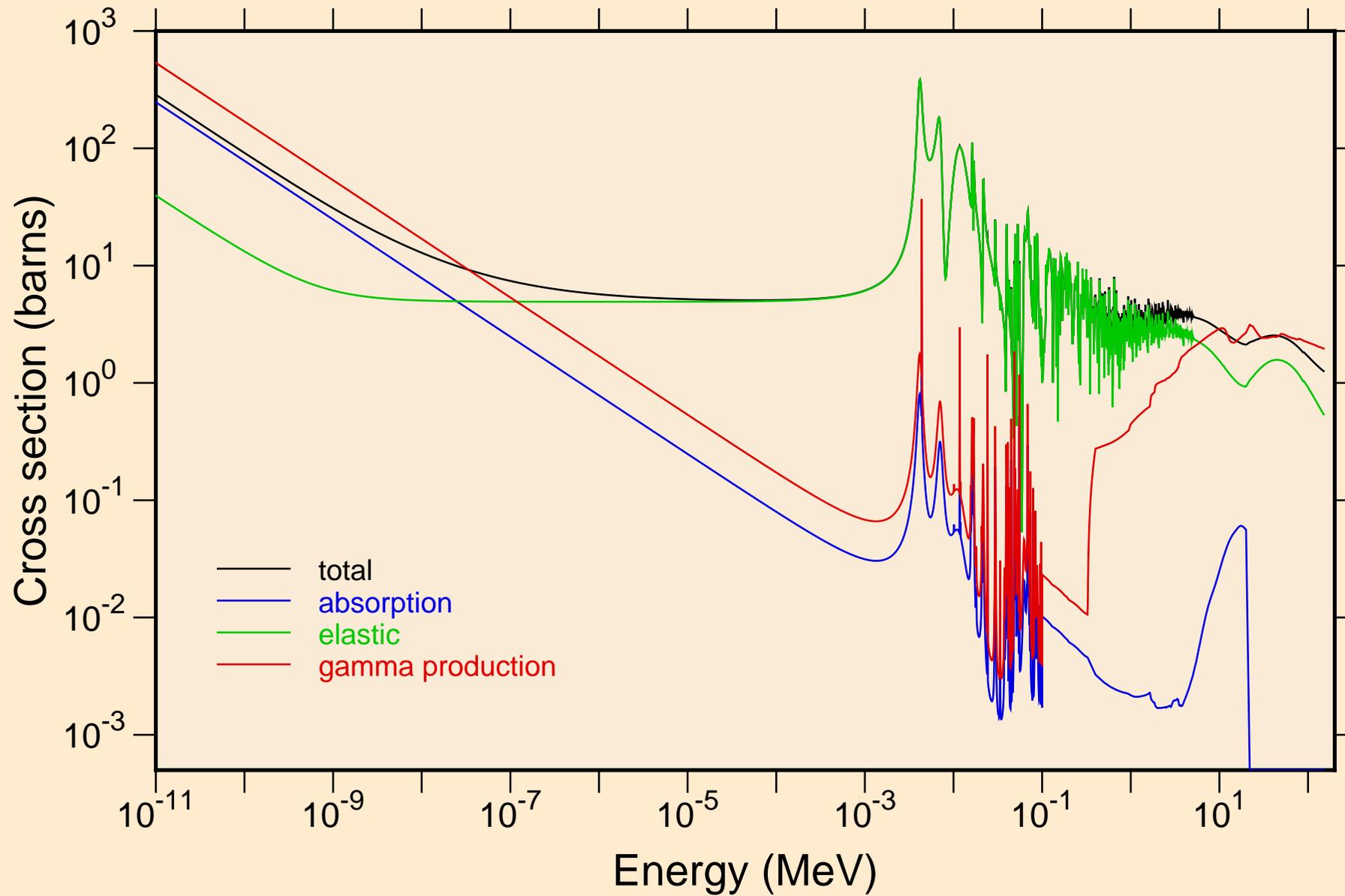
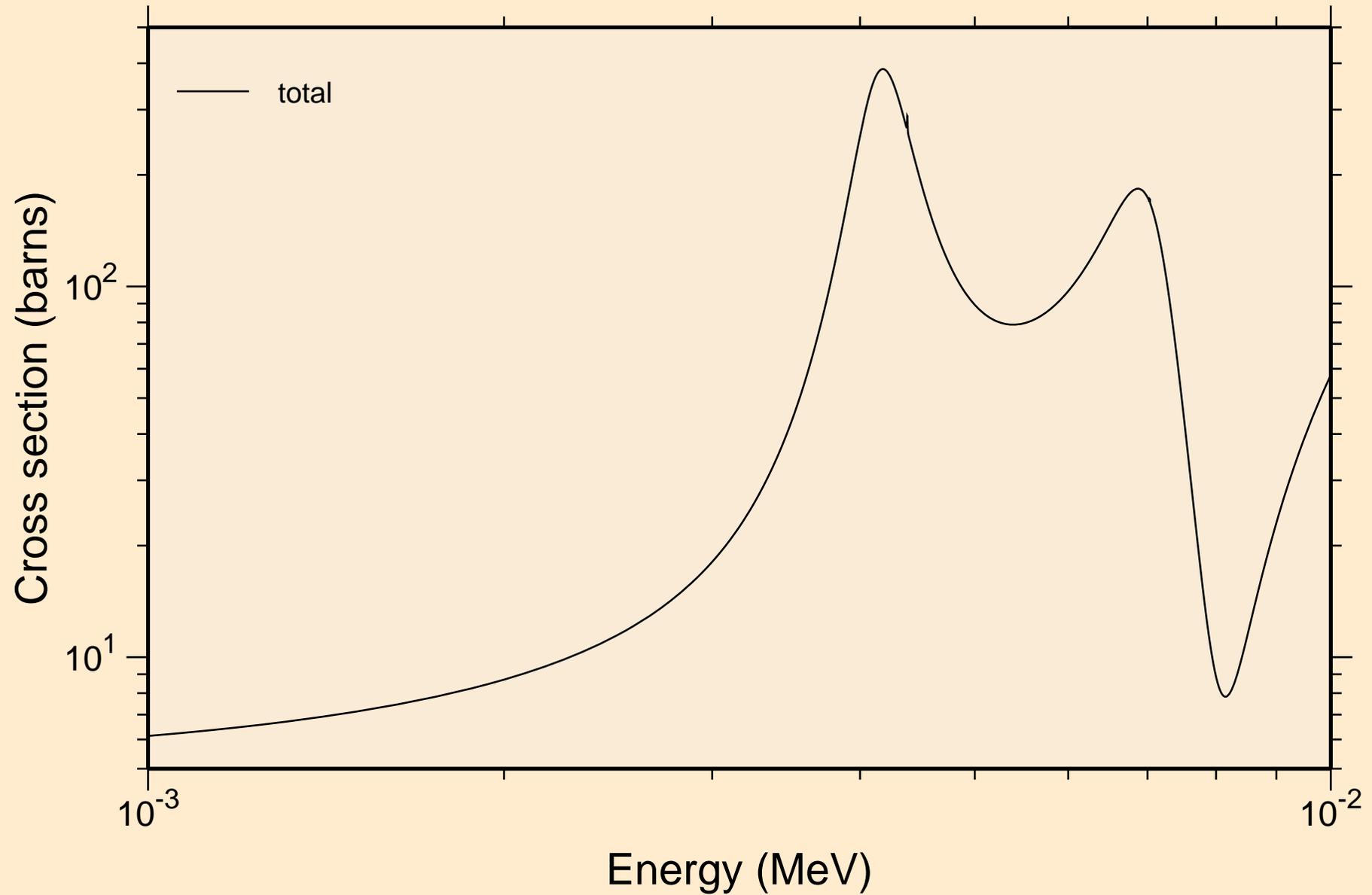


# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

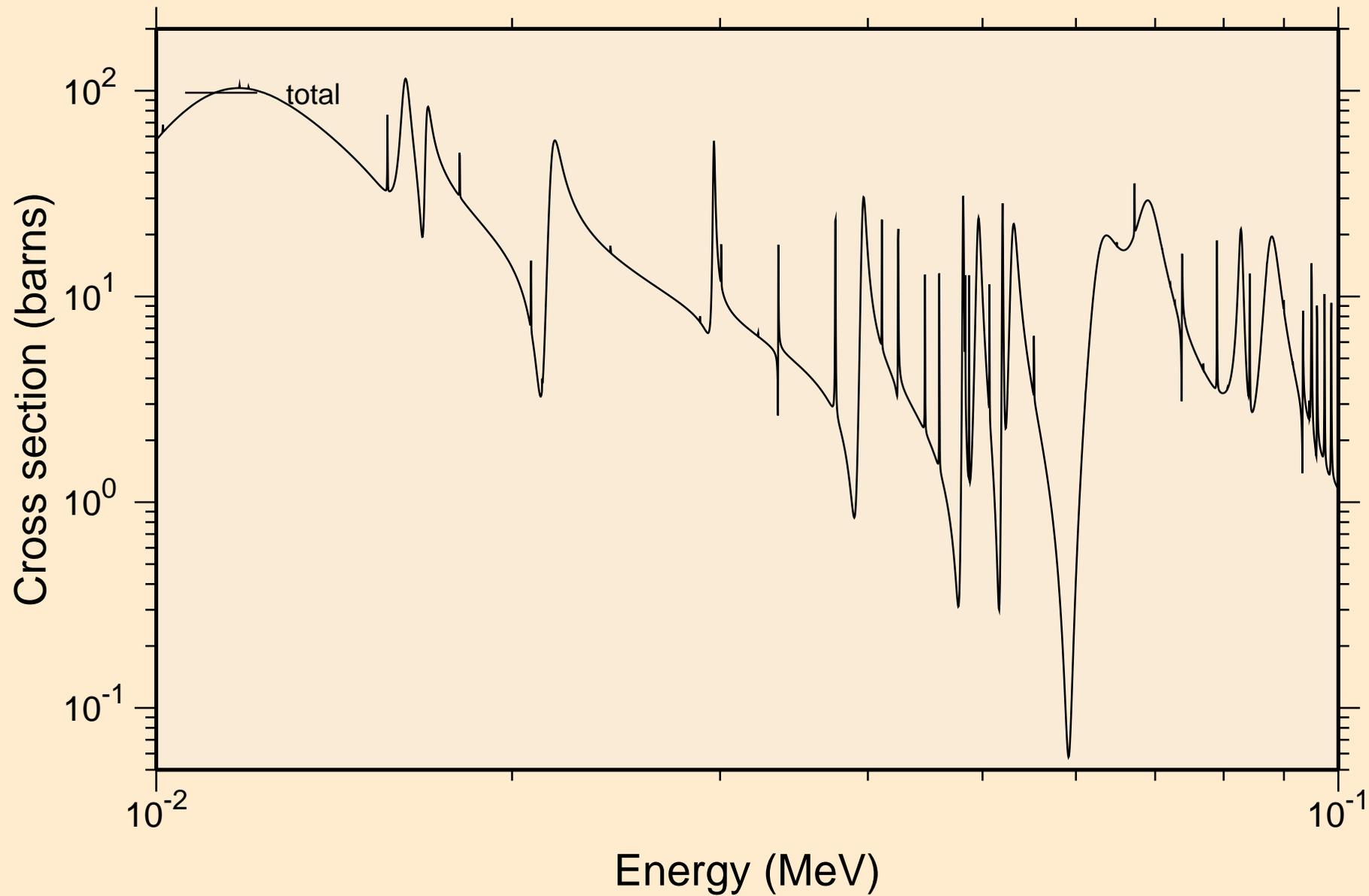
## Principal cross sections



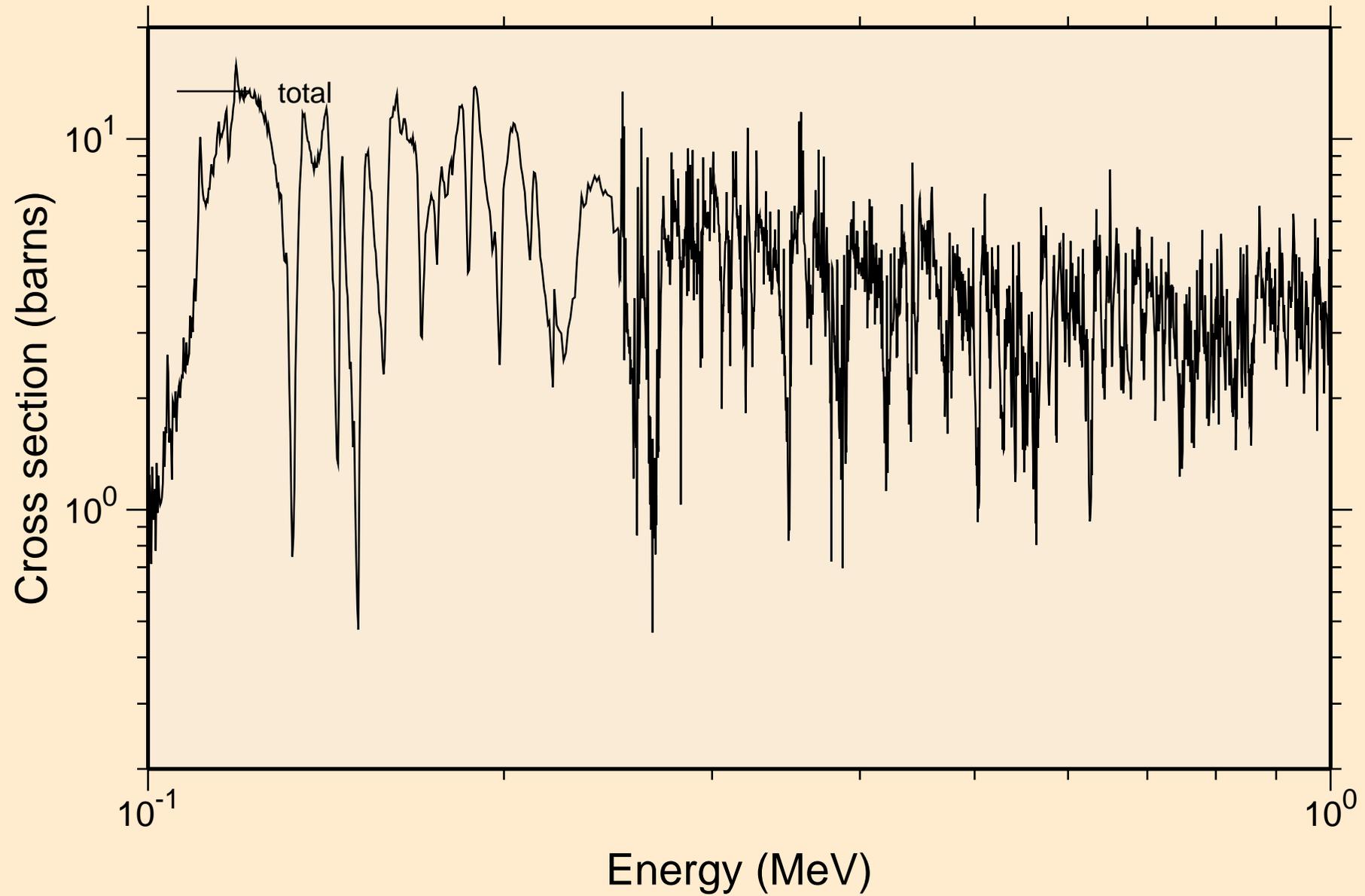
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance total cross section



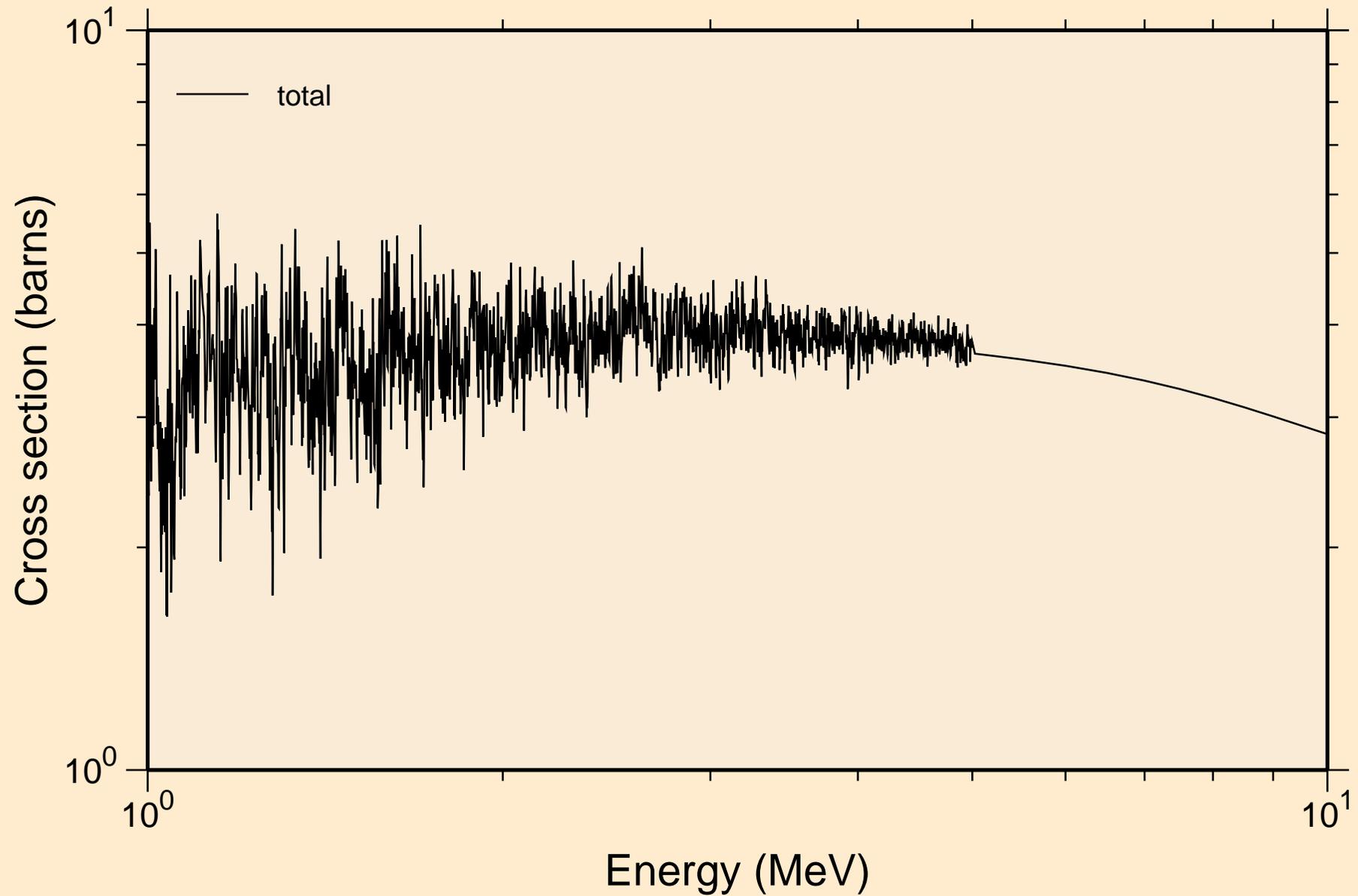
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance total cross section



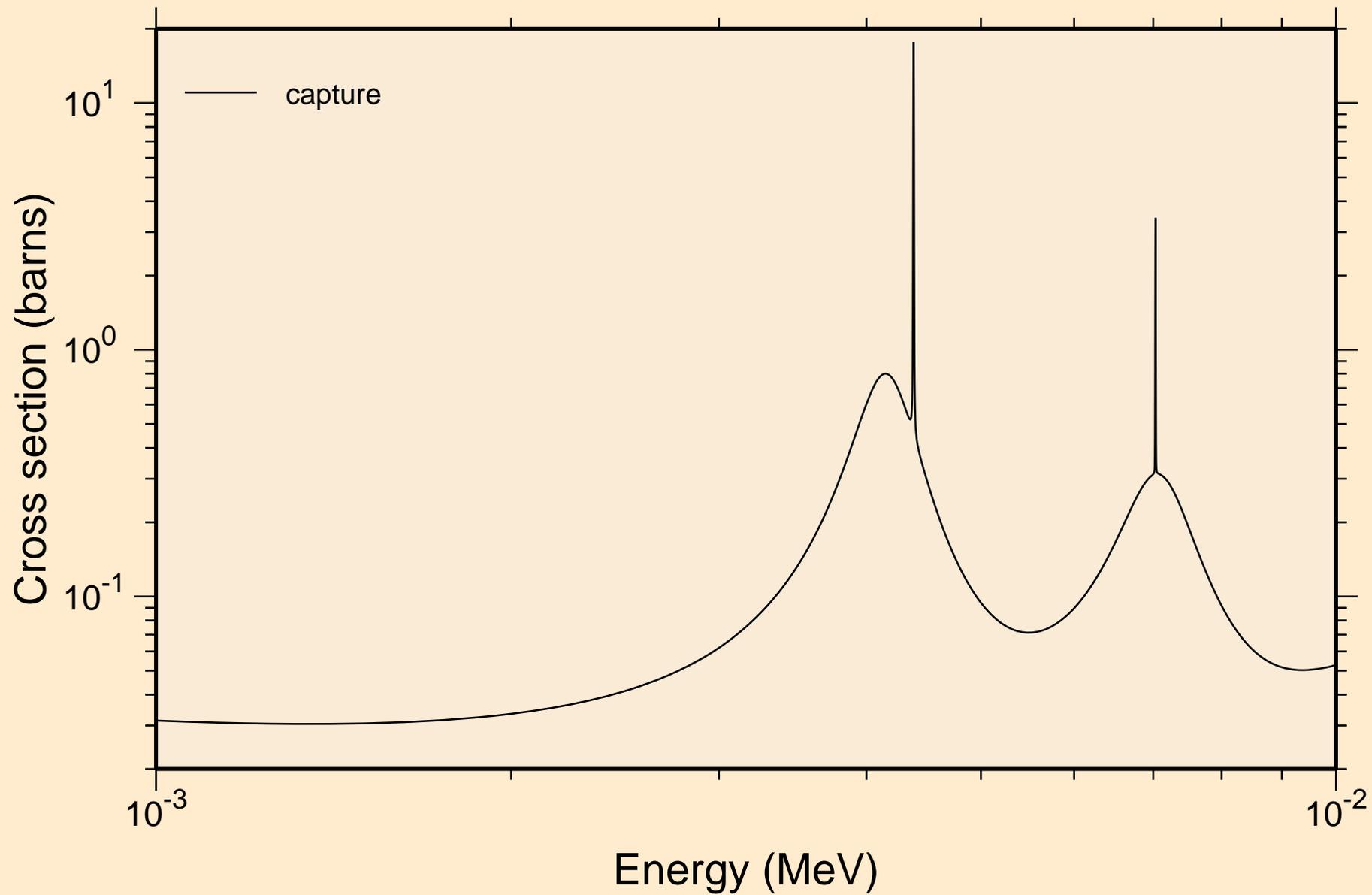
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance total cross section



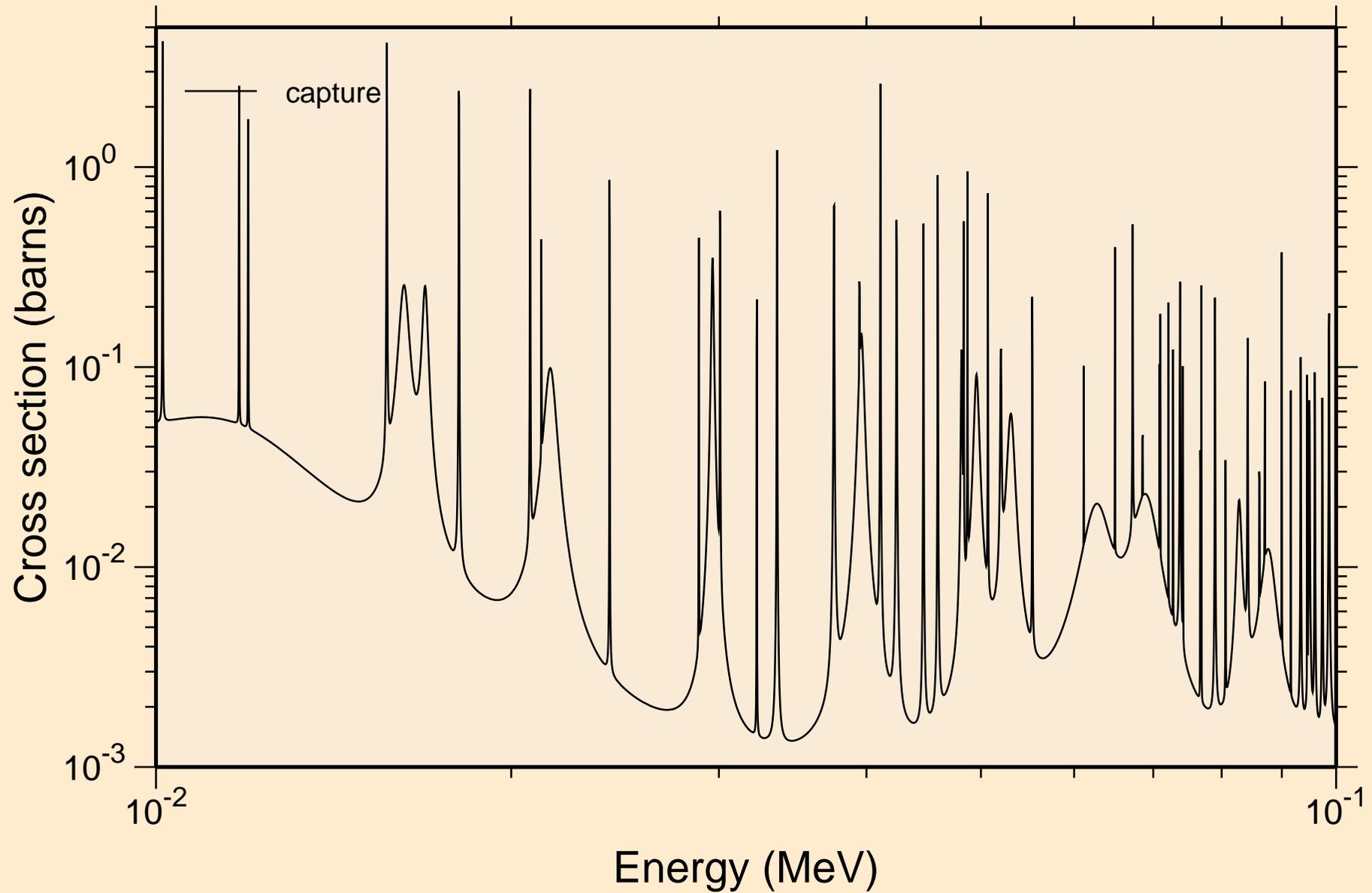
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance total cross section



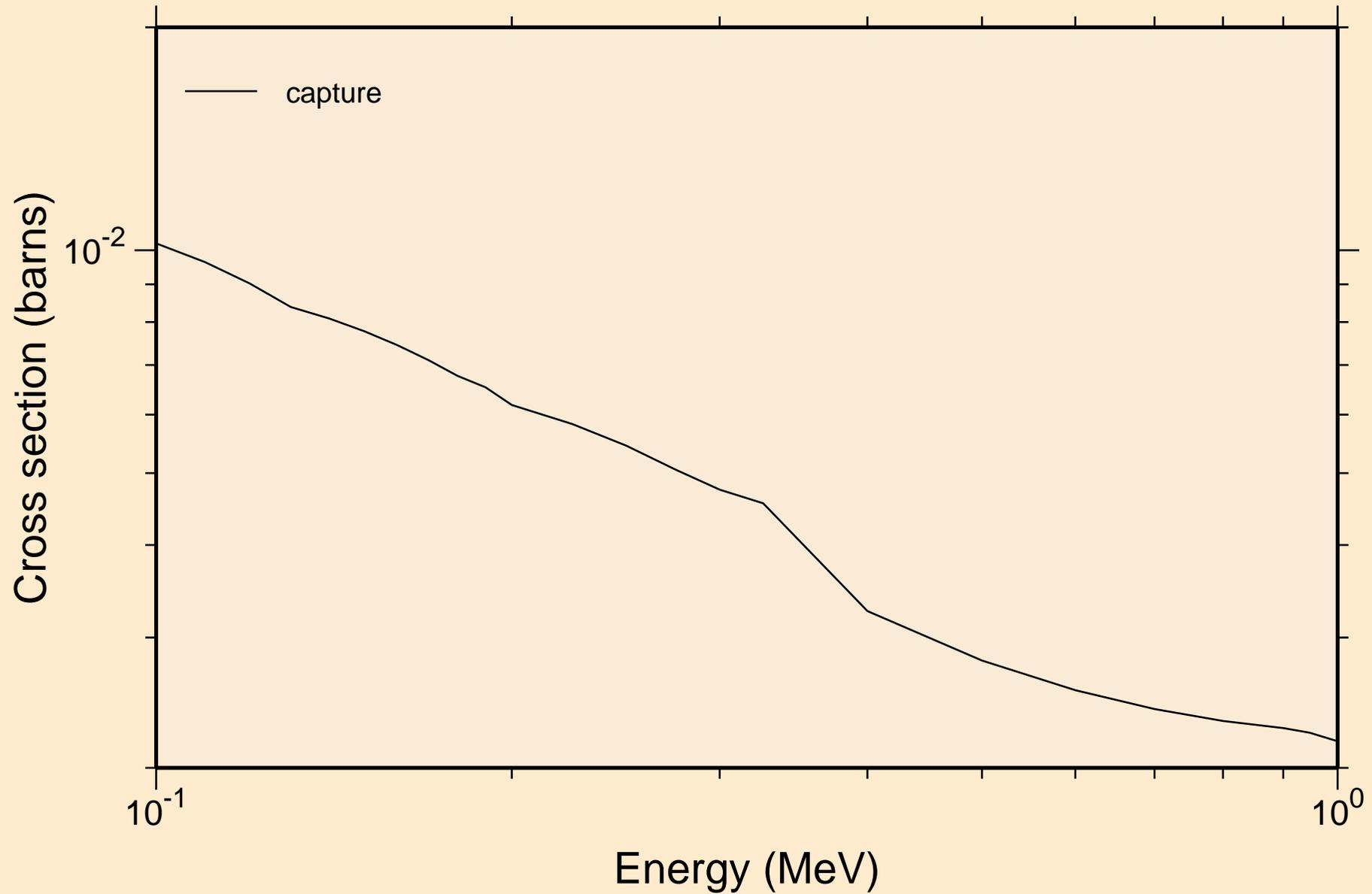
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance absorption cross sections



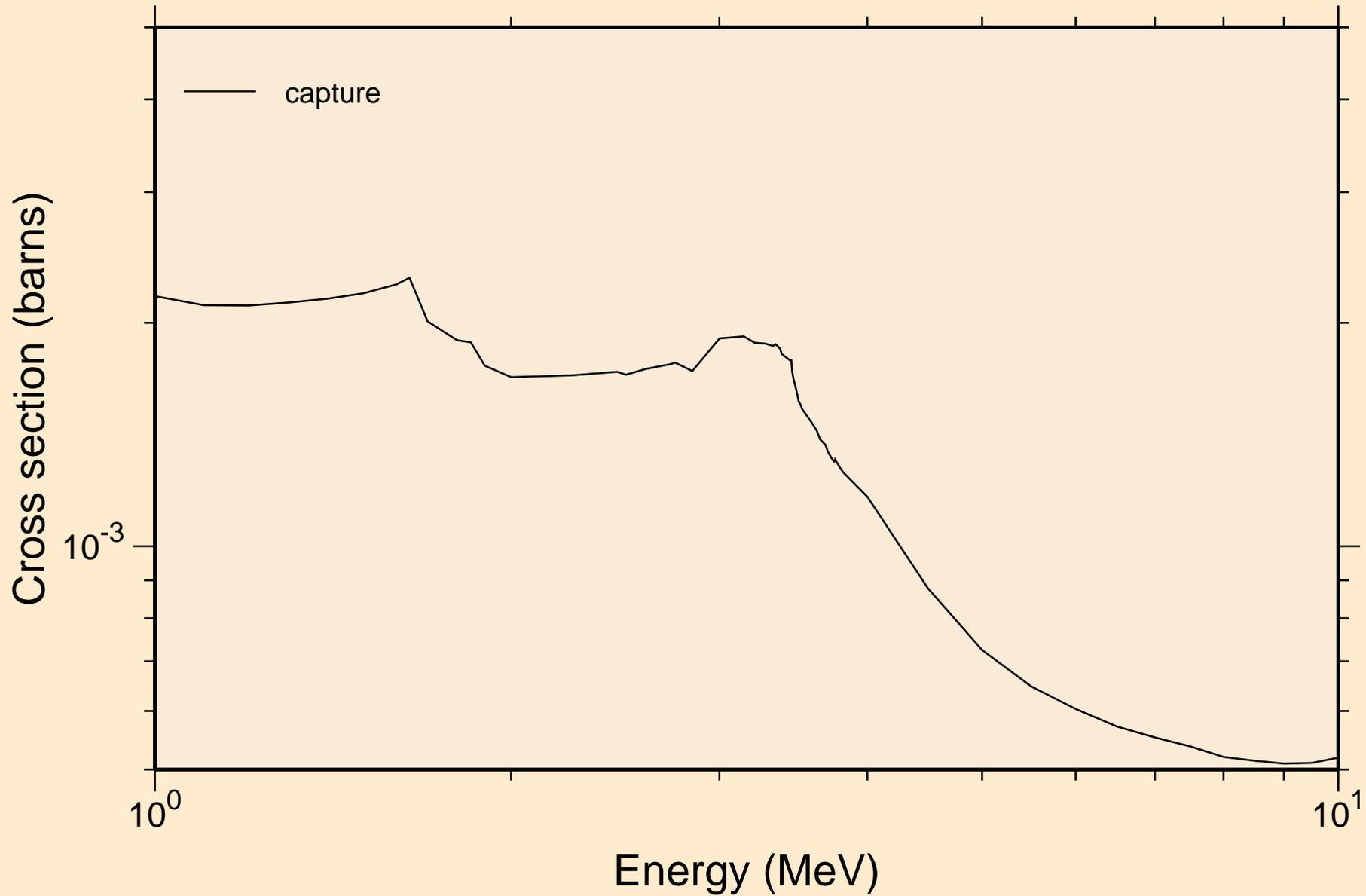
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance absorption cross sections



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance absorption cross sections

