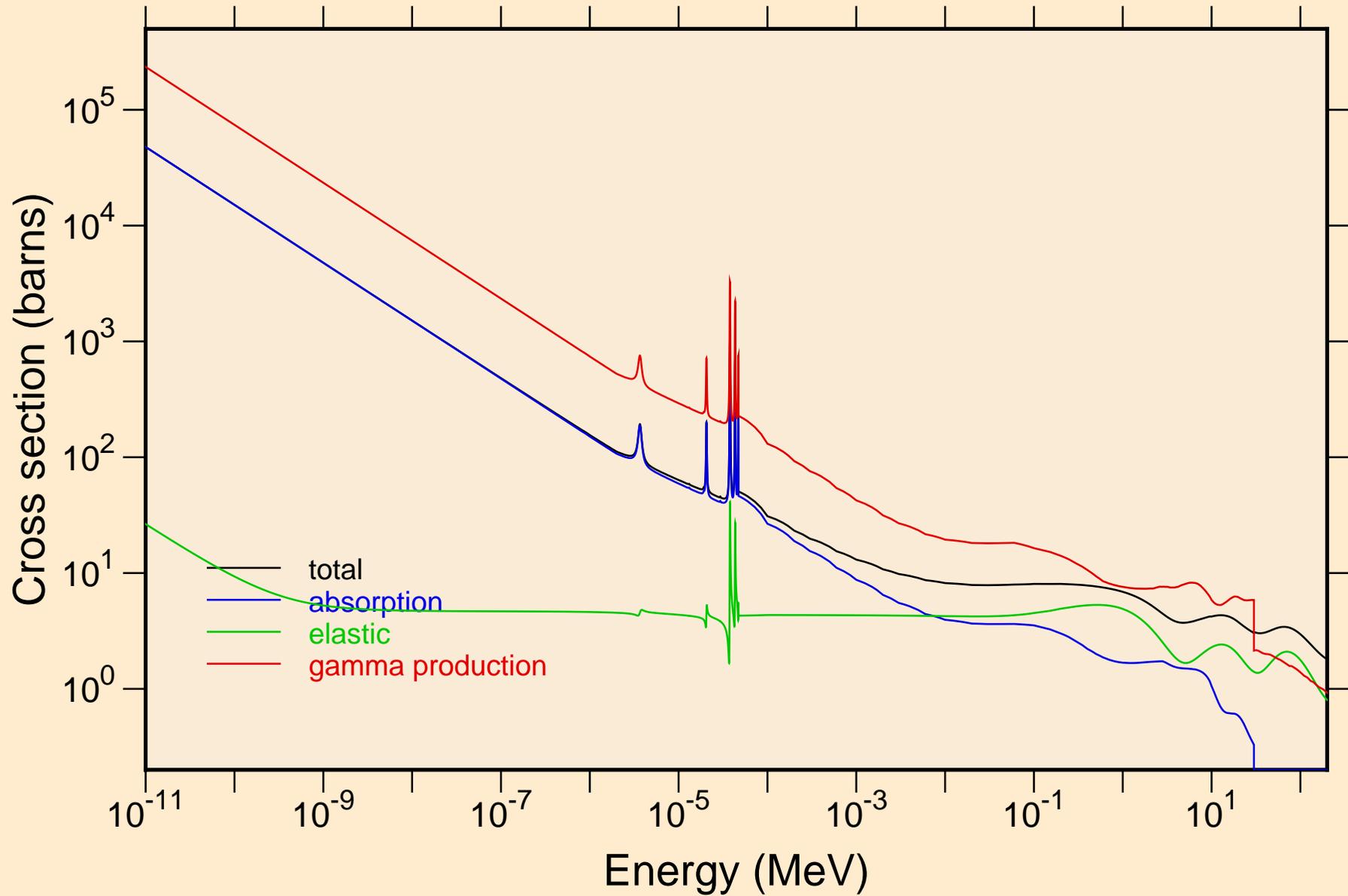
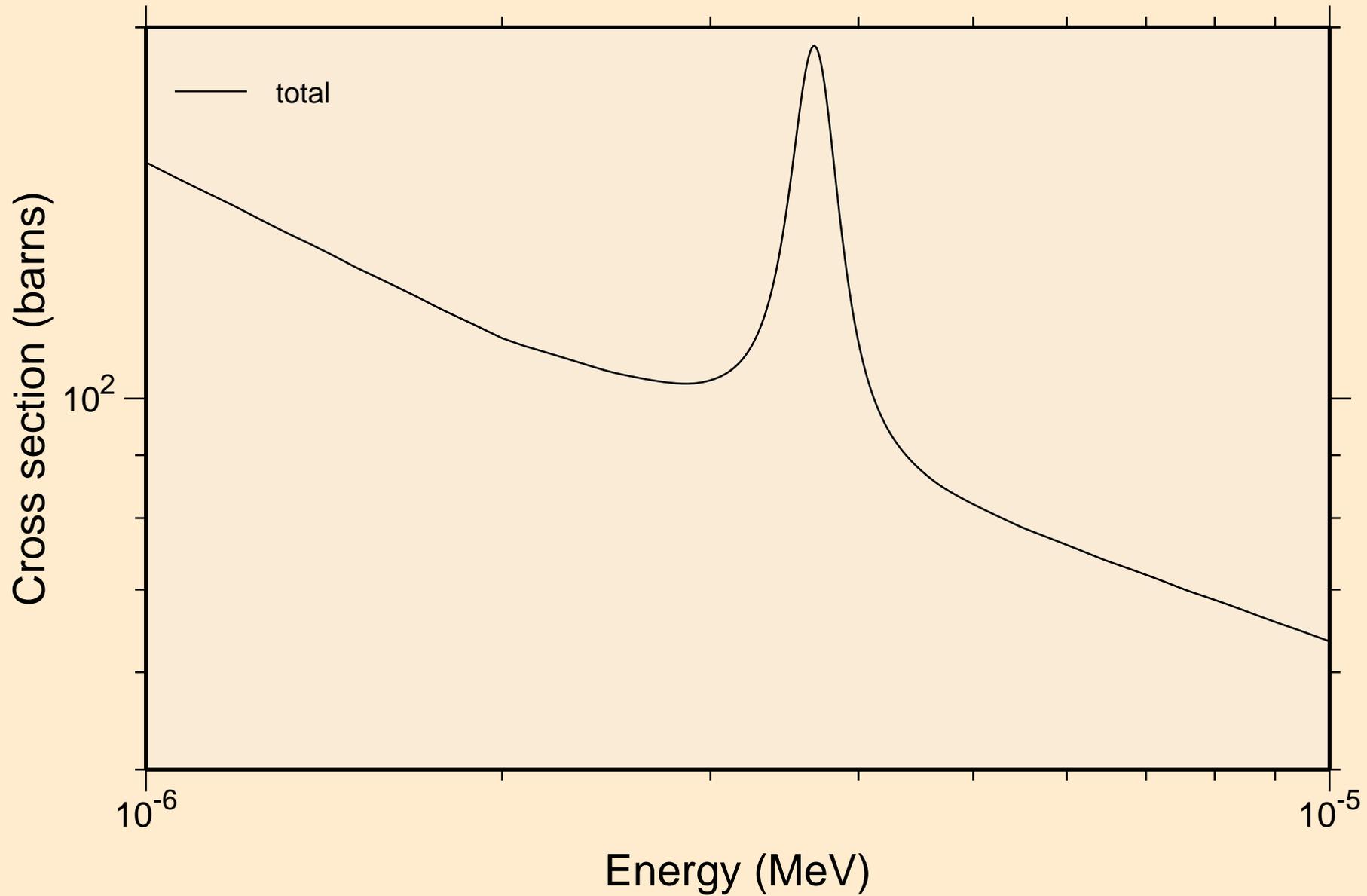


# IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

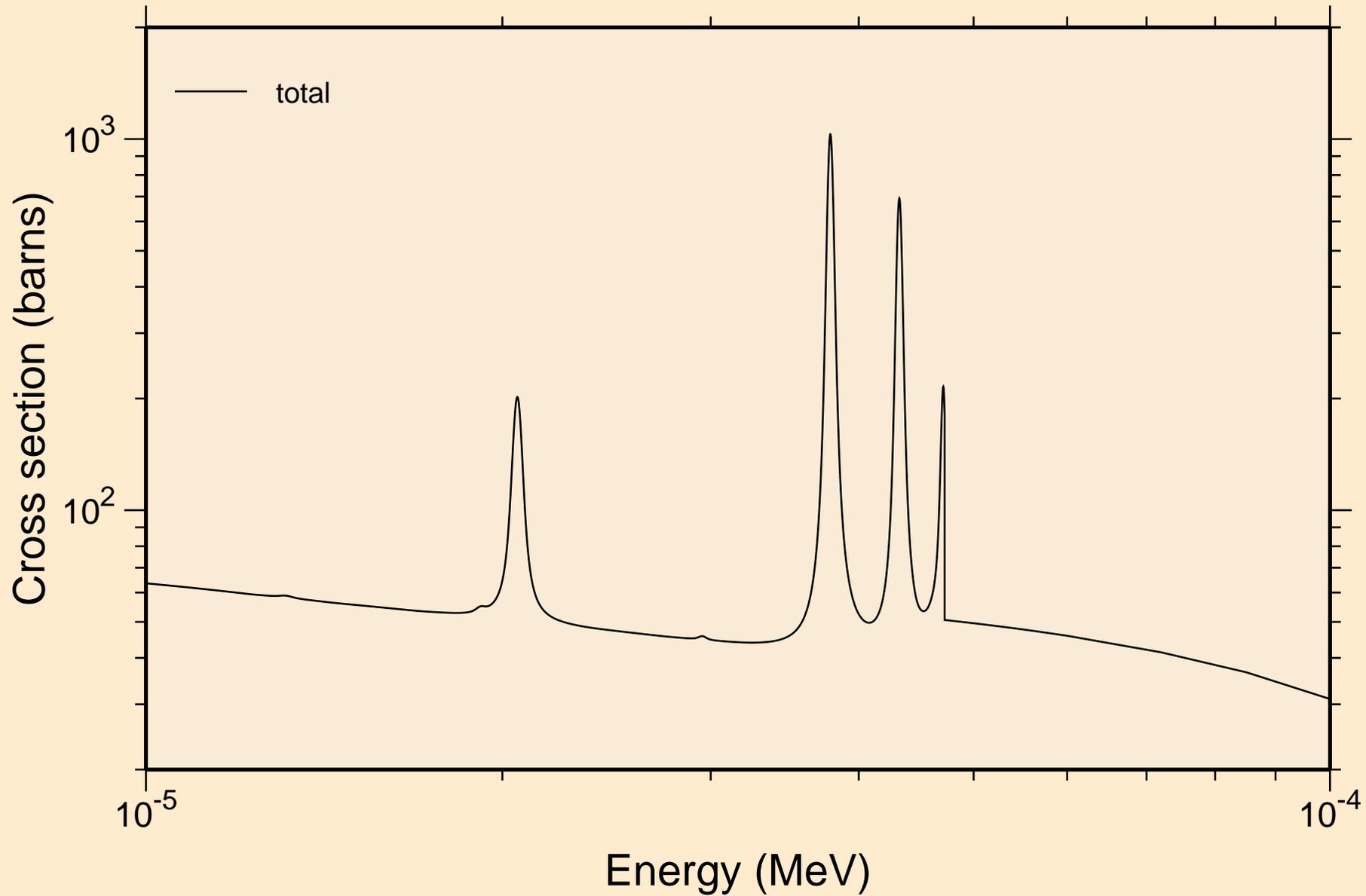
## Principal cross sections



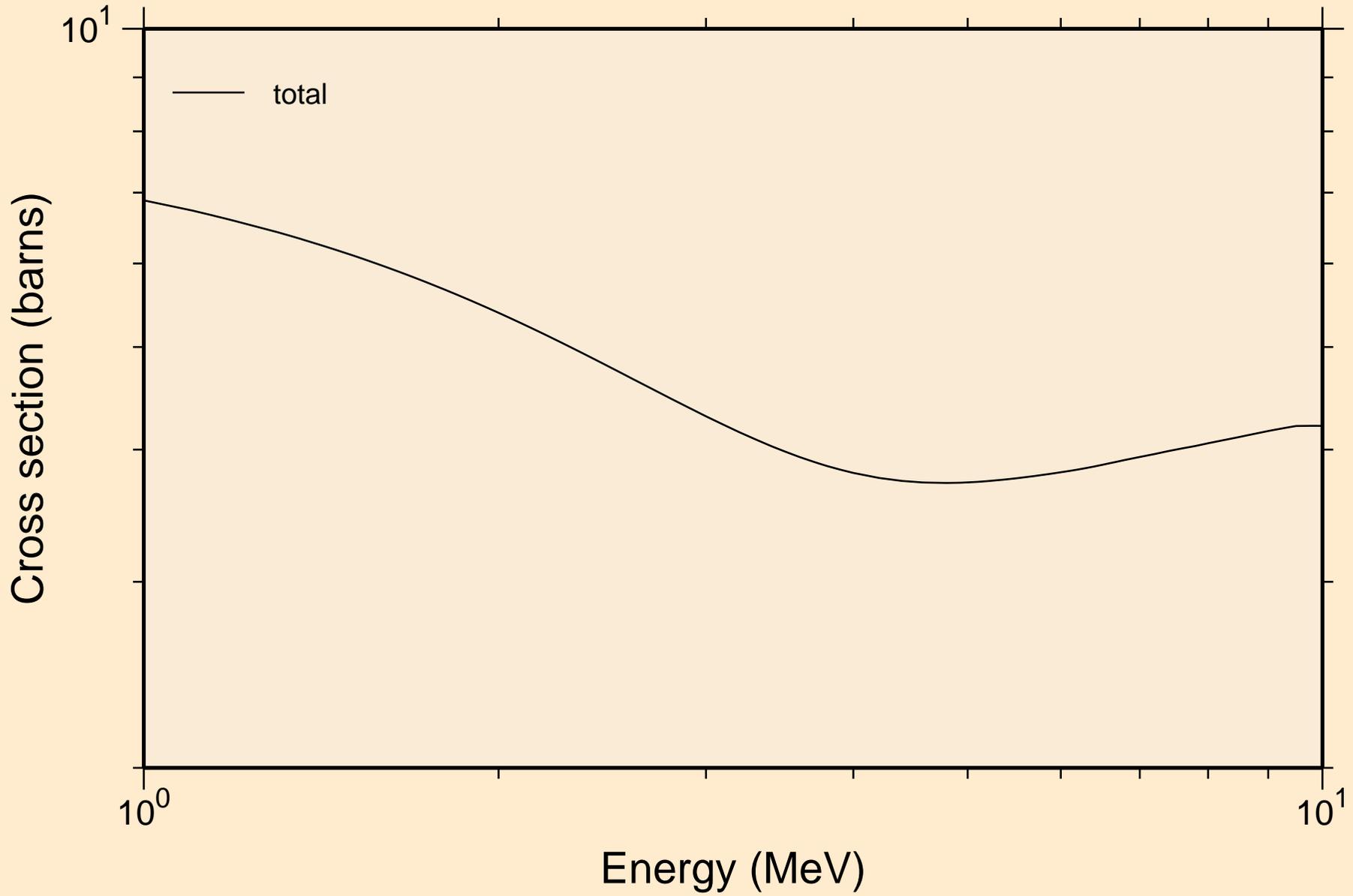
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



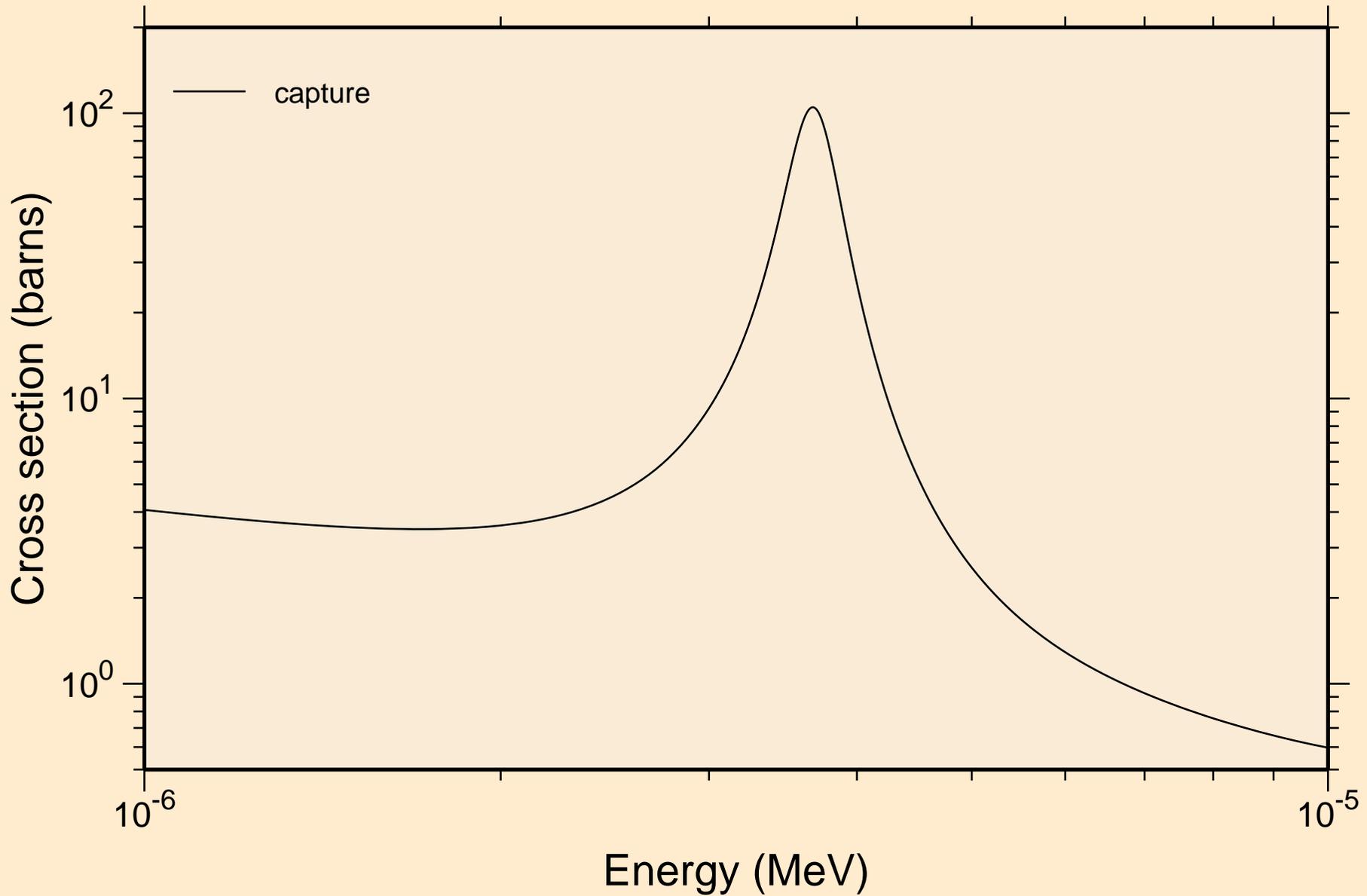
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



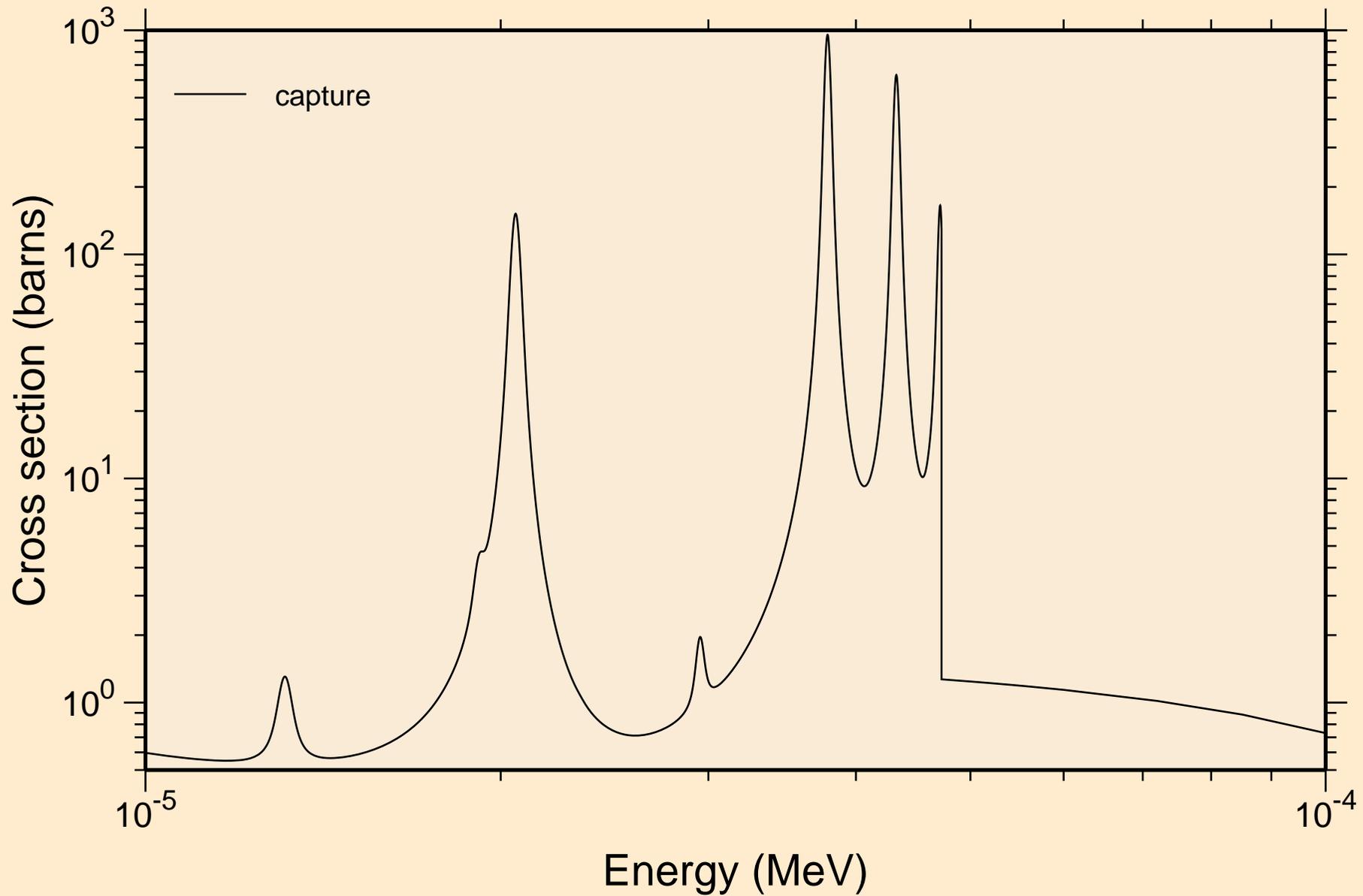
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance total cross section



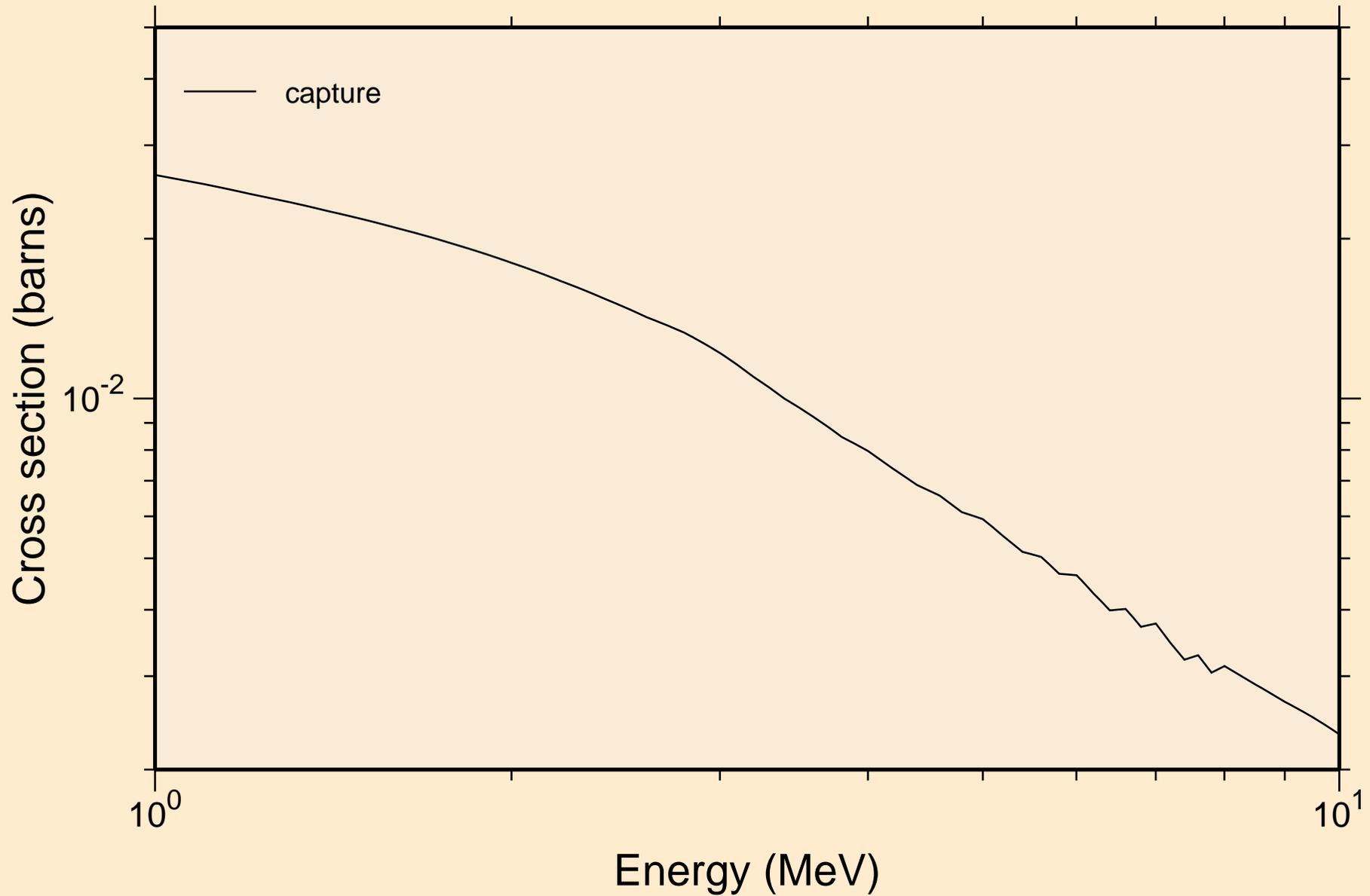
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections

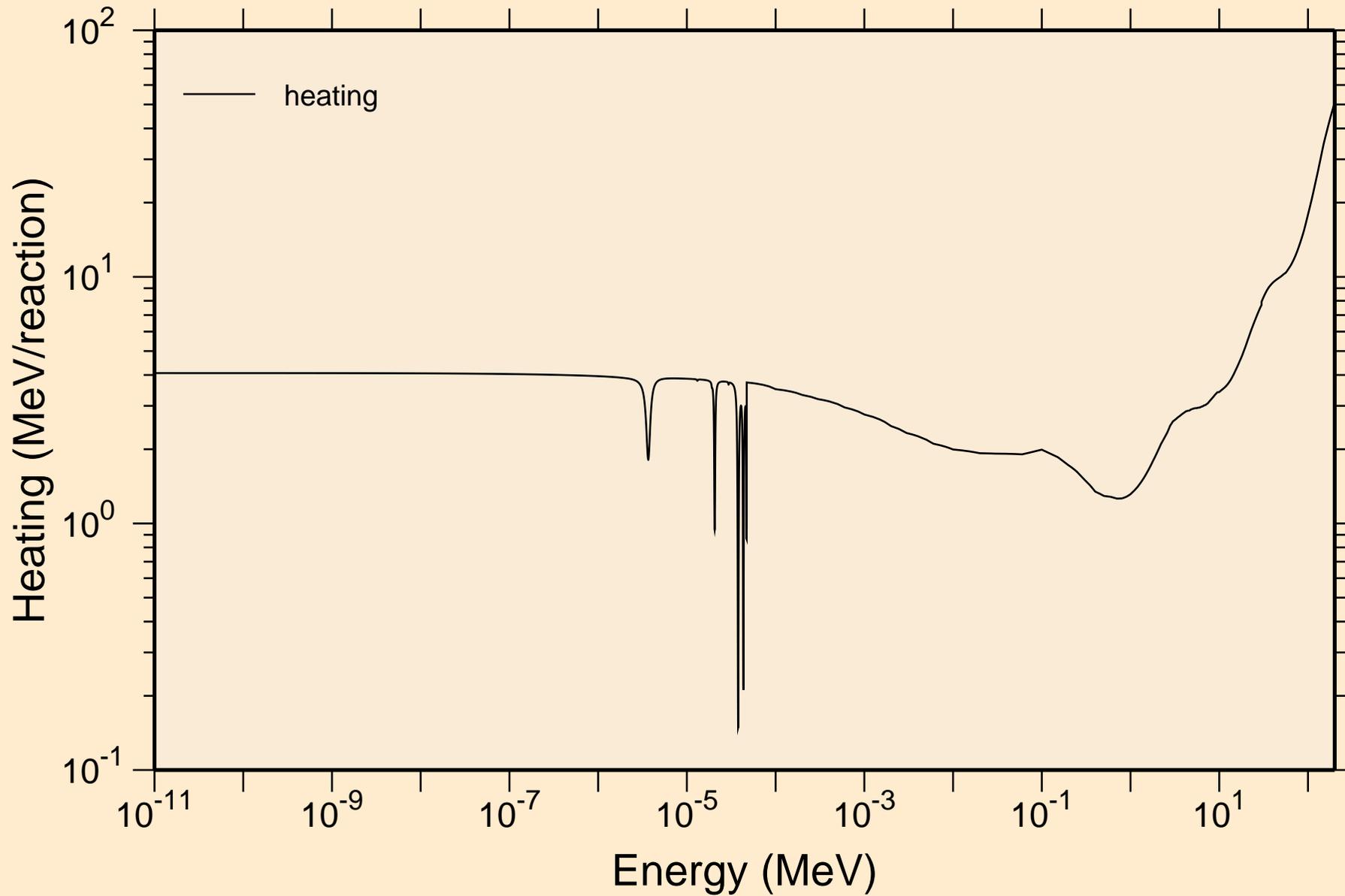


IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
resonance absorption cross sections



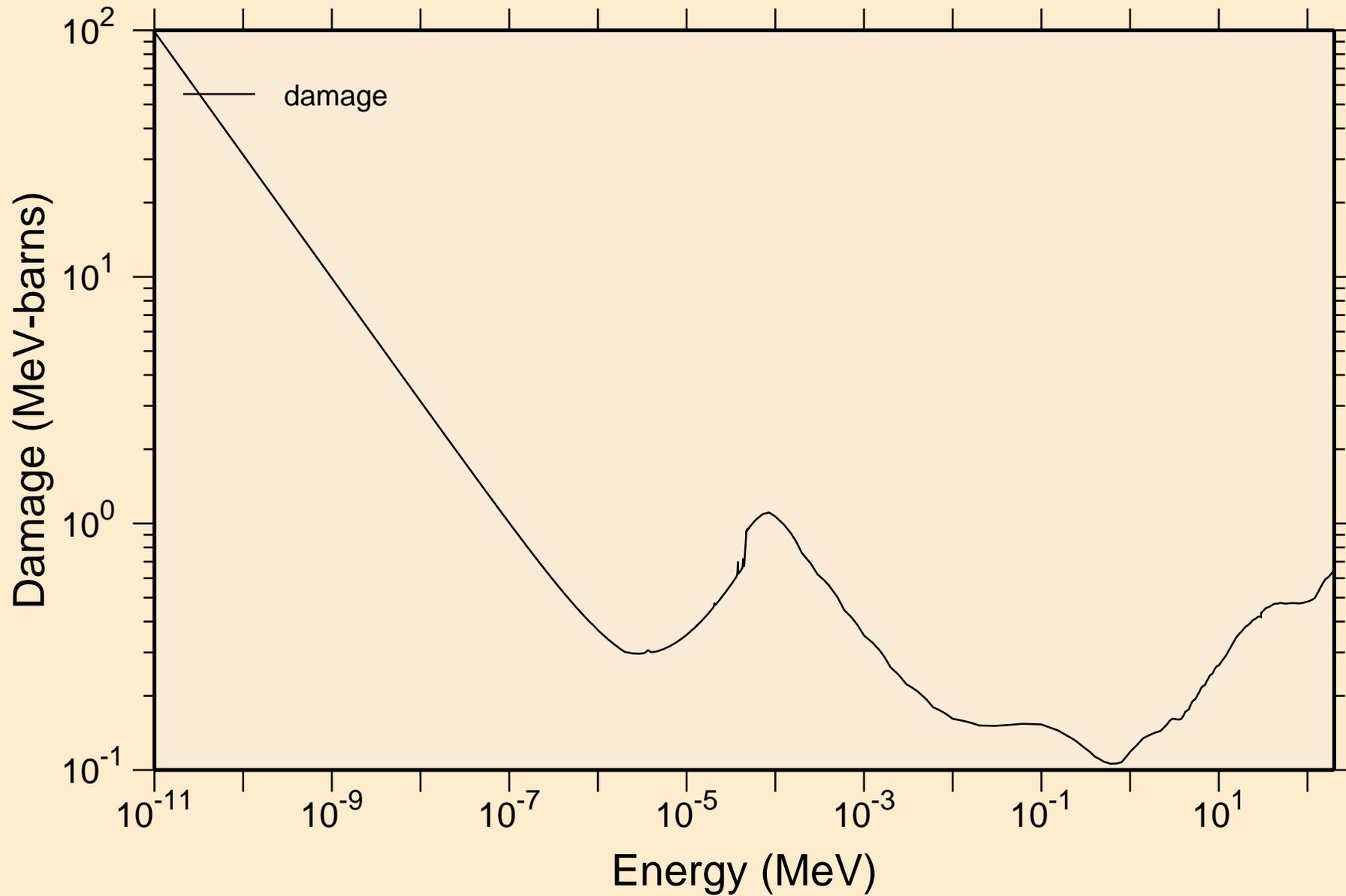
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## Heating

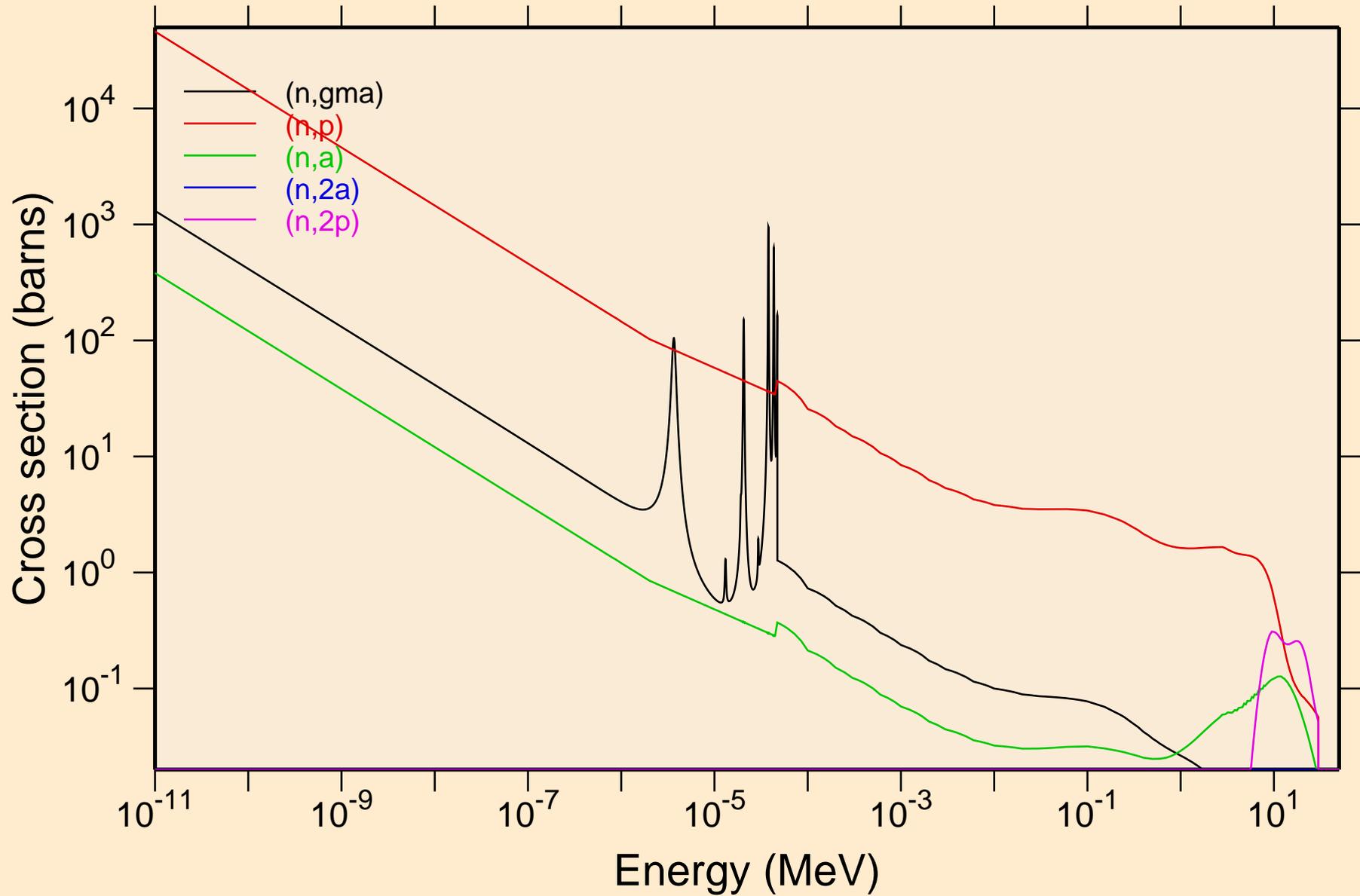


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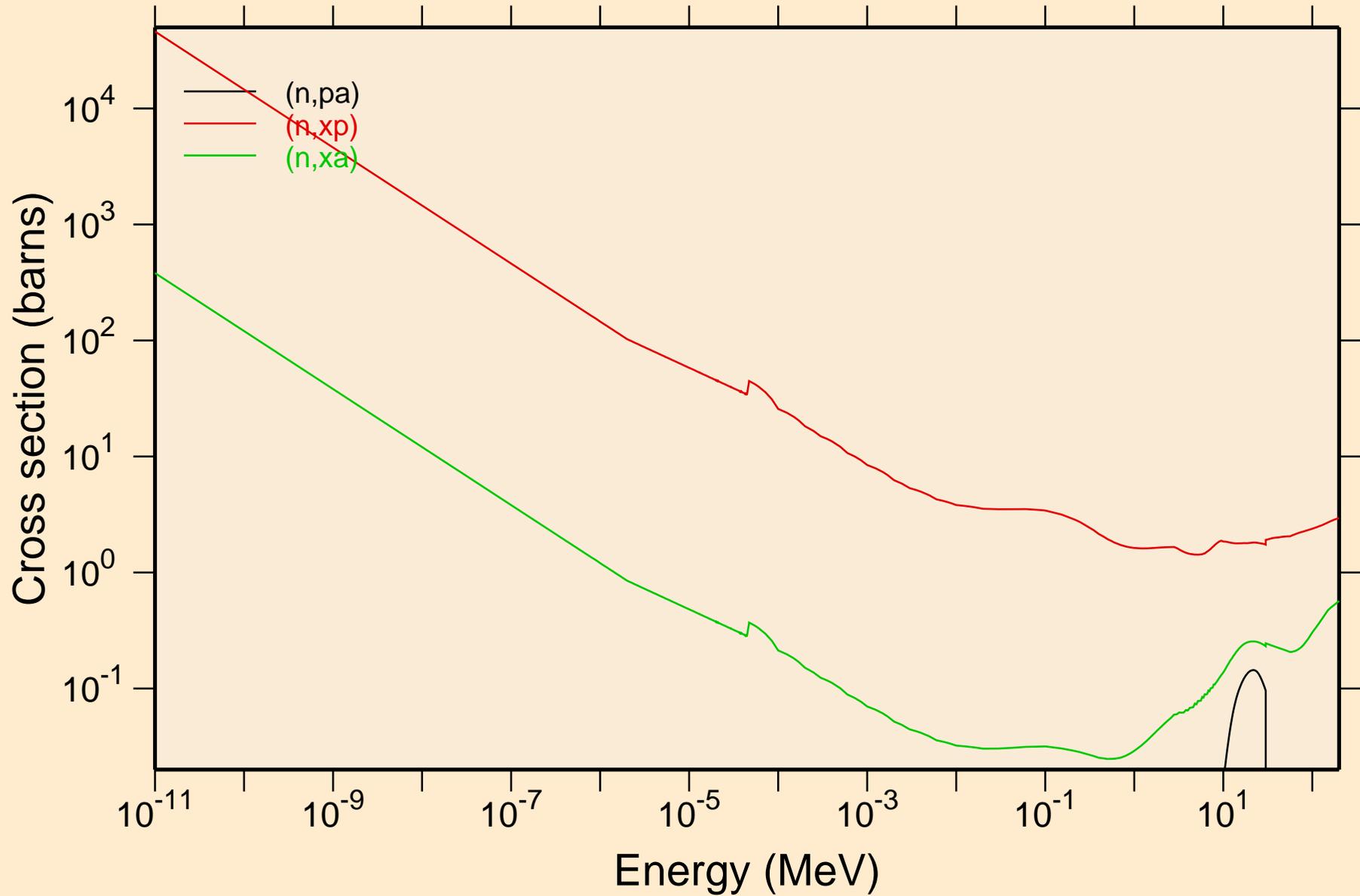
## Damage



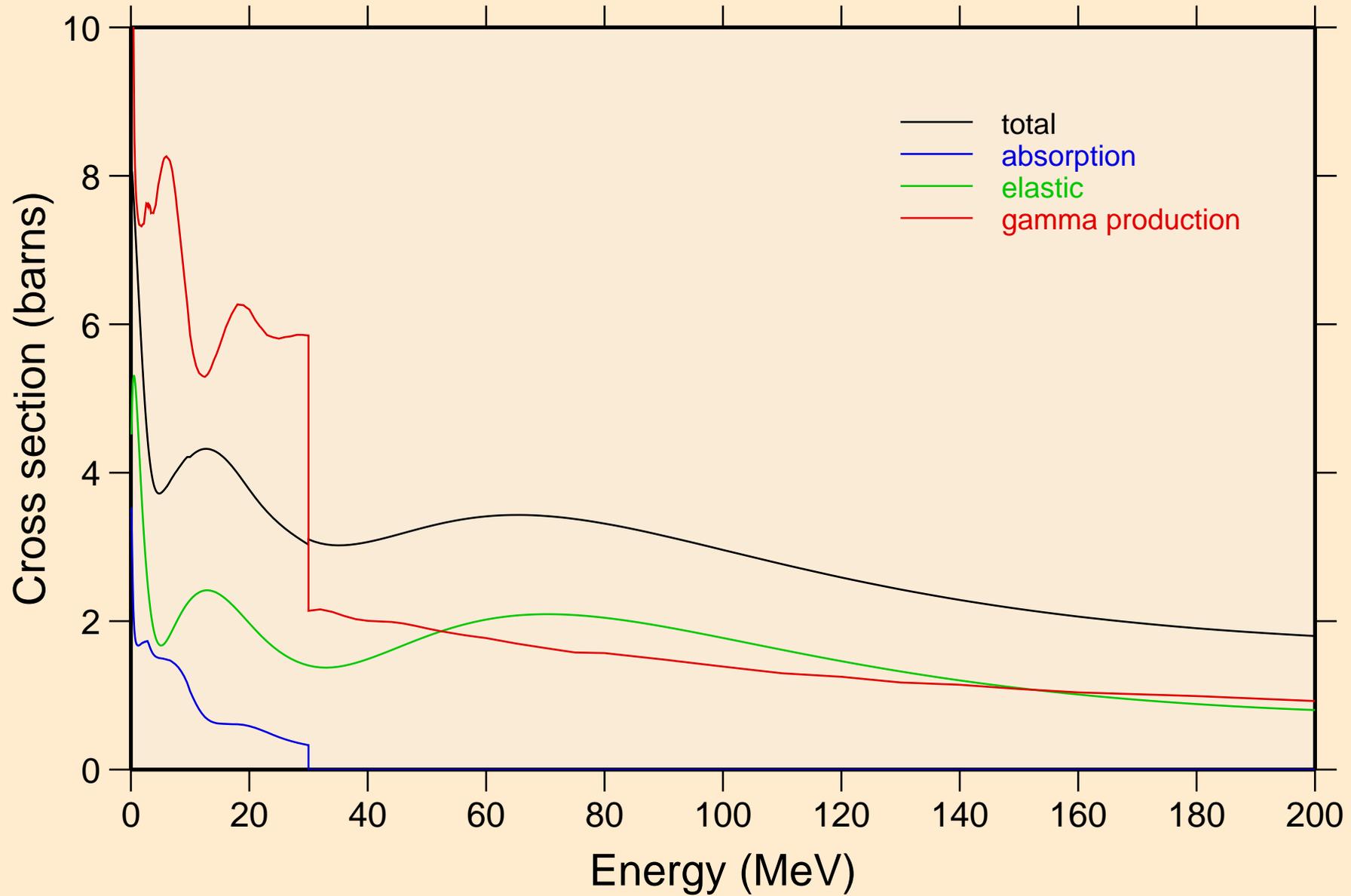
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

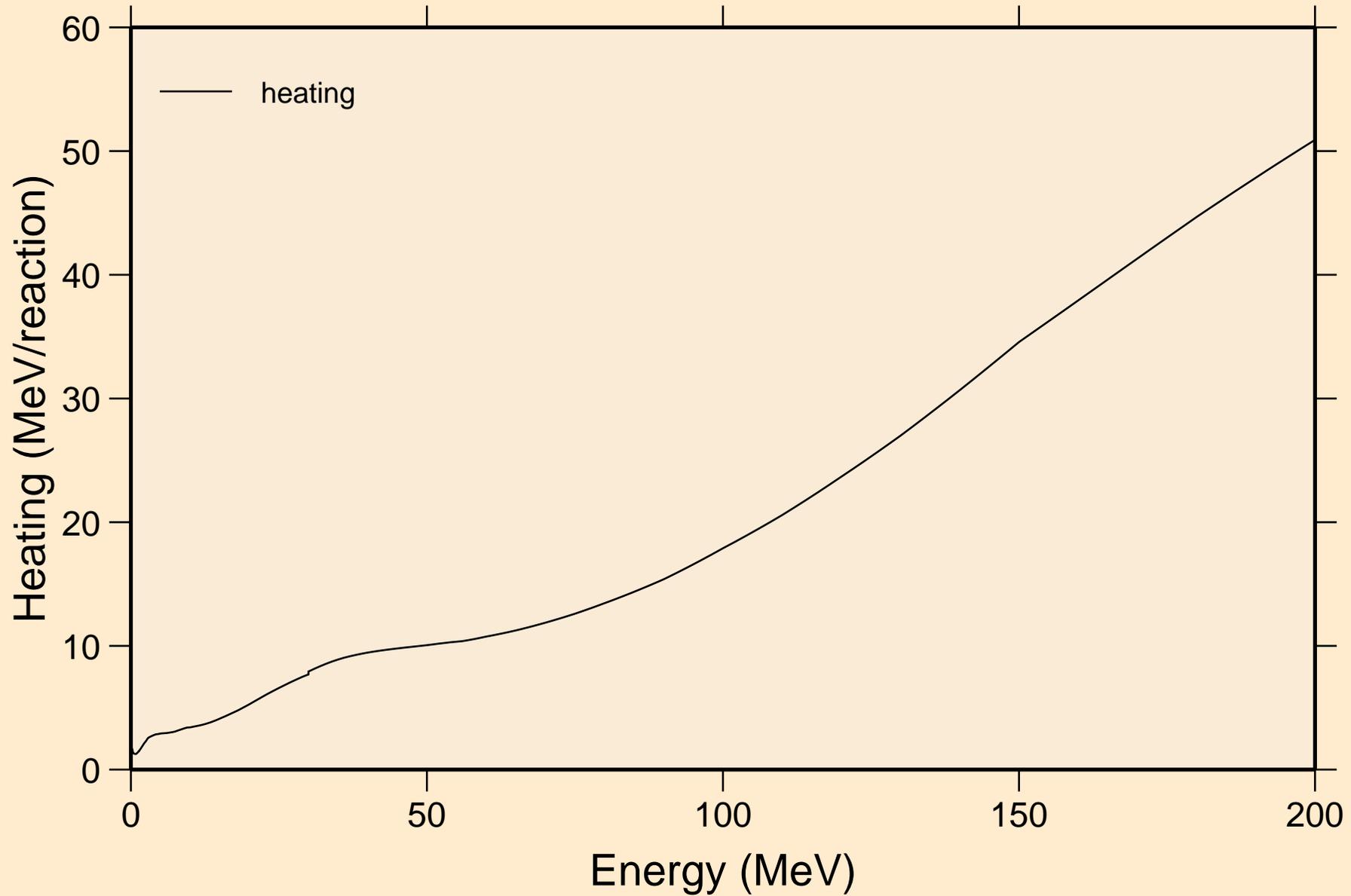


IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Principal cross sections



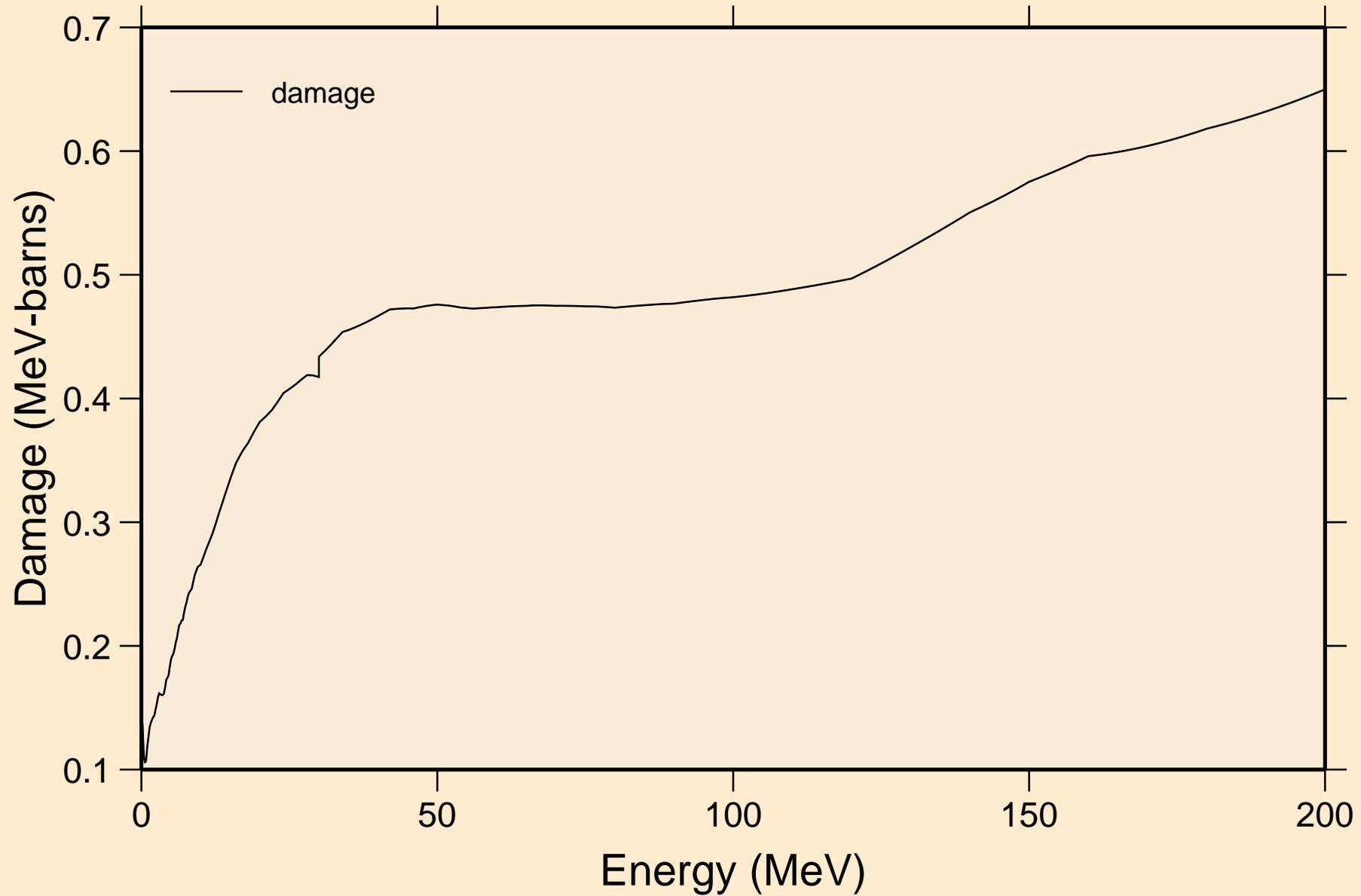
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

Heating

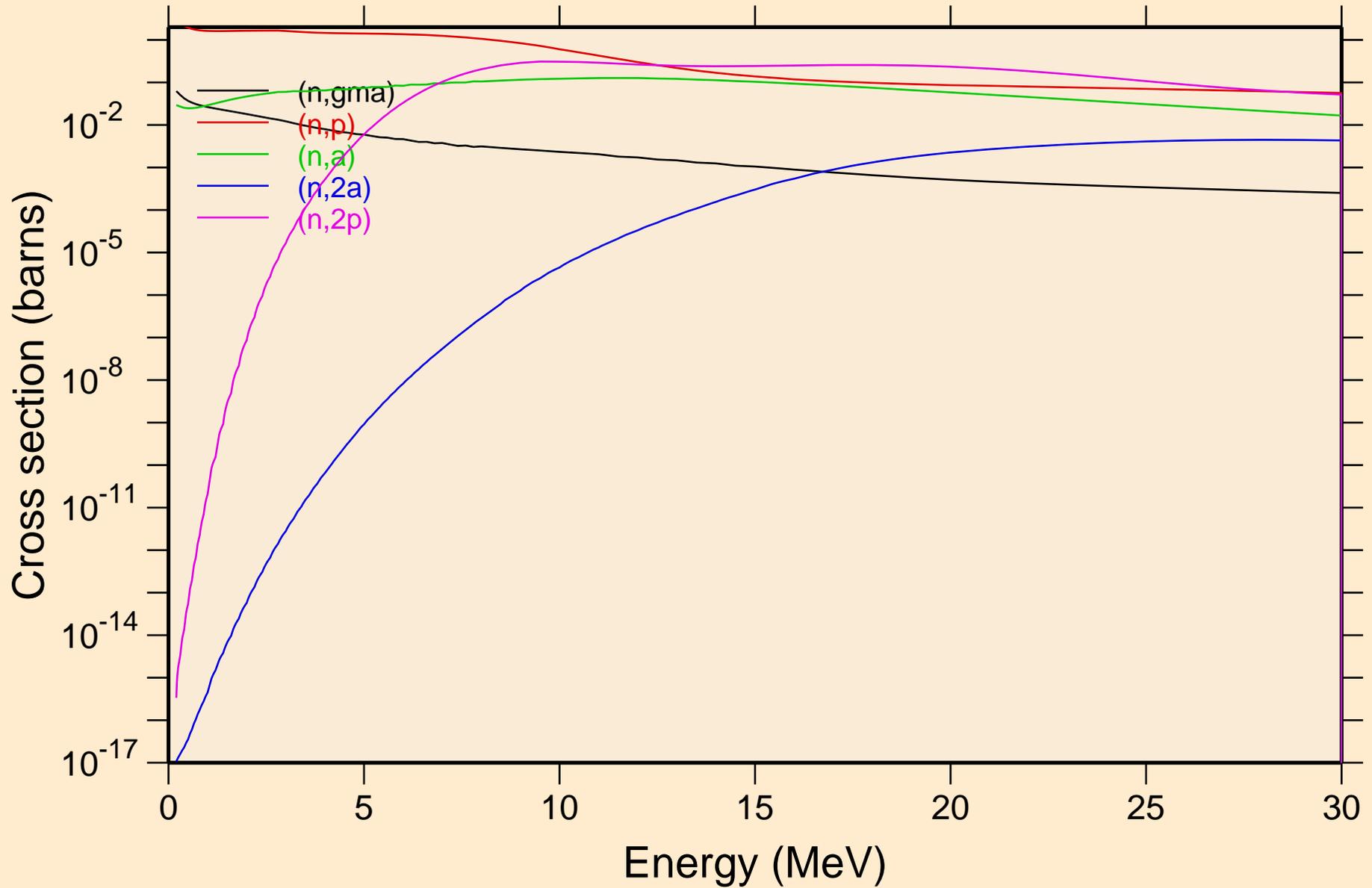


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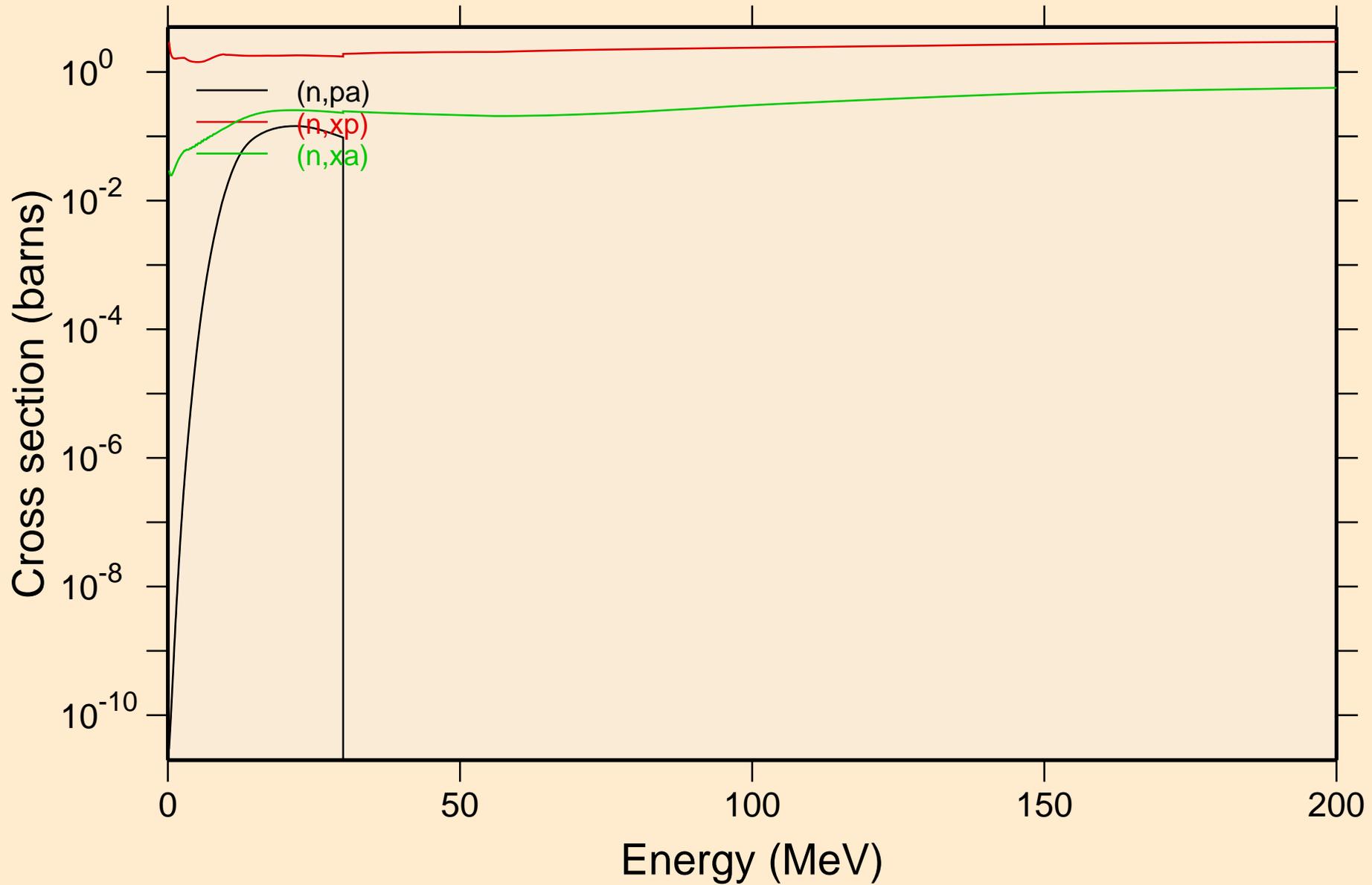
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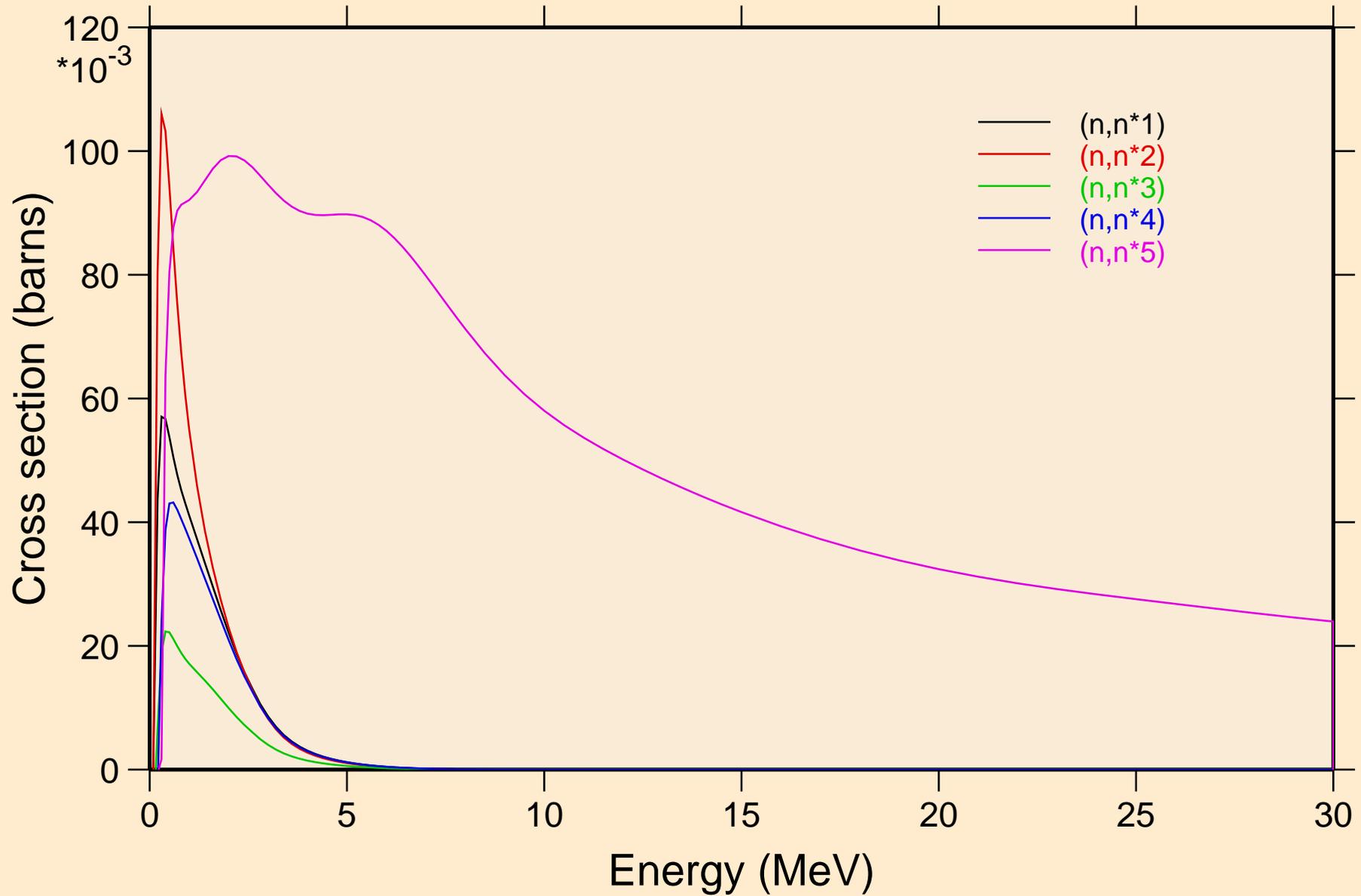
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Non-threshold reactions

