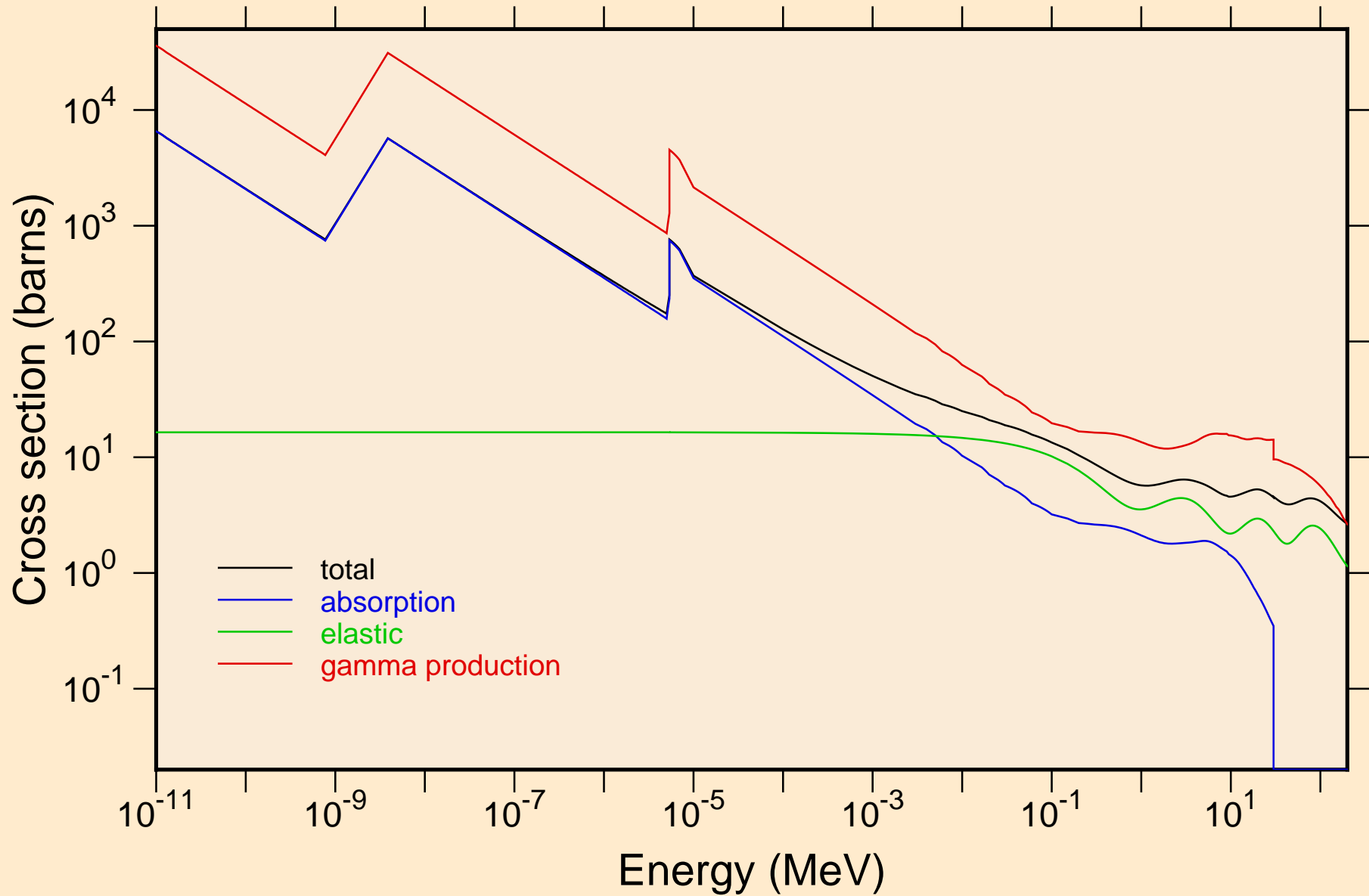


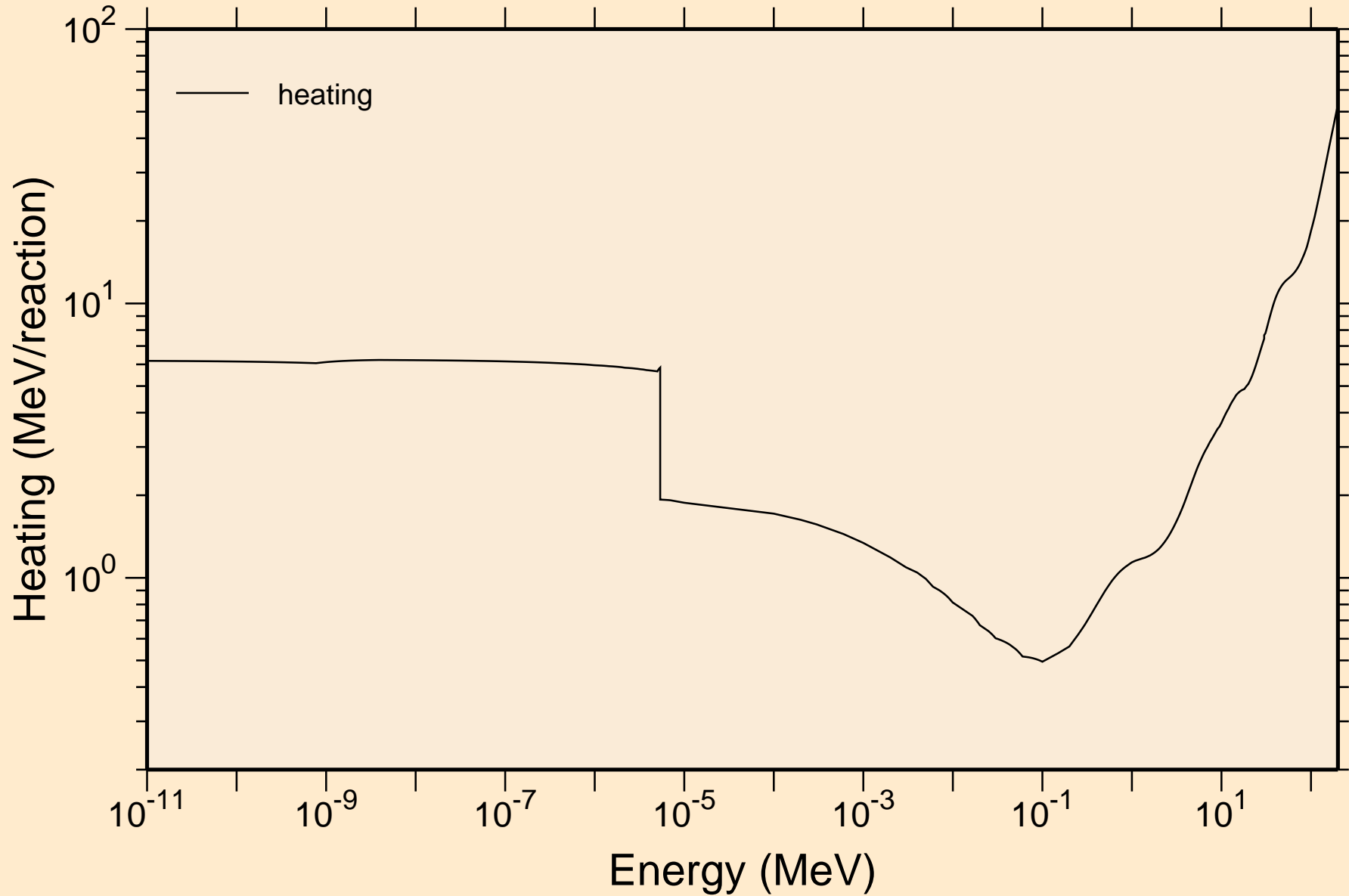
# IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Principal cross sections

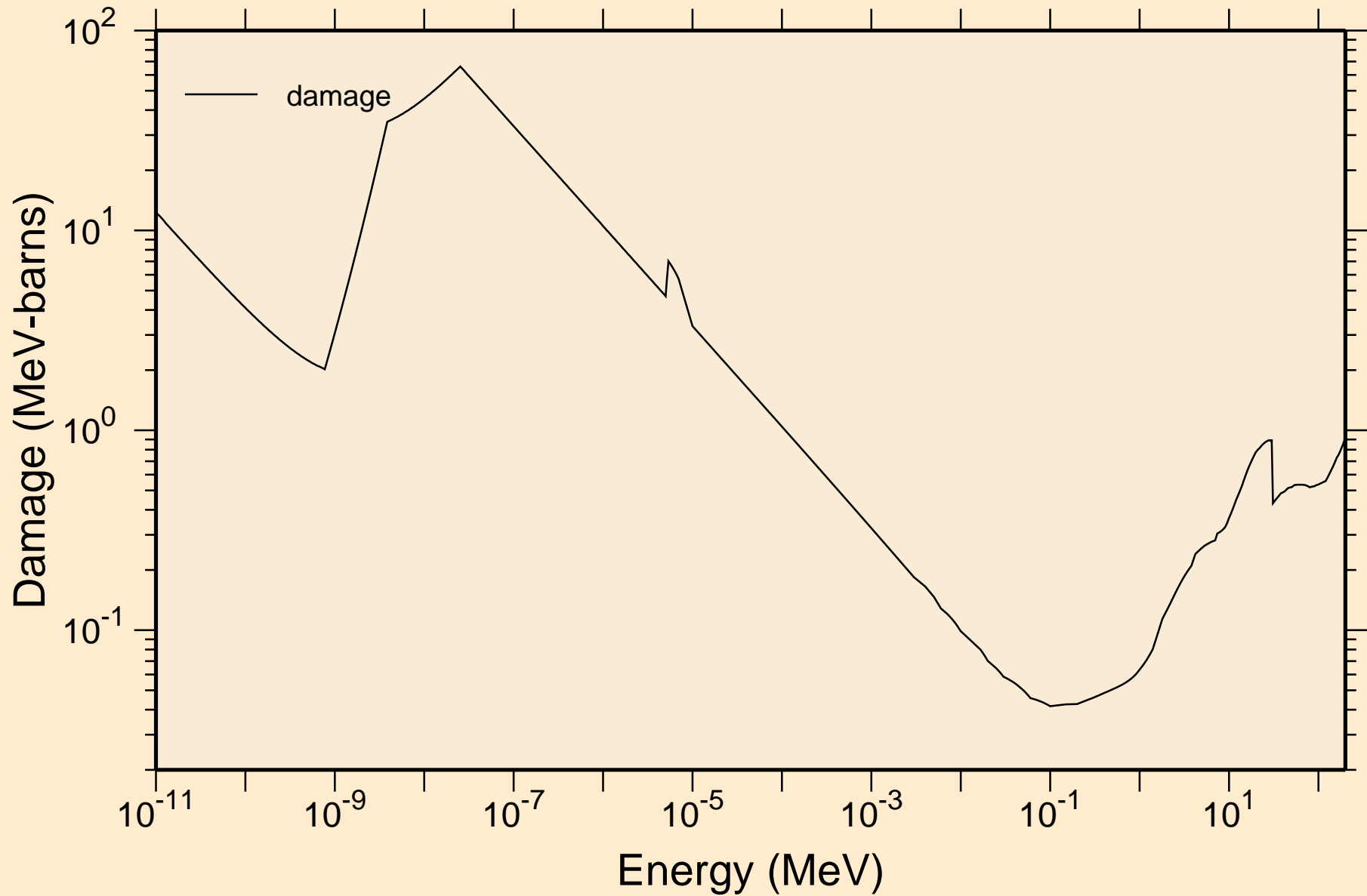


# IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

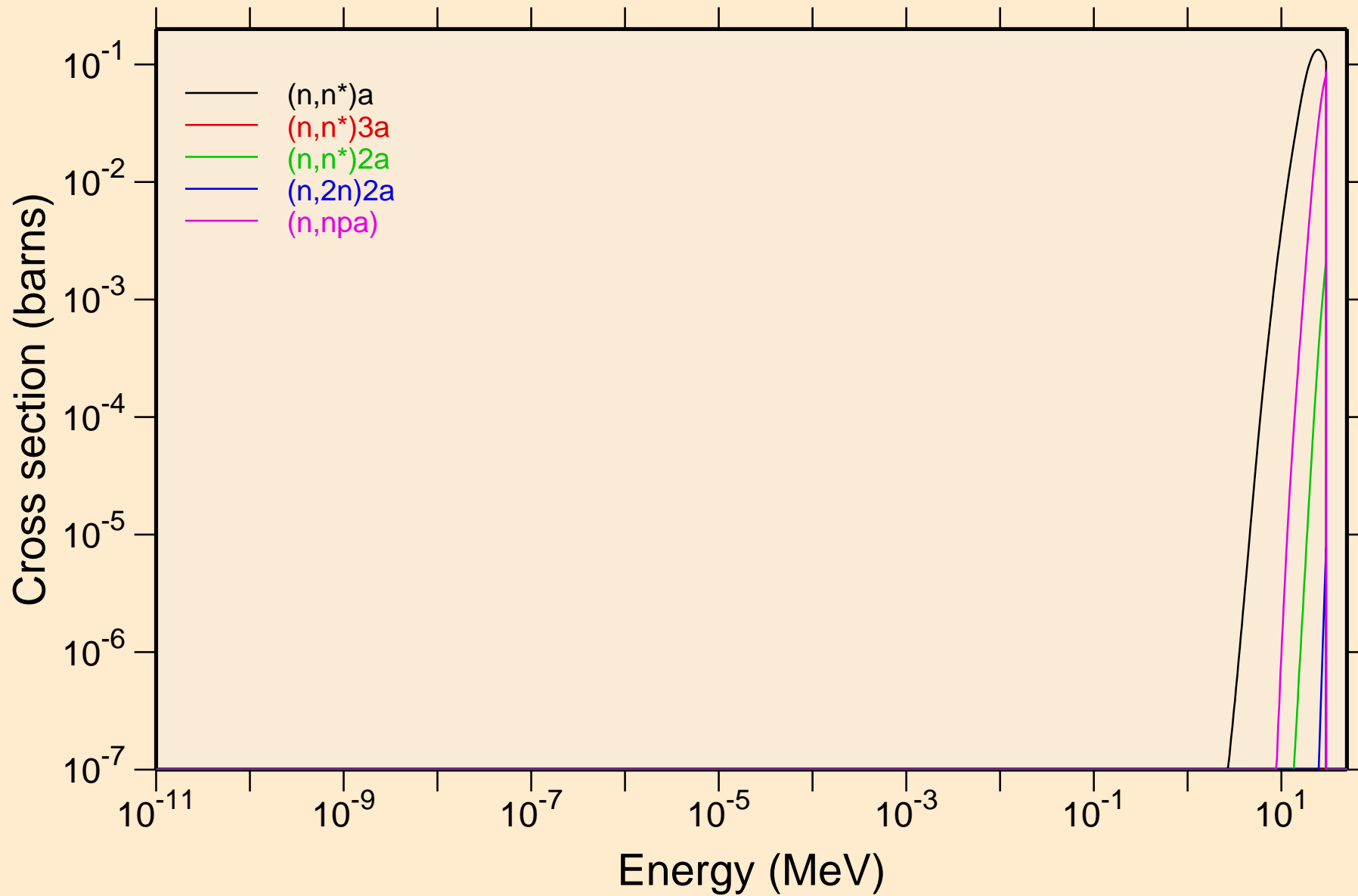
## Heating



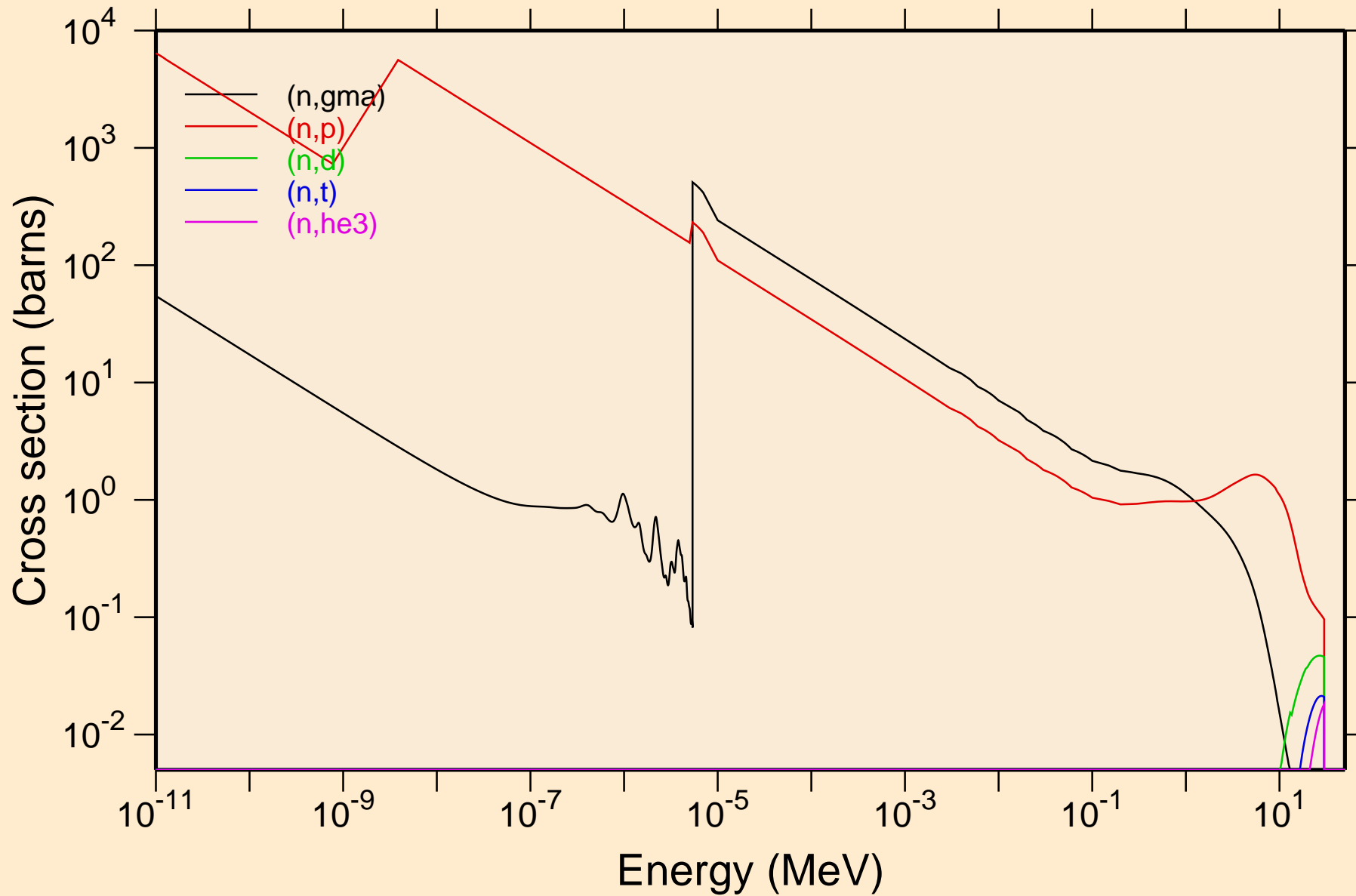
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Damage



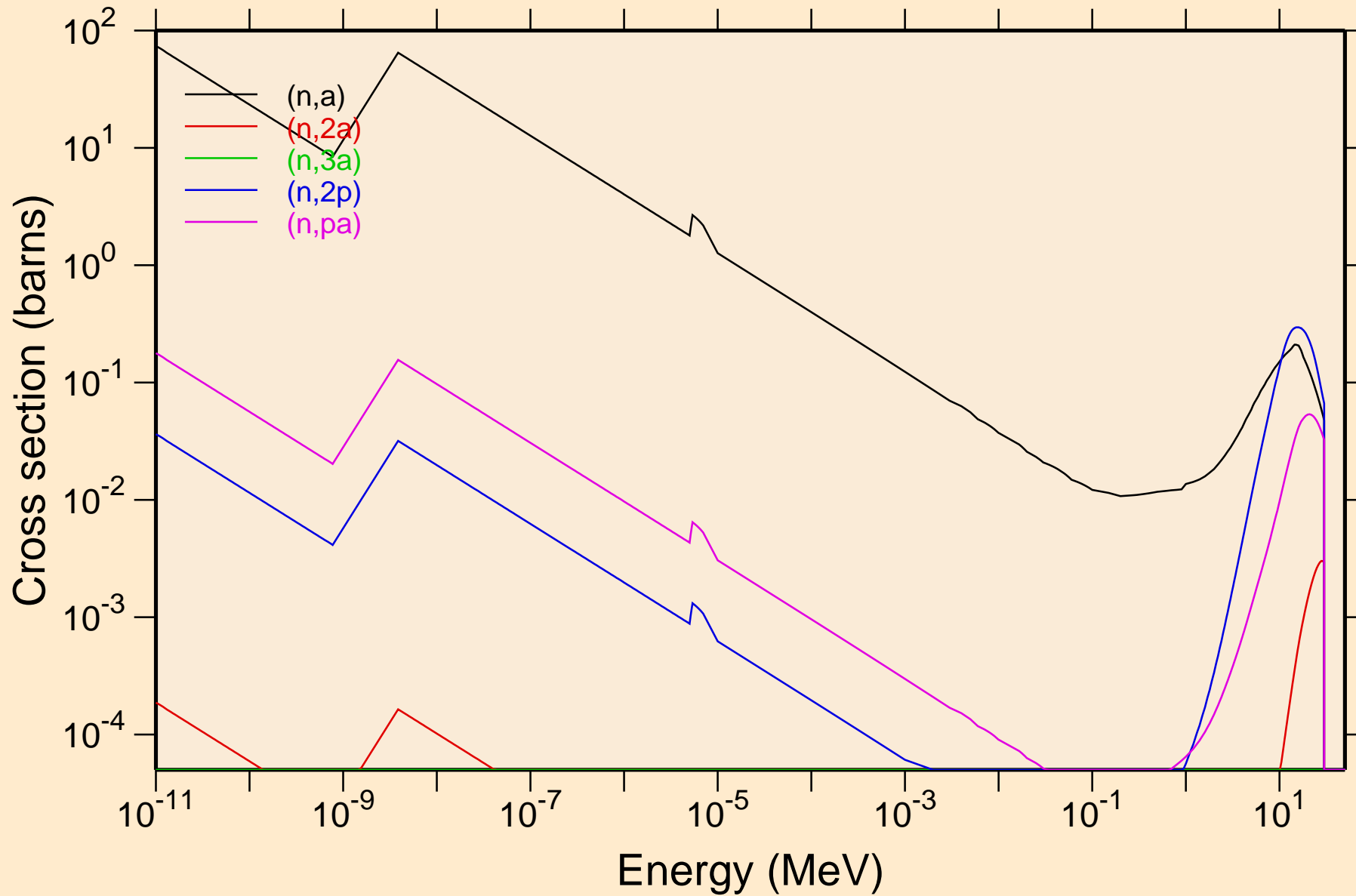
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

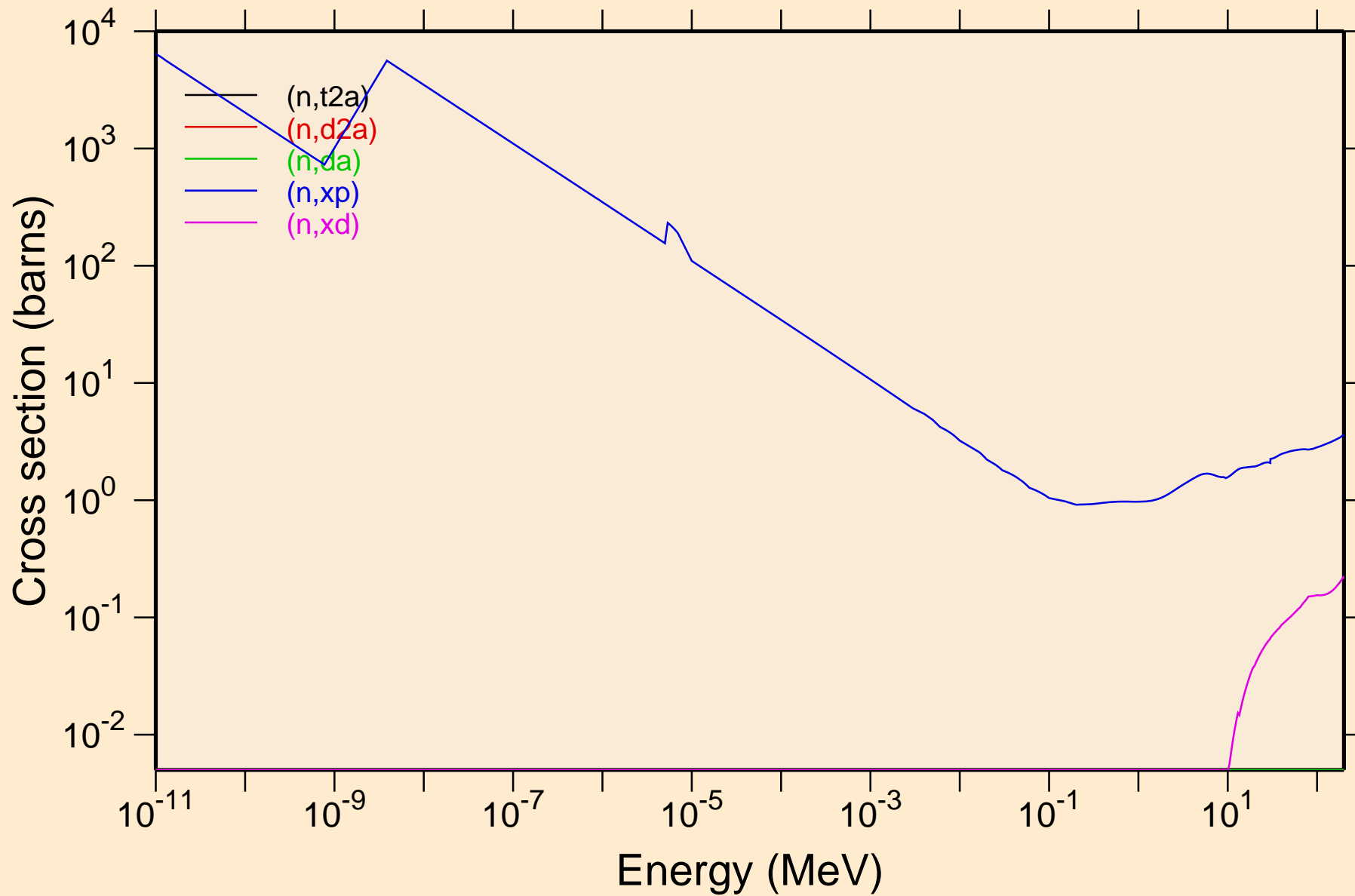


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

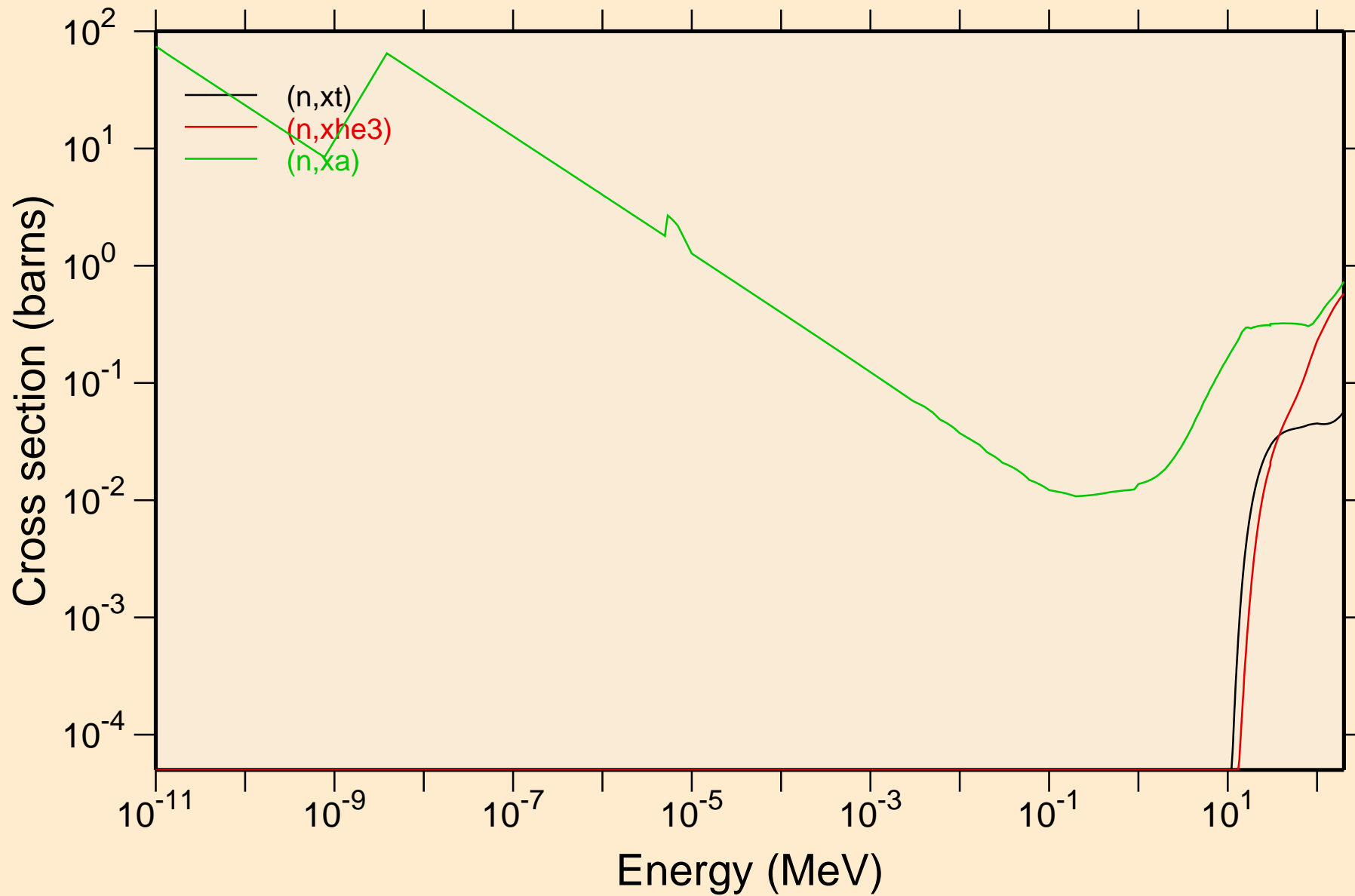


# IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions



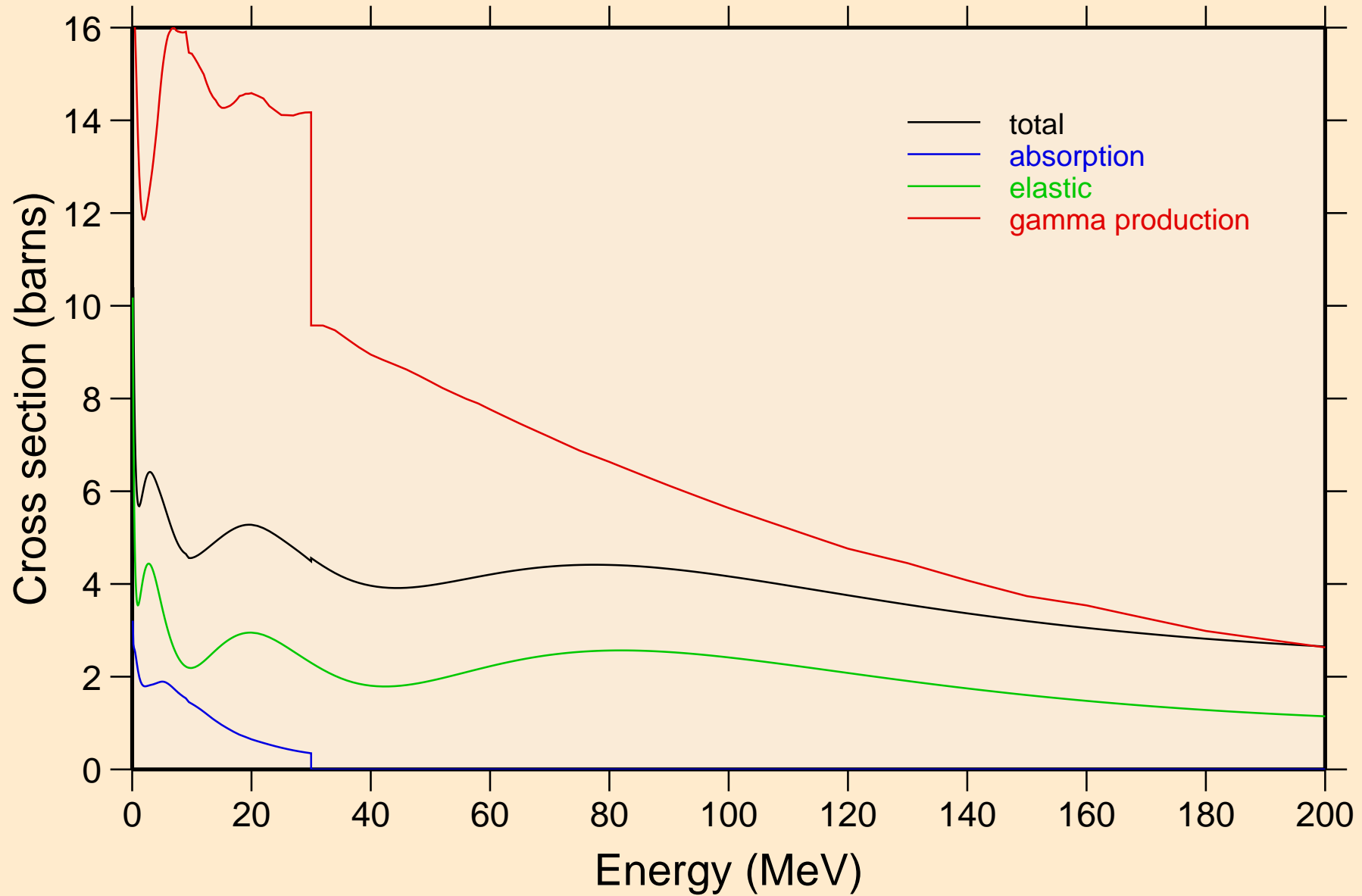
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions





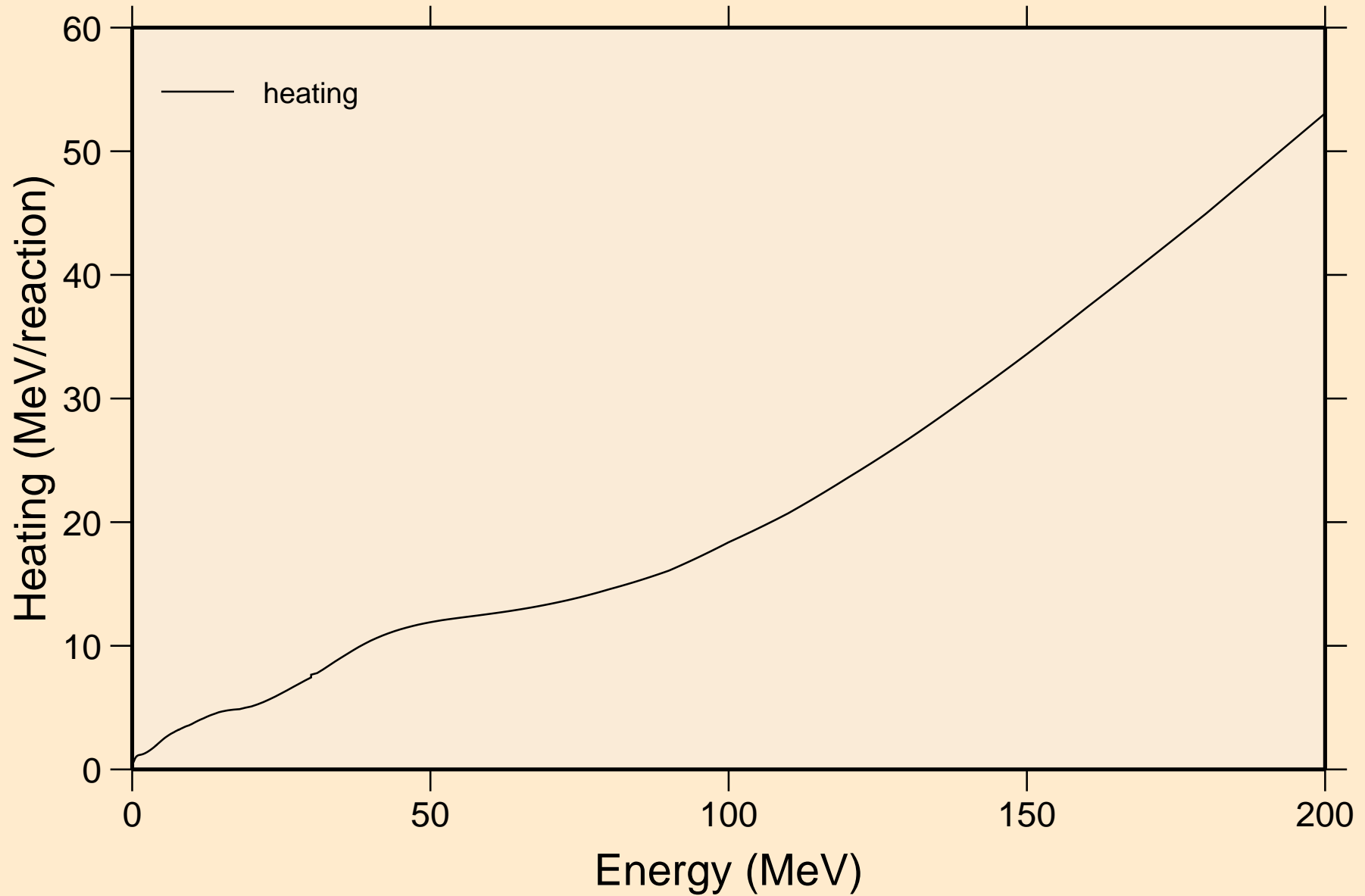
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## Principal cross sections



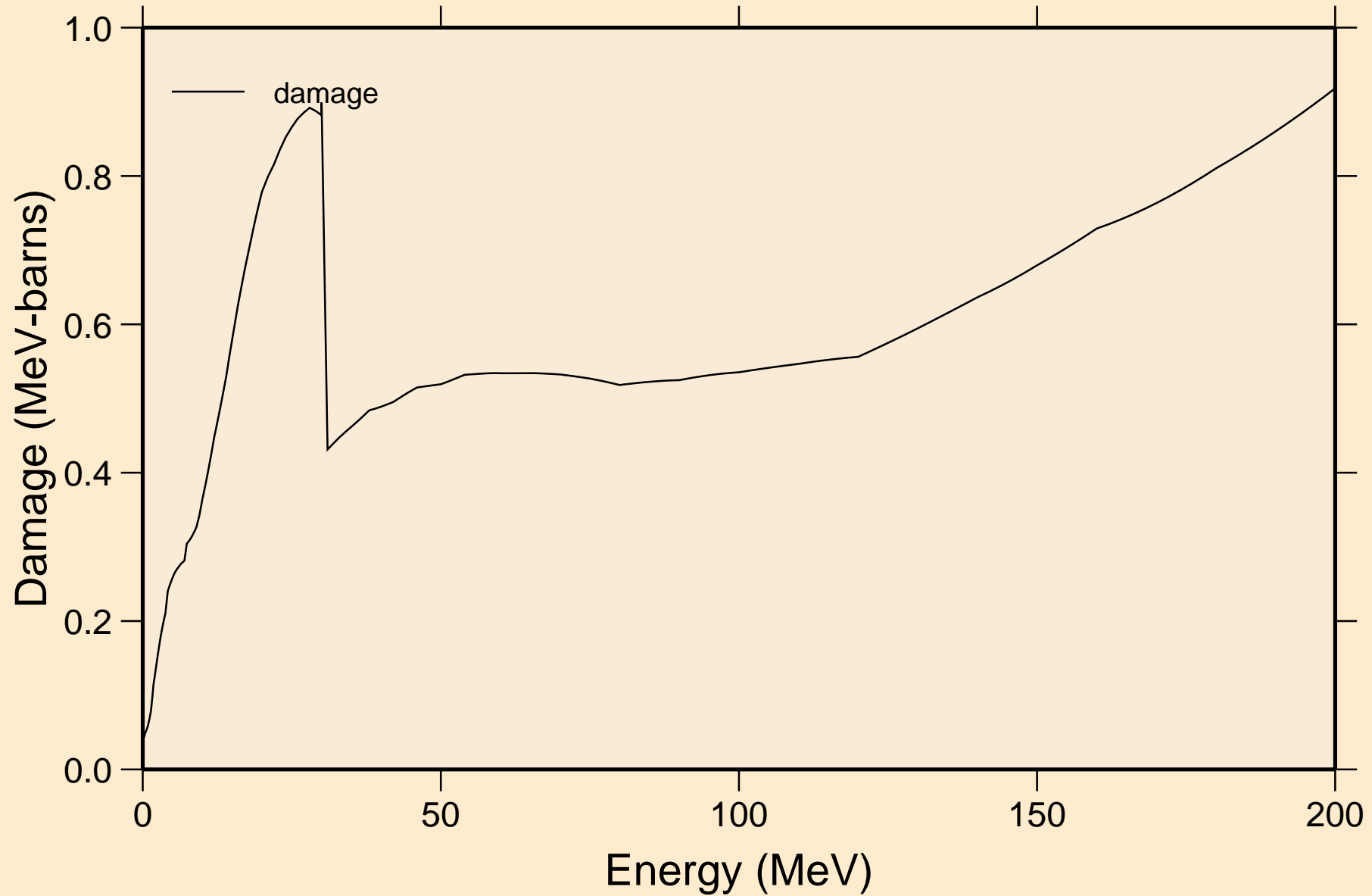
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Heating



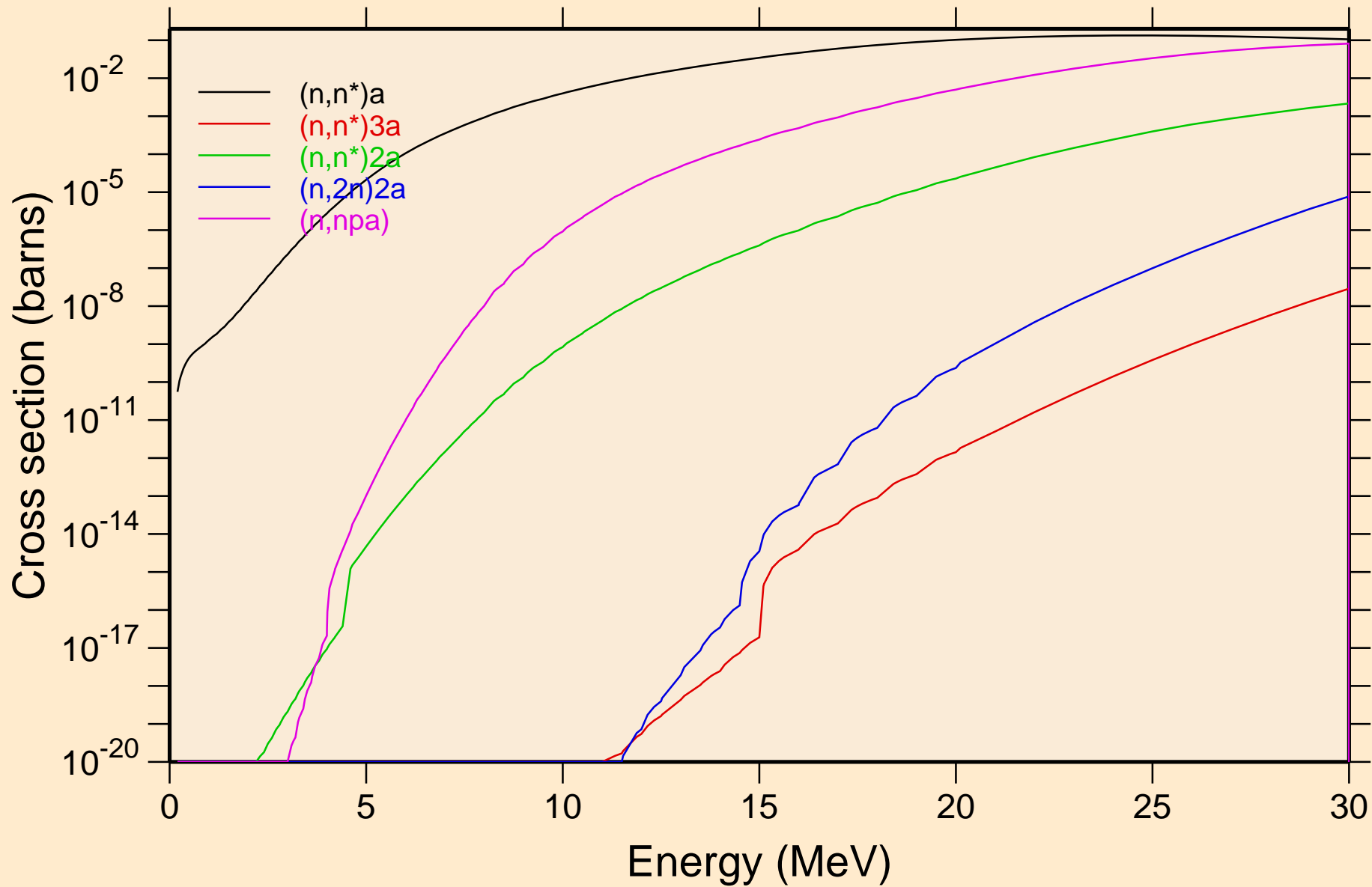
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## Damage