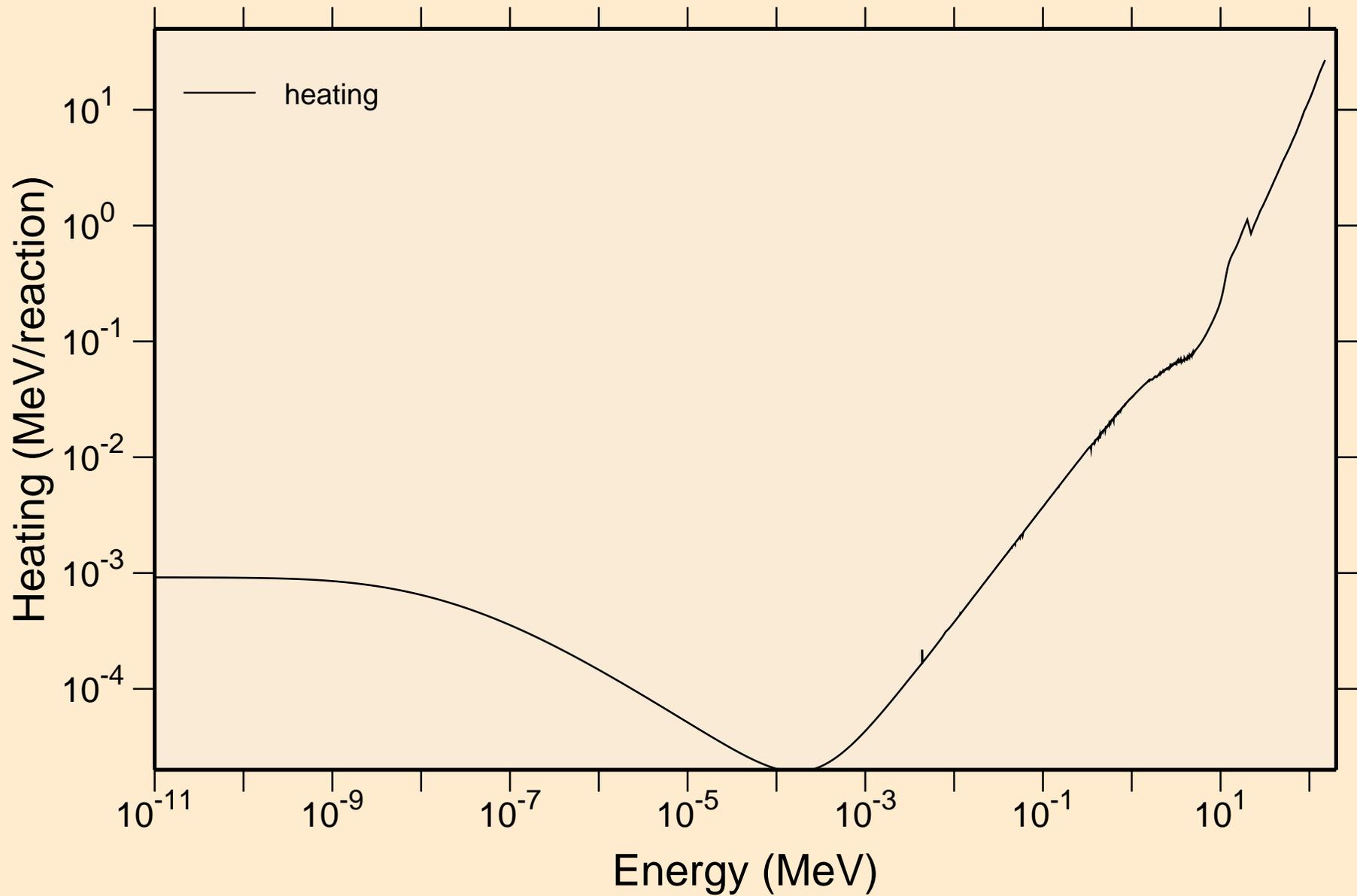


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
resonance absorption cross sections



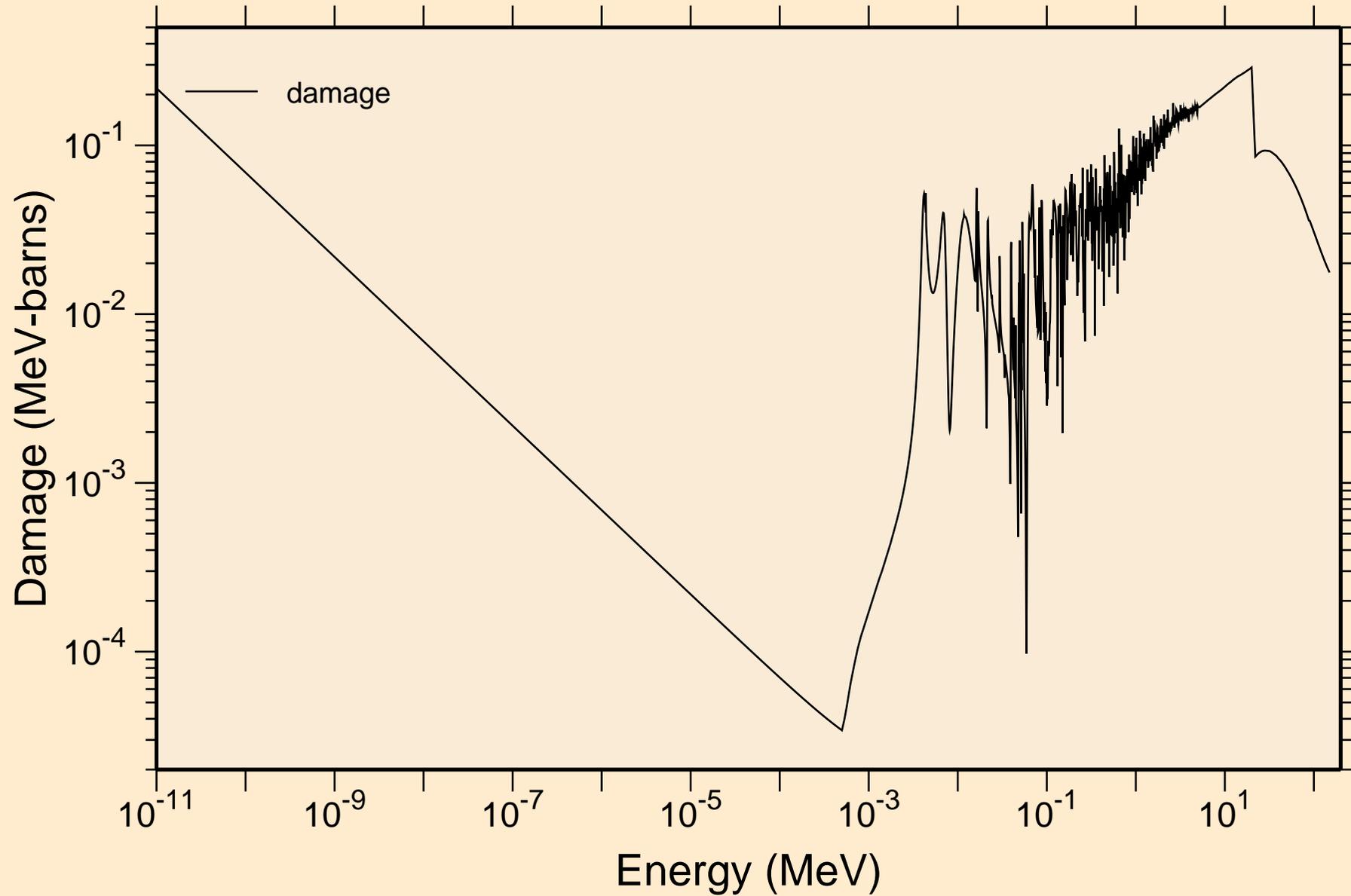
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Heating



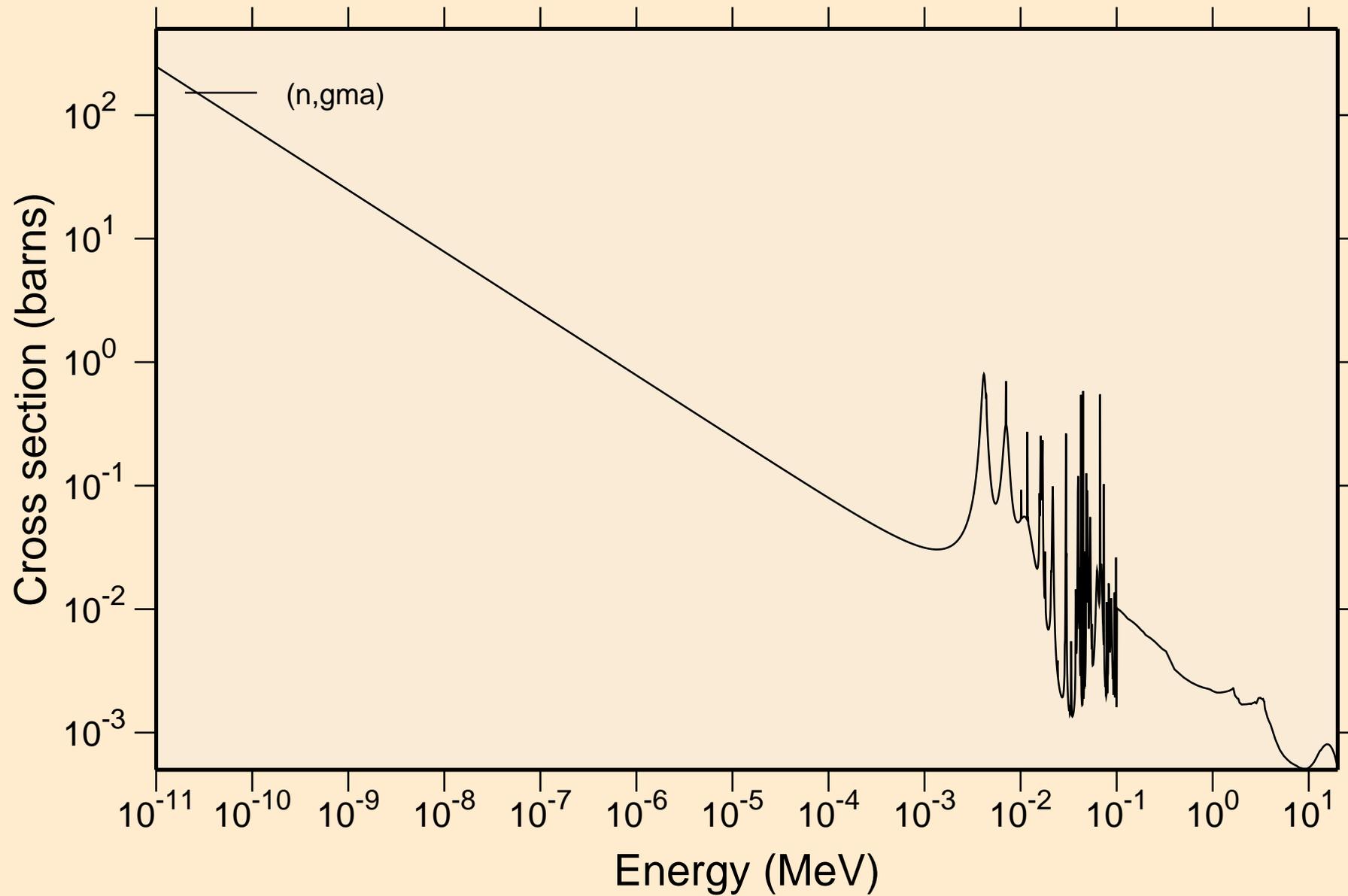
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Damage



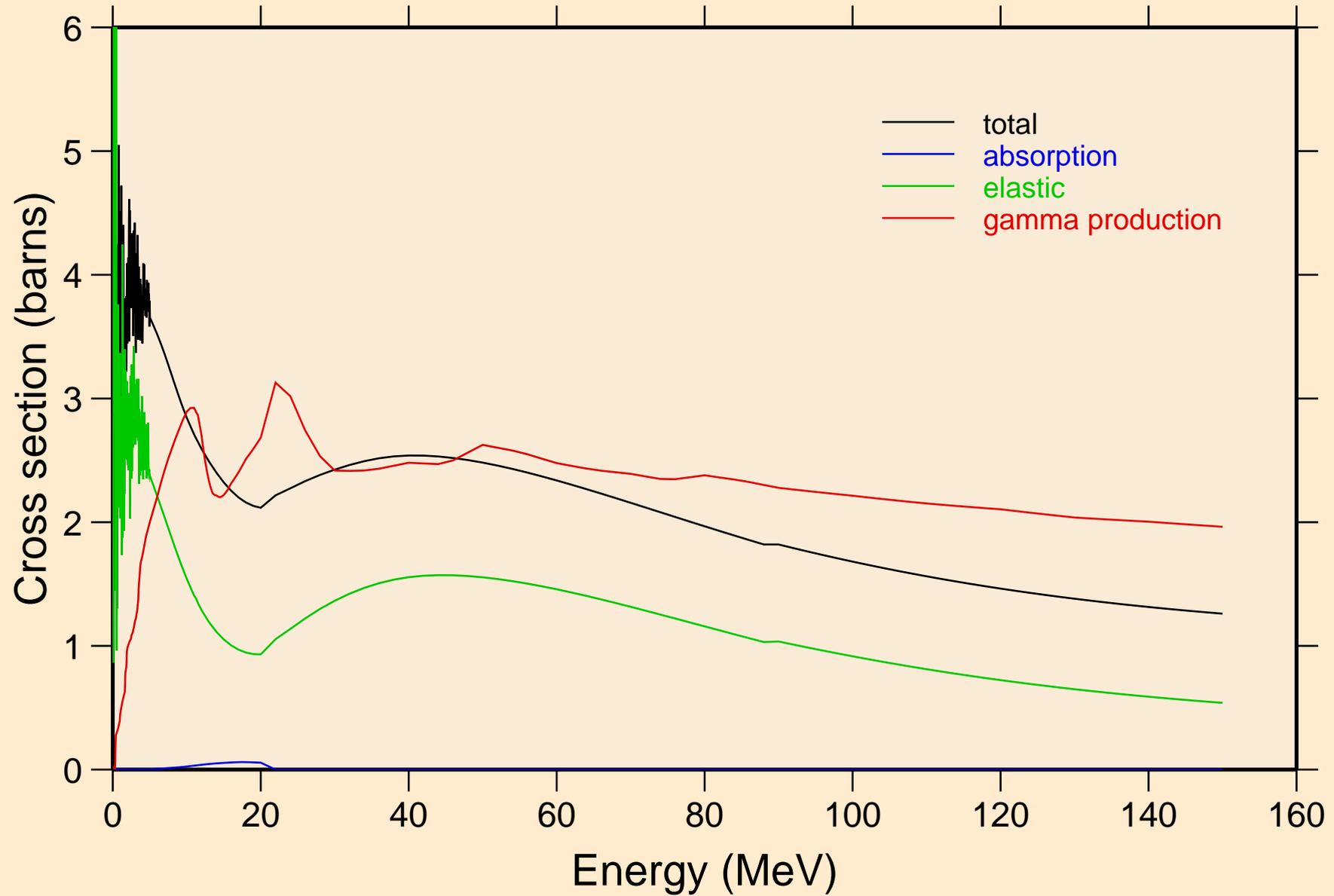
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Non-threshold reactions



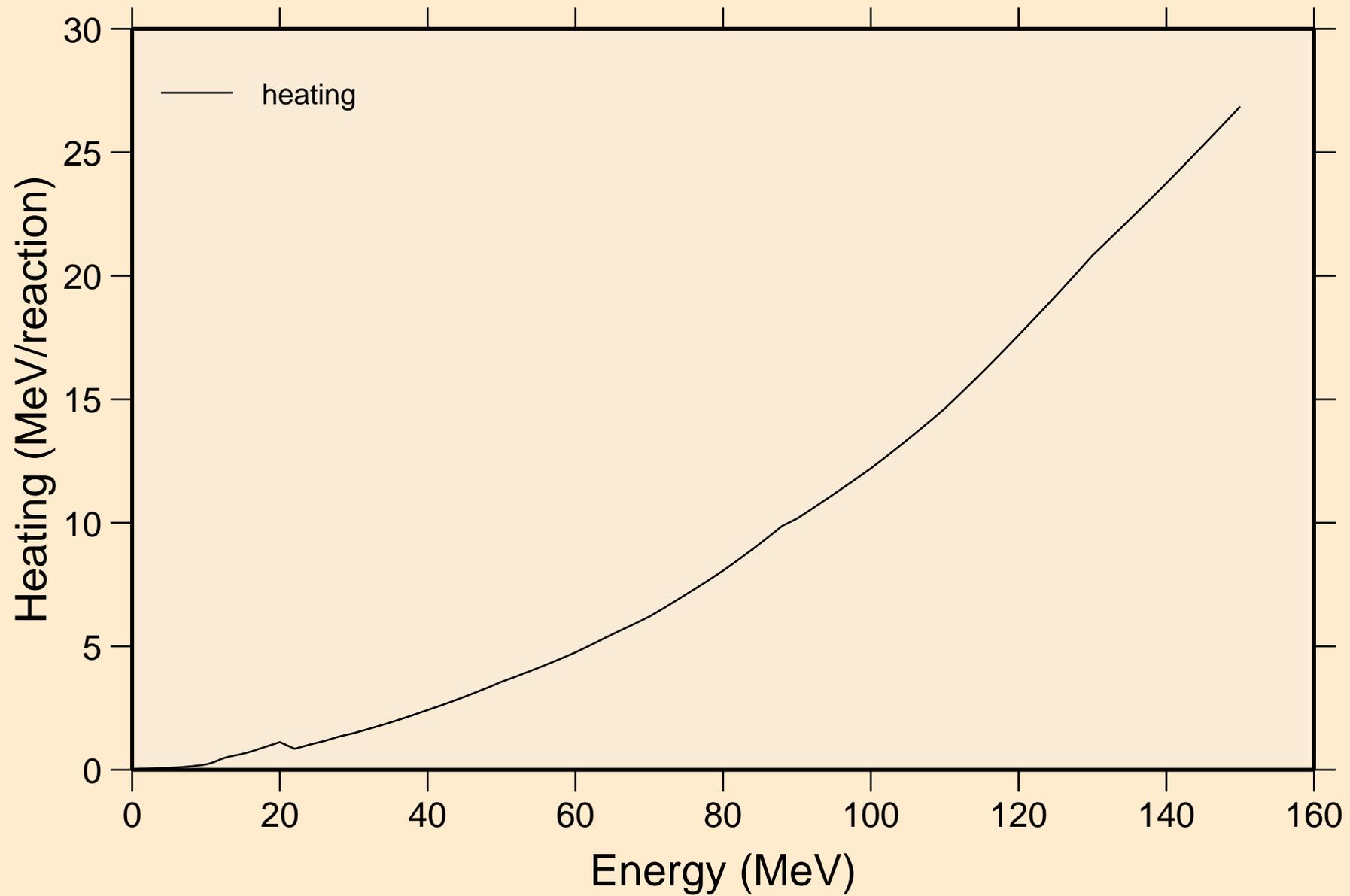
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Principal cross sections



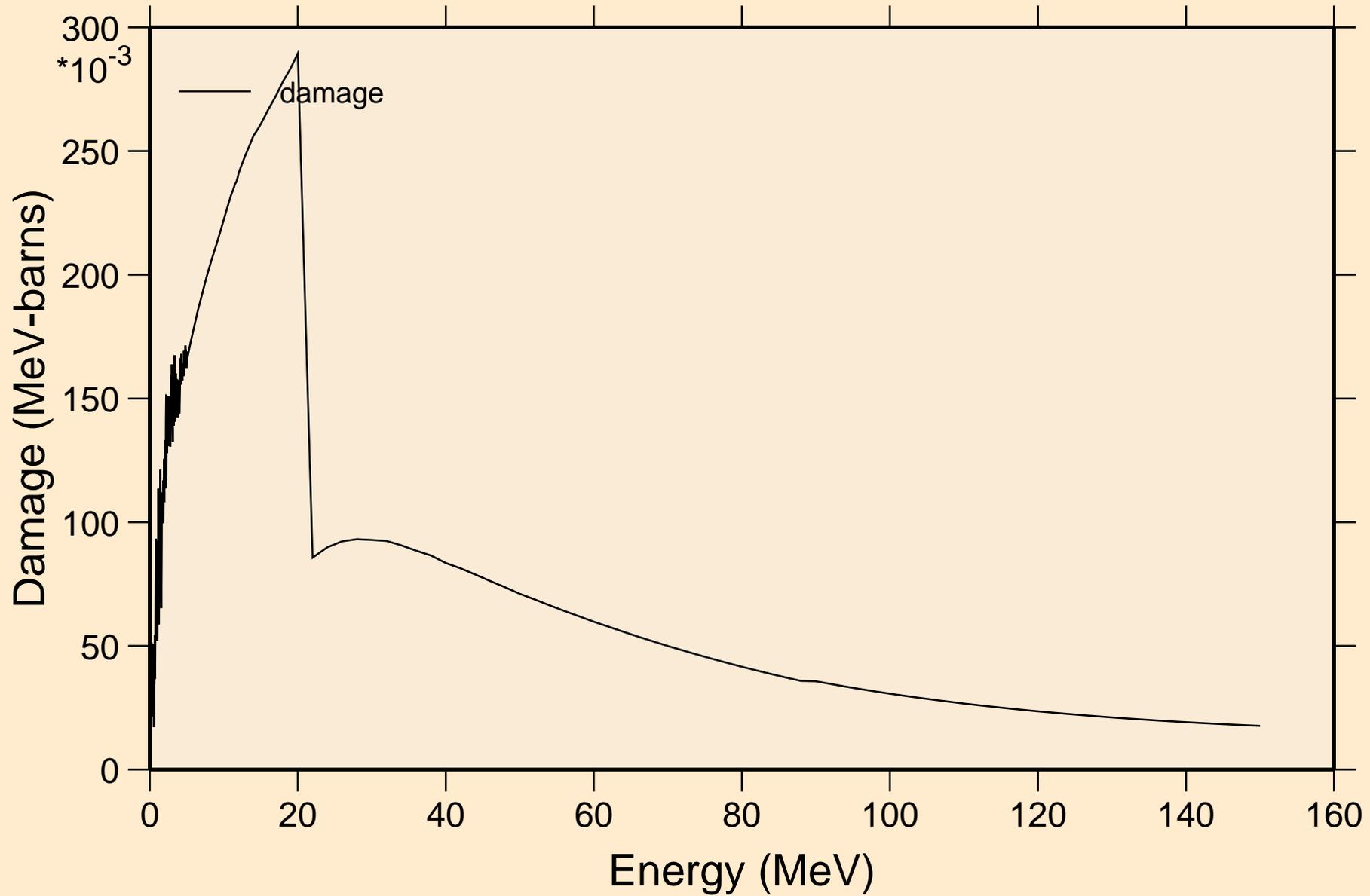
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Heating



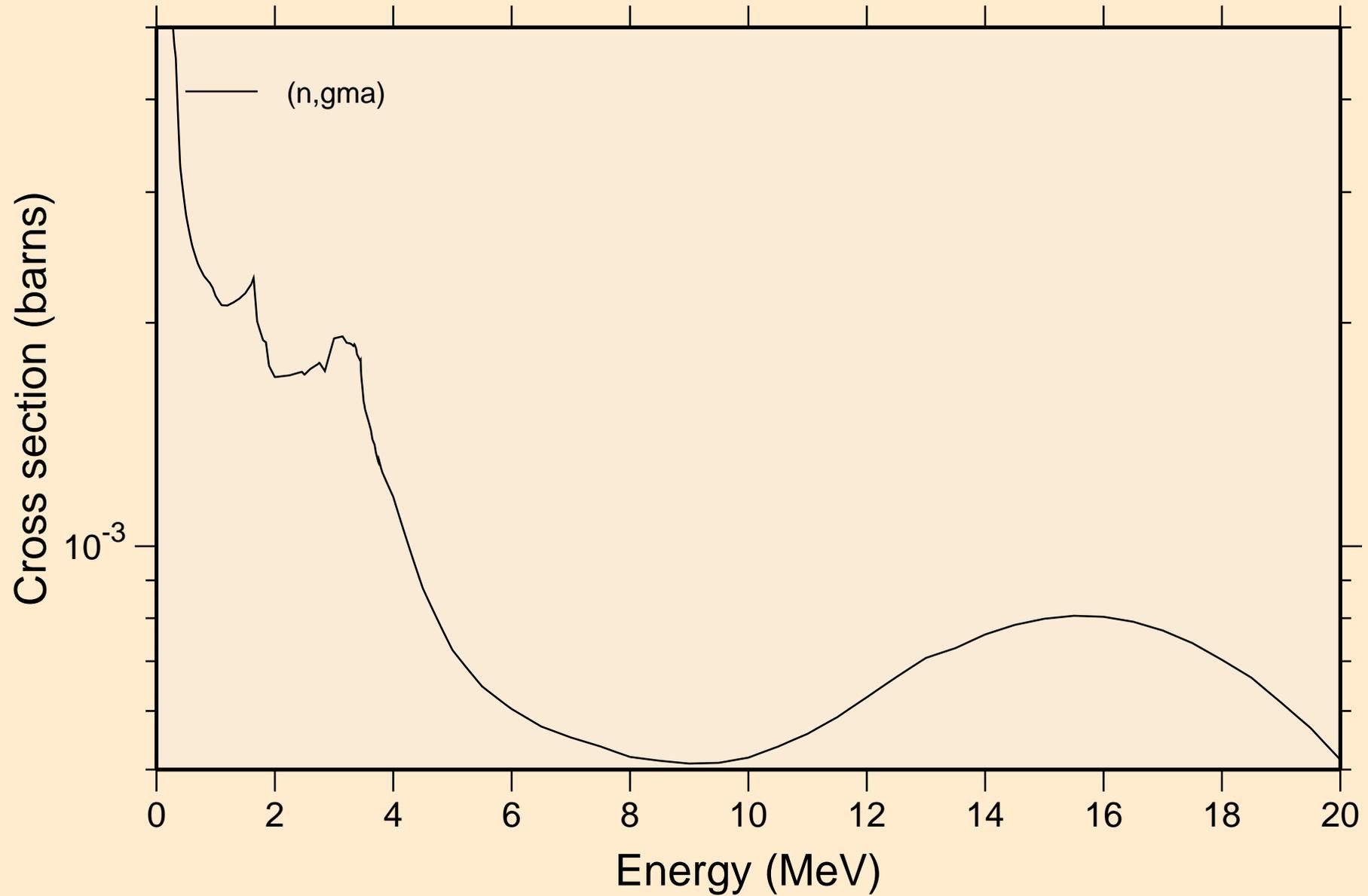
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Damage



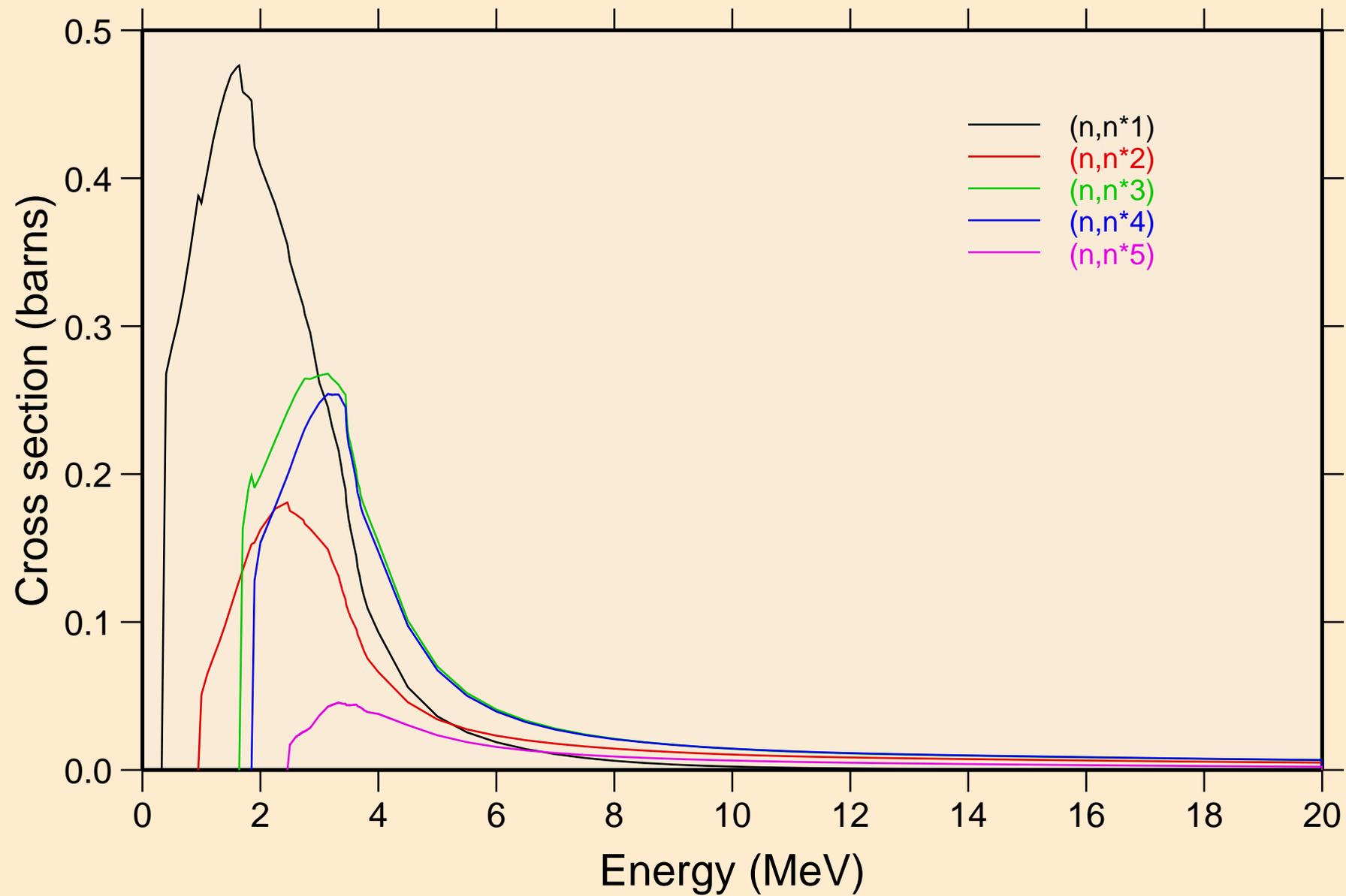
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Non-threshold reactions



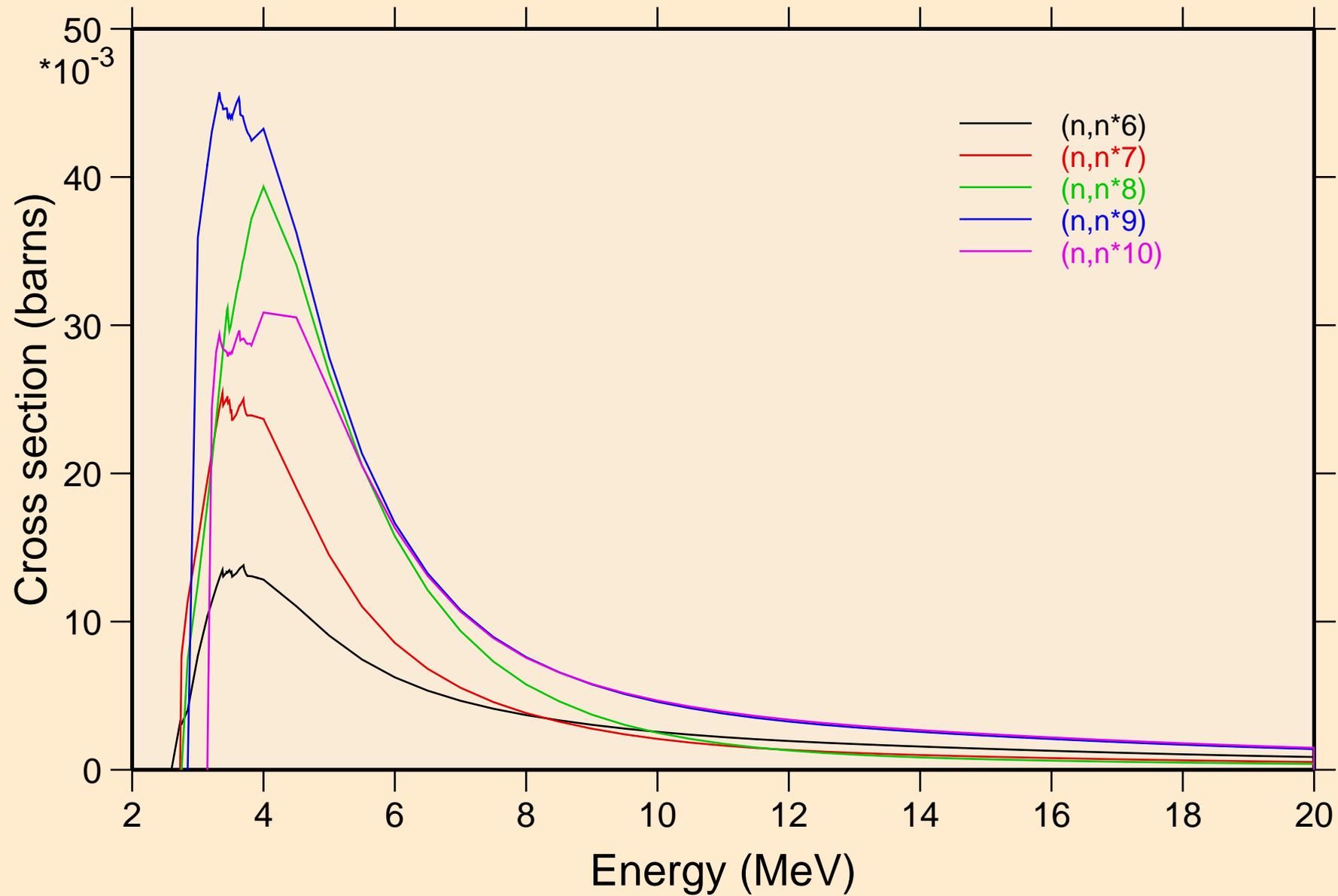
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



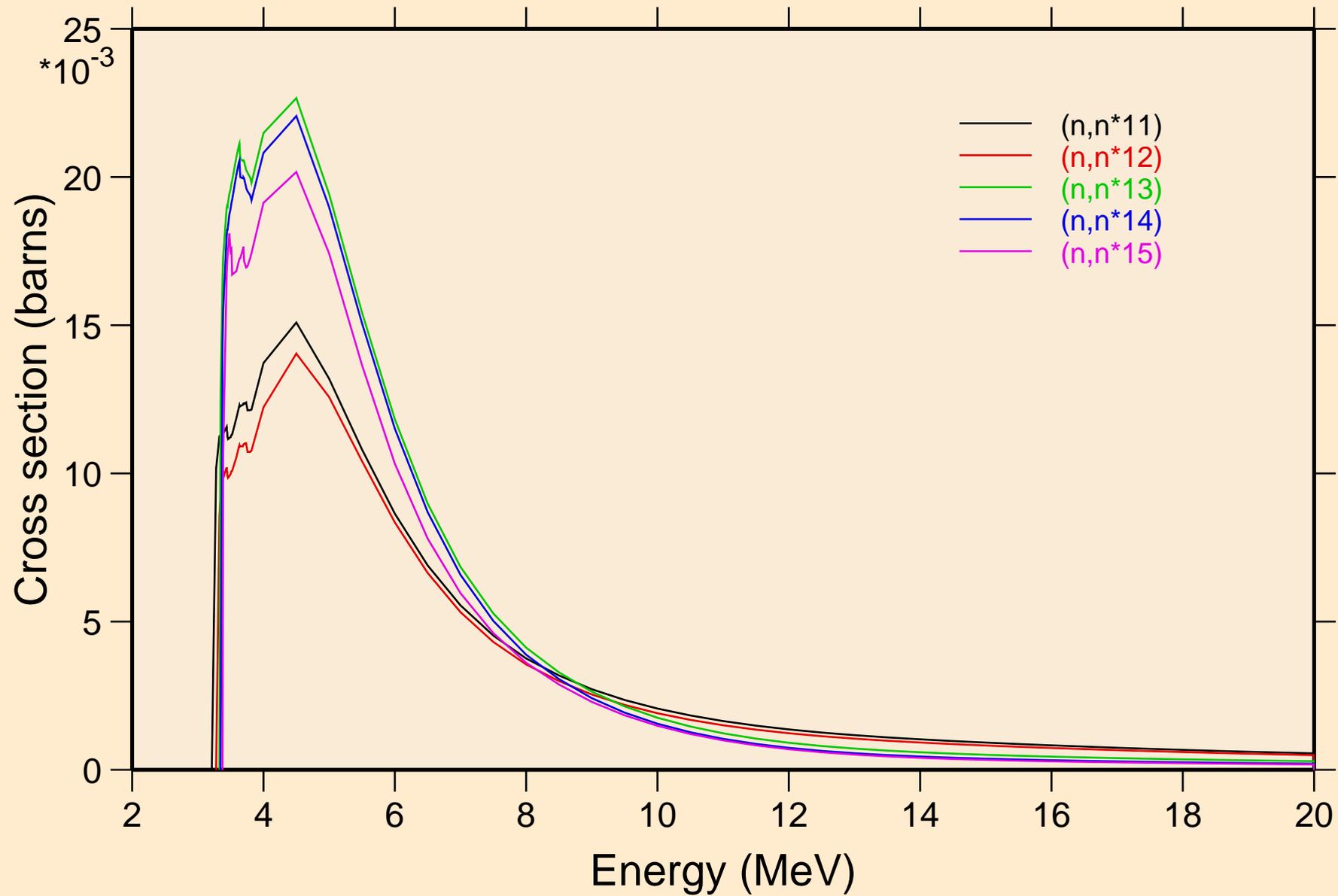
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



