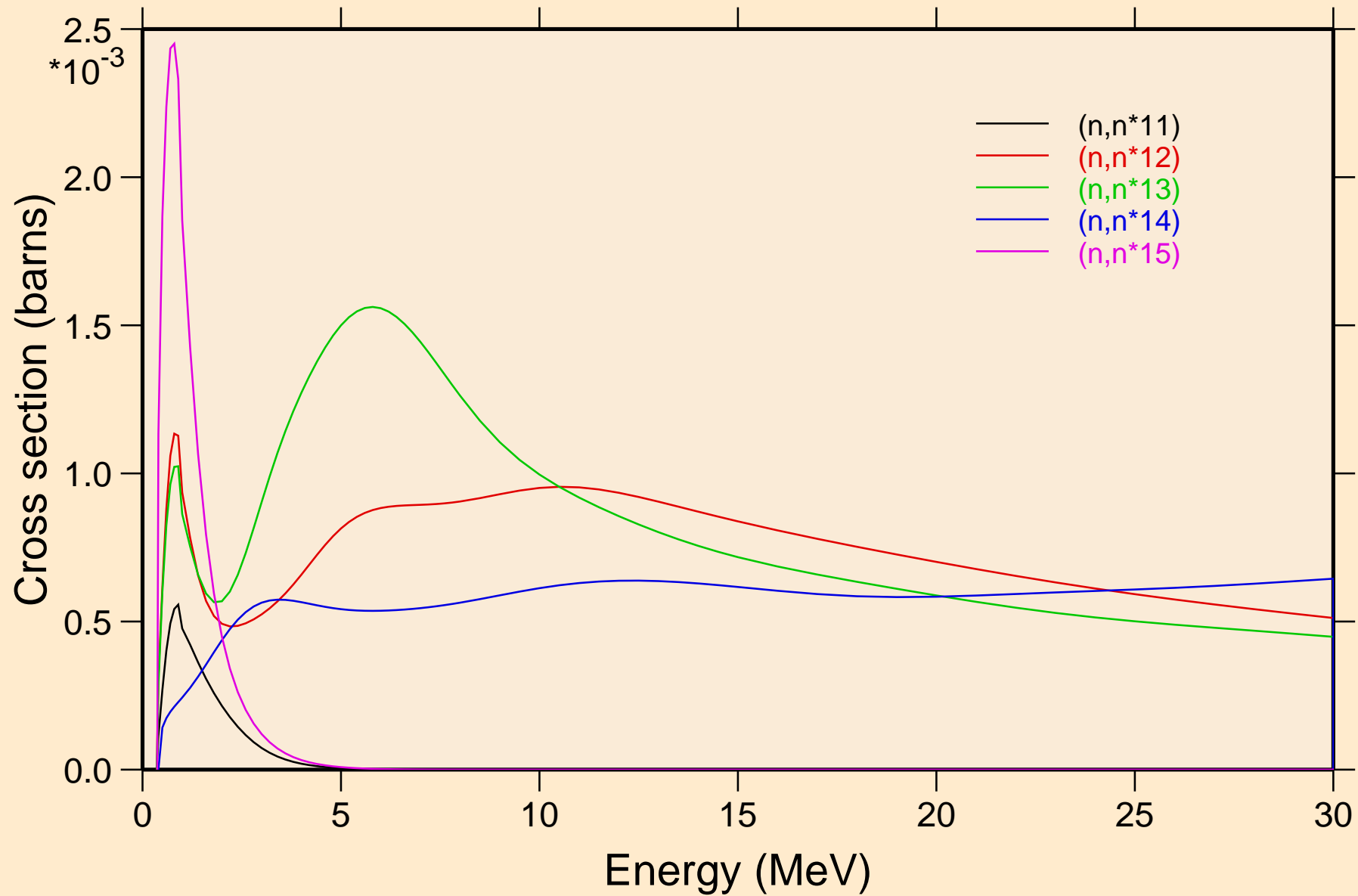
## Inelastic levels



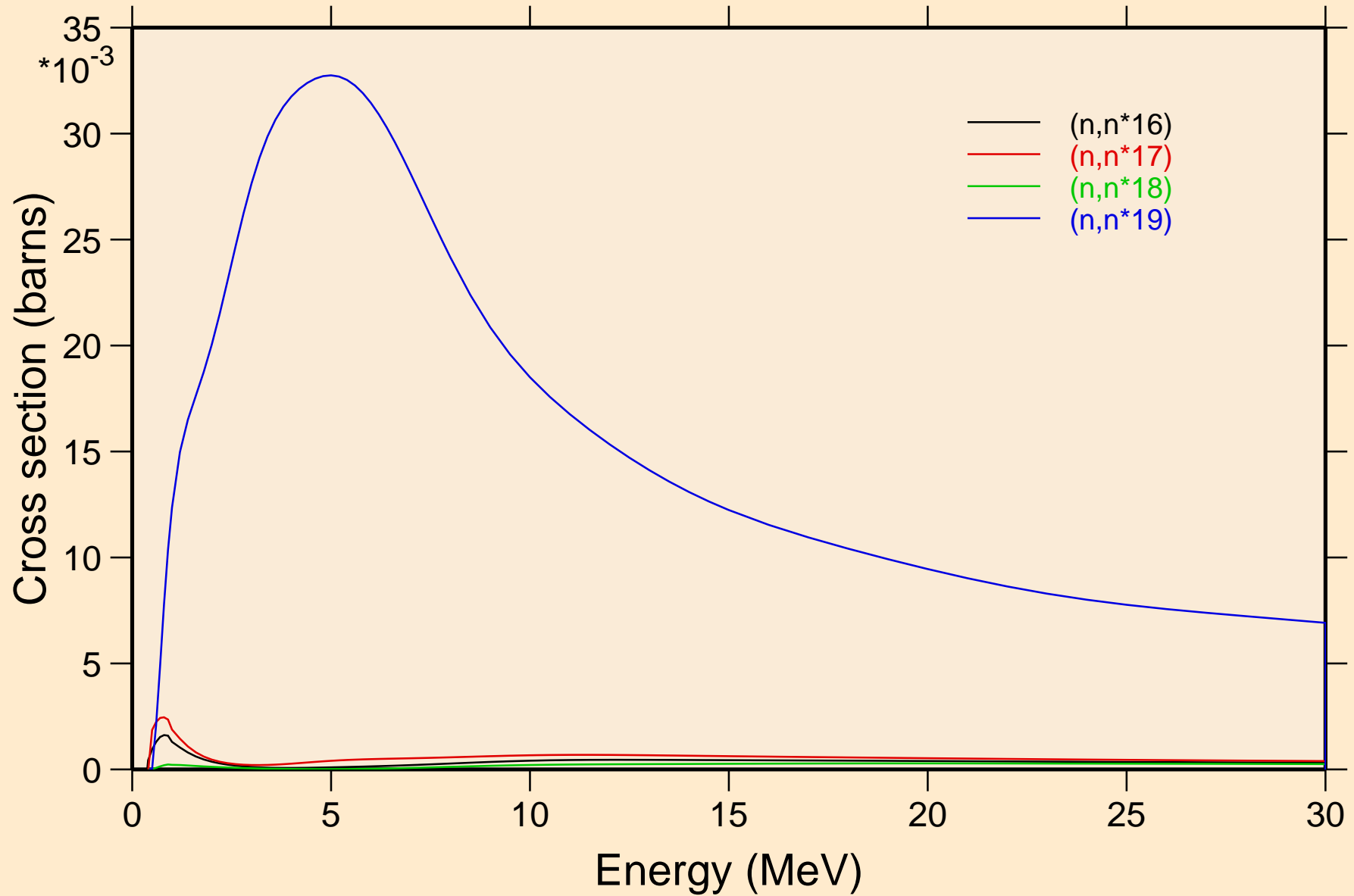
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



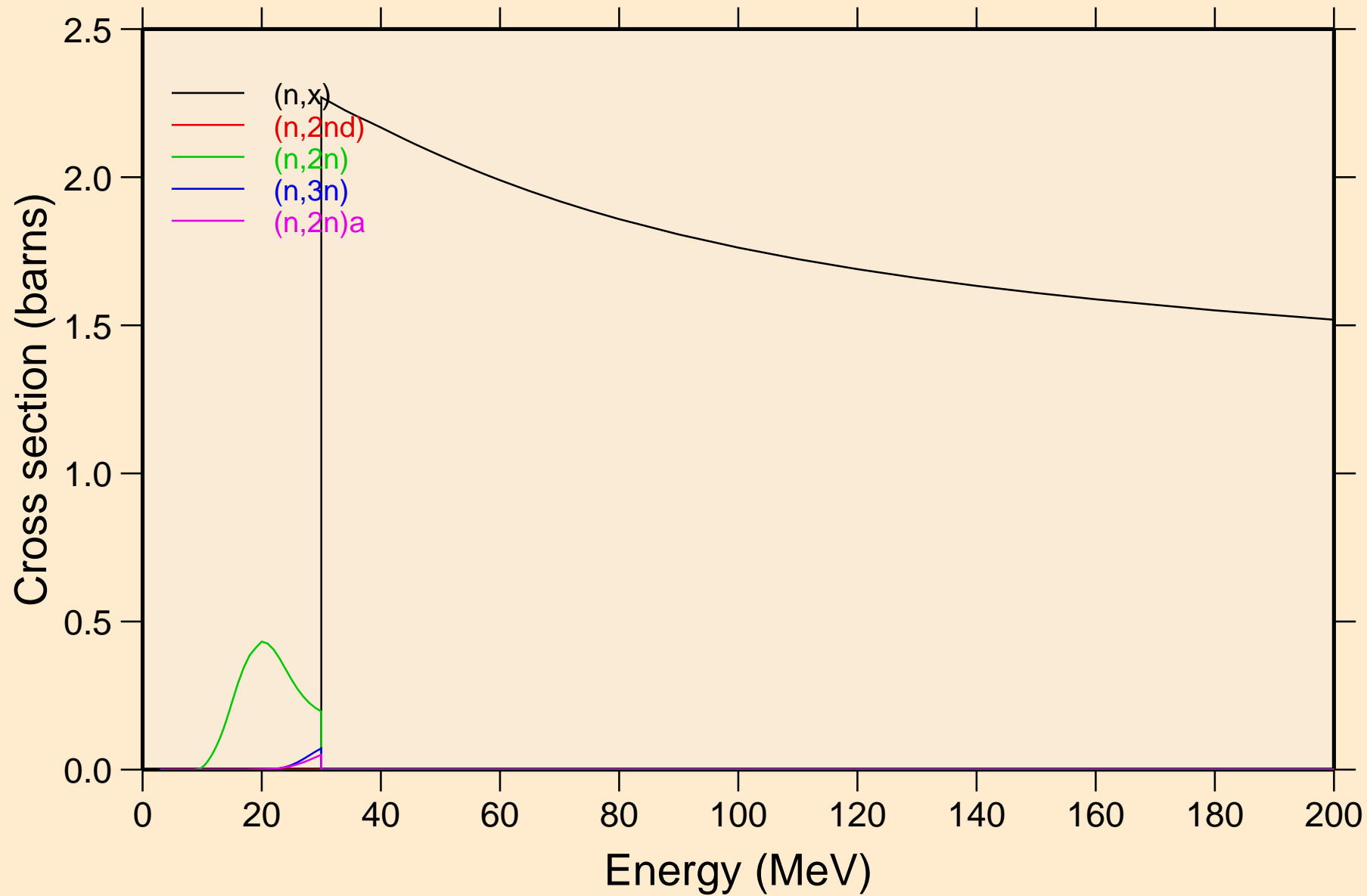
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



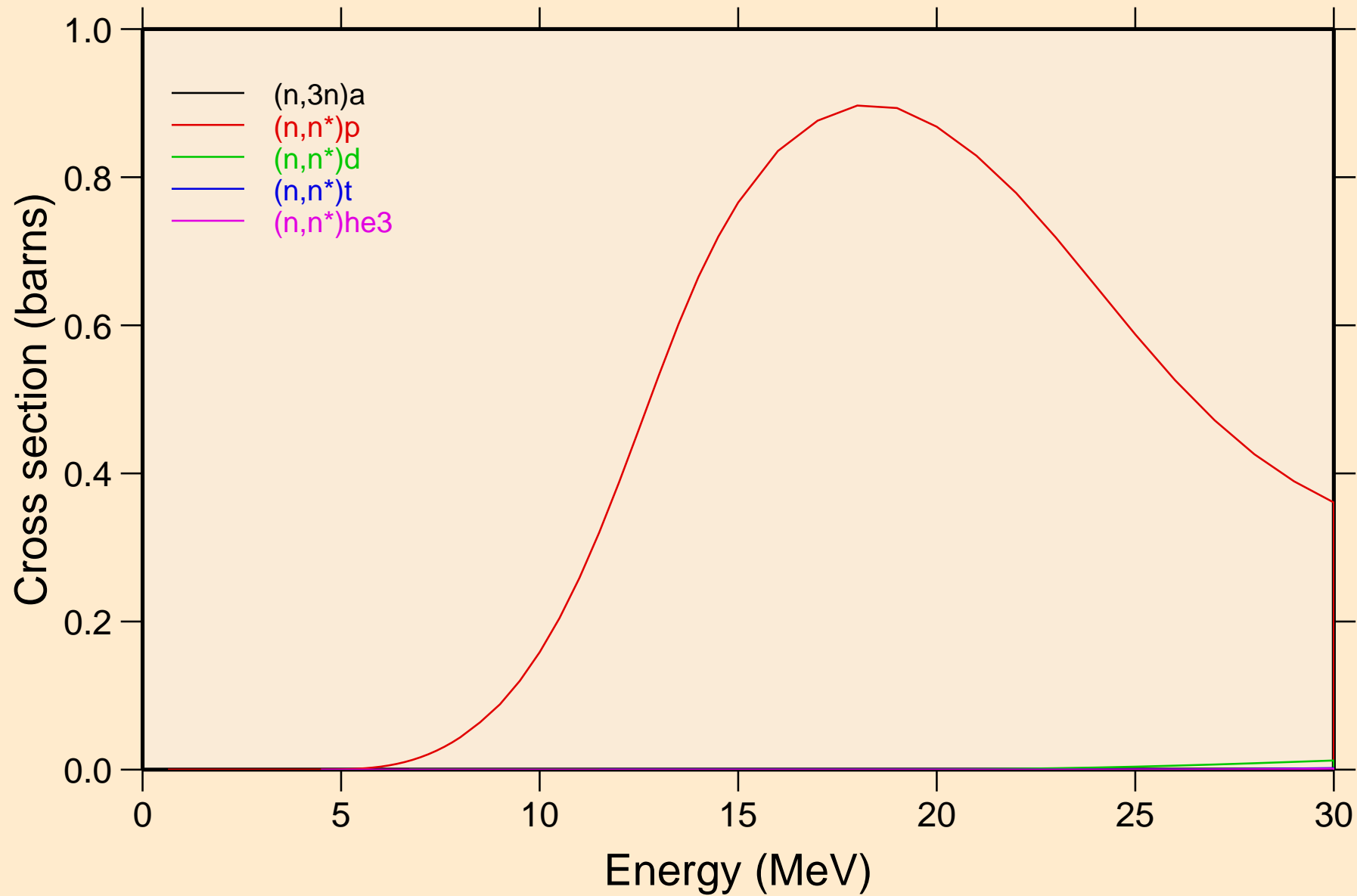
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels



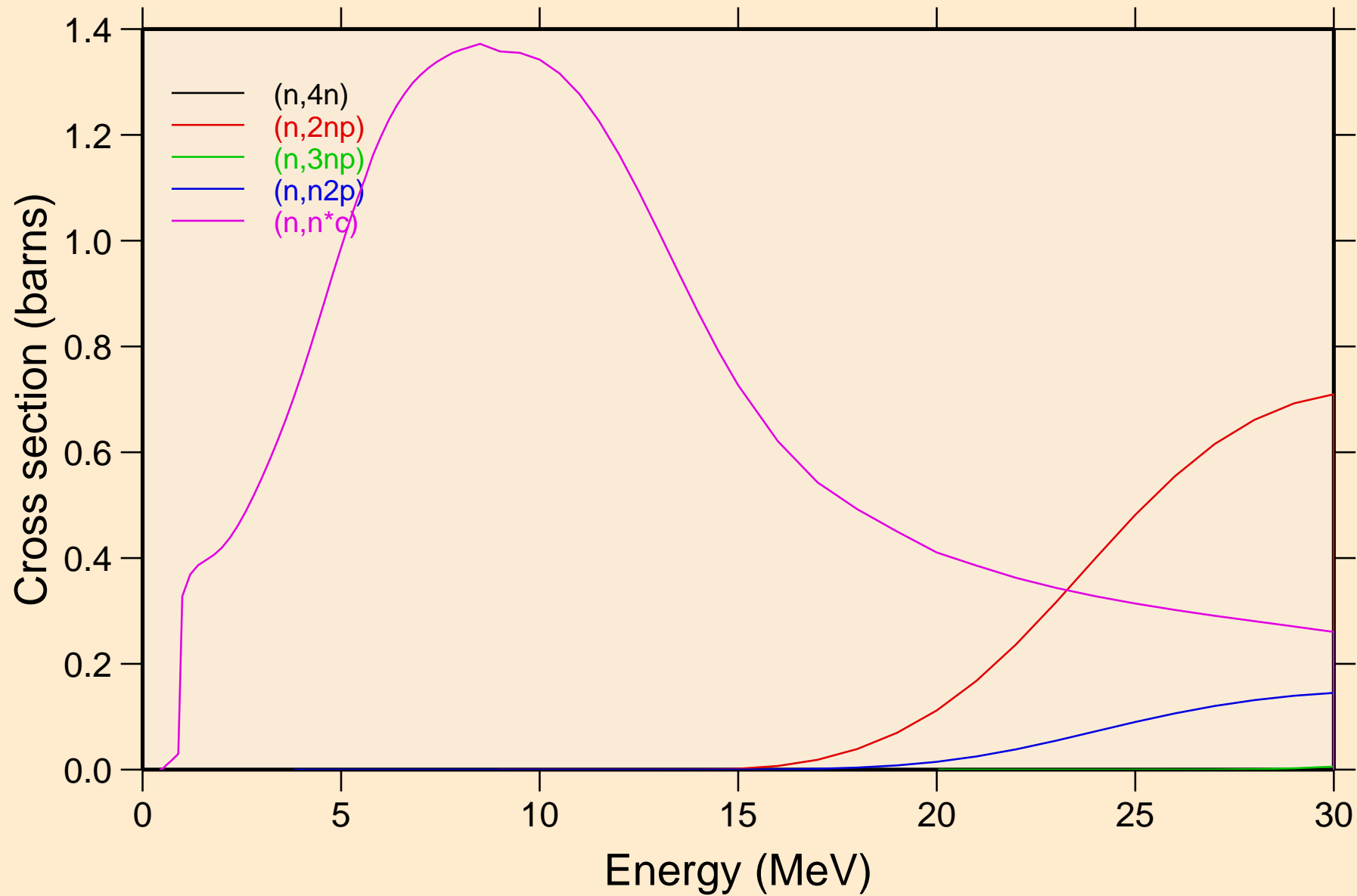
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



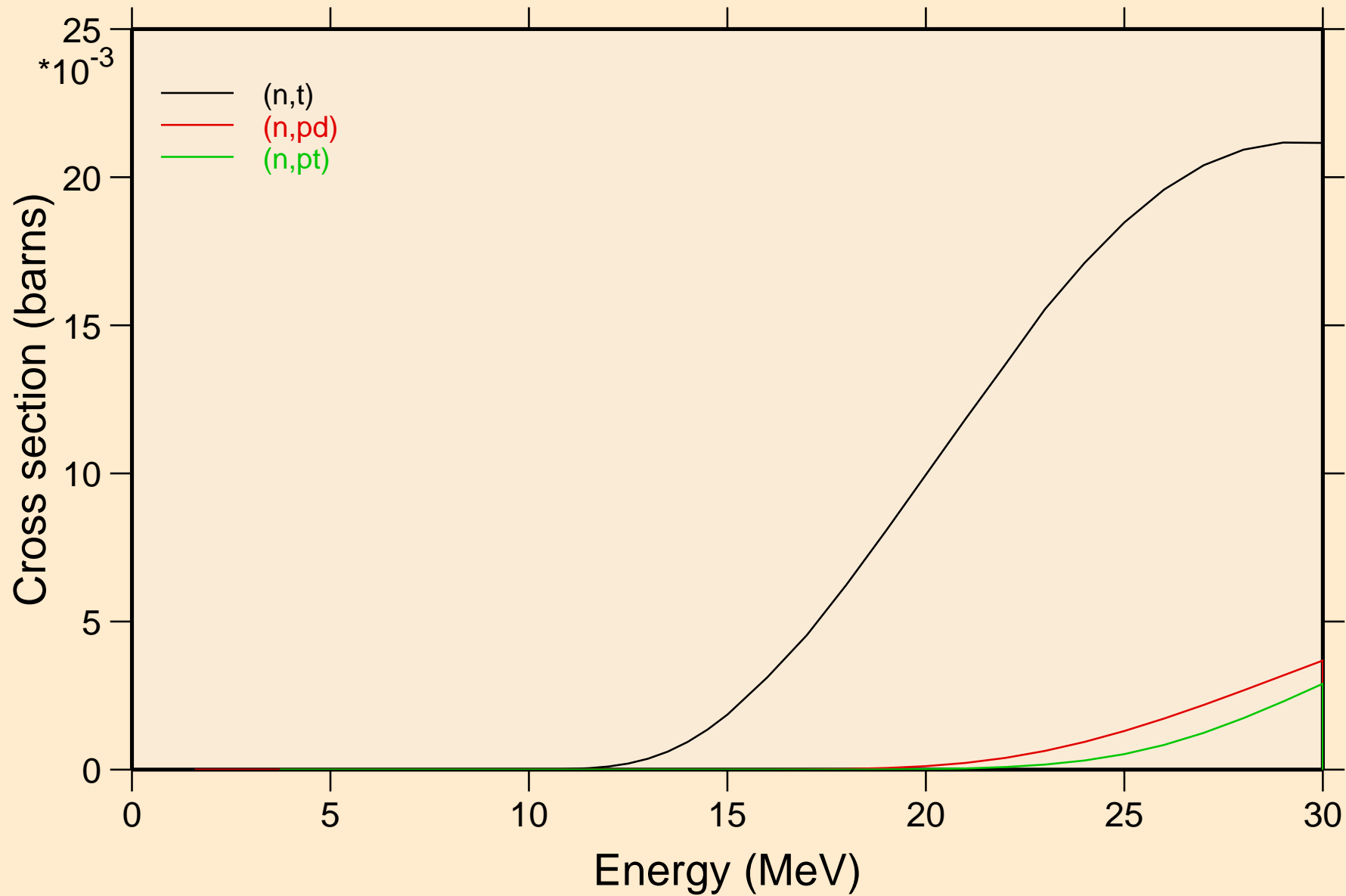
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



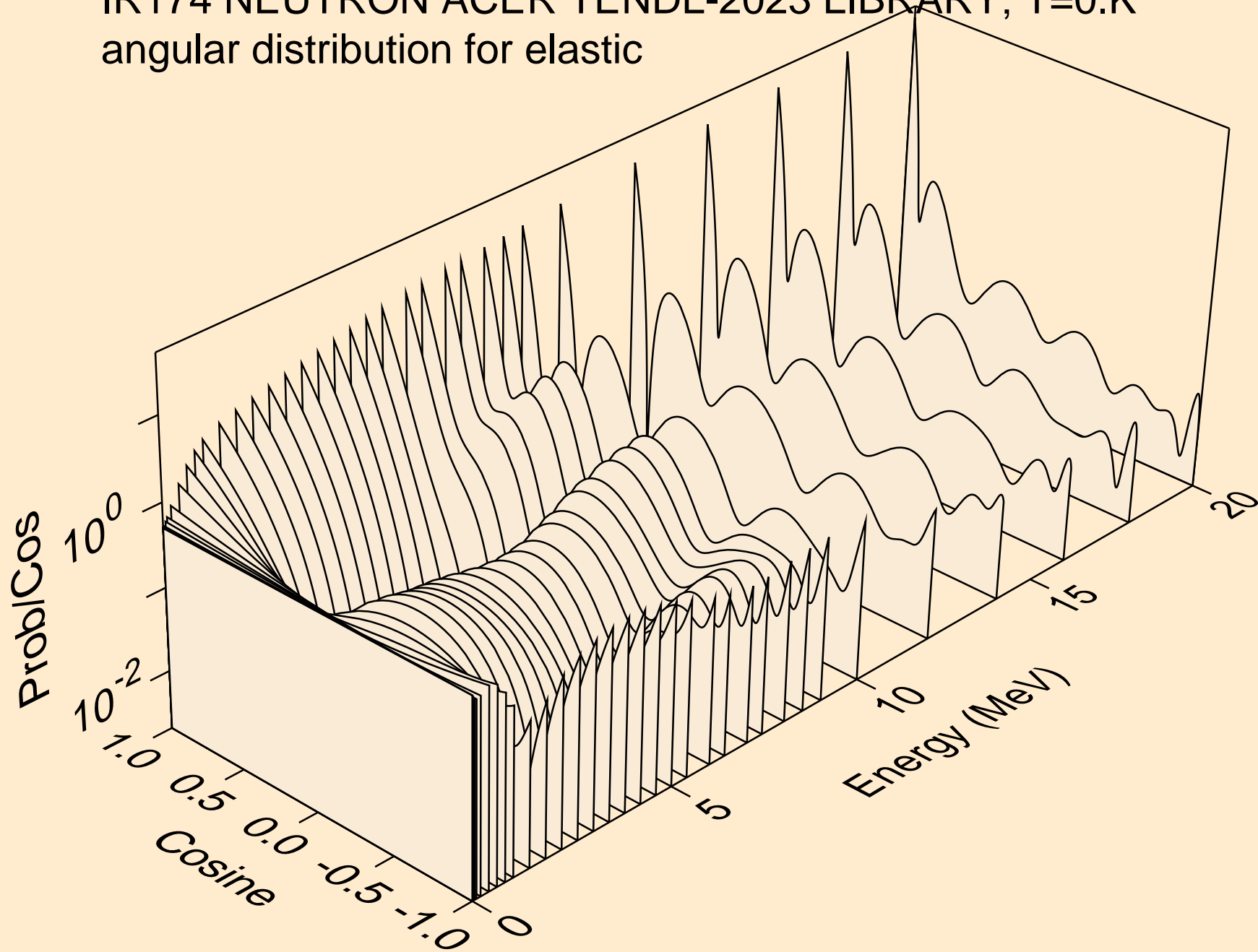
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



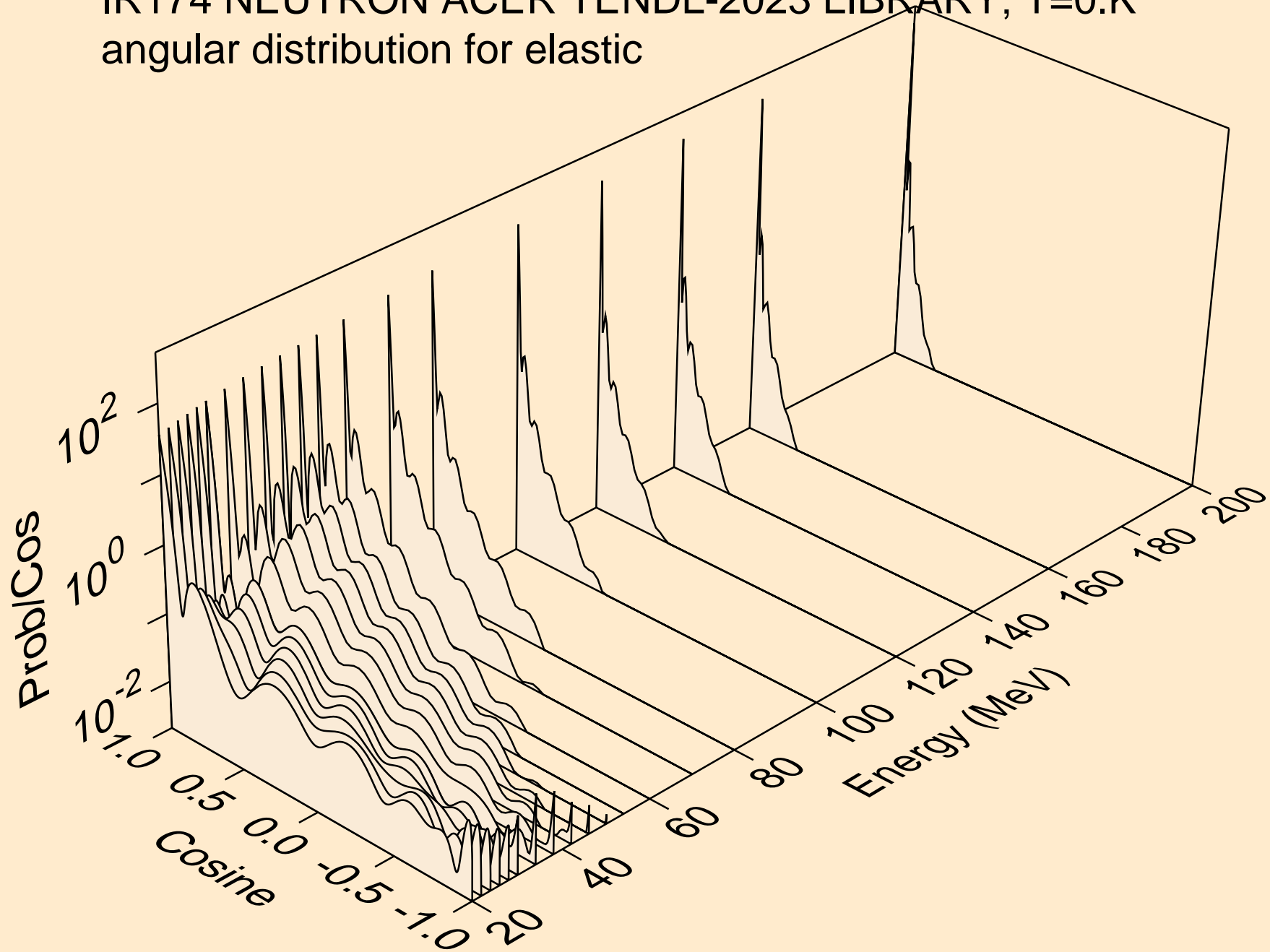
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



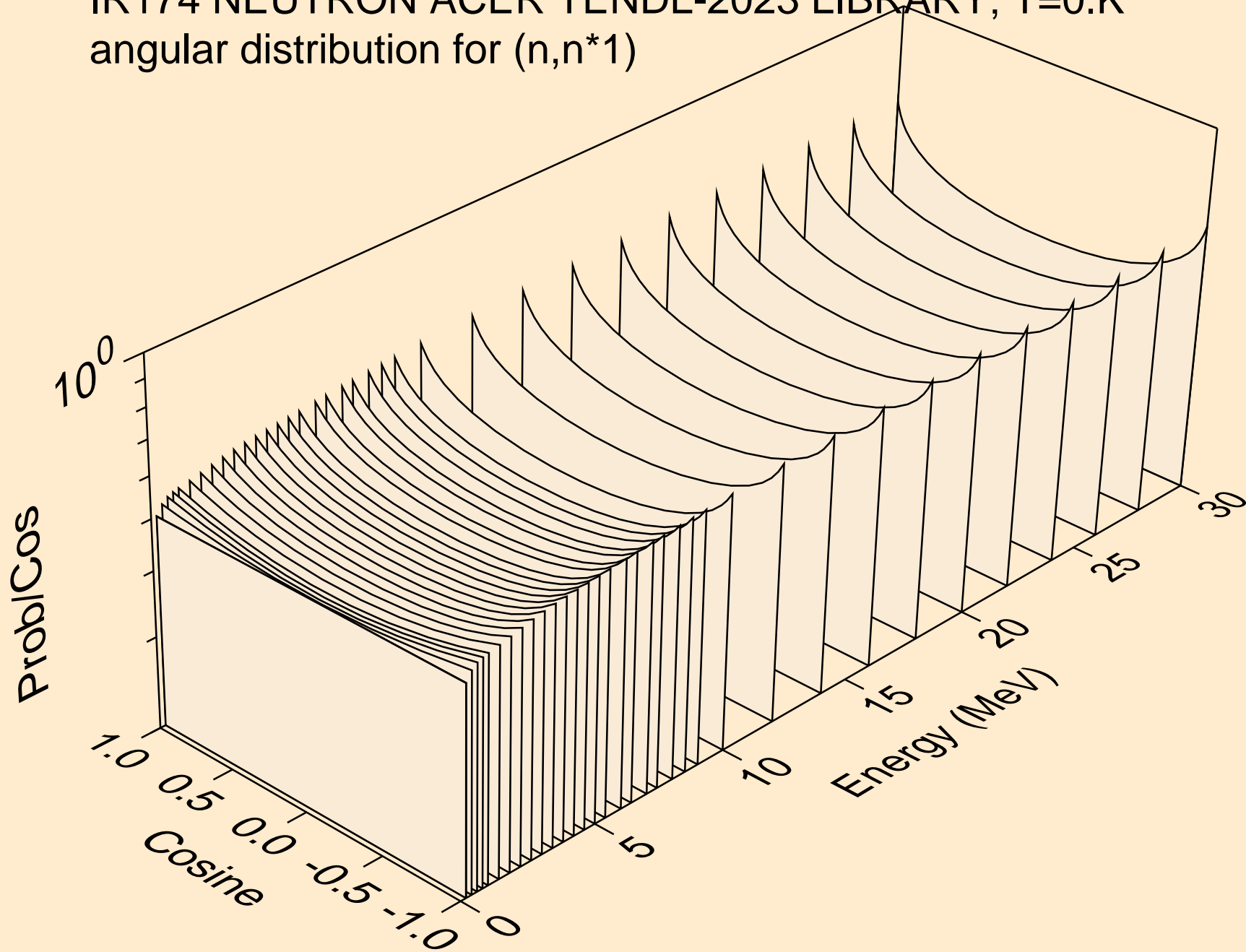
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



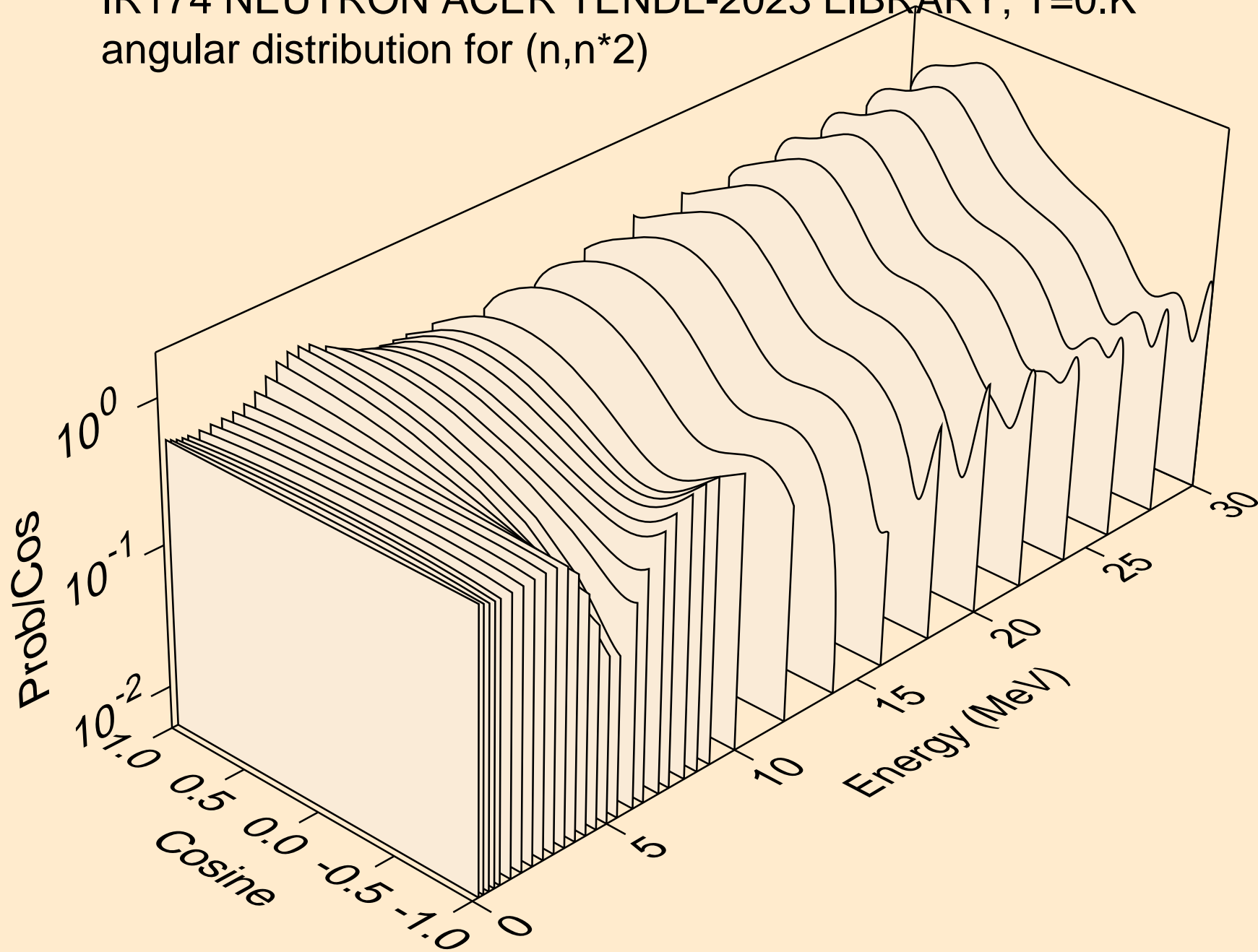
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



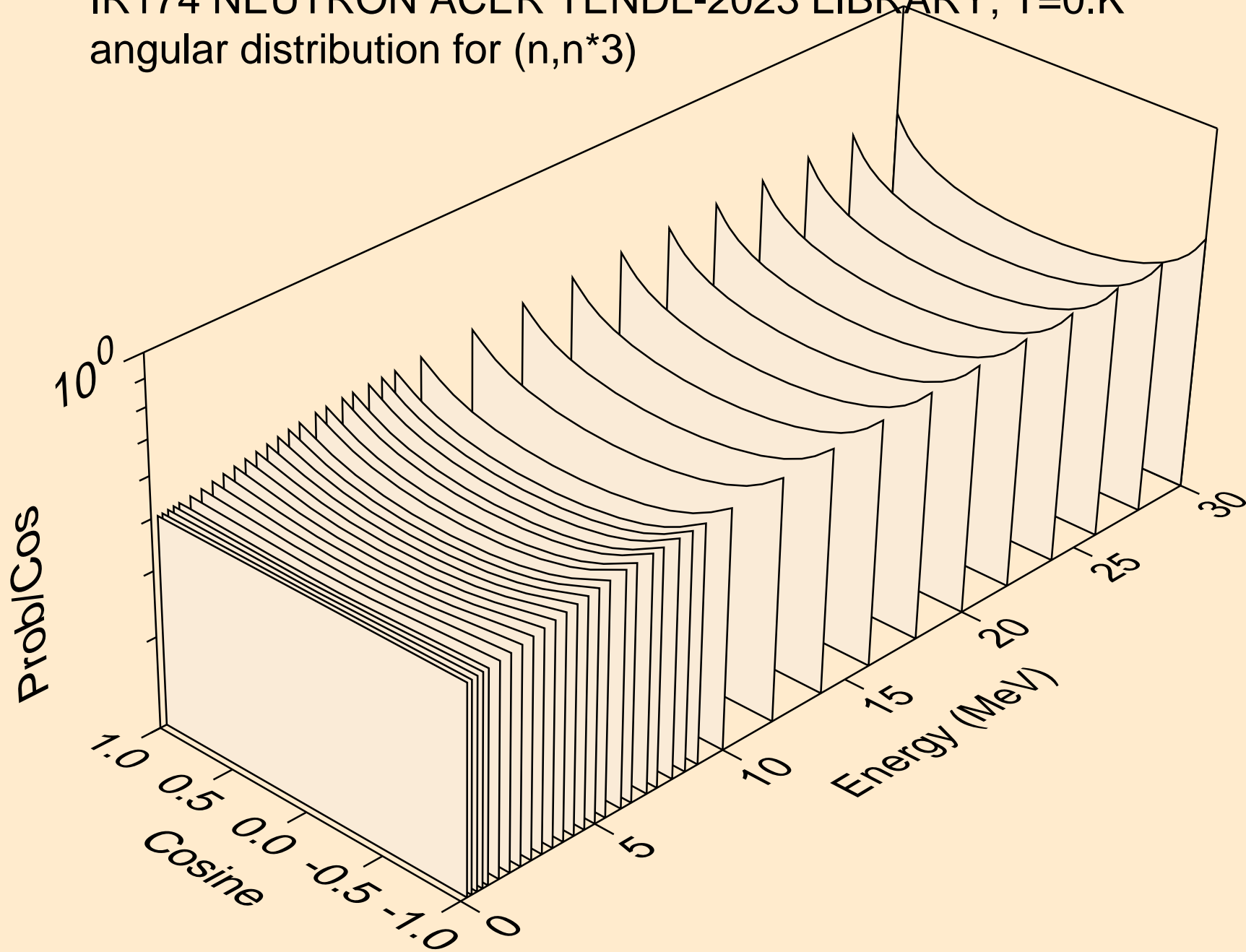
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



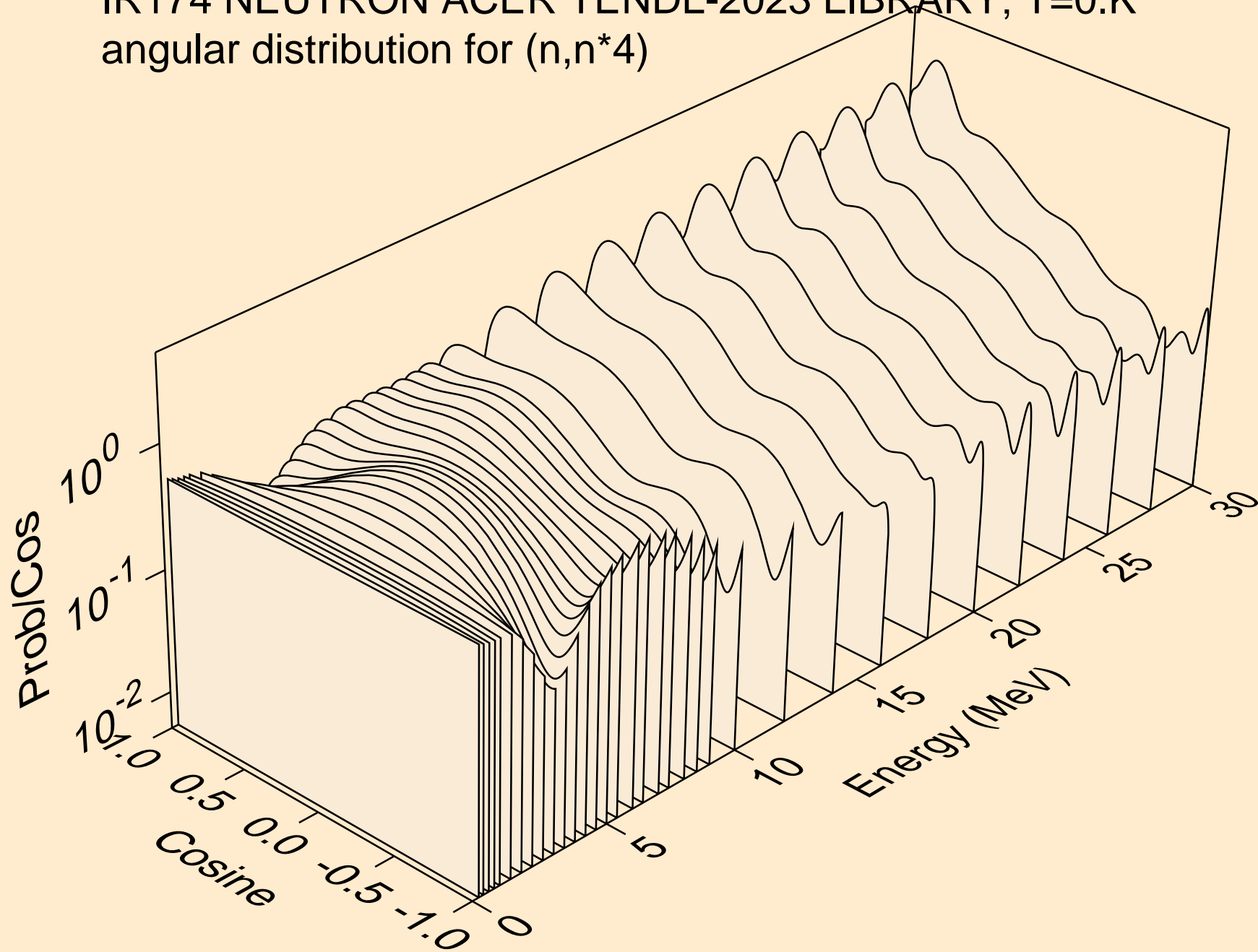
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)



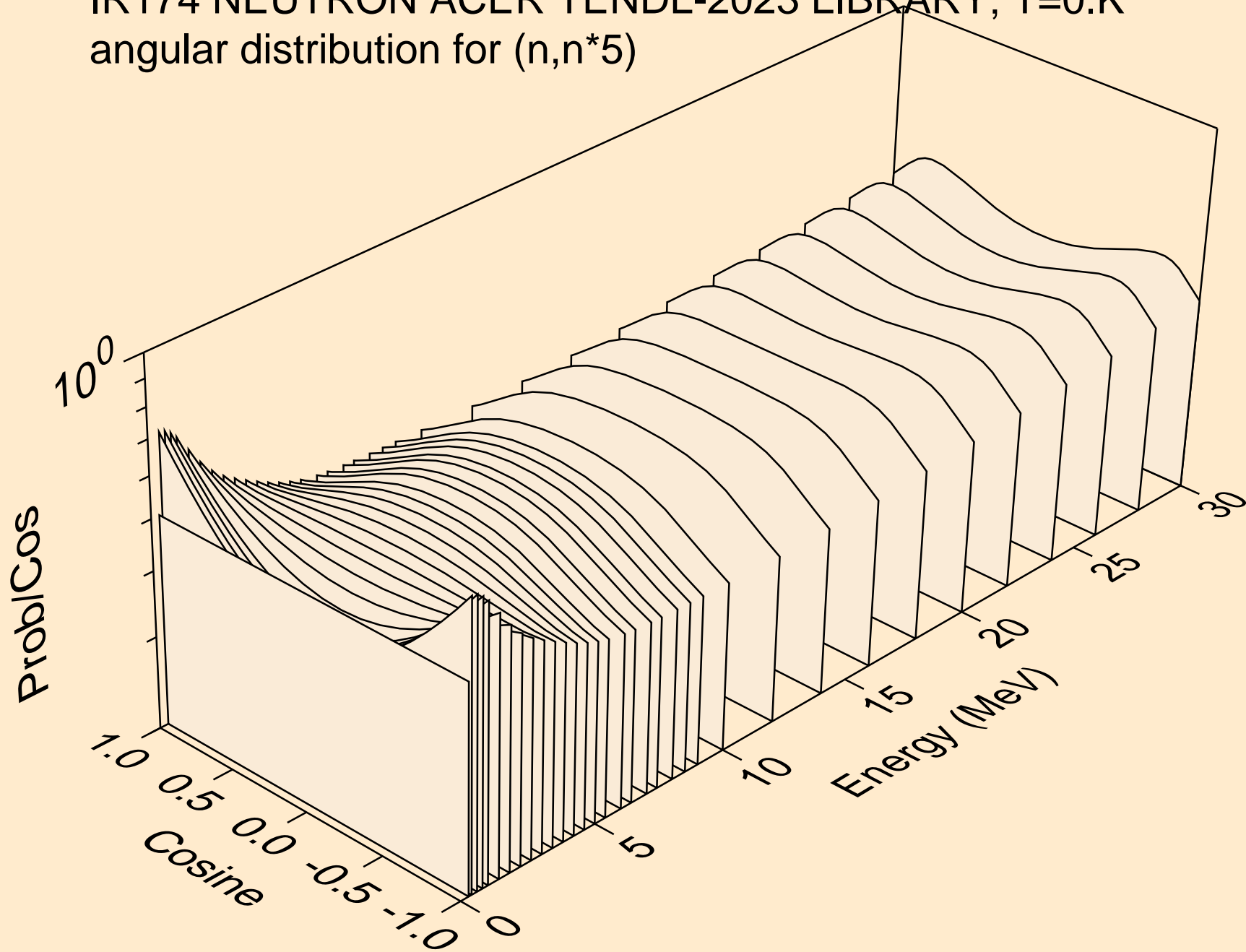
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*3)



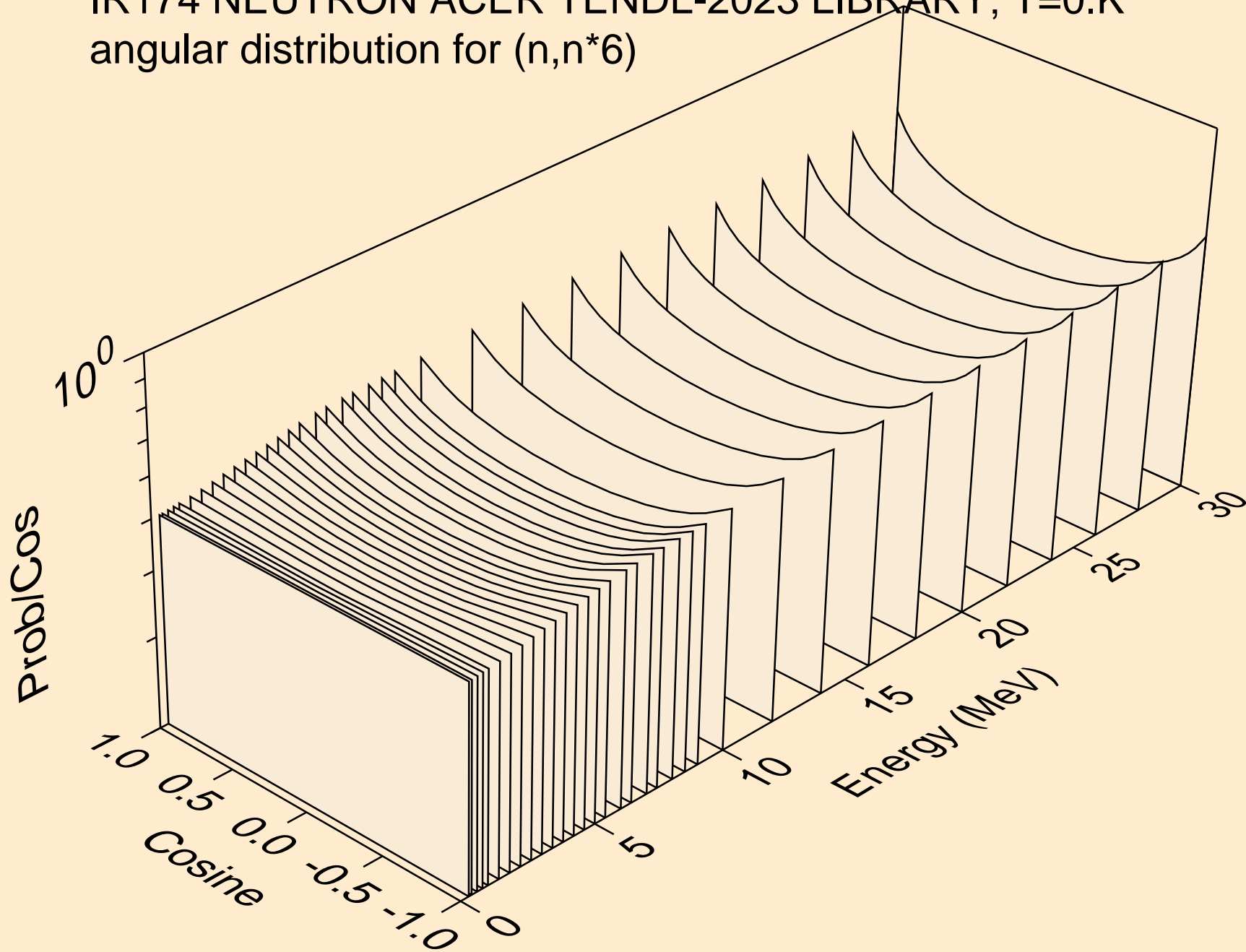
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*4)



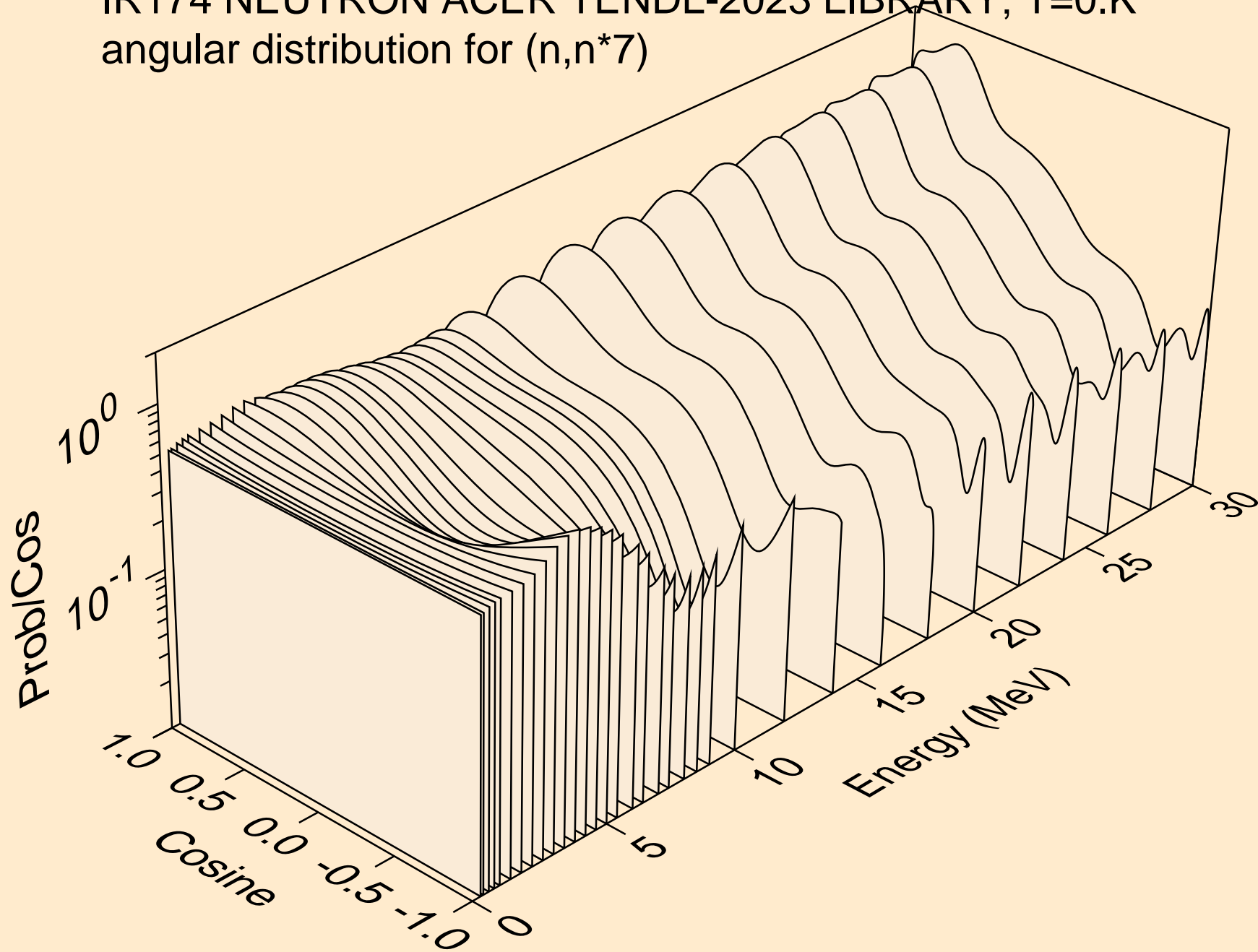
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*5)



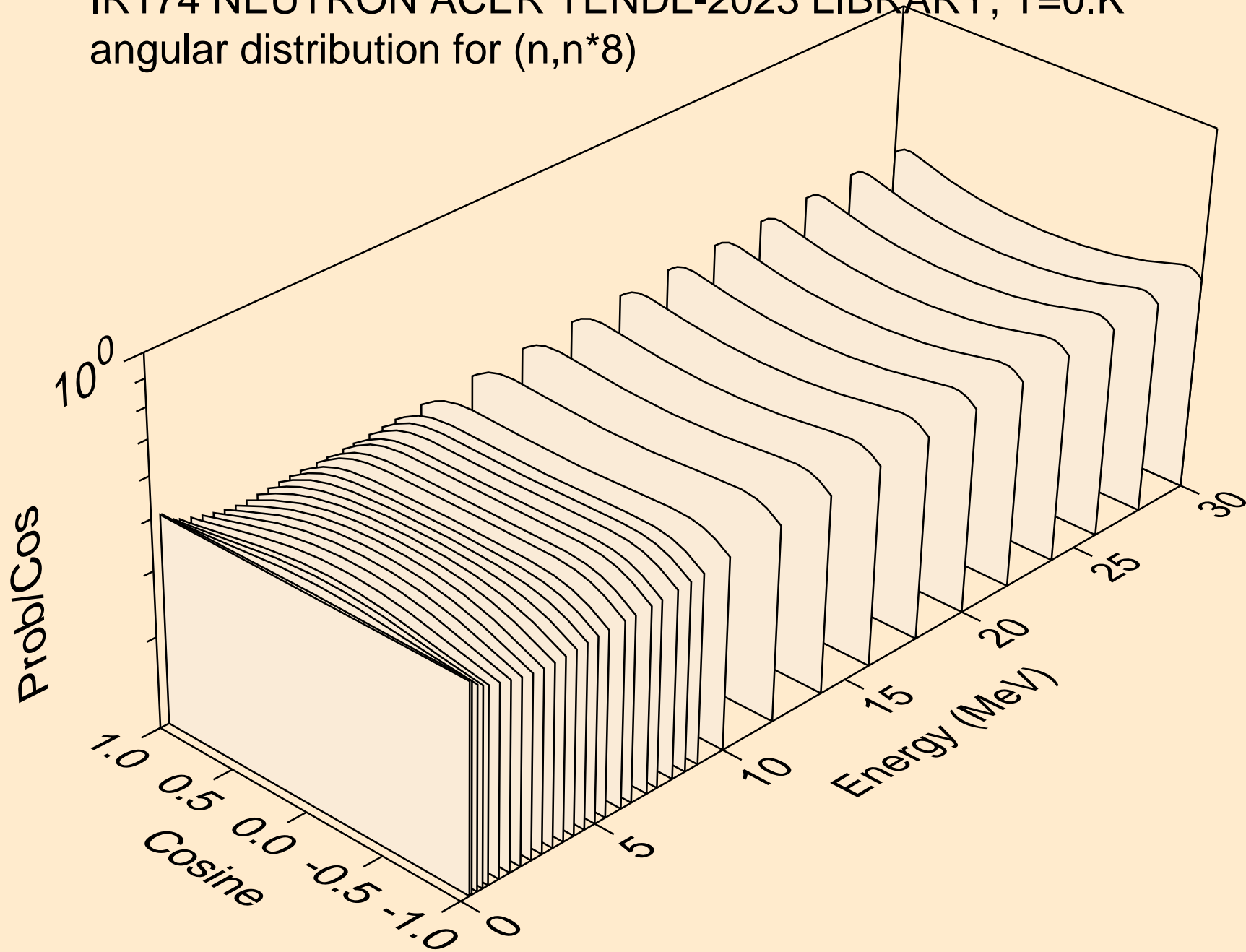
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*6)



