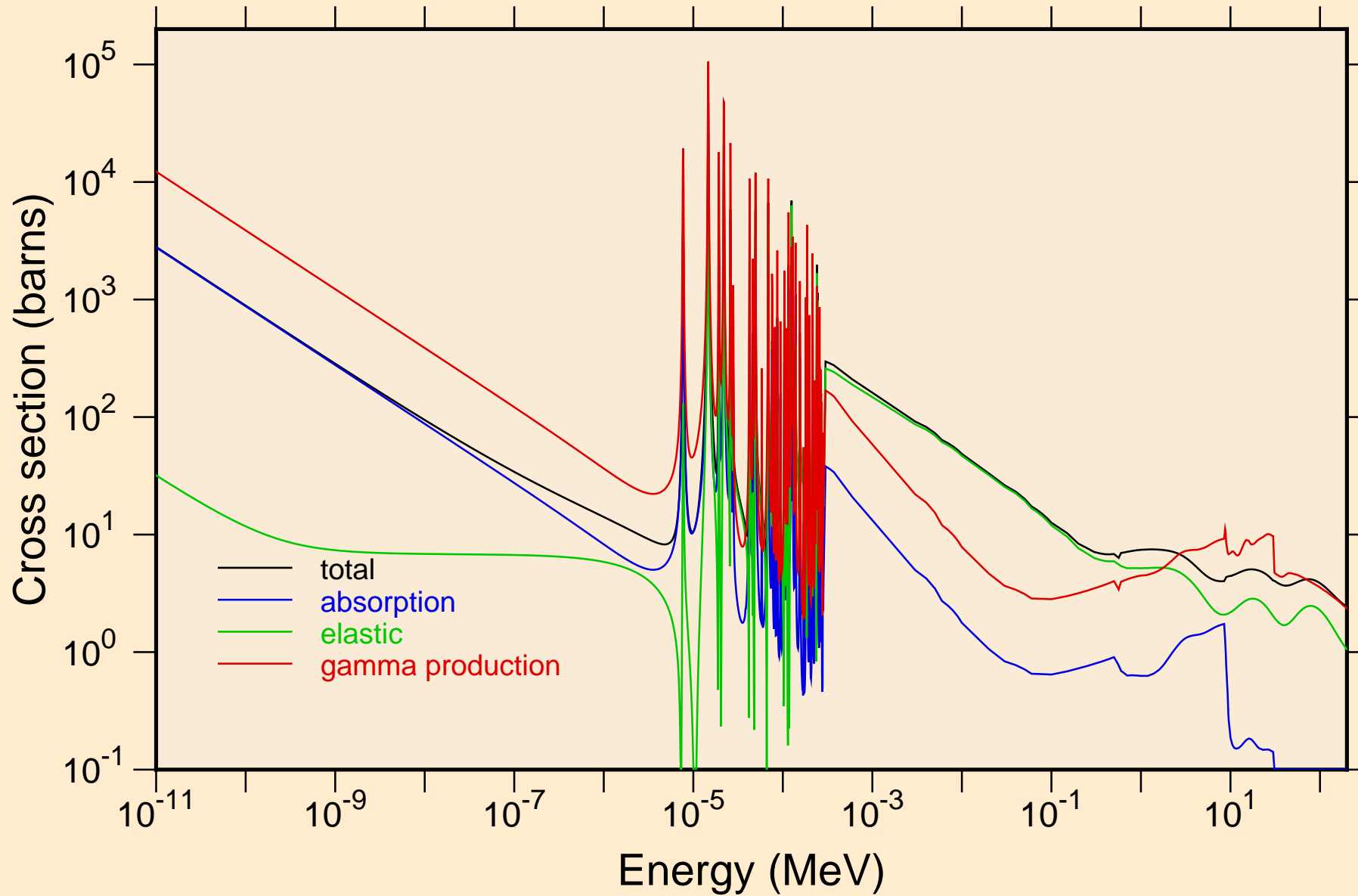
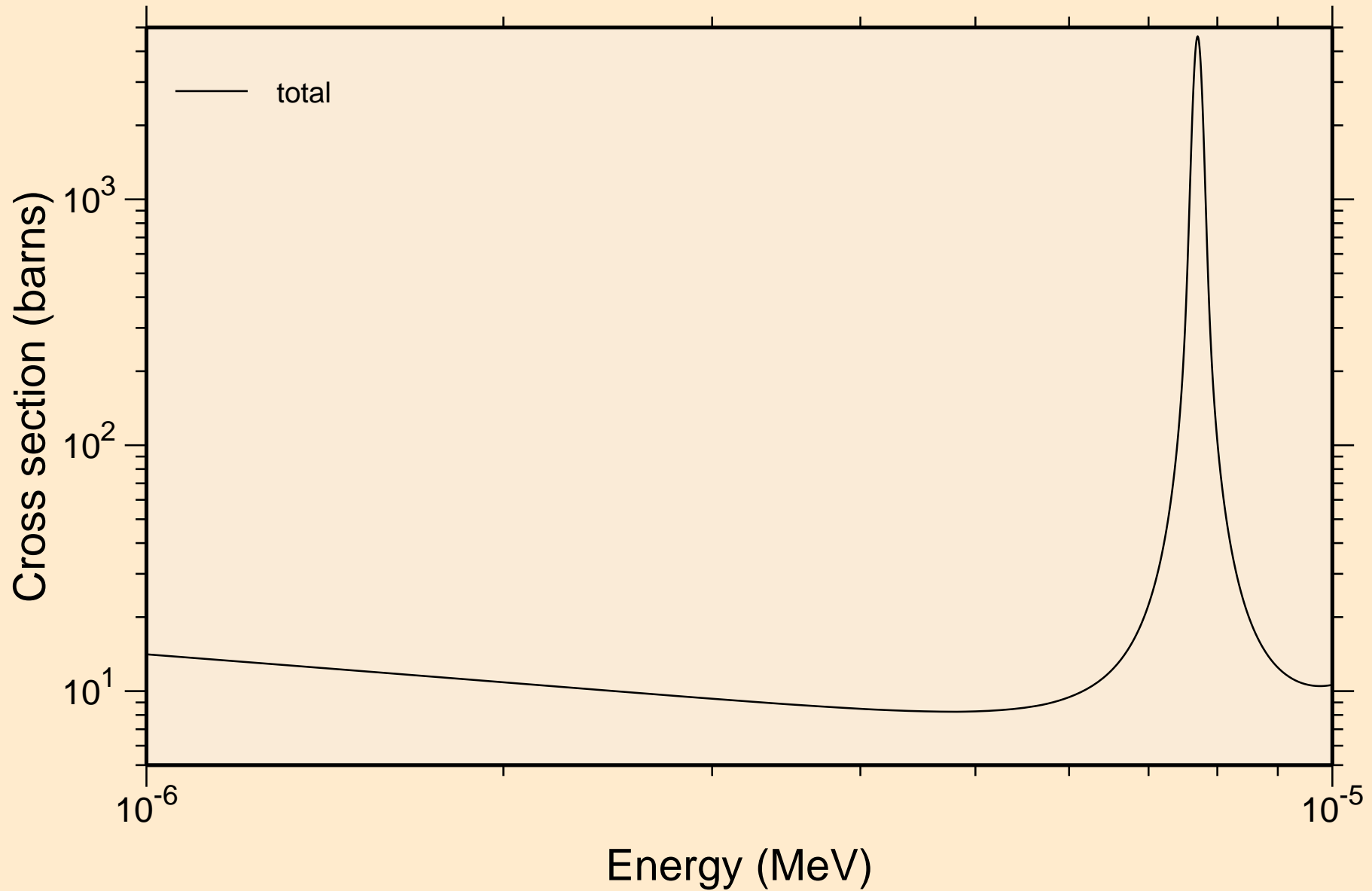


# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

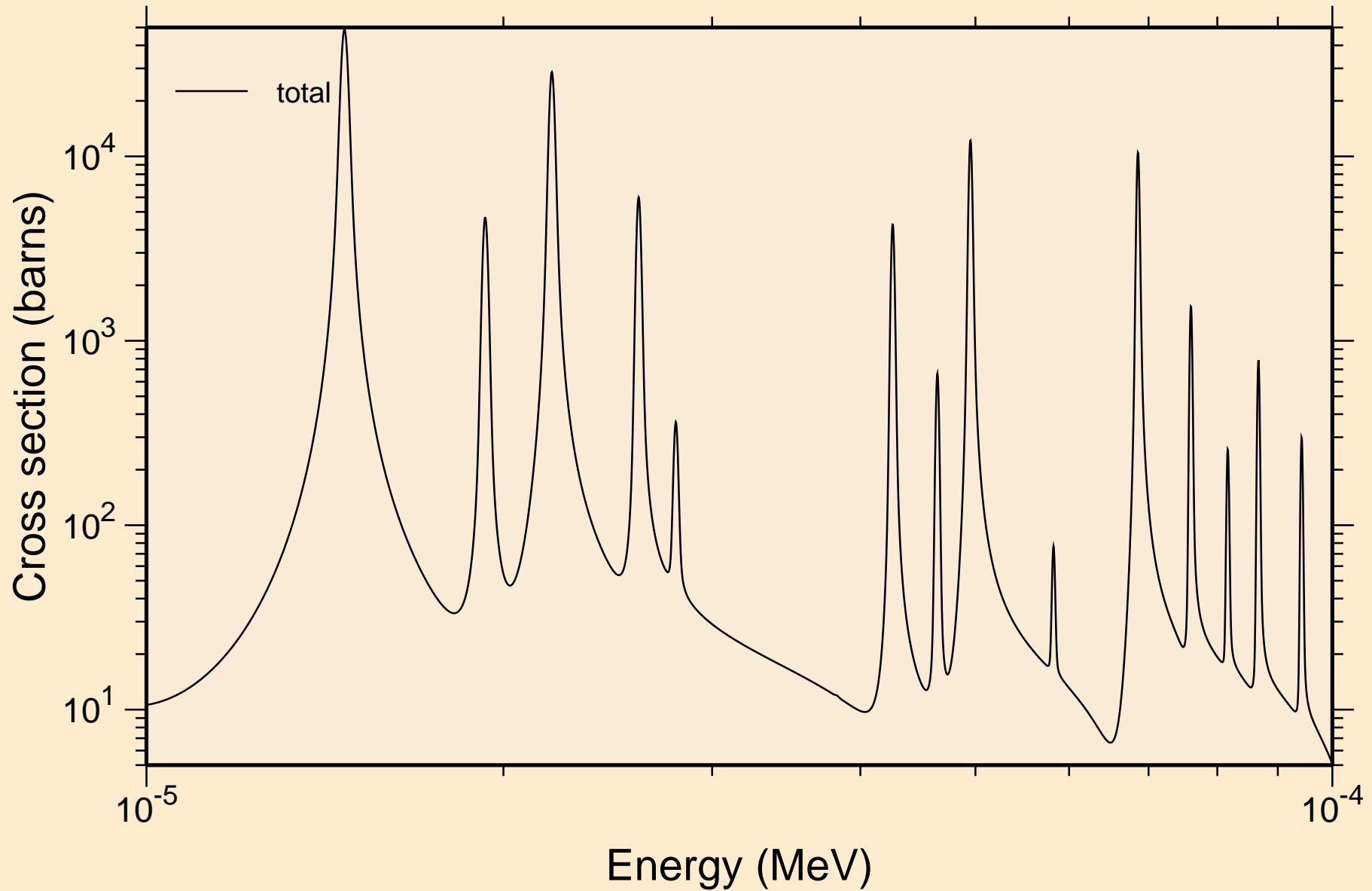
## Principal cross sections



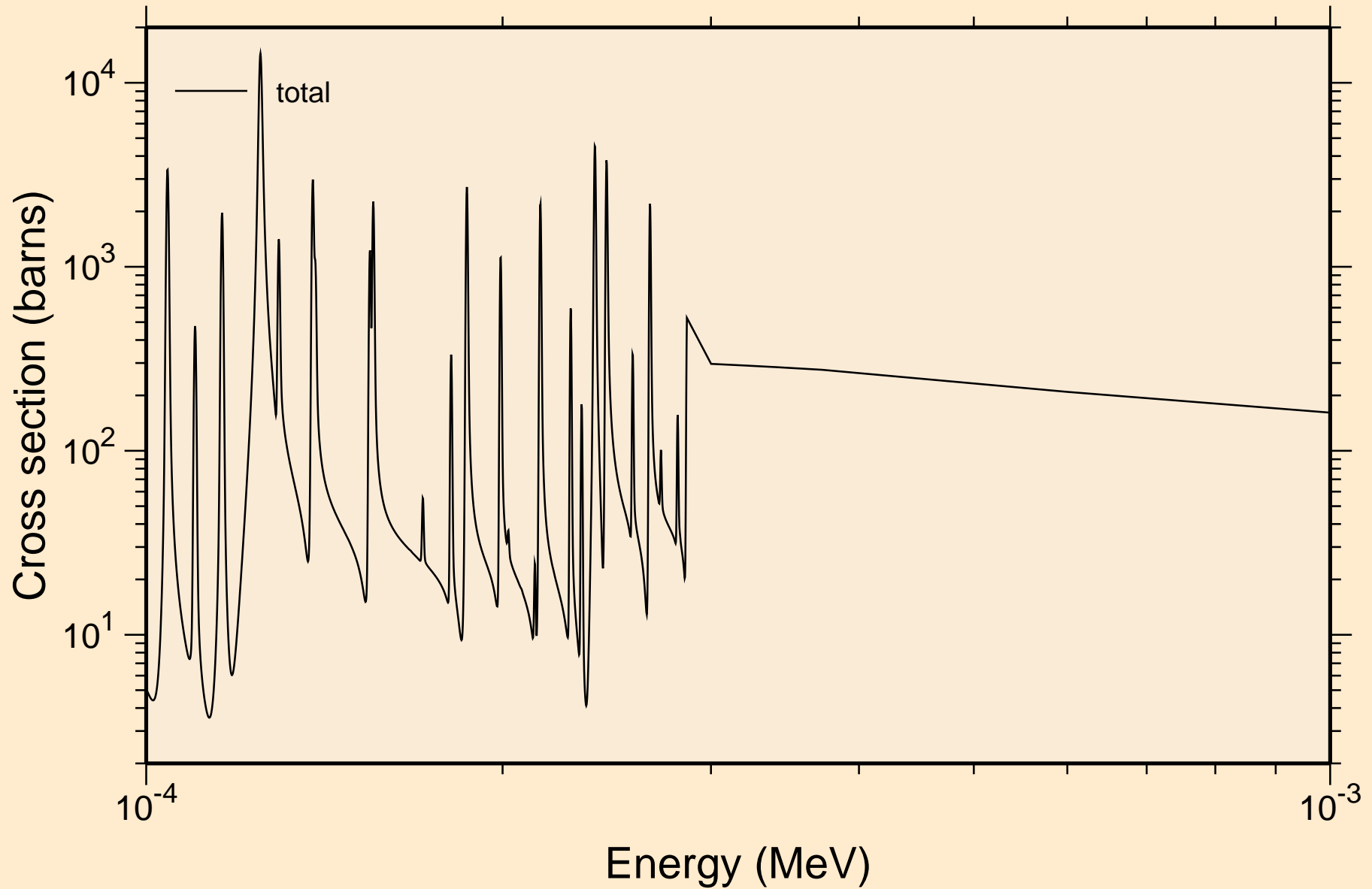
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



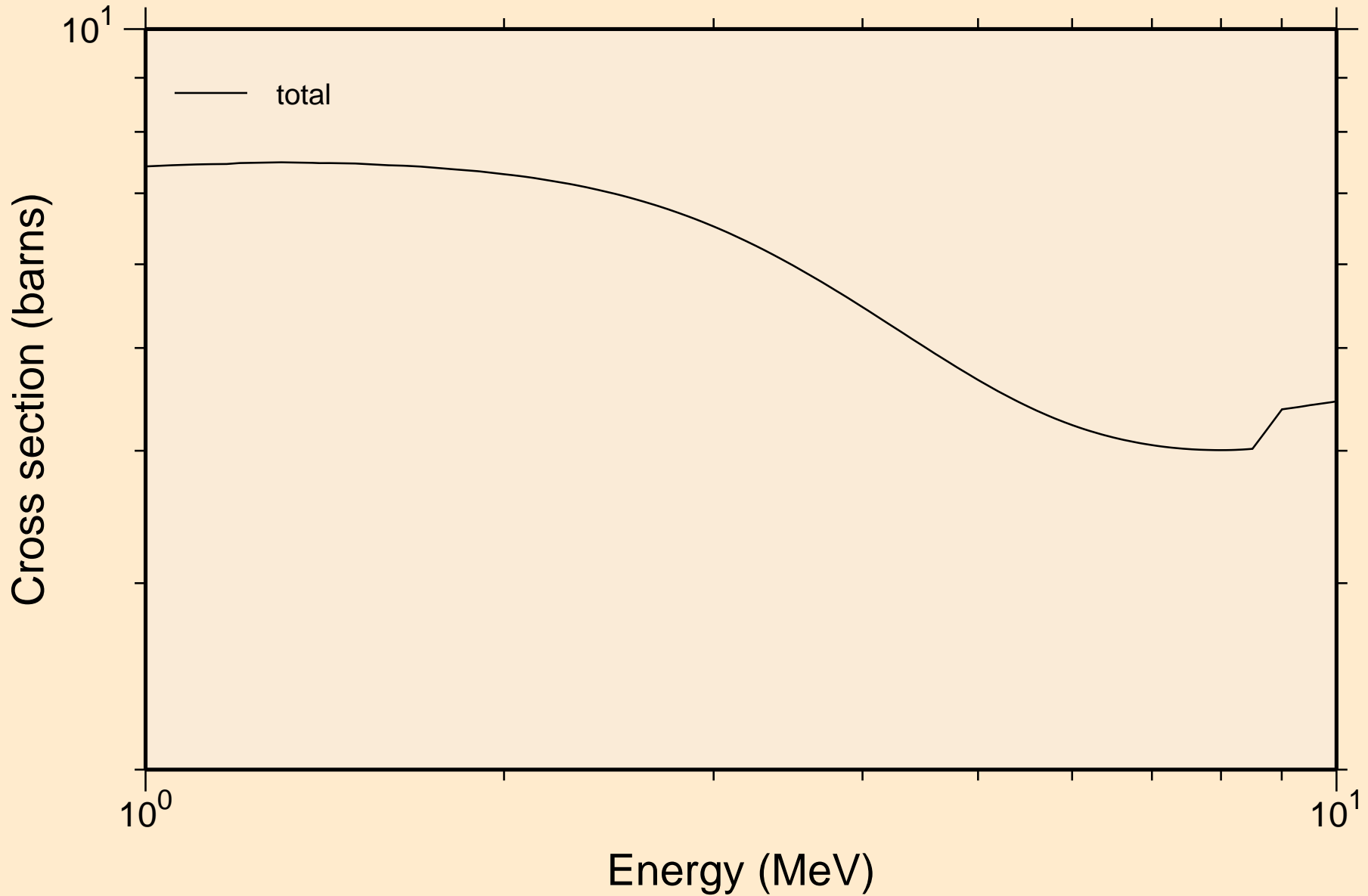
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



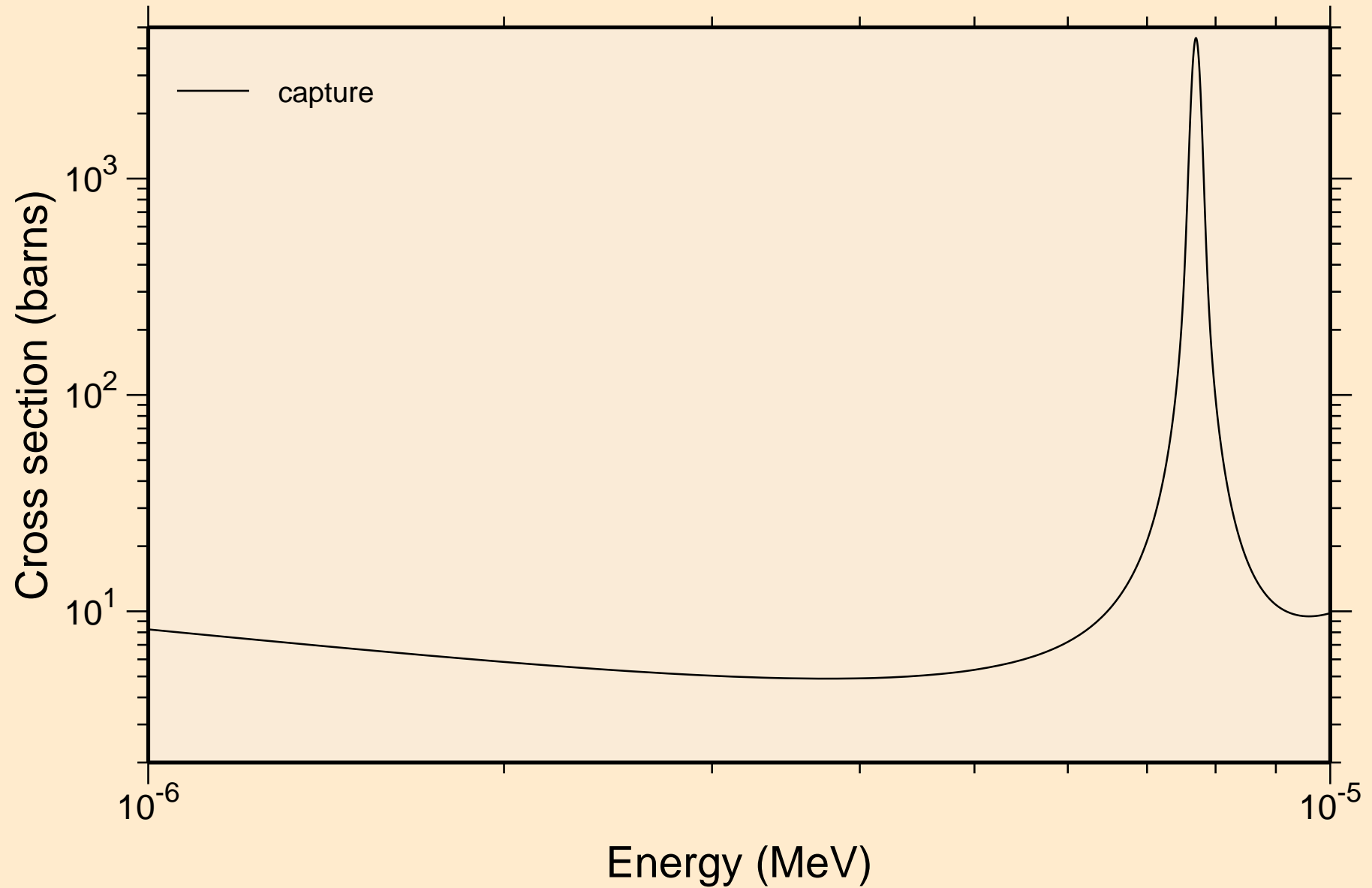
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



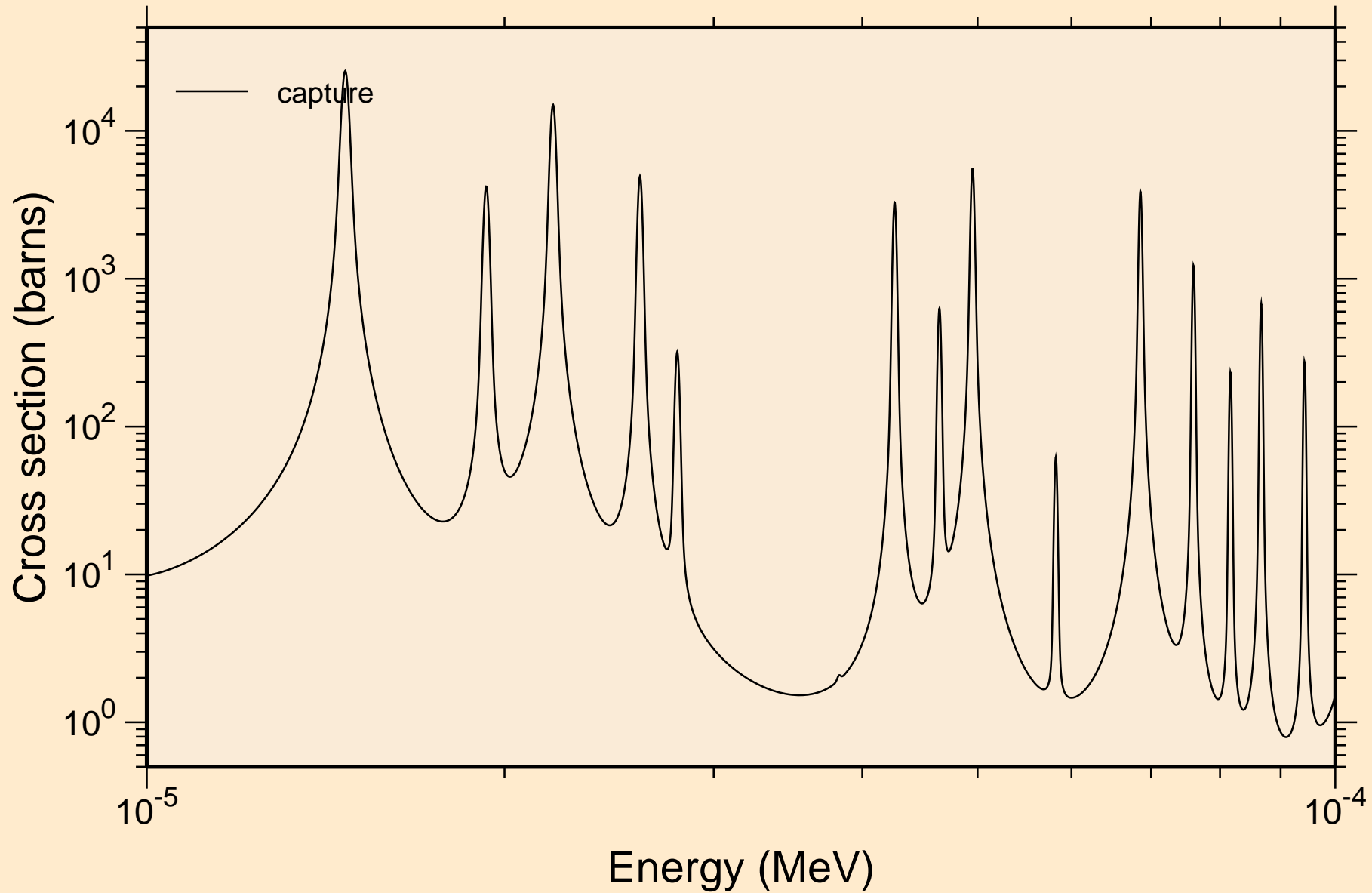
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



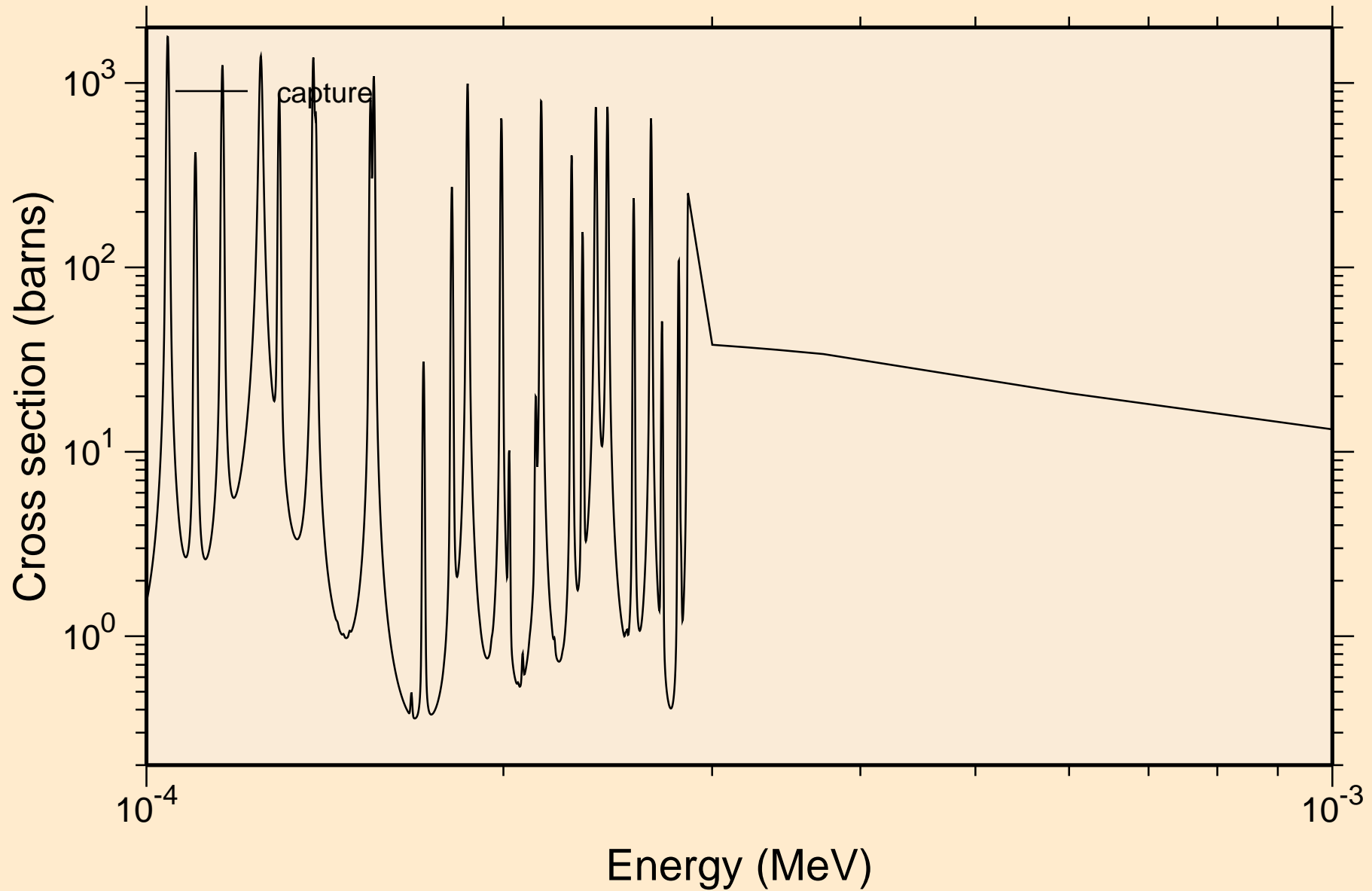
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



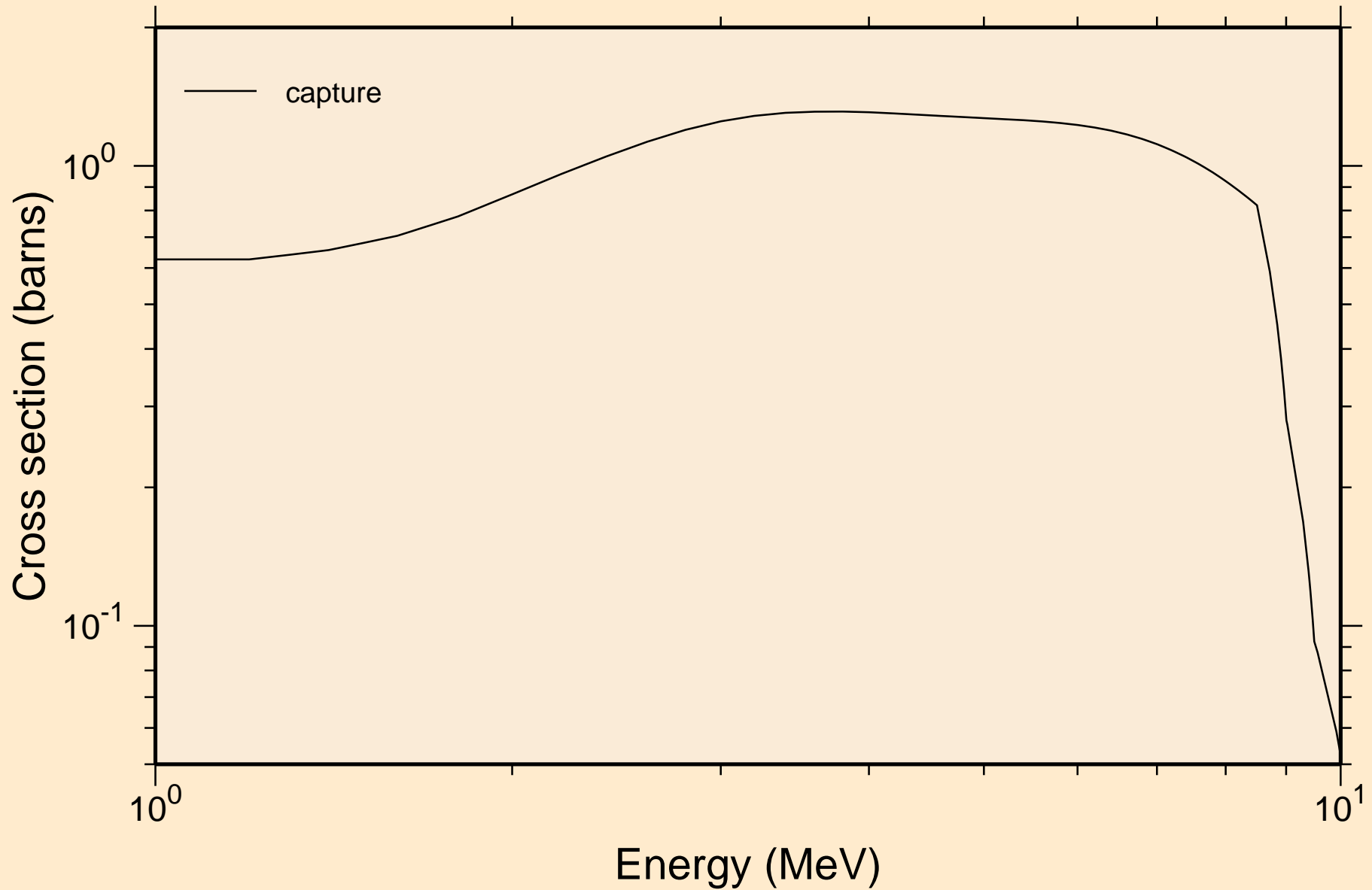
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



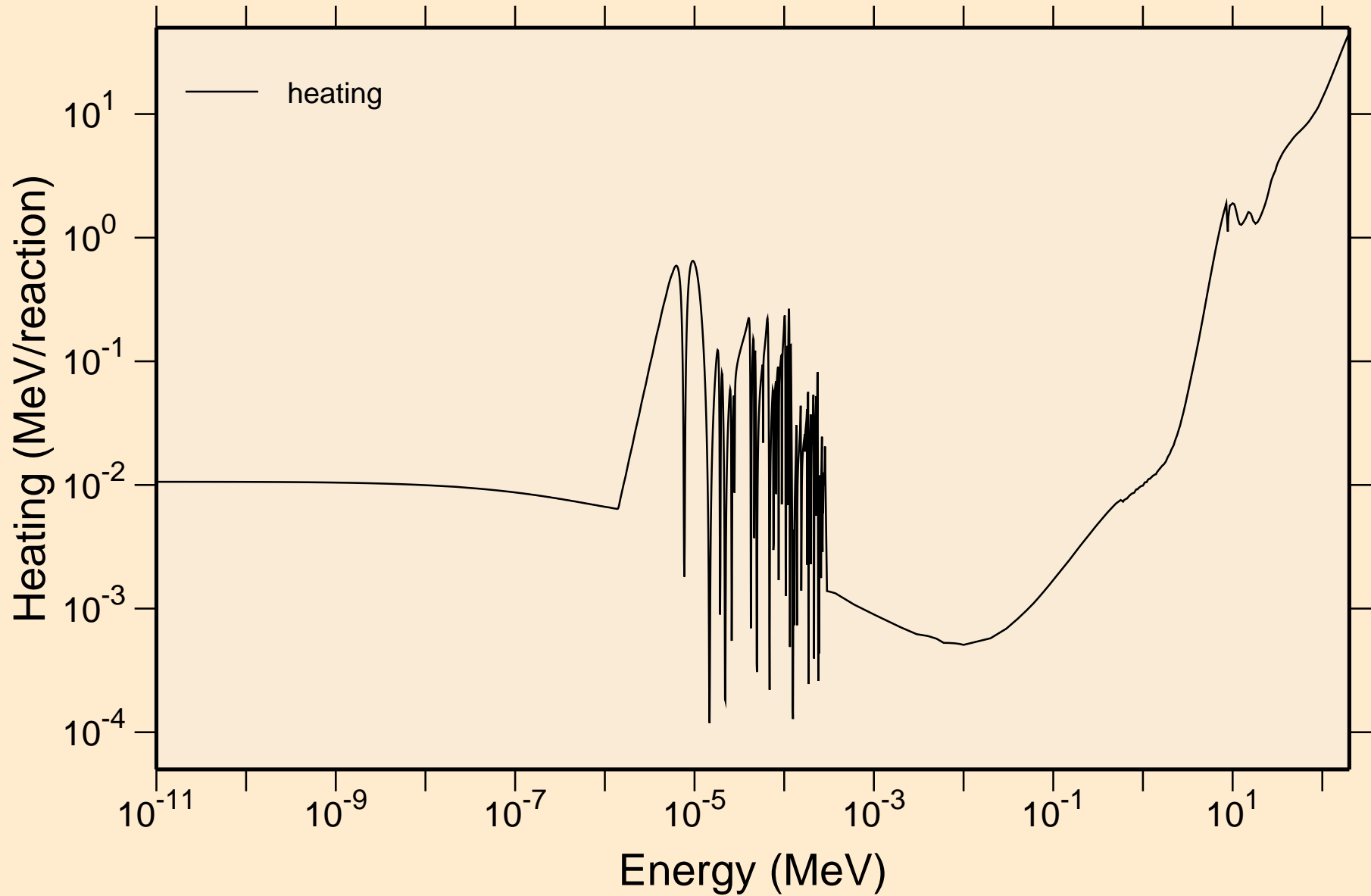
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

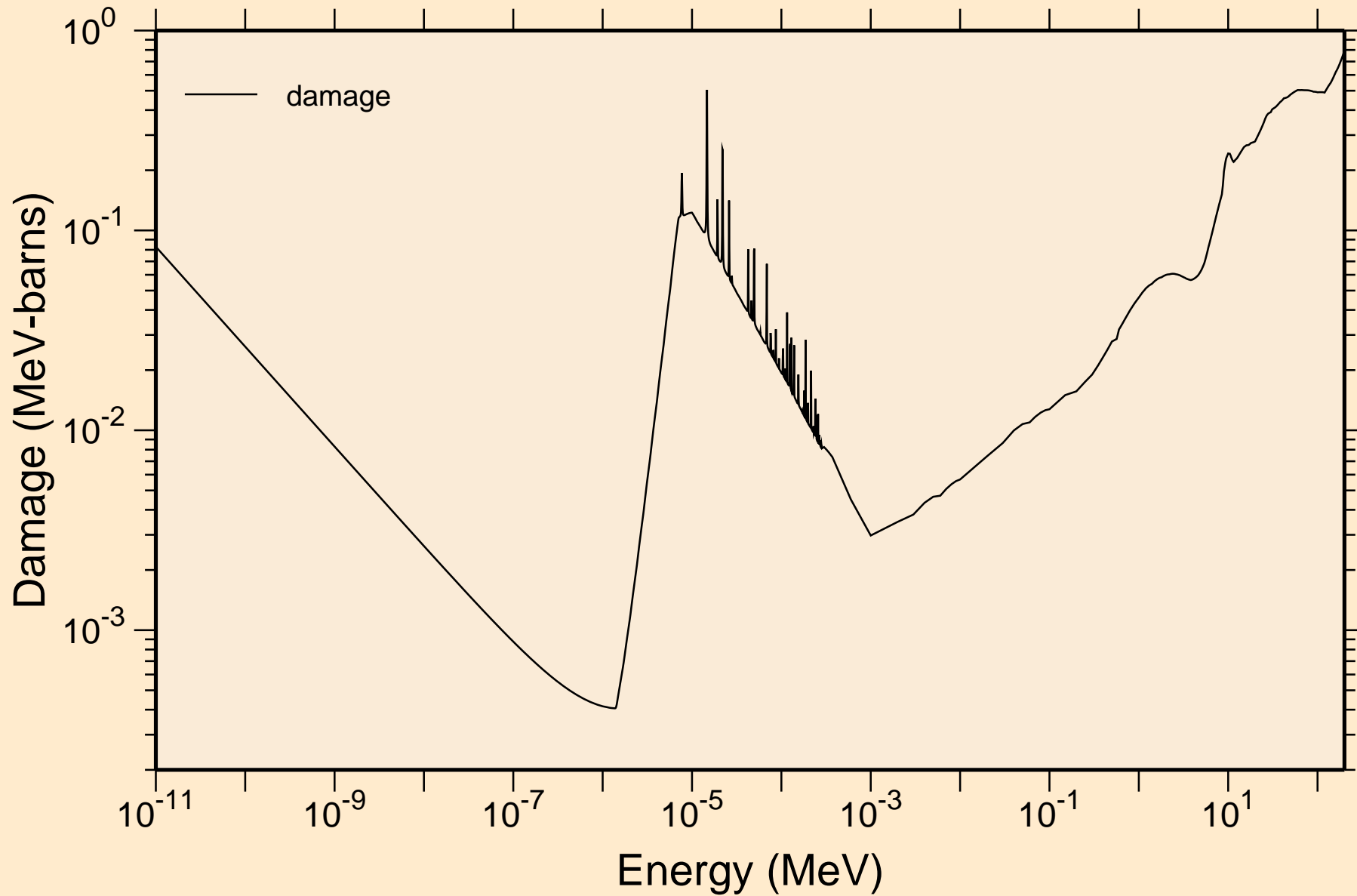


ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Heating



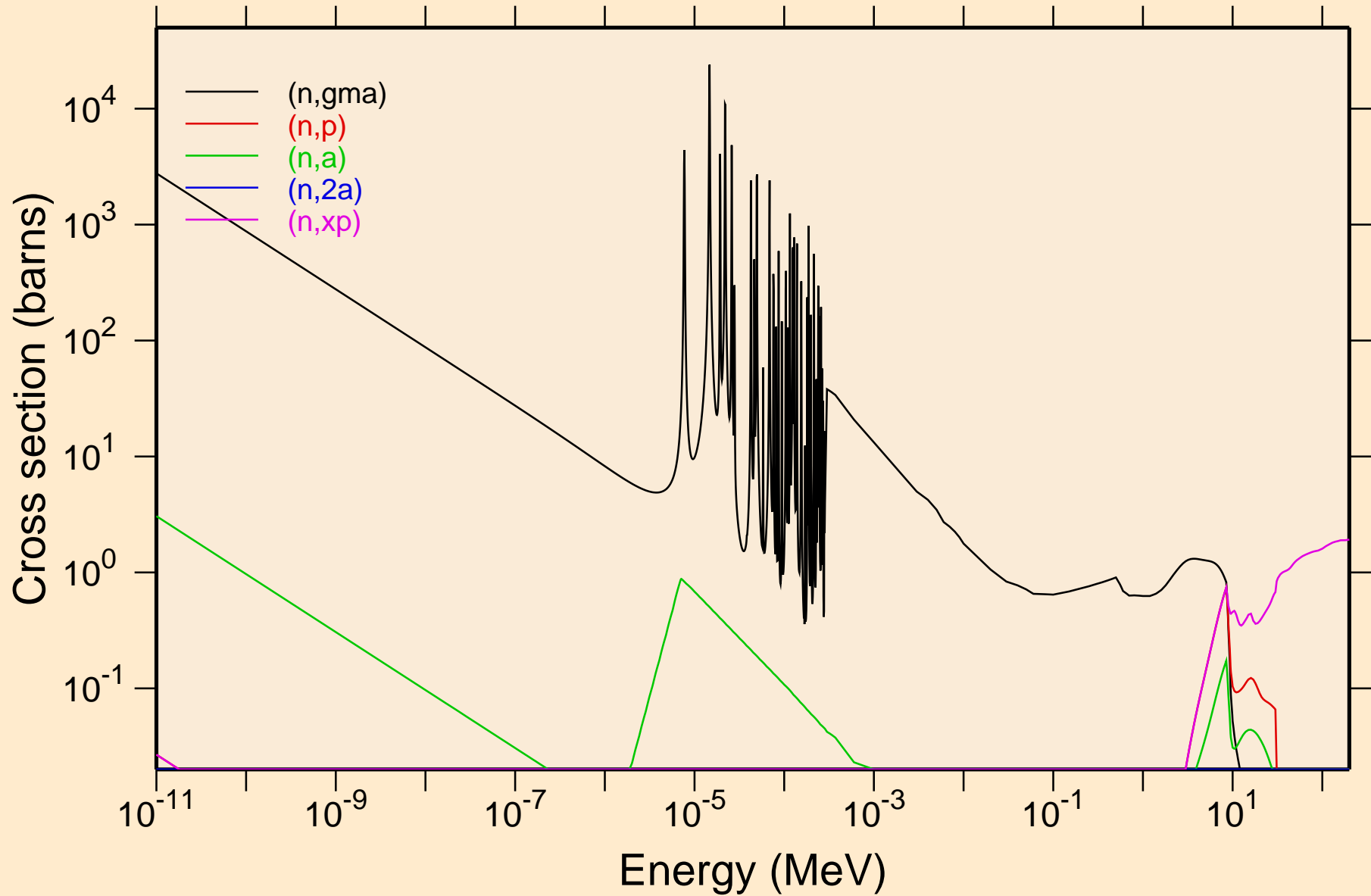
# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Damage

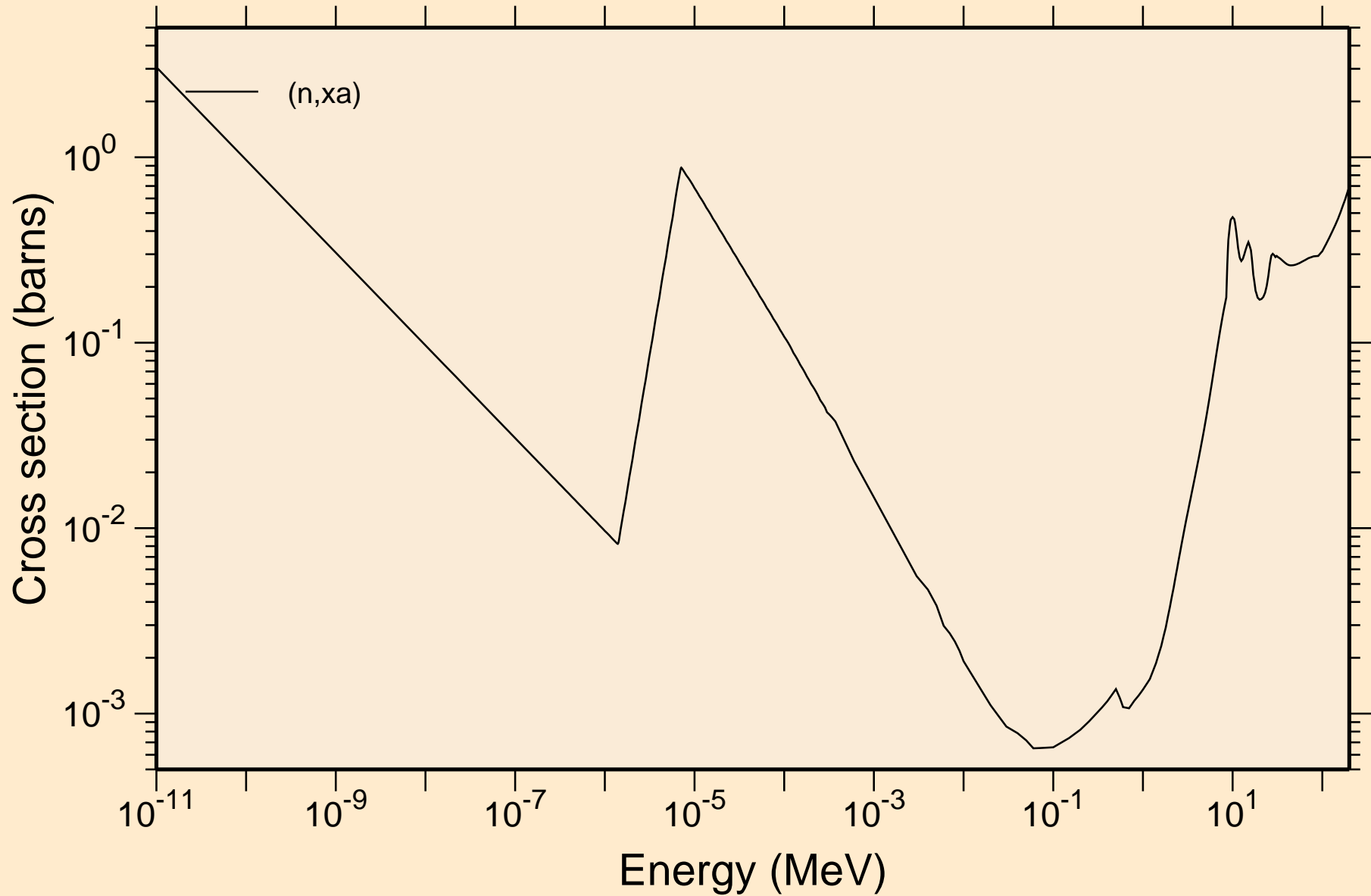


# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Non-threshold reactions

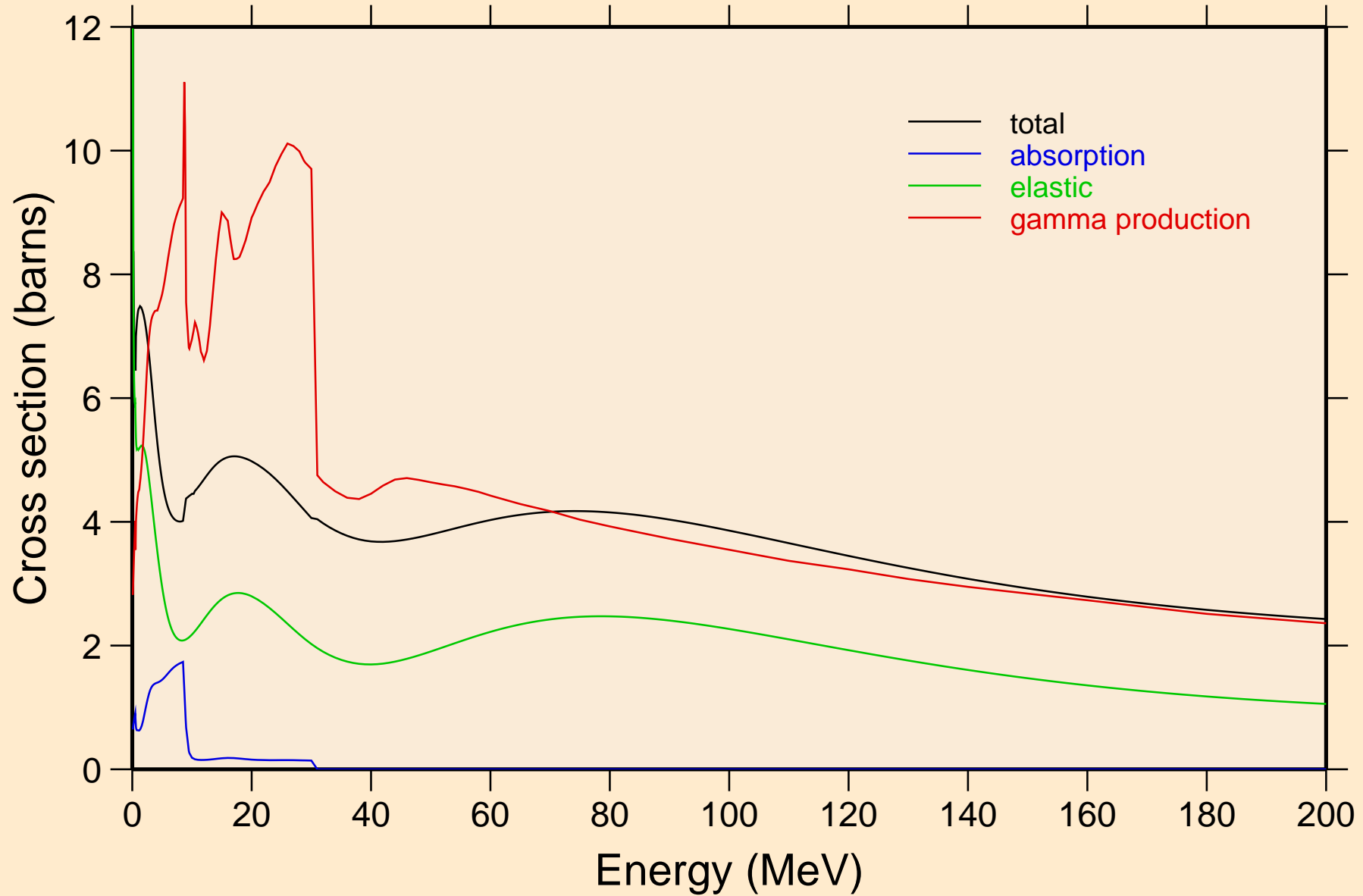


ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



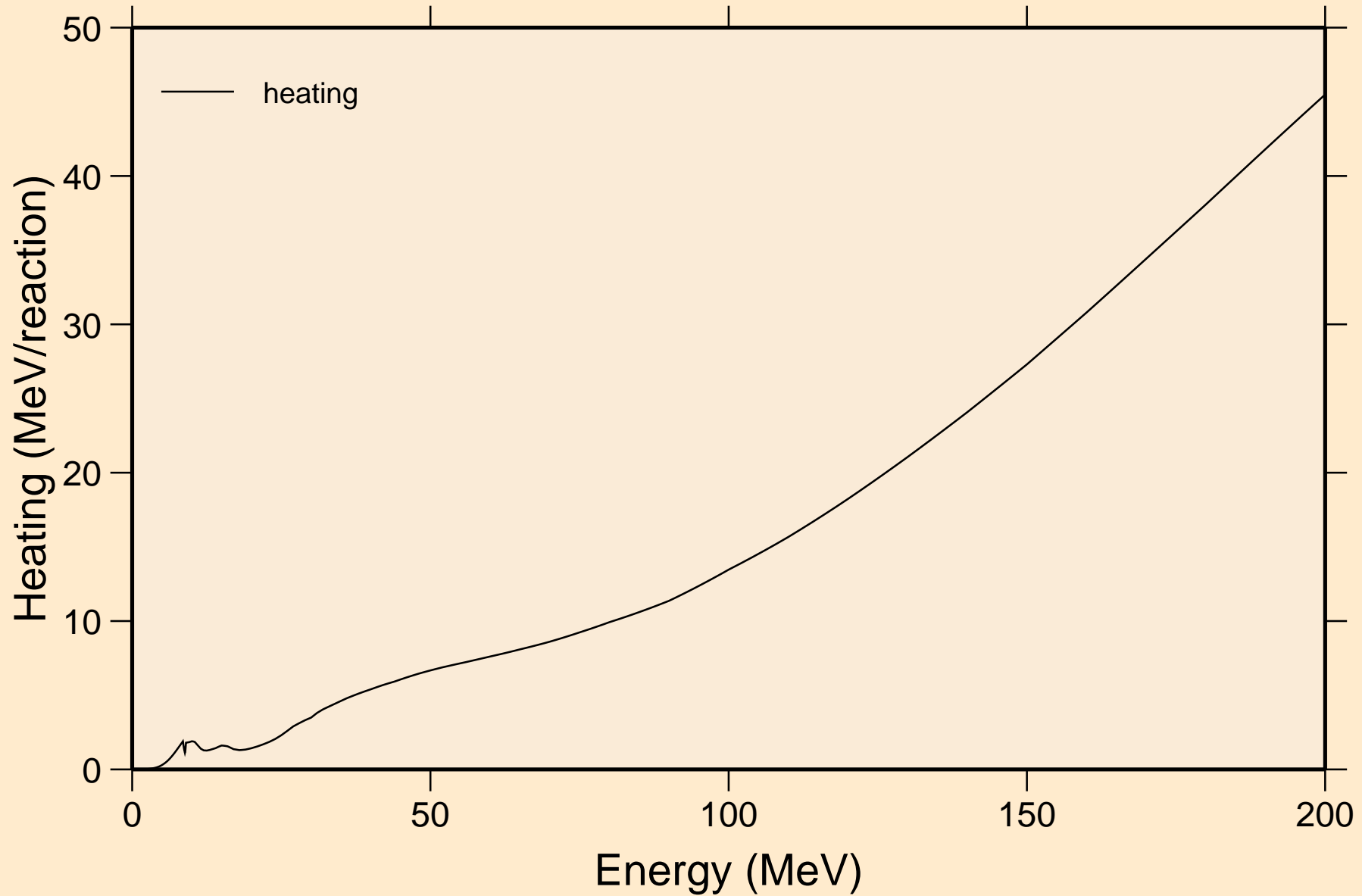
# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Principal cross sections