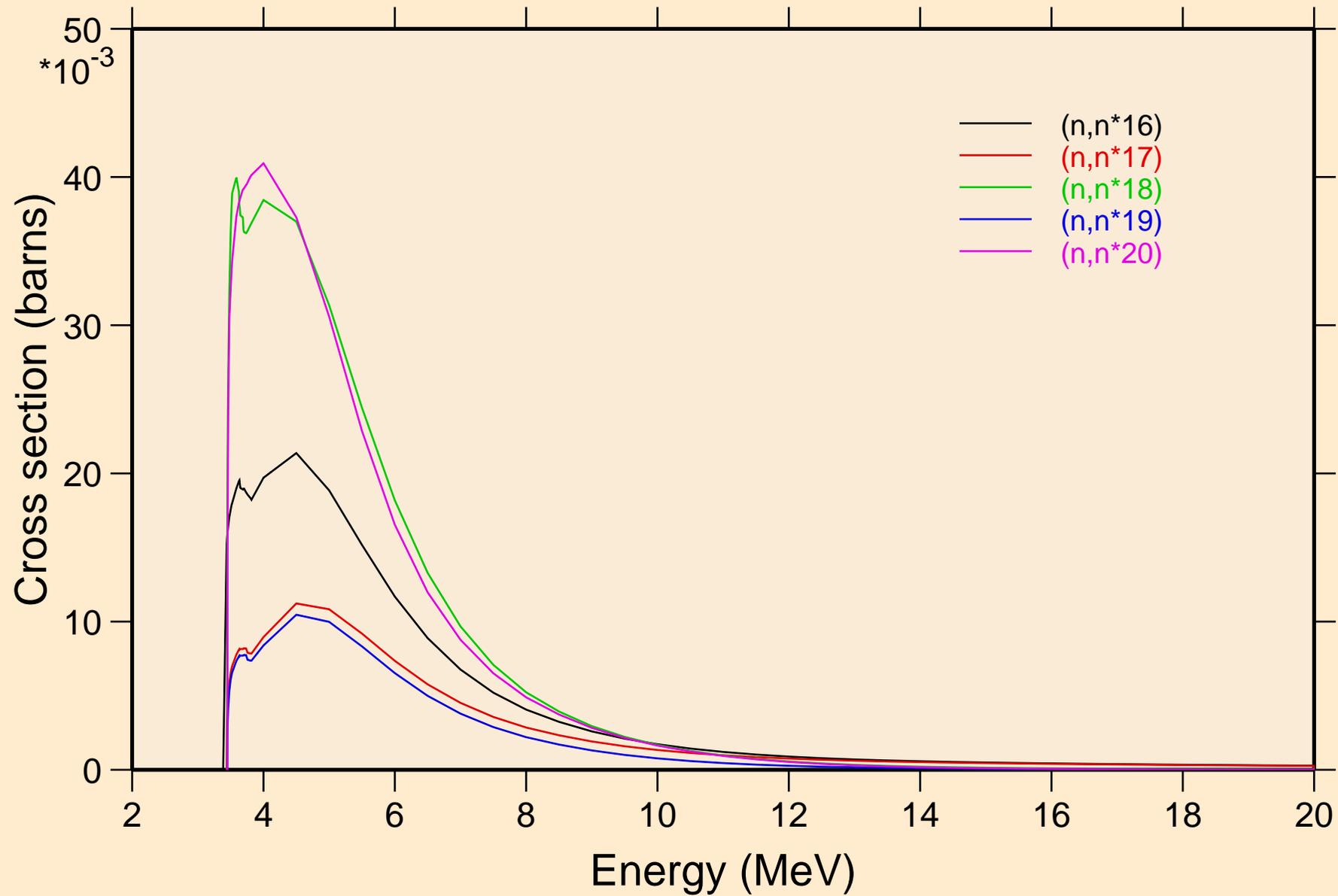
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



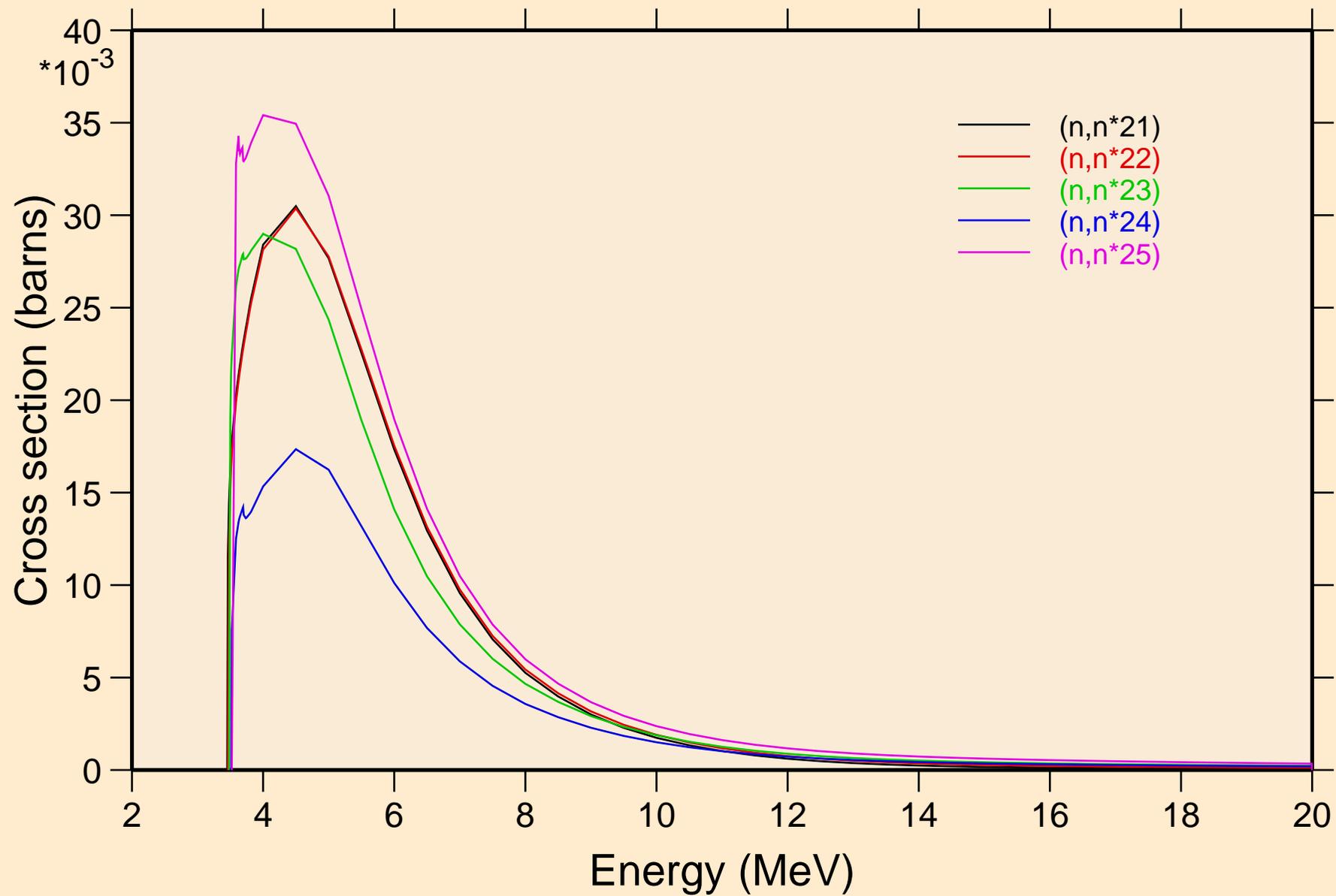
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



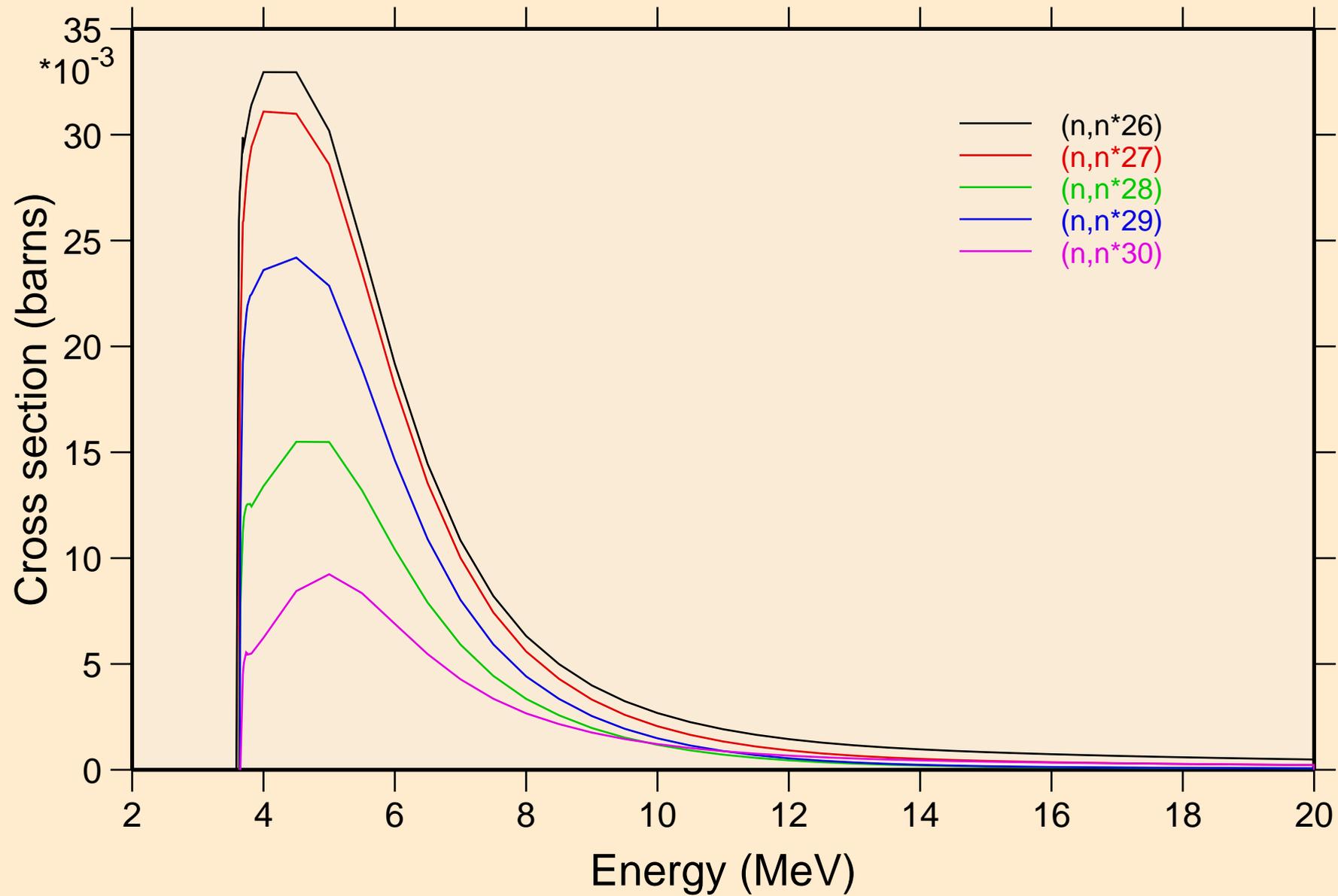
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



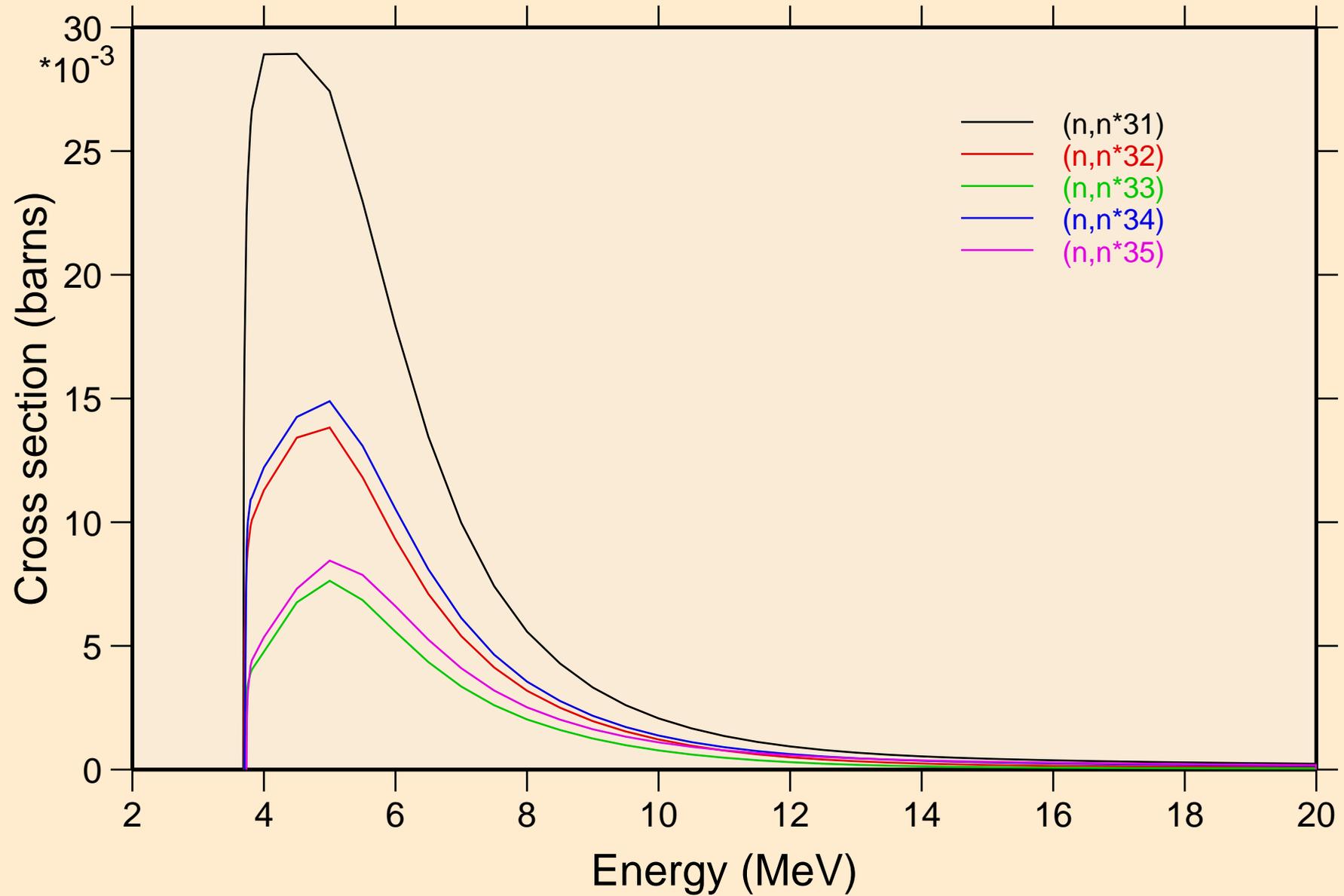
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



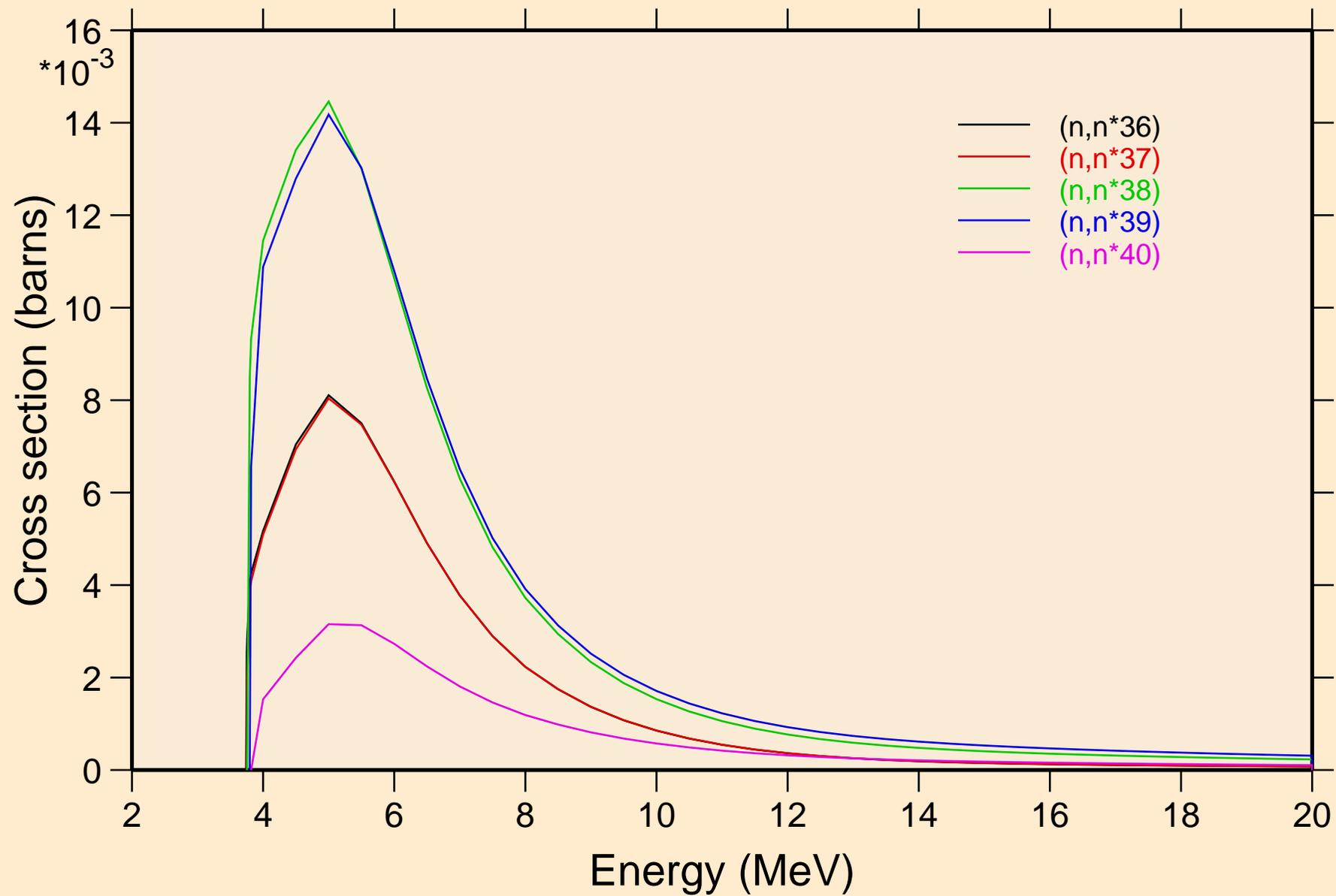
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



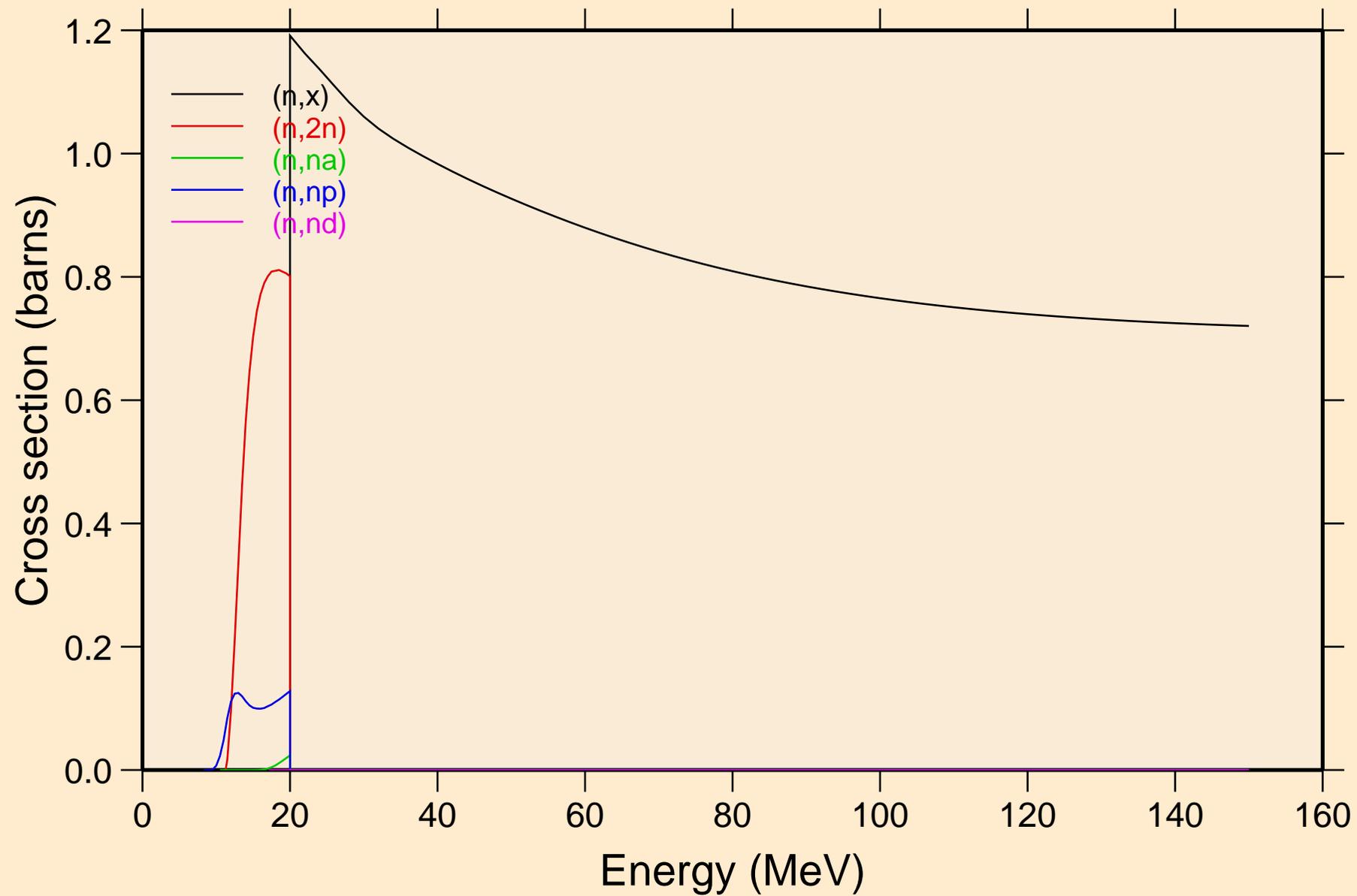
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Inelastic levels



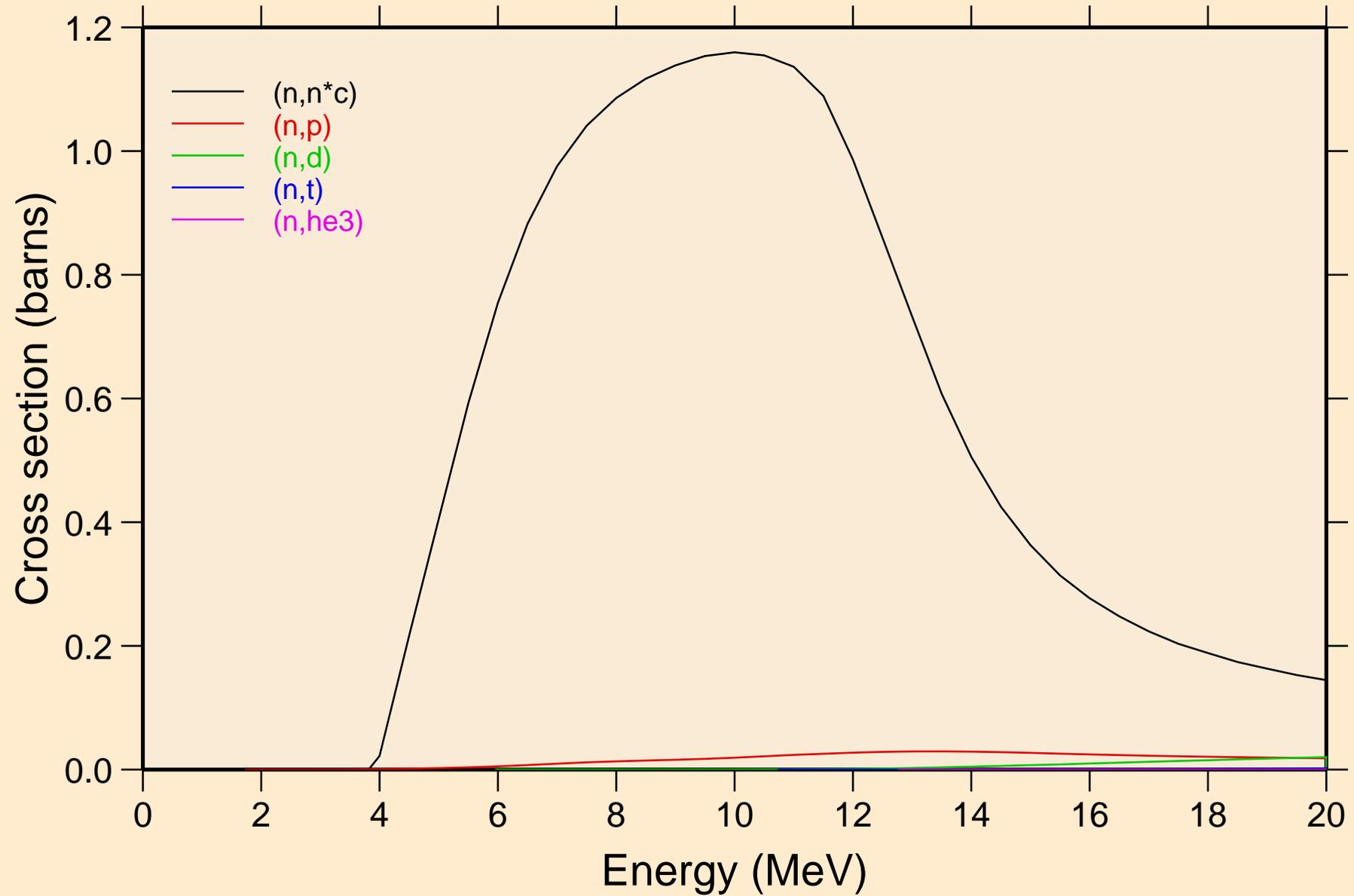
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Threshold reactions



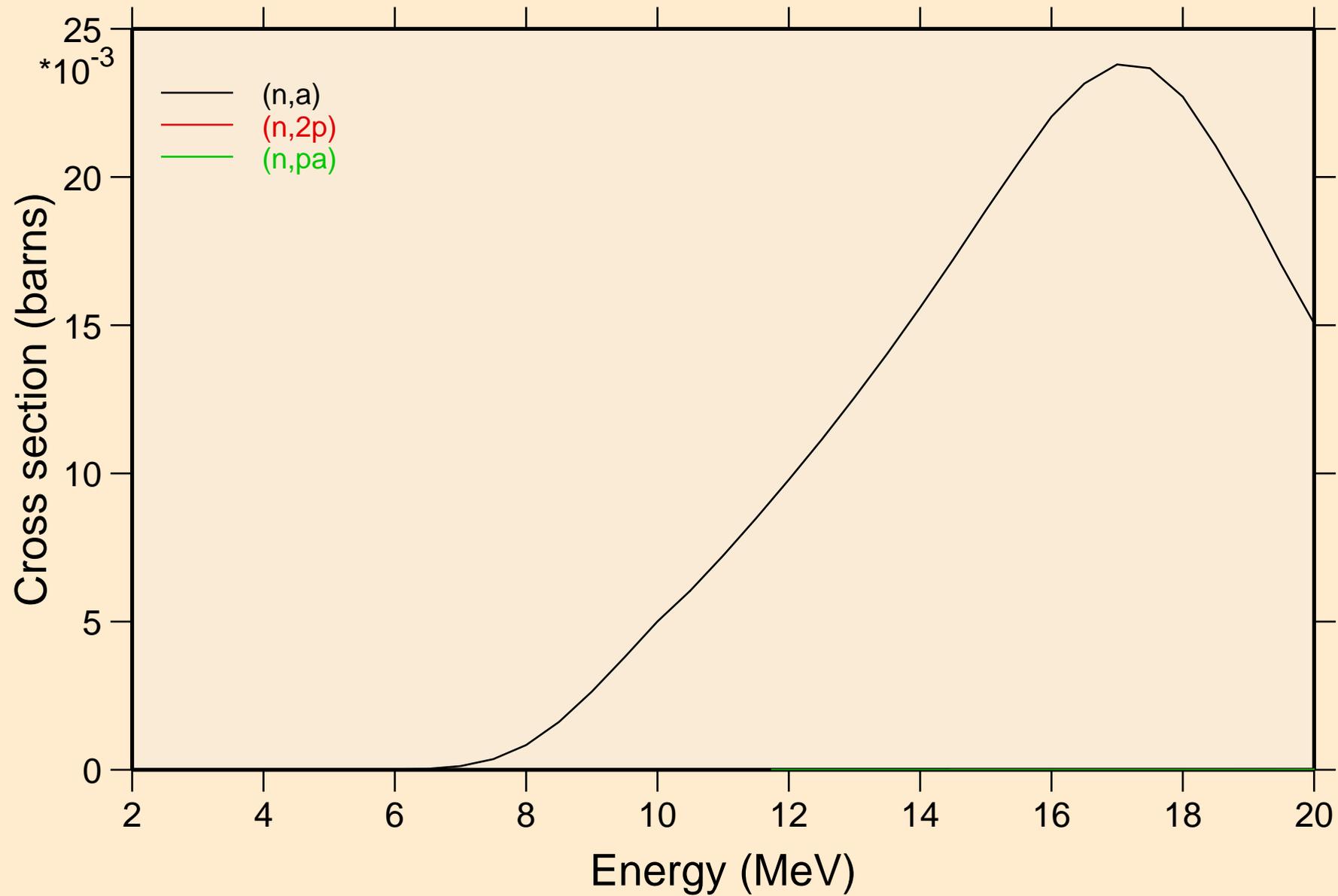
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Threshold reactions



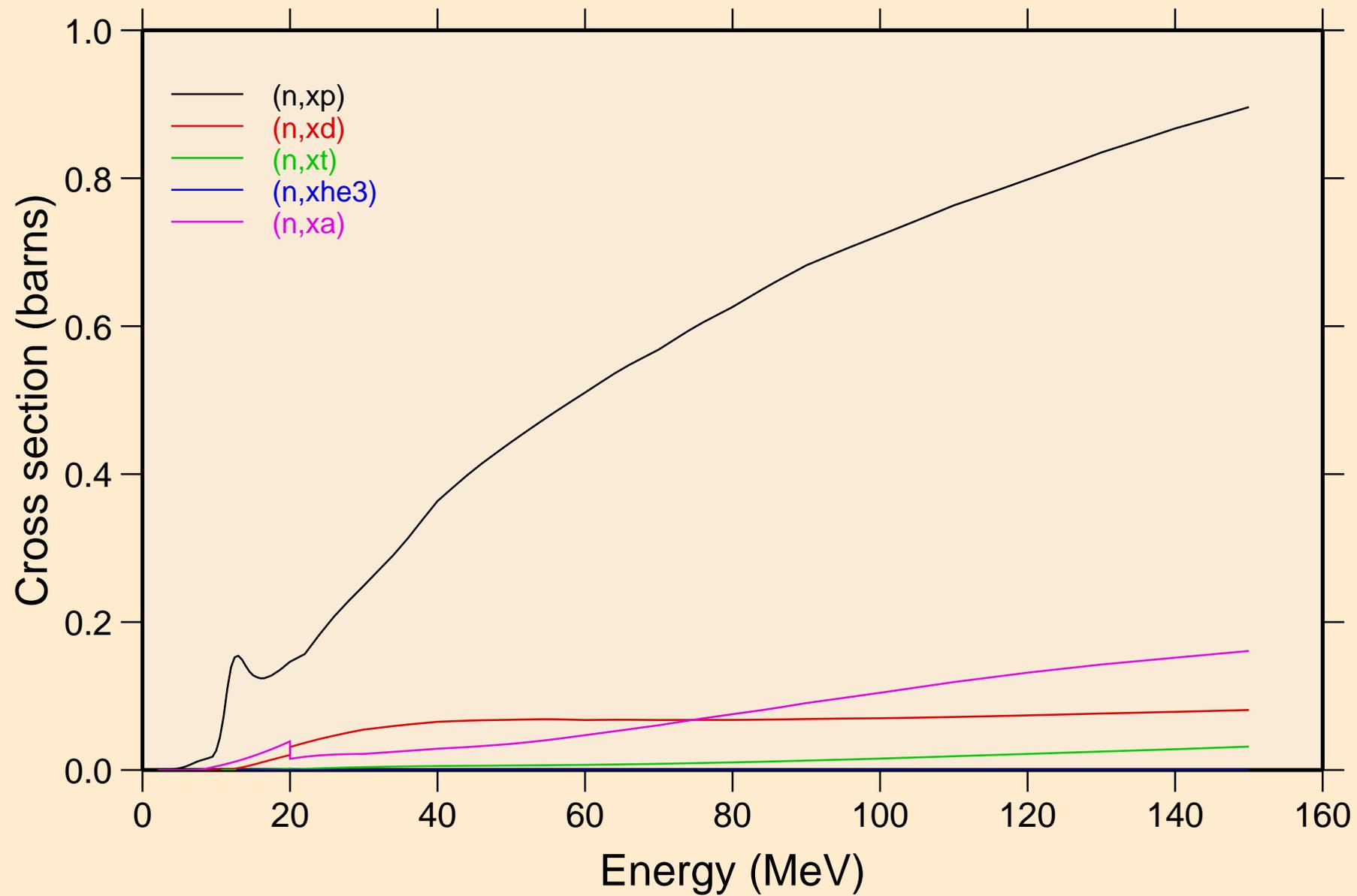
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Threshold reactions

