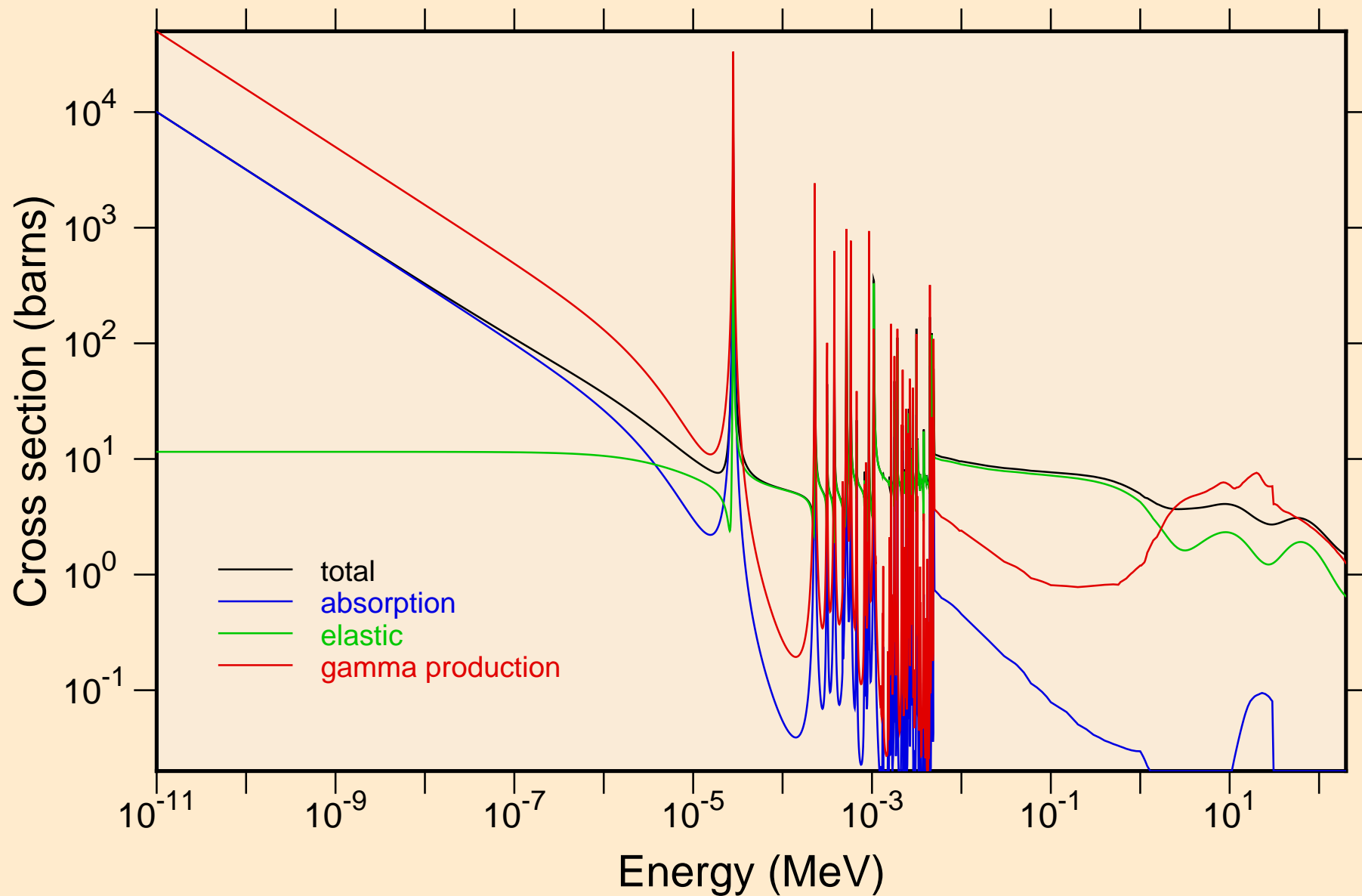
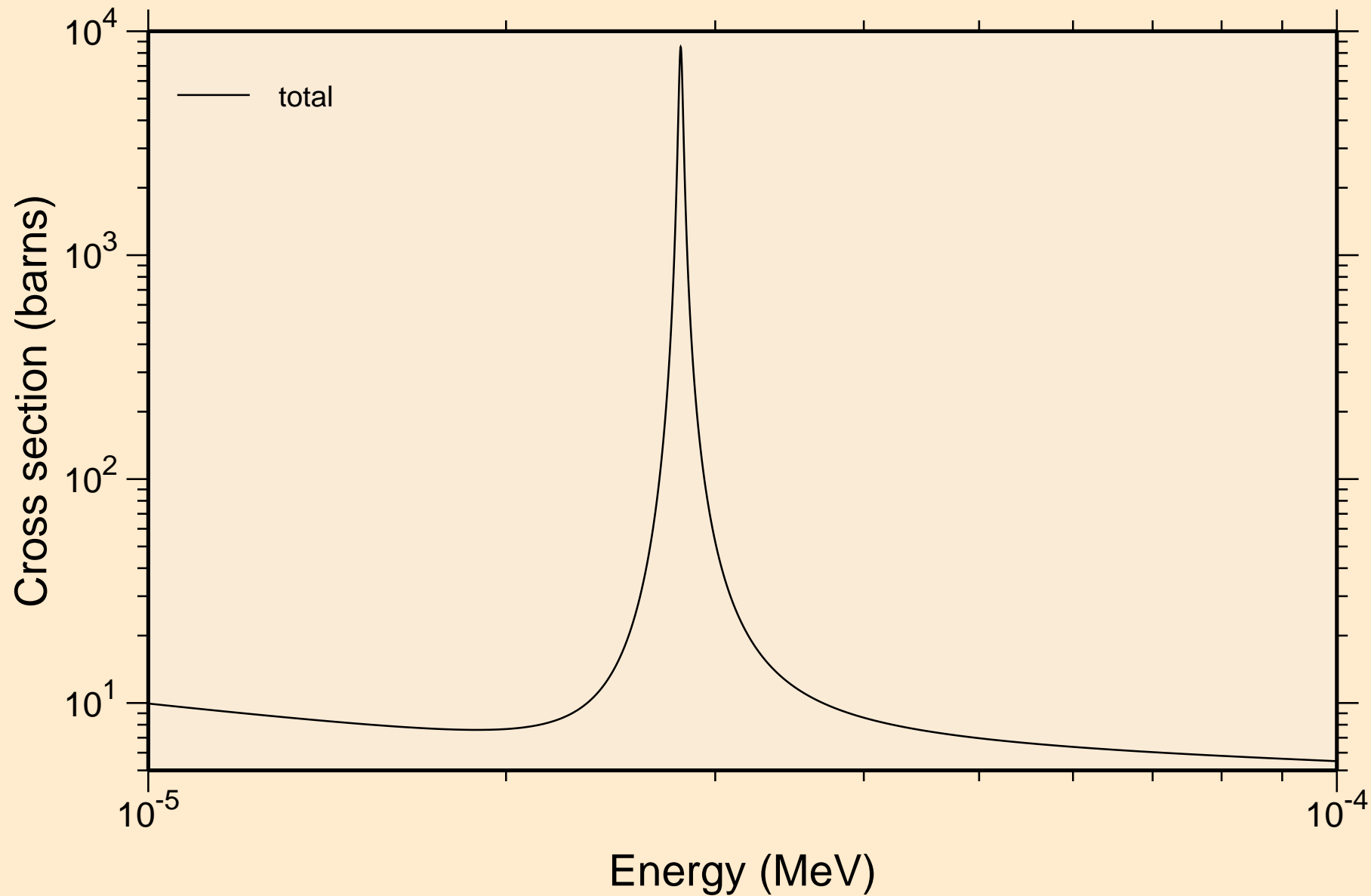


# KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

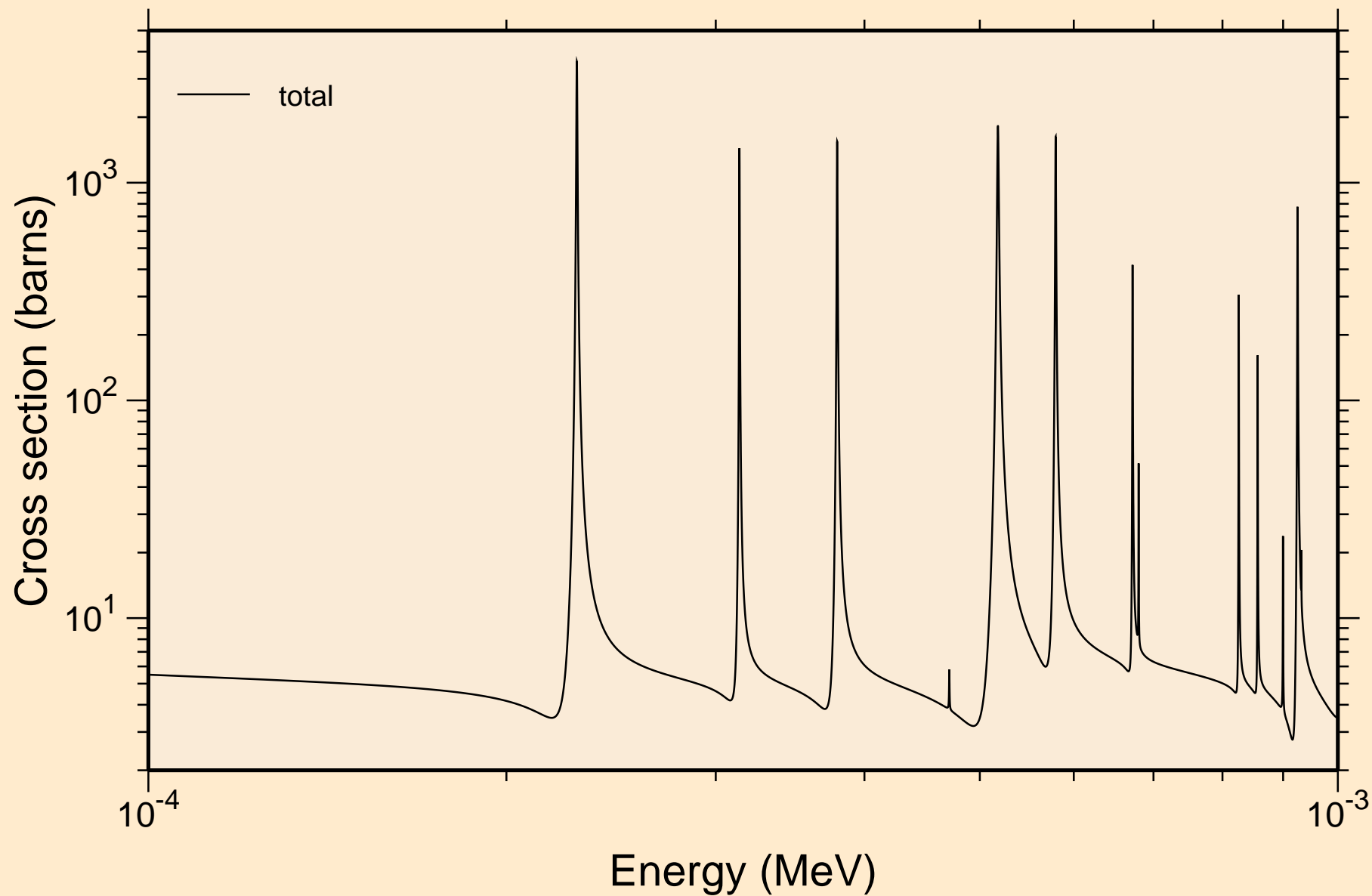
## Principal cross sections



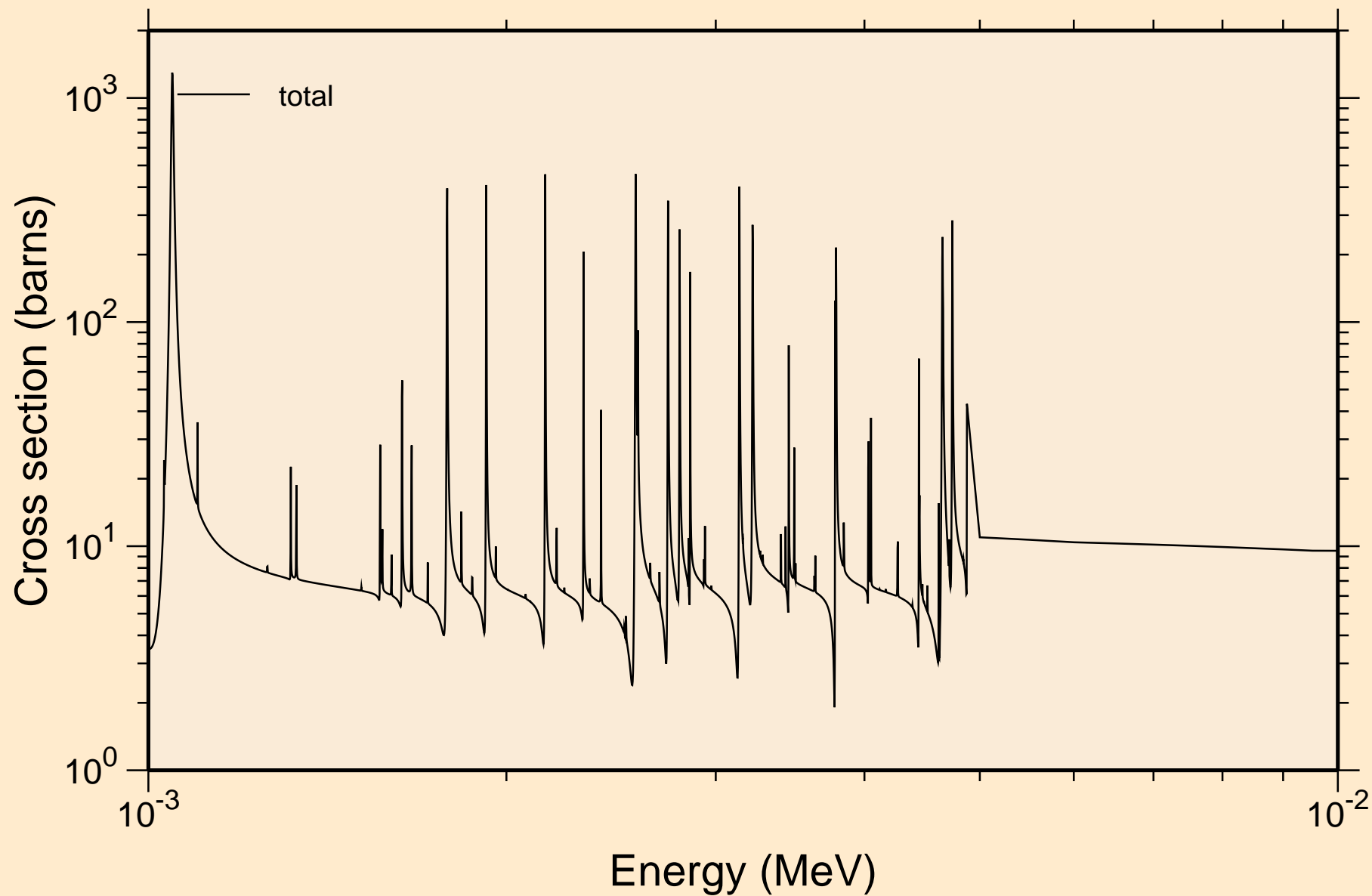
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resonance total cross section



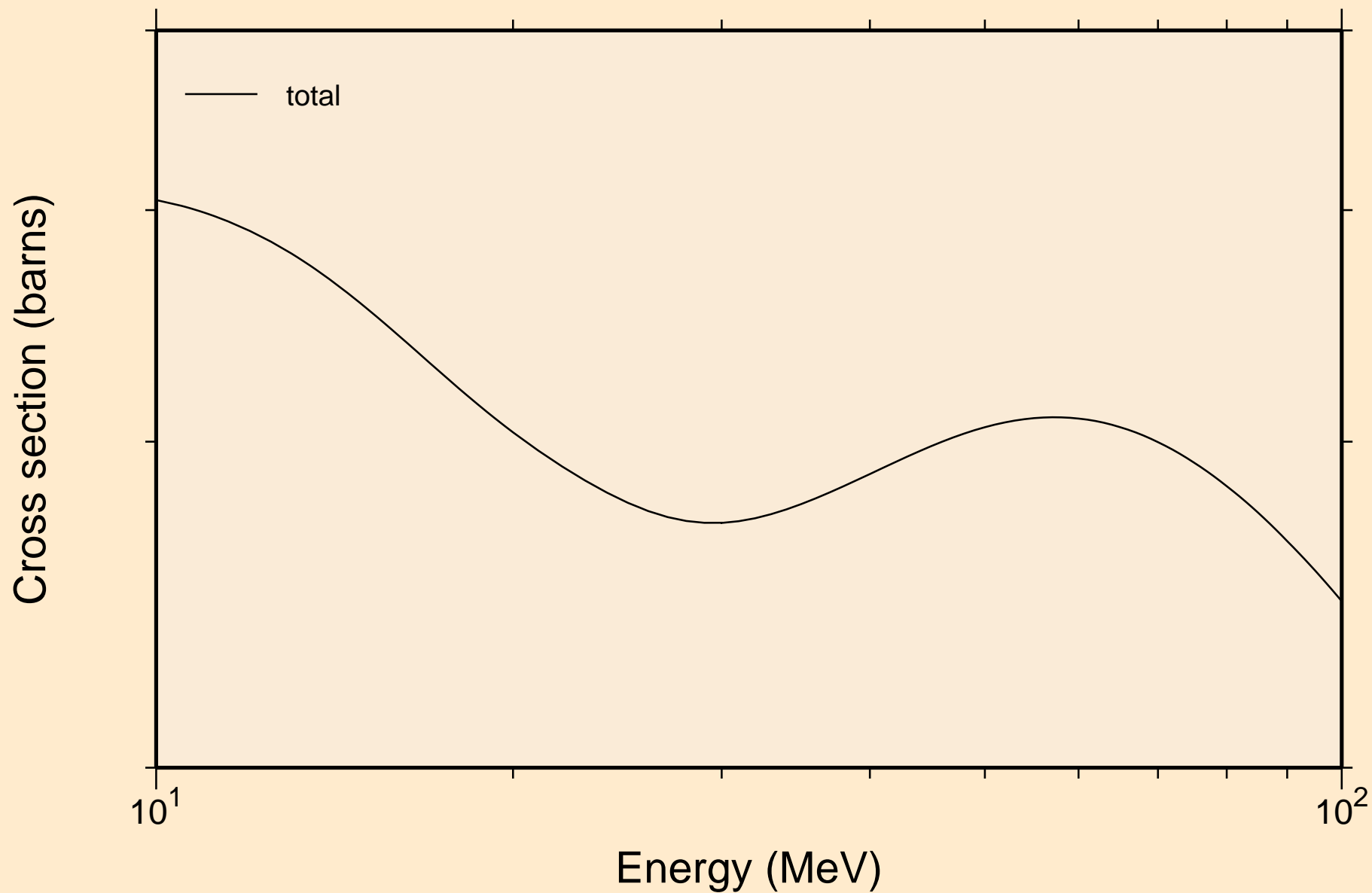
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resonance total cross section



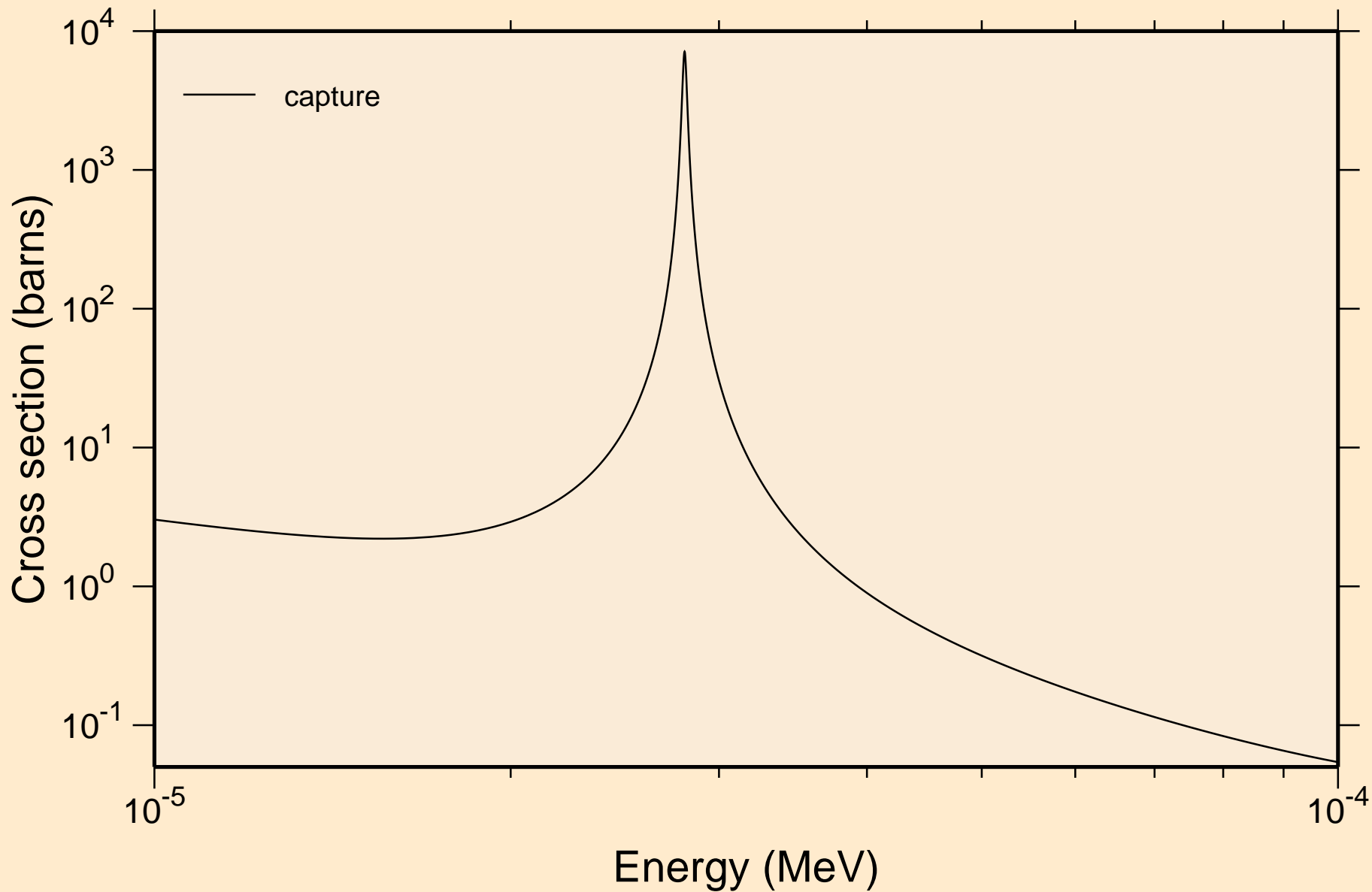
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resonance total cross section



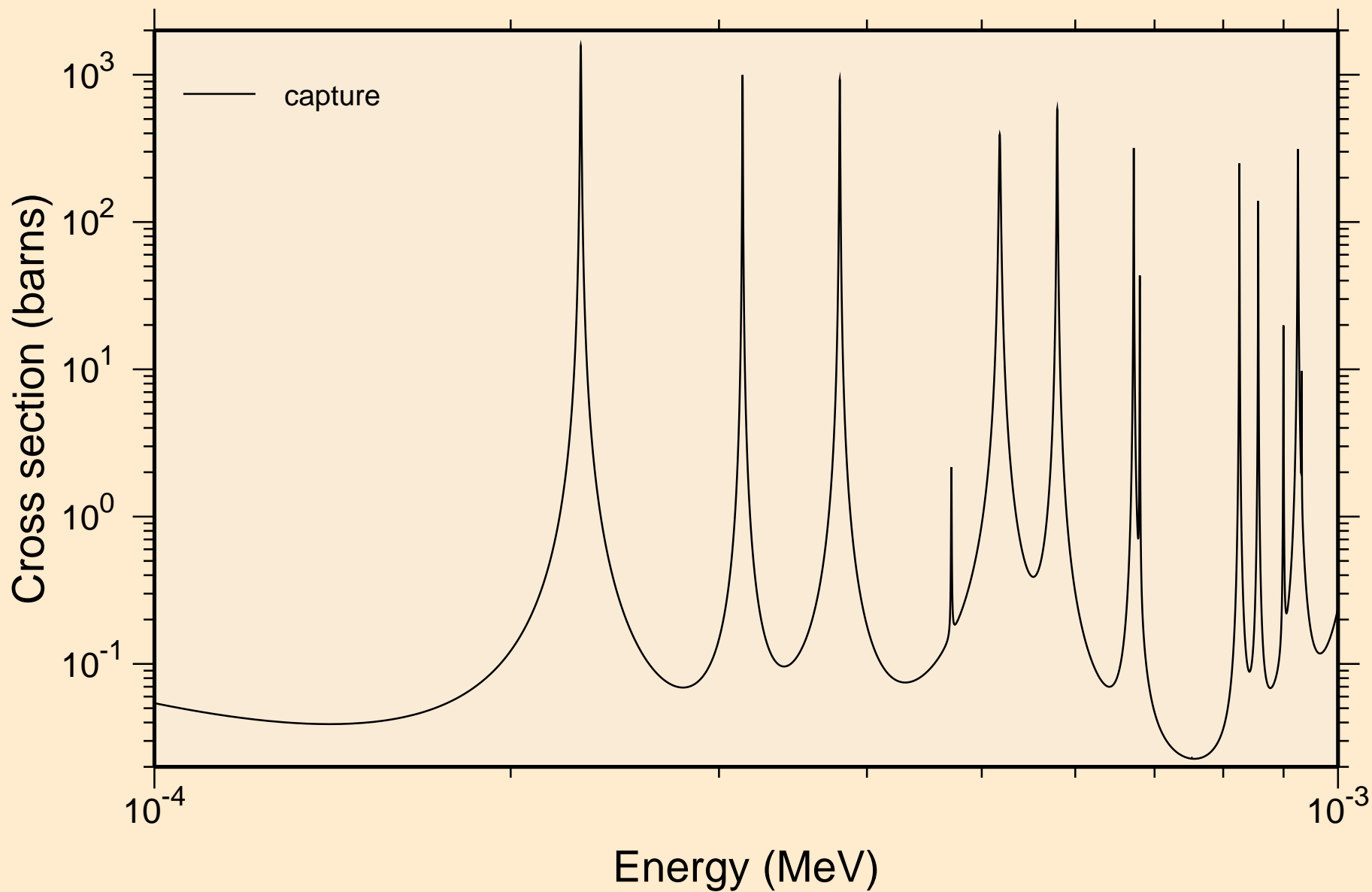
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance total cross section



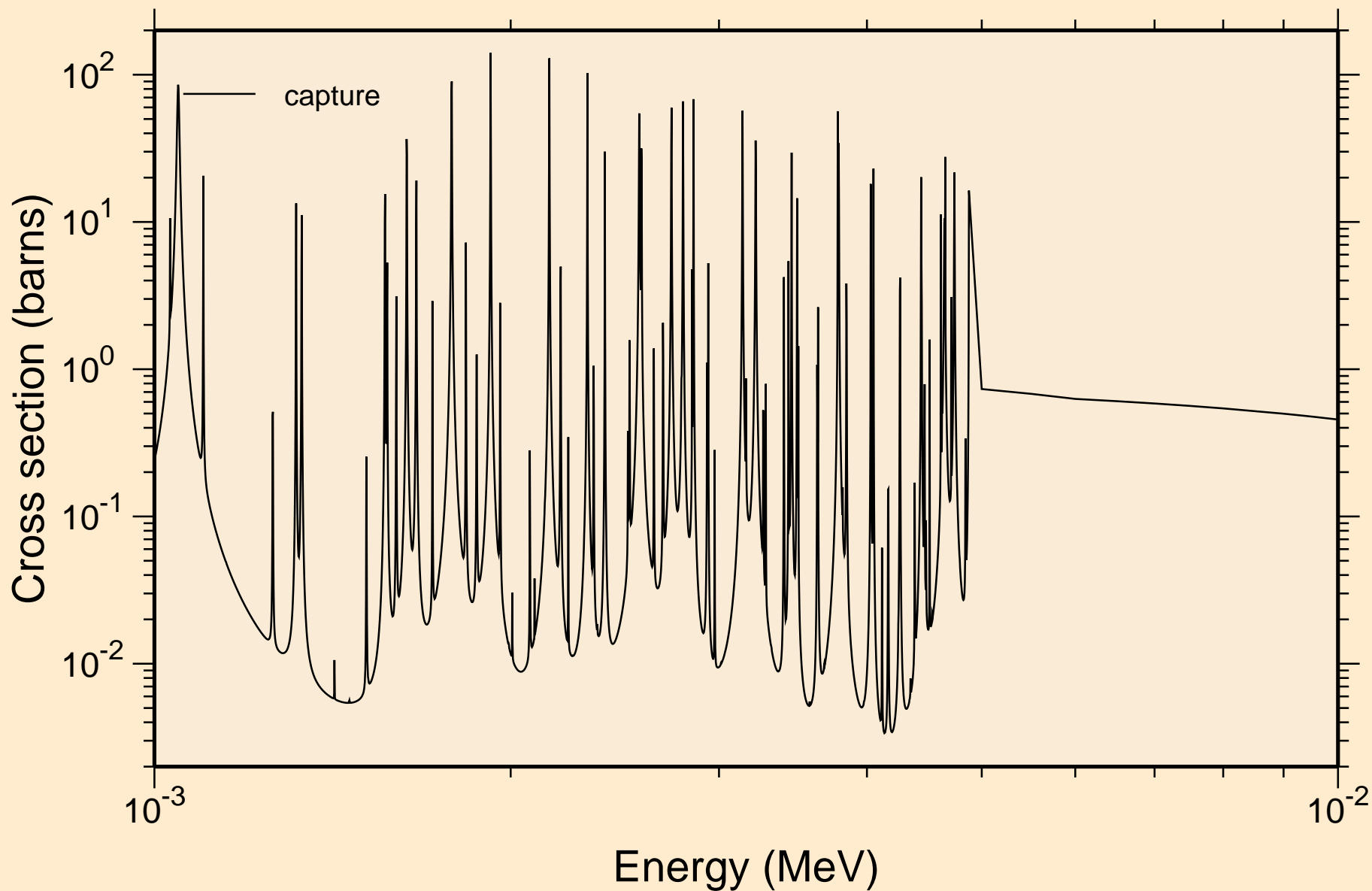
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

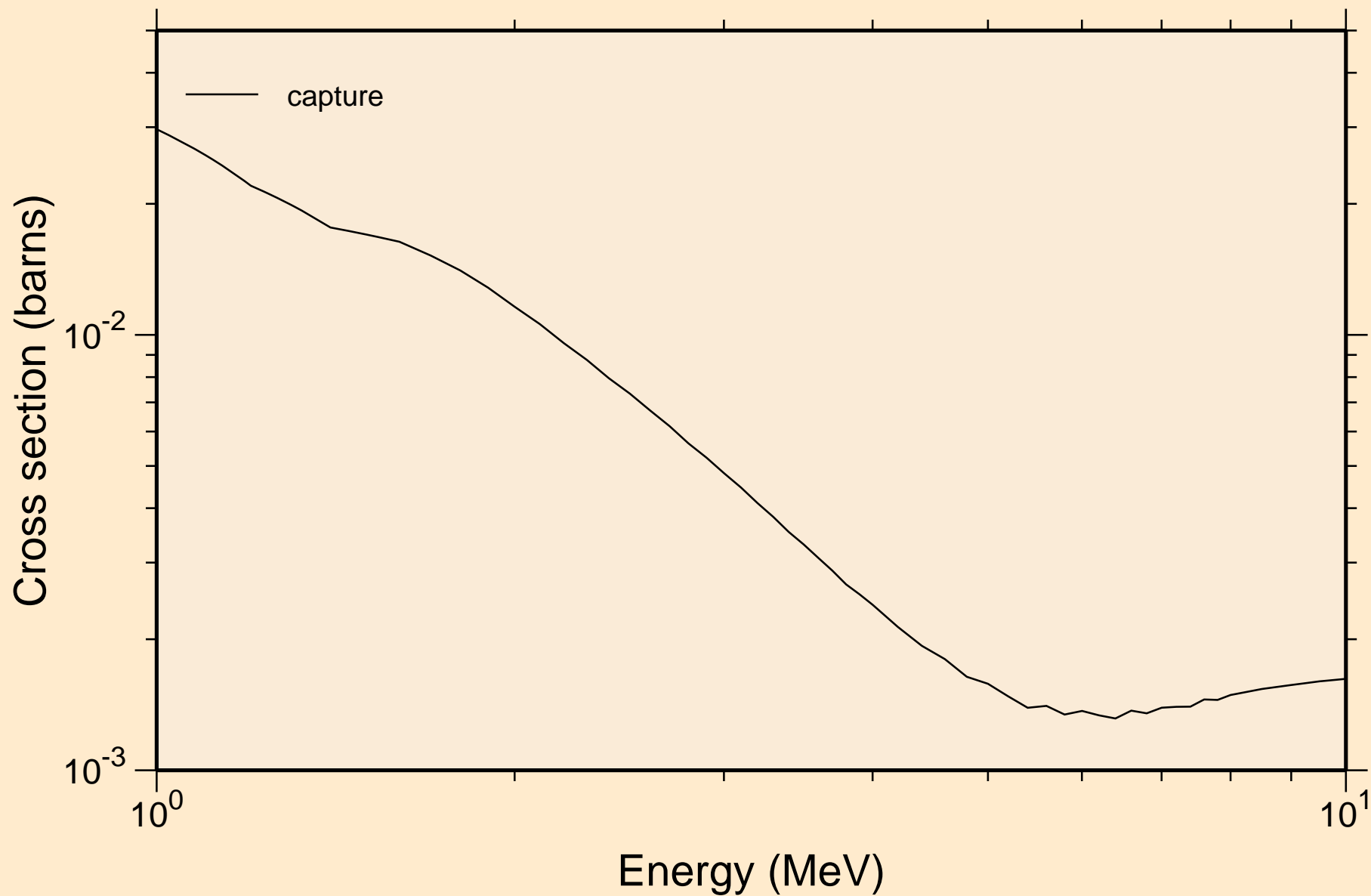


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
resonance absorption cross sections

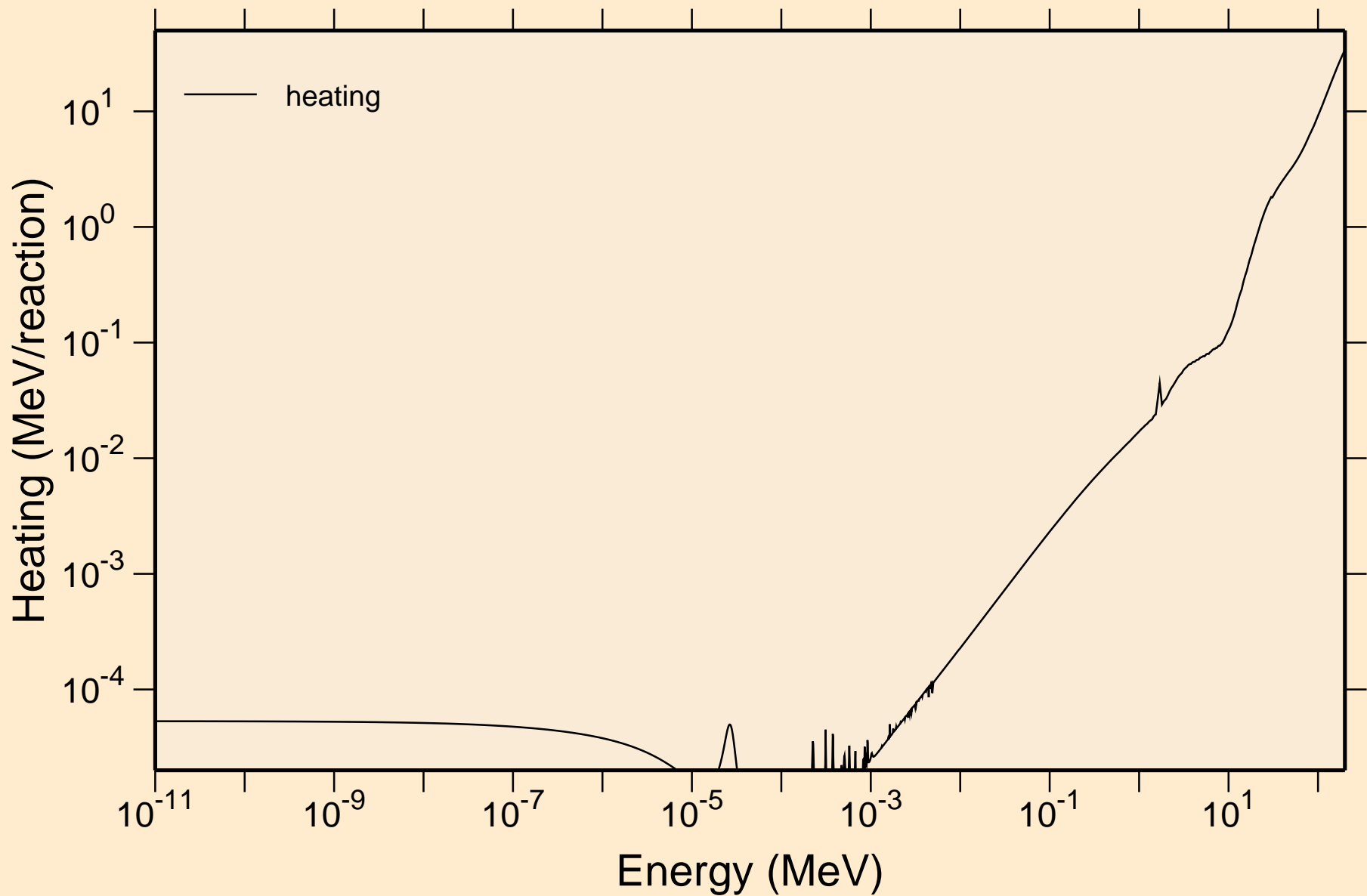




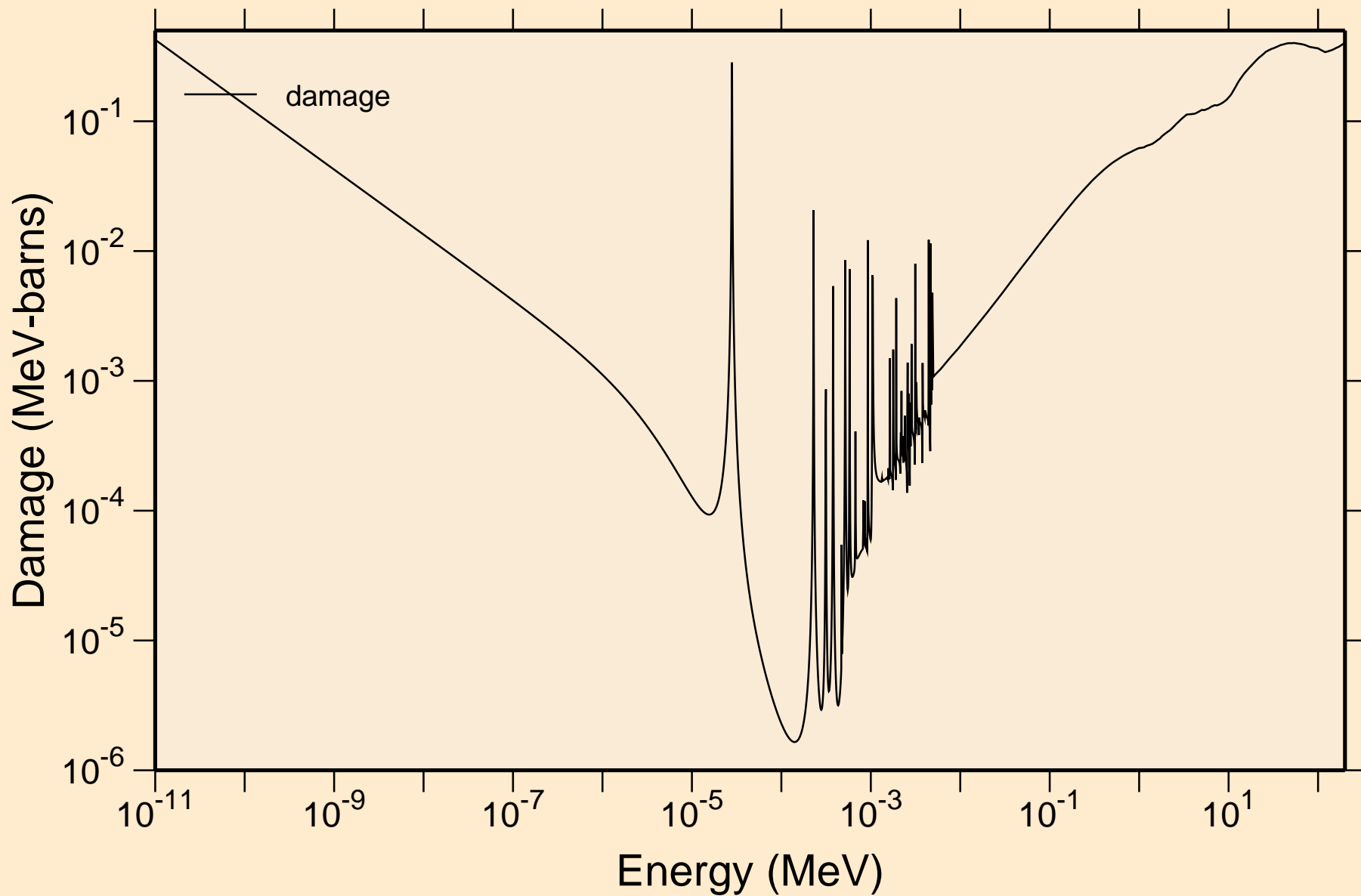
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resonance absorption cross sections



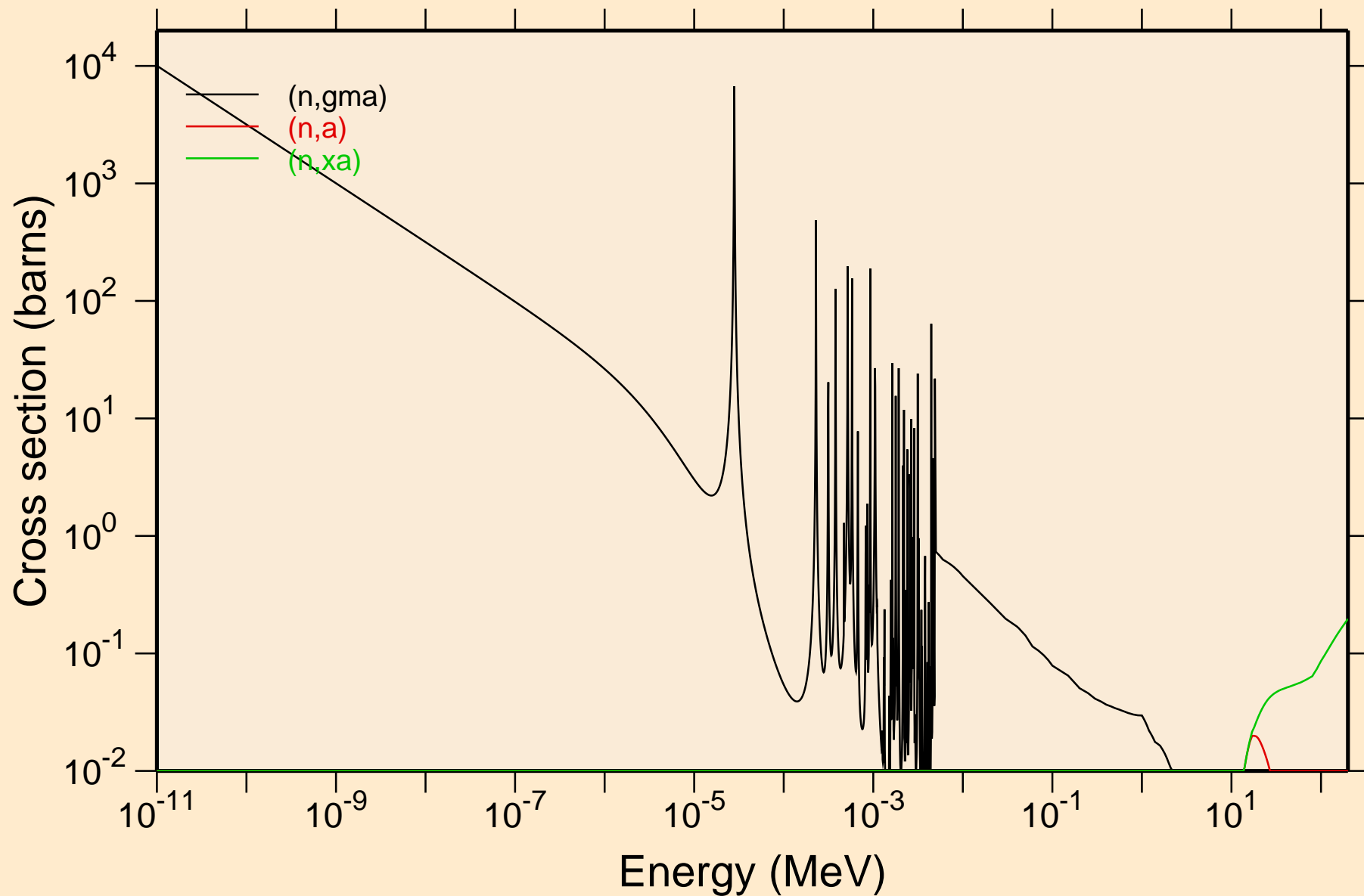
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

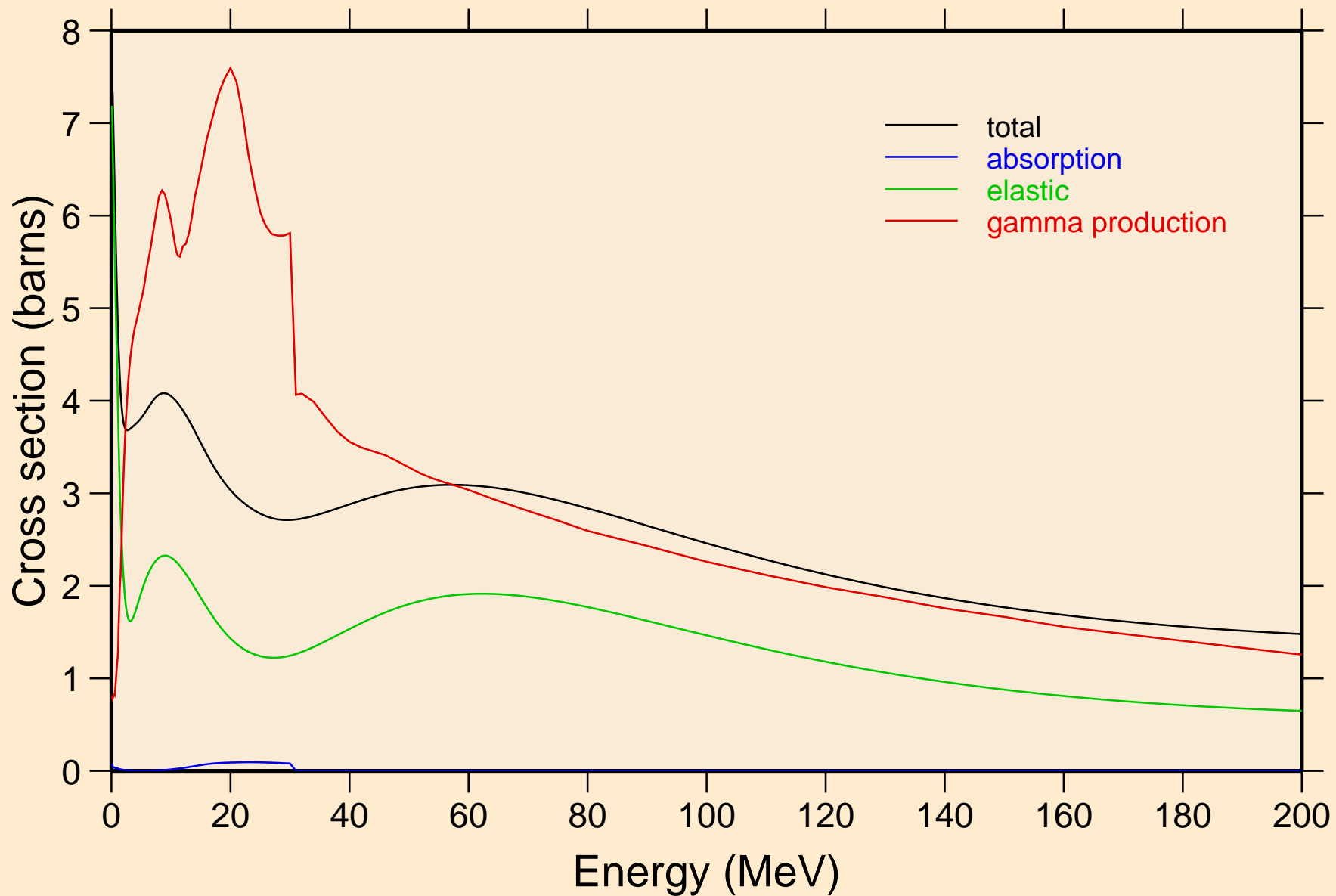


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Non-threshold reactions

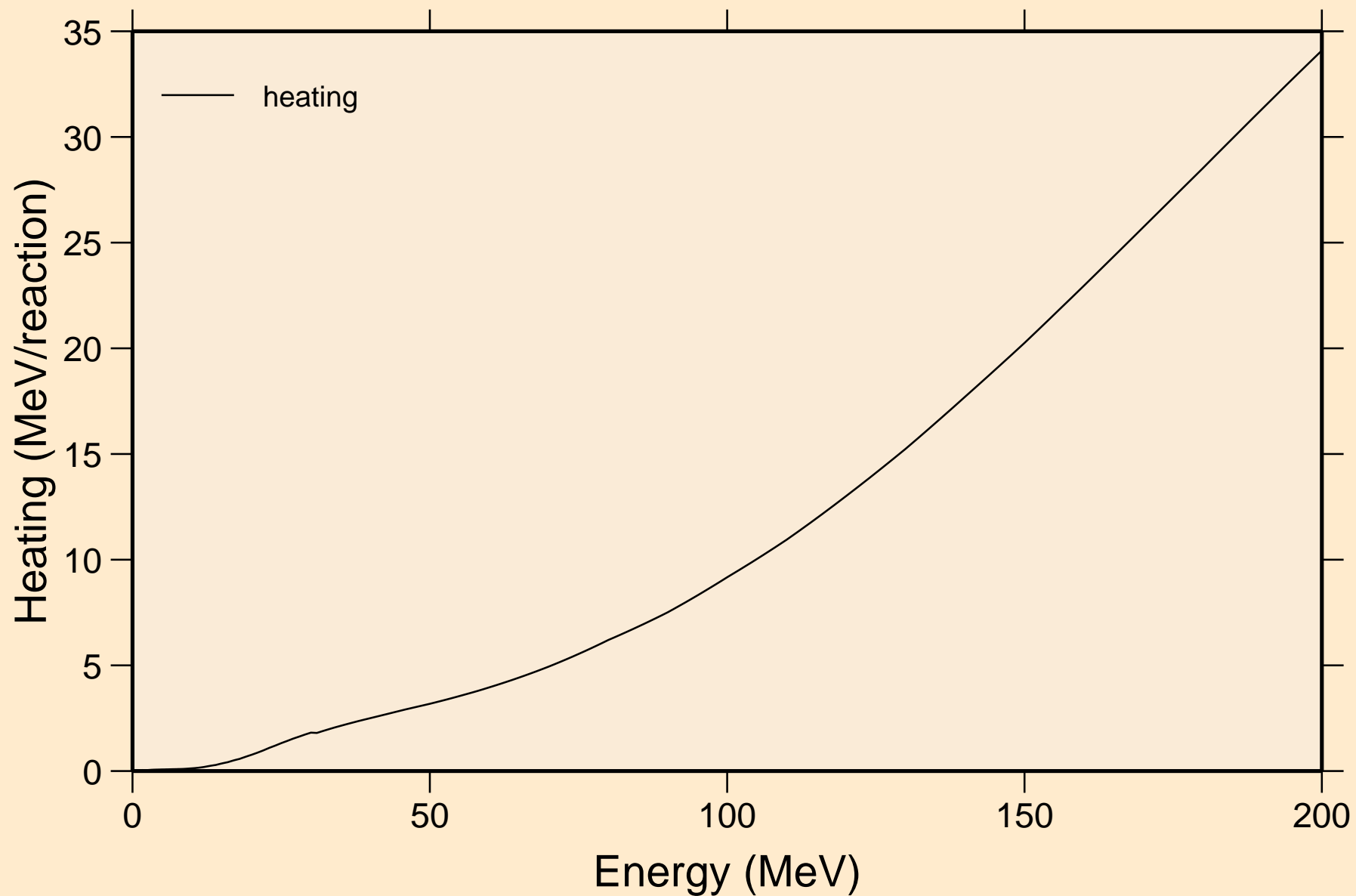


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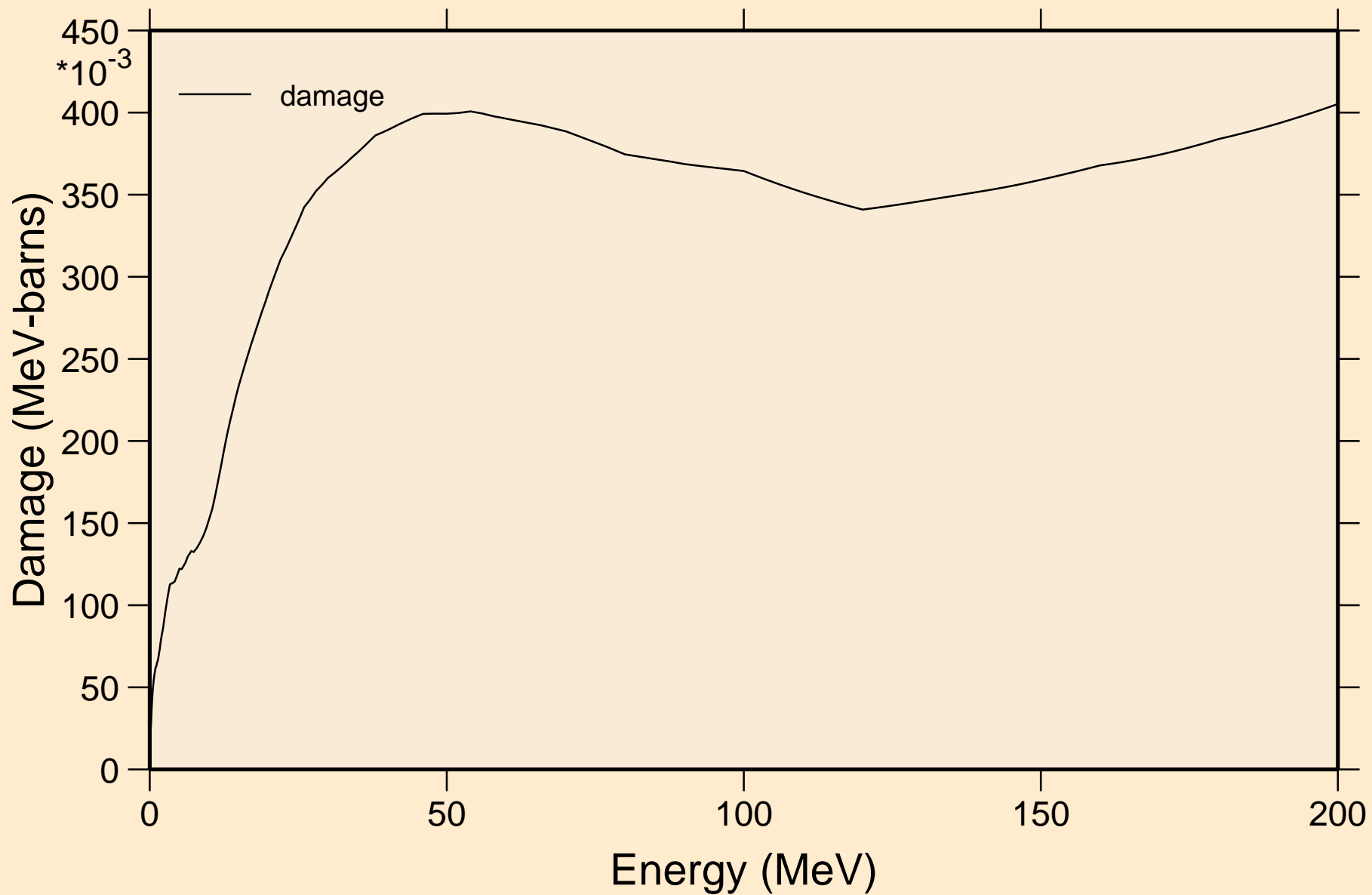
## Principal cross sections



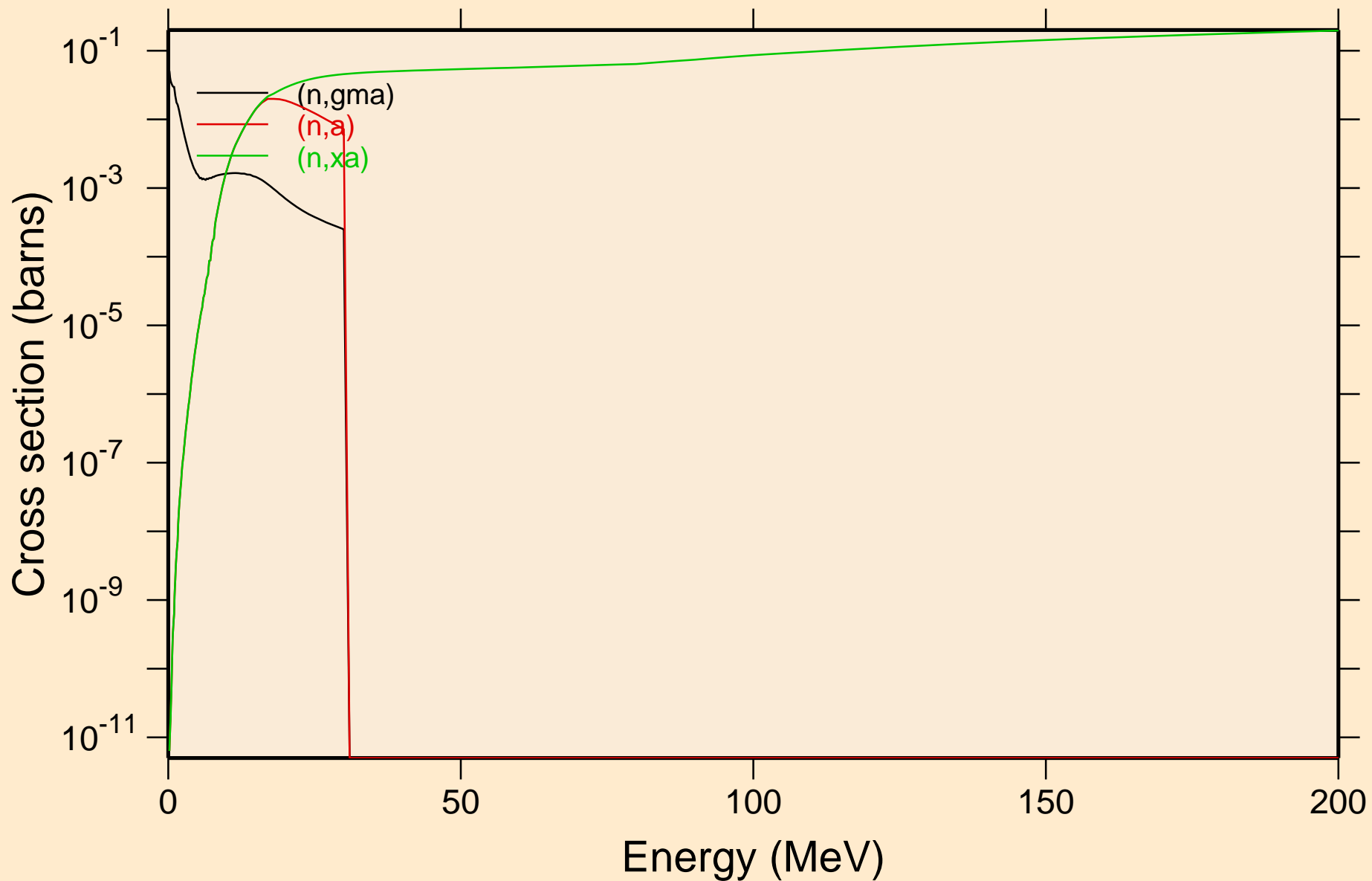
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Heating