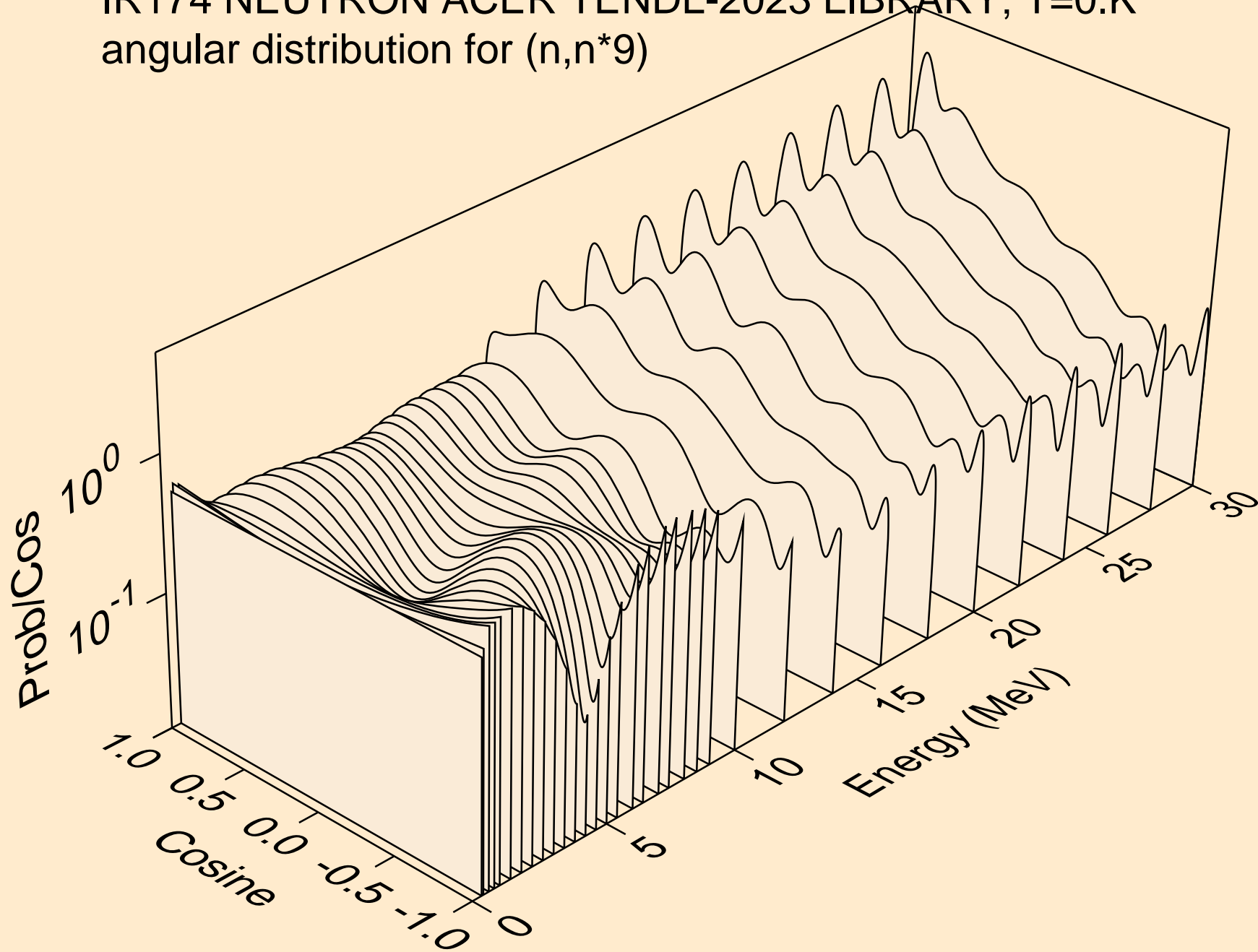
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*7)



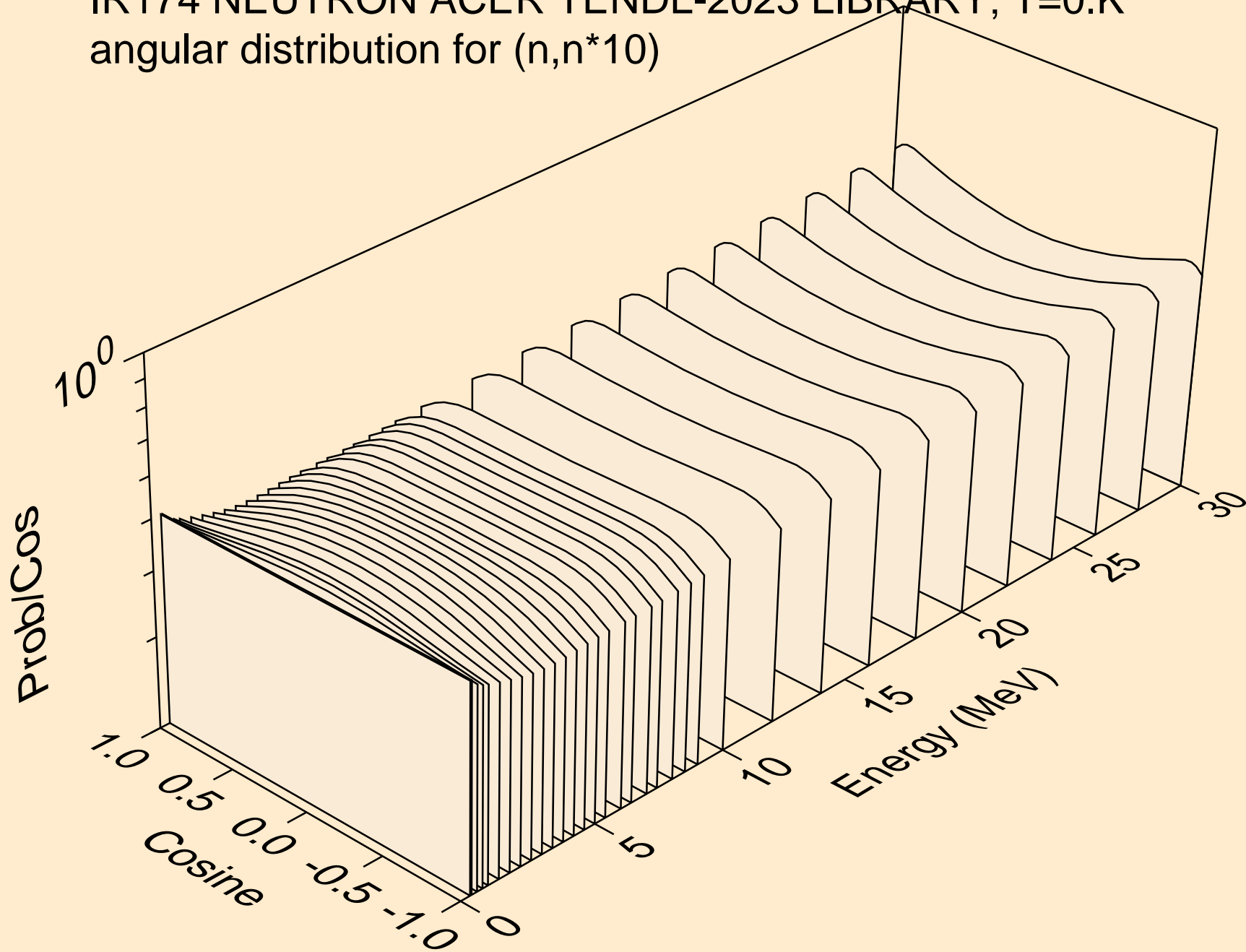
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*8)



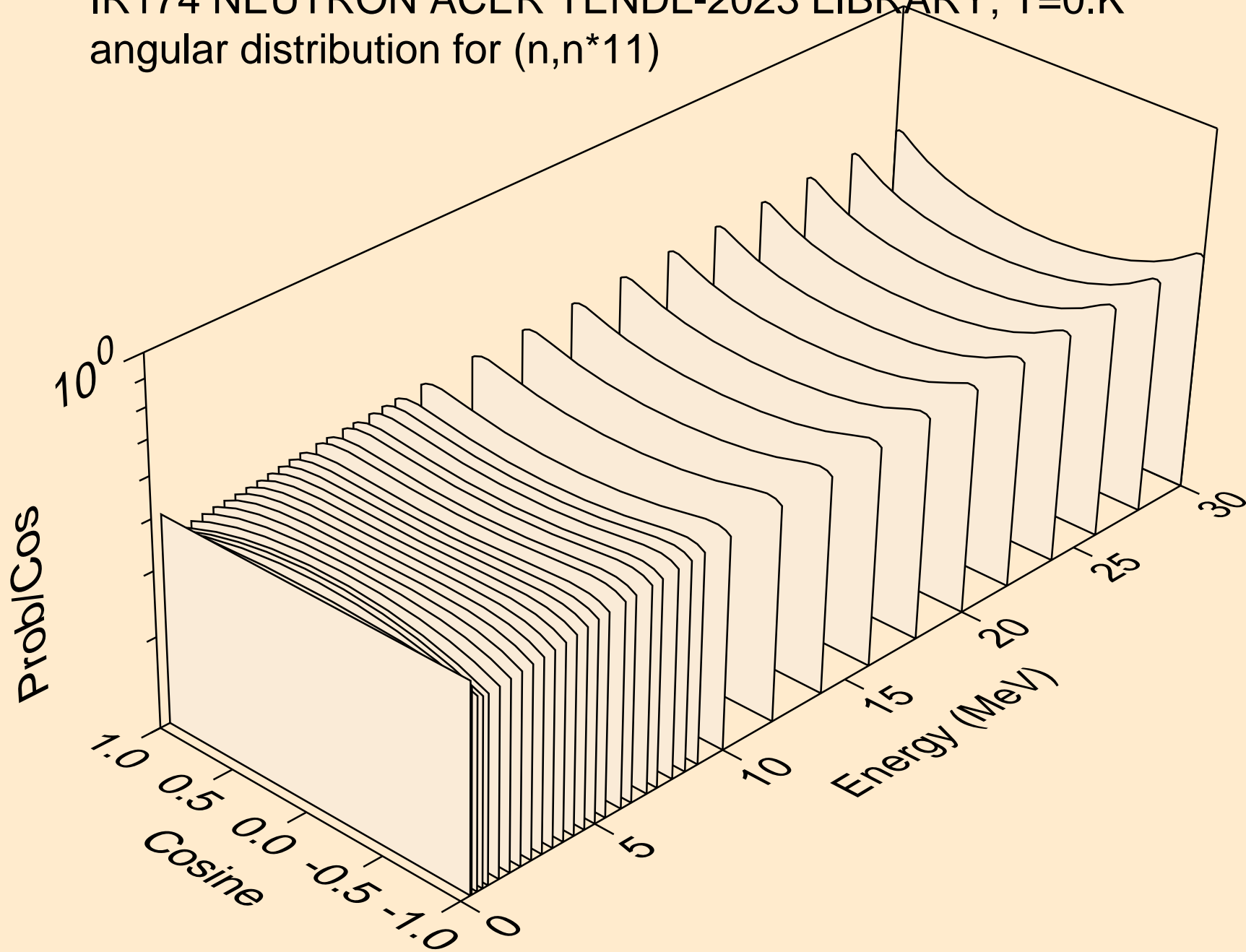
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



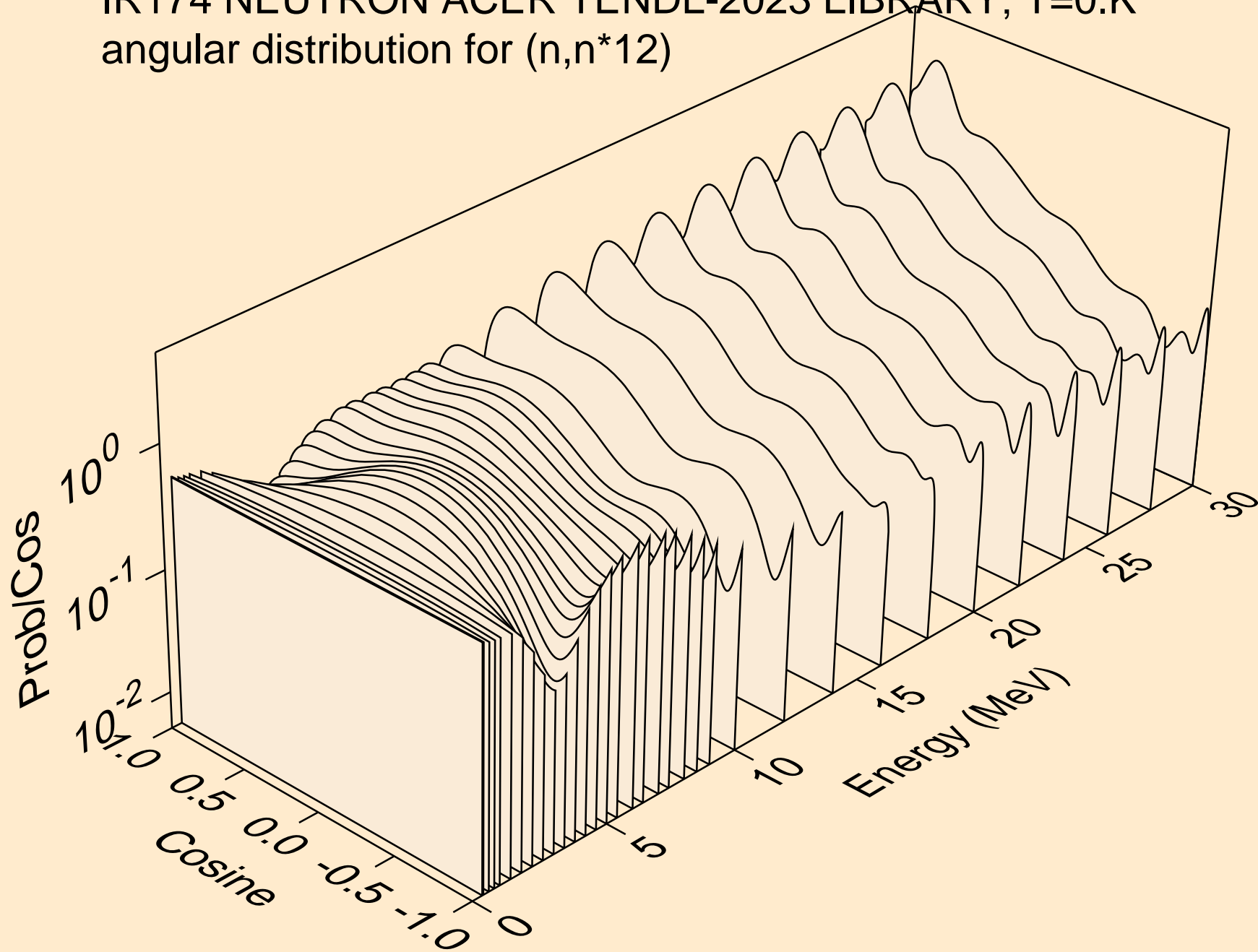
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)



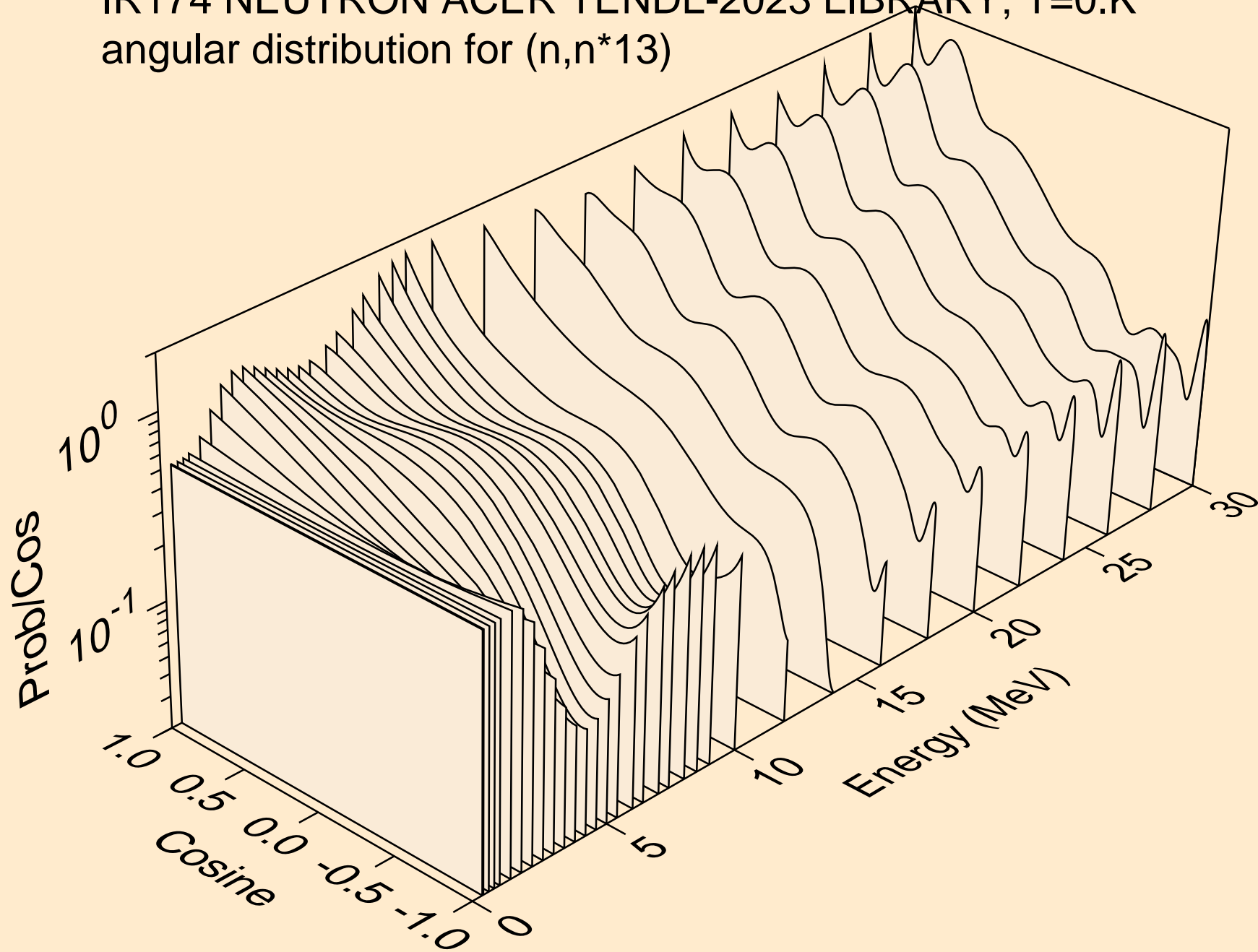
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*11)



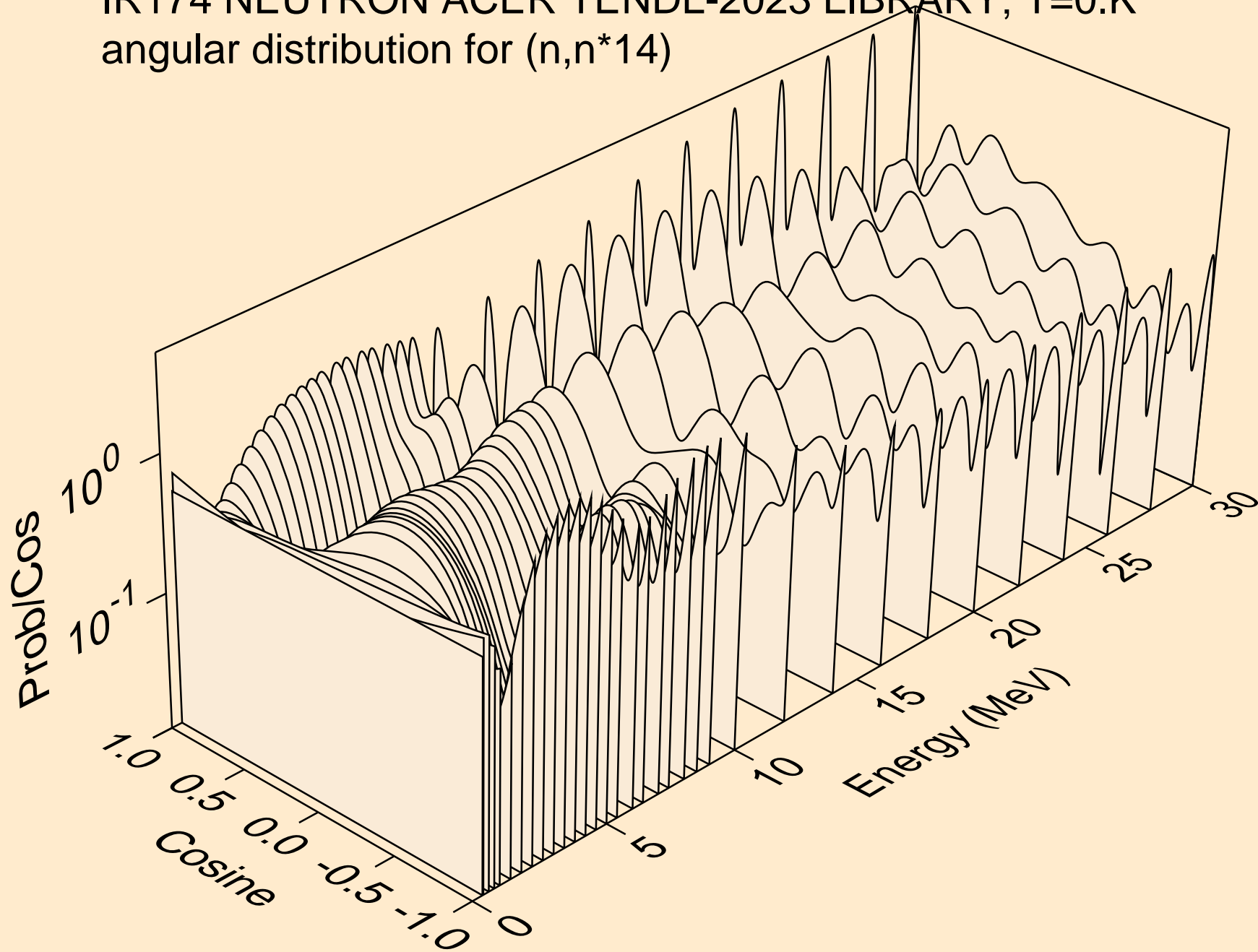
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*12)



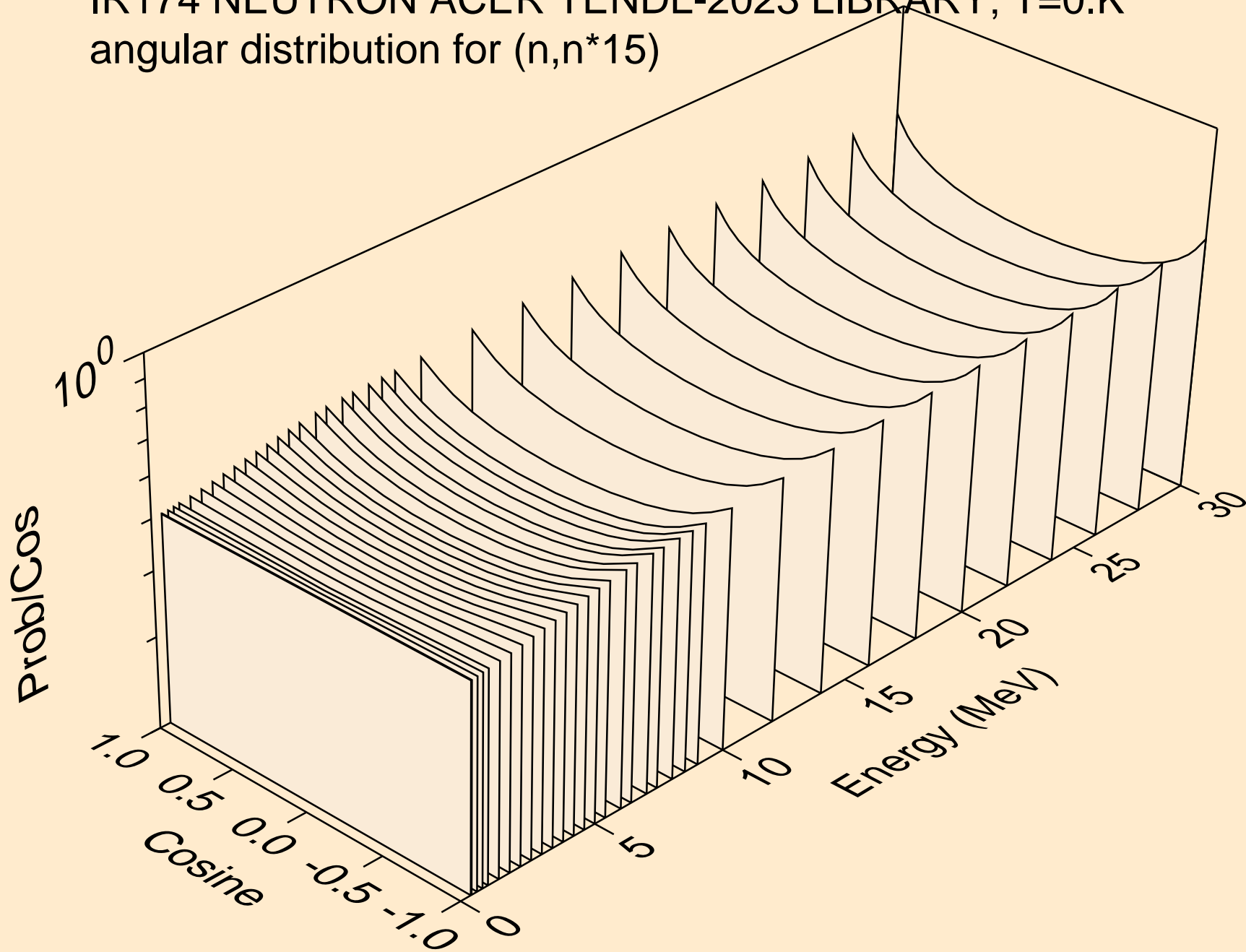
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*13)



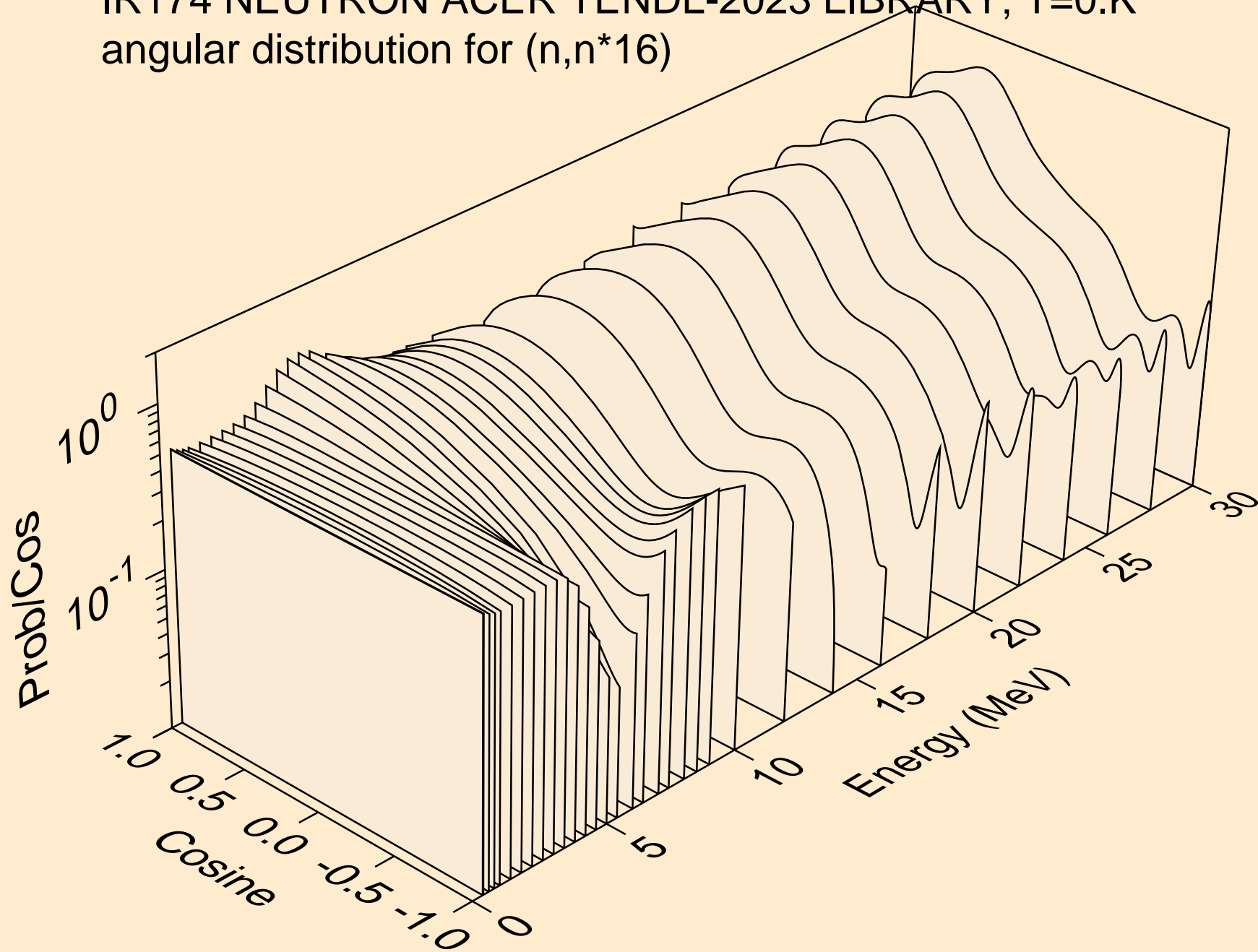
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*14)



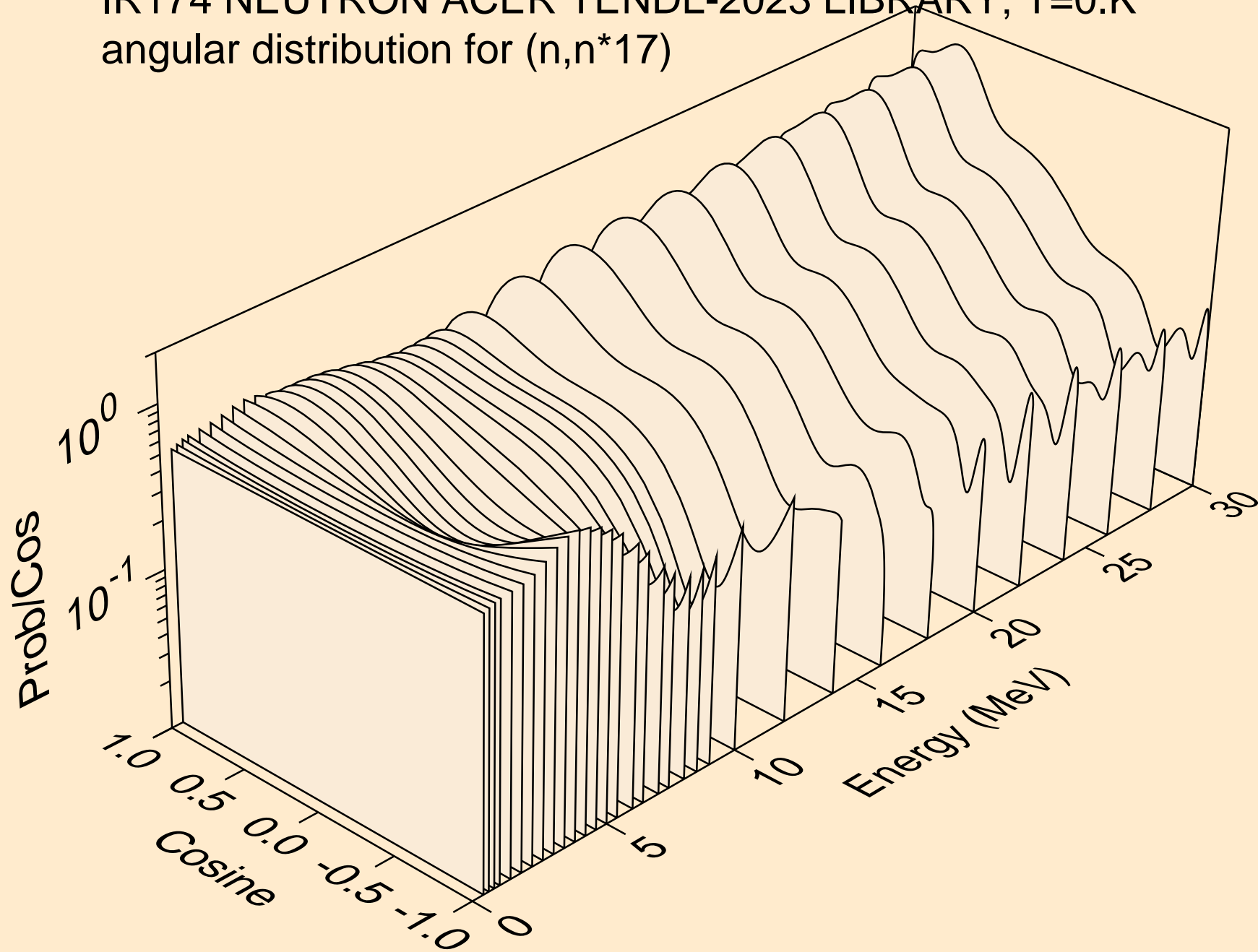
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*15)



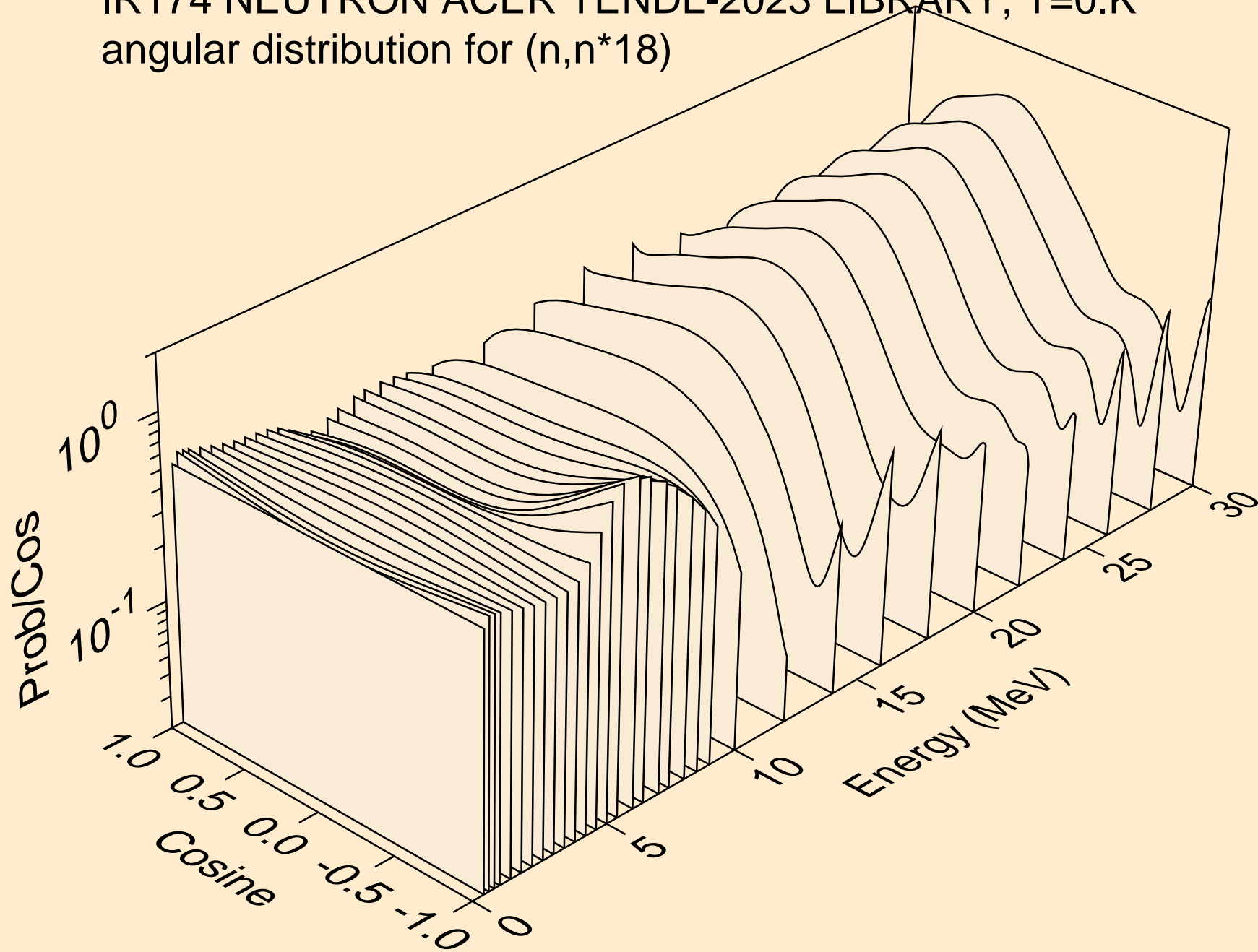
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*16)



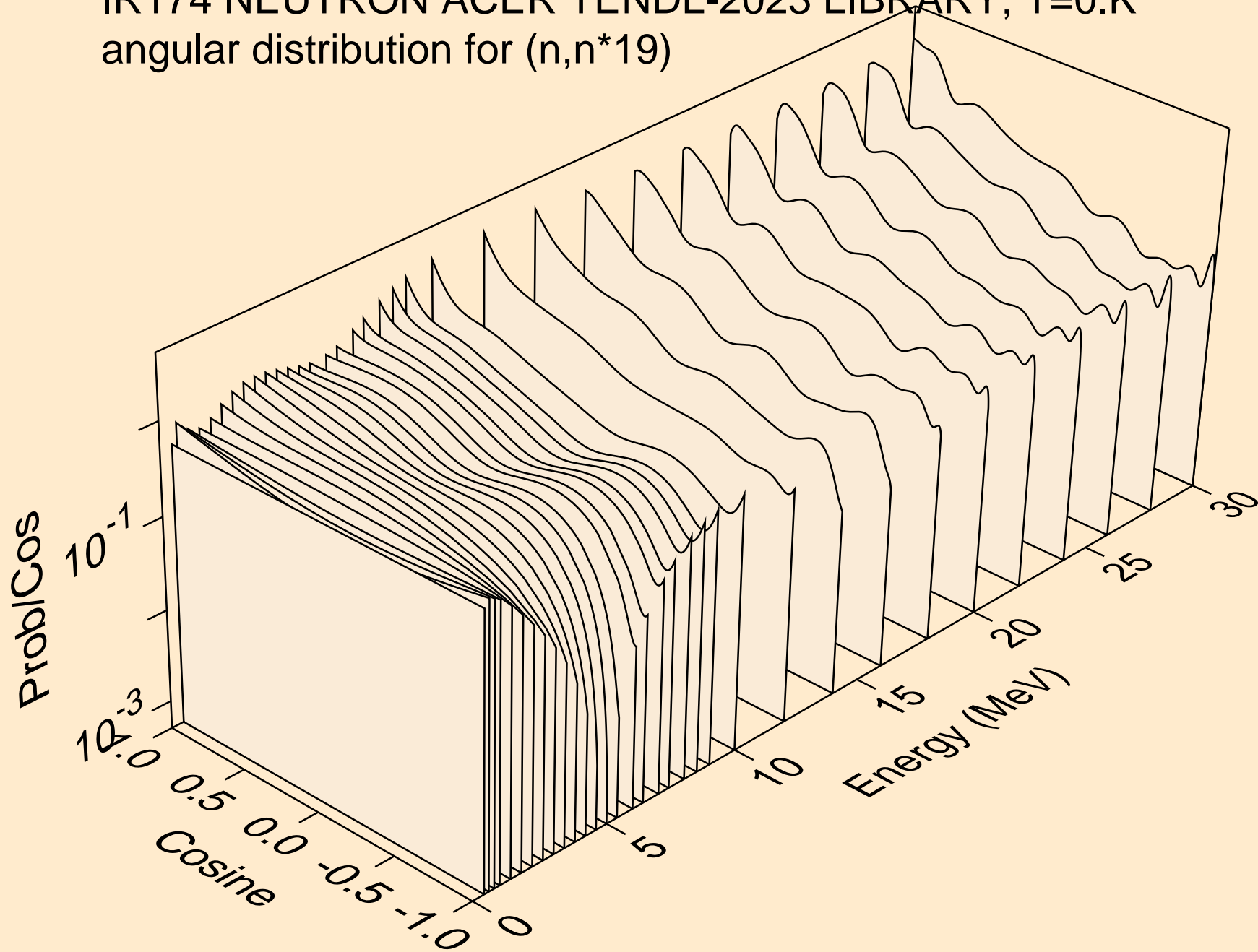
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*17)



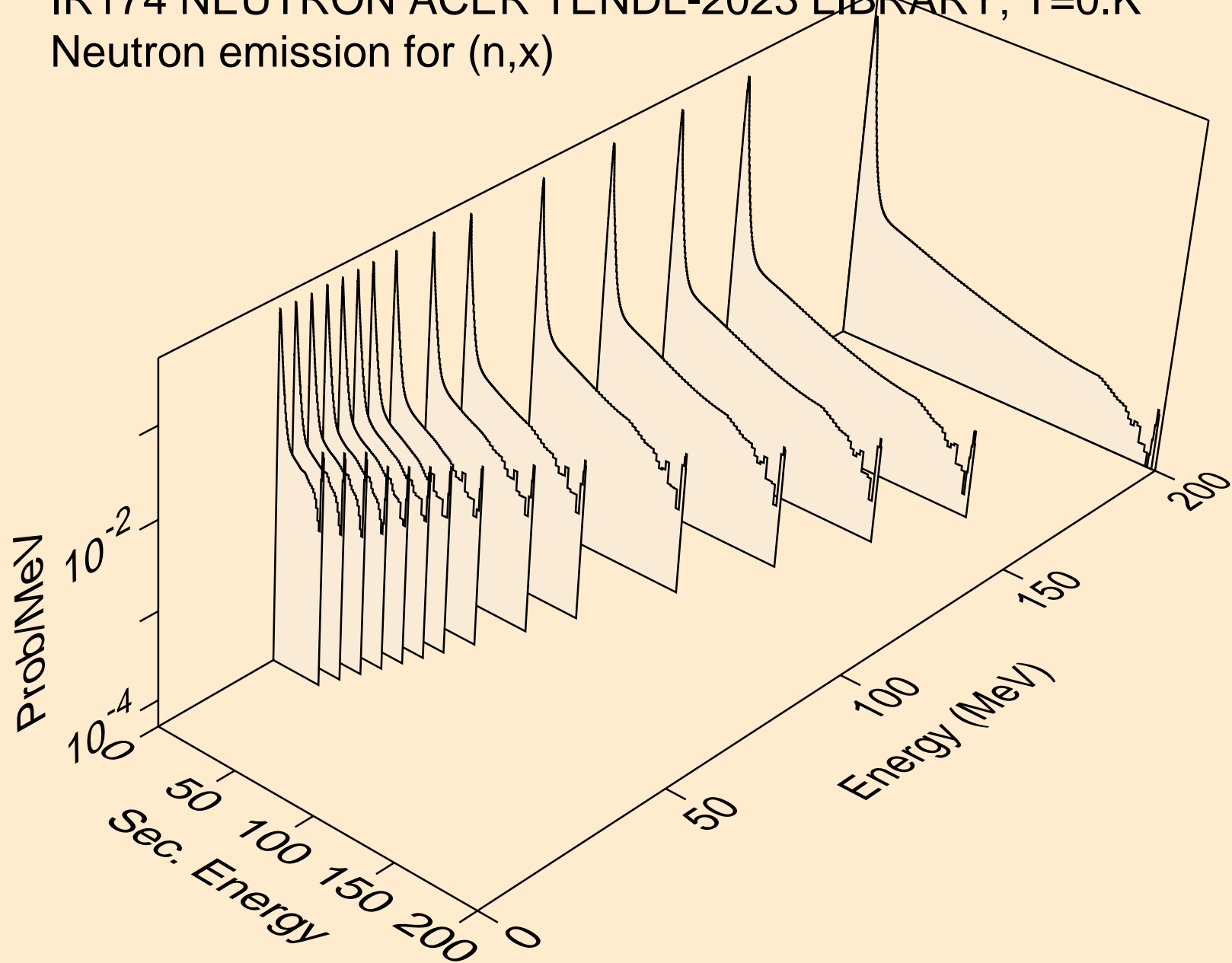
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*18)



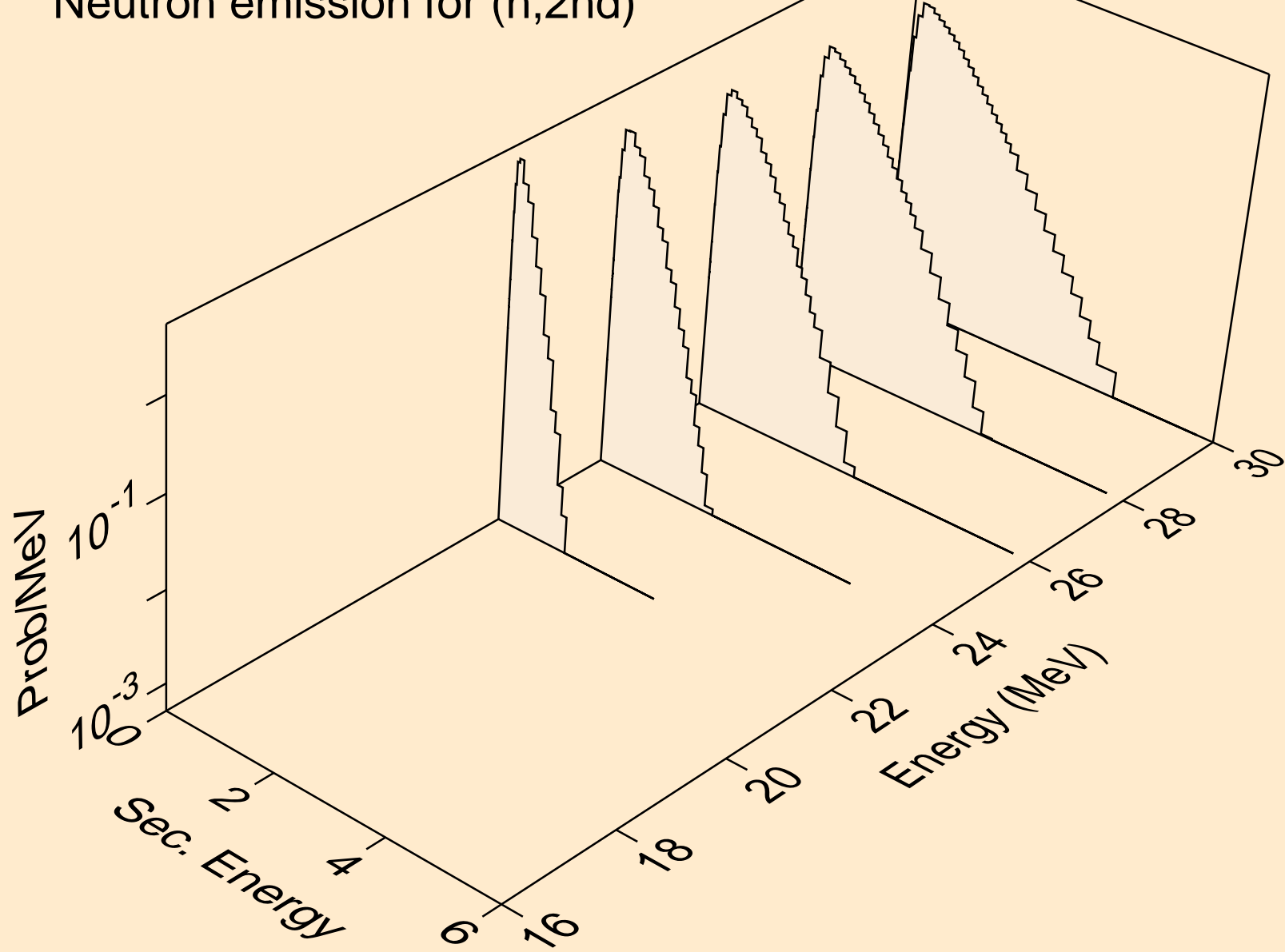
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*19)



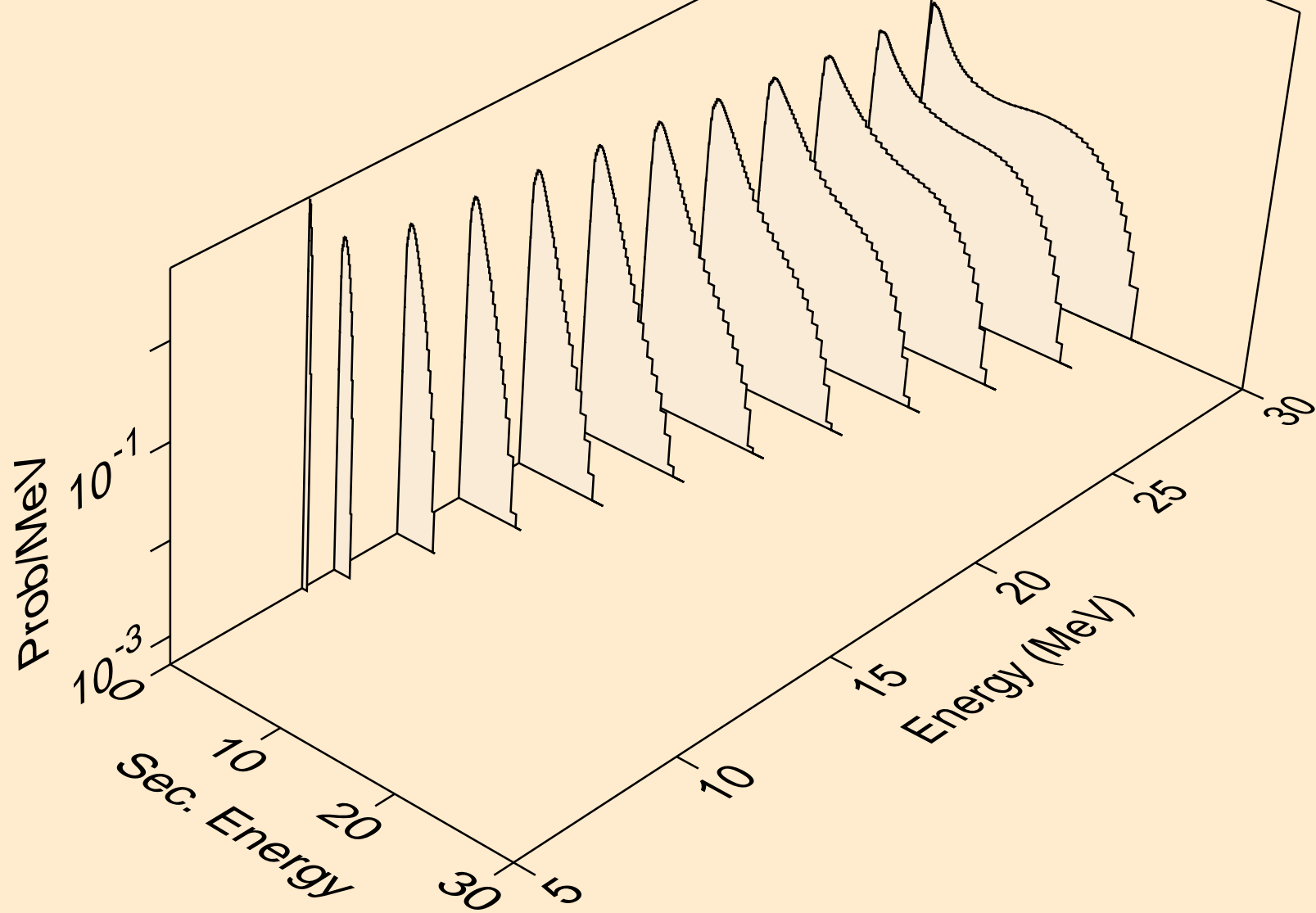
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



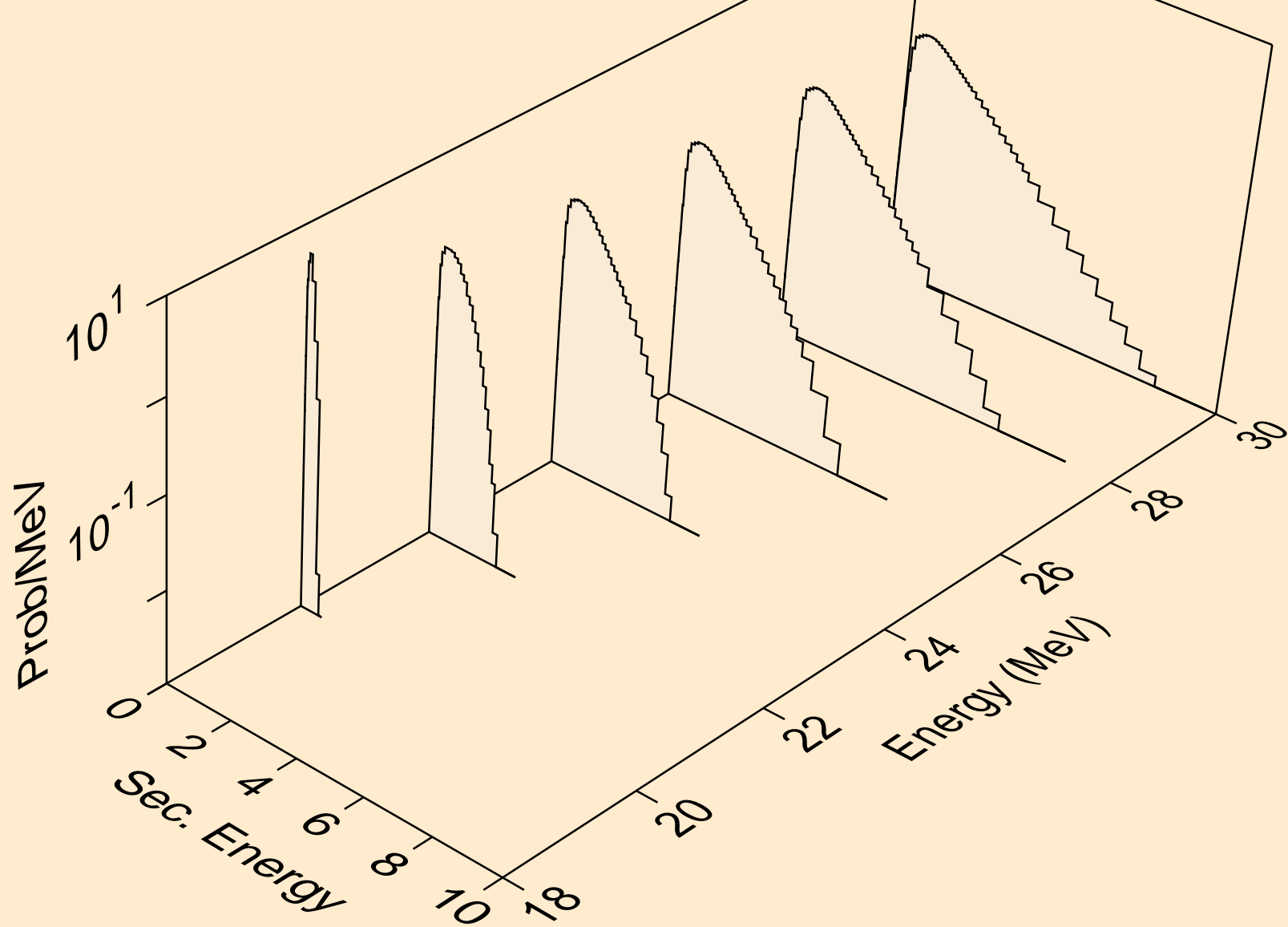
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)



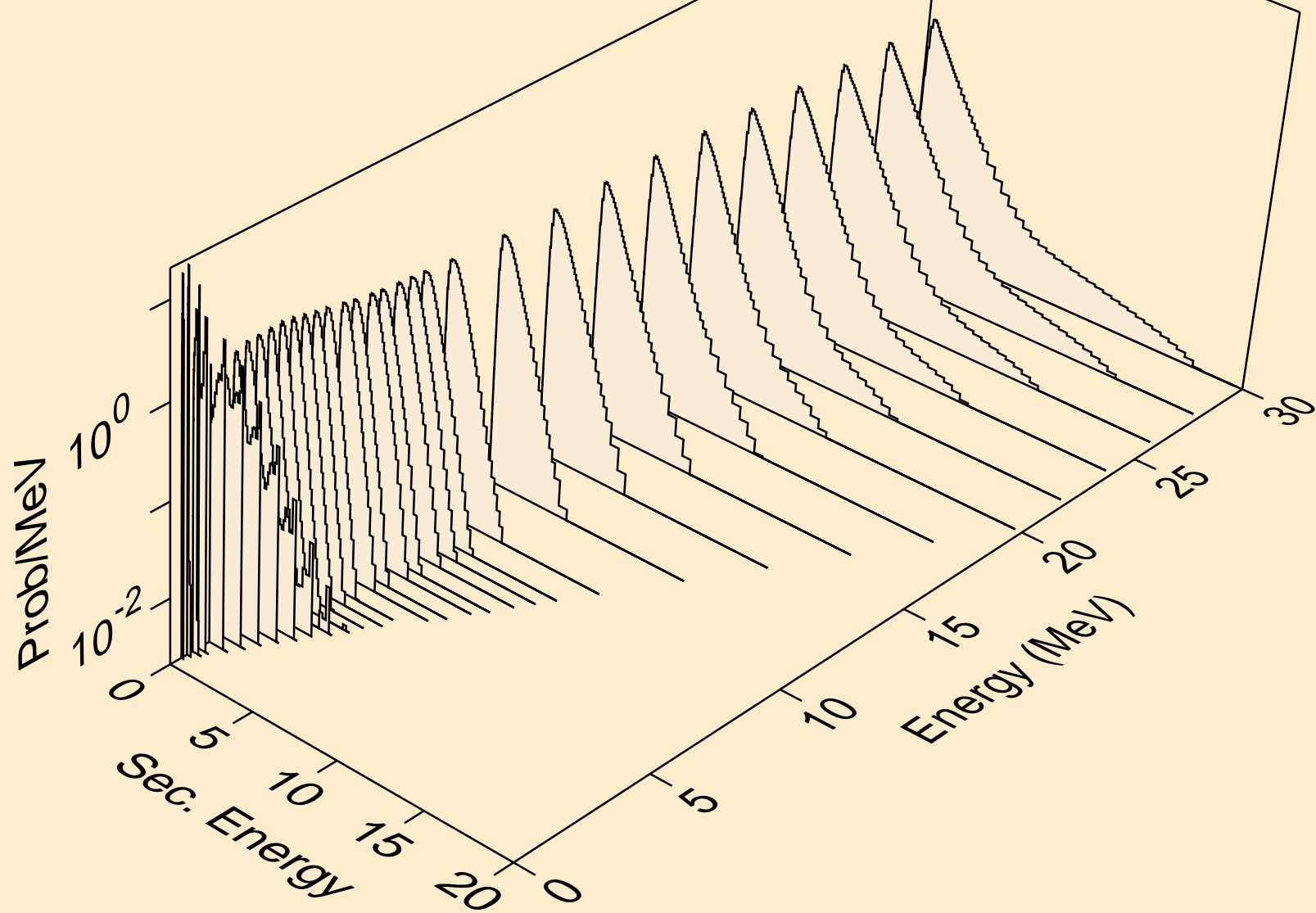
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)



