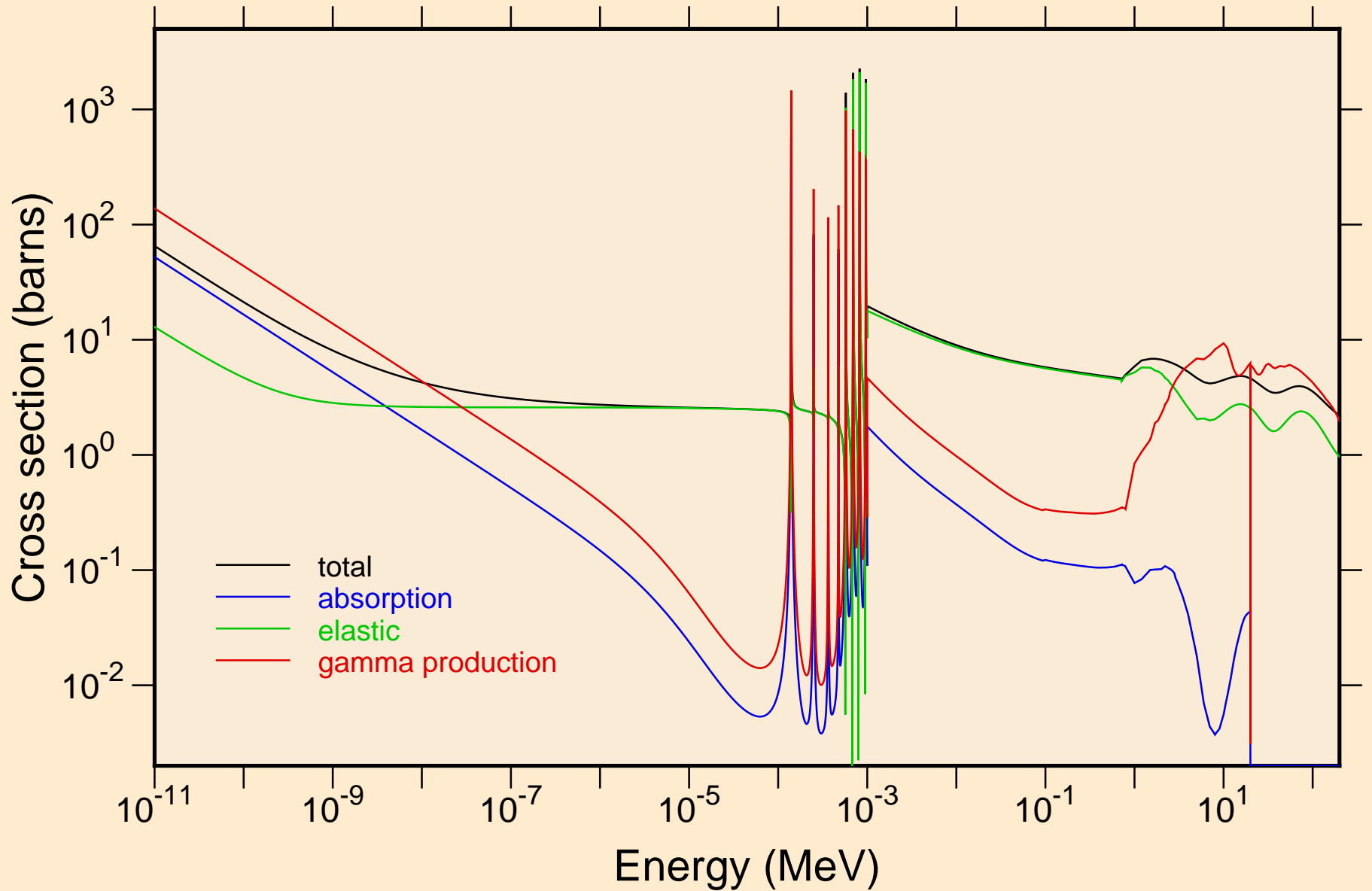
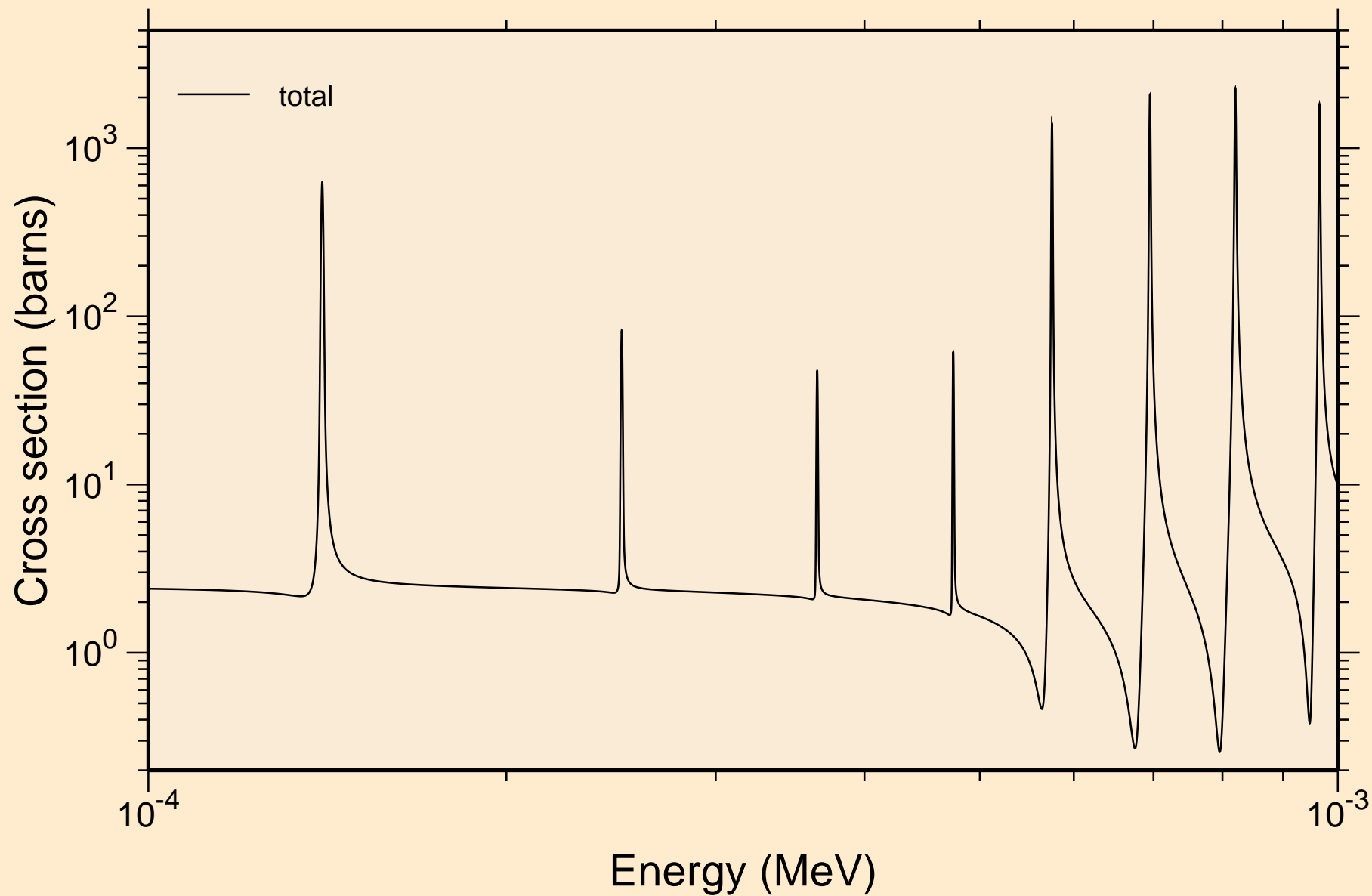


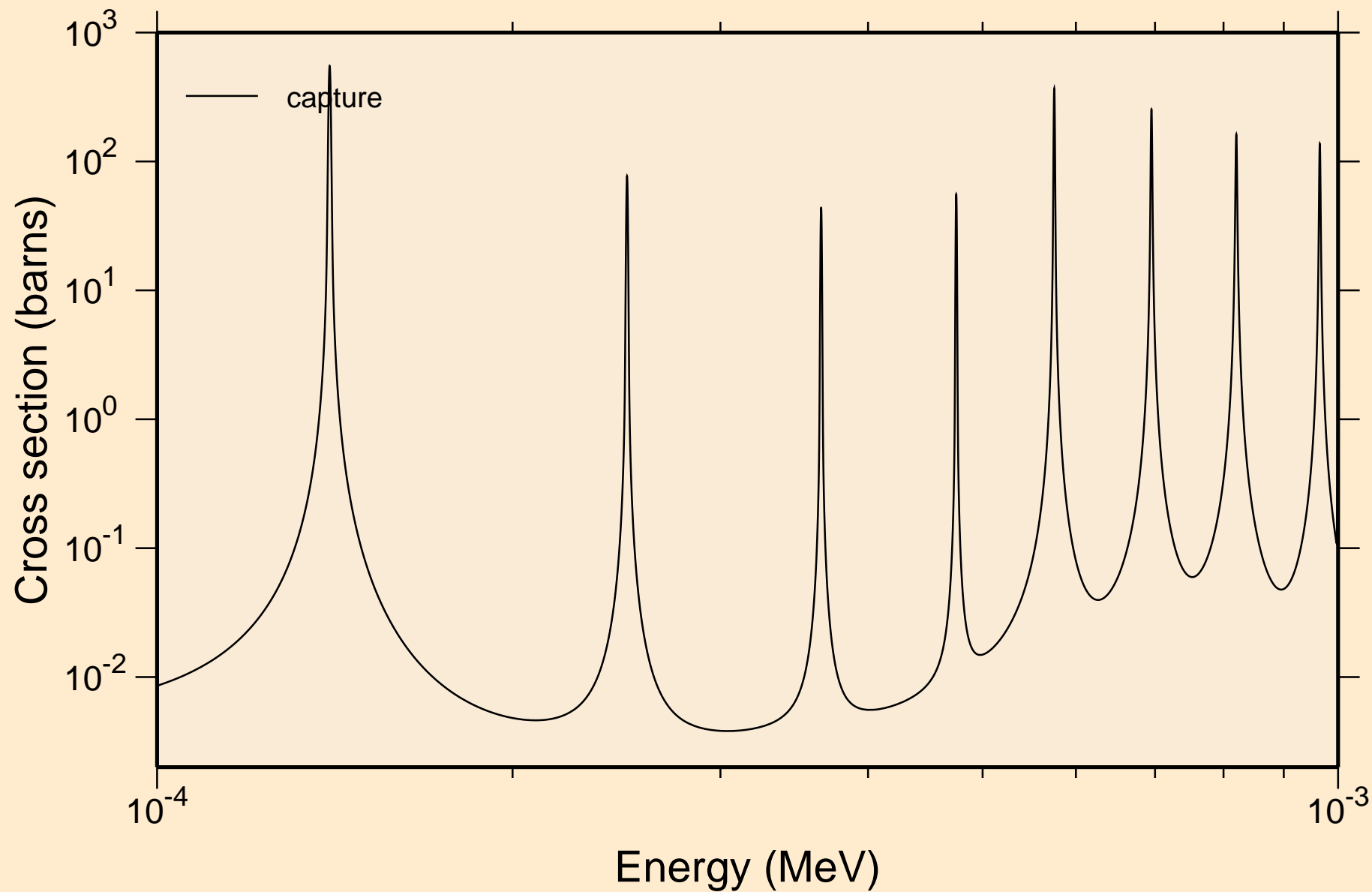
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Principal cross sections



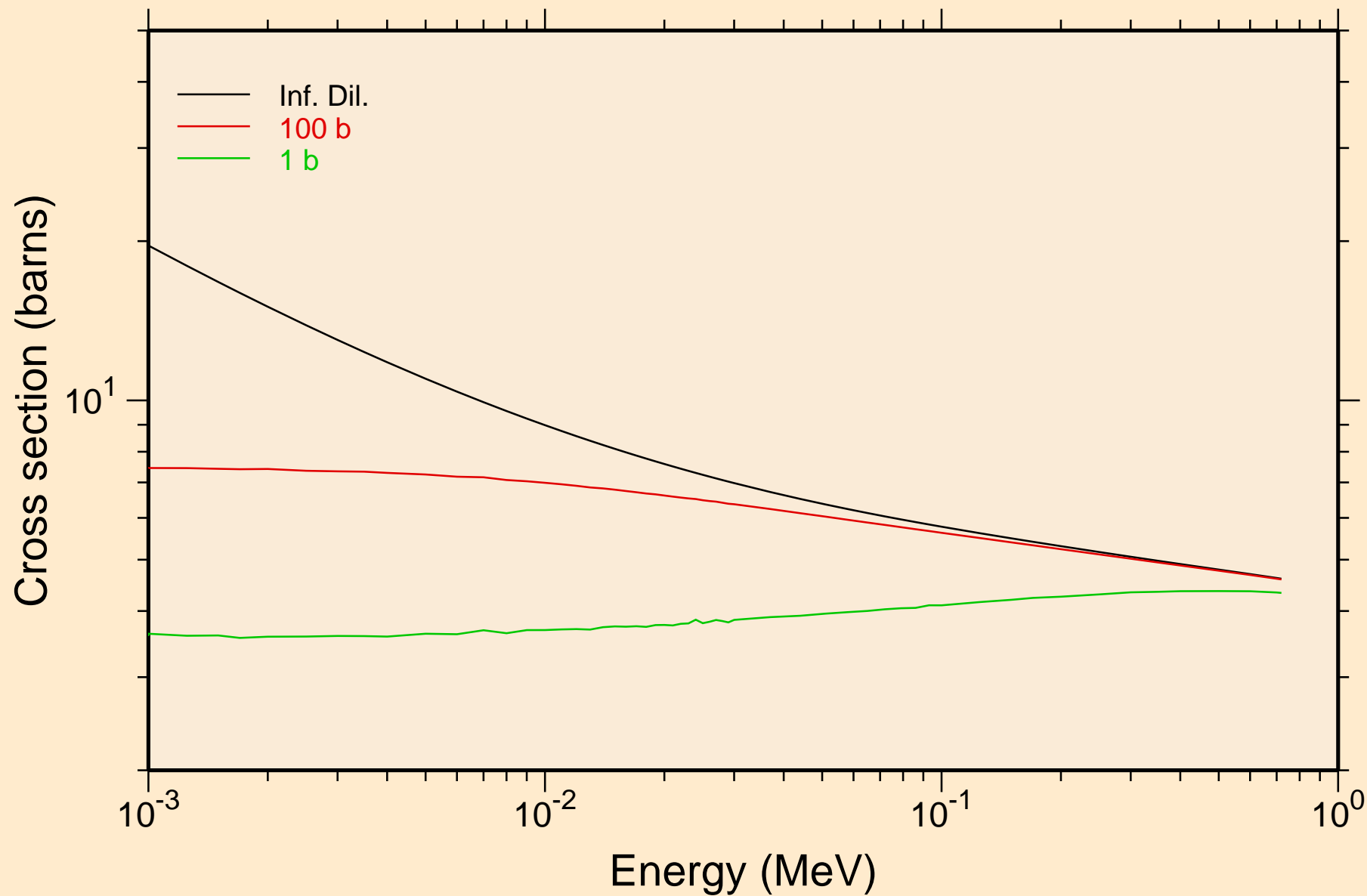
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
resonance total cross section



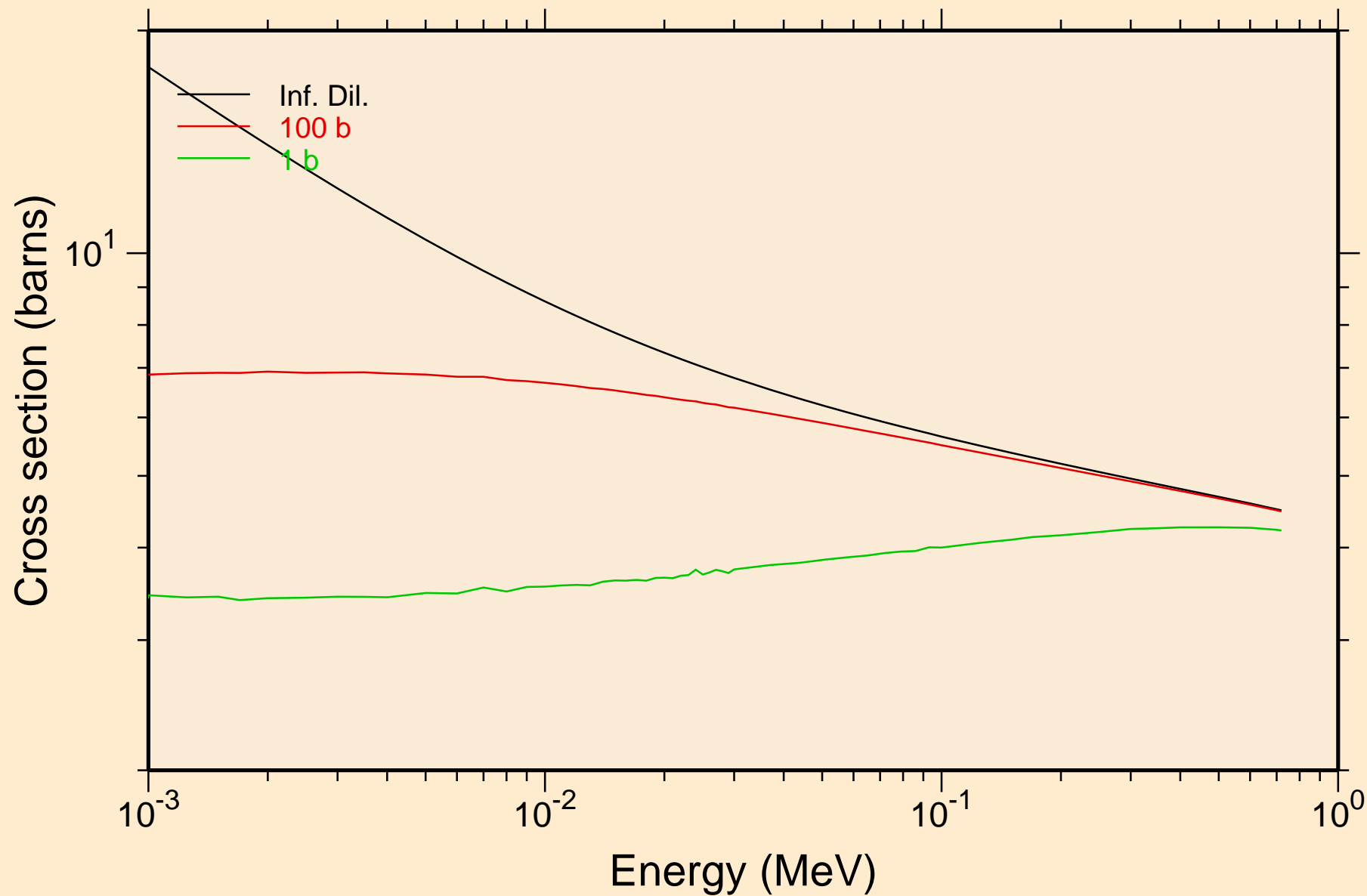
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
resonance absorption cross sections



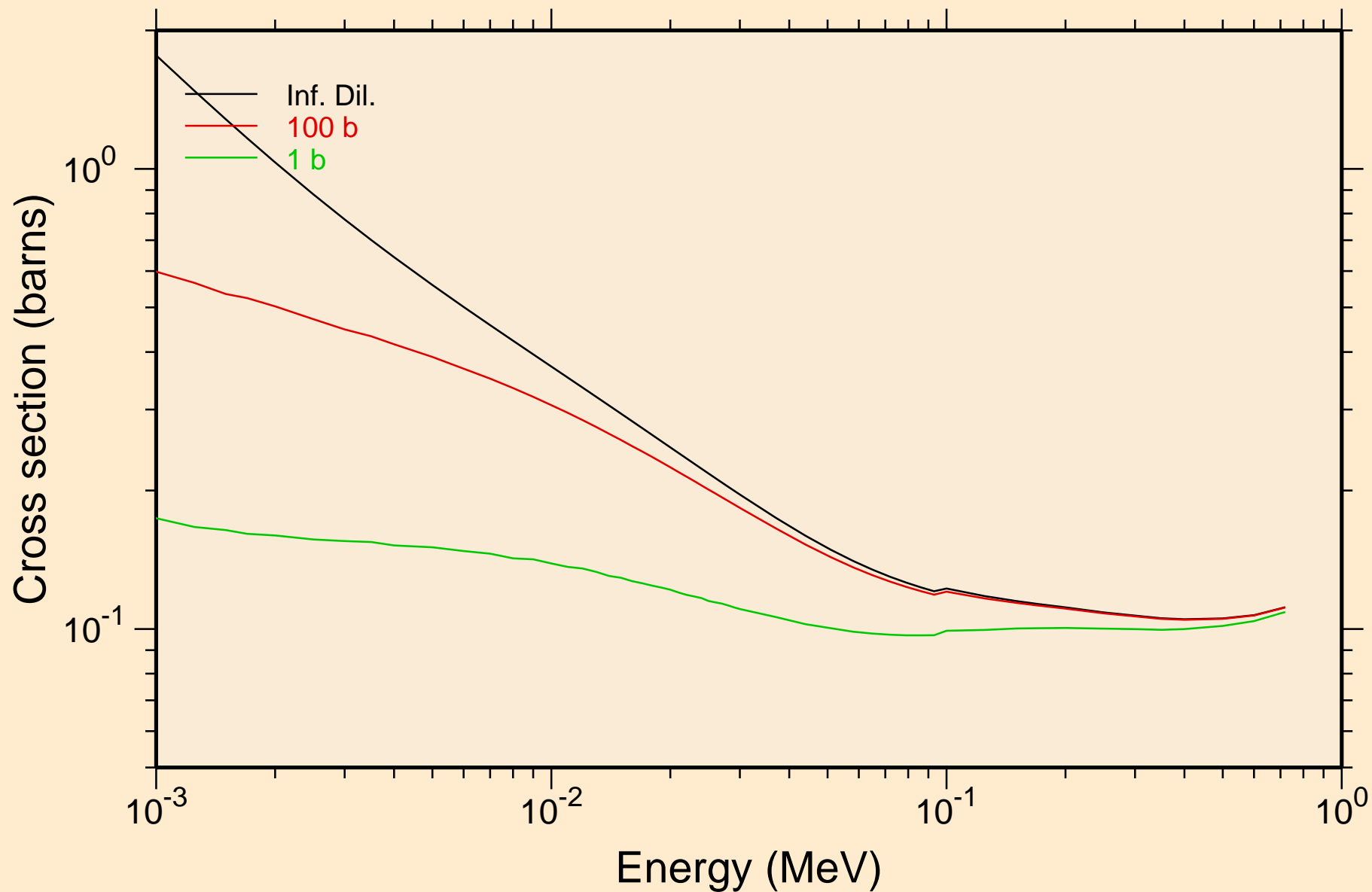
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
UR total cross section



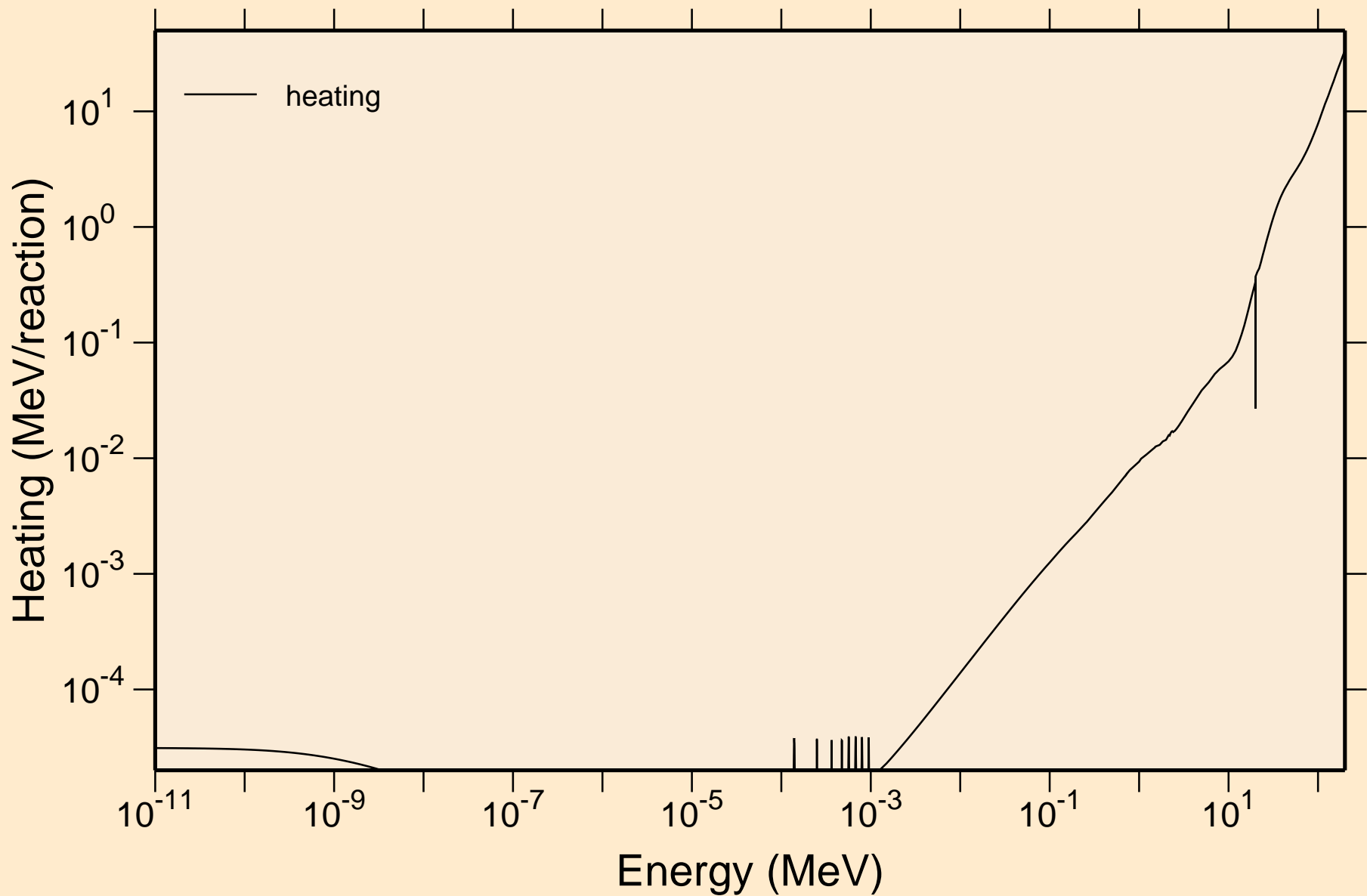
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
UR elastic cross section



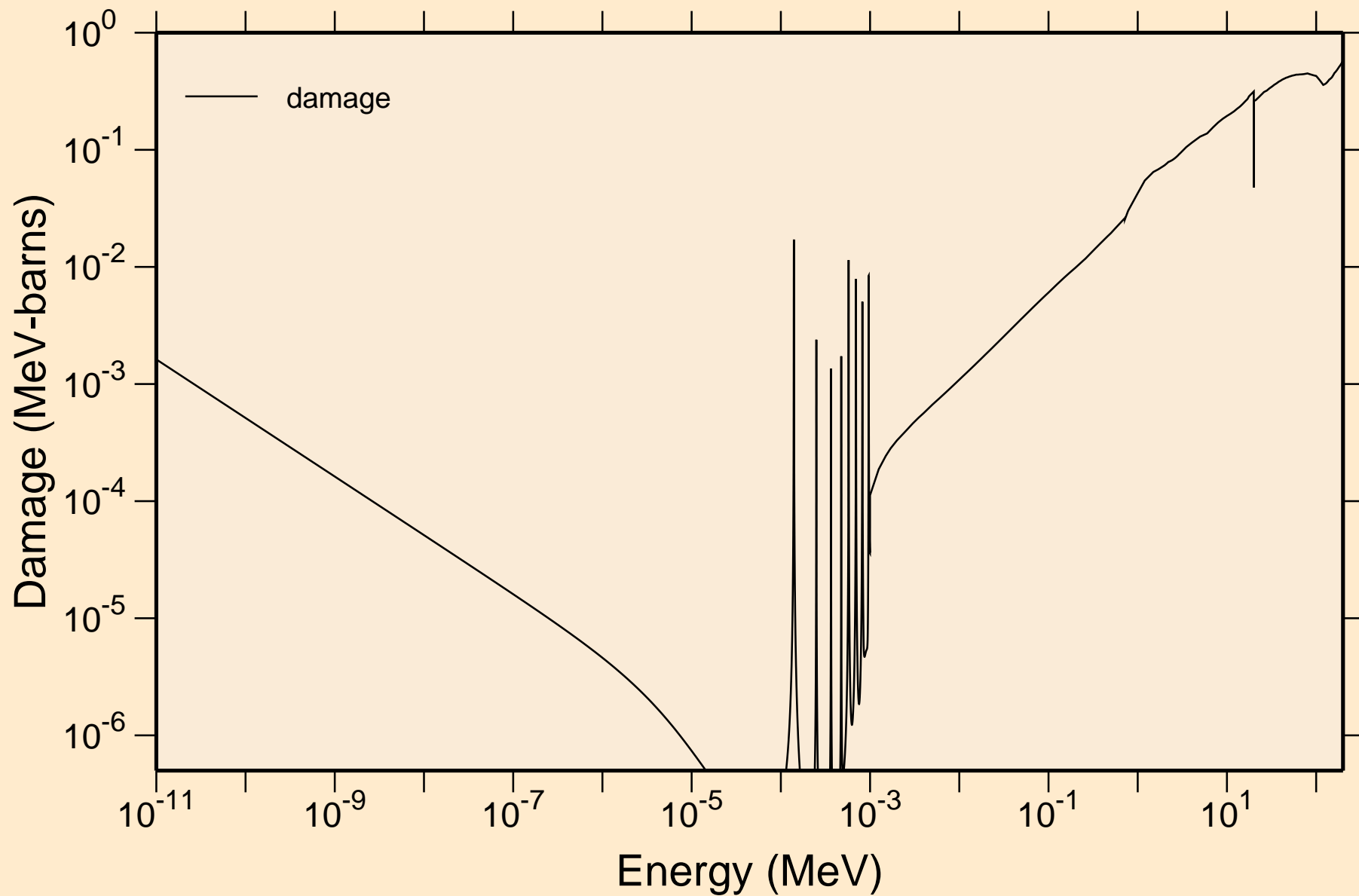
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
UR capture cross section



# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50 Heating

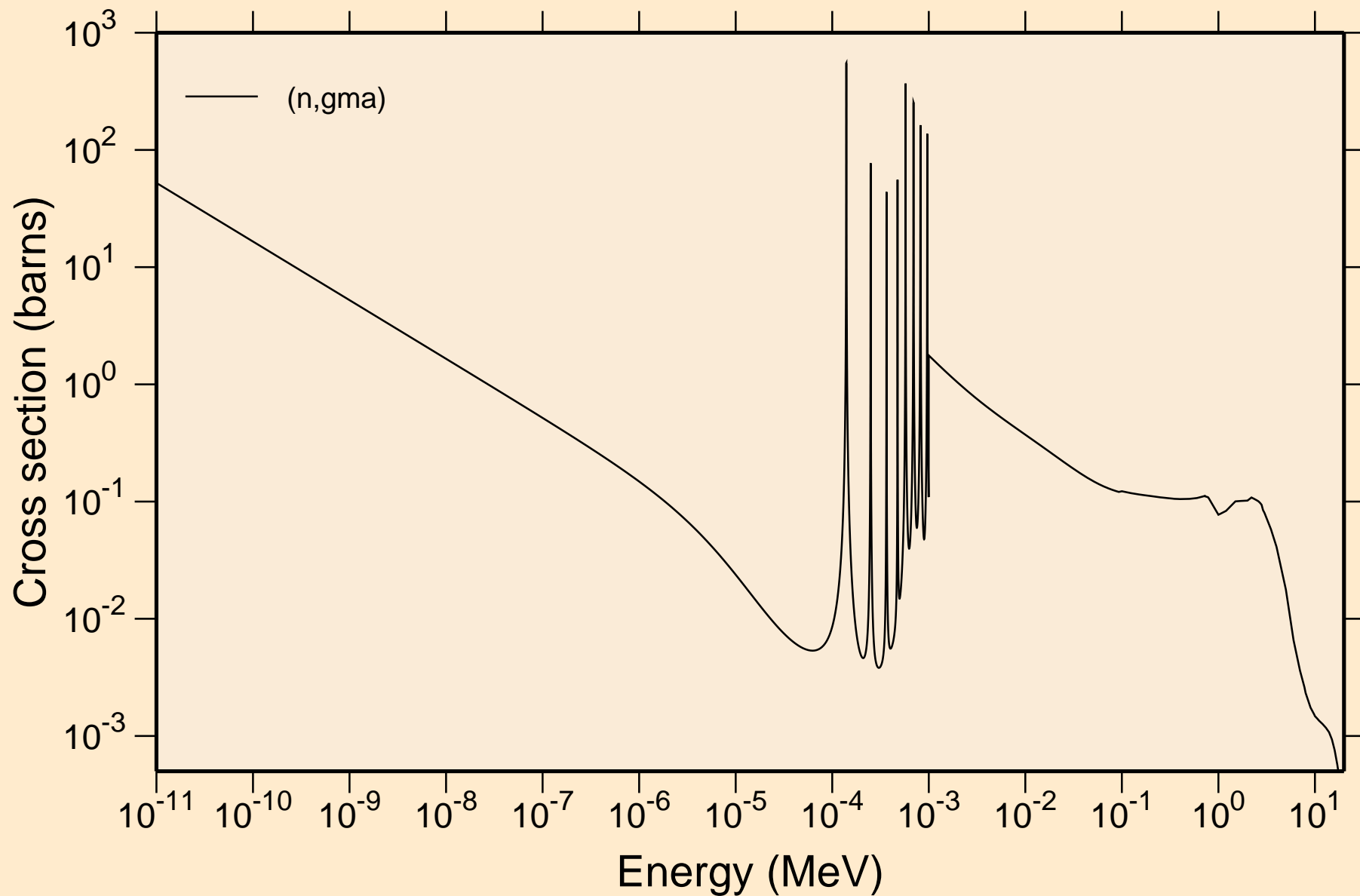


# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50 Damage



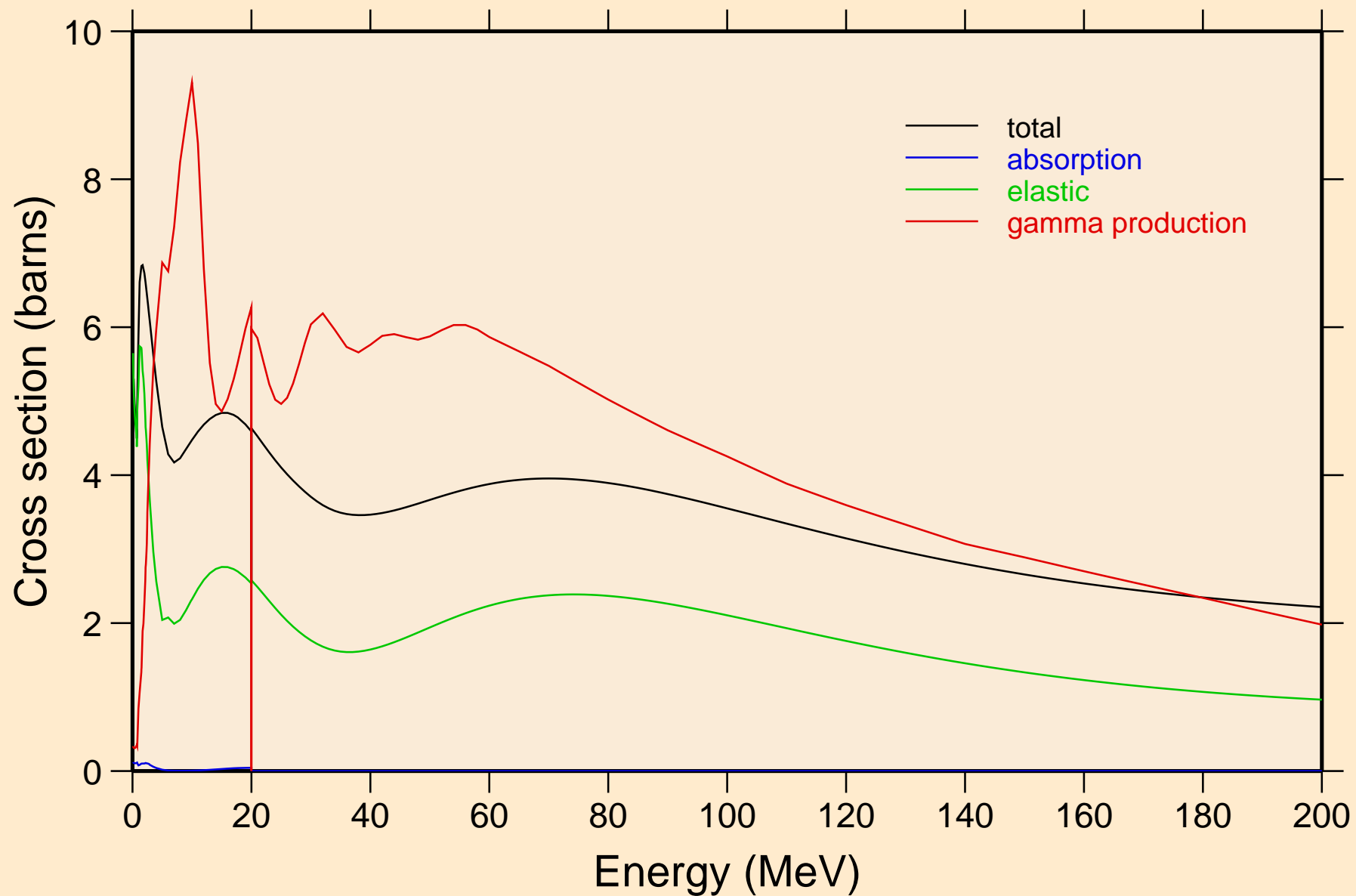


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Non-threshold reactions



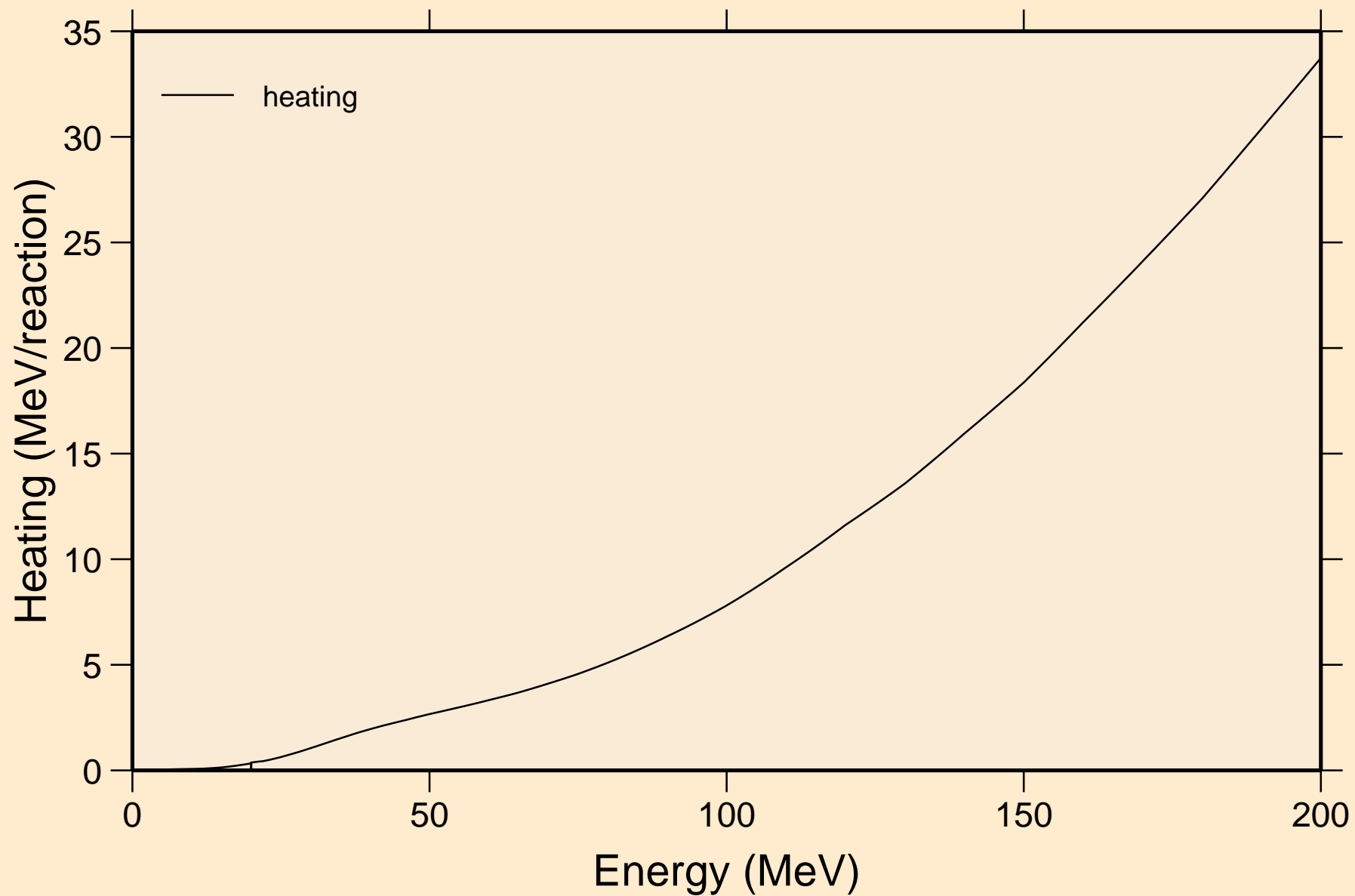
# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50