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Damage

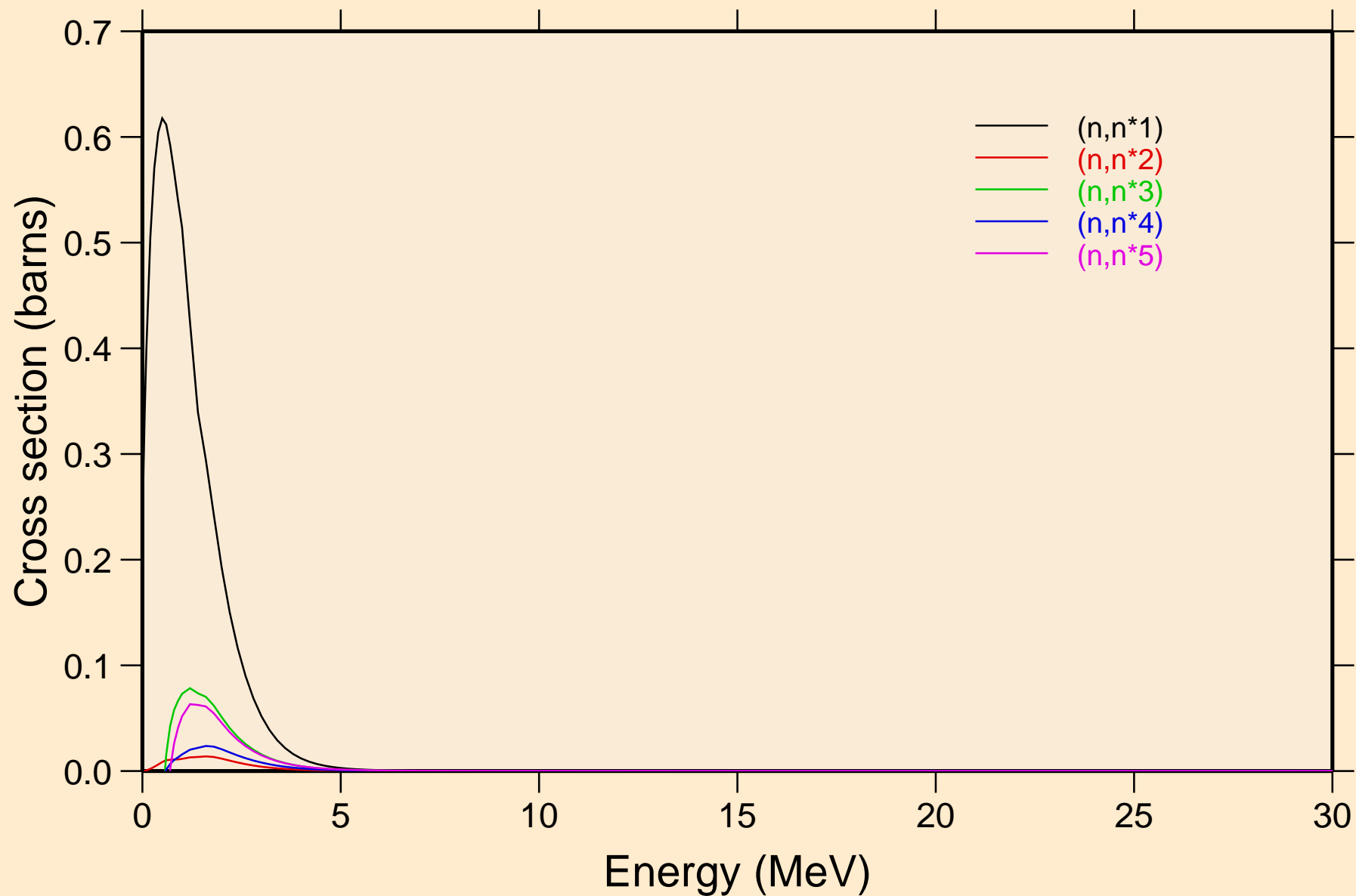


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Non-threshold reactions

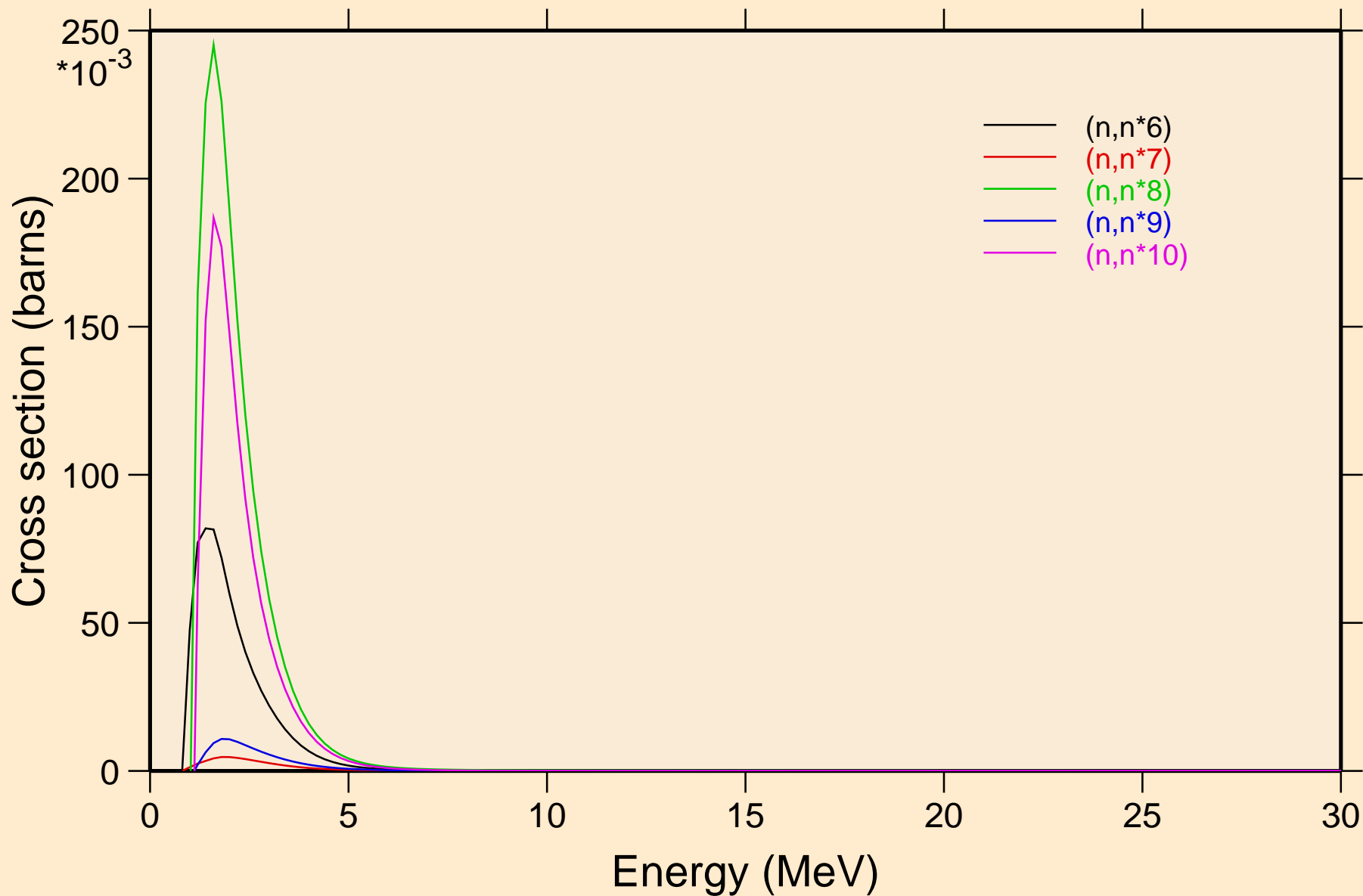




KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

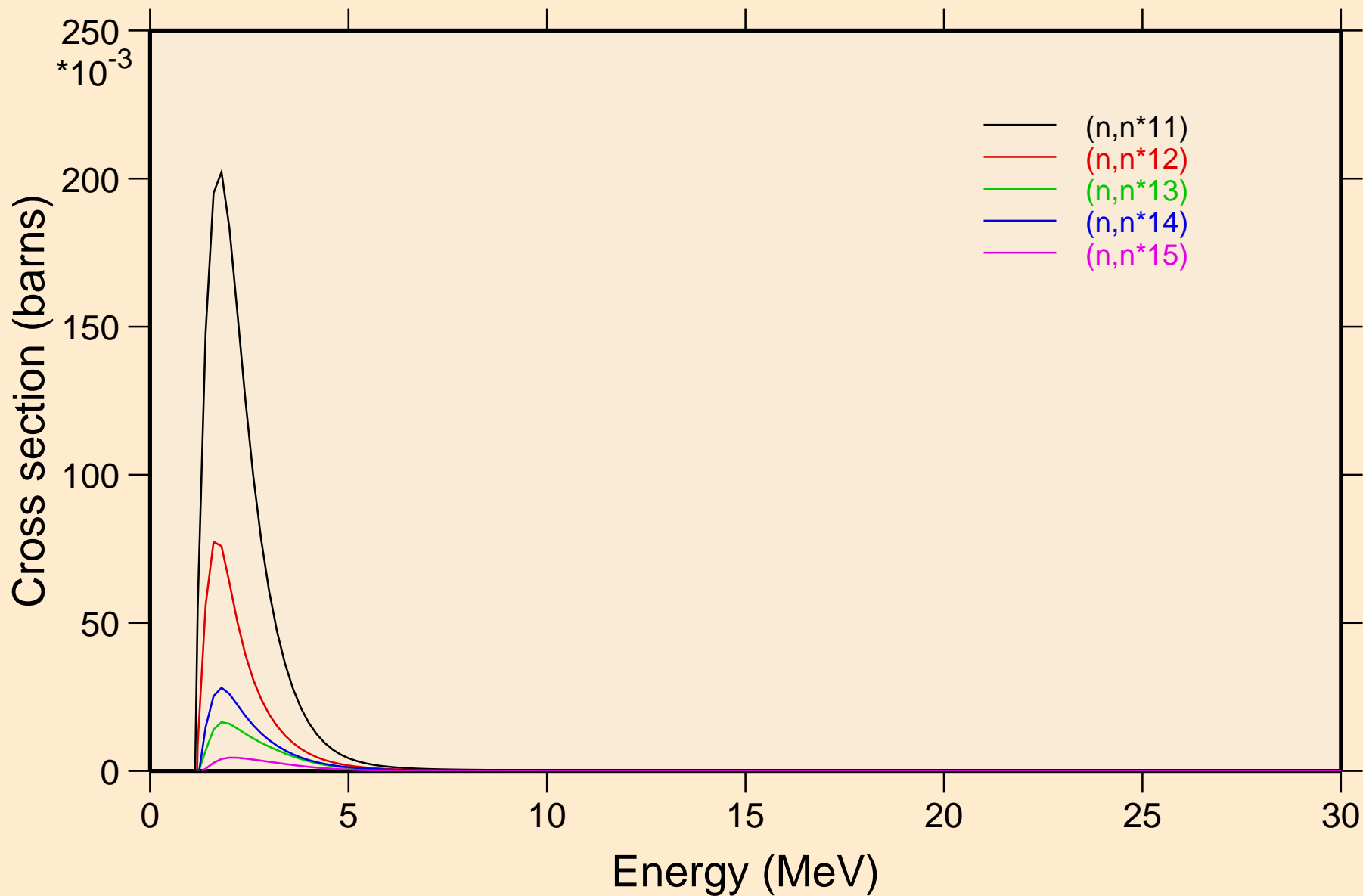


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

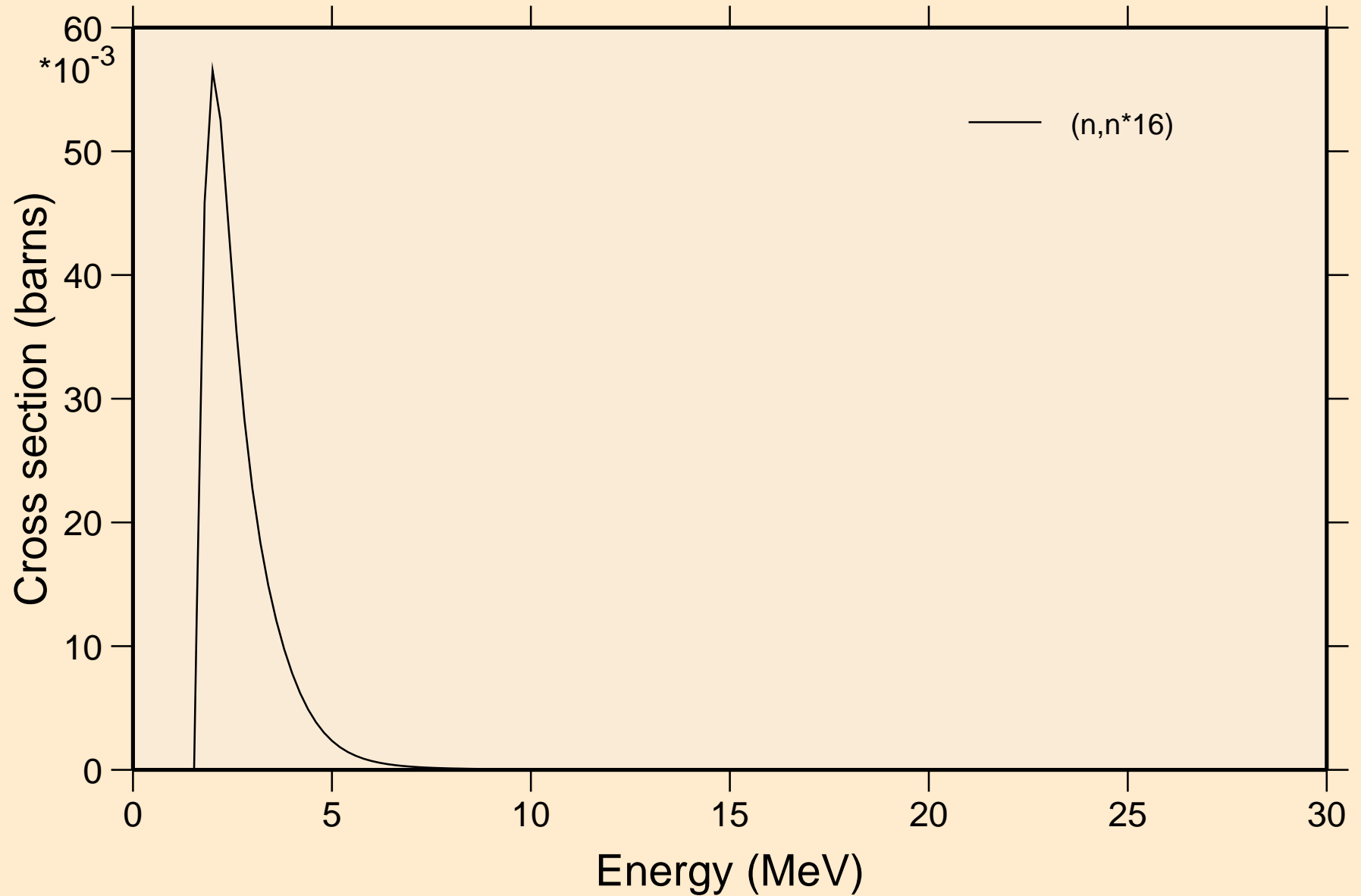


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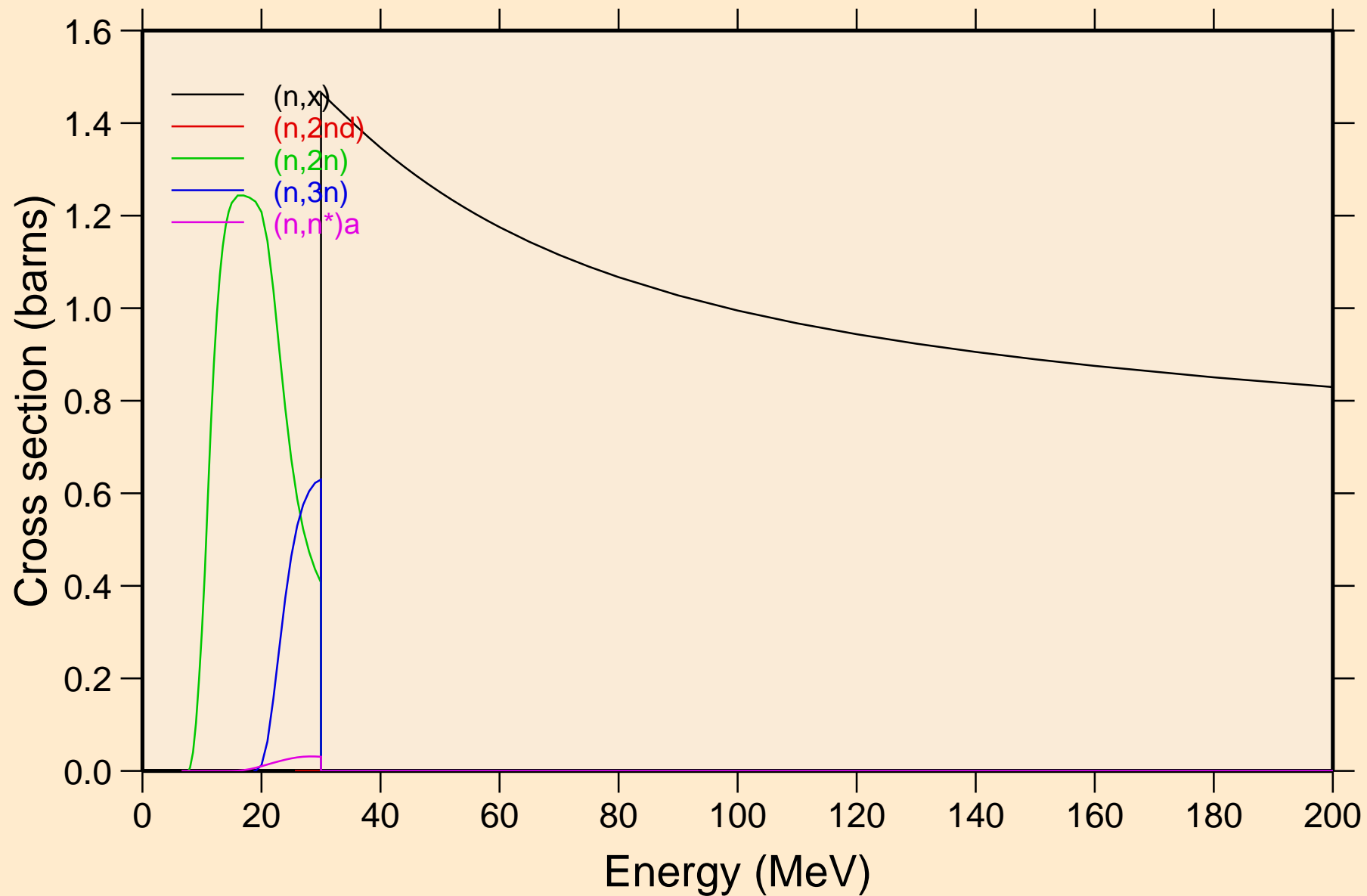
## Inelastic levels



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Inelastic levels

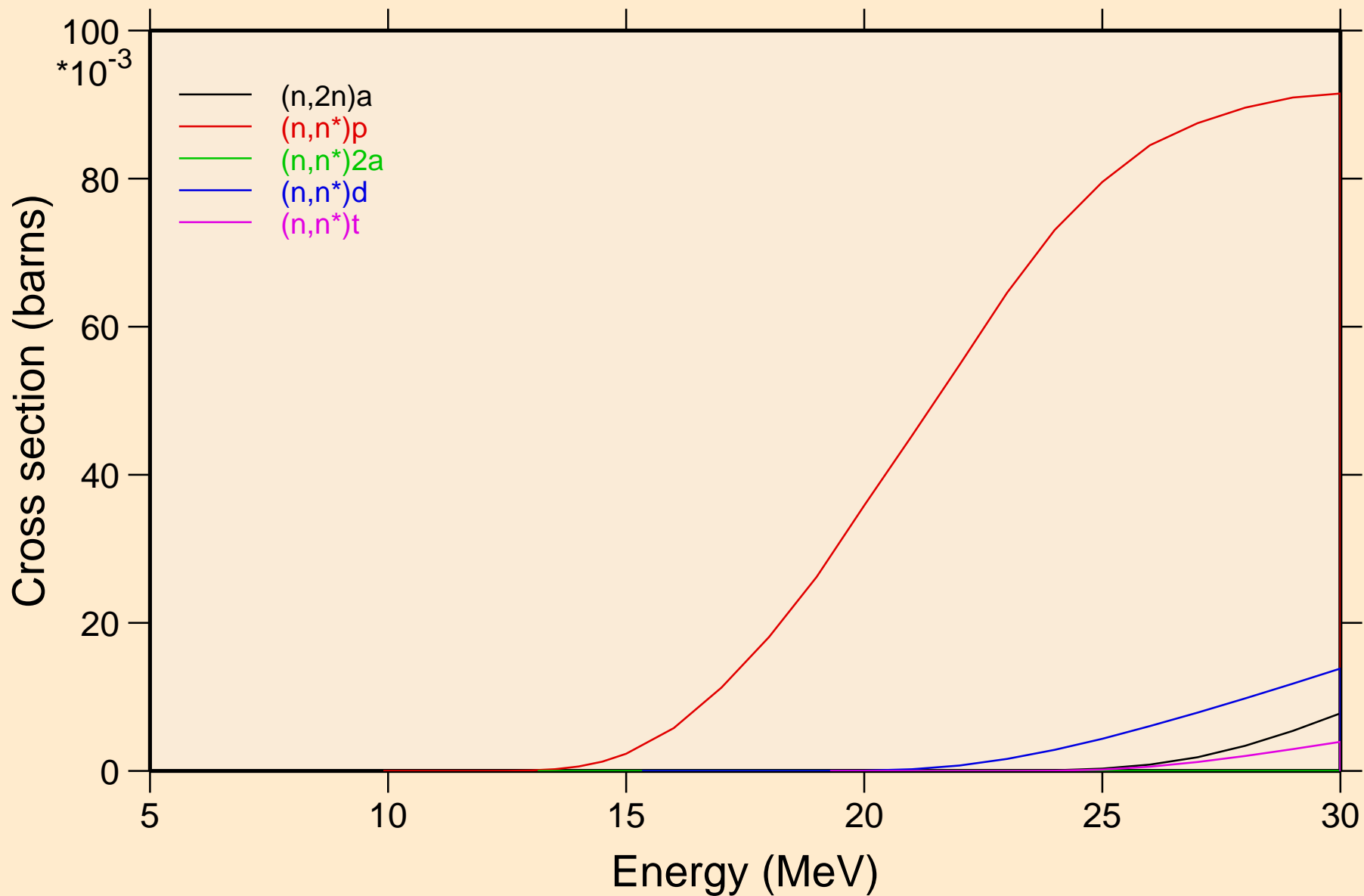


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions

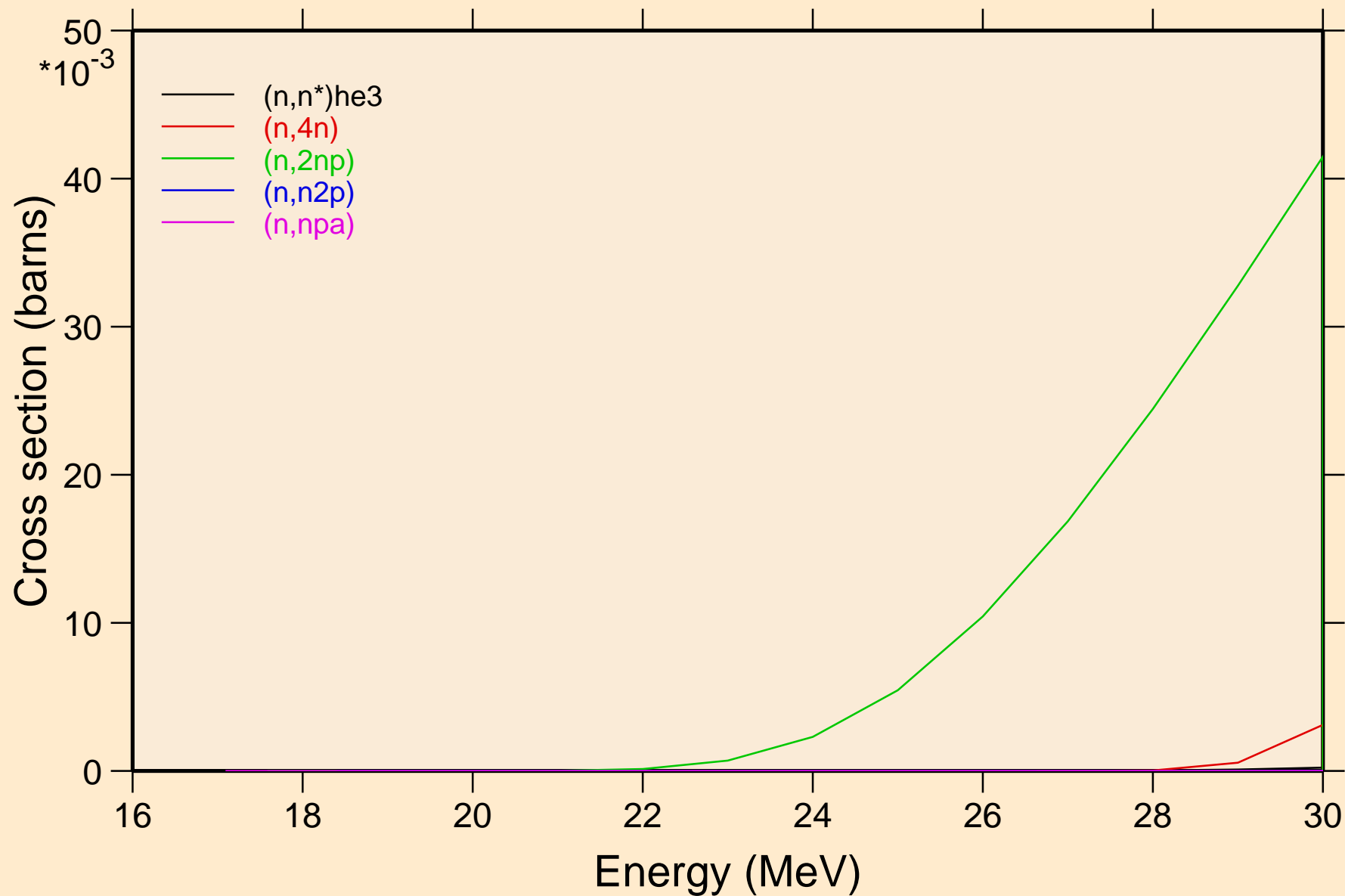


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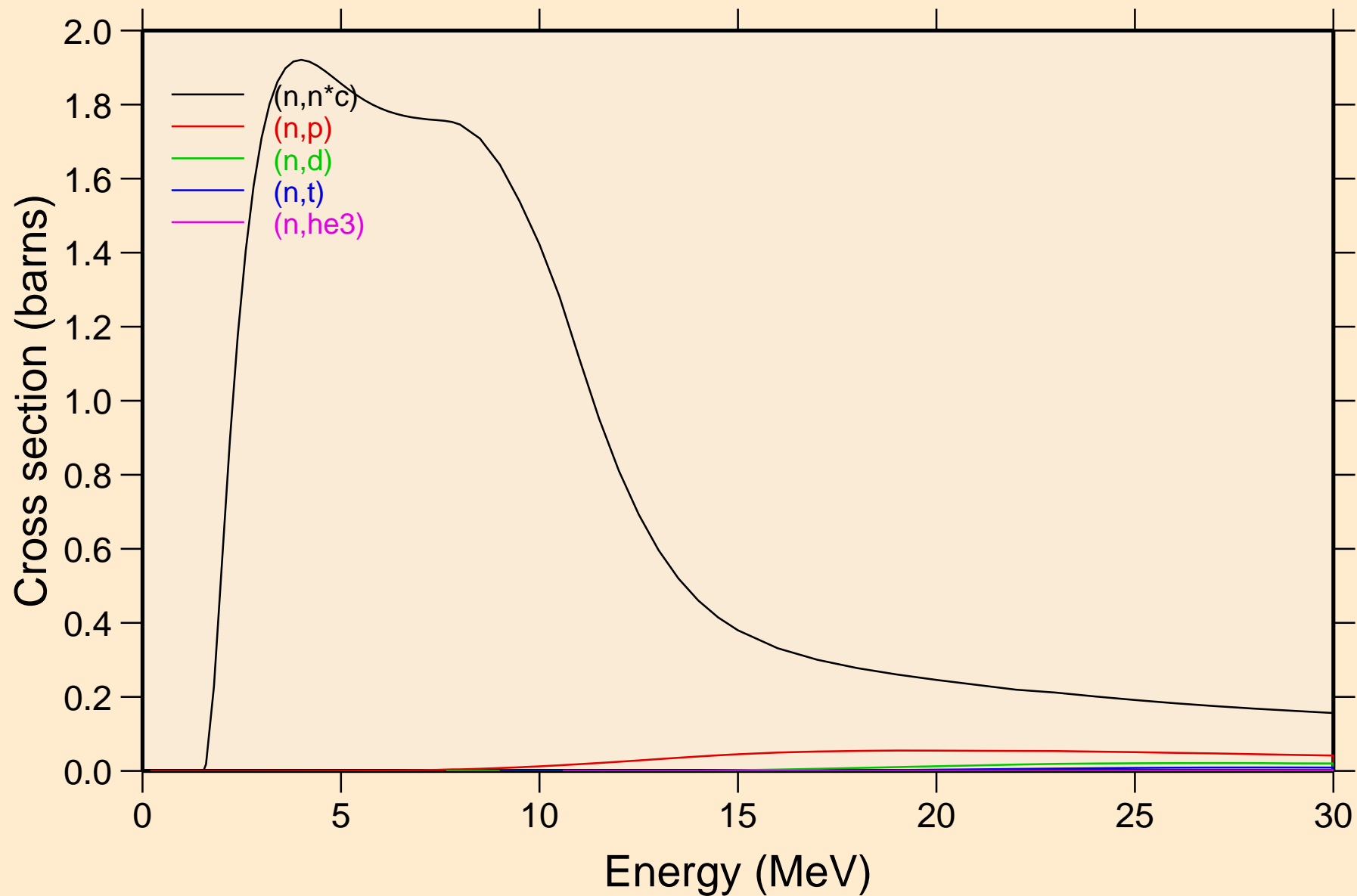
## Threshold reactions



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Threshold reactions



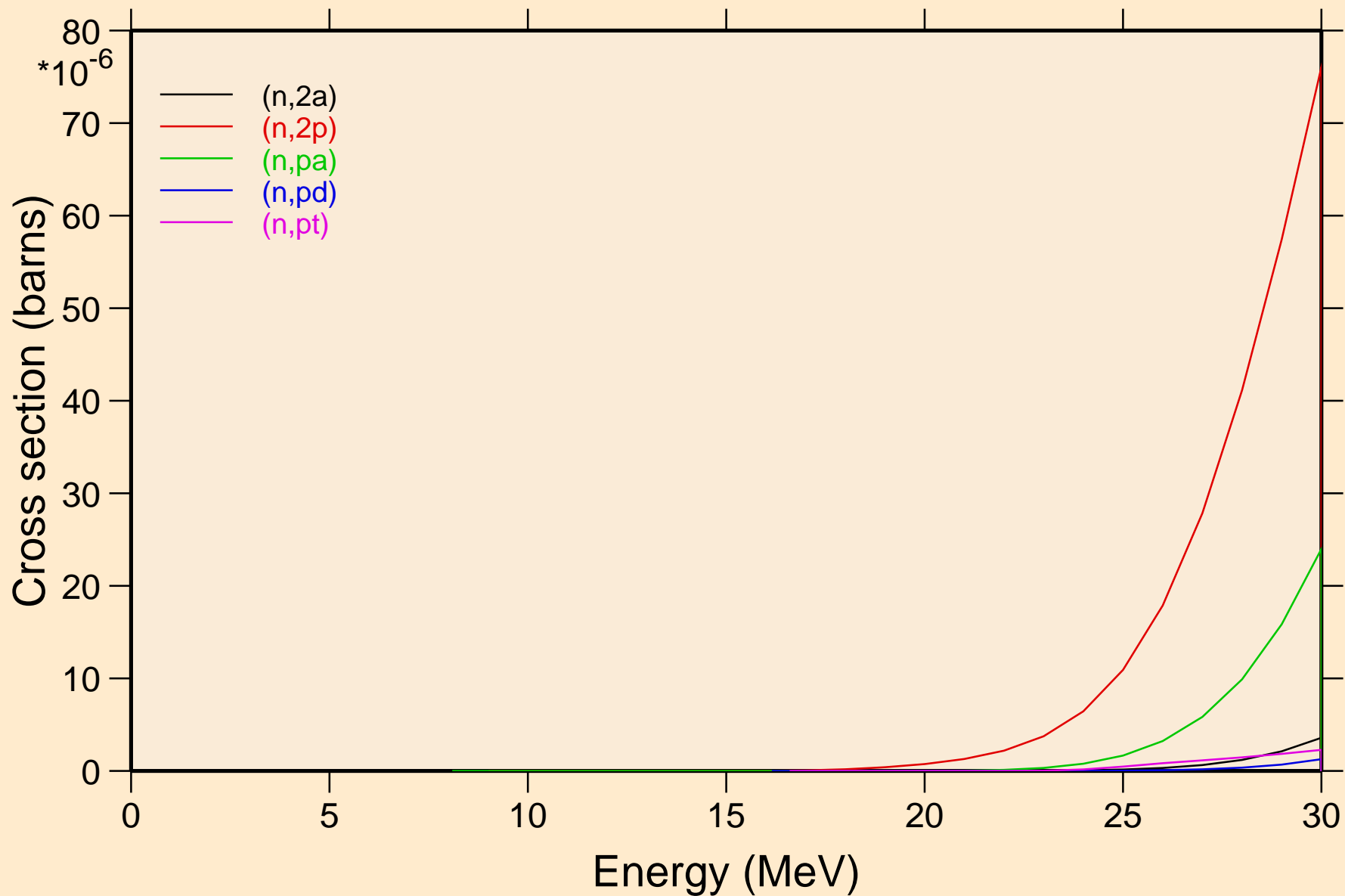
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Threshold reactions



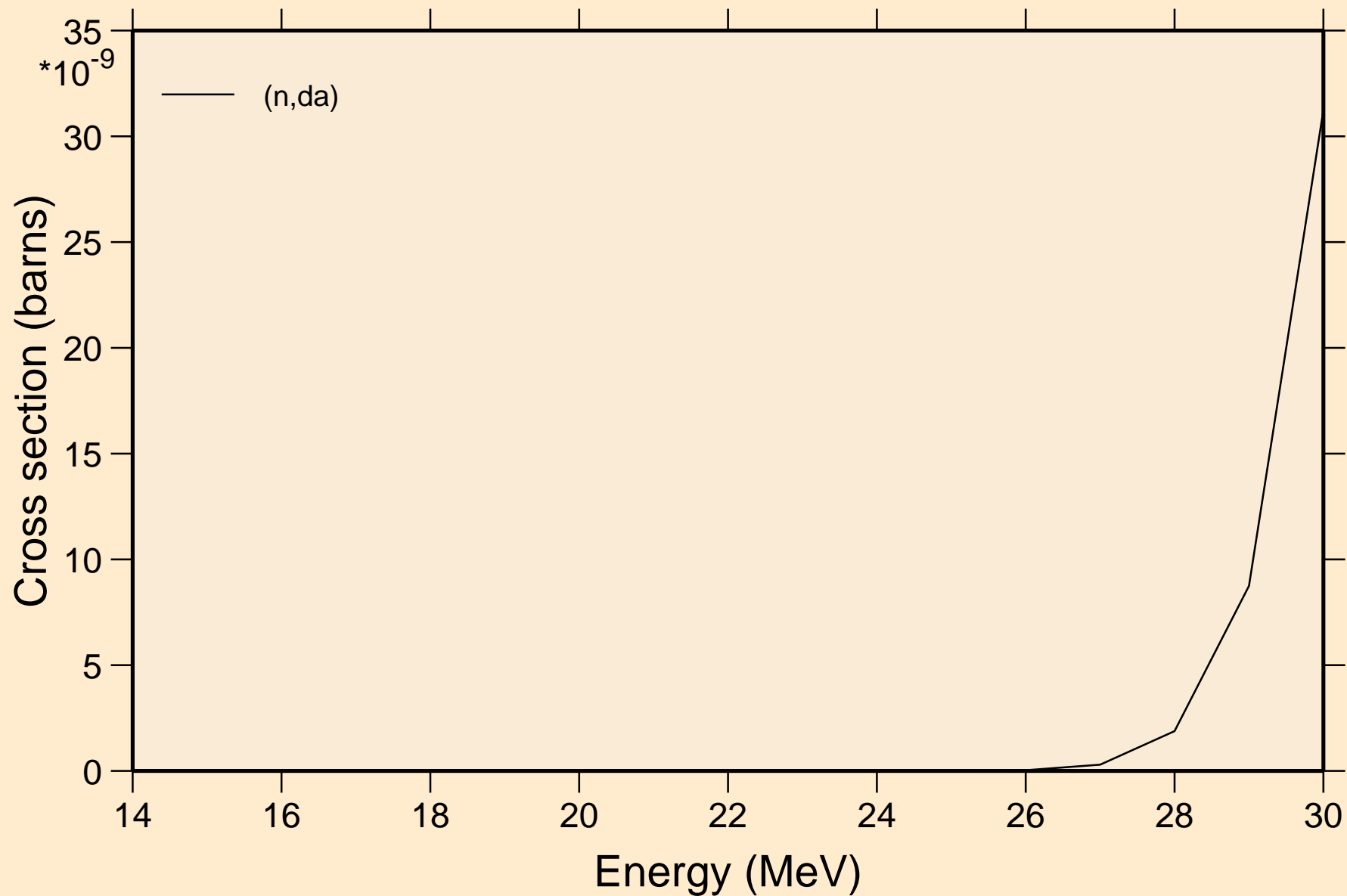


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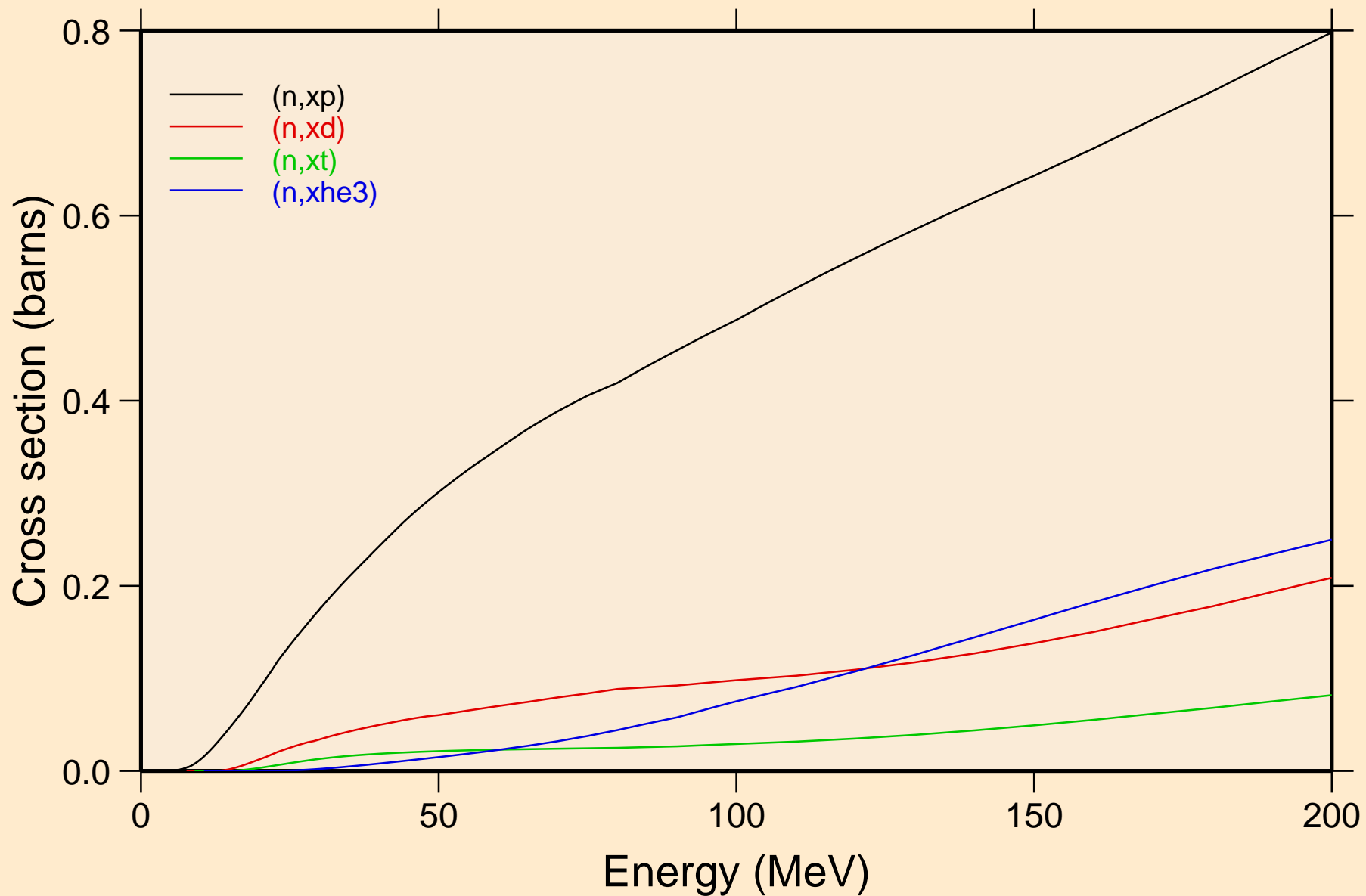
## Threshold reactions



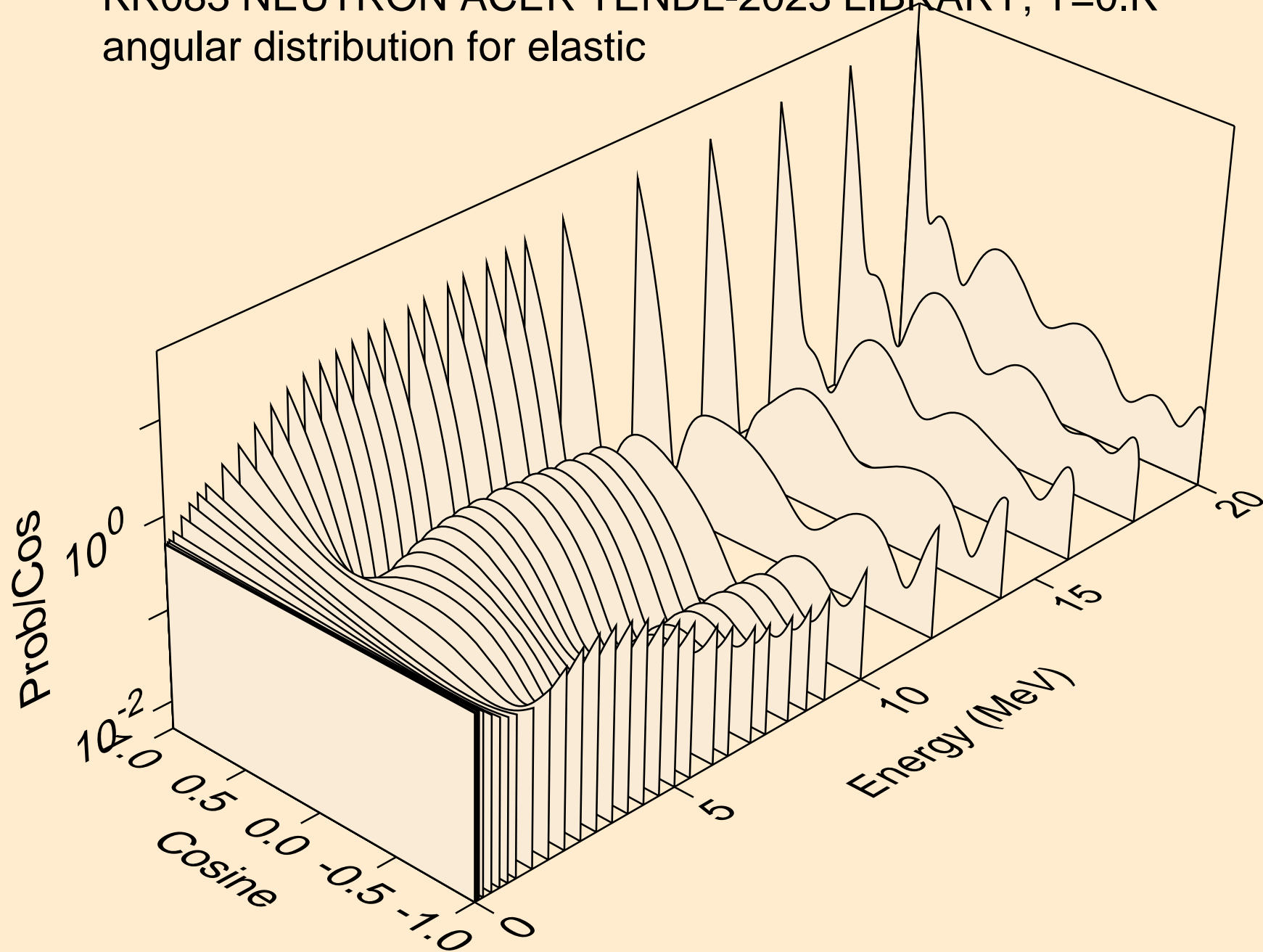
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Threshold reactions



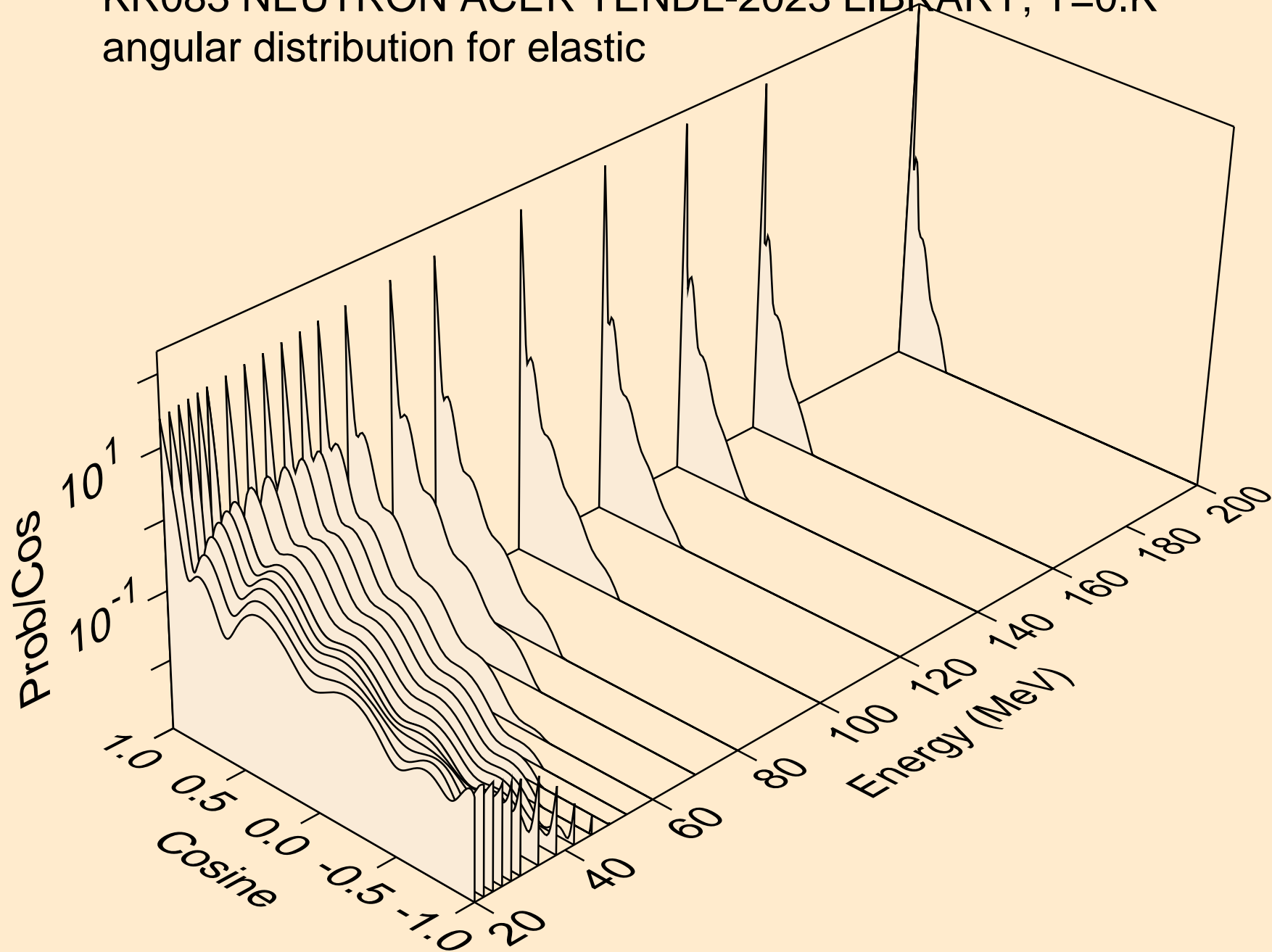
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Threshold reactions



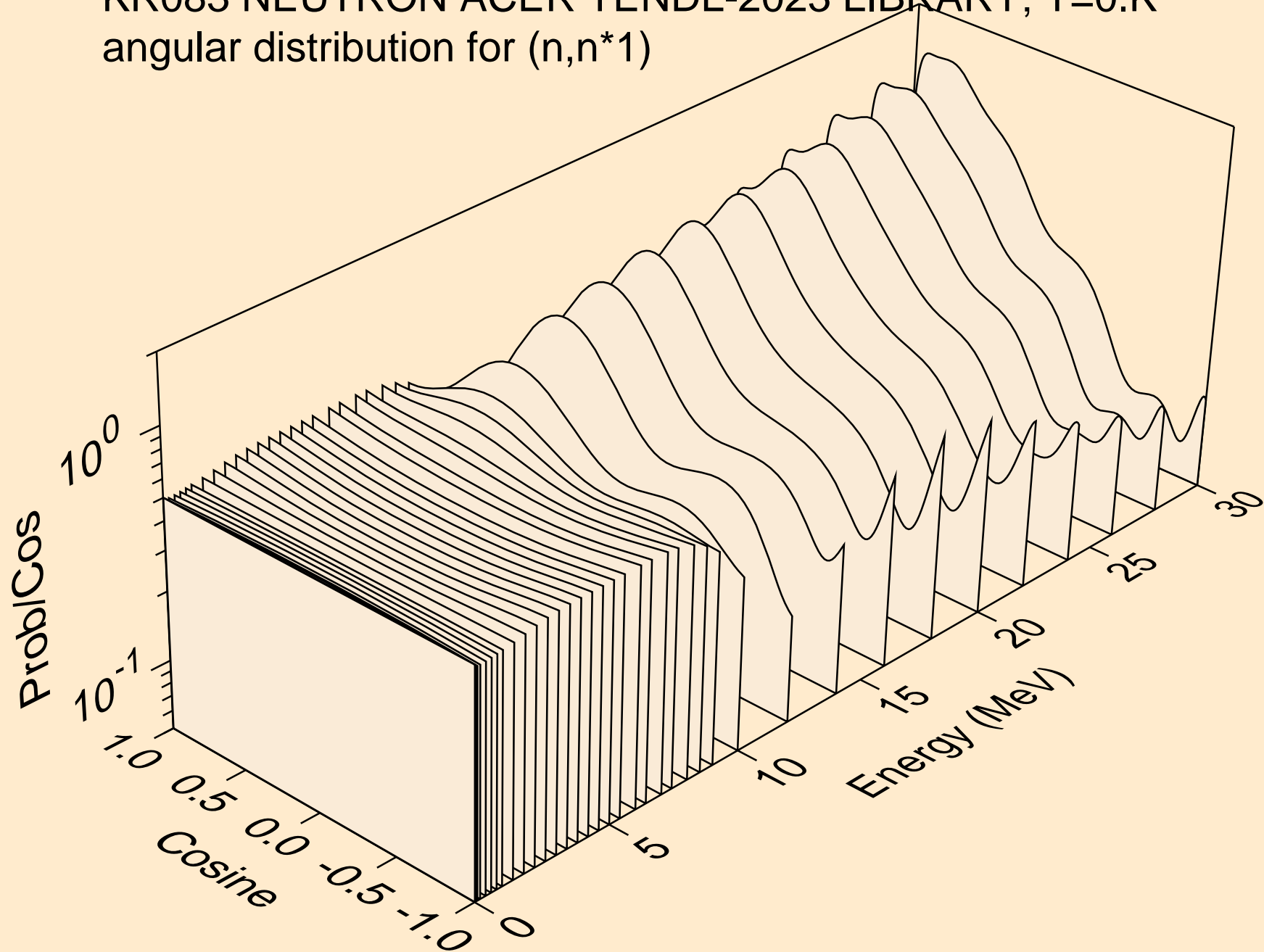
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



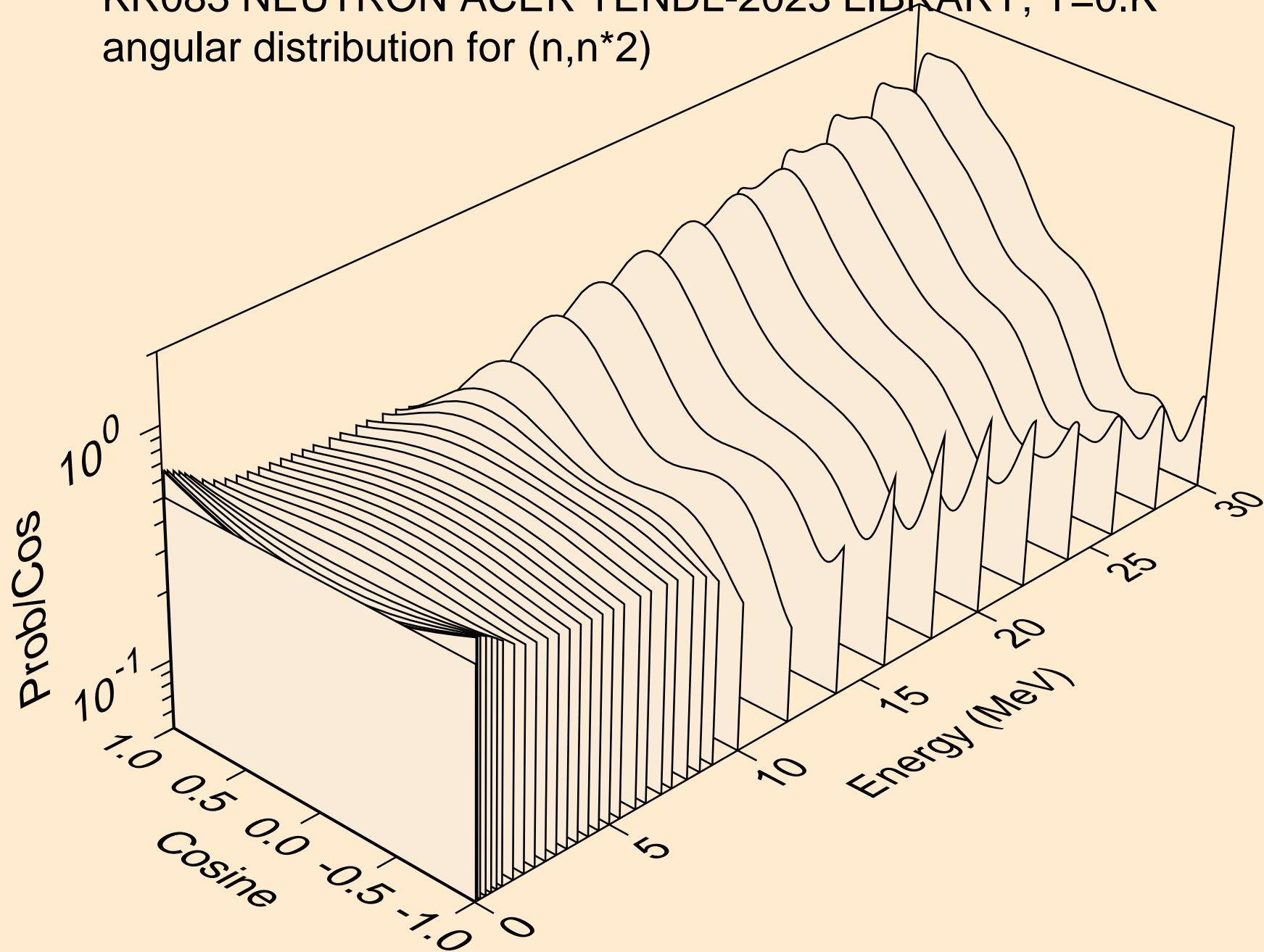
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for elastic