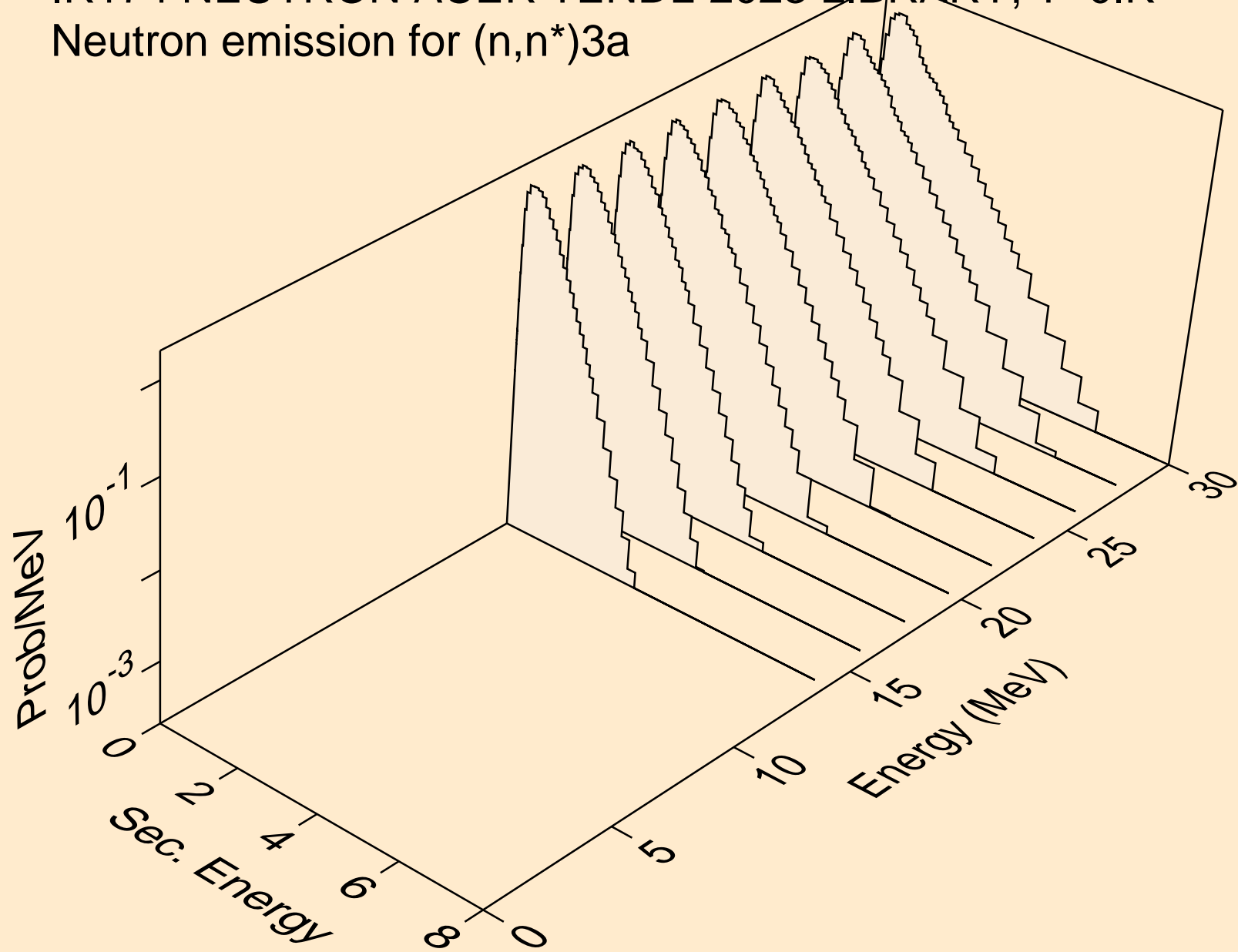
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)



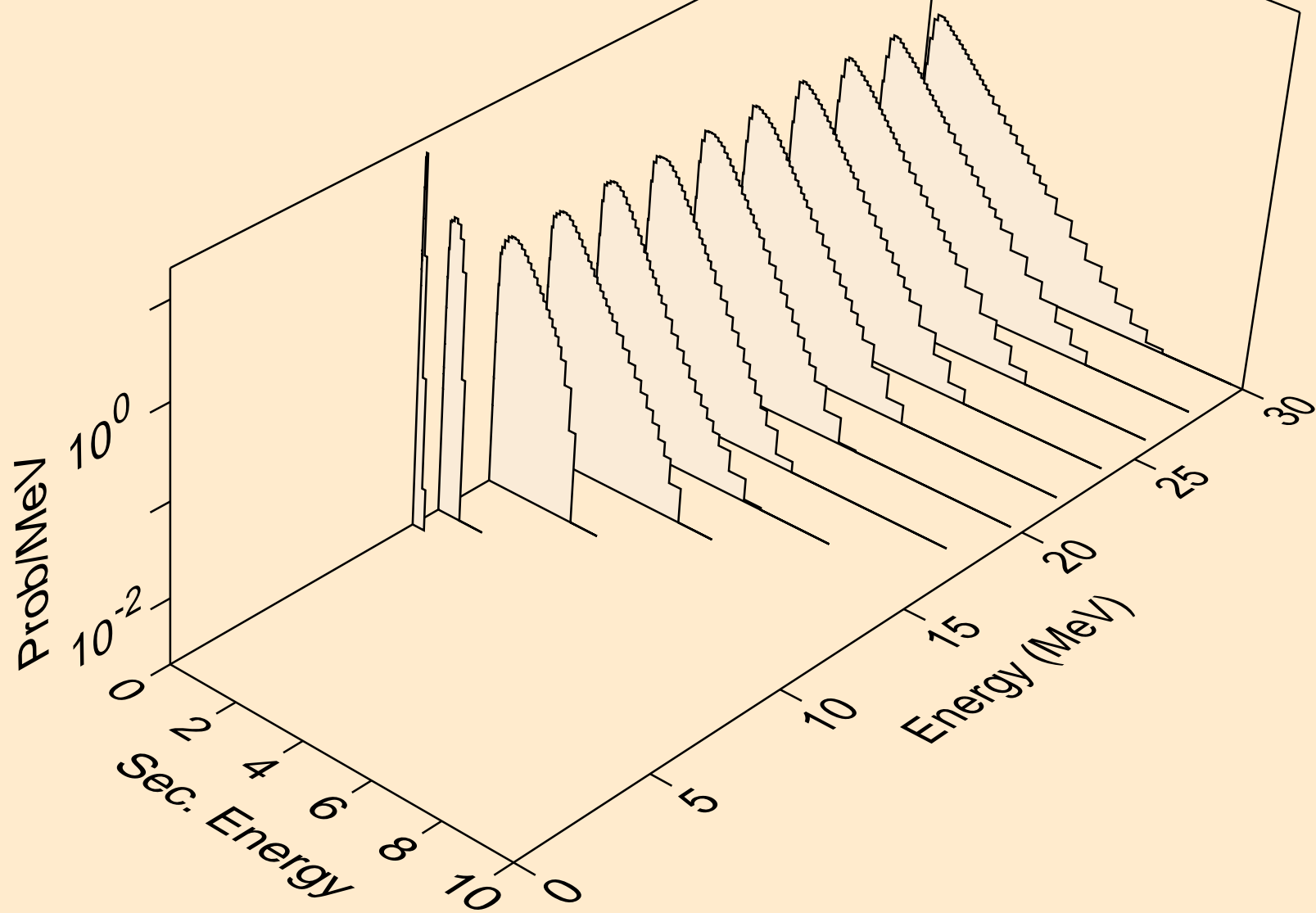
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



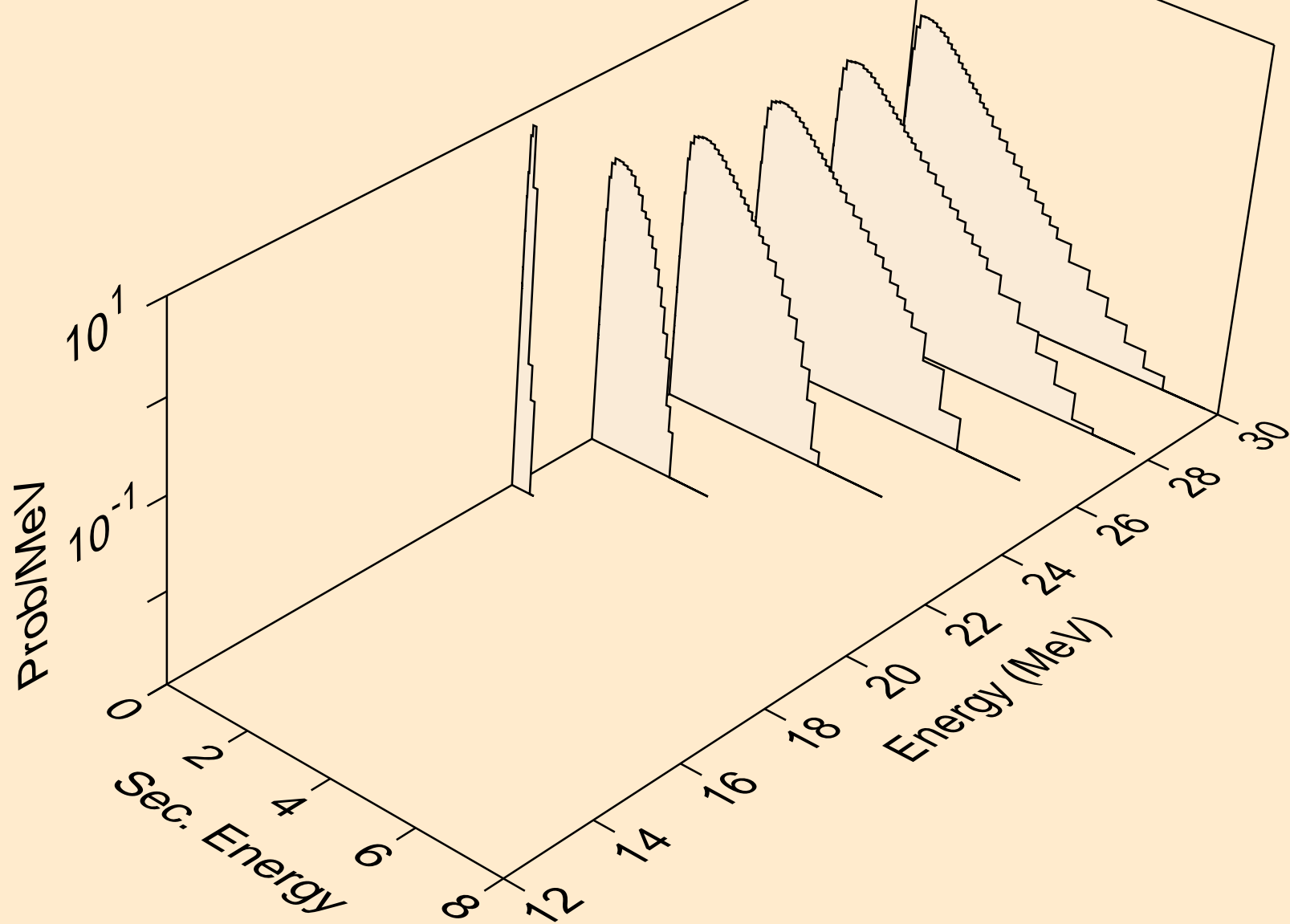
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a



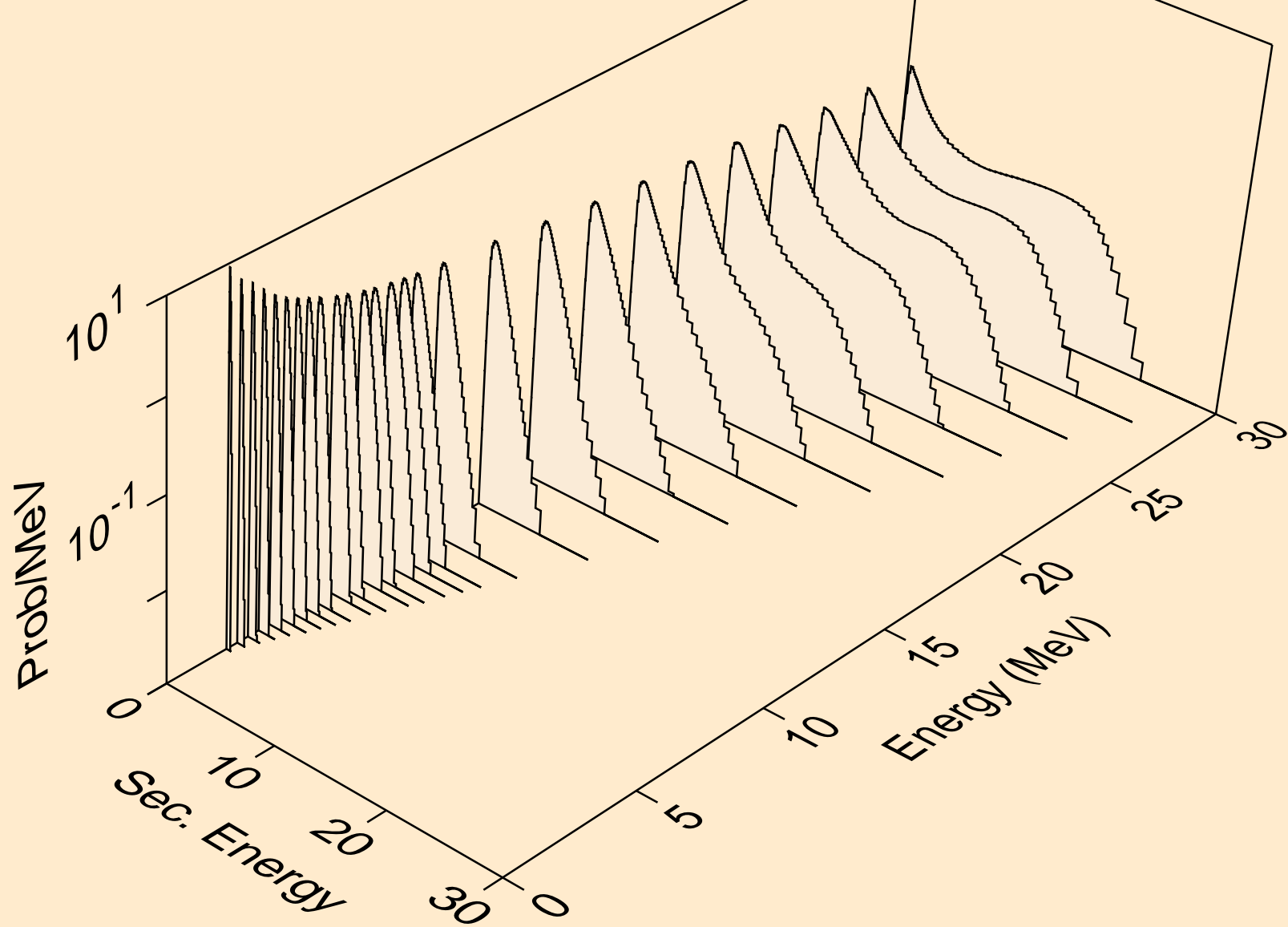
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)a



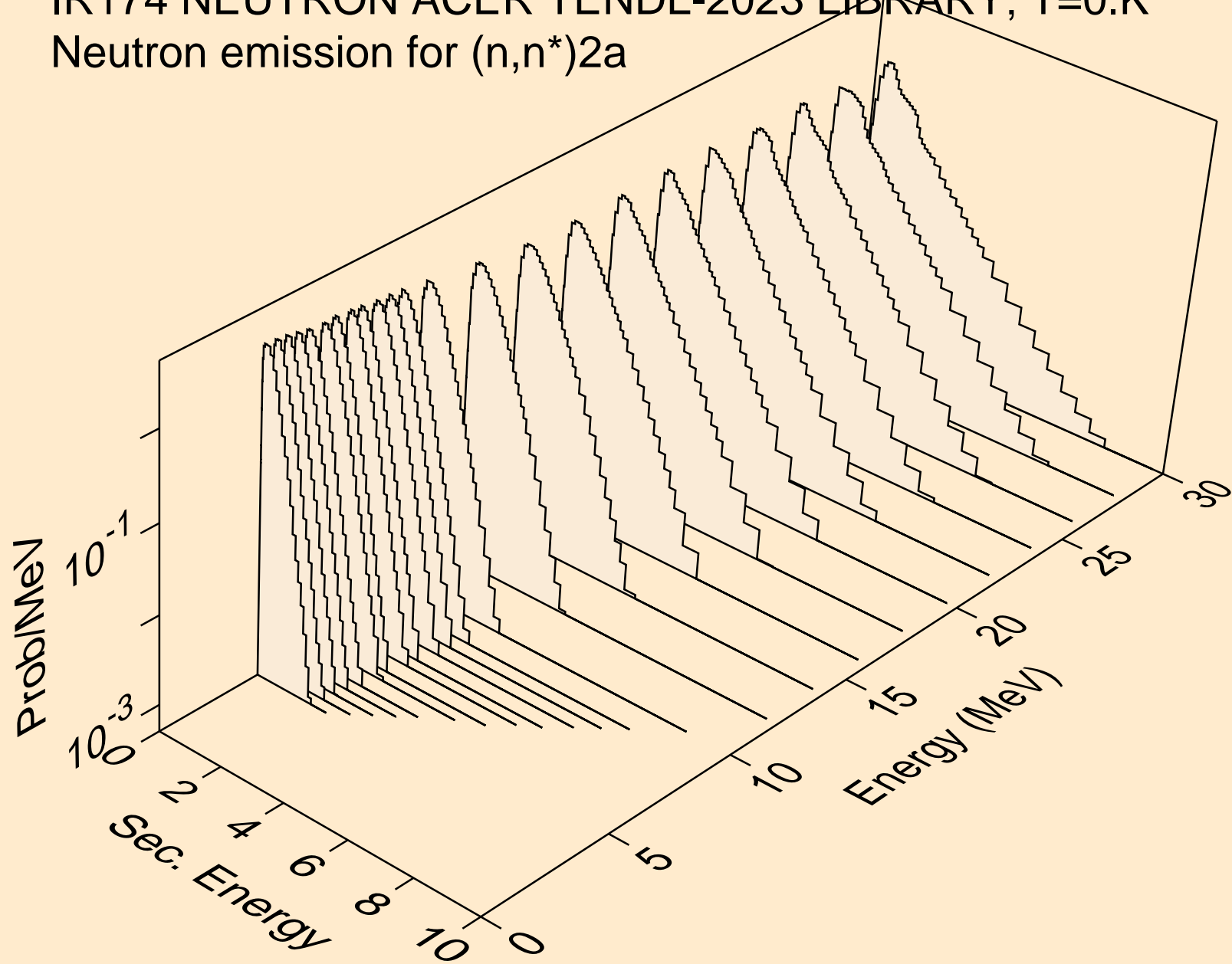
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3n)a



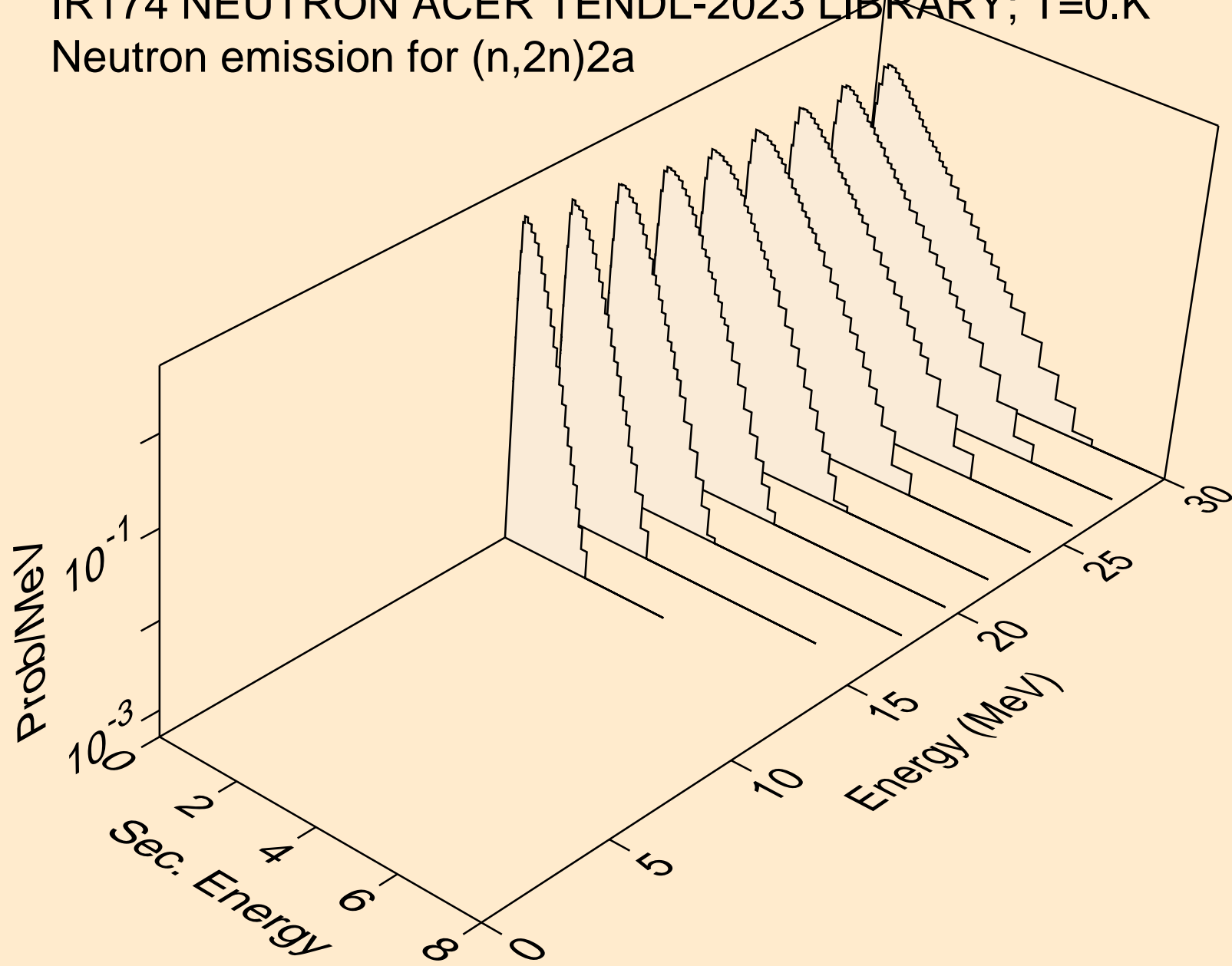
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)p



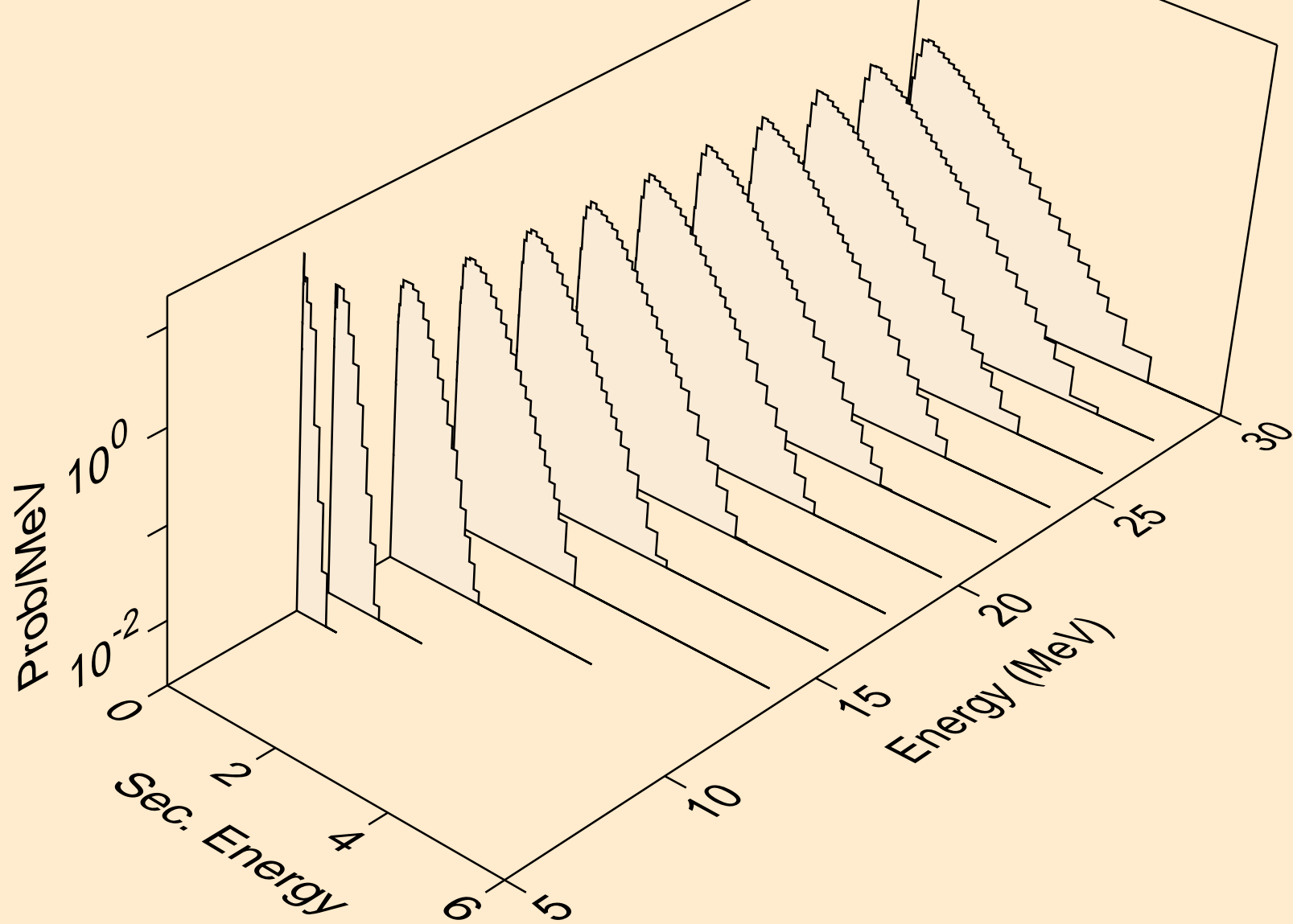
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)2a



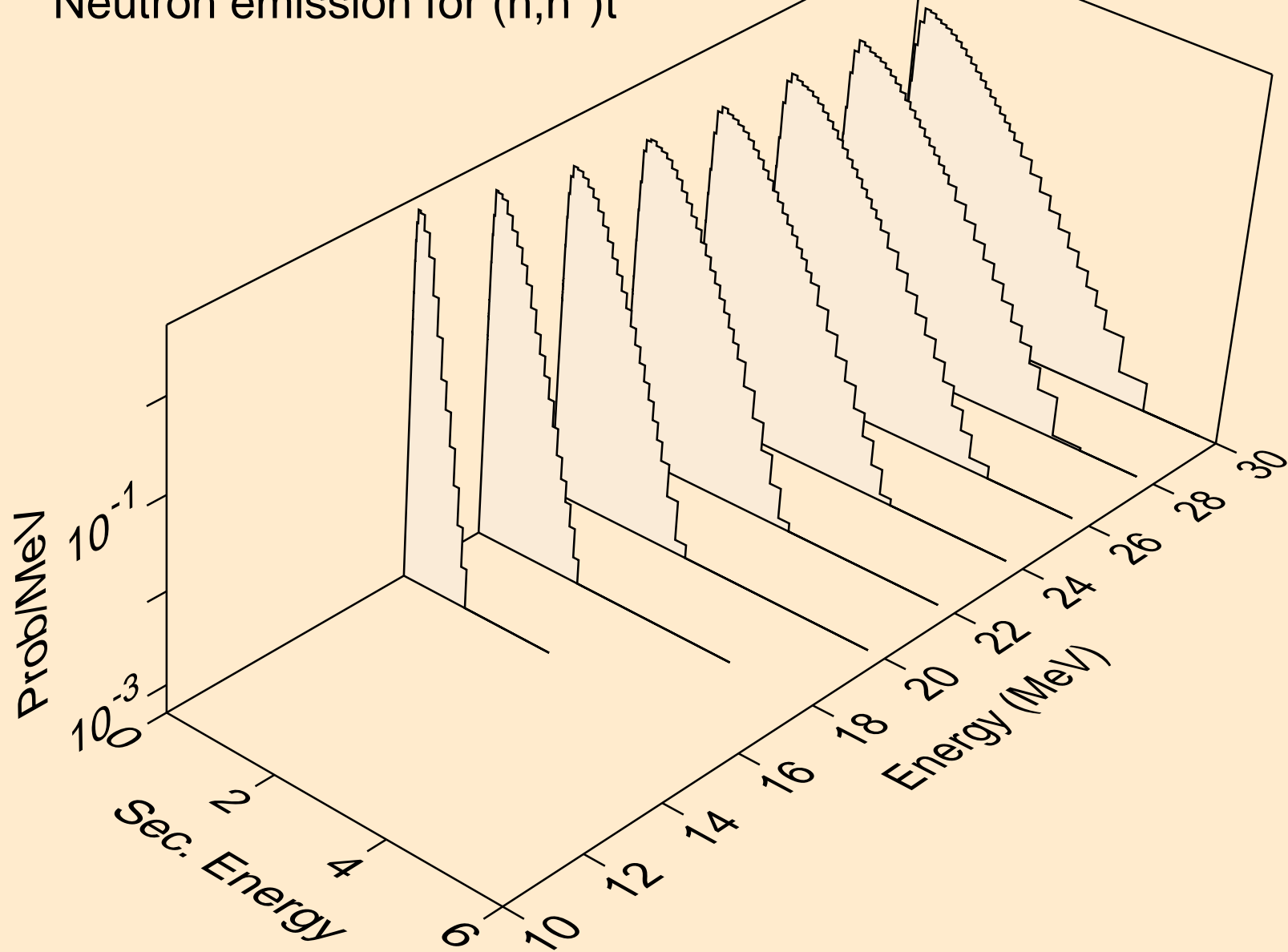
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)2a



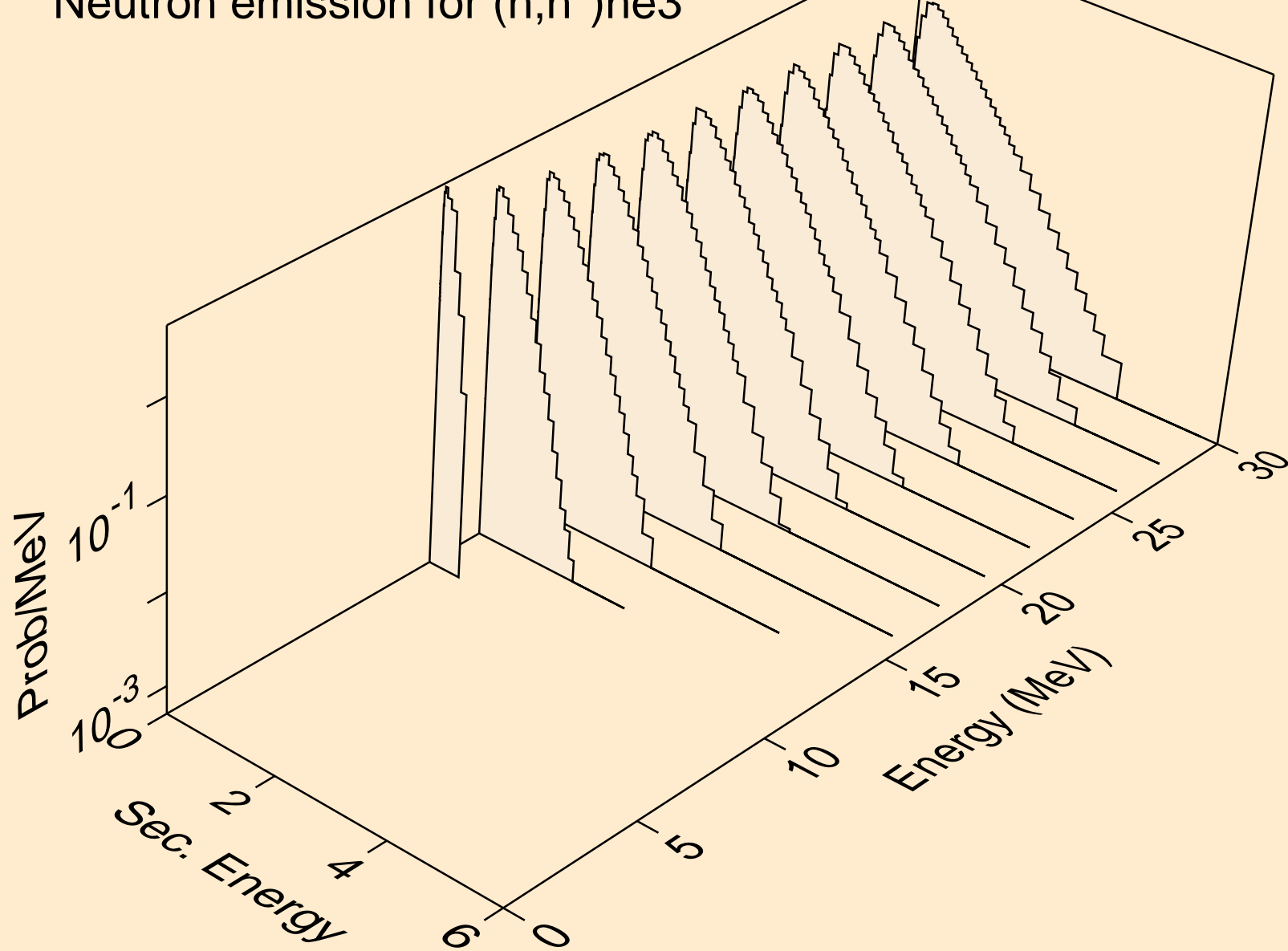
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



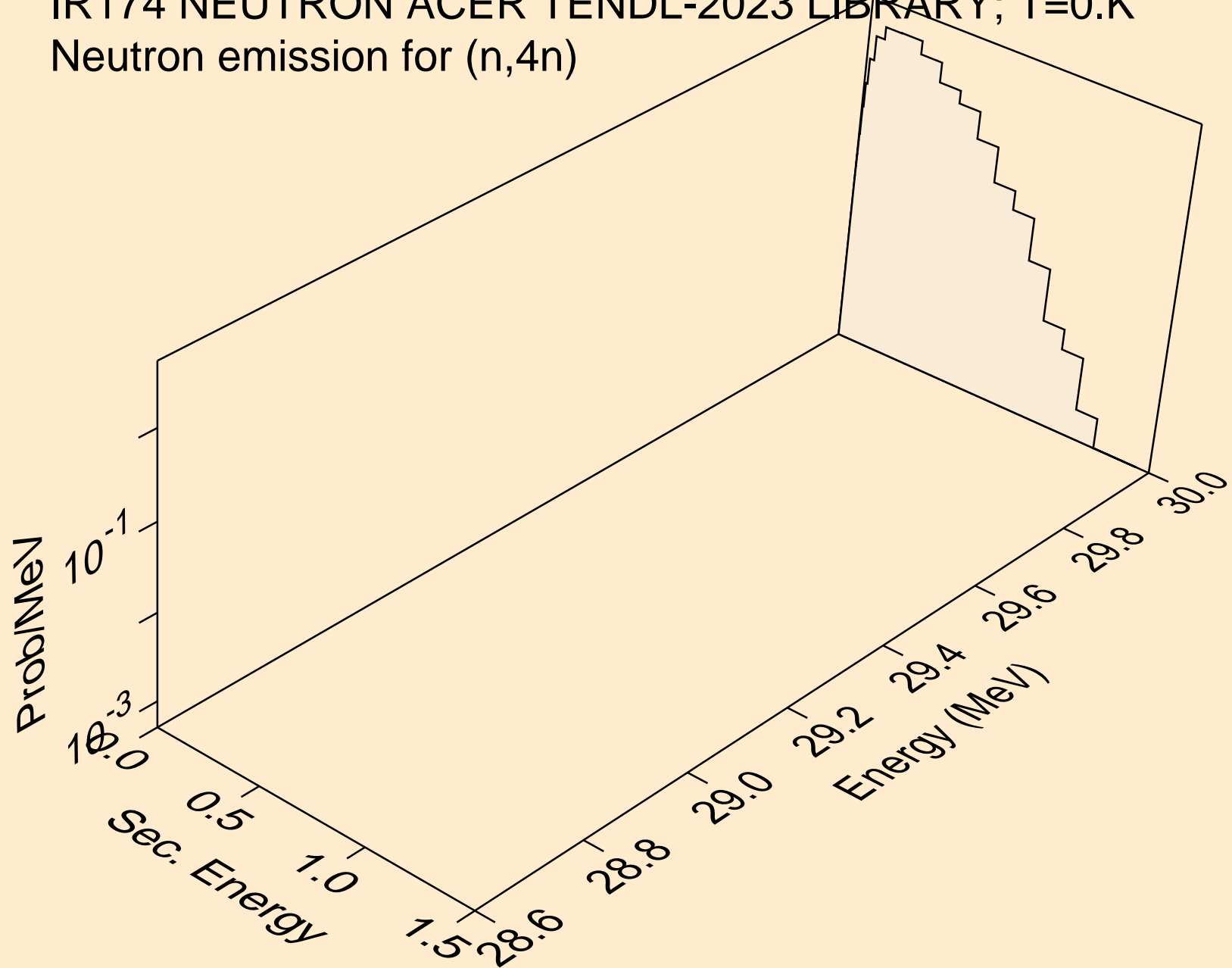
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



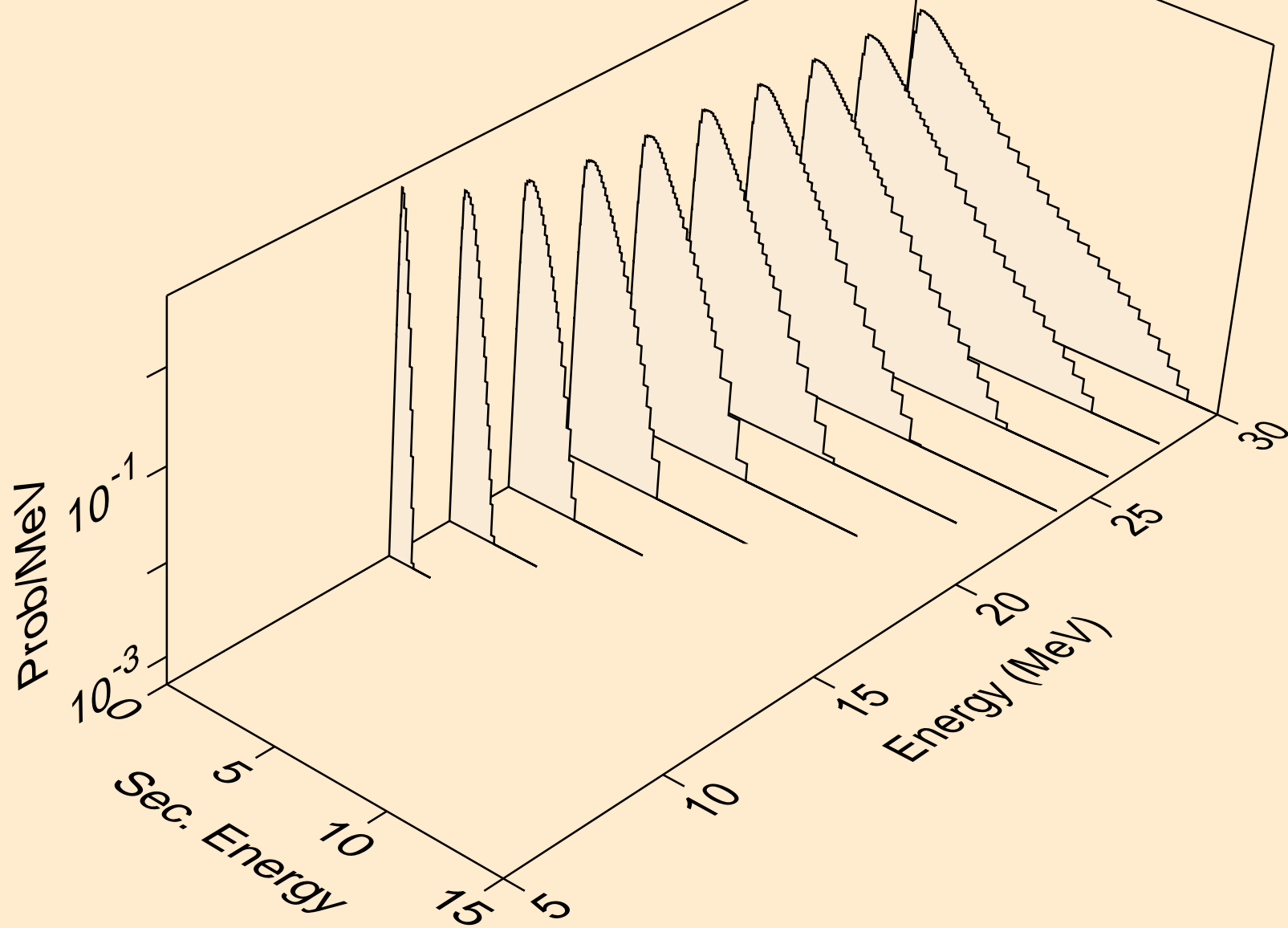
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3



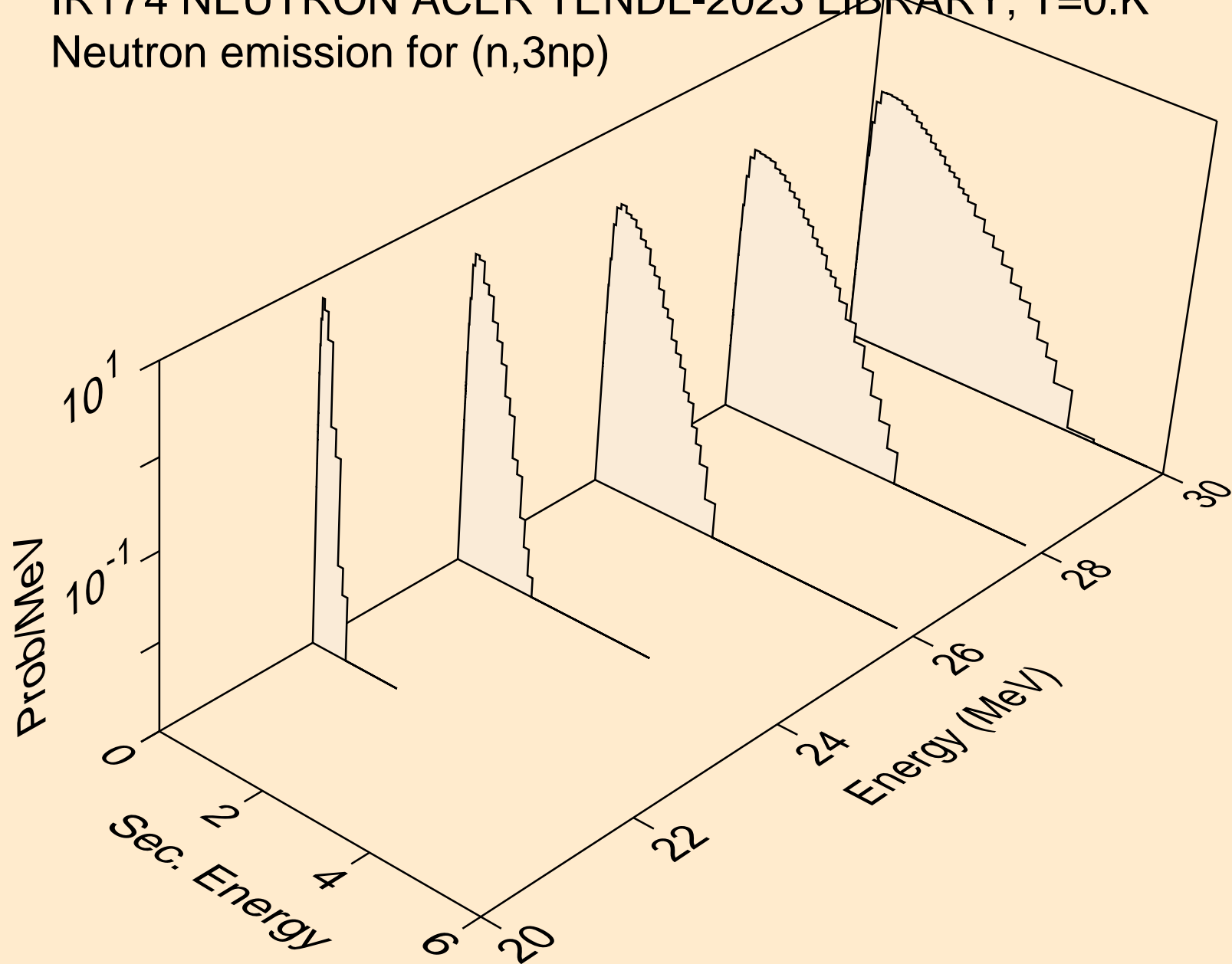
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,4n)



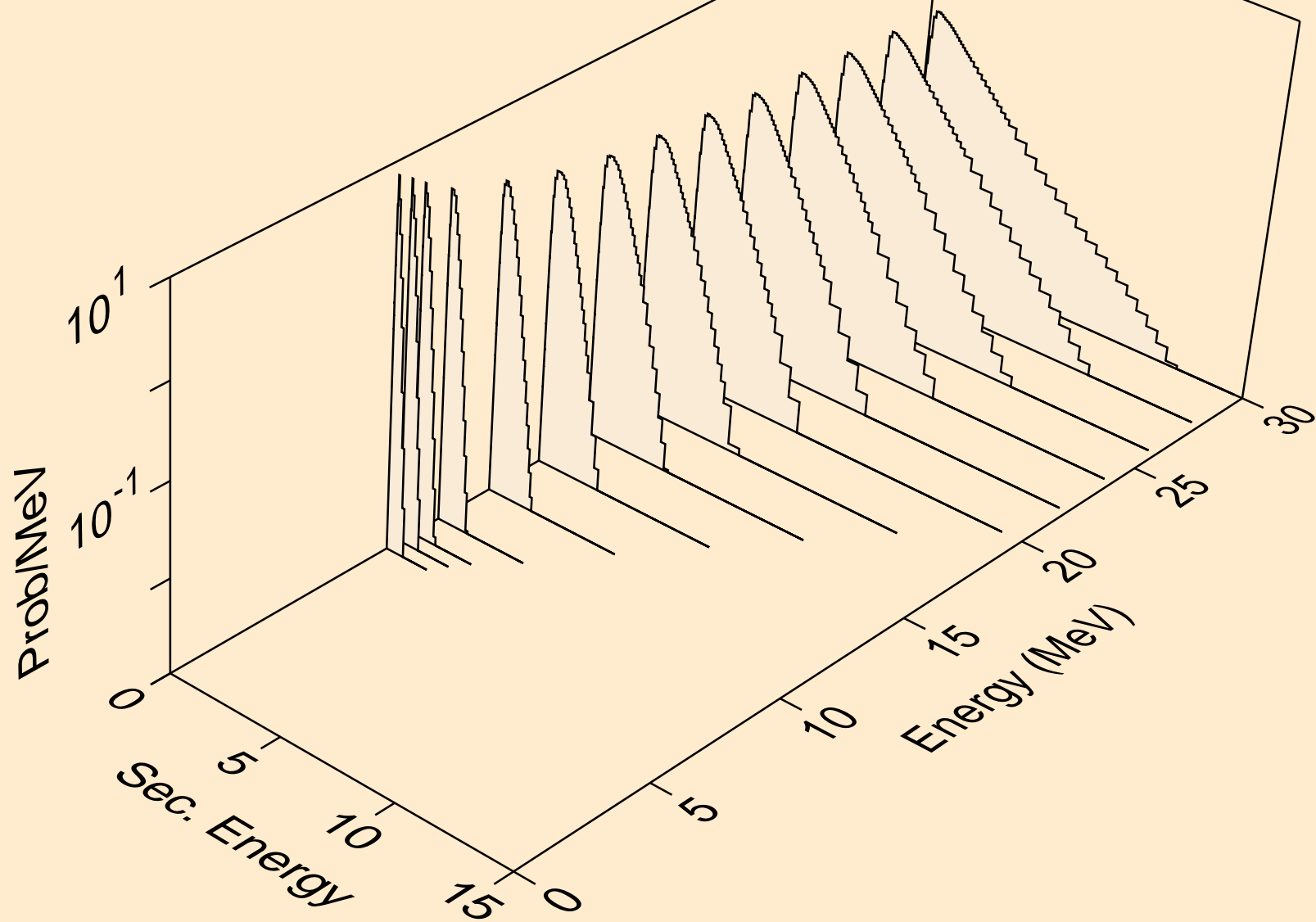
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2np)



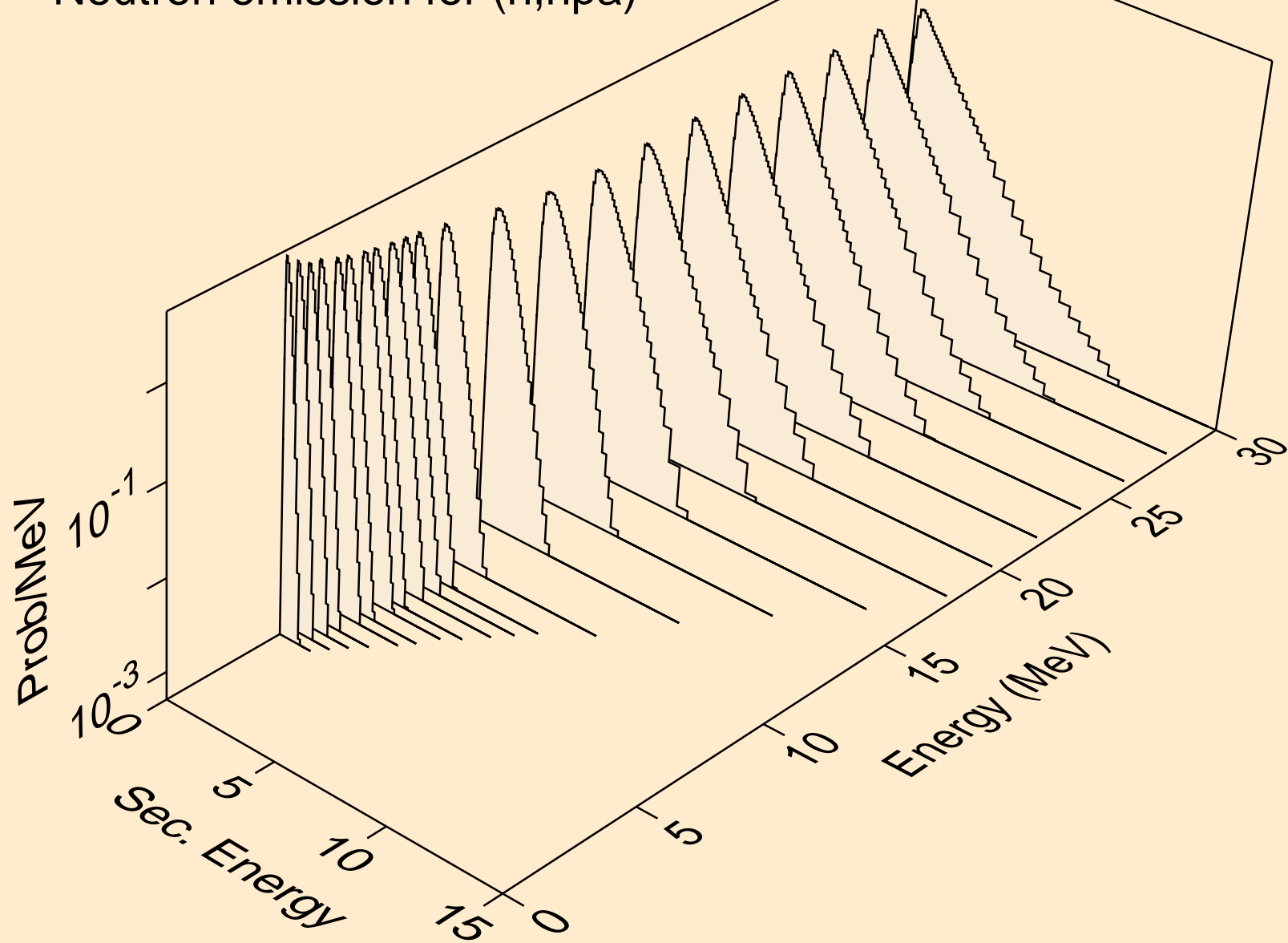
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,3np)



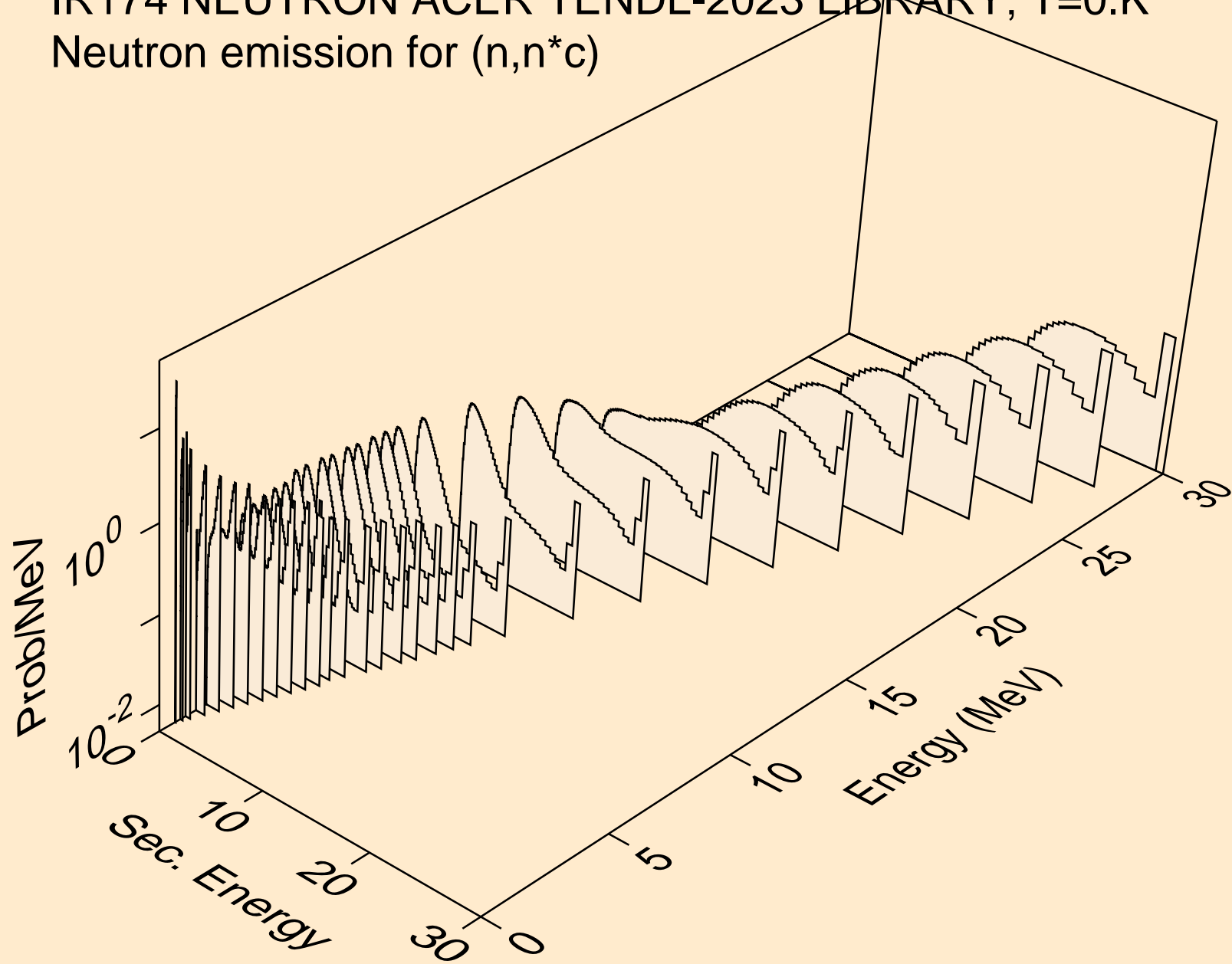
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



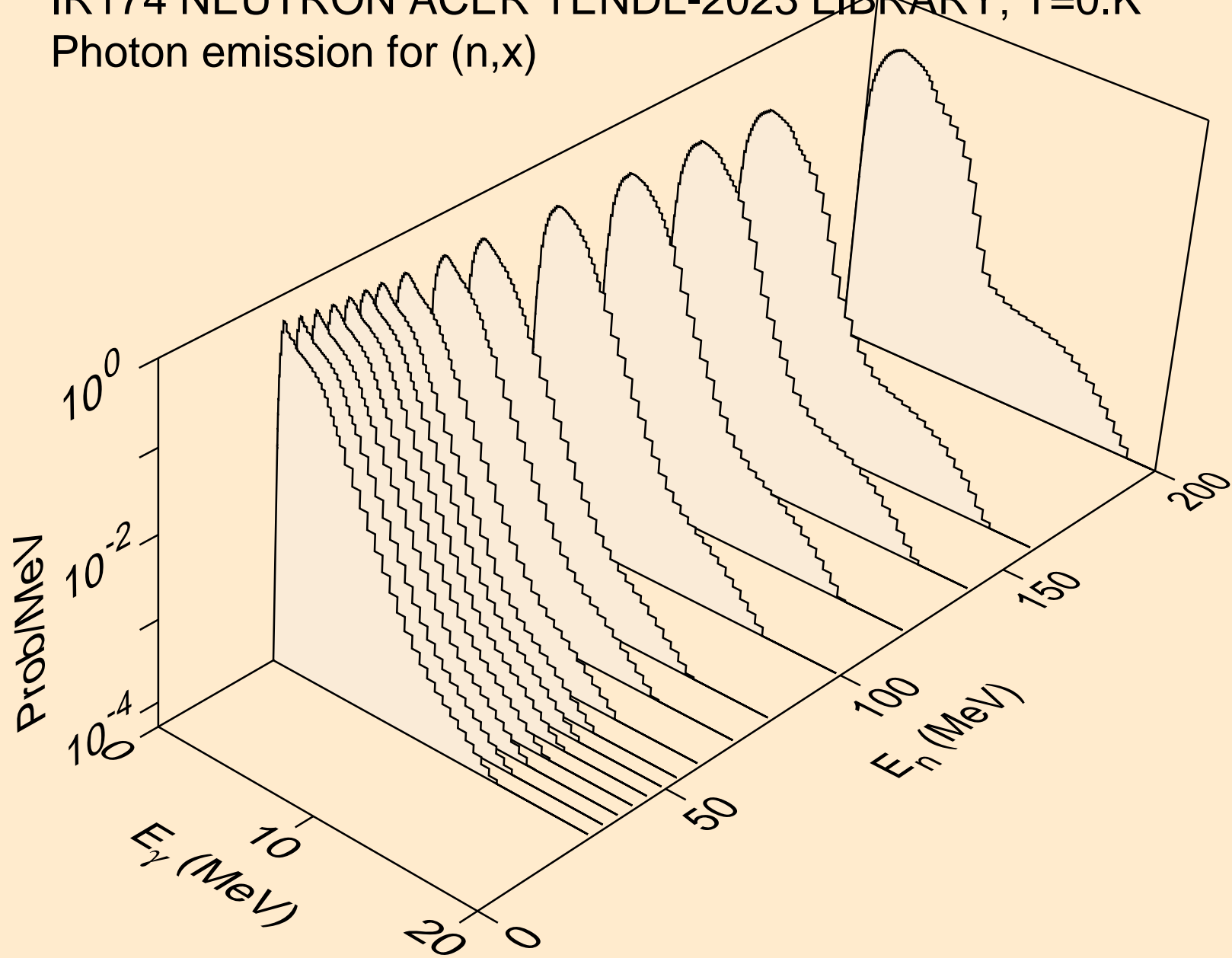
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,npa)