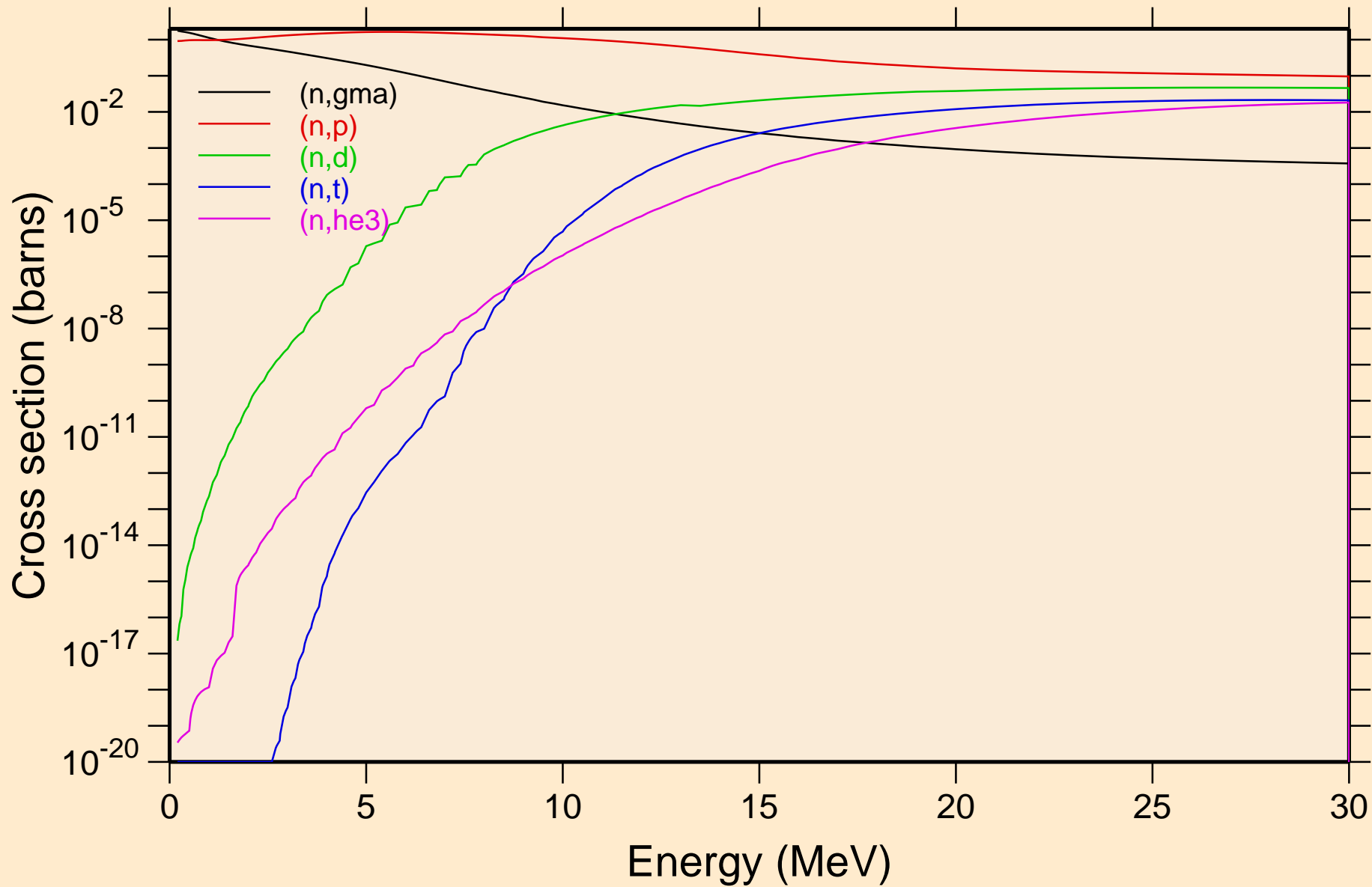


# IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

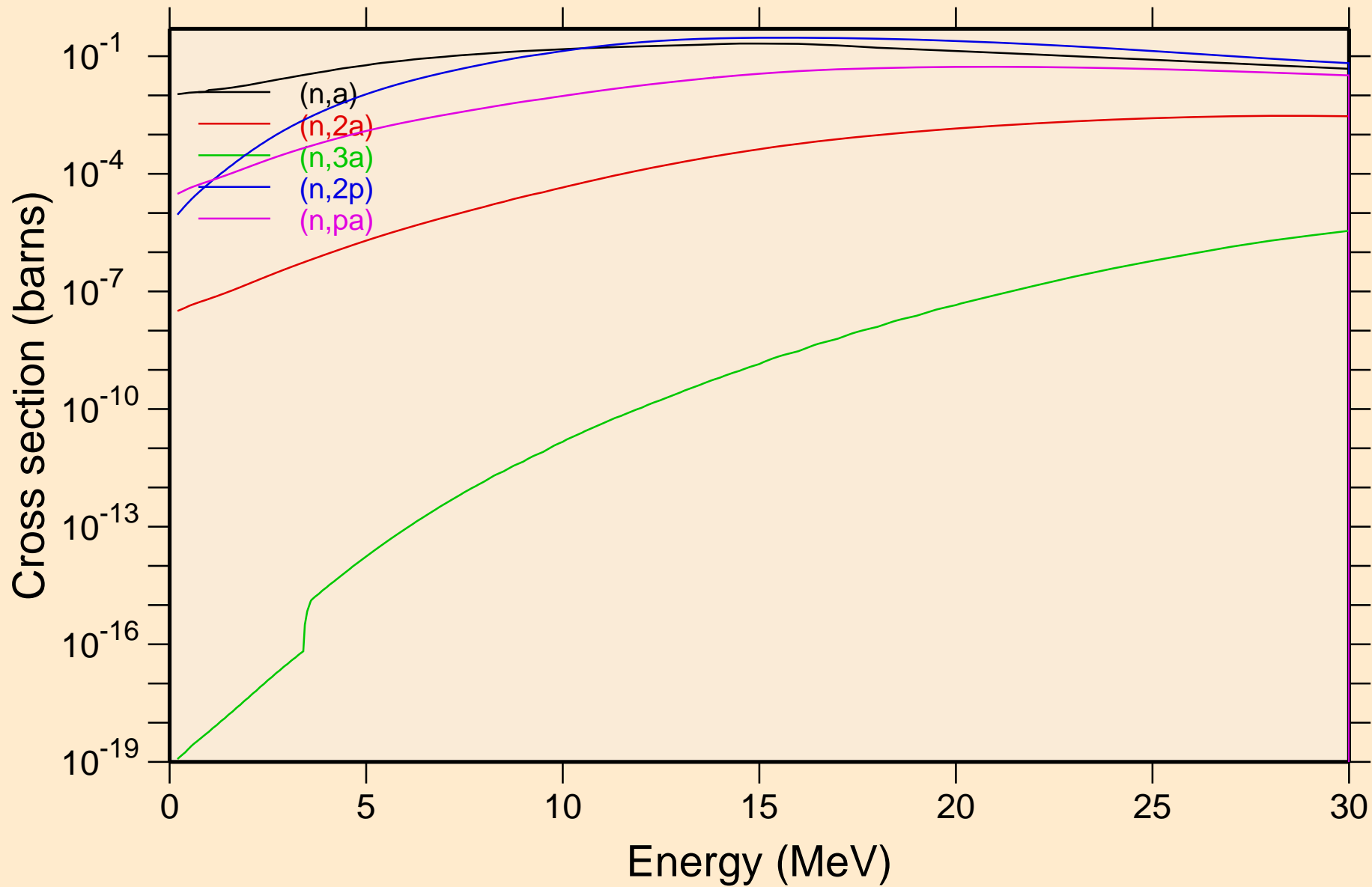
## Non-threshold reactions



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

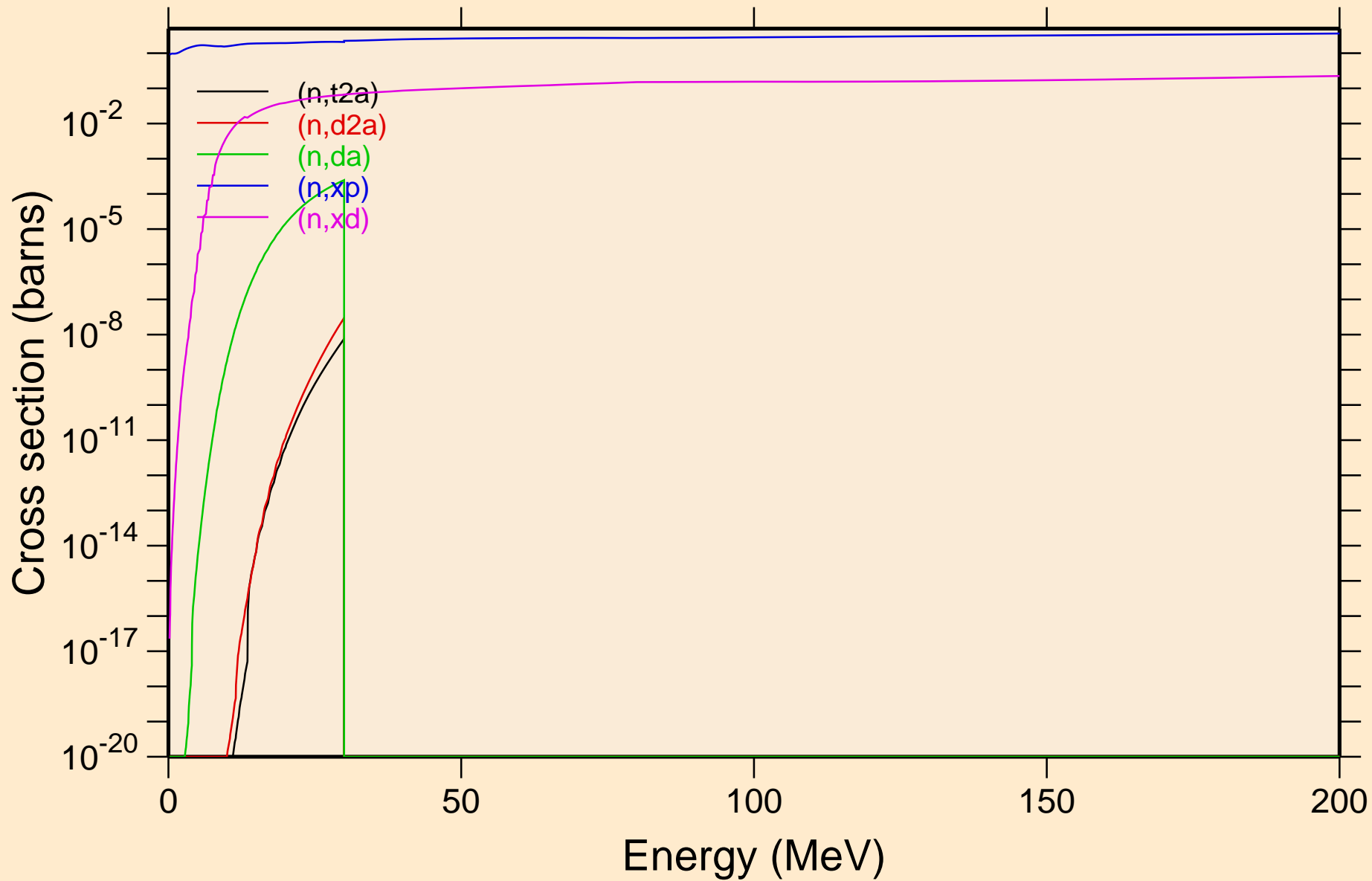


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

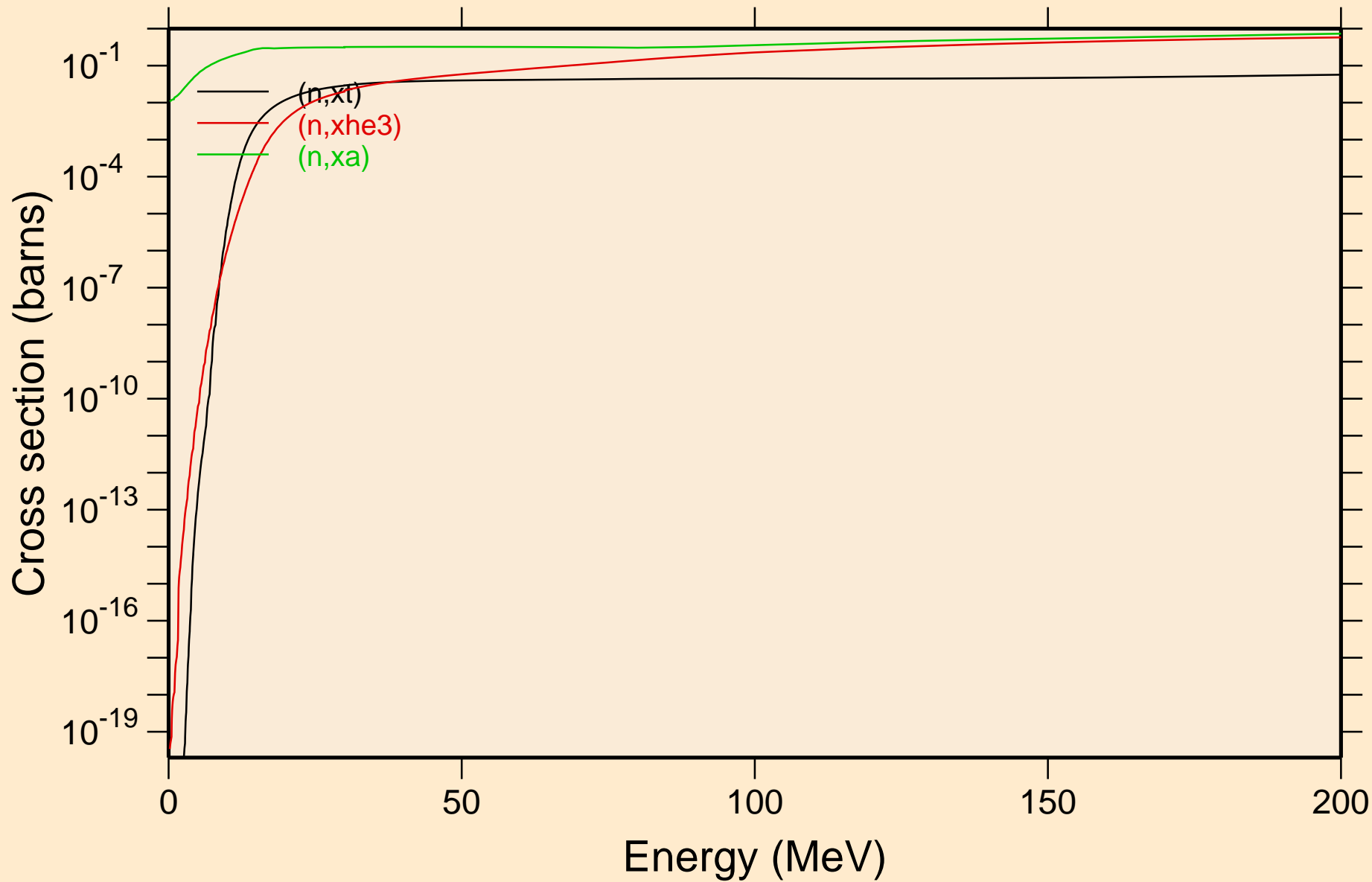


# IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

## Non-threshold reactions

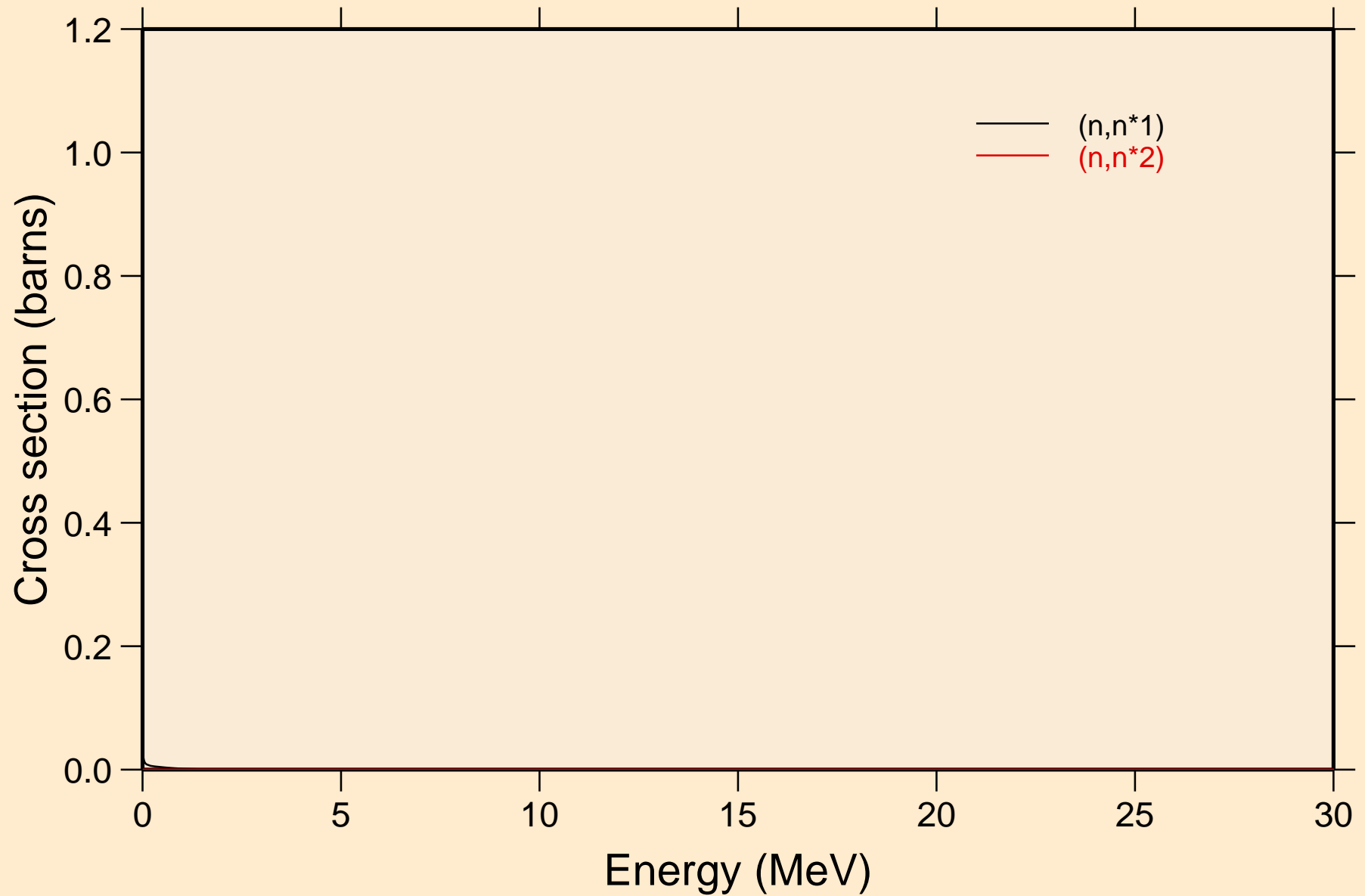


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Non-threshold reactions

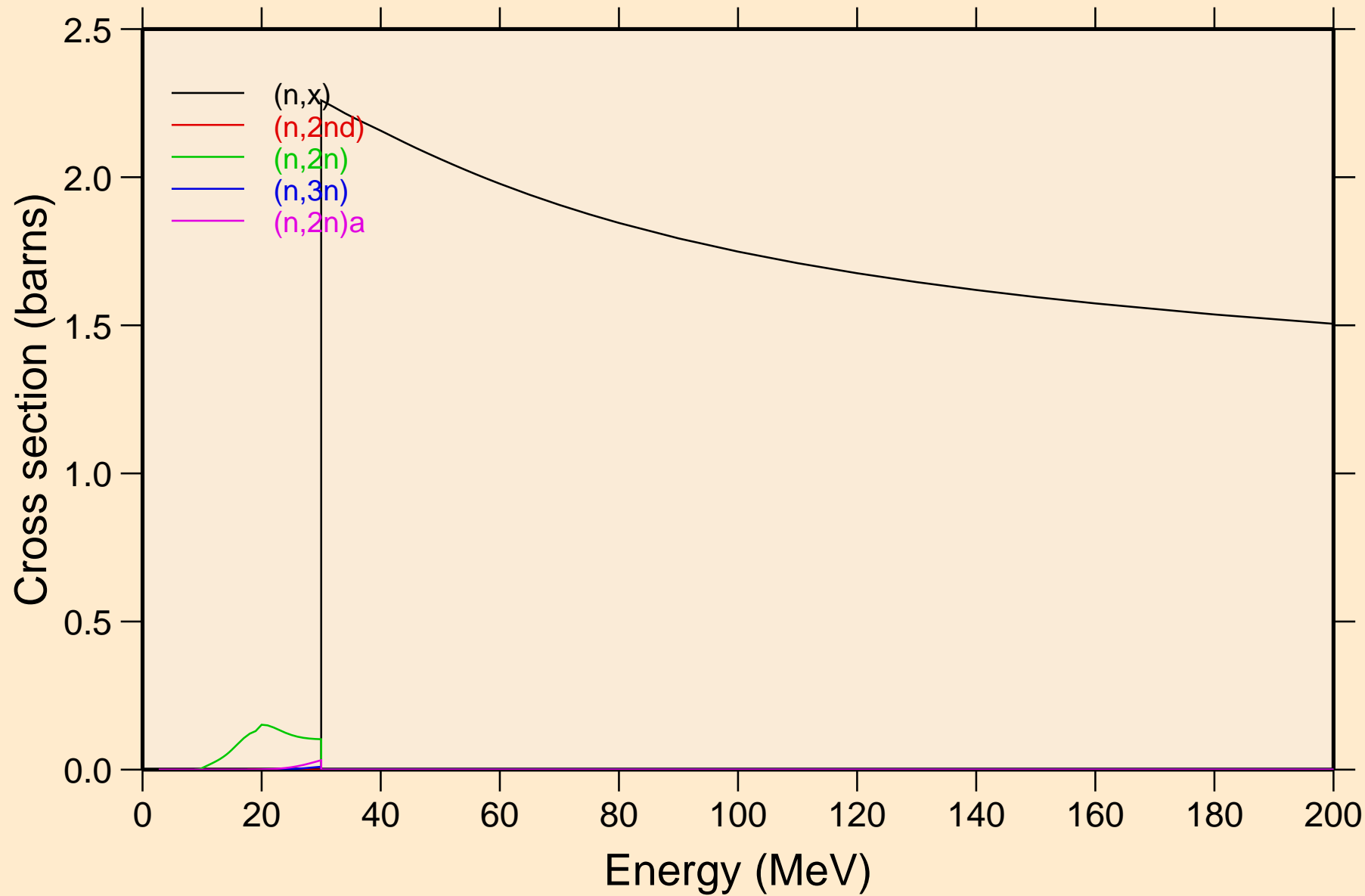




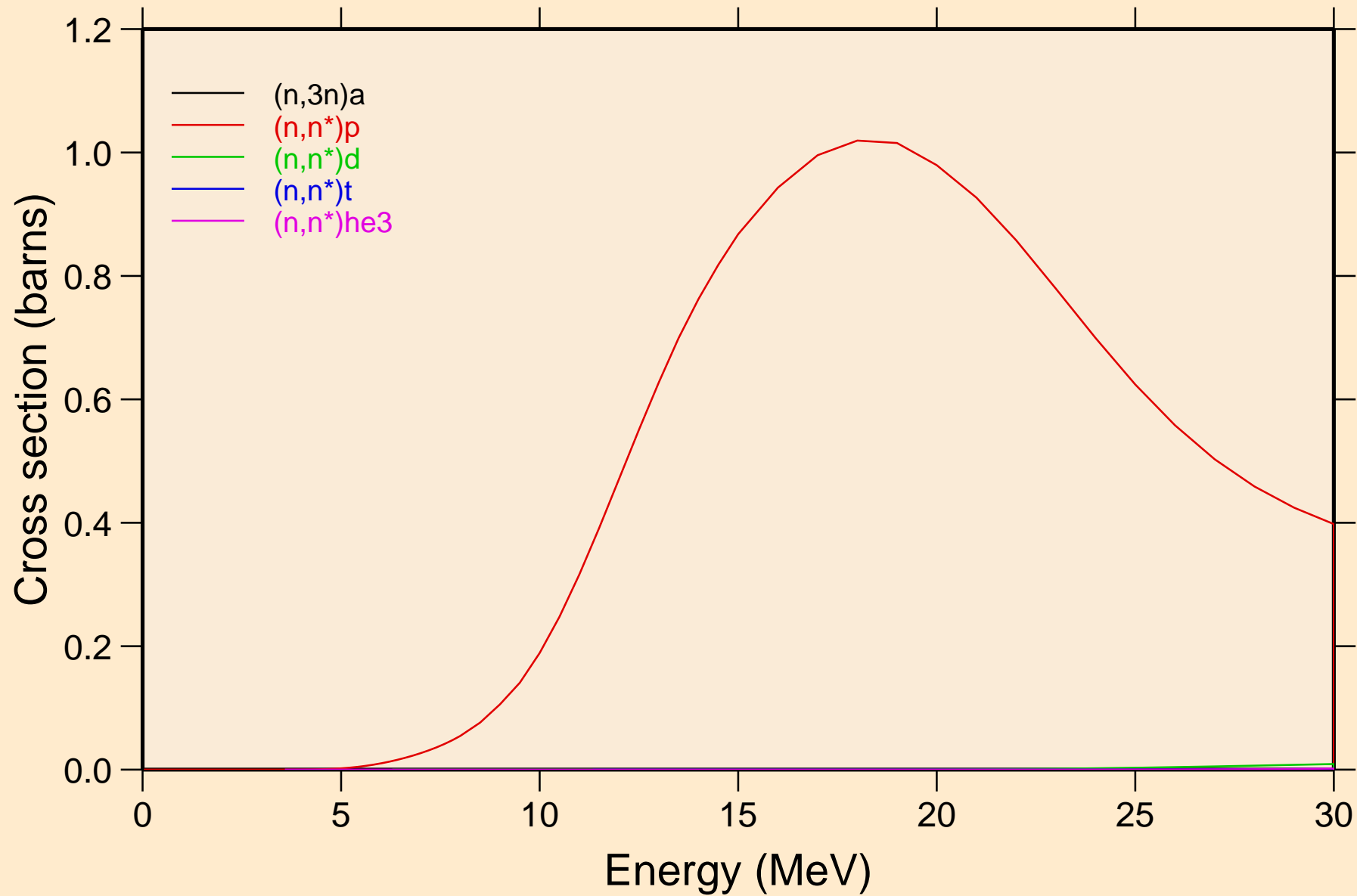
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Inelastic levels



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

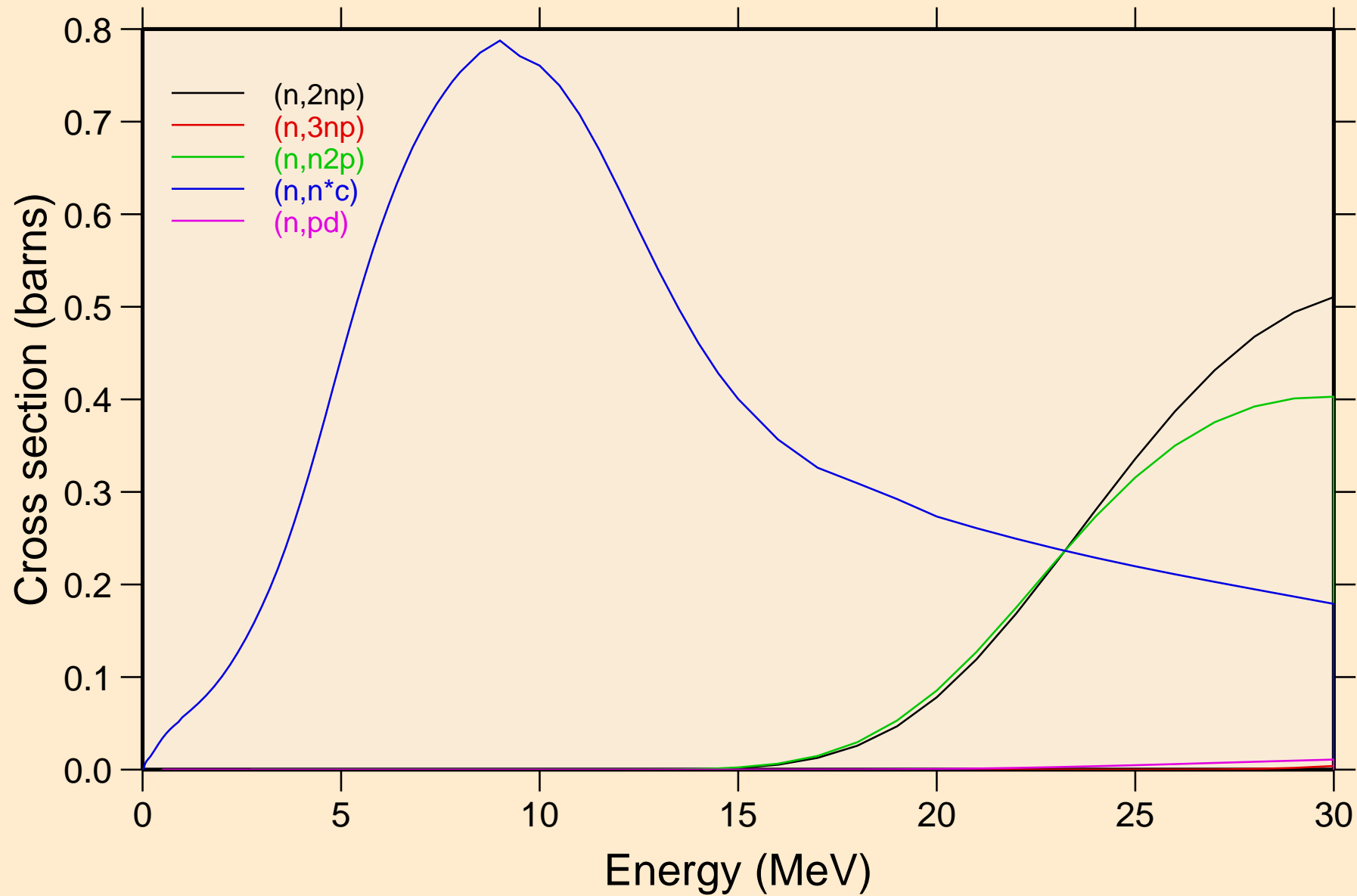


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions

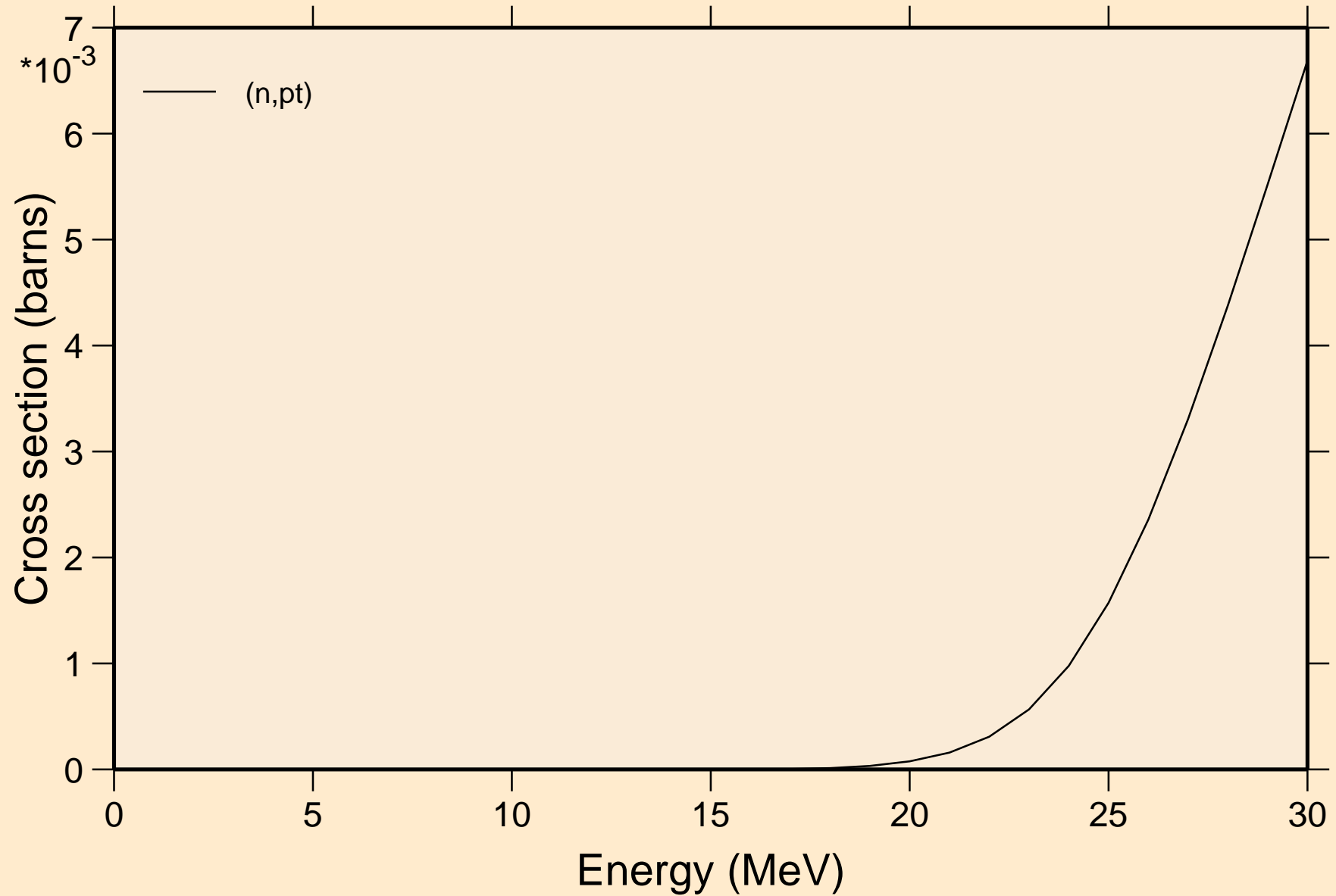


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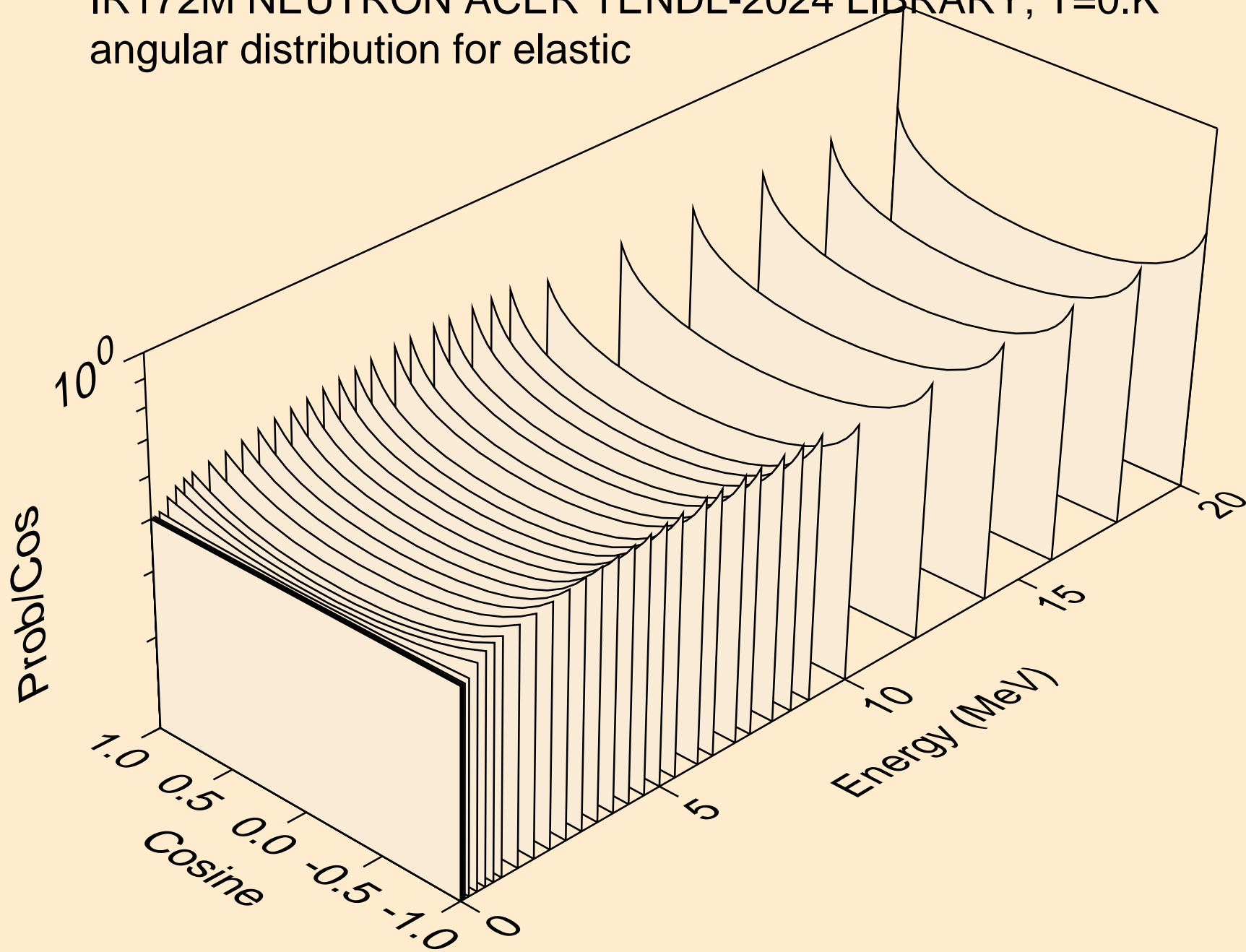
## Threshold reactions



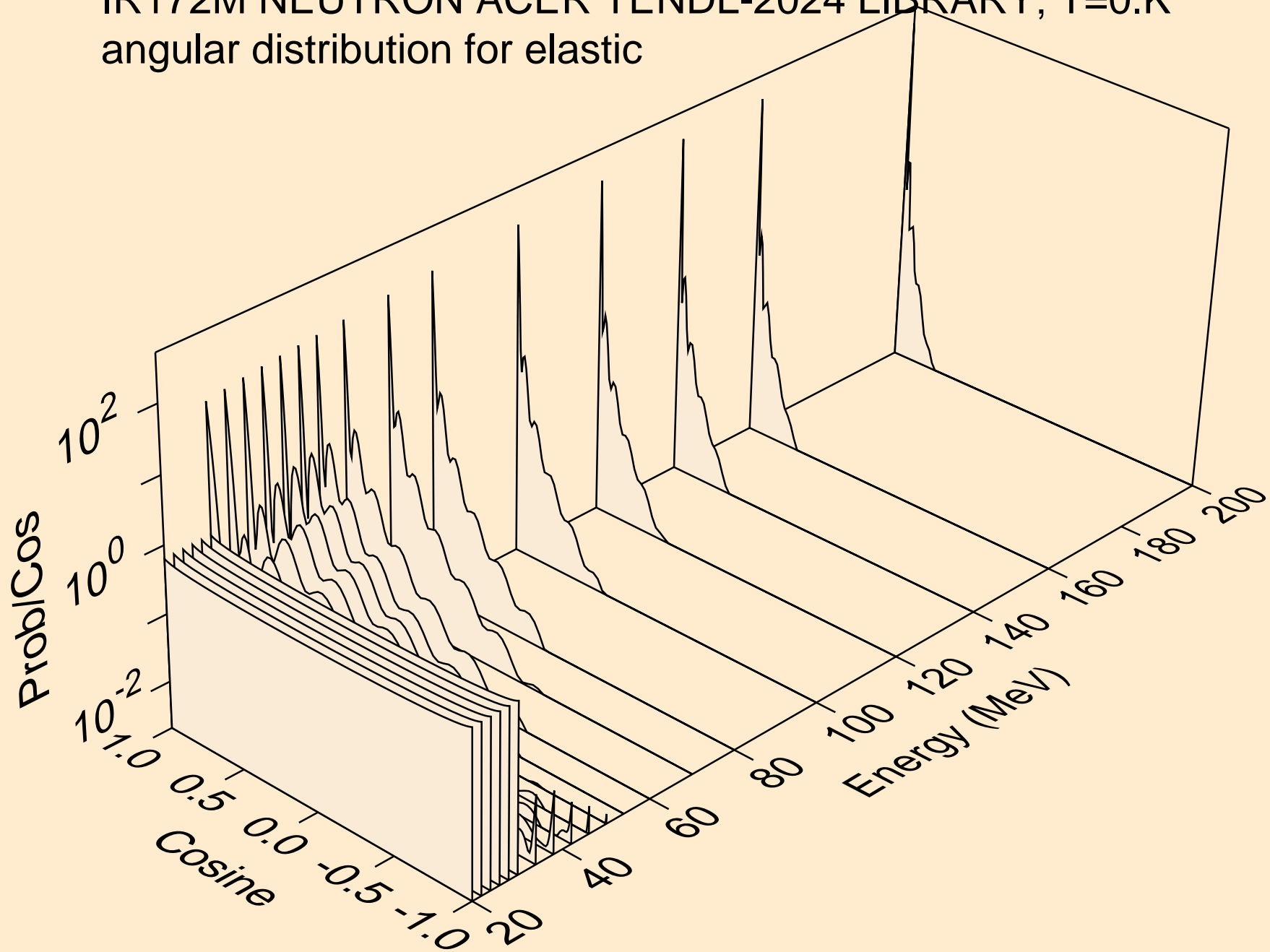
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Threshold reactions



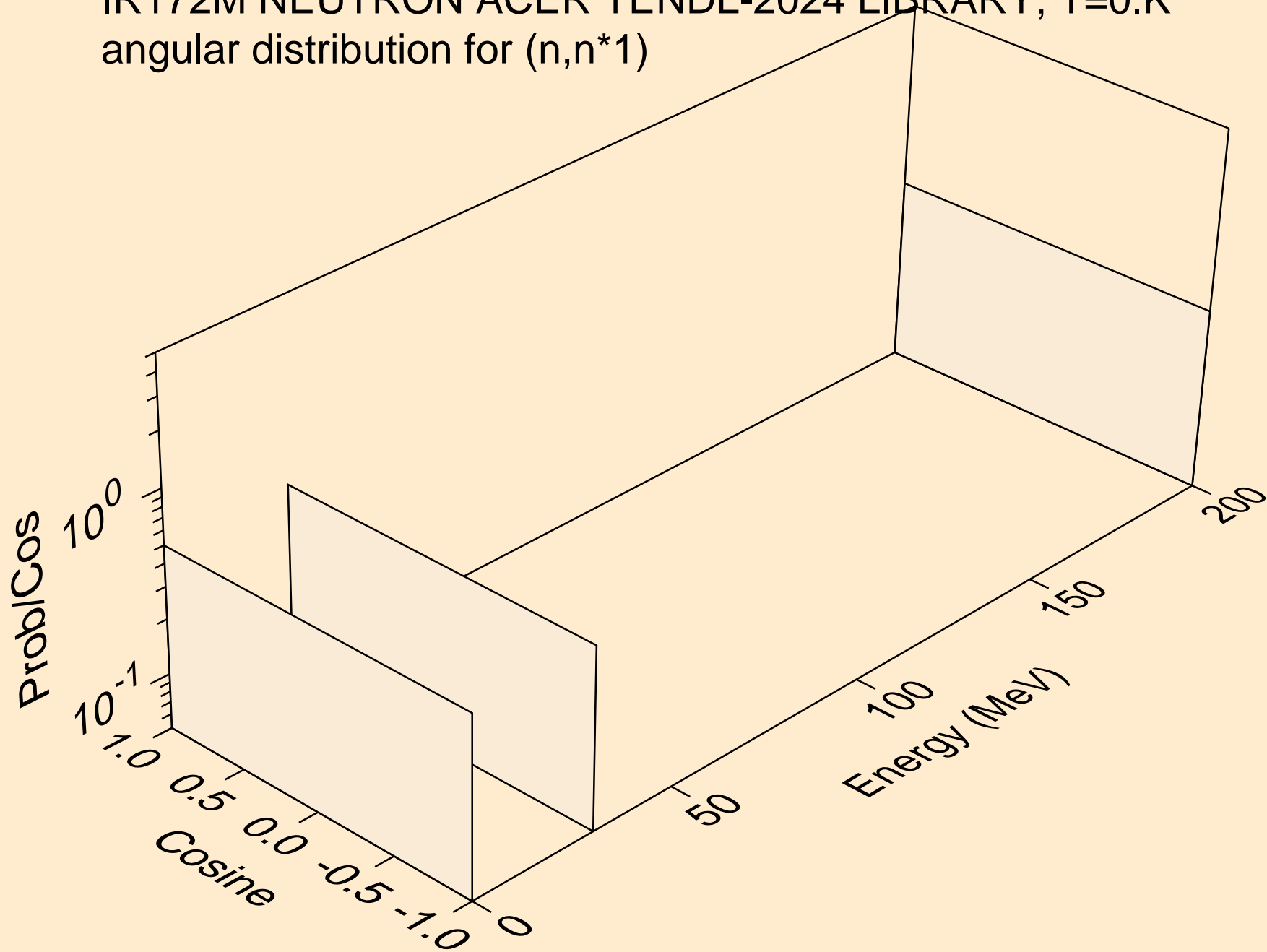
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for elastic

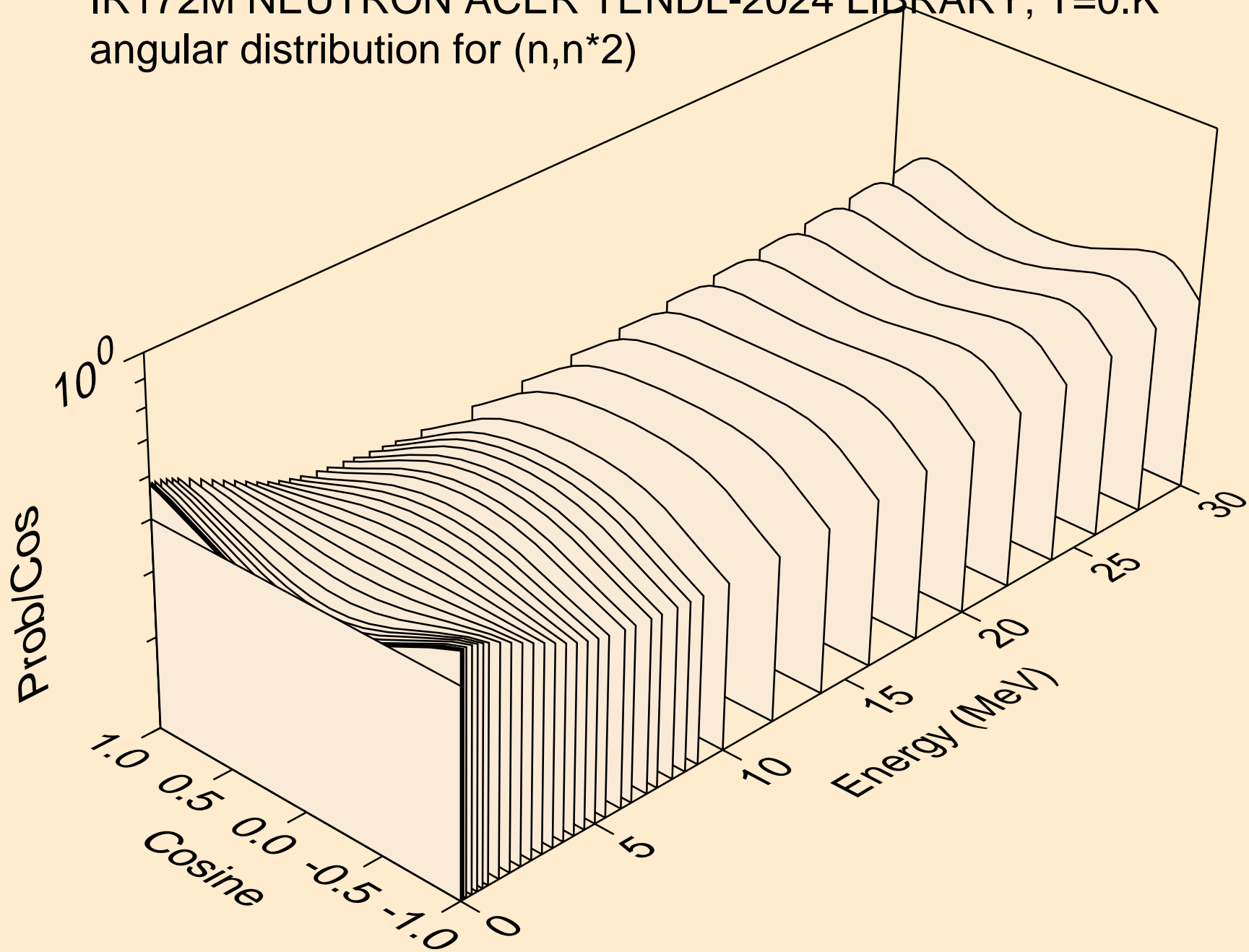


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
angular distribution for (n,n\*1)

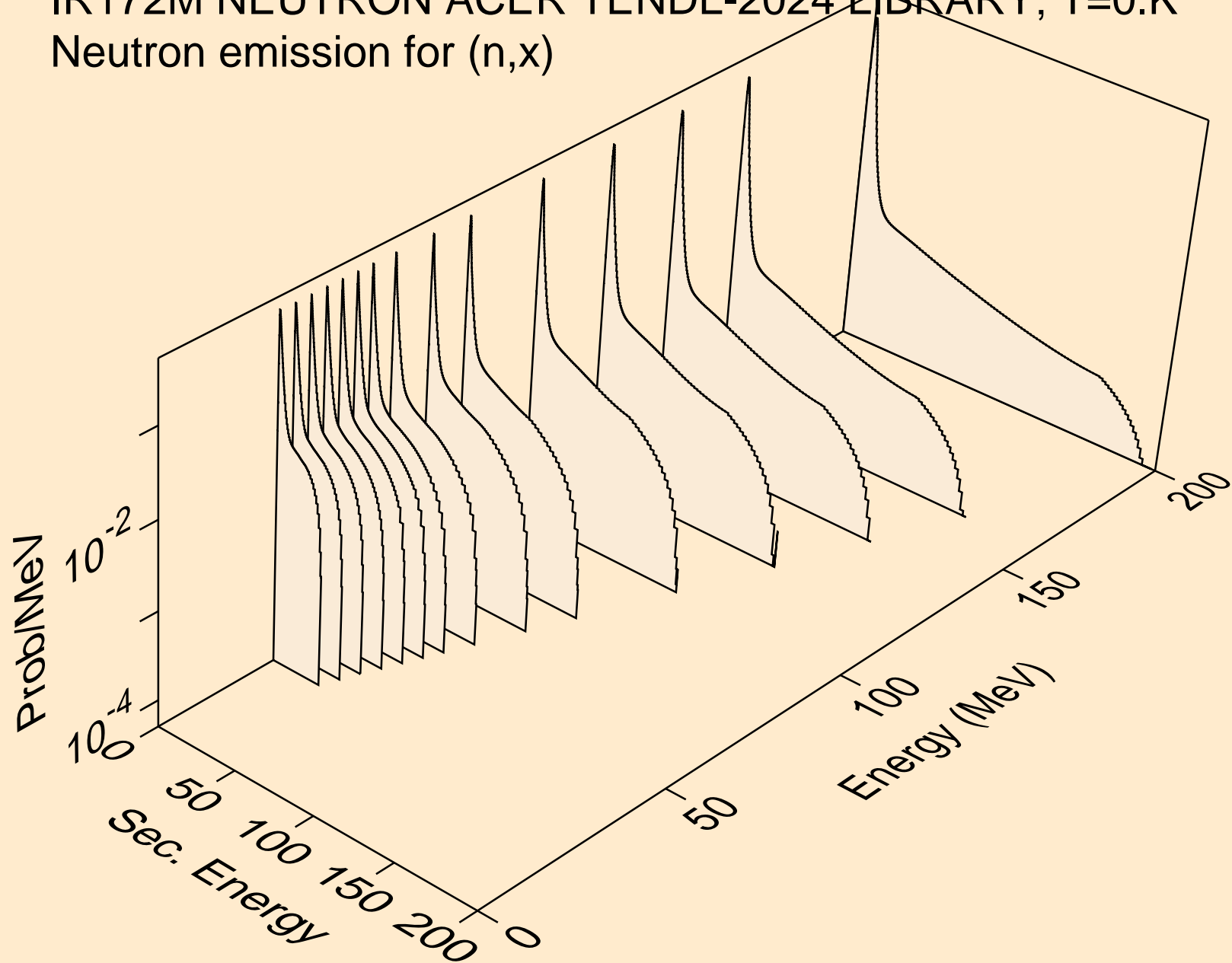




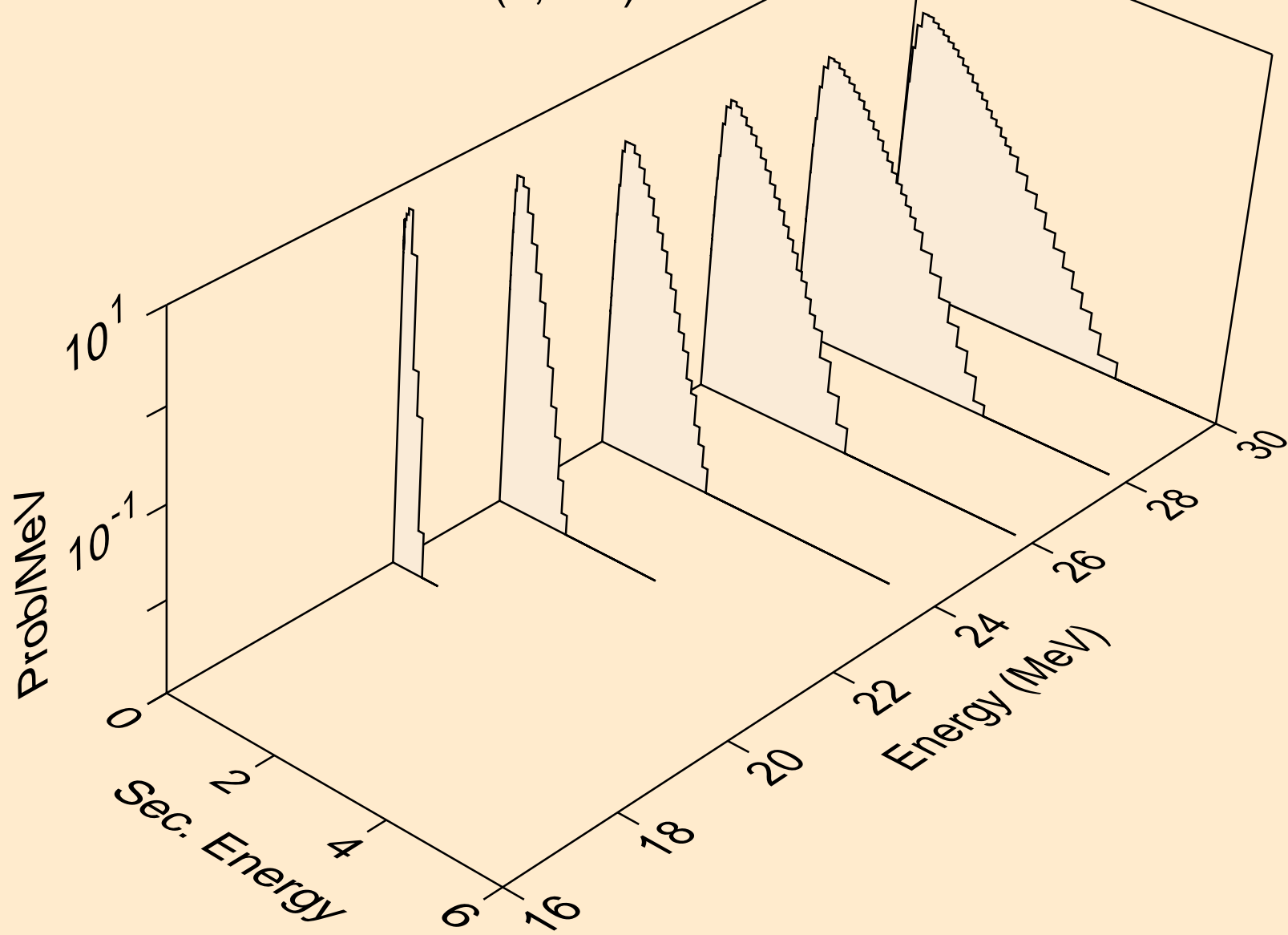
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angular distribution for (n,n\*2)



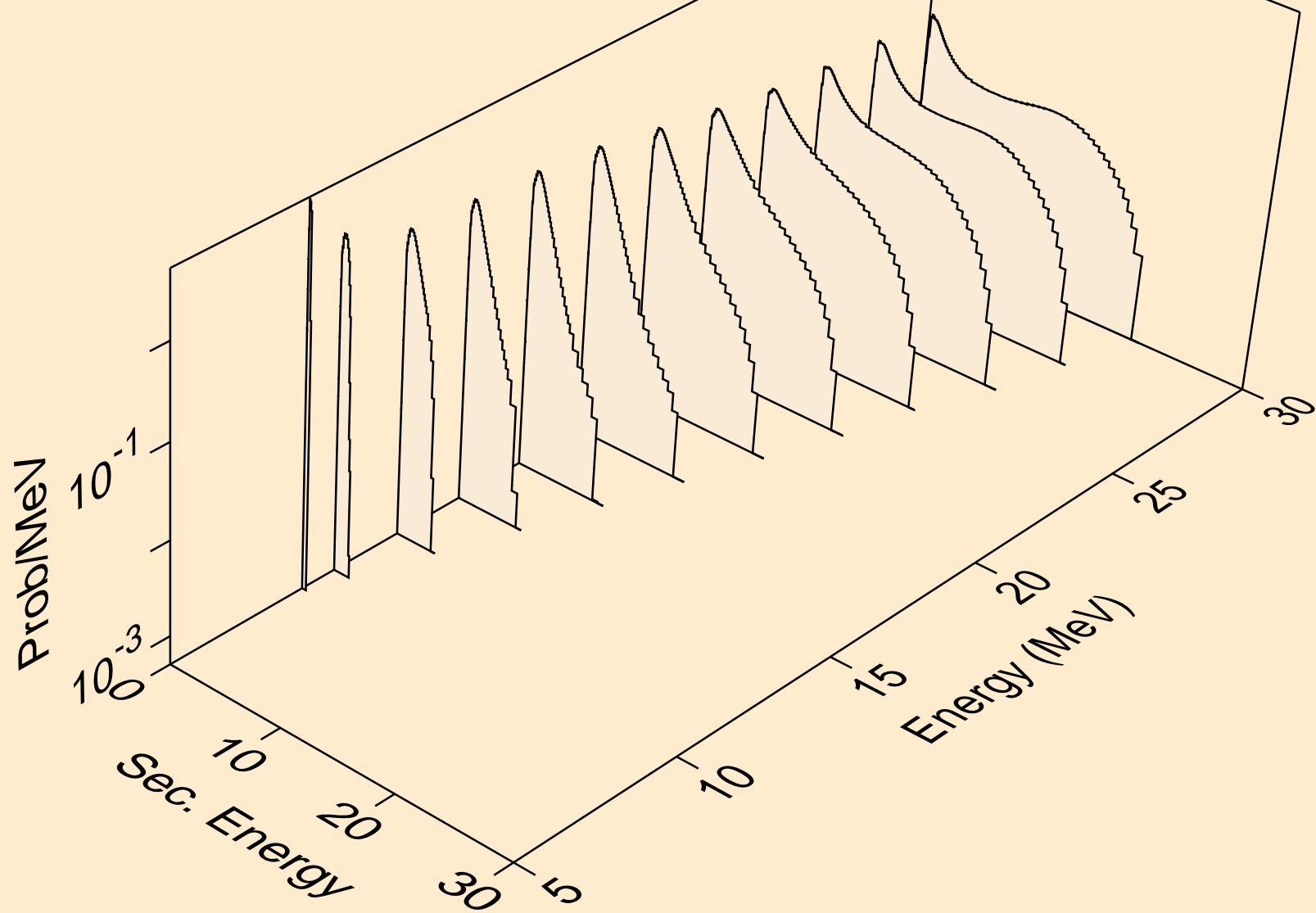
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Neutron emission for (n,x)



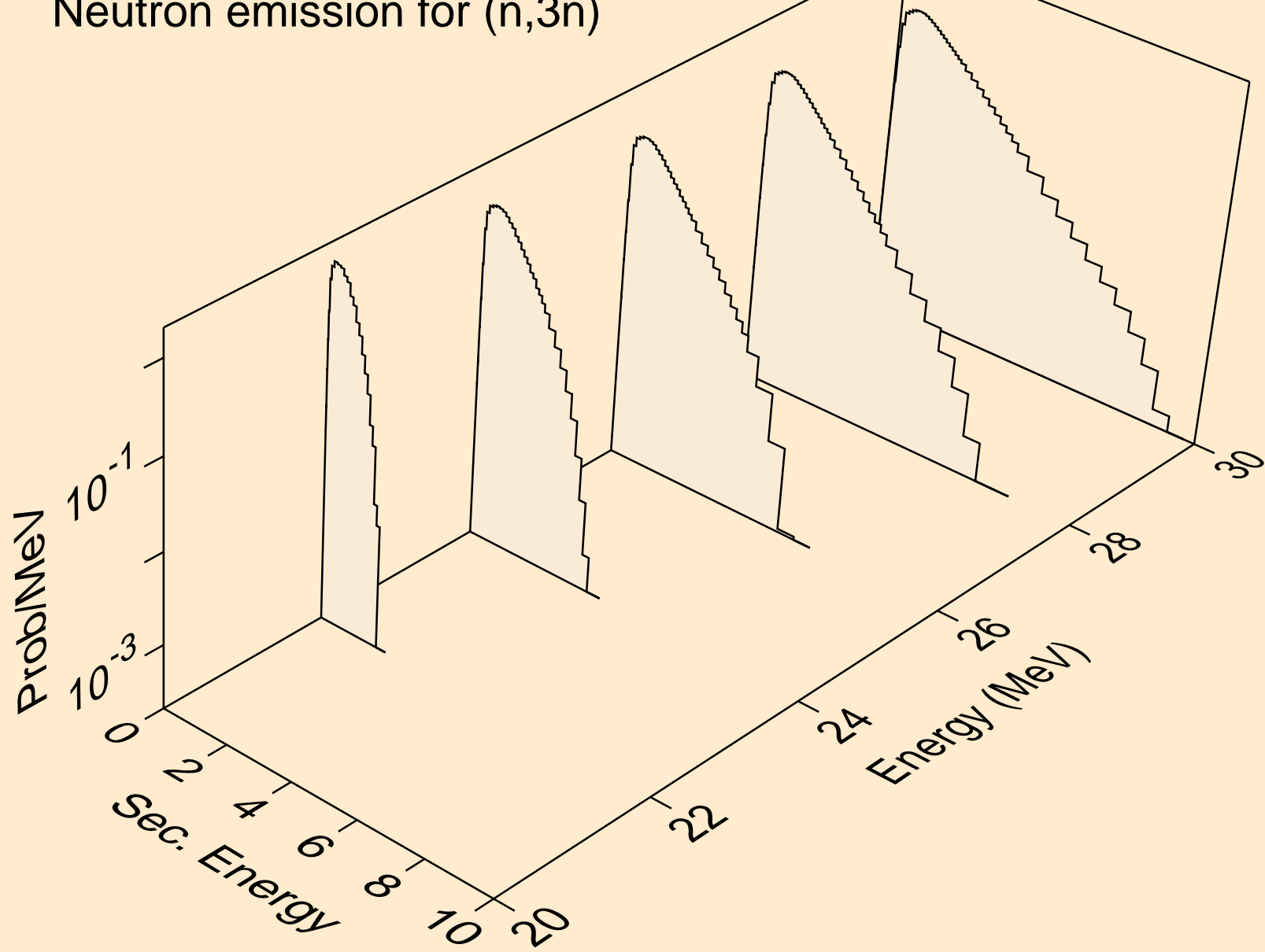
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Neutron emission for (n,2nd)



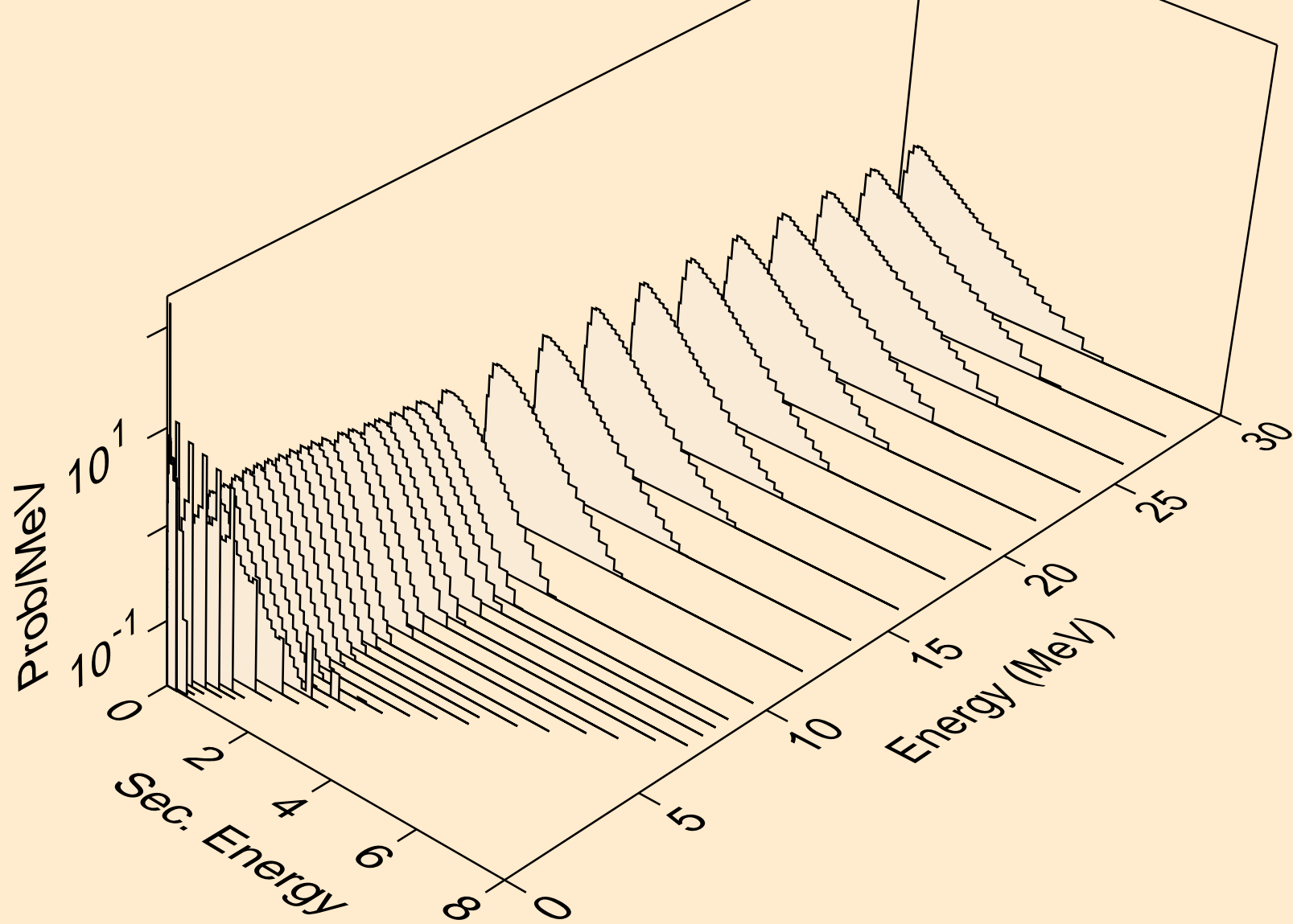
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Neutron emission for (n,2n)



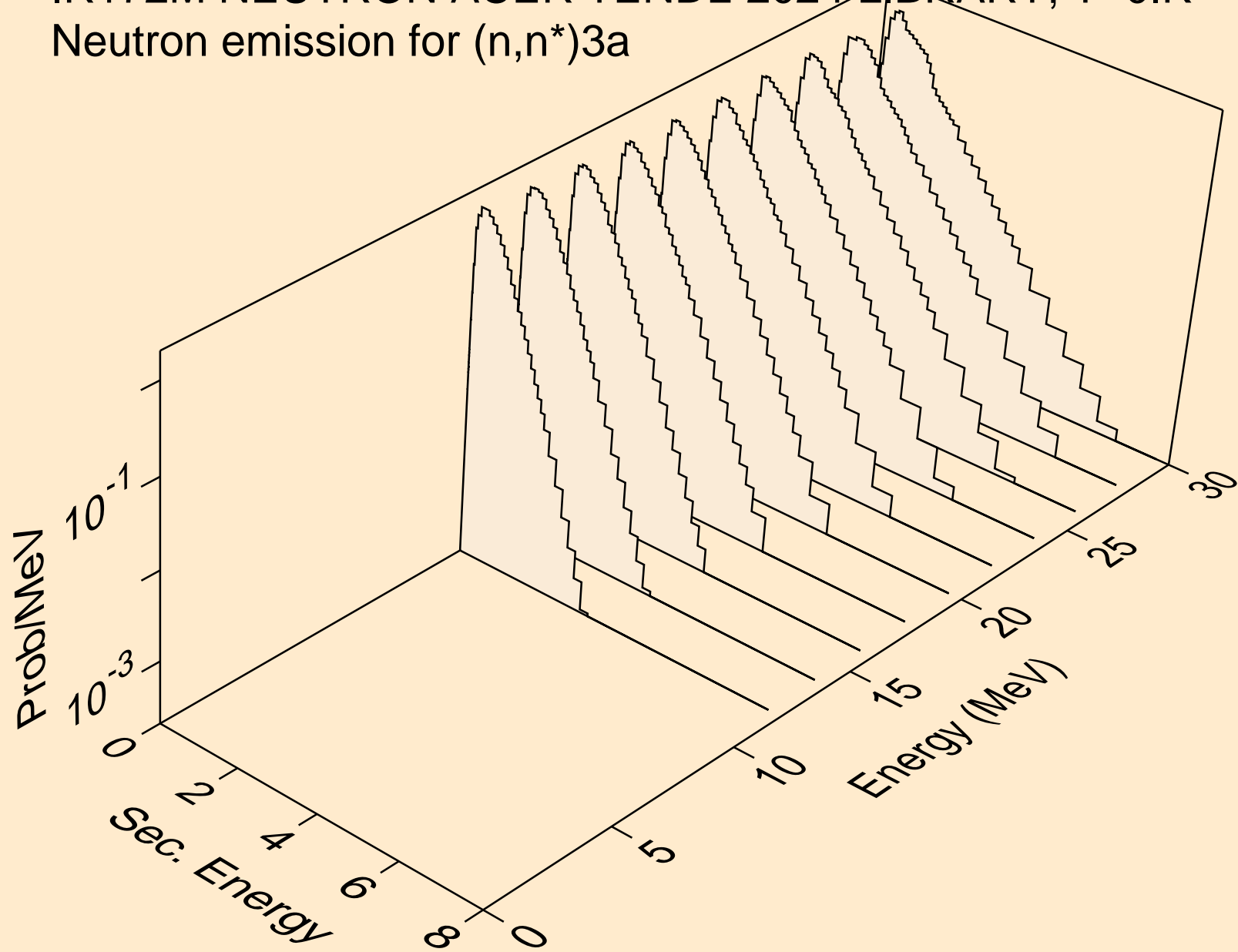
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Neutron emission for (n,3n)