## Principal cross sections

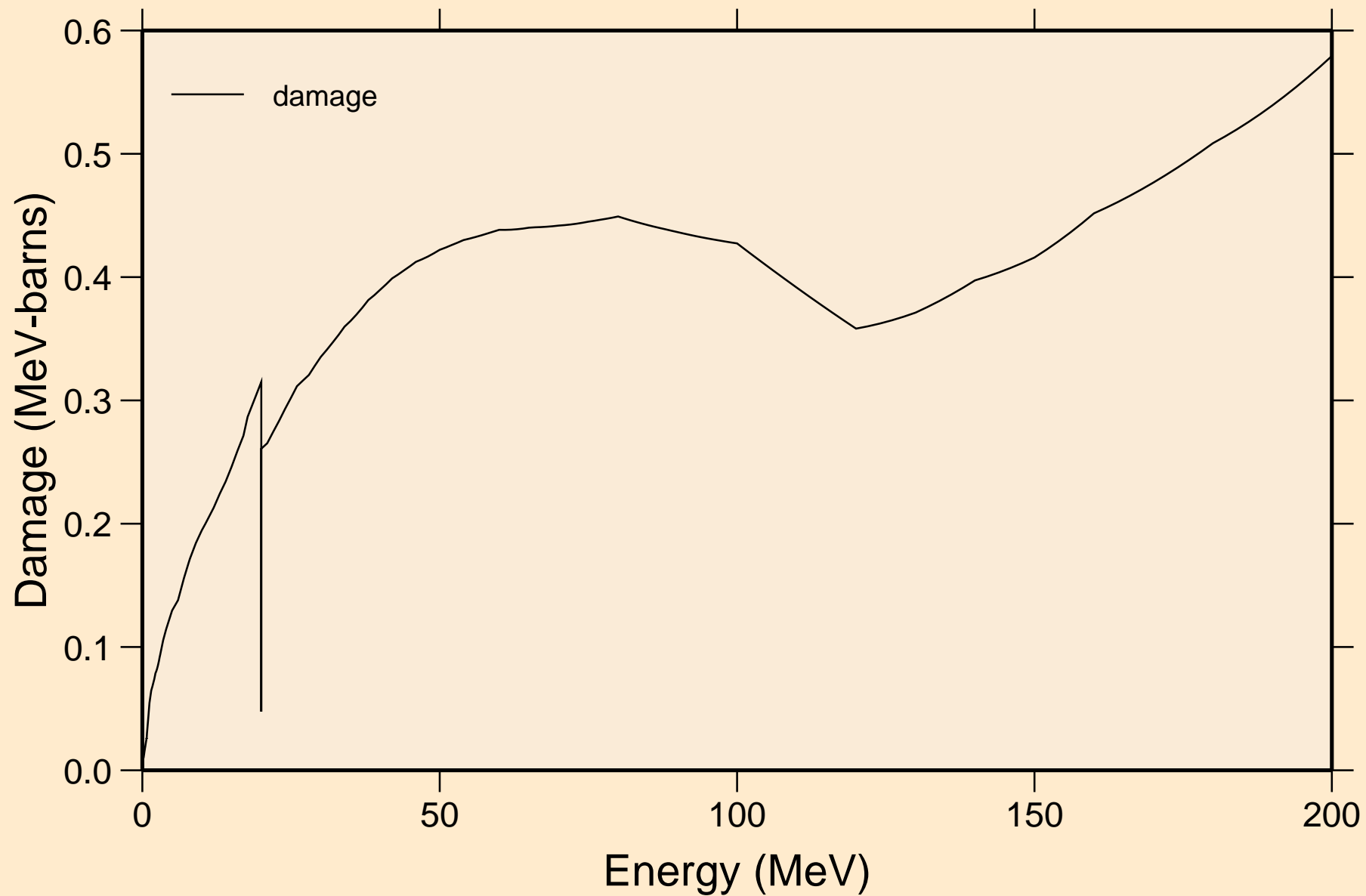


# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50

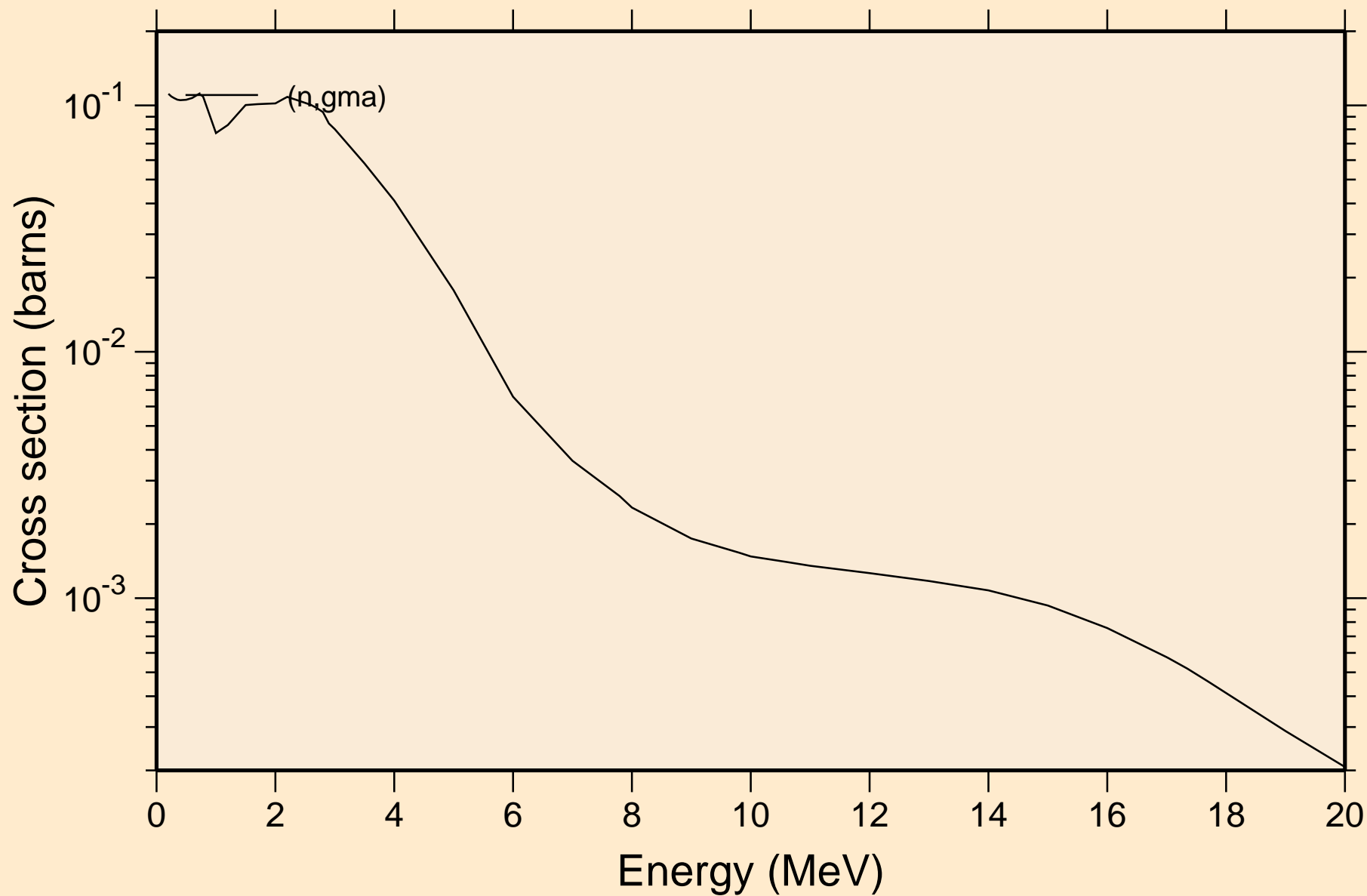
## Heating



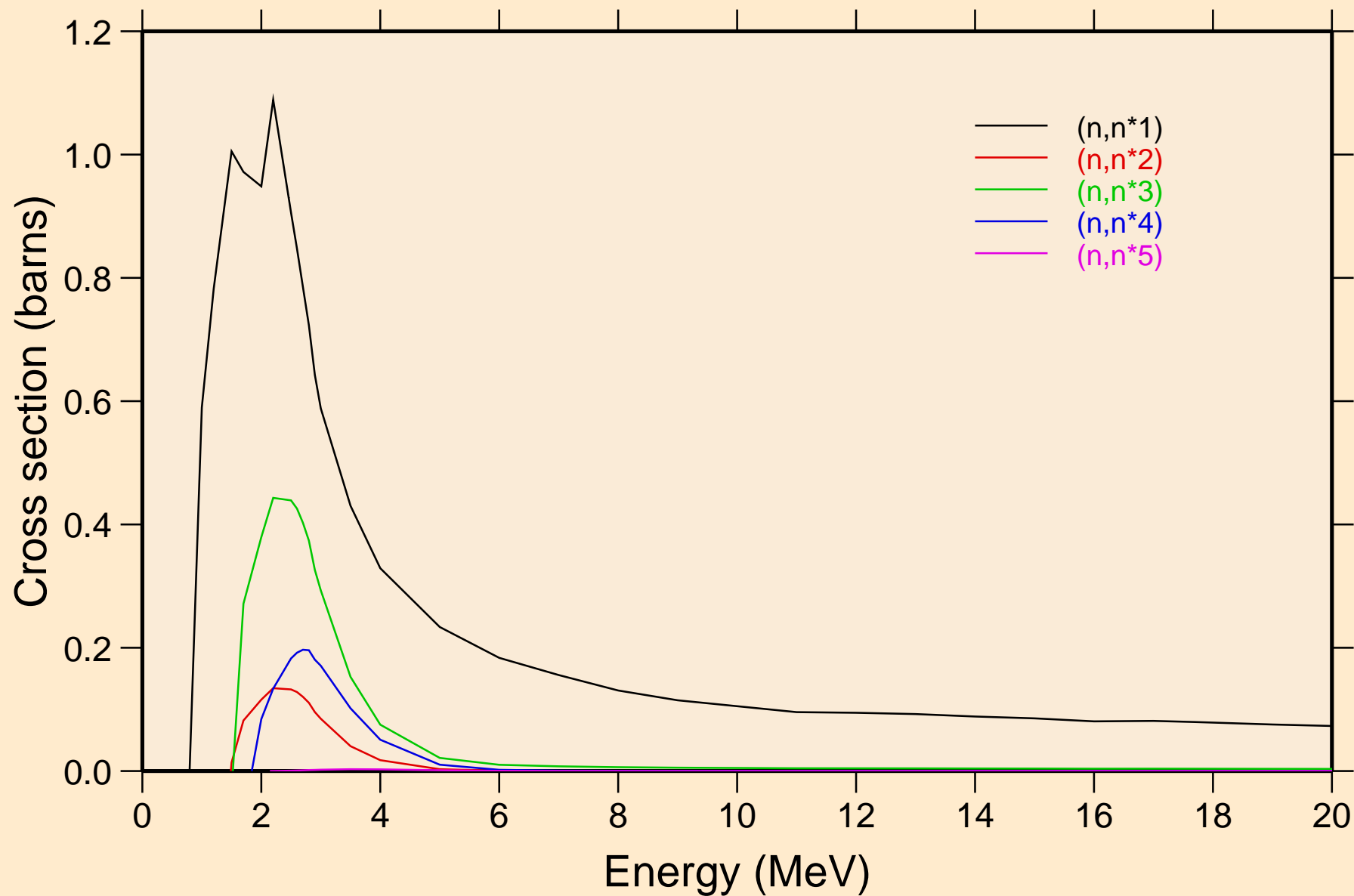
# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50 Damage



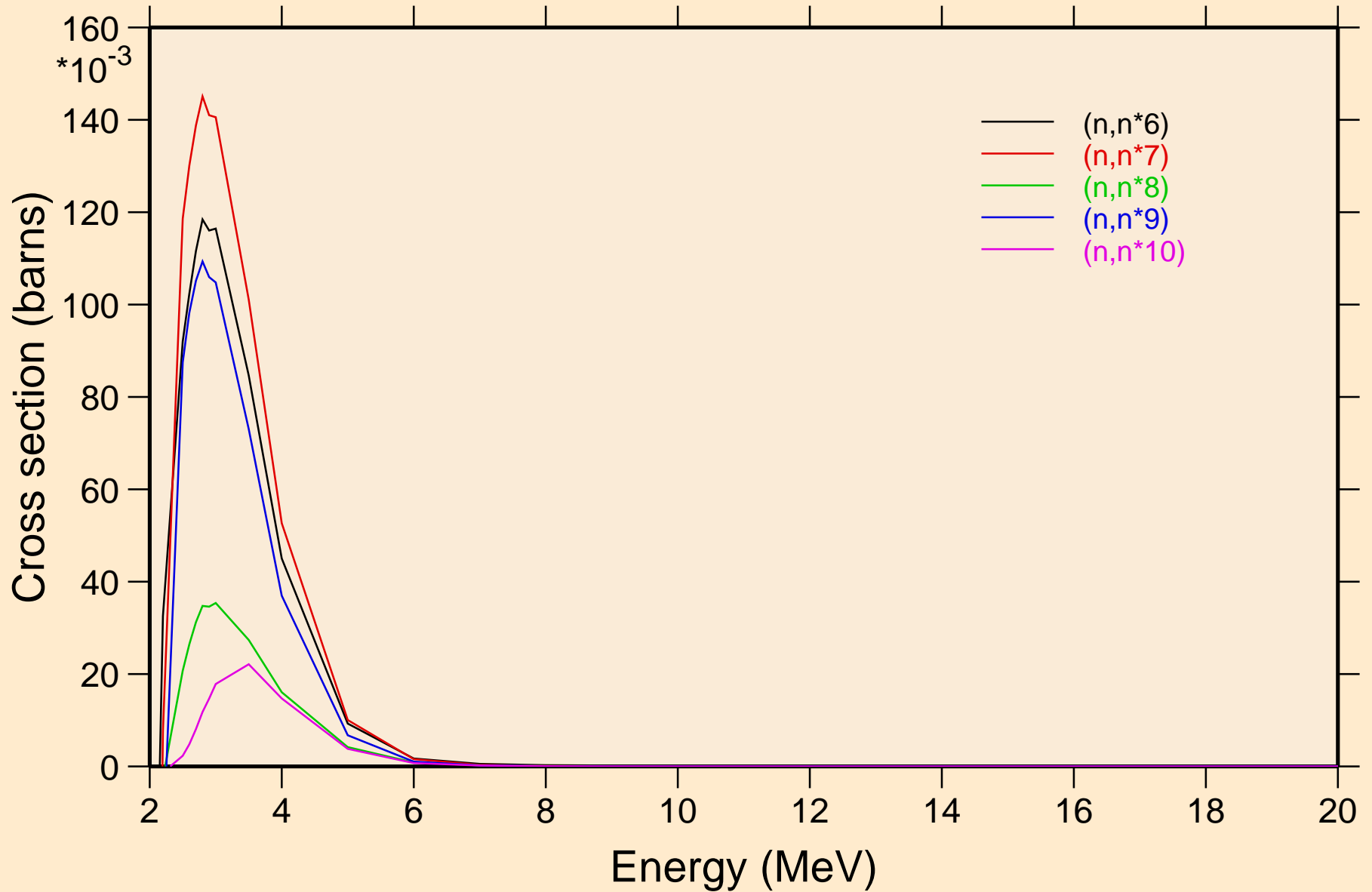
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Non-threshold reactions



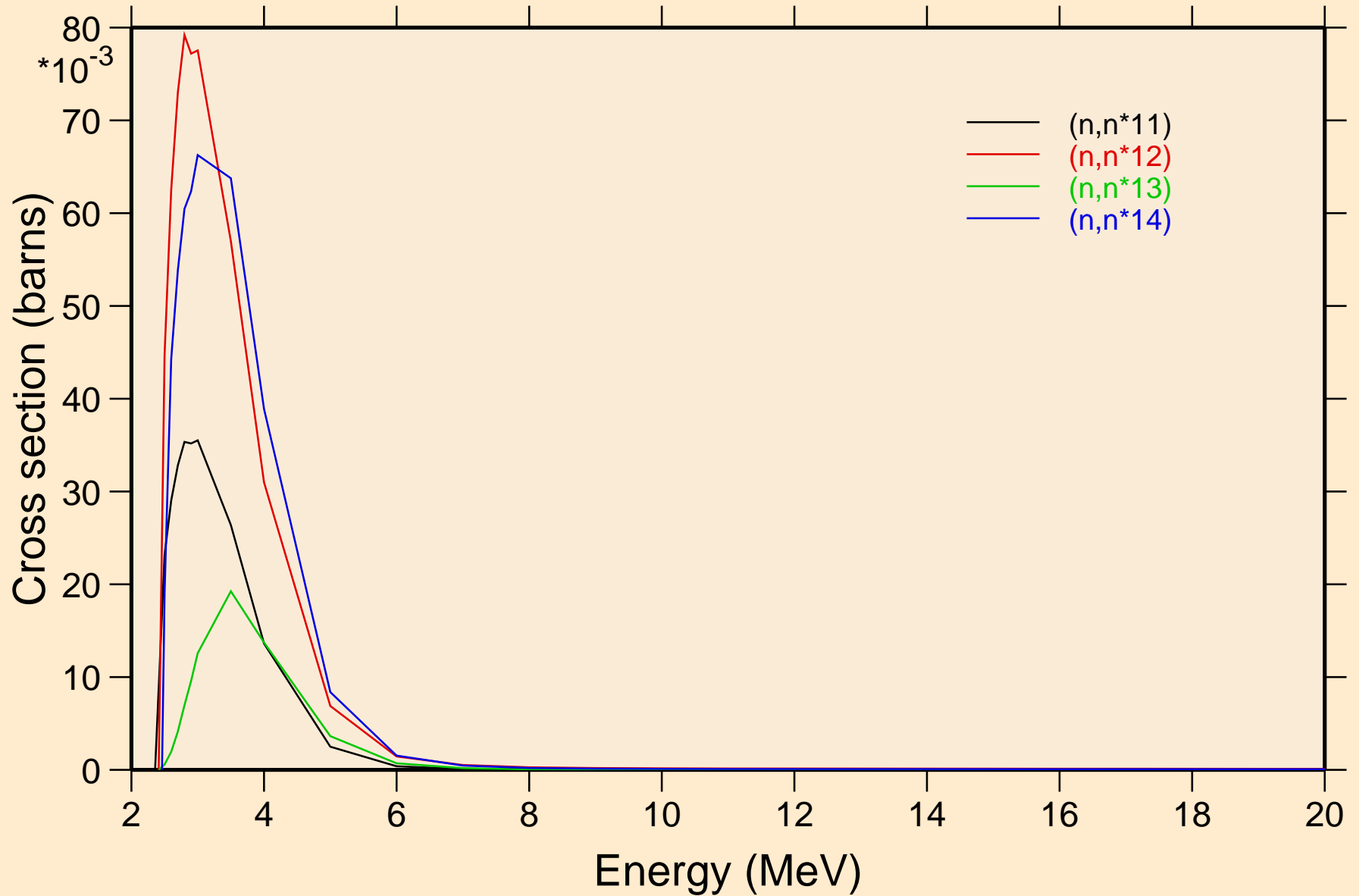
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Inelastic levels



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Inelastic levels

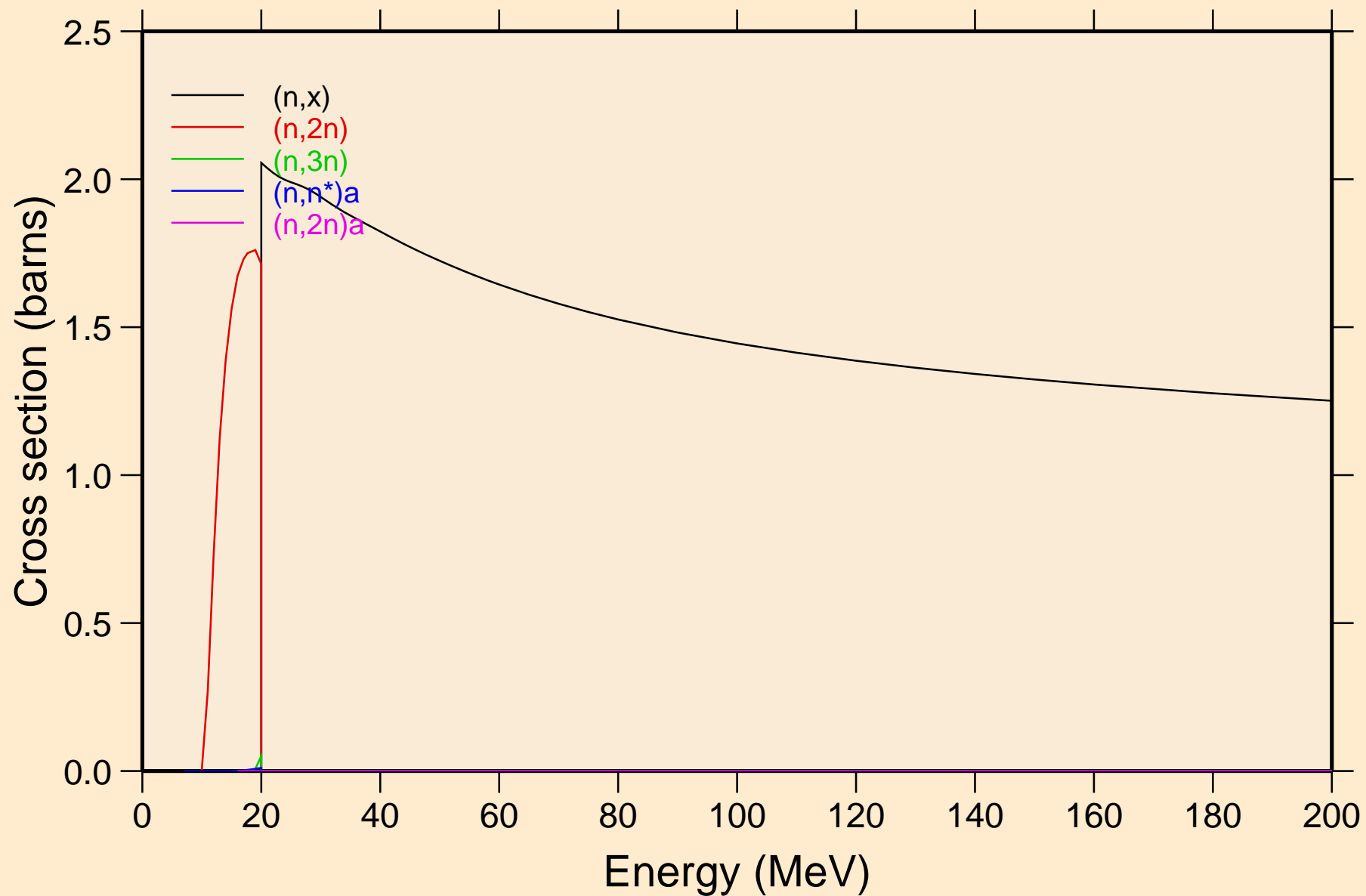


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Inelastic levels

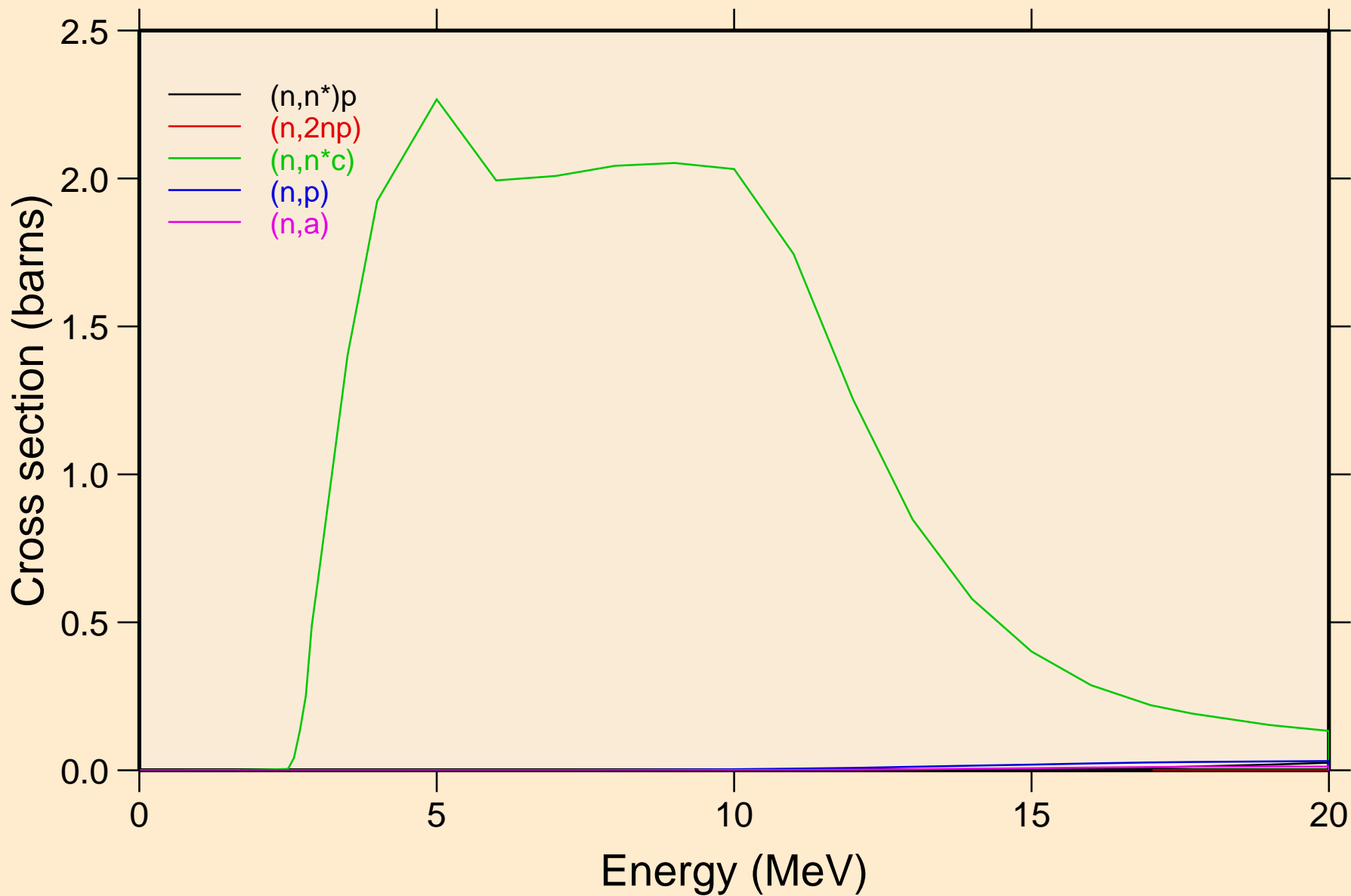




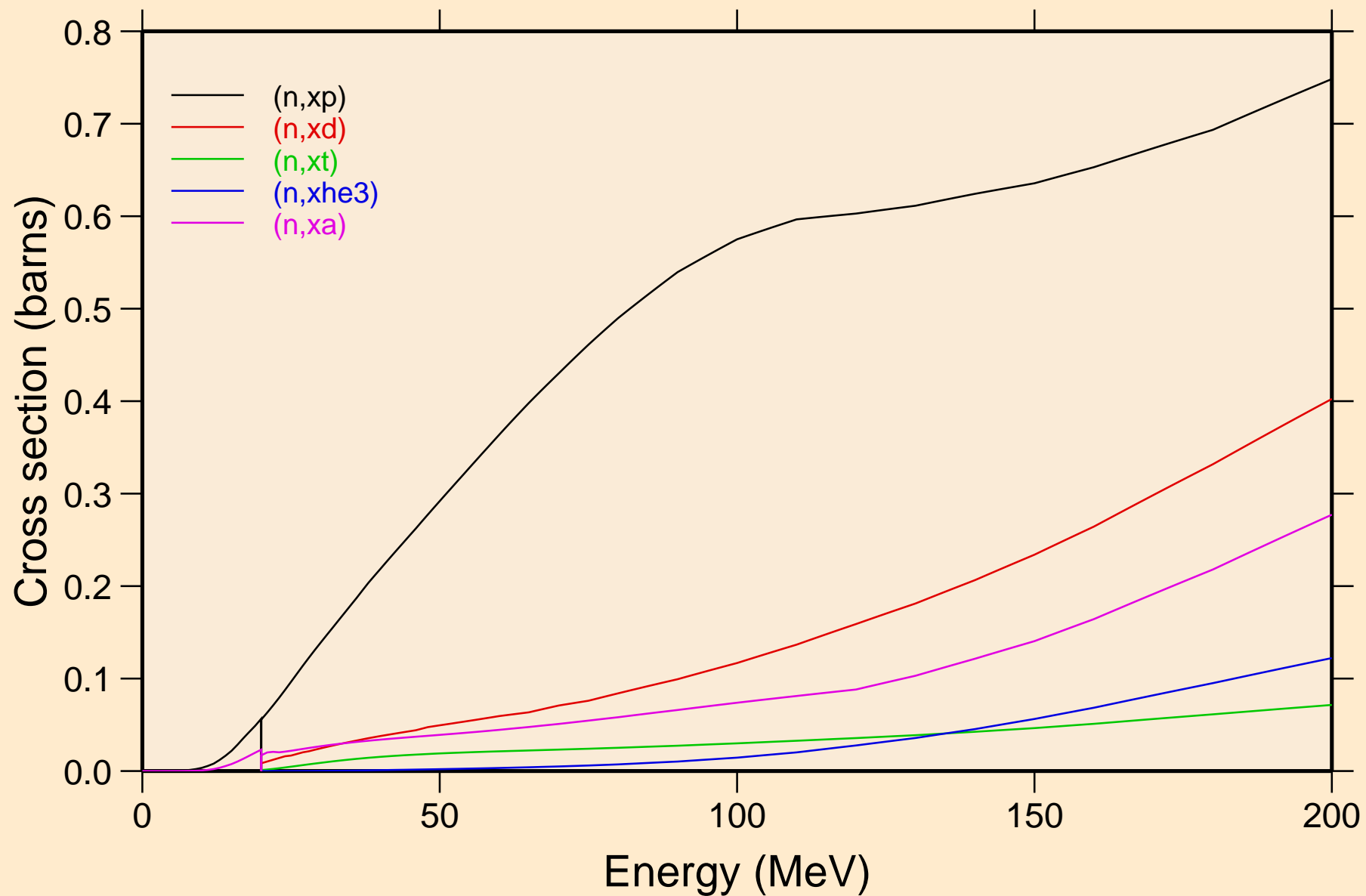
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions



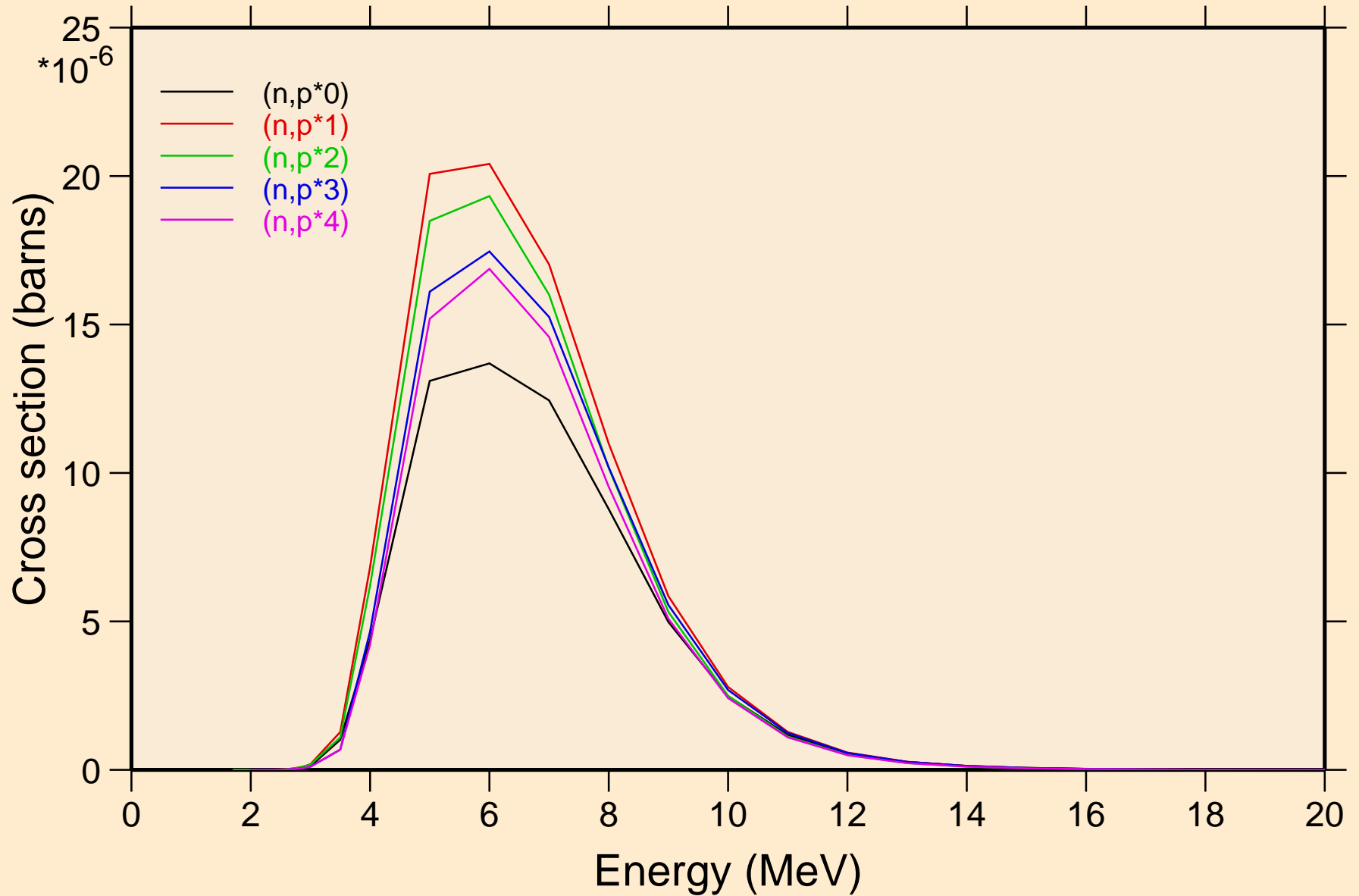
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions



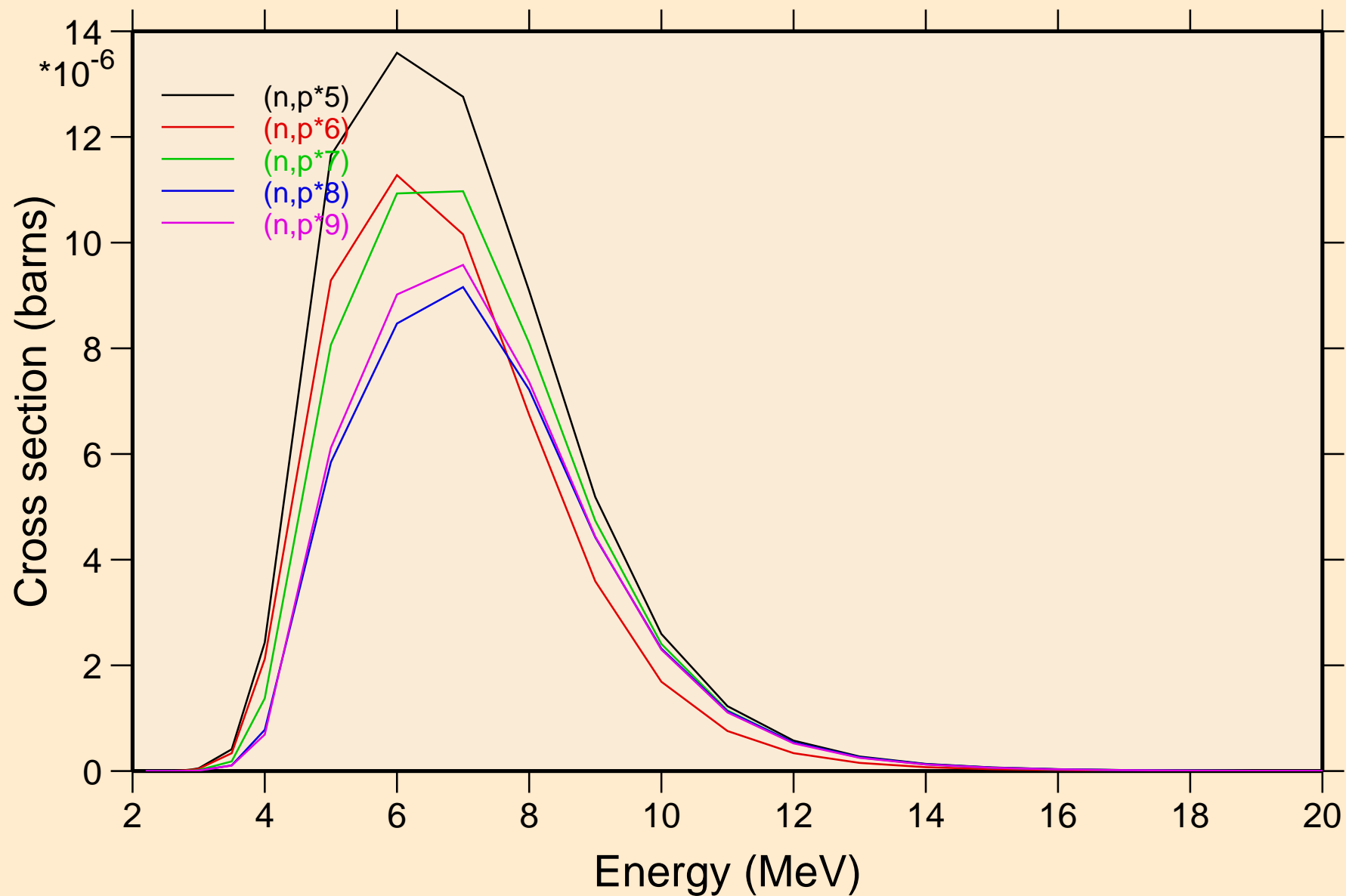
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions



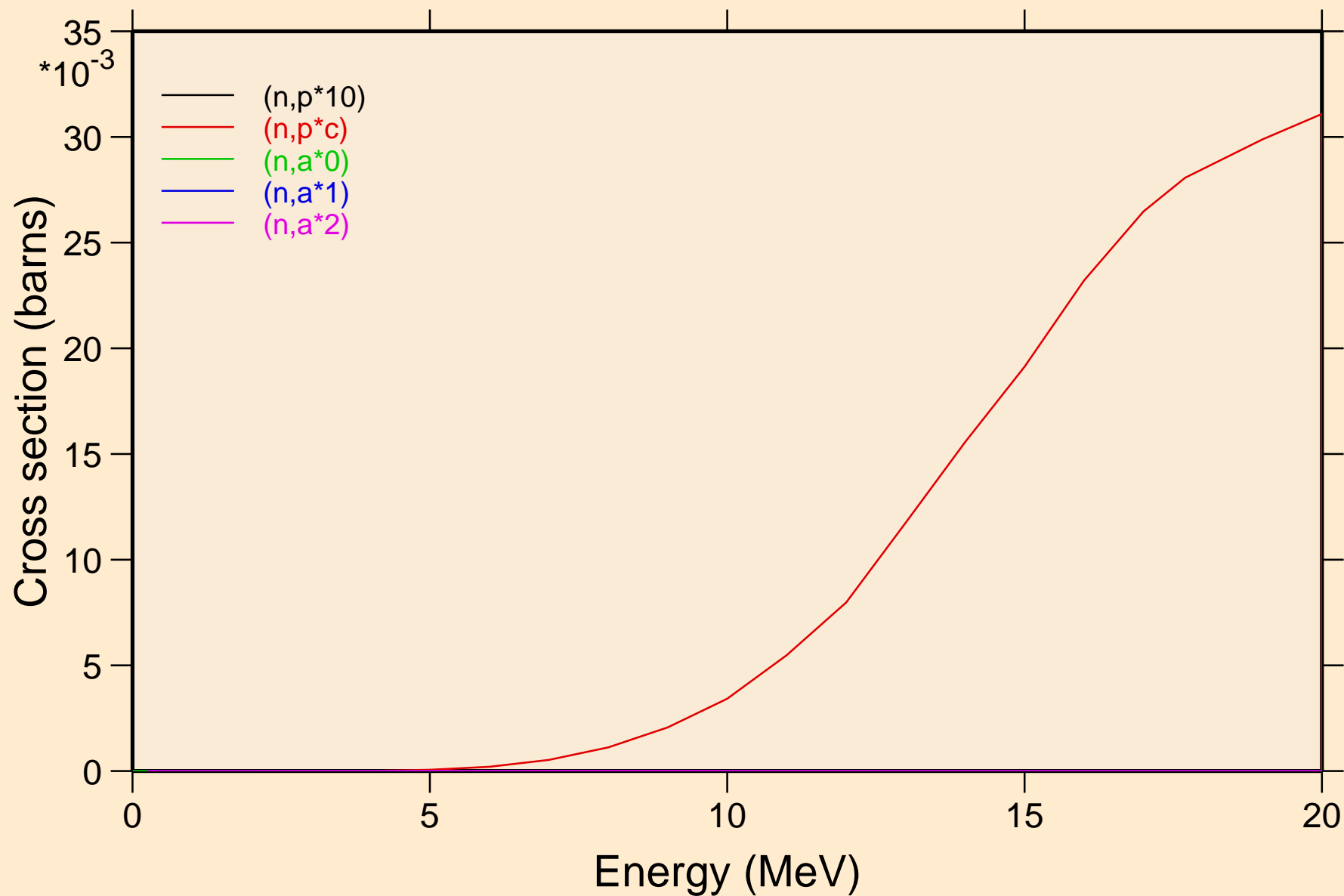
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions



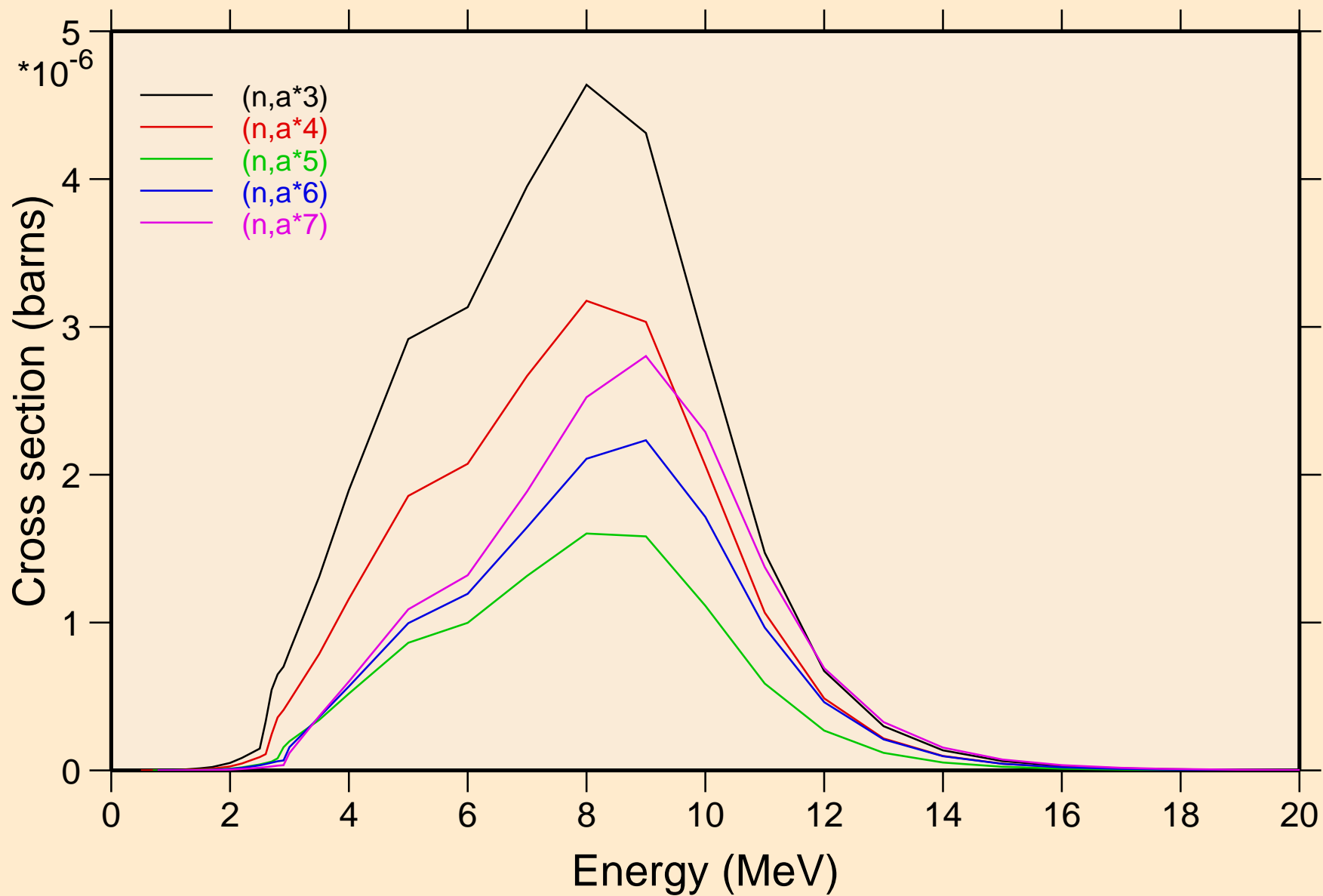
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions



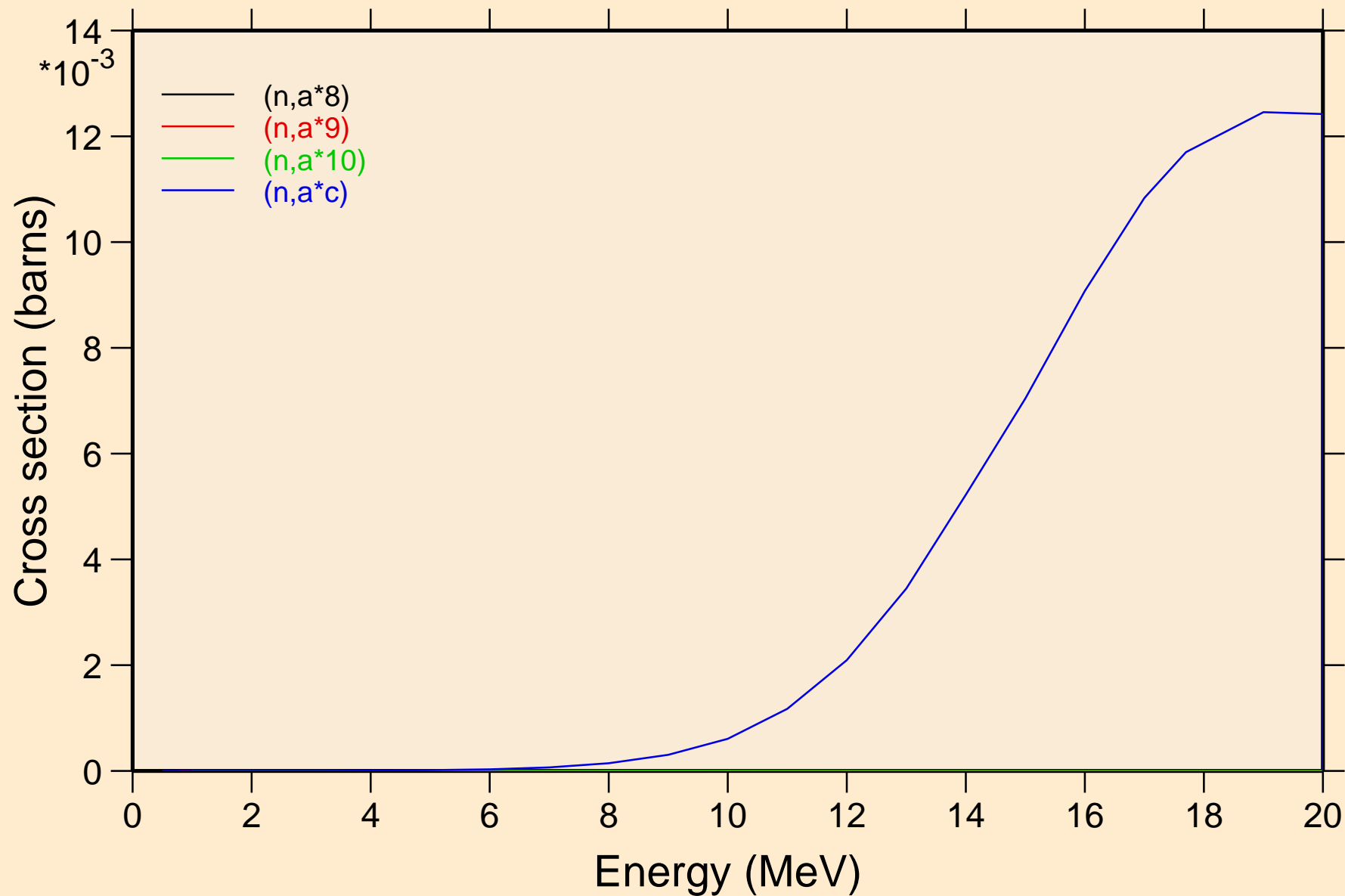
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions