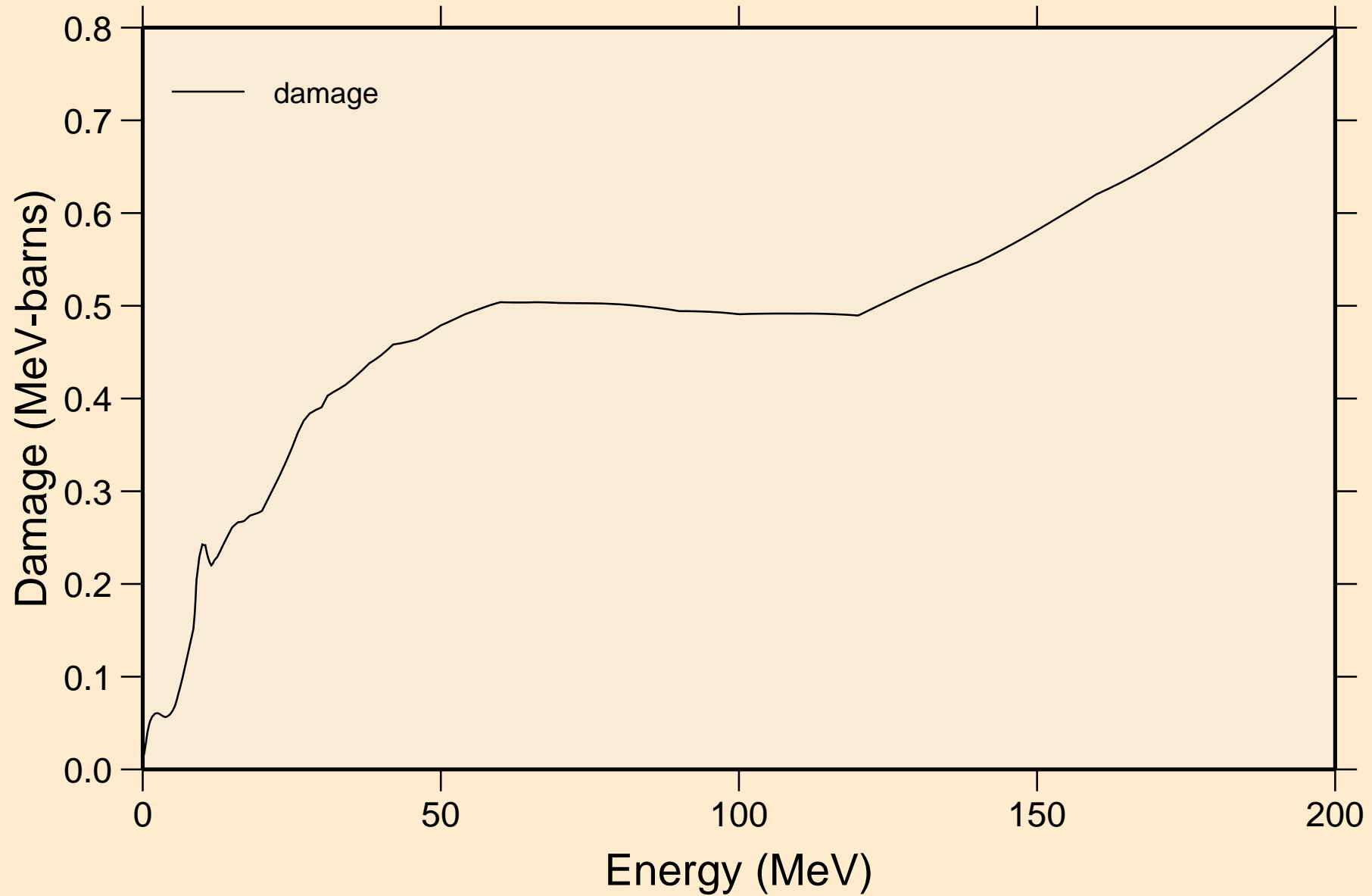


# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Heating

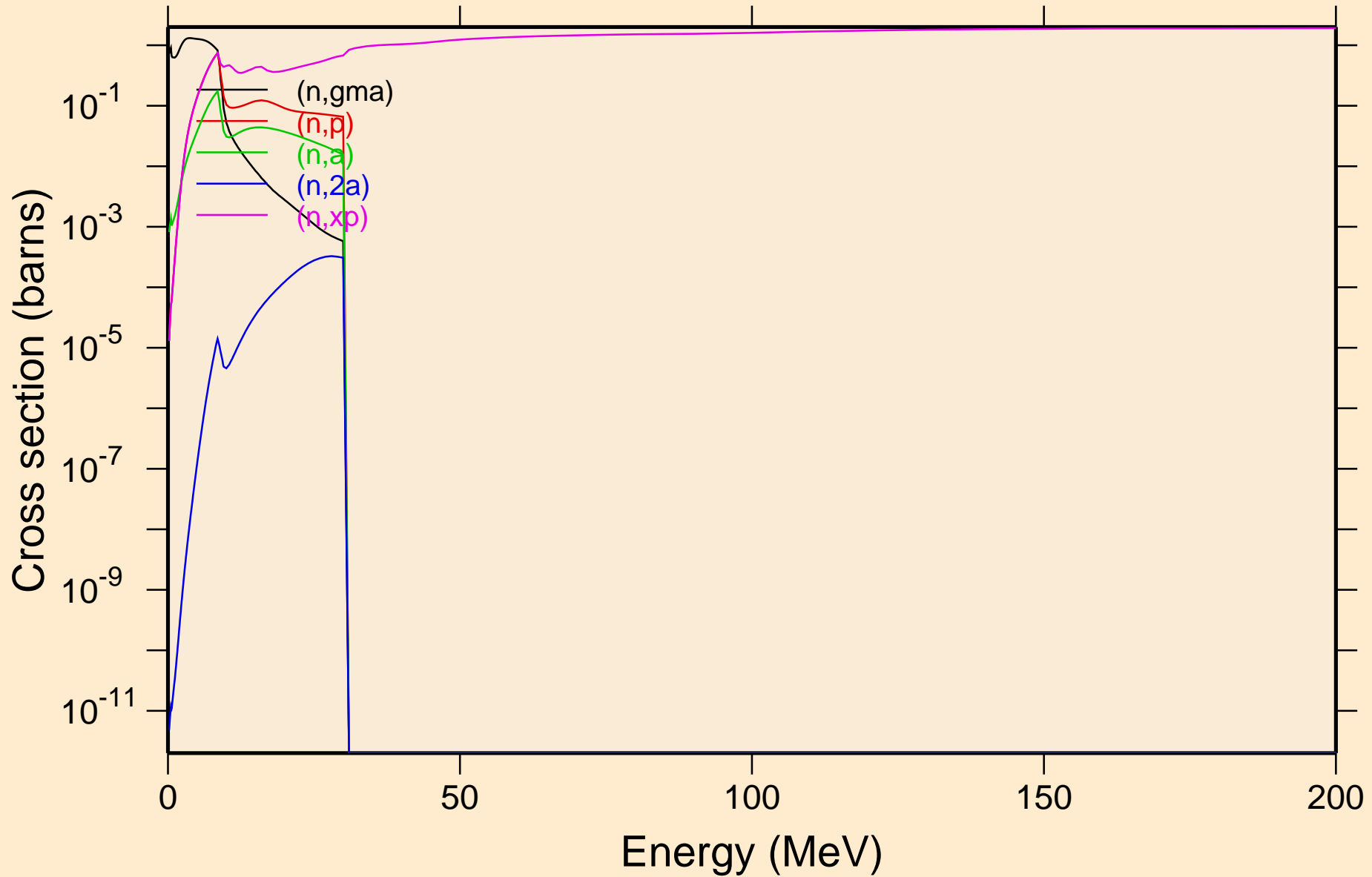


ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Damage

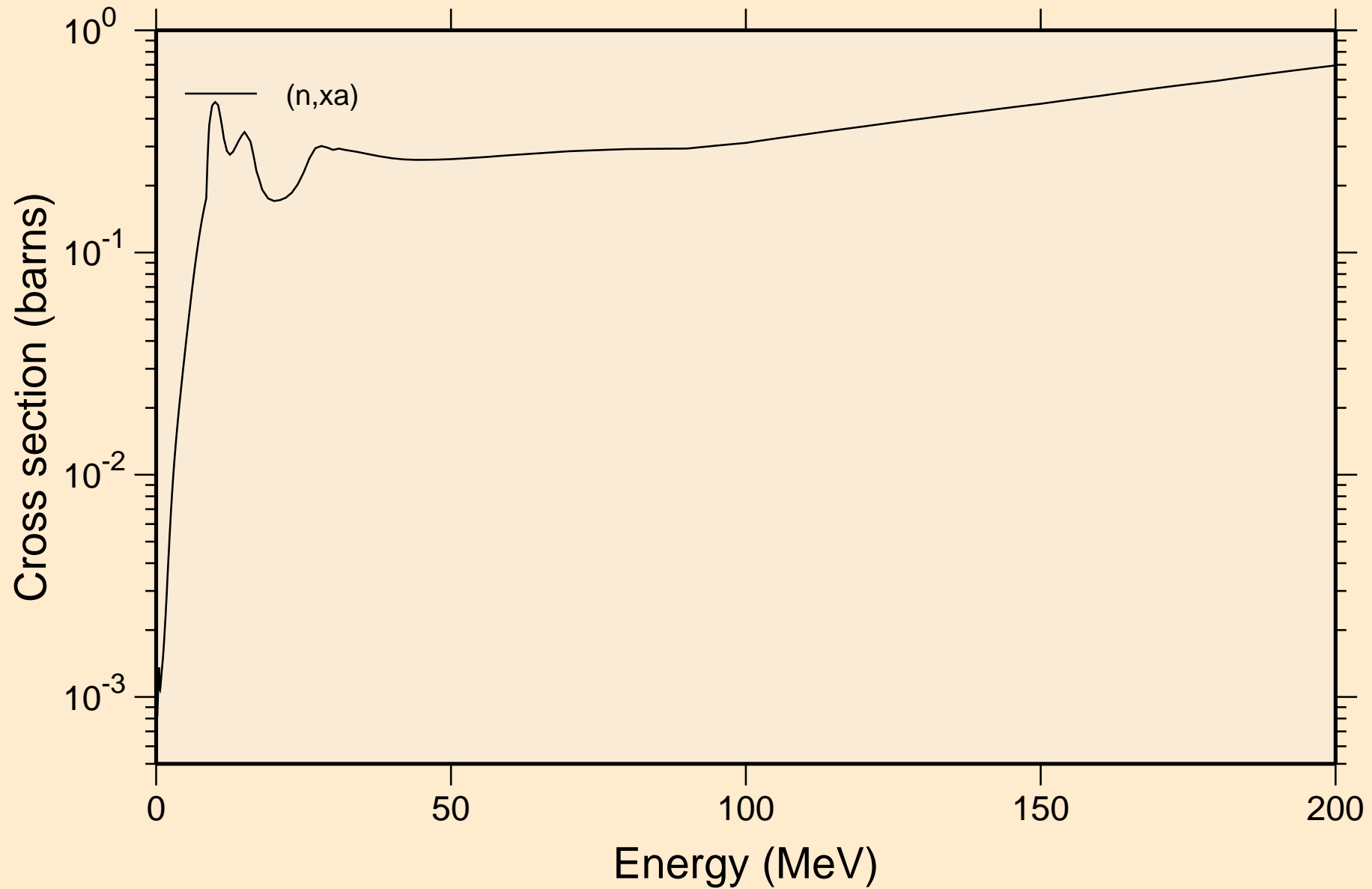


# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

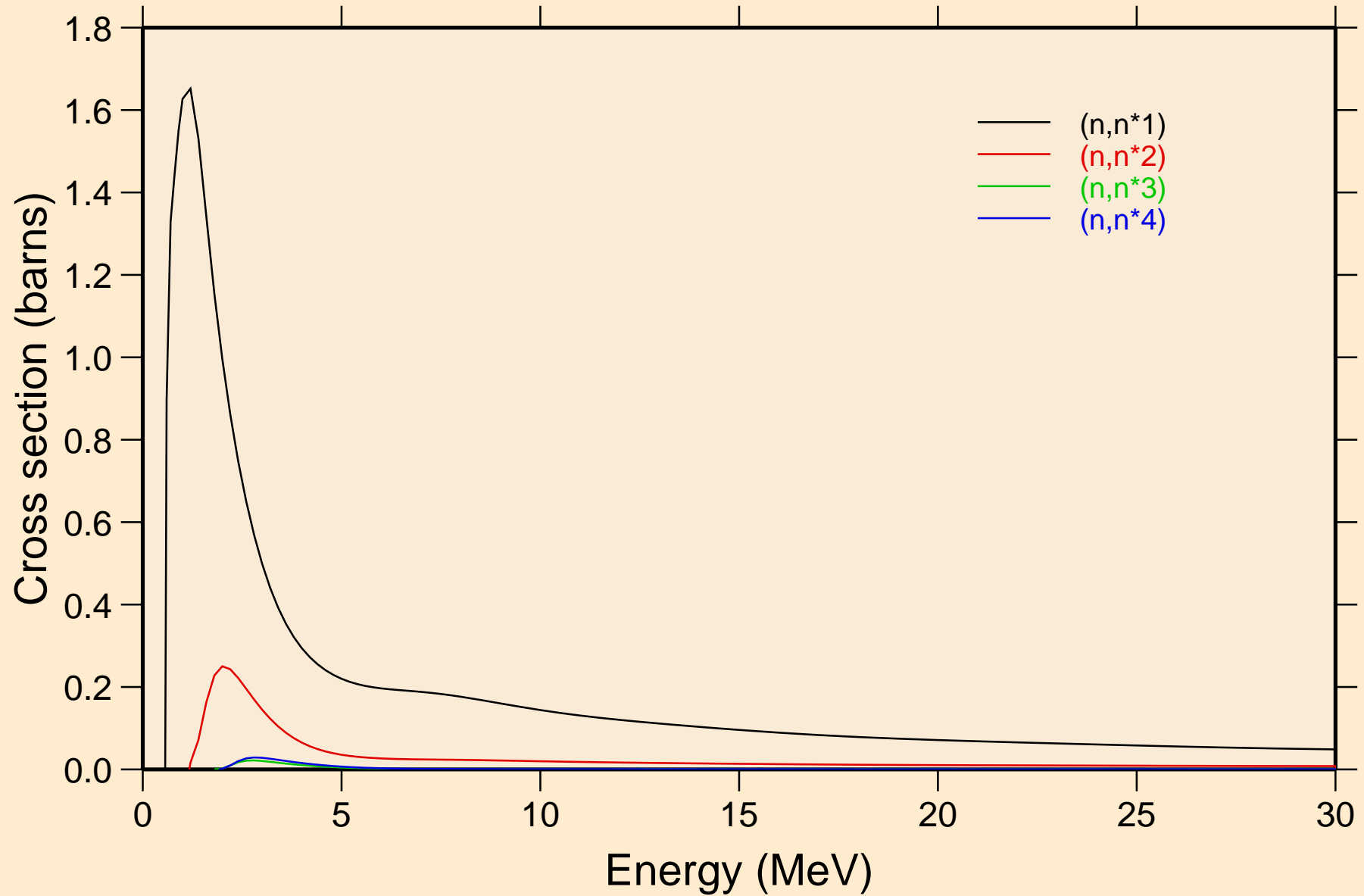
## Non-threshold reactions



ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

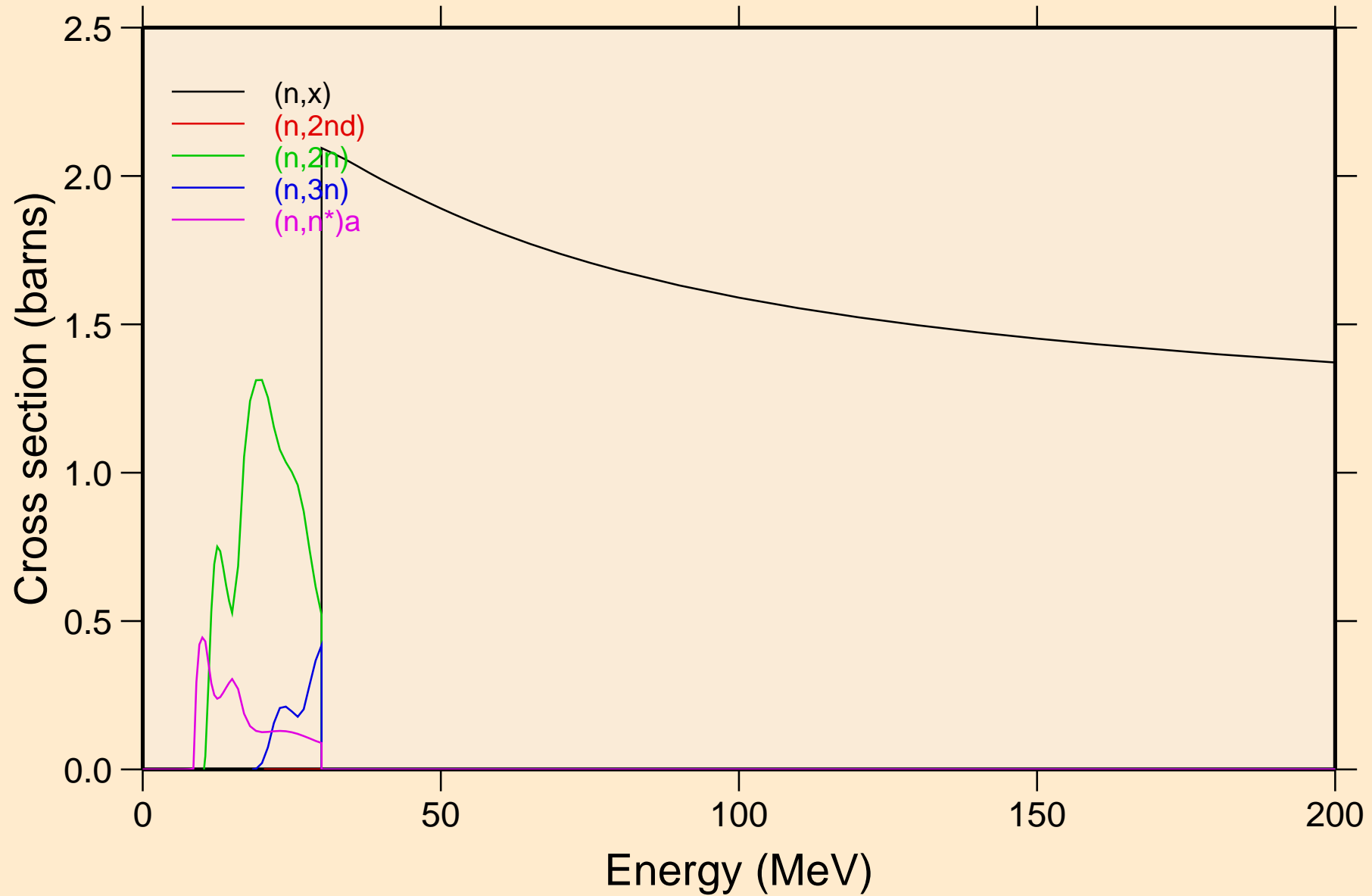


ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



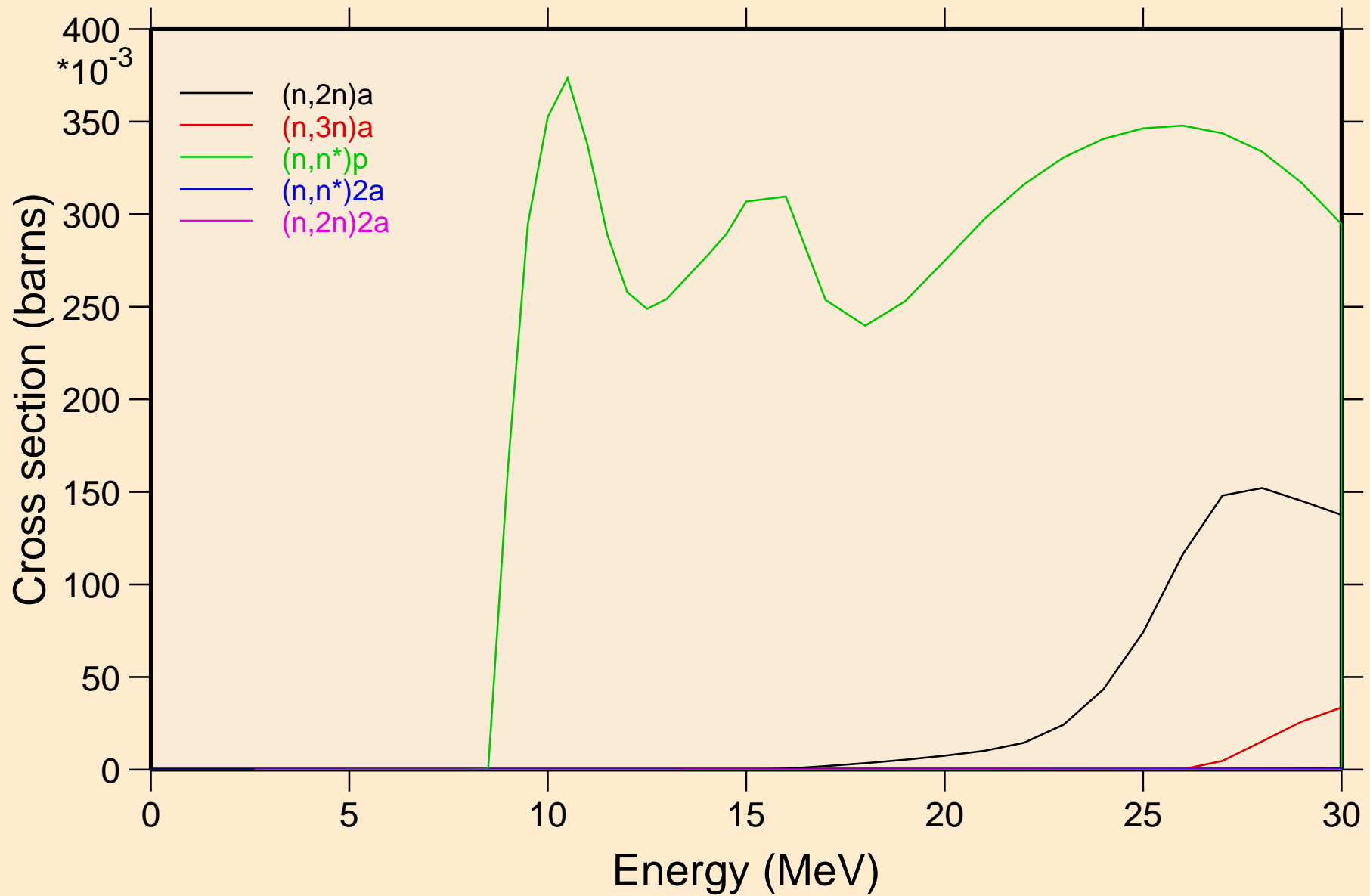
# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



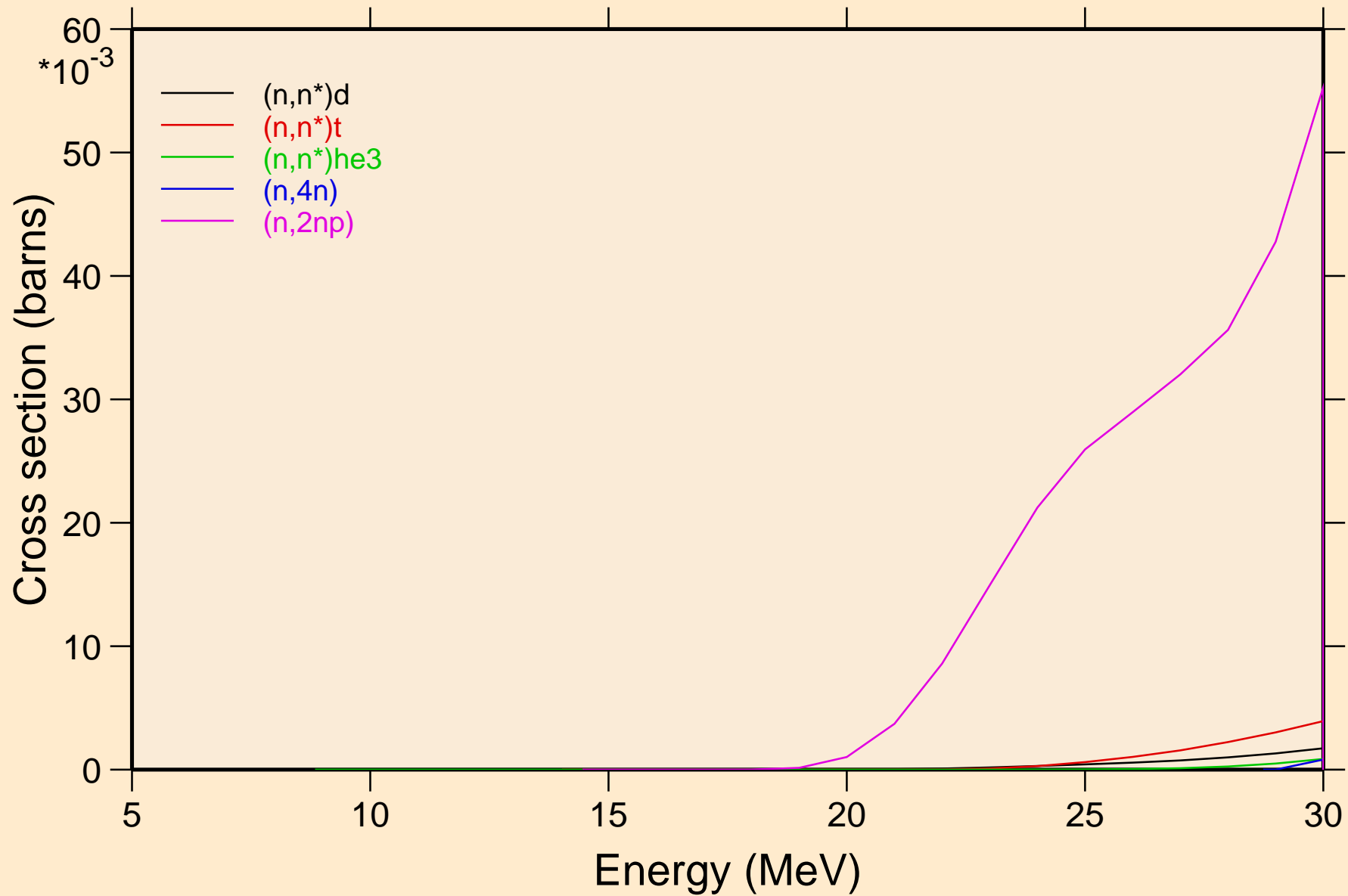
# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions



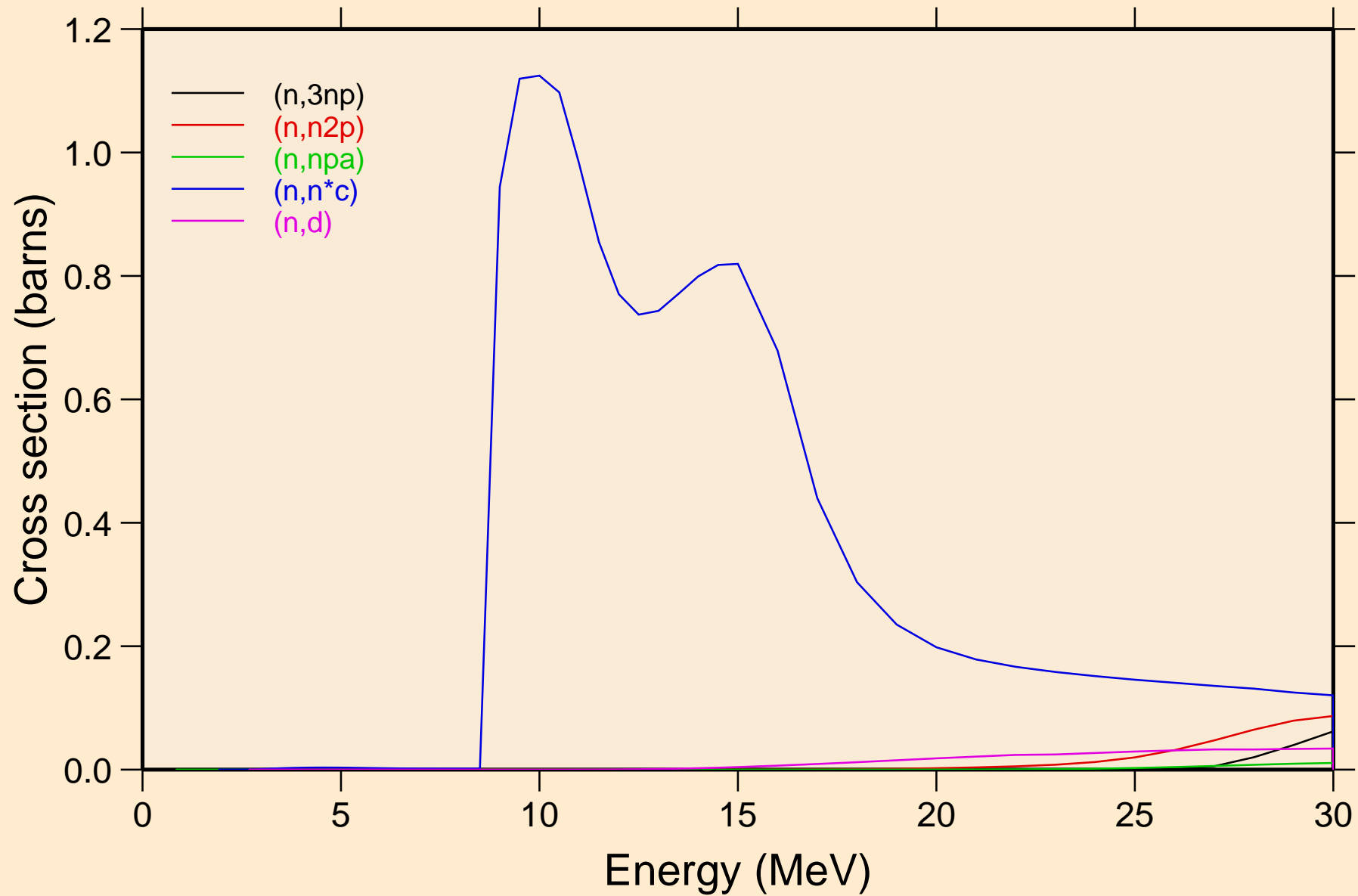
# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

## Threshold reactions

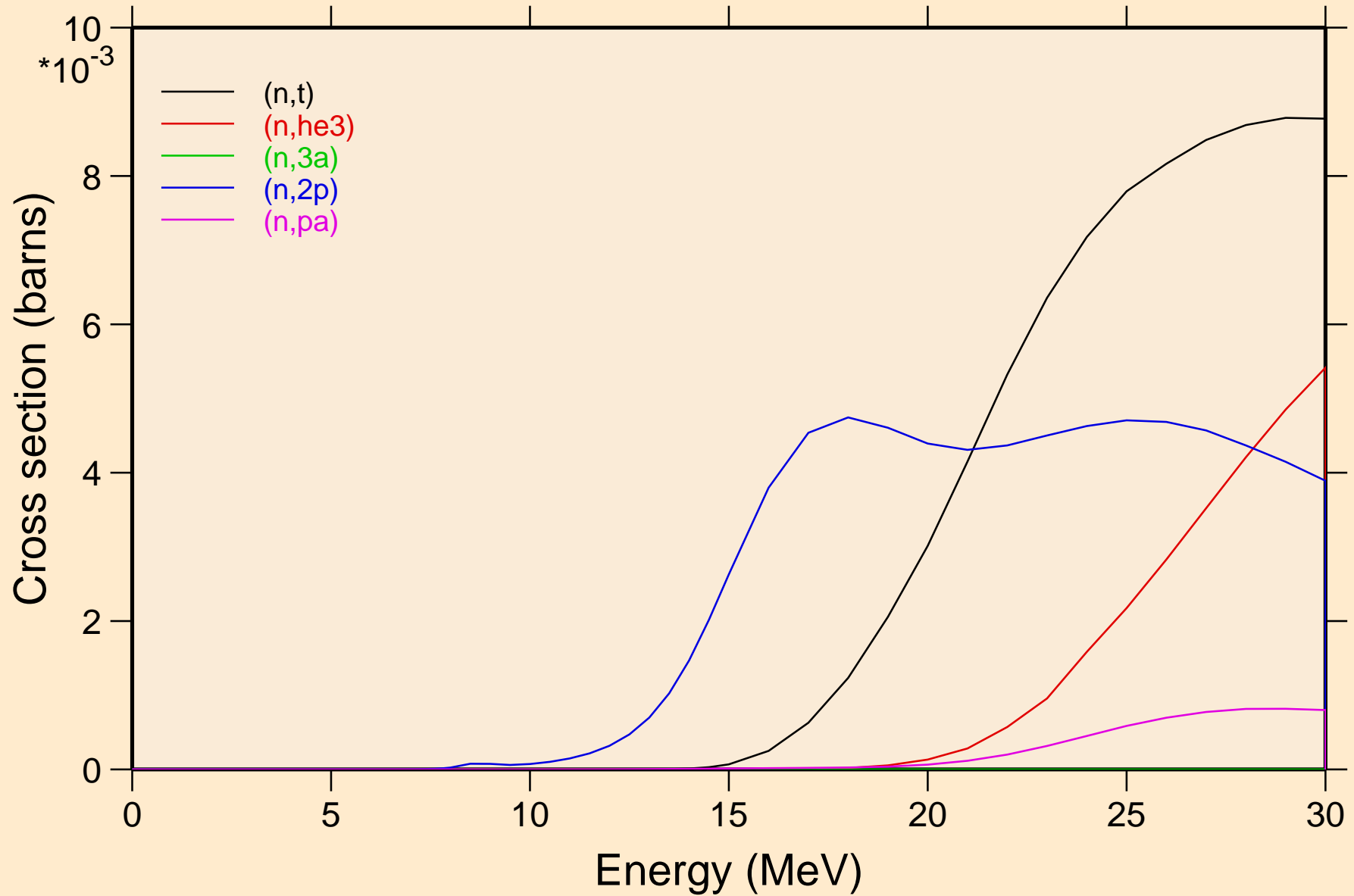


# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

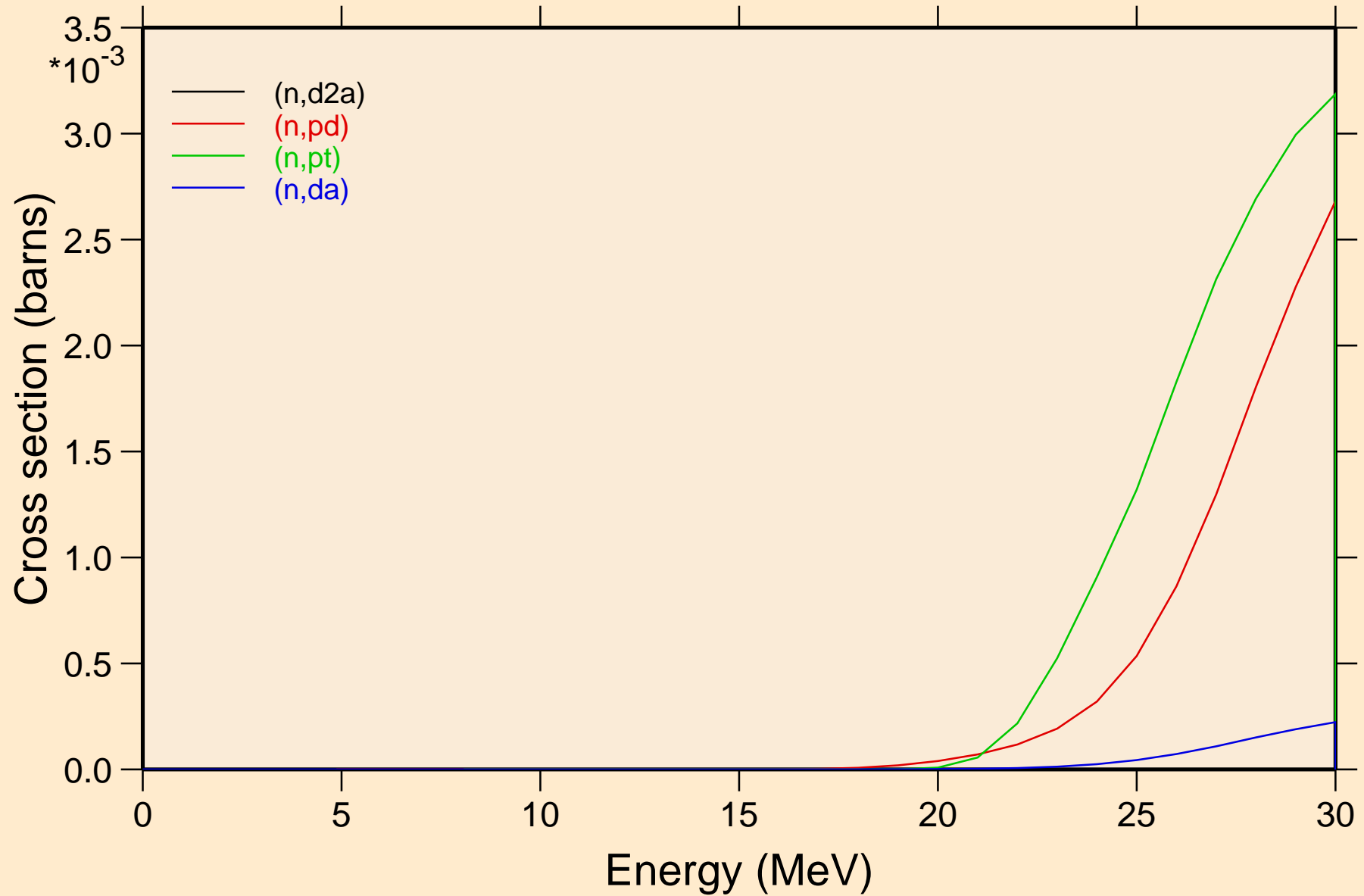
## Threshold reactions



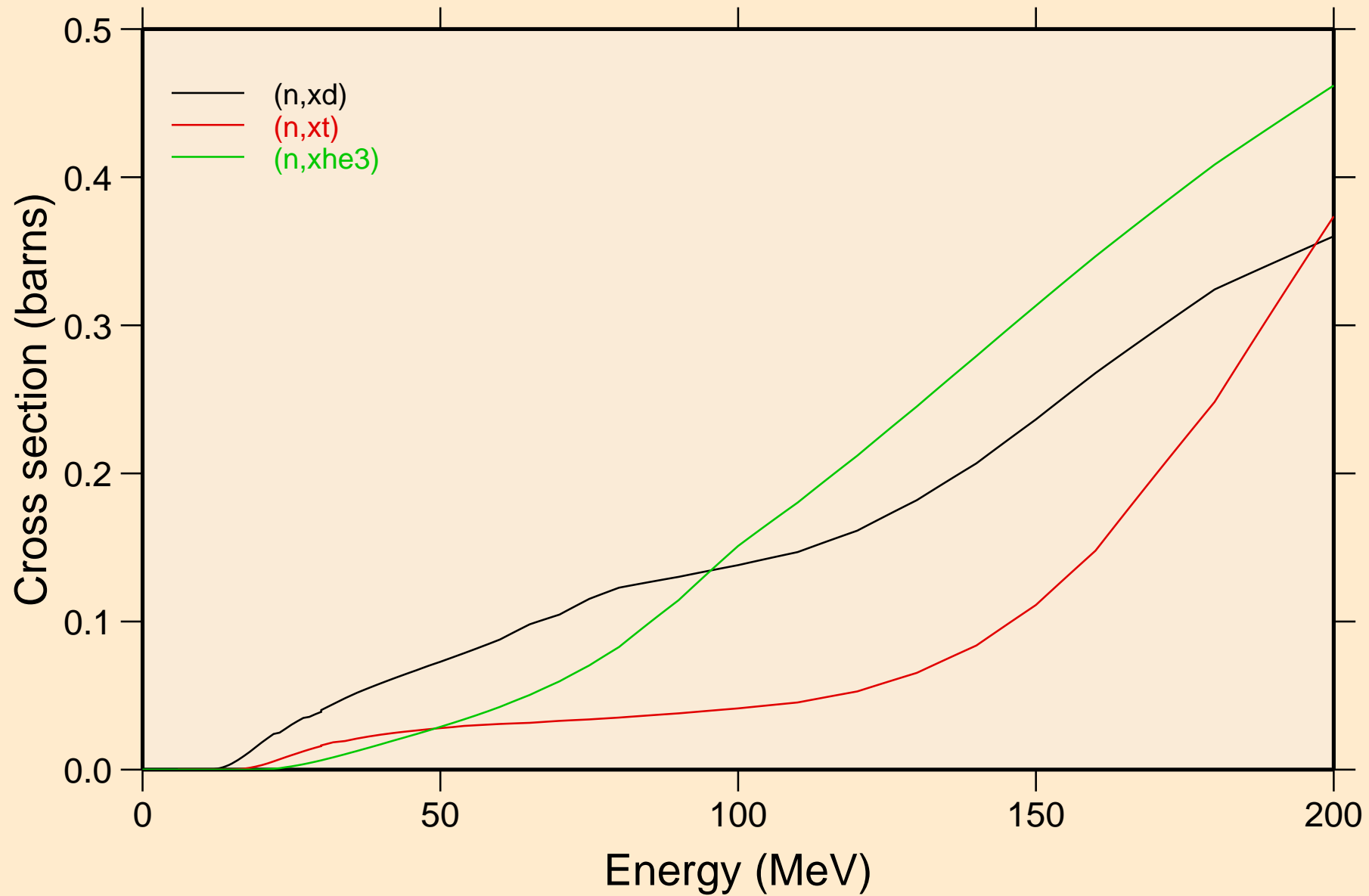
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



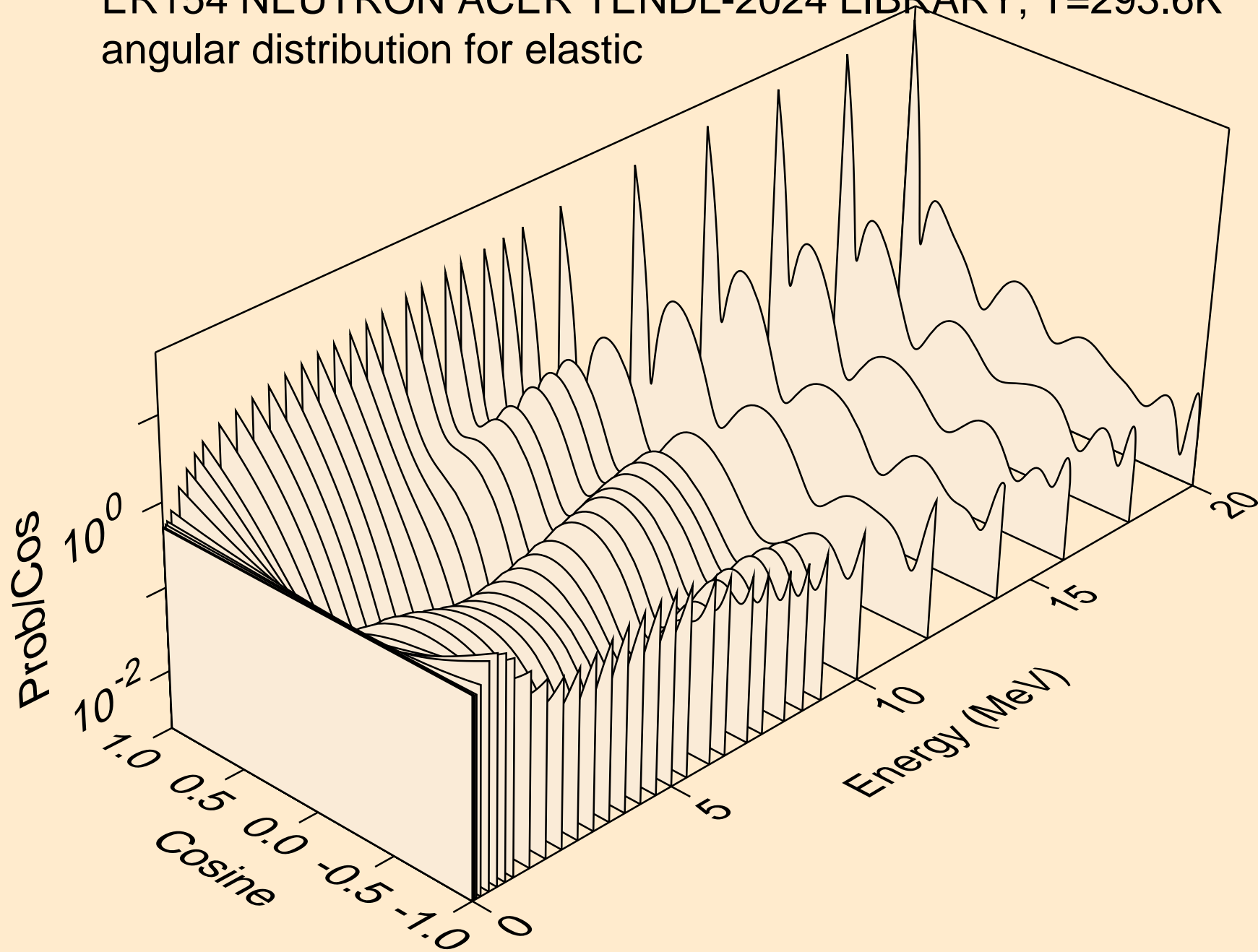
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Threshold reactions



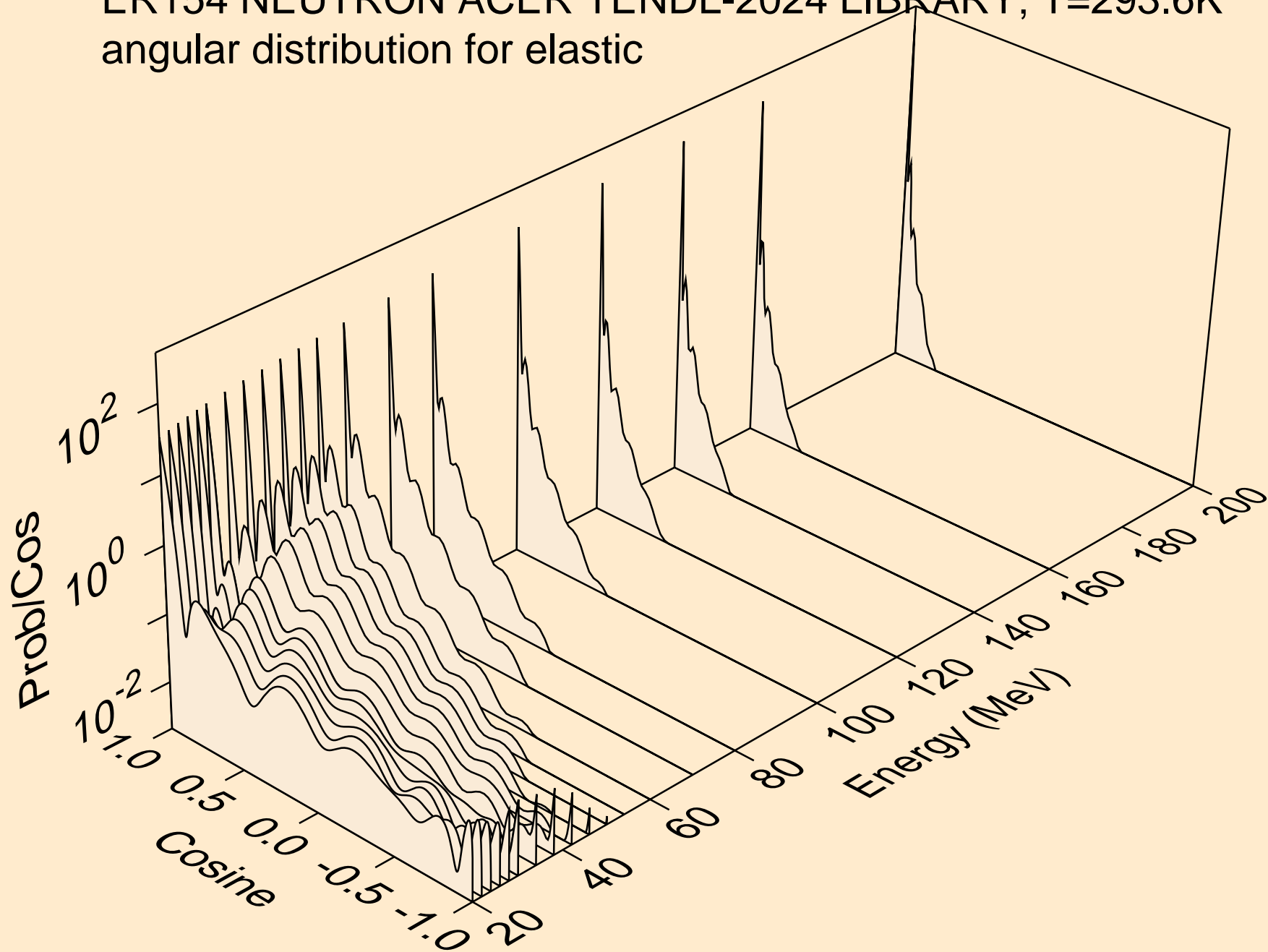
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



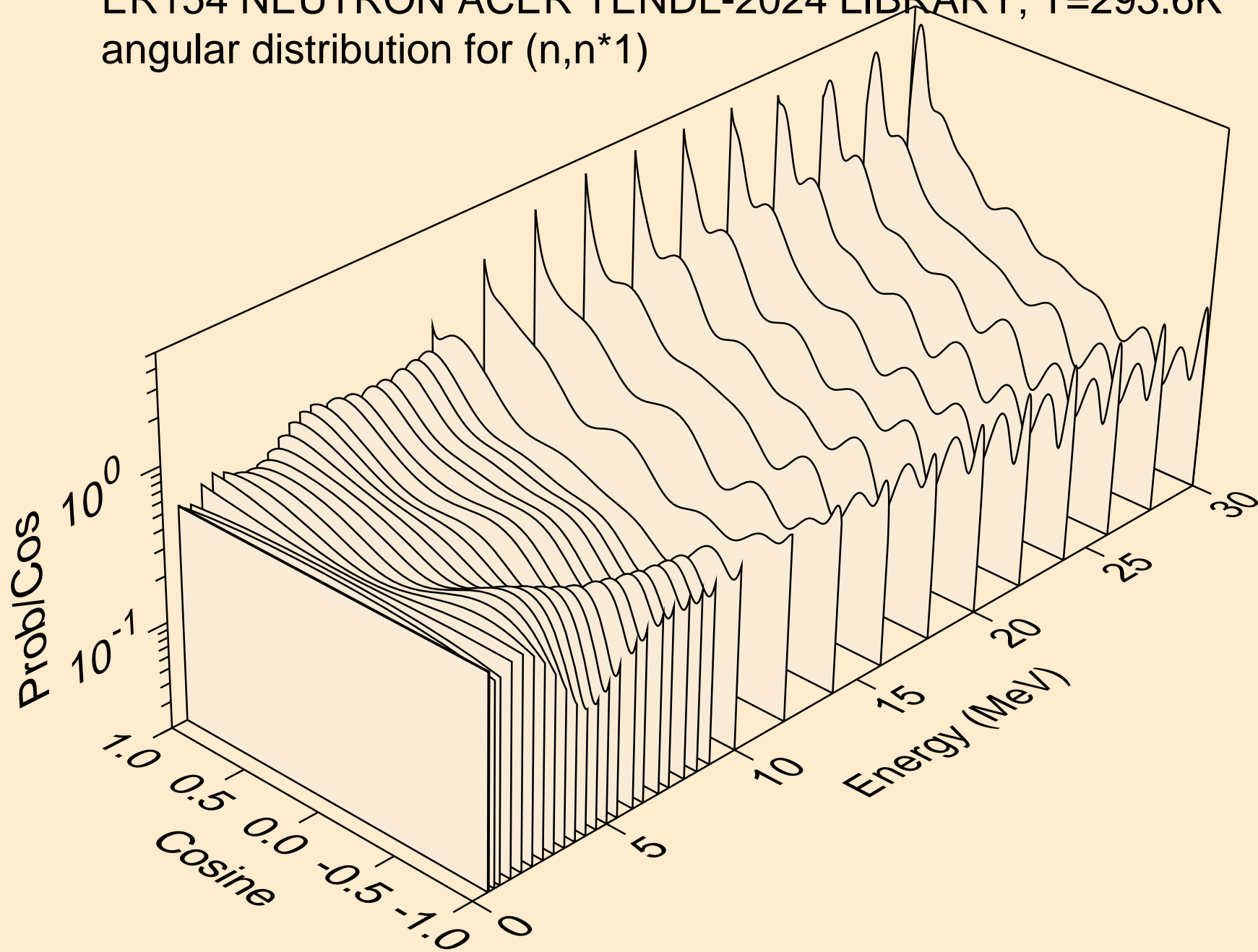
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



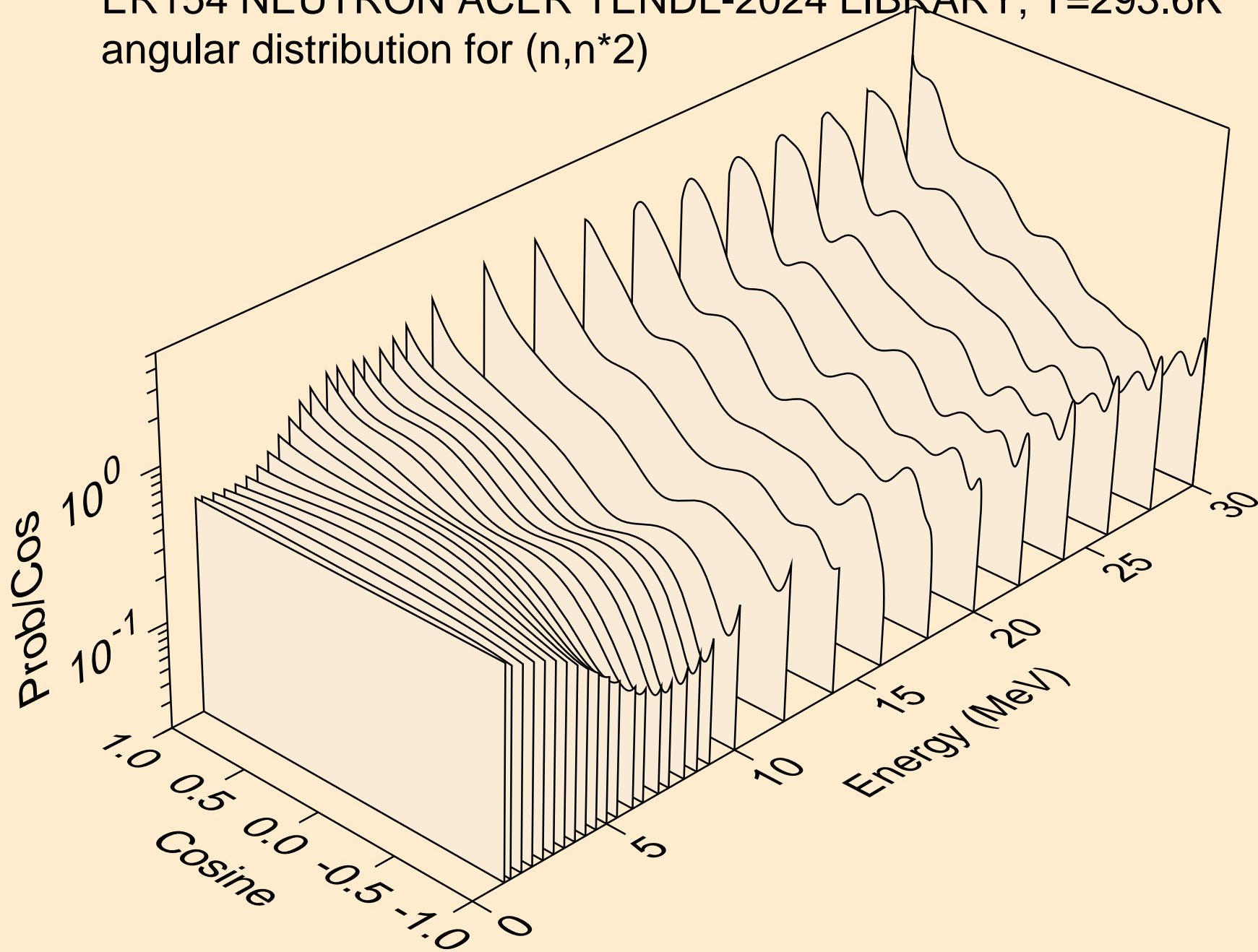
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



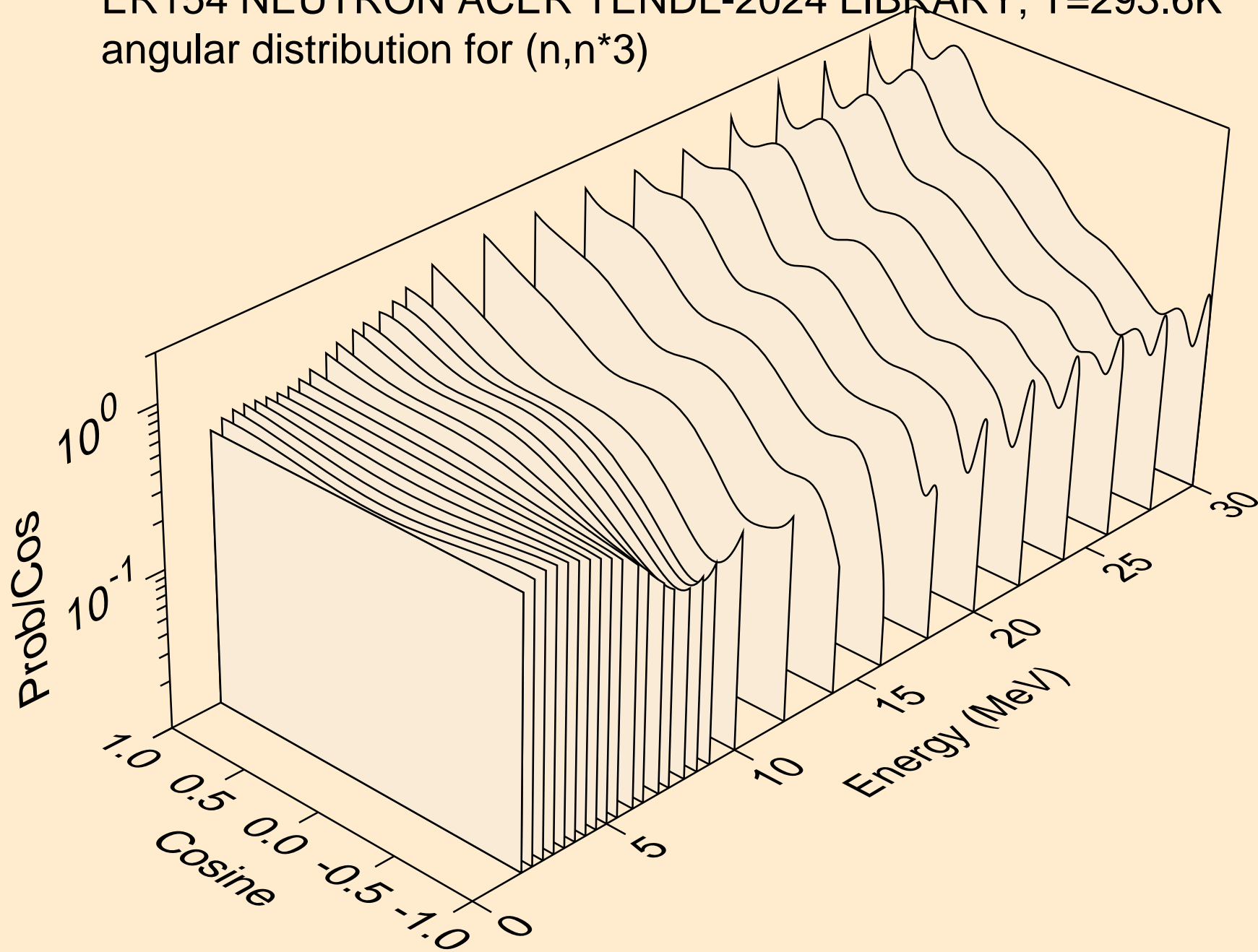
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