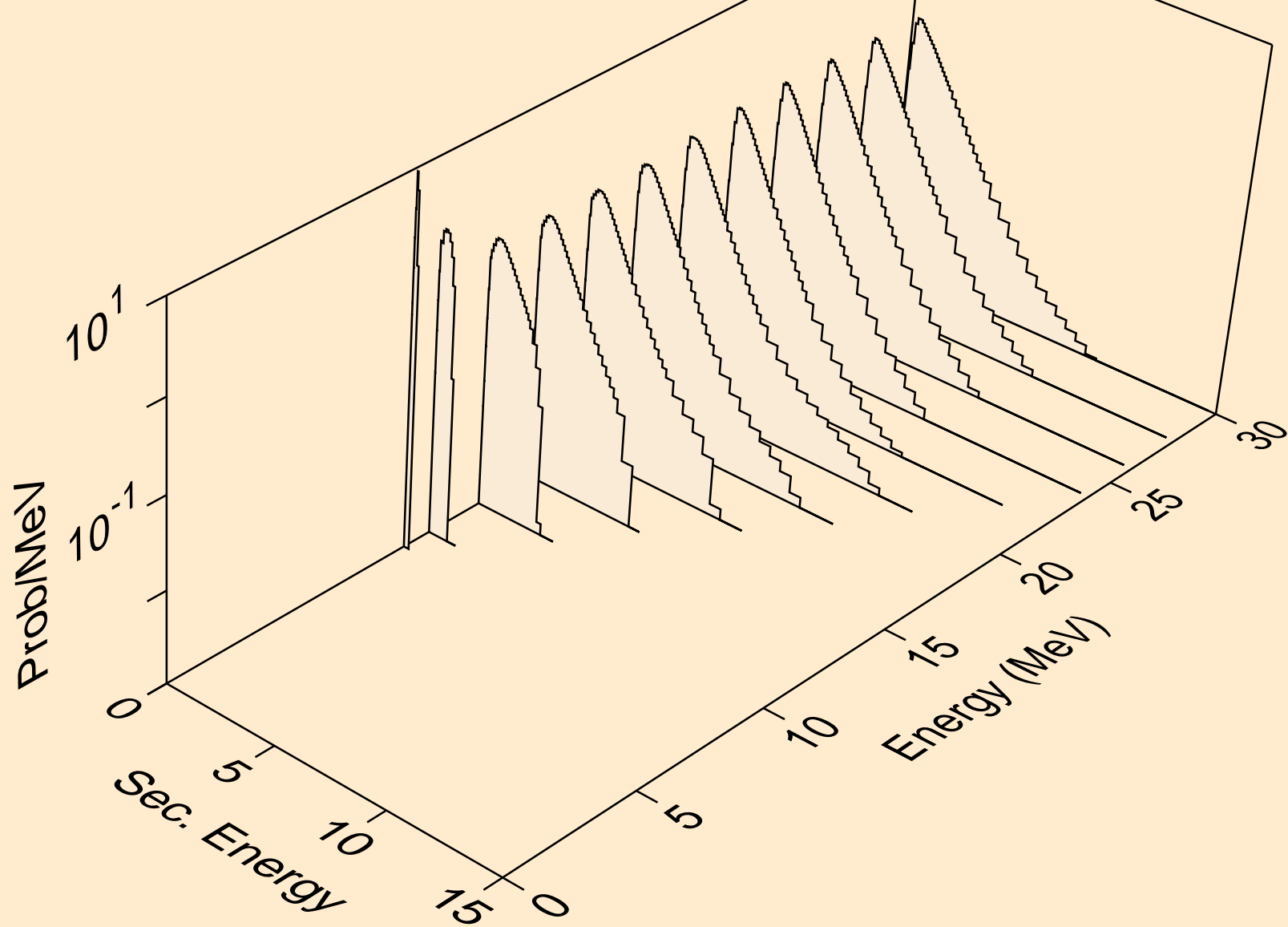
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)3a

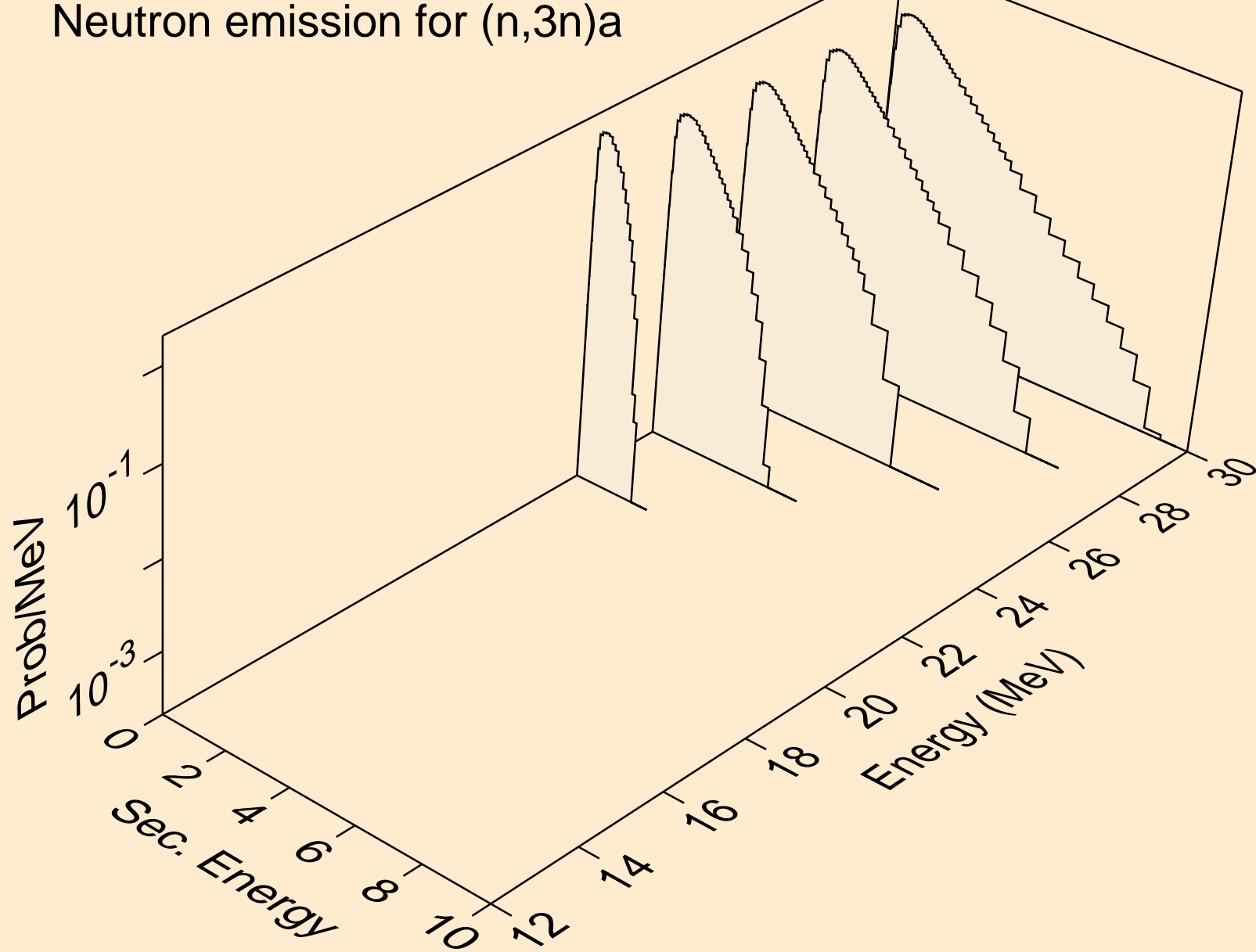


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,2n)a

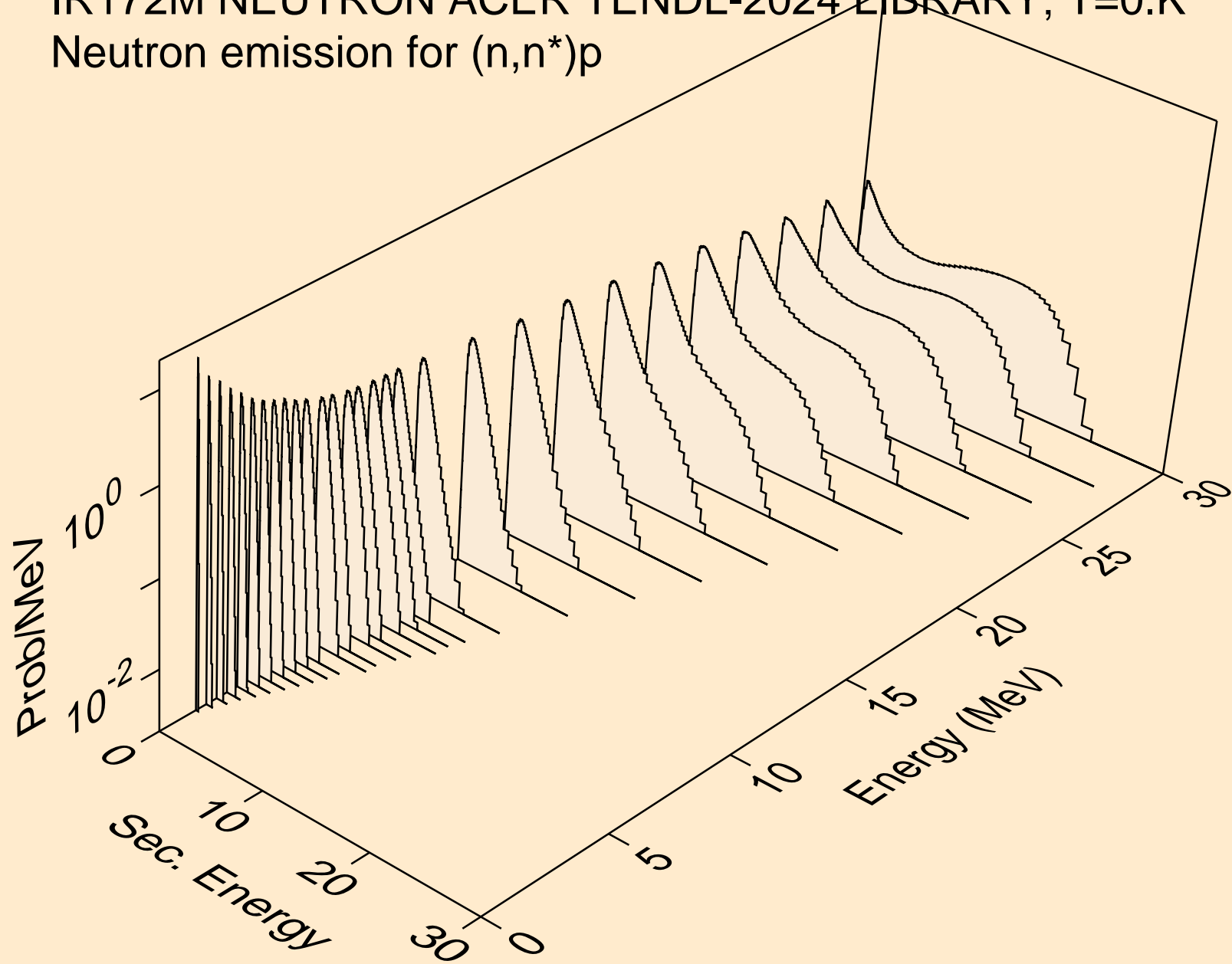




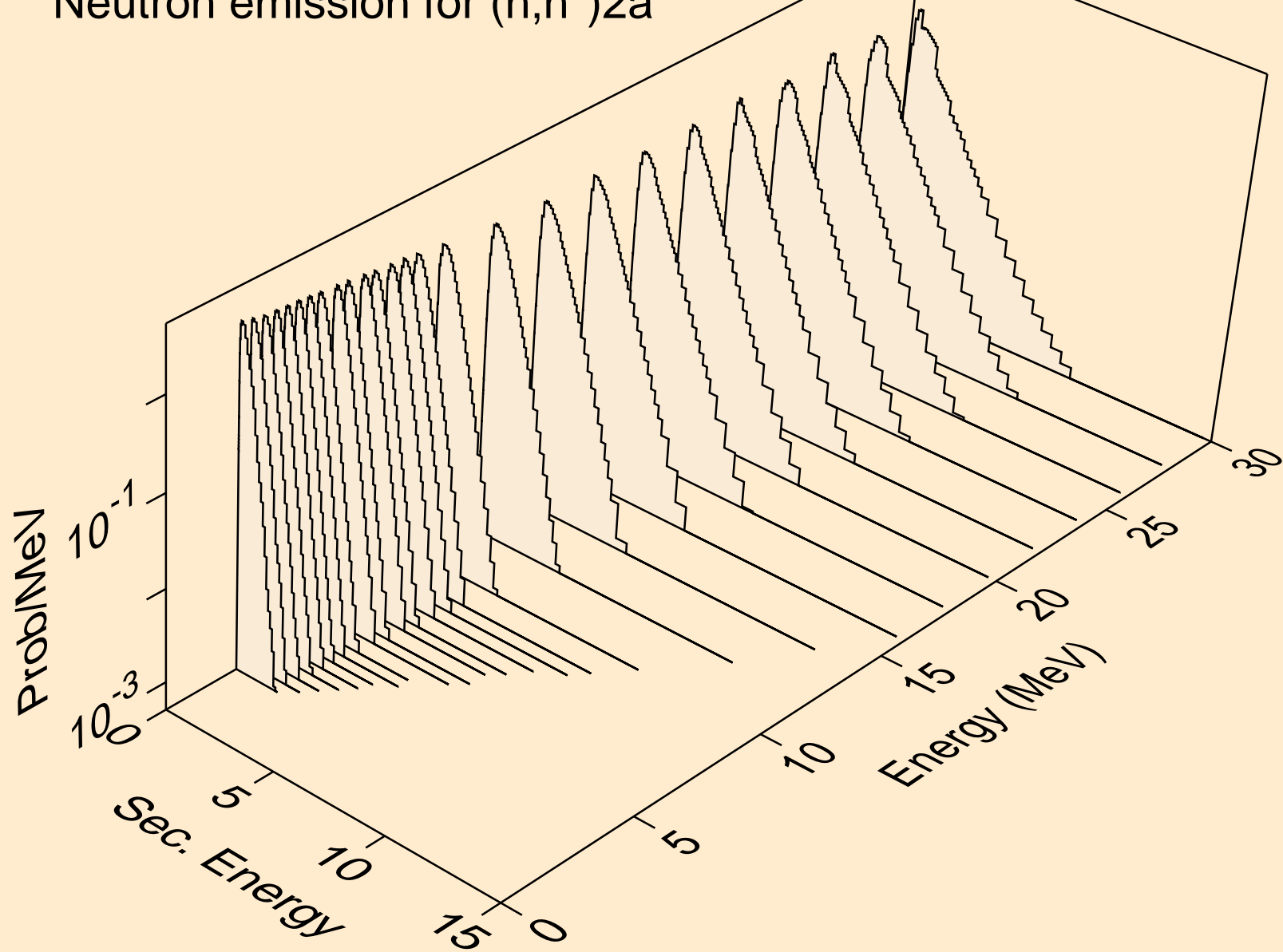
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Neutron emission for (n,3n)a



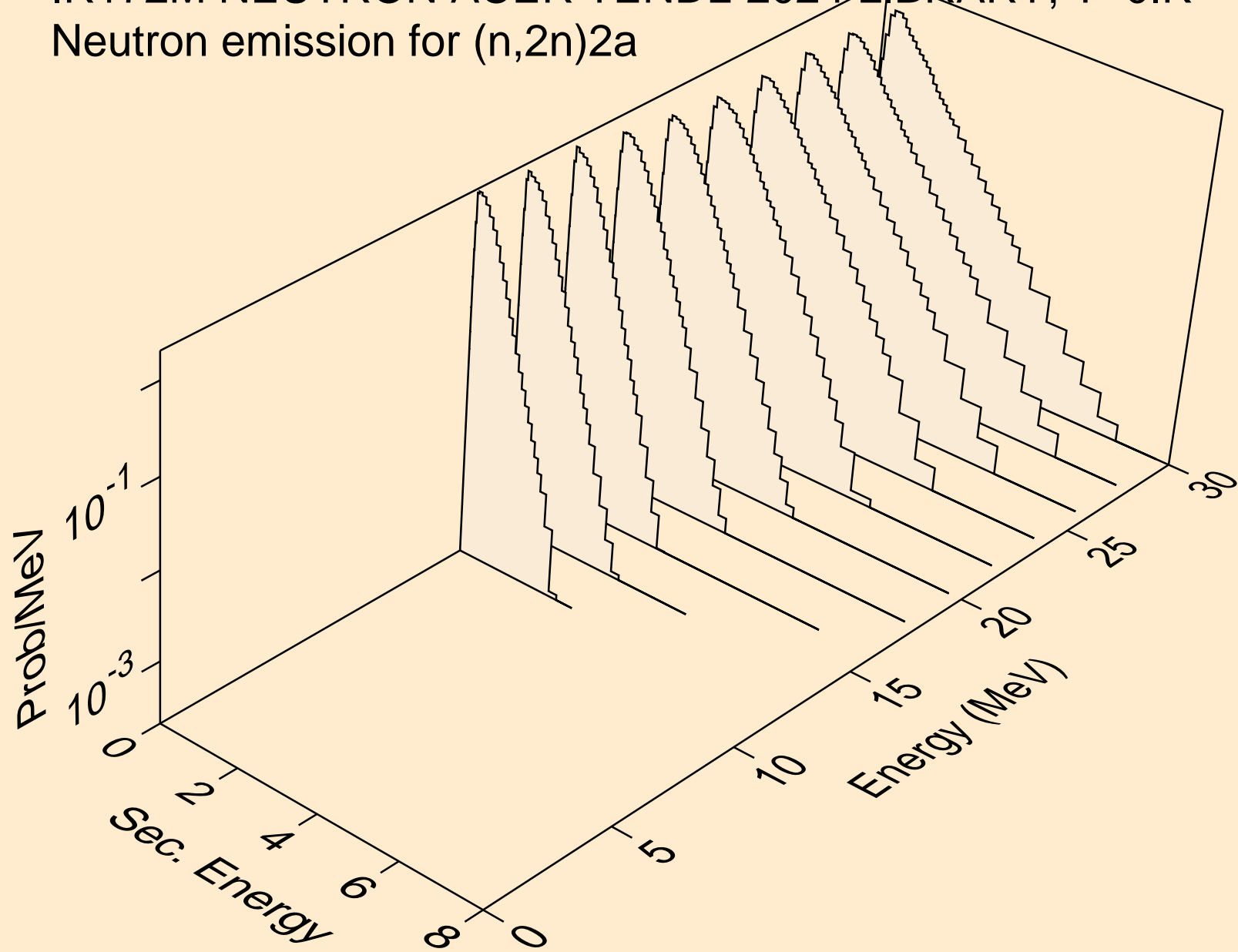
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Neutron emission for (n,n\*)p



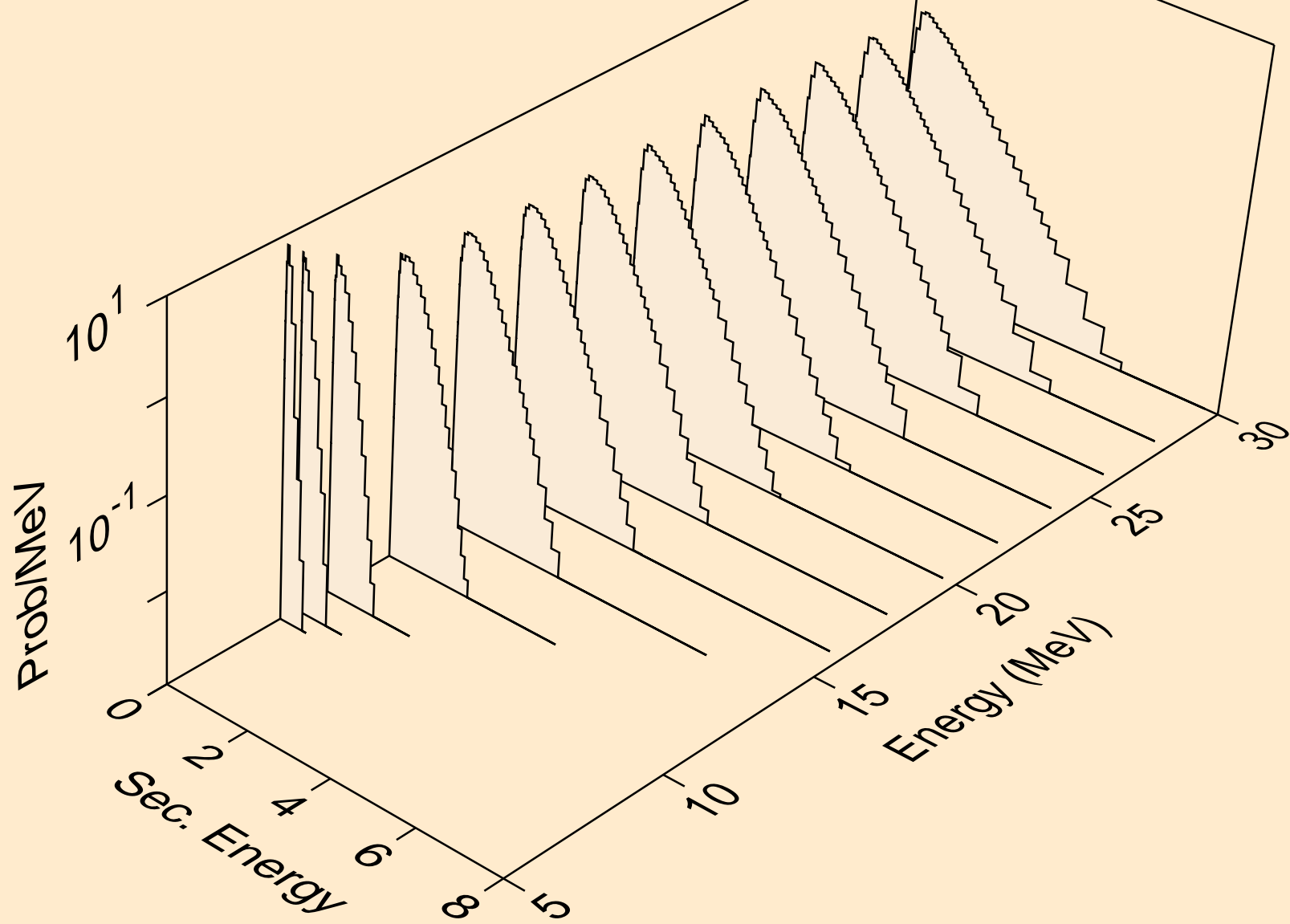
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Neutron emission for (n,n\*)2a



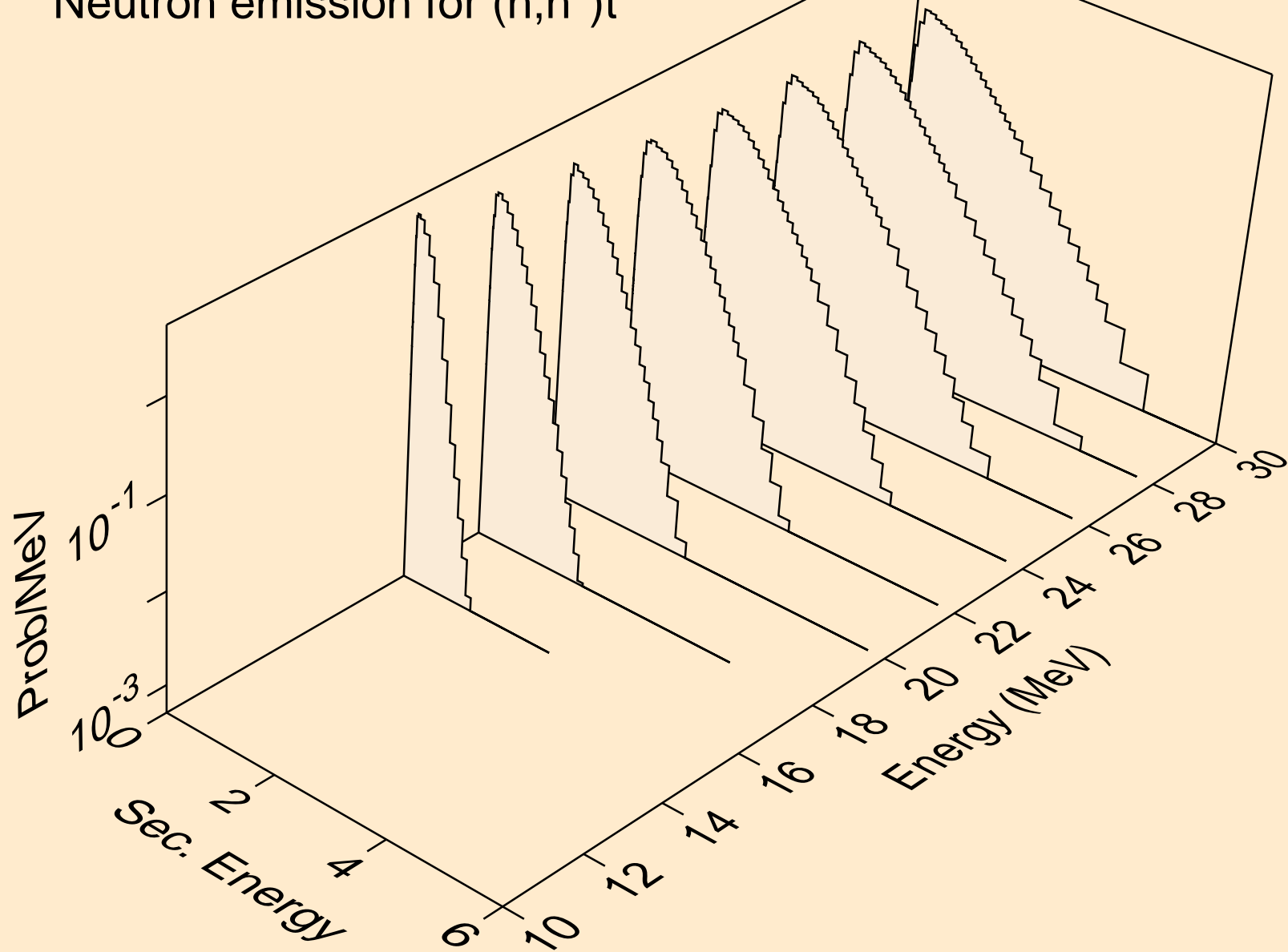
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Neutron emission for (n,2n)2a



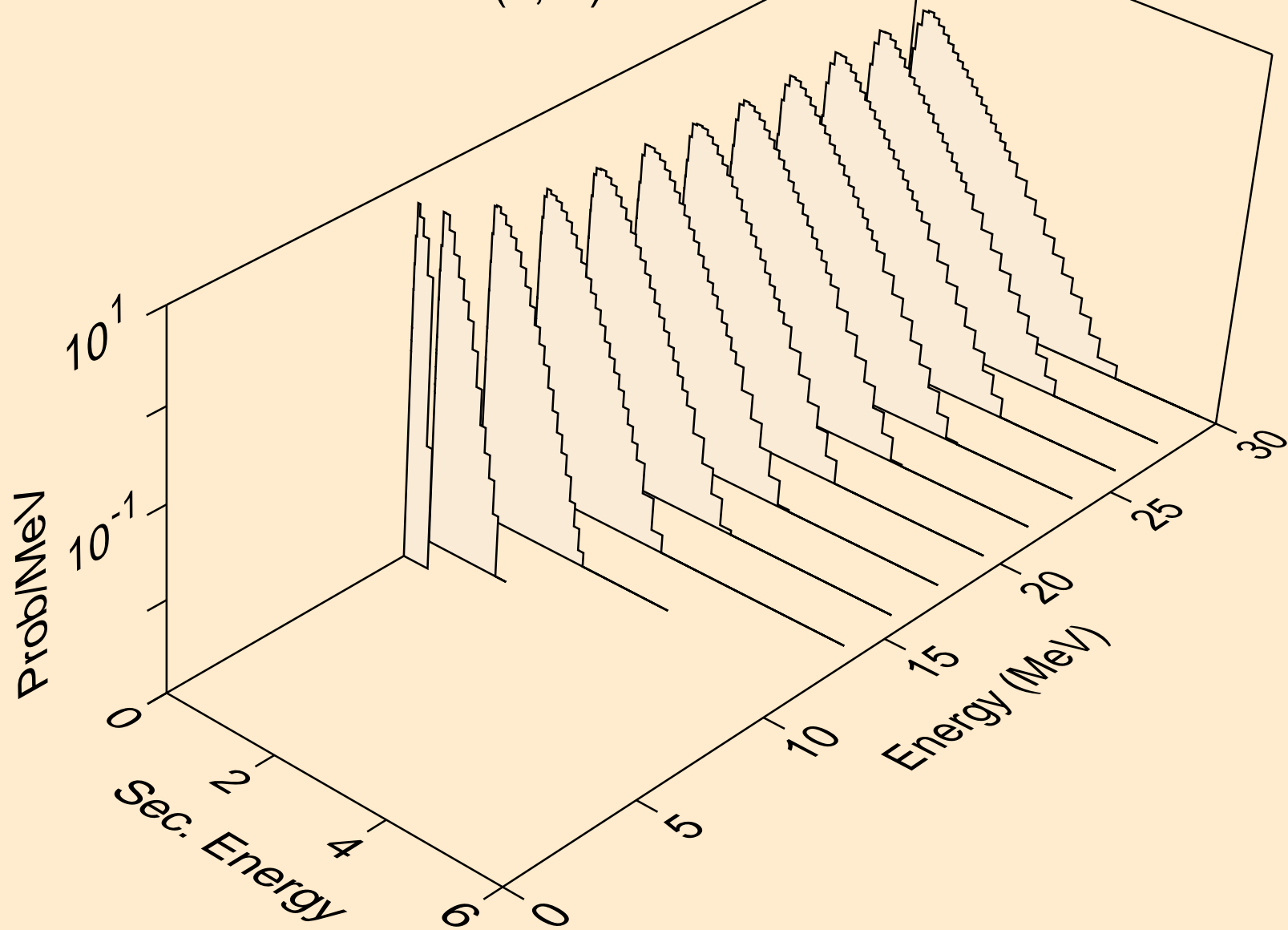
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



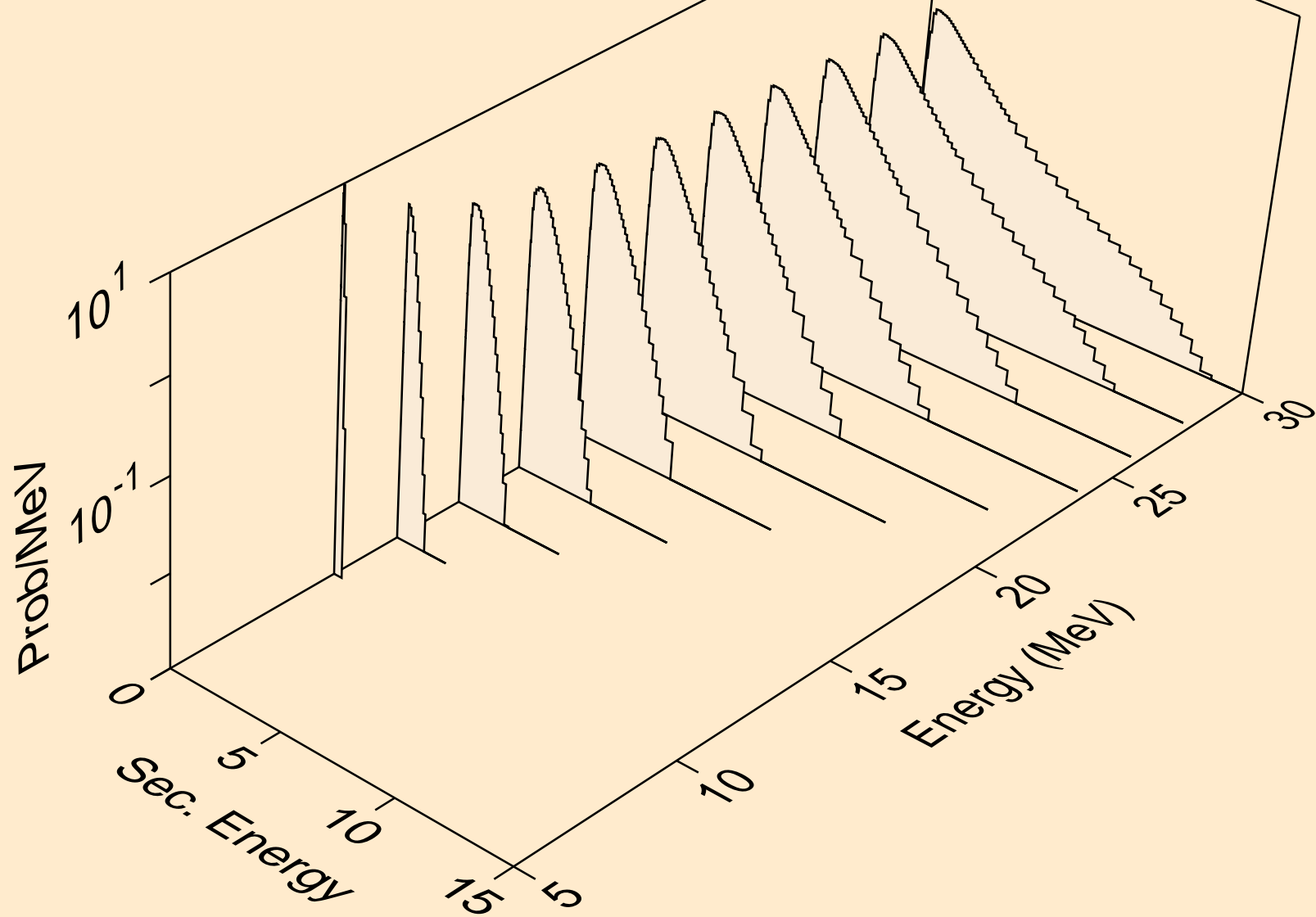
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

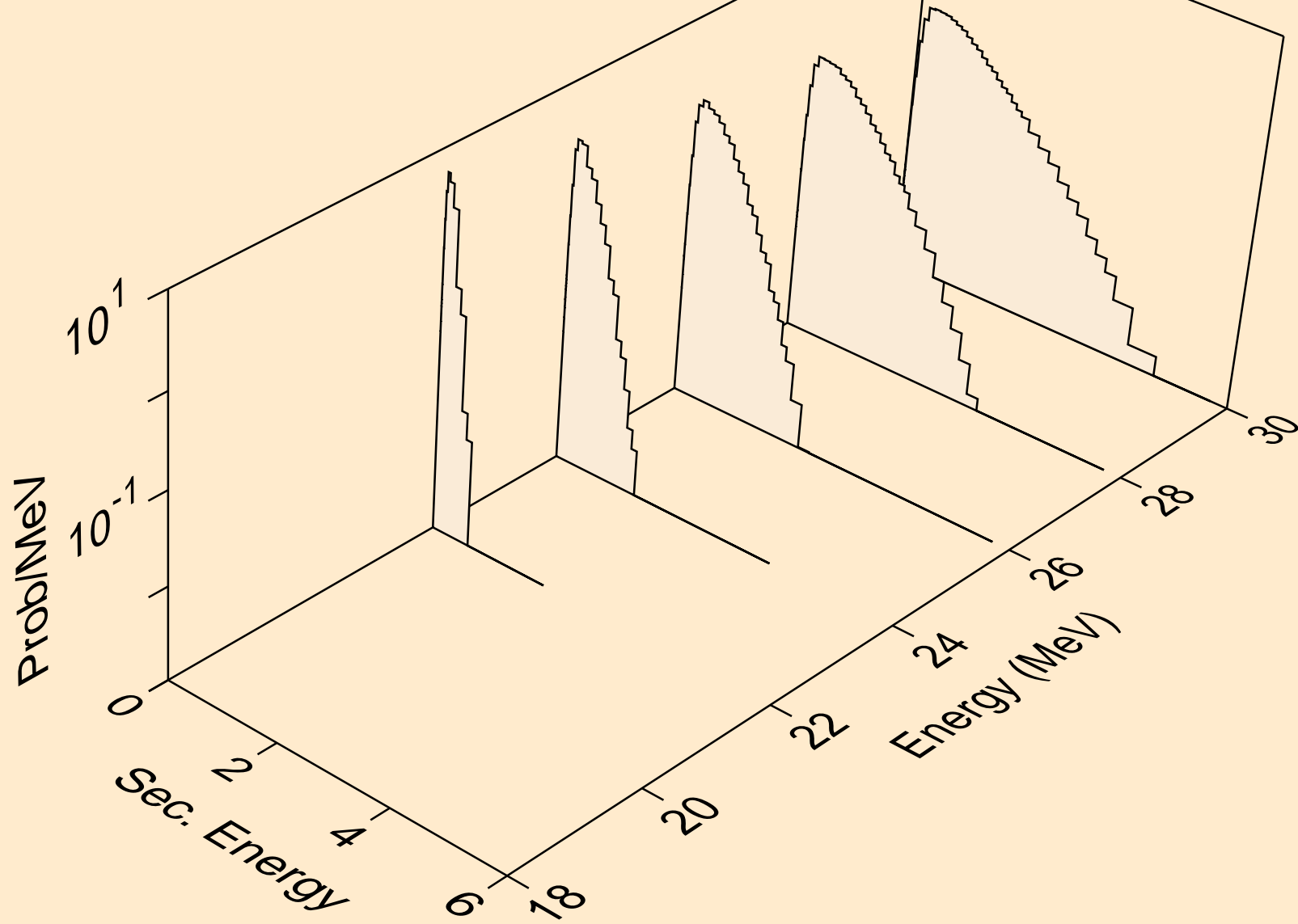


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Neutron emission for (n,2np)

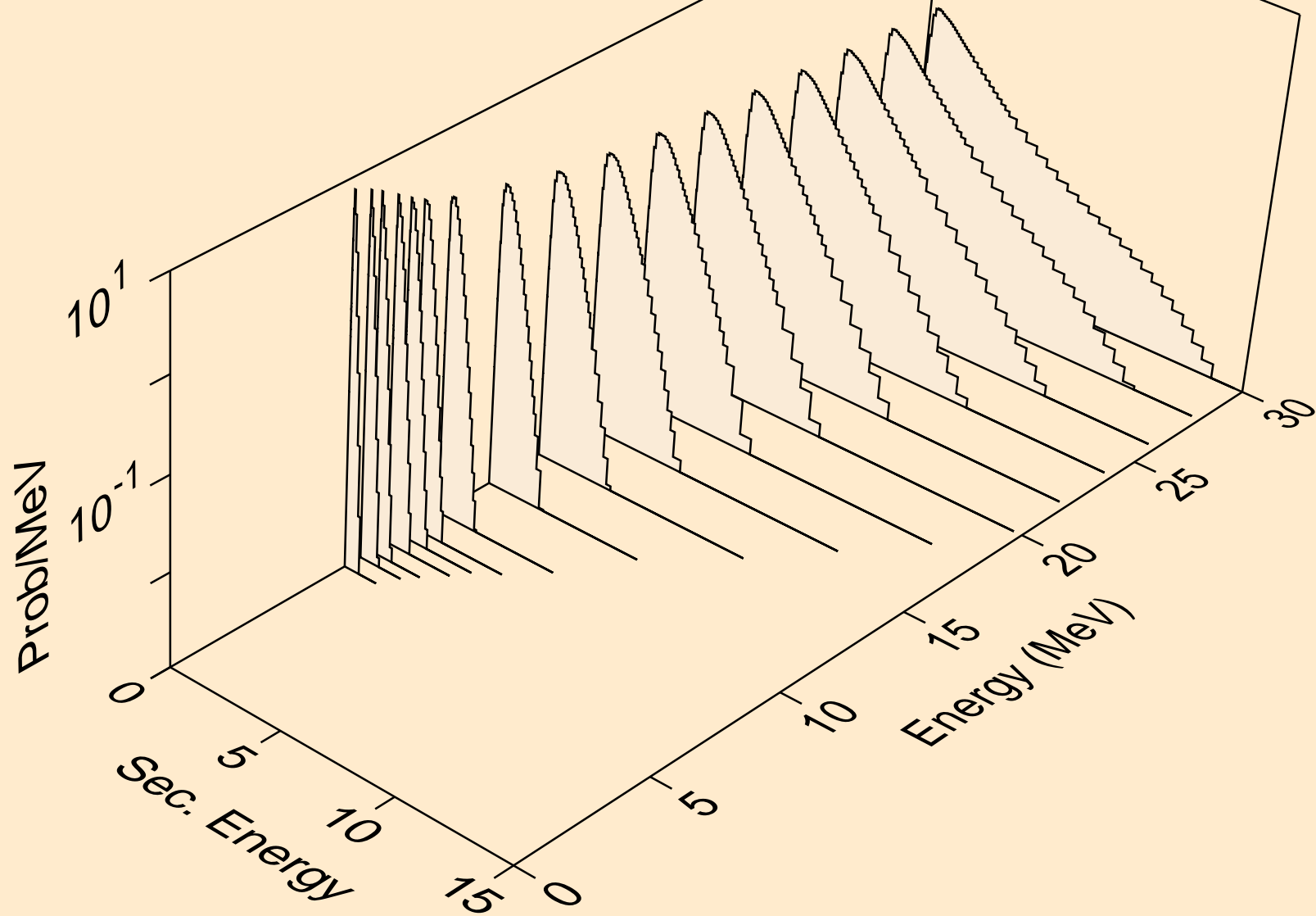




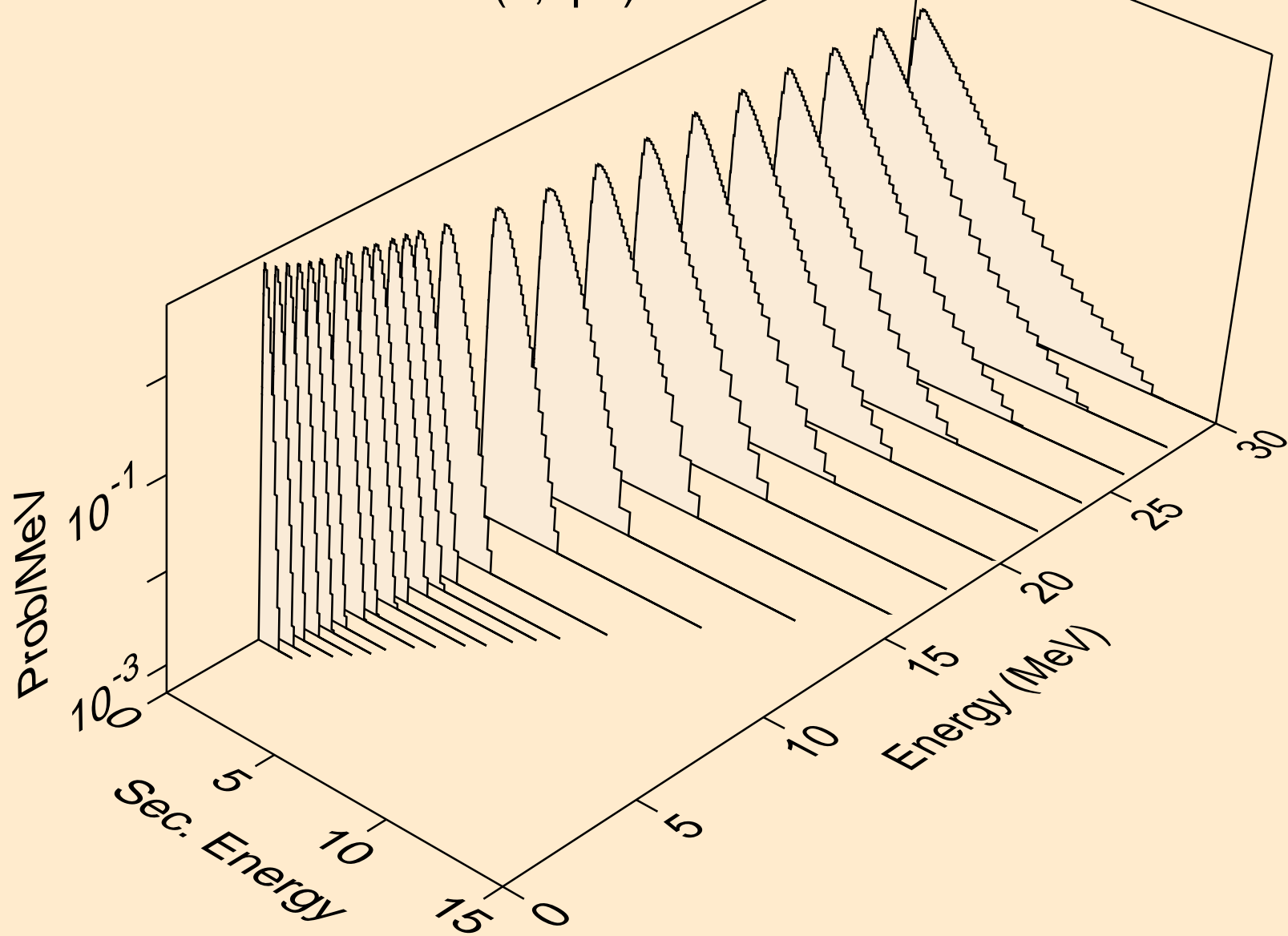
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Neutron emission for (n,3np)



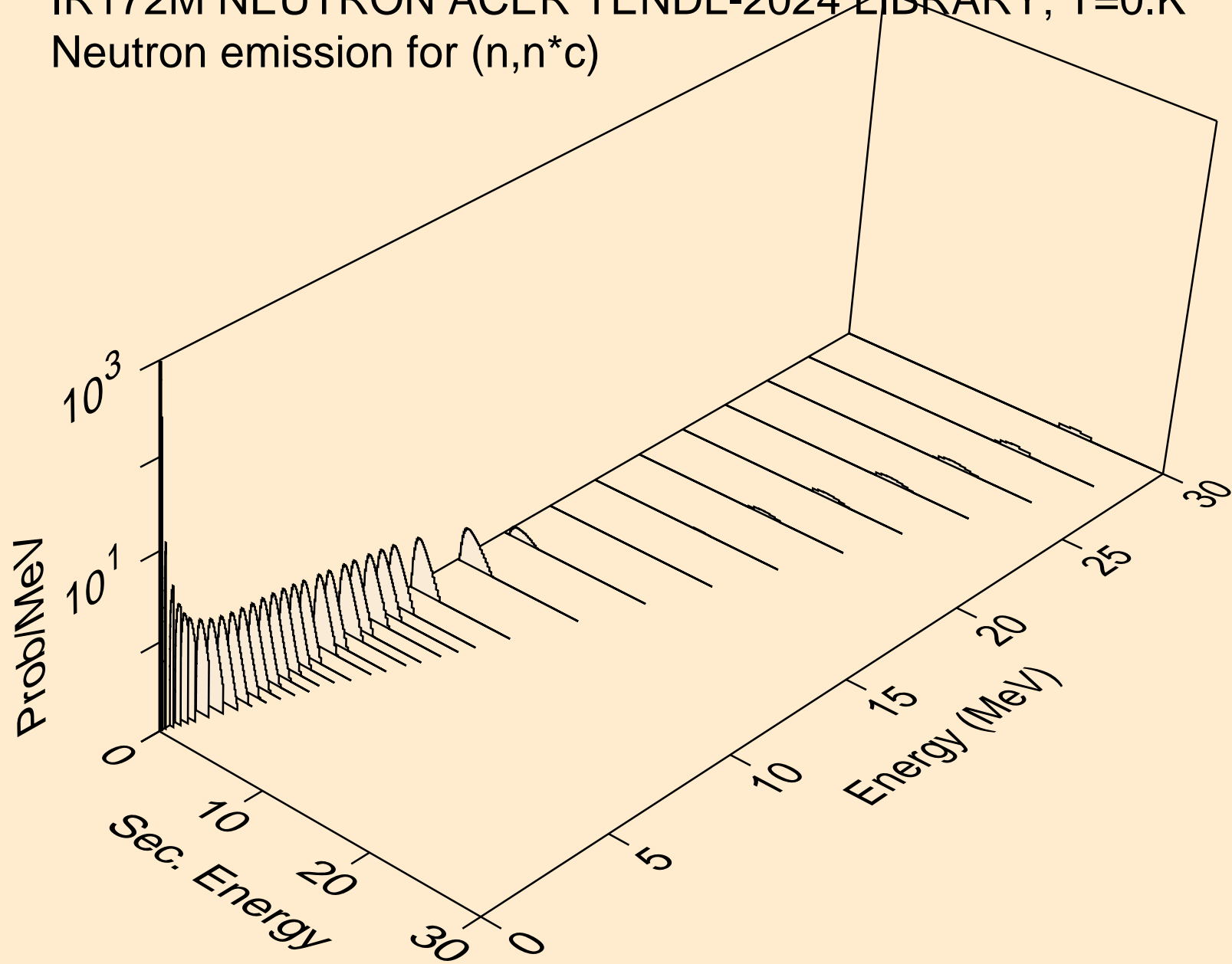
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Neutron emission for (n,n2p)



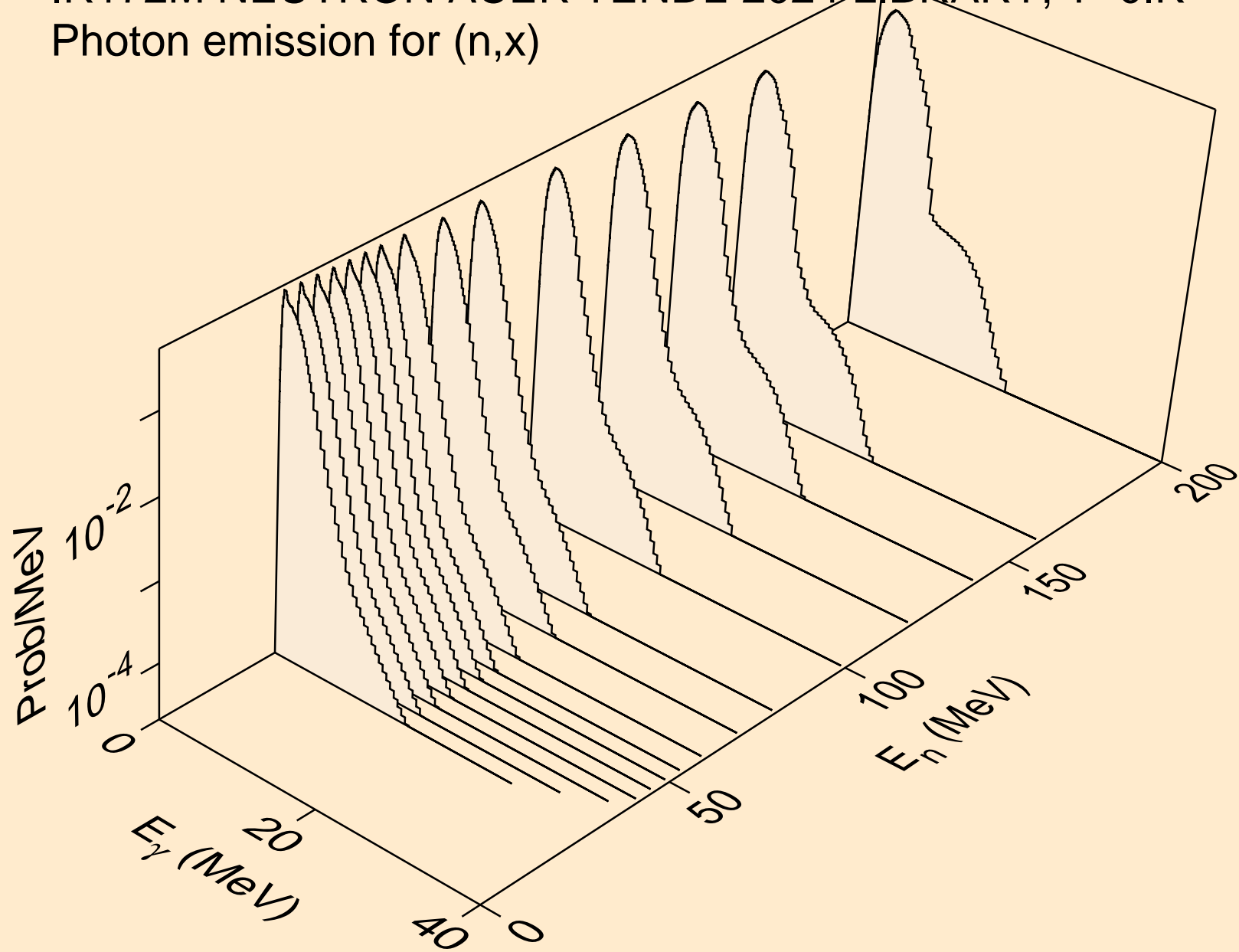
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Neutron emission for (n,npa)



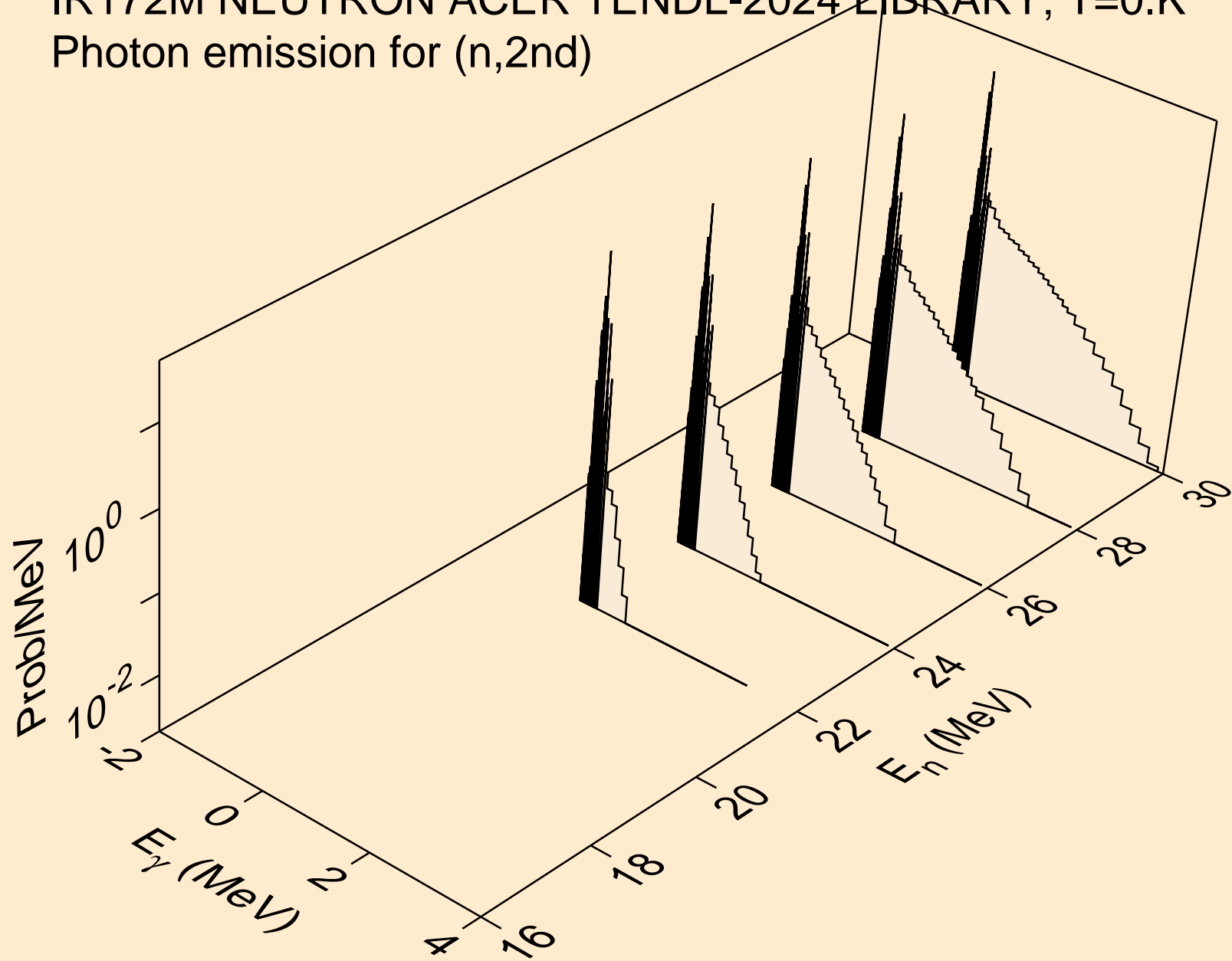
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Neutron emission for (n,n\*c)