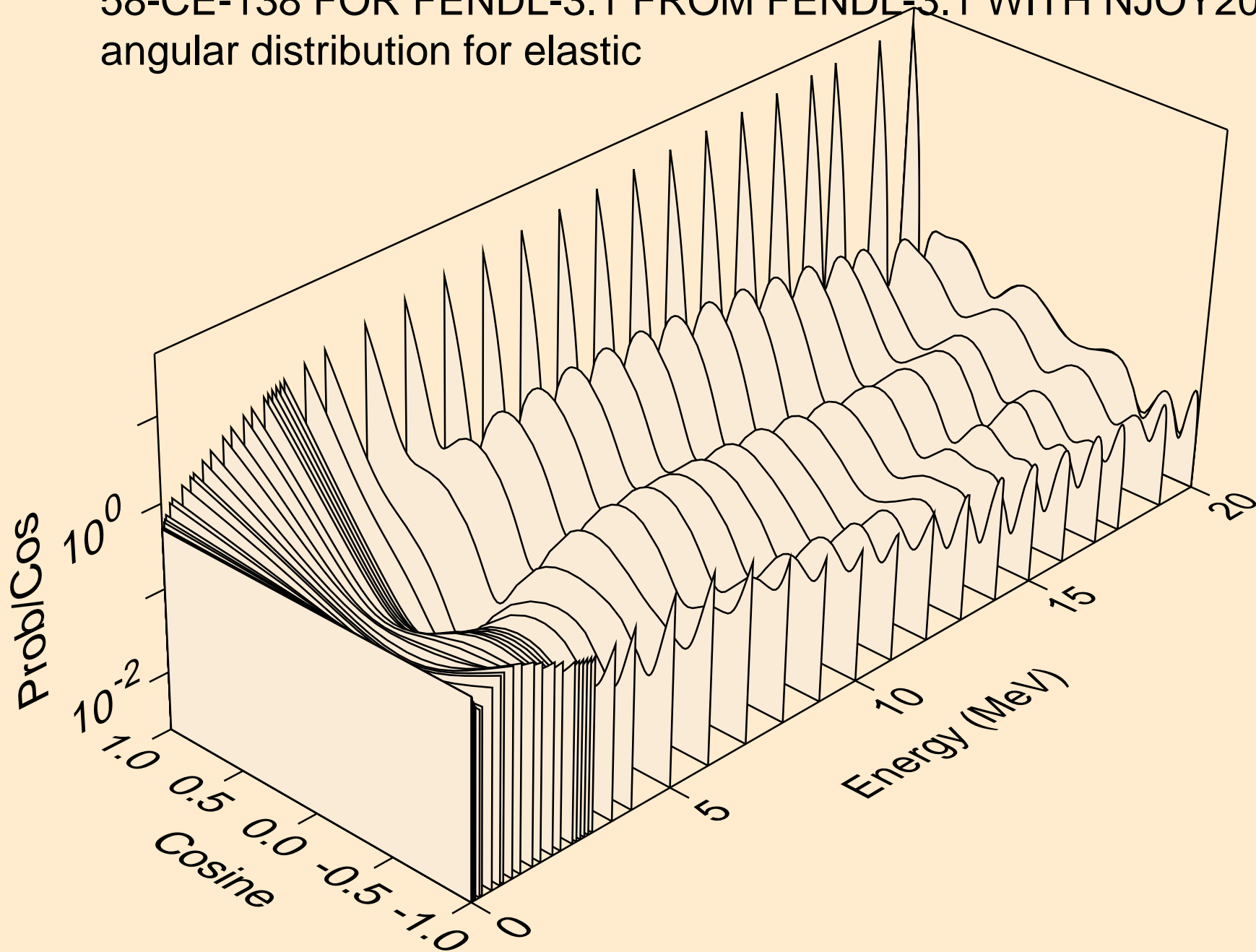


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Threshold reactions

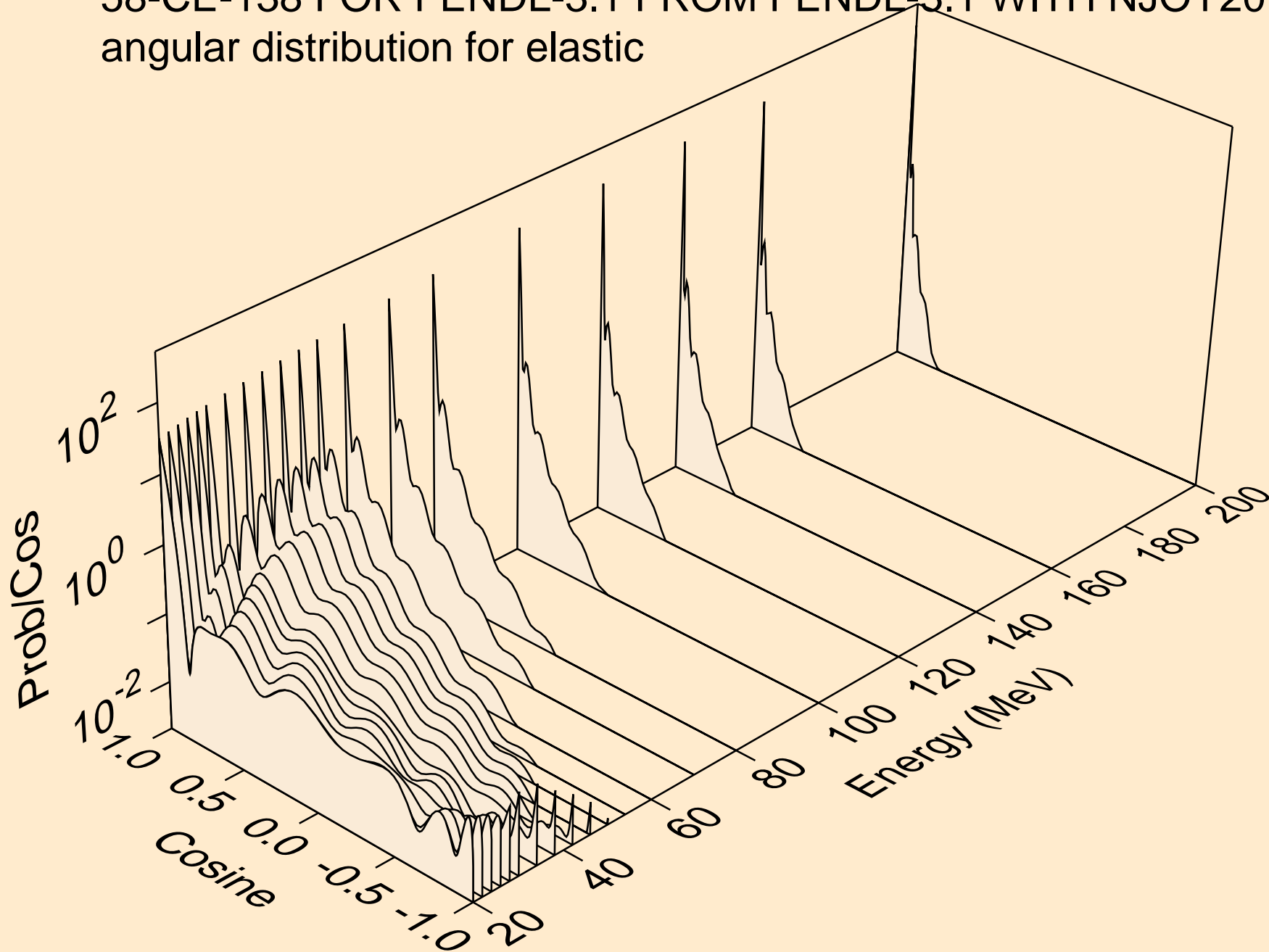




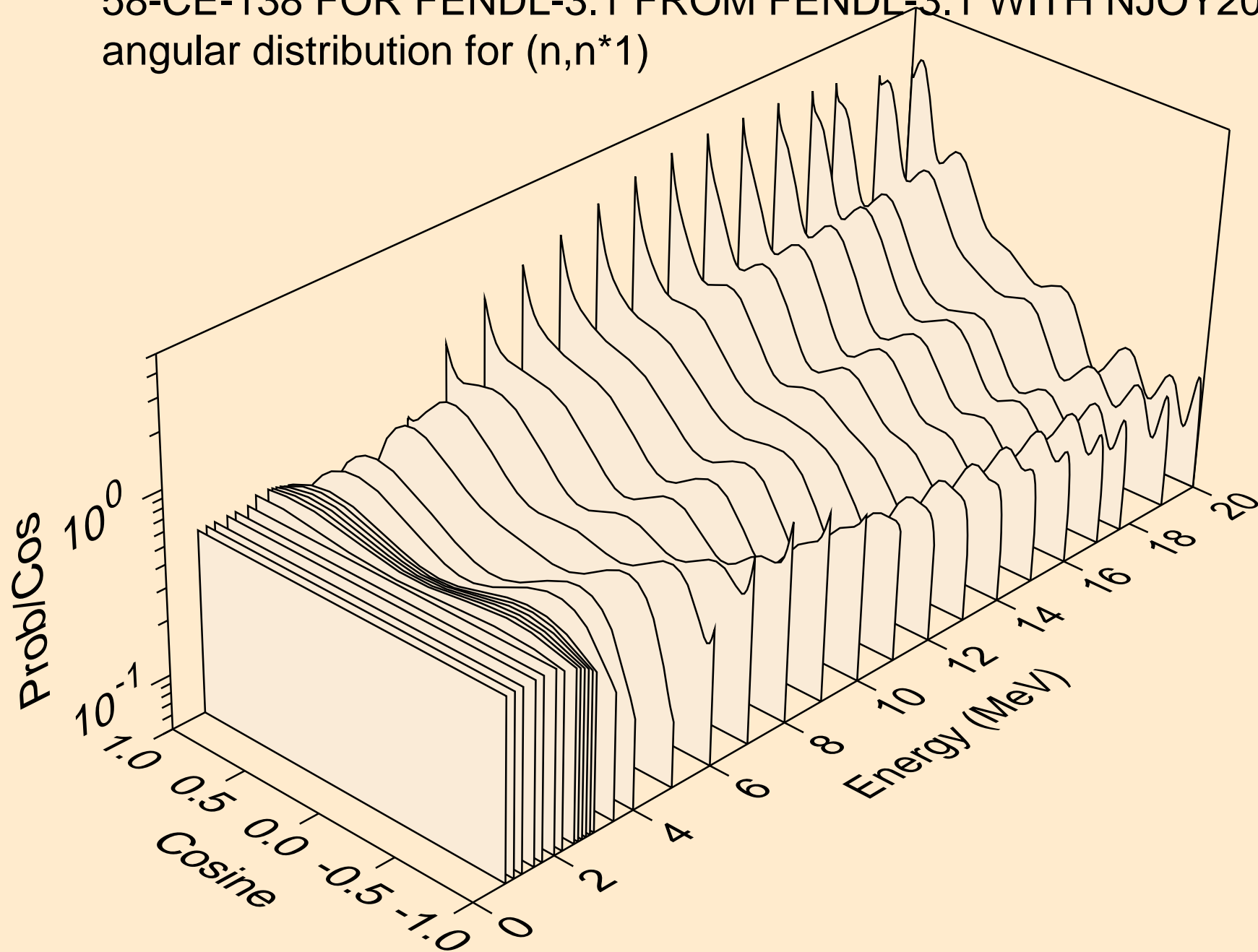
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for elastic



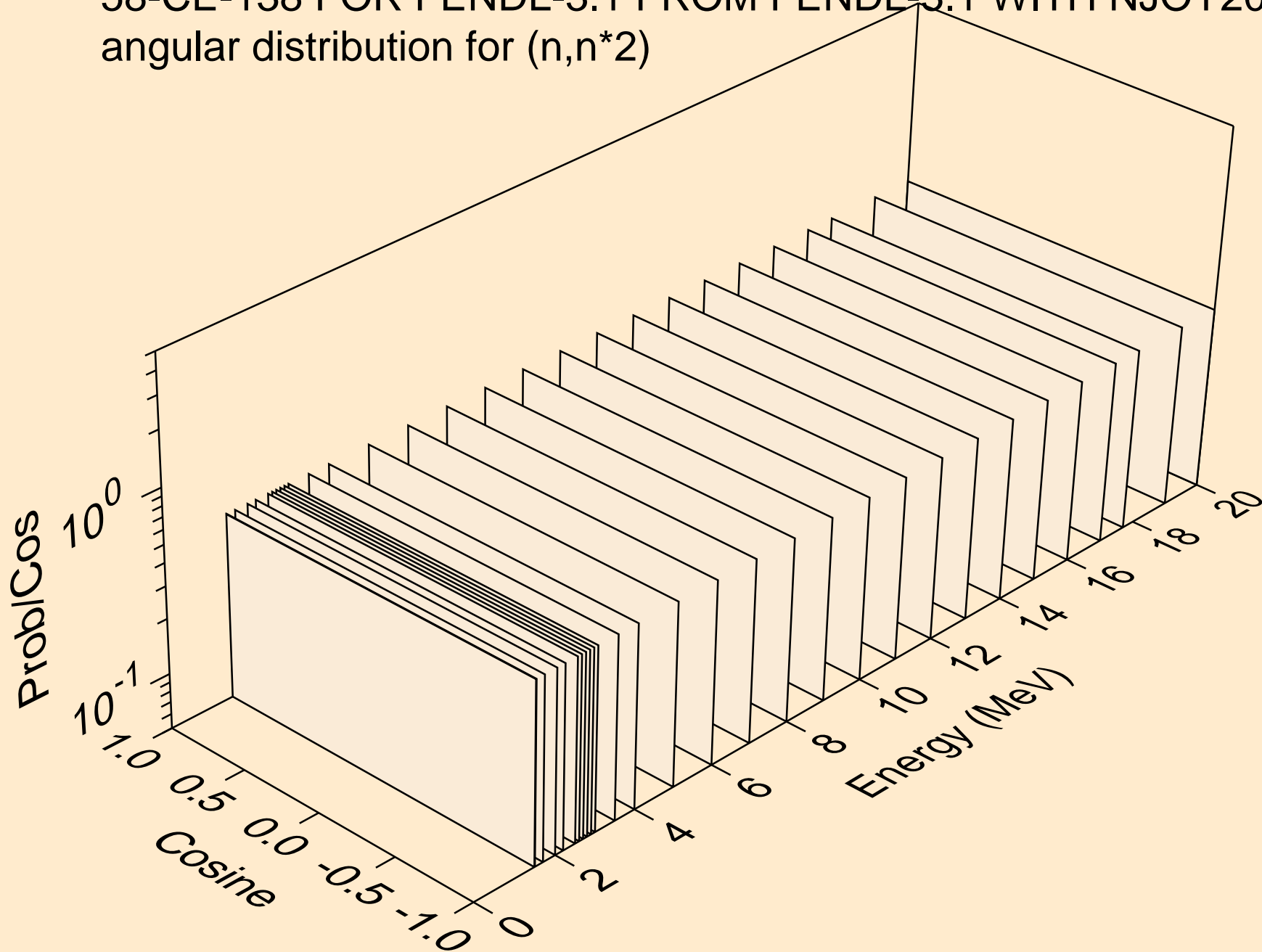
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for elastic



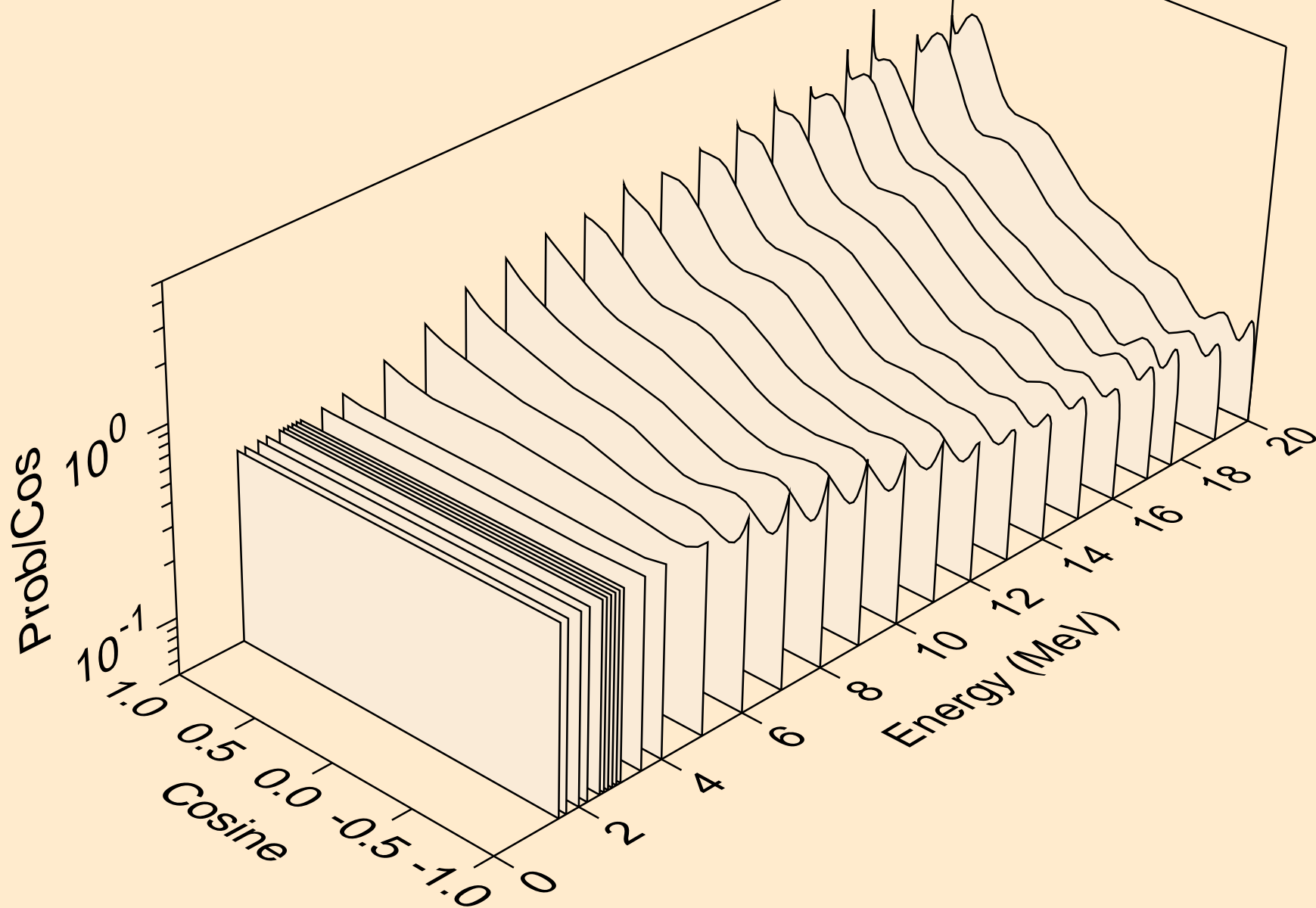
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*1)



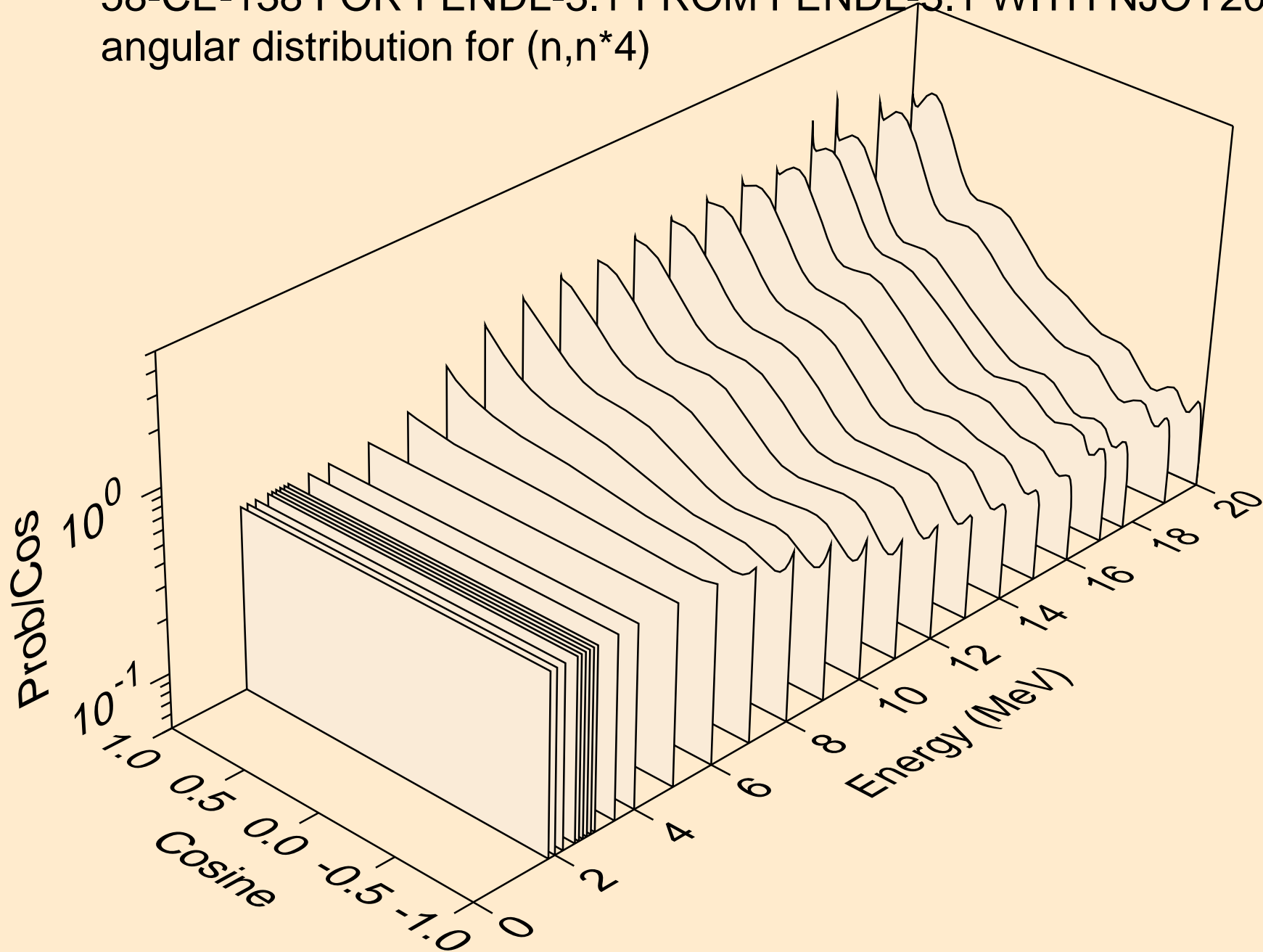
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*2)



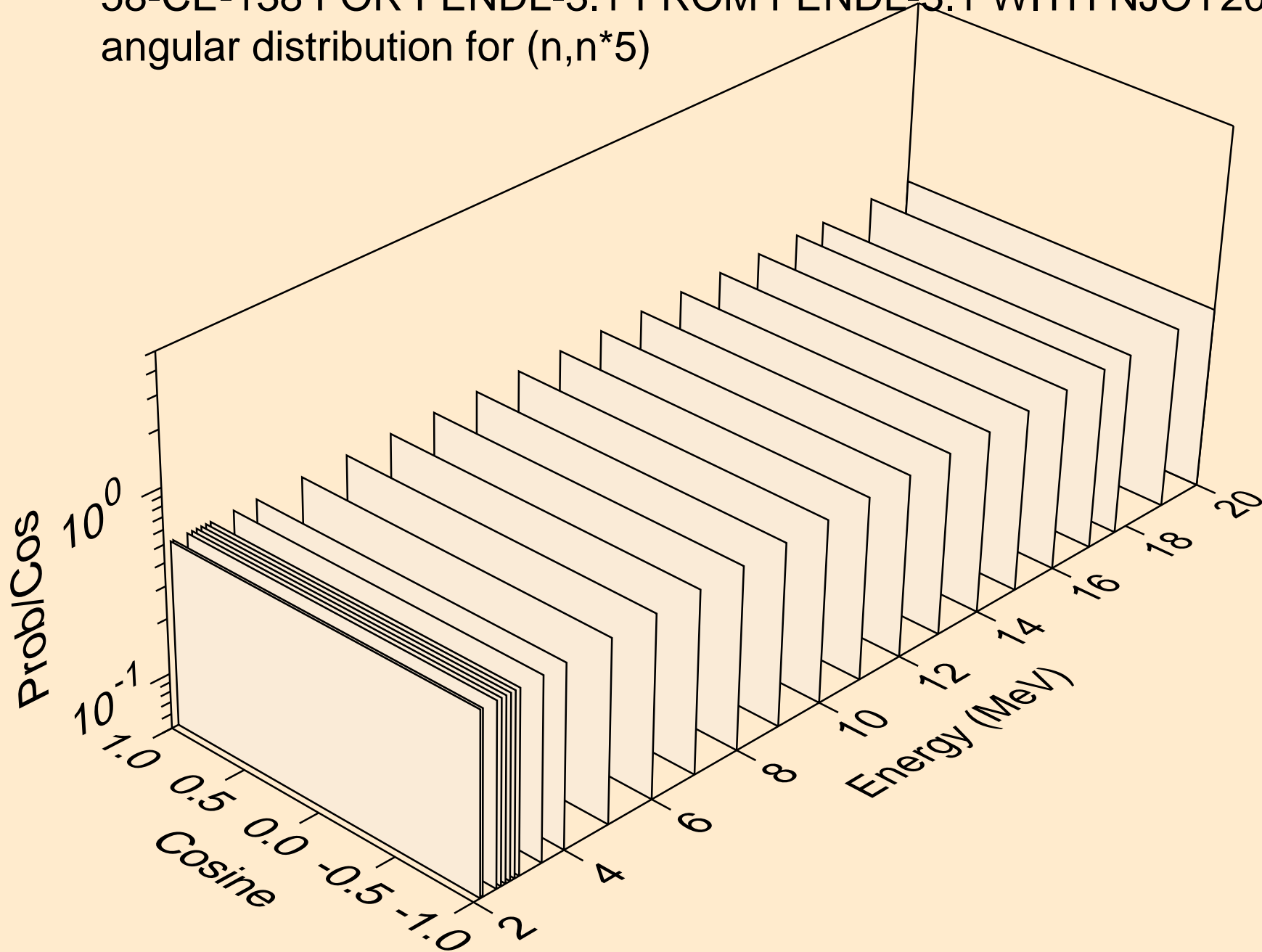
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*3)



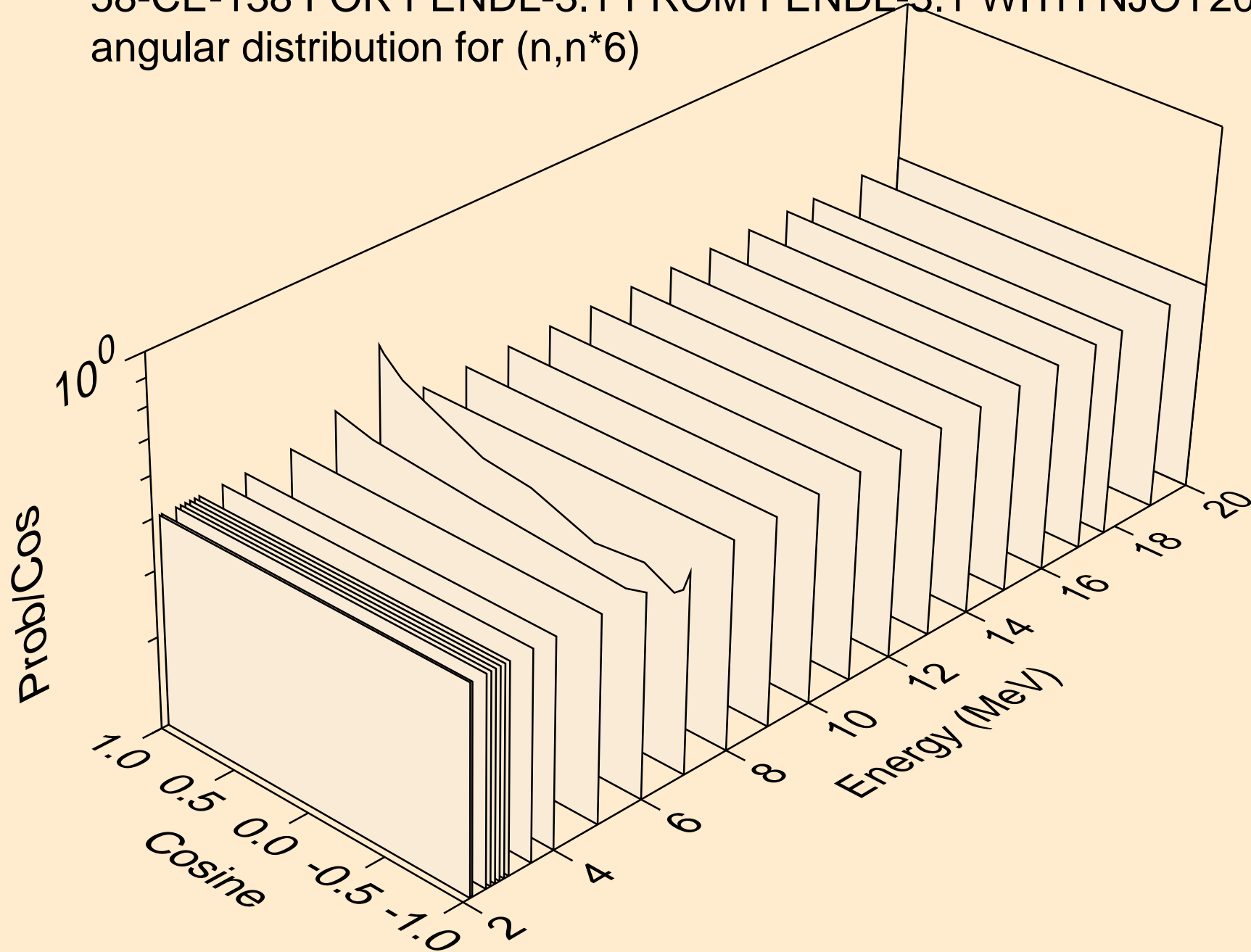
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*4)



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*5)

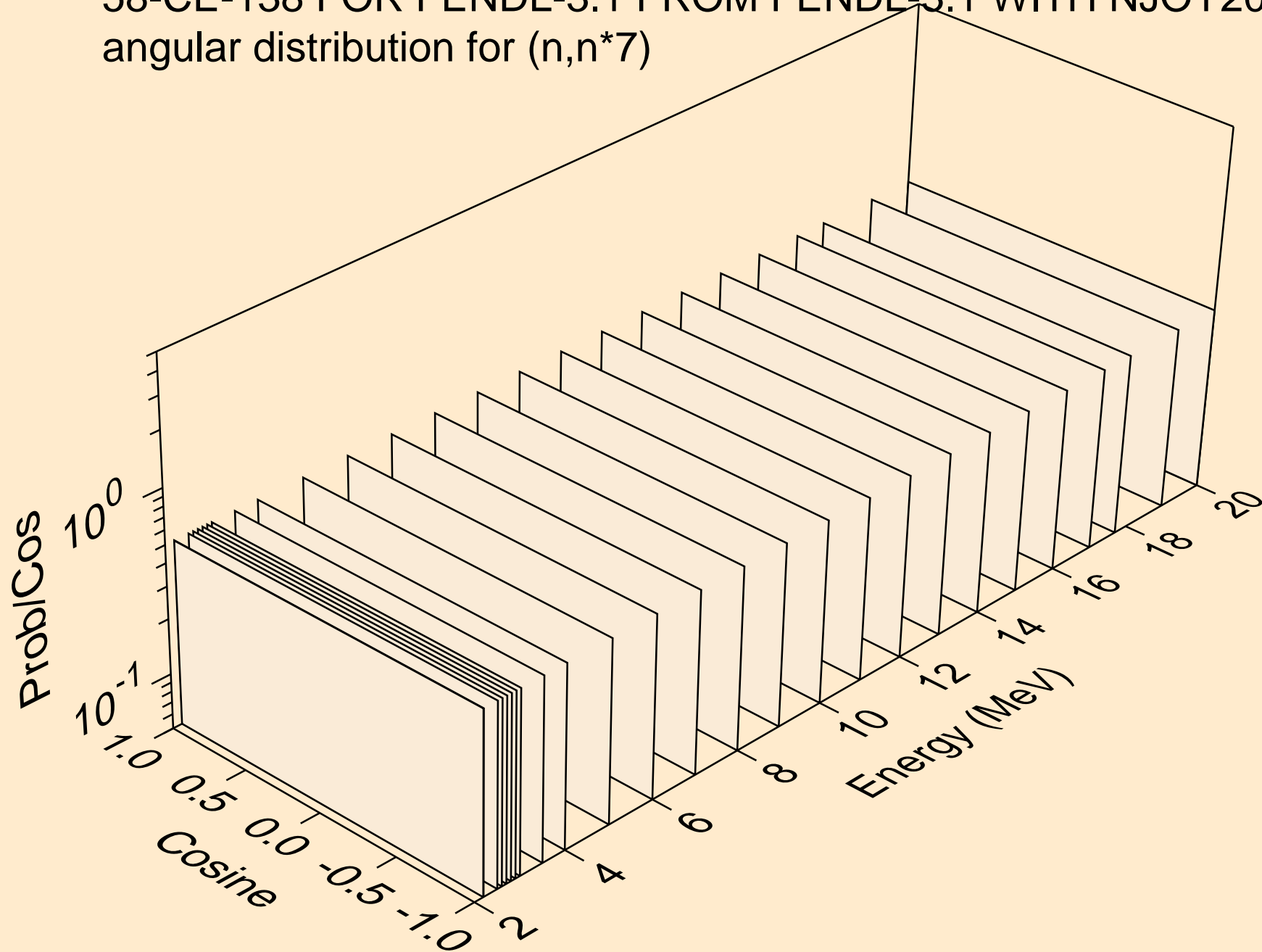


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*6)

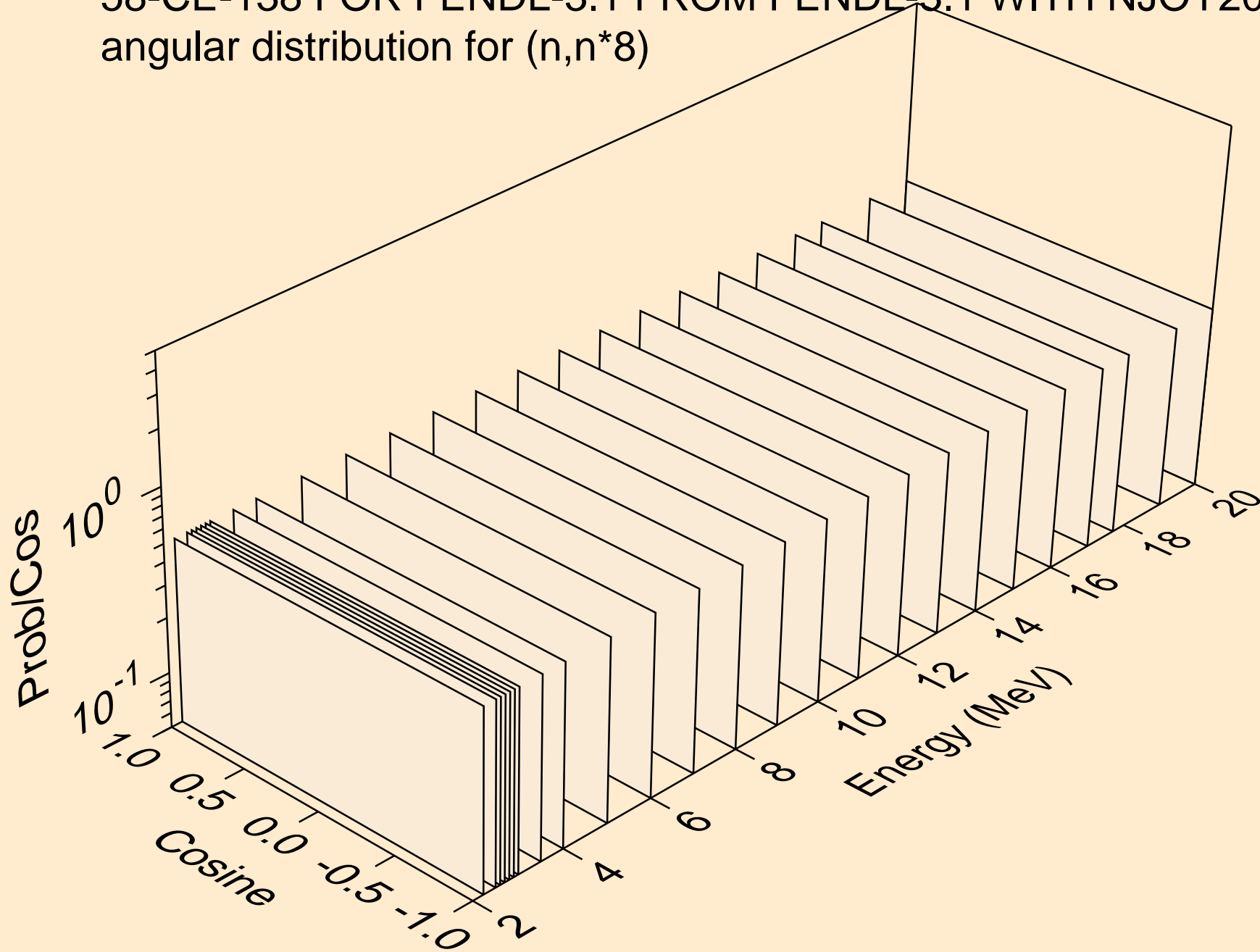




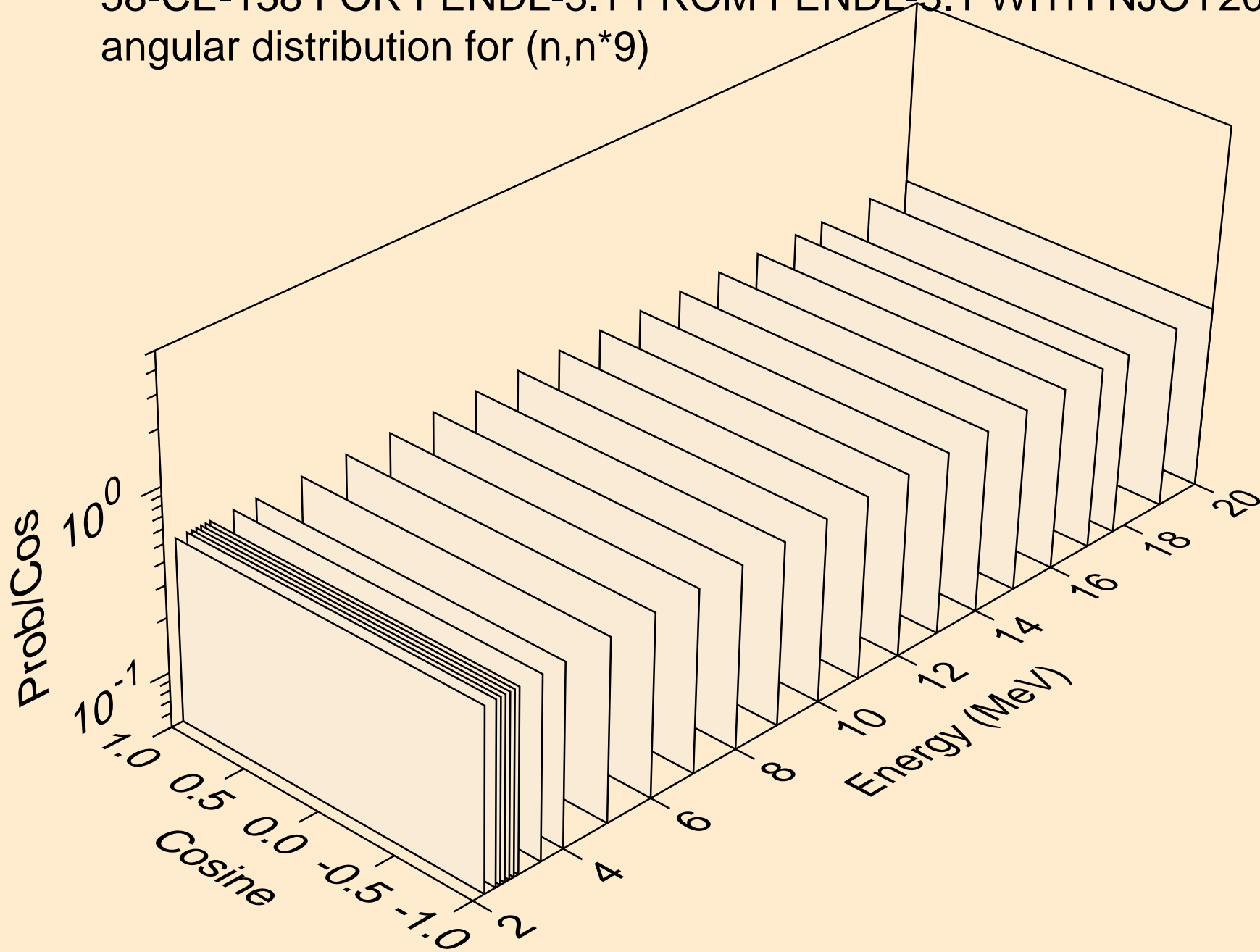
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*7)



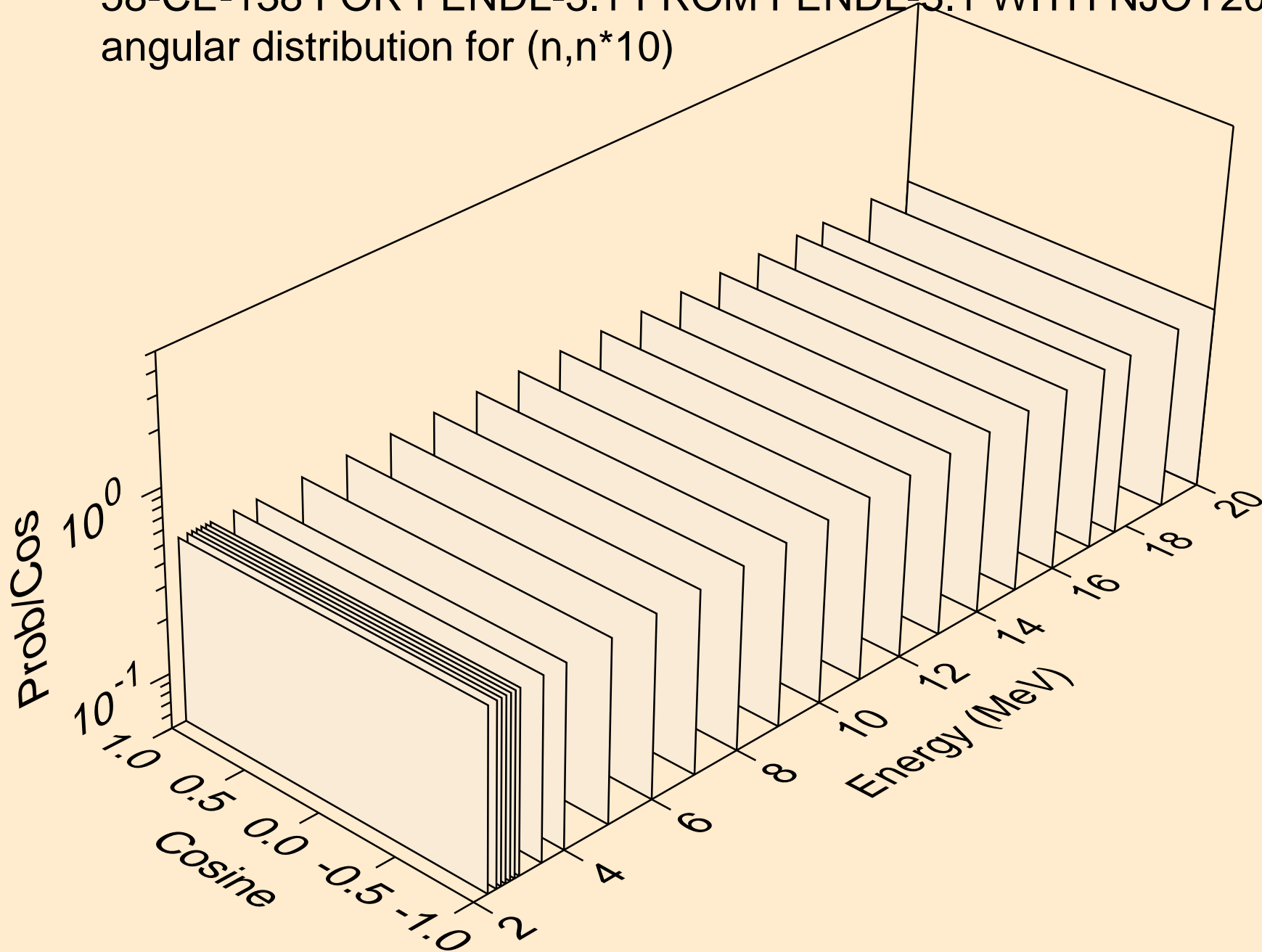
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*8)