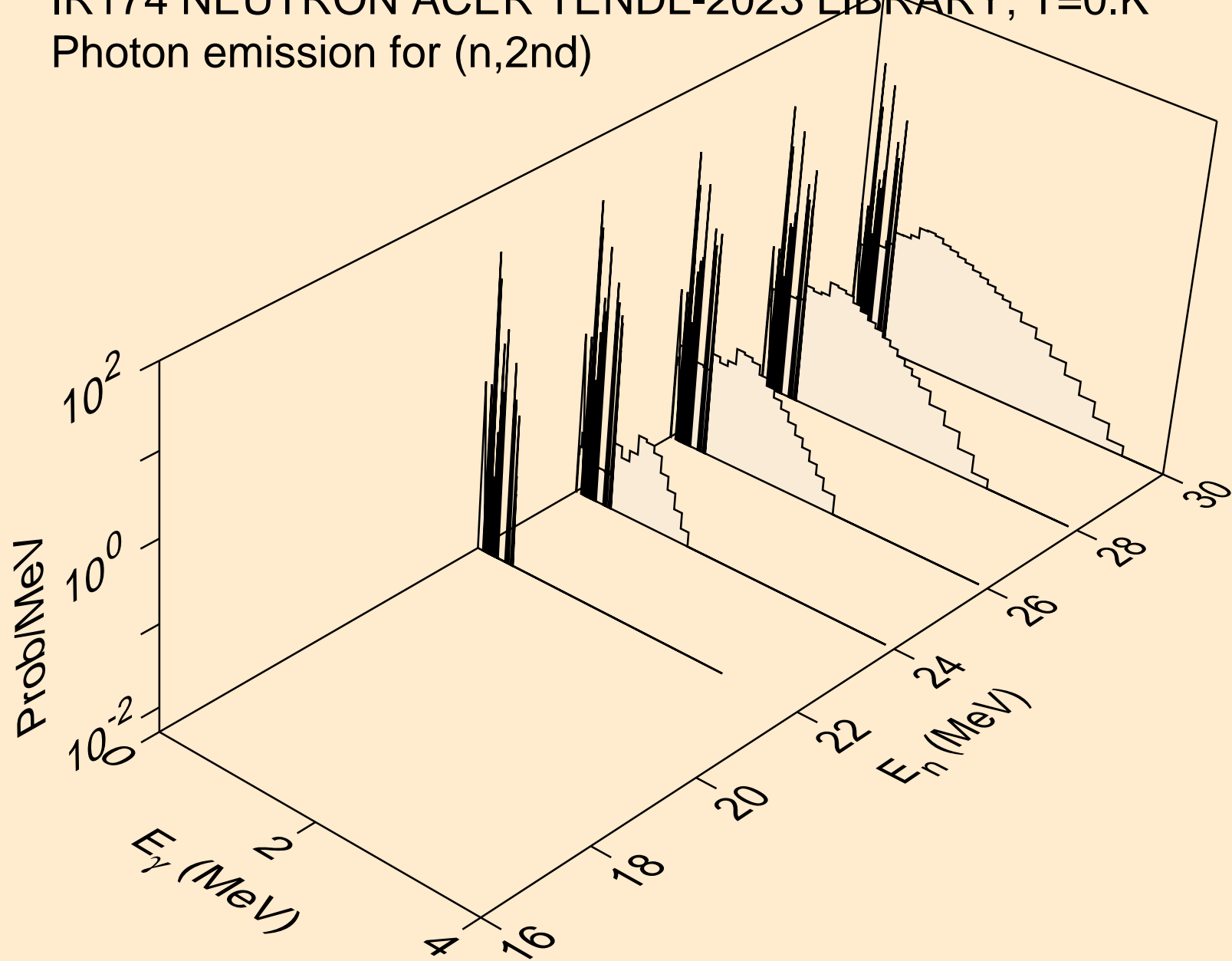
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



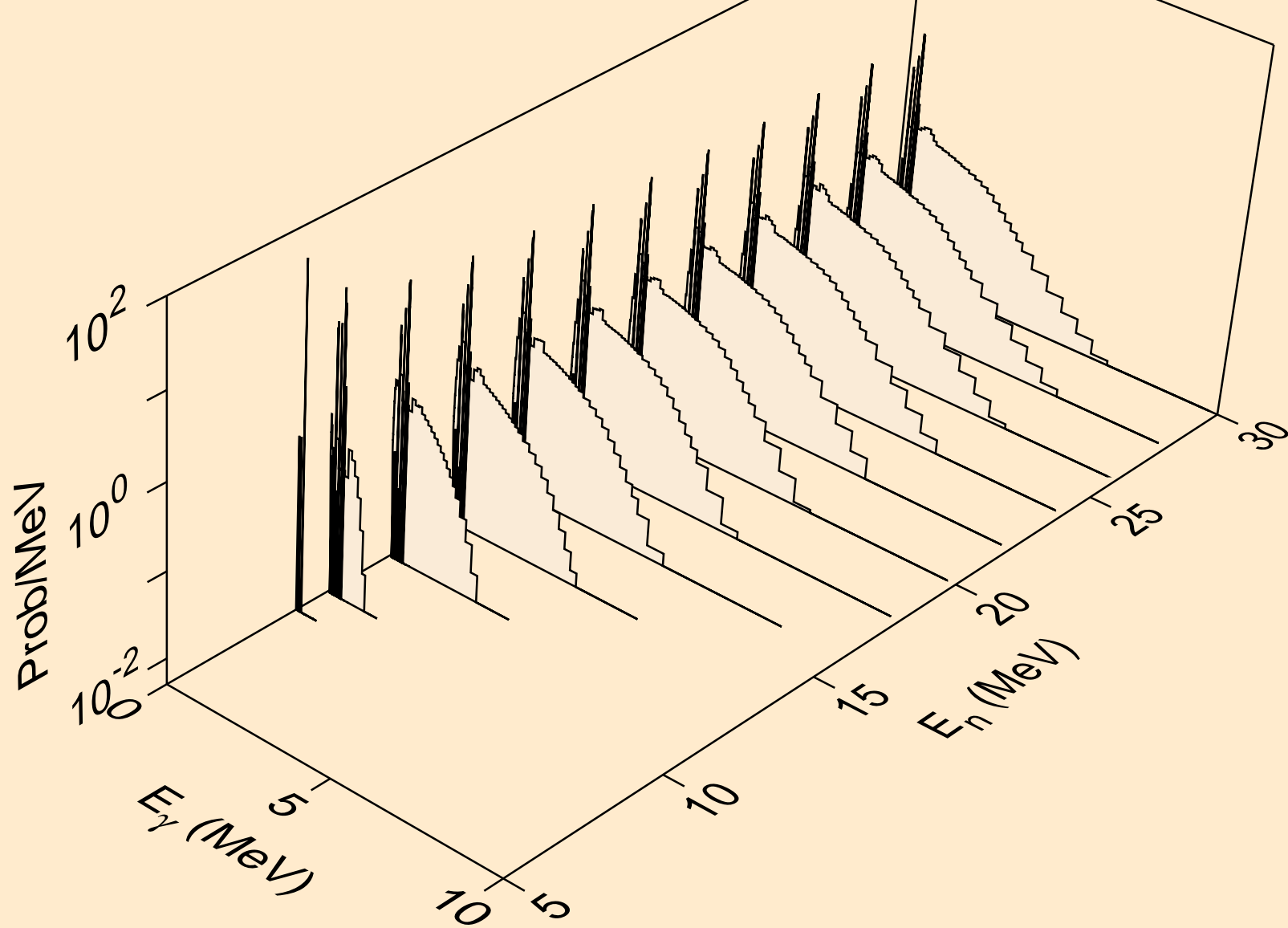
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



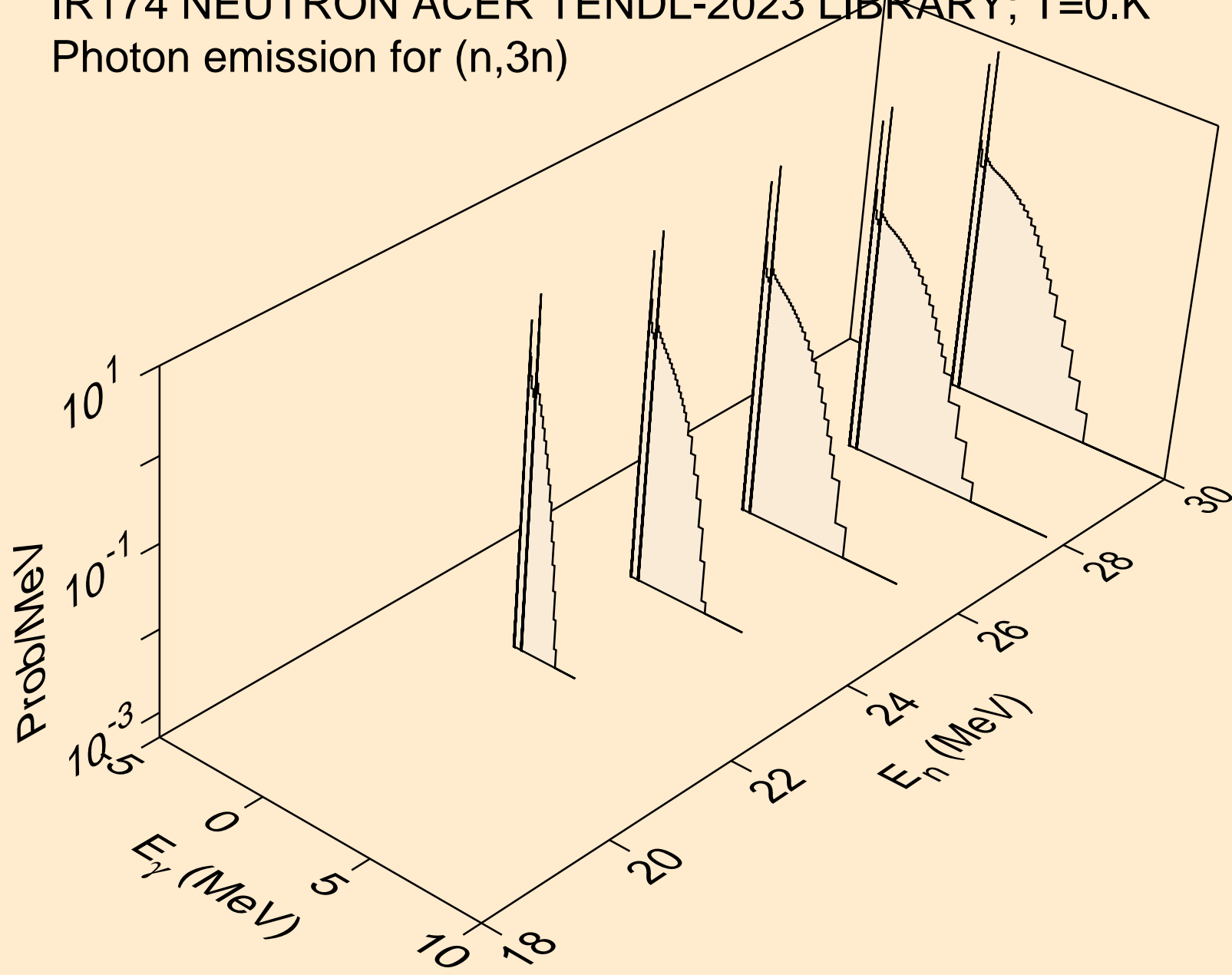
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)



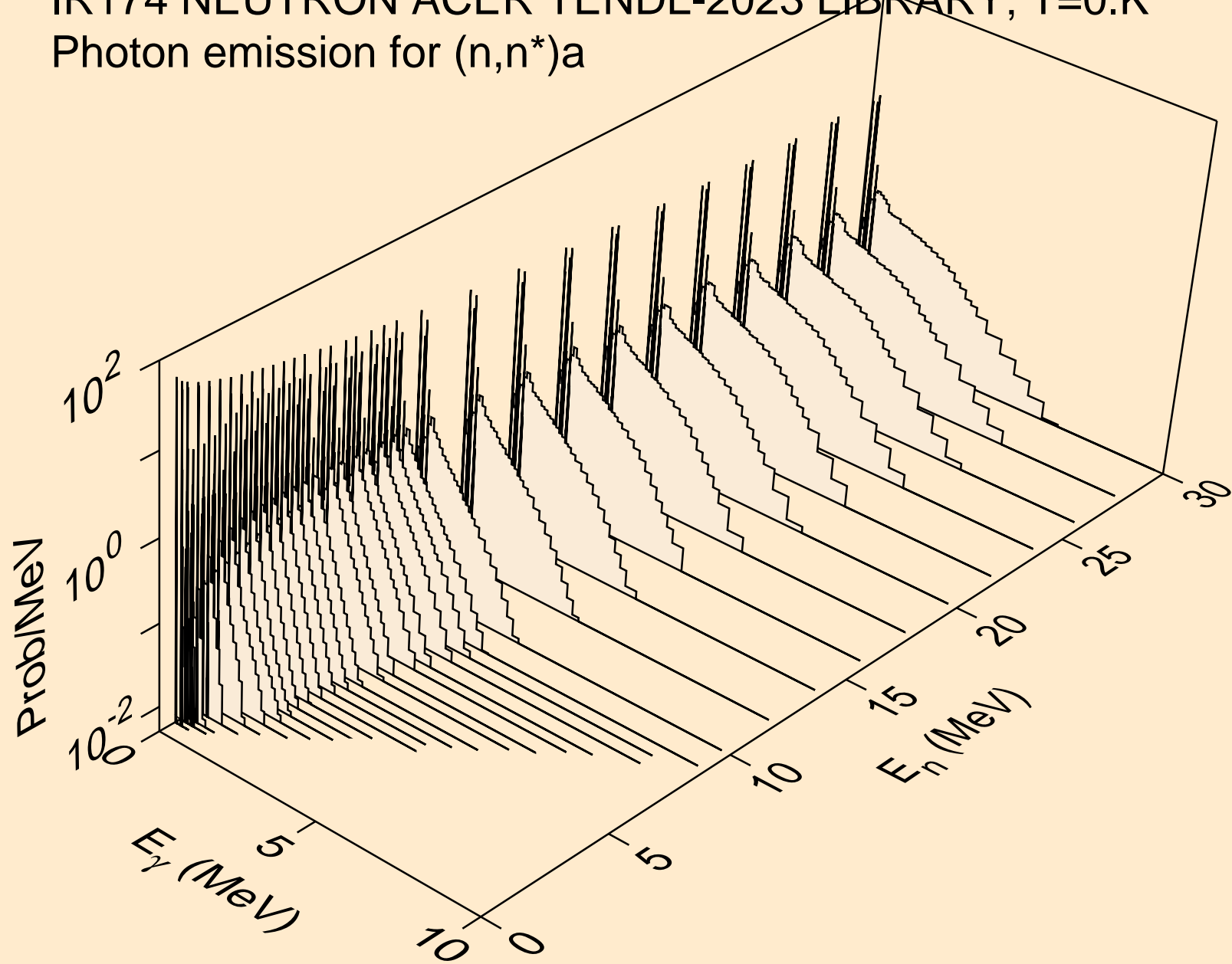
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)



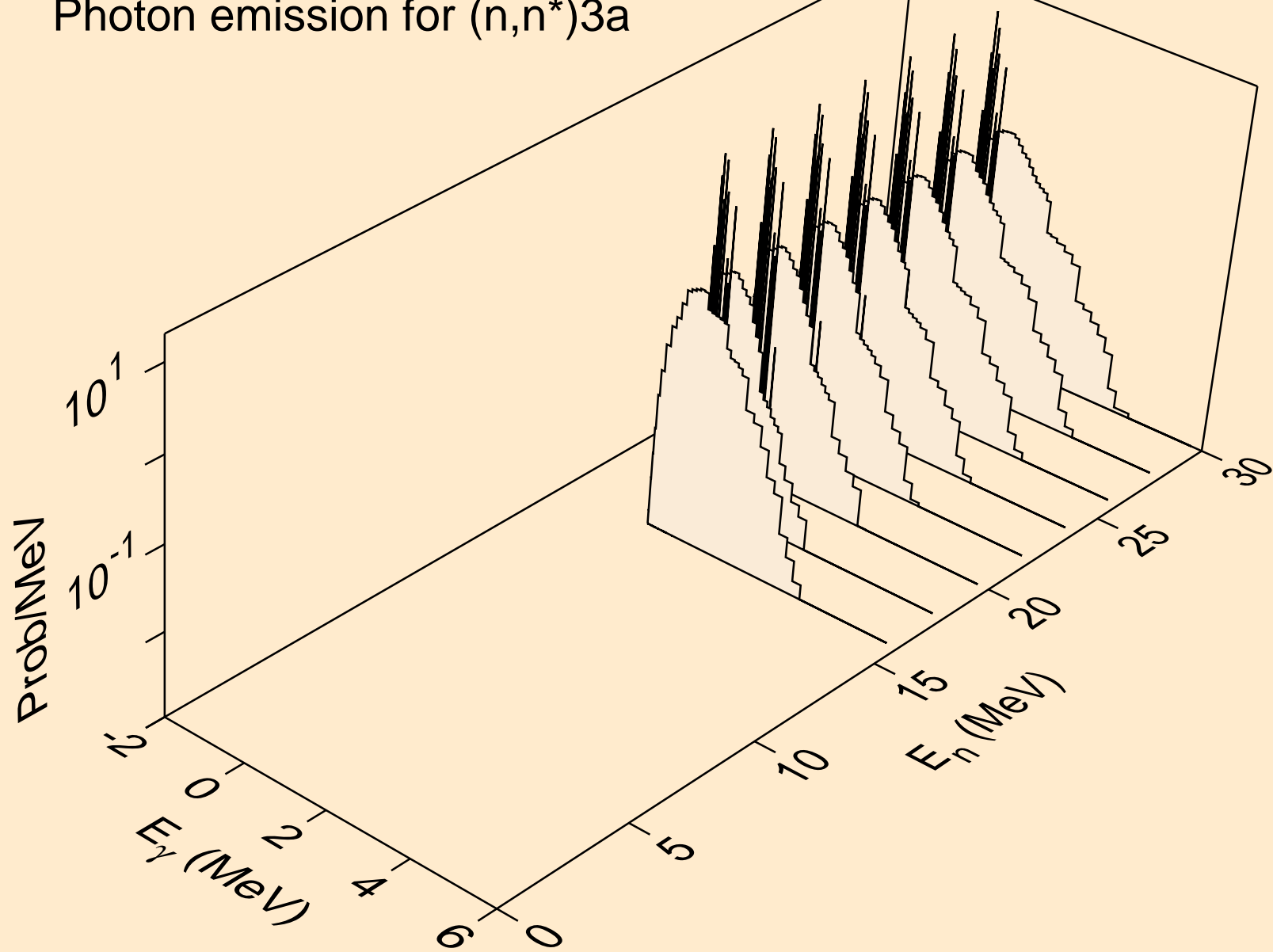
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



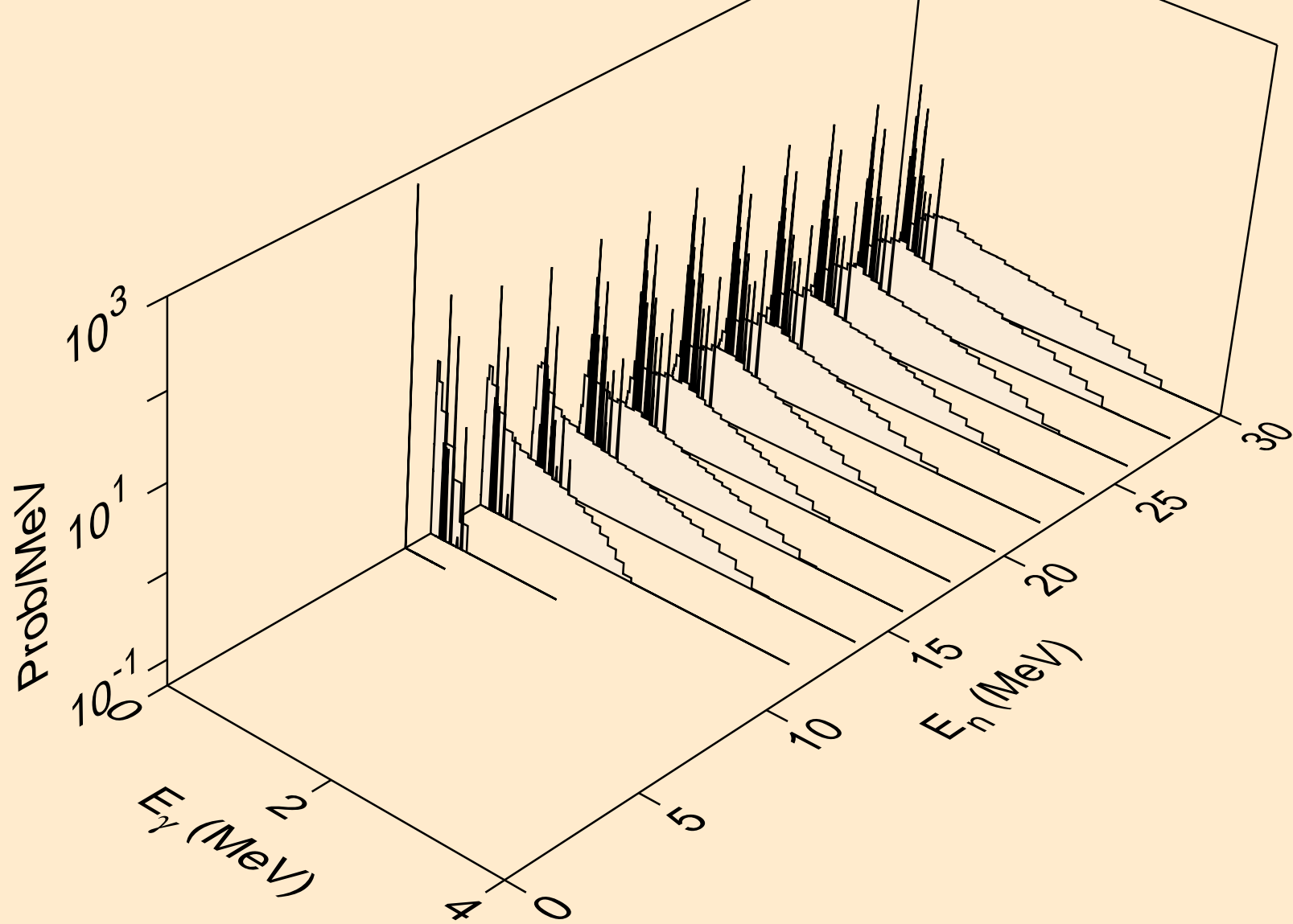
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



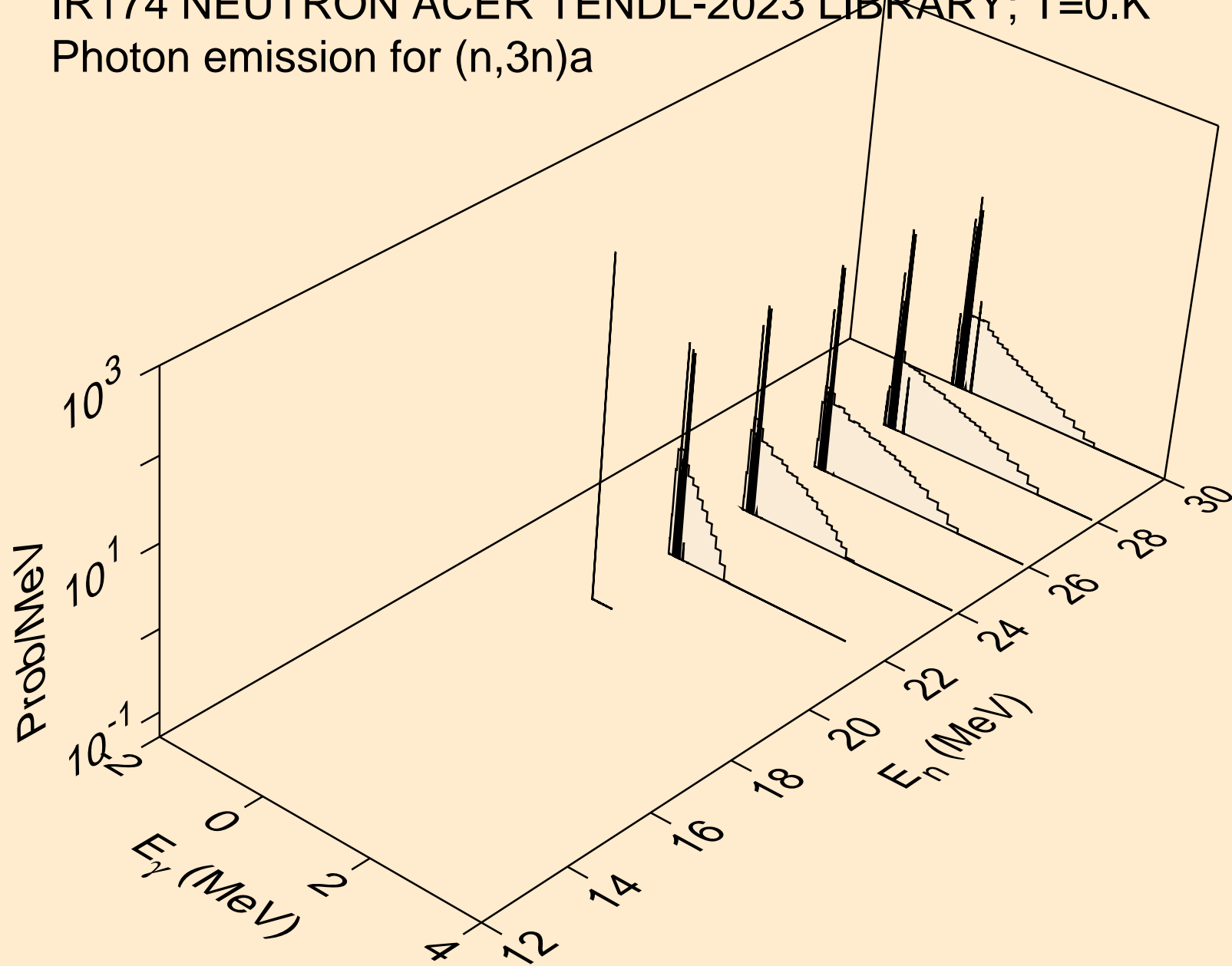
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)3a



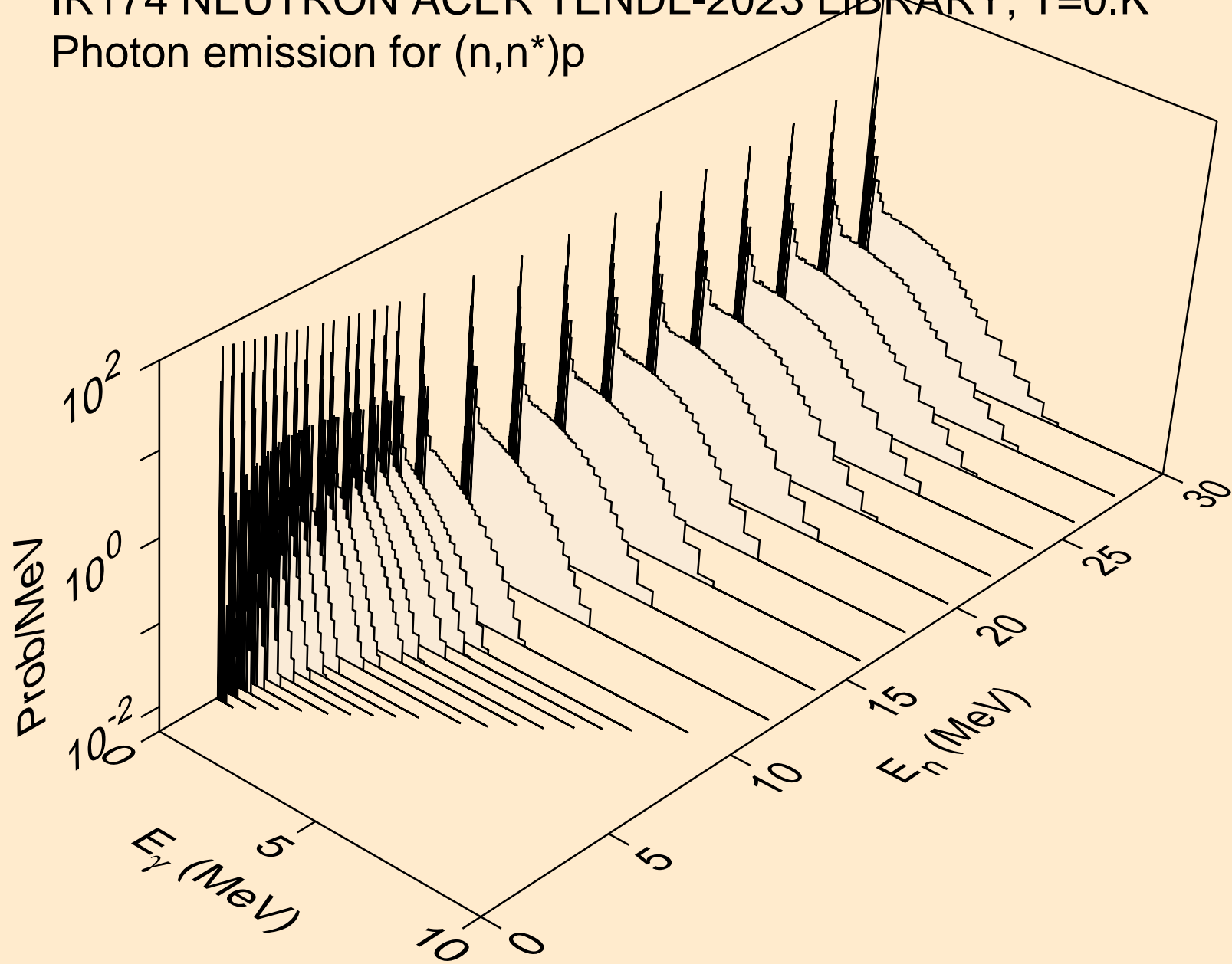
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



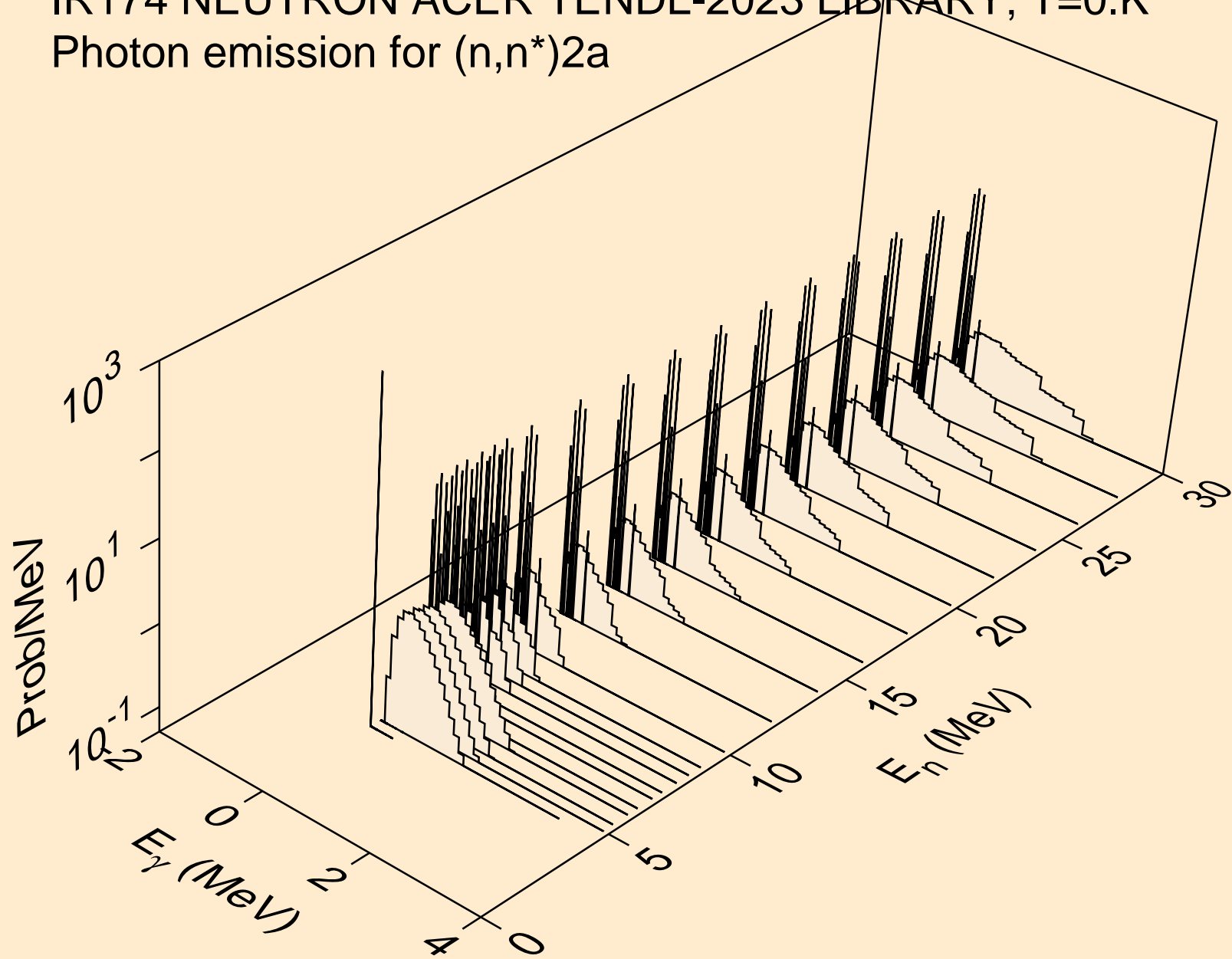
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Photon emission for (n,3n)a



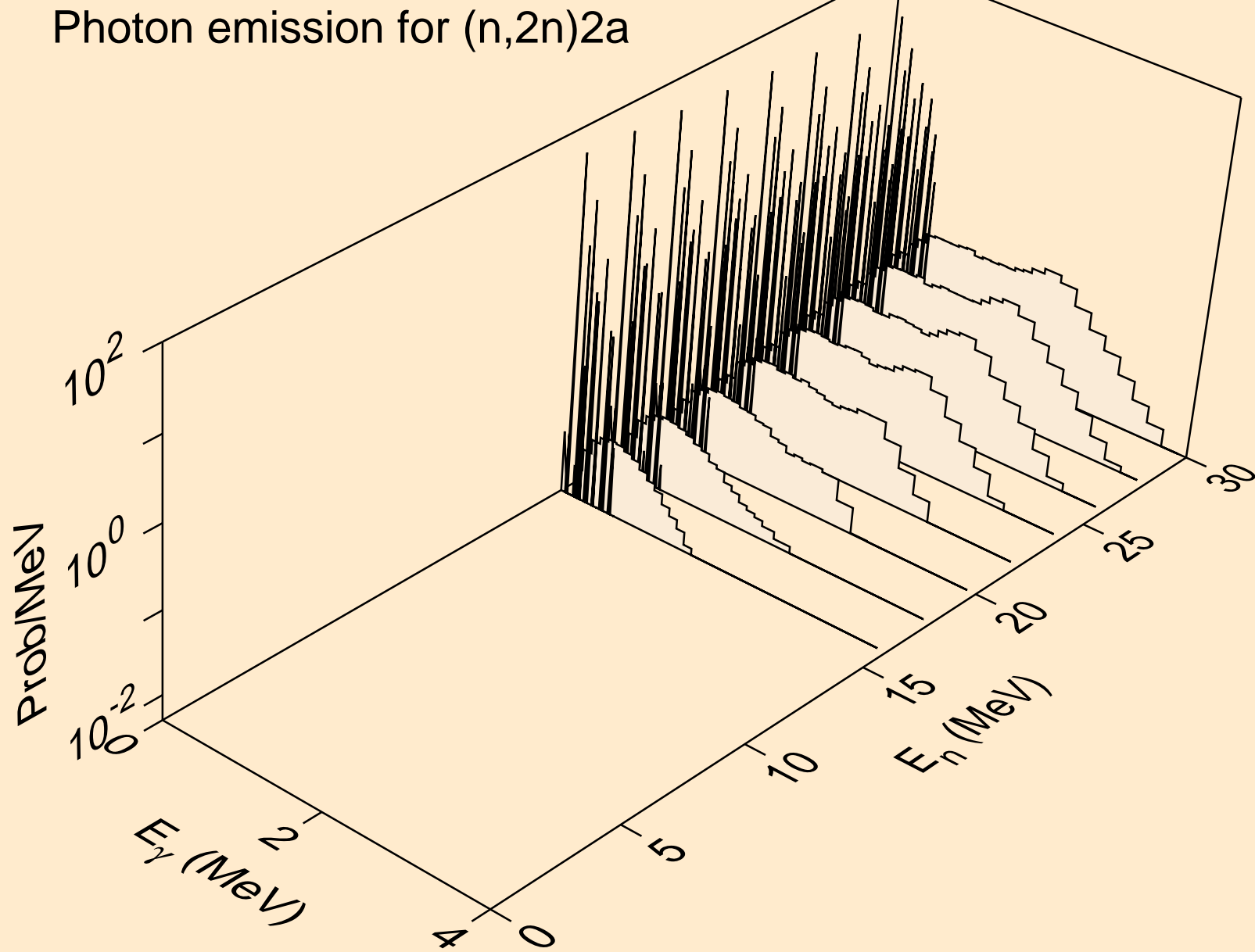
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



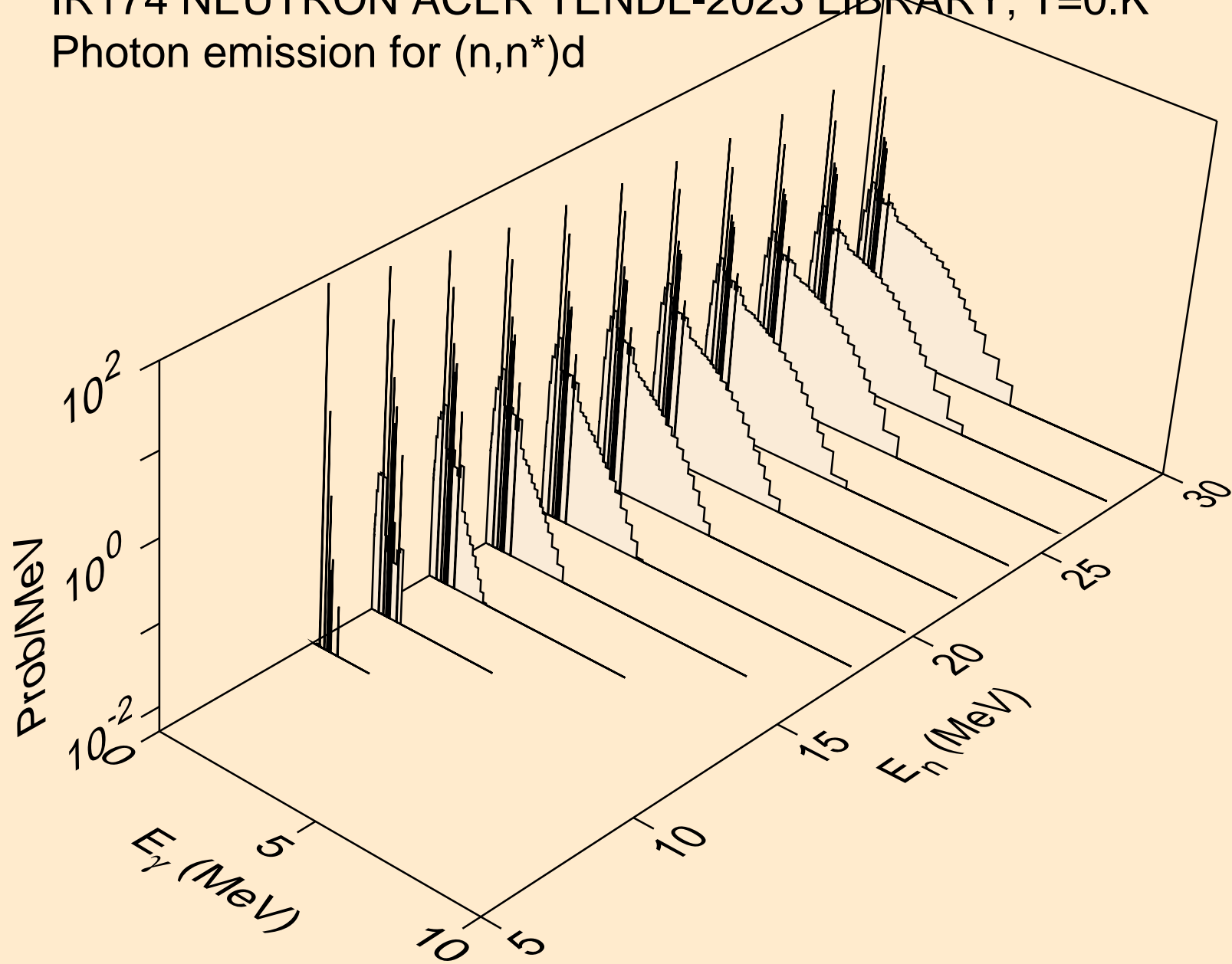
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



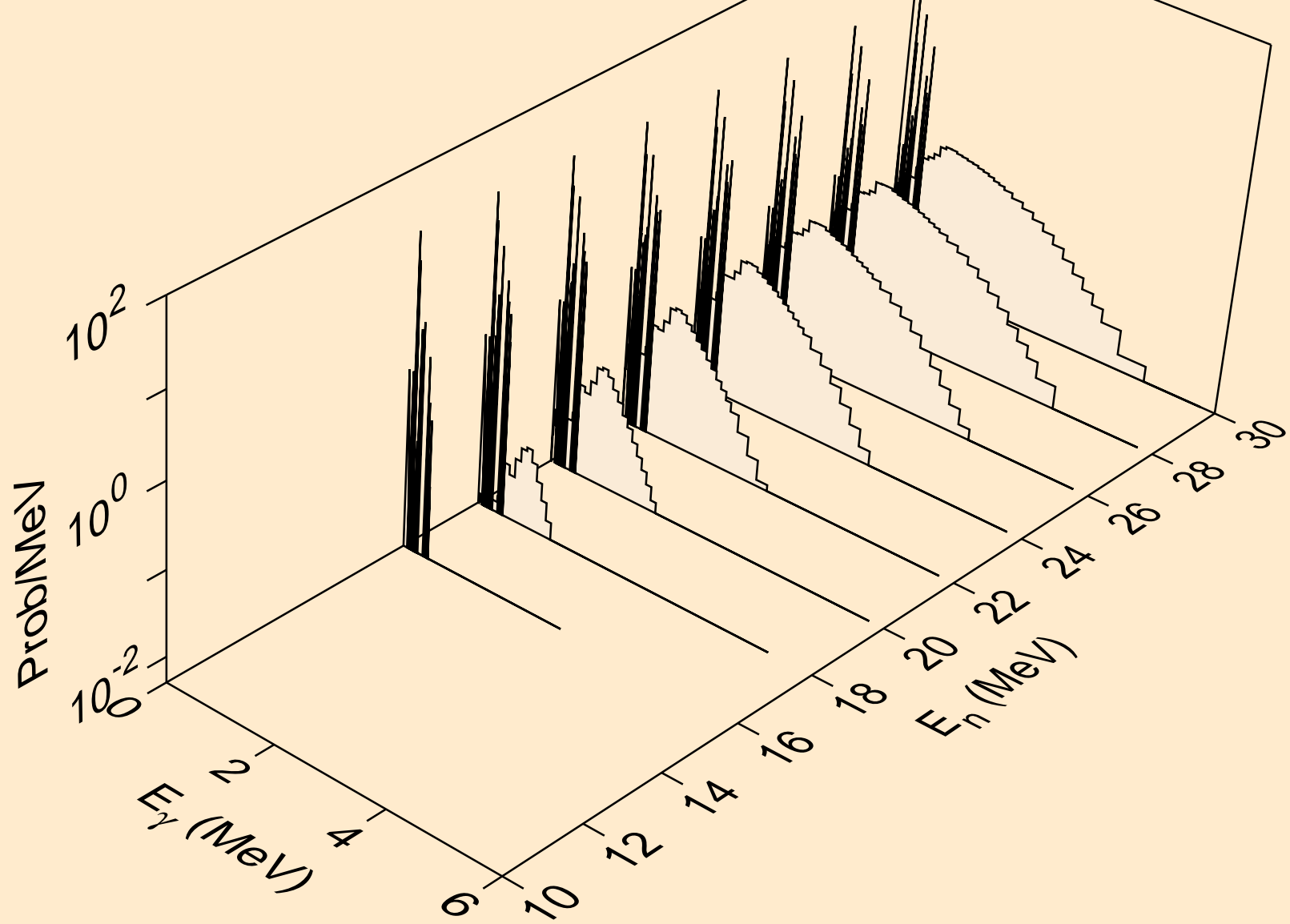
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)2a



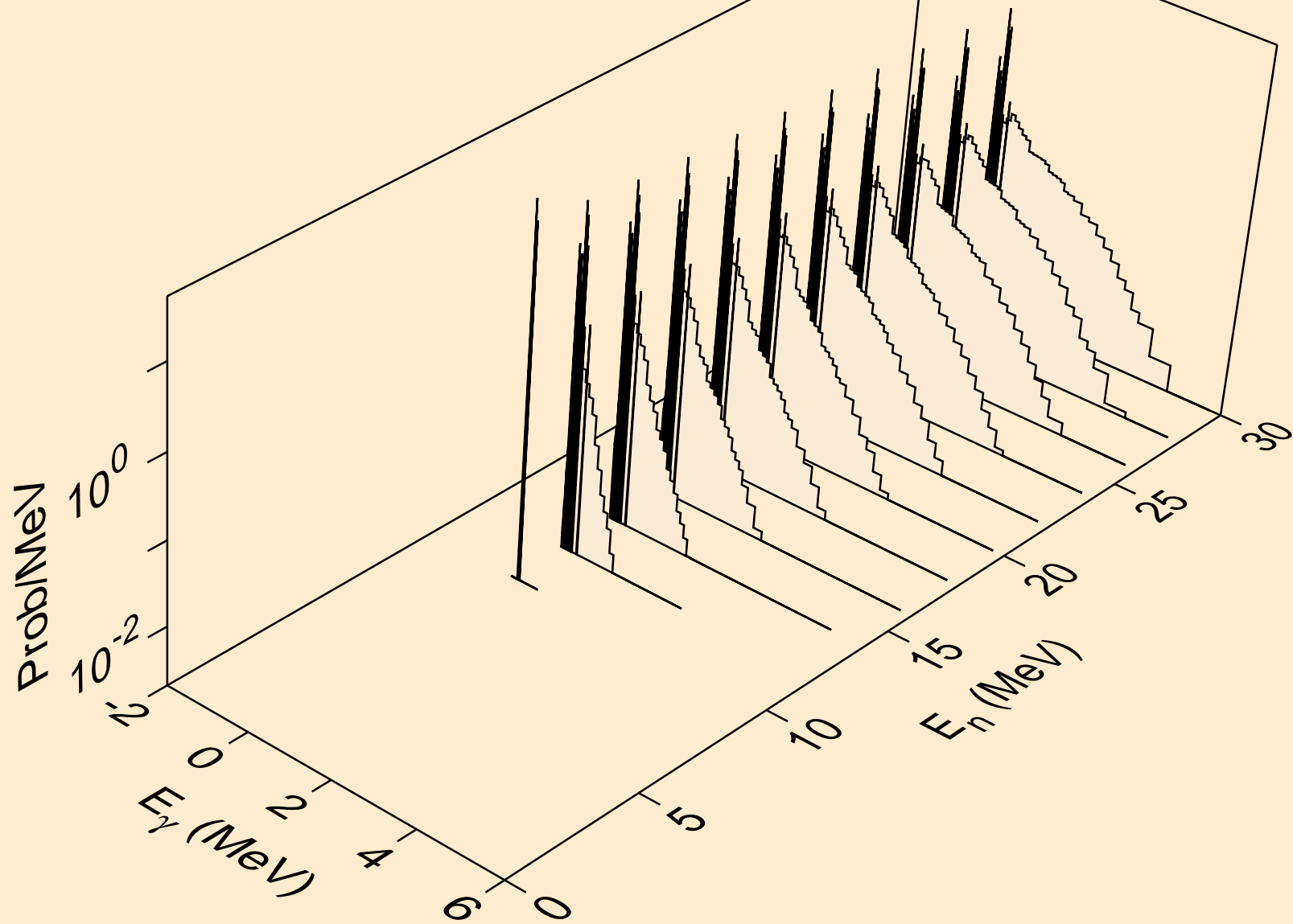
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



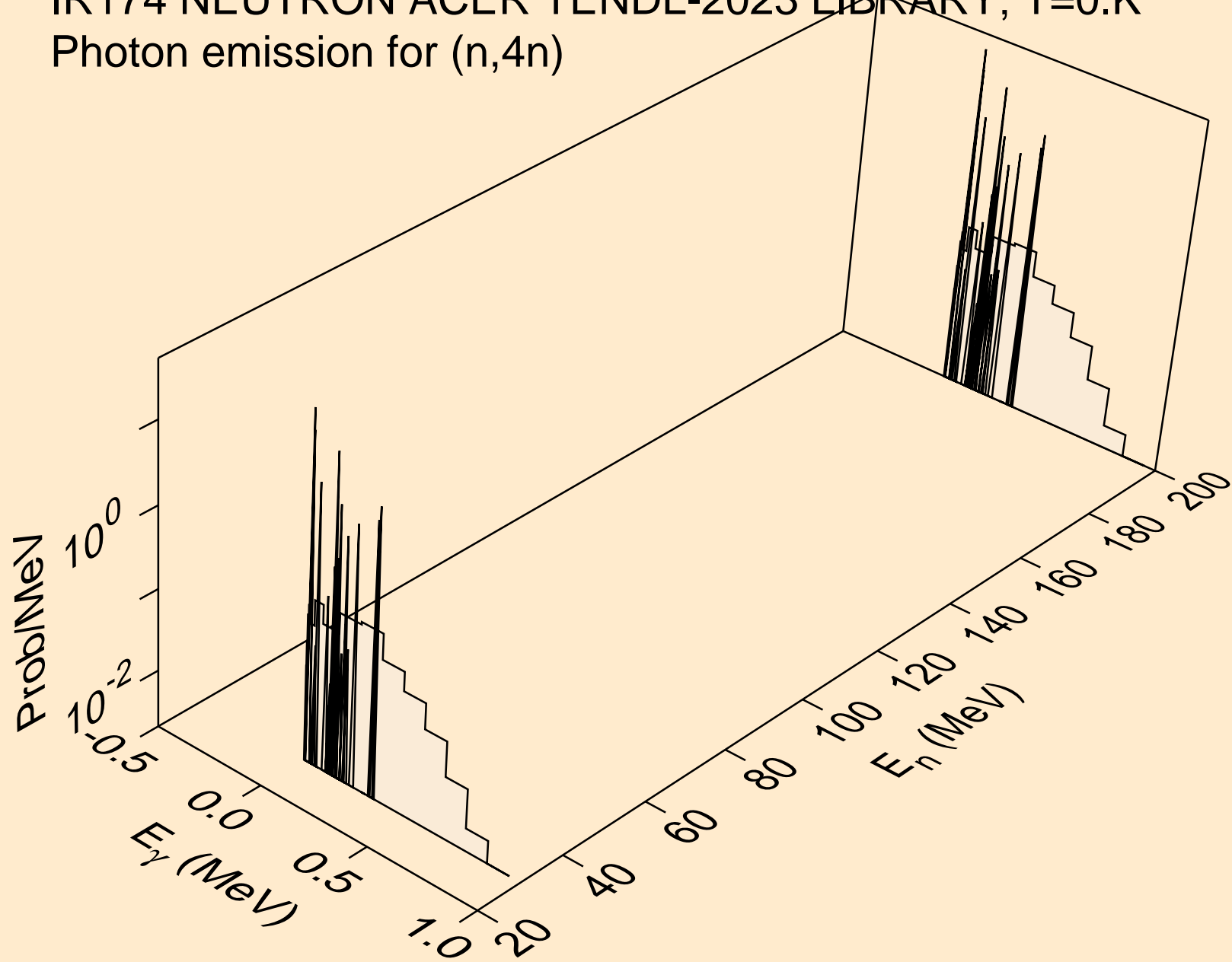
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



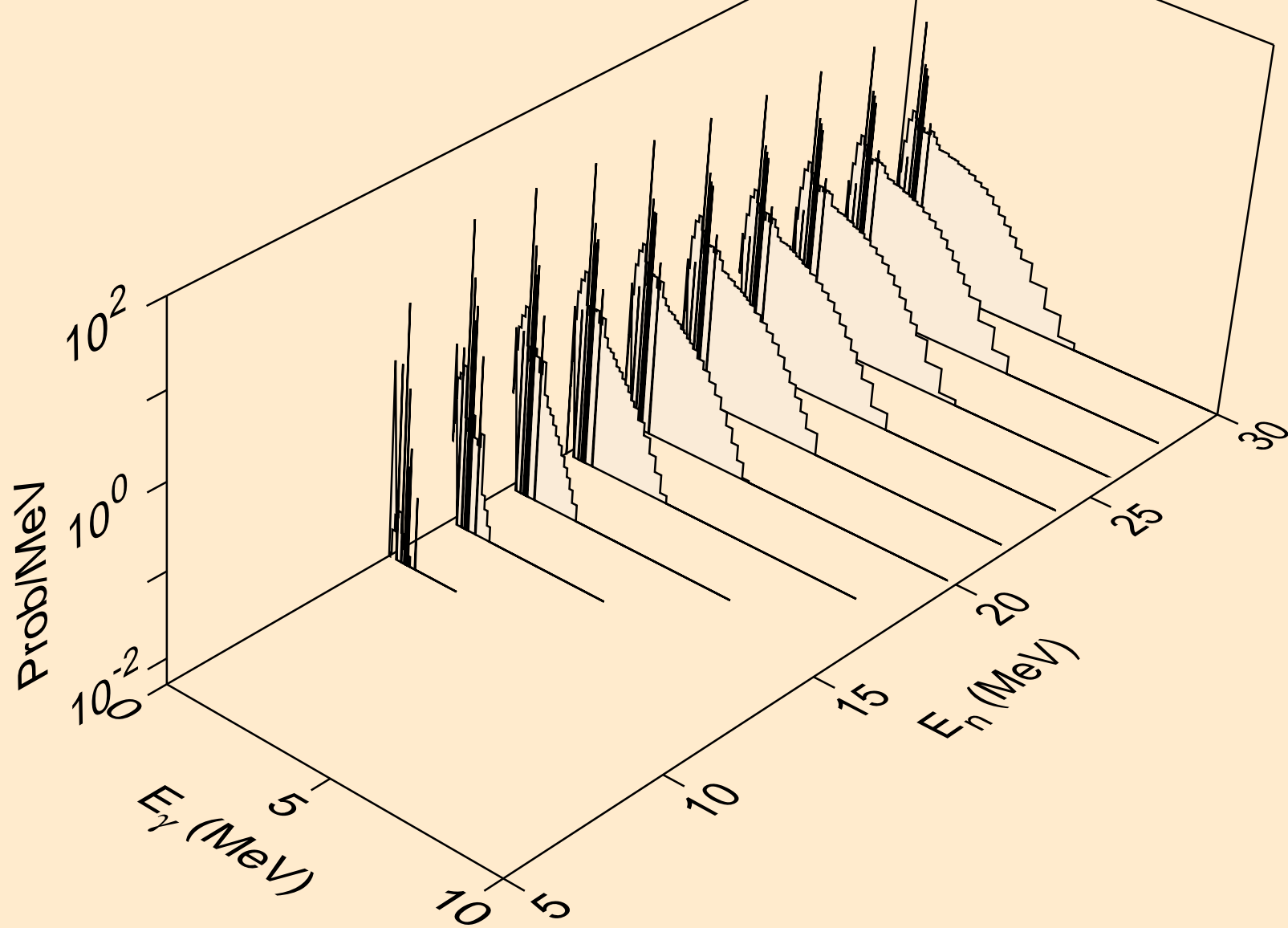
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



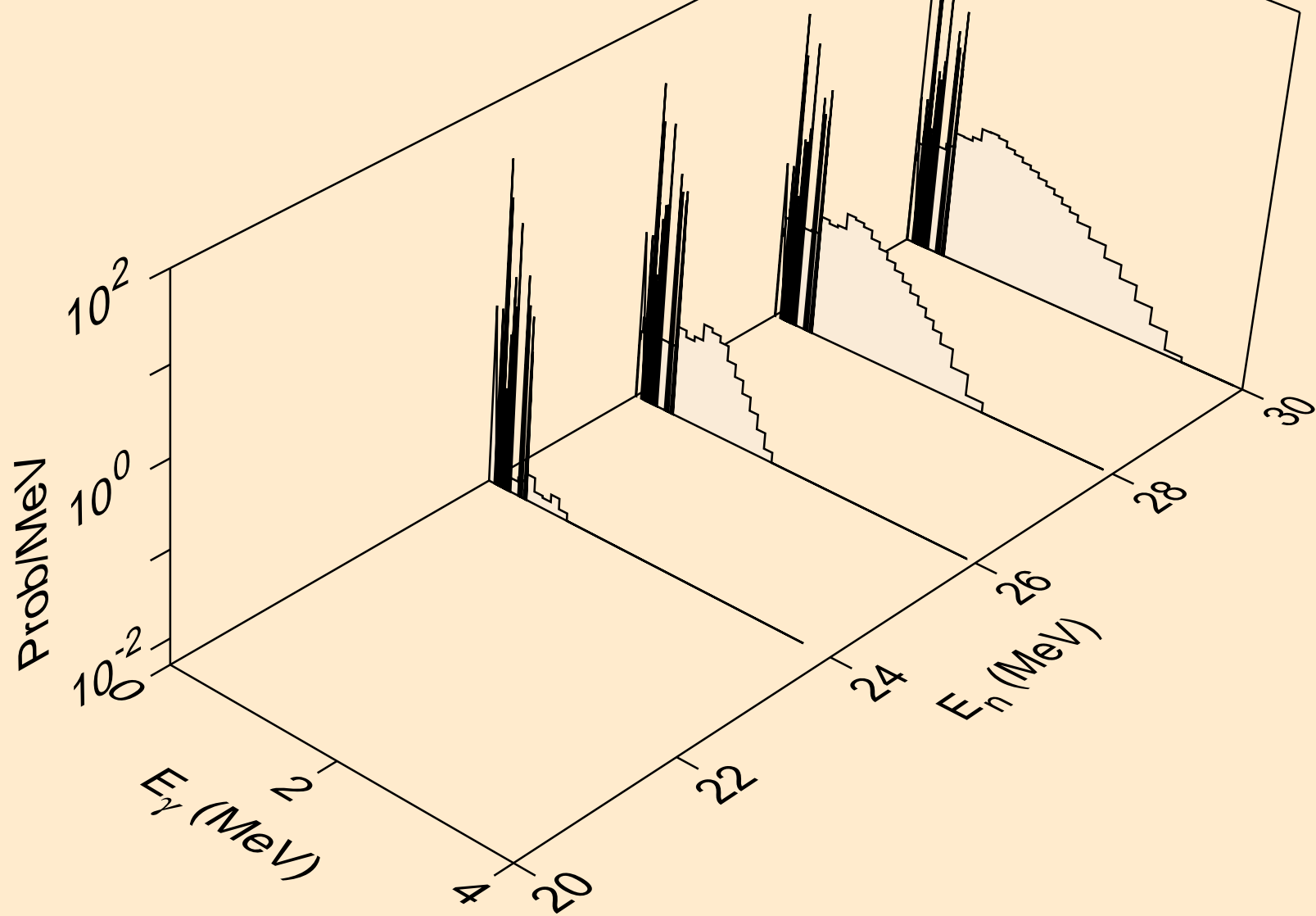
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,4n)