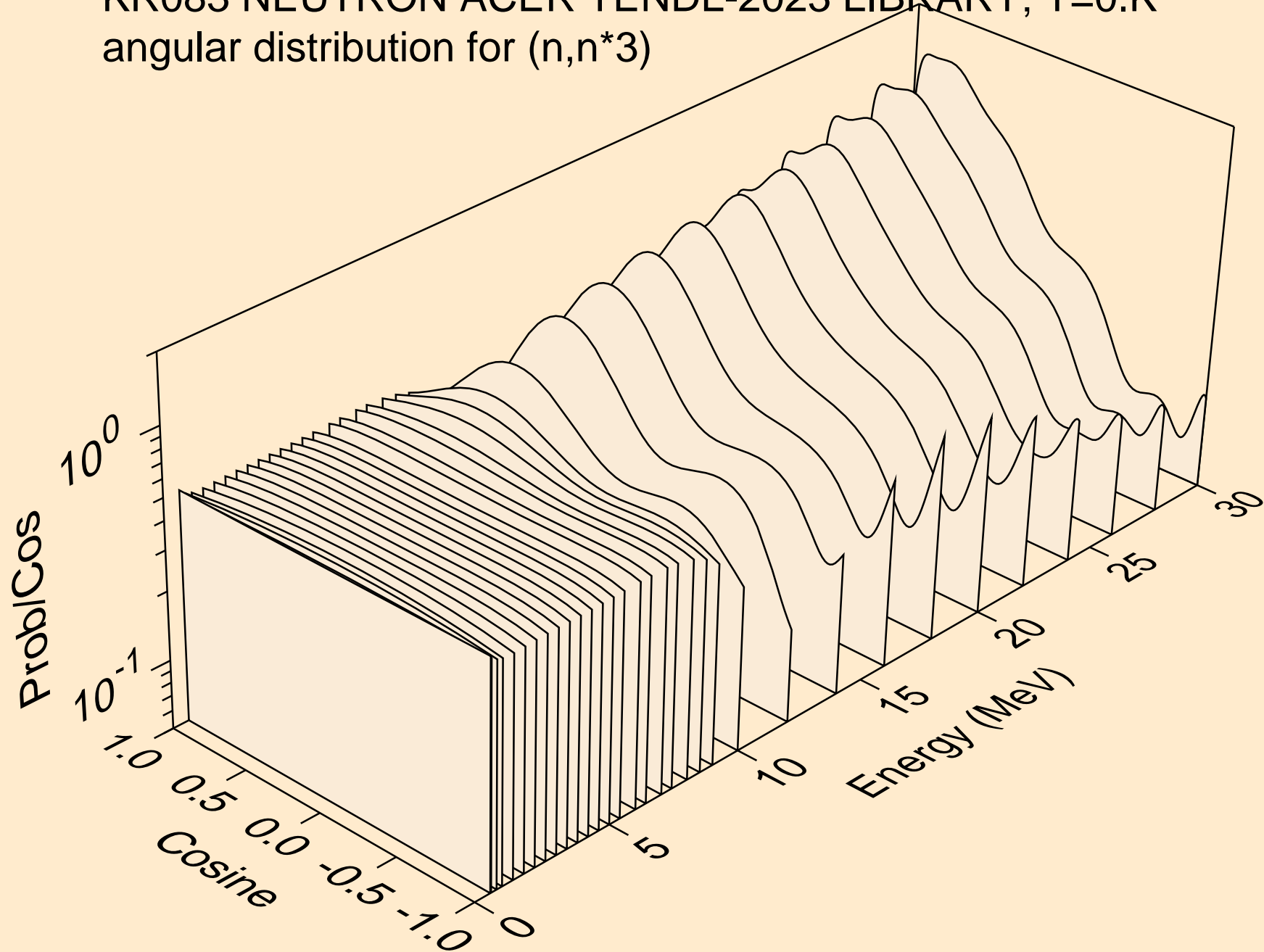
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*1)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*2)

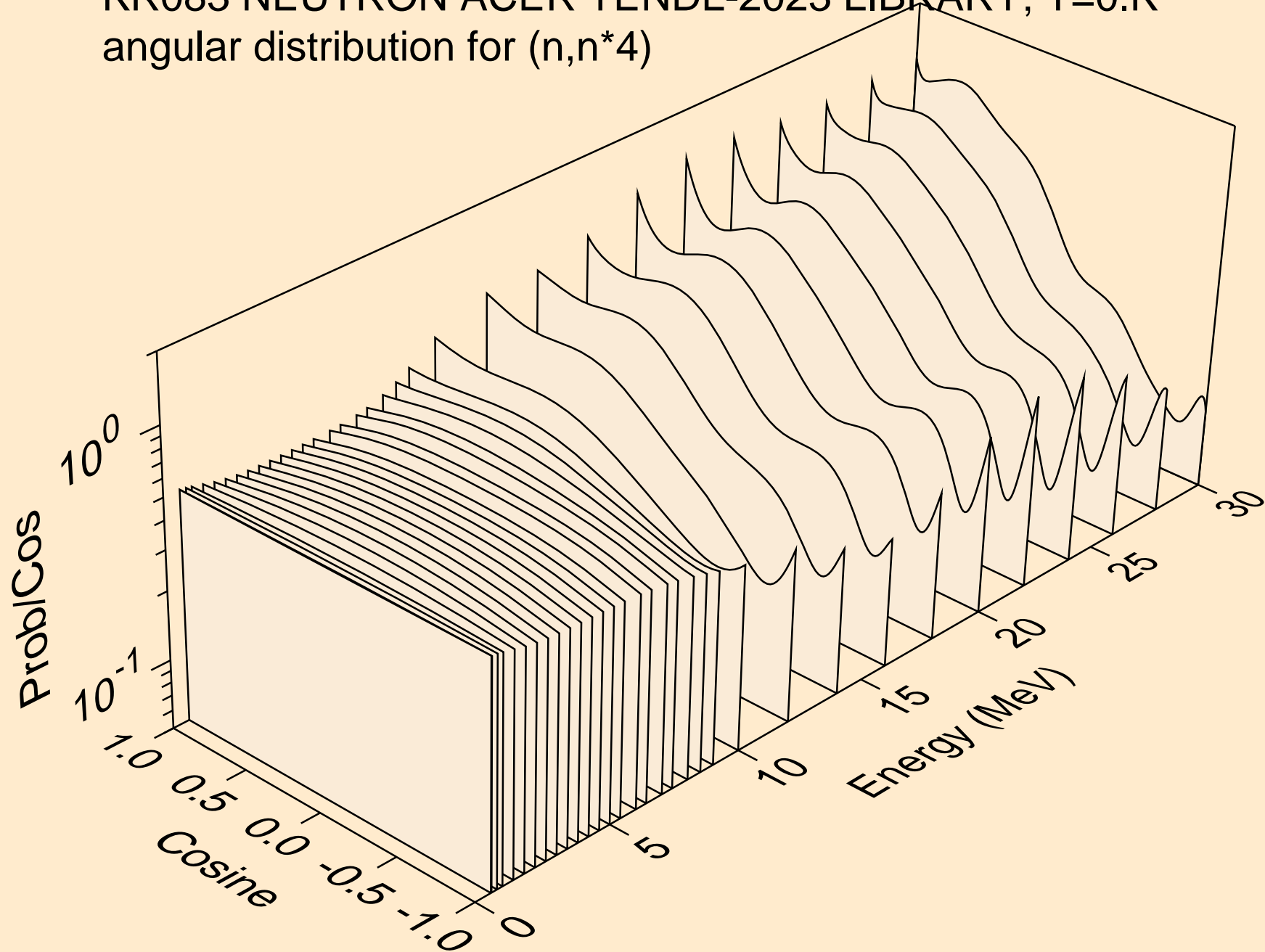


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angular distribution for (n,n\*3)

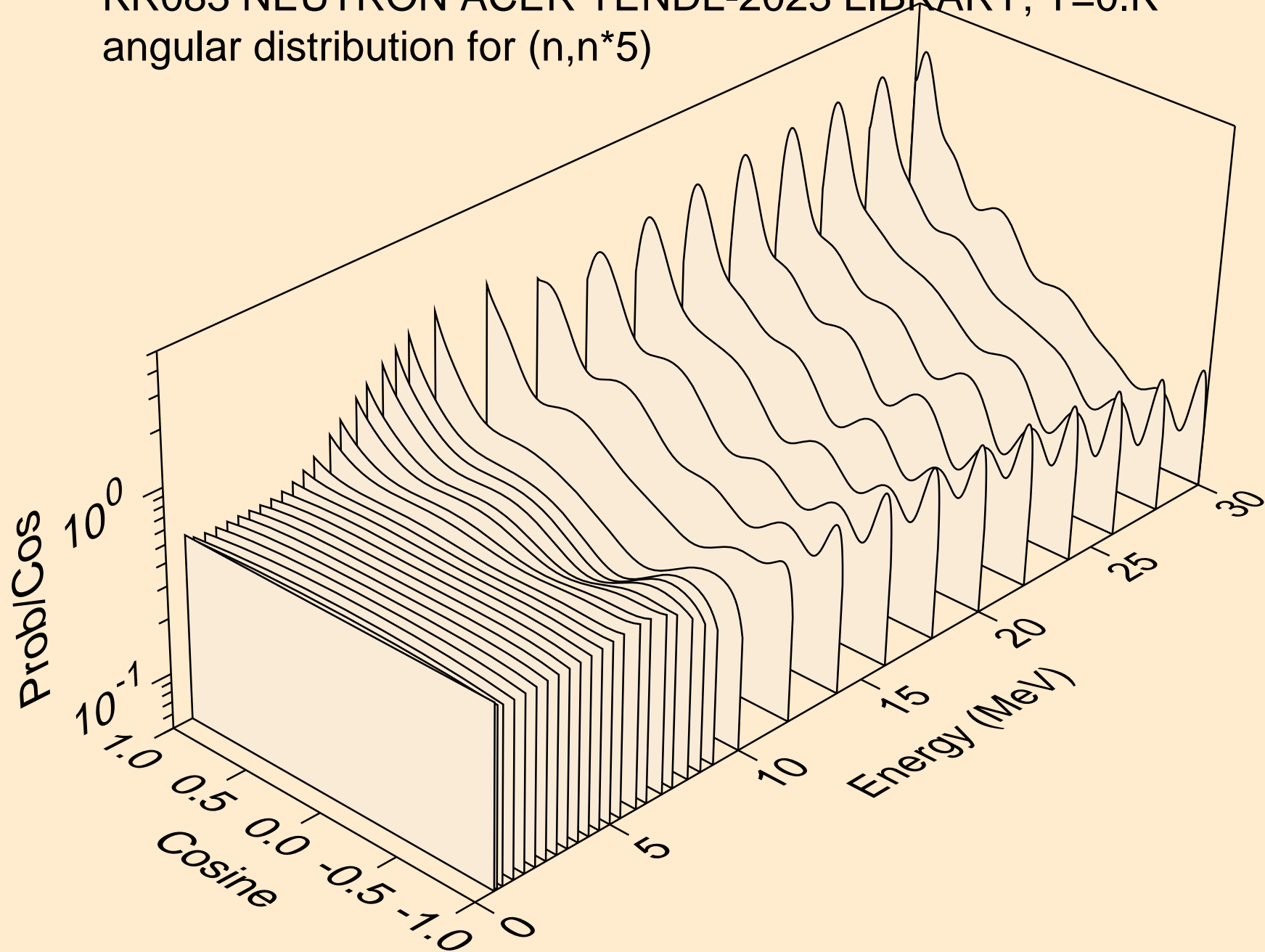




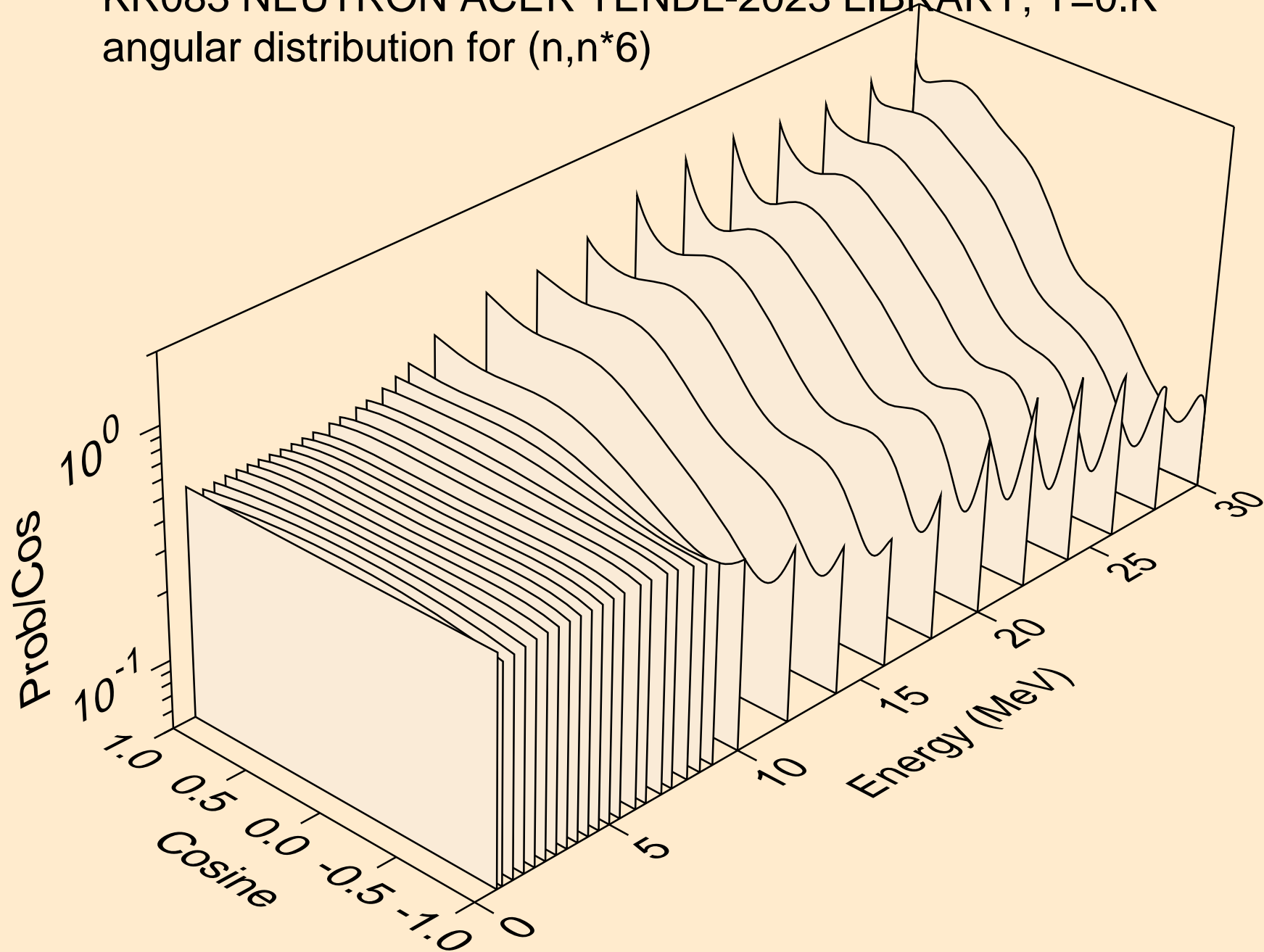
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angular distribution for (n,n\*4)



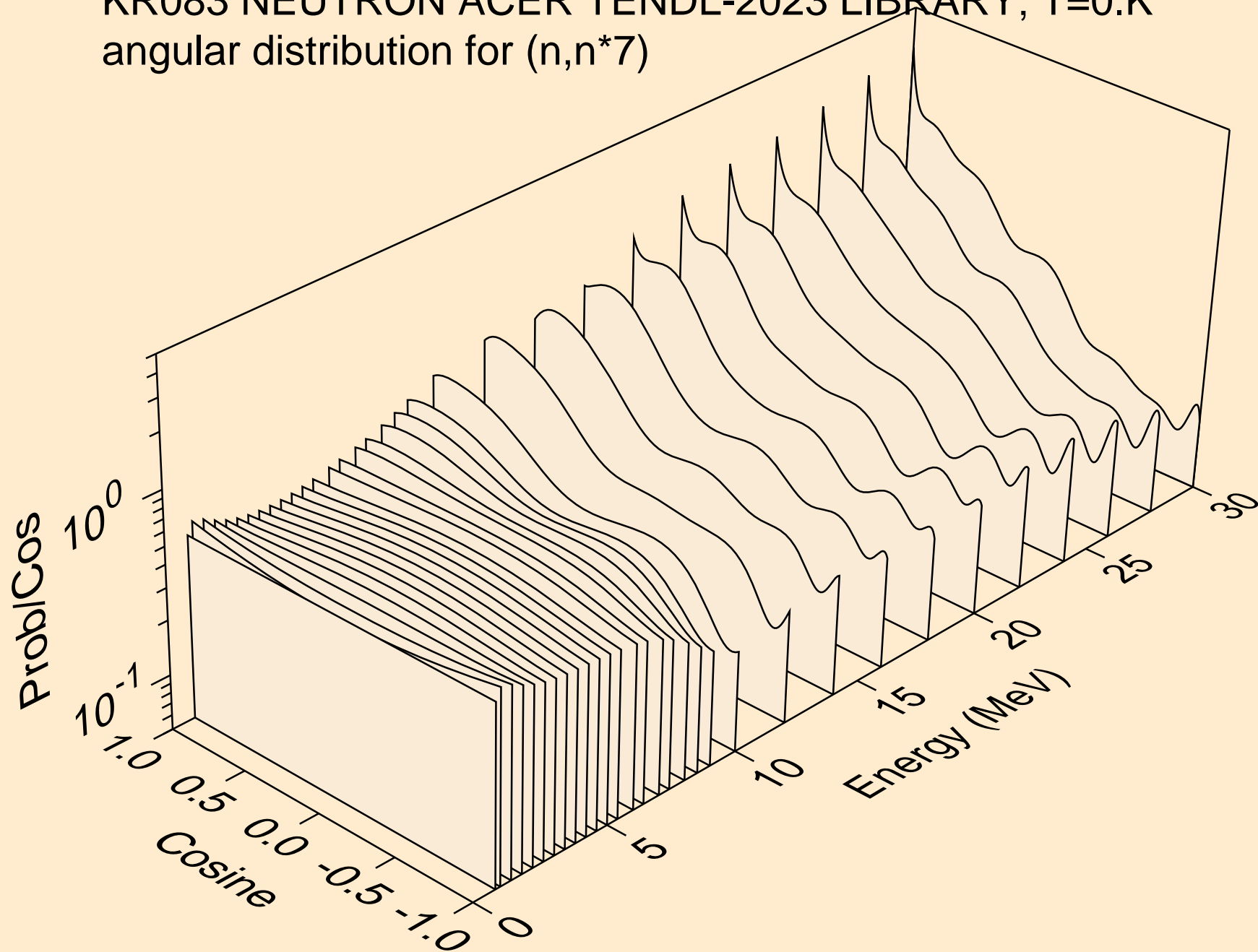
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angular distribution for (n,n\*5)



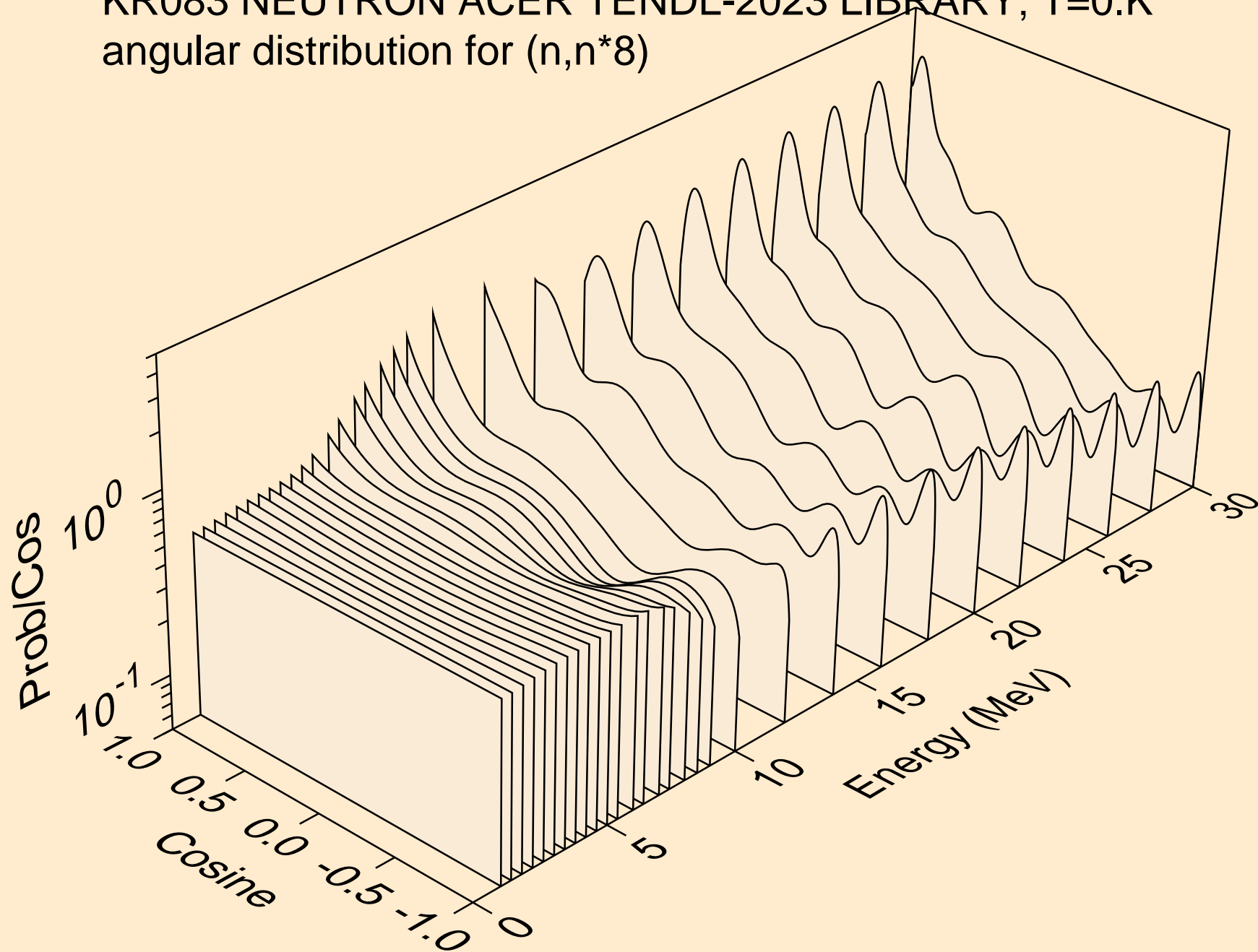
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angular distribution for (n,n\*6)



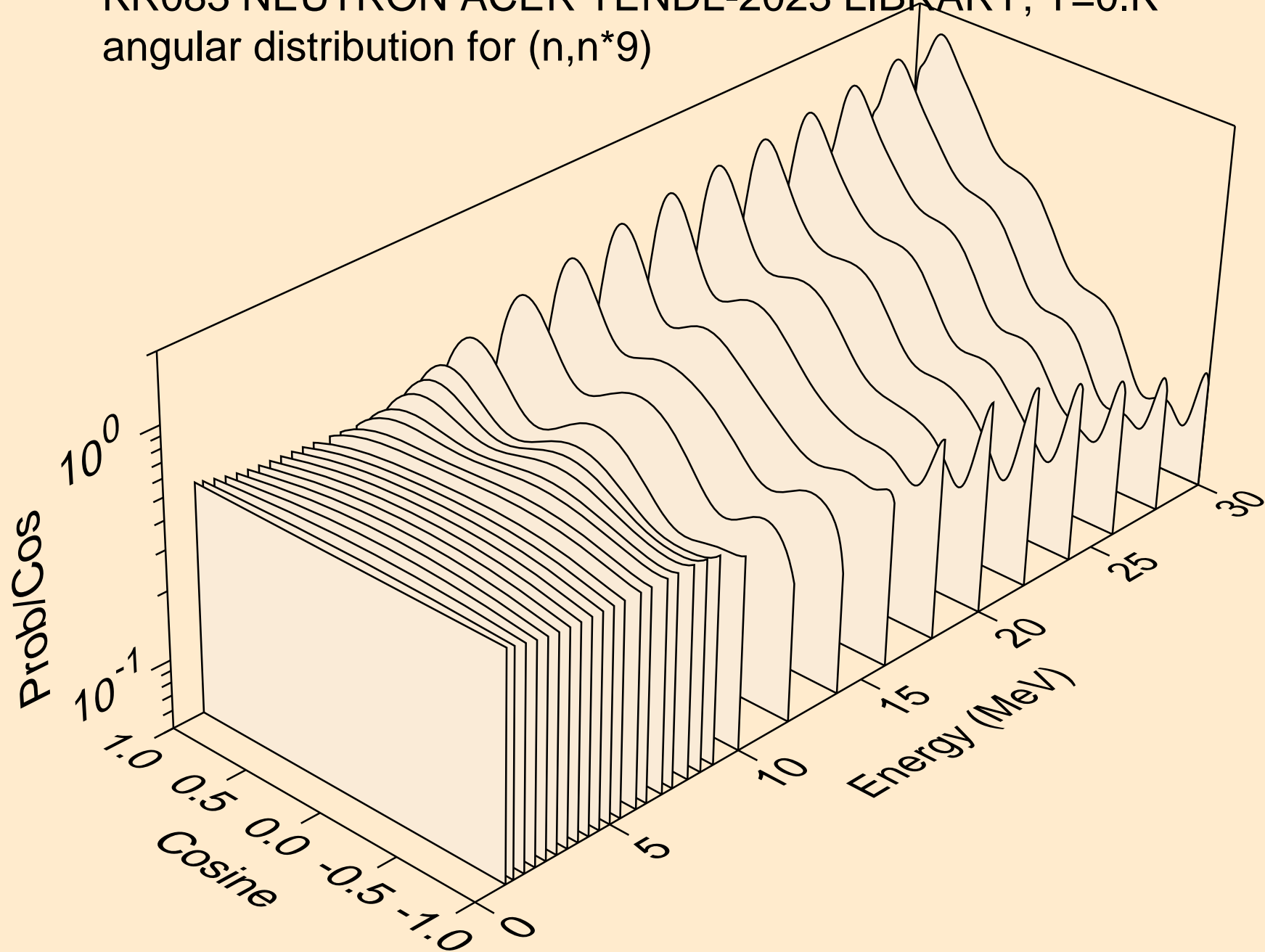
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angular distribution for (n,n\*7)



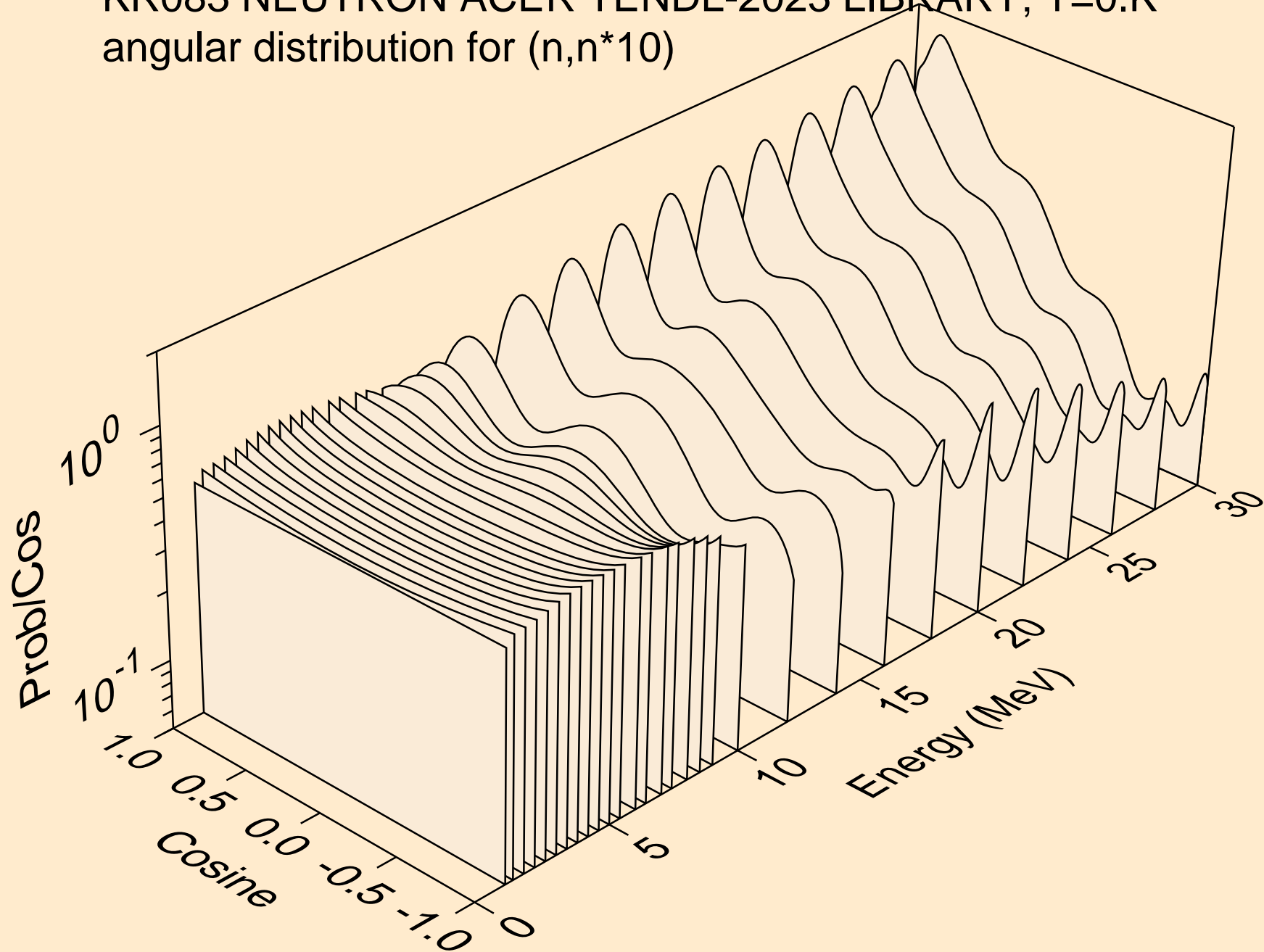
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angular distribution for (n,n\*8)



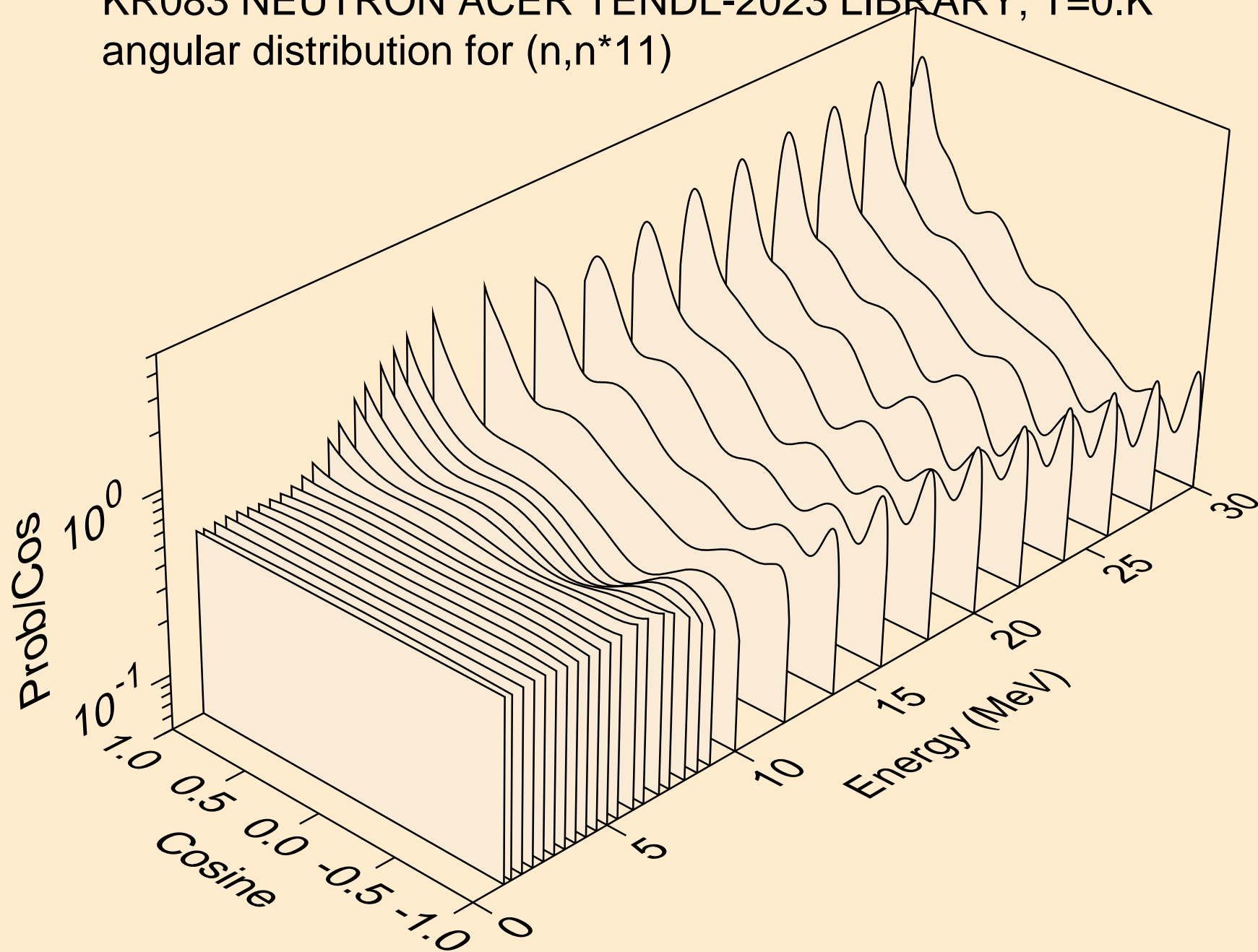
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*9)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
angular distribution for (n,n\*10)

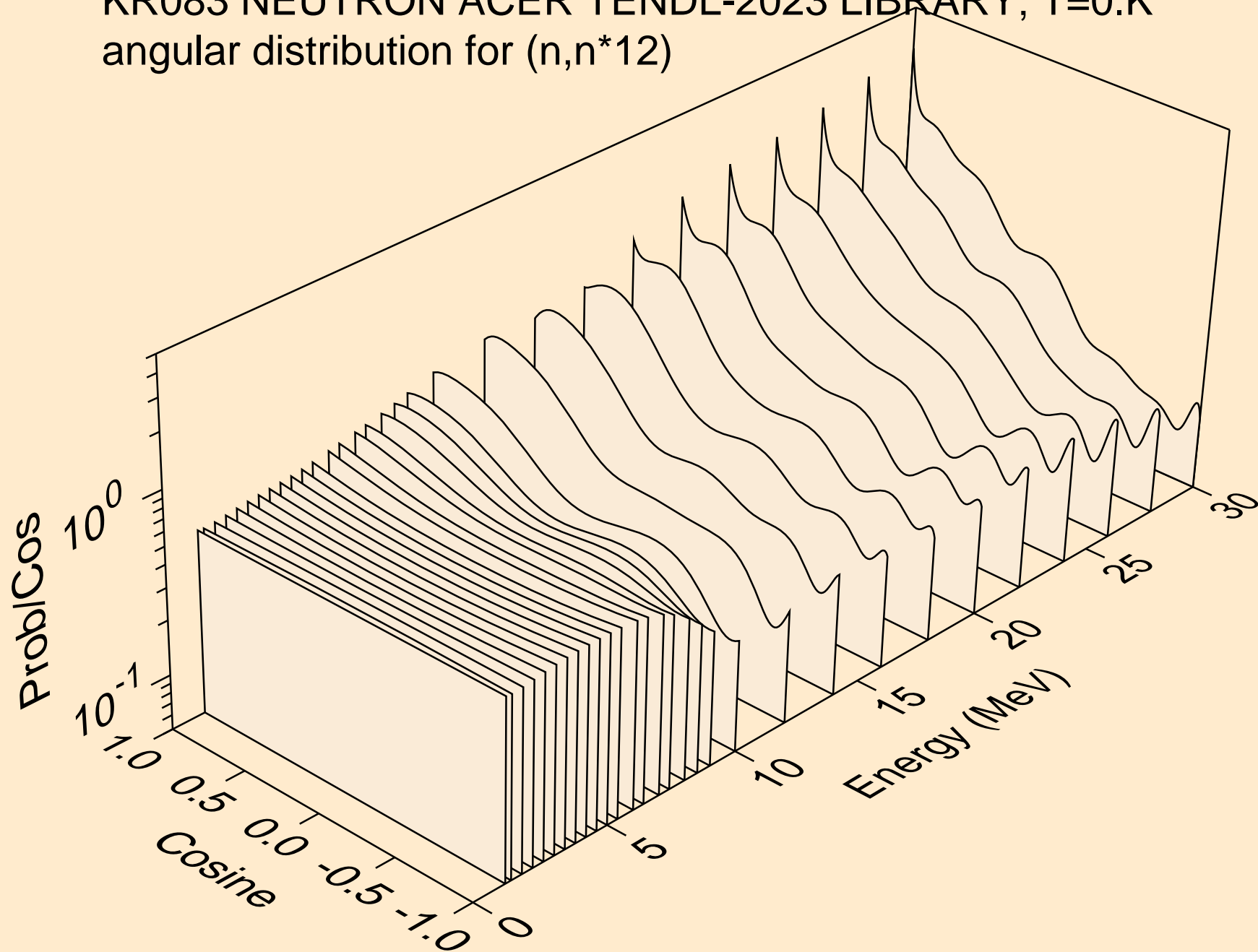


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angular distribution for (n,n\*11)

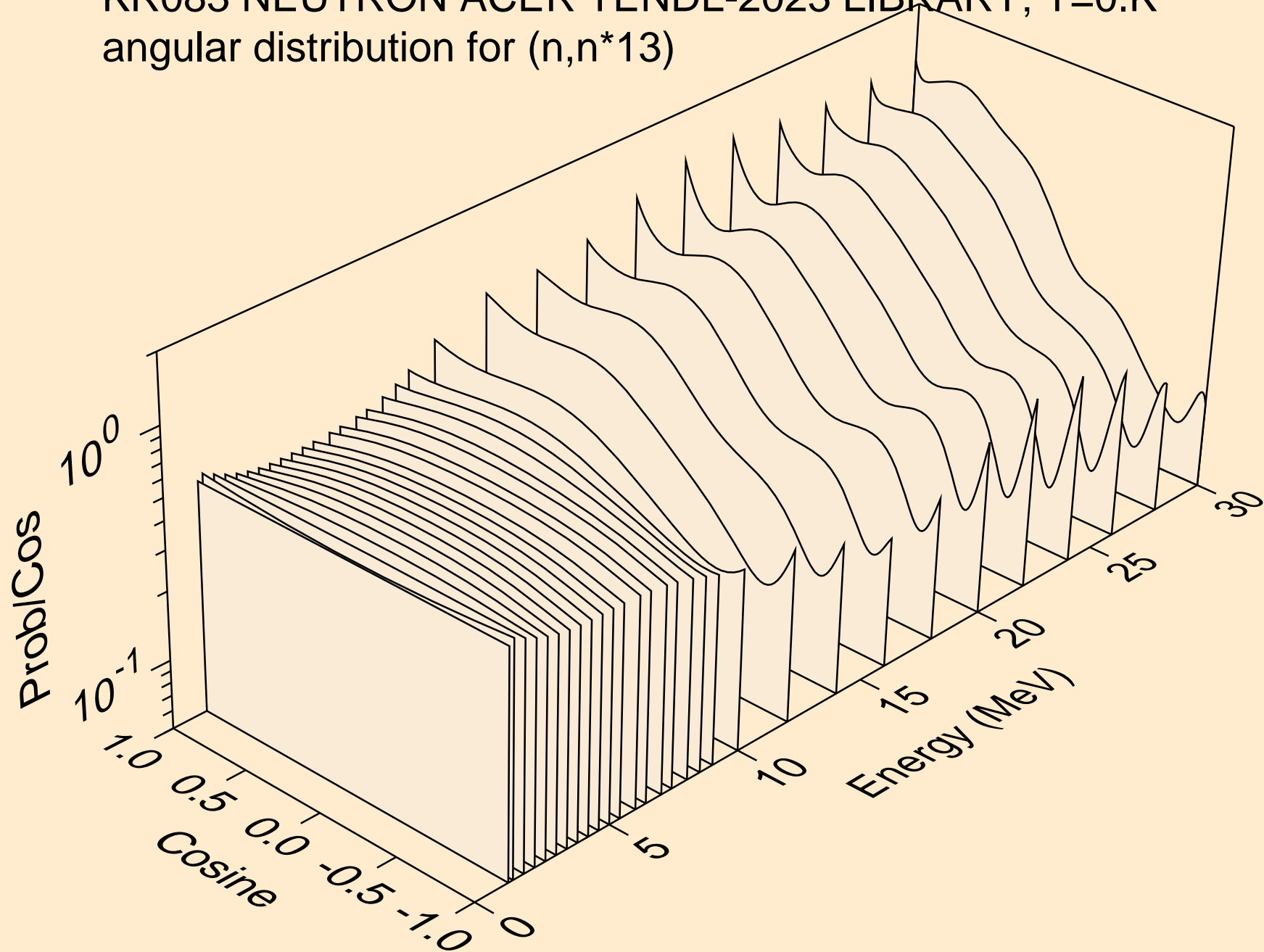




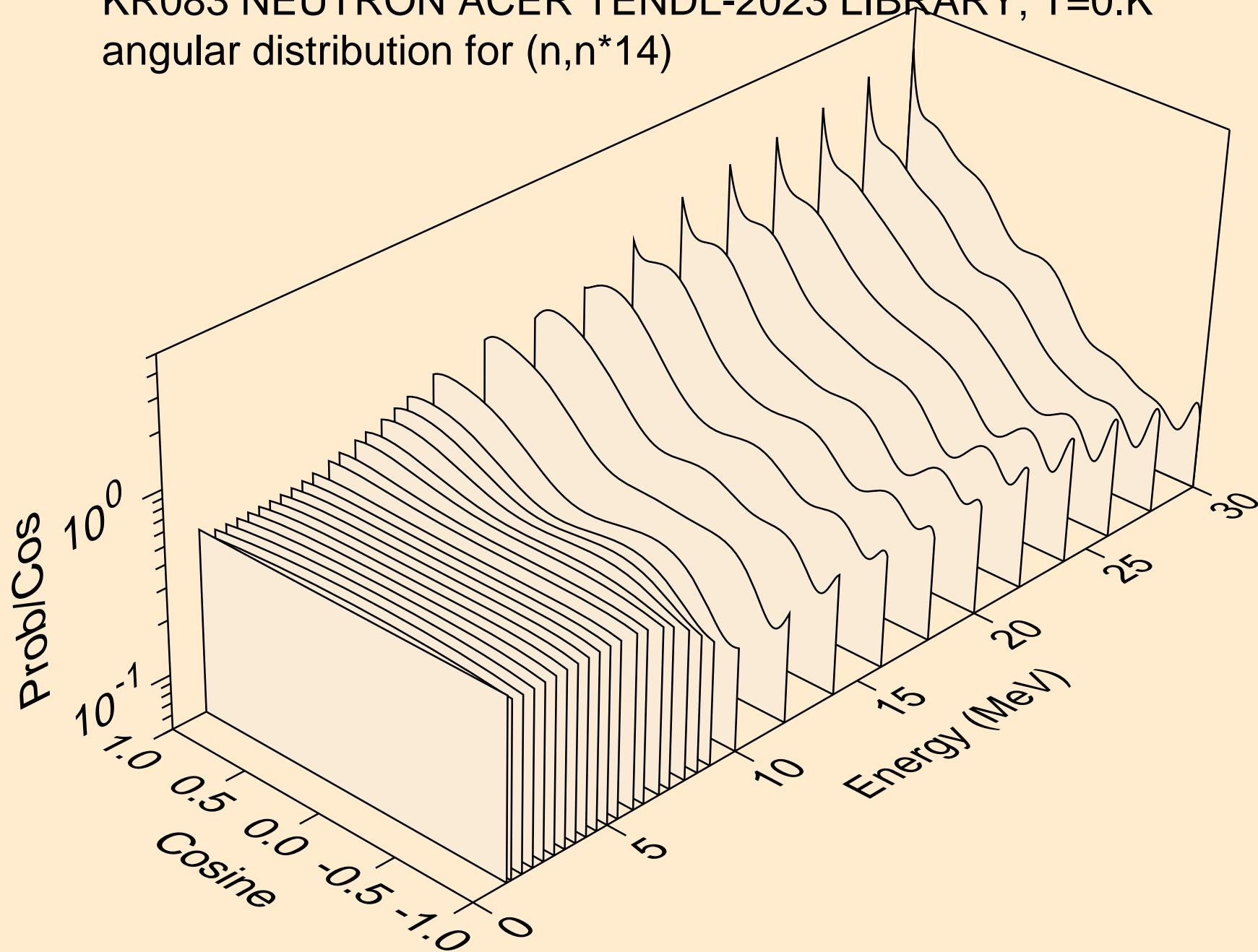
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angular distribution for (n,n\*12)



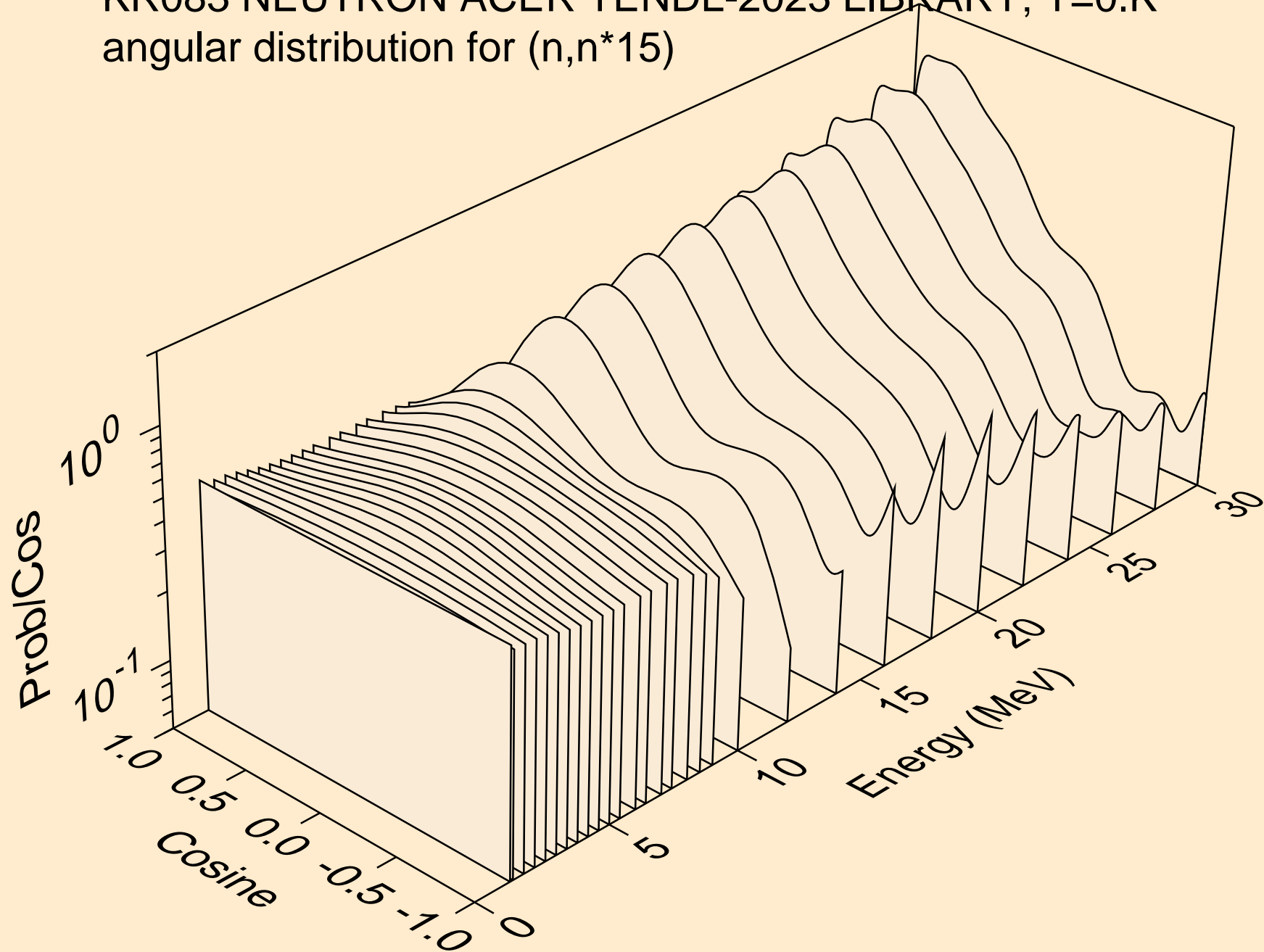
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angular distribution for (n,n\*13)



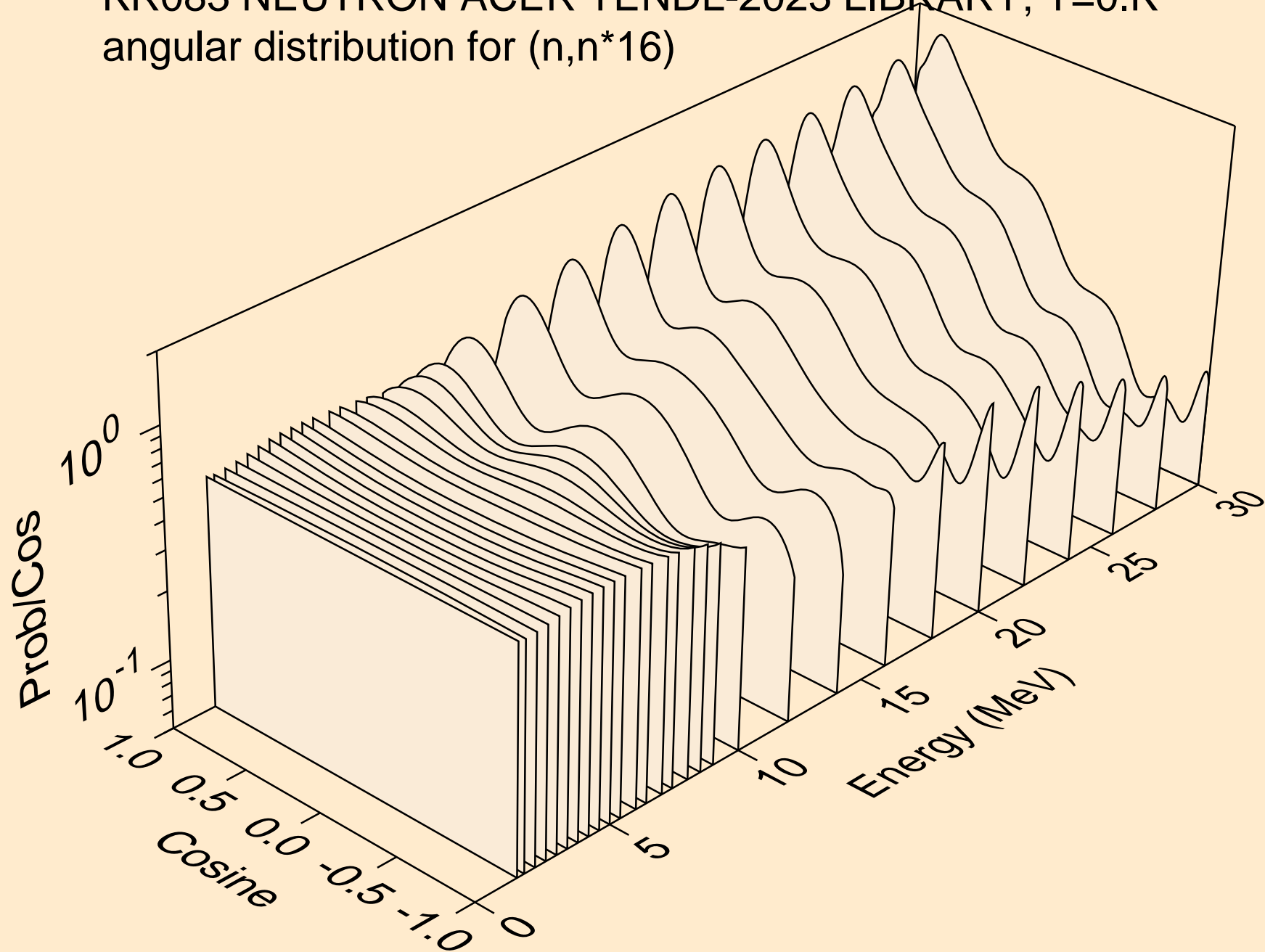
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angular distribution for (n,n\*14)



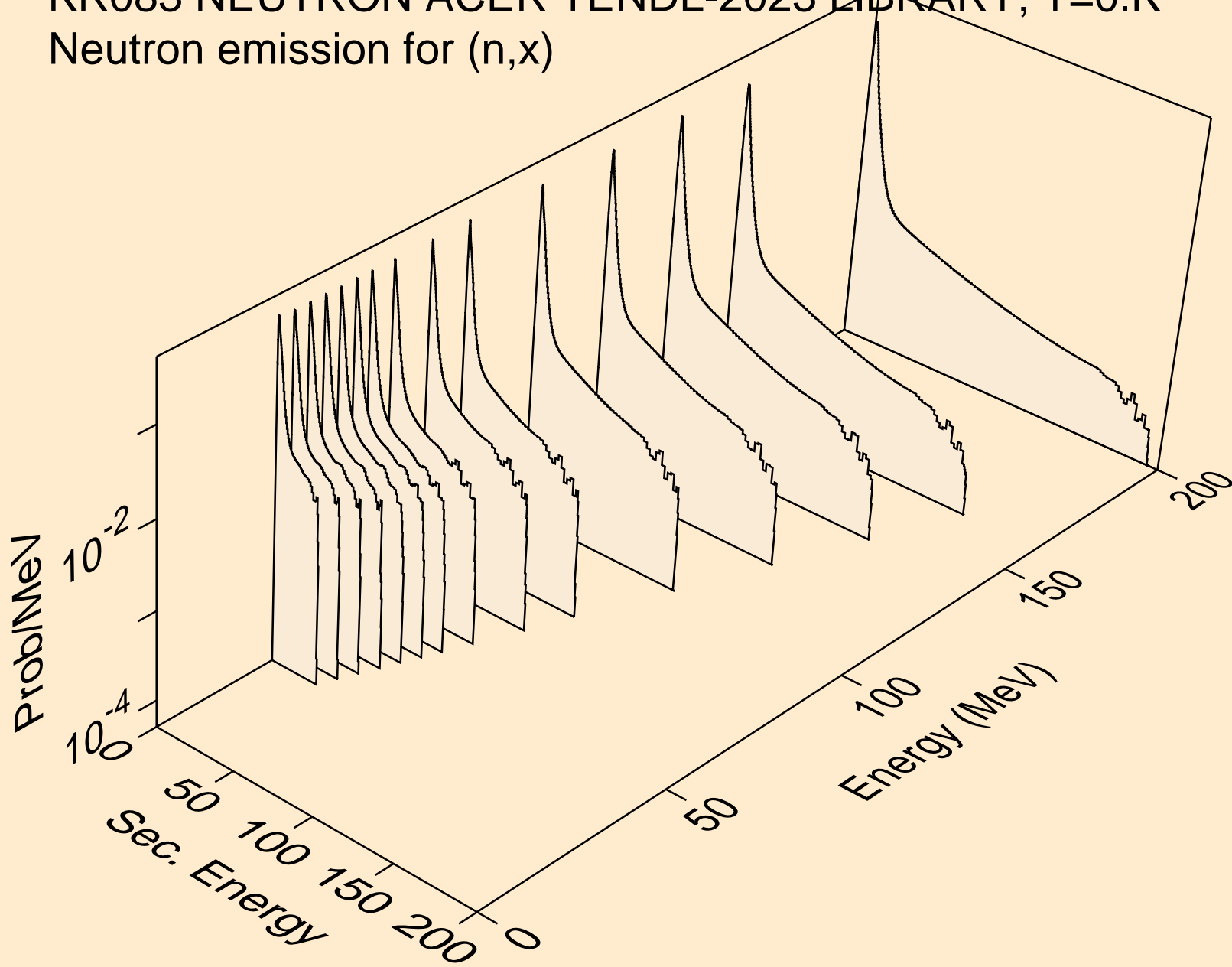
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angular distribution for (n,n\*15)



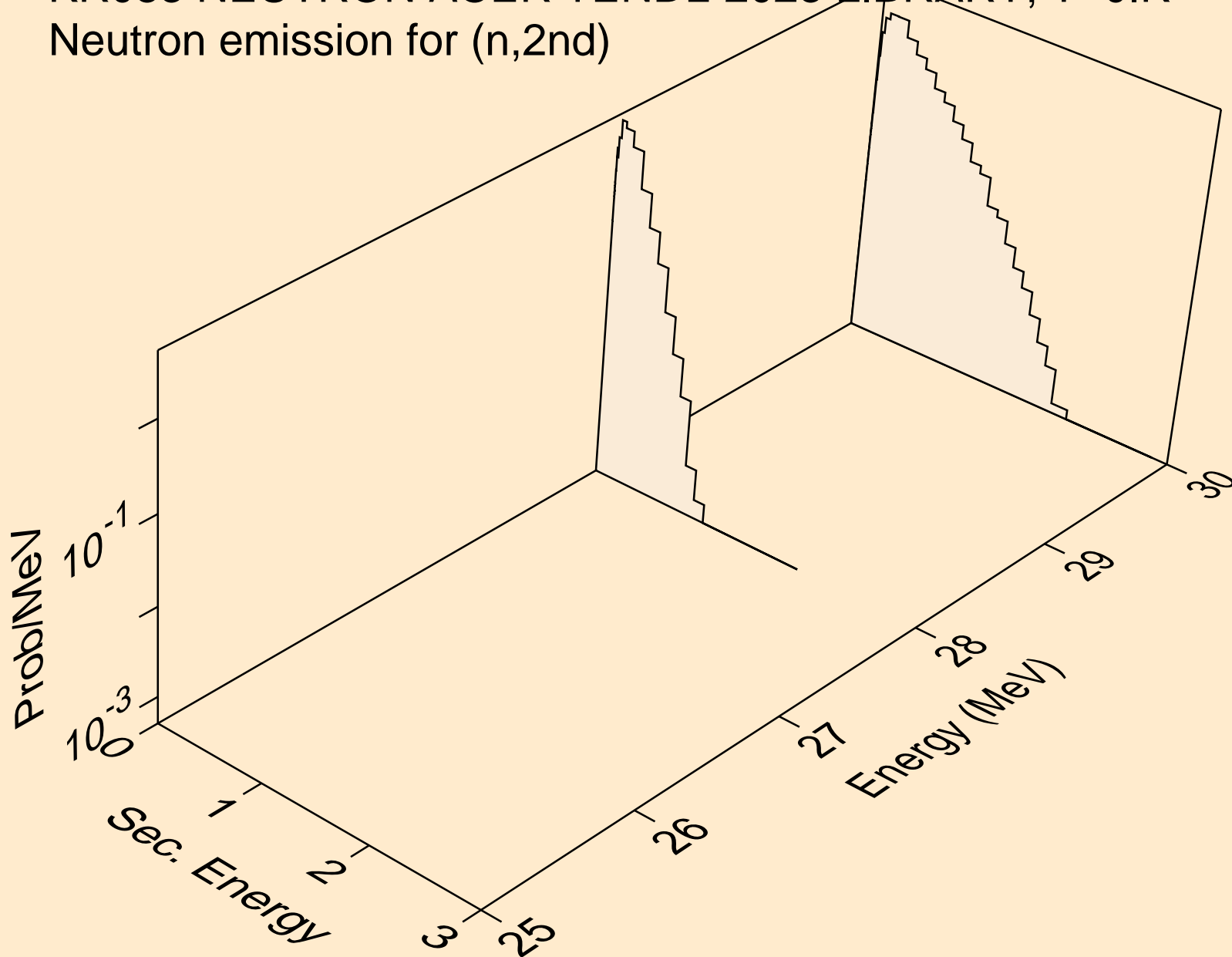
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angular distribution for (n,n\*16)