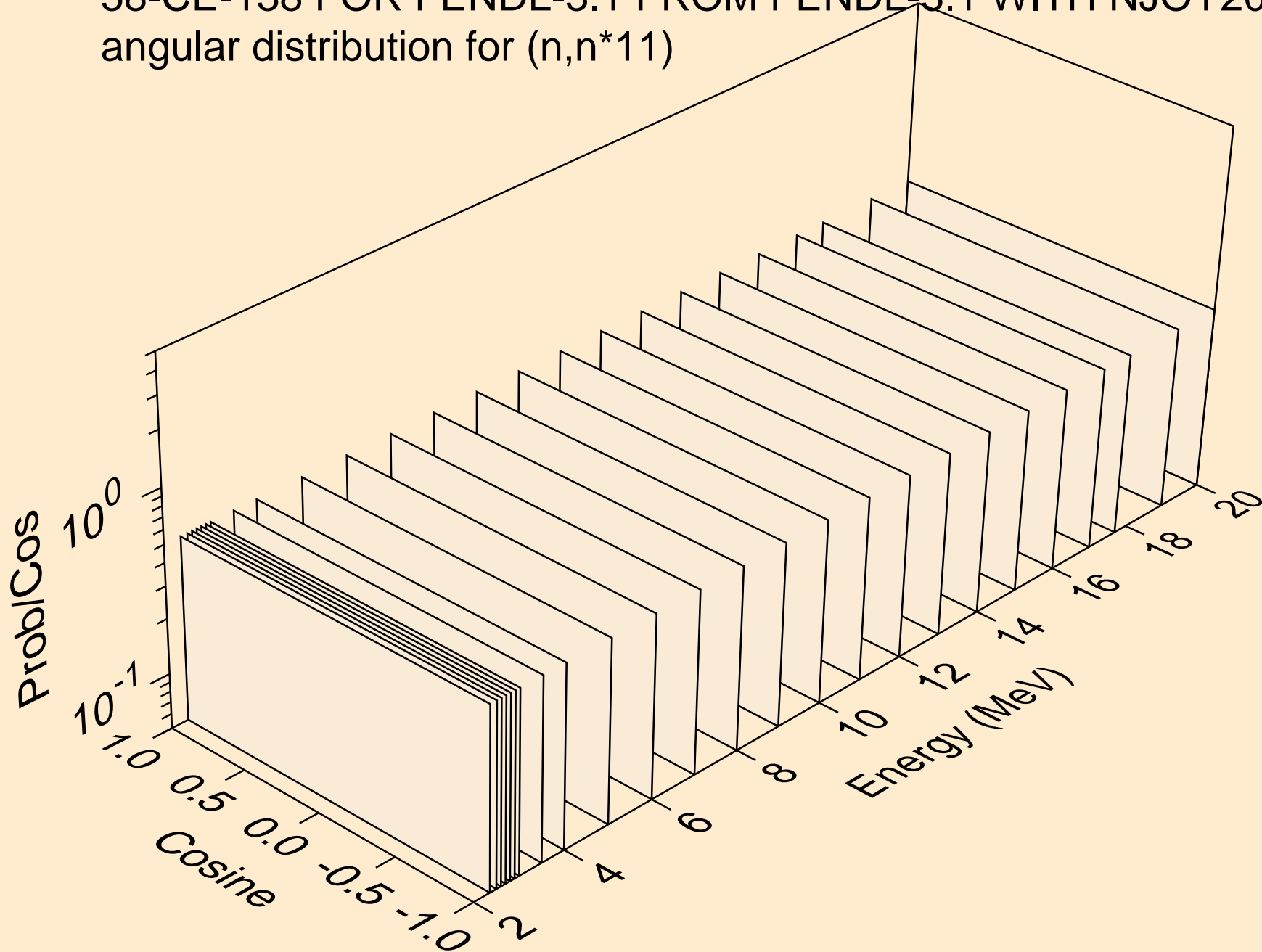
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*9)



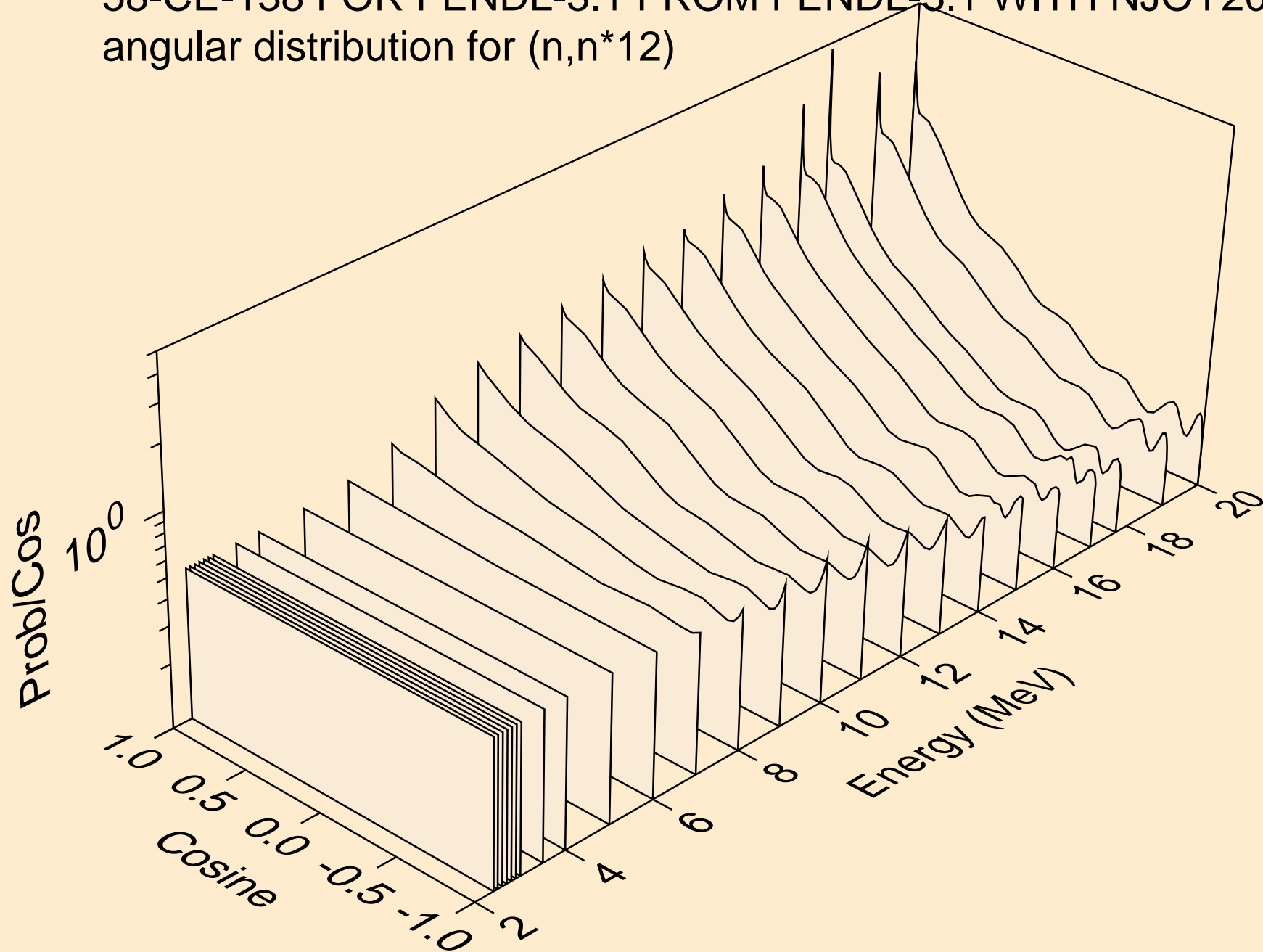
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*10)



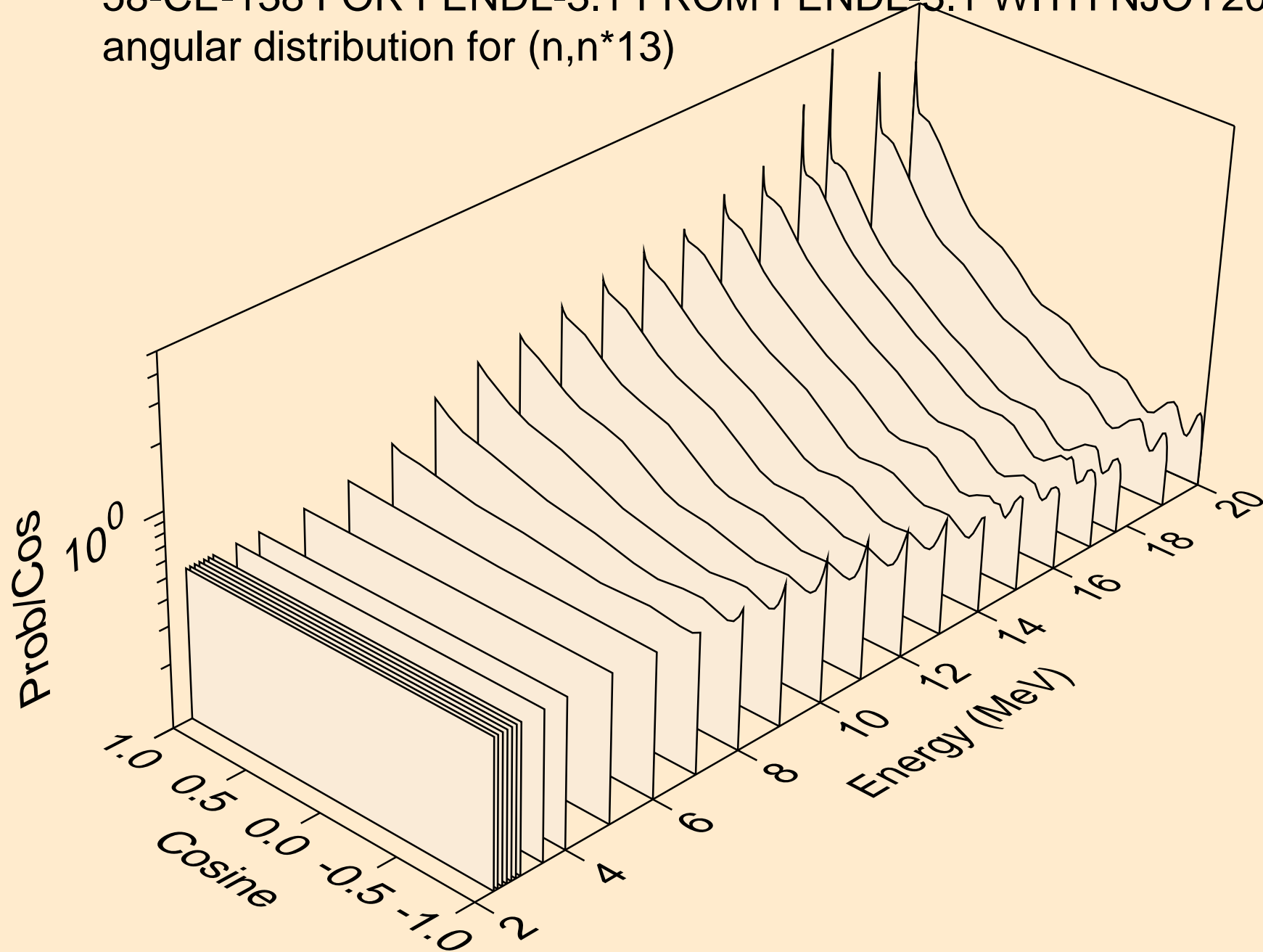
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*11)



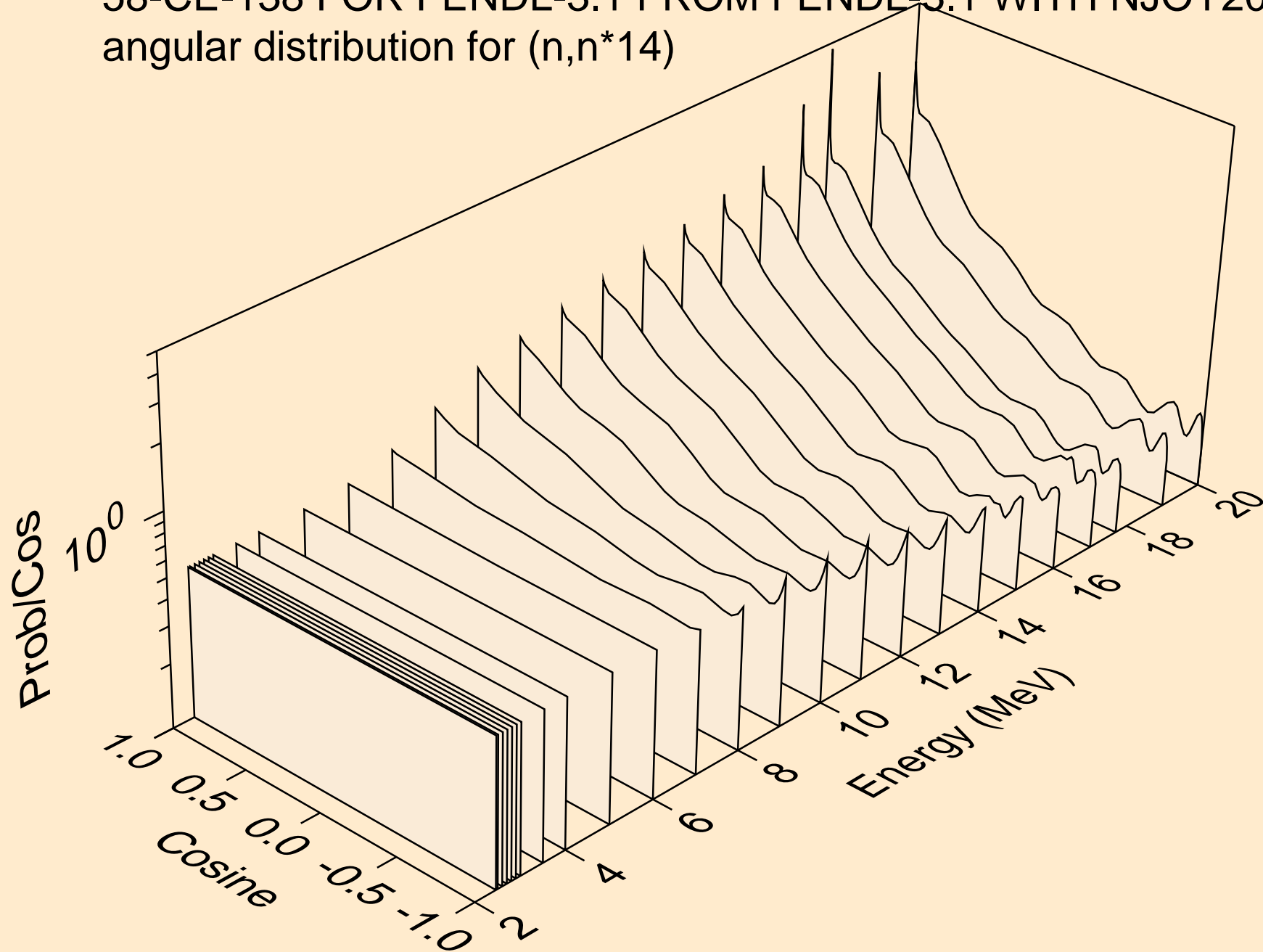
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*12)



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*13)

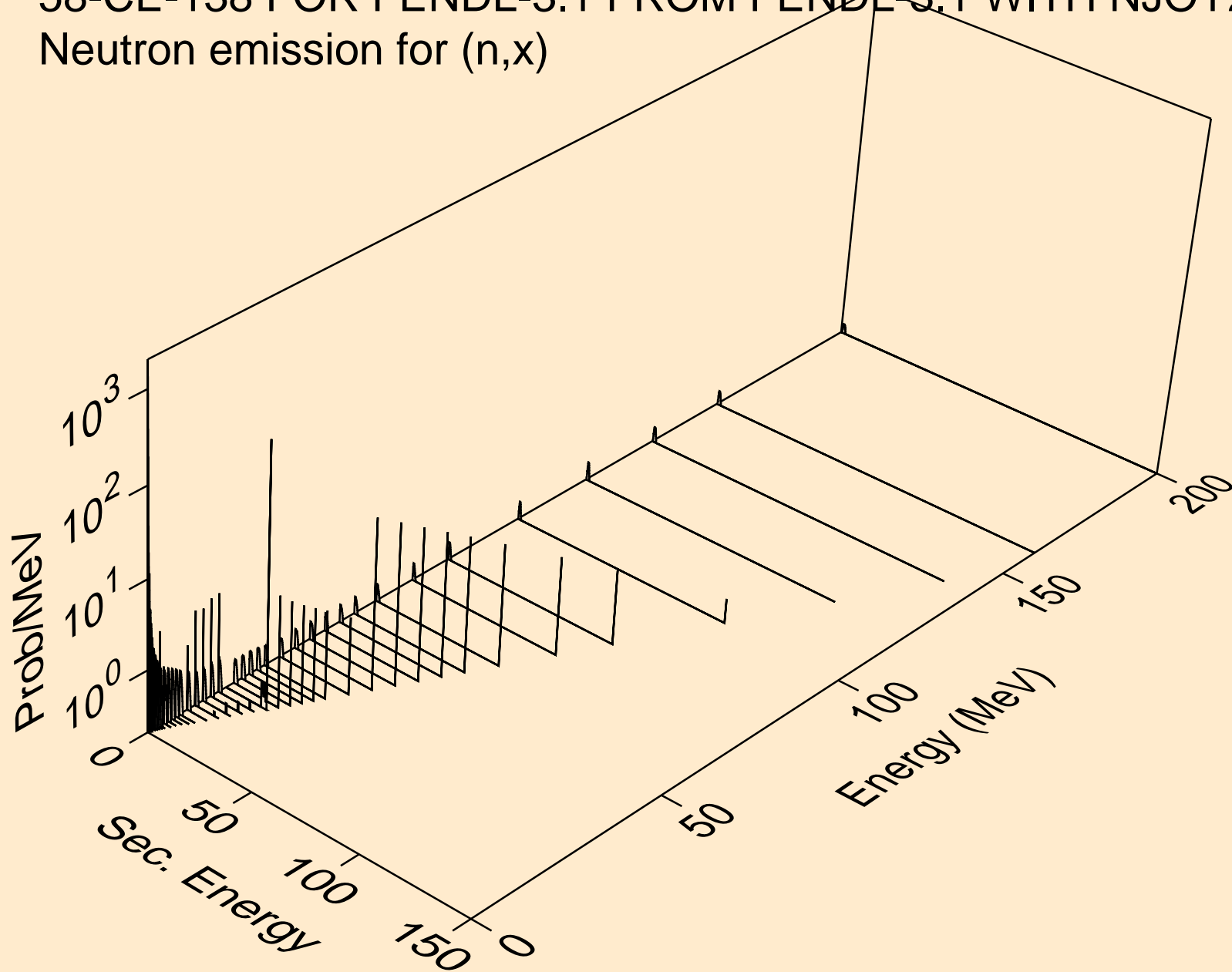


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,n\*14)

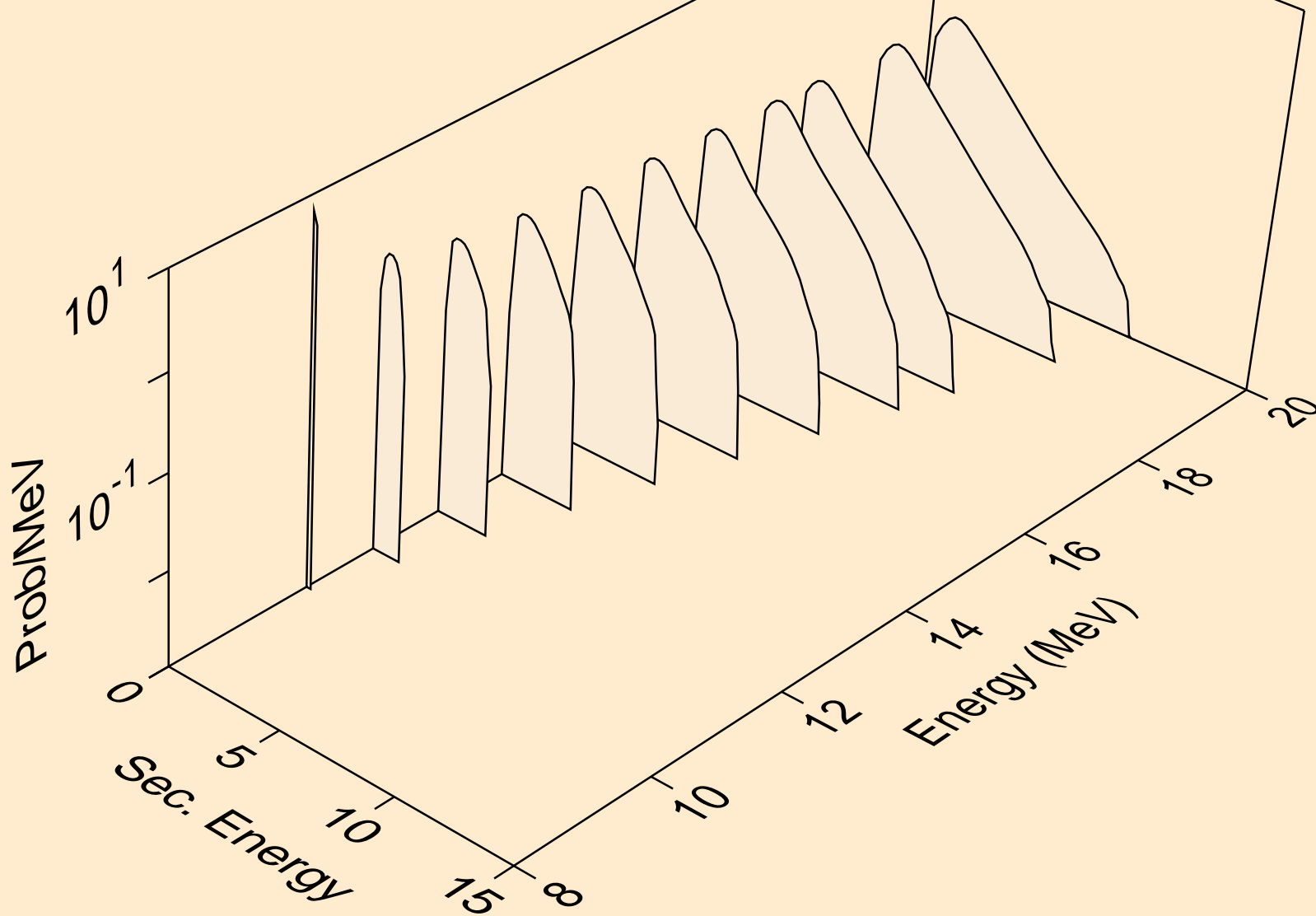




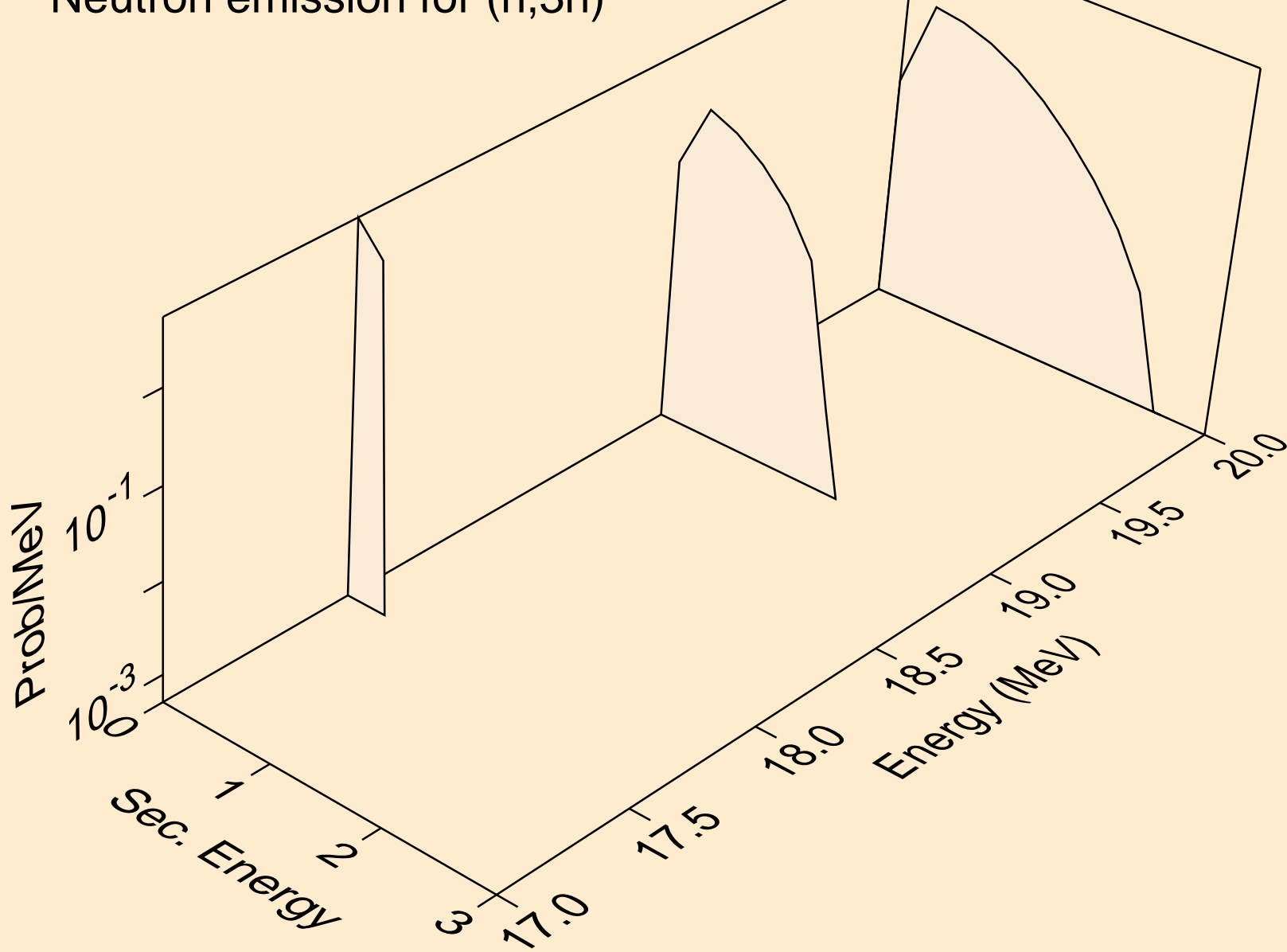
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,x)



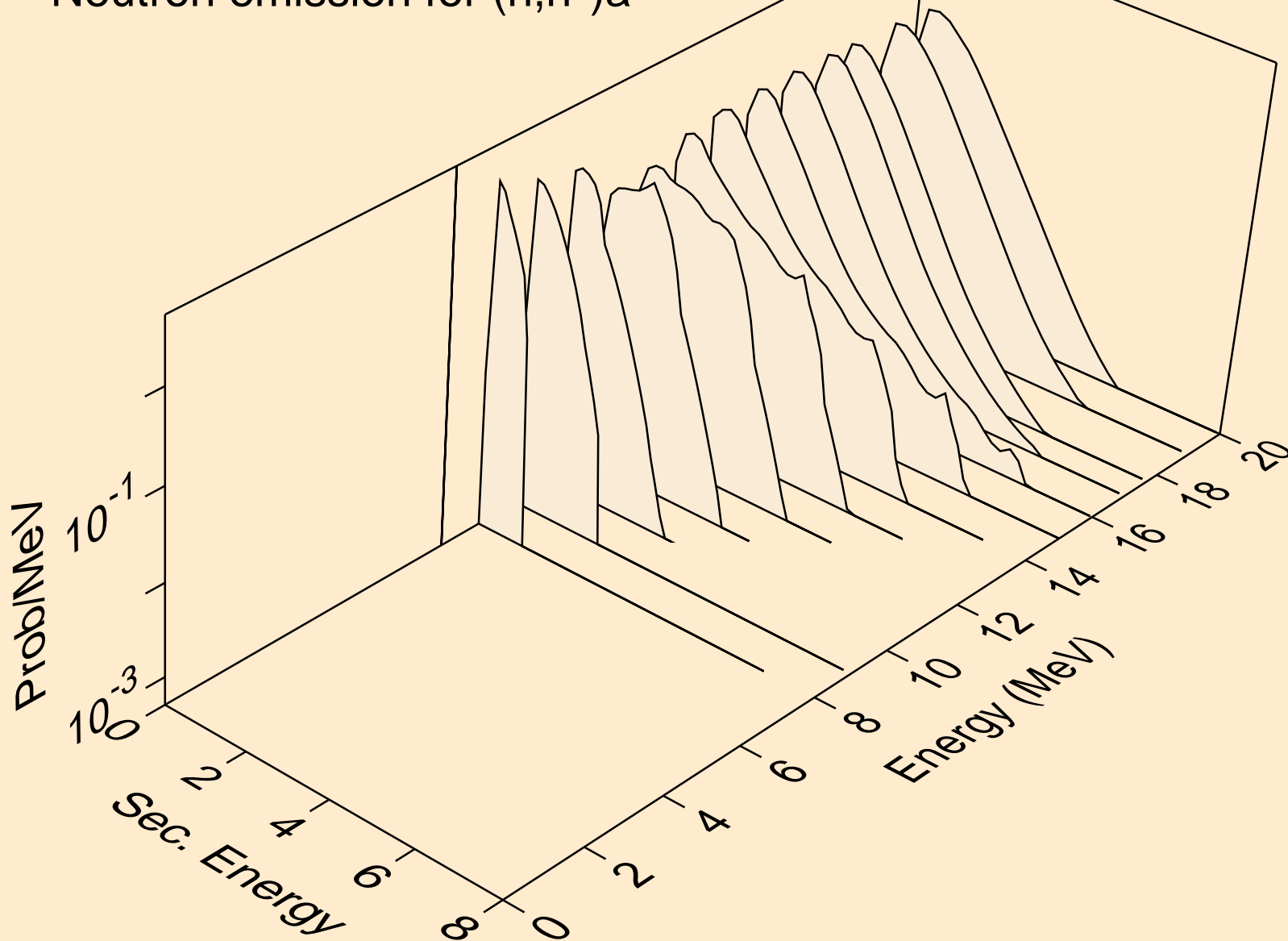
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,2n)



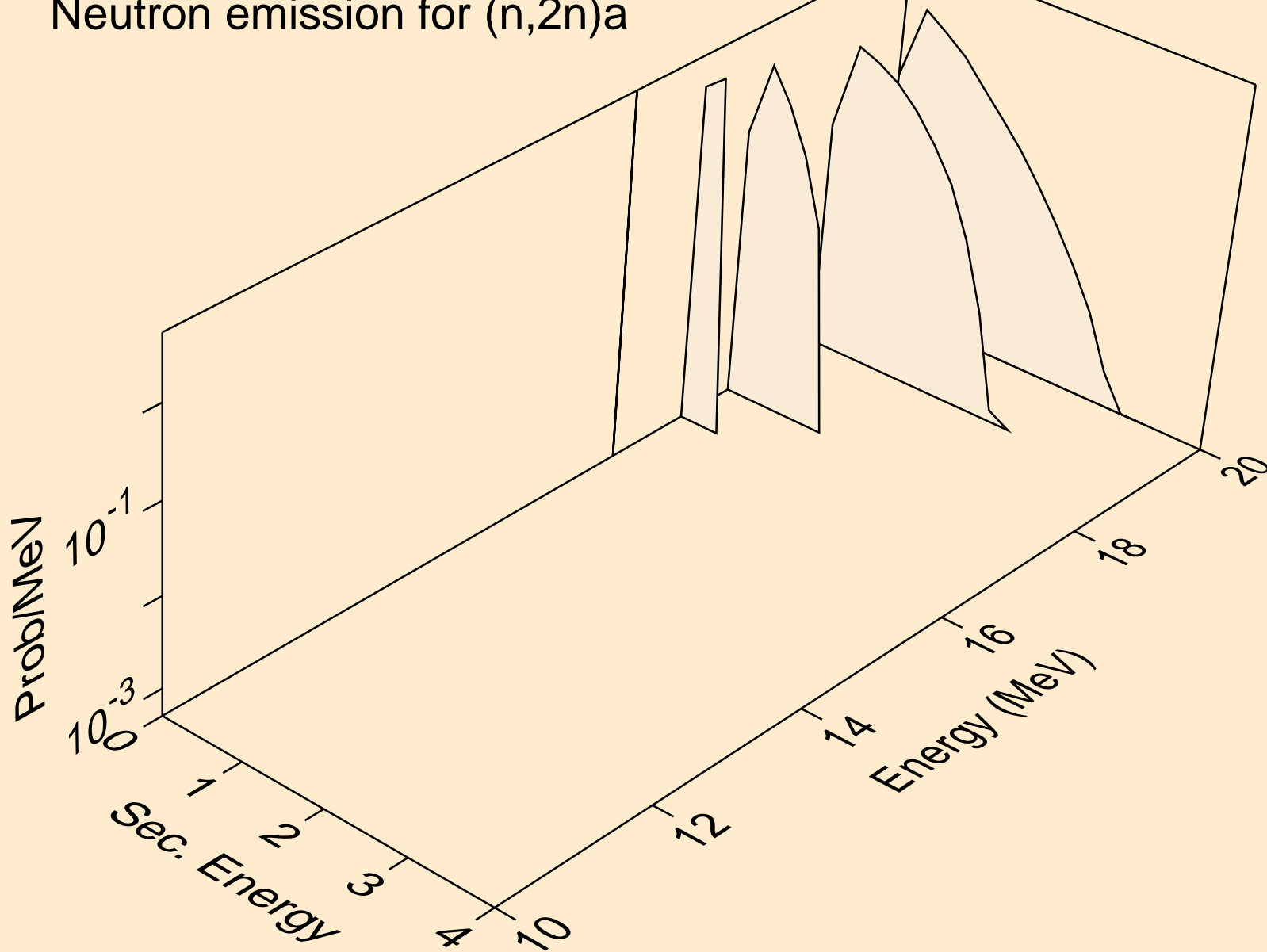
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,3n)



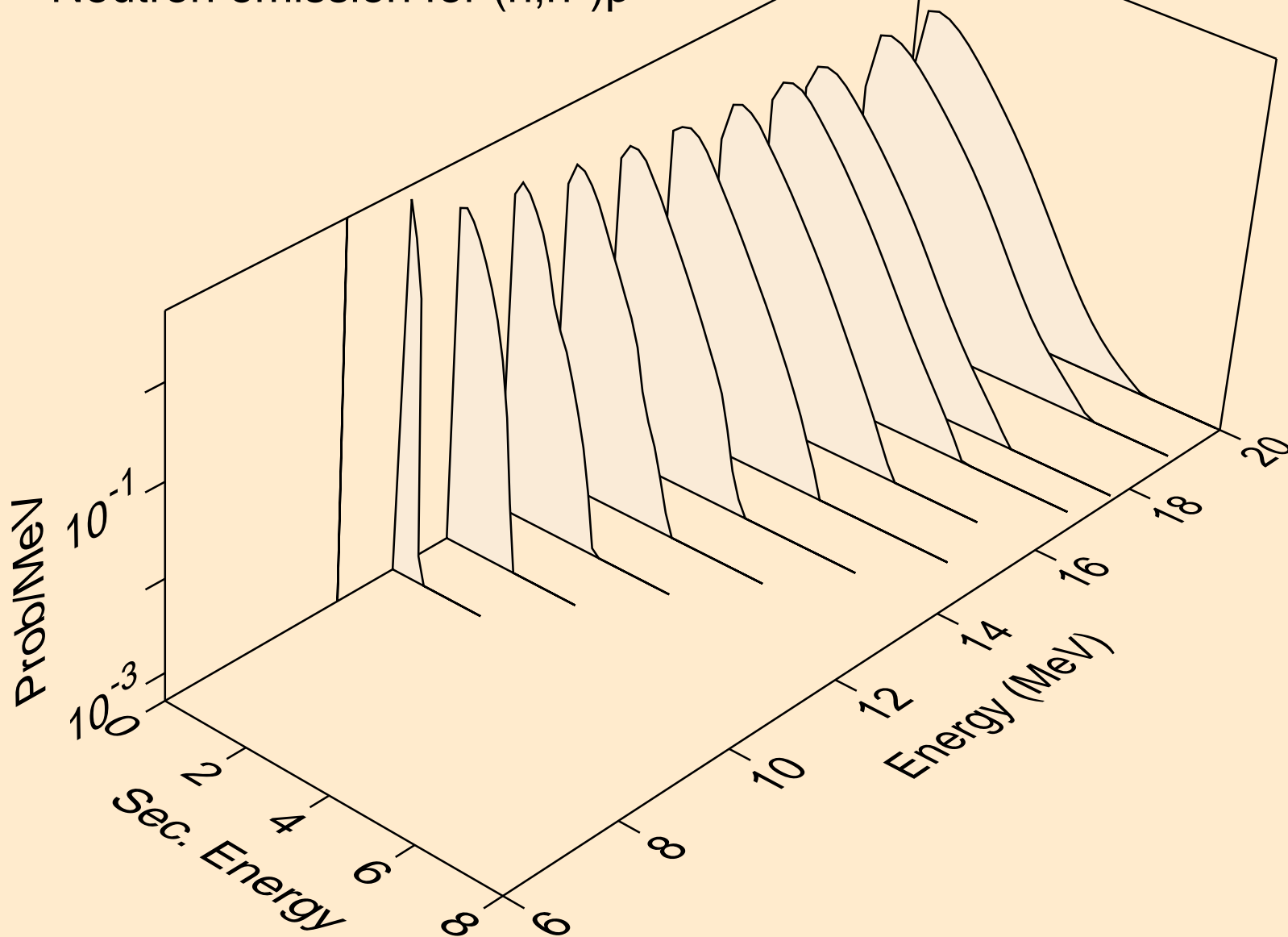
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,n\*)a



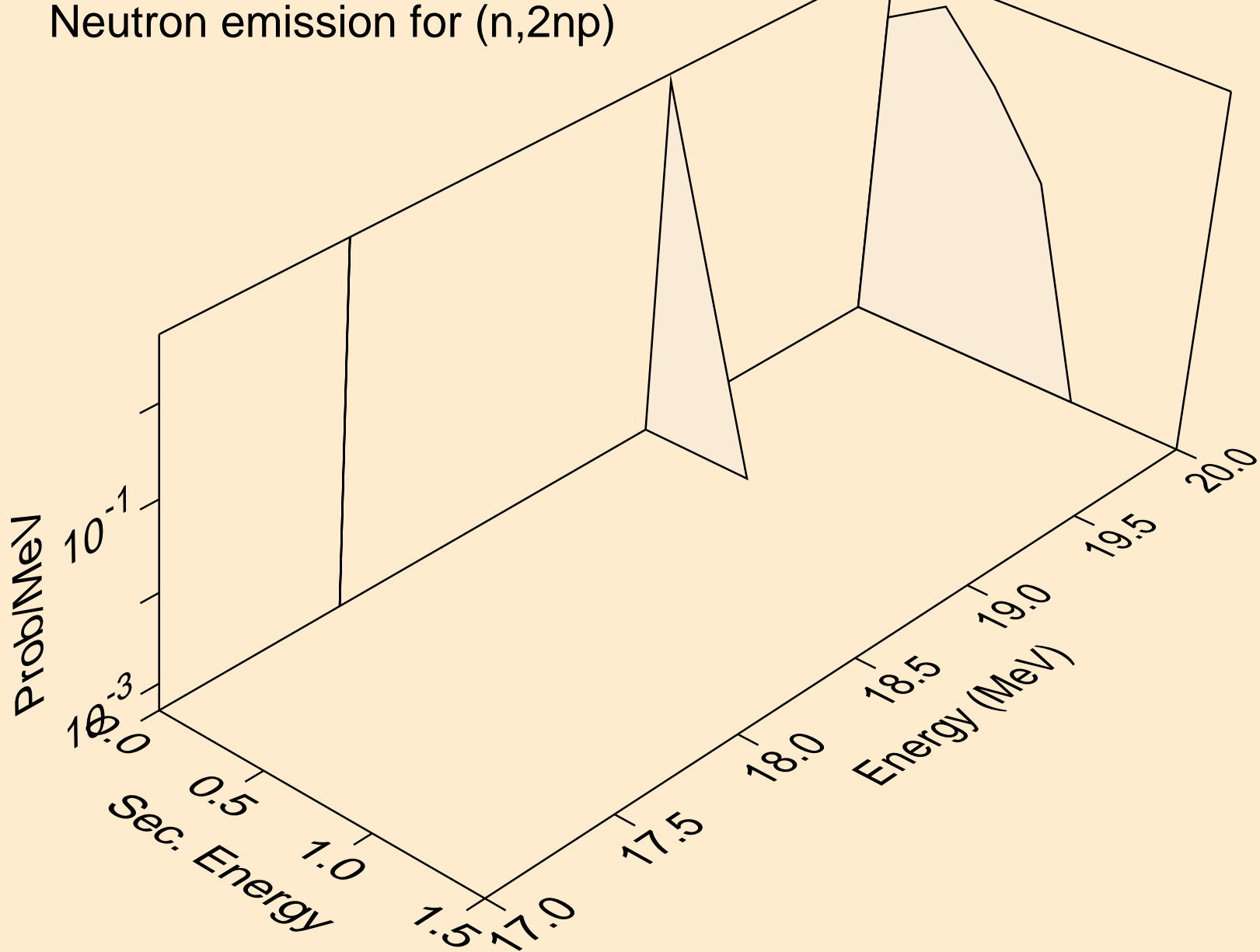
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,2n)a



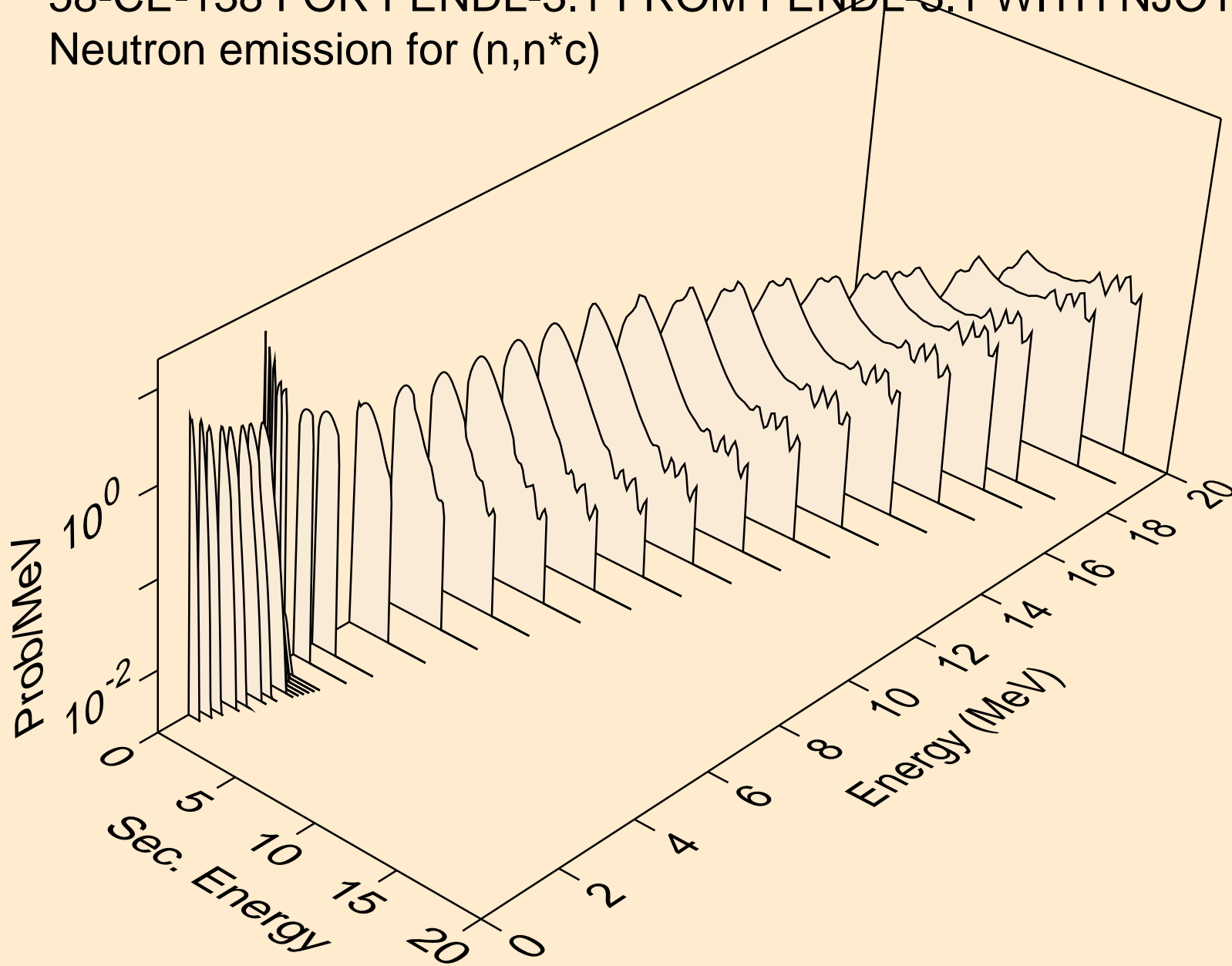
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,n\*)p



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,2np)