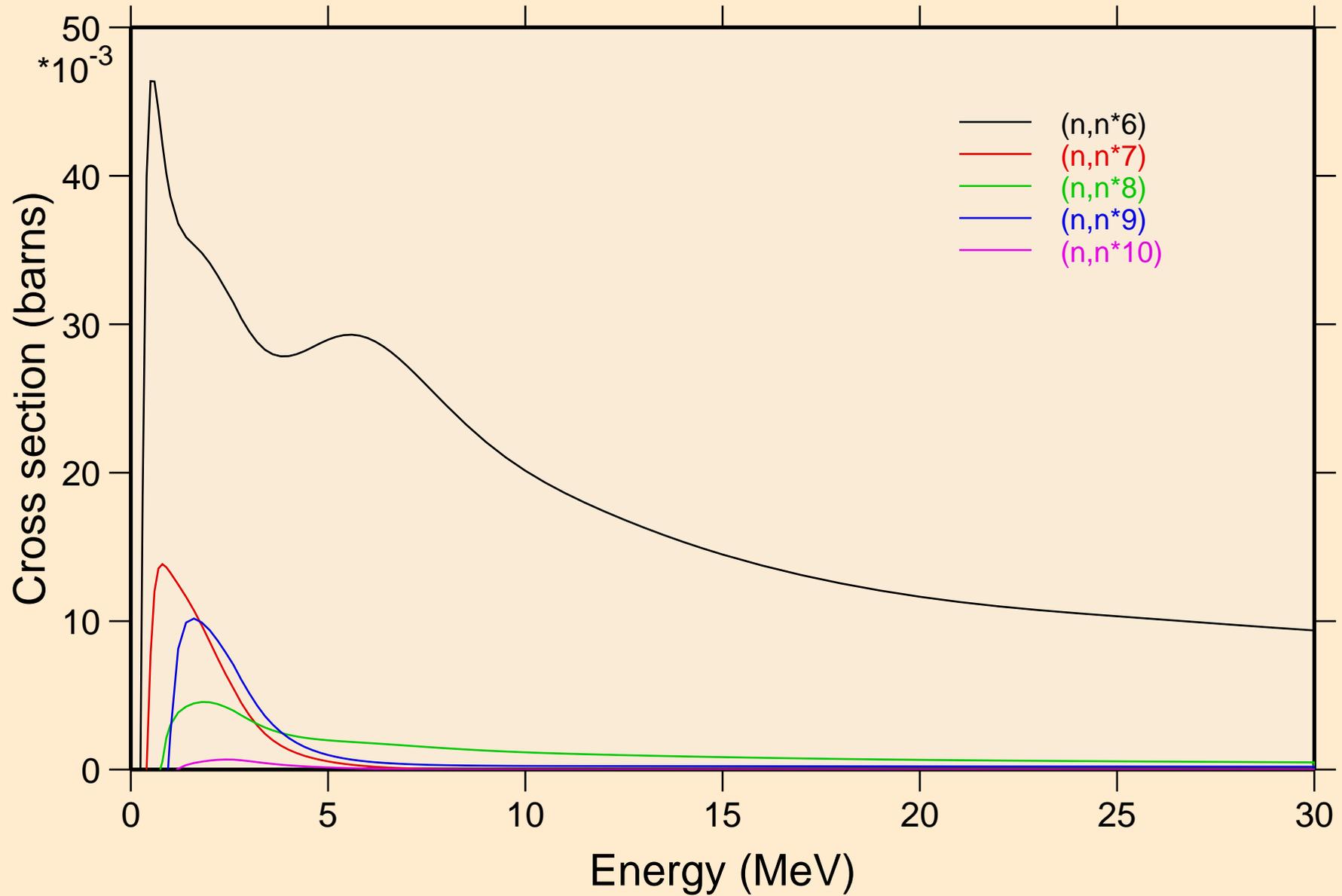


IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels

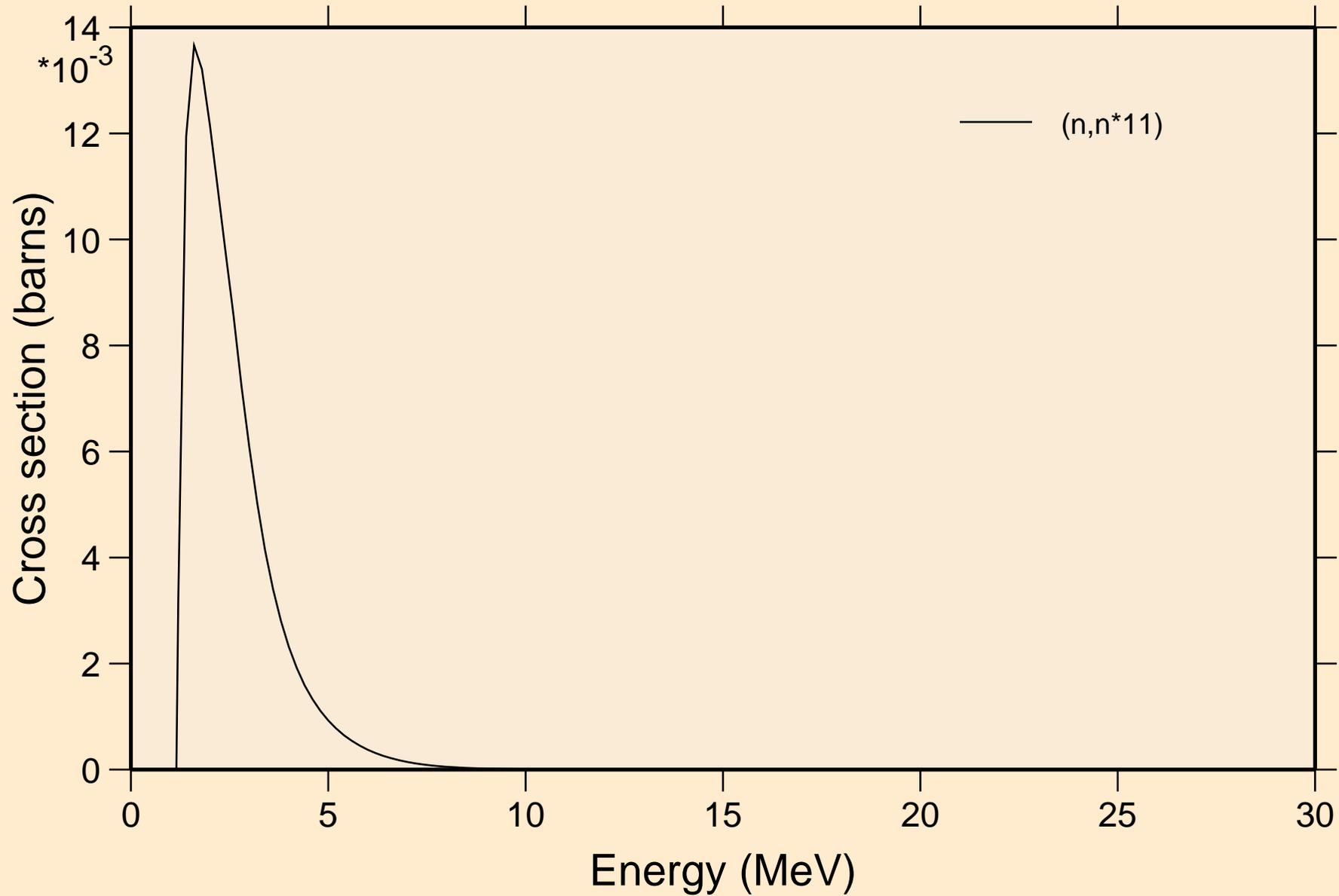


# IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K

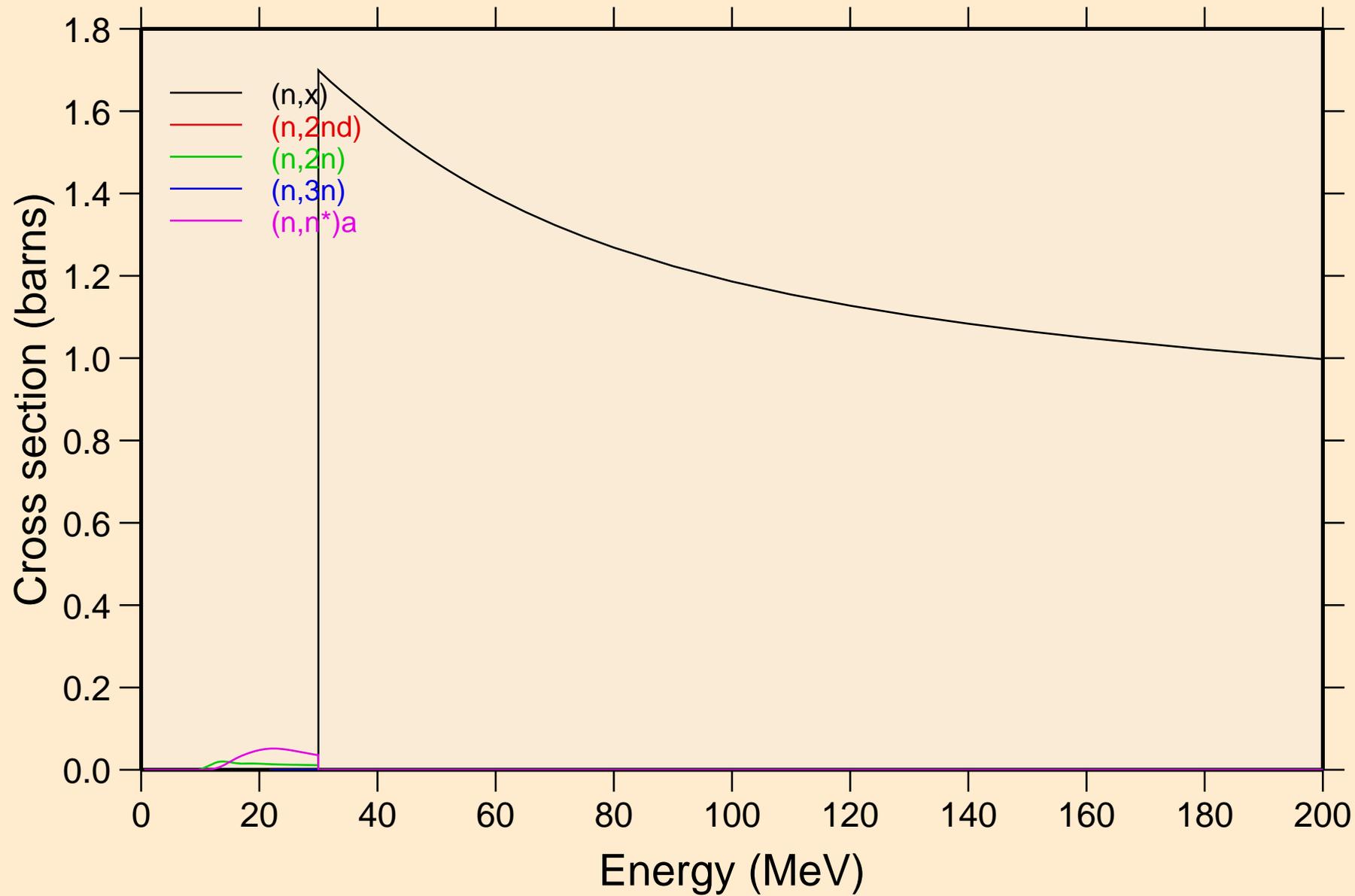
## Inelastic levels



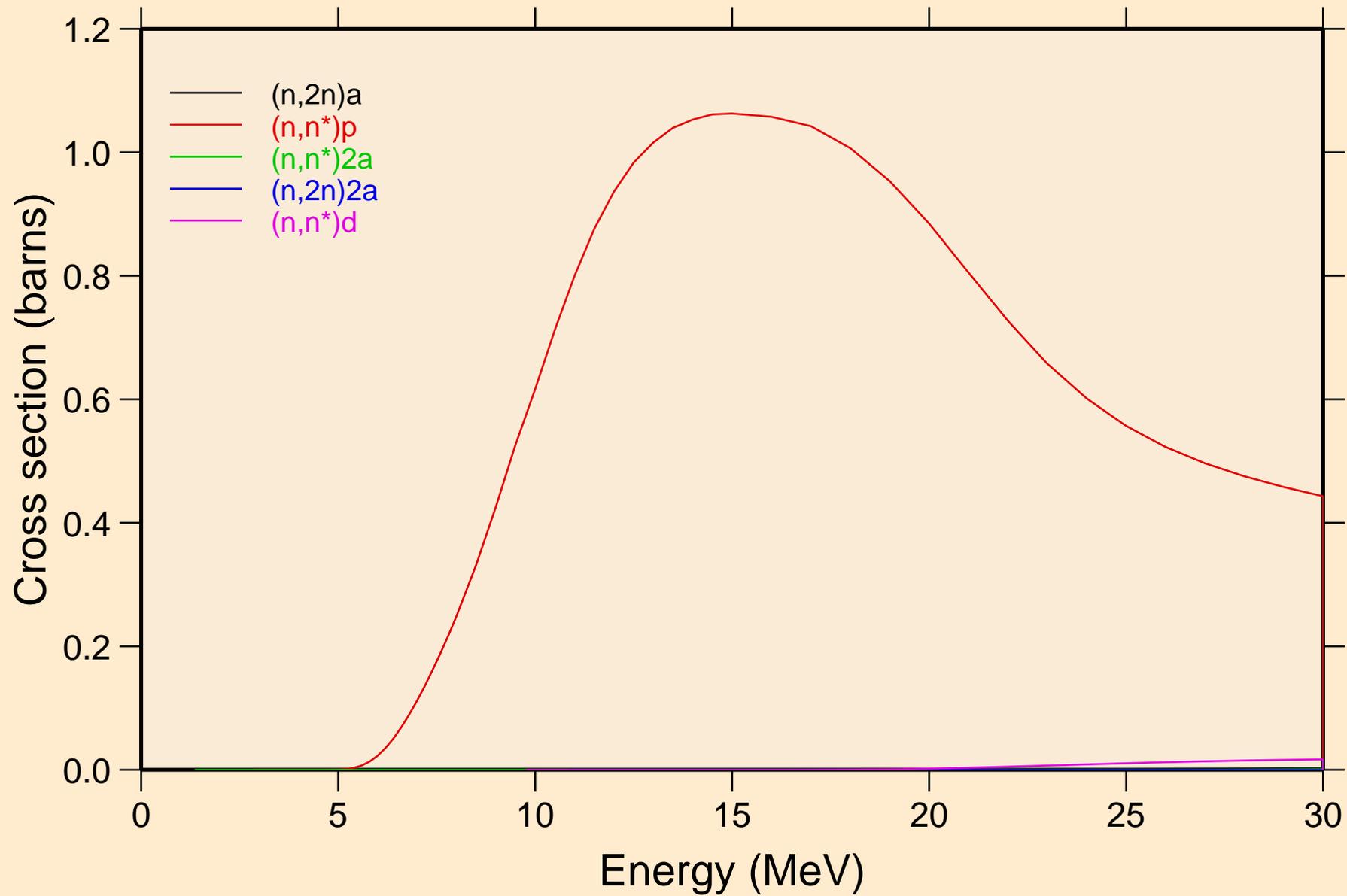
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Inelastic levels



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

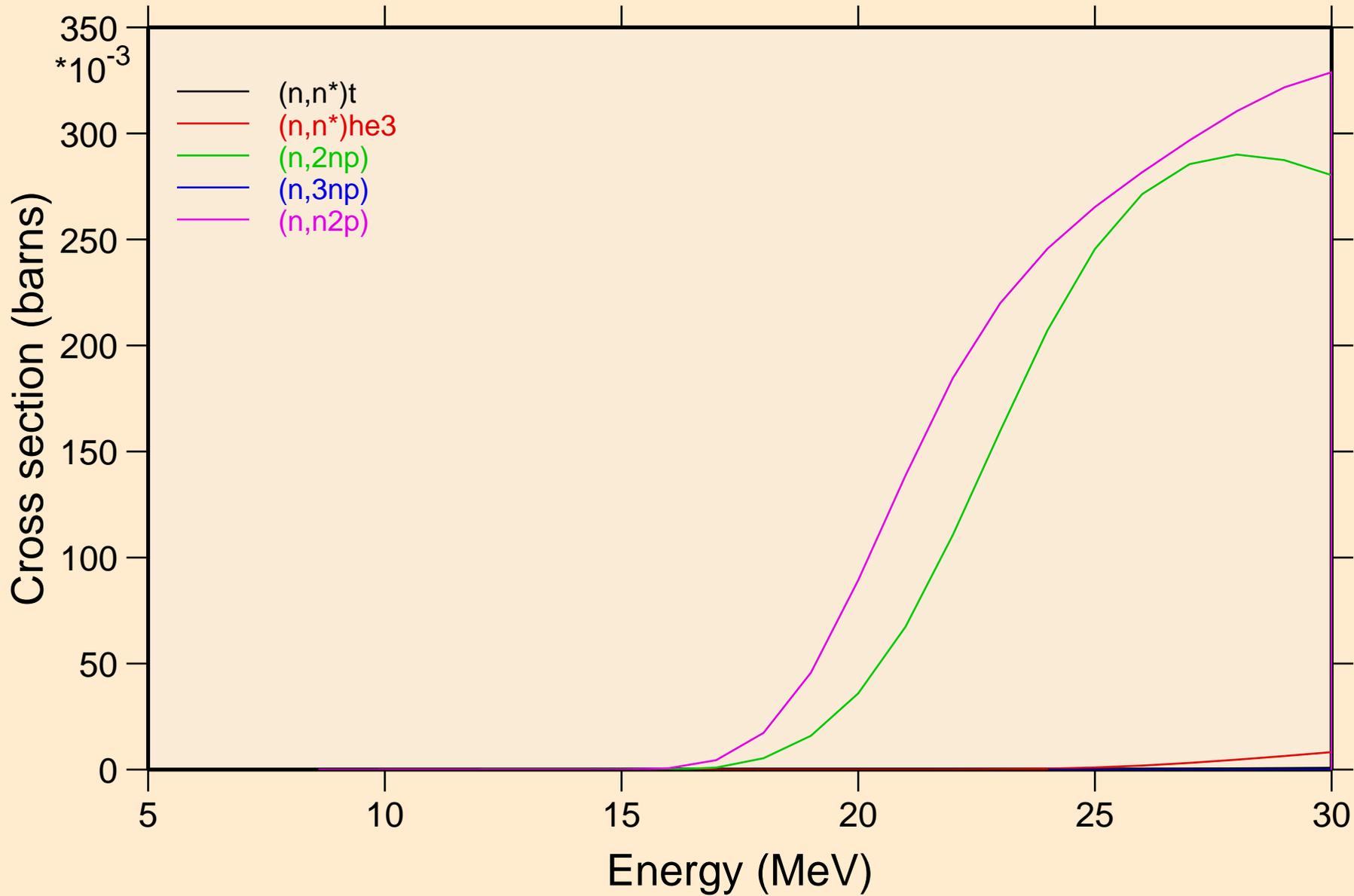


IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions



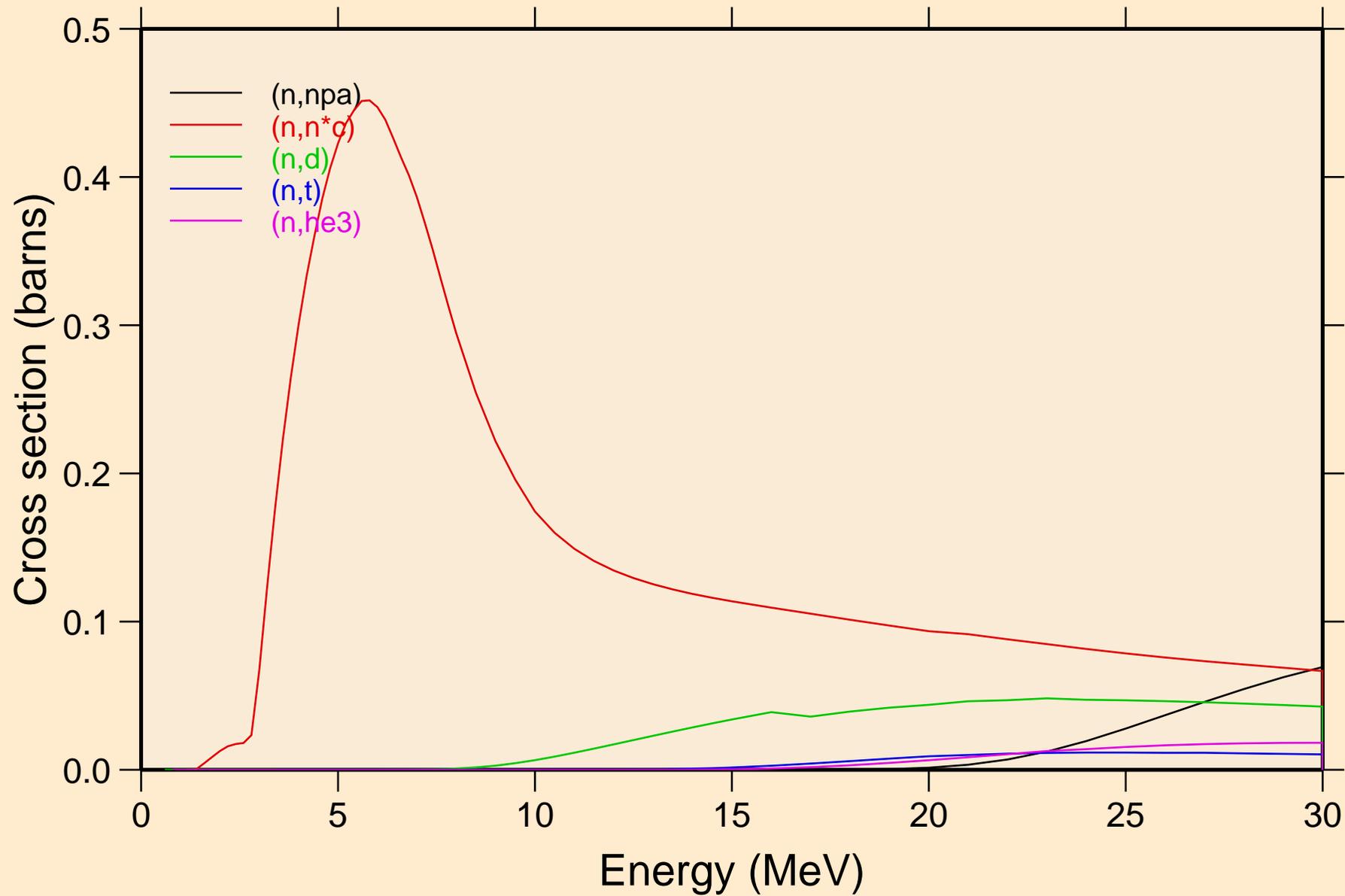
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## Threshold reactions

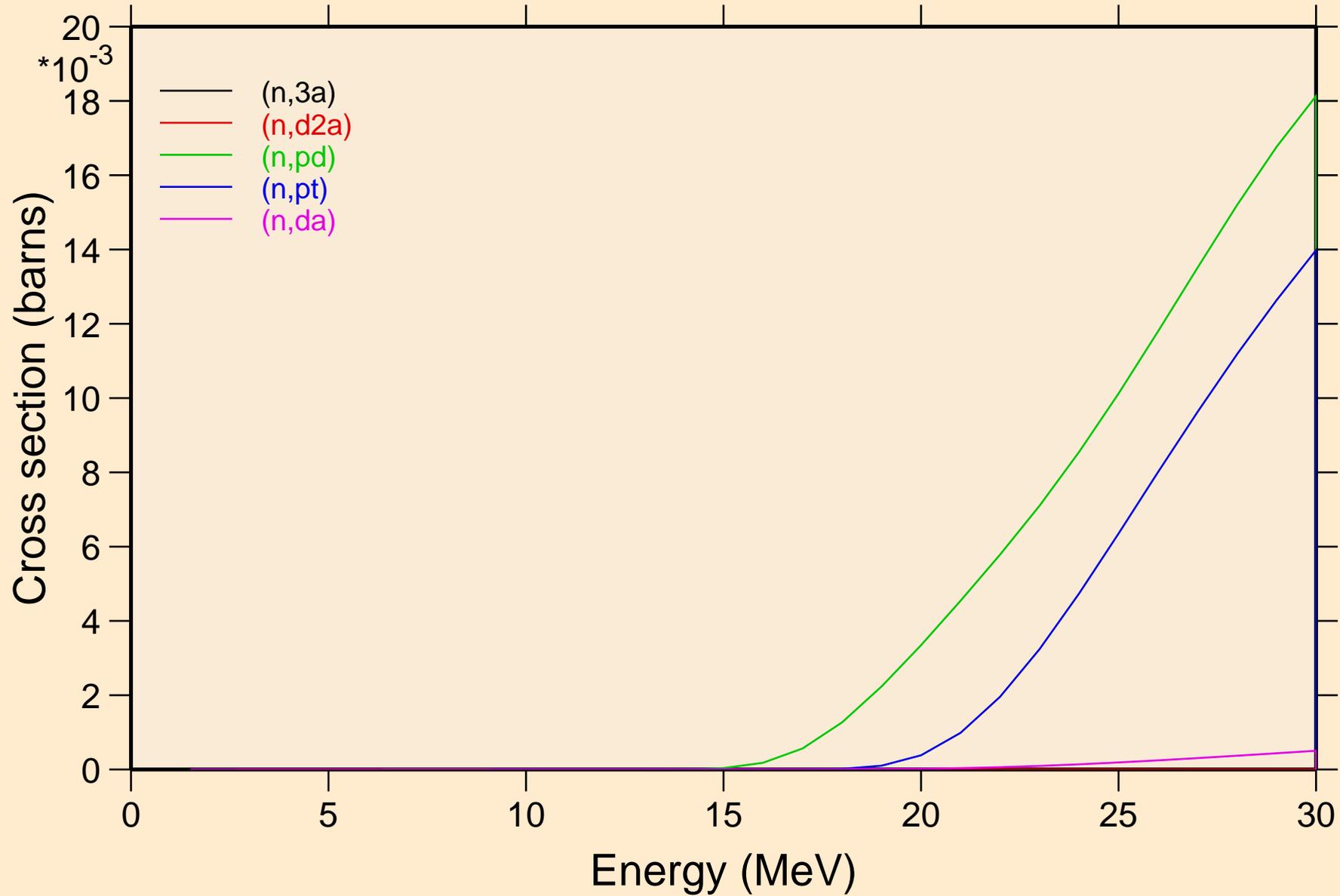


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## Threshold reactions

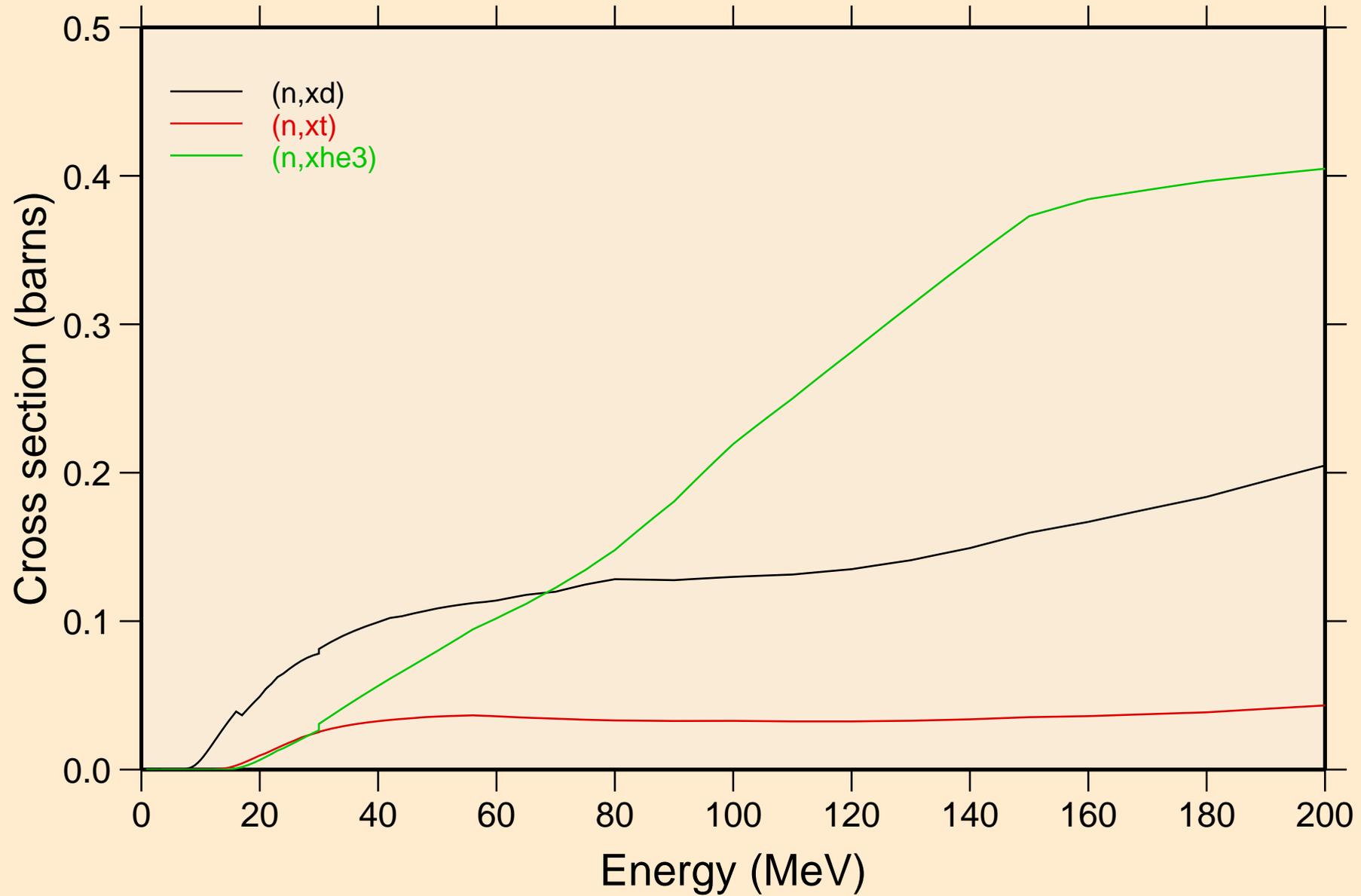


IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Threshold reactions

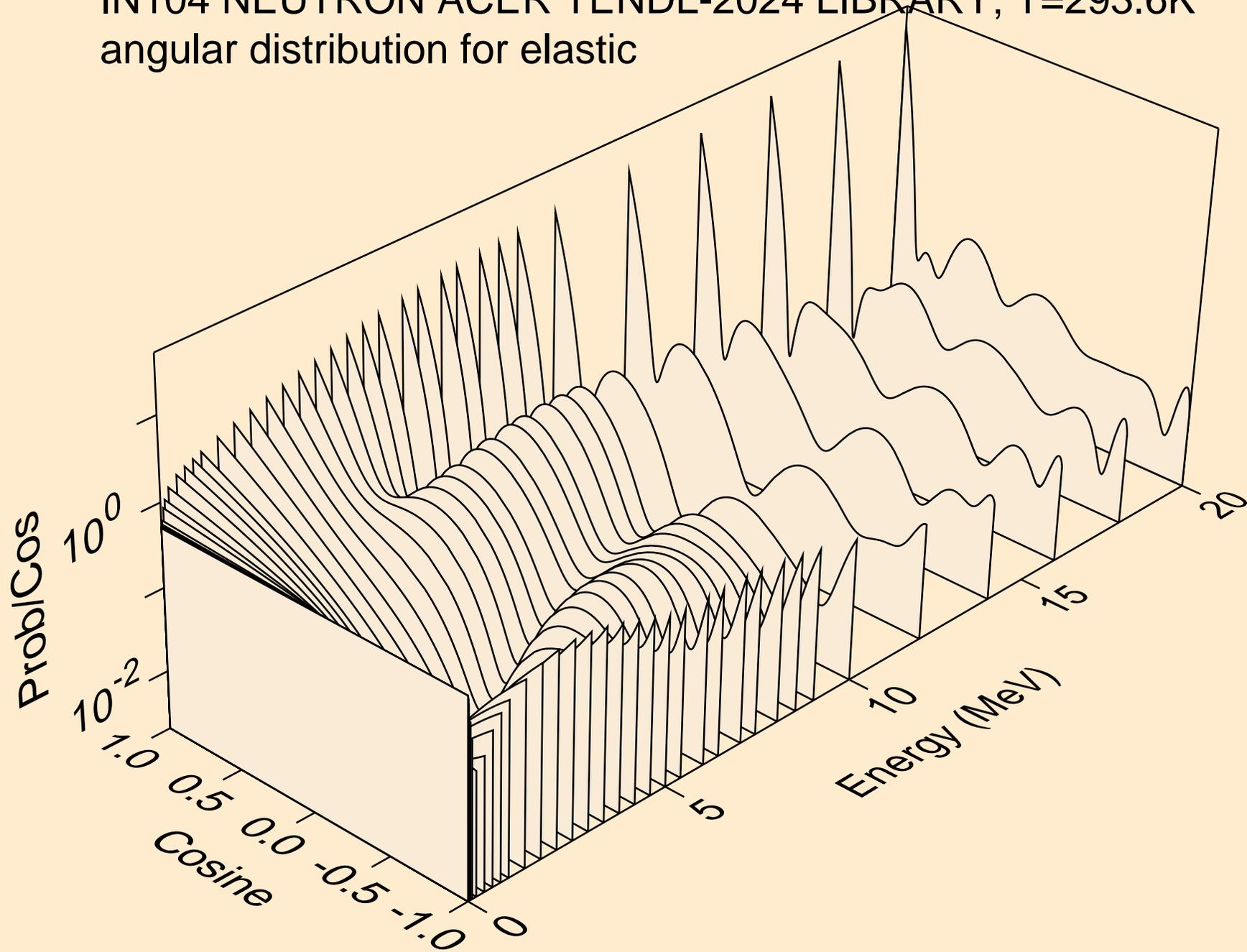


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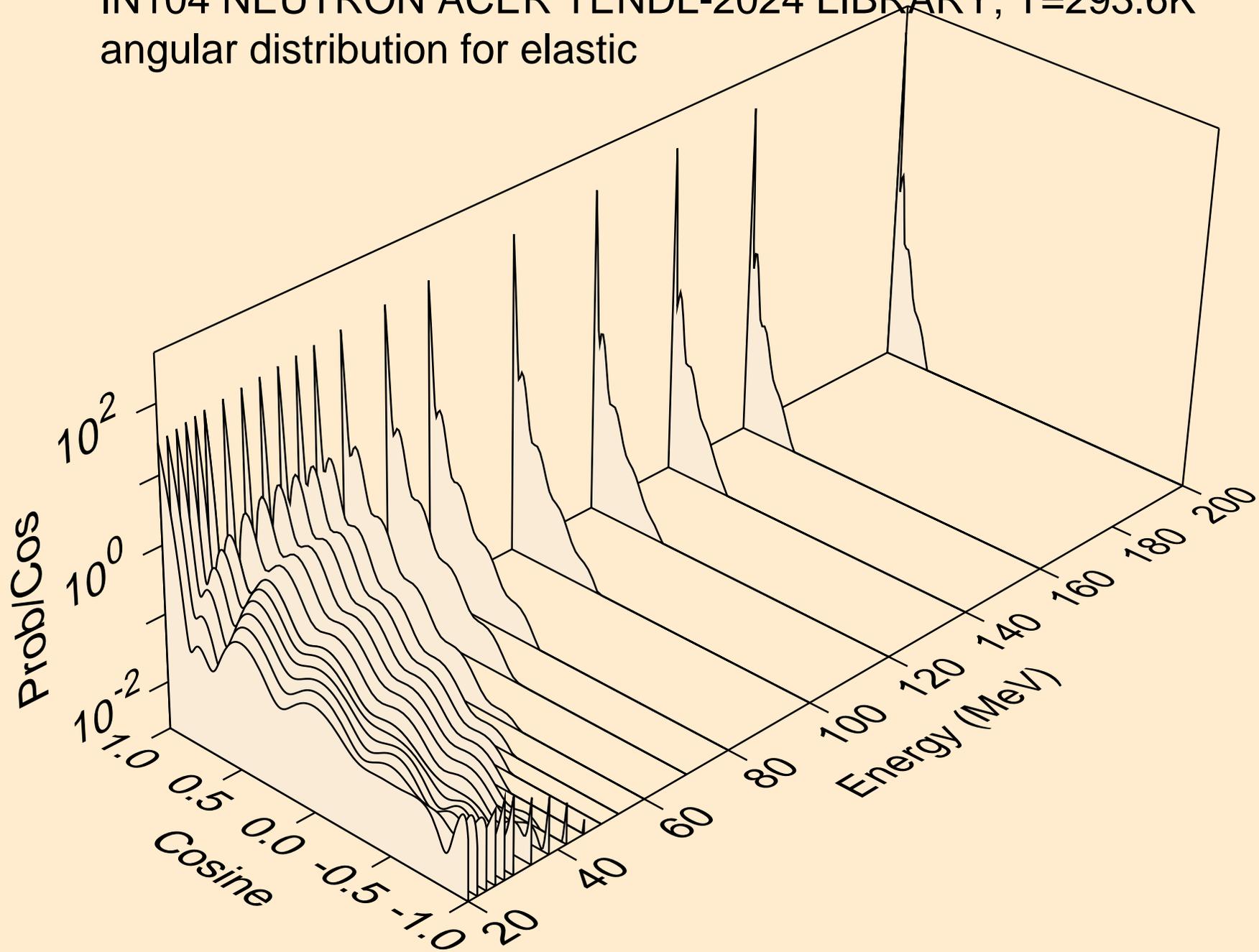
## Threshold reactions



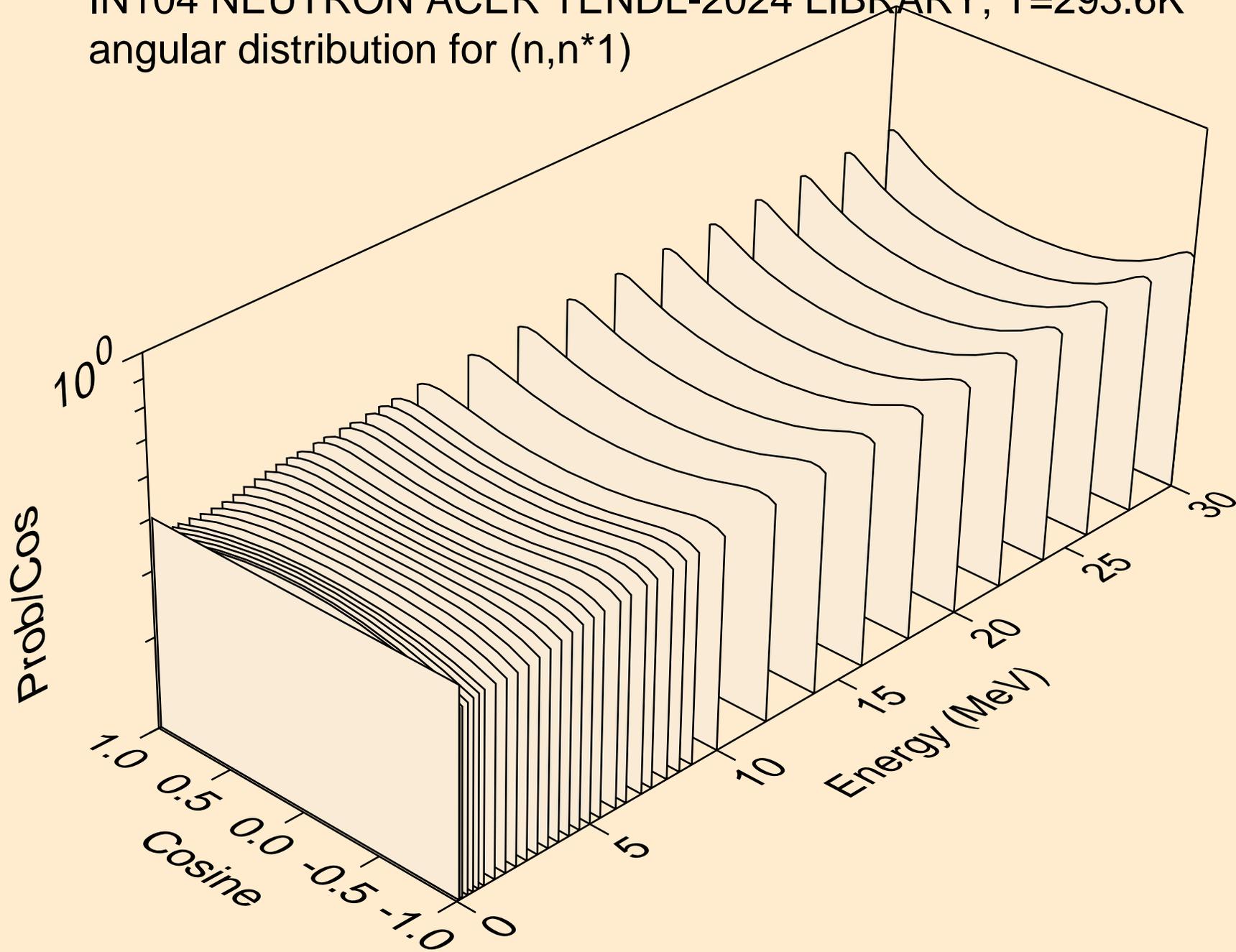
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



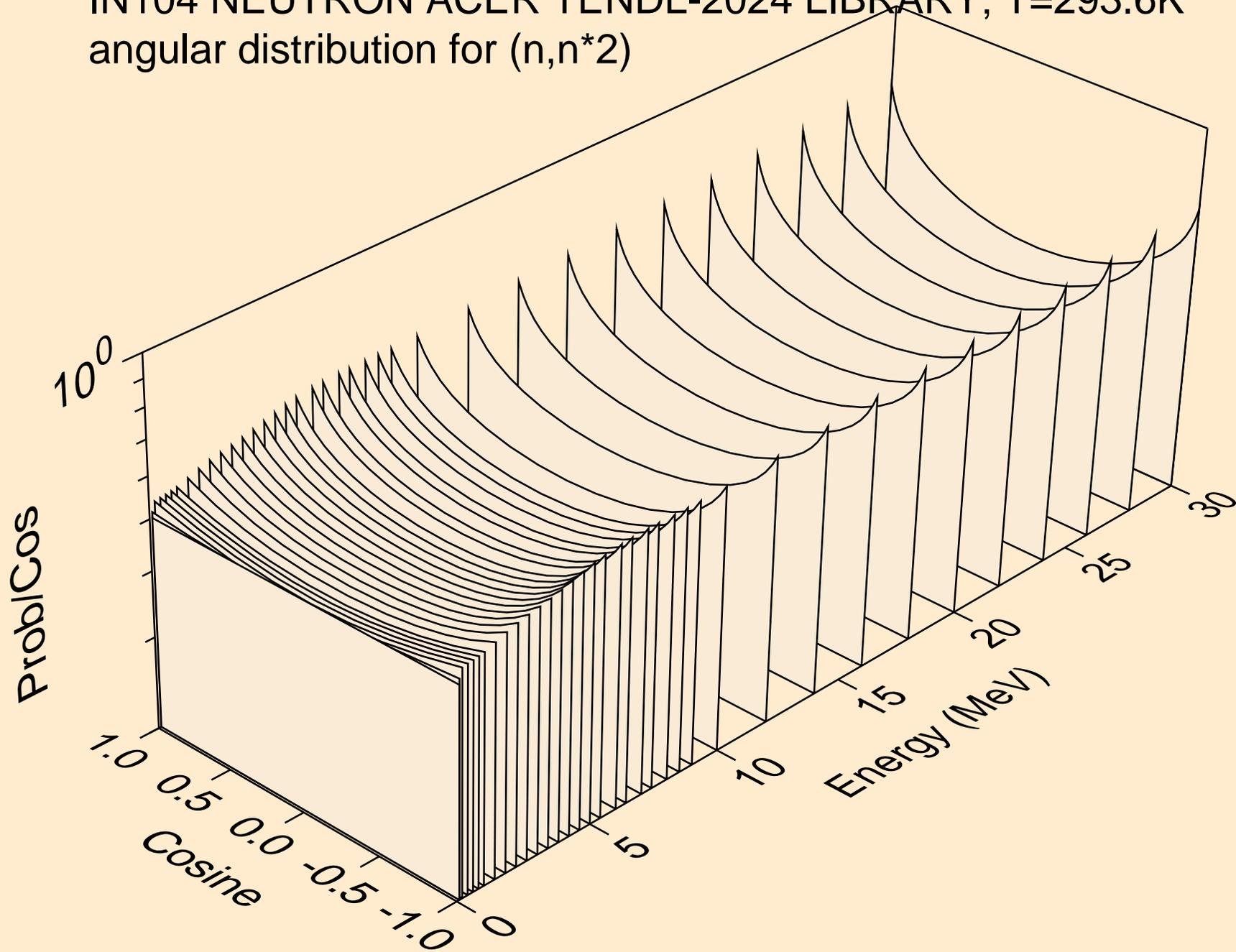
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for elastic



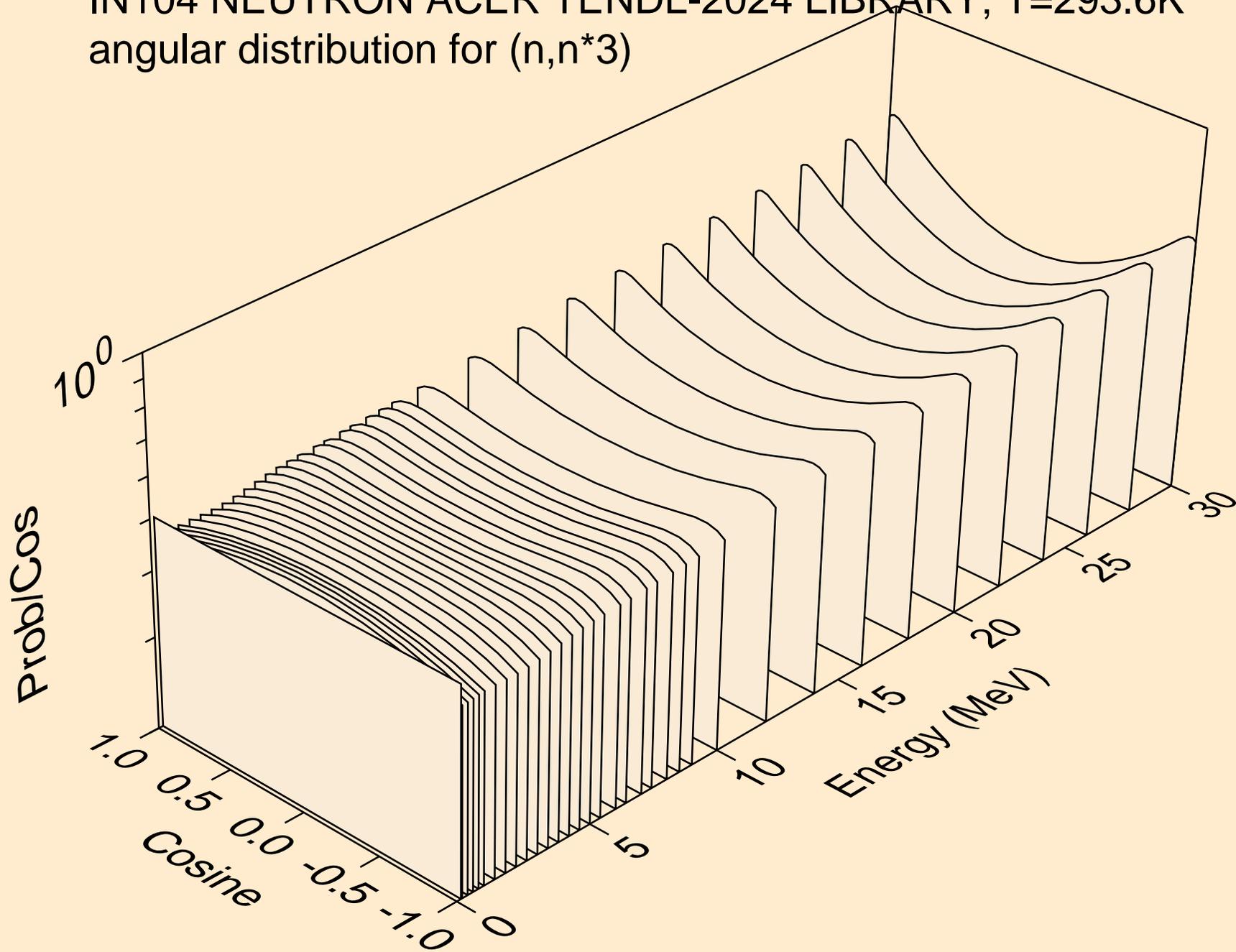
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*1)



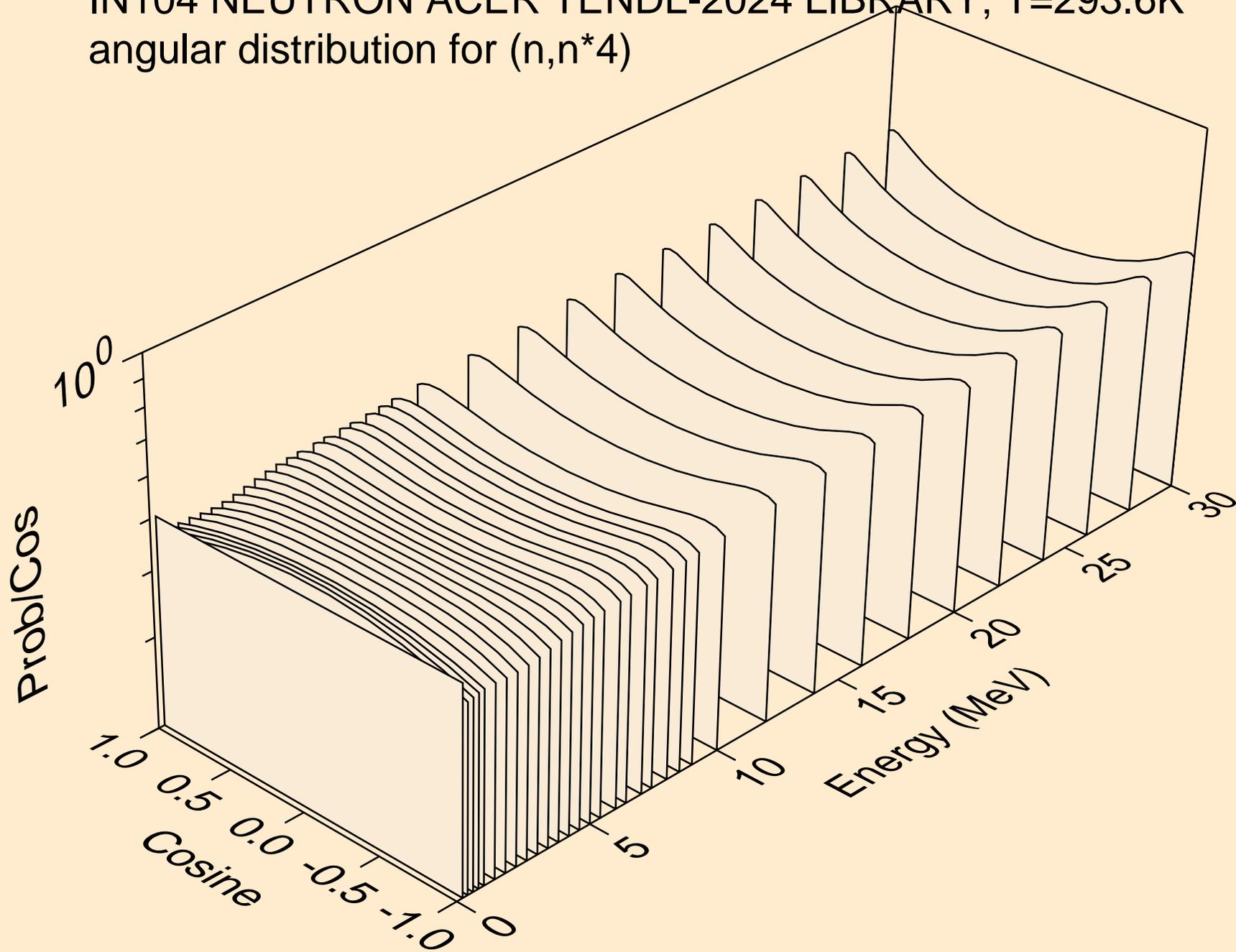
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*2)



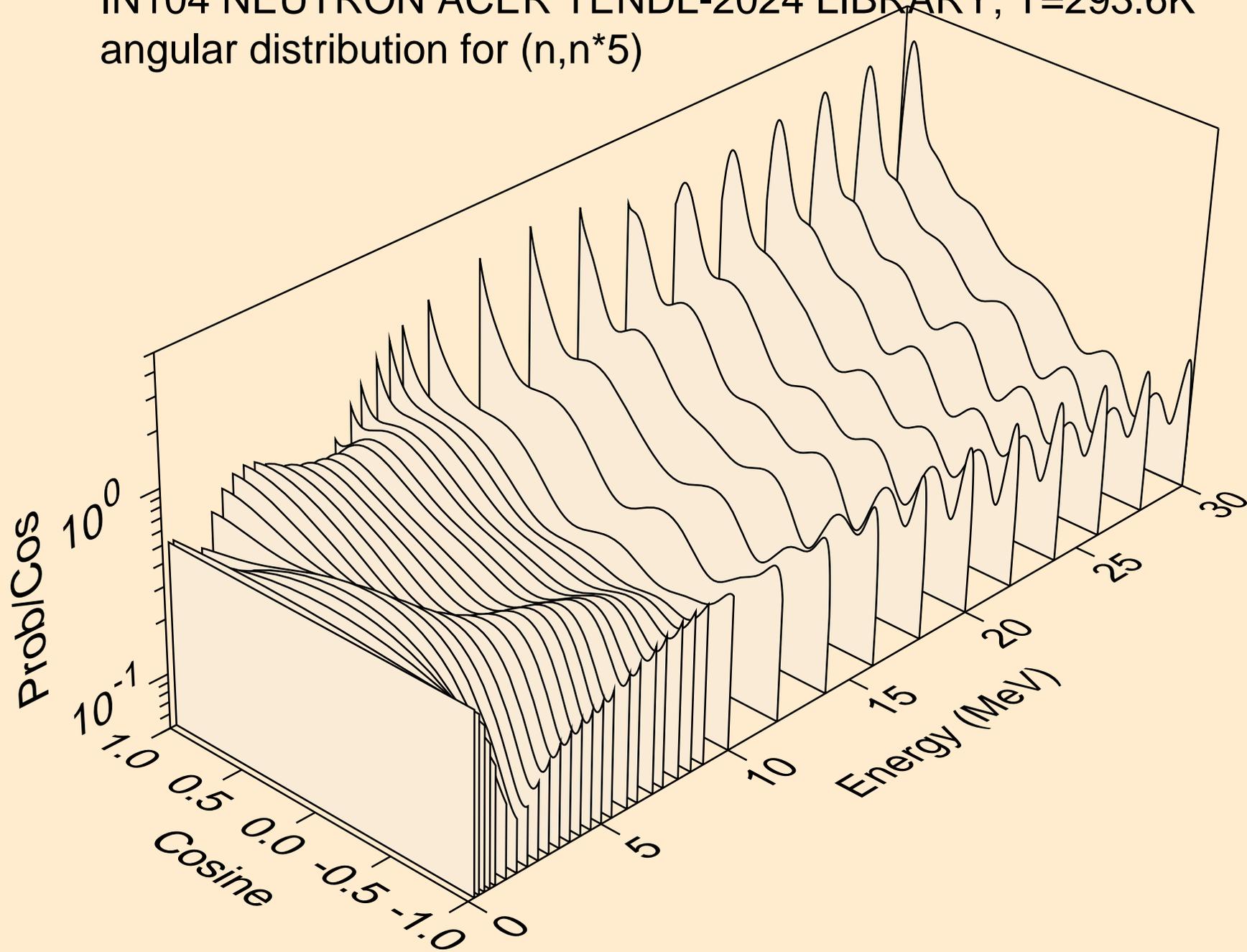
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*3)