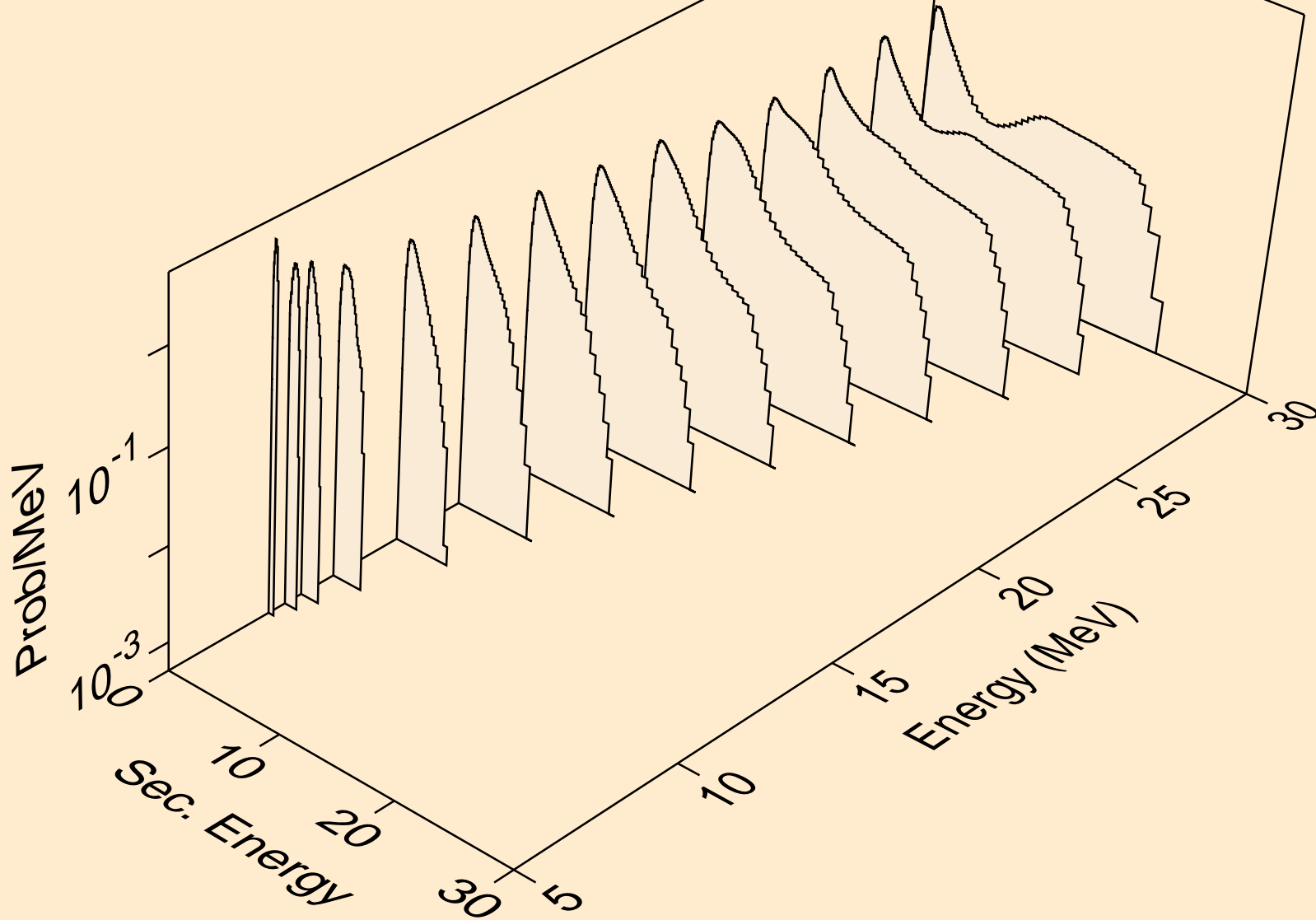
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,x)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2nd)

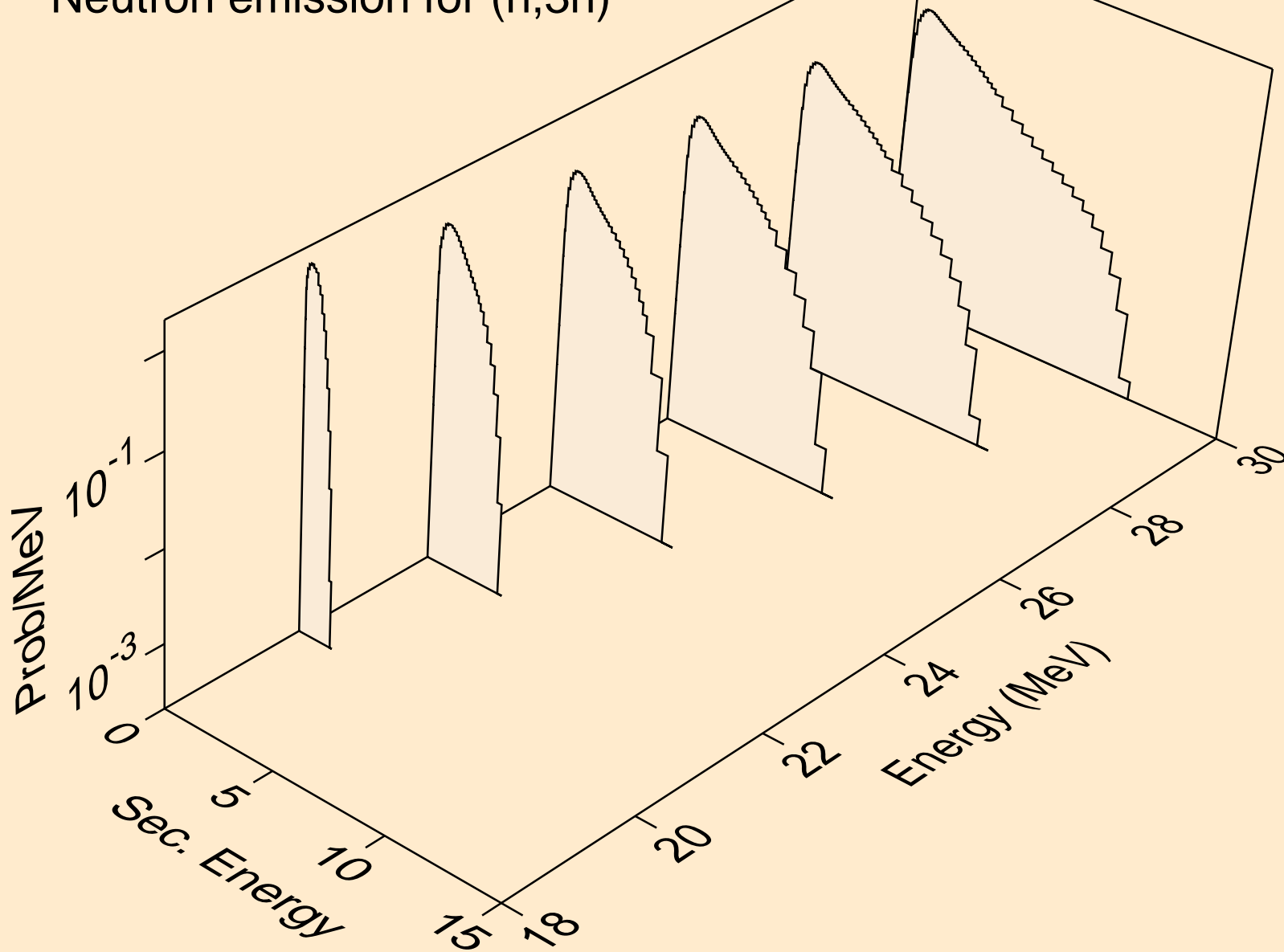


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,2n)

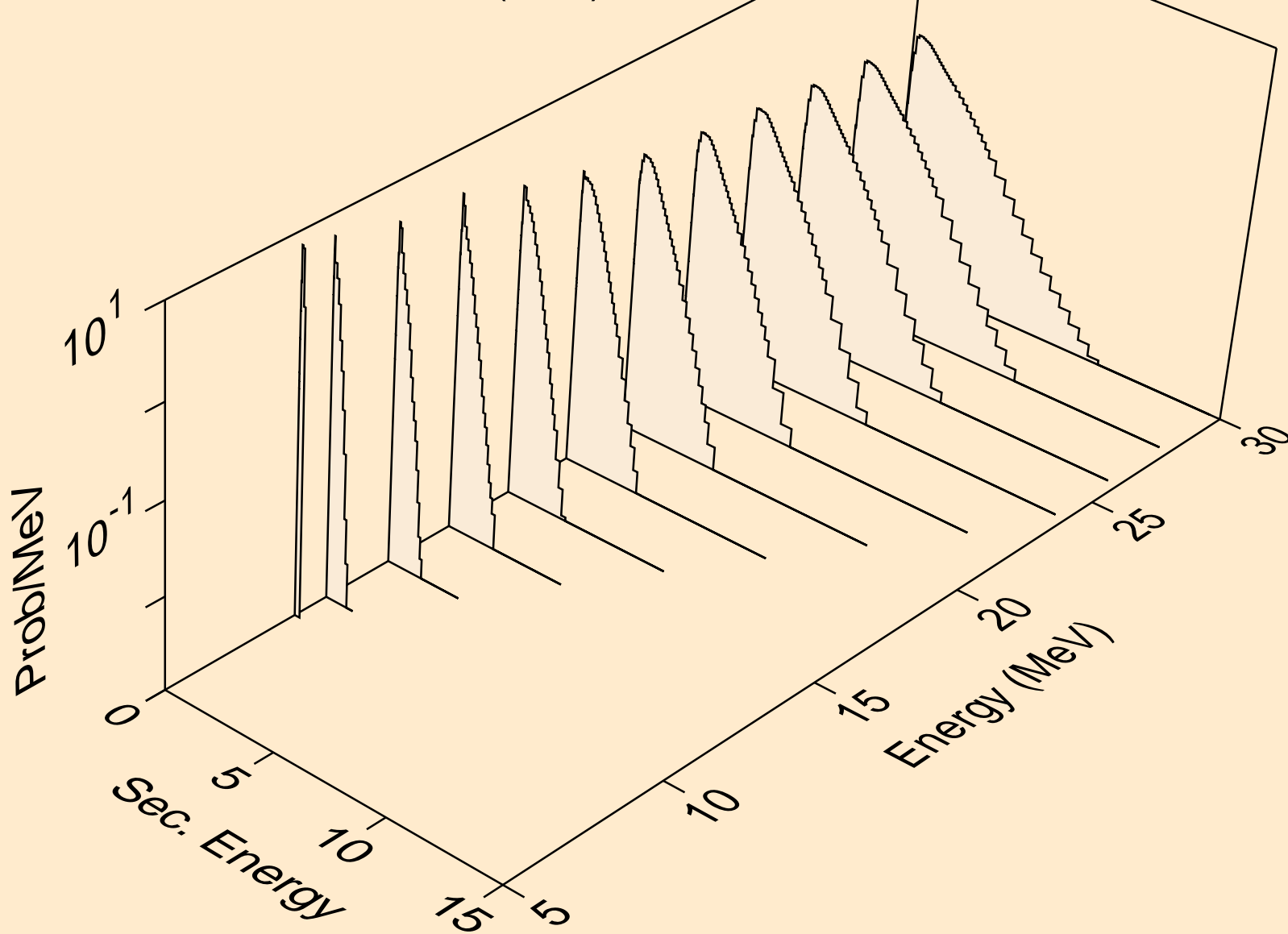




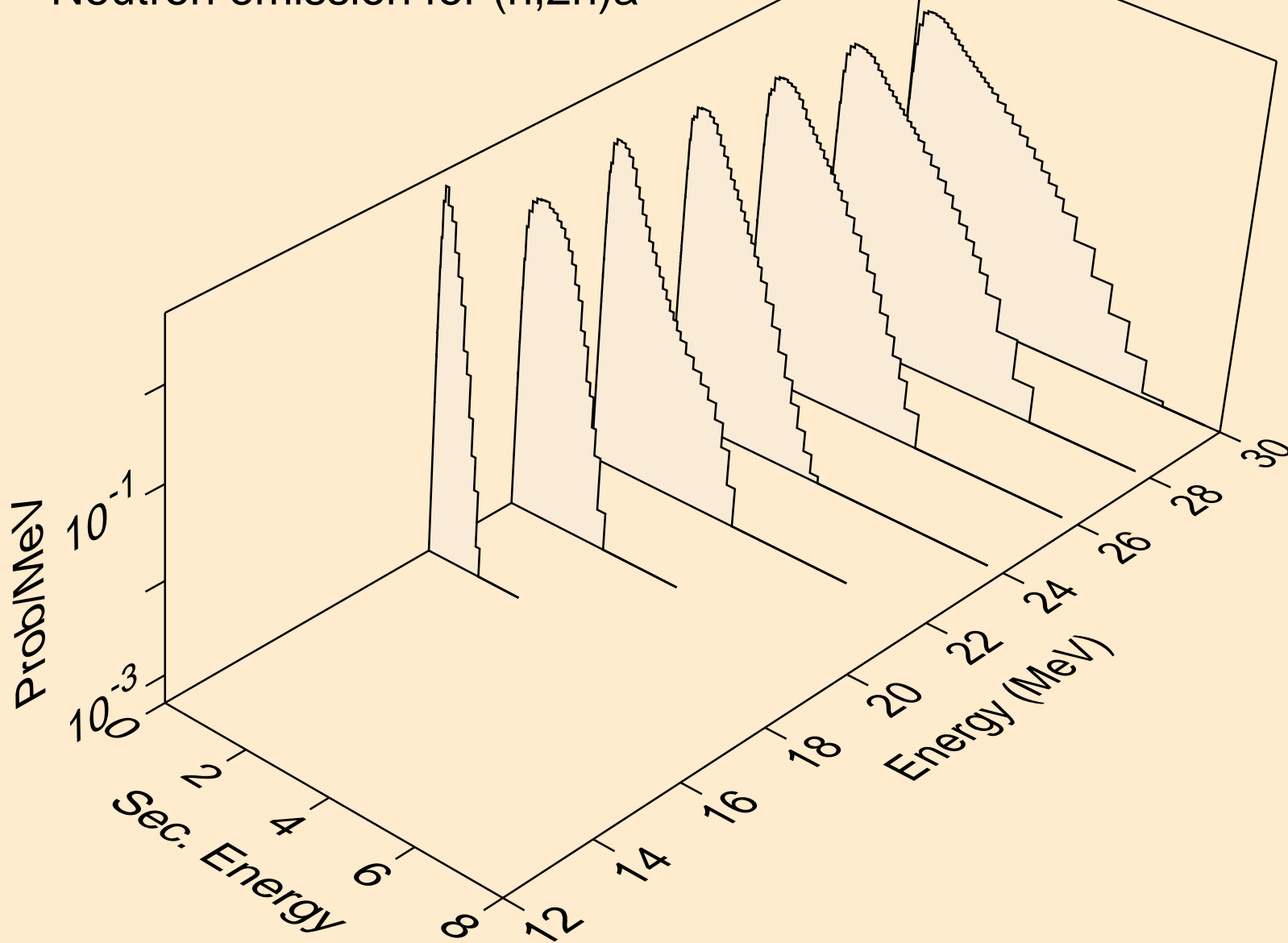
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Neutron emission for (n,3n)



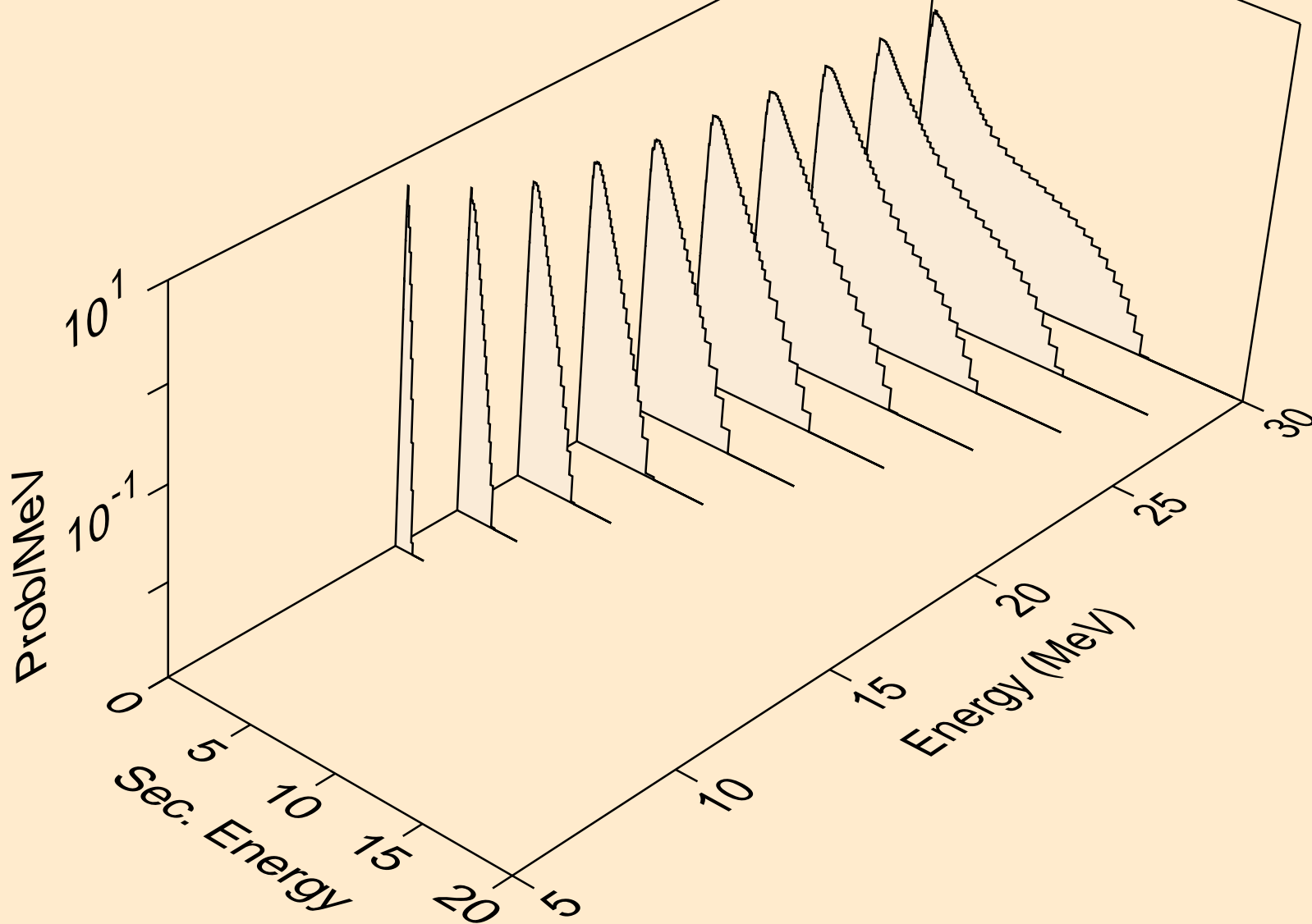
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)a



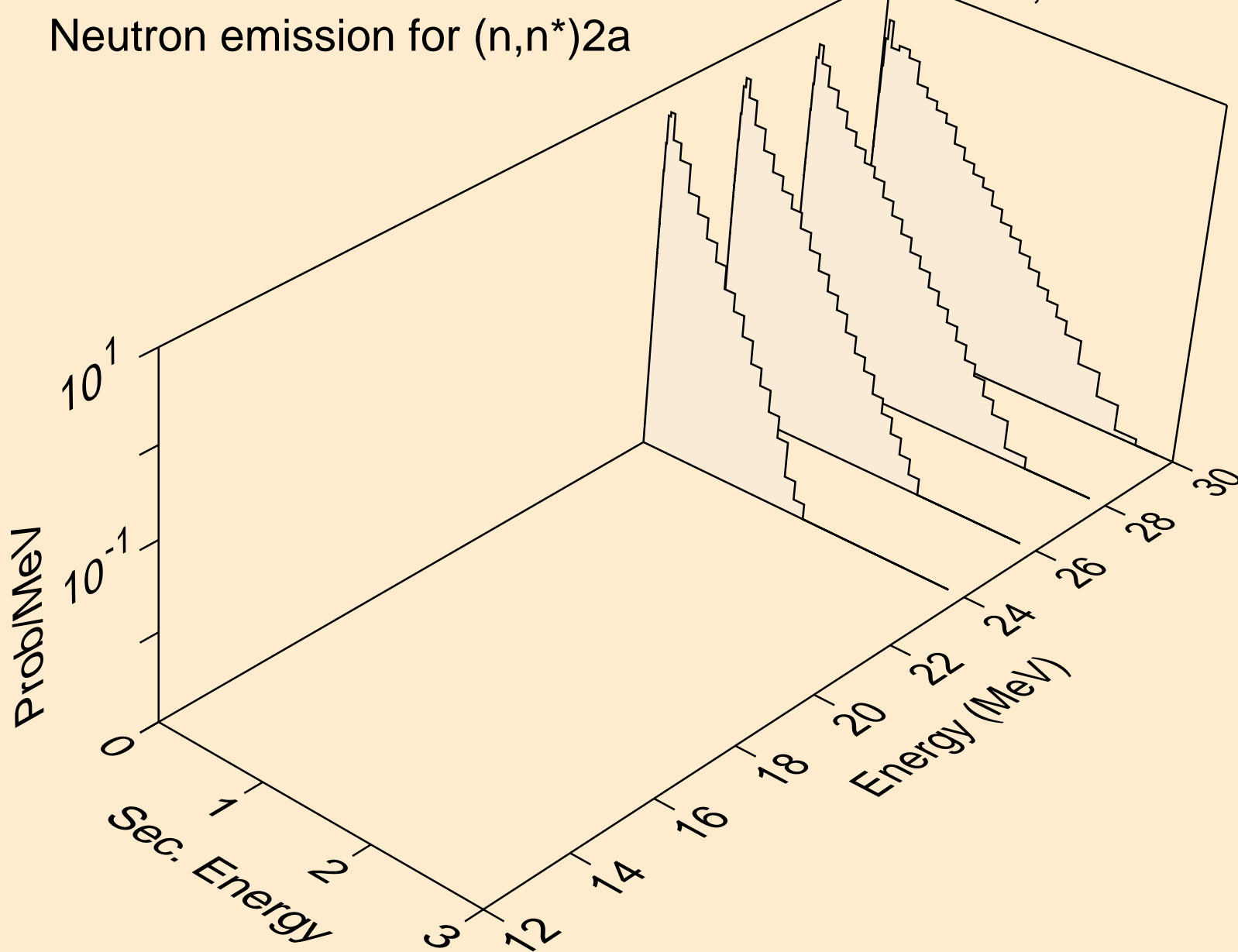
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Neutron emission for (n,2n)a



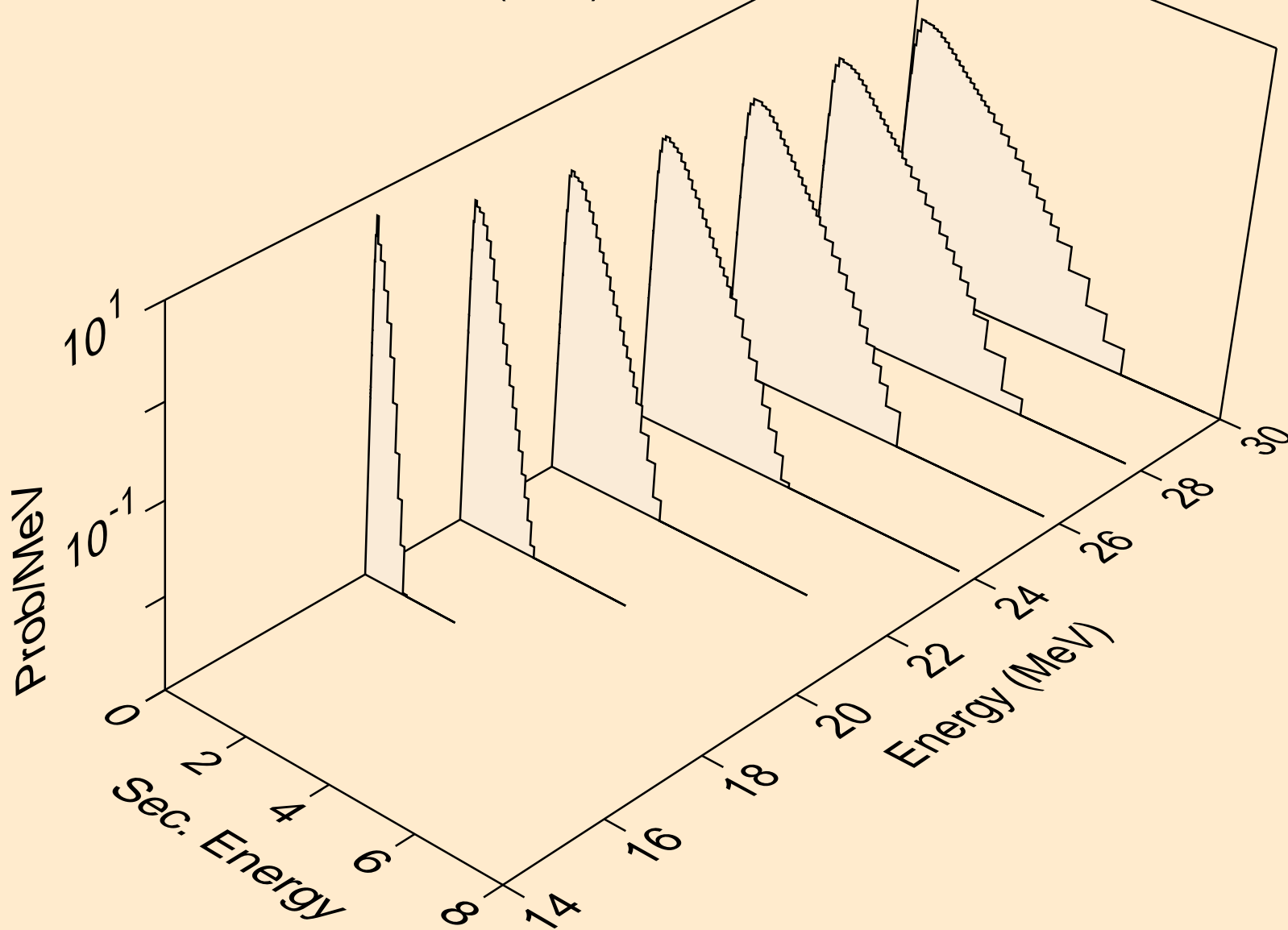
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Neutron emission for (n,n\*)p



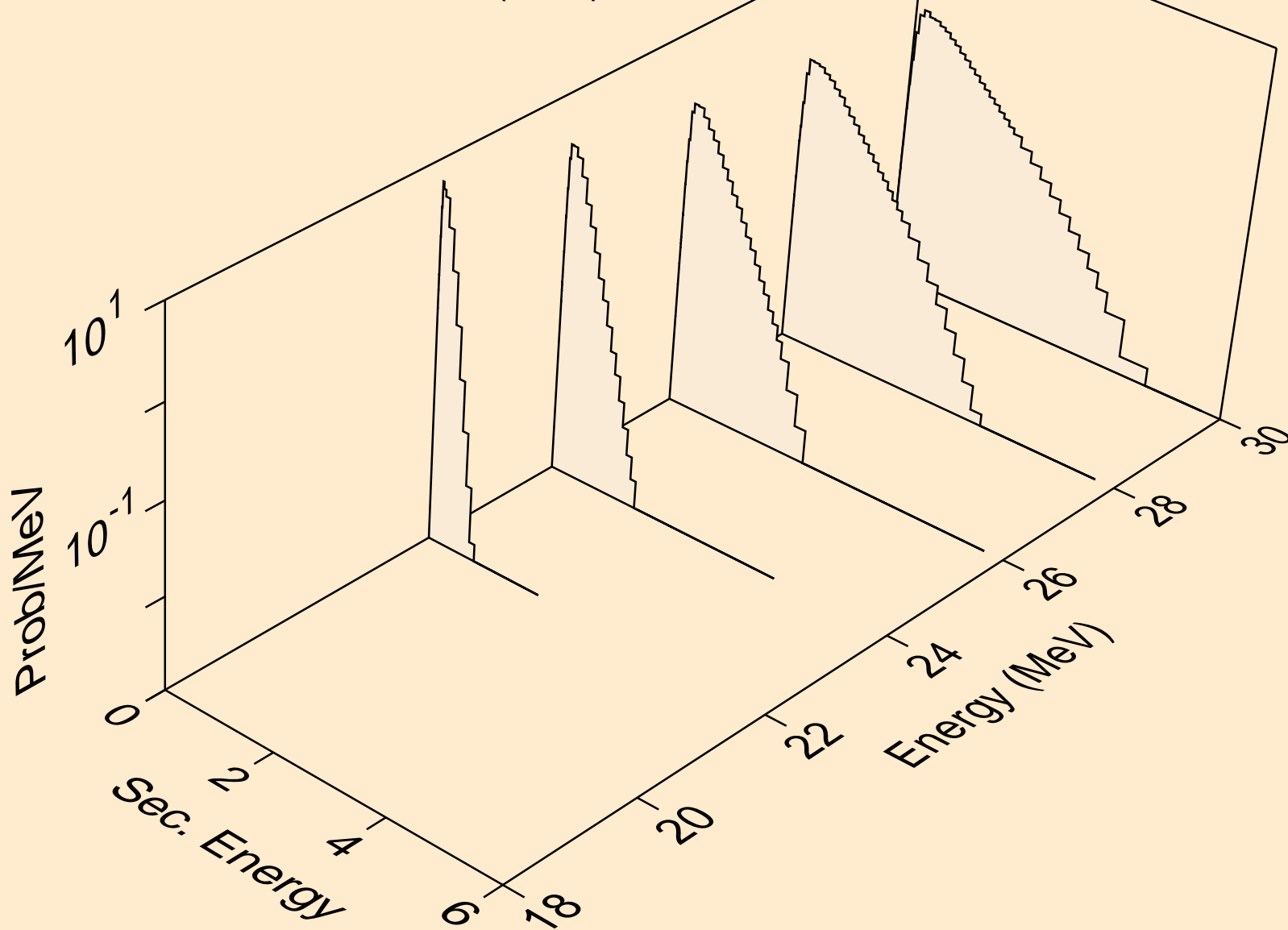
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Neutron emission for (n,n\*)2a



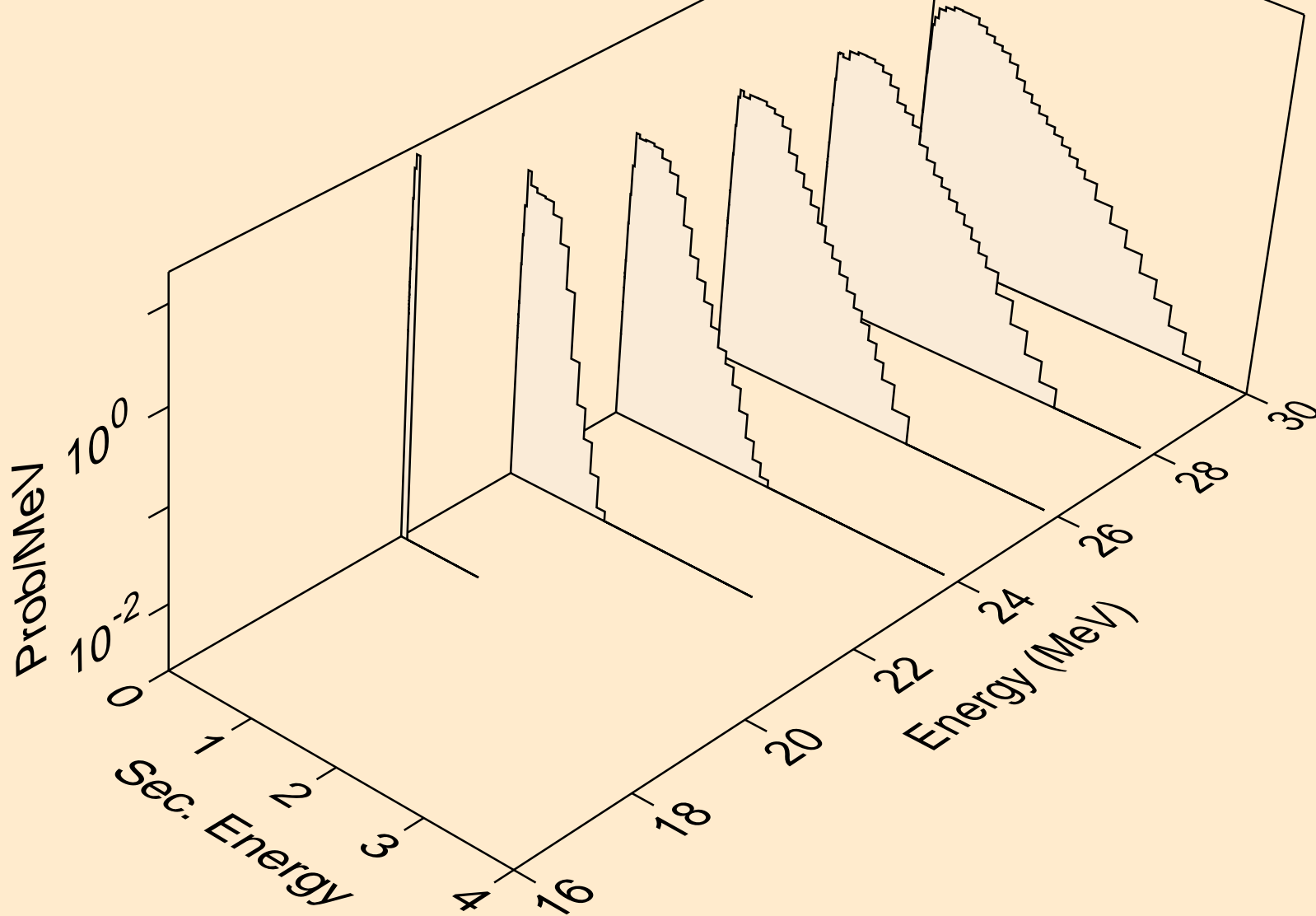
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)d



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)t

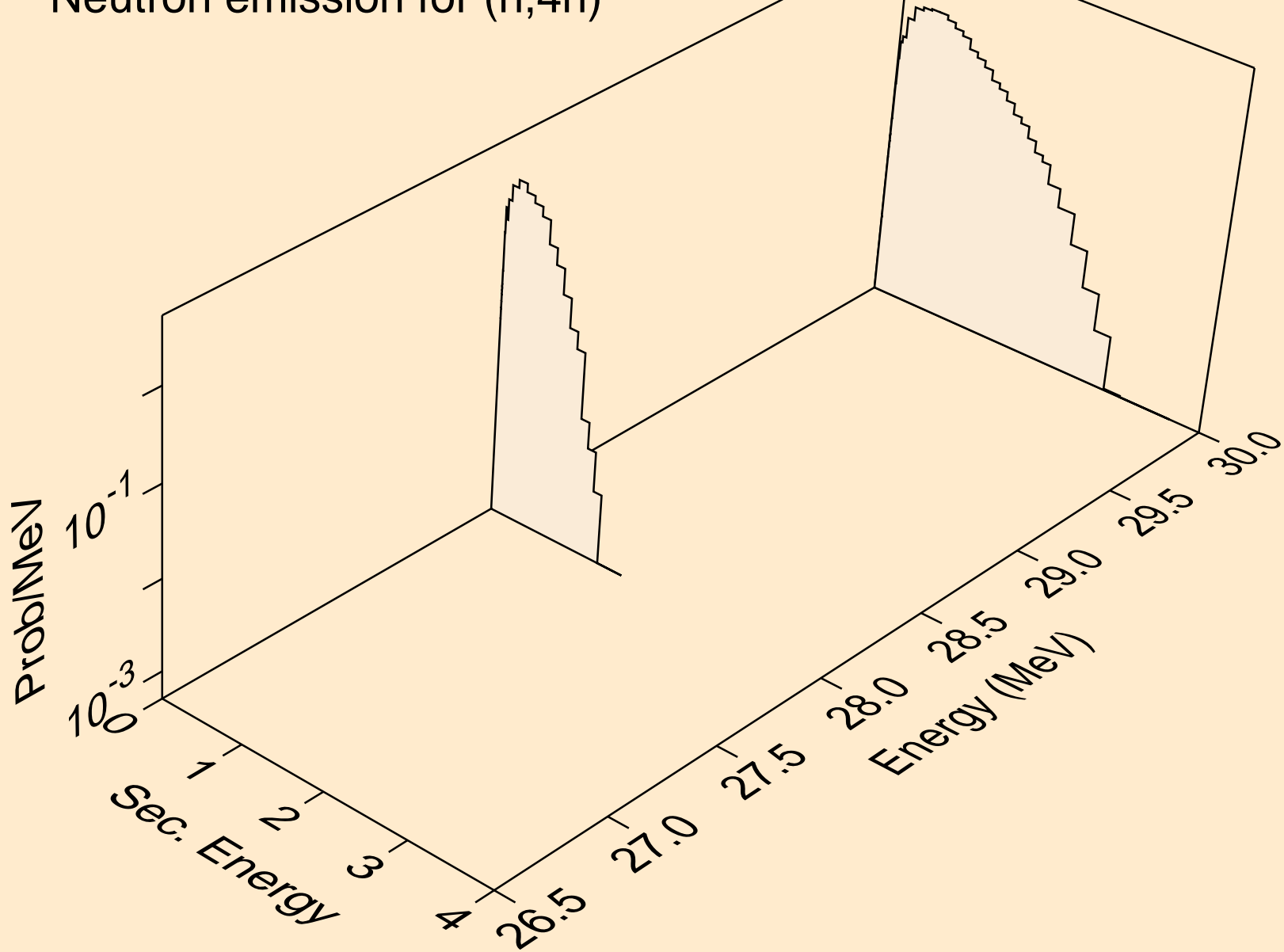


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*)he3

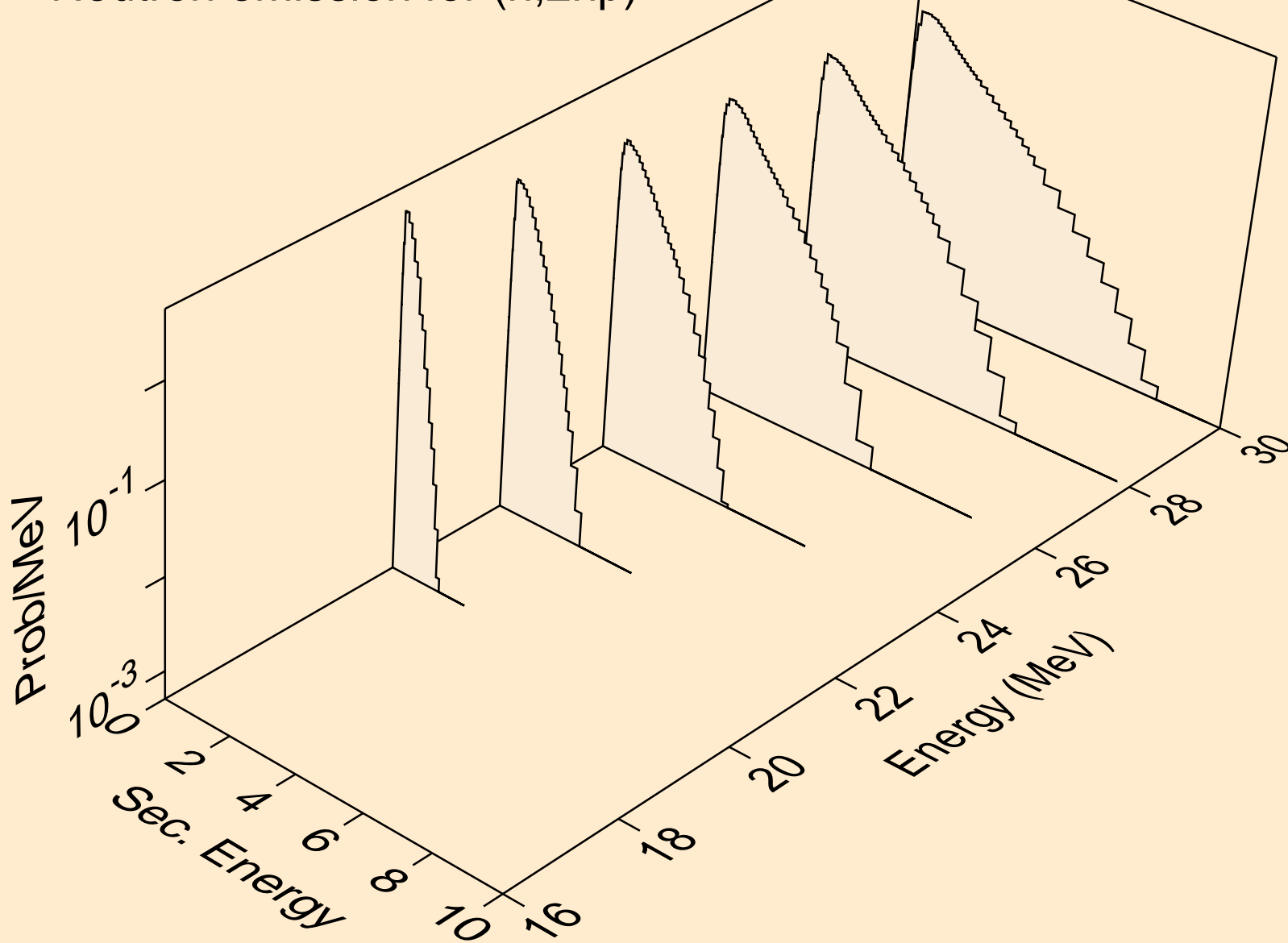




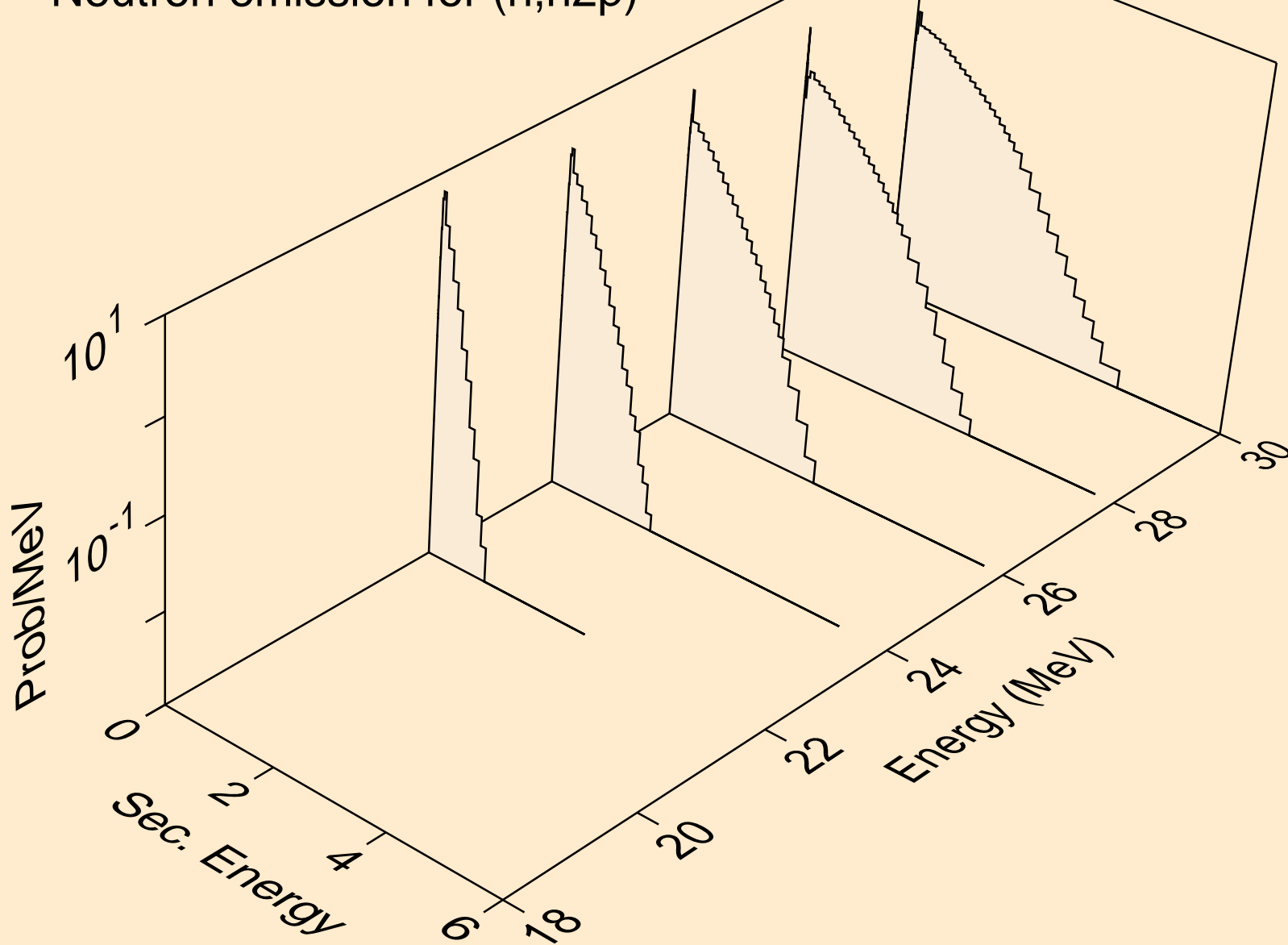
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Neutron emission for (n,4n)



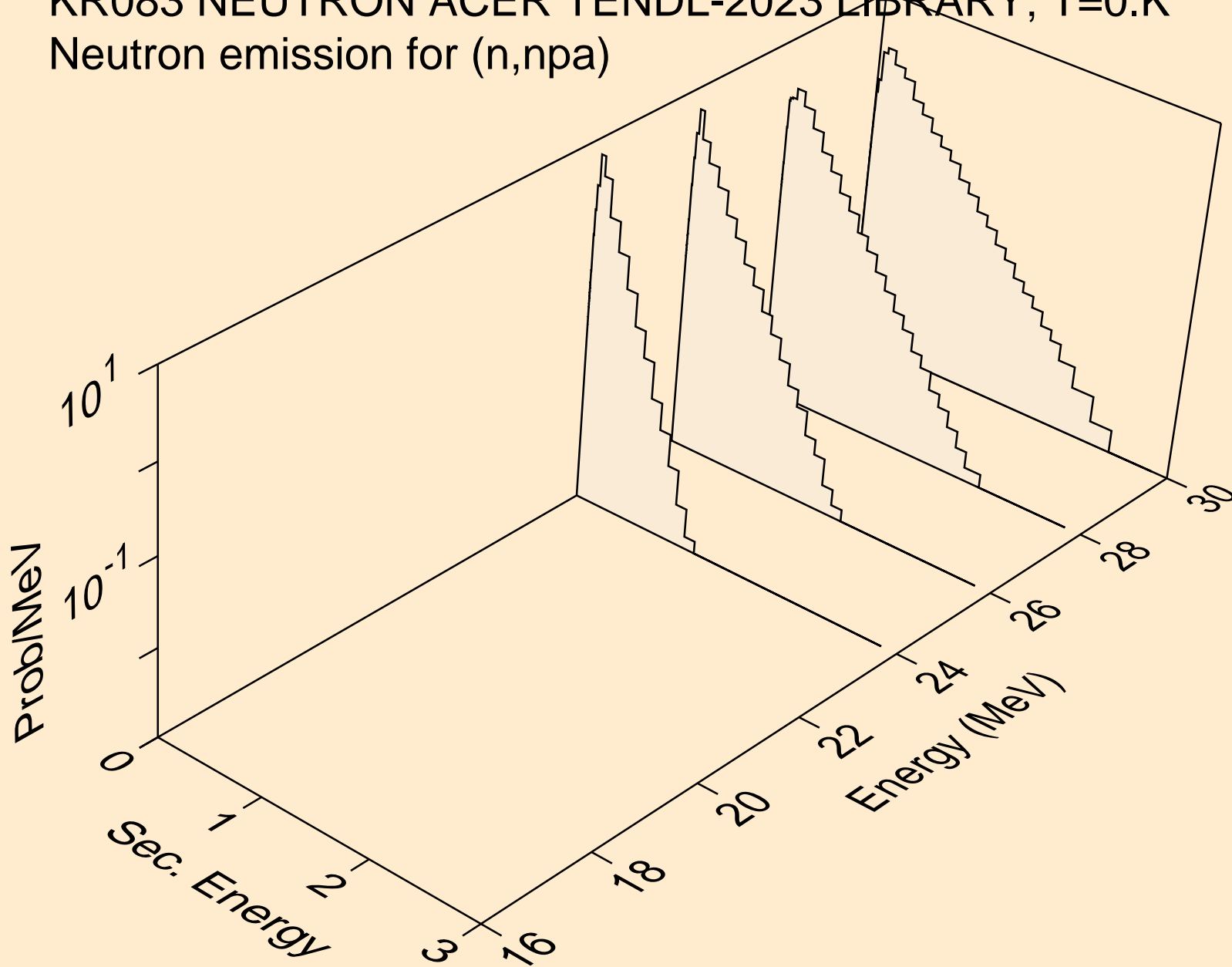
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Neutron emission for (n,2np)



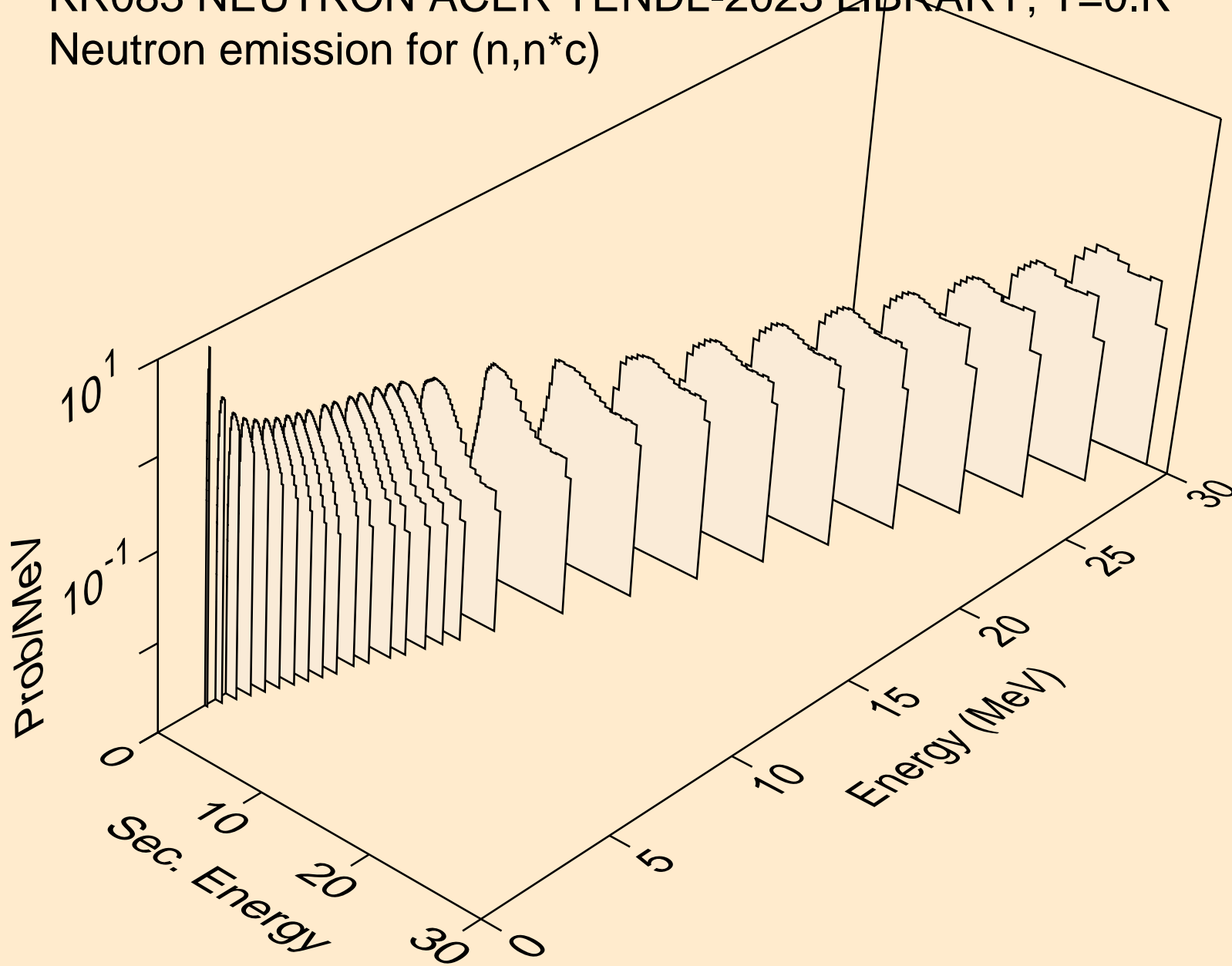
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n2p)



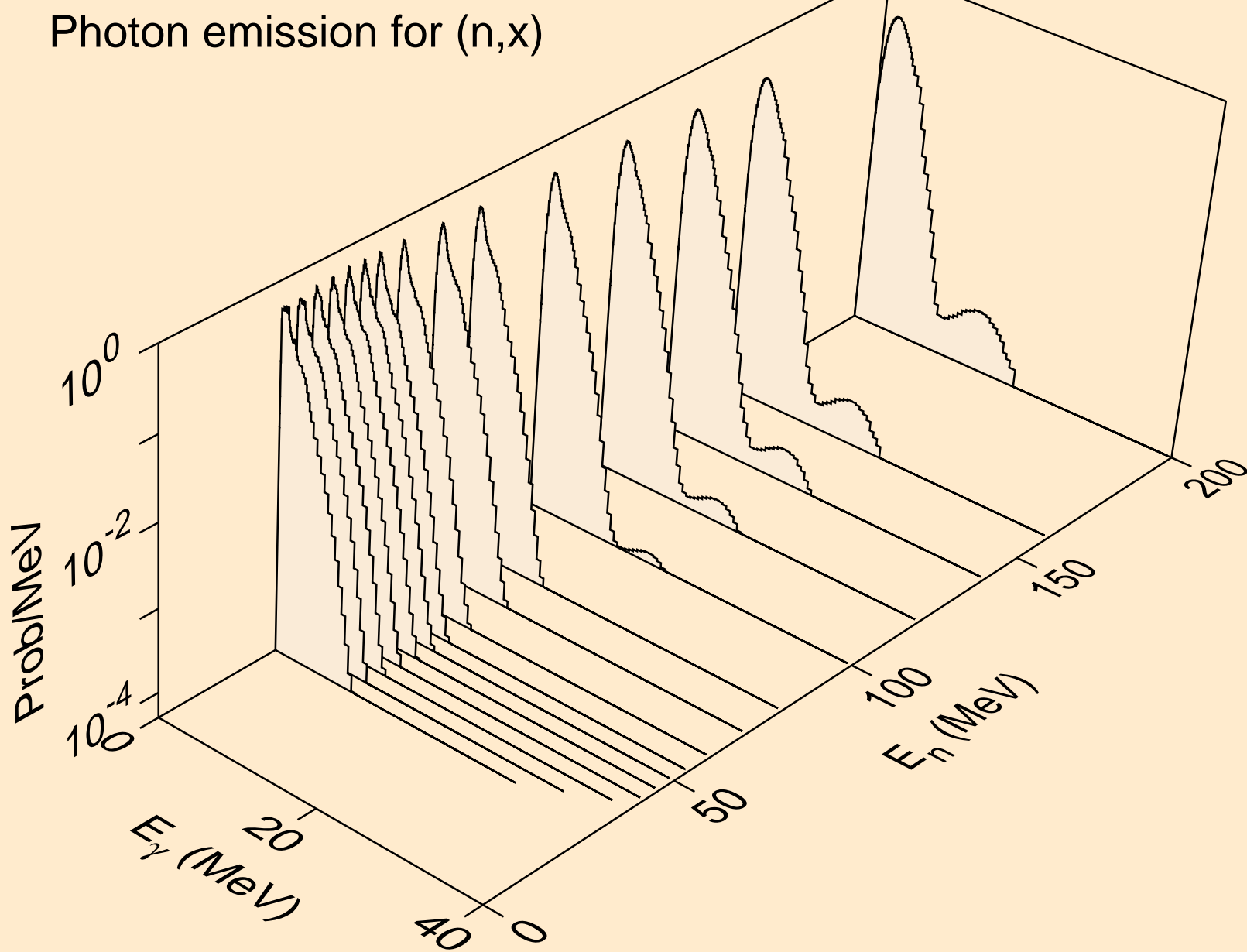
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Neutron emission for (n,npa)