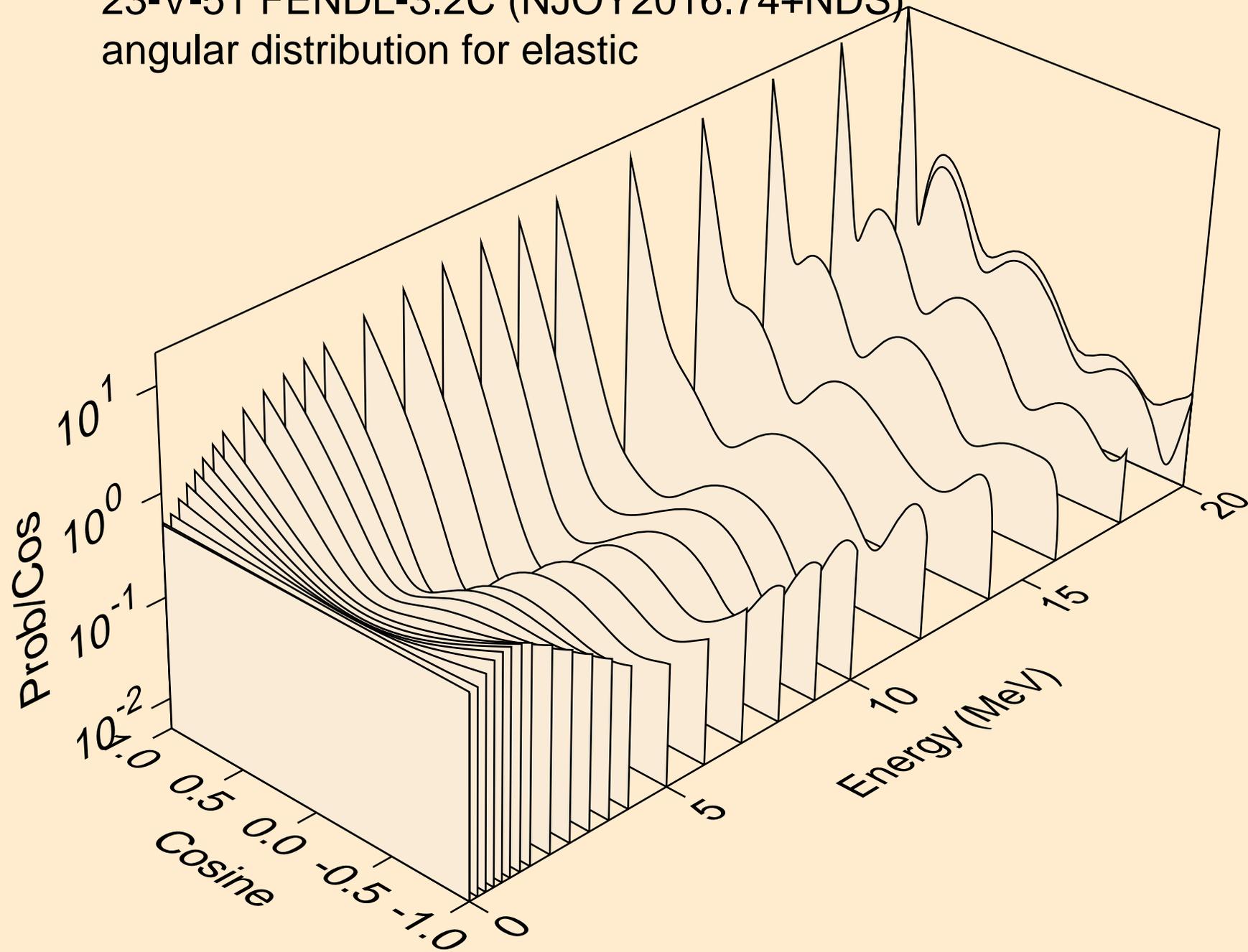


# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

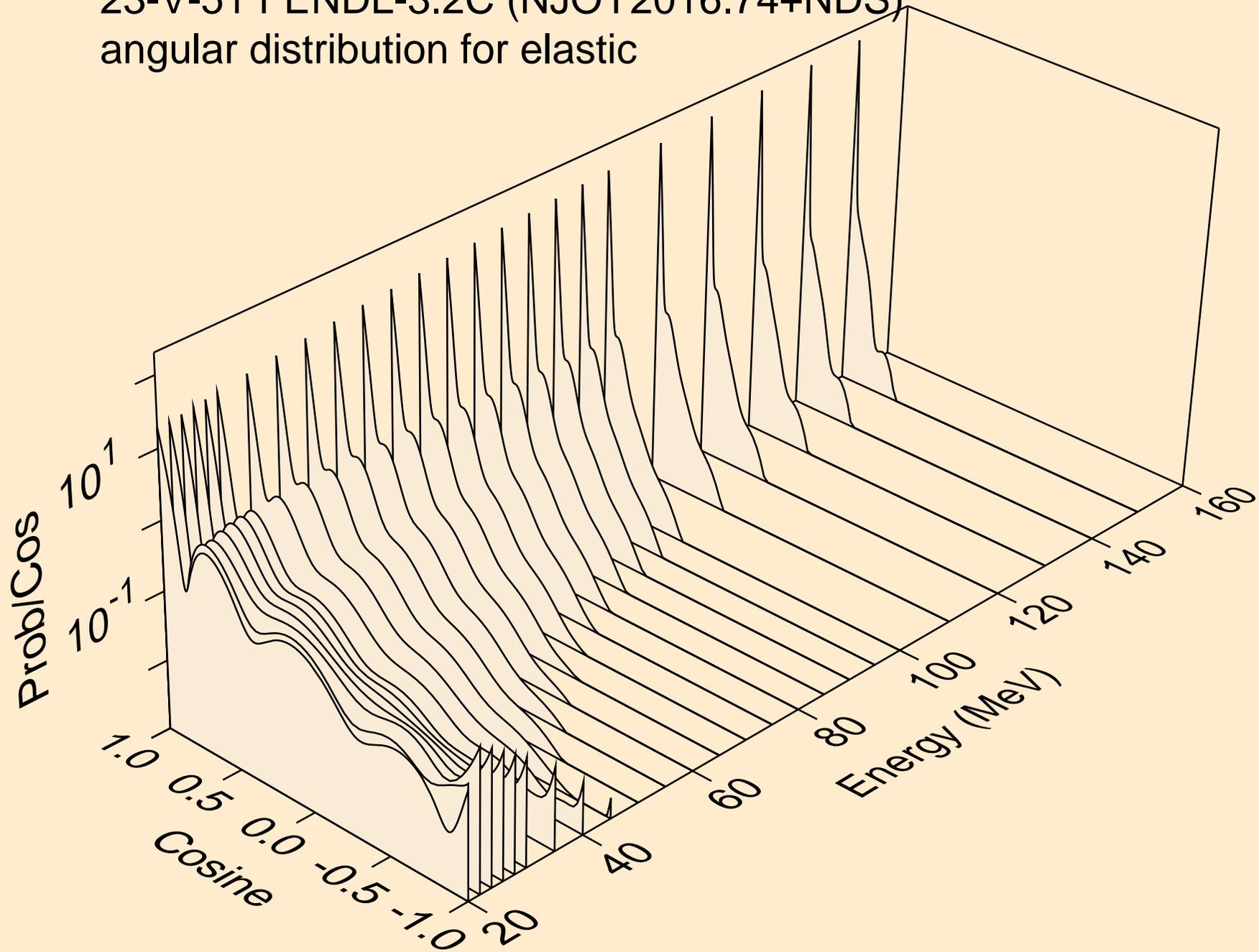
## Threshold reactions



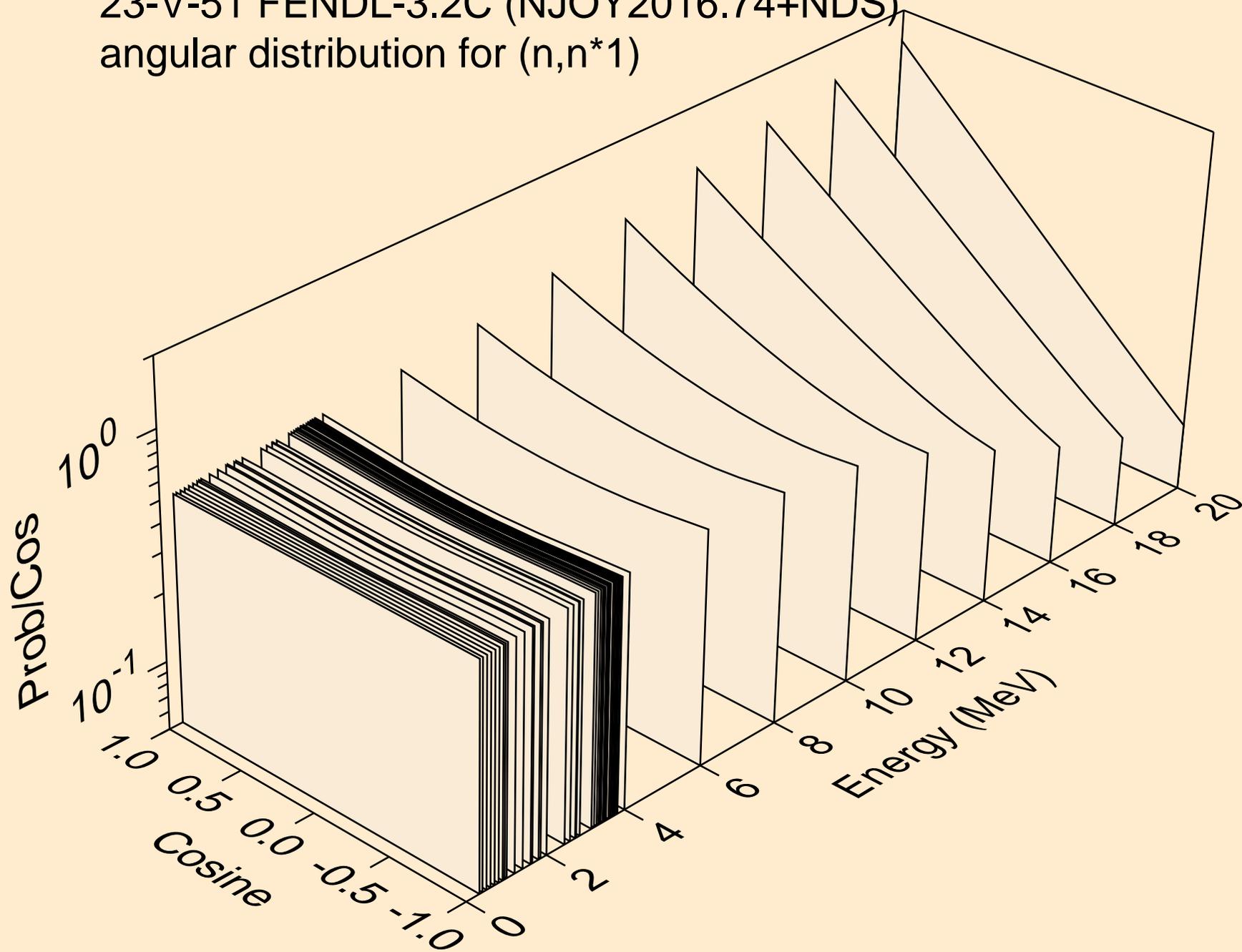
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for elastic



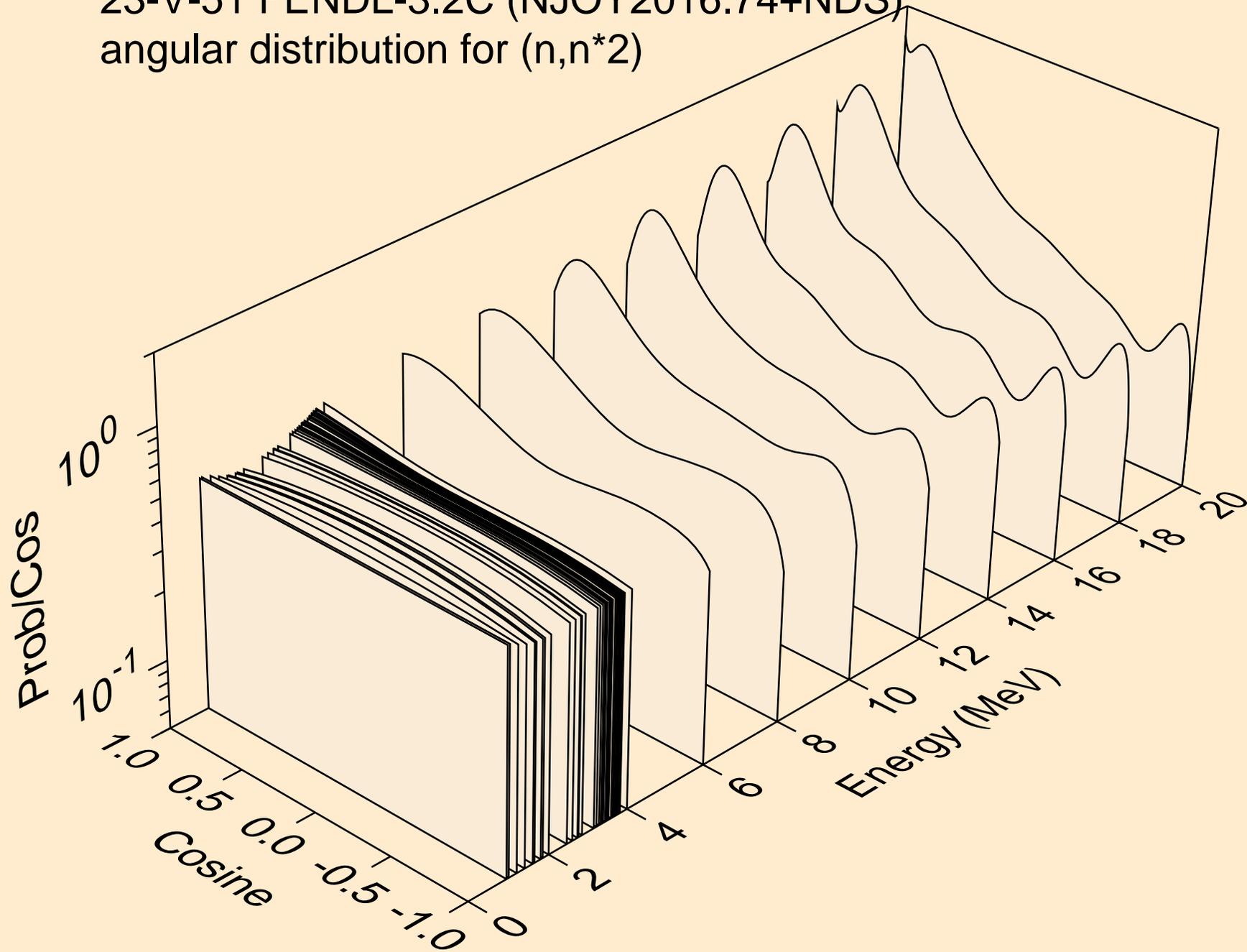
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for elastic



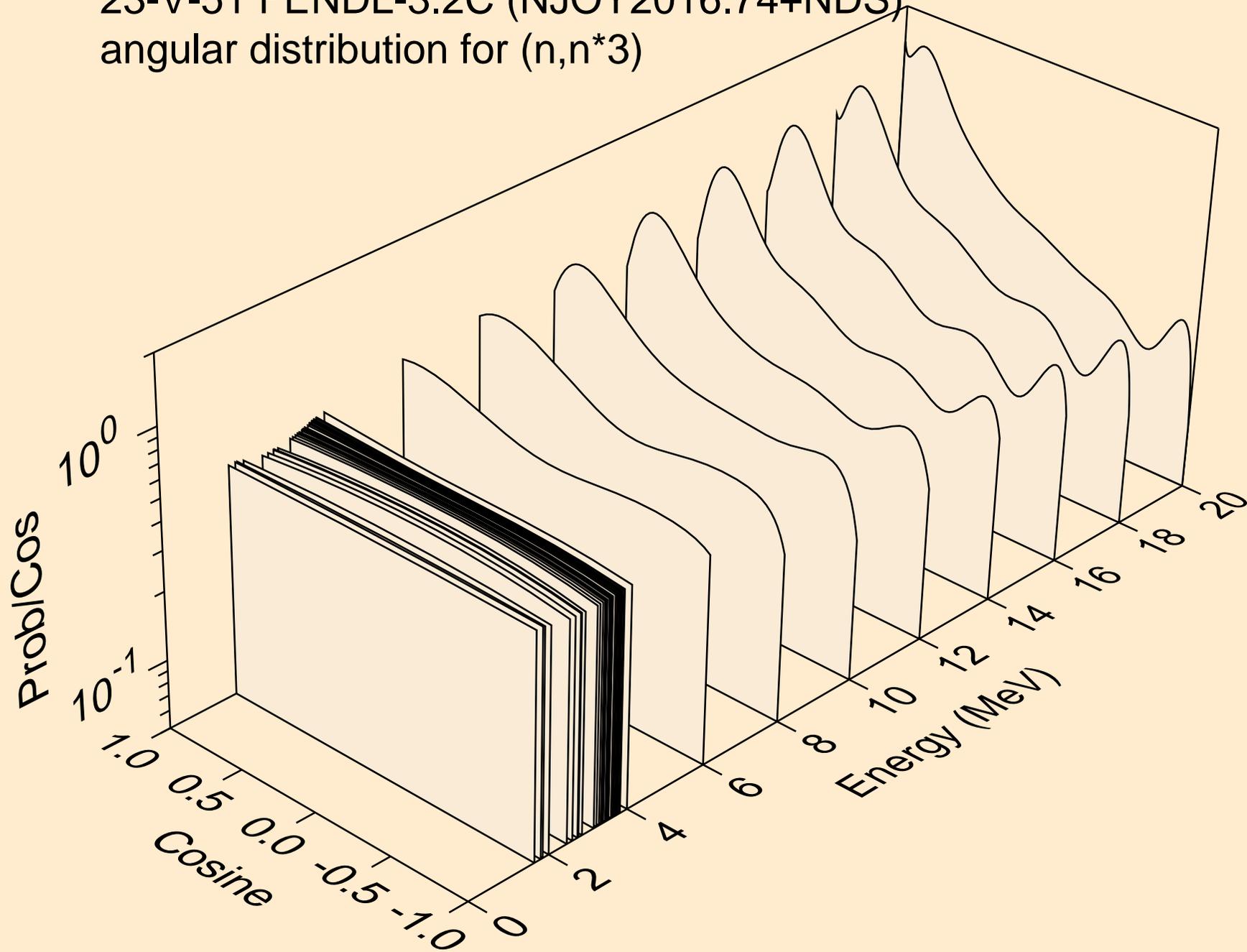
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*1)



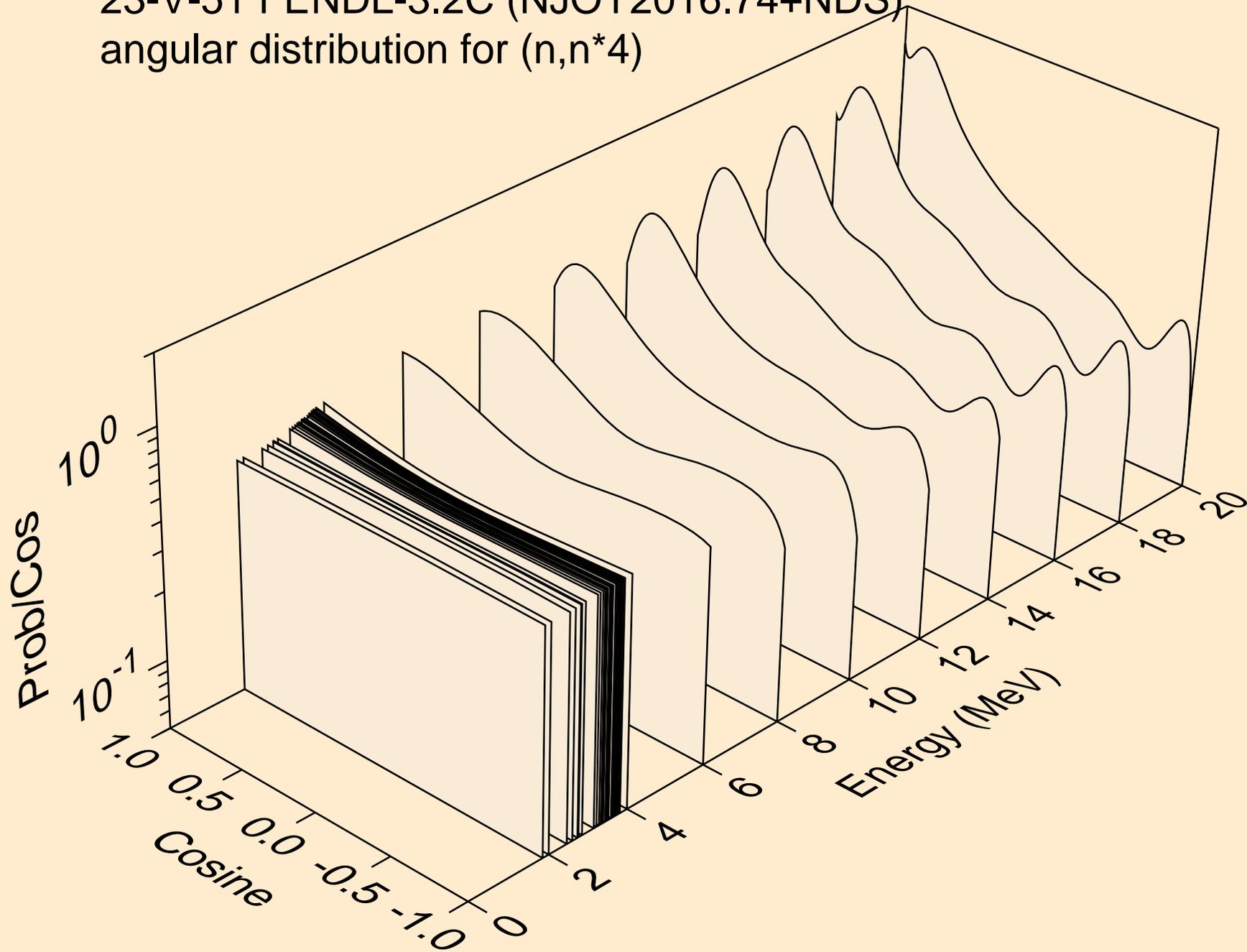
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*2)



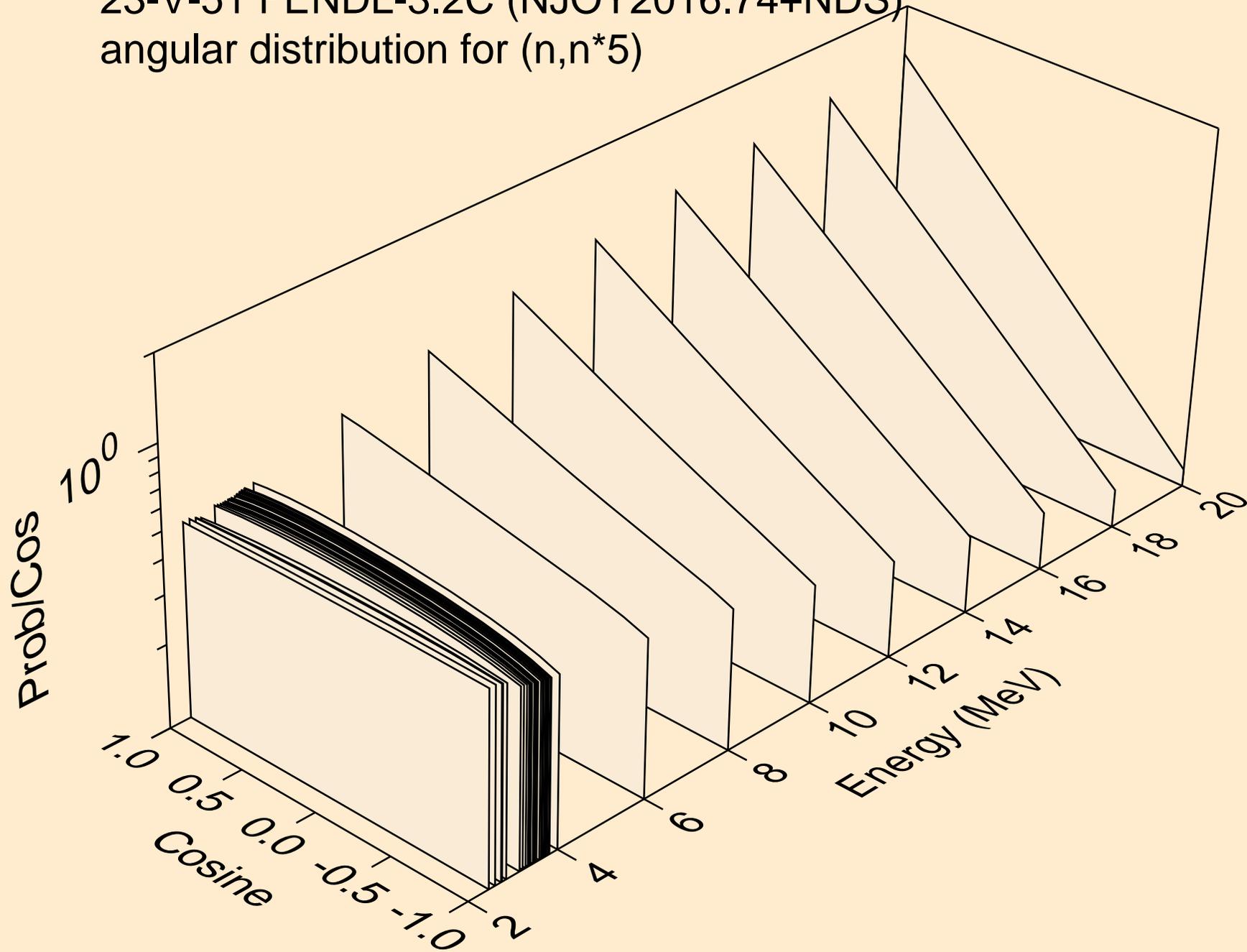
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*3)



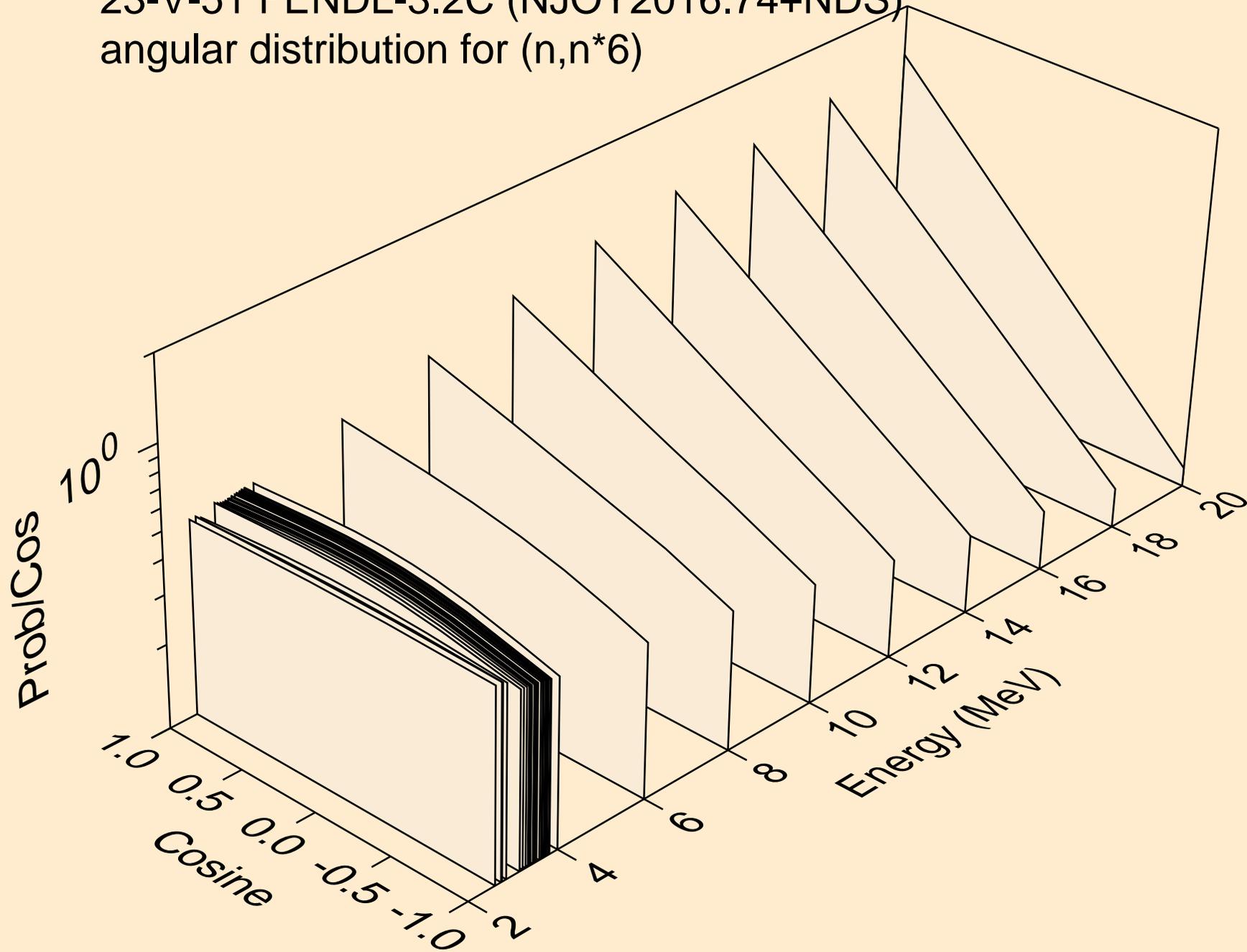
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*4)



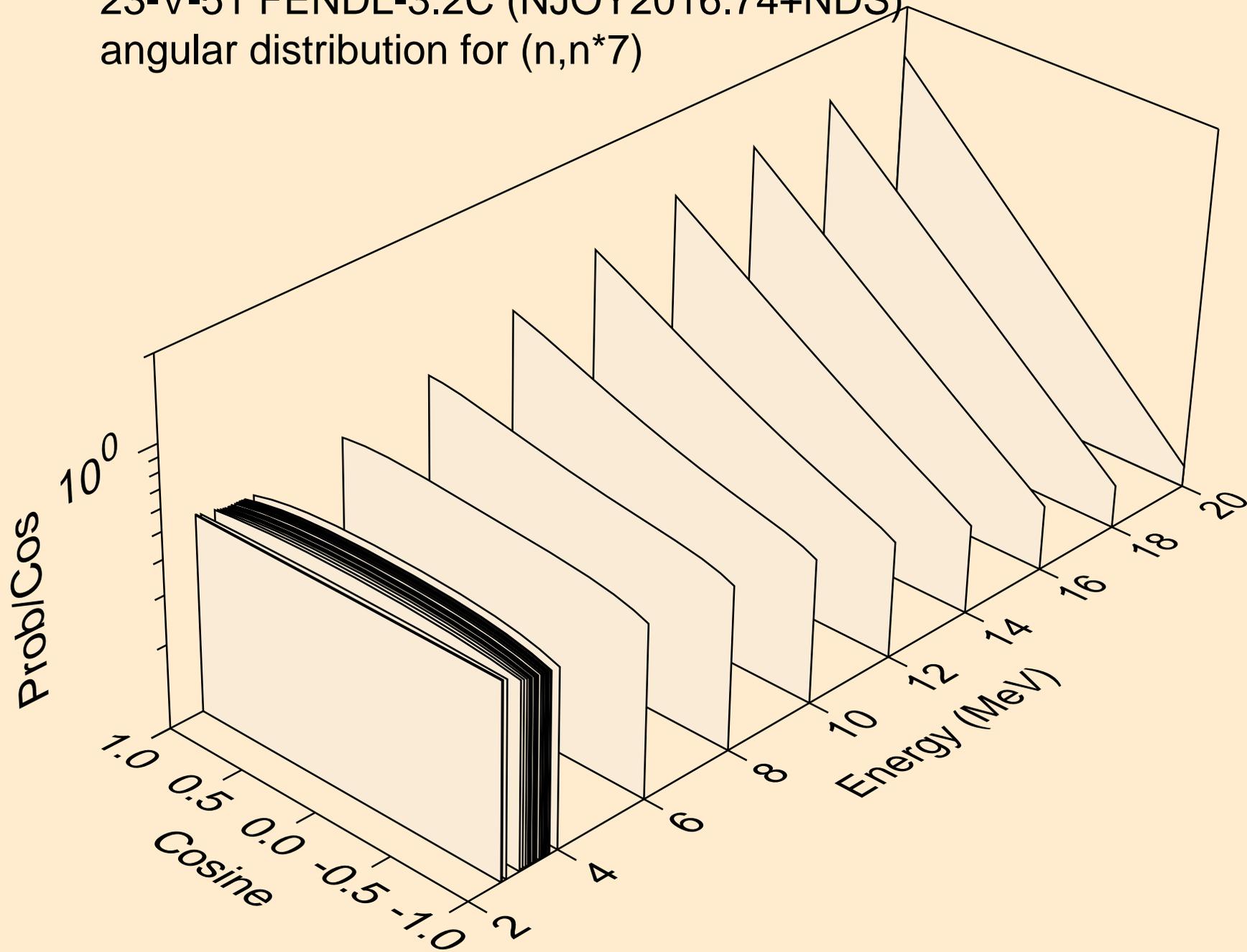
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*5)



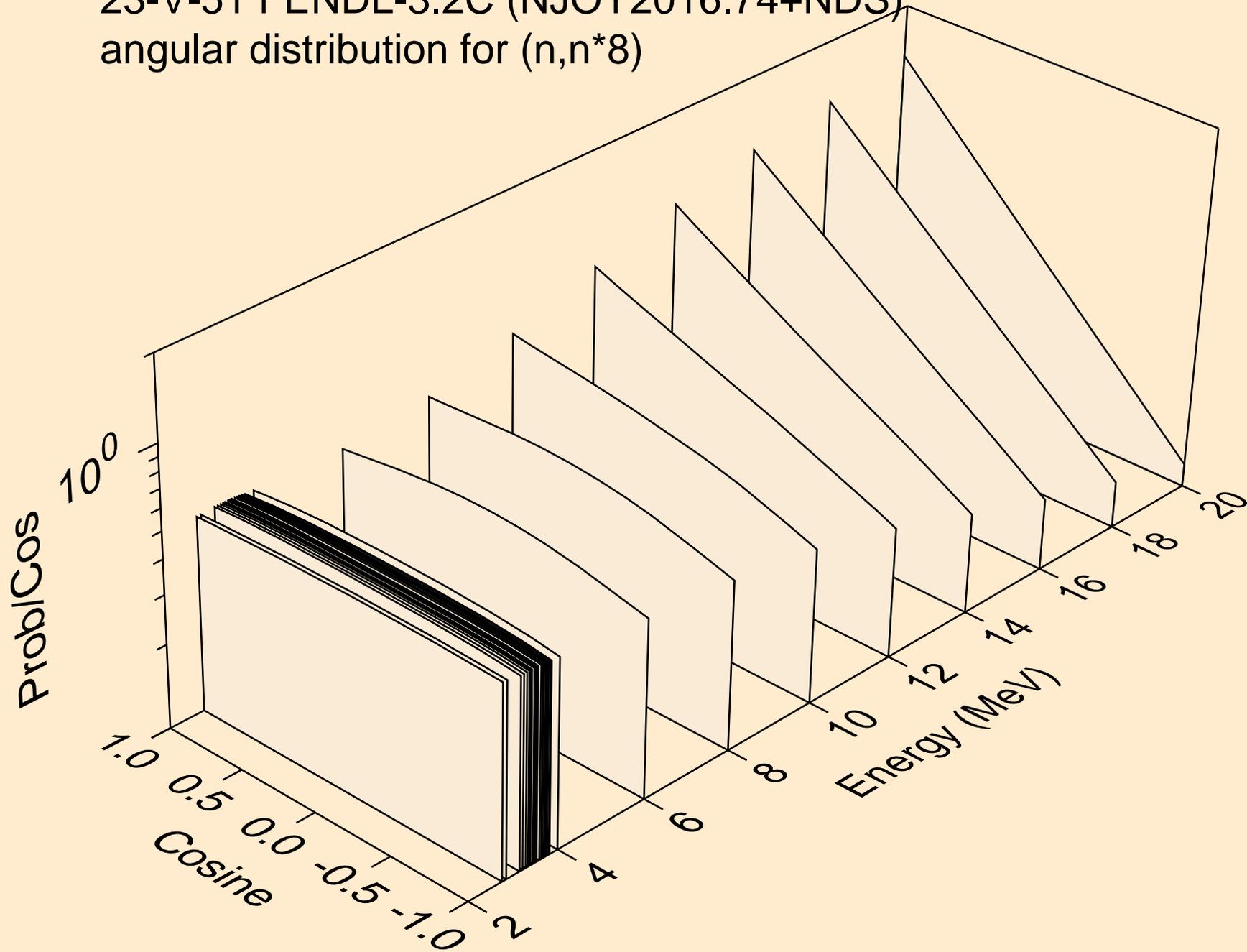
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*6)