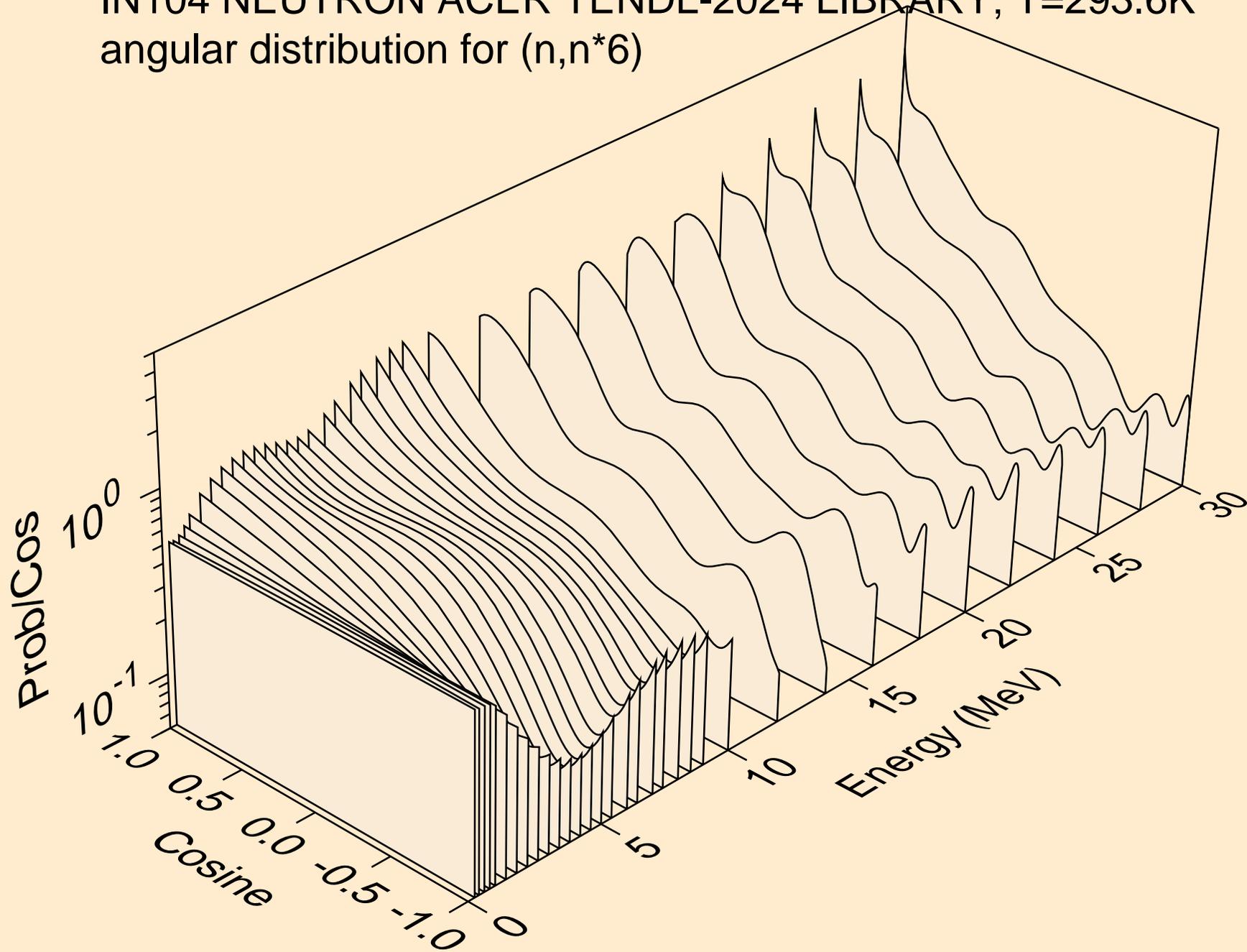
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*4)



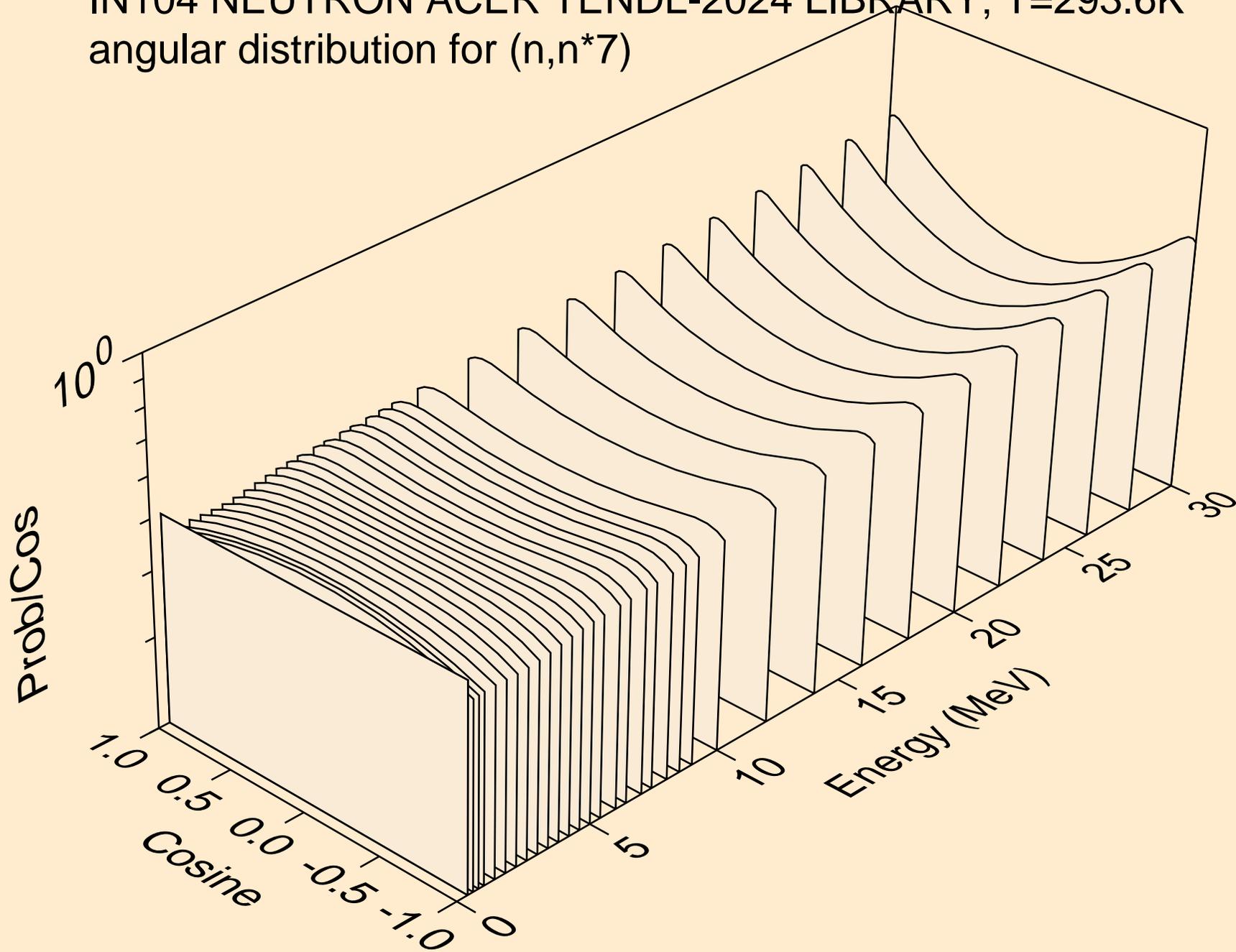
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*5)



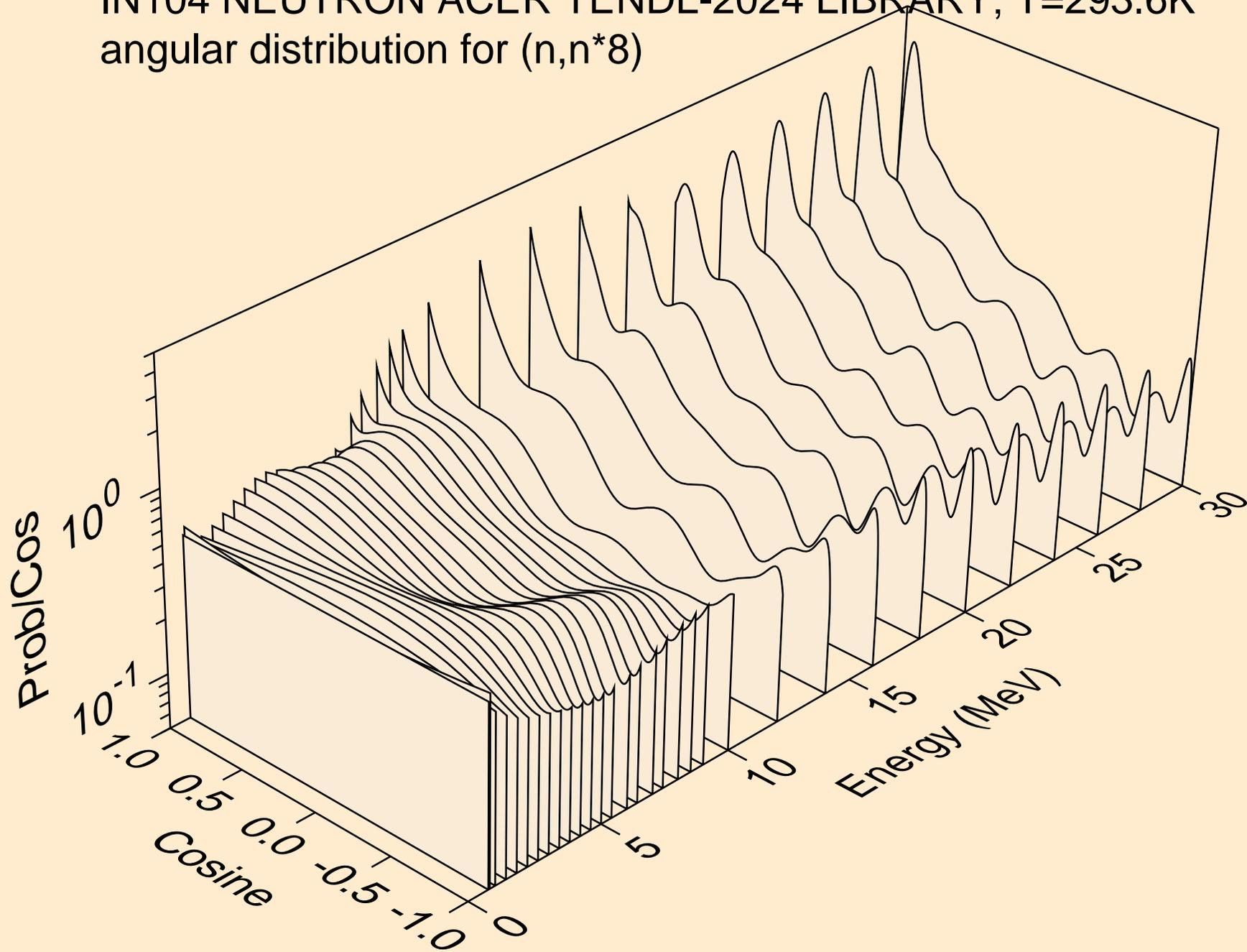
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*6)



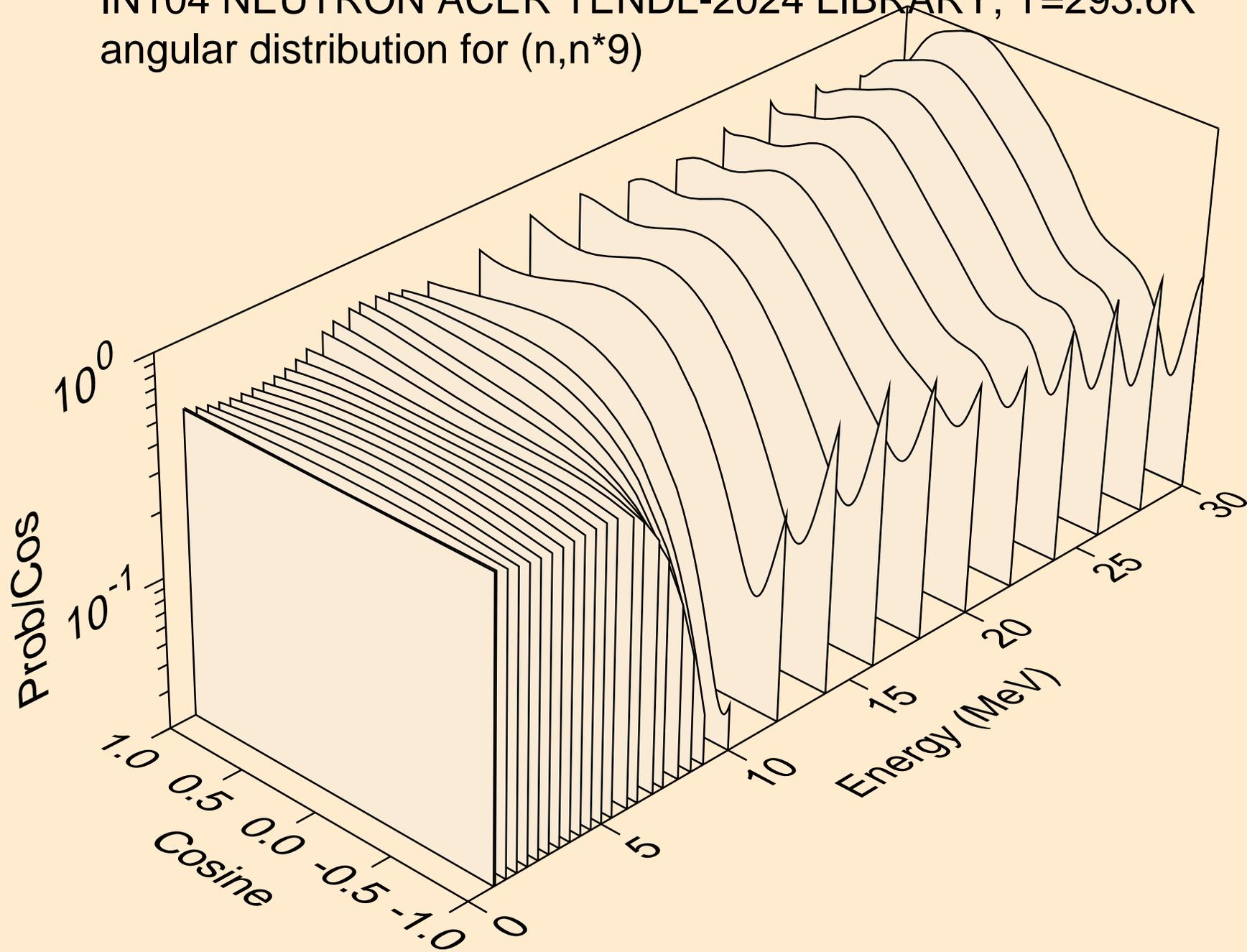
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*7)



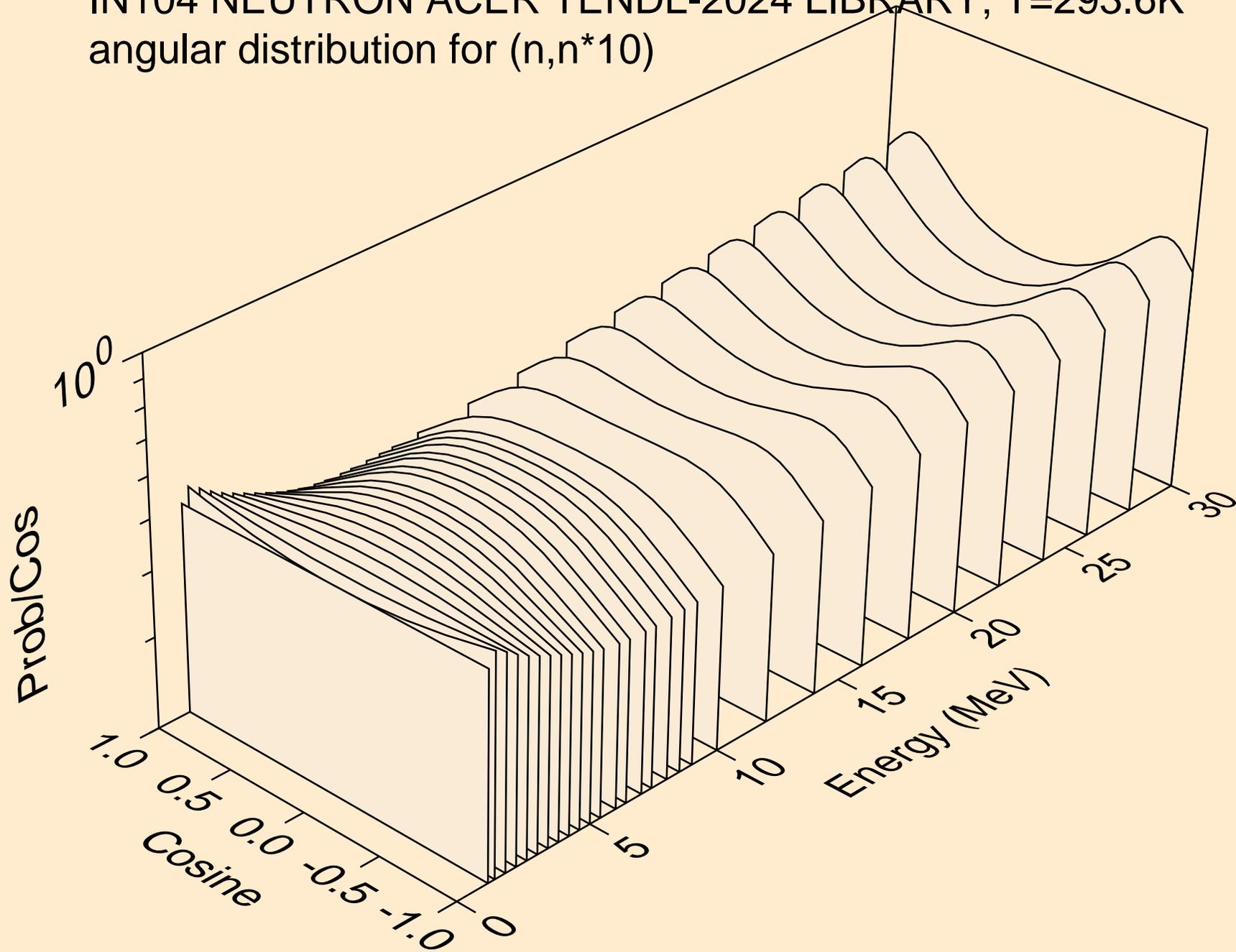
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*8)



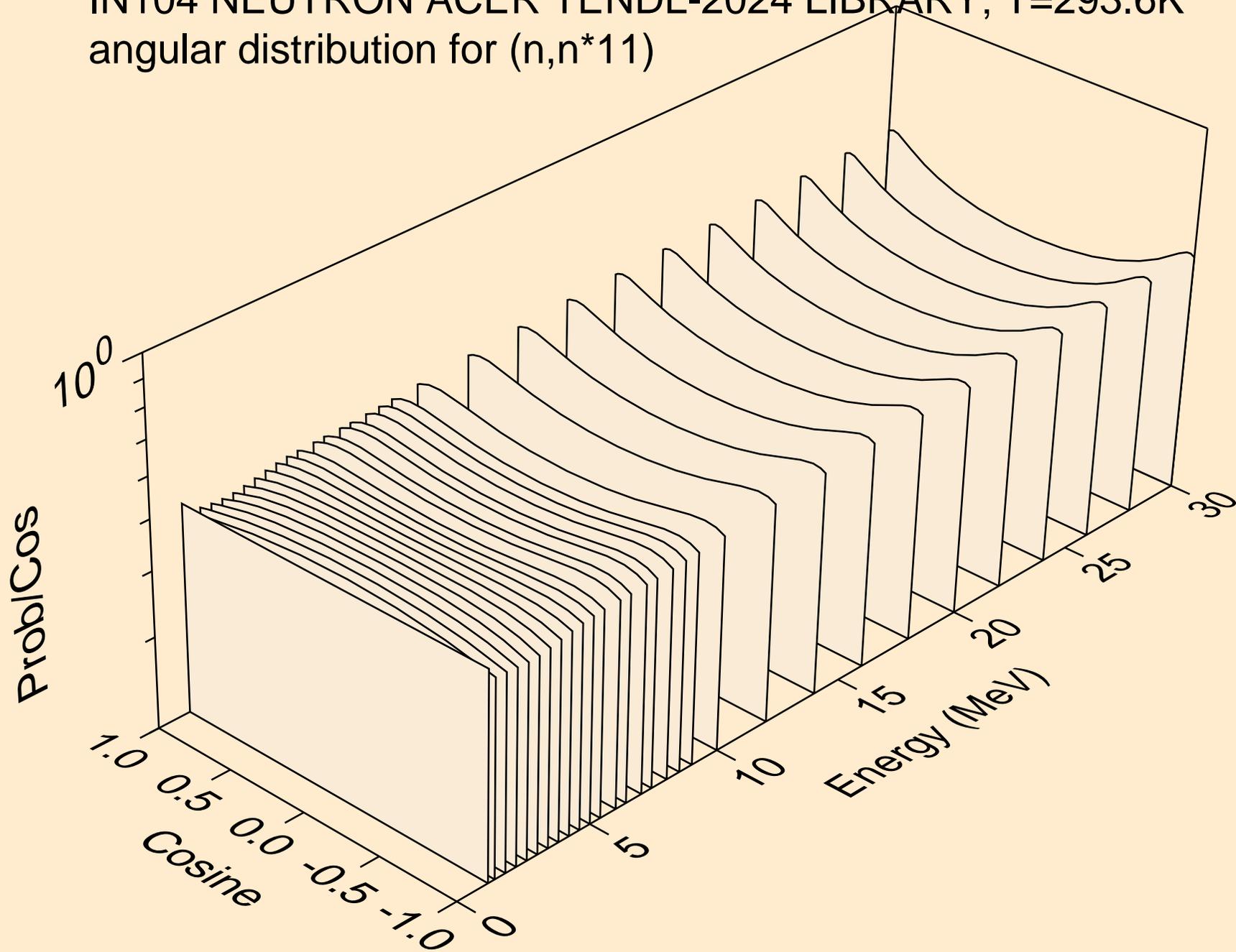
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*9)



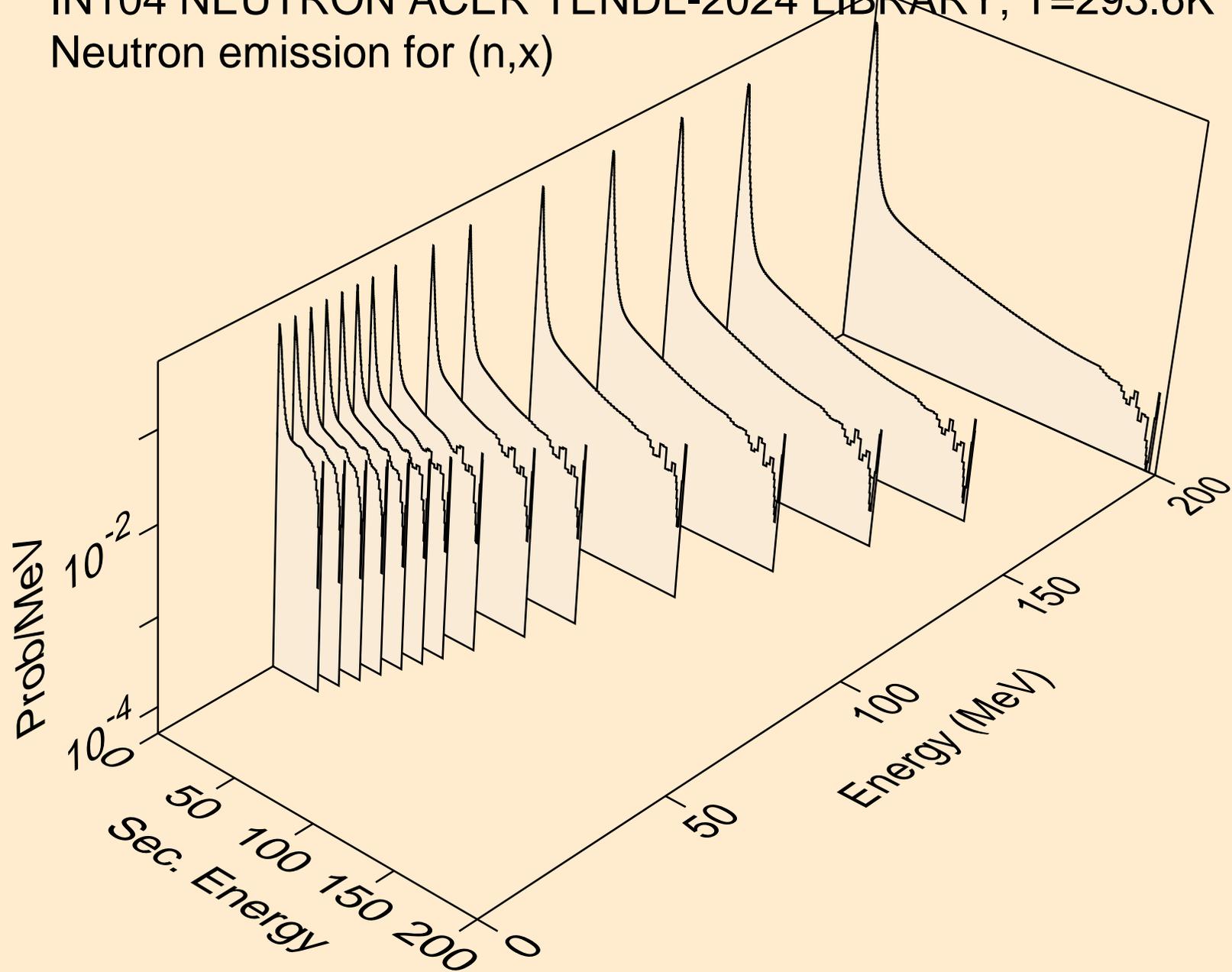
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
angular distribution for (n,n\*10)



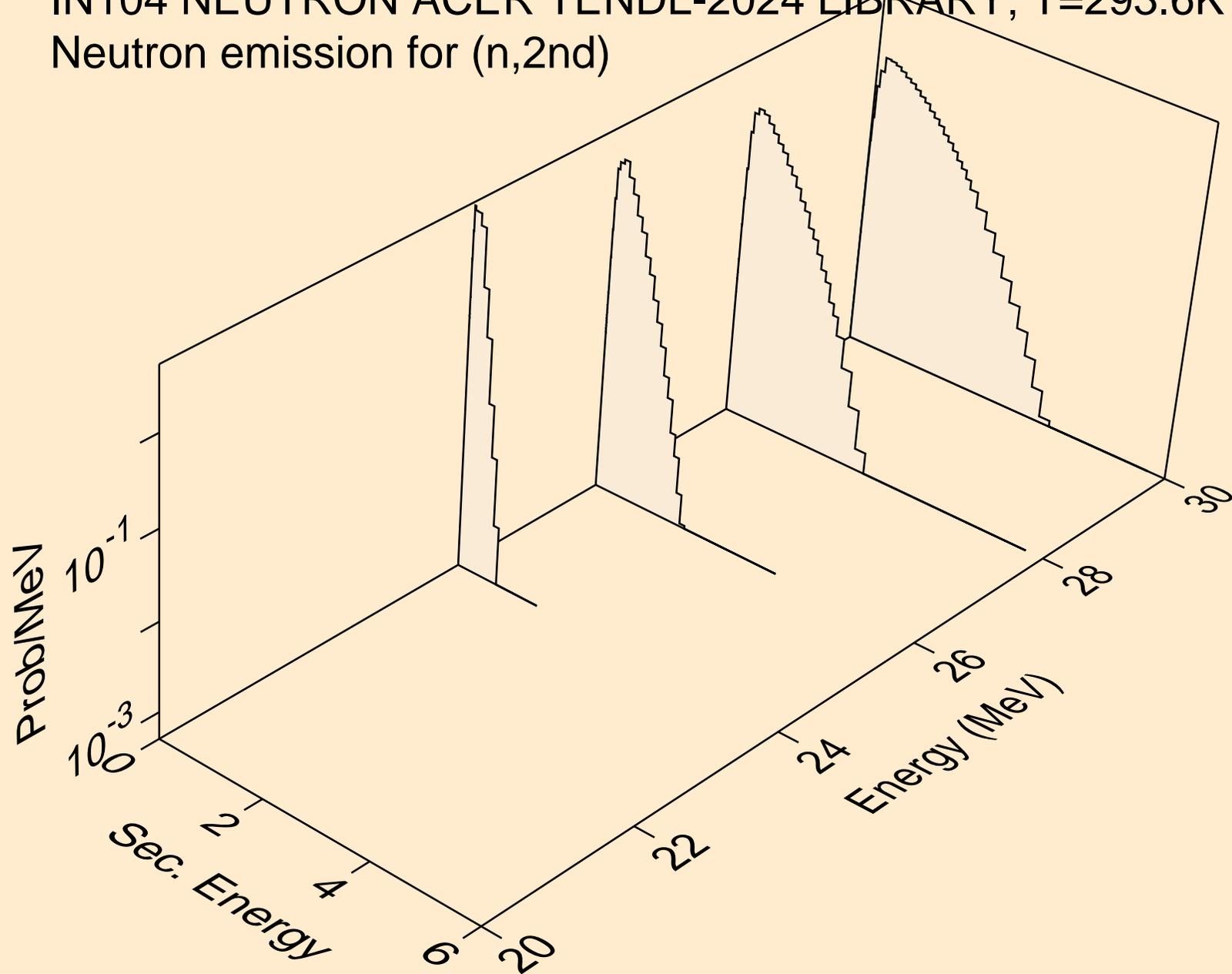
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angular distribution for (n,n\*11)



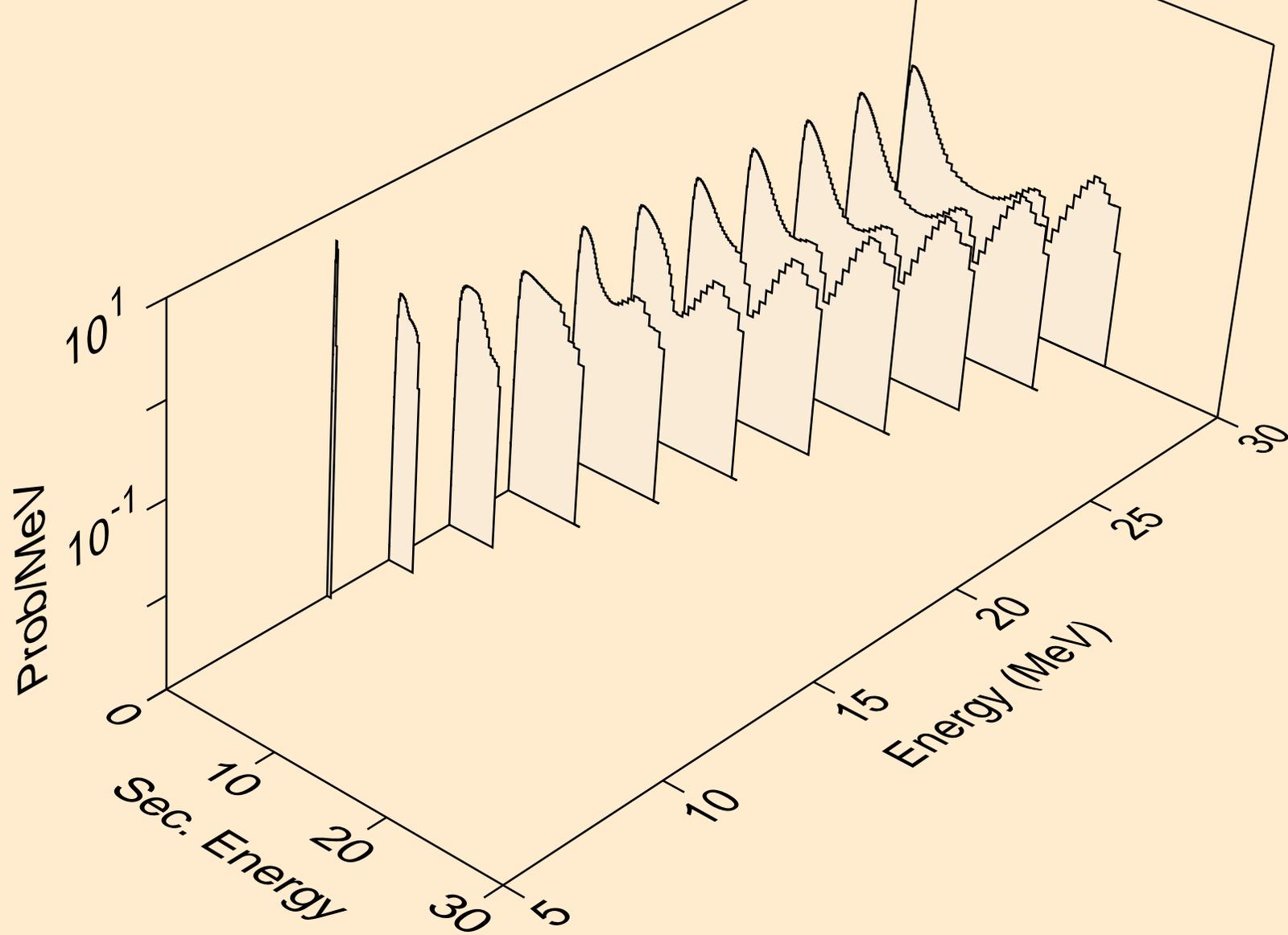
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,x)



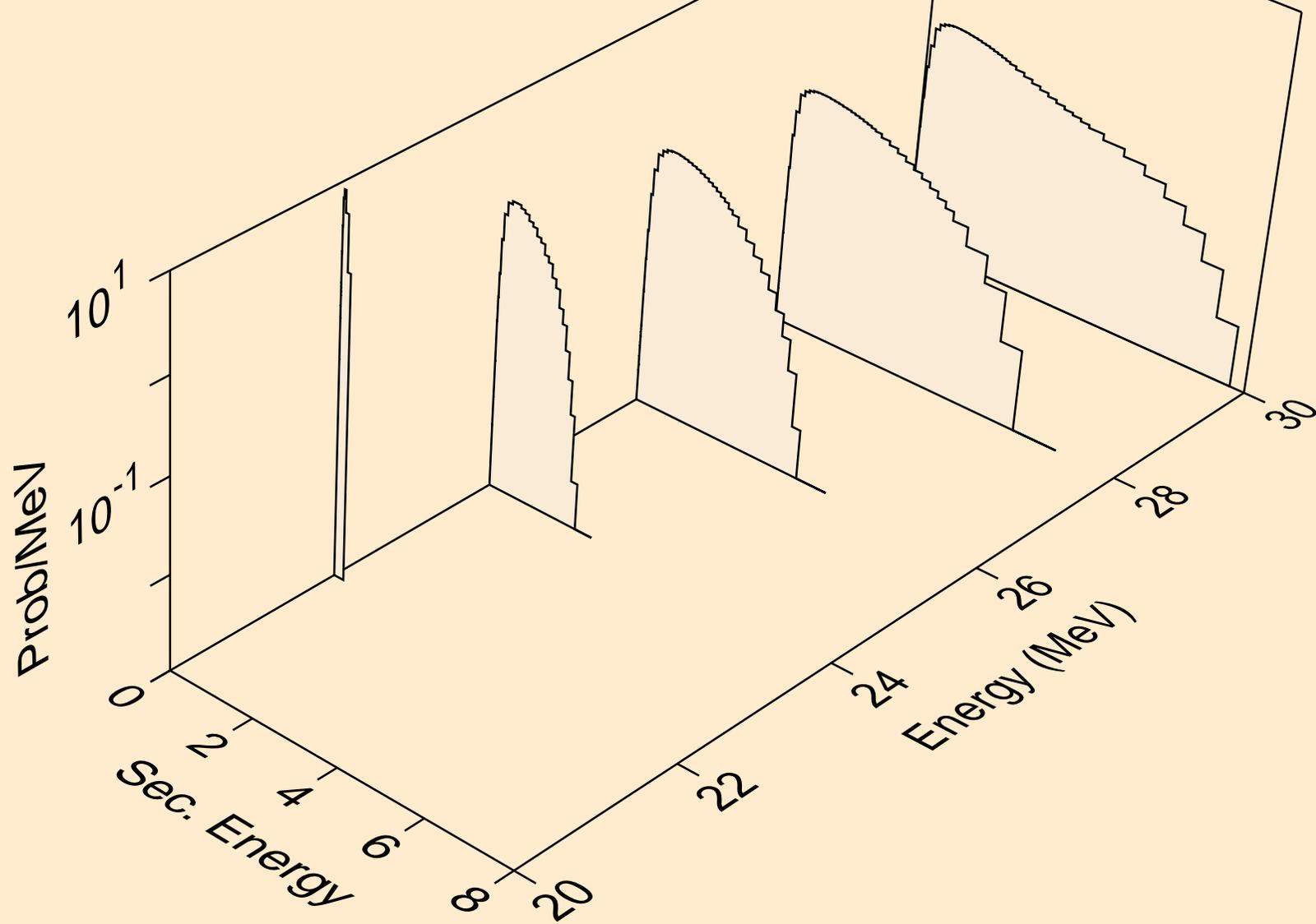
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2nd)



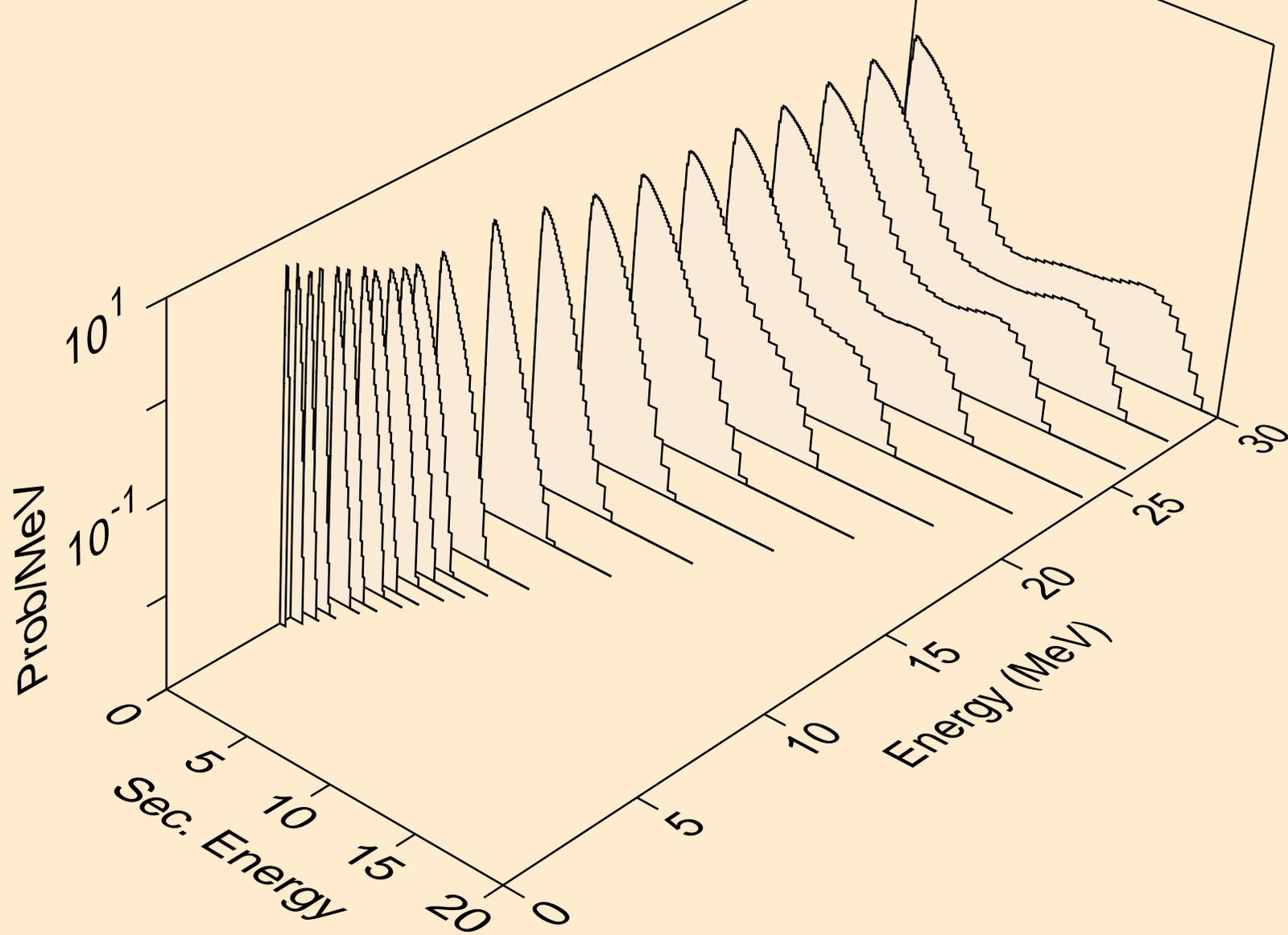
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)



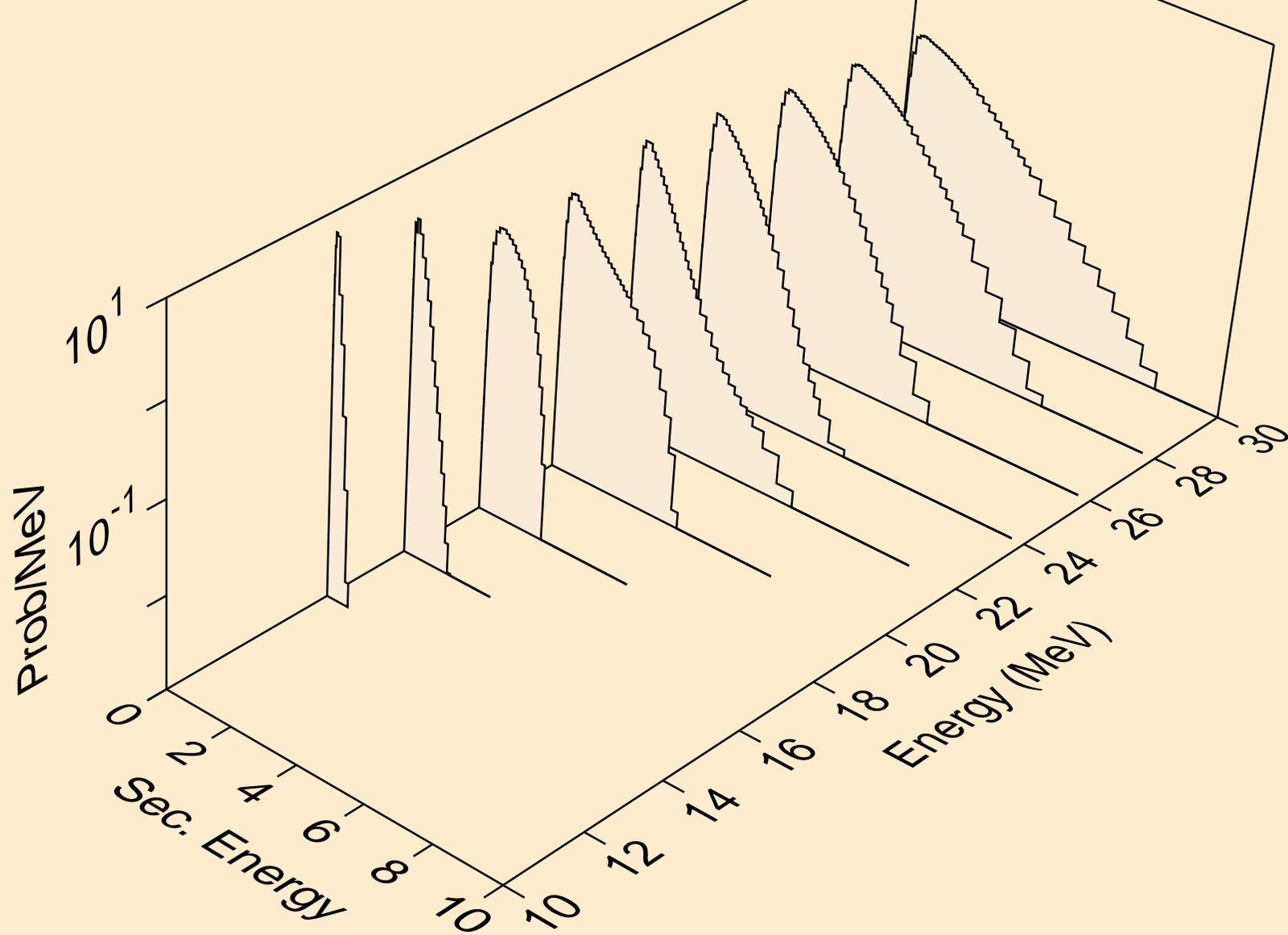
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,3n)



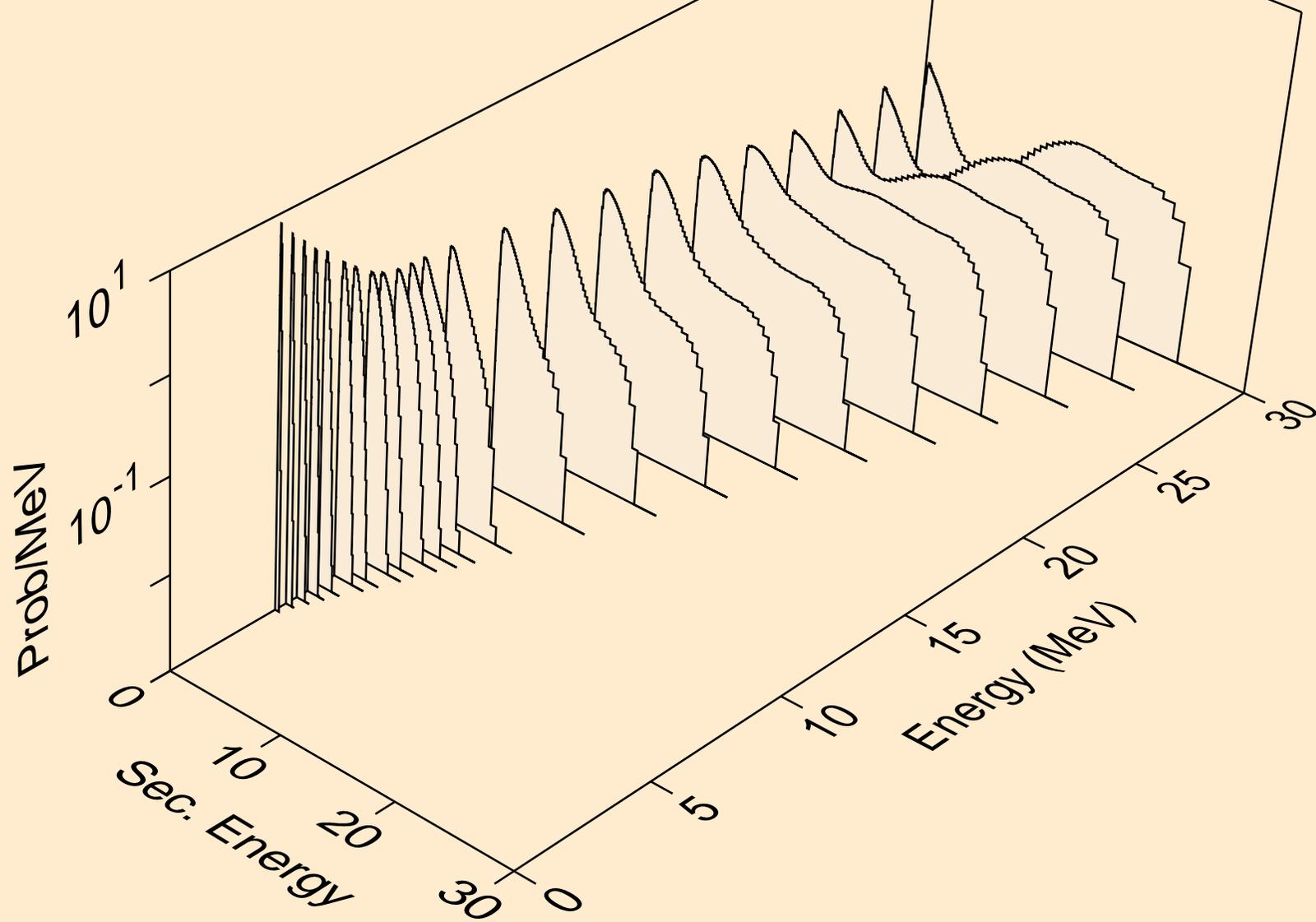
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)a



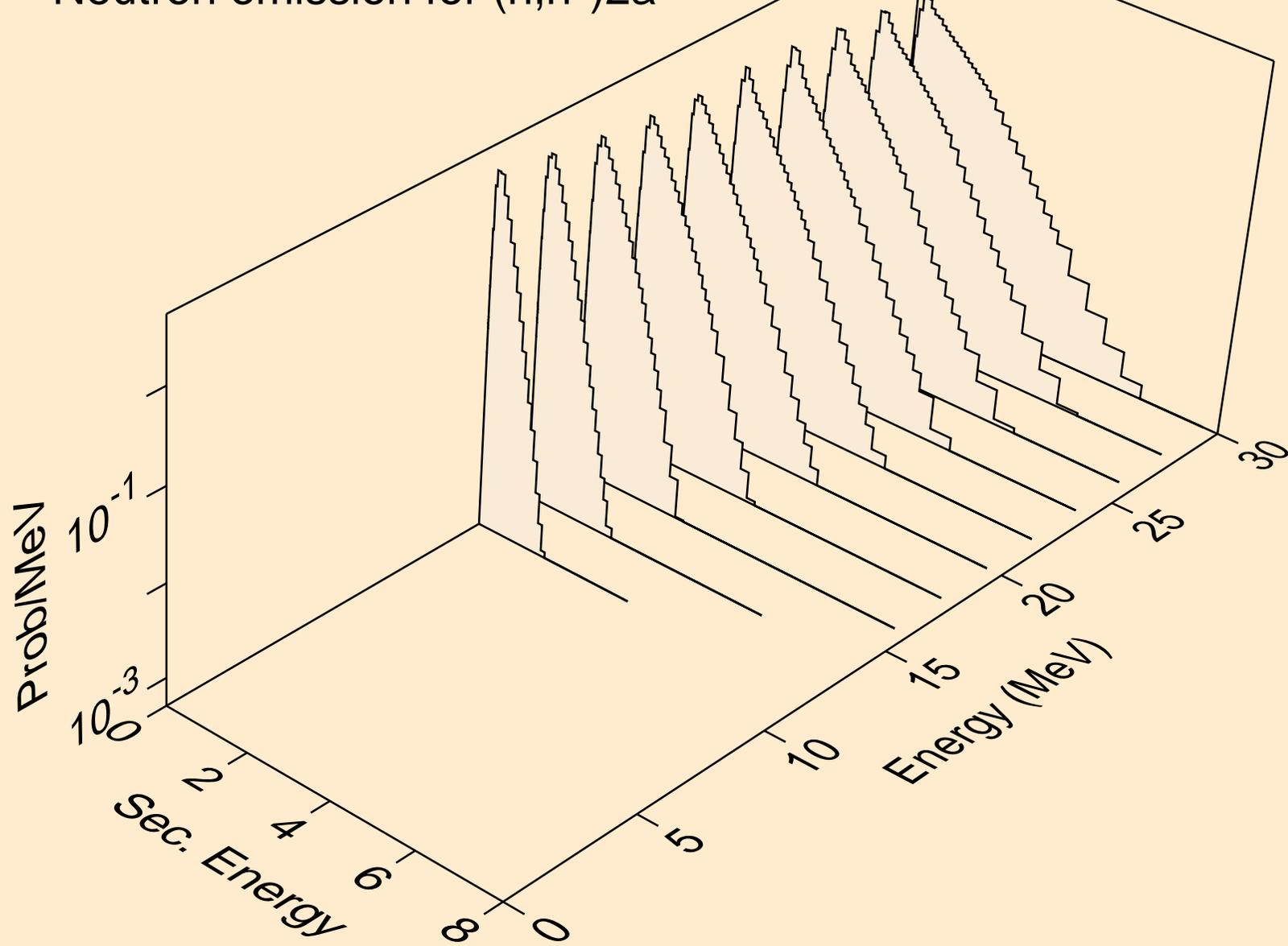
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)<sub>a</sub>



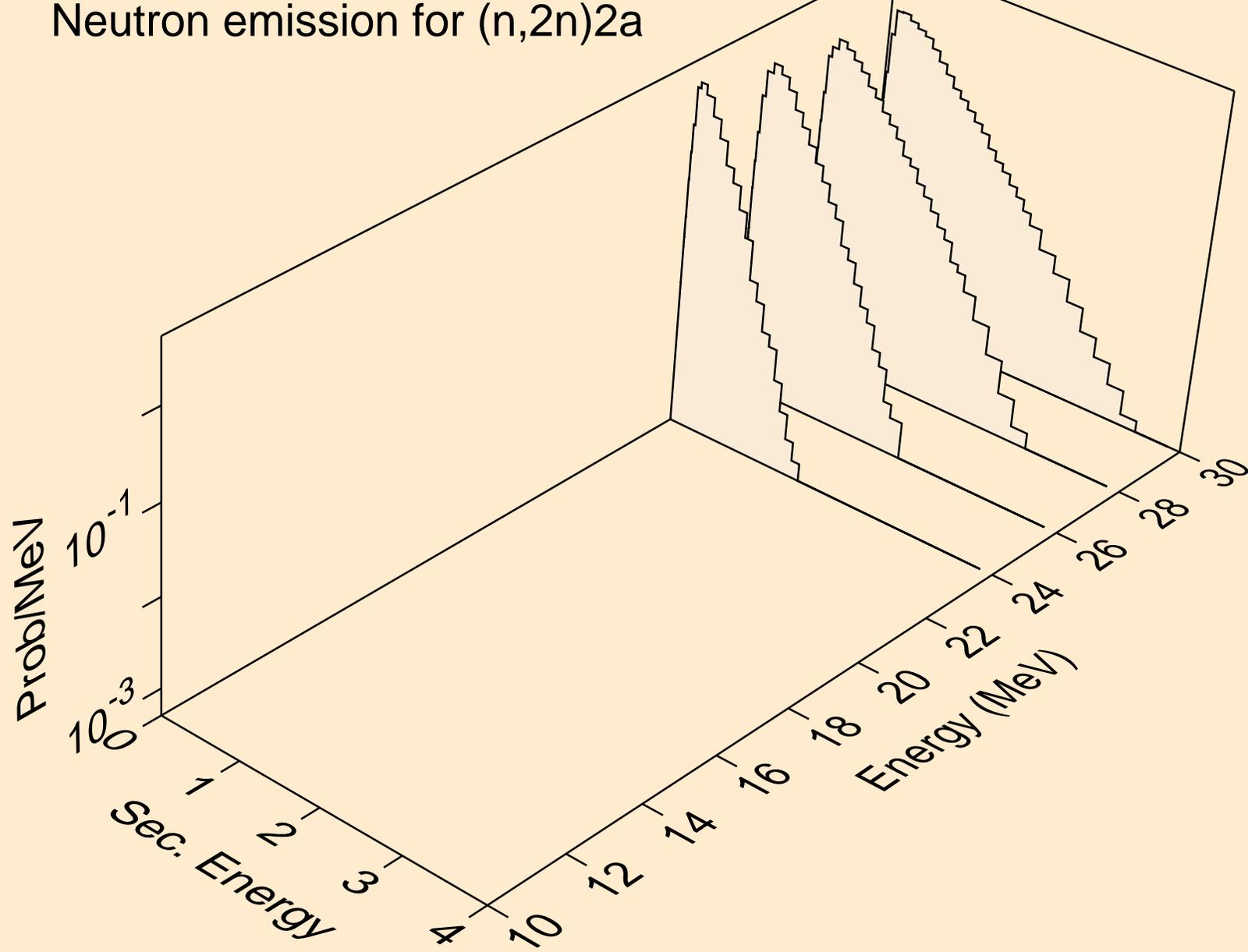
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)p



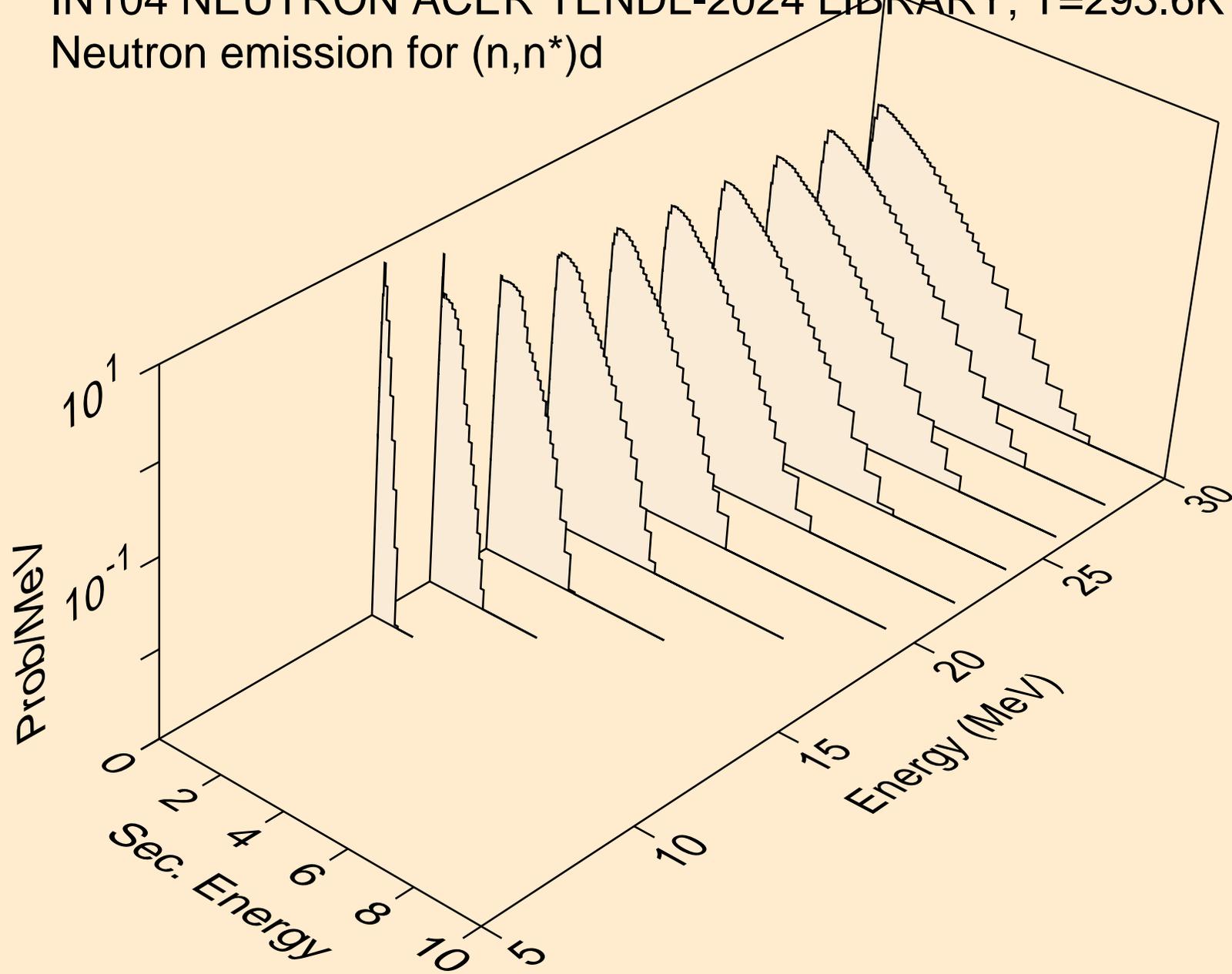
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)2a