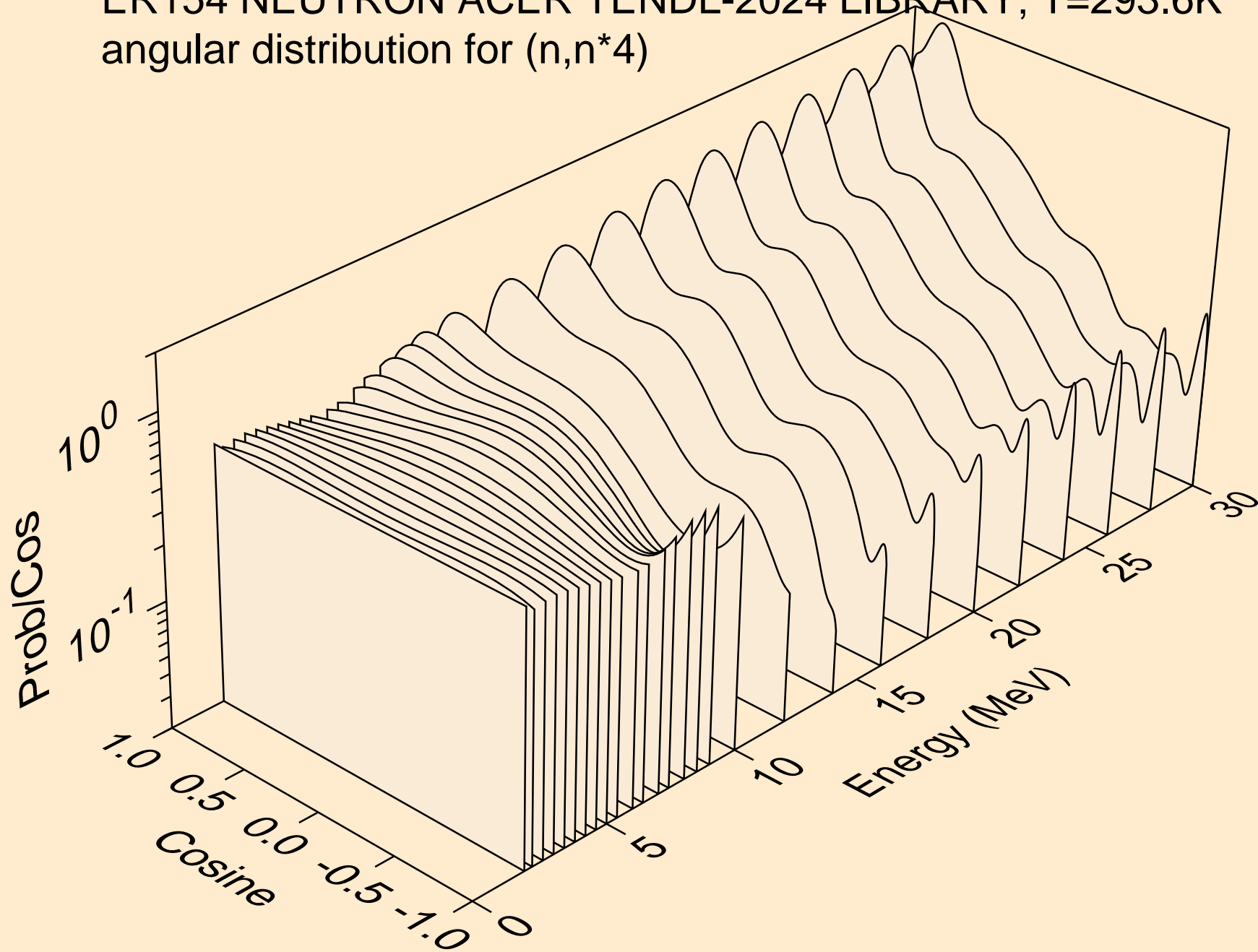
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



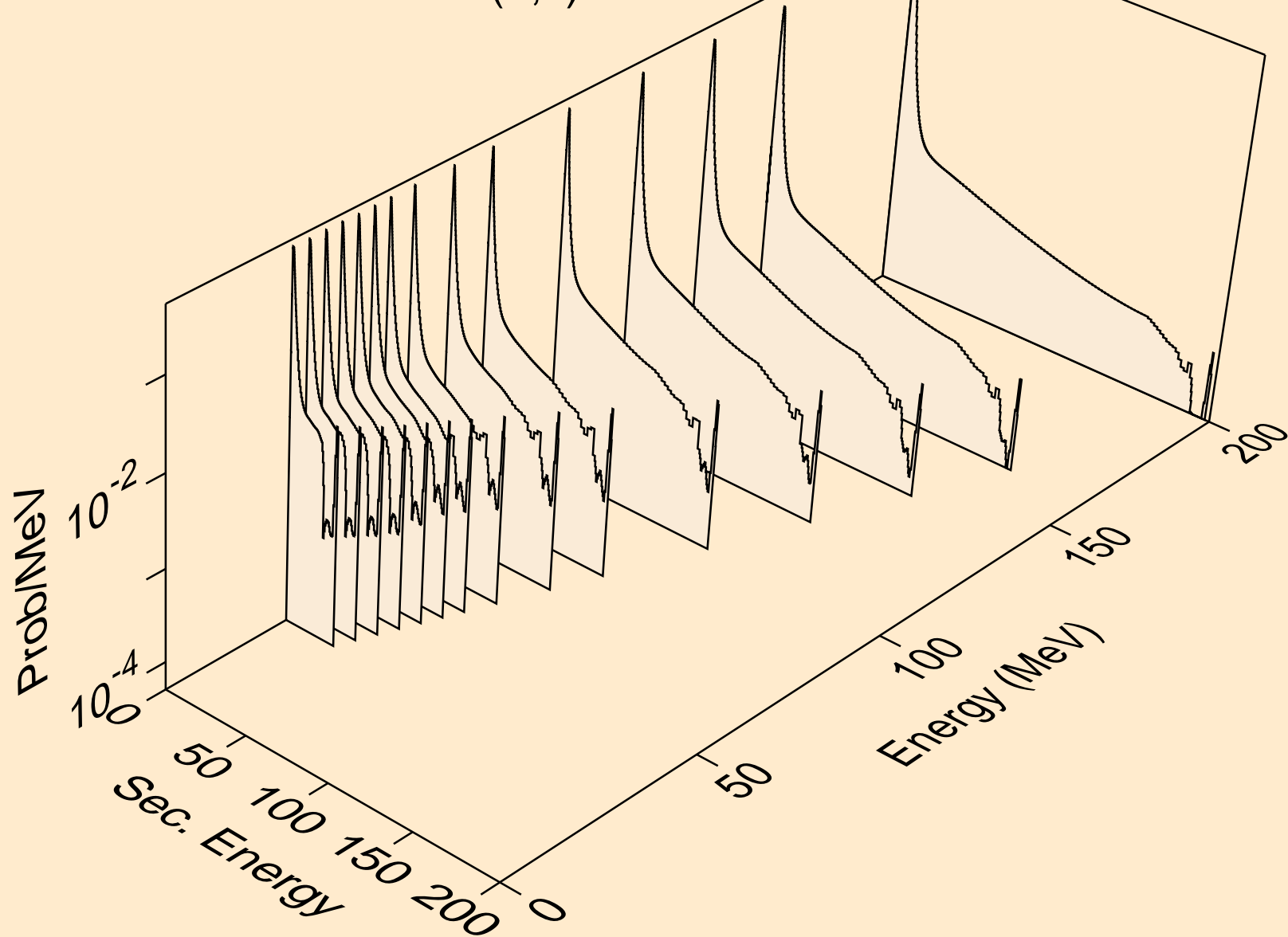
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angular distribution for (n,n\*3)



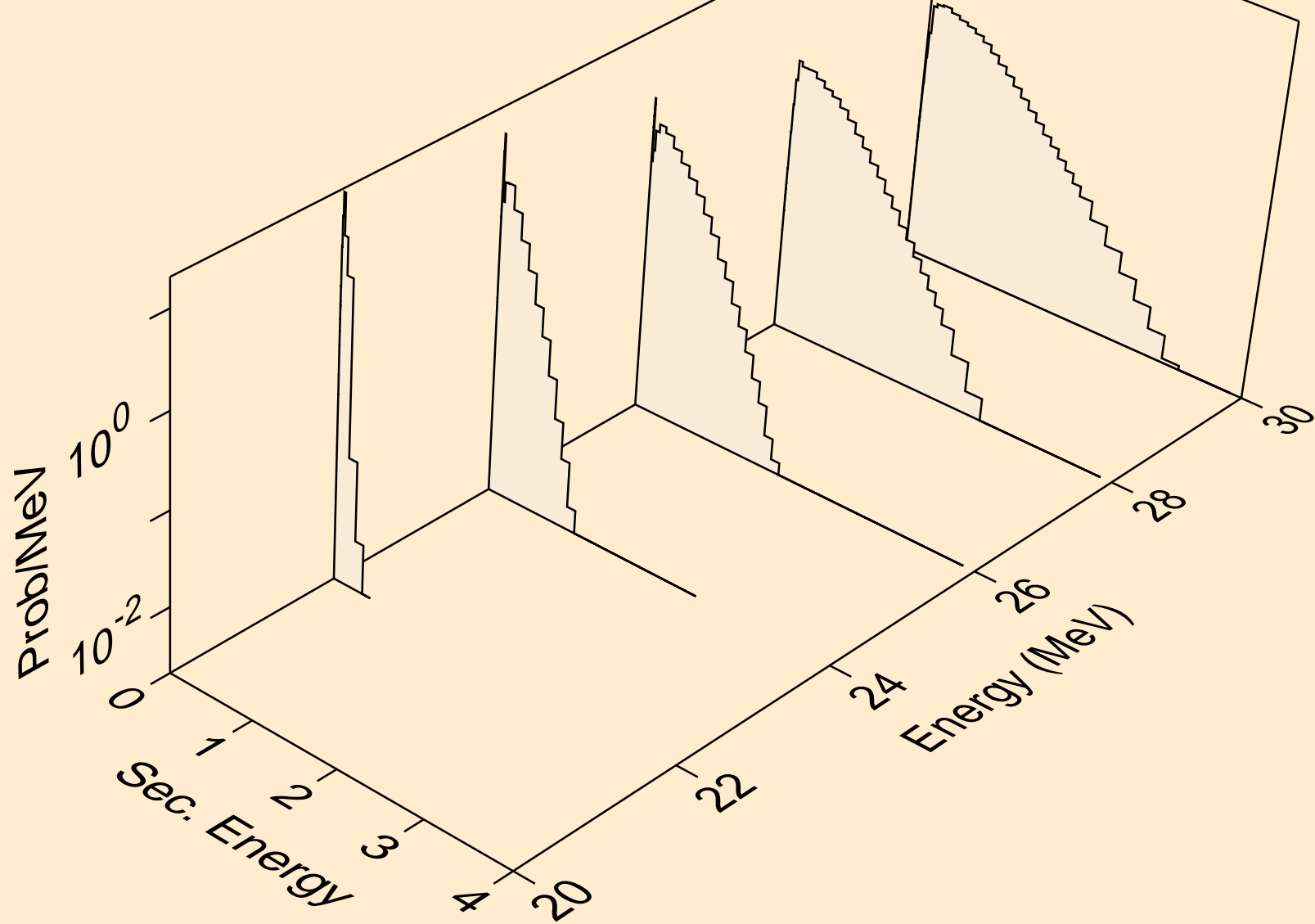
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angular distribution for (n,n\*4)



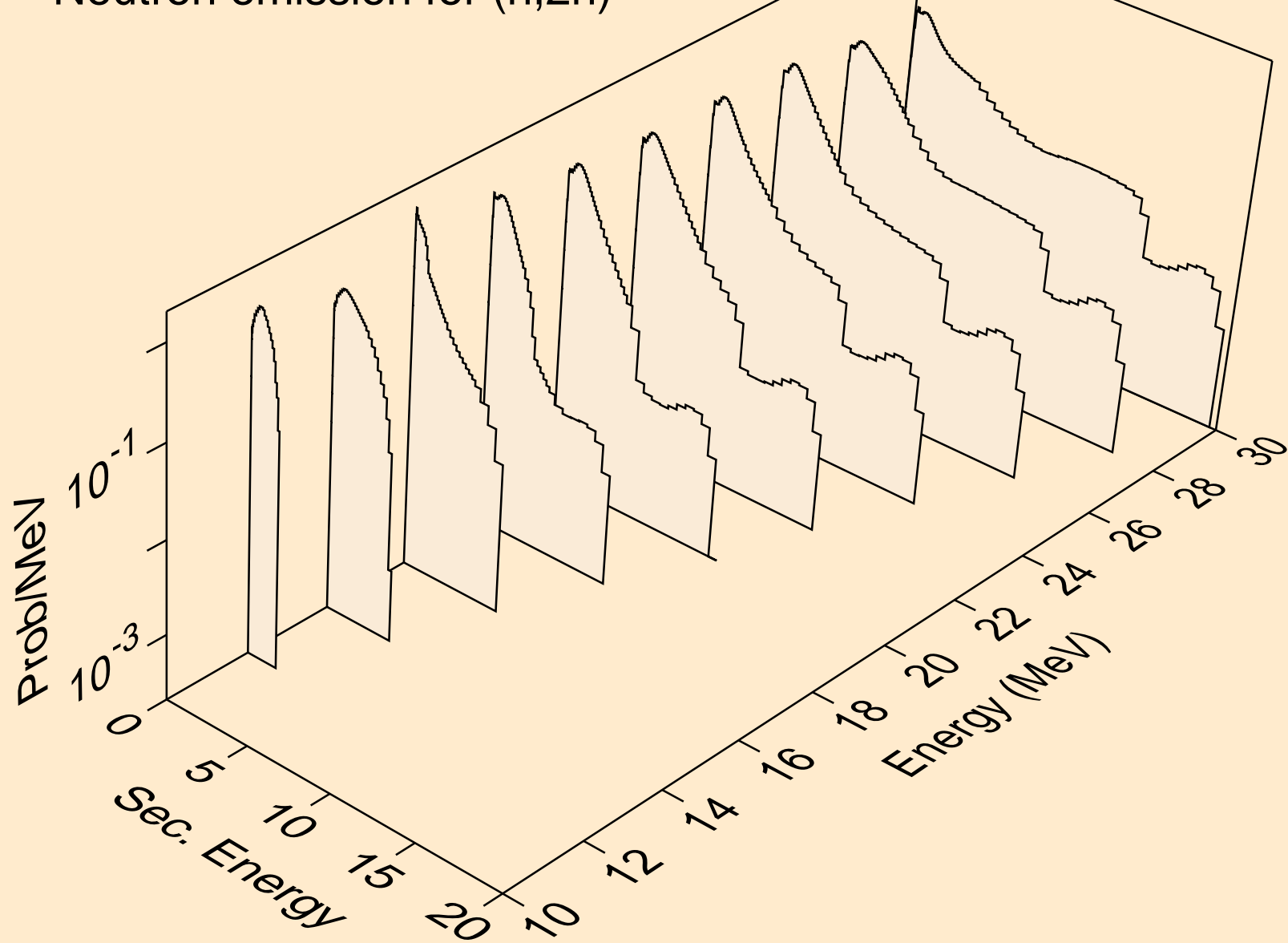
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



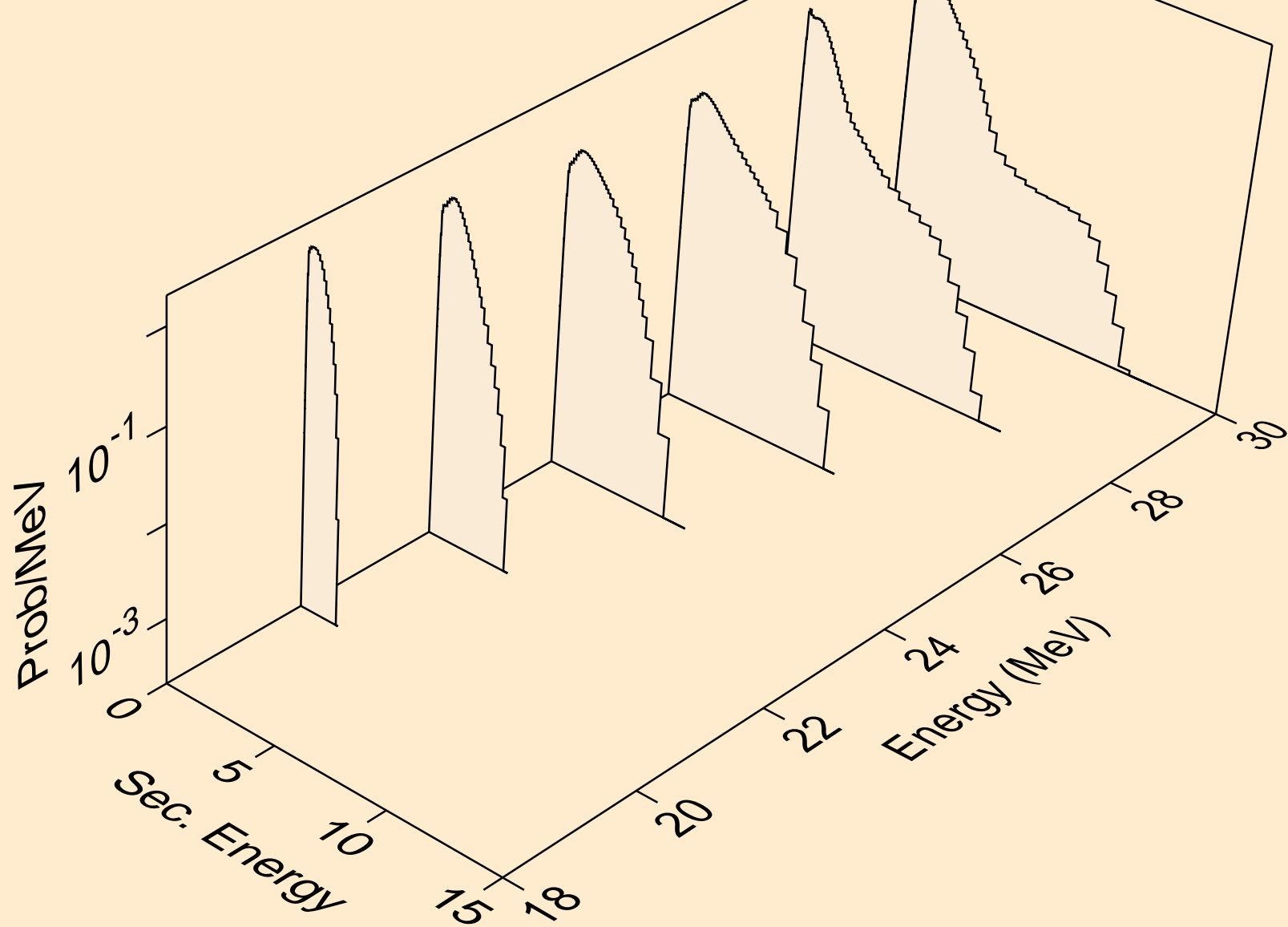
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



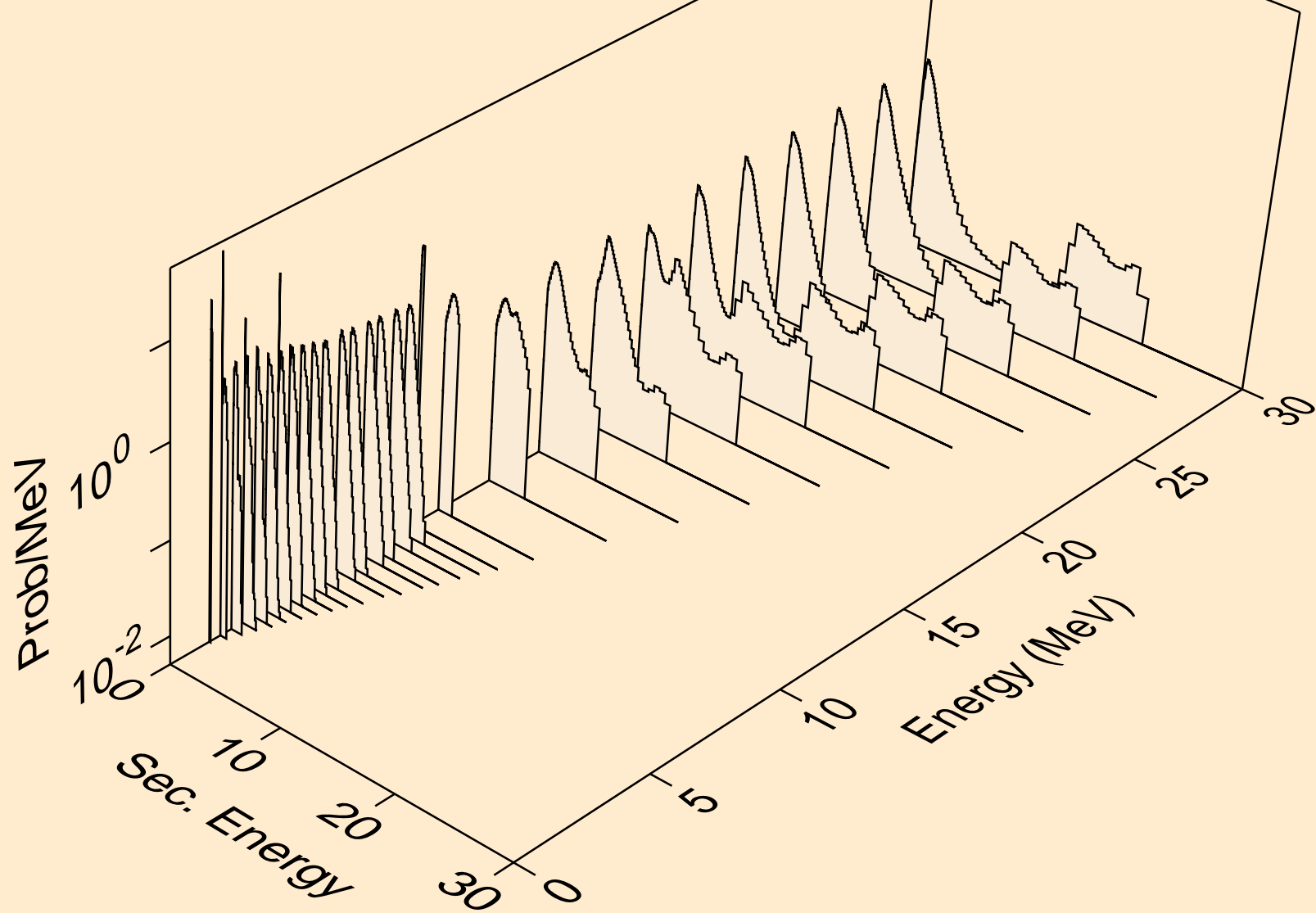
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



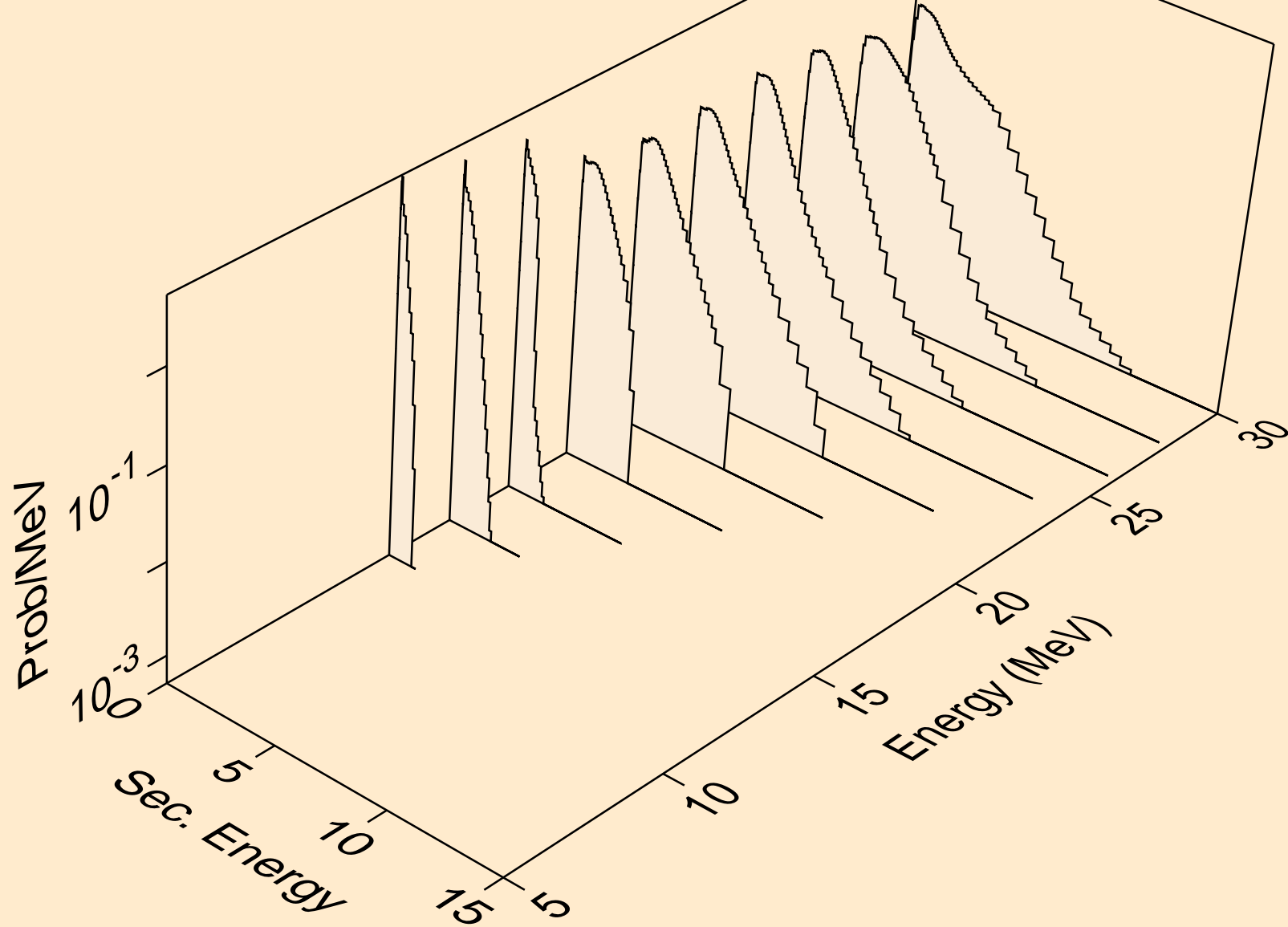
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



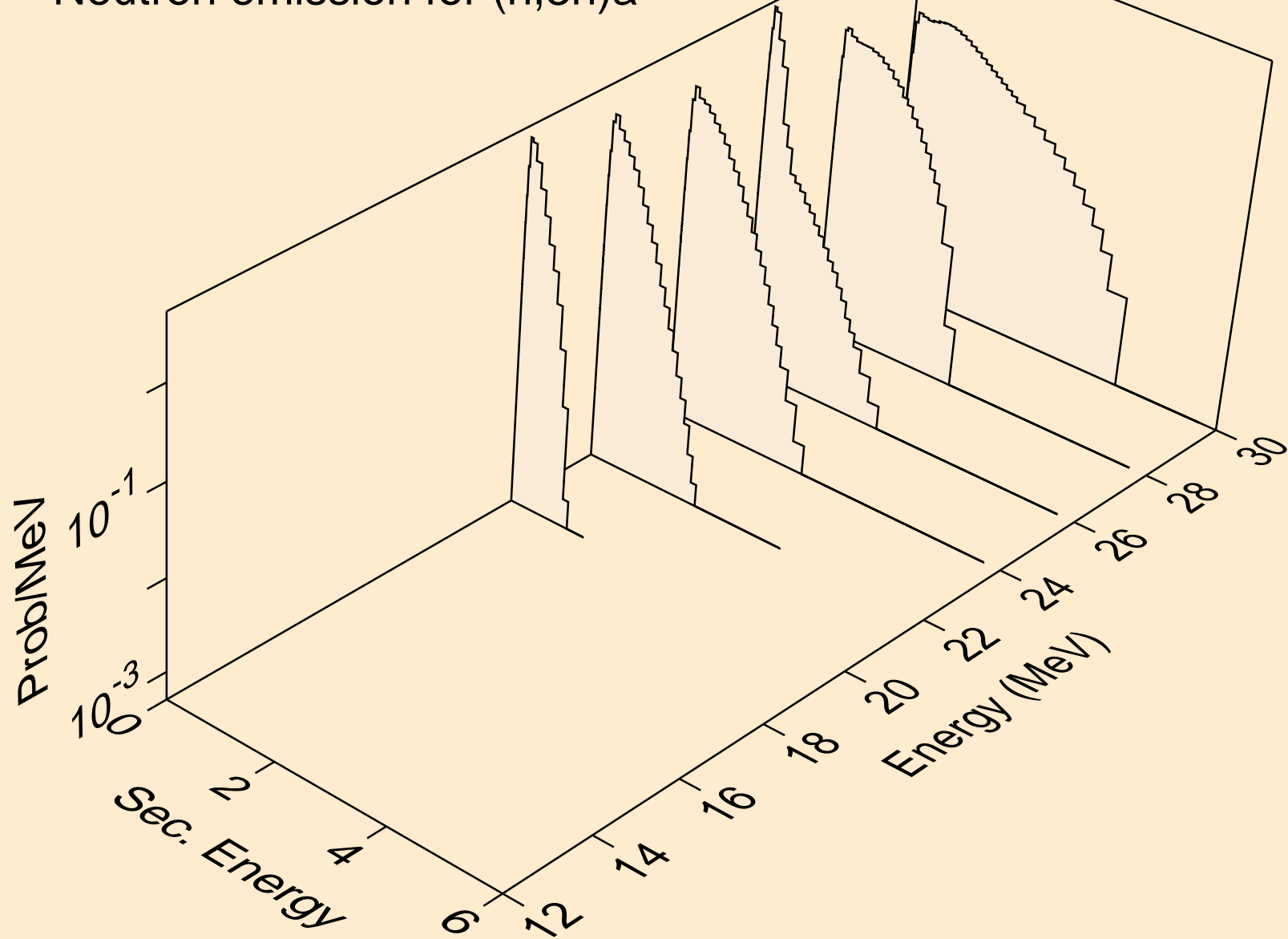
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



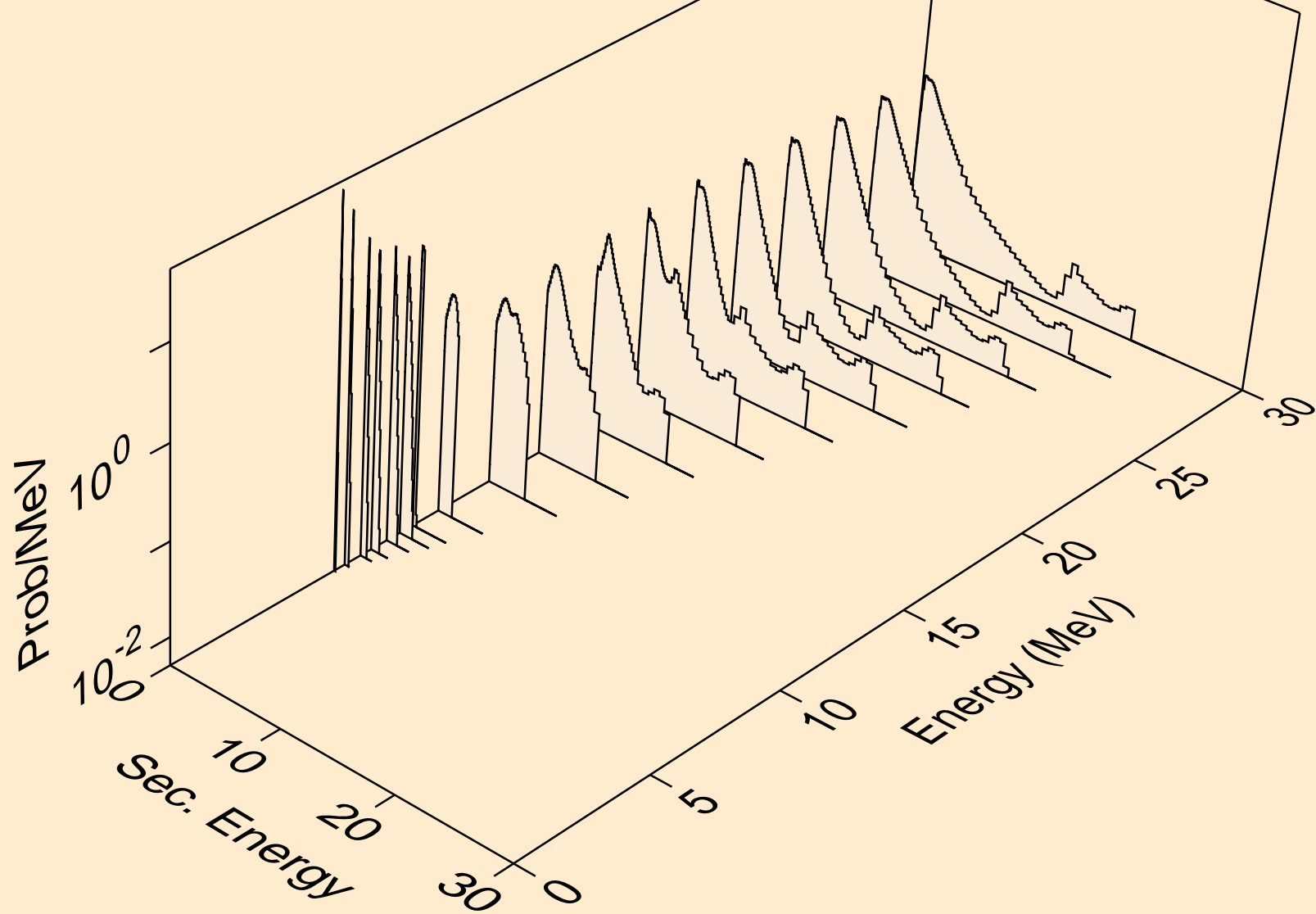
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Neutron emission for (n,2n)<sub>a</sub>



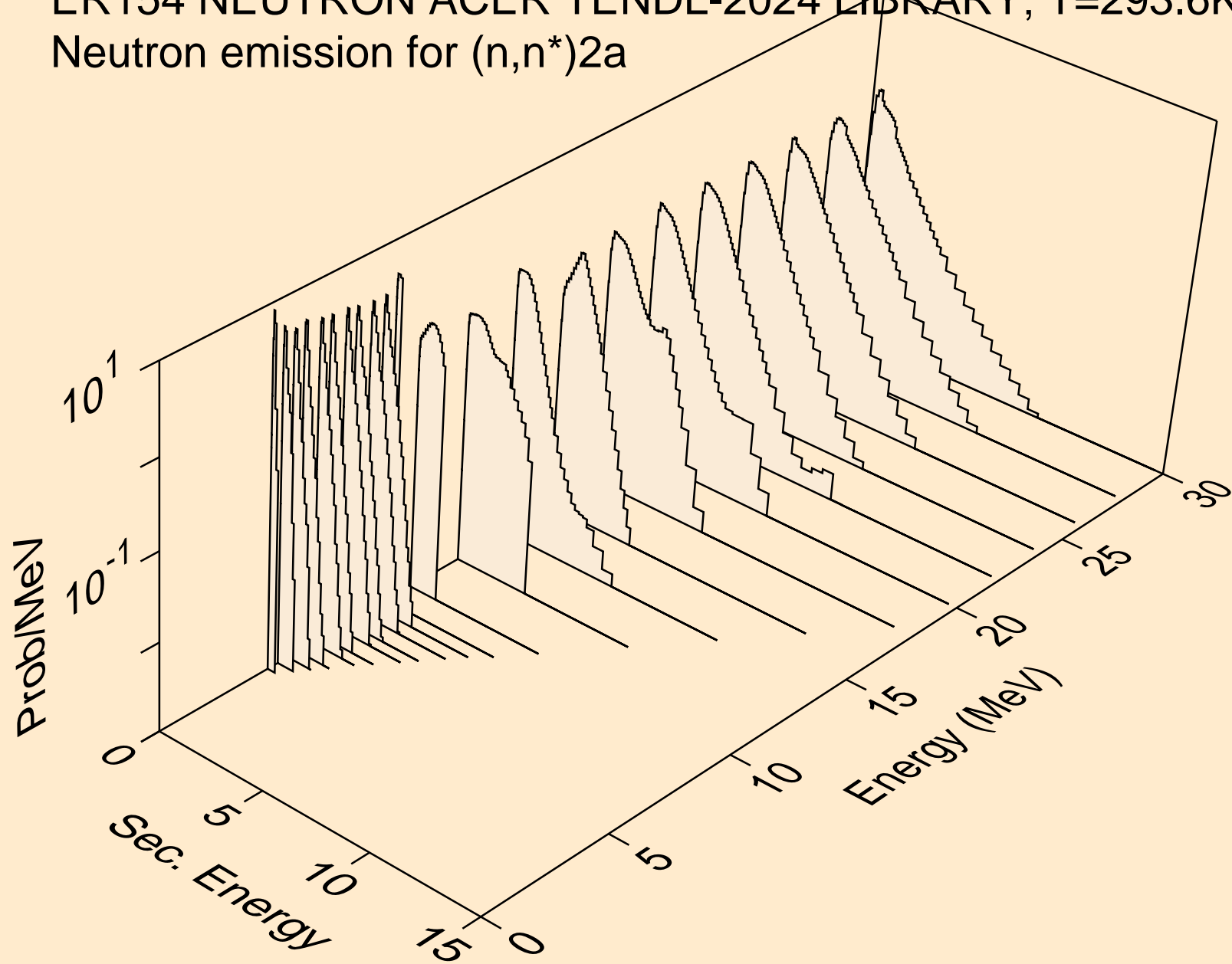
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Neutron emission for (n,3n)a



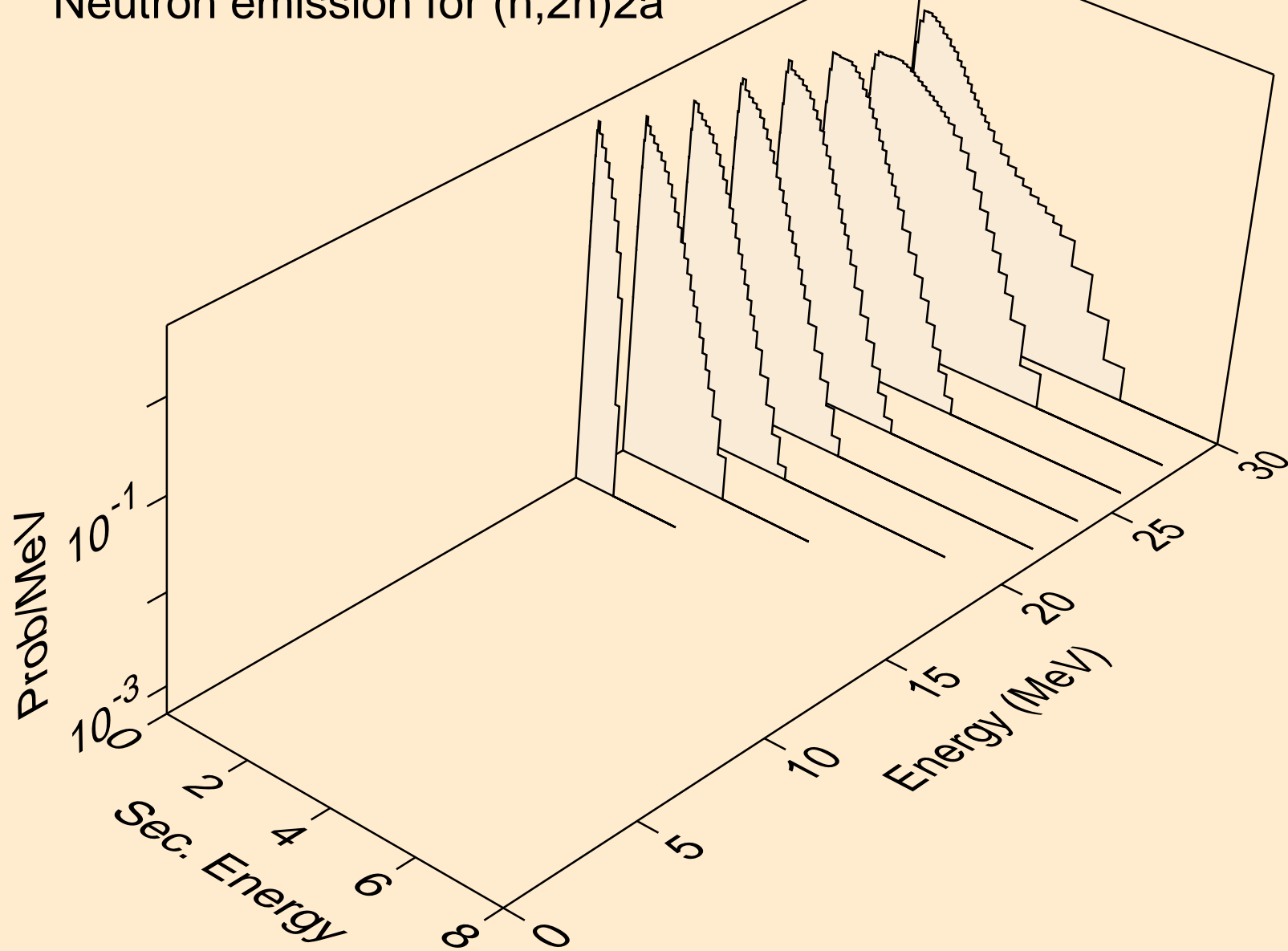
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



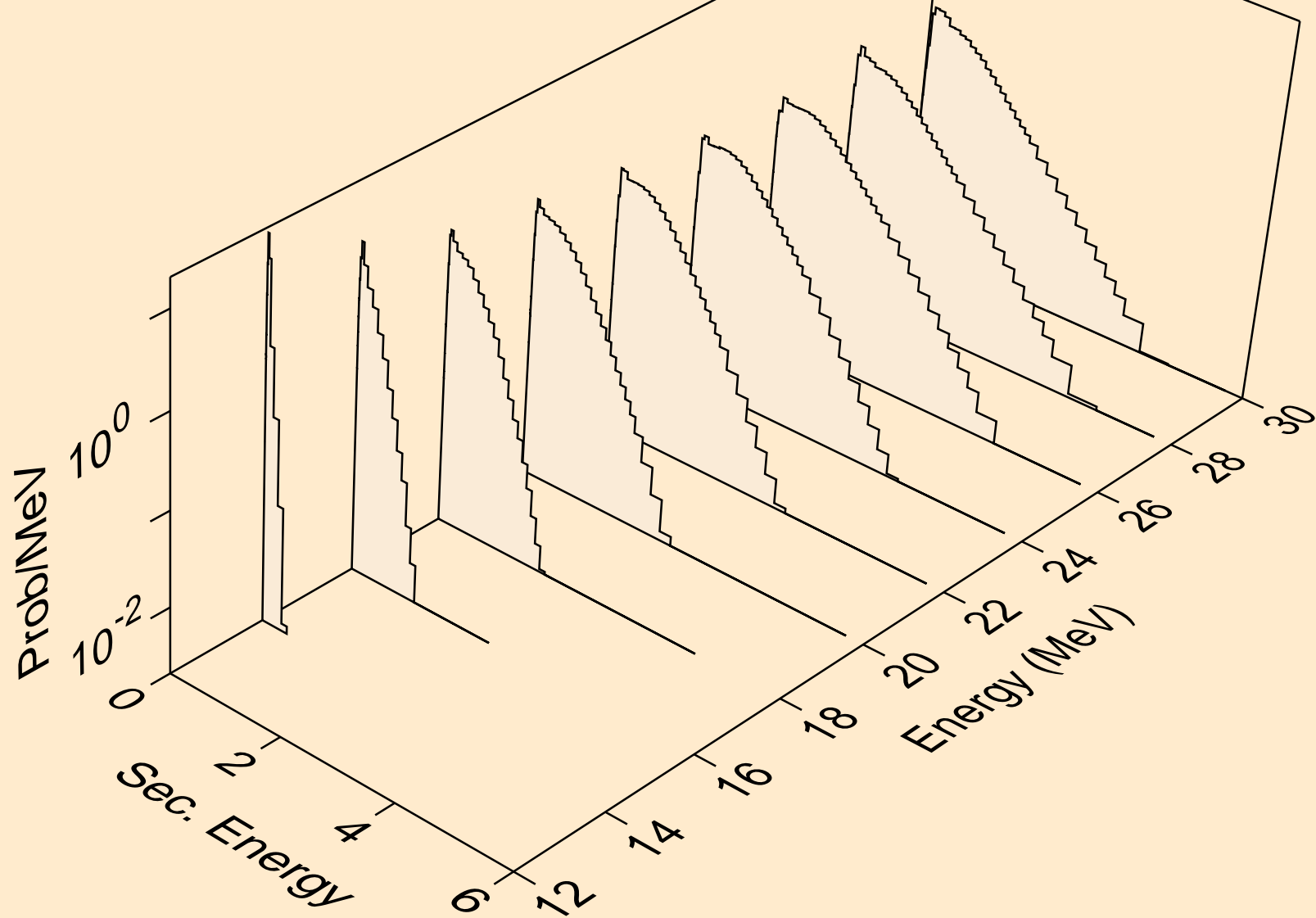
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Neutron emission for (n,n\*)2a



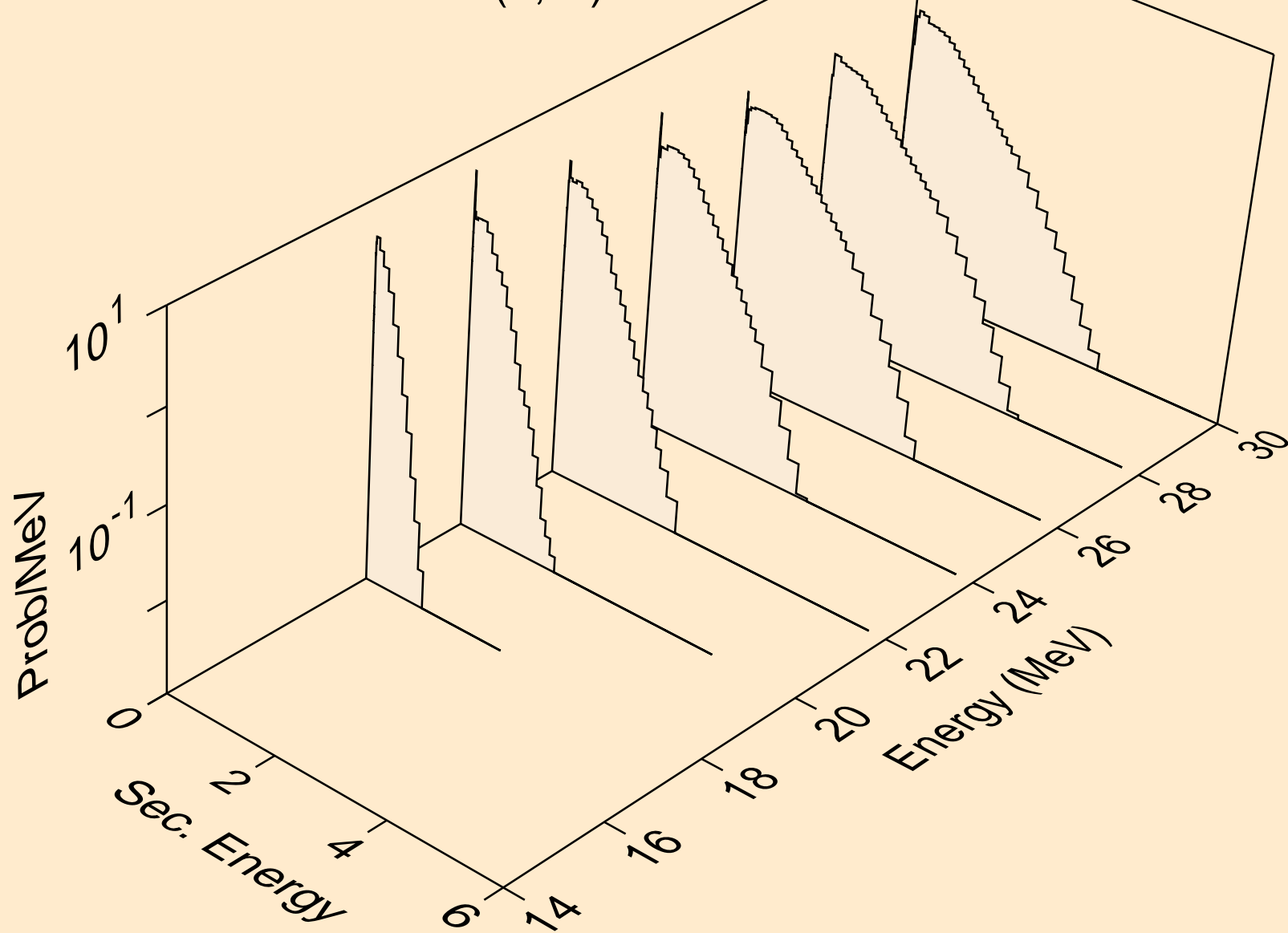
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Neutron emission for (n,2n)2a



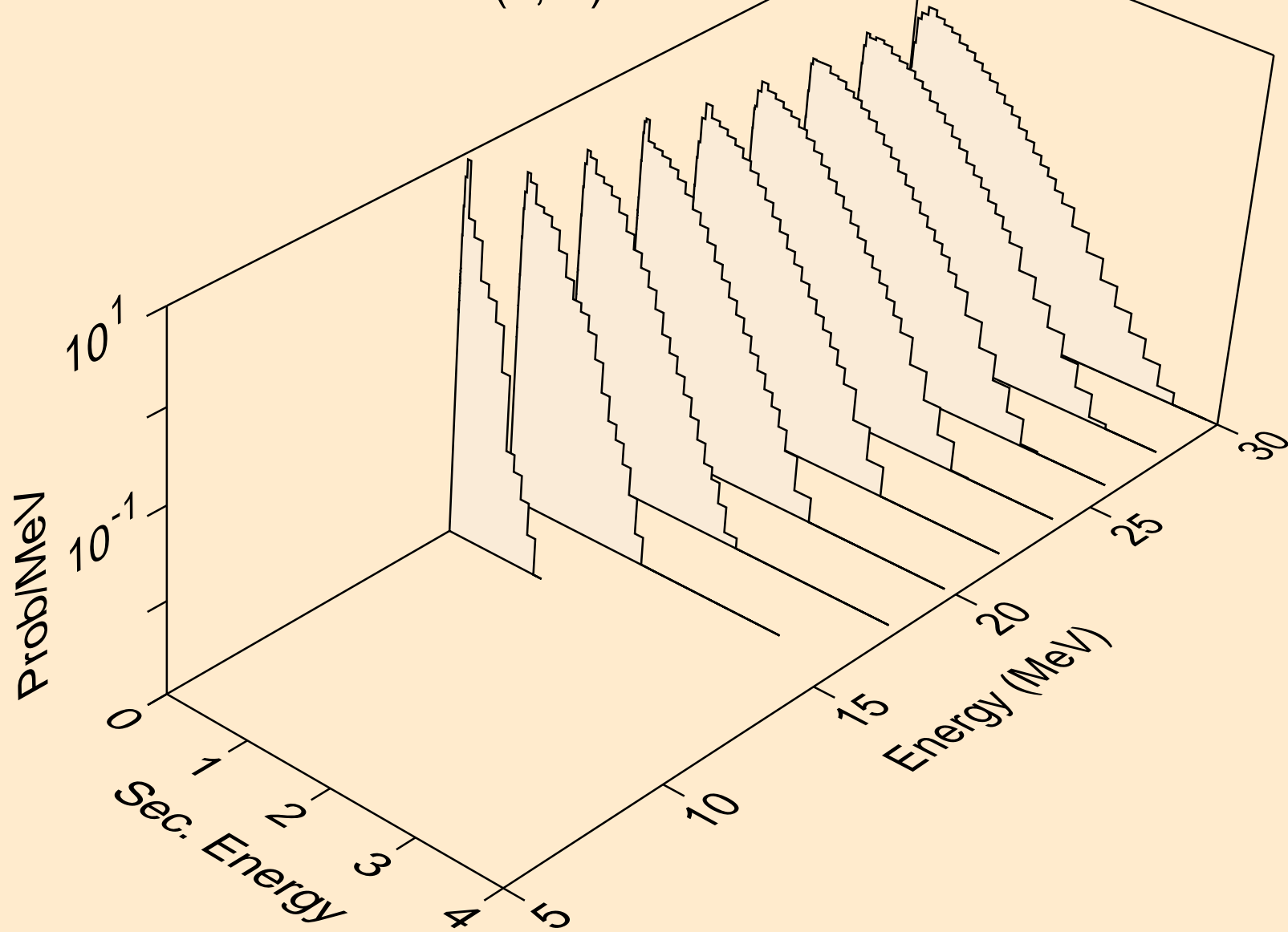
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)d



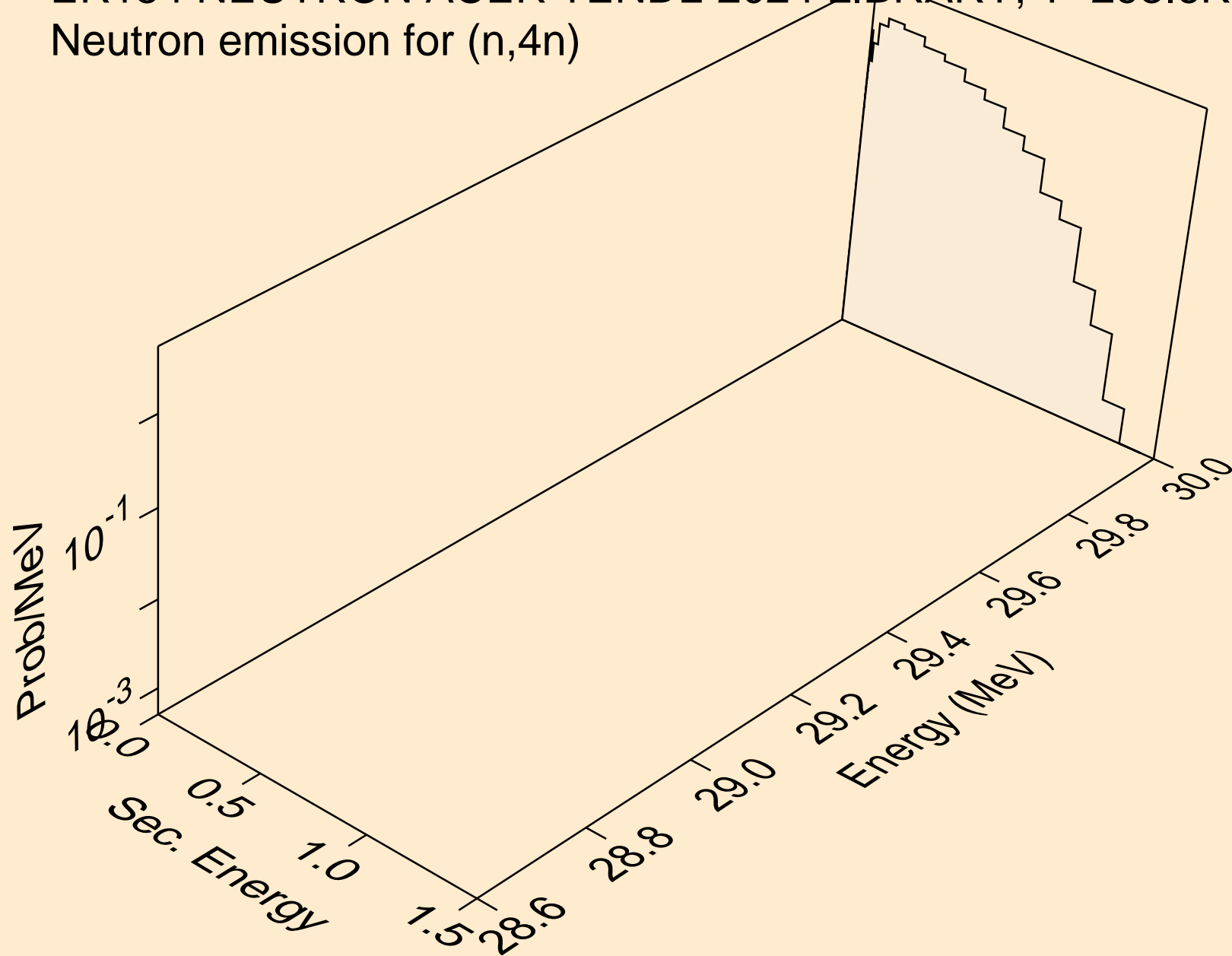
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



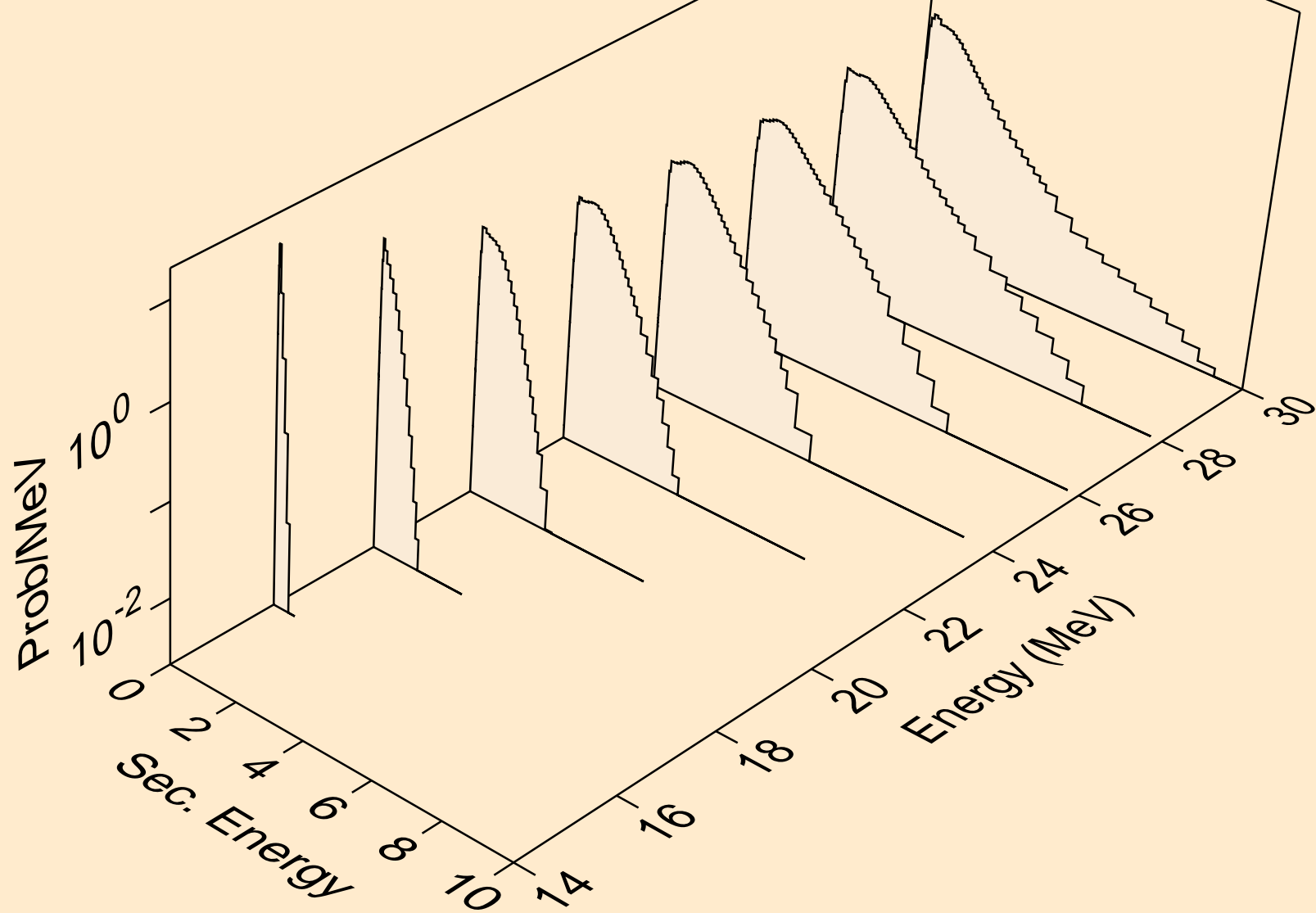
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



