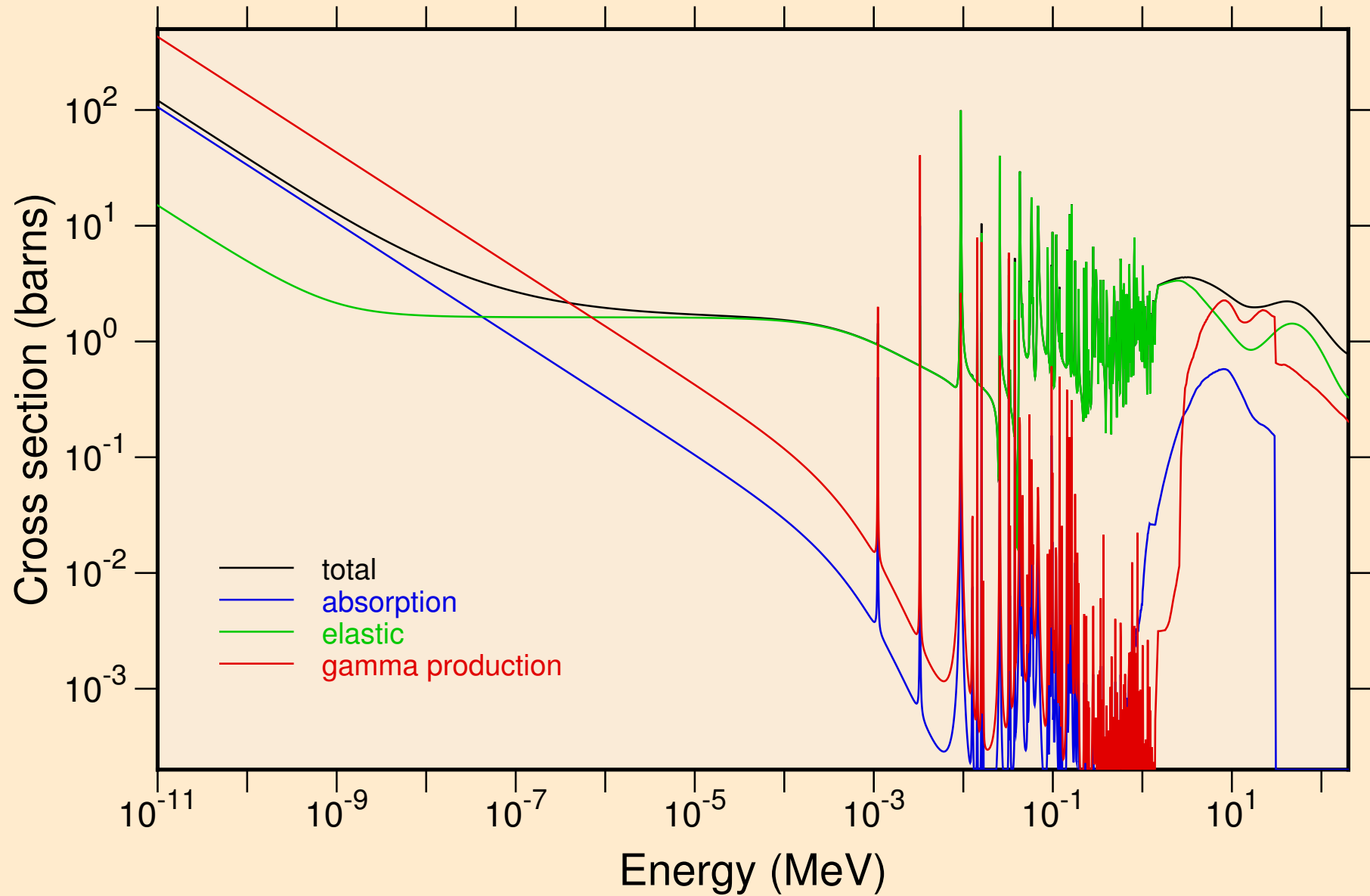
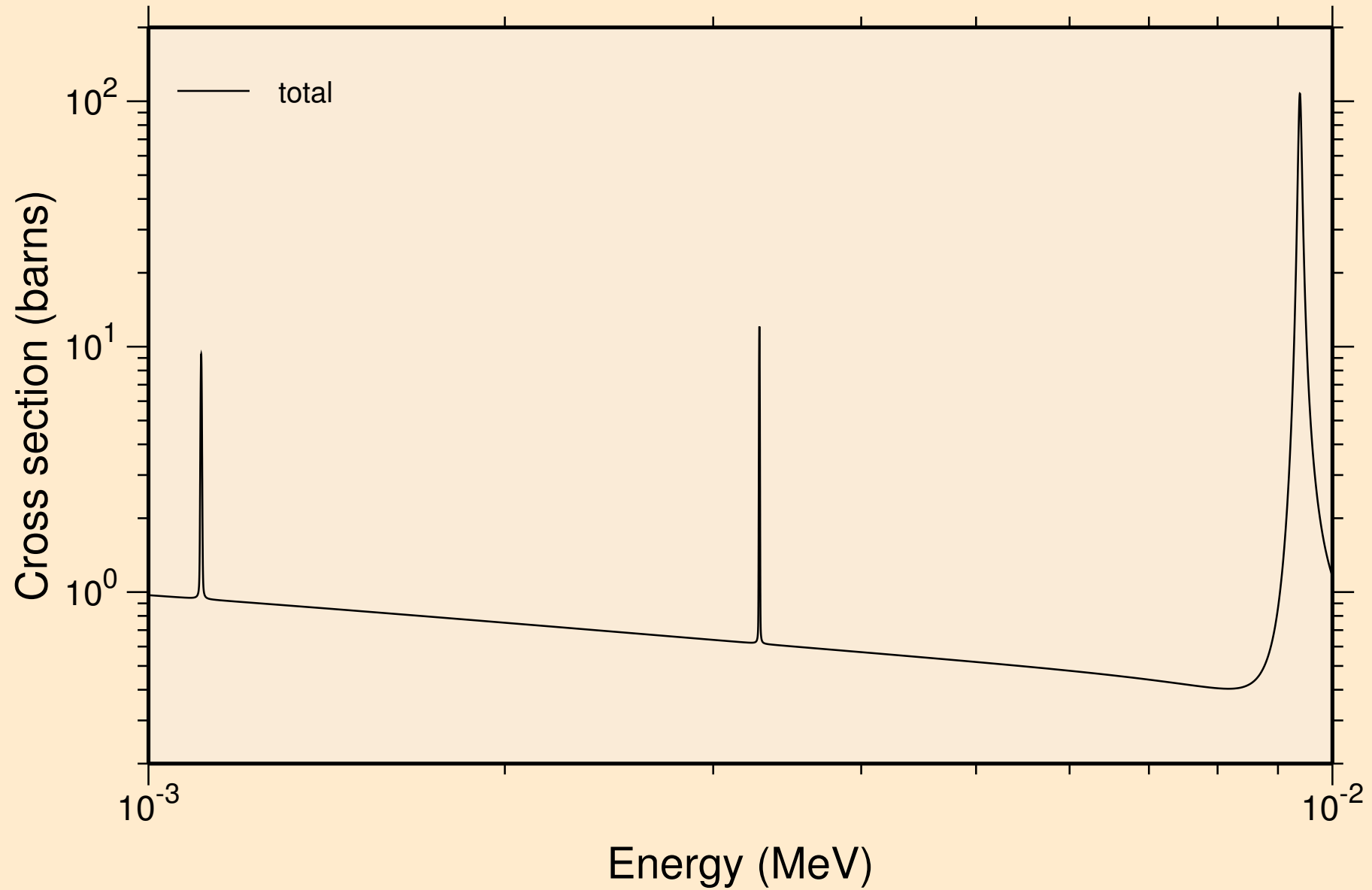


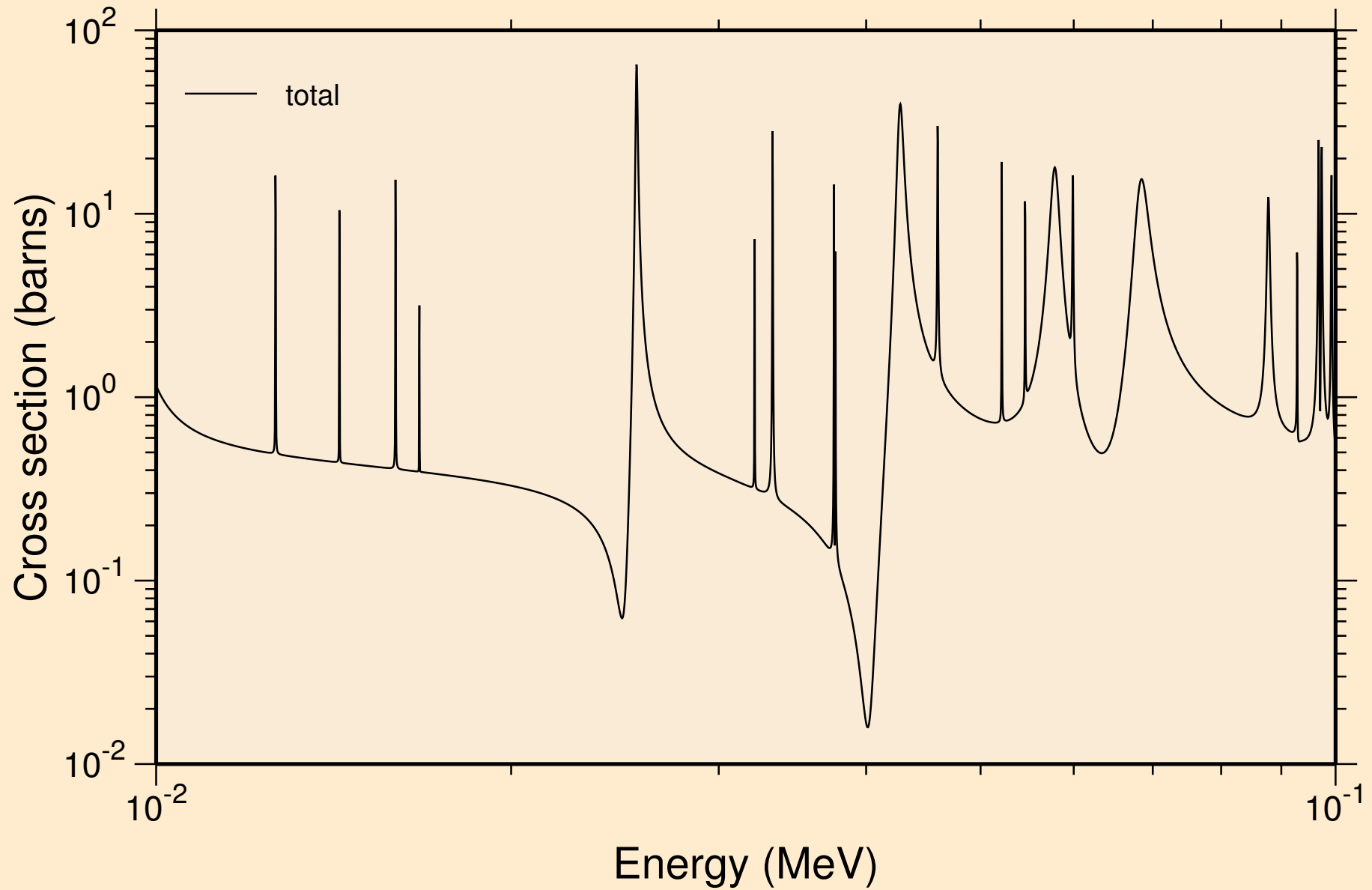
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Principal cross sections



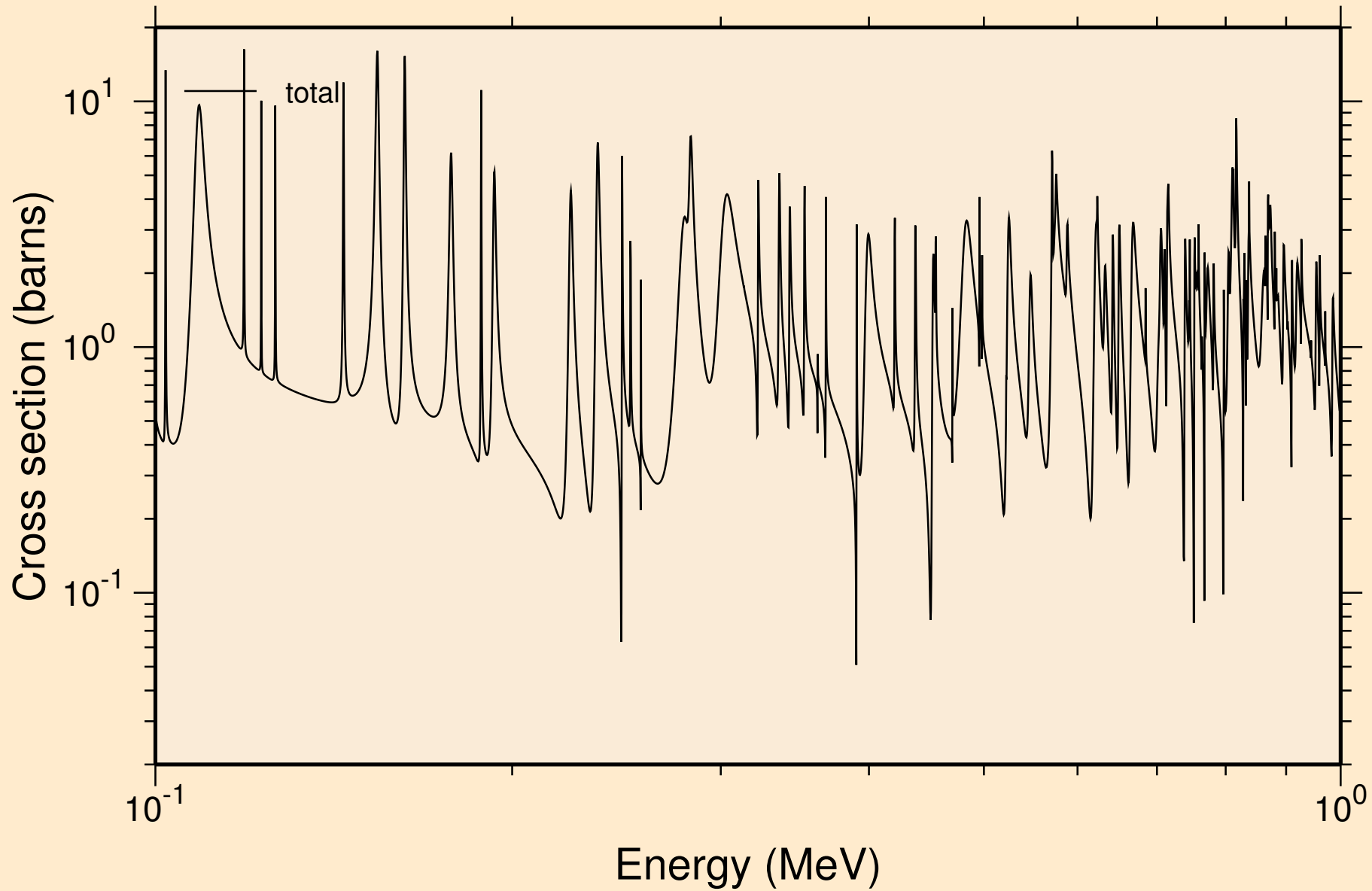
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance total cross section



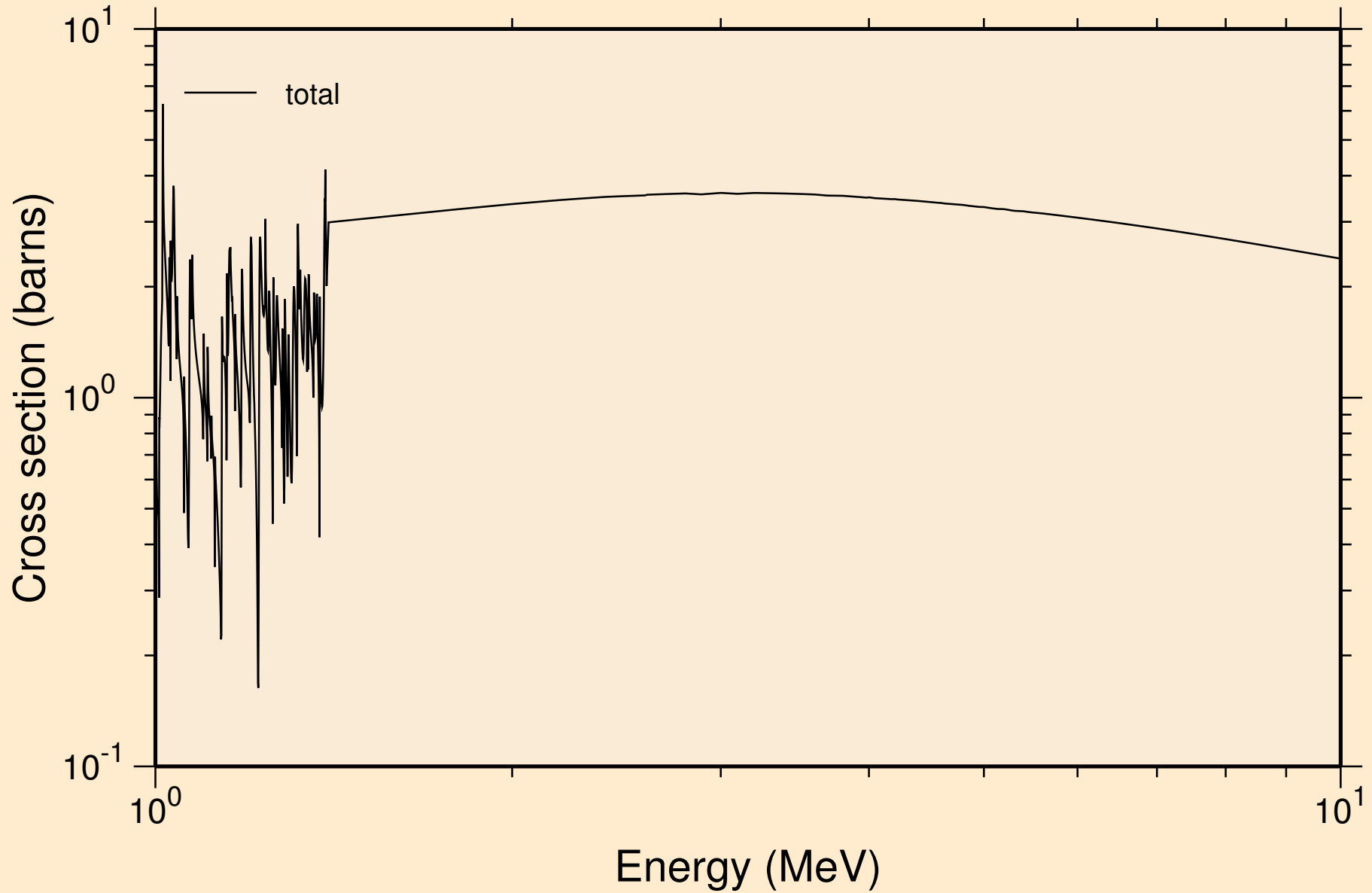
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance total cross section



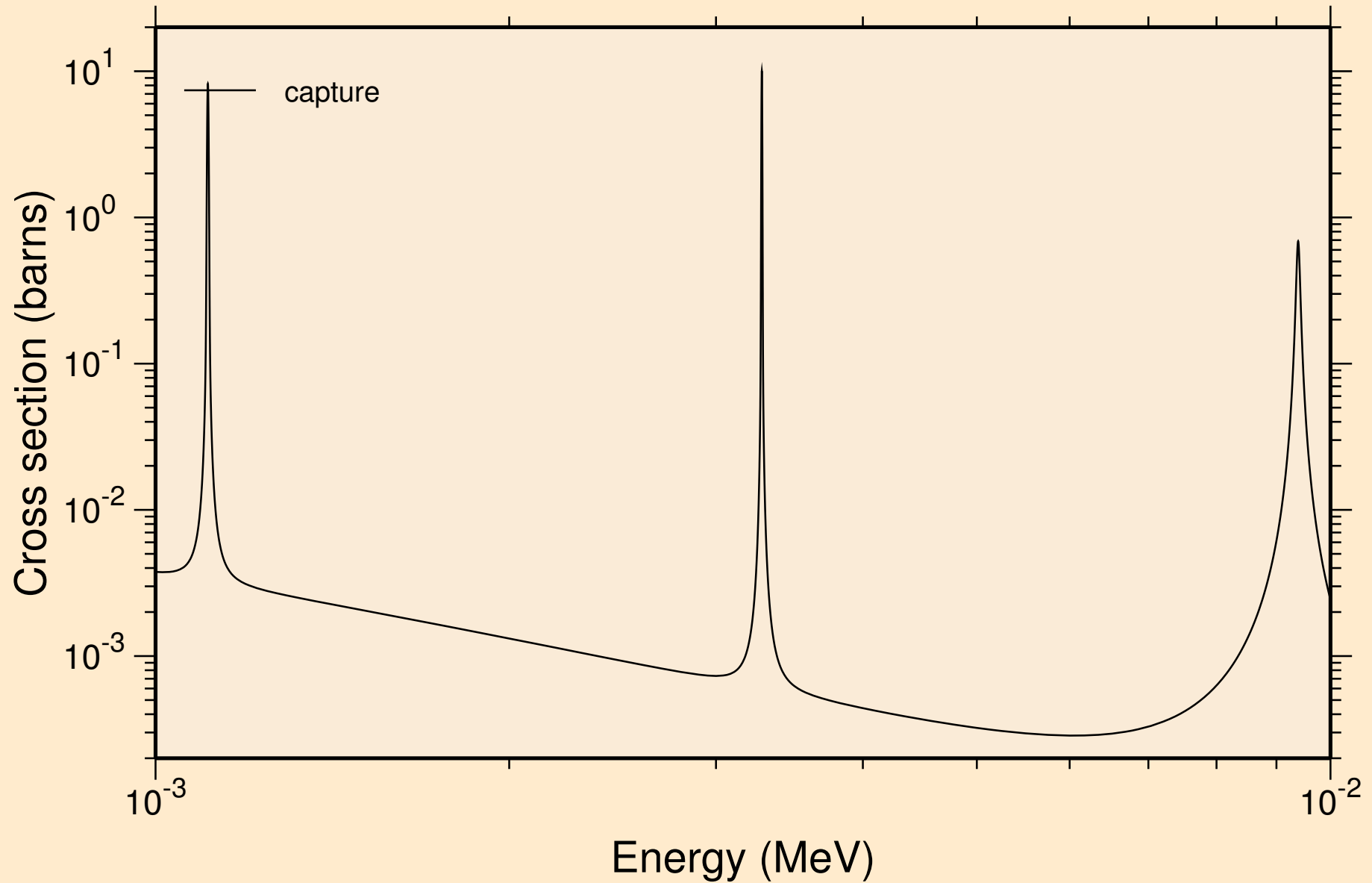
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance total cross section



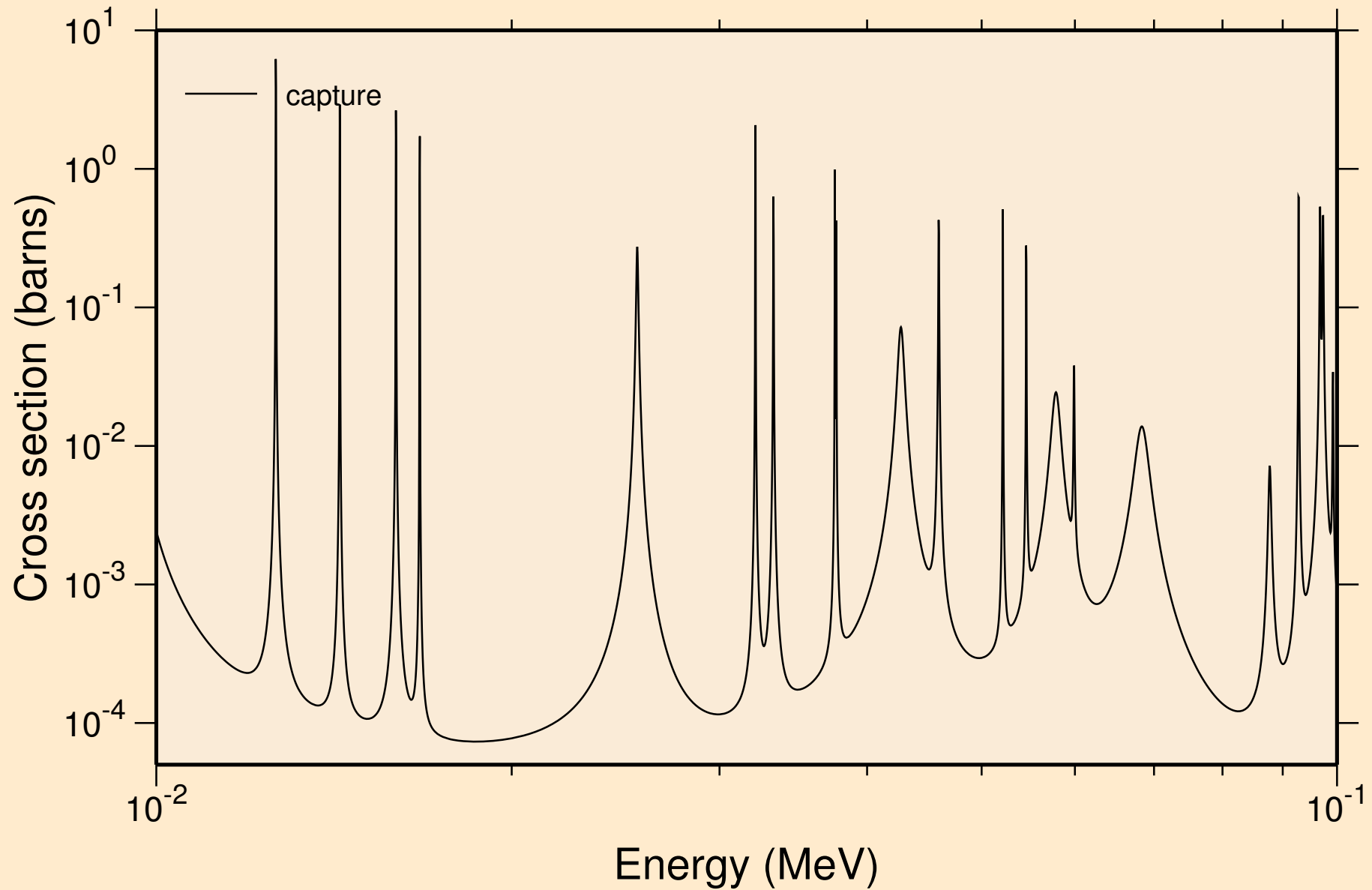
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance total cross section



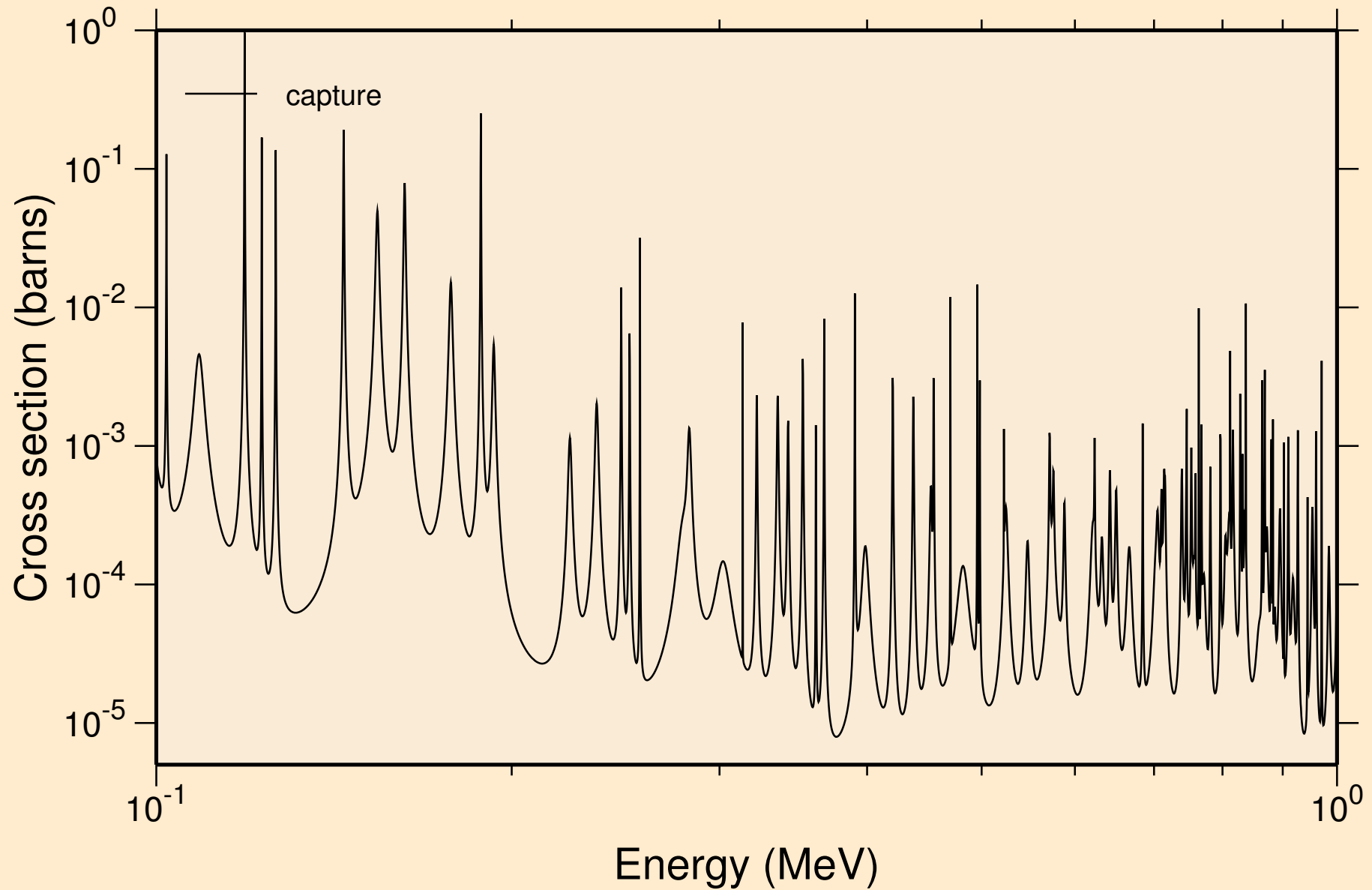
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance absorption cross sections



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance absorption cross sections

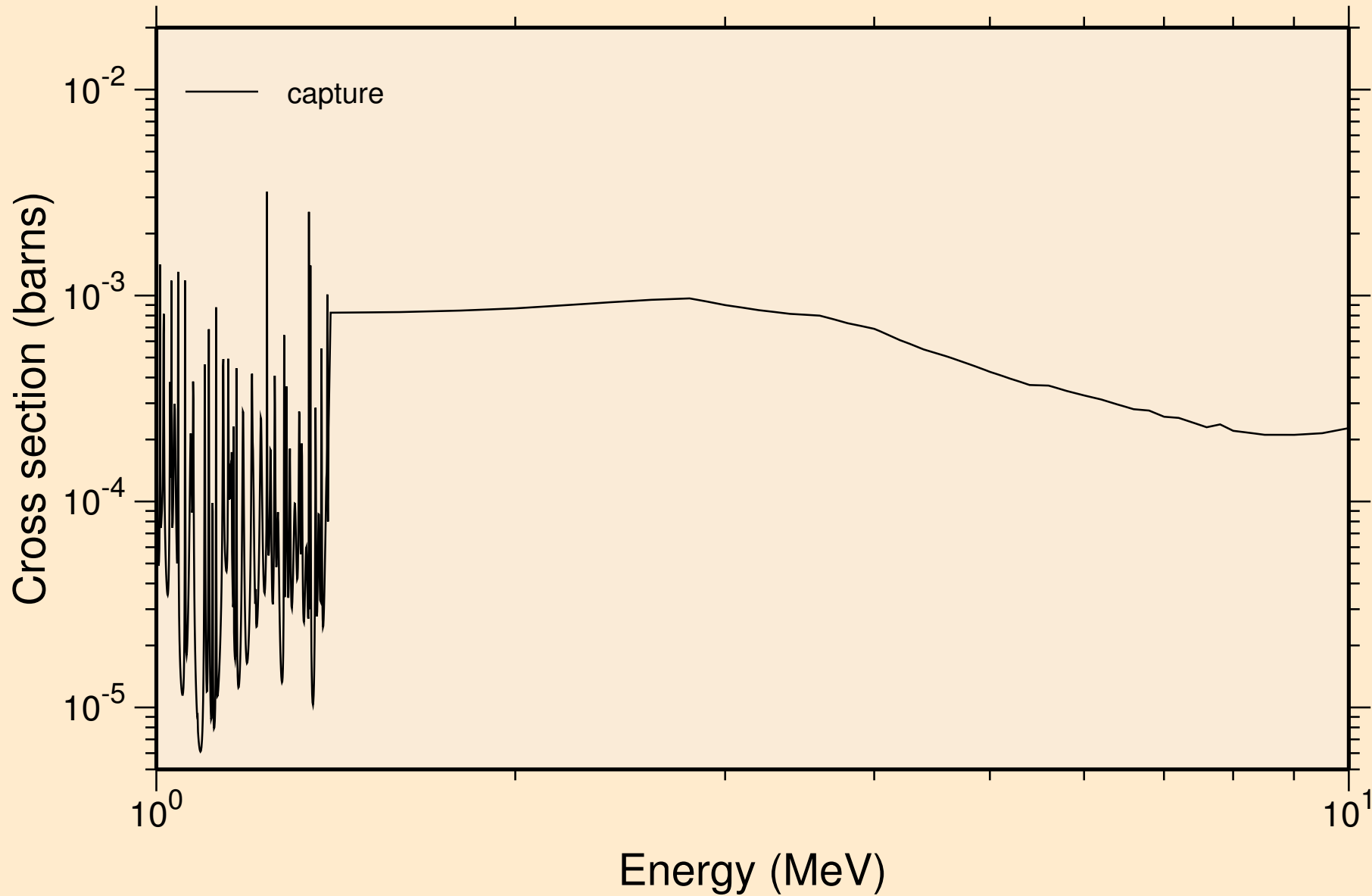


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance absorption cross sections

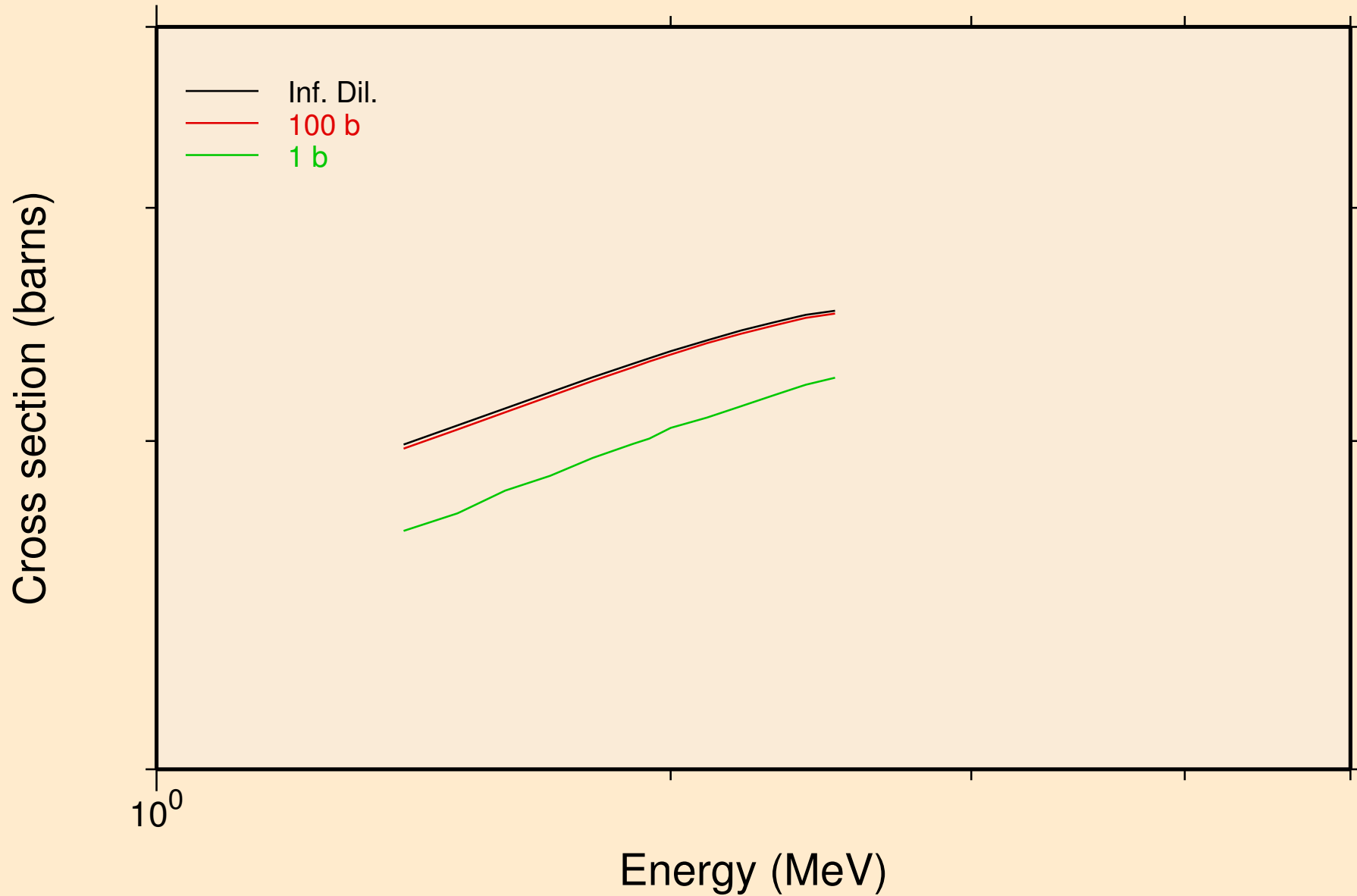




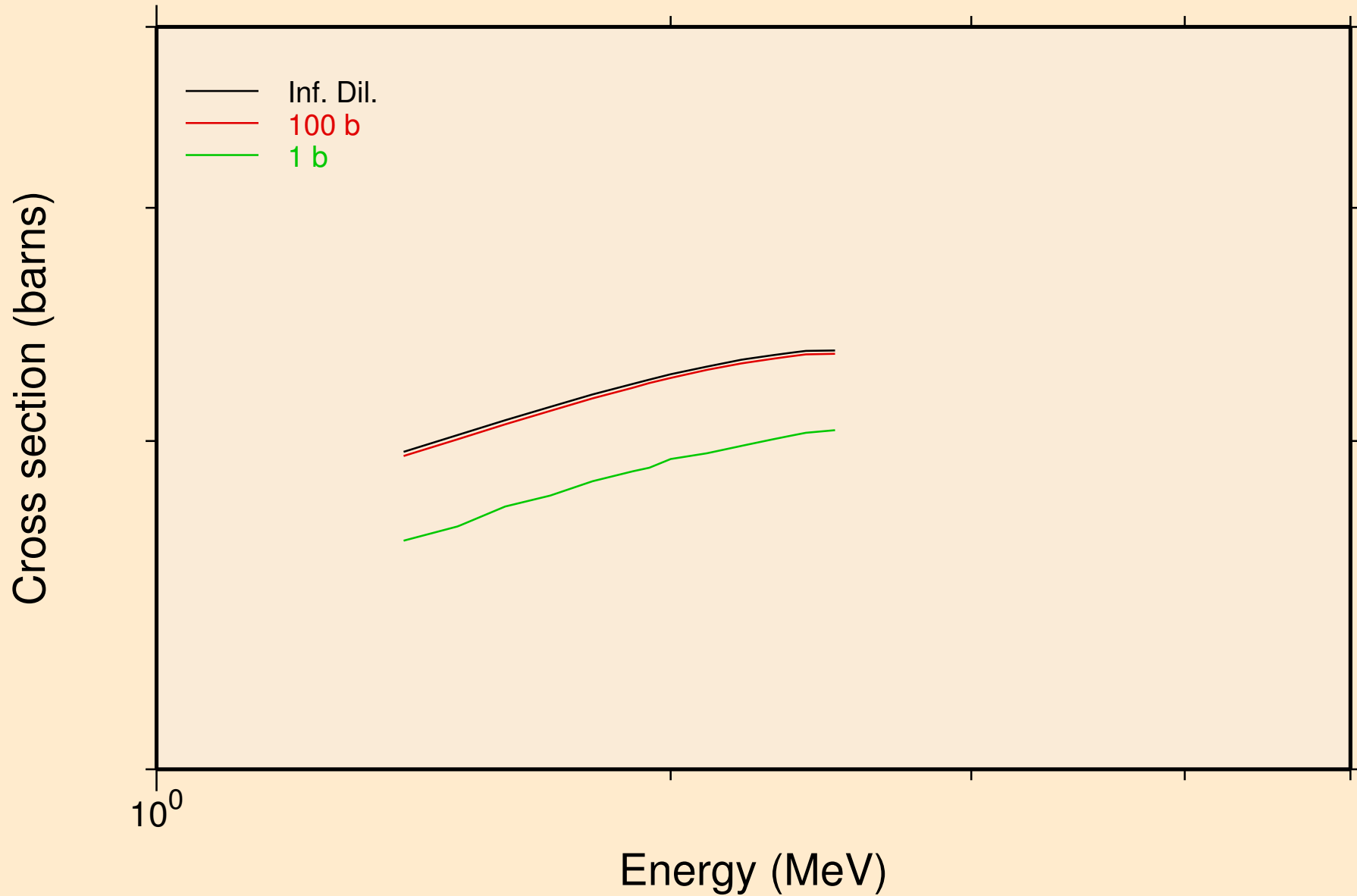
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
resonance absorption cross sections



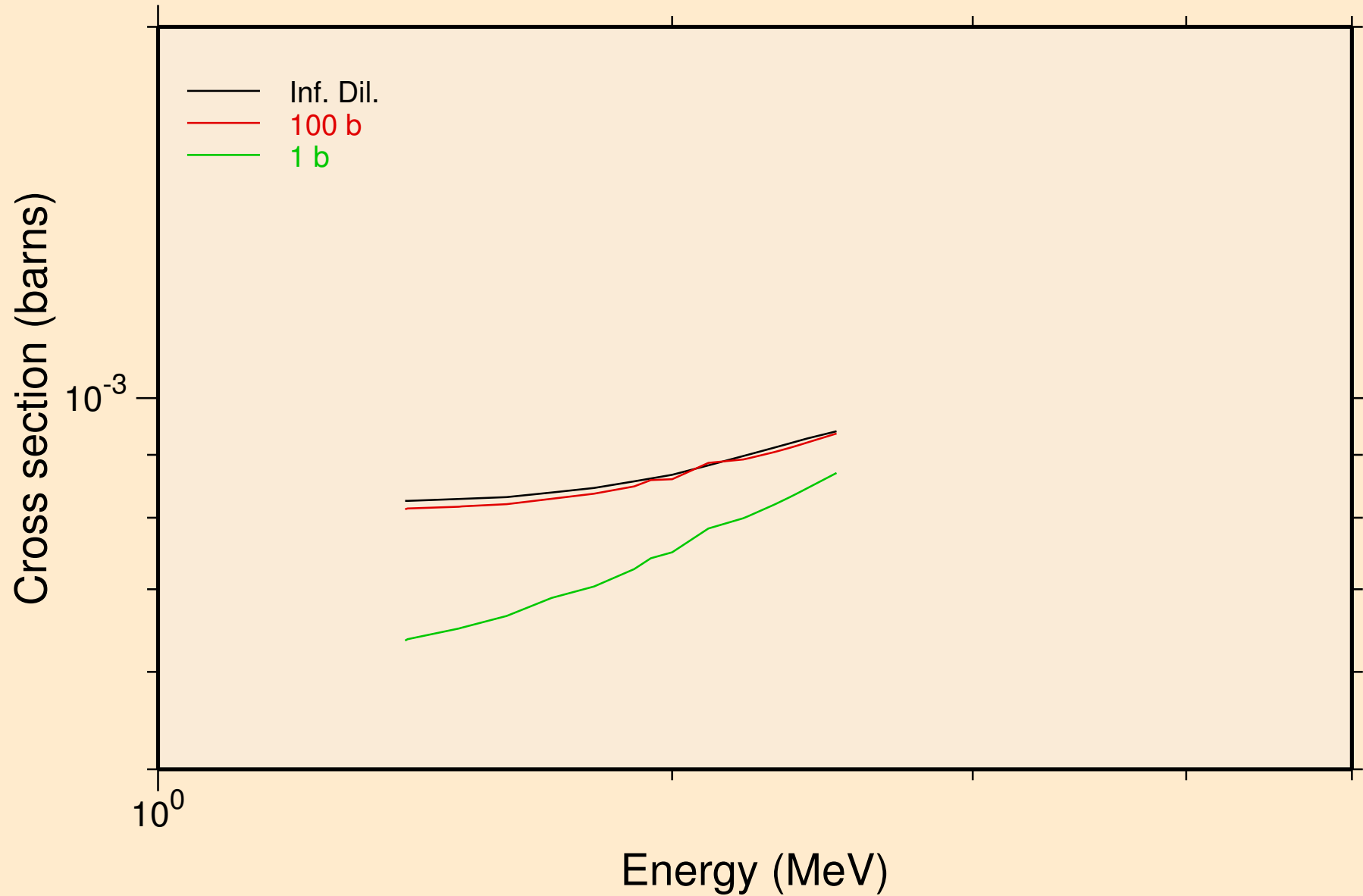
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
UR total cross section



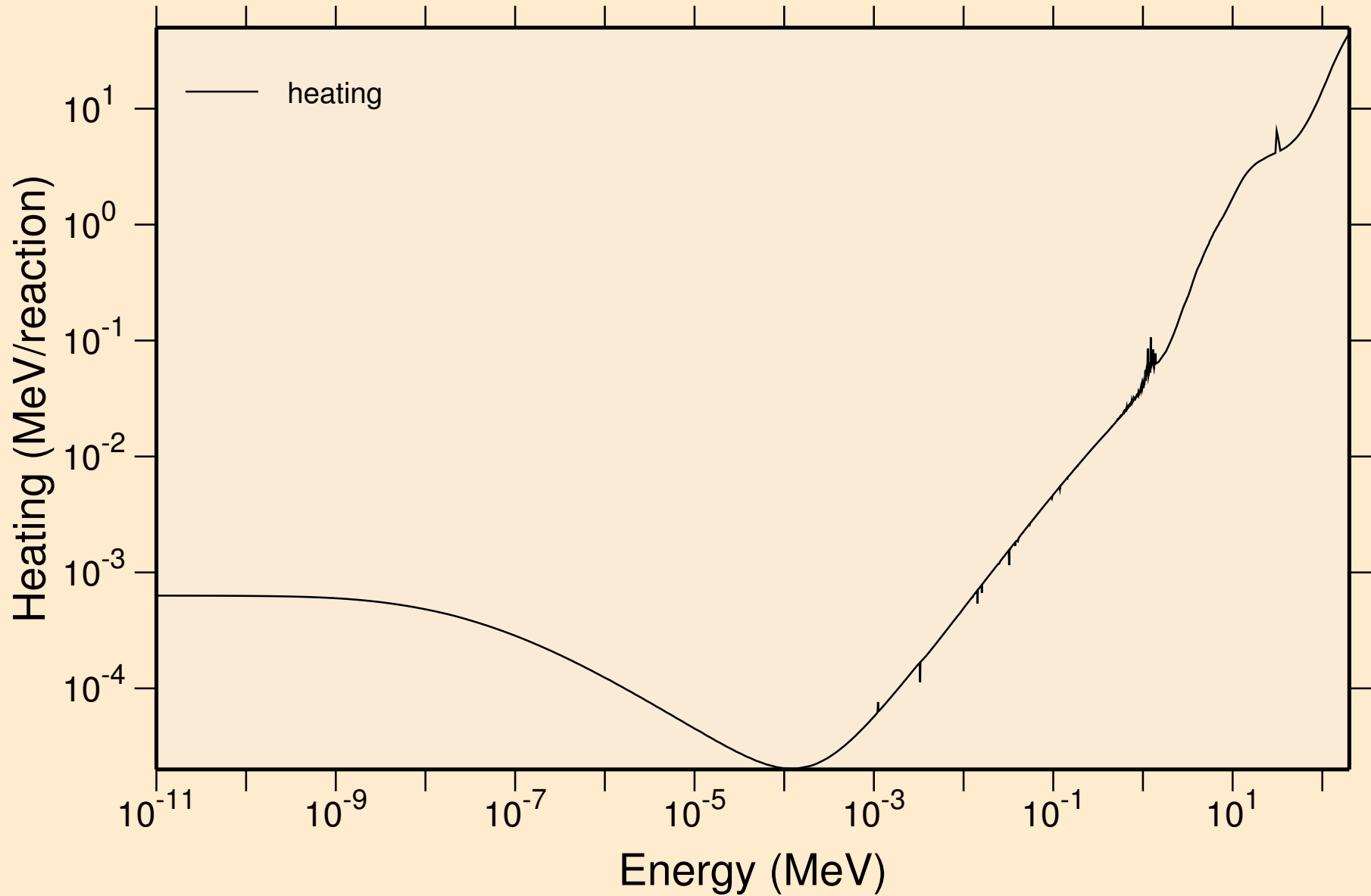
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
UR elastic cross section



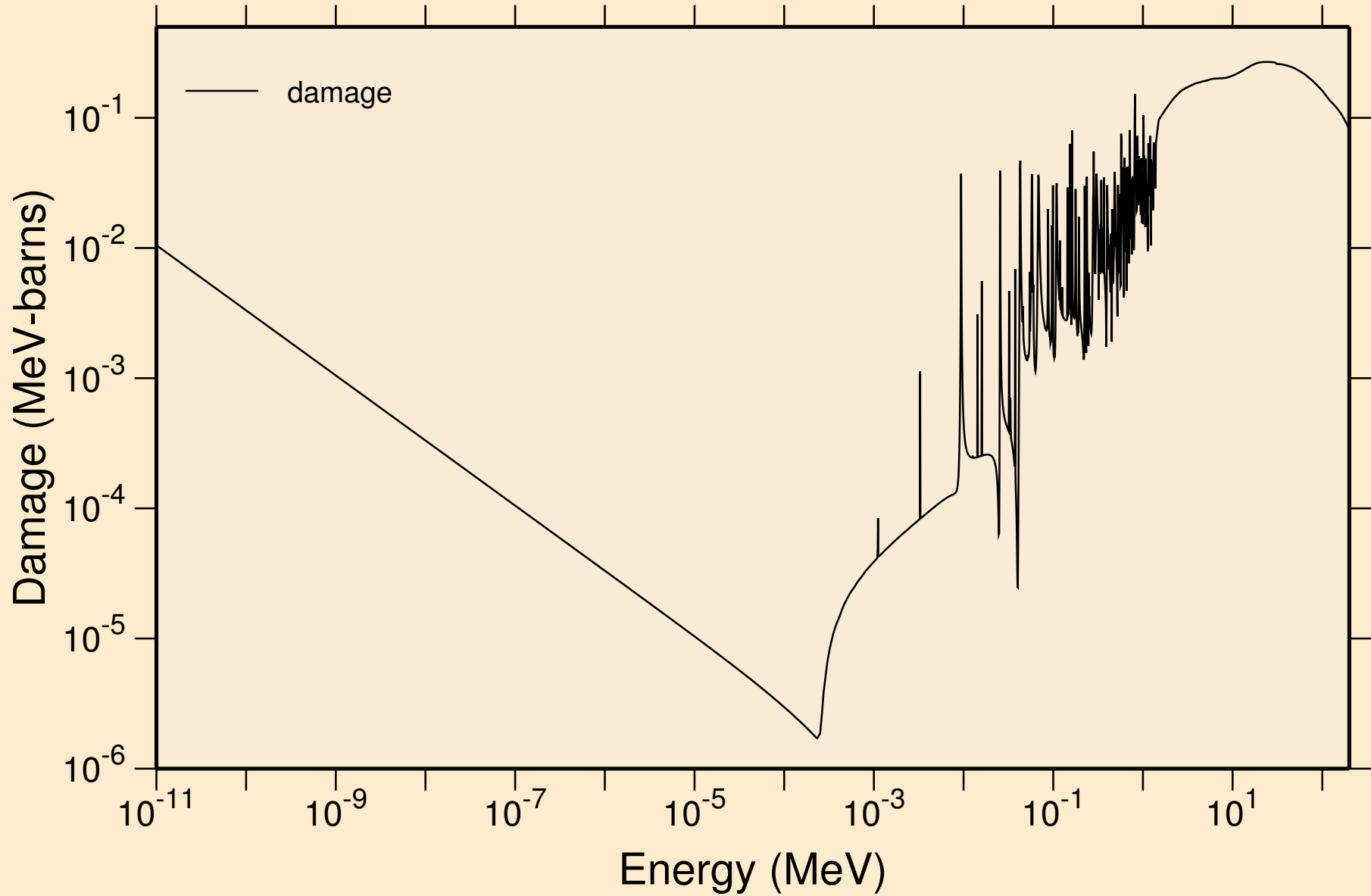
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
UR capture cross section



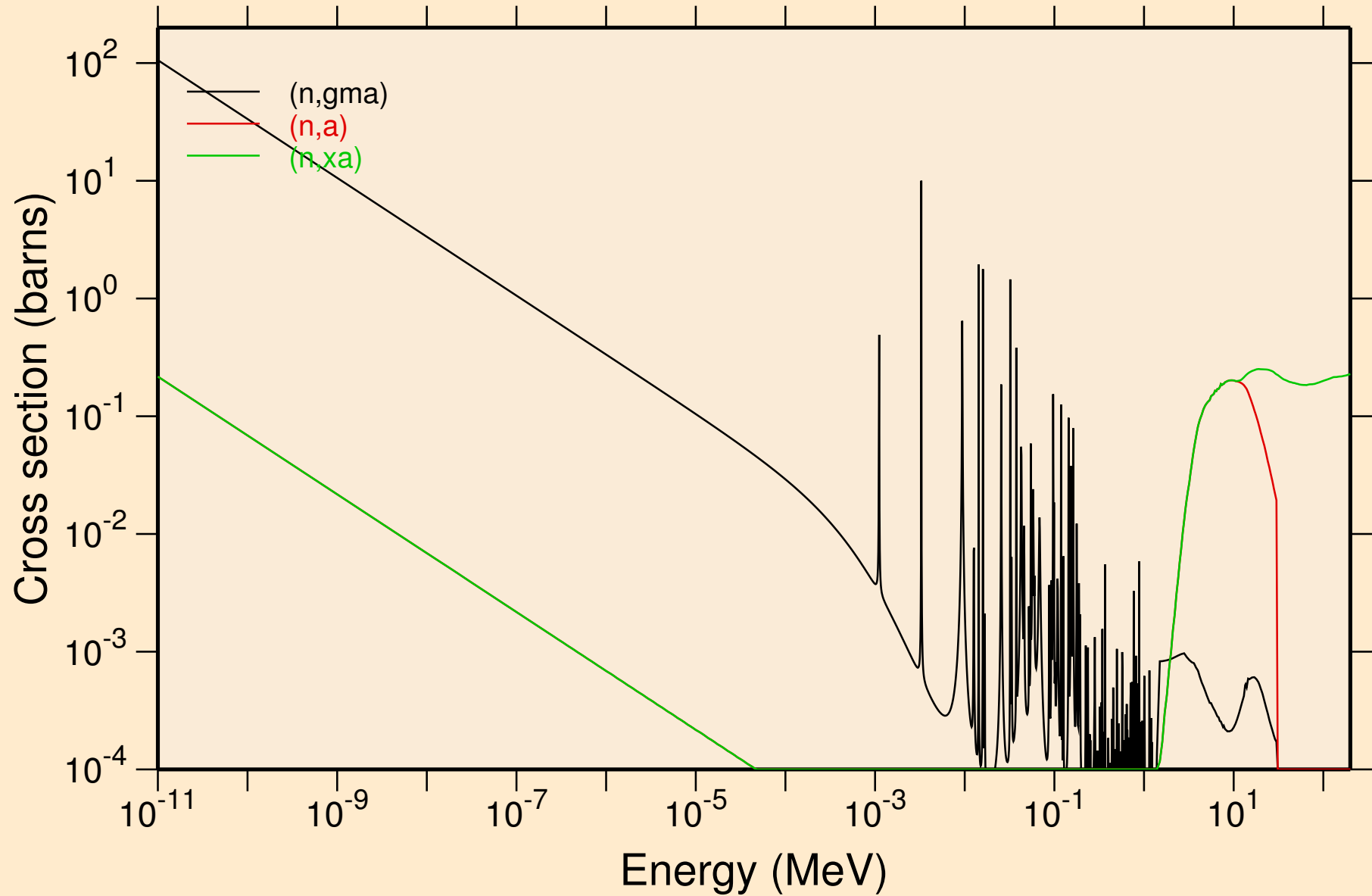
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Heating



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Damage

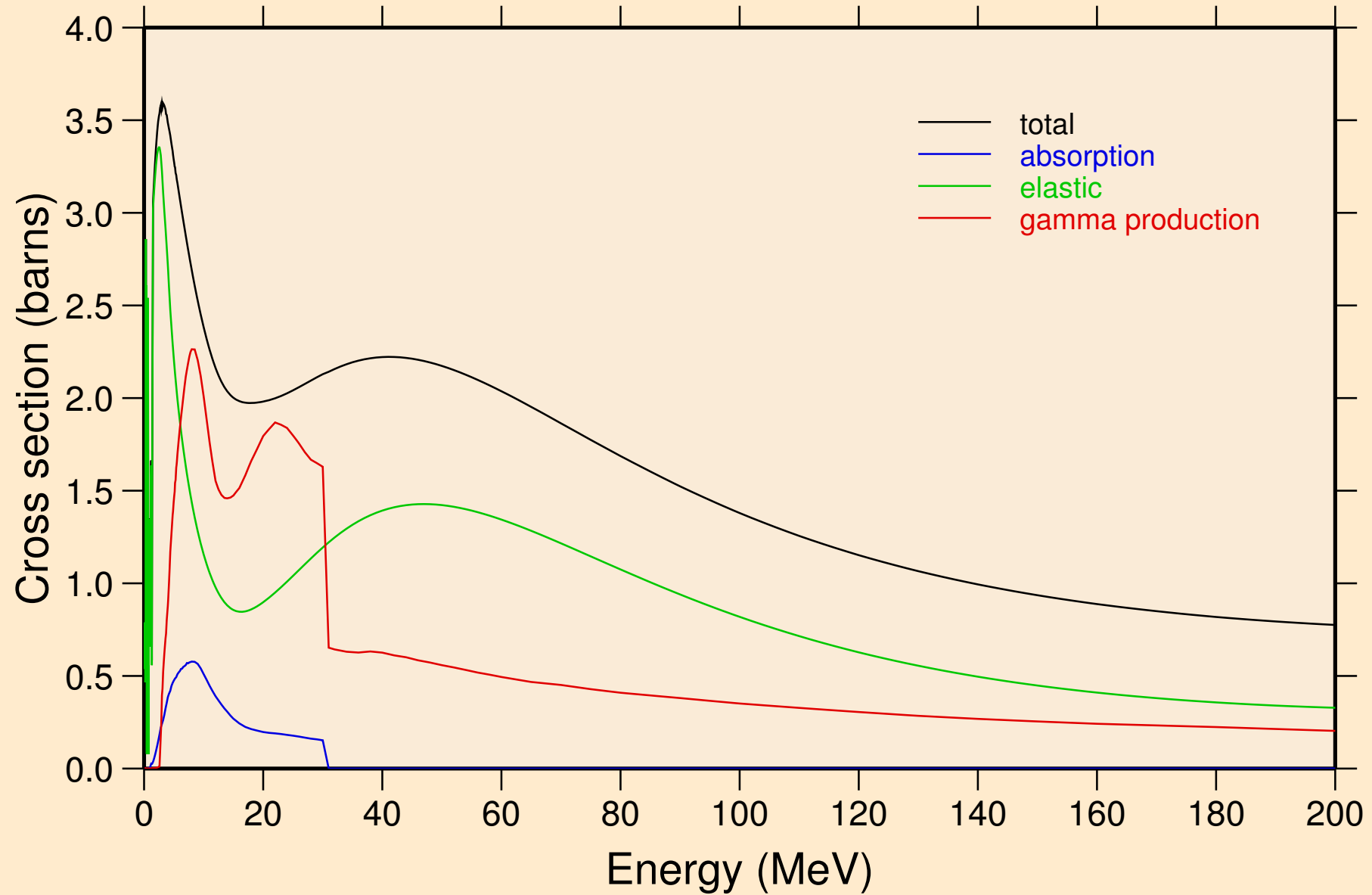


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Non-threshold reactions



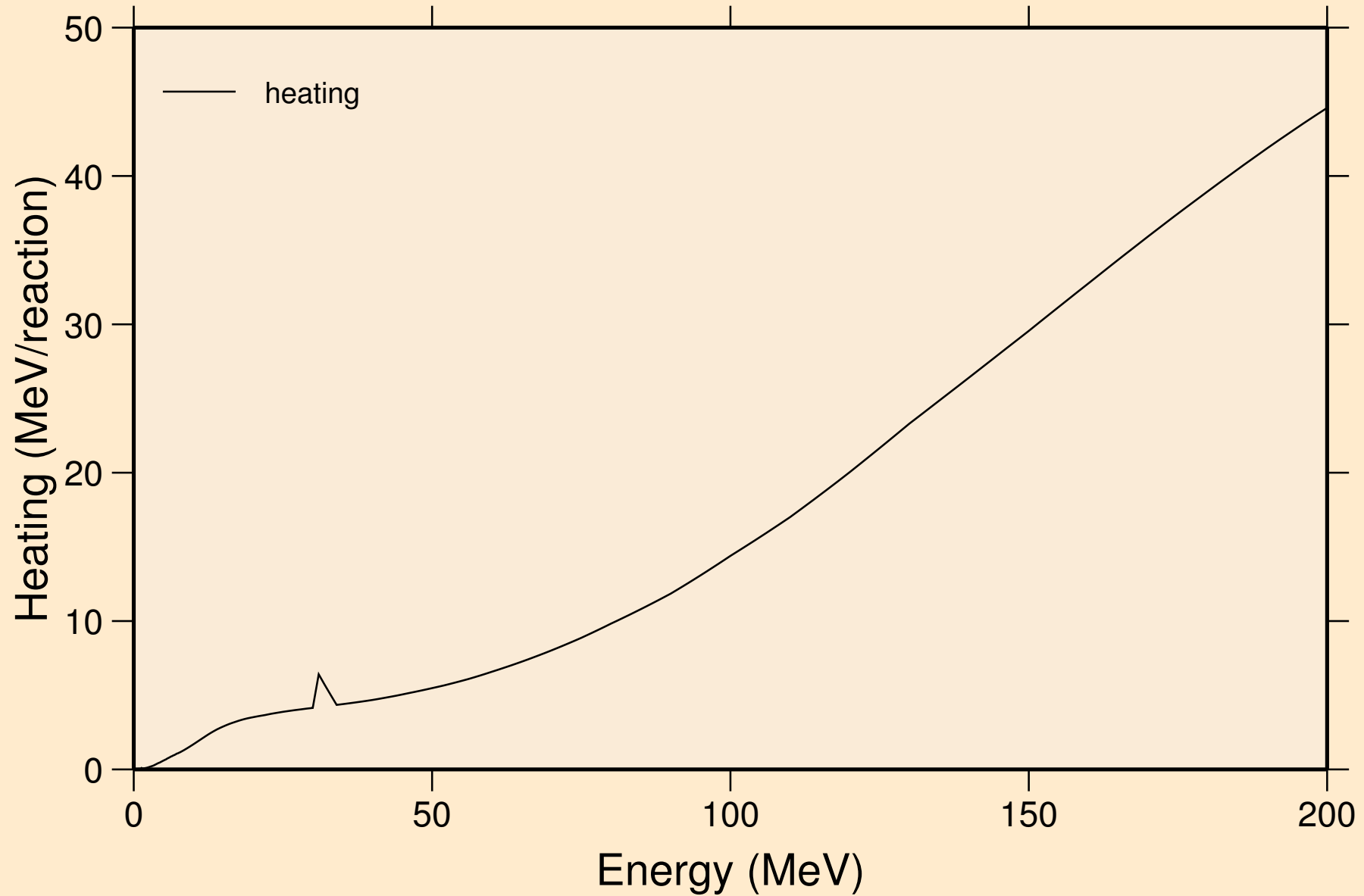
# 19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+