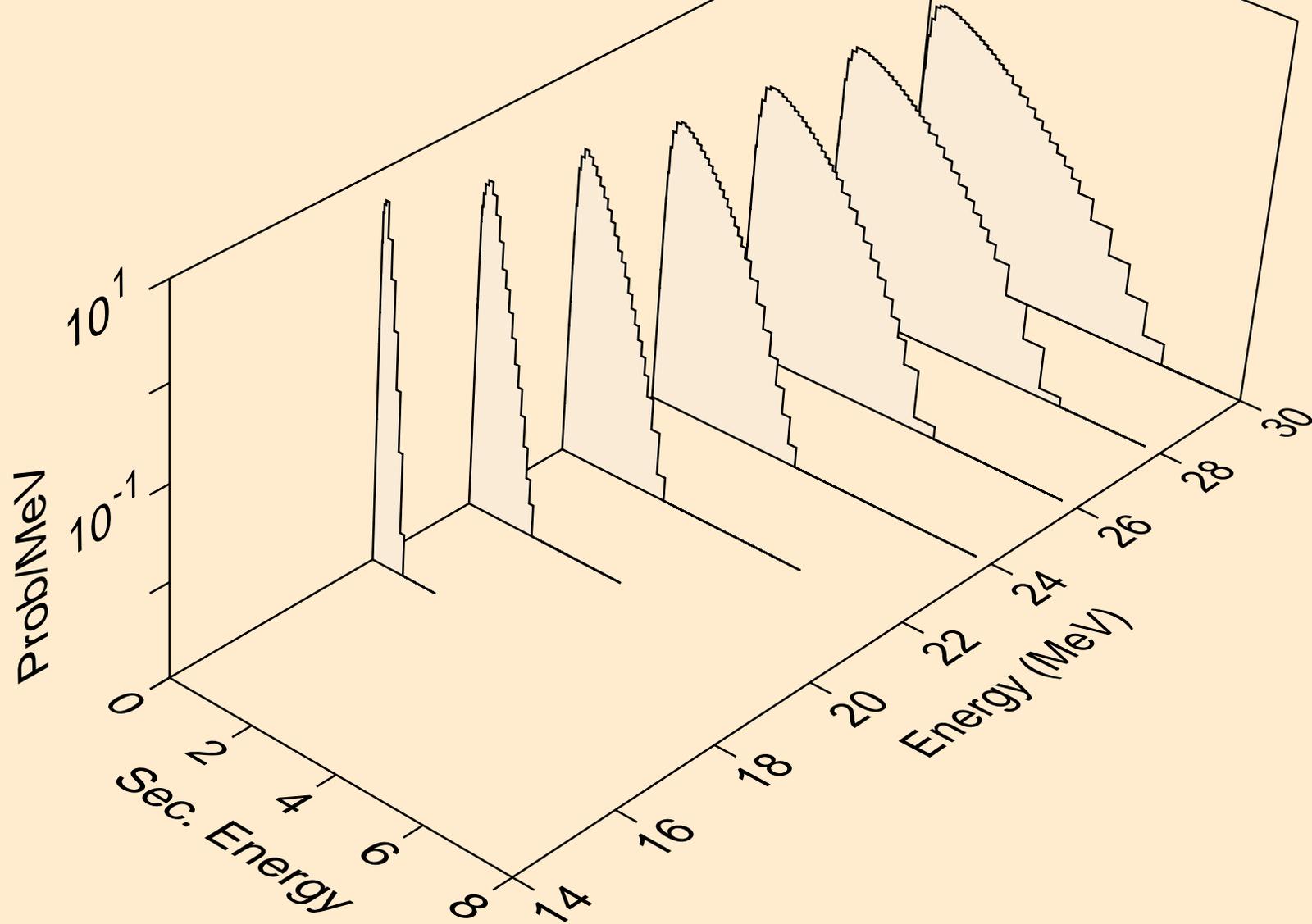
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2n)2a



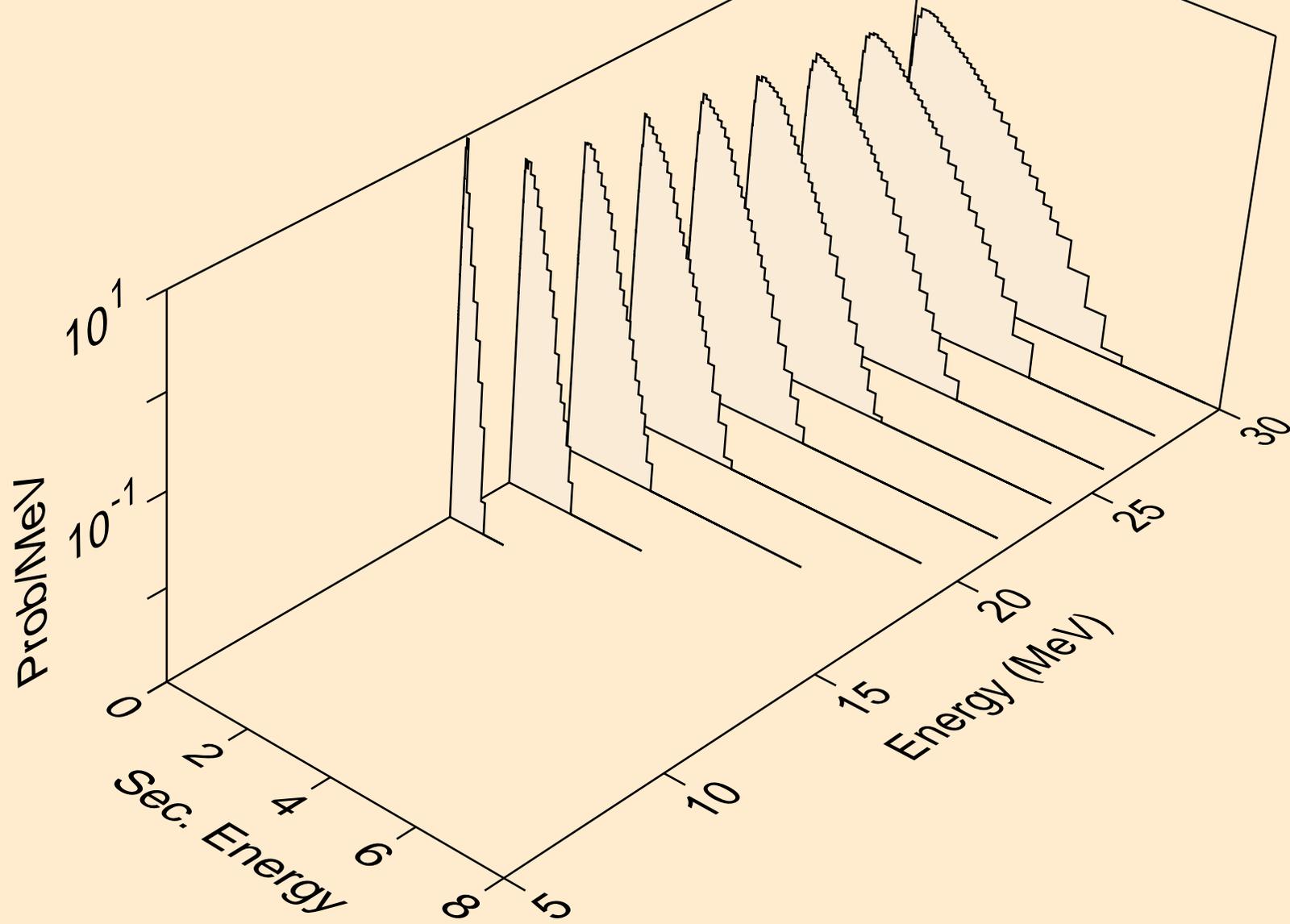
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Neutron emission for (n,n\*)d



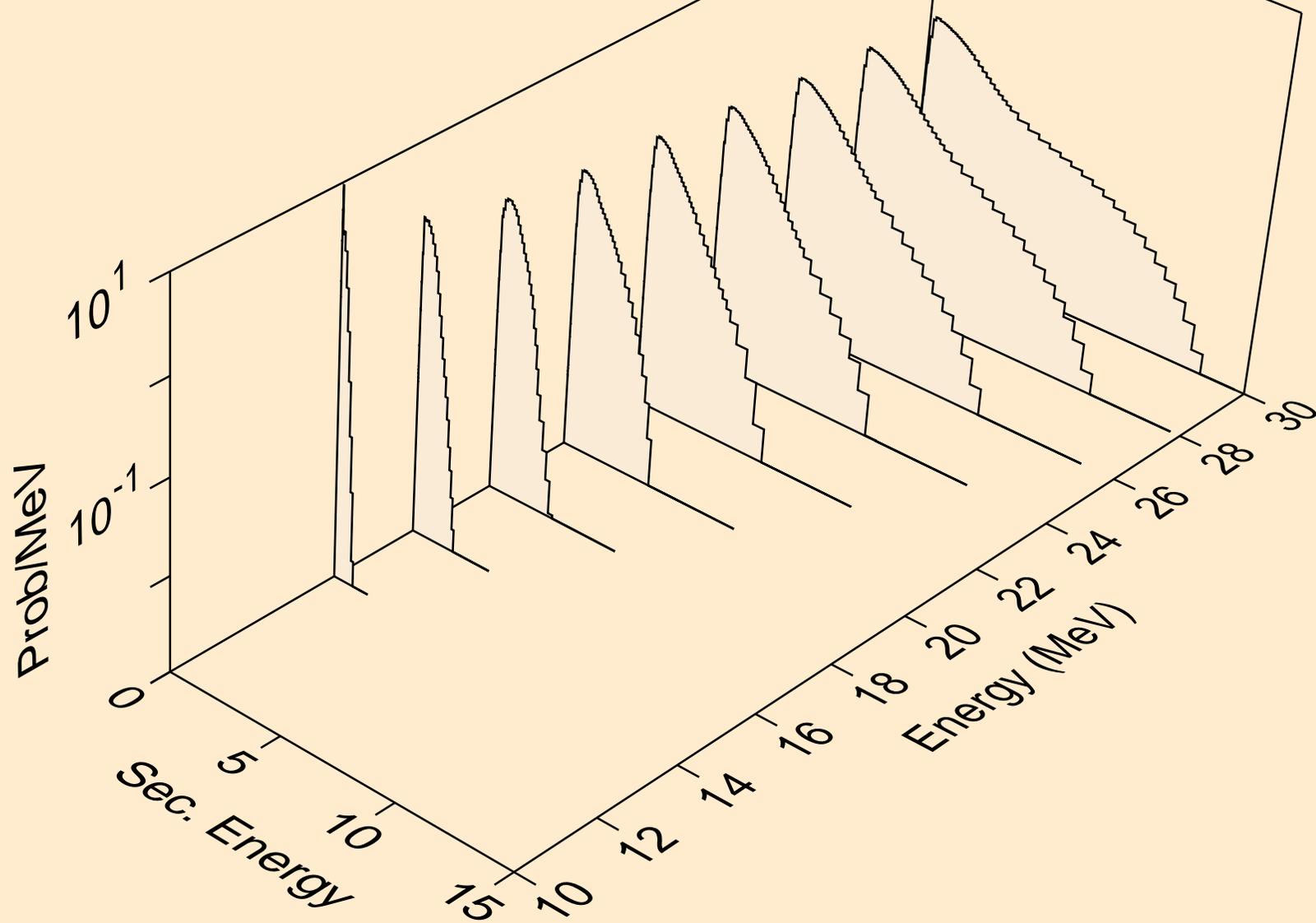
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)t



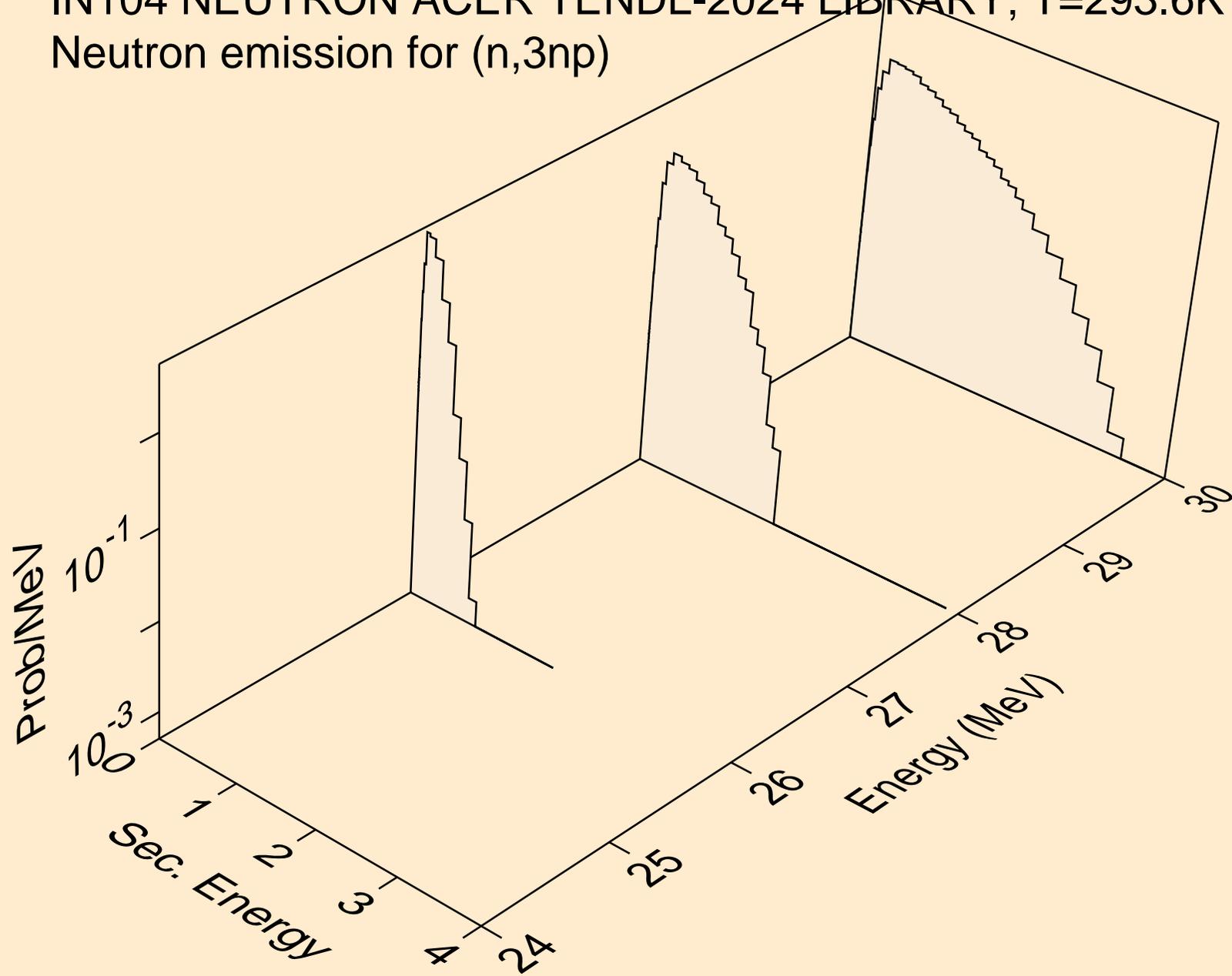
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*)he3



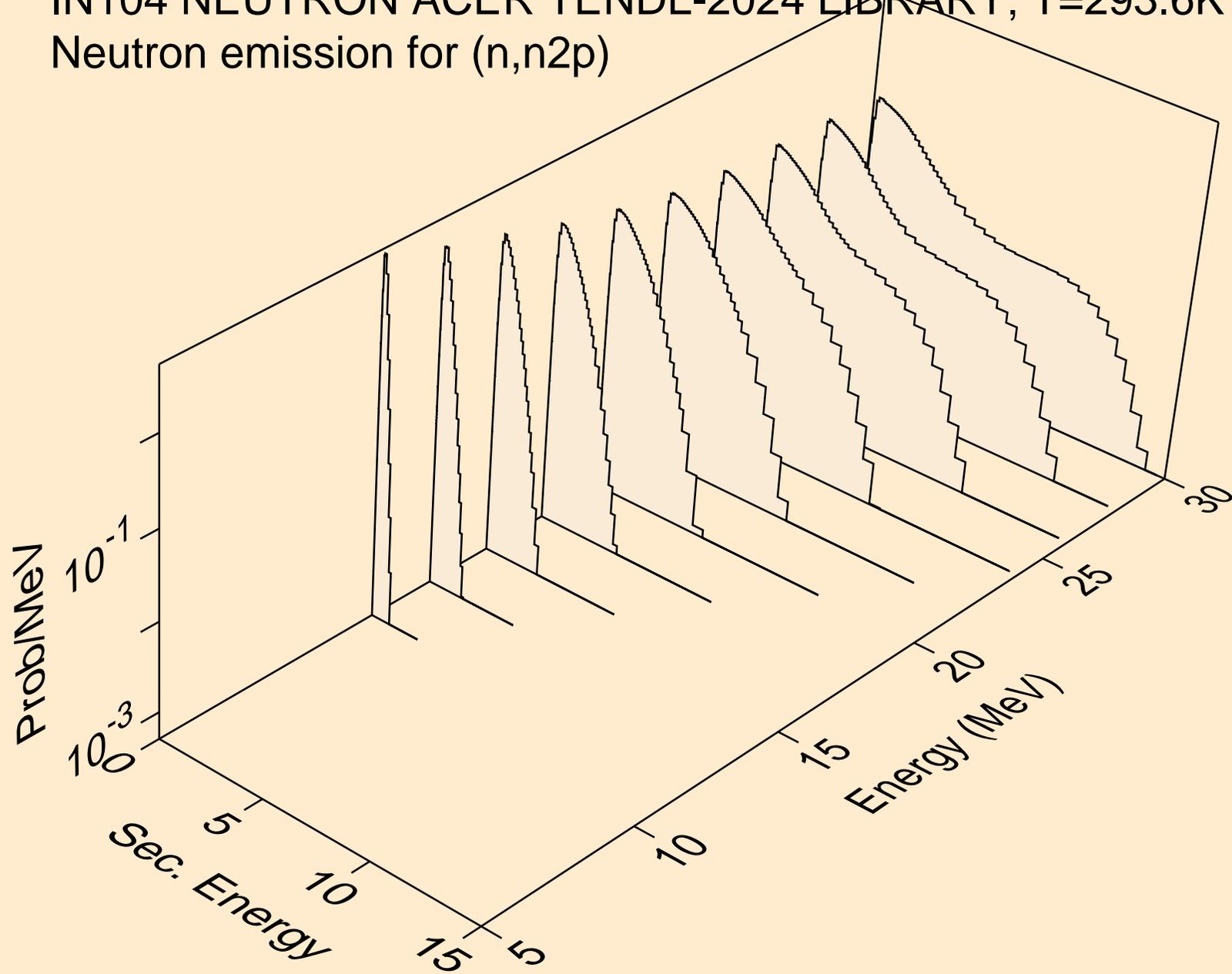
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,2np)



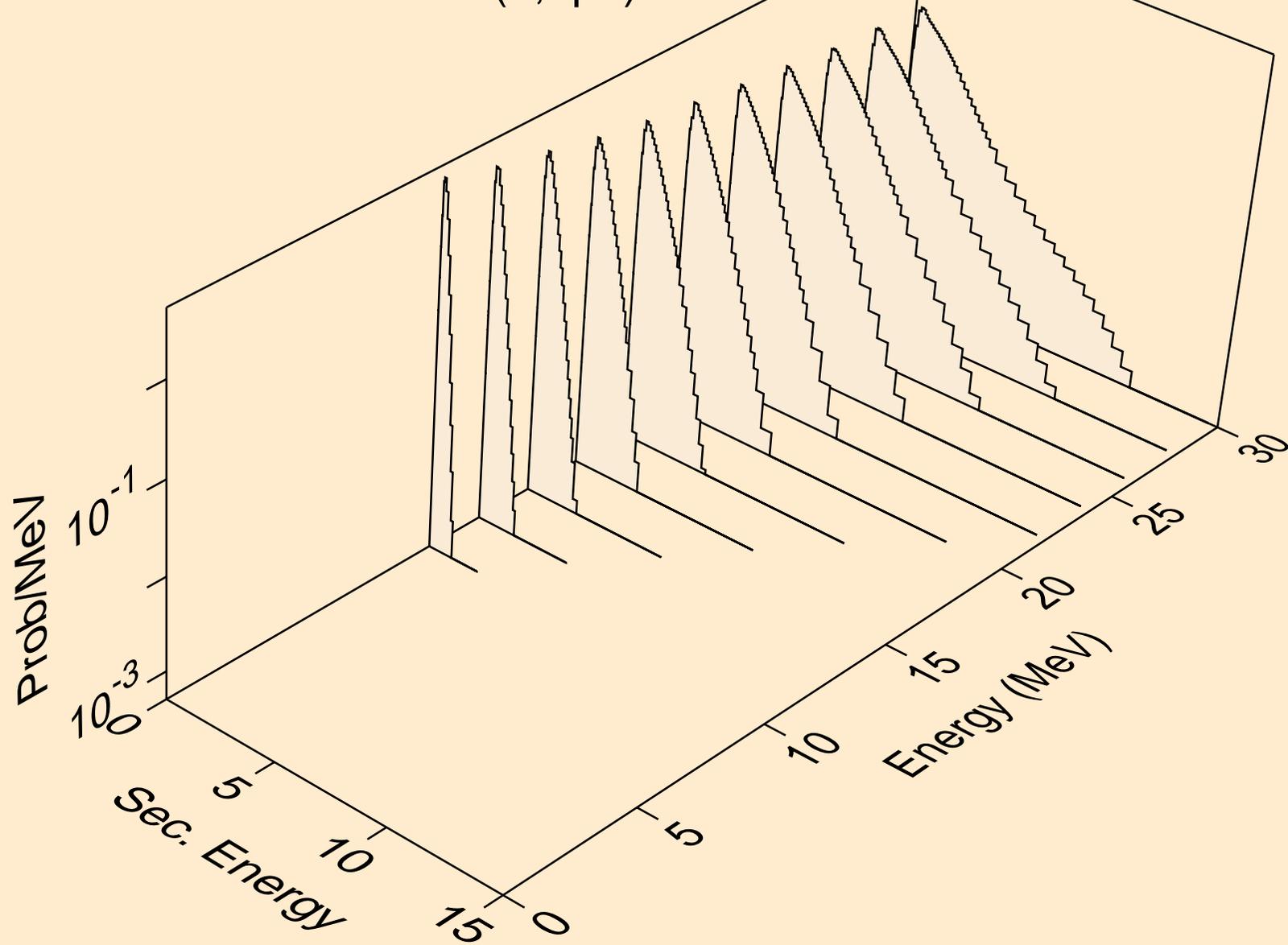
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Neutron emission for (n,3np)



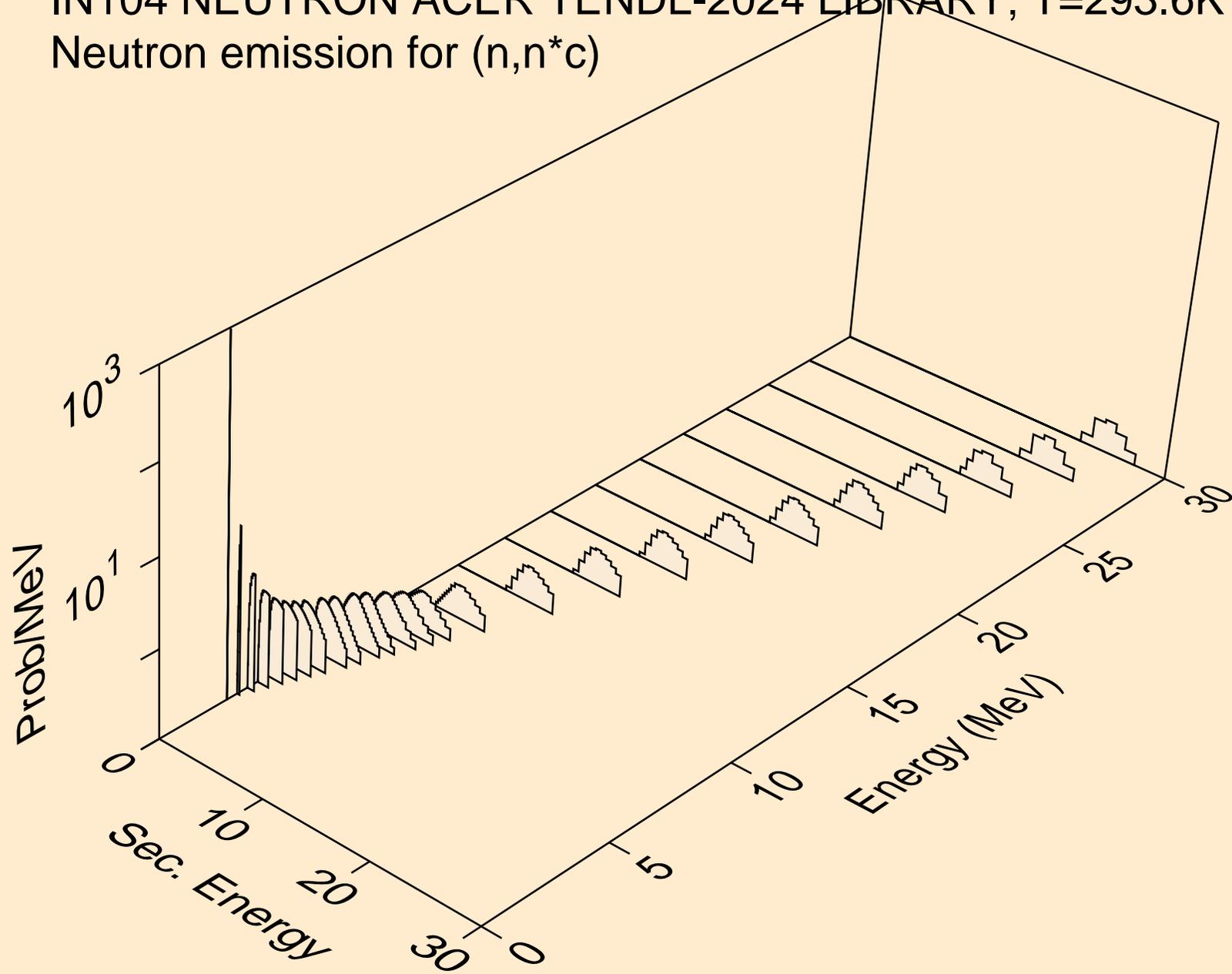
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n2p)



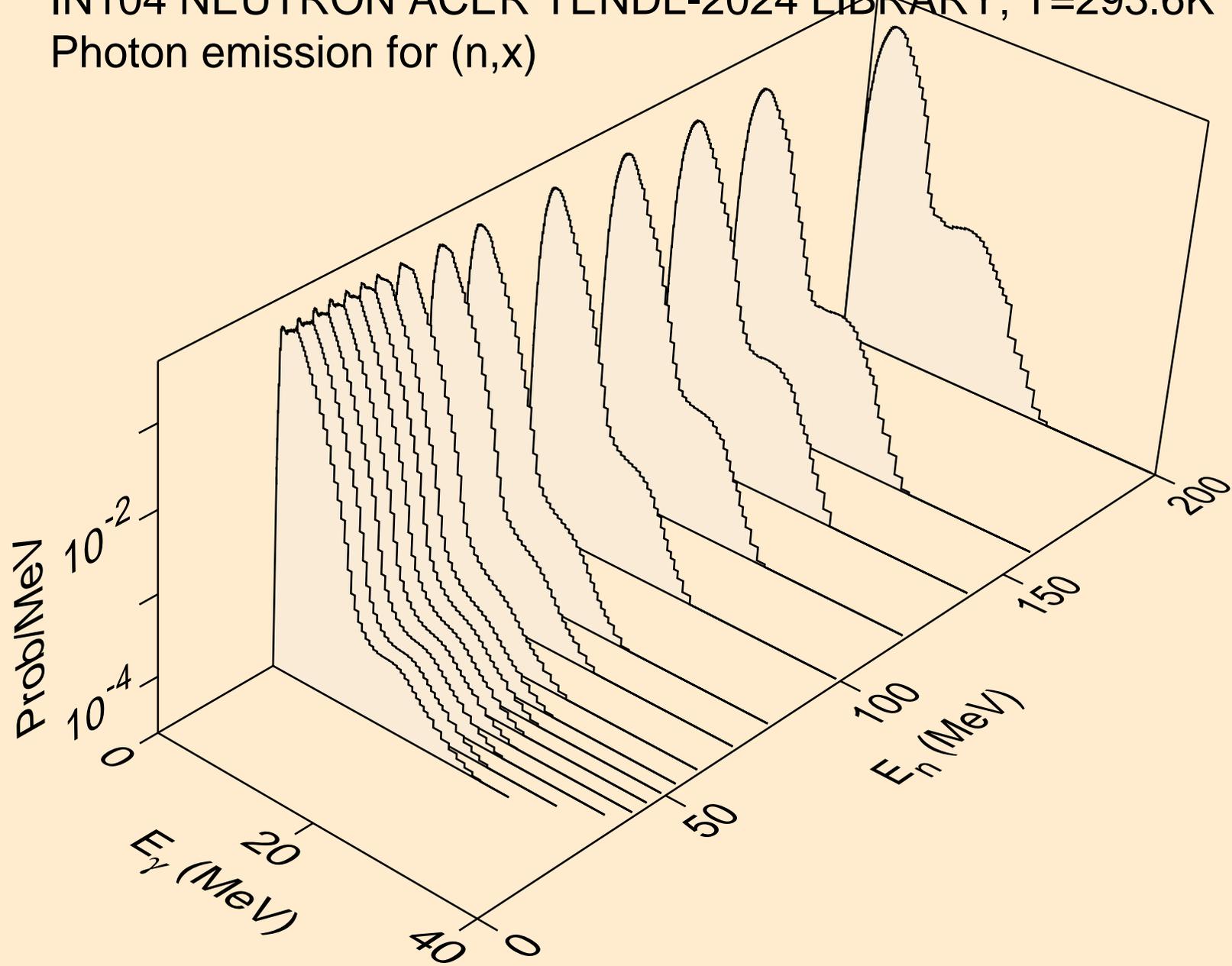
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Neutron emission for (n,npa)



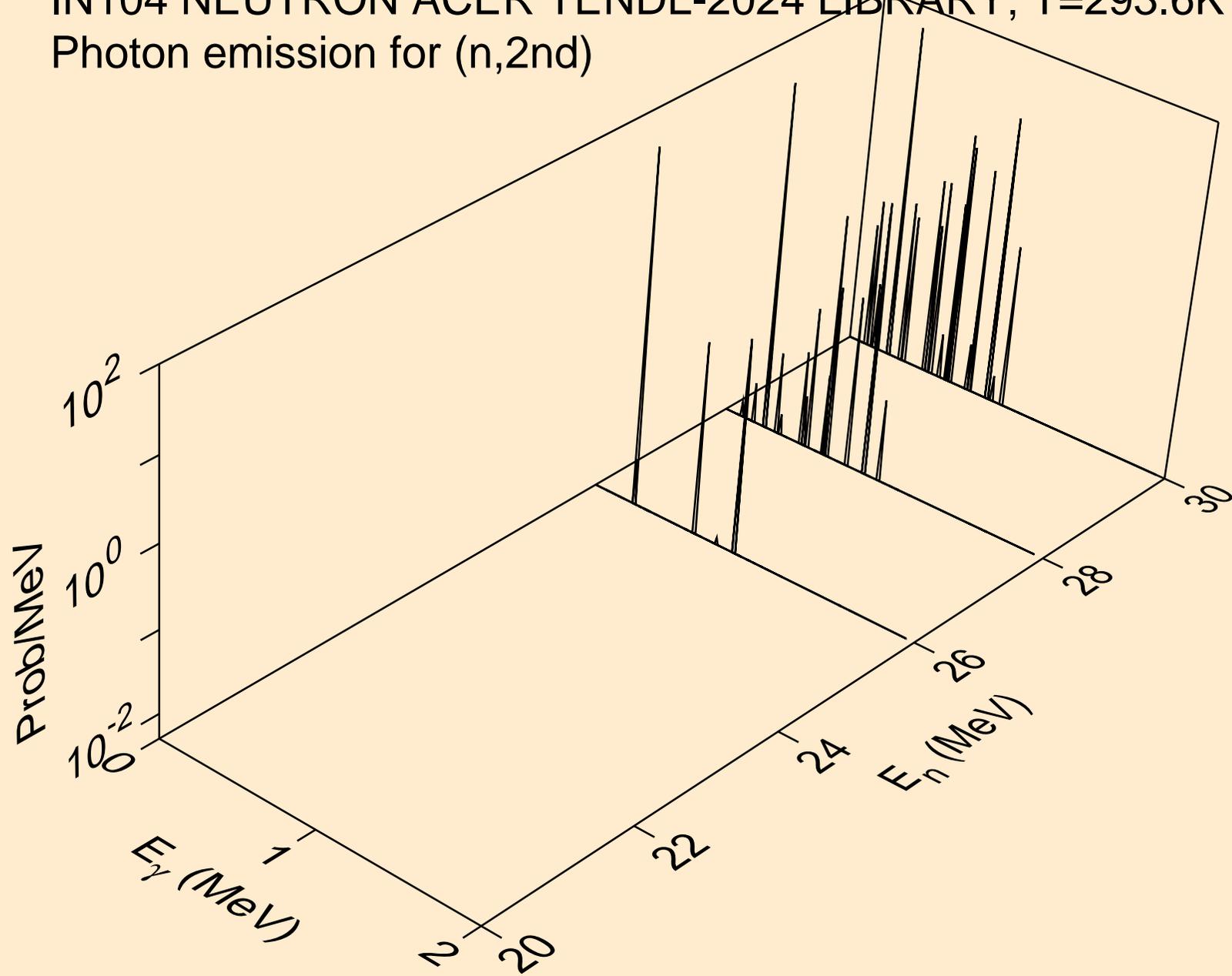
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Neutron emission for (n,n\*c)



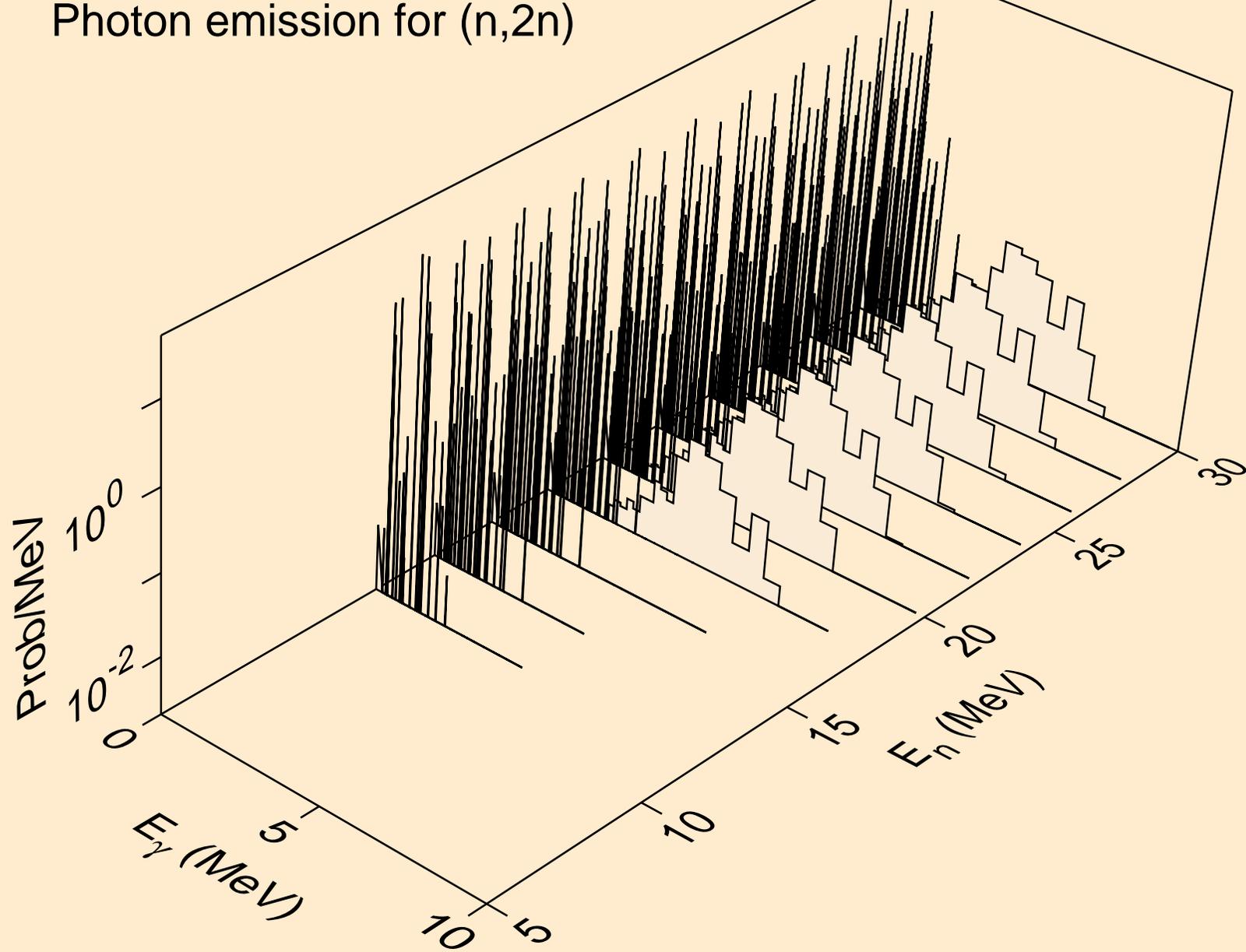
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,x)



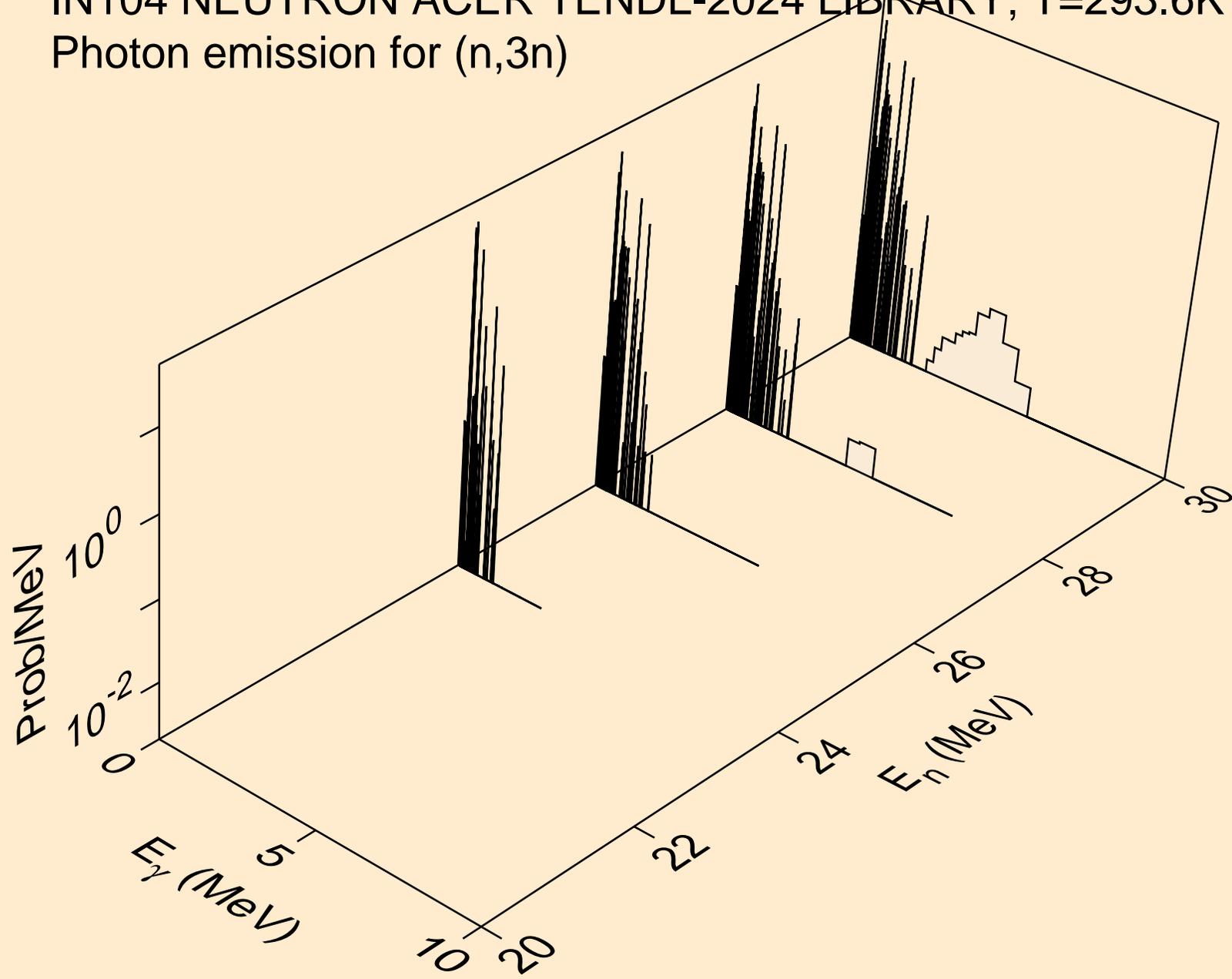
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Photon emission for (n,2nd)



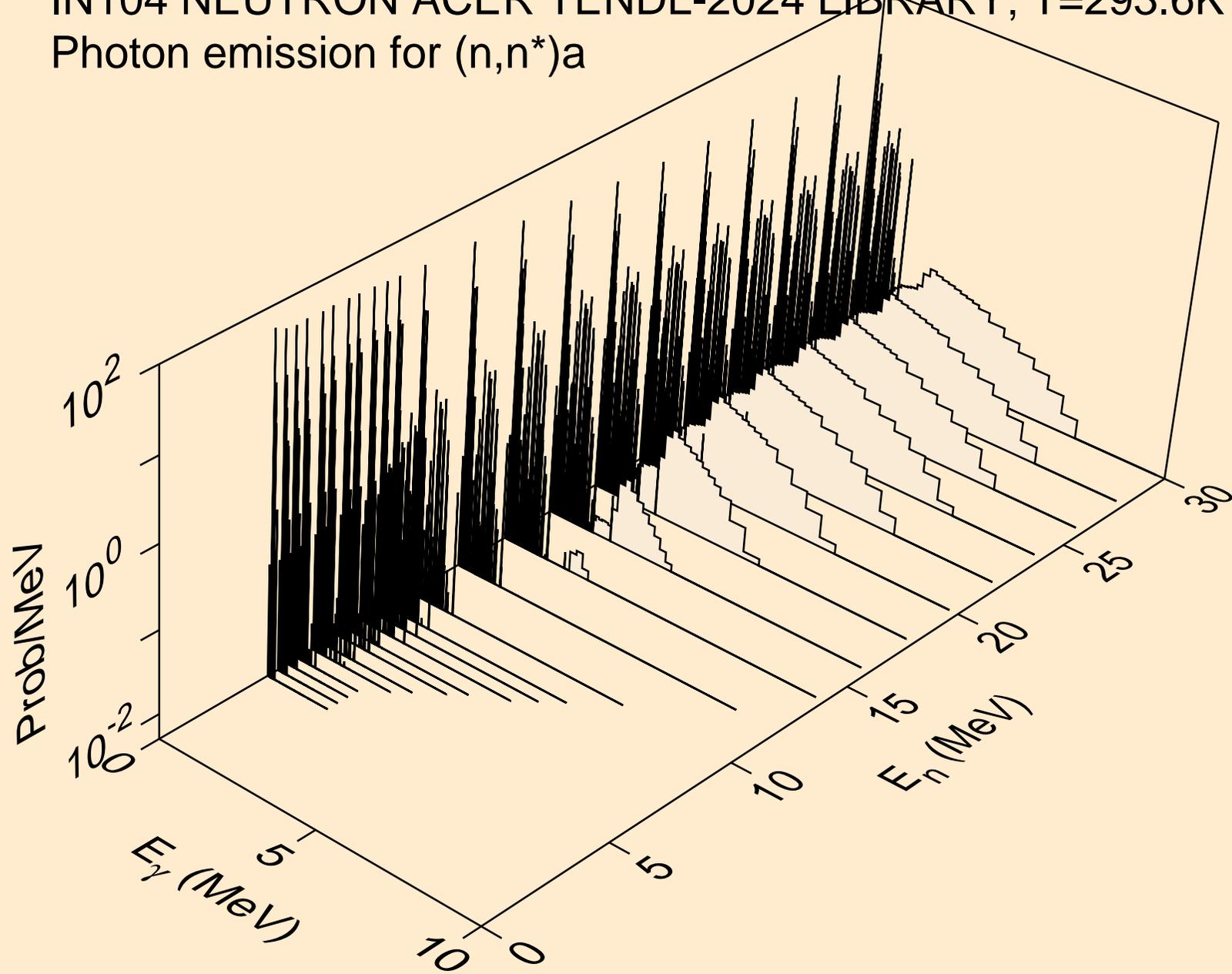
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Photon emission for (n,2n)



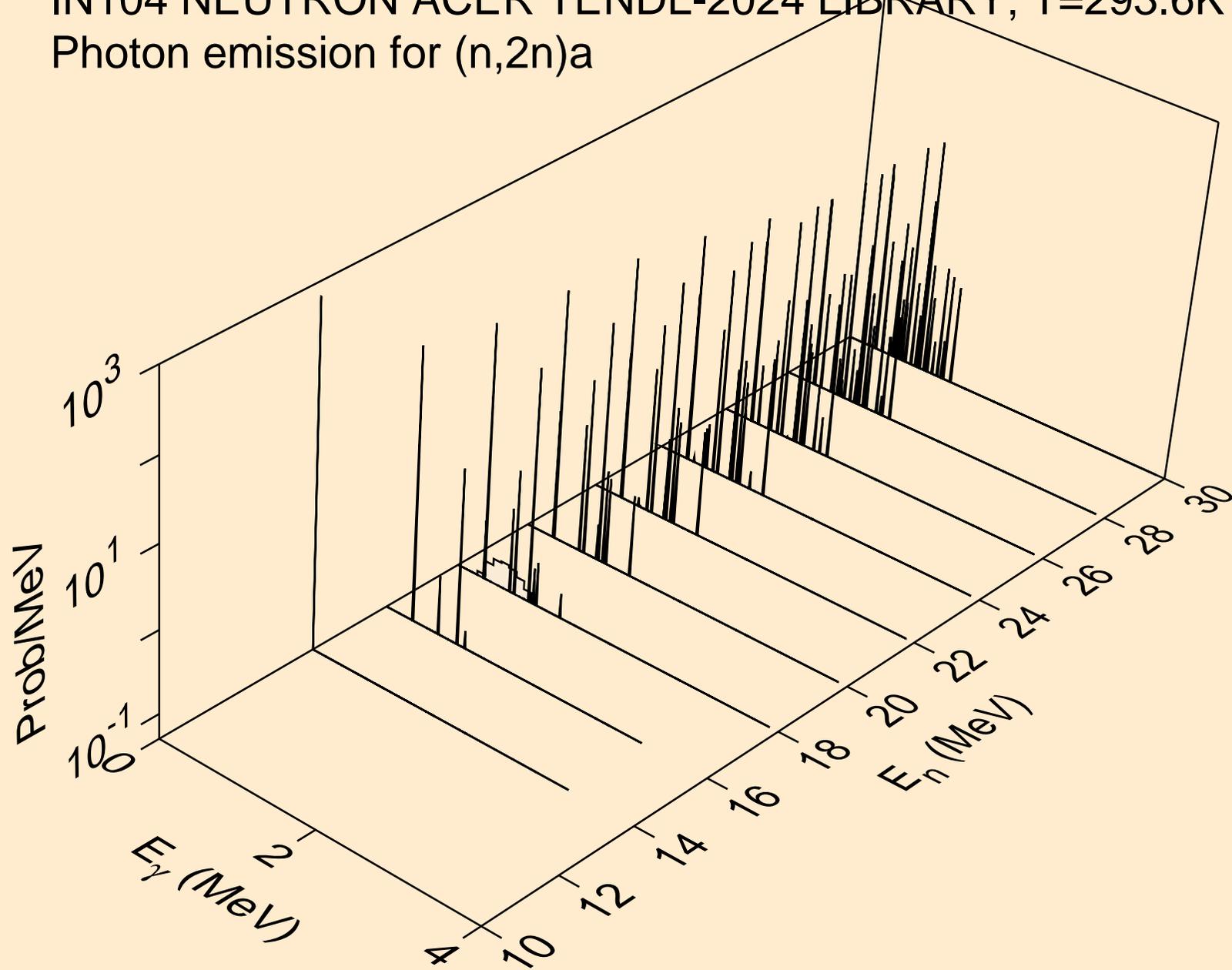
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3n)



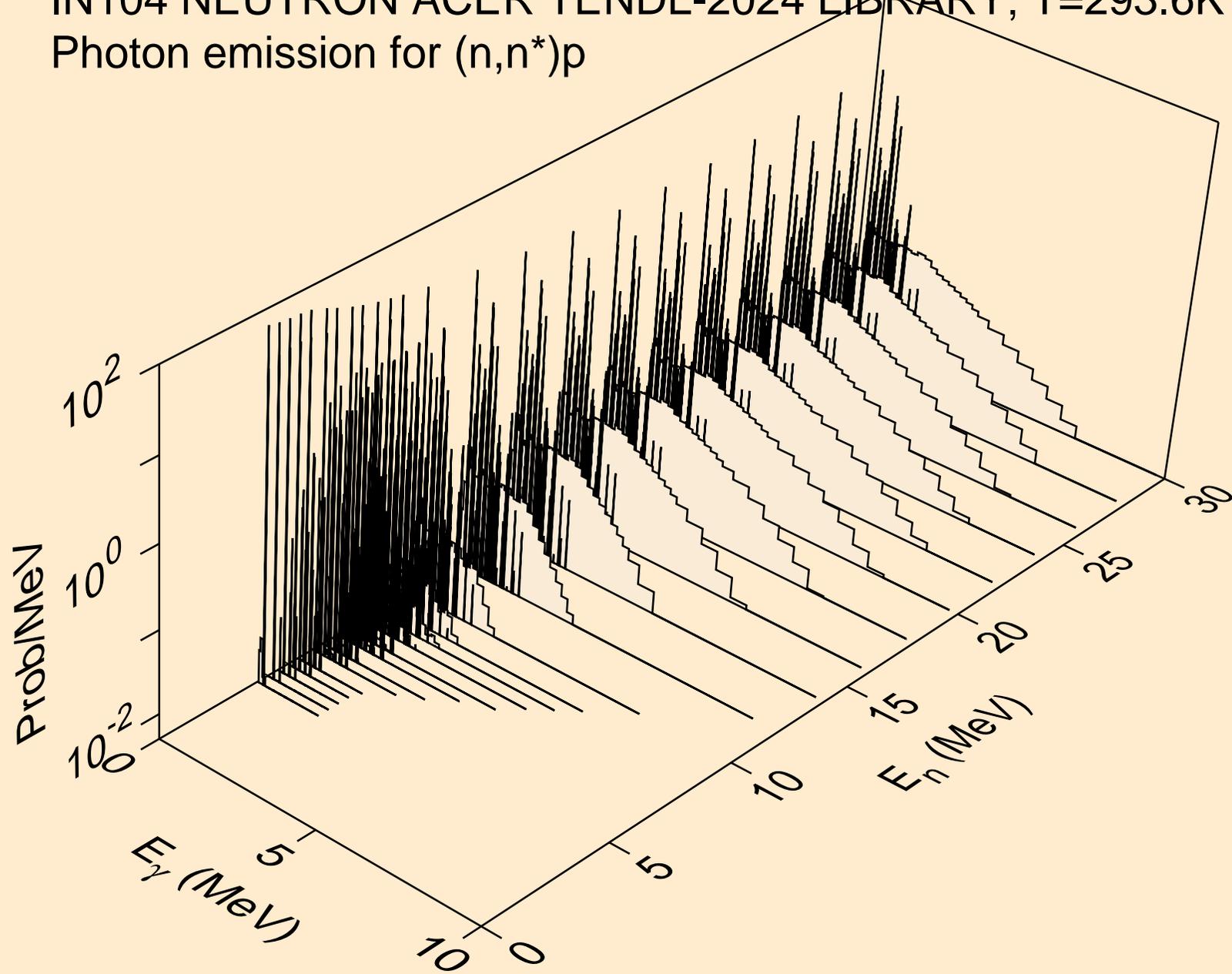
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)a



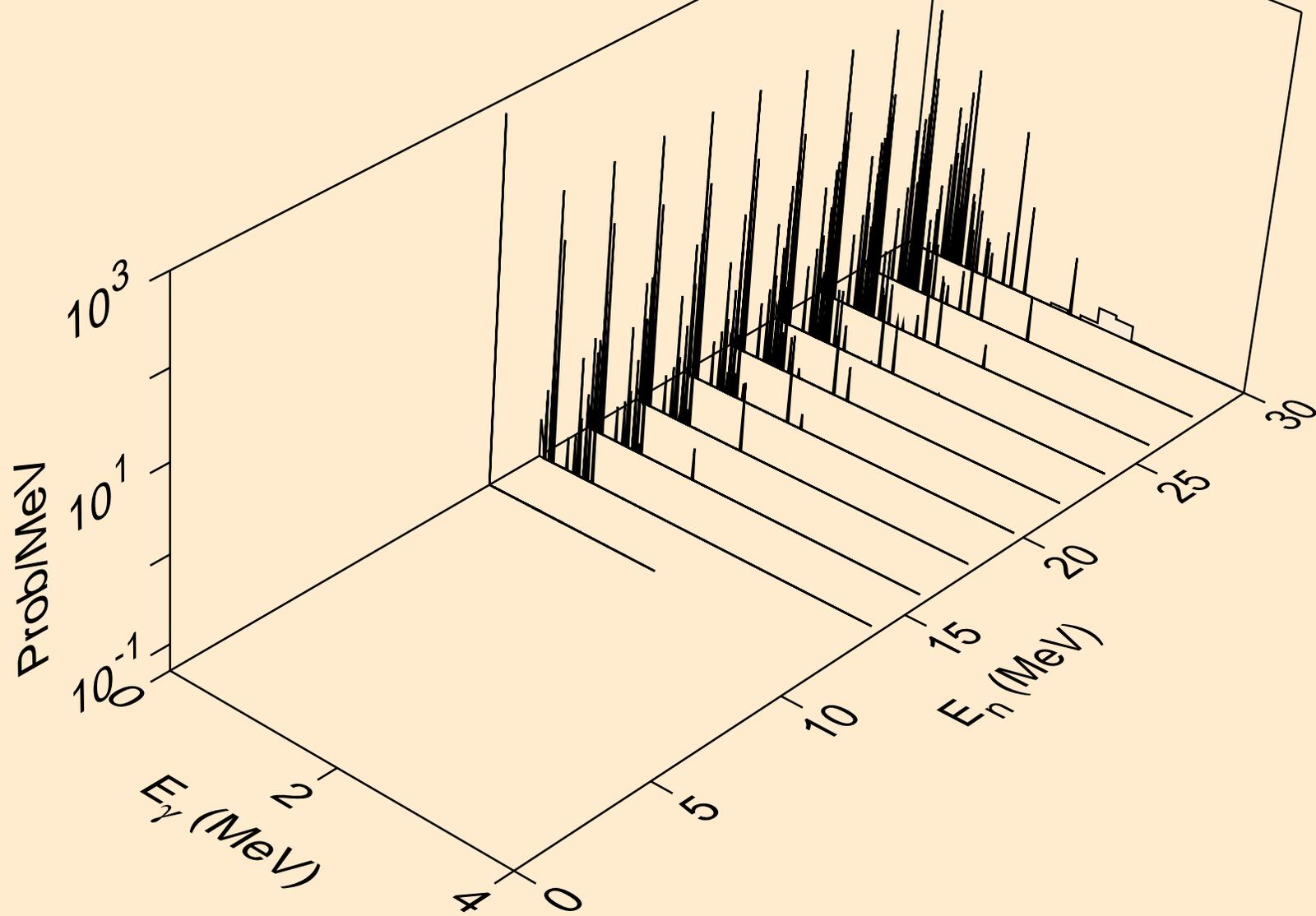
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Photon emission for (n,2n)a



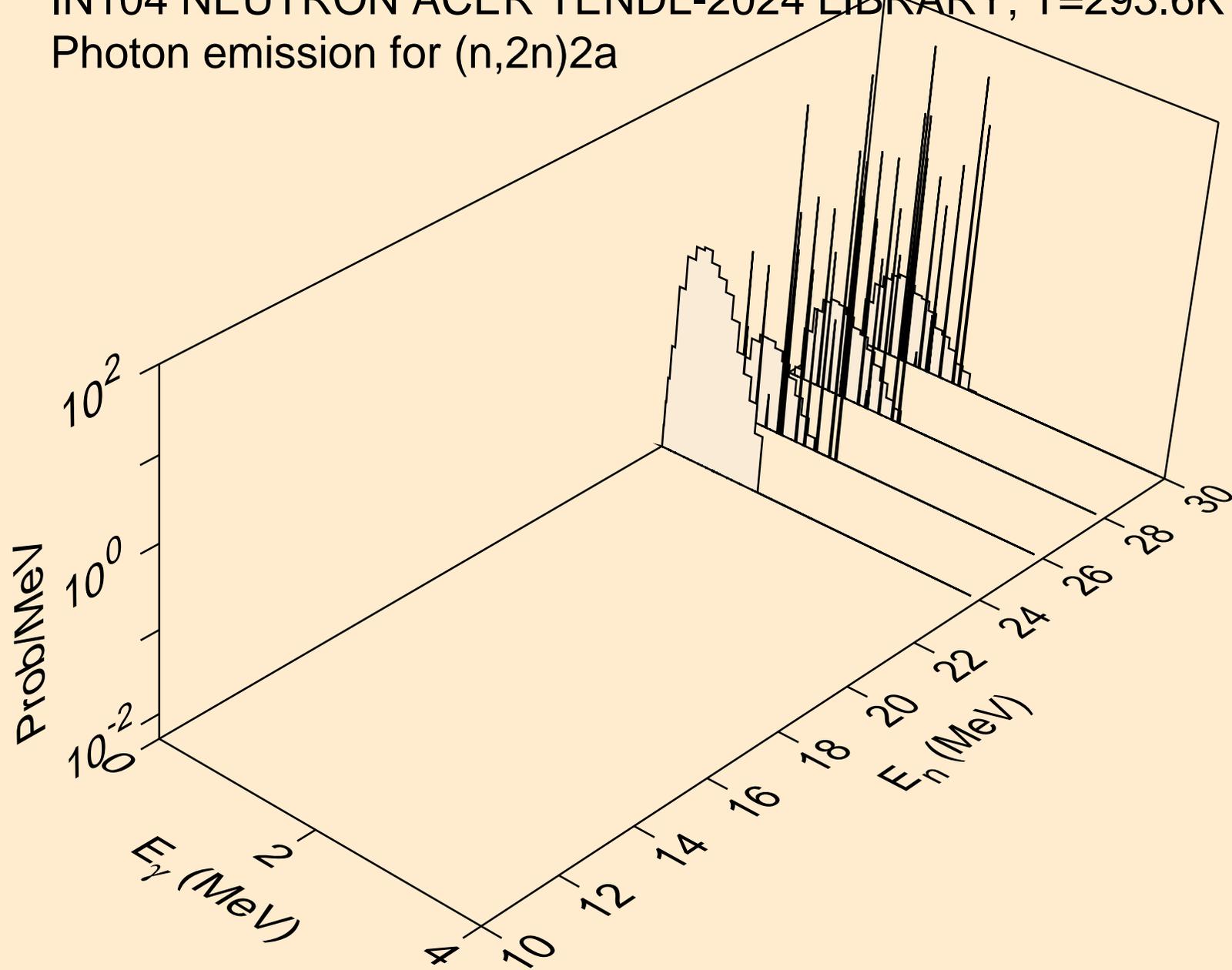
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)p