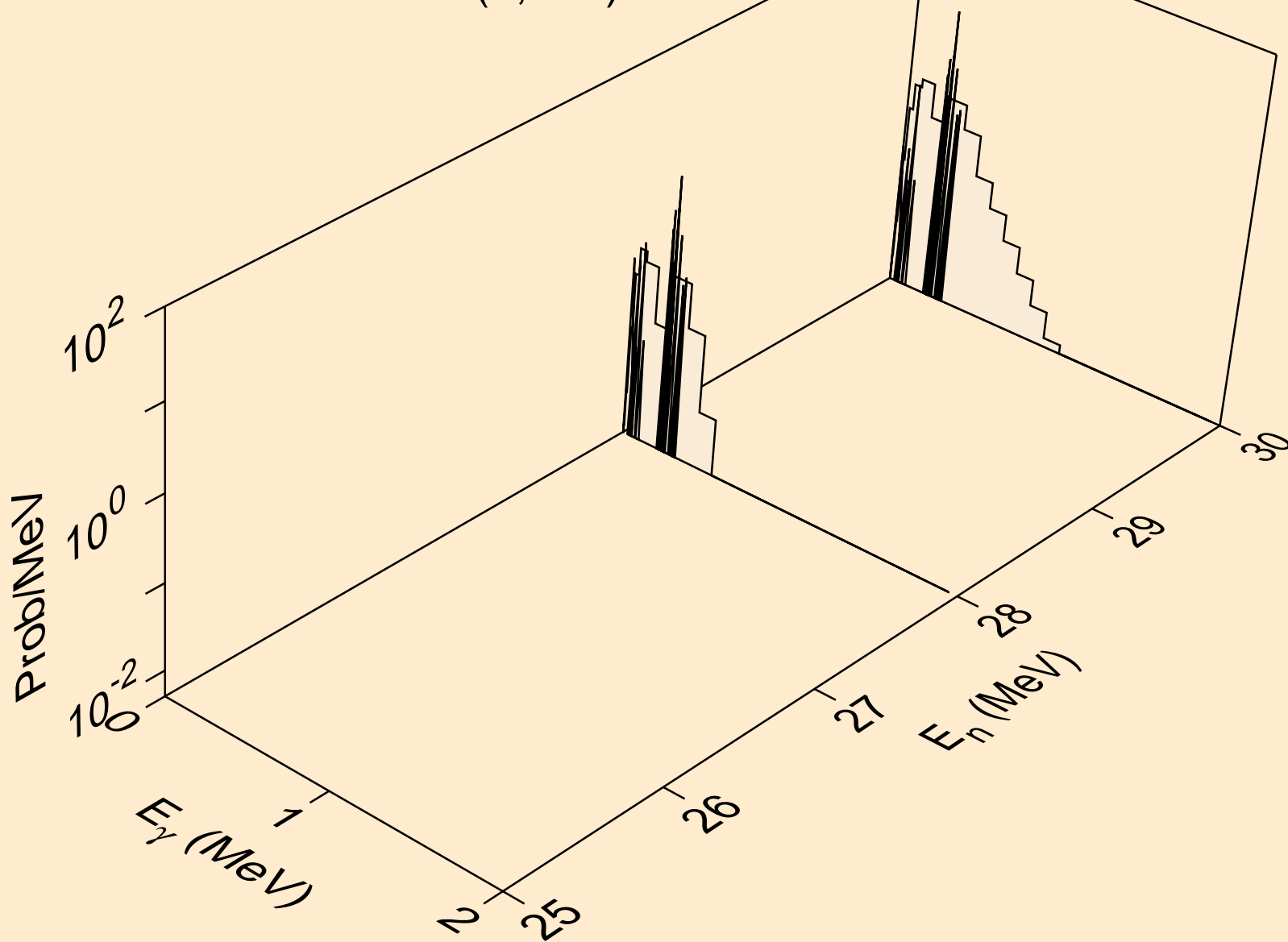
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Neutron emission for (n,n\*c)



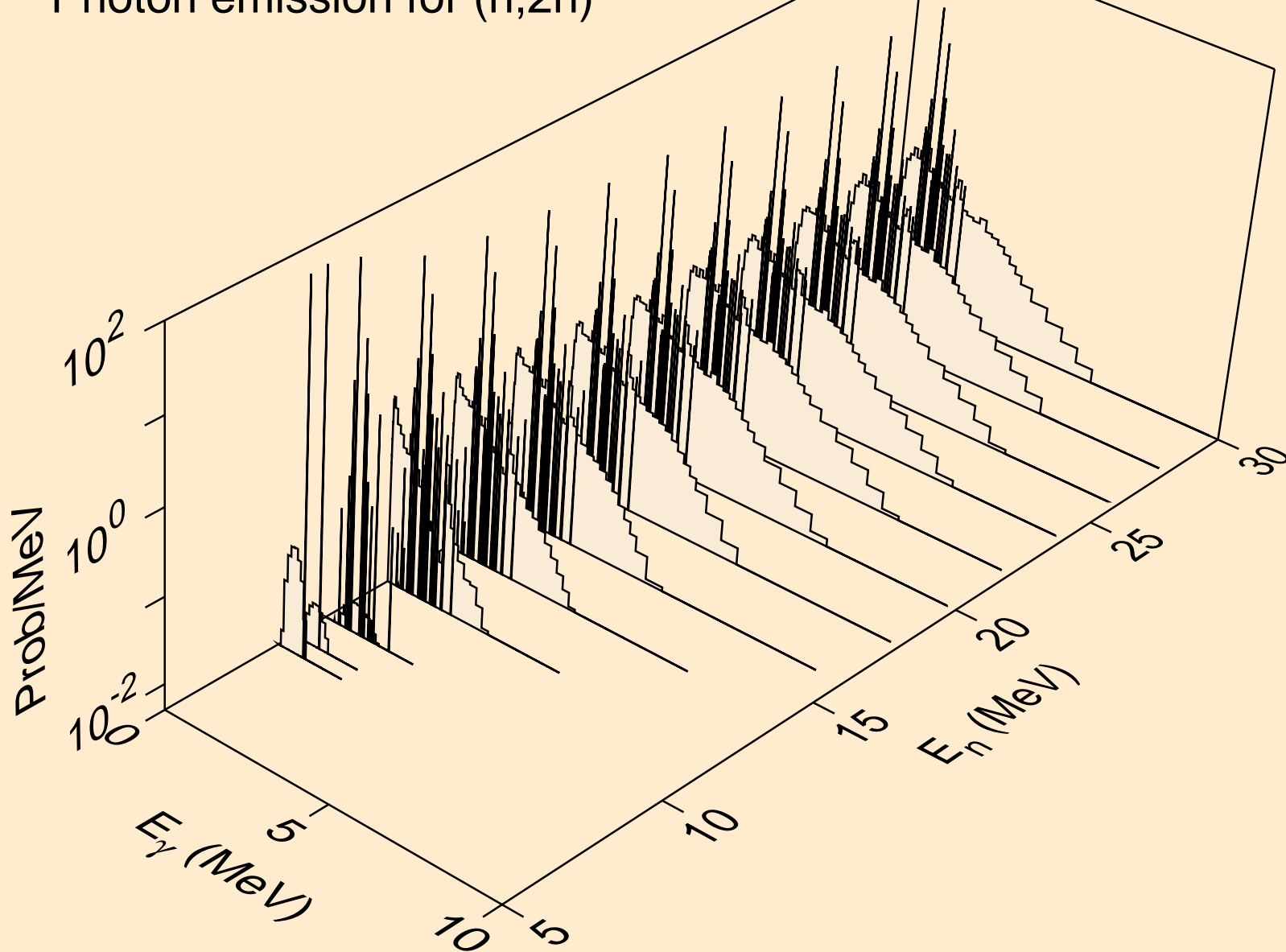
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,x)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2nd)

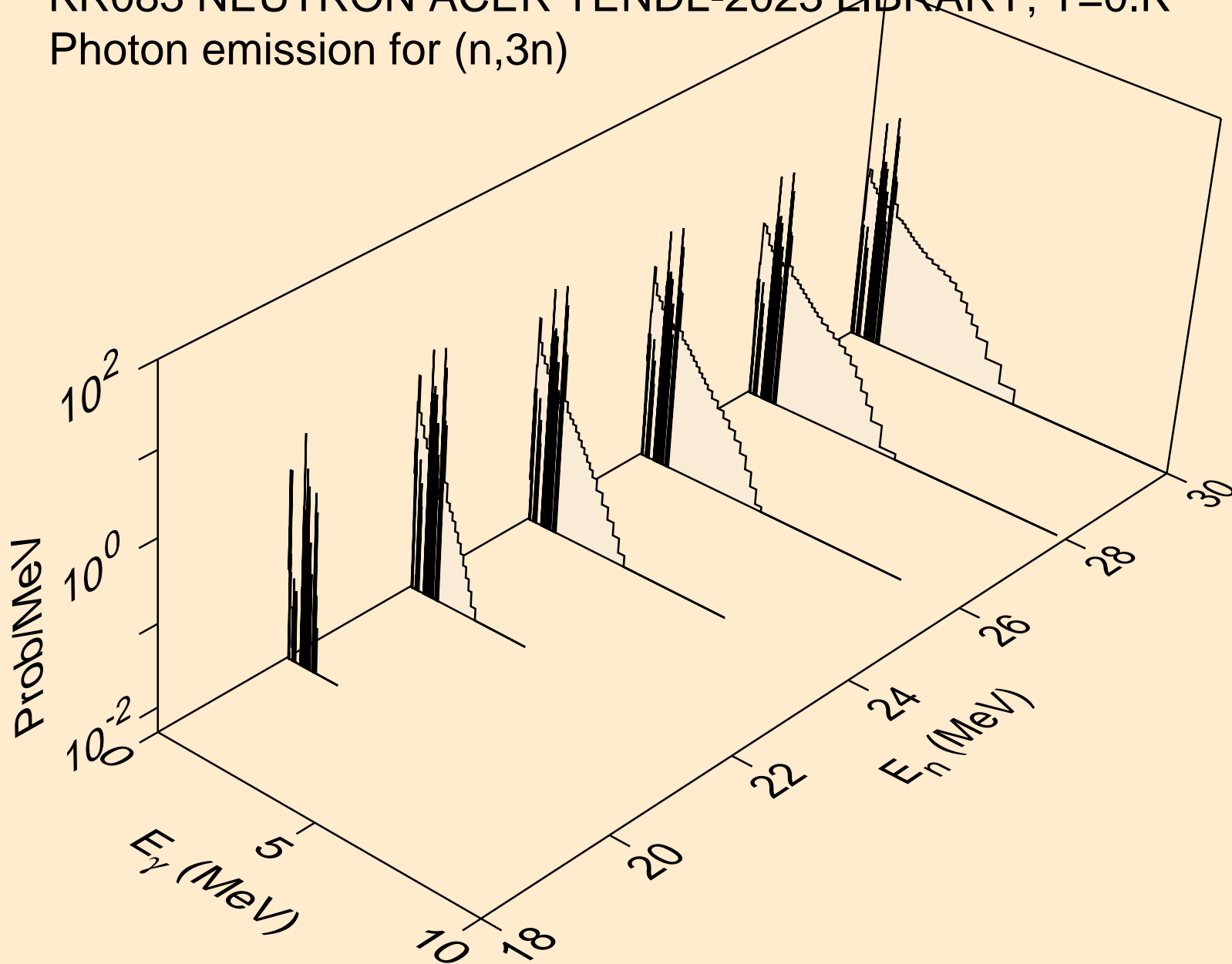


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)

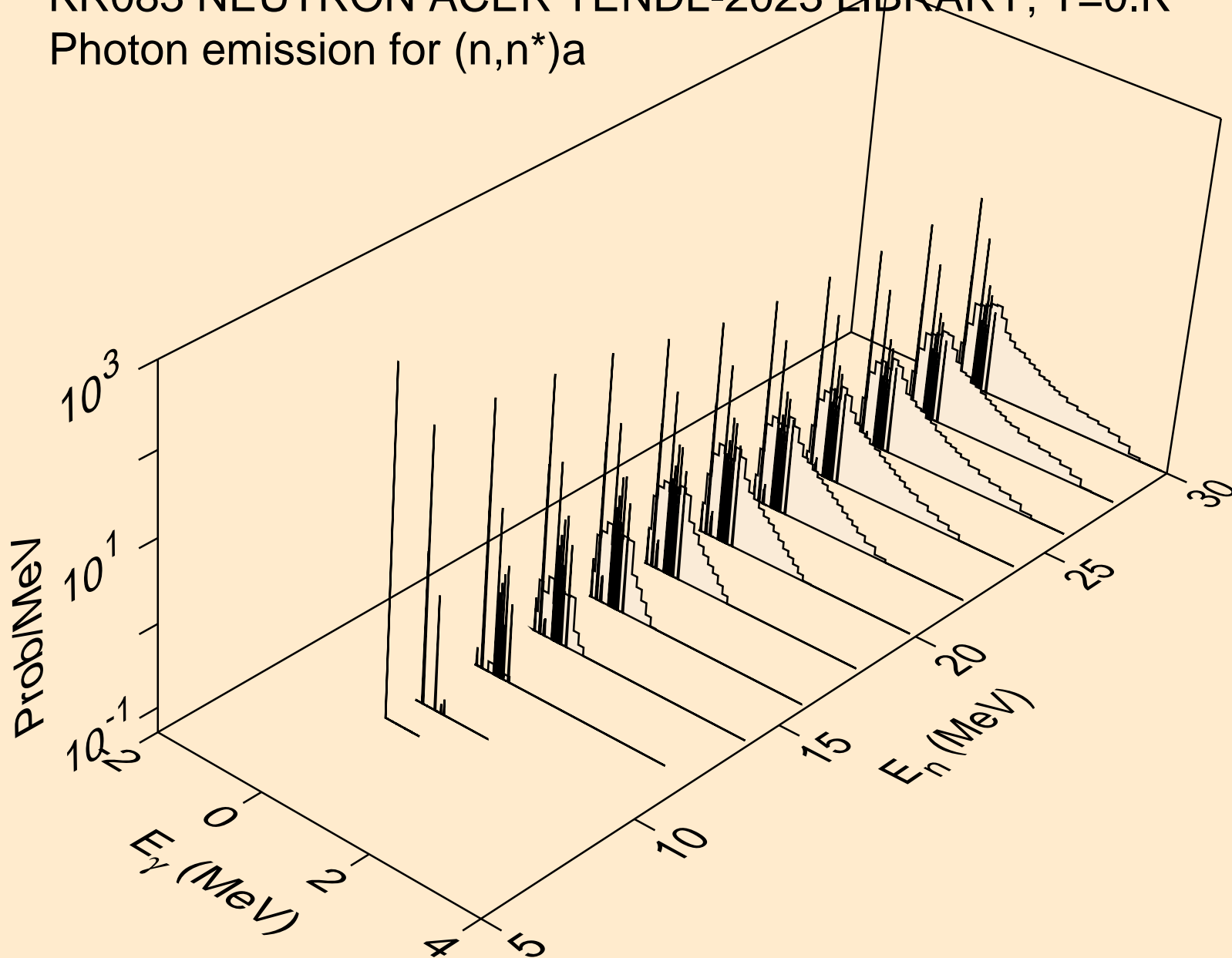




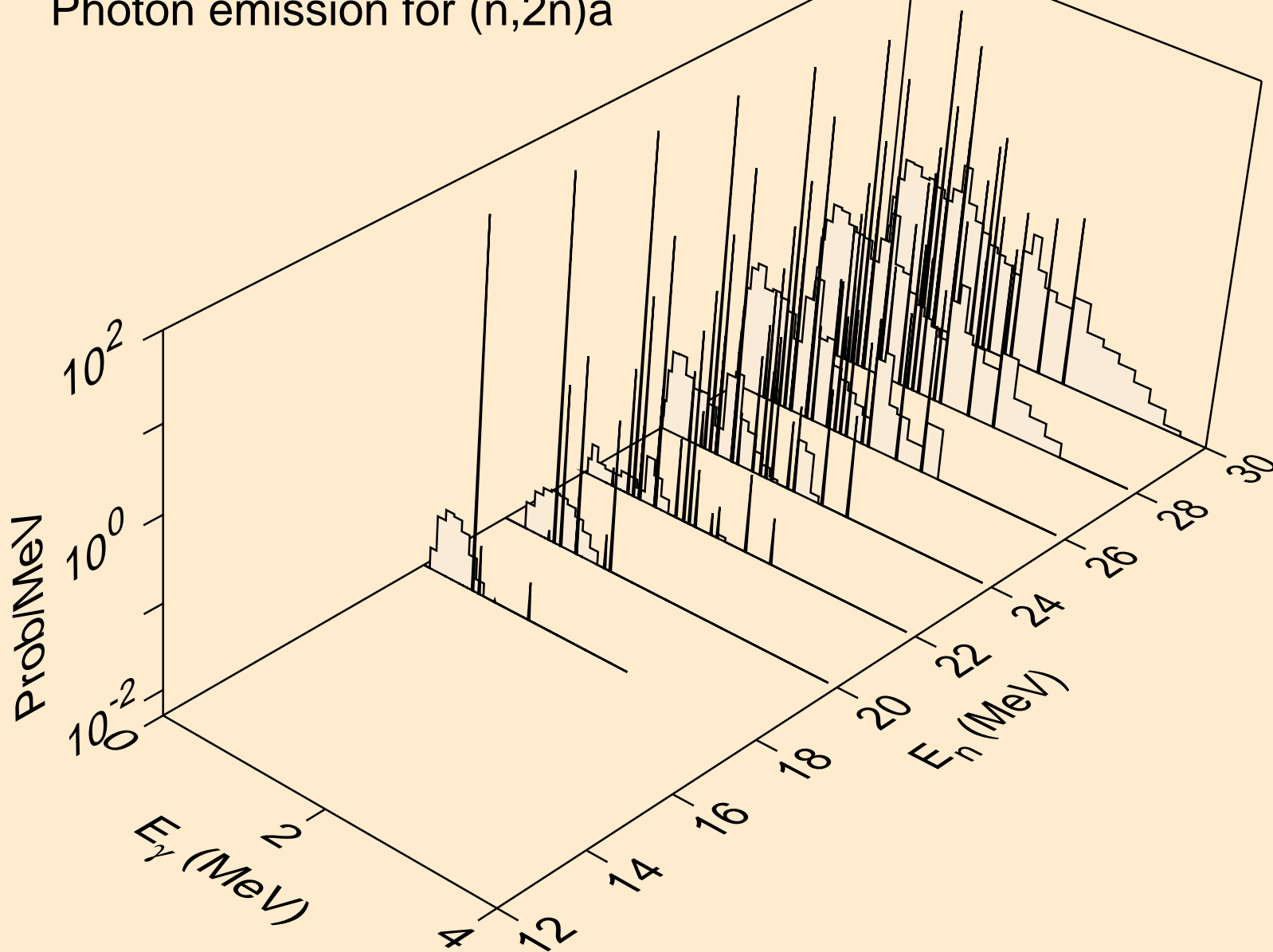
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,3n)



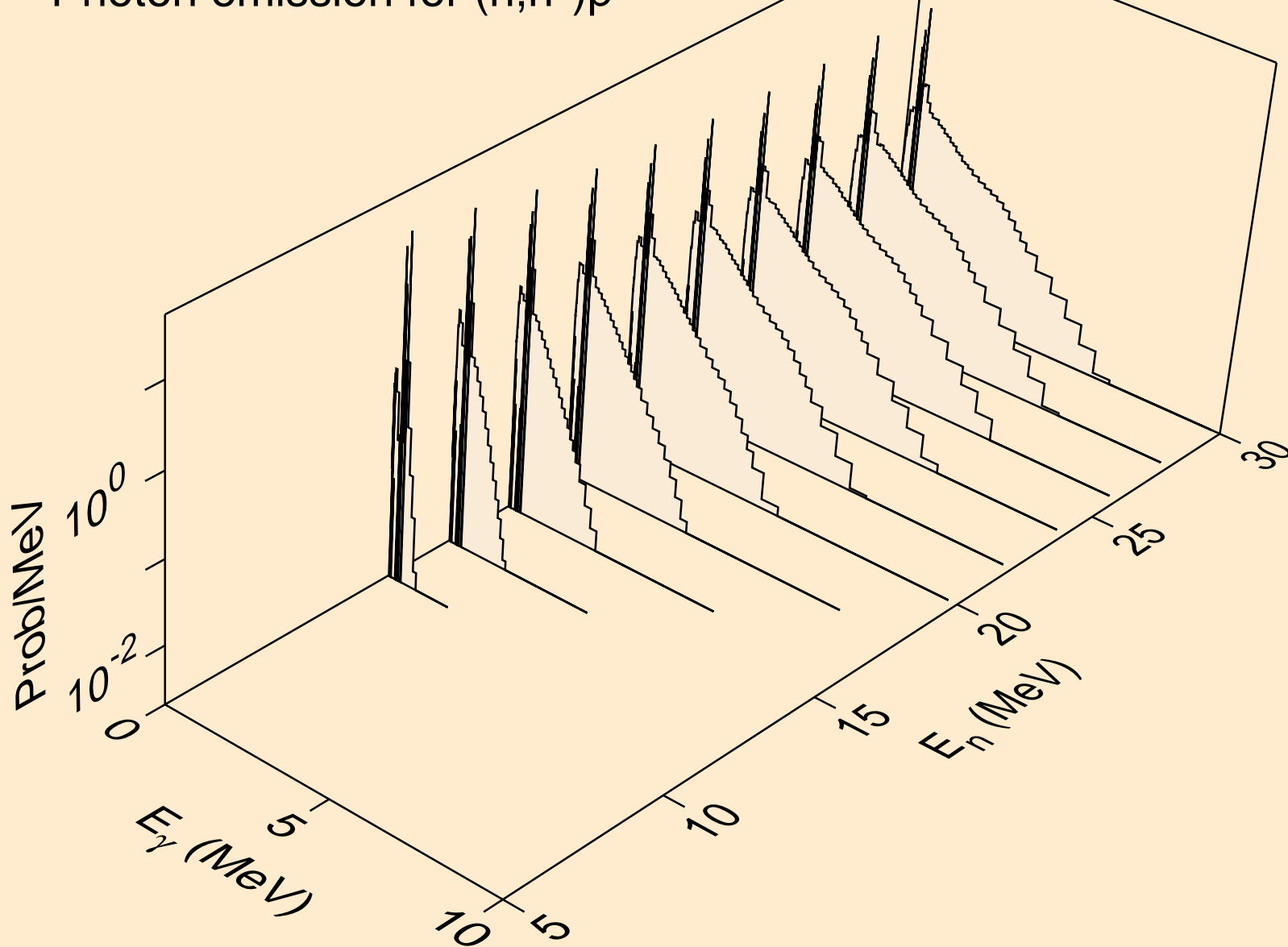
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)a



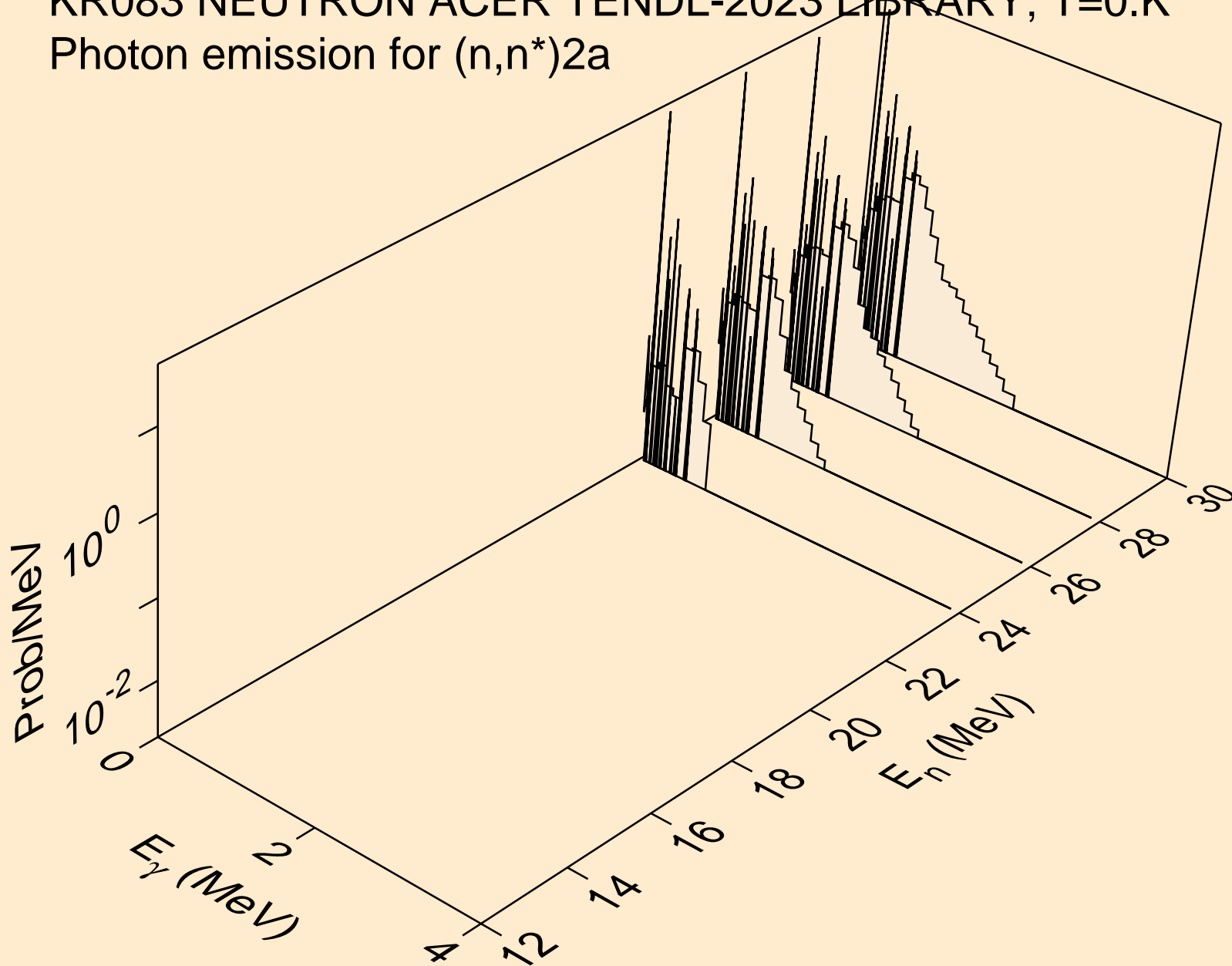
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2n)a



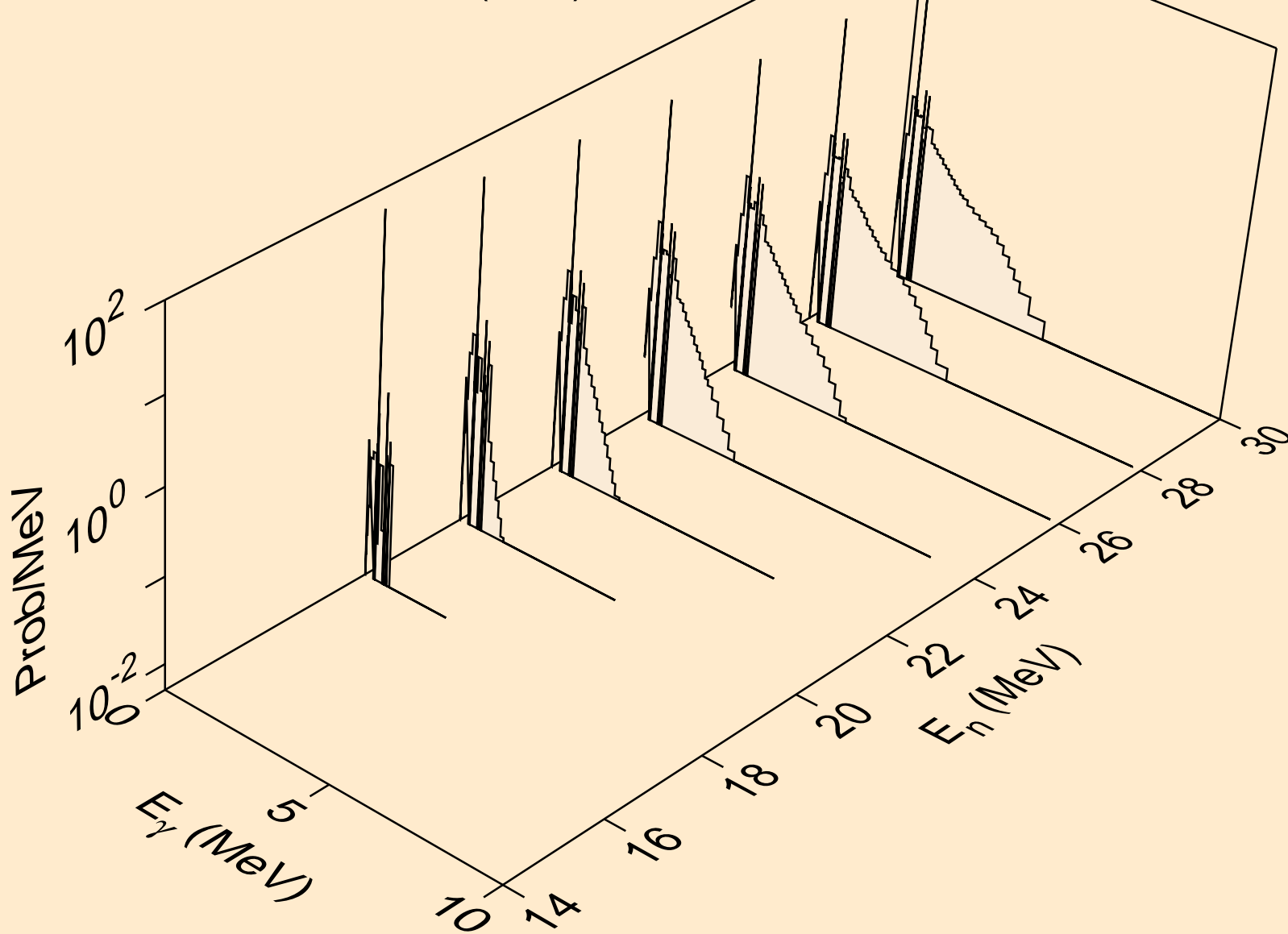
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)p



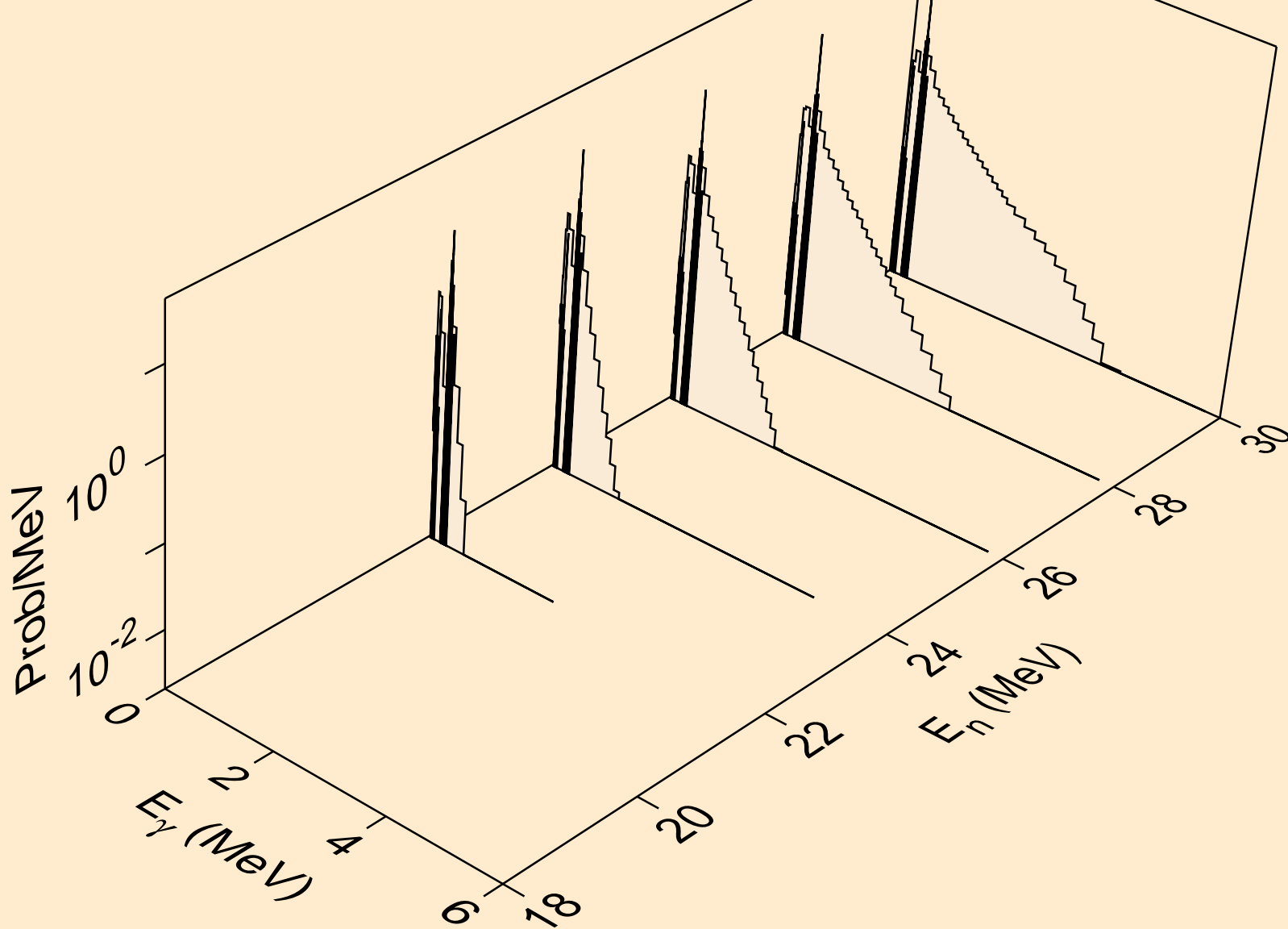
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Photon emission for (n,n\*)2a



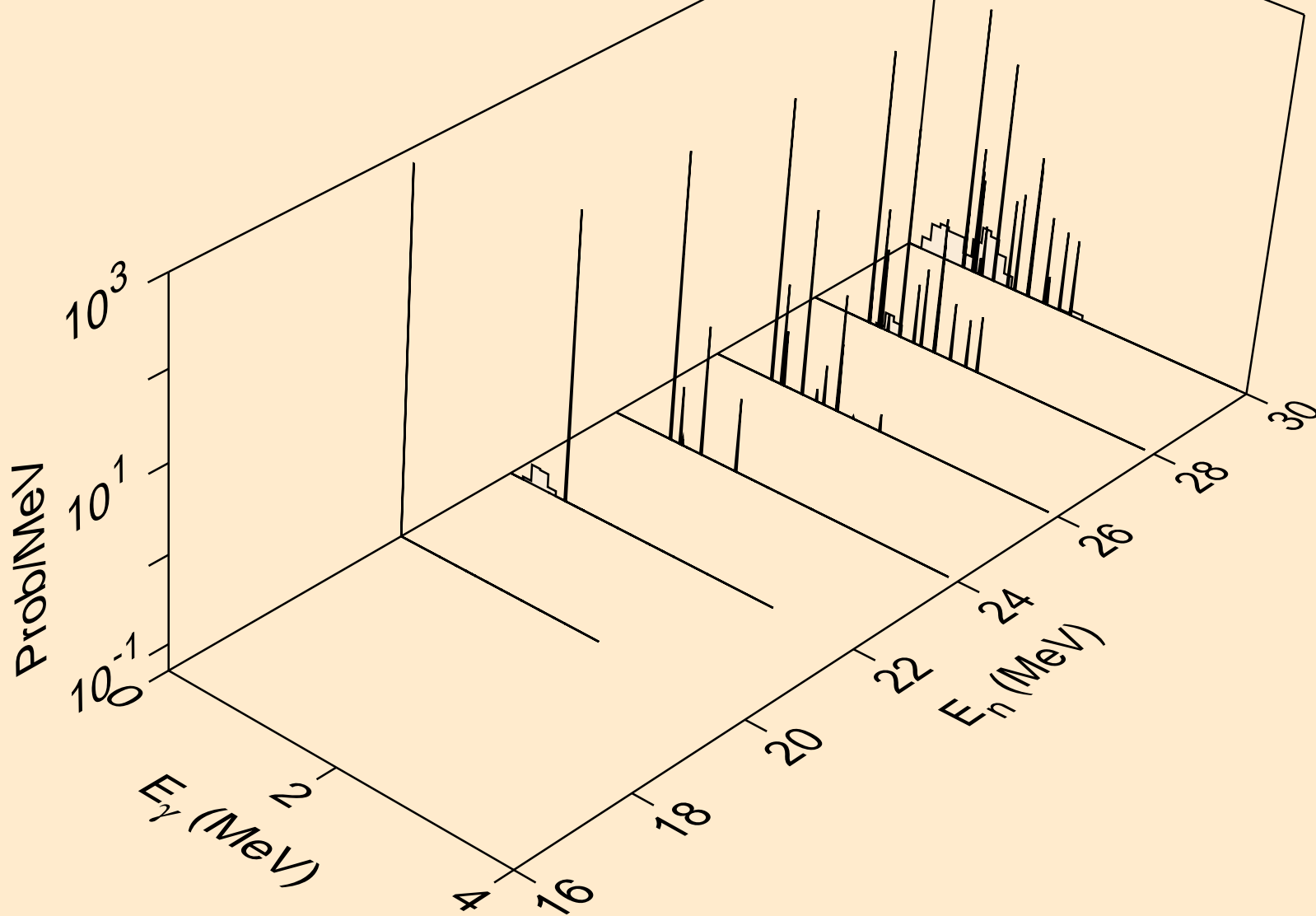
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)d



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)t

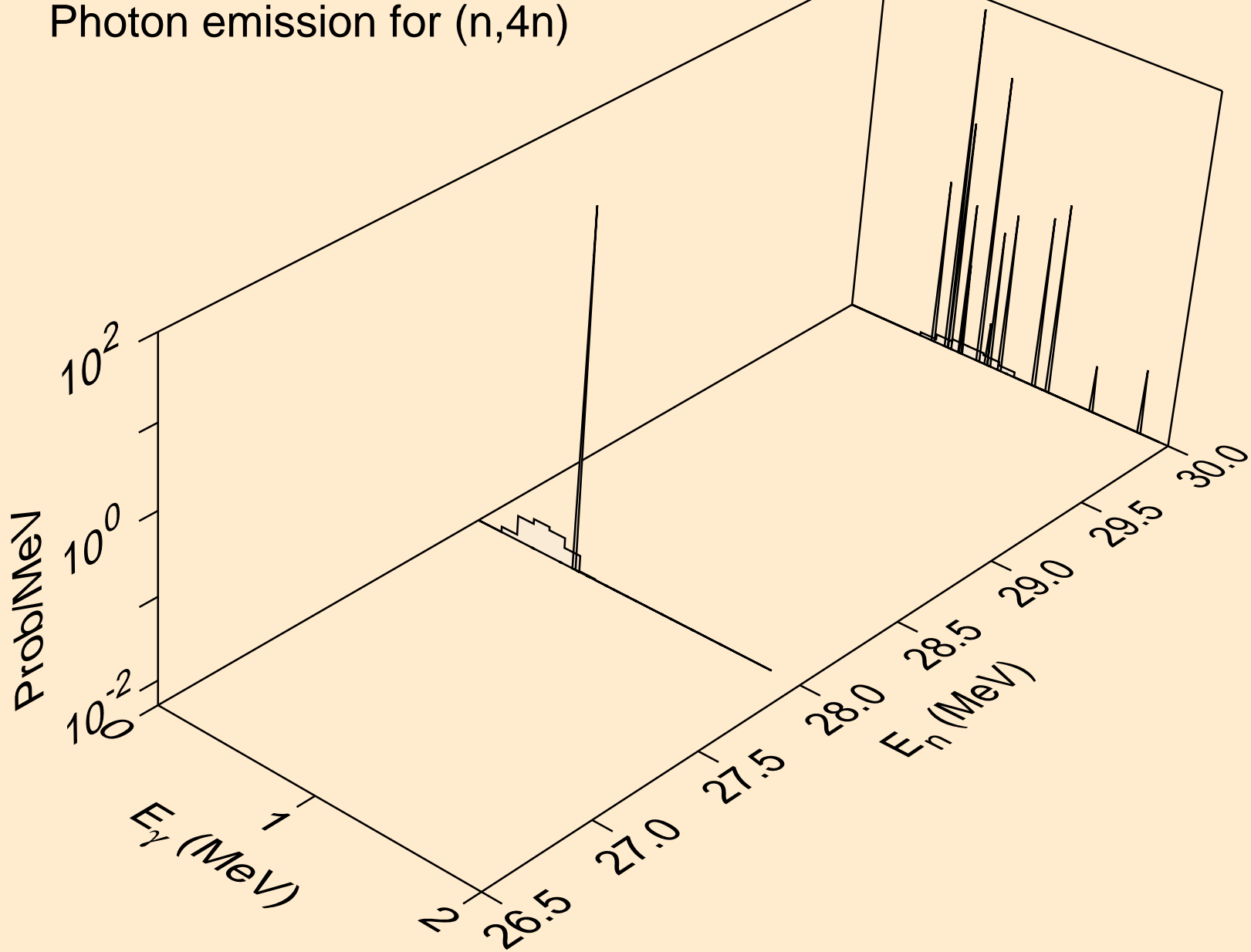


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,n\*)he3

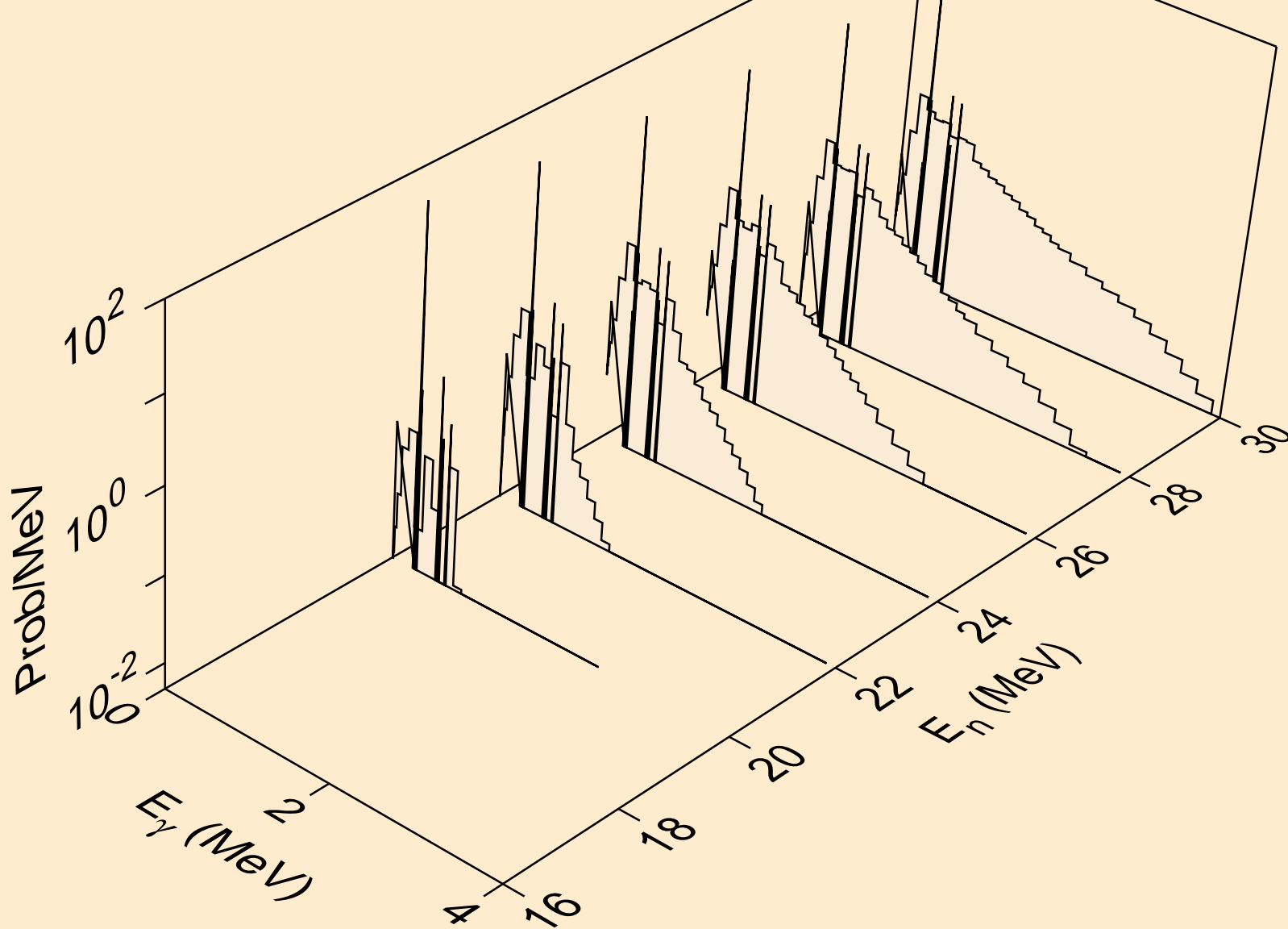




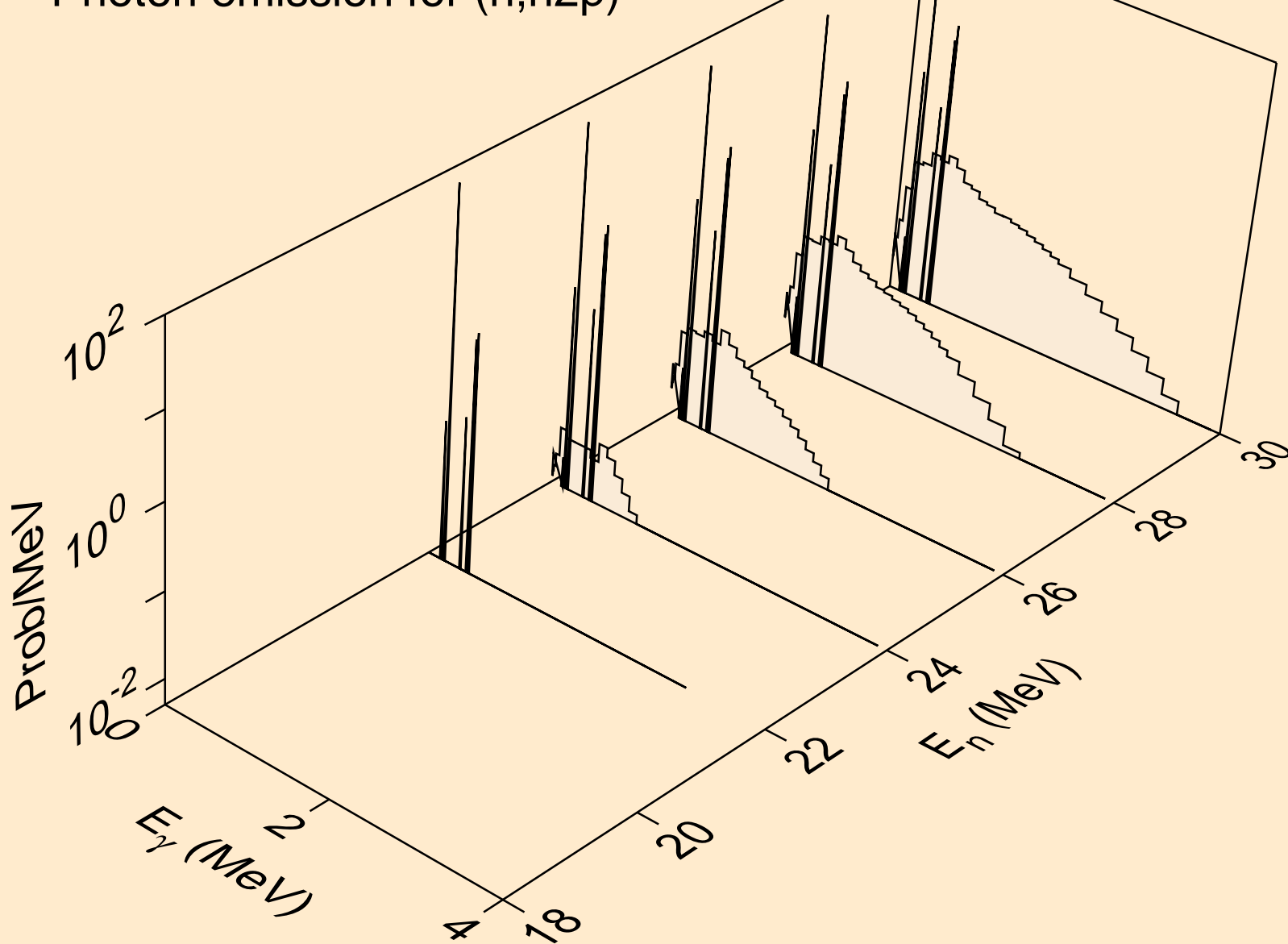
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Photon emission for (n,4n)



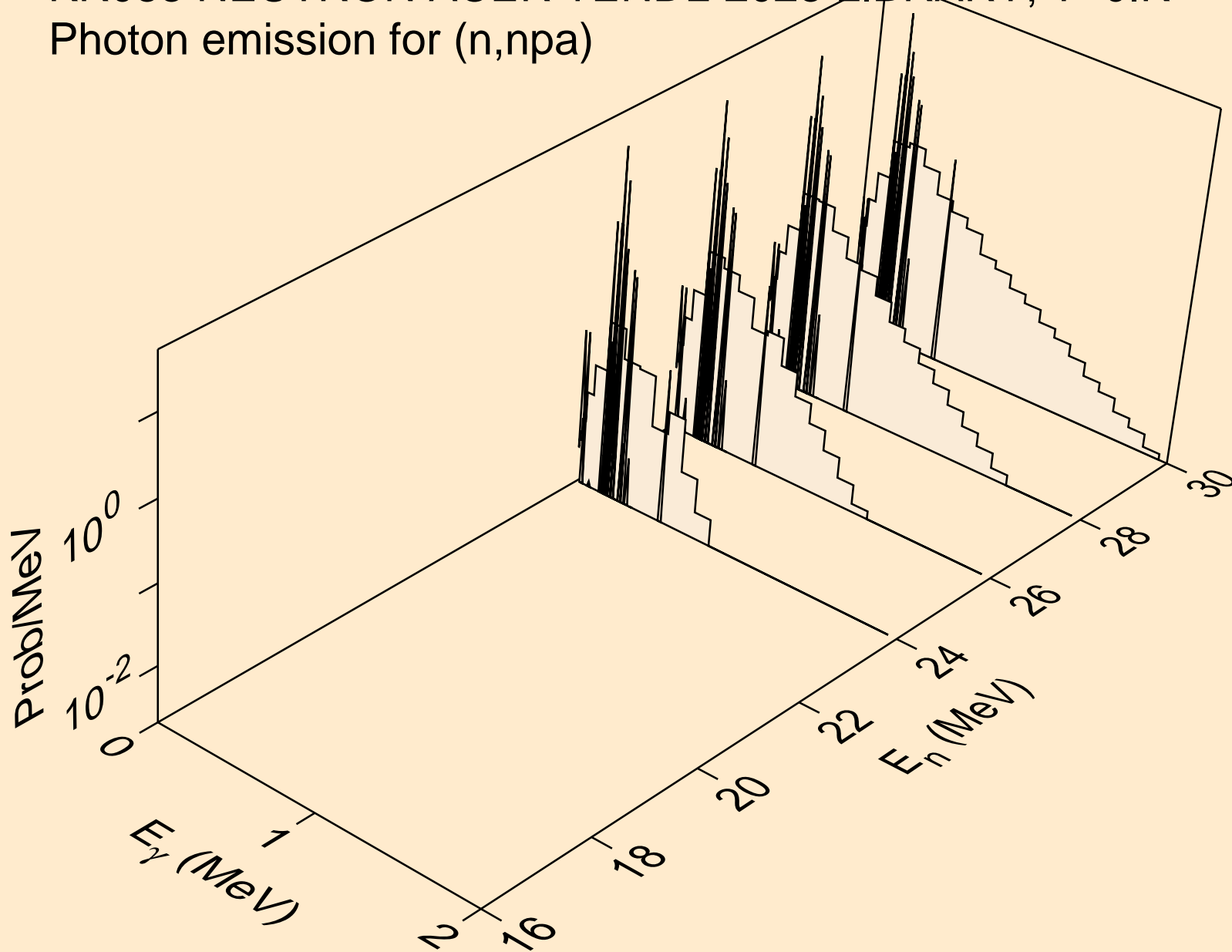
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,2np)



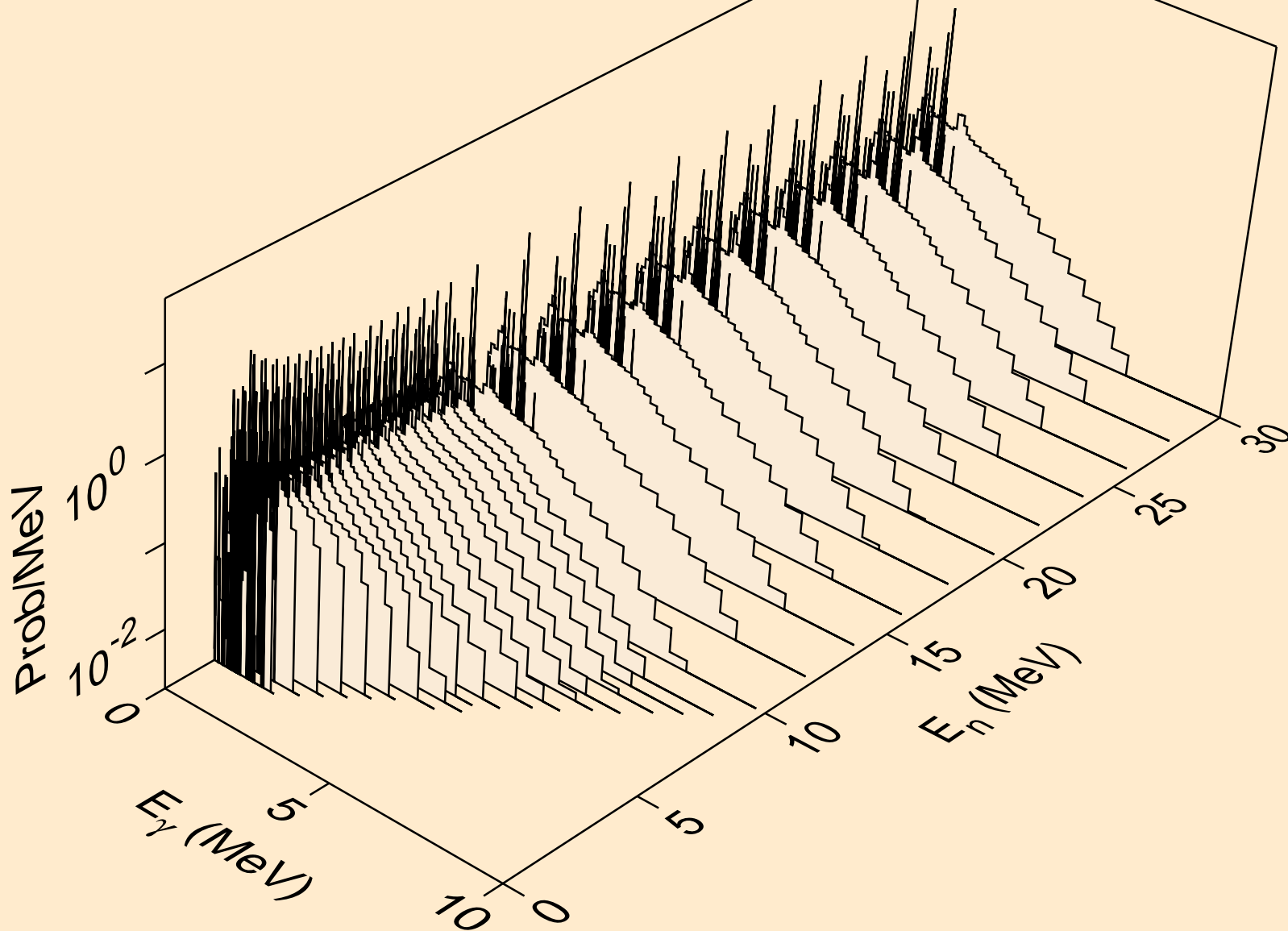
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Photon emission for (n,n2p)



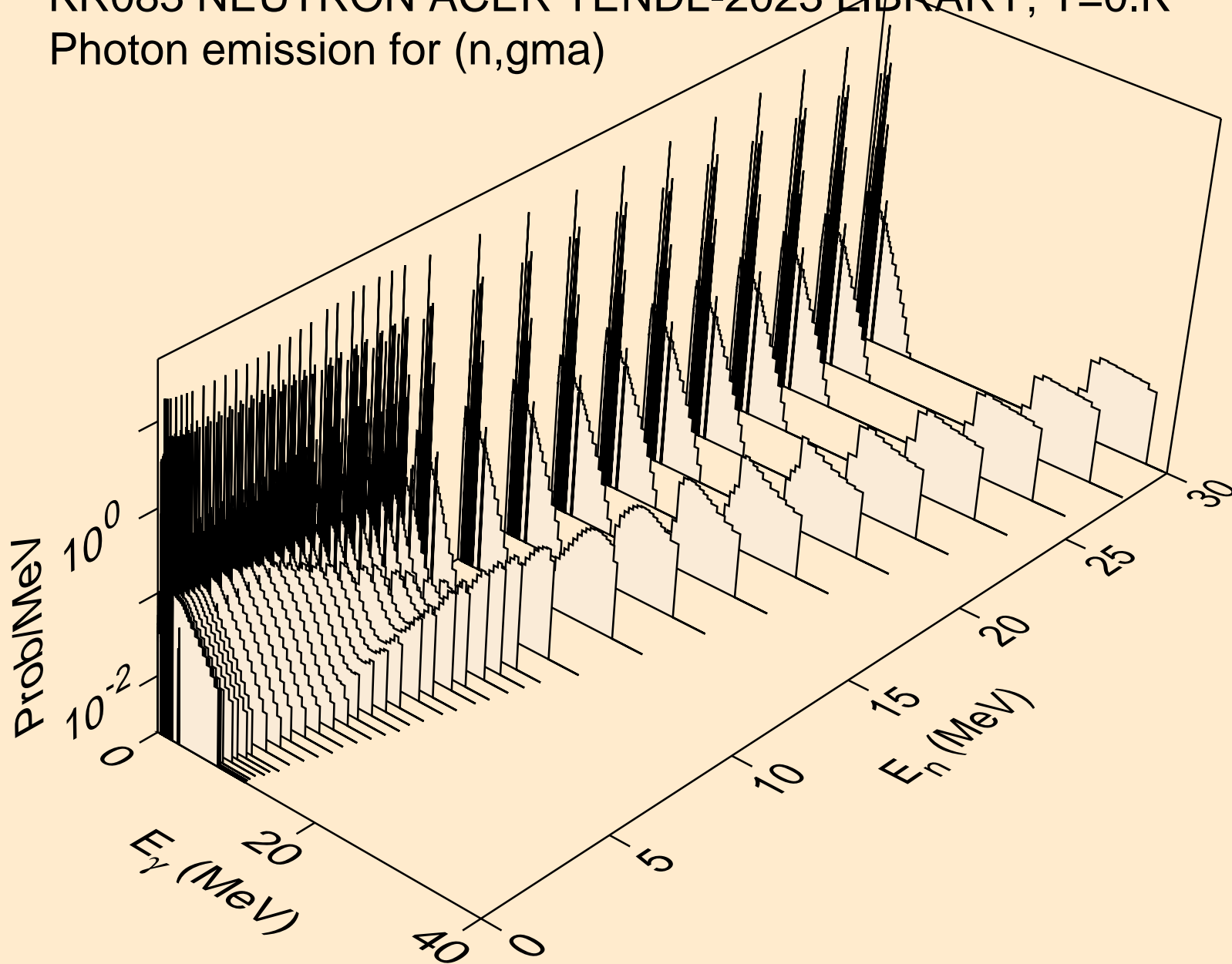
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,npa)