## Principal cross sections

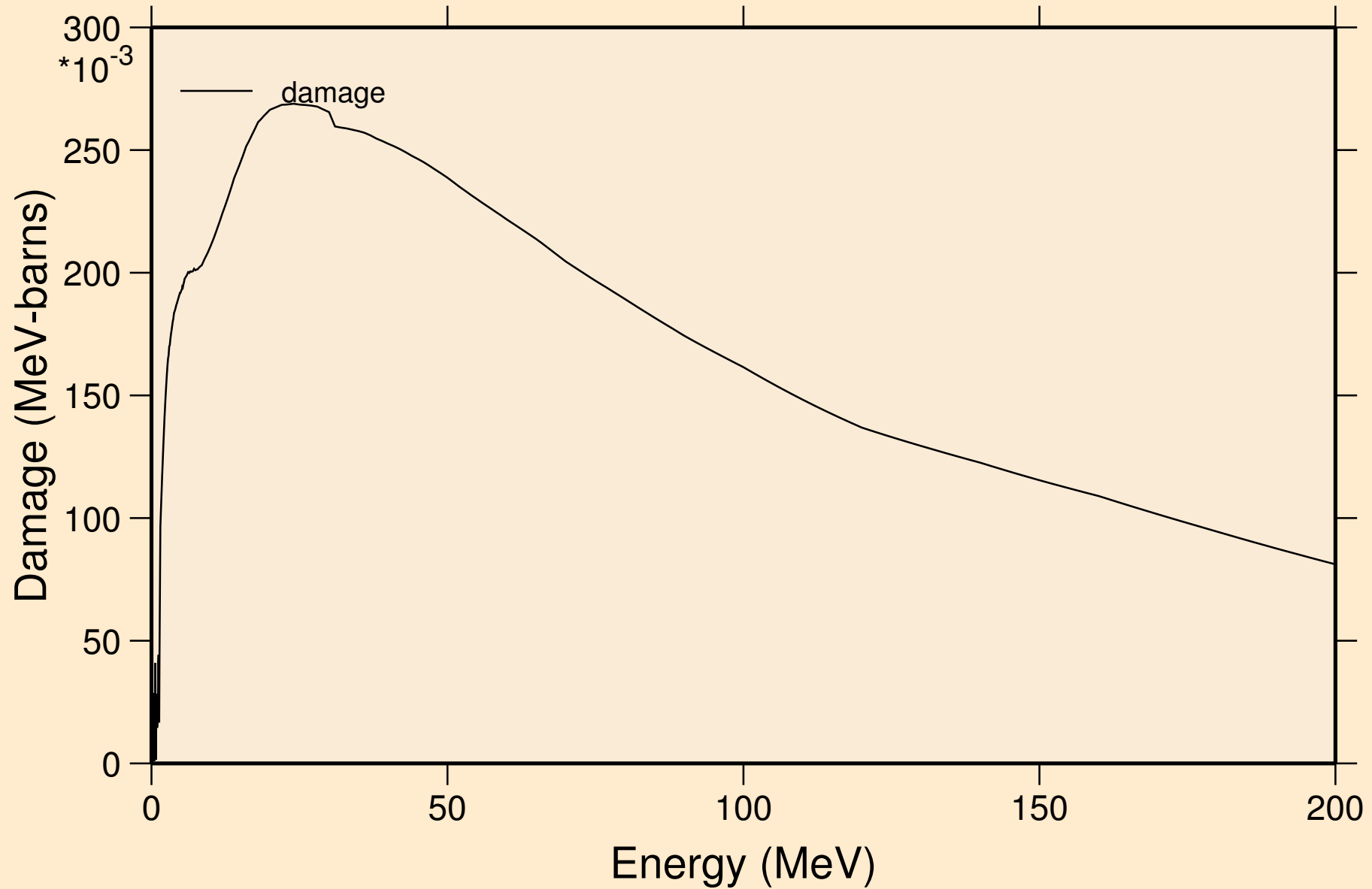




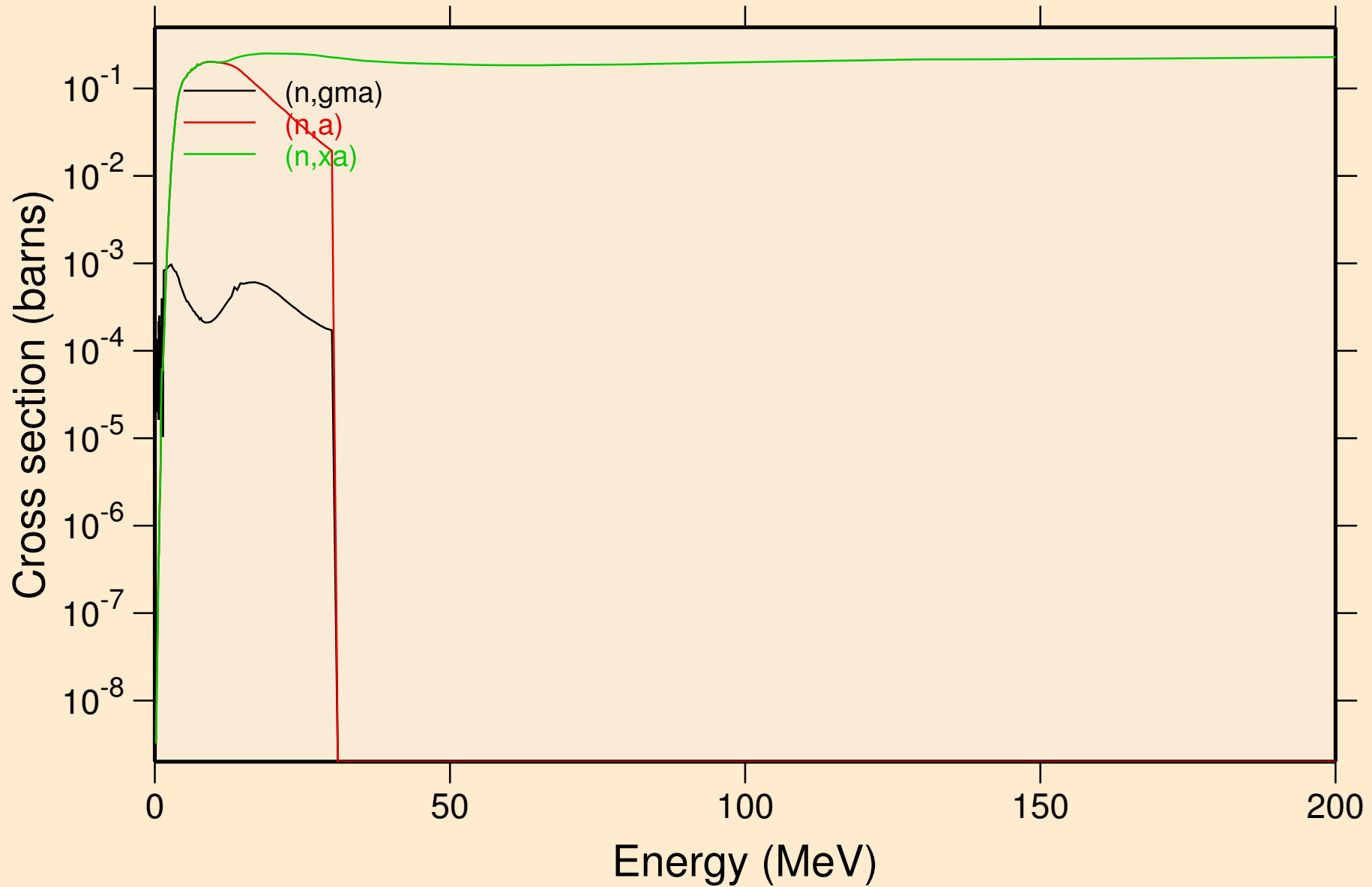
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Heating



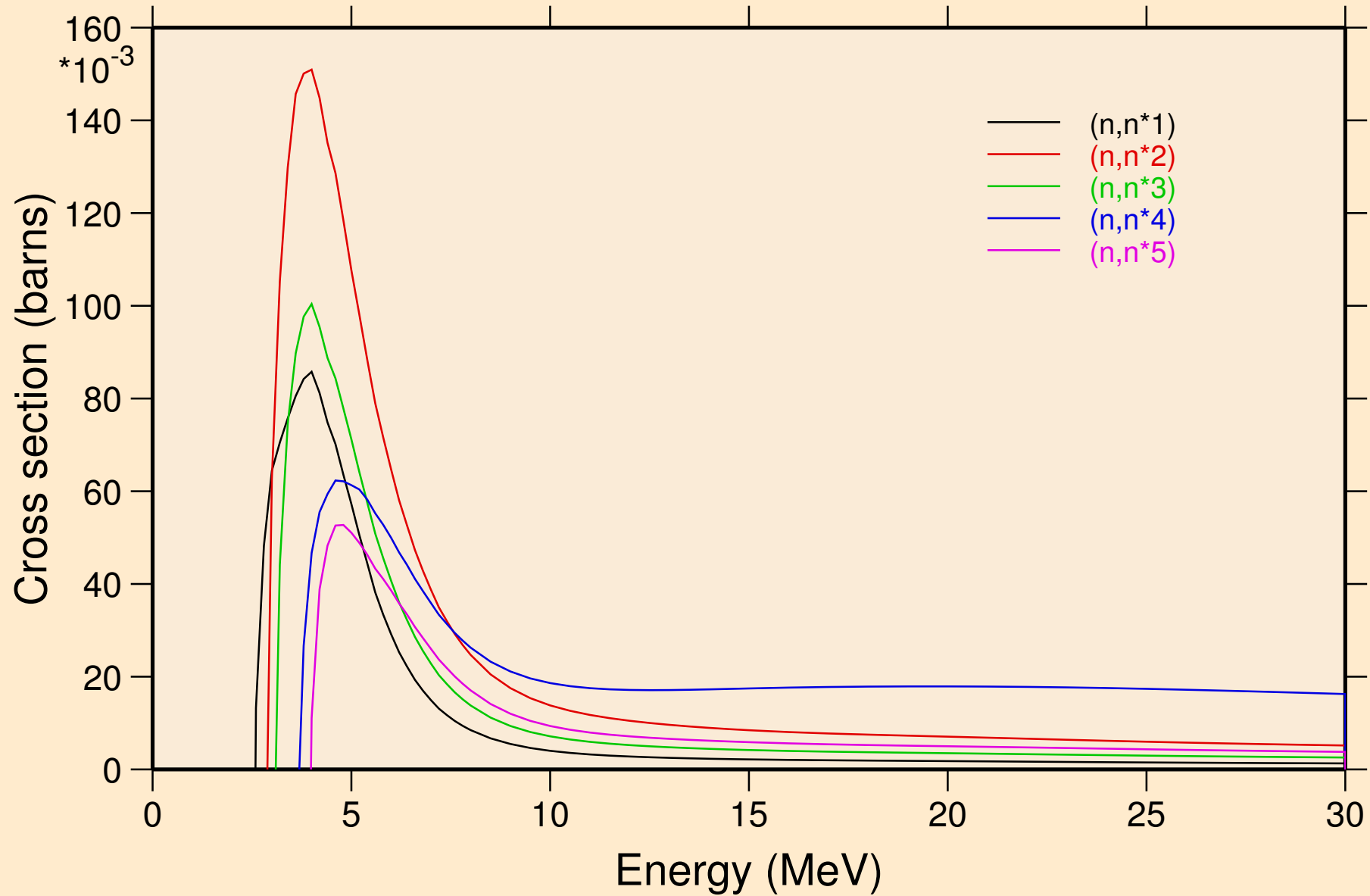
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Damage



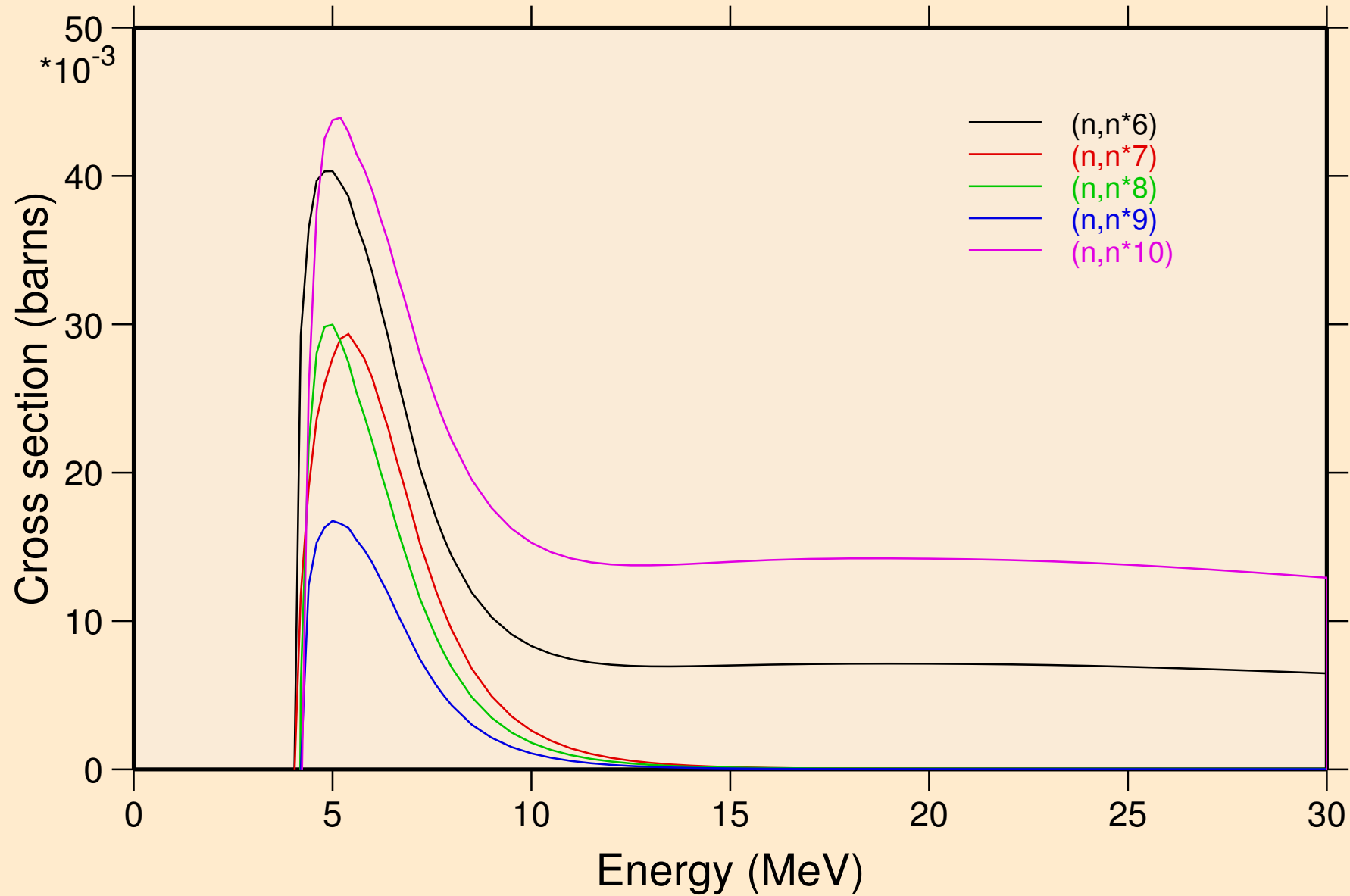
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Non-threshold reactions



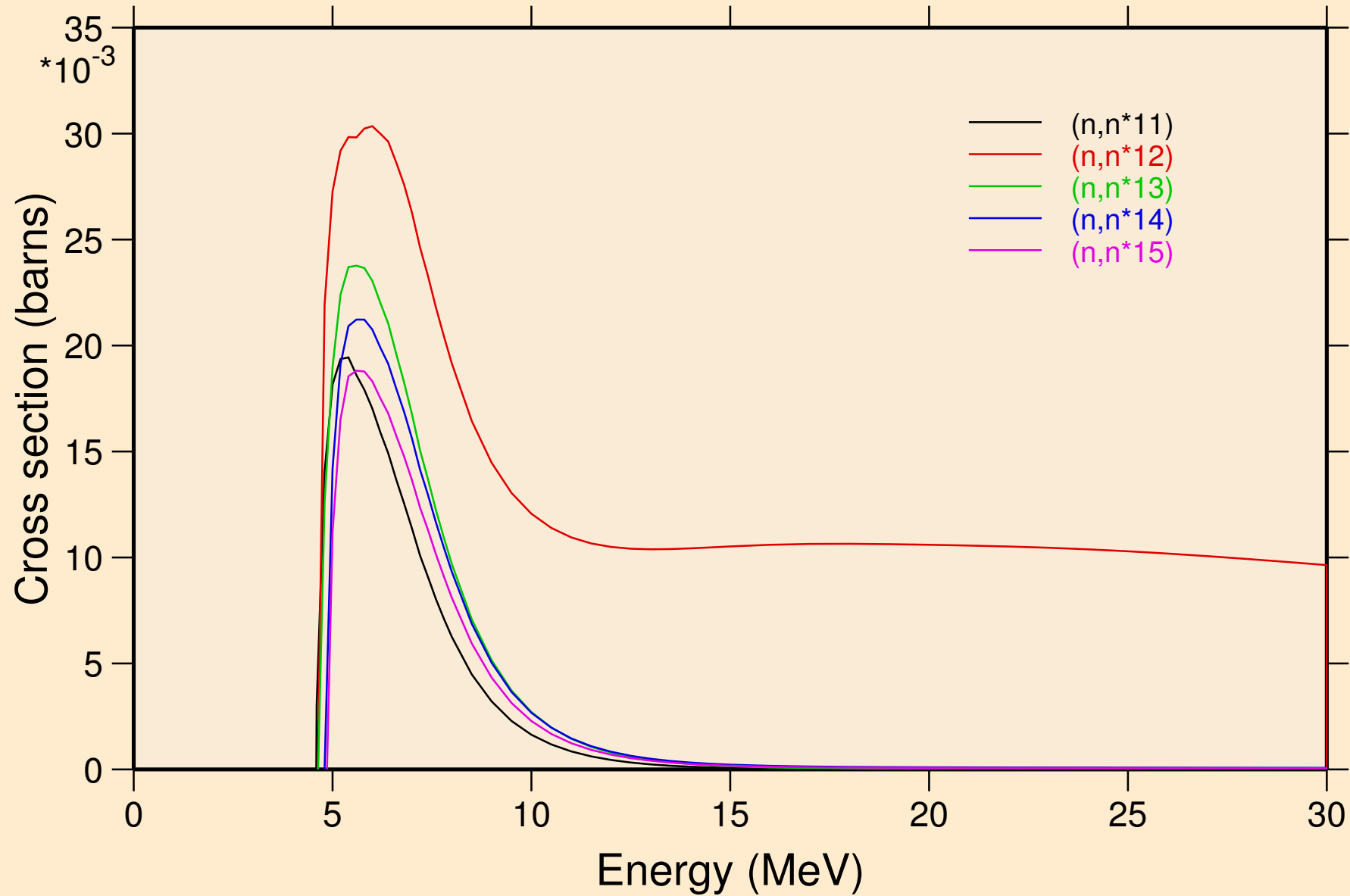
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Inelastic levels



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Inelastic levels

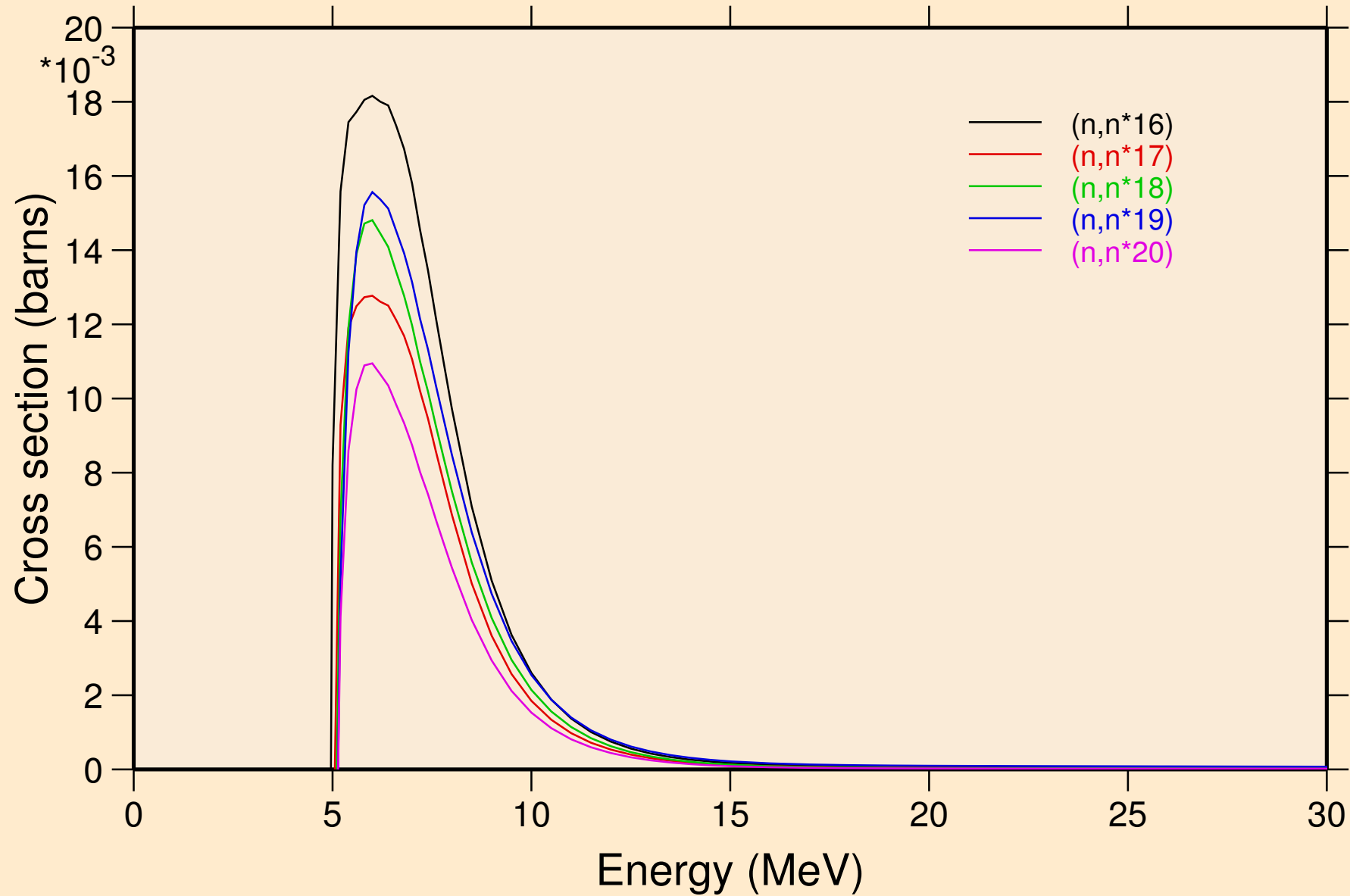


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Inelastic levels

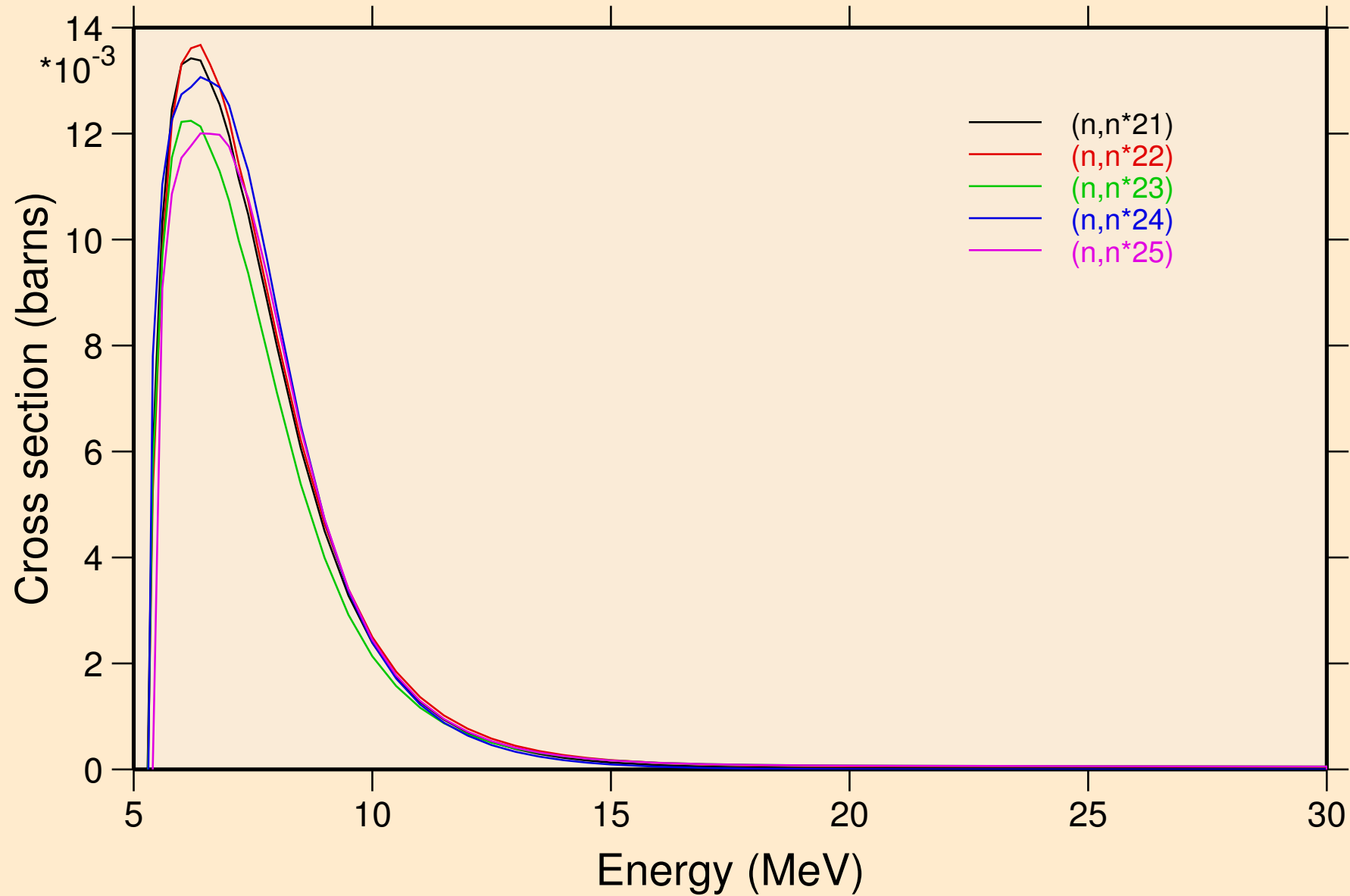


# 19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+

## Inelastic levels

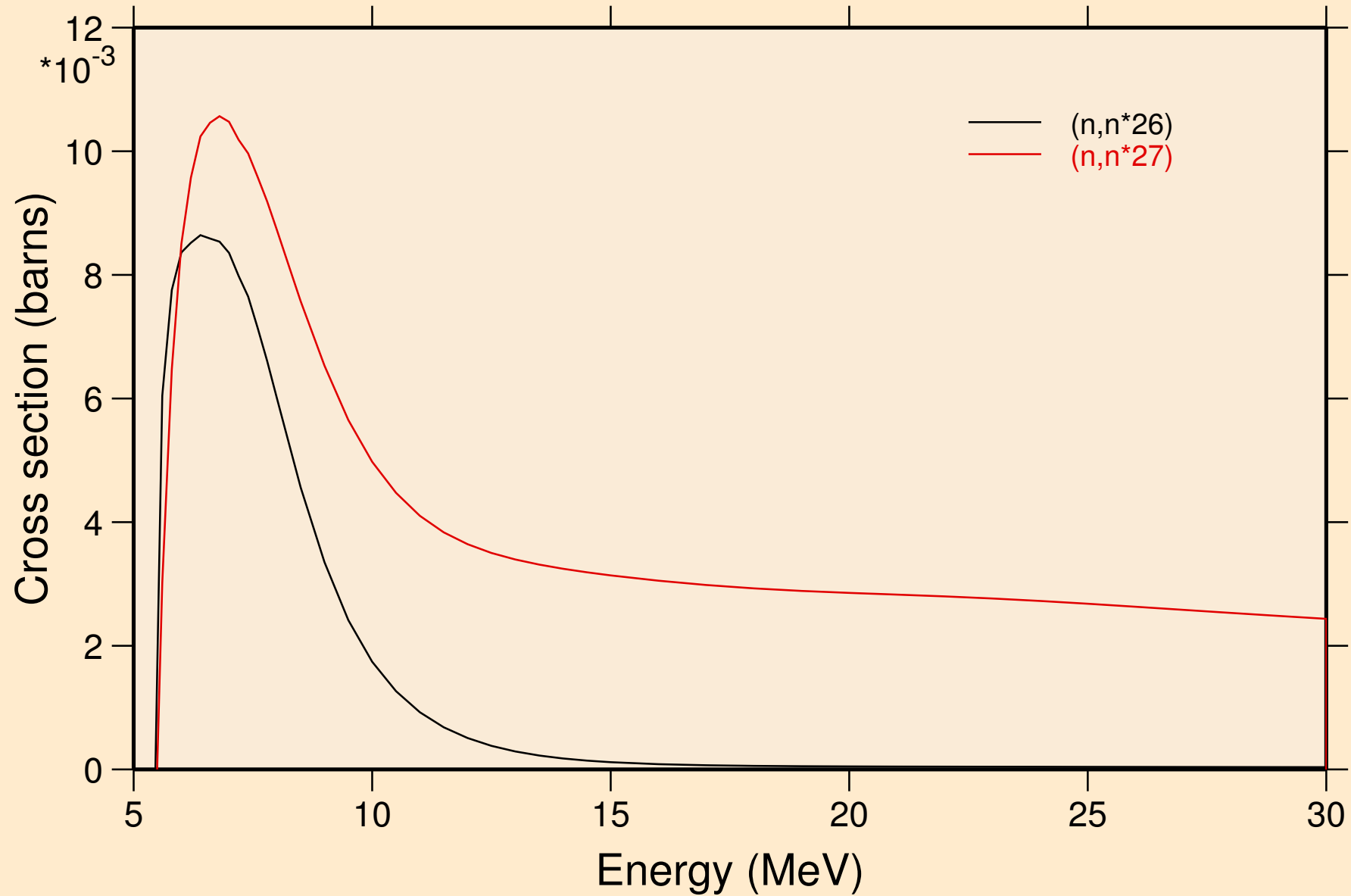


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Inelastic levels

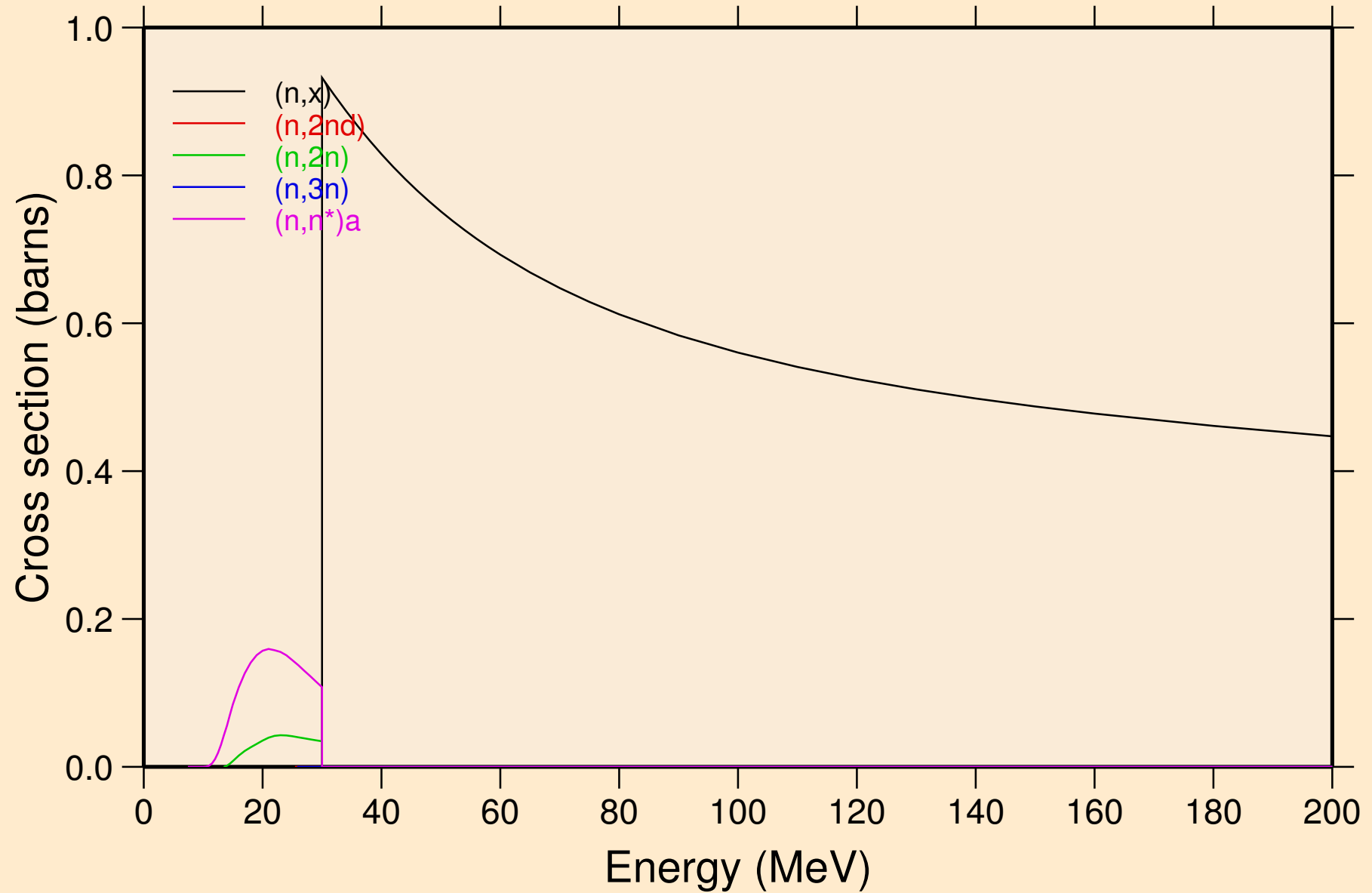




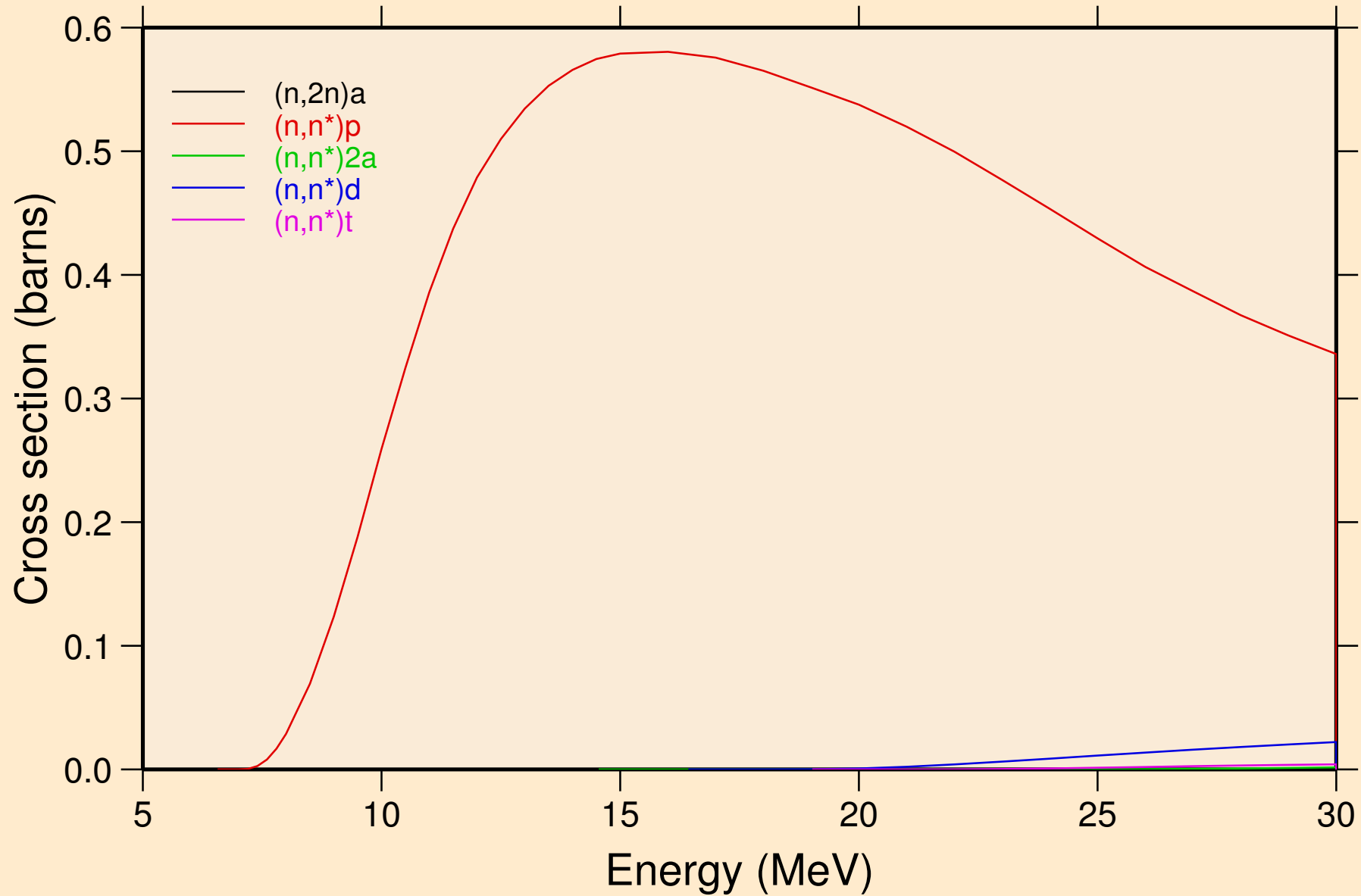
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Inelastic levels



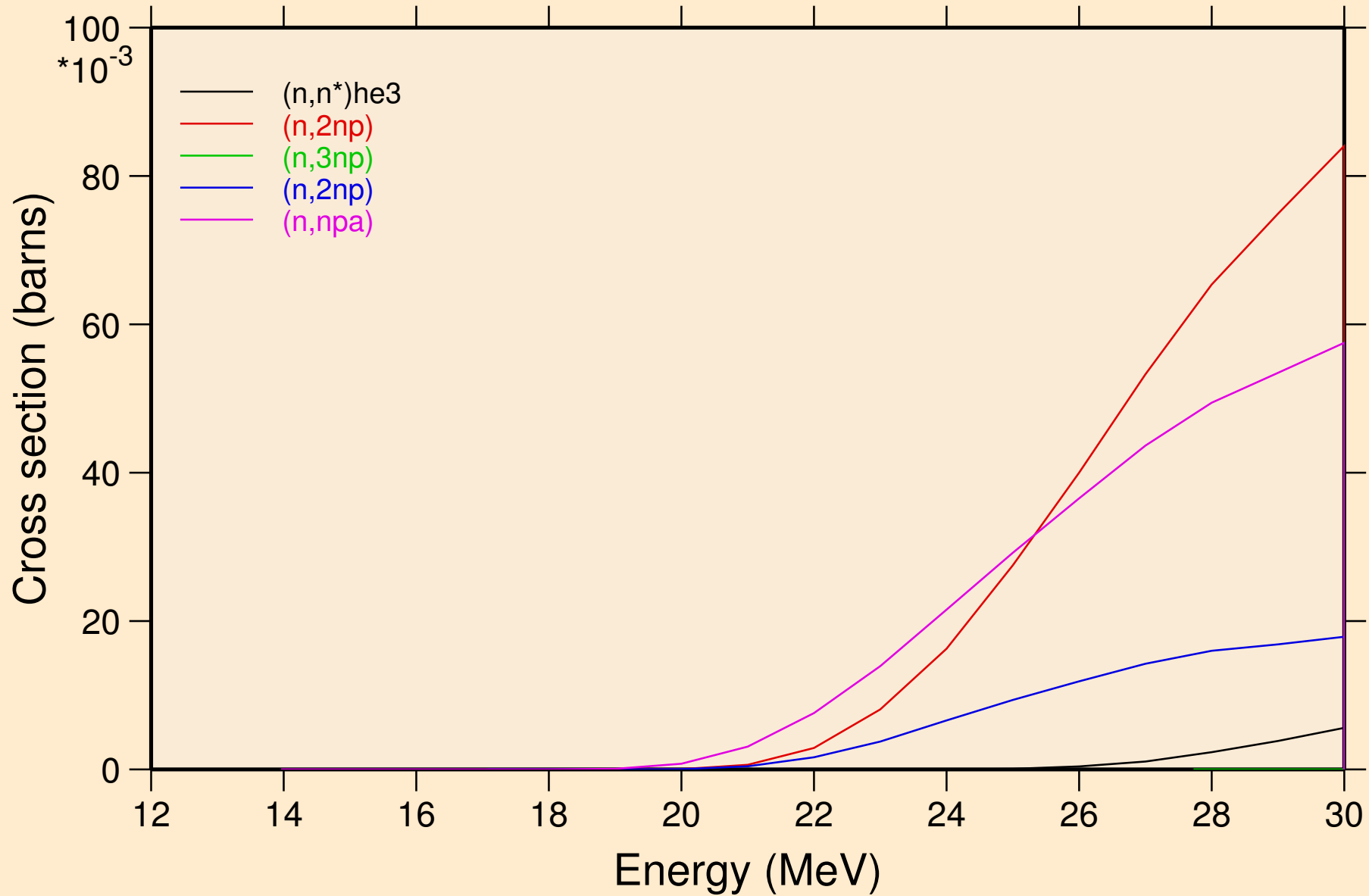
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Threshold reactions



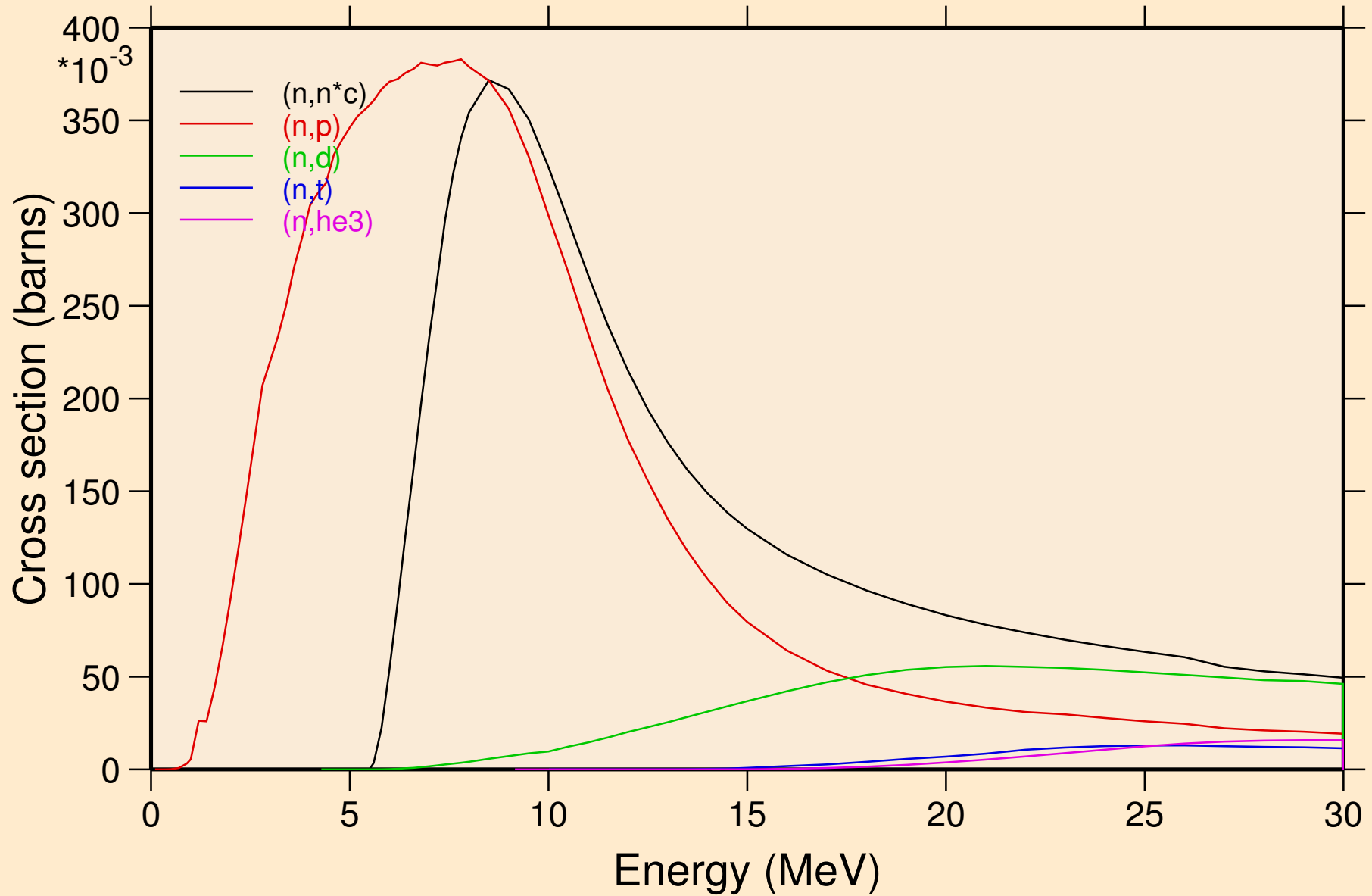
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Threshold reactions



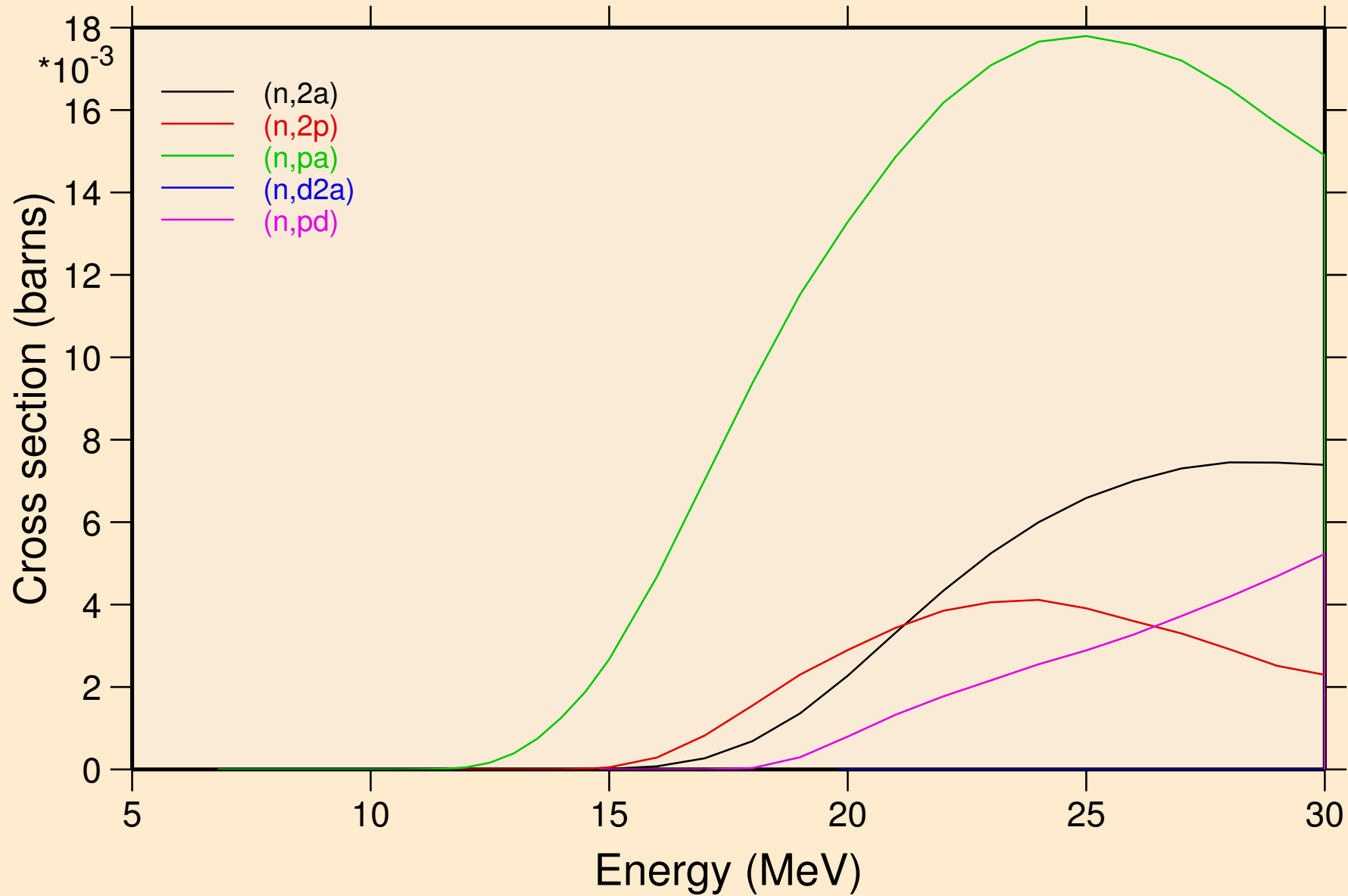
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Threshold reactions



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Threshold reactions

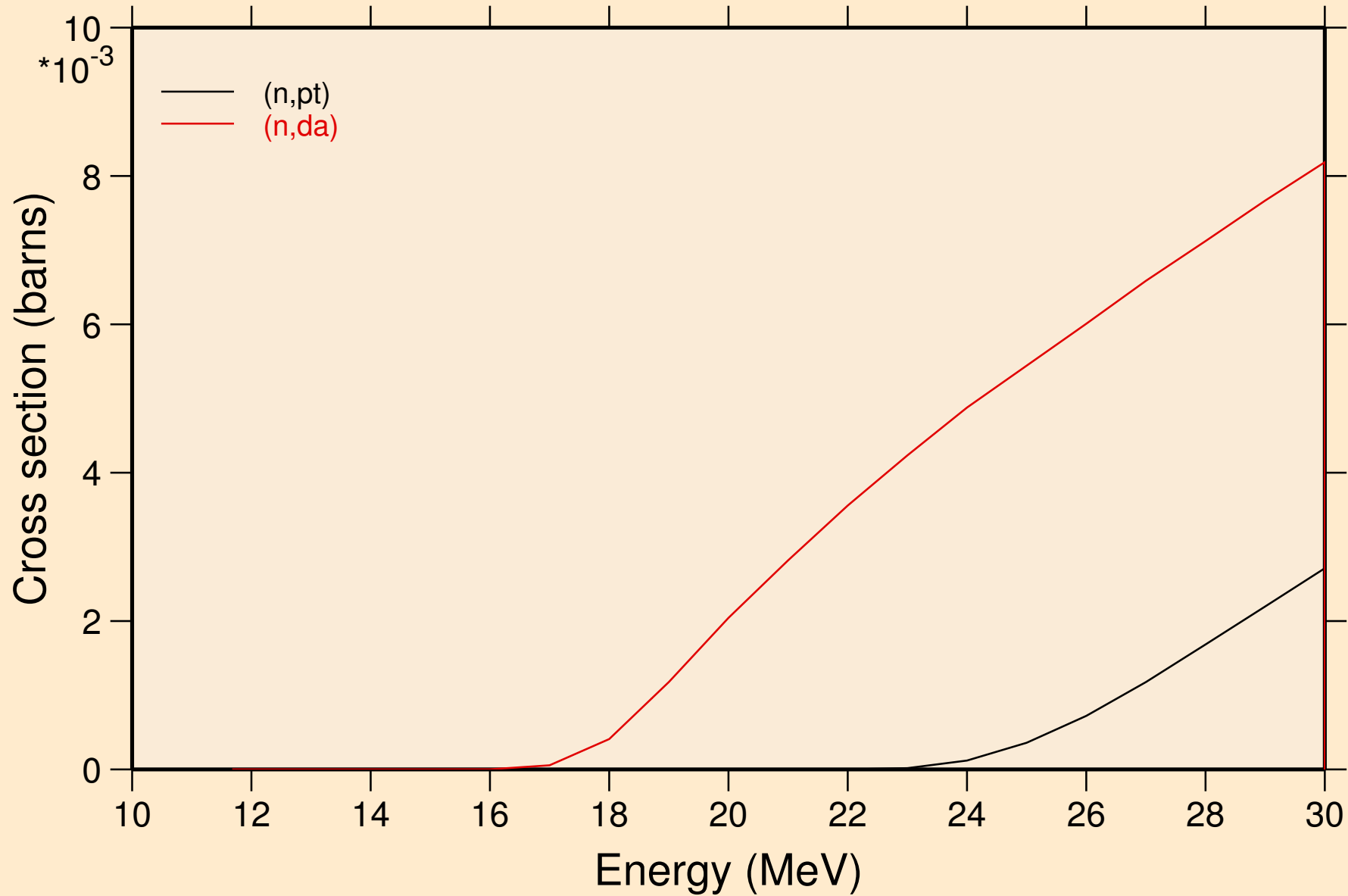


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Threshold reactions

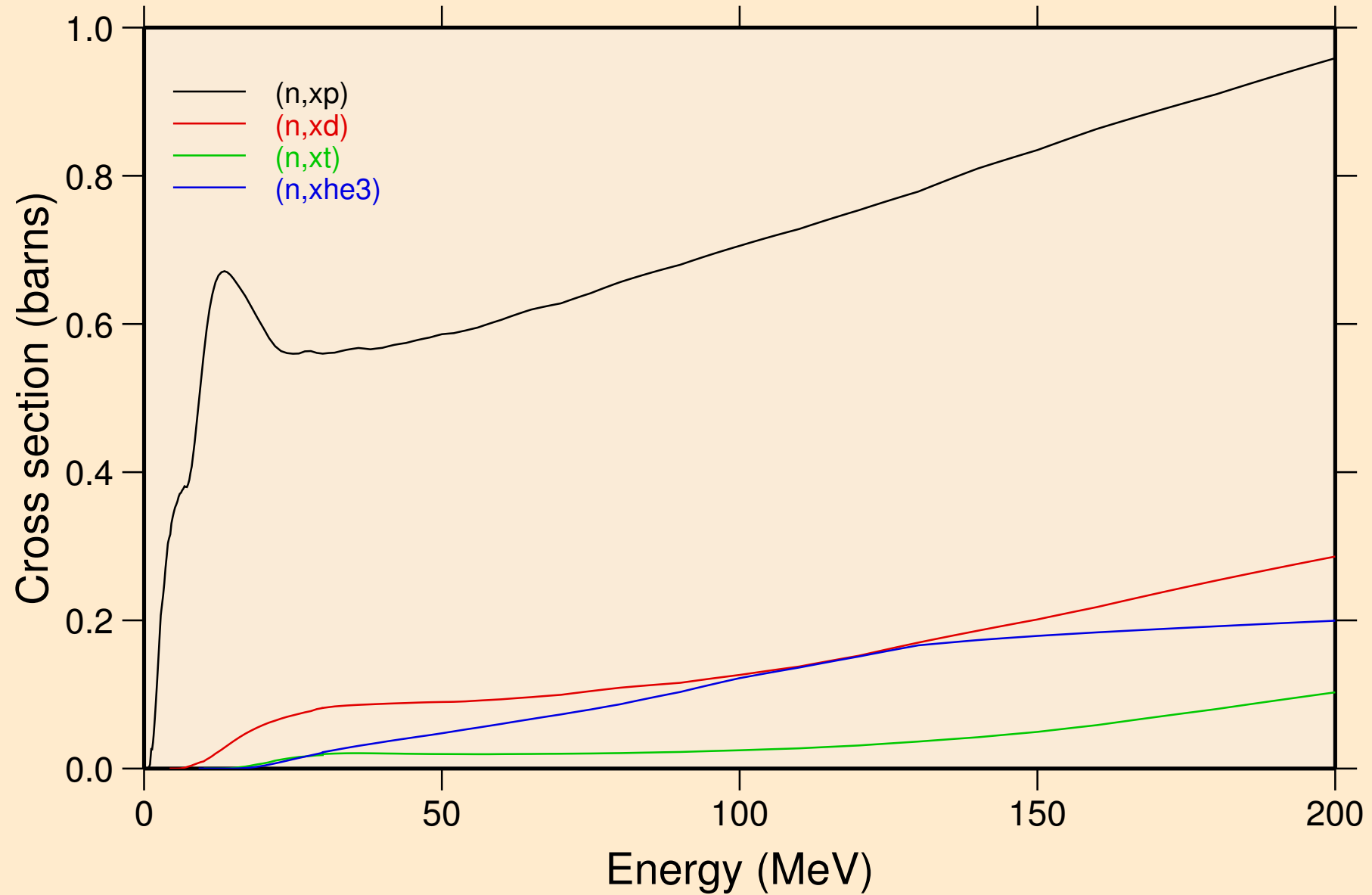


# 19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+

## Threshold reactions

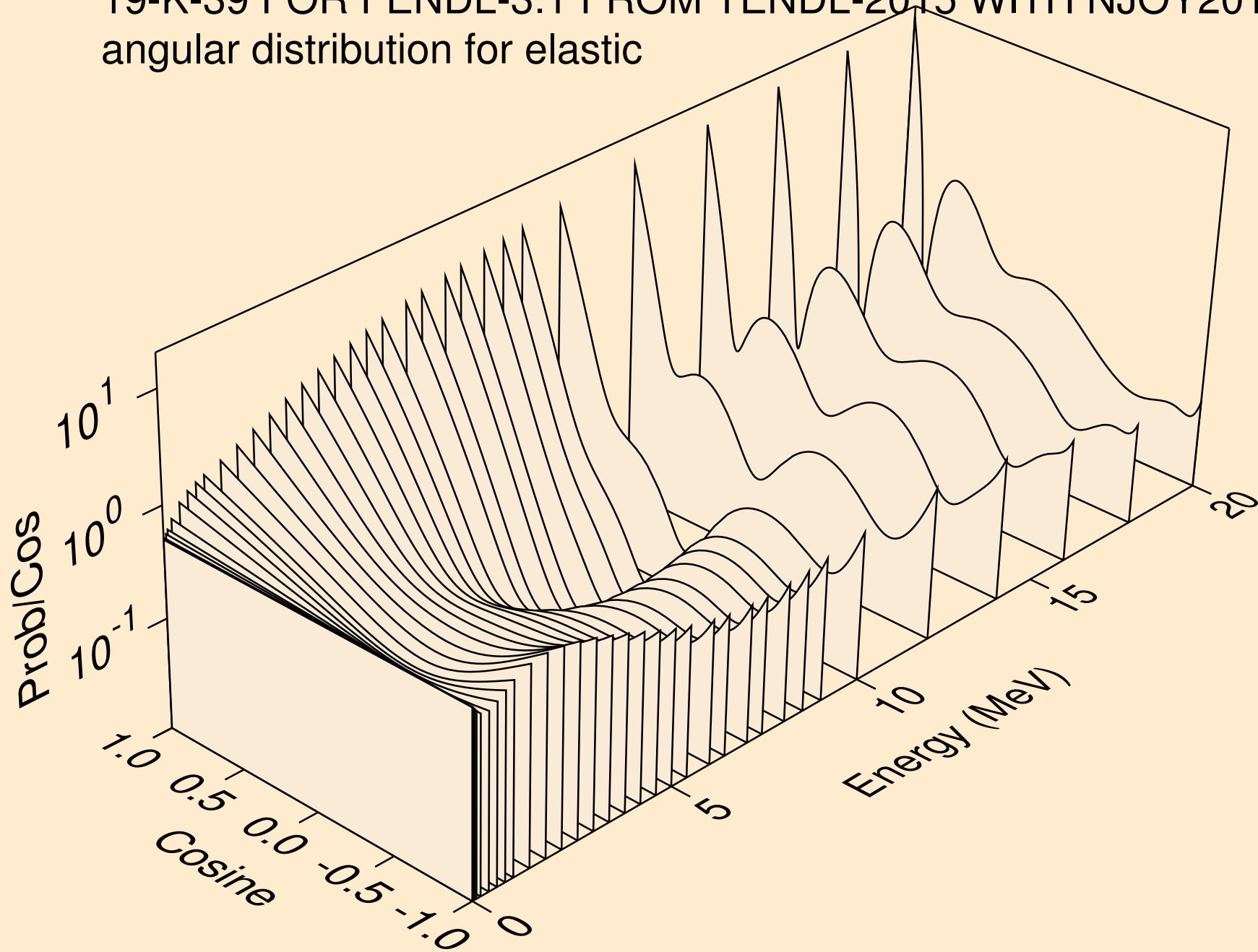


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Threshold reactions

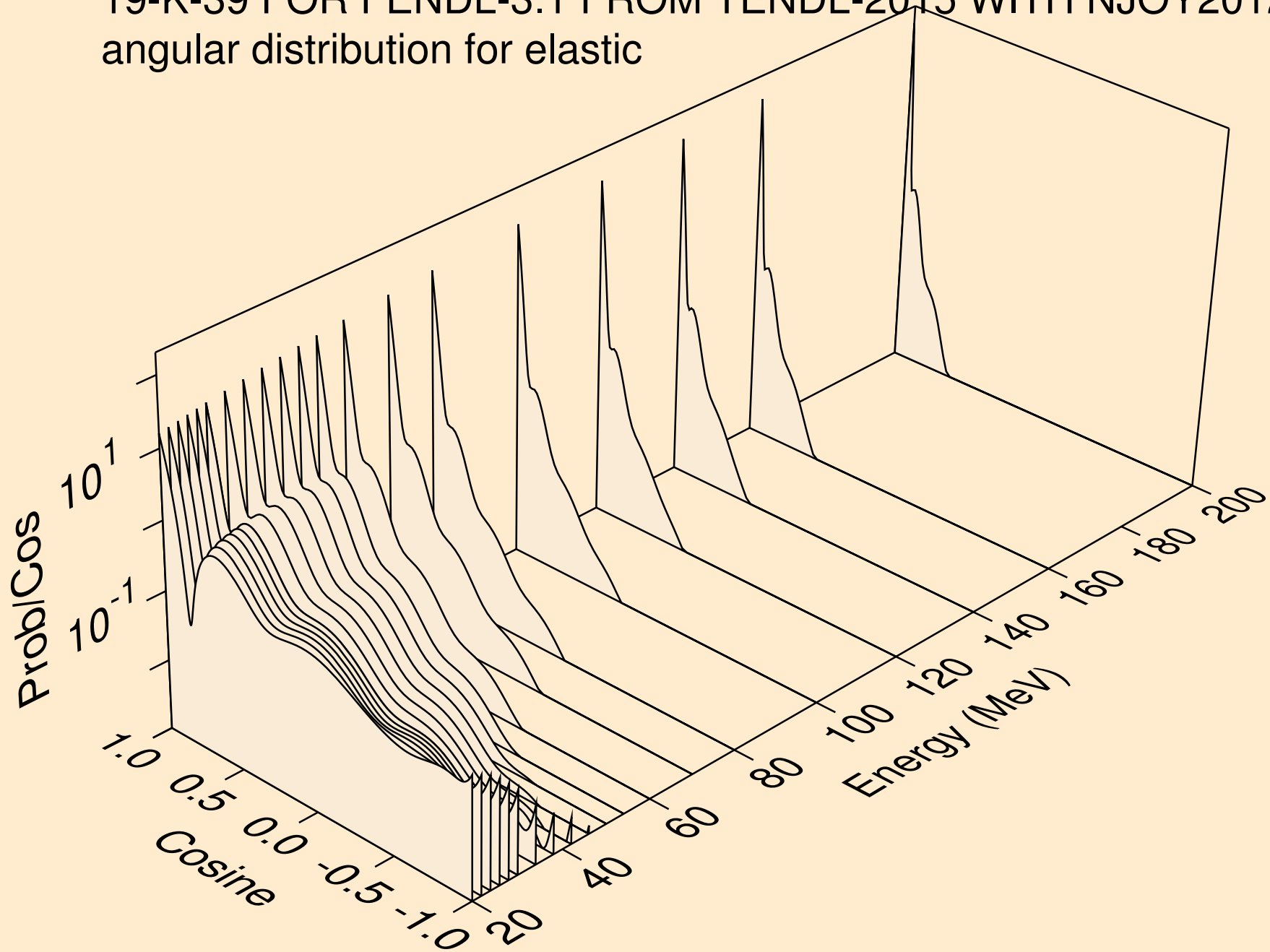




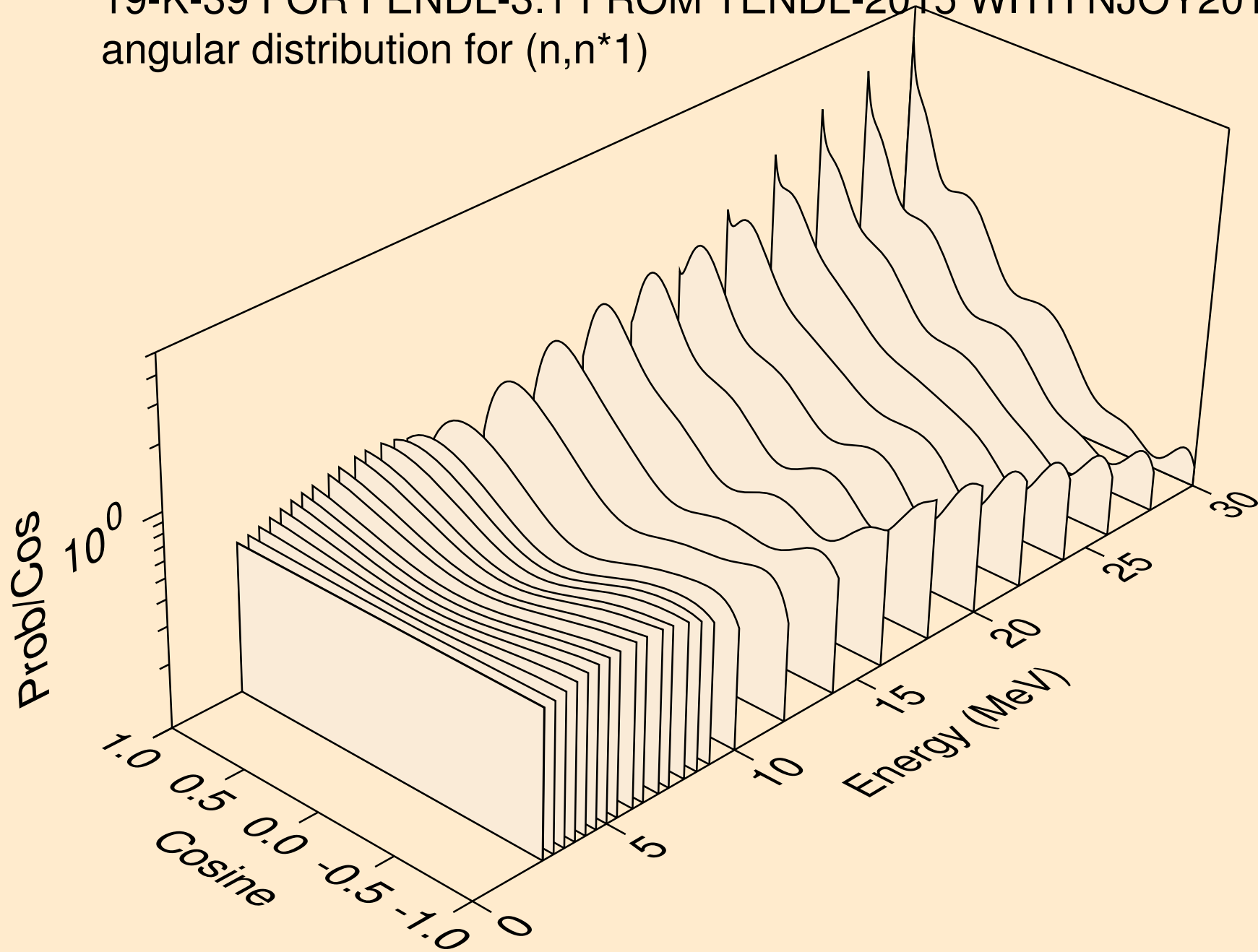
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY21012.82+  
angular distribution for elastic



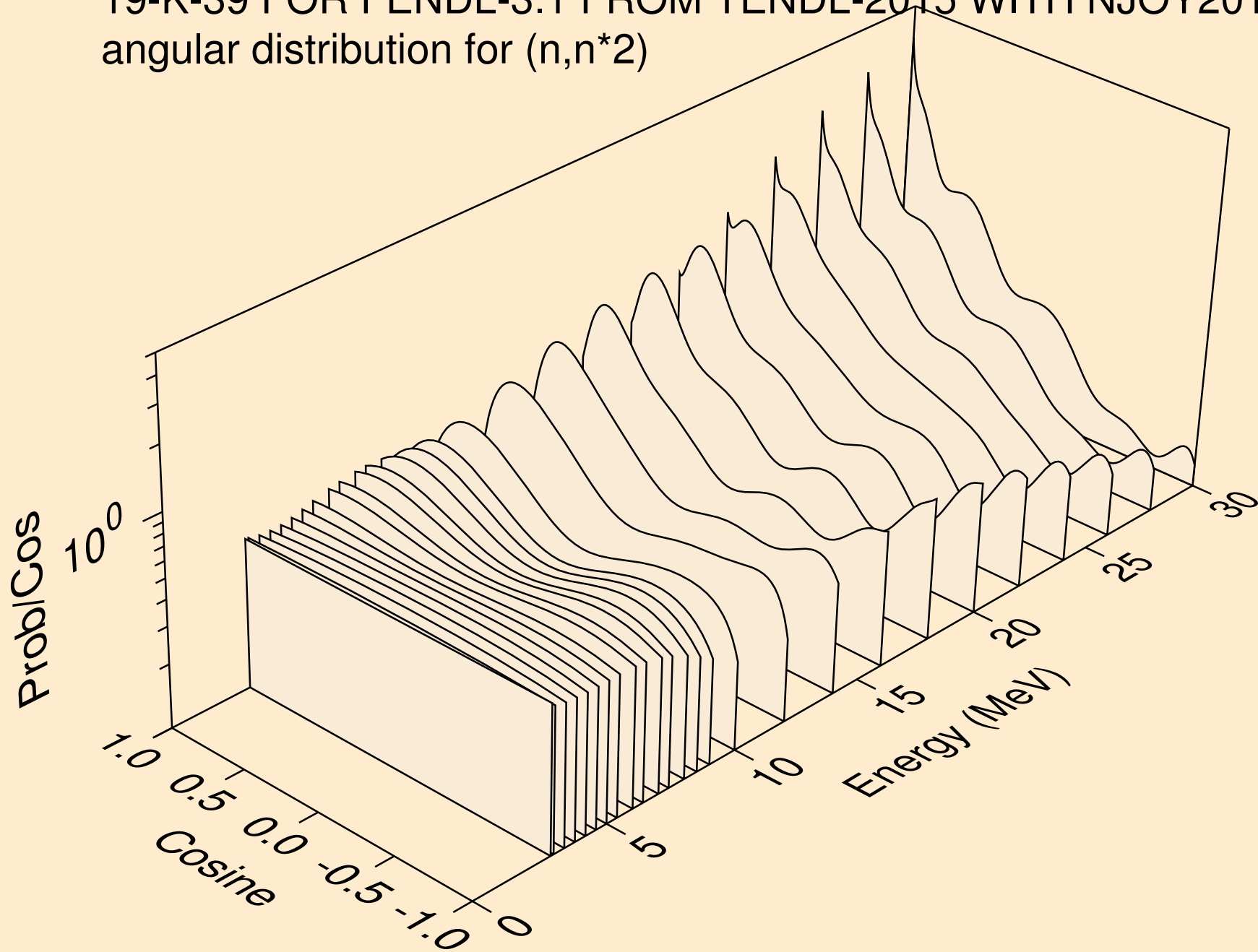
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for elastic