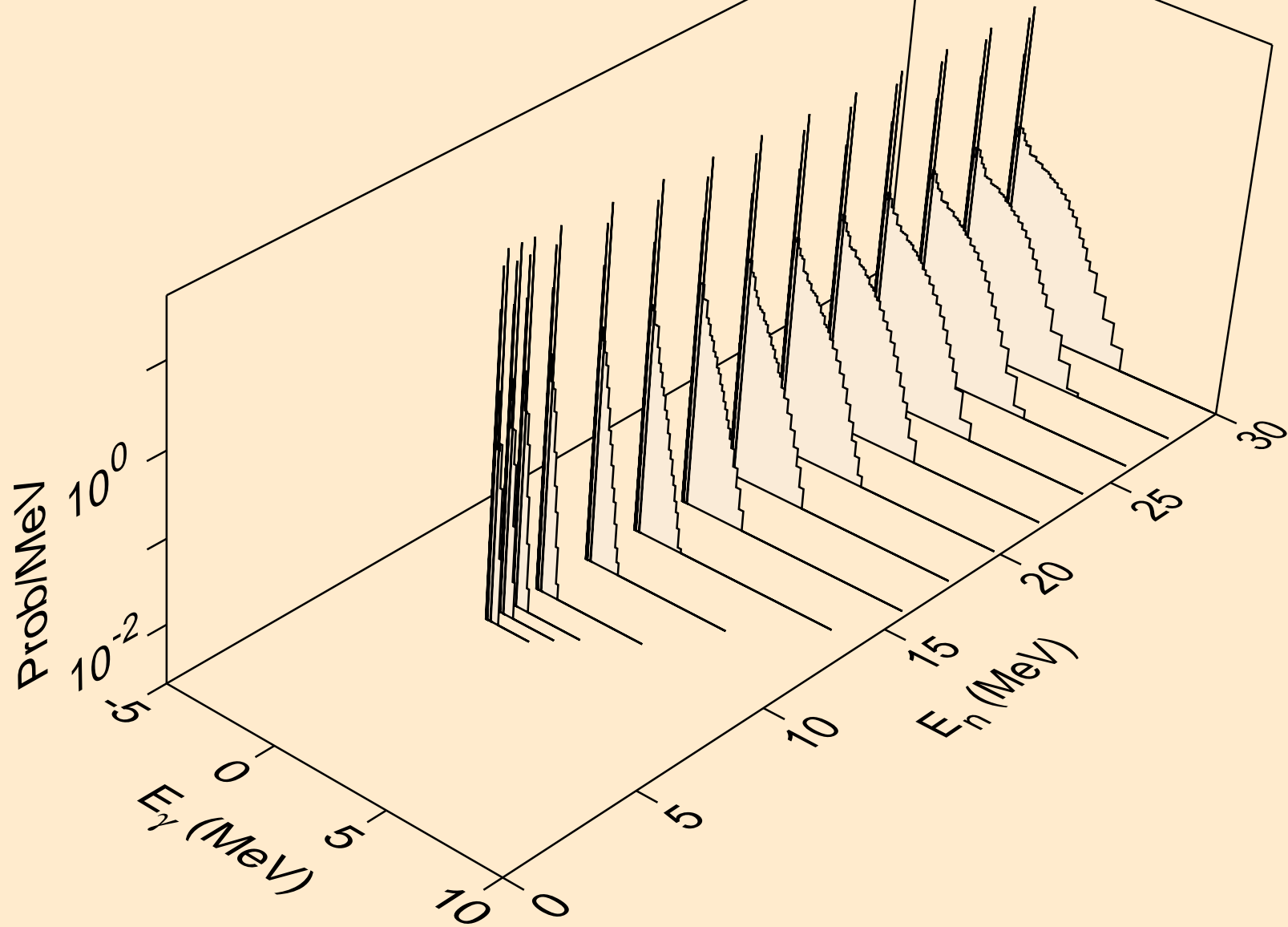
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Photon emission for (n,2np)



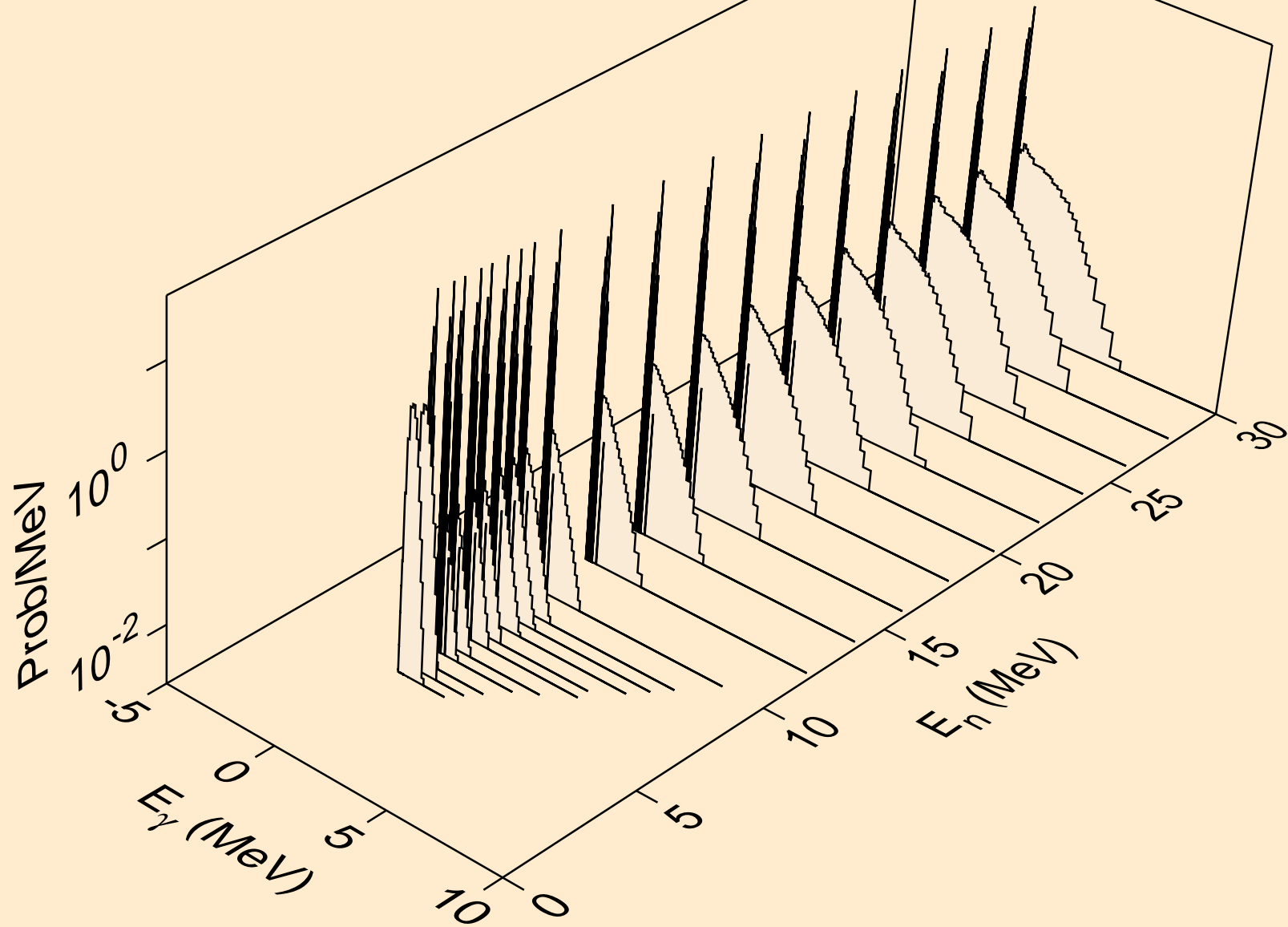
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Photon emission for (n,3np)



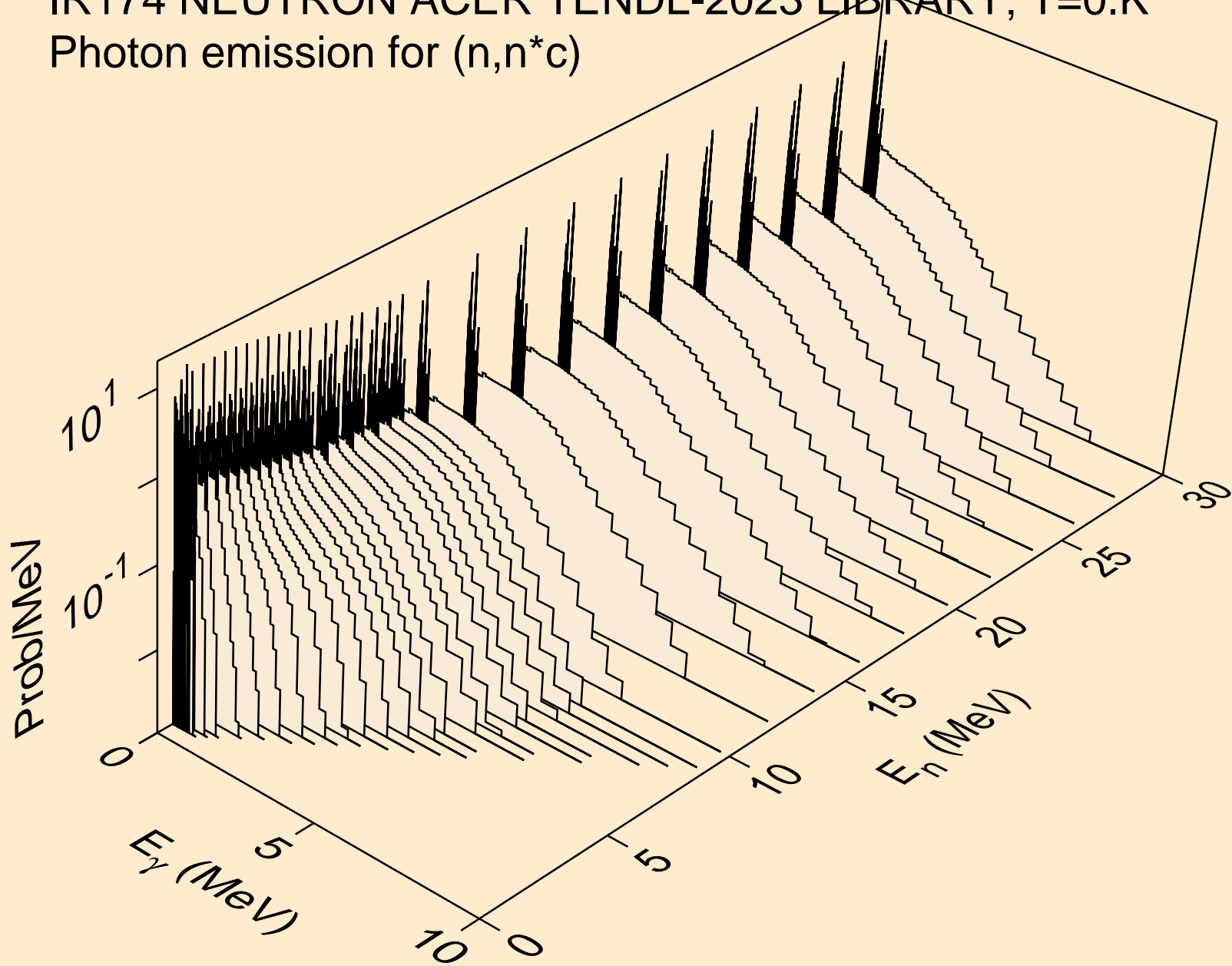
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Photon emission for (n,n2p)



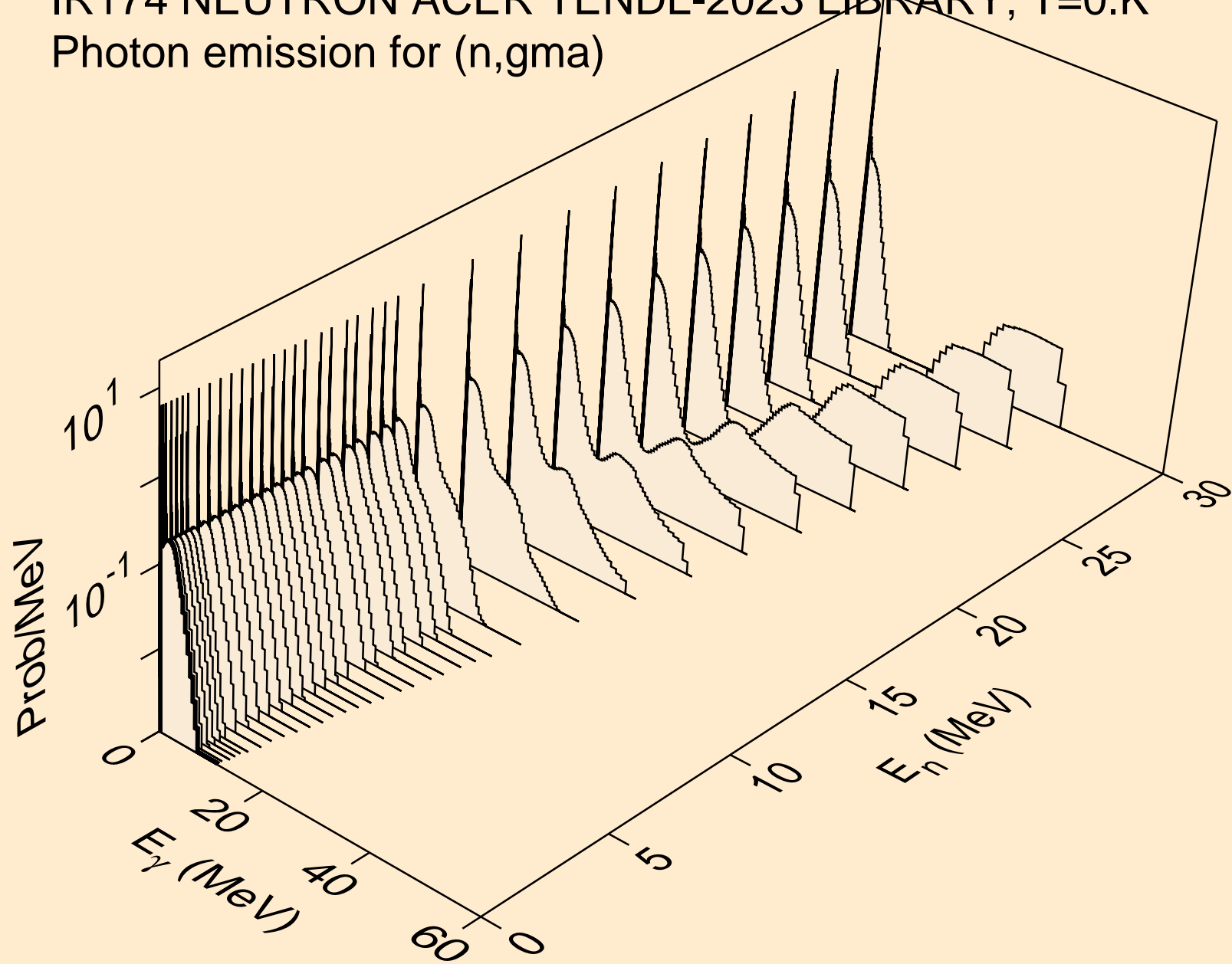
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



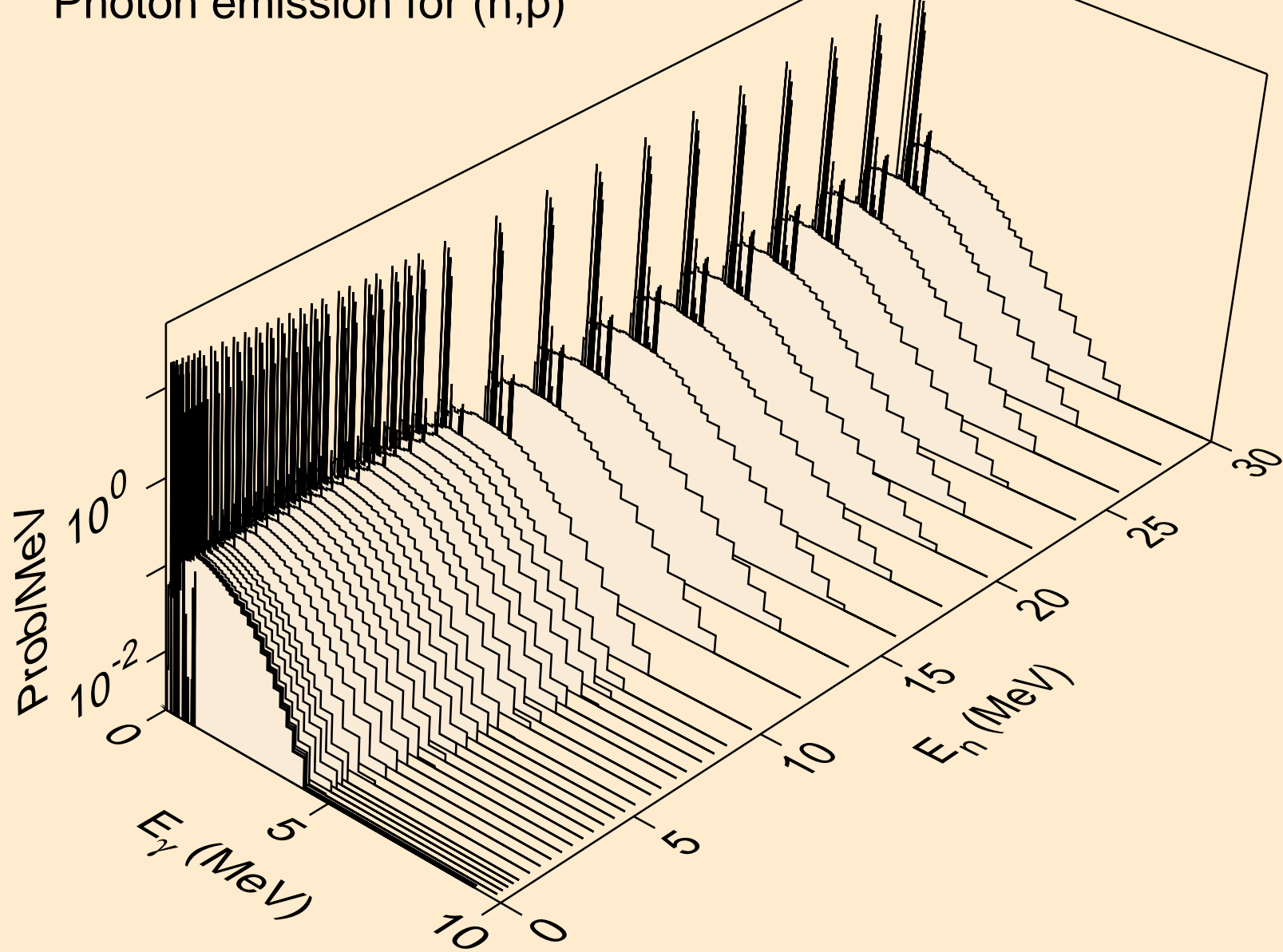
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*c)



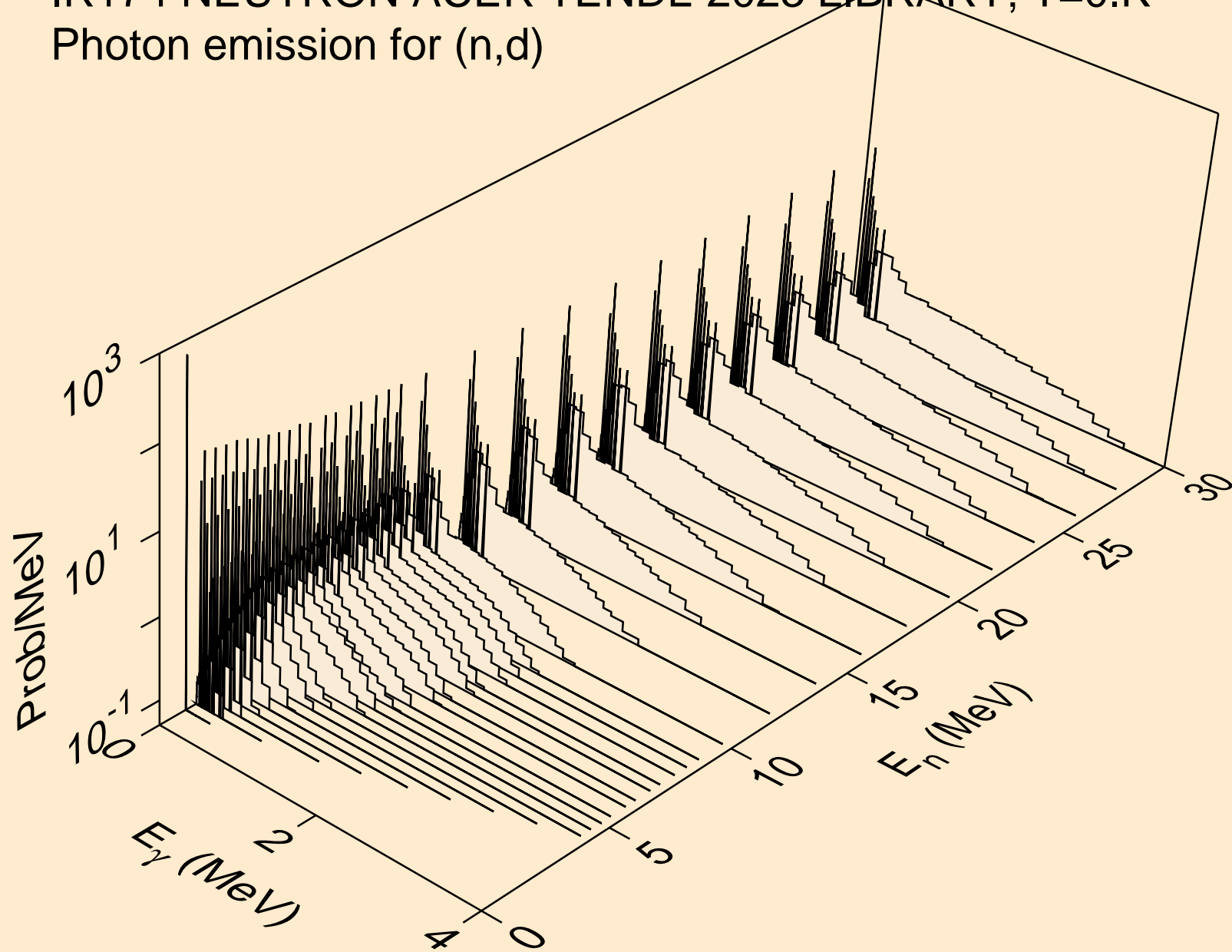
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



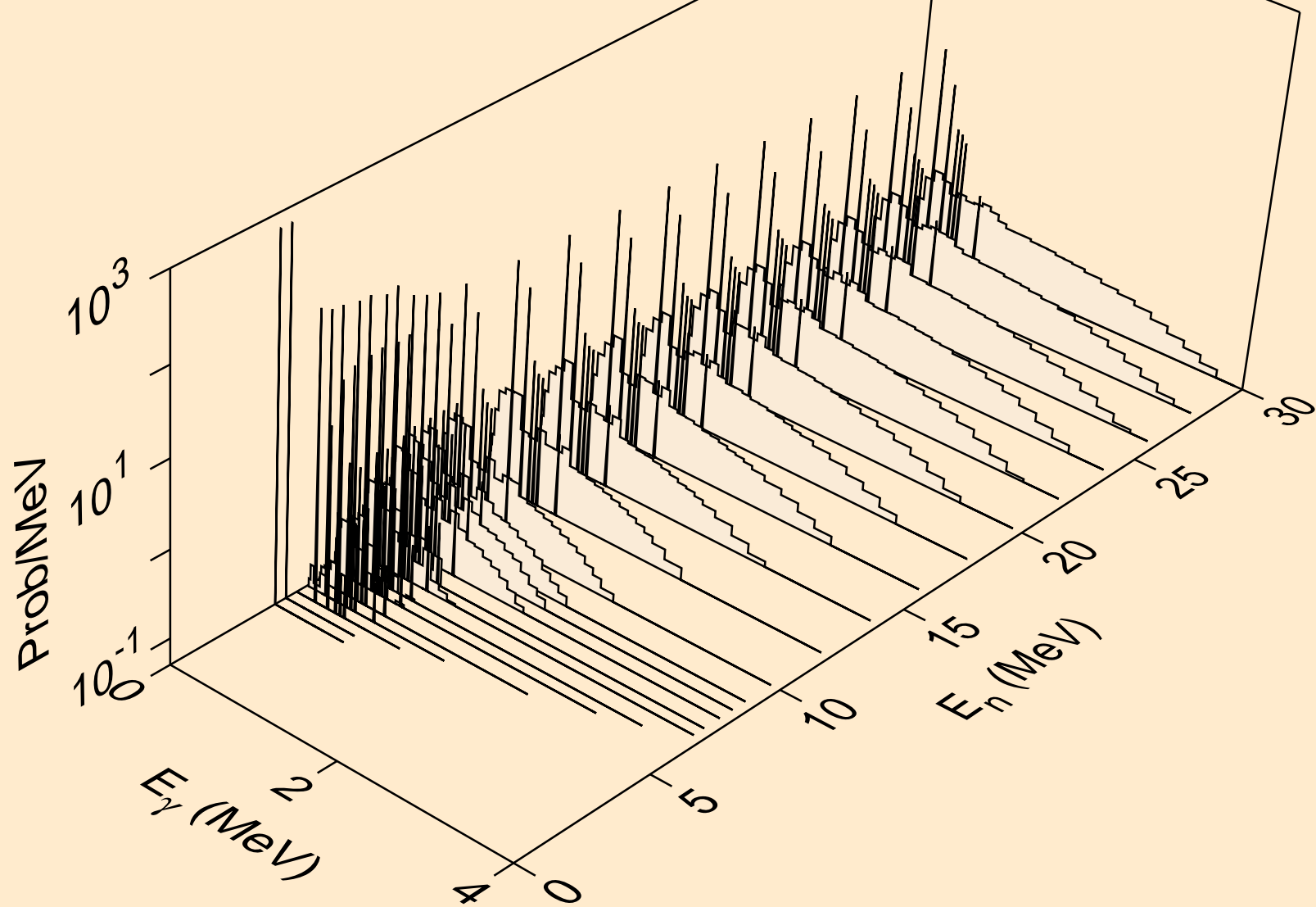
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)



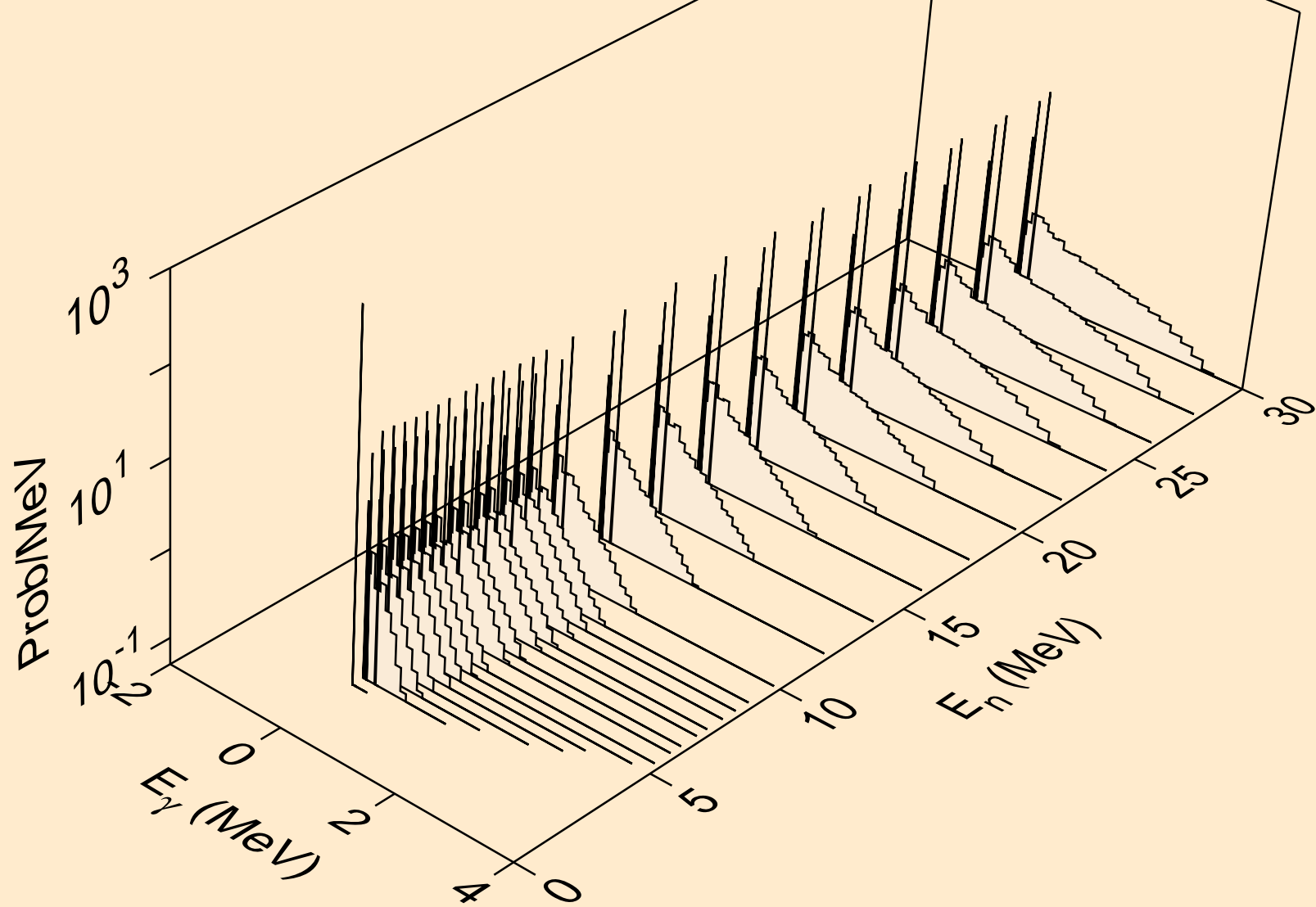
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)



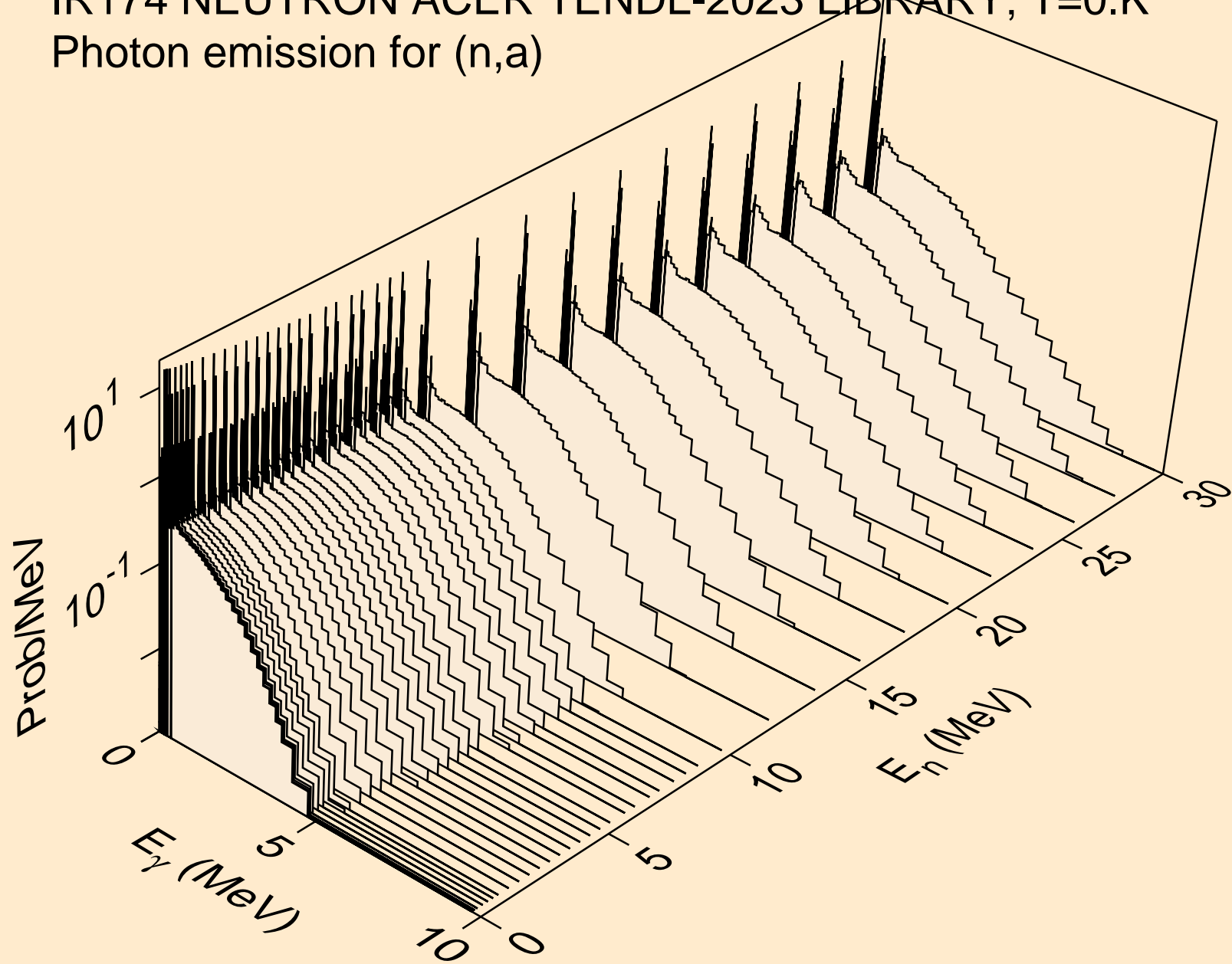
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



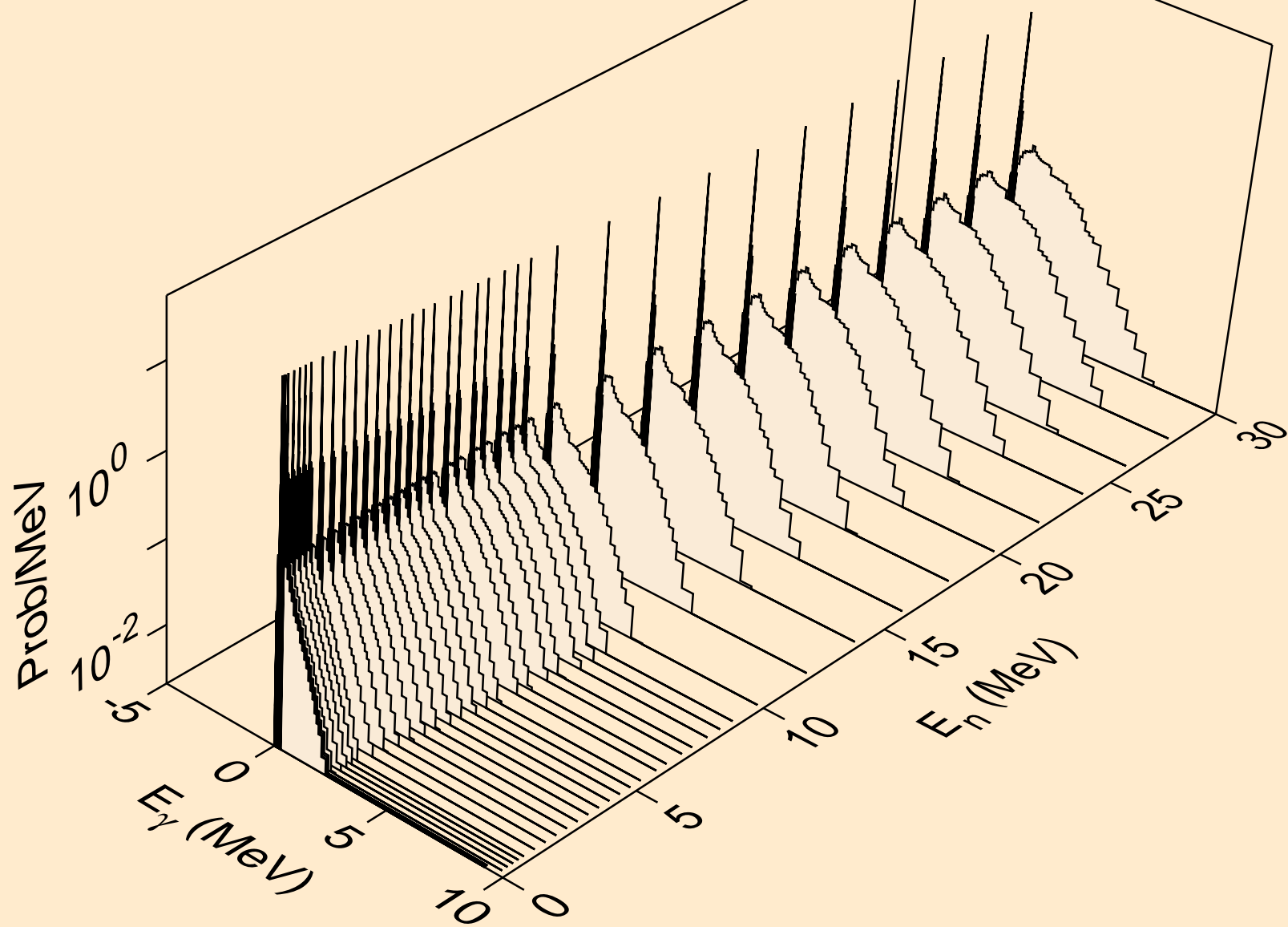
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,he3)



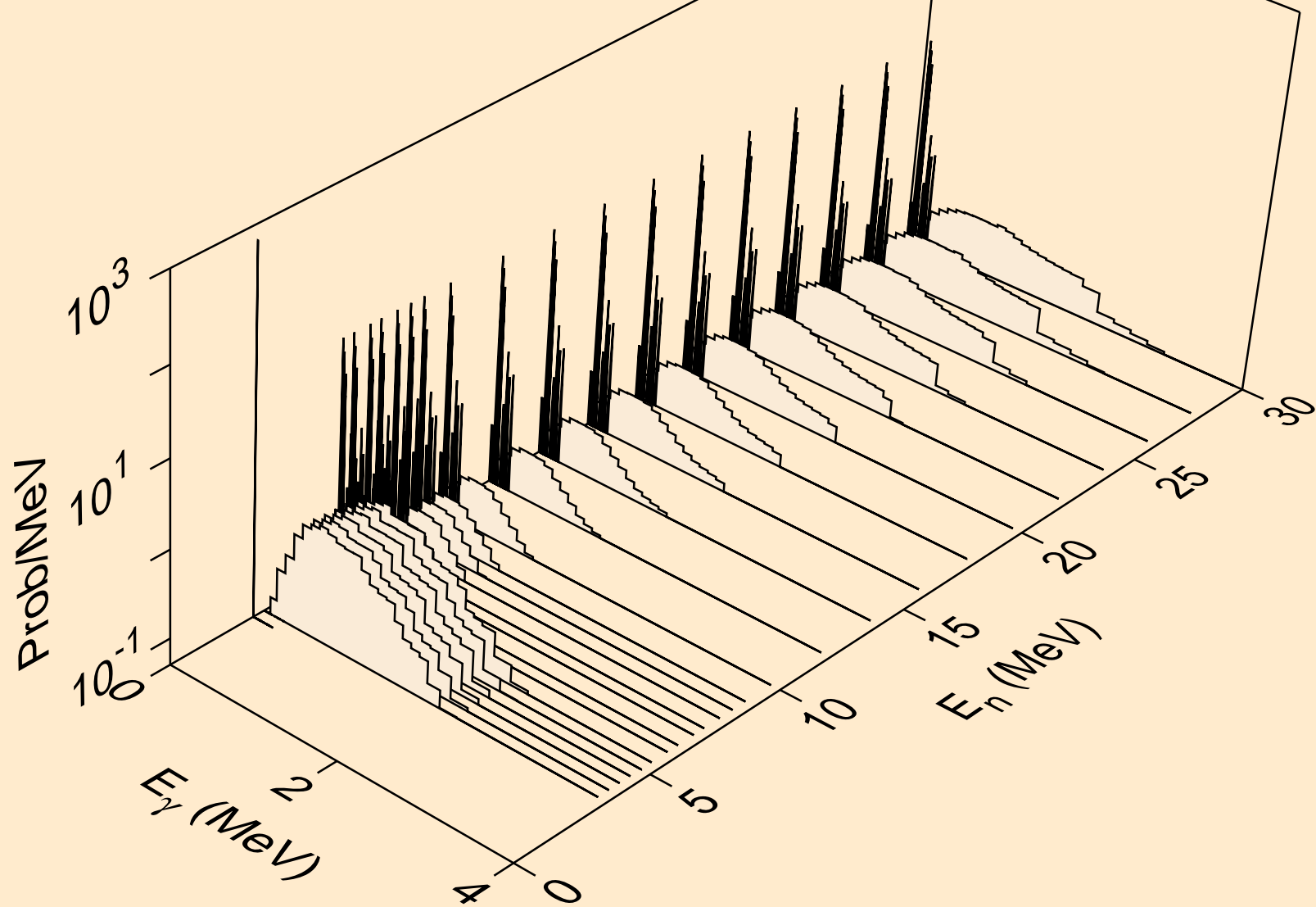
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,a)



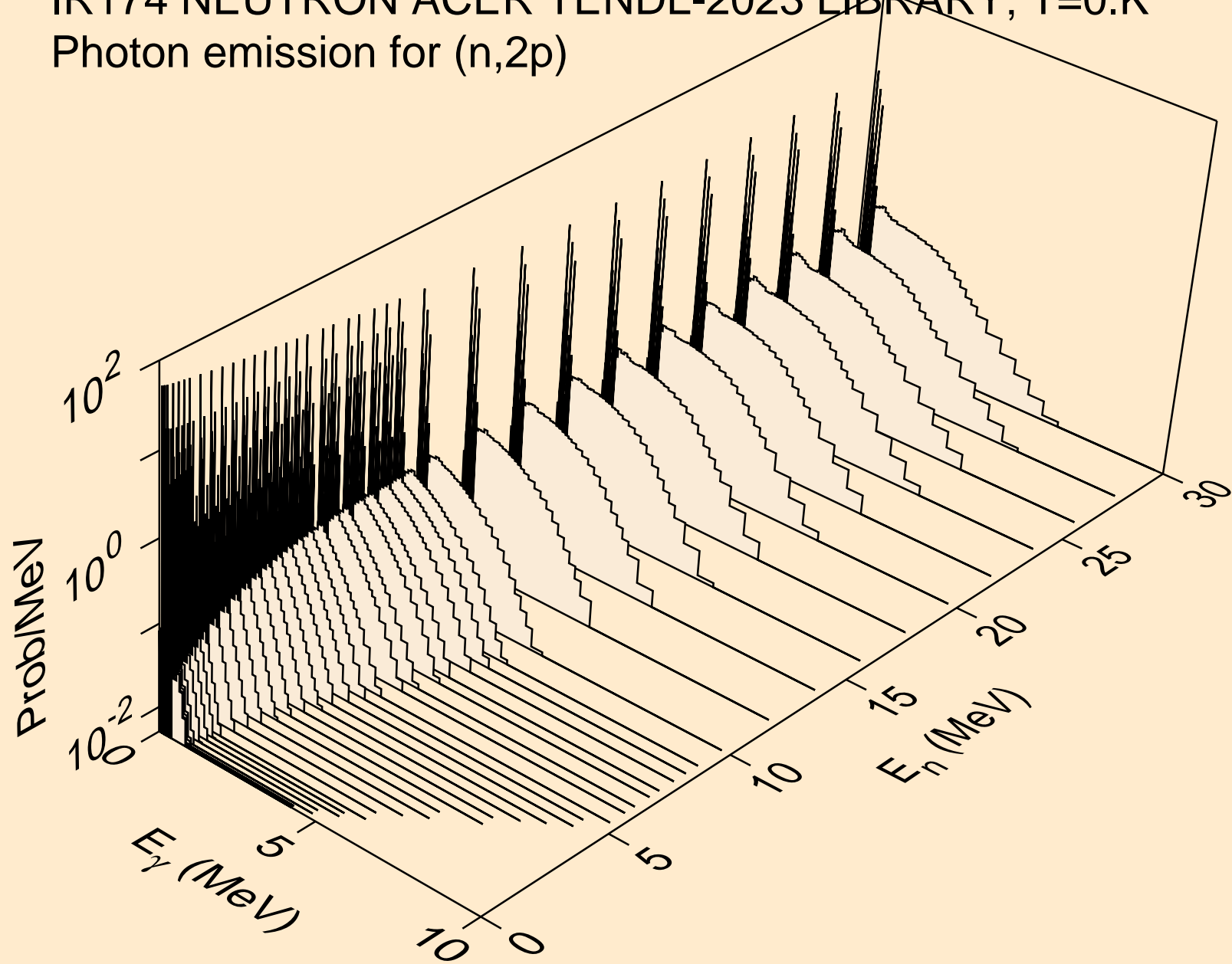
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2a)



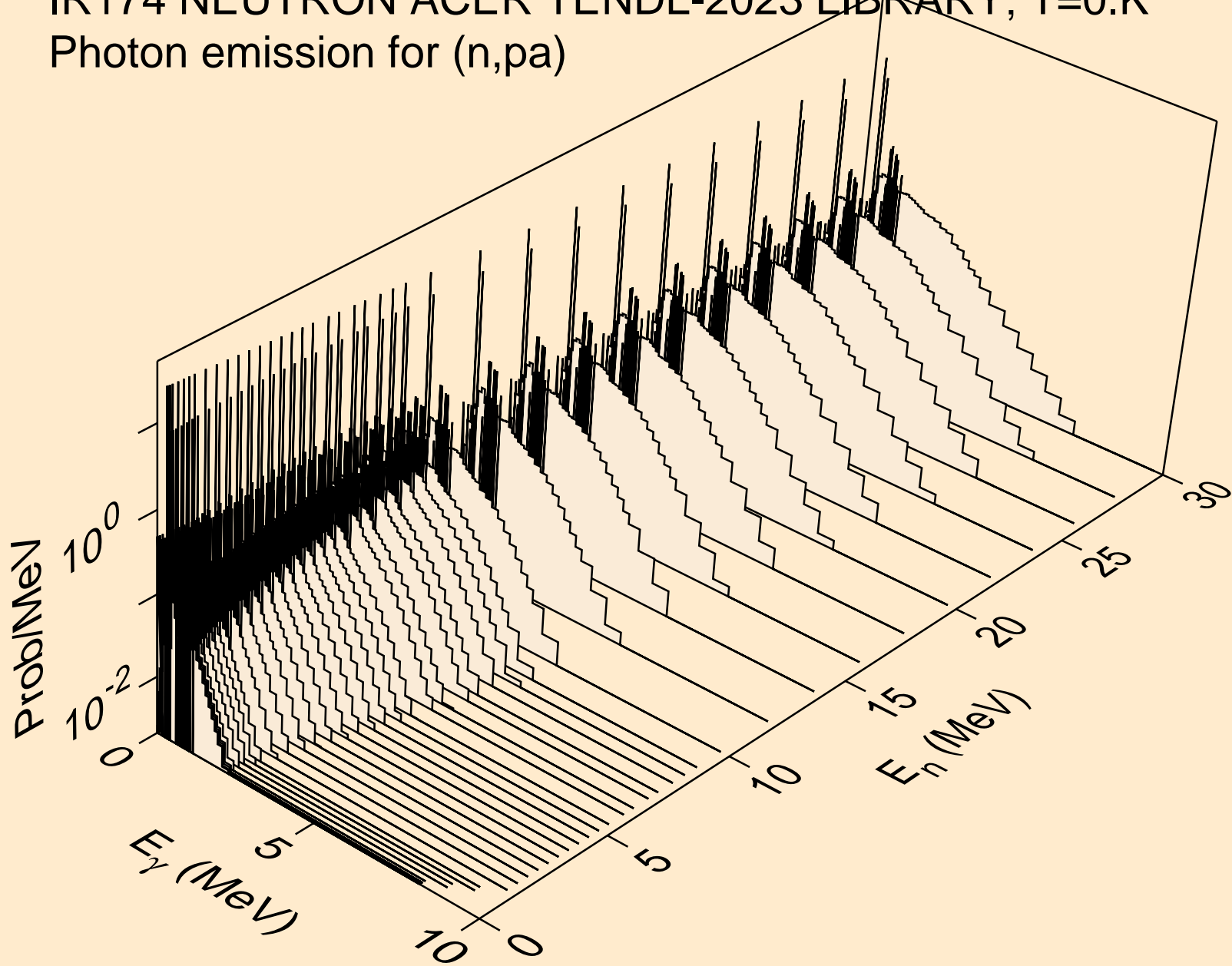
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Photon emission for (n,3a)



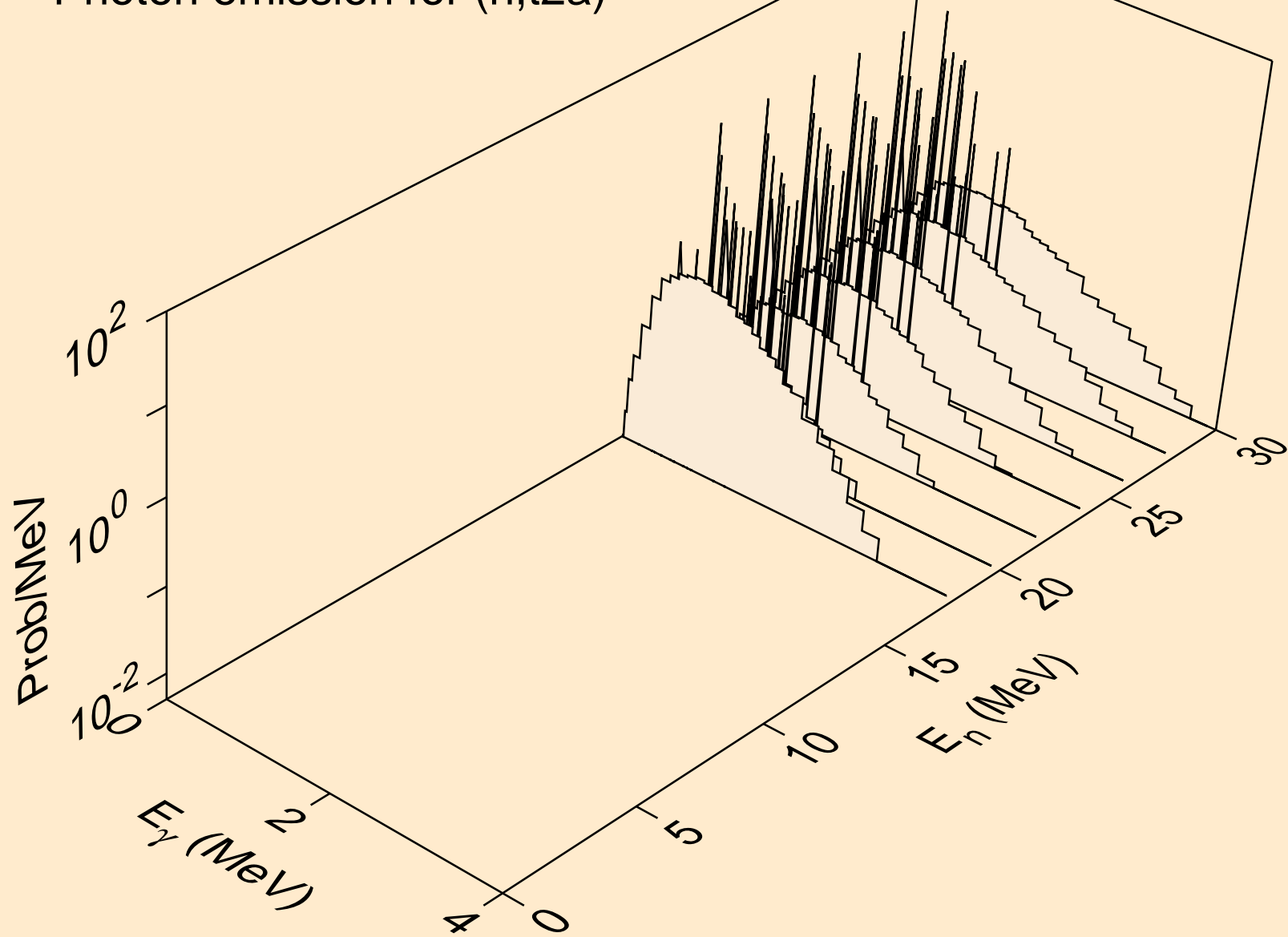
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Photon emission for (n,2p)



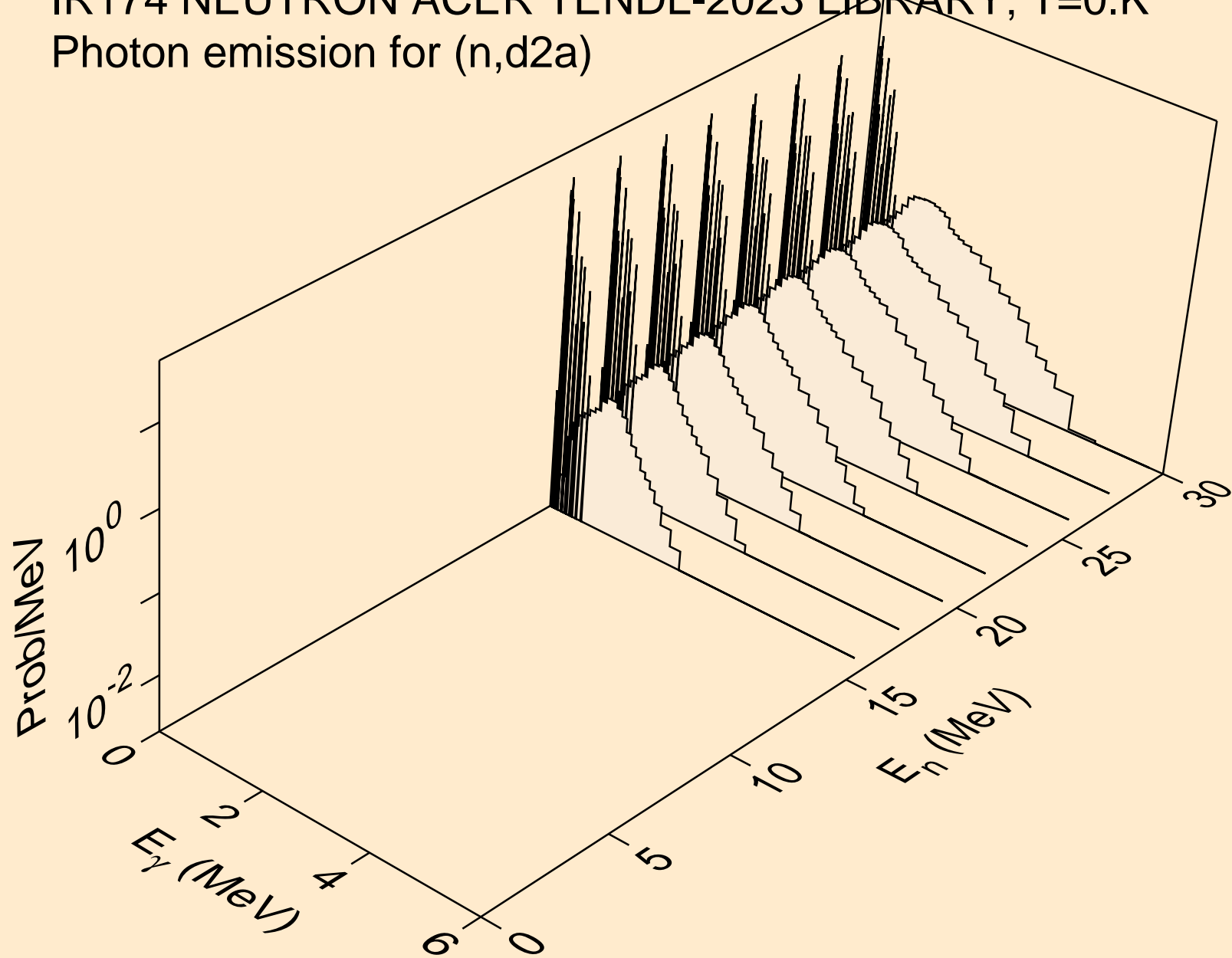
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



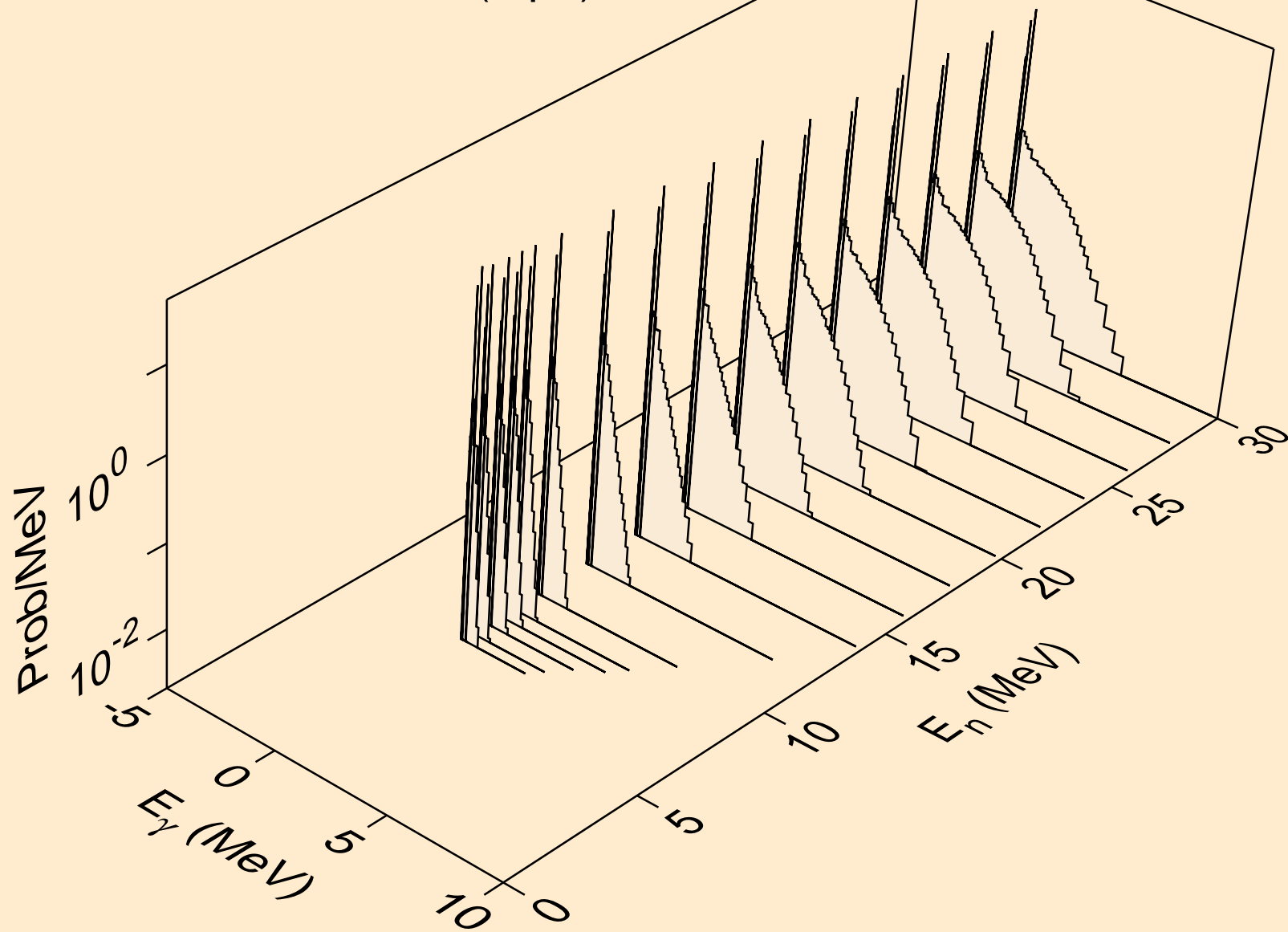
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Photon emission for (n,t2a)