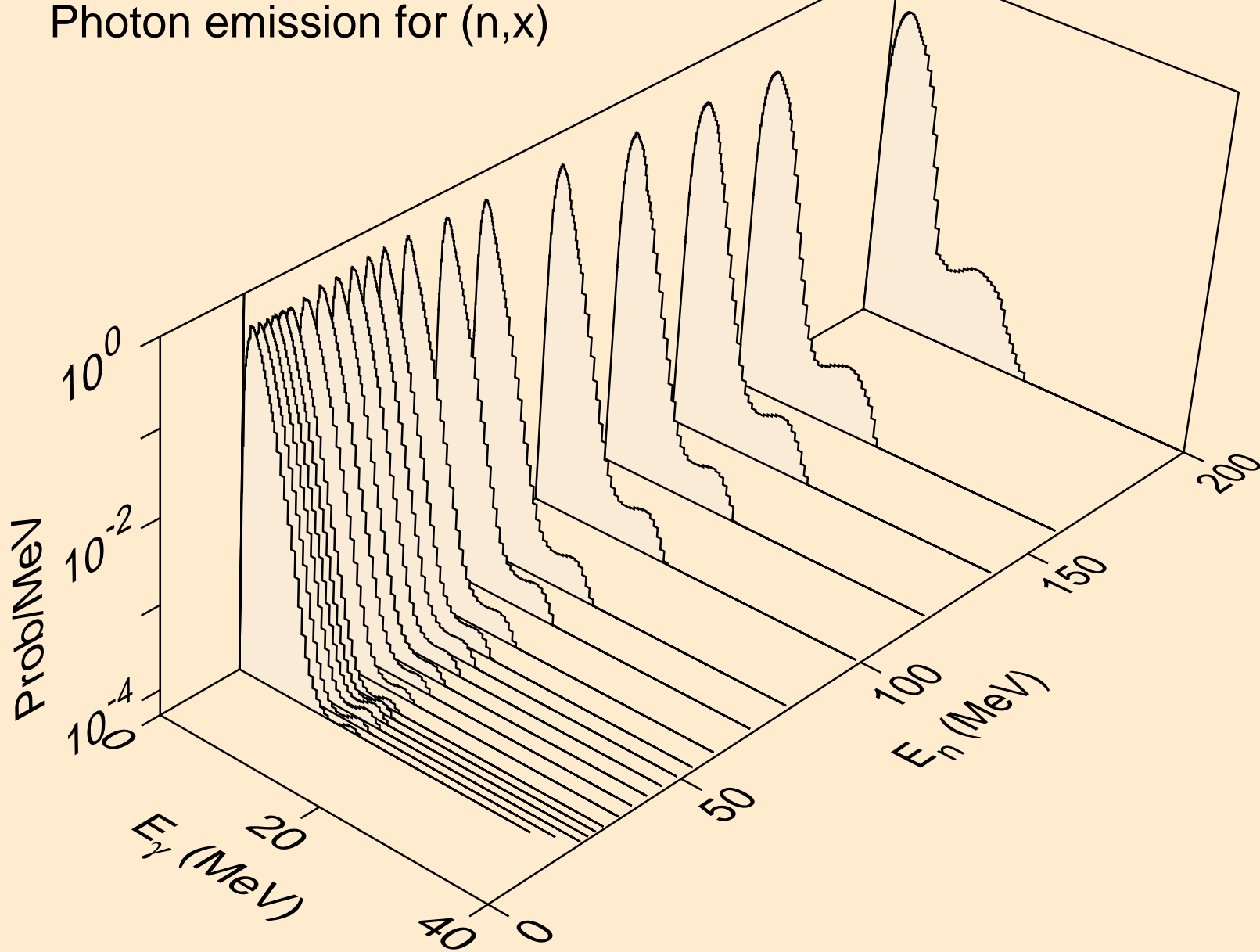


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Neutron emission for (n,n\*c)

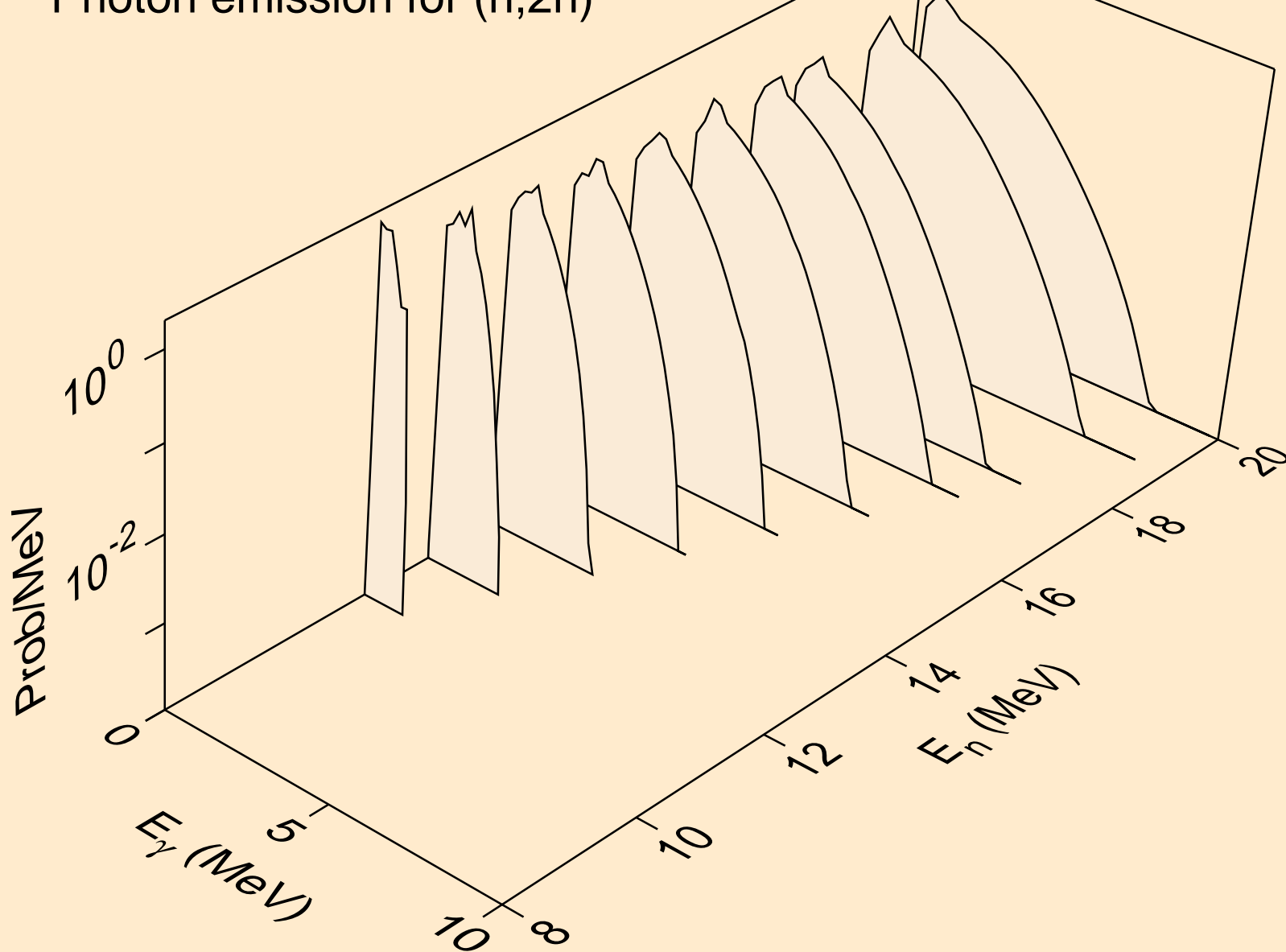




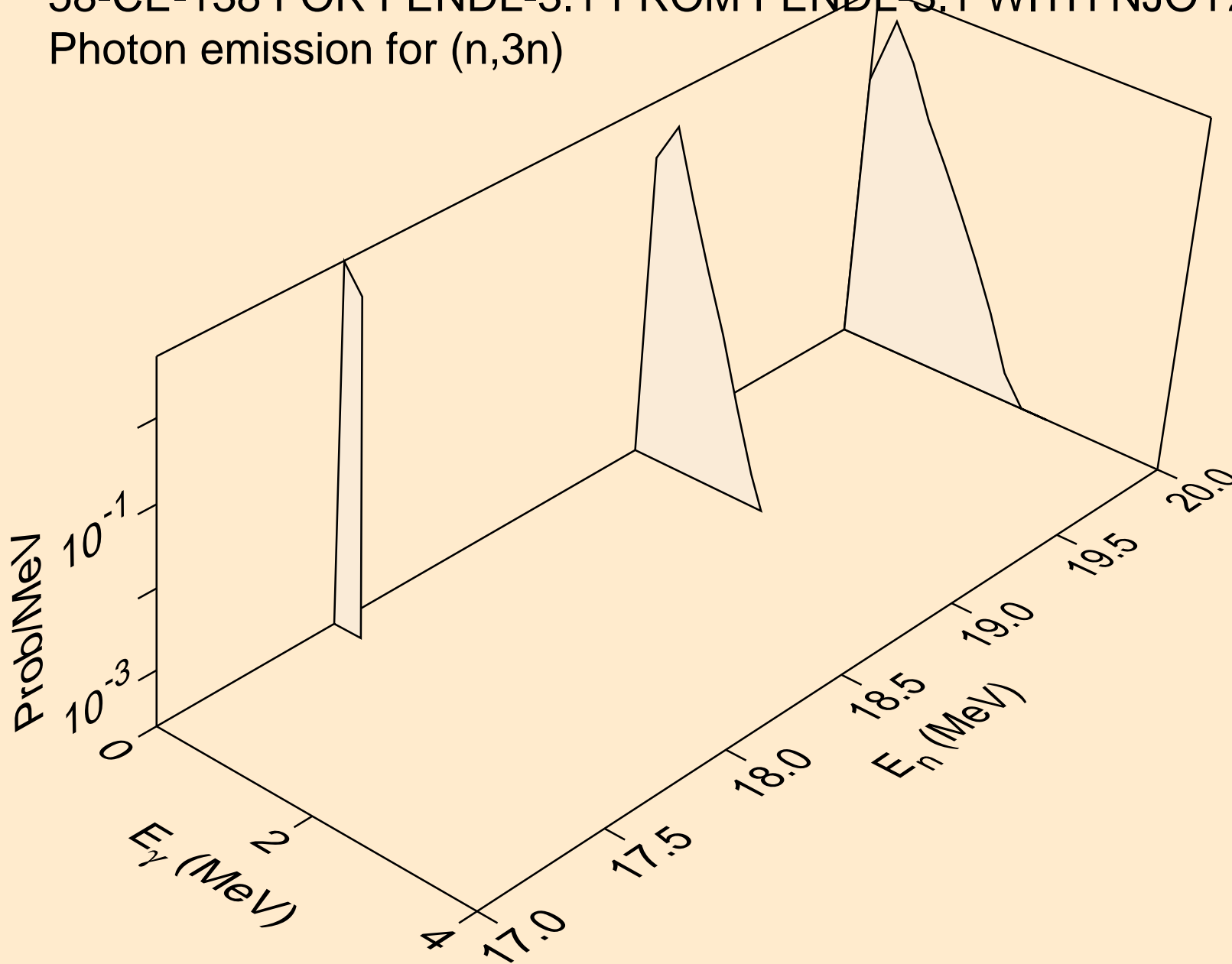
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,x)



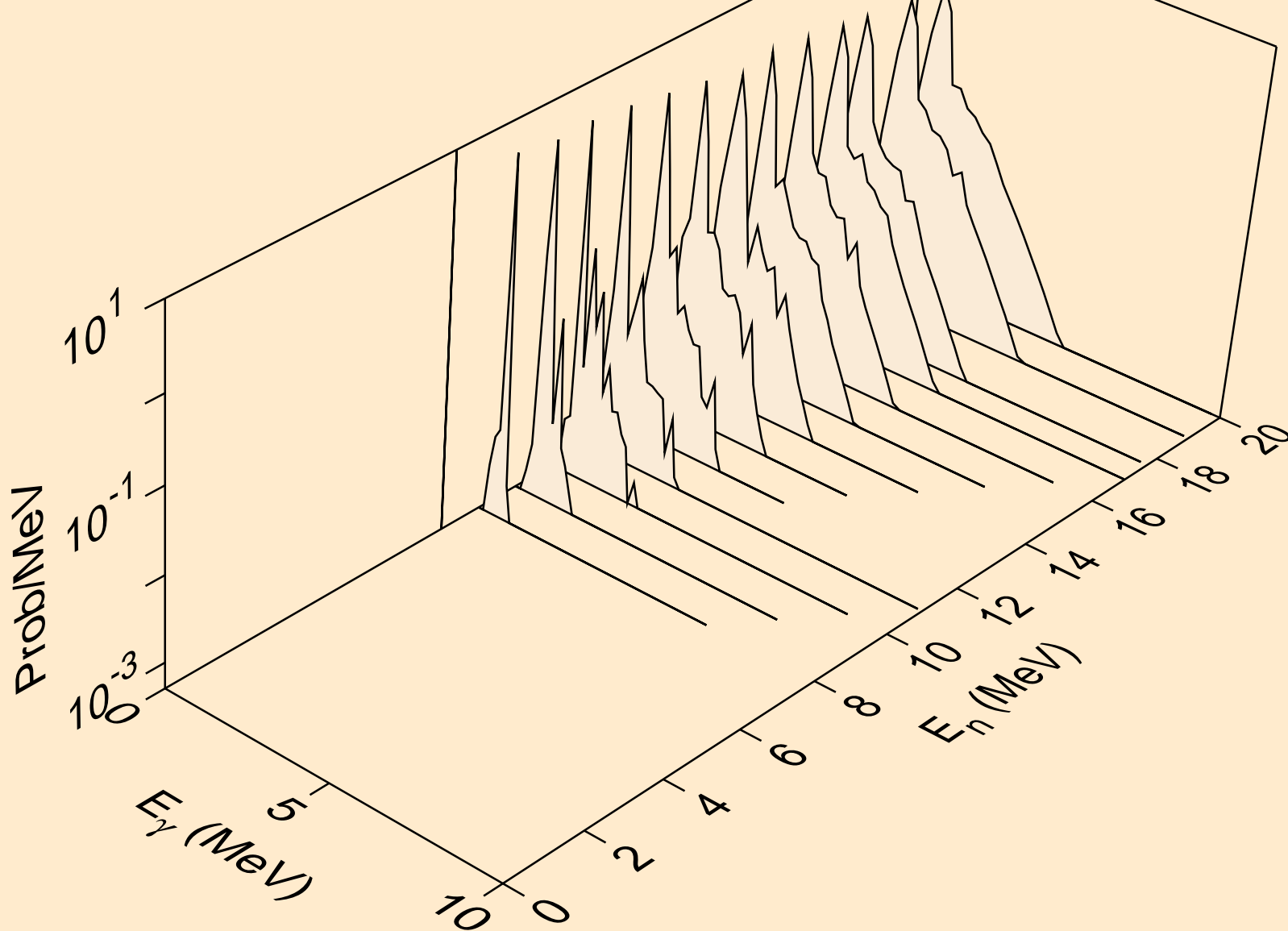
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,2n)



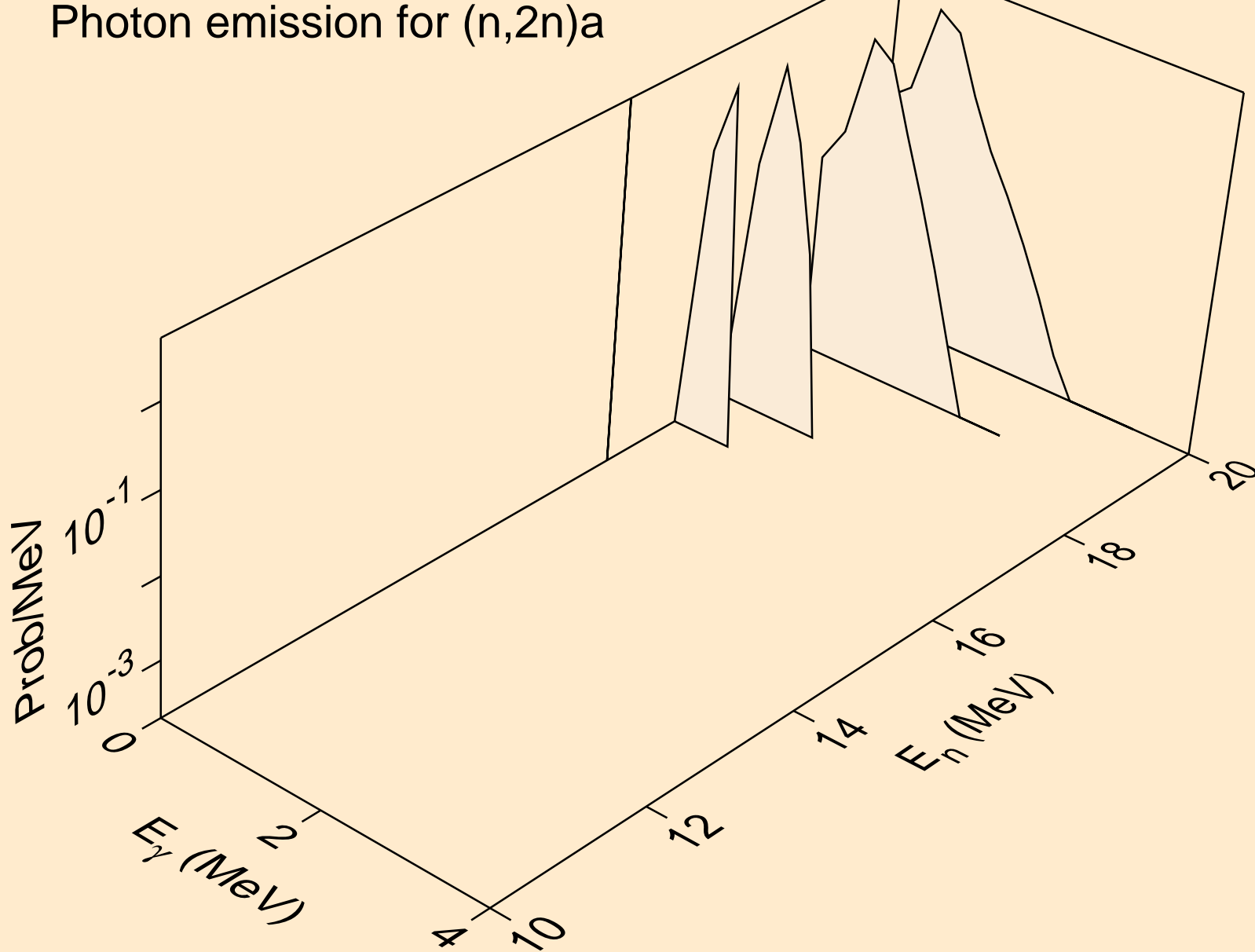
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,3n)



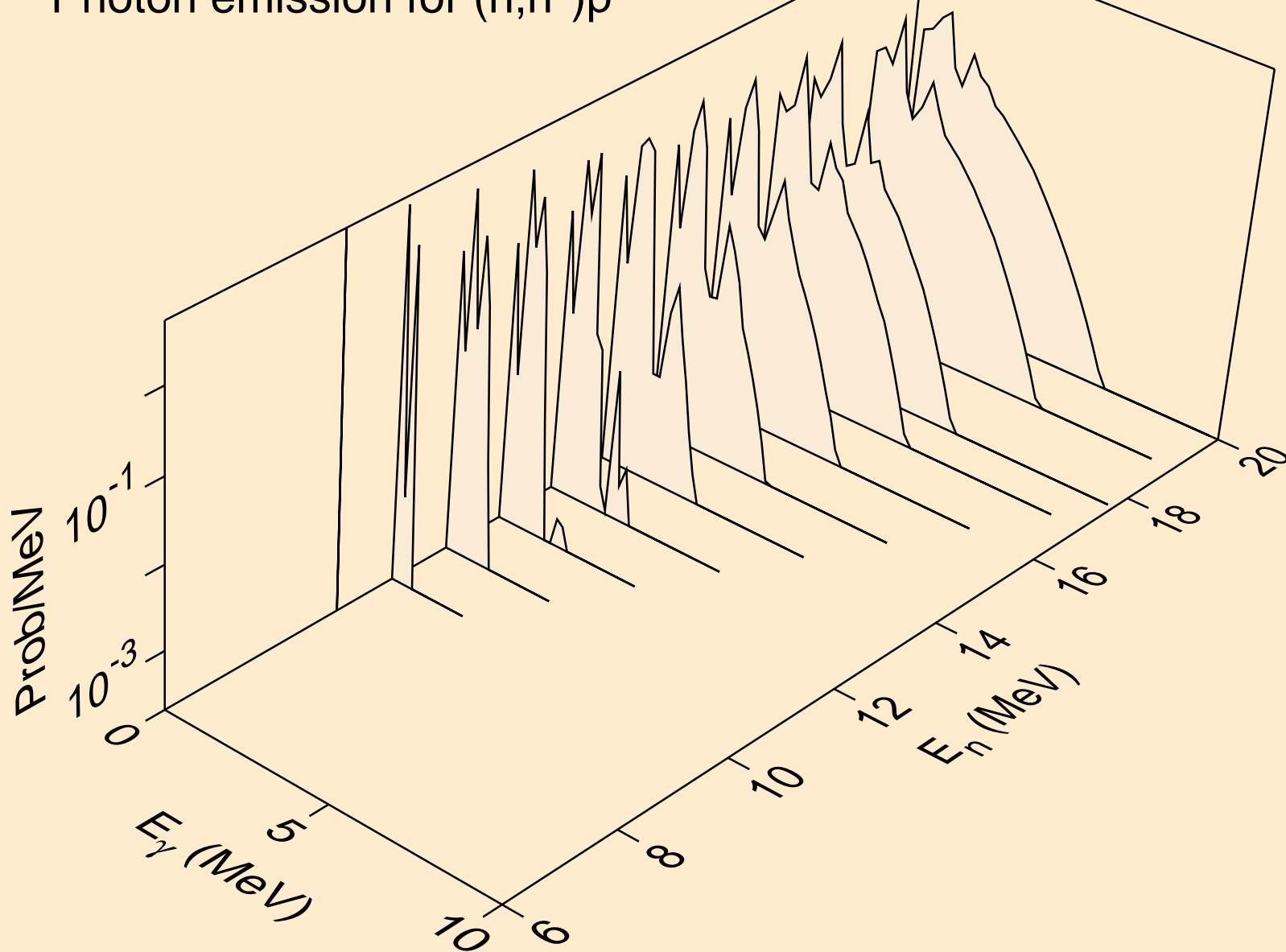
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,n\*)a



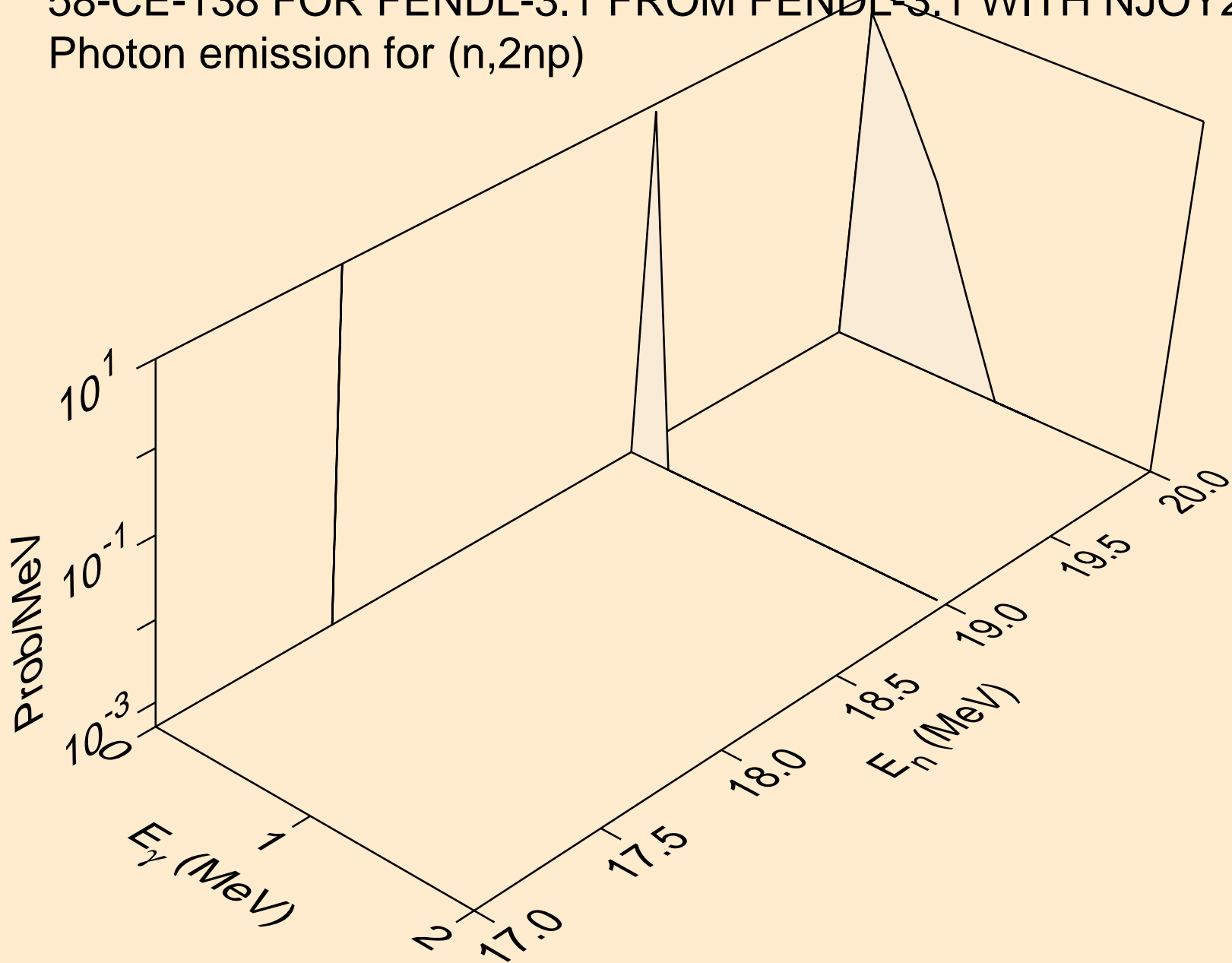
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,2n)a



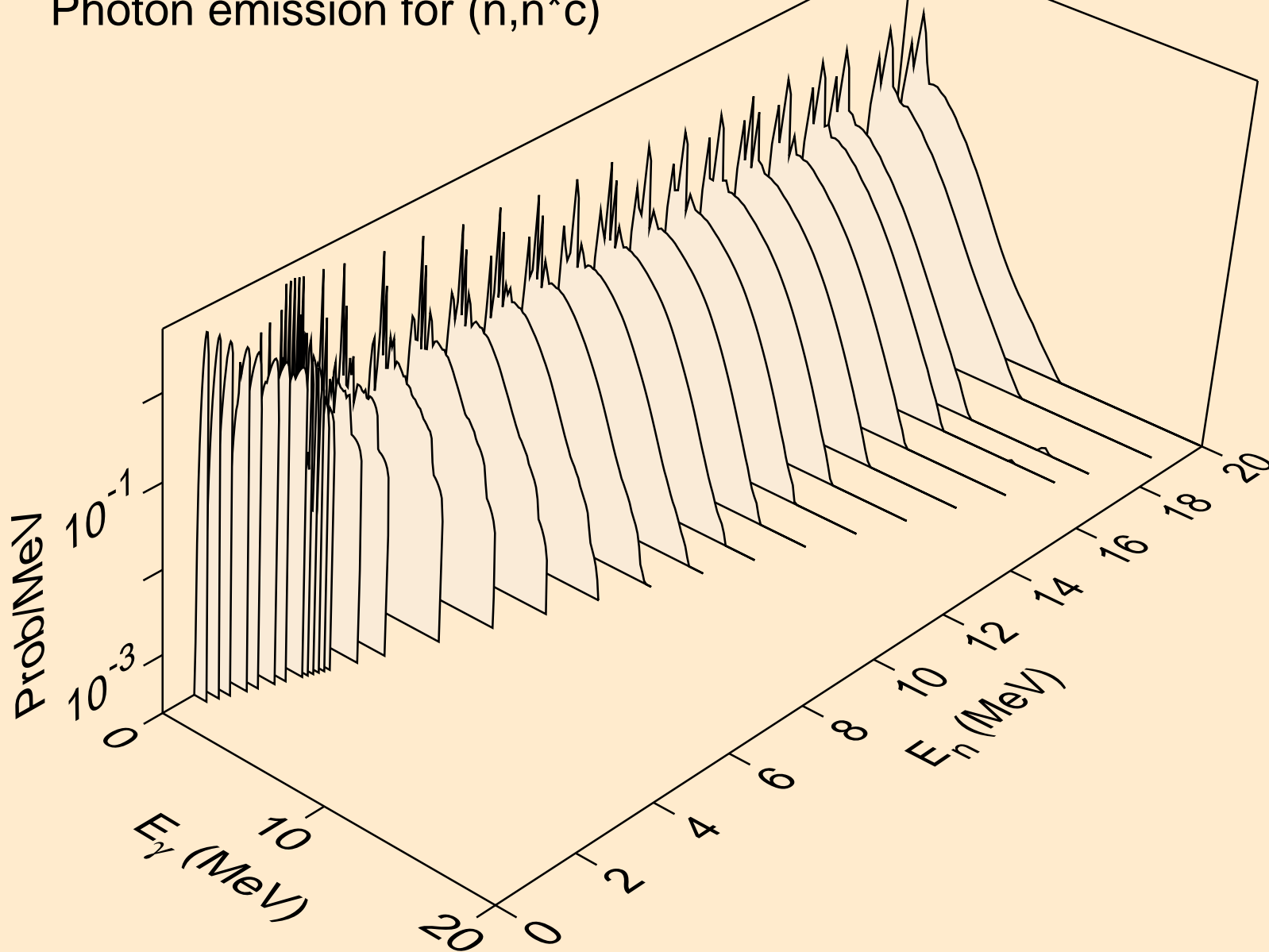
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,n\*)p



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,2np)

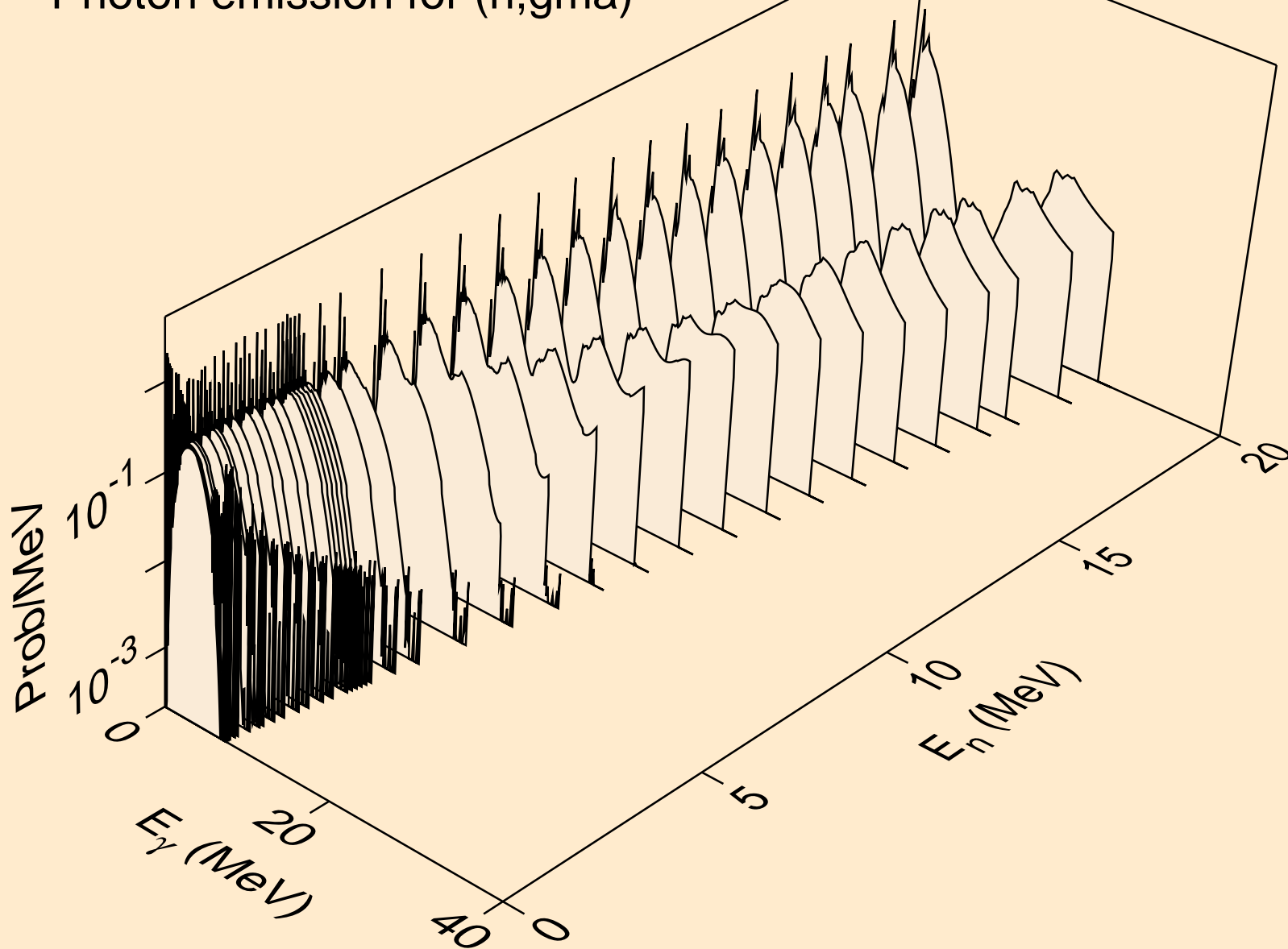


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,n\*c)

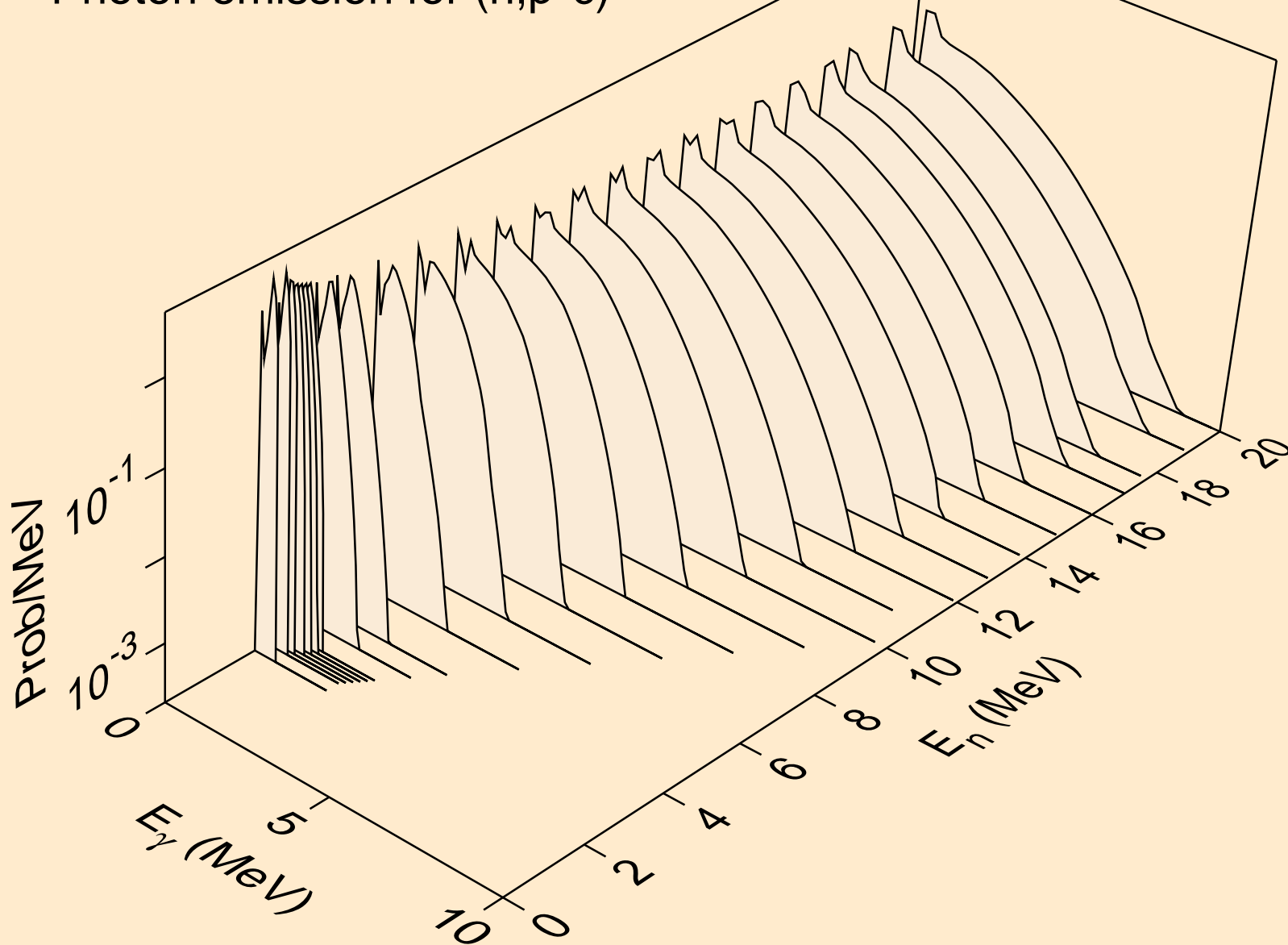




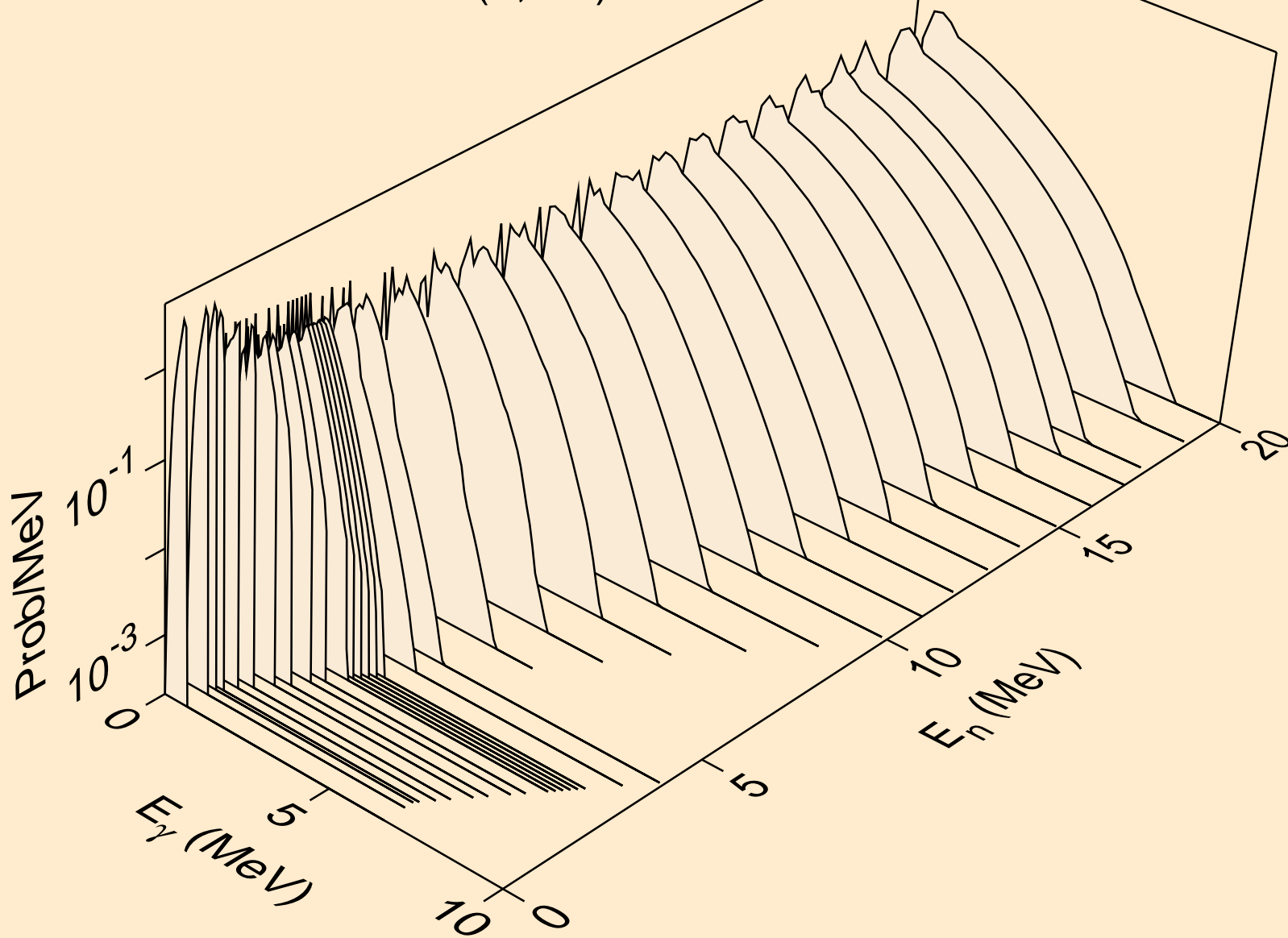
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,gma)



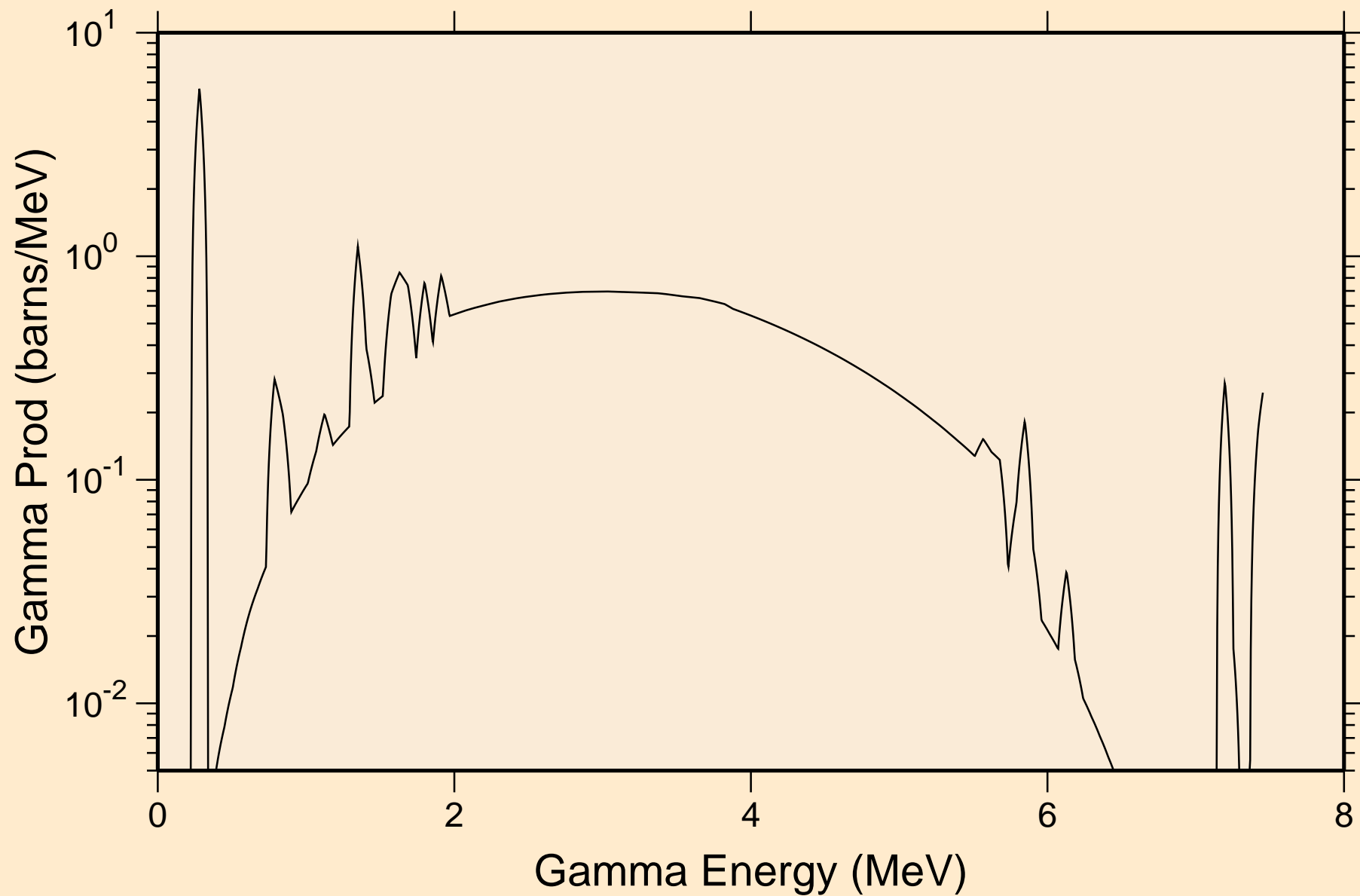
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,p\*c)