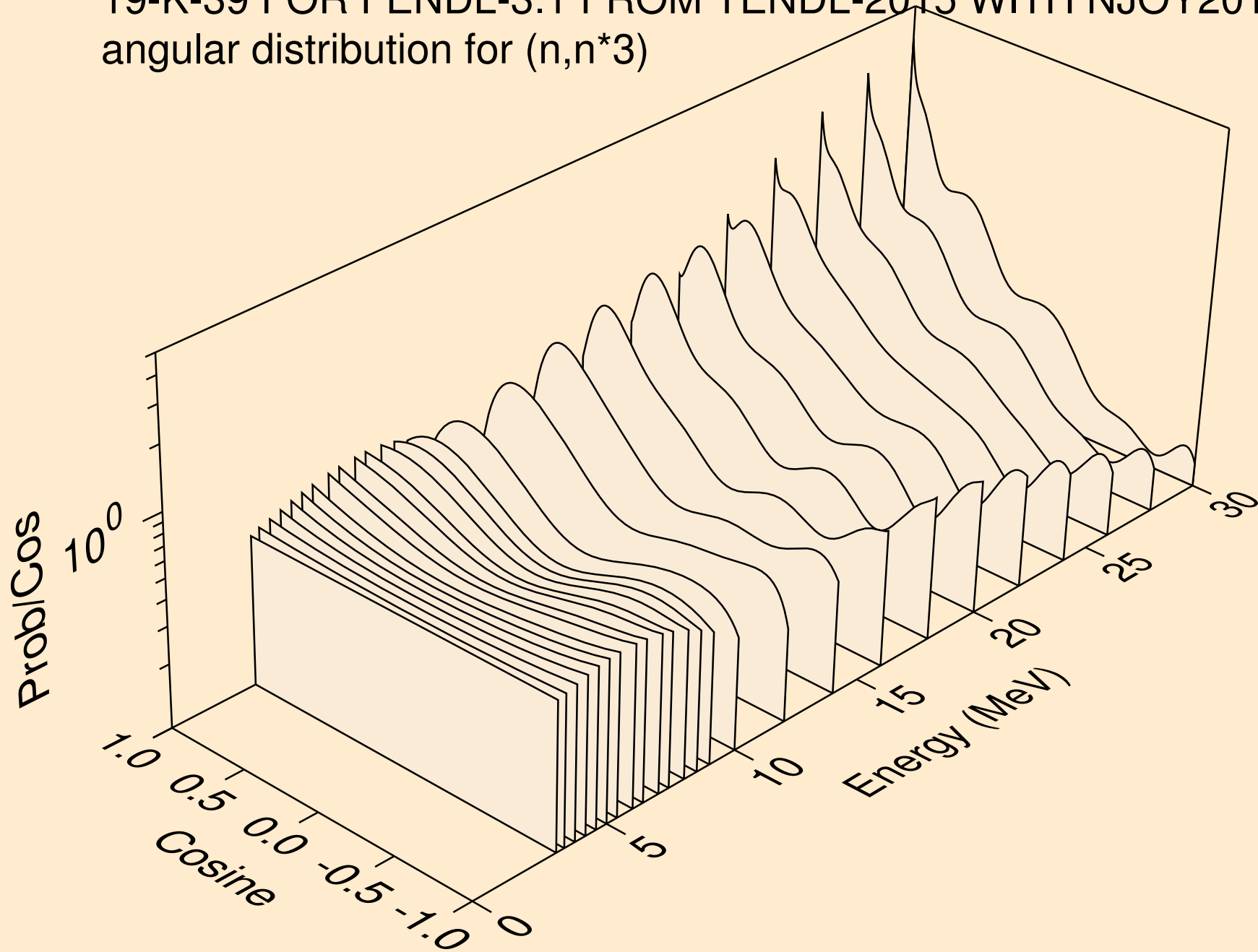
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*1)



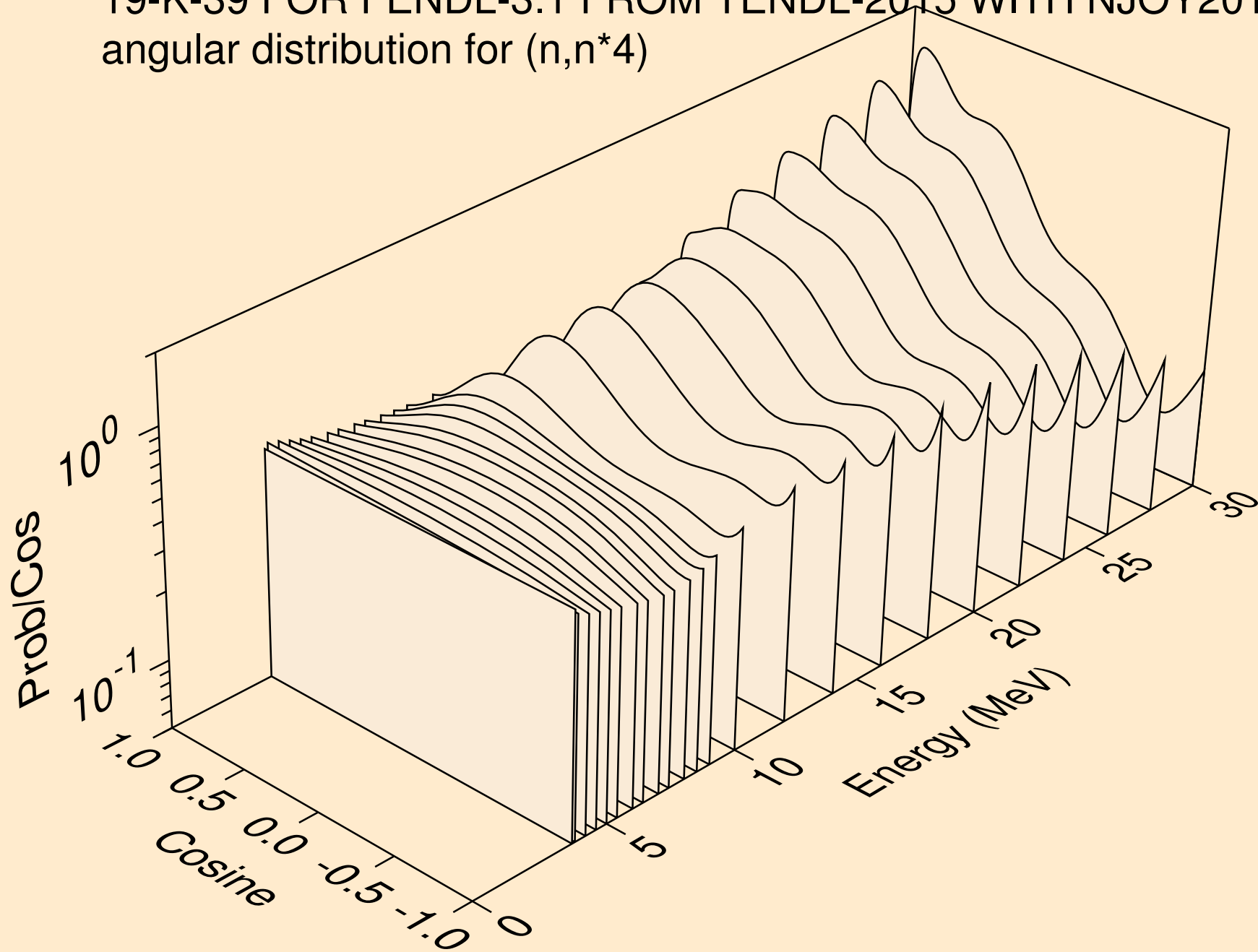
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*2)



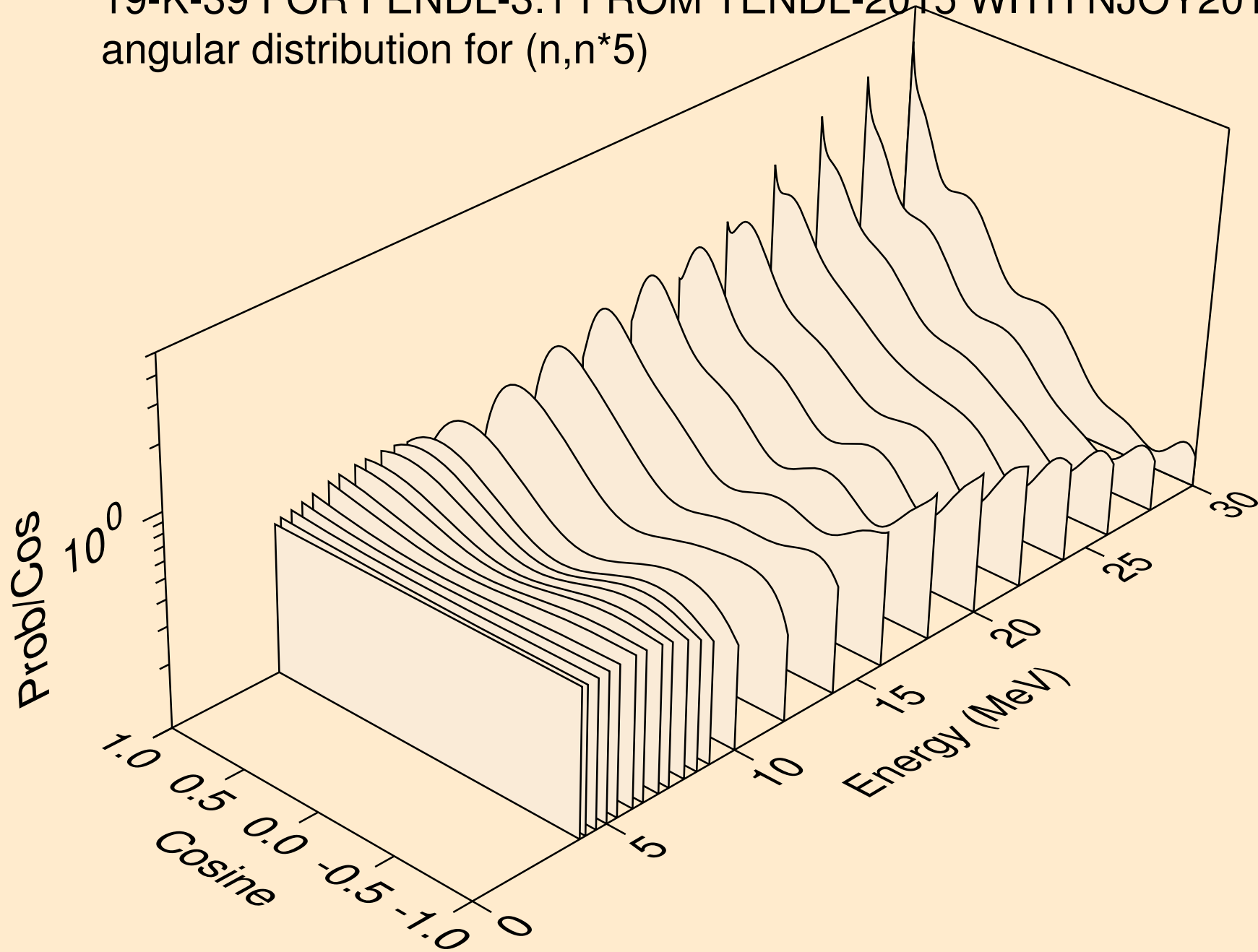
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*3)



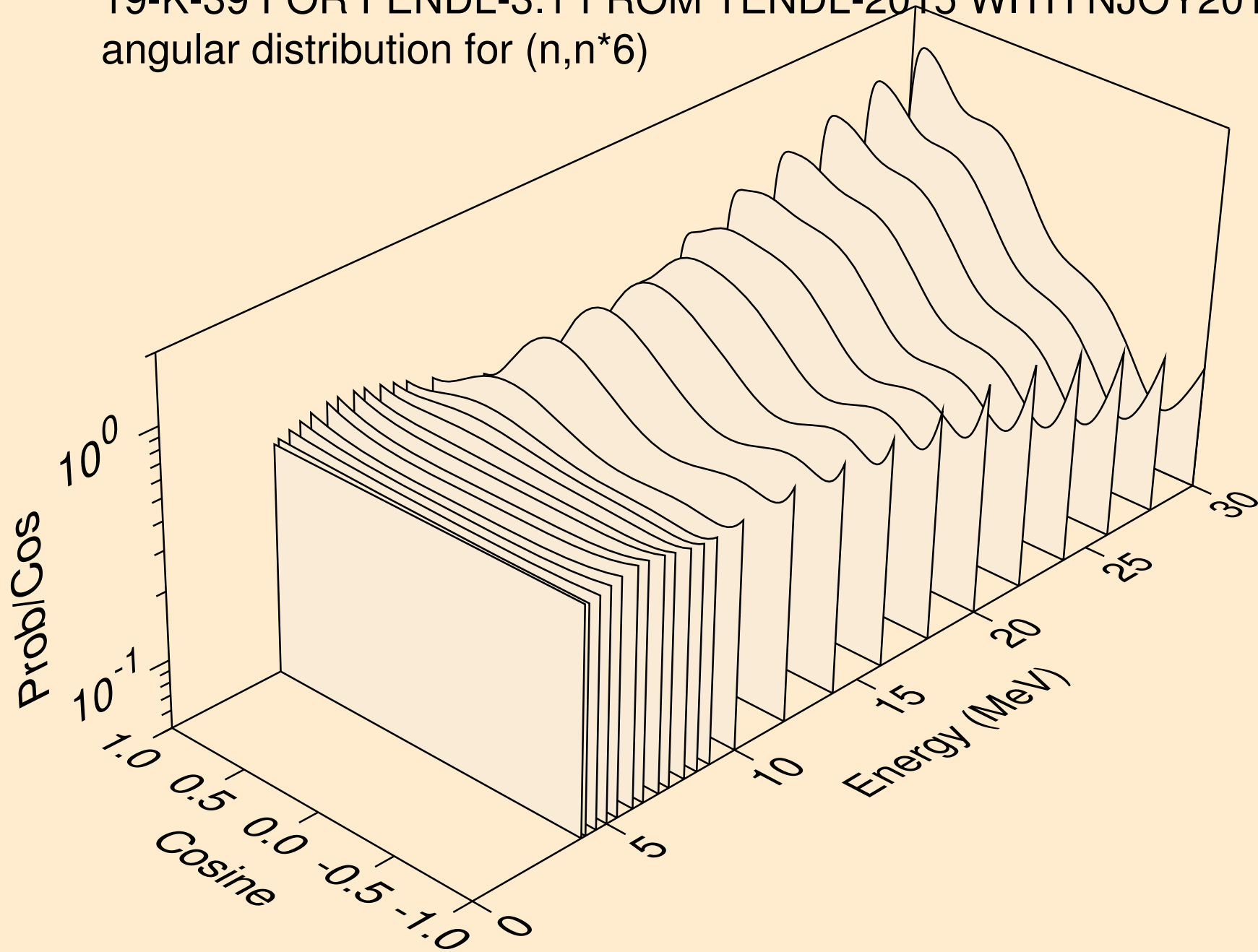
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*4)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*5)

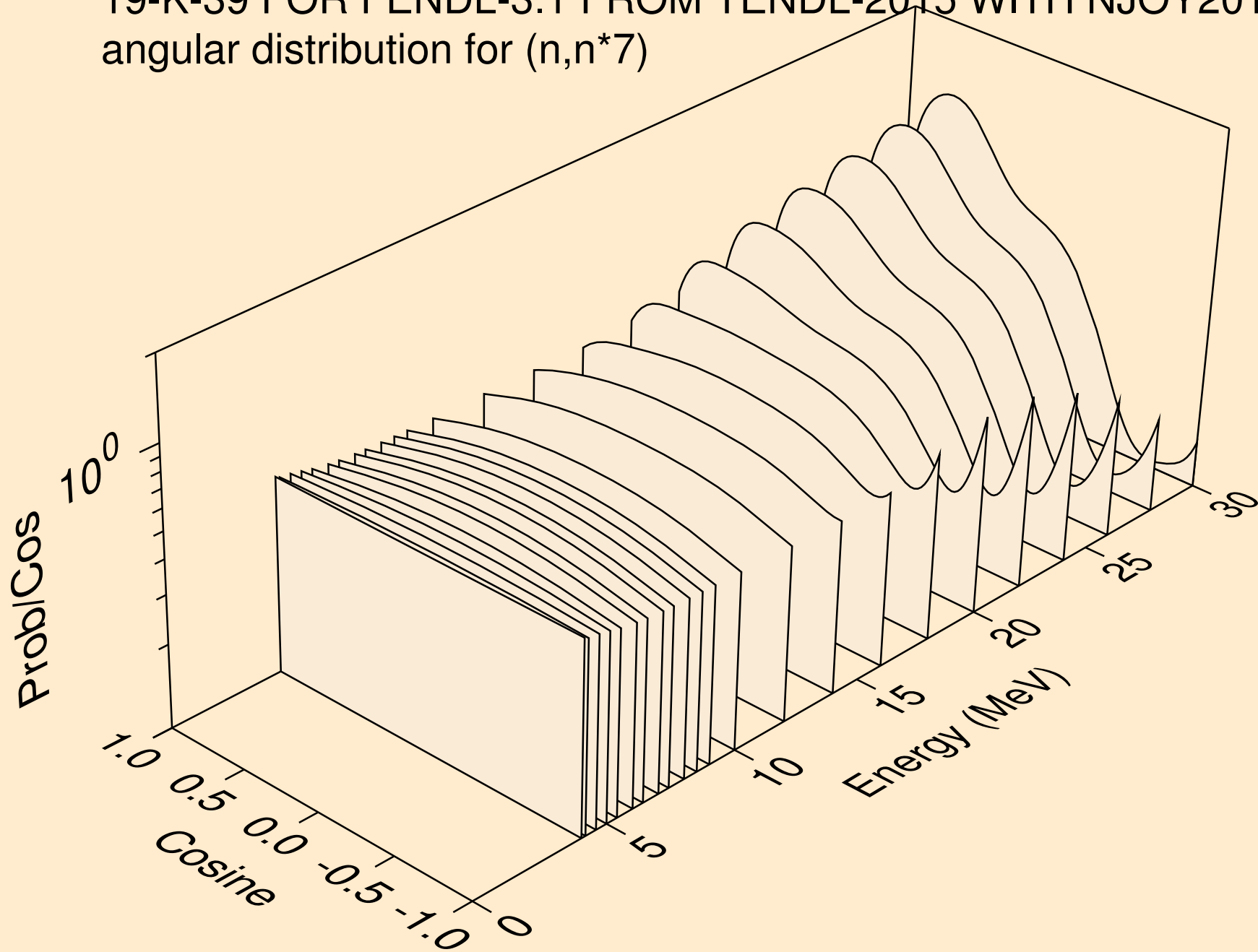


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*6)

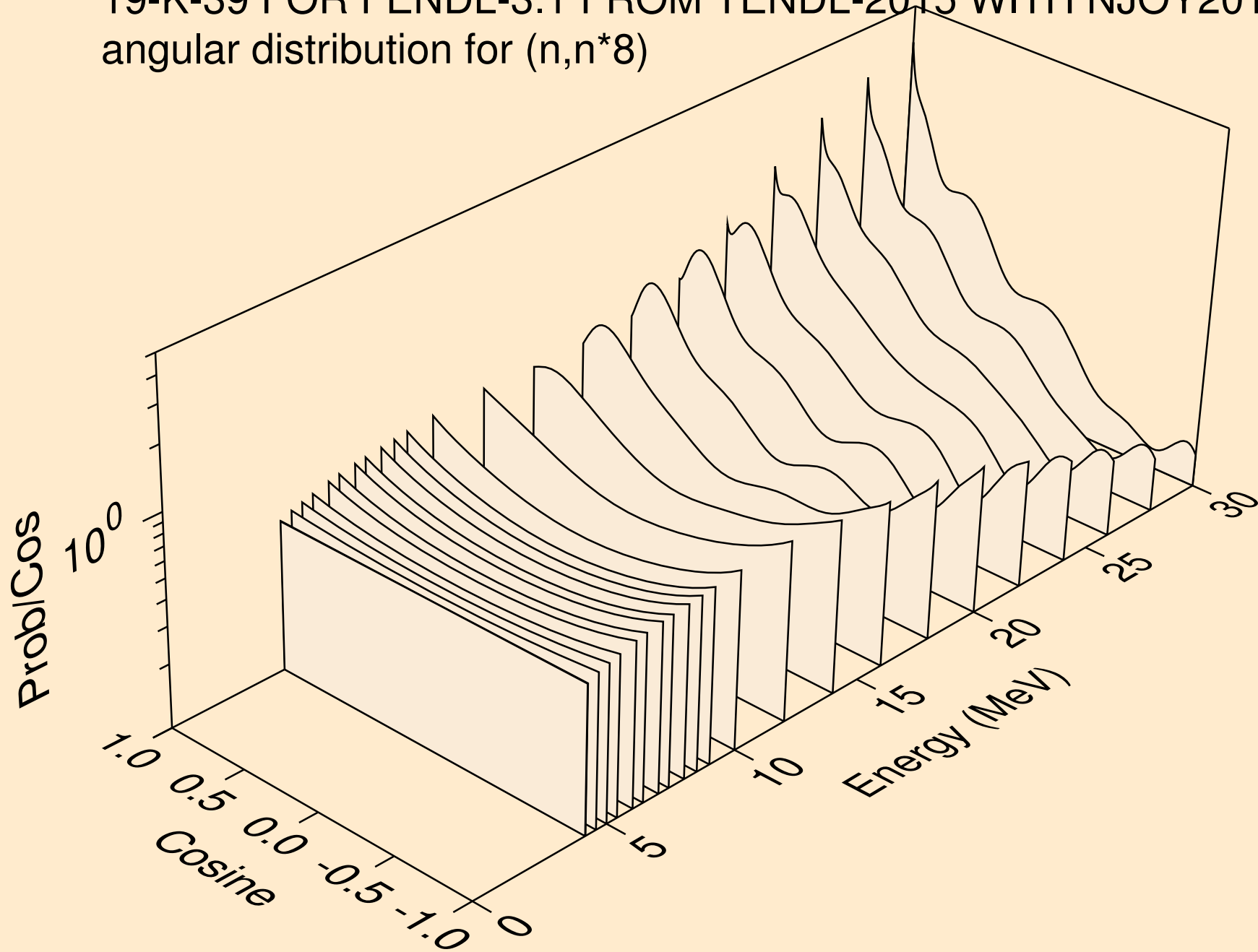




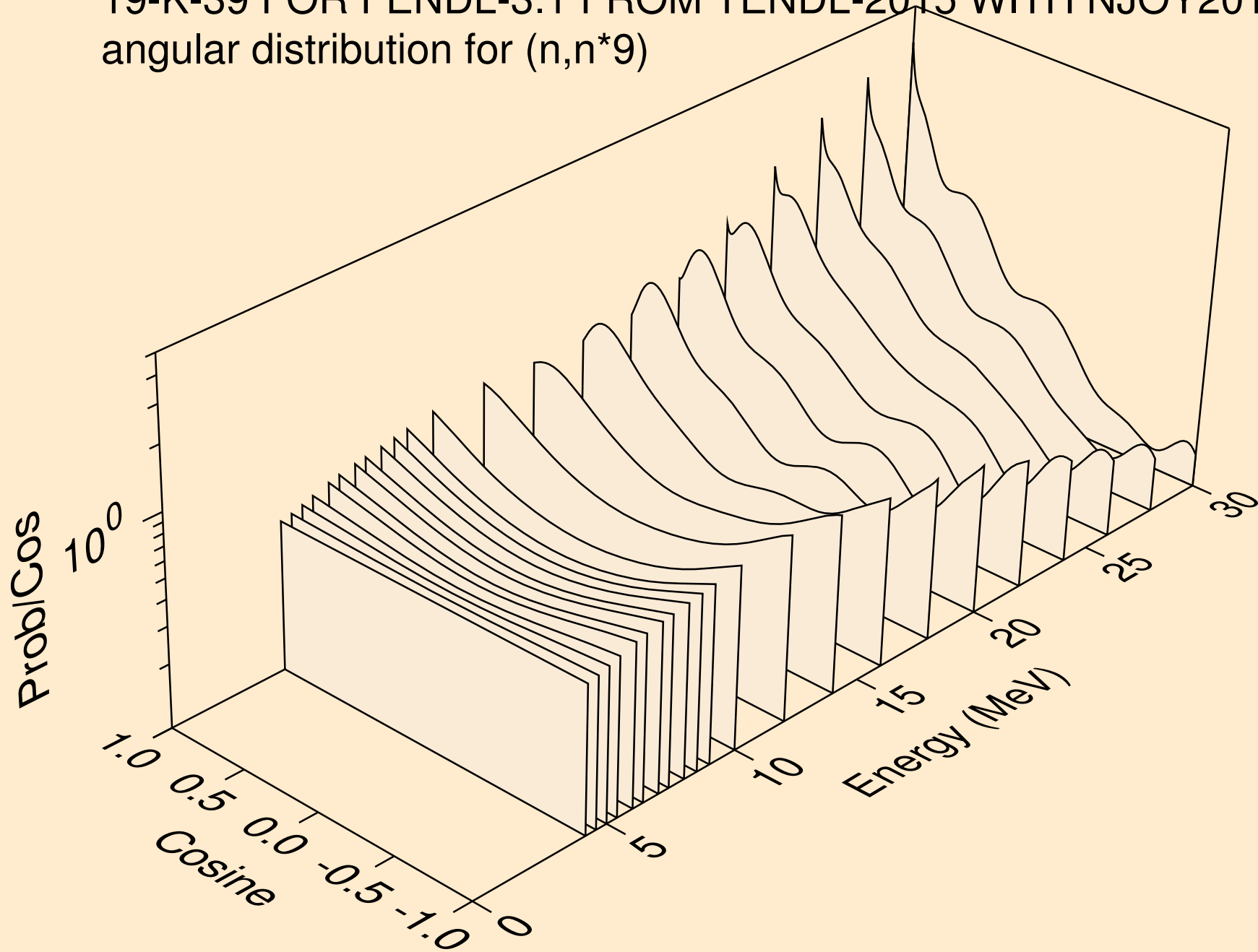
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*7)



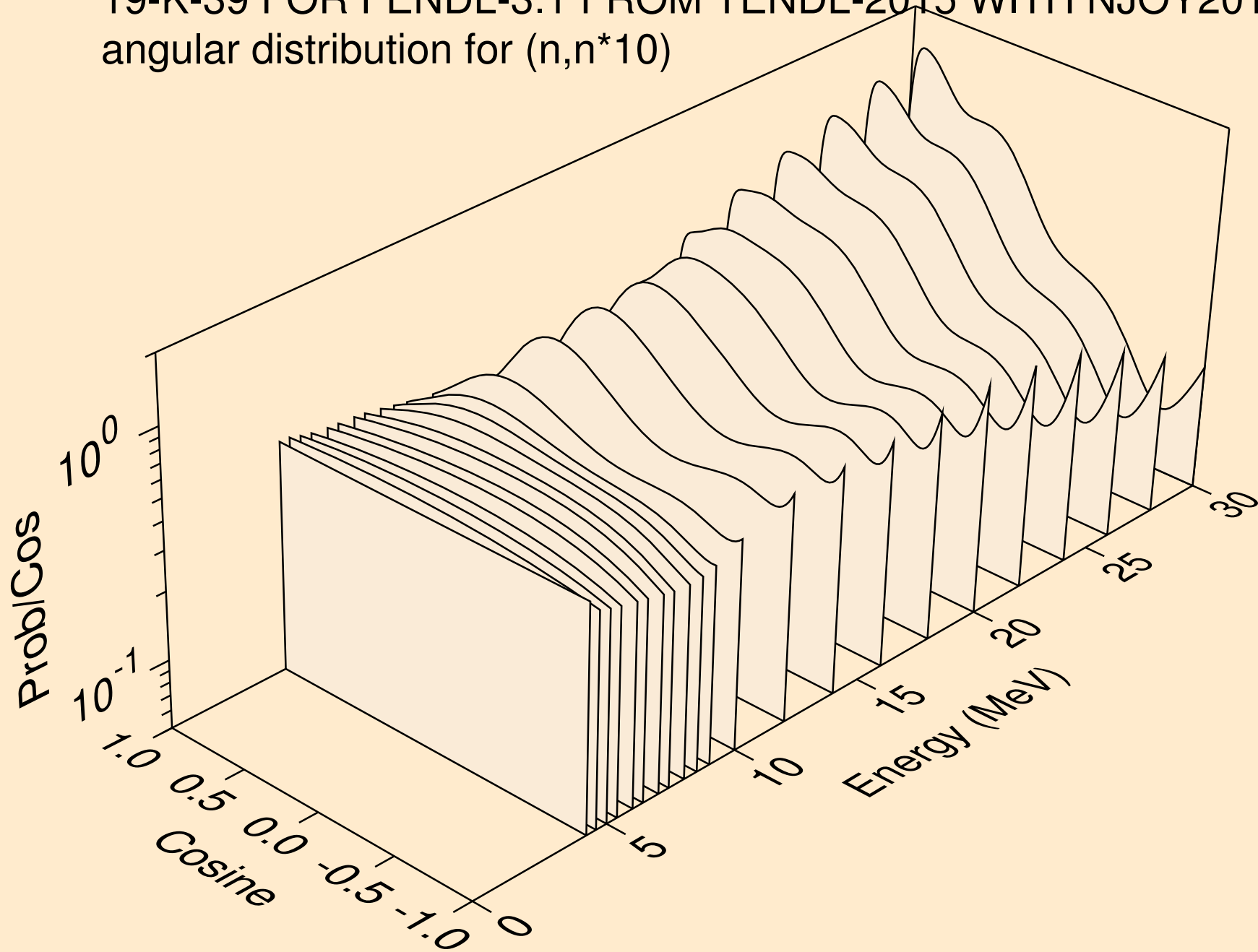
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*8)



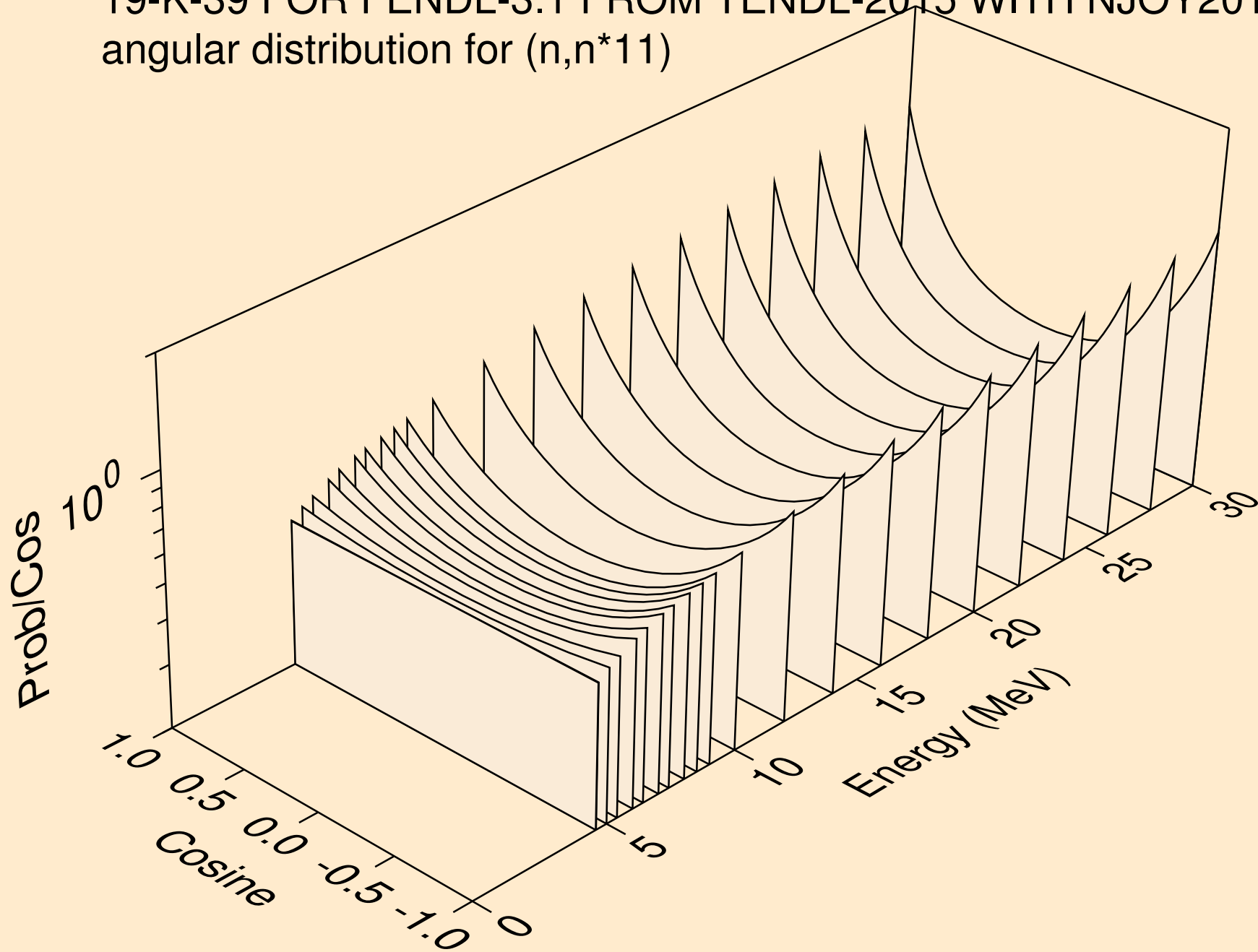
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*9)



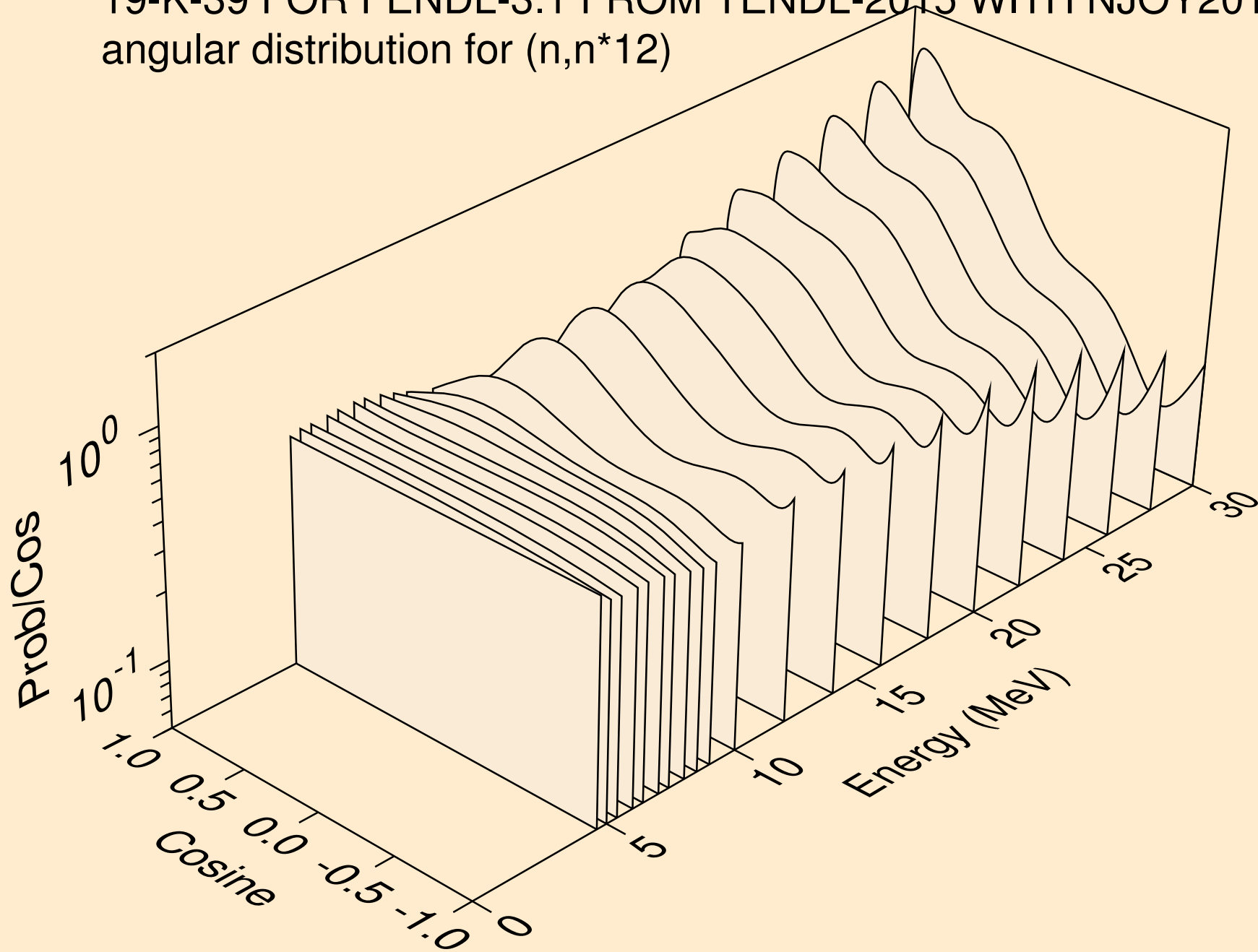
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*10)



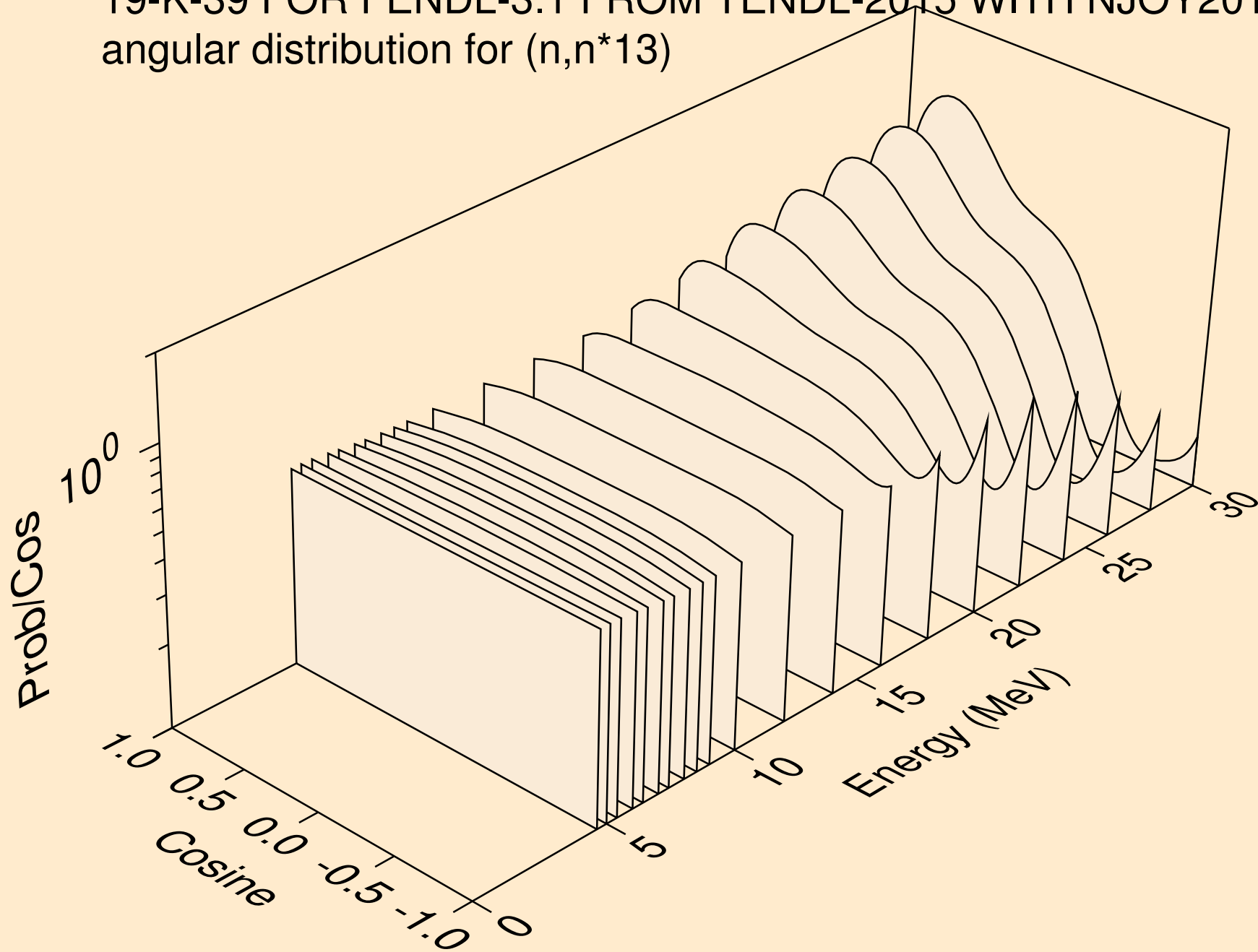
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*11)



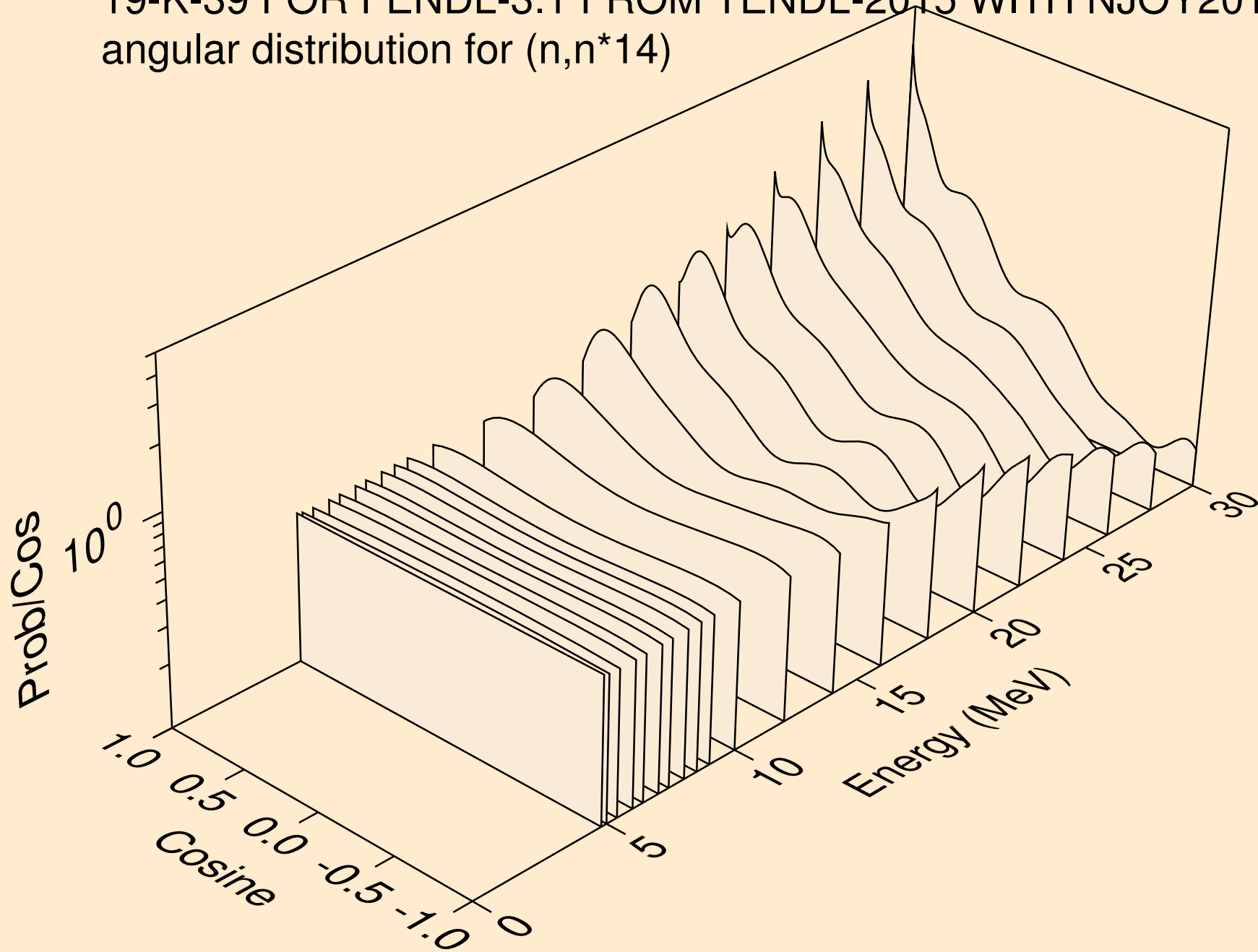
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*12)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*13)

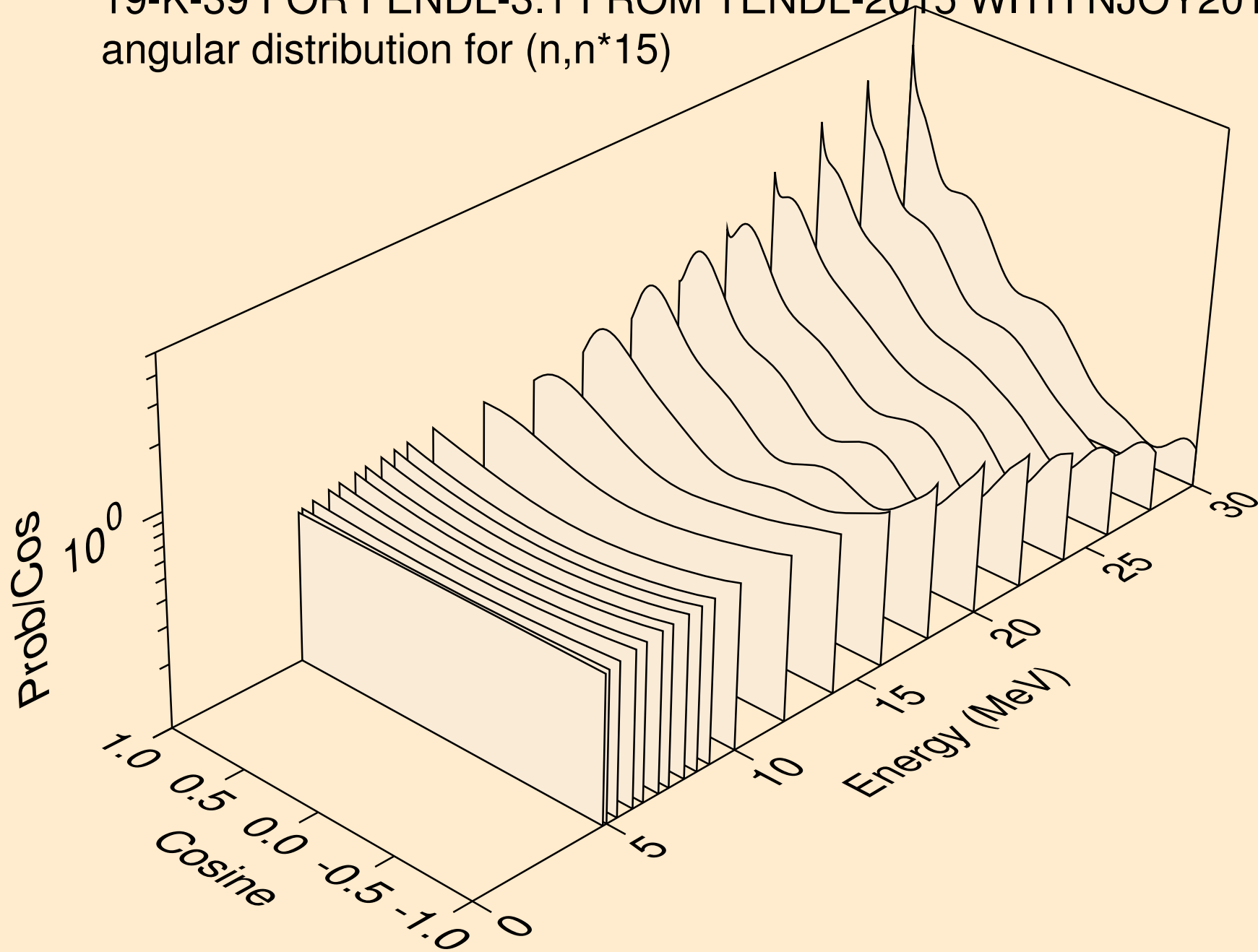


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*14)

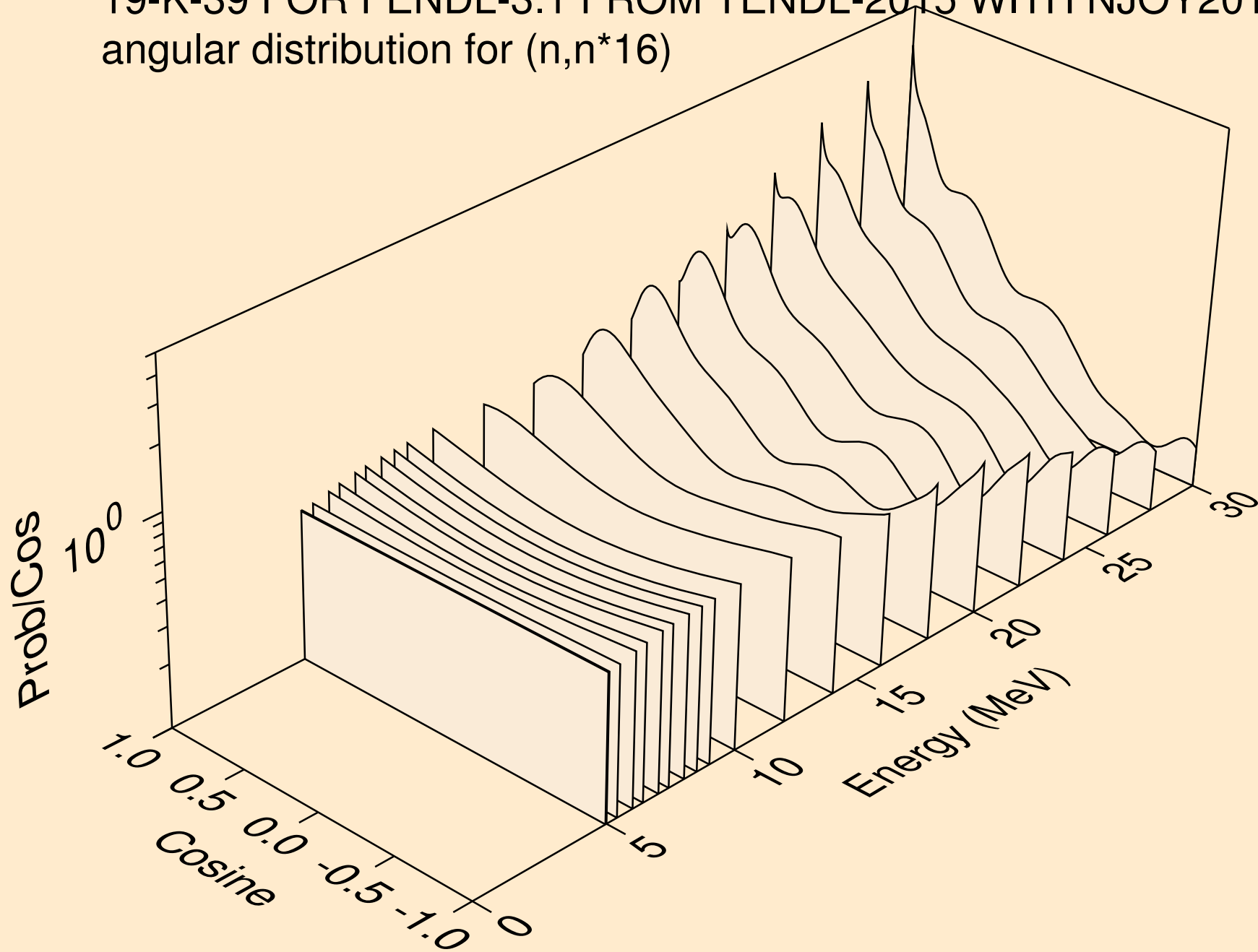




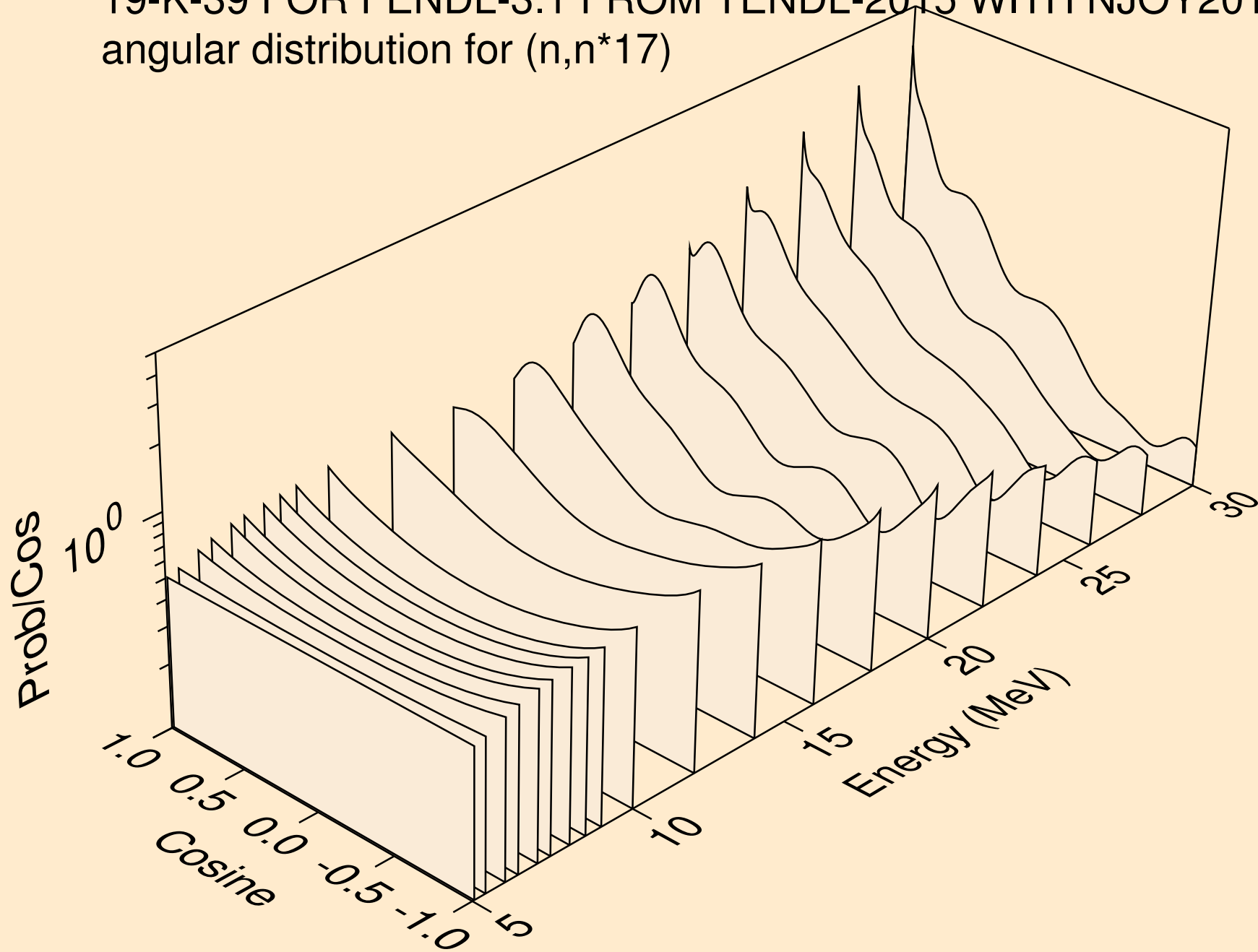
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*15)



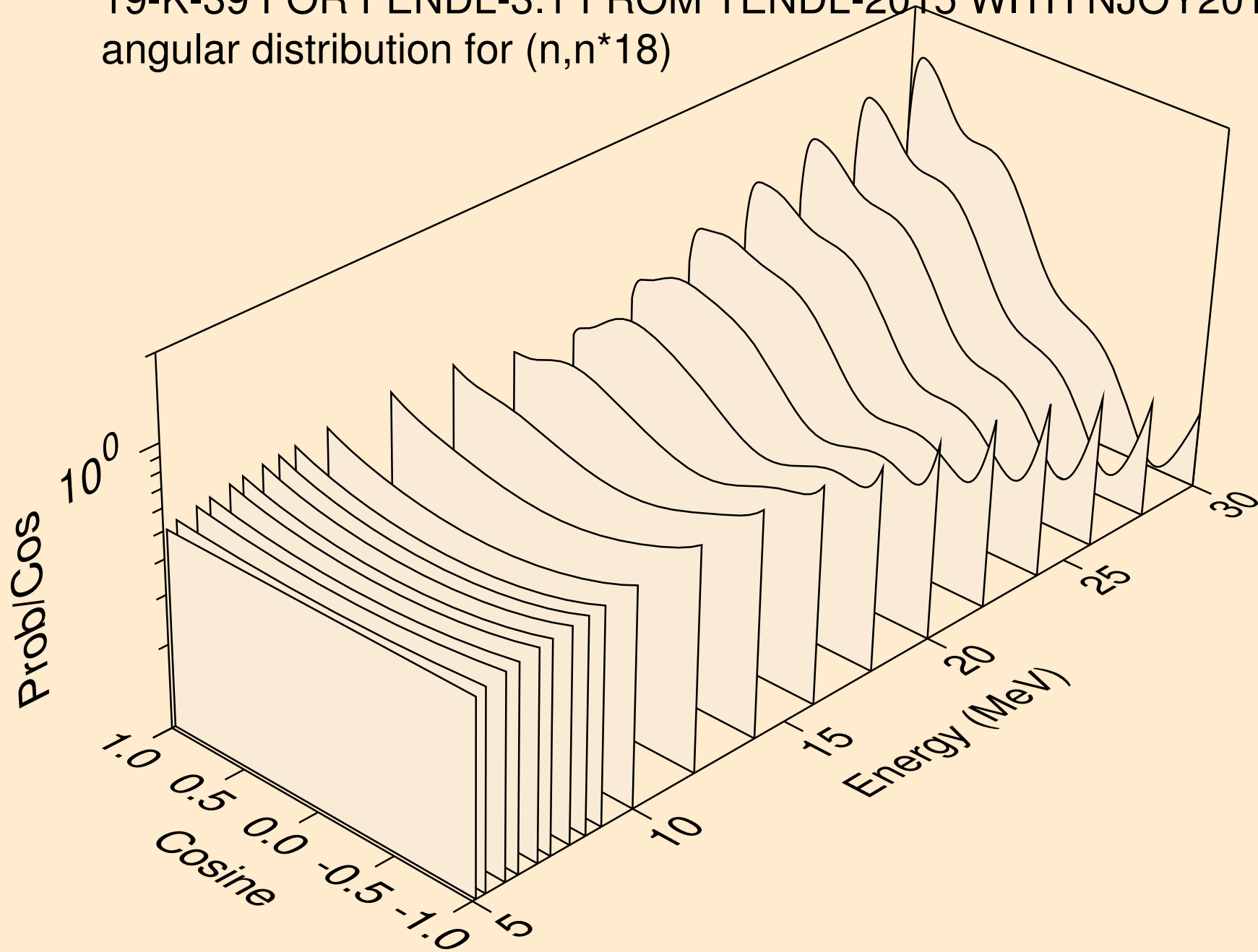
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*16)



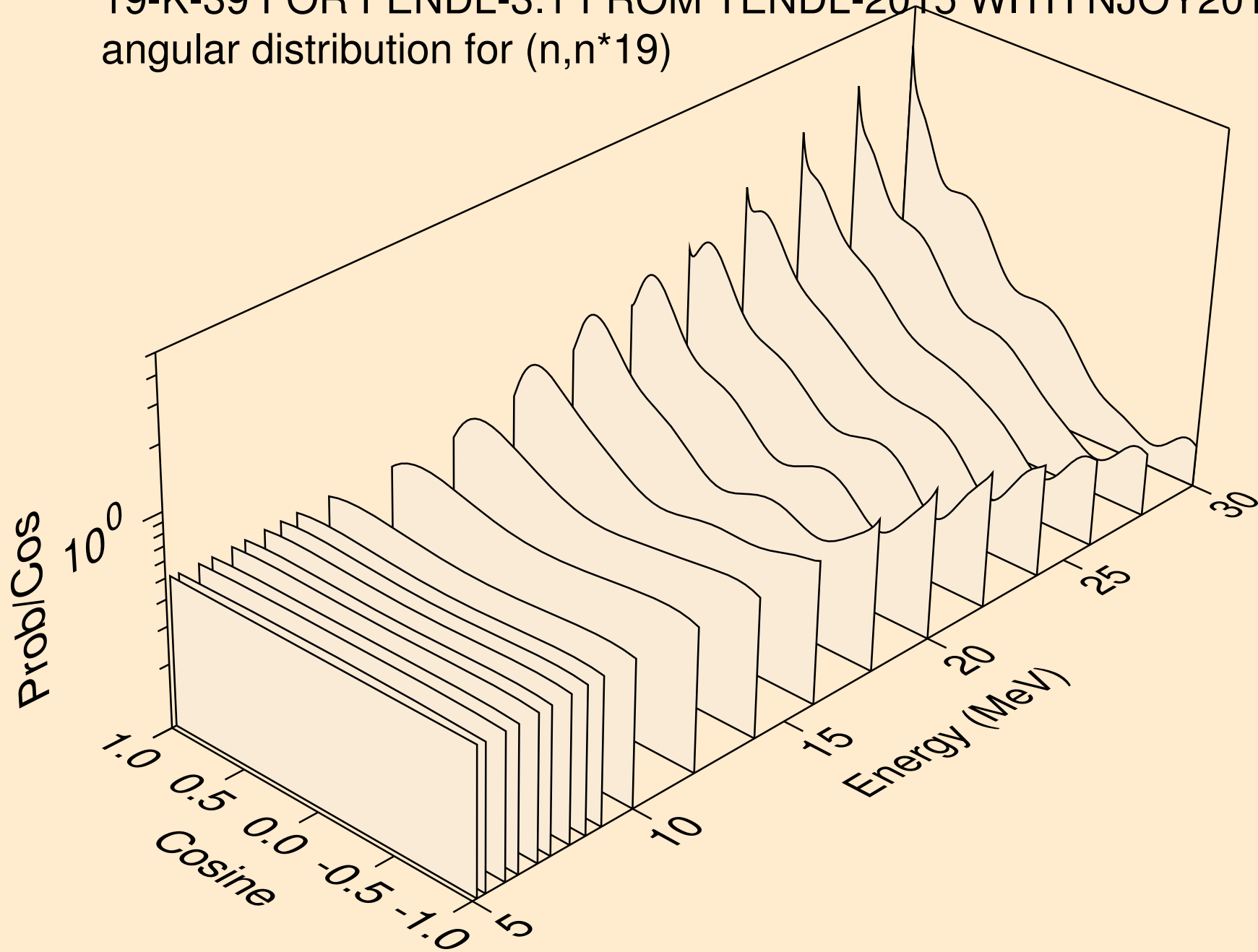
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*17)



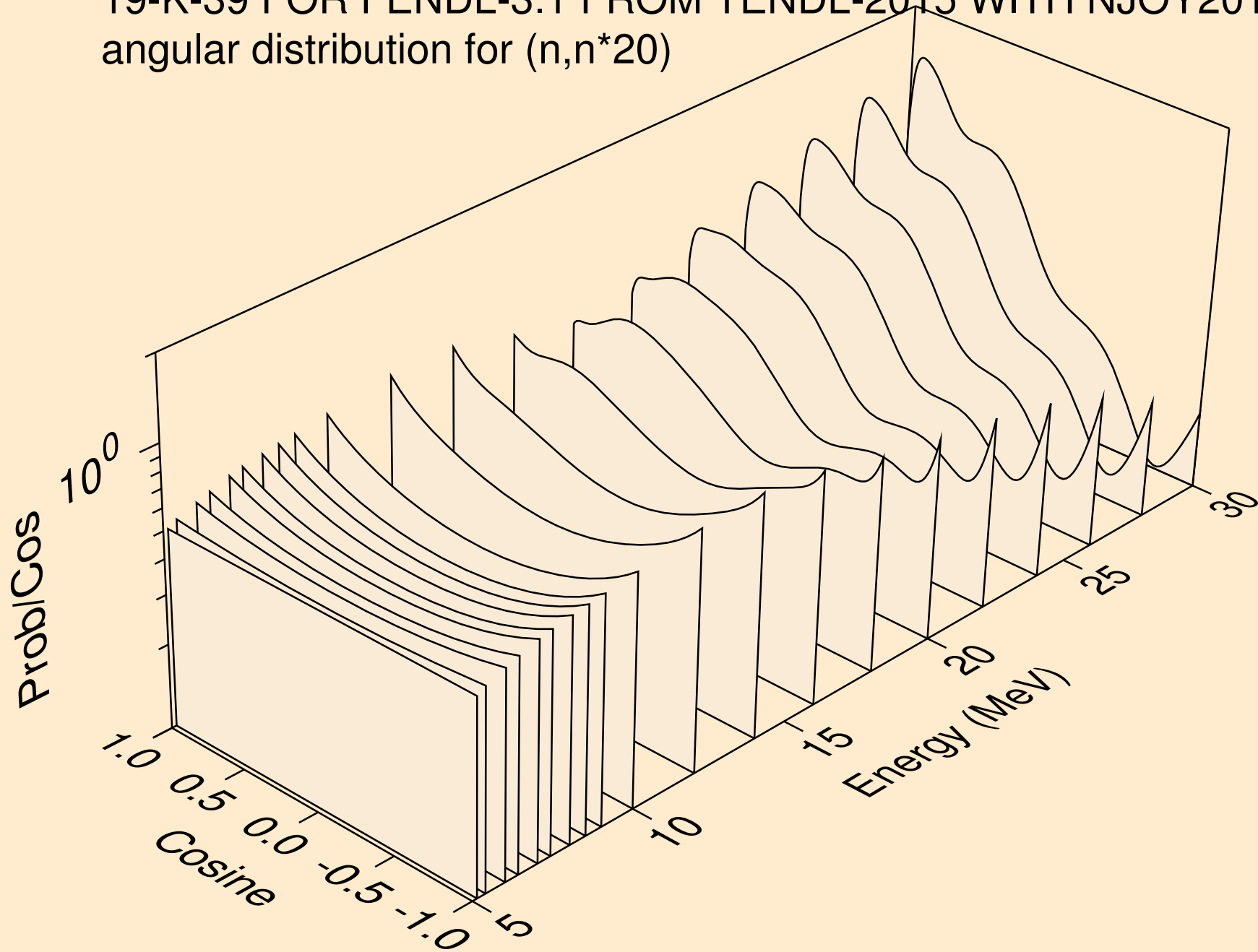
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*18)