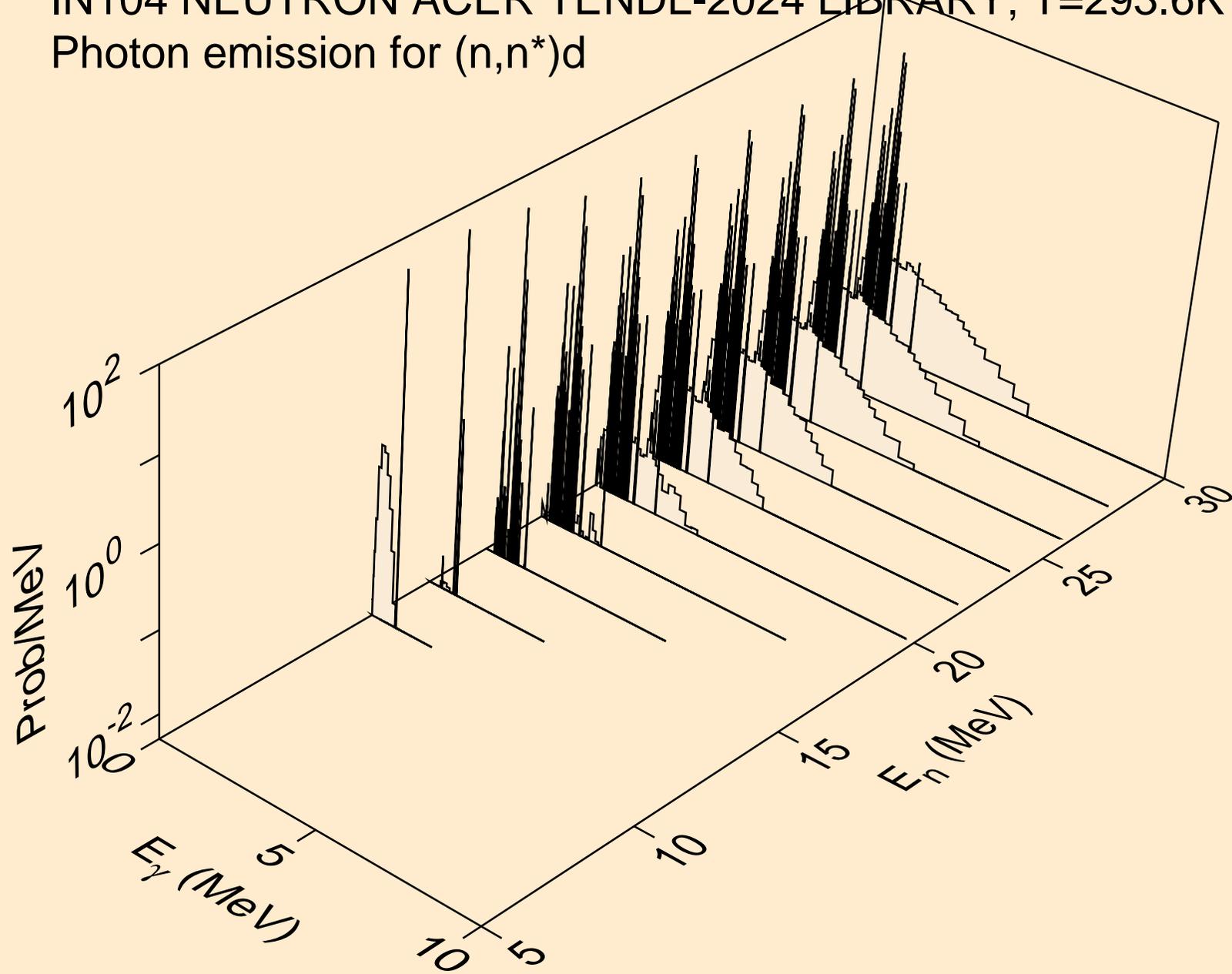
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)2a



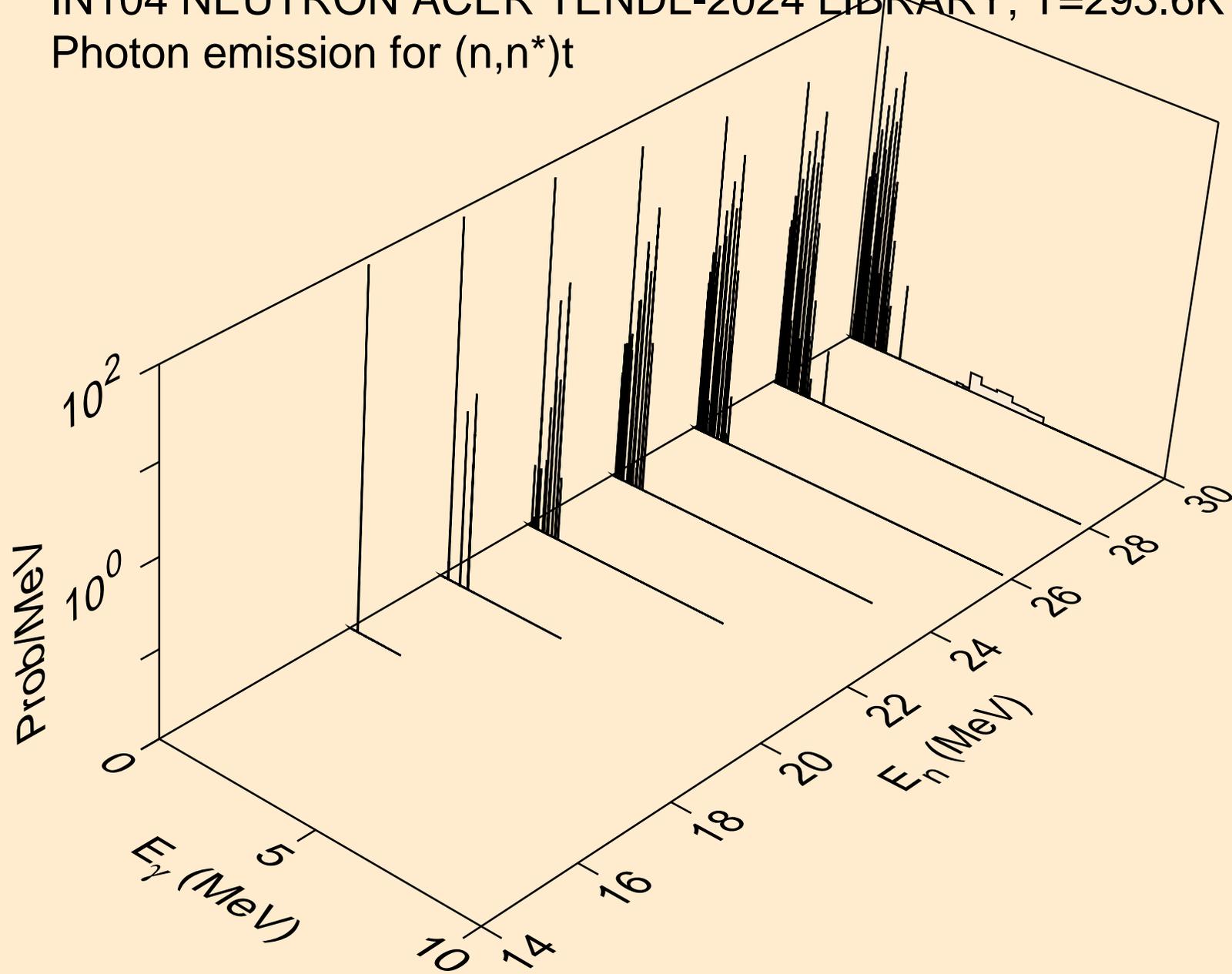
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2n)2a



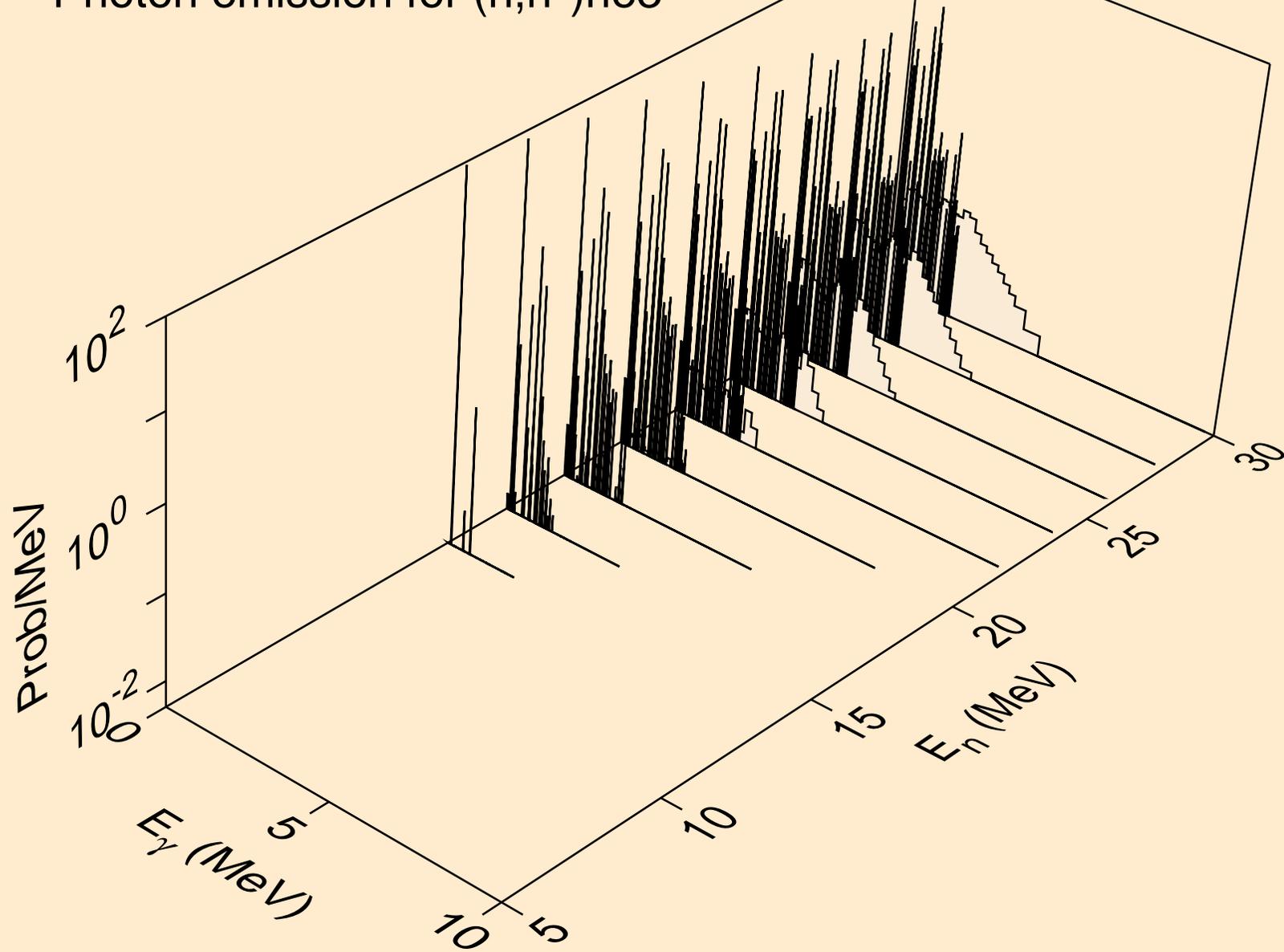
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)d



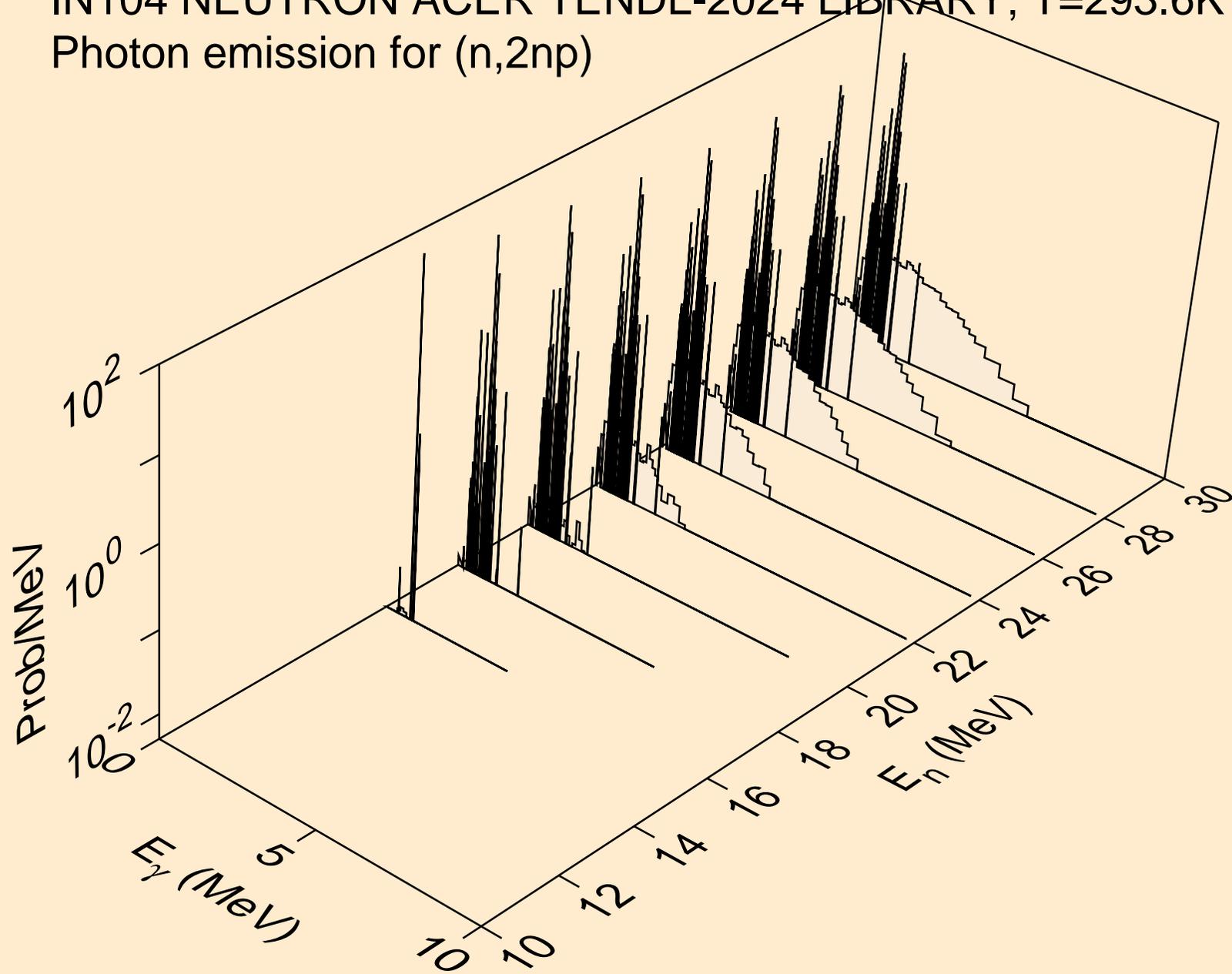
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)t



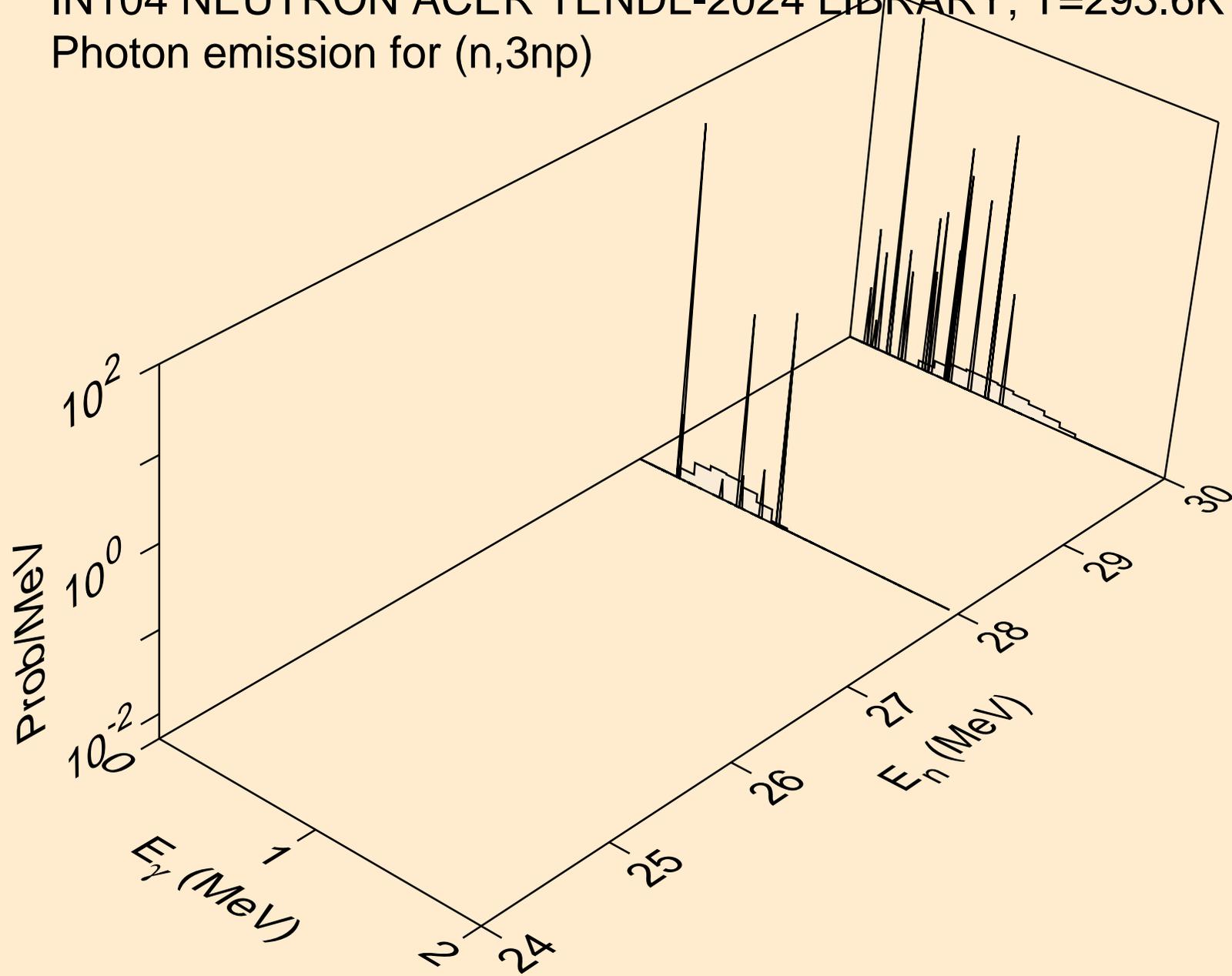
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*)he3



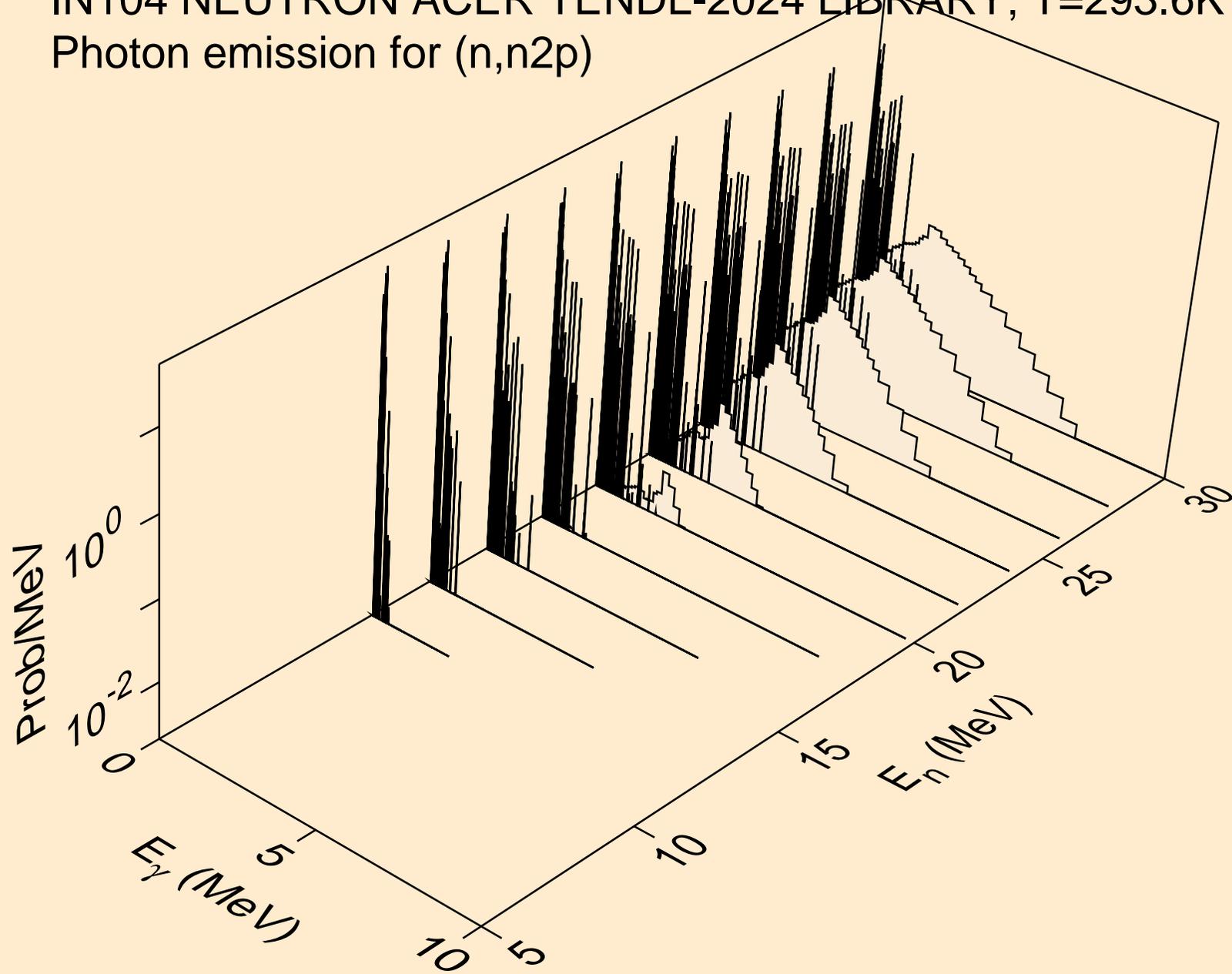
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2np)



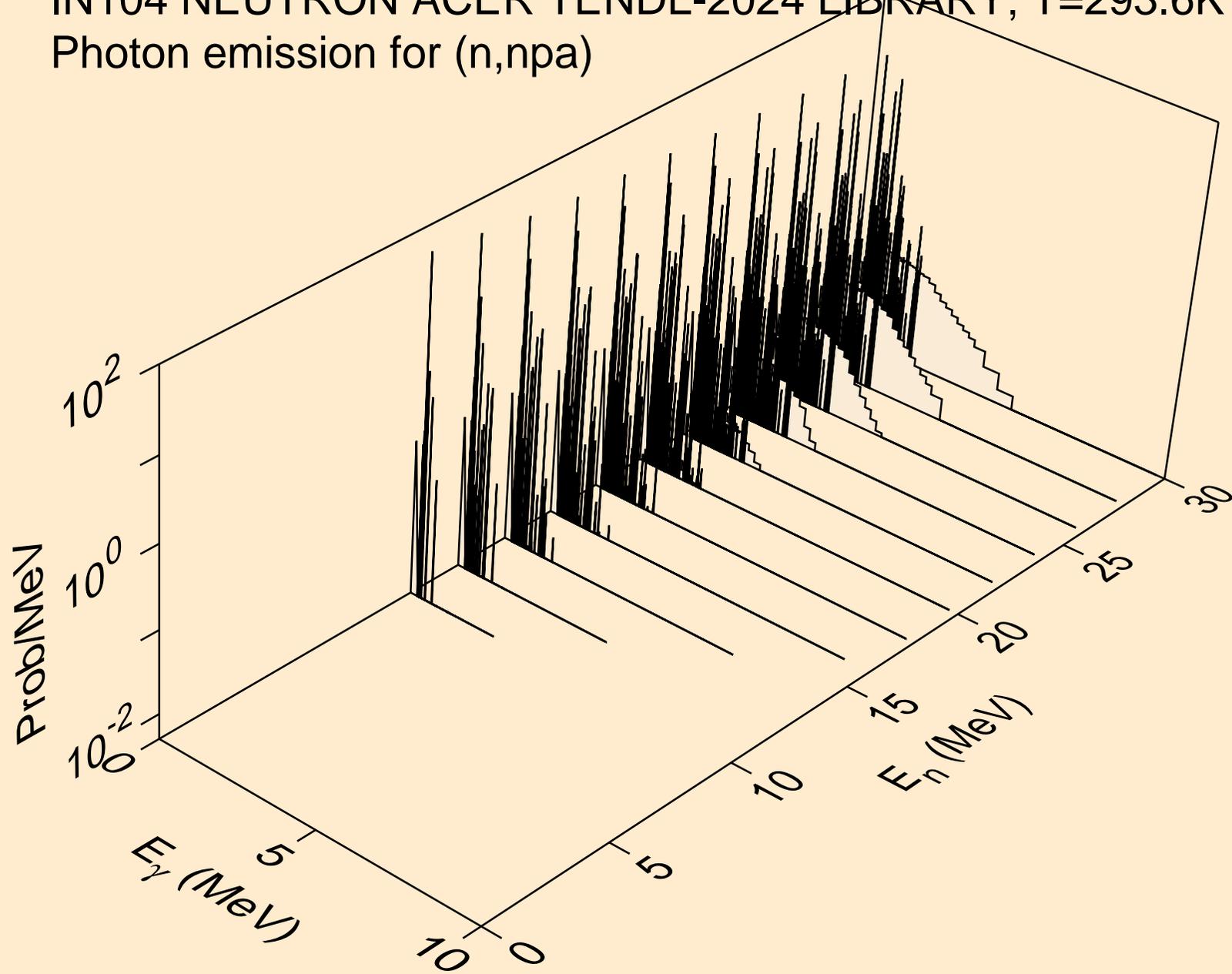
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3np)



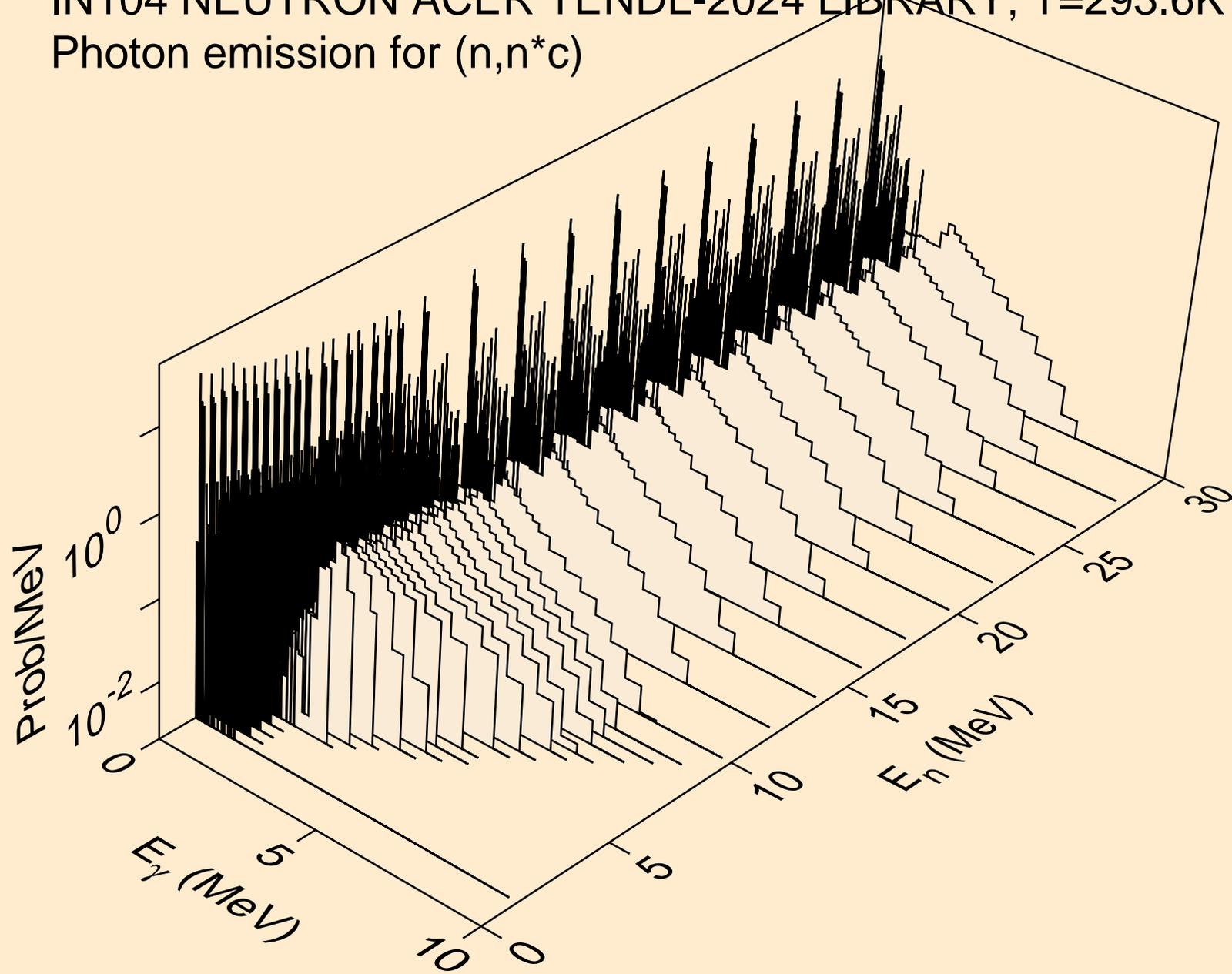
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n2p)



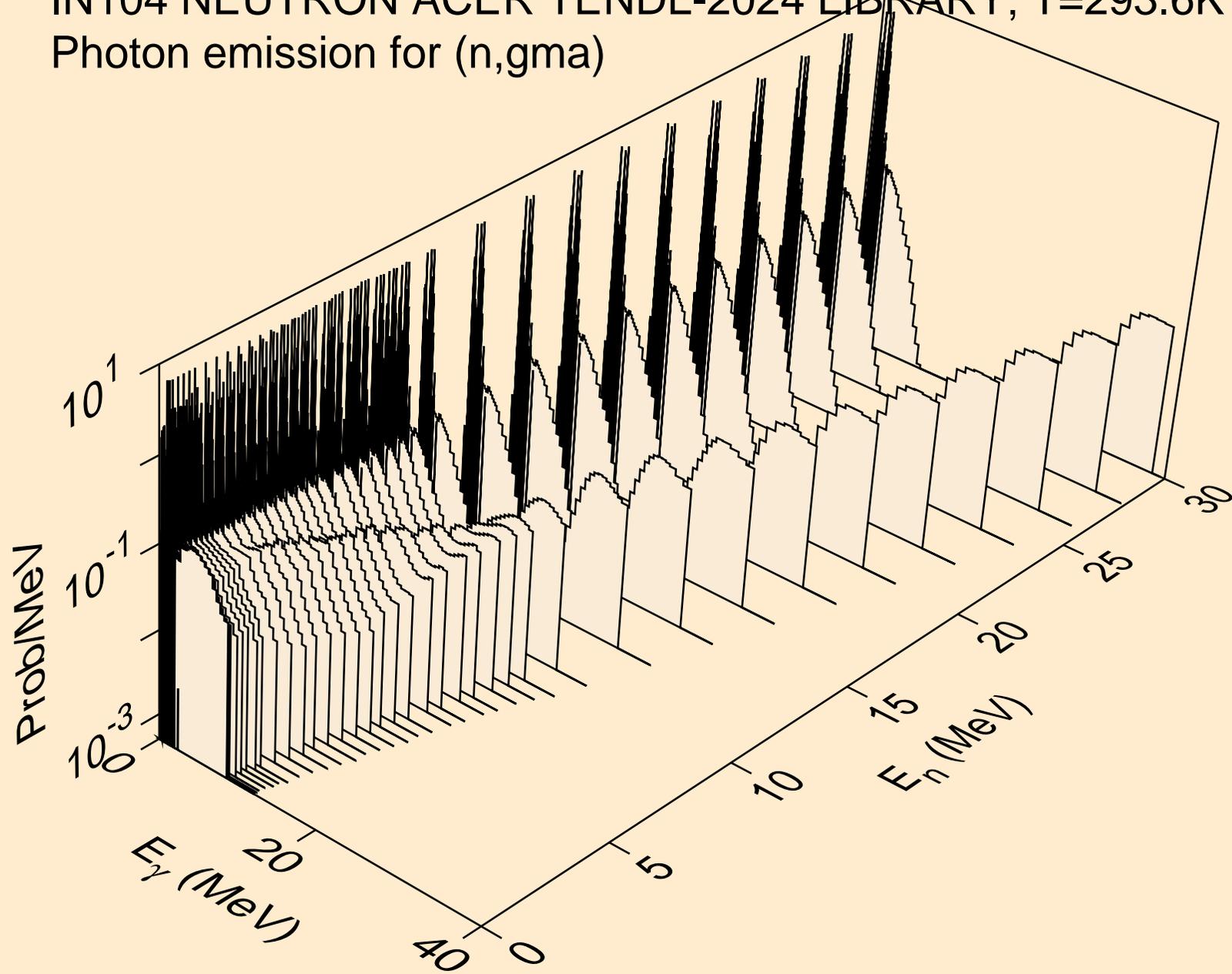
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,npa)



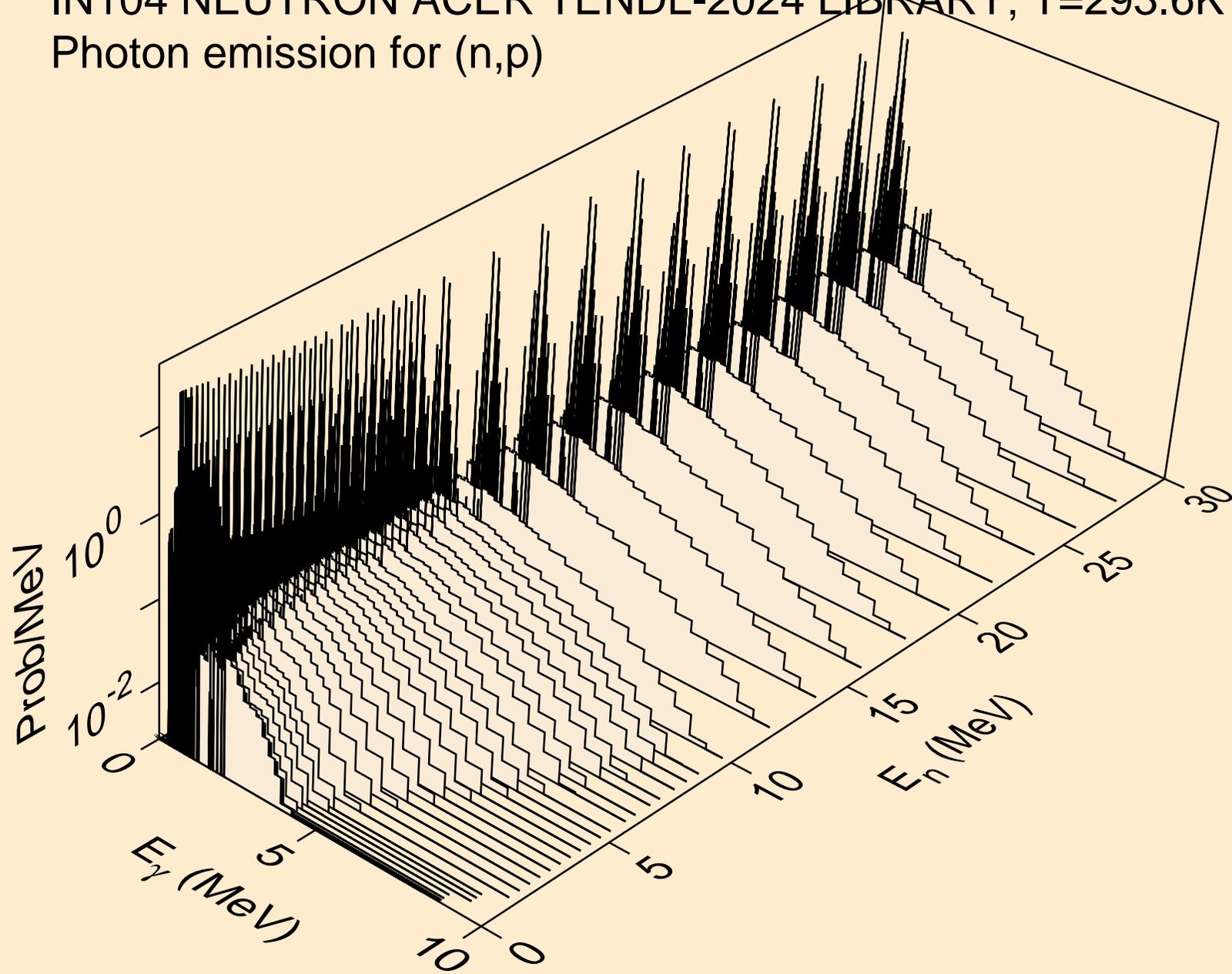
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,n\*c)



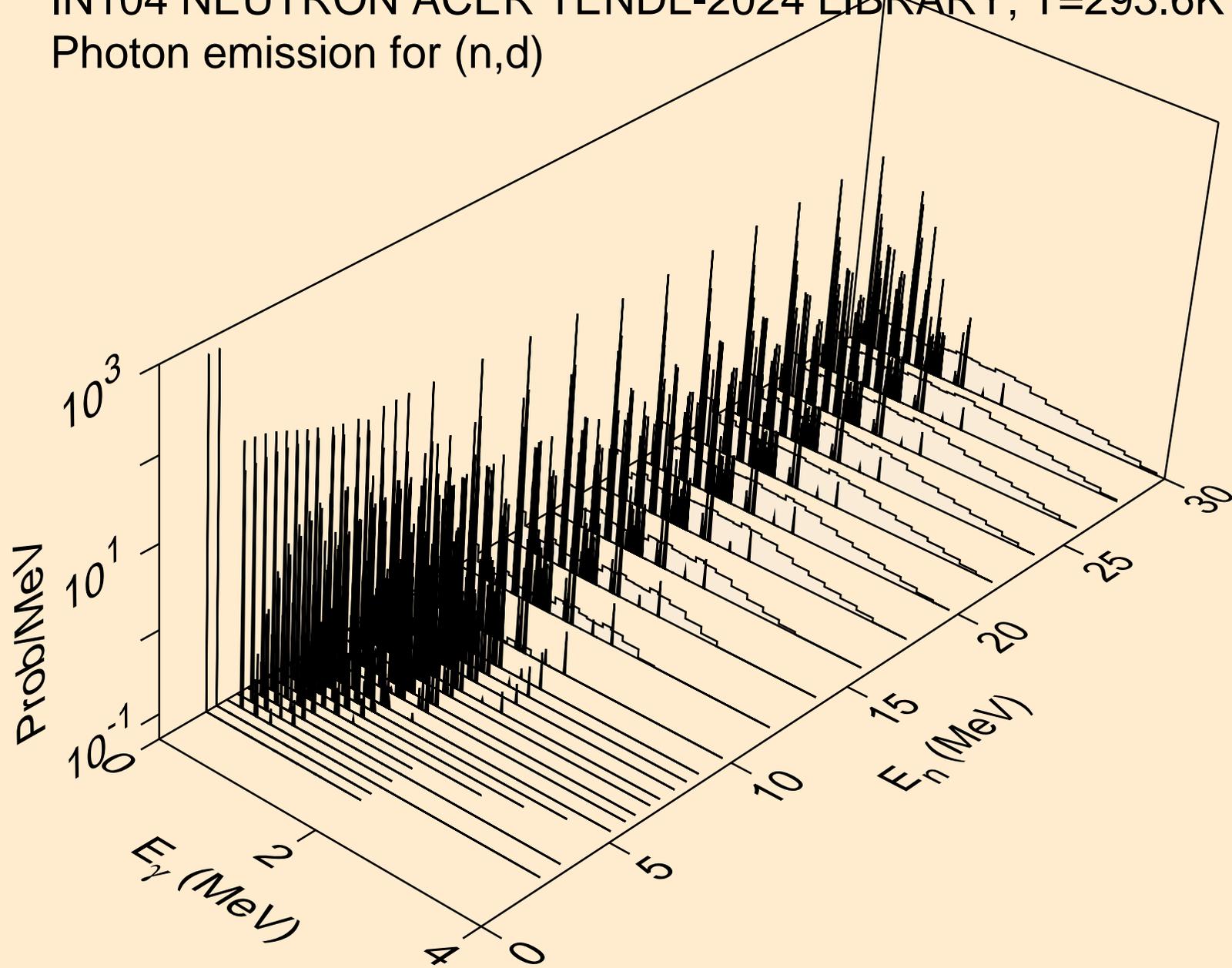
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,gma)



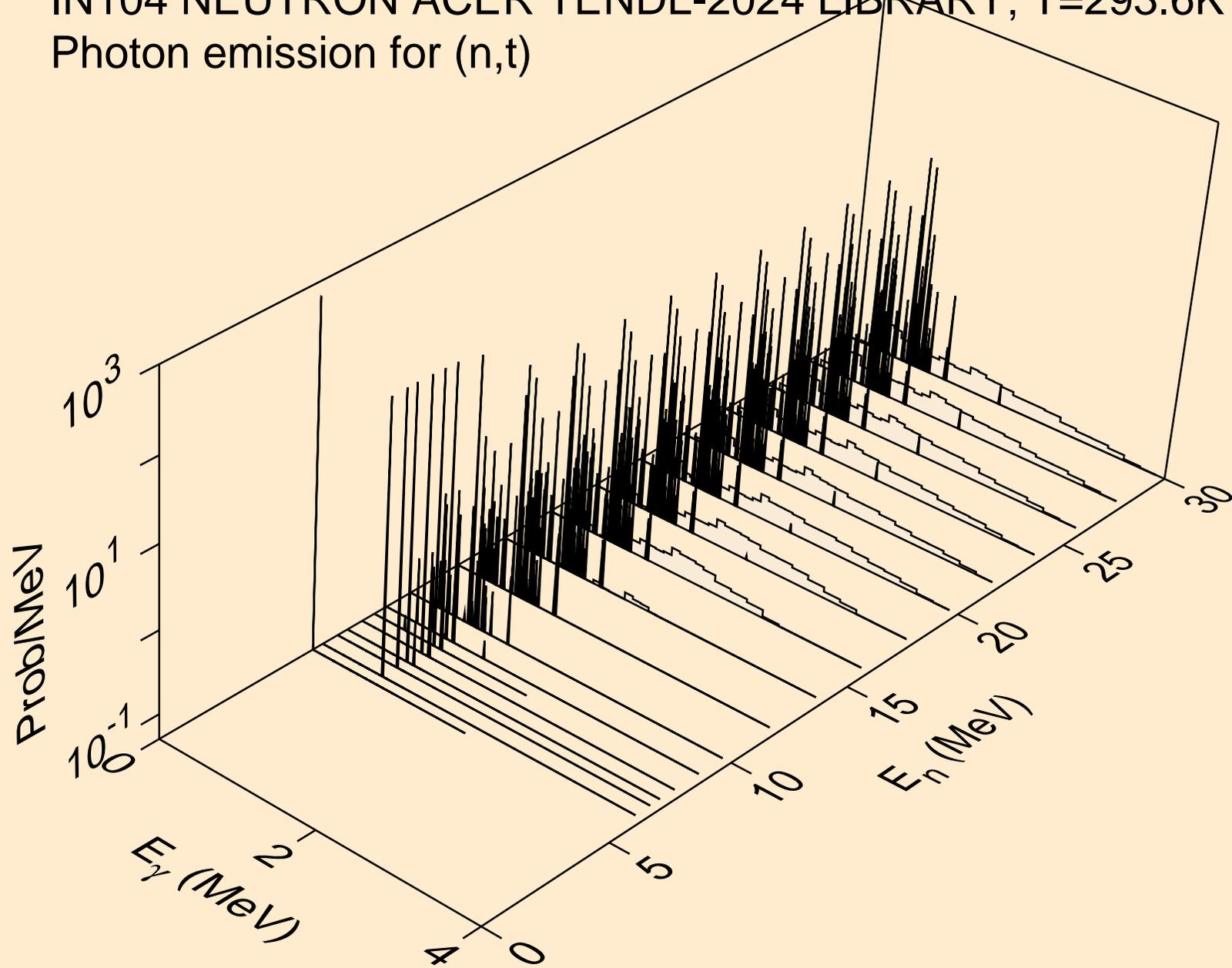
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,p)



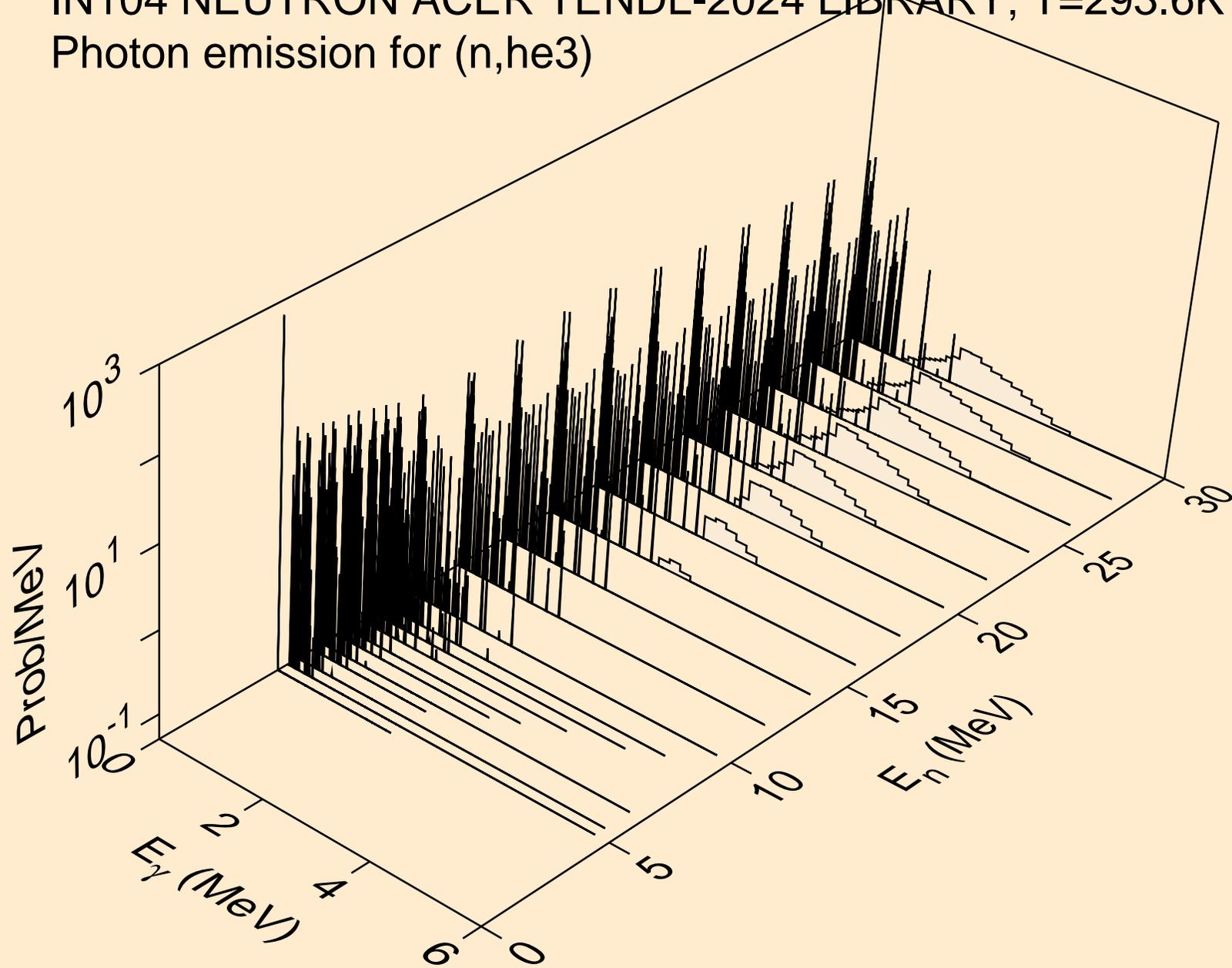
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Photon emission for (n,d)



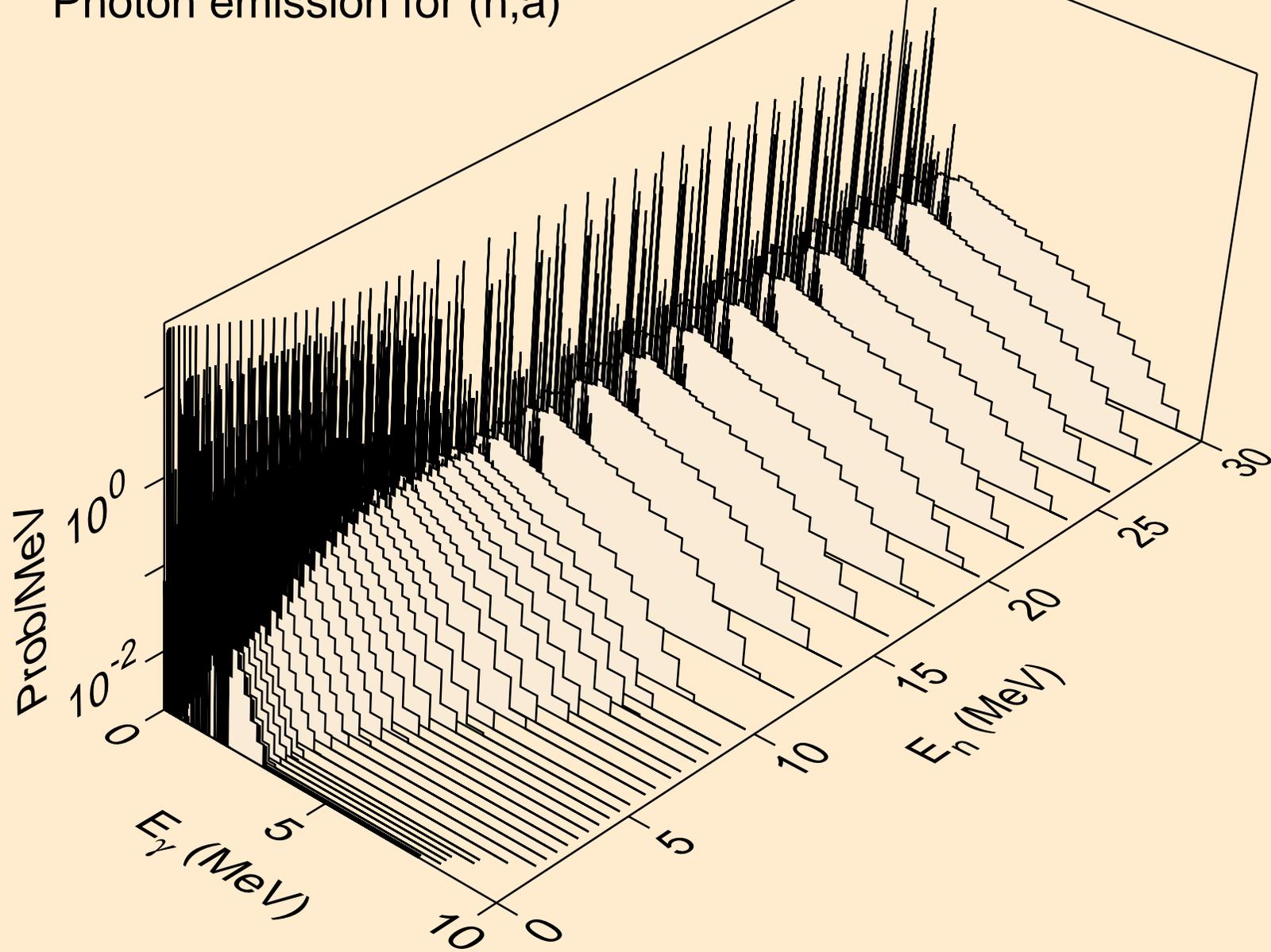
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Photon emission for (n,t)



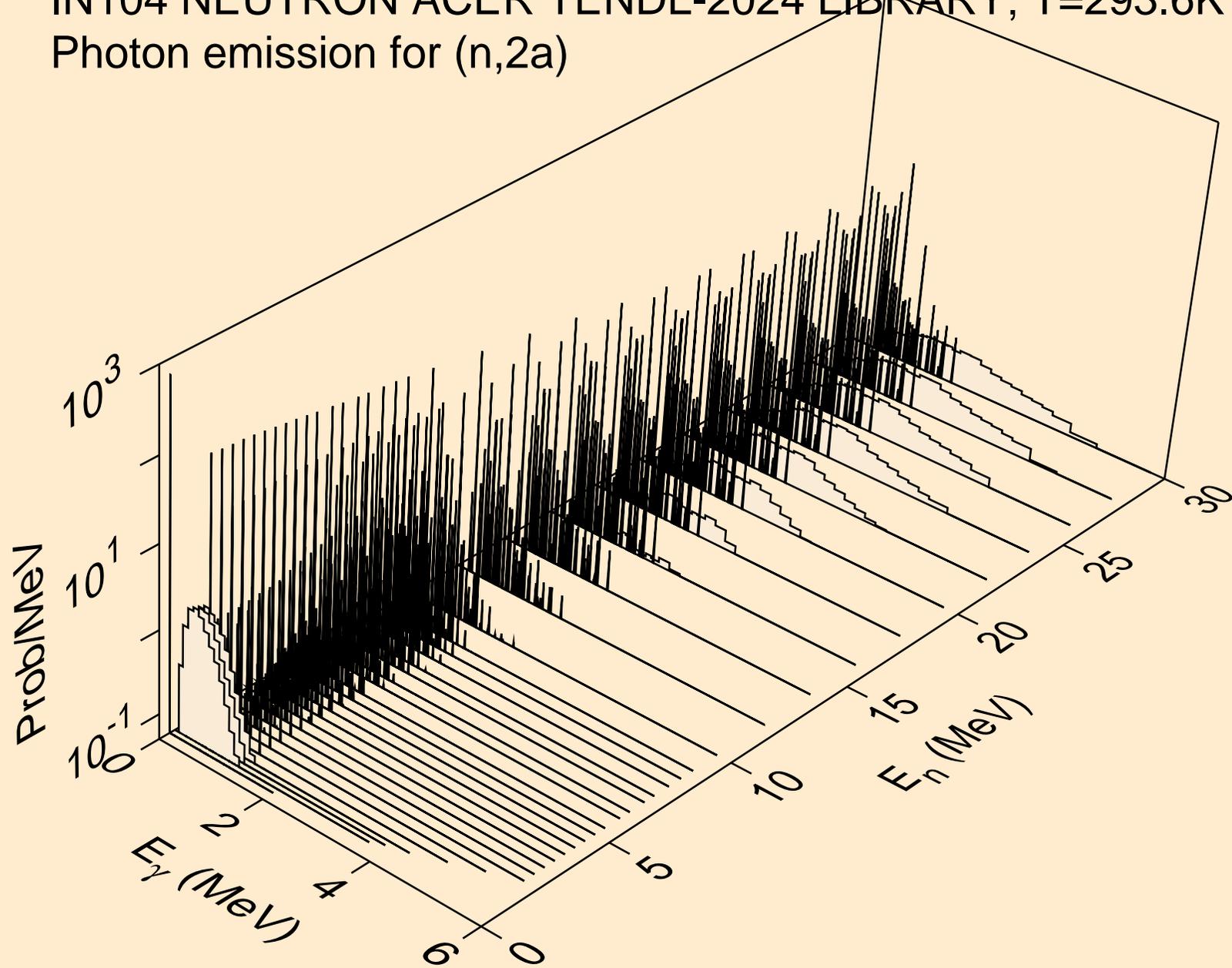
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,he3)