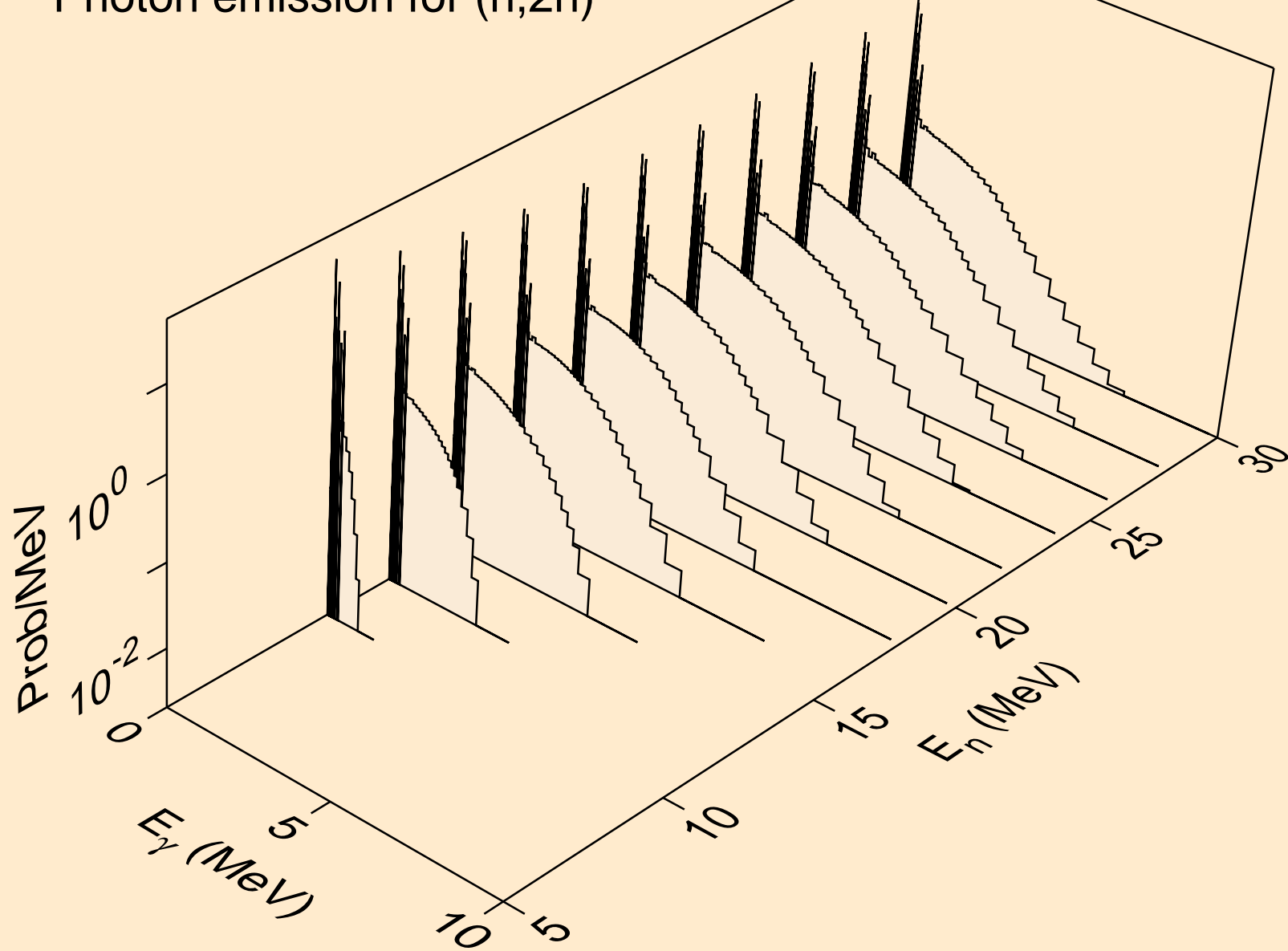
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Photon emission for (n,x)



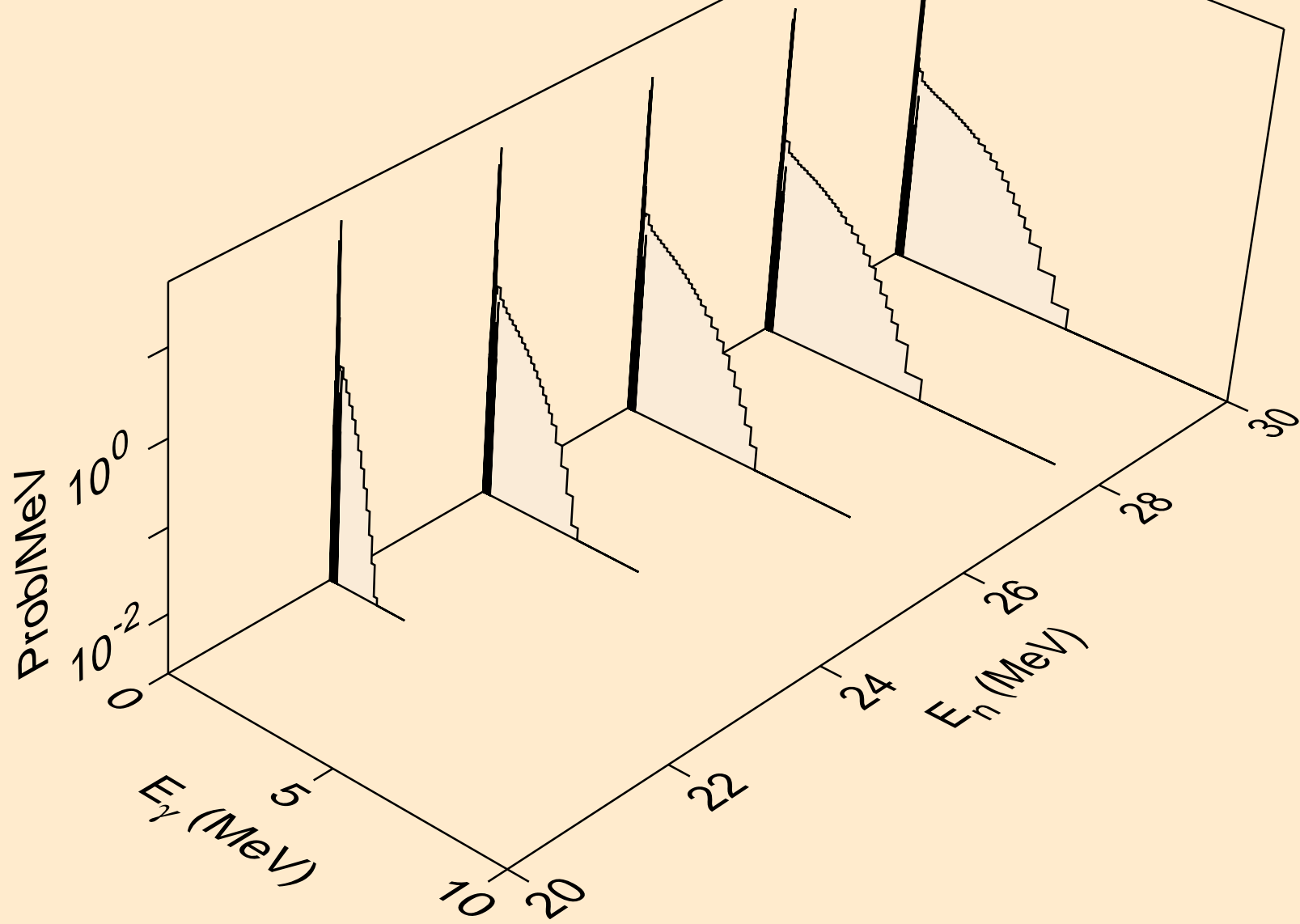
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2nd)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)

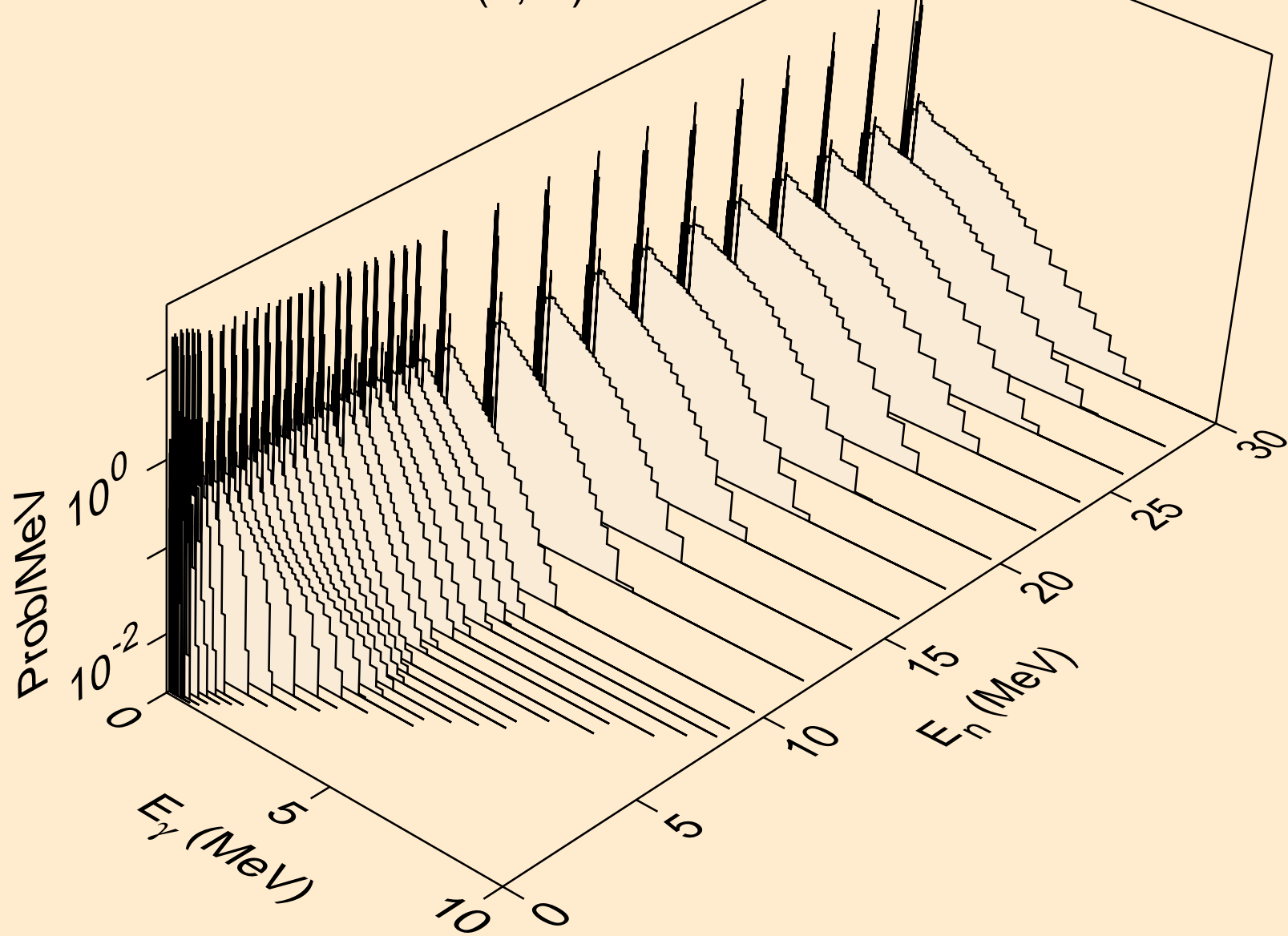


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Photon emission for (n,3n)

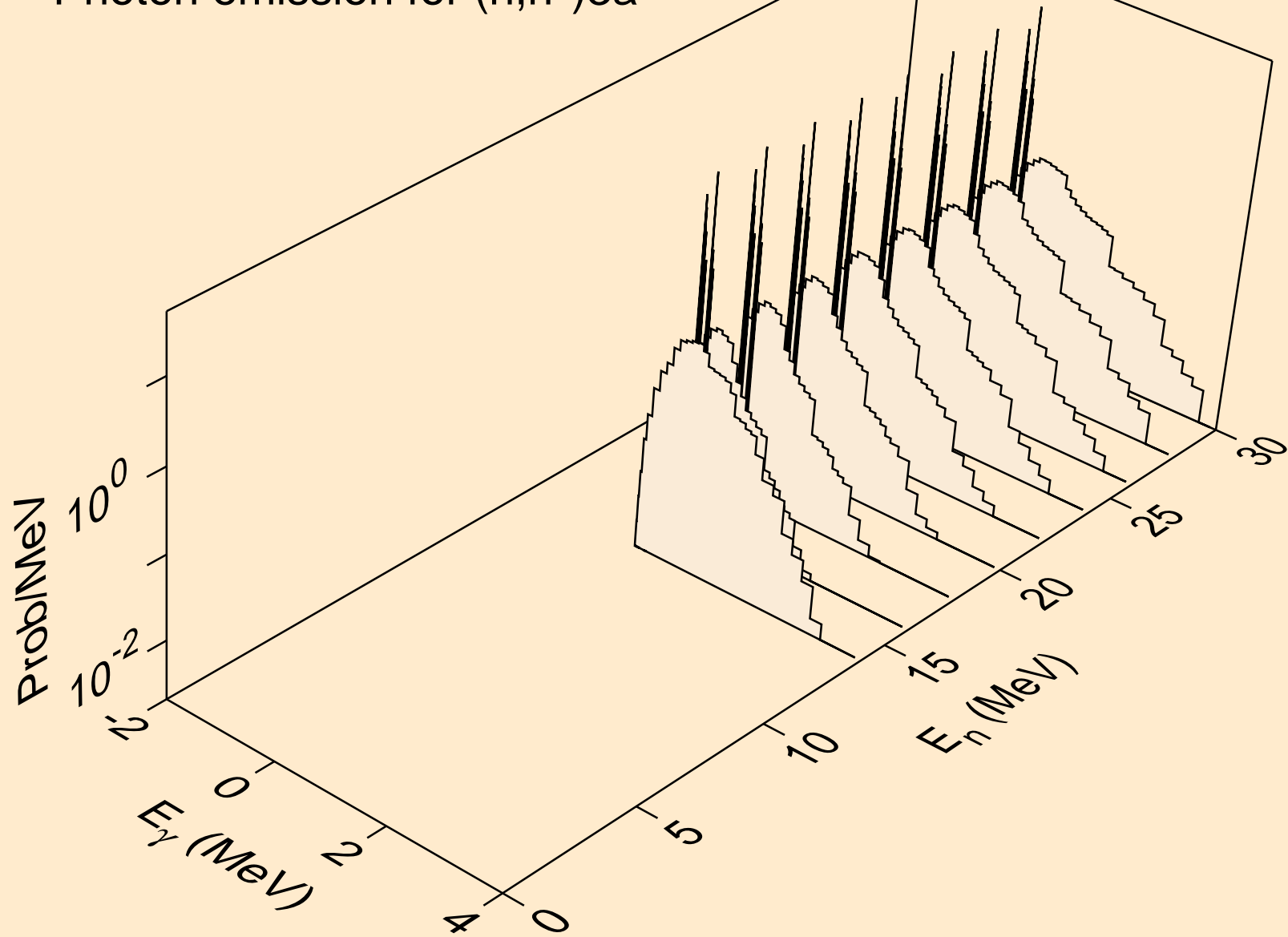




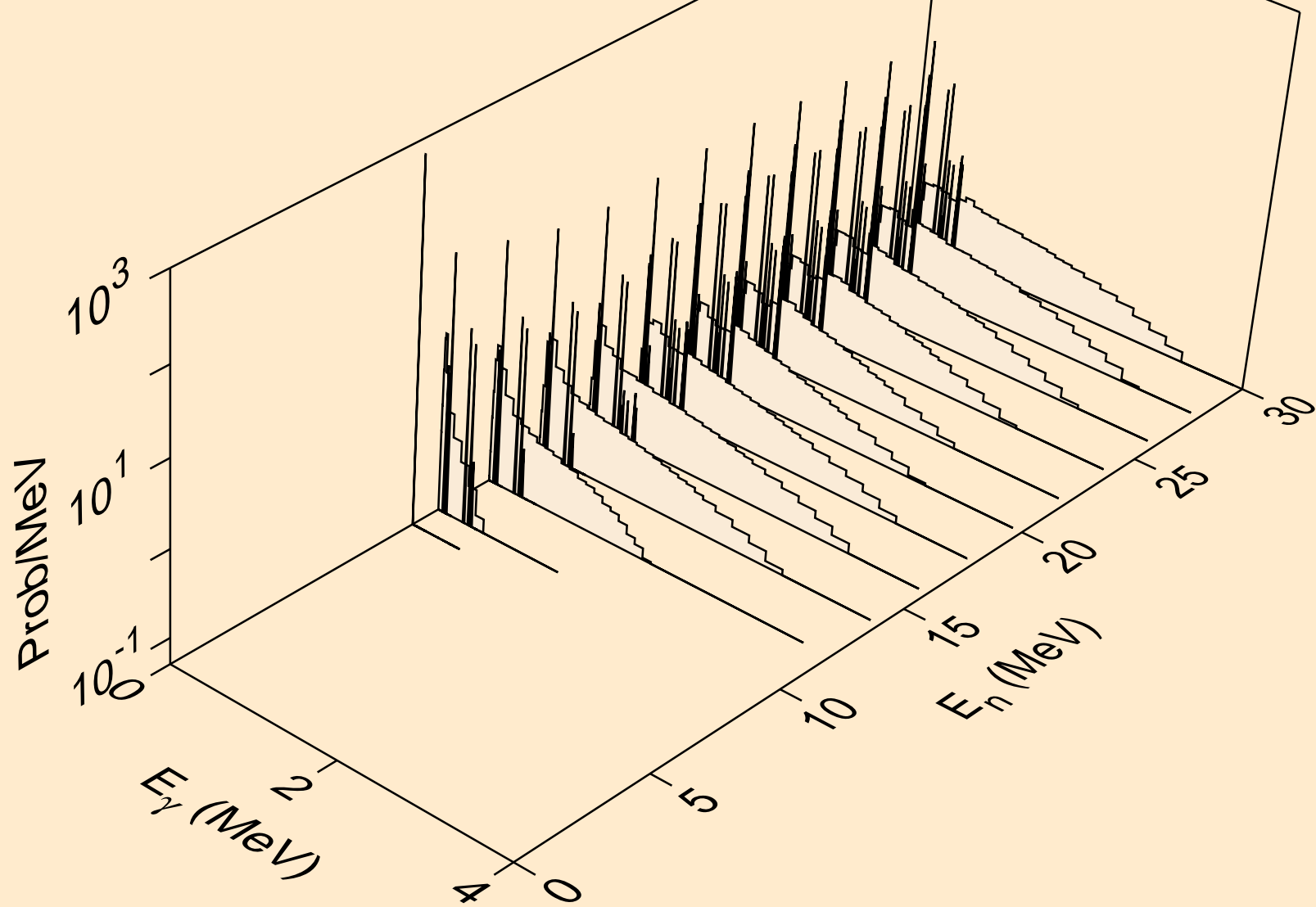
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Photon emission for (n,n\*)a



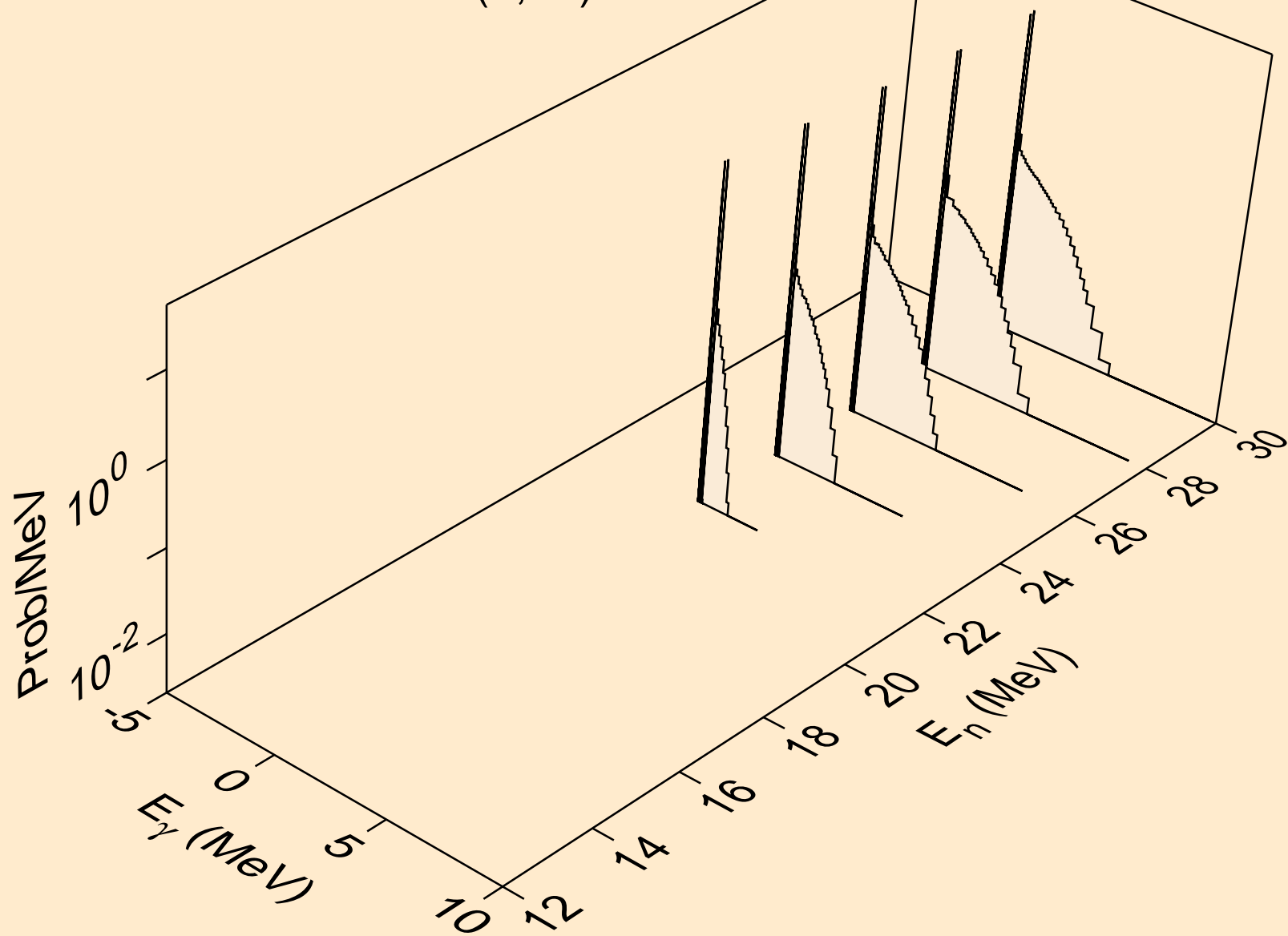
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Photon emission for (n,n\*)3a



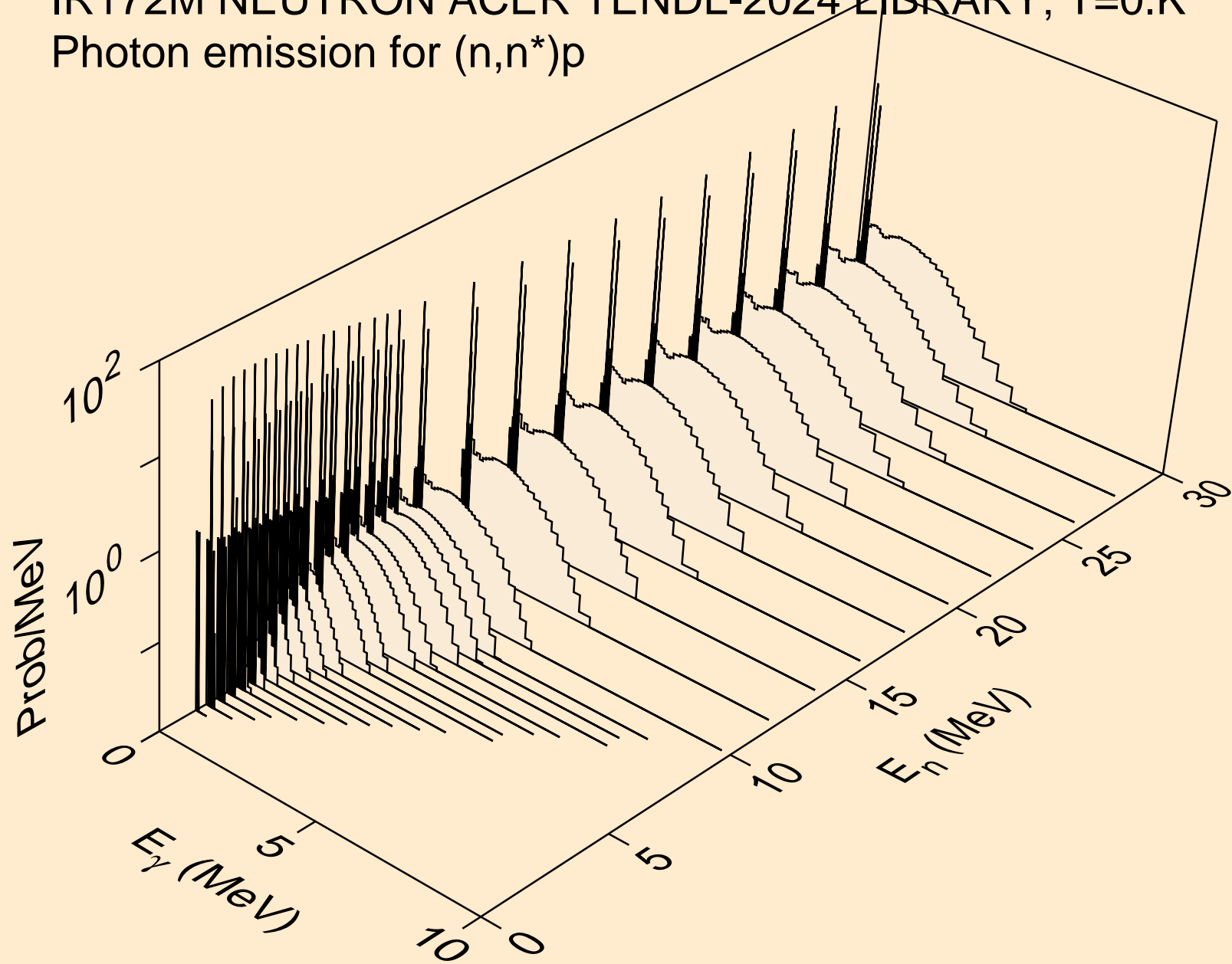
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Photon emission for (n,2n)a



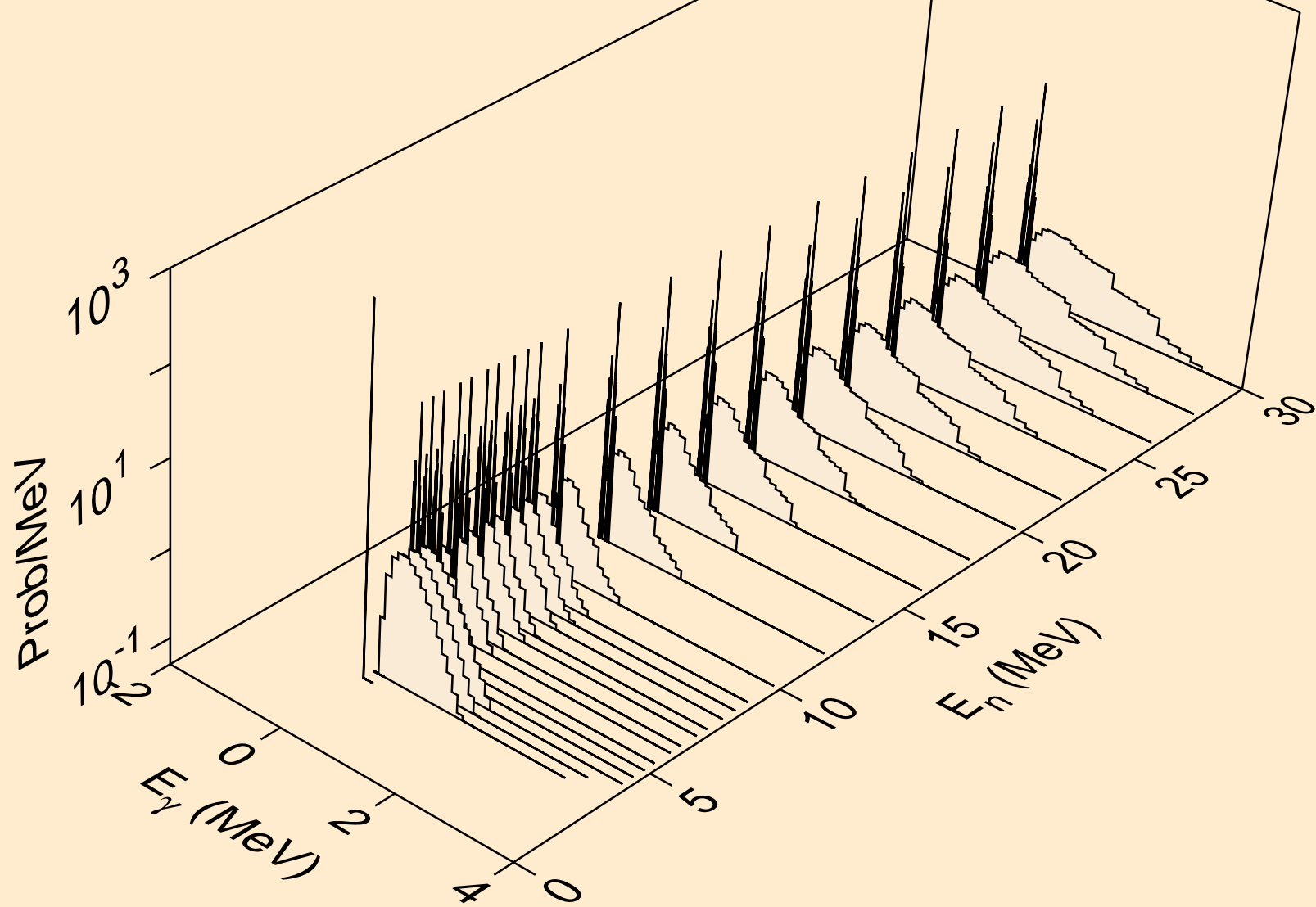
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Photon emission for (n,3n)a



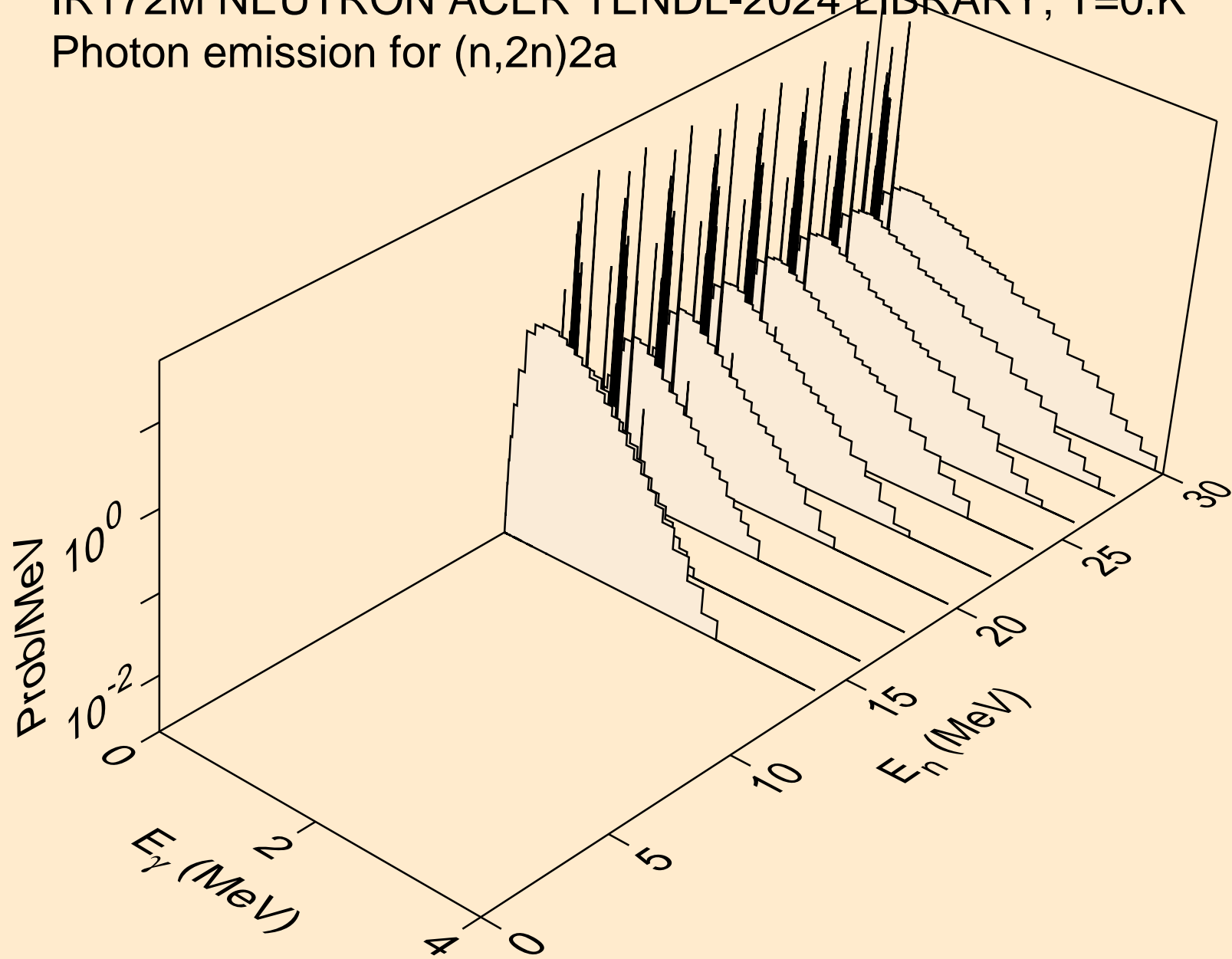
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



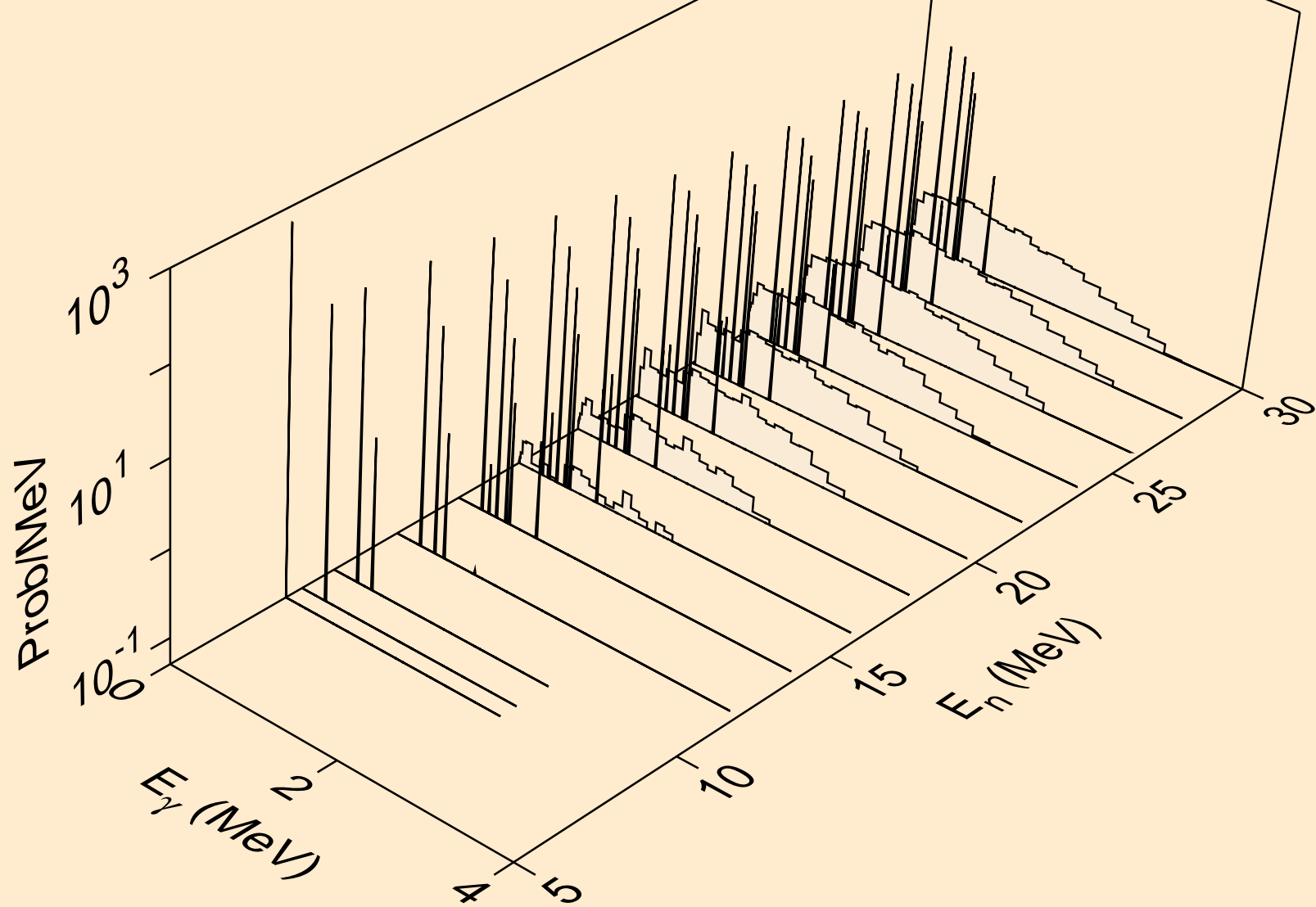
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)2a



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2n)2a

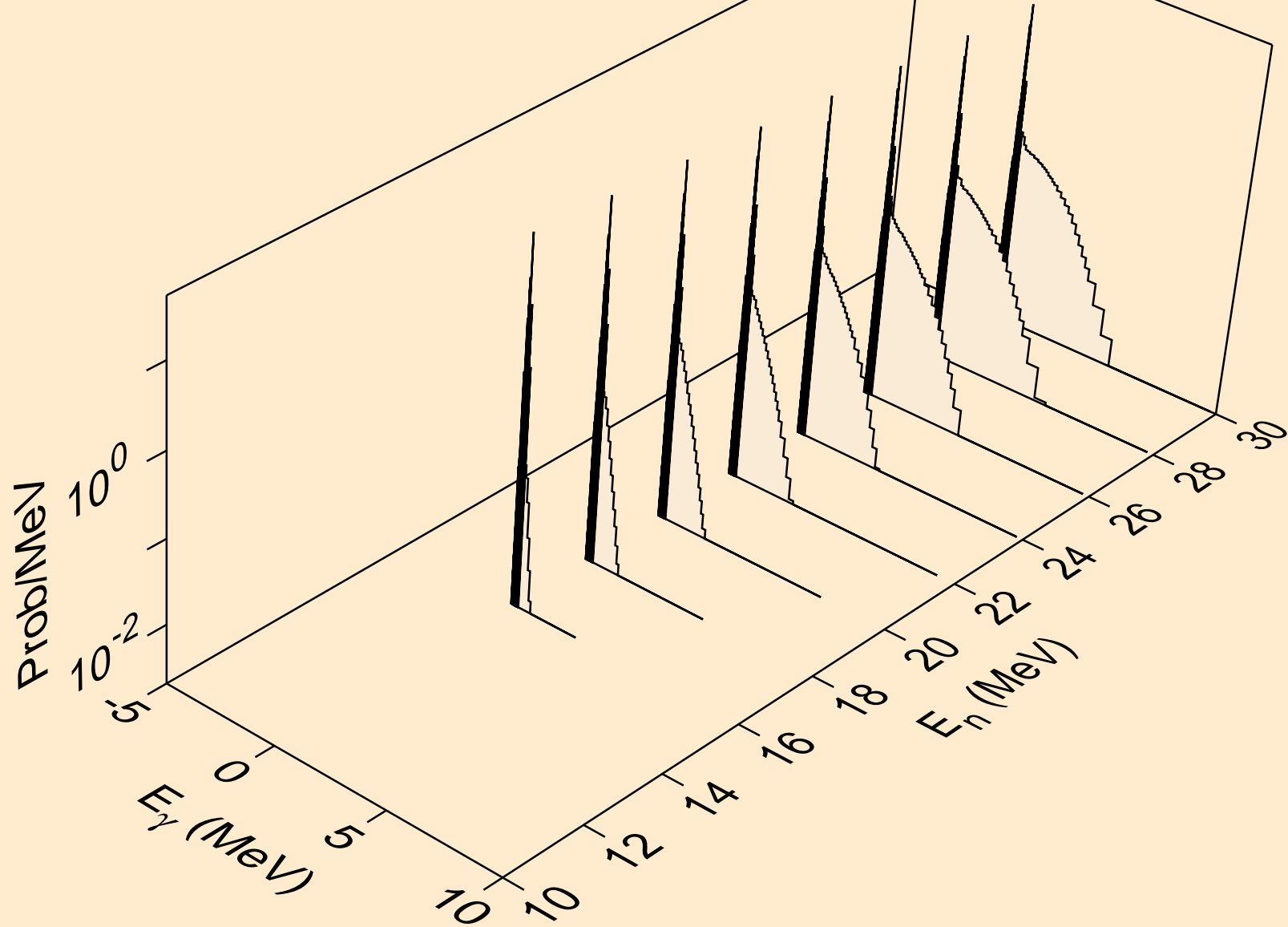


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)d

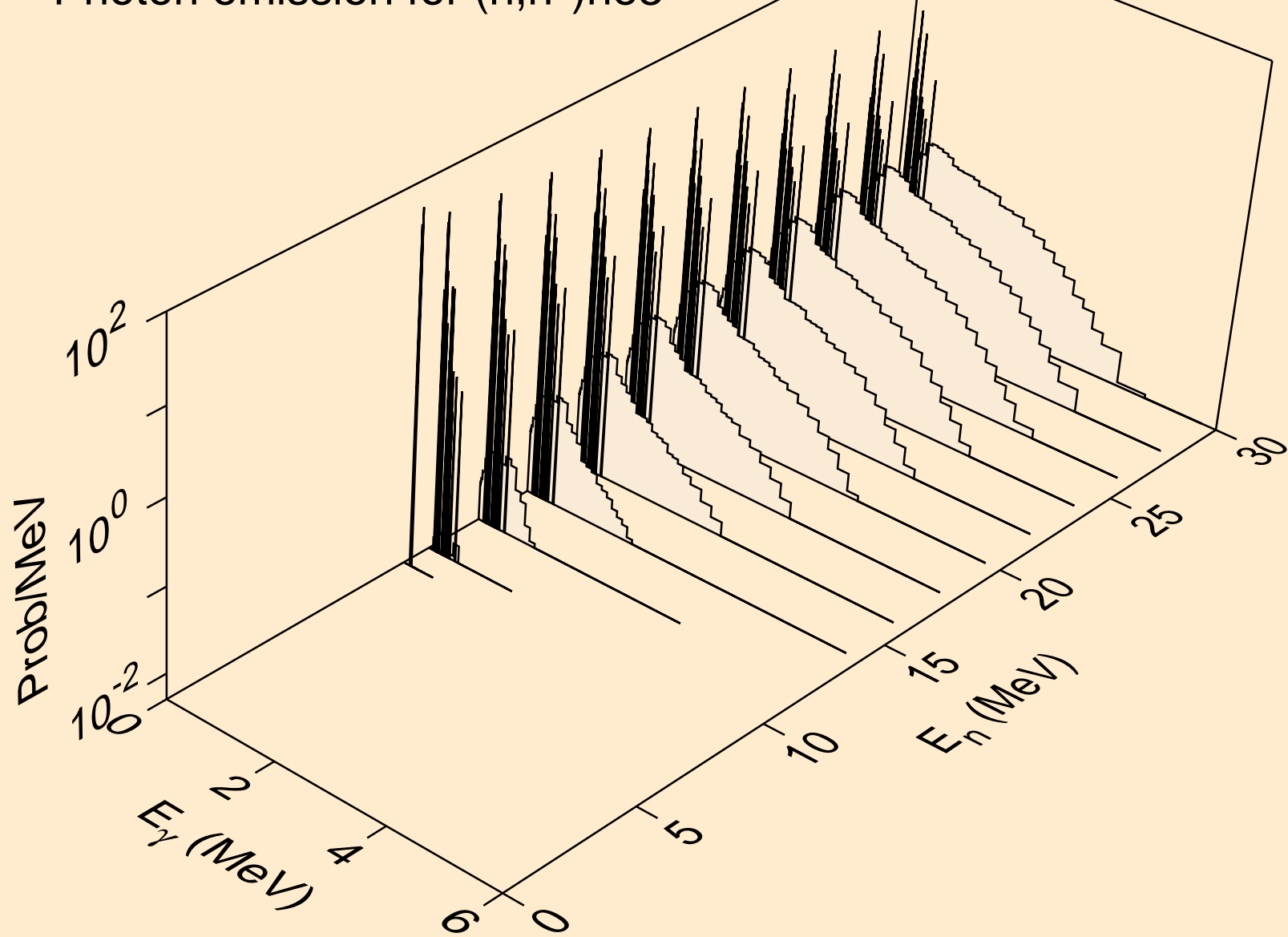




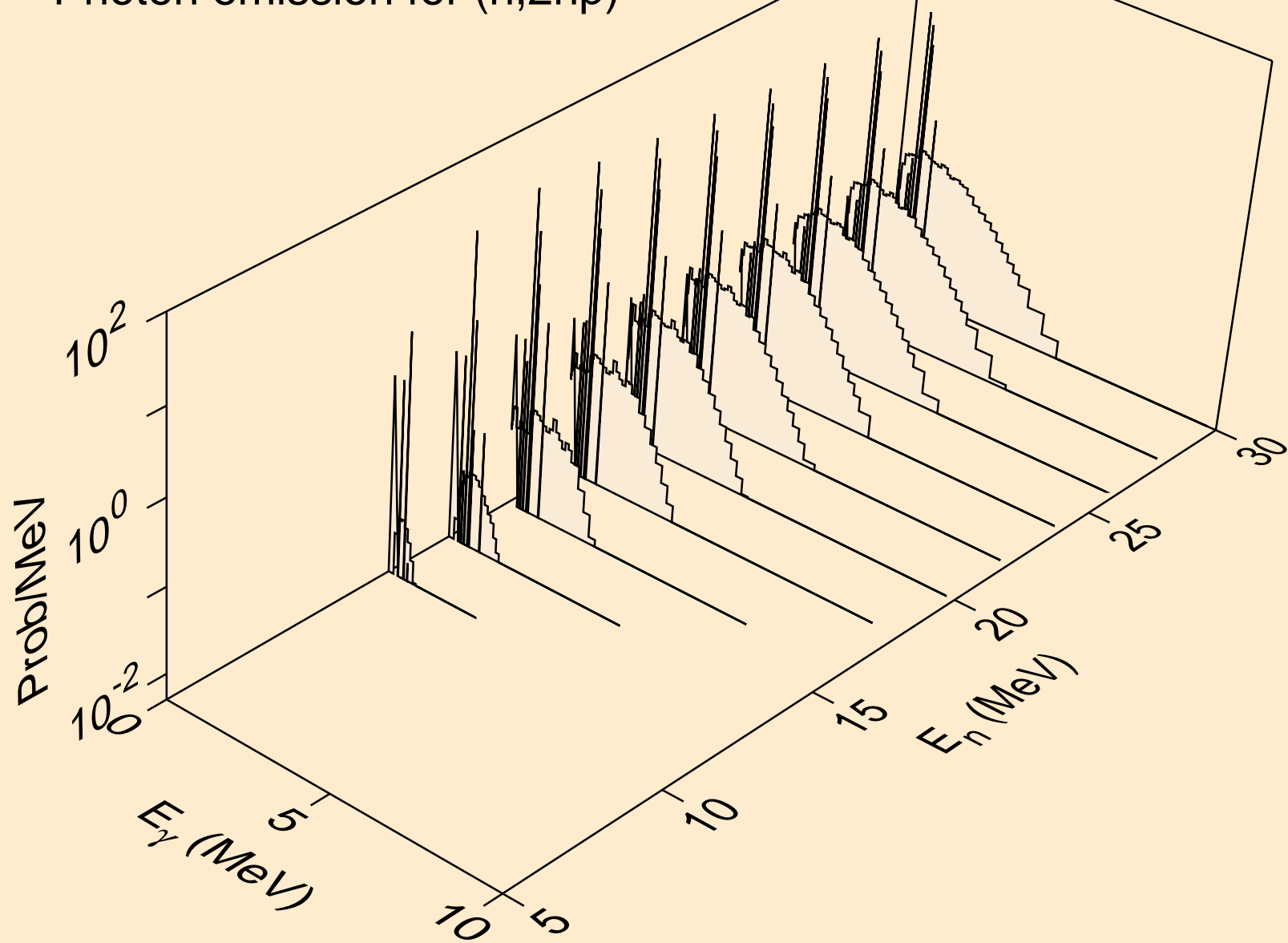
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)t



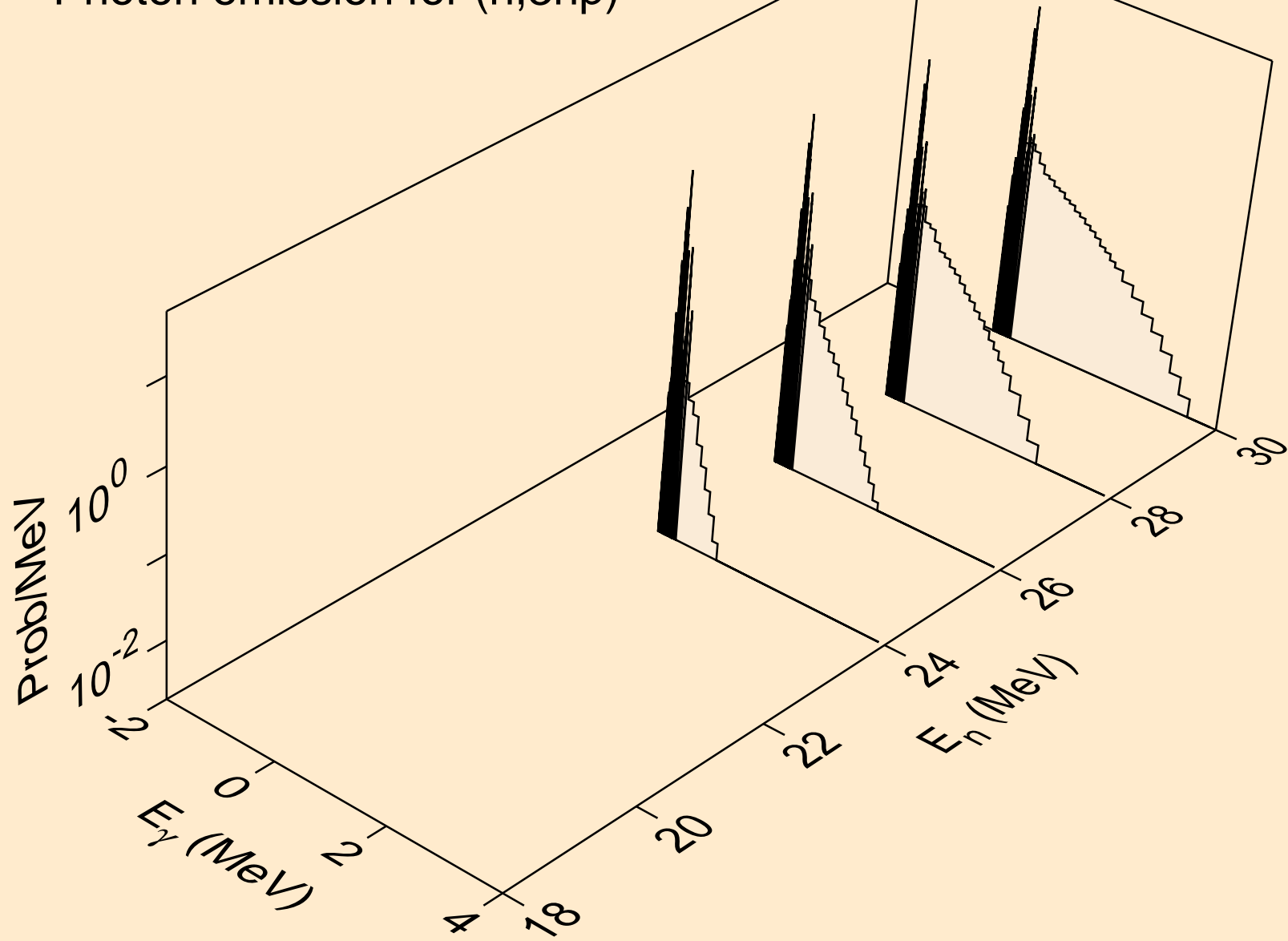
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3



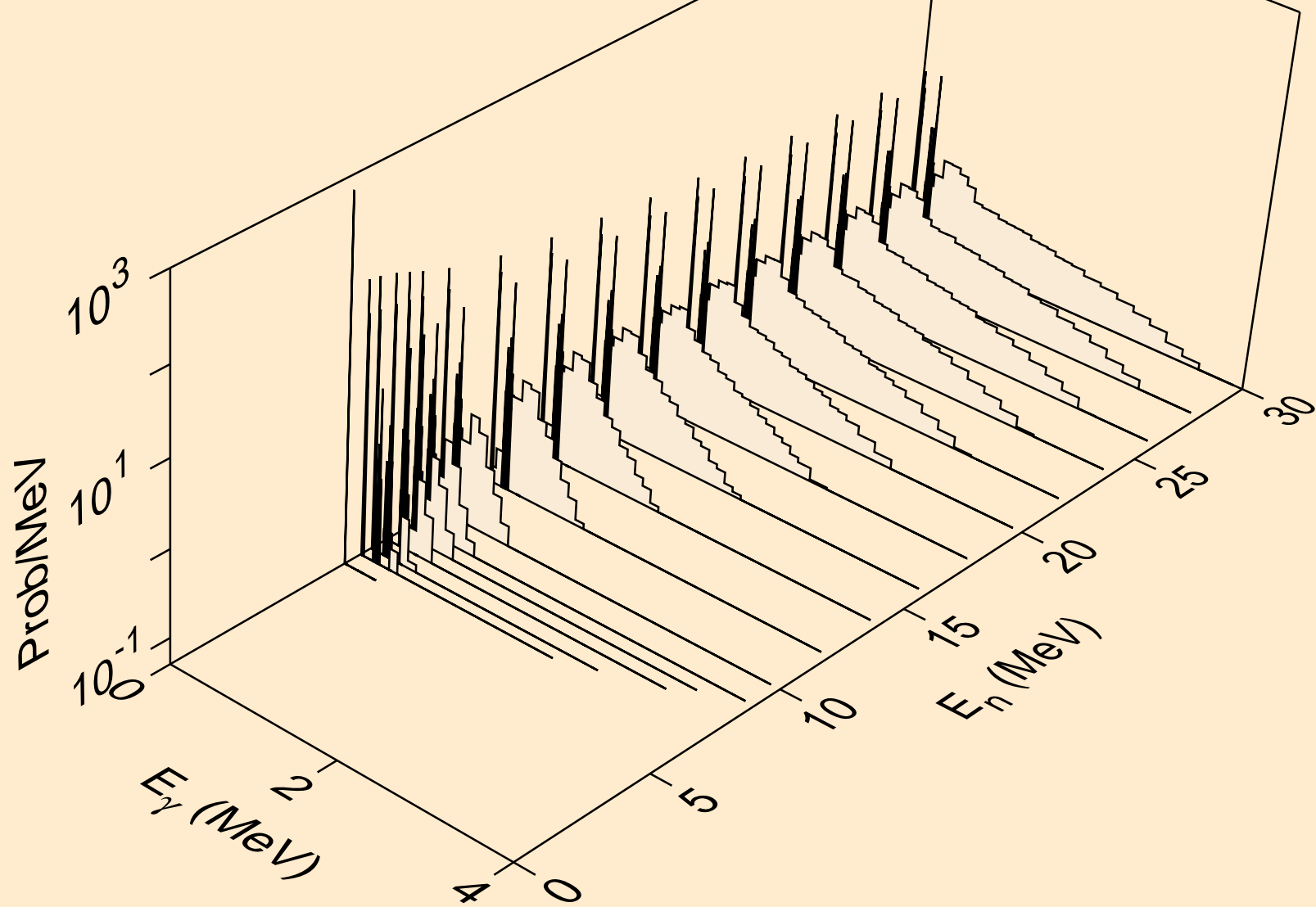
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2np)



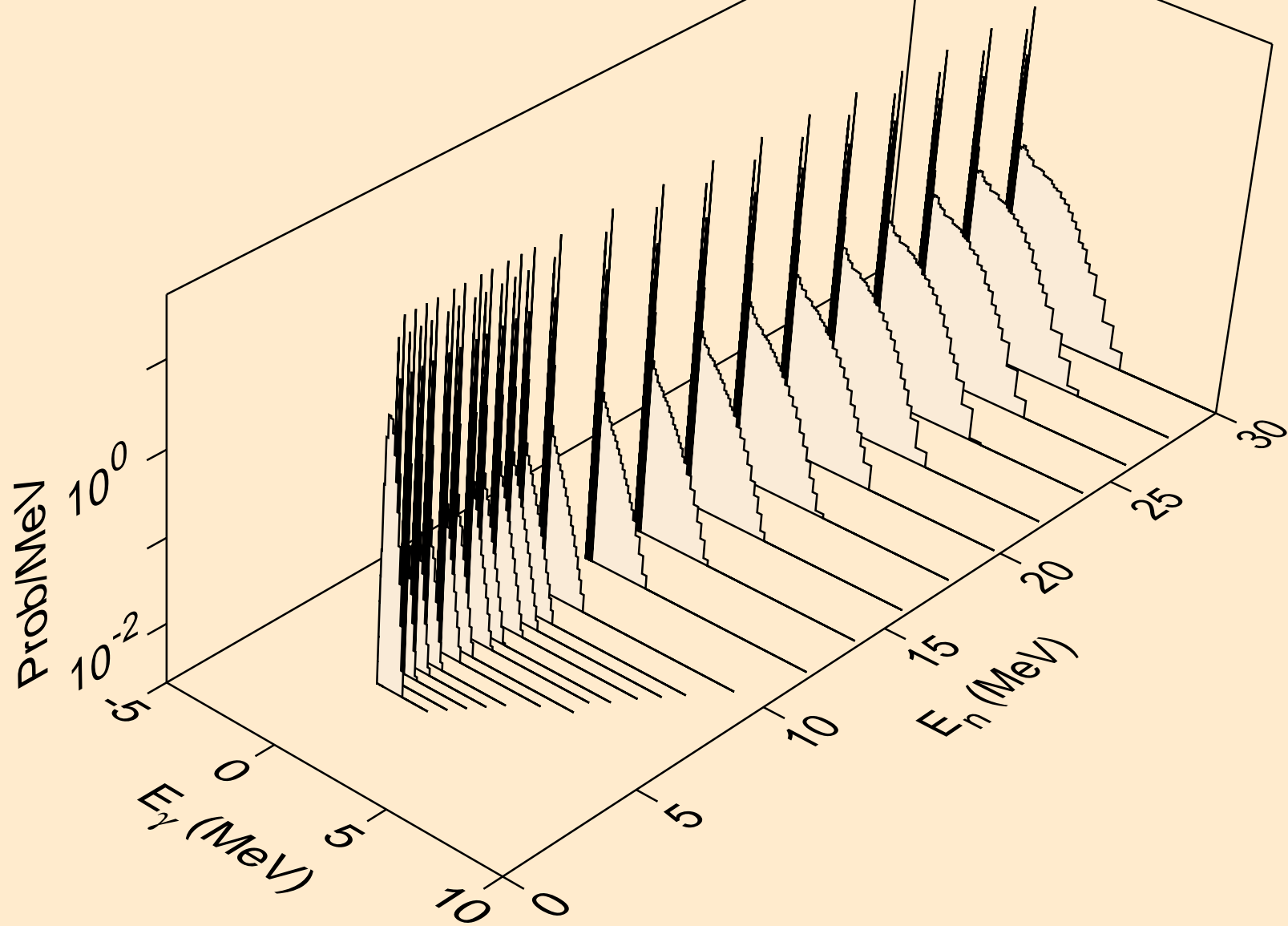
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Photon emission for (n,3np)