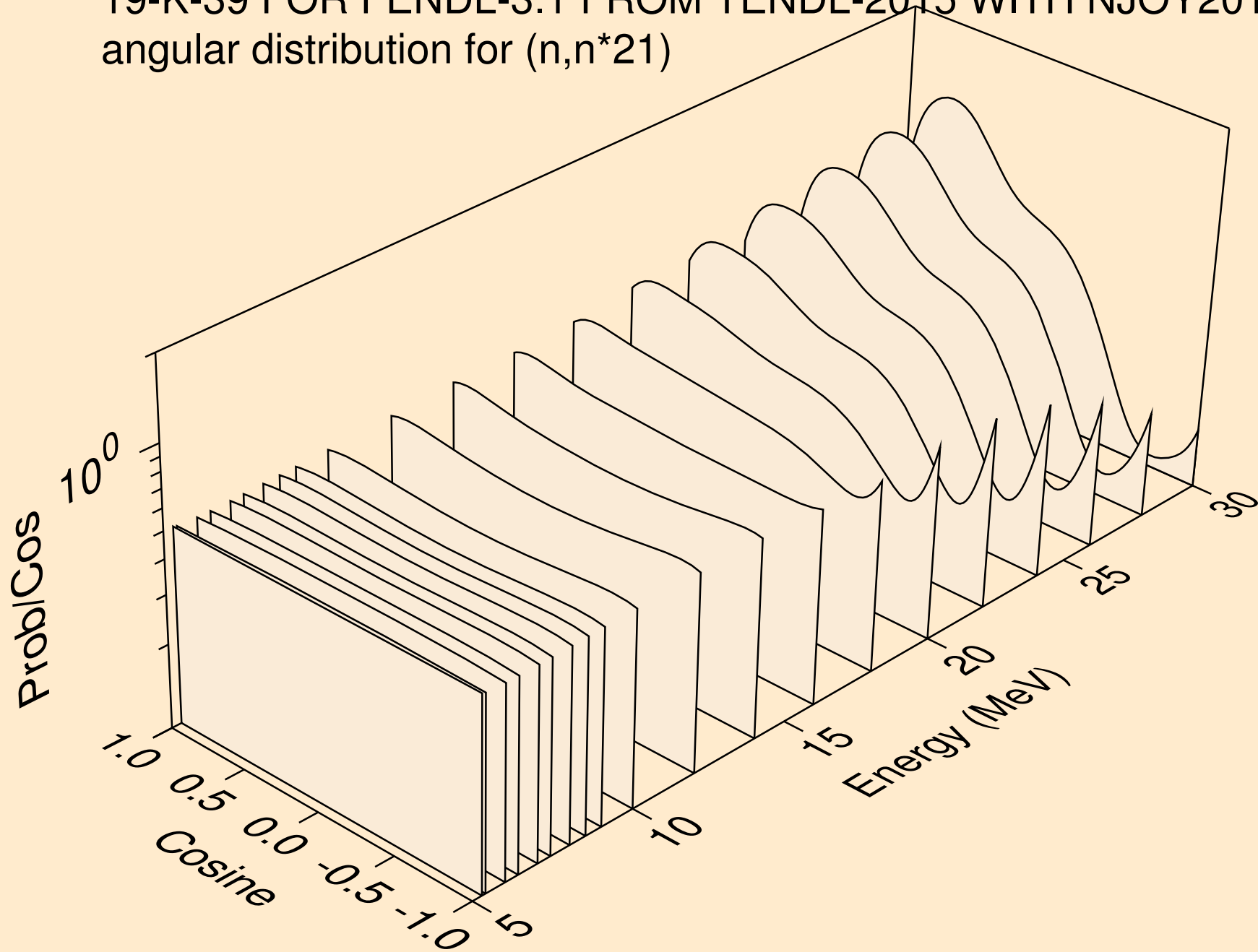
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*19)



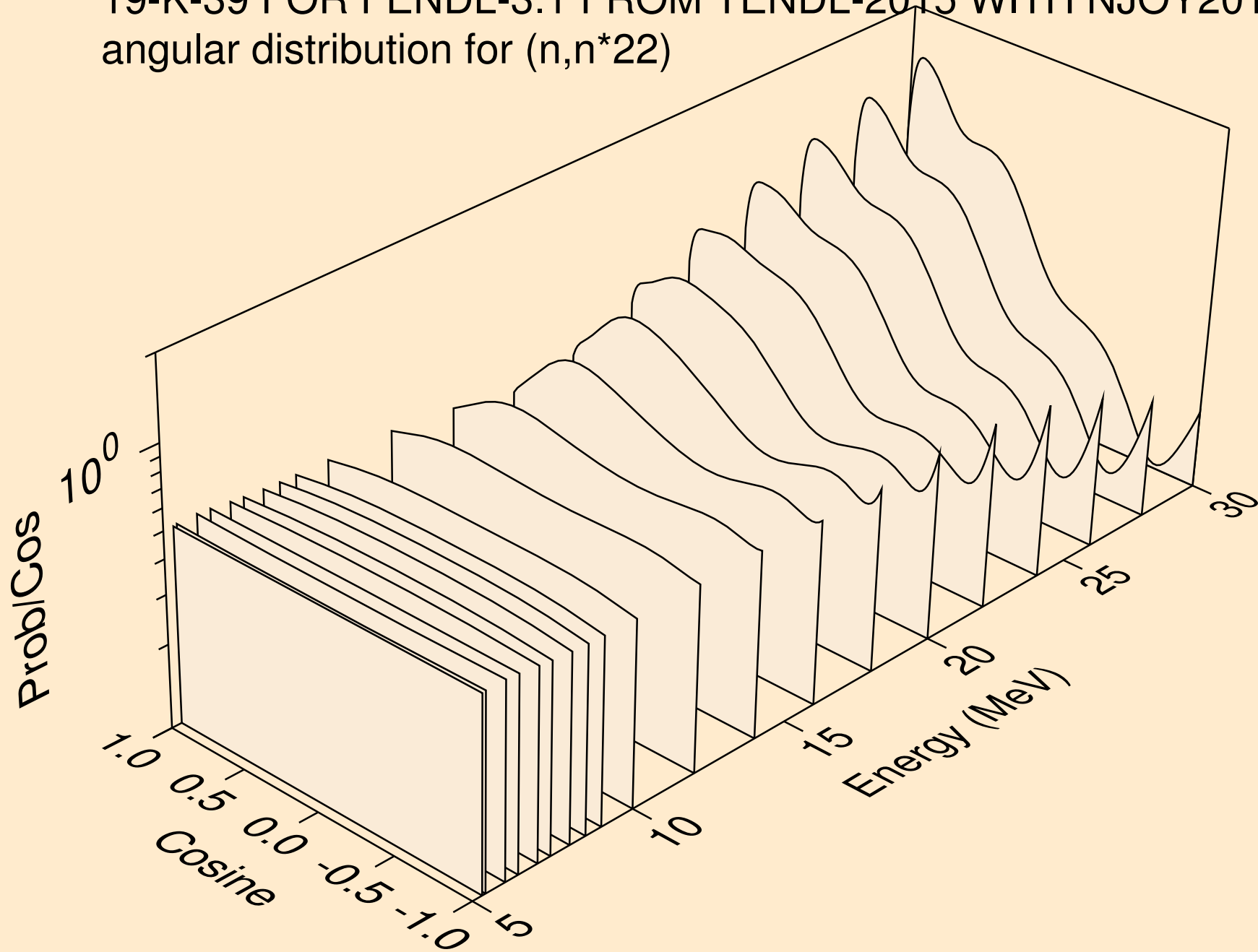
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*20)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*21)

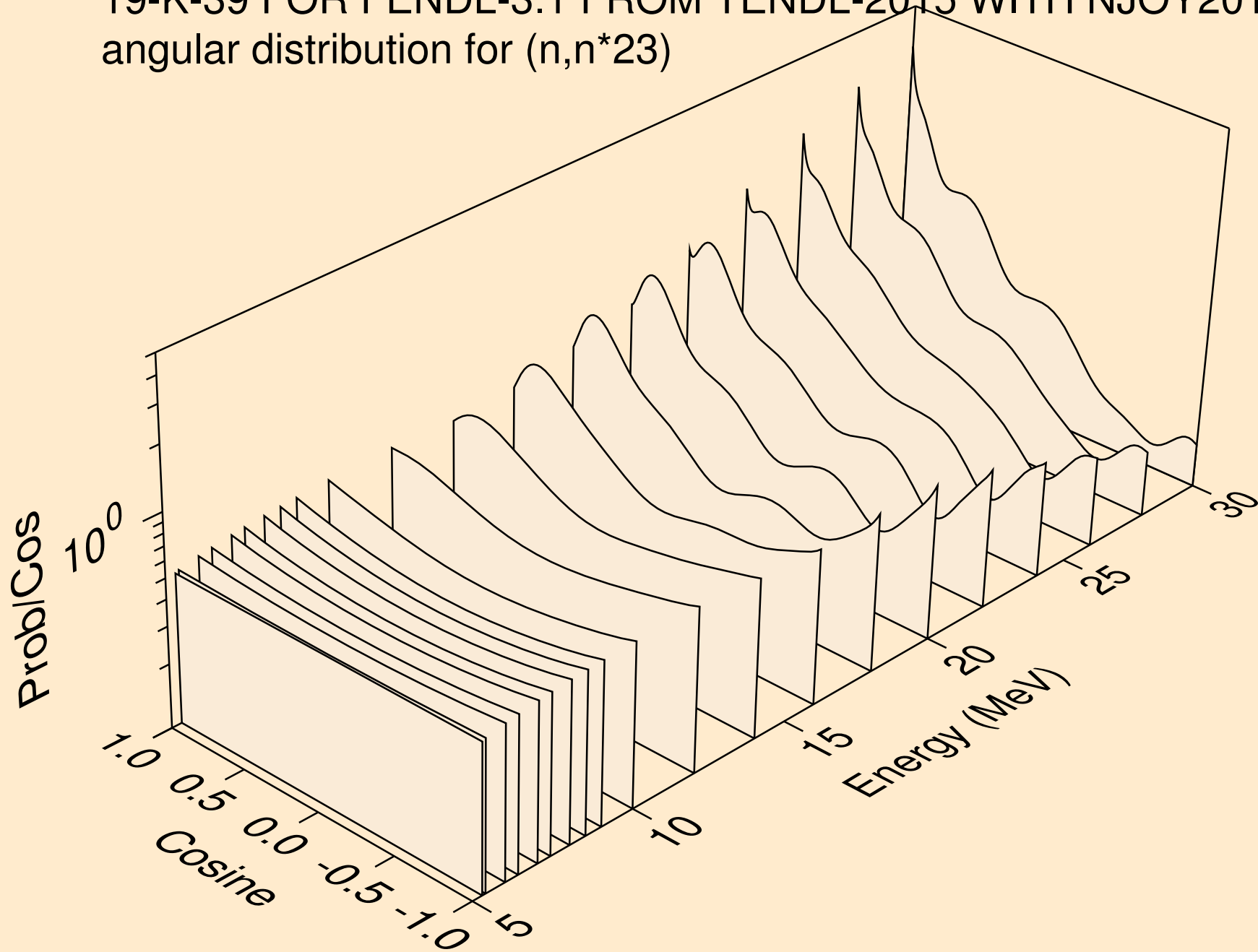


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*22)

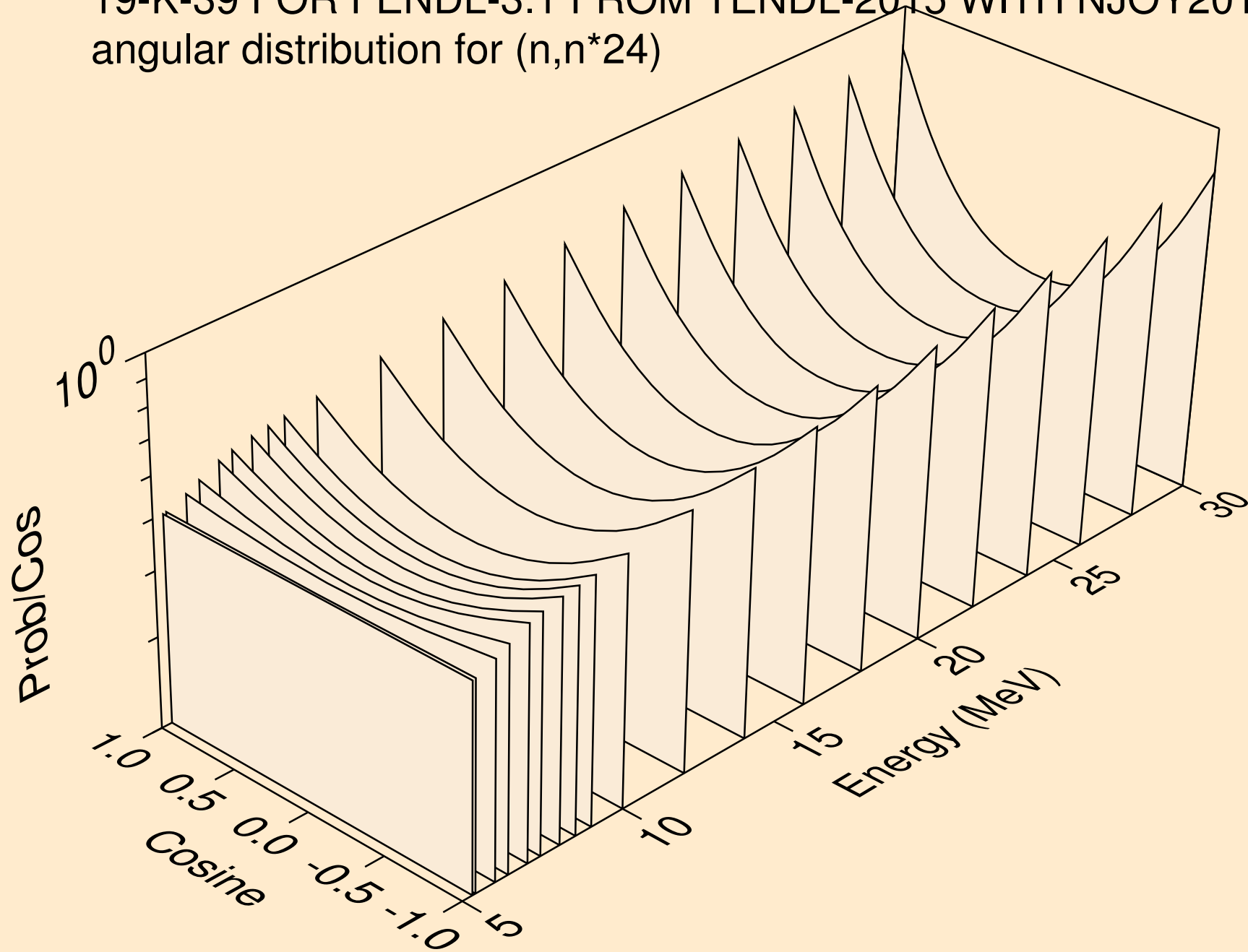




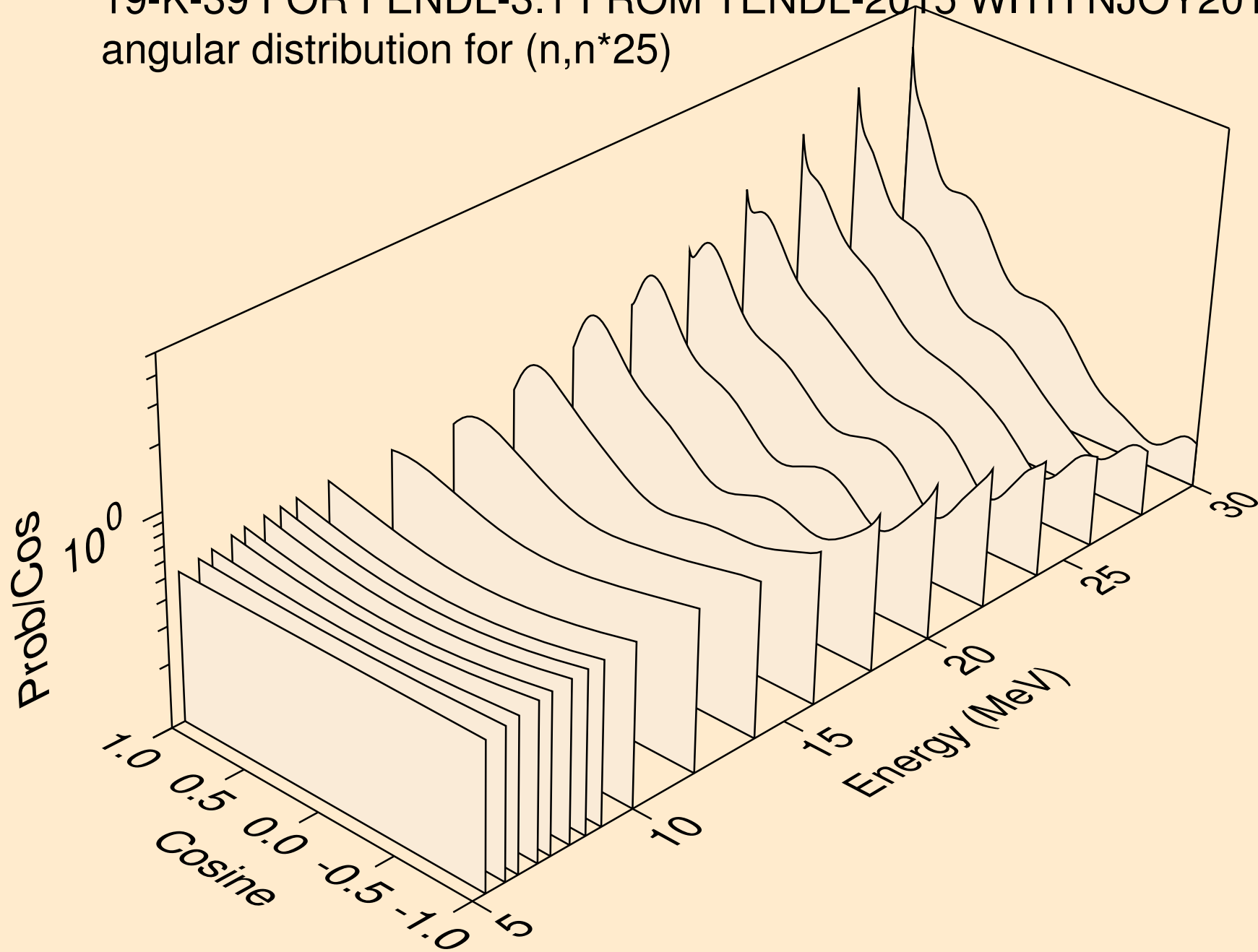
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*23)



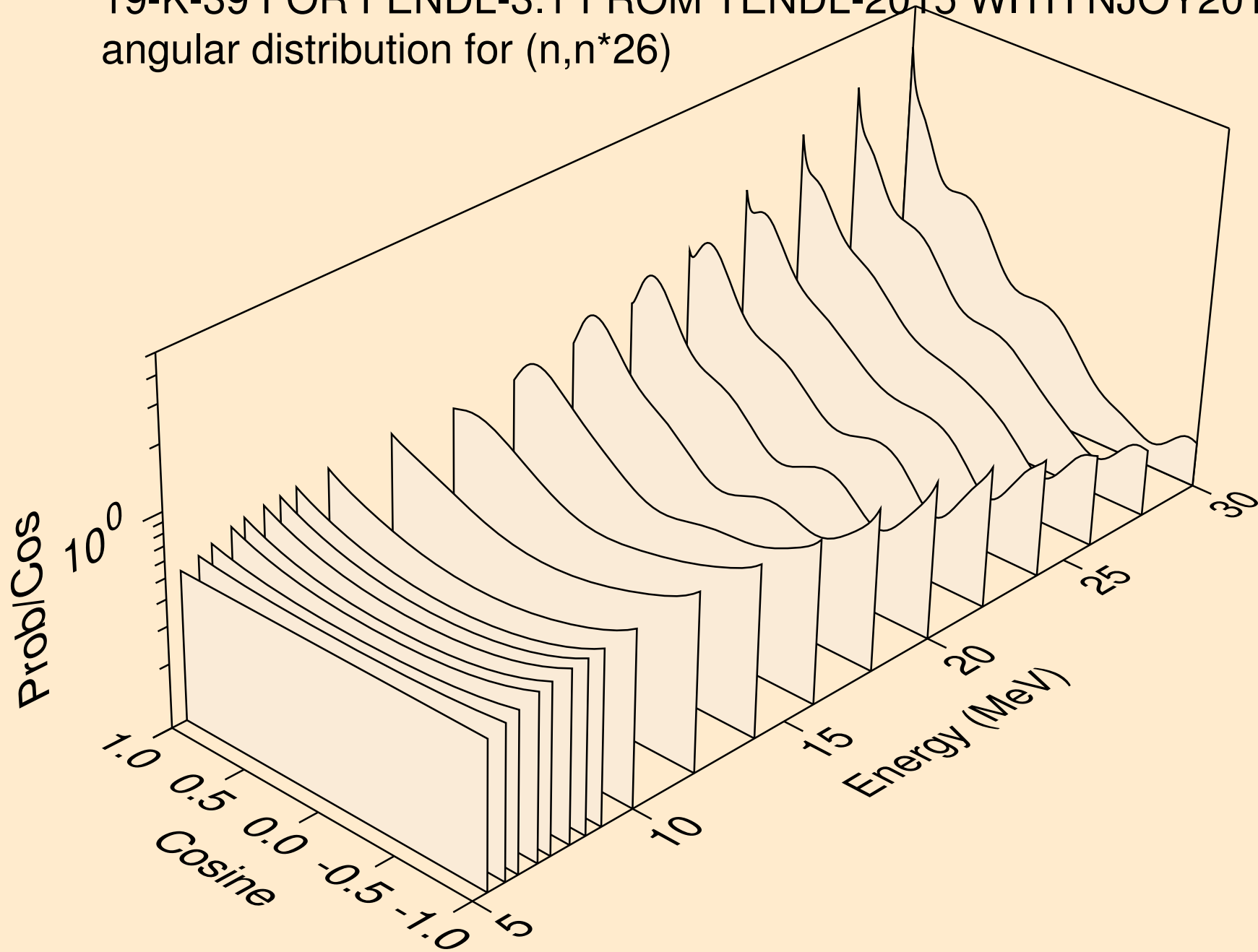
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*24)



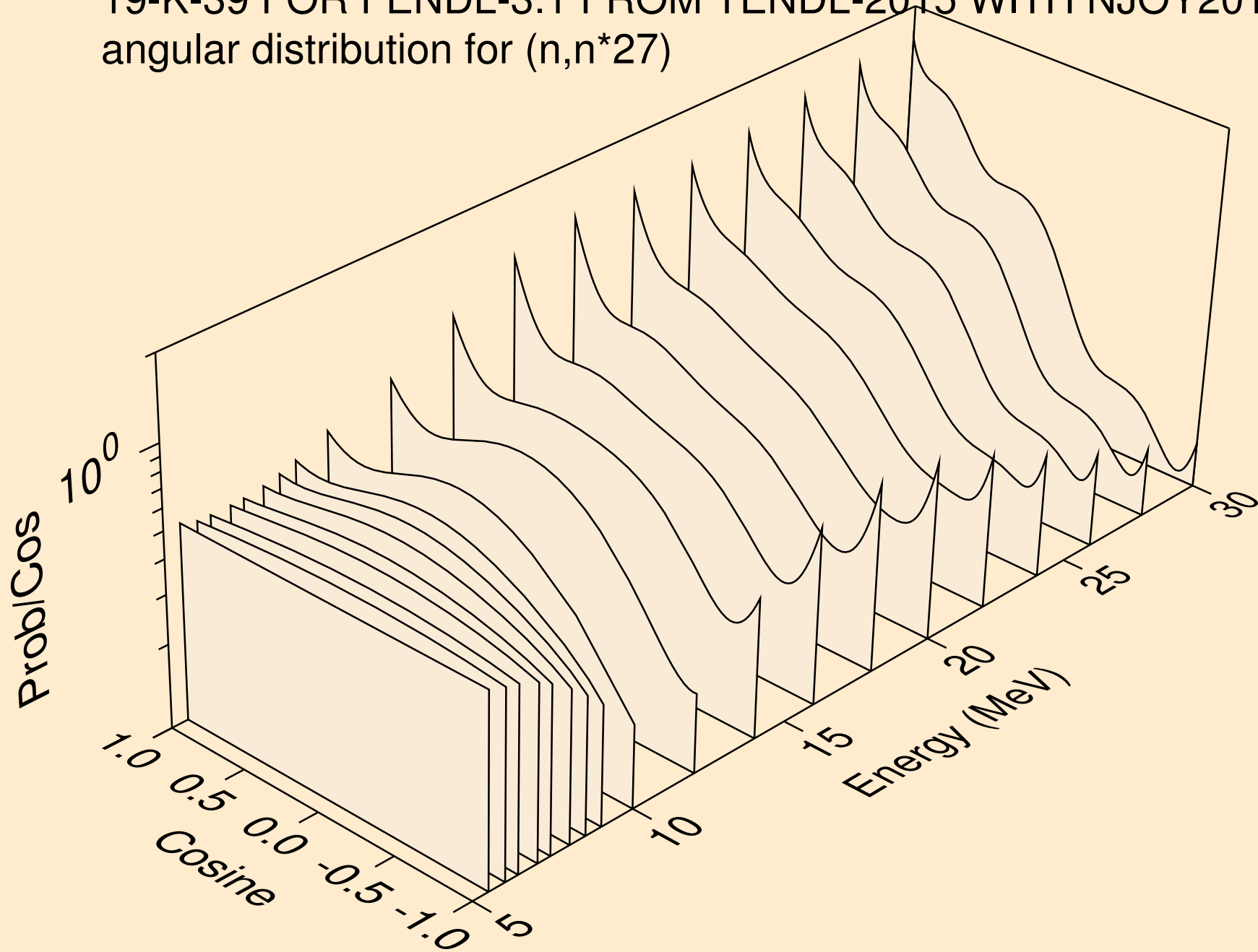
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY21012.82+  
angular distribution for (n,n\*25)



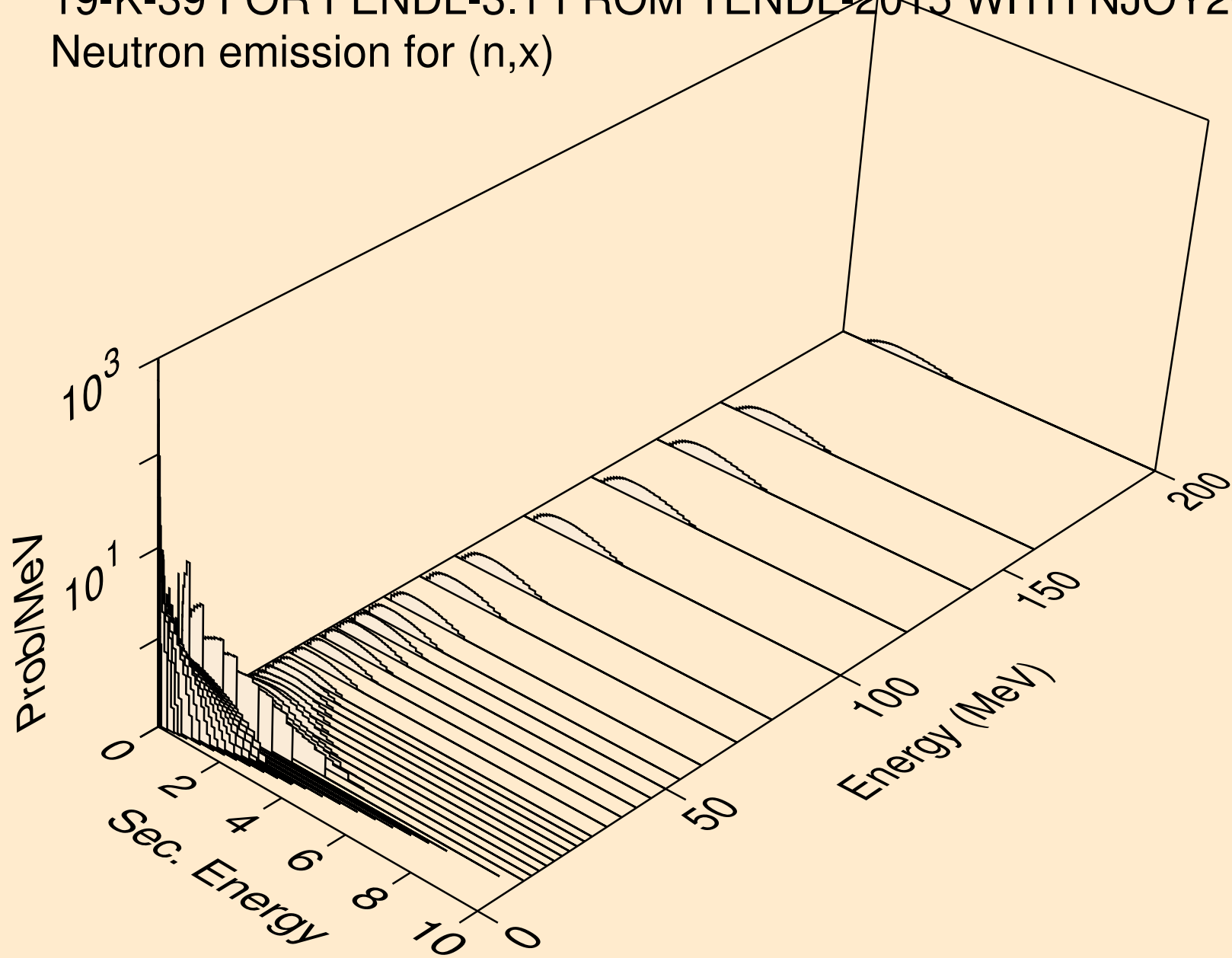
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
angular distribution for (n,n\*26)



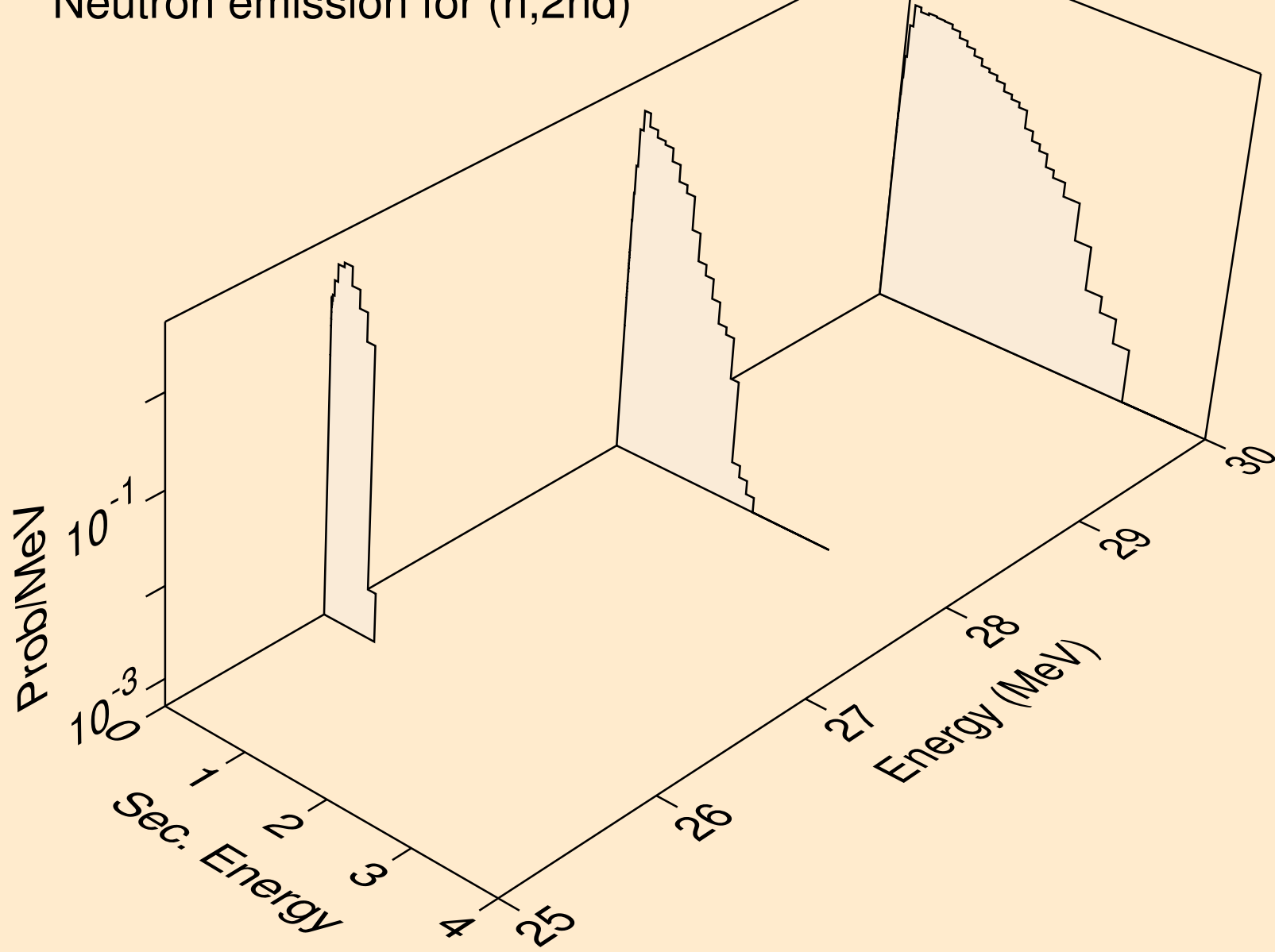
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY21012.82+  
angular distribution for (n,n\*27)



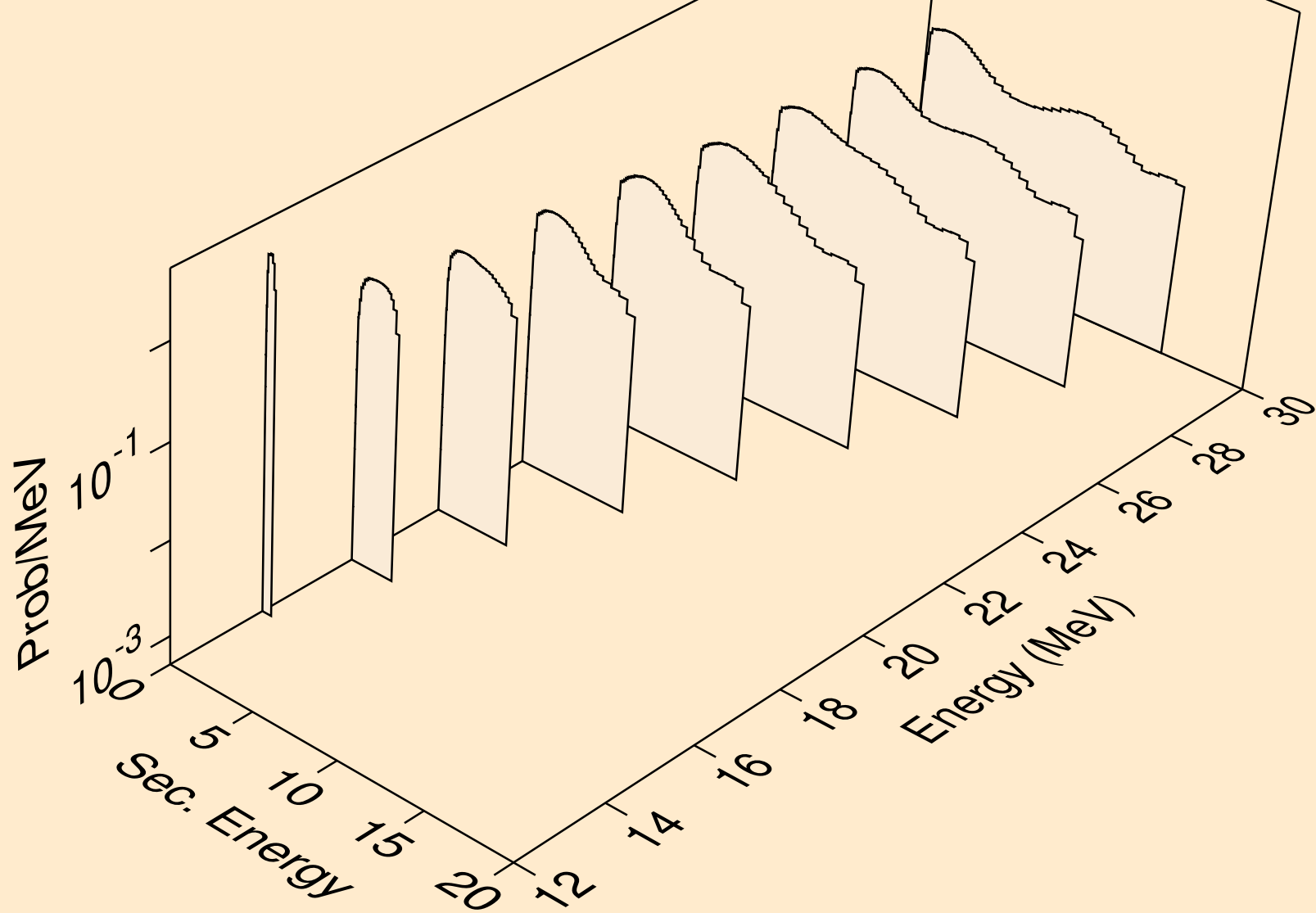
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,x)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,2nd)

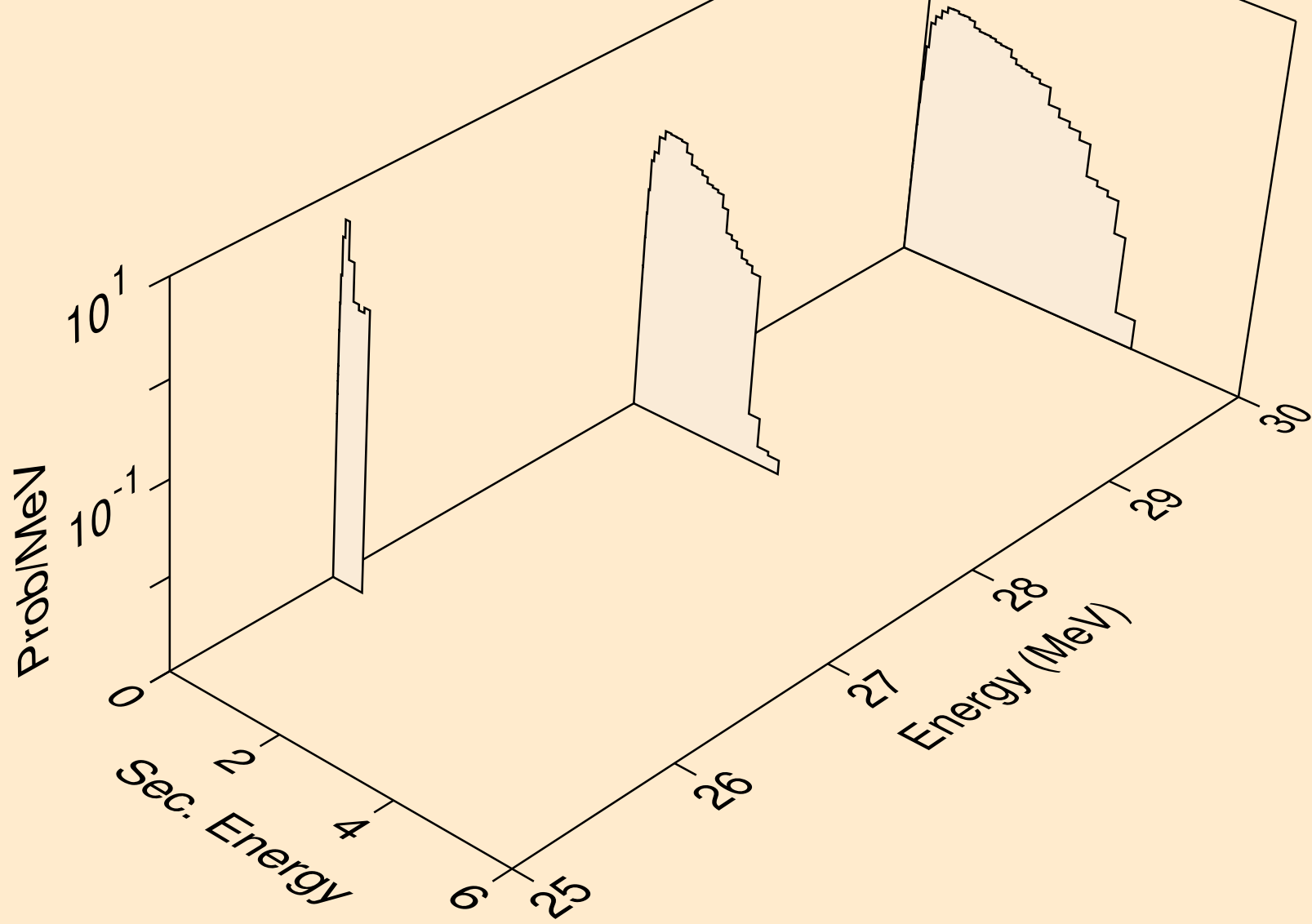


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,2n)

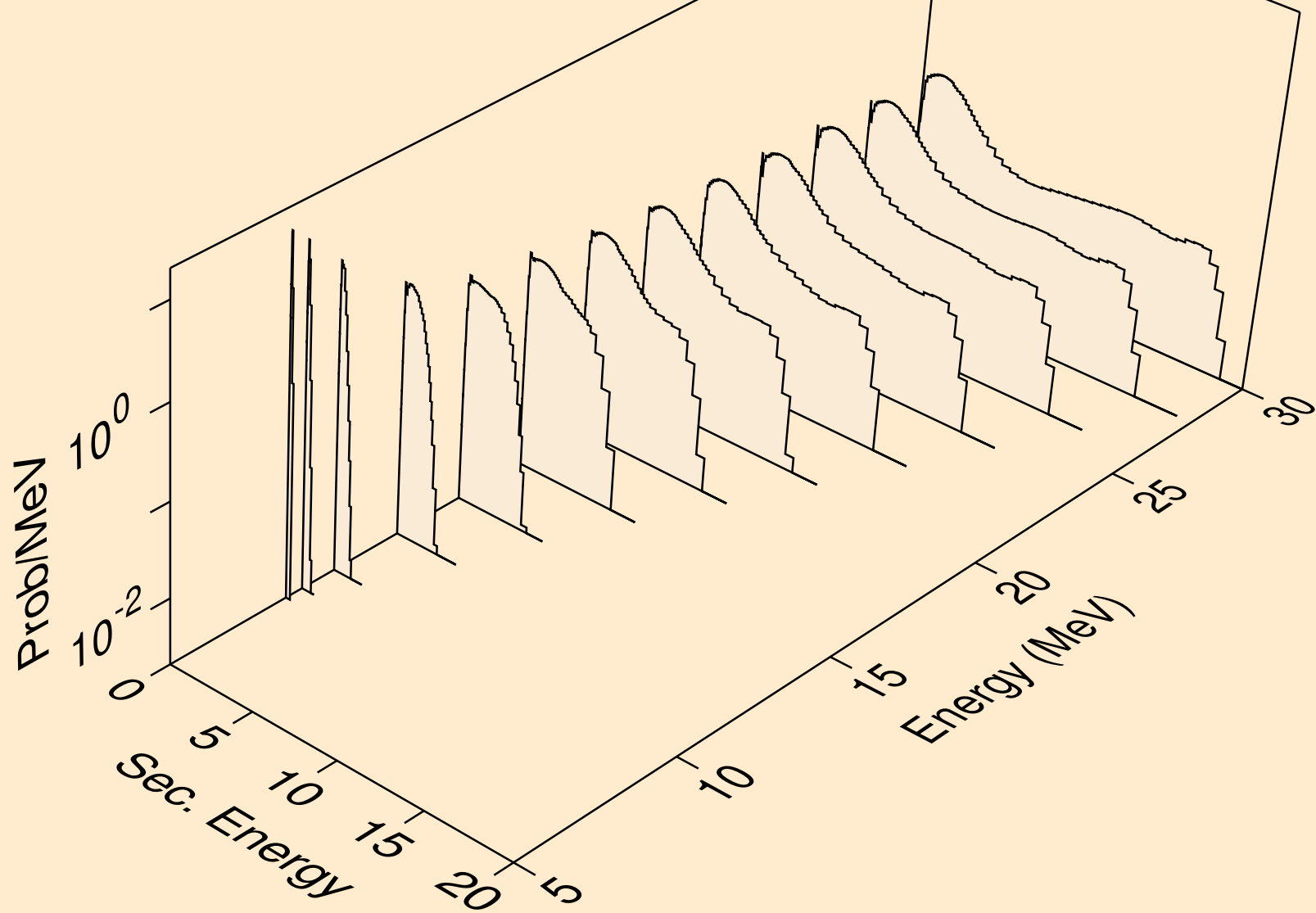




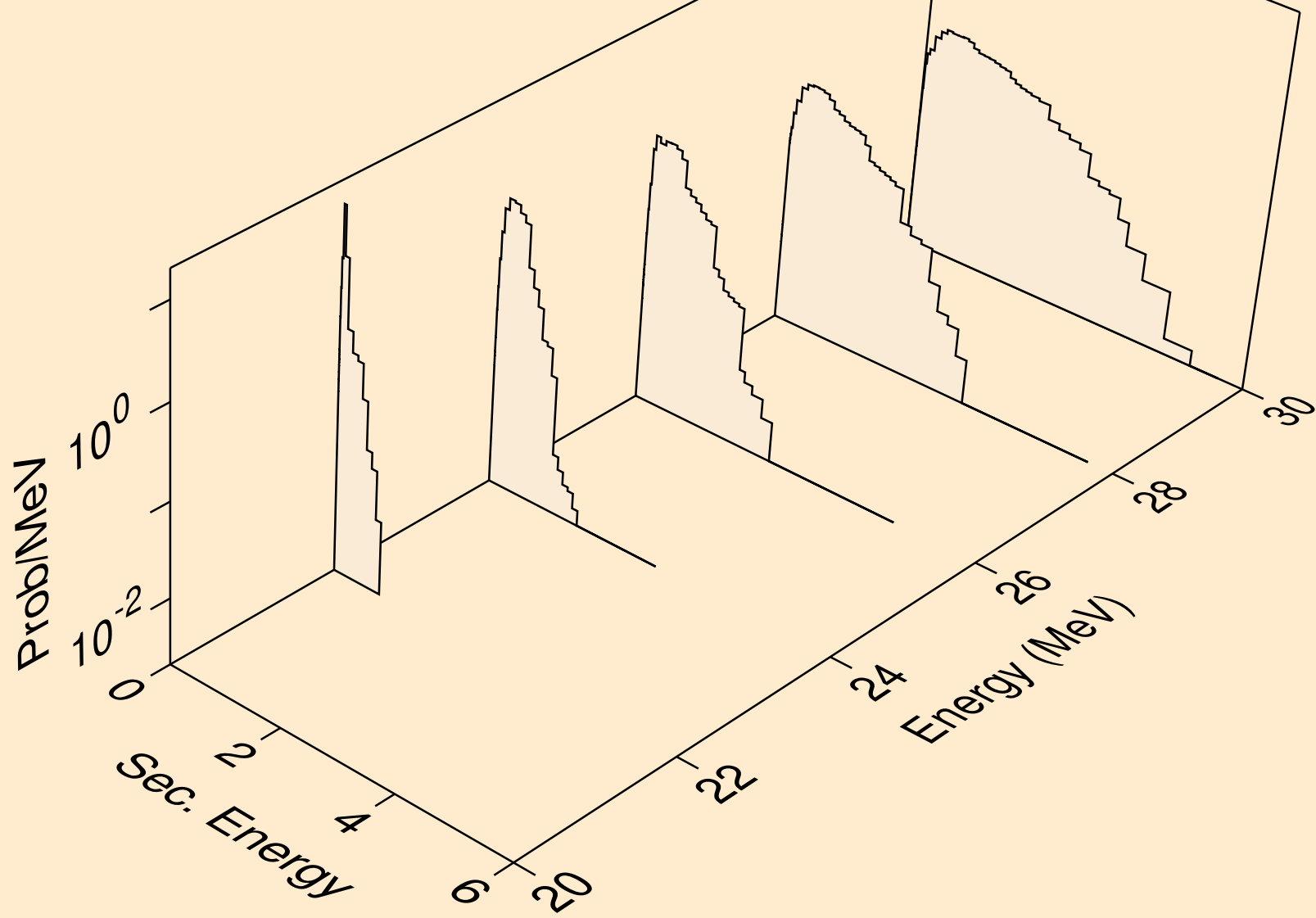
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,3n)



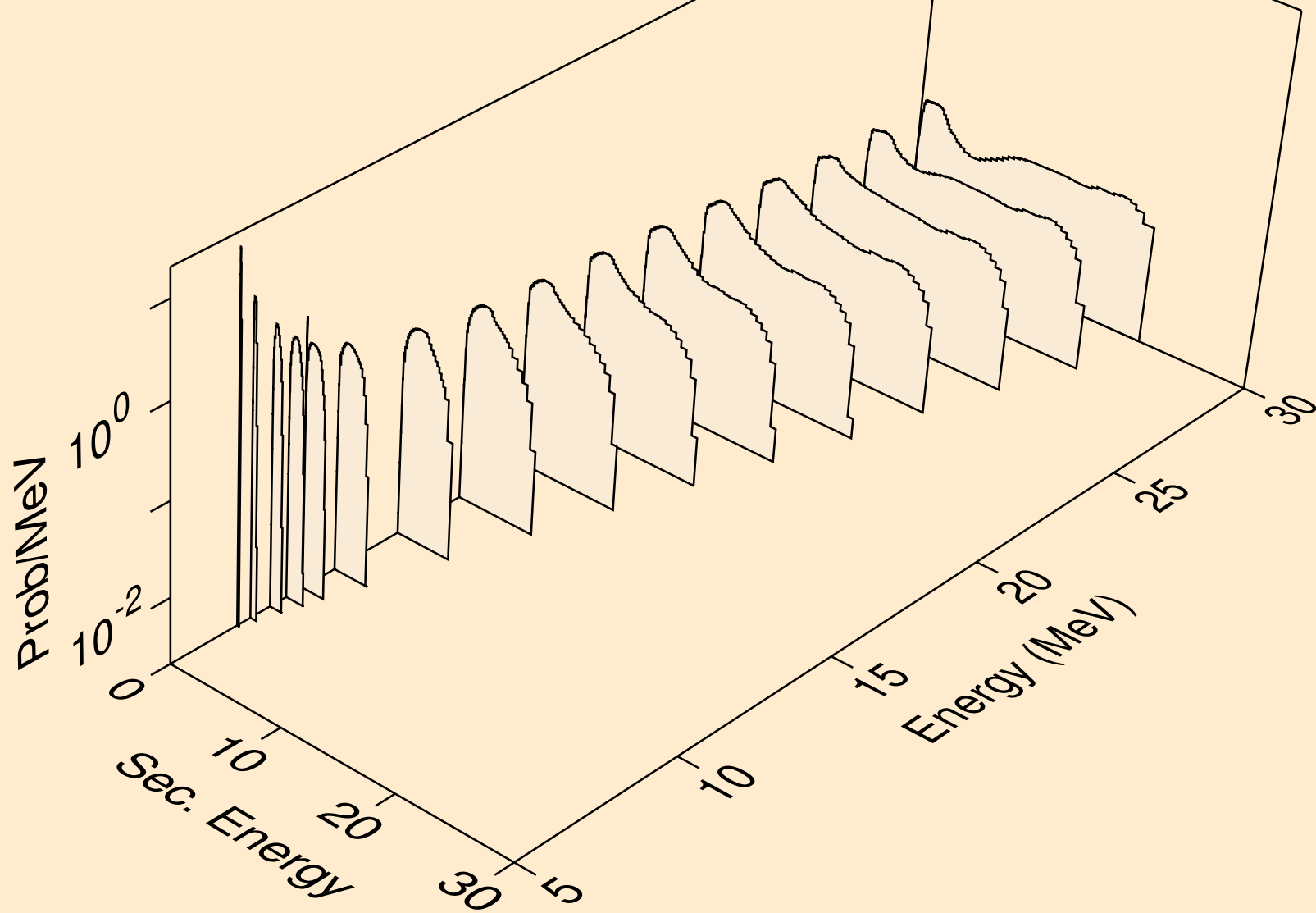
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*)a



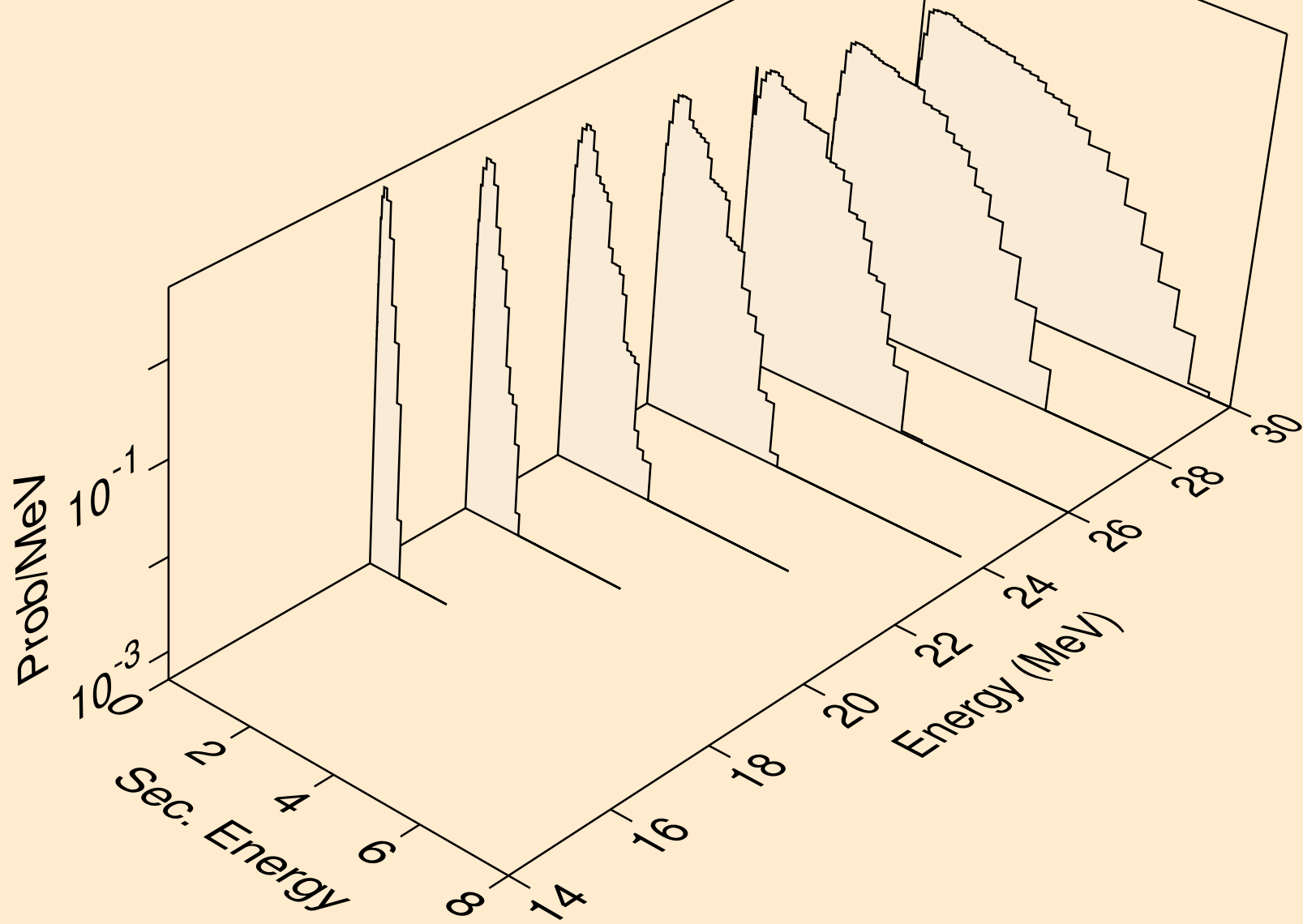
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,2n)a



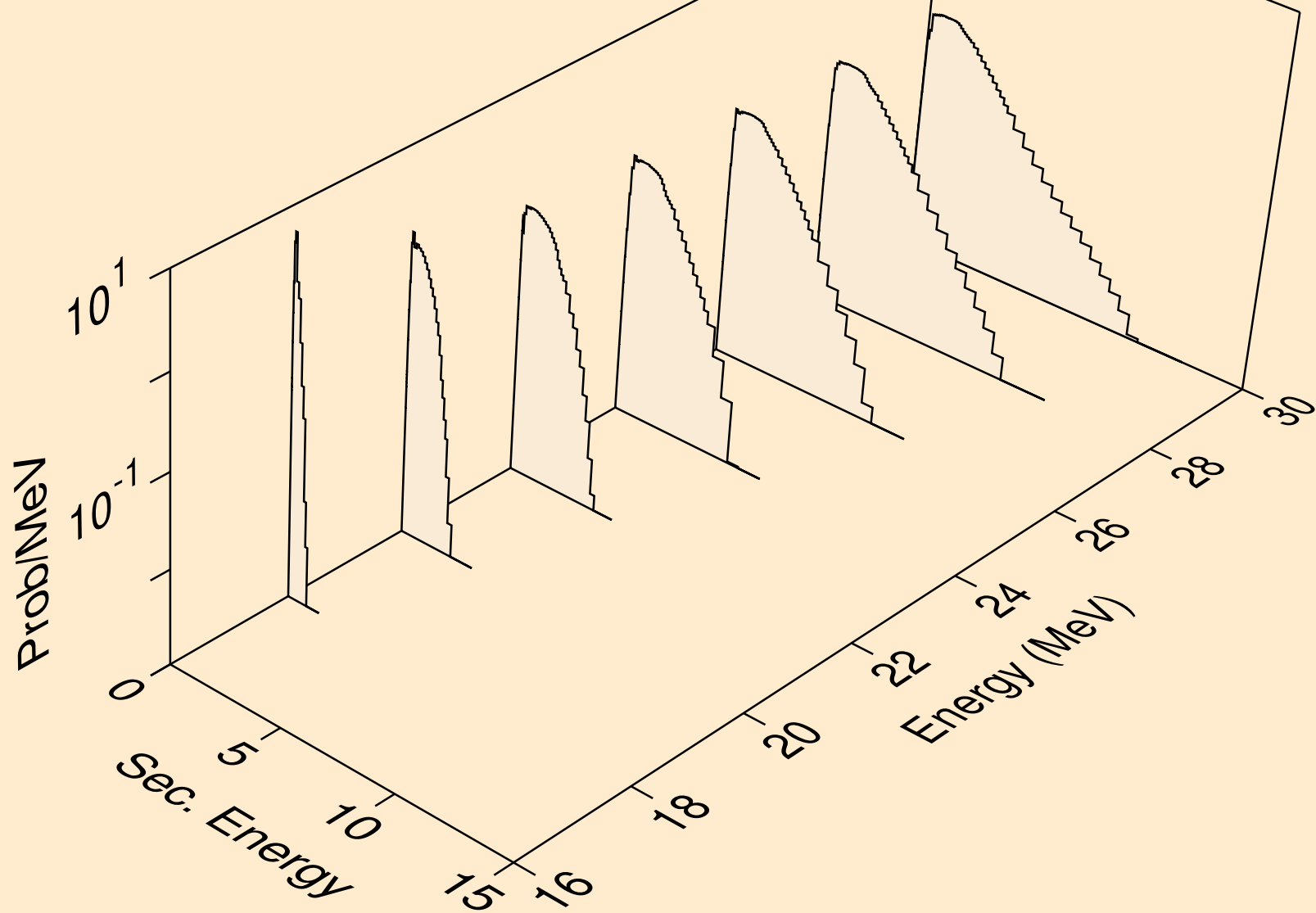
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*)p



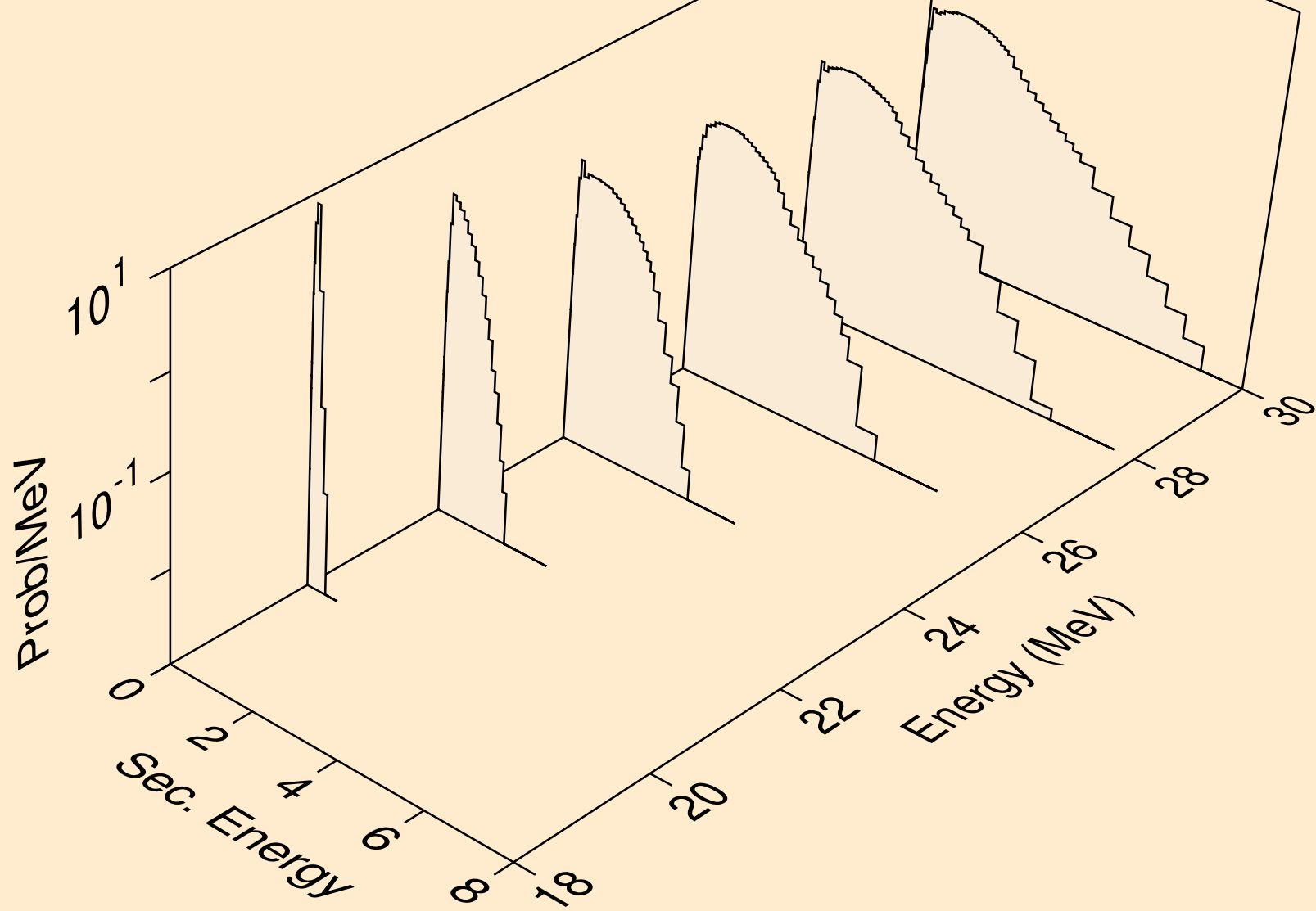
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*)2a



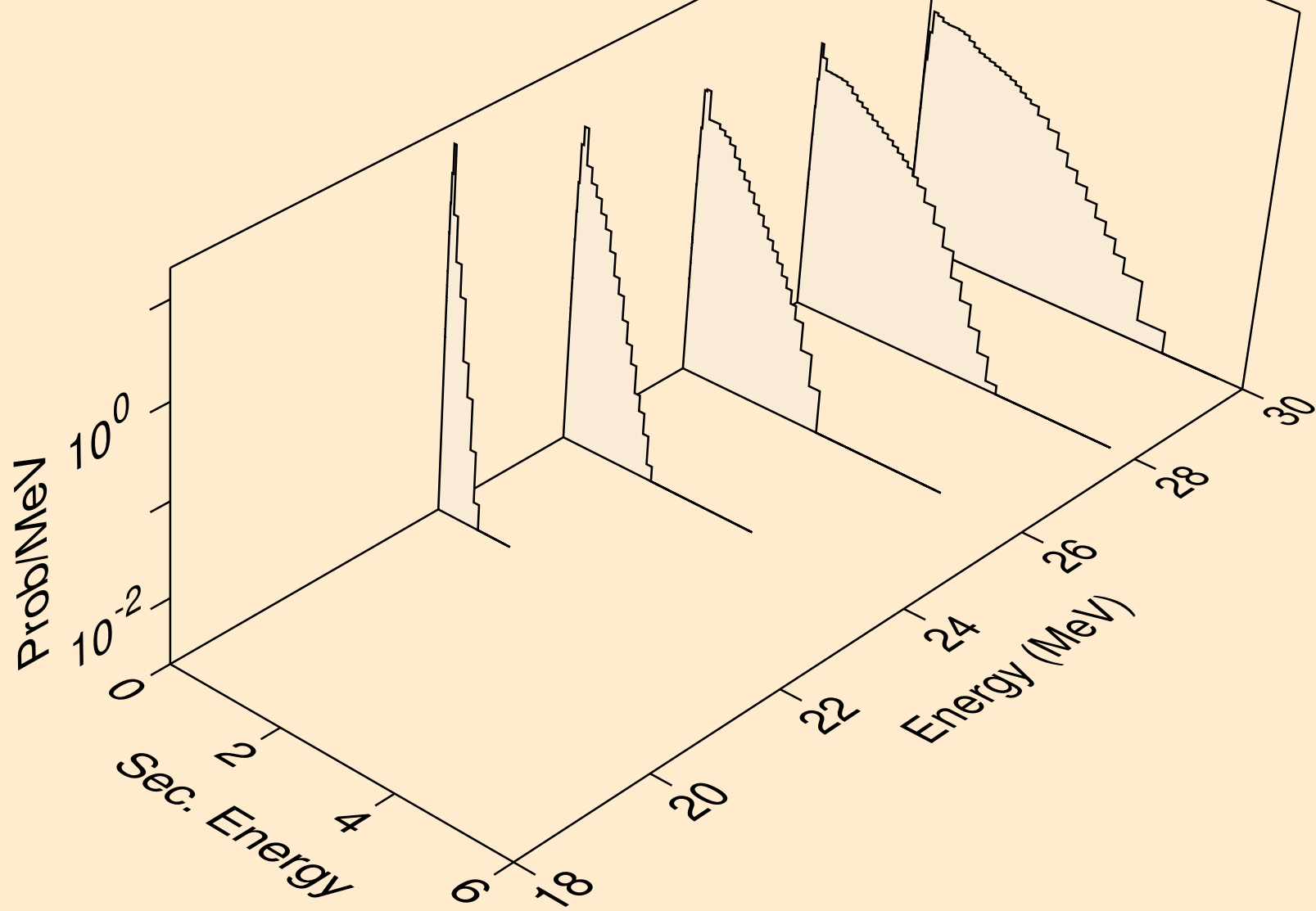
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*)d