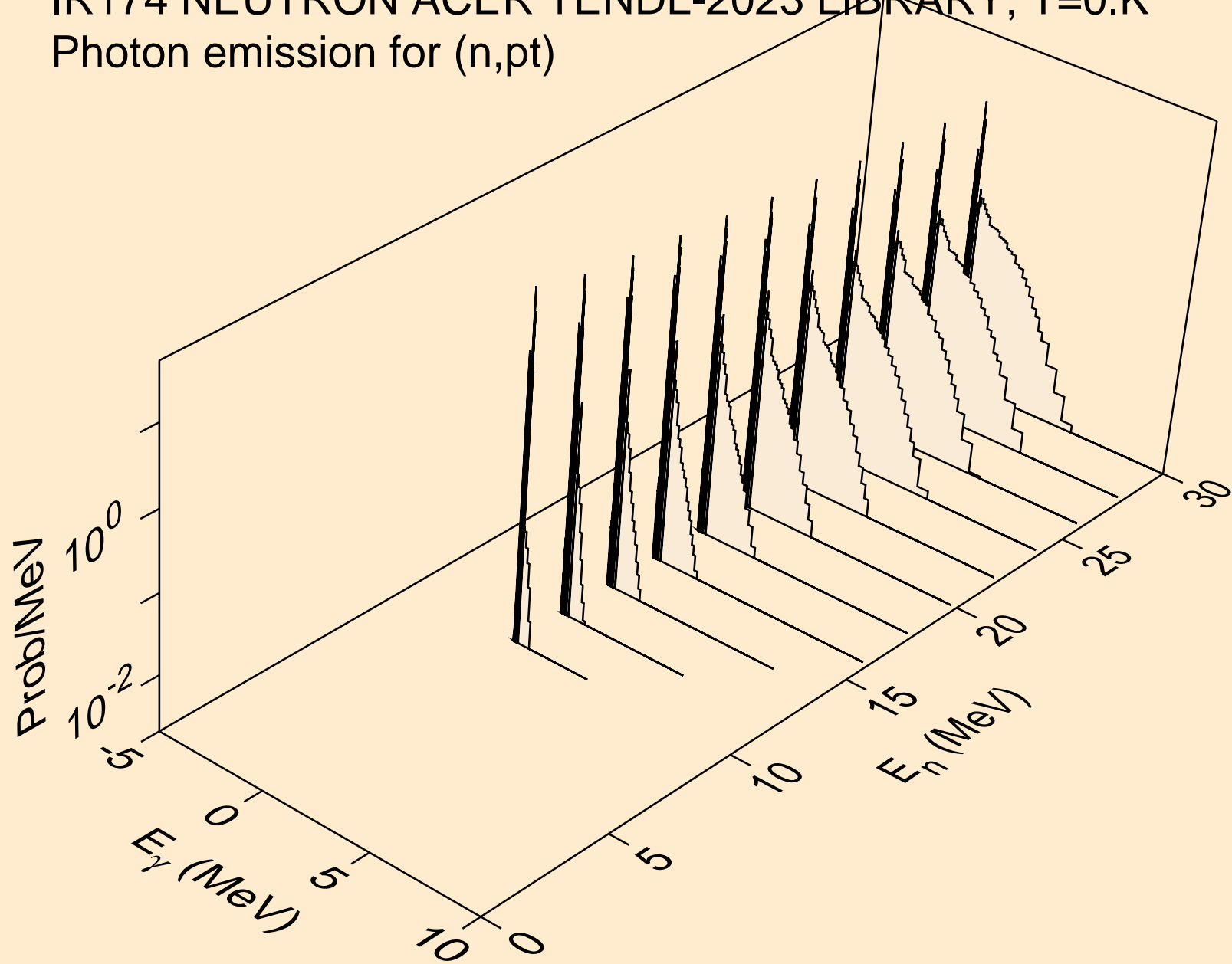
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Photon emission for (n,d2a)



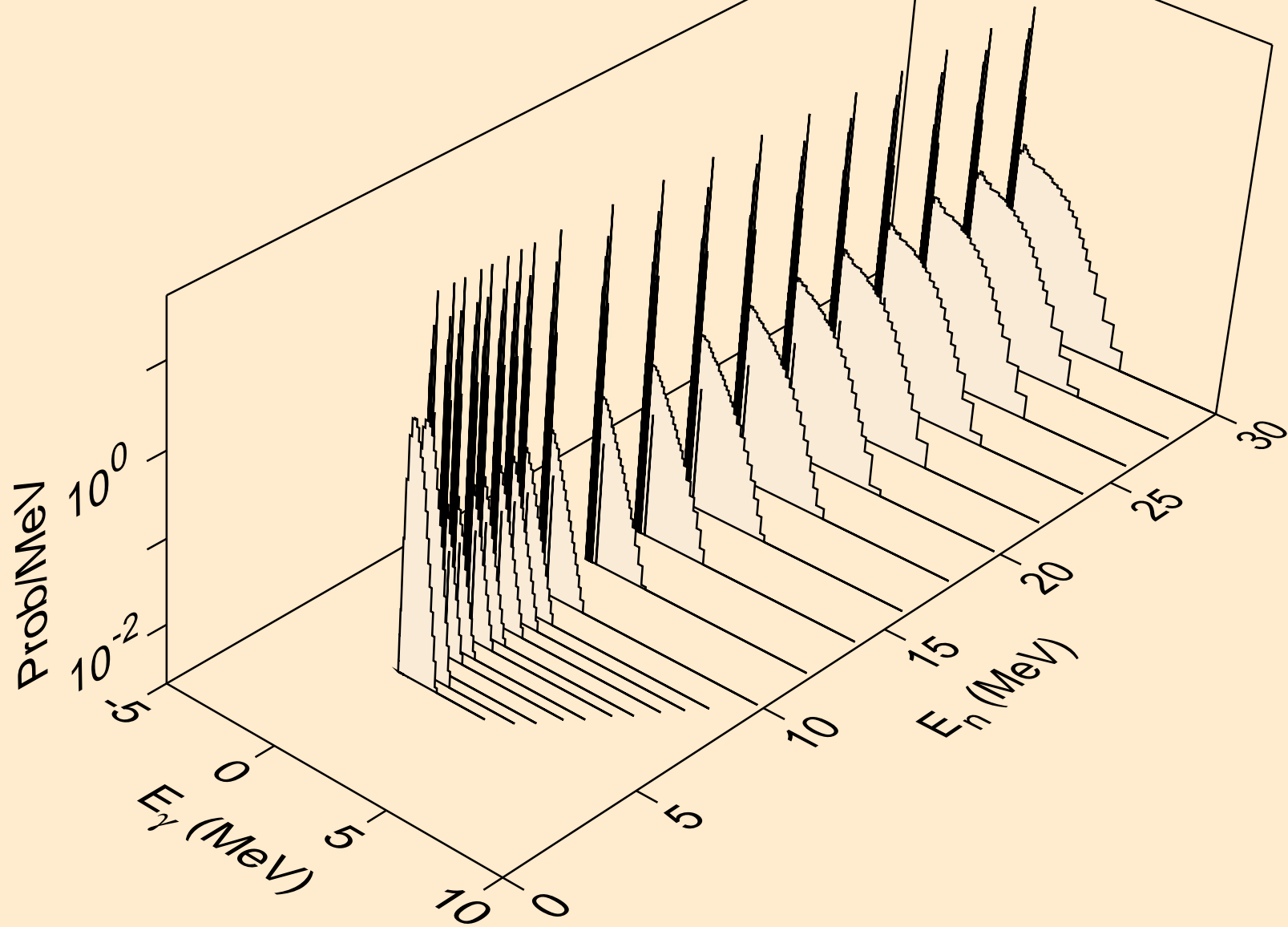
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)



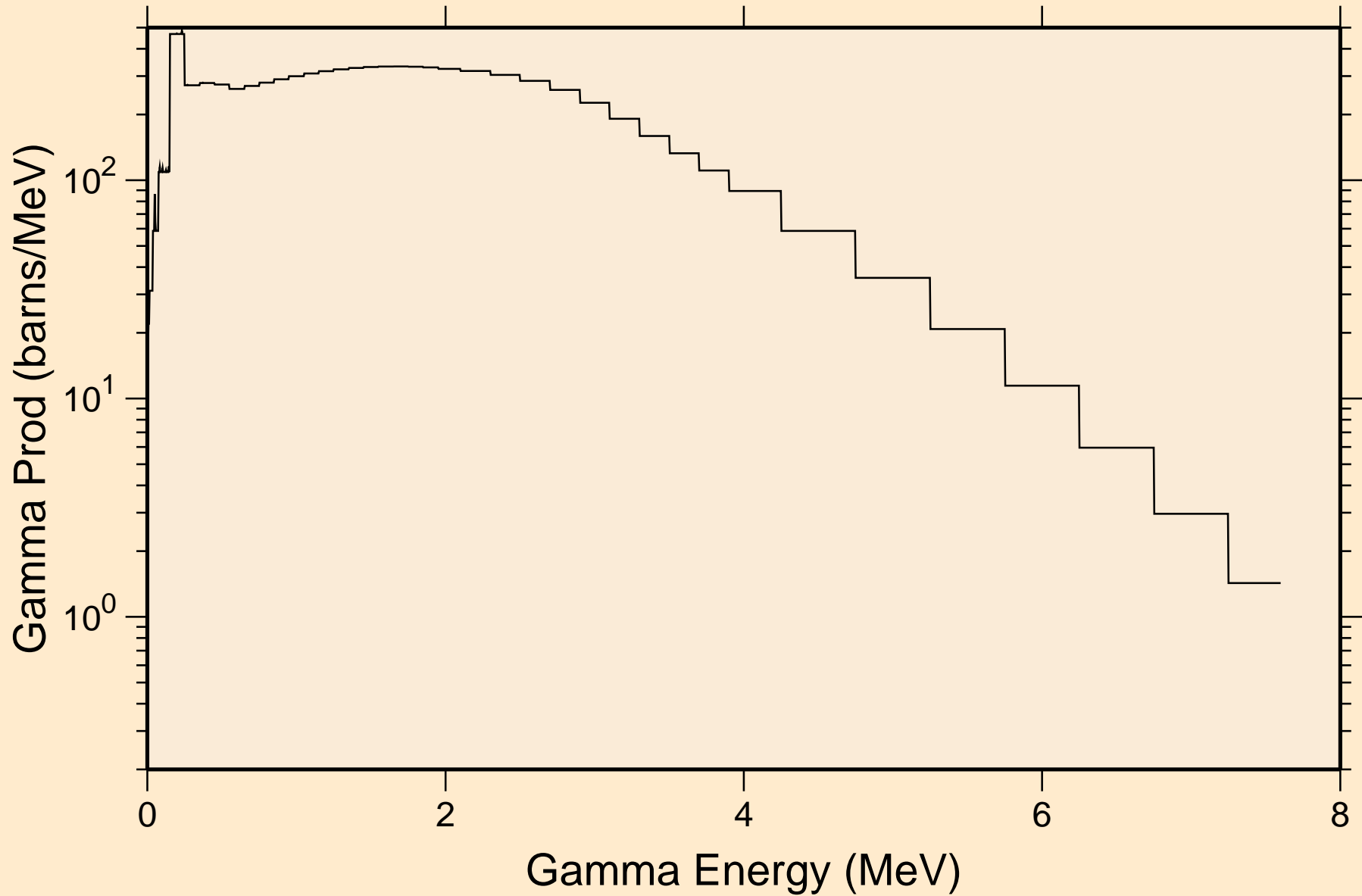
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)



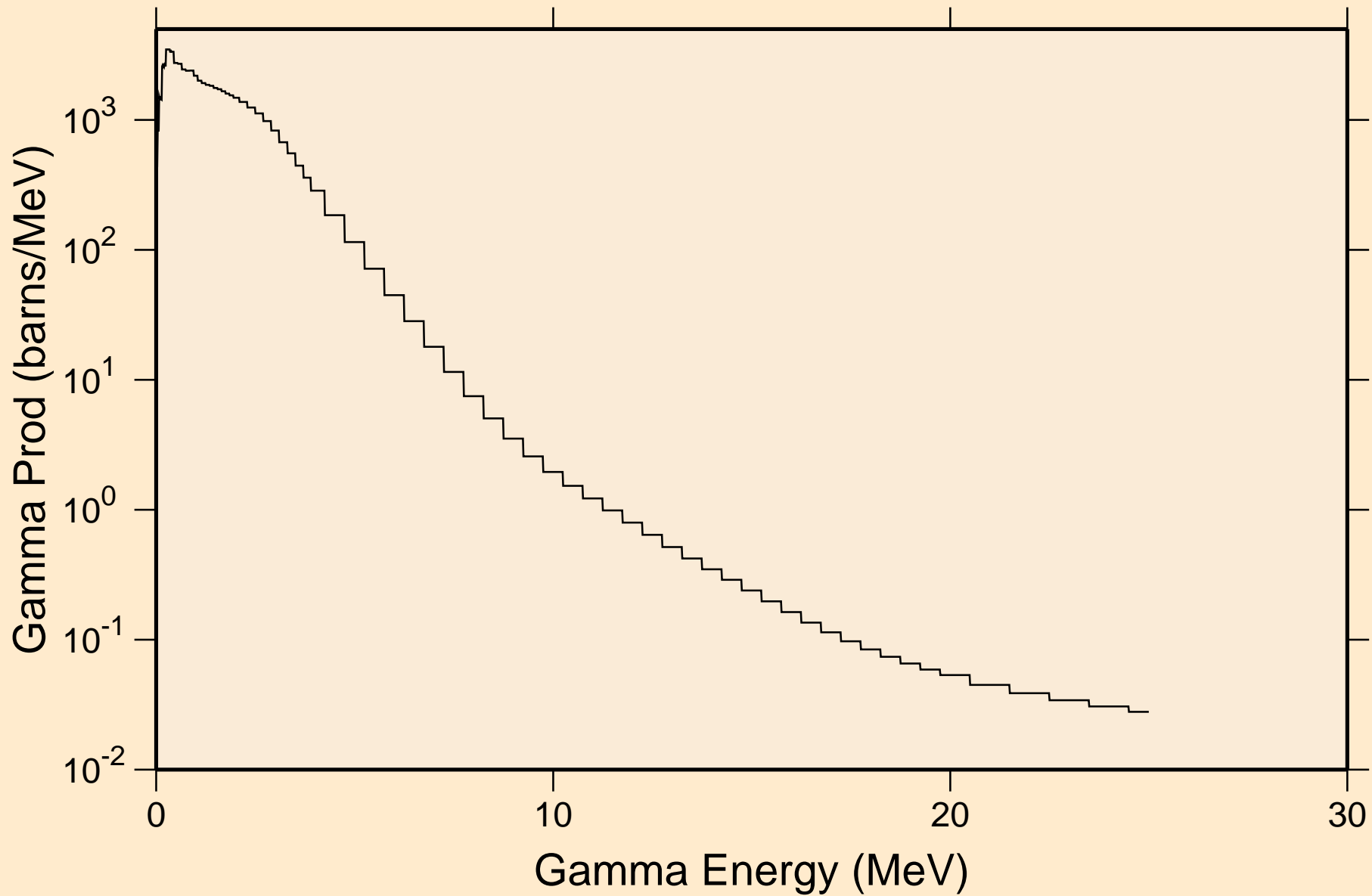
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Photon emission for (n,da)



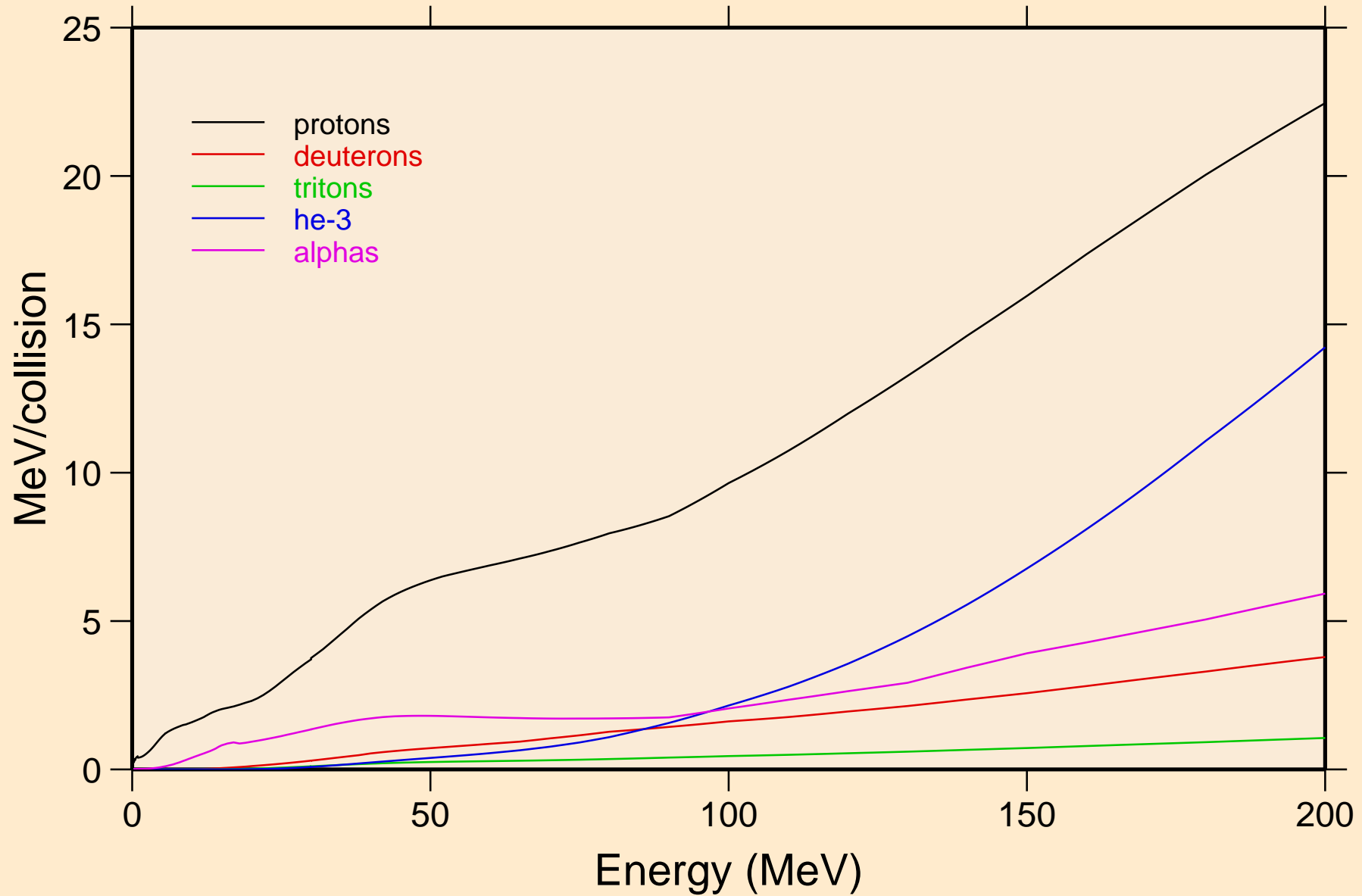
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum



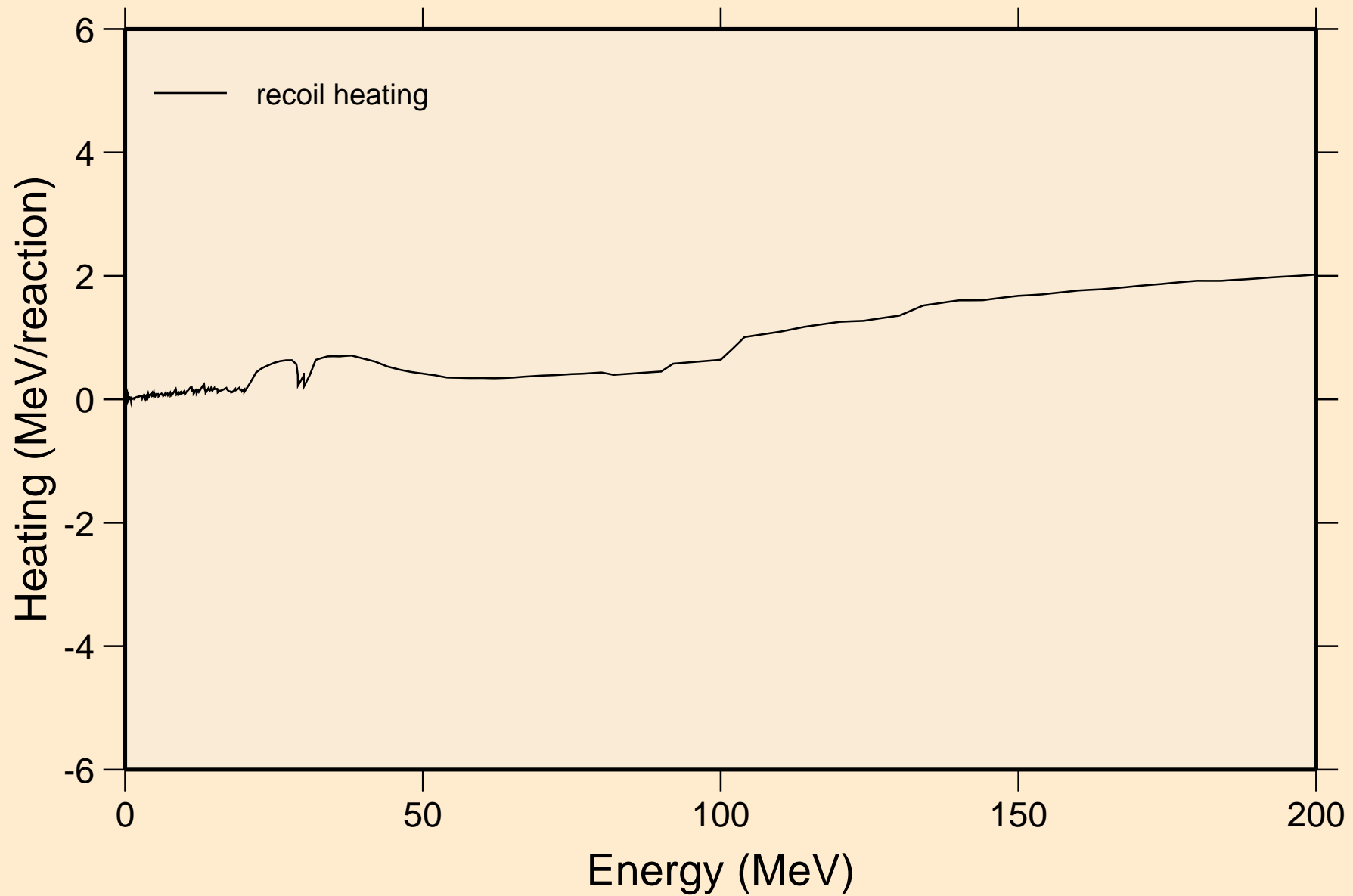
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle heating contributions

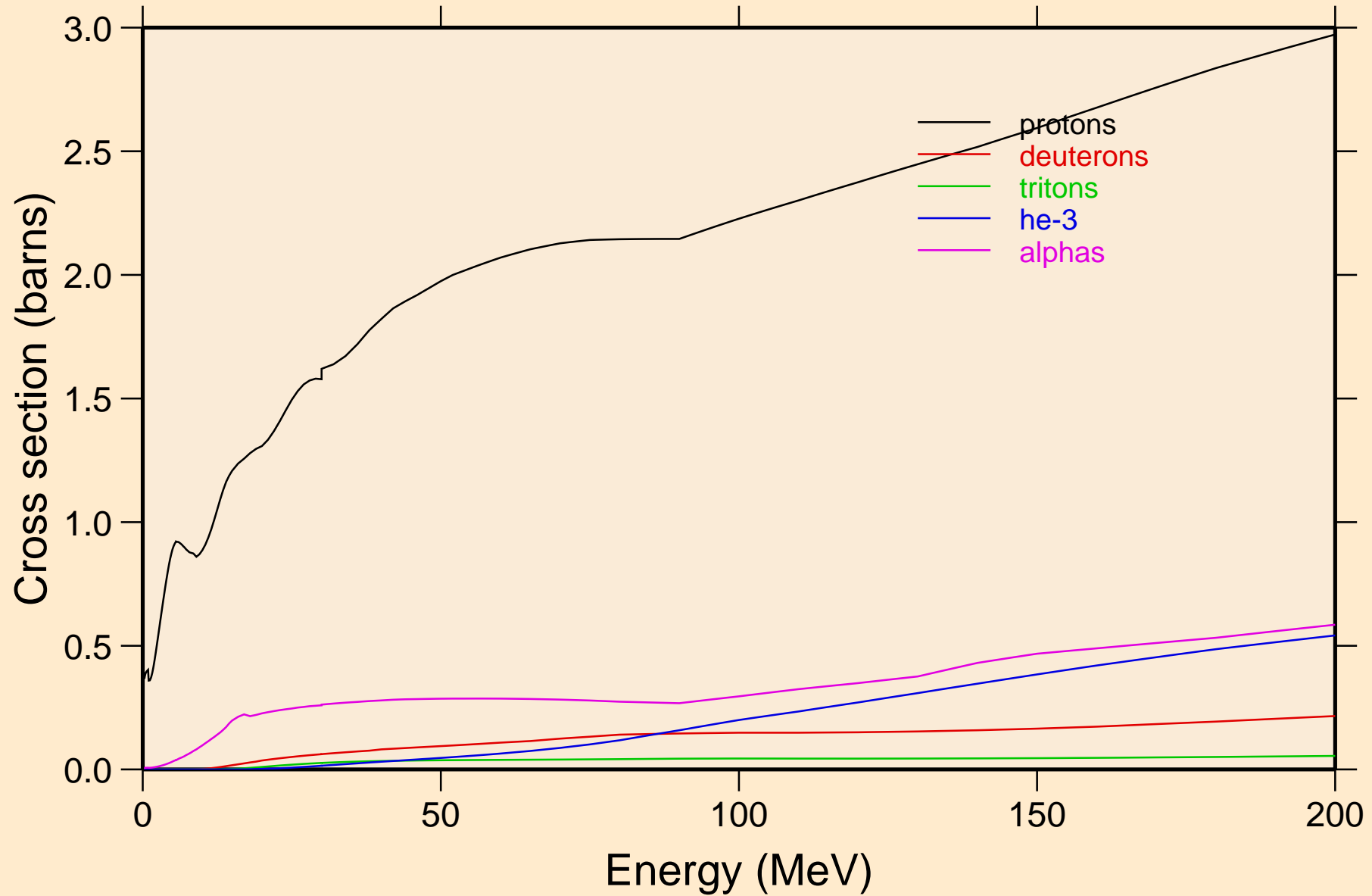


IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Recoil Heating

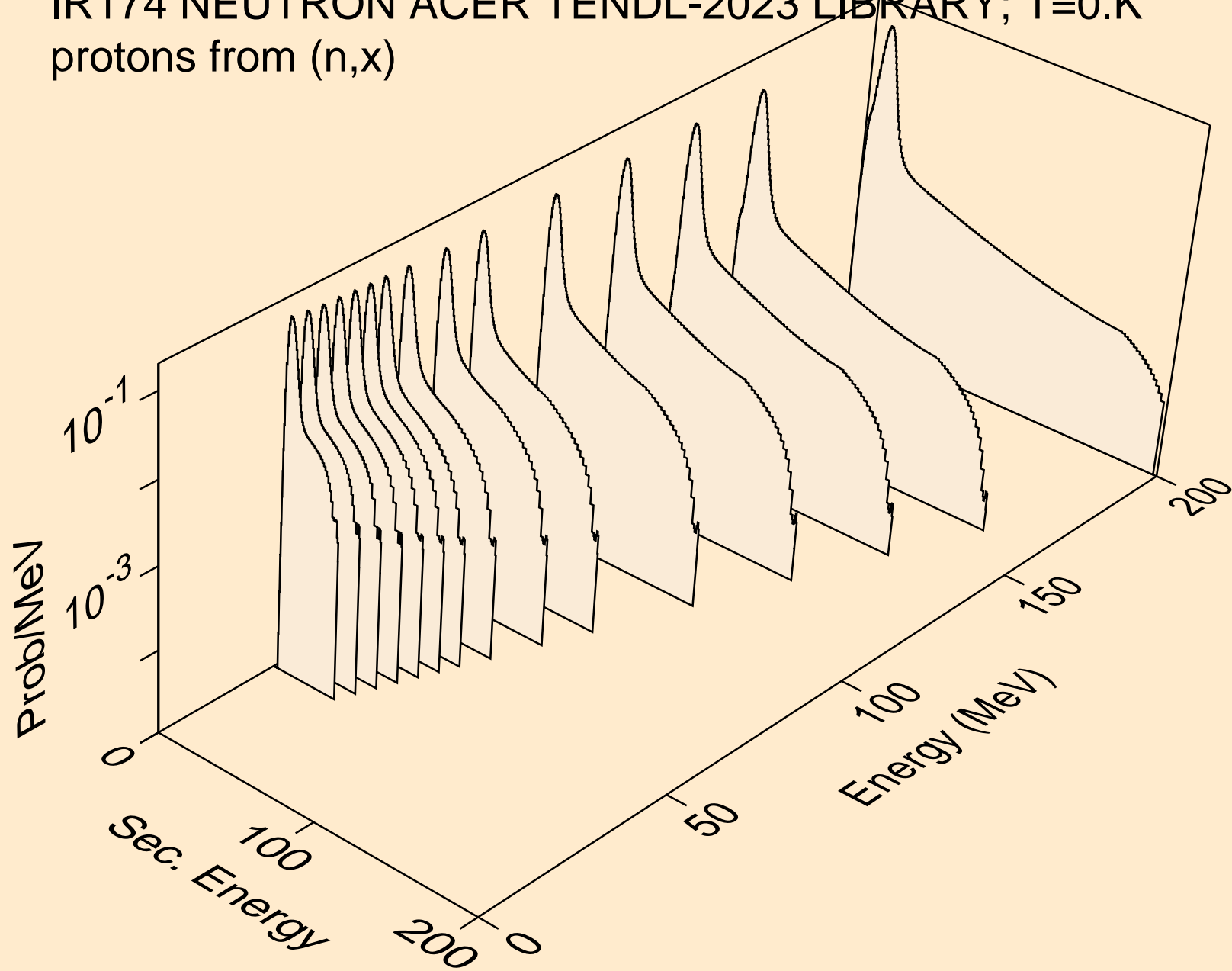


# IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

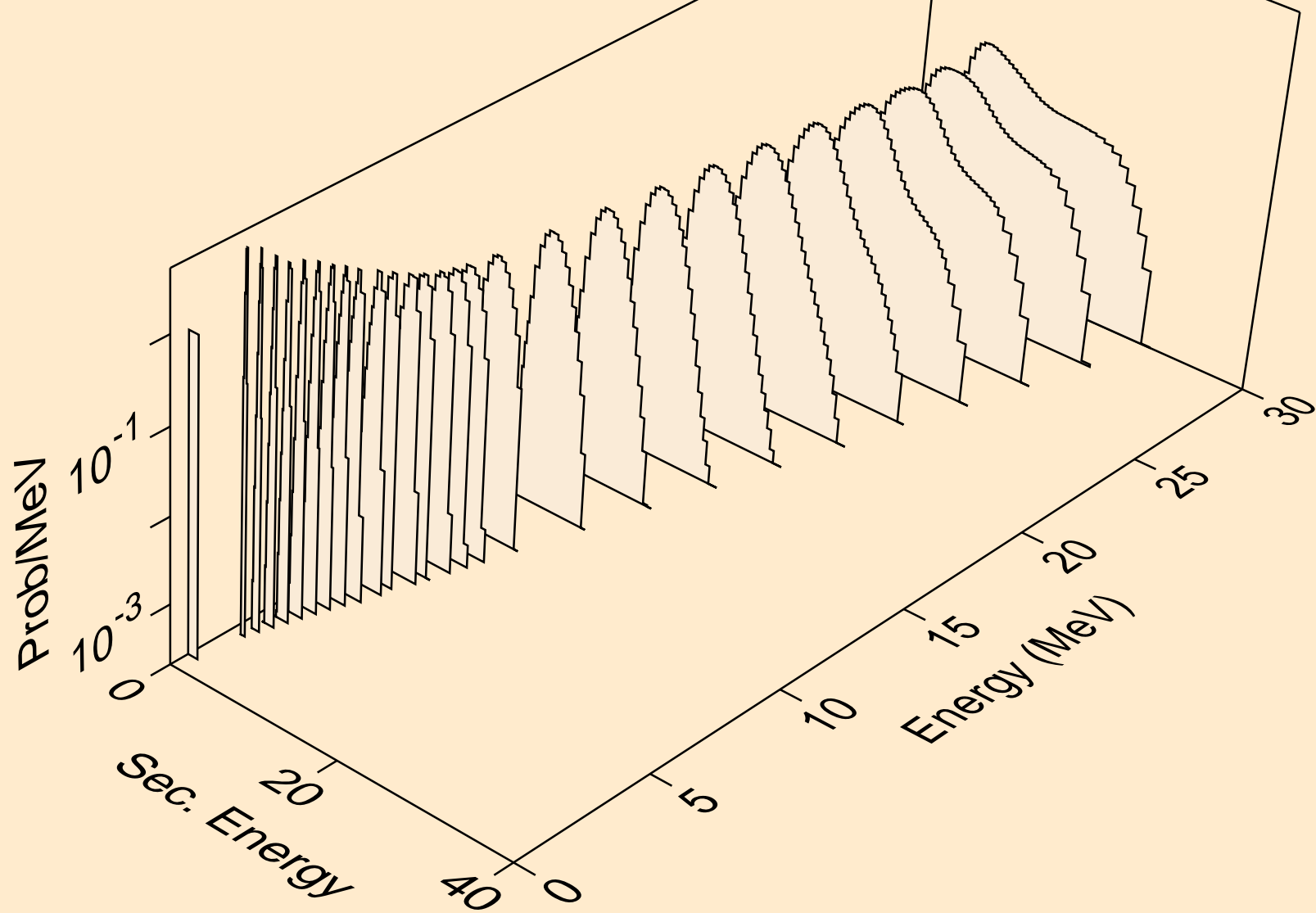
## Particle production cross sections



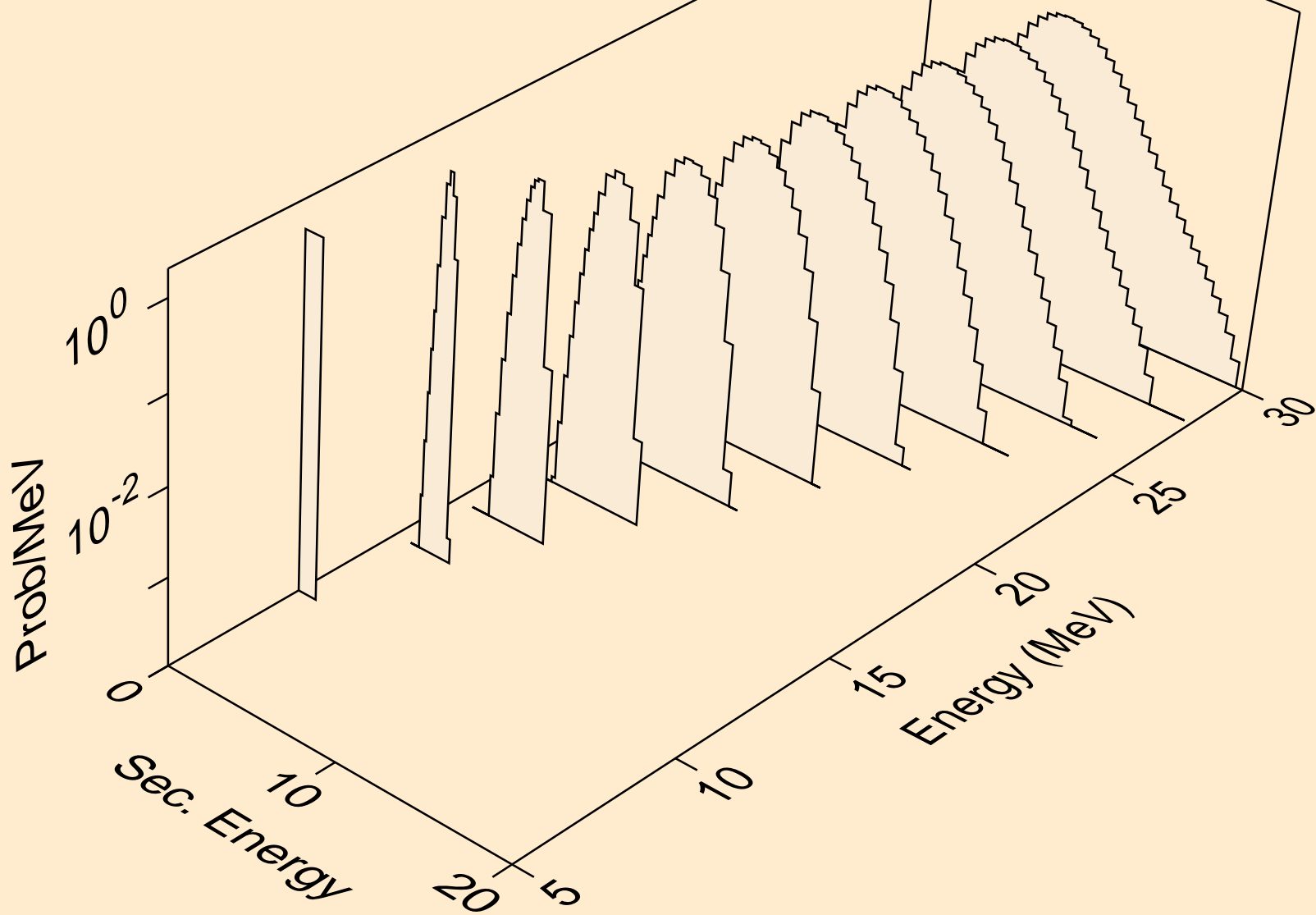
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)



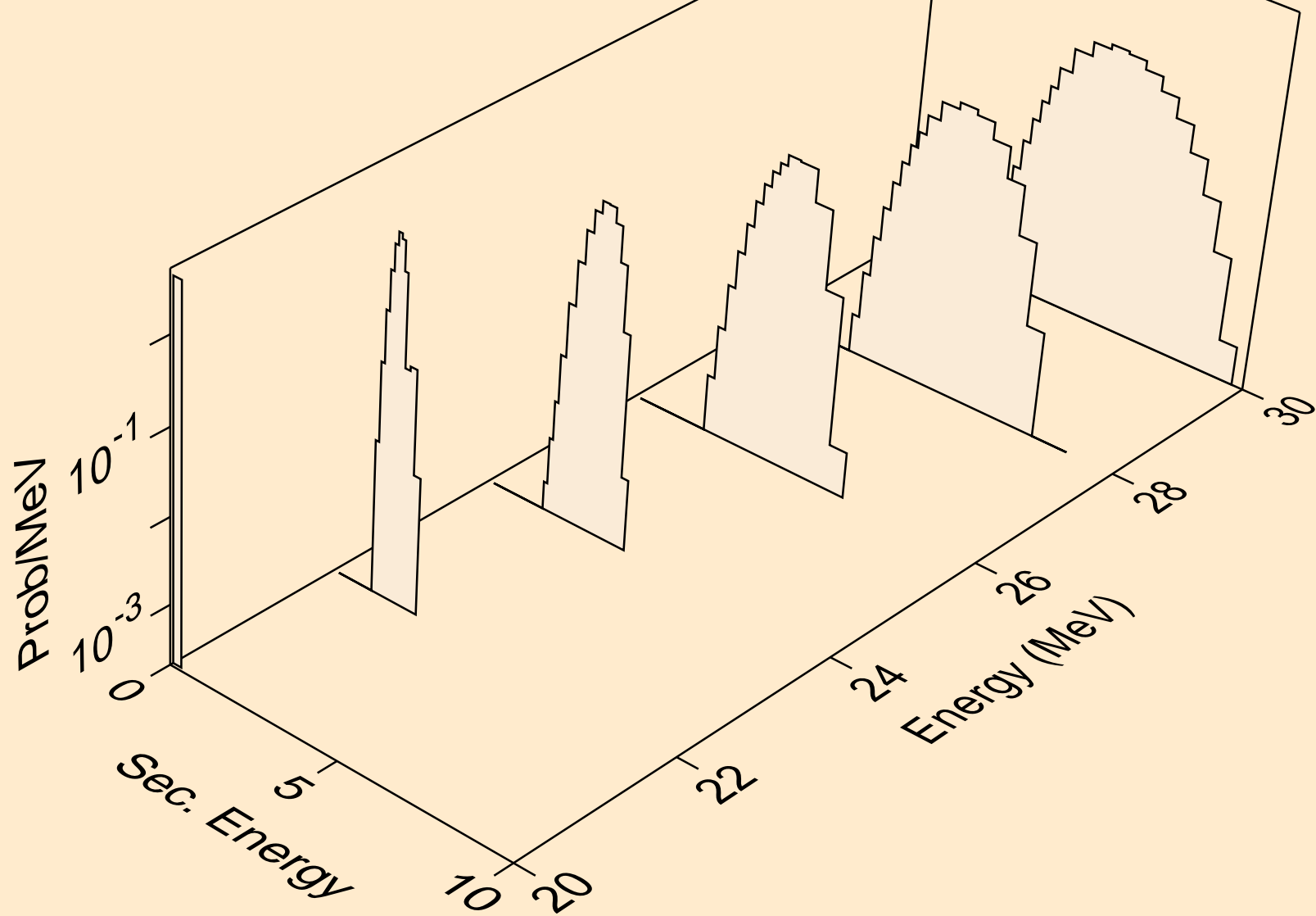
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p



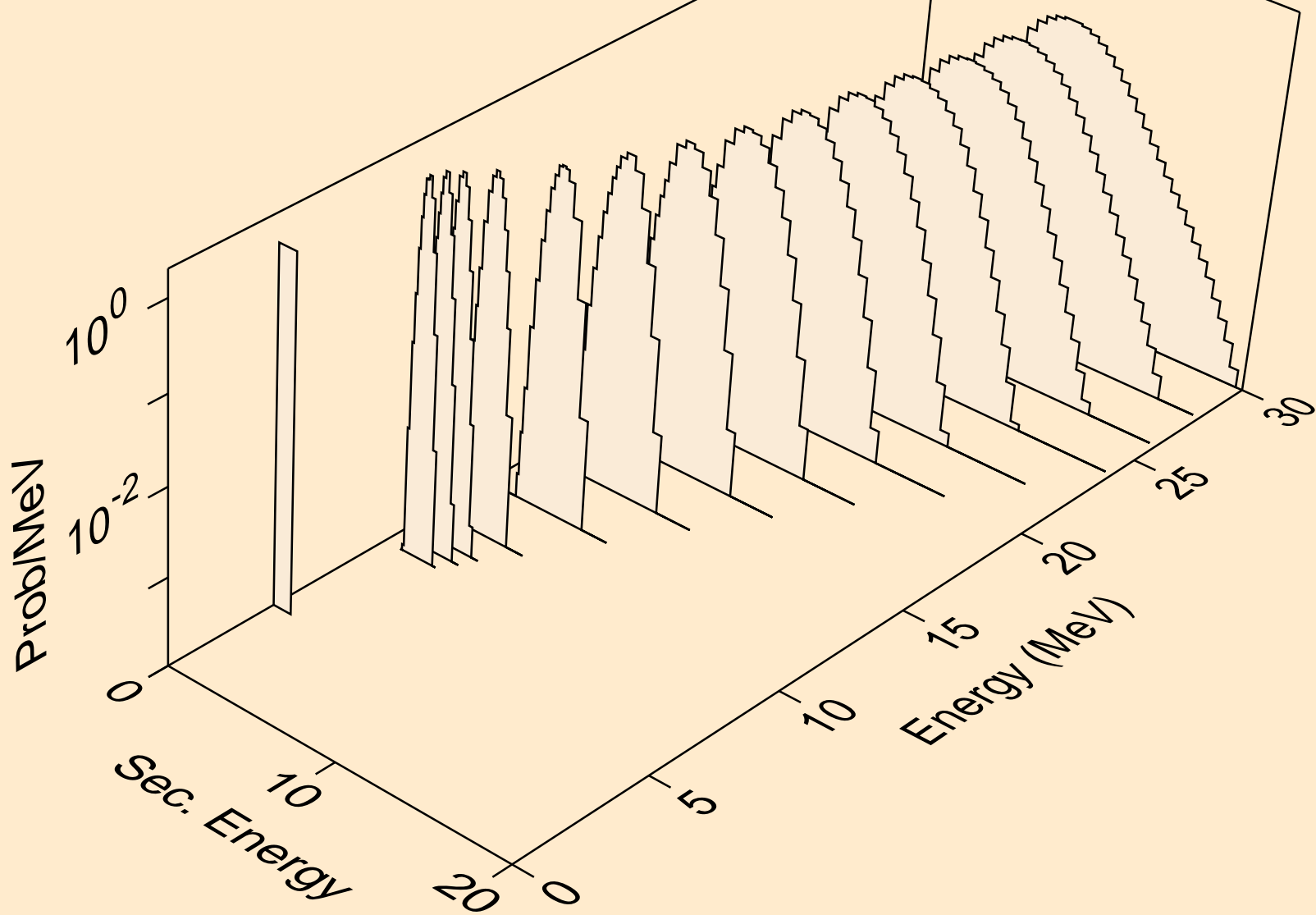
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,2np)



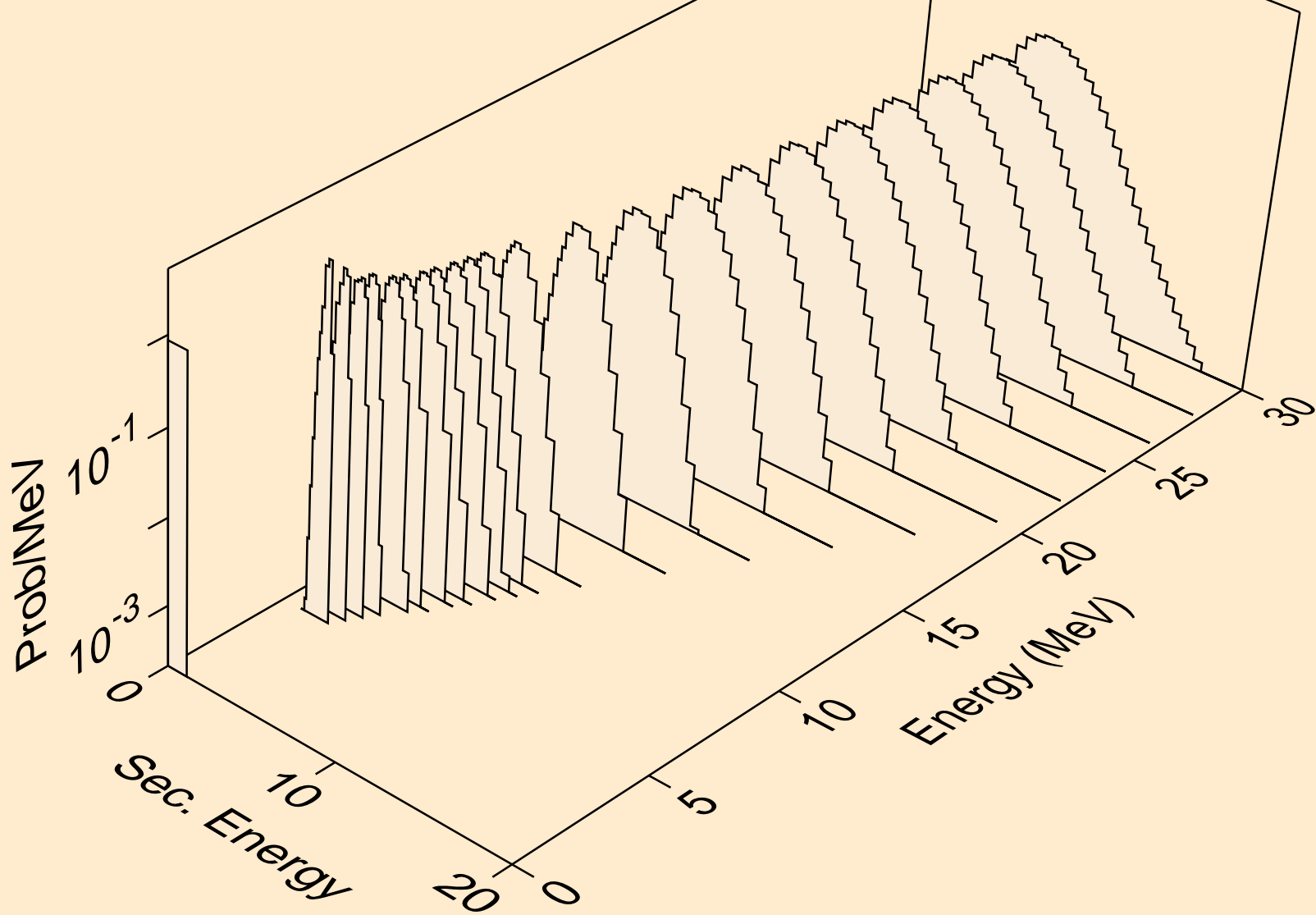
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protons from (n,3np)



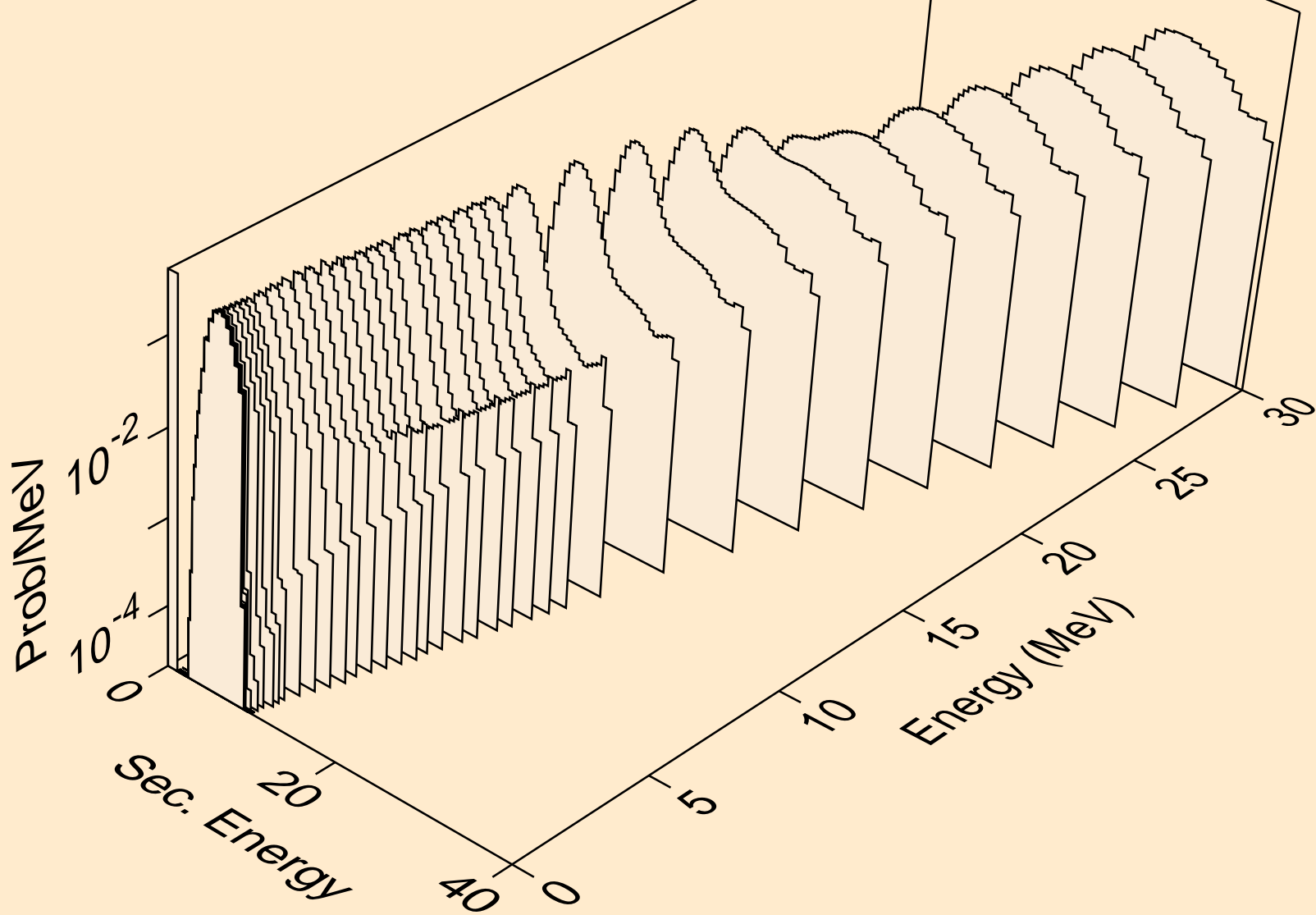
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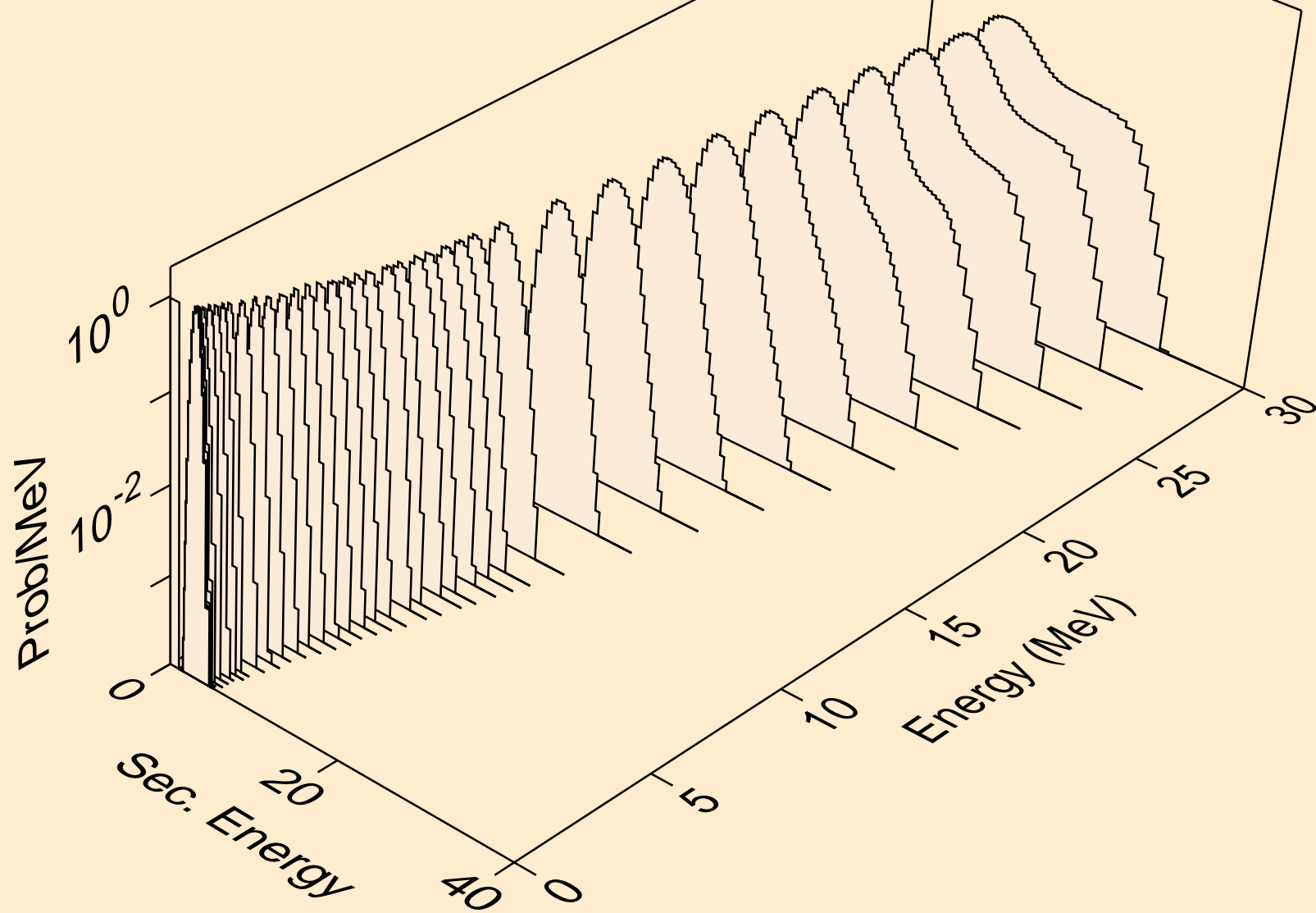
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protons from (n,npa)