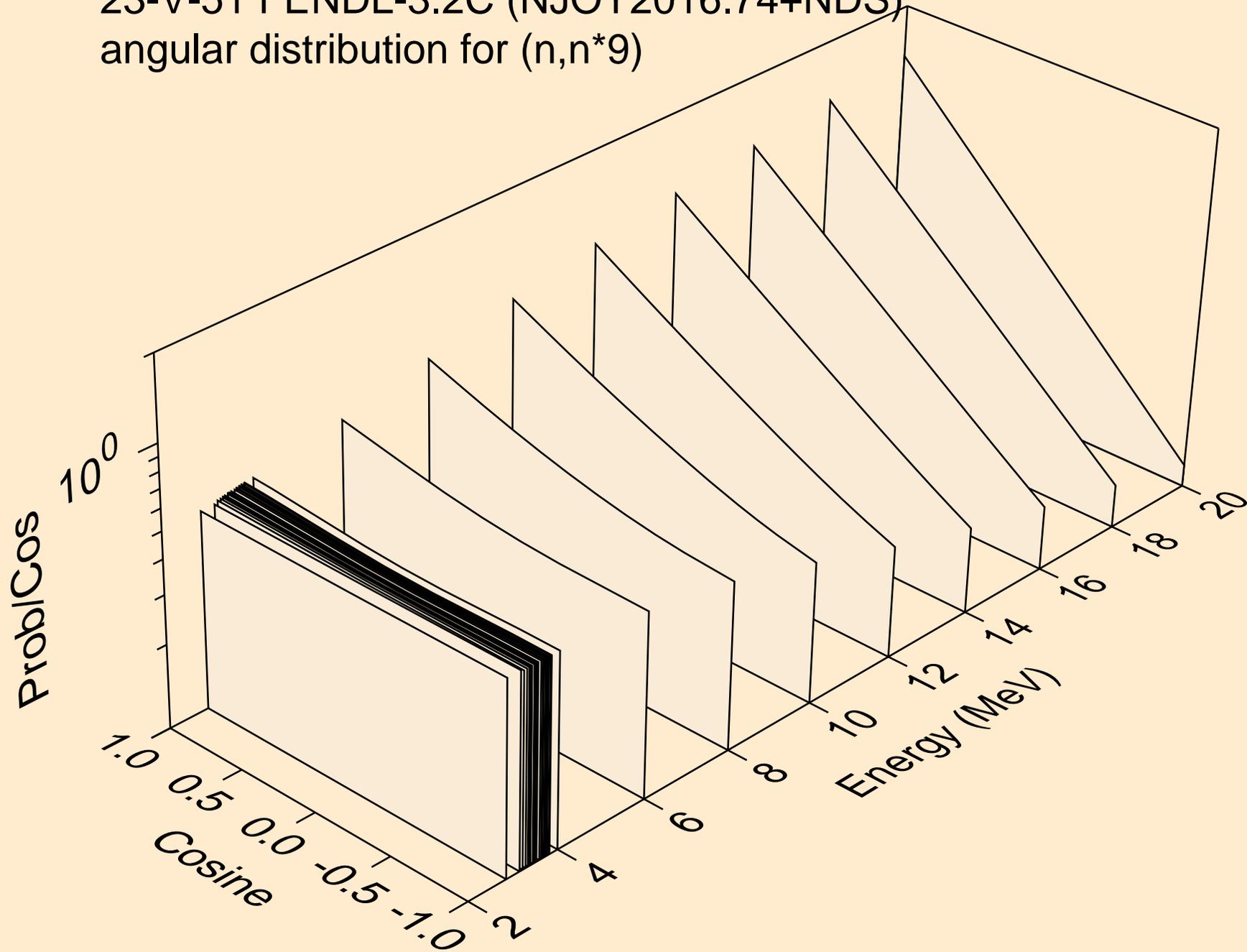
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*7)



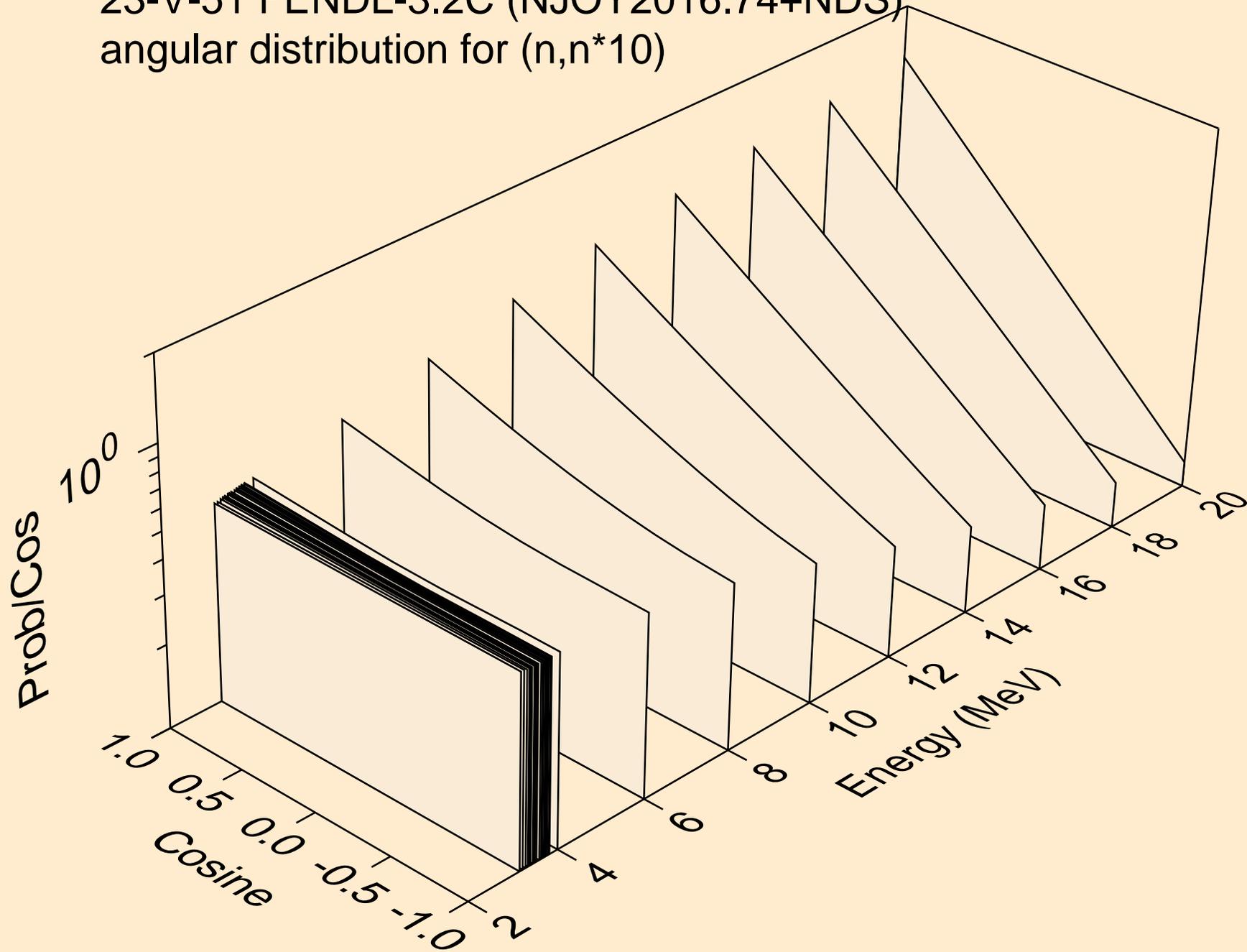
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*8)



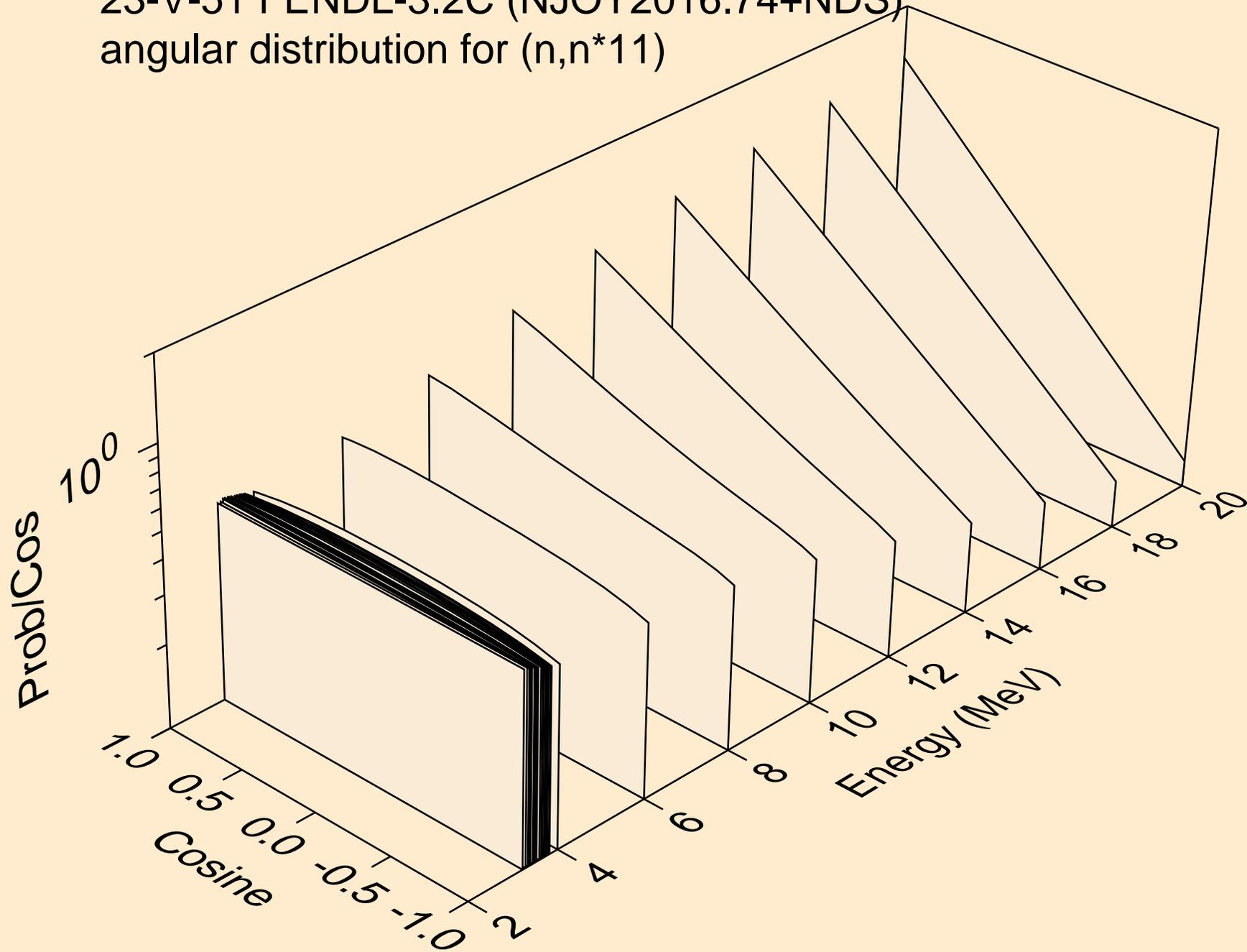
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*9)



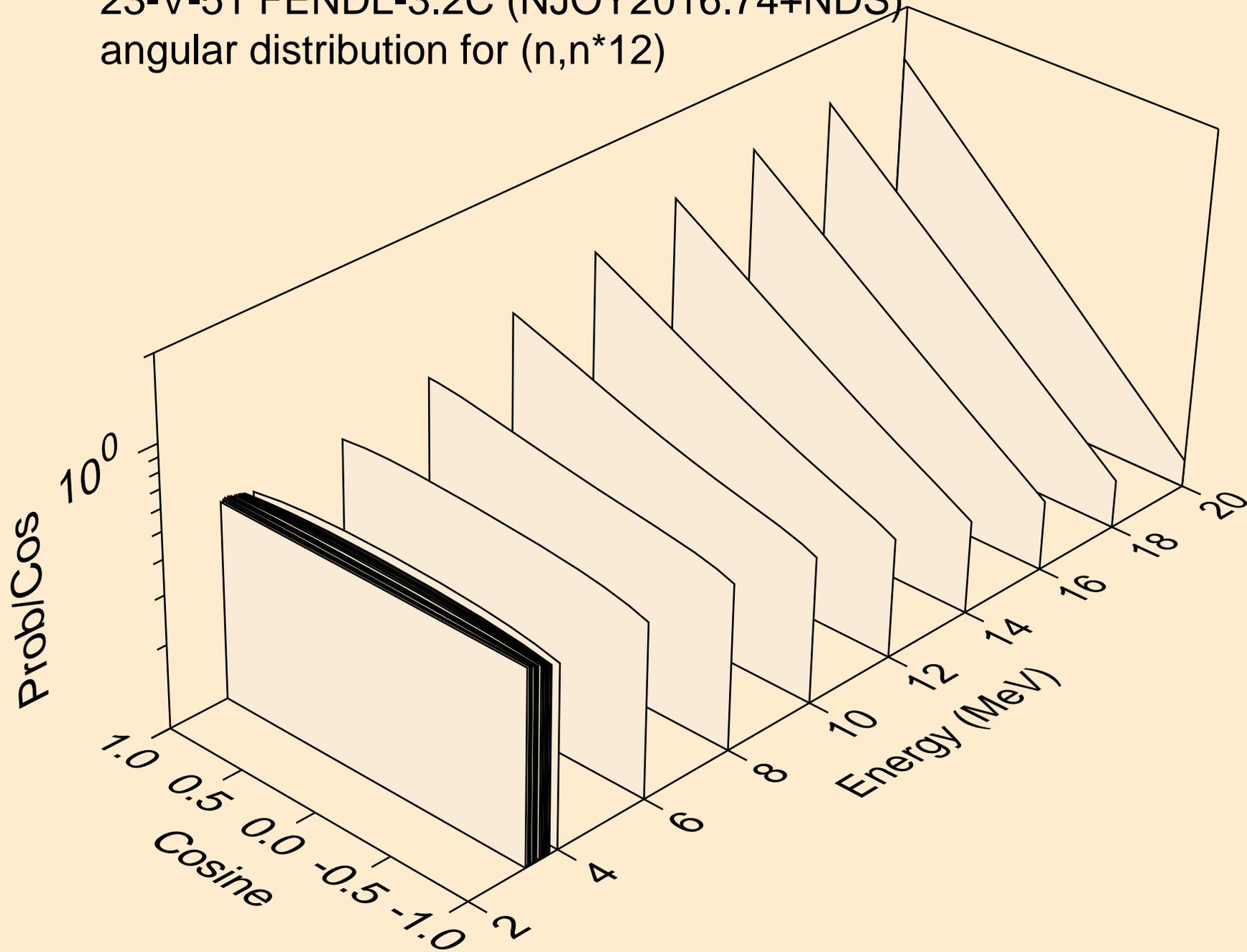
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*10)



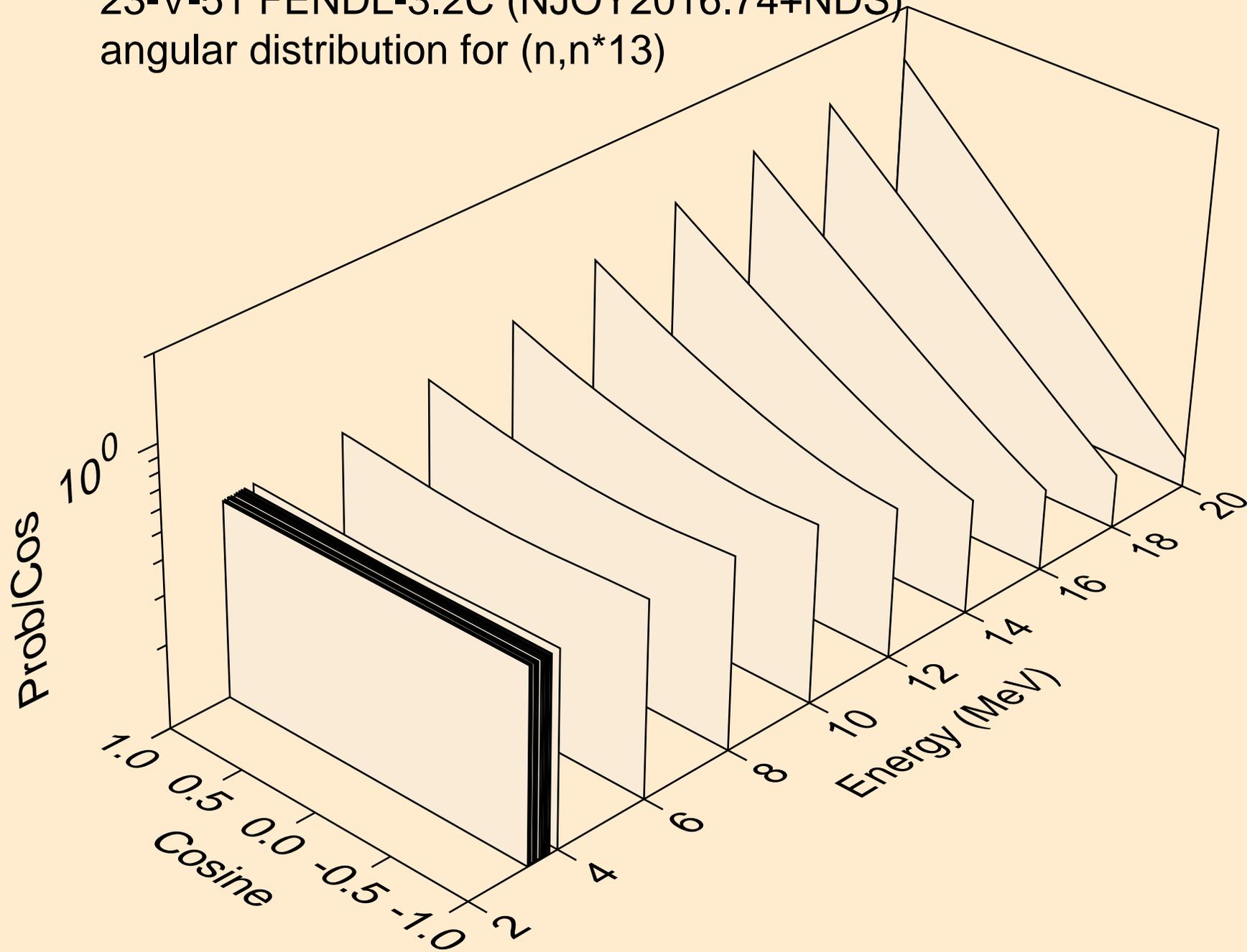
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*11)



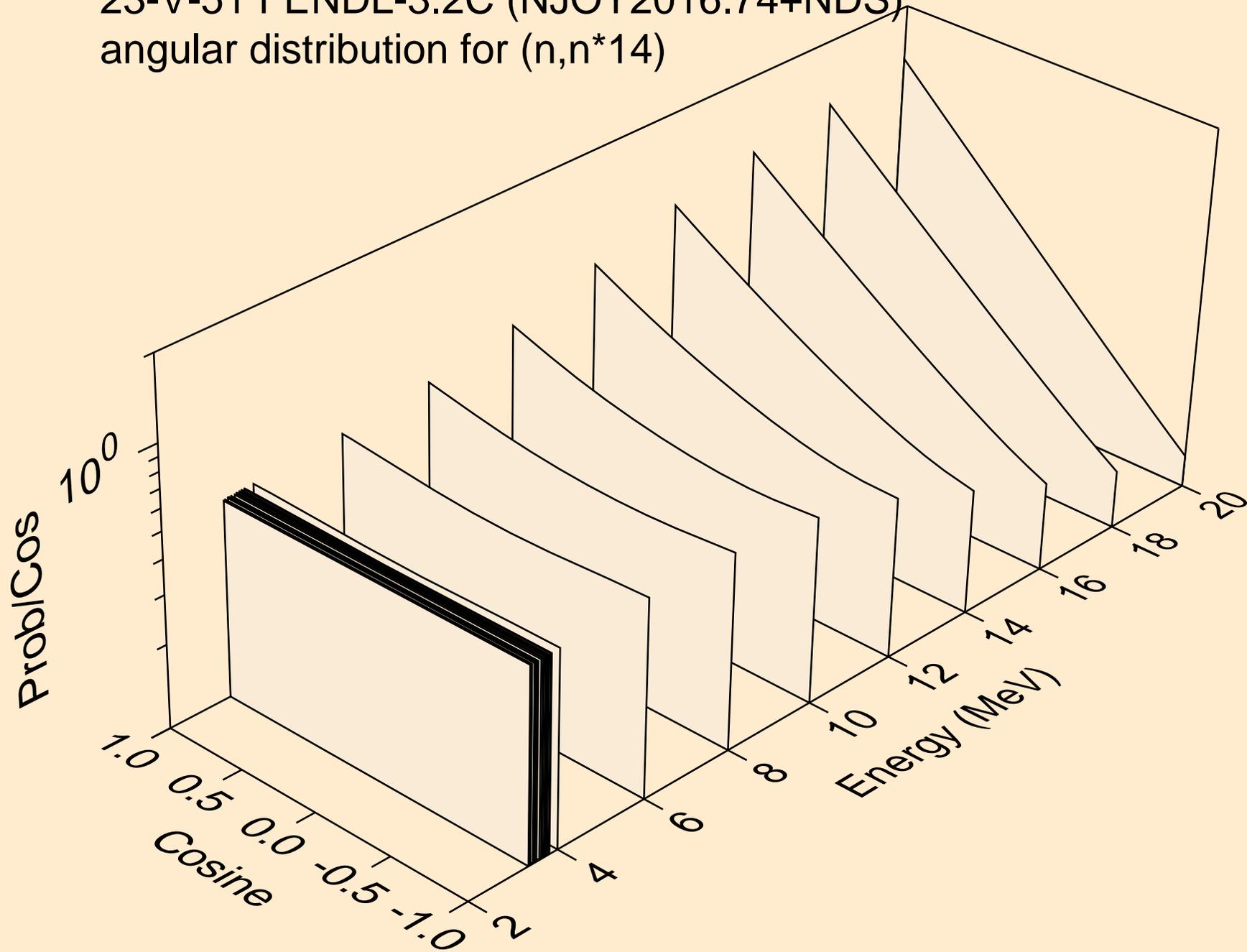
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*12)



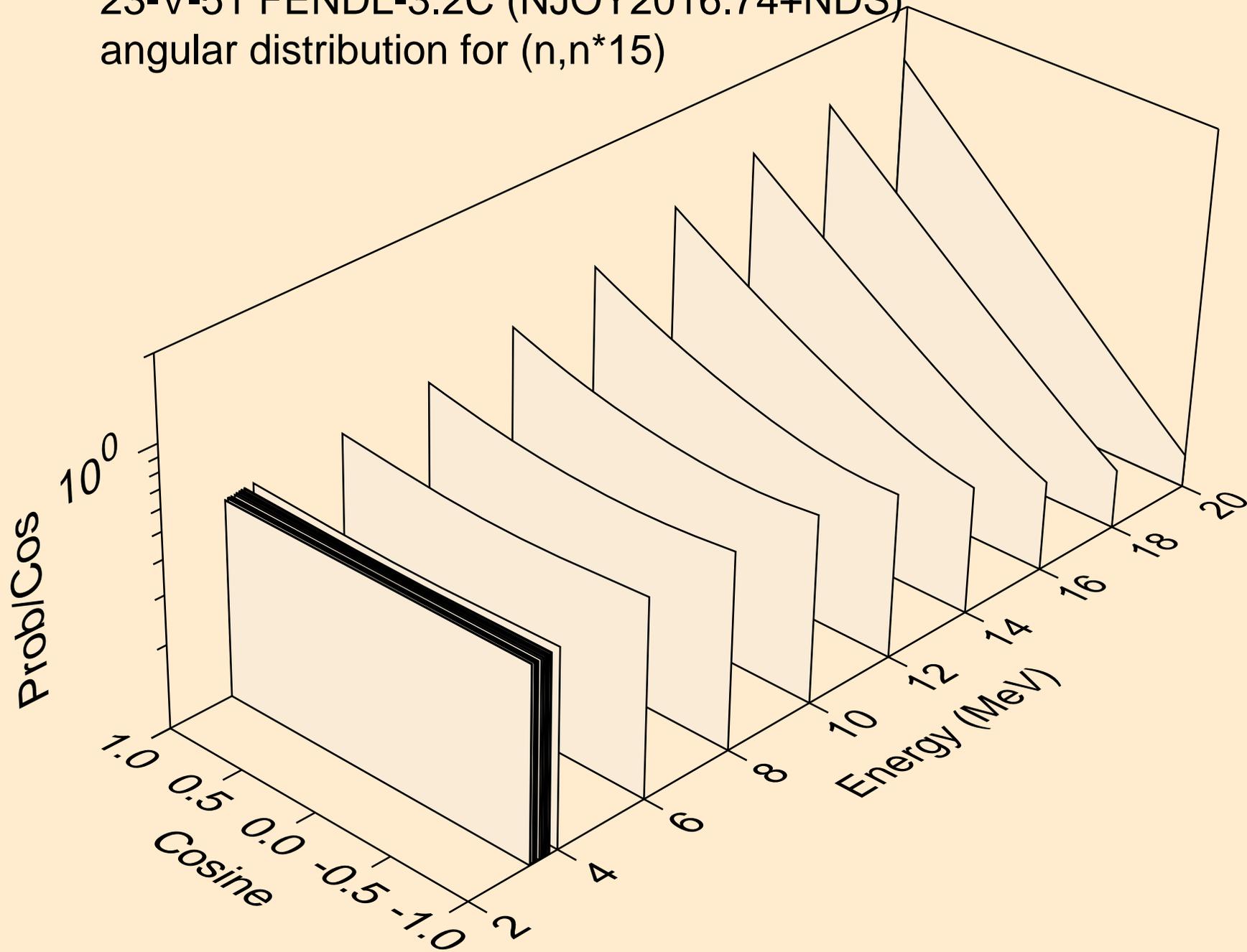
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*13)



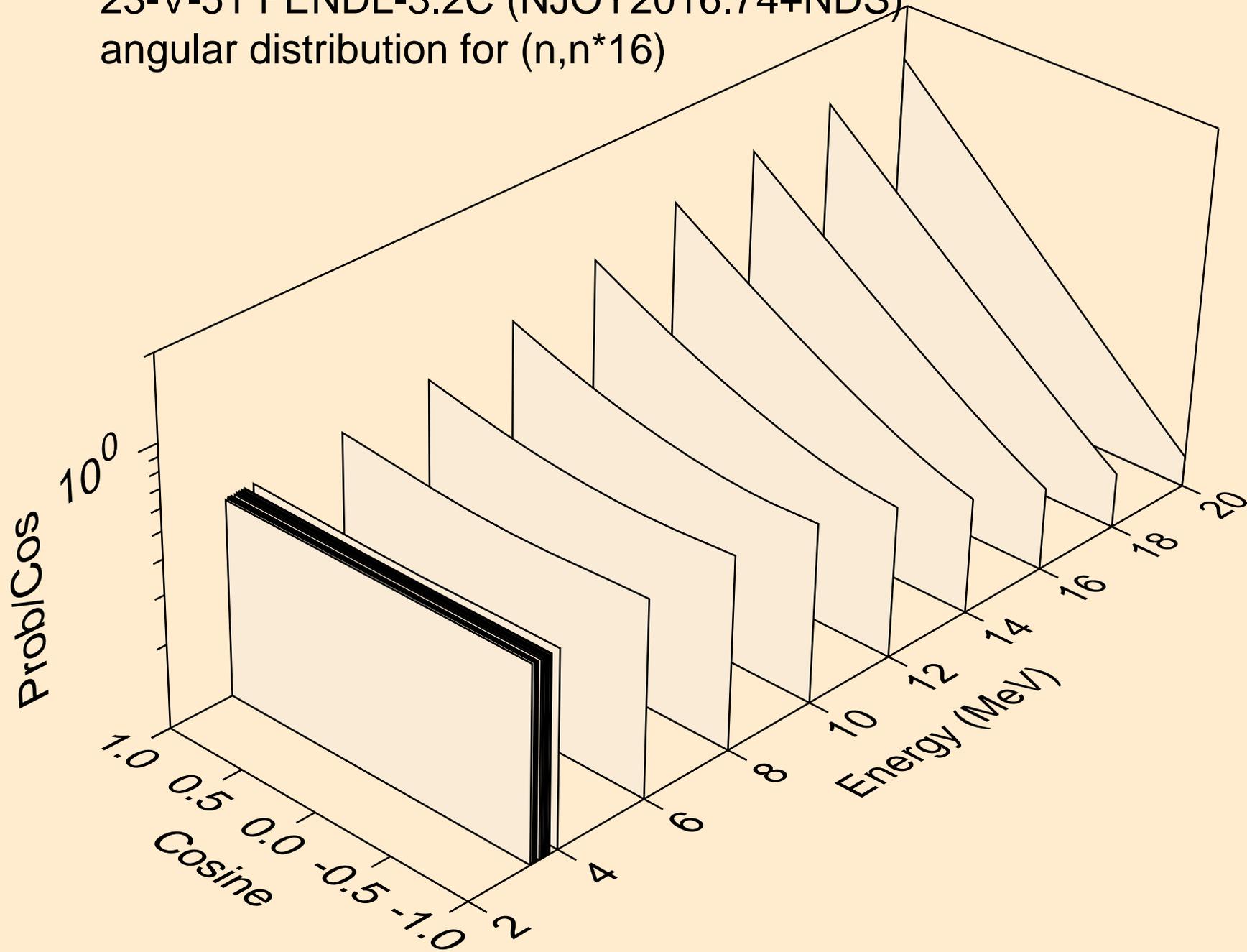
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*14)



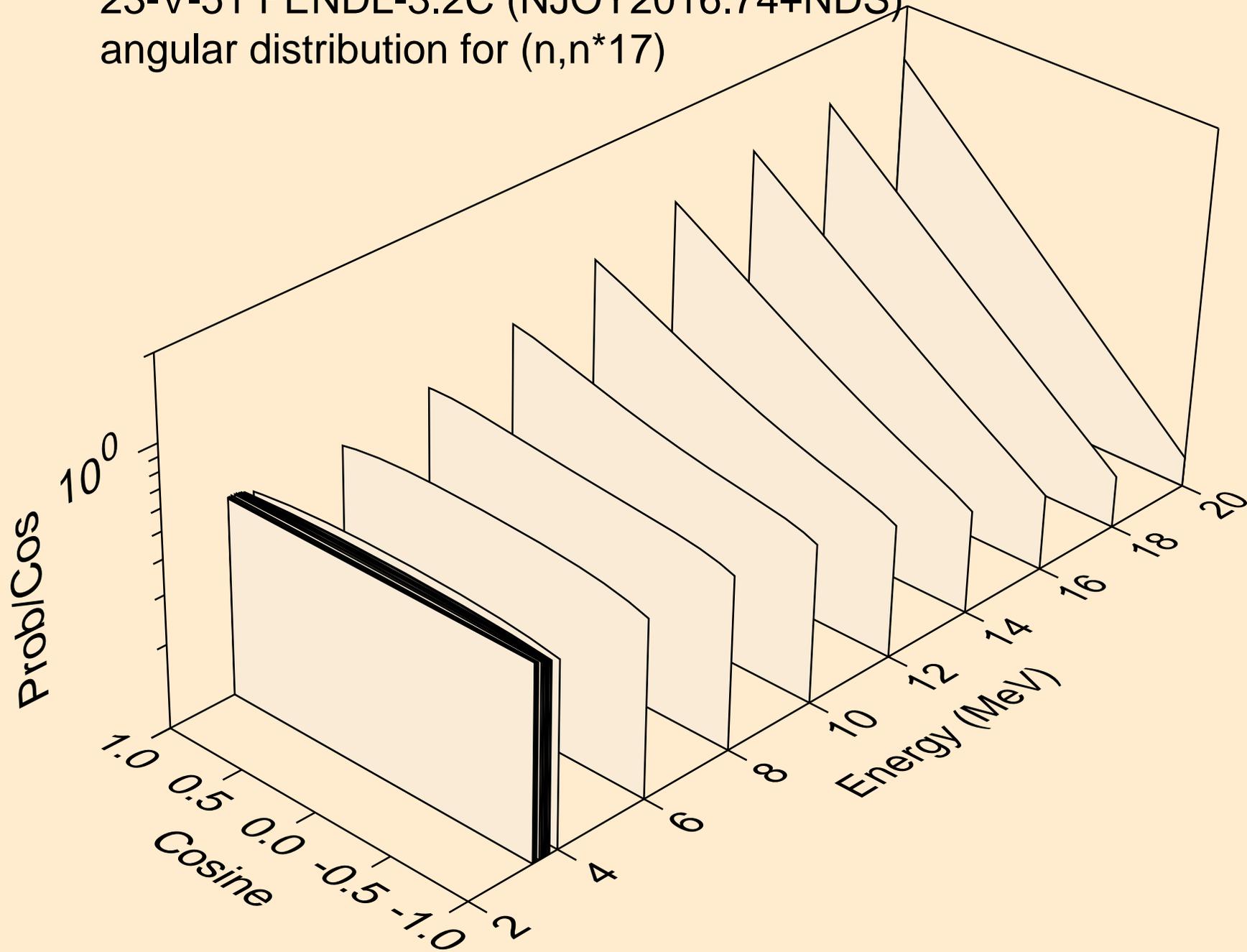
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*15)



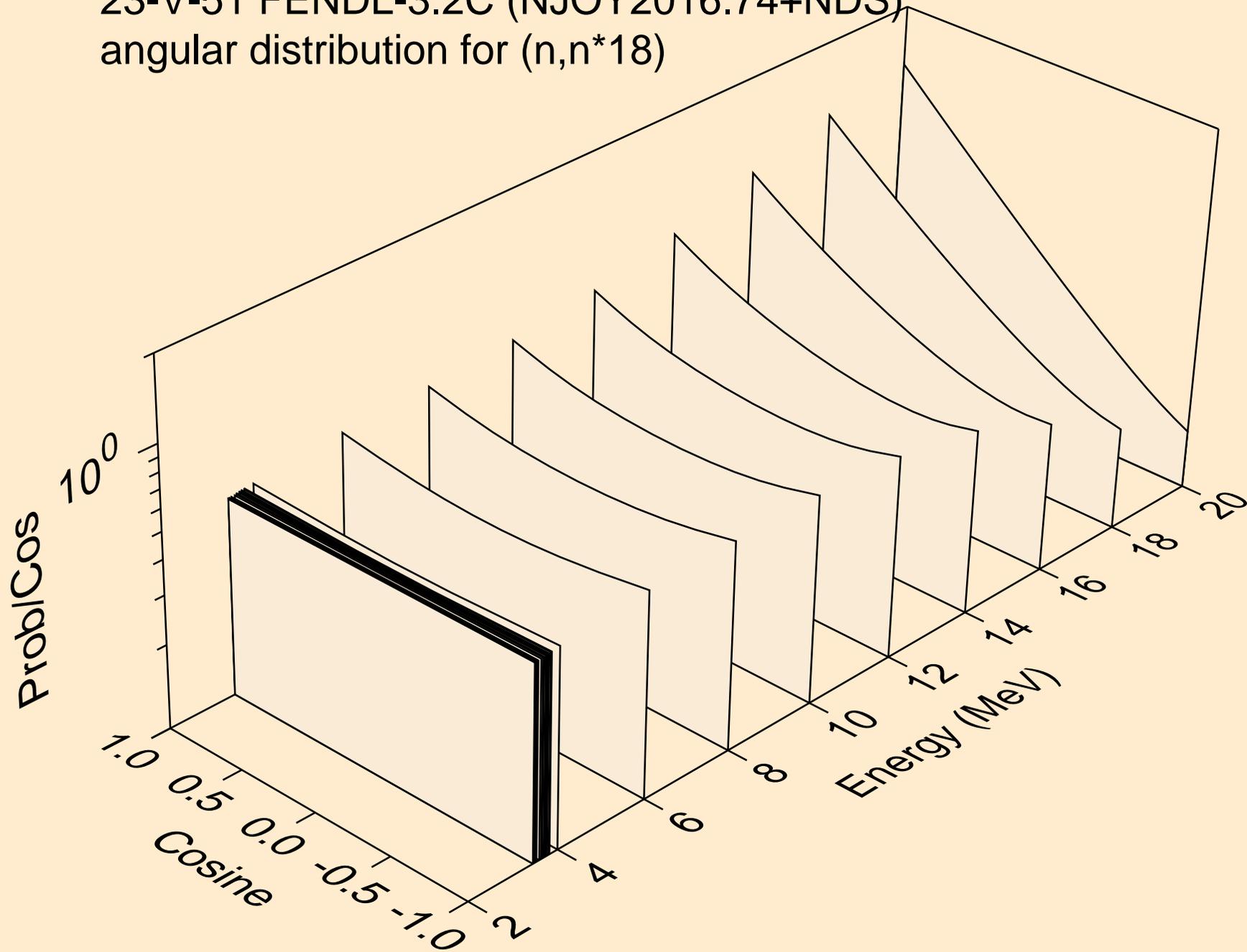
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*16)