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*)t

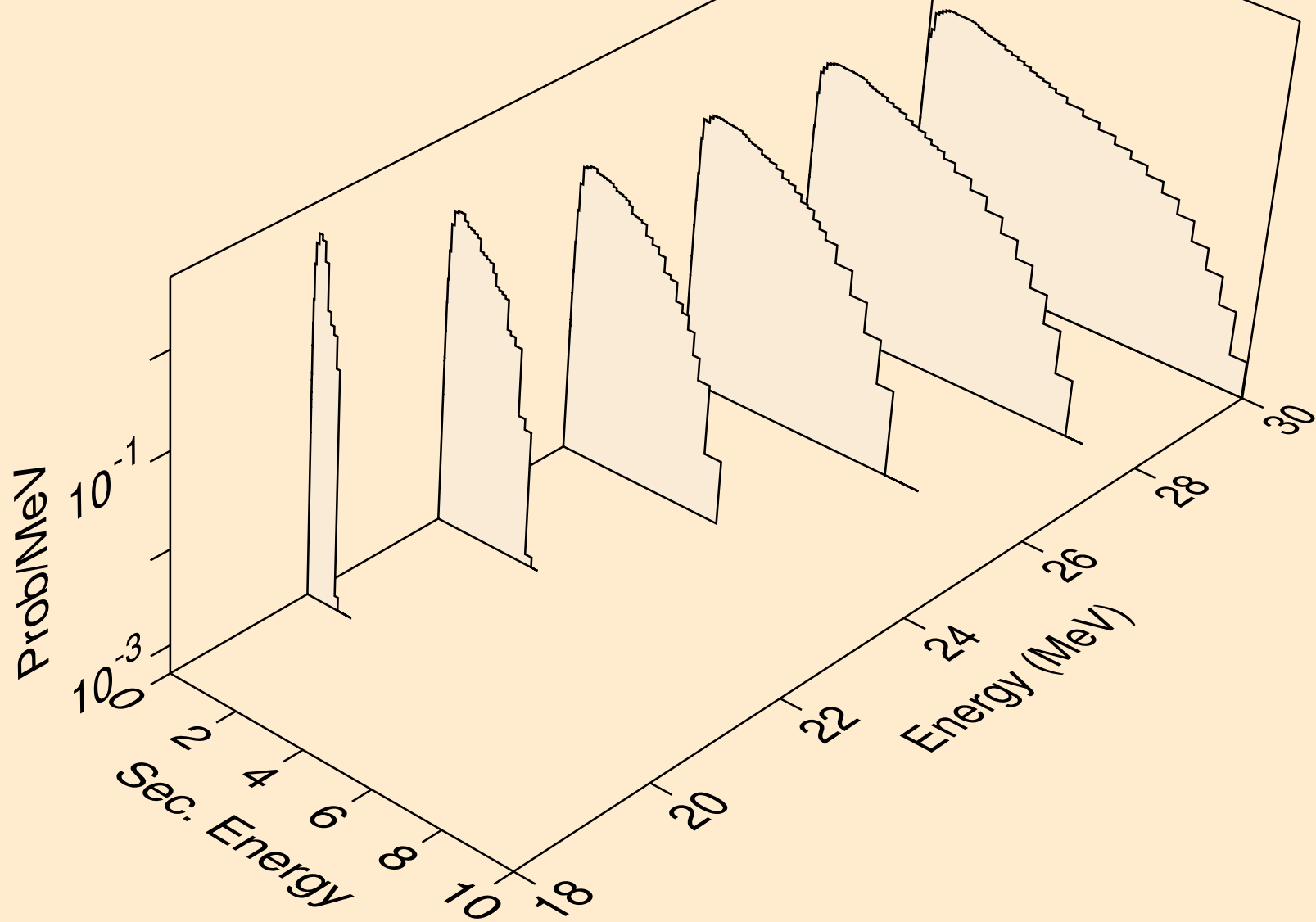


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*)he3

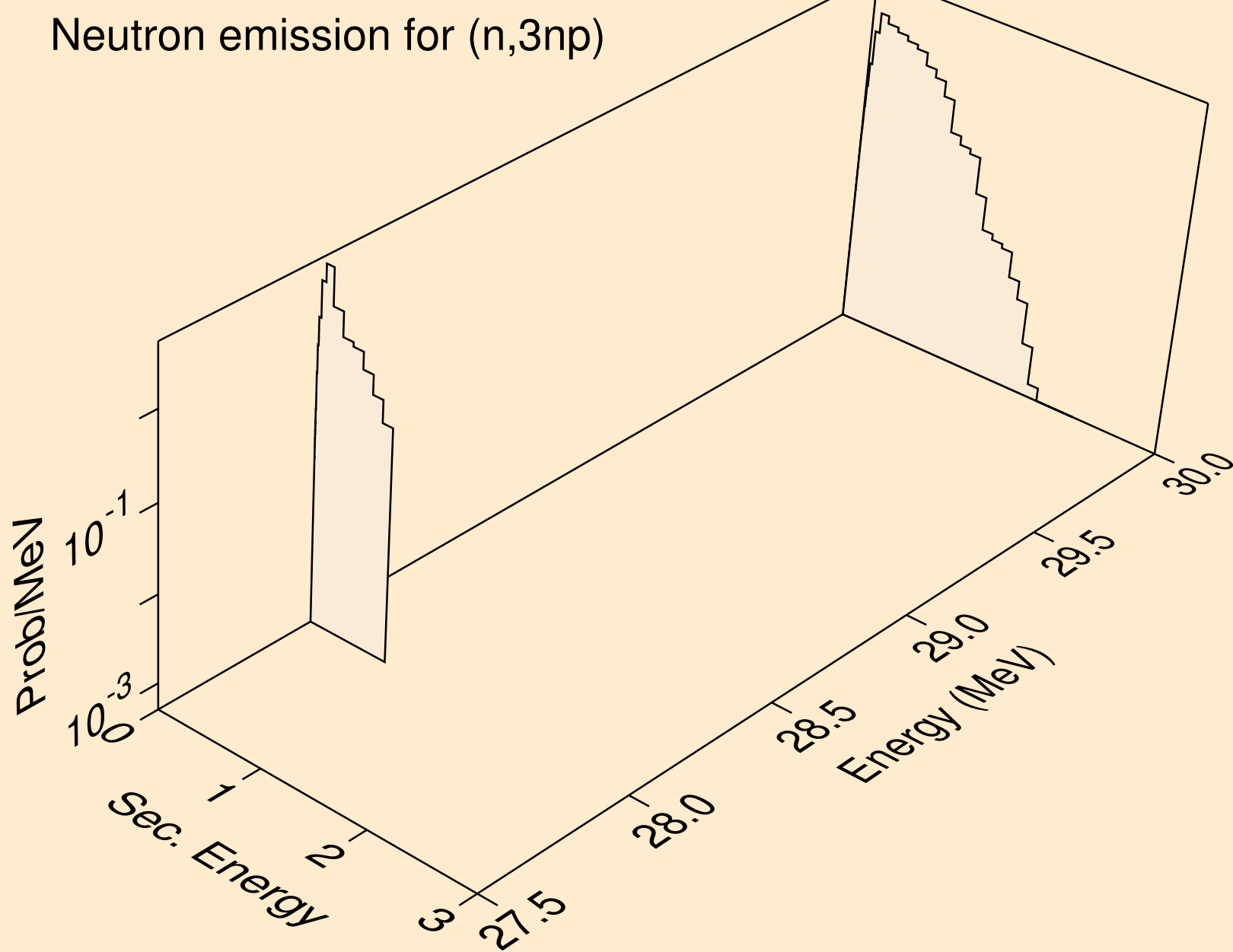




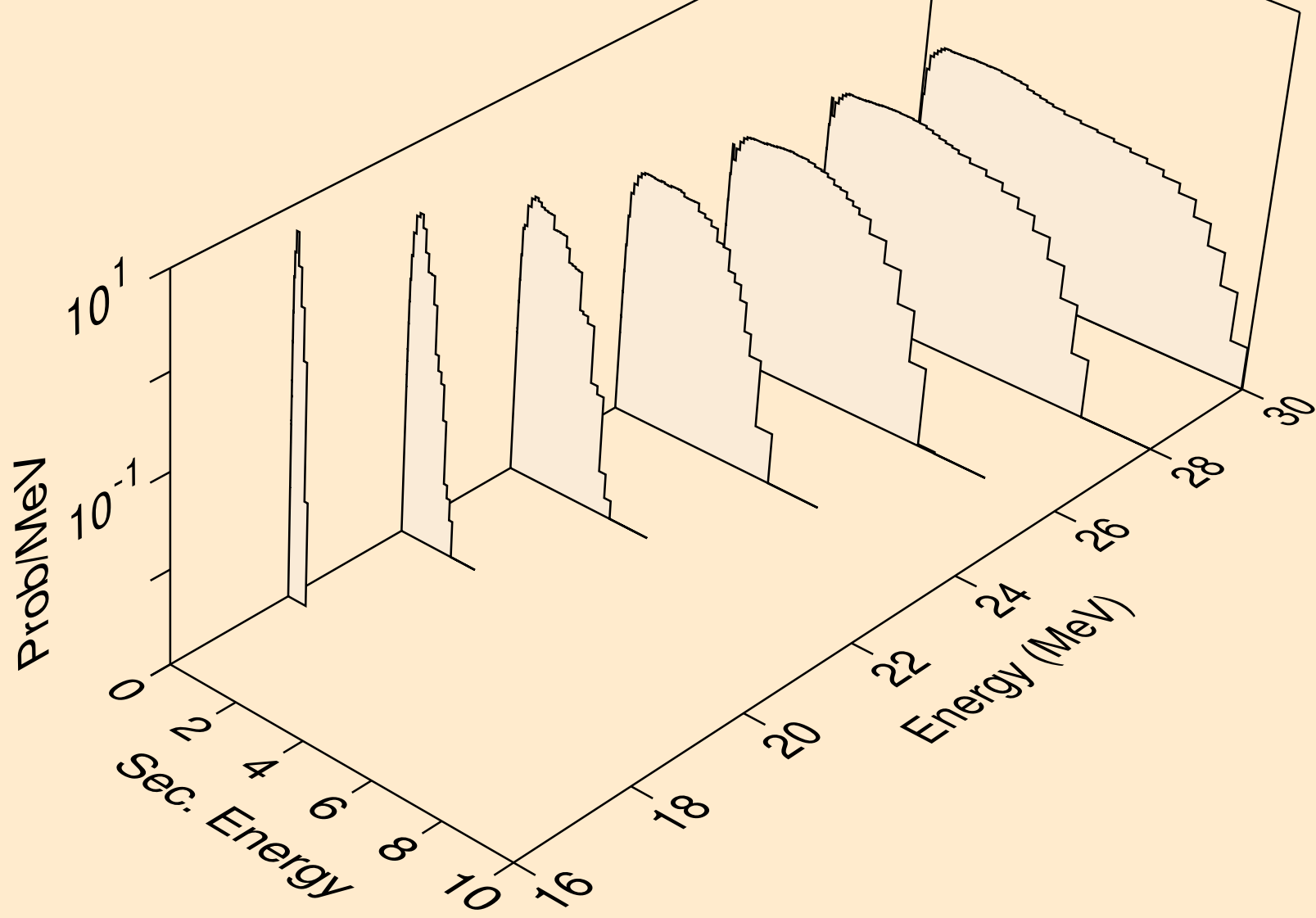
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,2np)



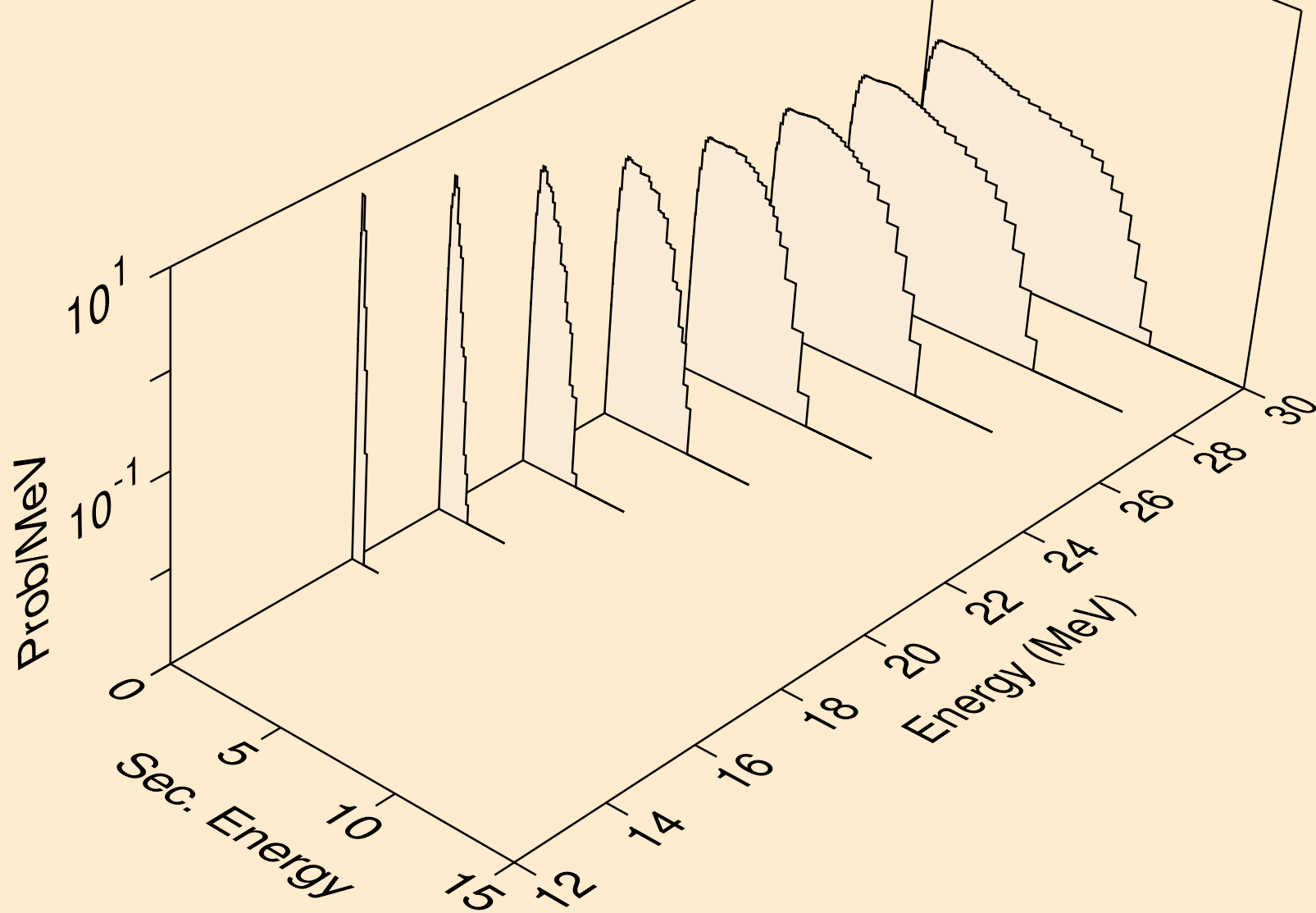
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,3np)



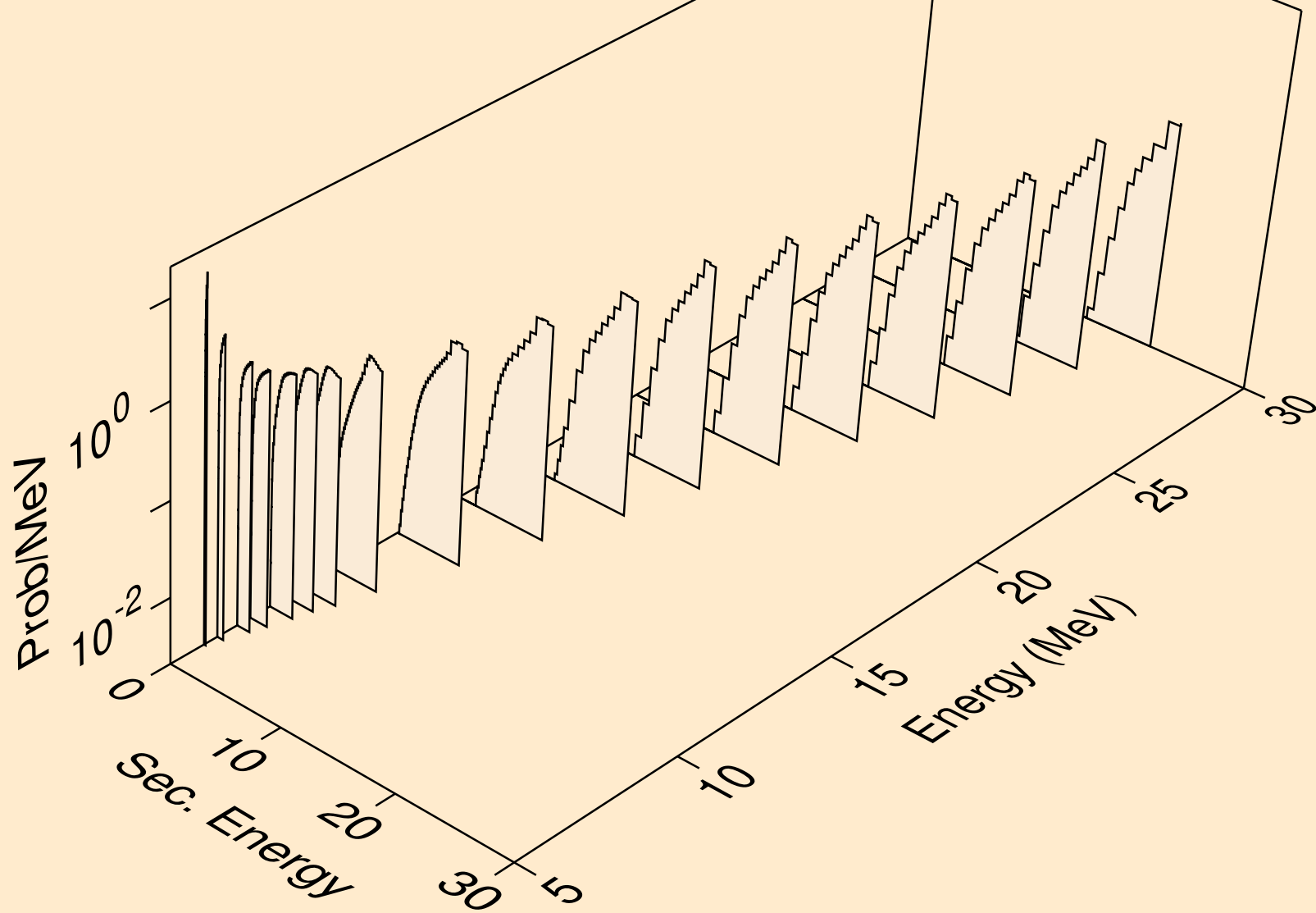
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,2np)



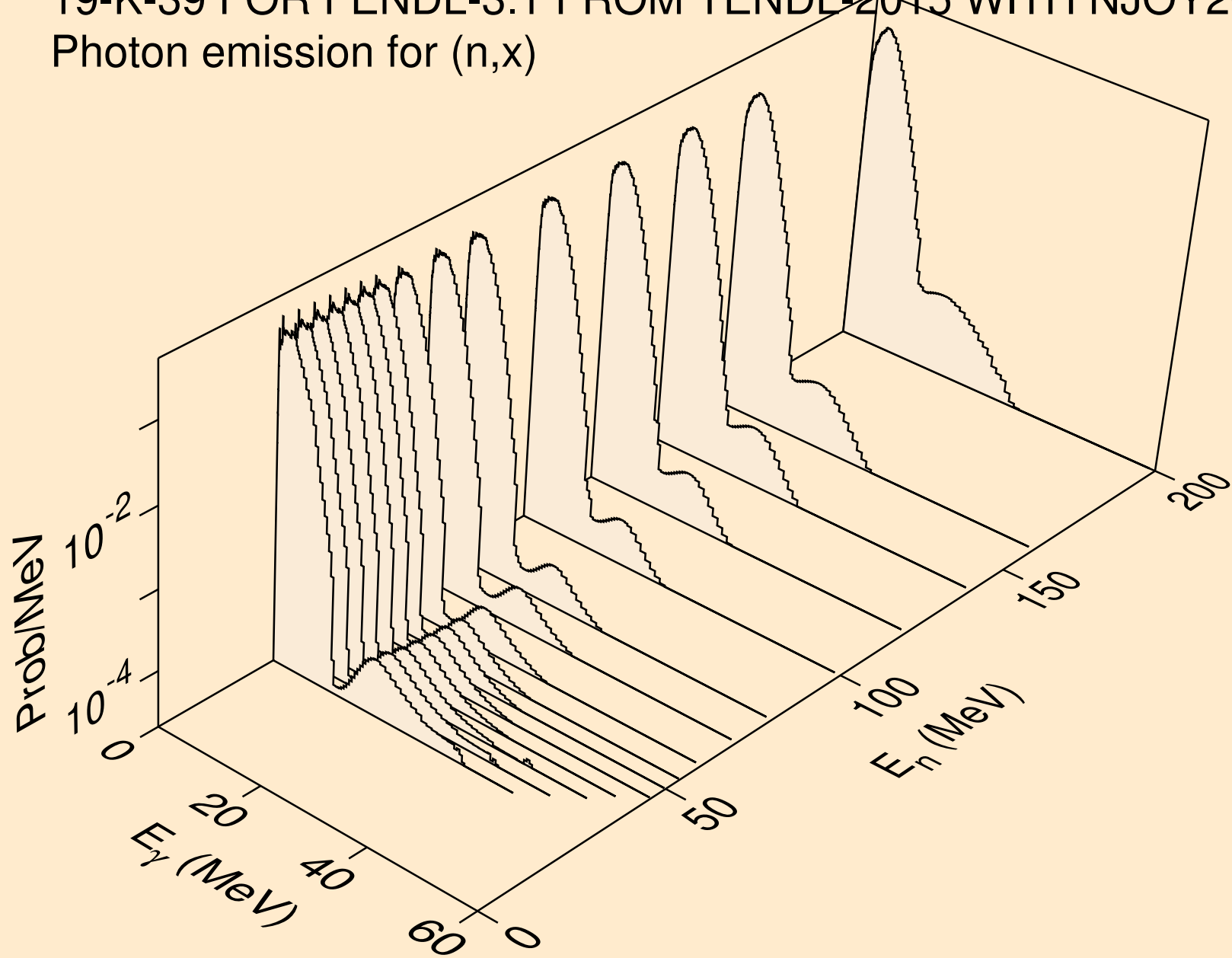
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,npa)



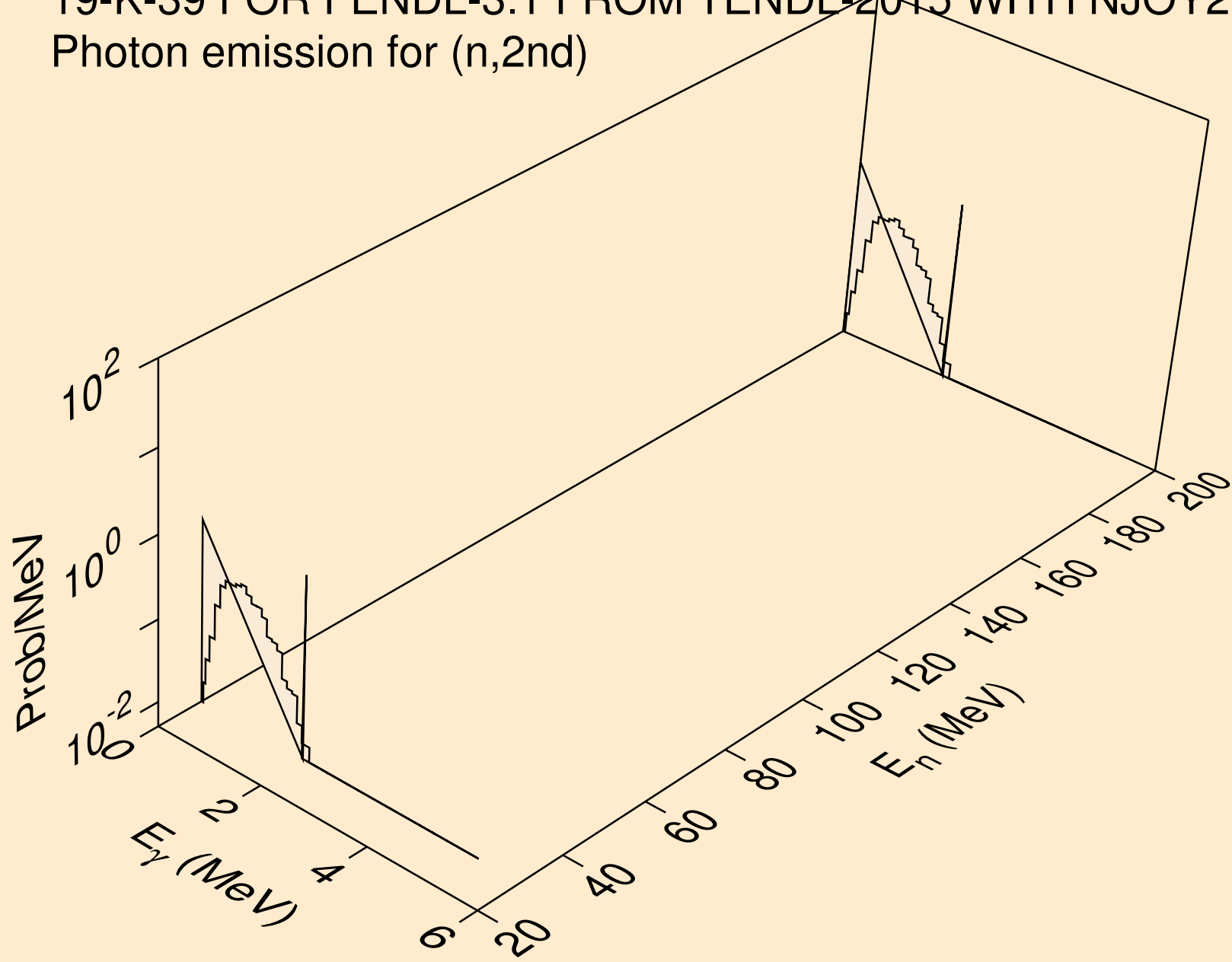
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Neutron emission for (n,n\*c)



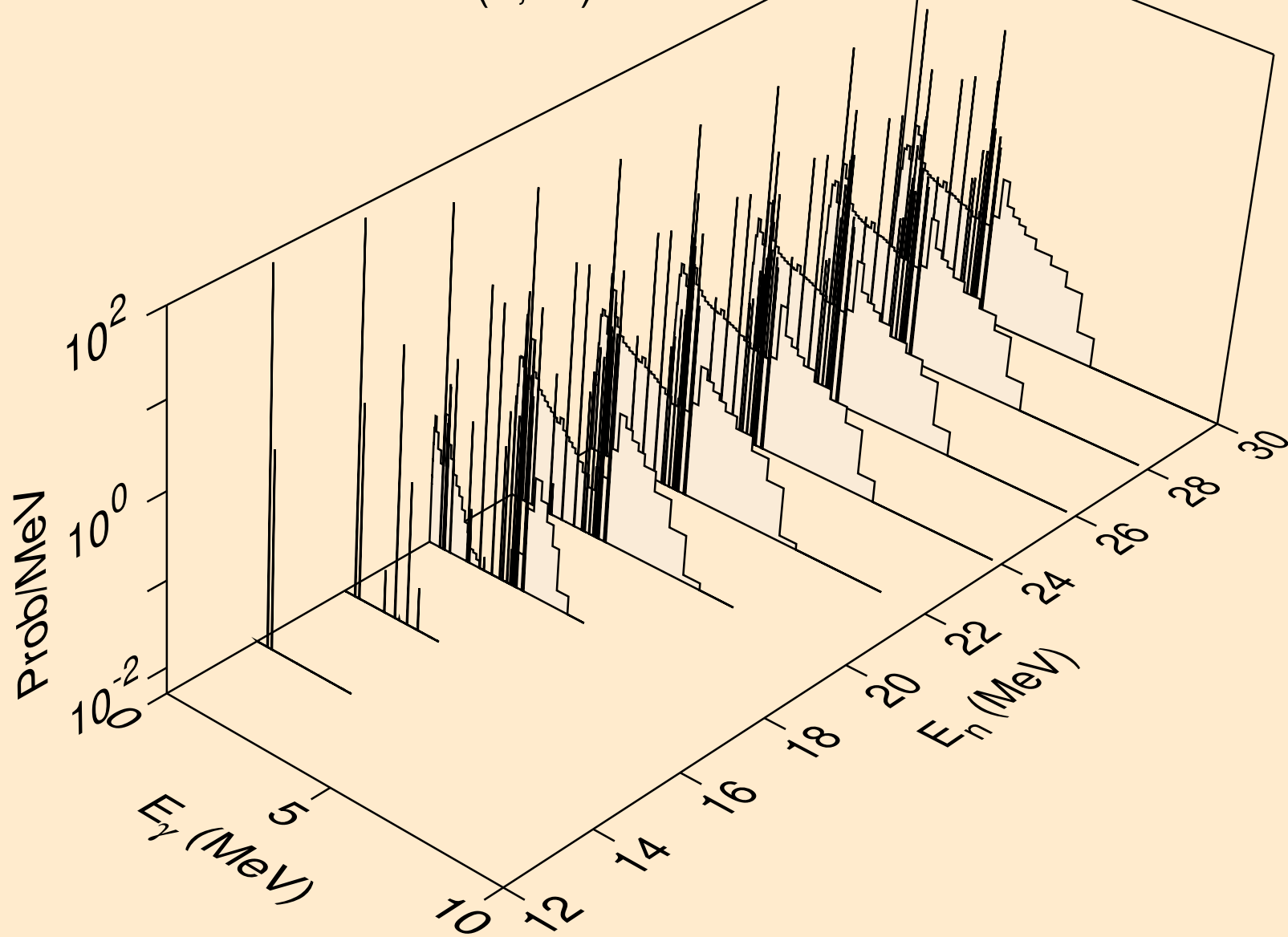
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,x)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2nd)

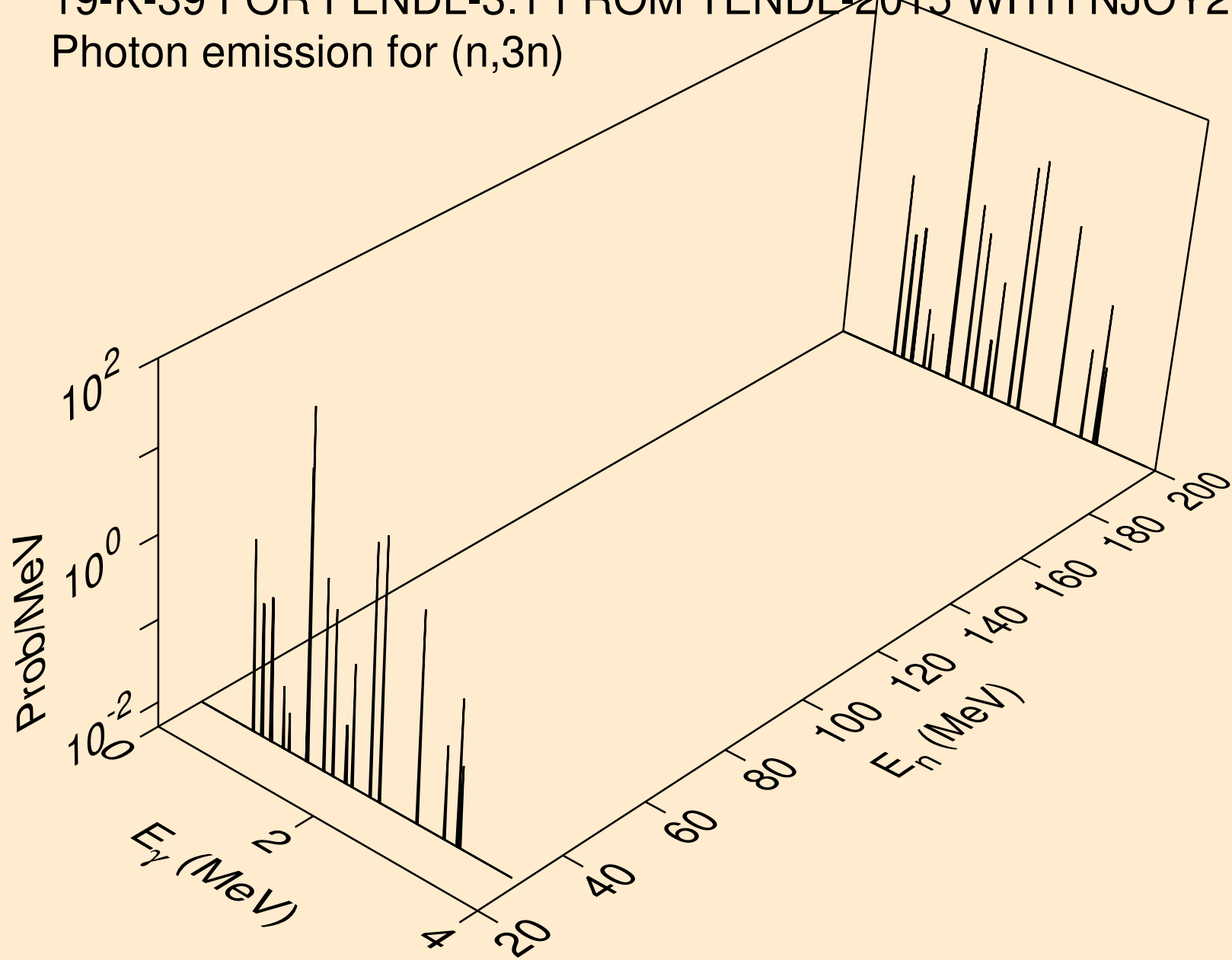


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2n)

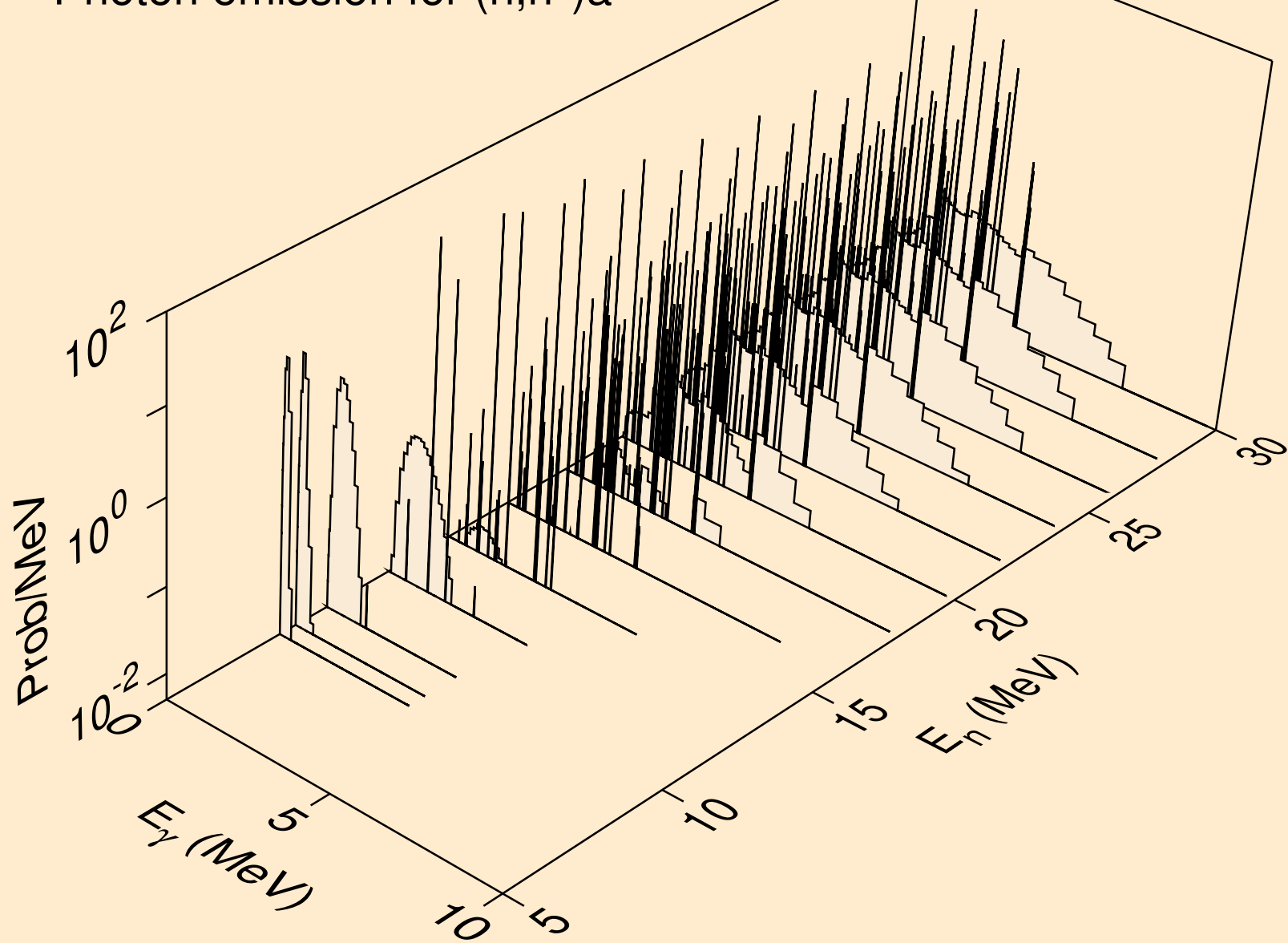




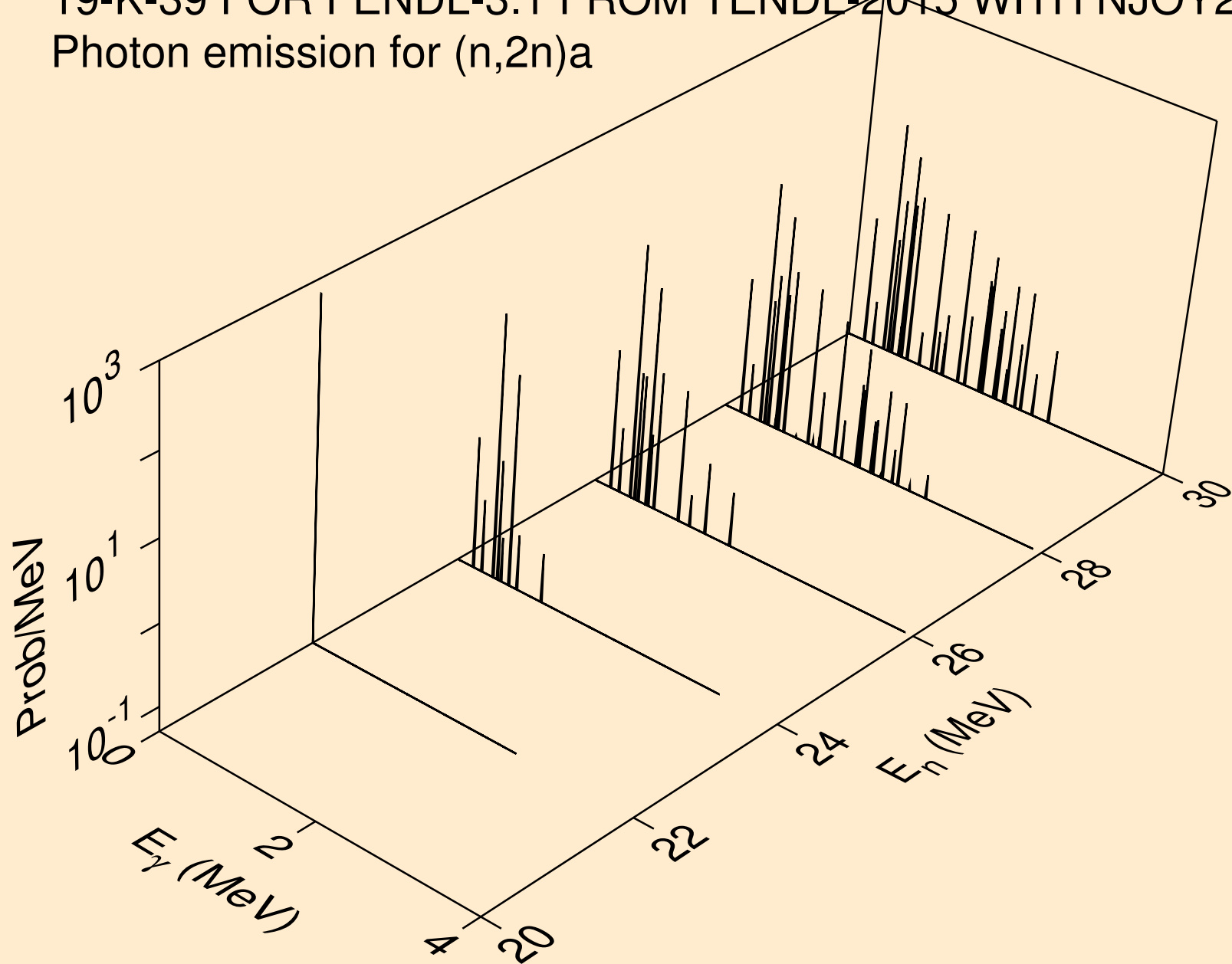
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,3n)



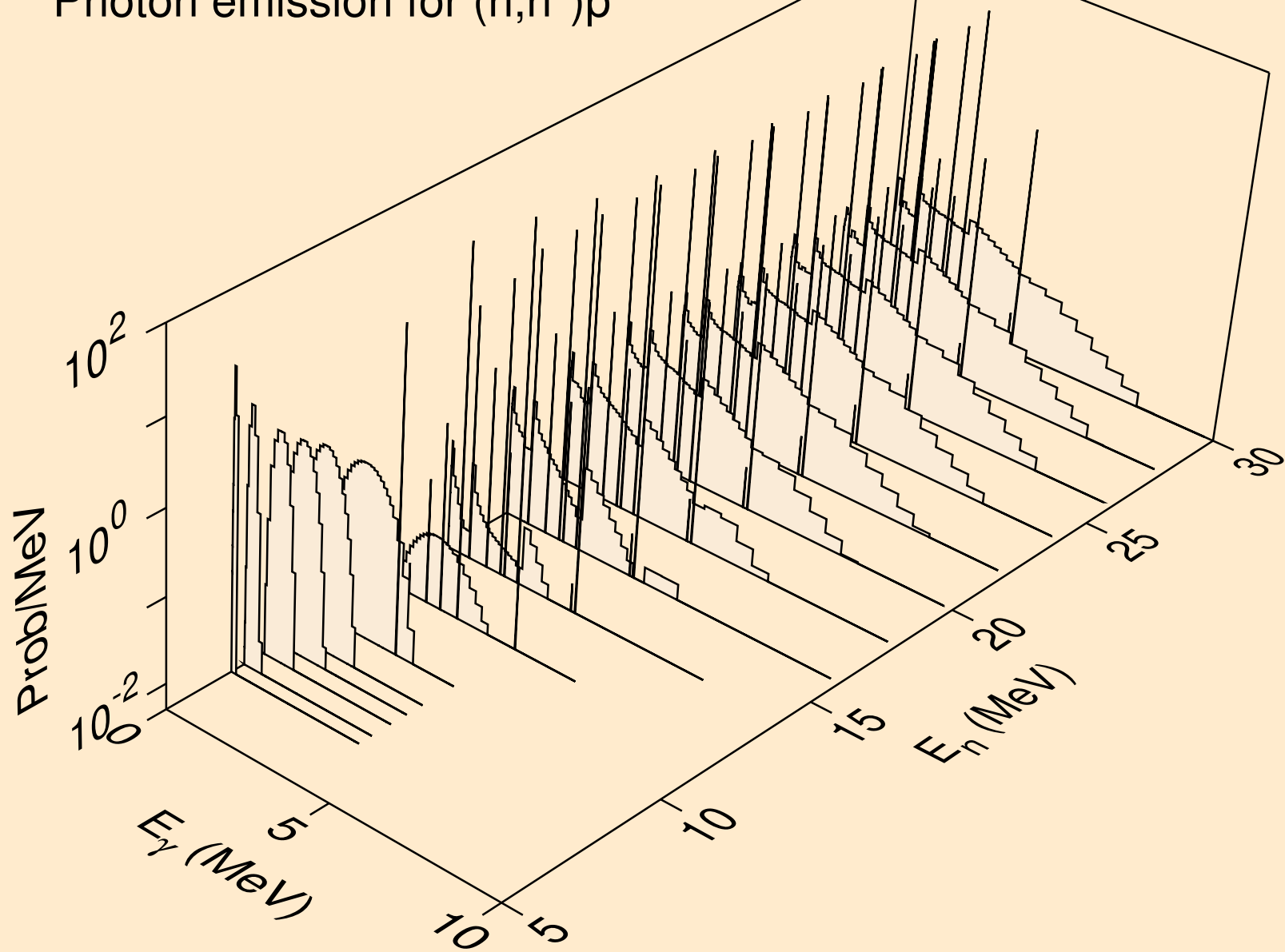
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*)a



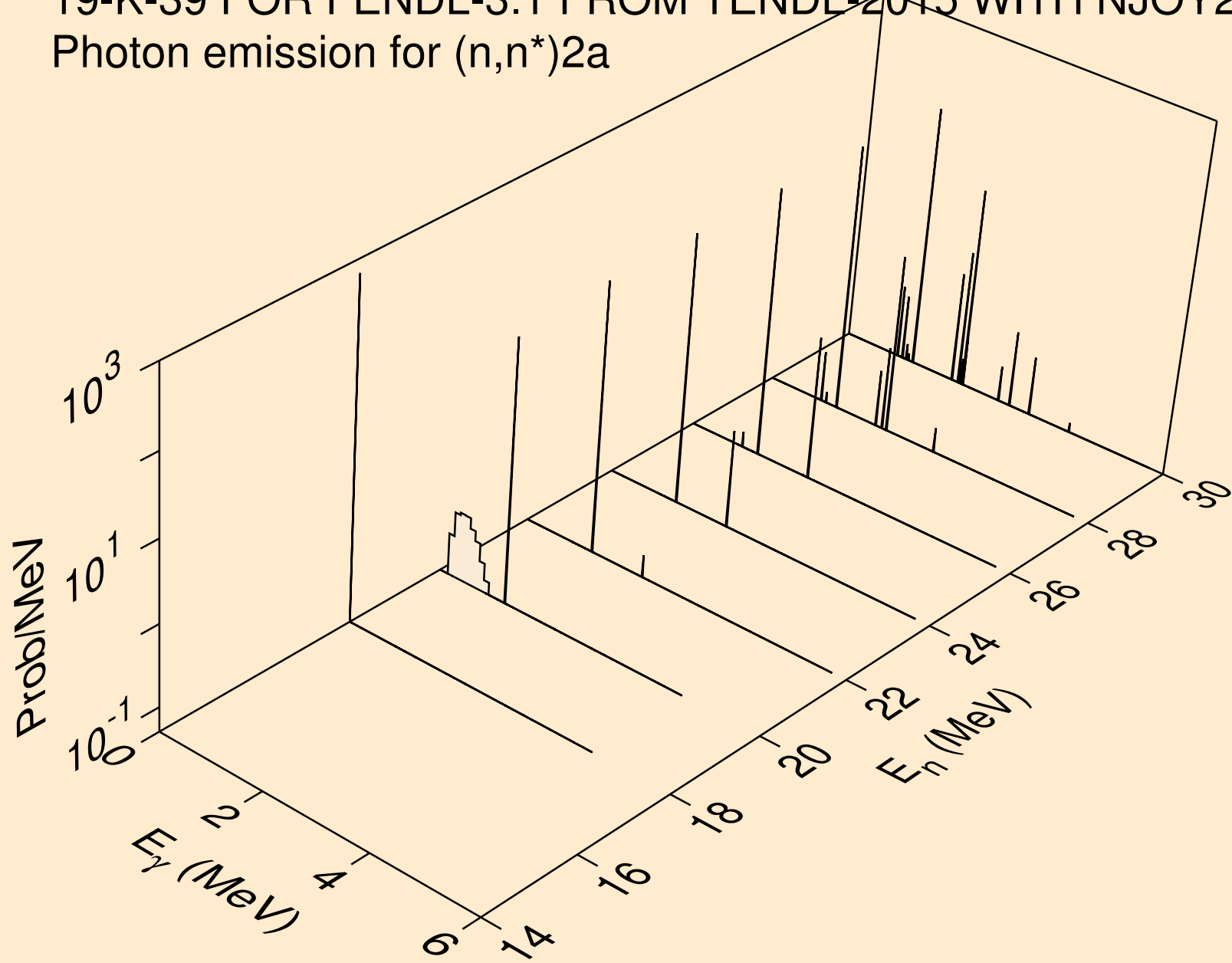
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2n)a



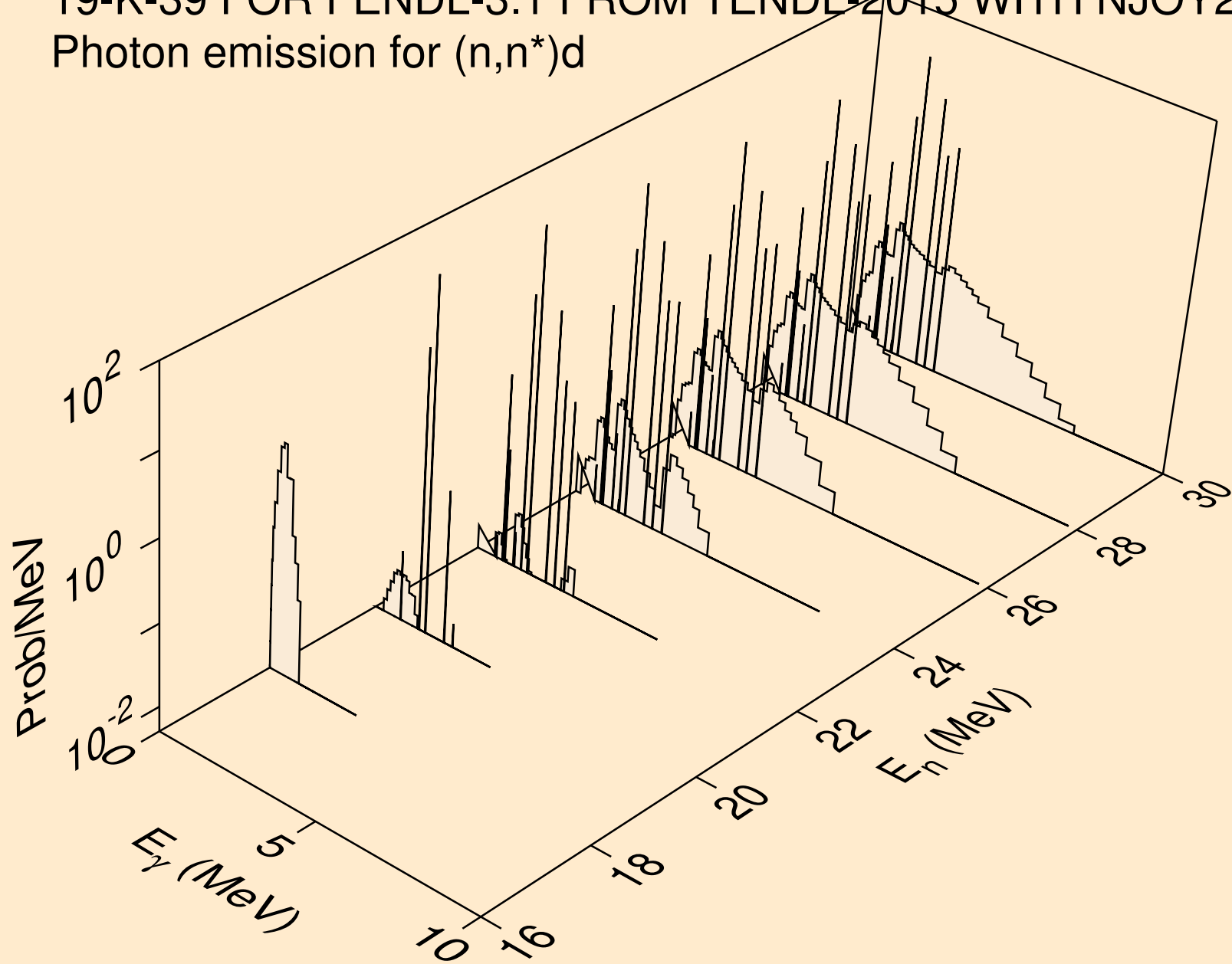
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*)p



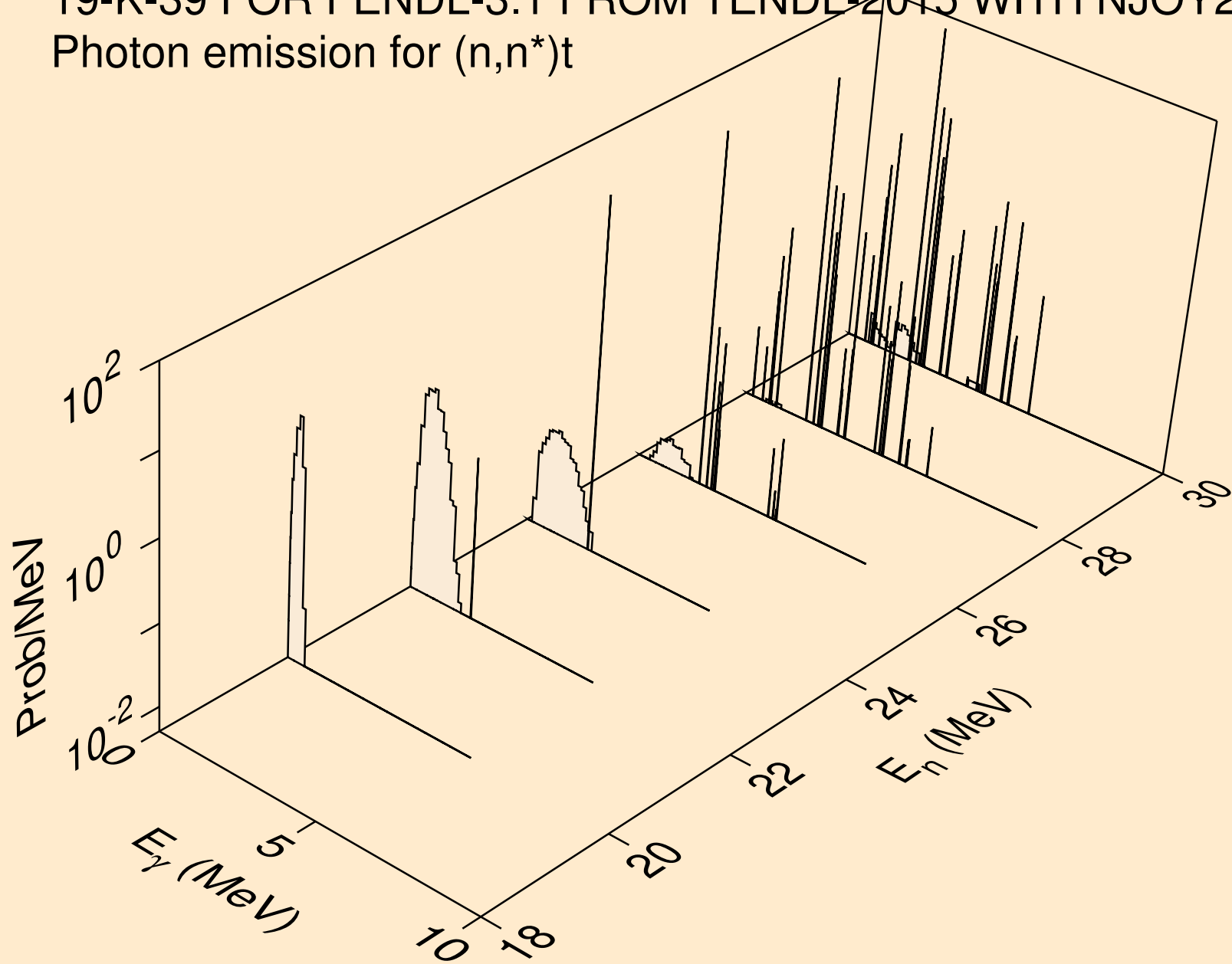
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*)2a



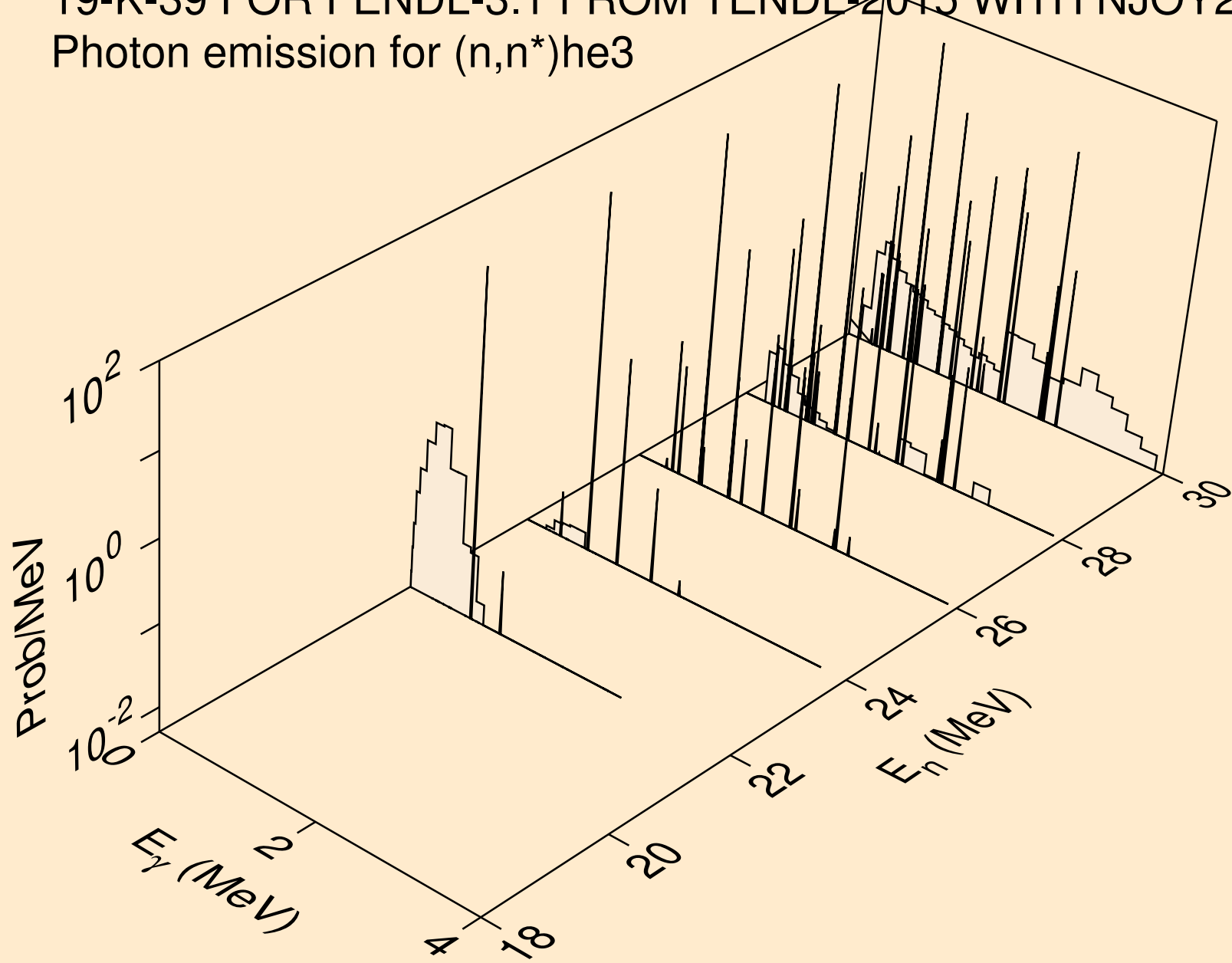
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*)d



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*)t

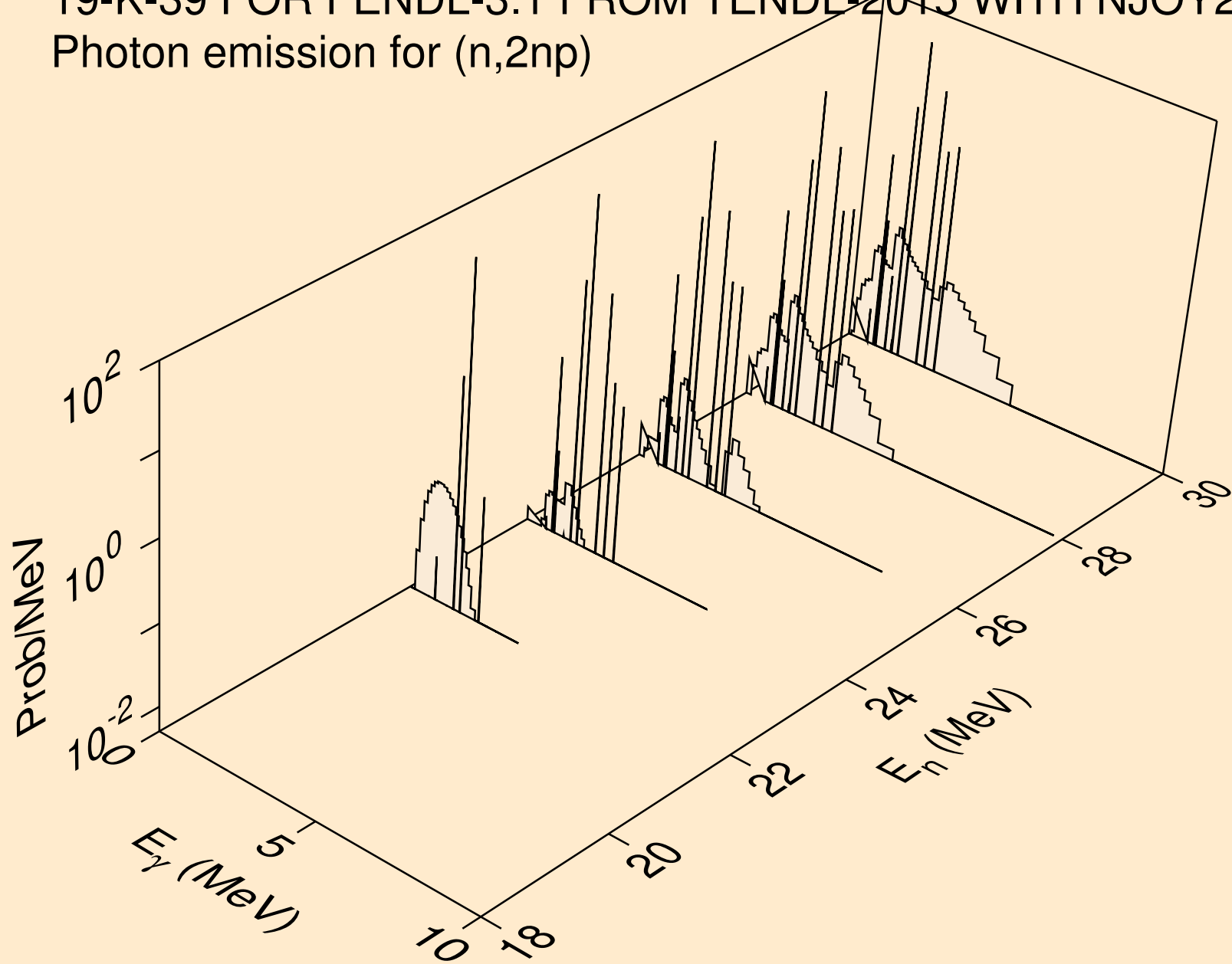


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*)he3

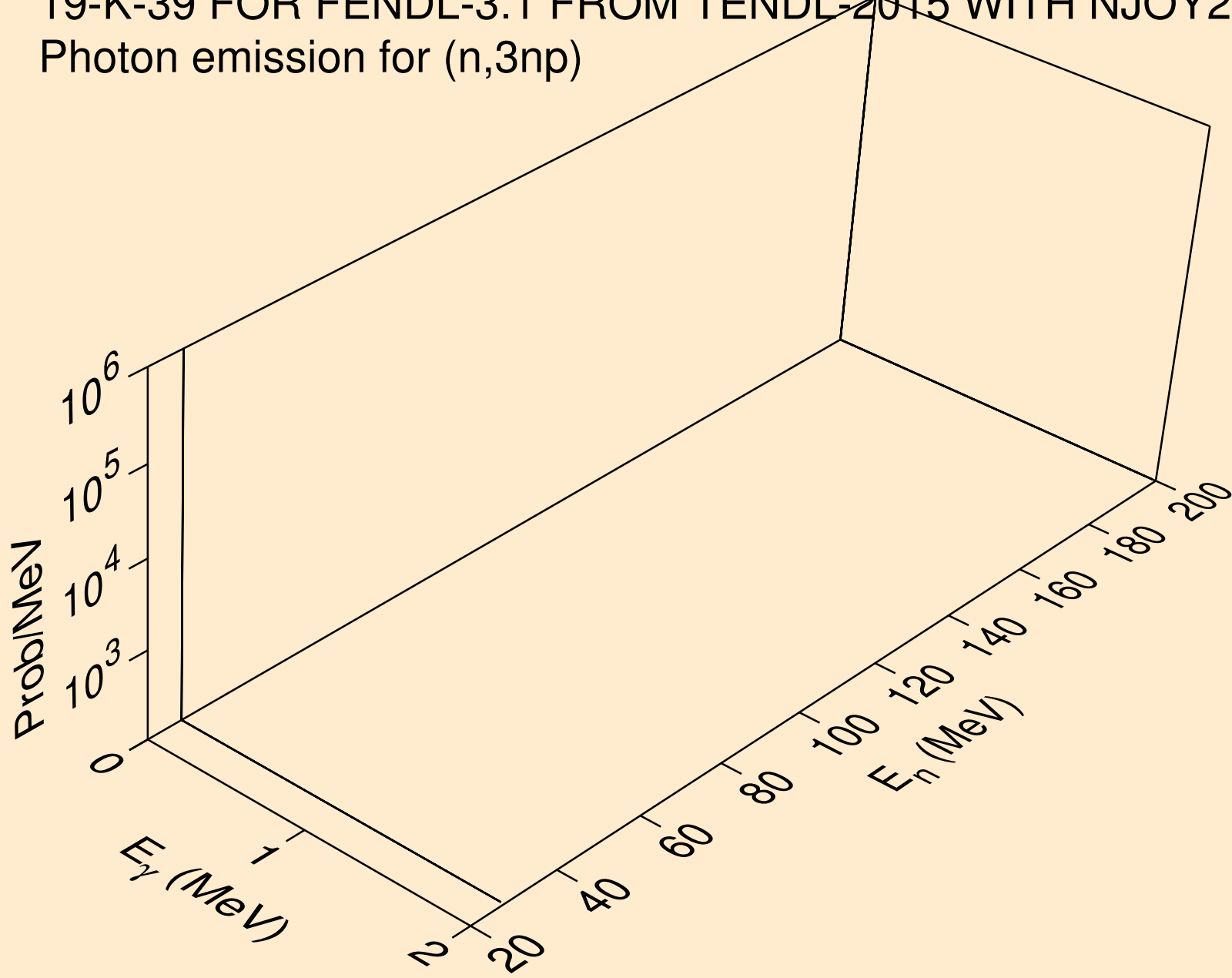




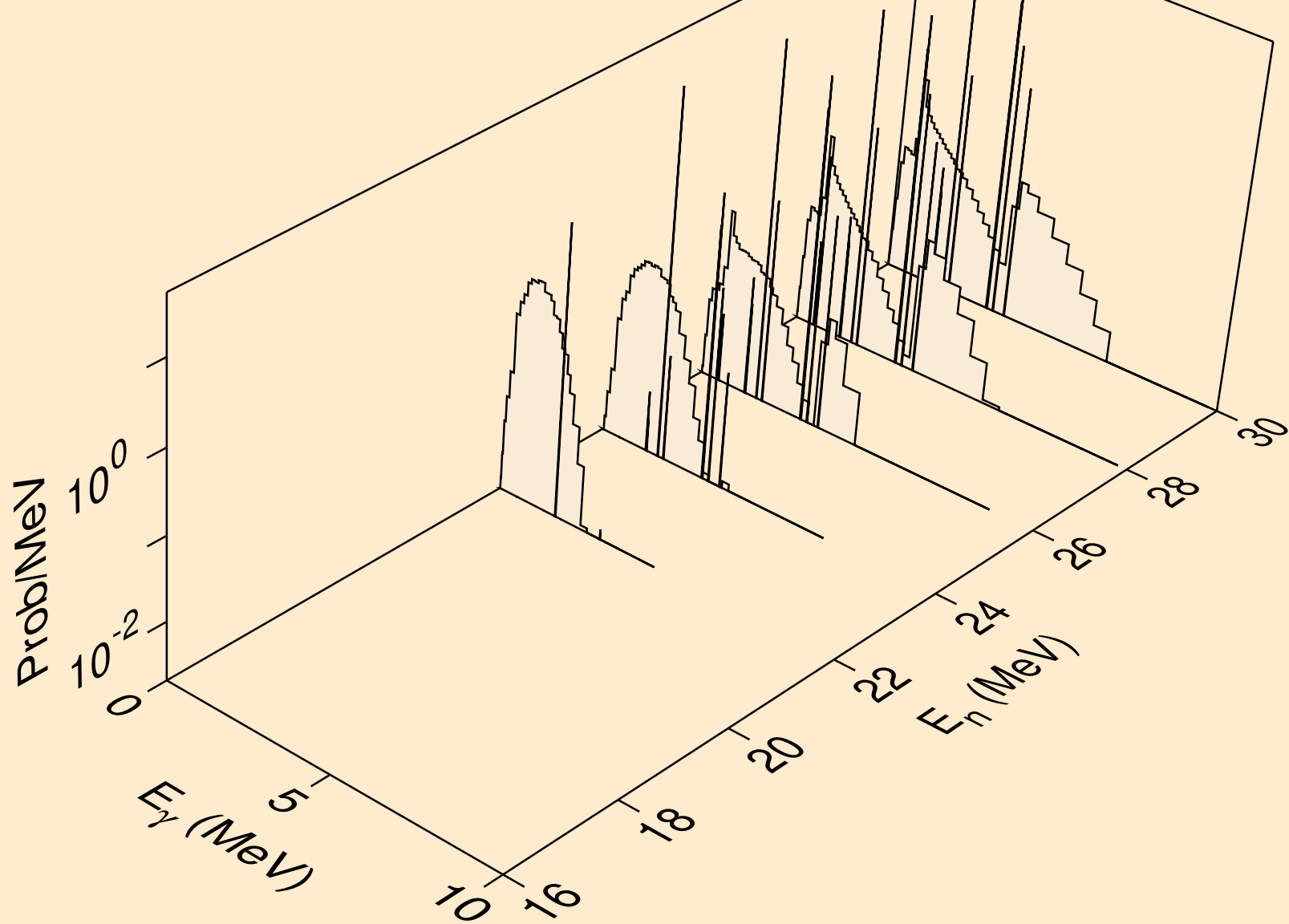
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2np)