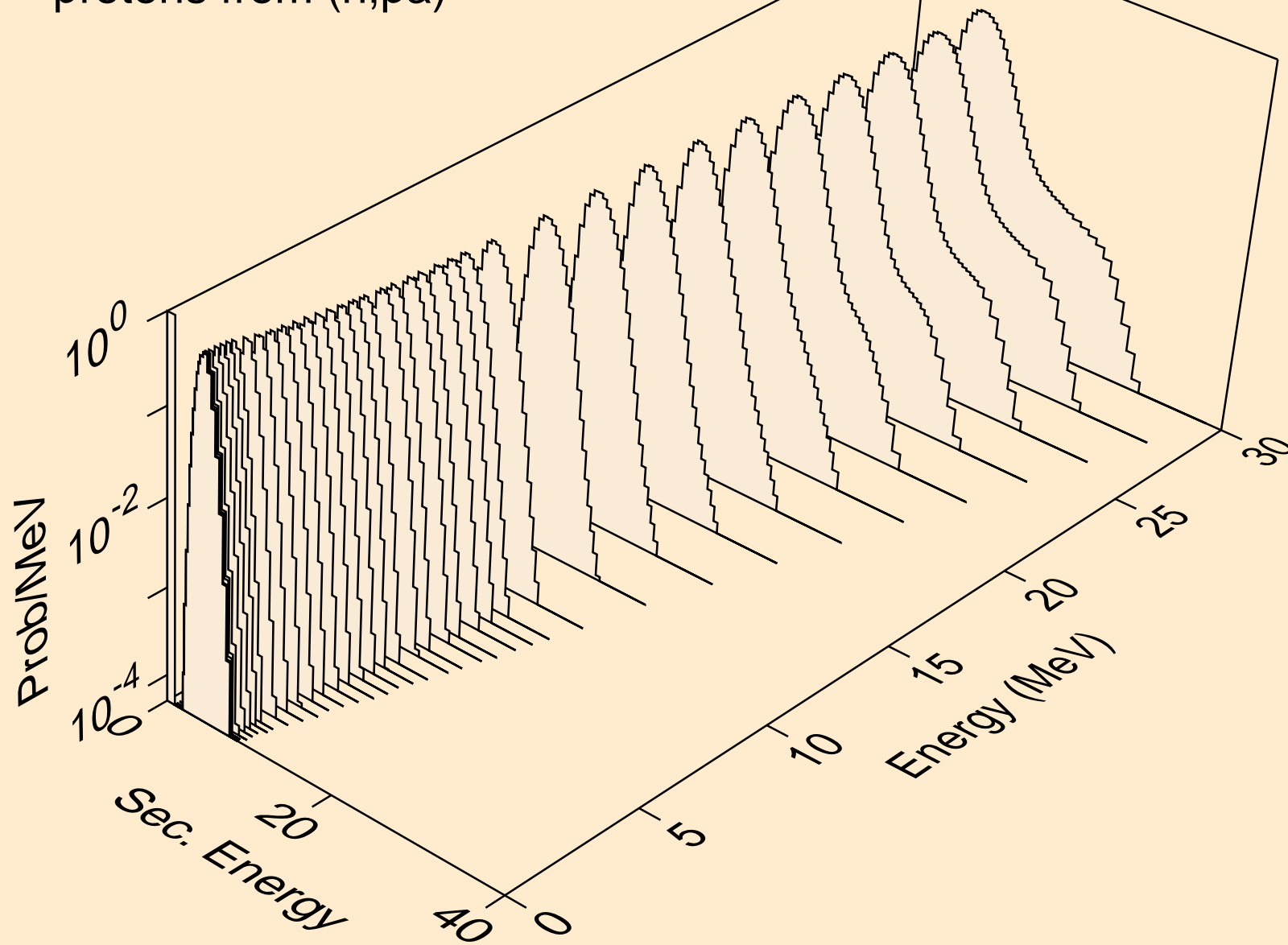
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protons from (n,p)



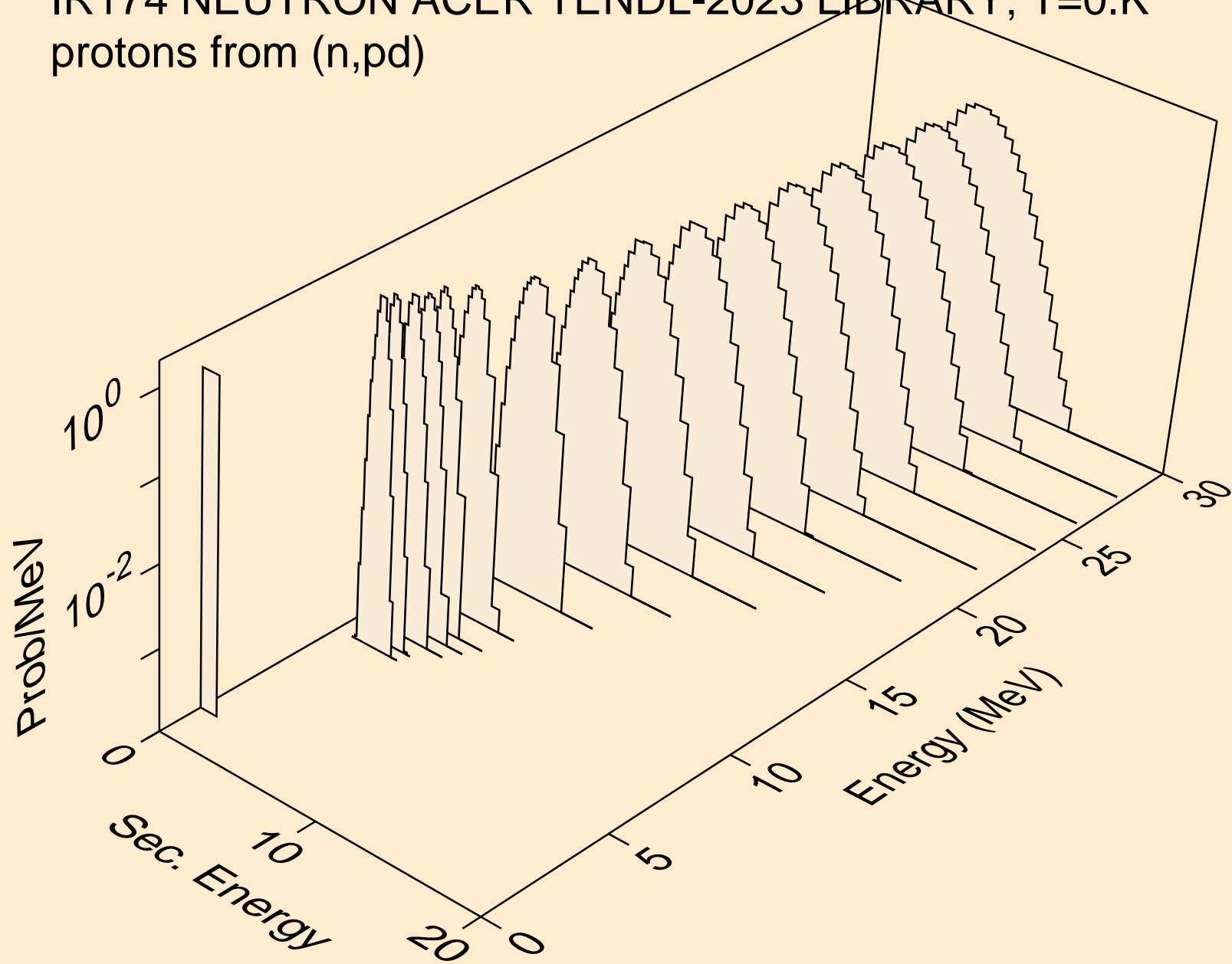
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protons from (n,2p)



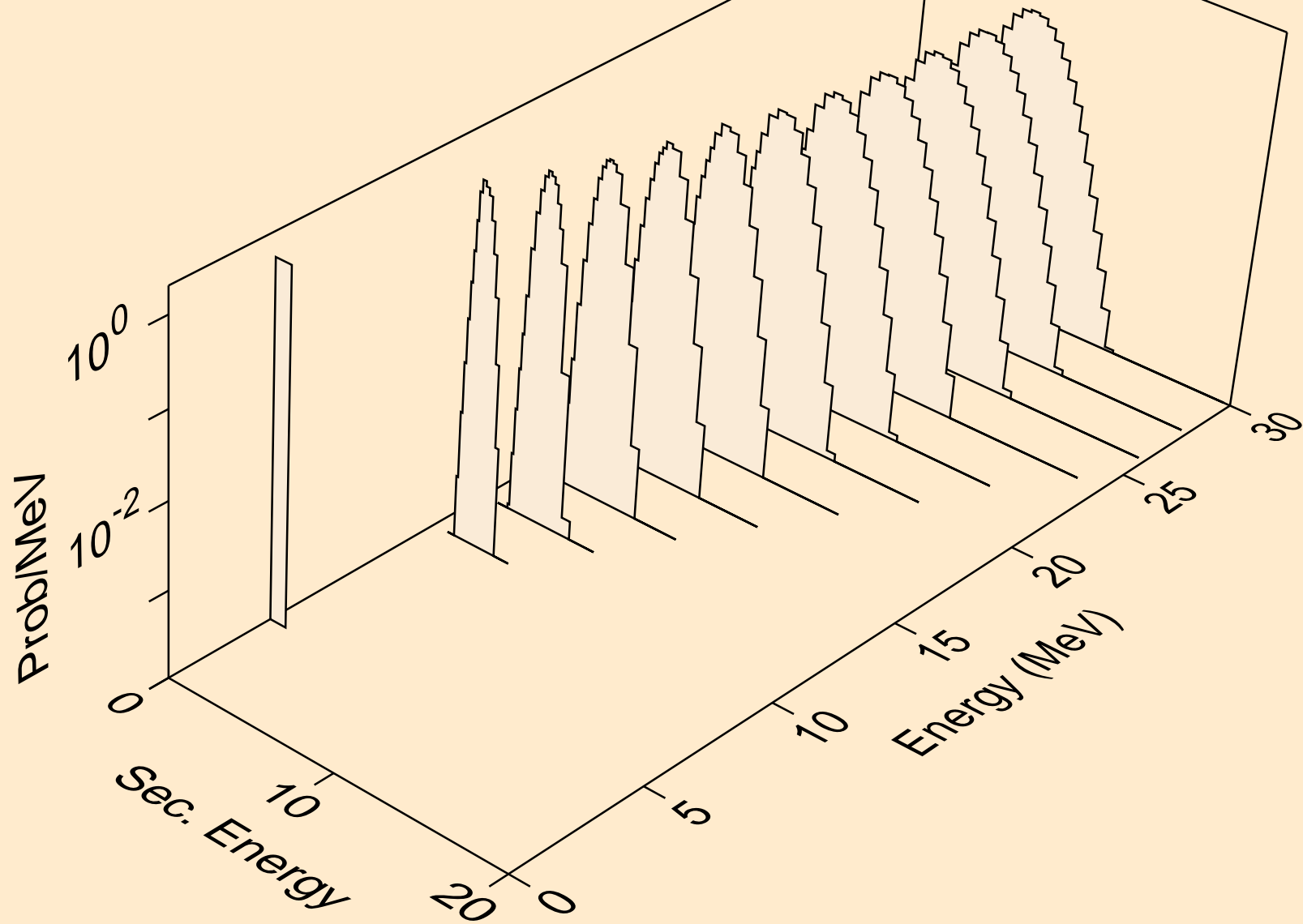
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protons from (n,p)



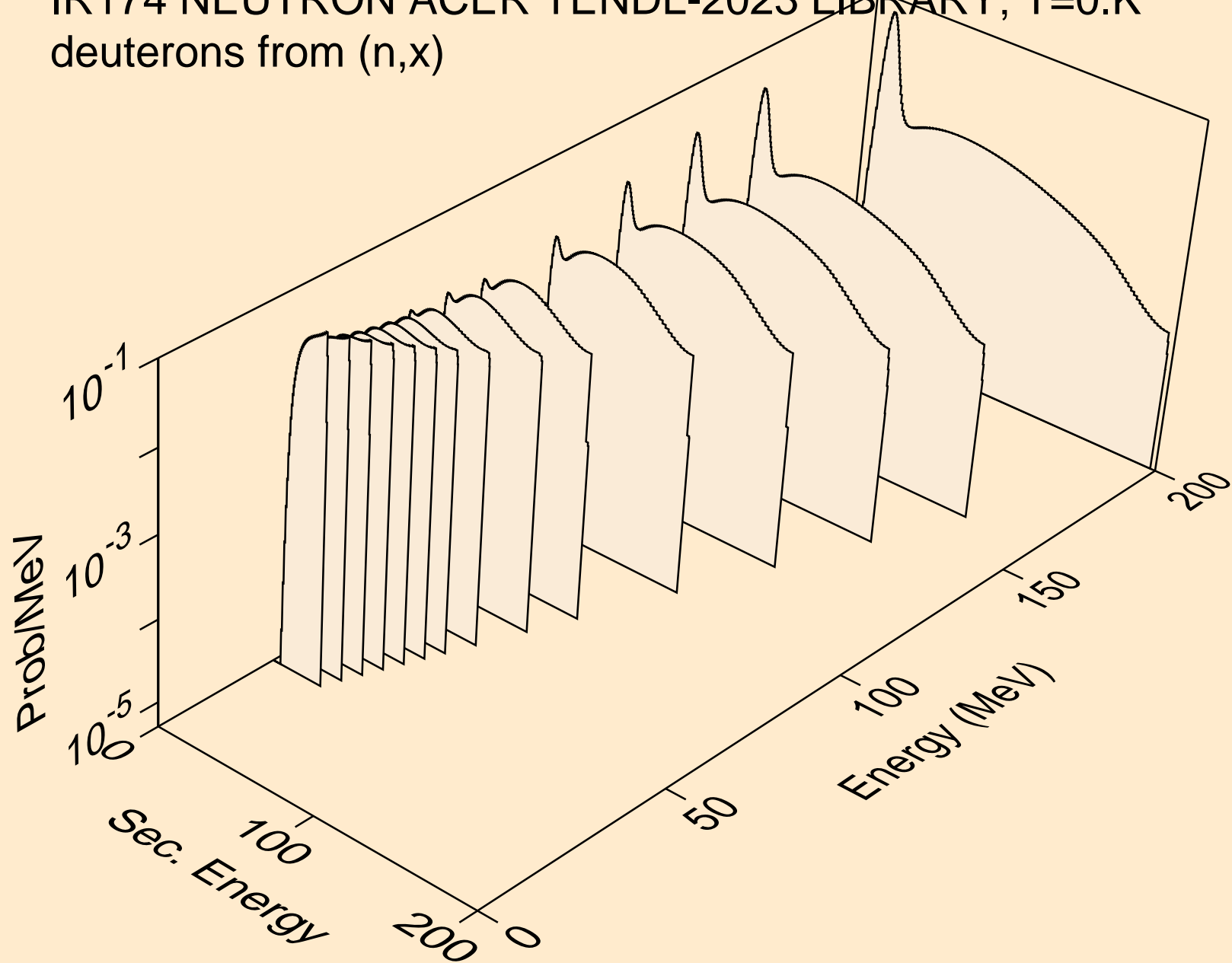
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protons from (n,pd)



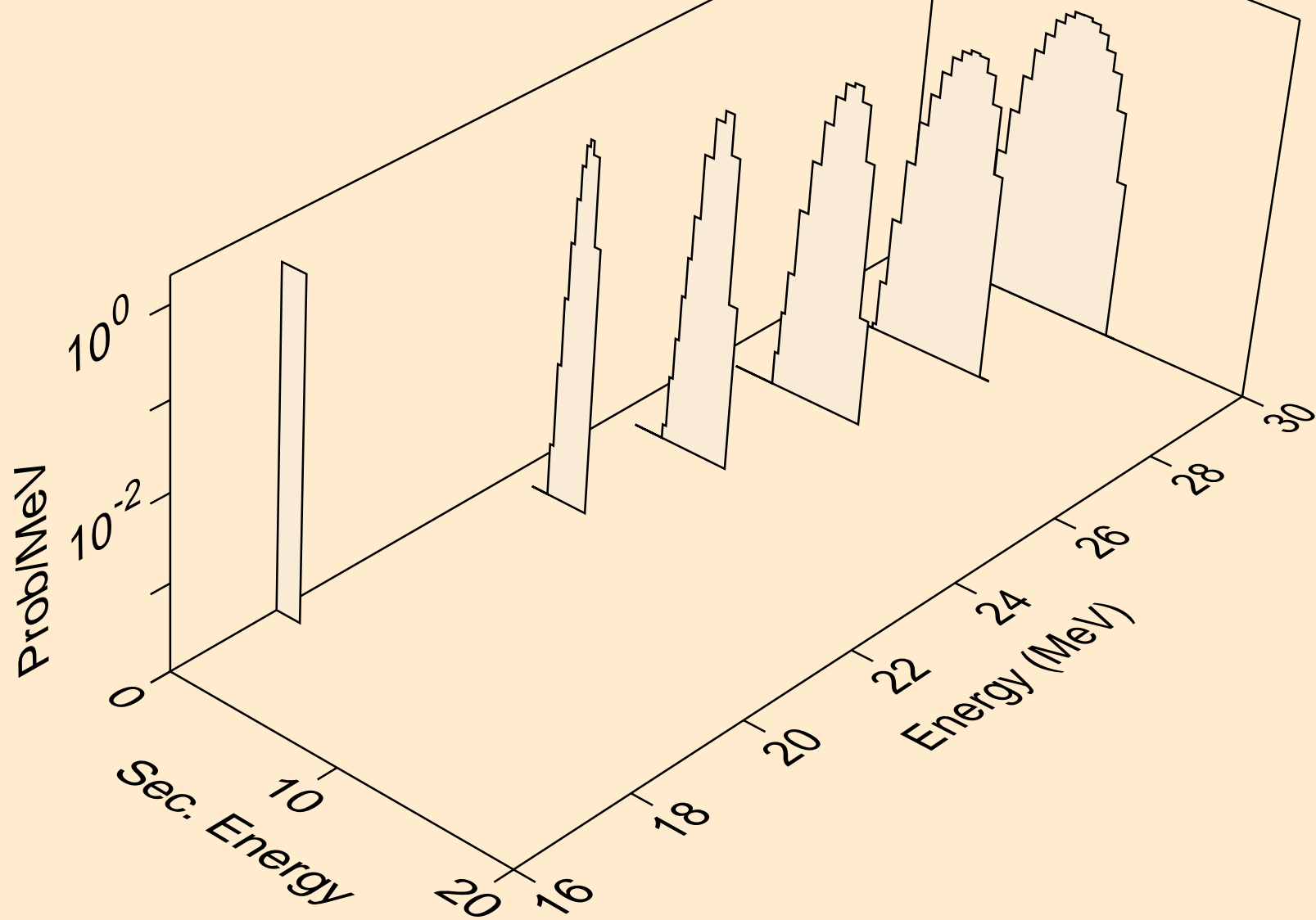
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protons from (n,pt)



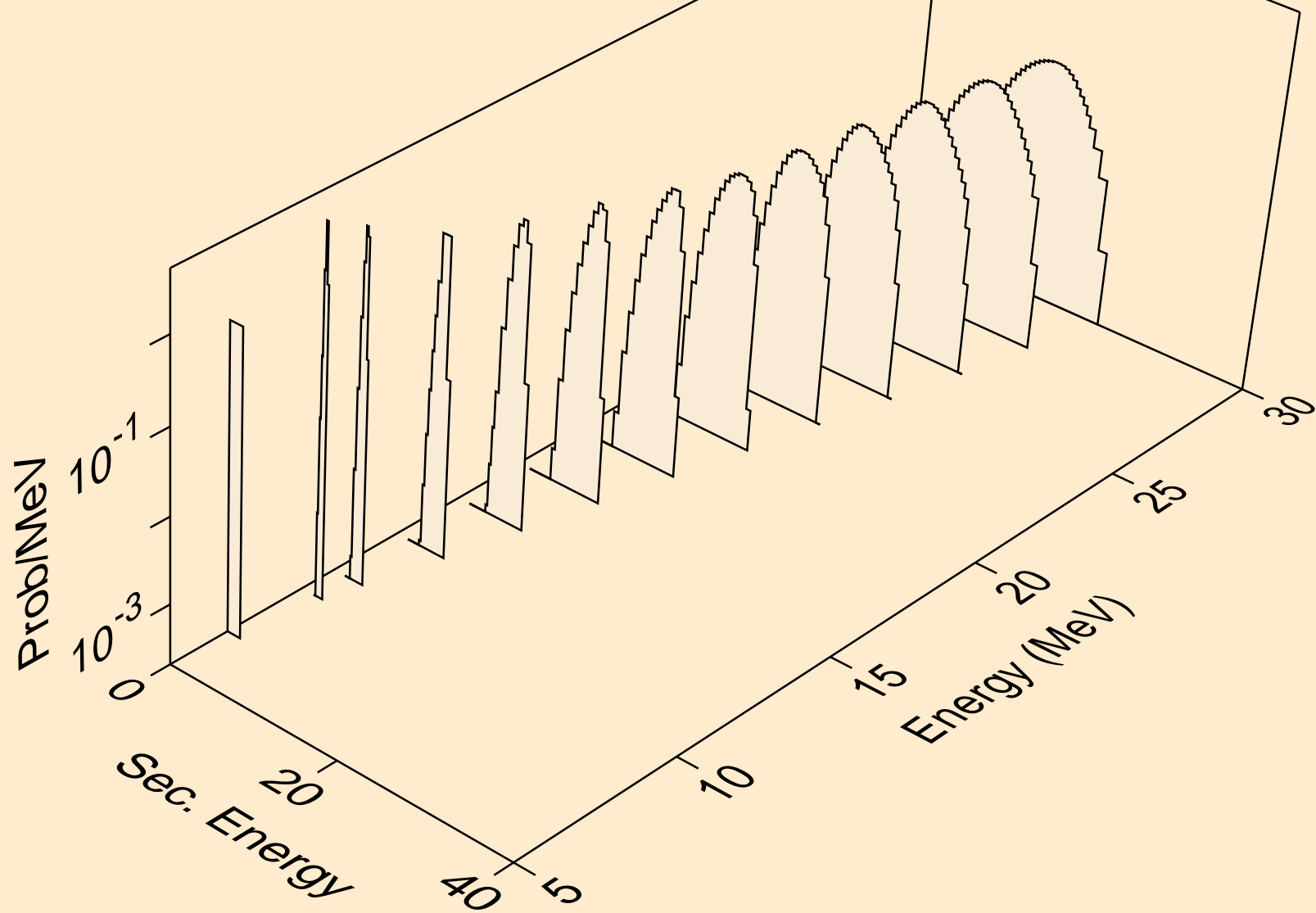
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deuterons from (n,x)



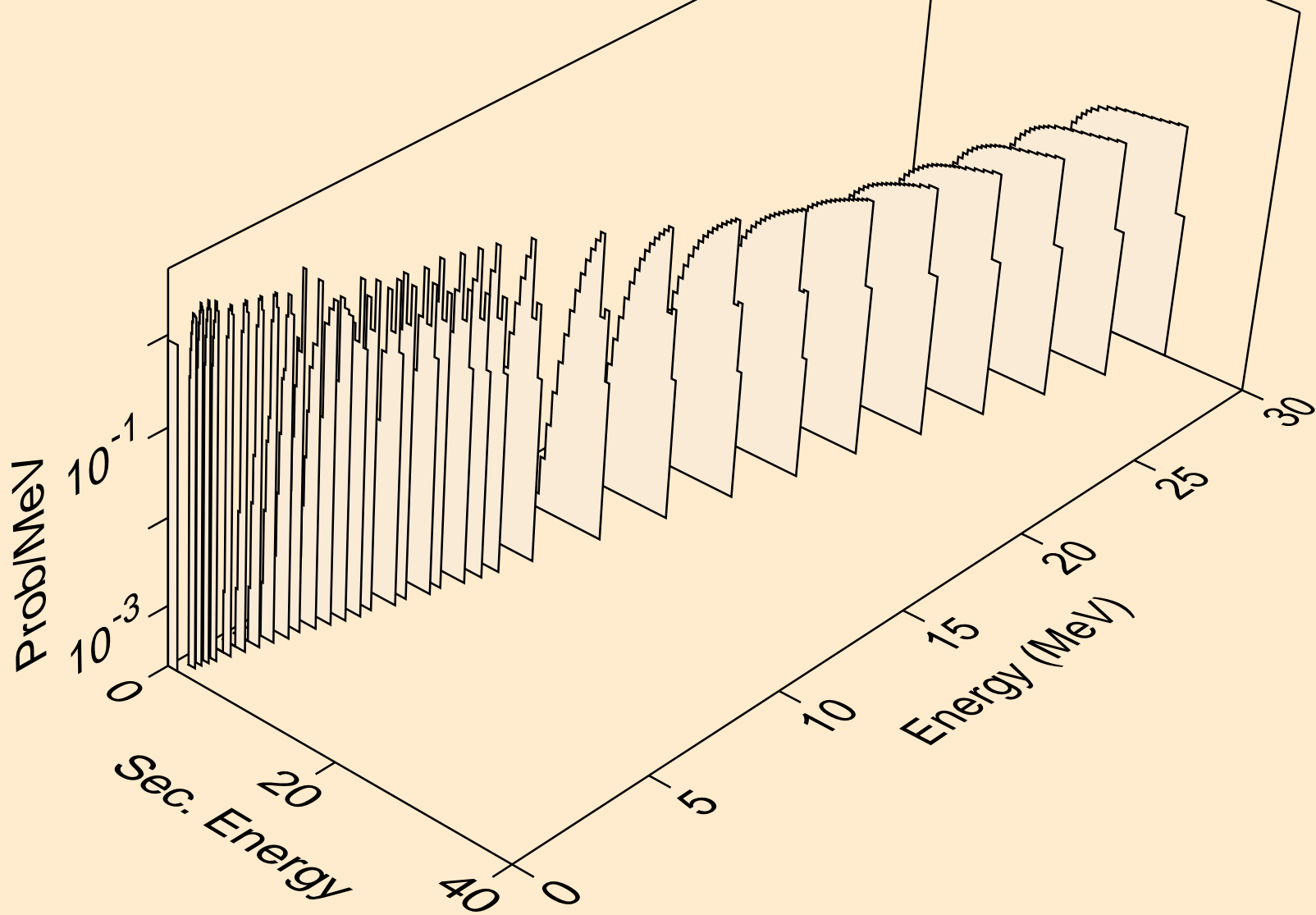
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deuterons from (n,2nd)



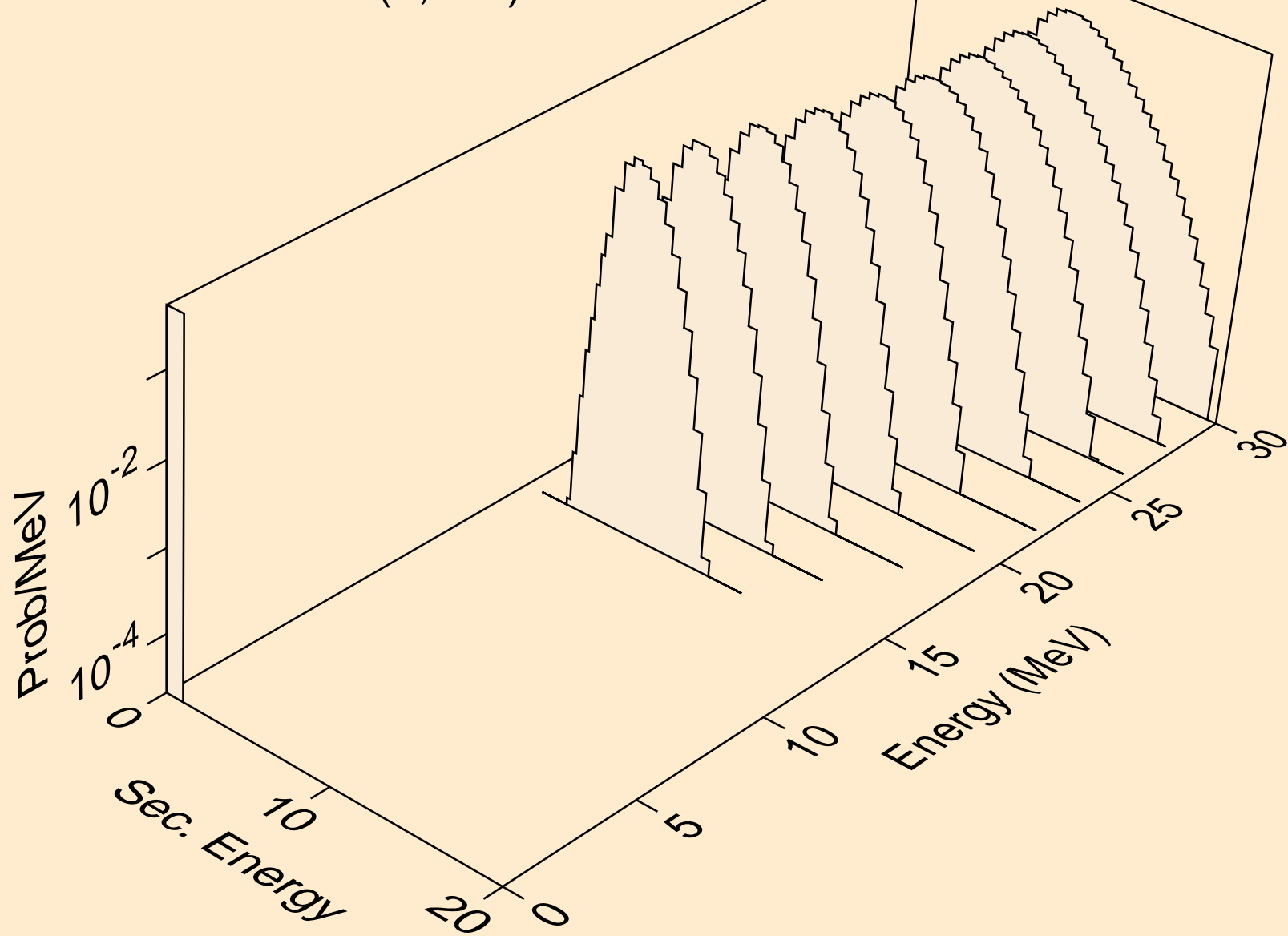
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deuterons from (n,n\*)d



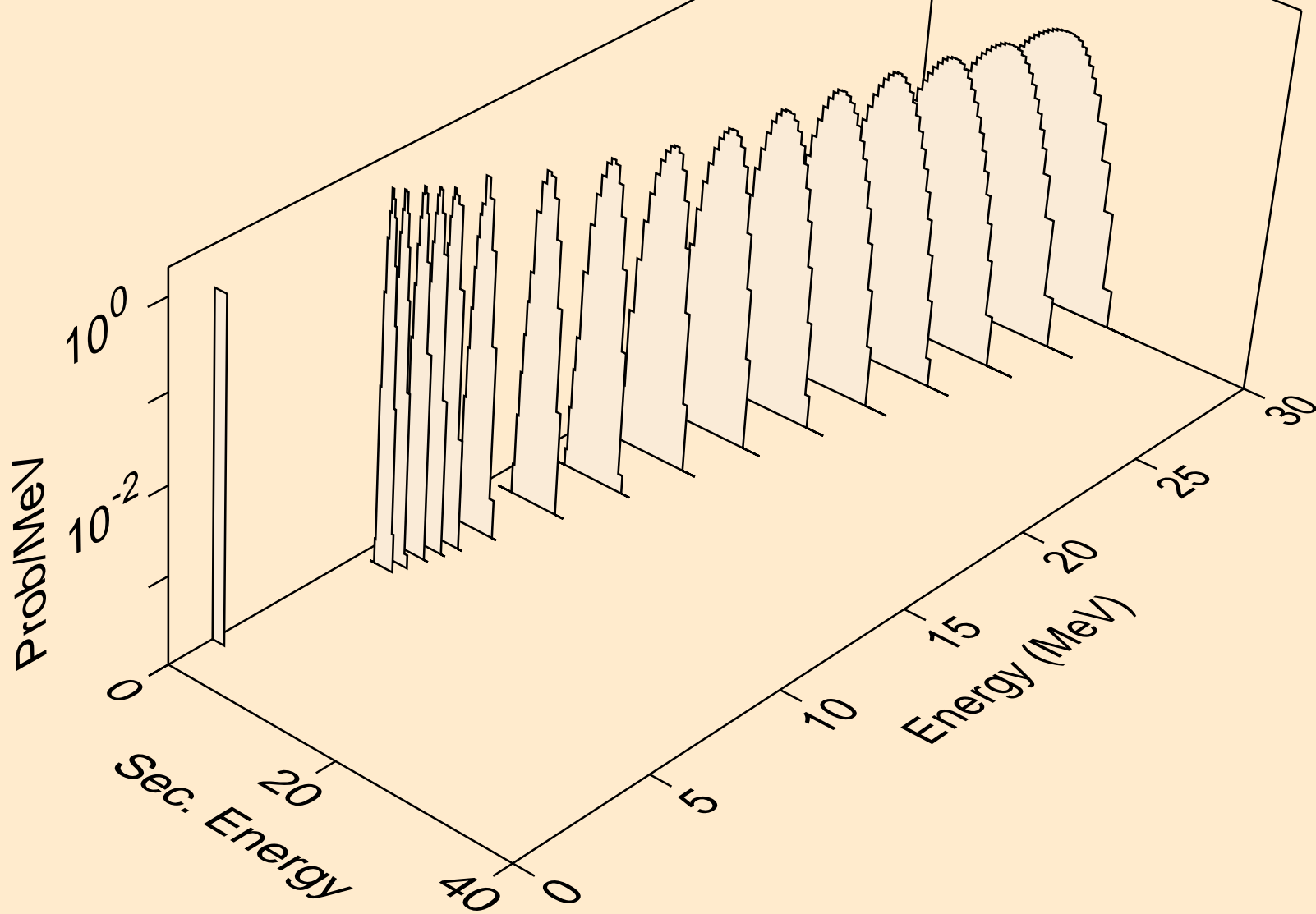
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deuterons from (n,d)



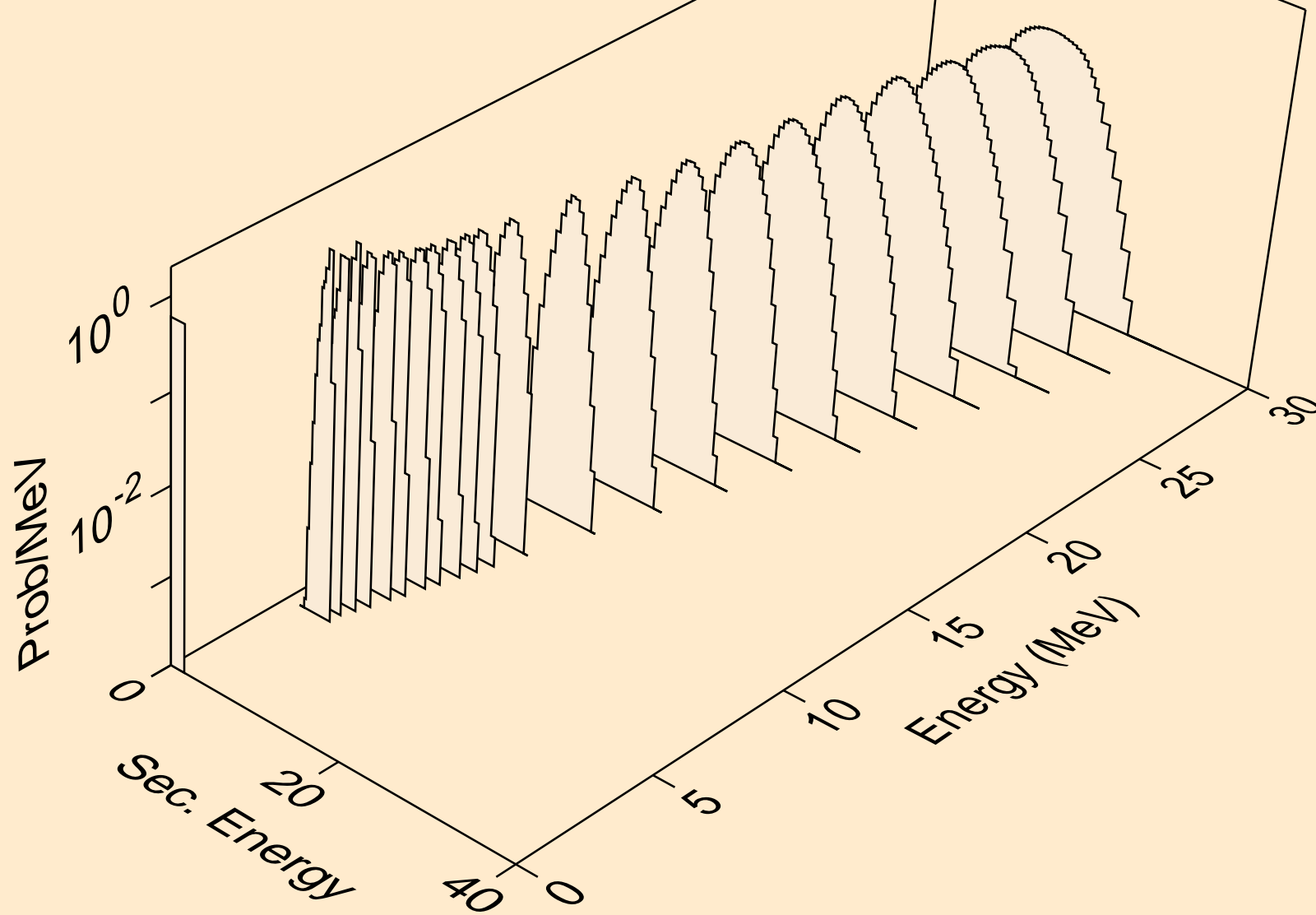
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deuterons from (n,d2a)



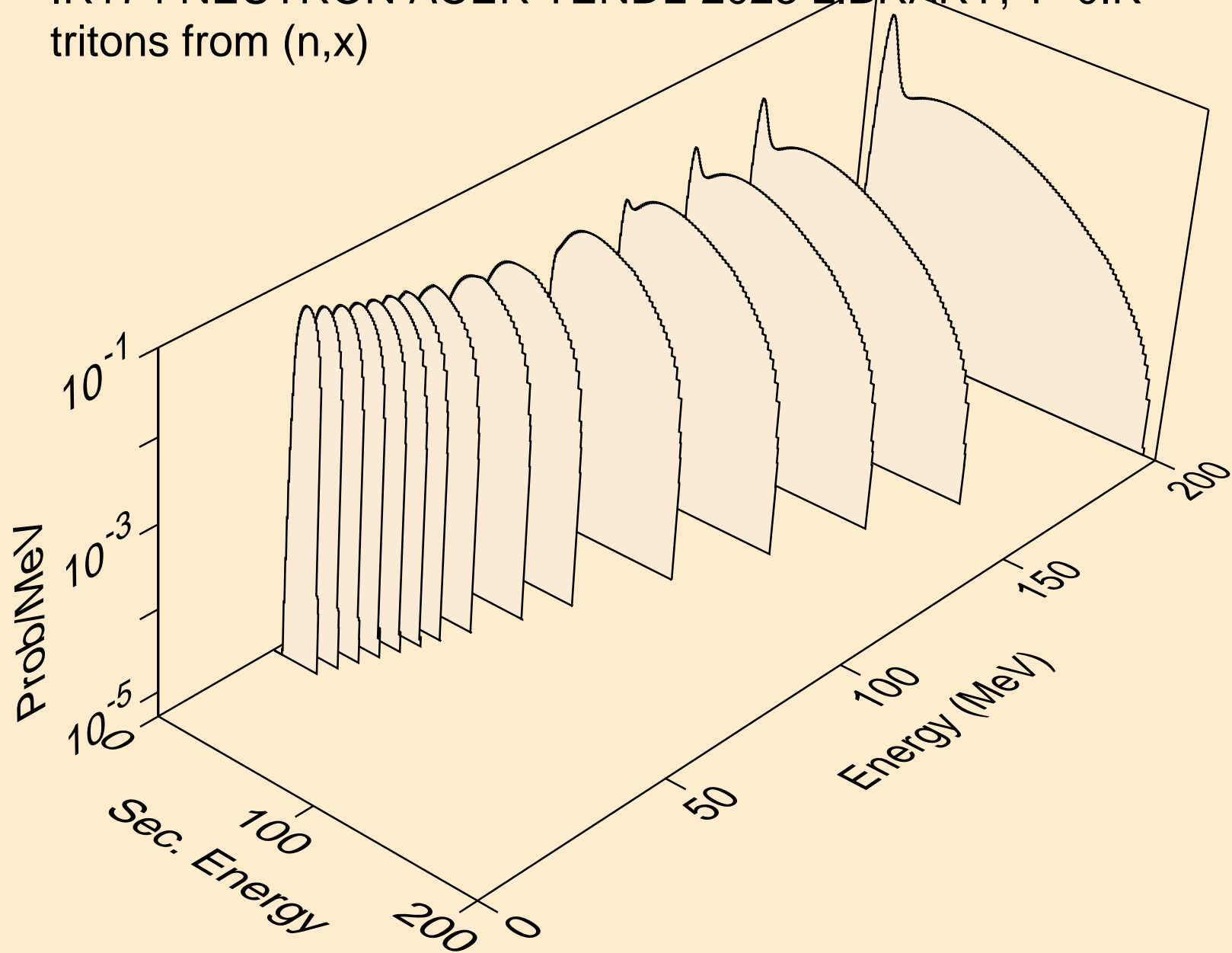
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deuterons from (n,pd)



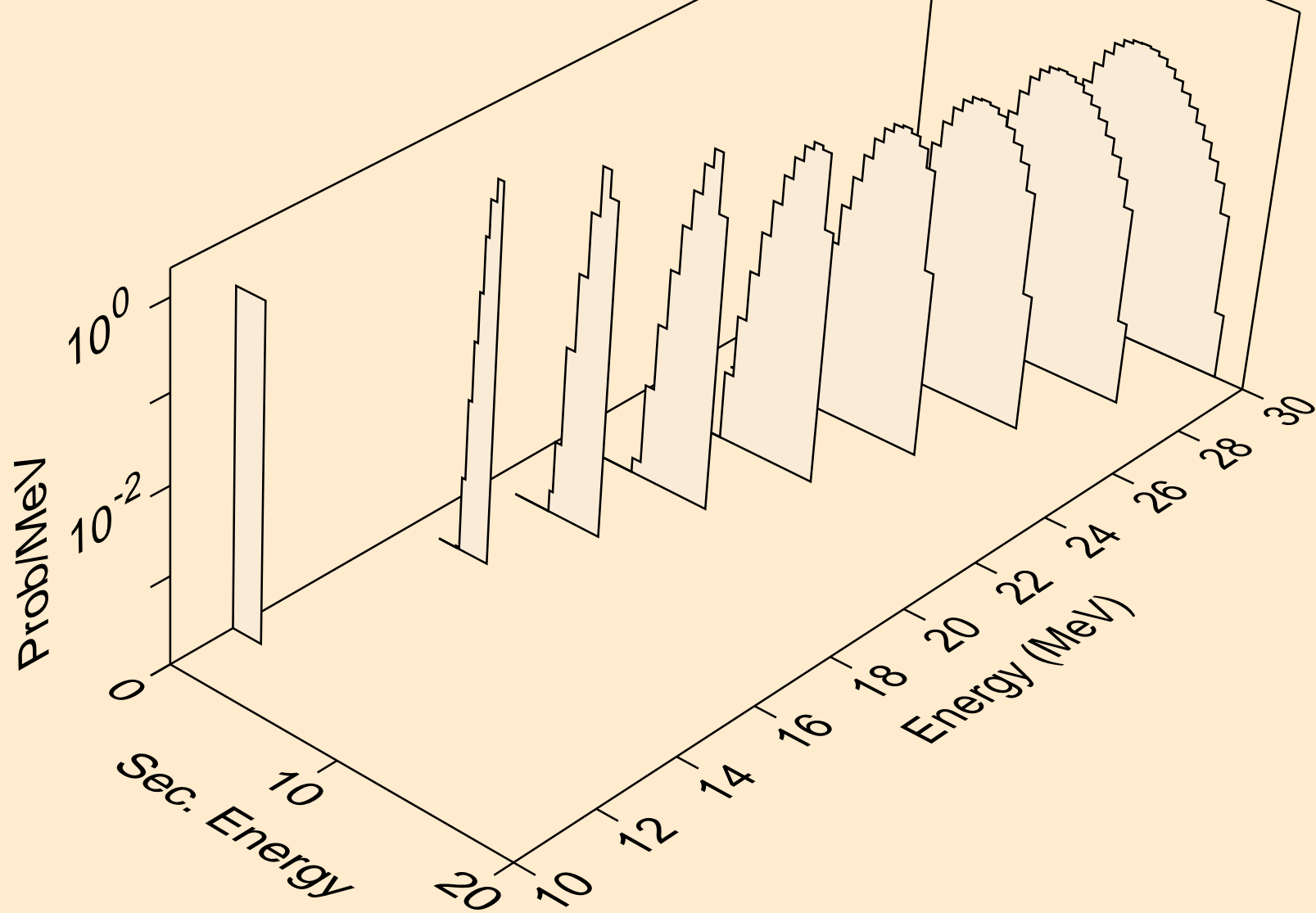
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deuterons from (n,da)



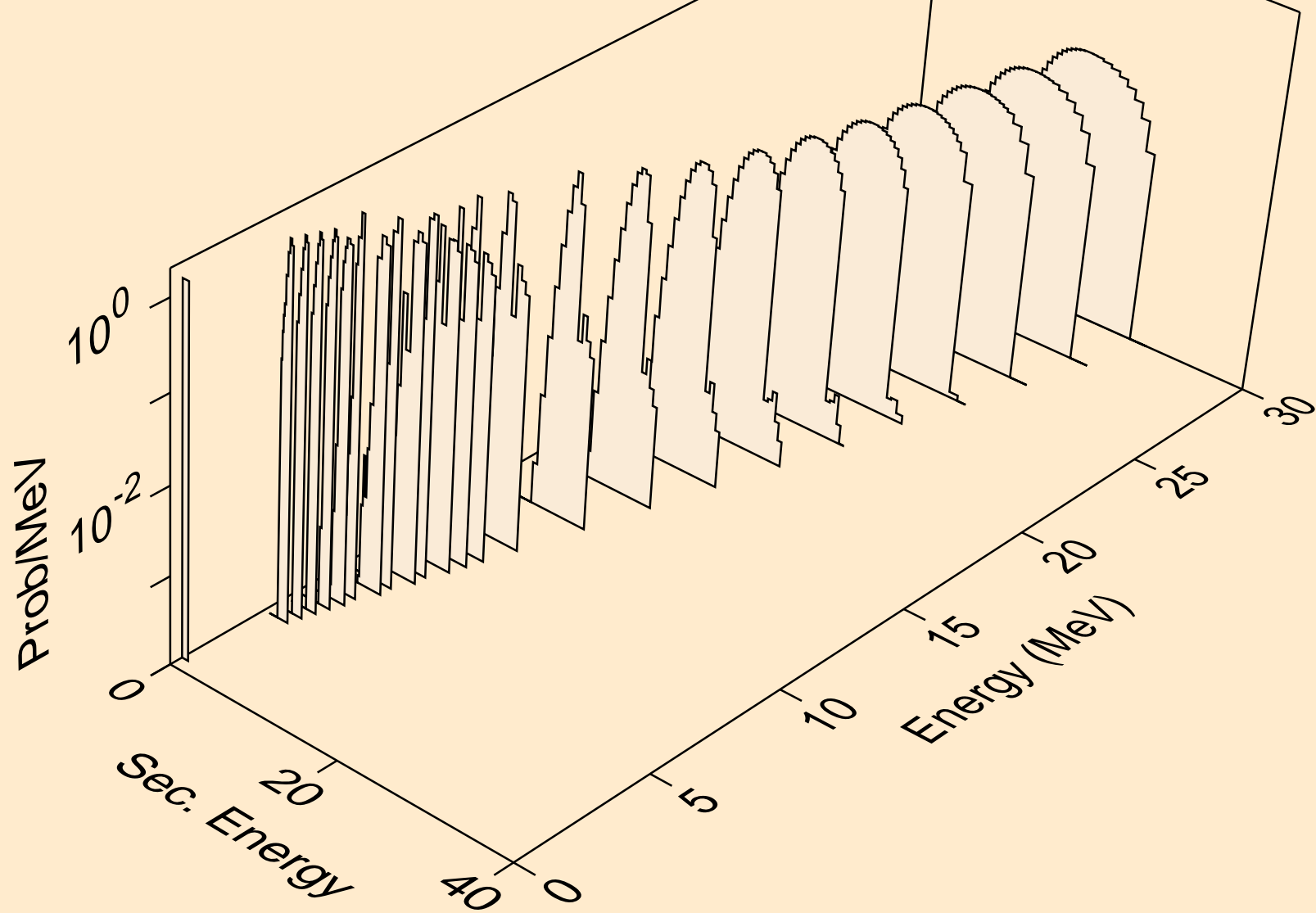
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)



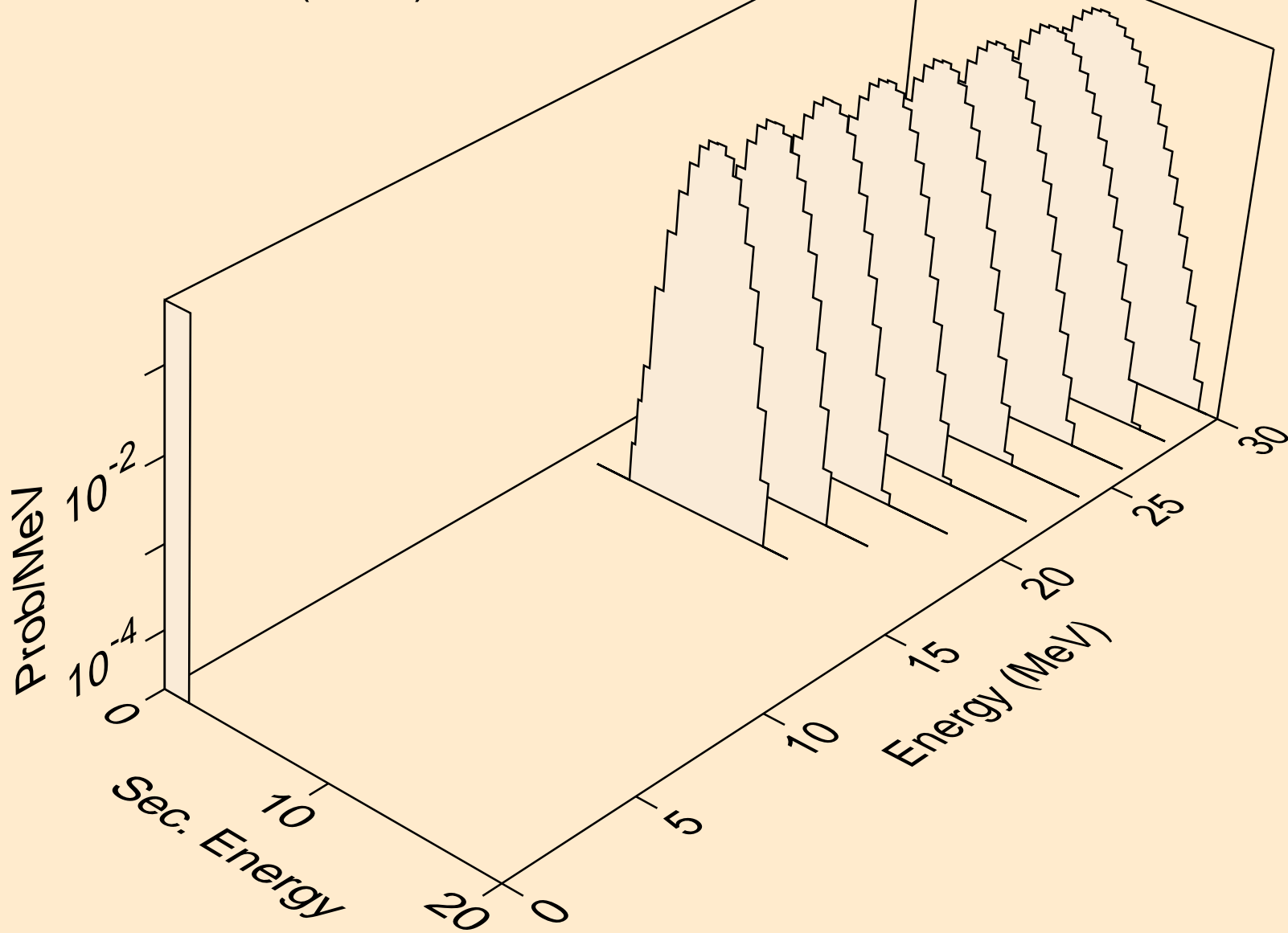
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t



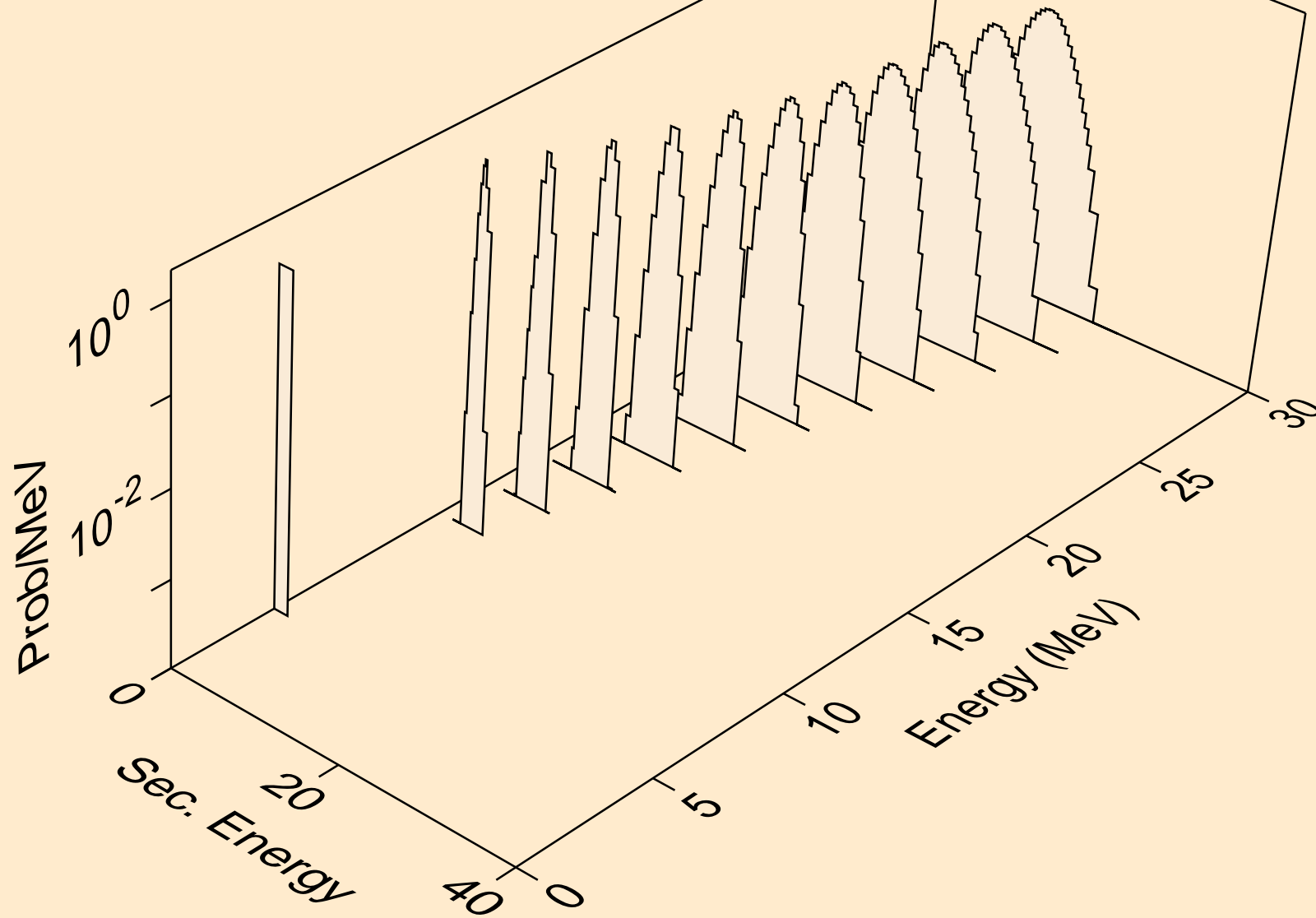
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tritons from (n,t)



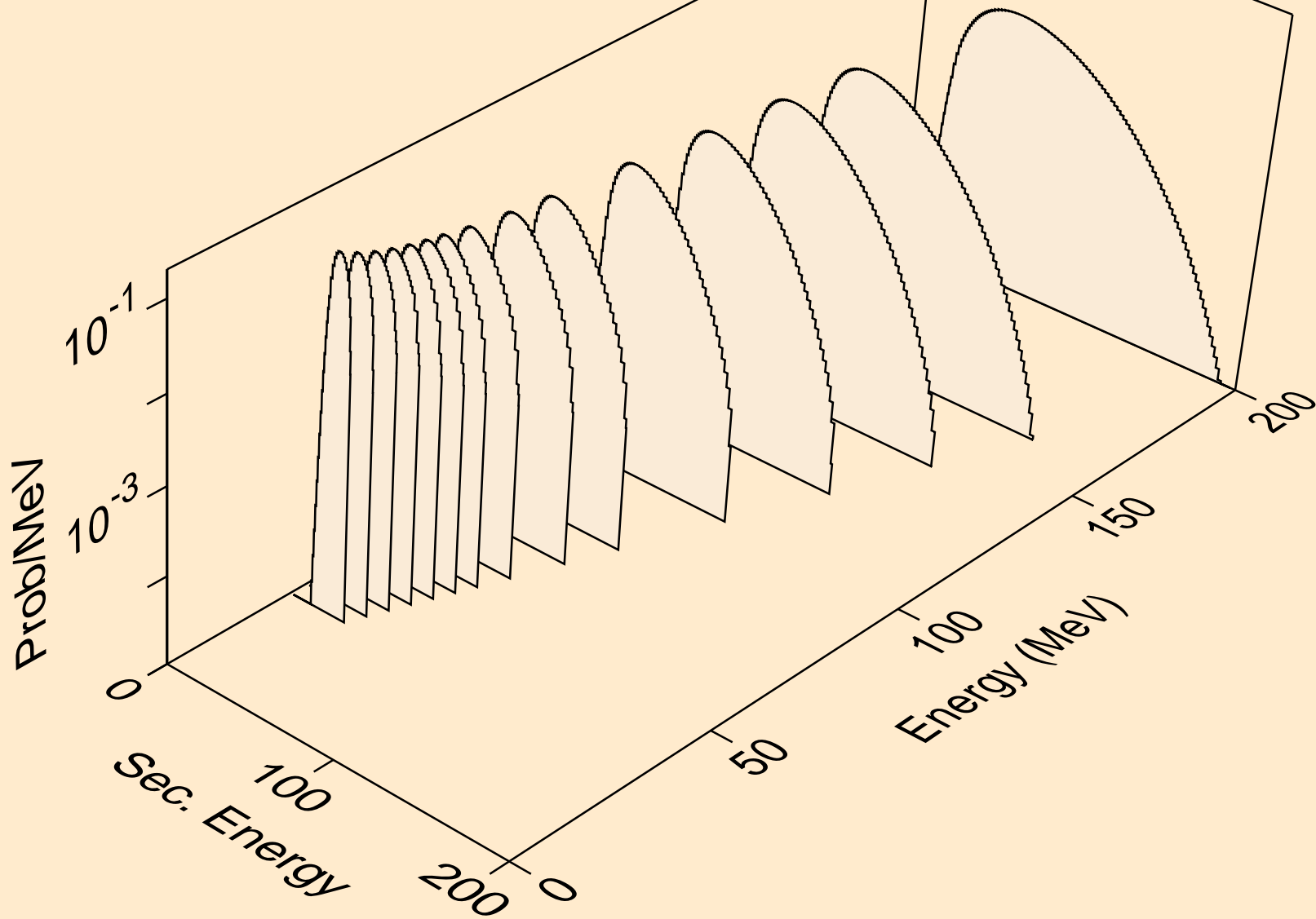
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
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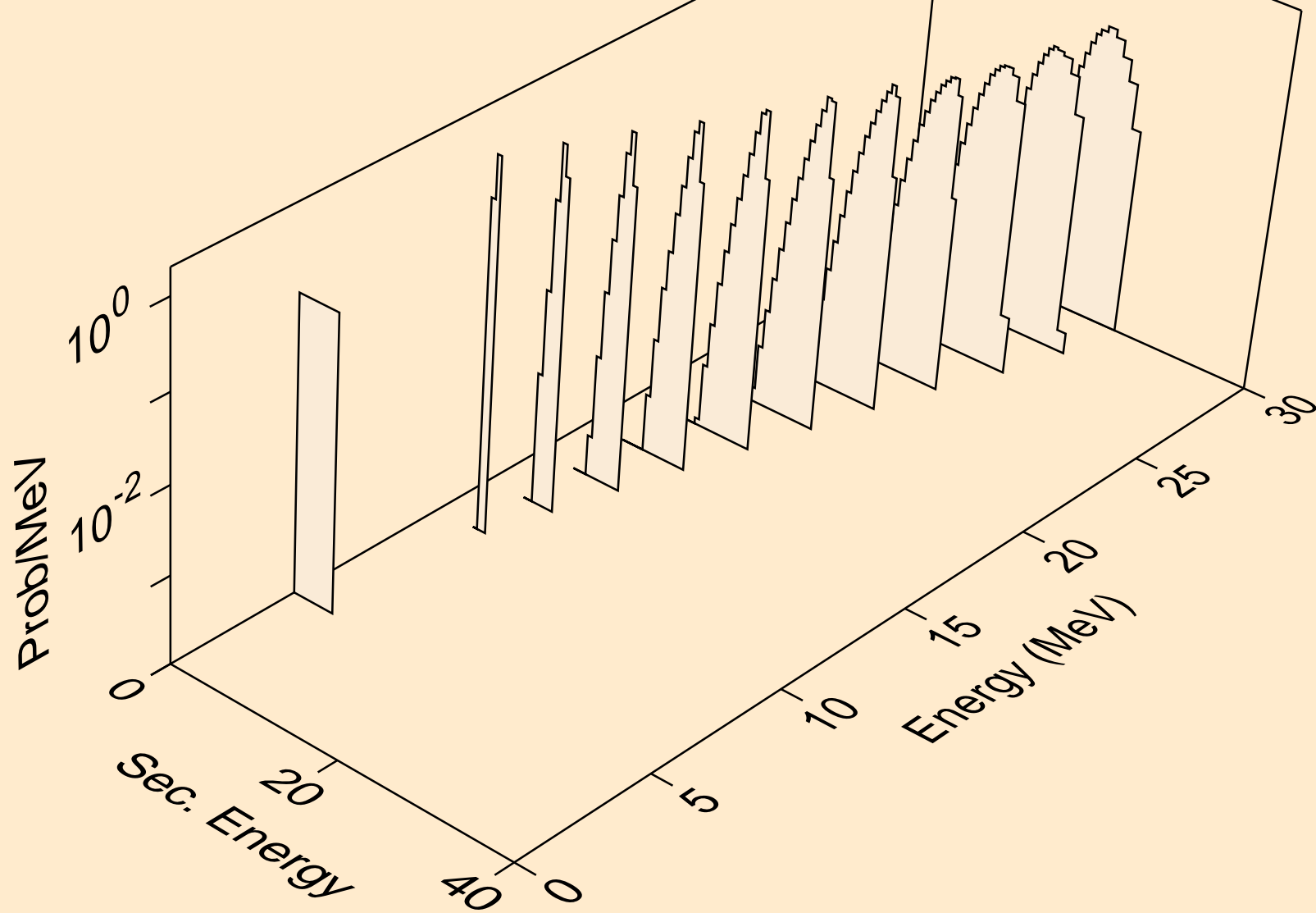
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,pt)