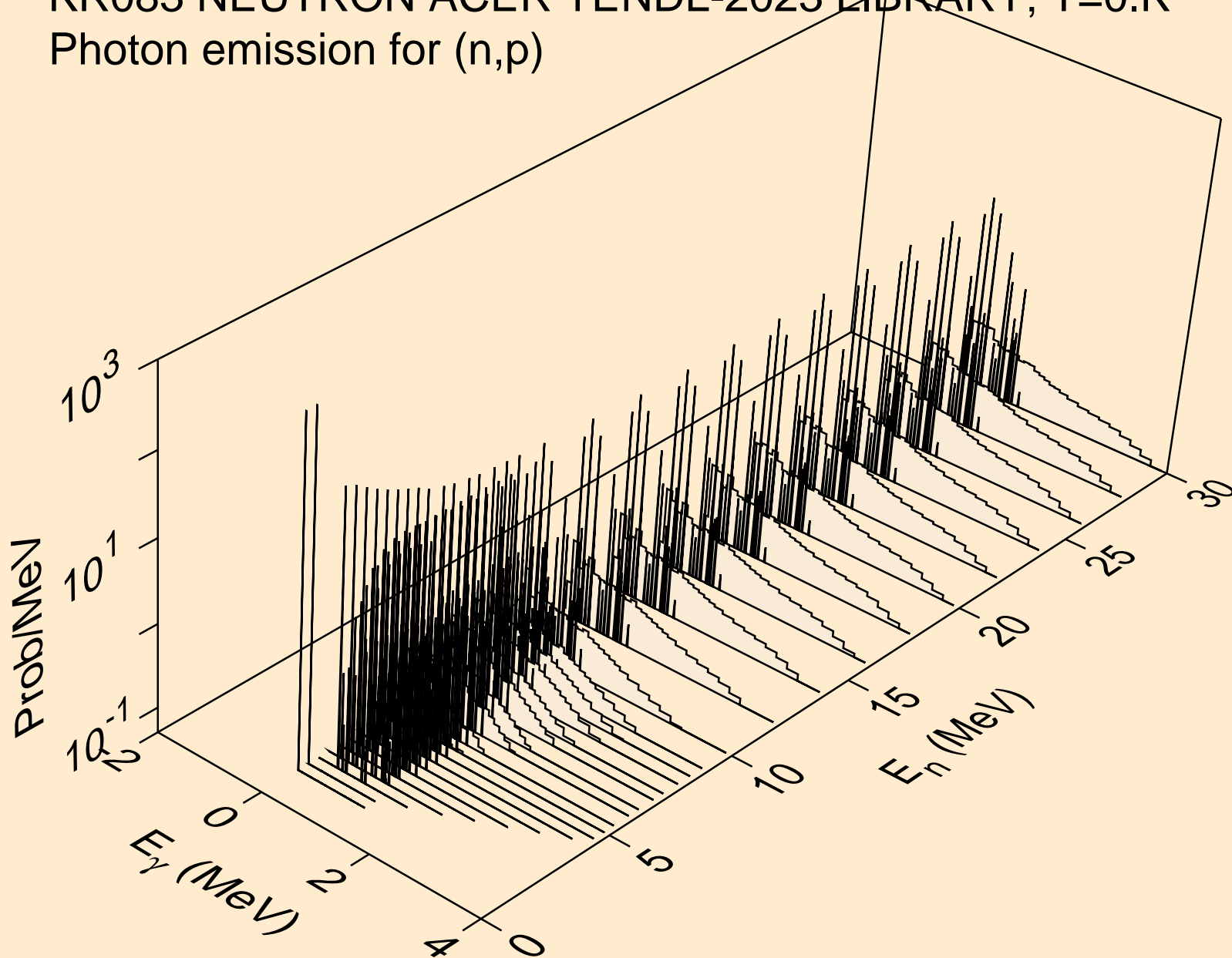
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Photon emission for (n,n\*c)



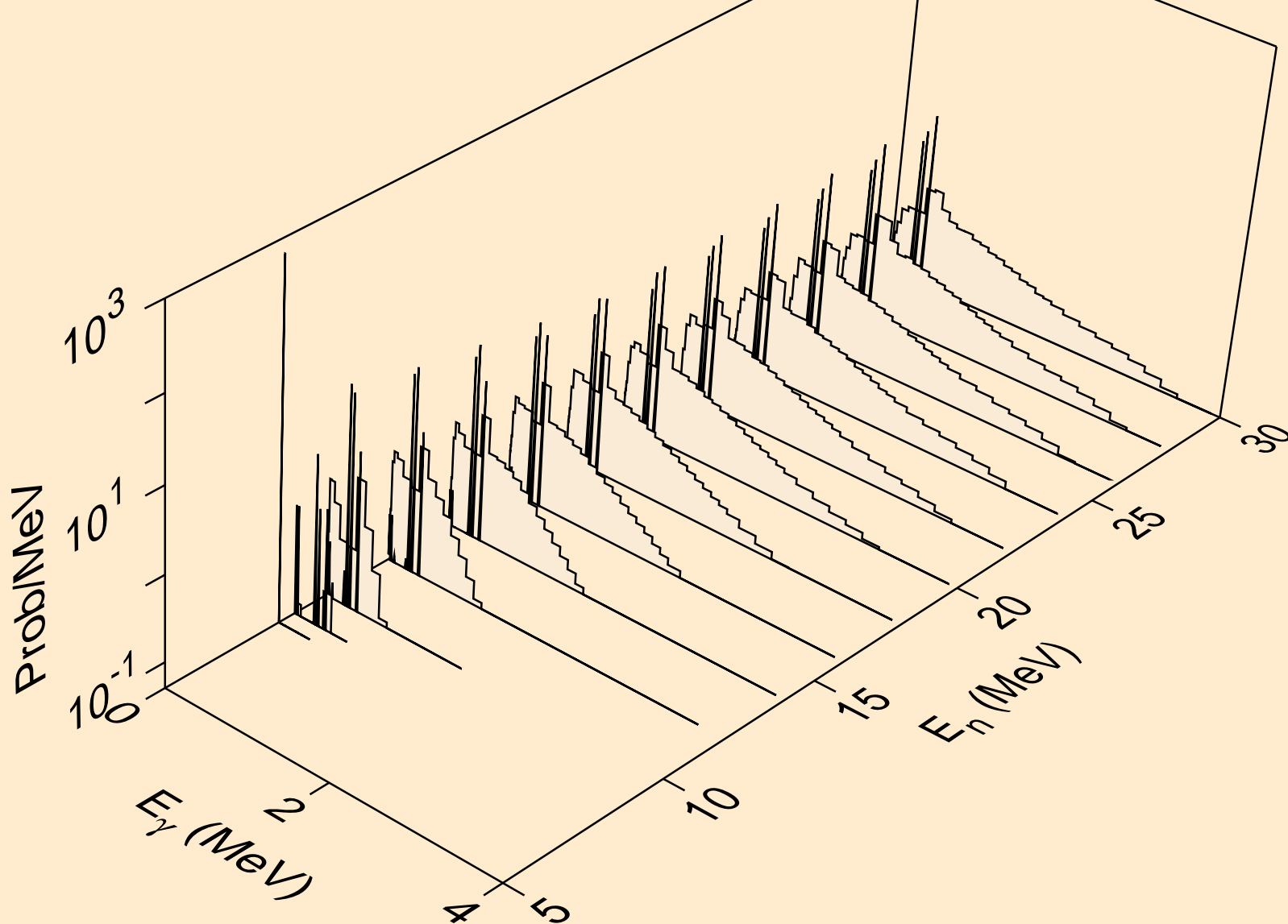
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,gma)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p)

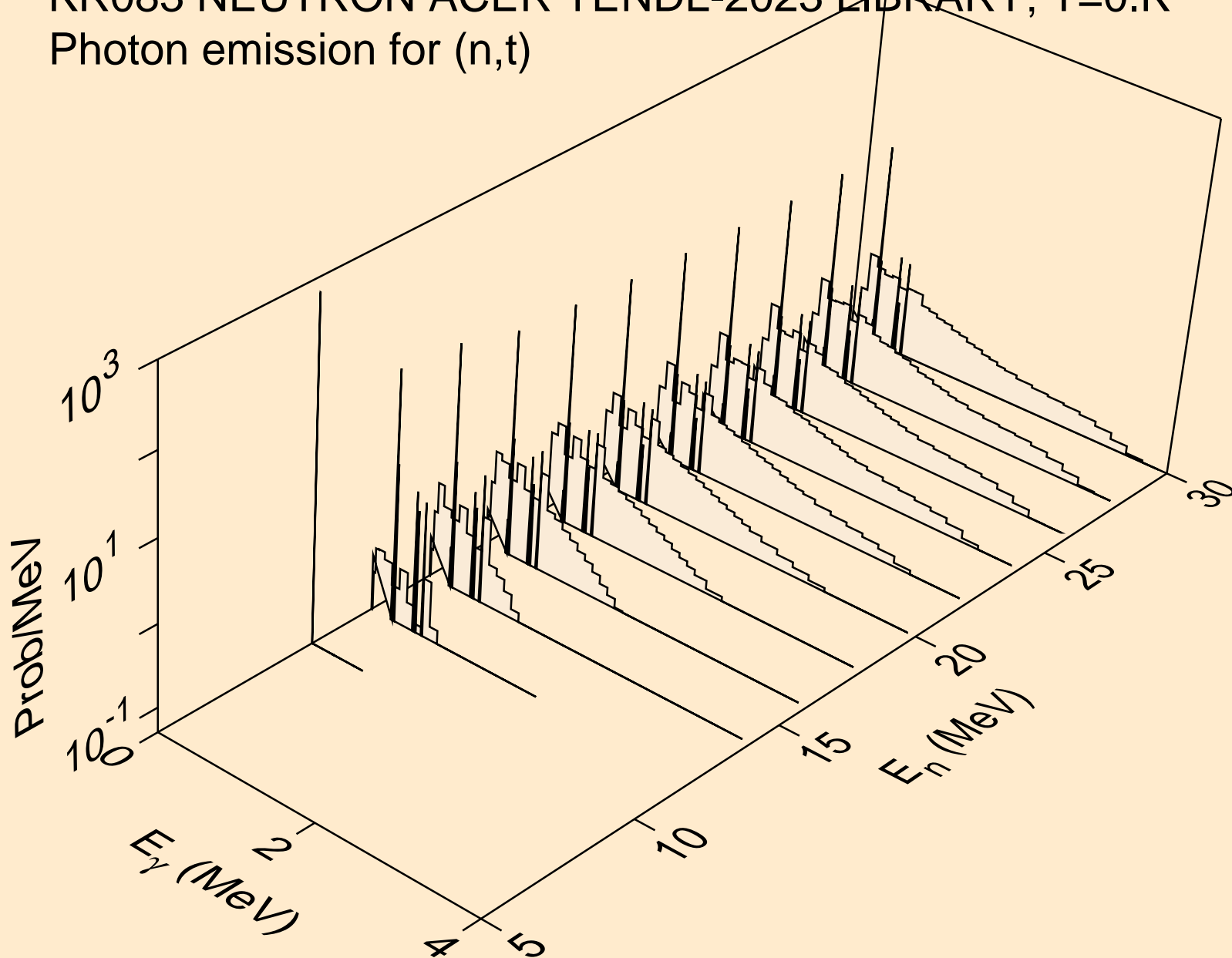


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,d)

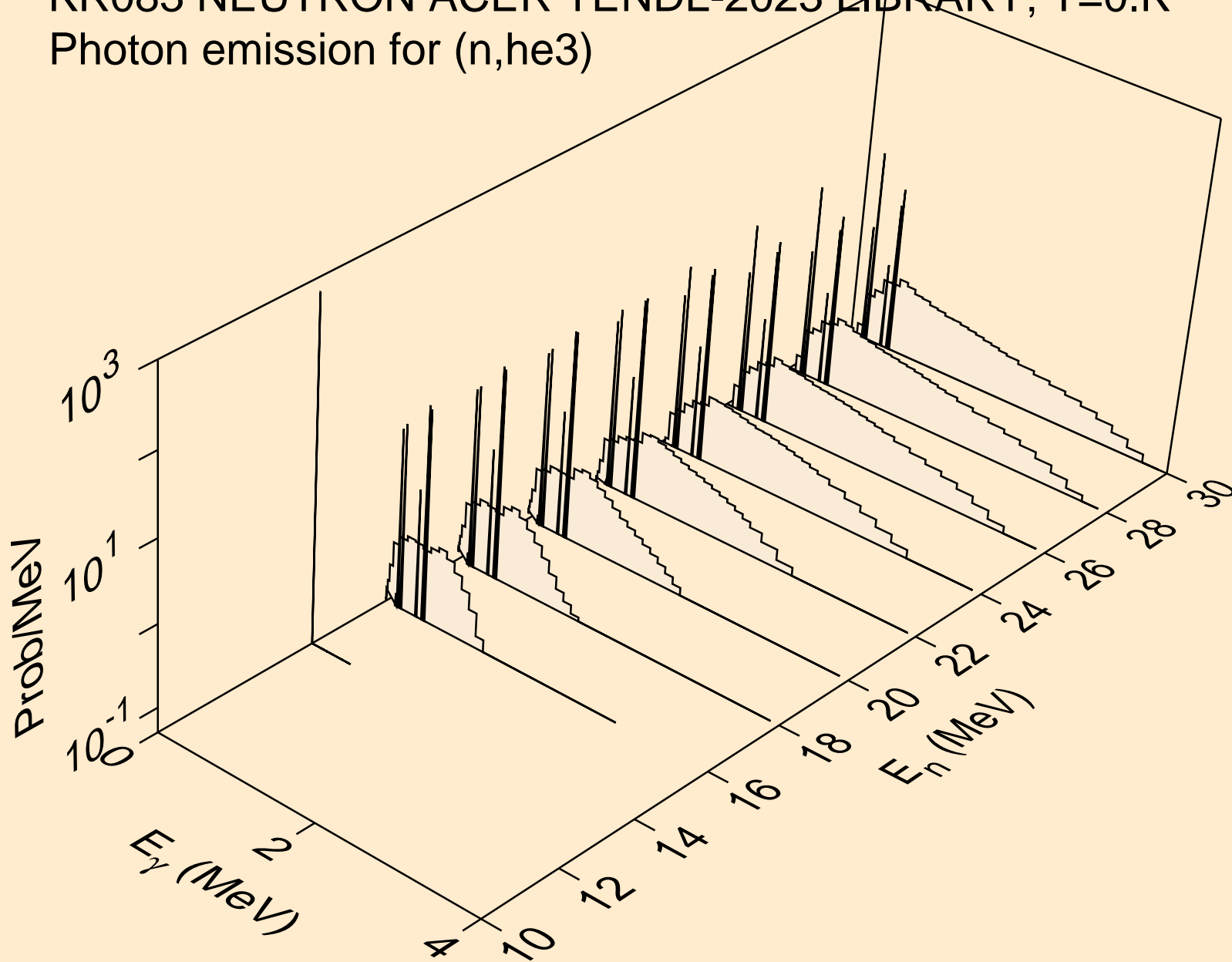




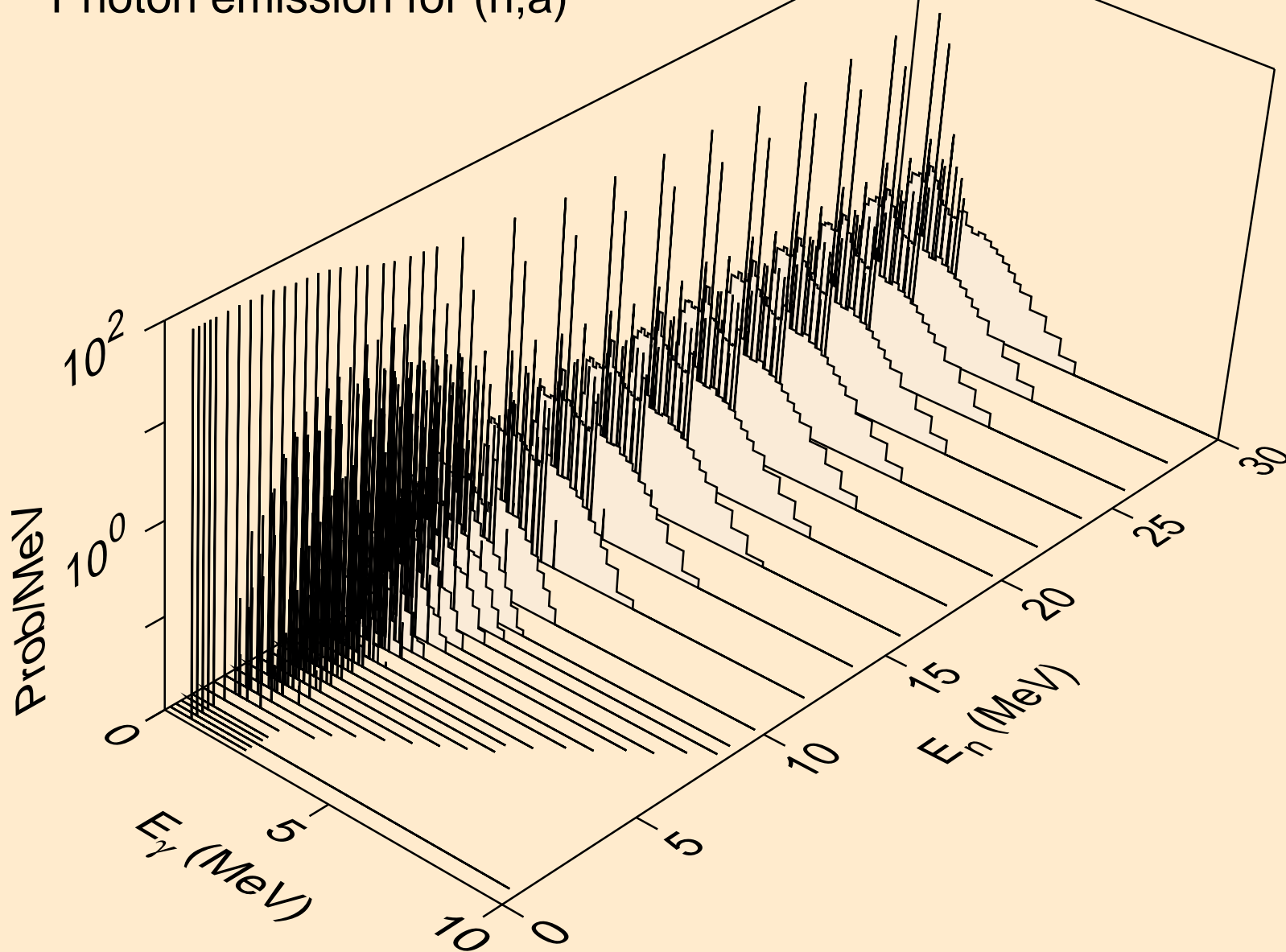
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,t)



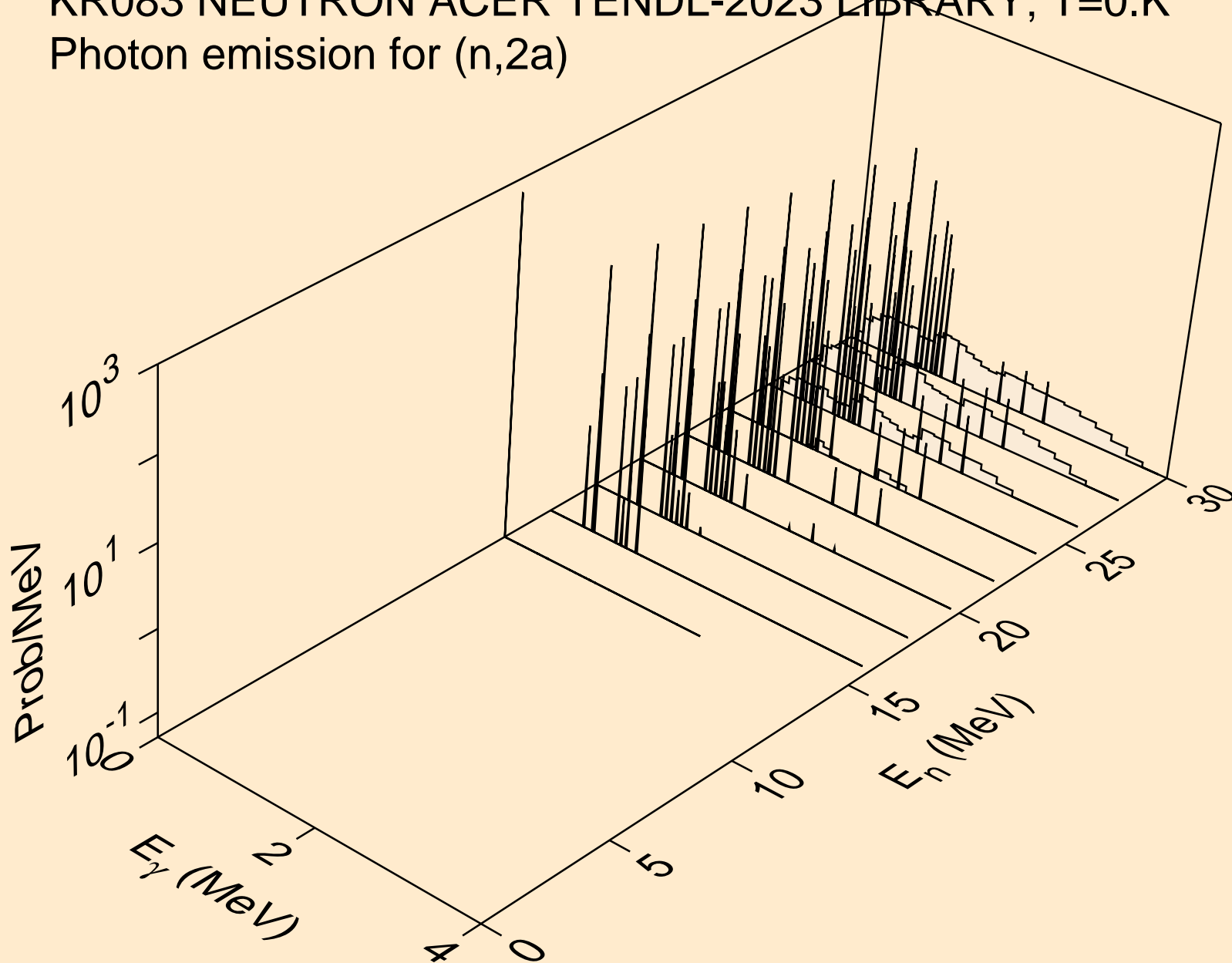
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Photon emission for (n,he3)



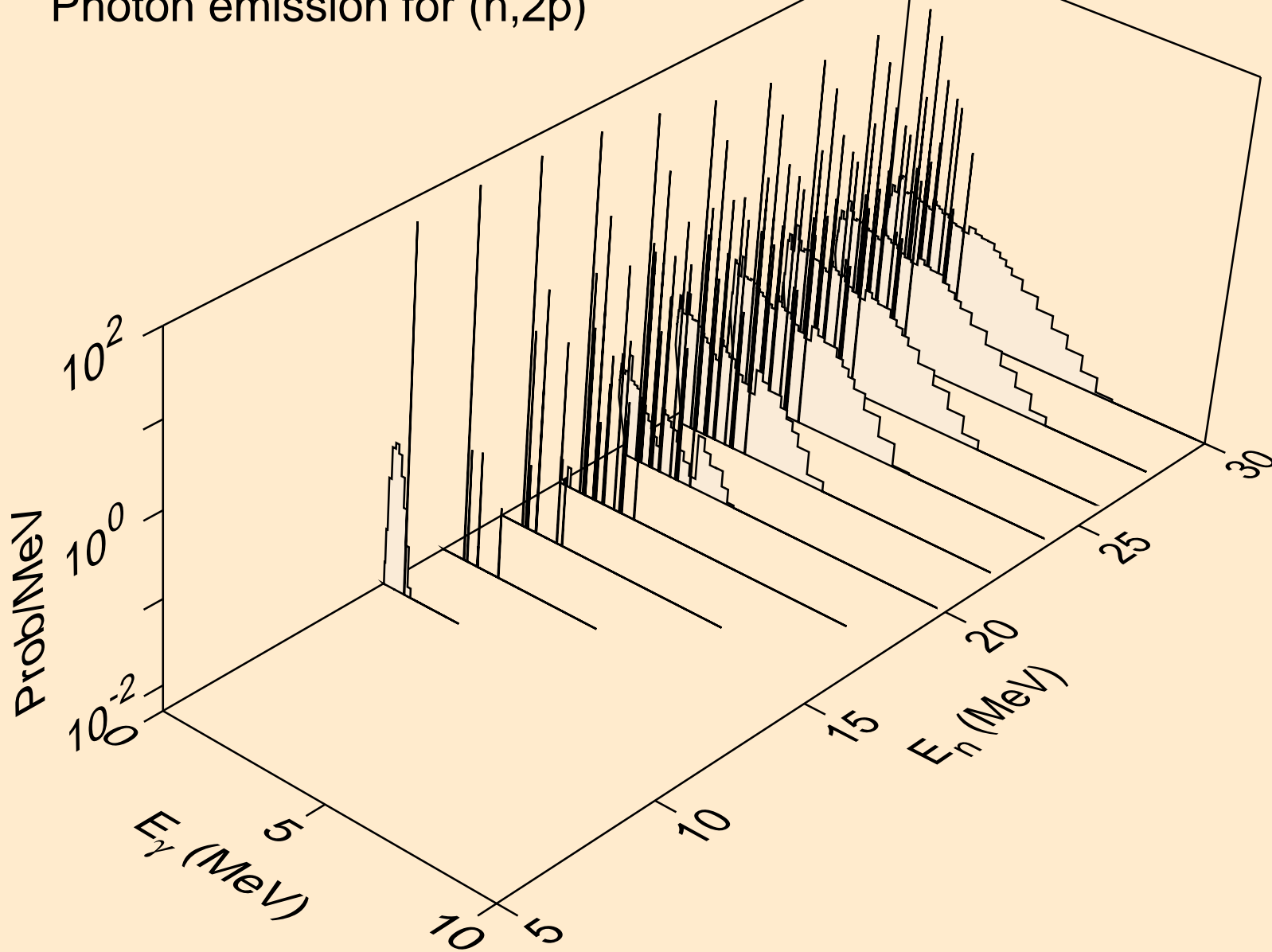
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Photon emission for (n,a)



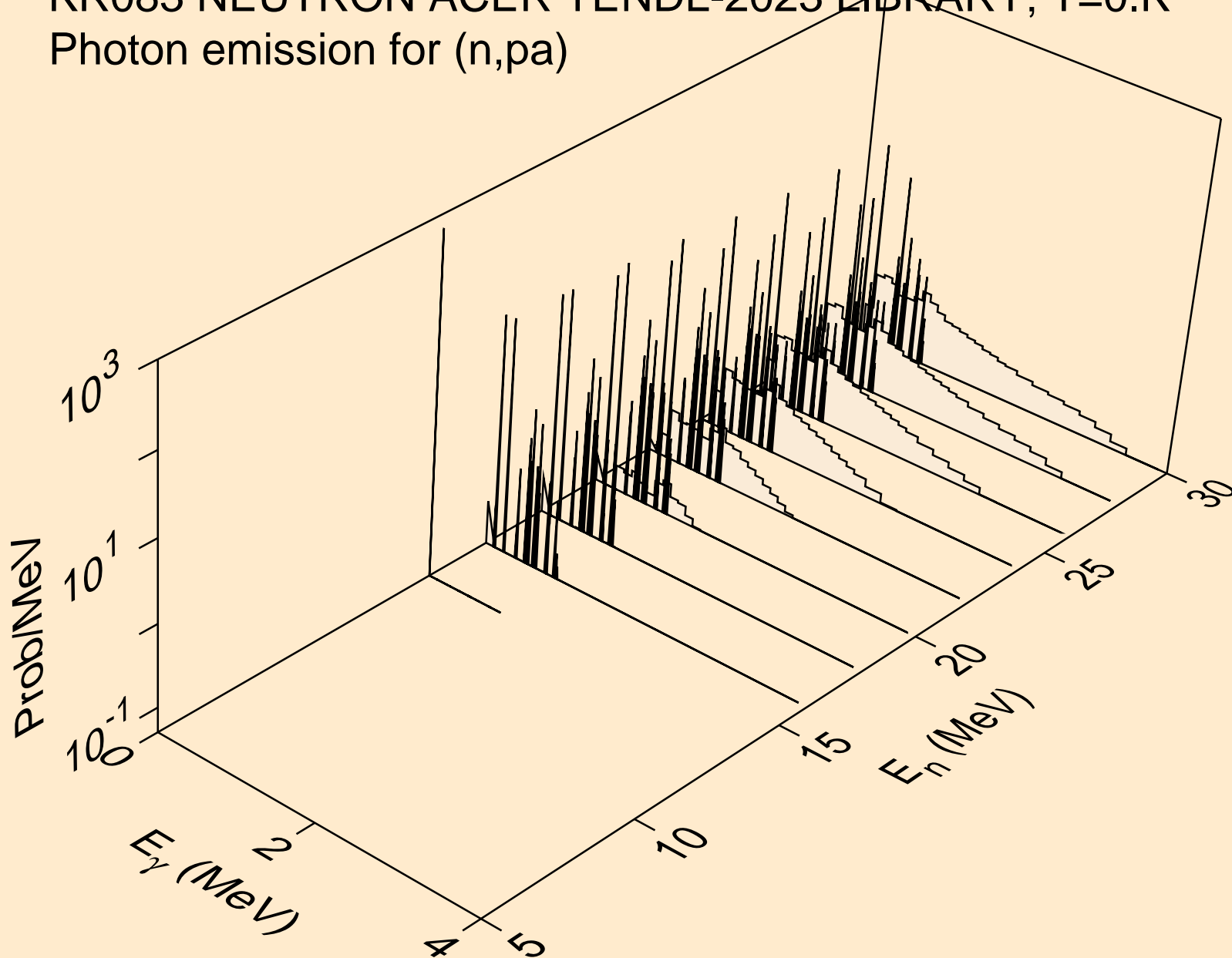
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Photon emission for (n,2a)



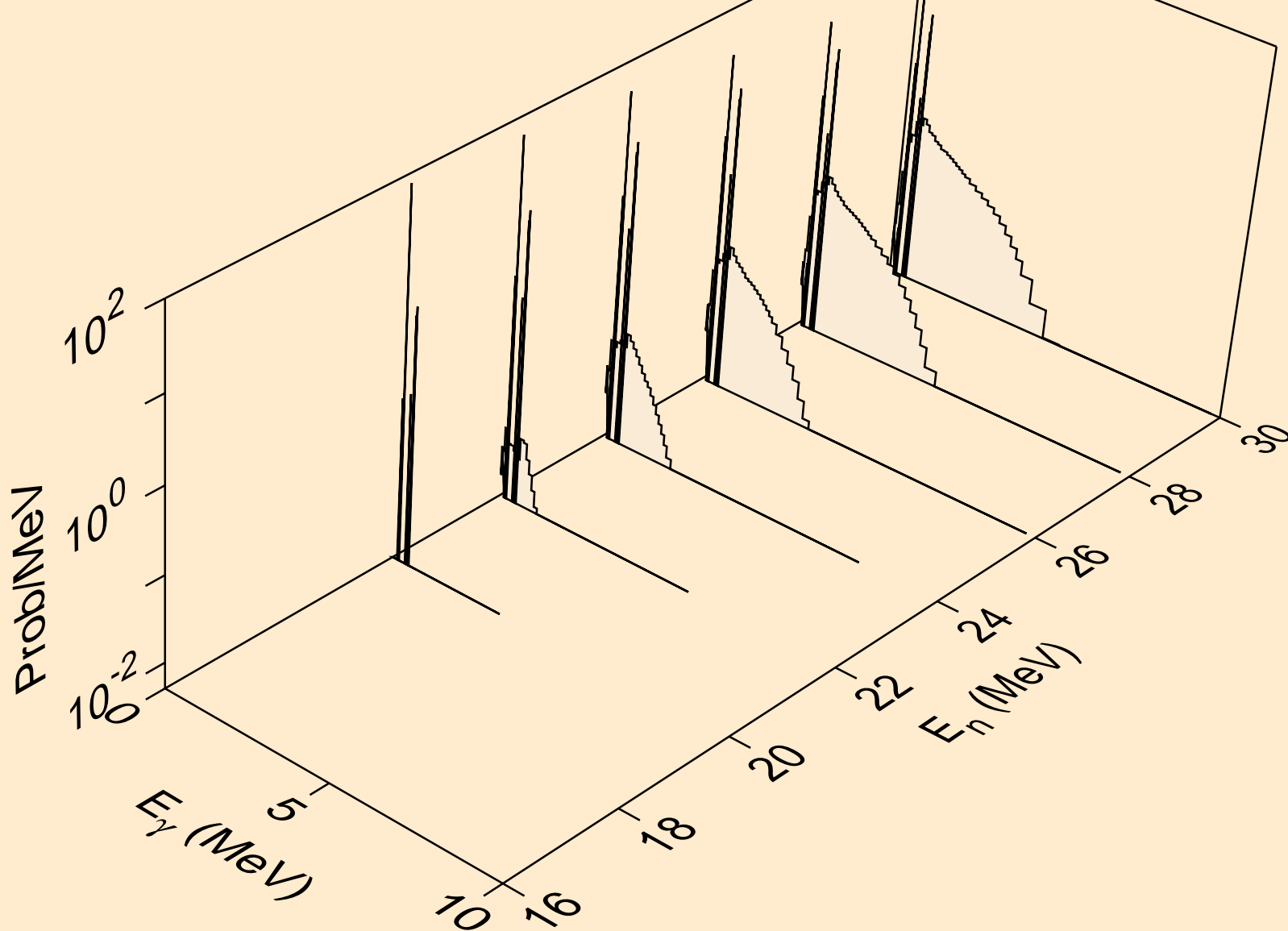
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Photon emission for (n,2p)



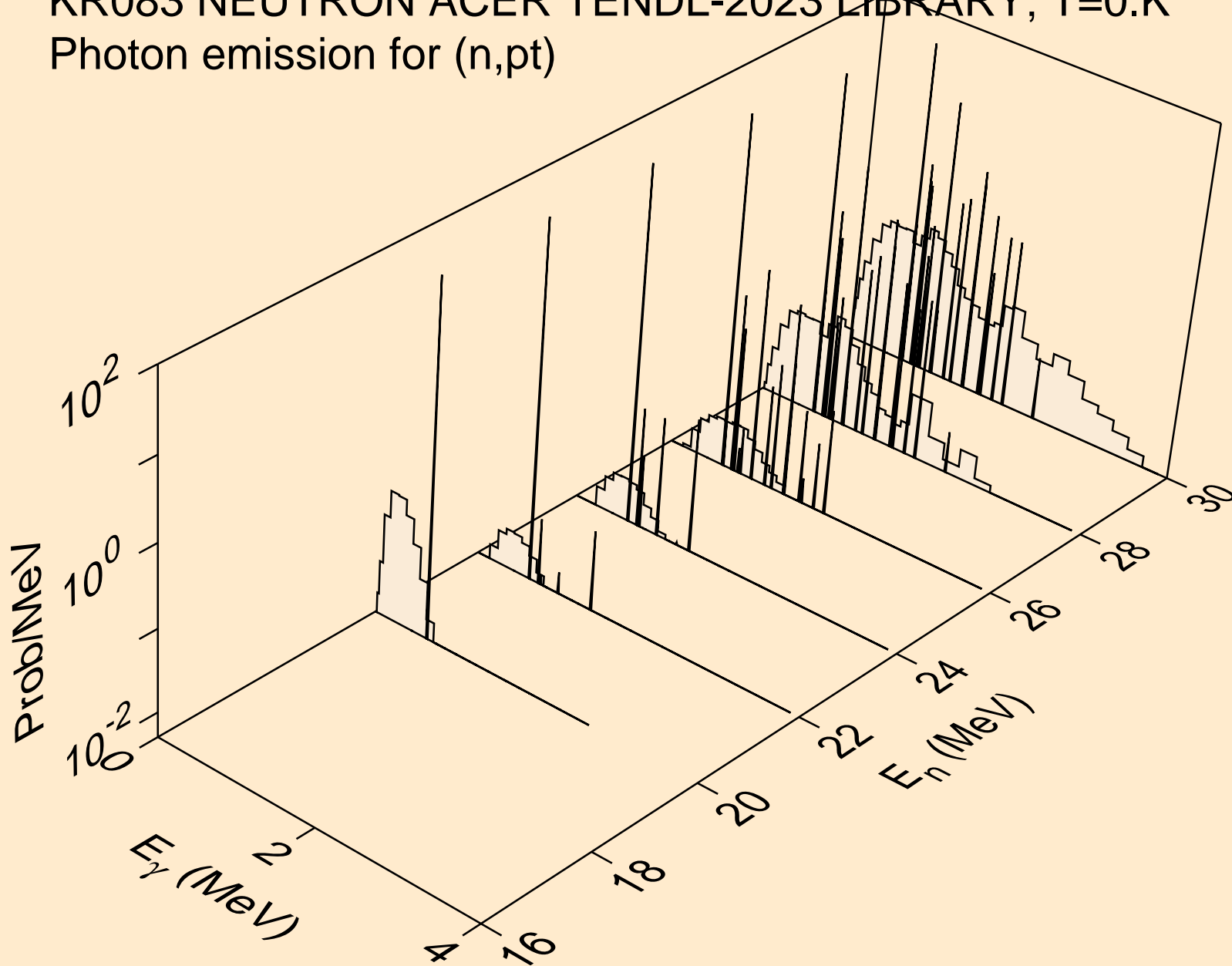
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,p $\alpha$ )



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pd)

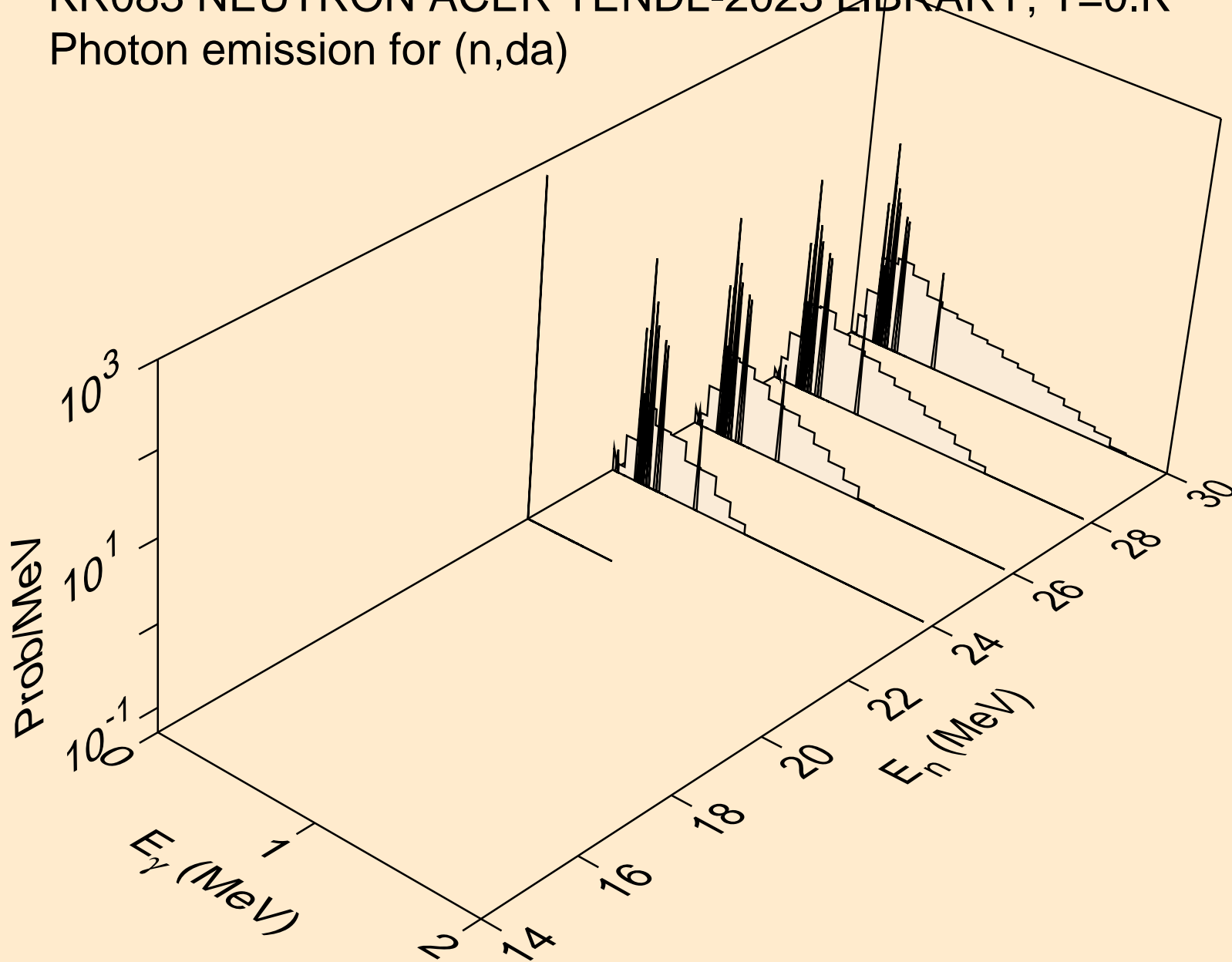


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,pt)

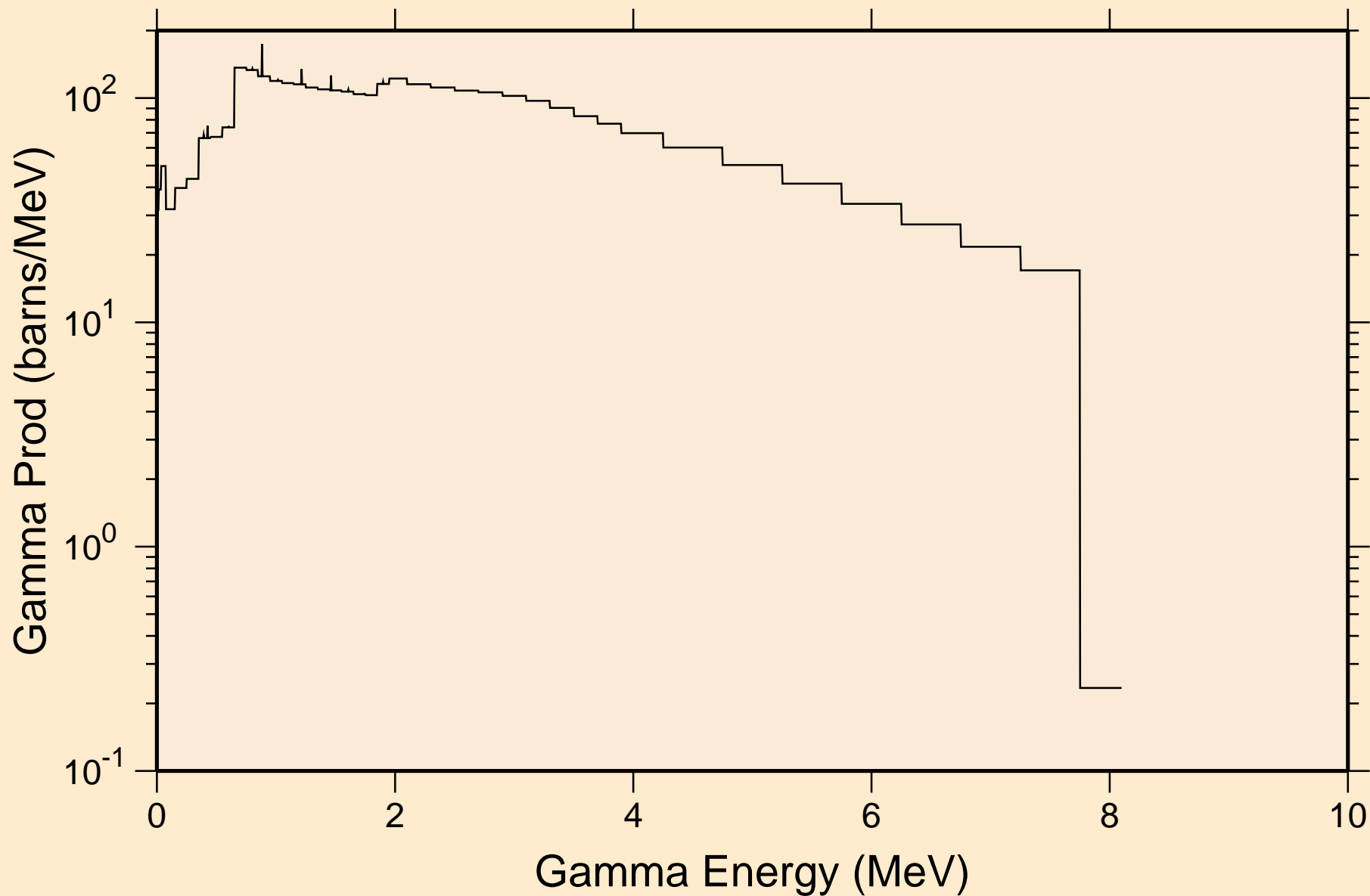




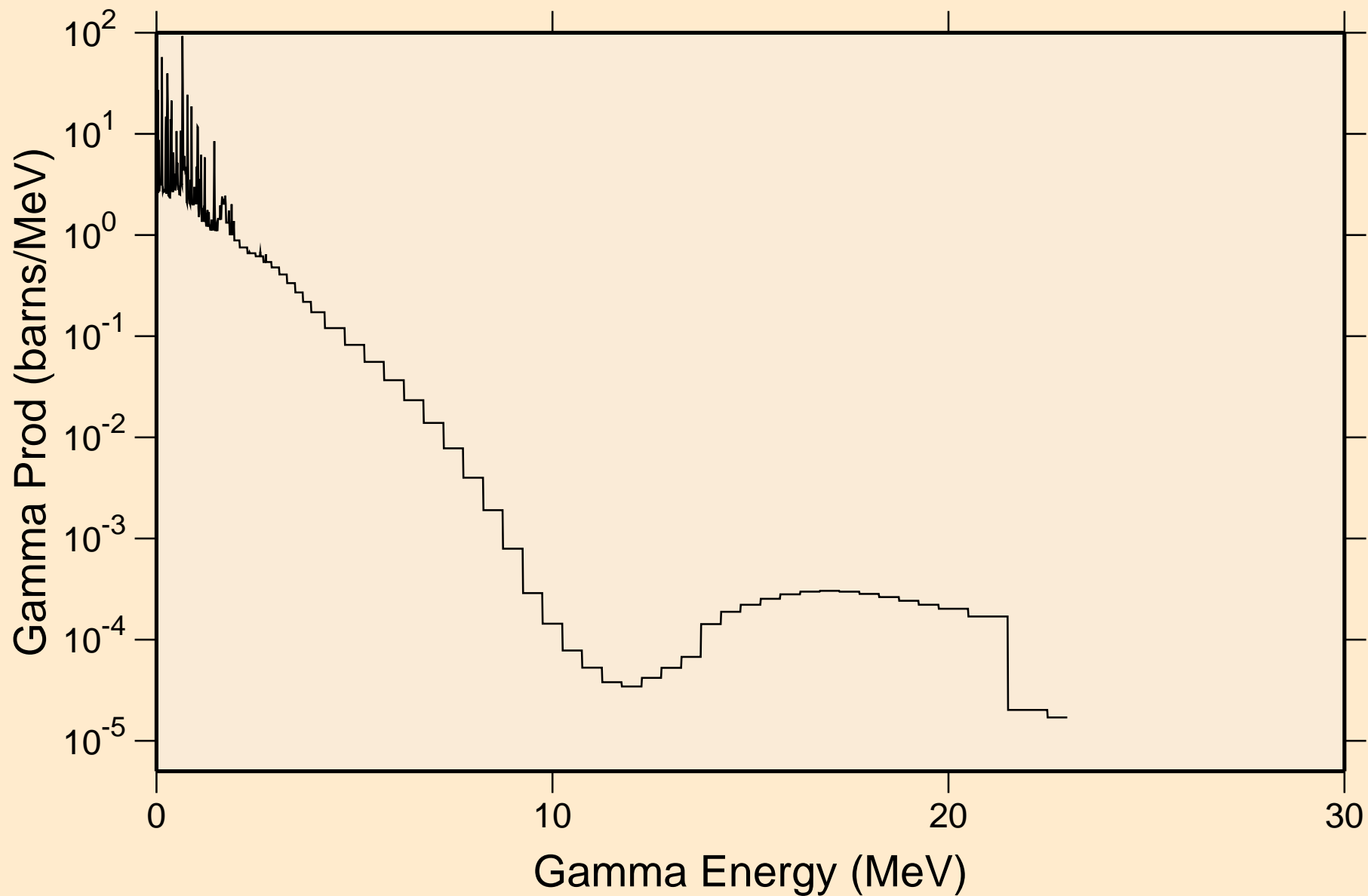
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Photon emission for (n,da)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
thermal capture photon spectrum

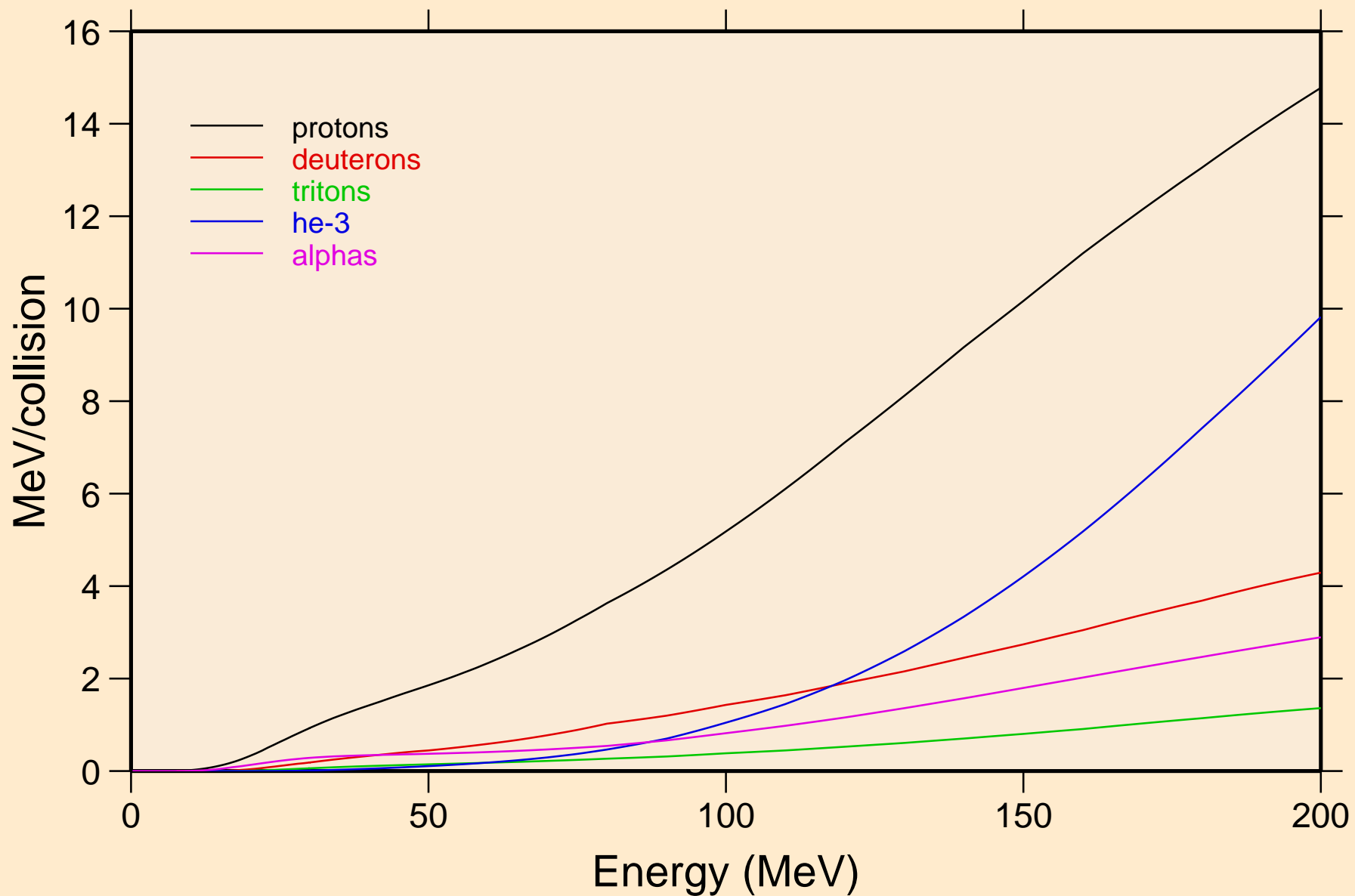


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
14 MeV photon spectrum

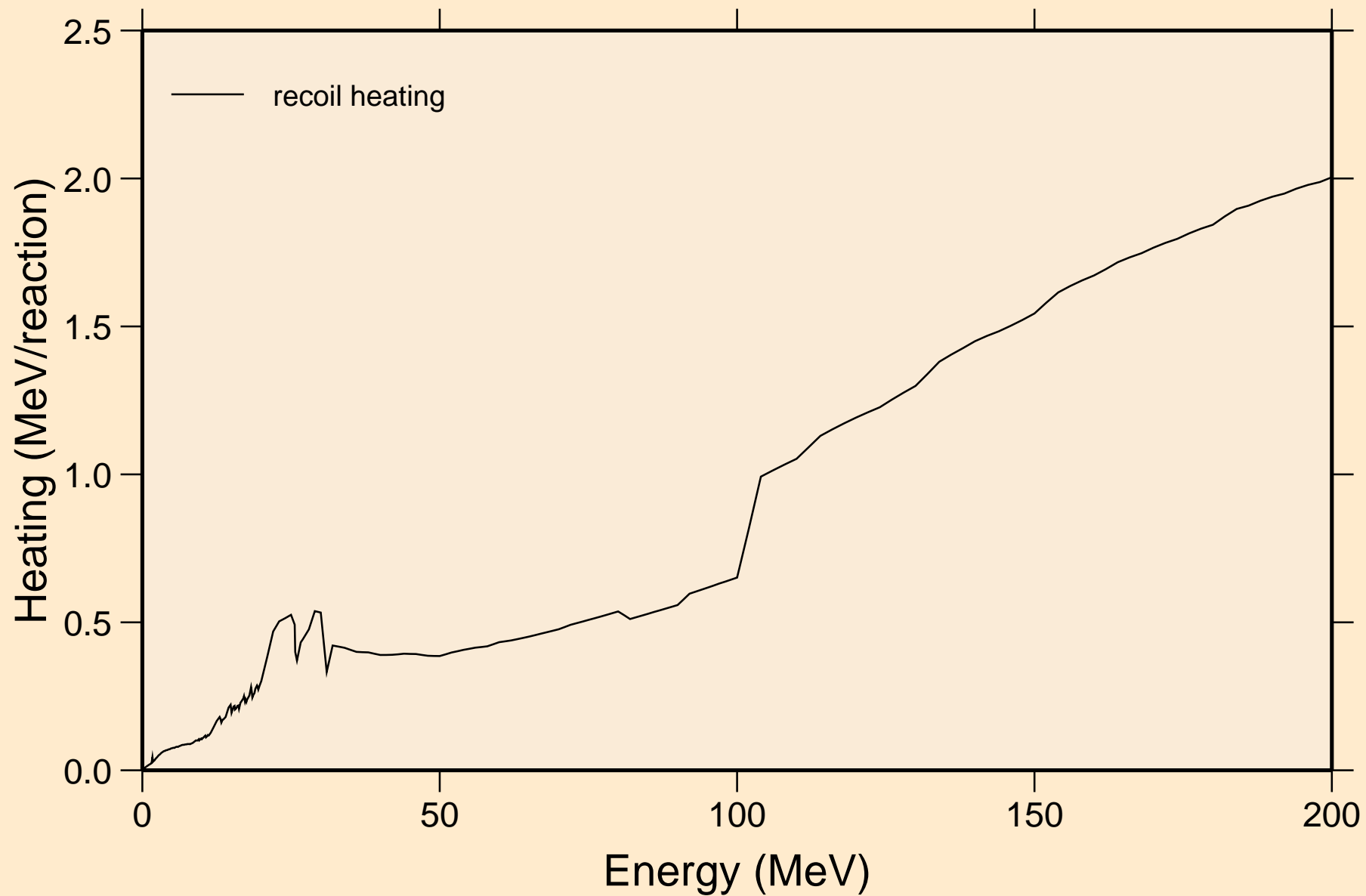


# KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K

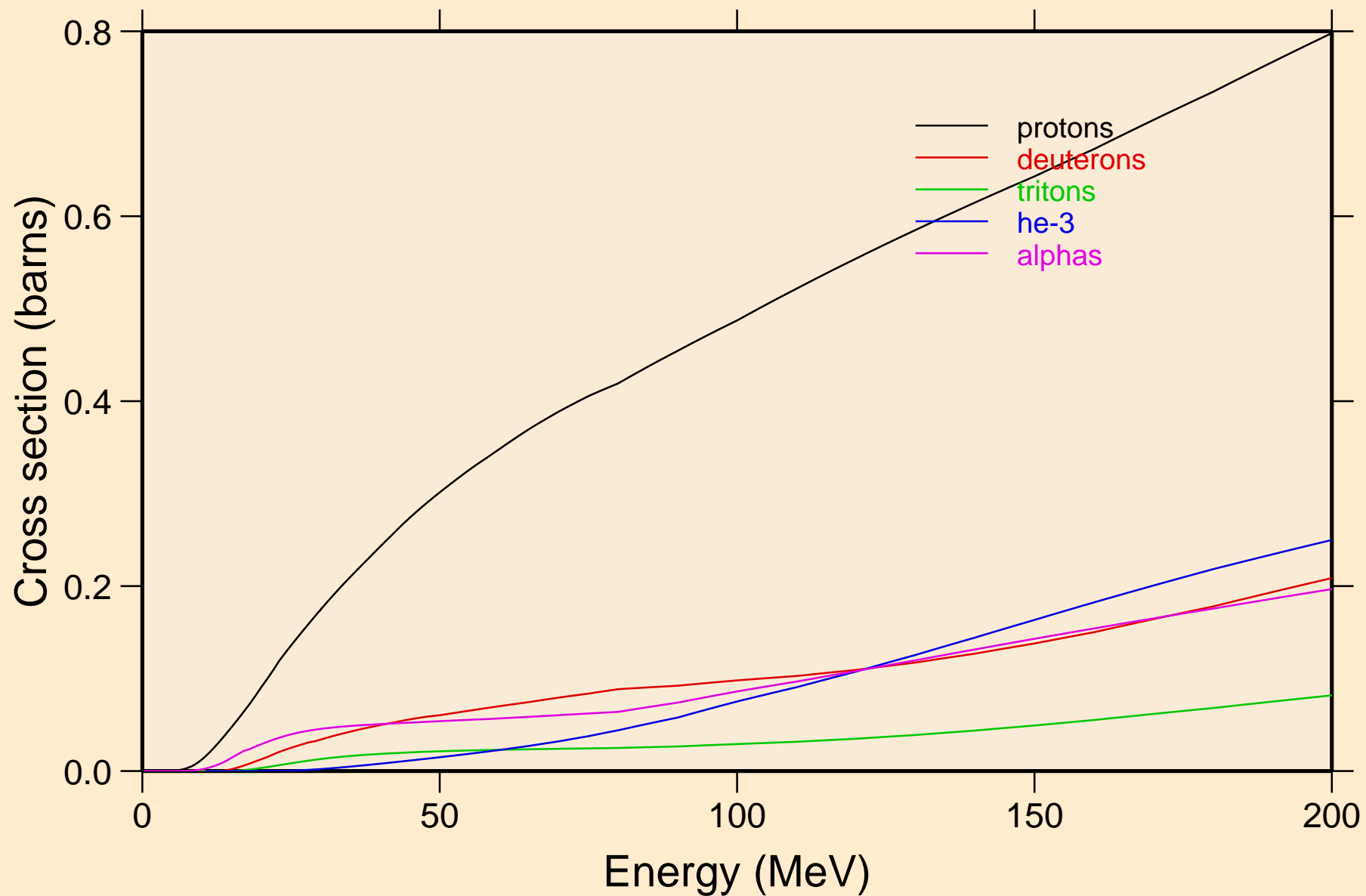
## Particle heating contributions



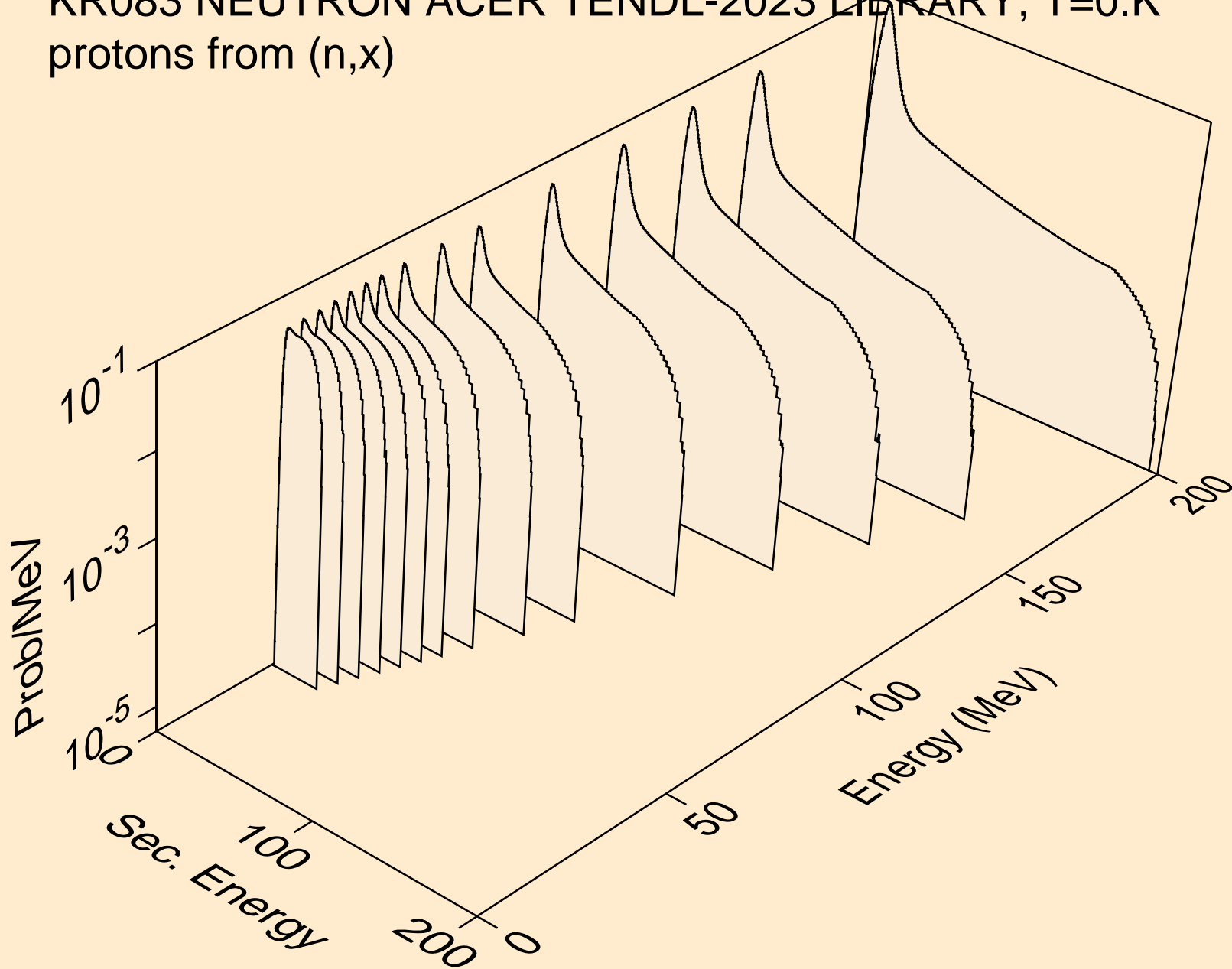
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Recoil Heating