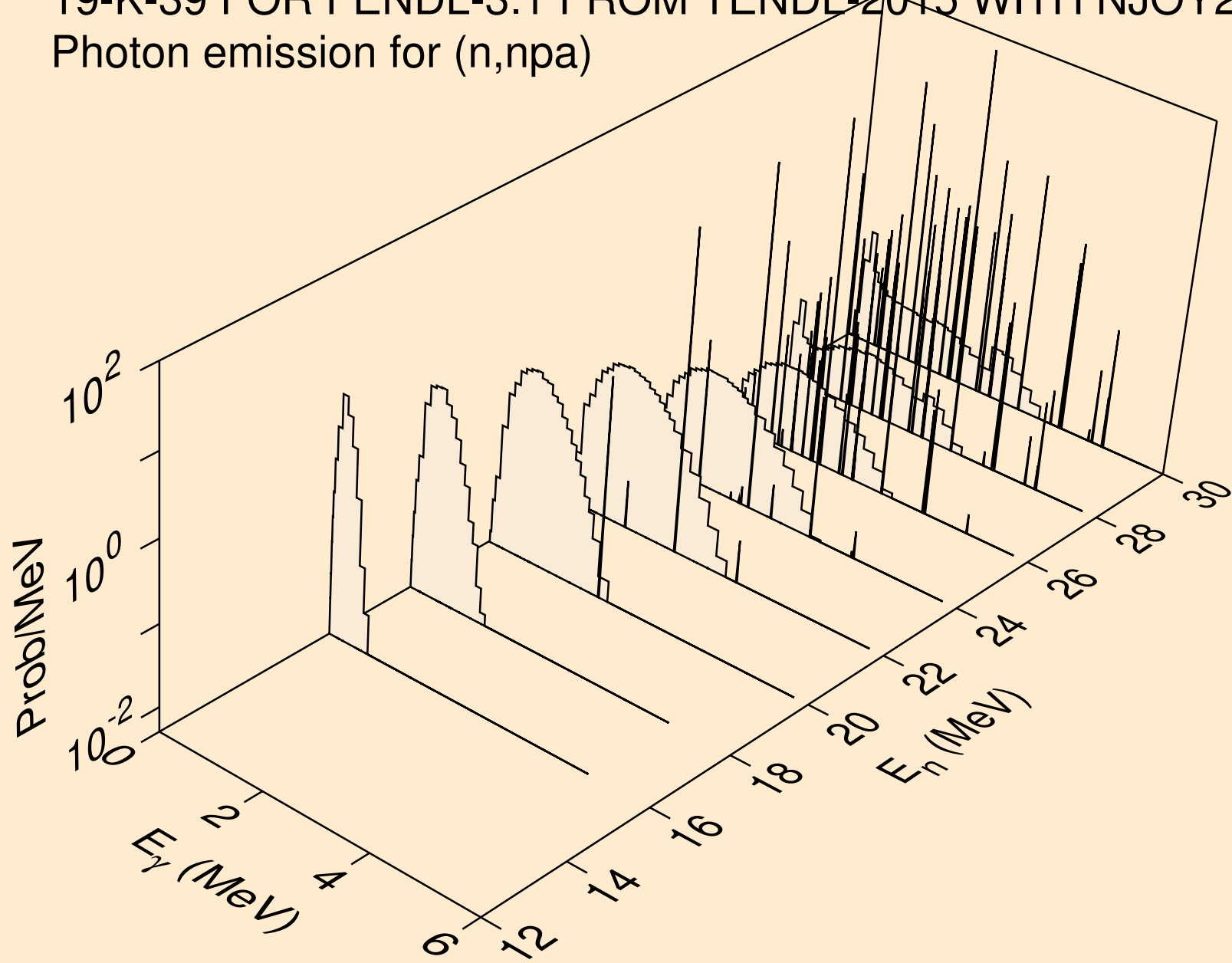
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,3np)



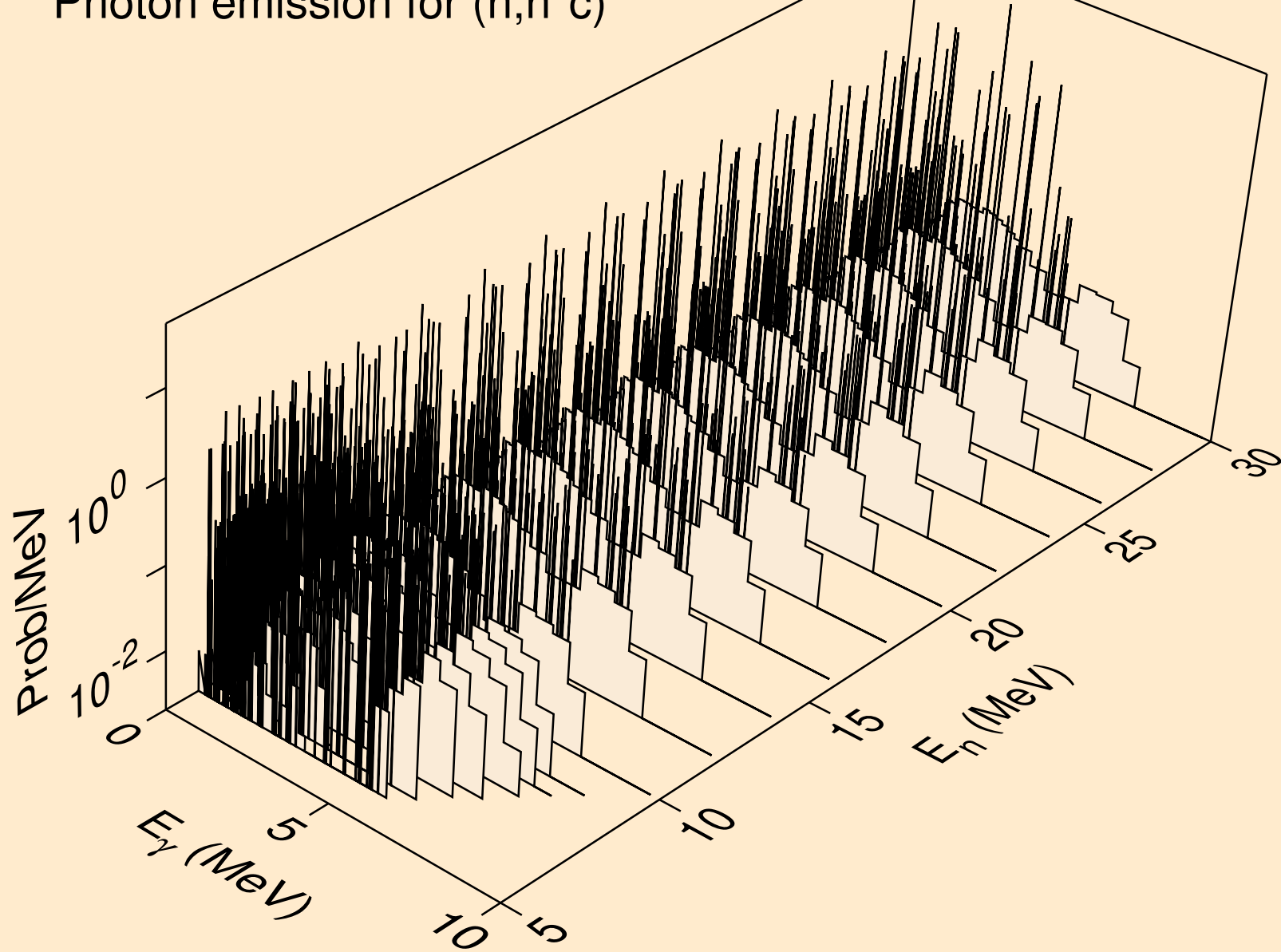
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2np)



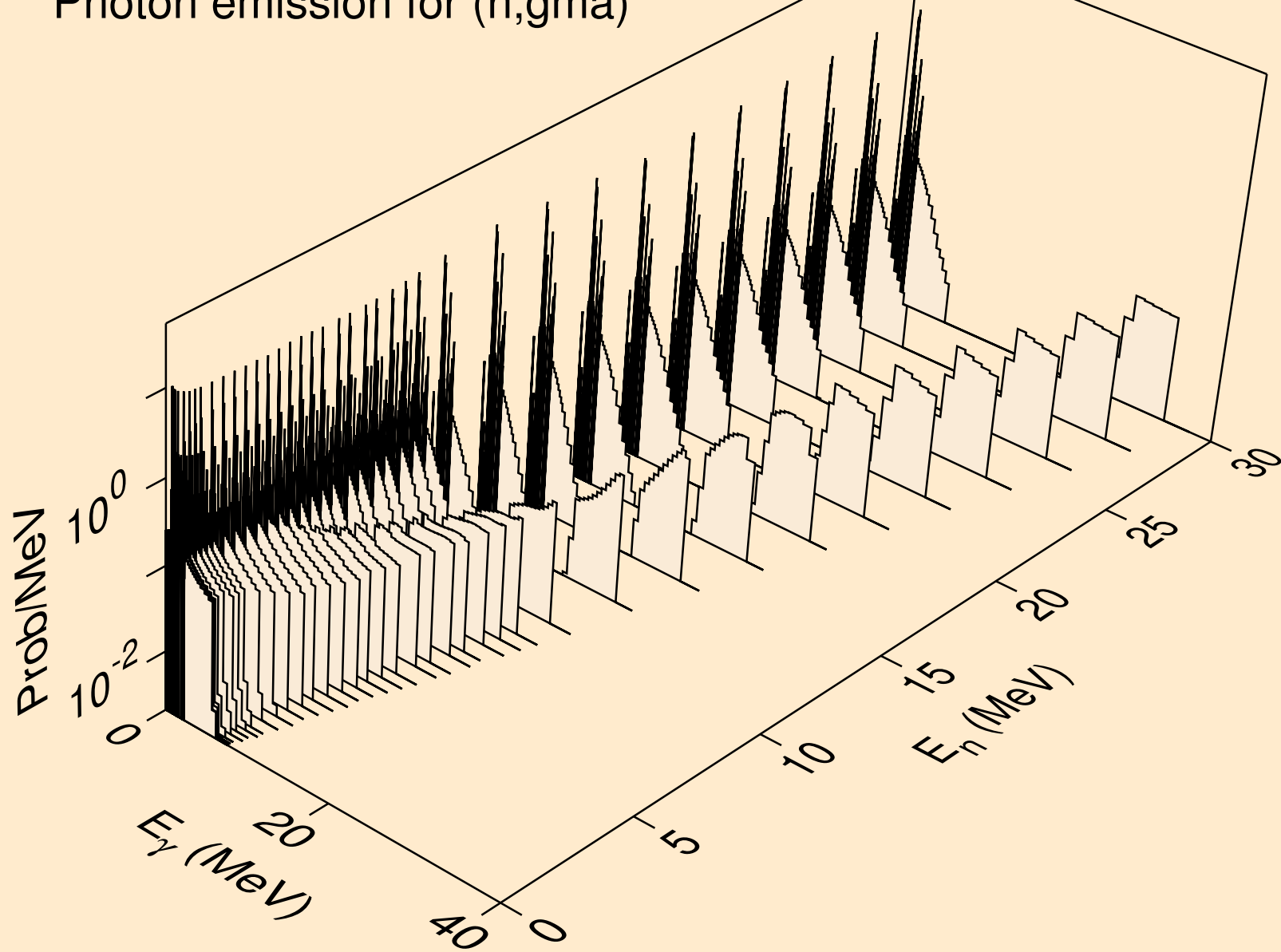
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,npa)



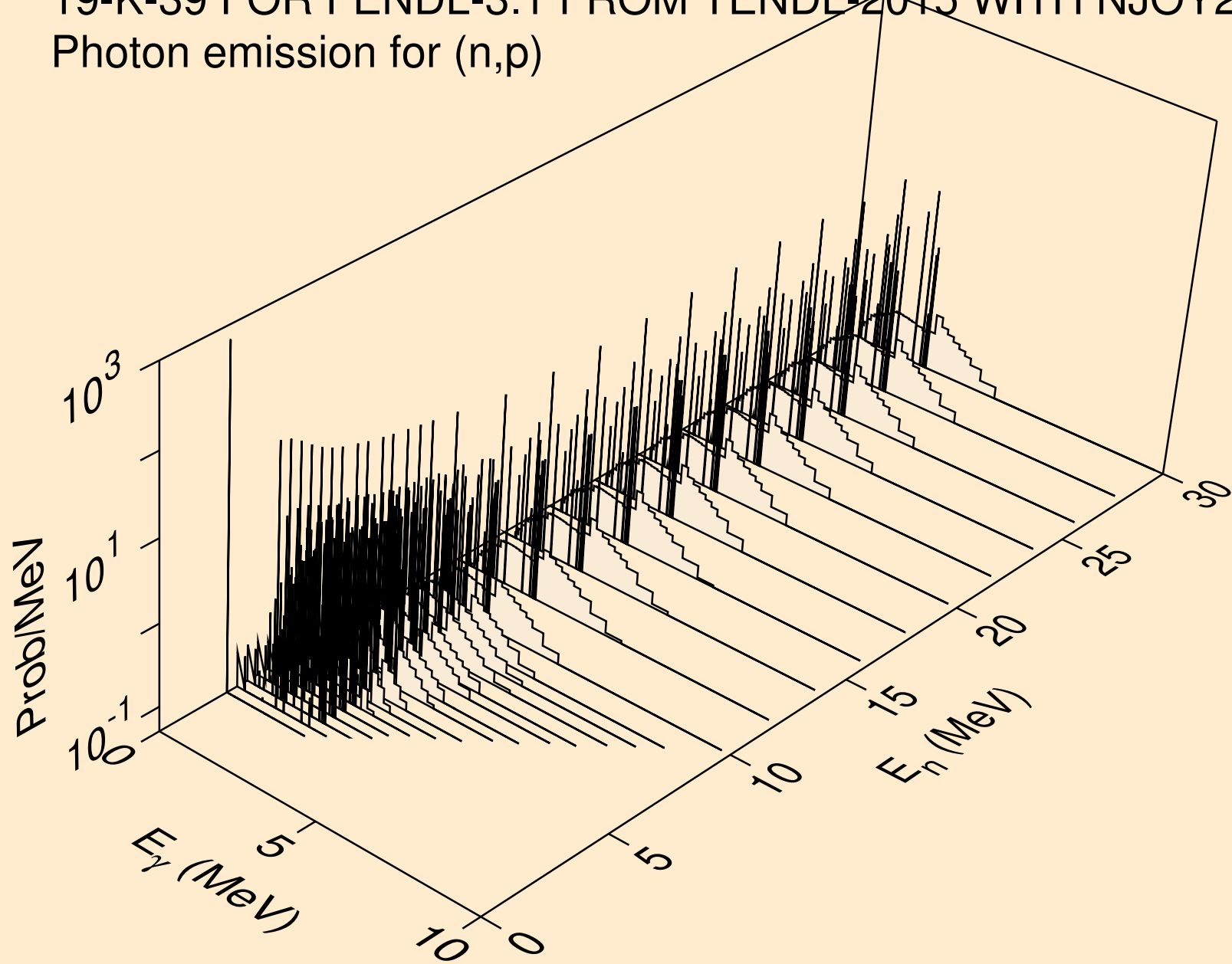
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,n\*c)



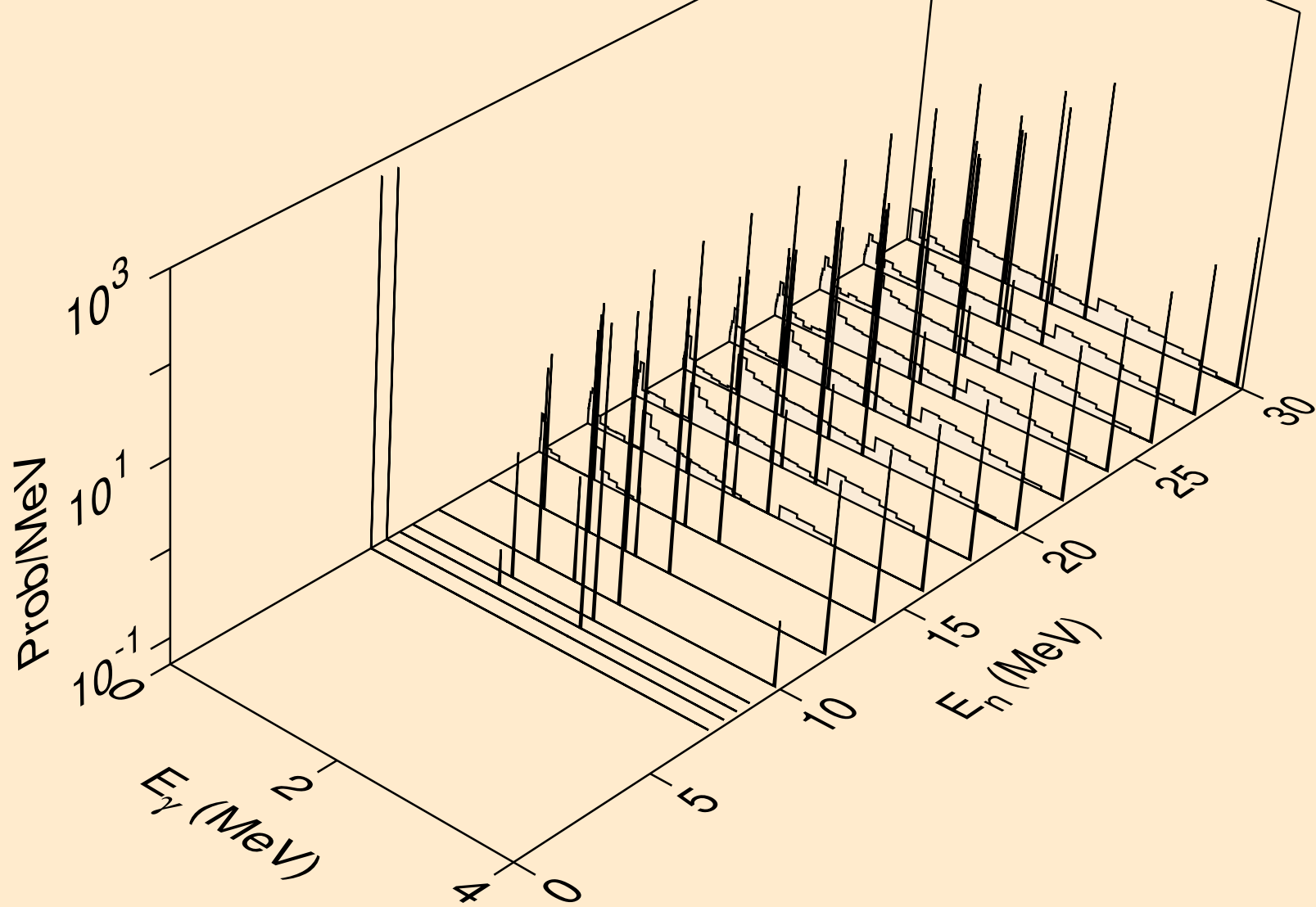
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,gma)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,p)

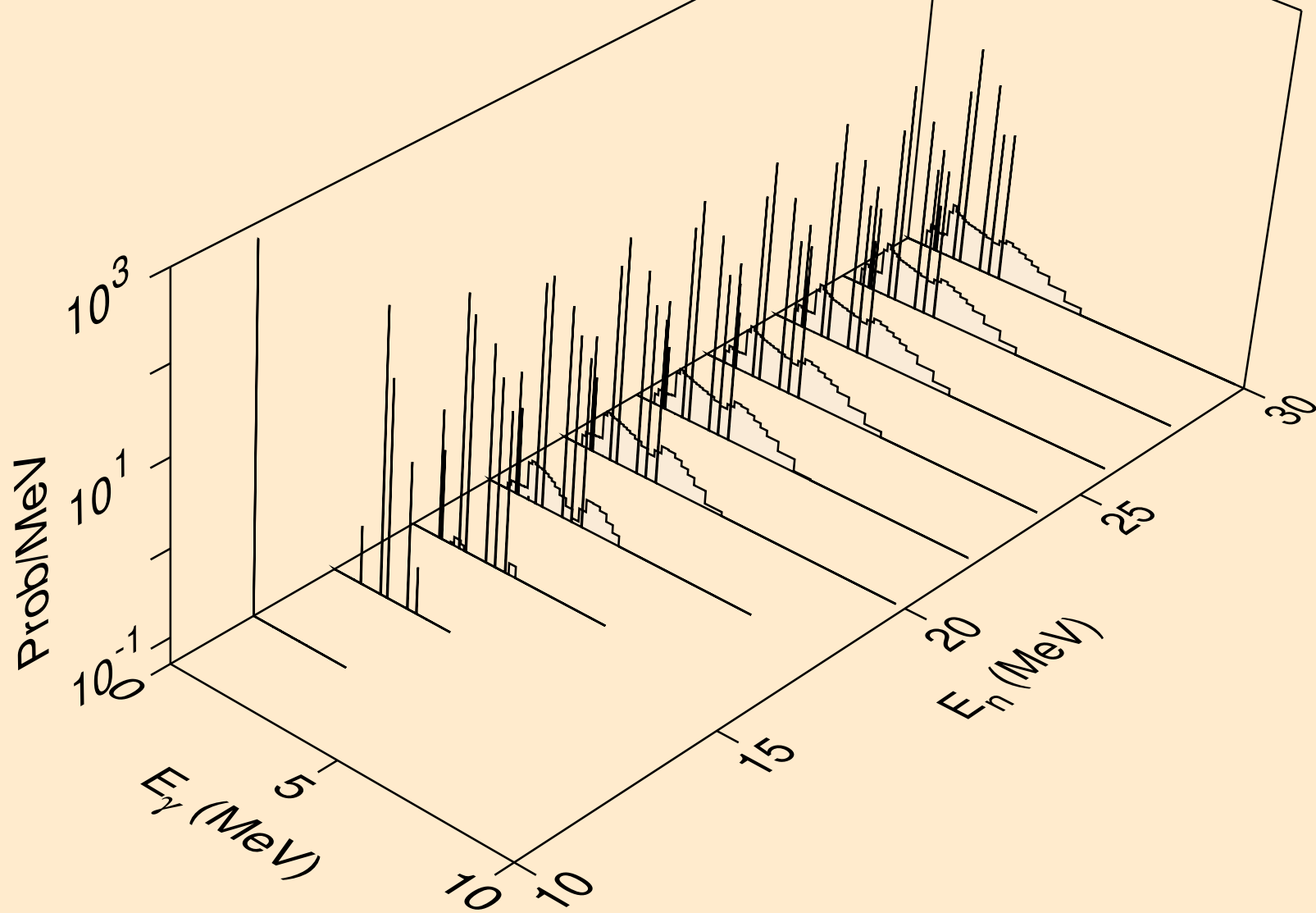


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,d)

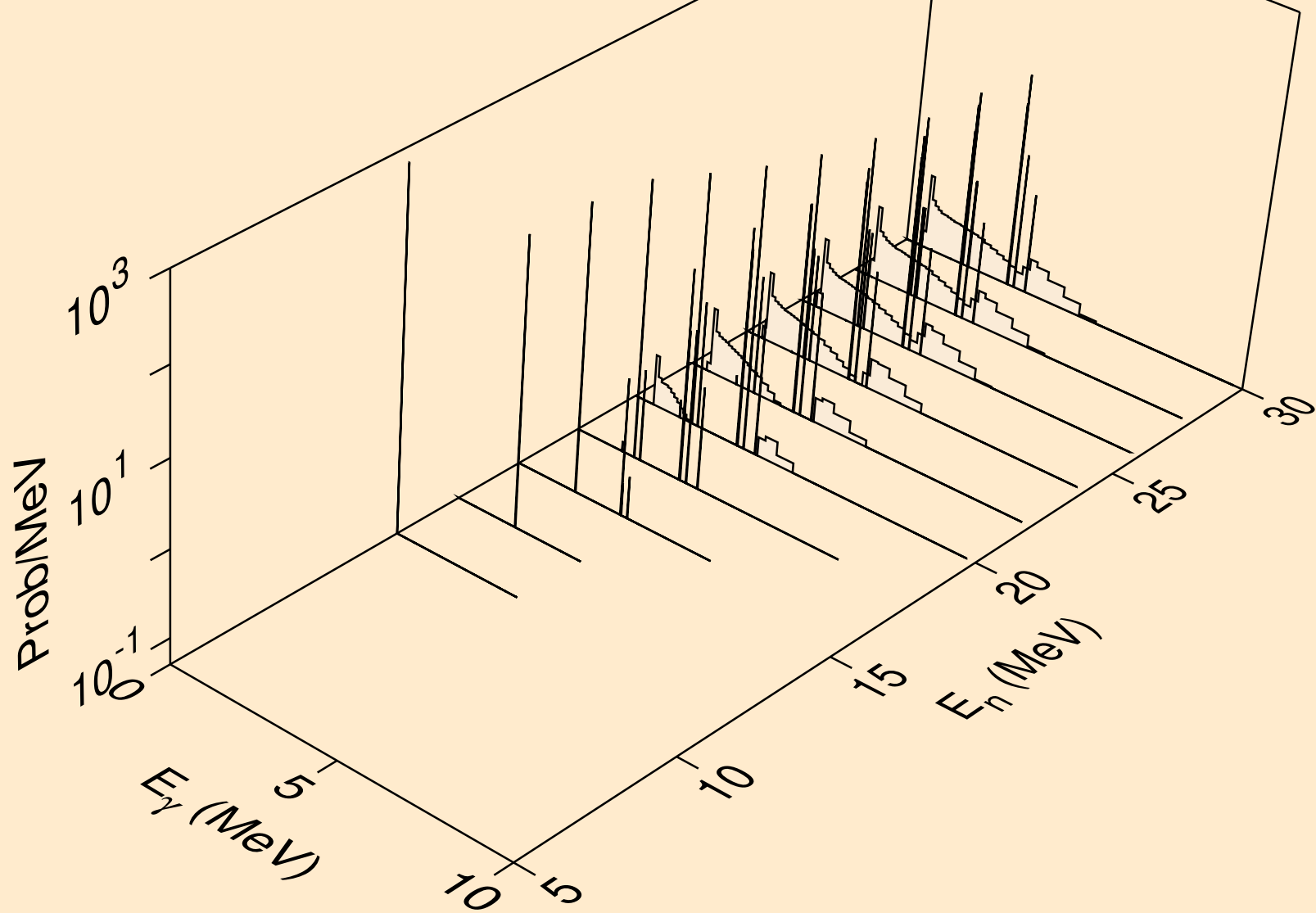




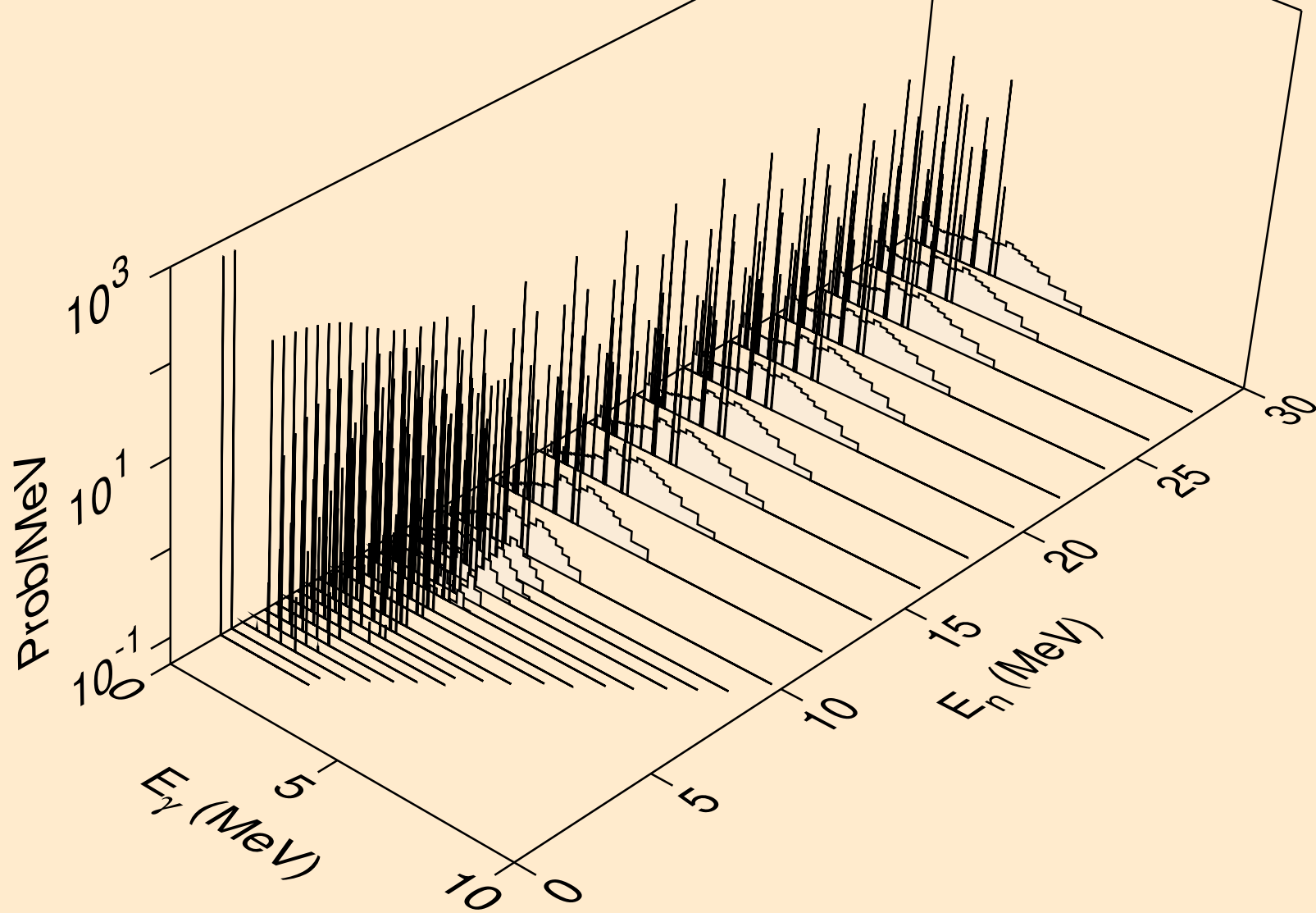
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,t)



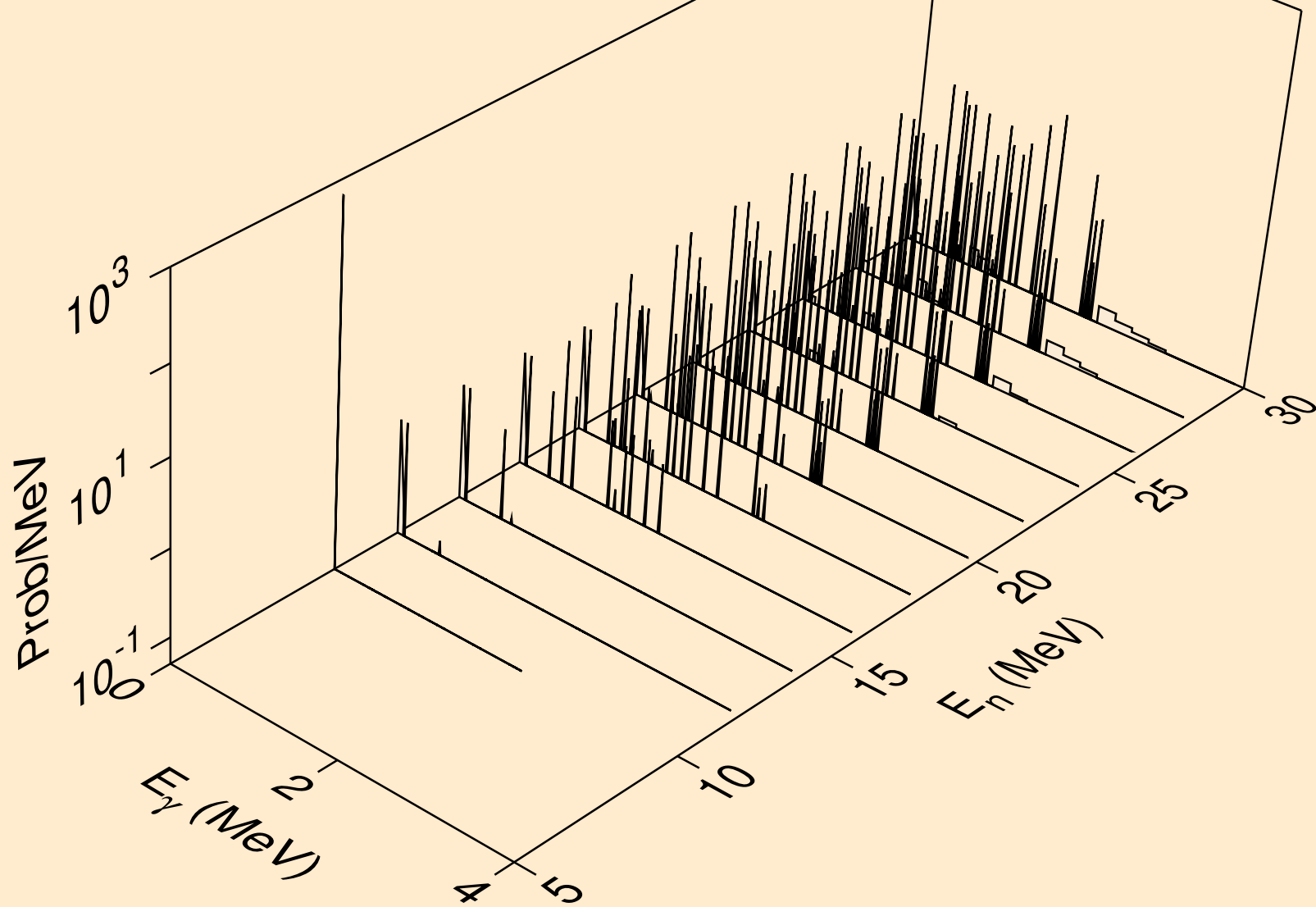
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,he3)



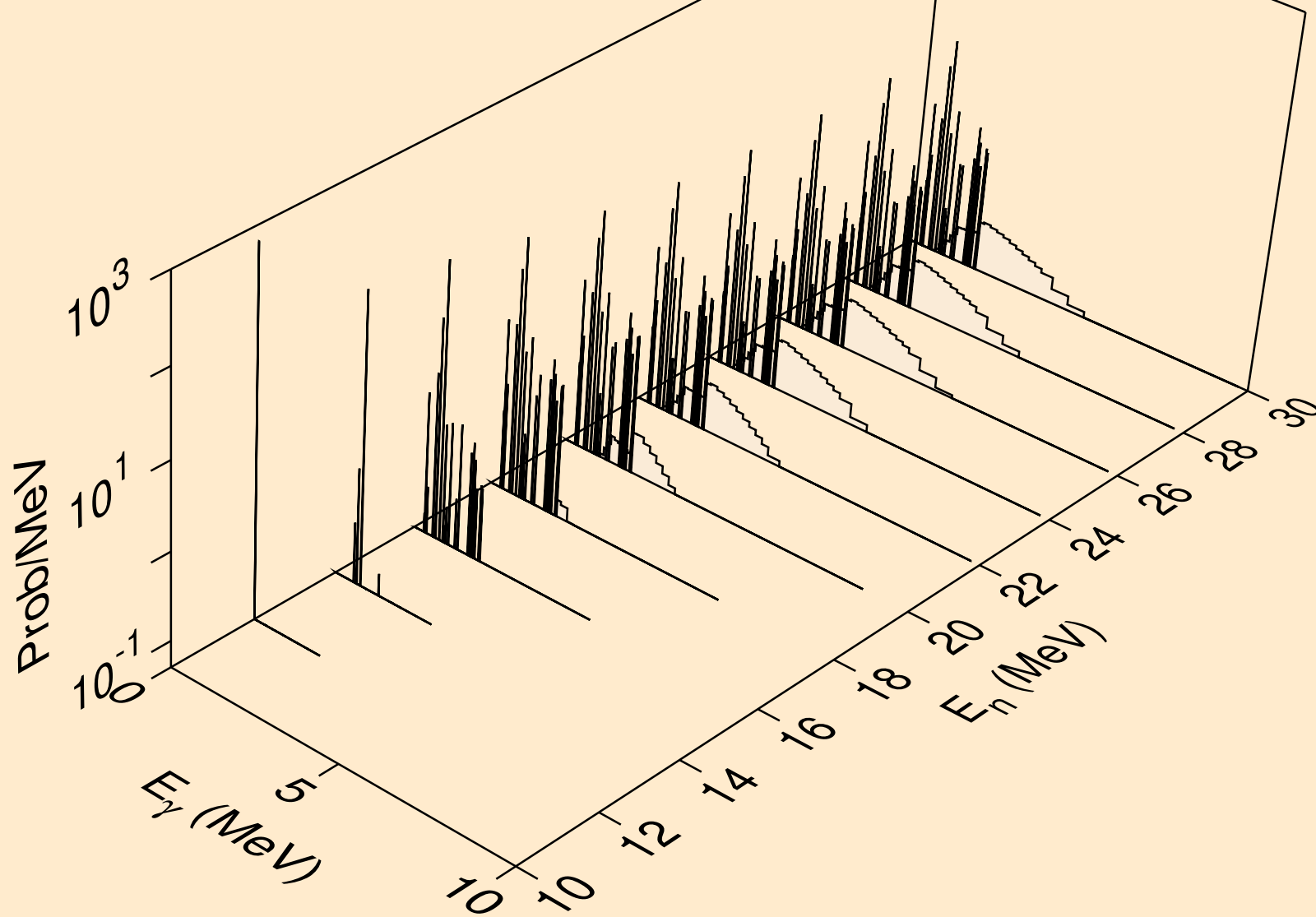
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,a)



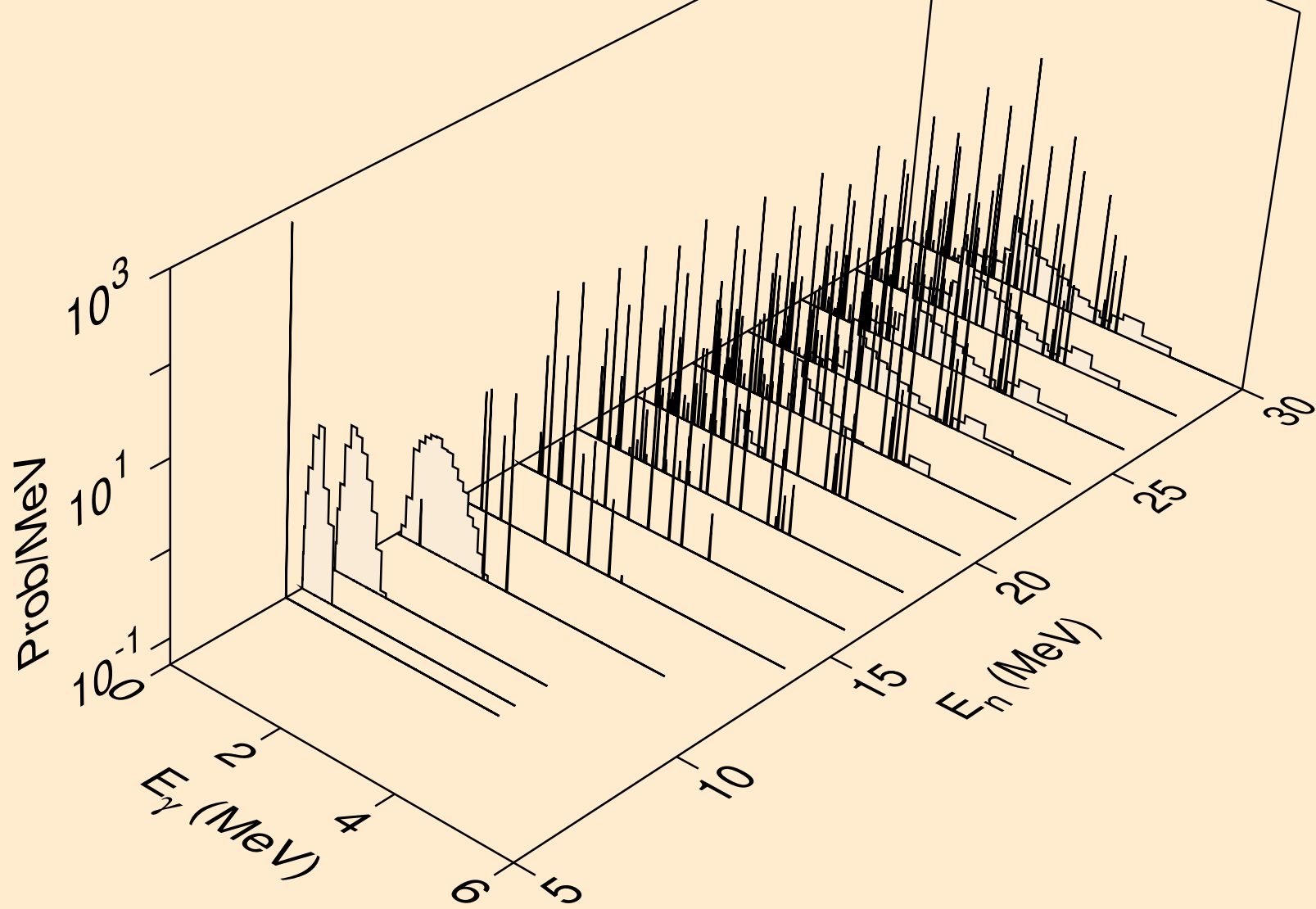
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2a)



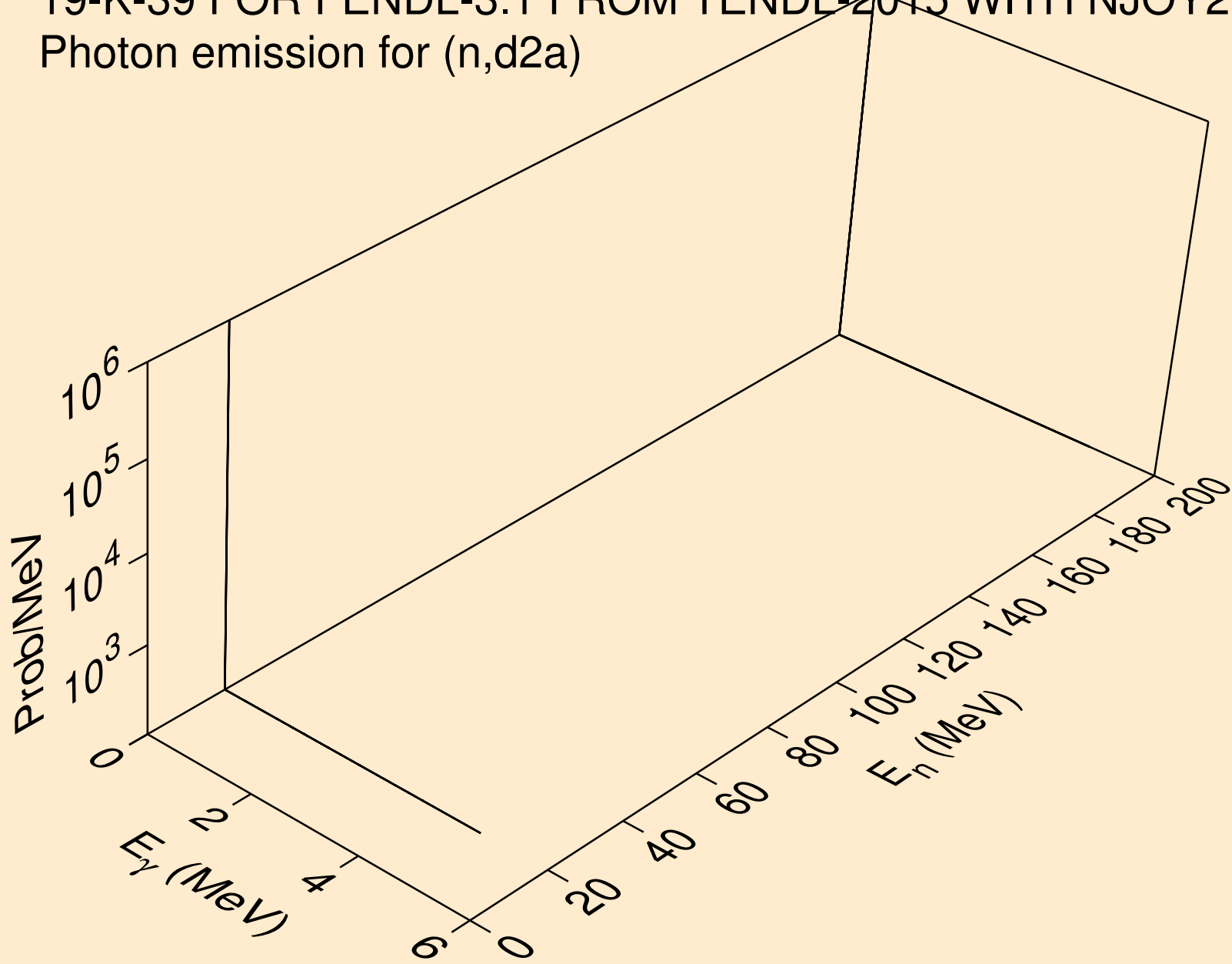
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,2p)



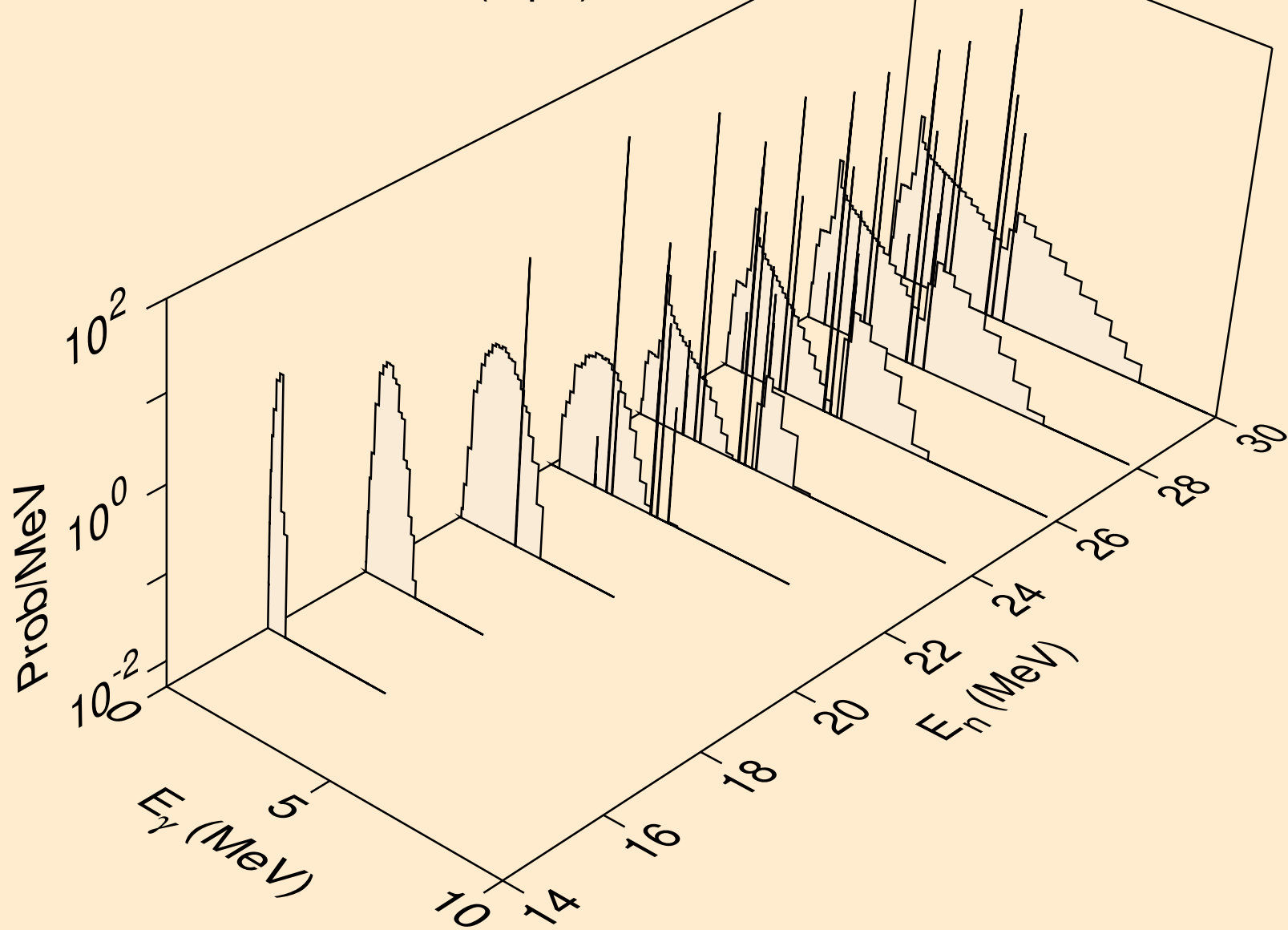
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,pa)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,d2a)

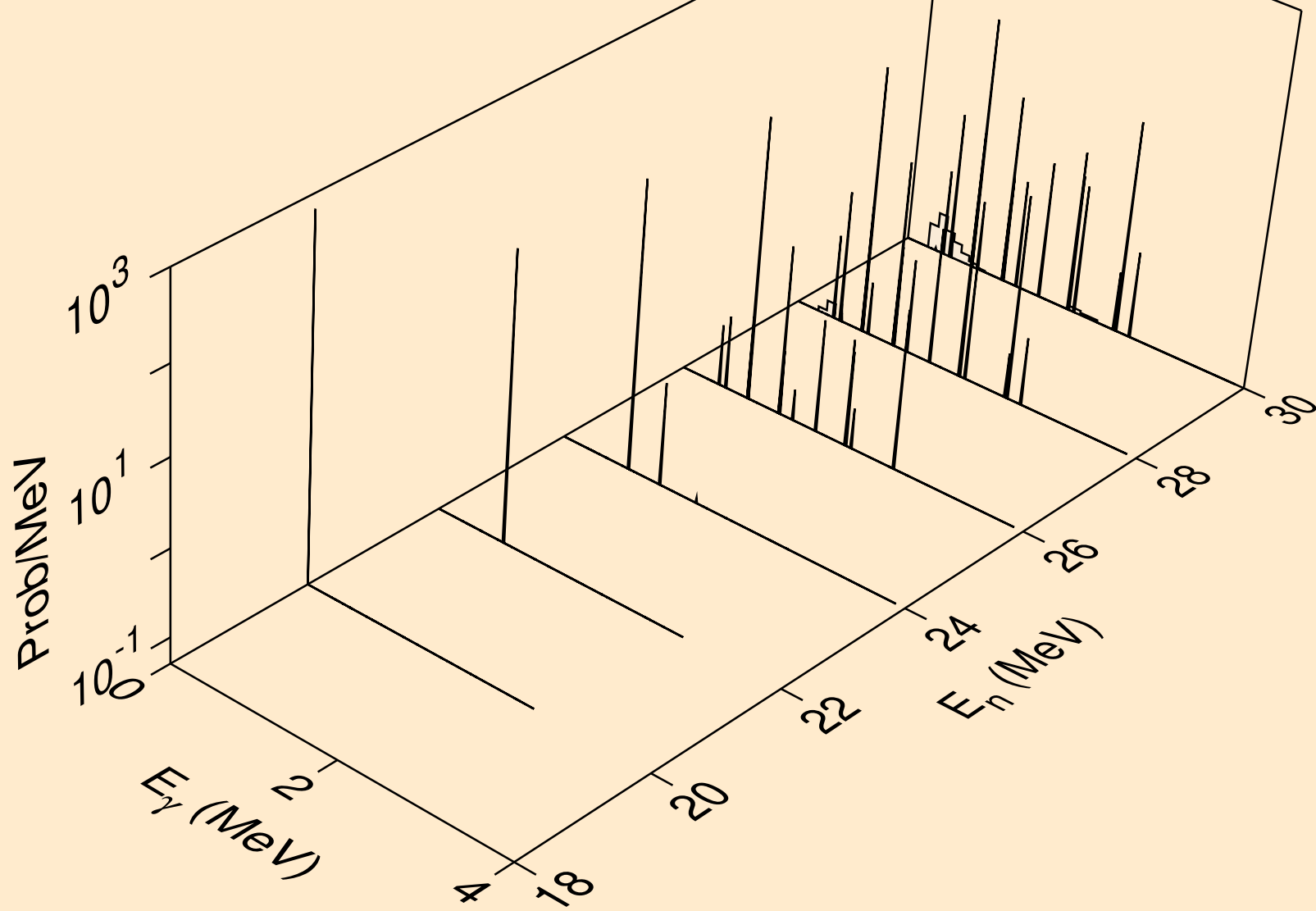


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,pd)

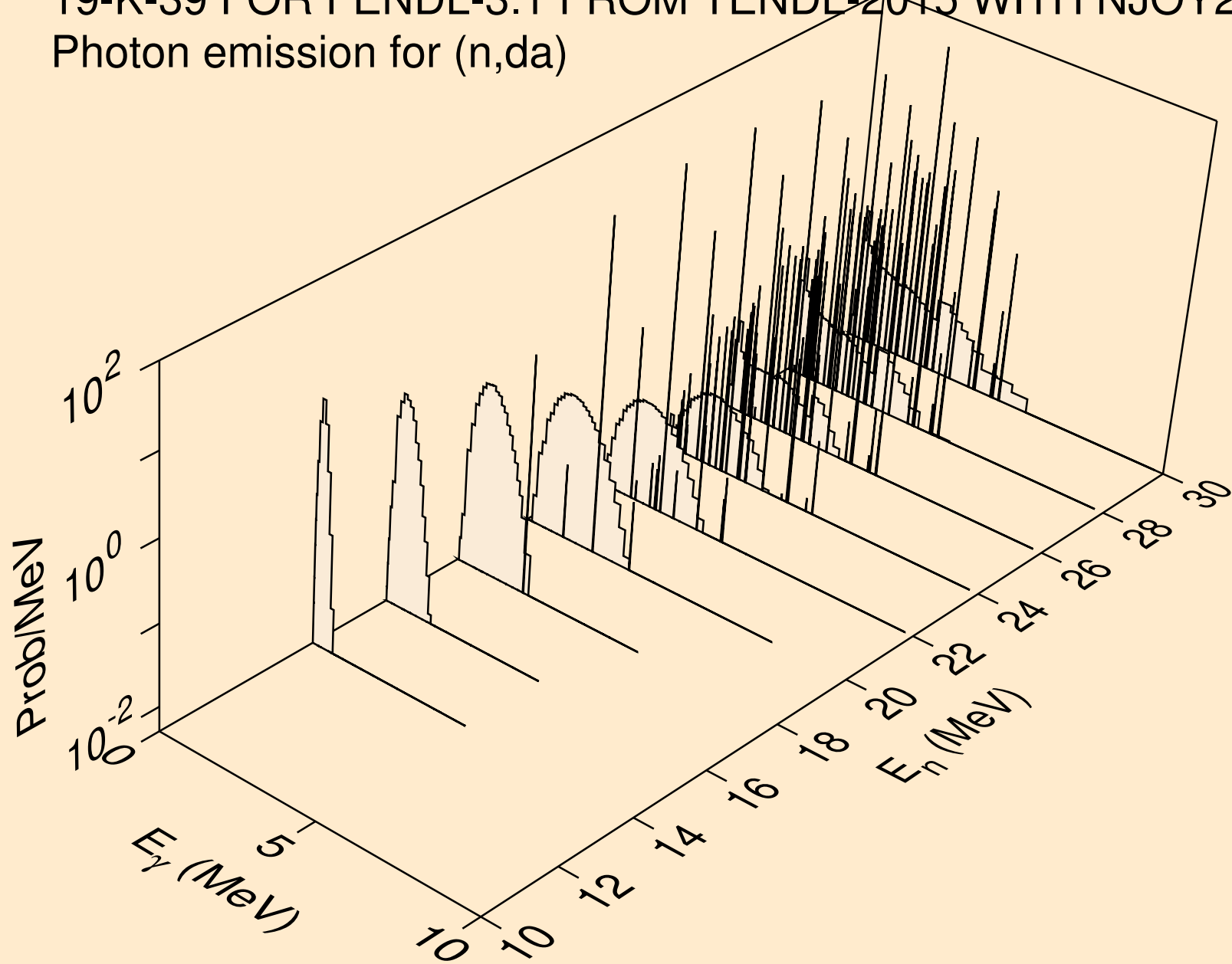




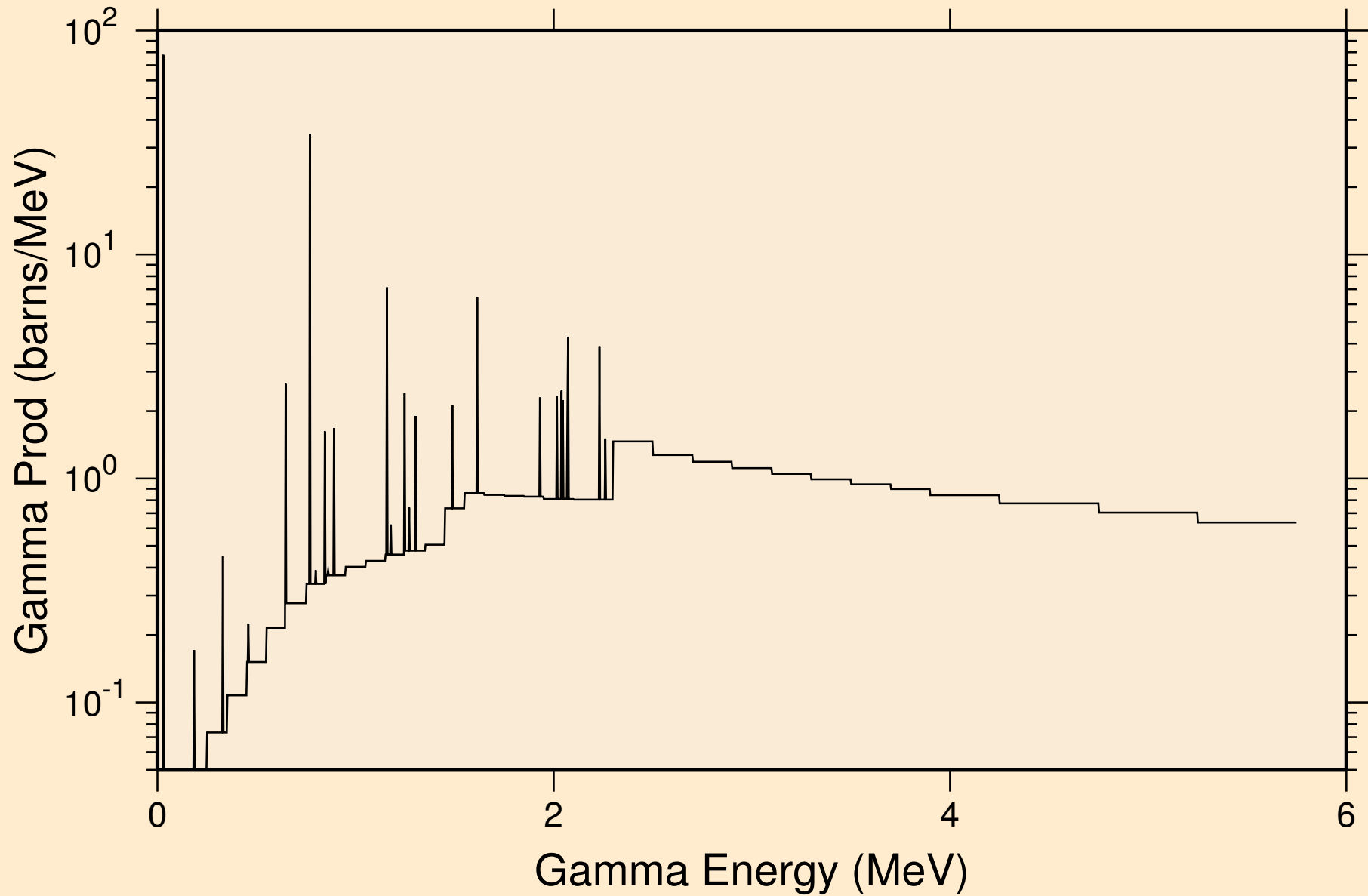
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,pt)



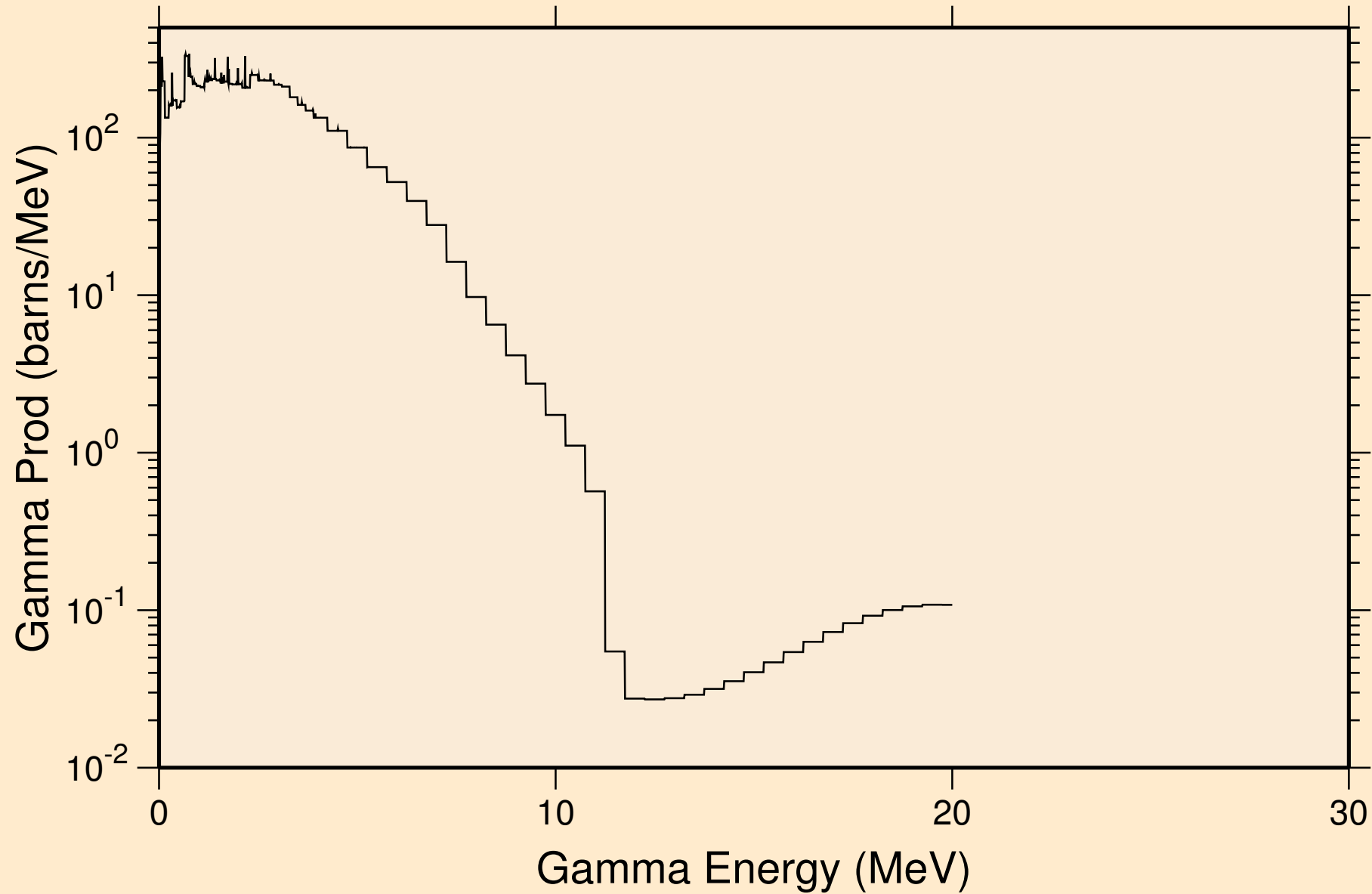
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Photon emission for (n,da)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
thermal capture photon spectrum