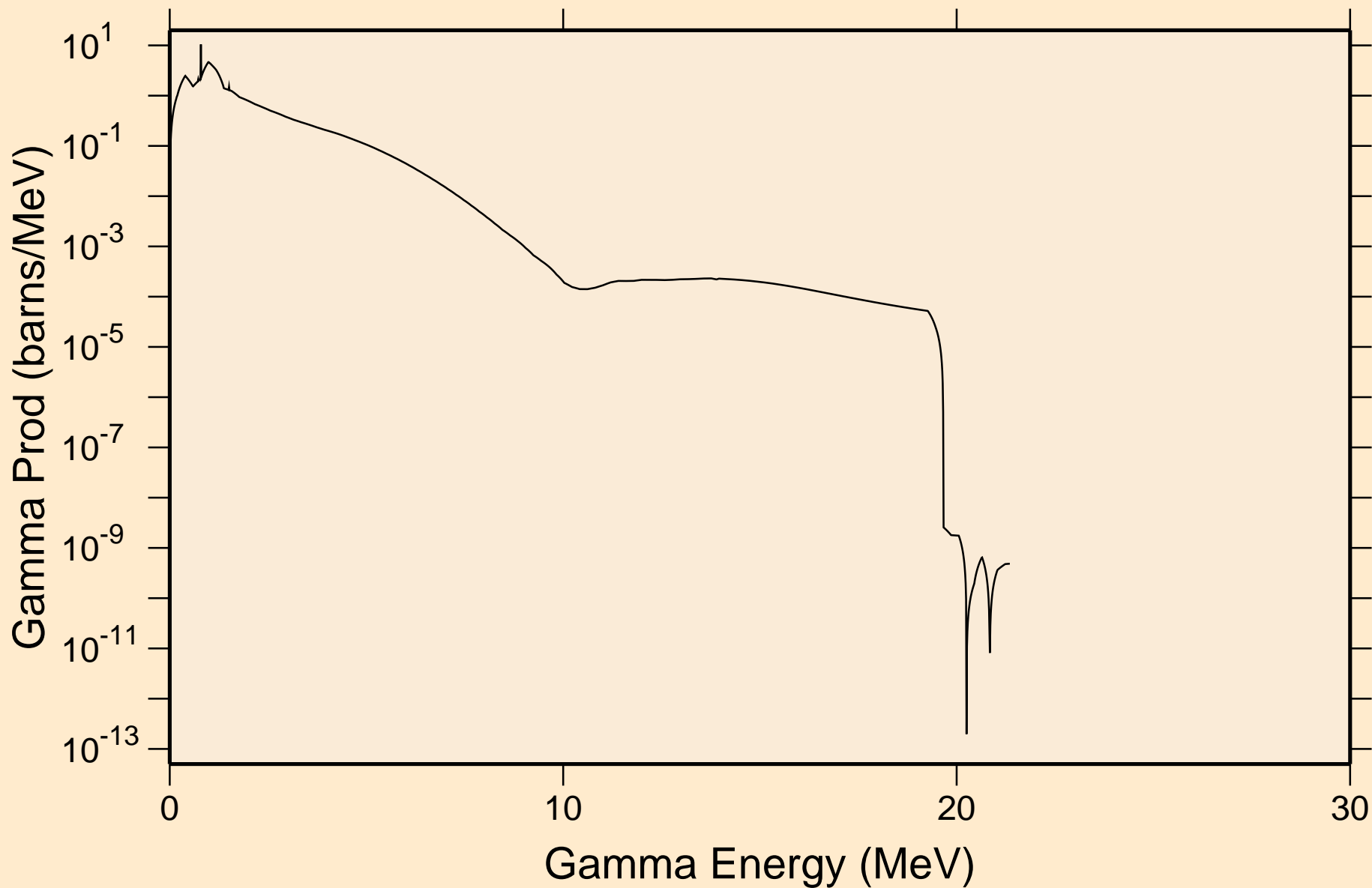
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Photon emission for (n,a\*c)



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
thermal capture photon spectrum

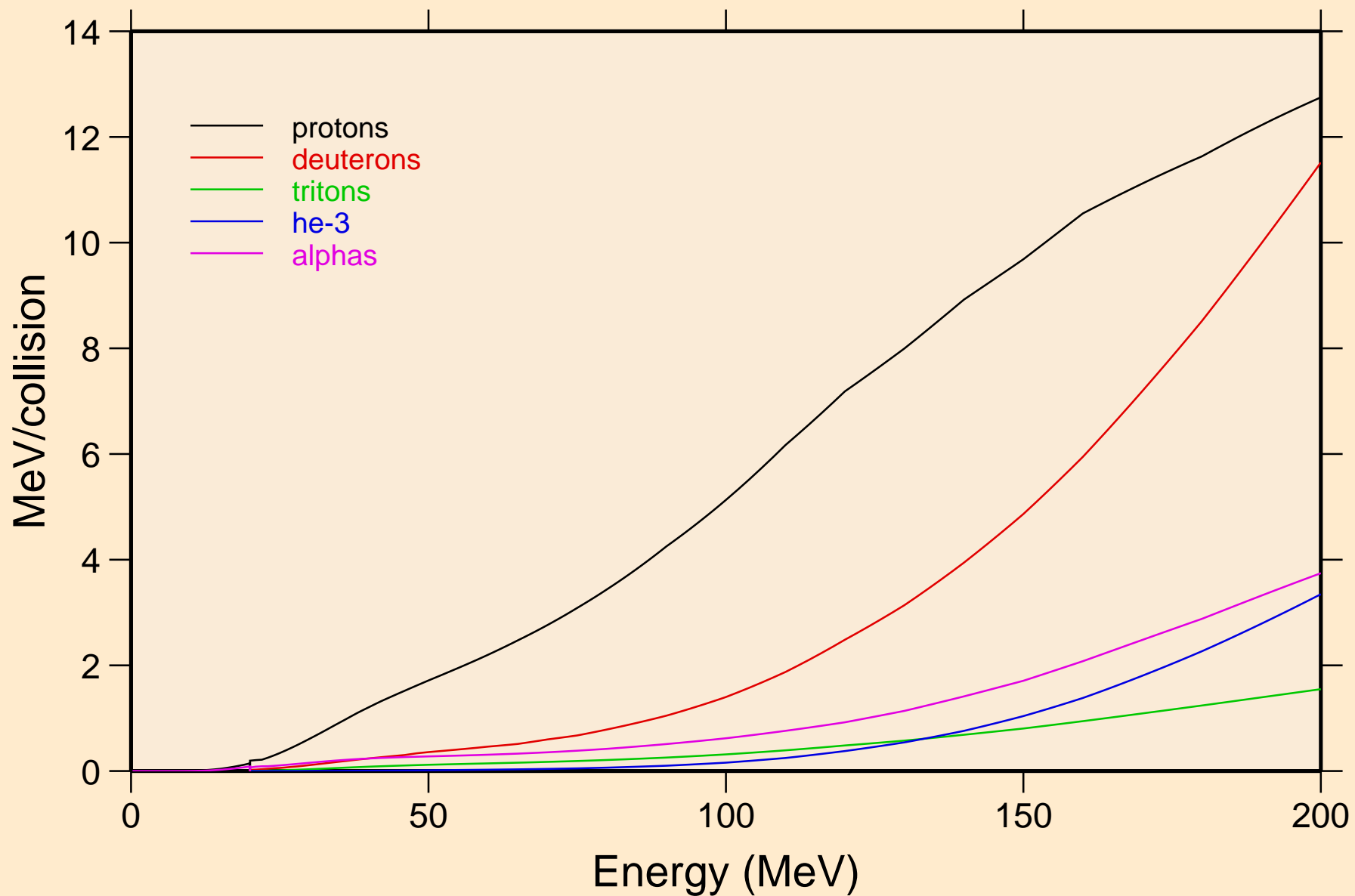


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
14 MeV photon spectrum



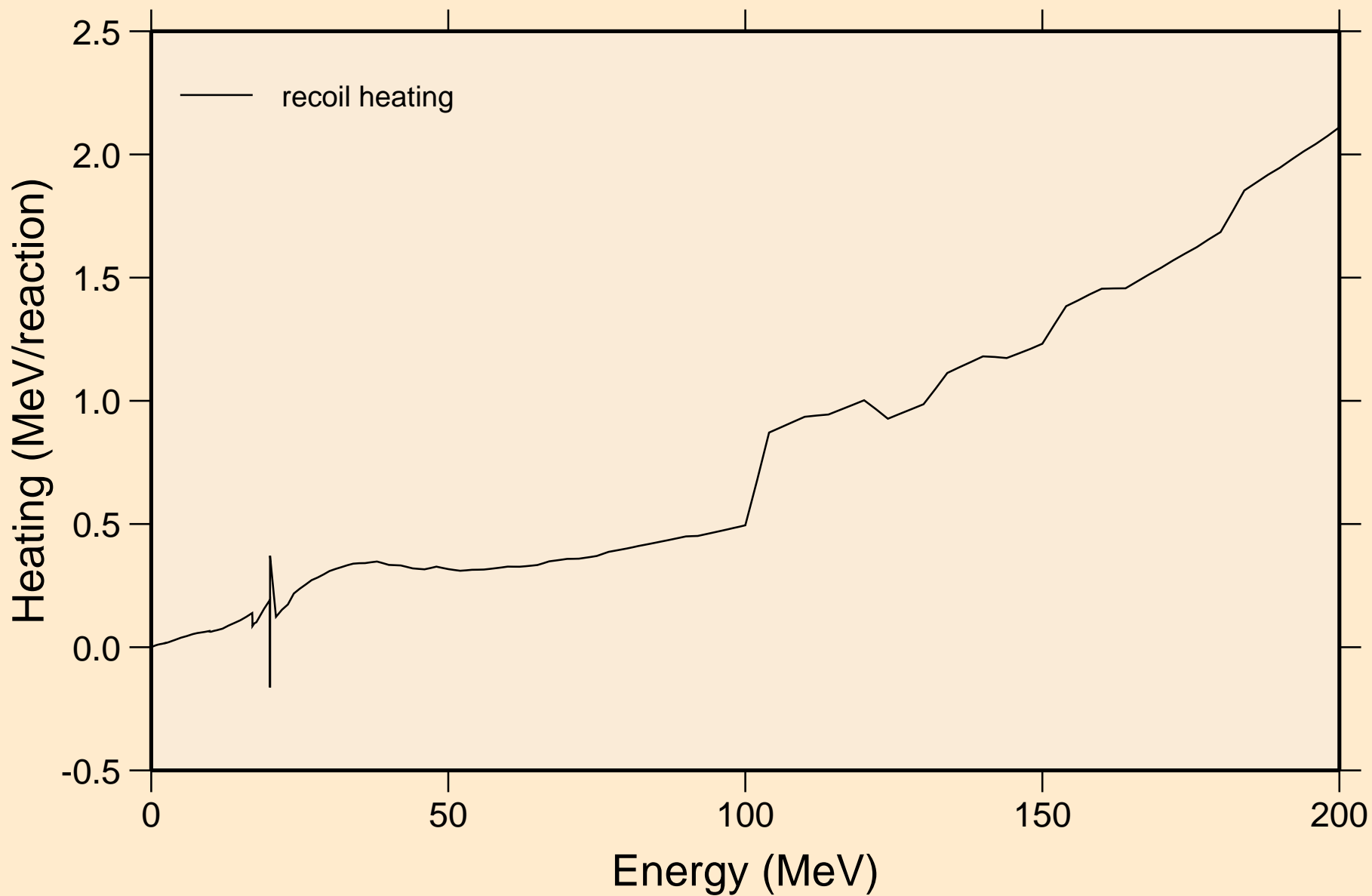
# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50

## Particle heating contributions

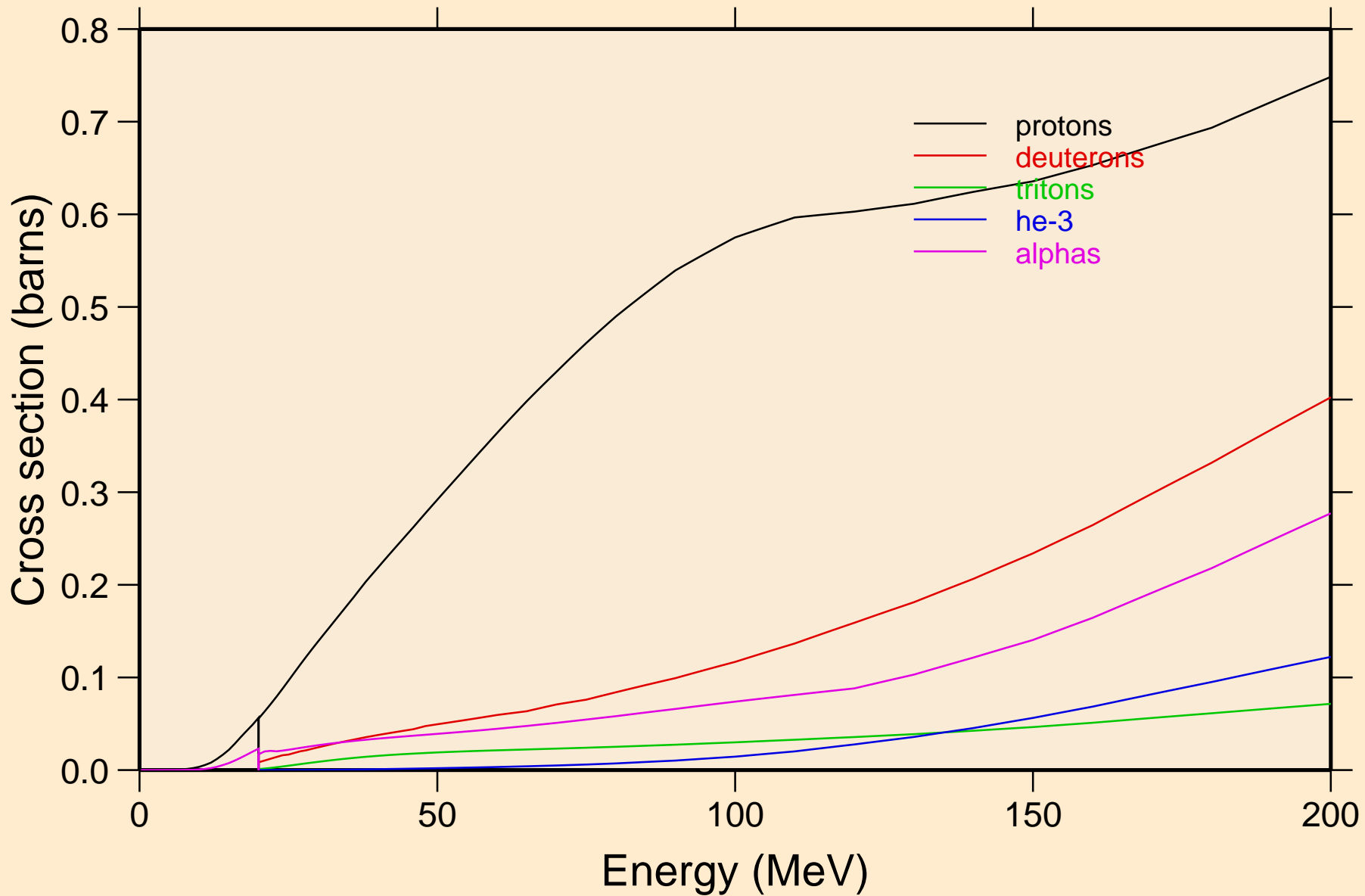


# 58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50

## Recoil Heating

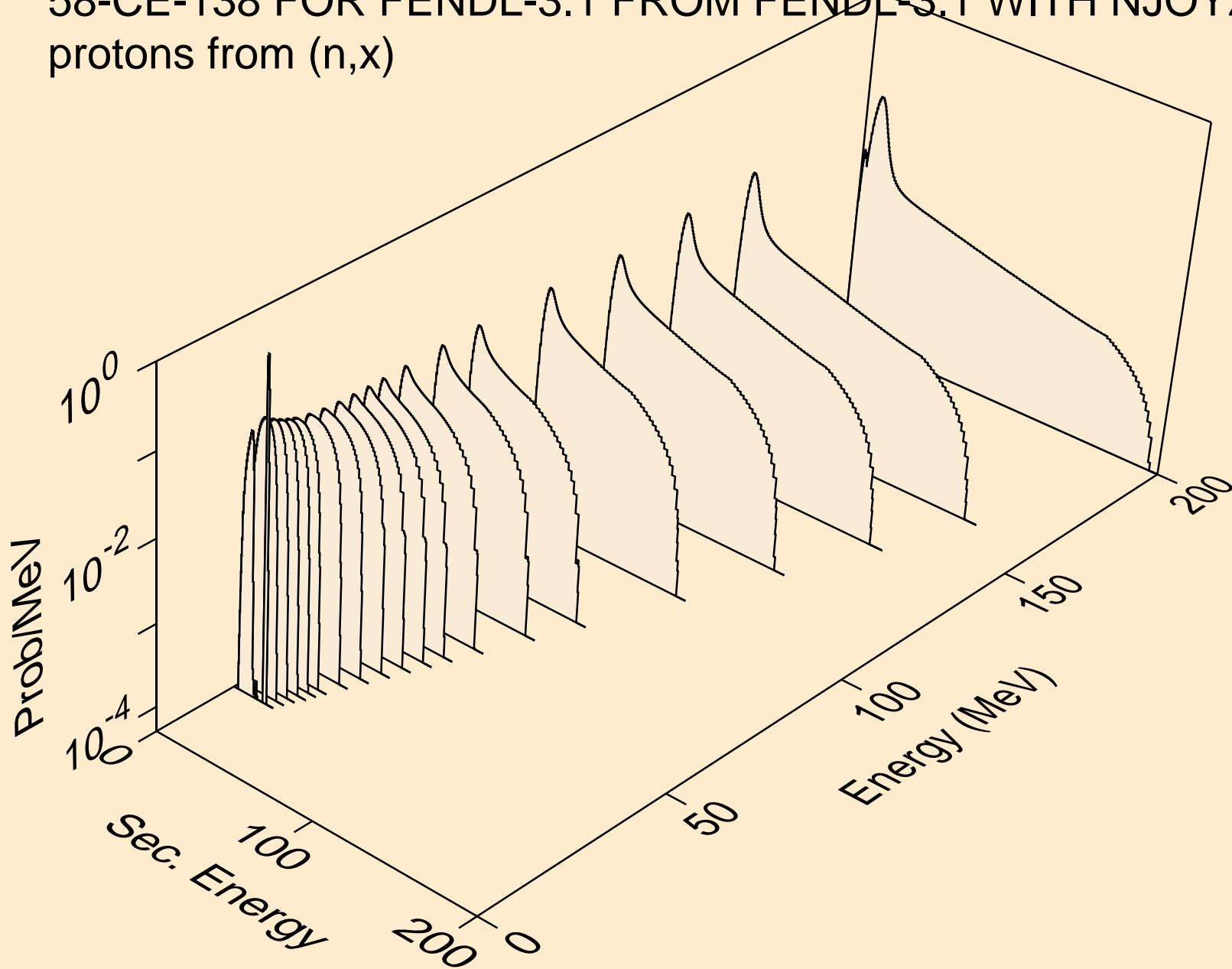


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
Particle production cross sections

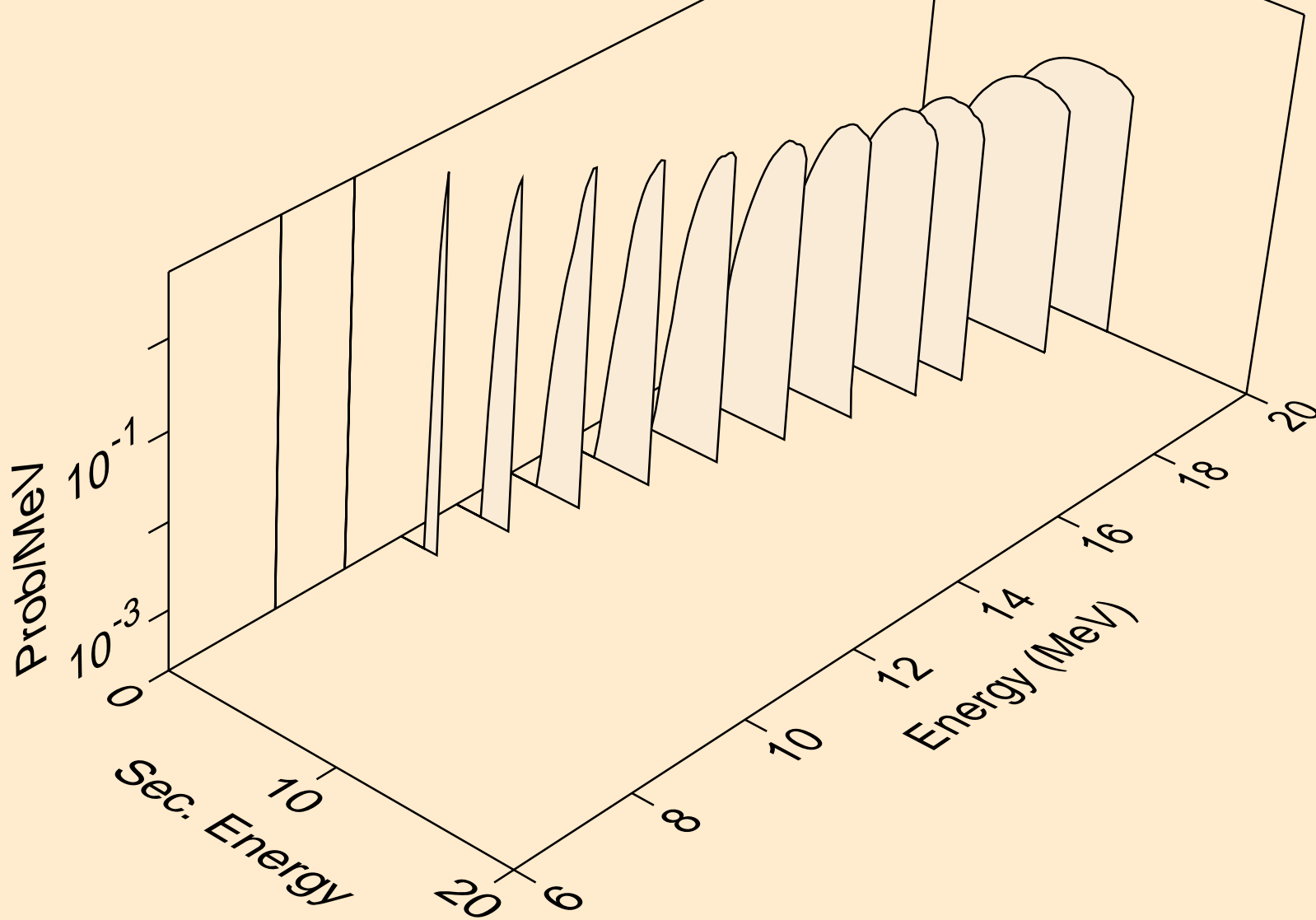




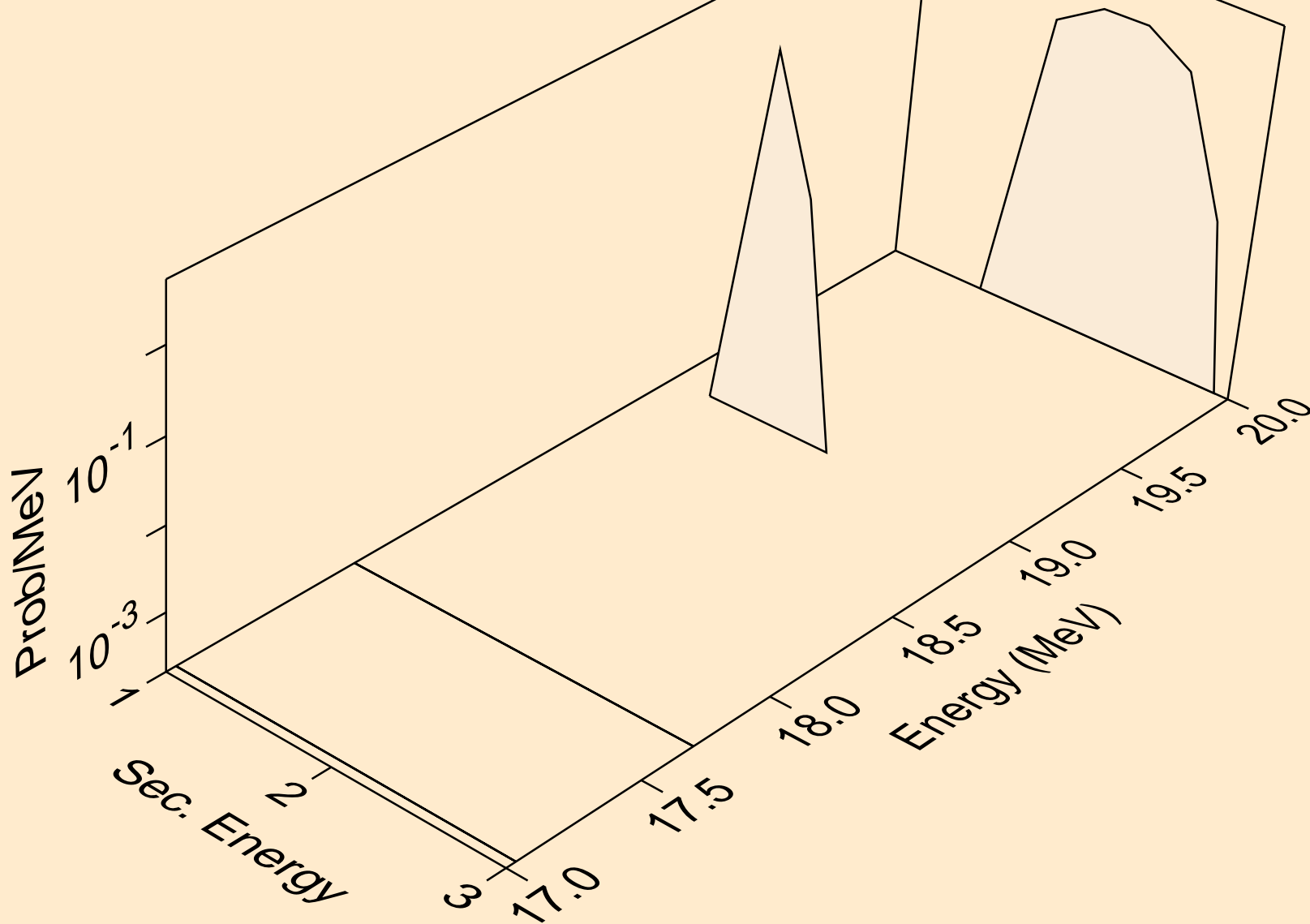
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
protons from (n,x)



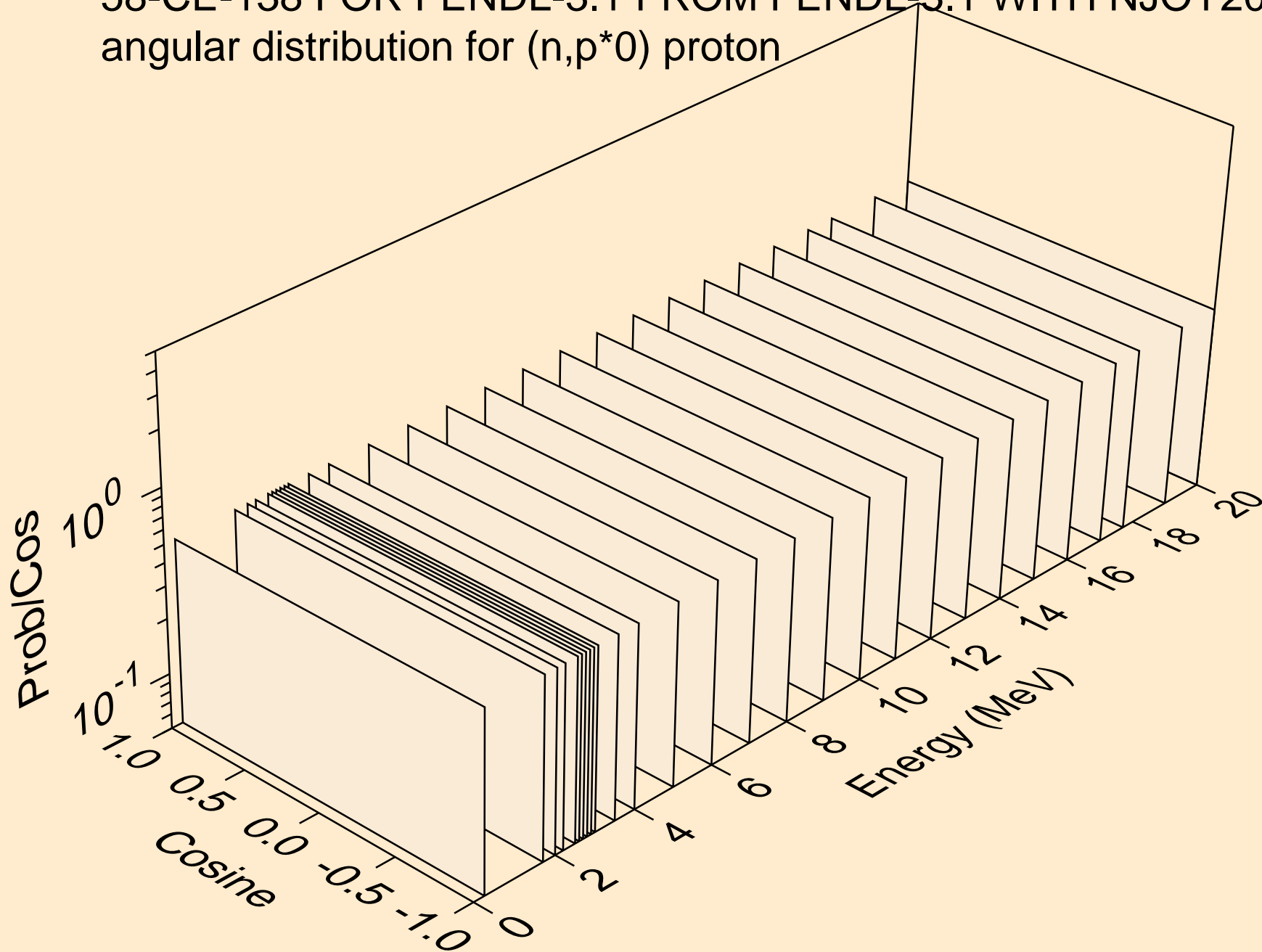
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
protons from (n,n\*)p



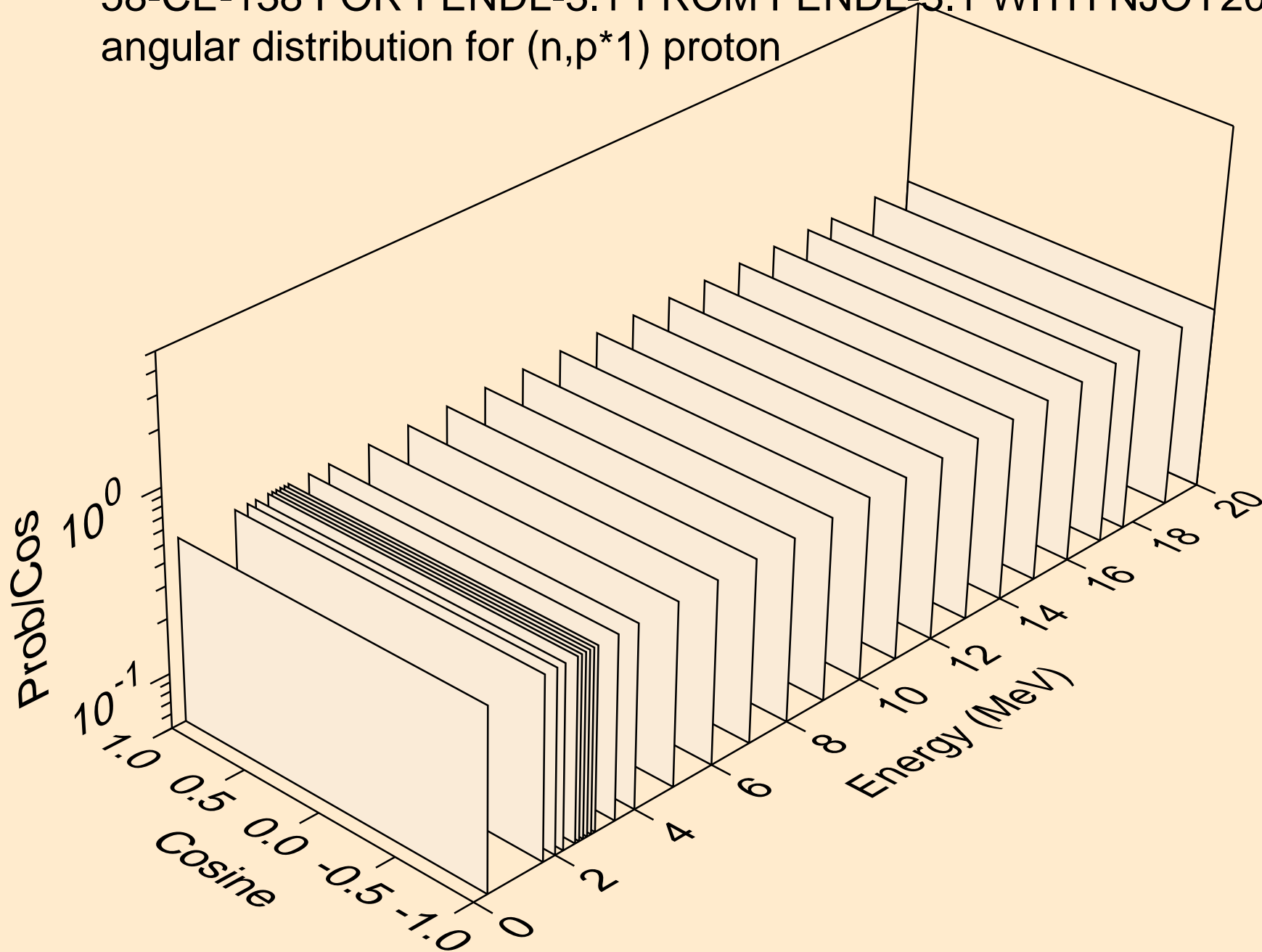
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
protons from (n,2np)



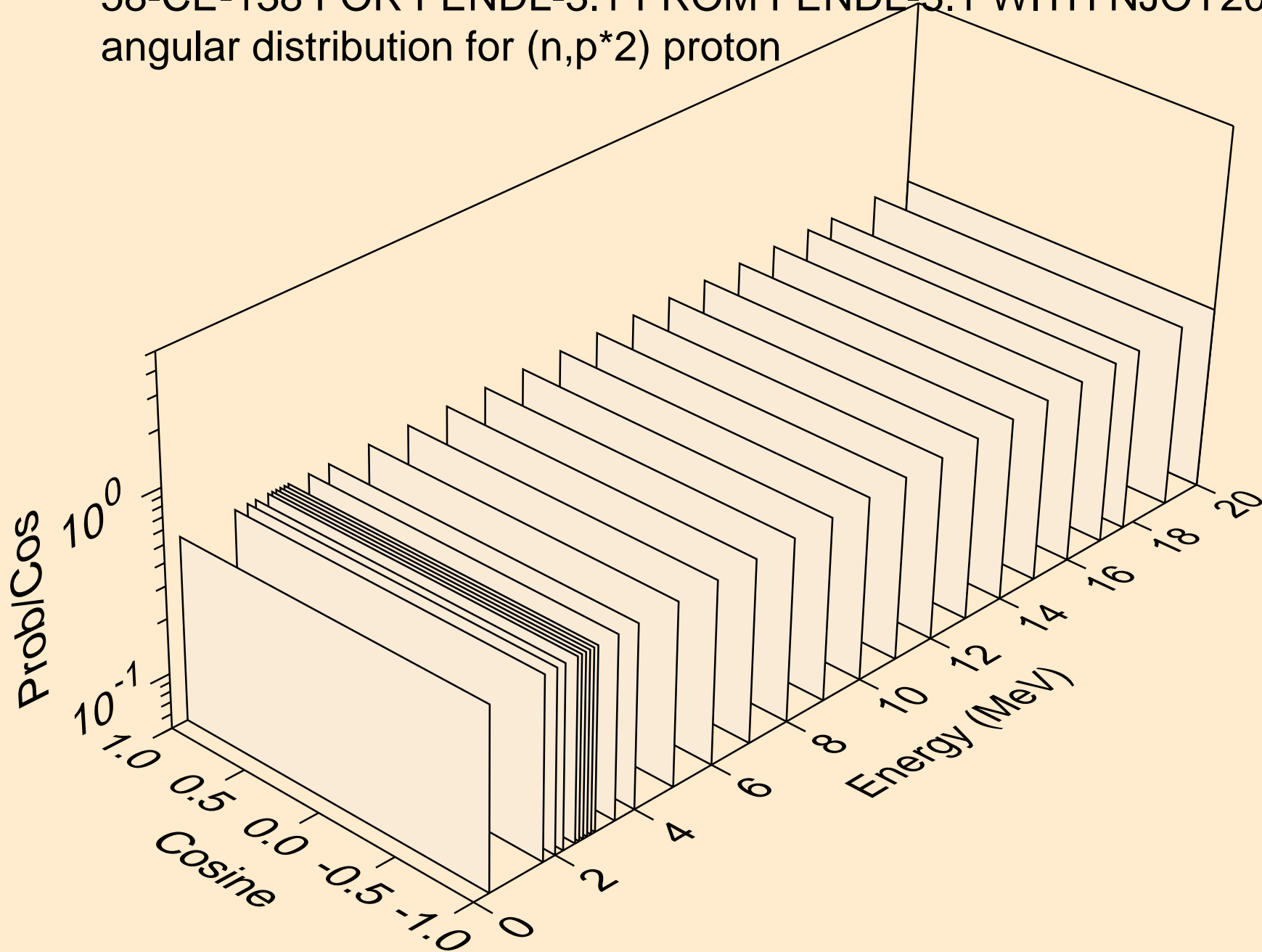
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*0) proton



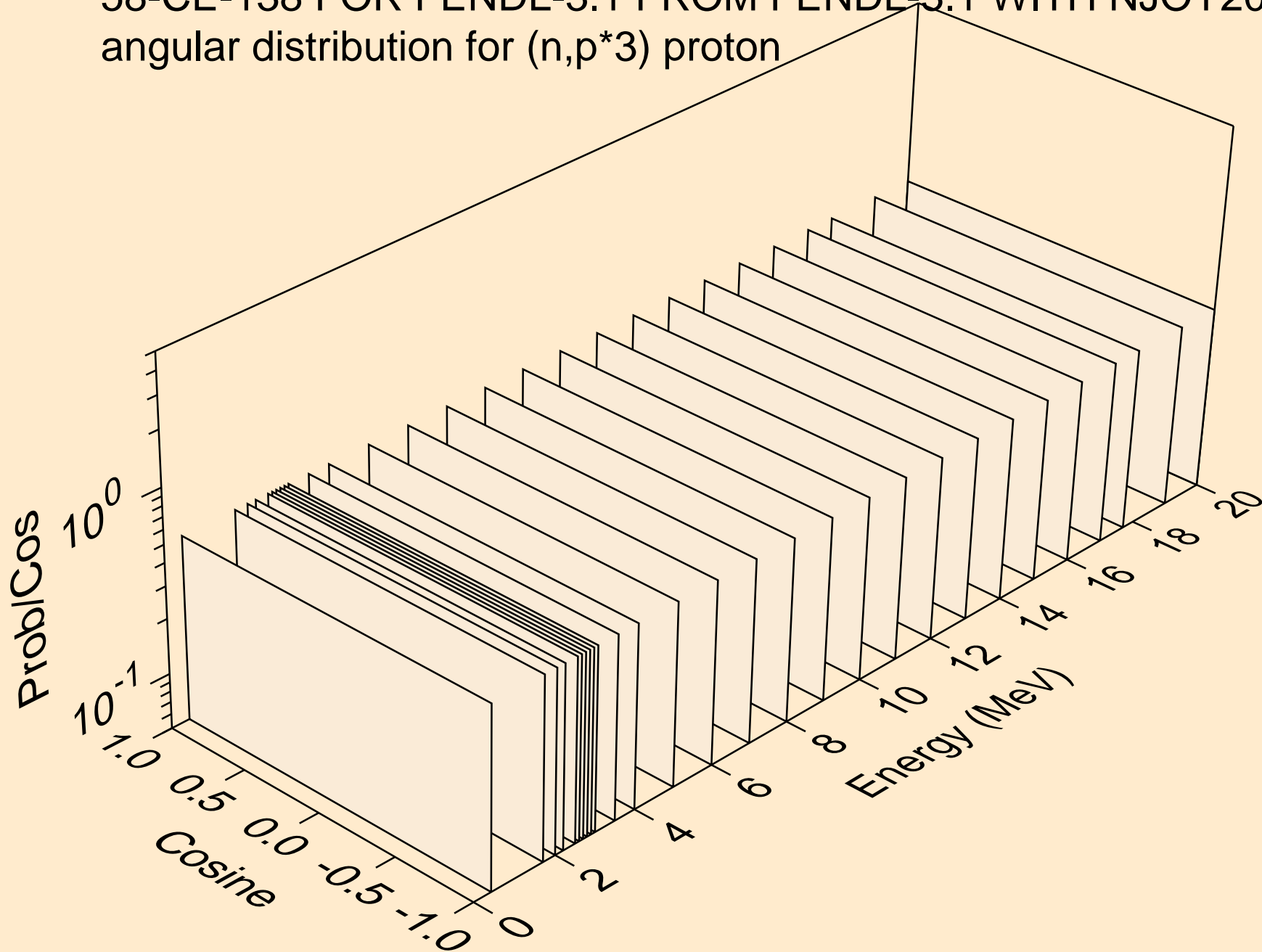
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*1) proton



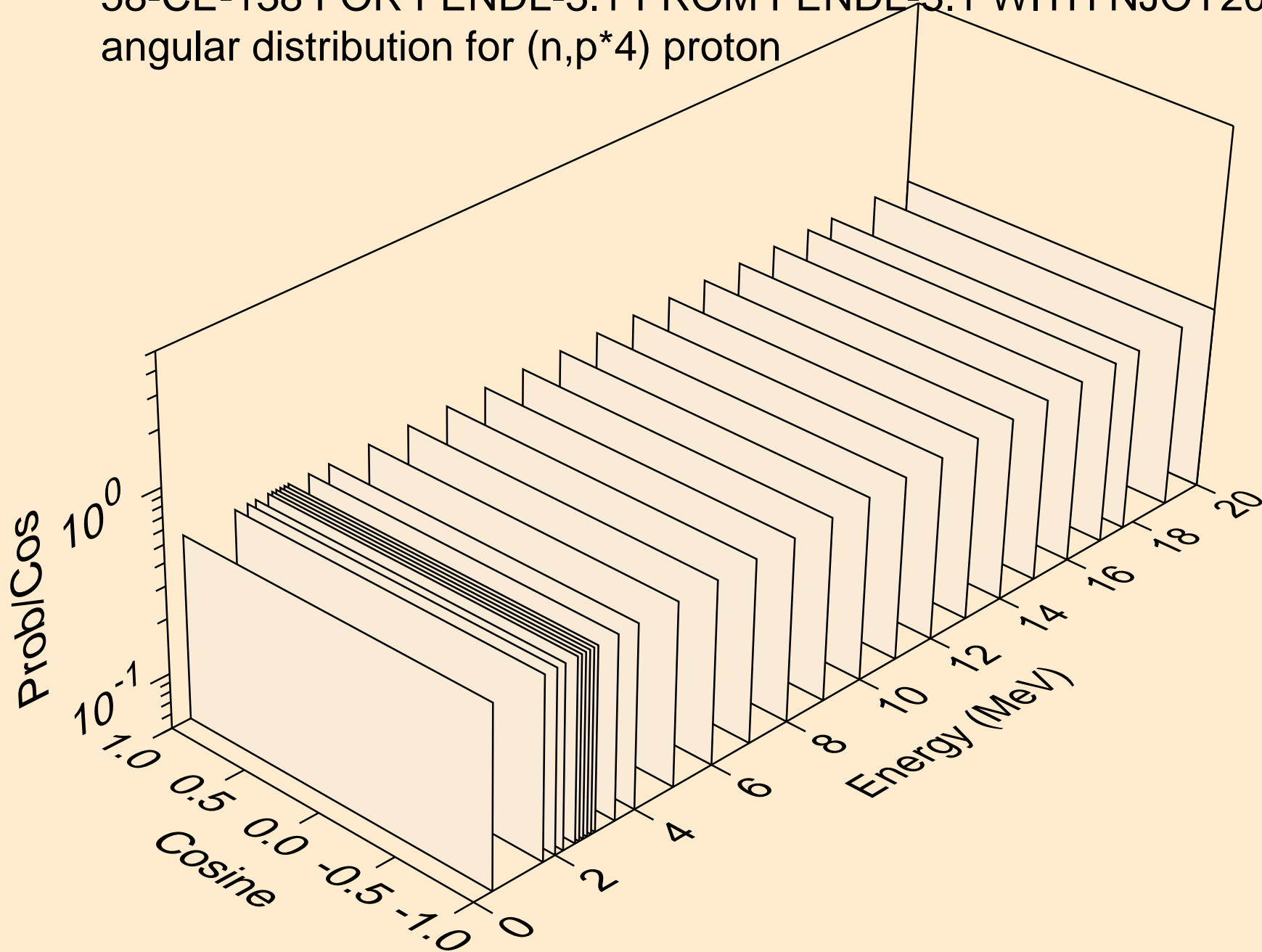
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*2) proton