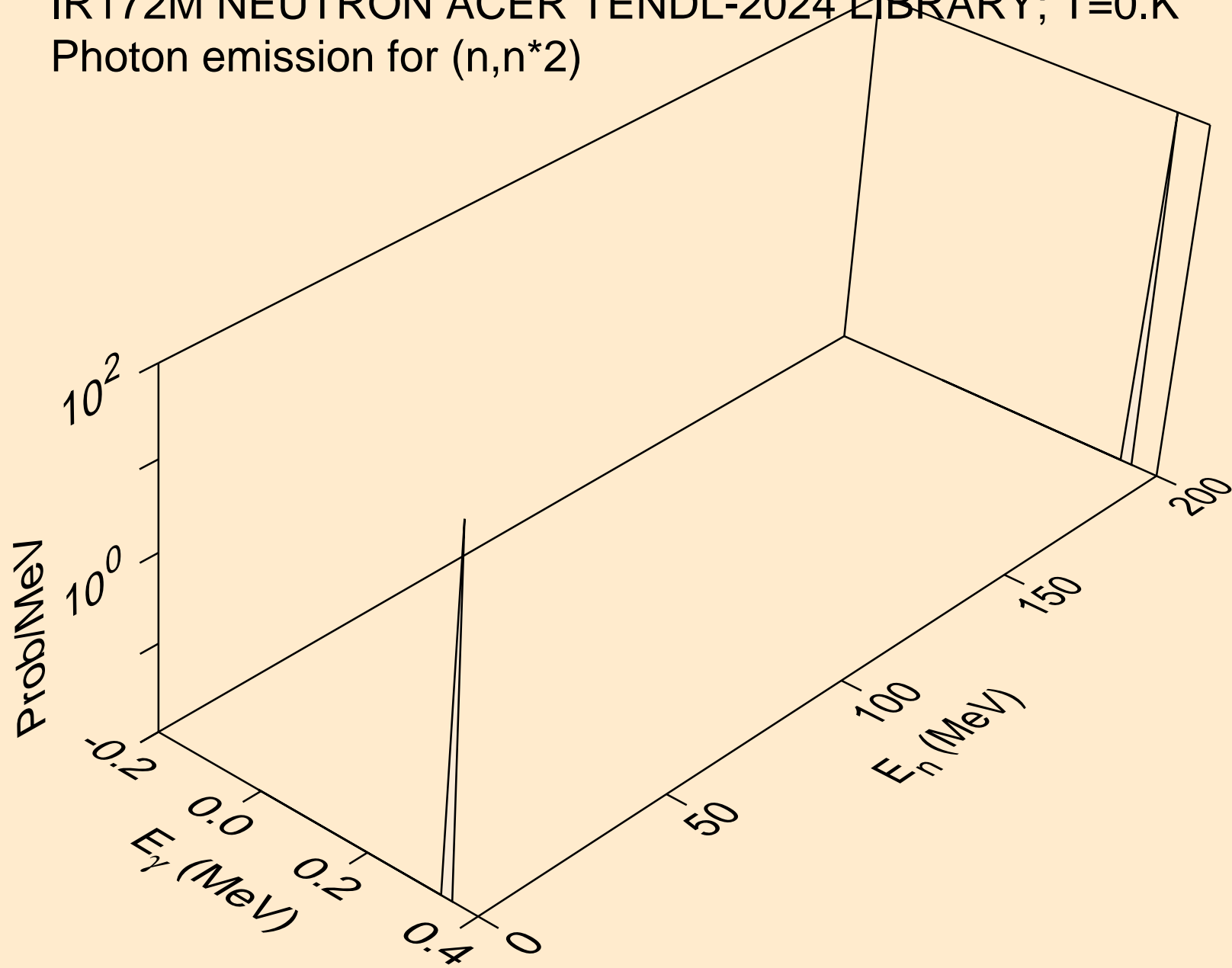
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Photon emission for (n,n2p)



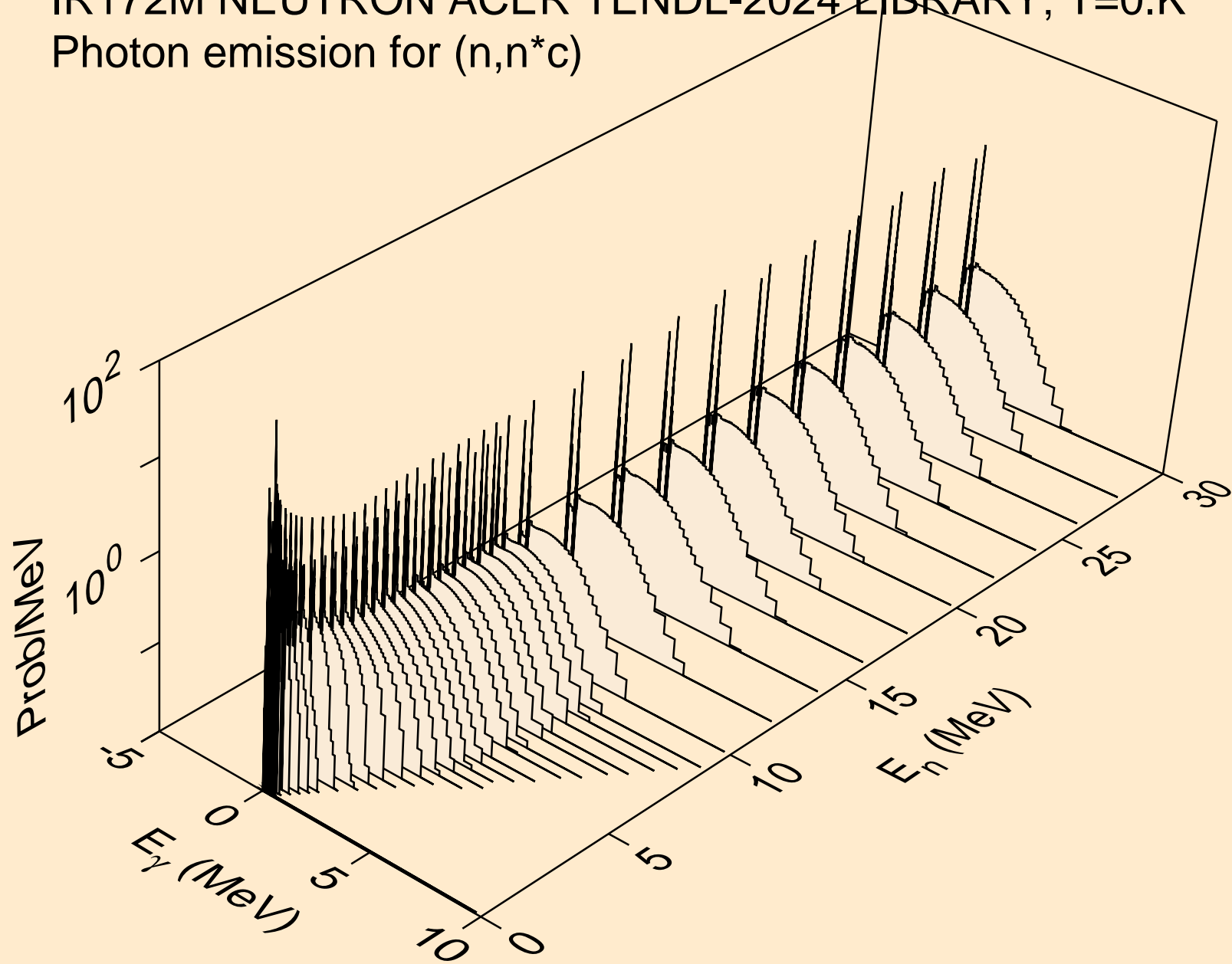
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,npa)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,n\*2)

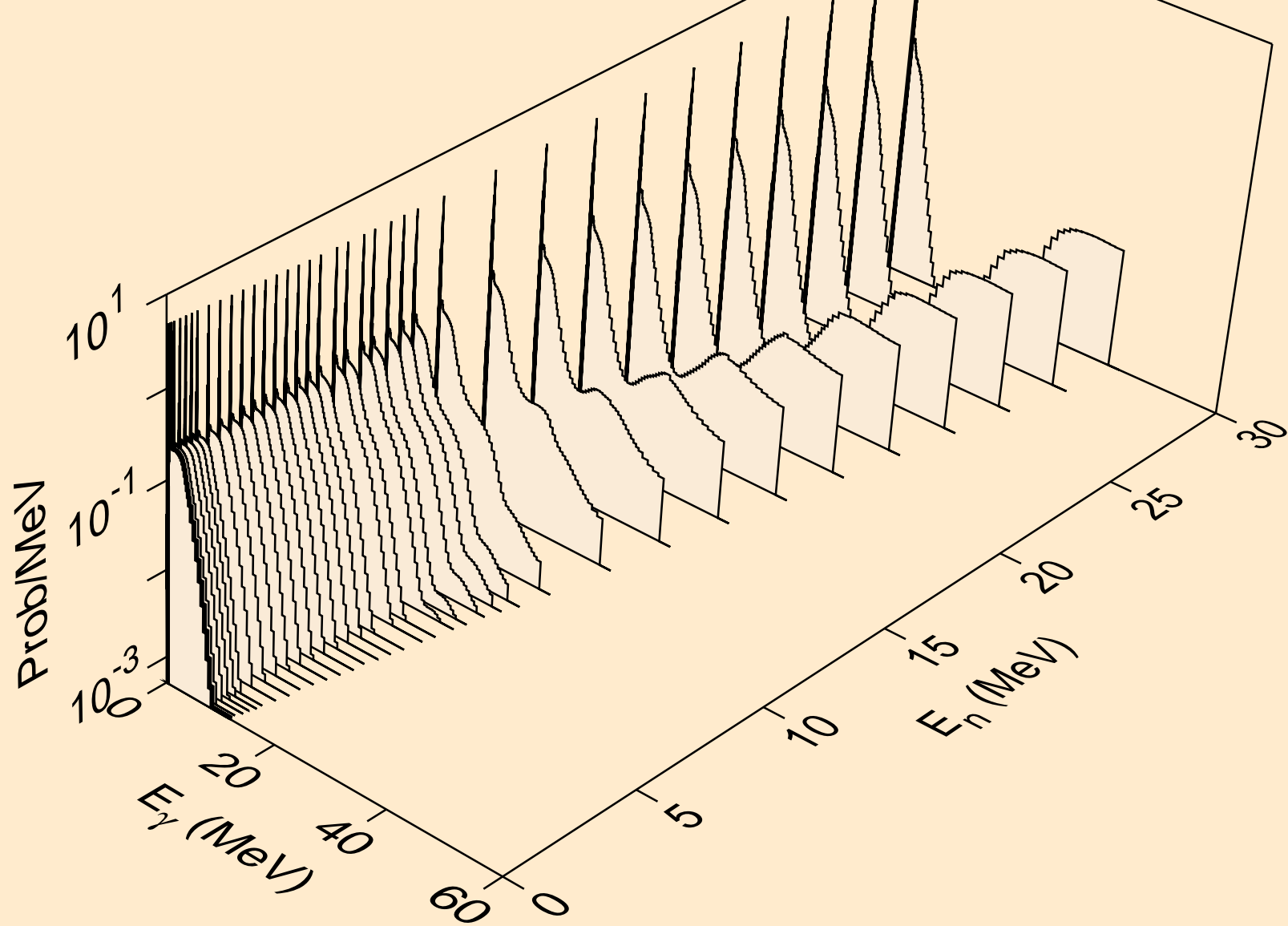


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Photon emission for (n,n\*c)

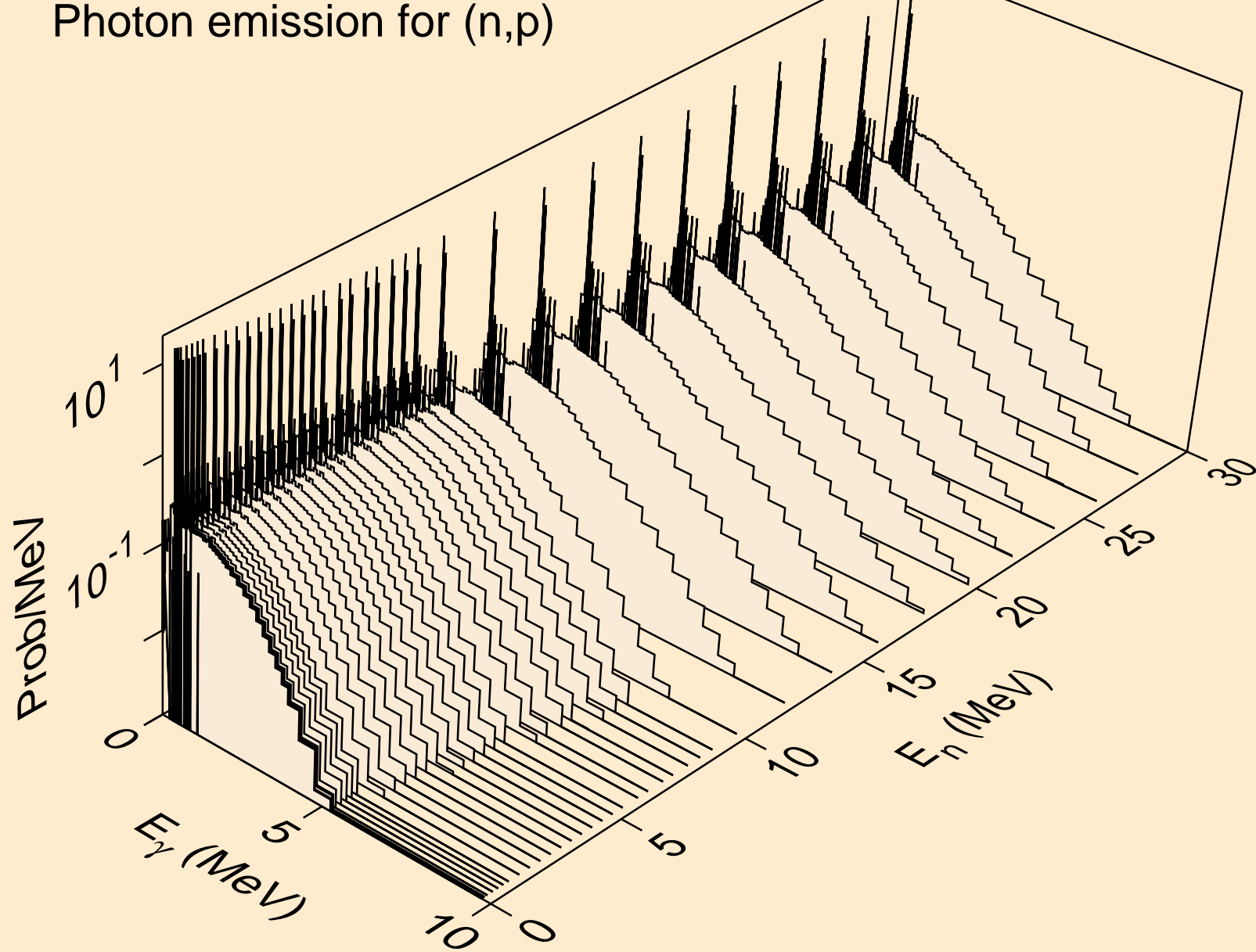




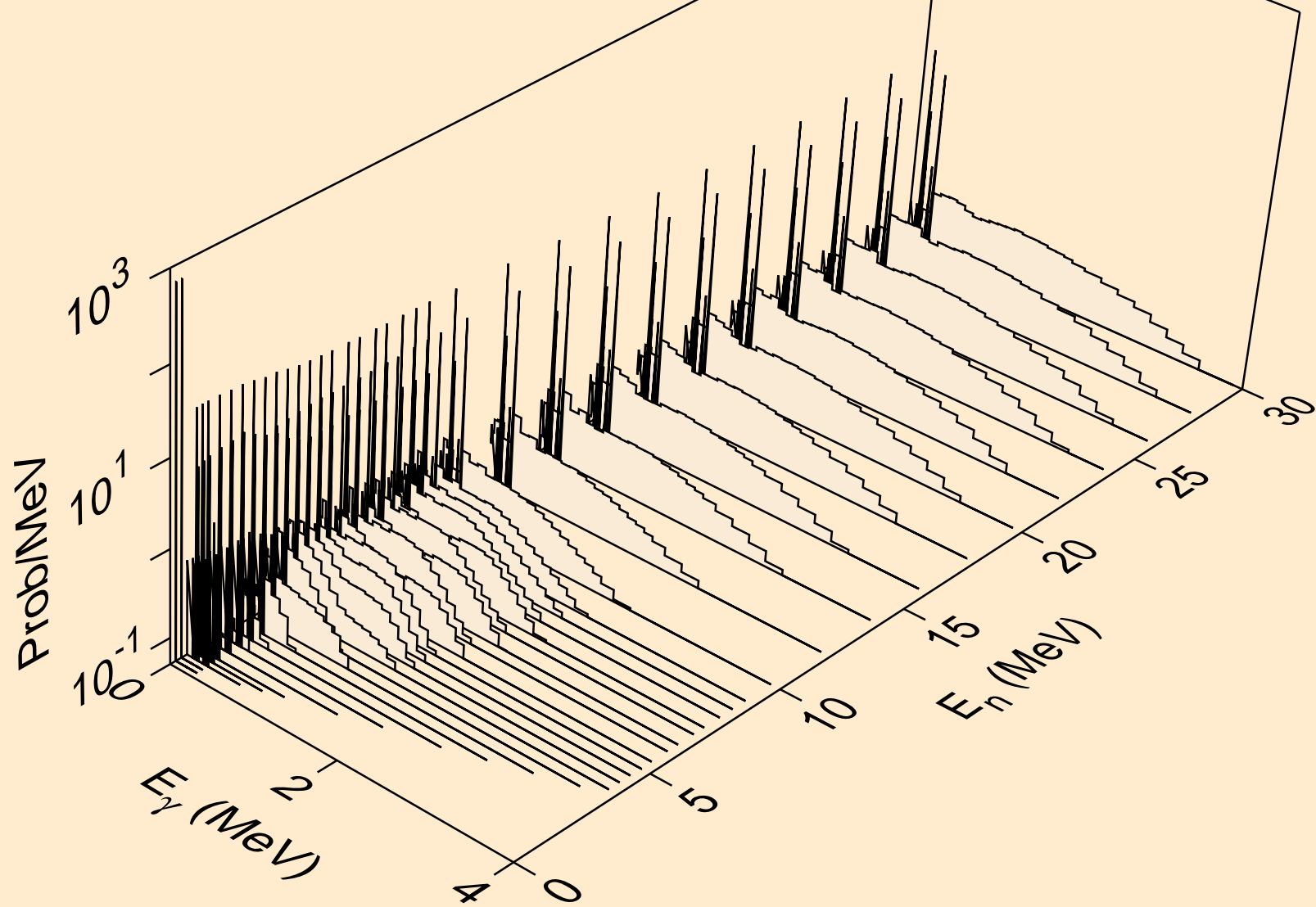
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Photon emission for (n,gma)



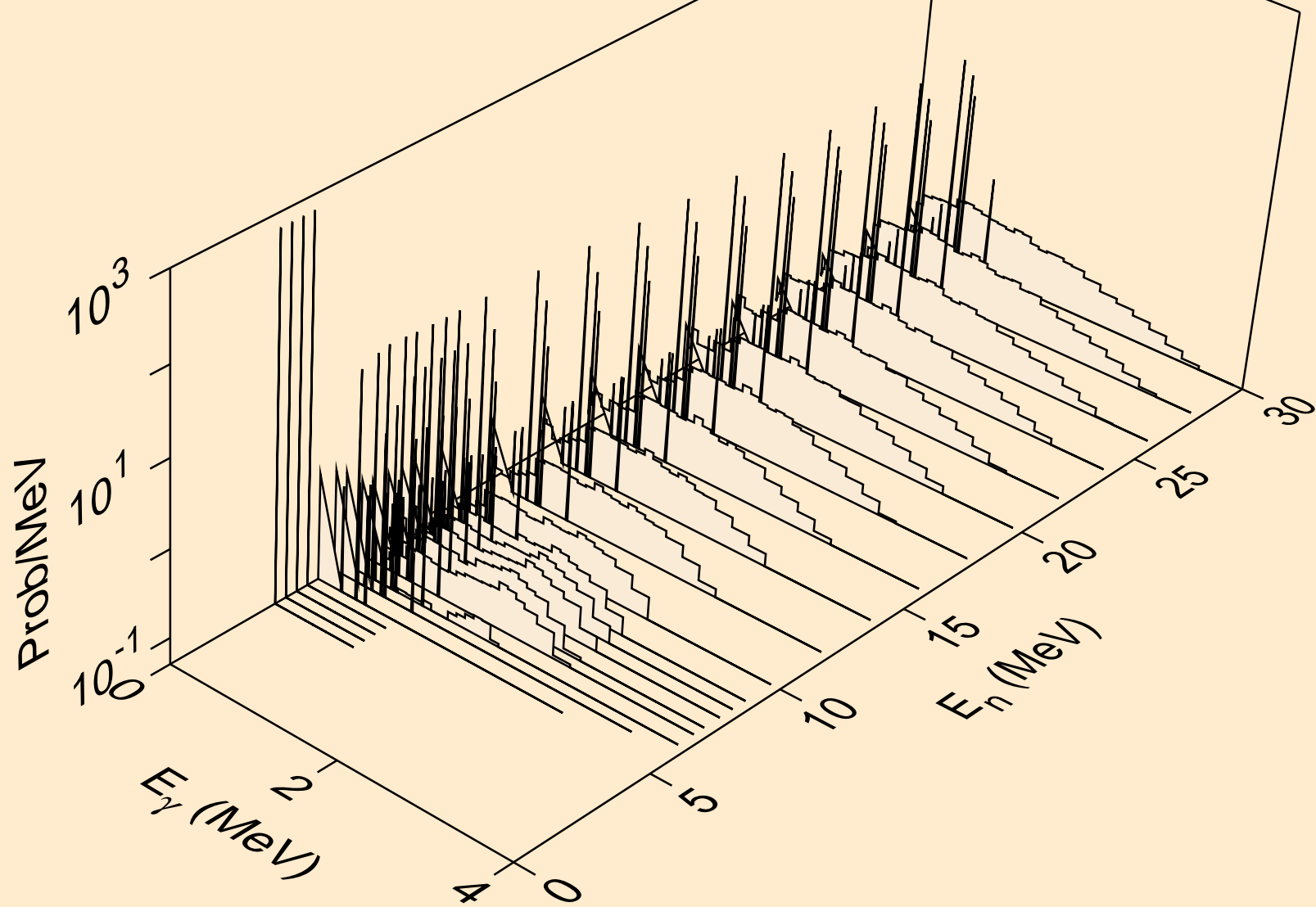
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p)



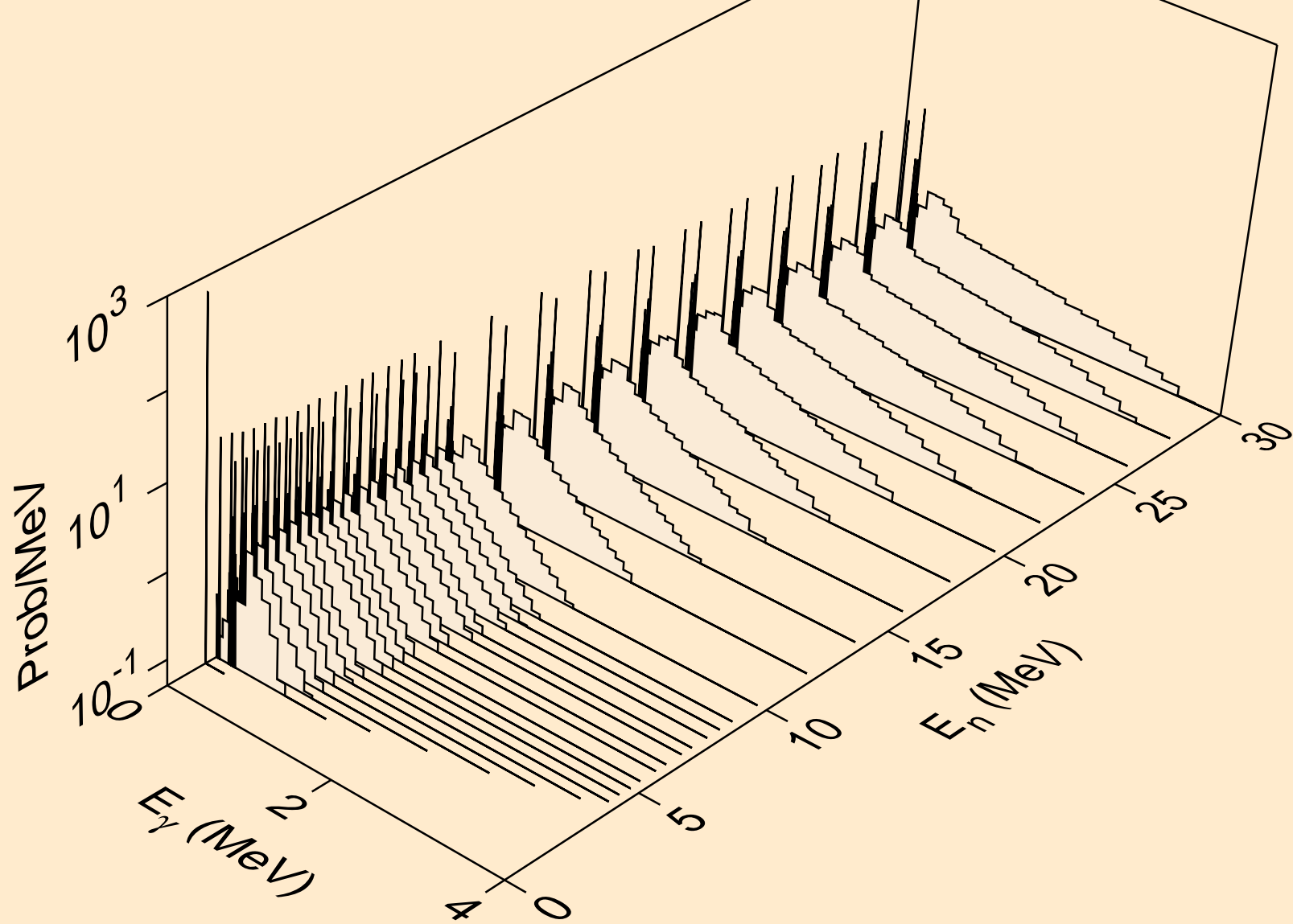
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d)



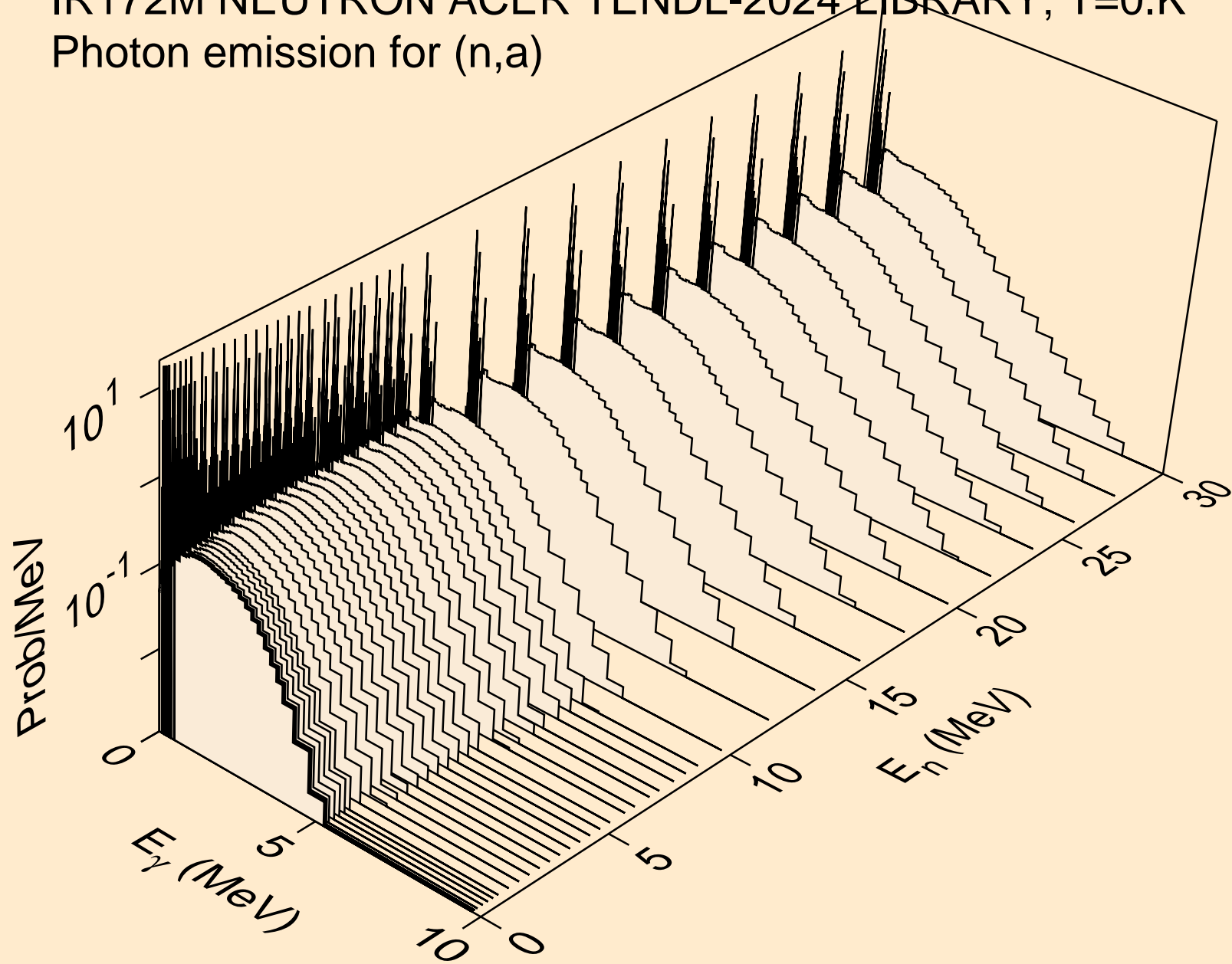
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t)



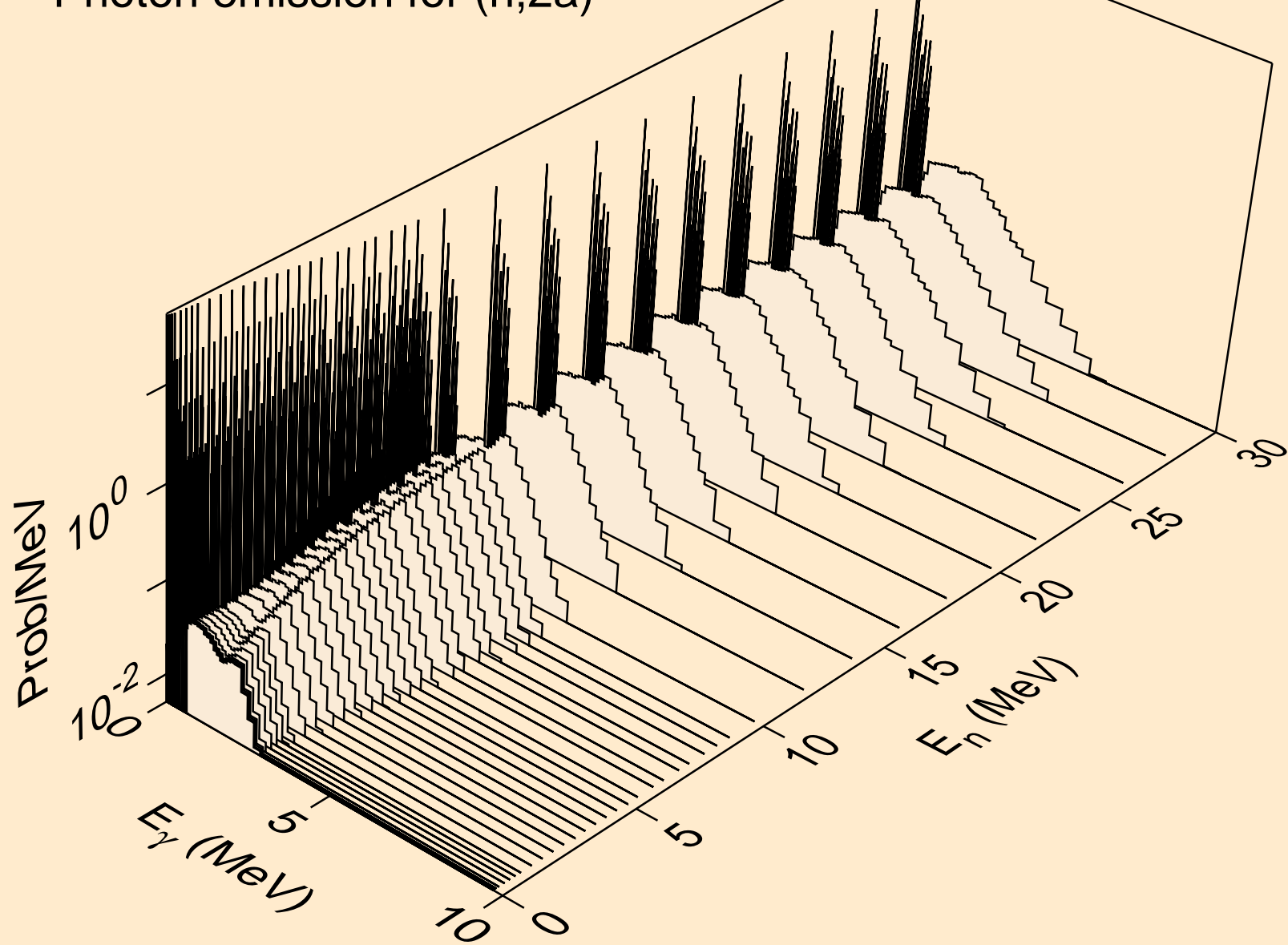
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,he3)



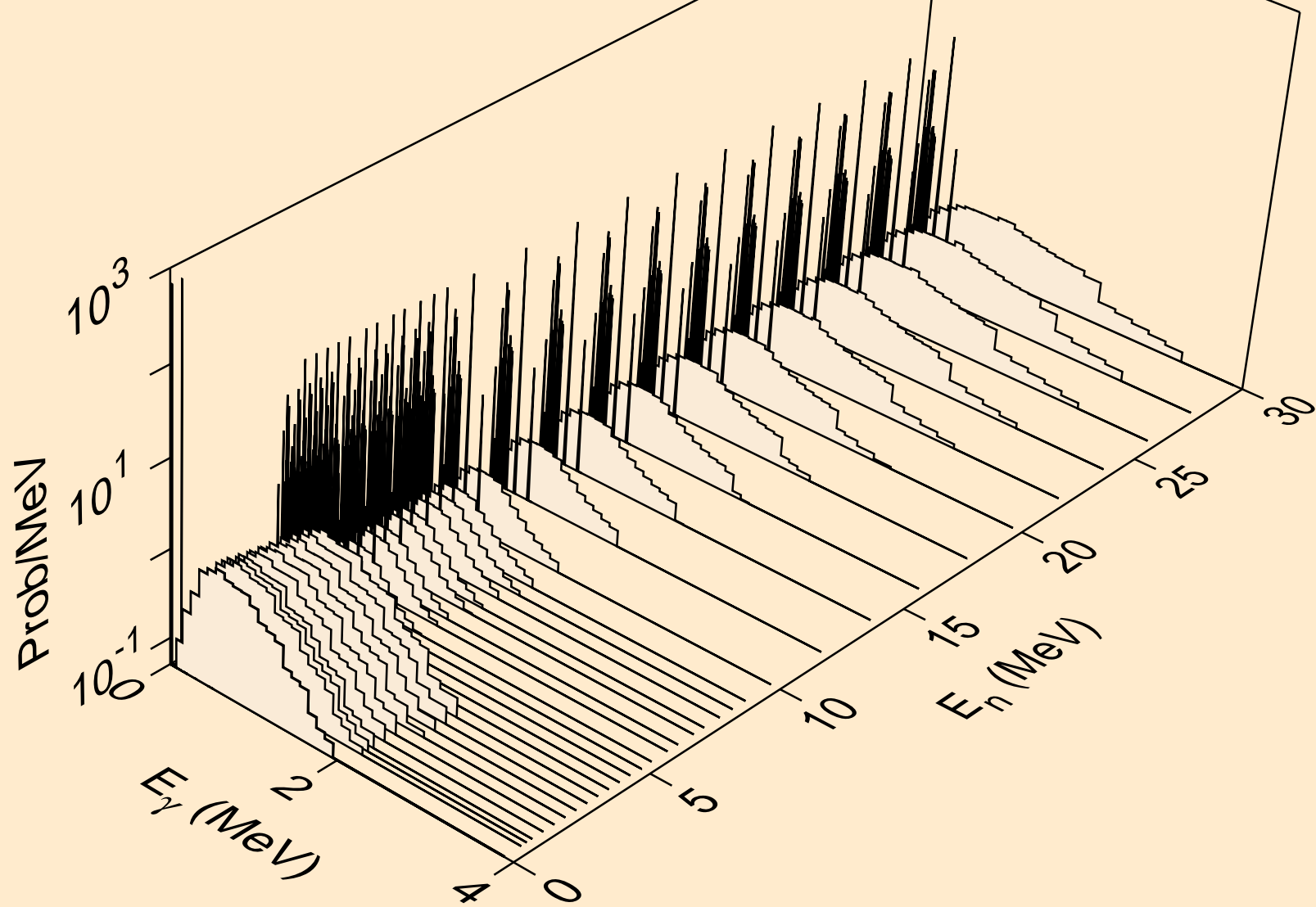
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,a)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2a)

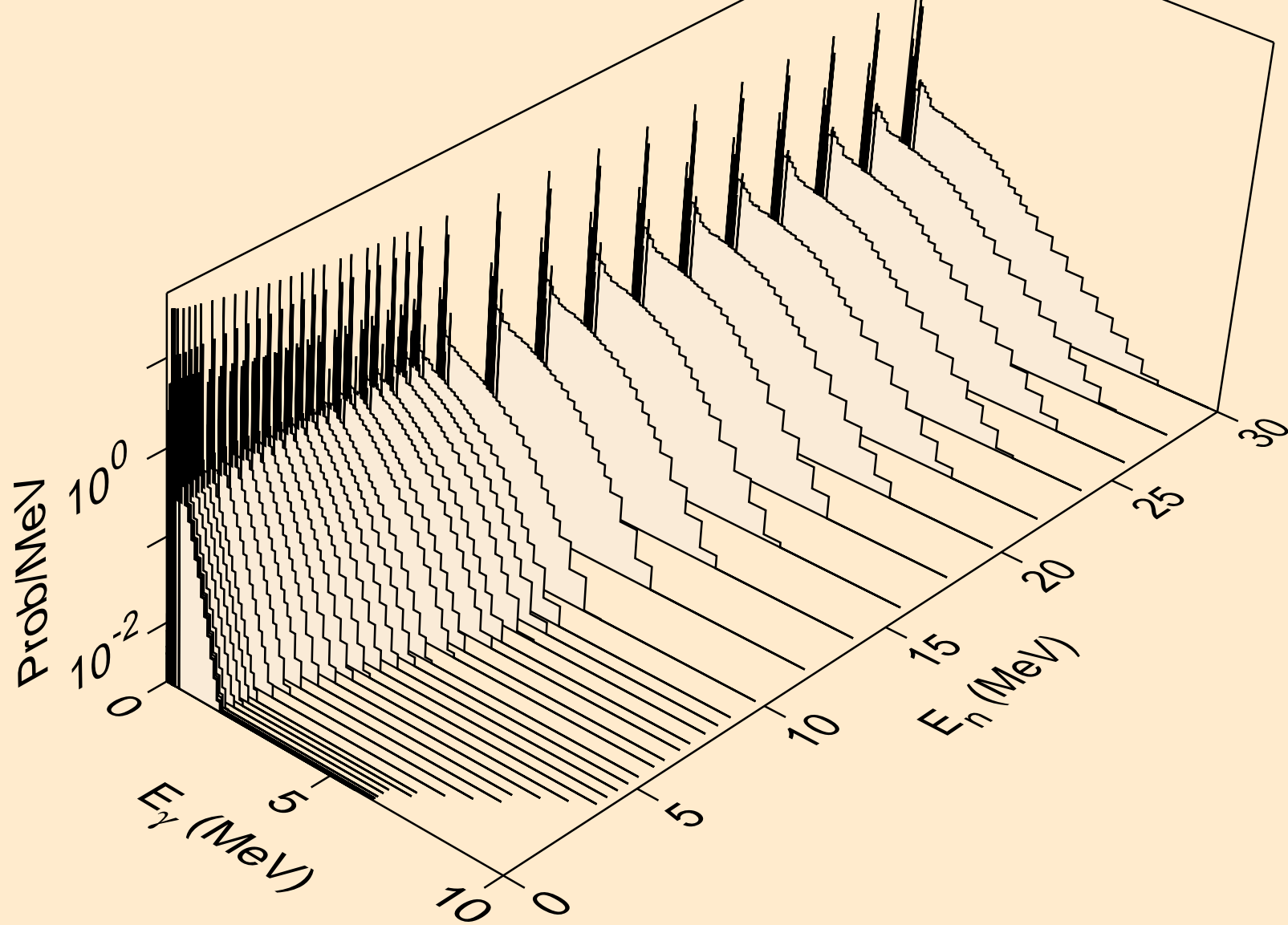


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,3a)

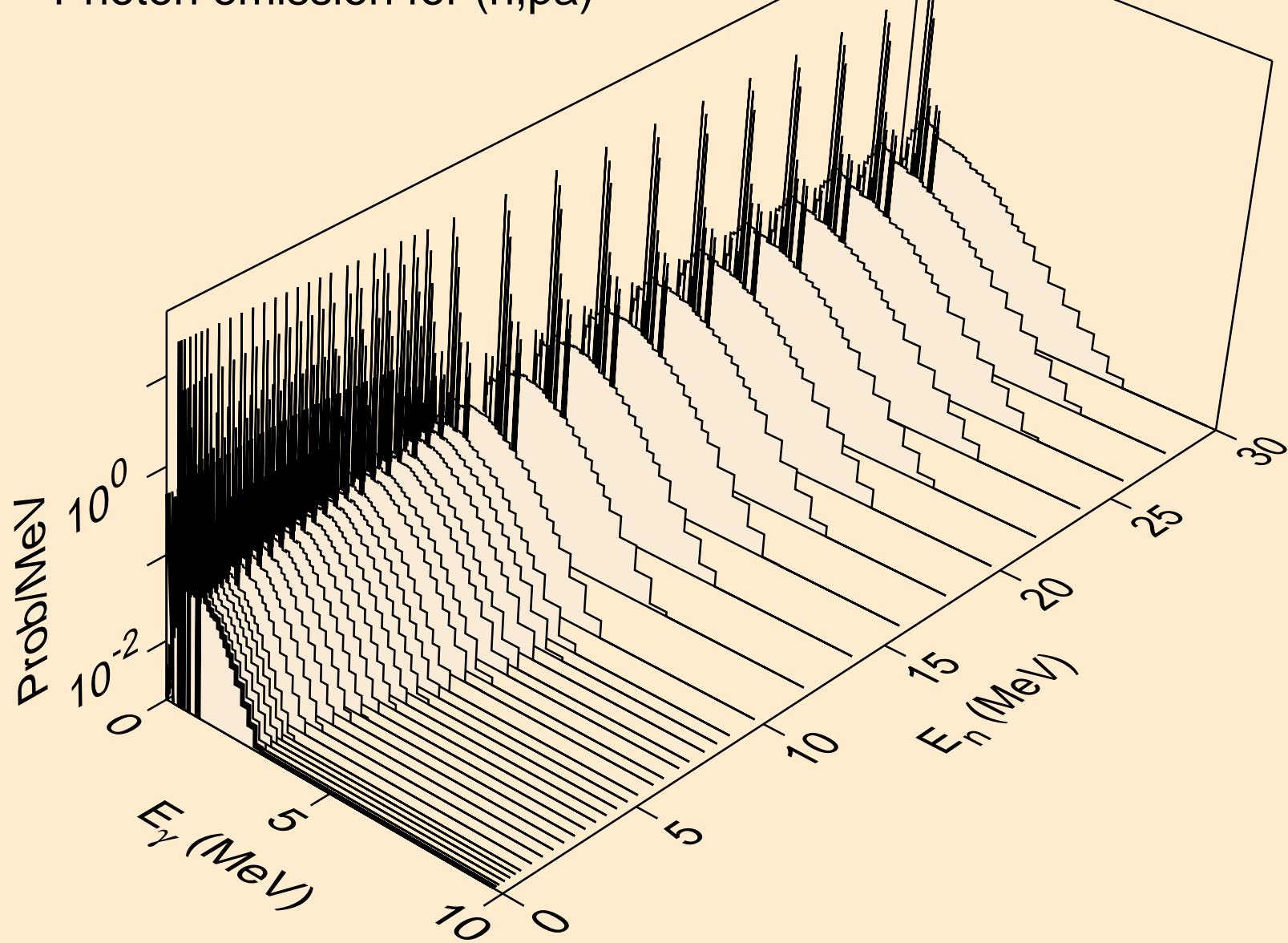




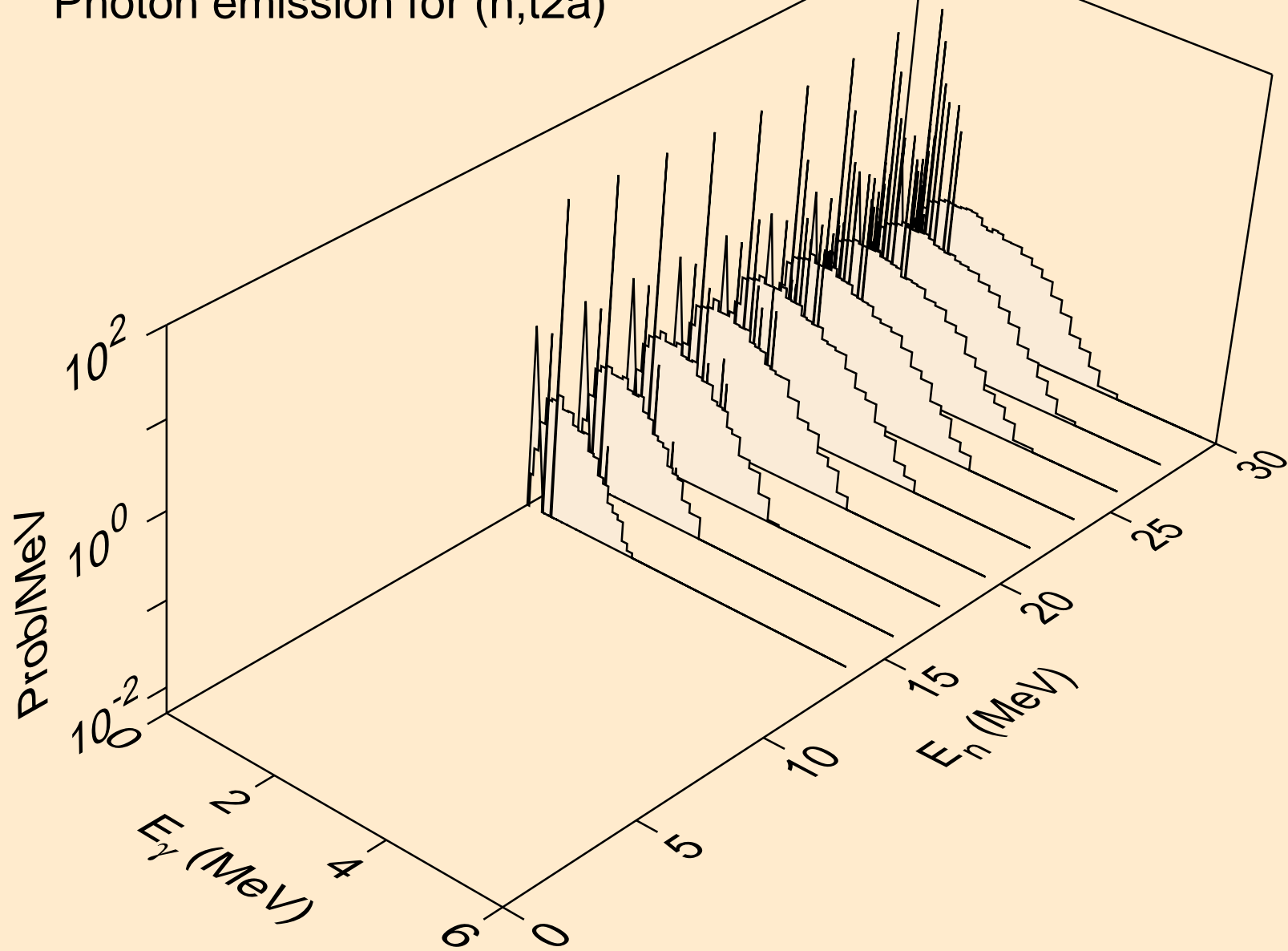
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,2p)



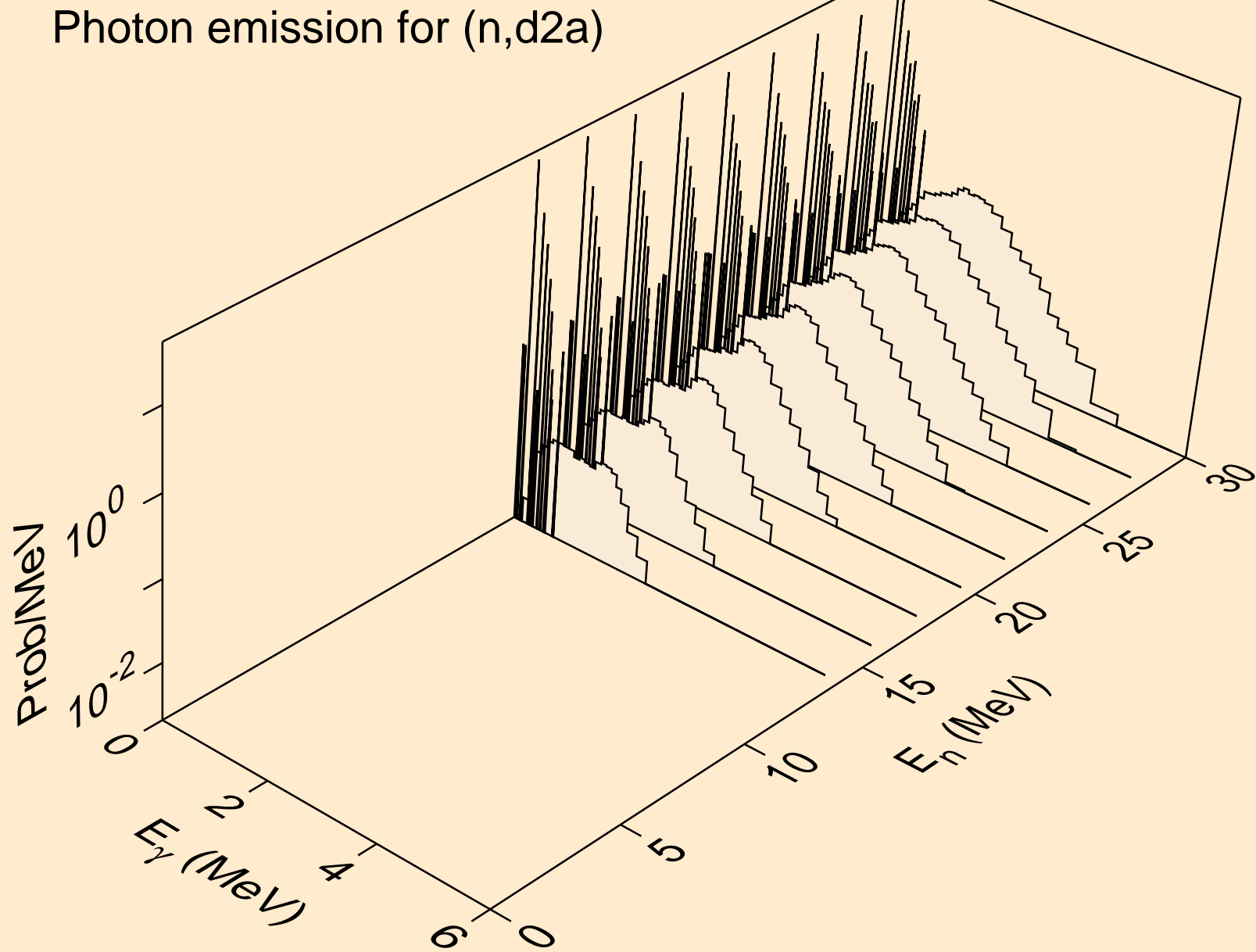
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



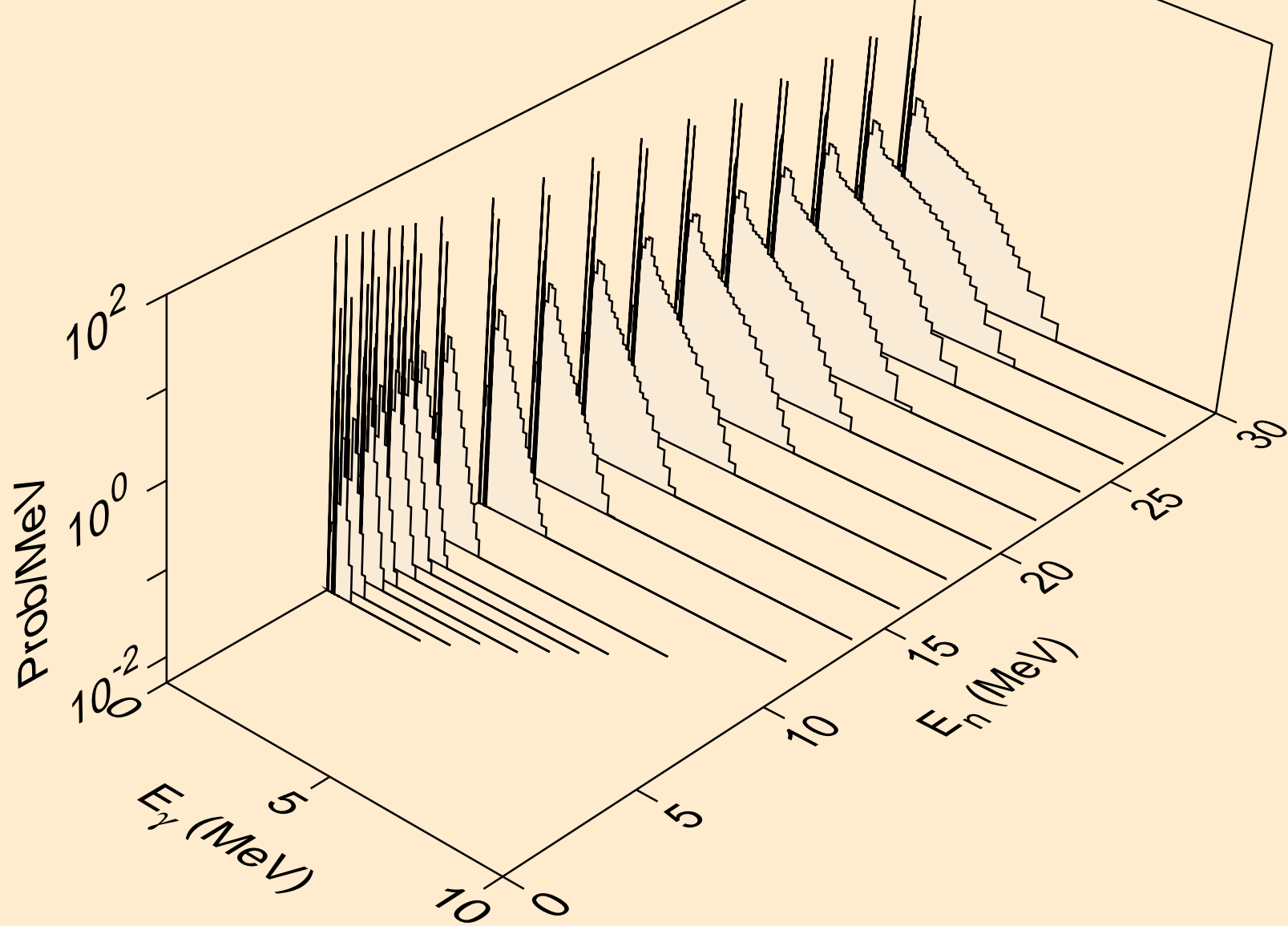
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,t2a)



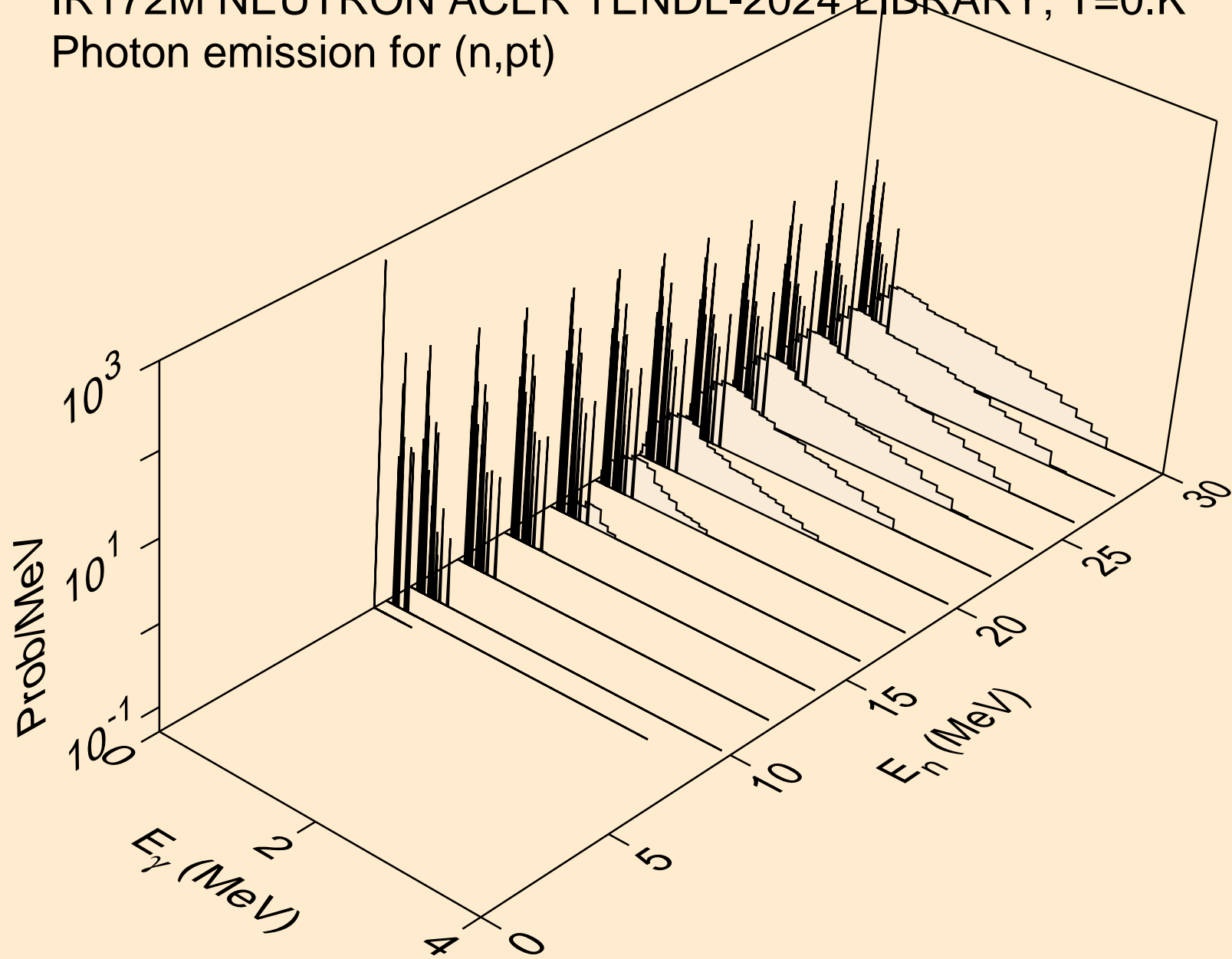
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,d2a)