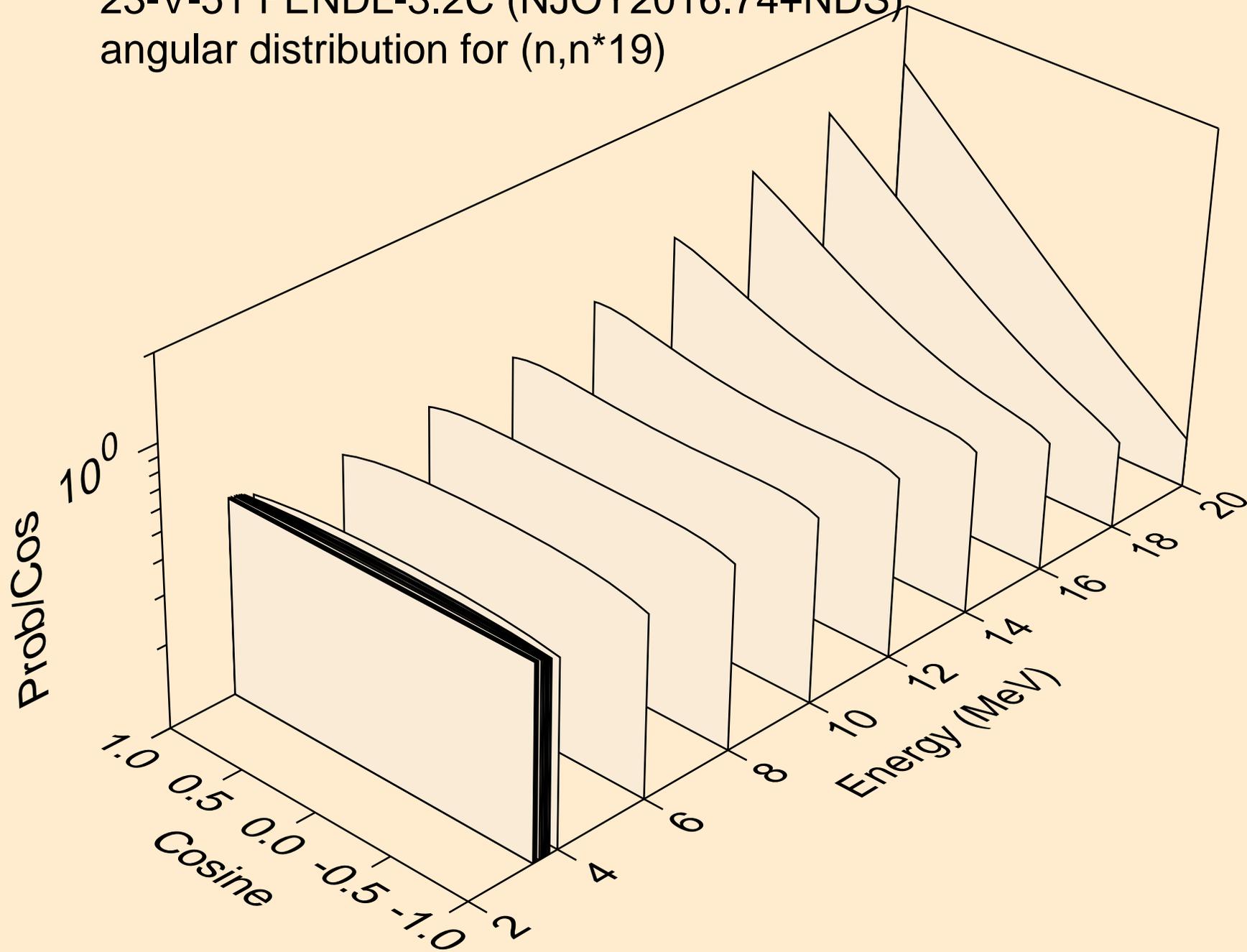
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*17)



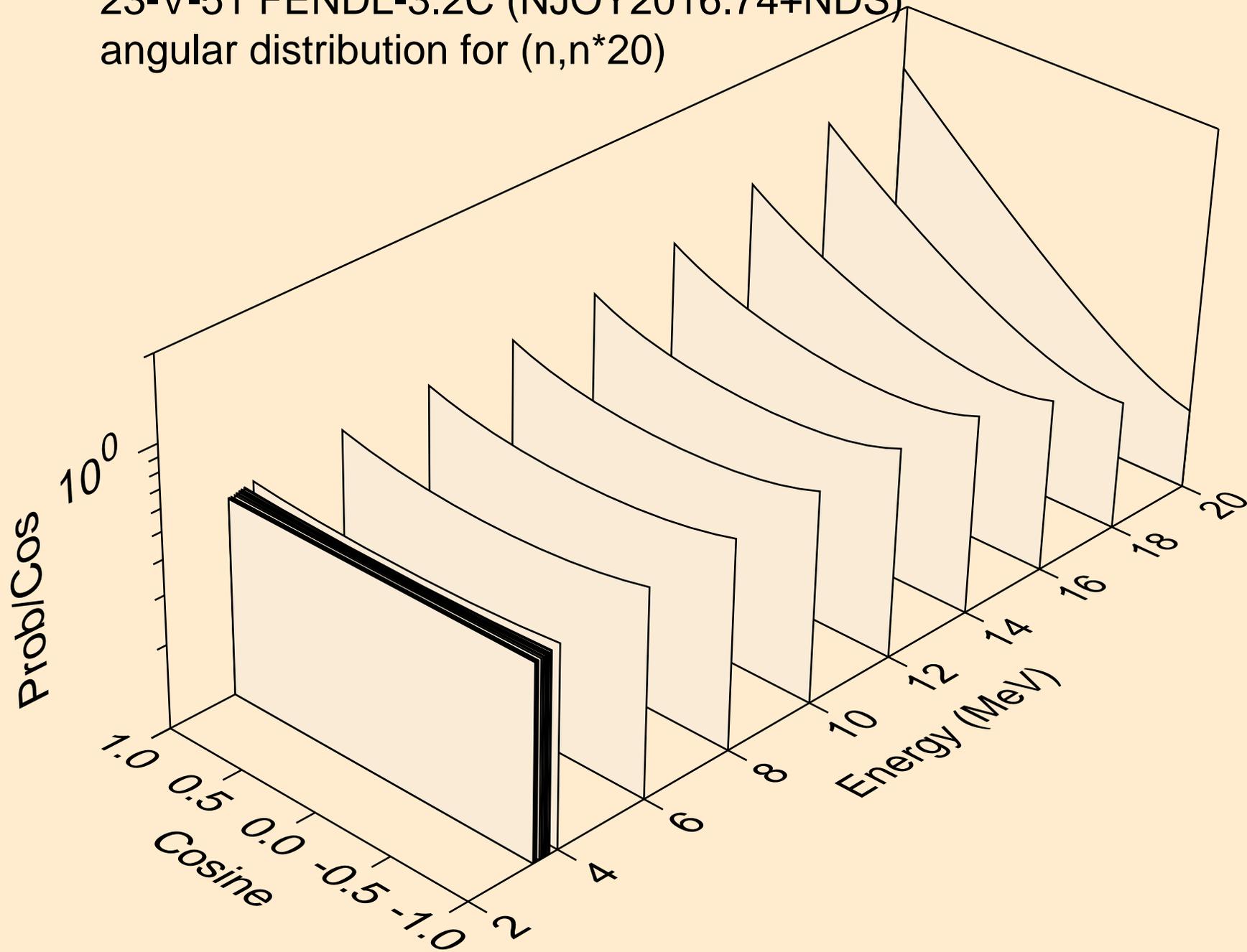
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angular distribution for (n,n\*18)



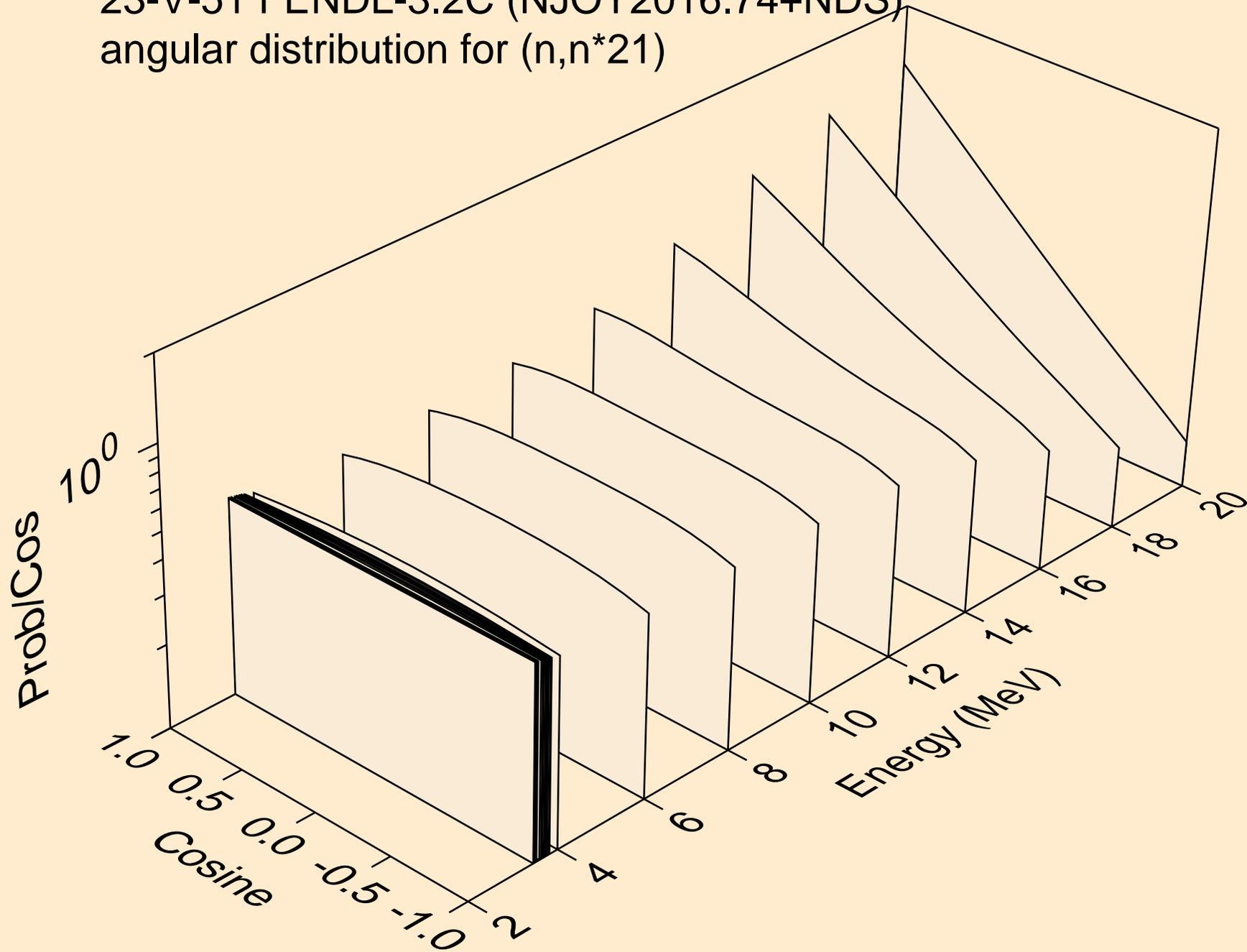
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*19)



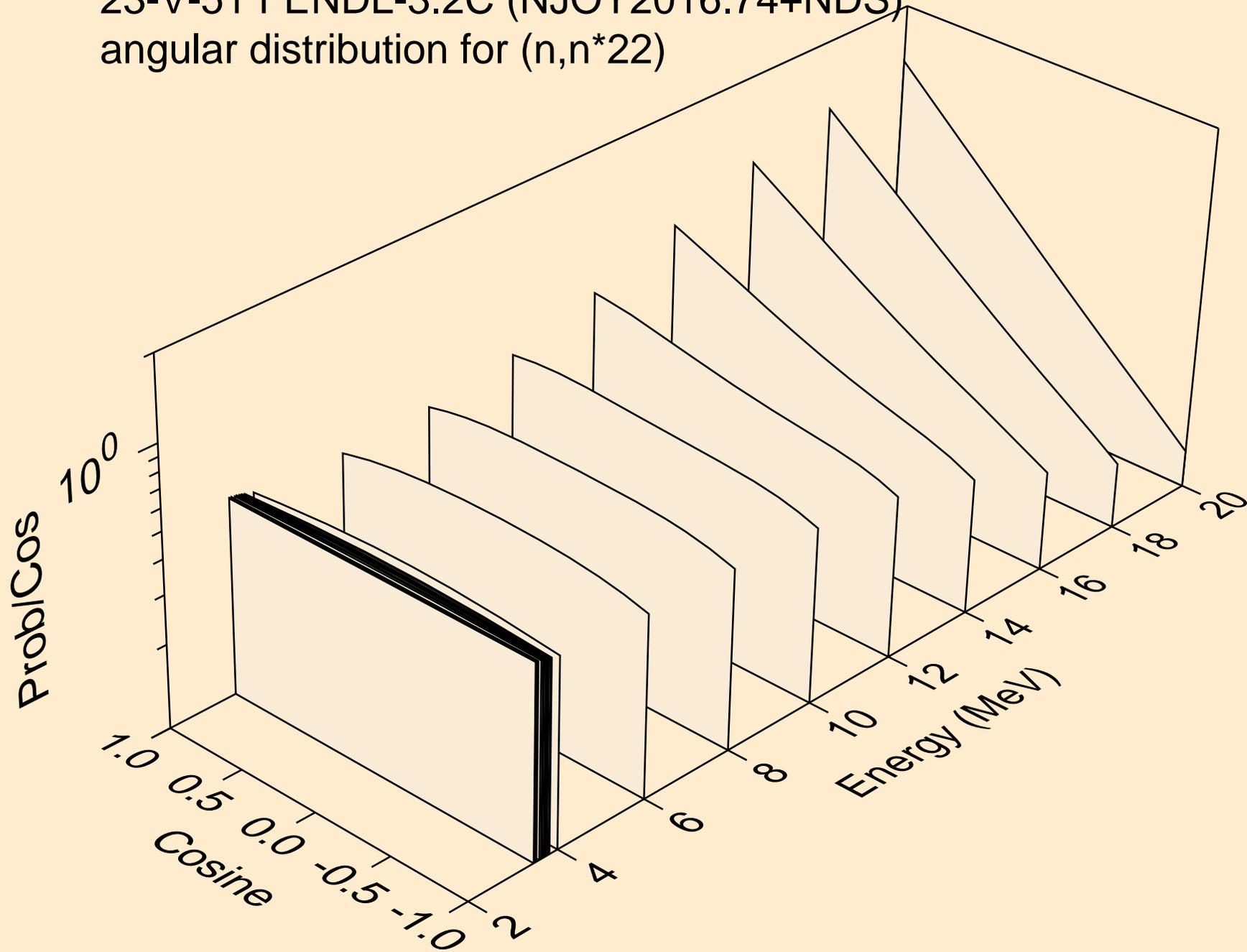
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*20)



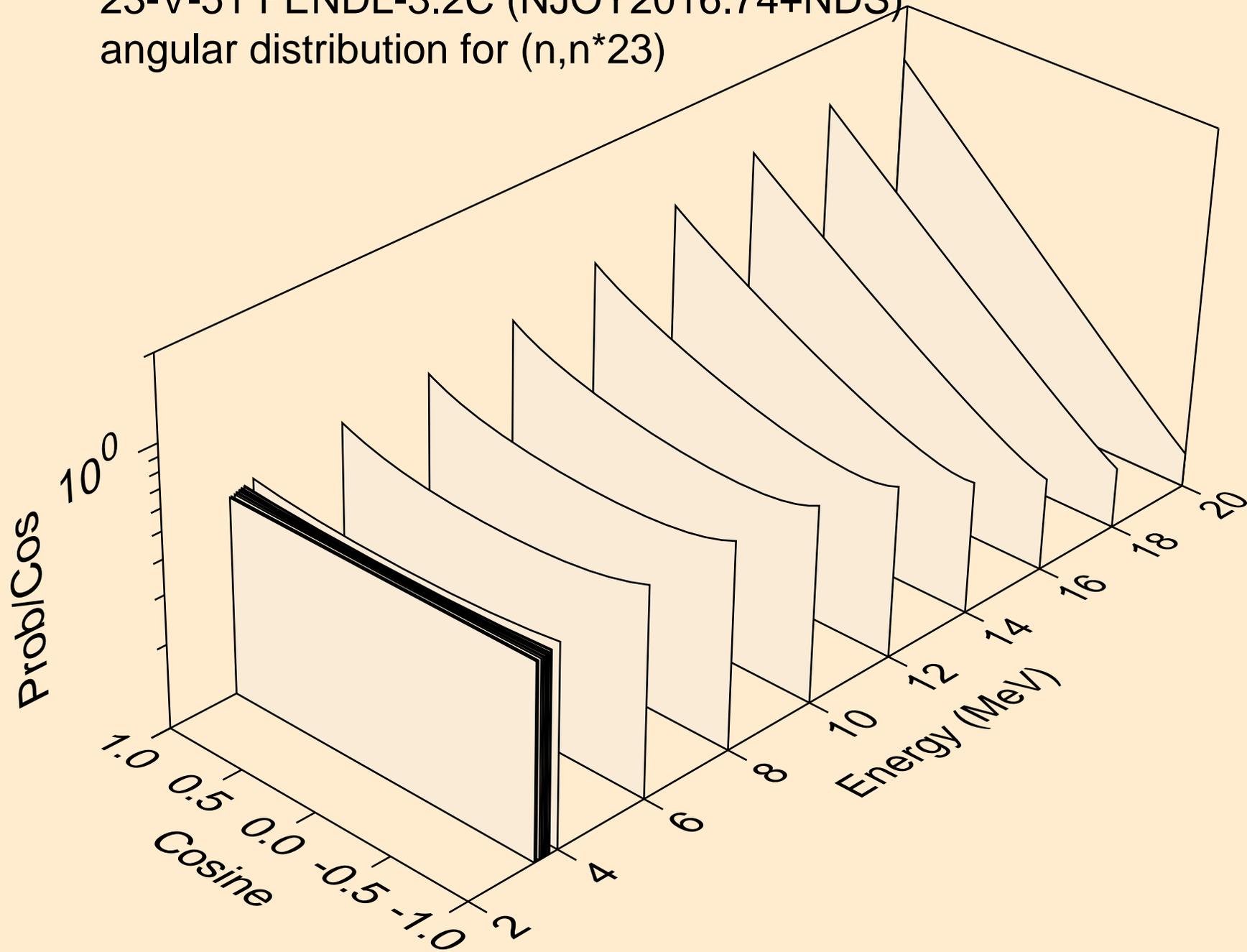
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*21)



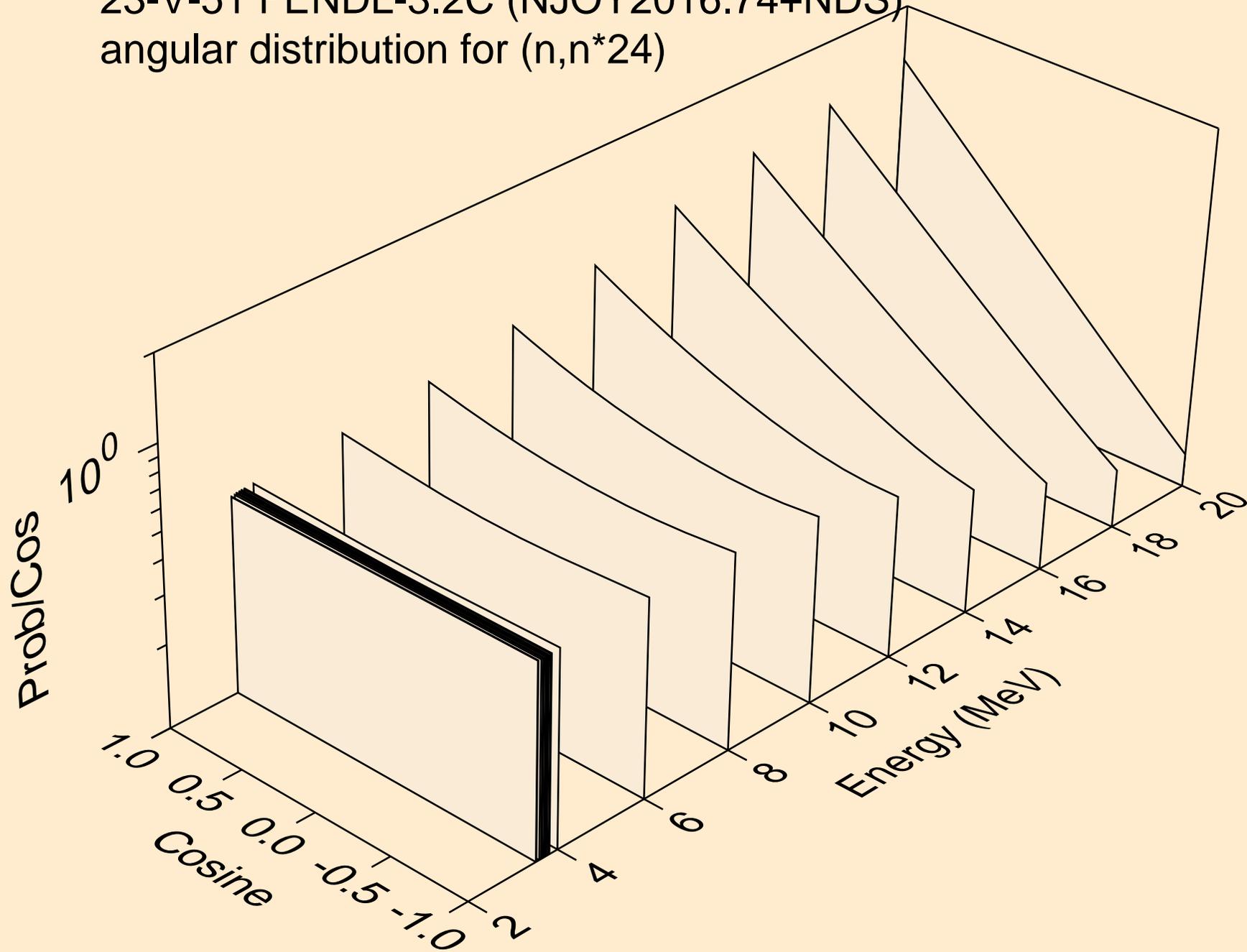
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*22)



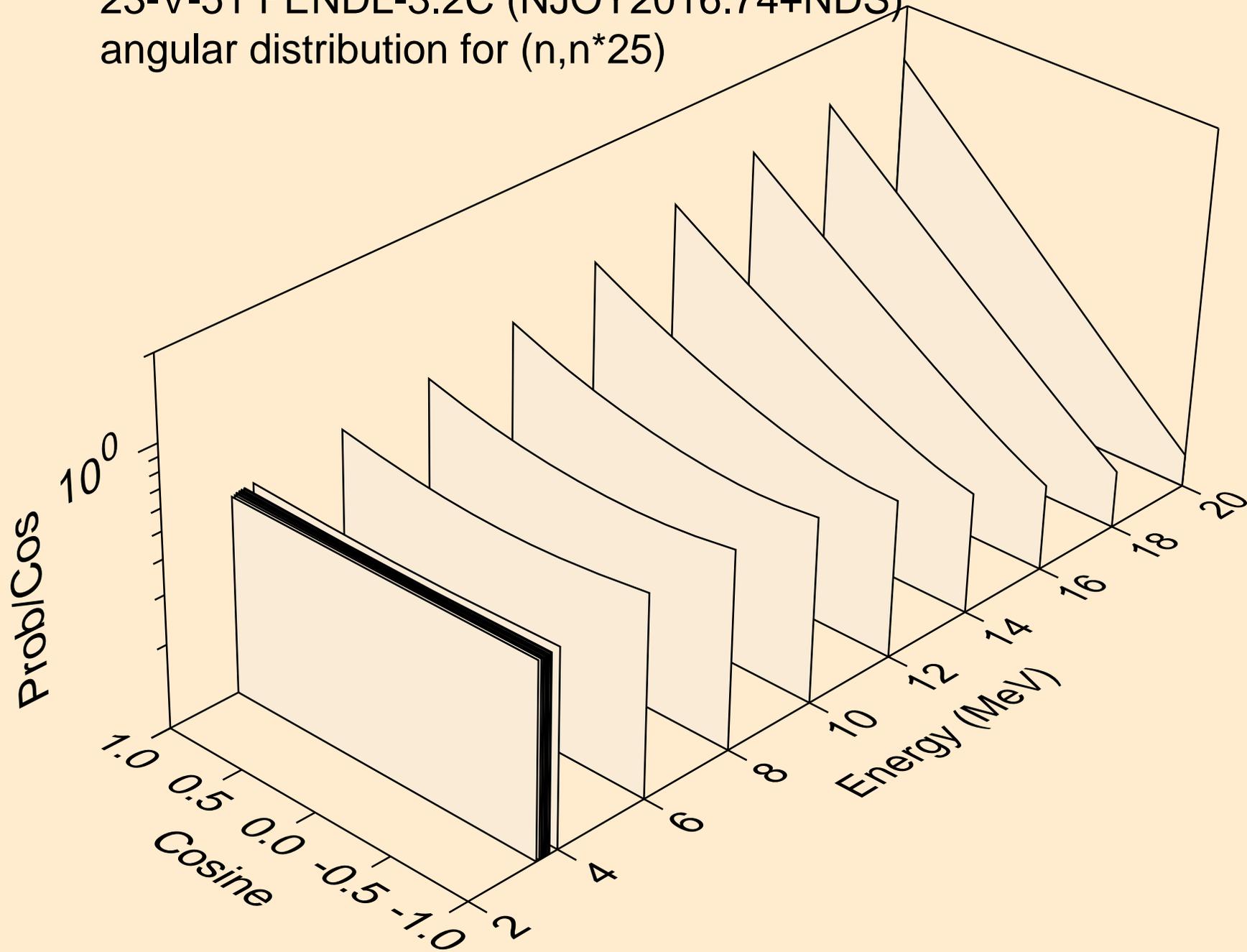
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*23)



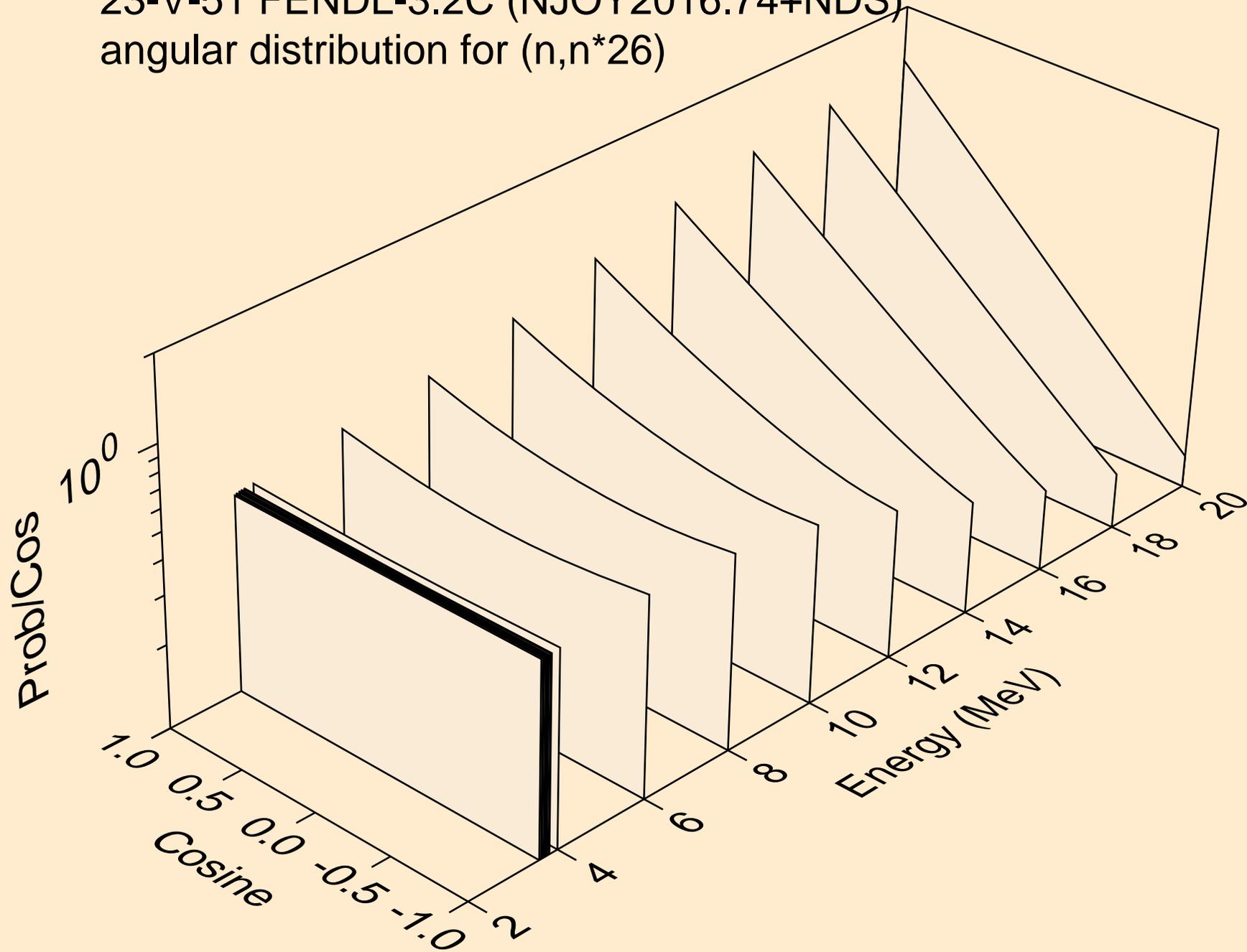
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*24)



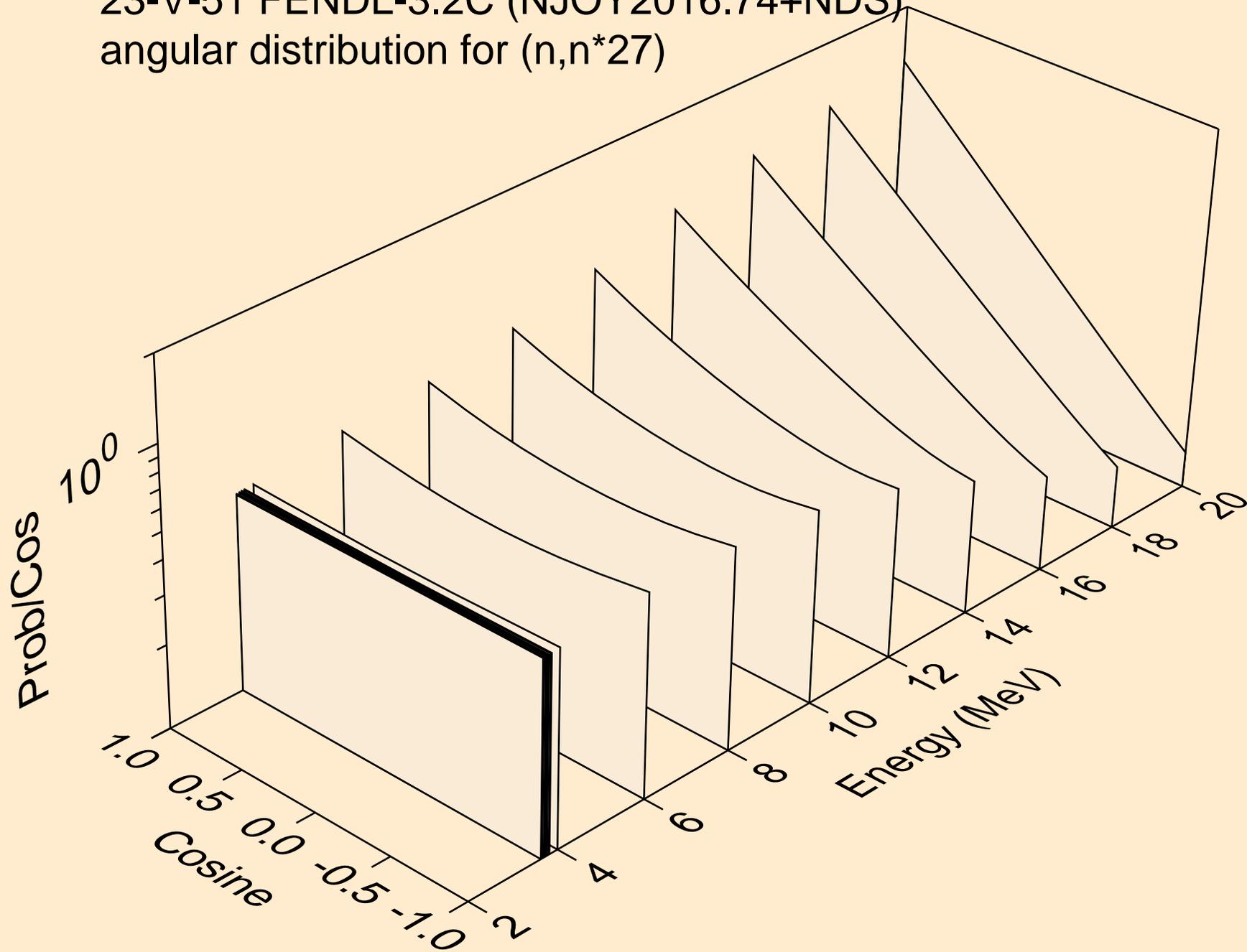
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*25)



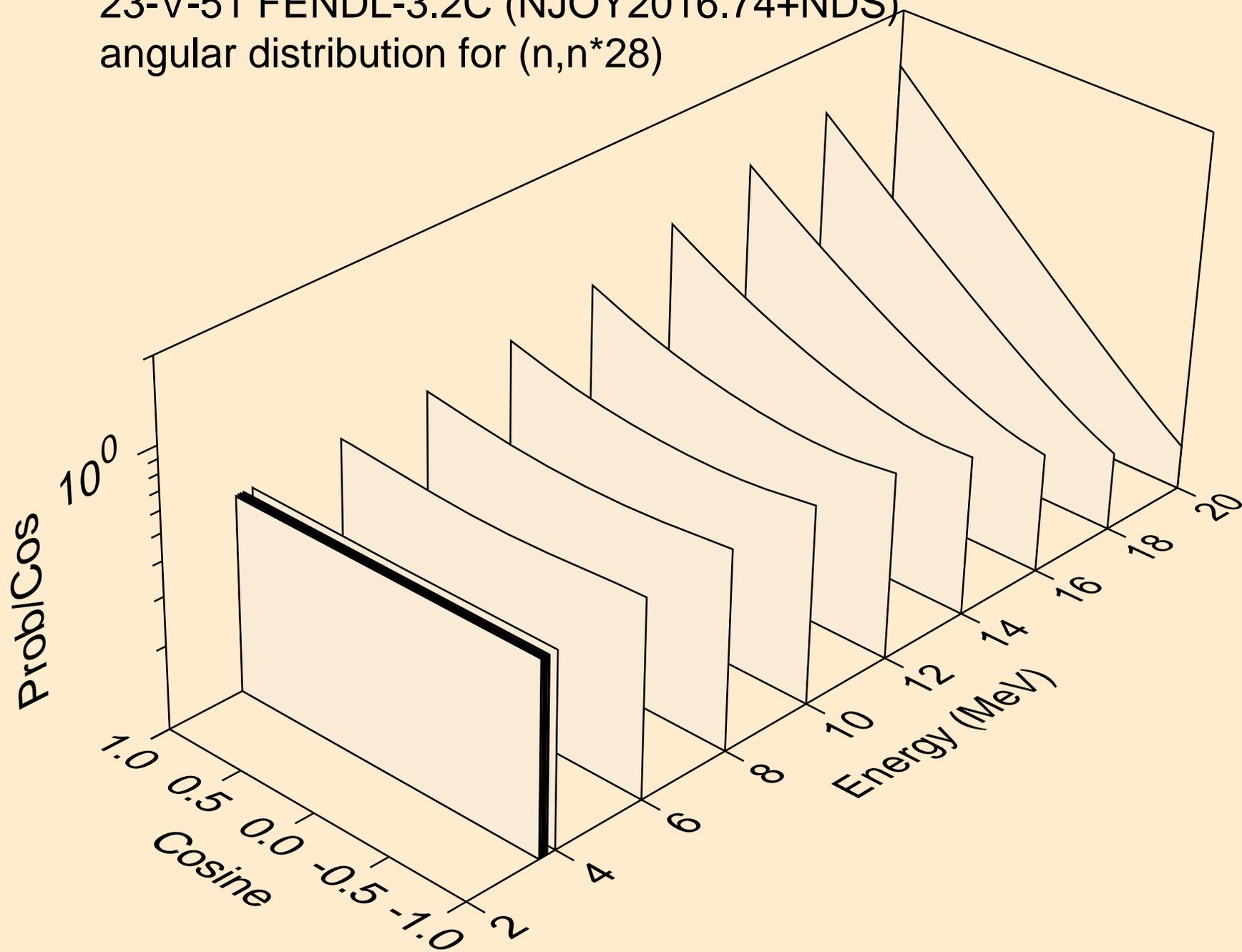
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*26)