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*3) proton

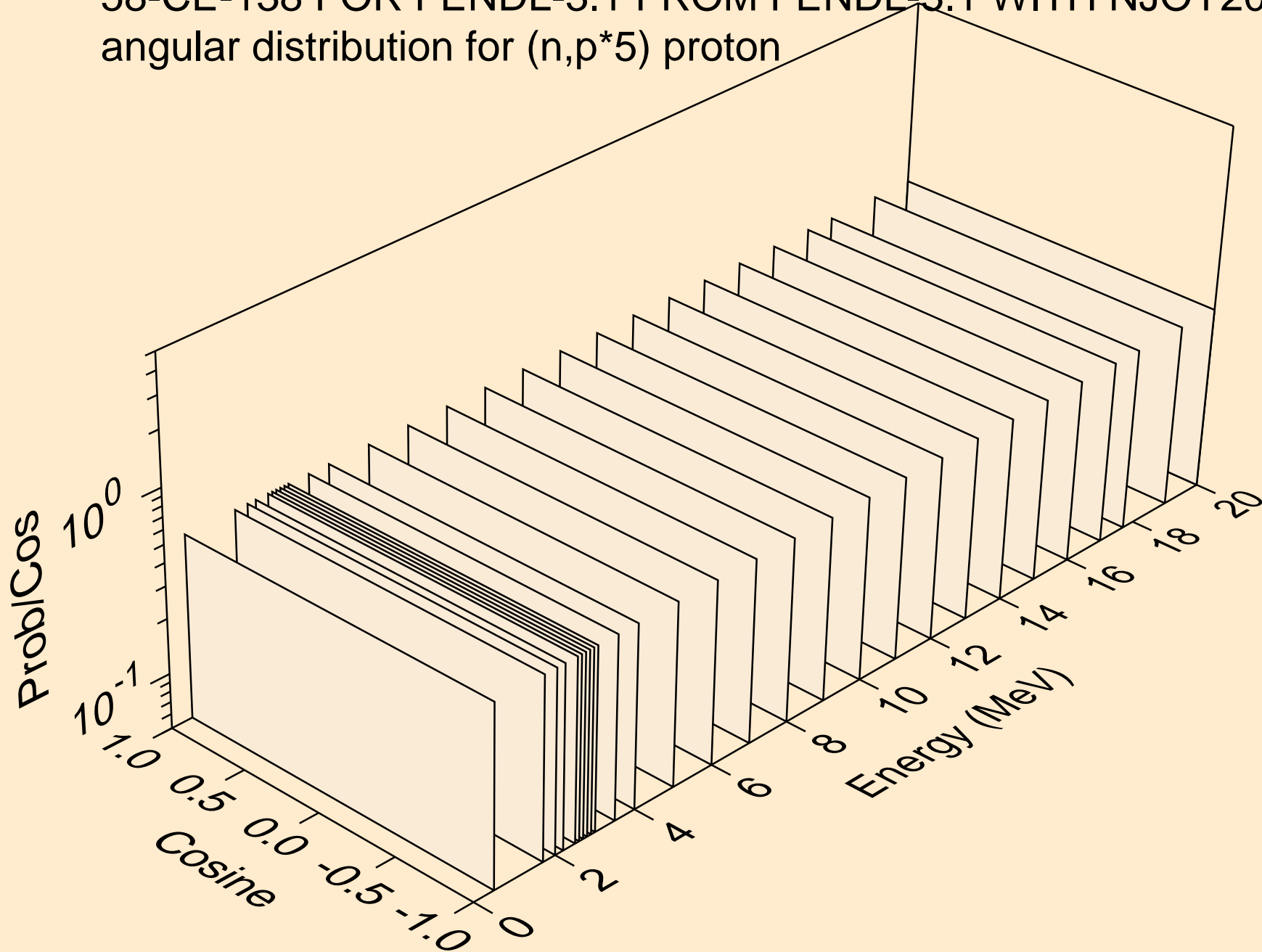


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*4) proton

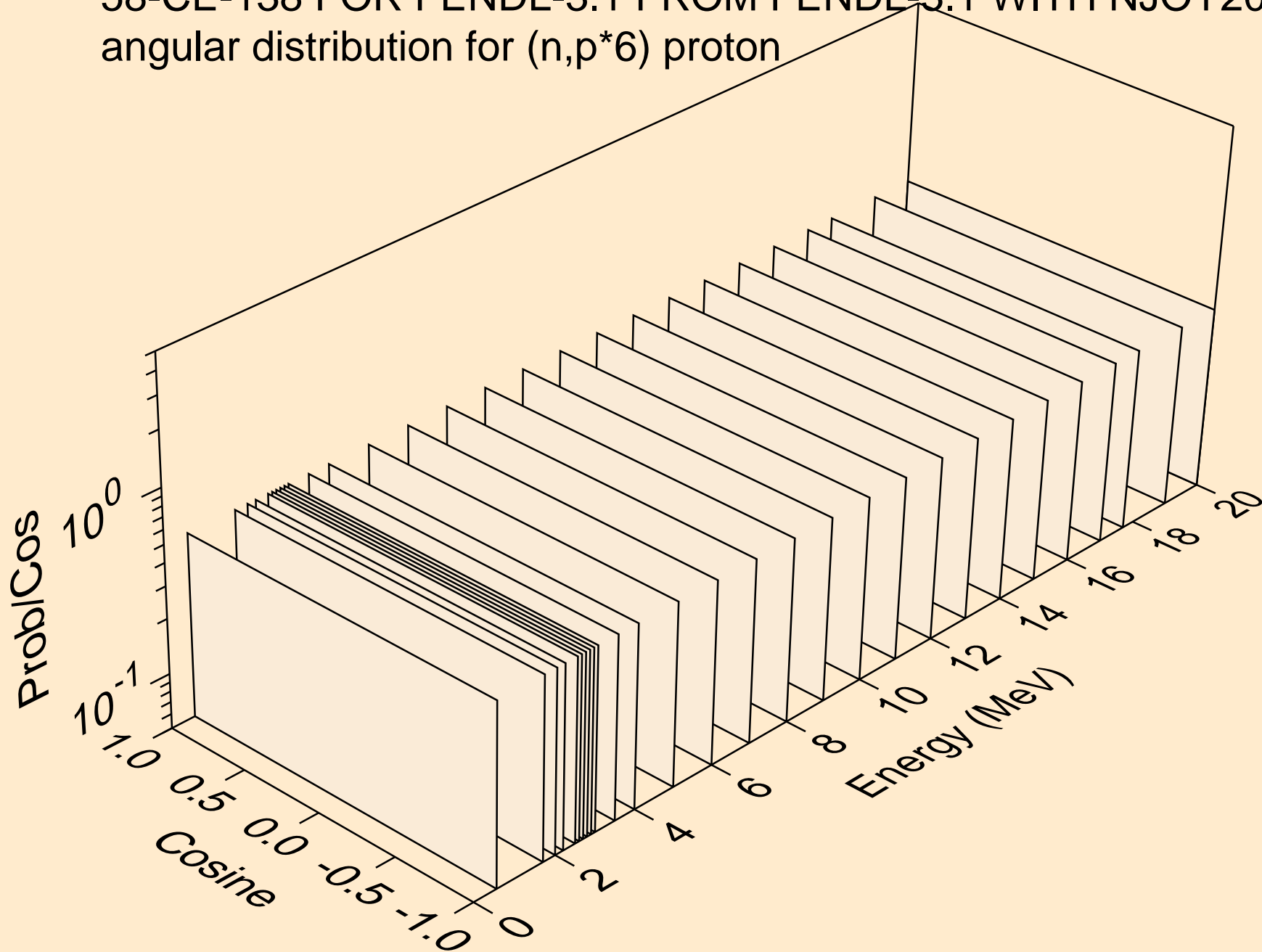




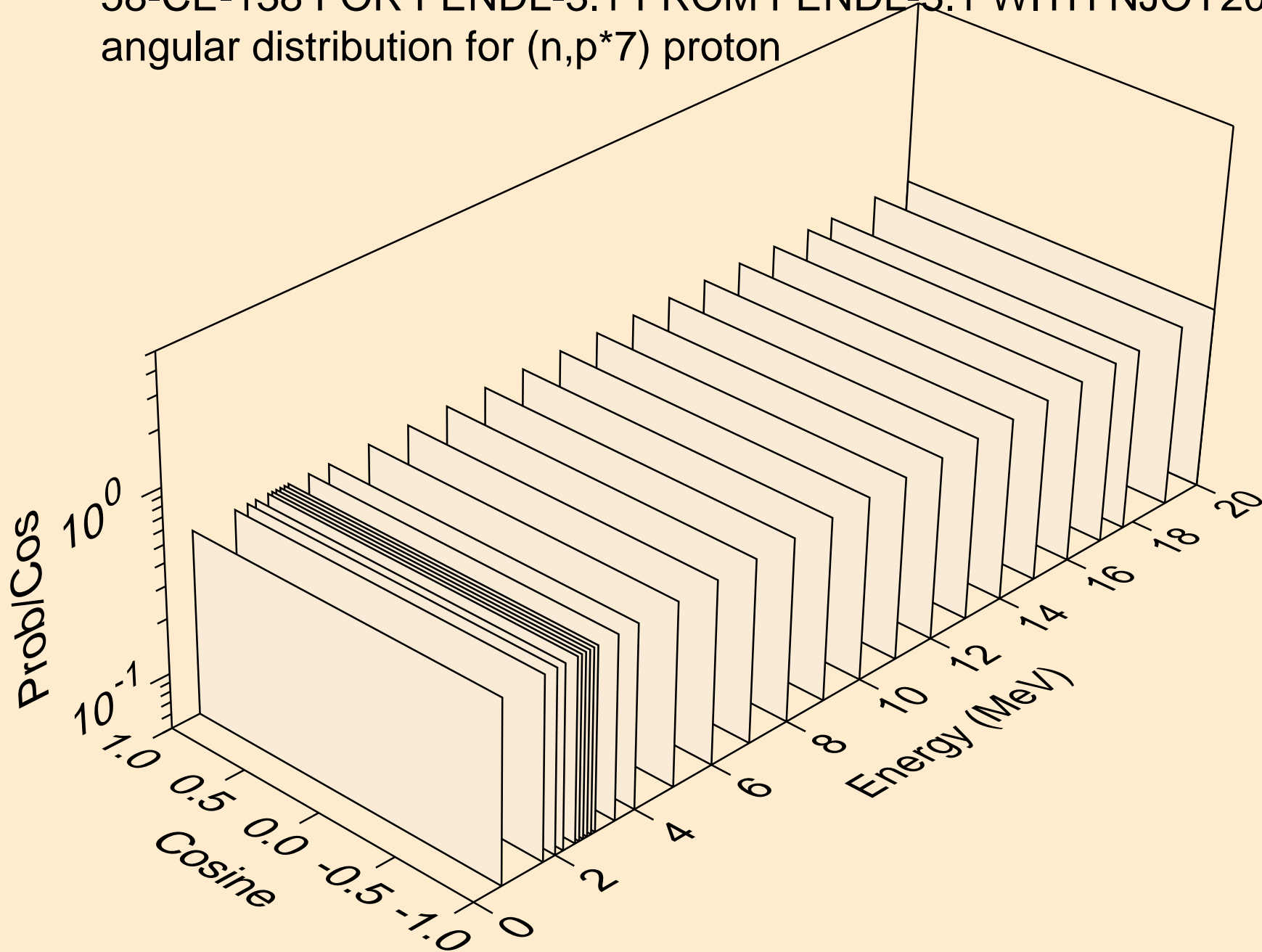
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*5) proton



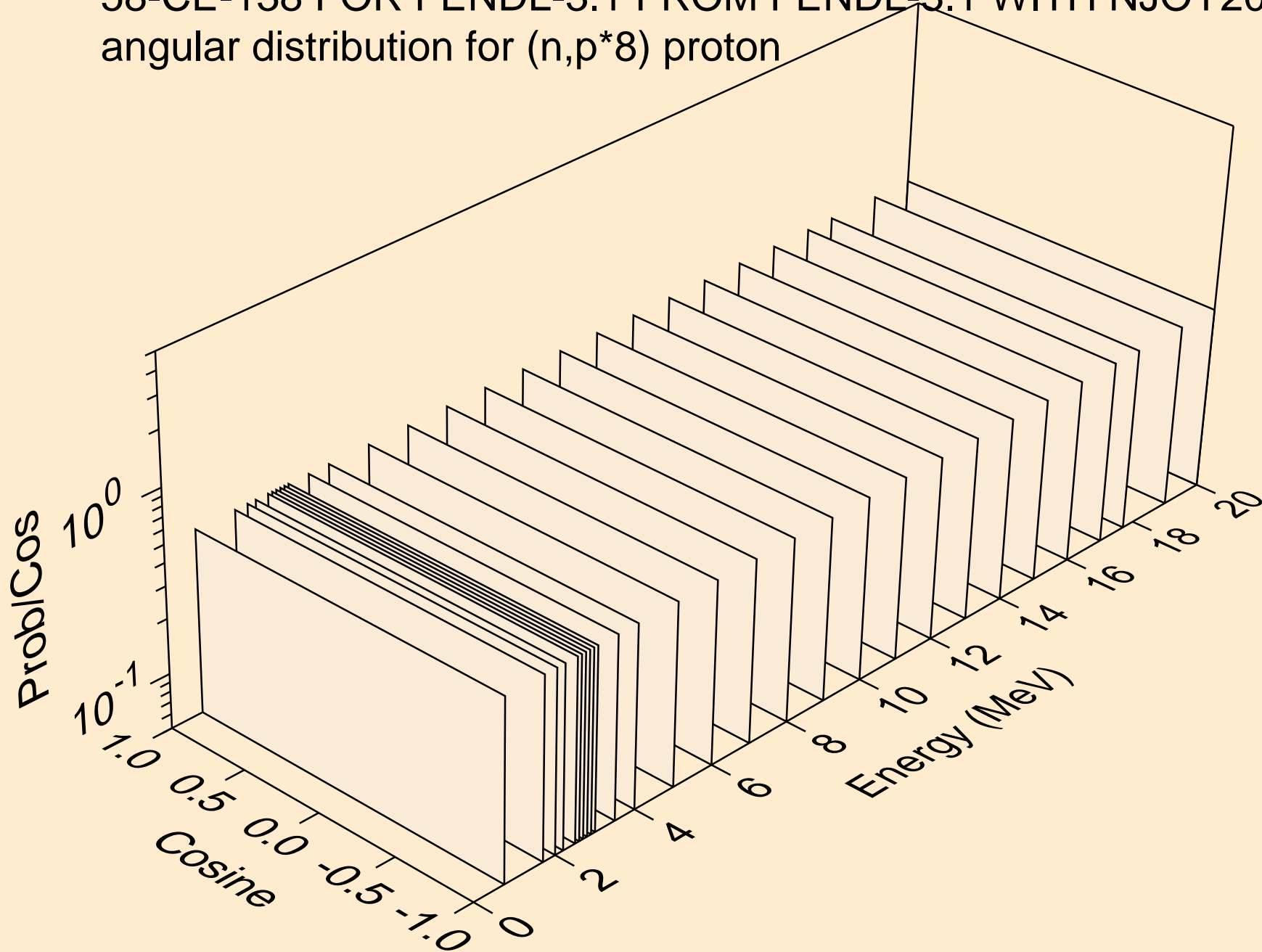
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*6) proton



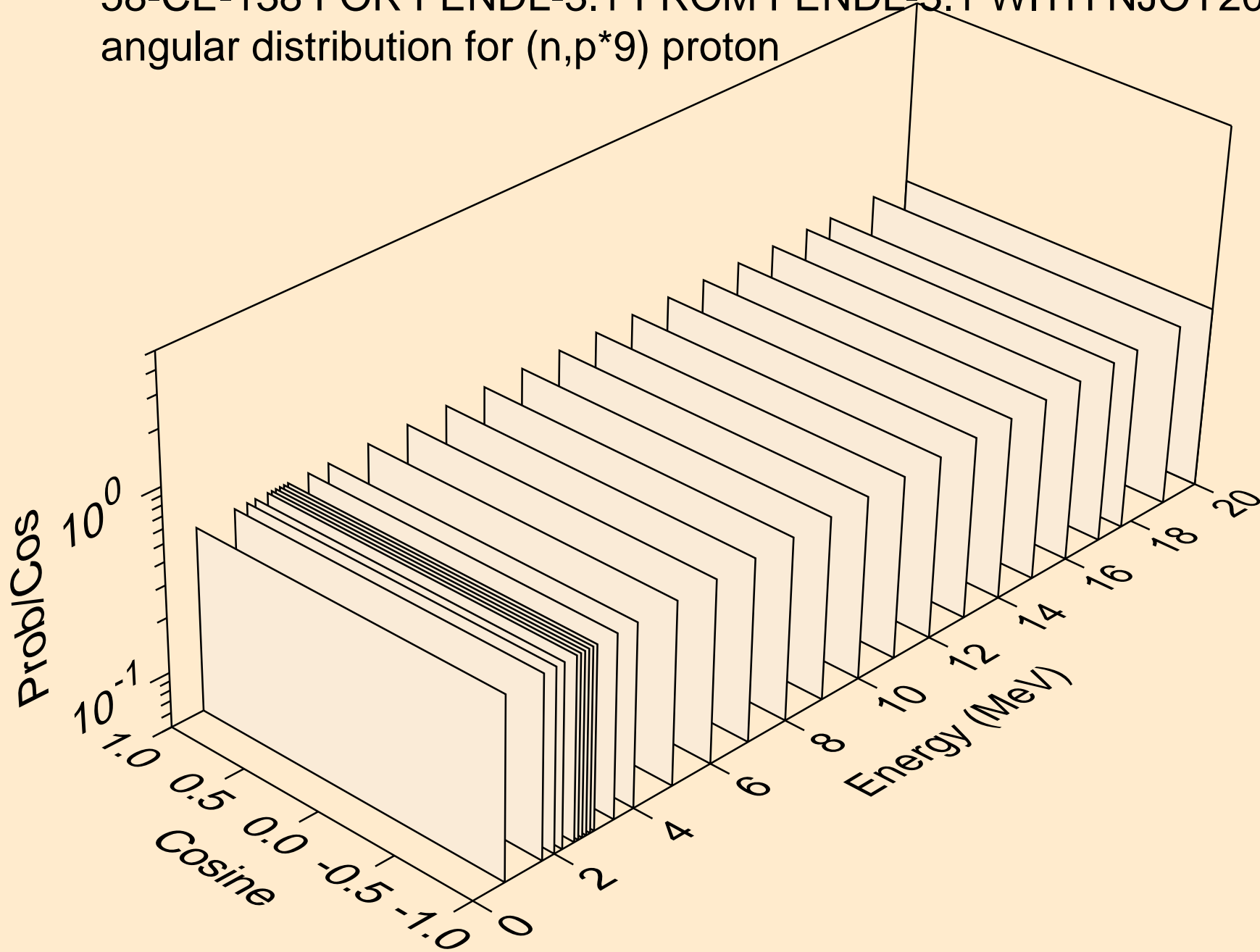
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*7) proton



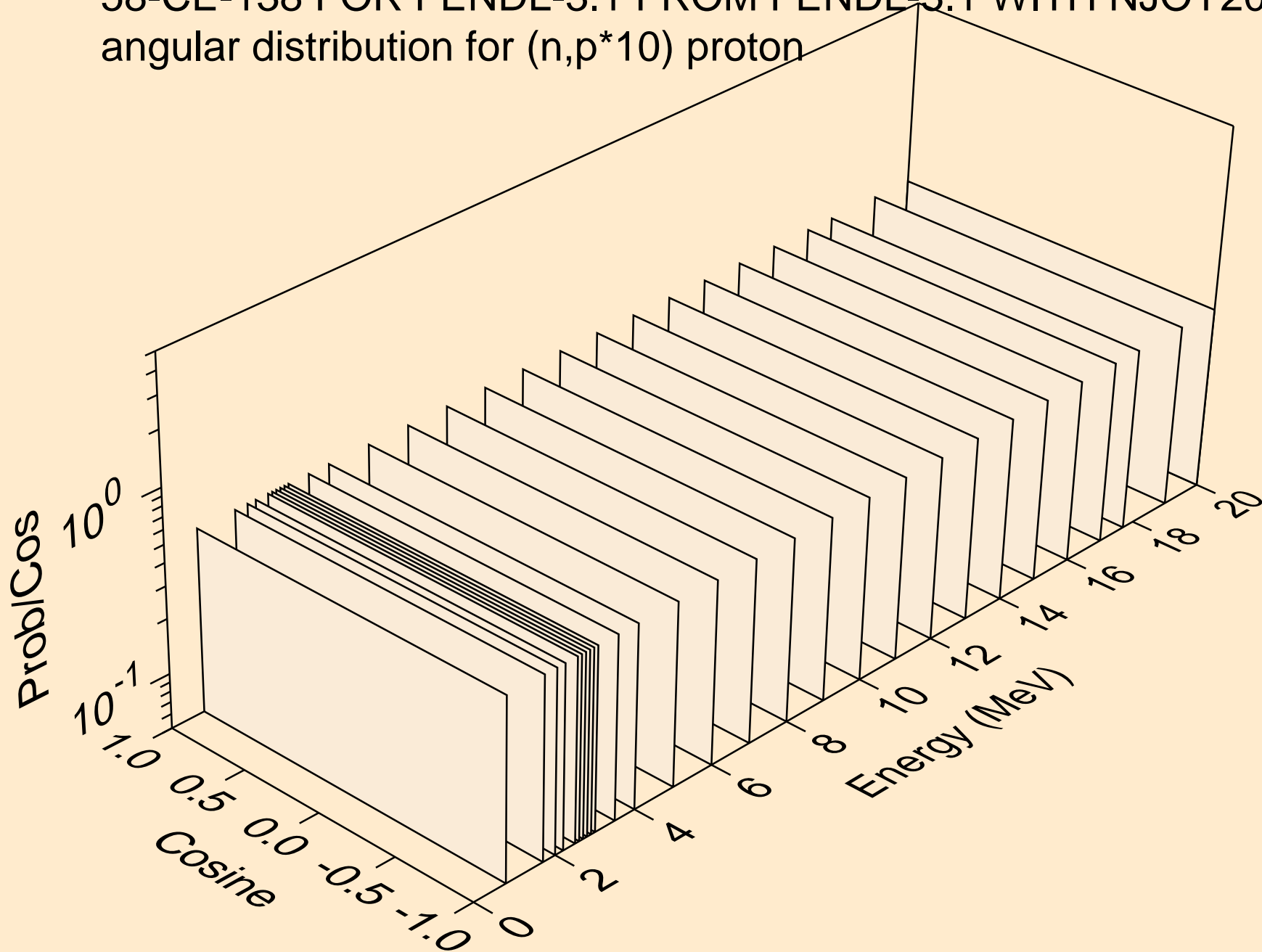
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*8) proton



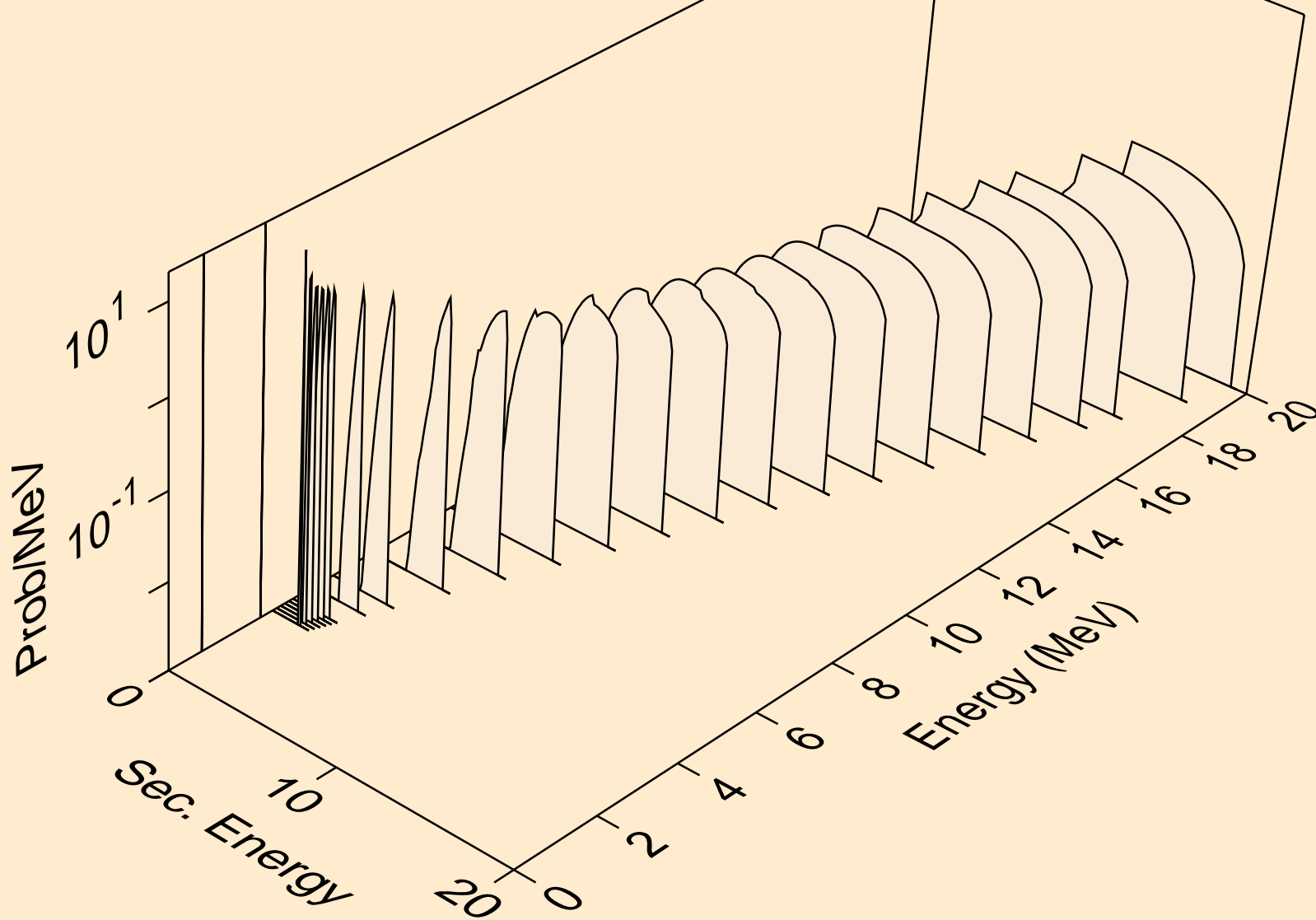
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*9) proton



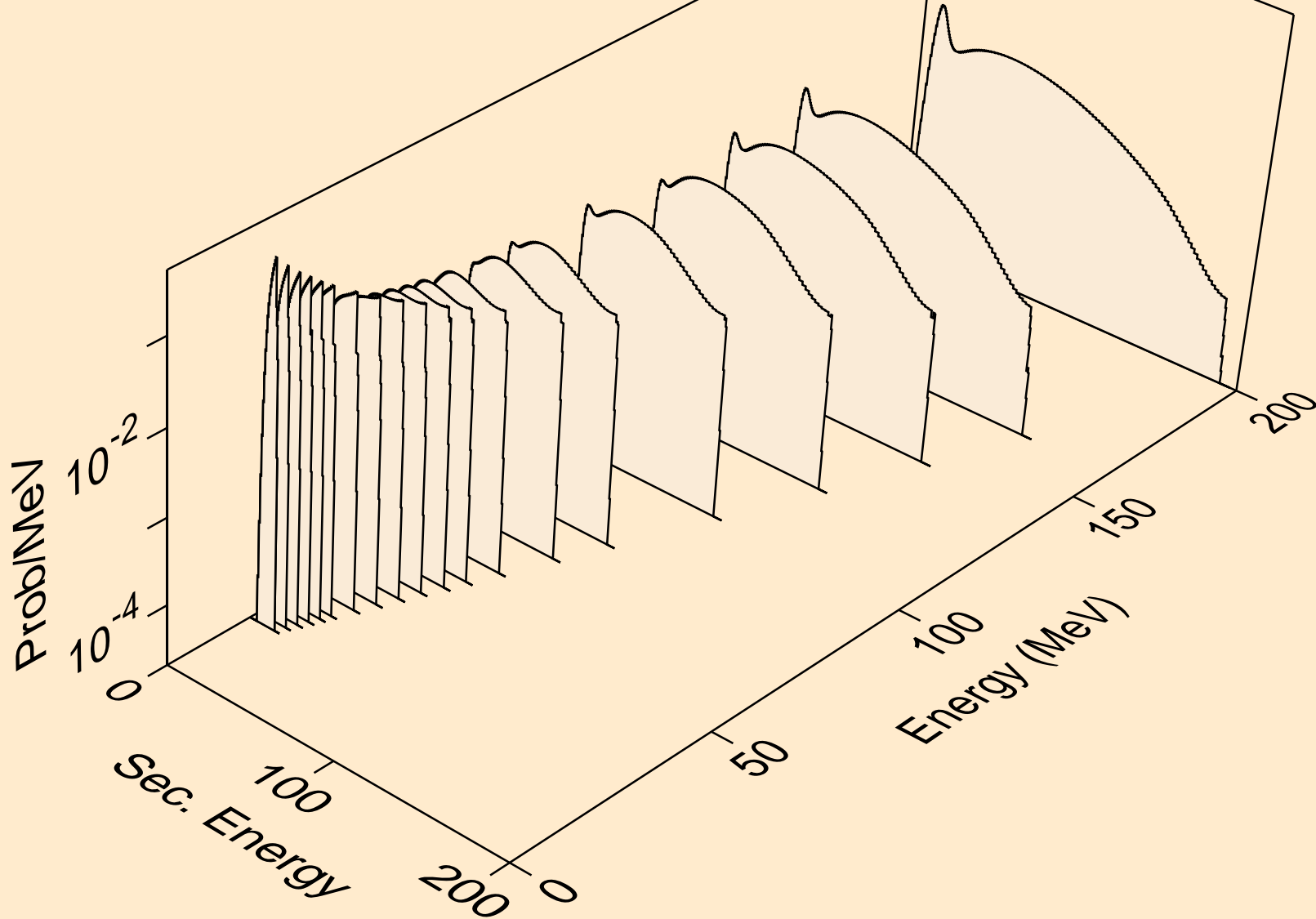
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,p\*10) proton



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
protons from (n,p\*c)

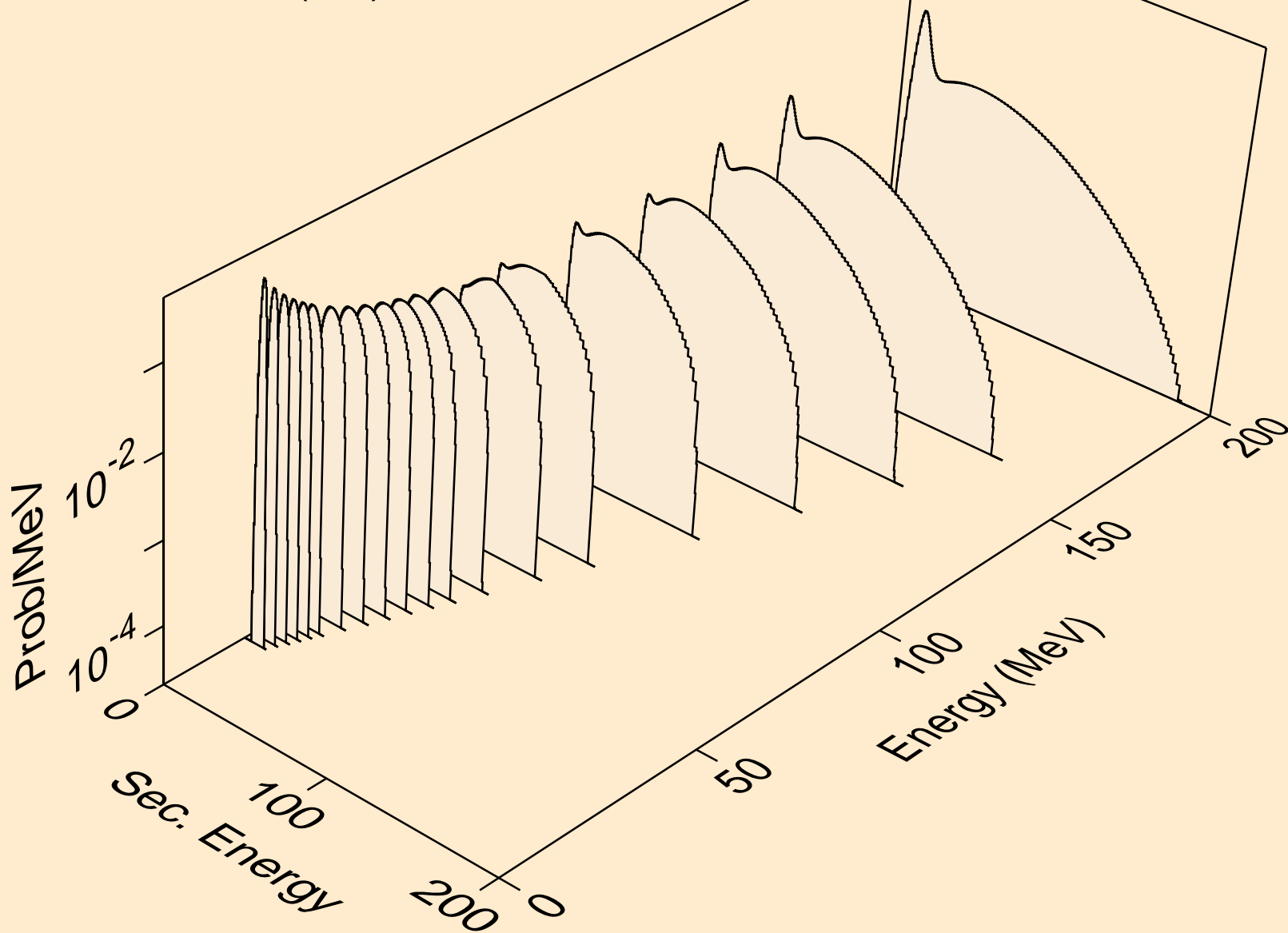


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
deuterons from (n,x)

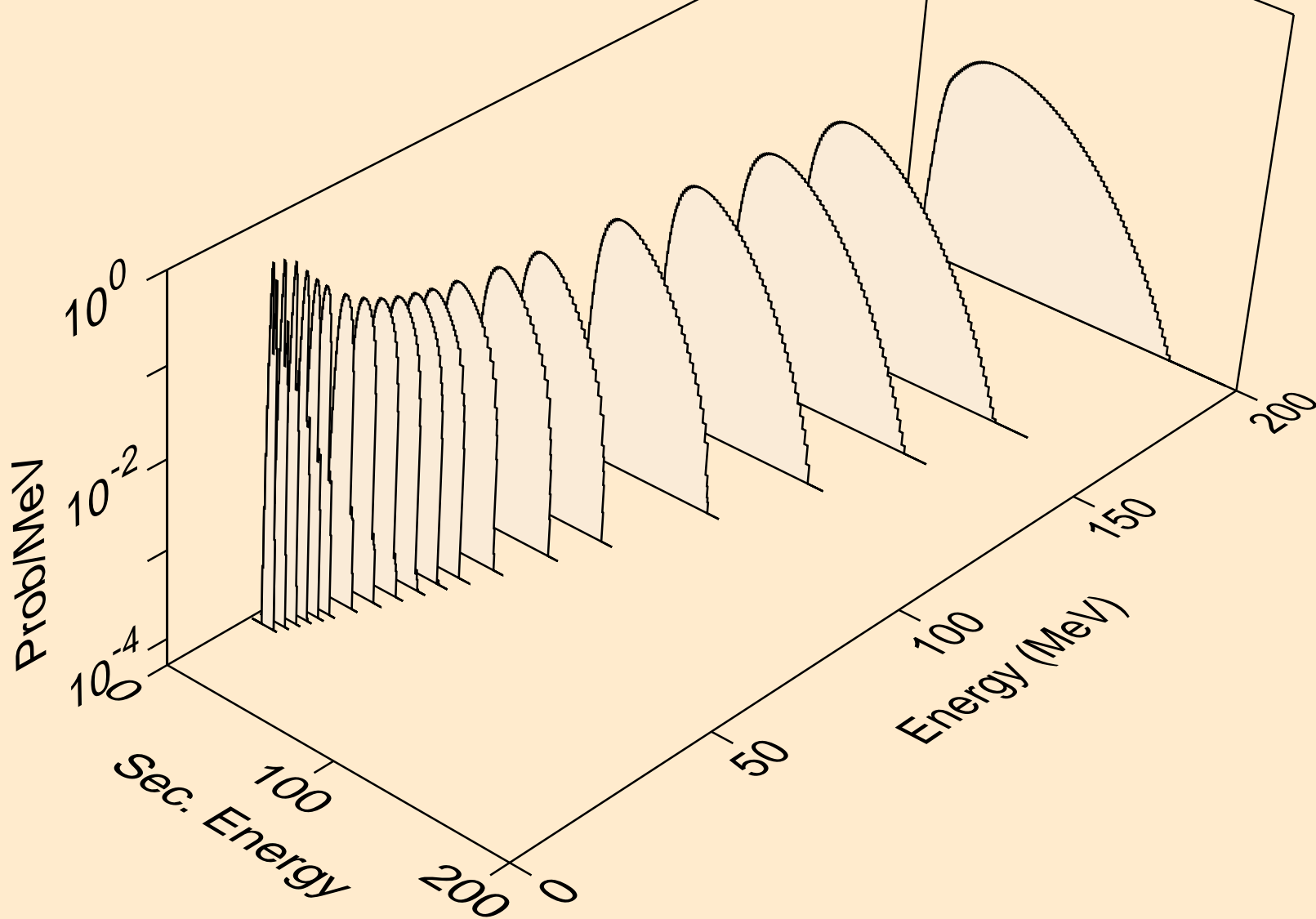




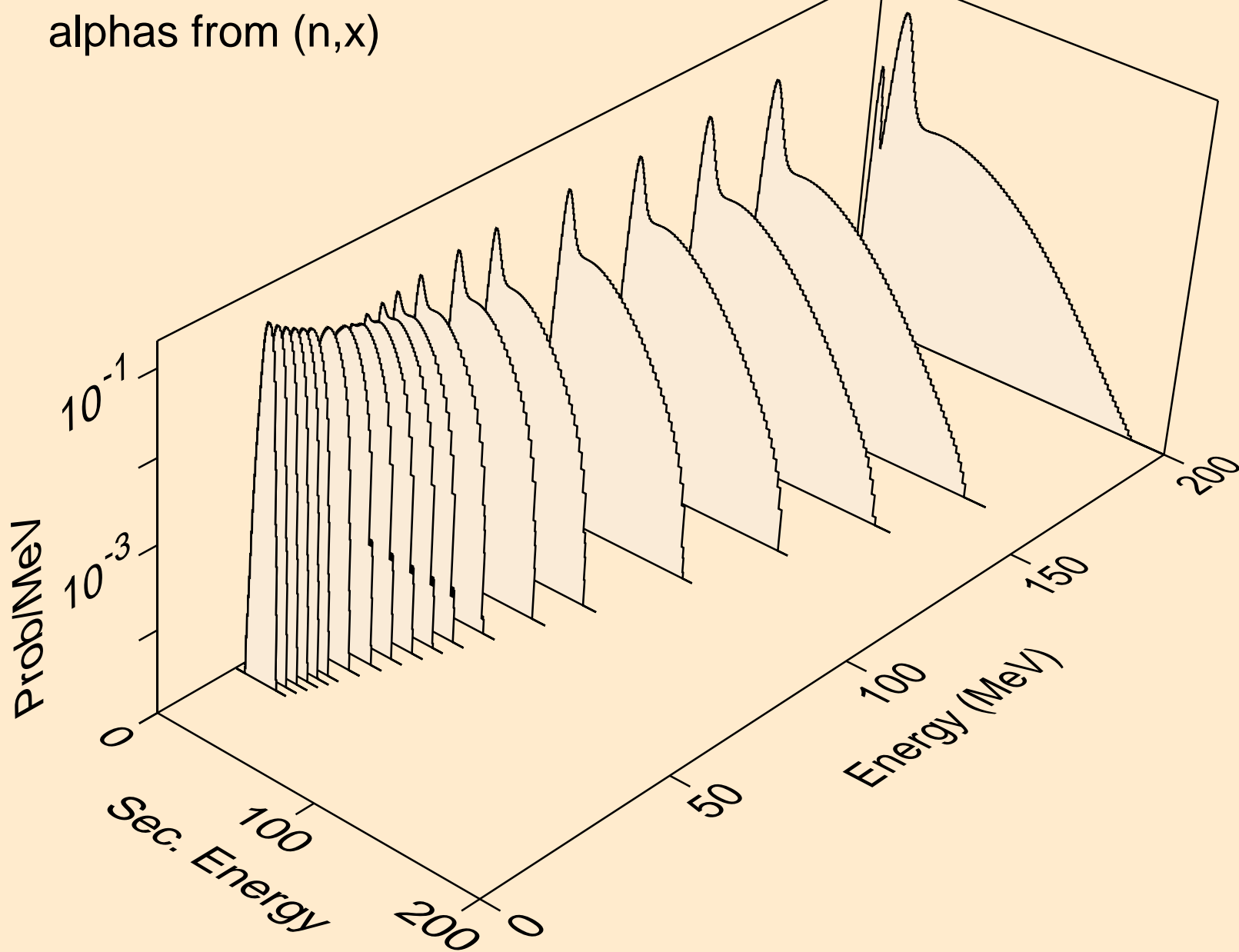
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
tritons from (n,x)



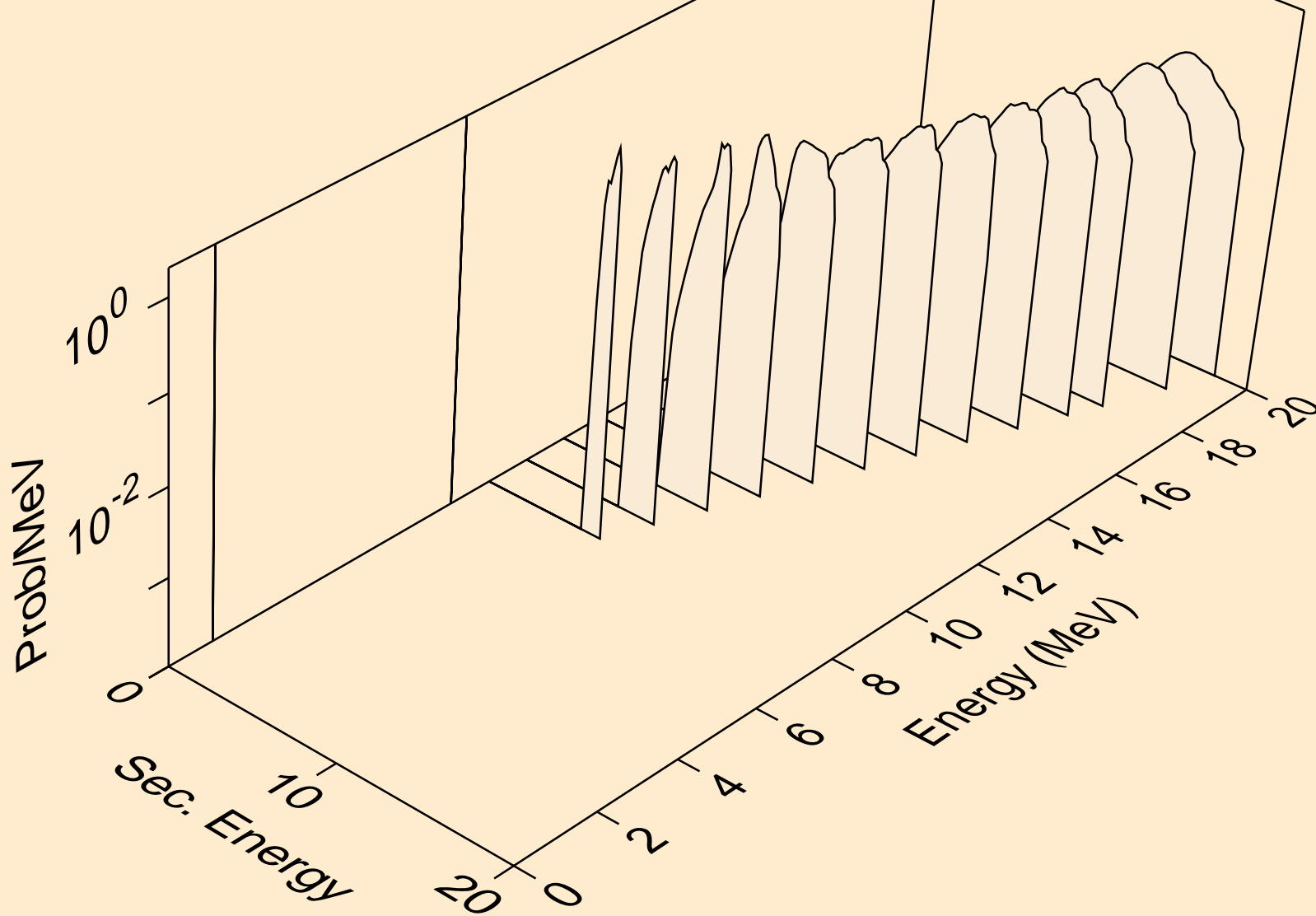
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
he3s from (n,x)