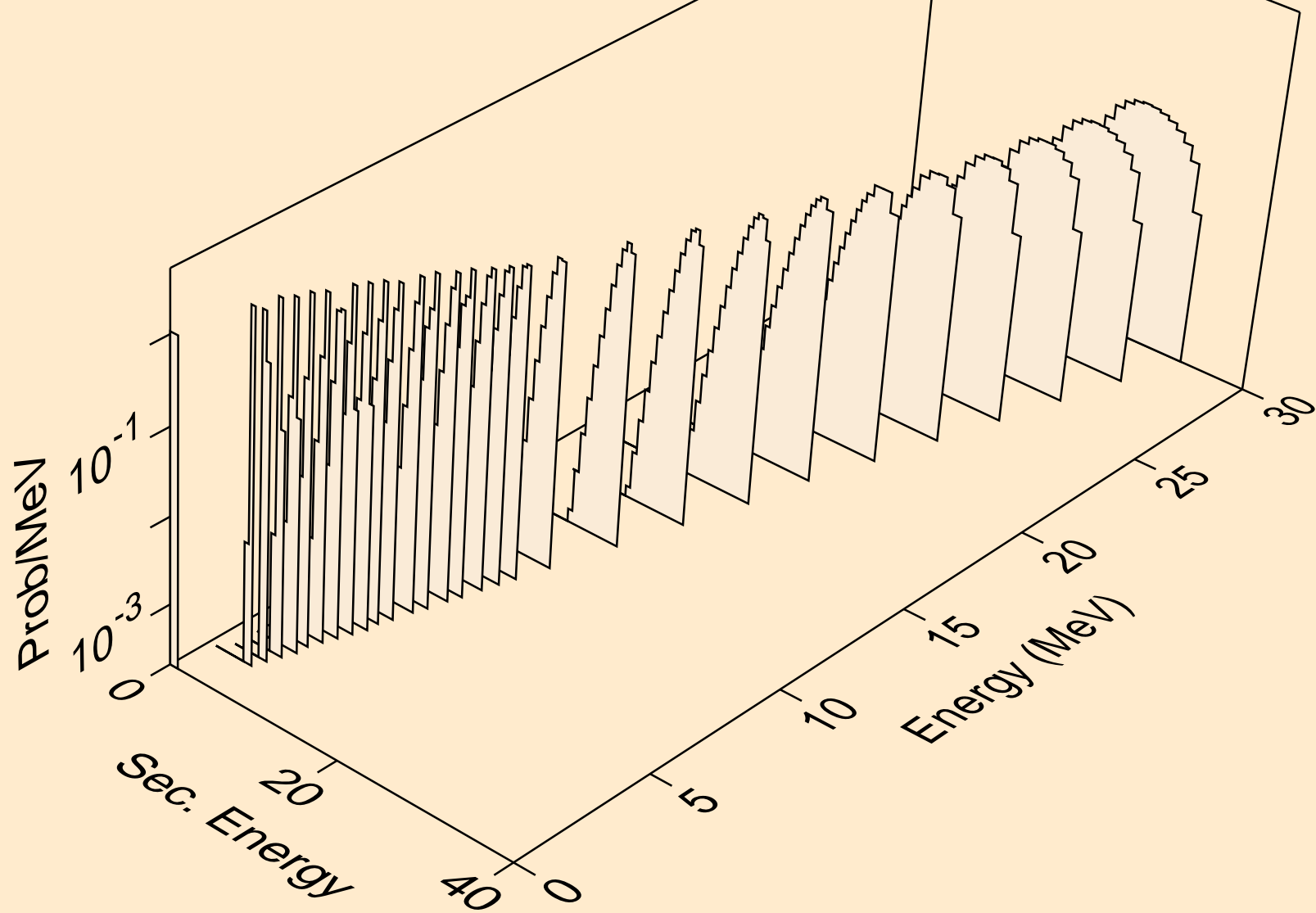
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
he3s from (n,x)



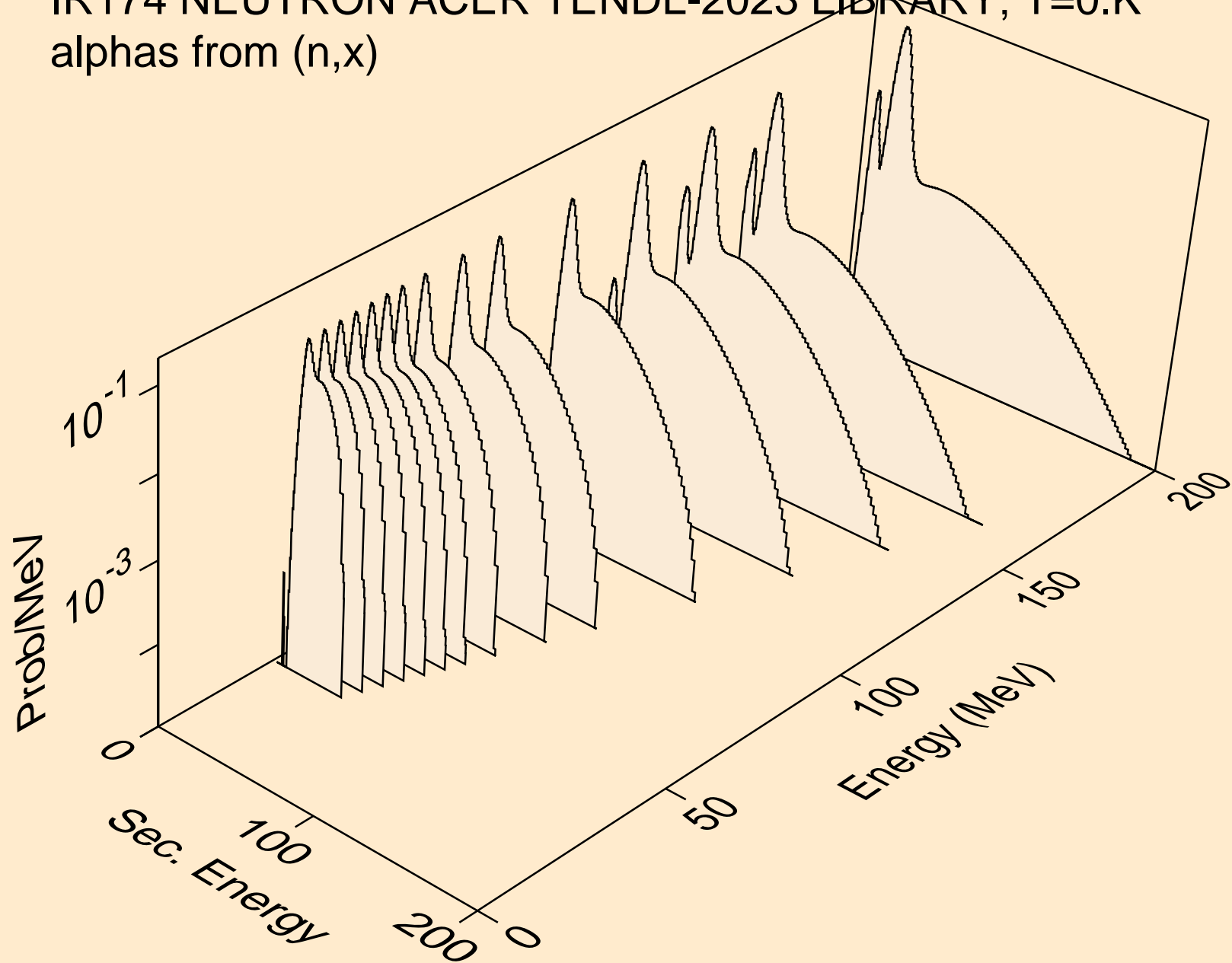
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he3s from (n,n\*)he3



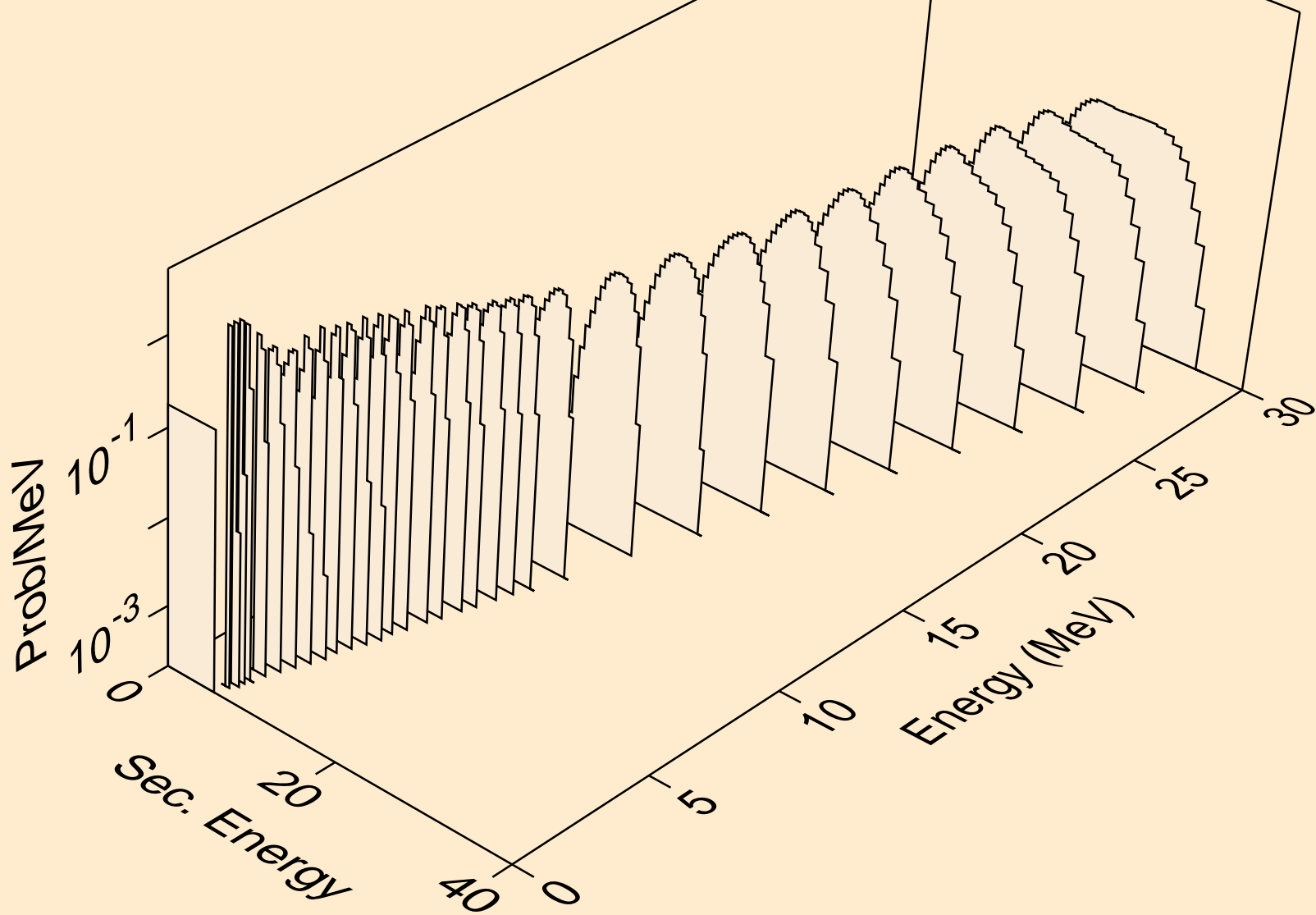
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he3s from (n,he3)



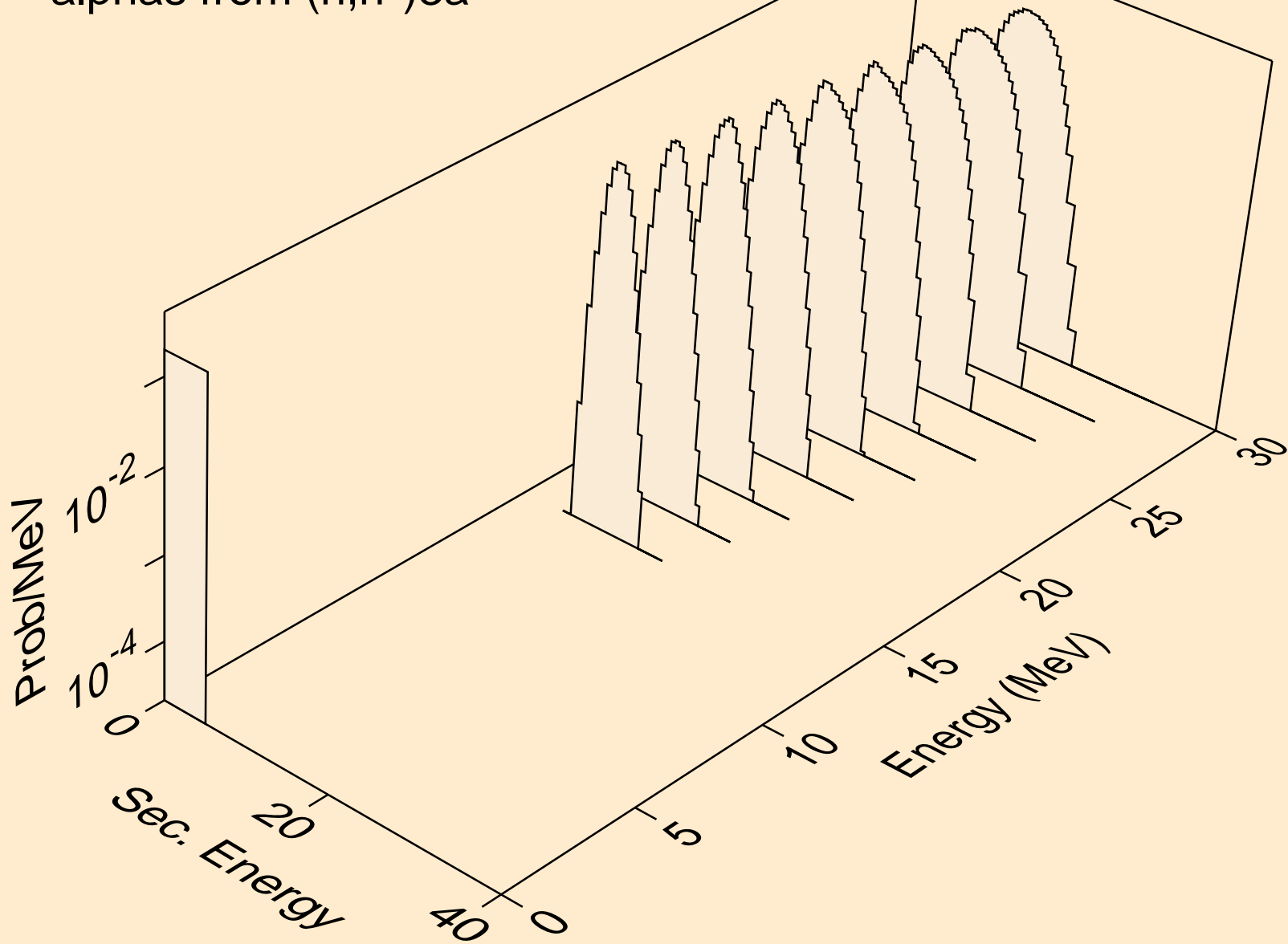
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



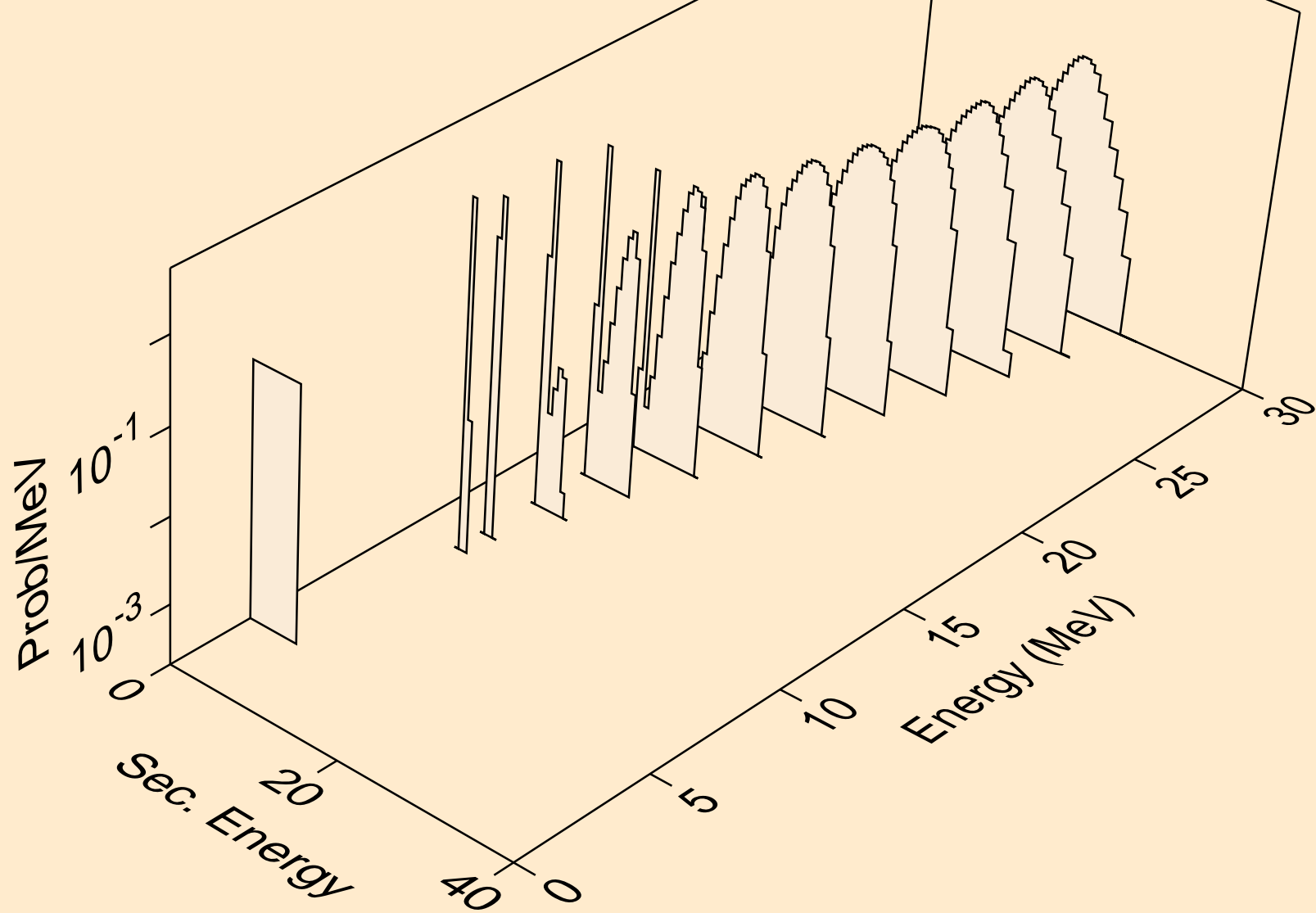
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a



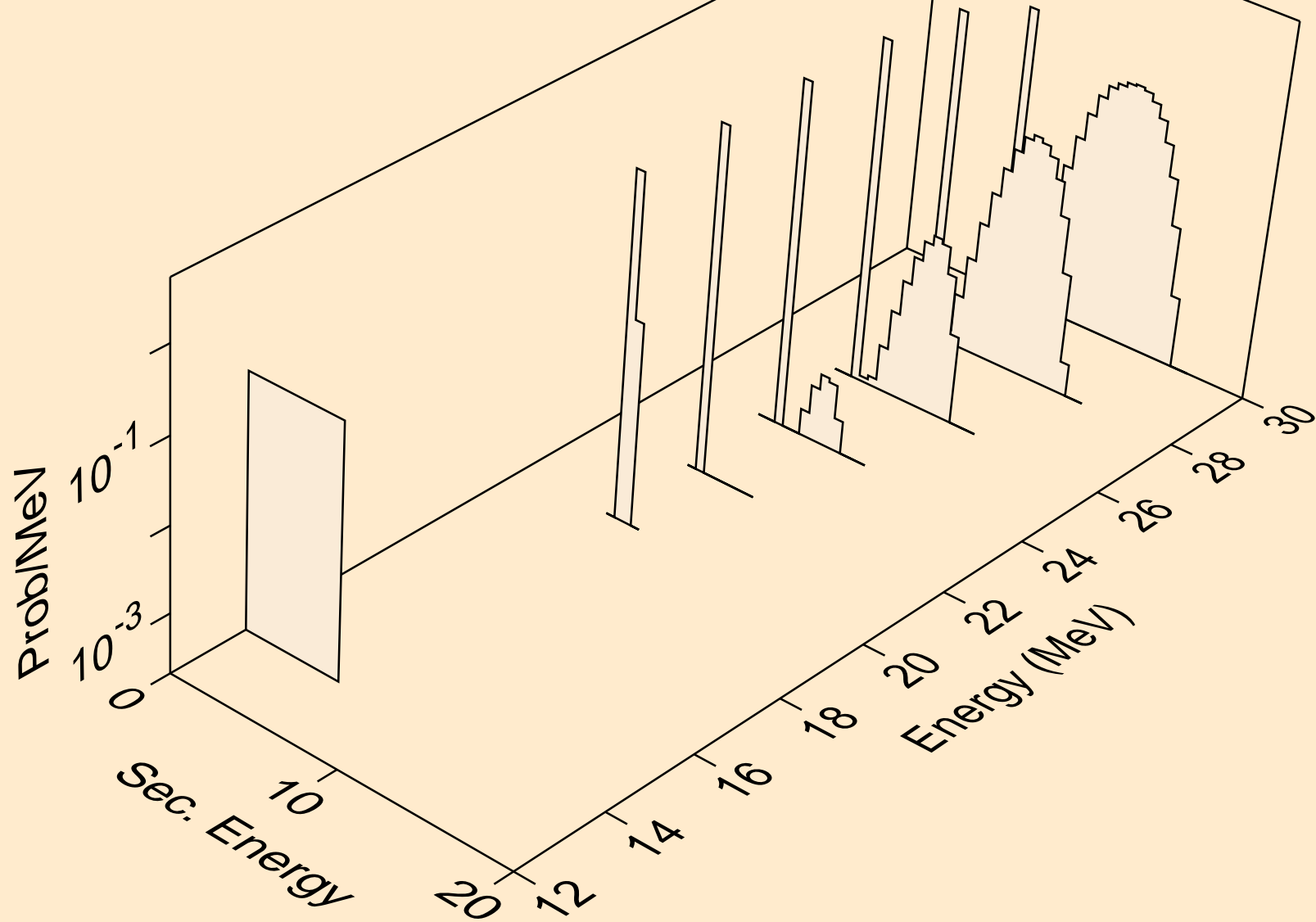
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)3a



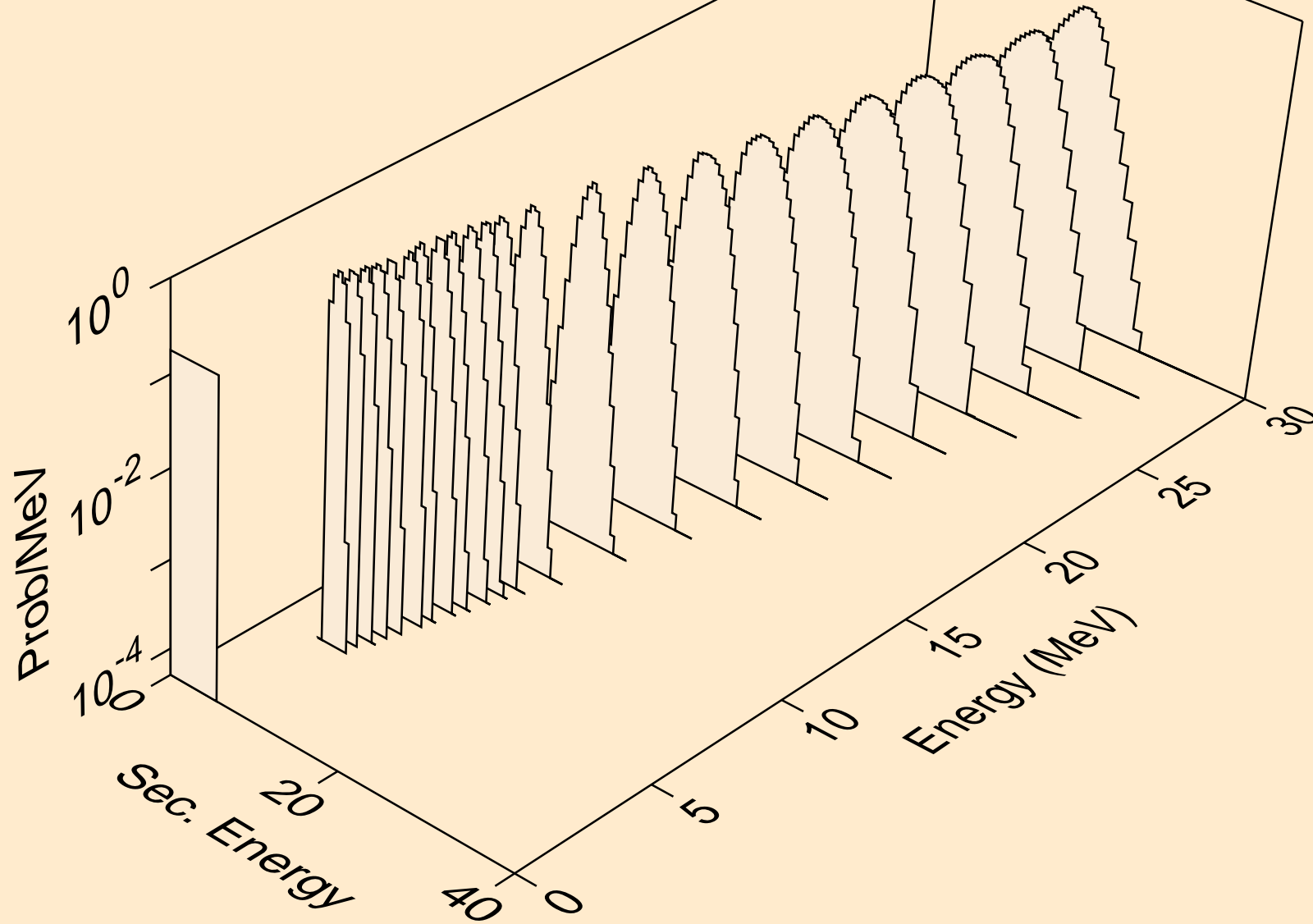
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)a



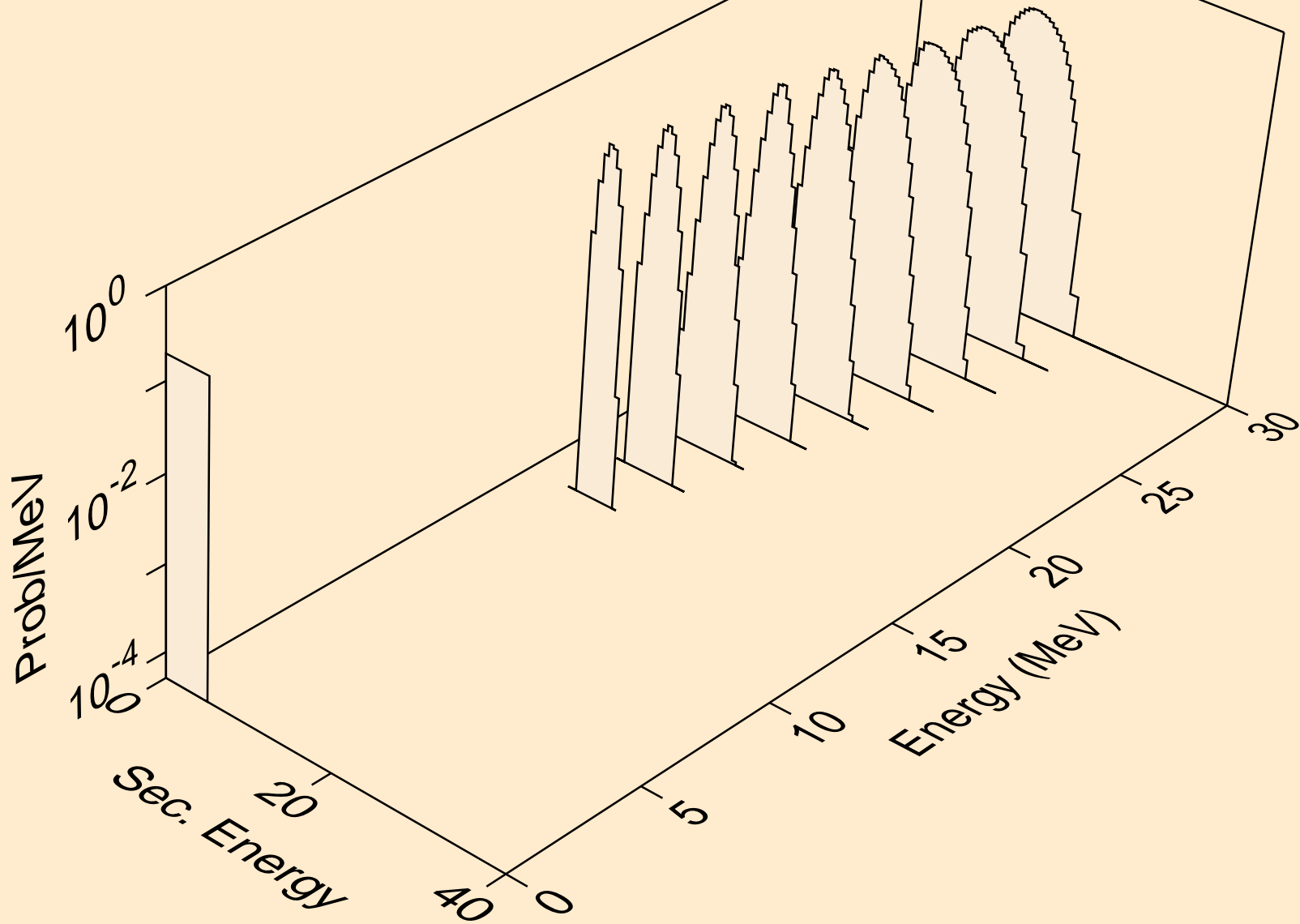
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3n)a



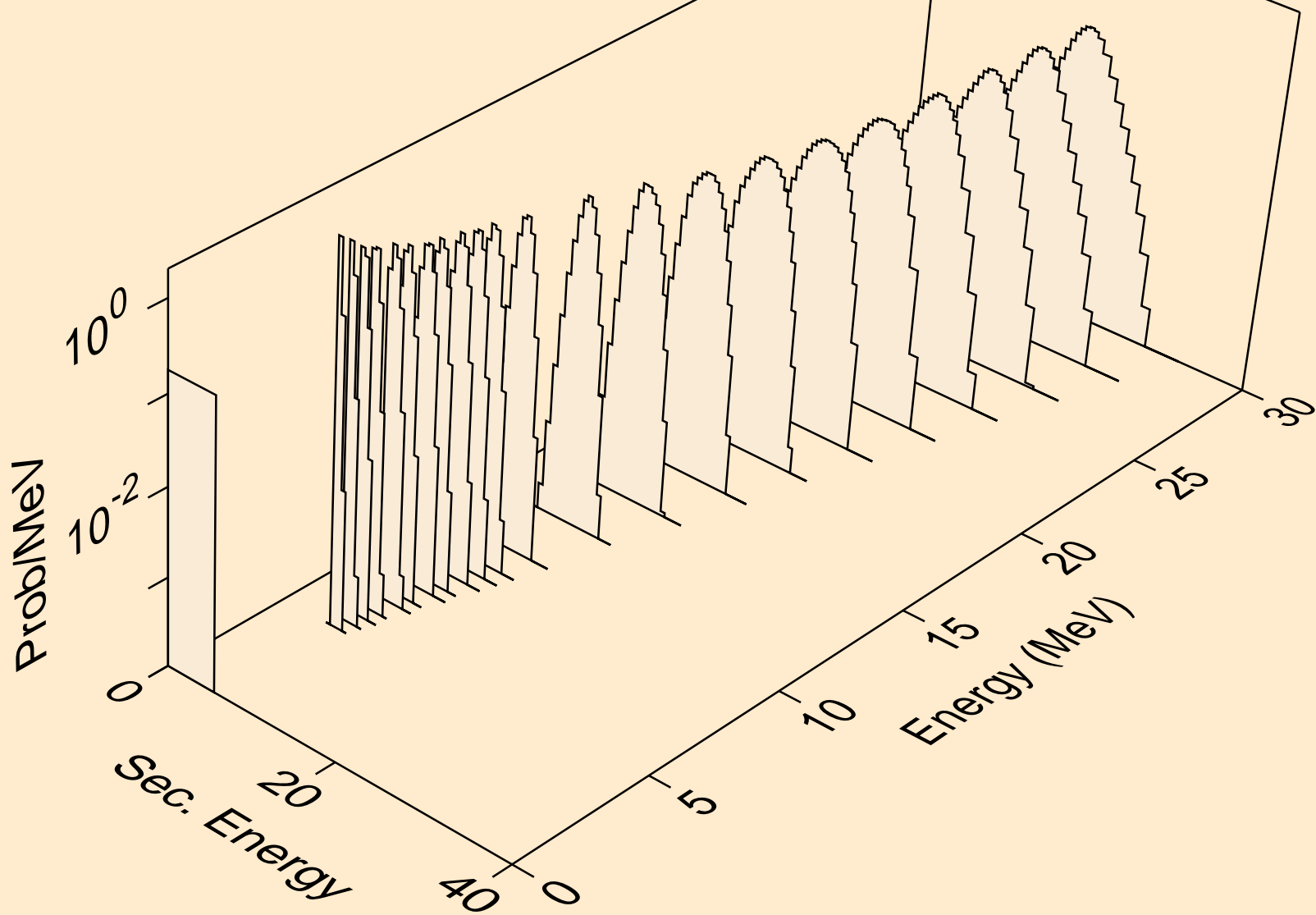
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)2a



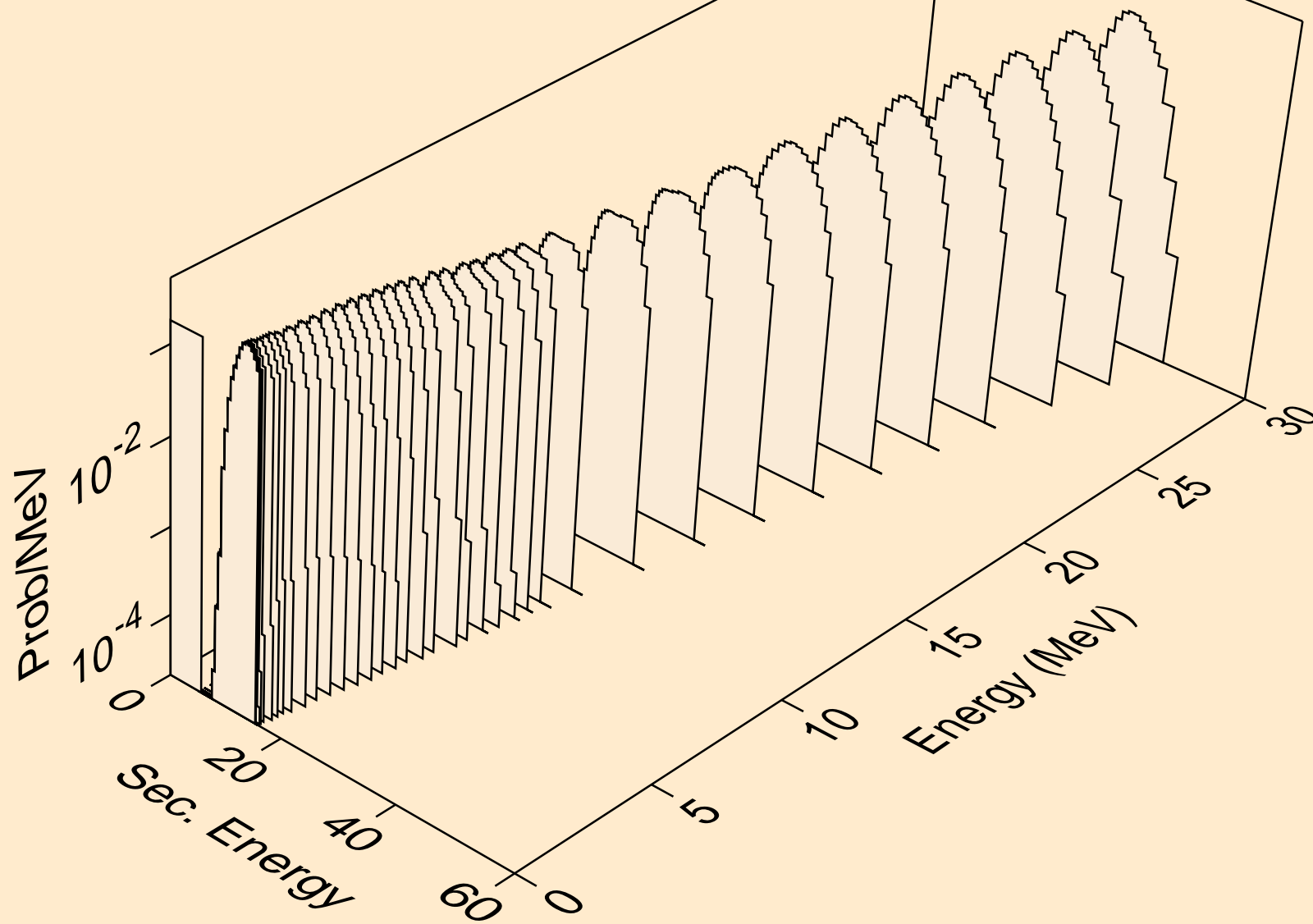
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2n)2a



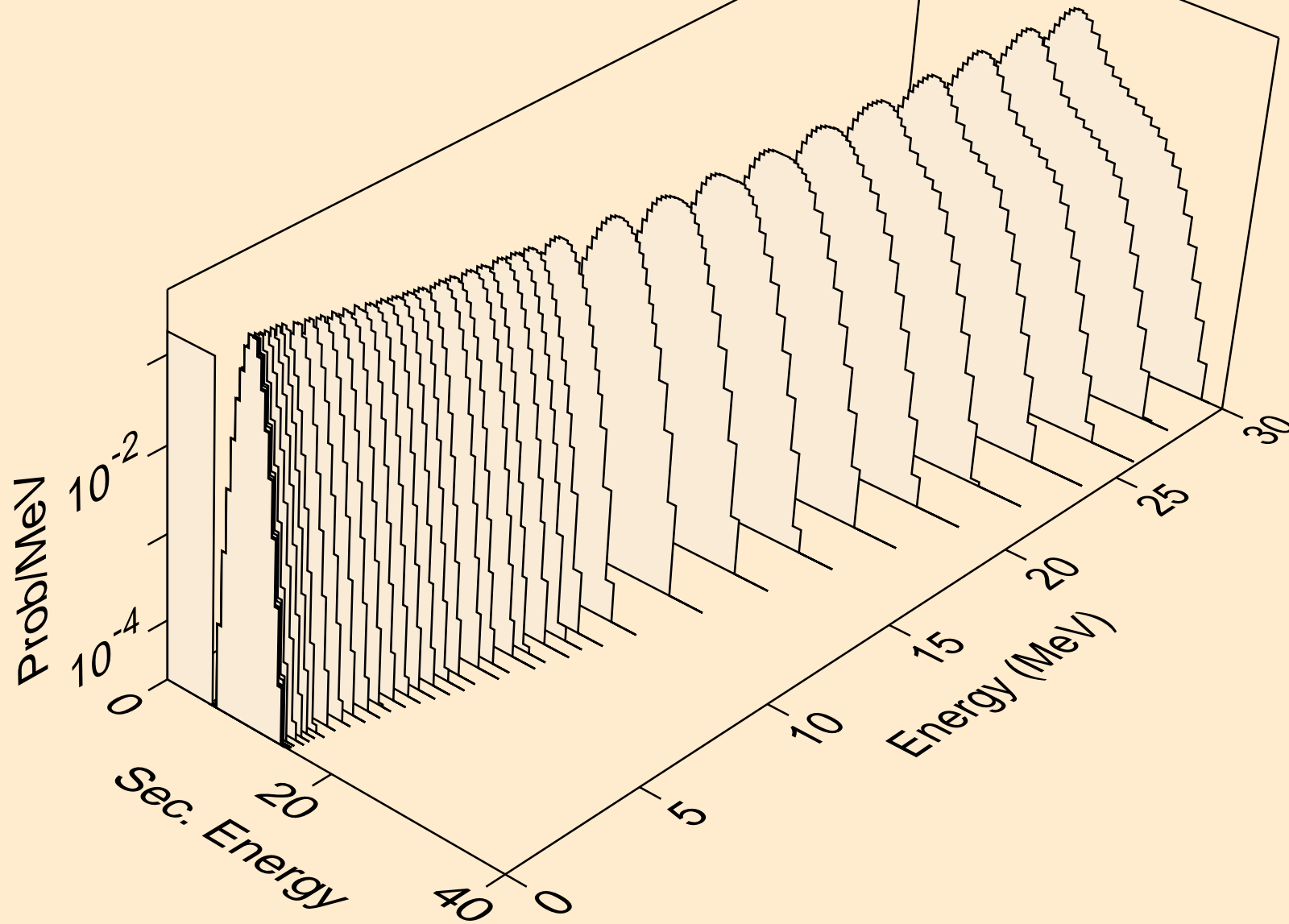
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,npa)



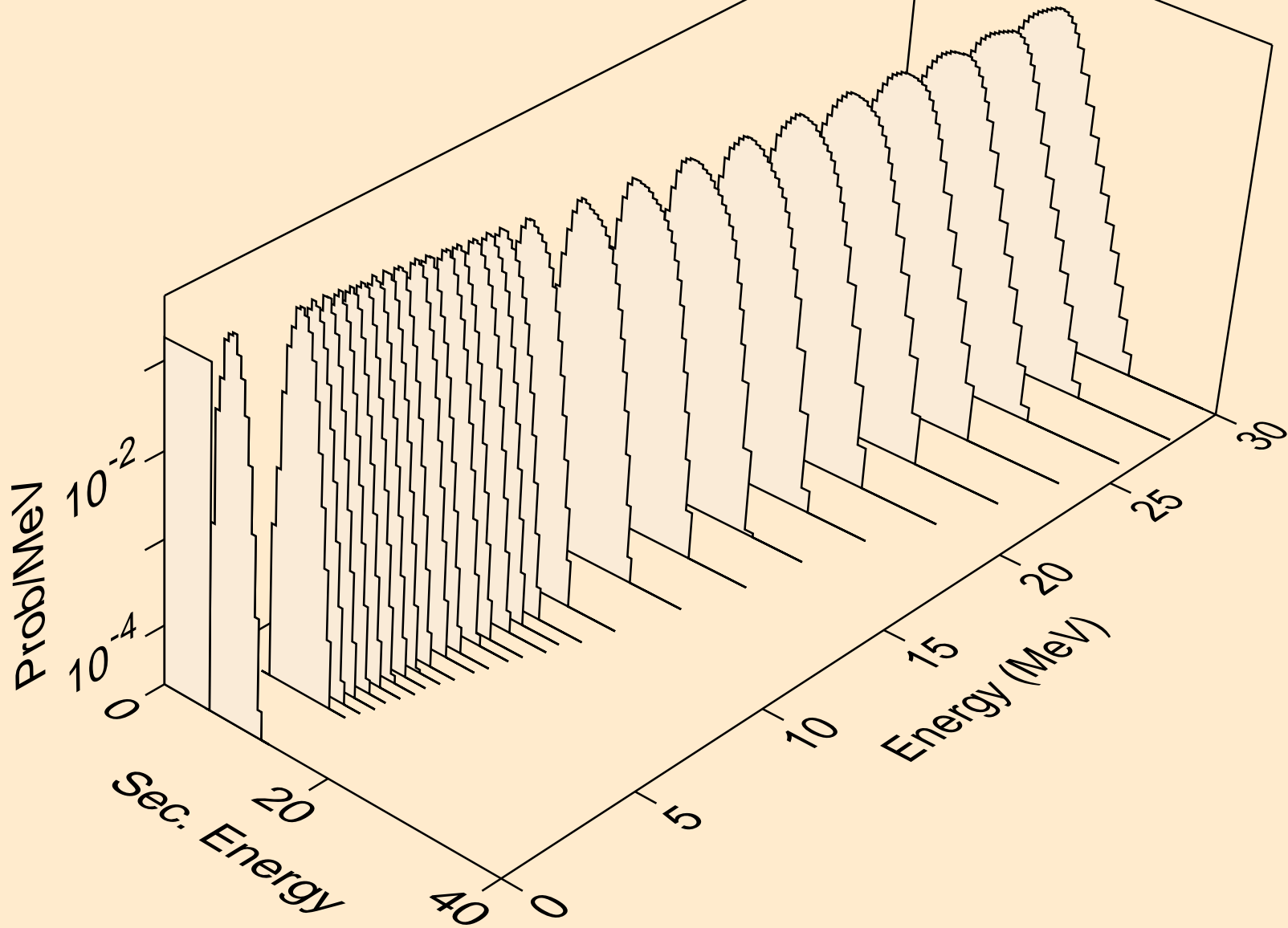
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



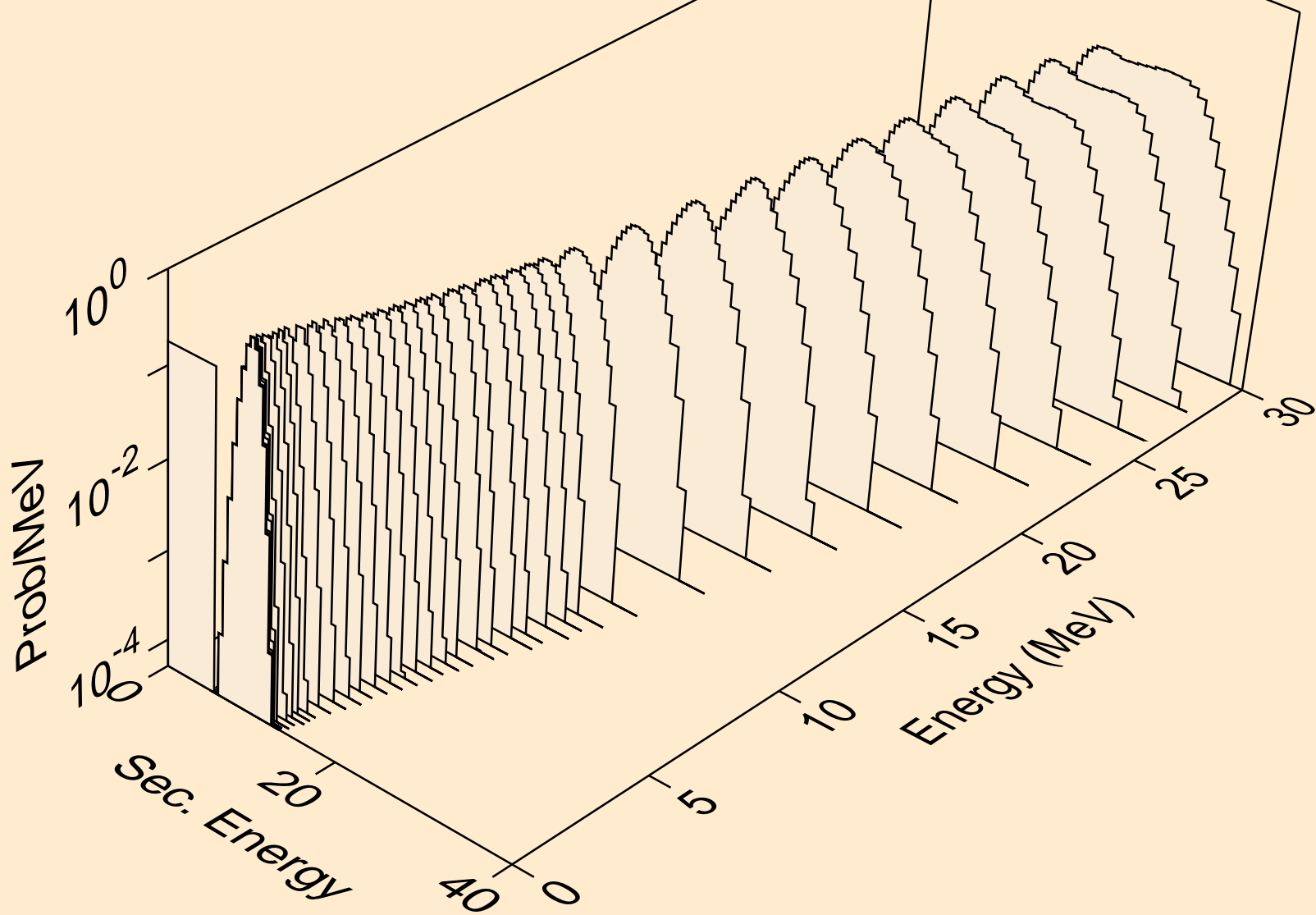
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



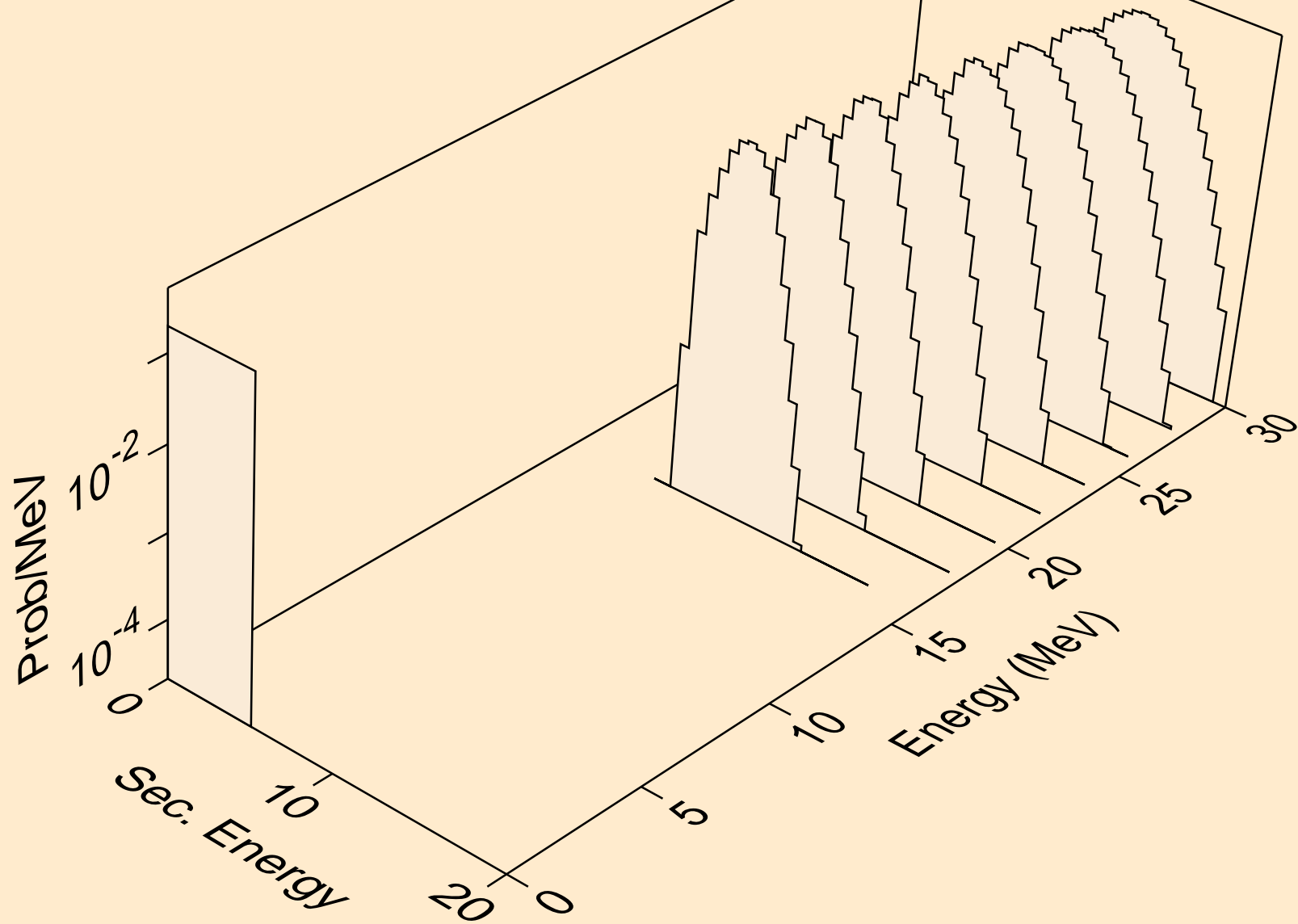
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,3a)



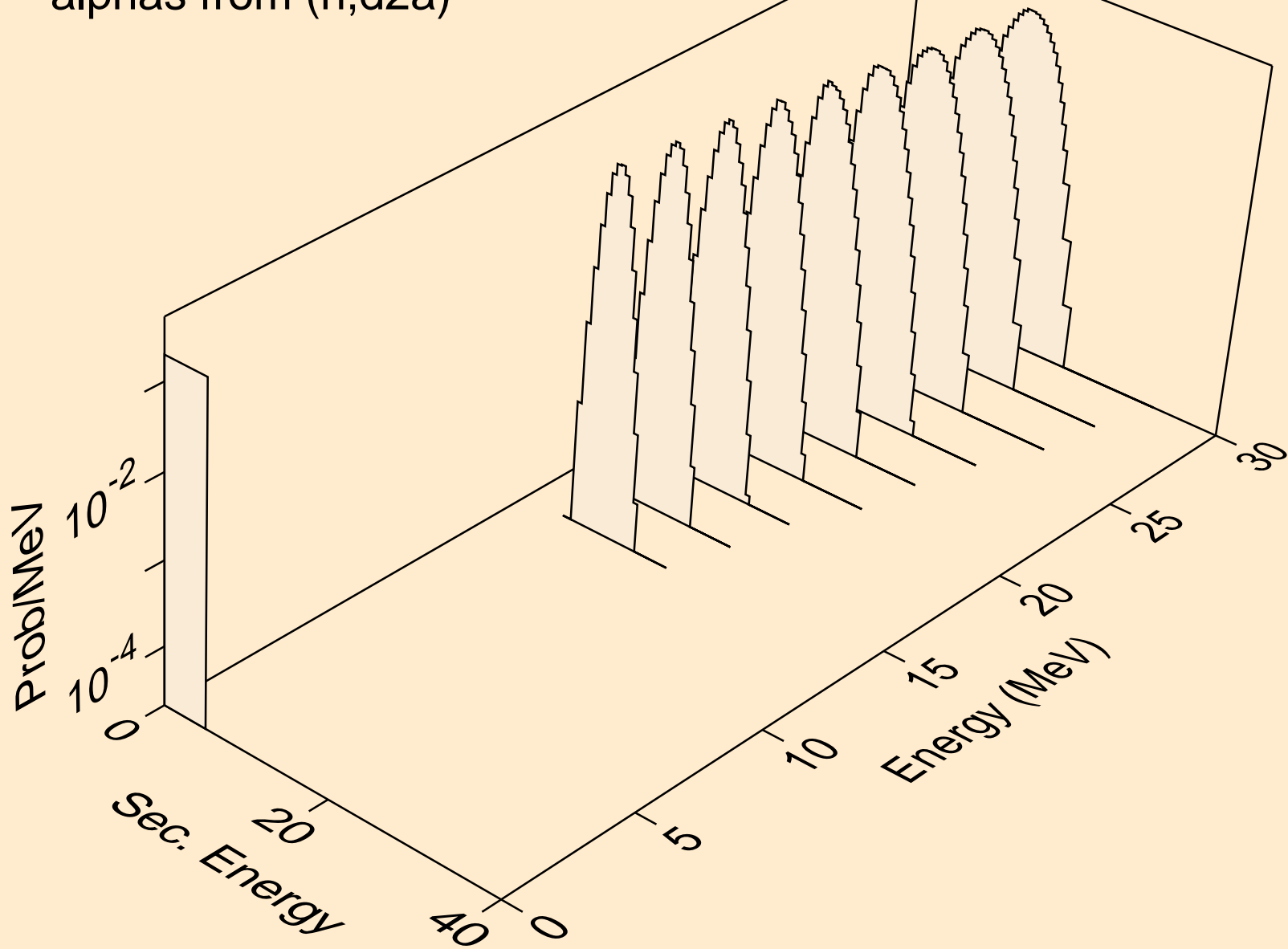
IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,t2a)



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,d2a)



IR174 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