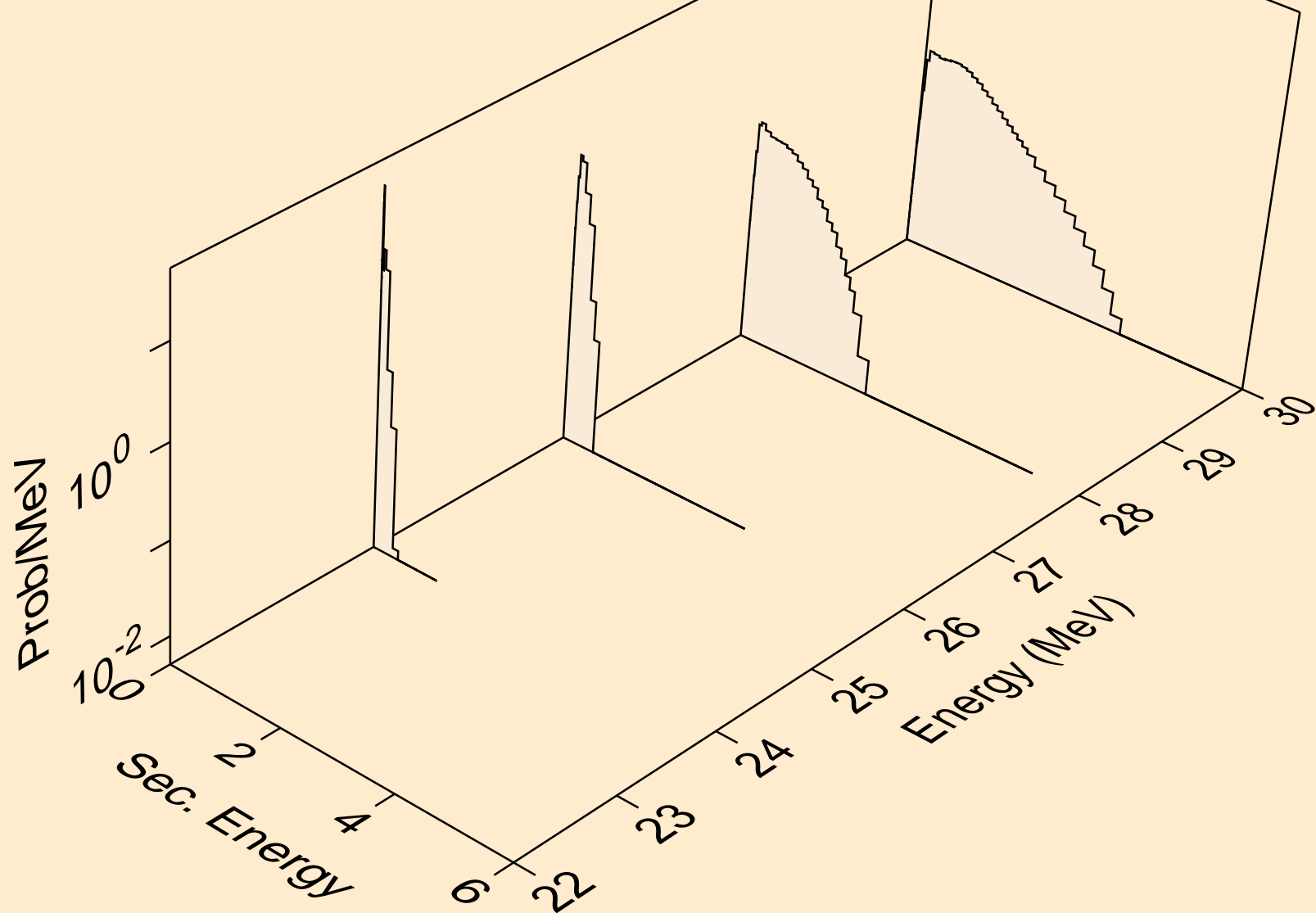
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,4n)



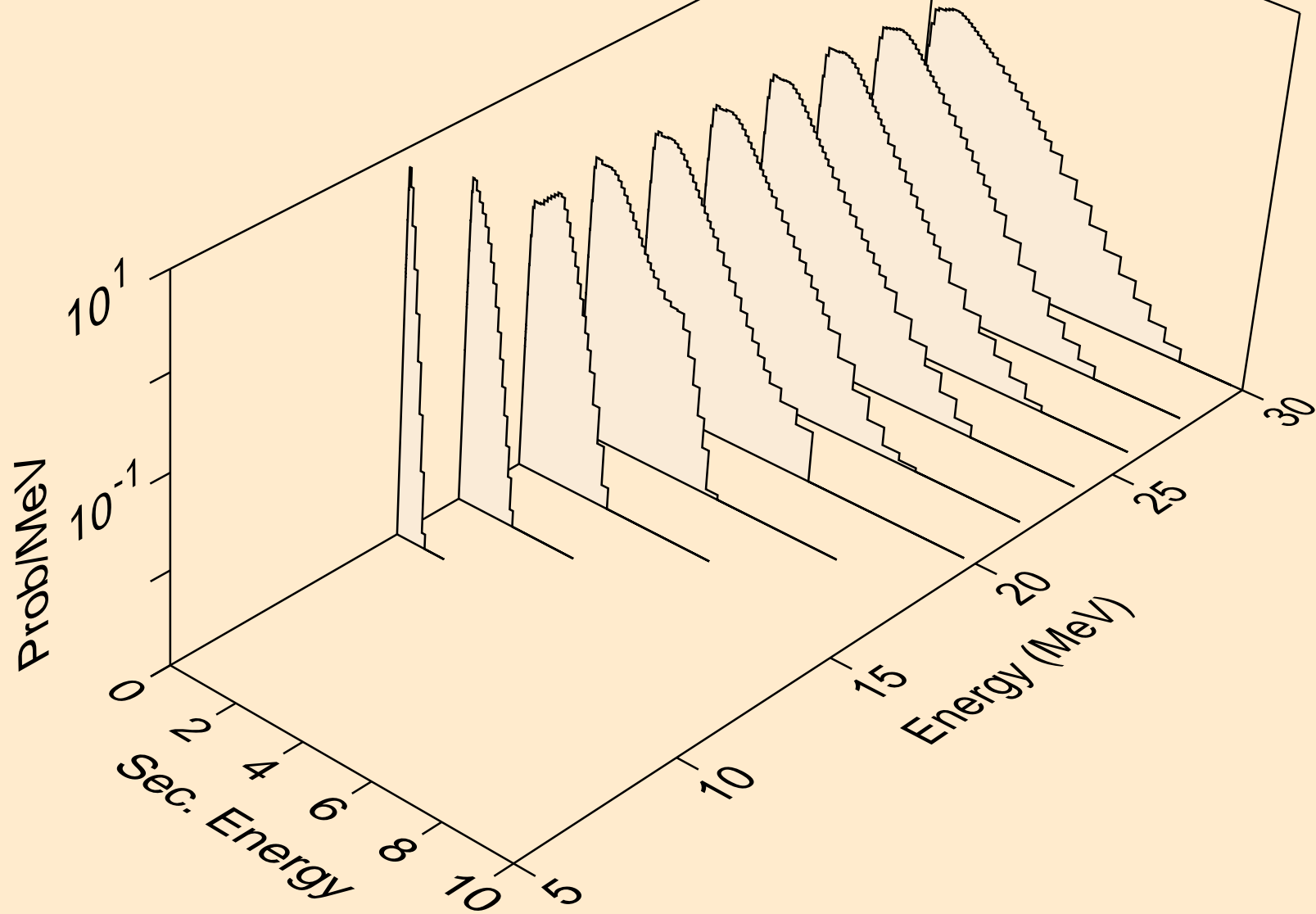
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Neutron emission for (n,2np)



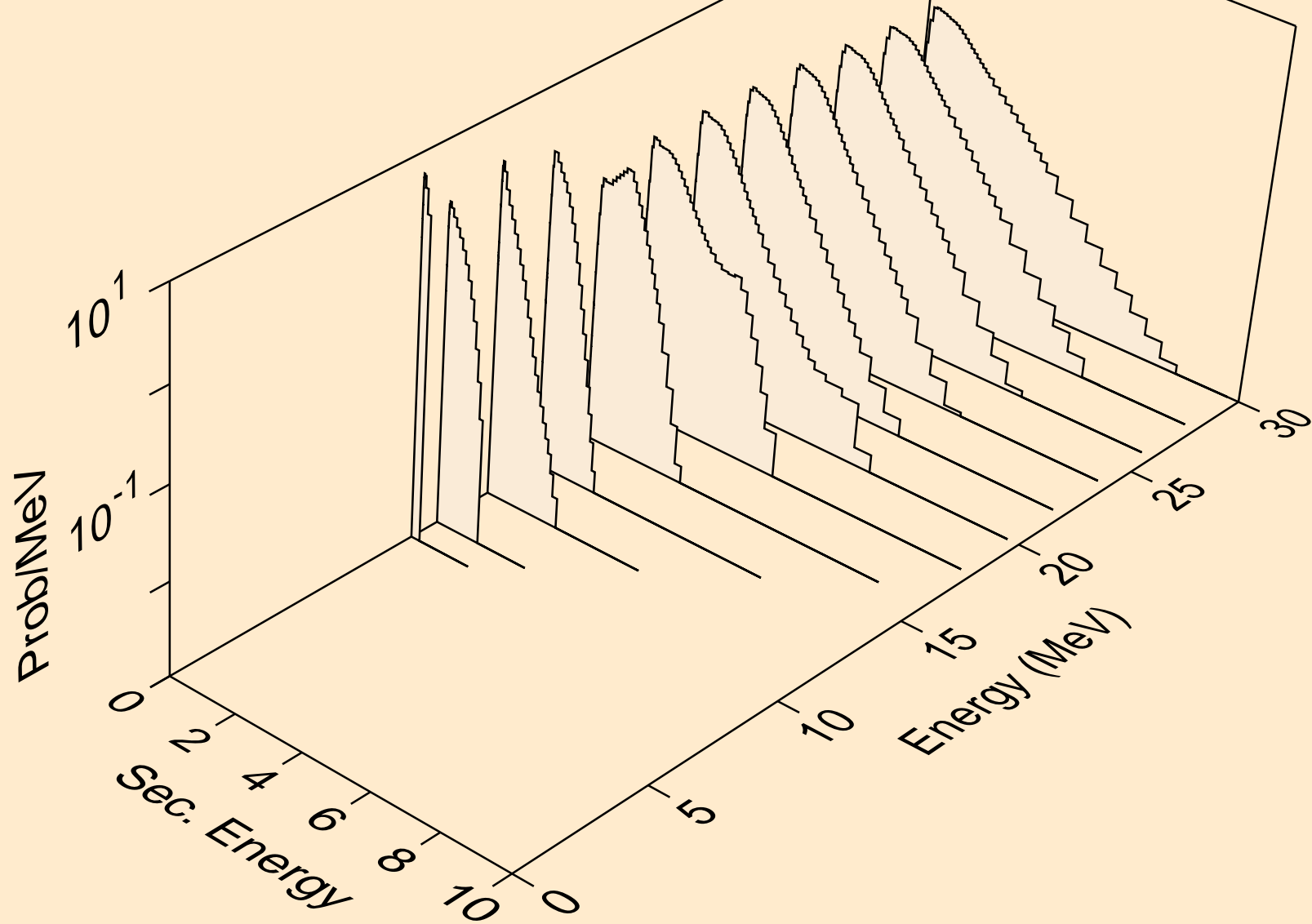
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Neutron emission for (n,3np)



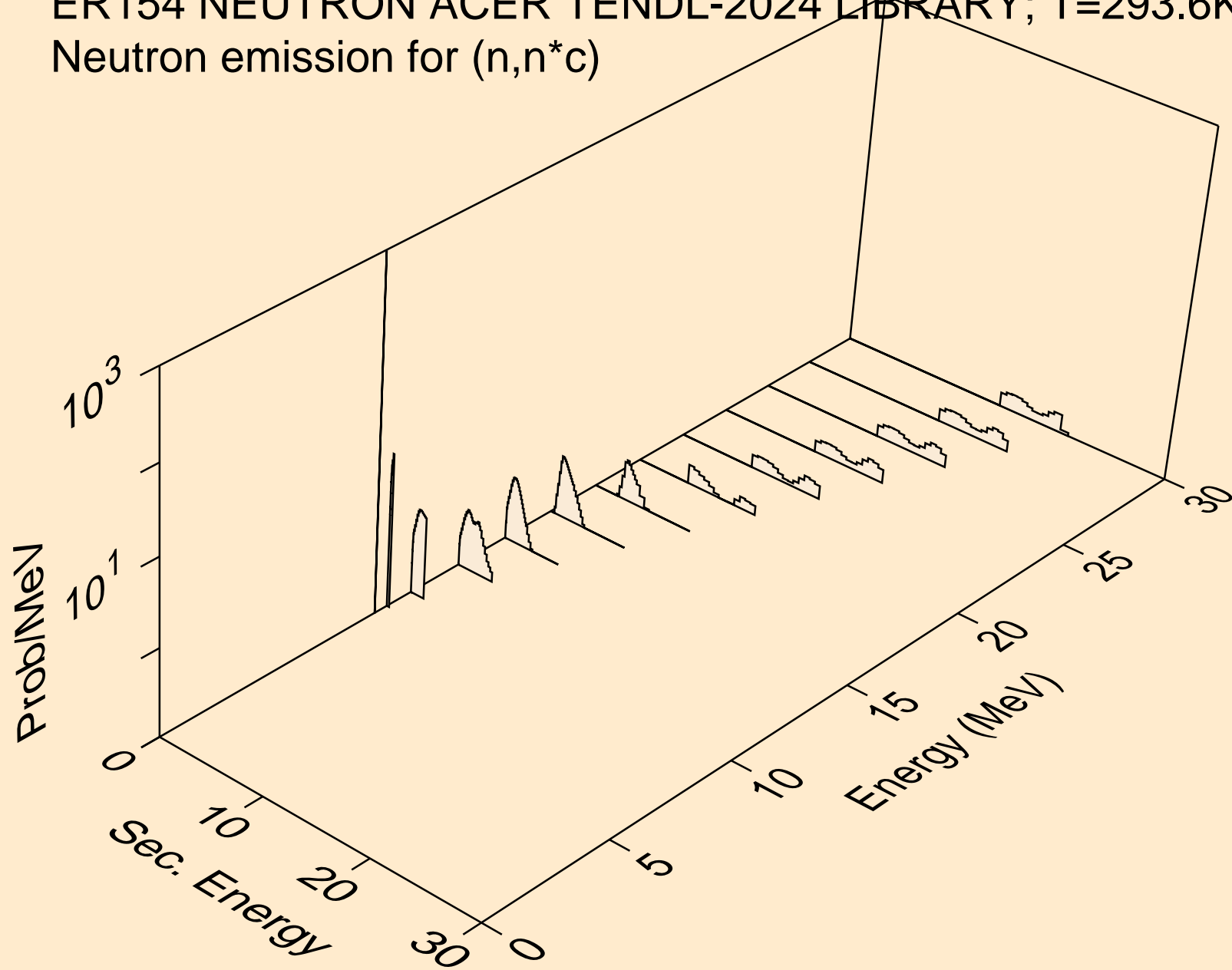
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Neutron emission for (n,n2p)



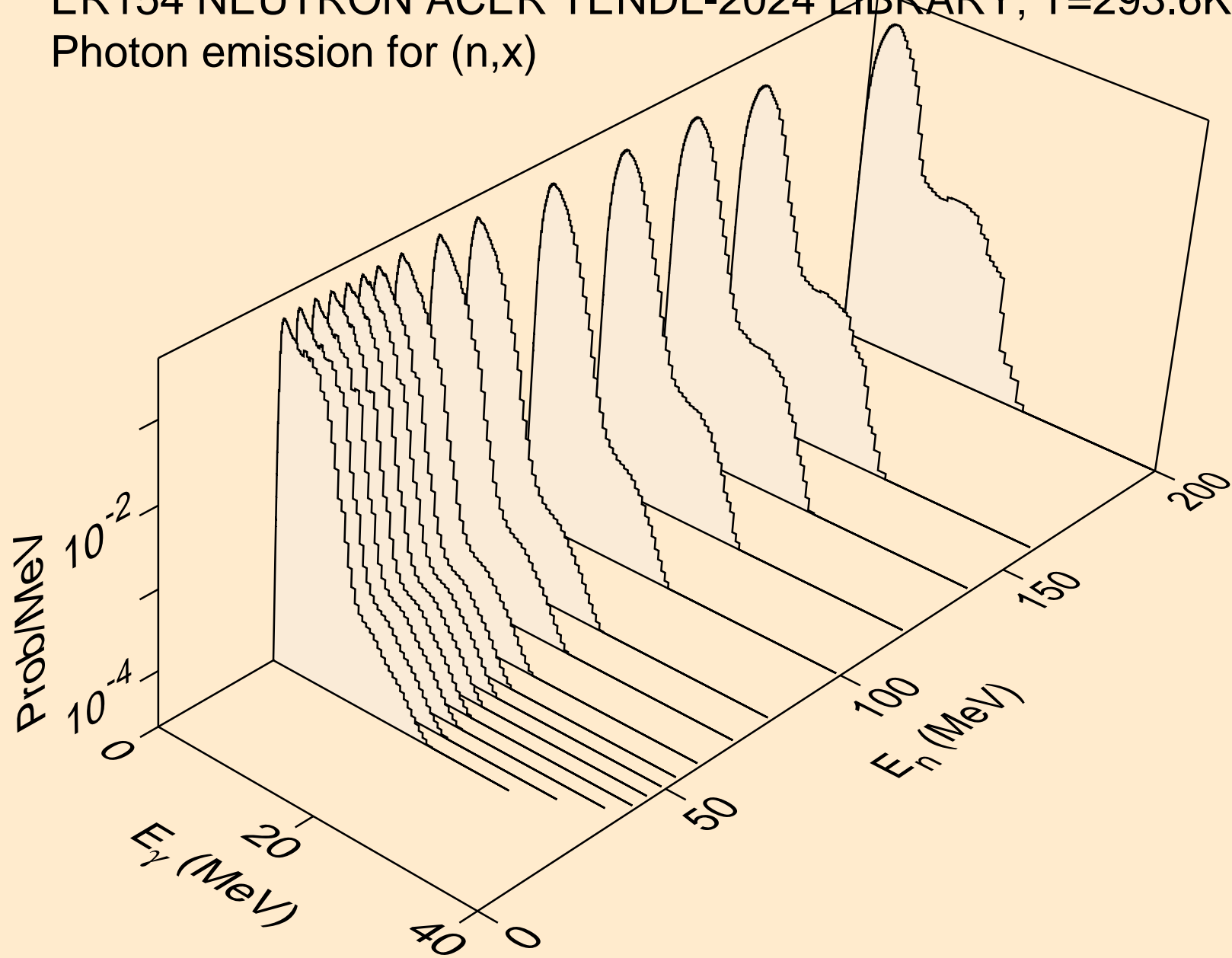
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Neutron emission for (n,npa)



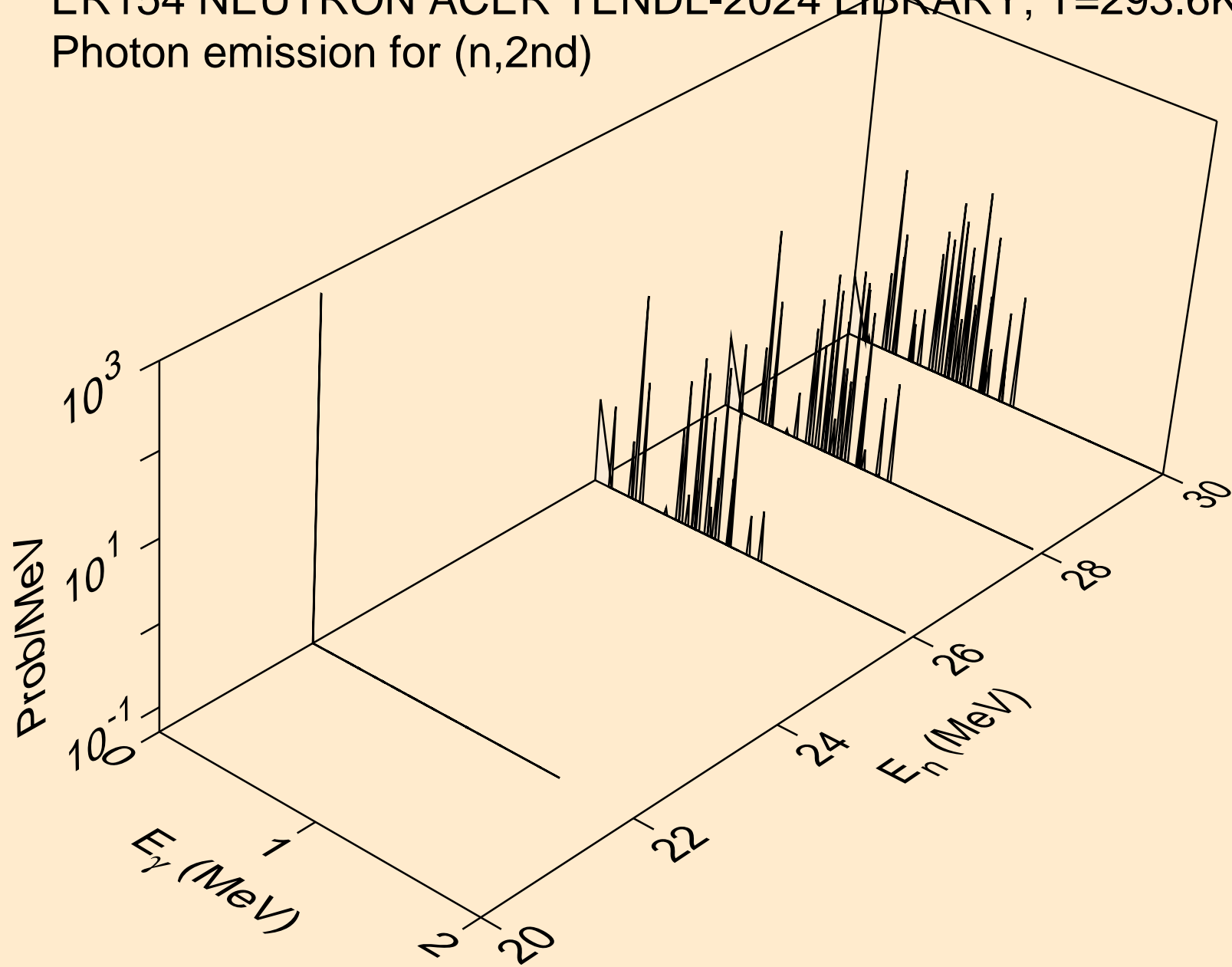
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Neutron emission for (n,n\*c)



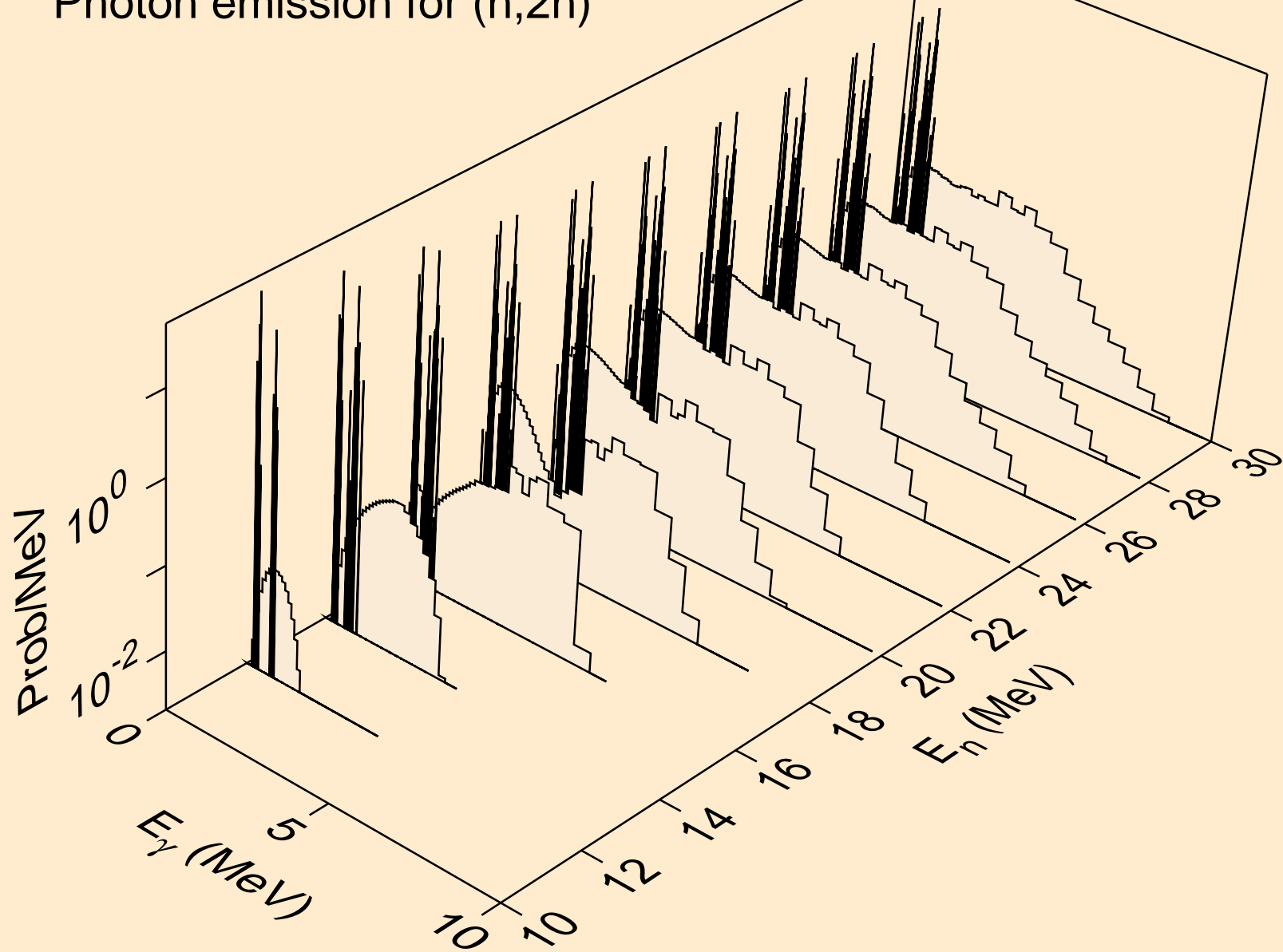
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Photon emission for (n,x)



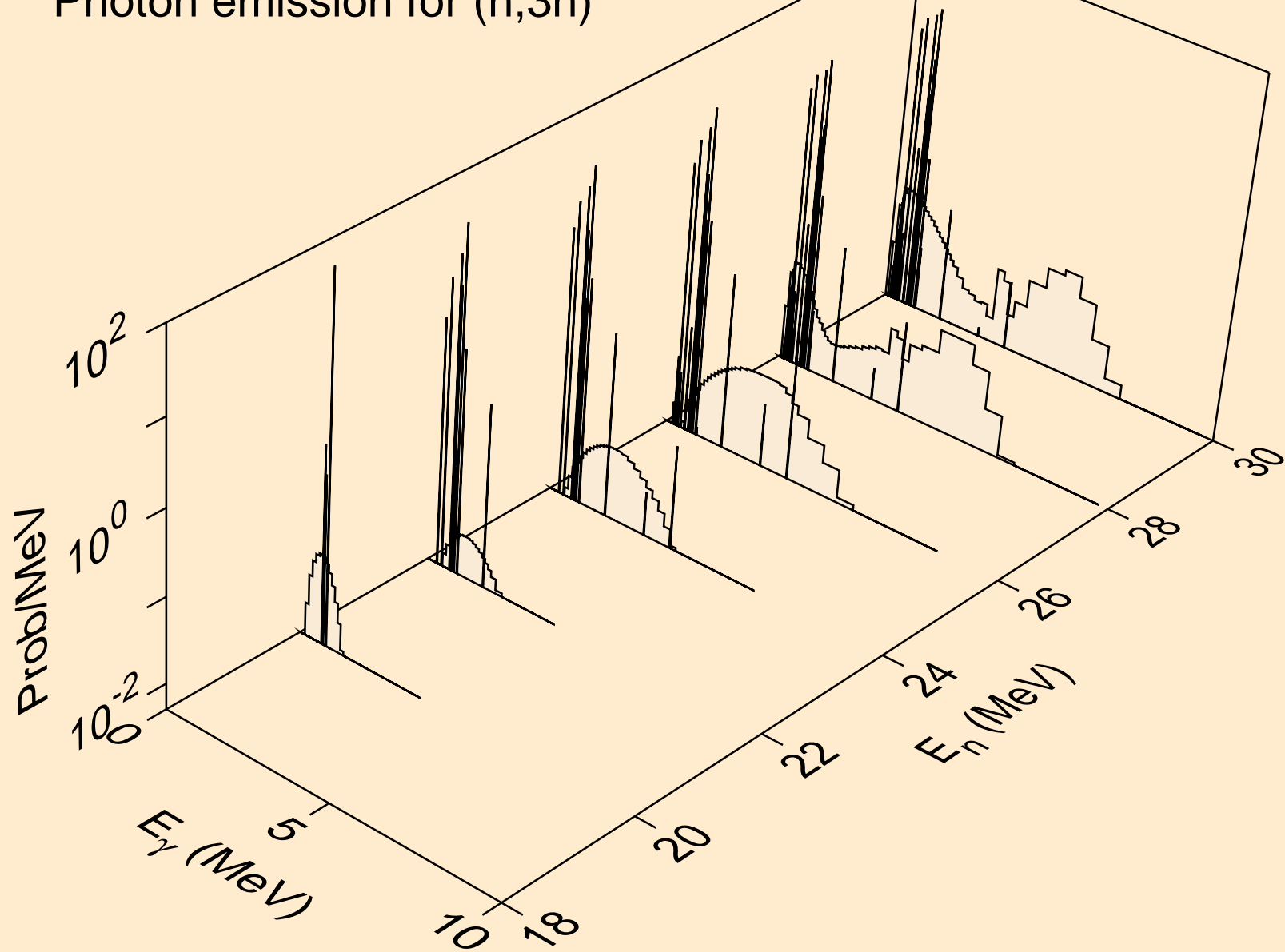
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Photon emission for (n,2nd)



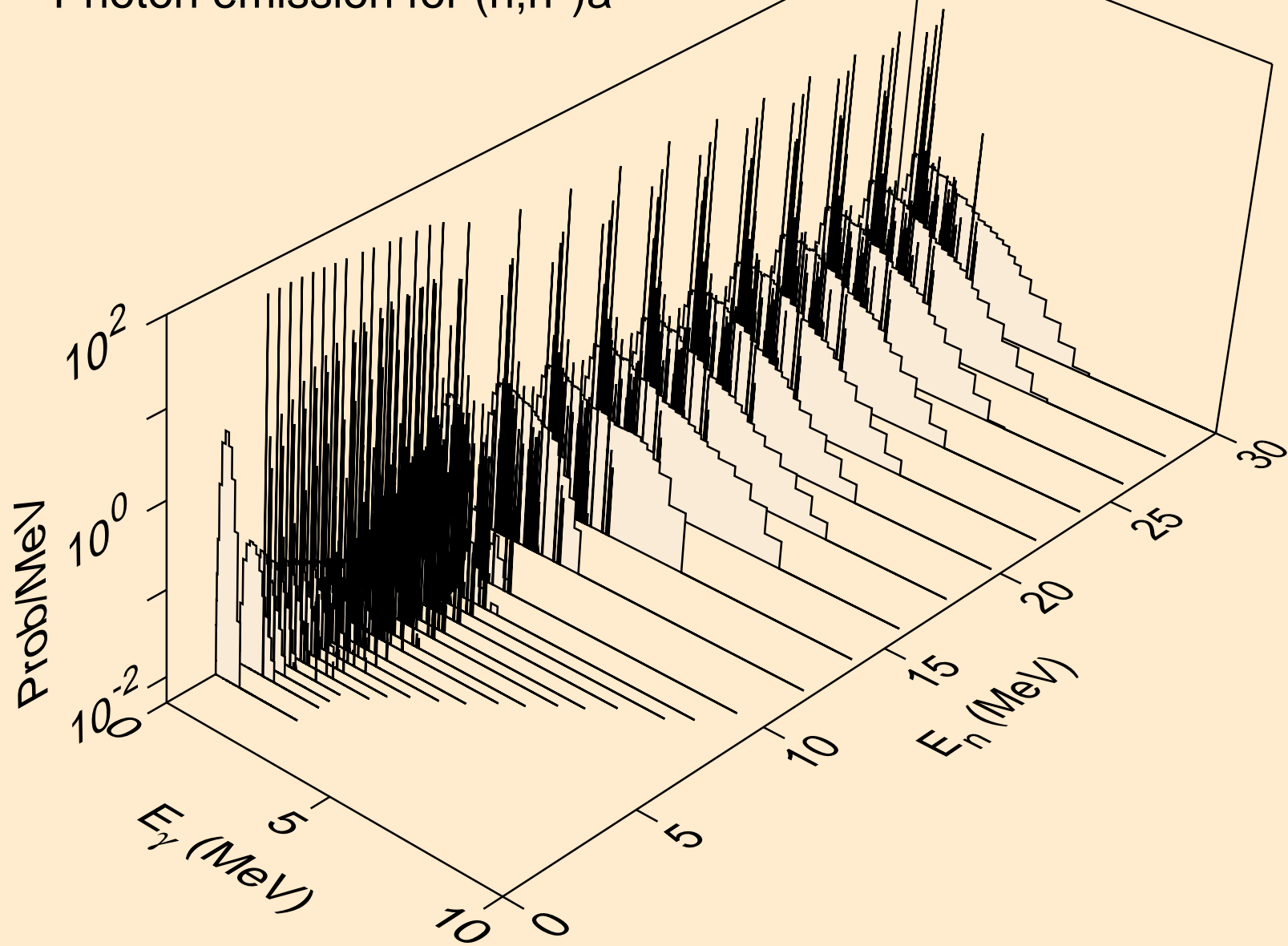
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Photon emission for (n,2n)



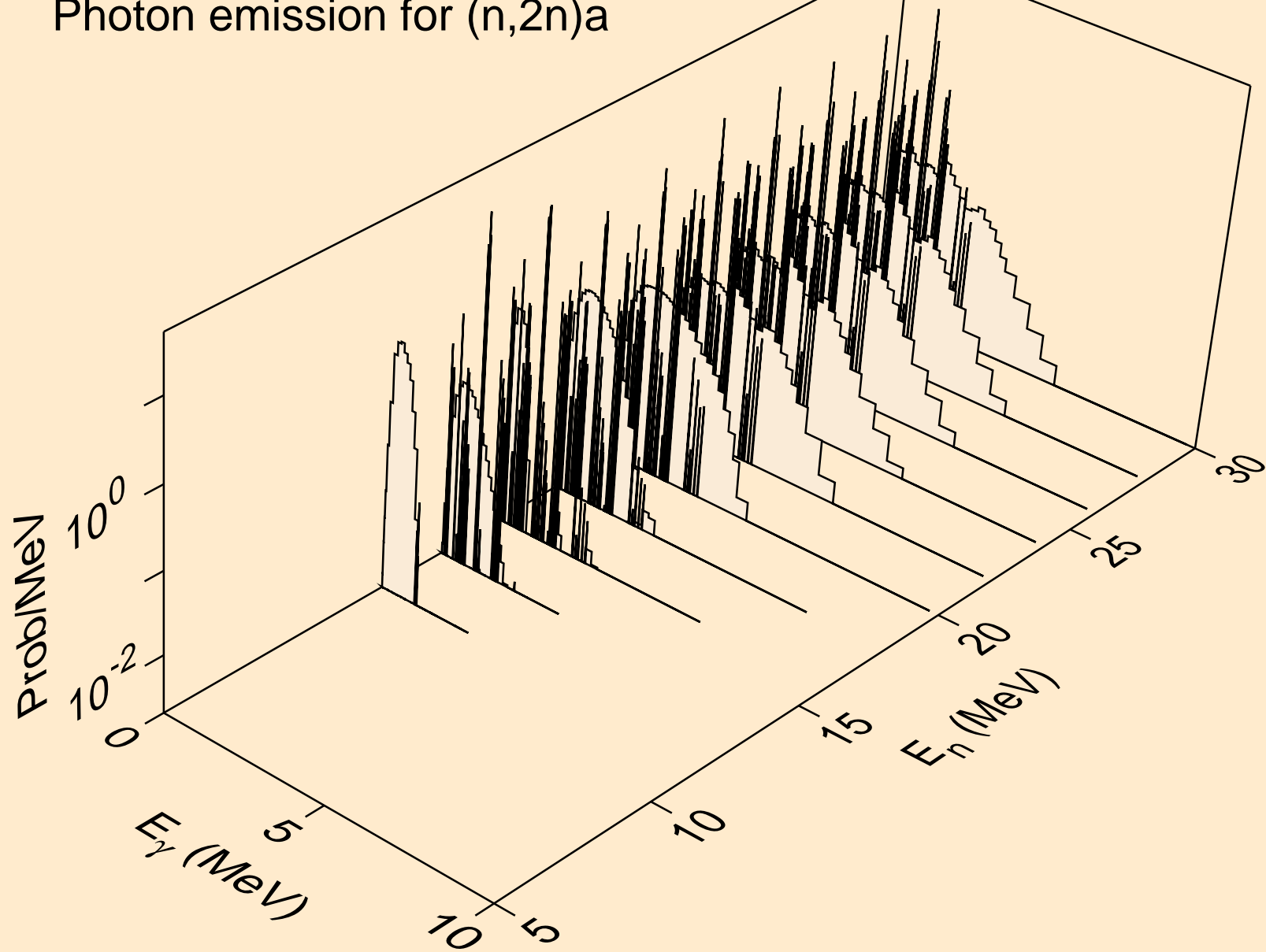
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



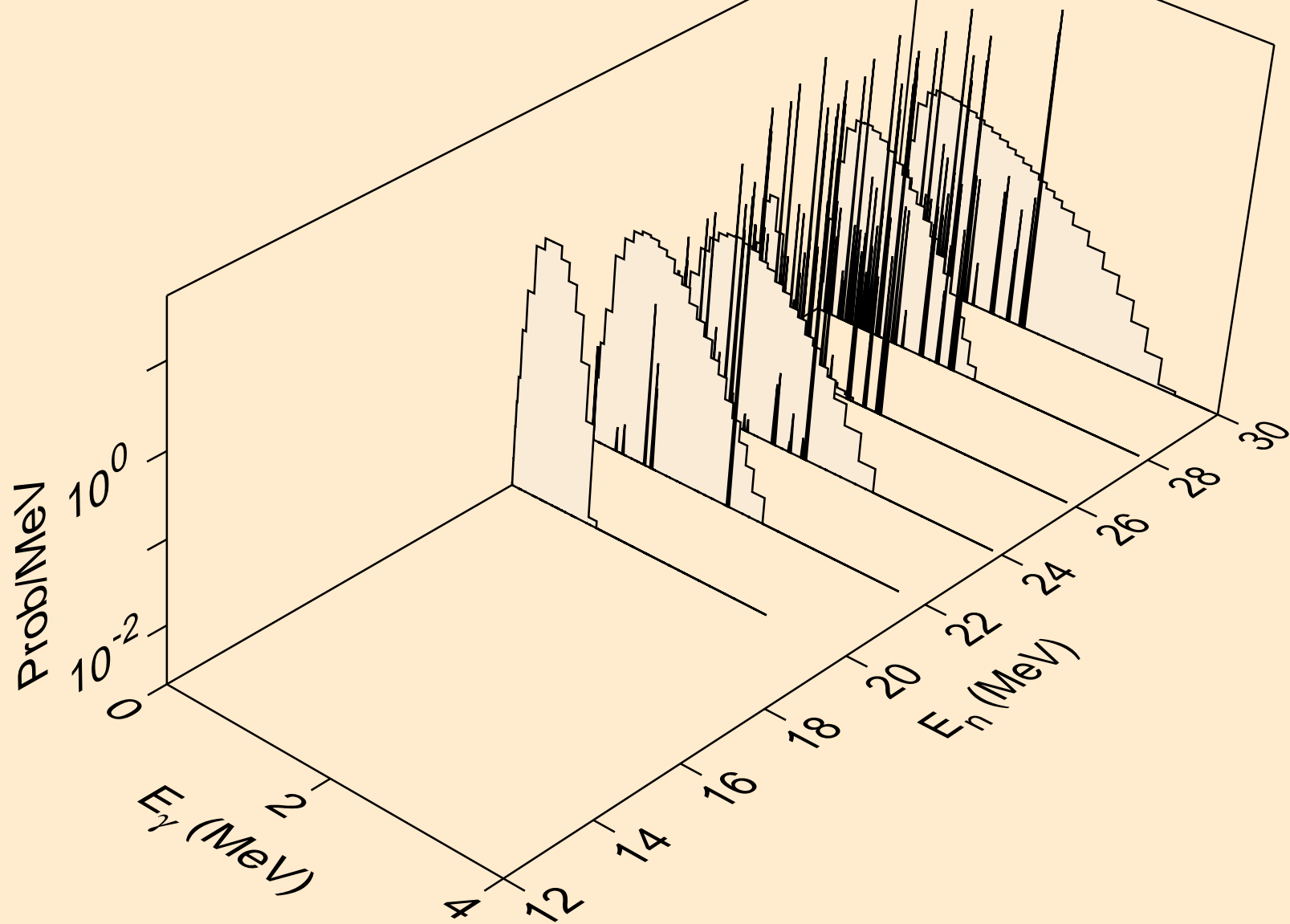
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



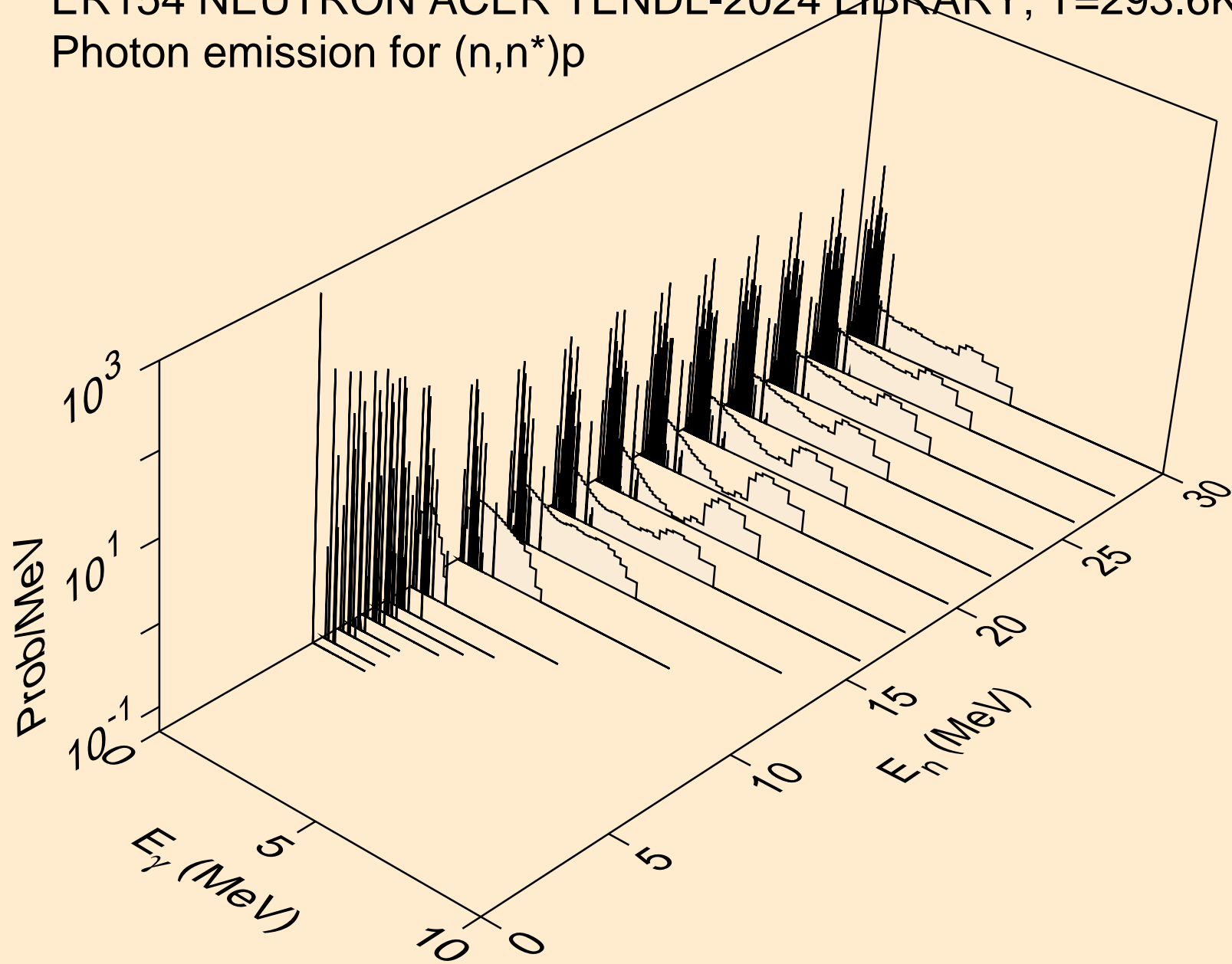
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)a



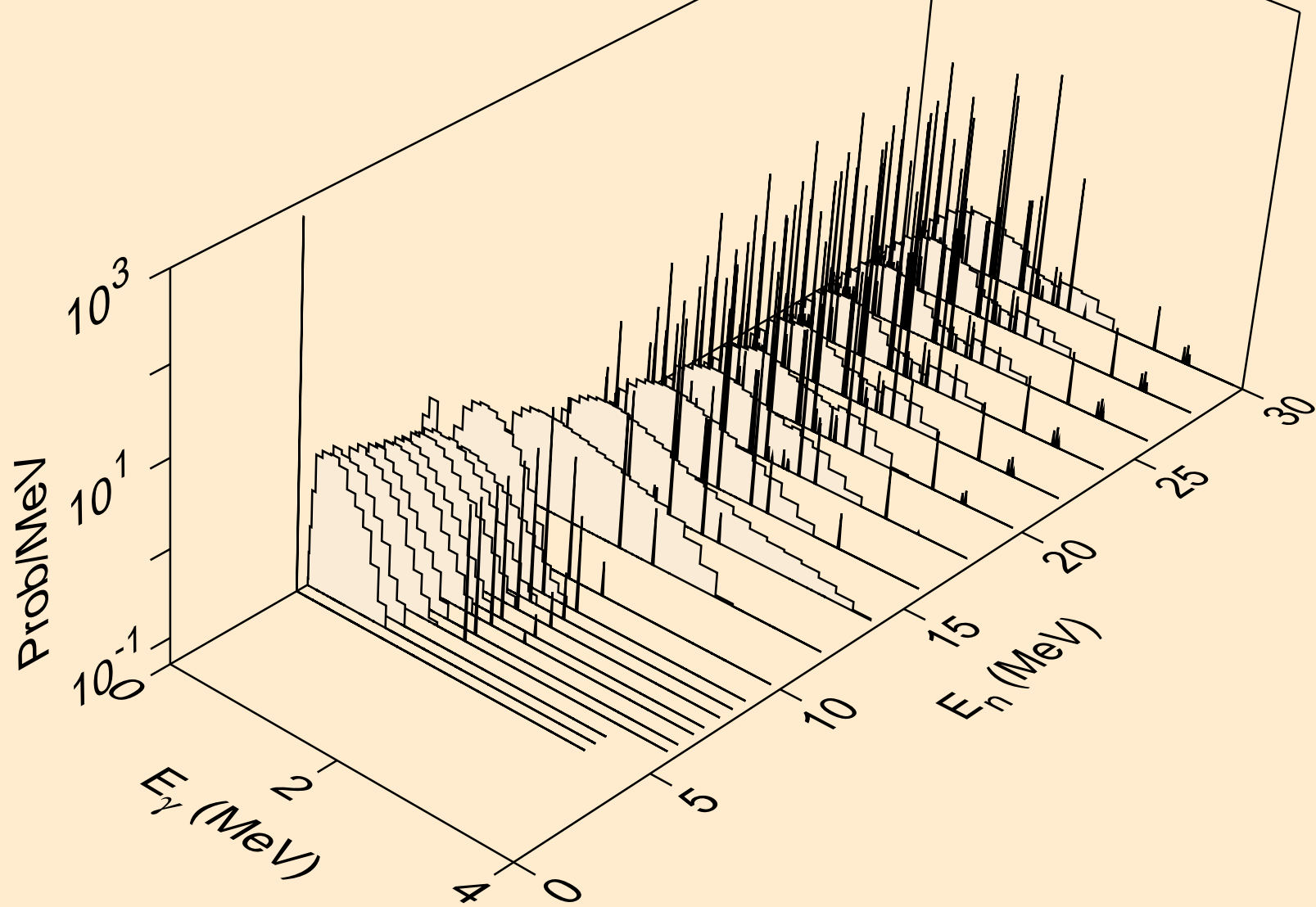
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Photon emission for (n,3n)a



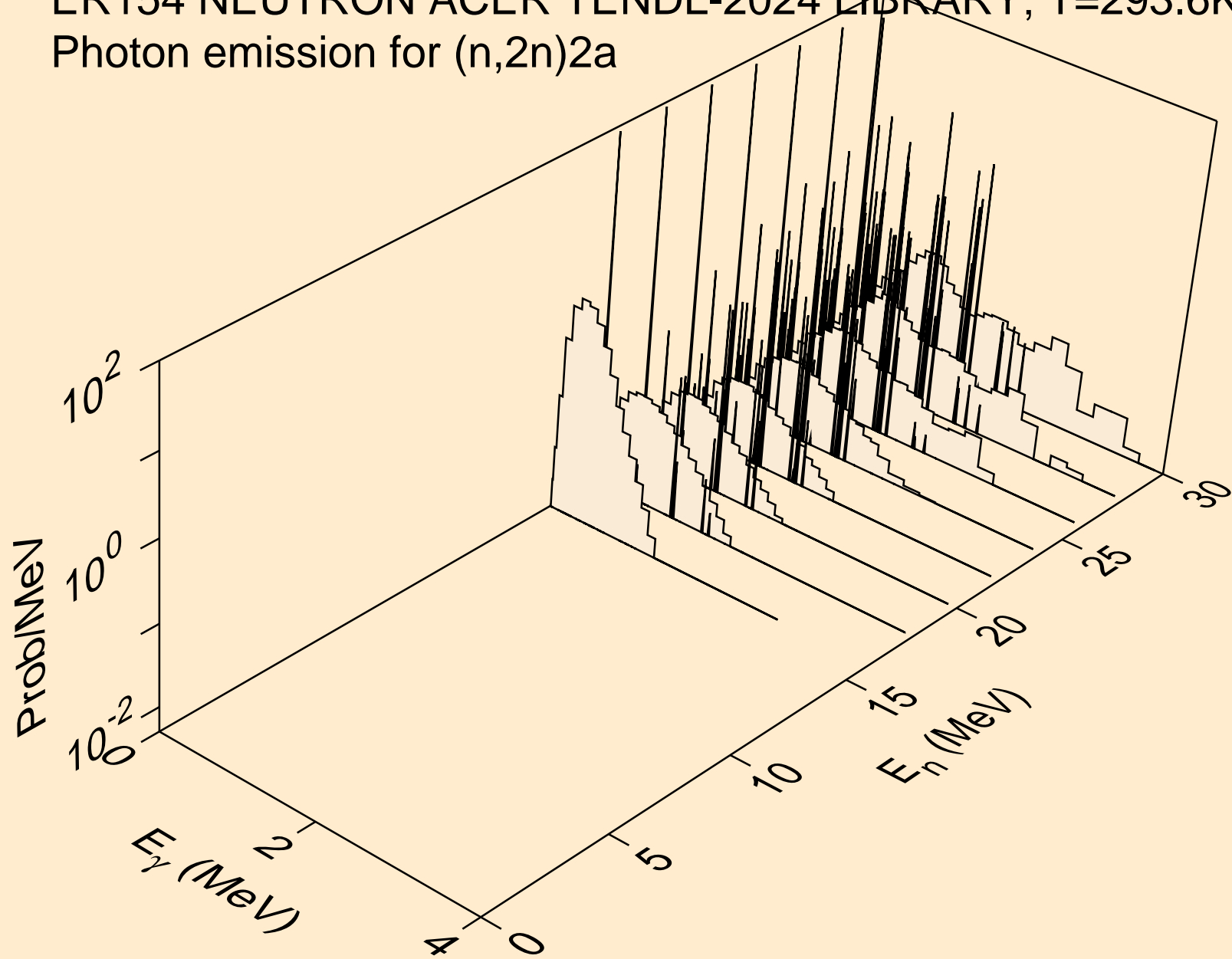
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



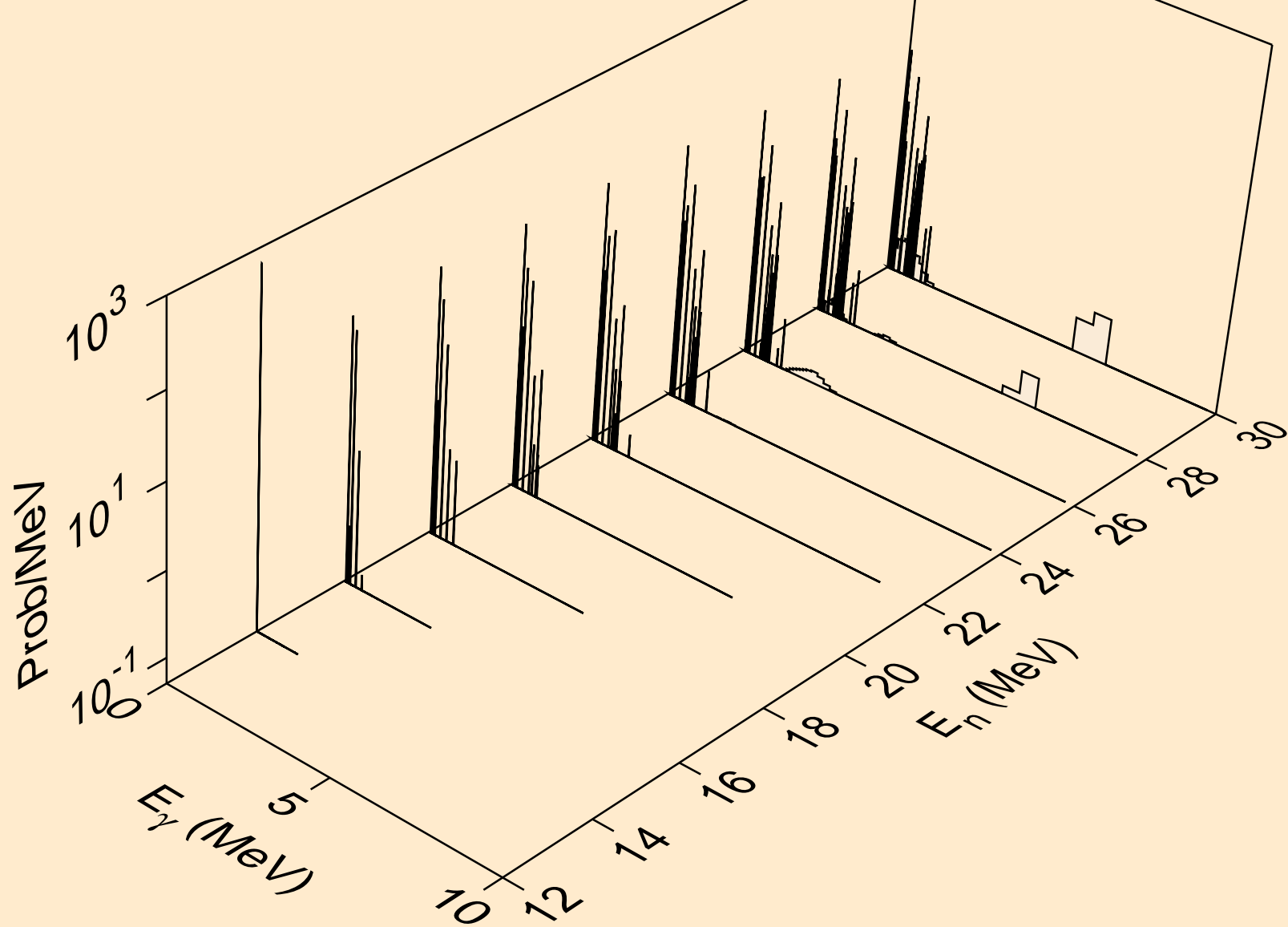
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Photon emission for (n,n\*)2a



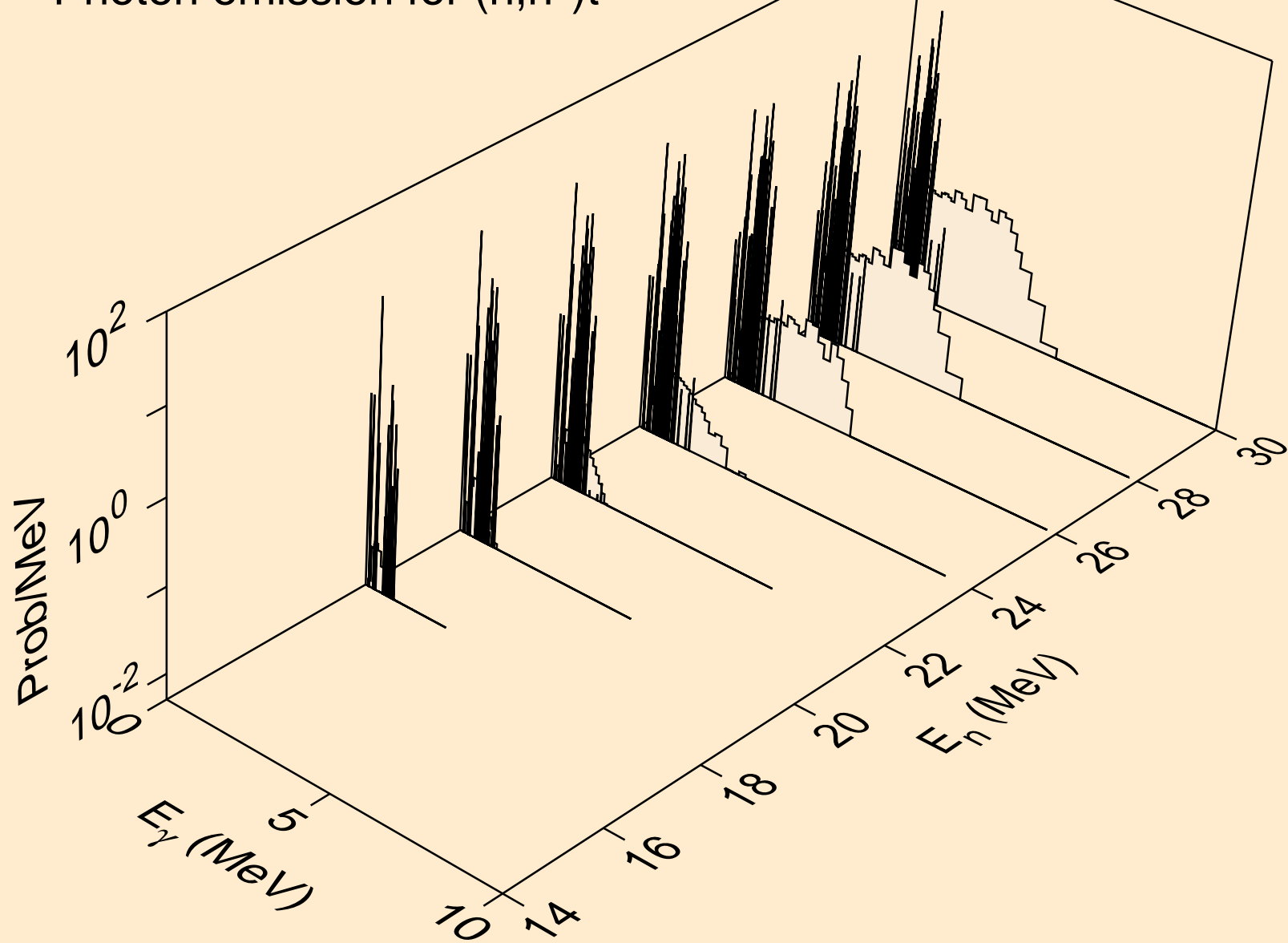
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Photon emission for (n,2n)2a