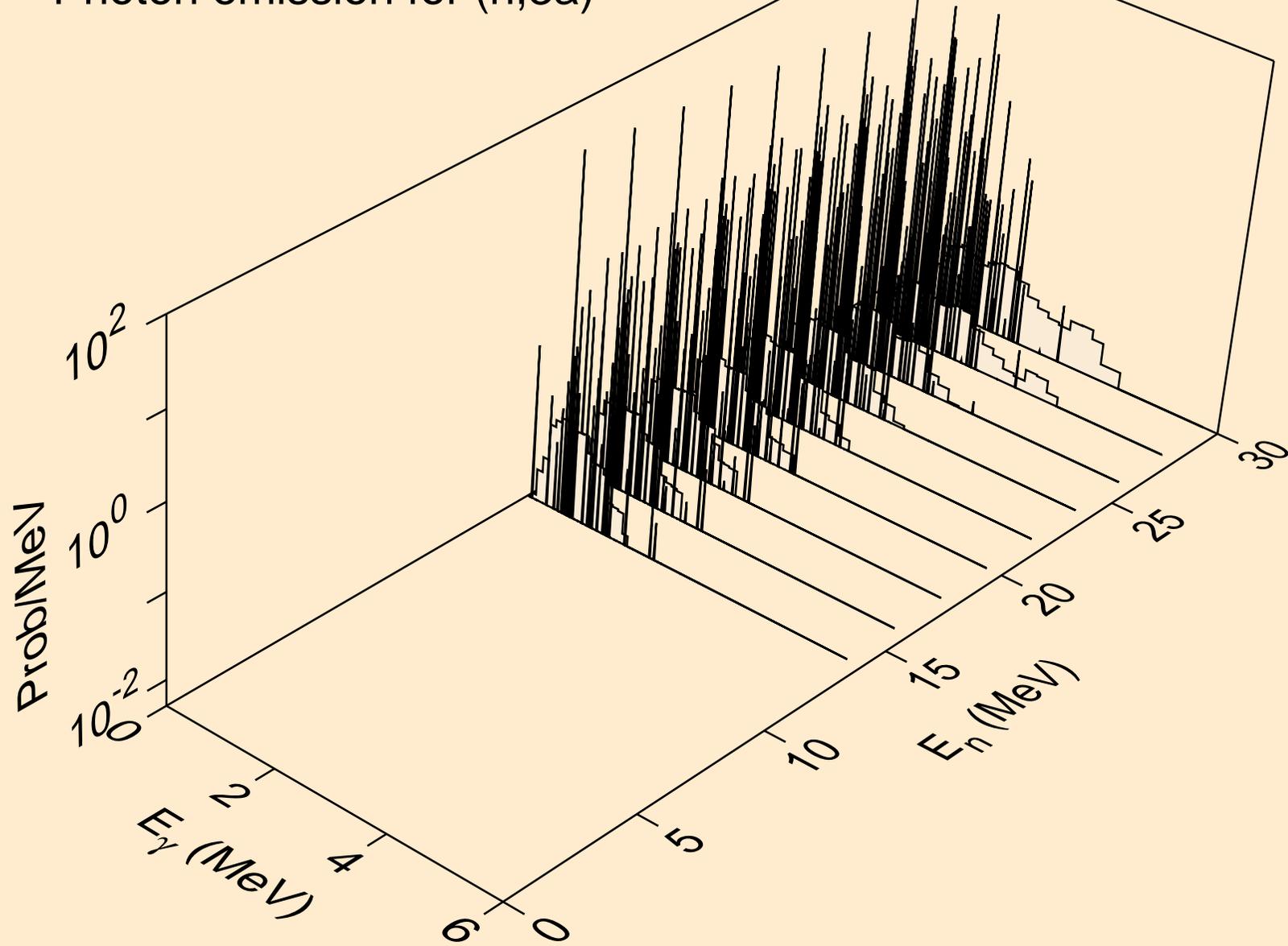
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,a)



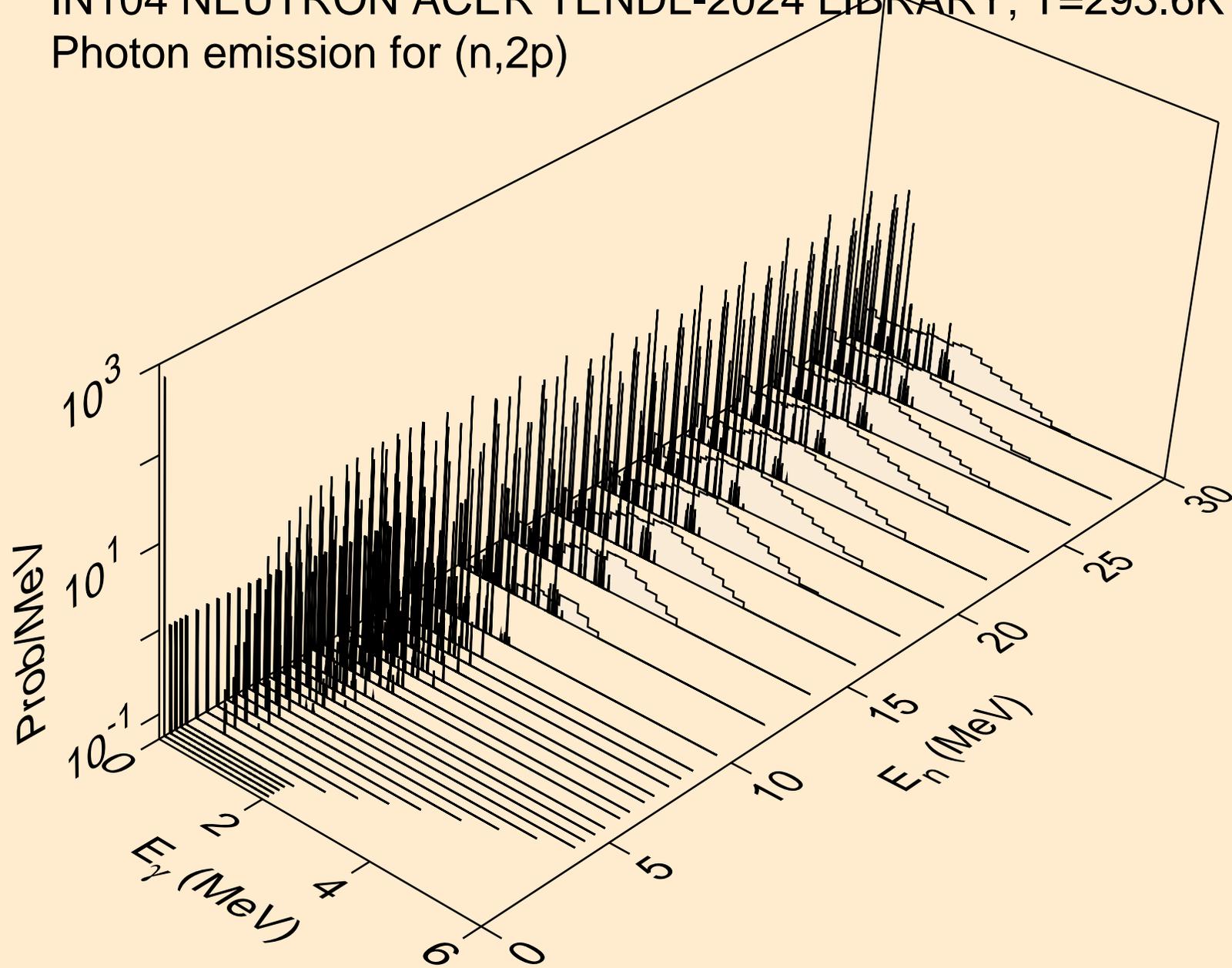
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2a)



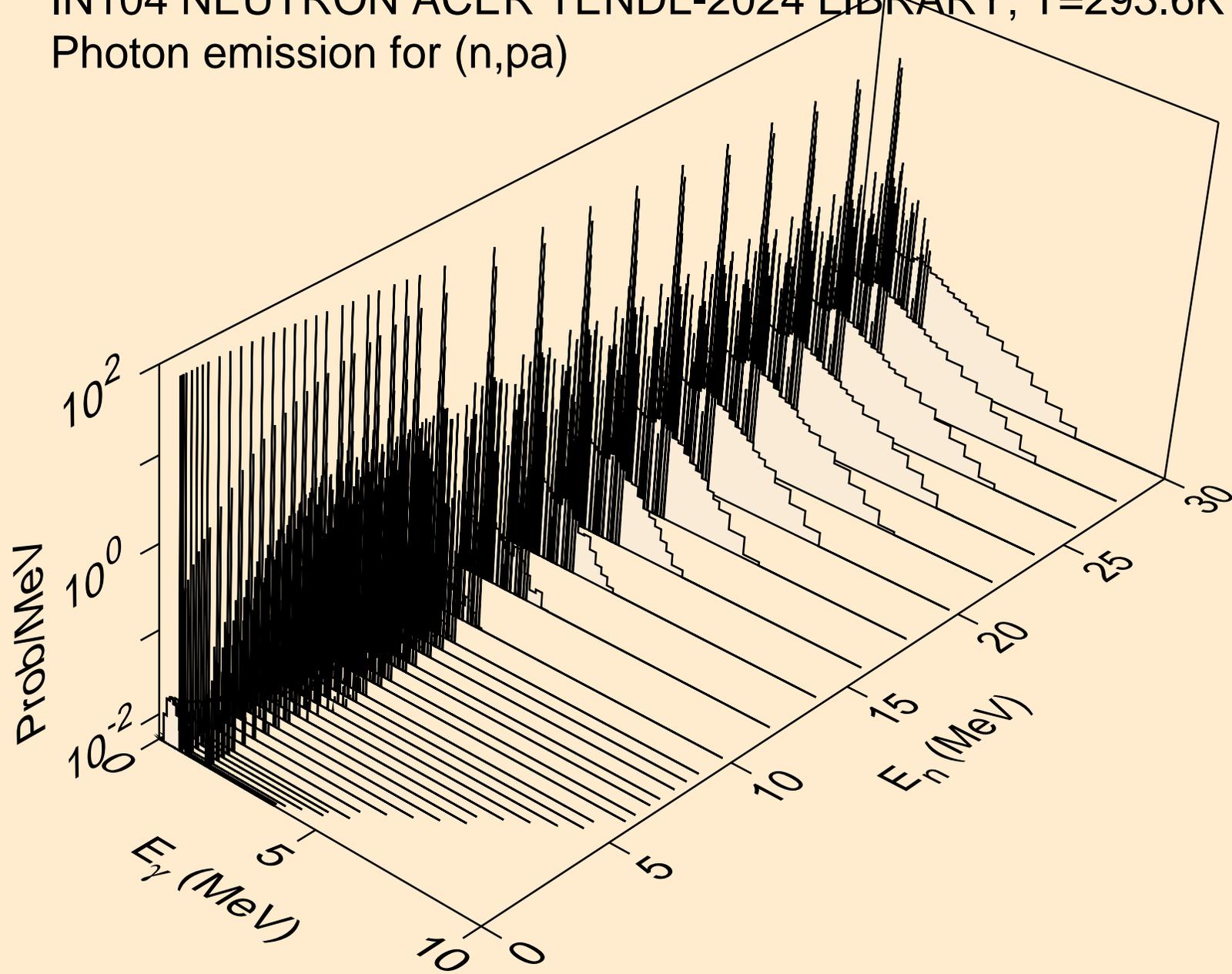
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,3a)



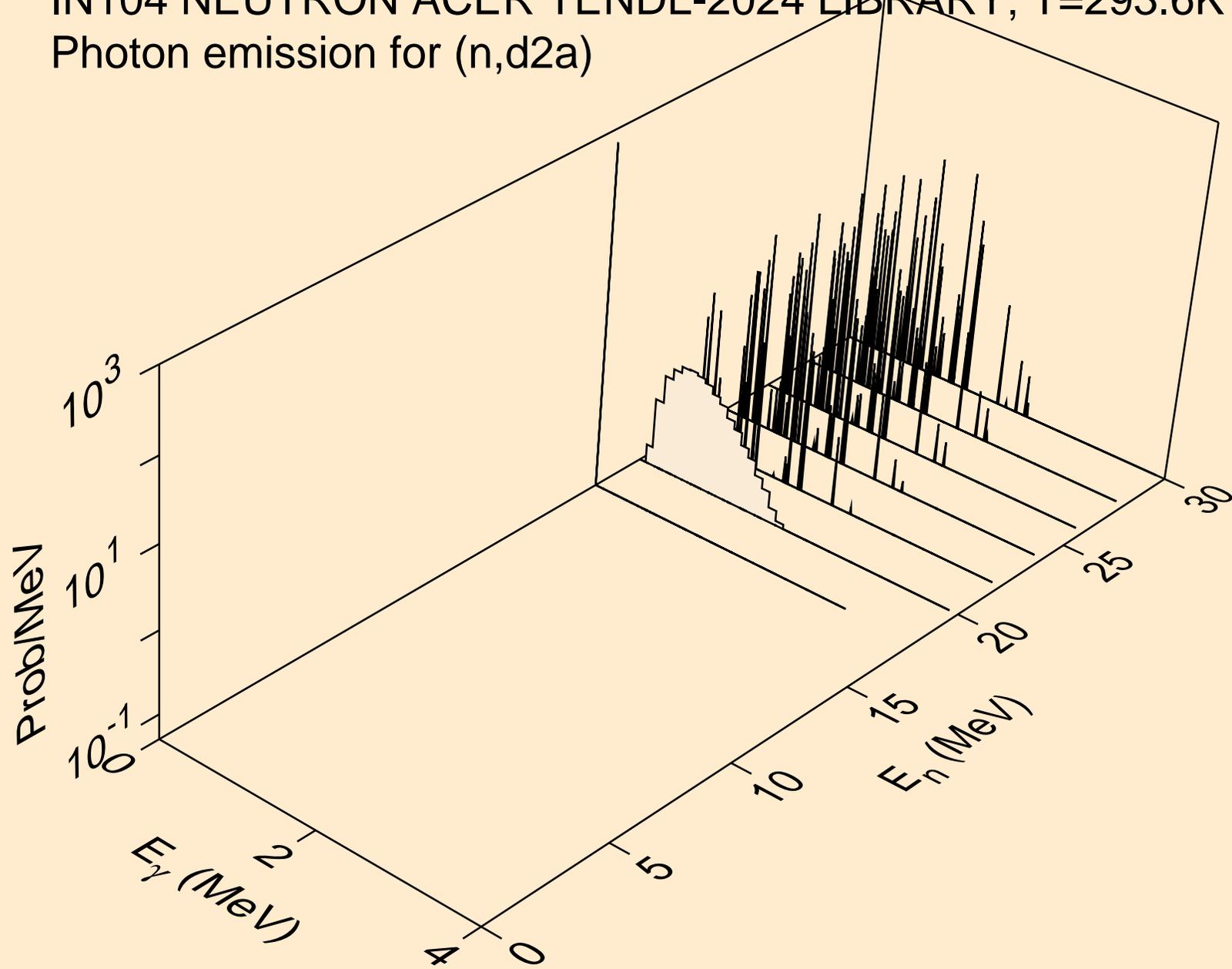
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,2p)



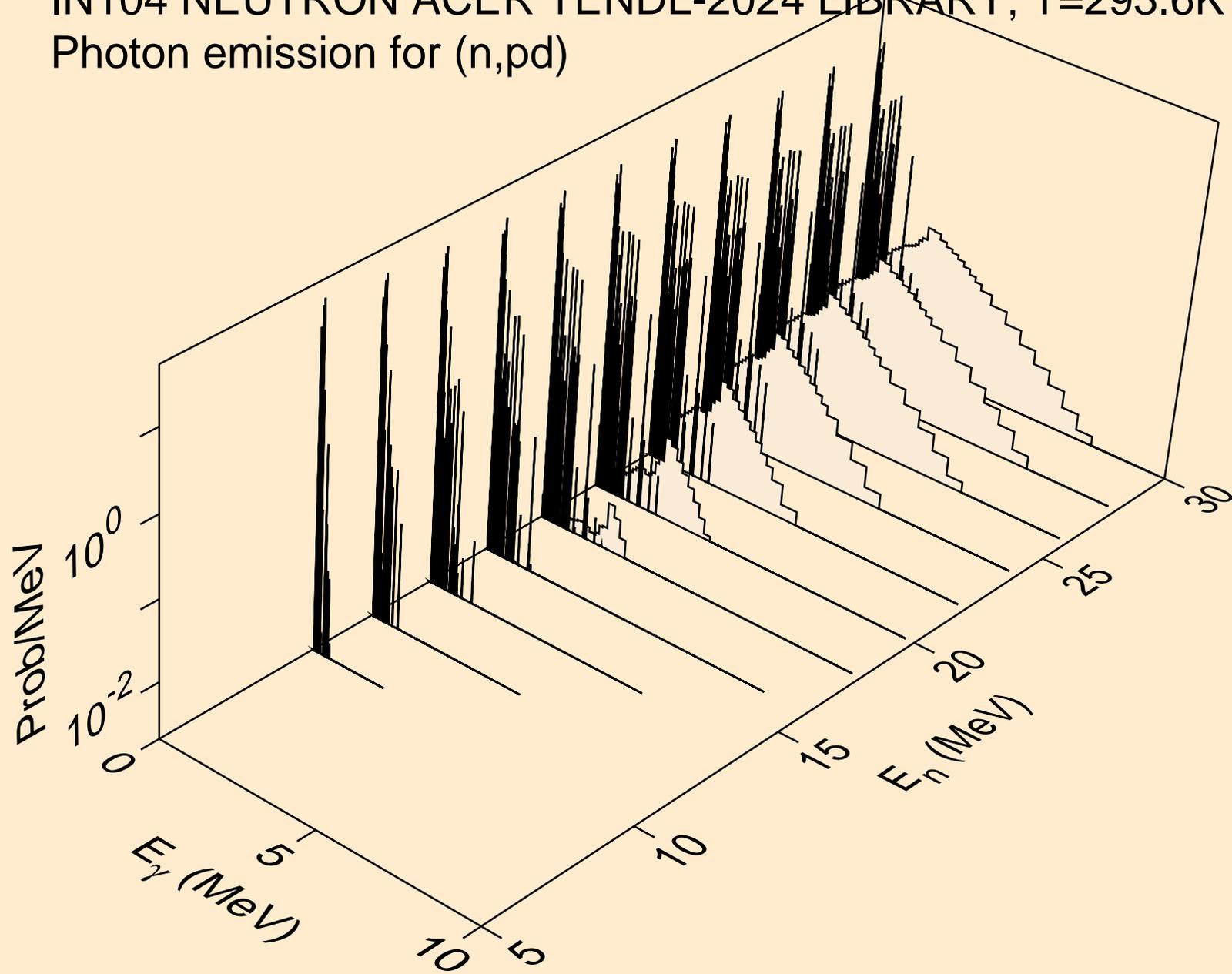
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Photon emission for (n,p)



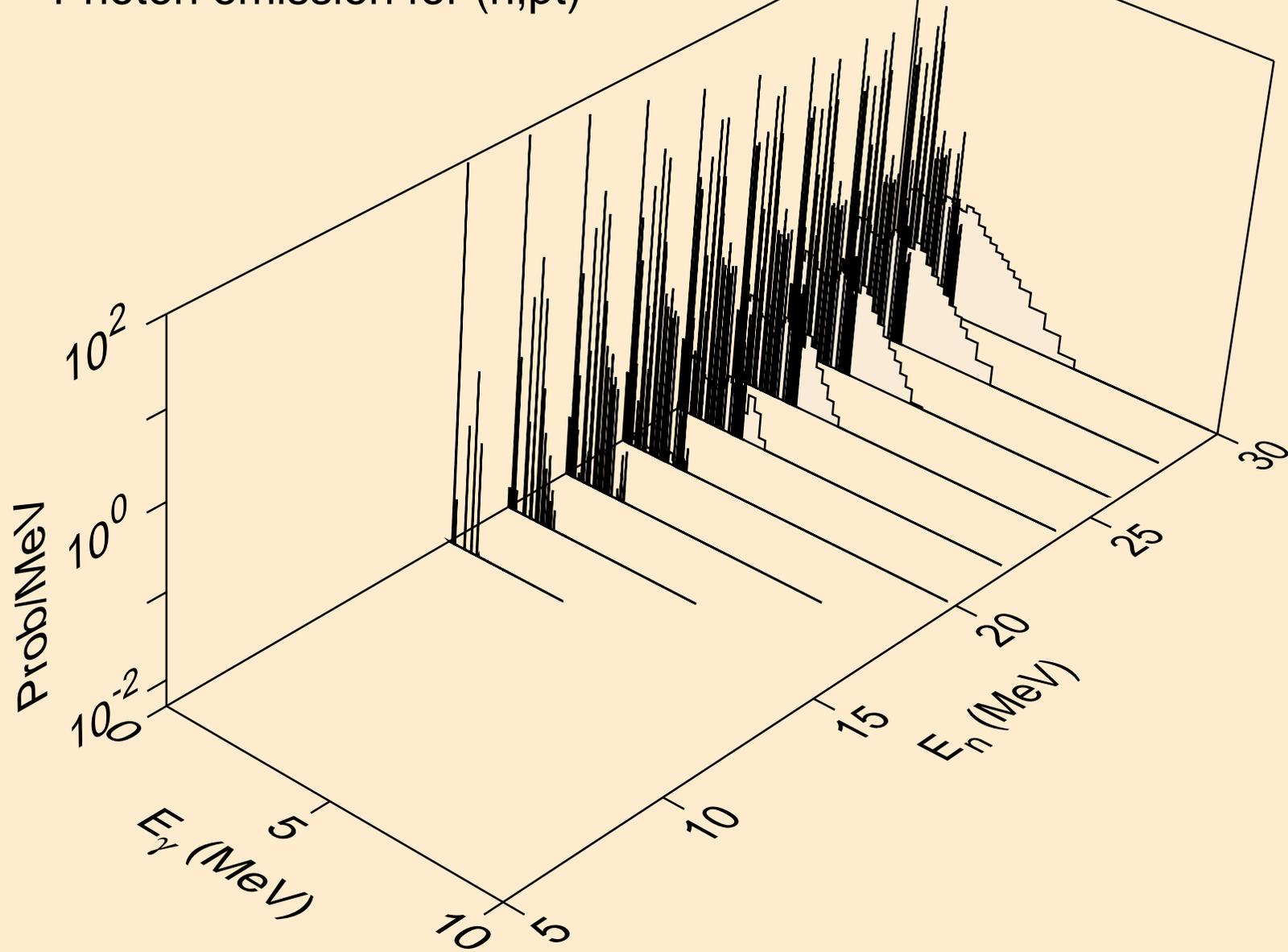
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,d2a)



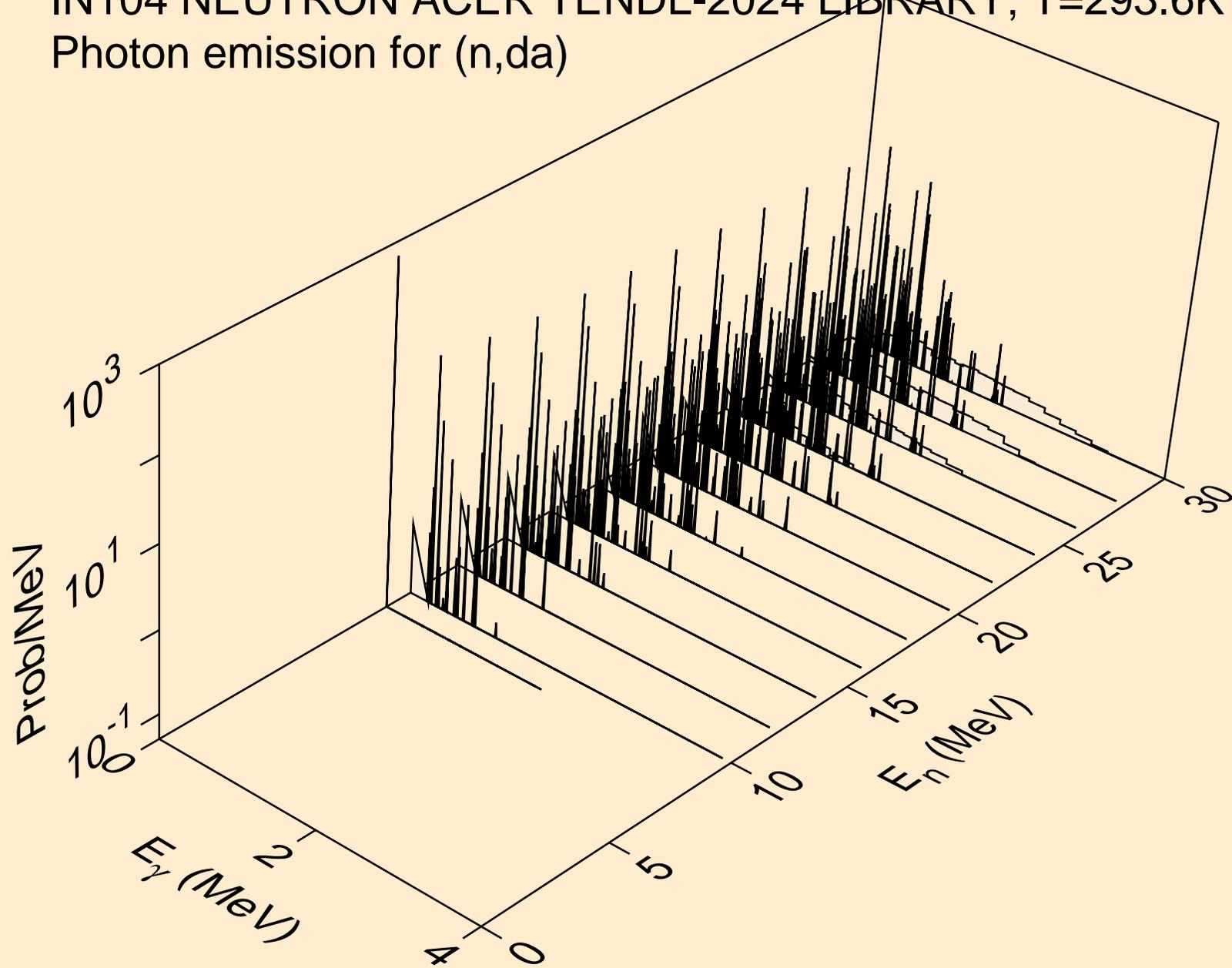
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pd)



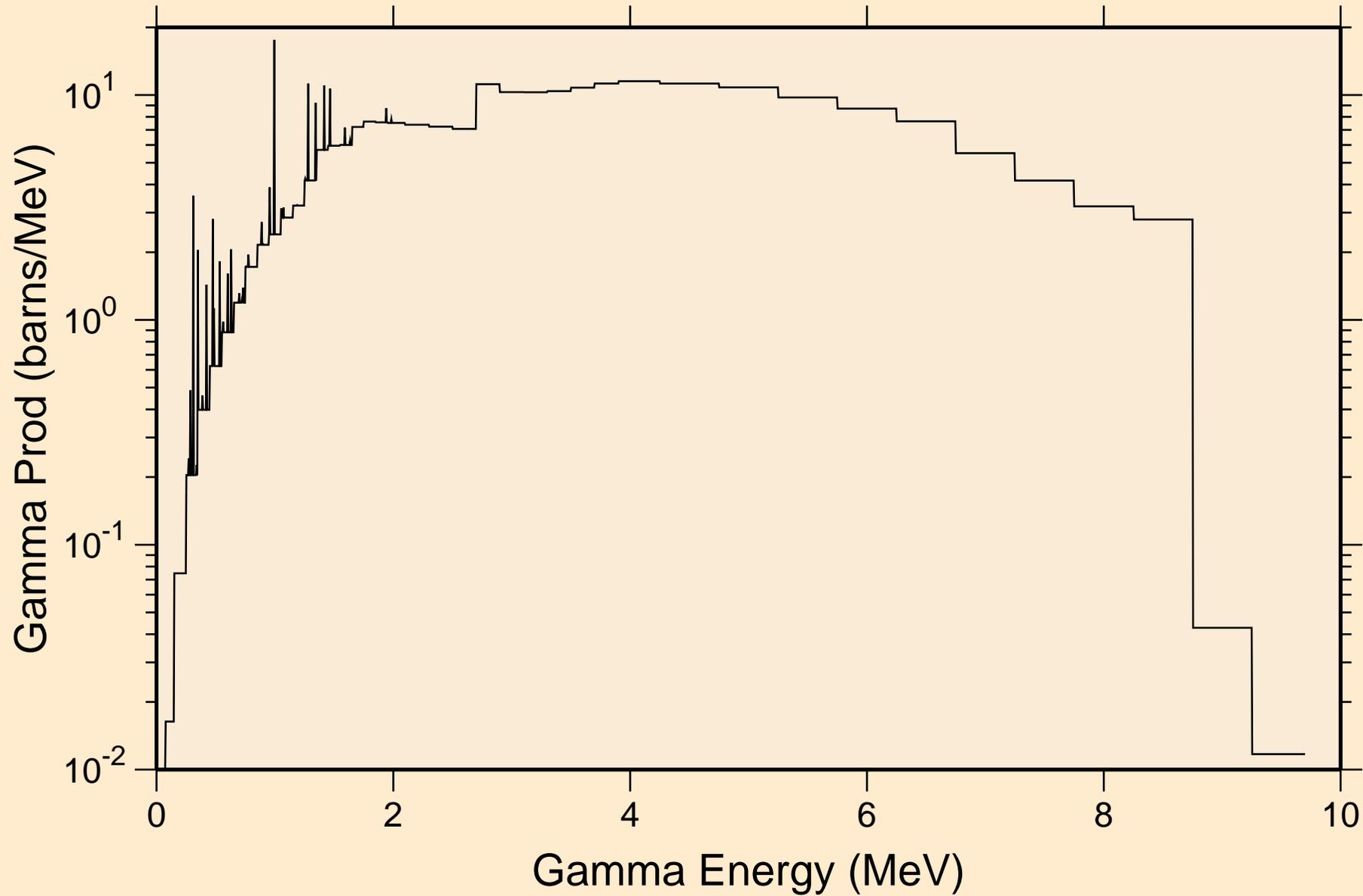
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,pt)



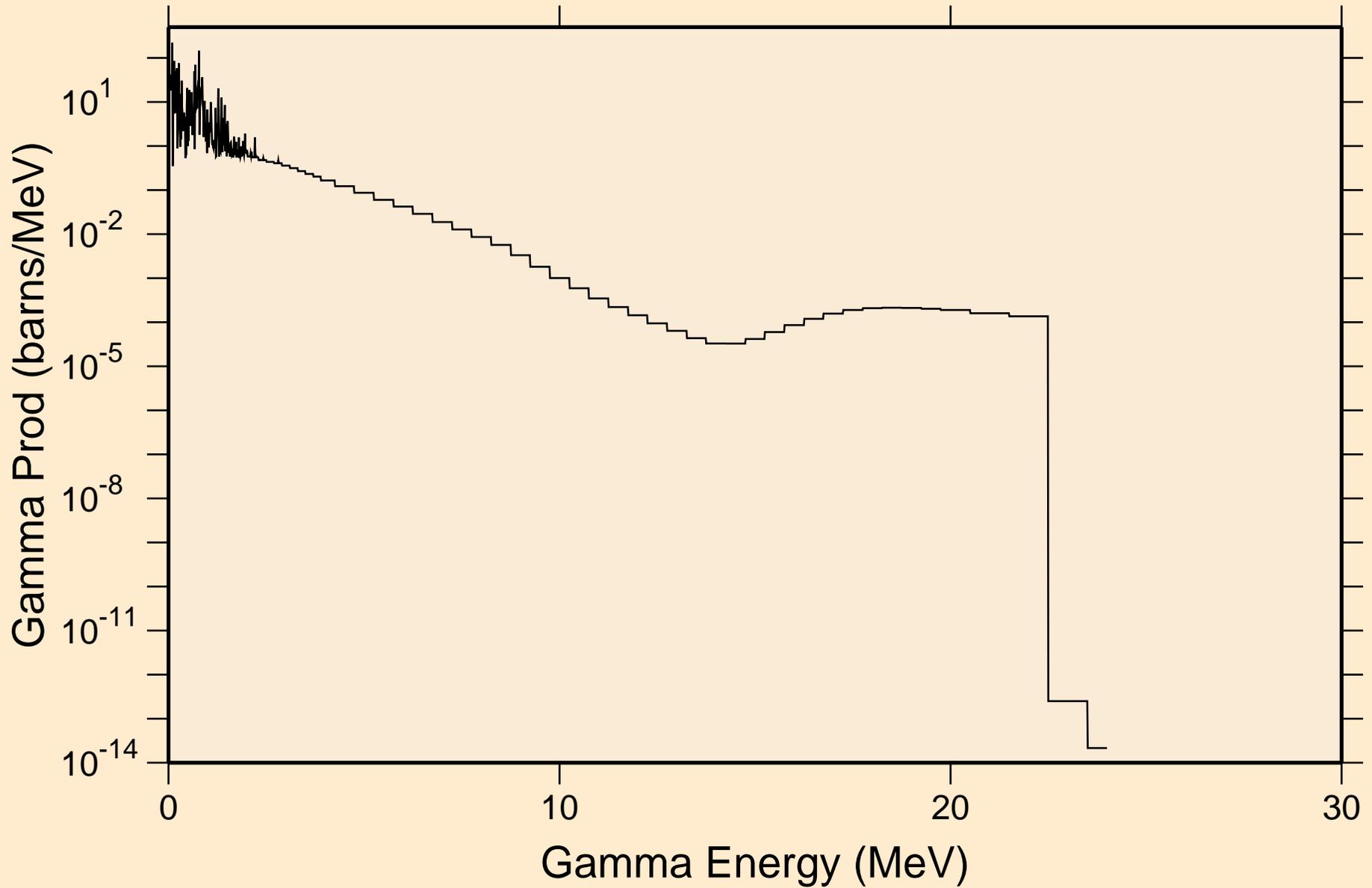
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
Photon emission for (n,da)



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
thermal capture photon spectrum

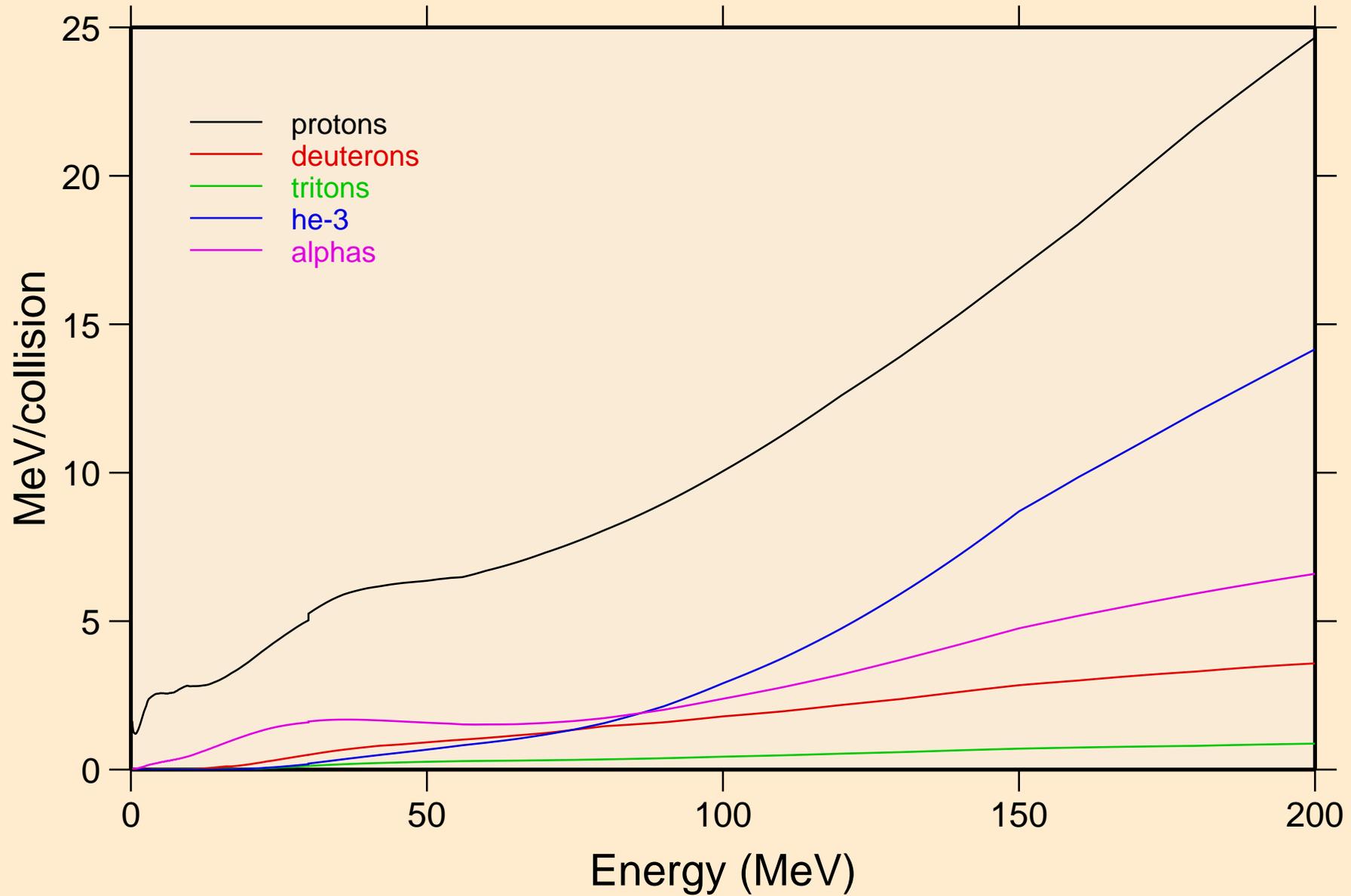


IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
14 MeV photon spectrum

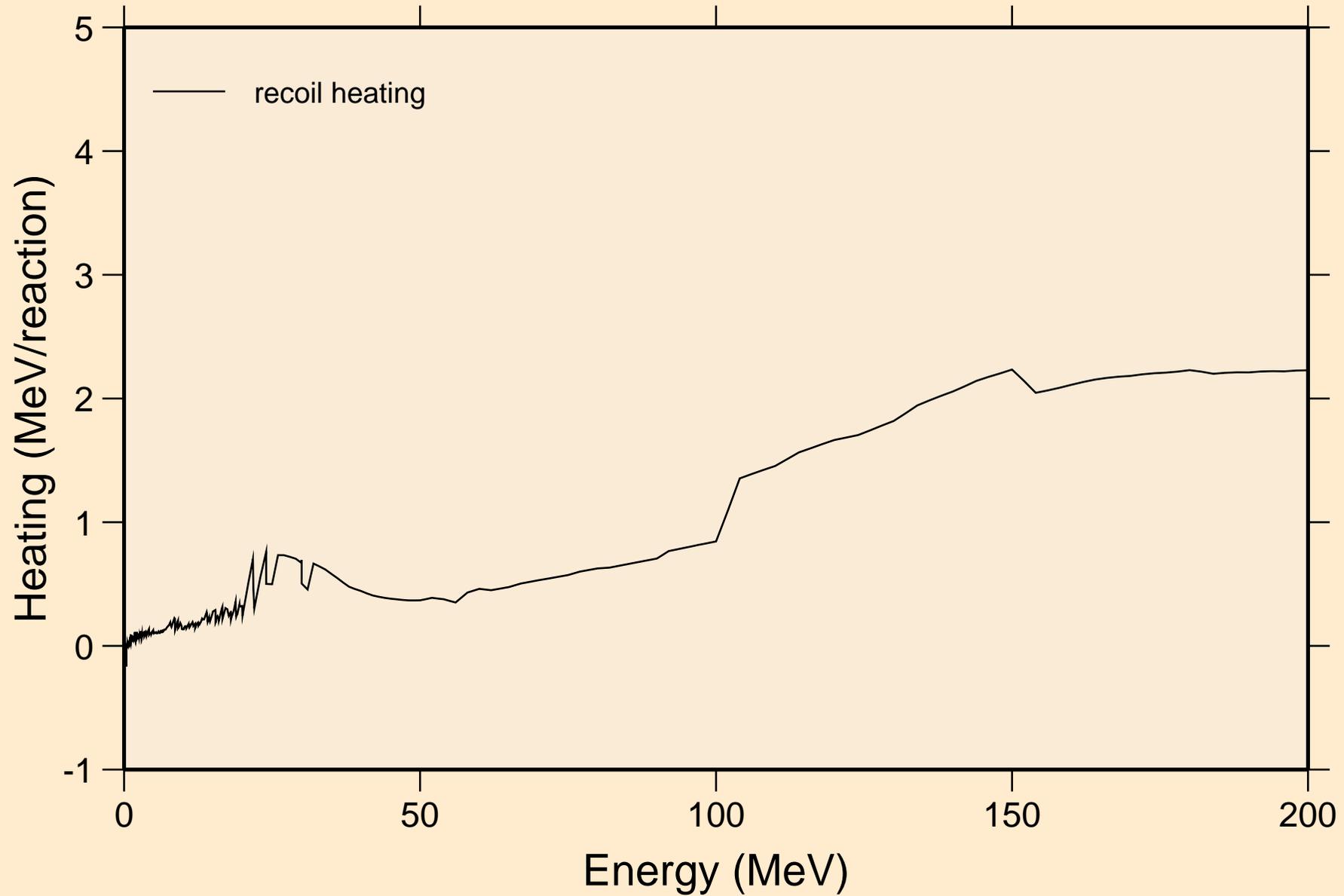


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## Particle heating contributions

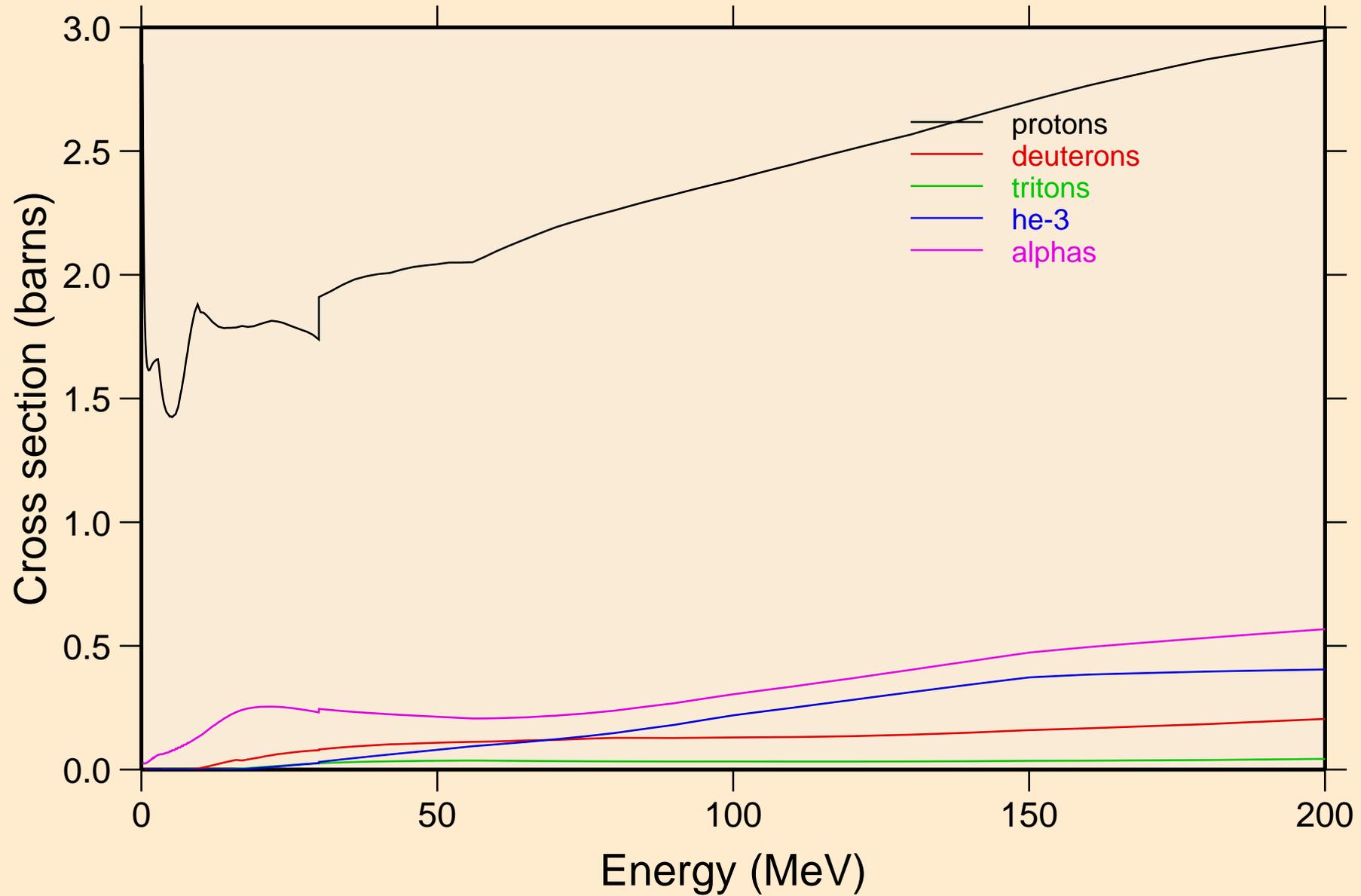


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Recoil Heating

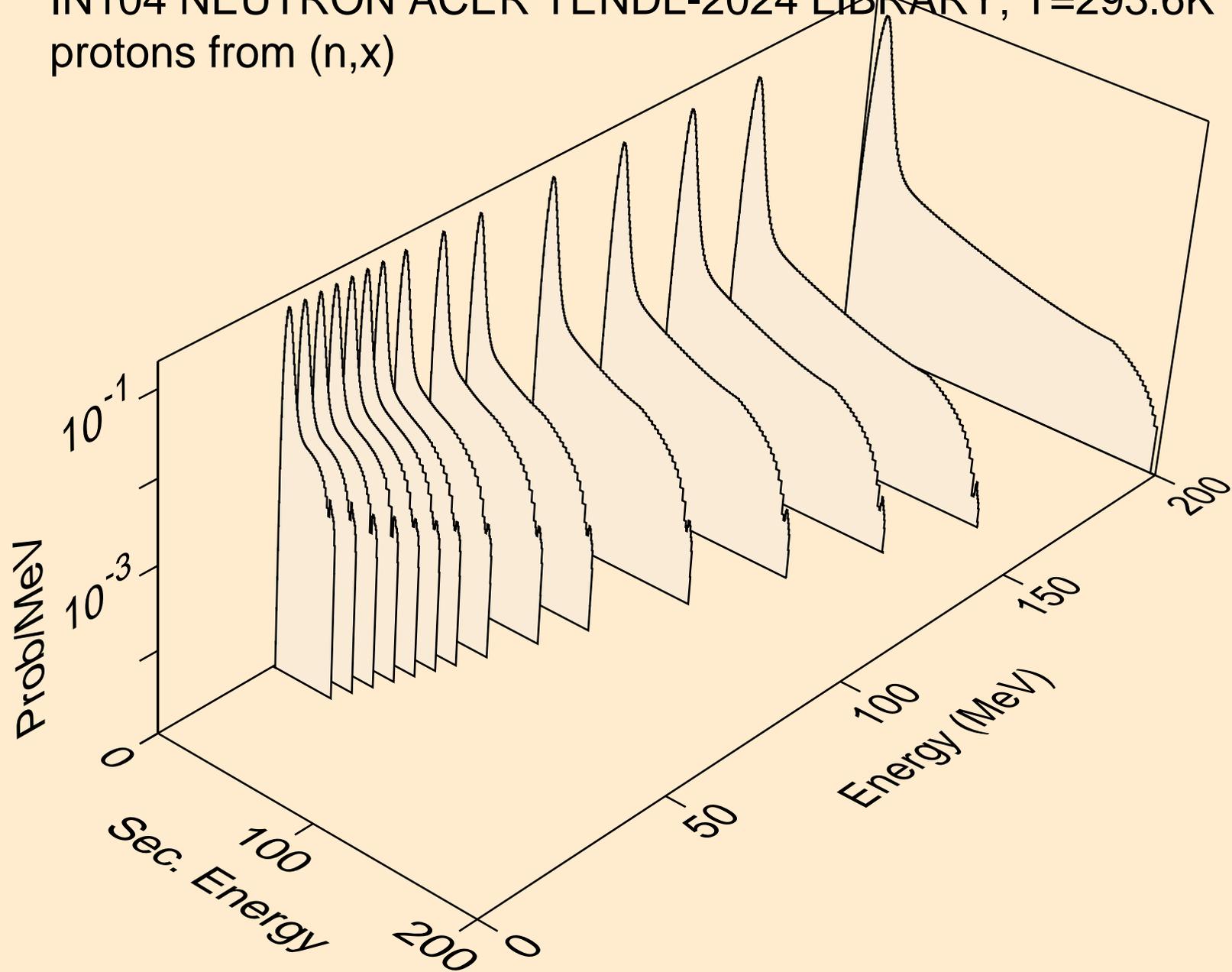


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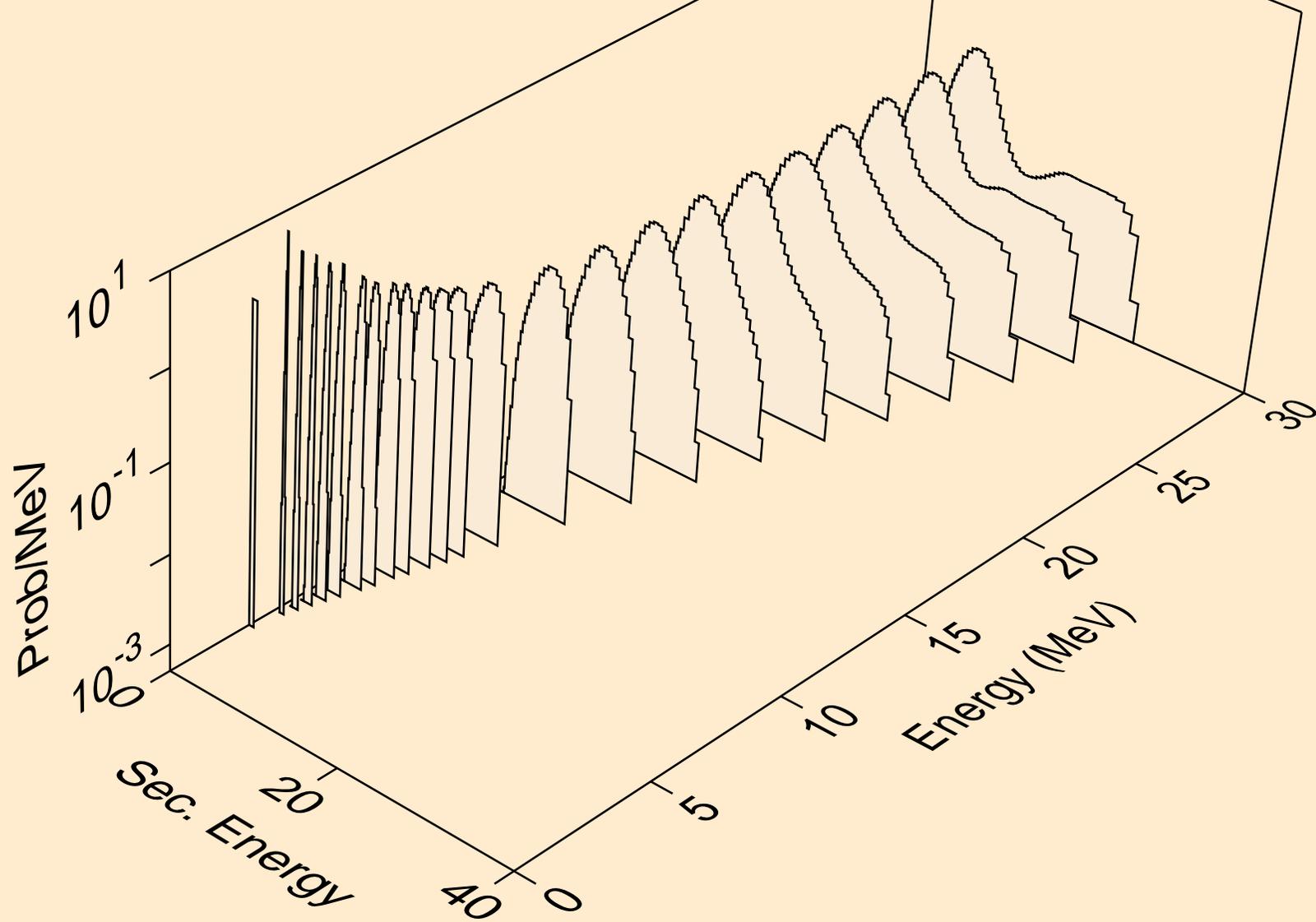
## Particle production cross sections



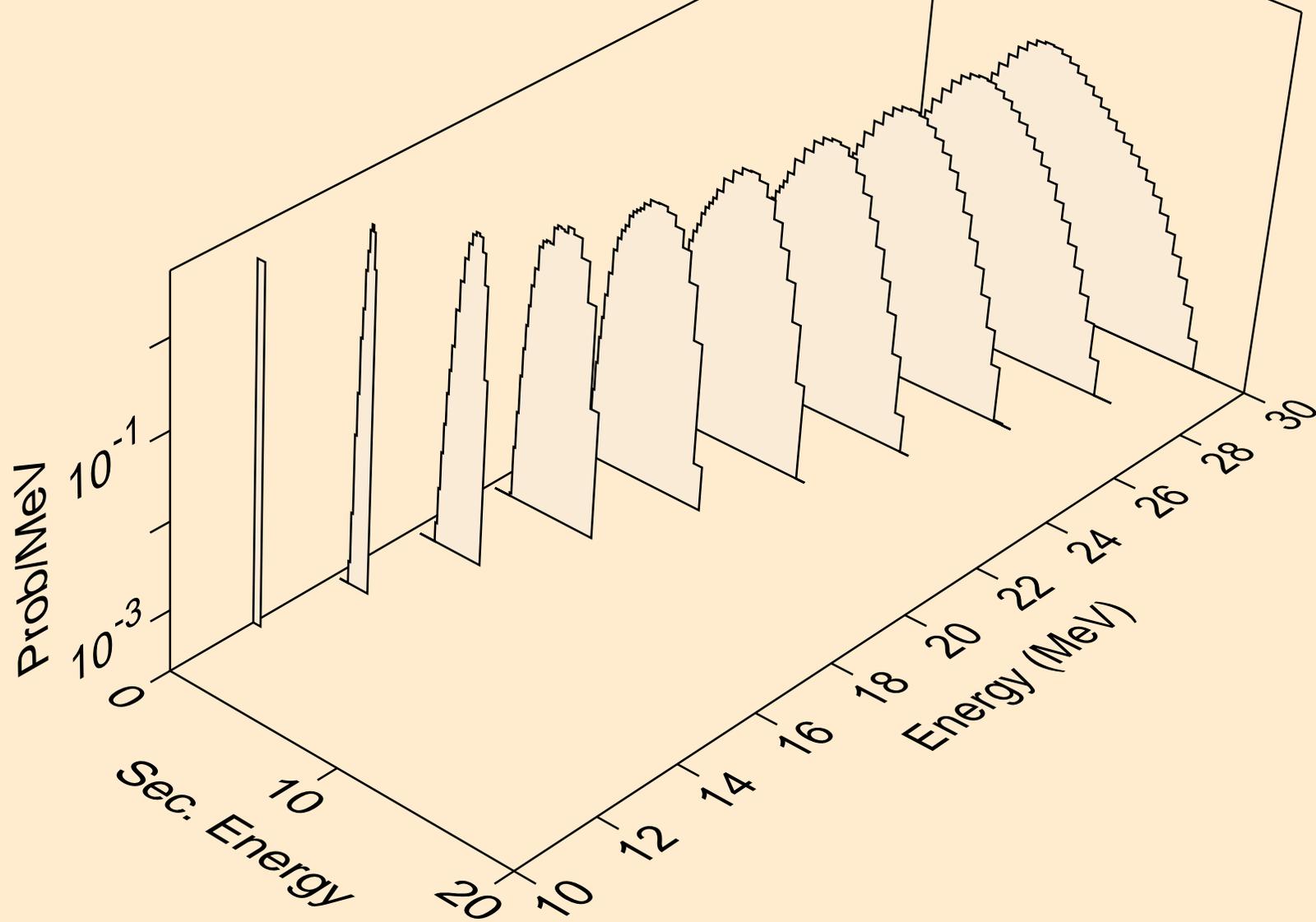
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
protons from (n,x)



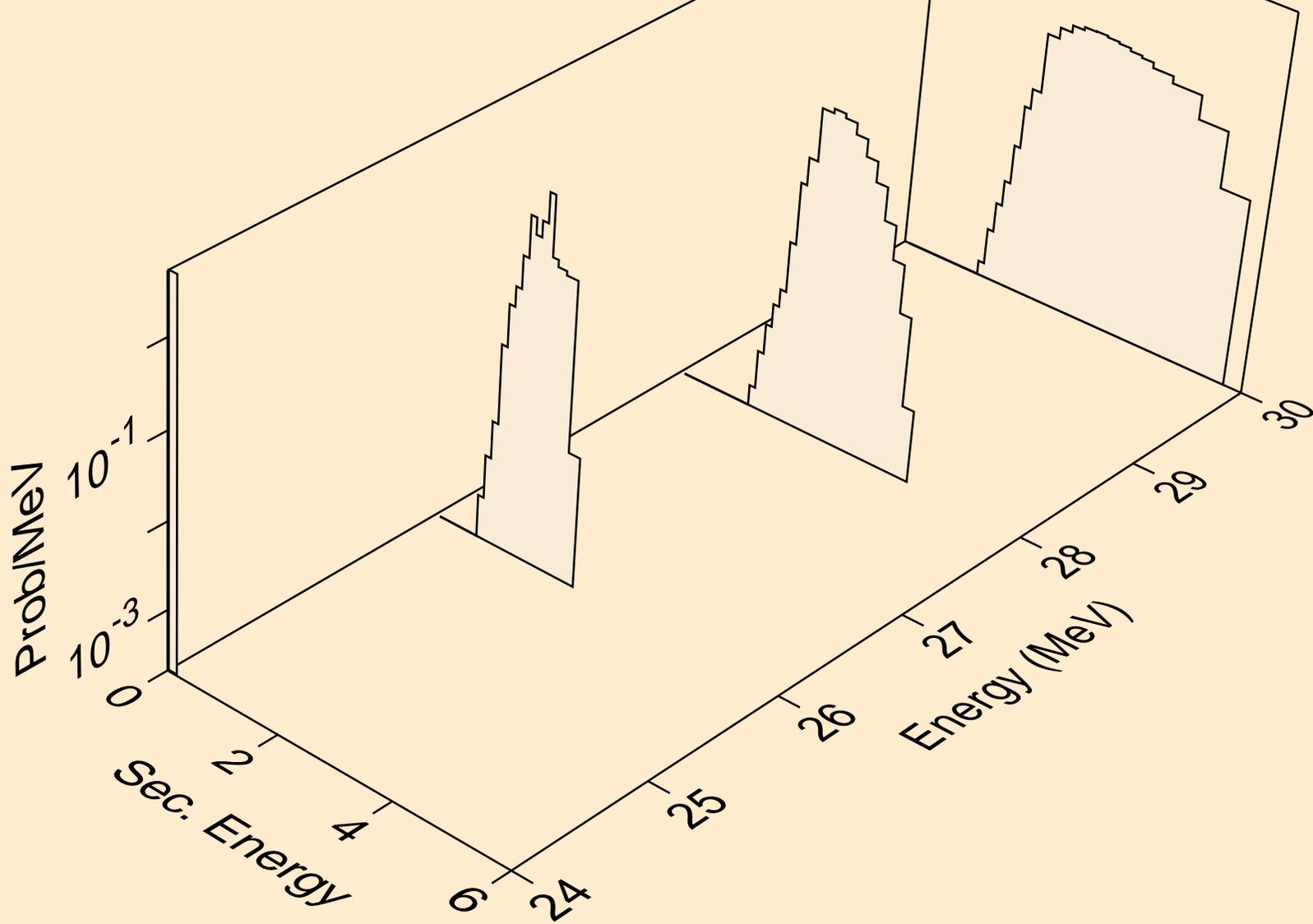
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protons from (n,n\*)p