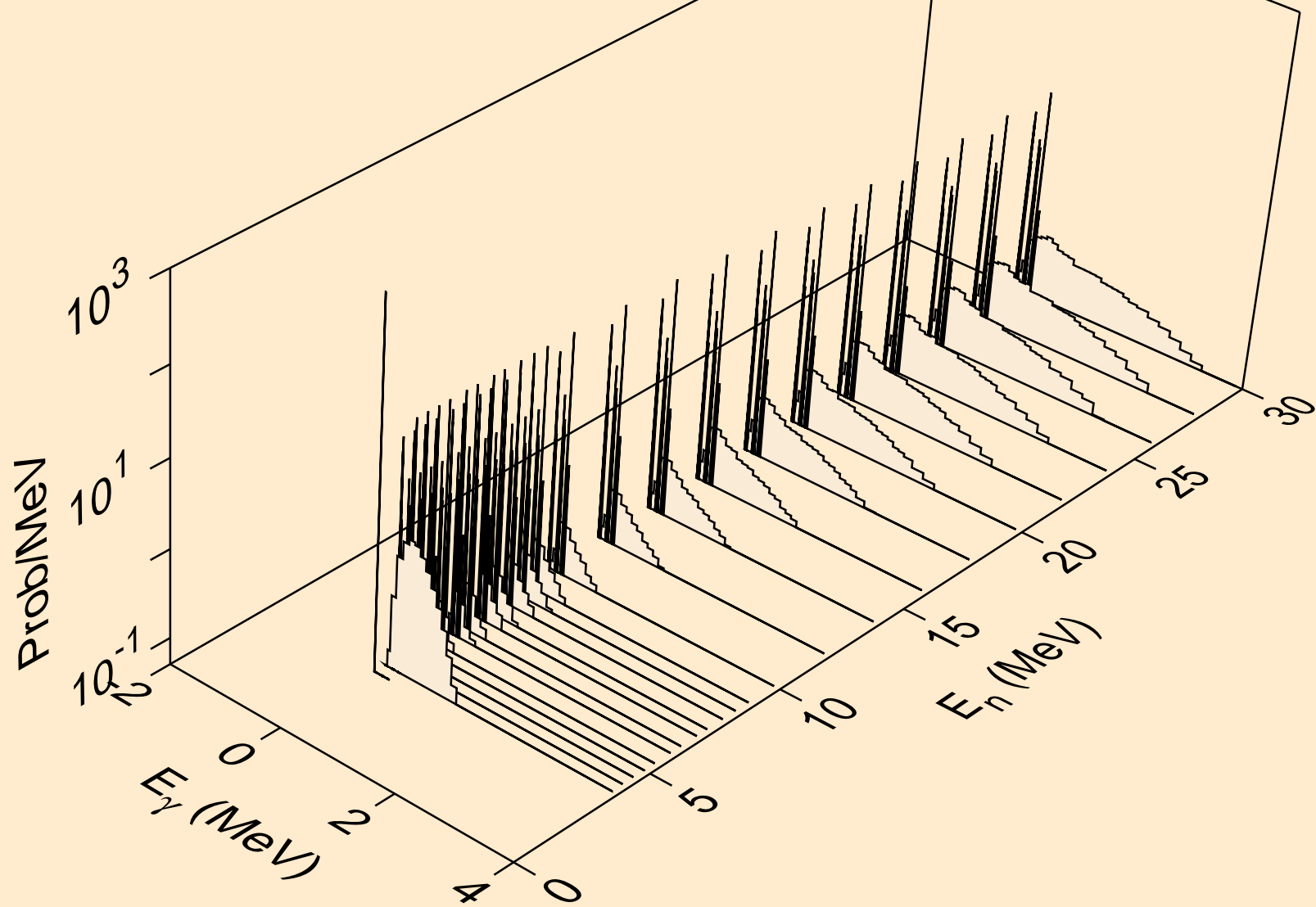
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pd)



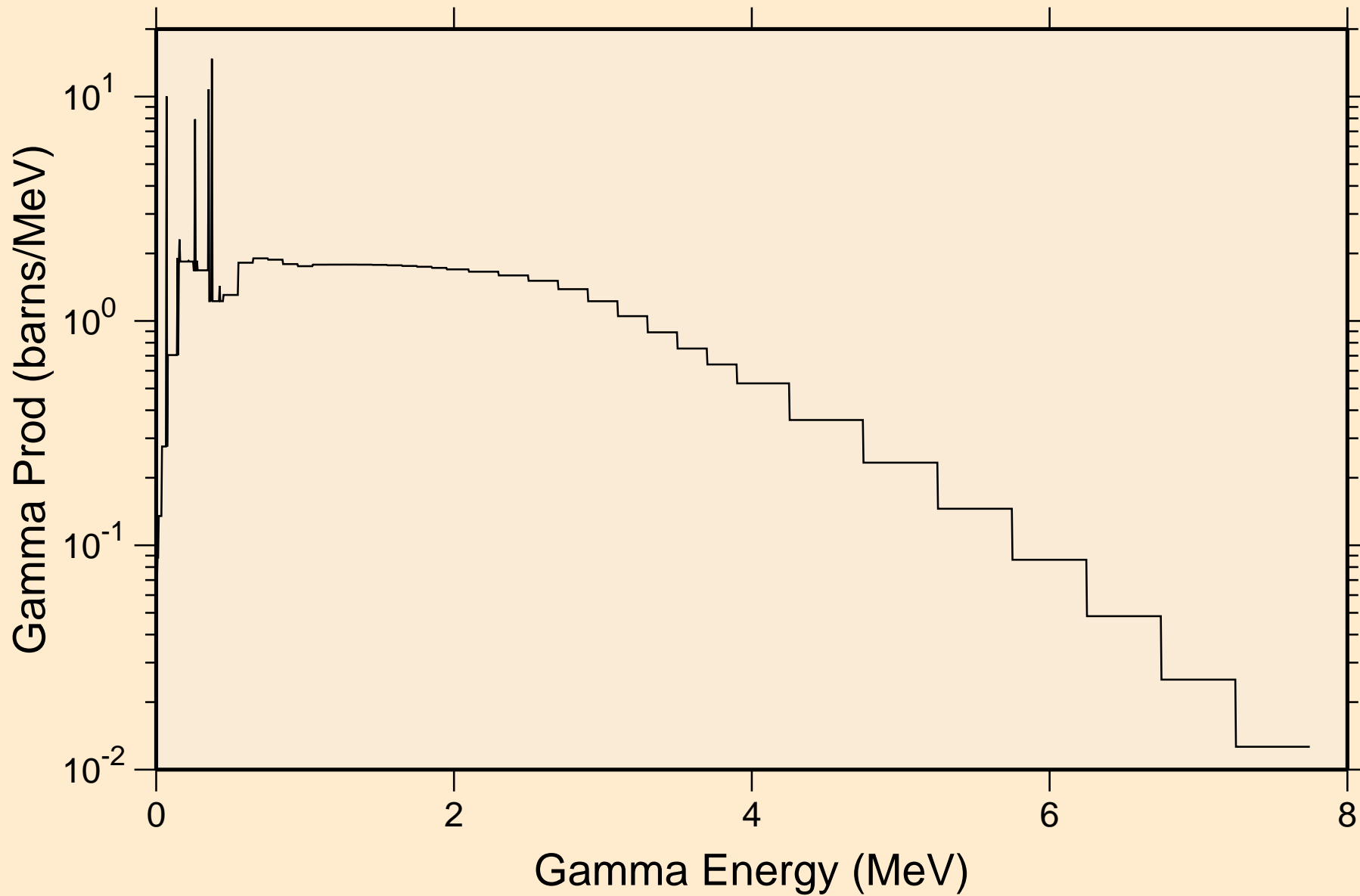
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,pt)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Photon emission for (n,da)

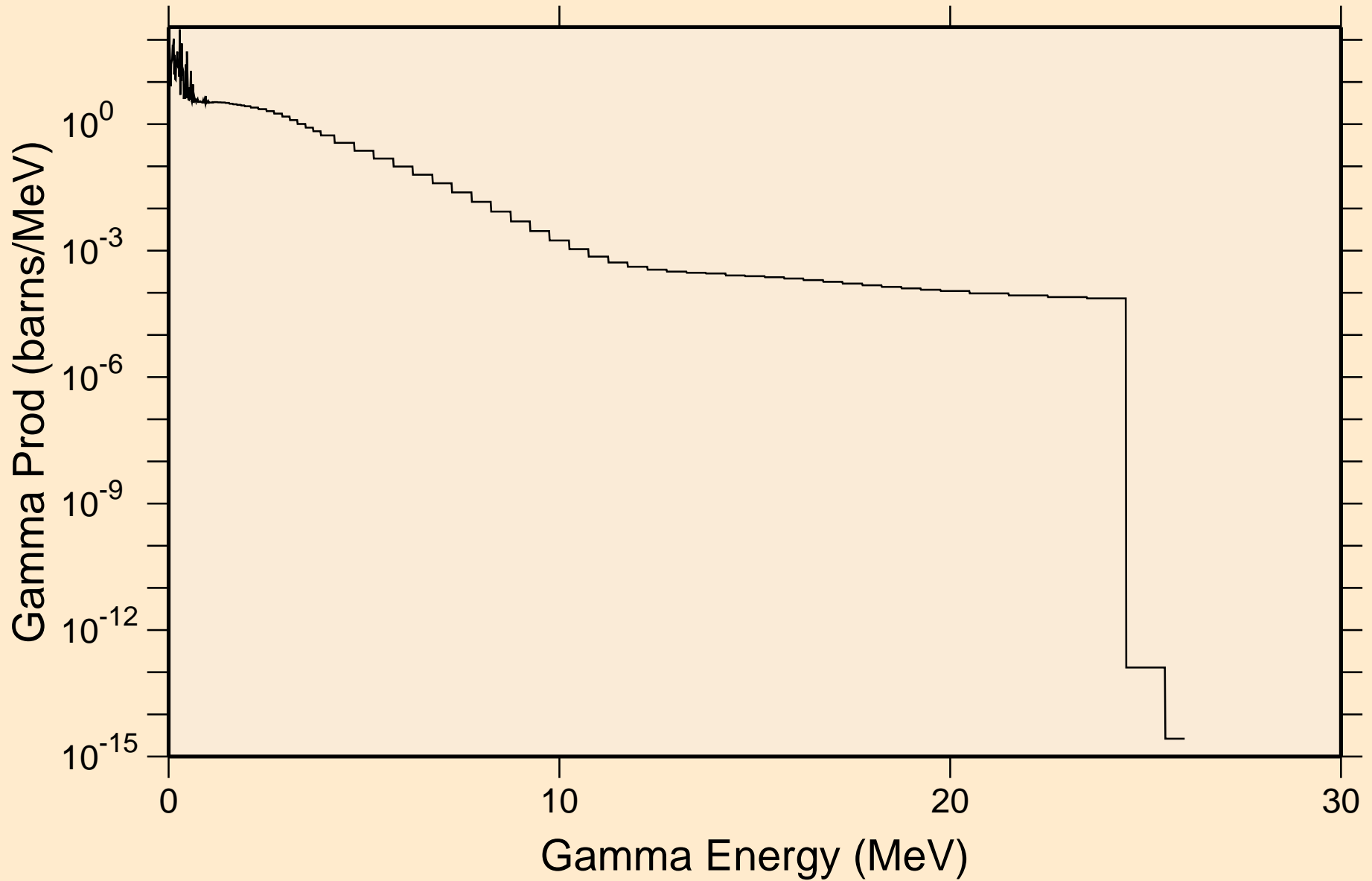


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
thermal capture photon spectrum

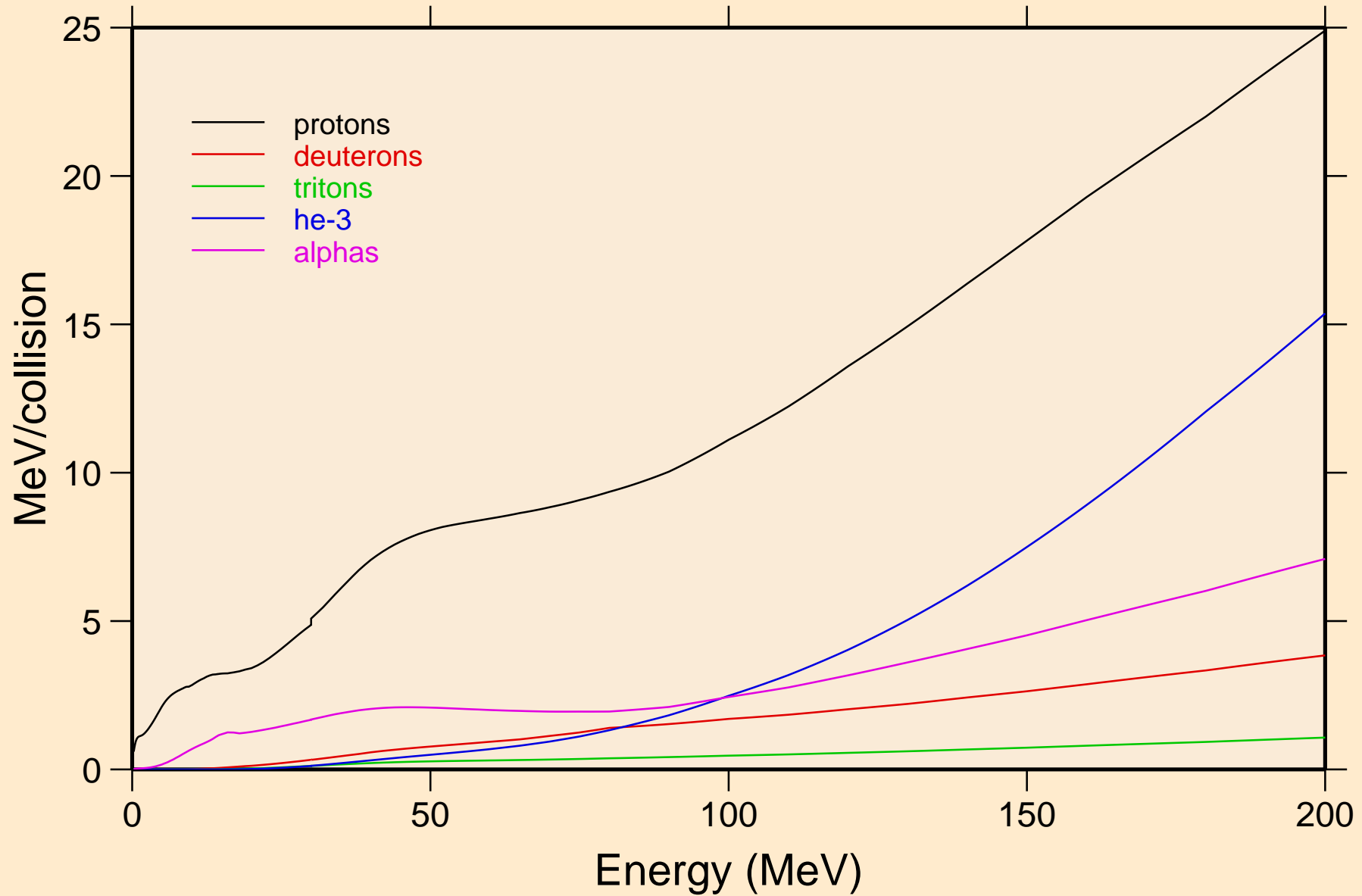




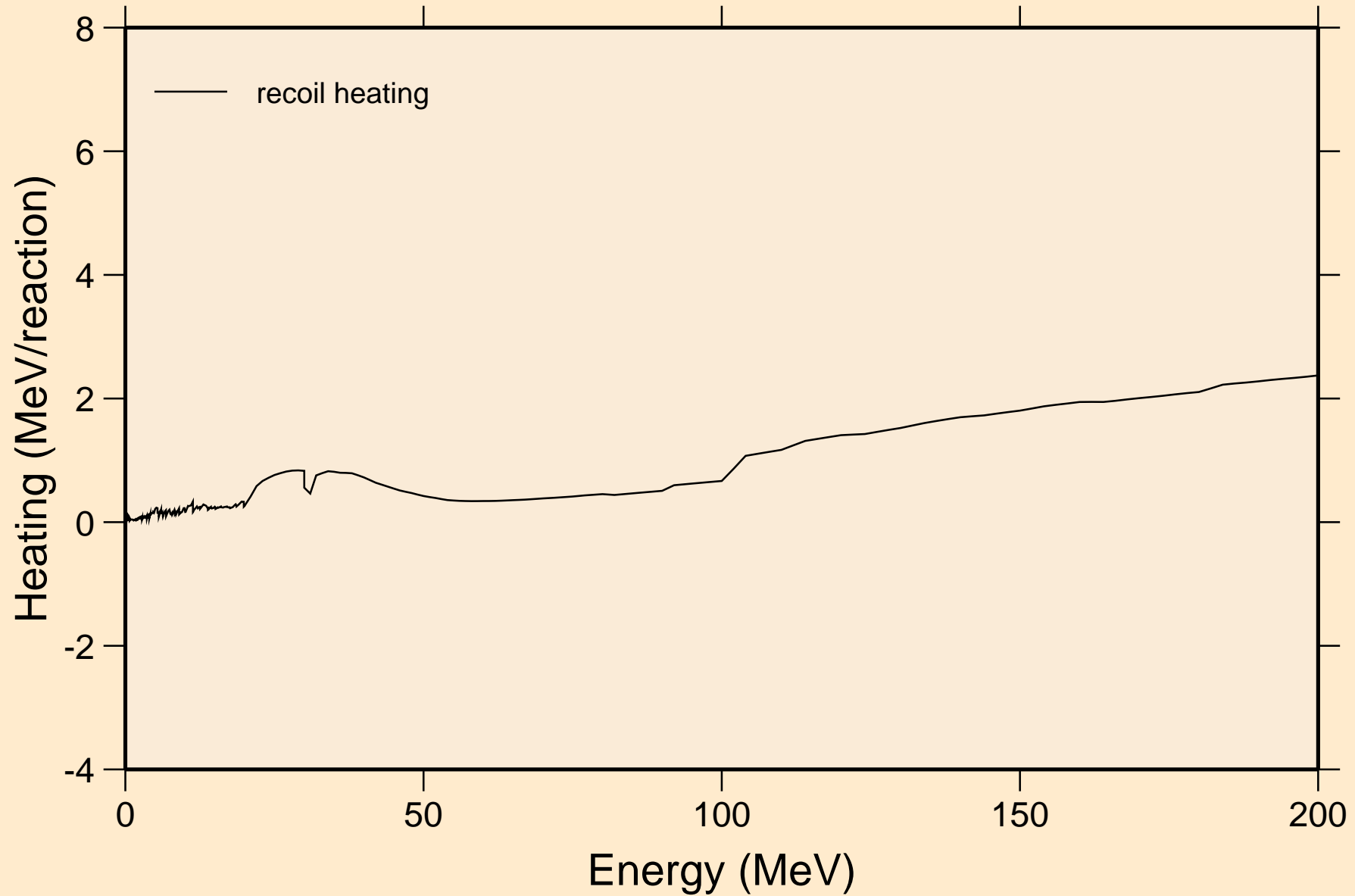
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
14 MeV photon spectrum



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Particle heating contributions

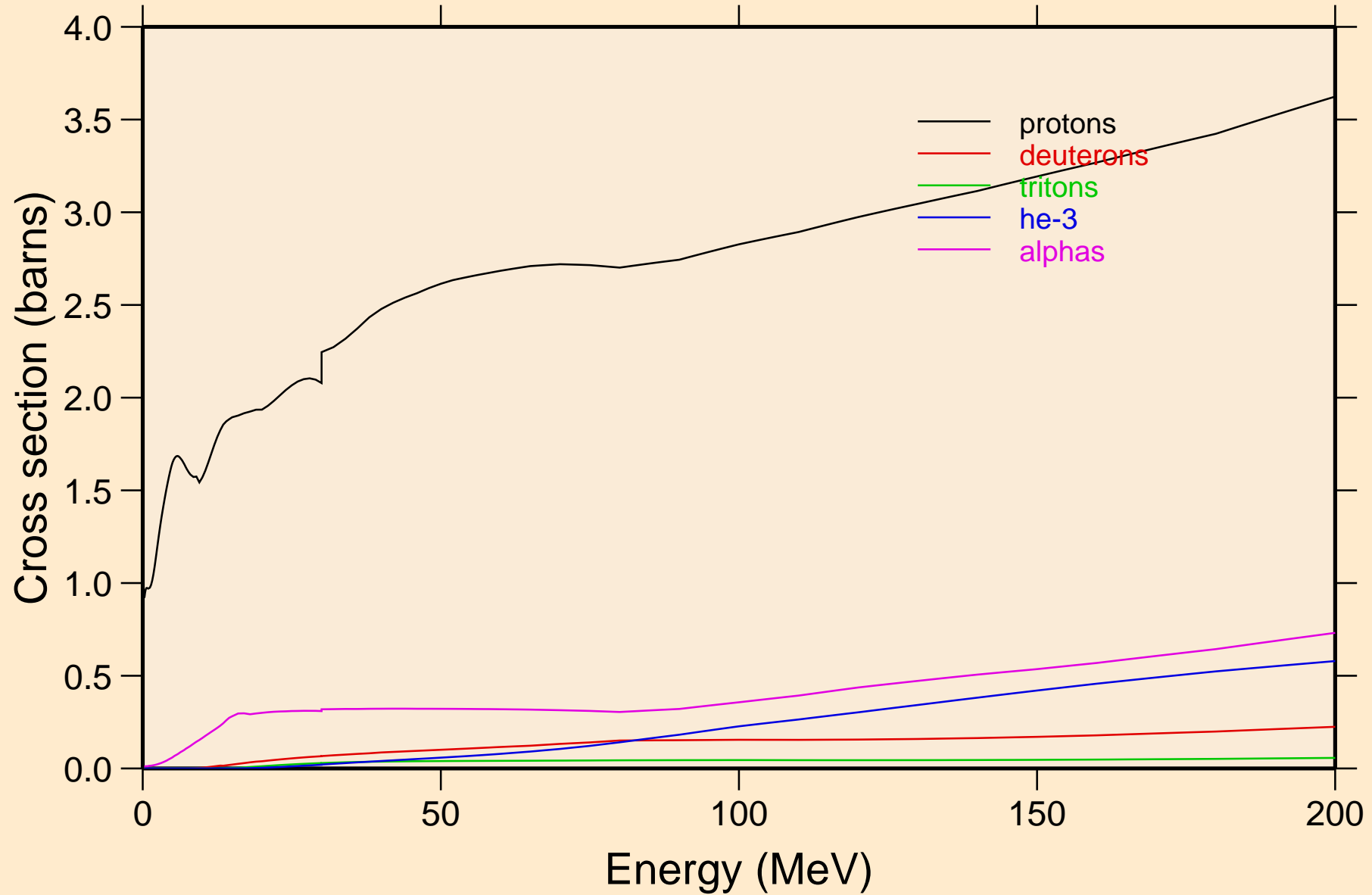


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
Recoil Heating

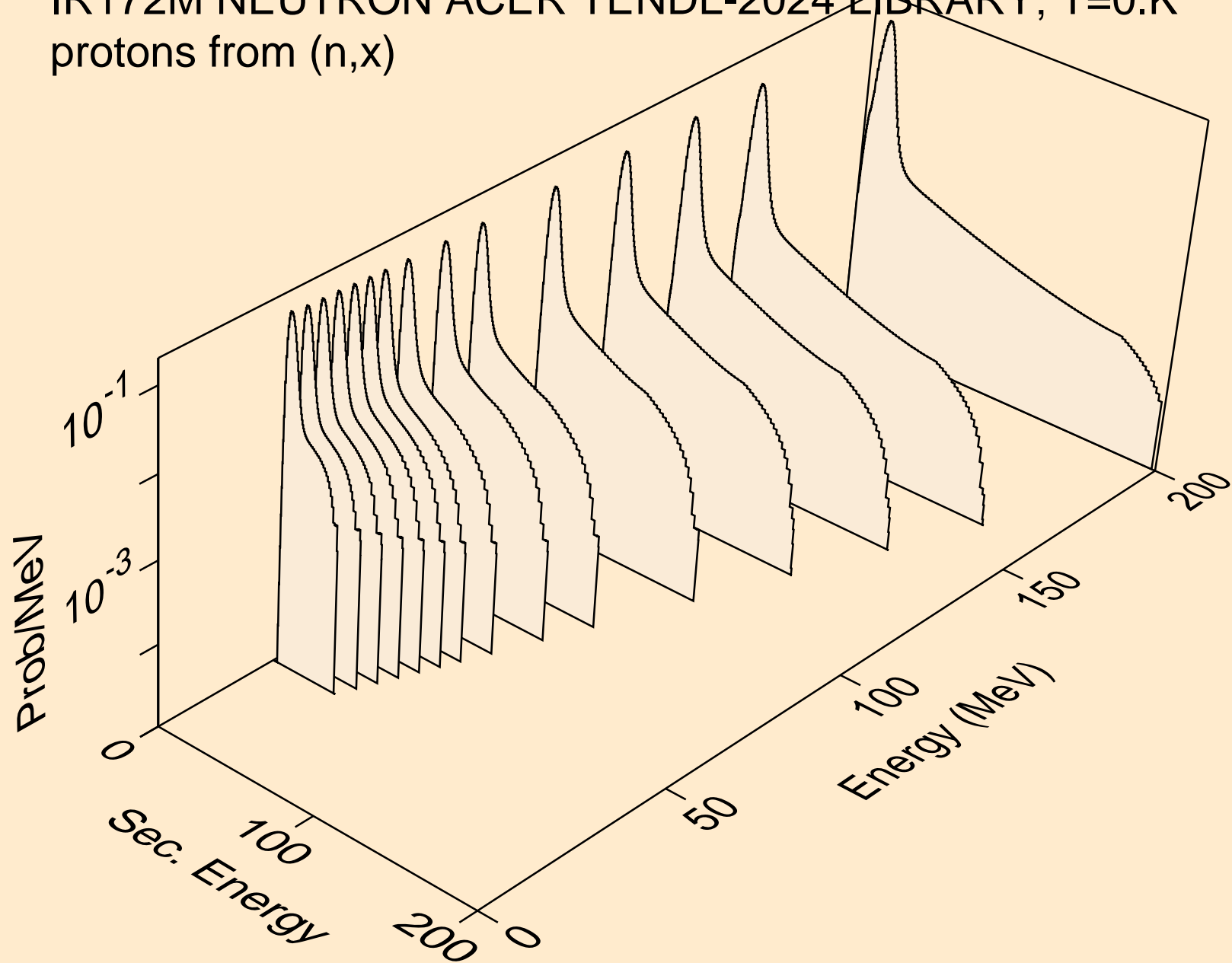


# IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K

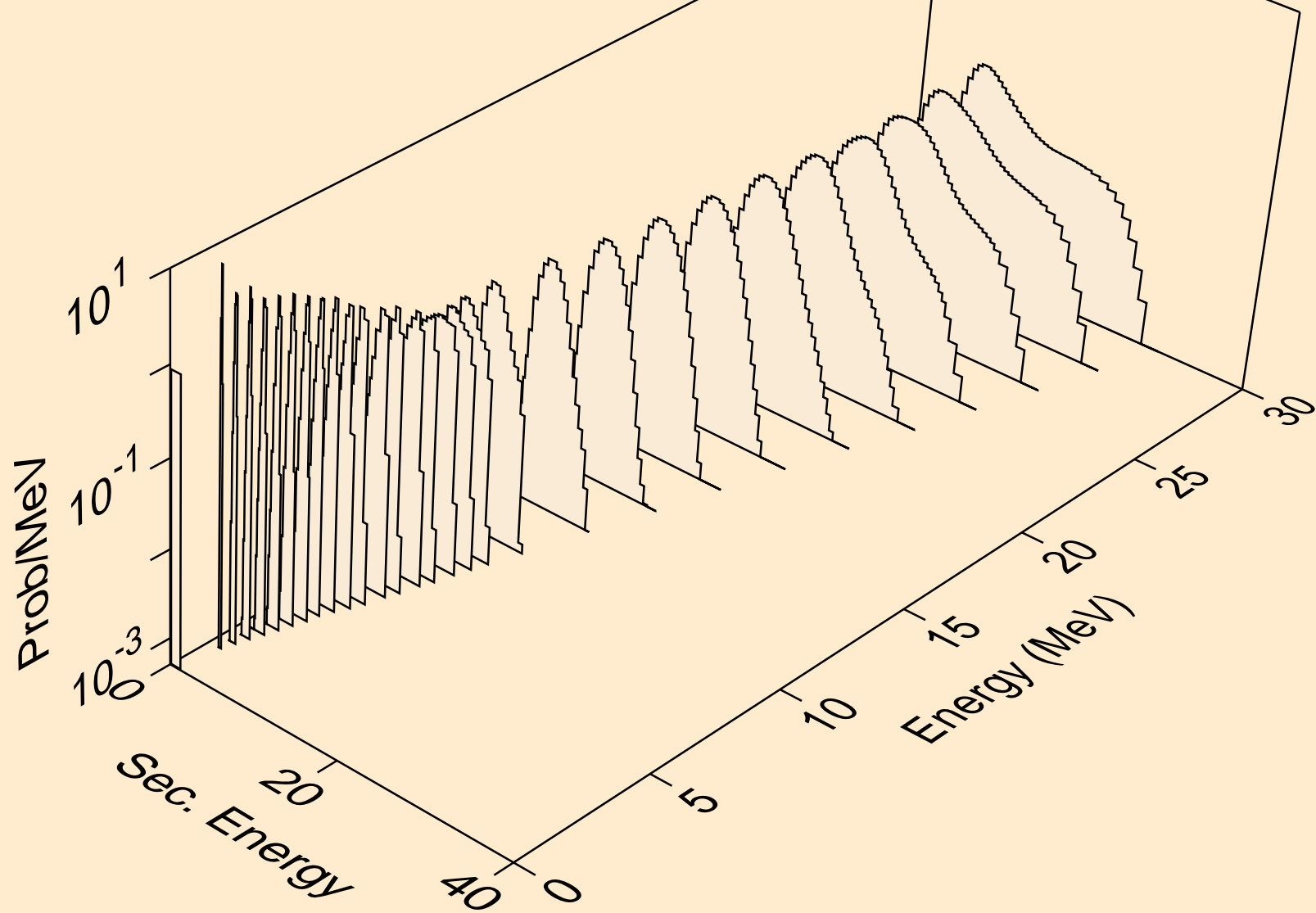
## Particle production cross sections



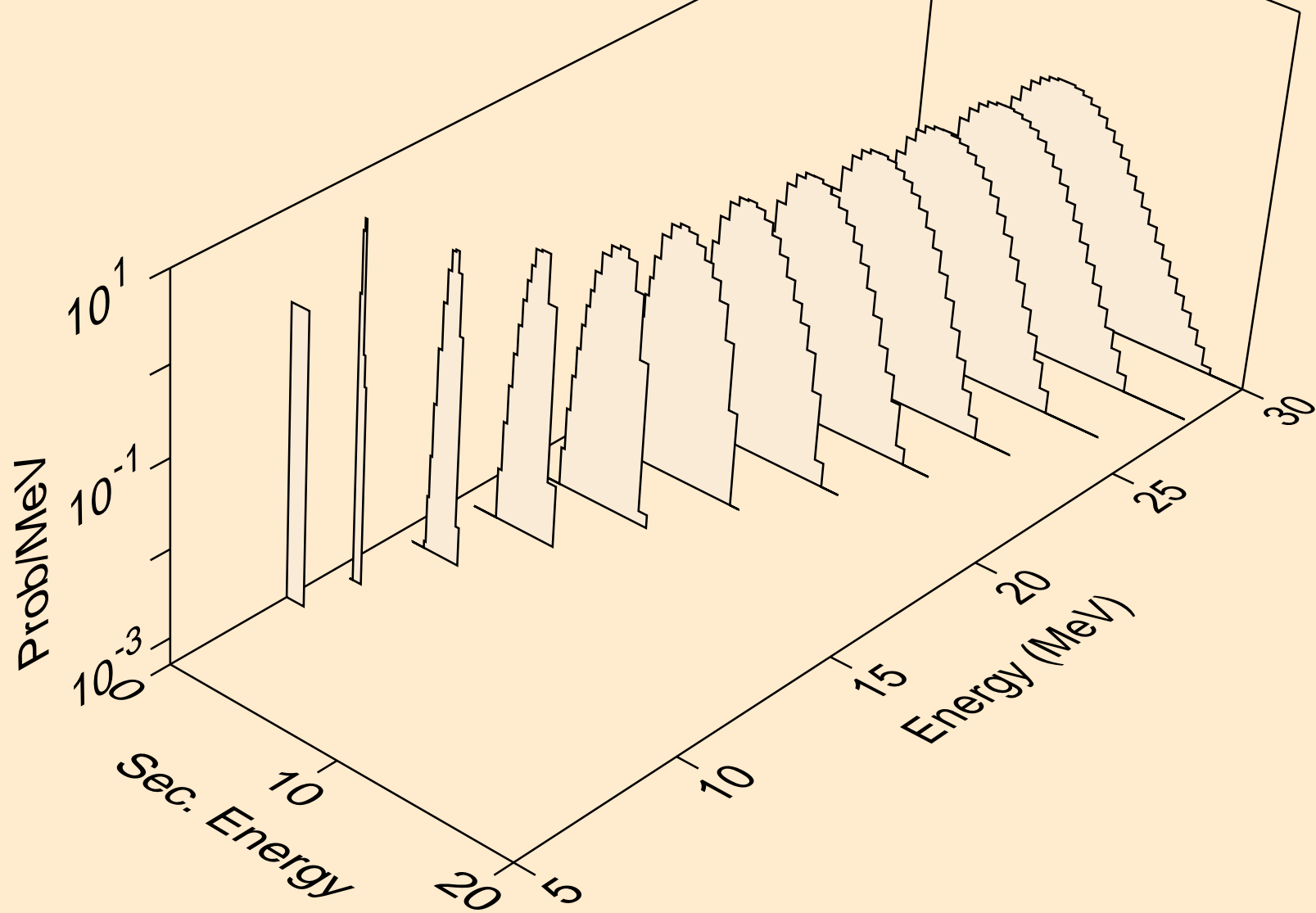
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,x)



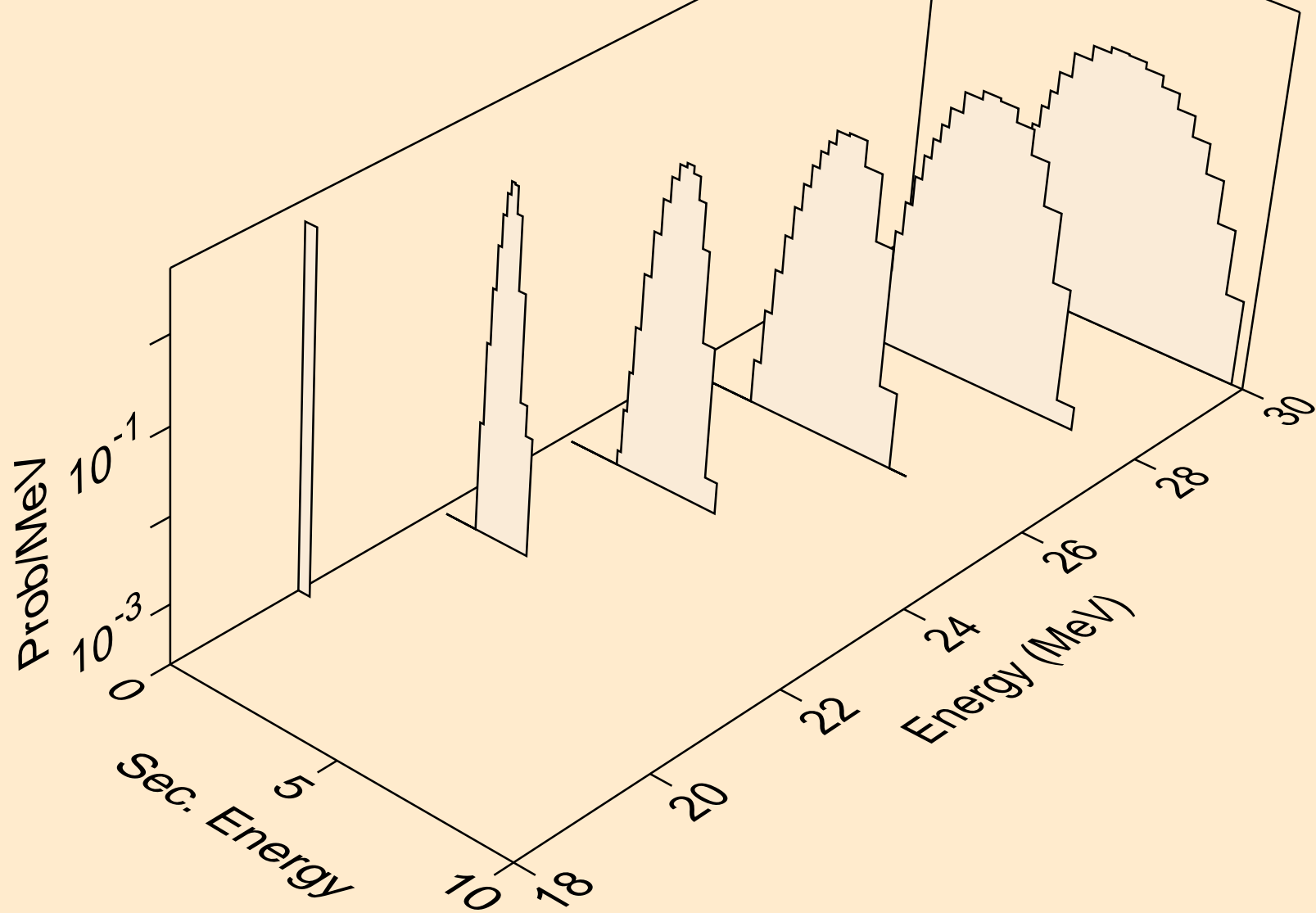
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,n\*)p



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,2np)

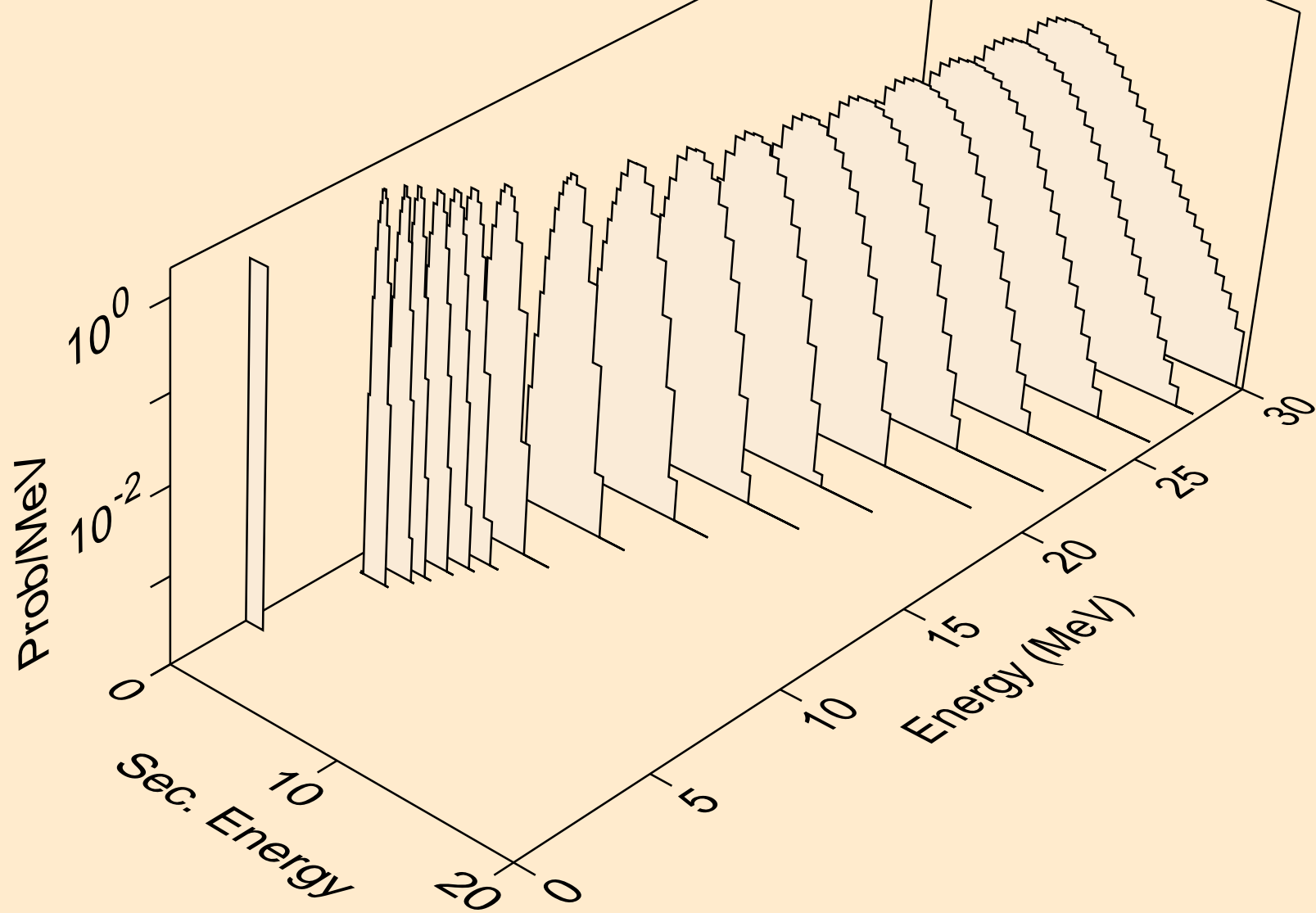


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,3np)

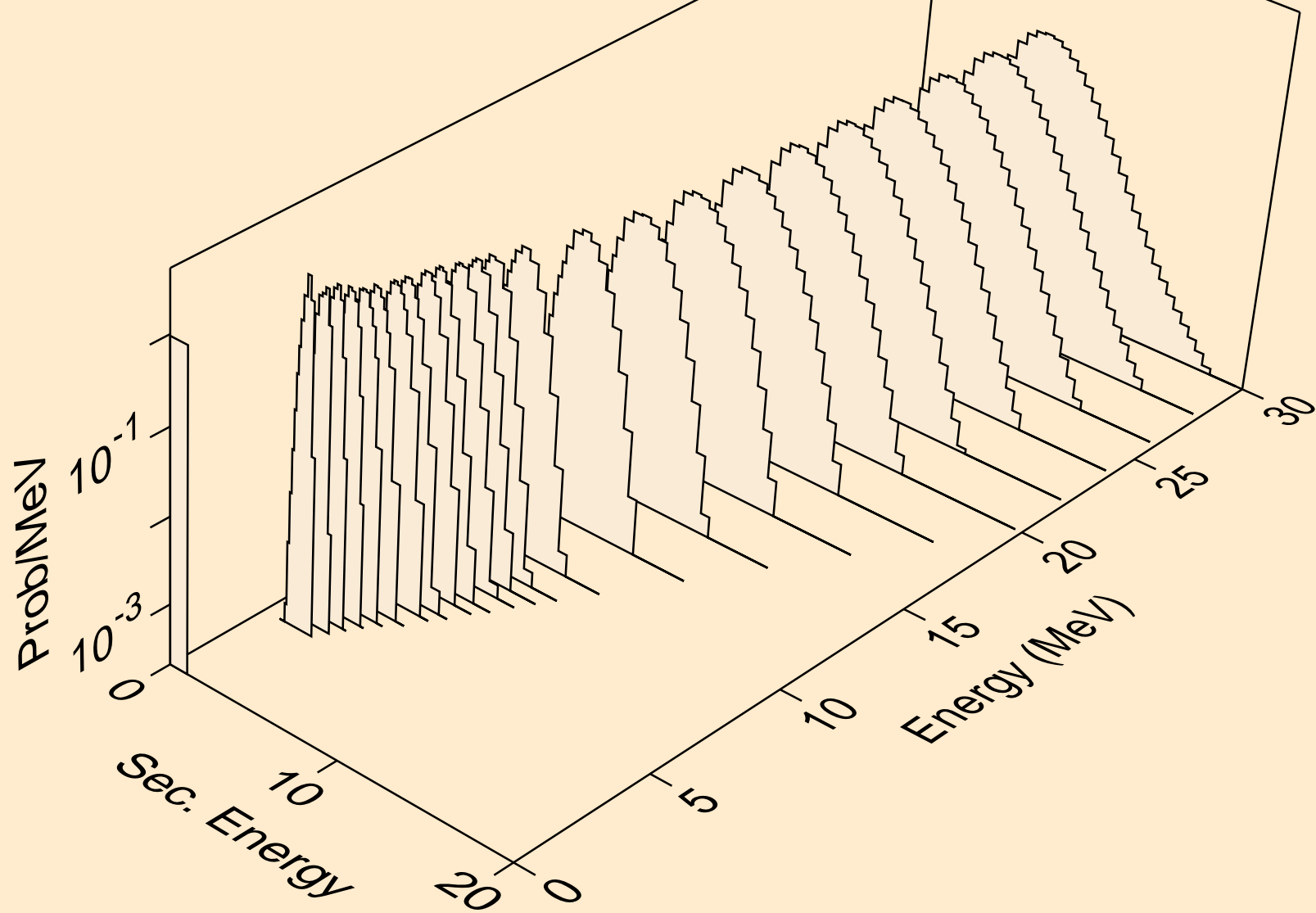




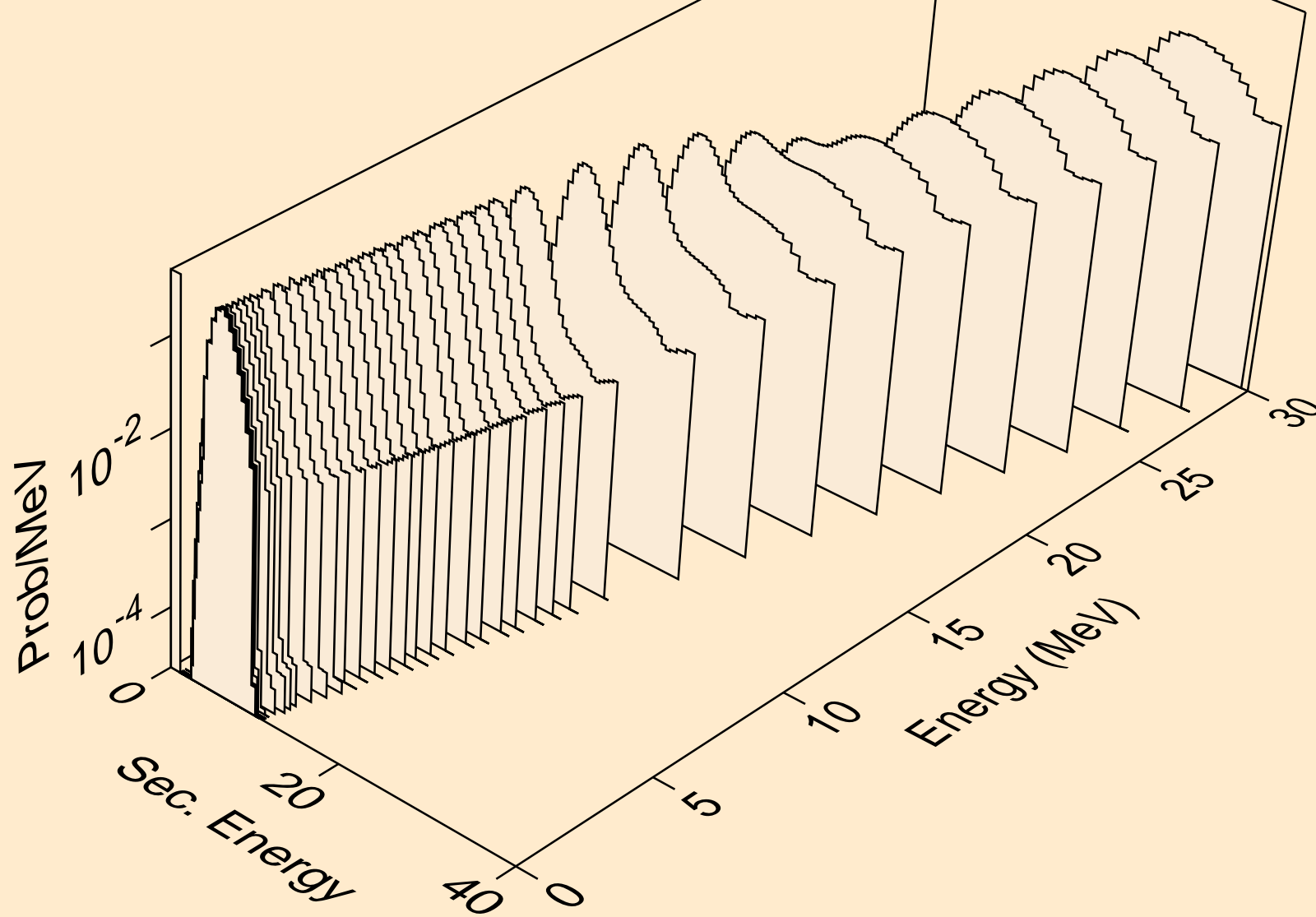
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protons from (n,n2p)



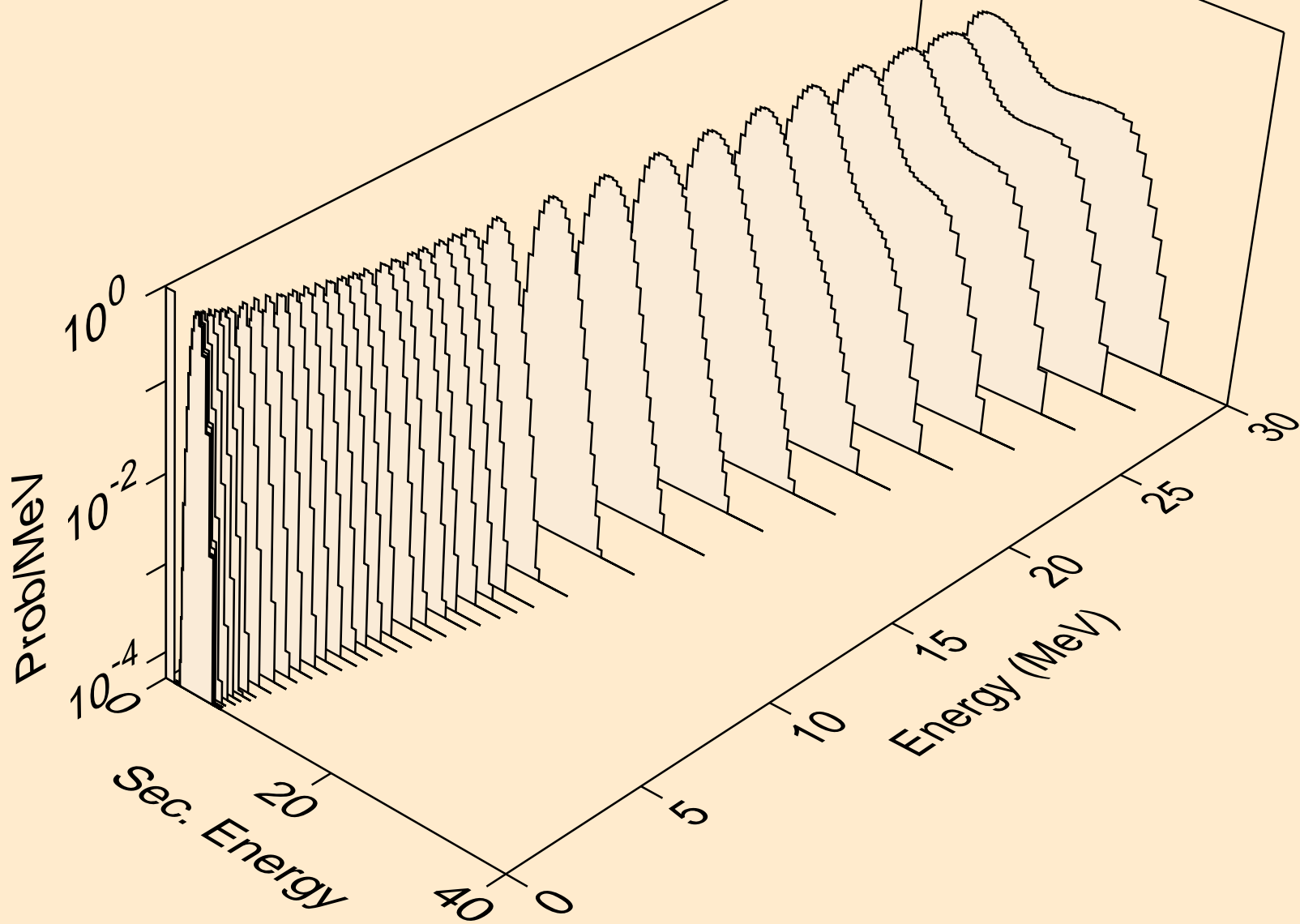
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protons from (n,npa)