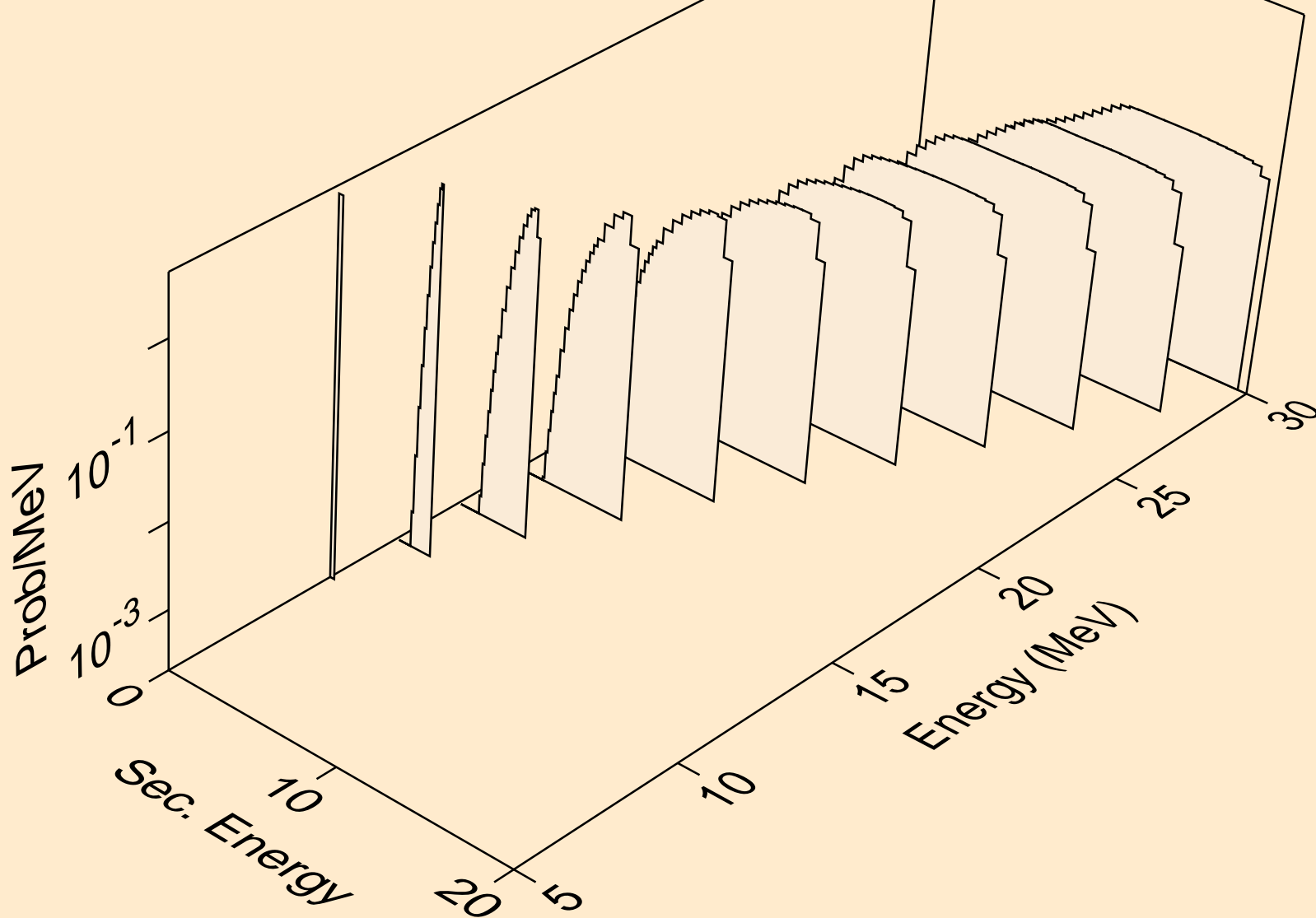
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
Particle production cross sections



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,x)

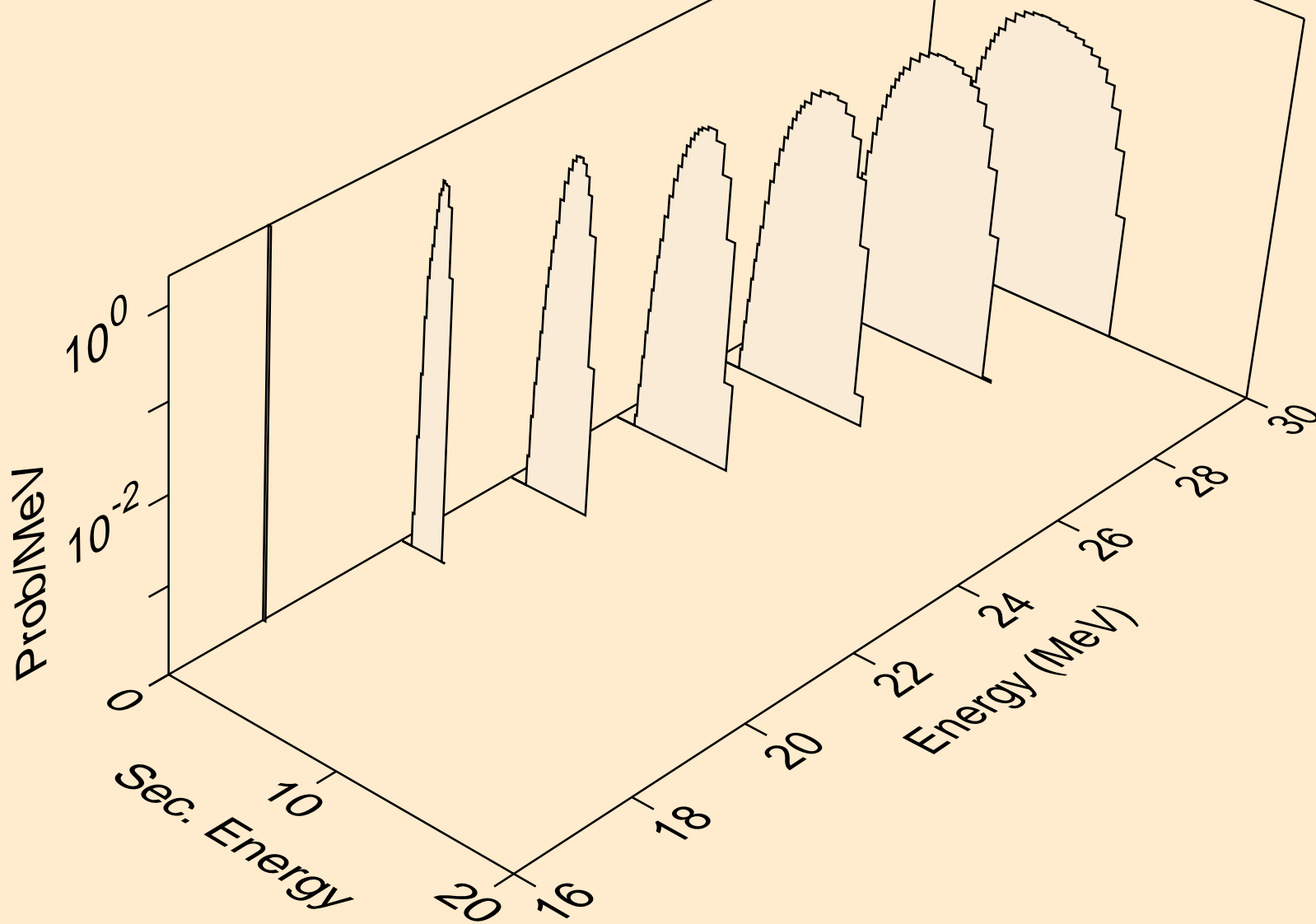


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,n\*)p

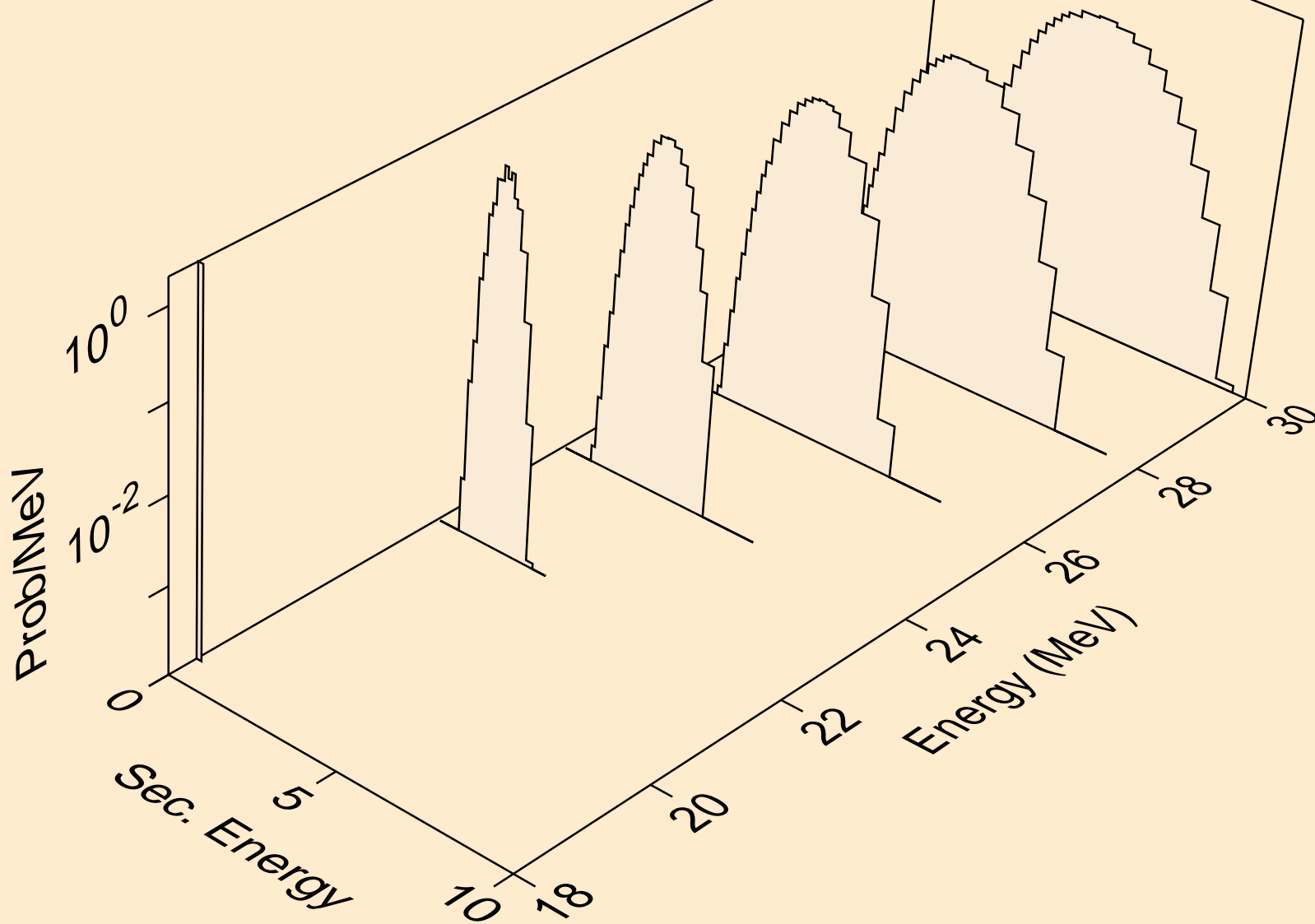




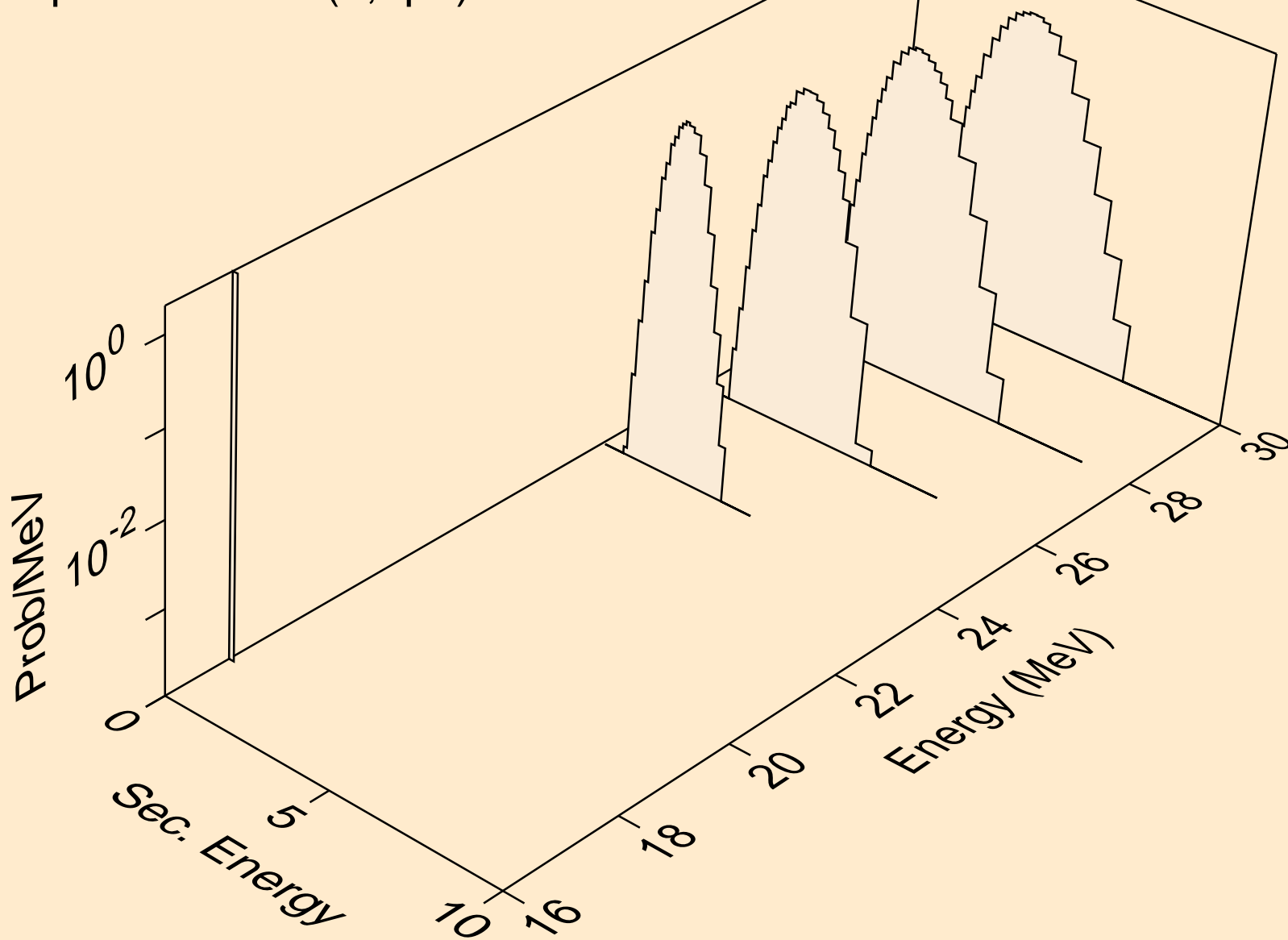
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protons from (n,2np)



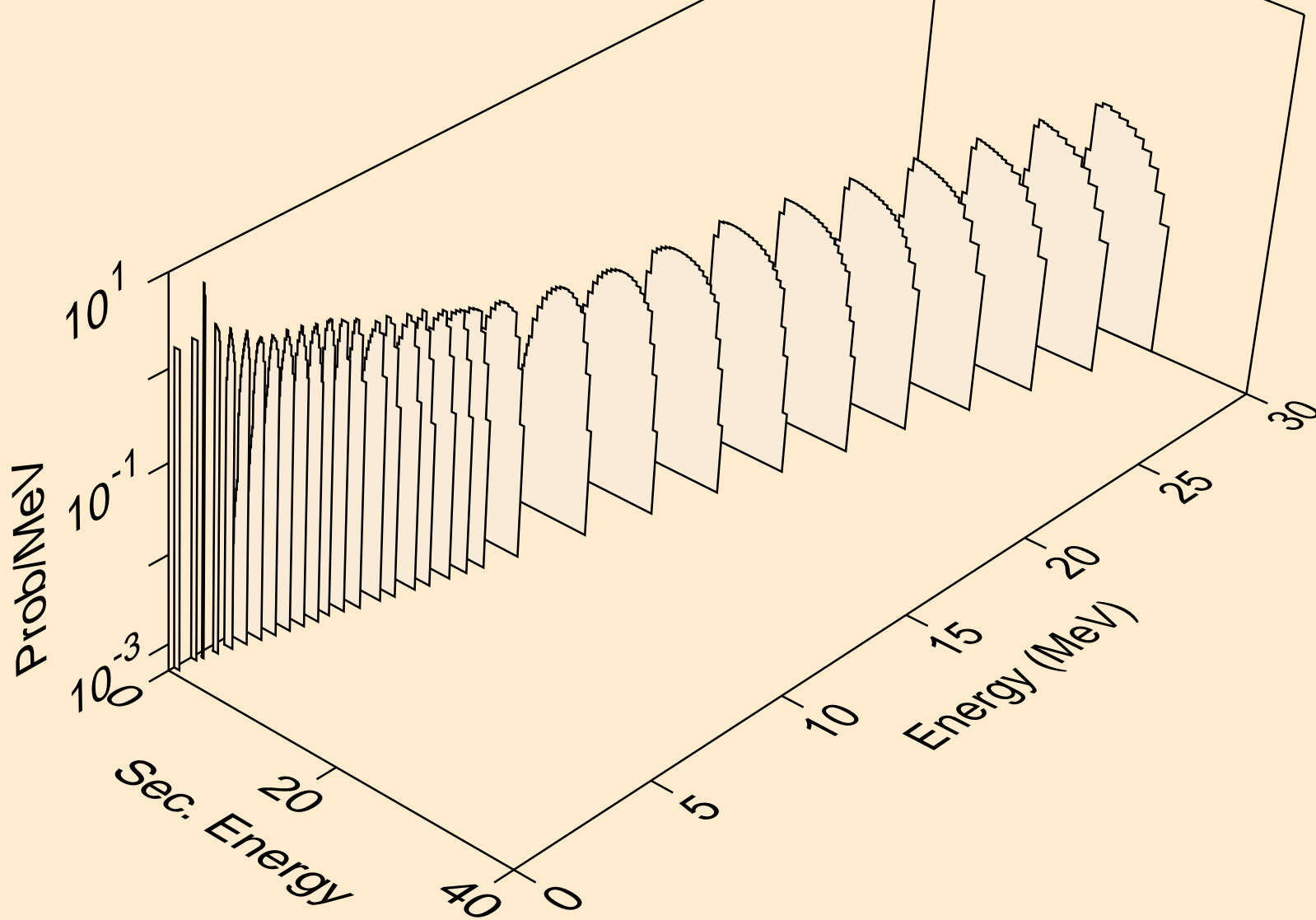
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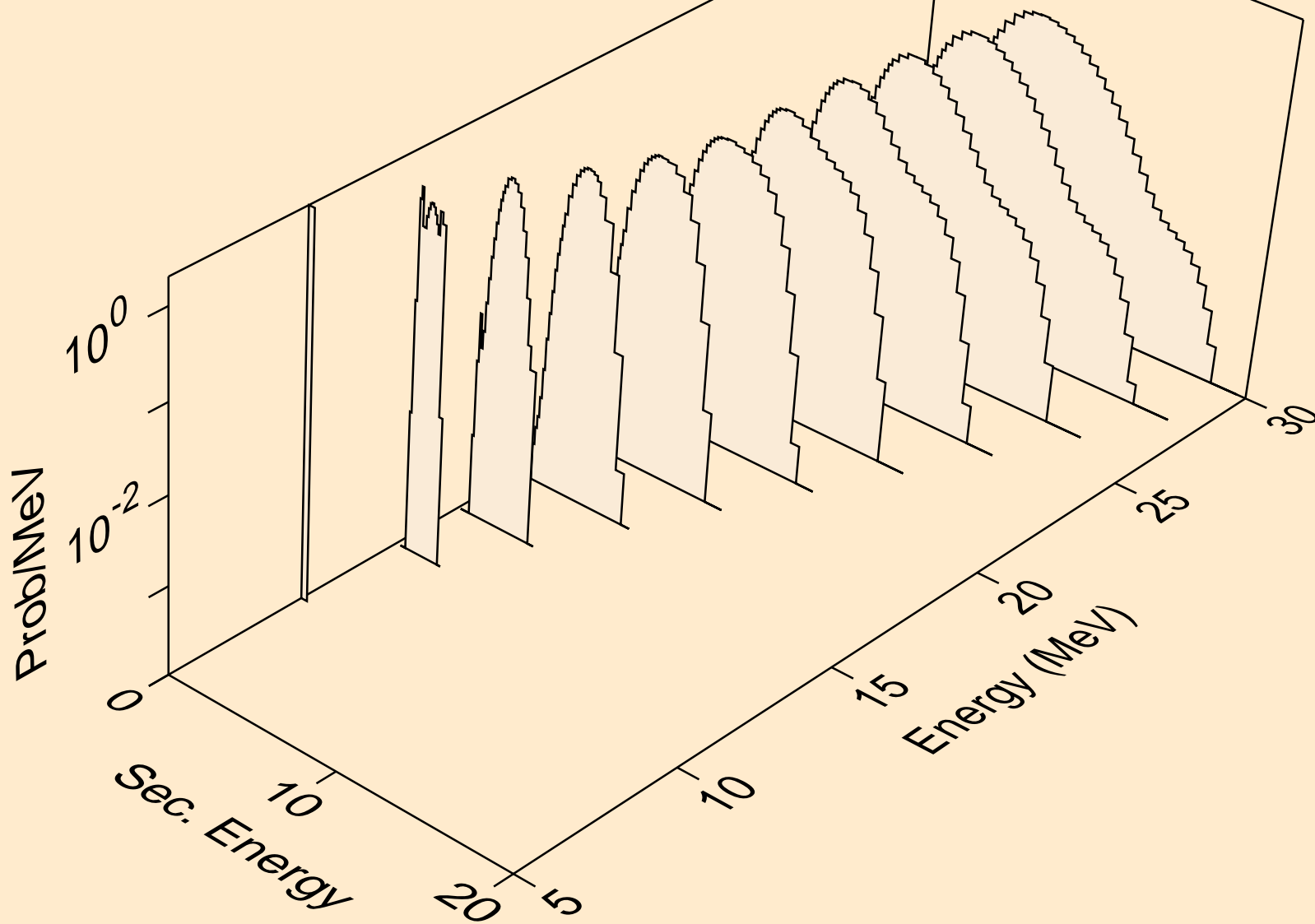
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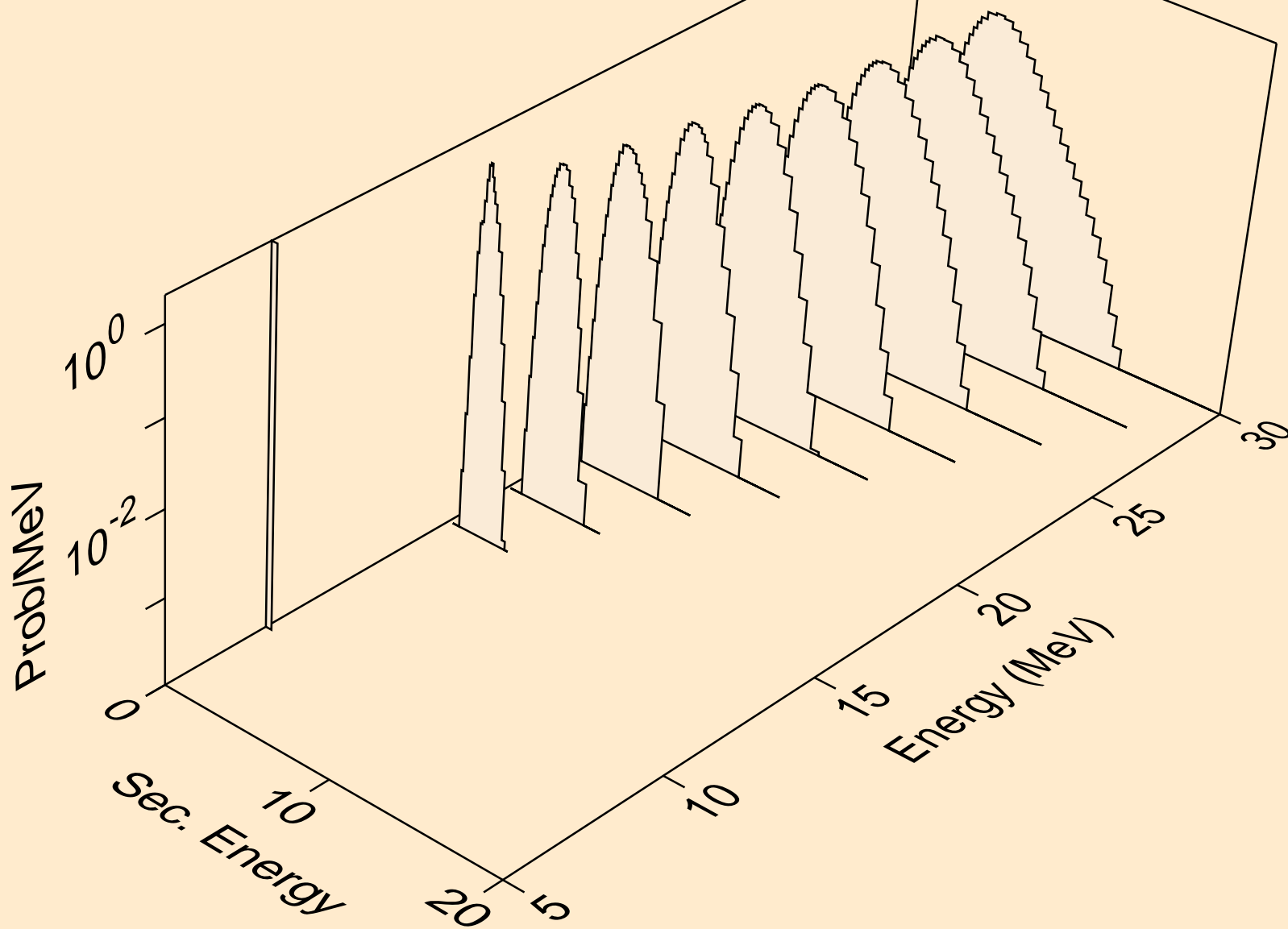
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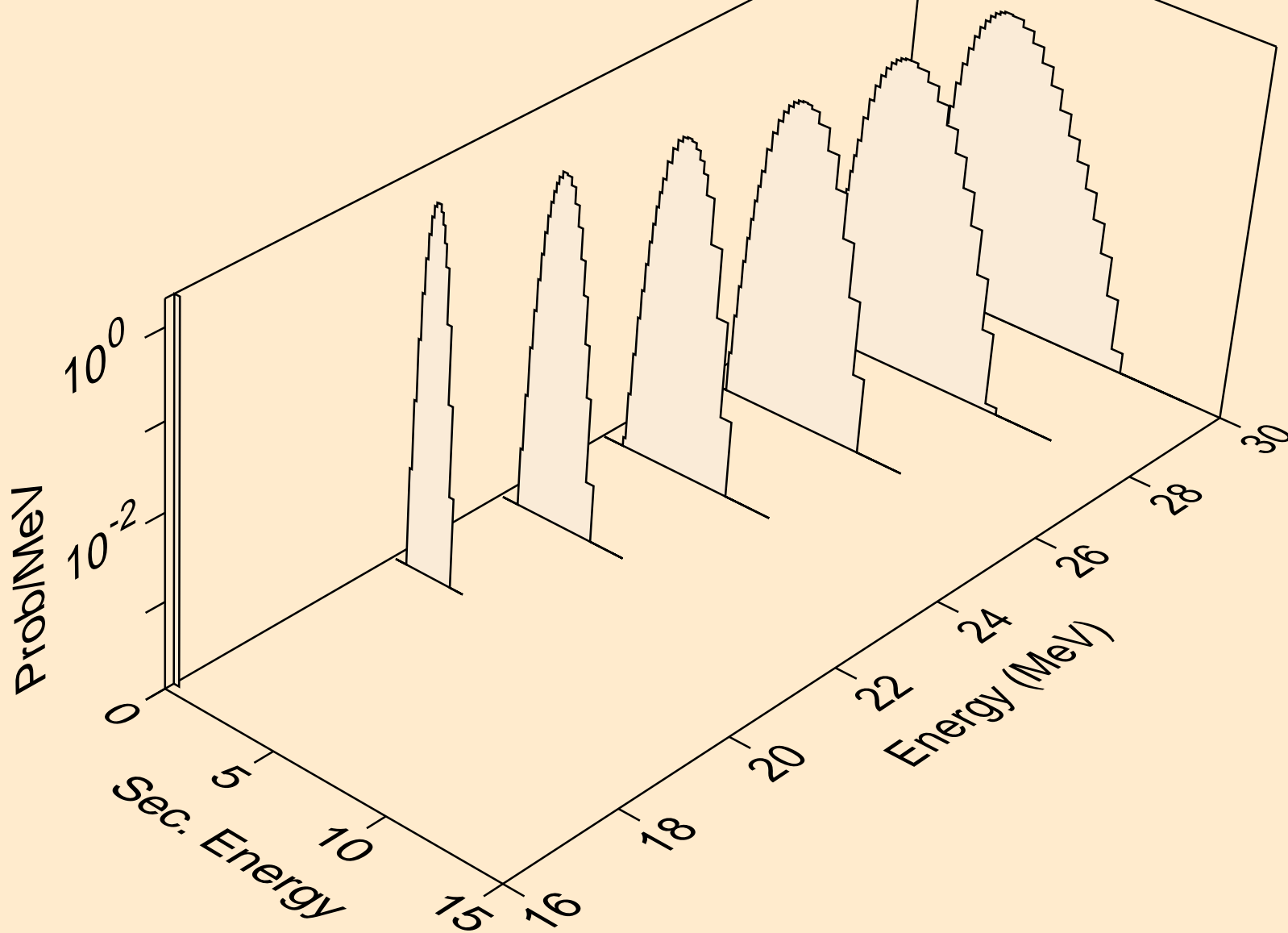
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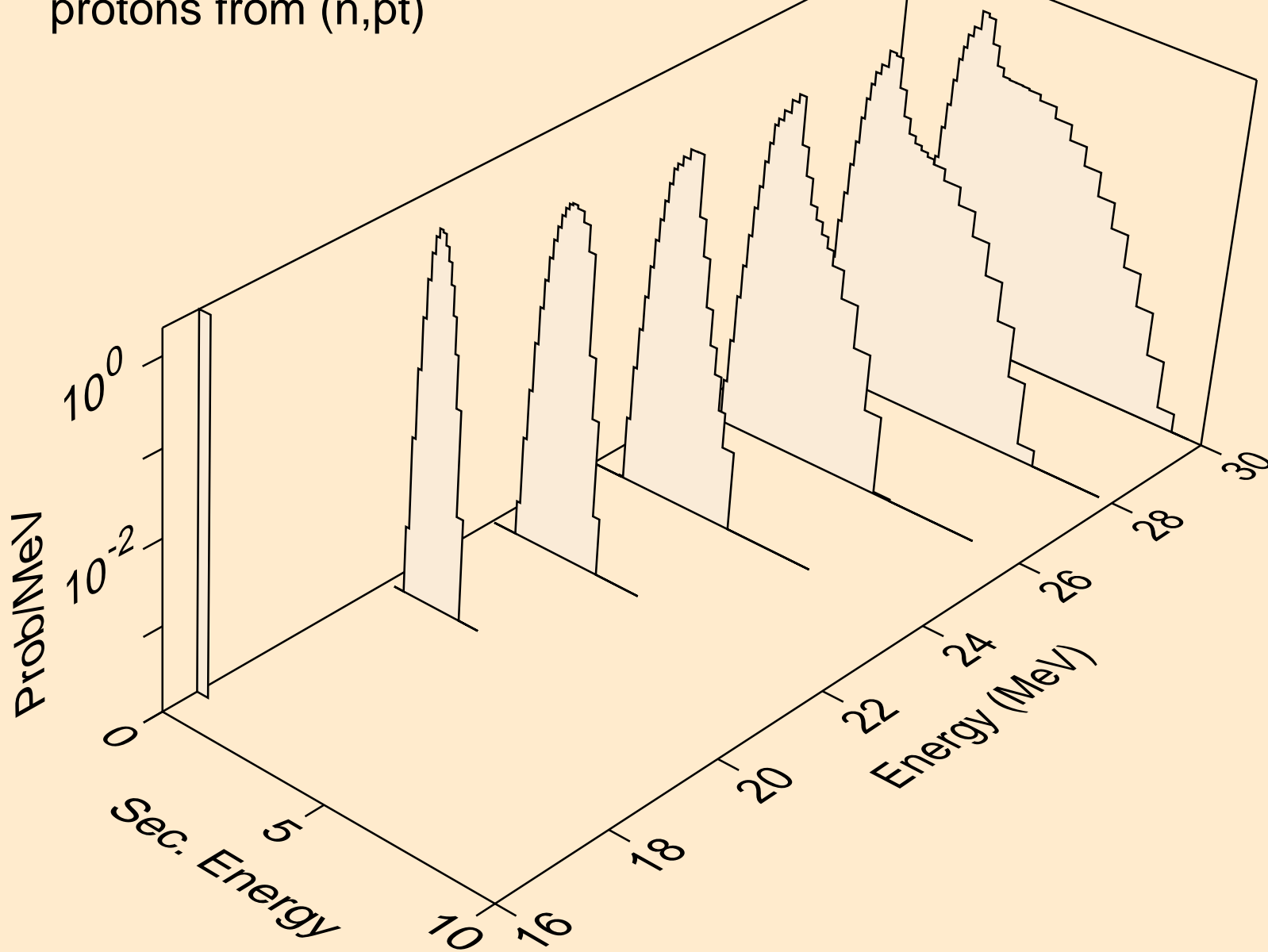
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protons from (n,p)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
protons from (n,pd)

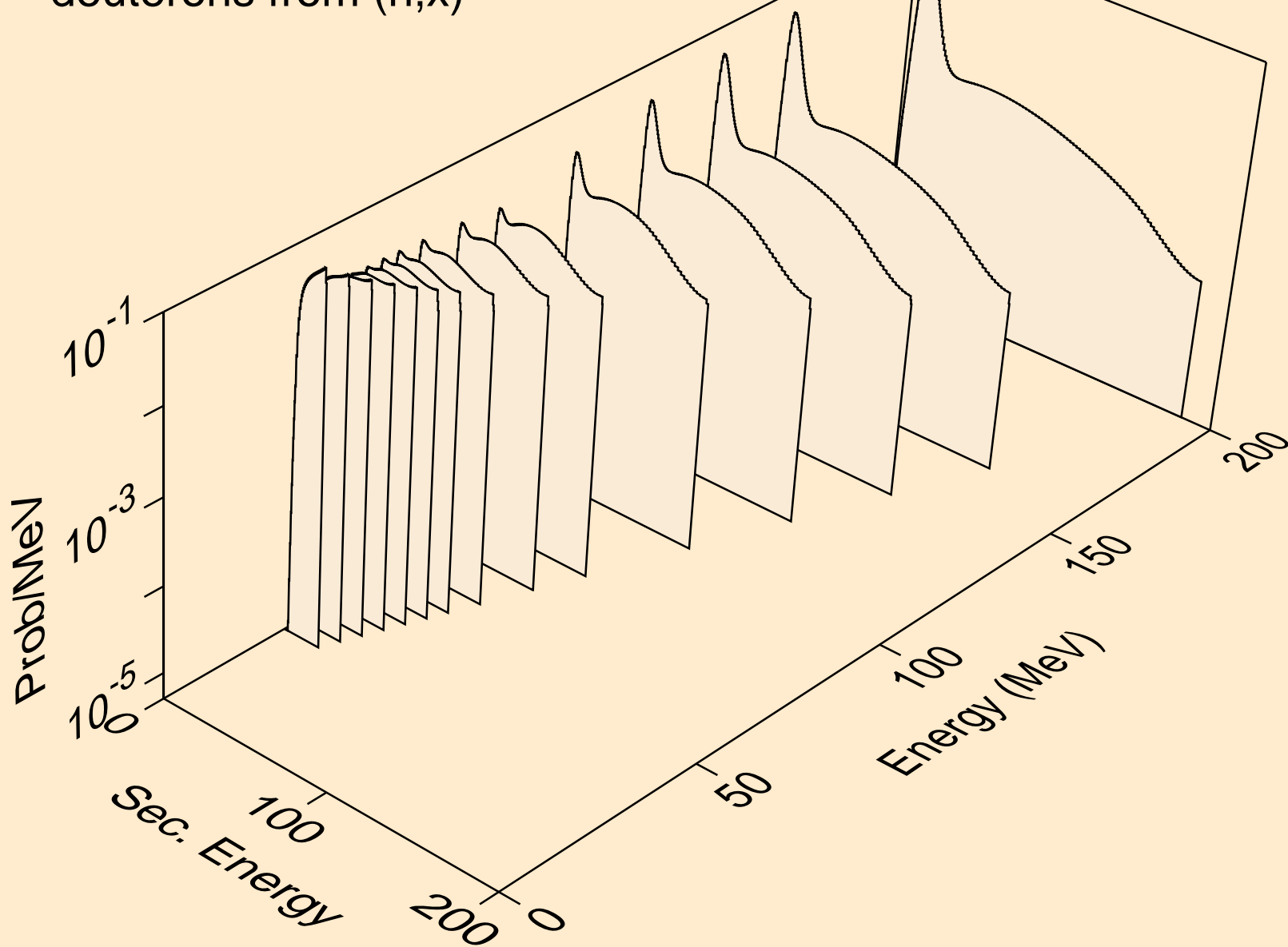


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protons from (n,pt)

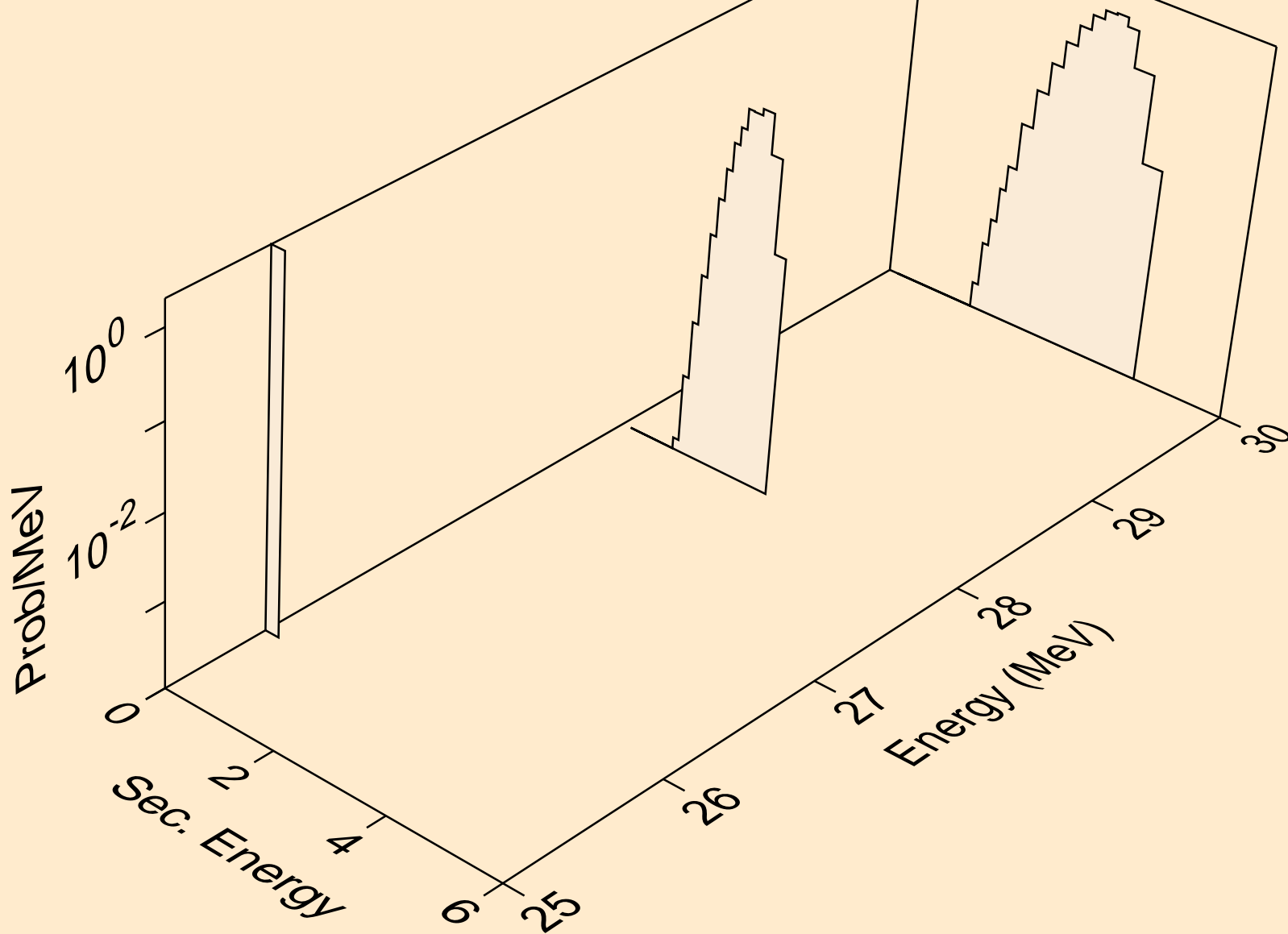




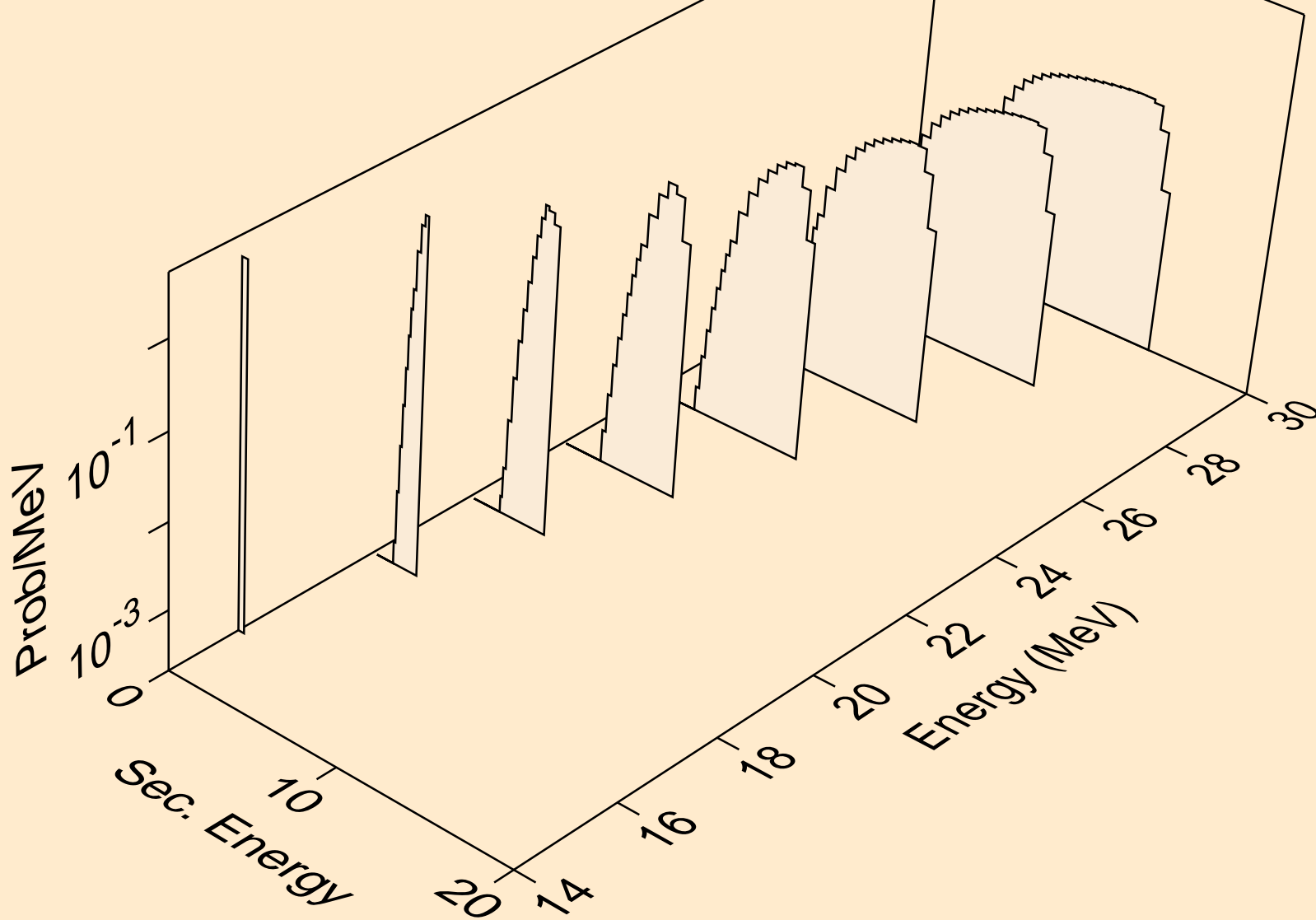
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deuterons from (n,x)



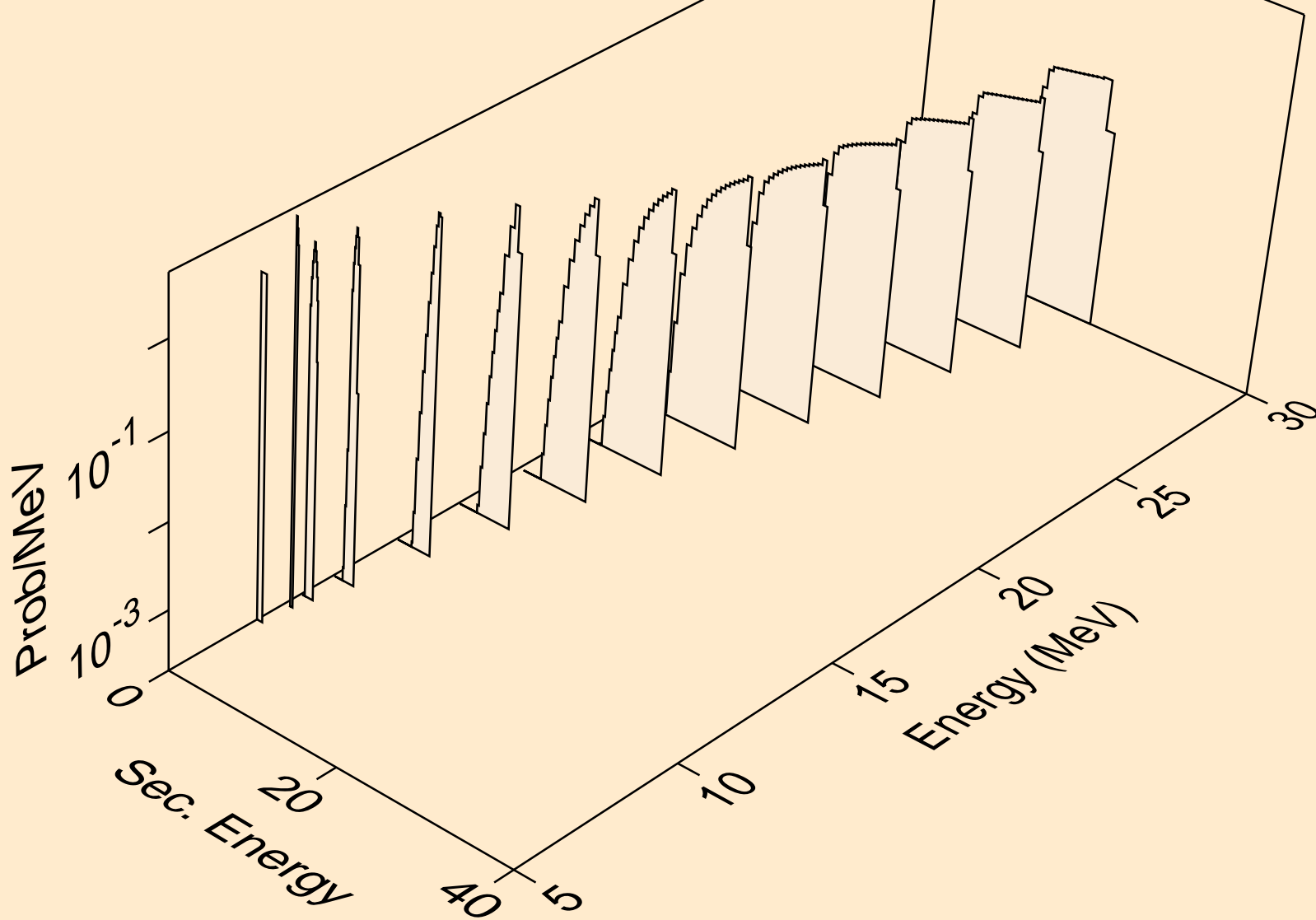
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deuterons from (n,2nd)



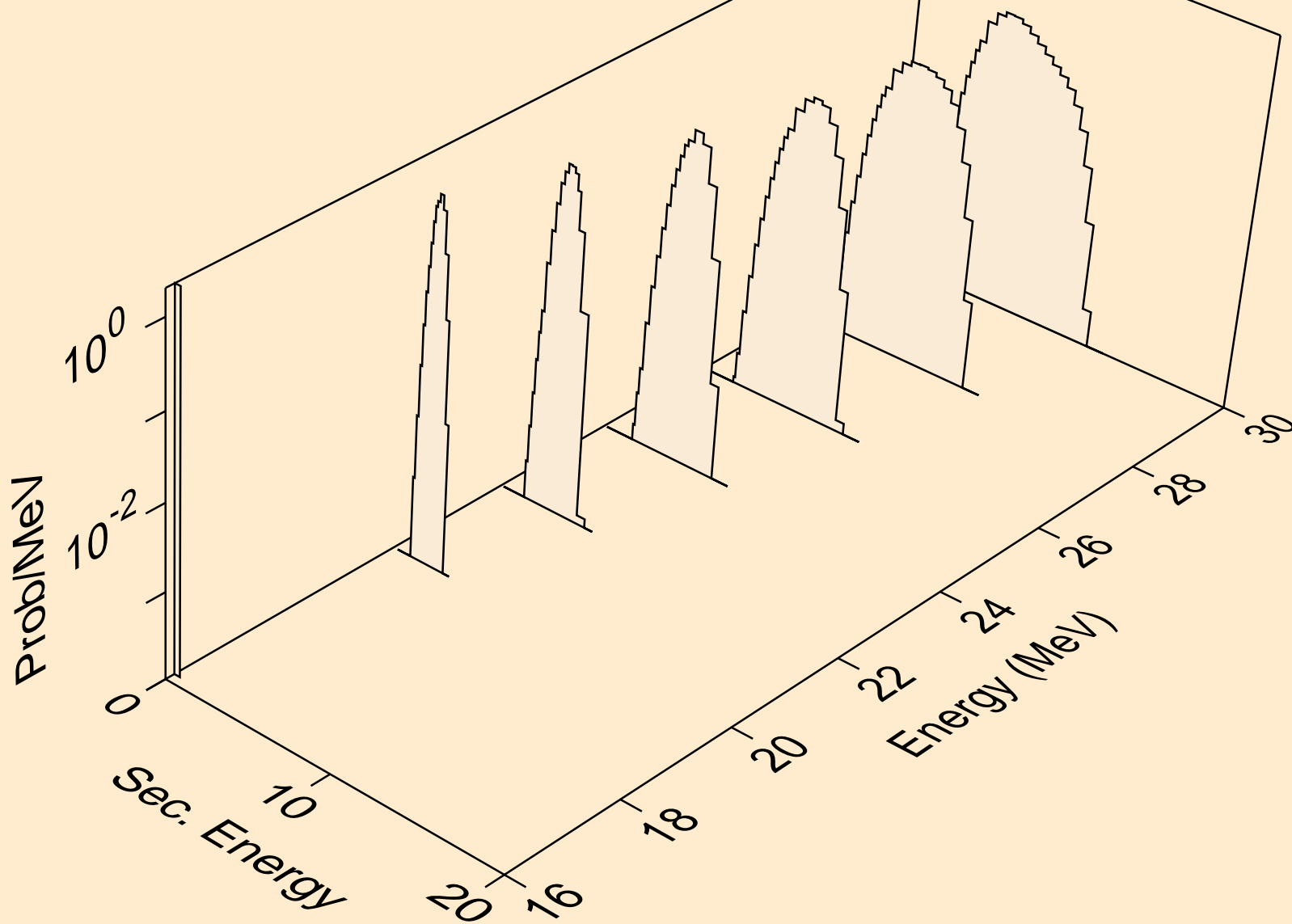
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deuterons from (n,n\*)d