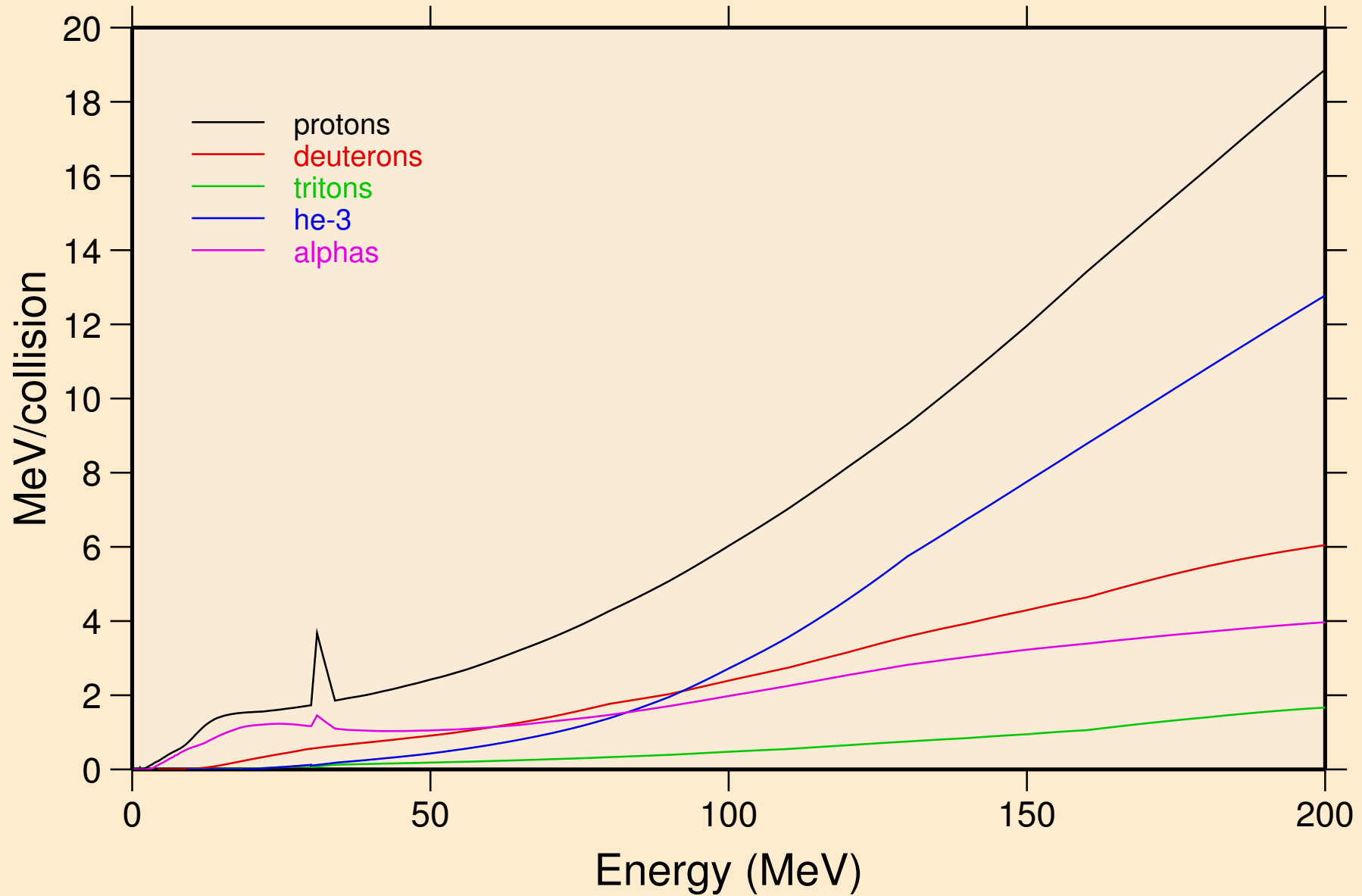


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
14 MeV photon spectrum

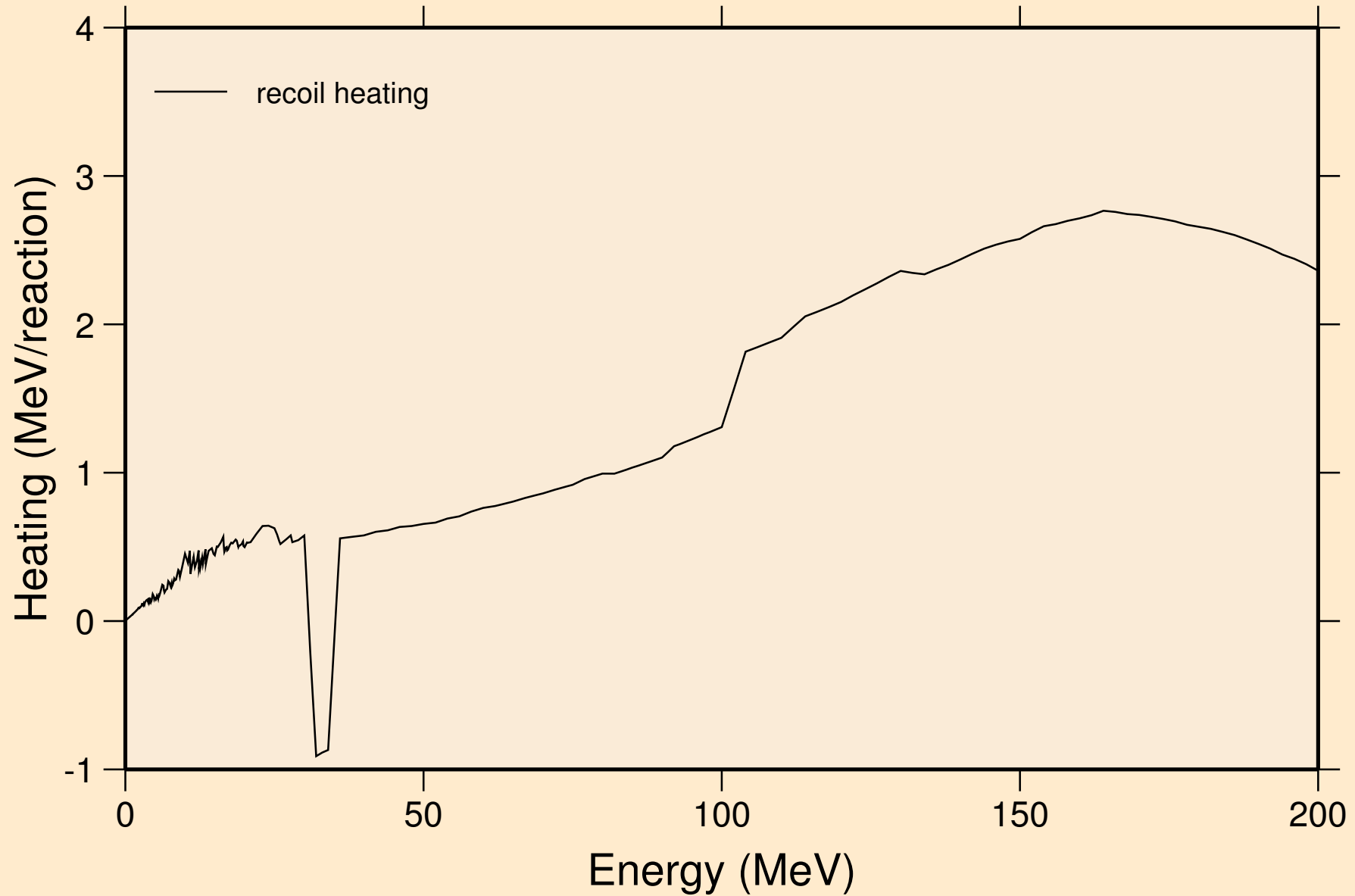


# 19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+

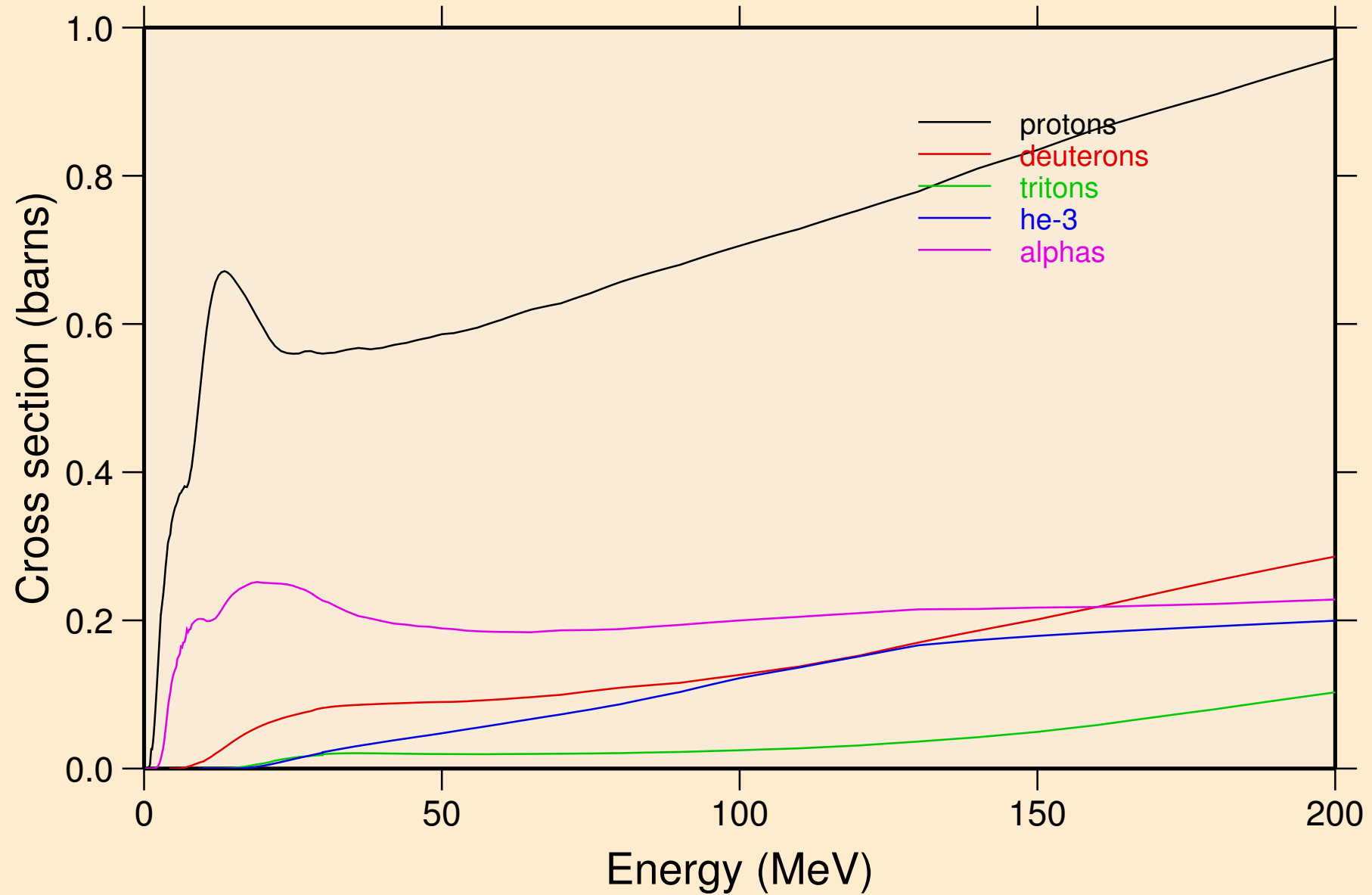
## Particle heating contributions



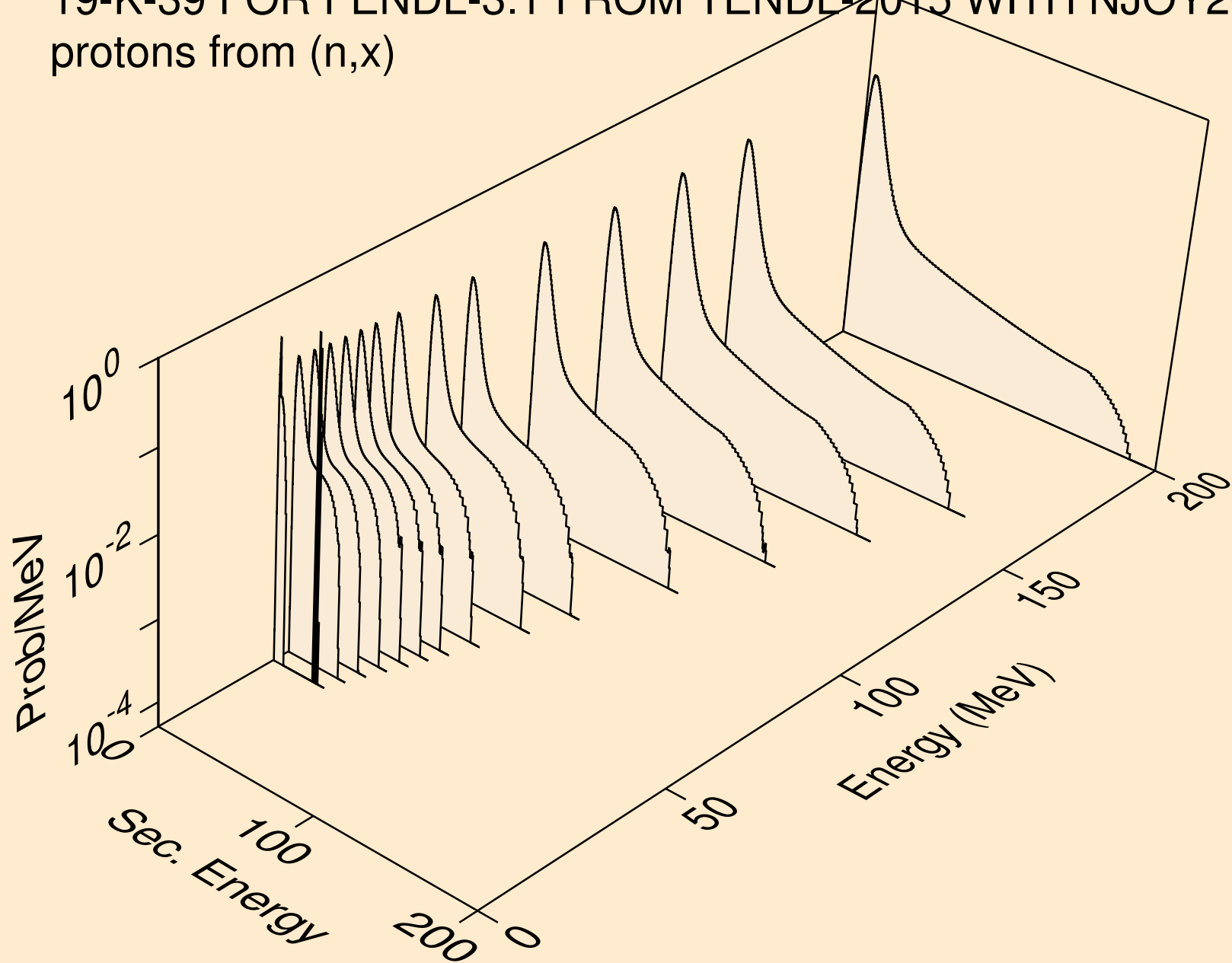
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Recoil Heating



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
Particle production cross sections

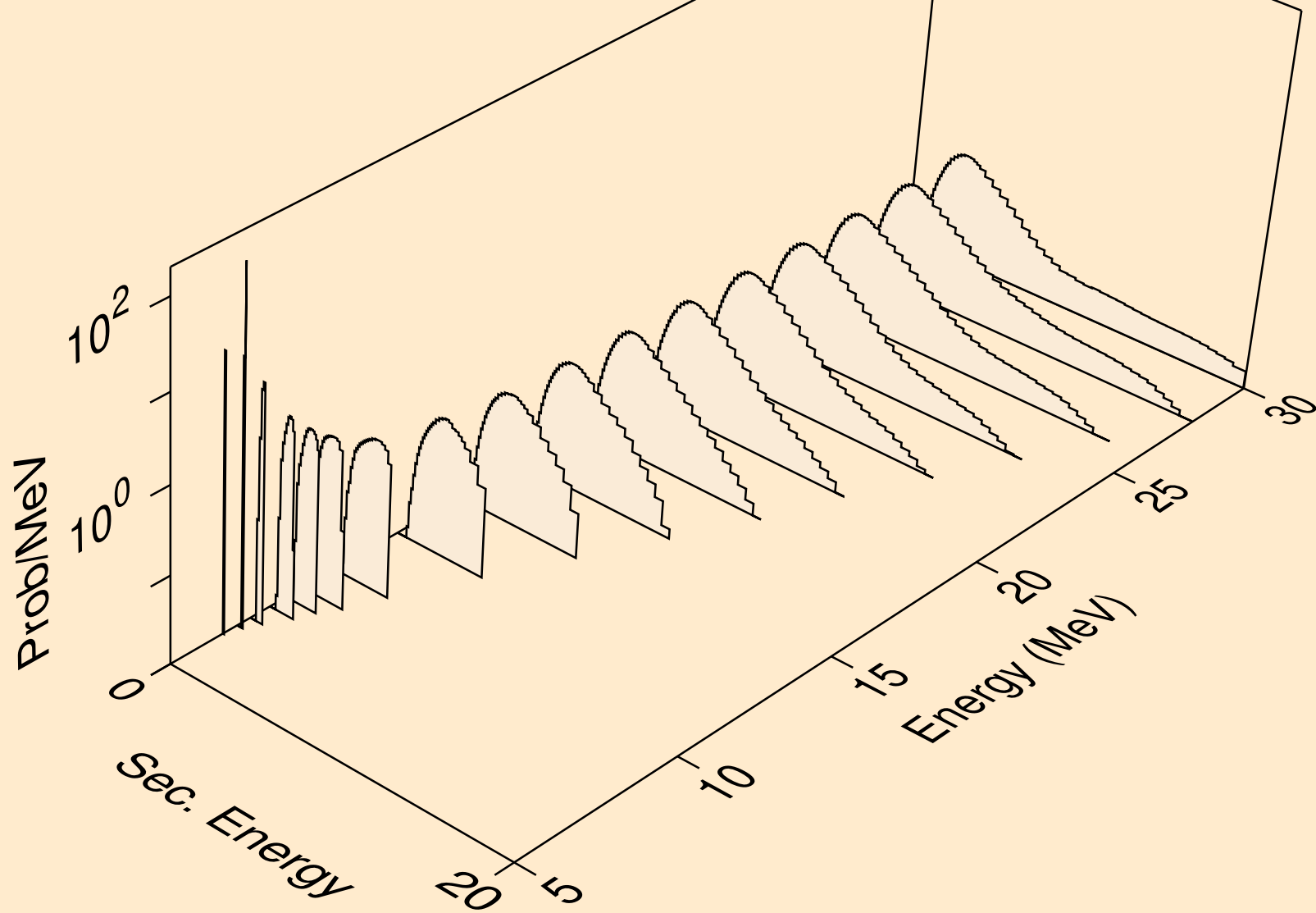


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,x)

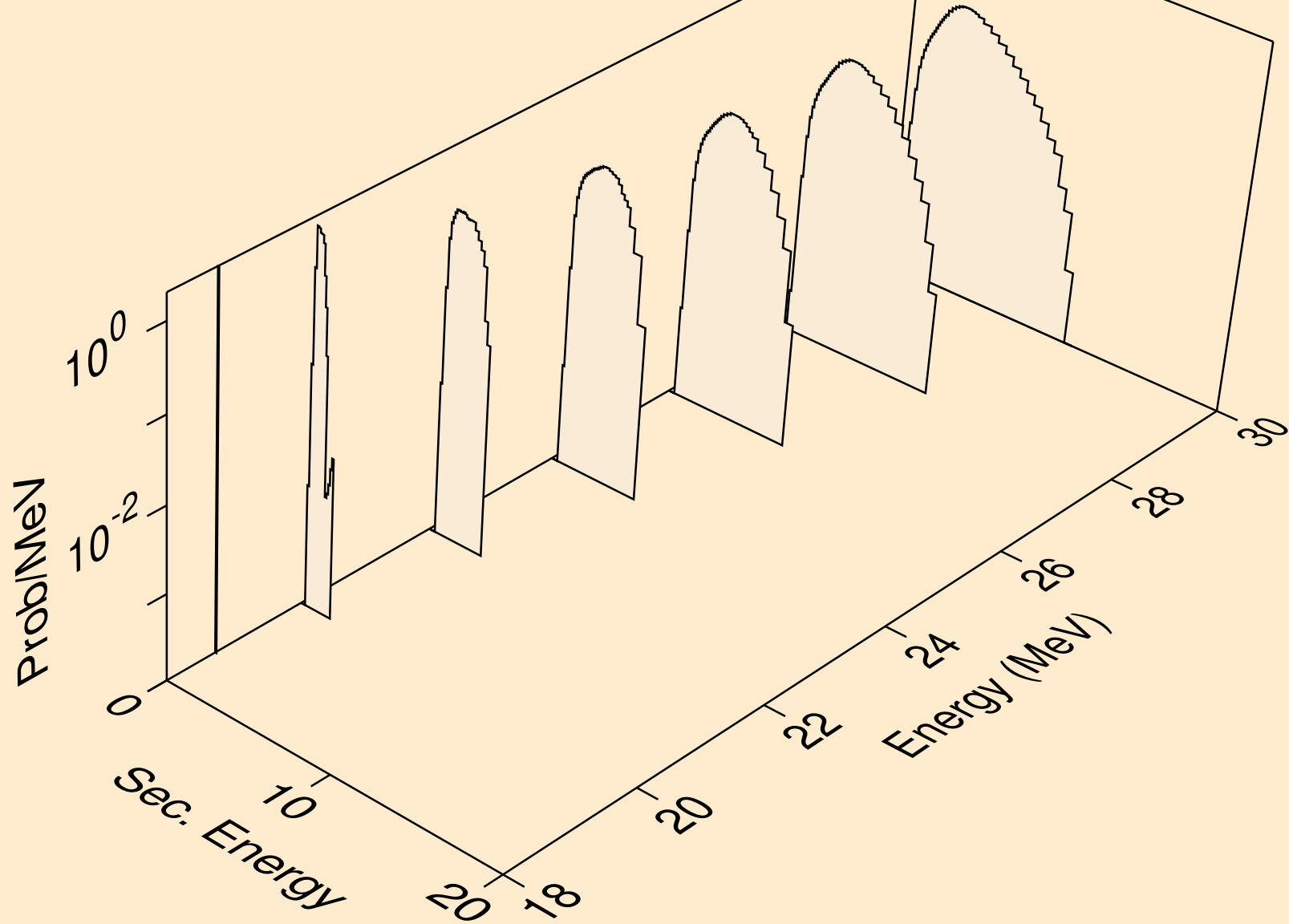




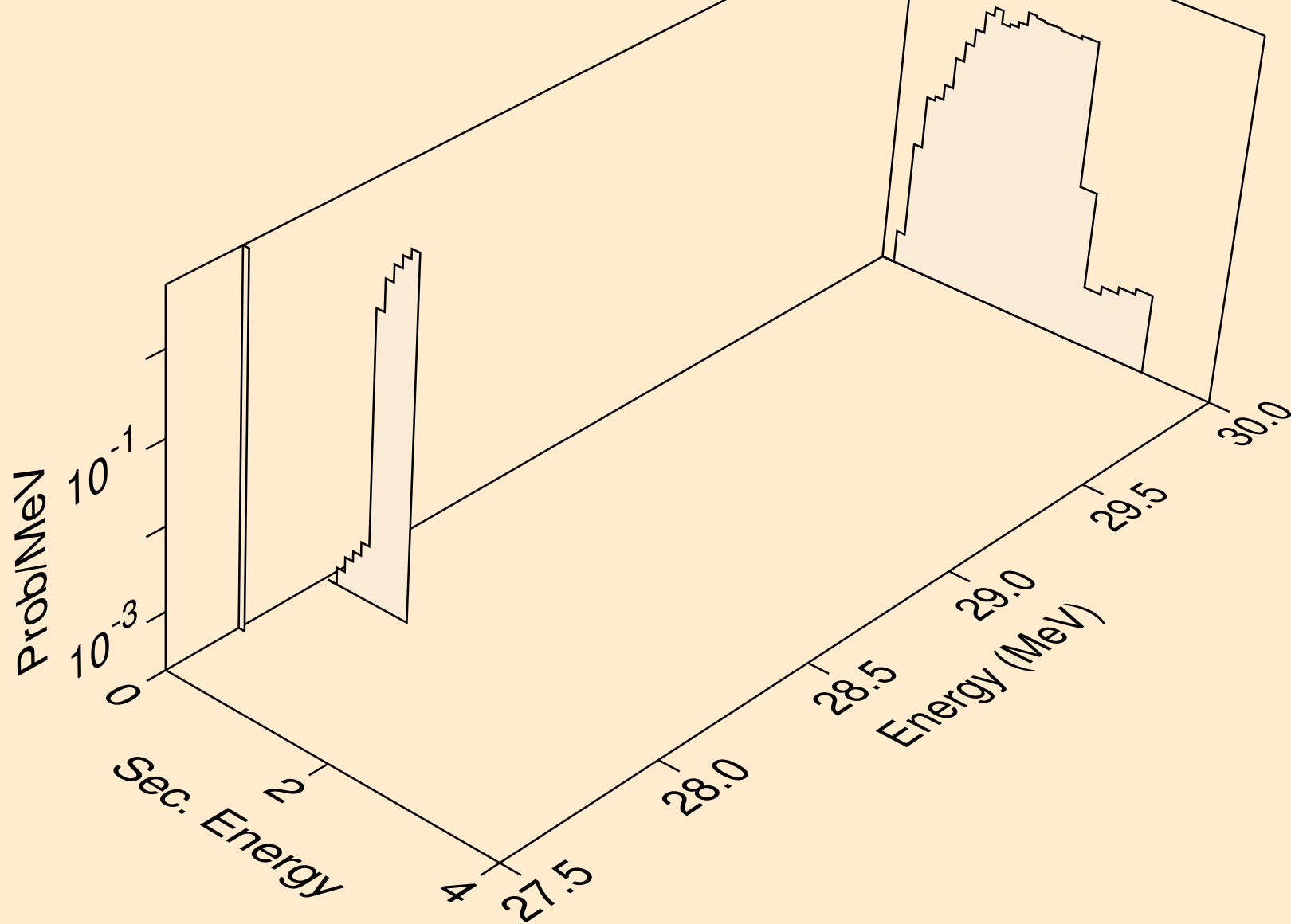
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,n\*)p



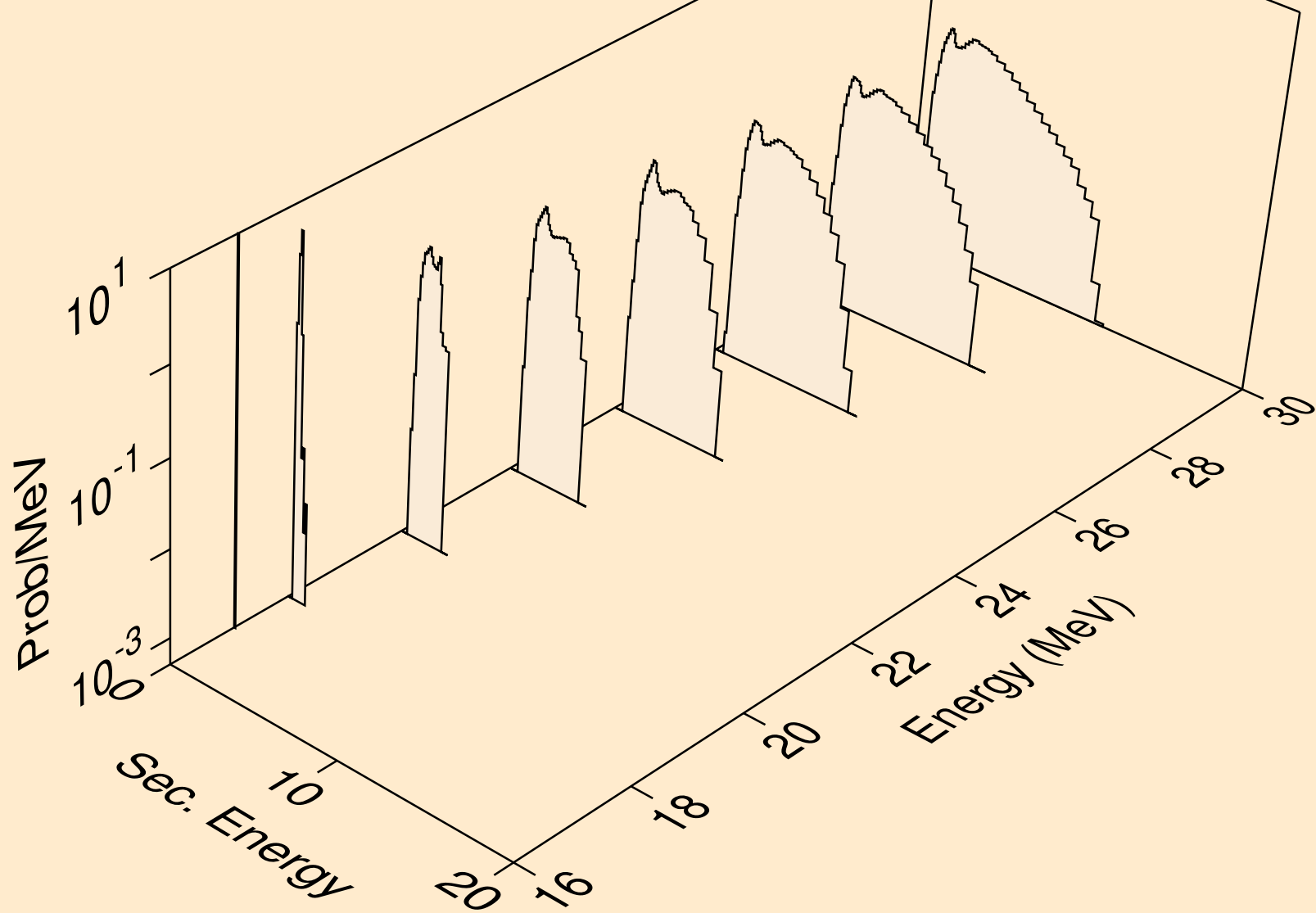
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,2np)



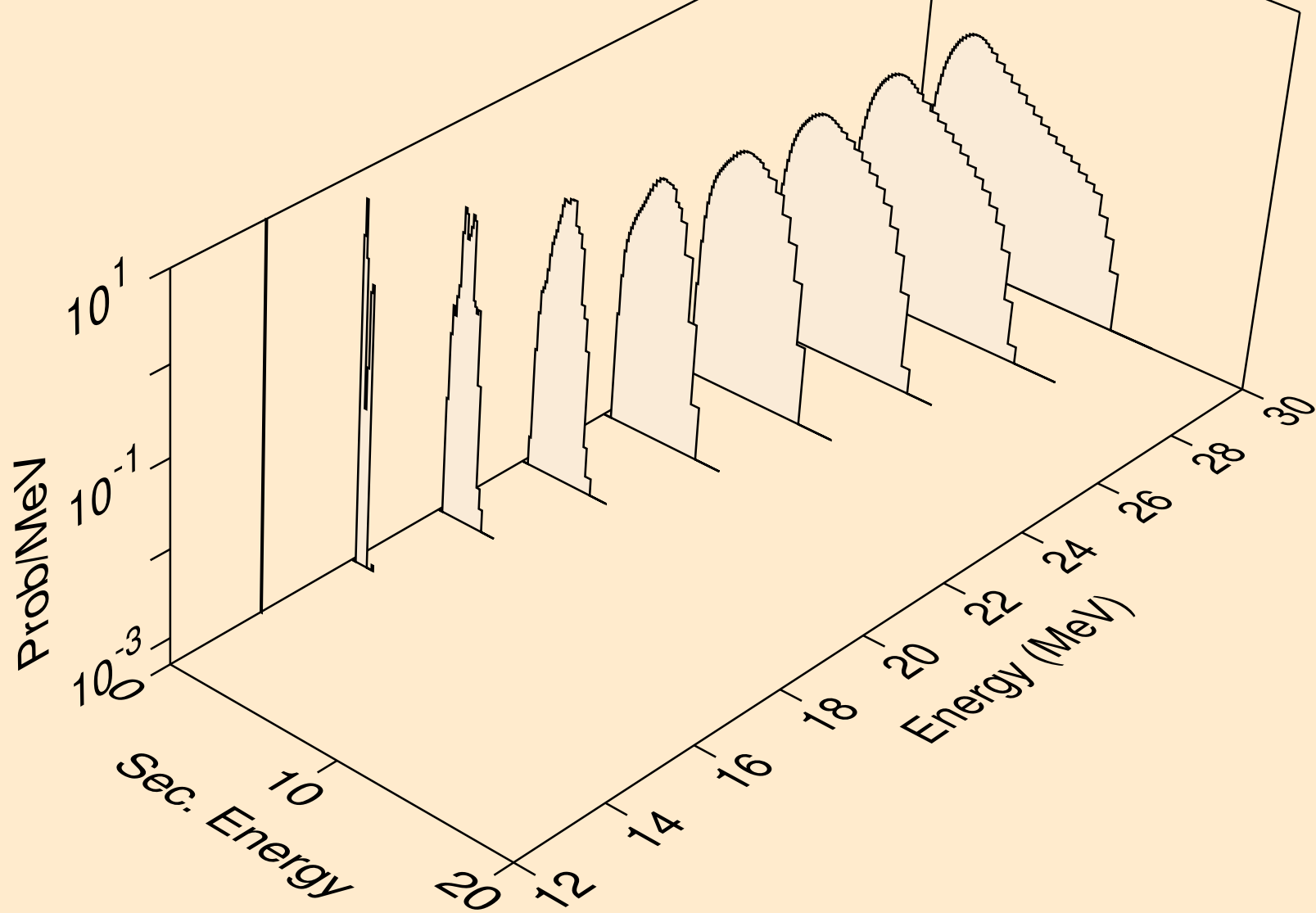
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,3np)



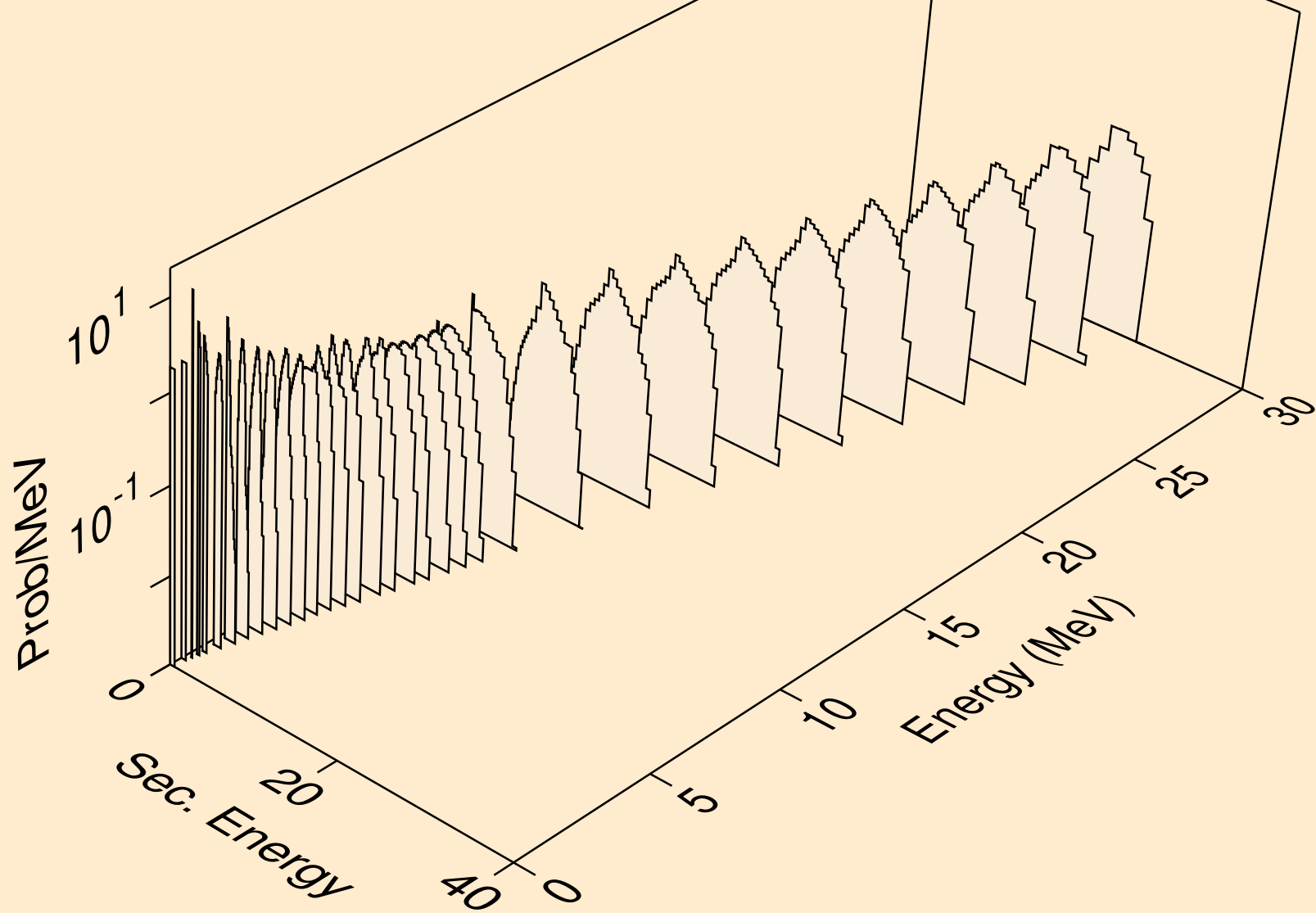
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,2np)



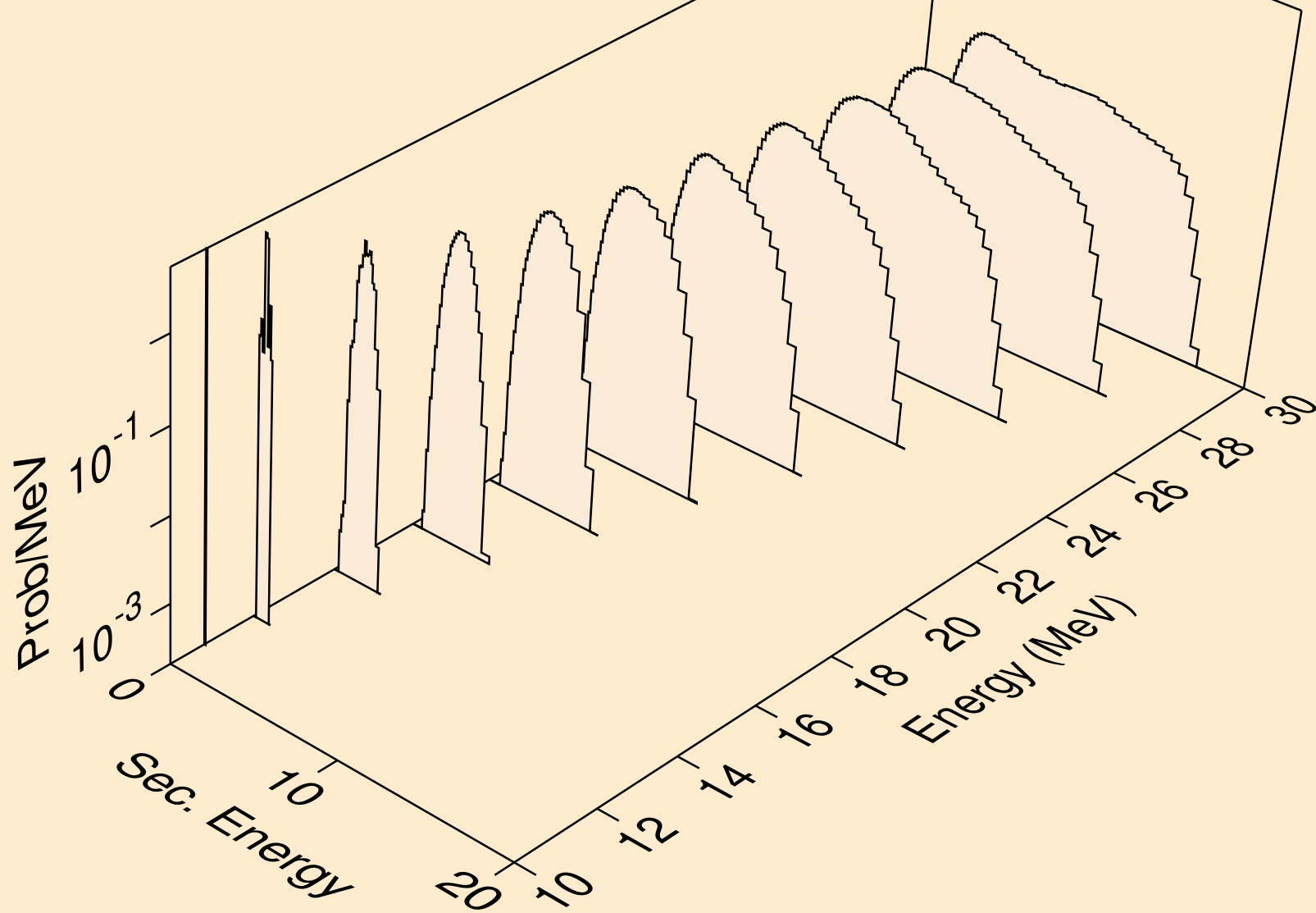
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,npa)



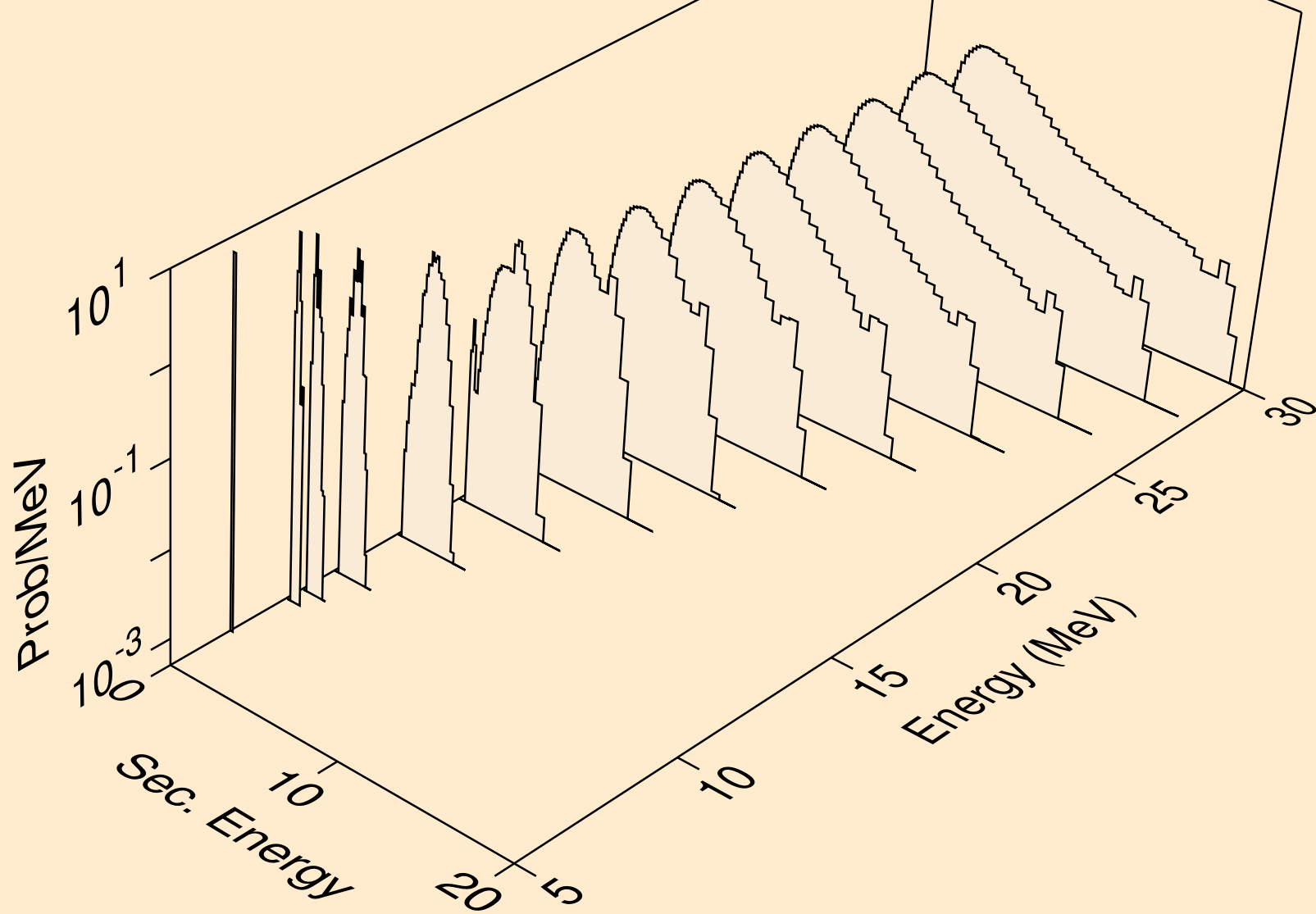
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,p)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,2p)

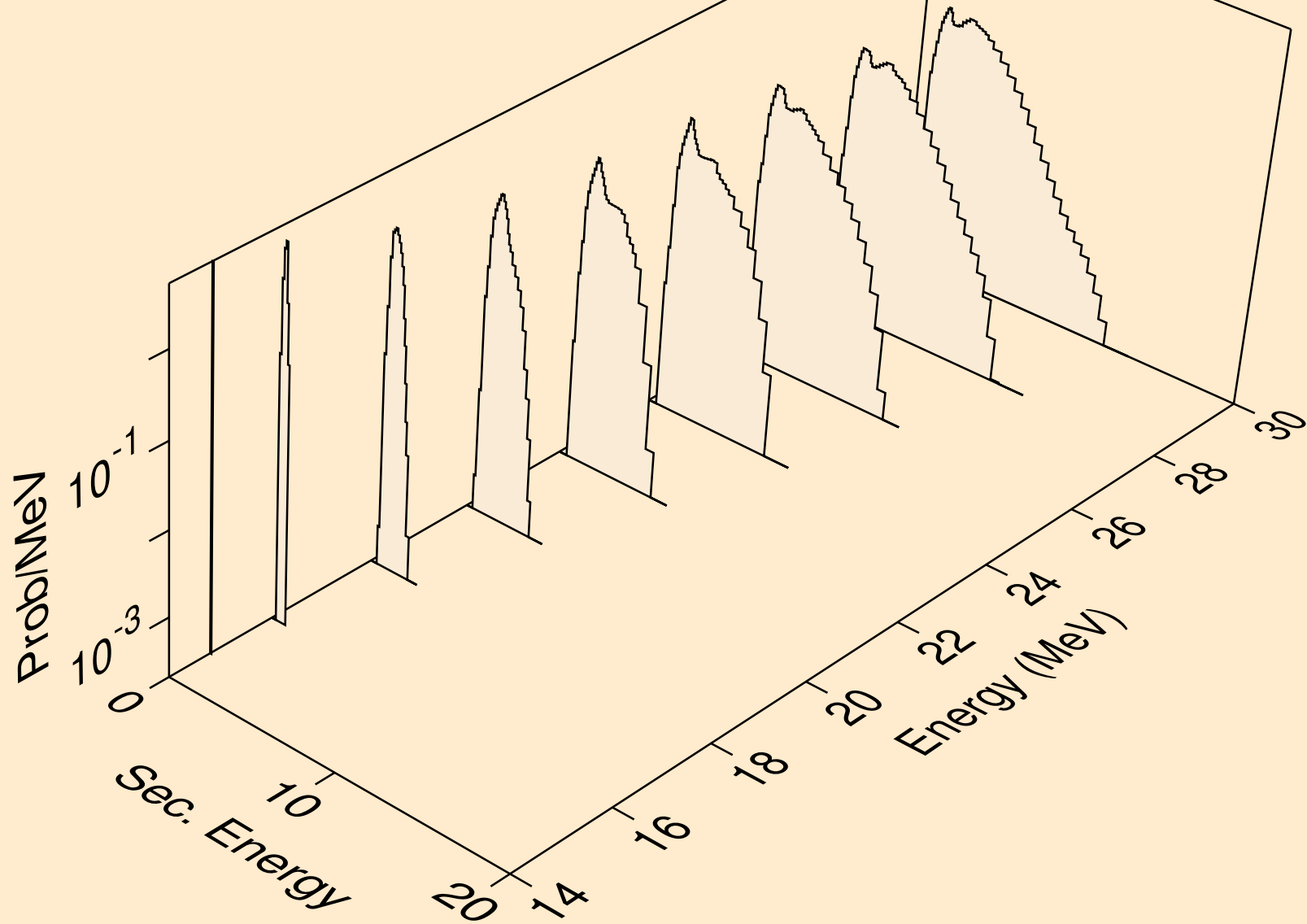


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,pa)

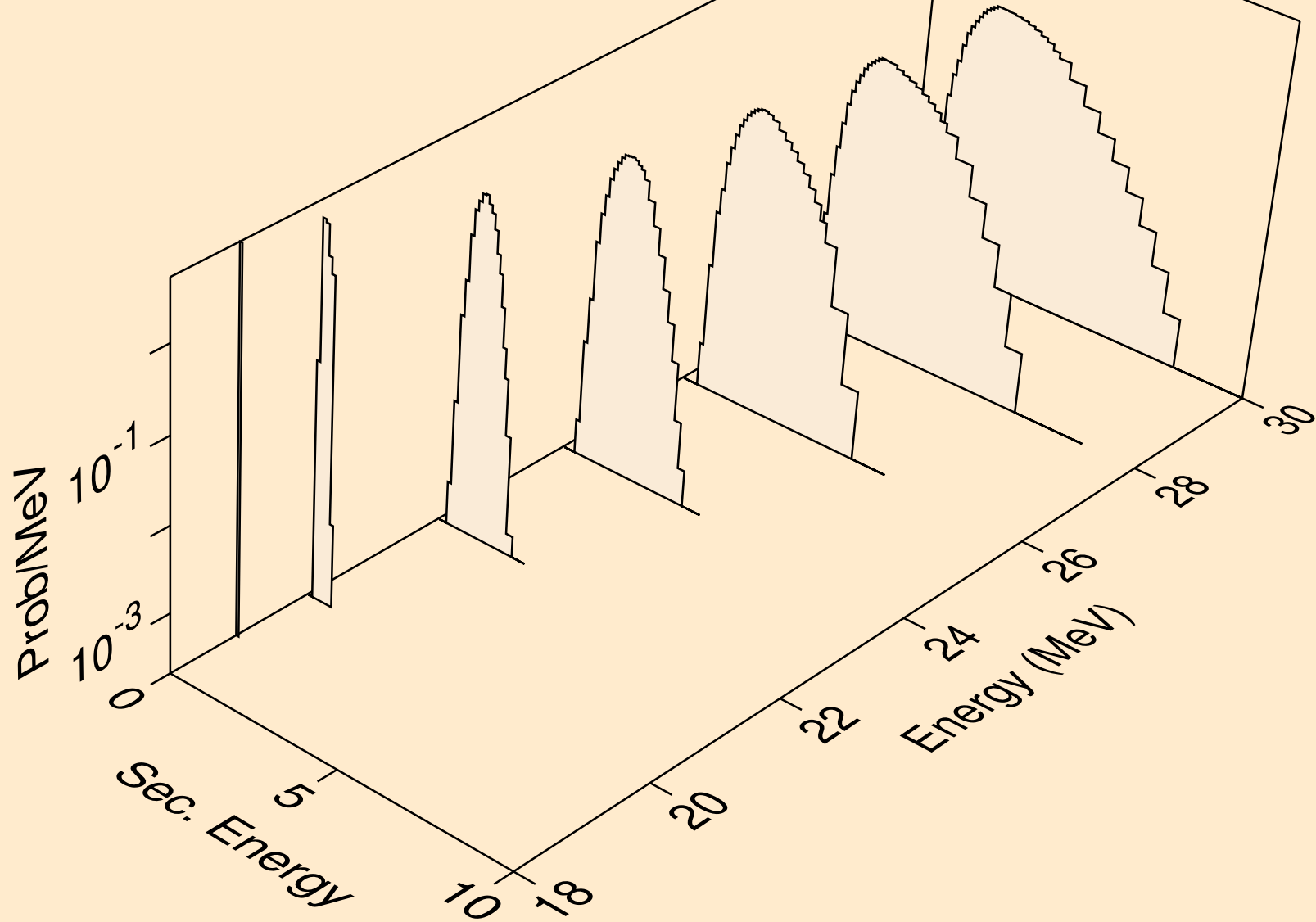




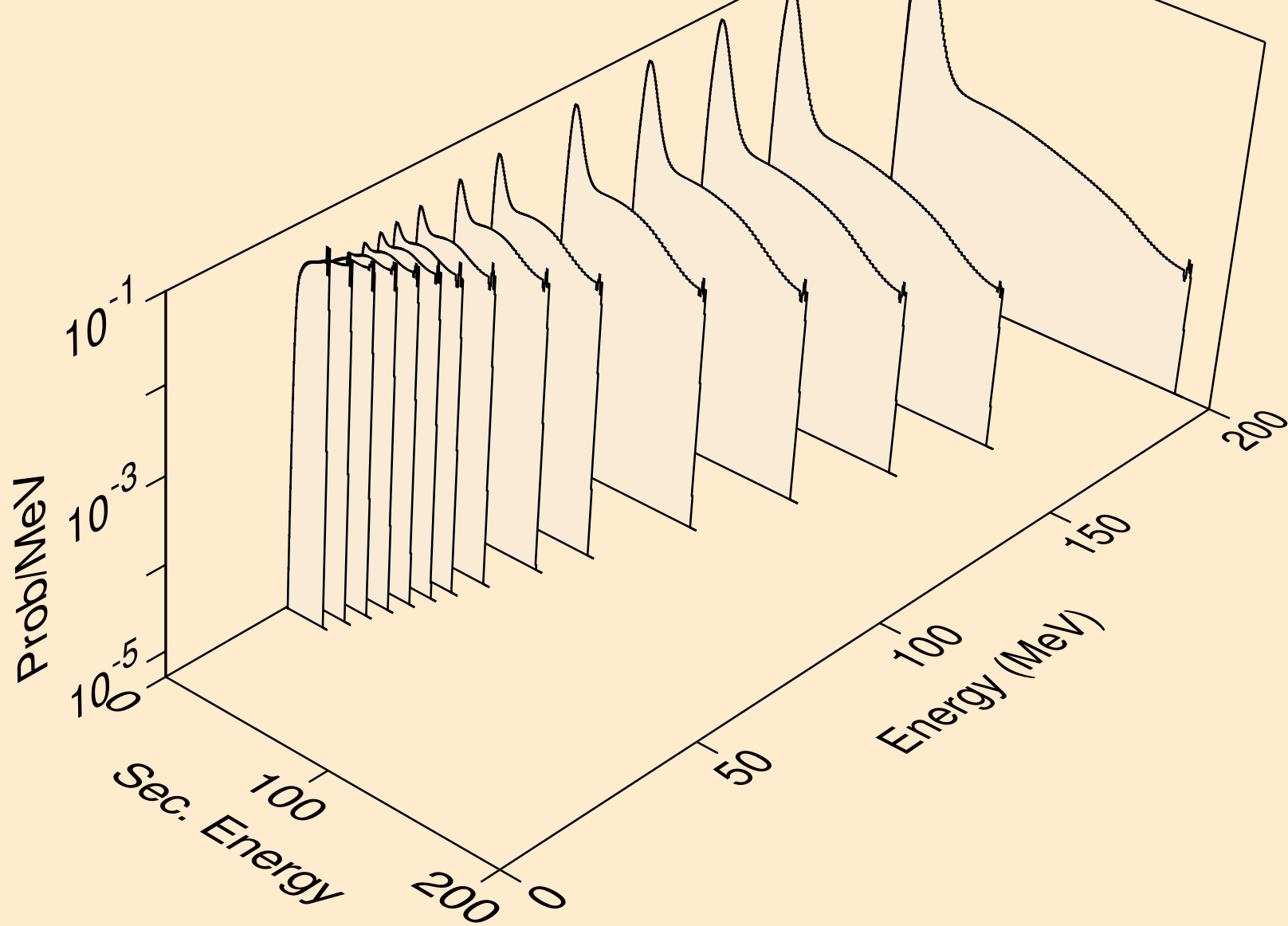
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,pd)



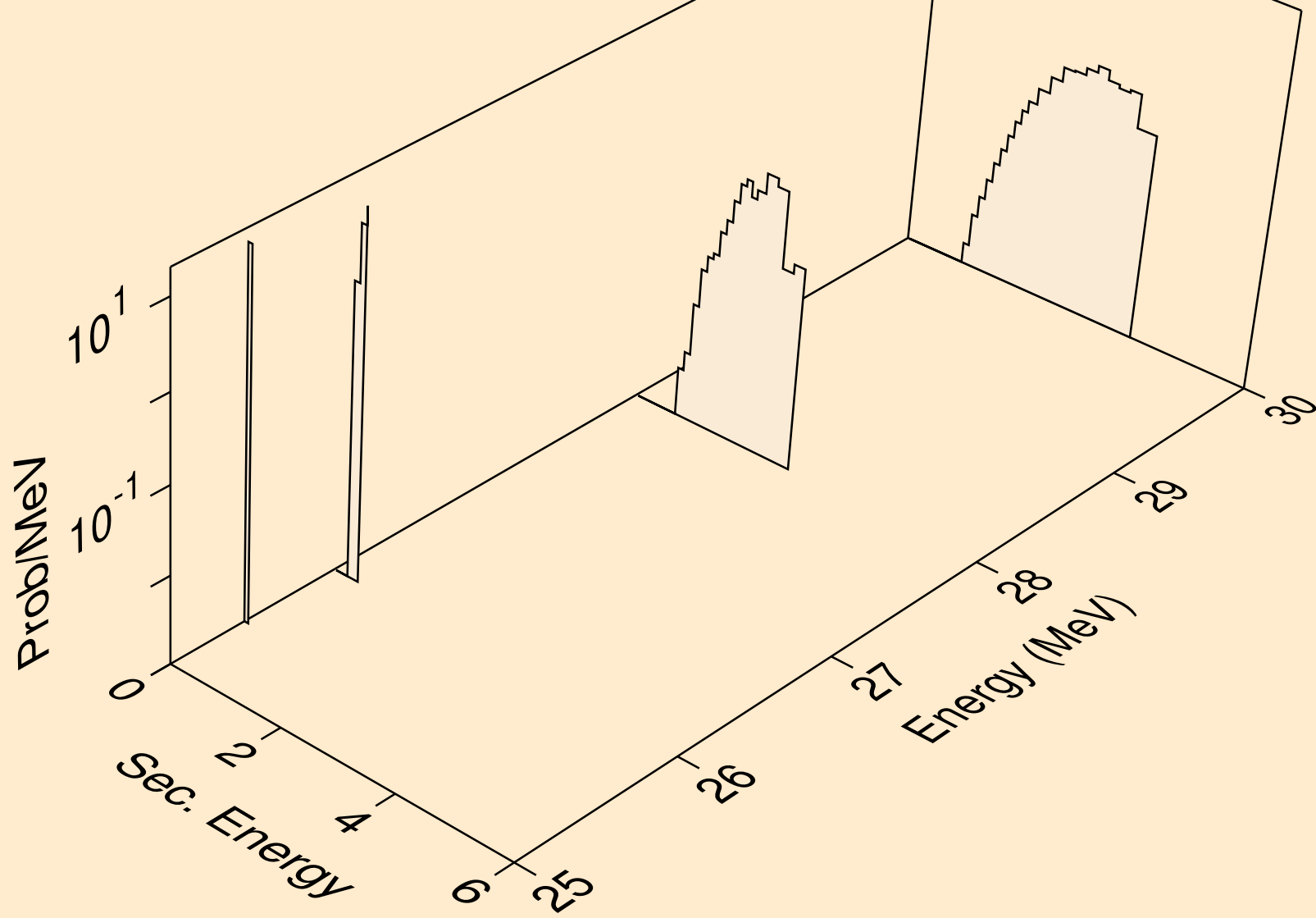
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
protons from (n,pt)



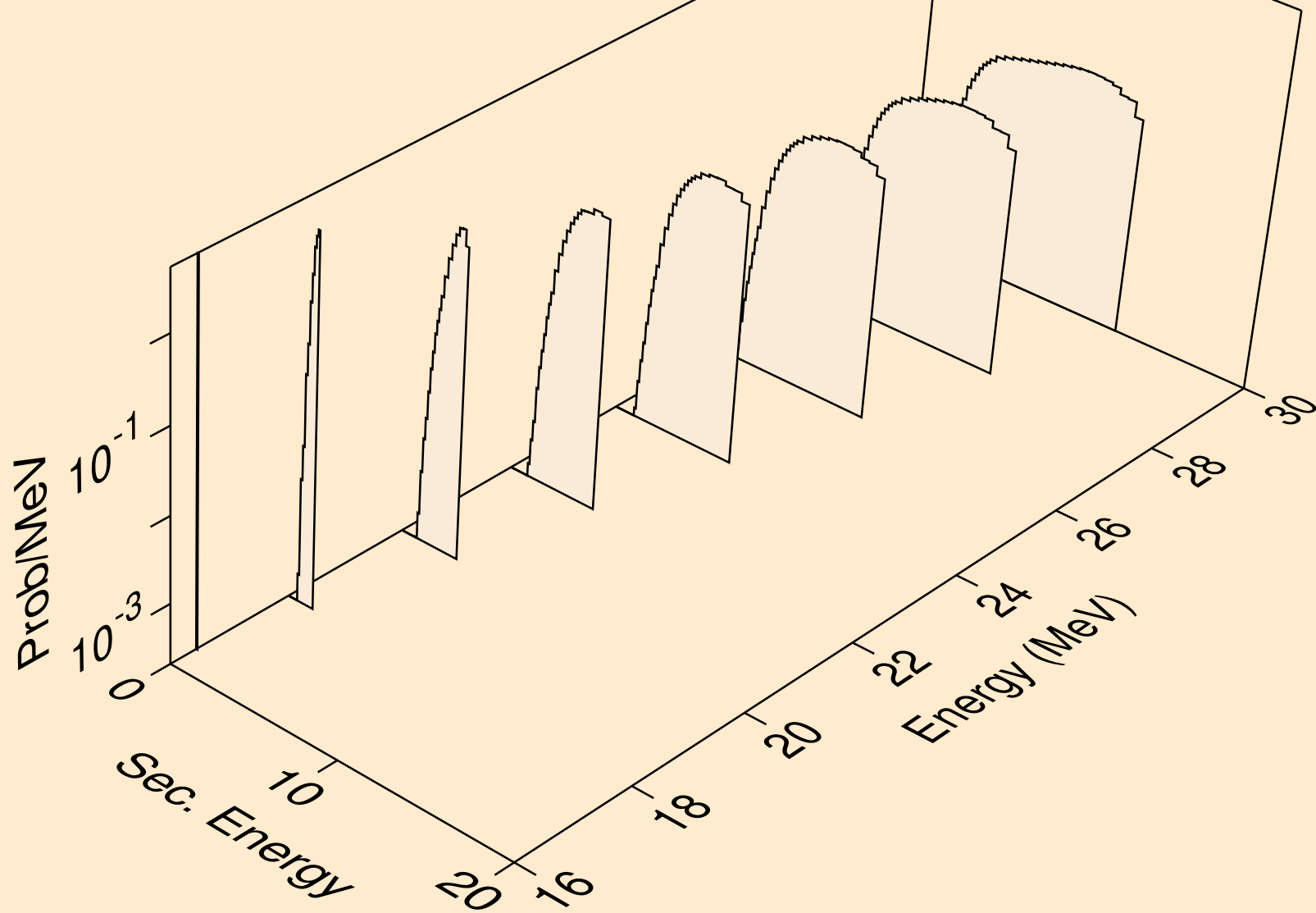
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,x)



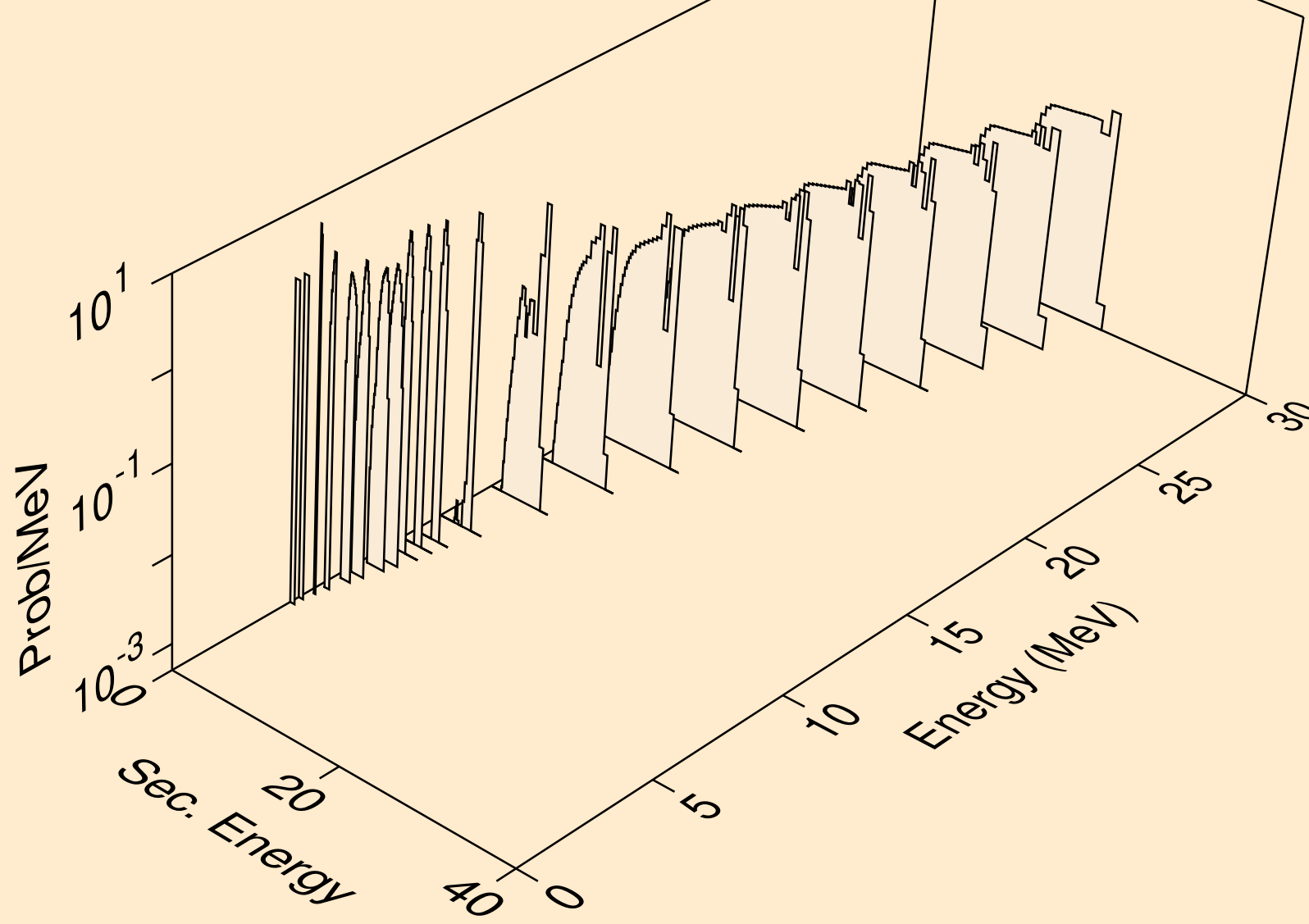
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,2nd)



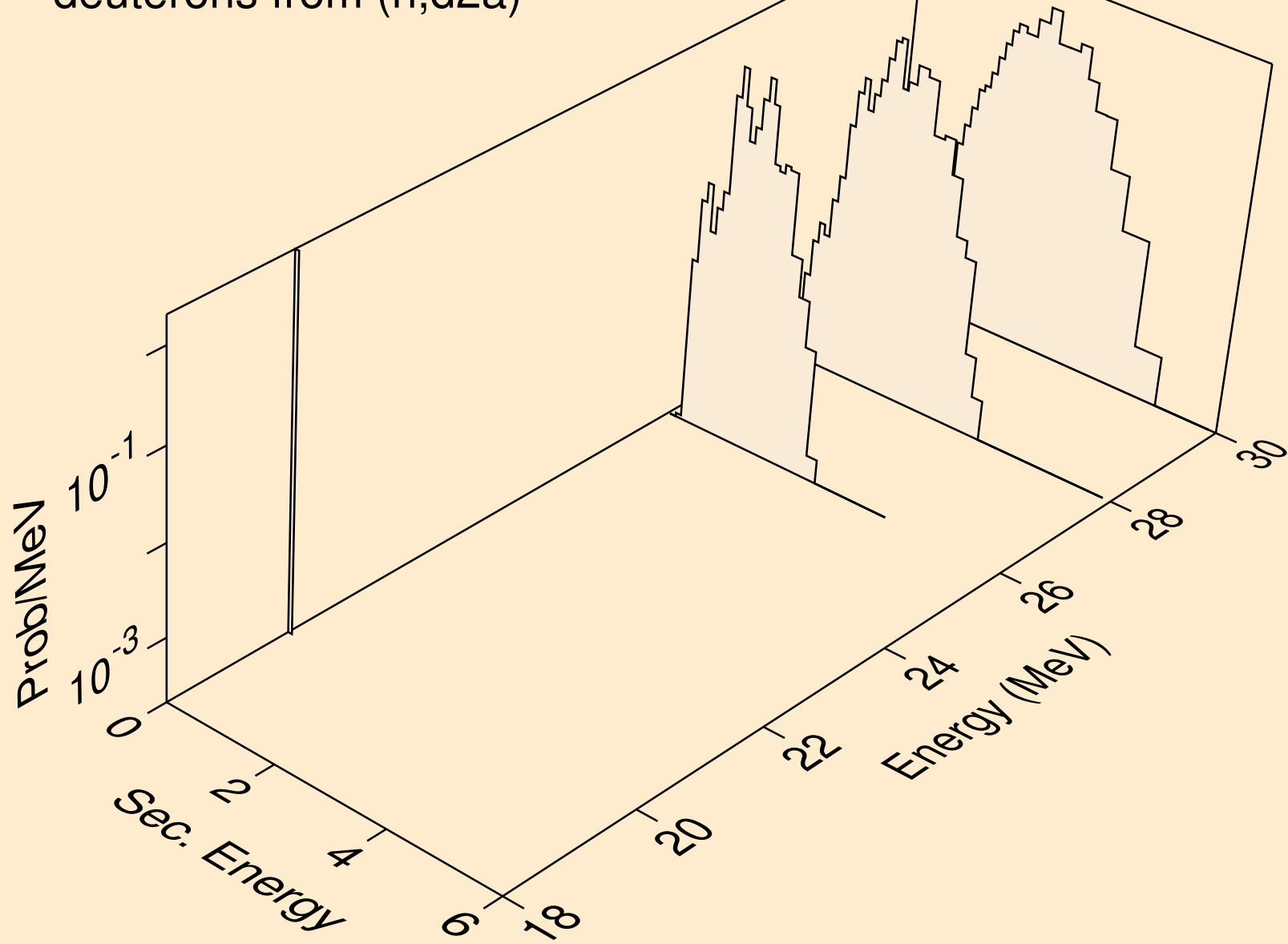
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,n\*)d