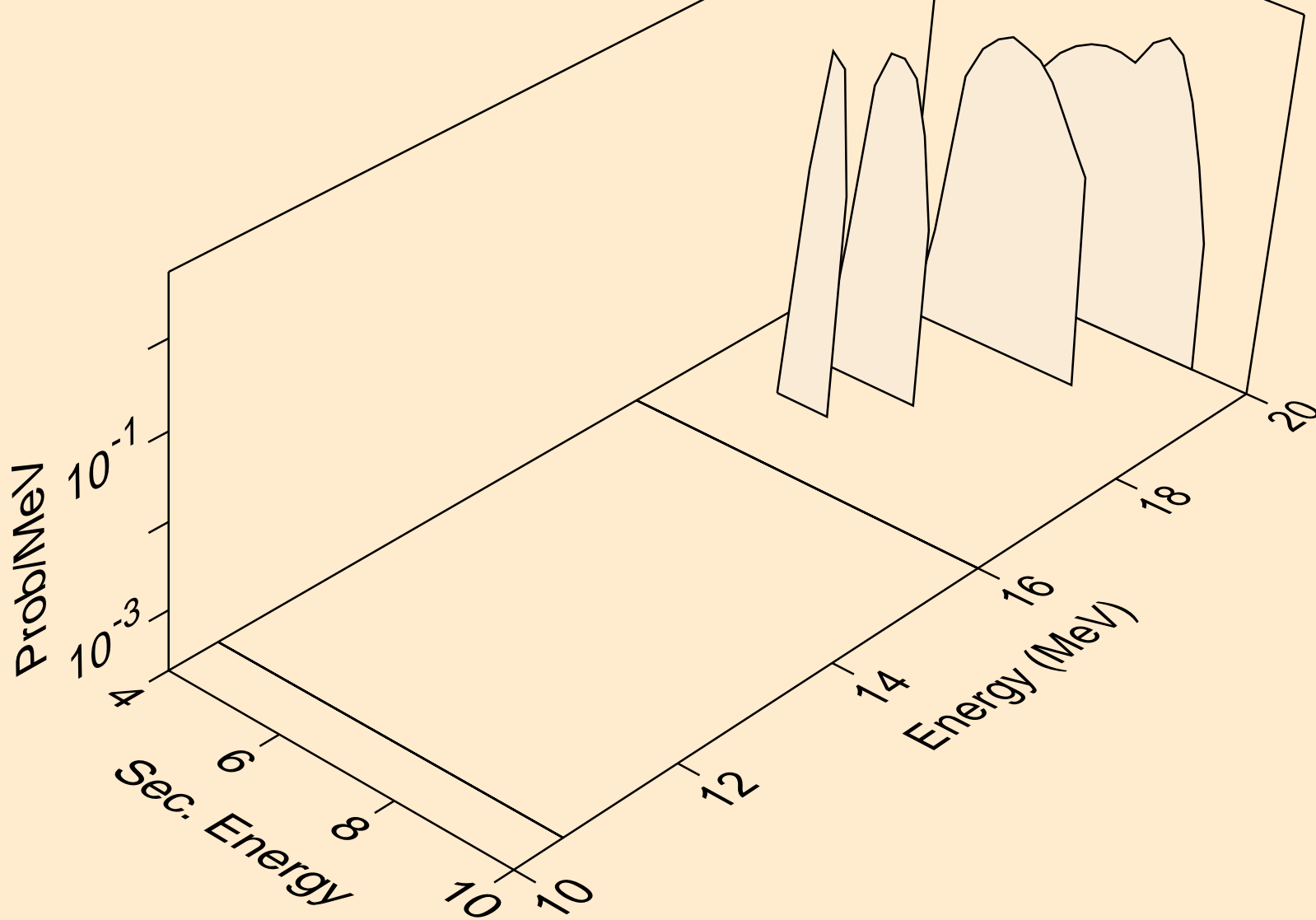
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
alphas from (n,x)



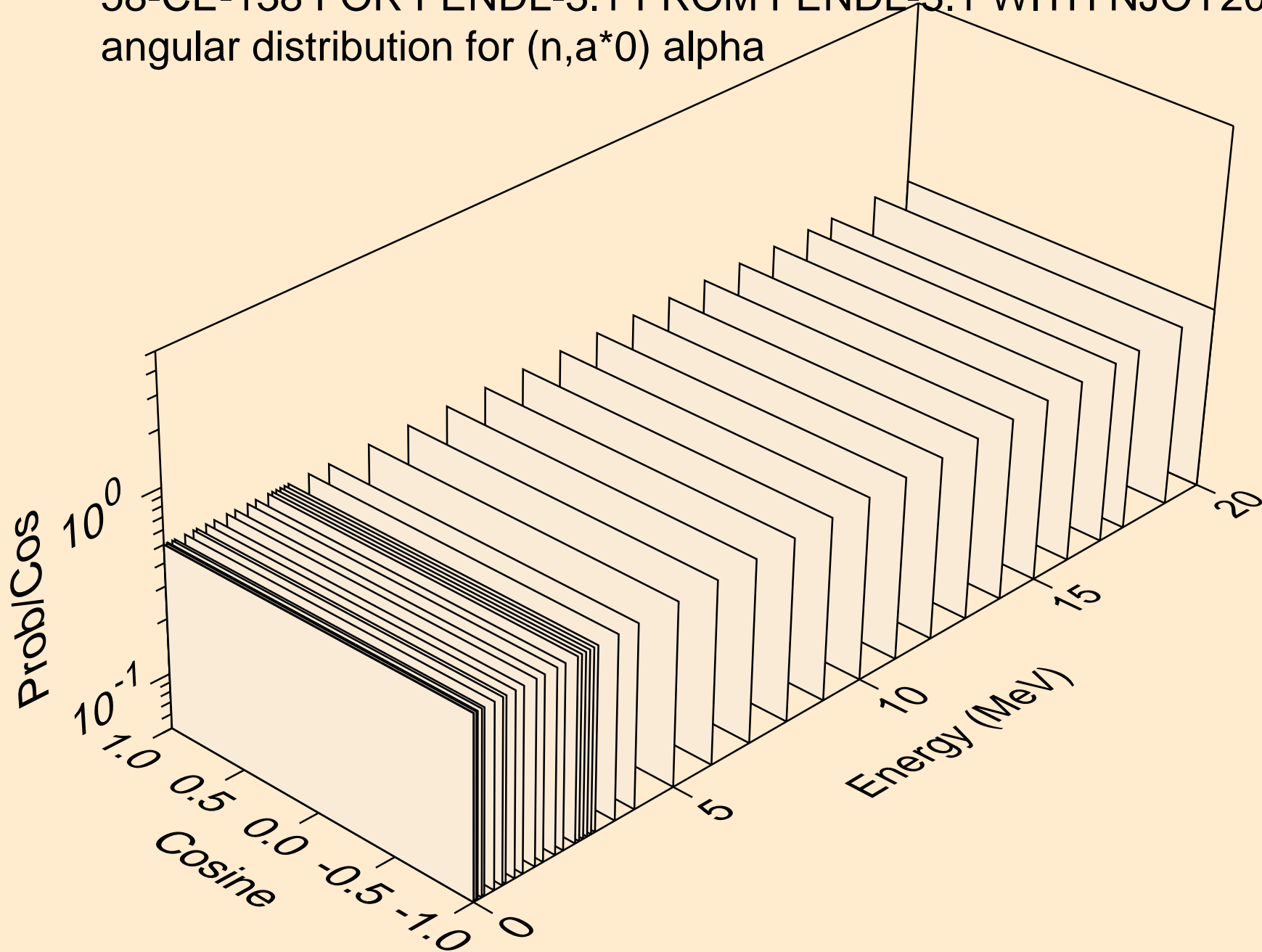
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
alphas from (n,n\*)a



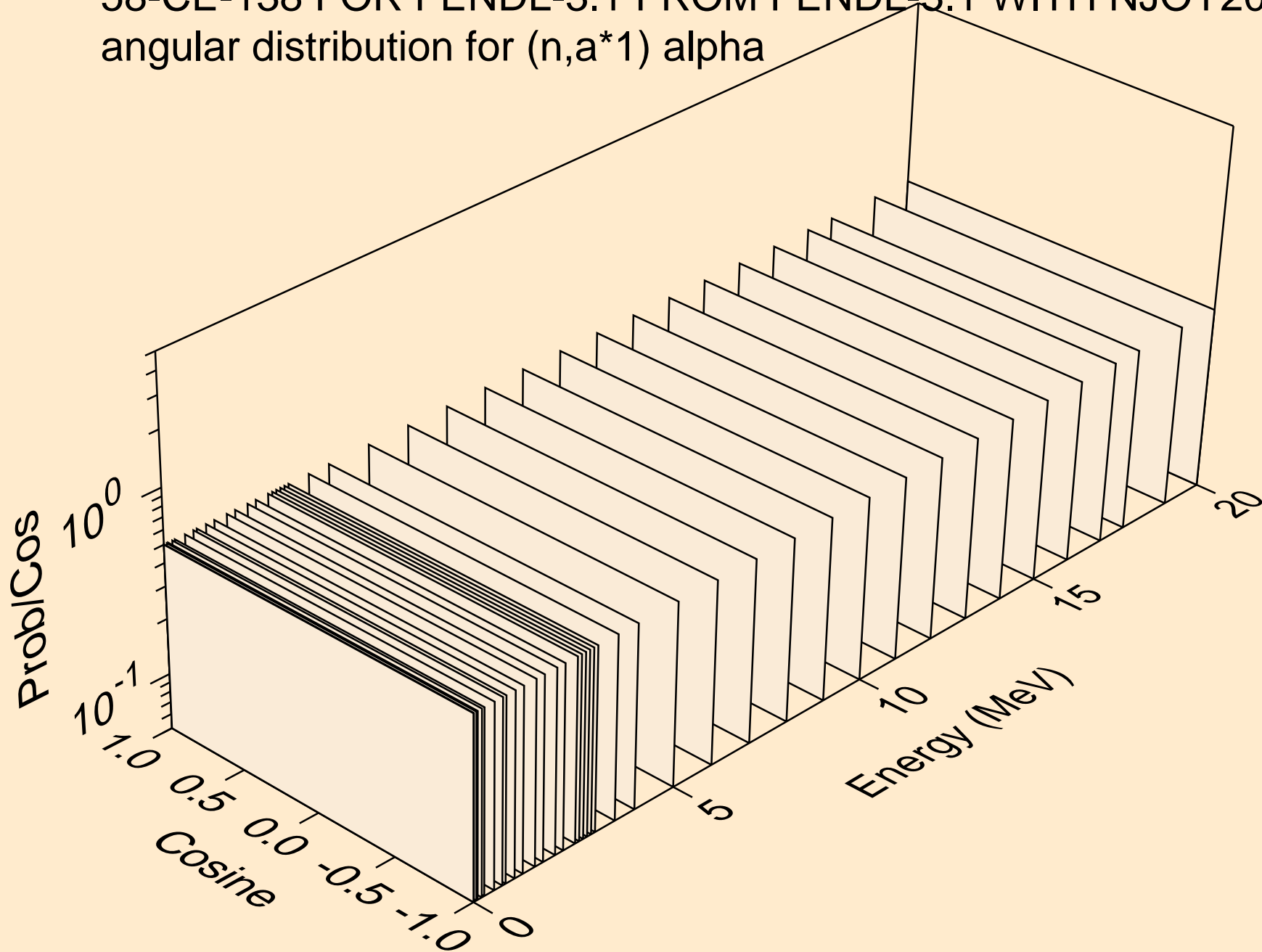
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
alphas from (n,2n)a



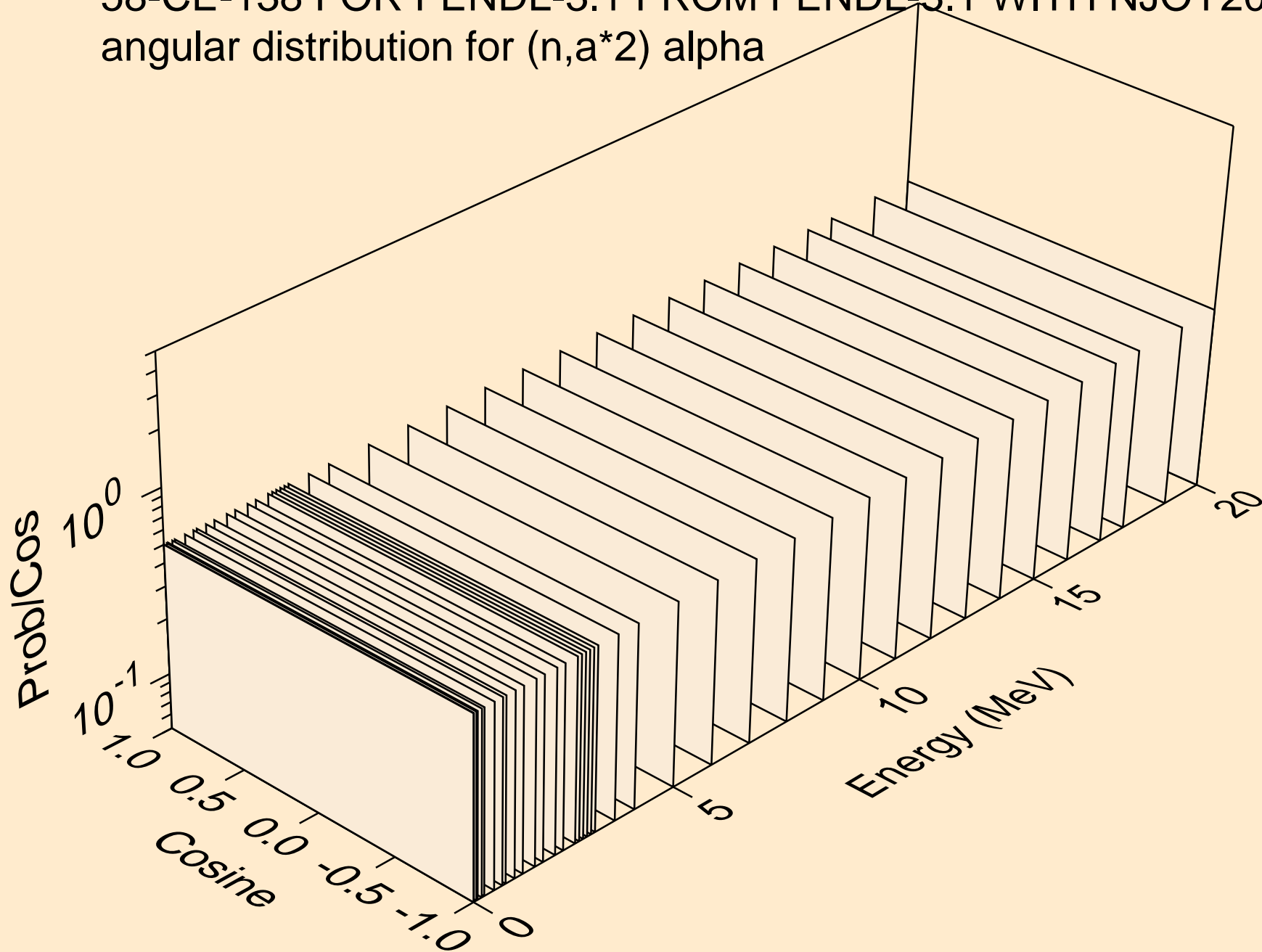
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*0) alpha



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*1) alpha

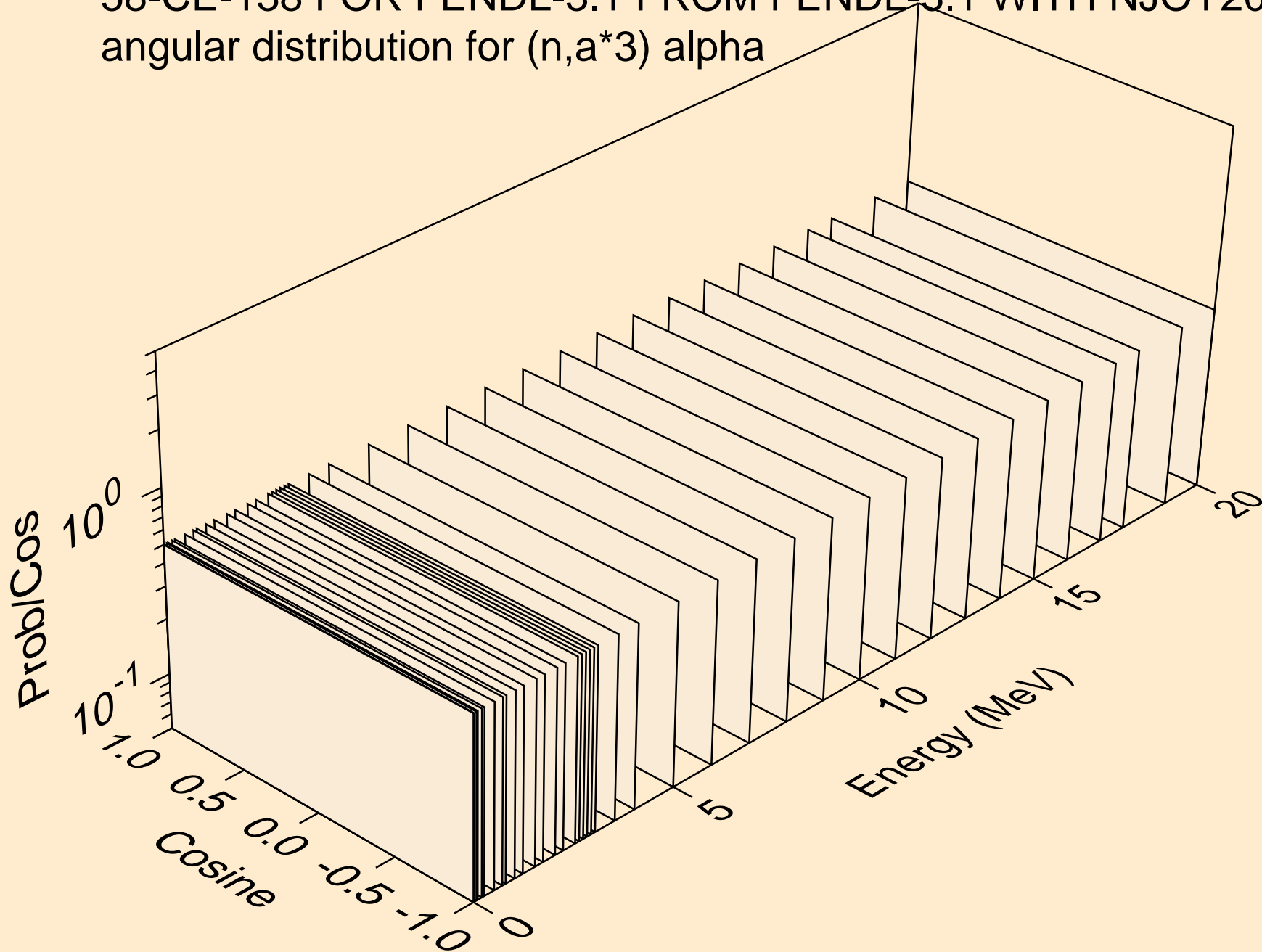


58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*2) alpha

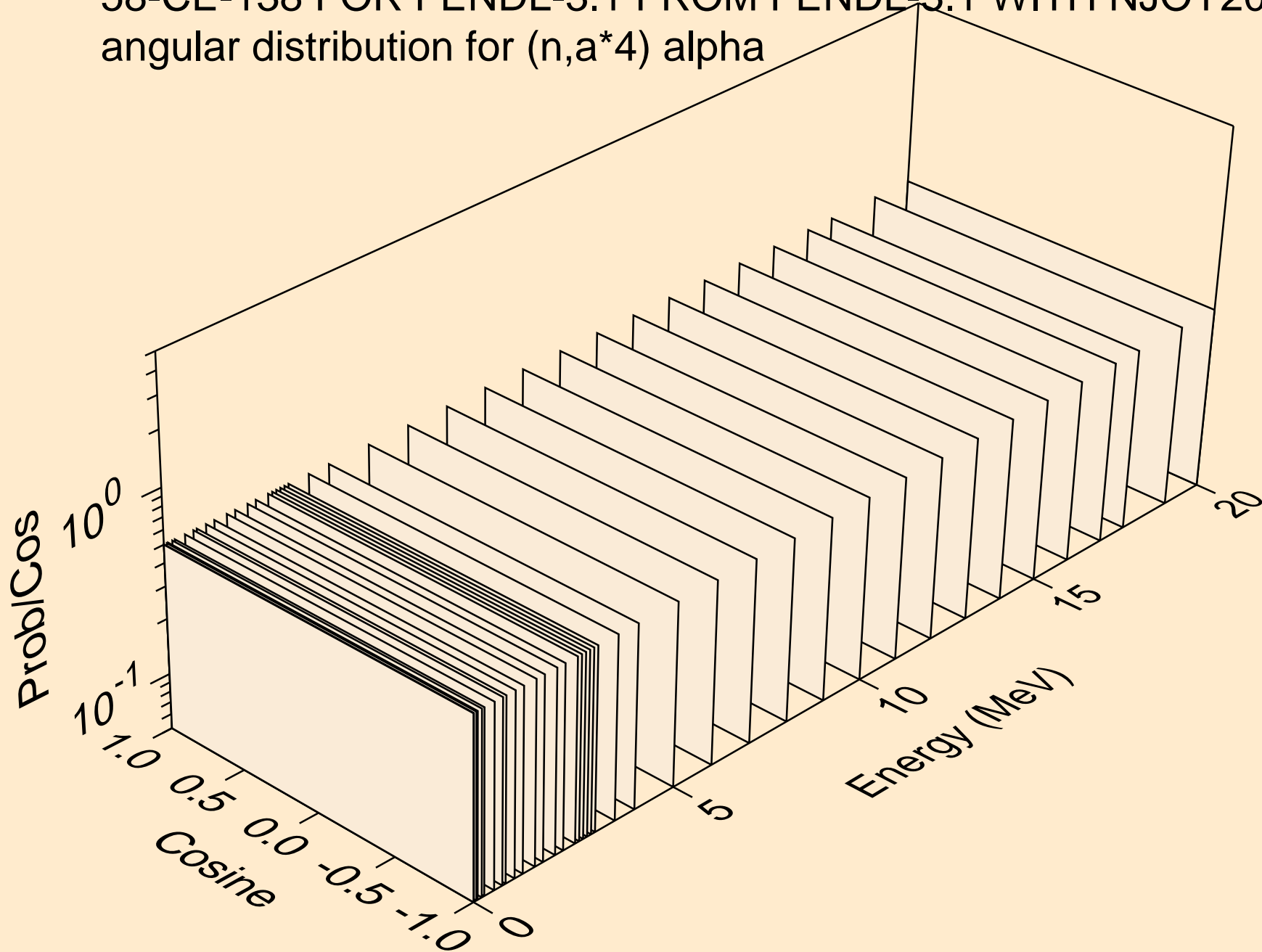




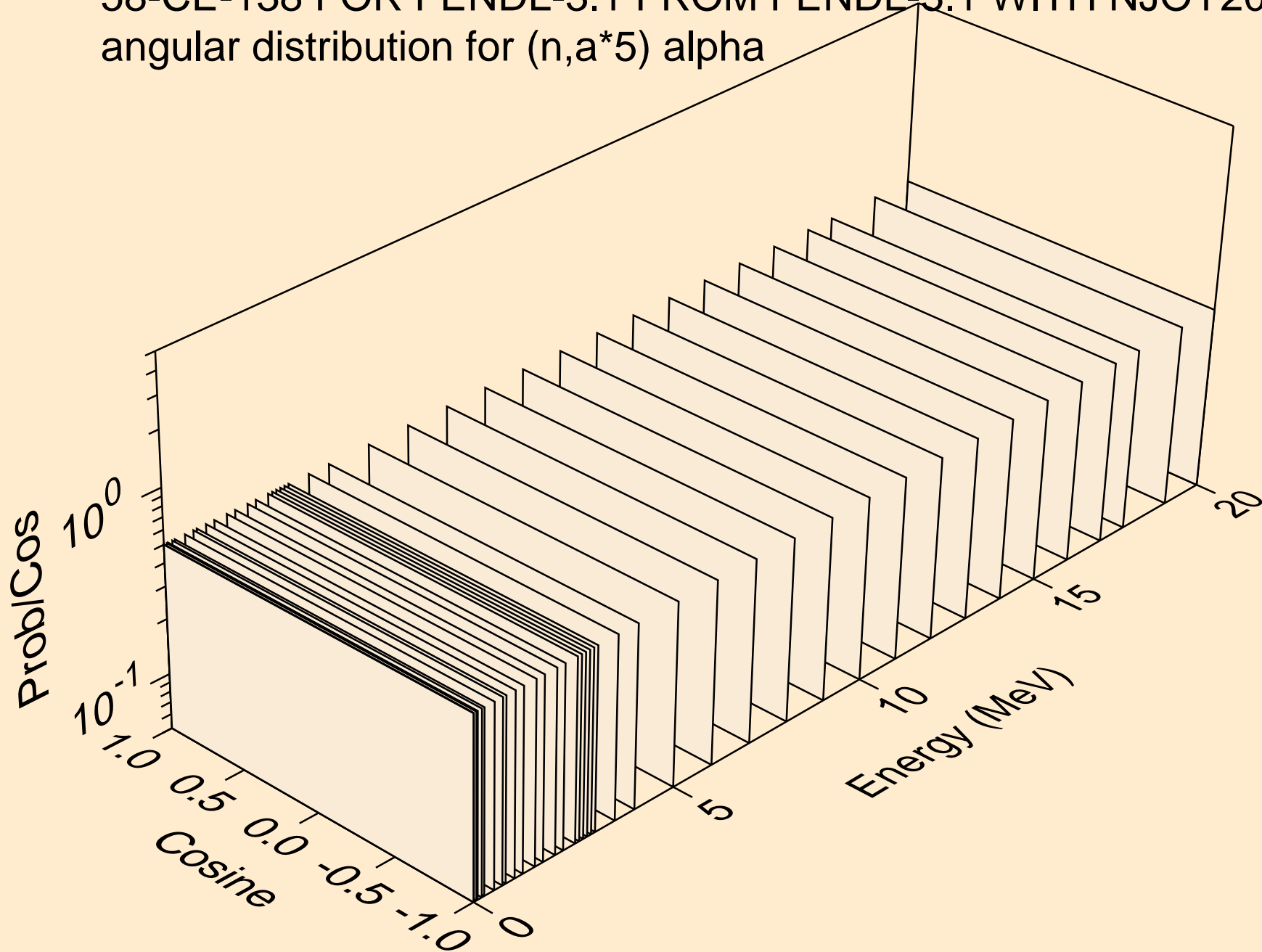
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*3) alpha



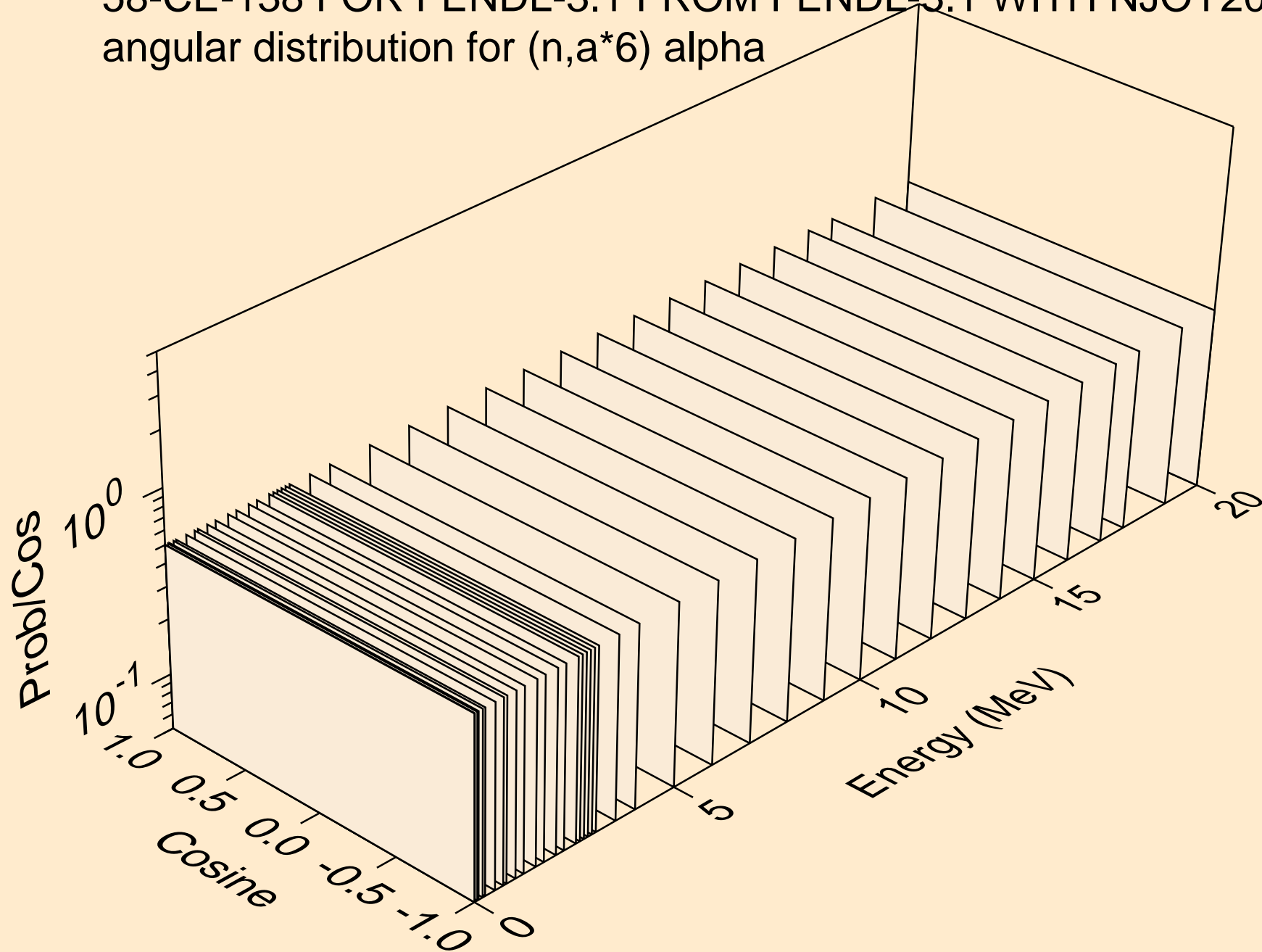
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*4) alpha



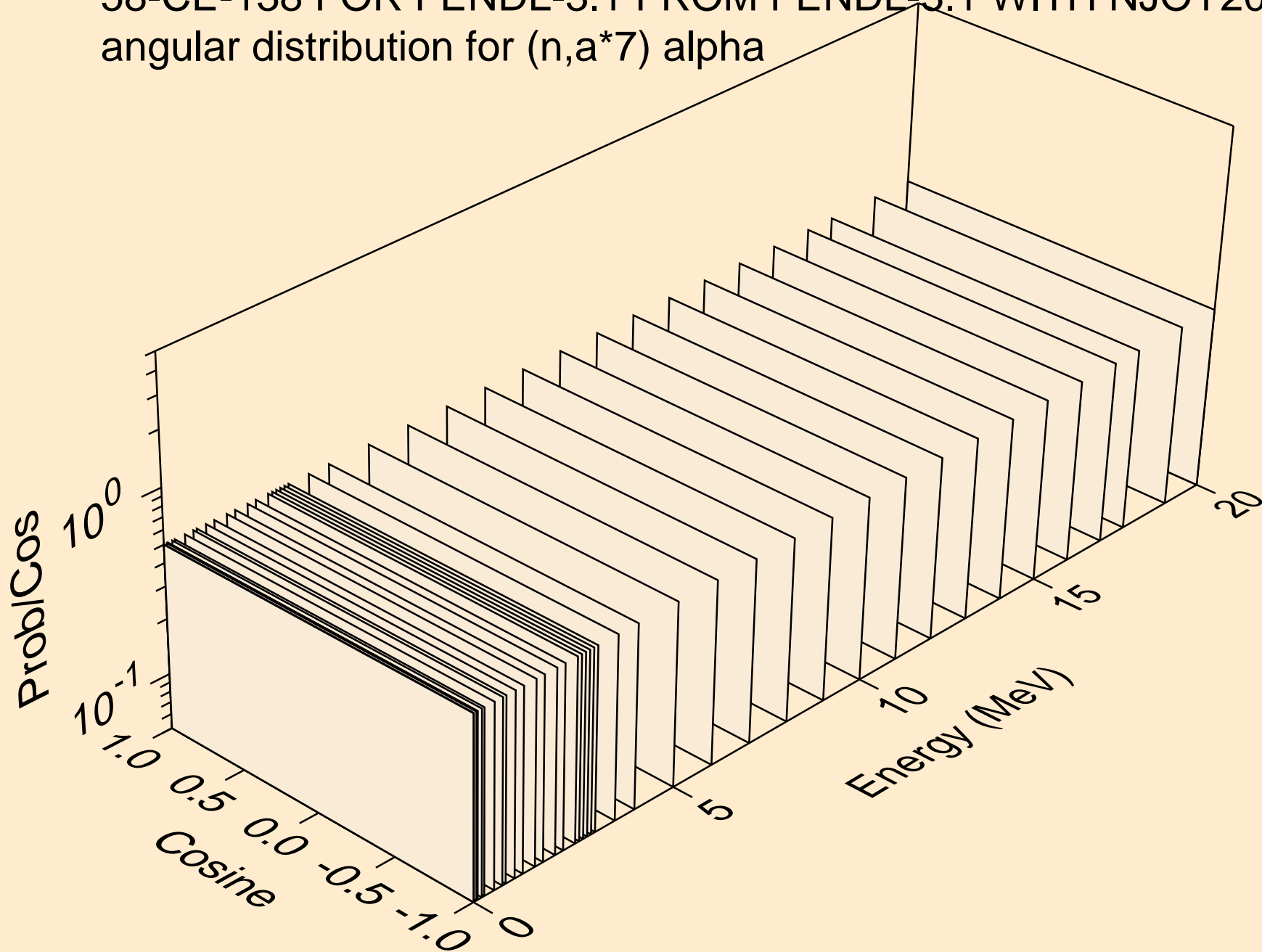
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*5) alpha



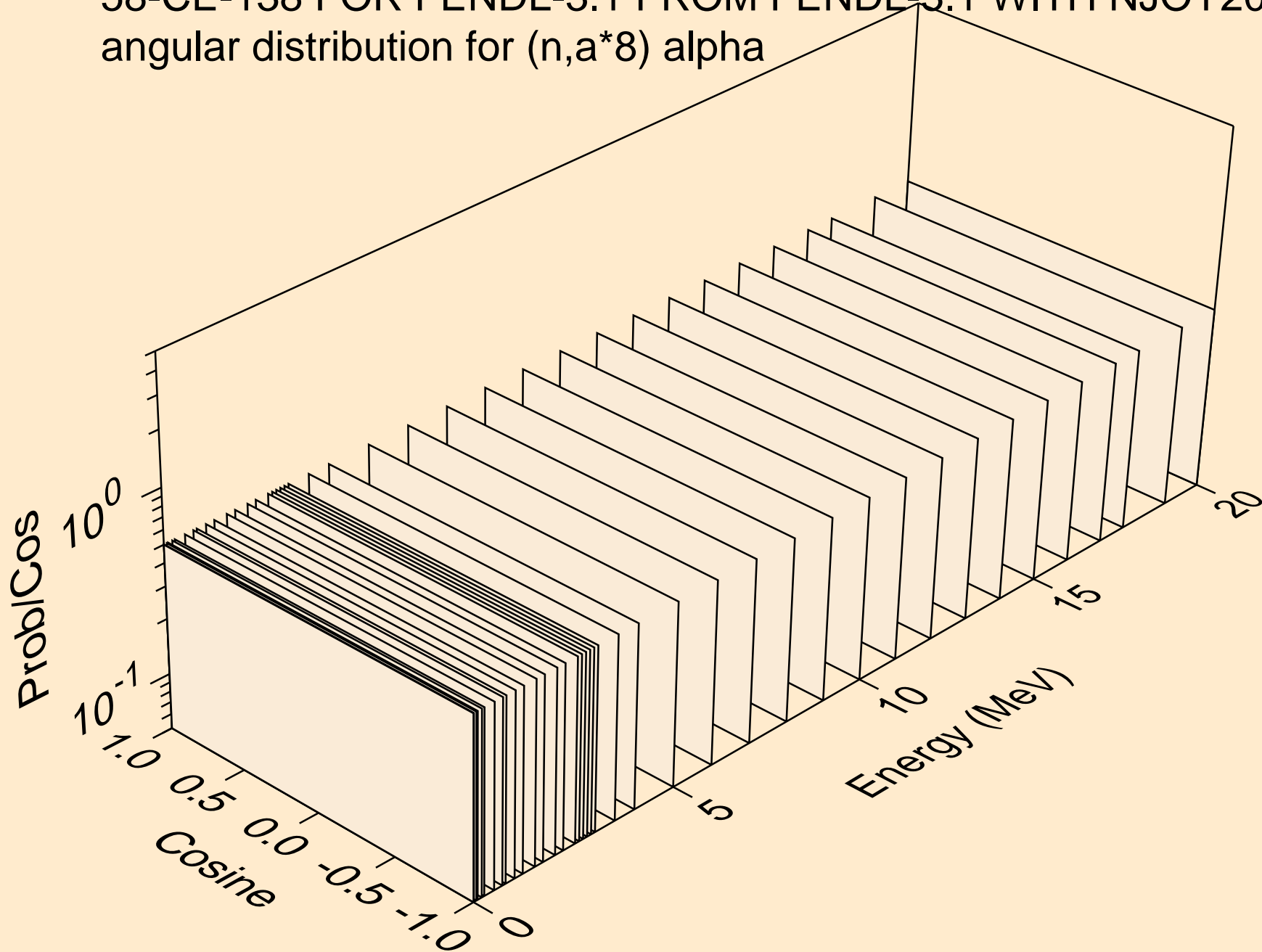
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*6) alpha



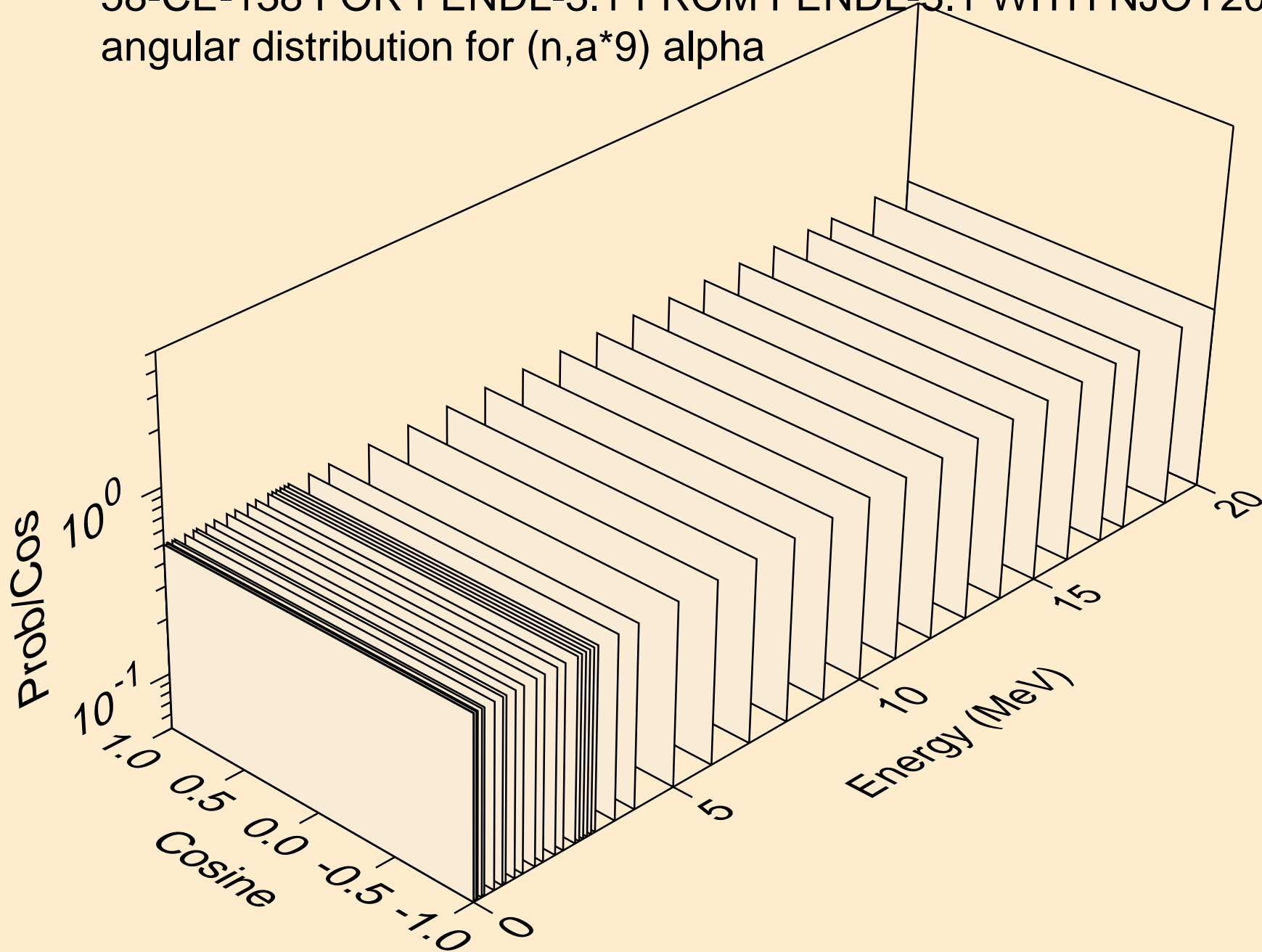
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*7) alpha



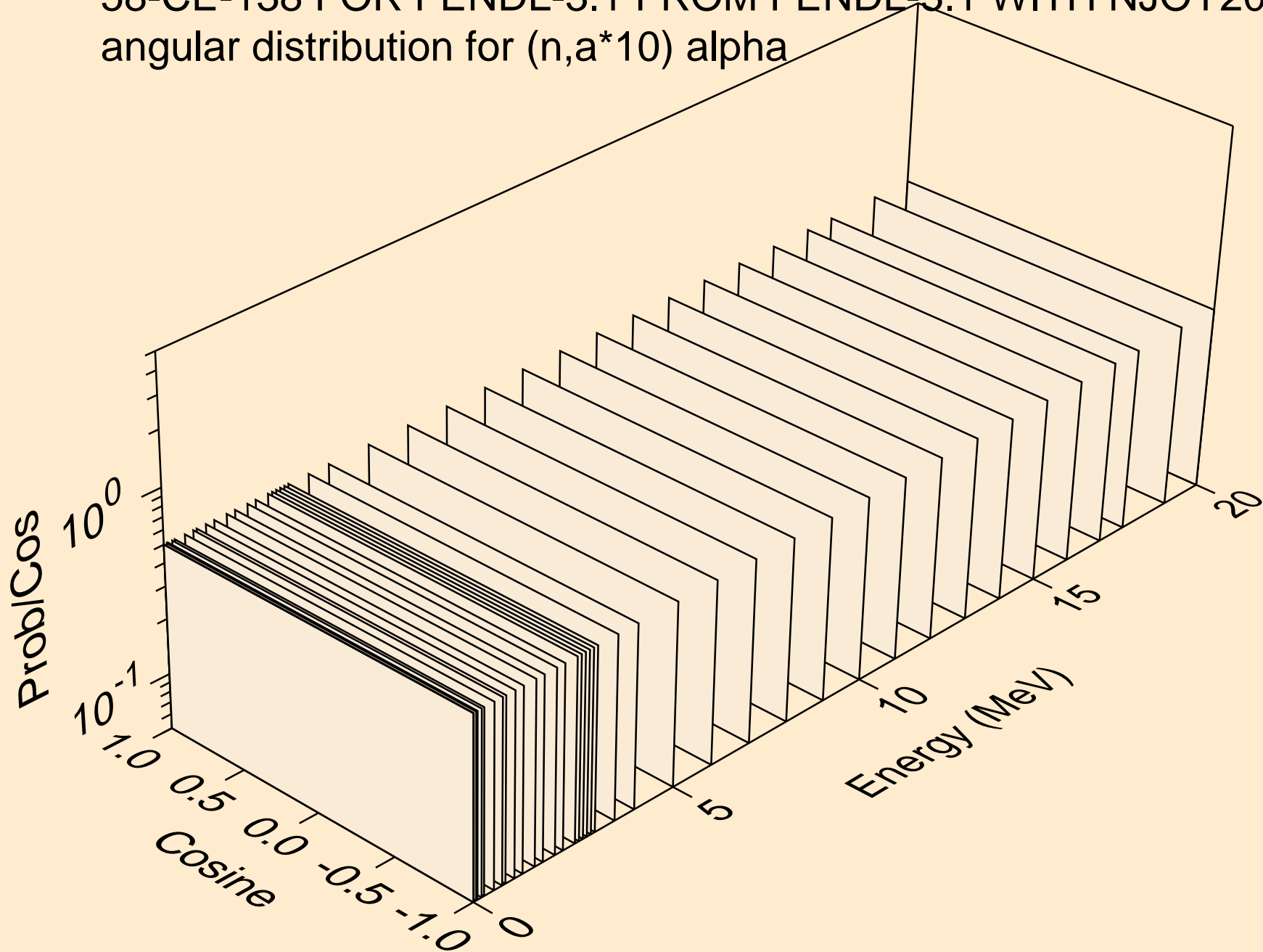
58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*8) alpha



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*9) alpha



58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
angular distribution for (n,a\*10) alpha





58-CE-138 FOR FENDL-3.1 FROM FENDL-3.1 WITH NJOY2012.50  
alphas from (n,a\*c)