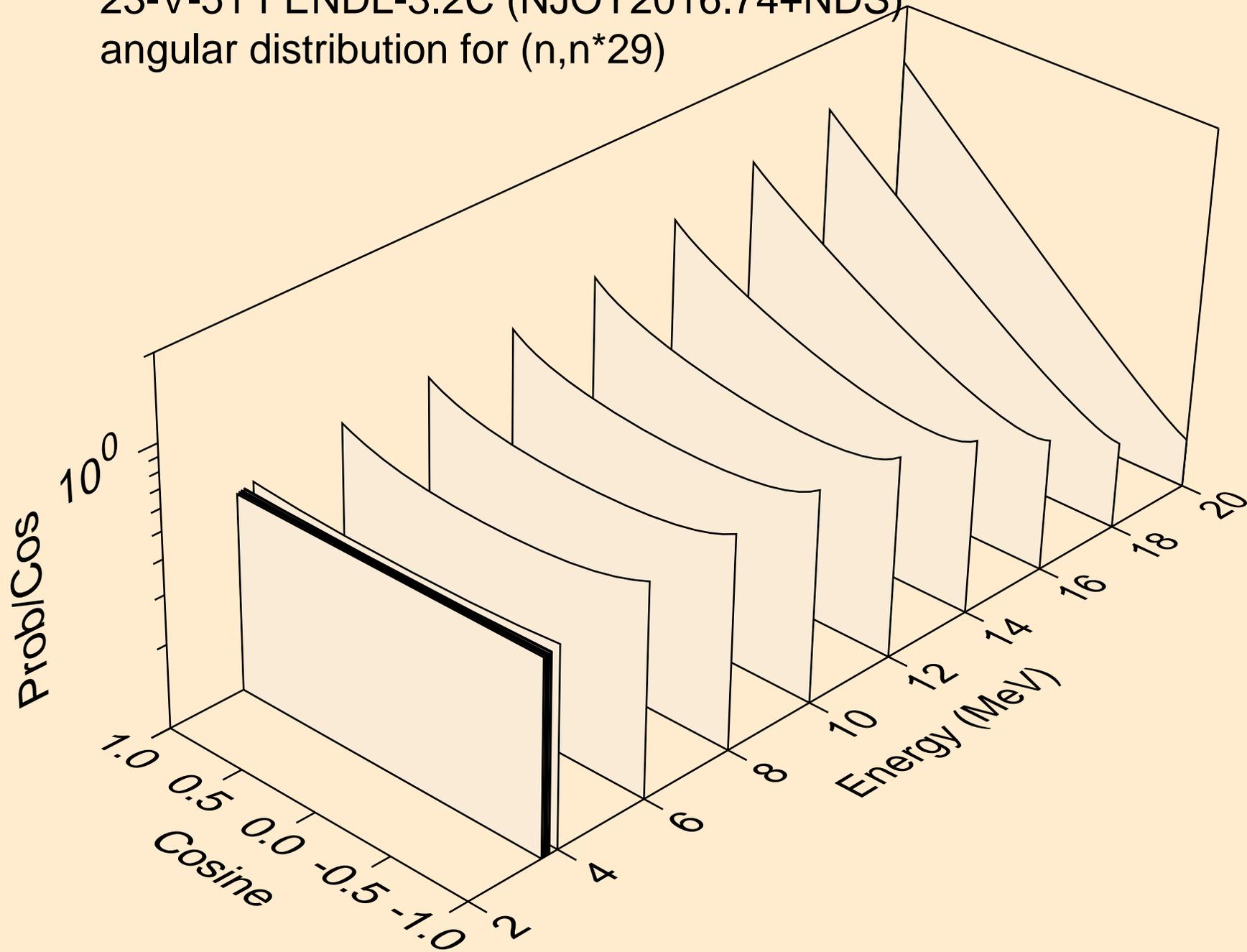
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*27)



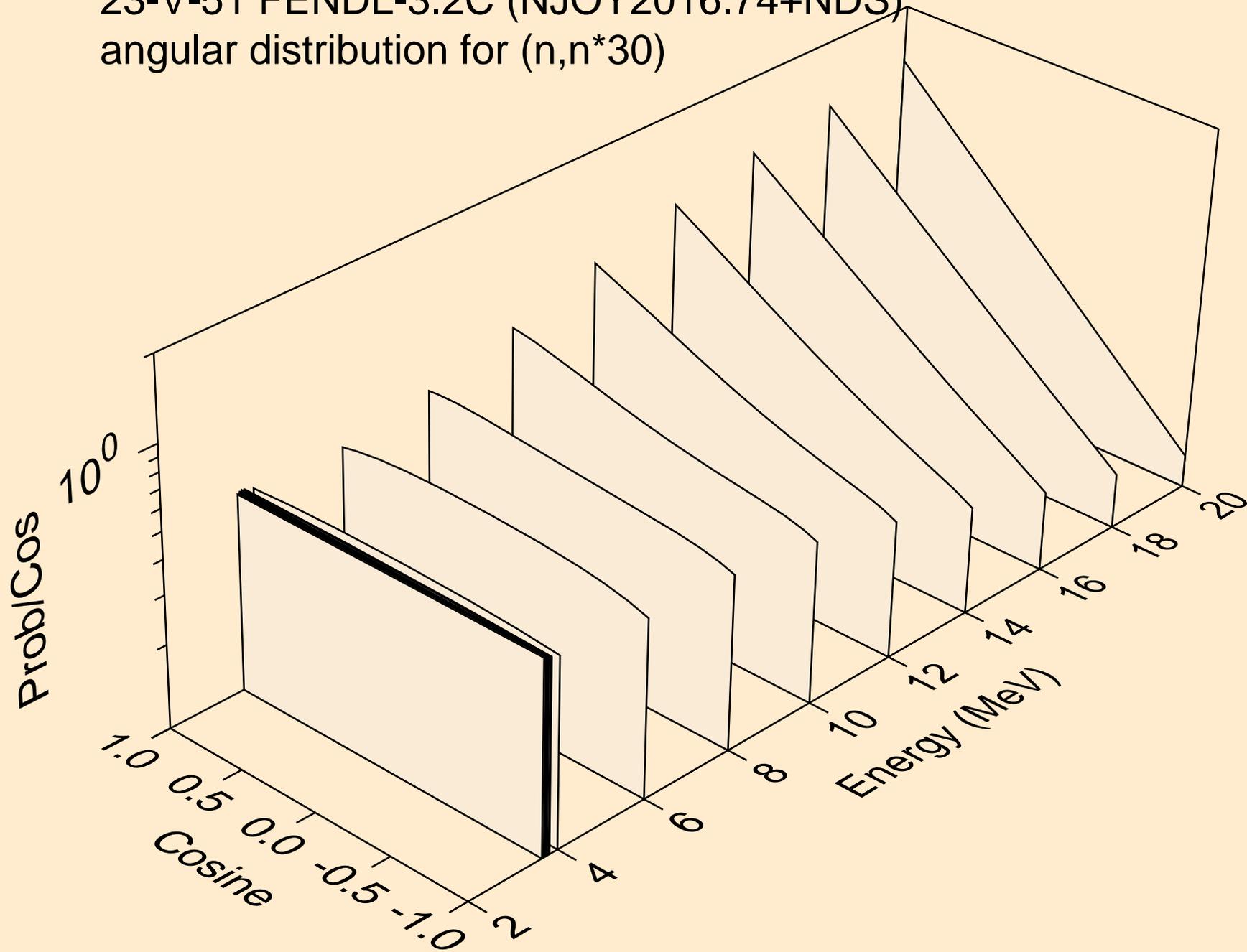
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*28)



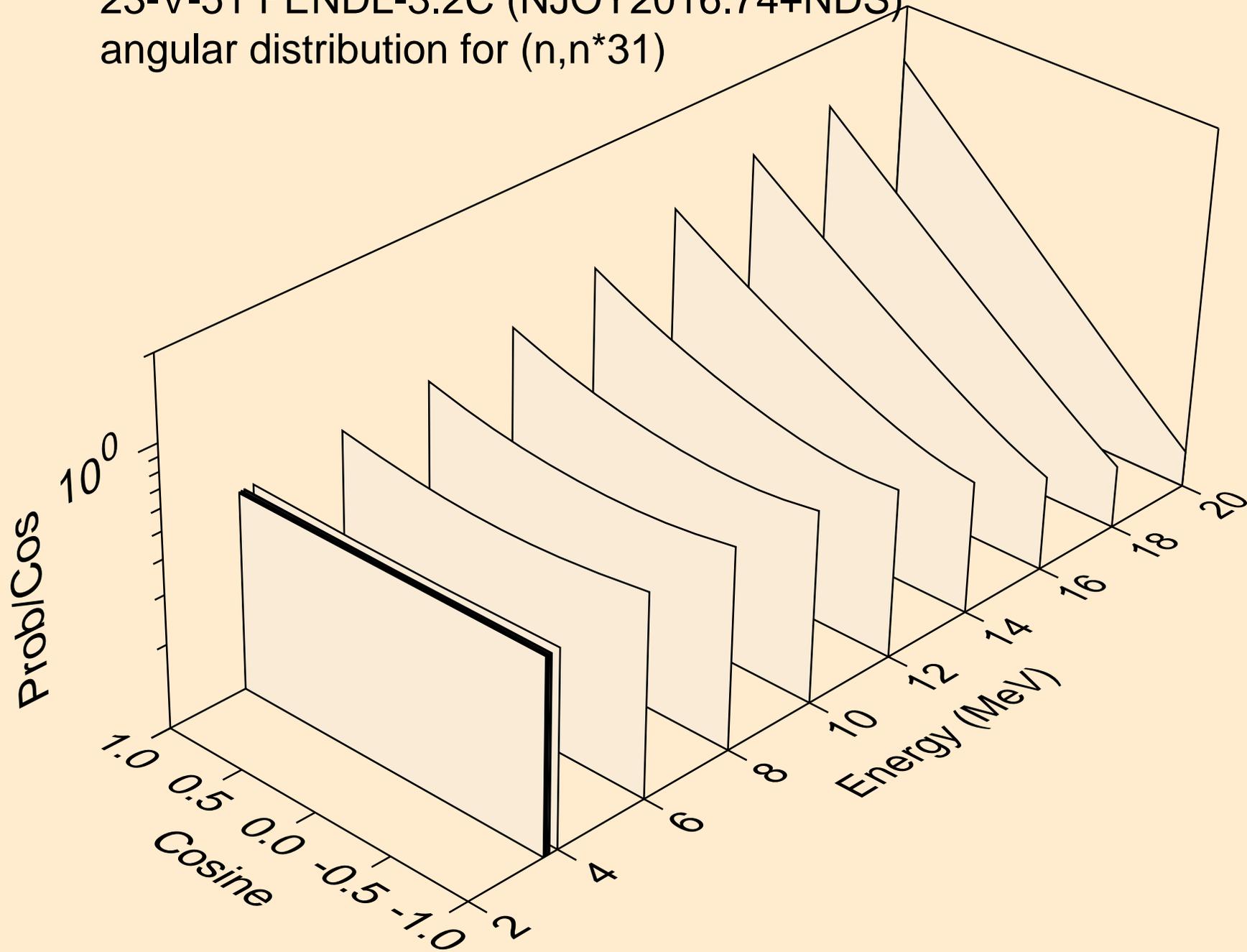
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*29)



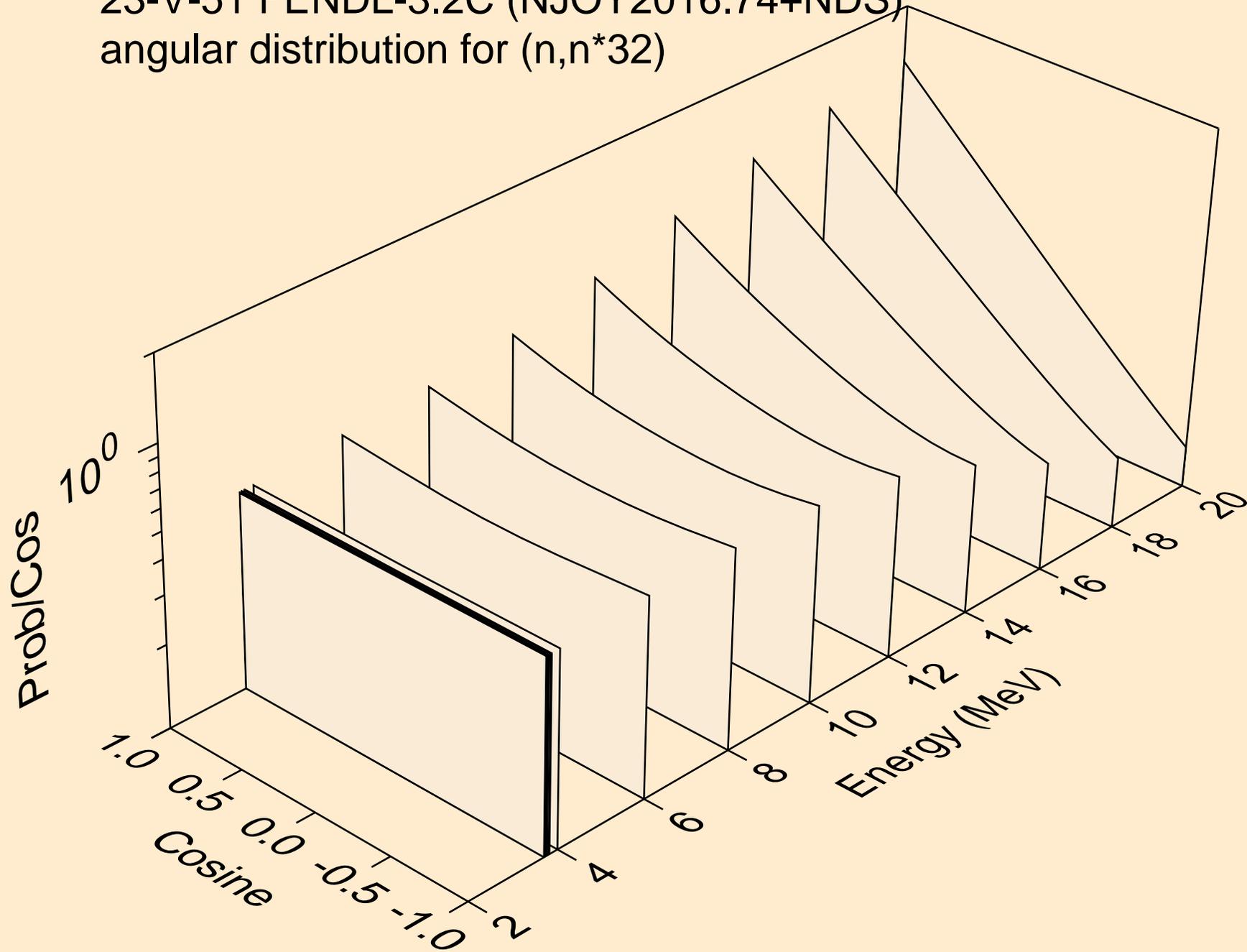
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*30)



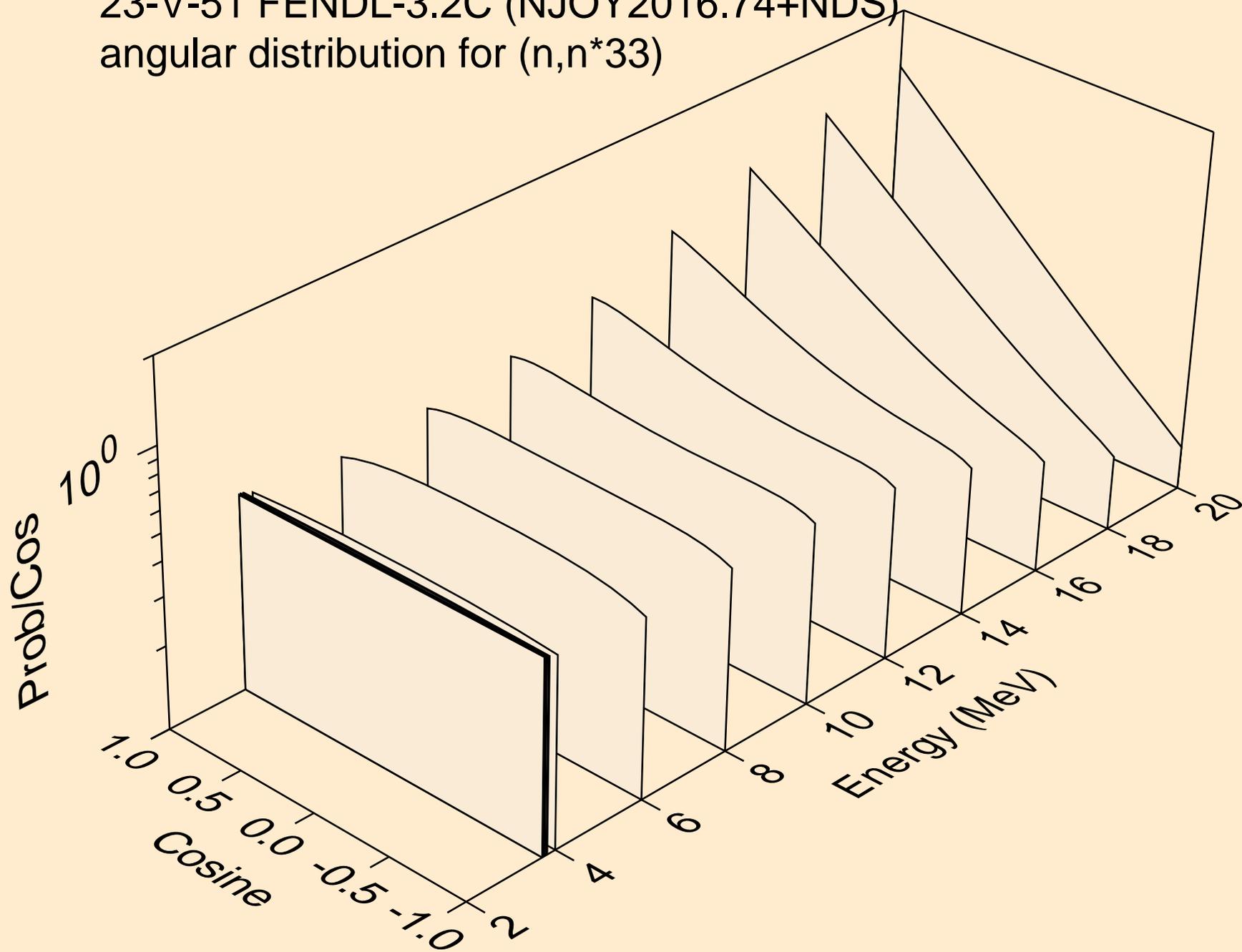
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*31)



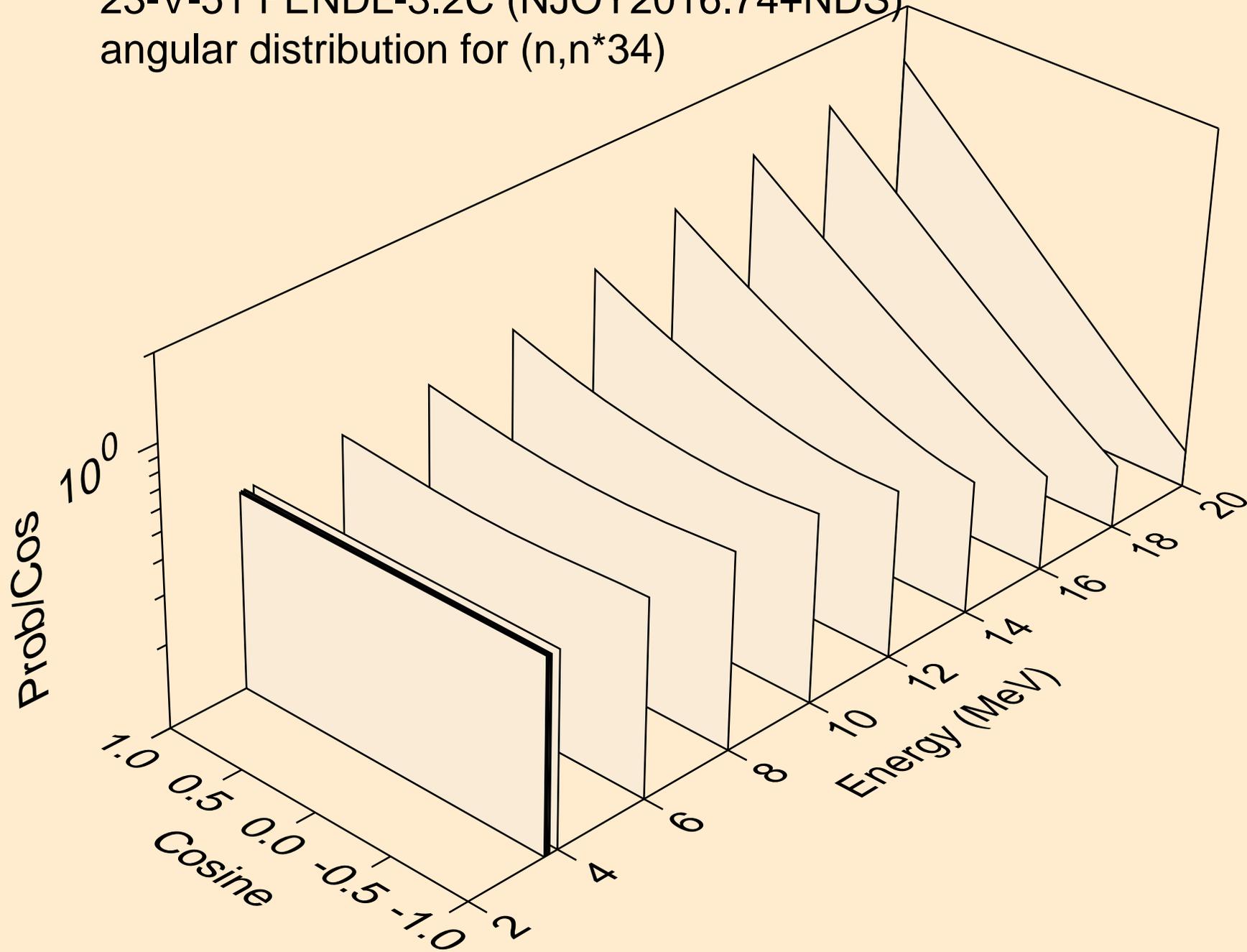
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*32)



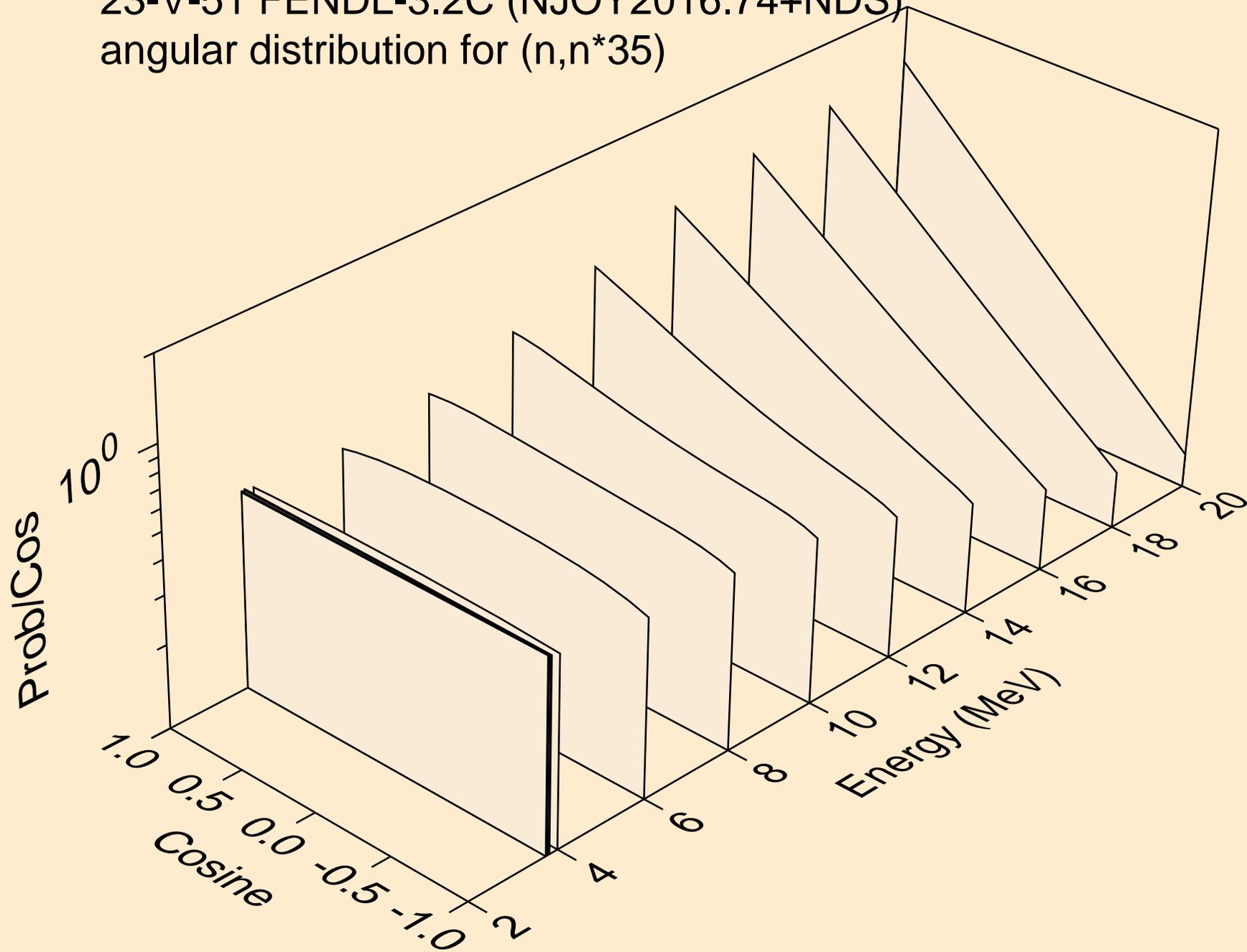
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*33)



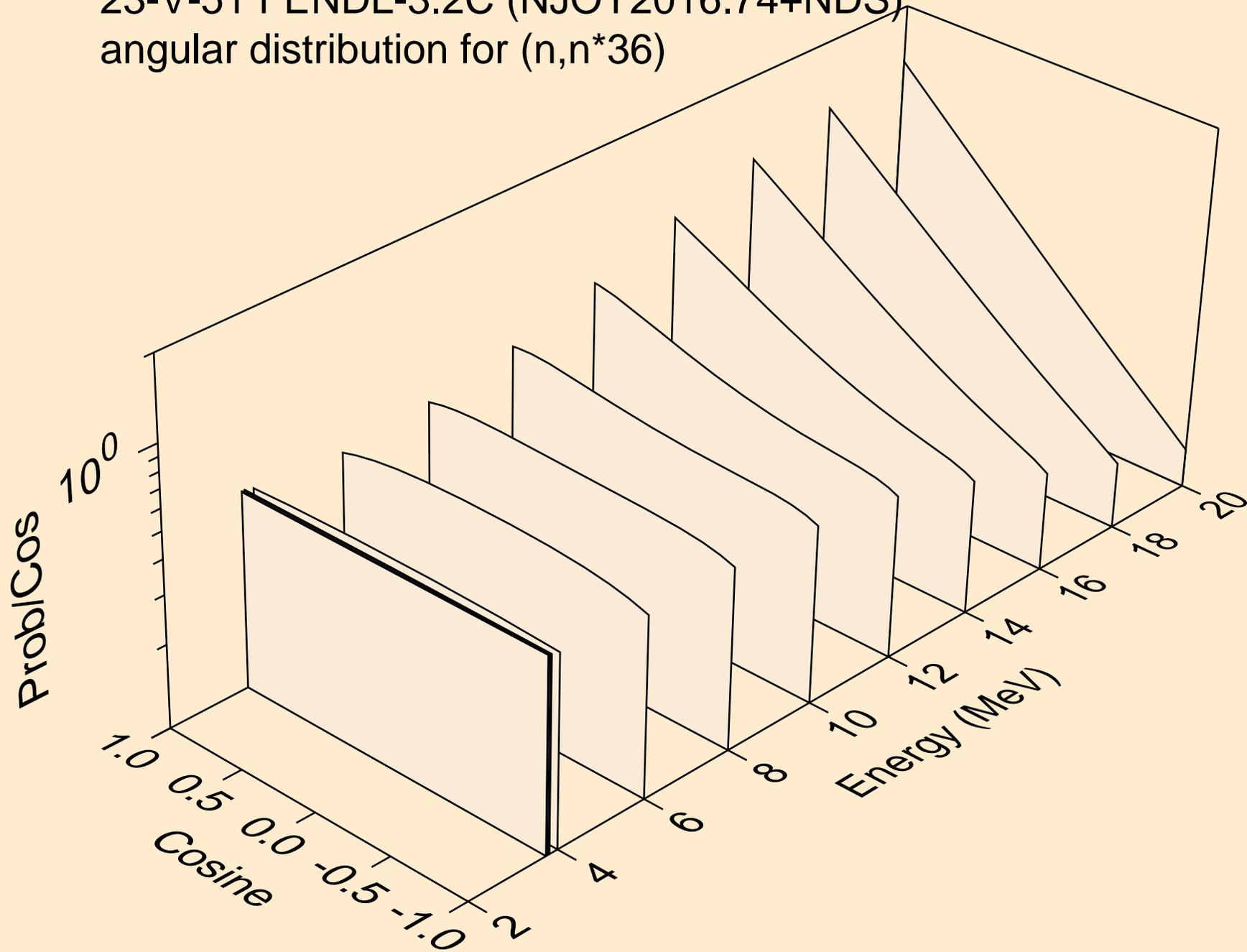
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*34)



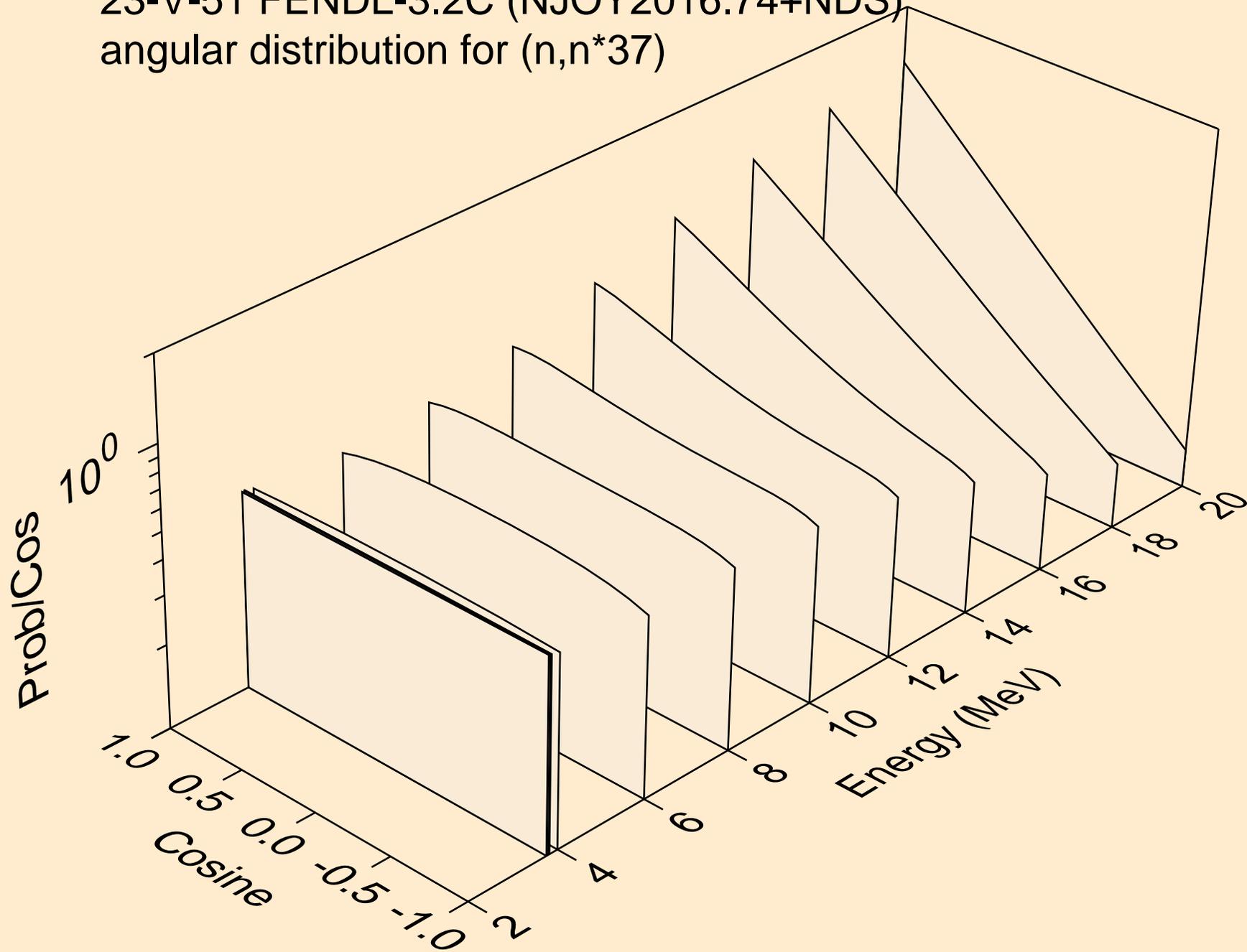
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*35)