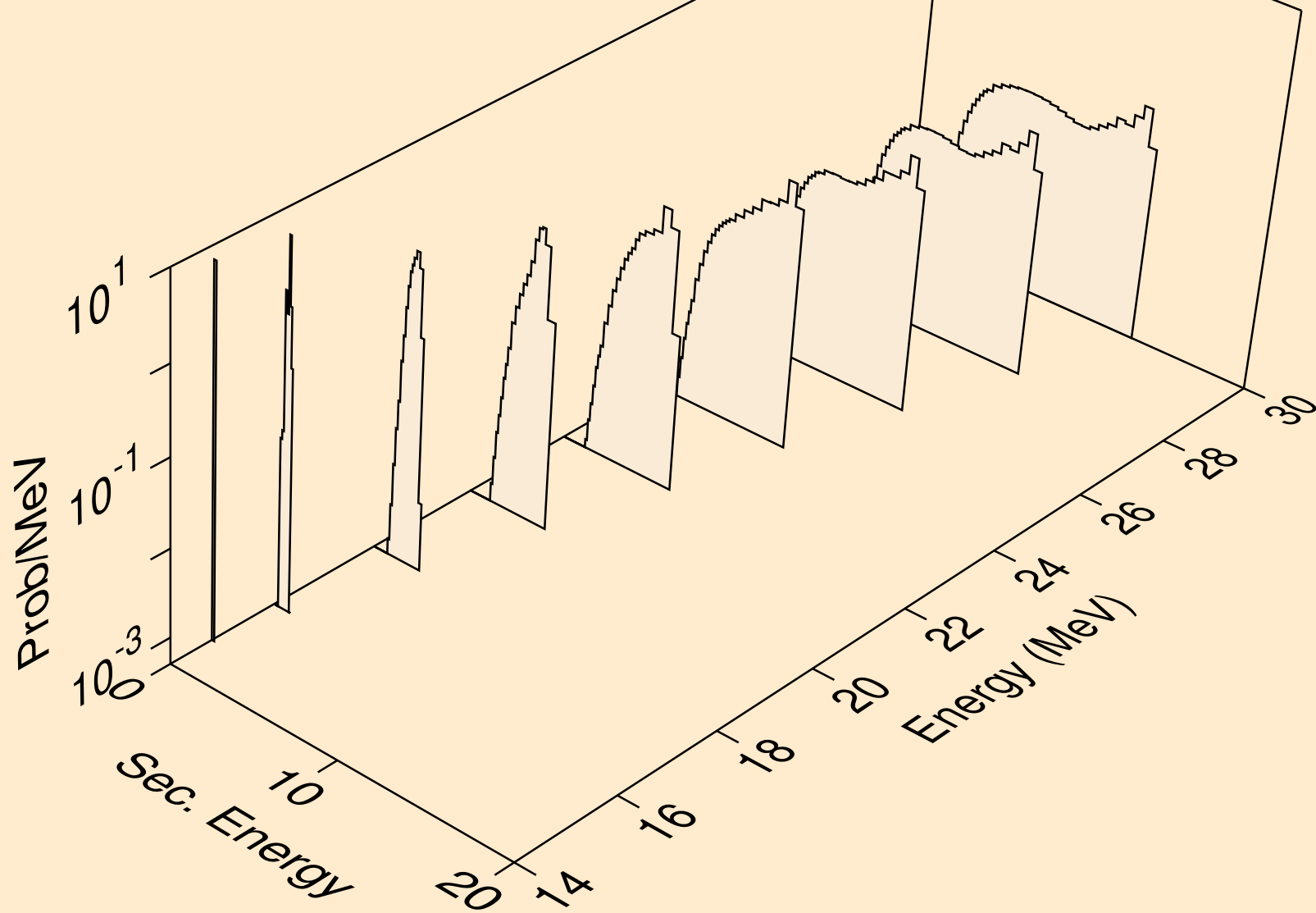
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,d)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,d2a)

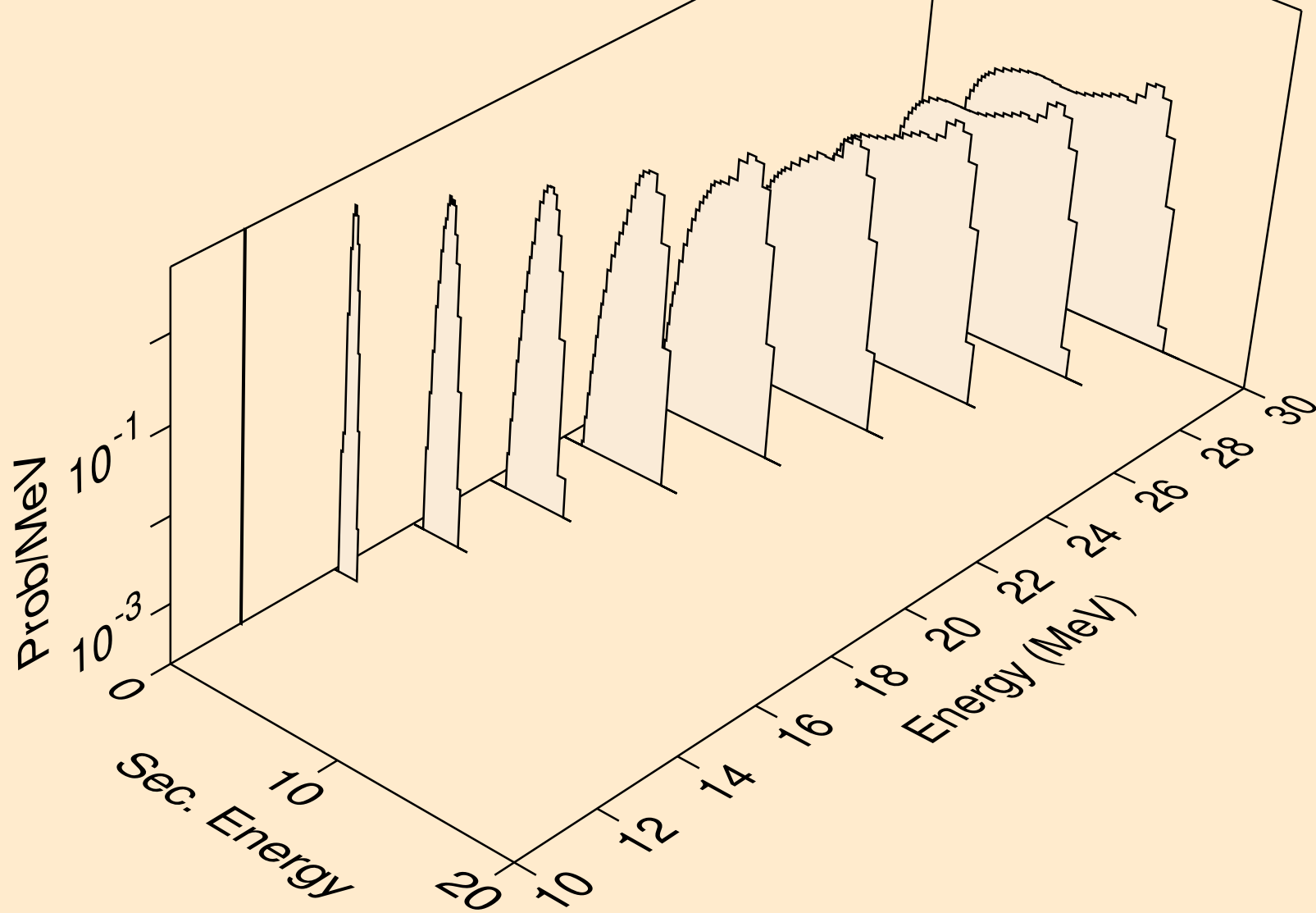


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,pd)

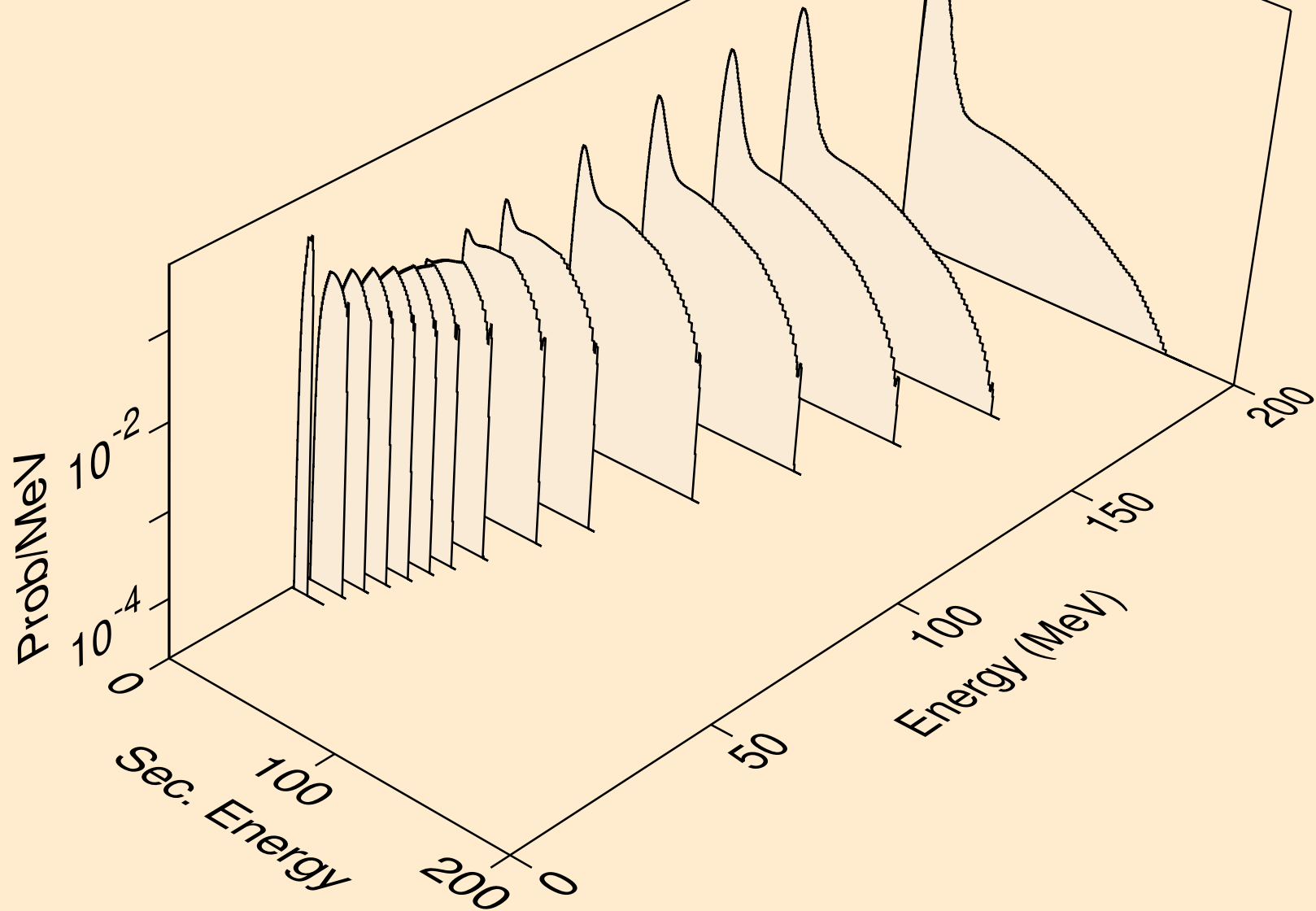




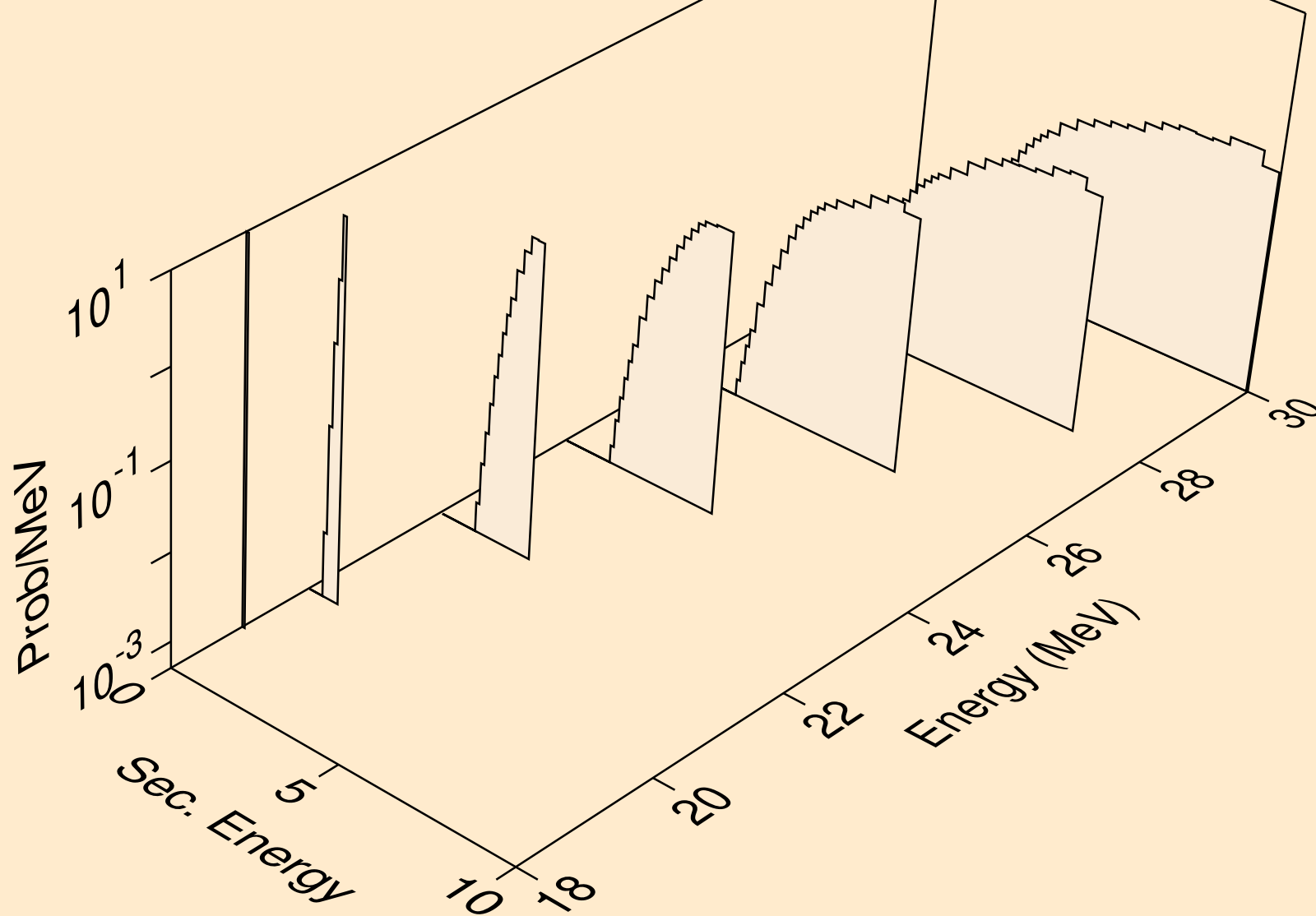
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
deuterons from (n,da)



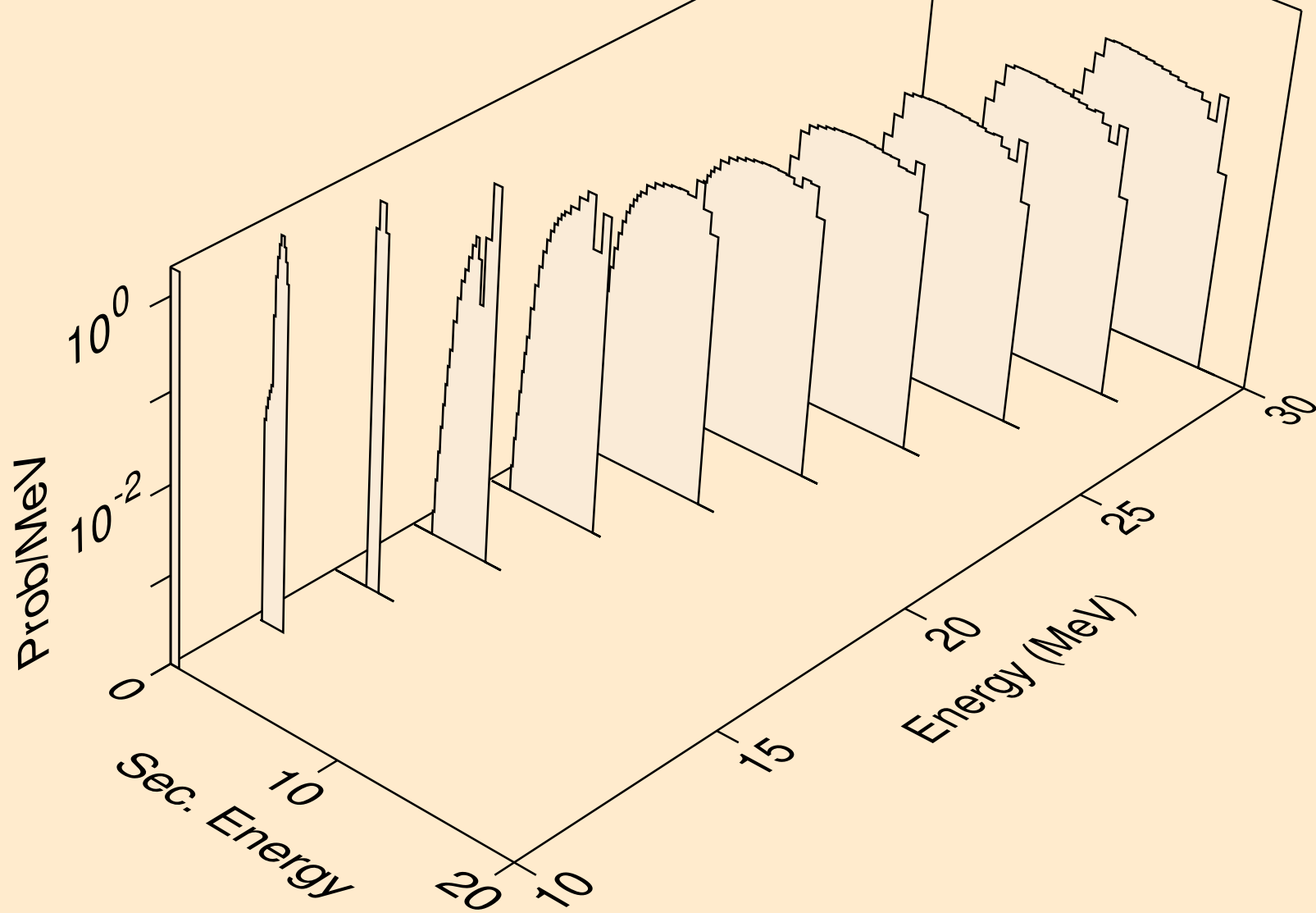
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
tritons from (n,x)



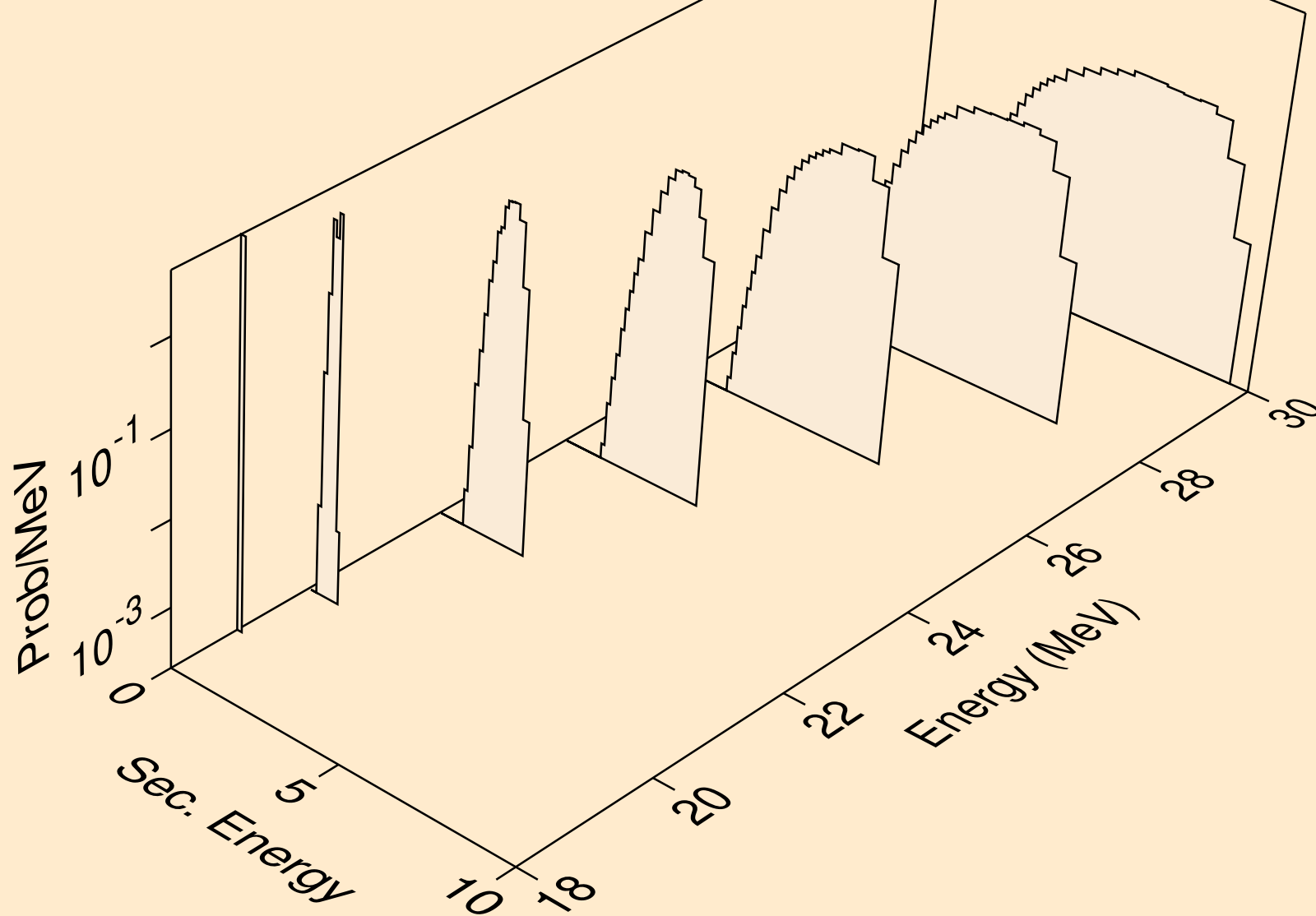
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
tritons from (n,n\*)t



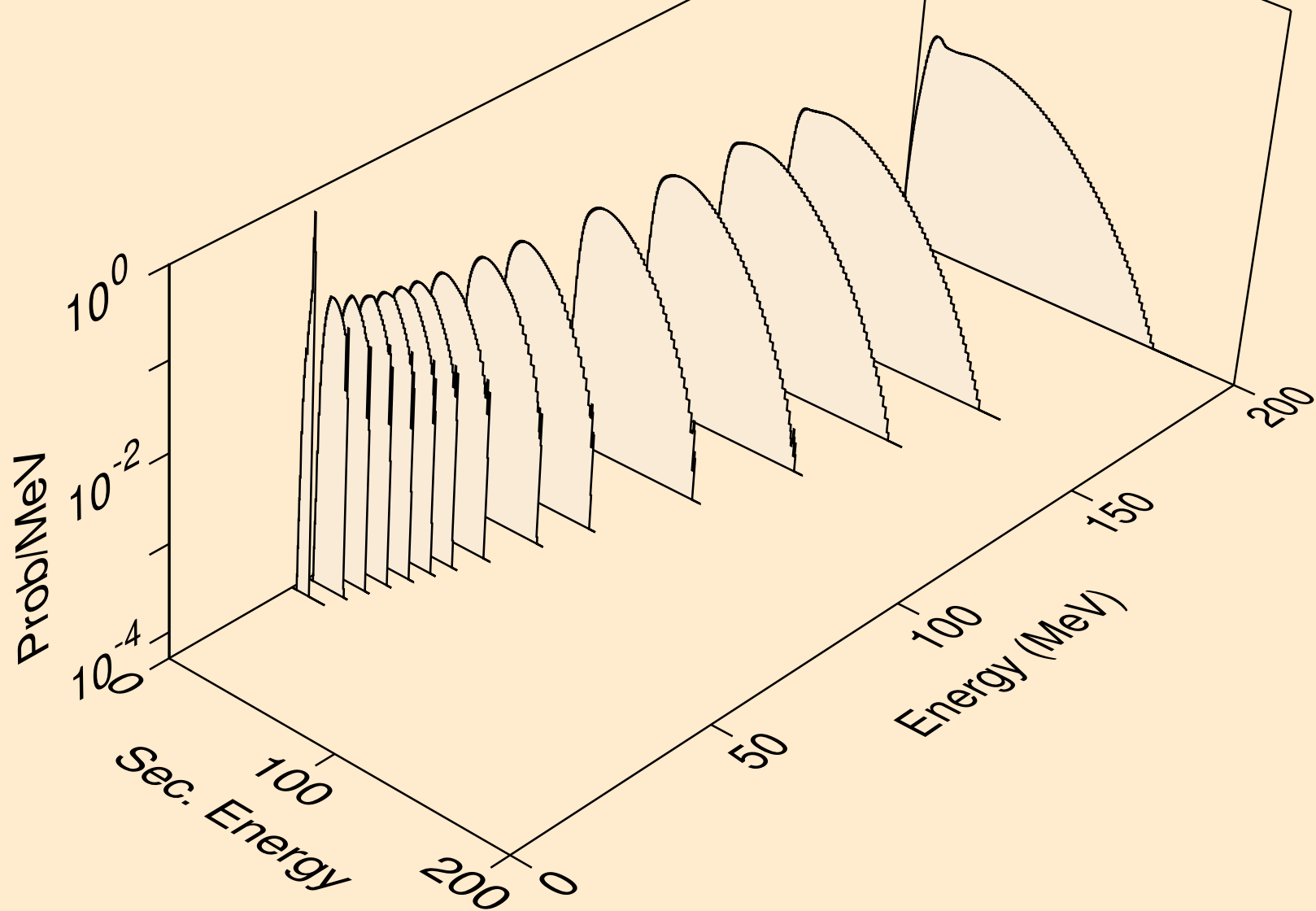
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
tritons from (n,t)



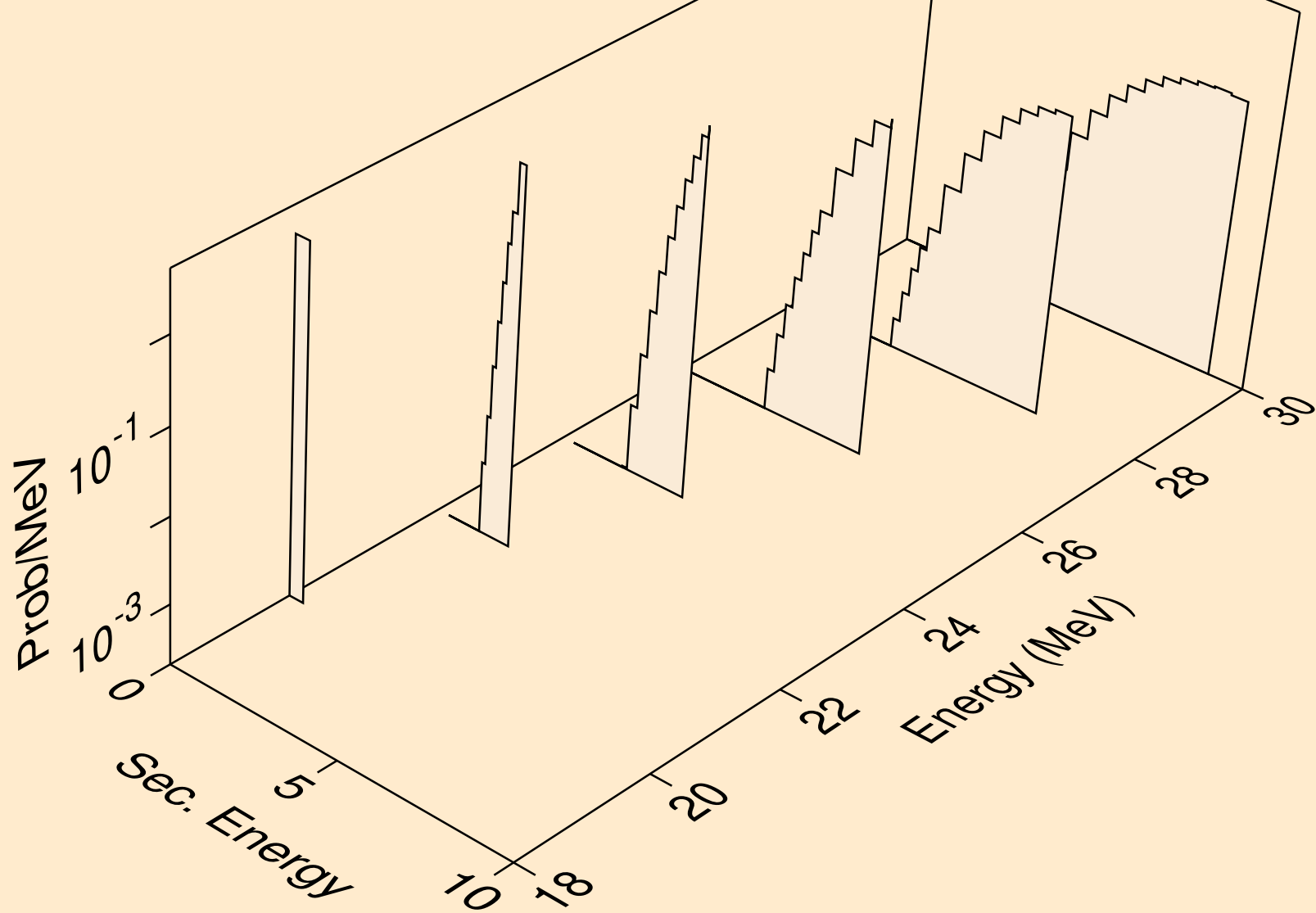
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tritons from (n,pt)



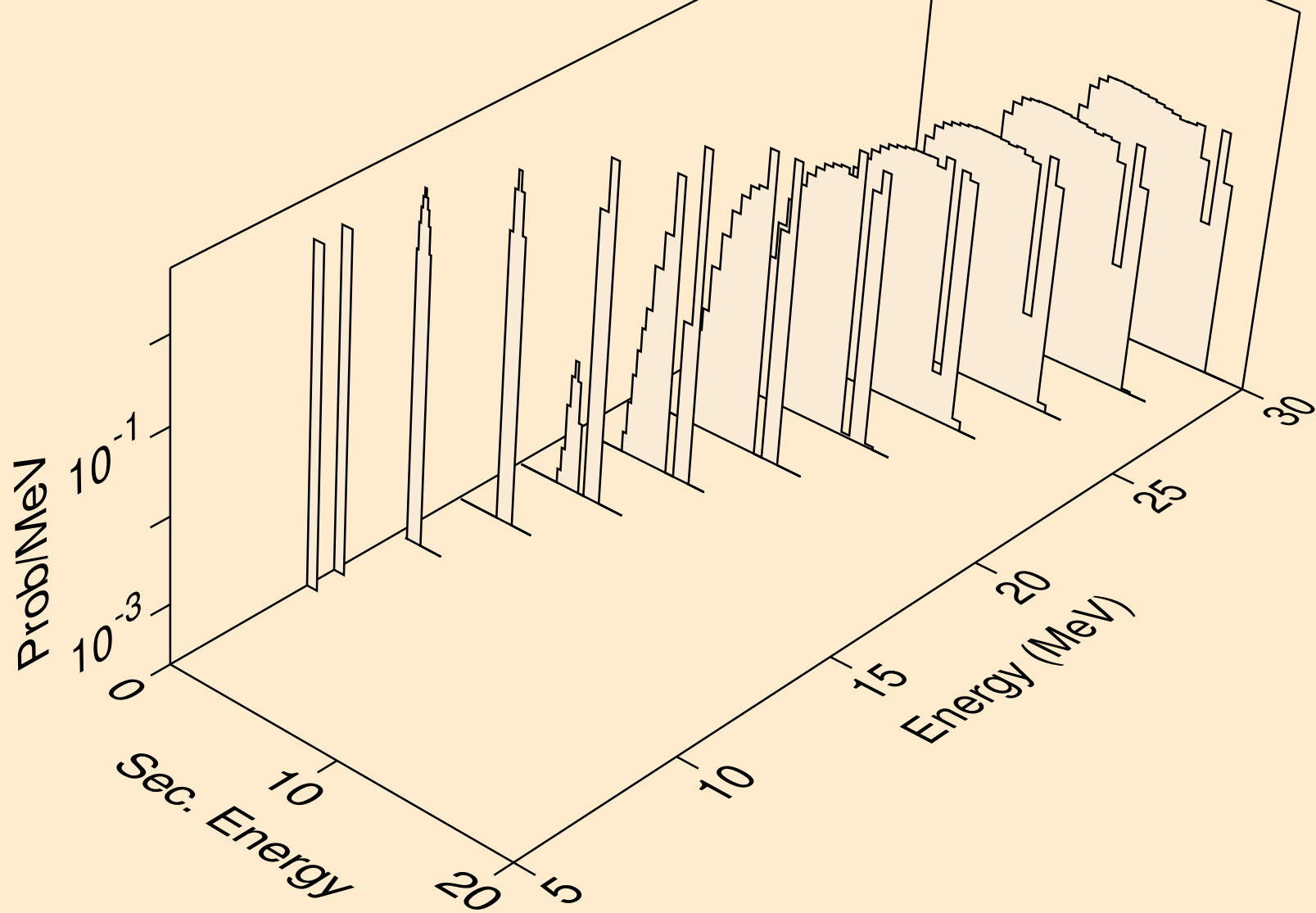
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
he3s from (n,x)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
he3s from (n,n\*)he3

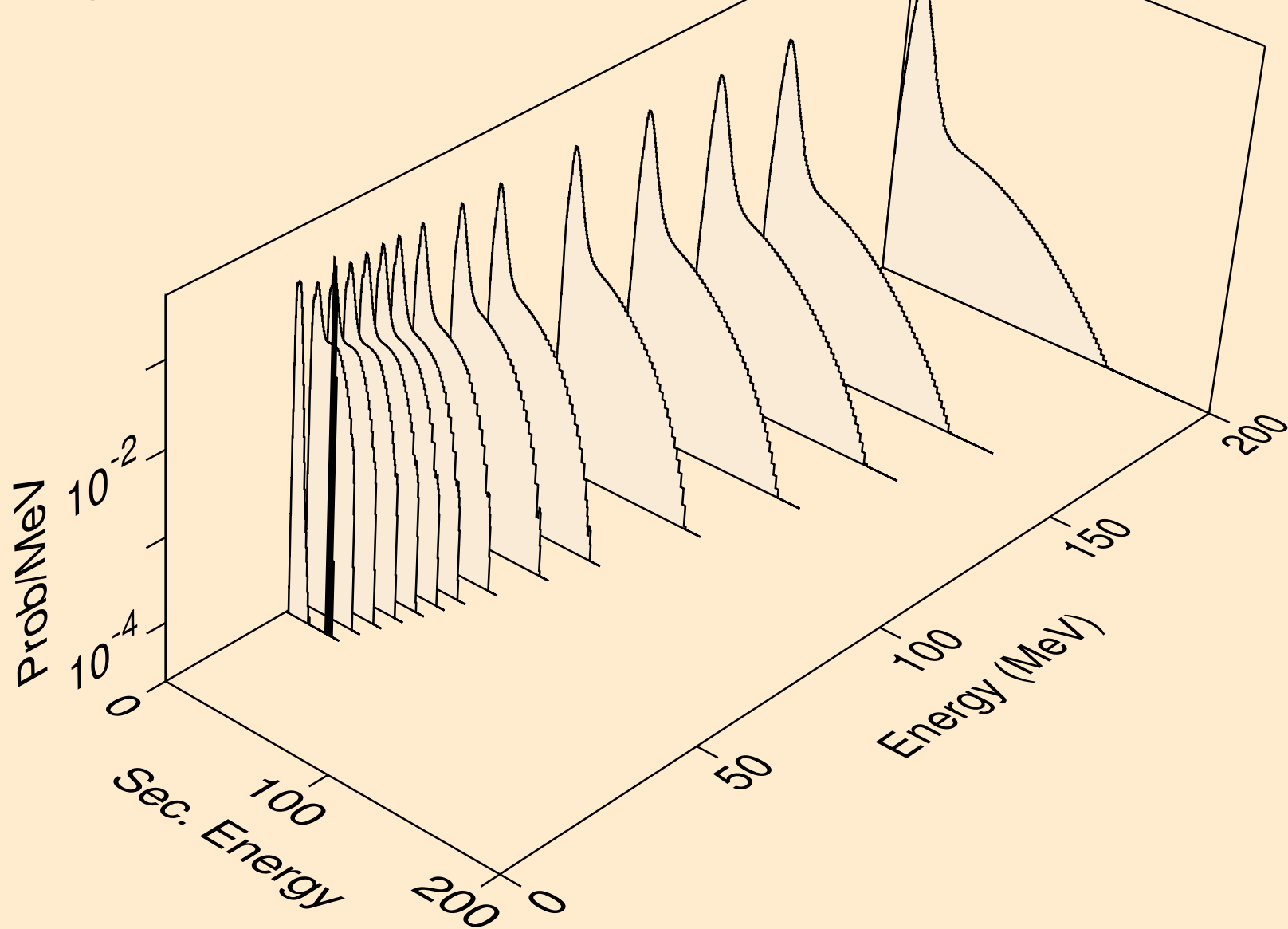


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
he3s from (n,he3)

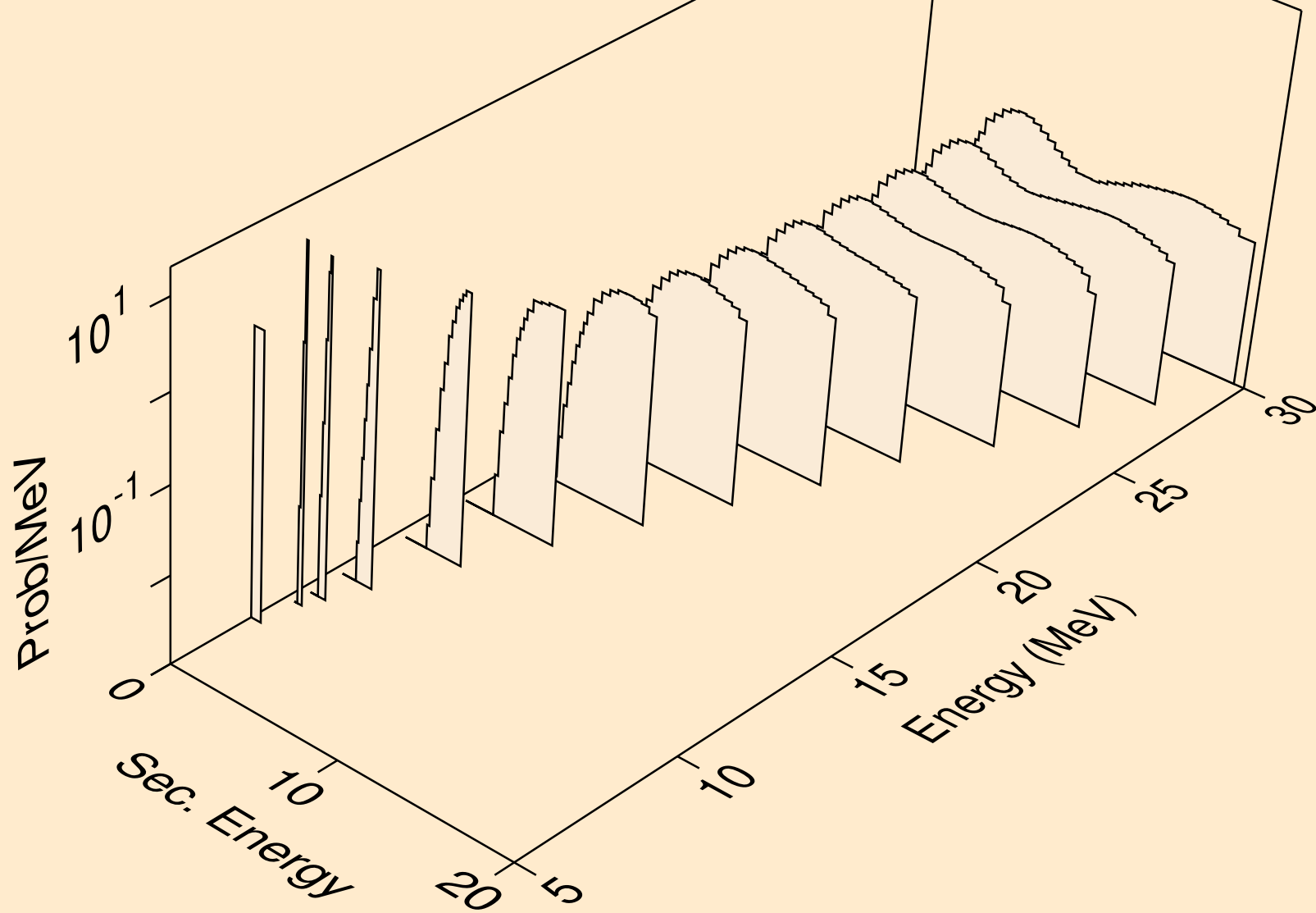




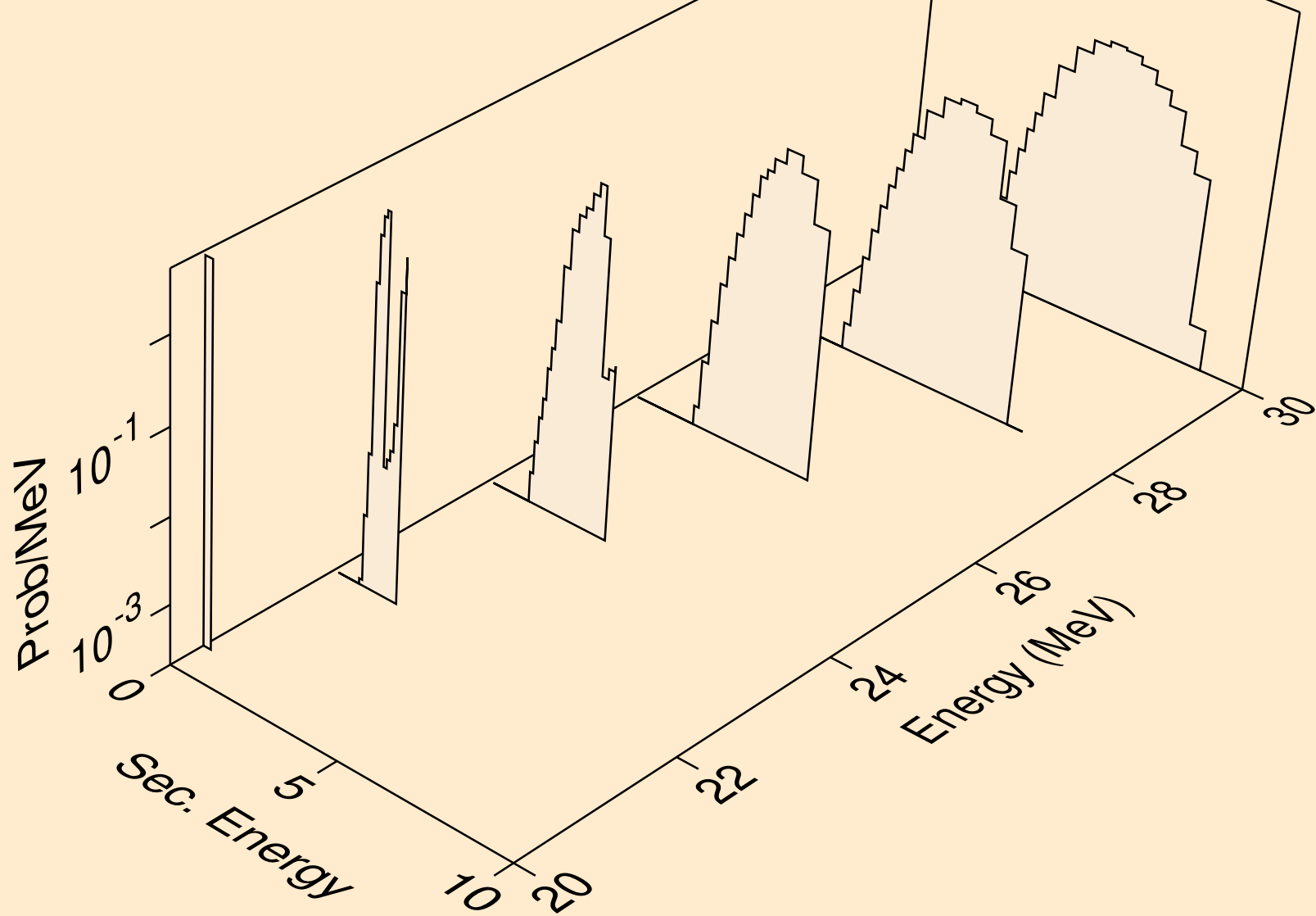
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,x)



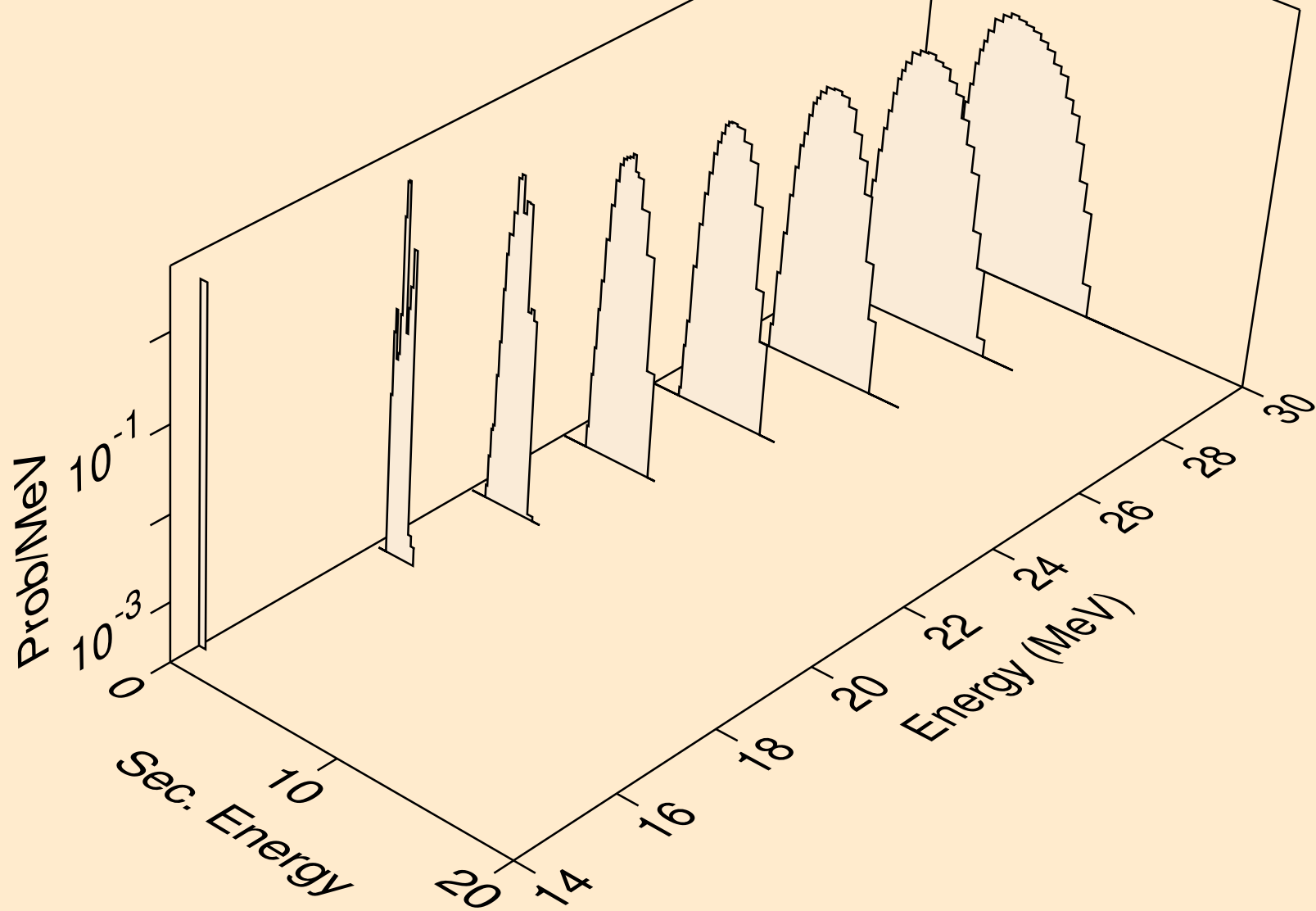
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,n\*)a



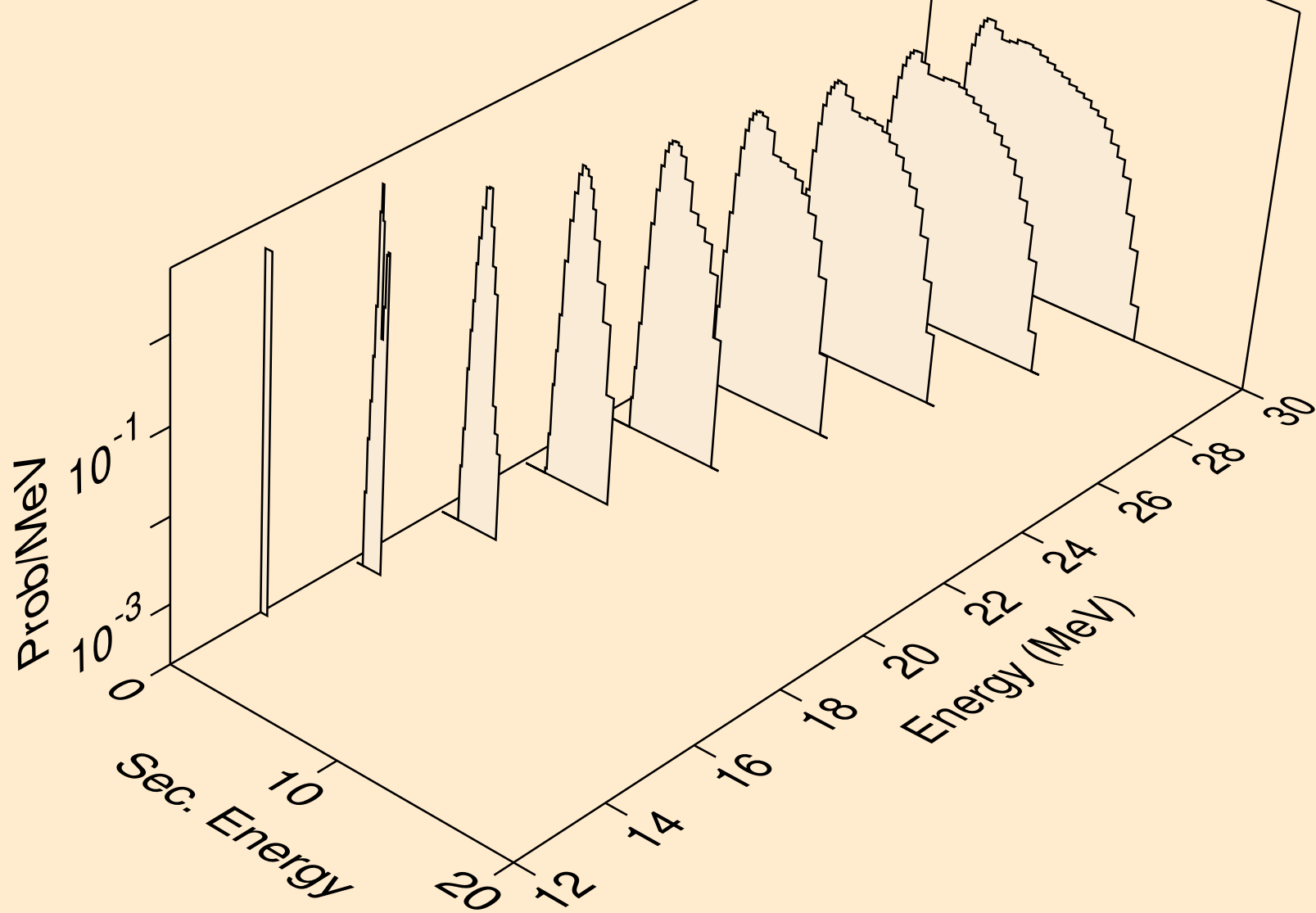
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,2n)a



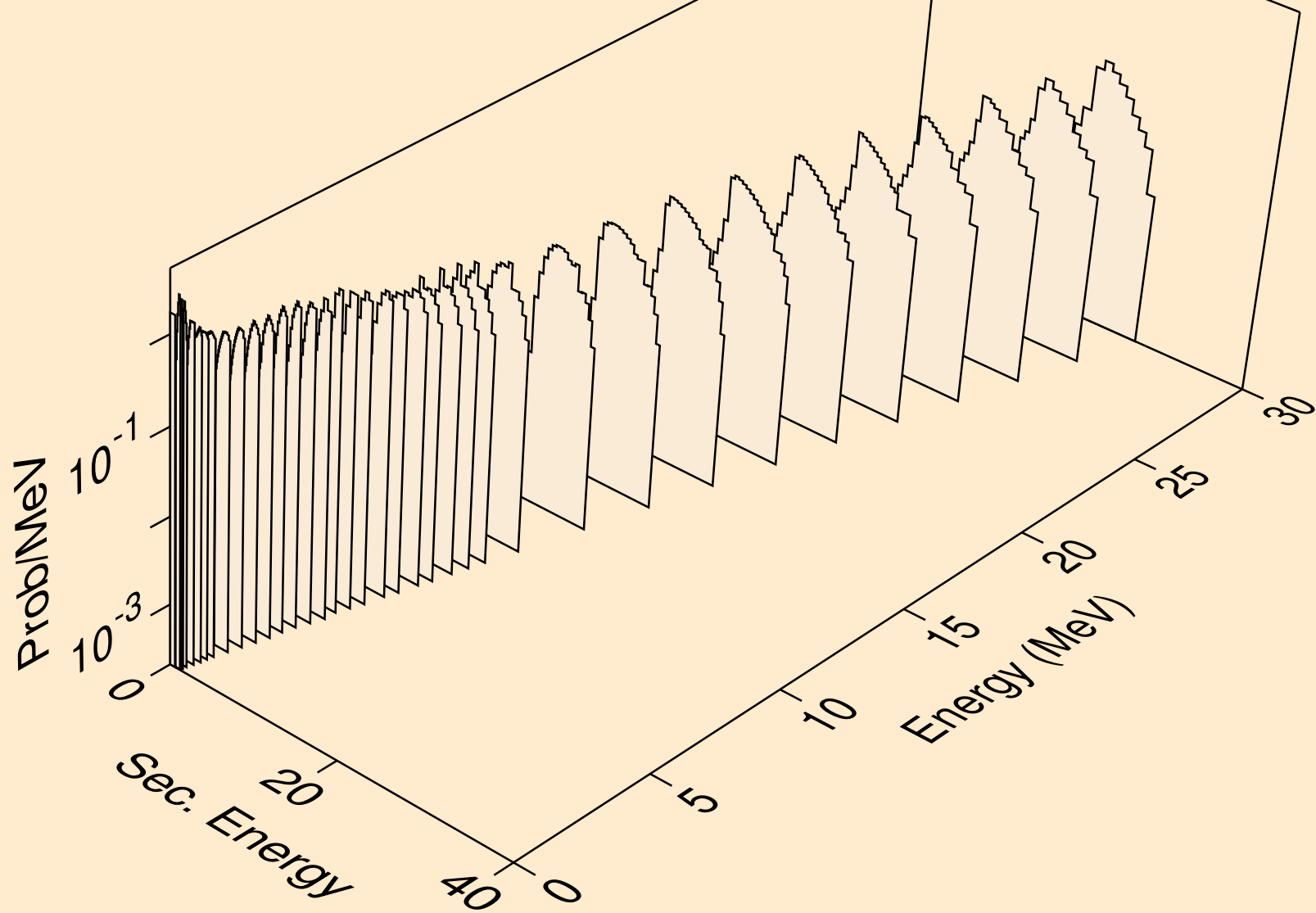
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,n\*)2a



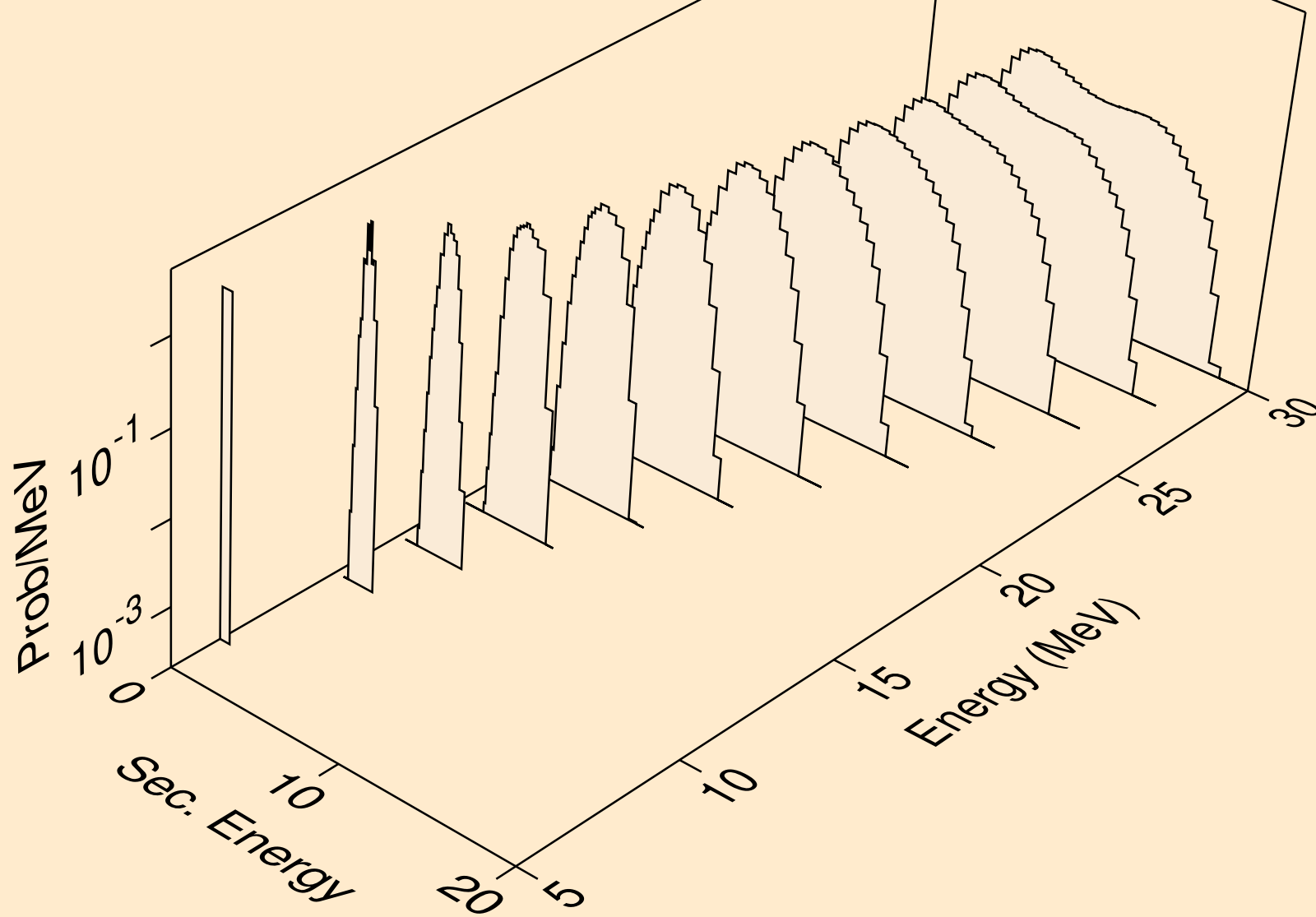
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,npa)



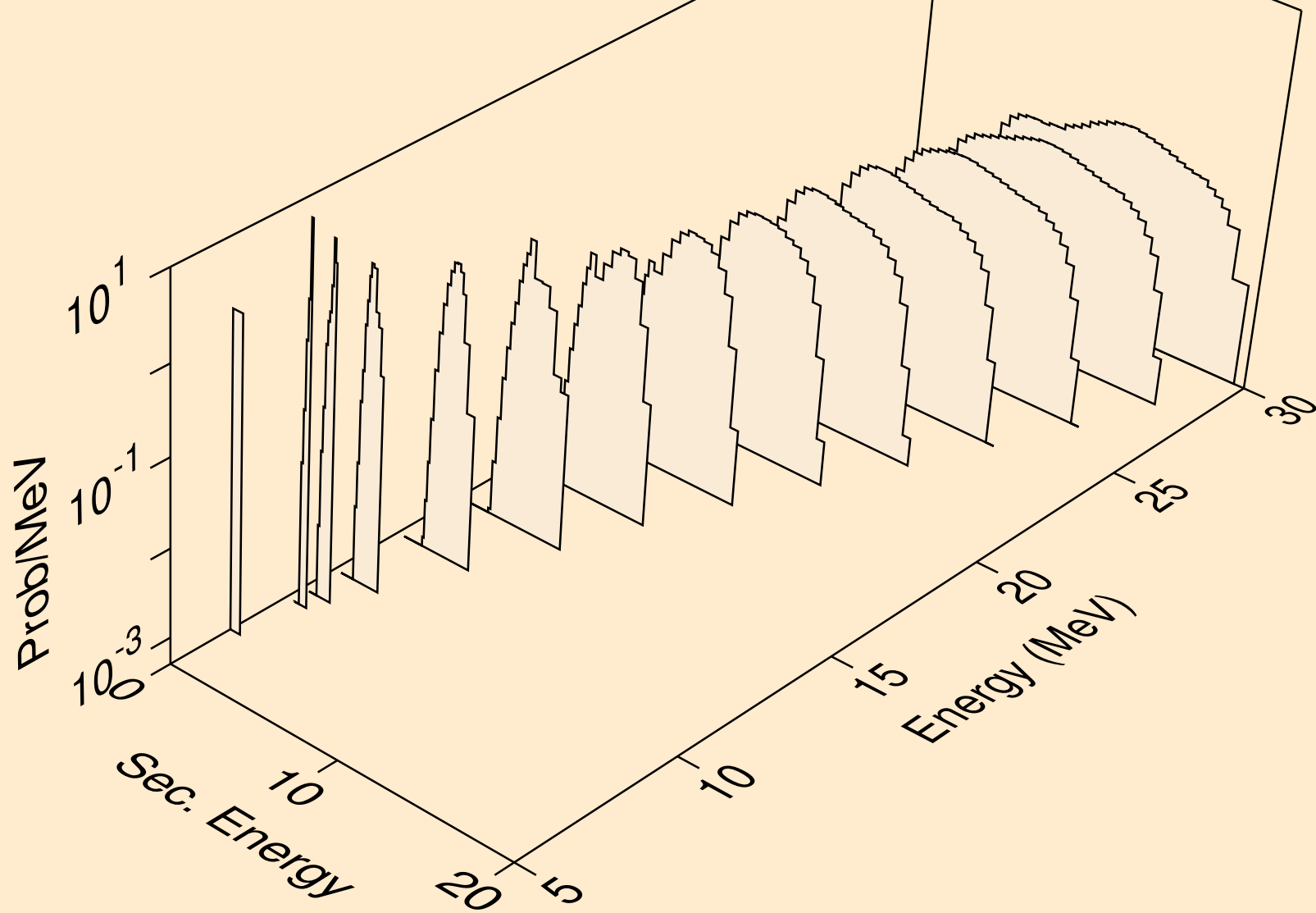
19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,a)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,2a)

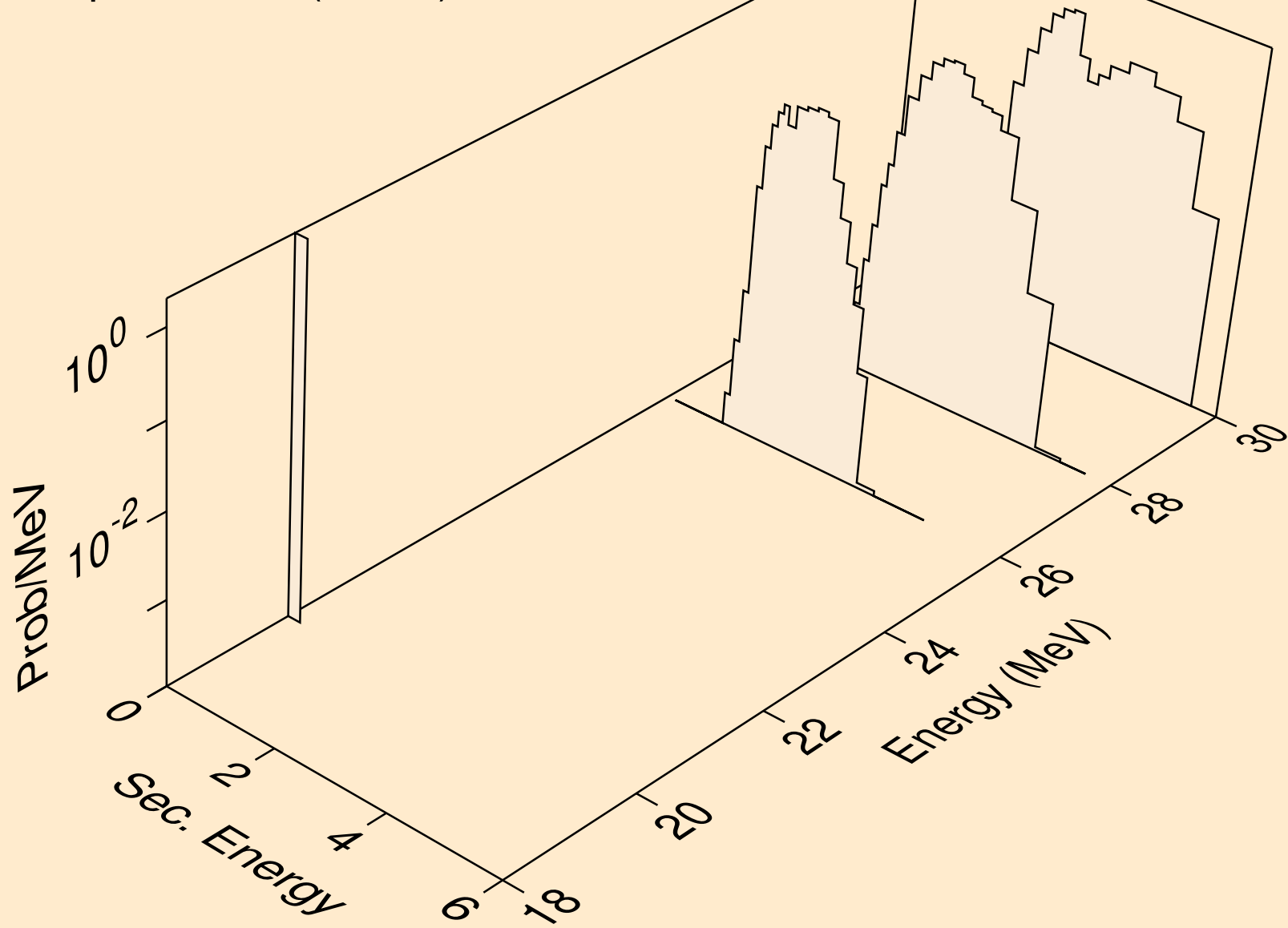


19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,pa)





19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,d2a)



19-K-39 FOR FENDL-3.1 FROM TENDL-2015 WITH NJOY2012.82+  
alphas from (n,da)