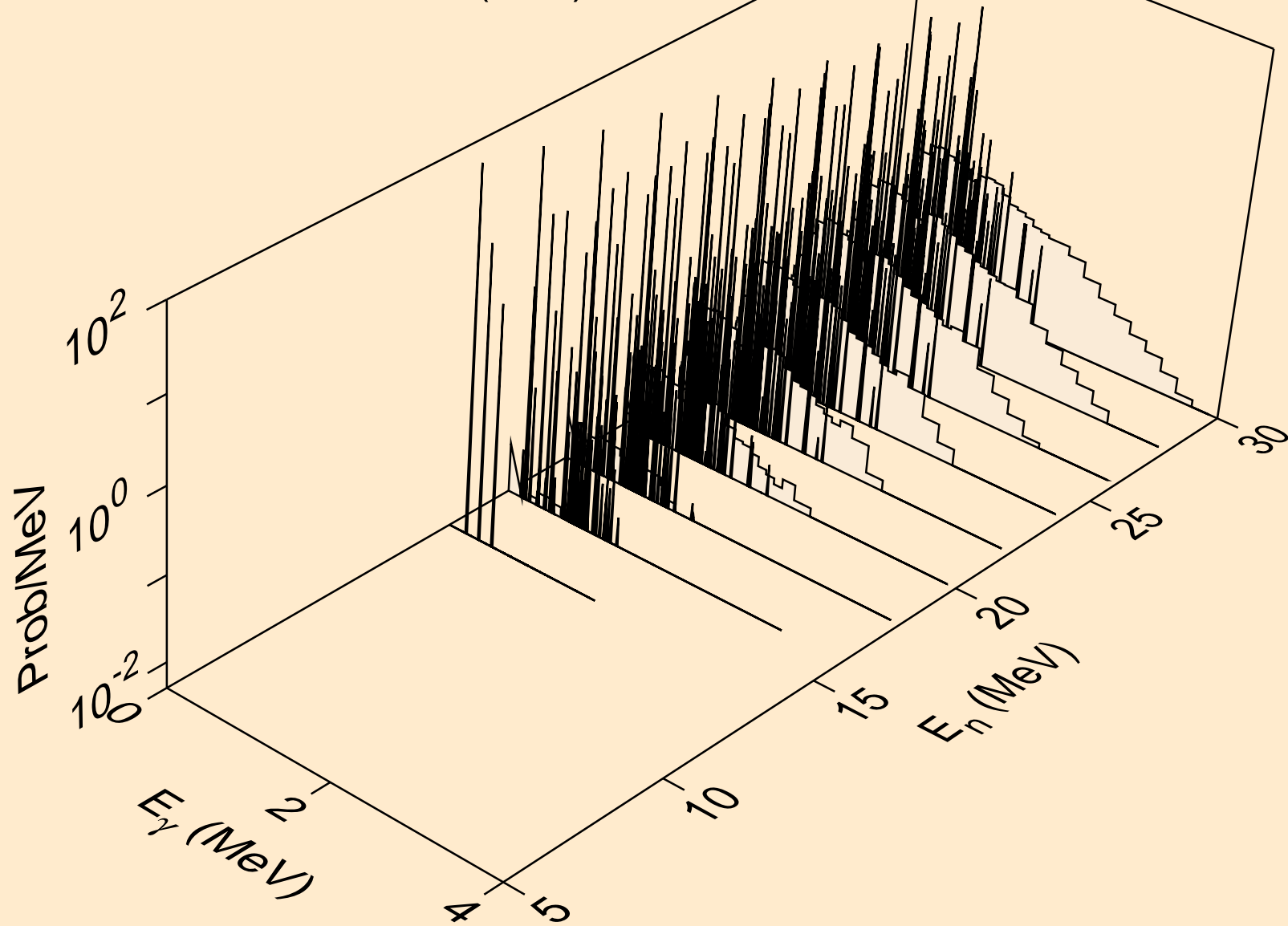
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Photon emission for (n,n\*)d



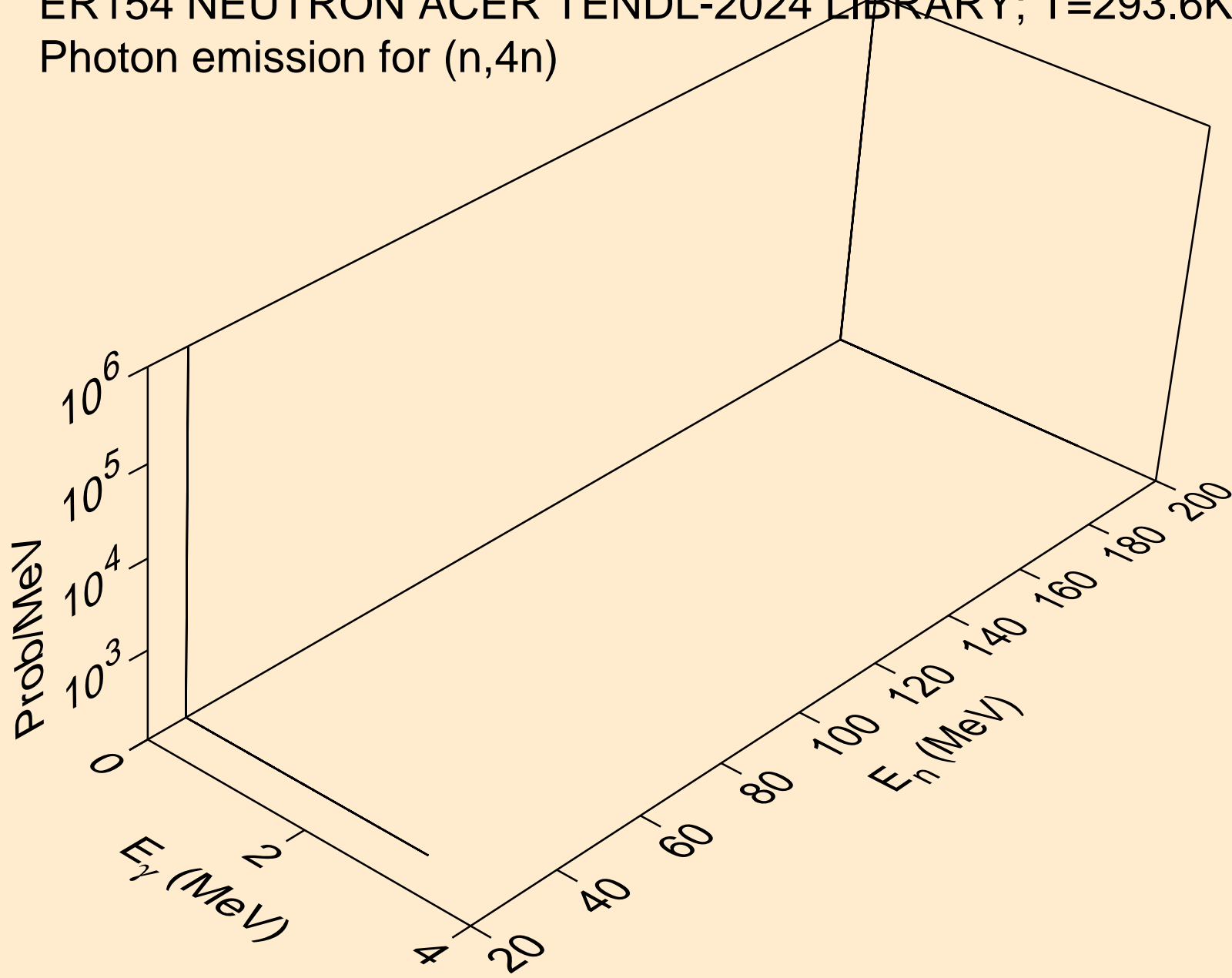
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



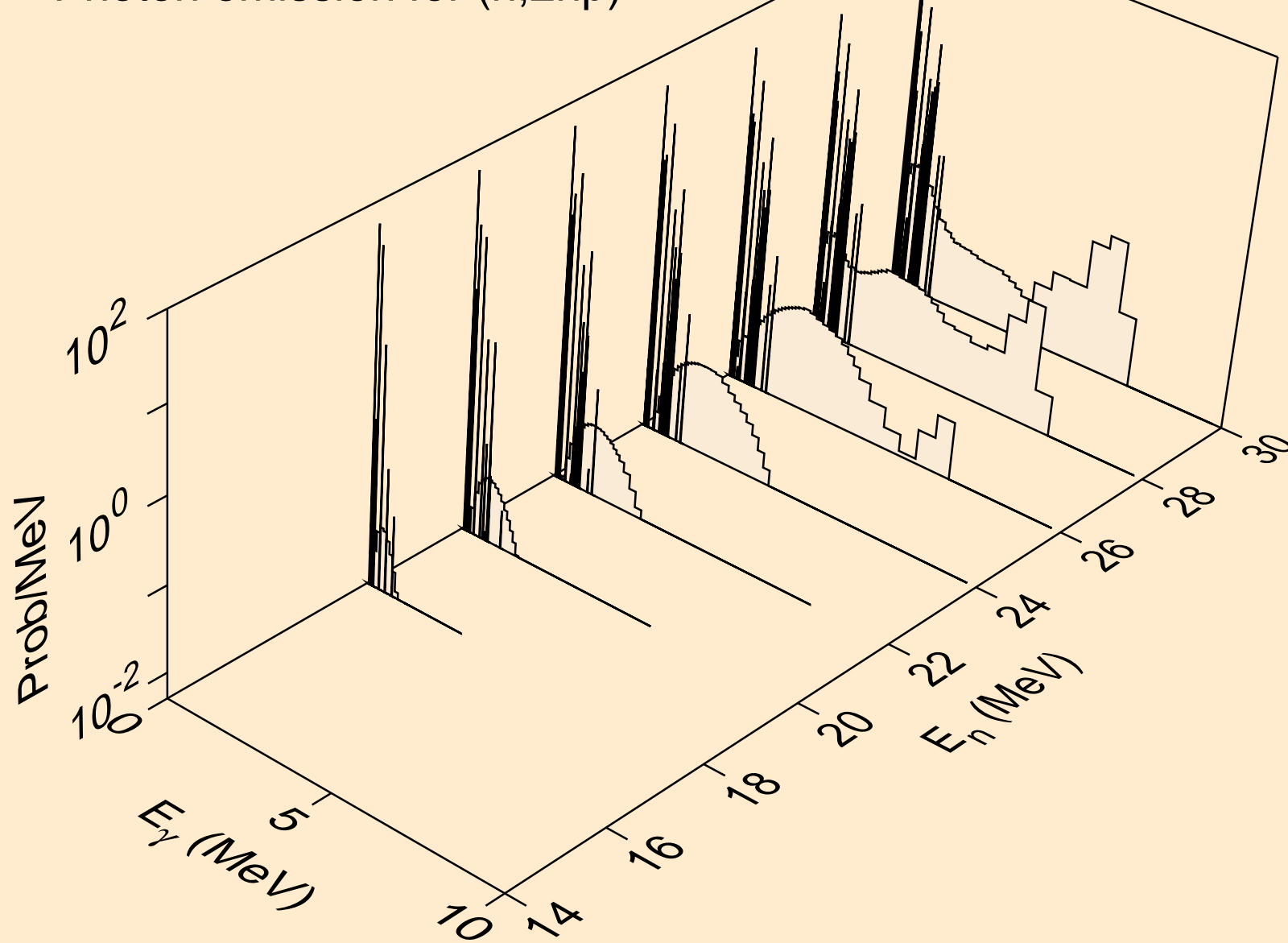
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



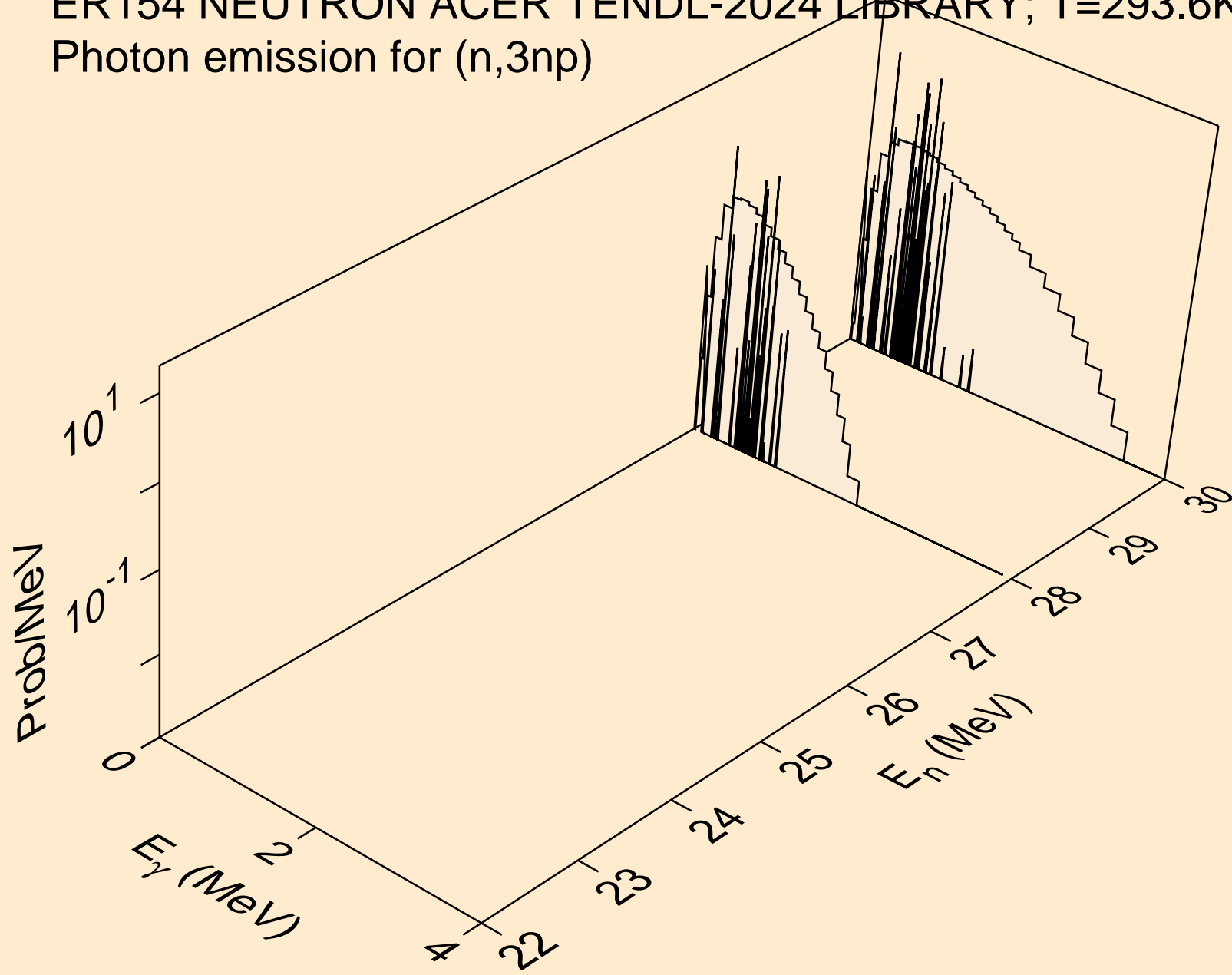
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,4n)



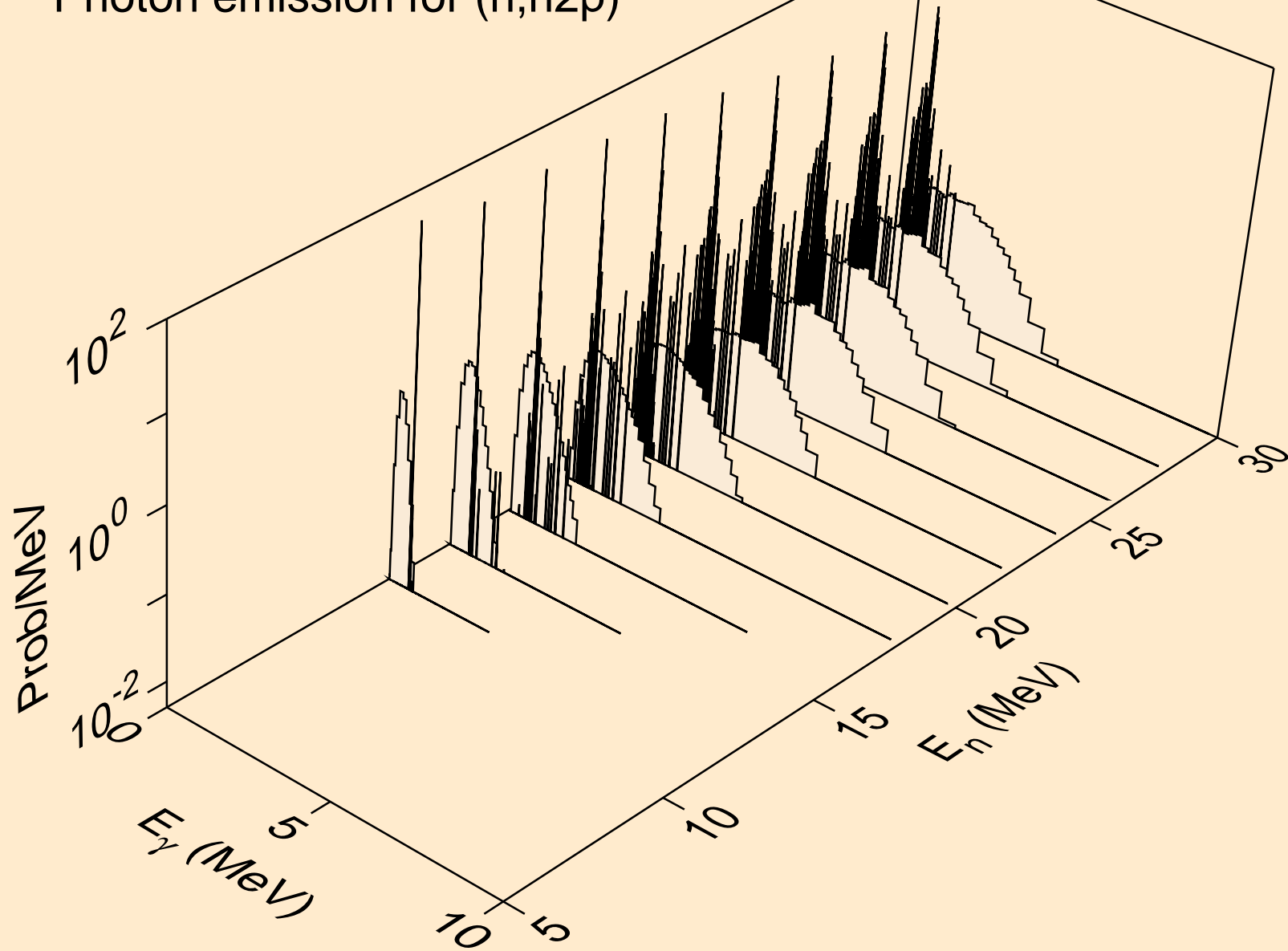
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



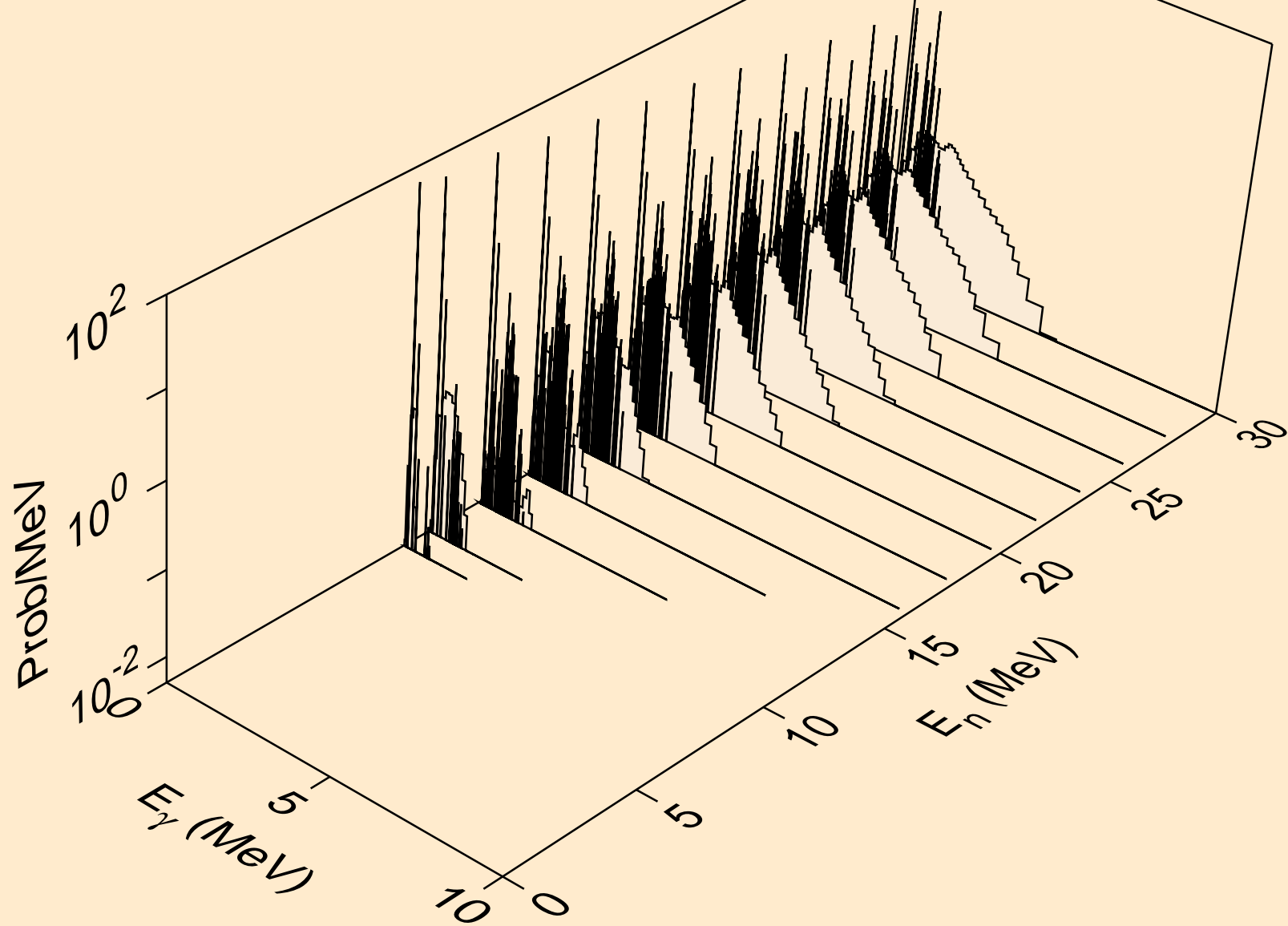
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



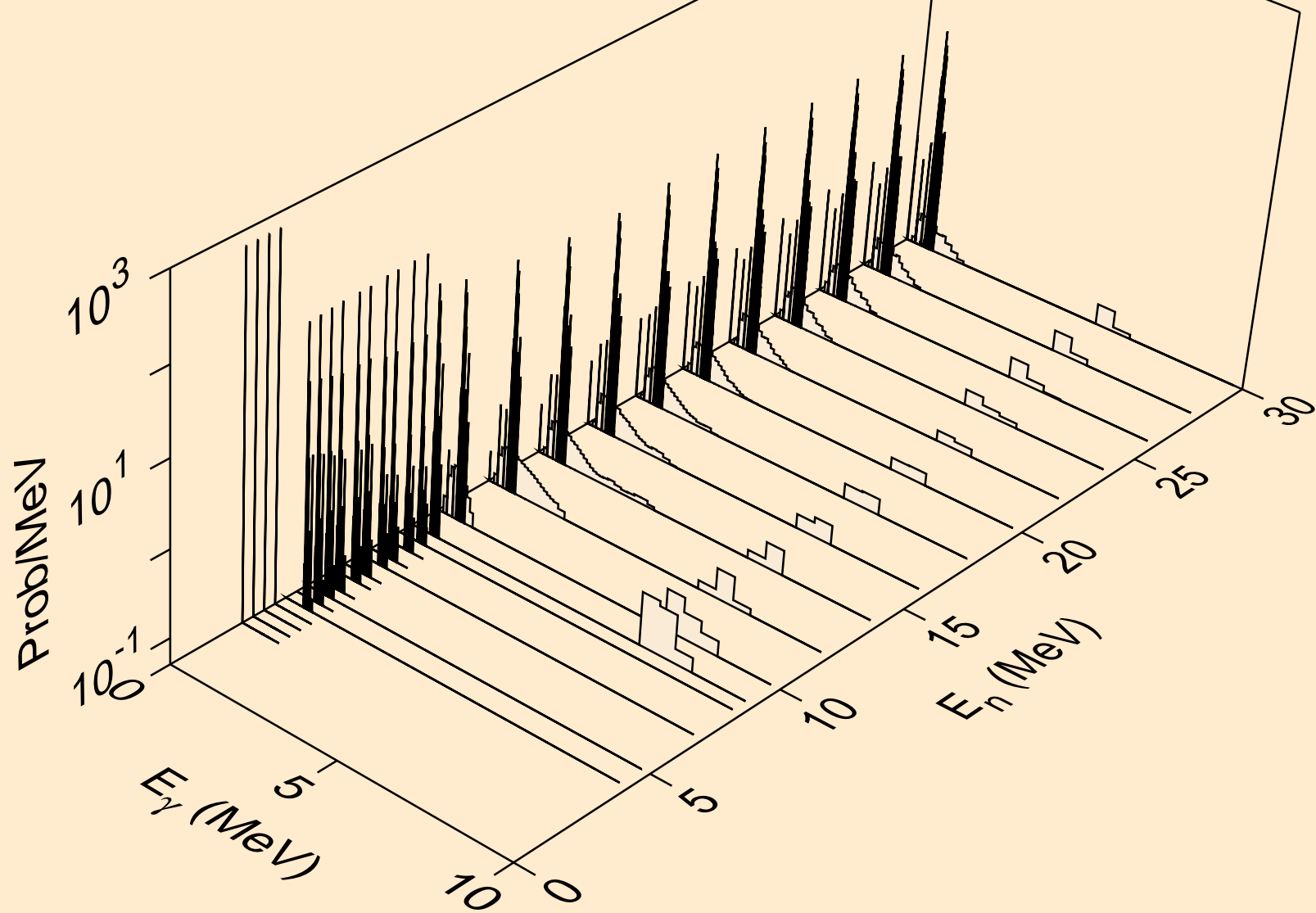
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



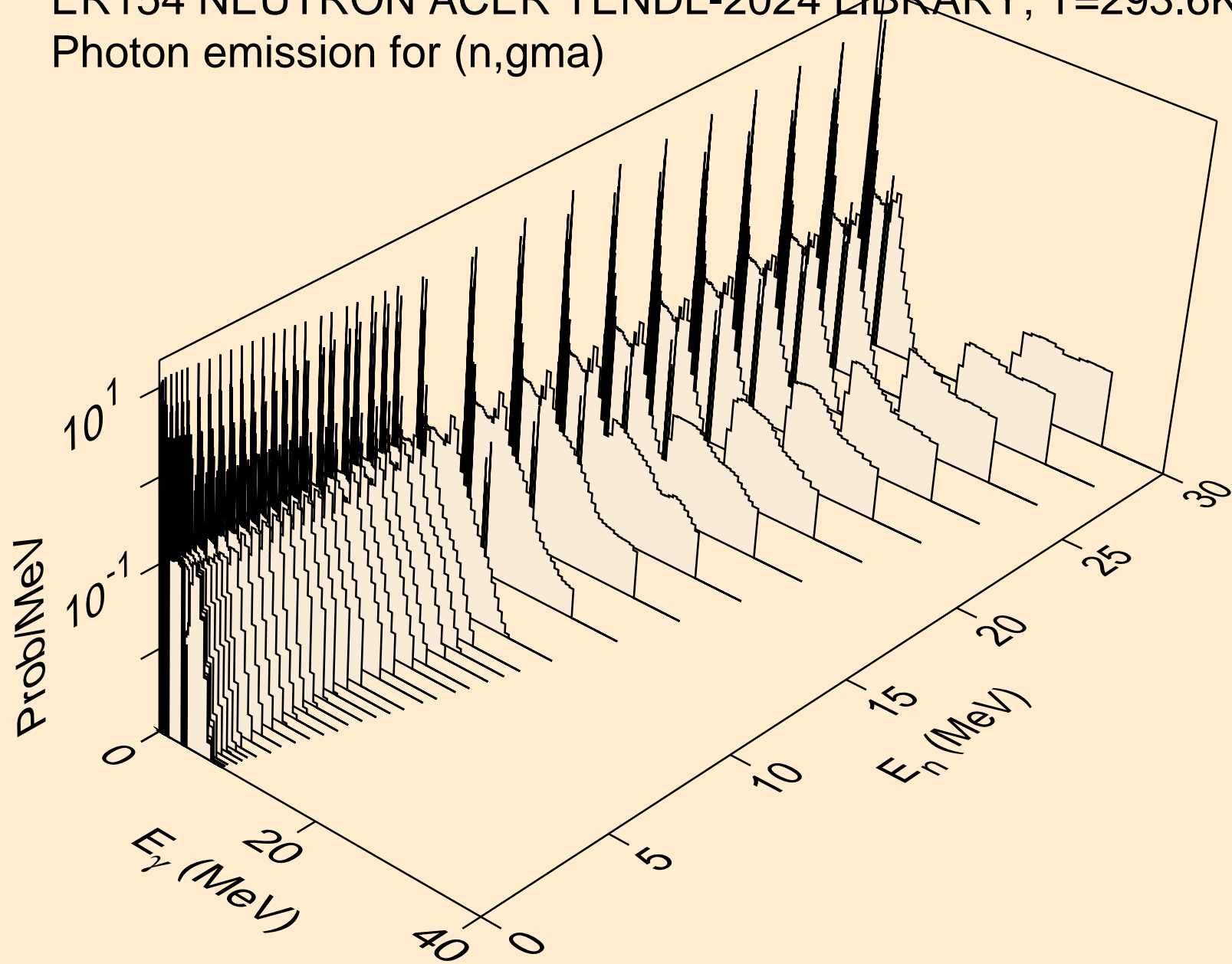
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



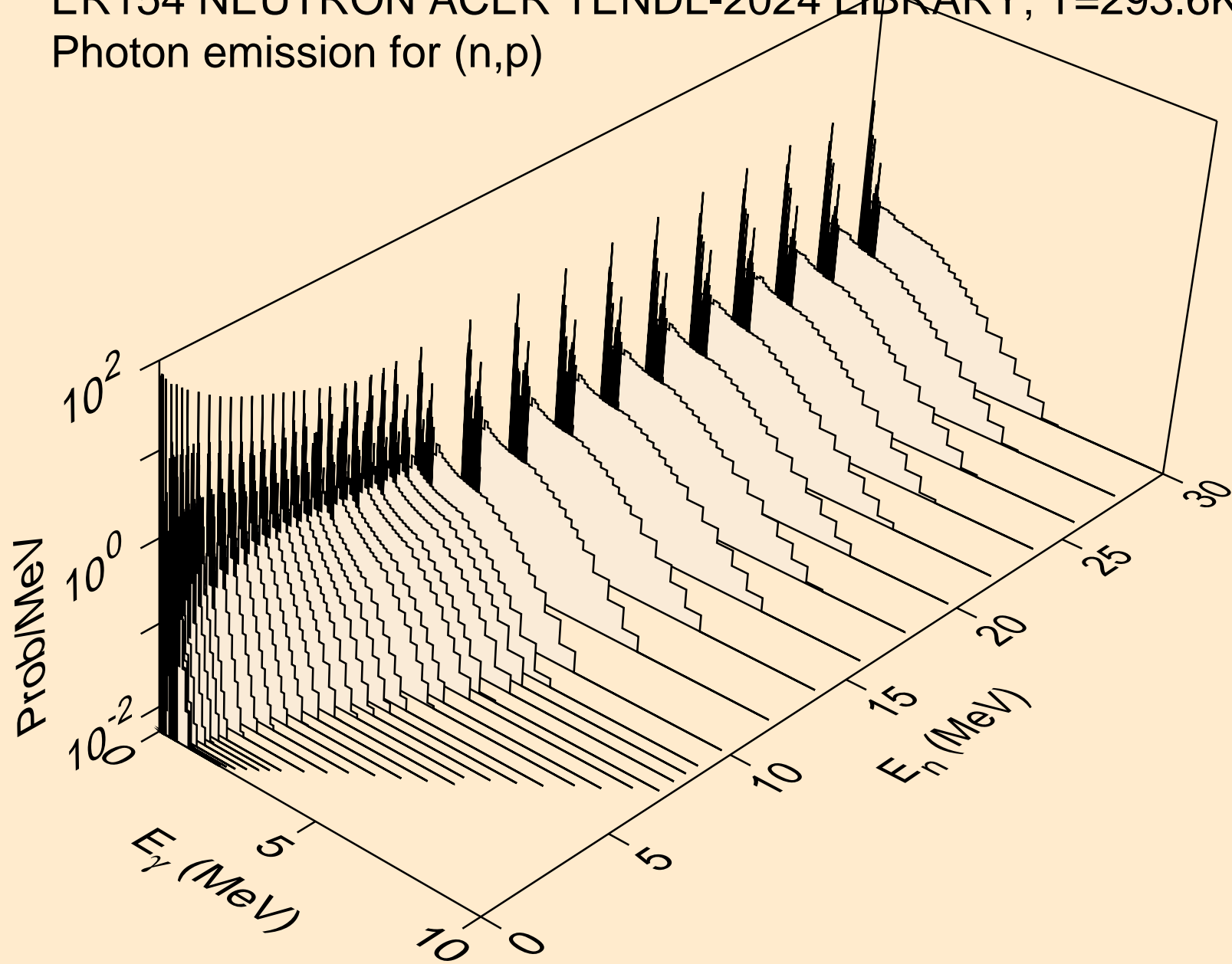
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



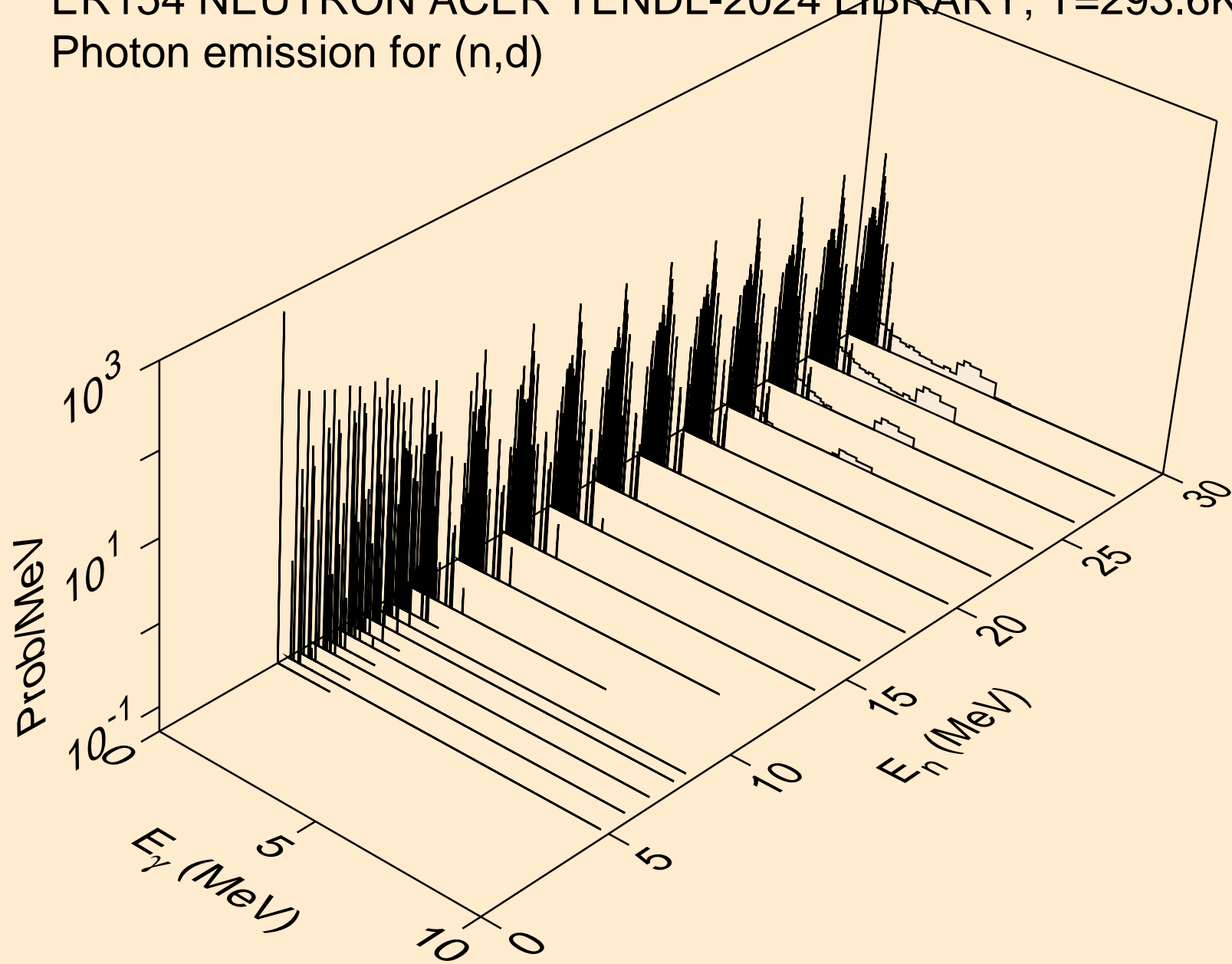
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



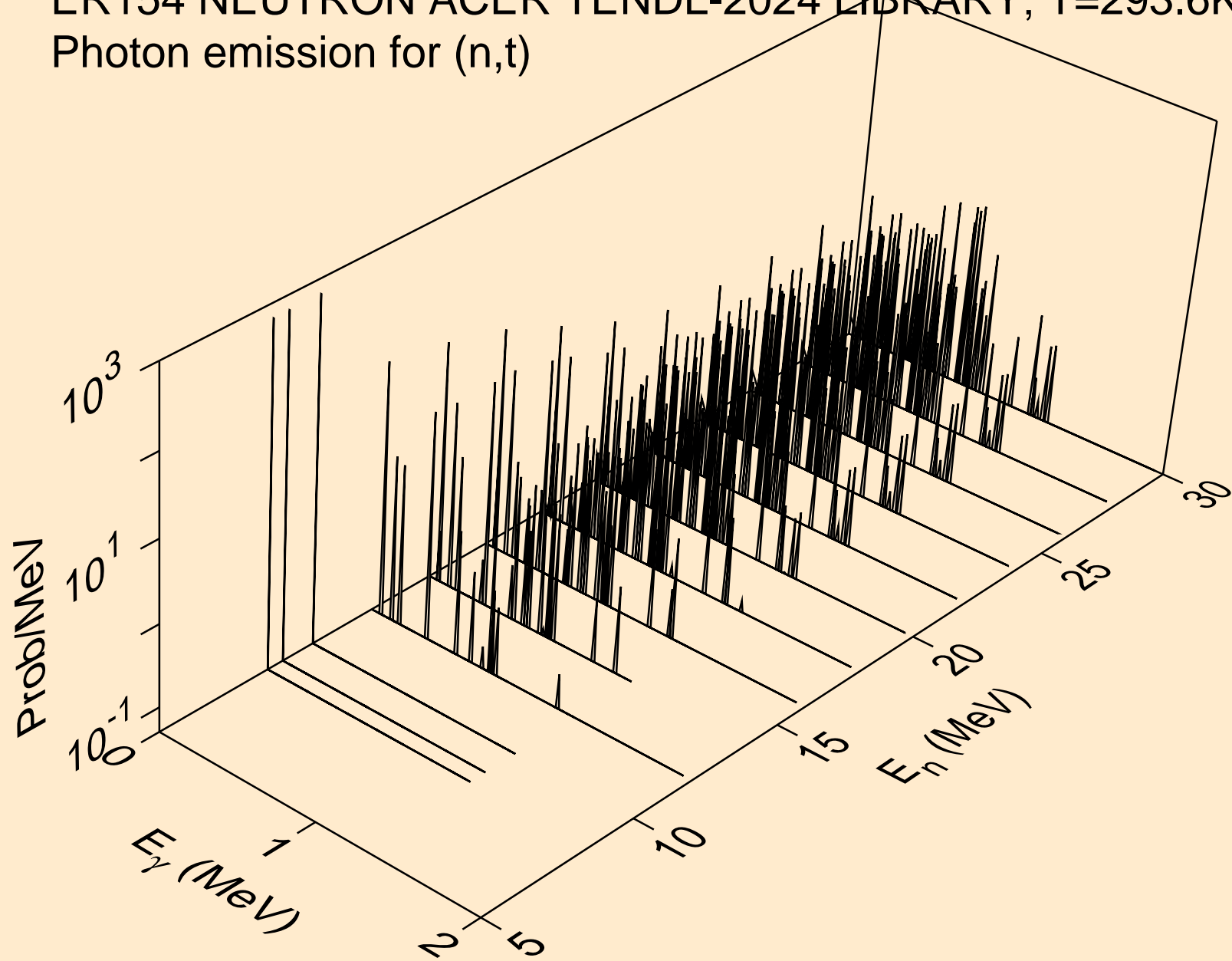
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



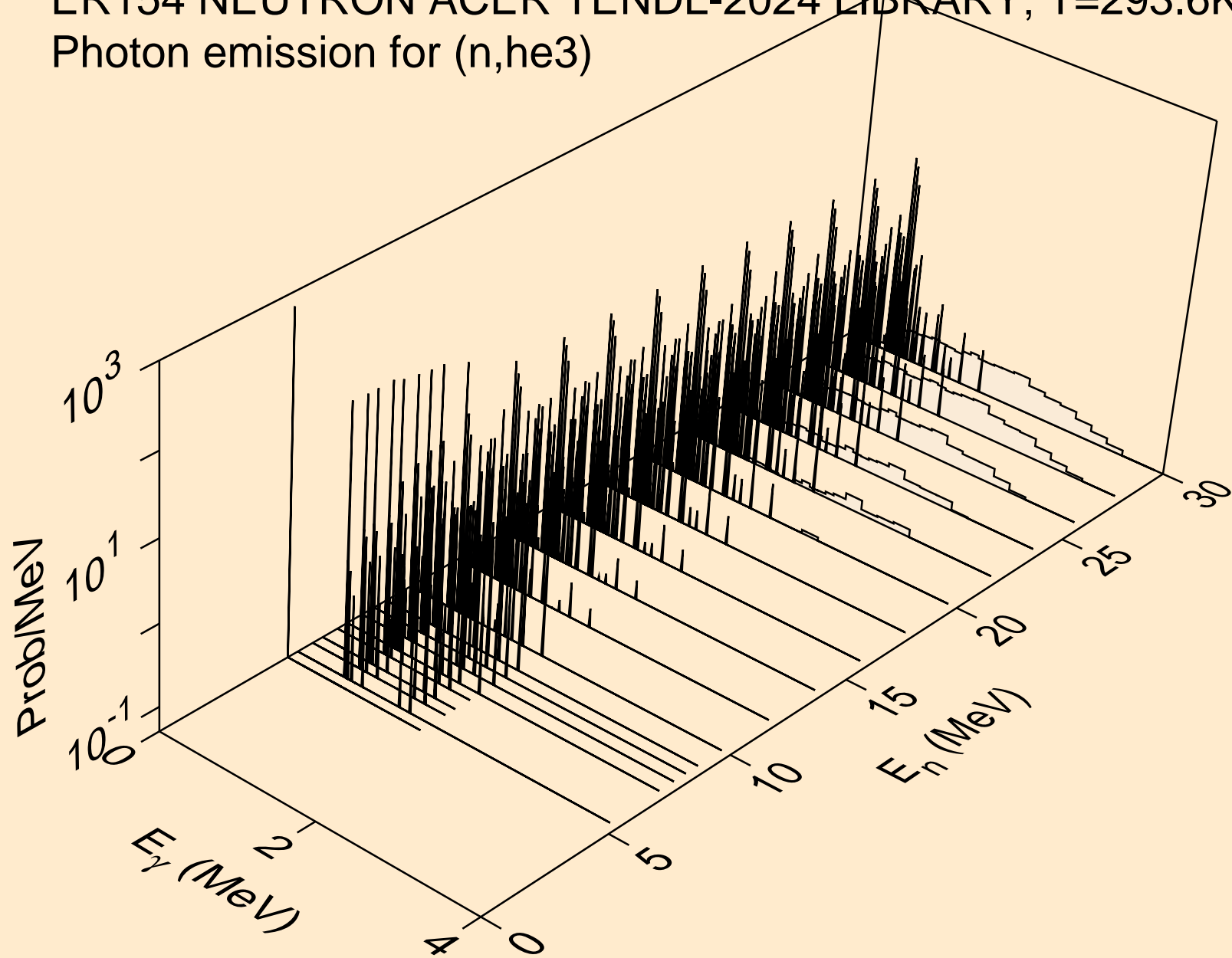
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d)



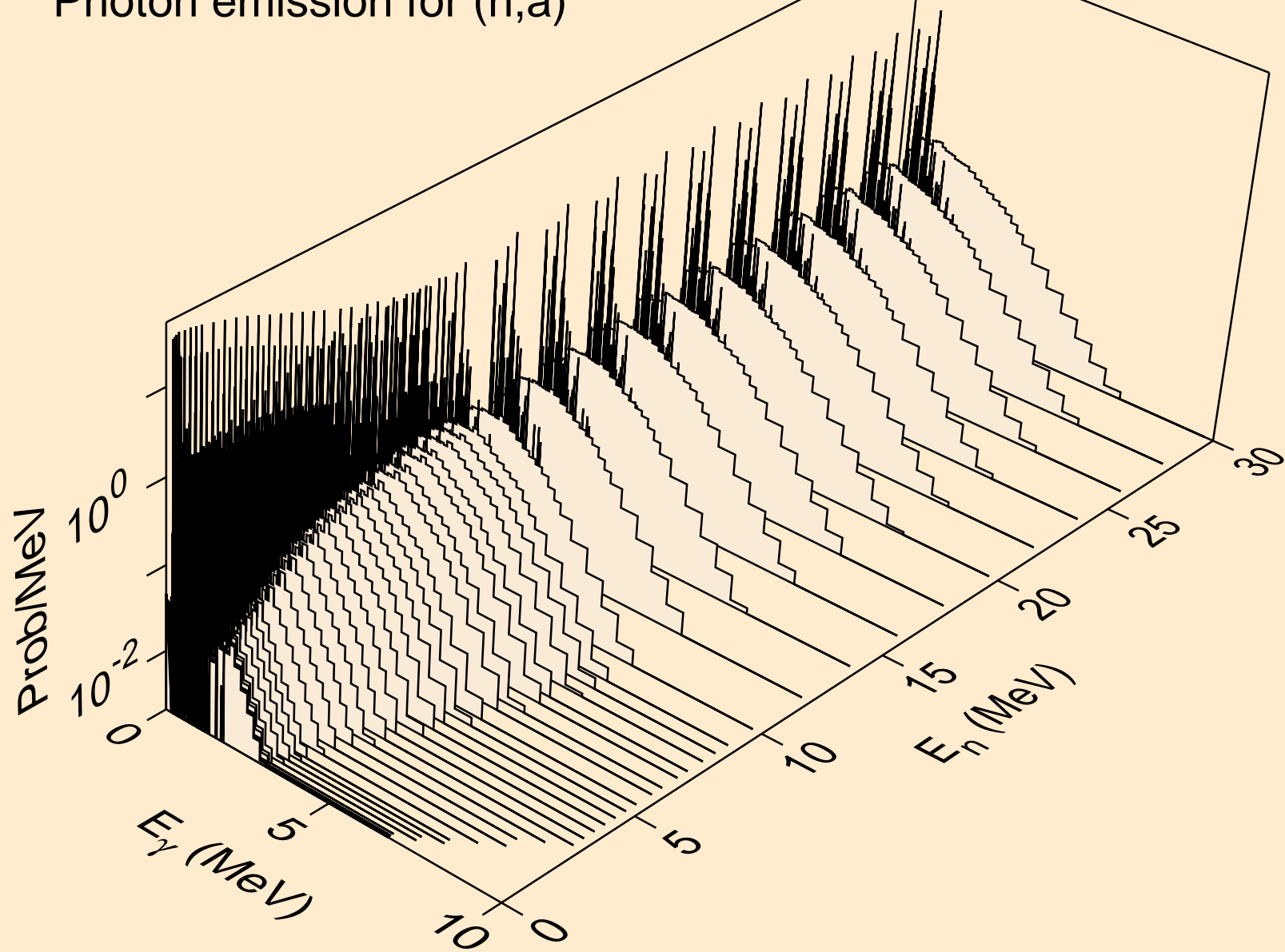
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,t)



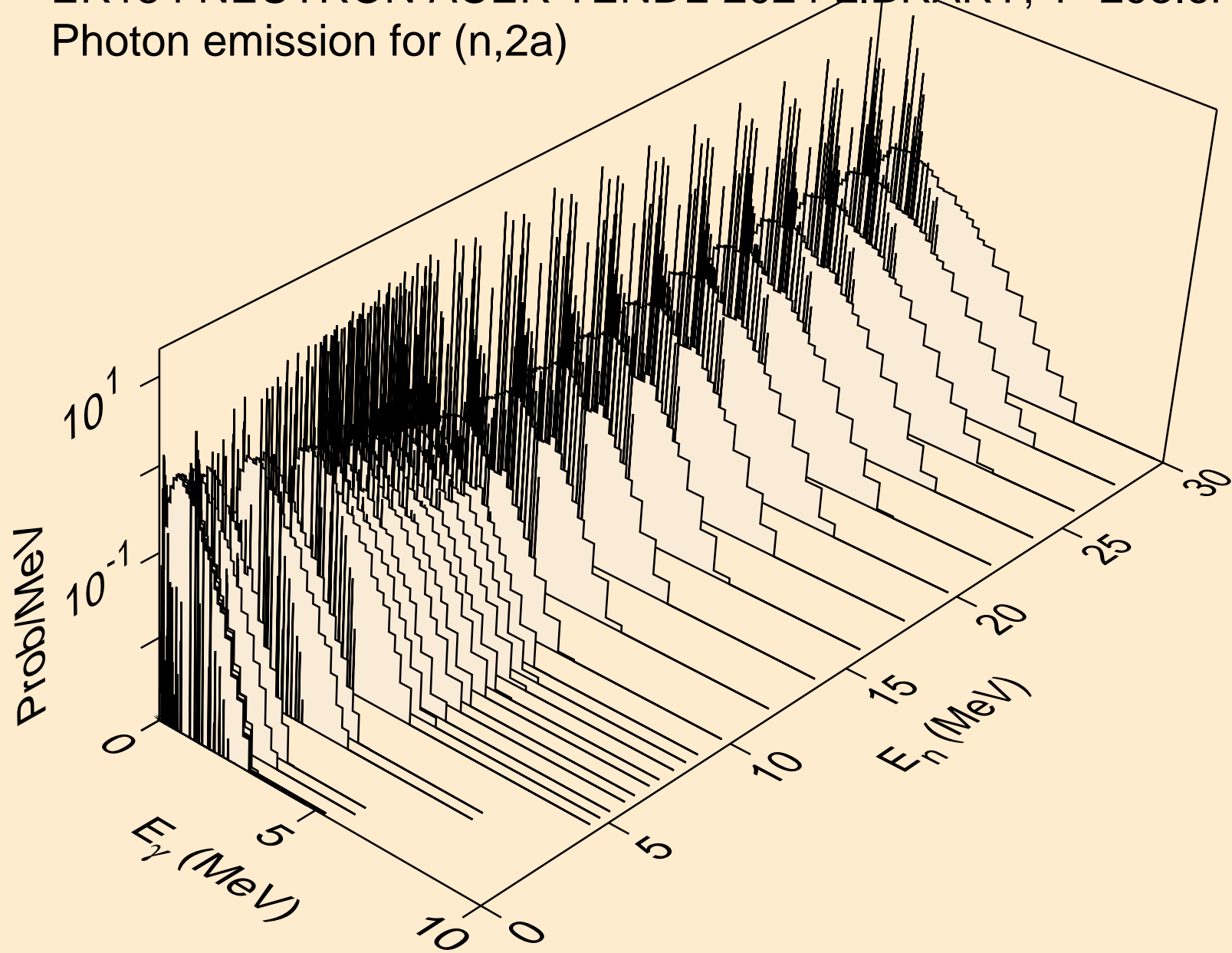
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



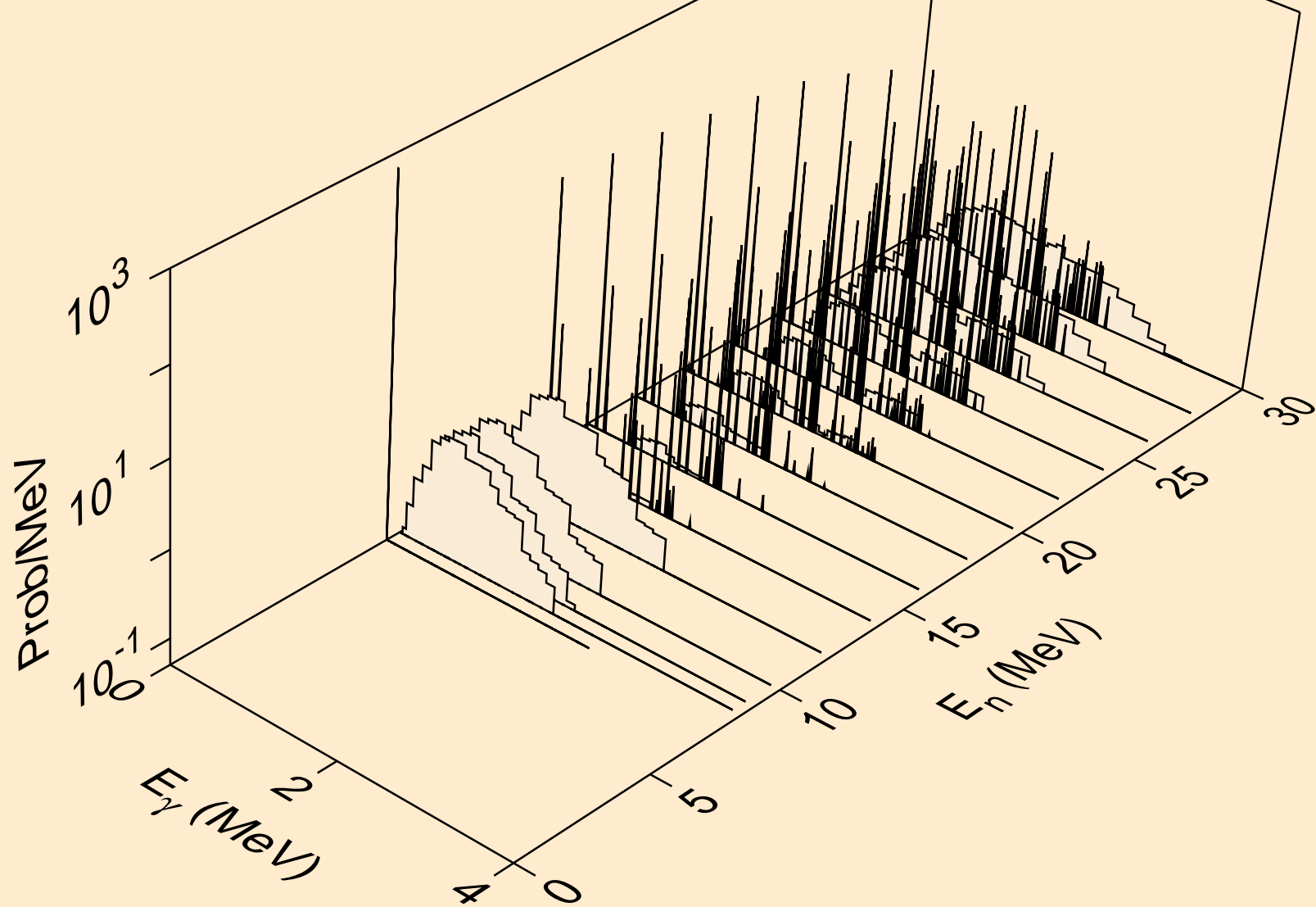
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



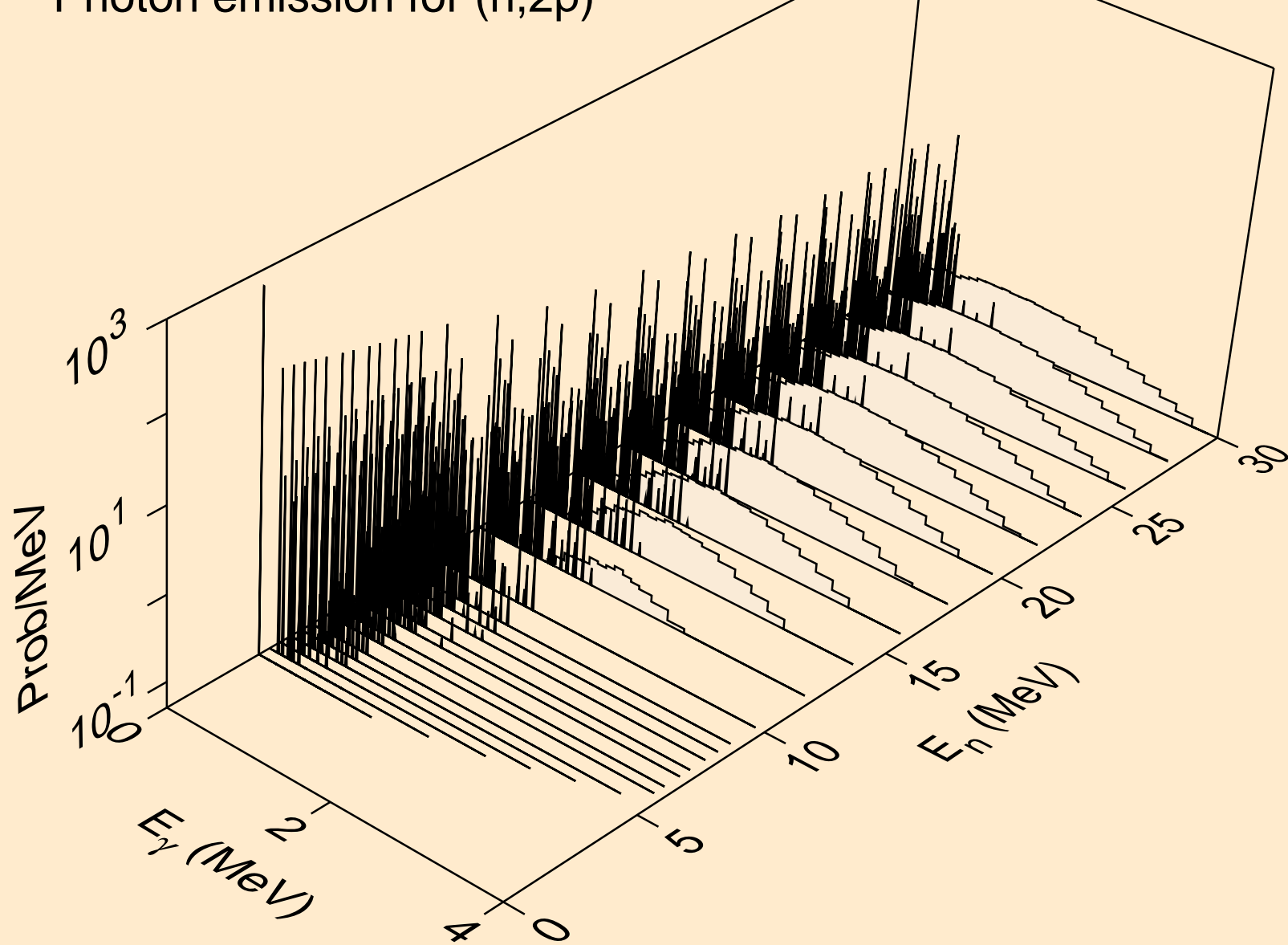
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