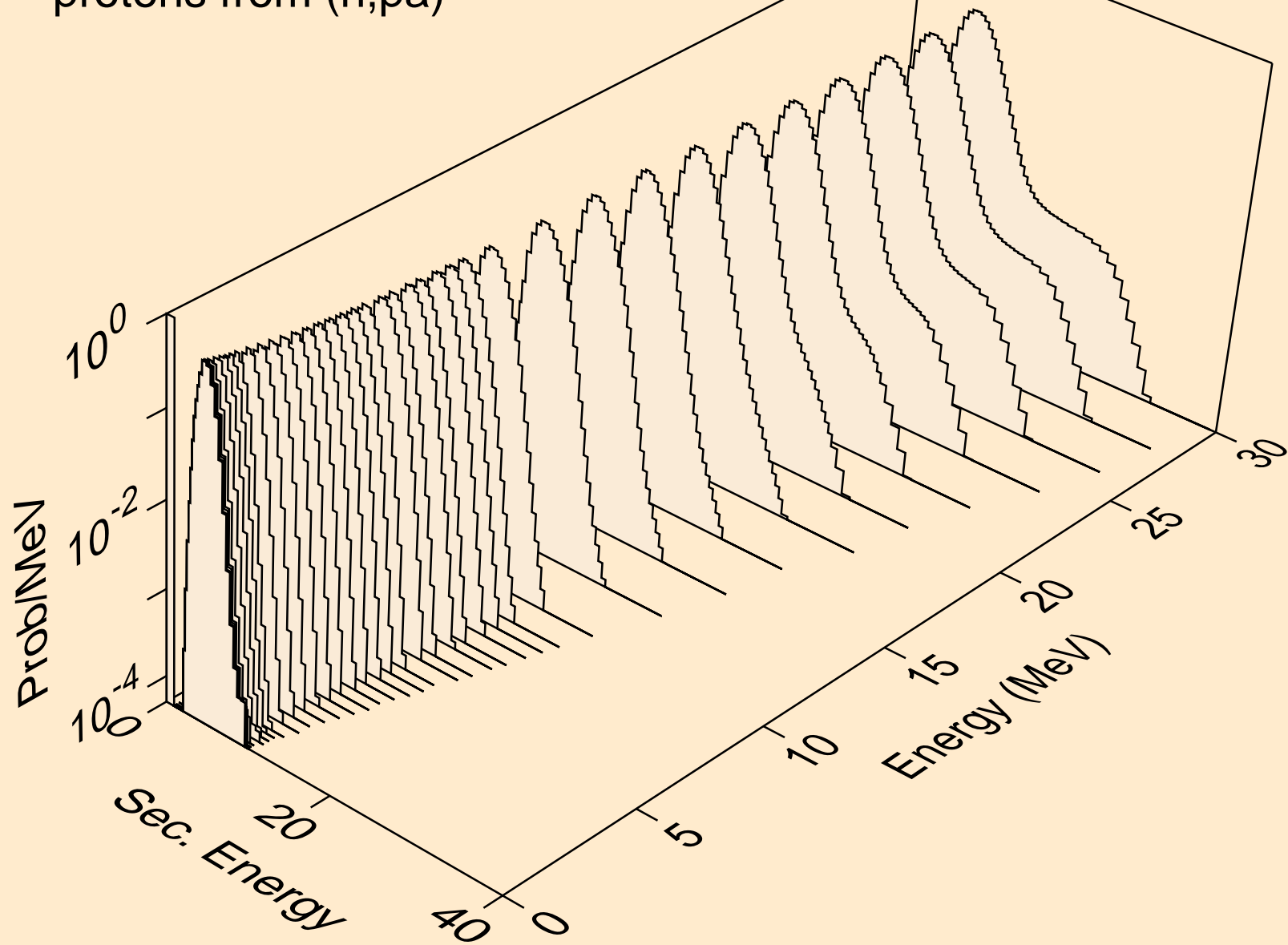
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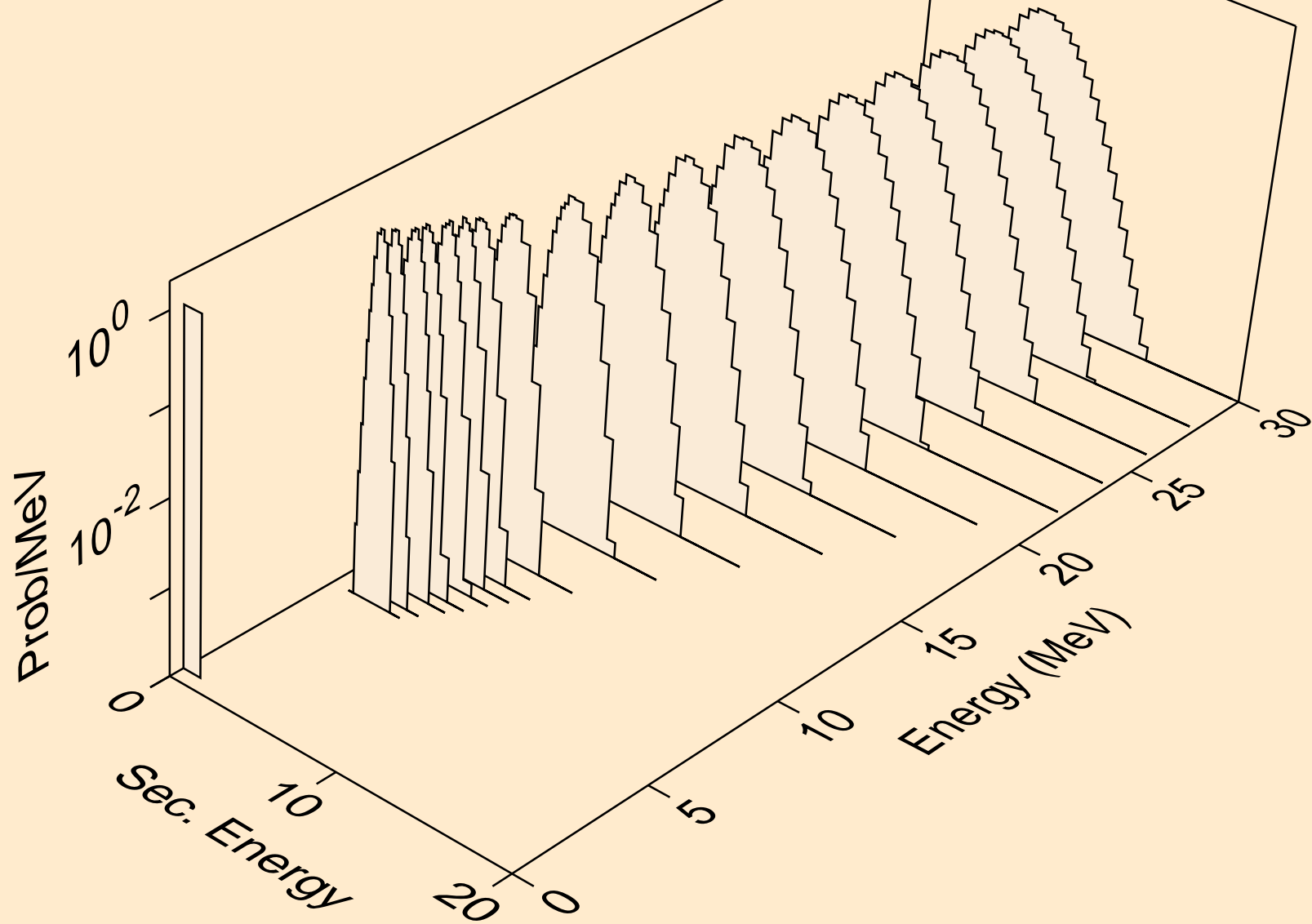
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protons from (n,2p)



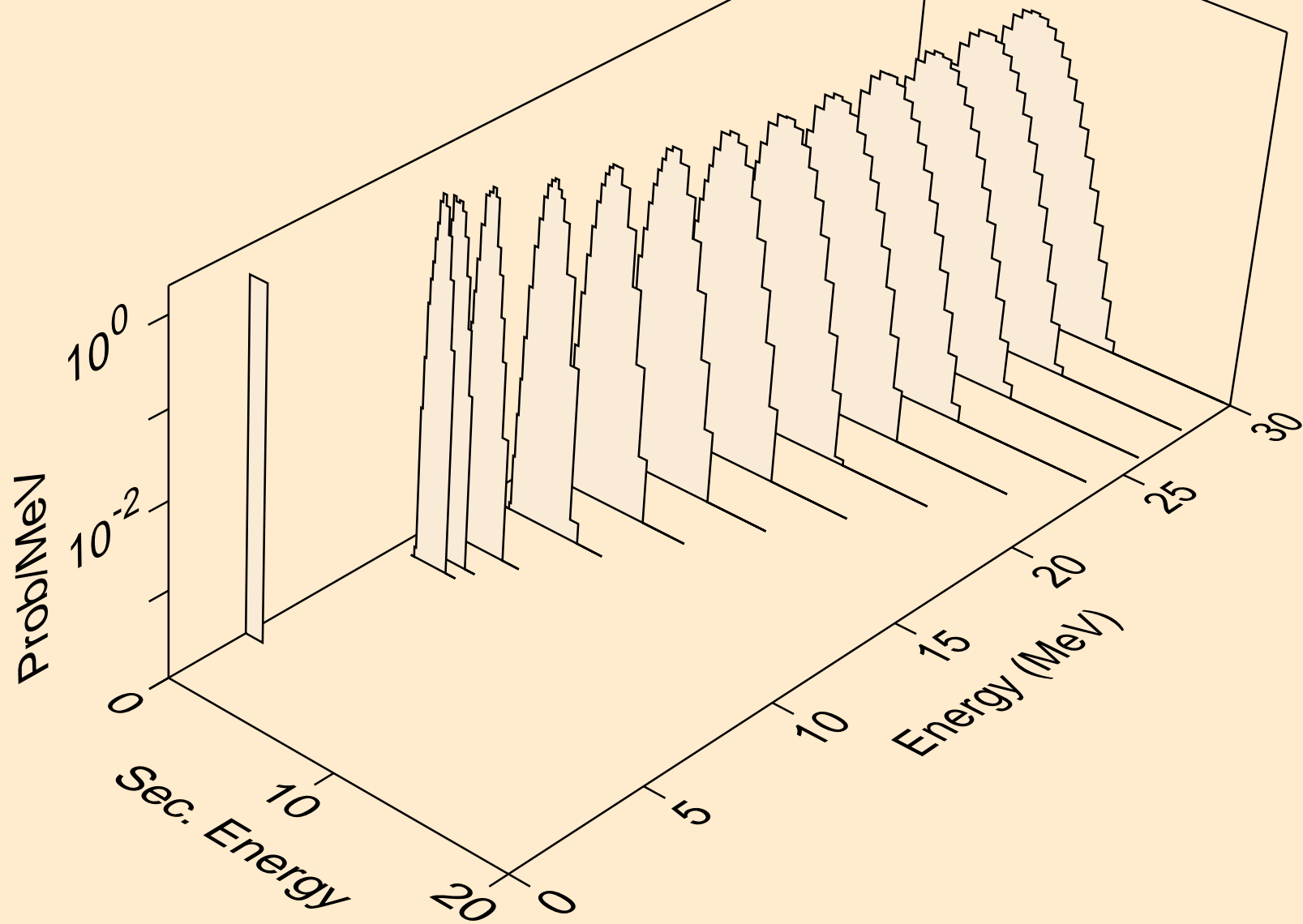
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protons from (n,p)



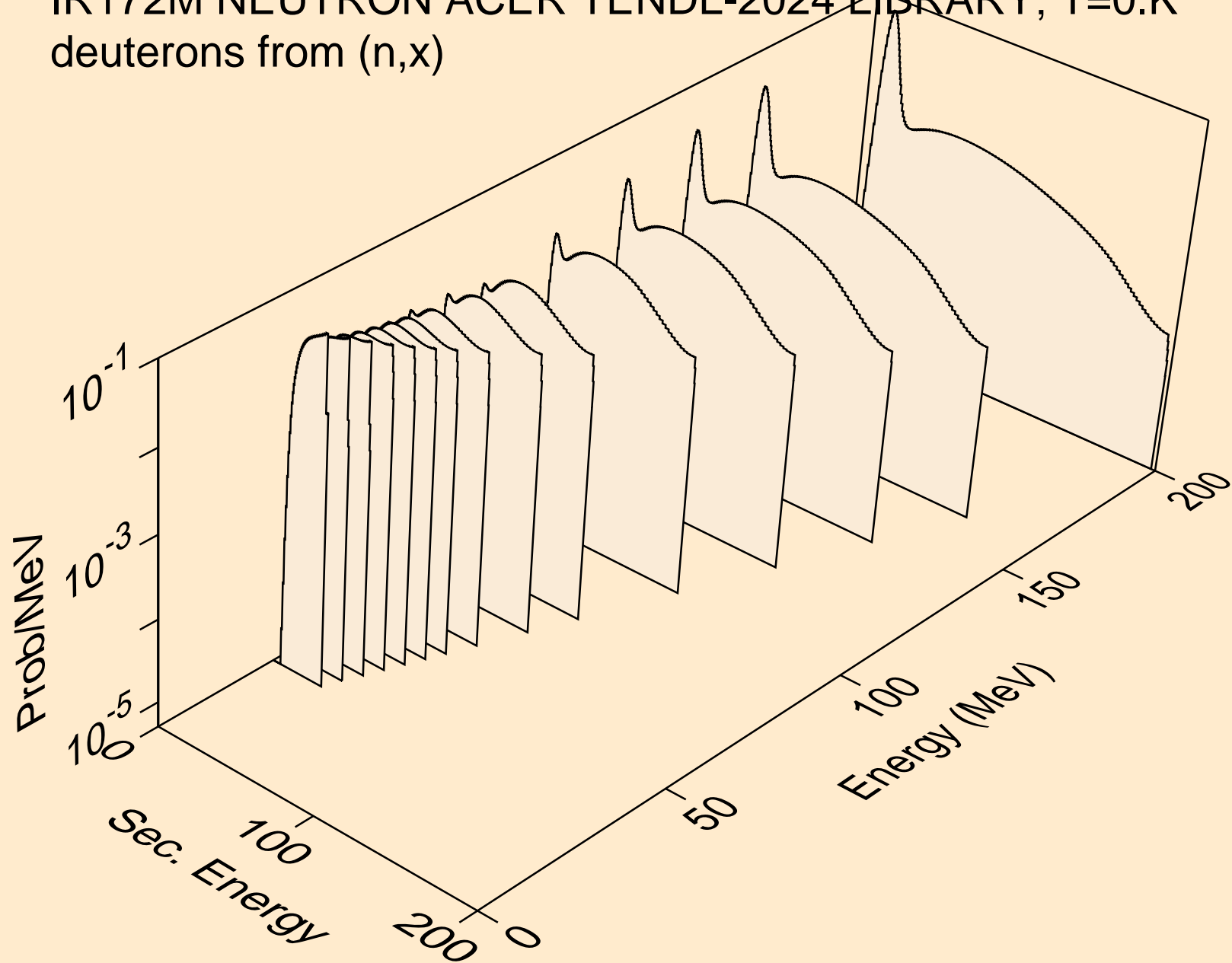
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pd)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
protons from (n,pt)

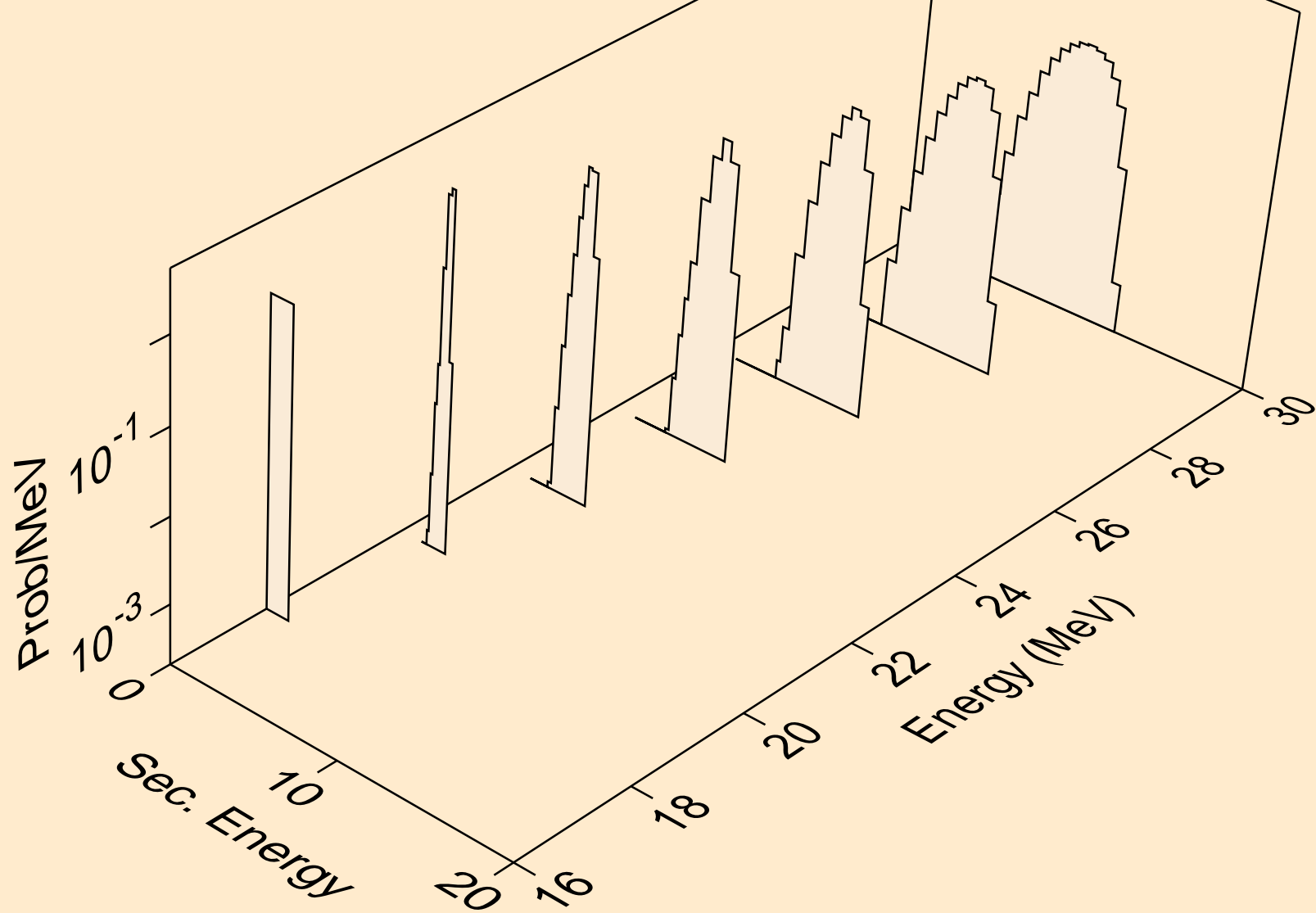


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
deuterons from (n,x)

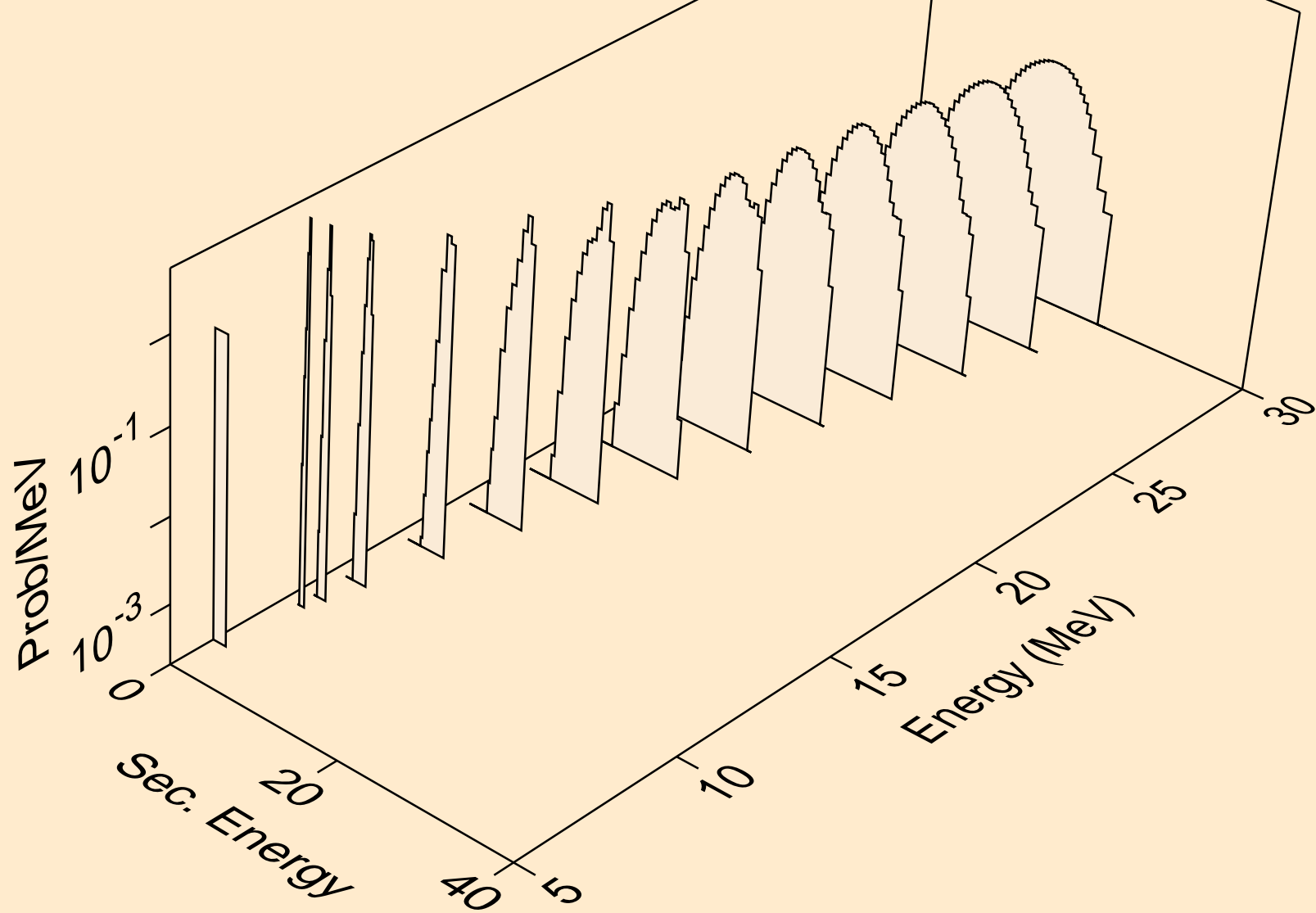




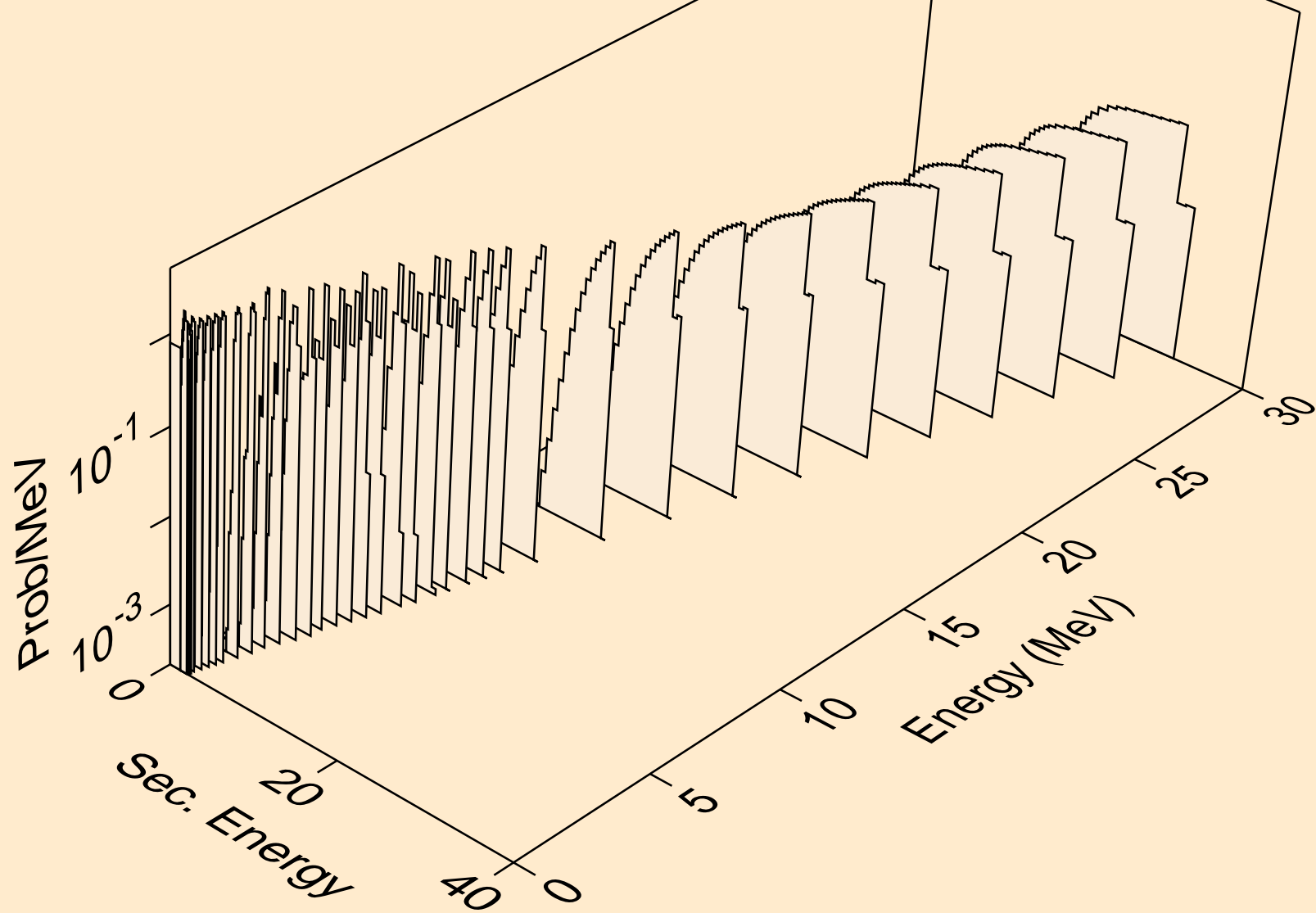
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deuterons from (n,2nd)



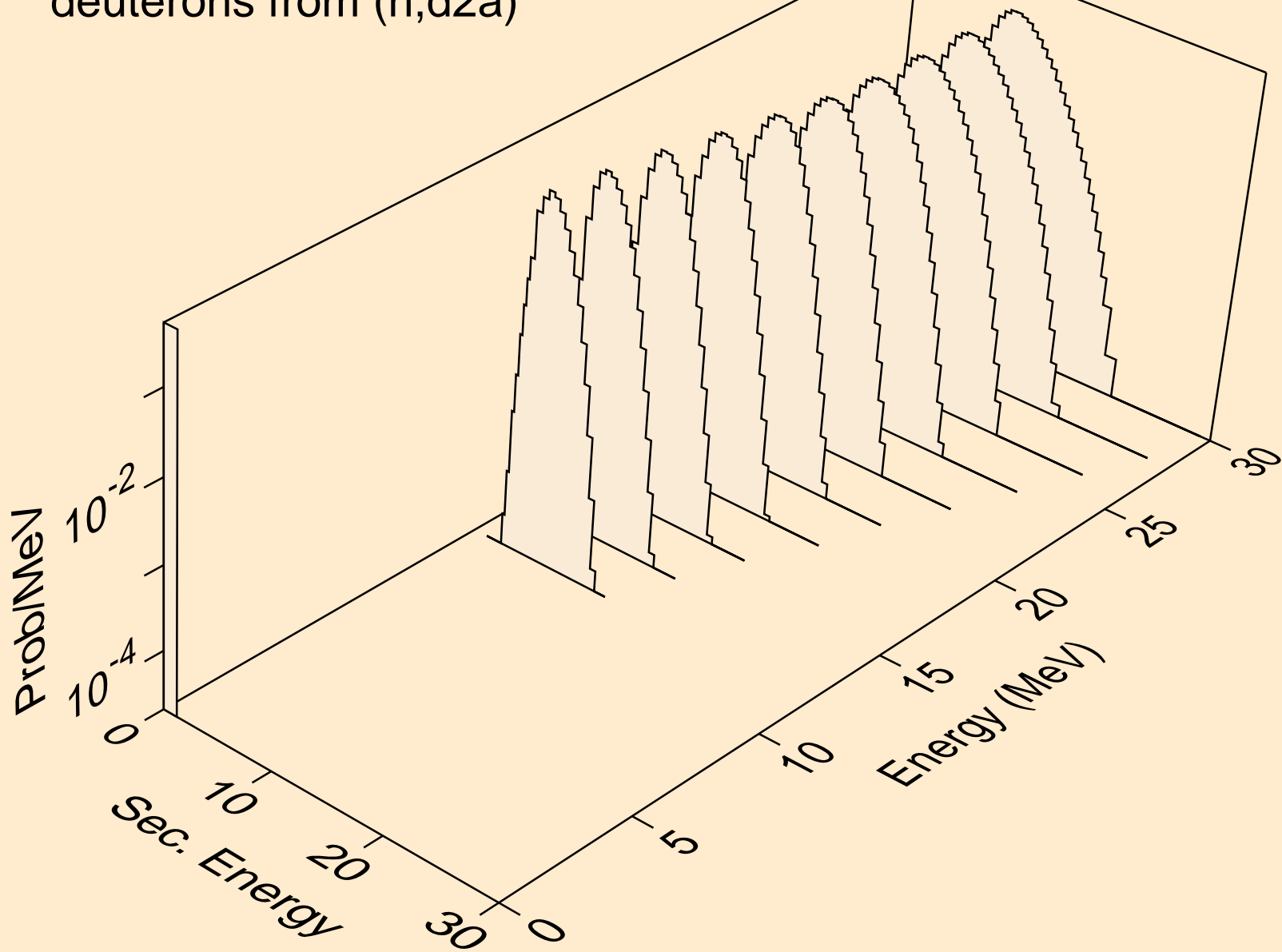
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deuterons from (n,n\*)d



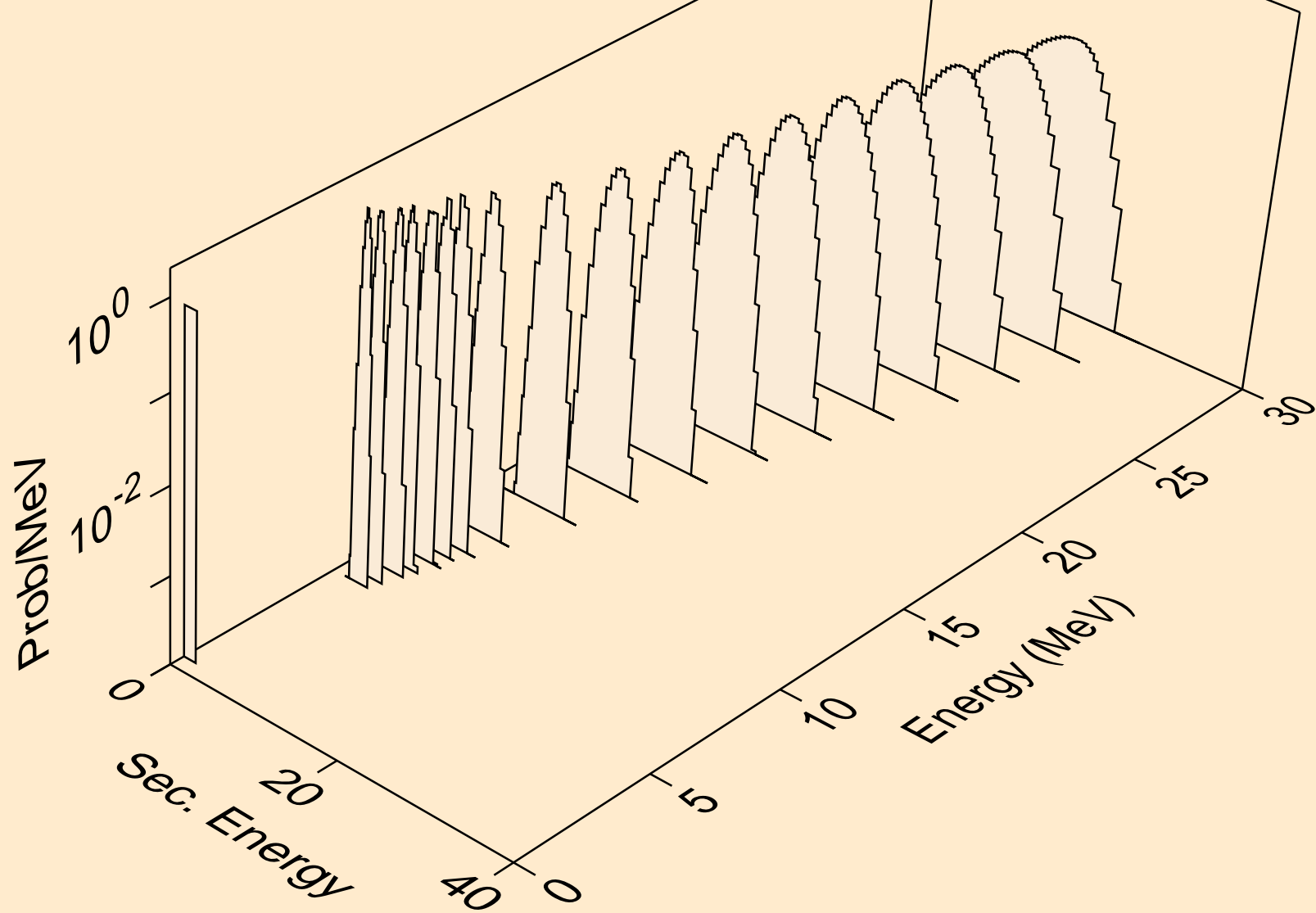
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deuterons from (n,d)



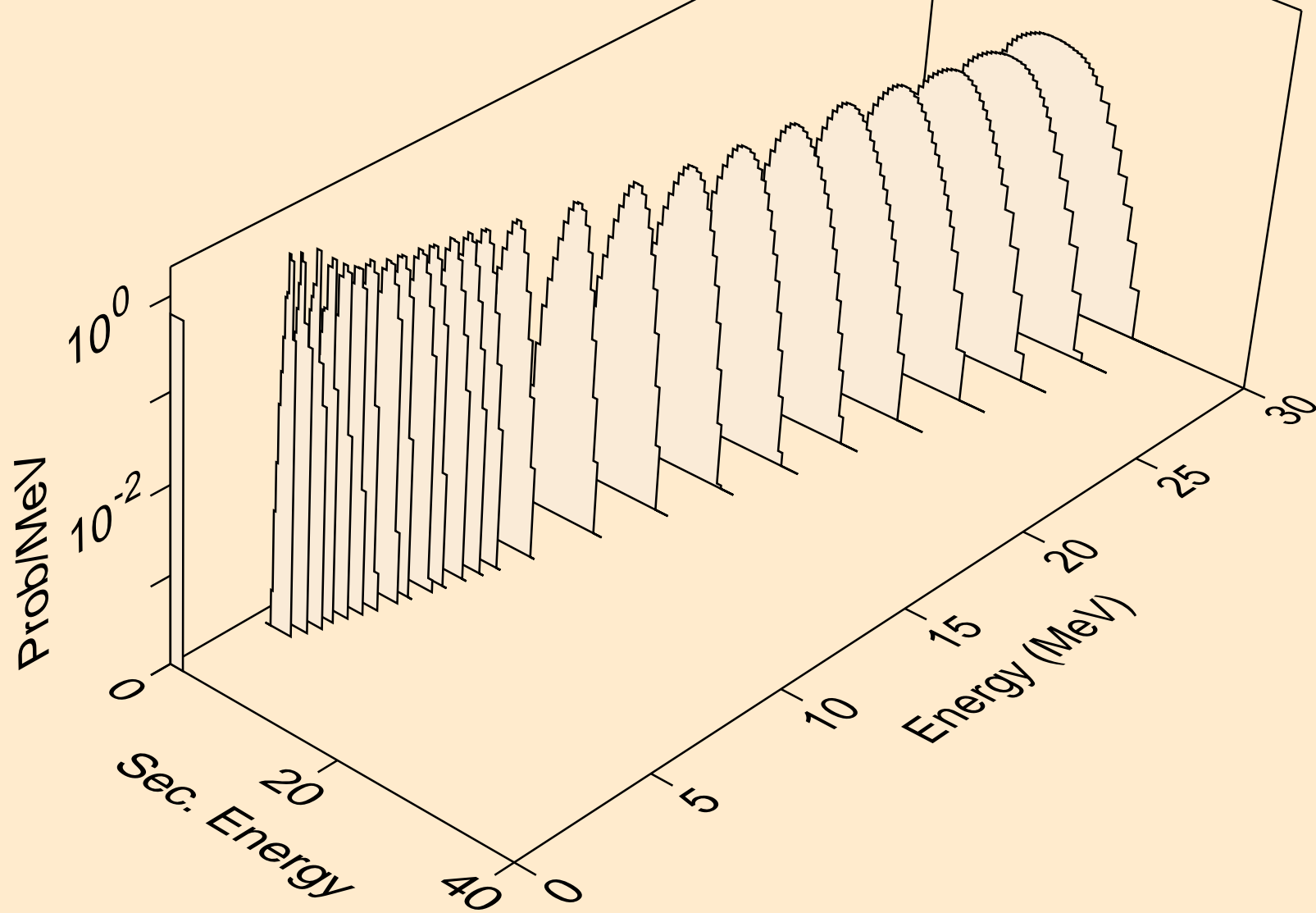
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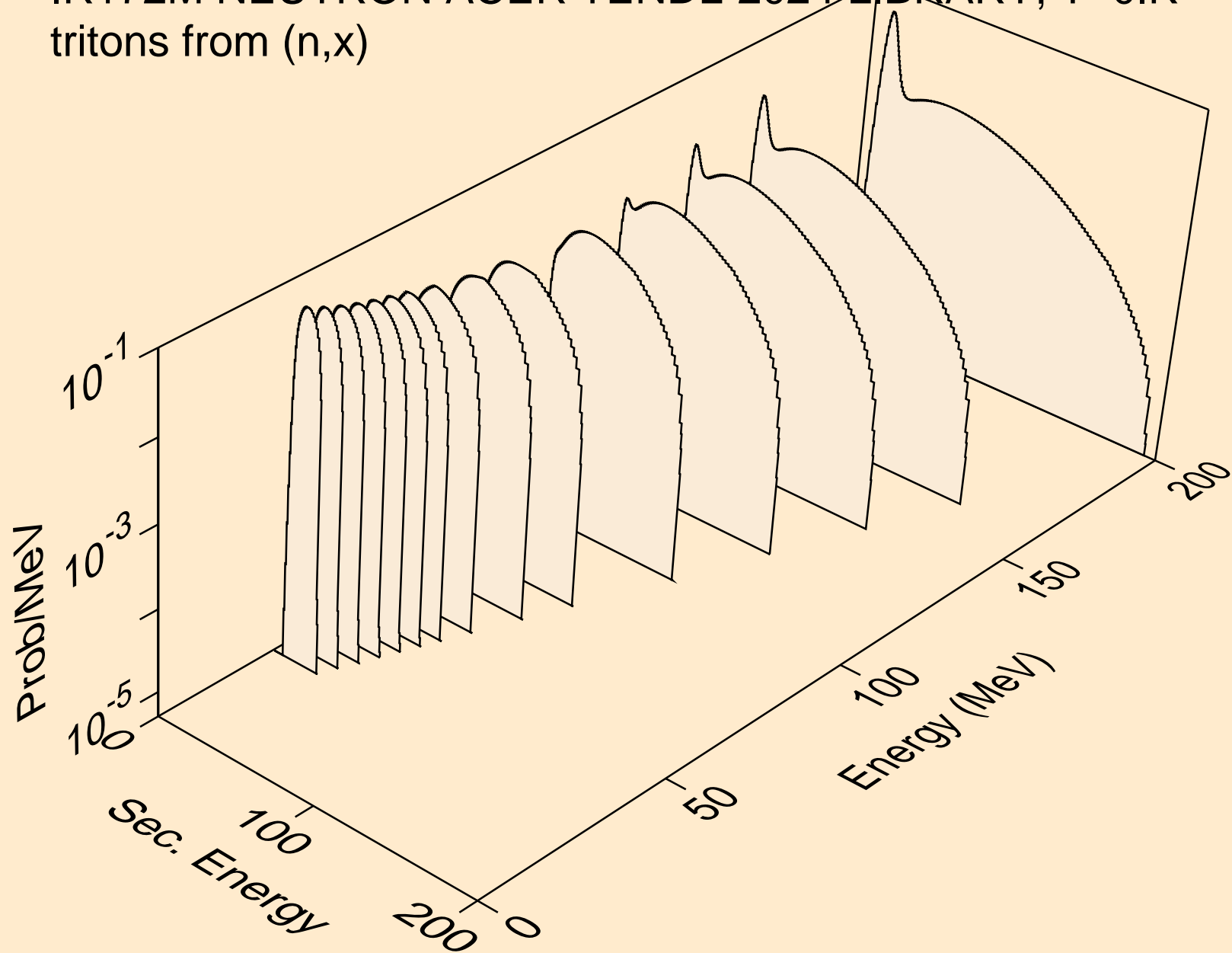
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deuterons from (n,pd)



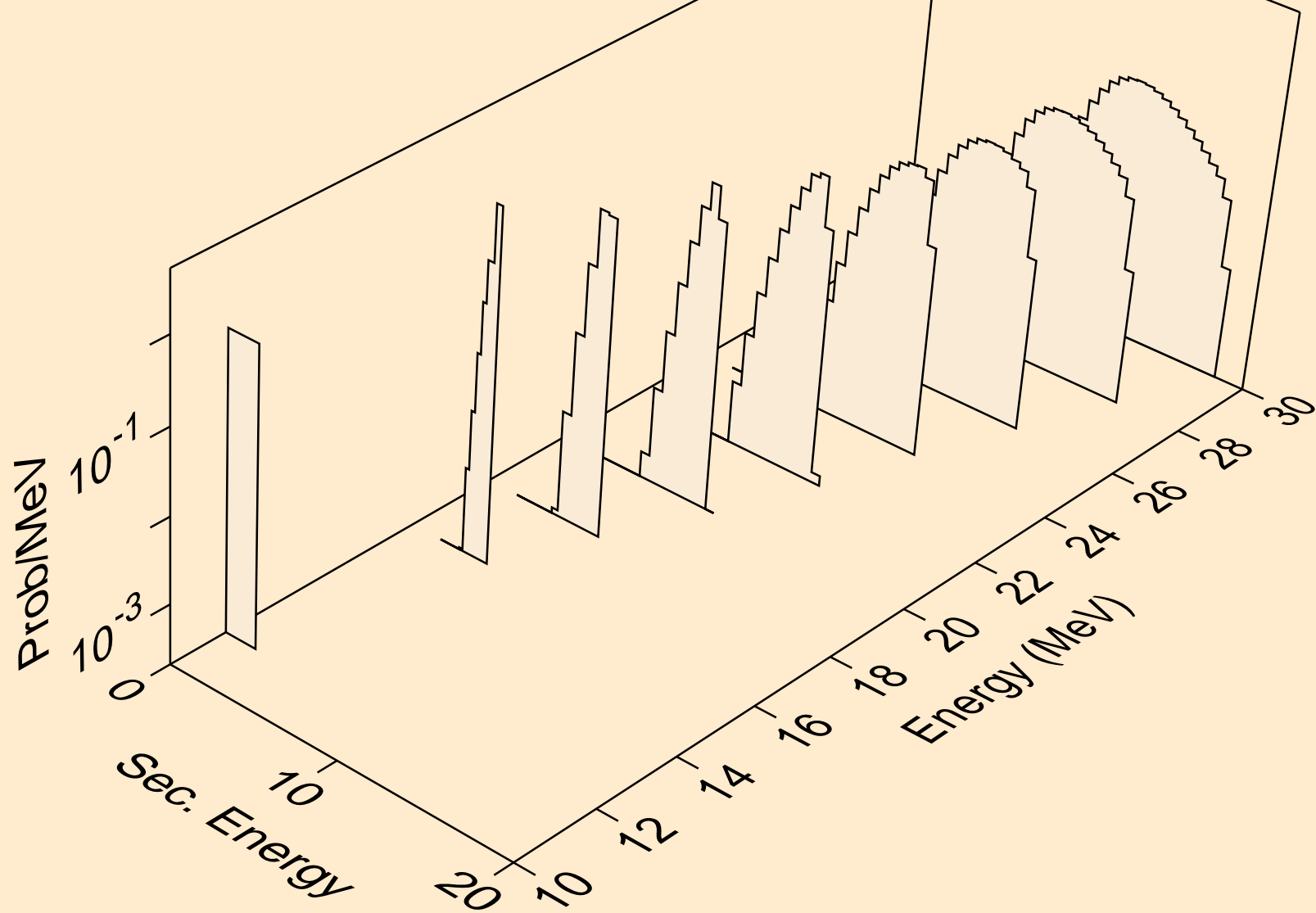
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deuterons from (n,da)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,x)

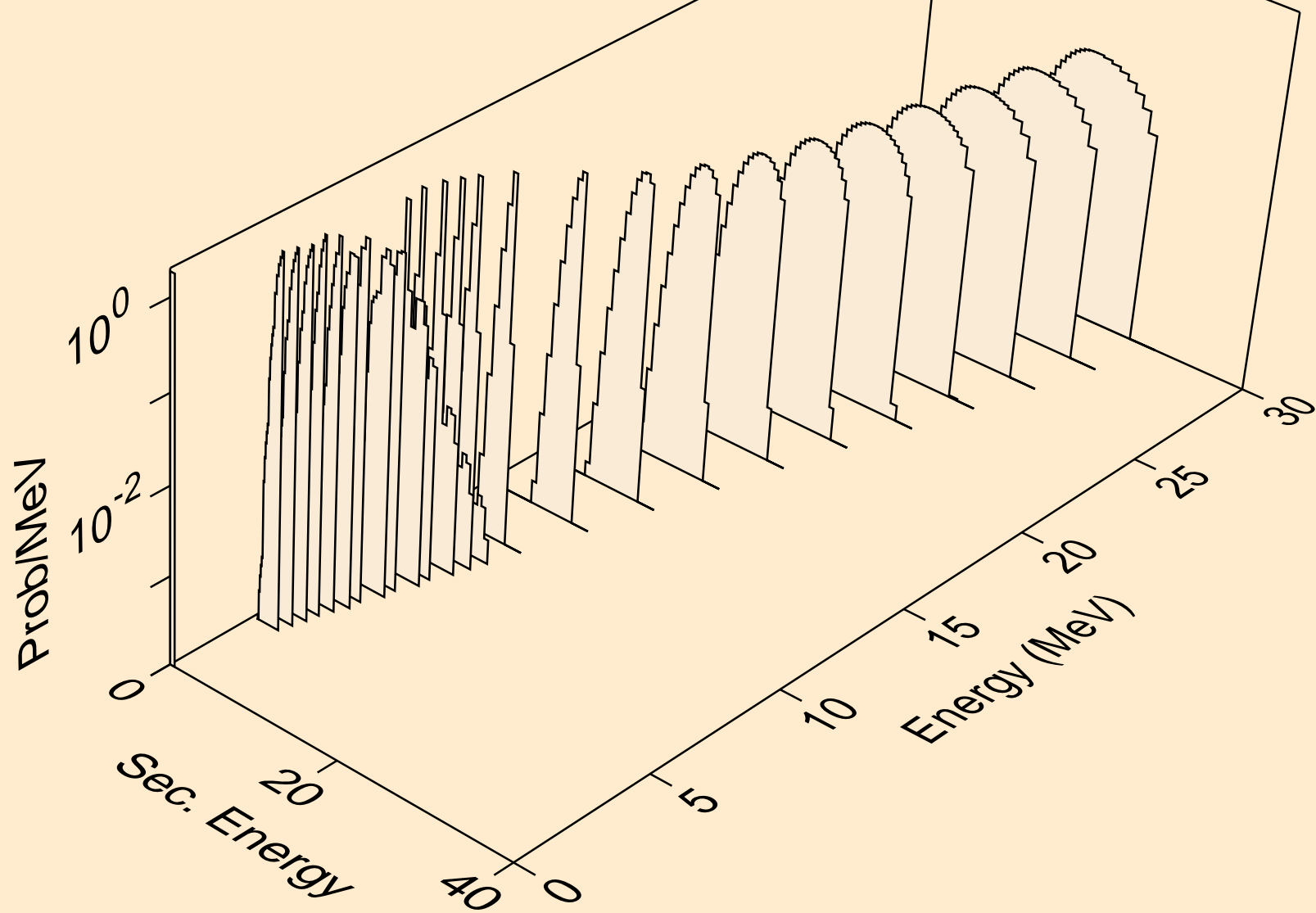


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
tritons from (n,n\*)t

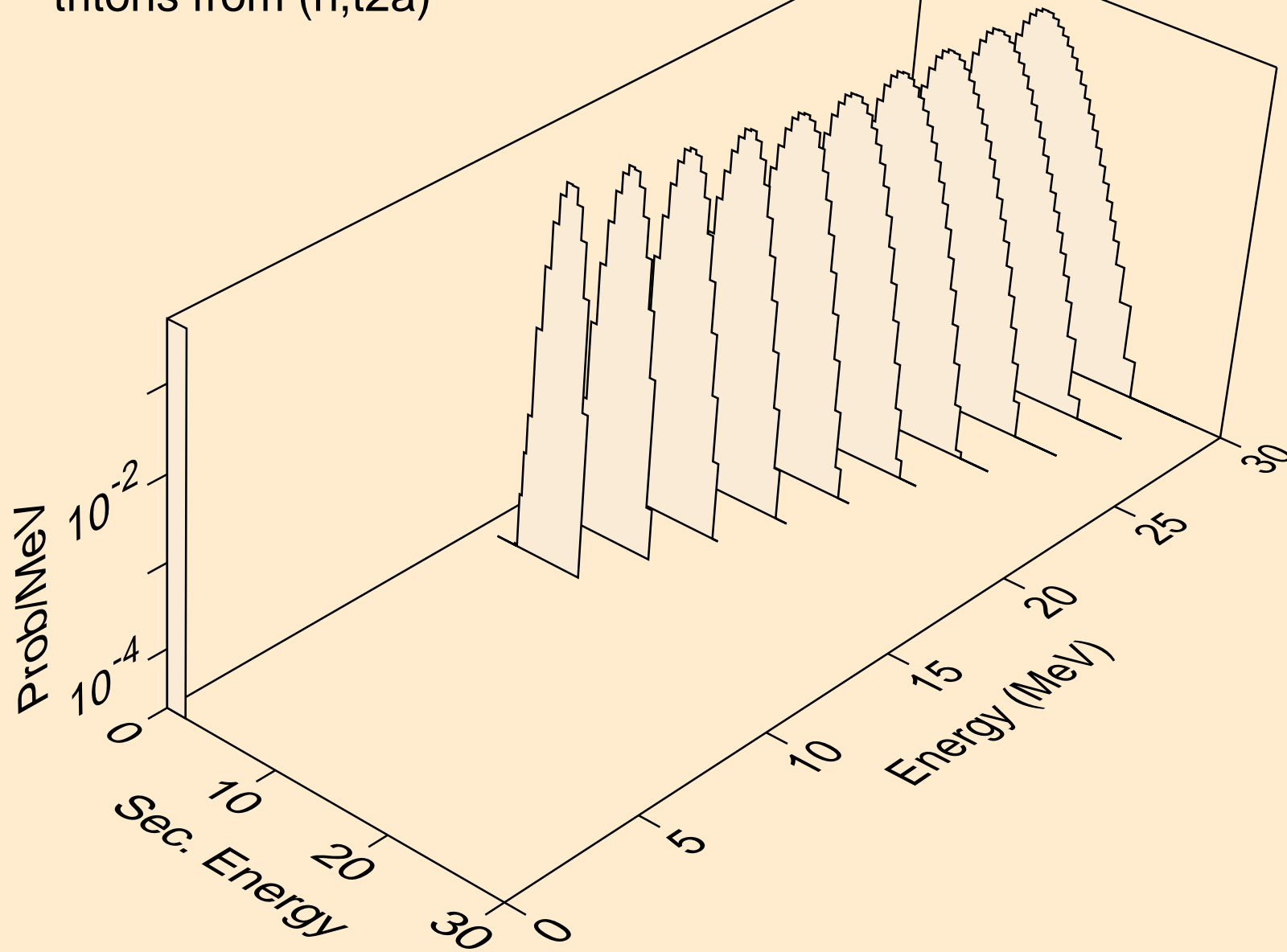




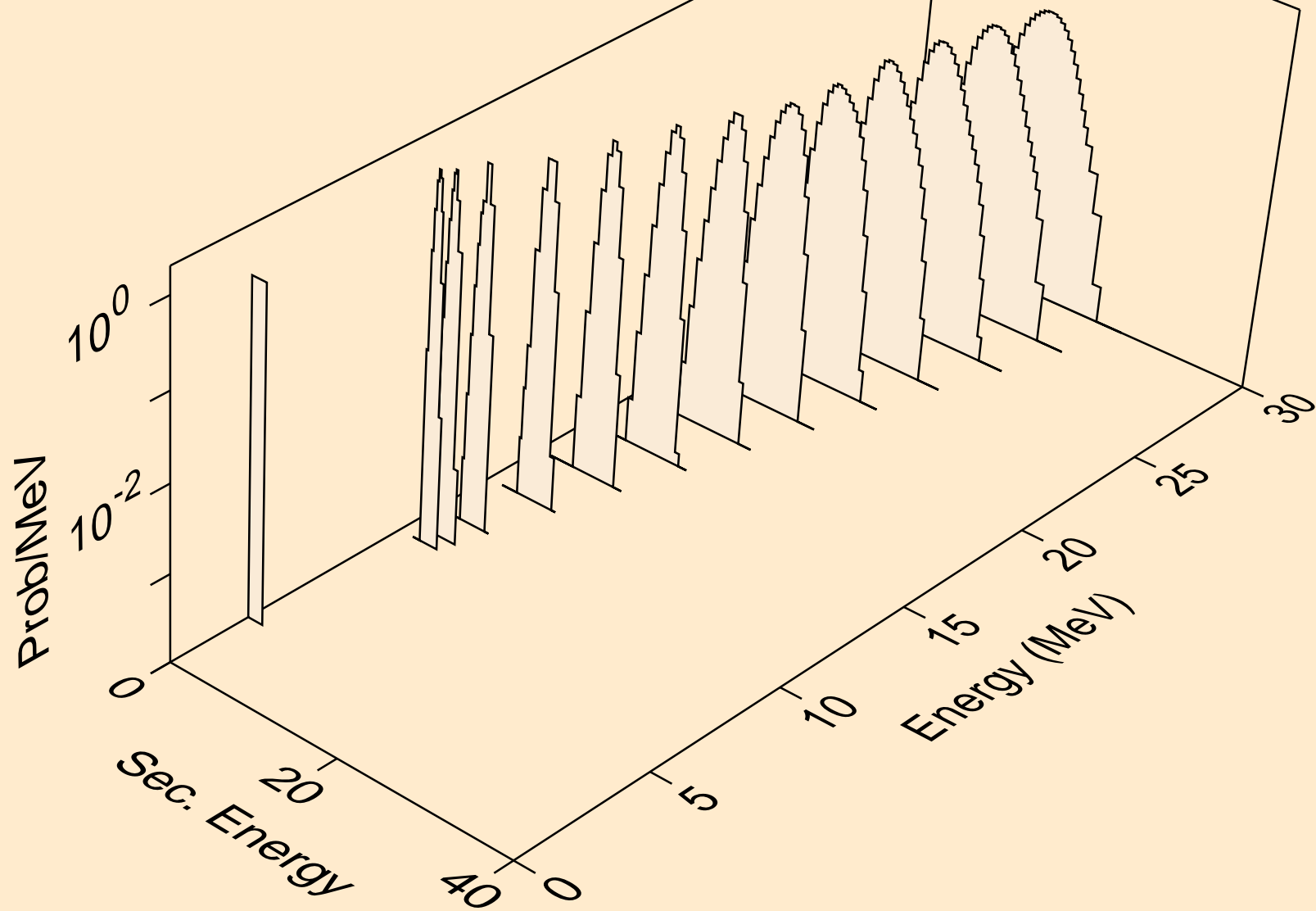
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tritons from (n,t)



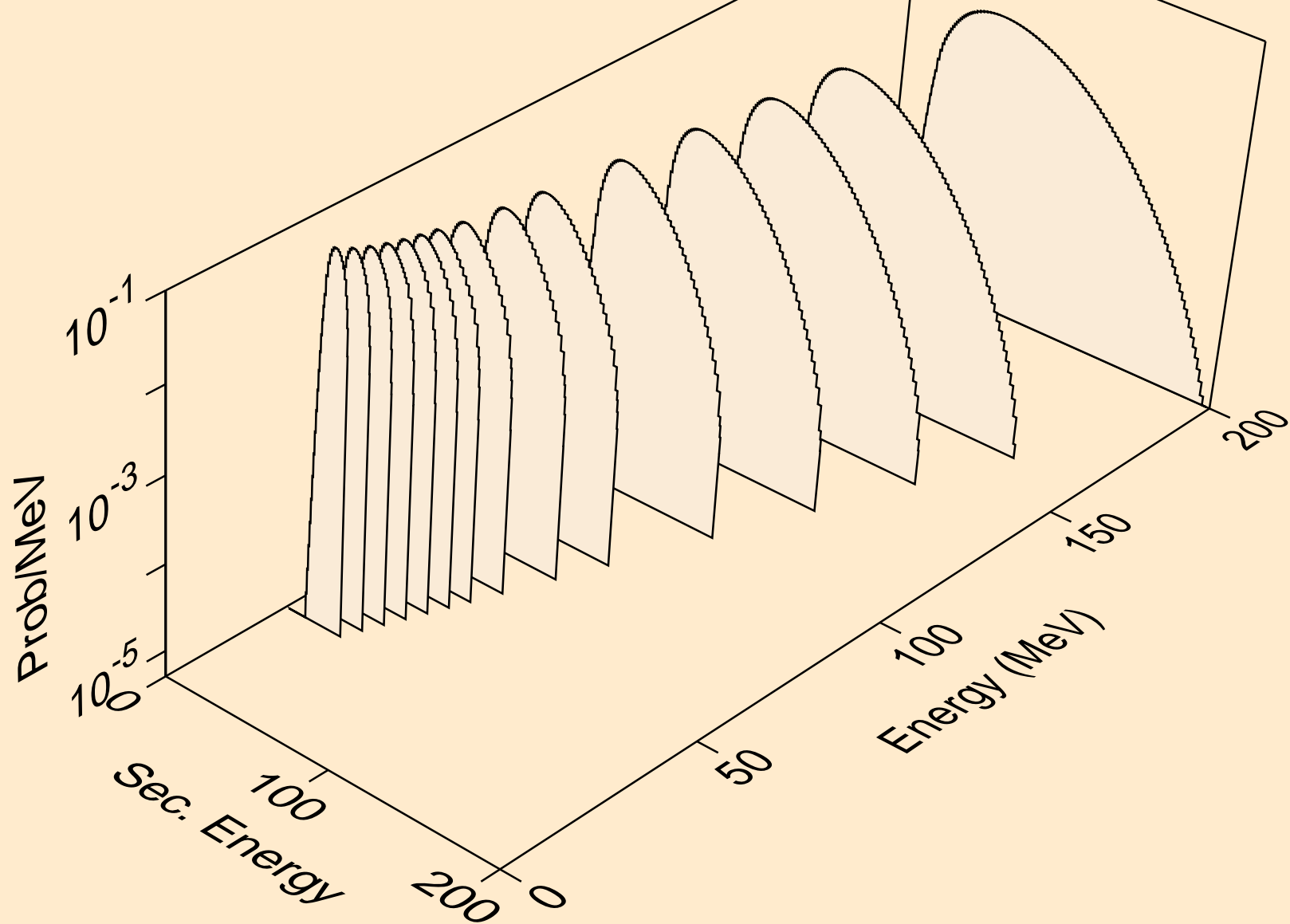
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tritons from (n,t2a)



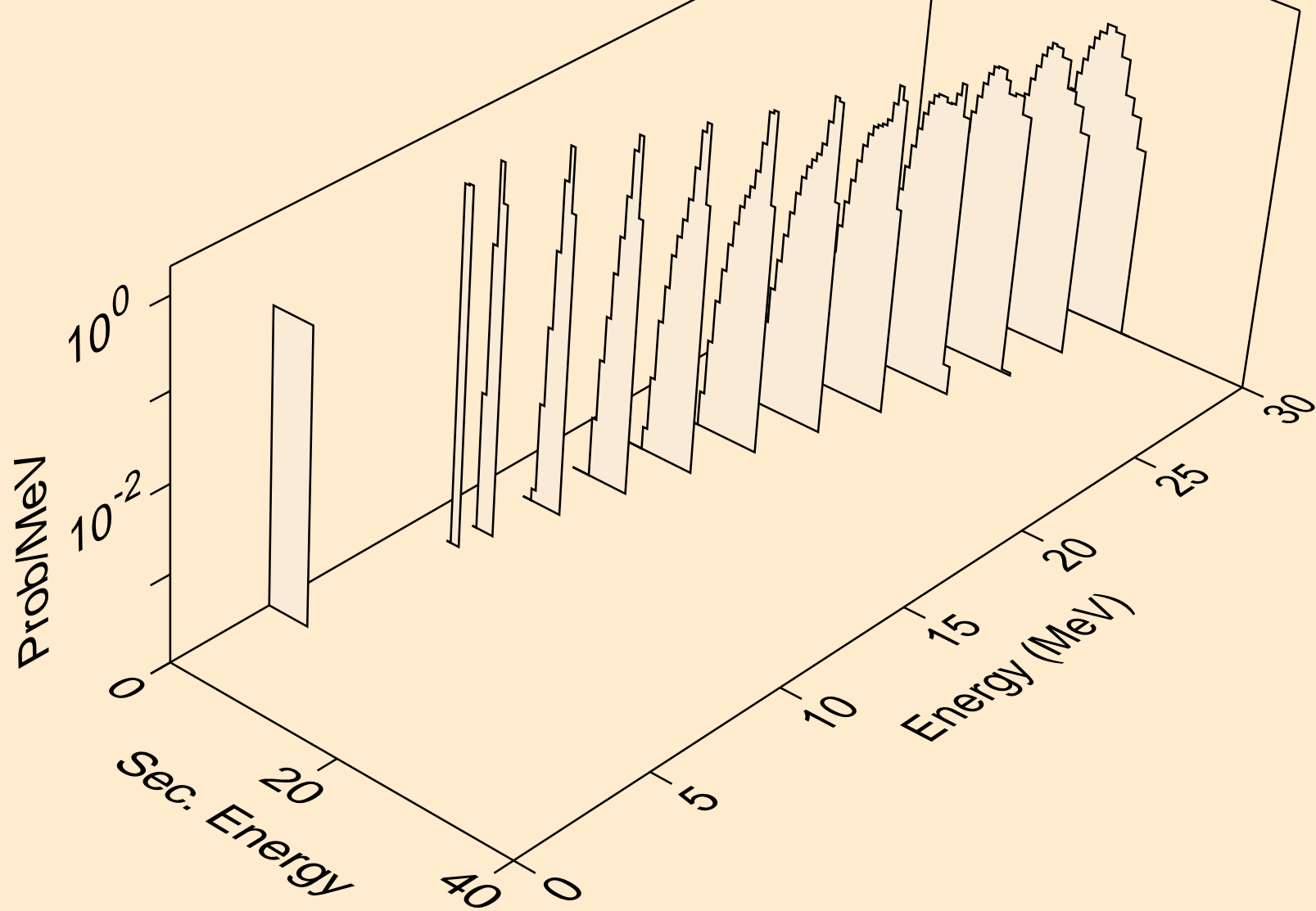
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tritons from (n,pt)