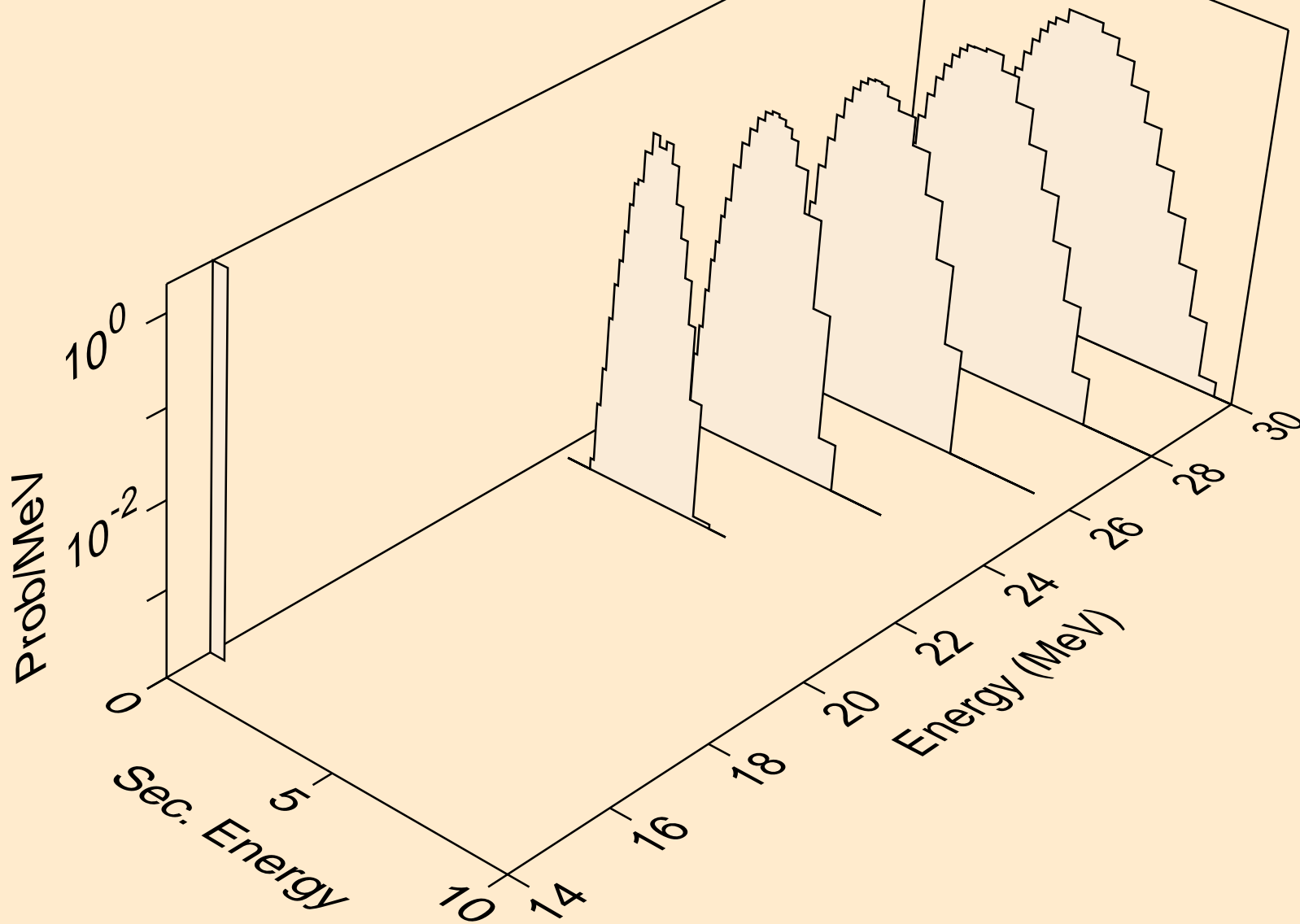
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deuterons from (n,d)



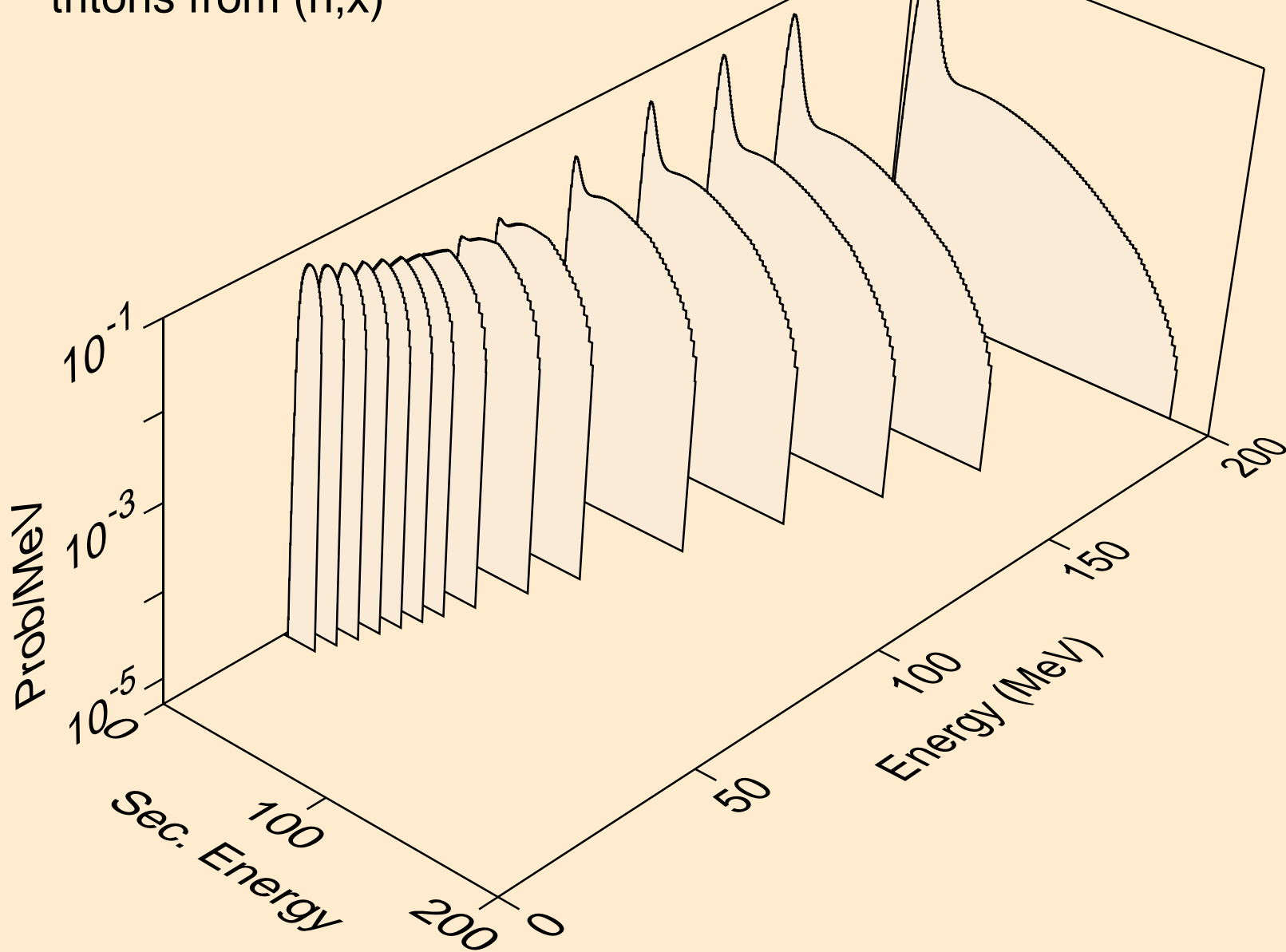
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deuterons from (n,pd)



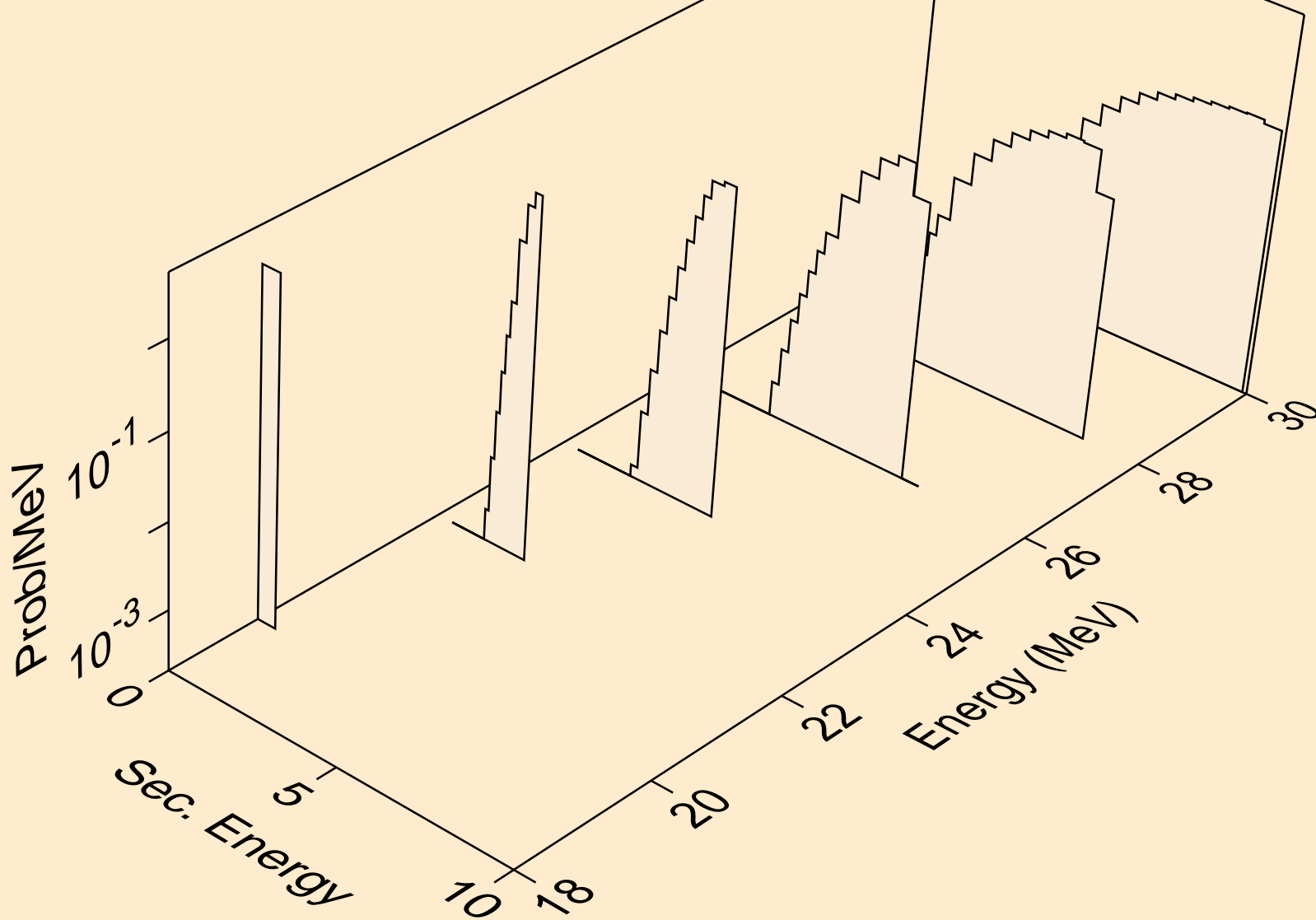
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
deuterons from (n,da)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,x)

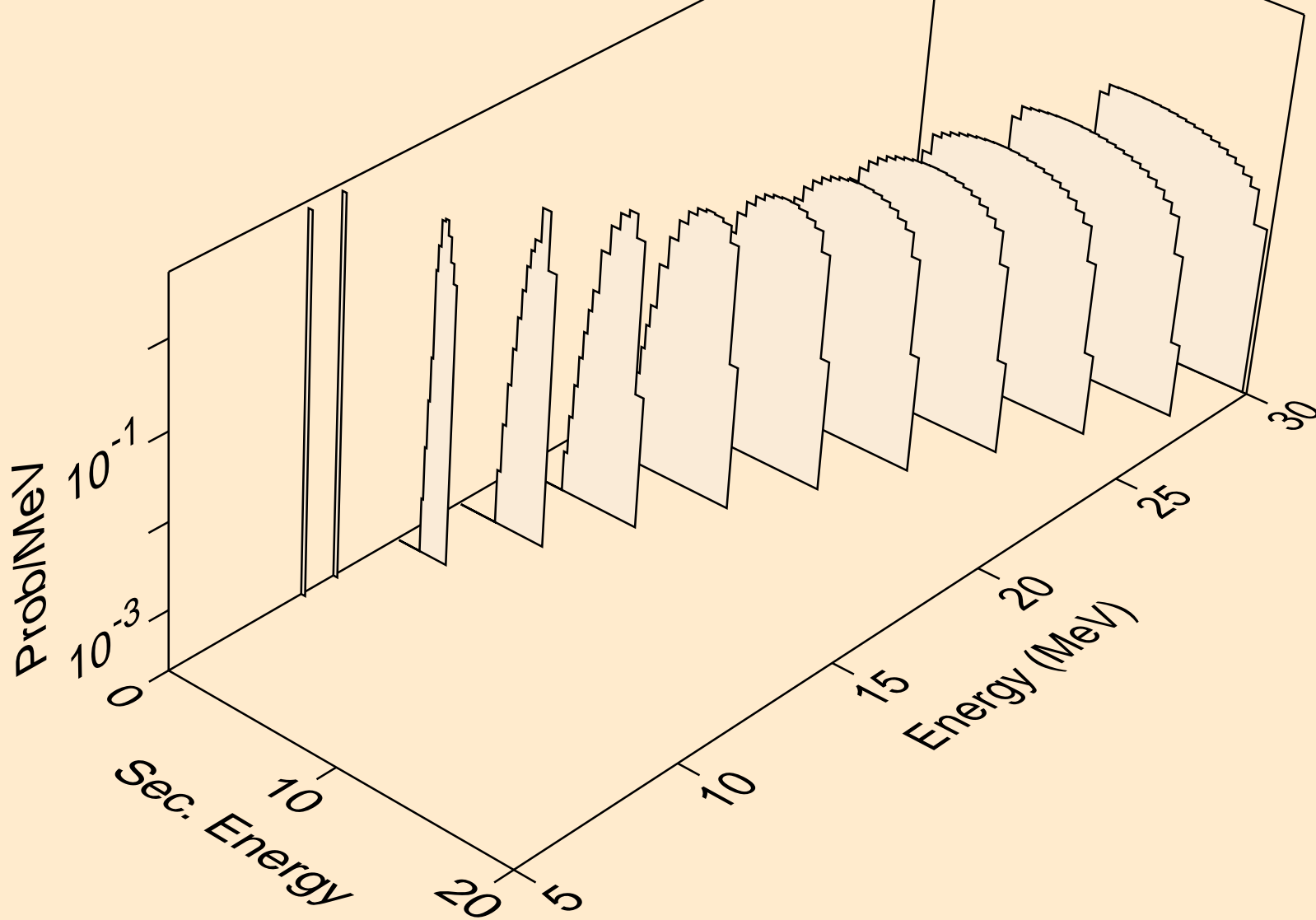


KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
tritons from (n,n\*)t

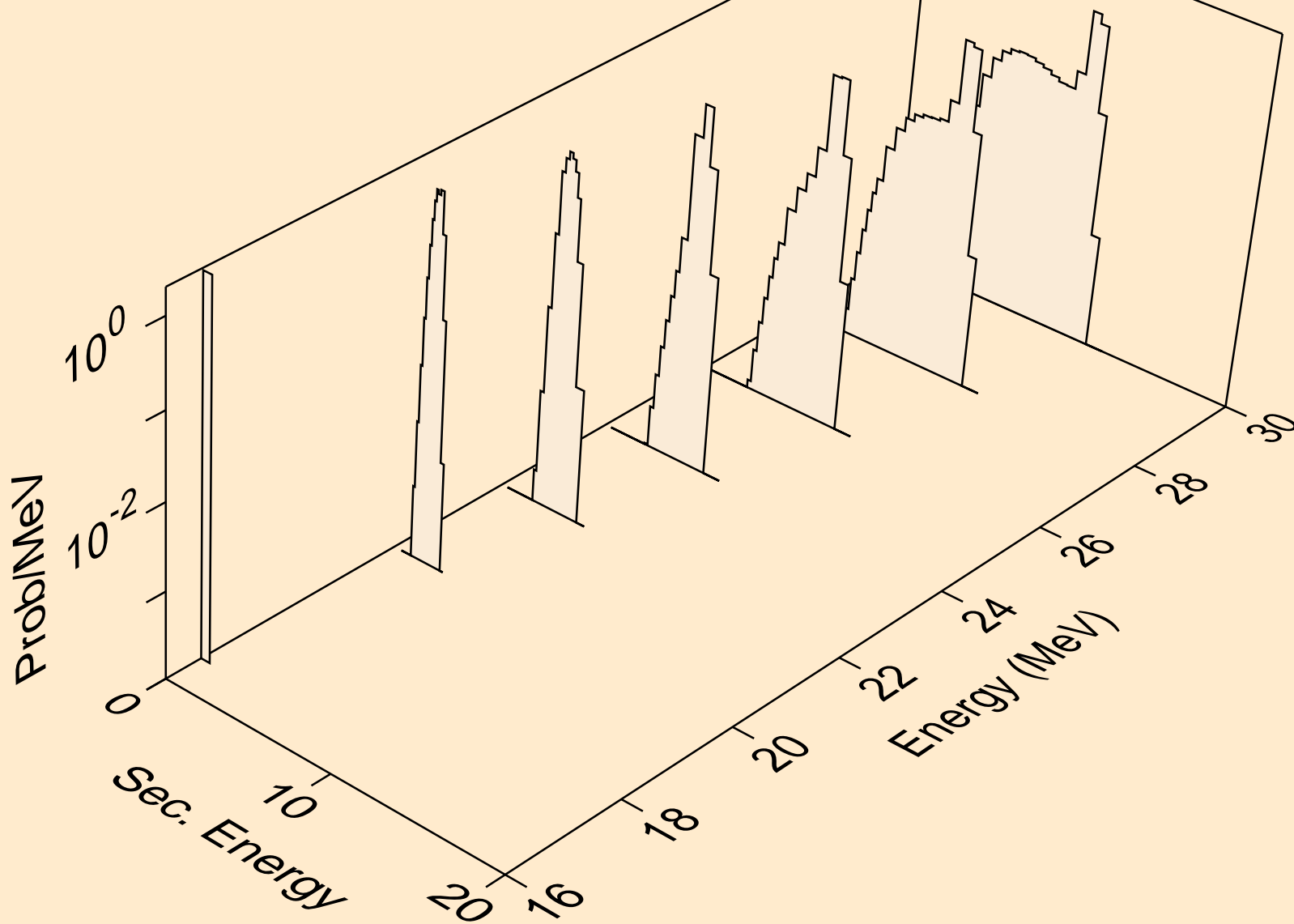




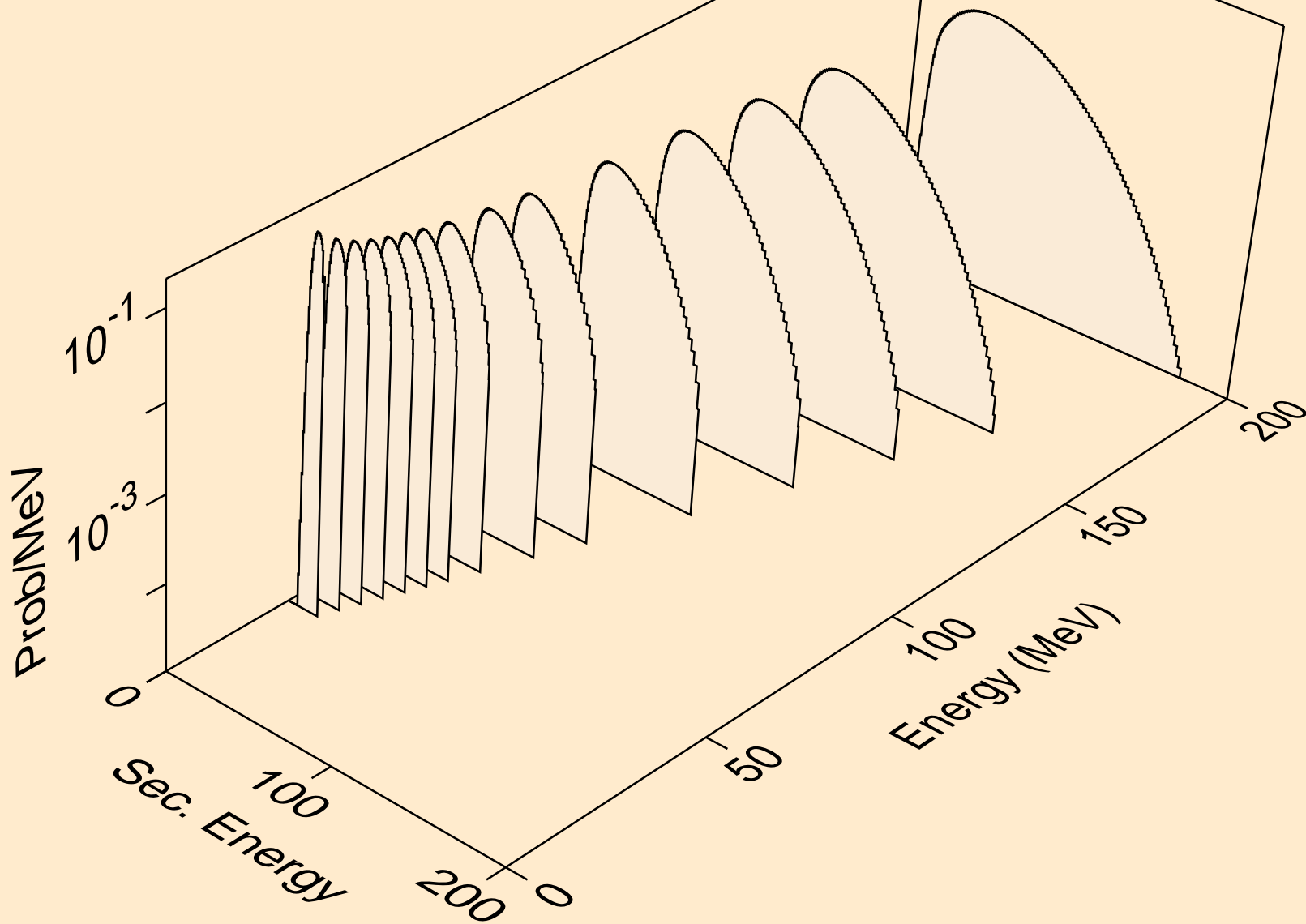
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tritons from (n,t)



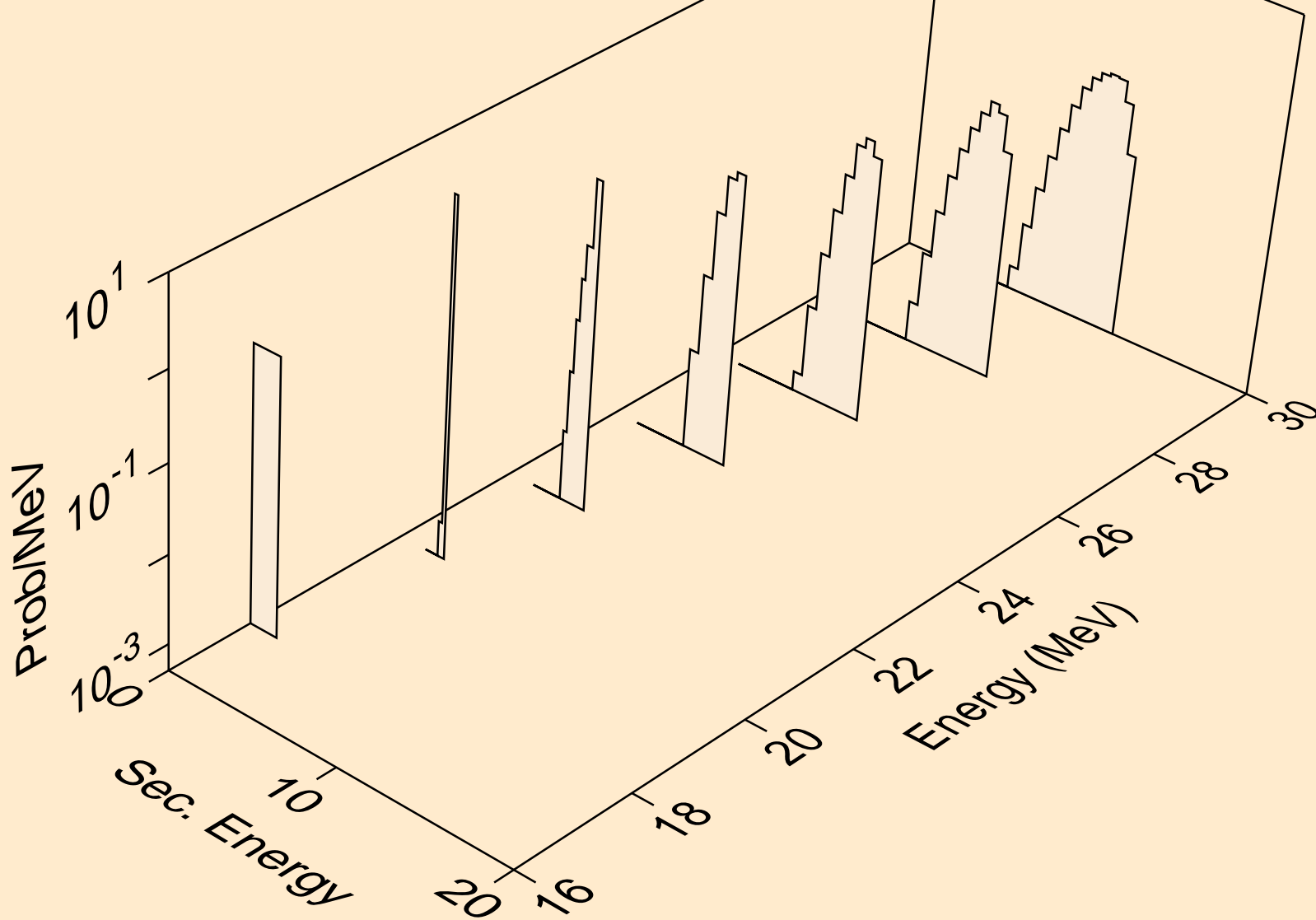
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tritons from (n,pt)



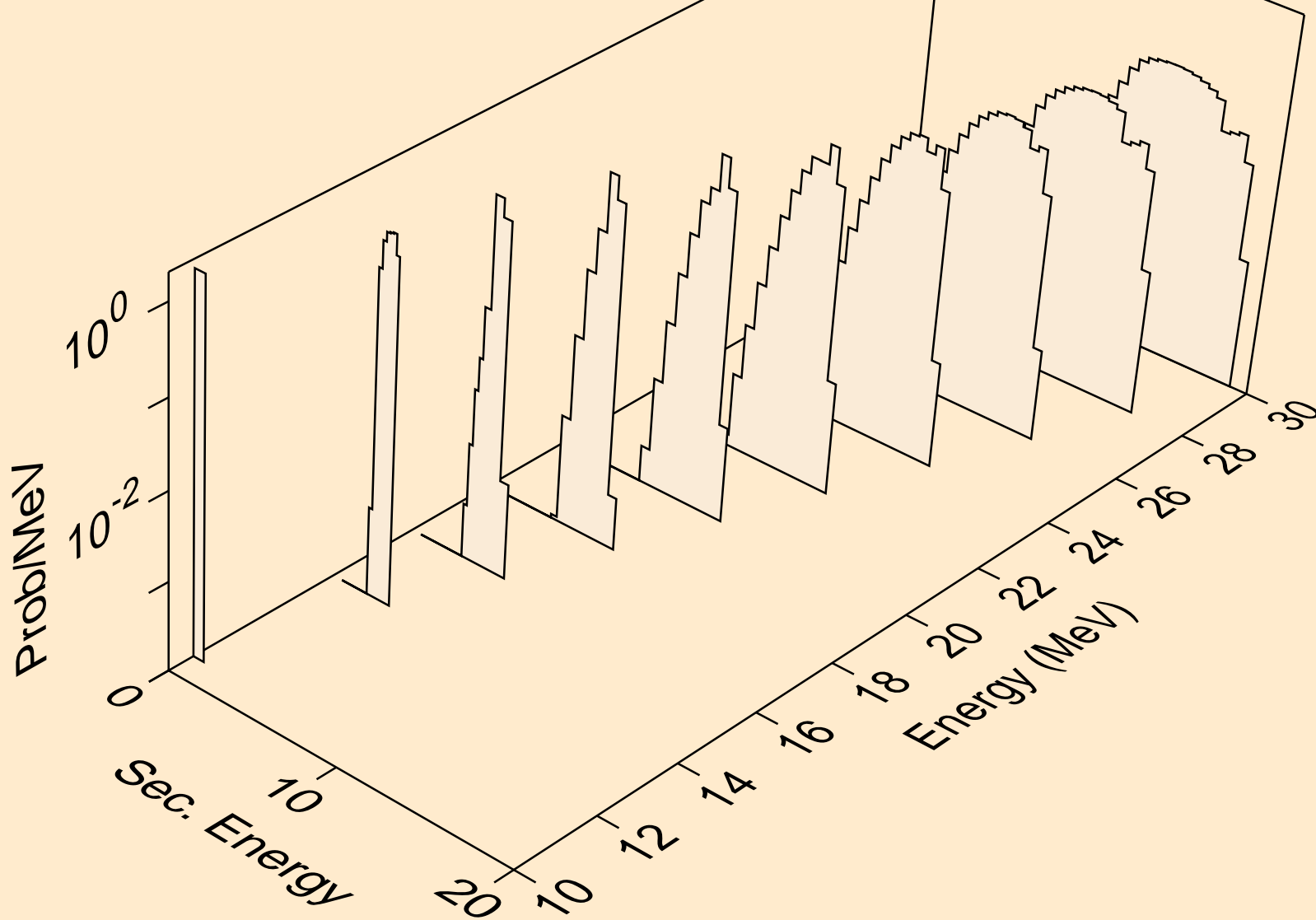
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he3s from (n,x)



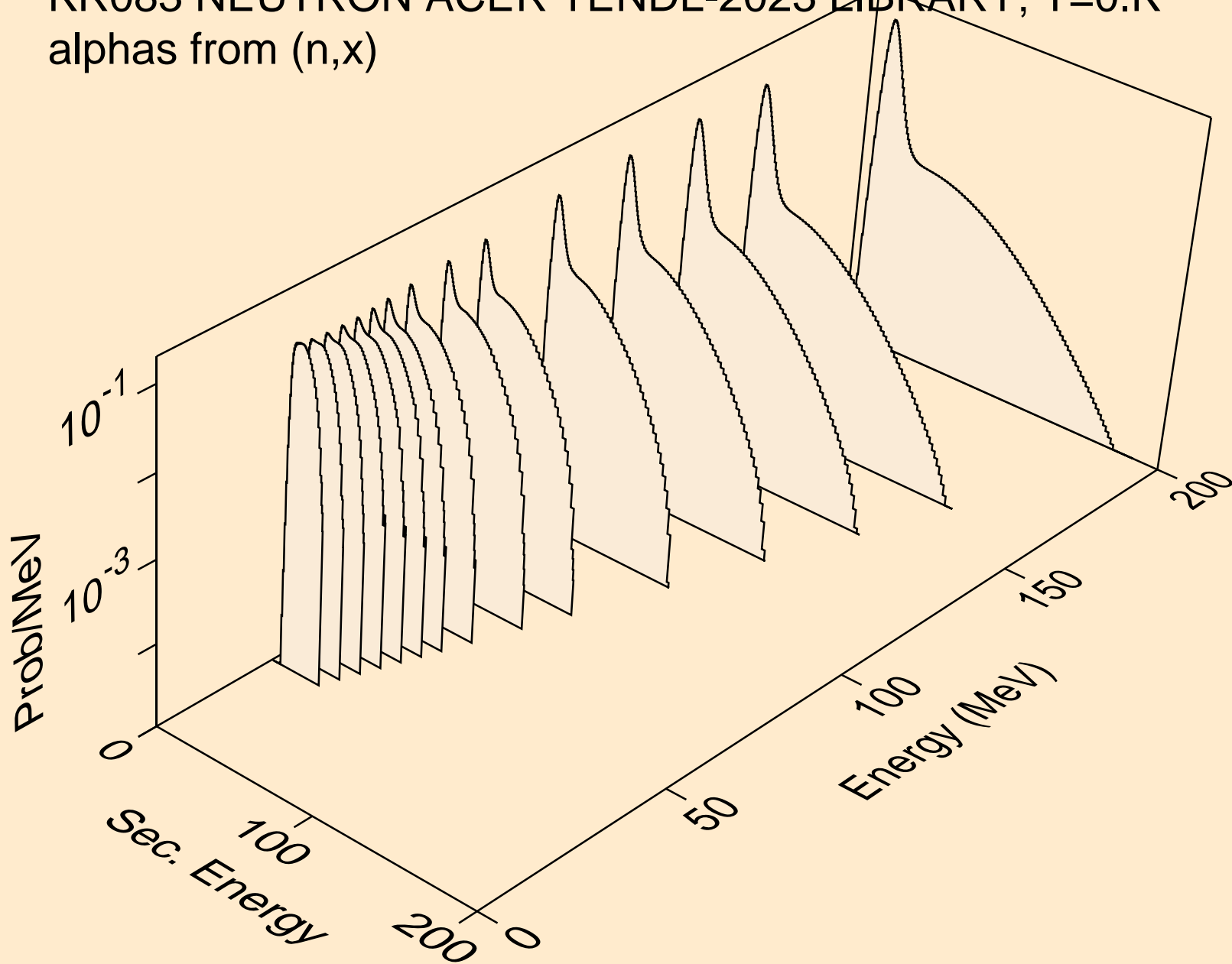
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he3s from (n,n\*)he3



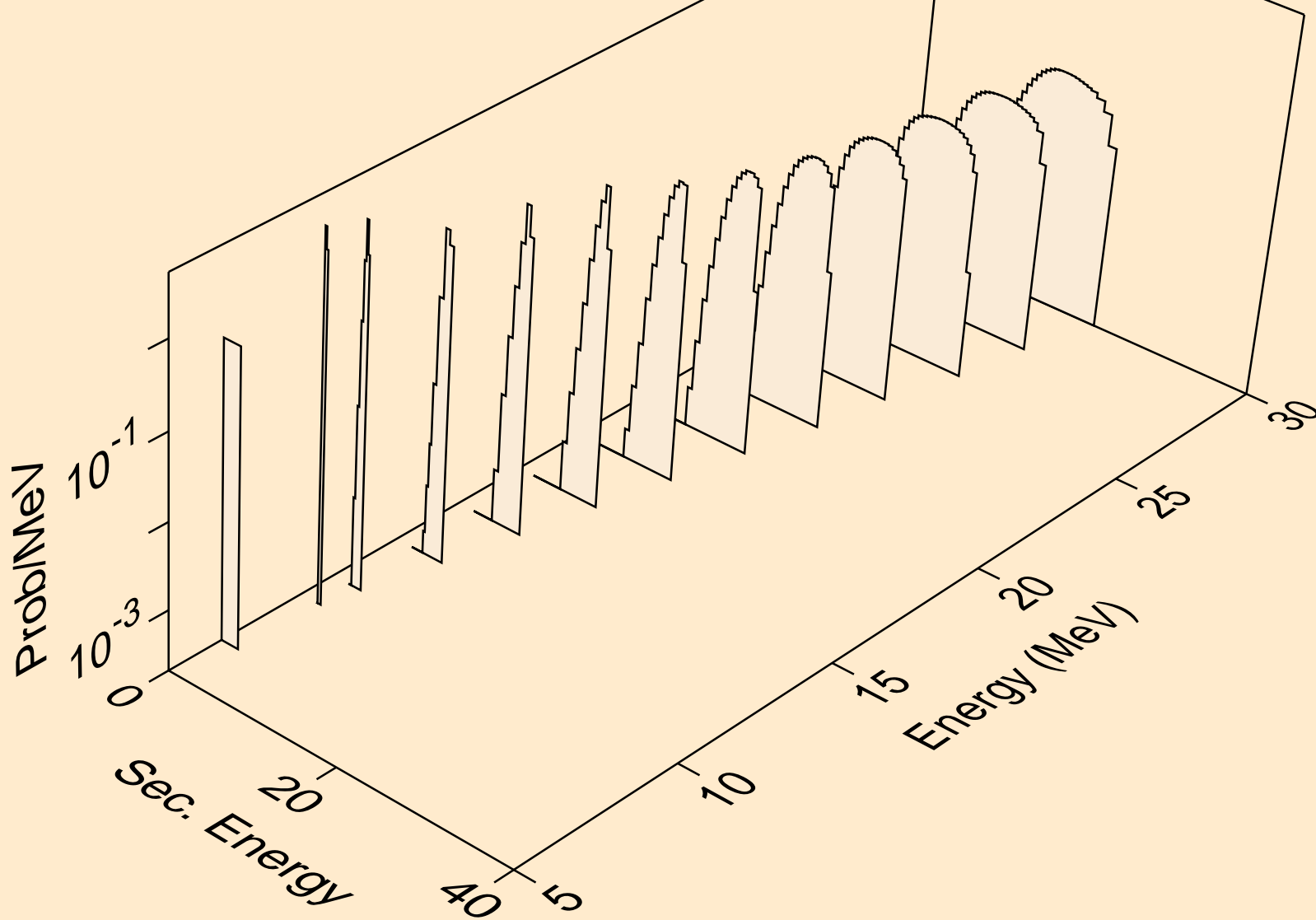
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he3s from (n,he3)



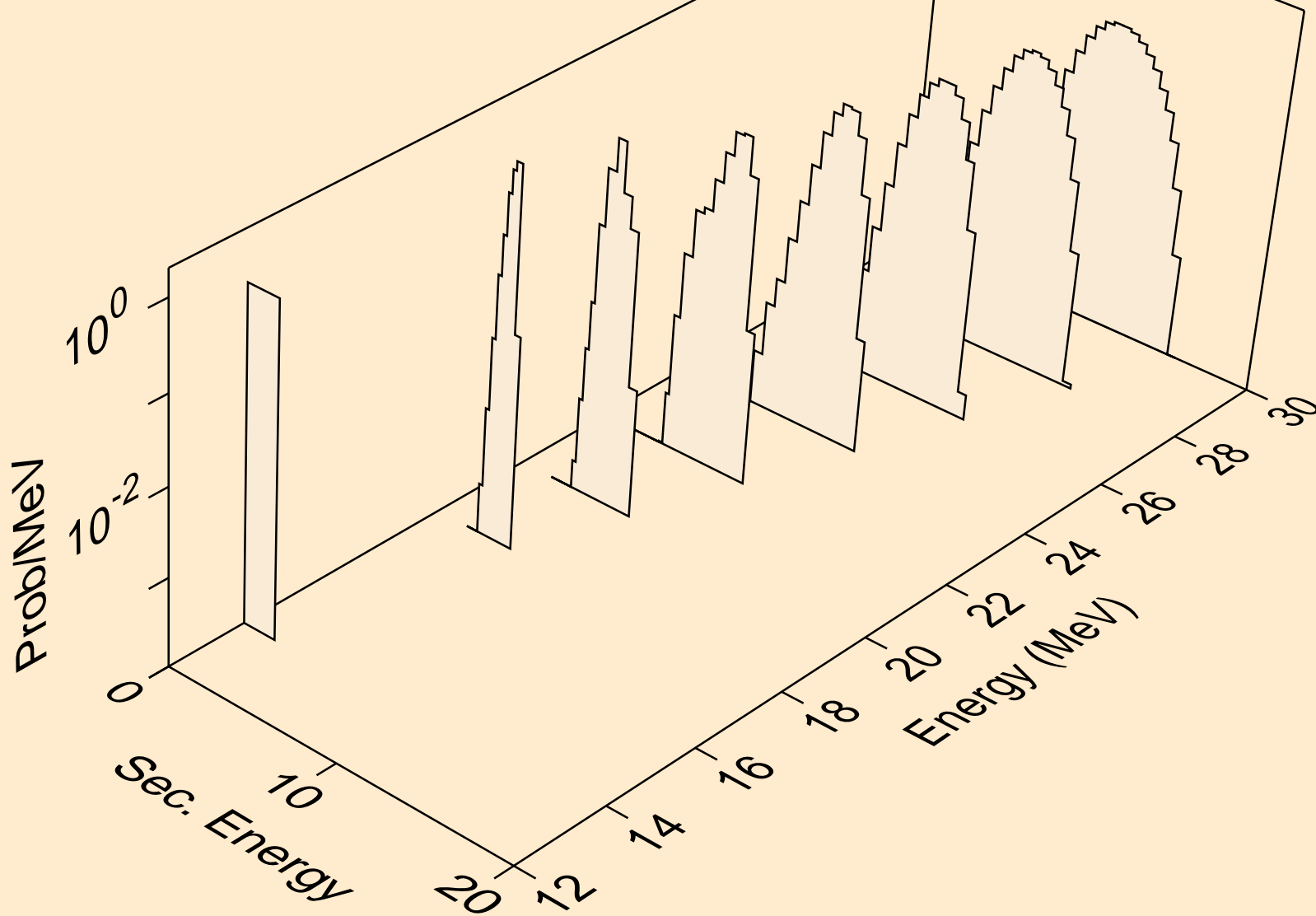
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,x)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,n\*)a

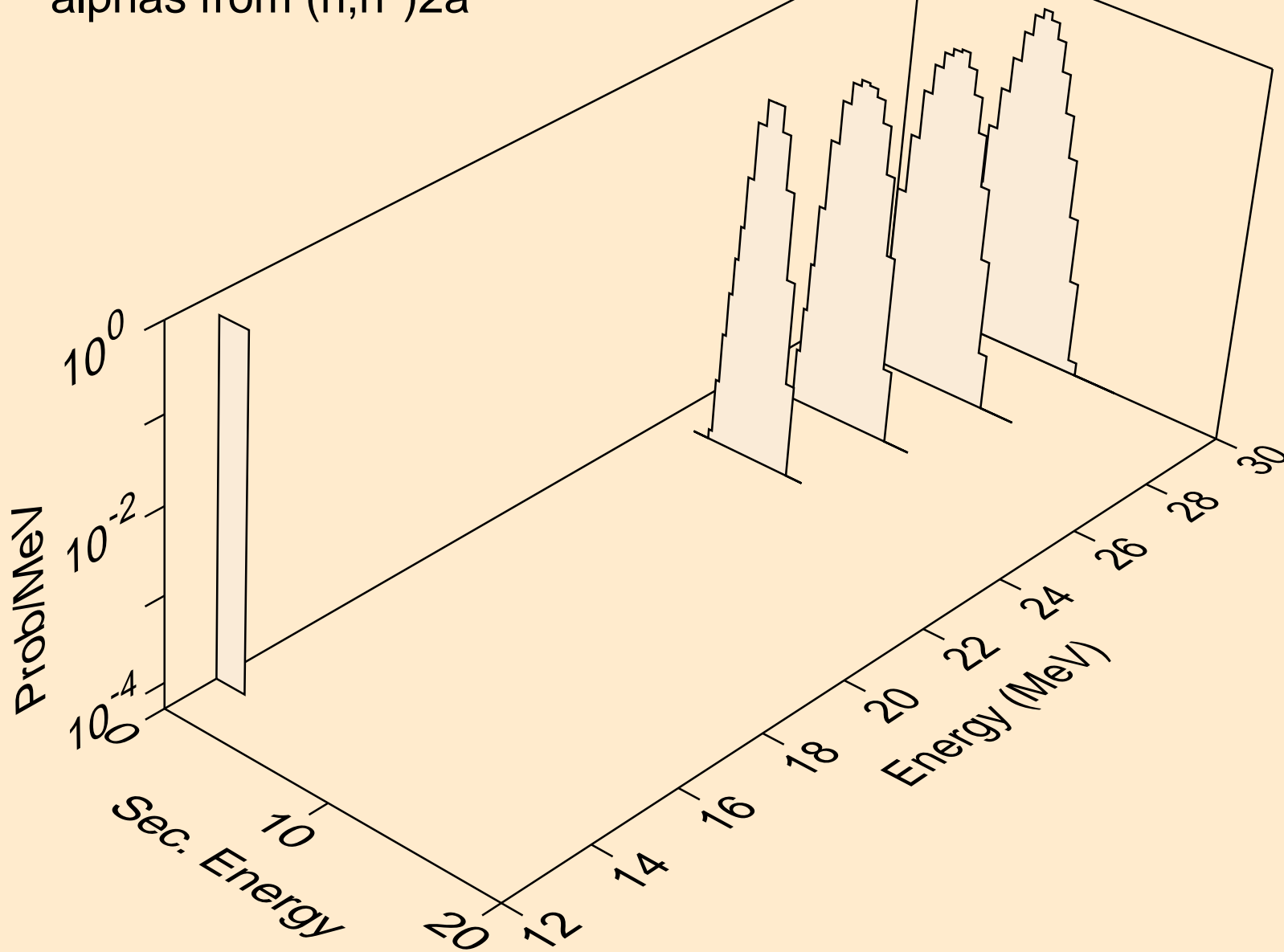


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alphas from (n,2n)a

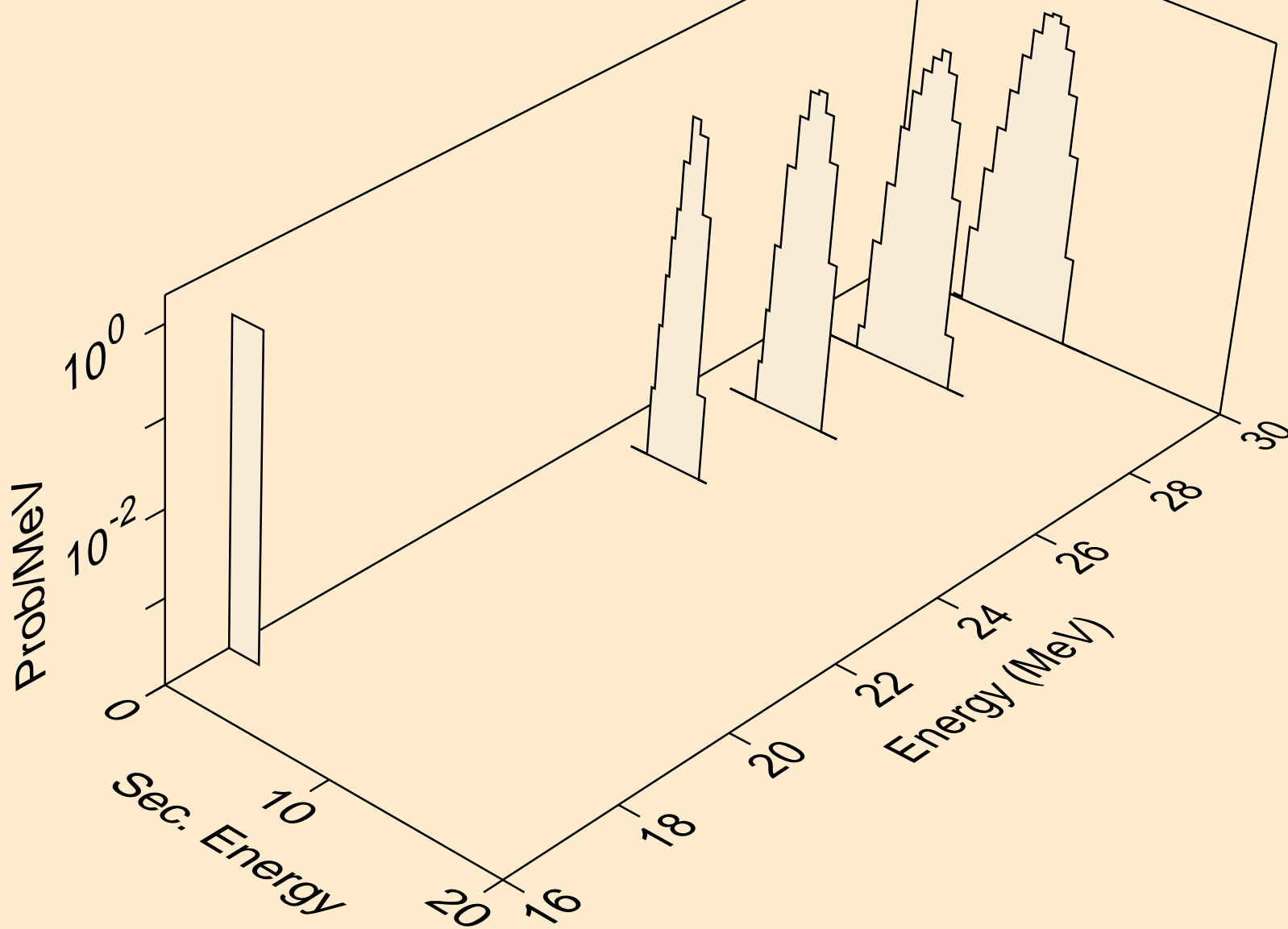




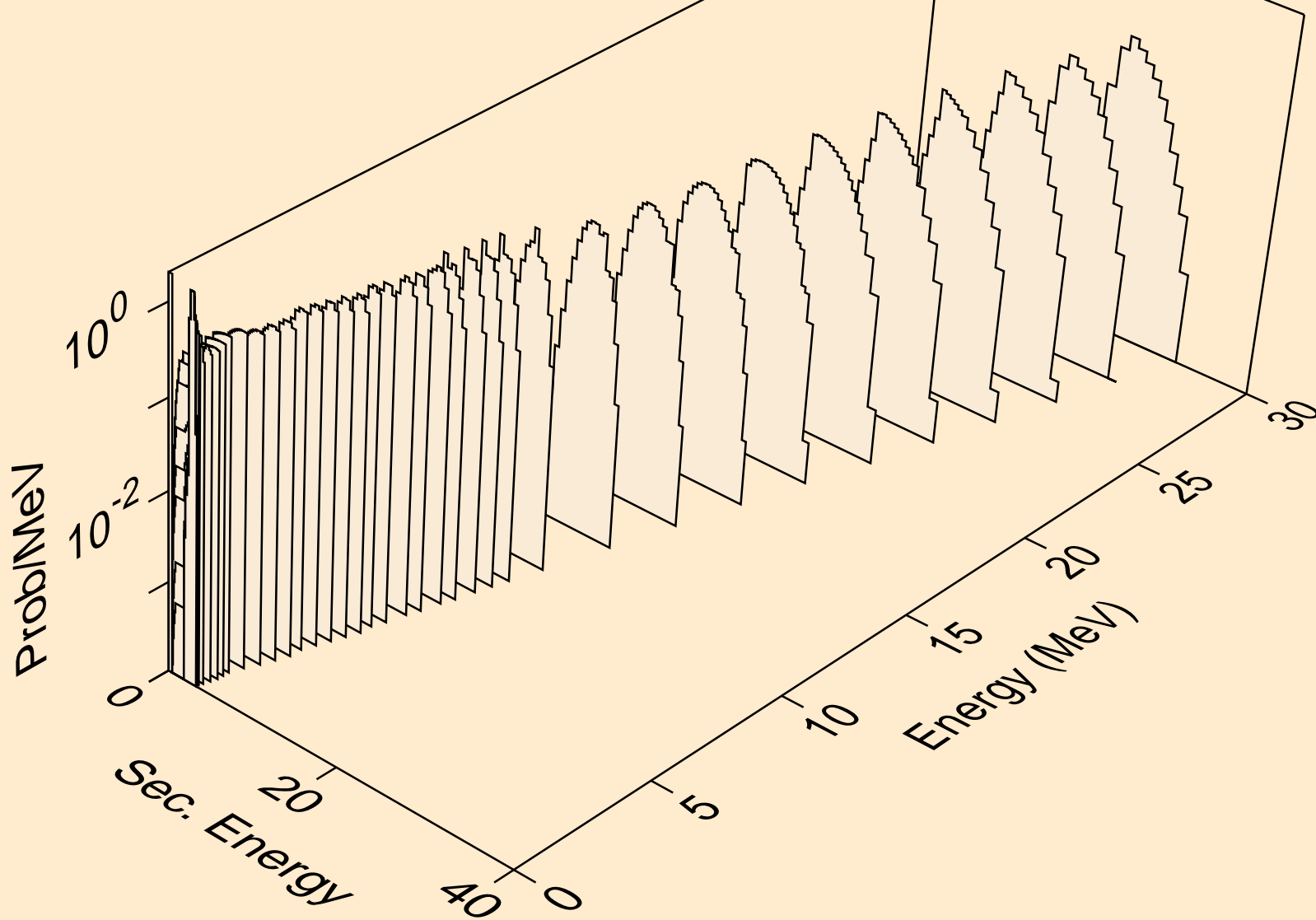
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alphas from (n,n\*)2a



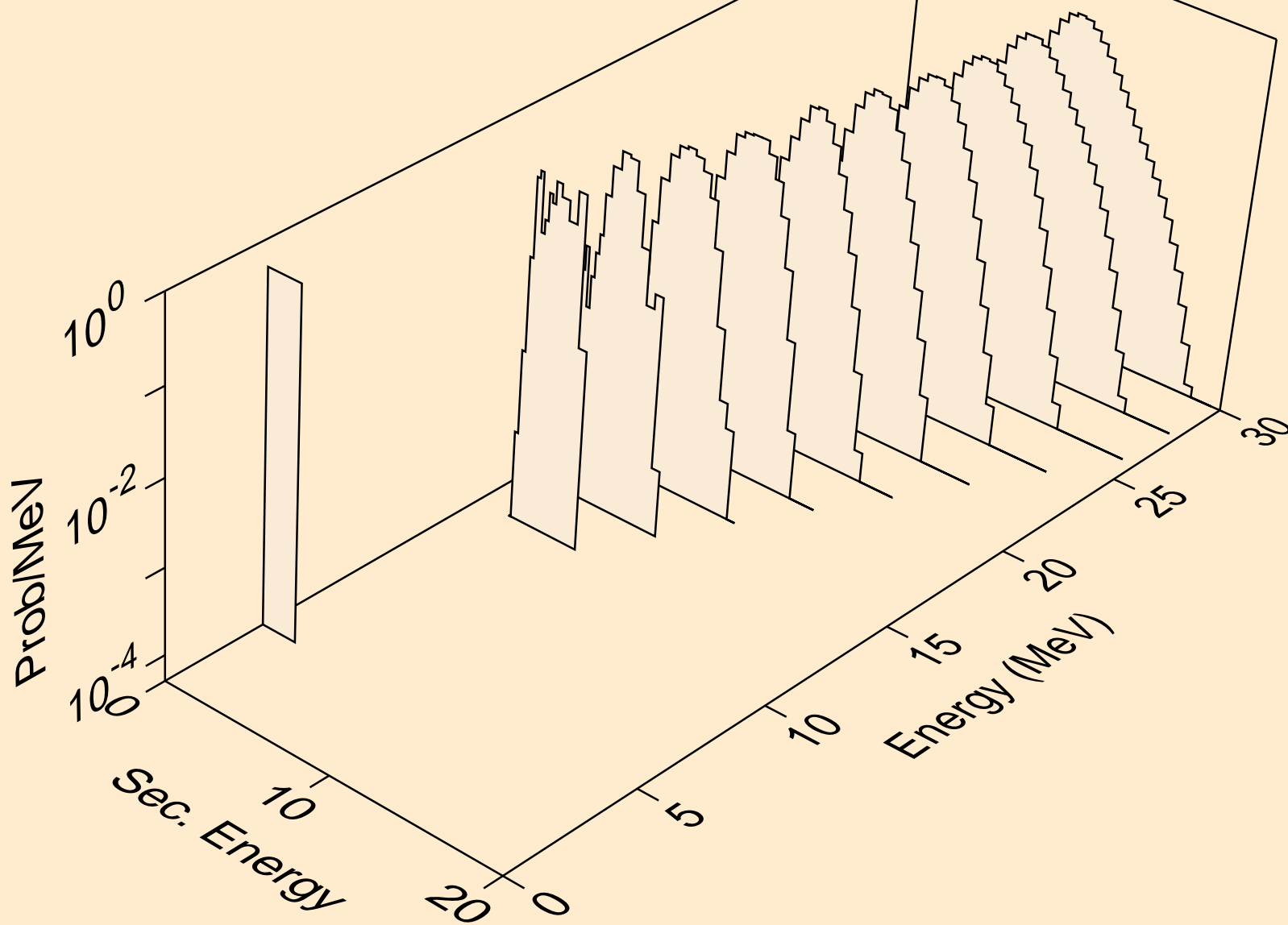
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alphas from (n,npa)



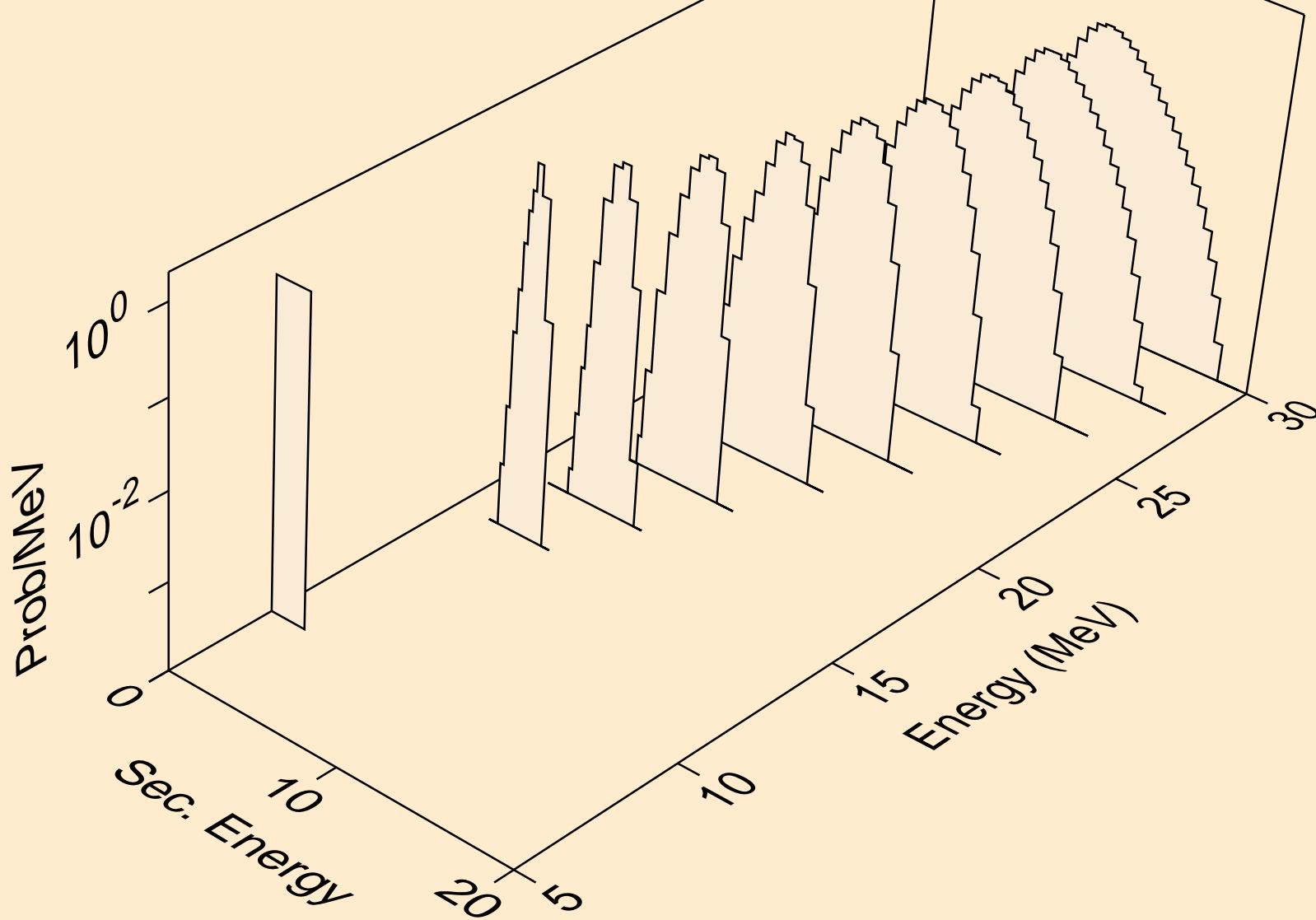
KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,a)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,2a)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,pa)



KR083 NEUTRON ACER TENDL-2023 LIBRARY; T=0.K  
alphas from (n,da)