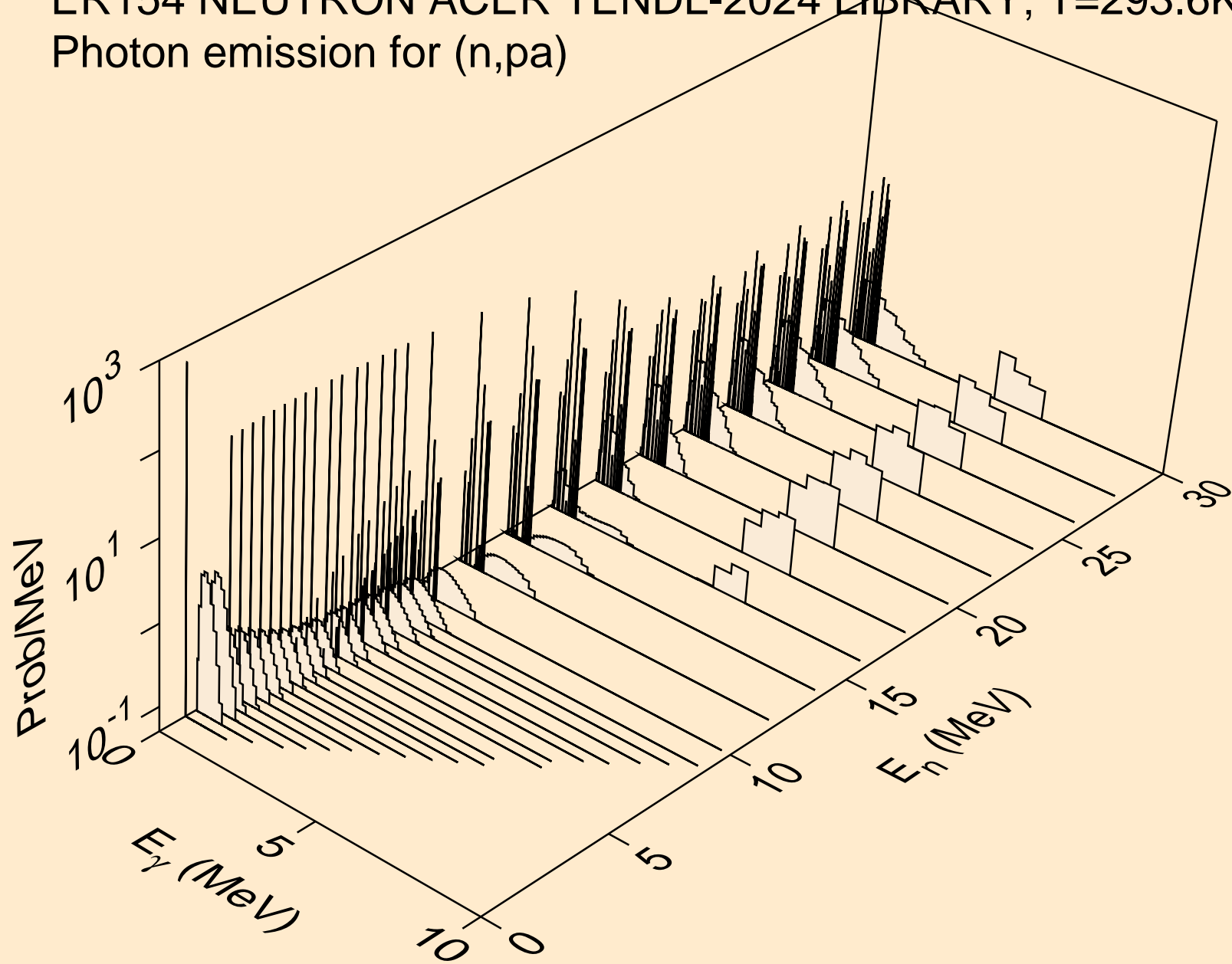
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3a)



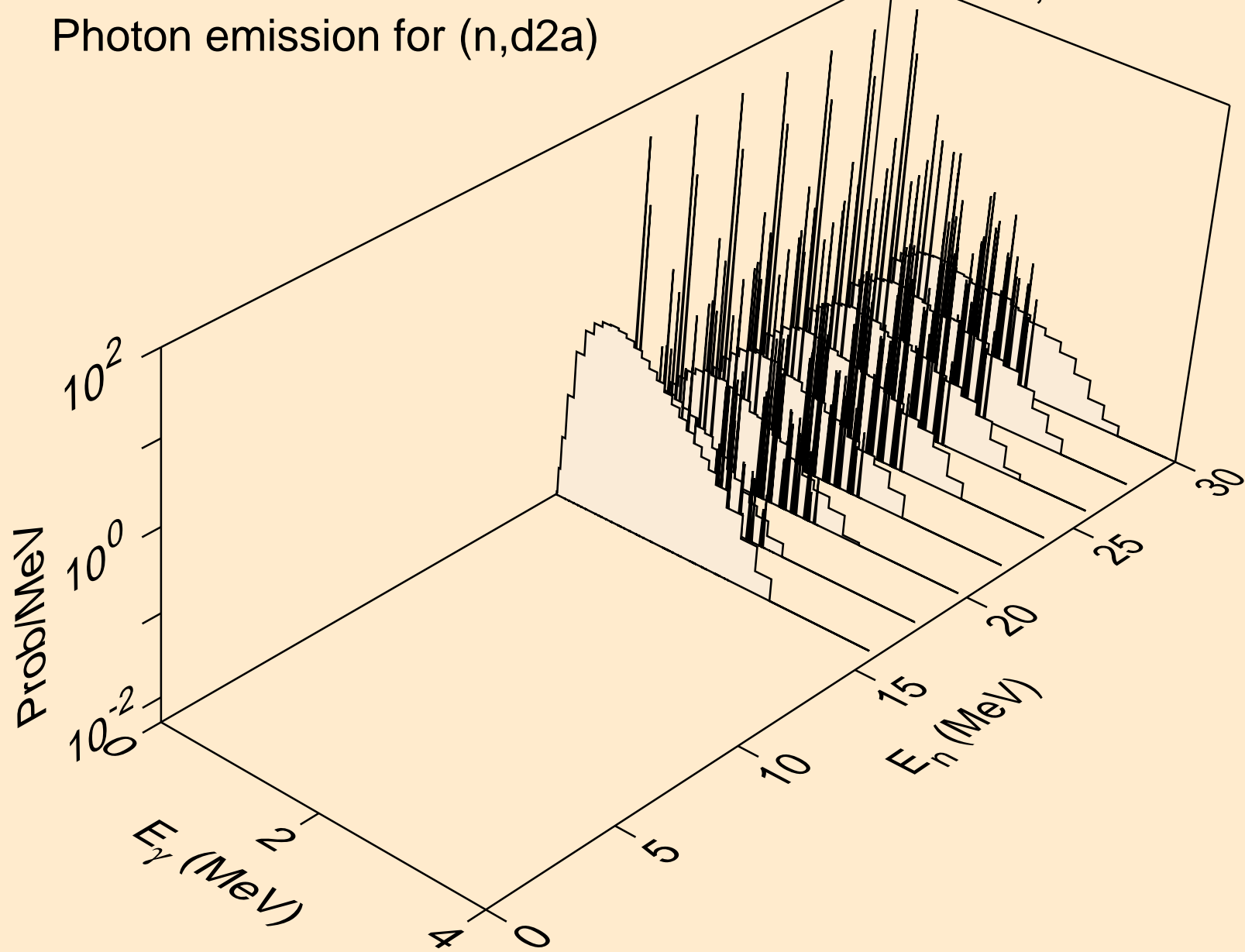
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



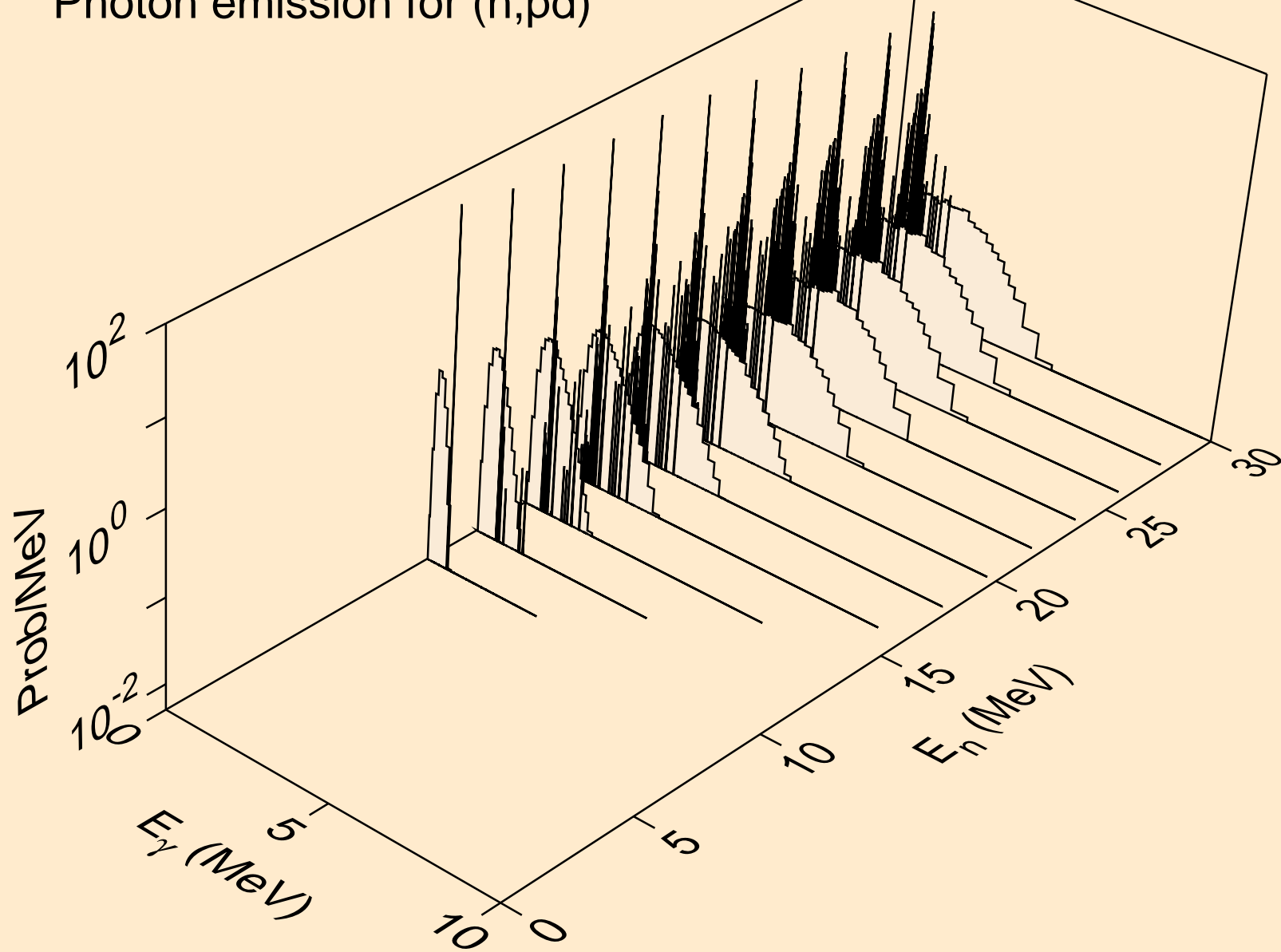
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p $\alpha$ )



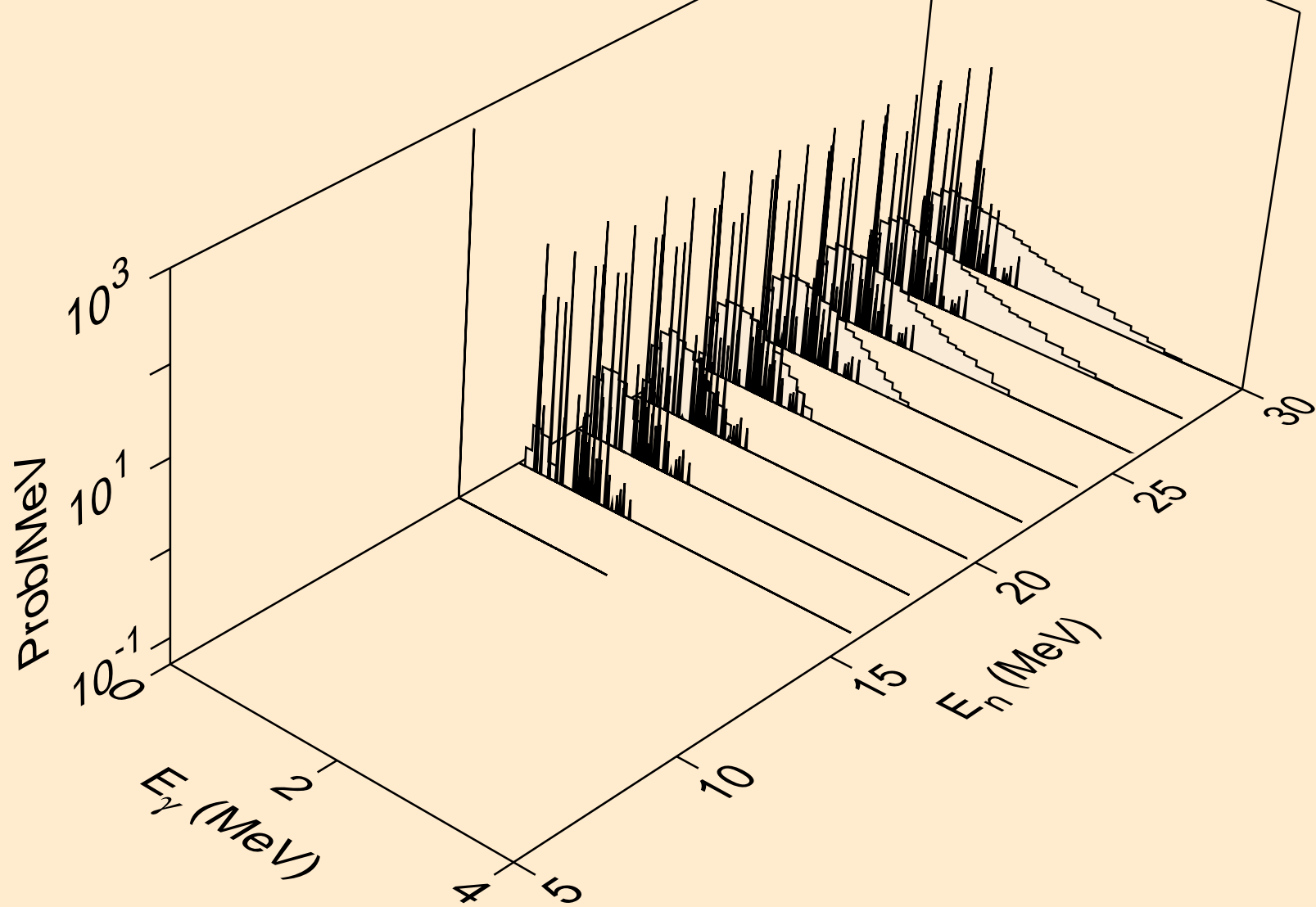
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



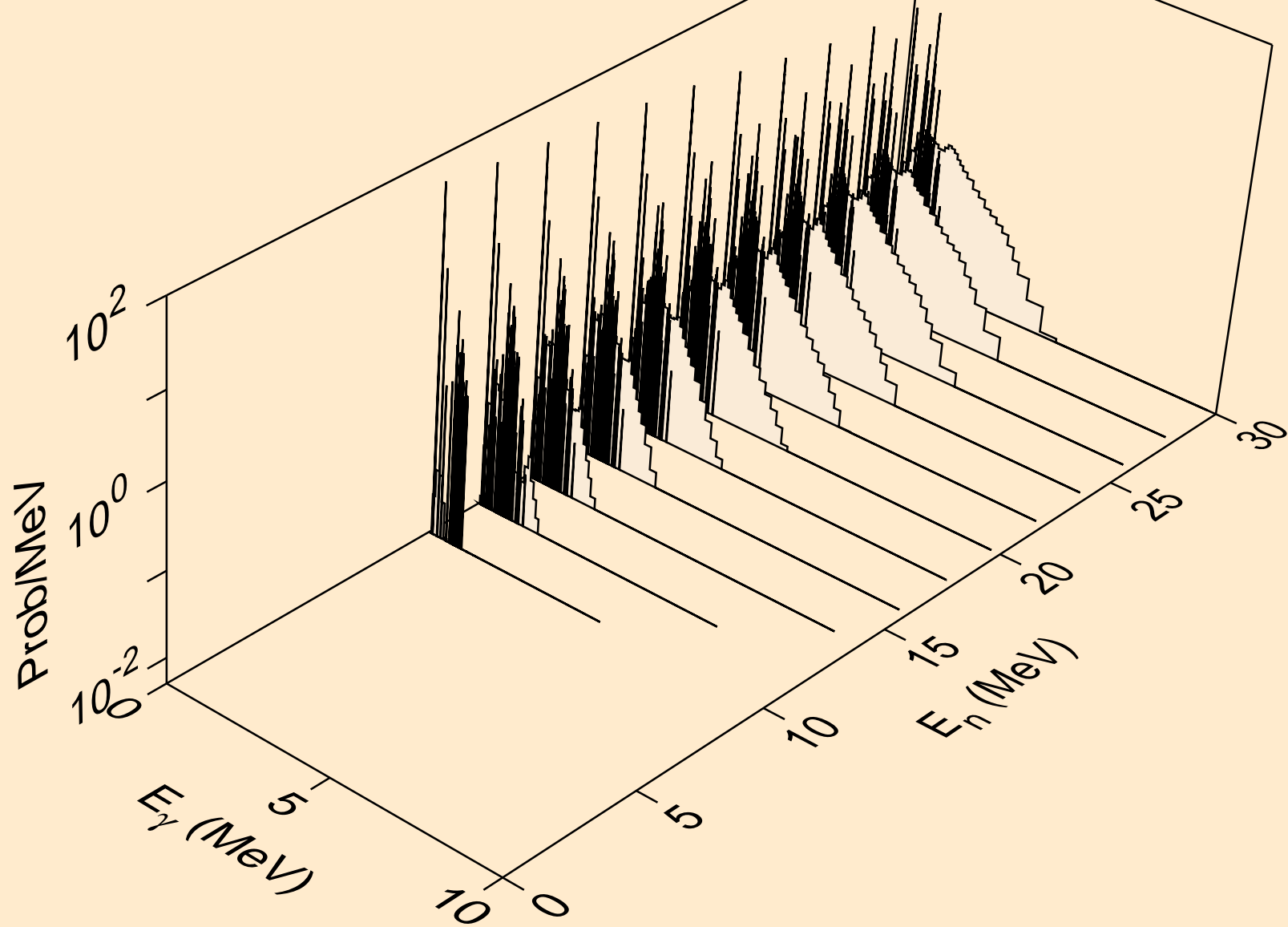
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



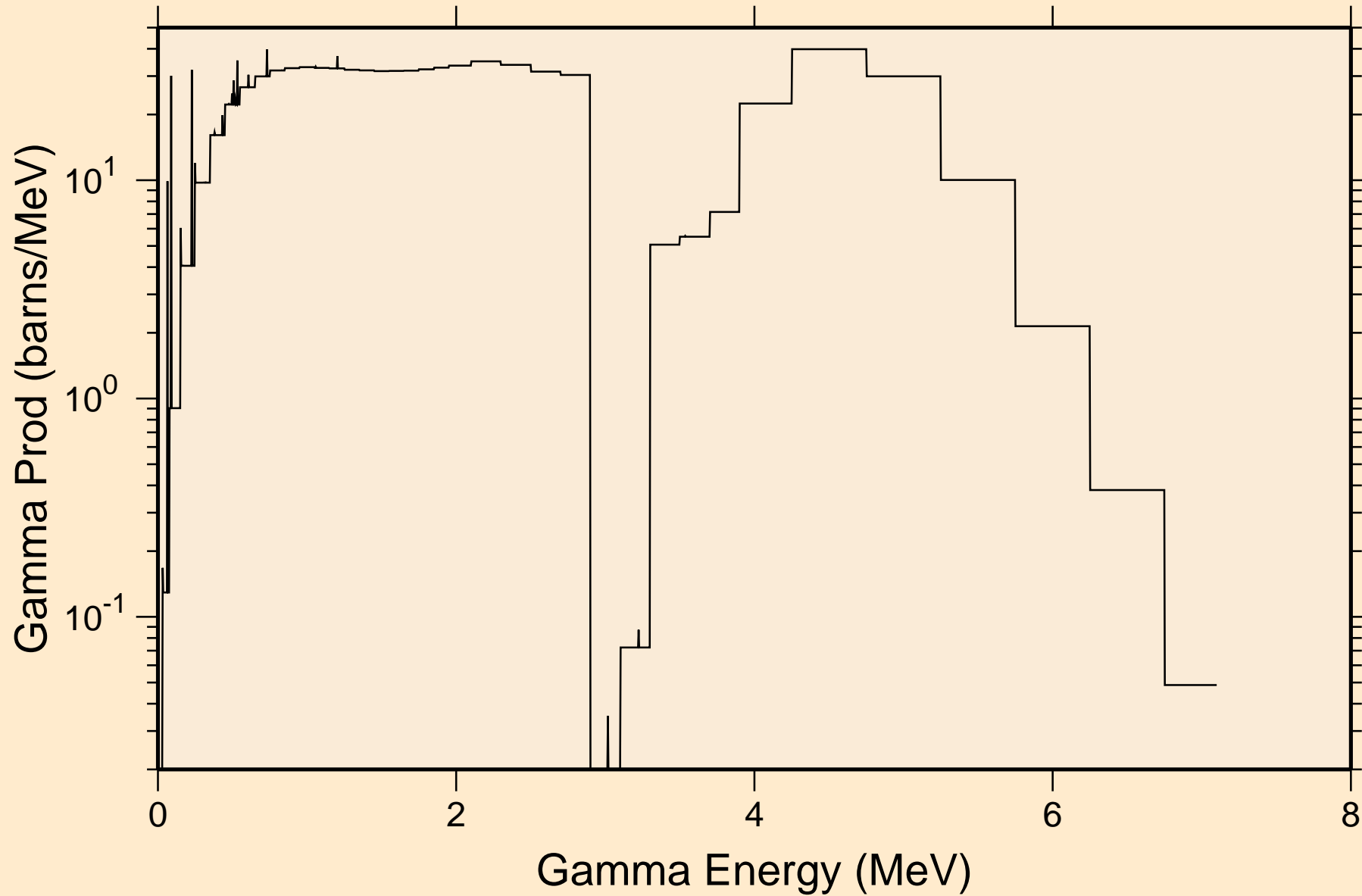
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



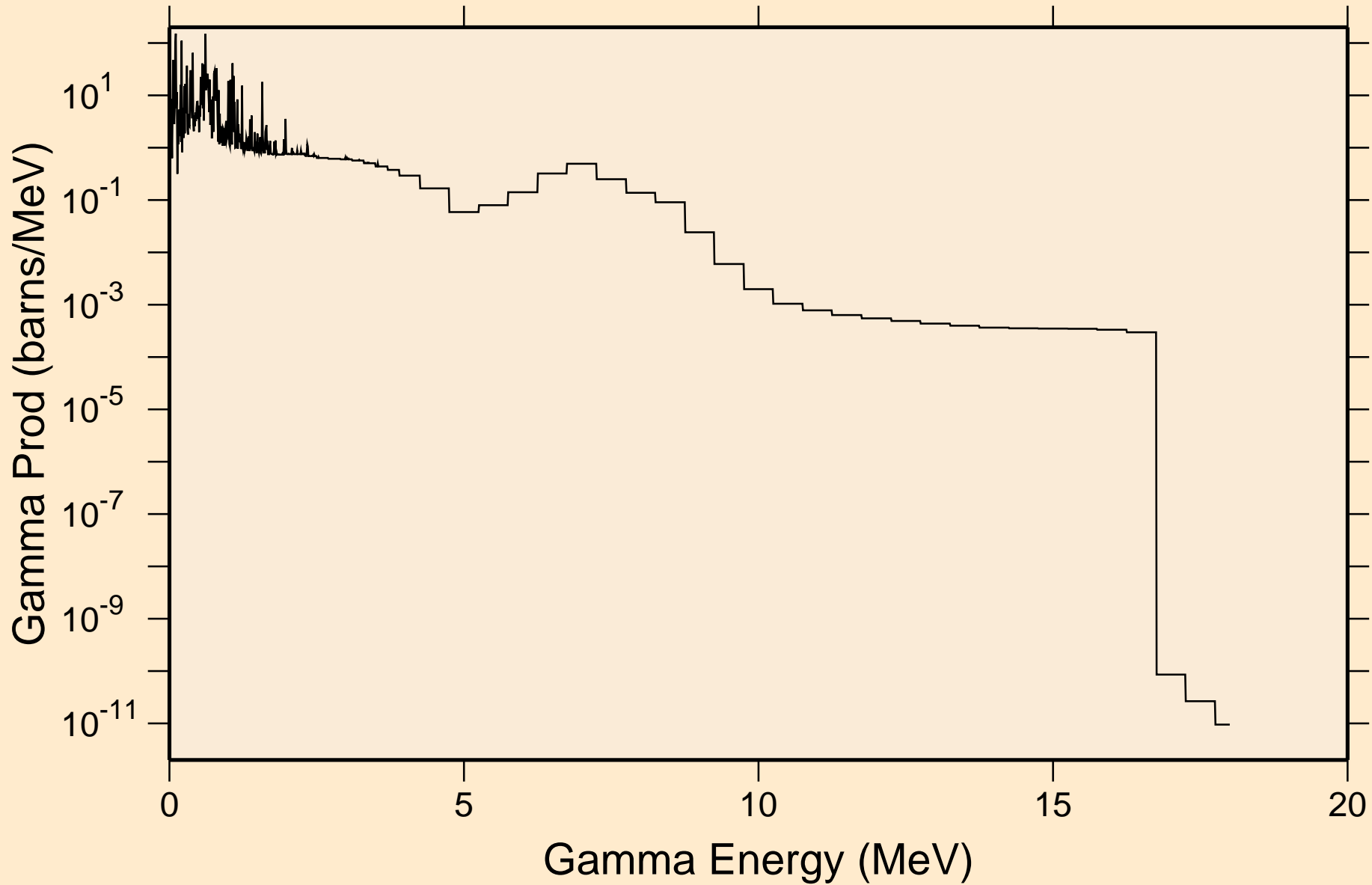
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



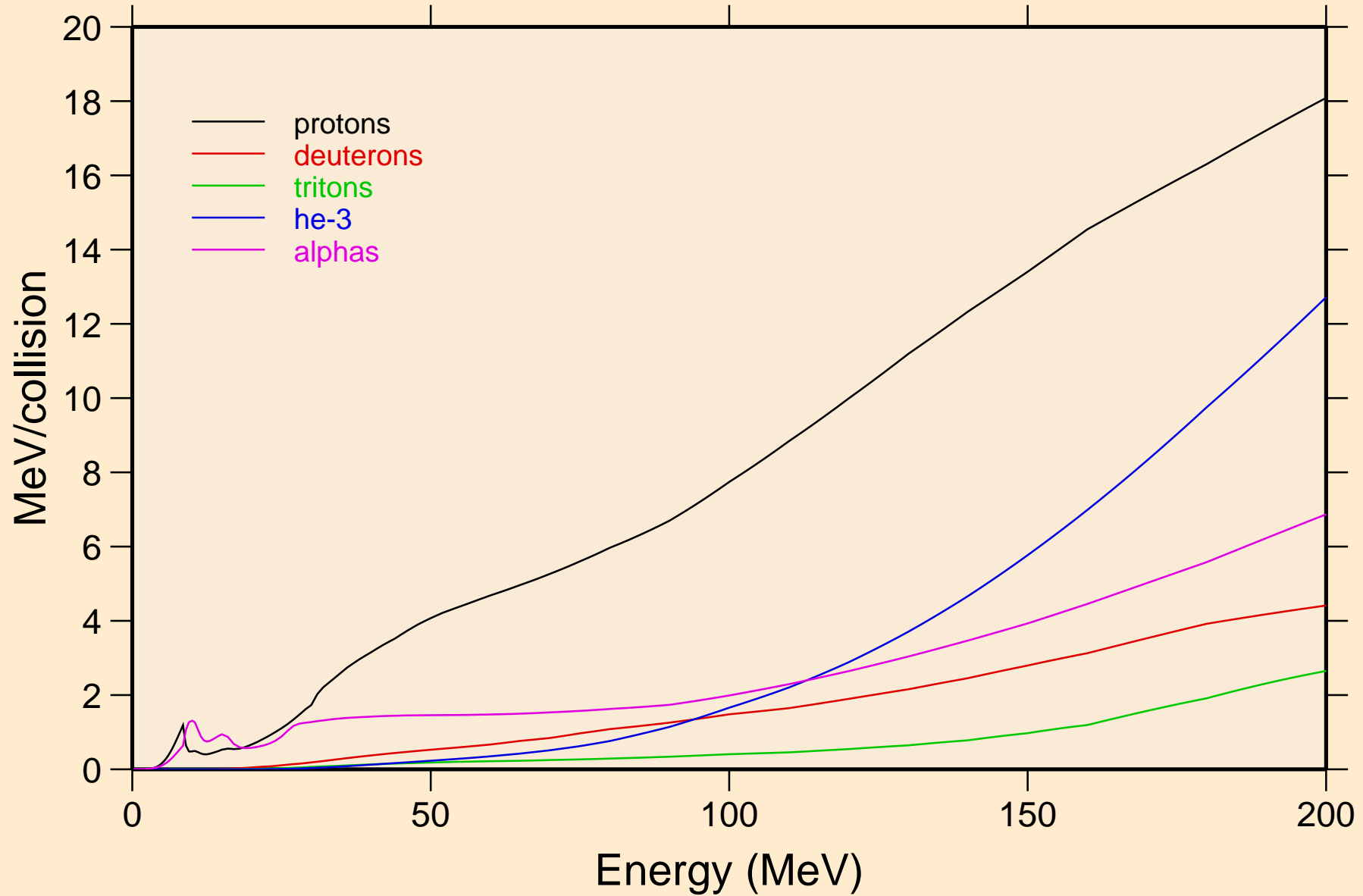
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum



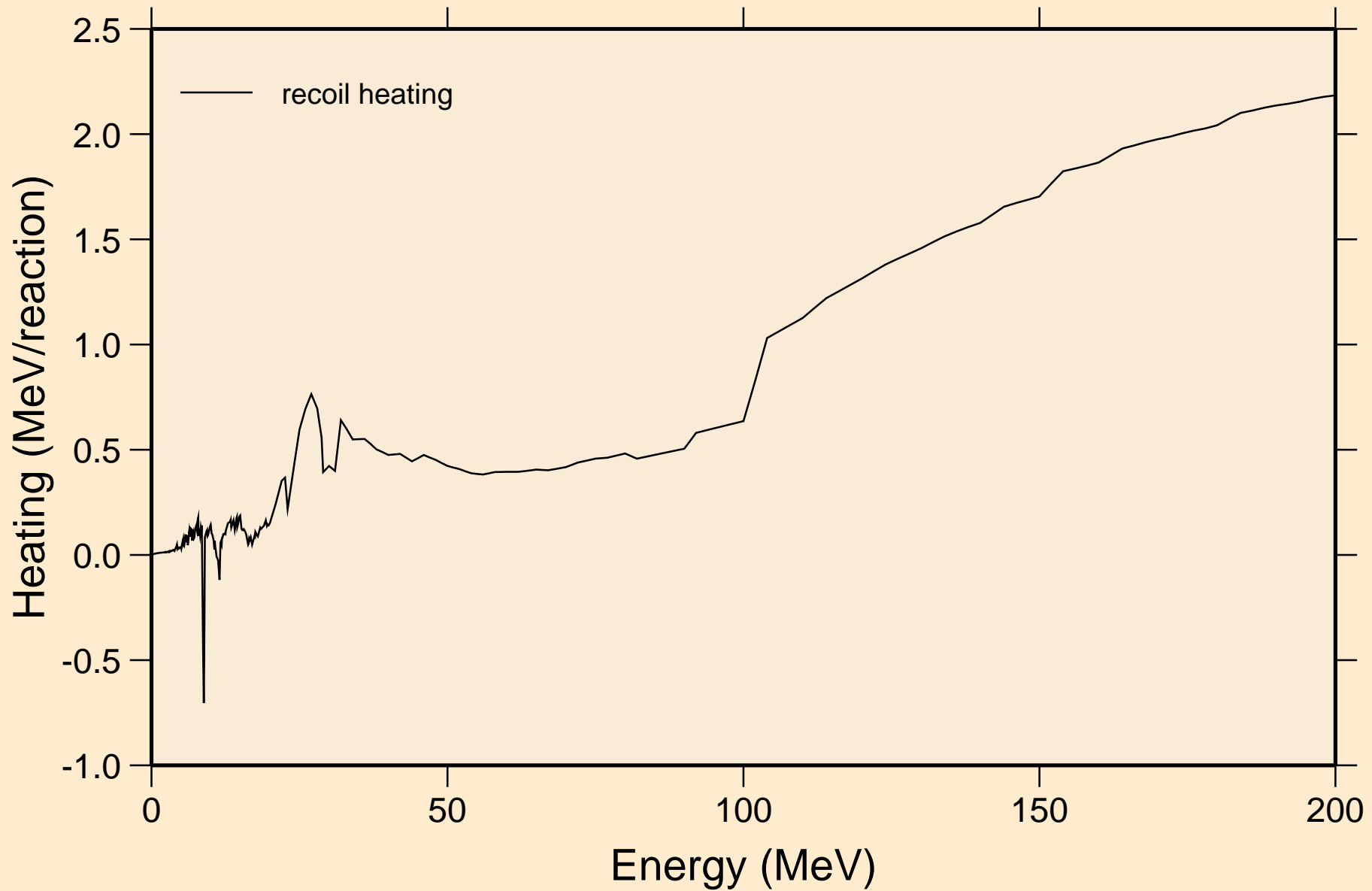
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum



ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Particle heating contributions

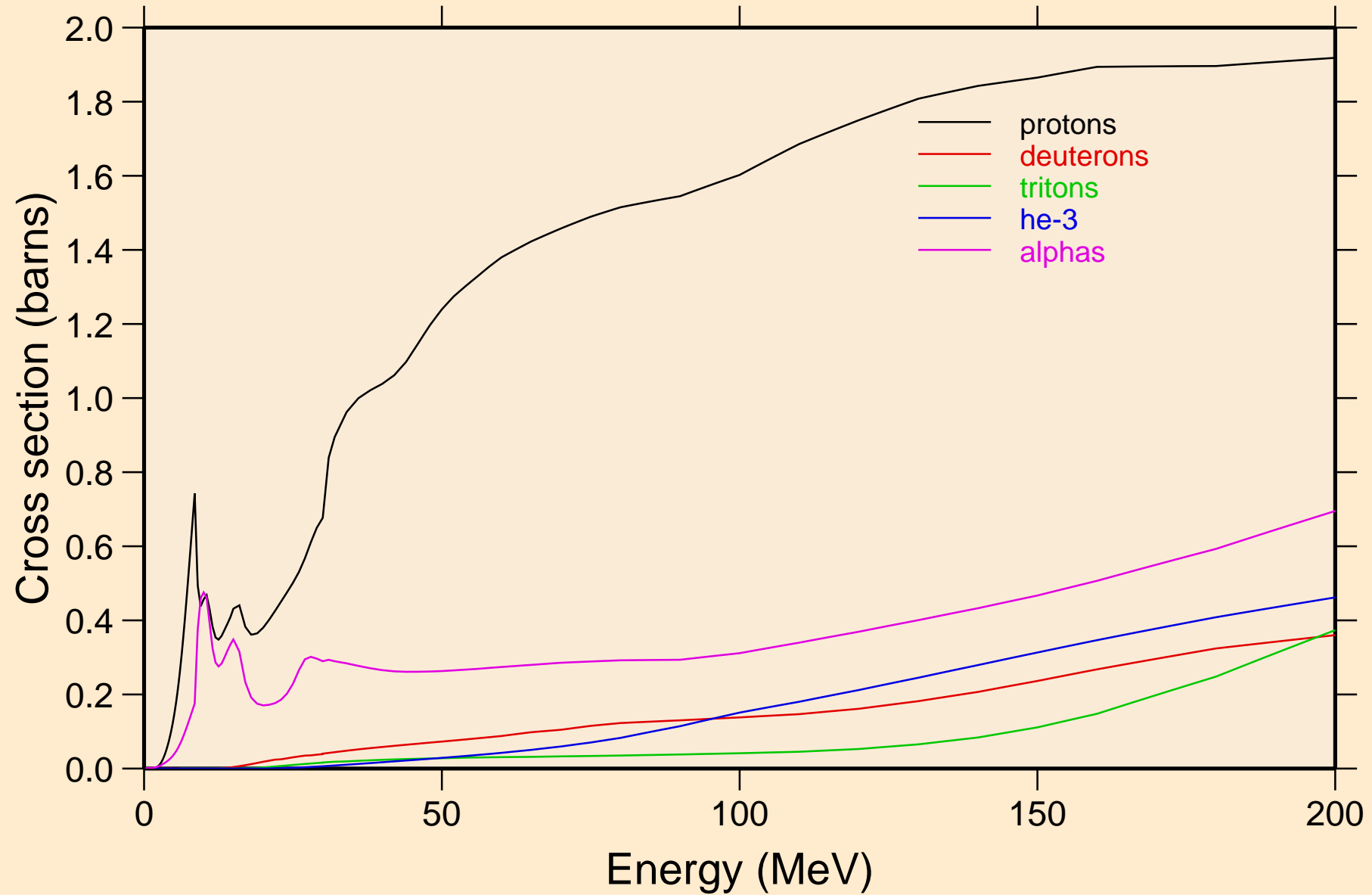


ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Recoil Heating

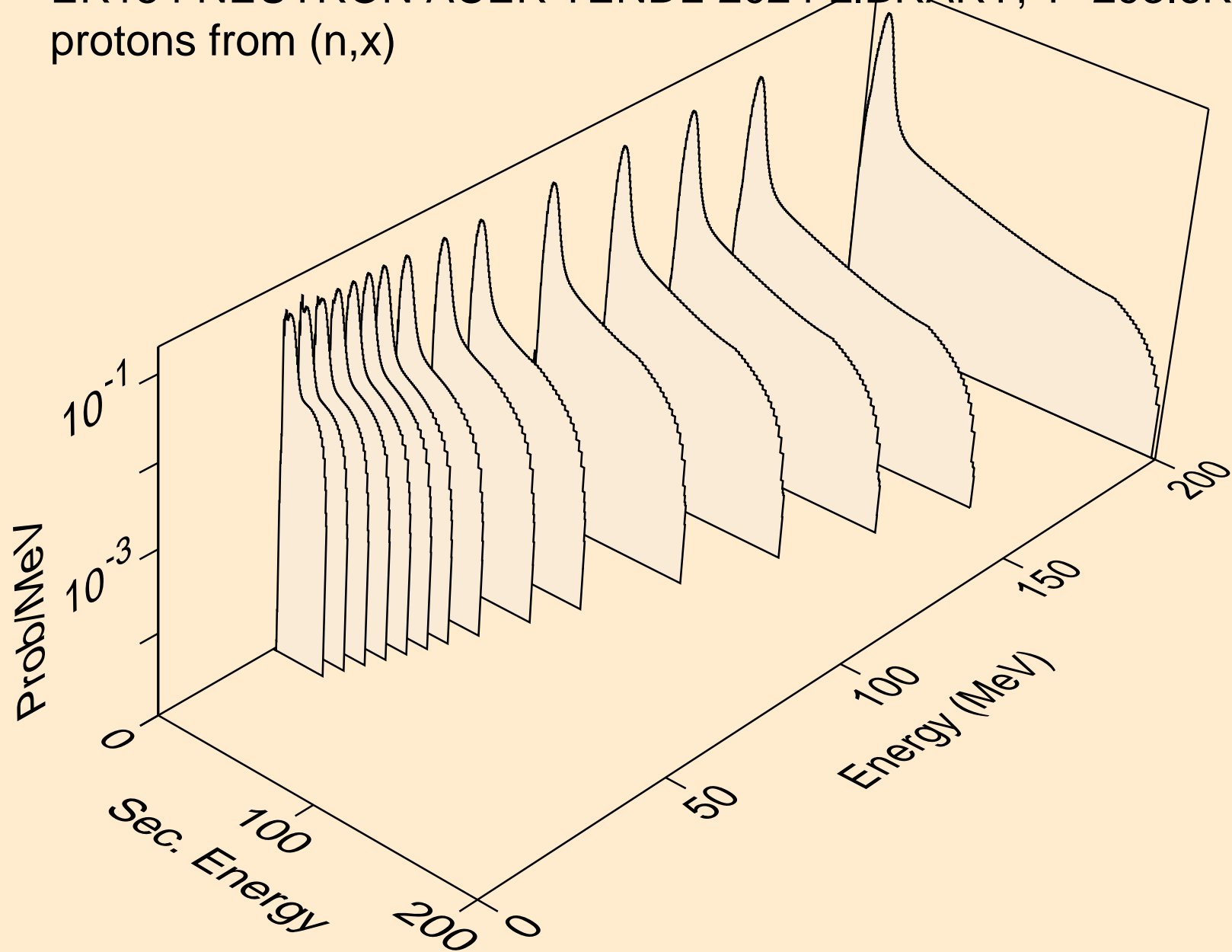


# ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

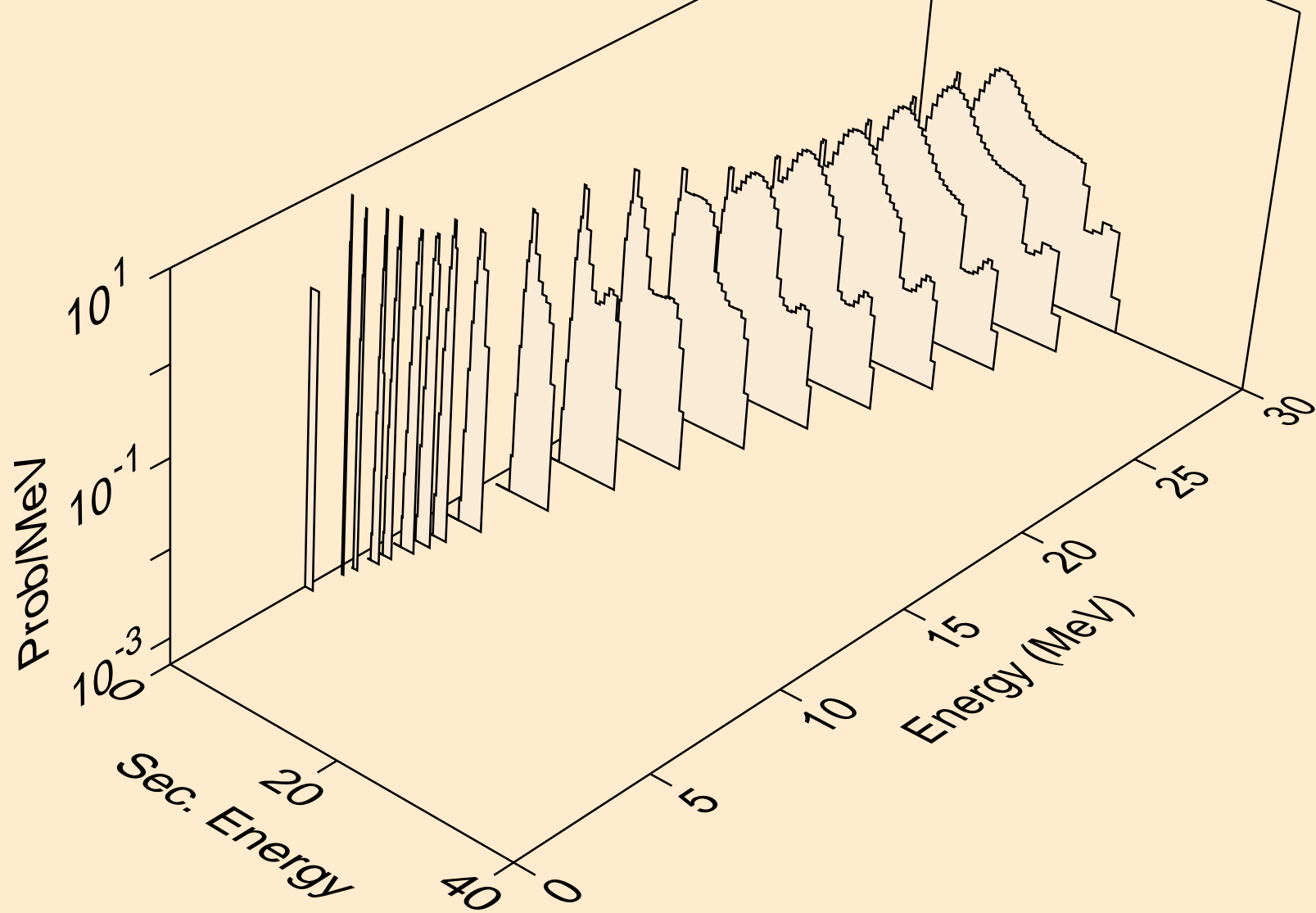
## Particle production cross sections



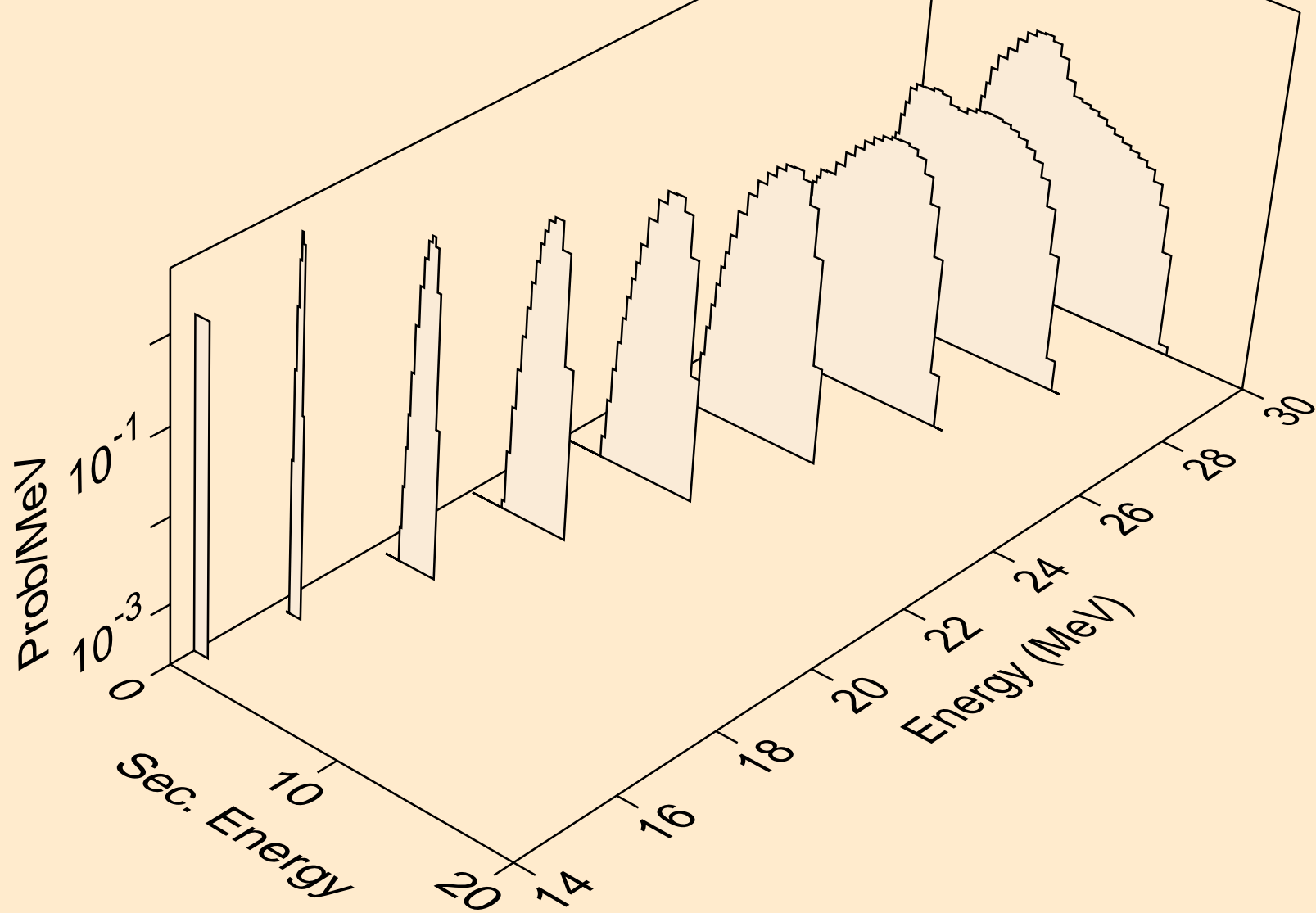
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



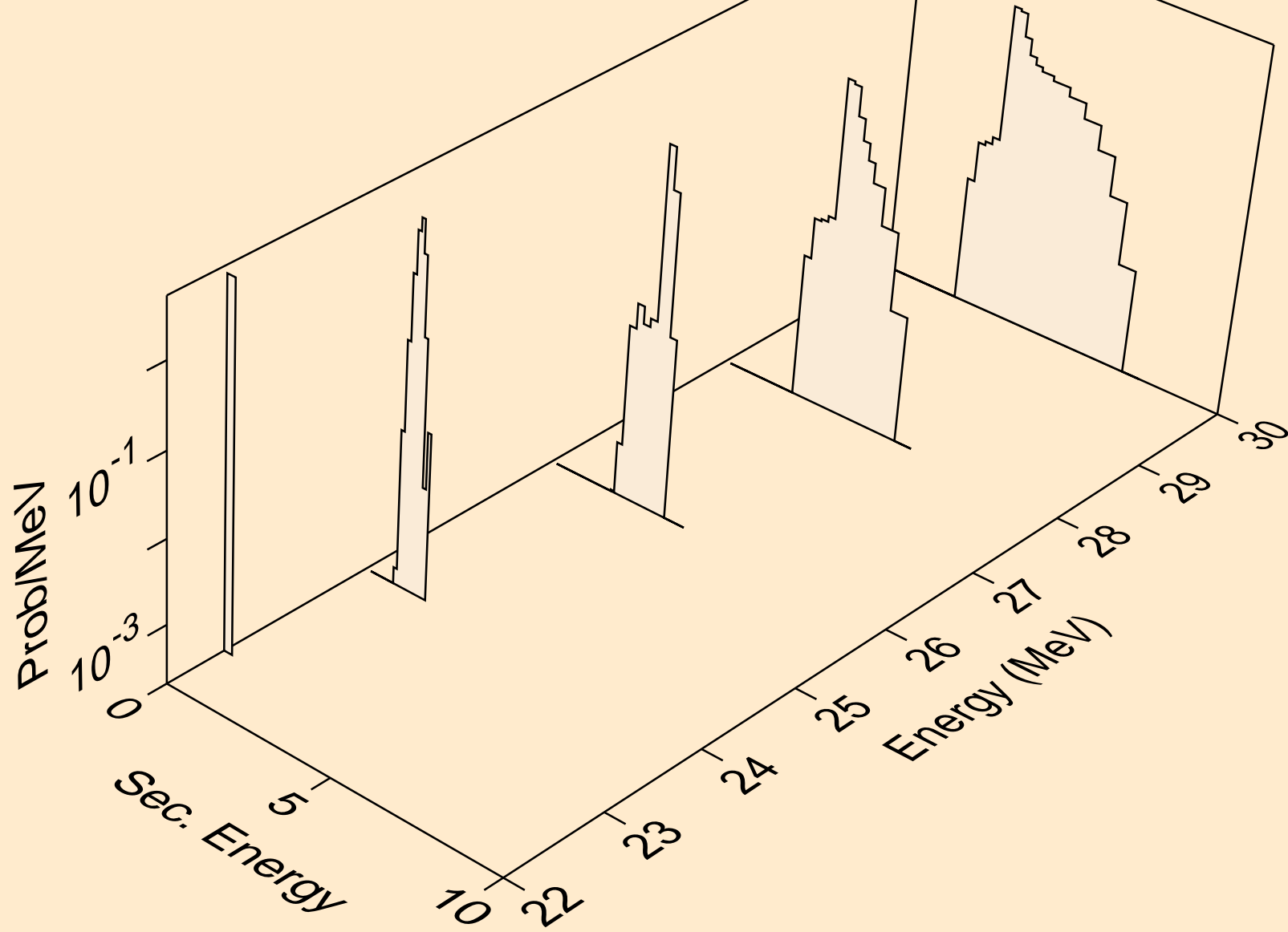
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,n\*)p



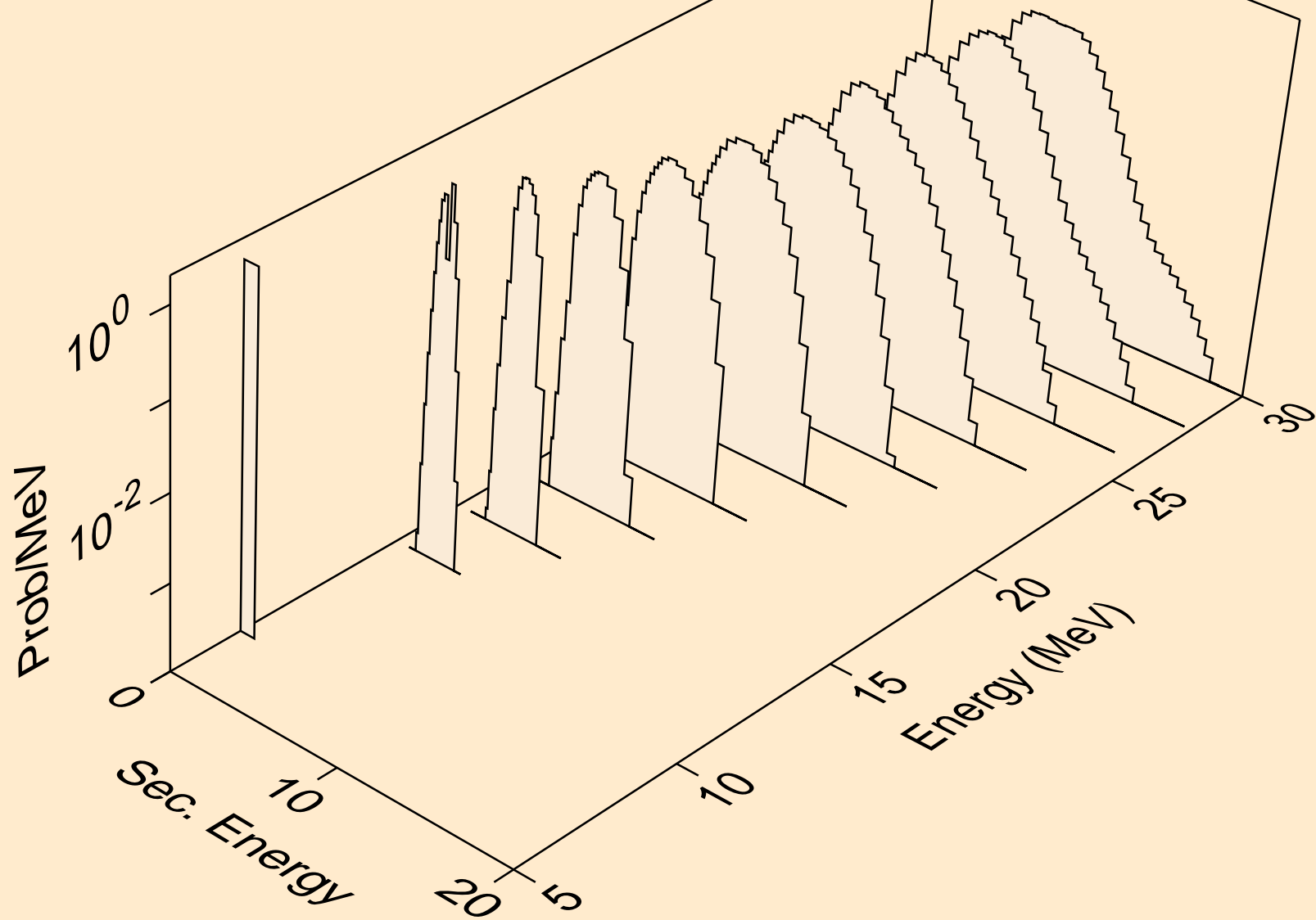
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,2np)