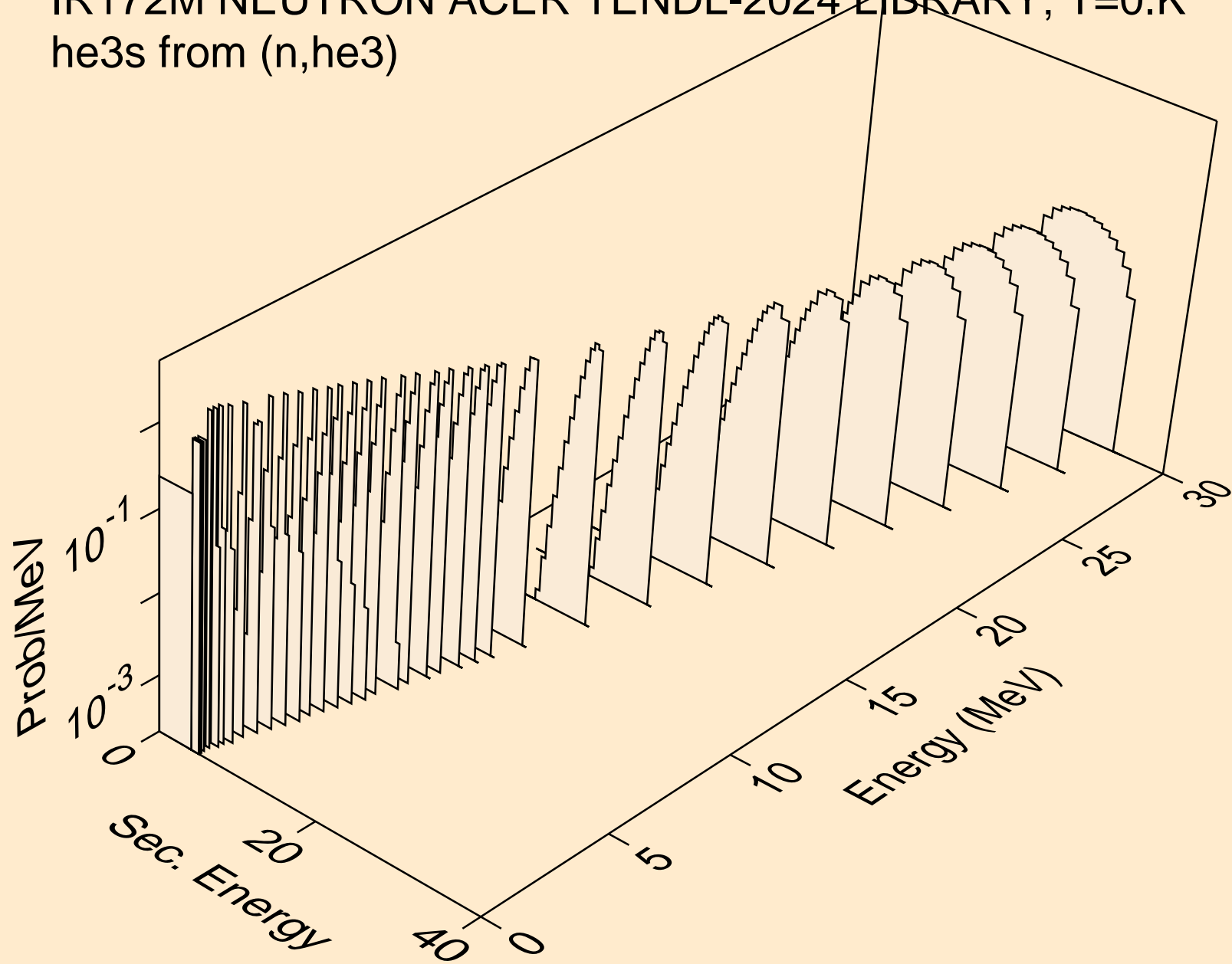
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he3s from (n,x)



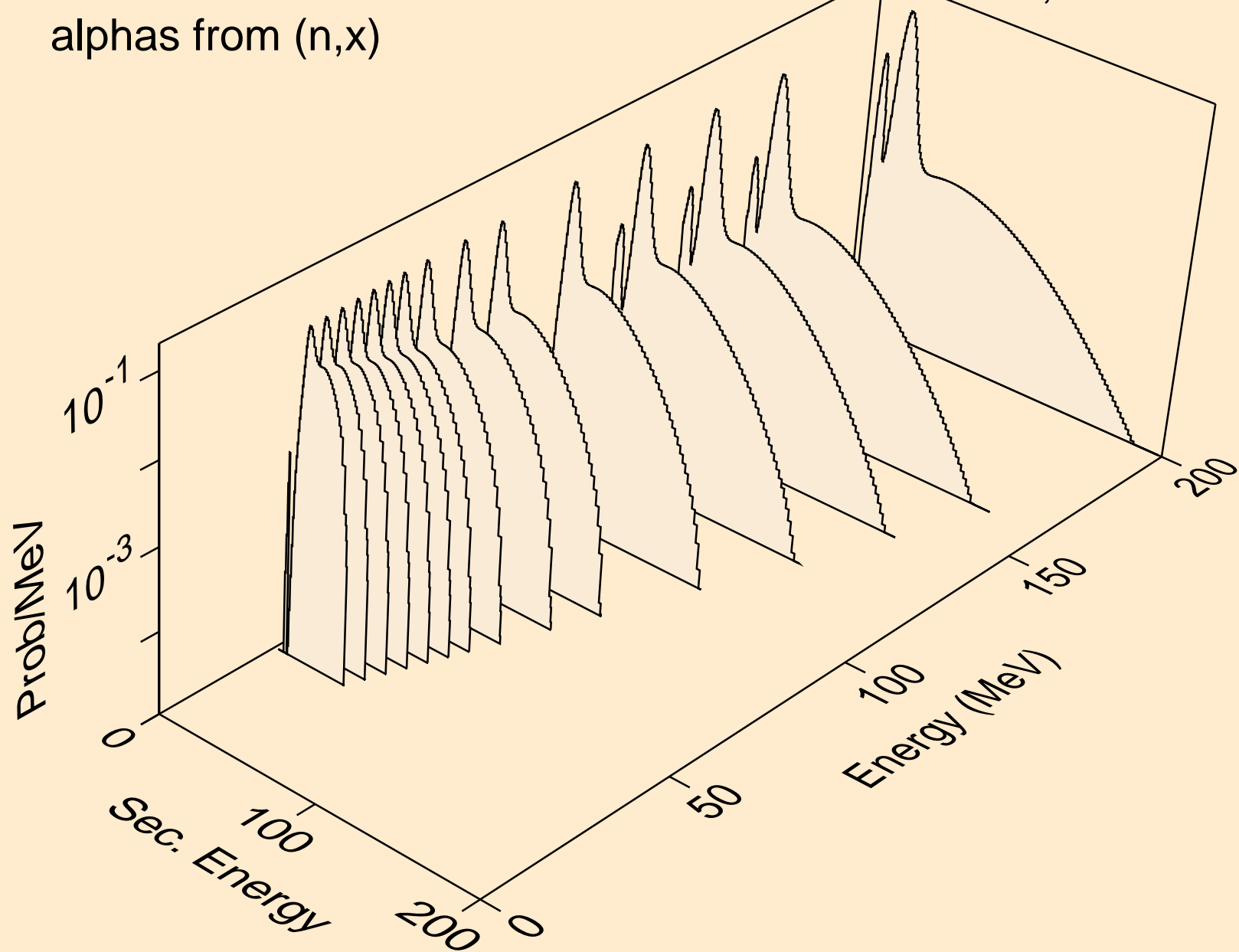
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,n\*)he3



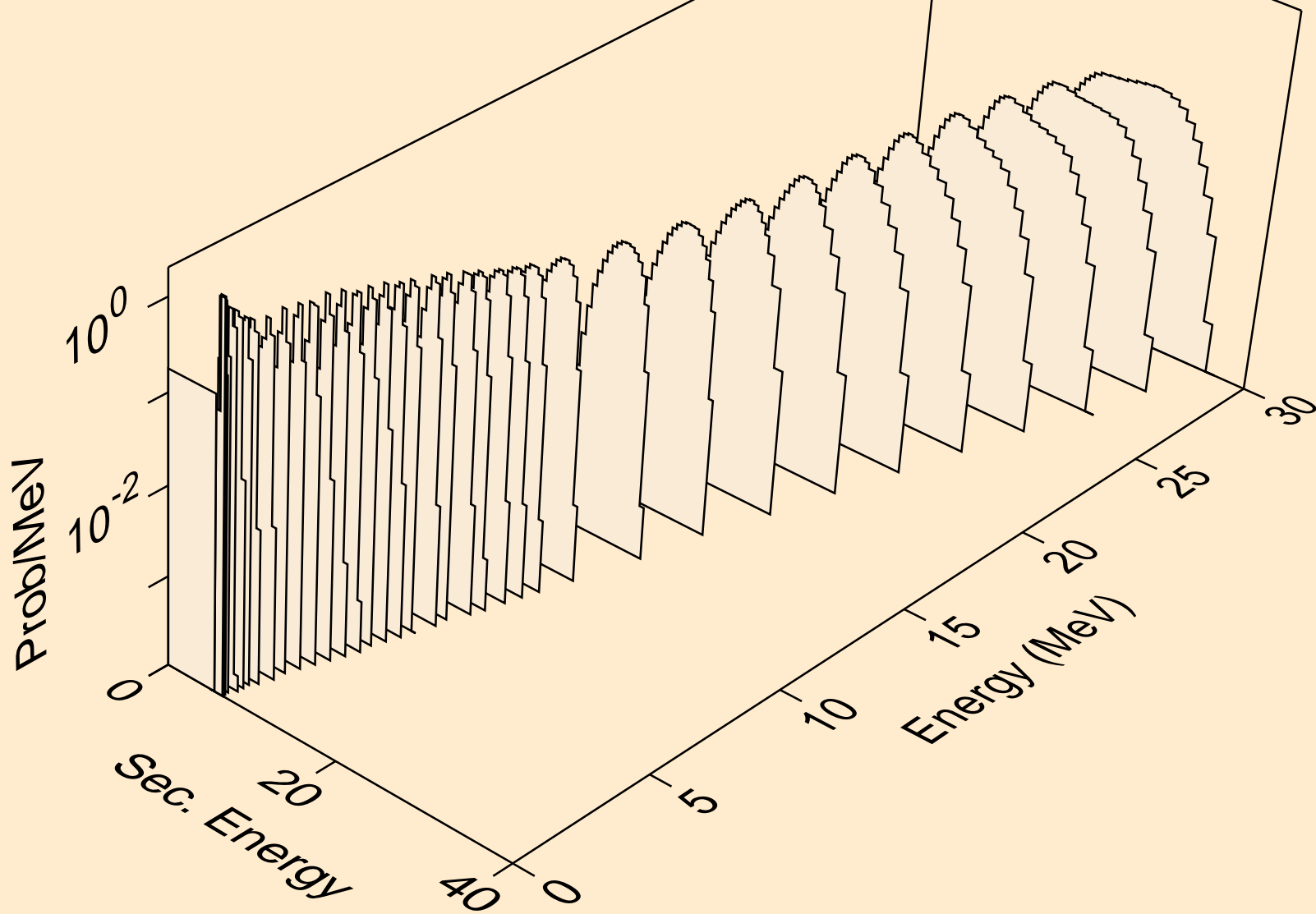
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
he3s from (n,he3)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,x)

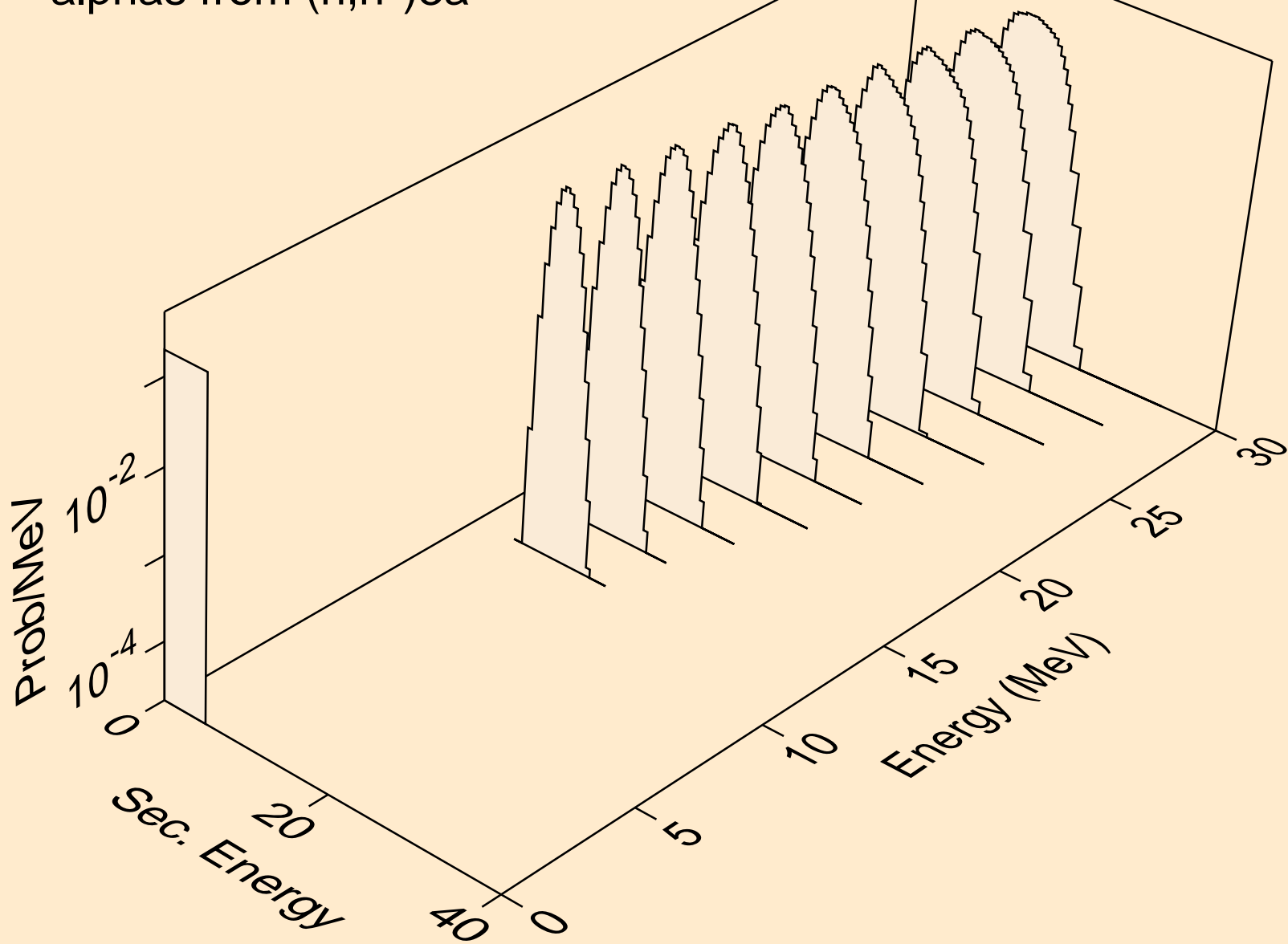


IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,n\*)a

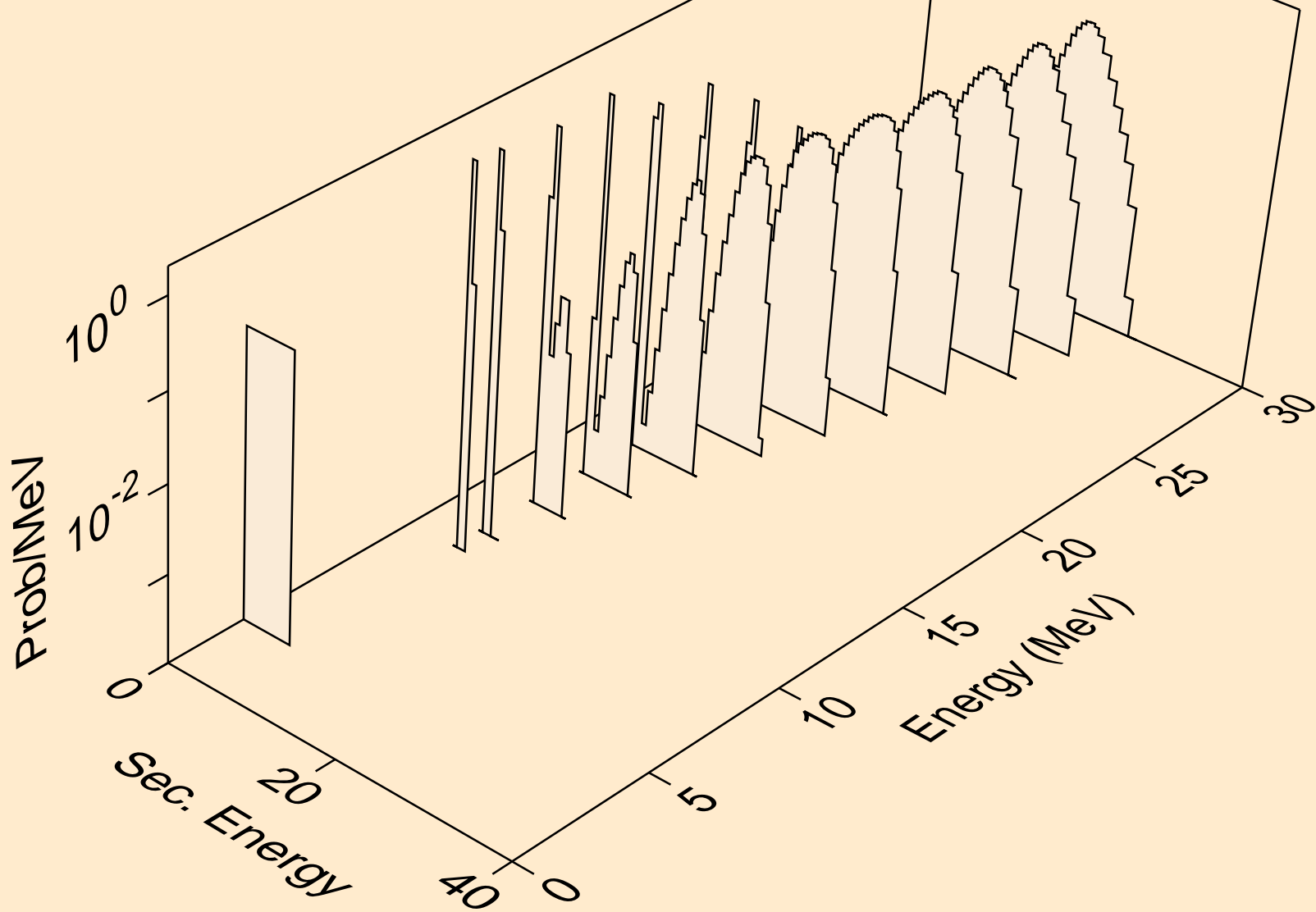




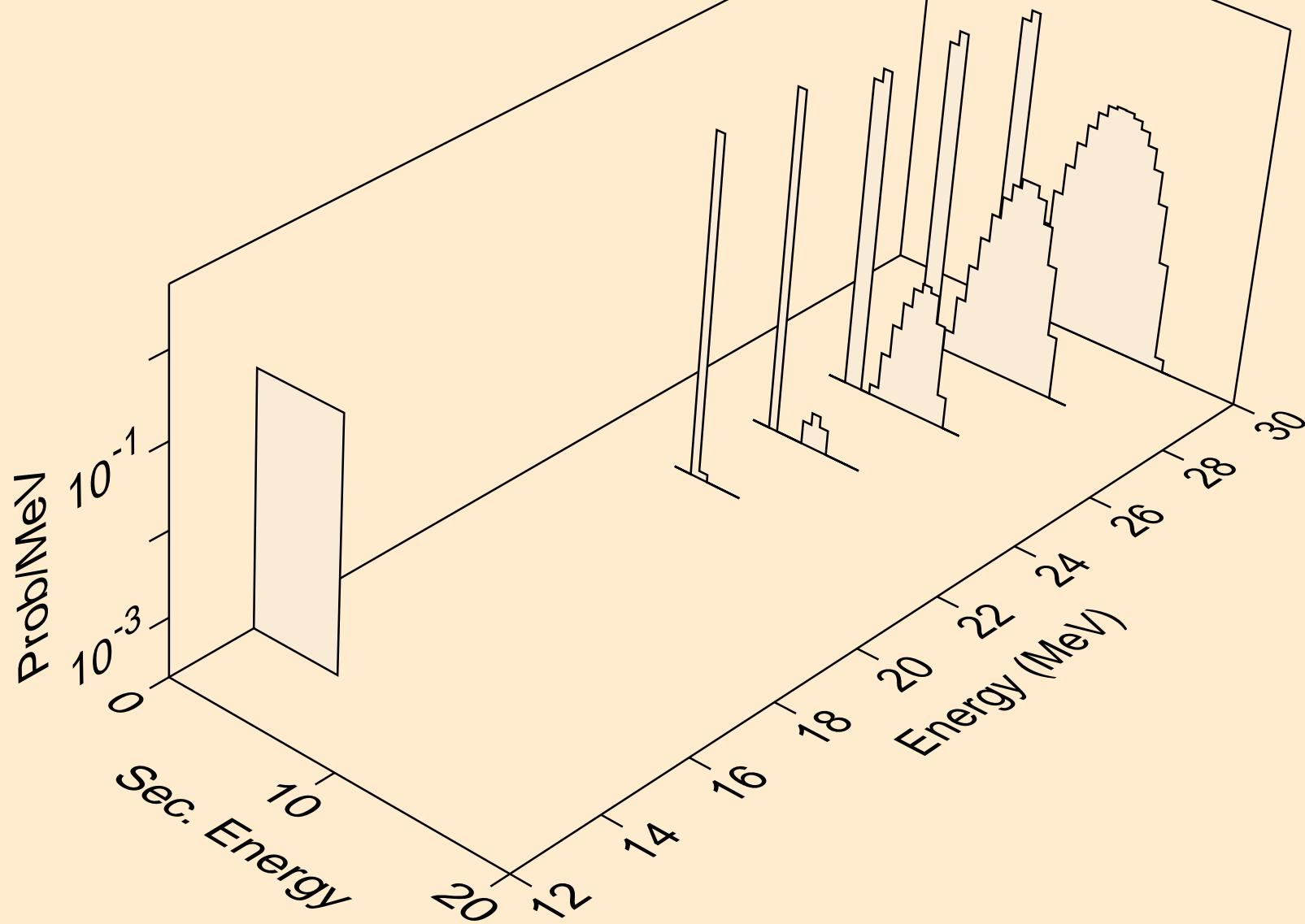
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alphas from (n,n\*)3a



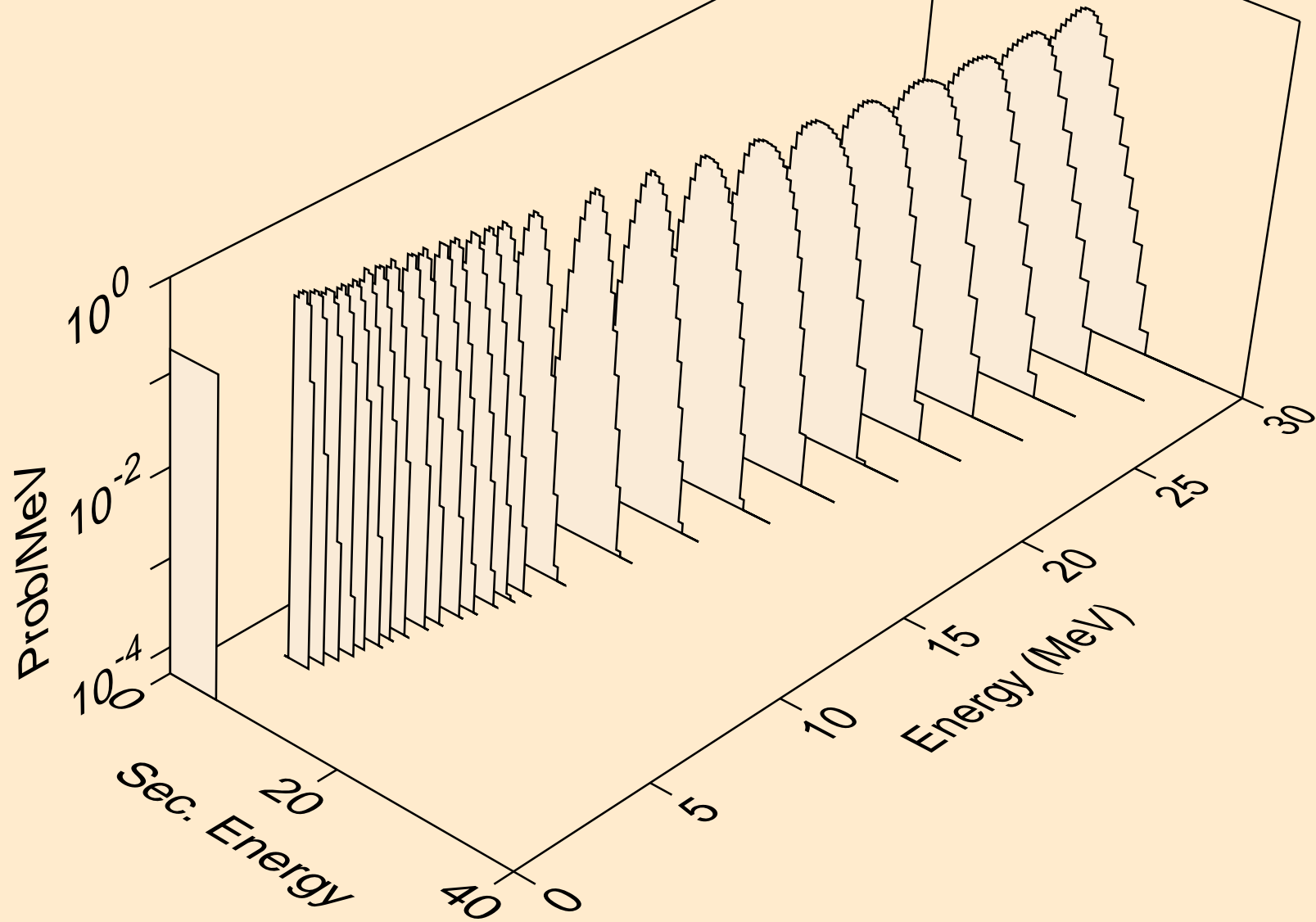
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alphas from (n,2n)a



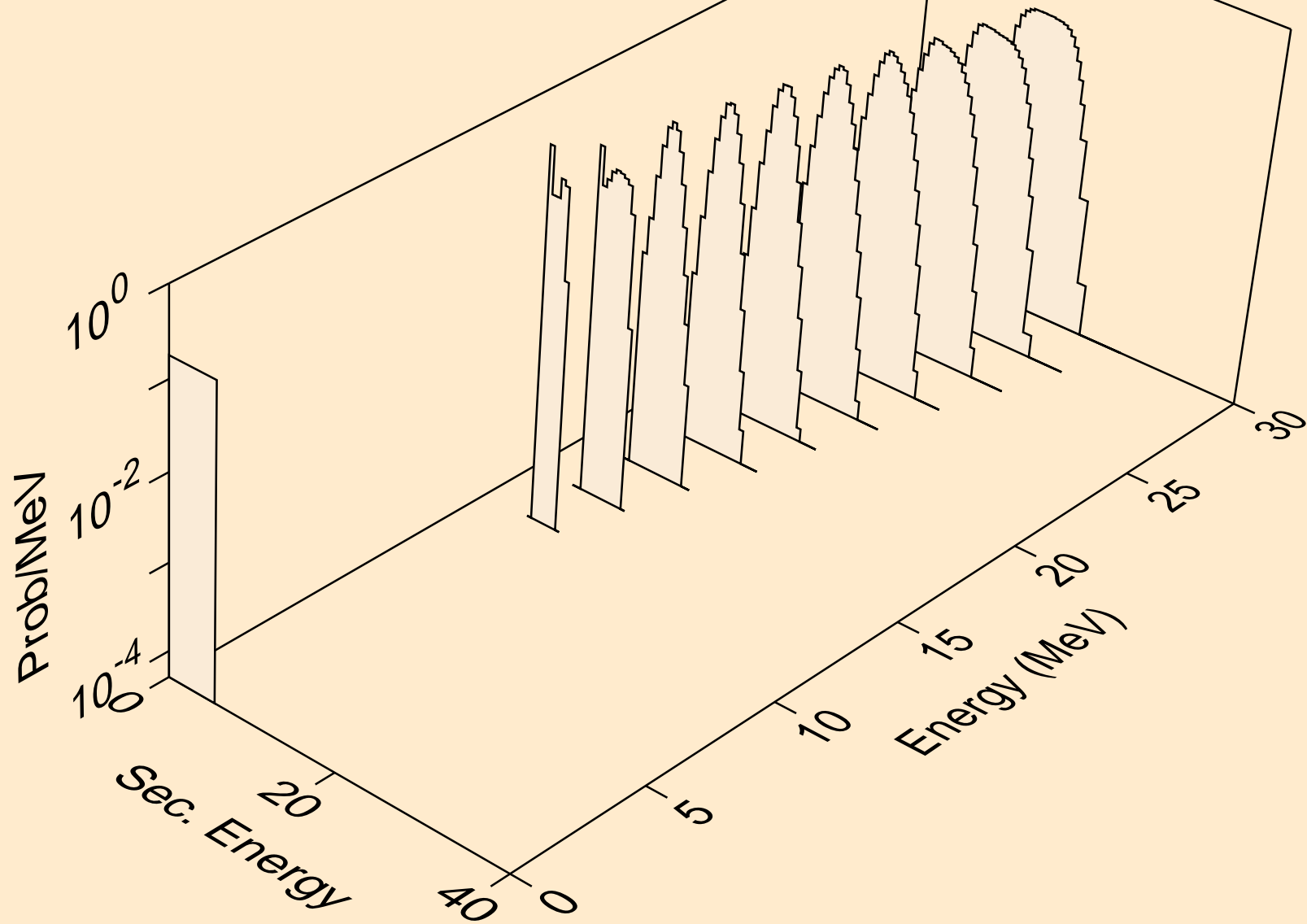
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alphas from (n,3n)a



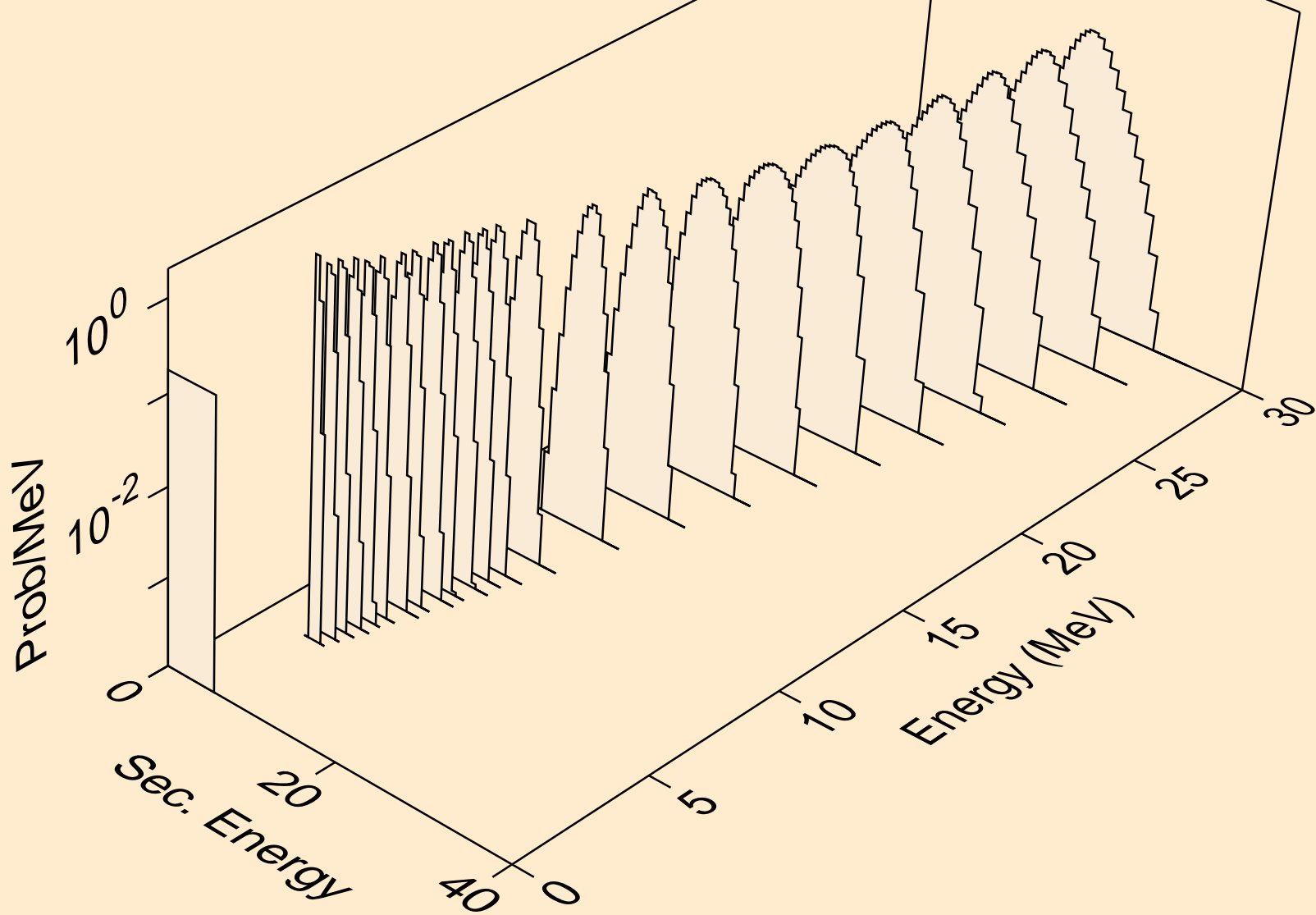
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alphas from (n,n\*)2a



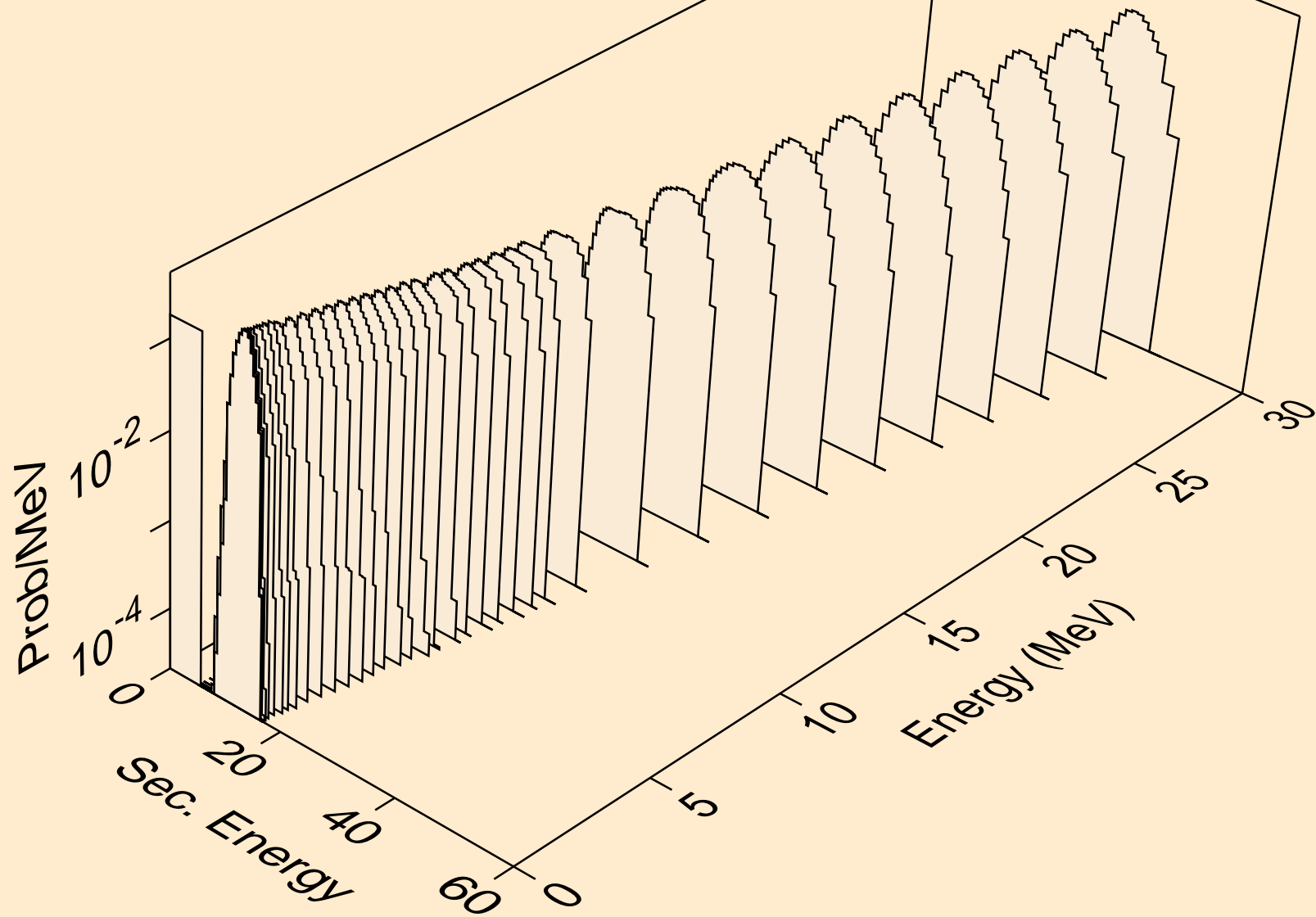
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alphas from (n,2n)2a



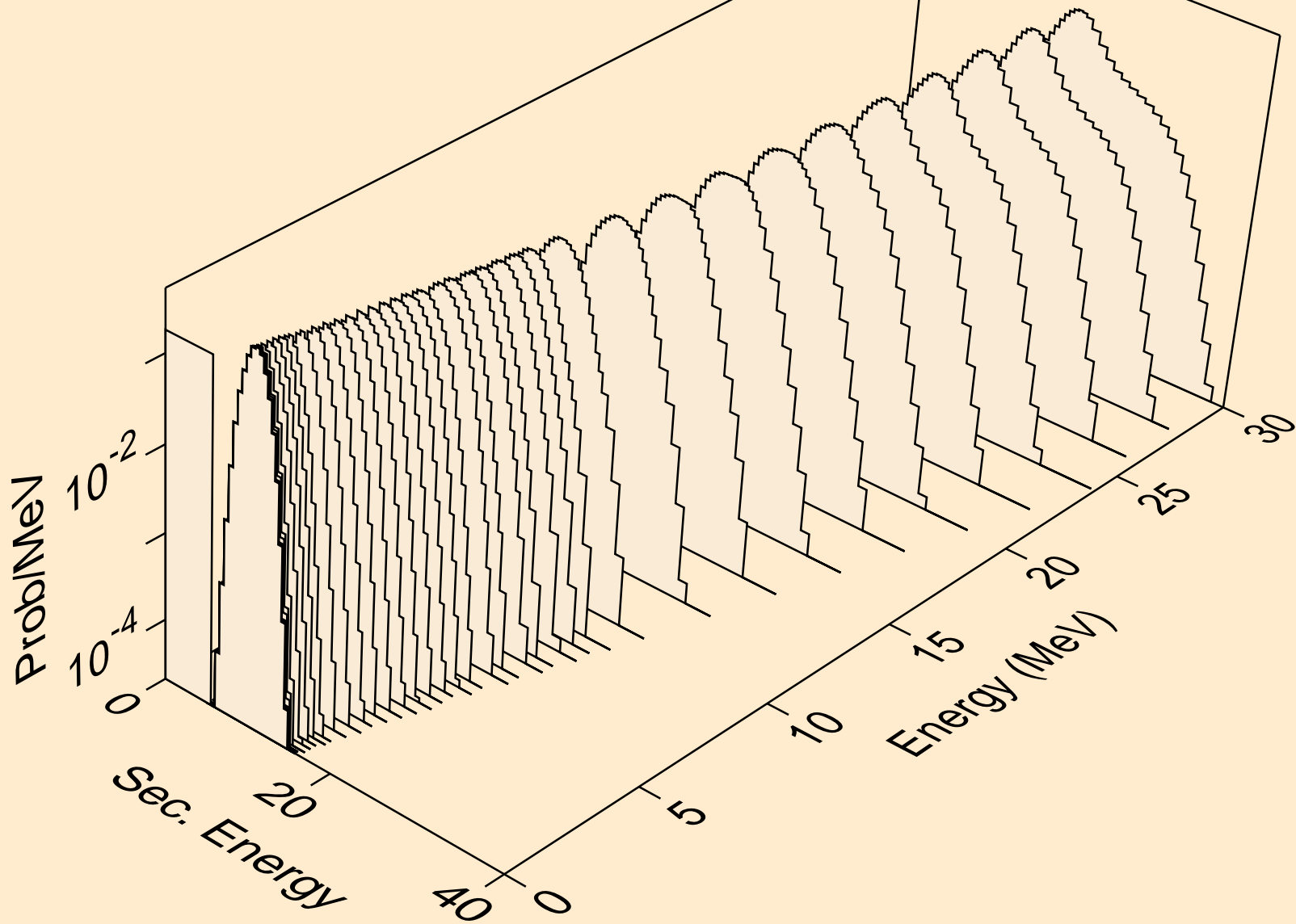
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,npa)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,a)

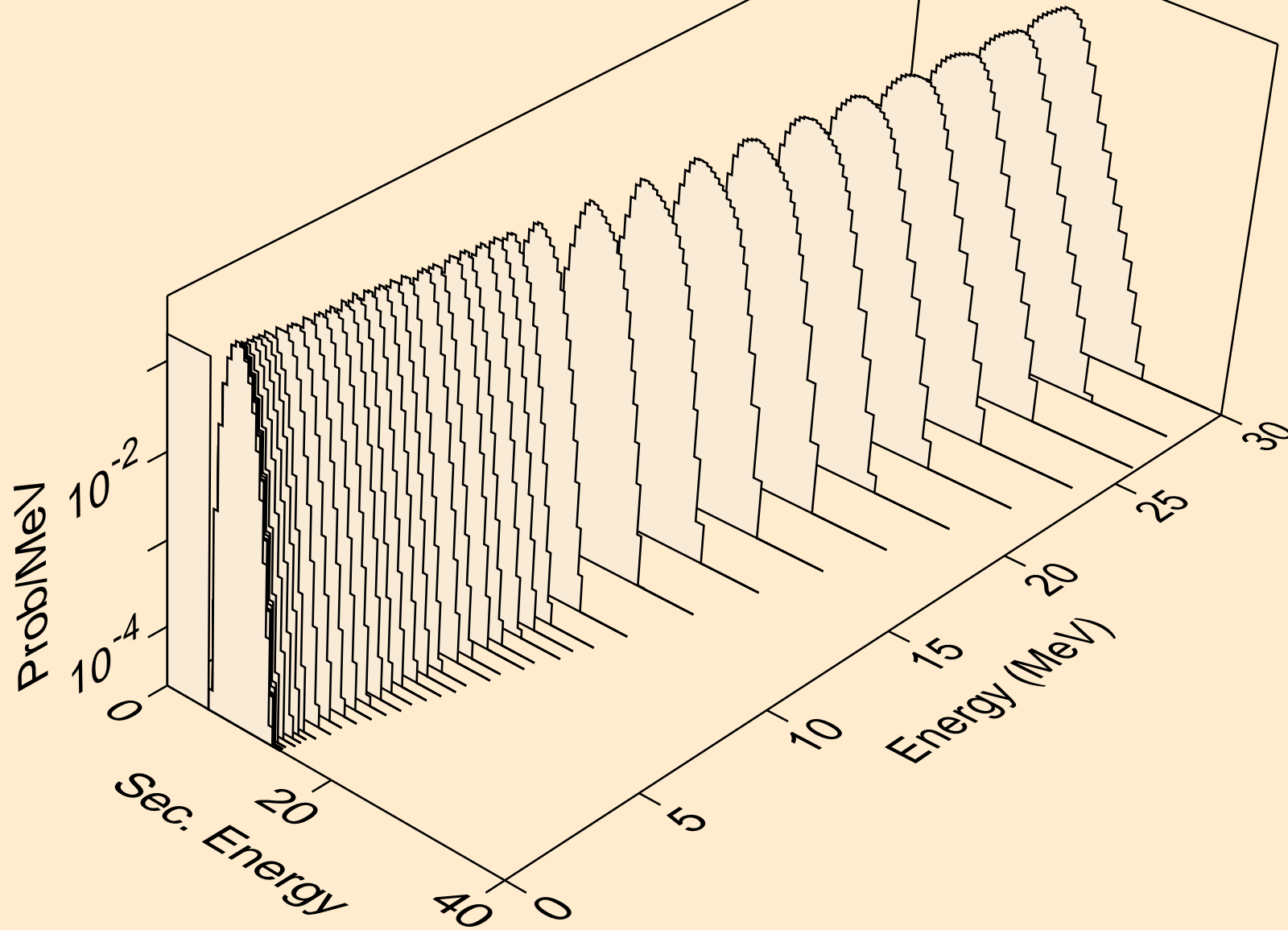


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alphas from (n,2a)

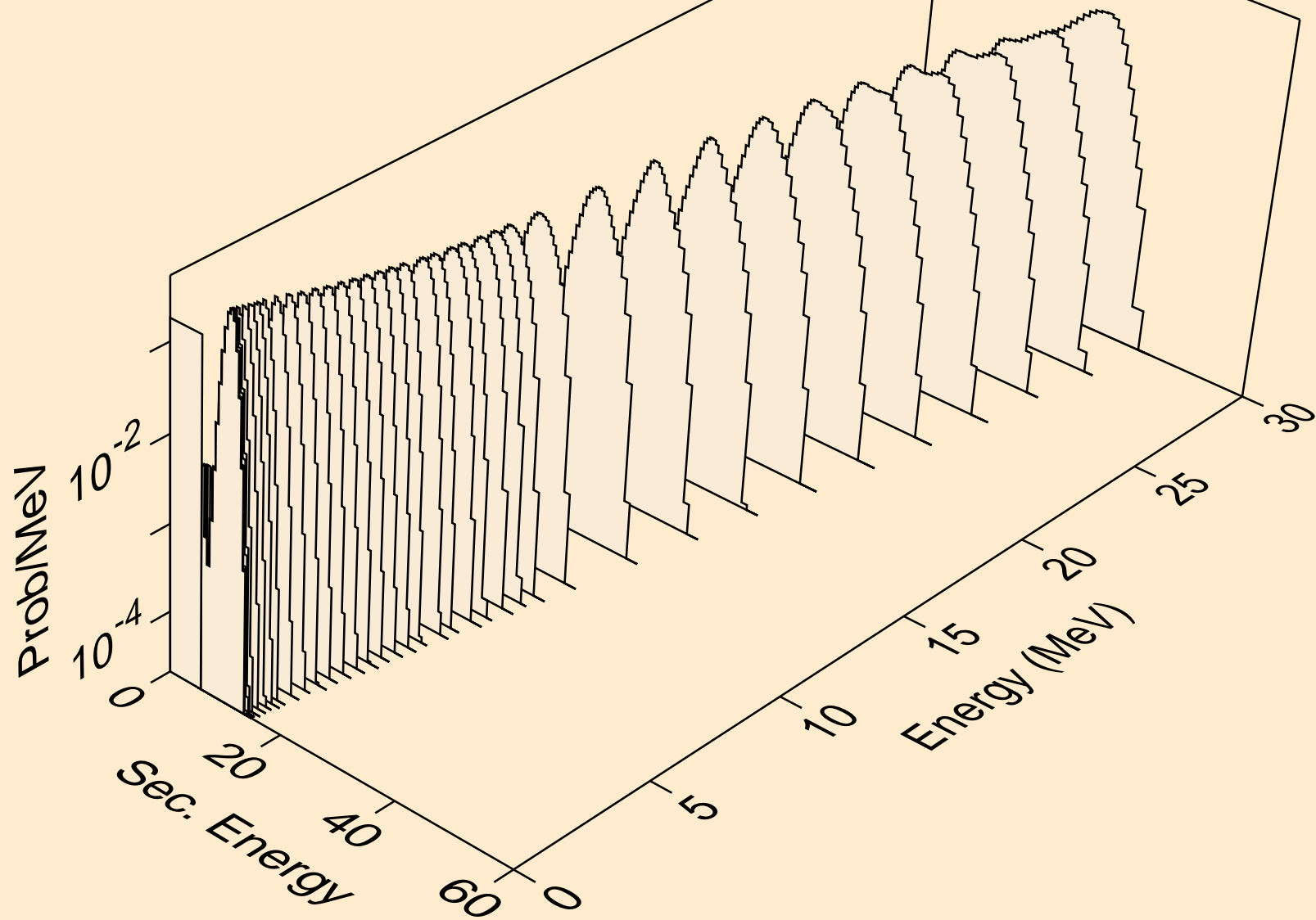




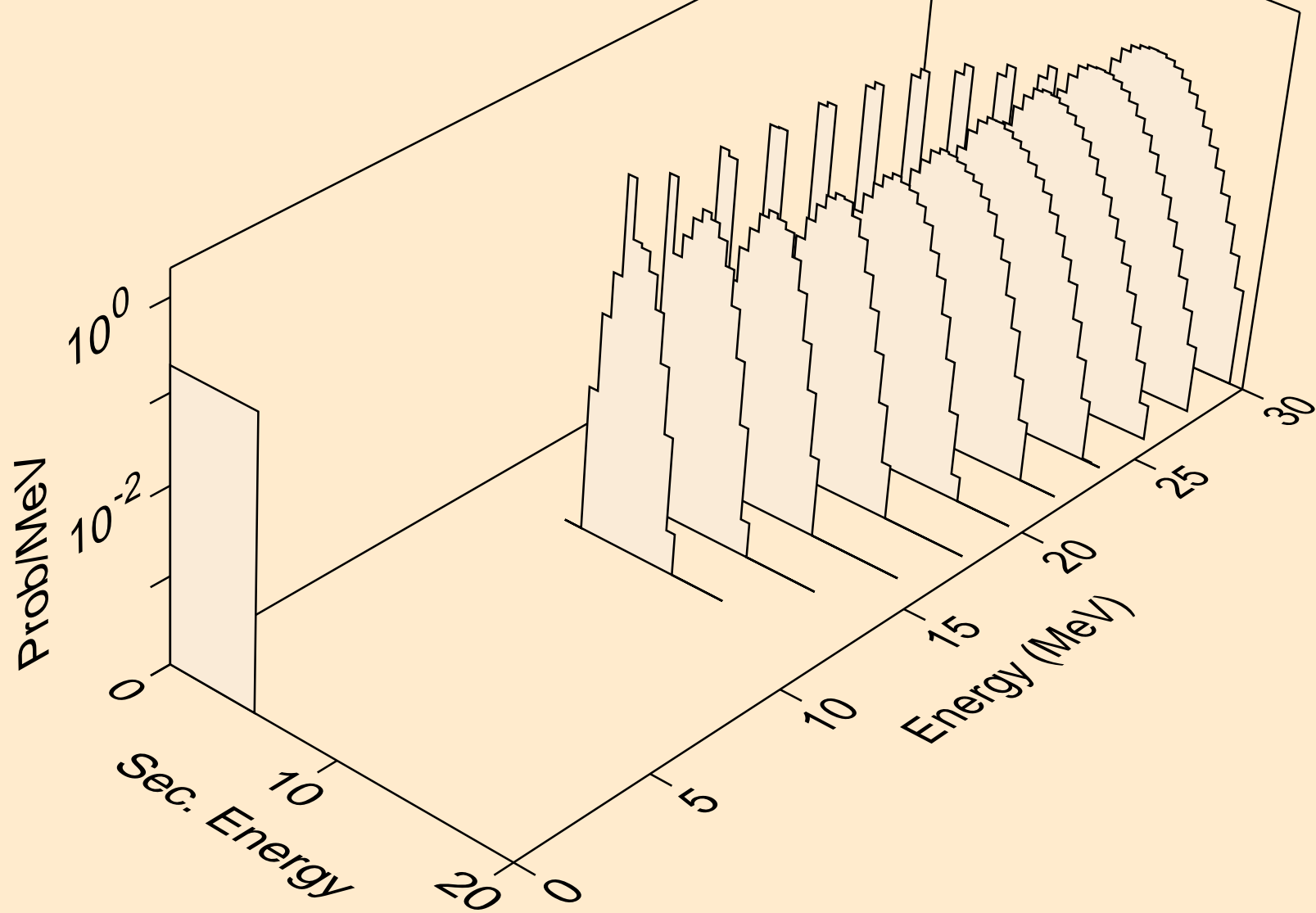
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,3a)



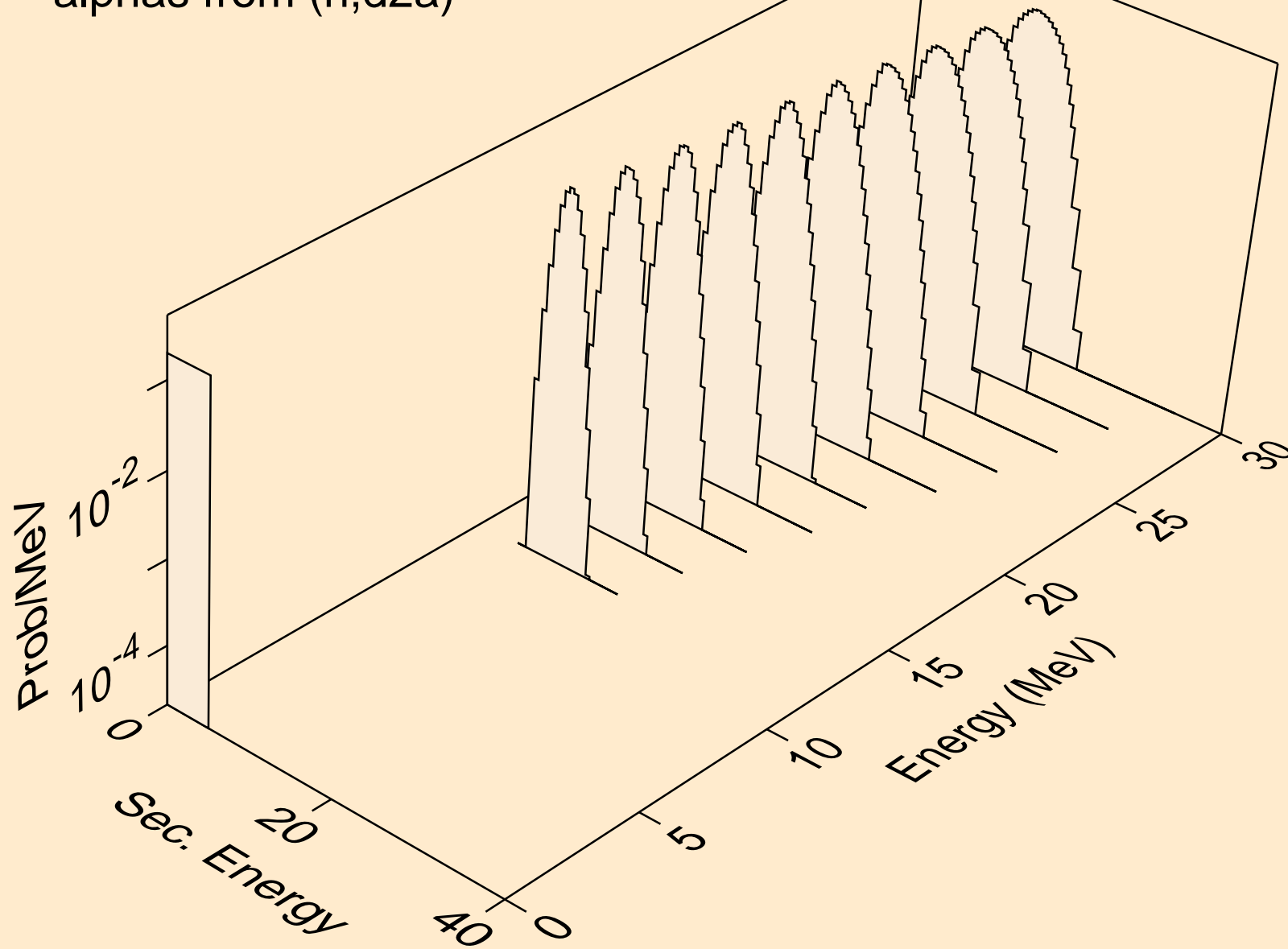
IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,pa)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,t2a)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,d2a)



IR172M NEUTRON ACER TENDL-2024 LIBRARY; T=0.K  
alphas from (n,da)