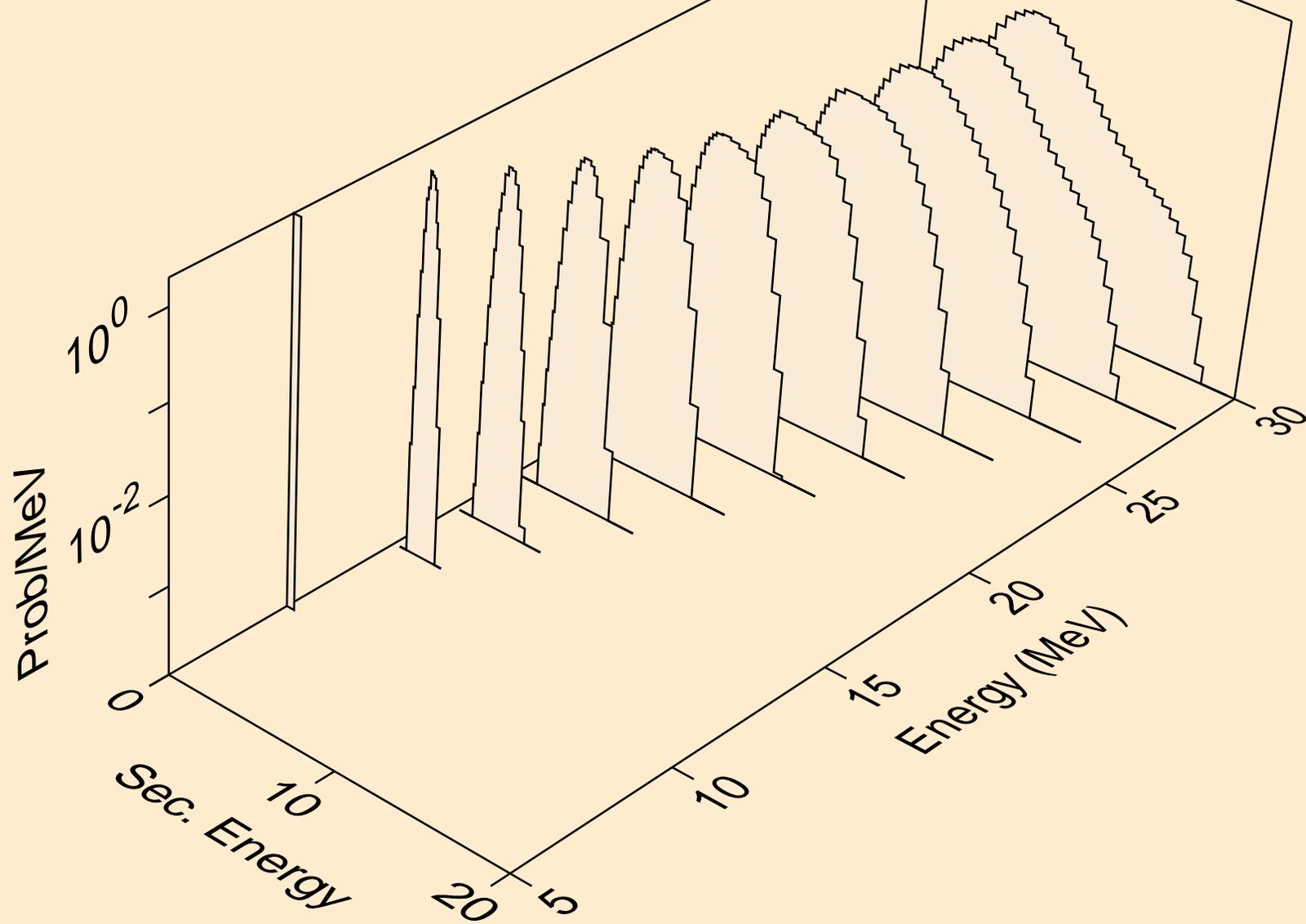
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protons from (n,2np)



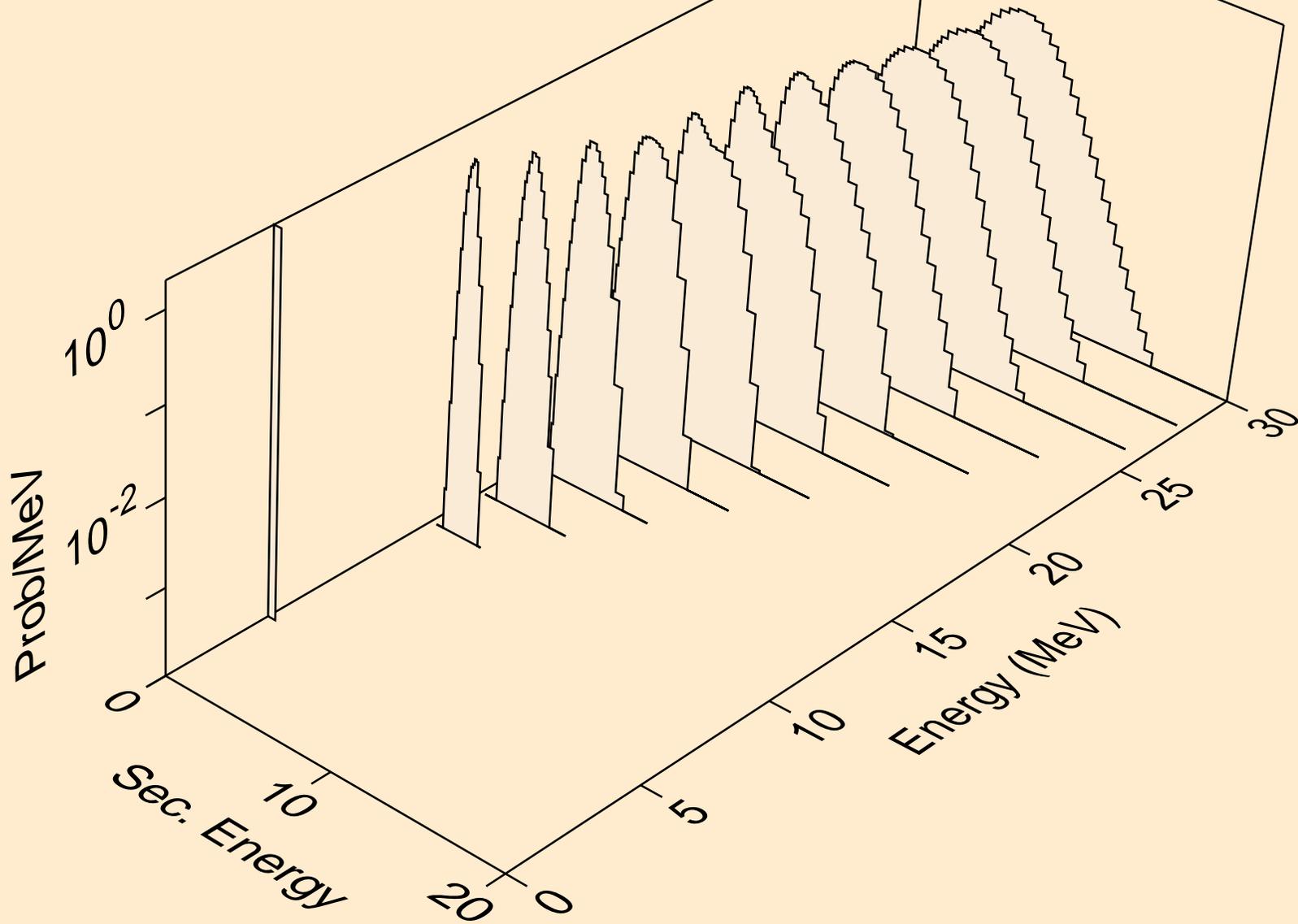
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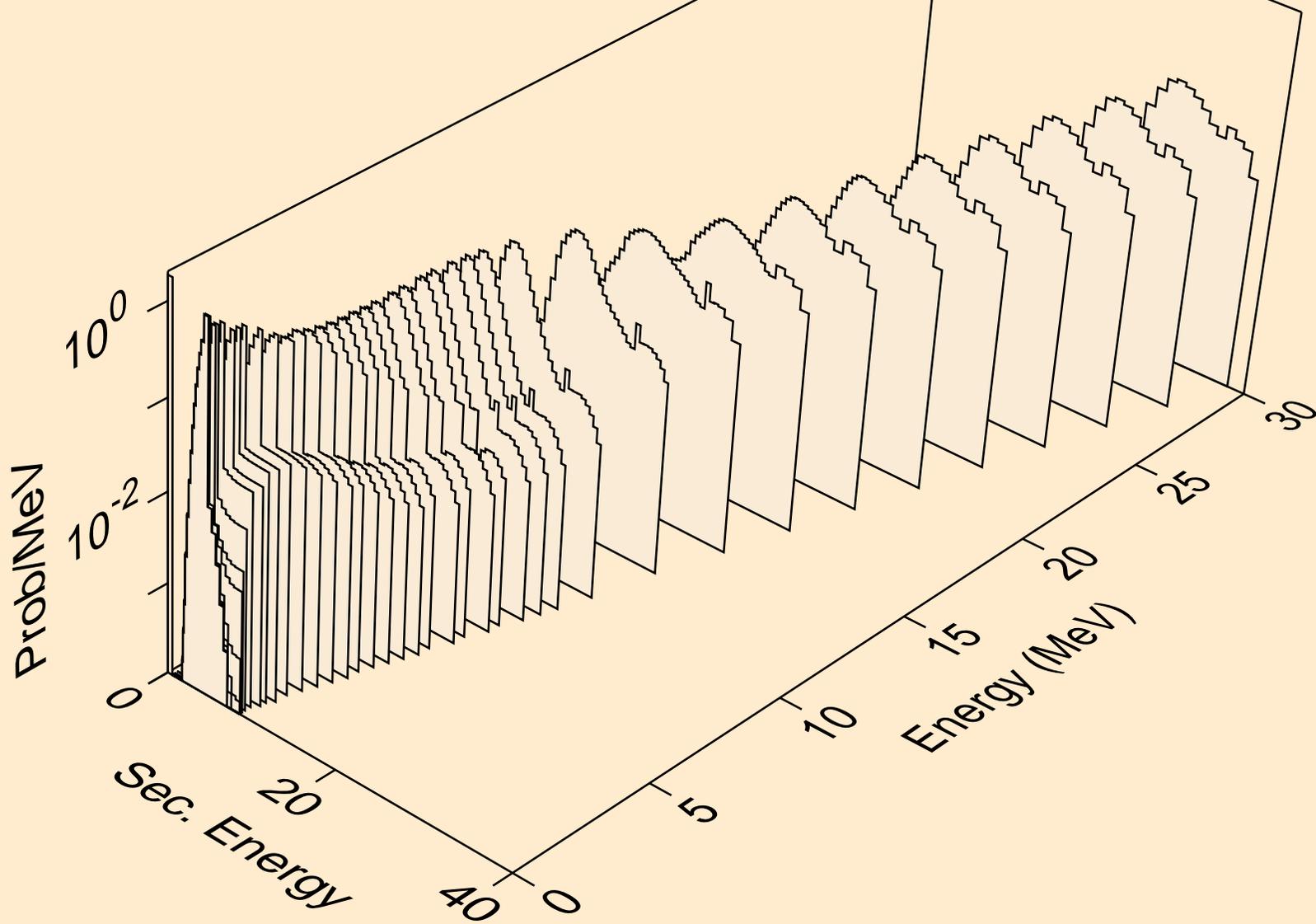
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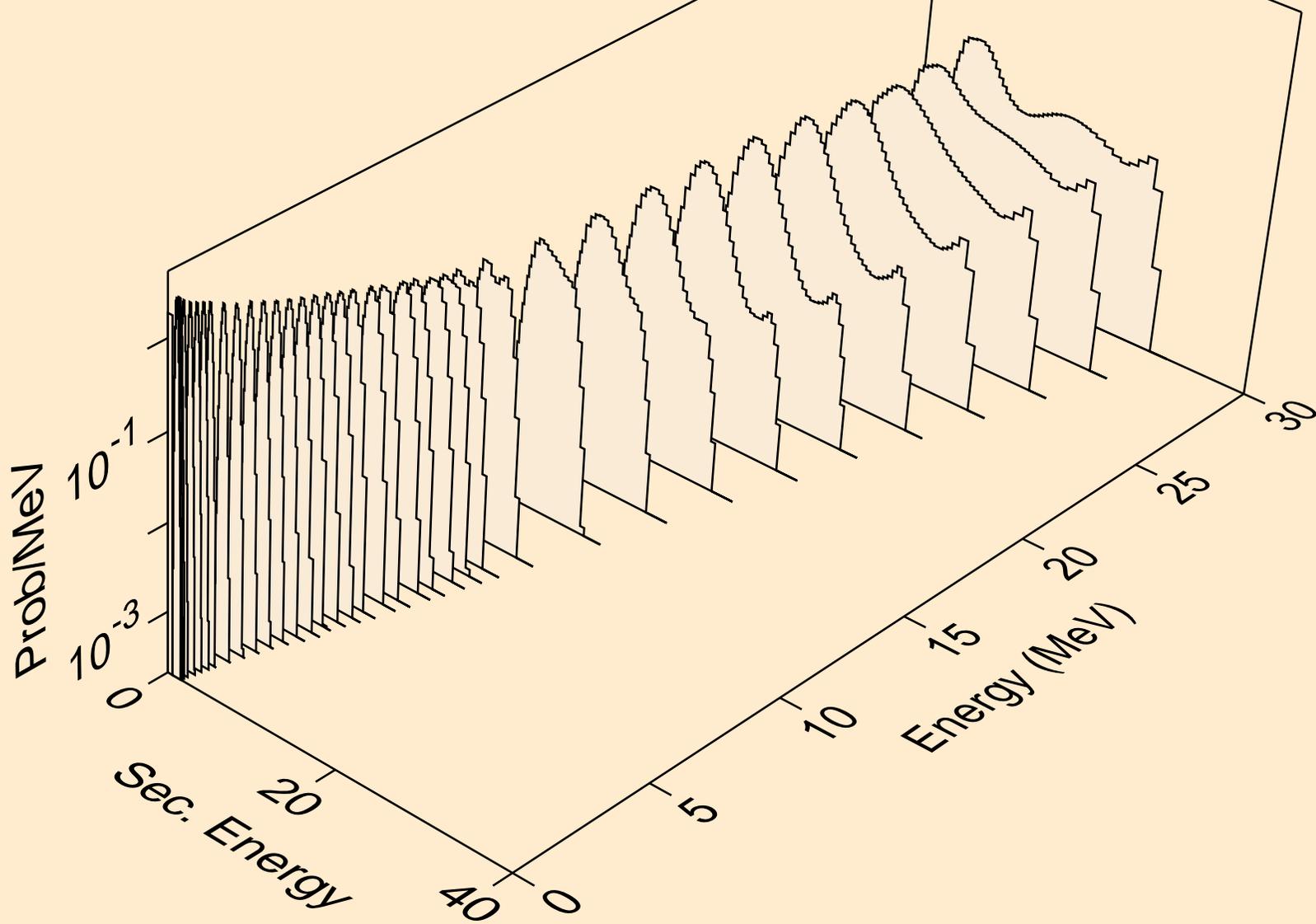
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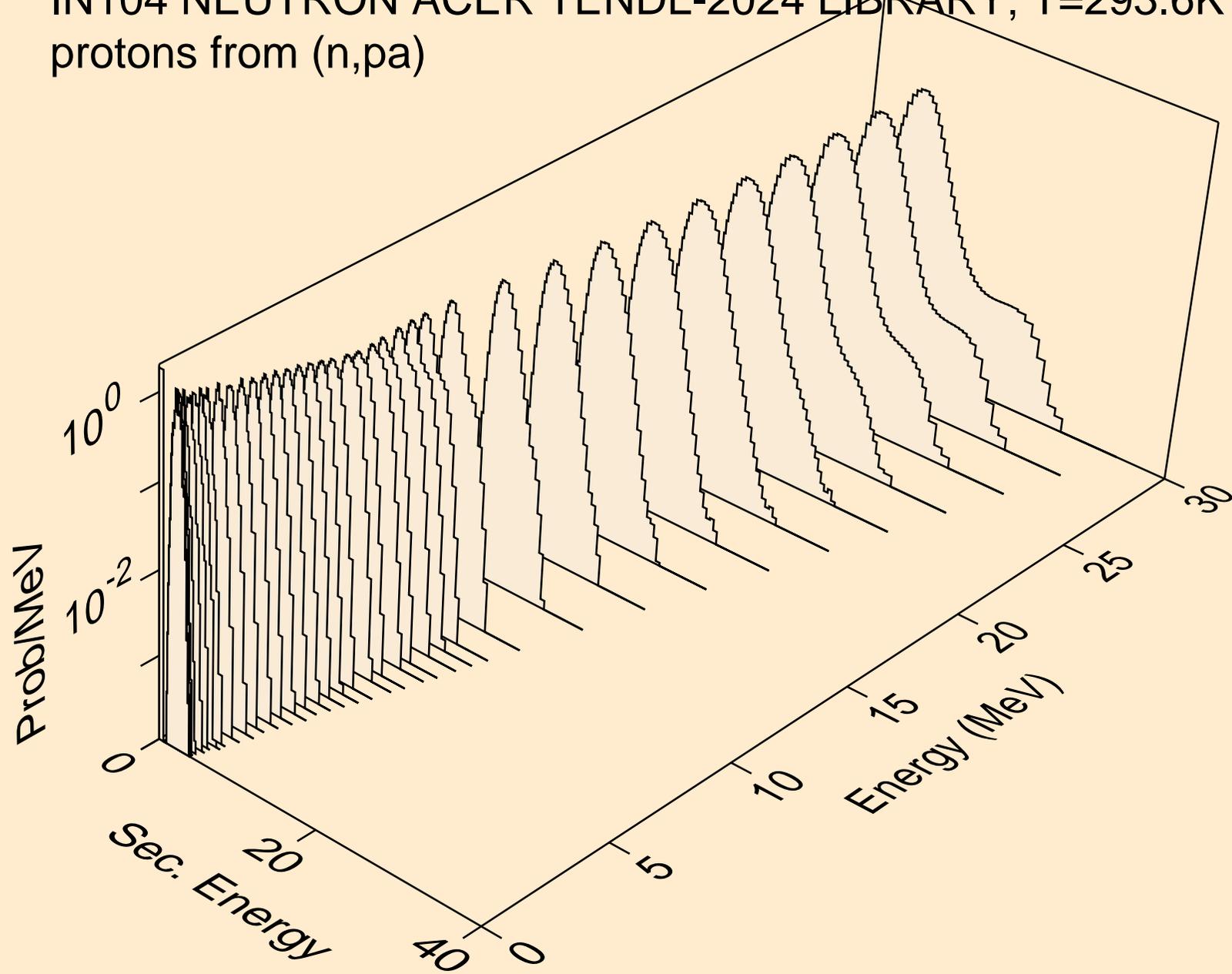
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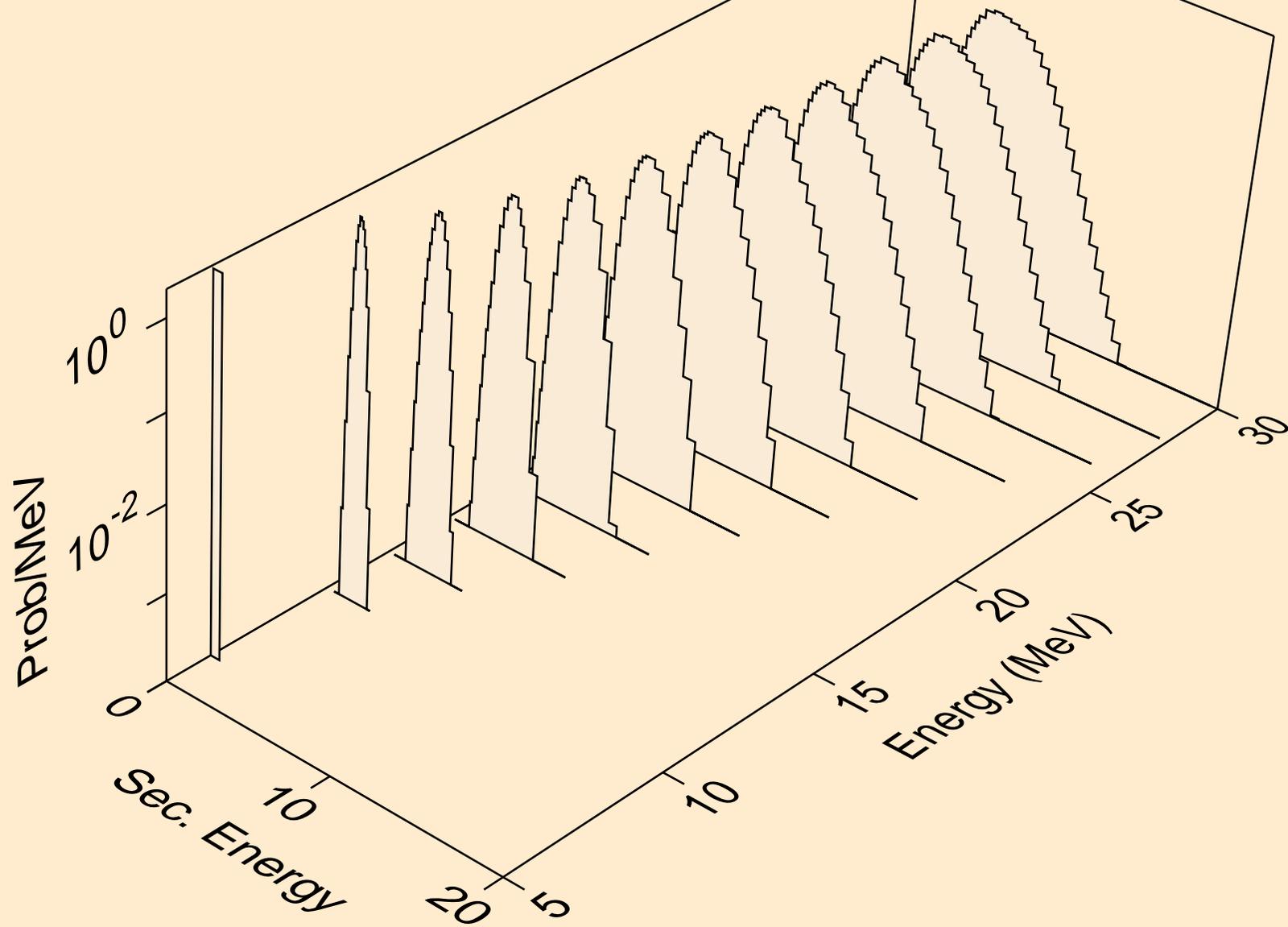
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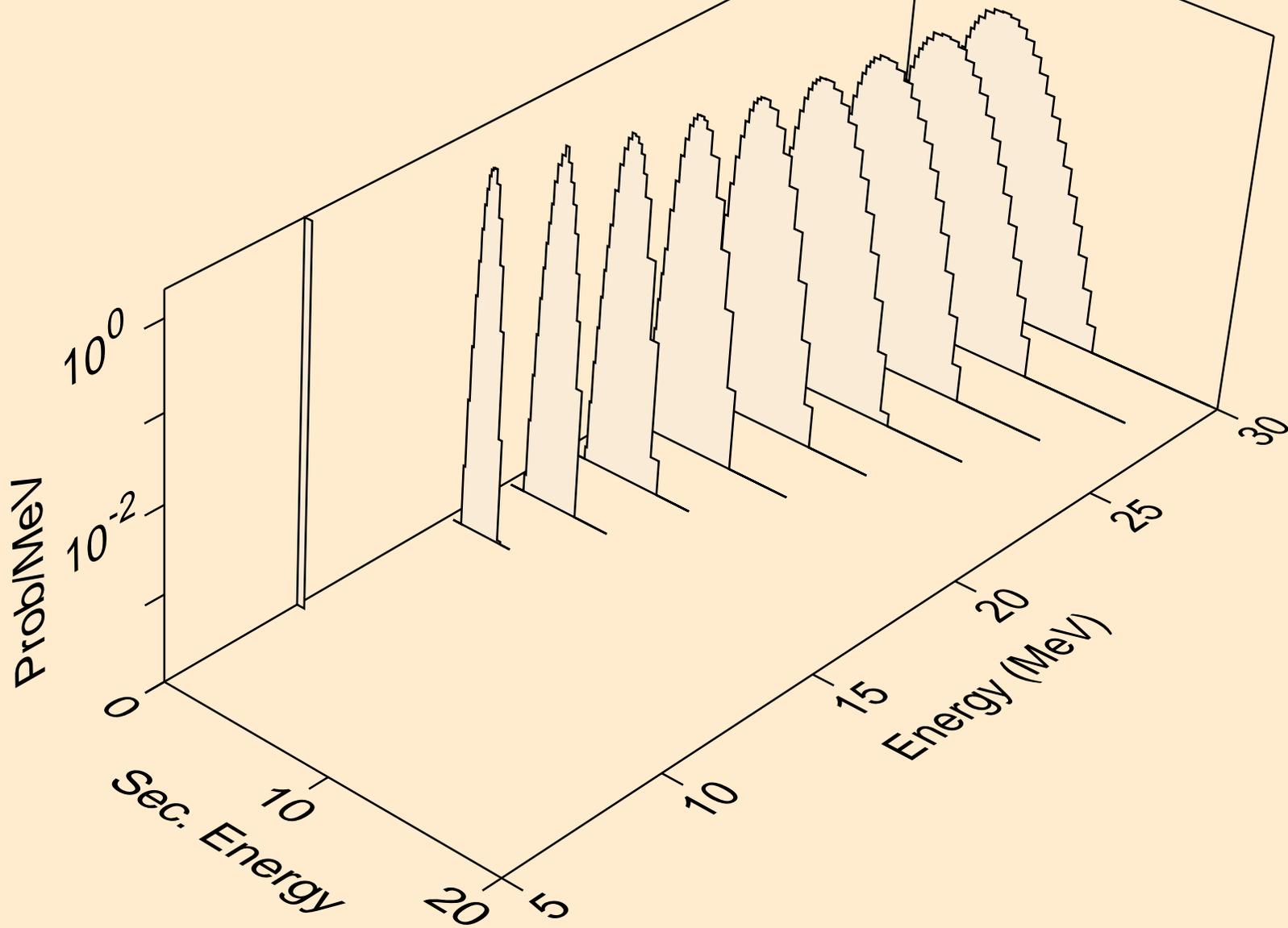
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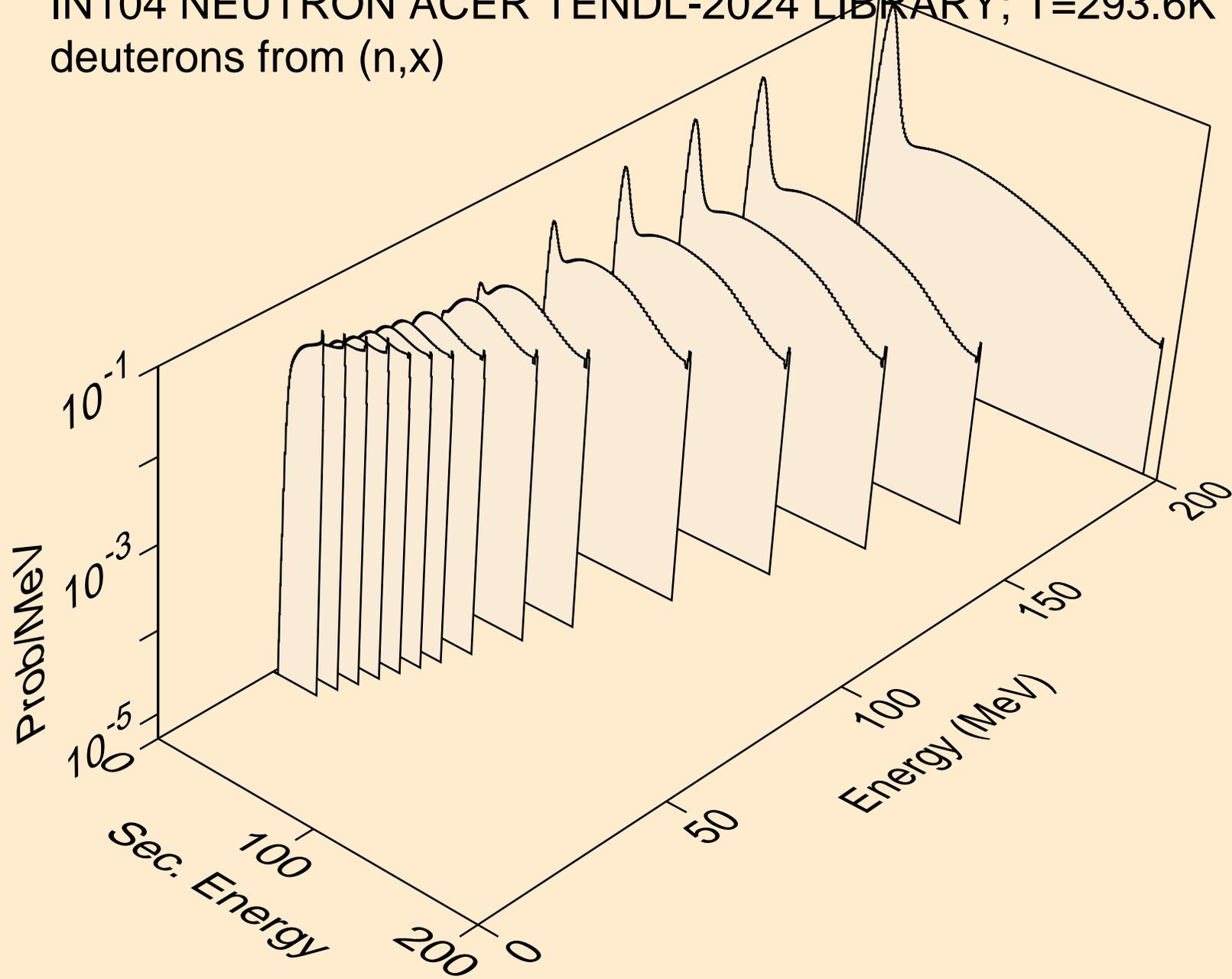
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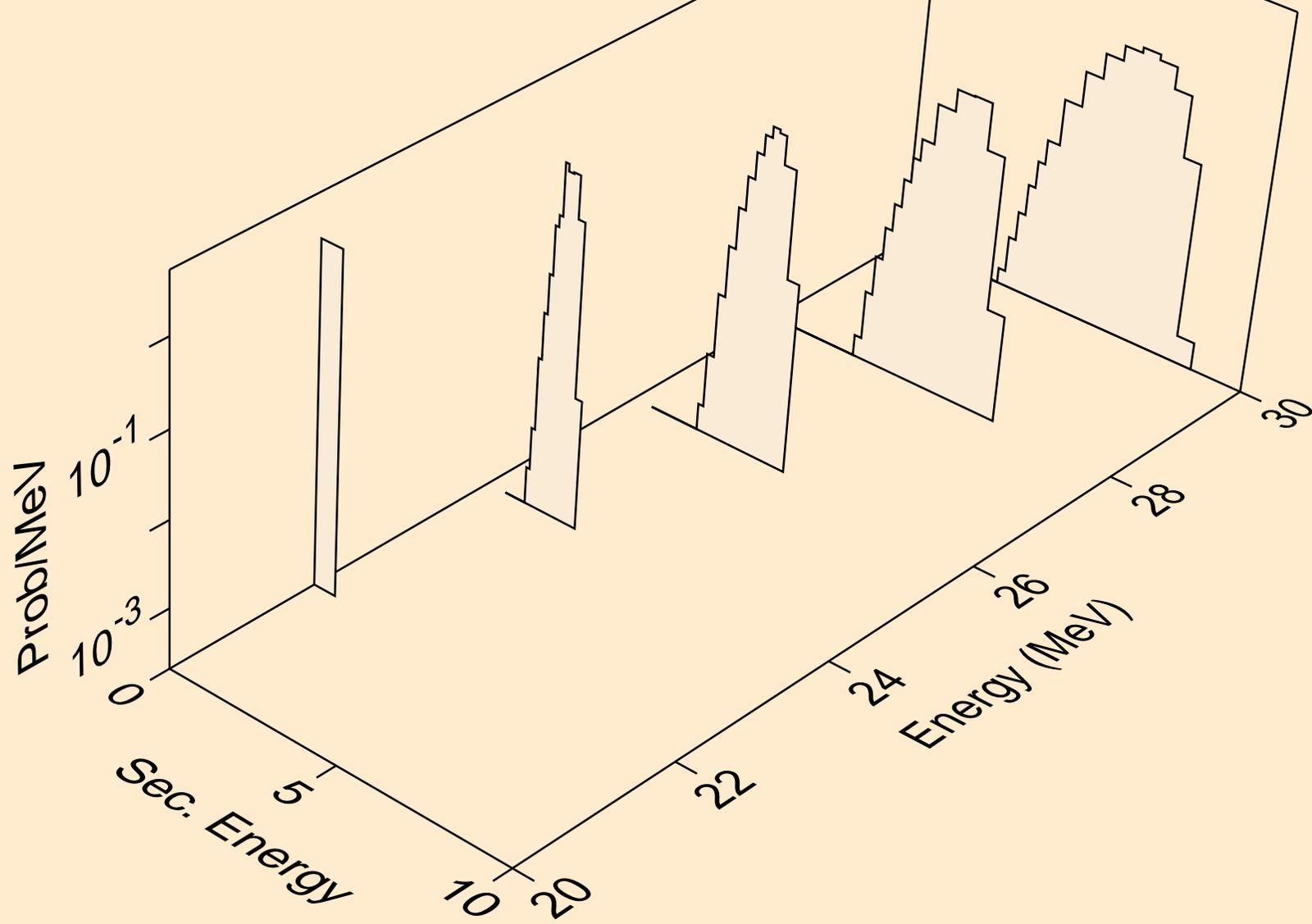
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protons from (n,pt)



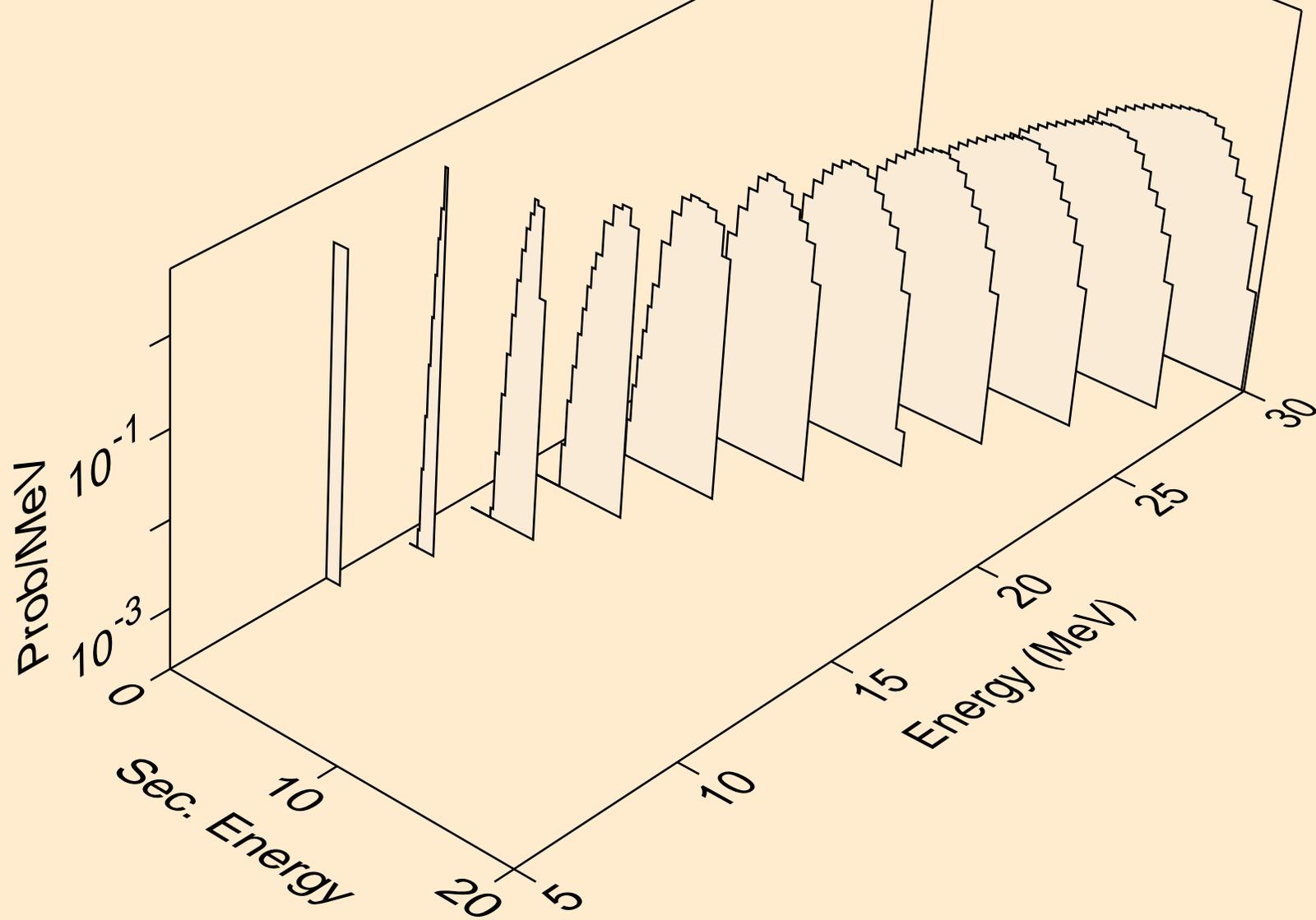
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deuterons from (n,x)



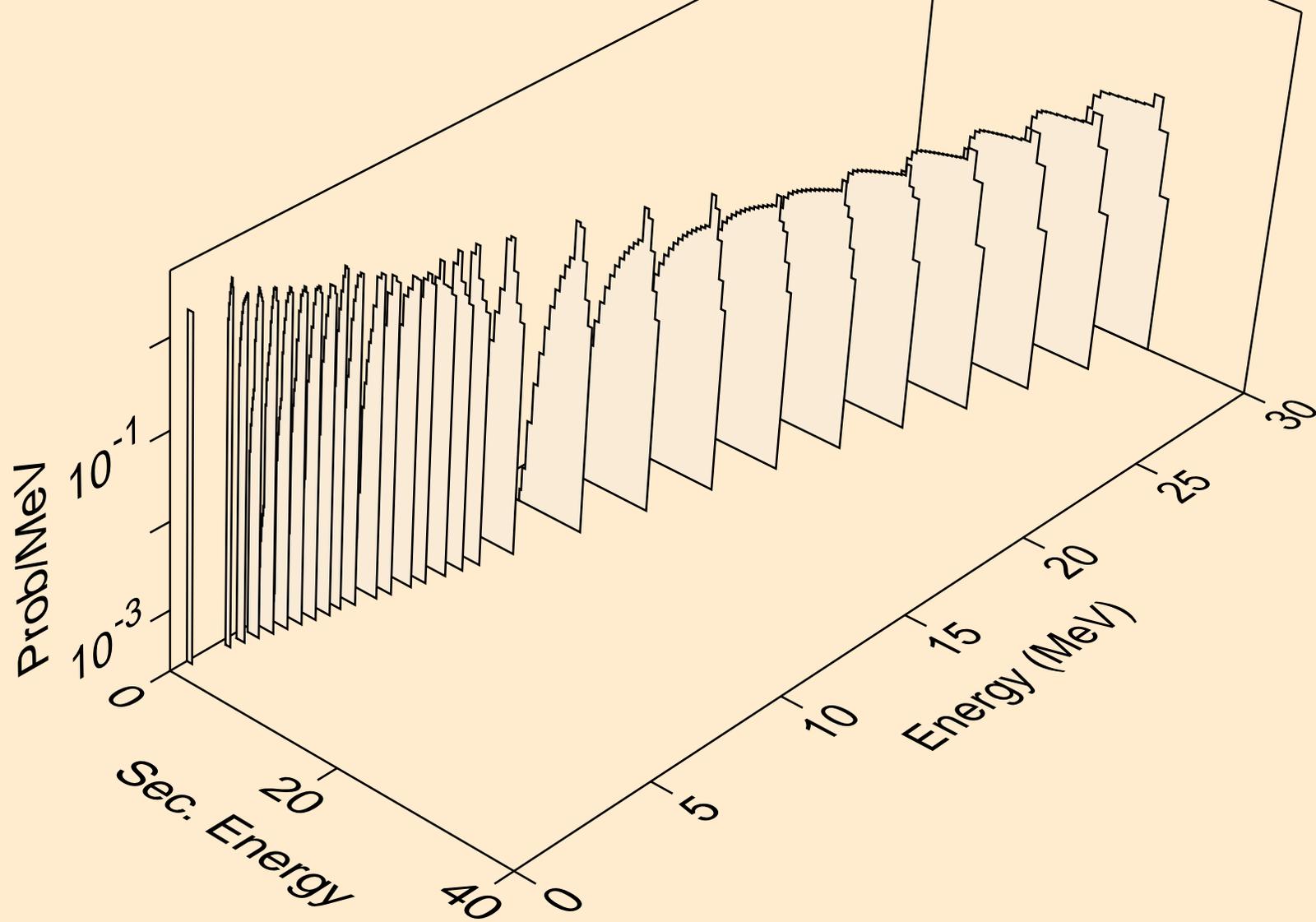
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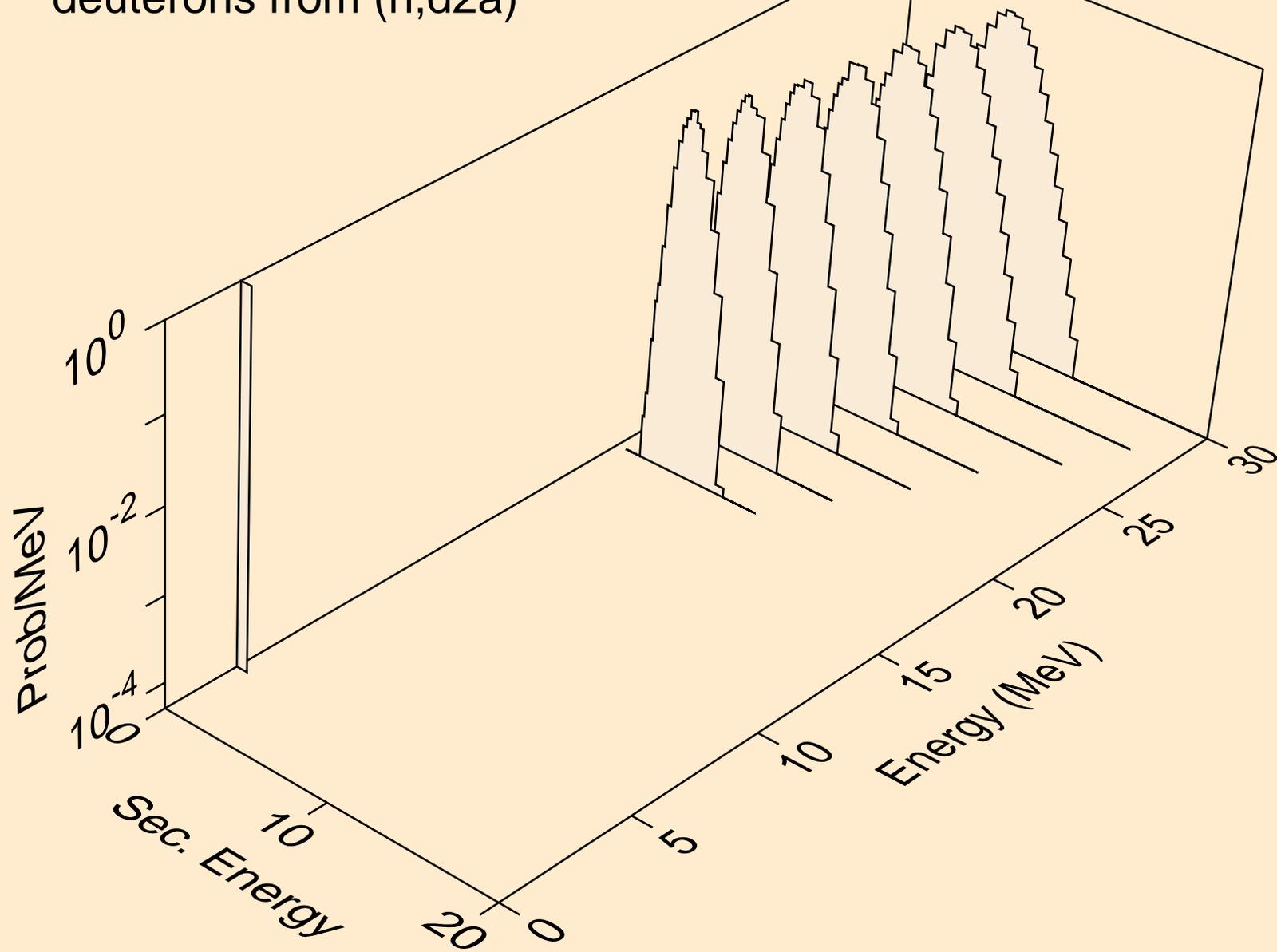
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deuterons from (n,n\*)d



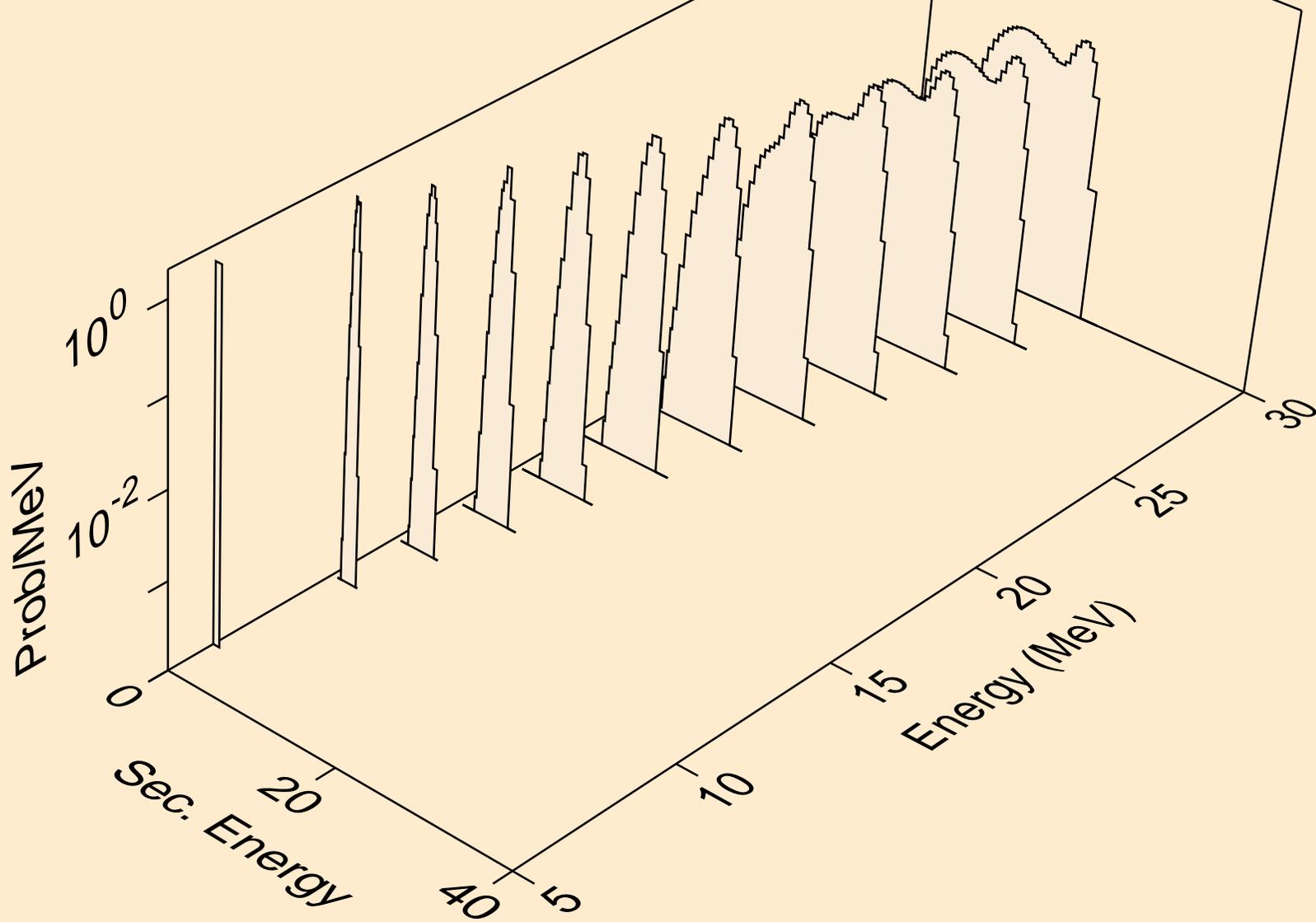
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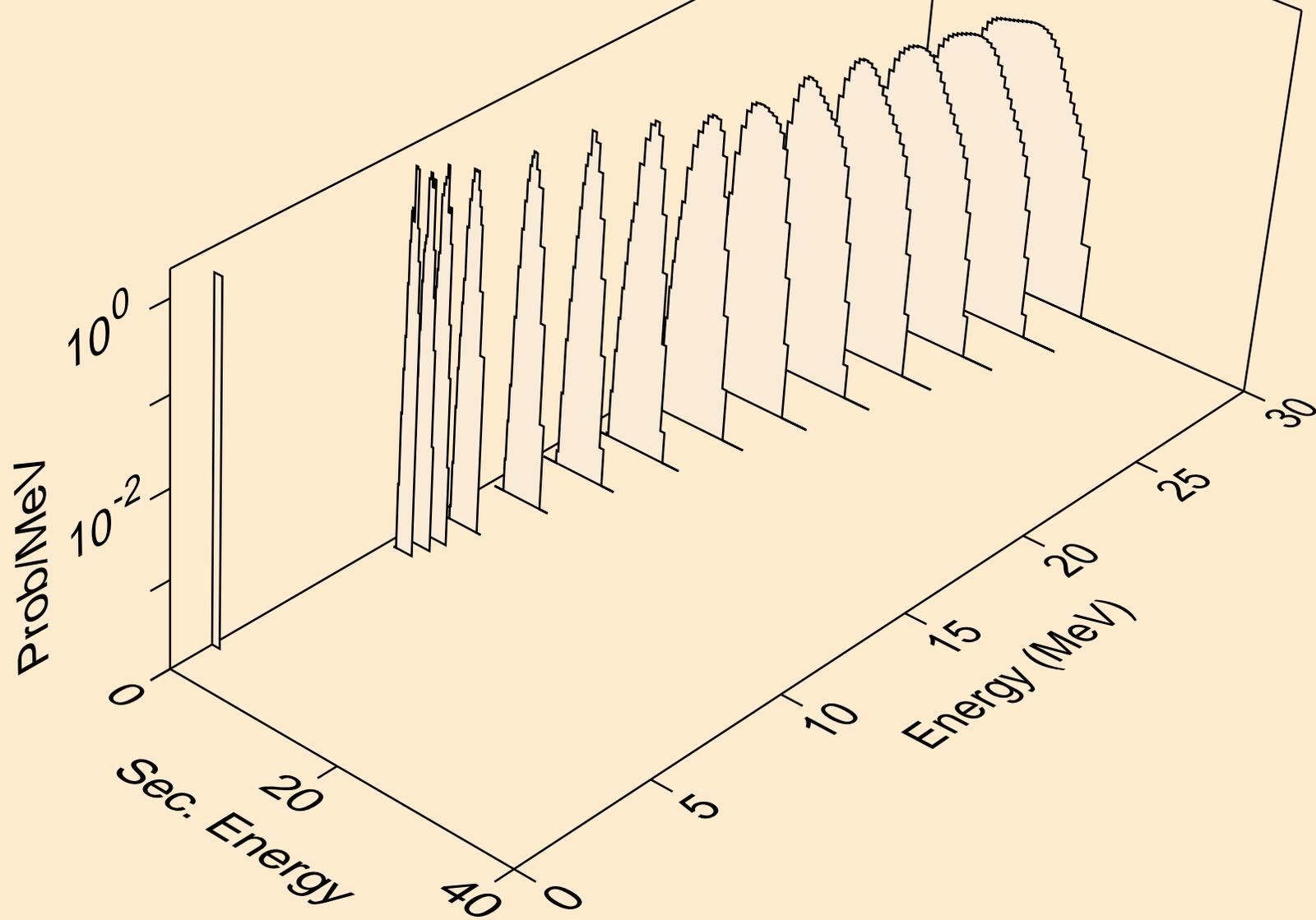
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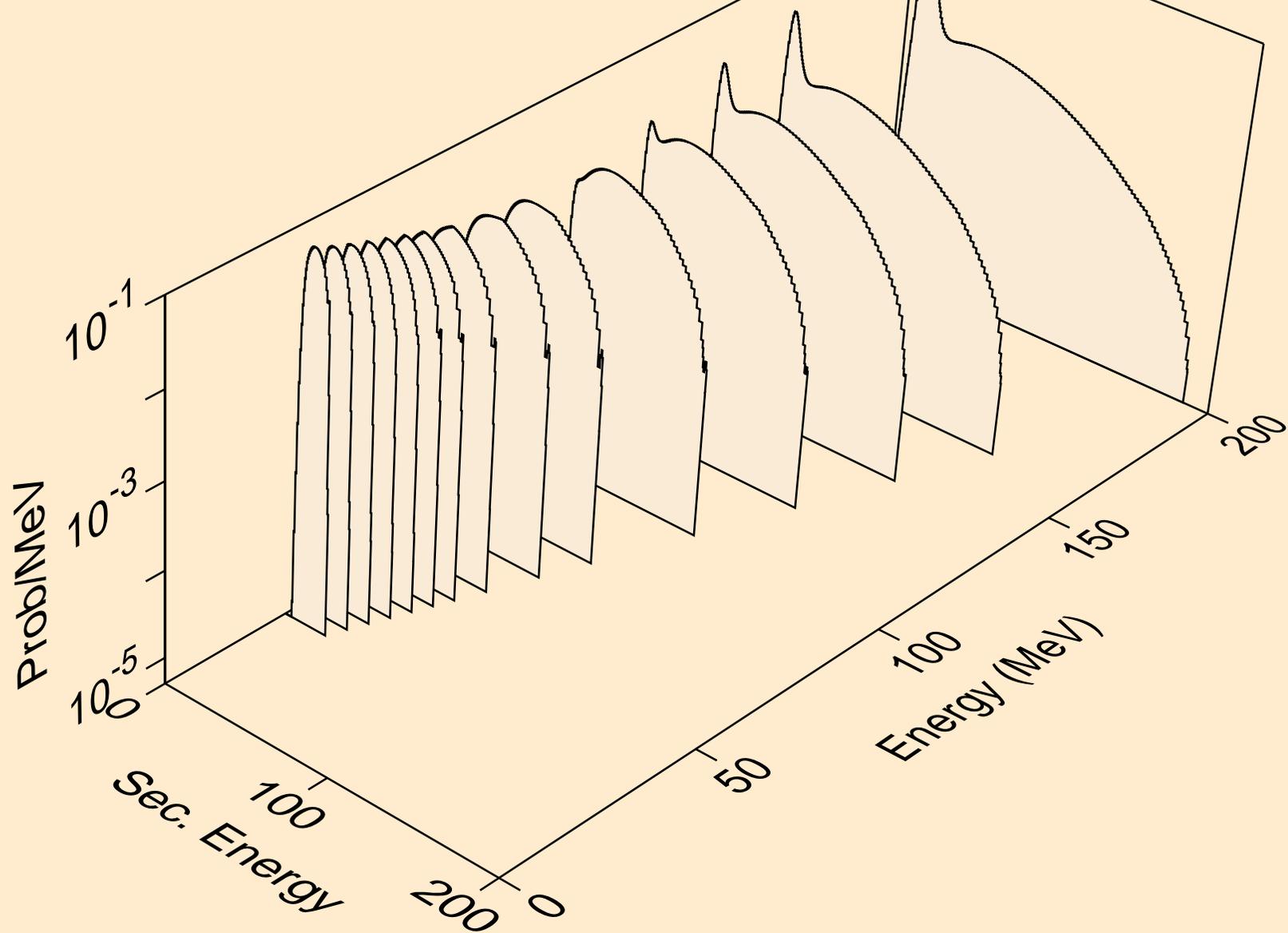
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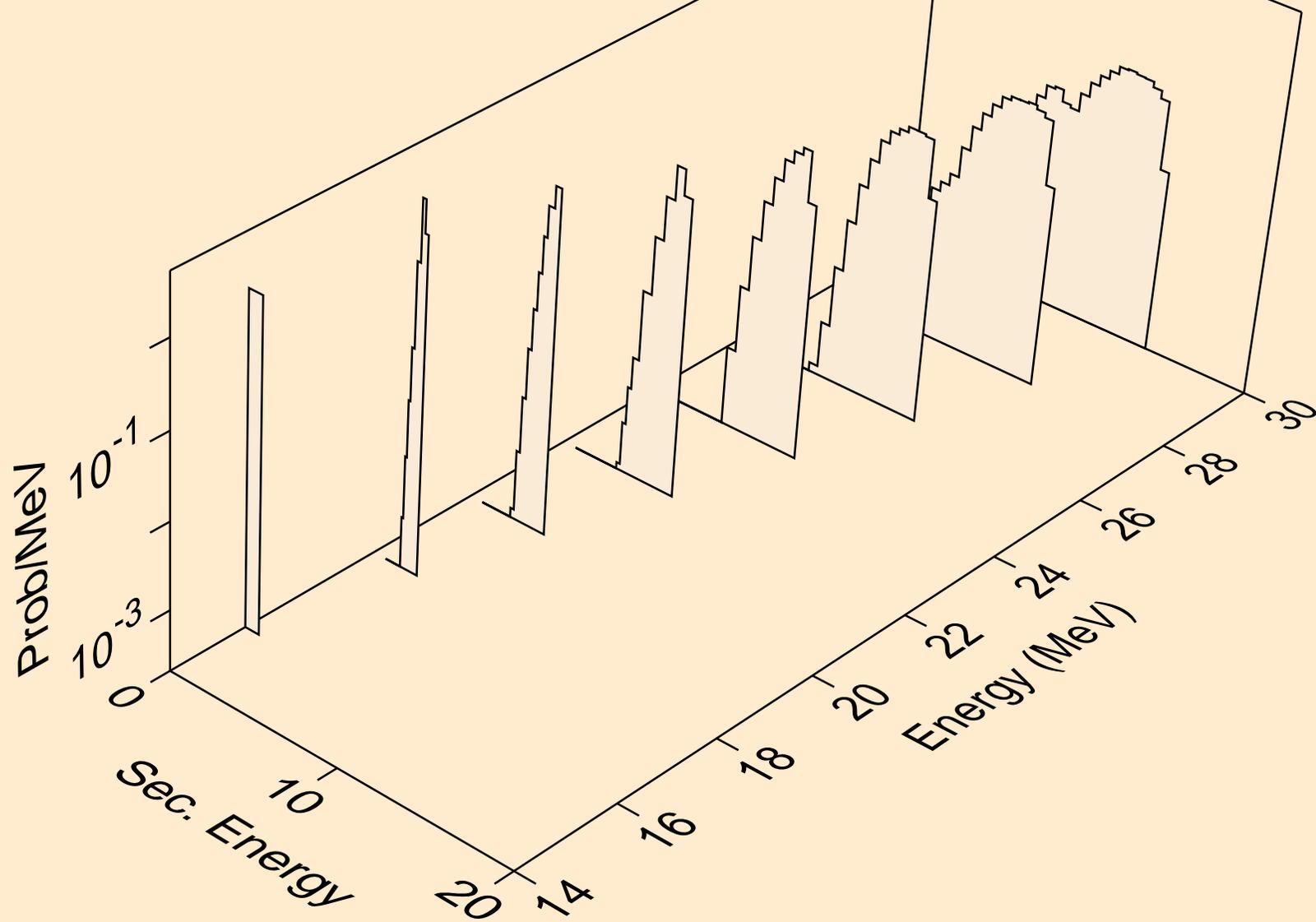
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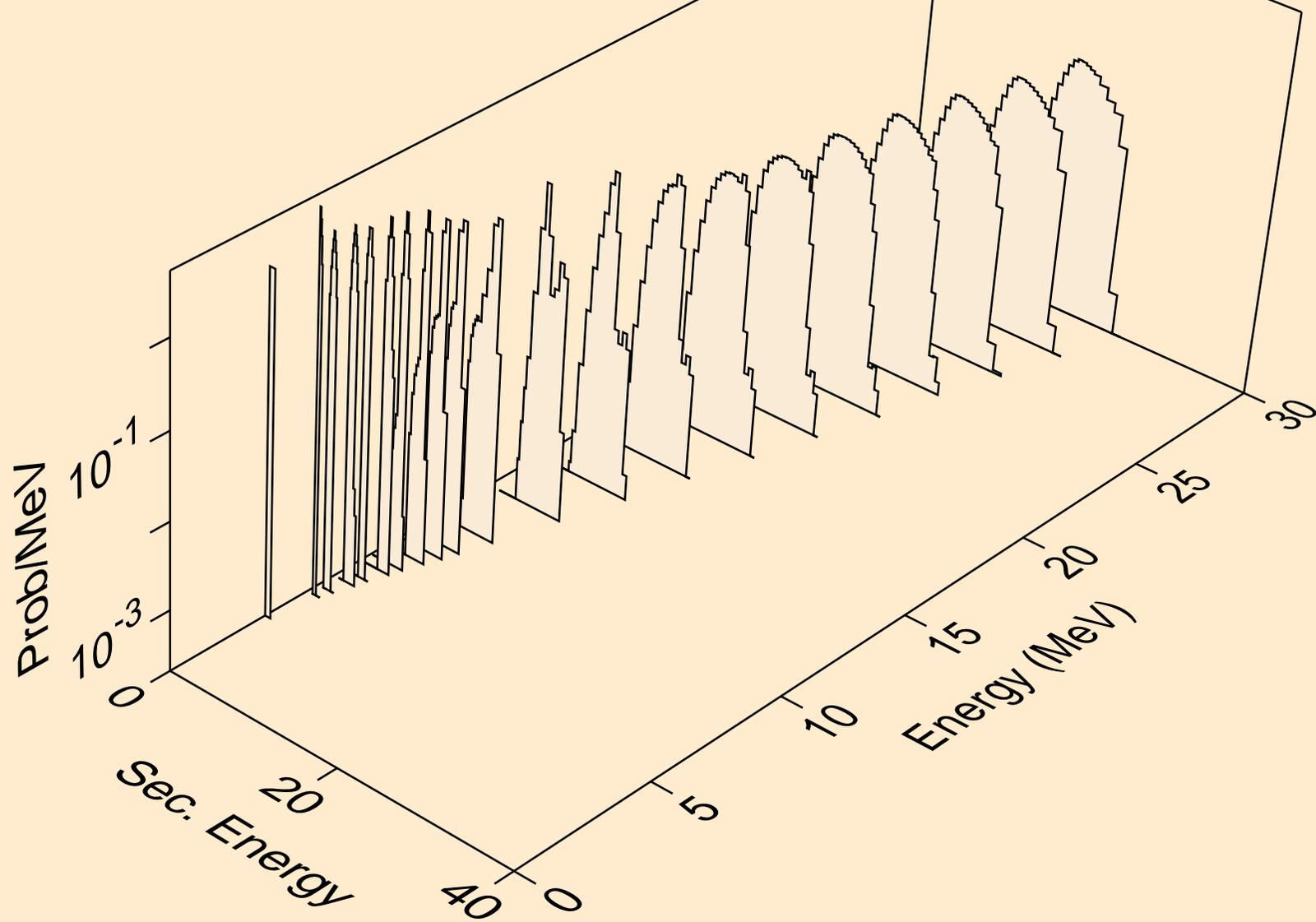
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tritons from (n,x)