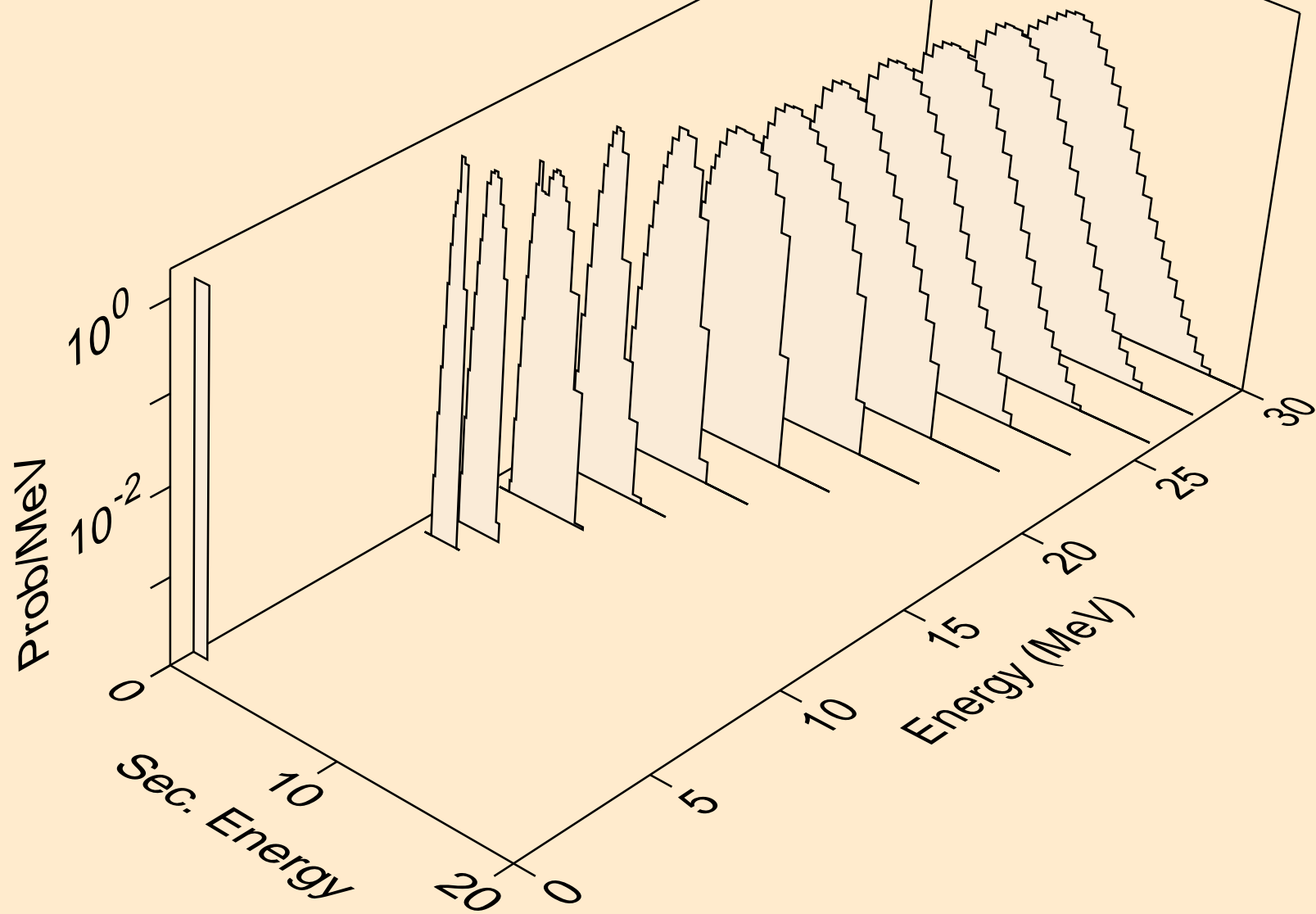
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,3np)



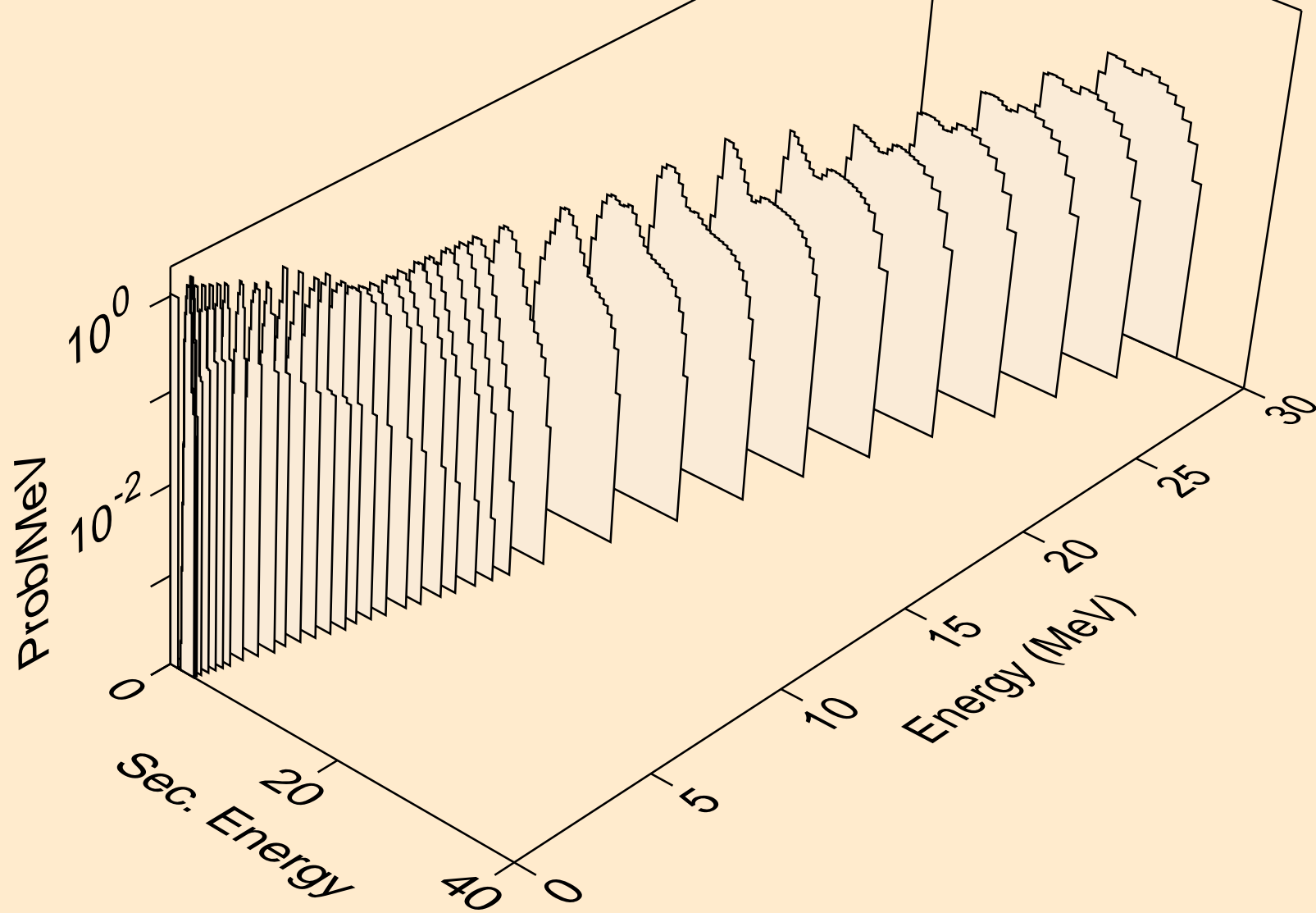
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protons from (n,n2p)



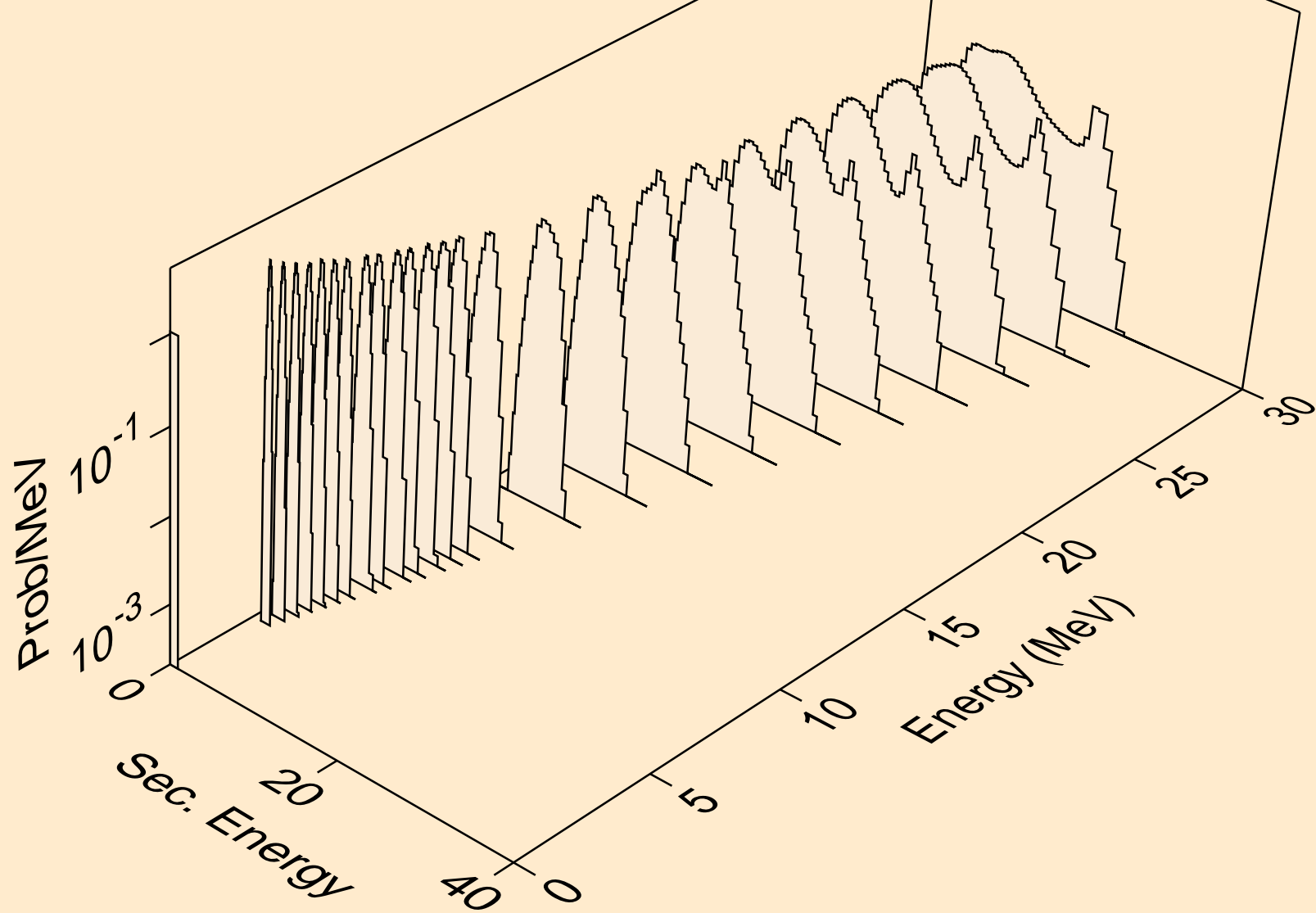
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protons from (n,npa)



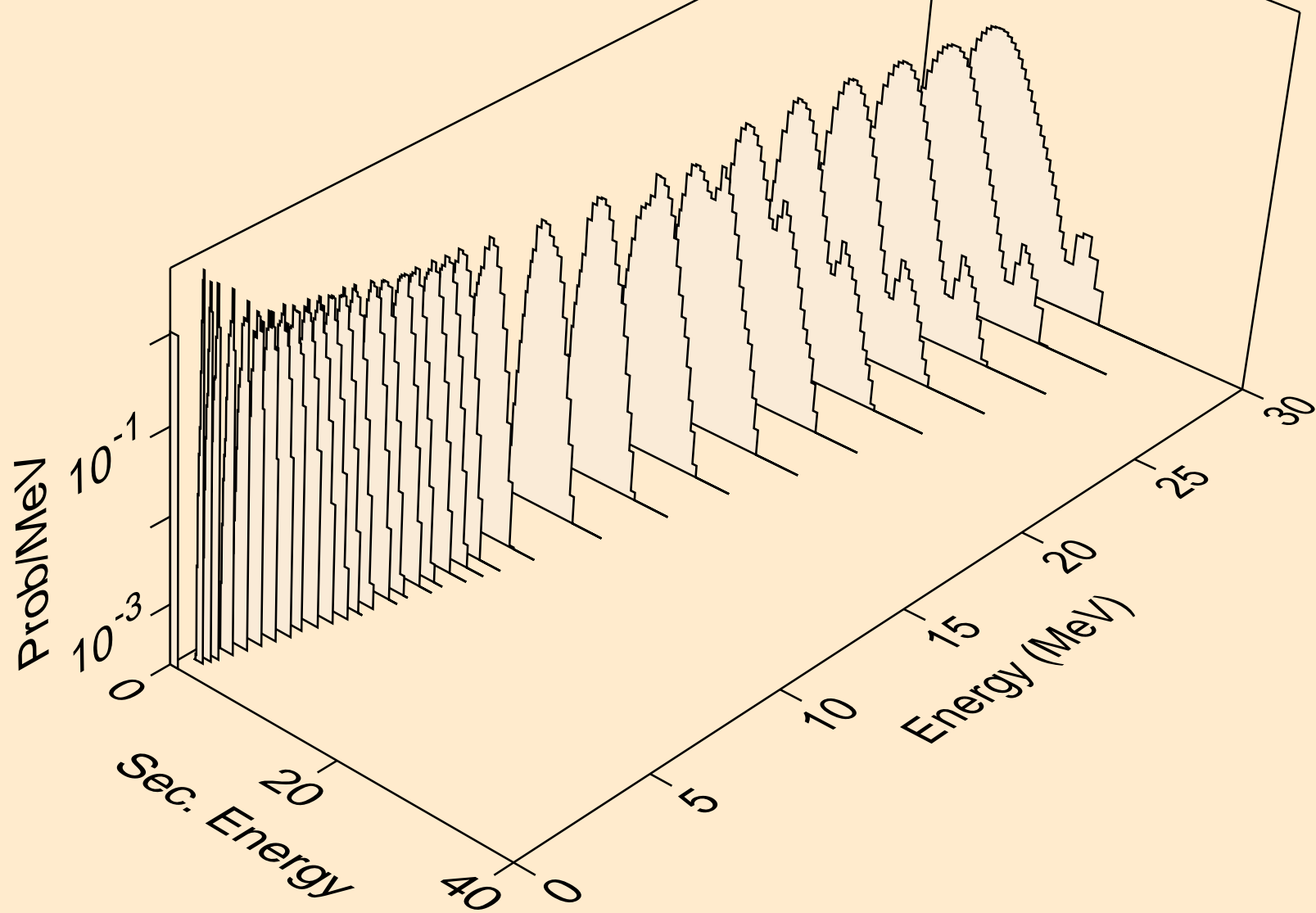
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protons from (n,p)



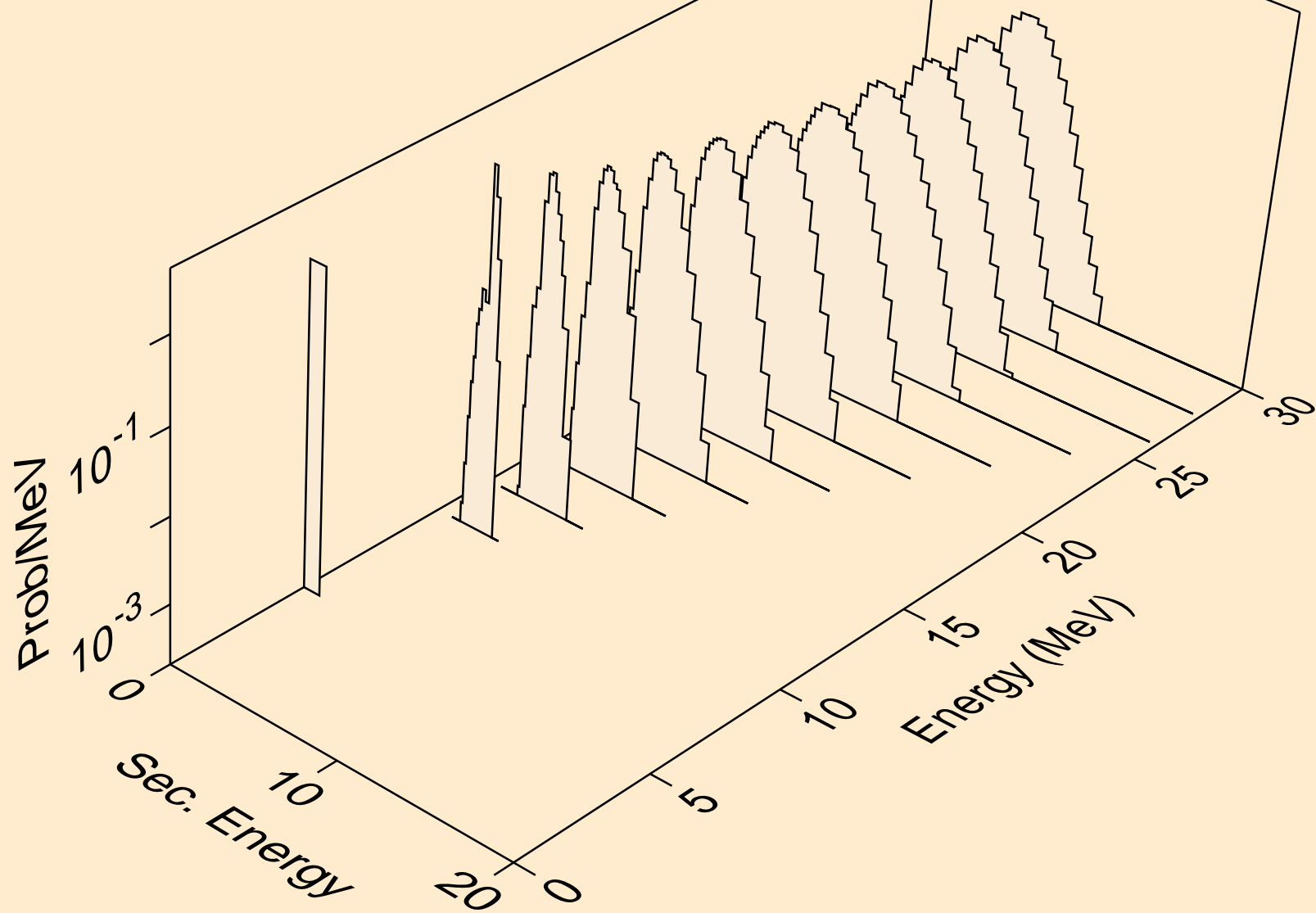
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protons from (n,2p)



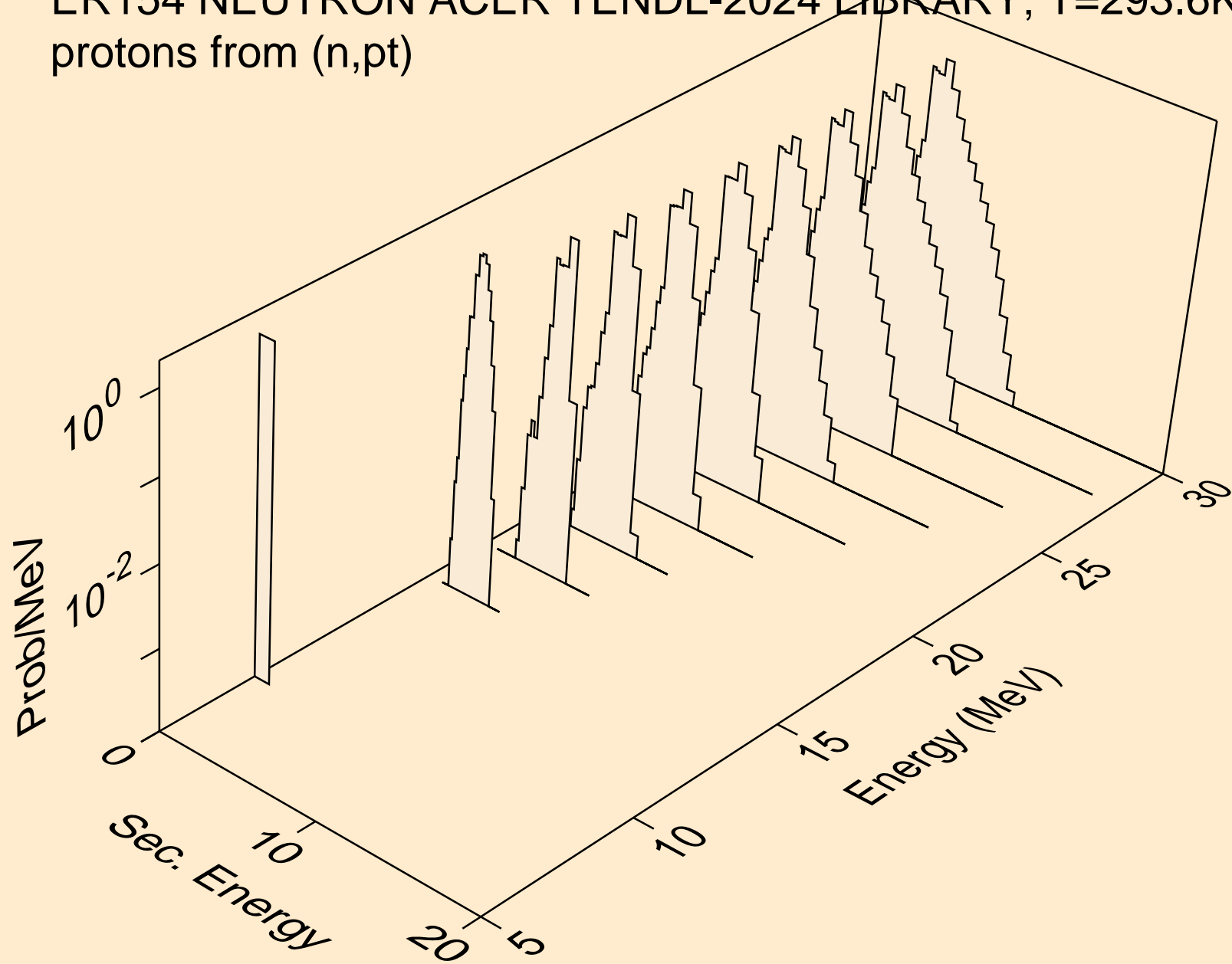
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protons from (n,p)



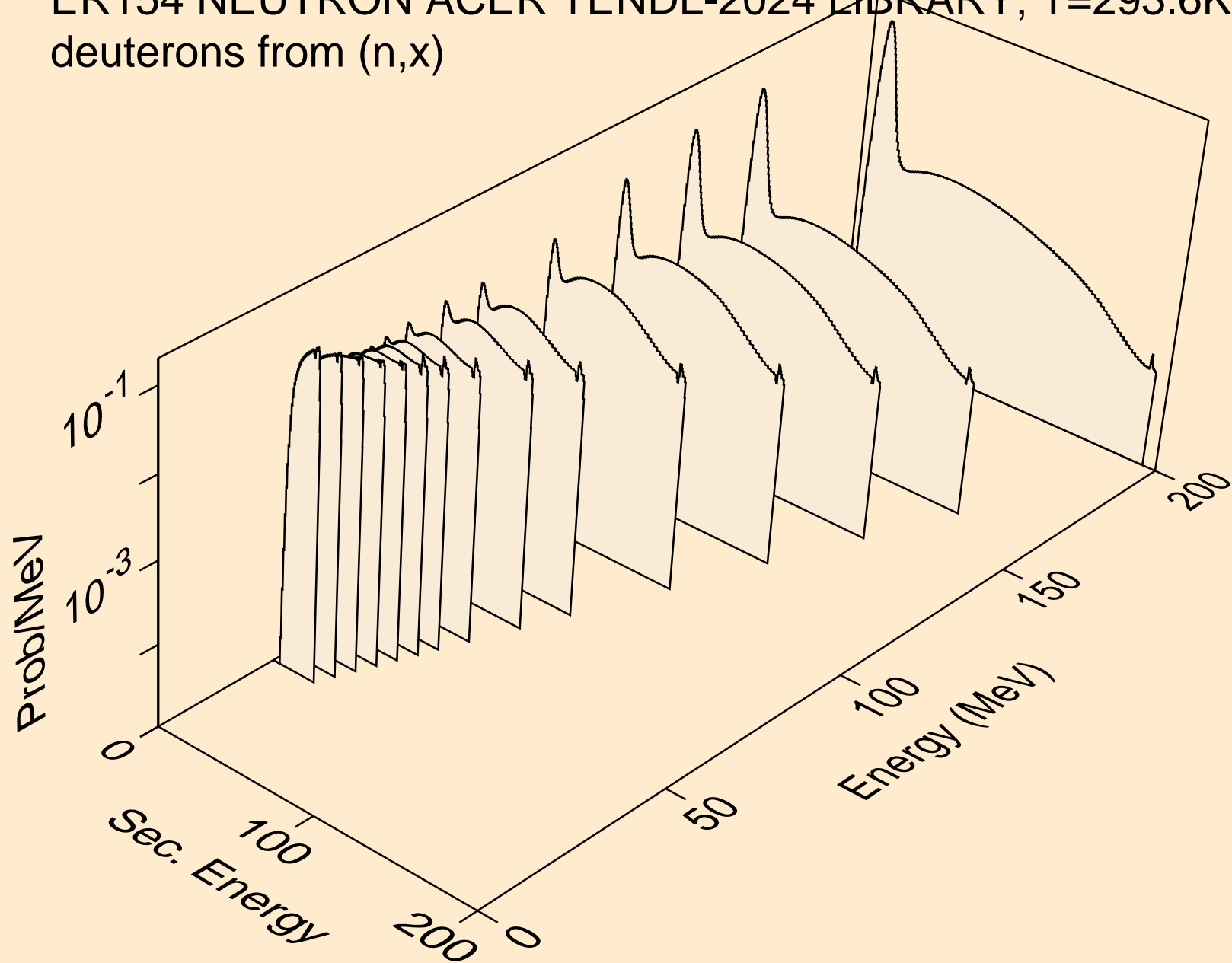
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pd)



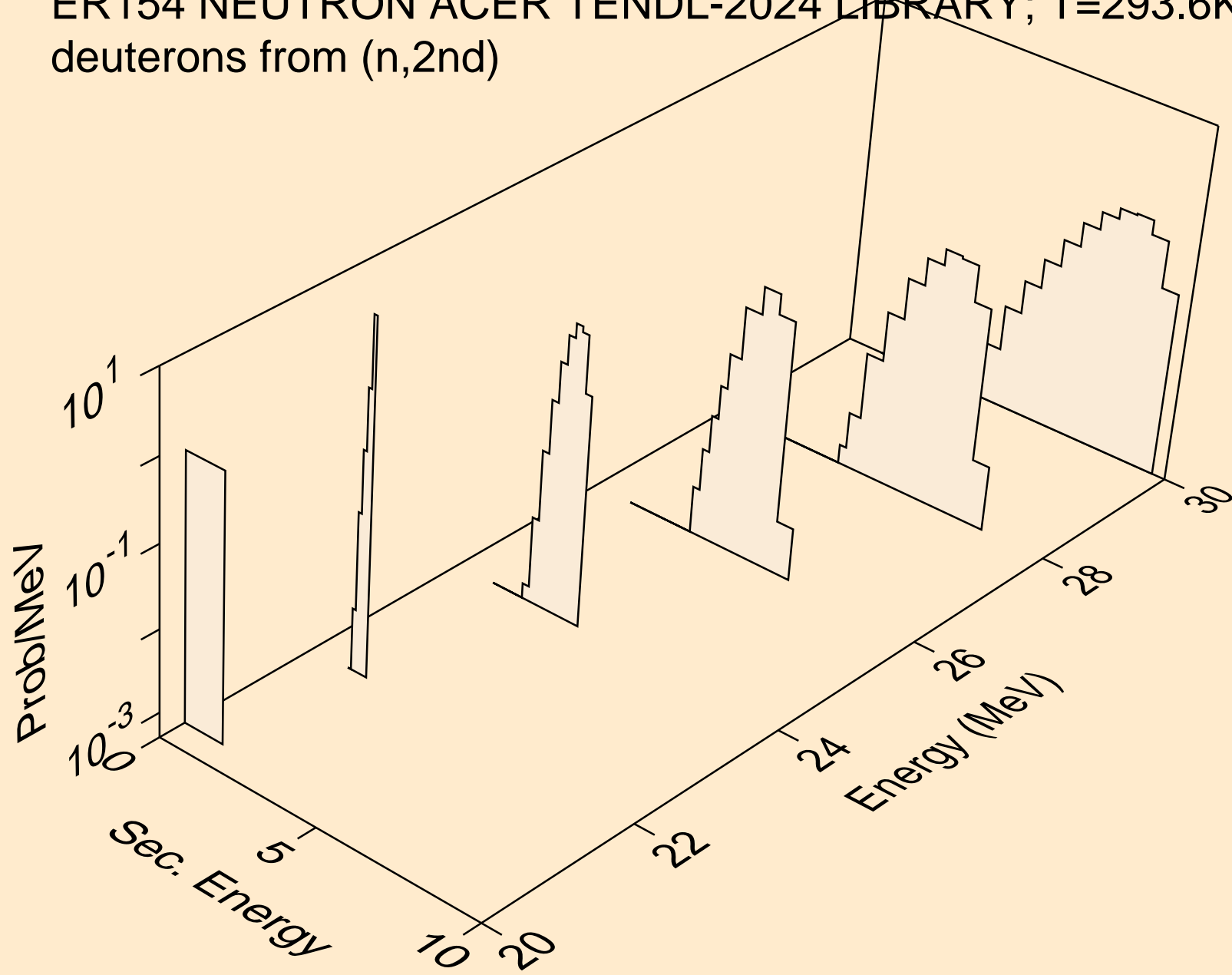
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,pt)



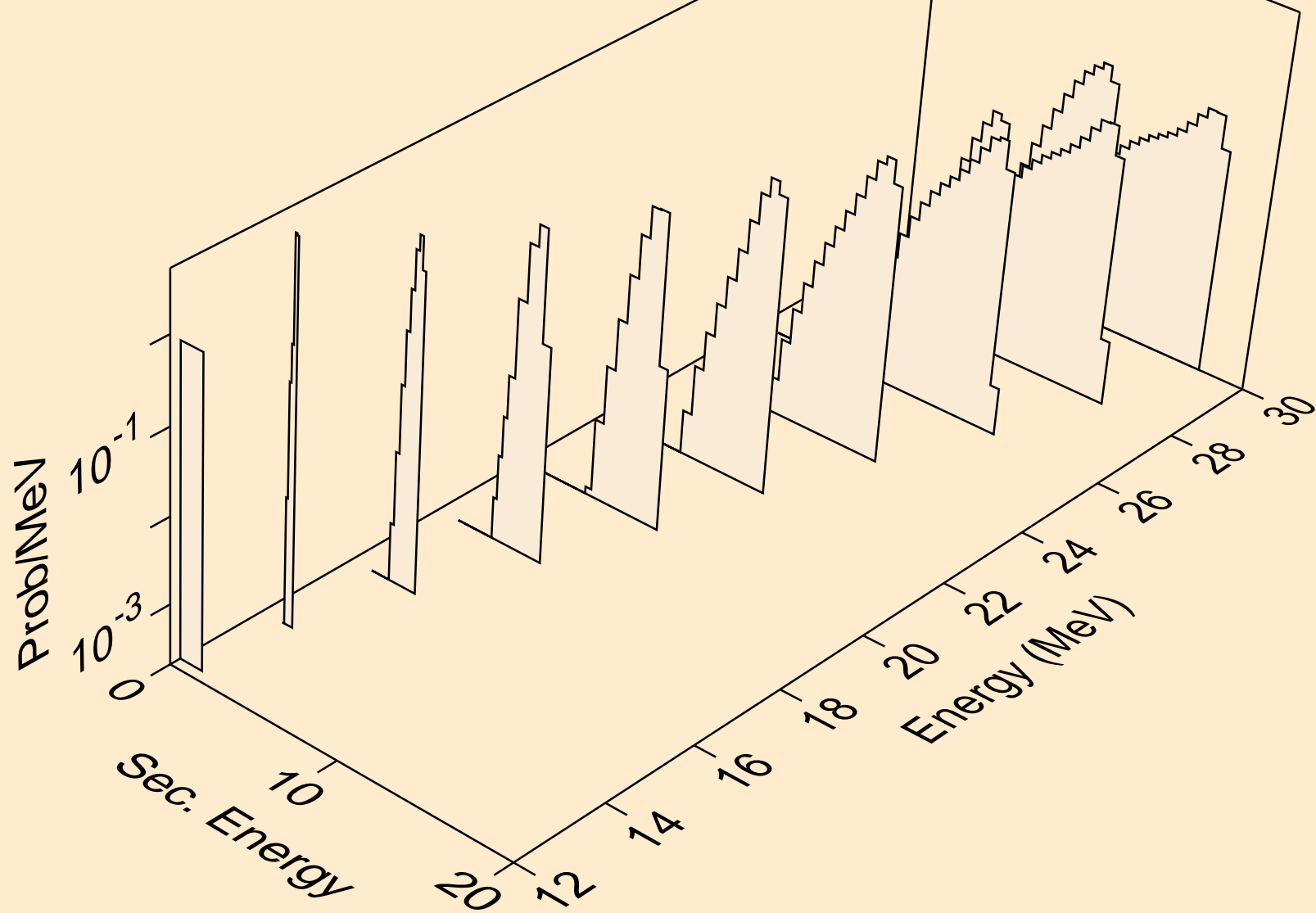
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,x)



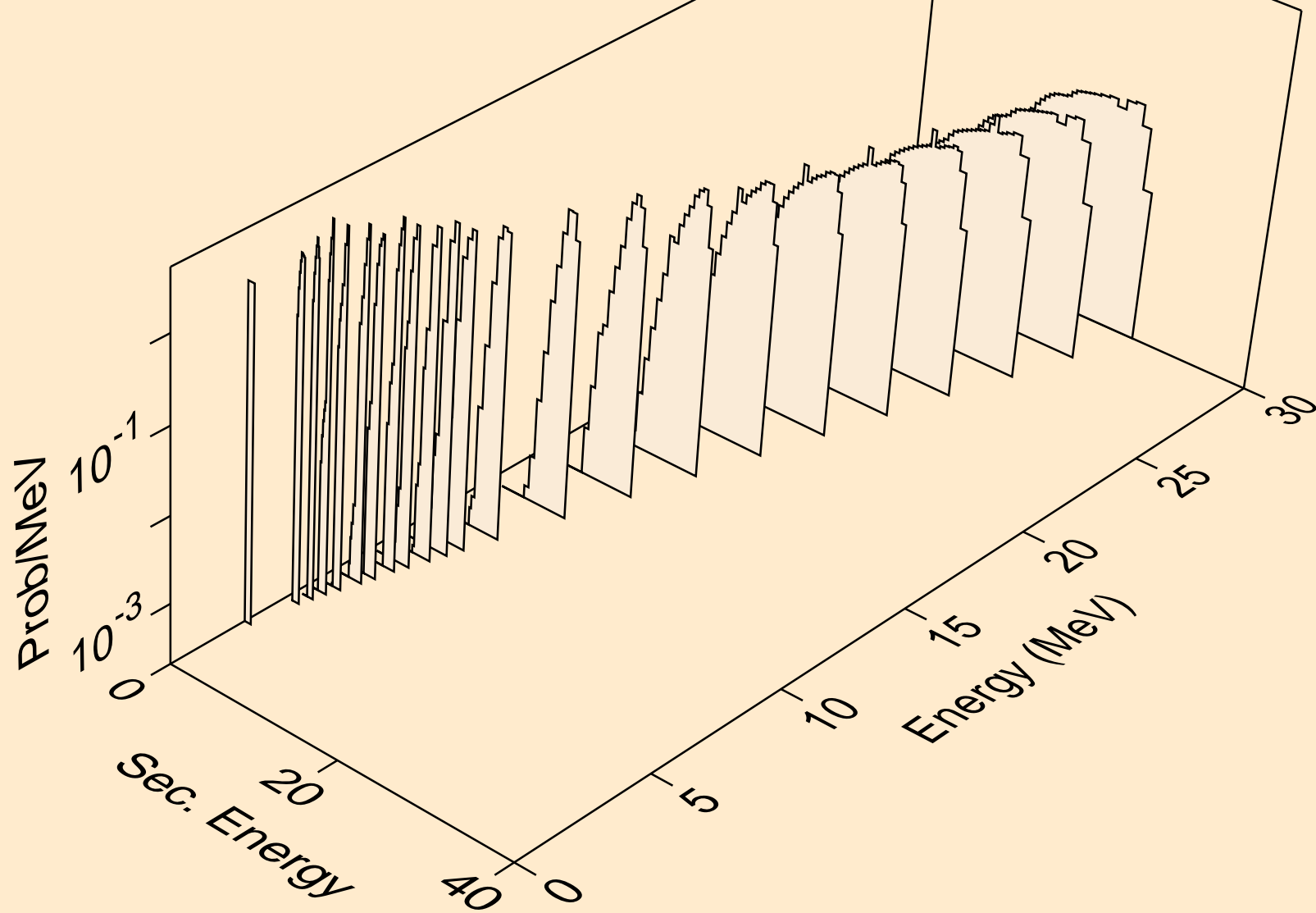
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deuterons from (n,2nd)



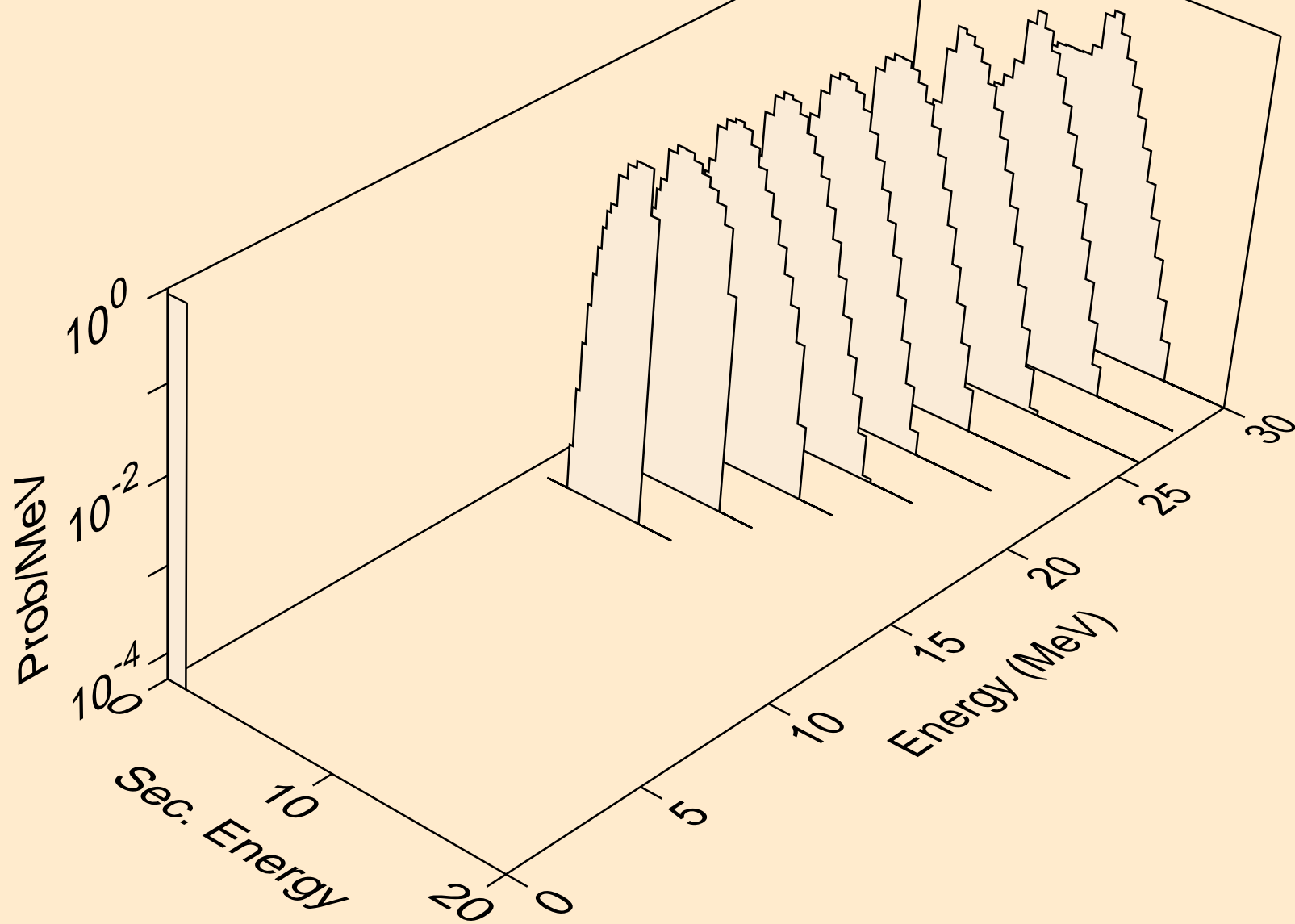
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
deuterons from (n,n\*)d



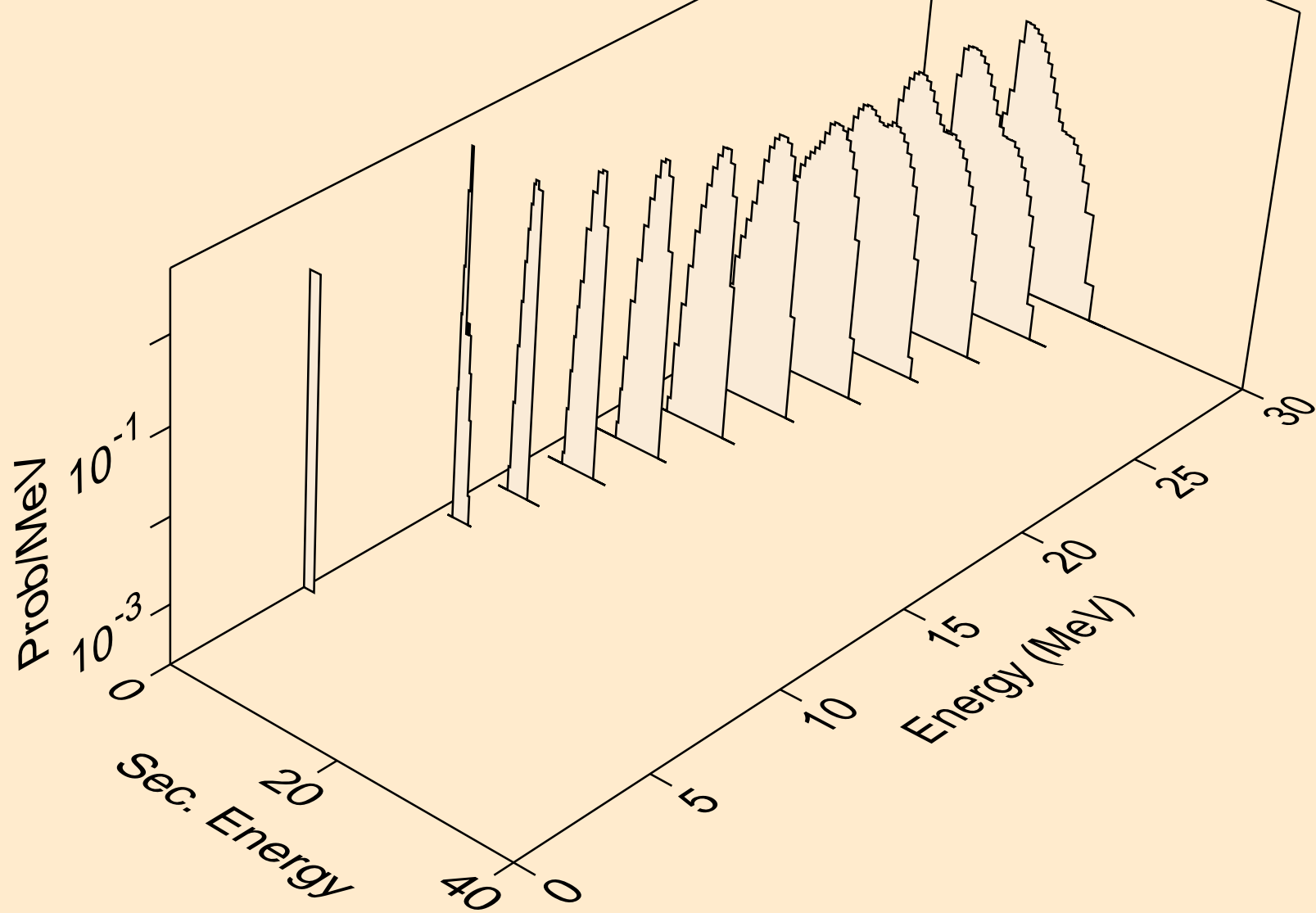
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deuterons from (n,d)



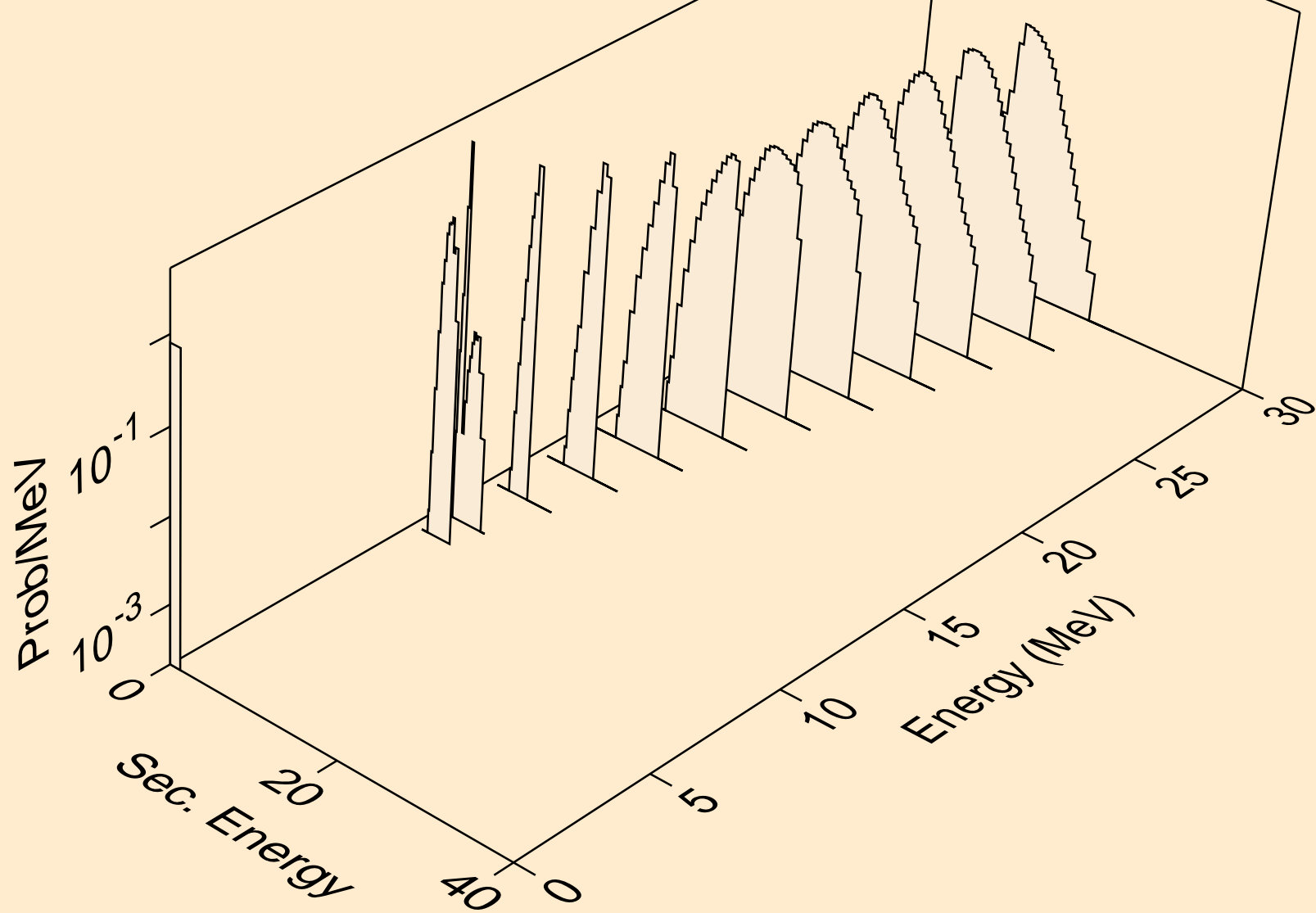
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deuterons from (n,d2a)



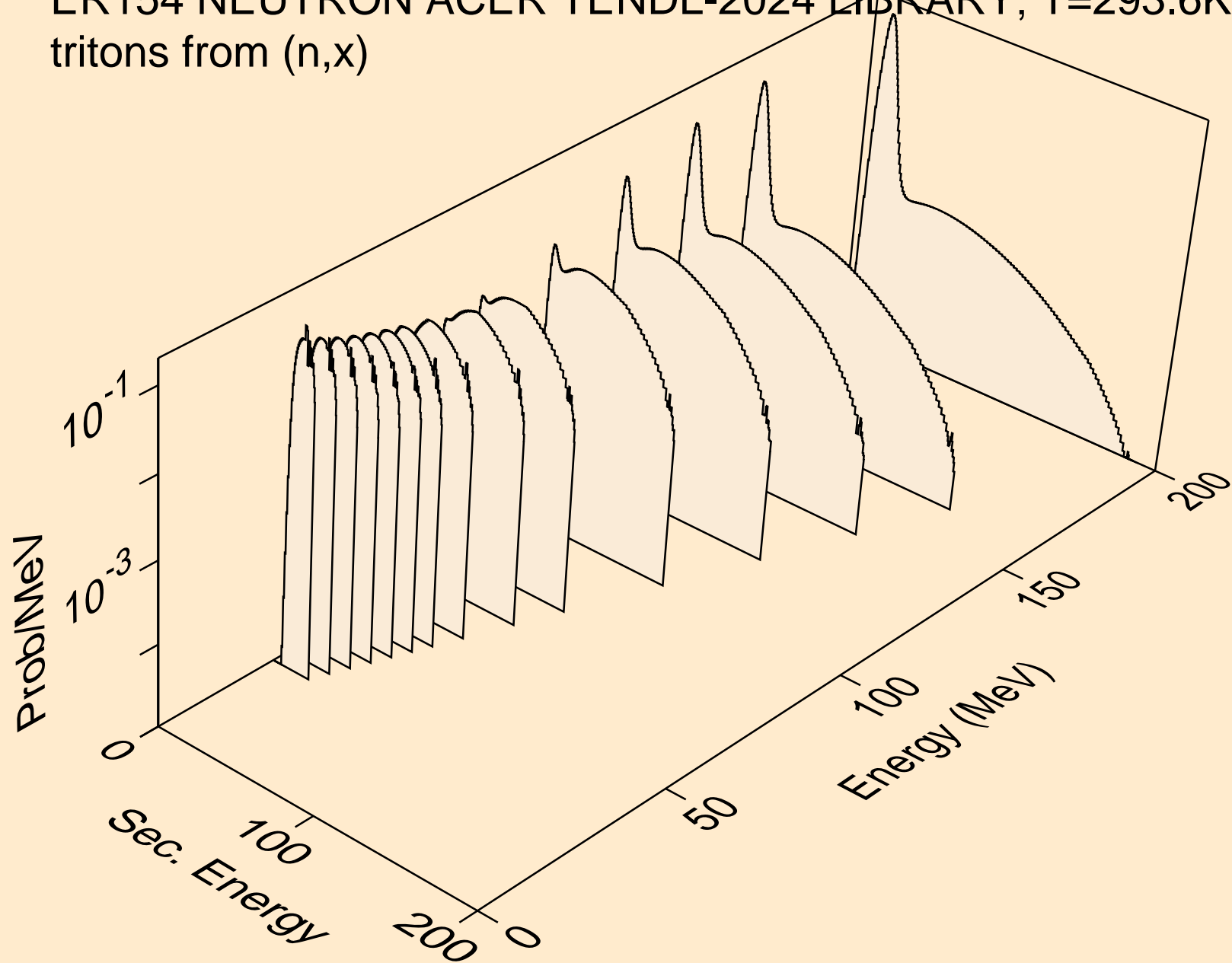
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deuterons from (n,pd)



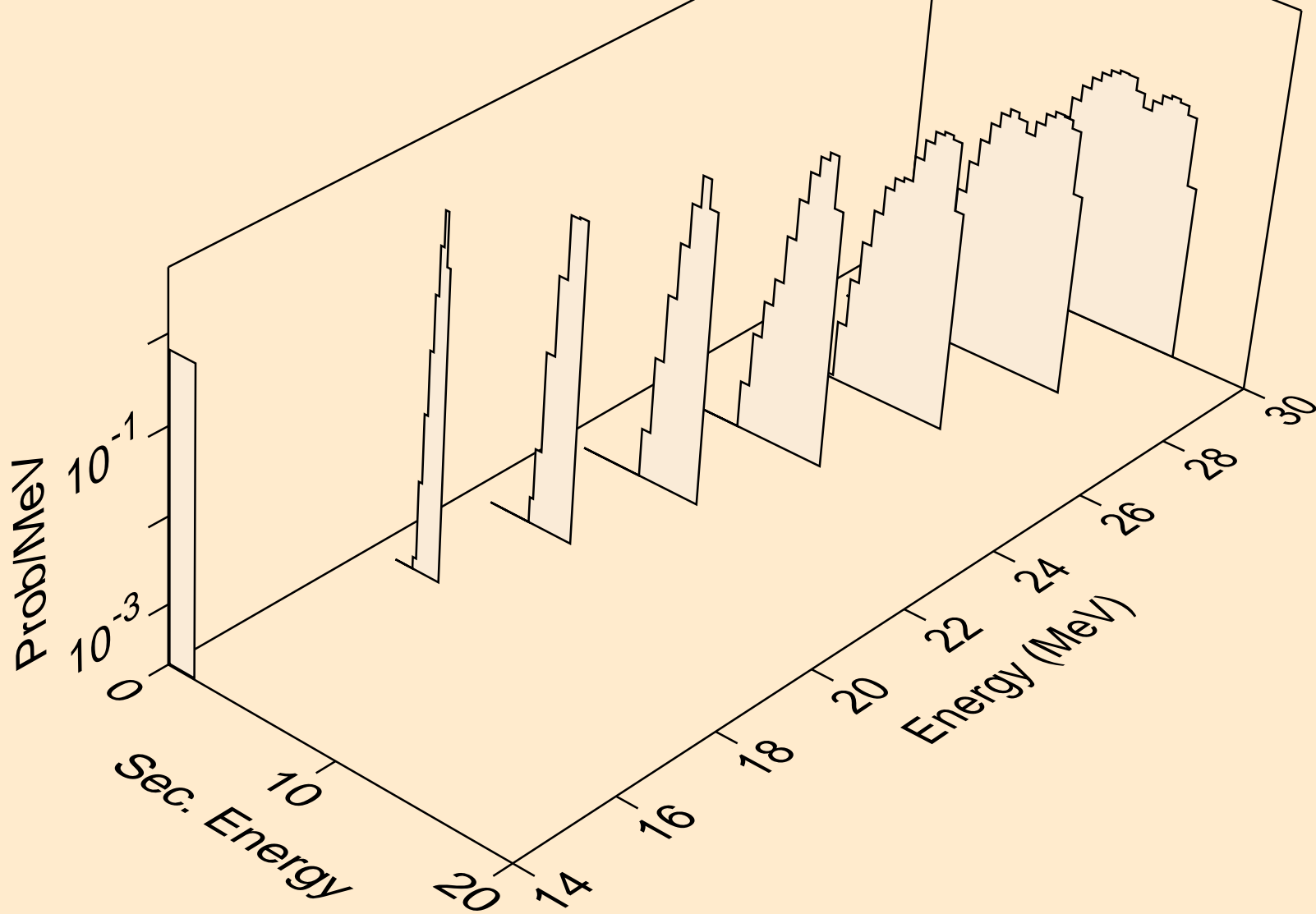
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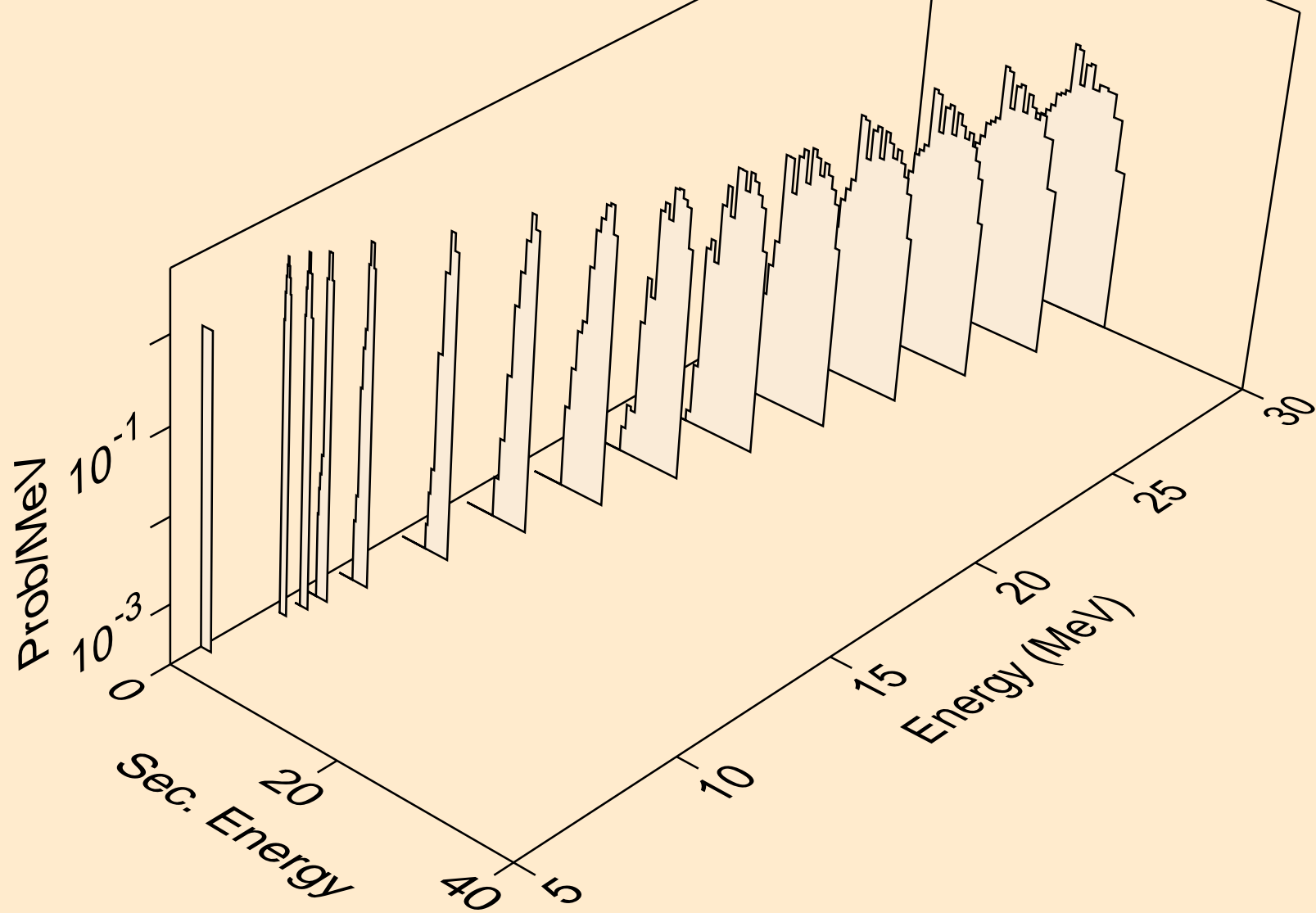
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,x)



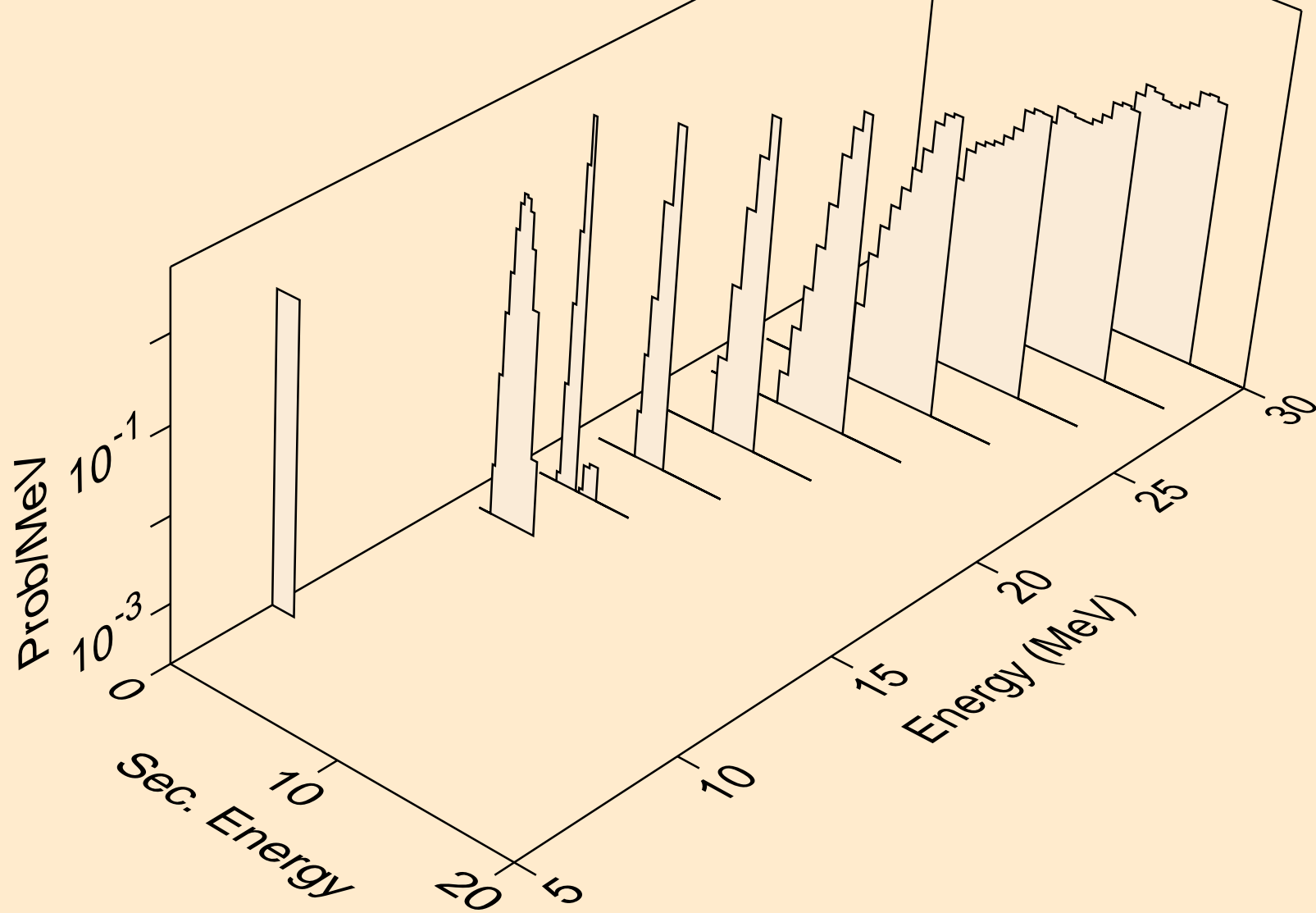
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,n\*)t



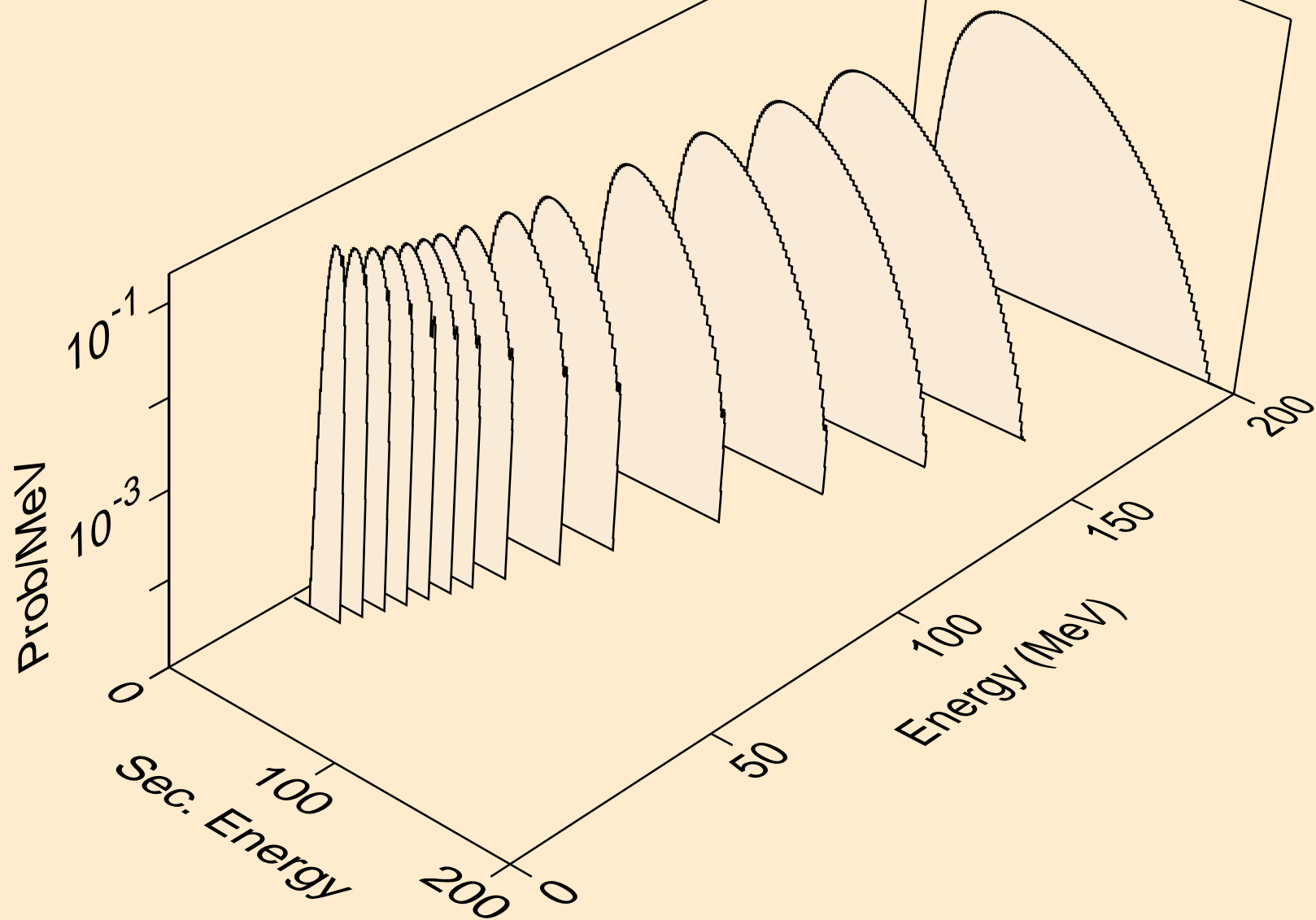
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
tritons from (n,t)



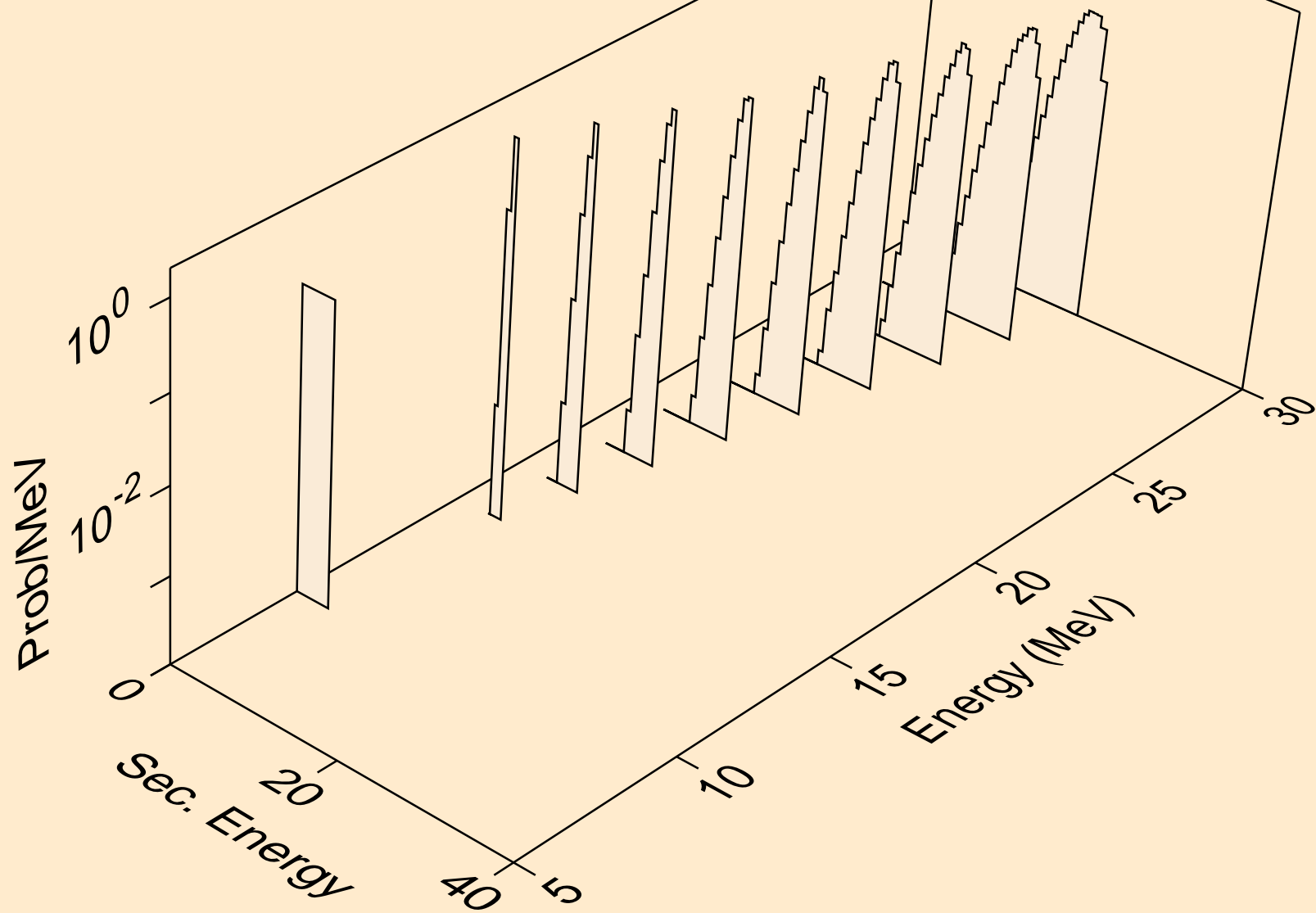
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tritons from (n,pt)



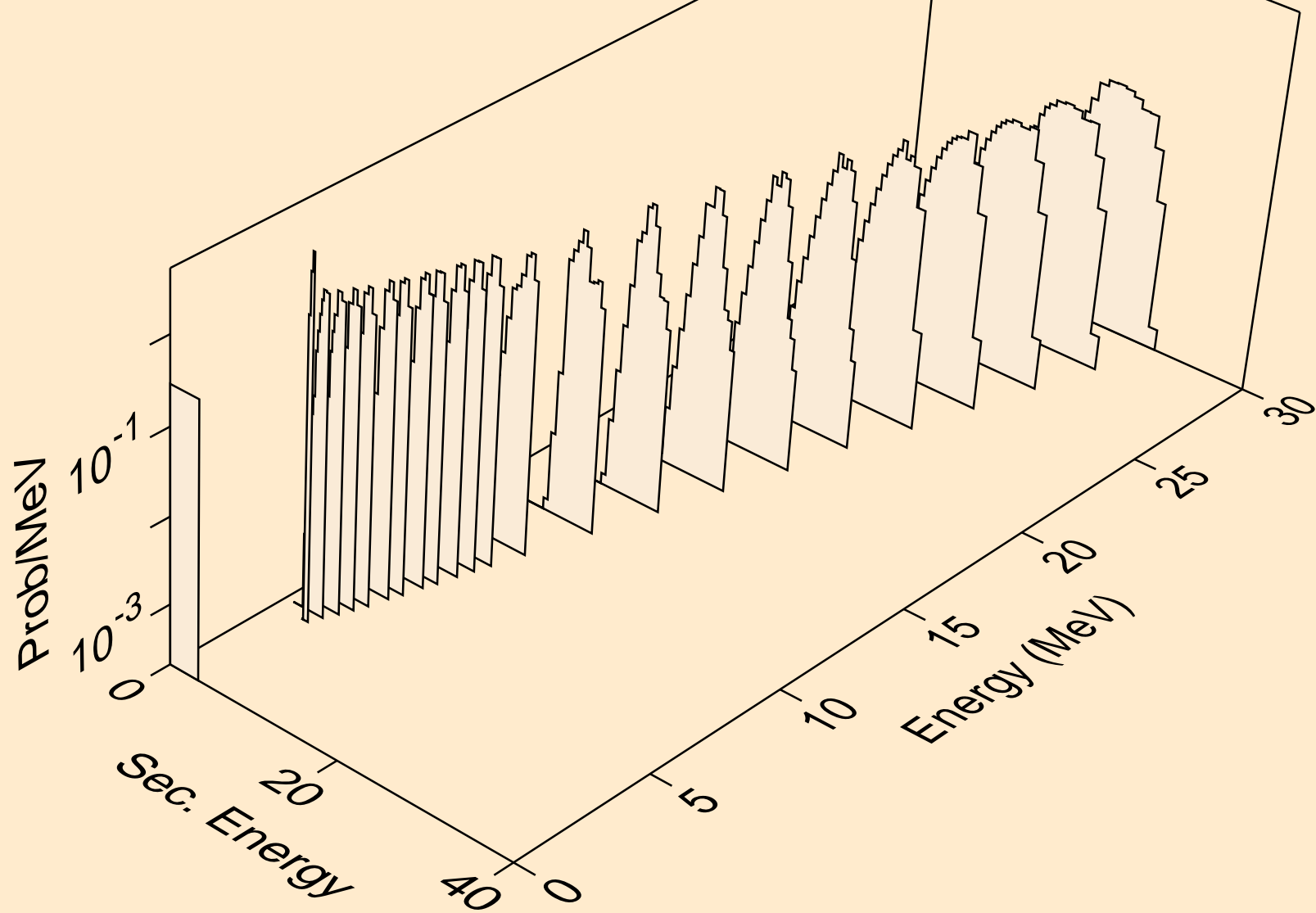
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,x)



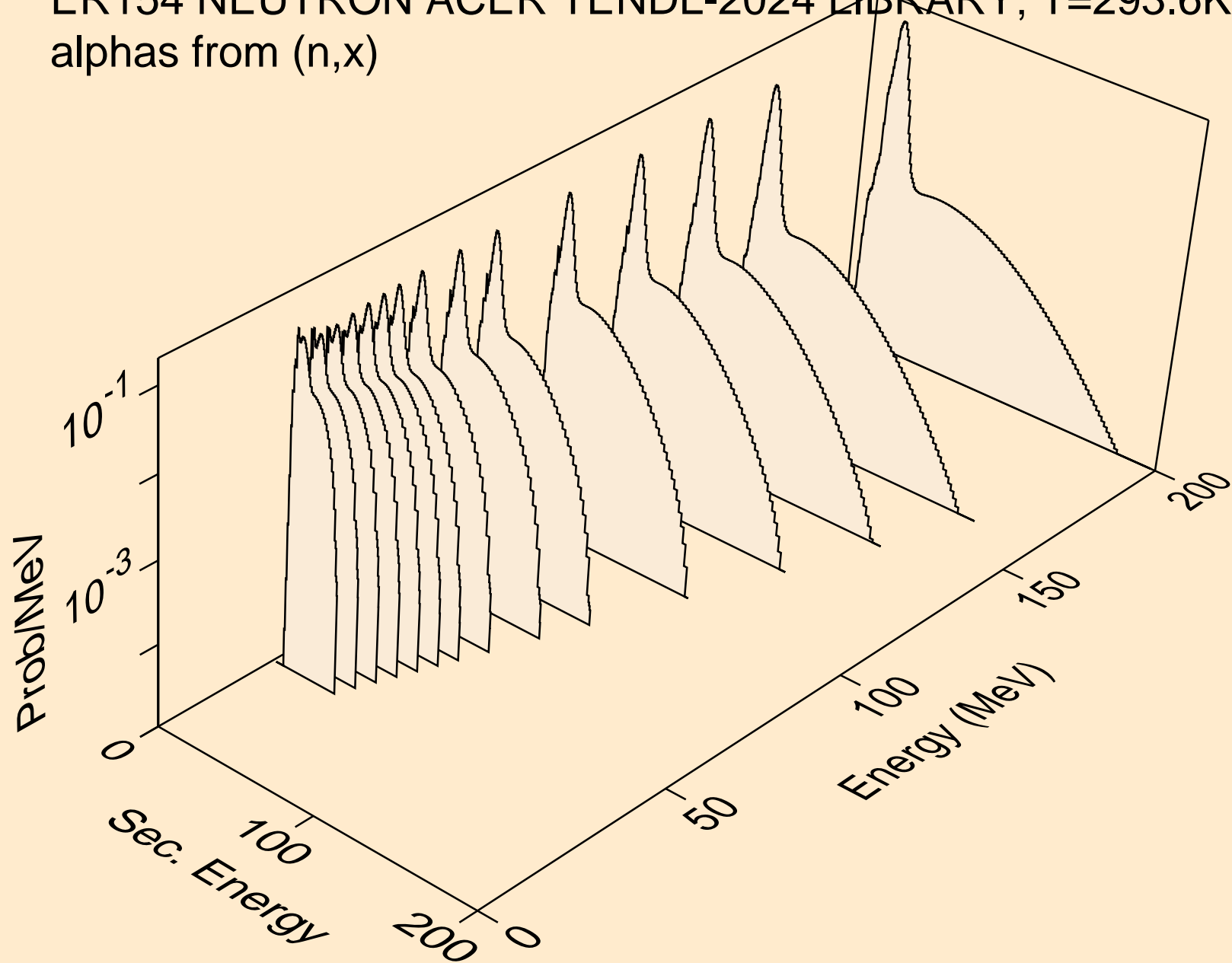
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,n\*)he3



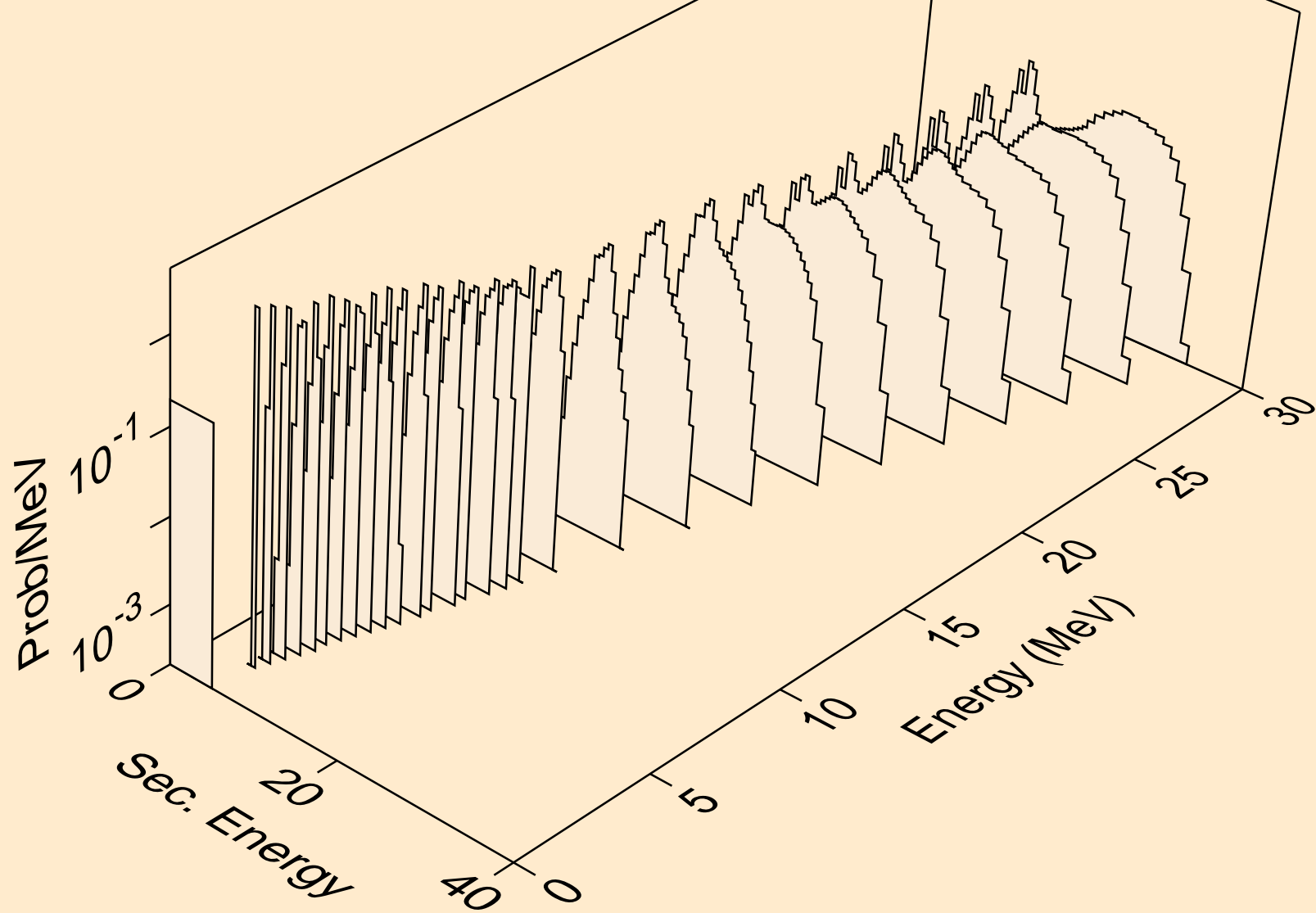
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
he3s from (n,he3)



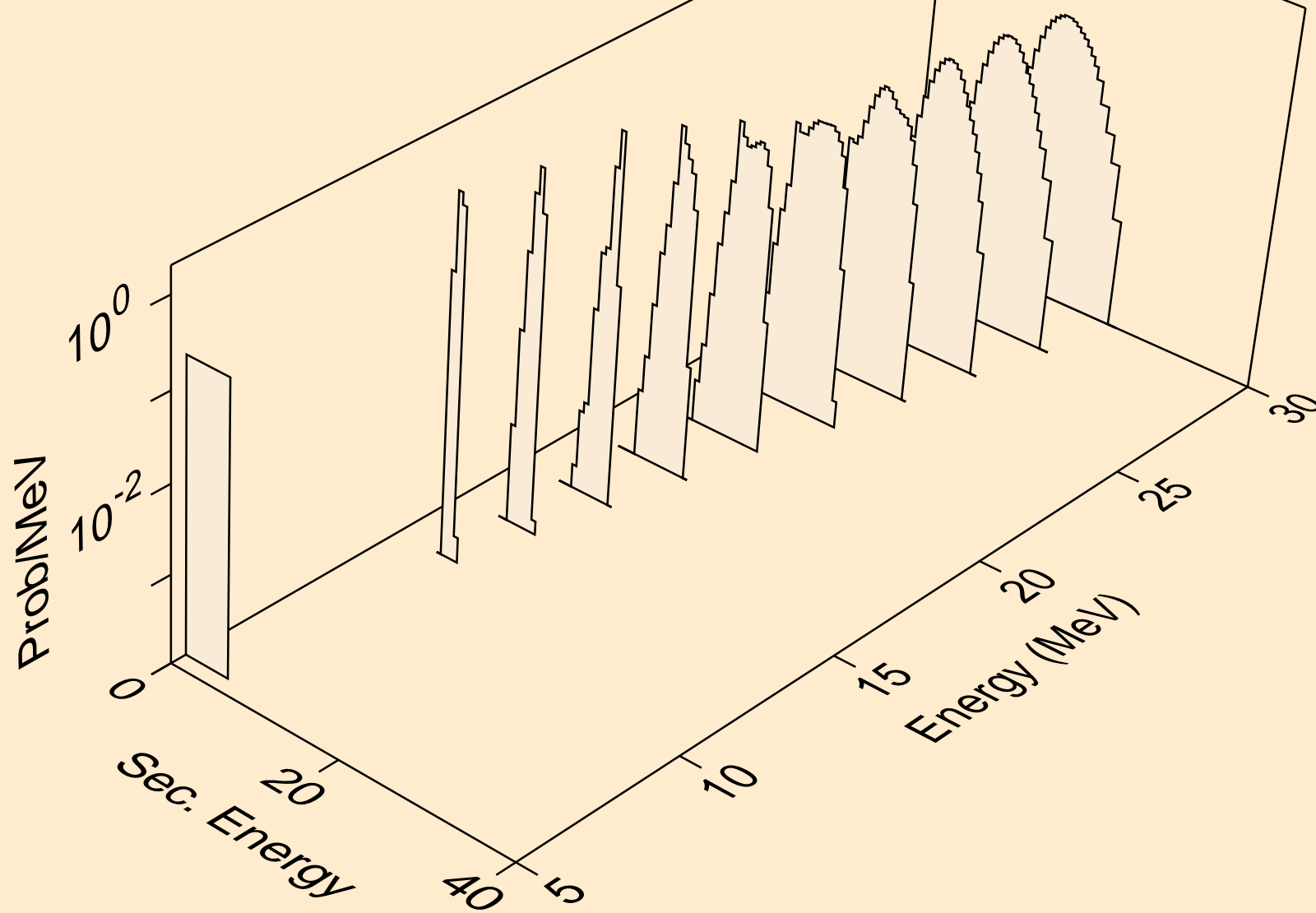
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,x)



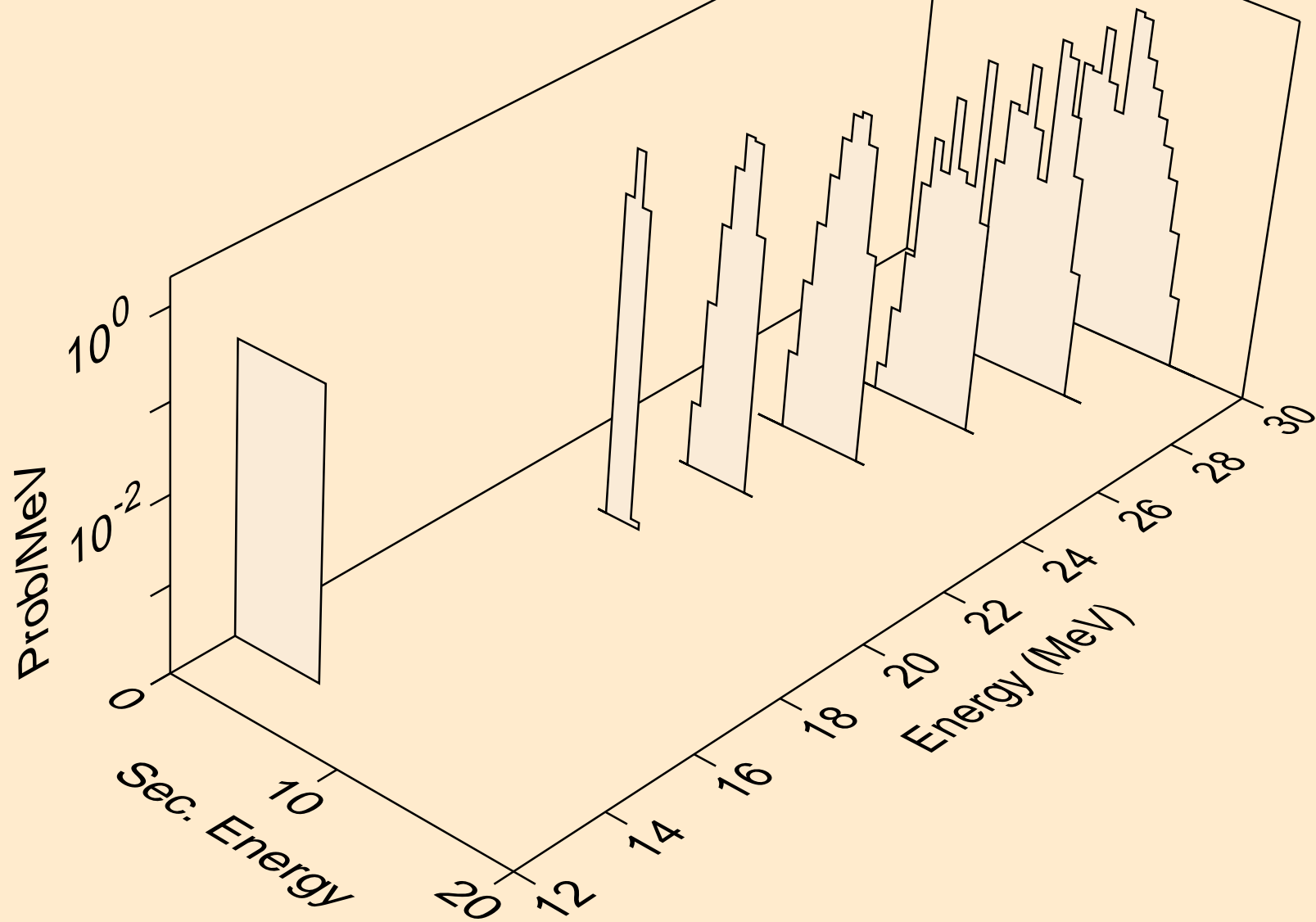
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)a



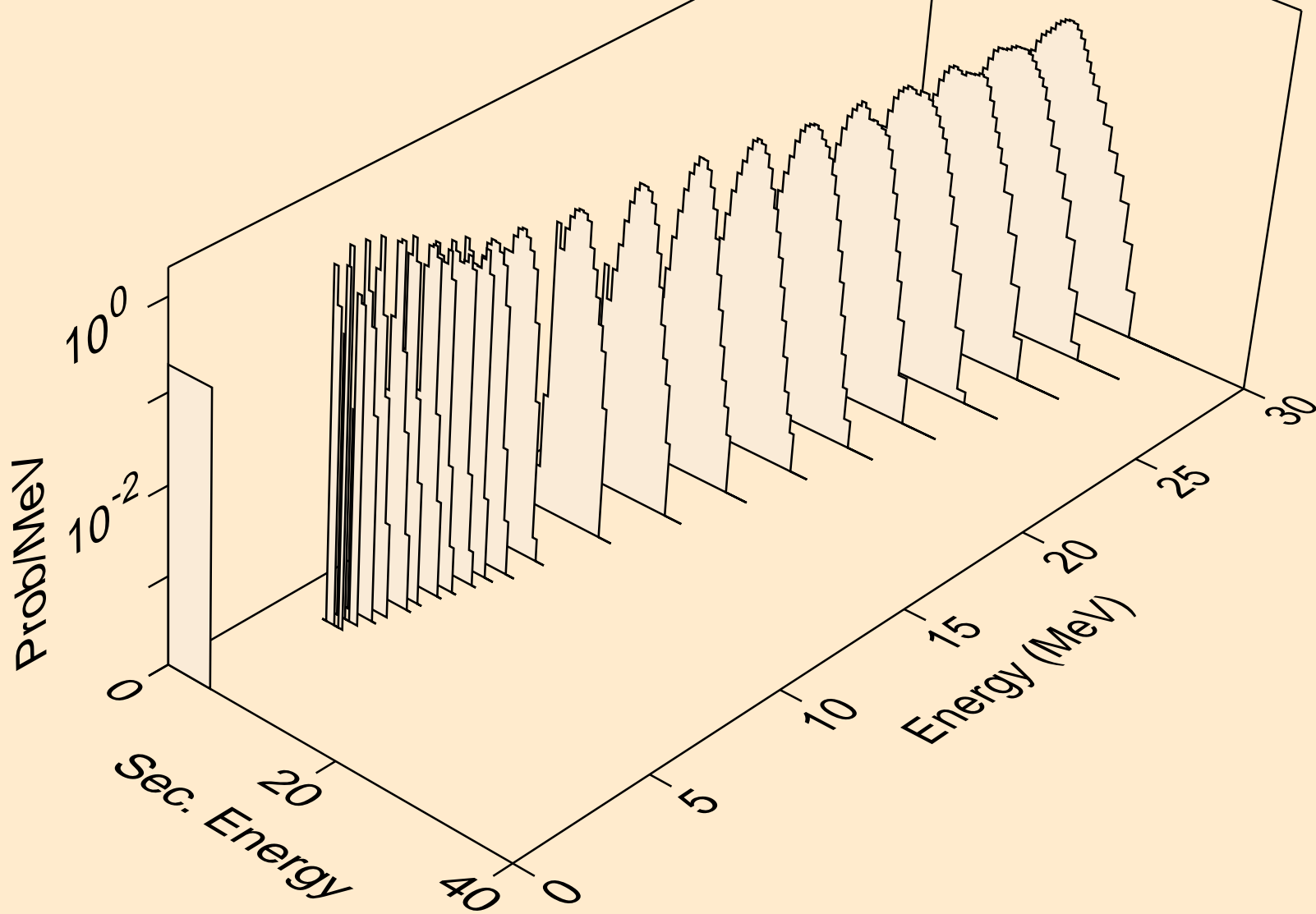
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)a



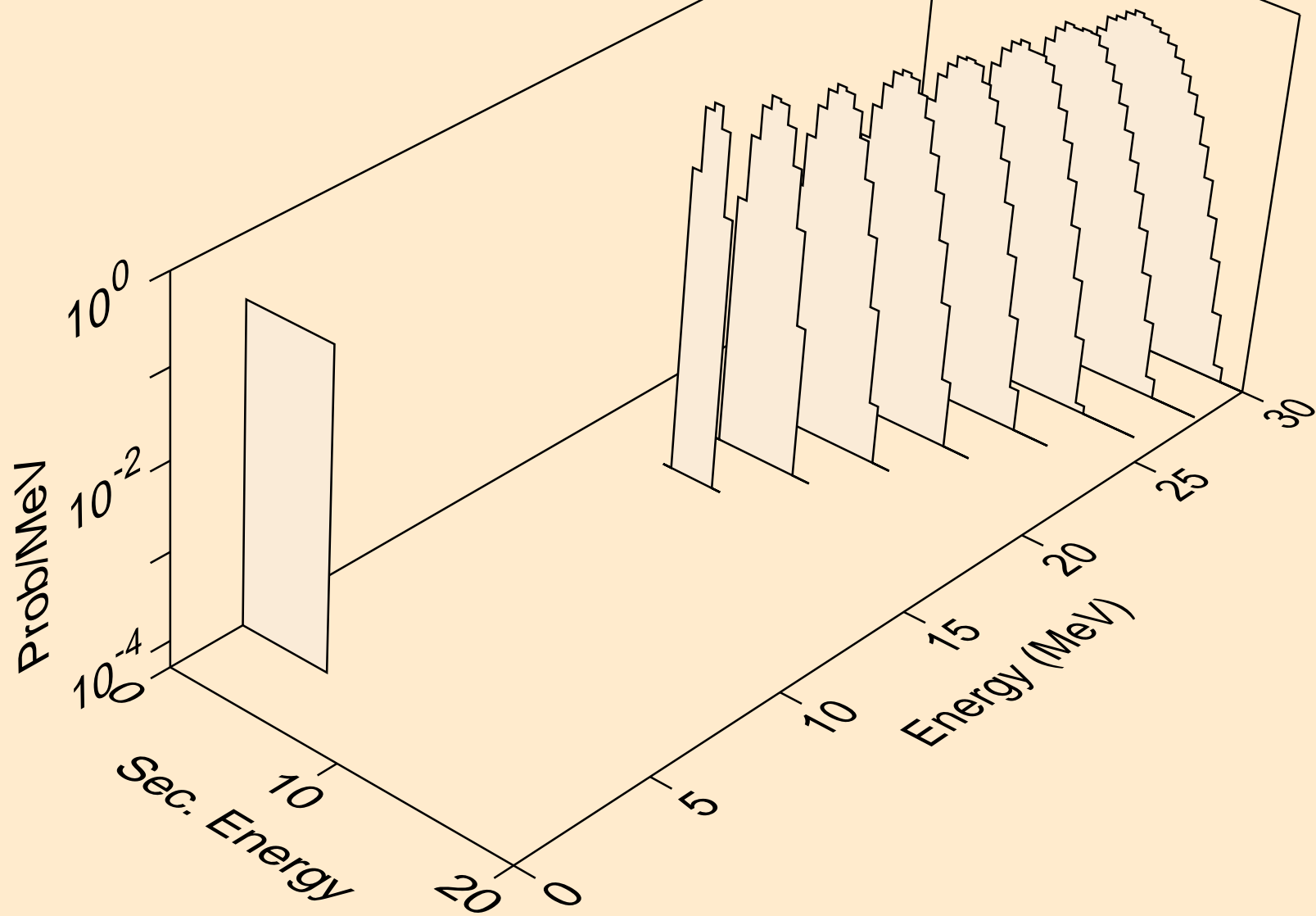
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3n)a



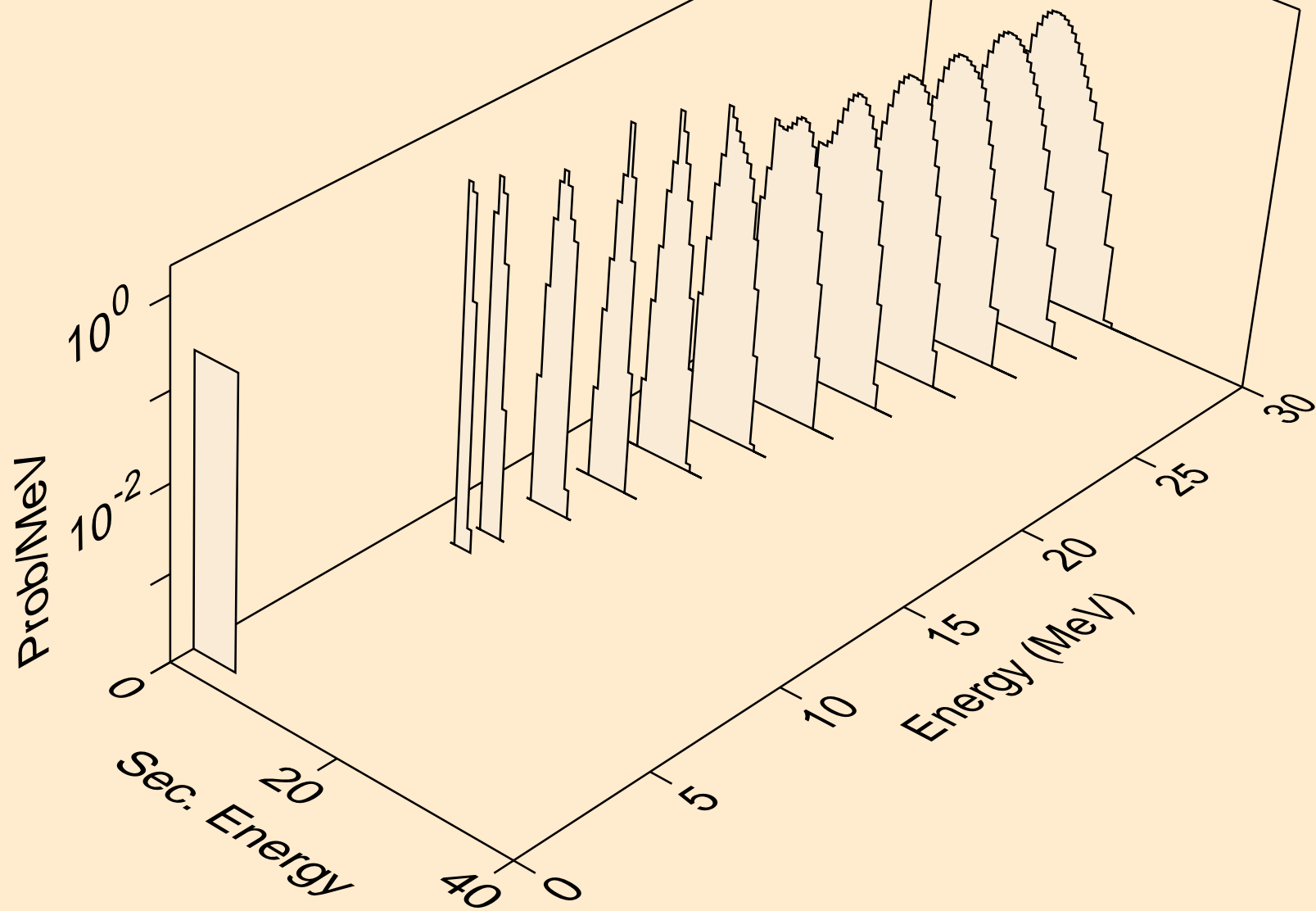
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,n\*)2a



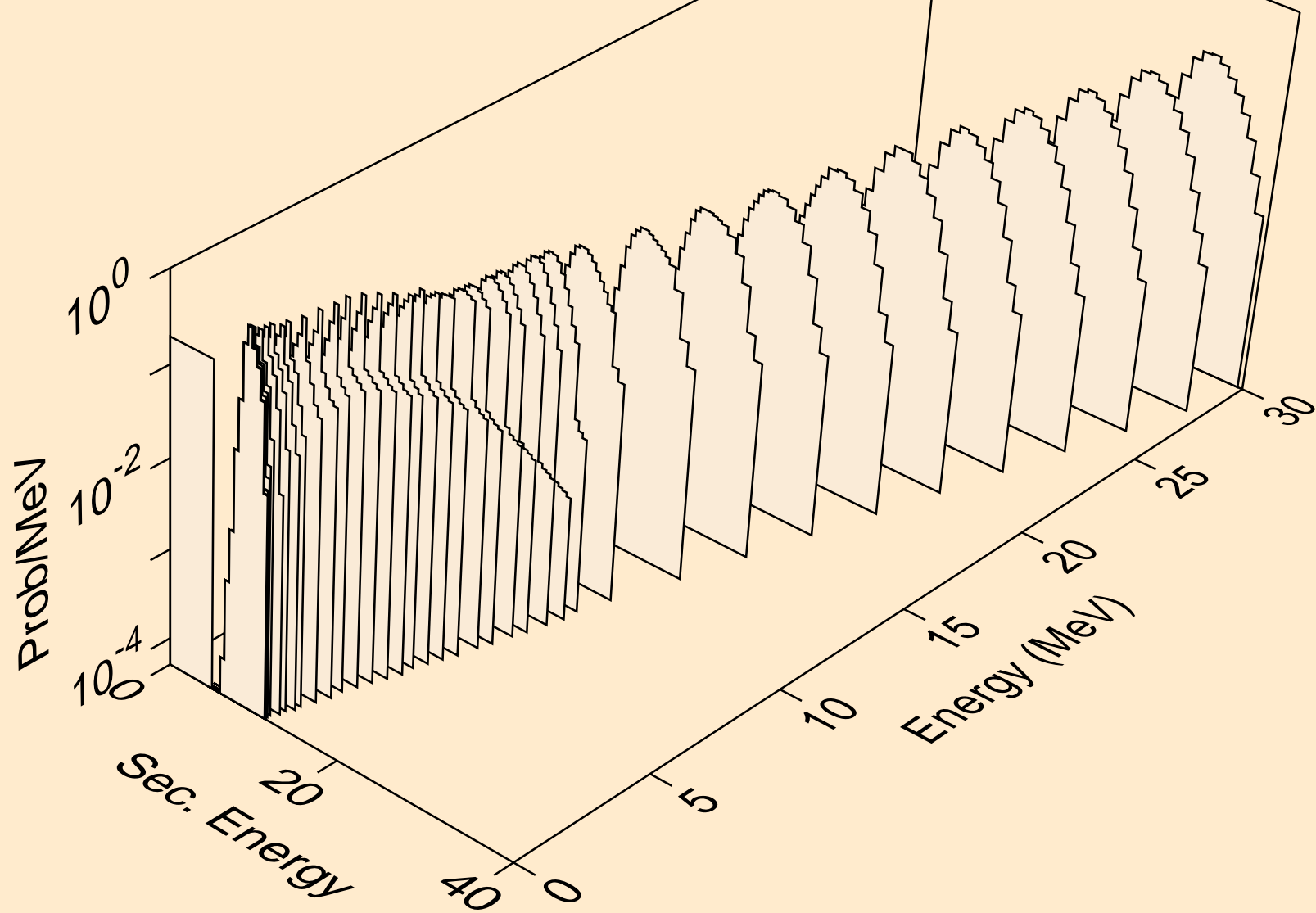
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2n)2a



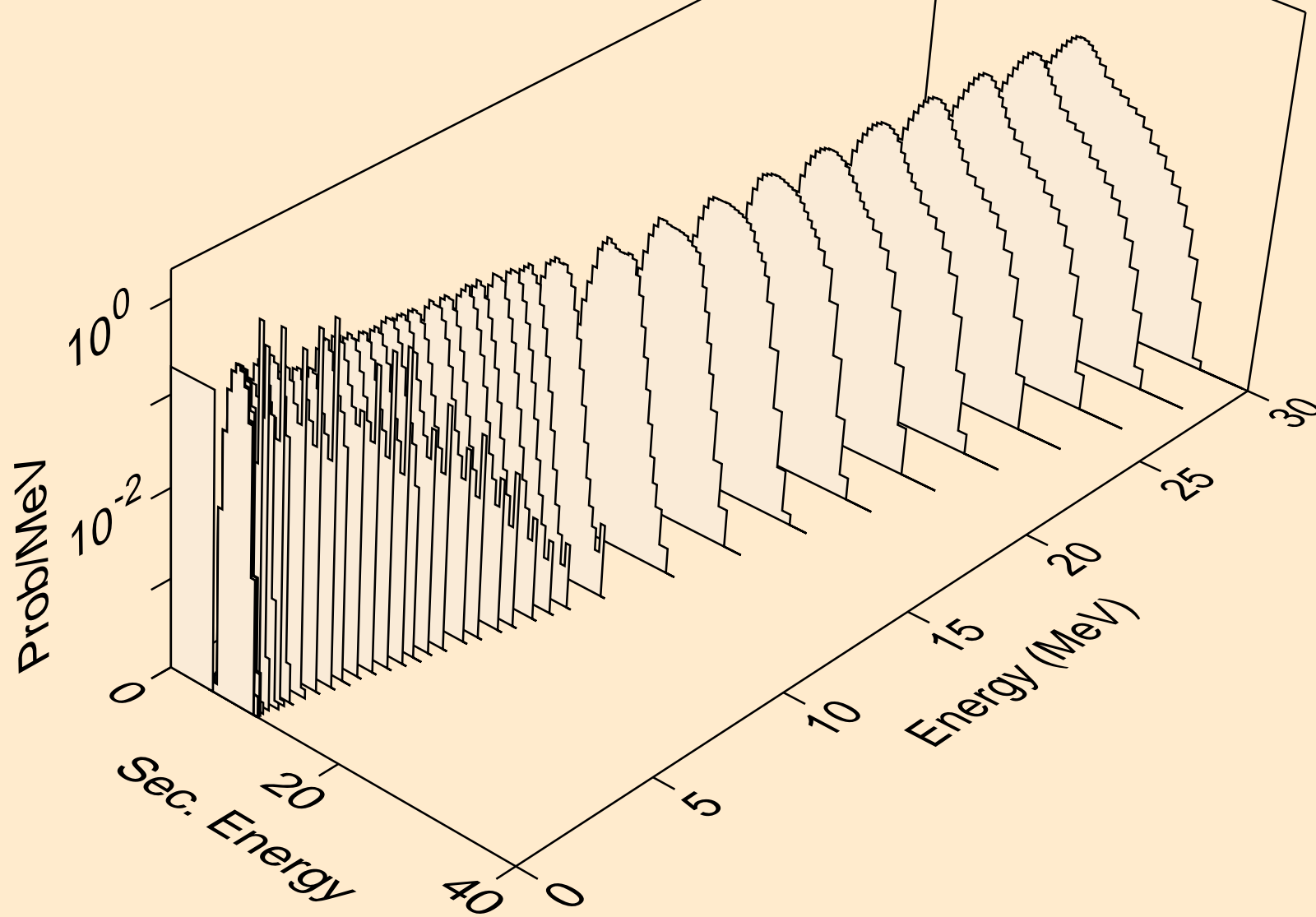
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,npa)



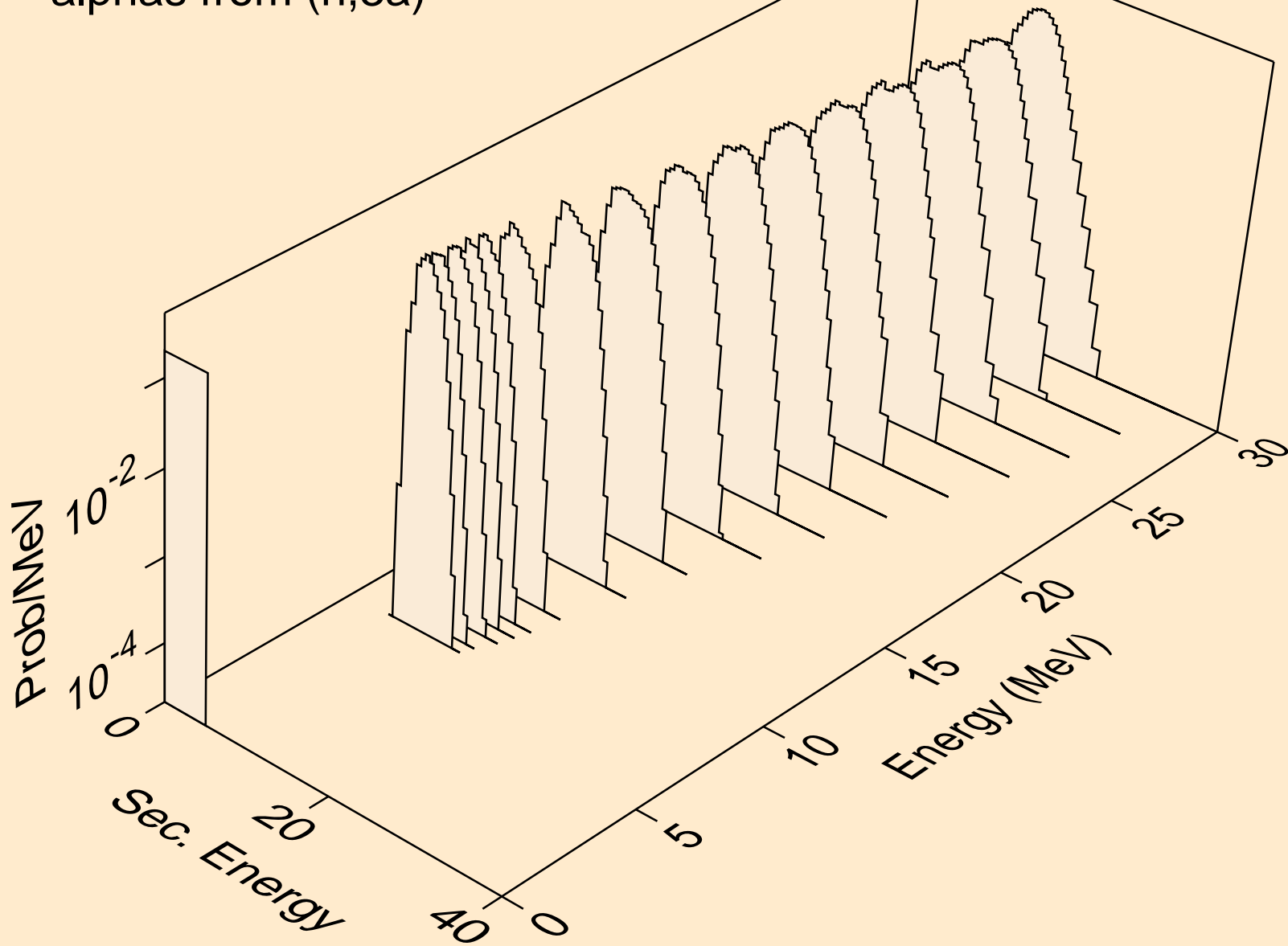
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,a)



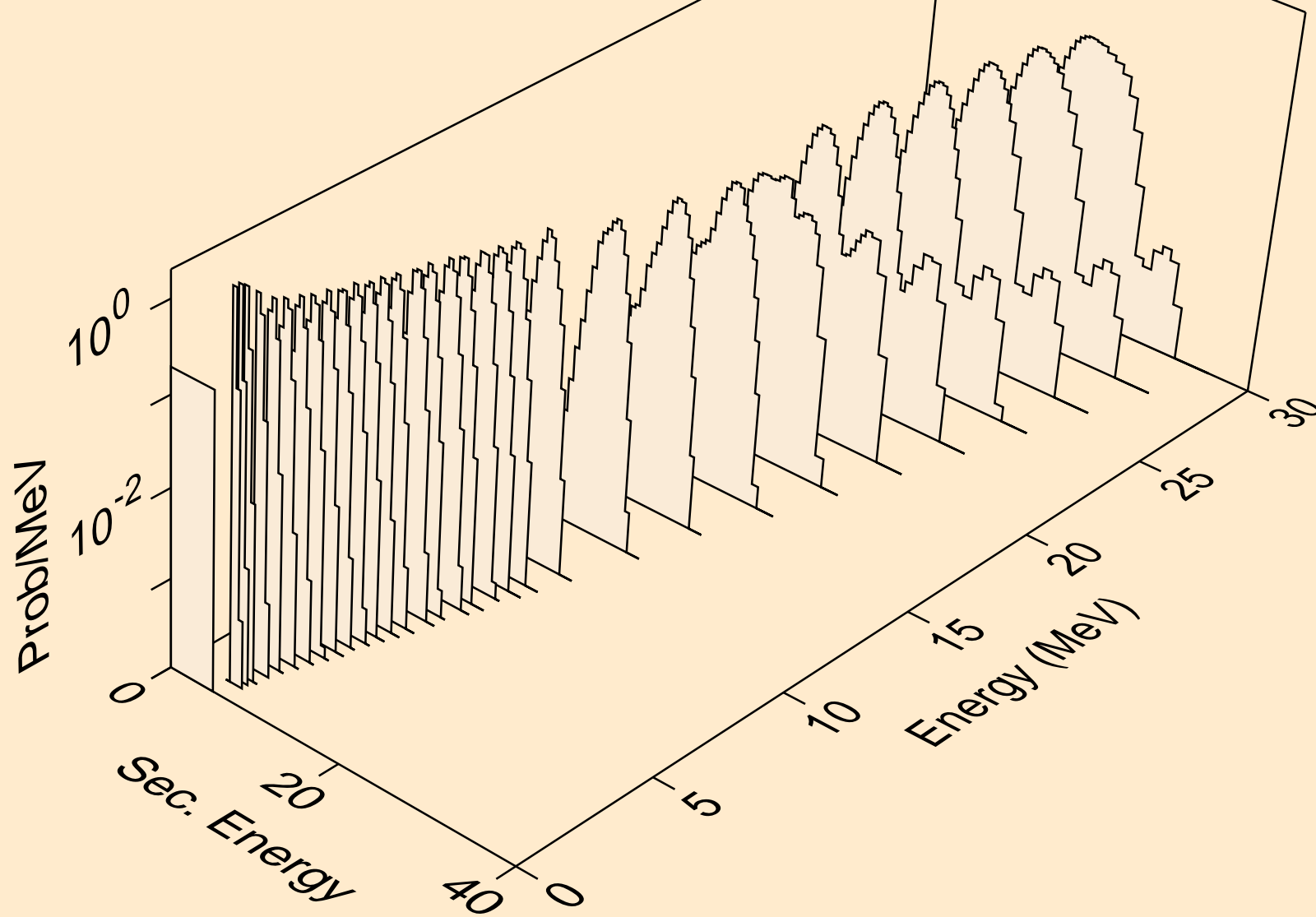
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,2a)



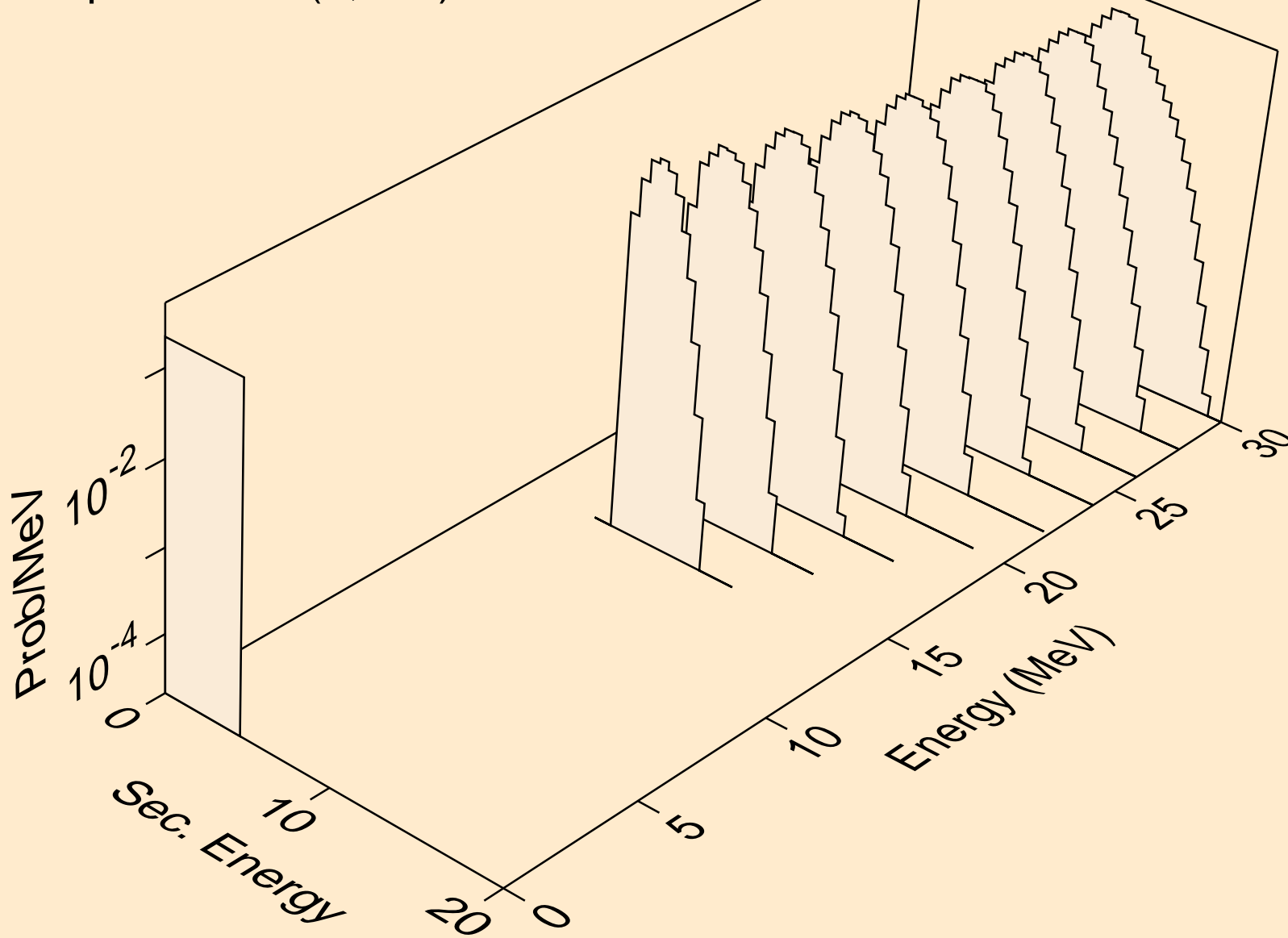
ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3a)



ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,d2a)



ER154 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