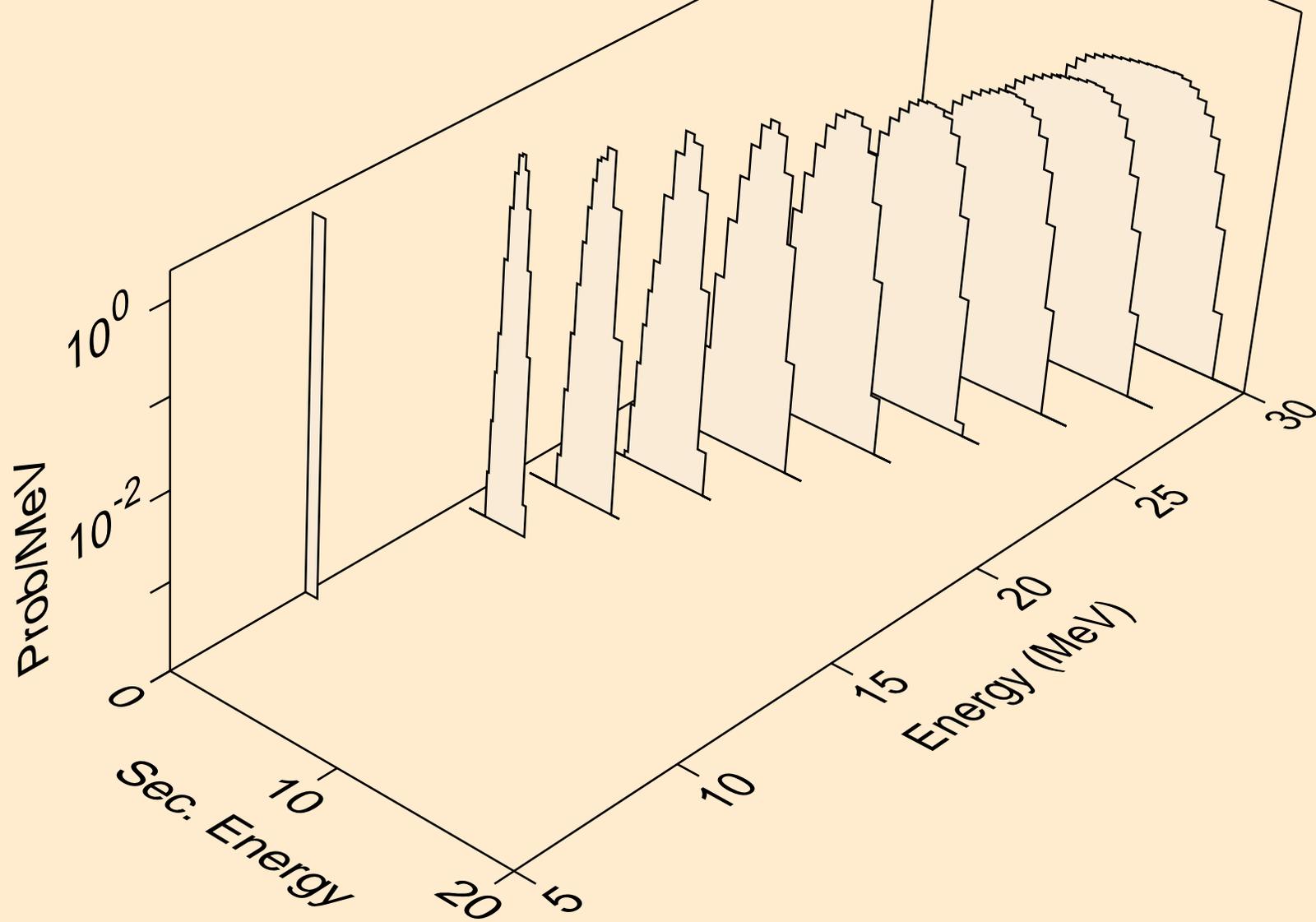
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tritons from (n,n\*)t



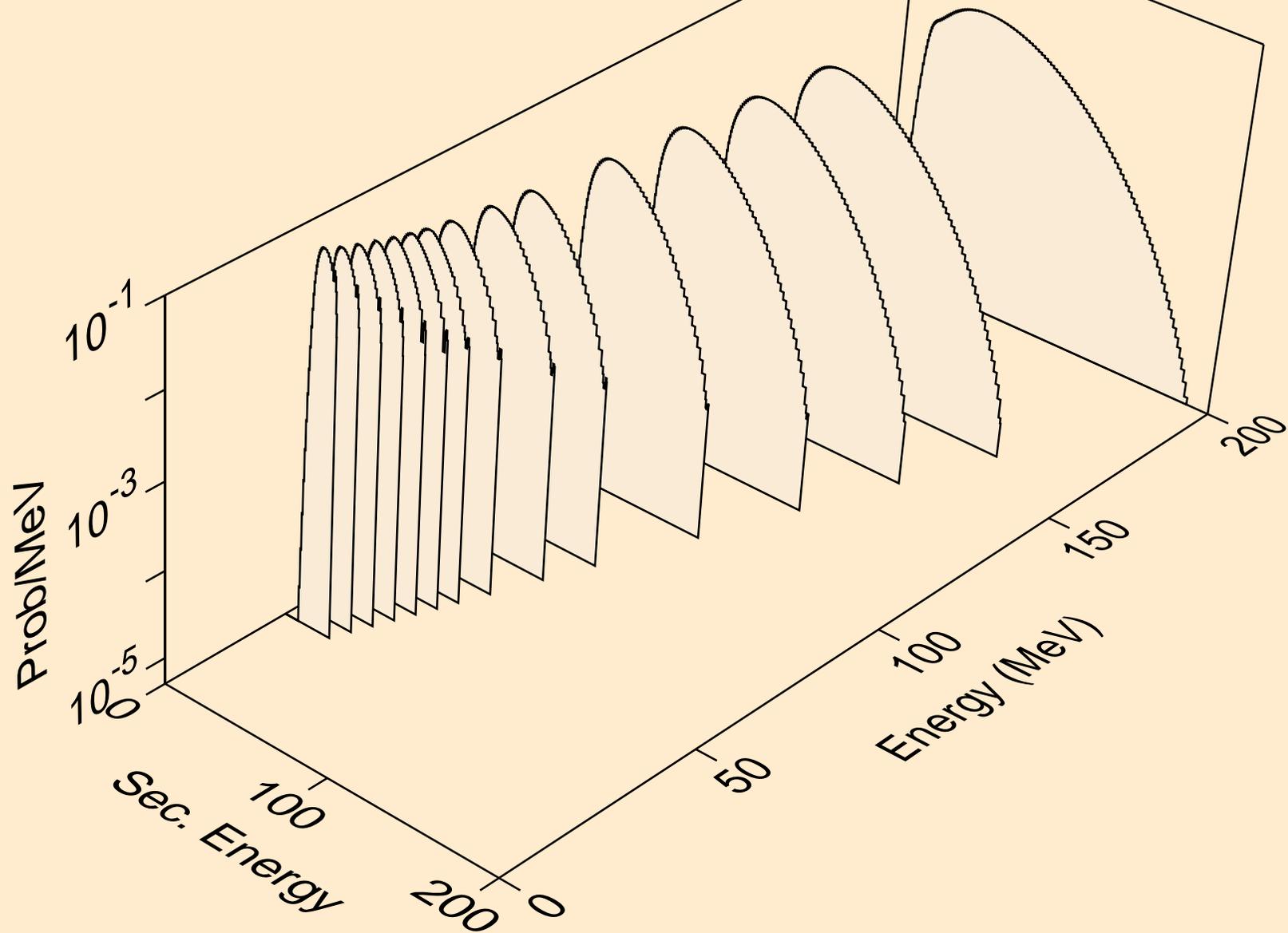
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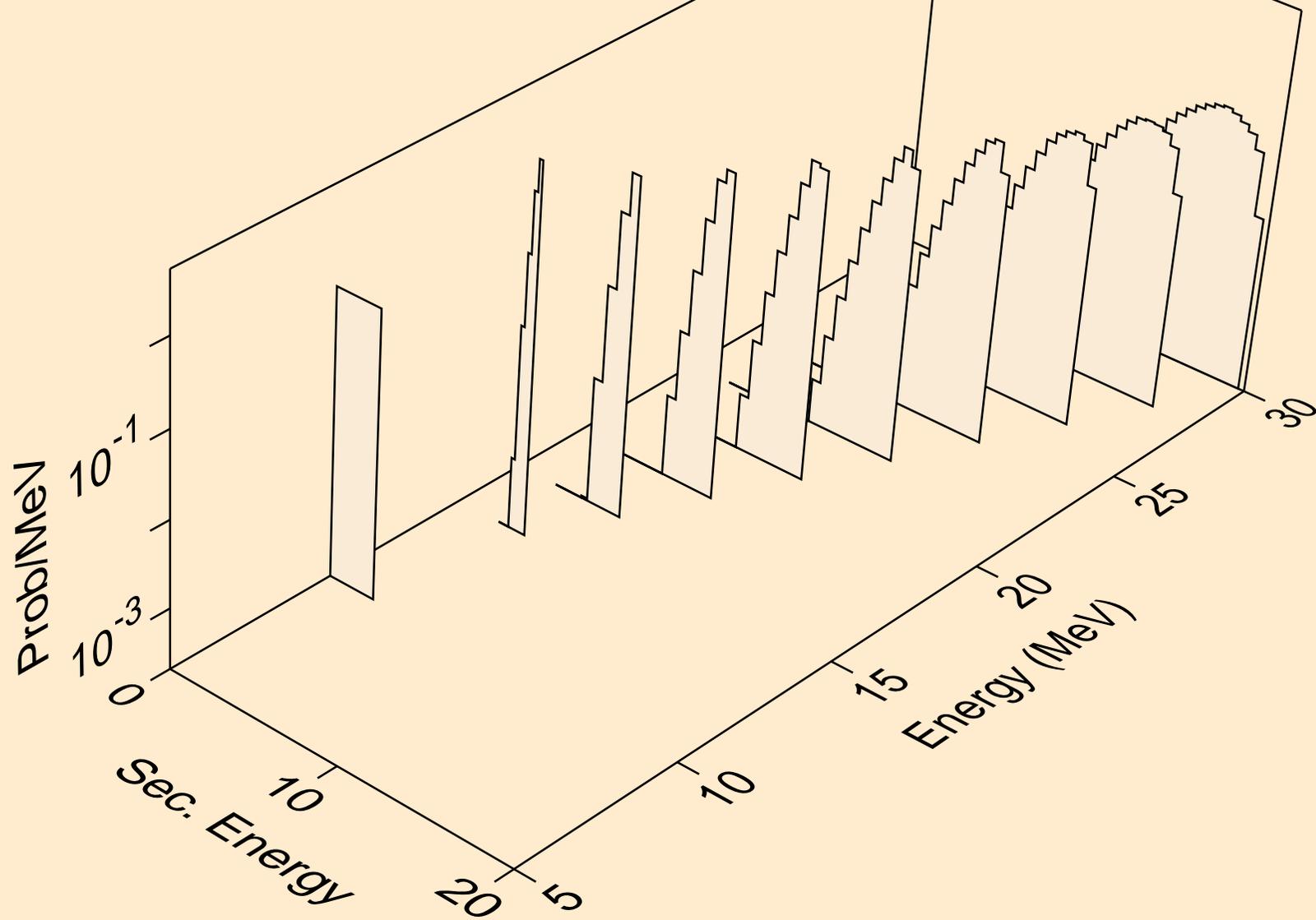
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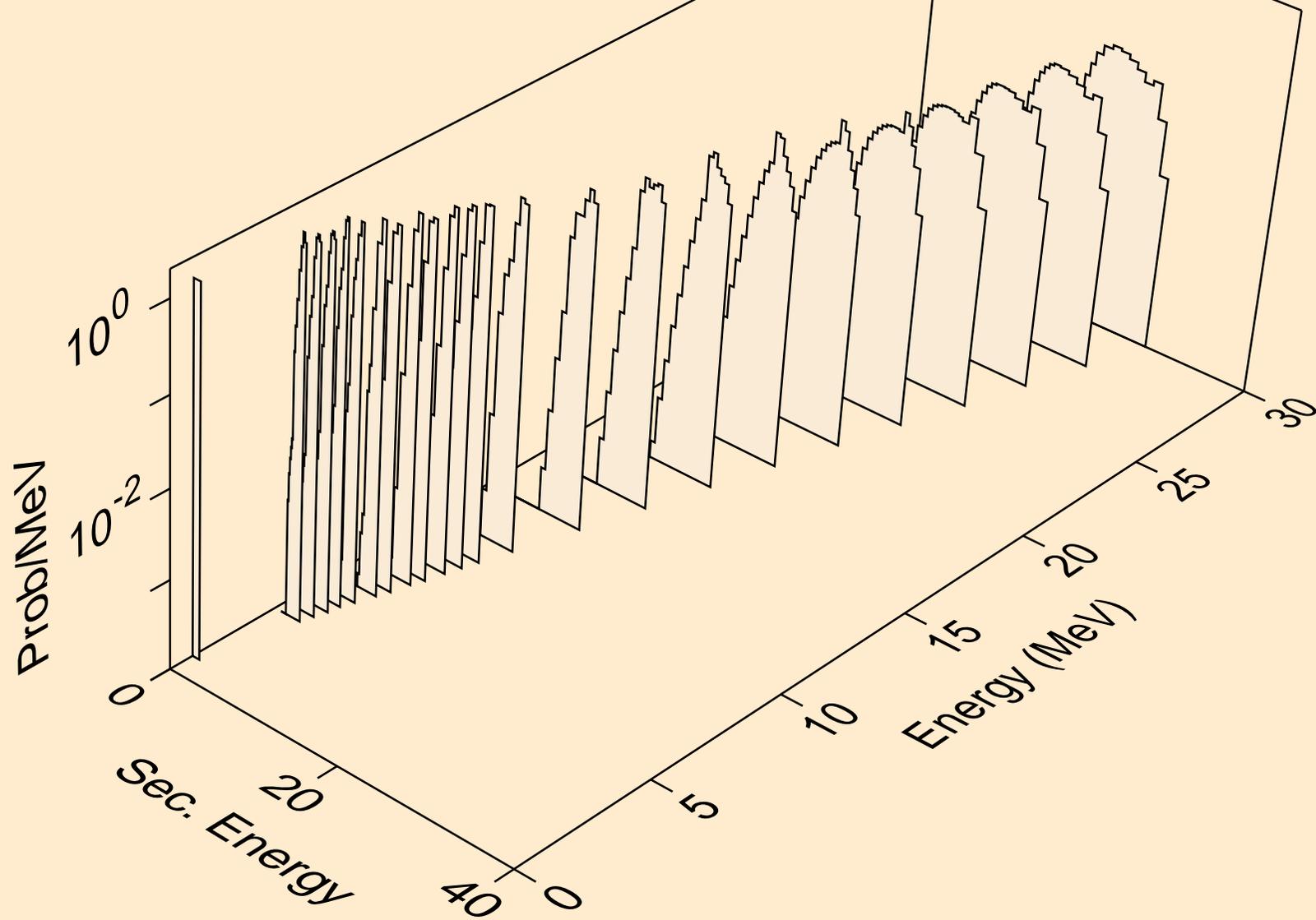
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he3s from (n,x)



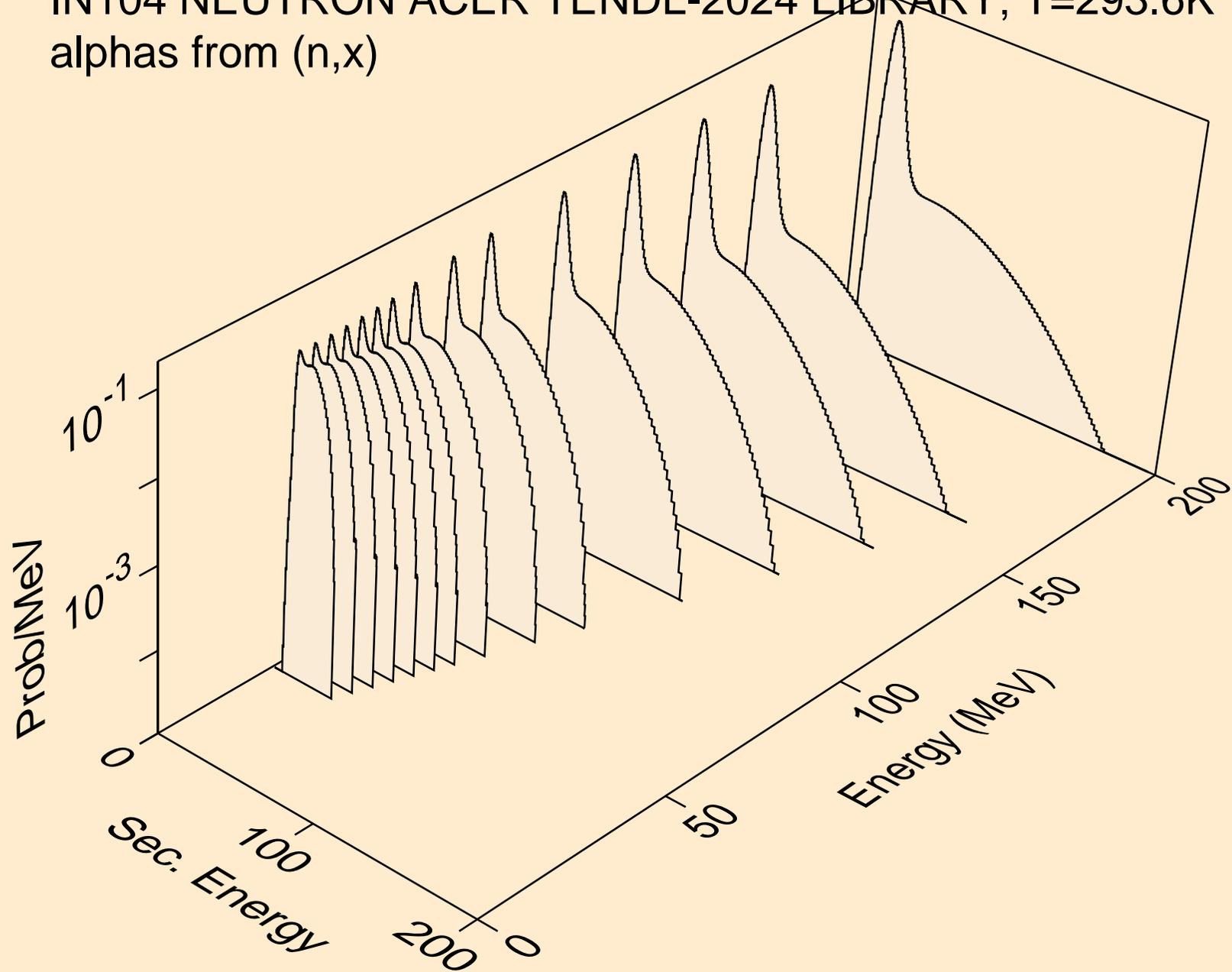
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he3s from (n,n\*)he3



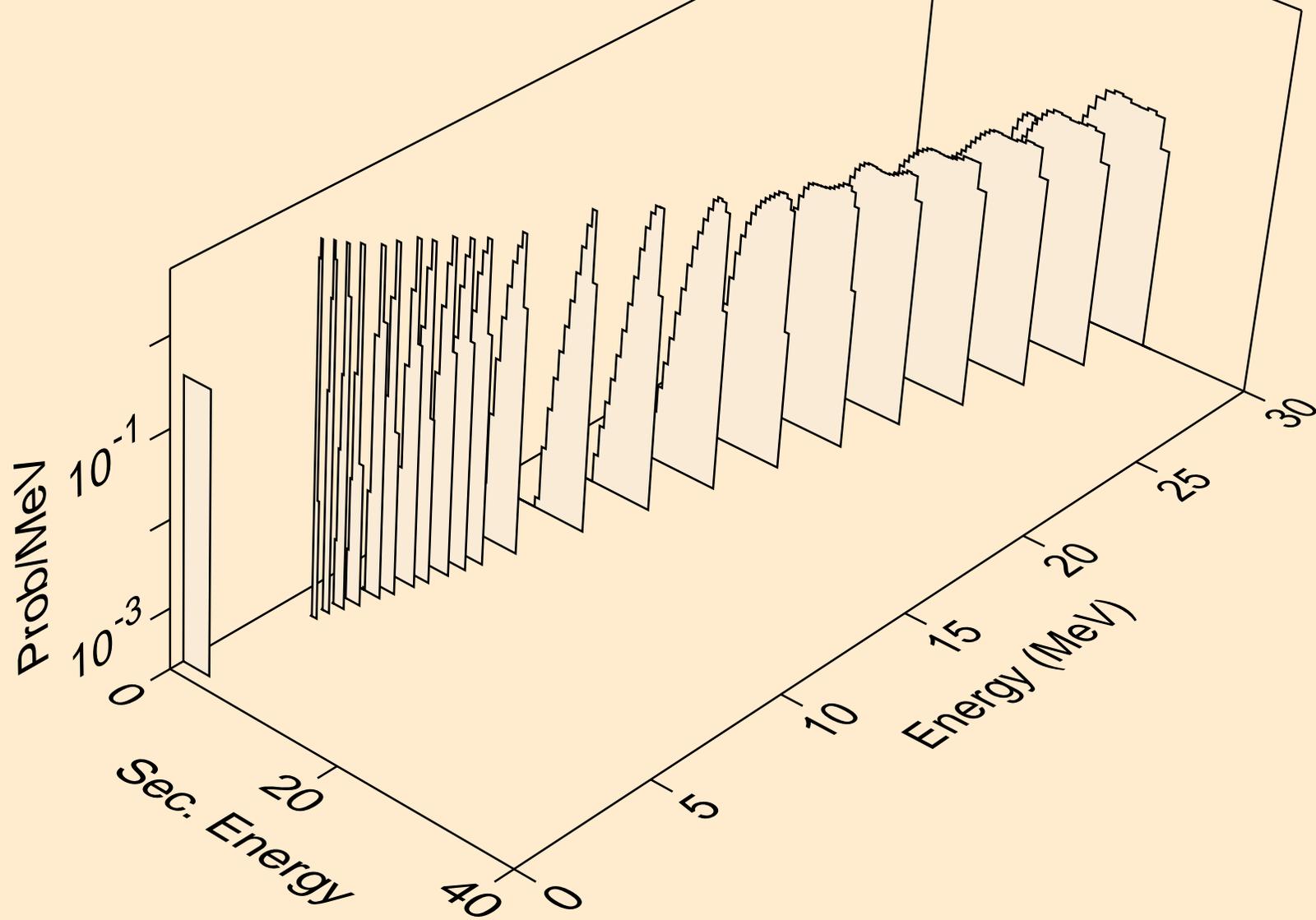
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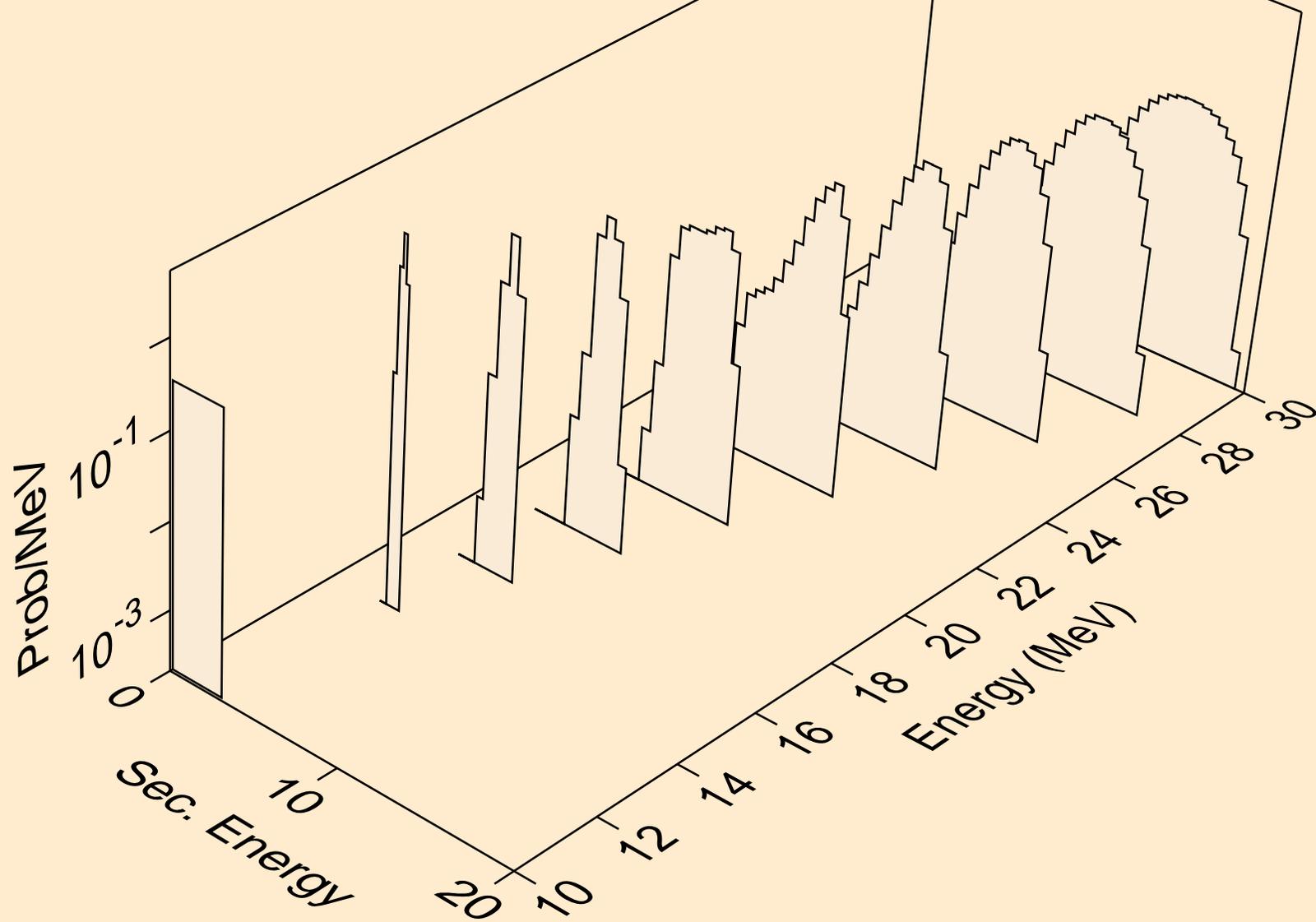
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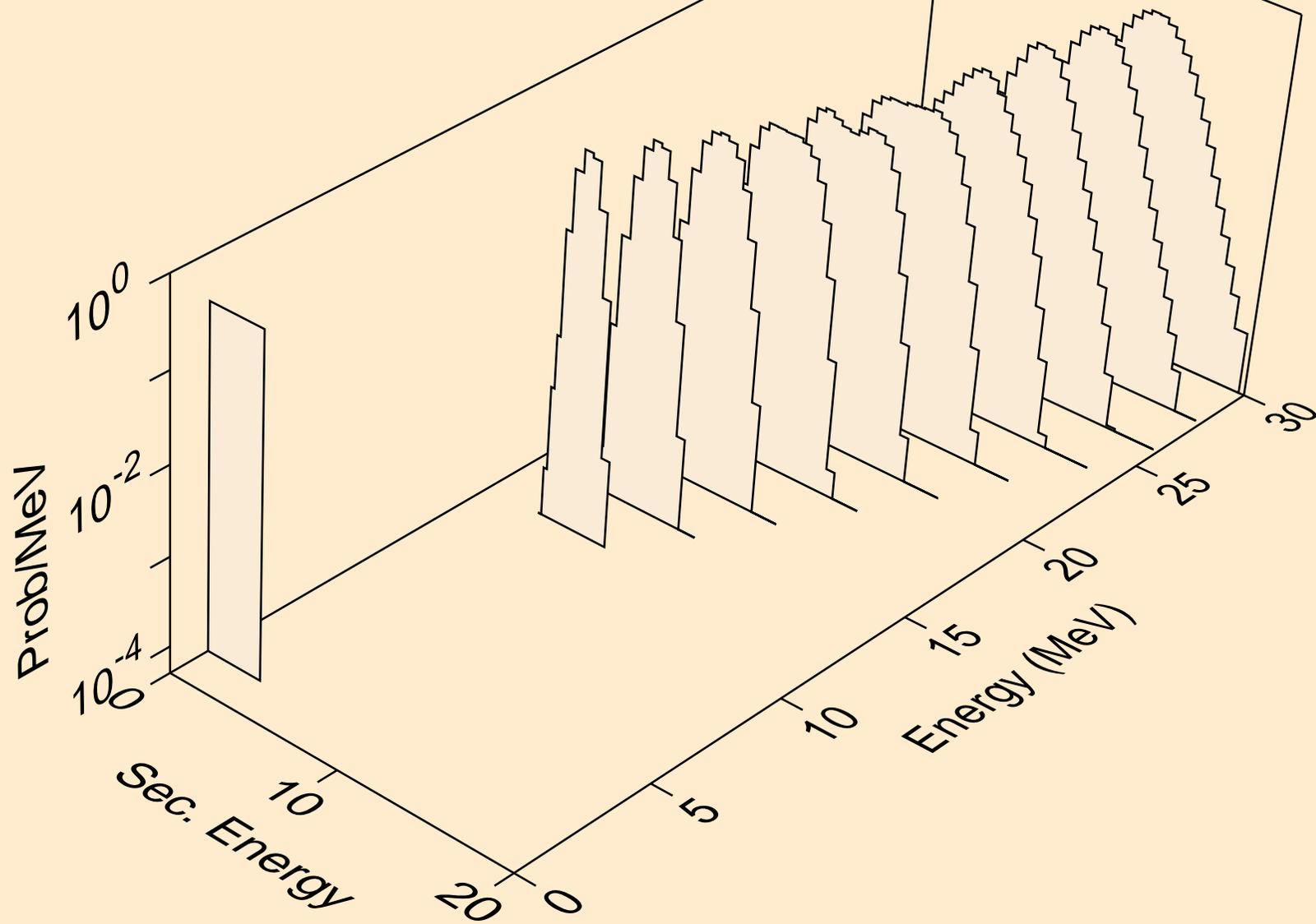
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alphas from (n,n\*)a



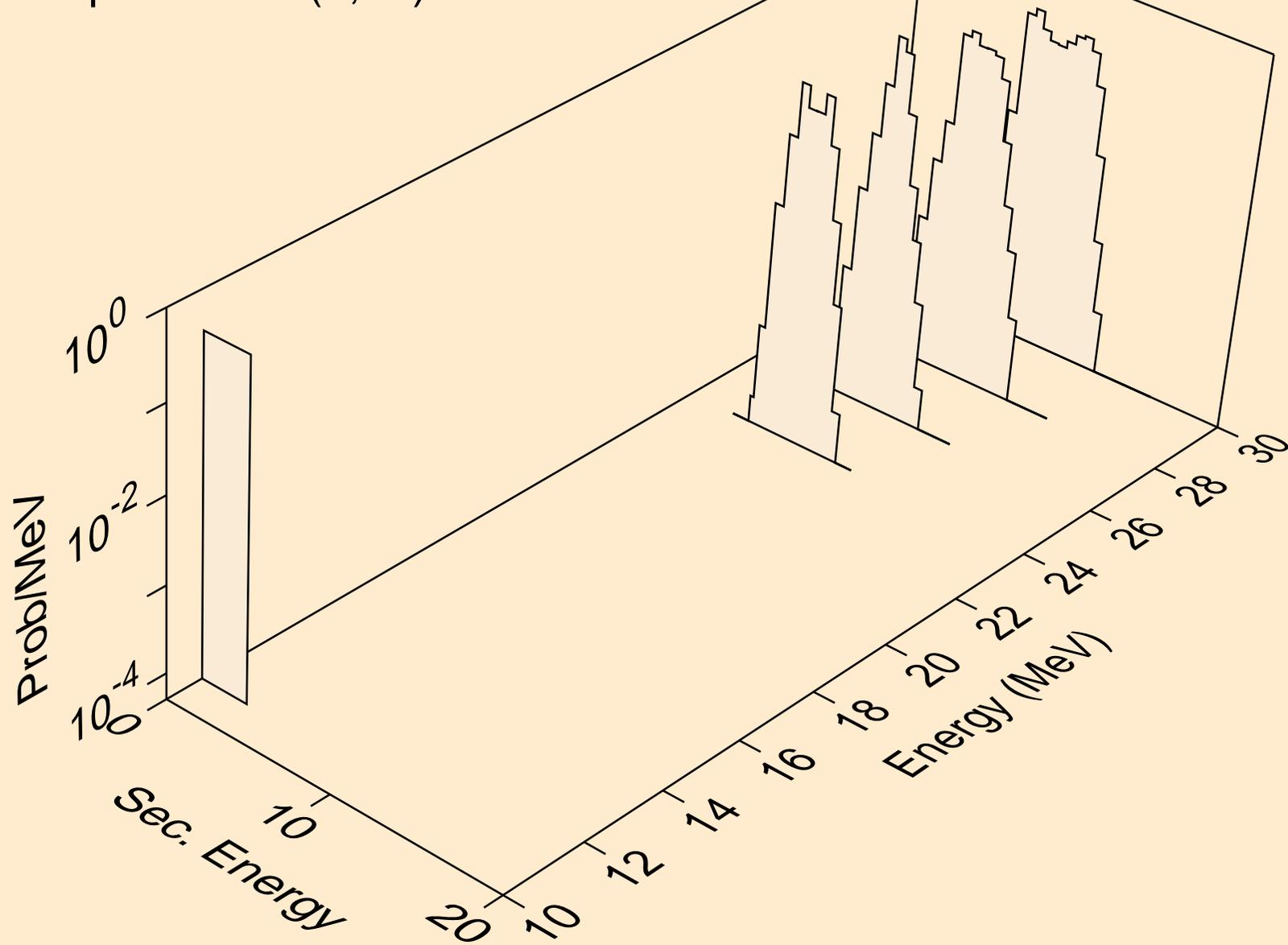
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alphas from (n,2n)a



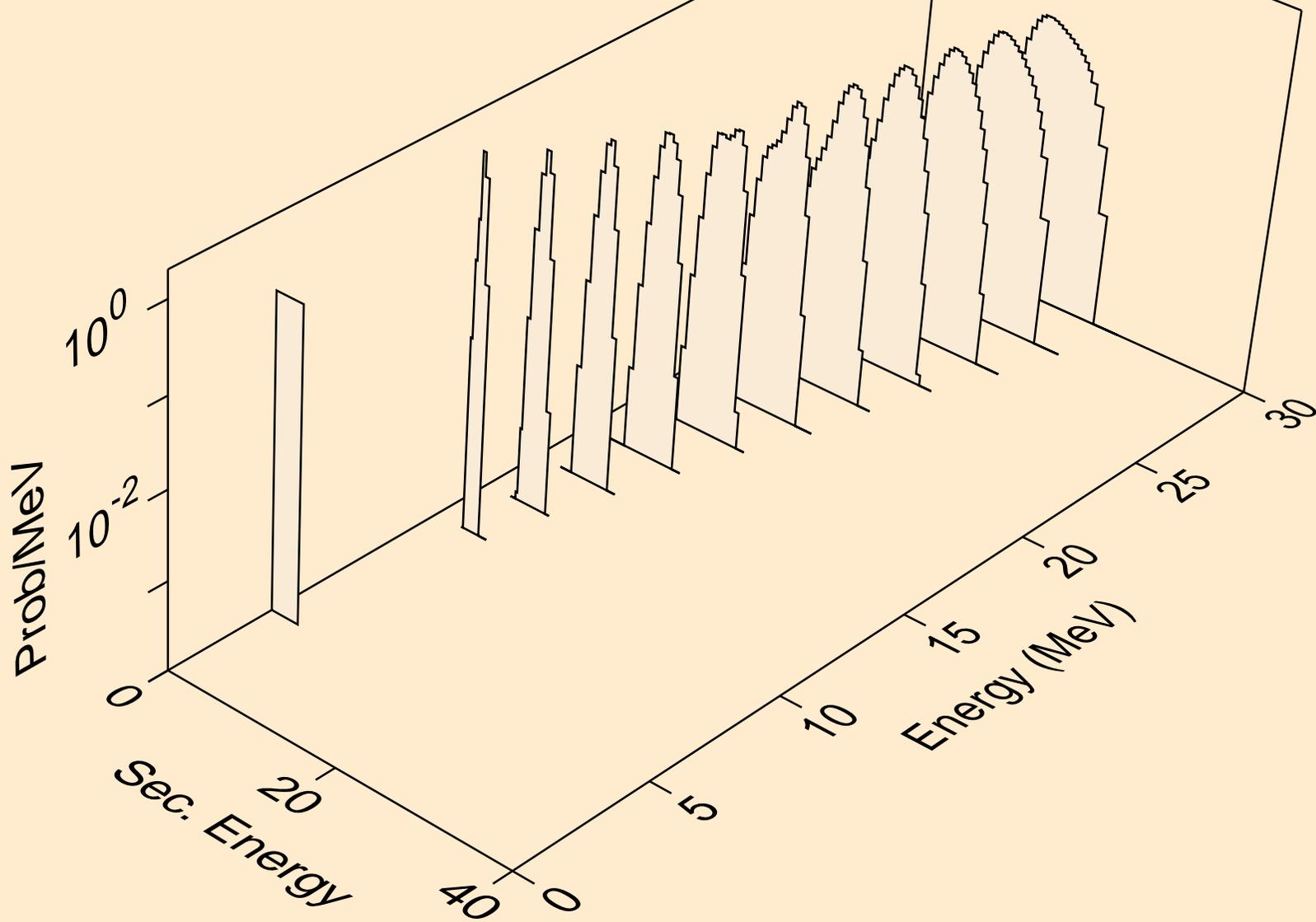
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alphas from (n,n\*)2a



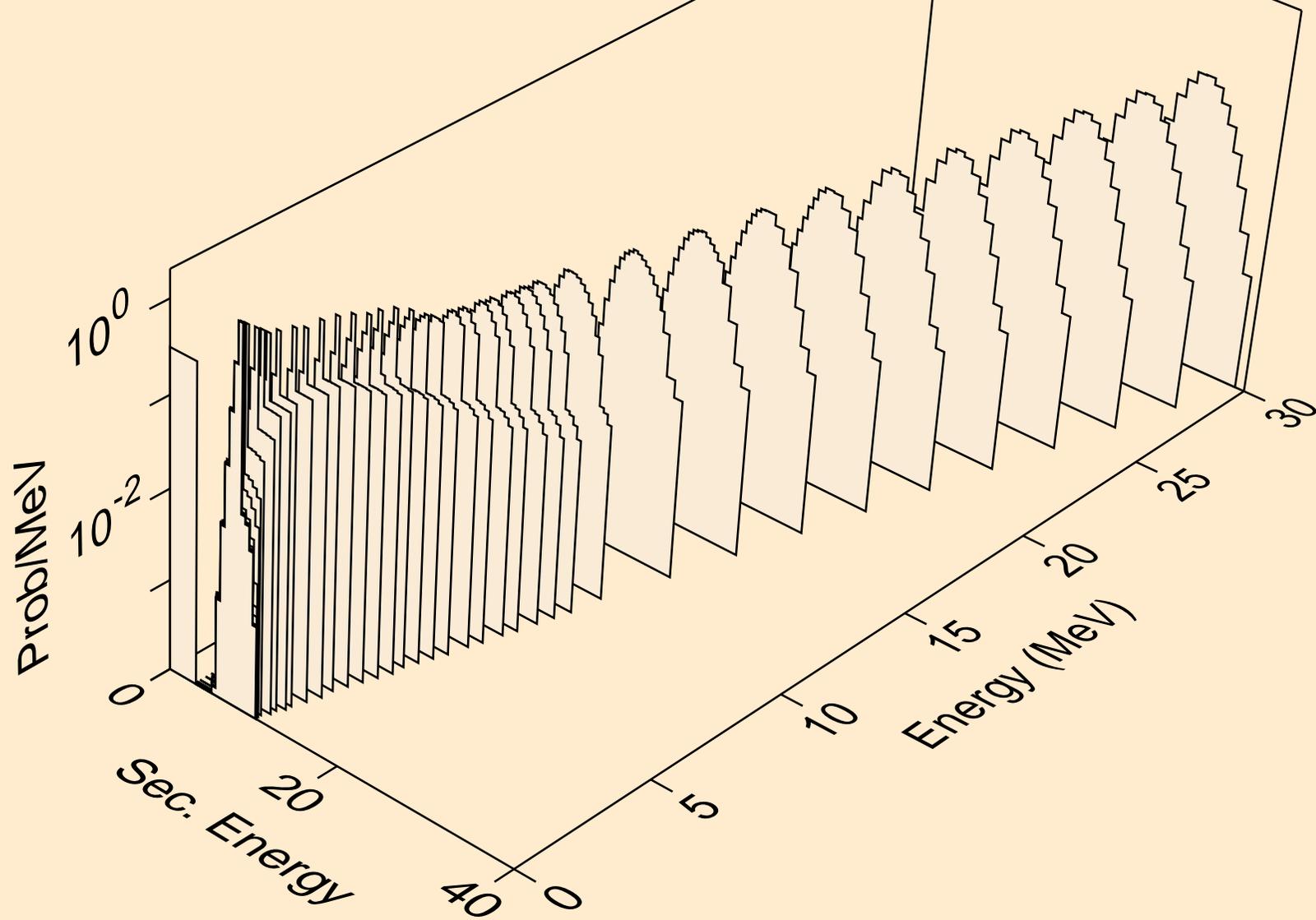
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alphas from (n,2n)2a



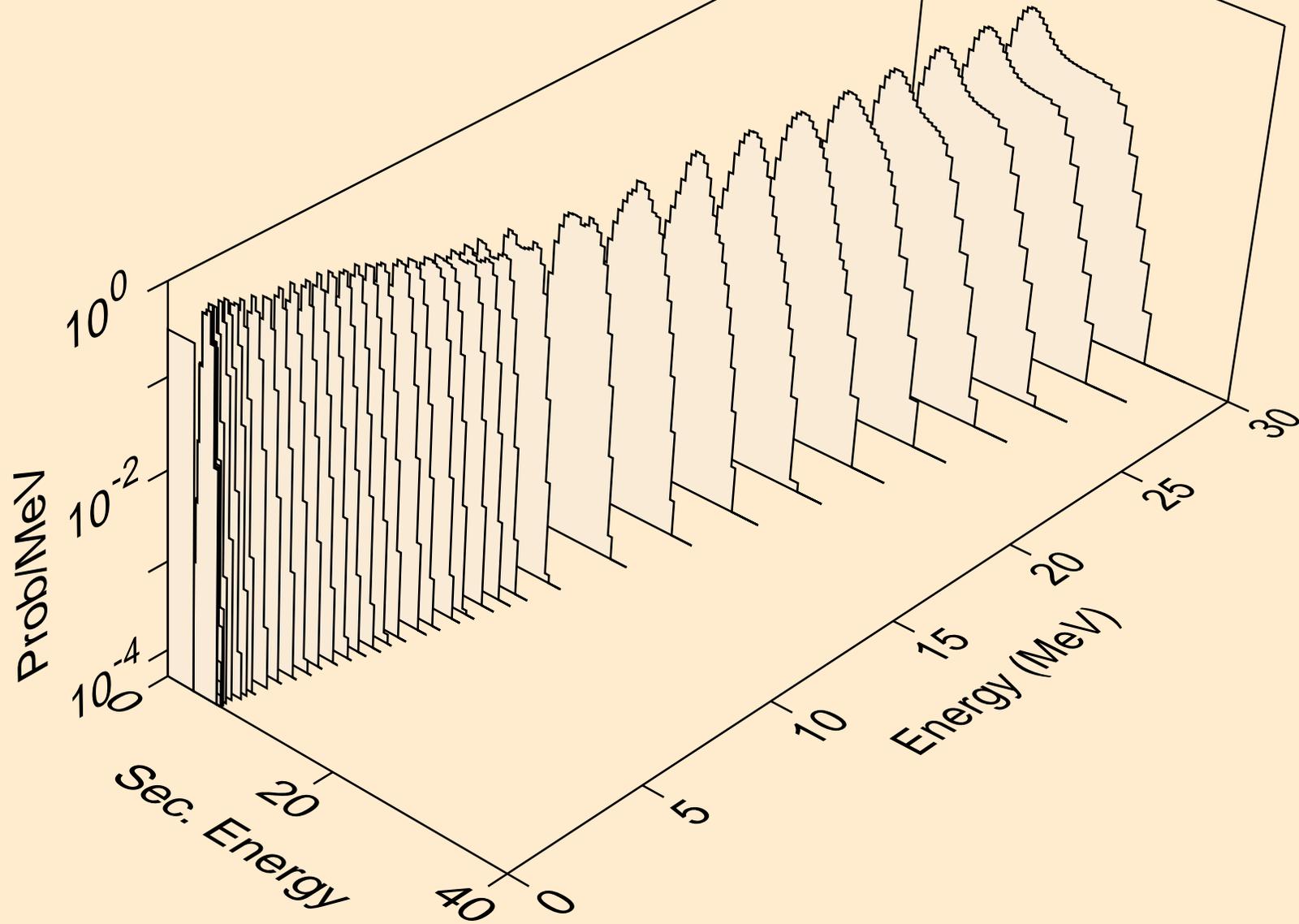
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alphas from (n,npa)



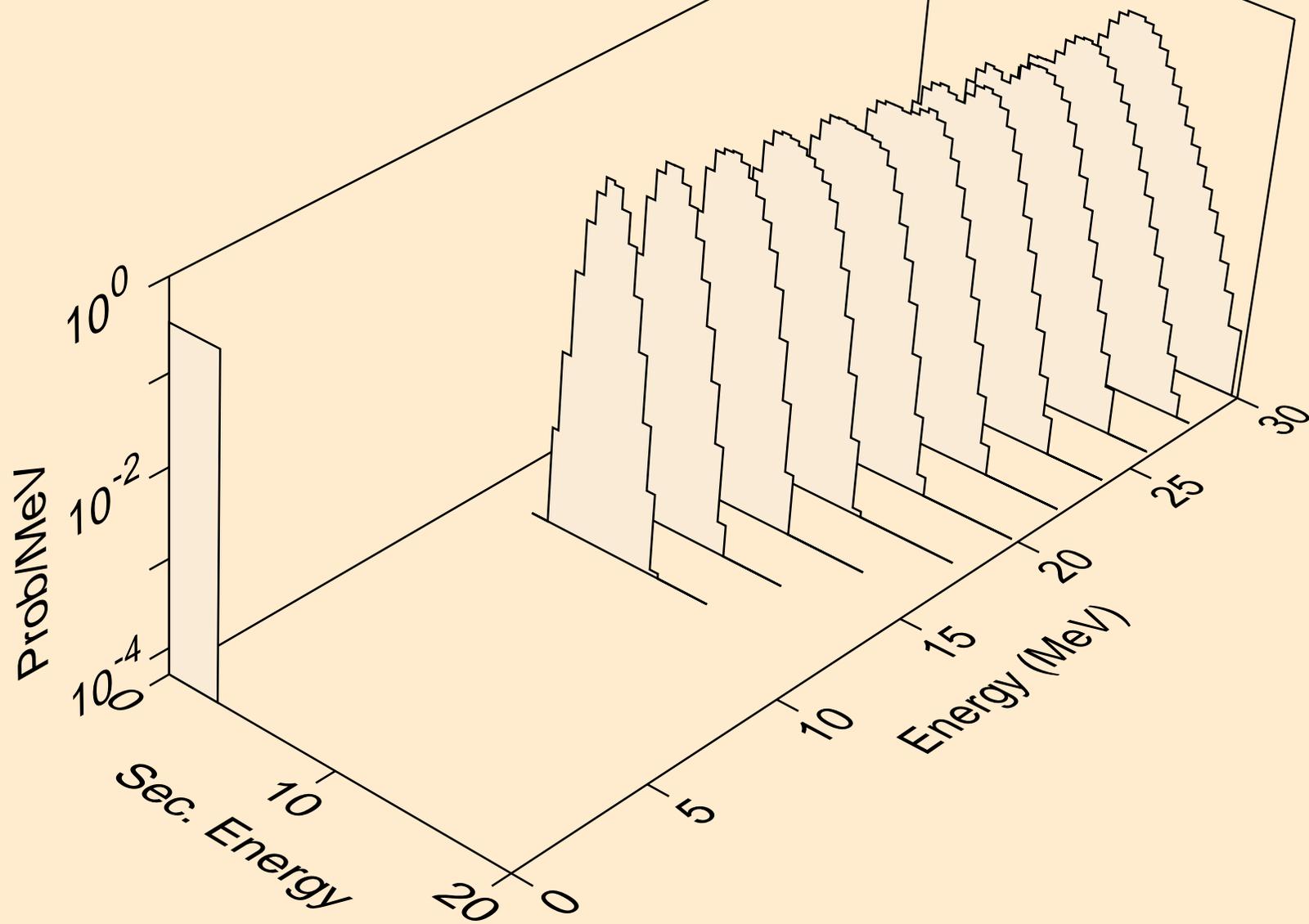
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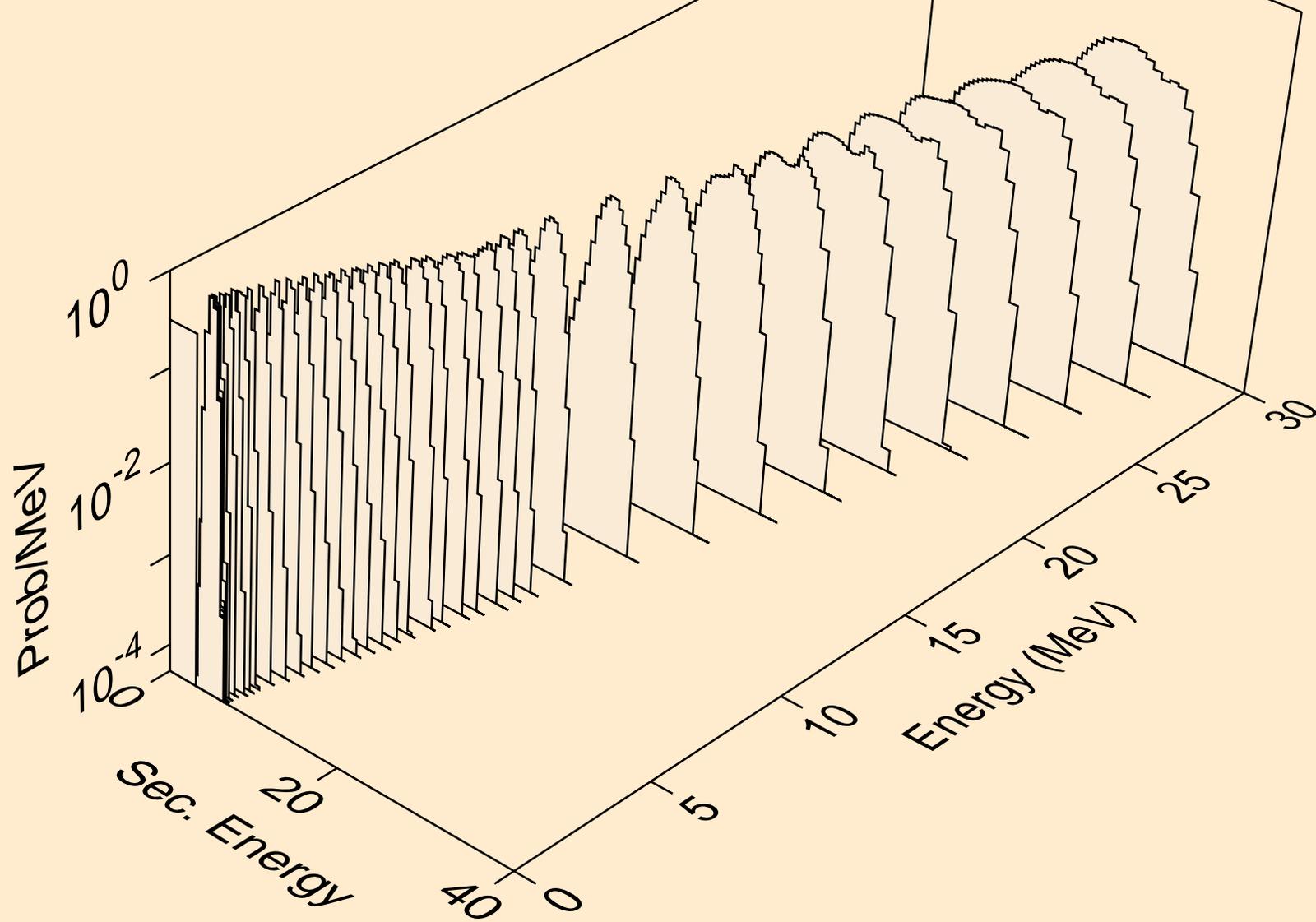
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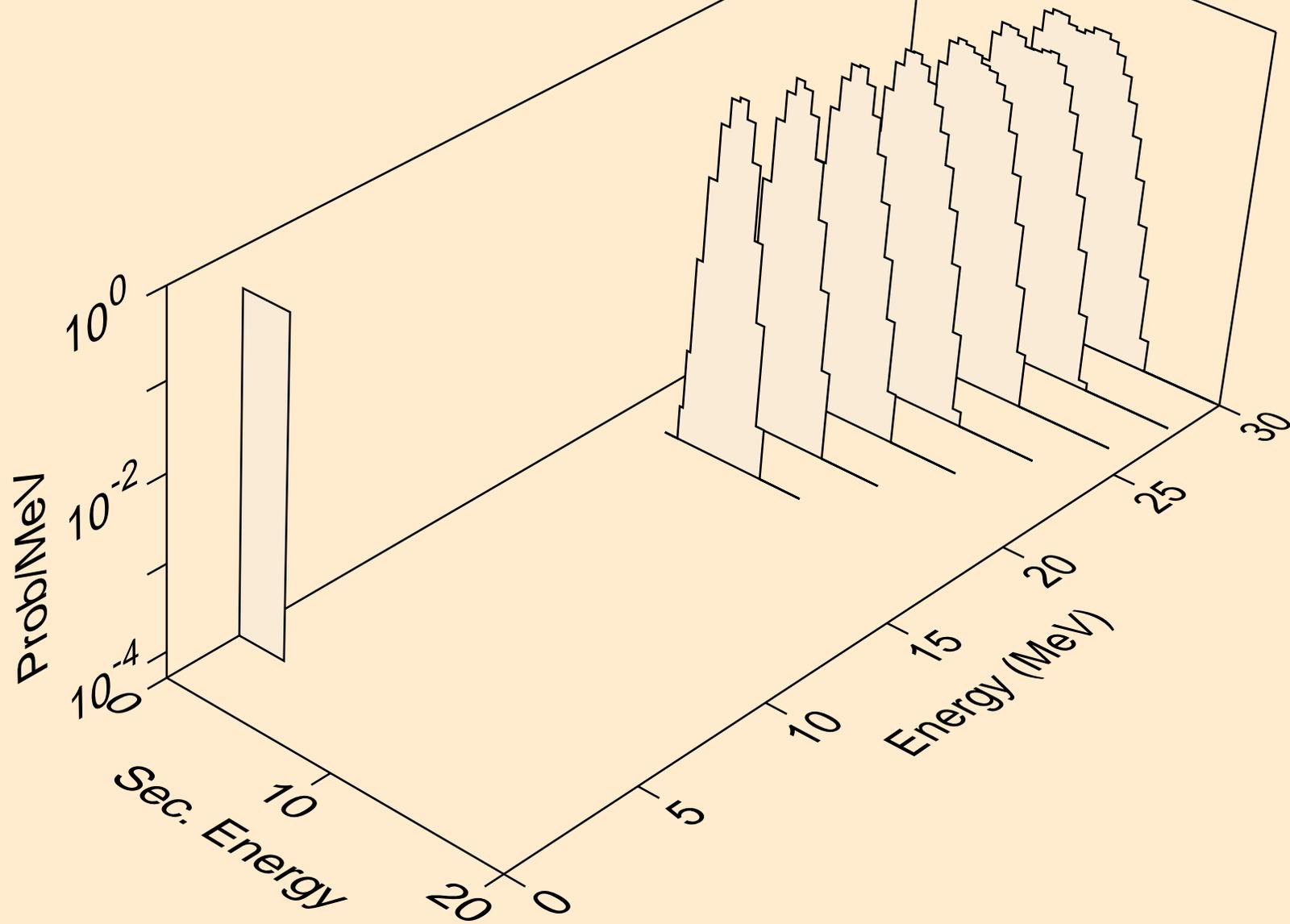
IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,3a)



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,pa)



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,d2a)



IN104 NEUTRON ACER TENDL-2024 LIBRARY; T=293.6K  
alphas from (n,da)