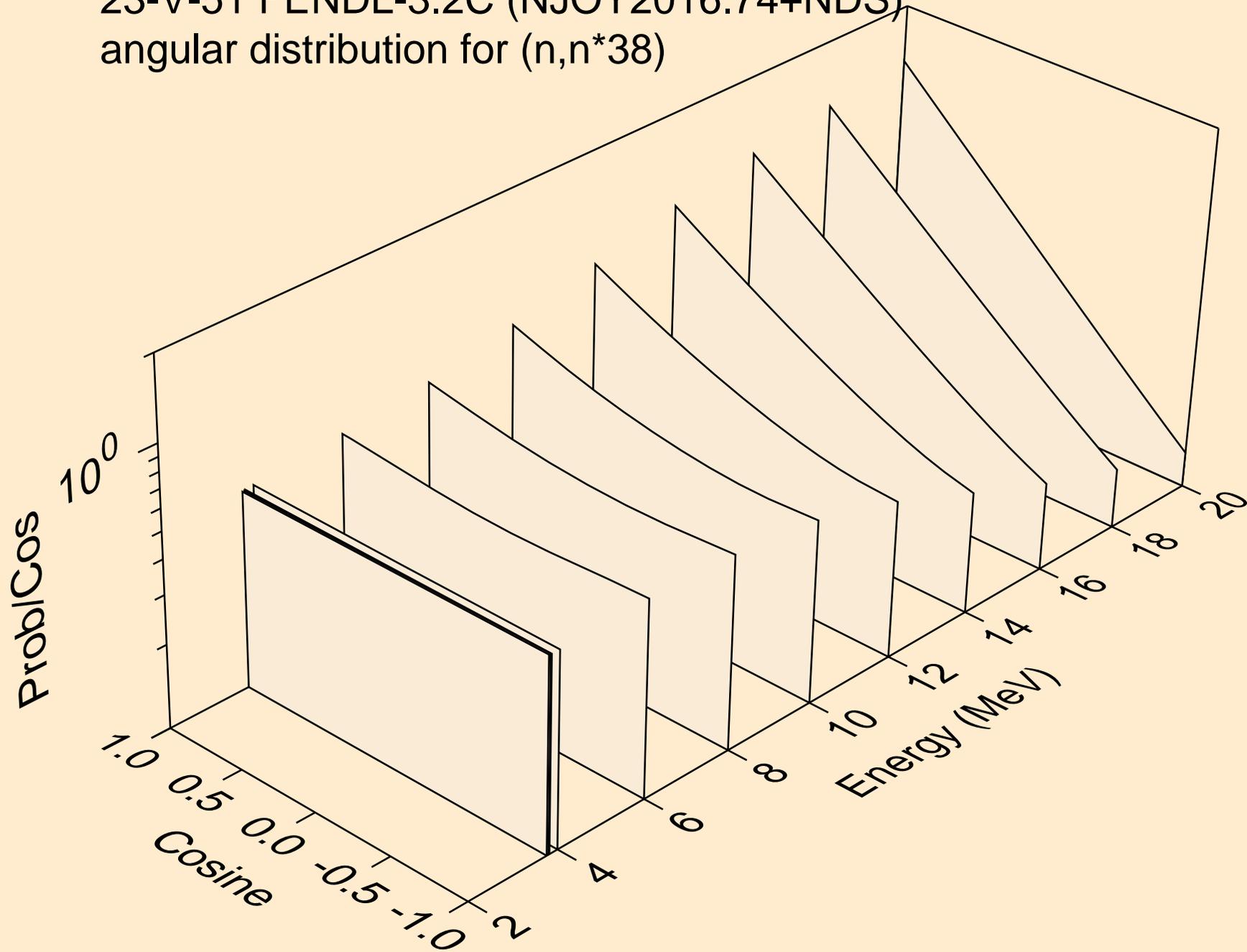
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*36)



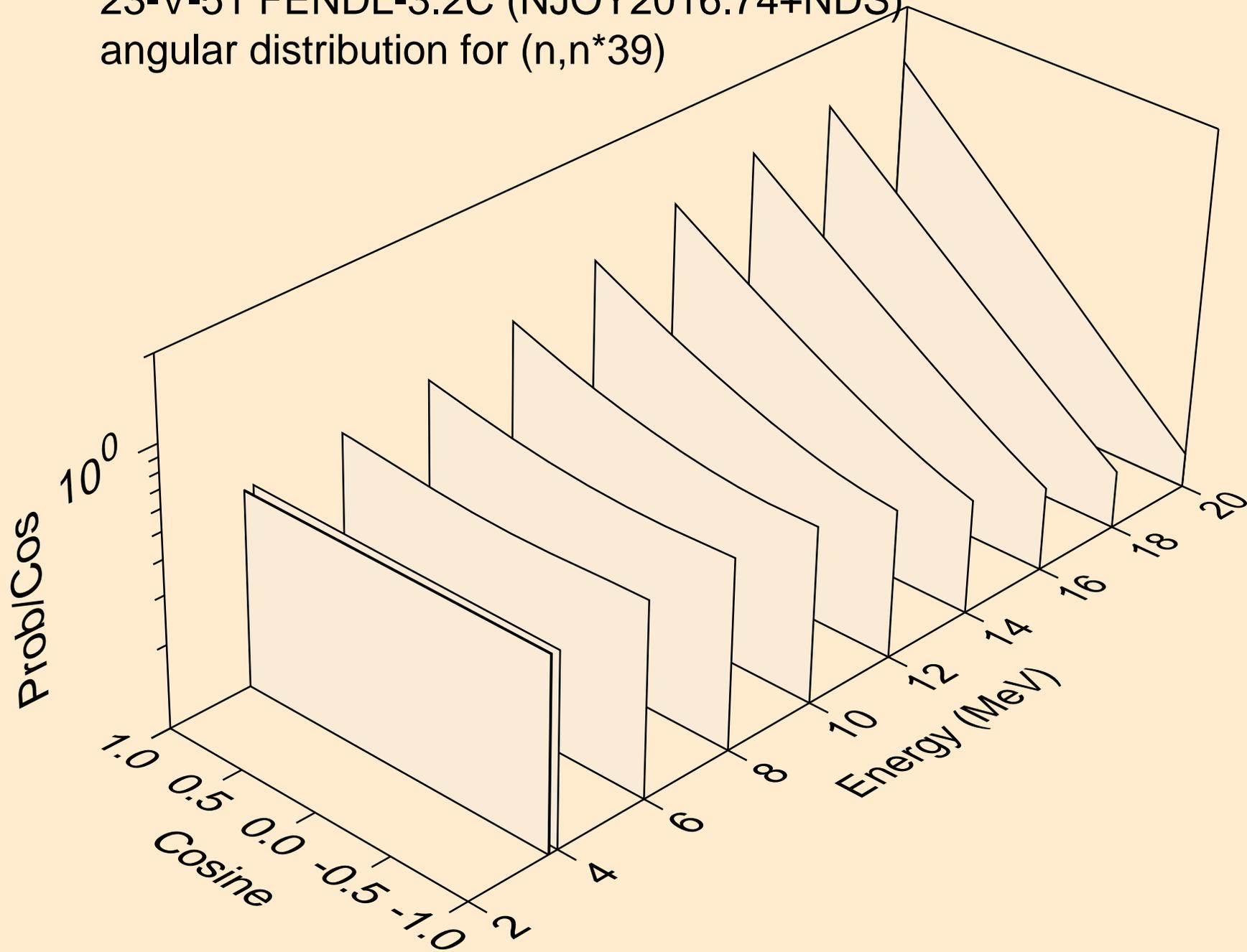
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*37)



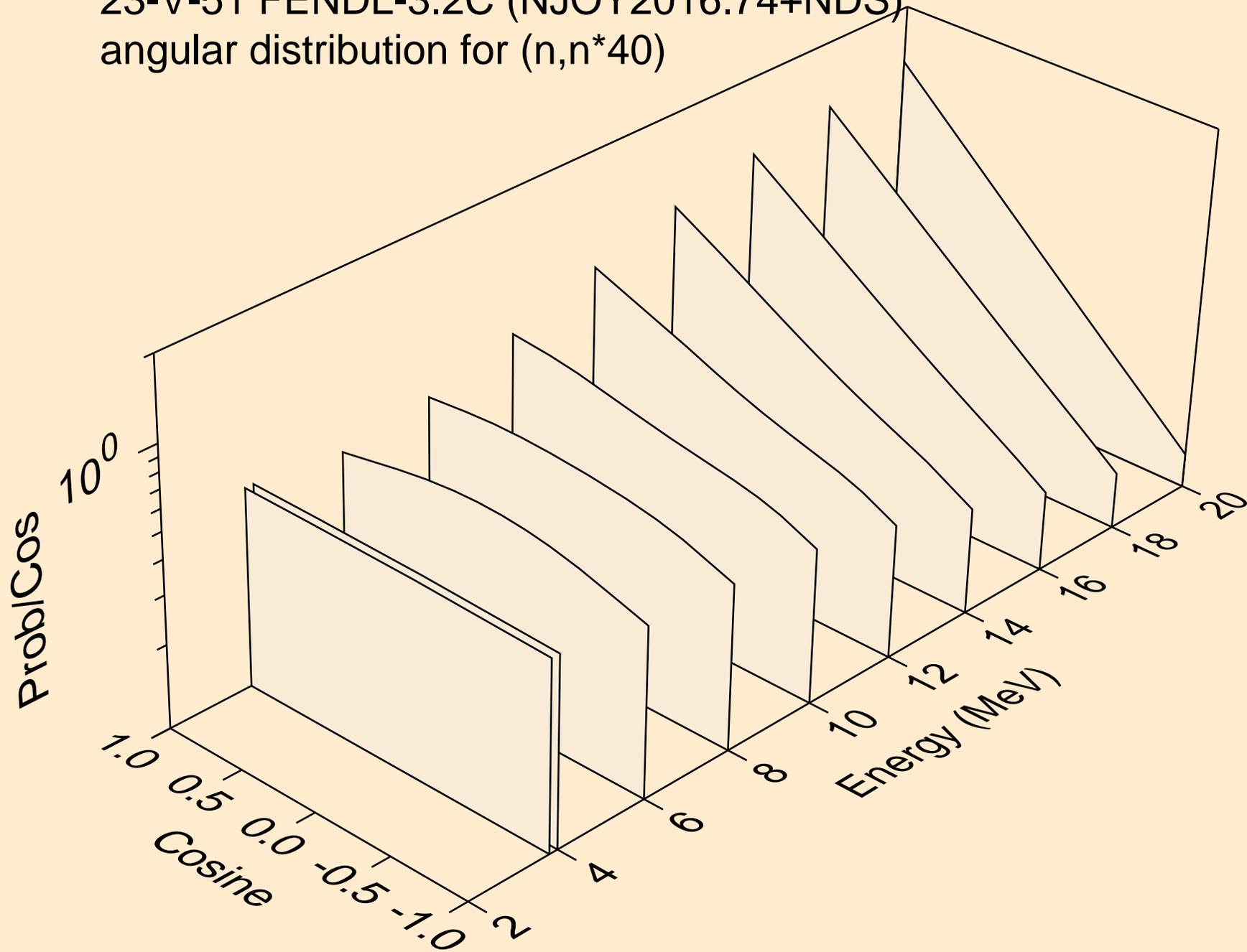
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*38)



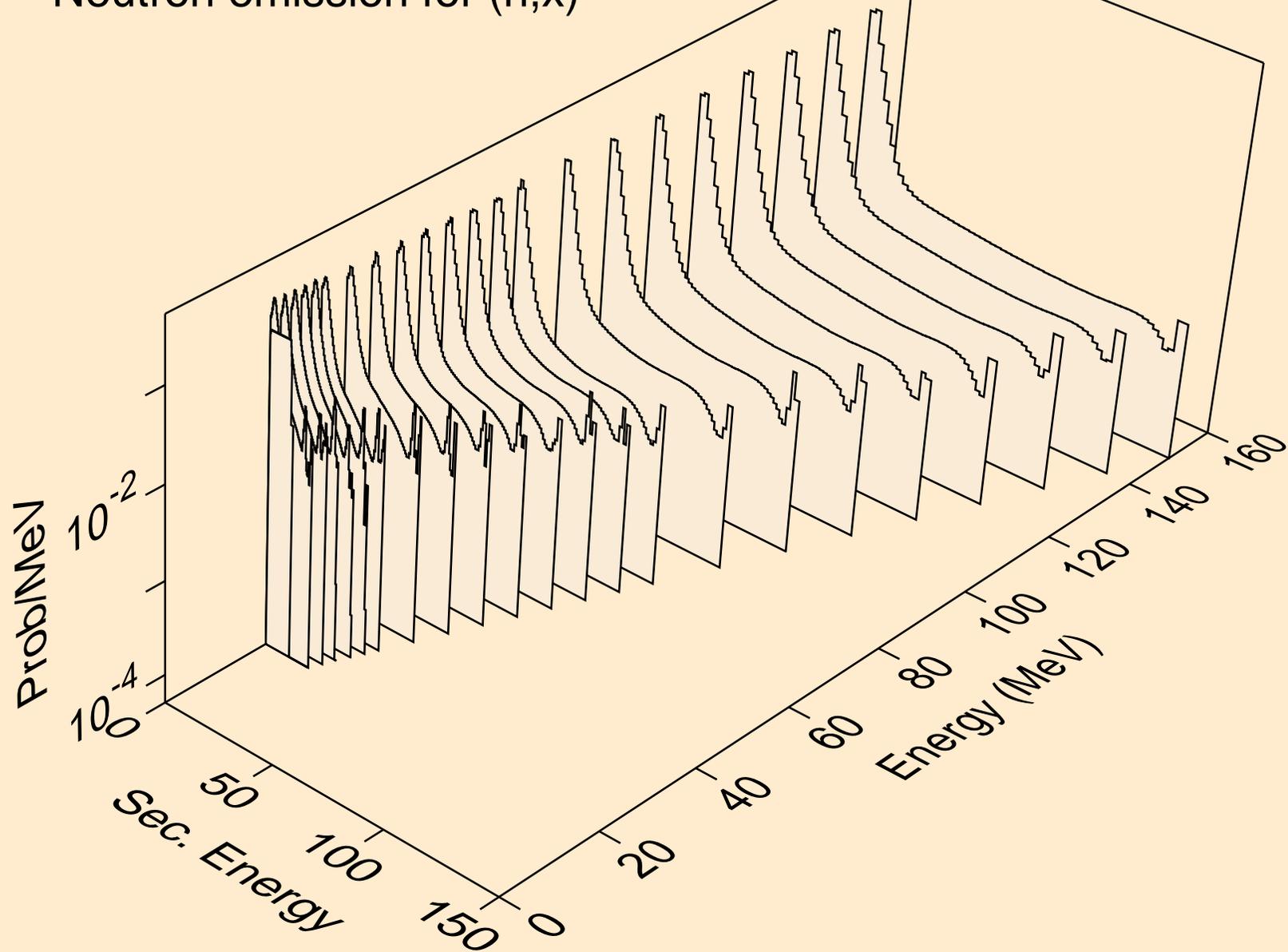
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*39)



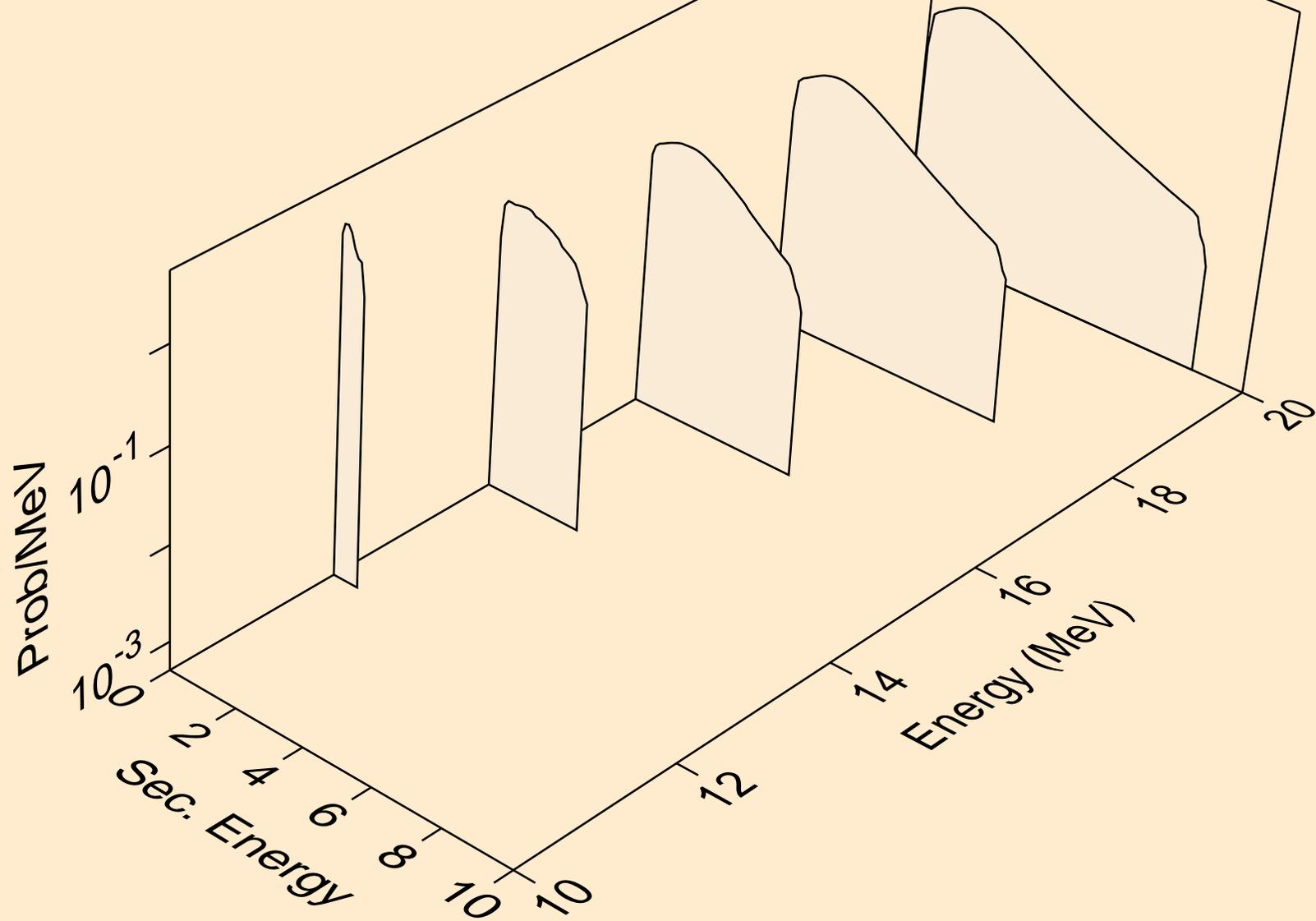
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
angular distribution for (n,n\*40)



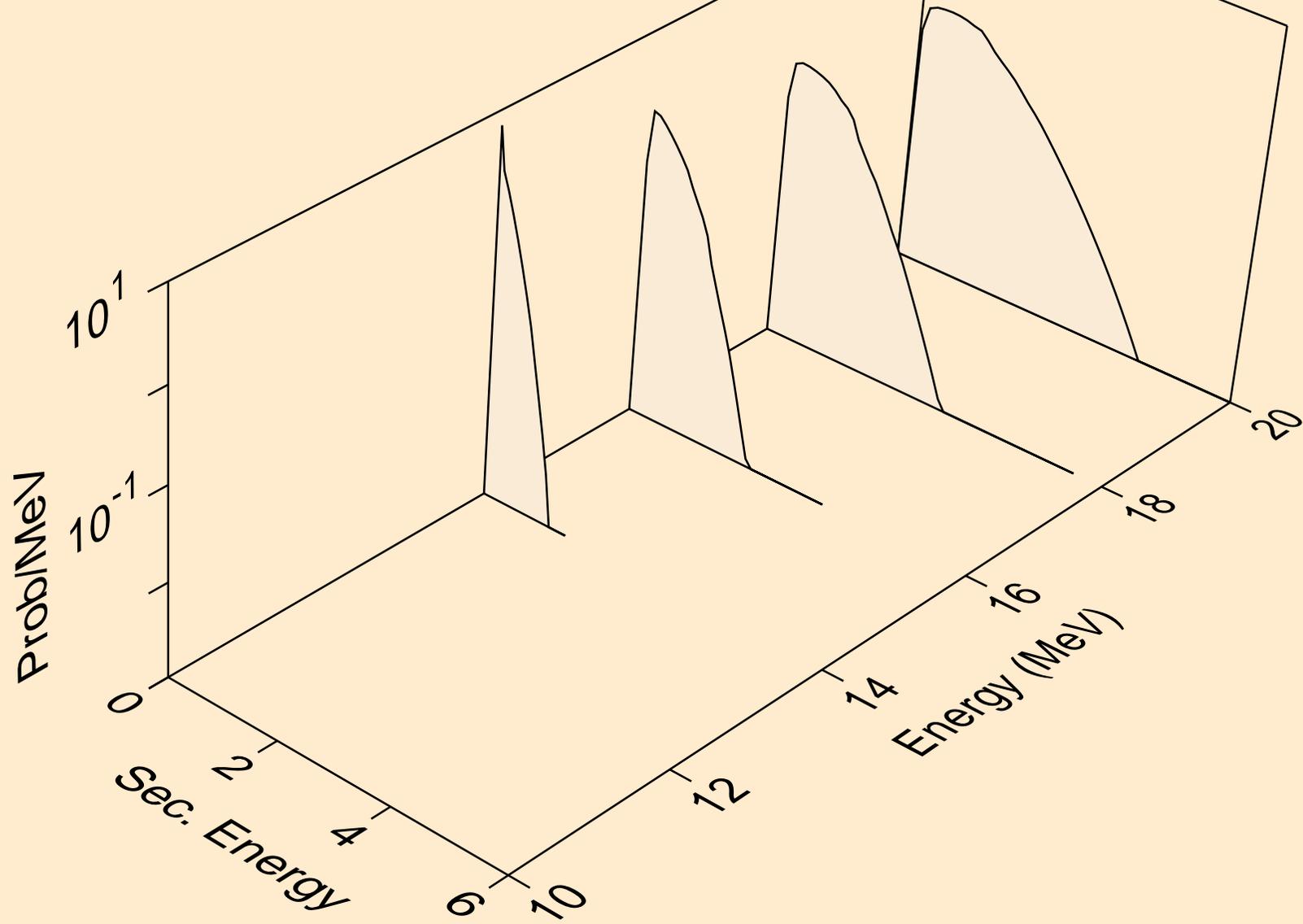
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Neutron emission for (n,x)



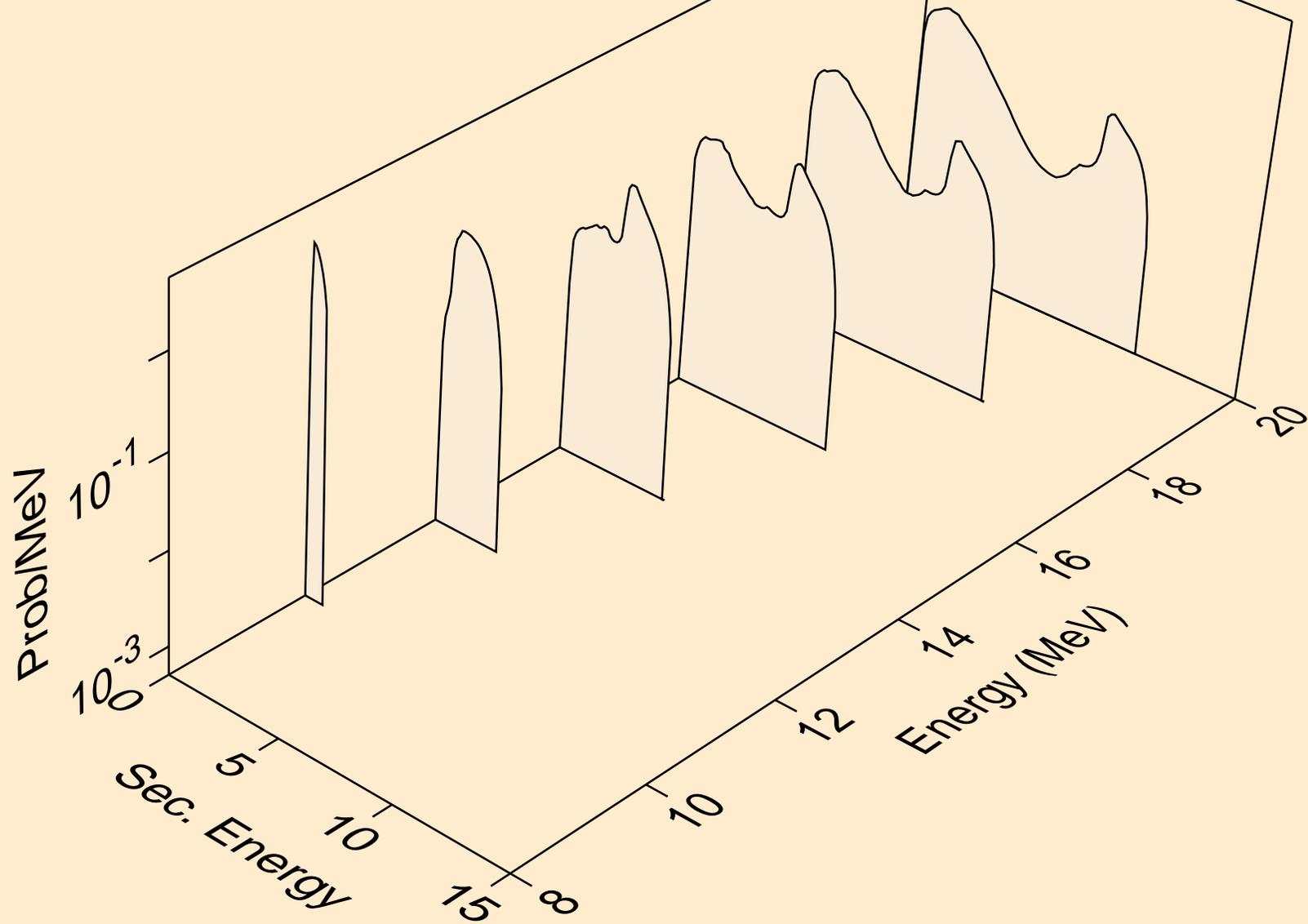
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Neutron emission for (n,2n)



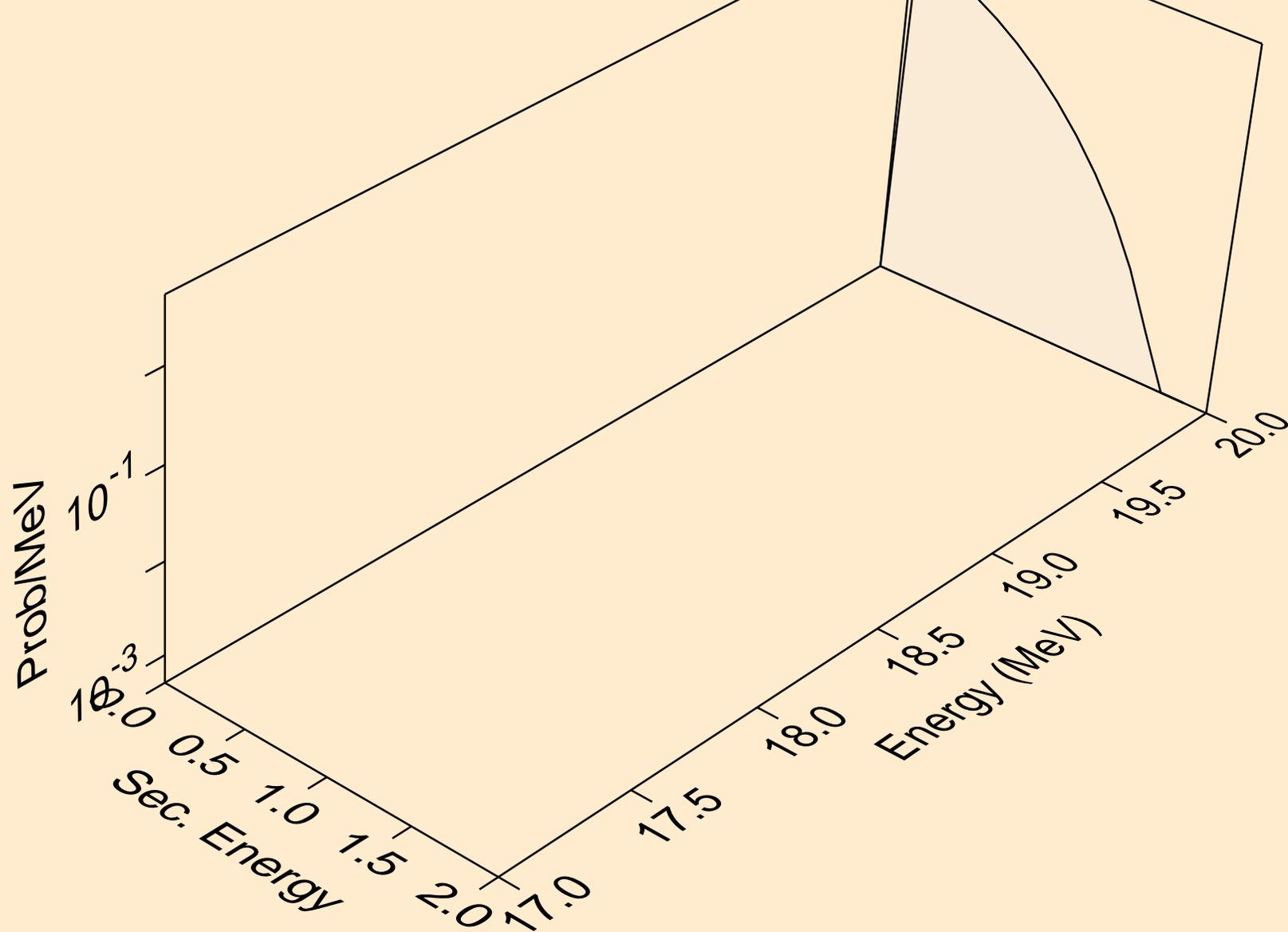
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Neutron emission for (n,na)



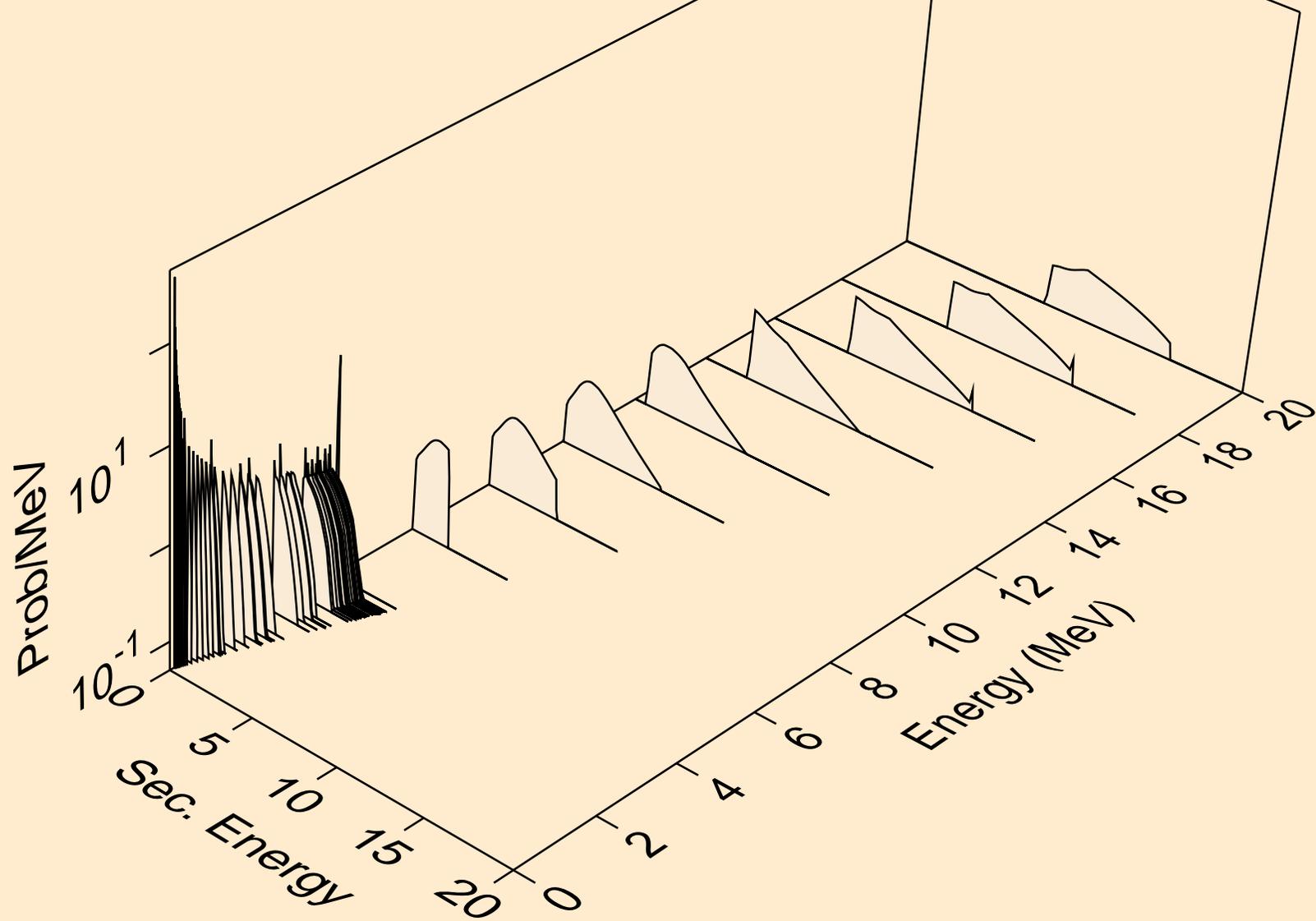
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Neutron emission for (n,np)



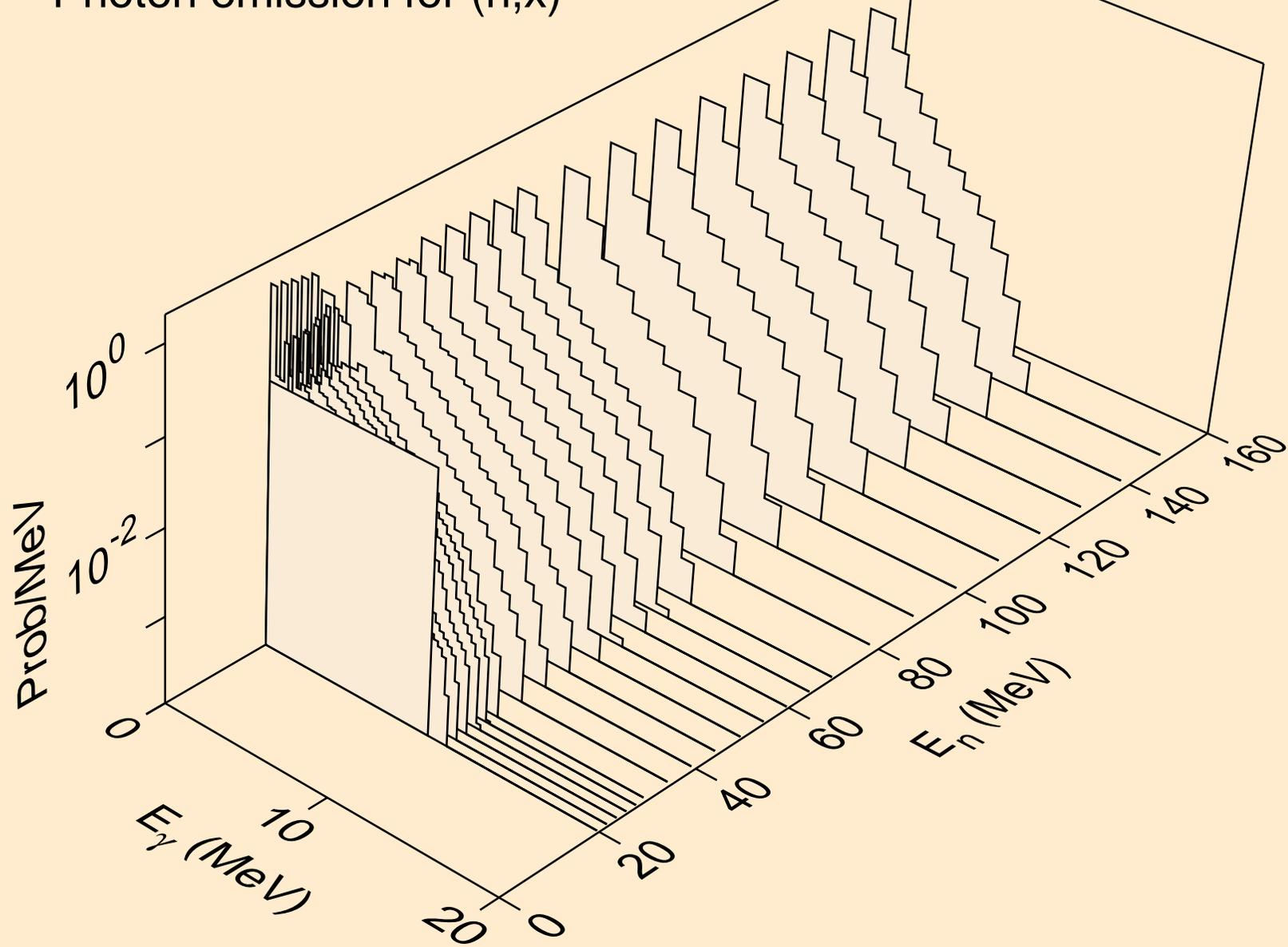
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Neutron emission for (n,nd)



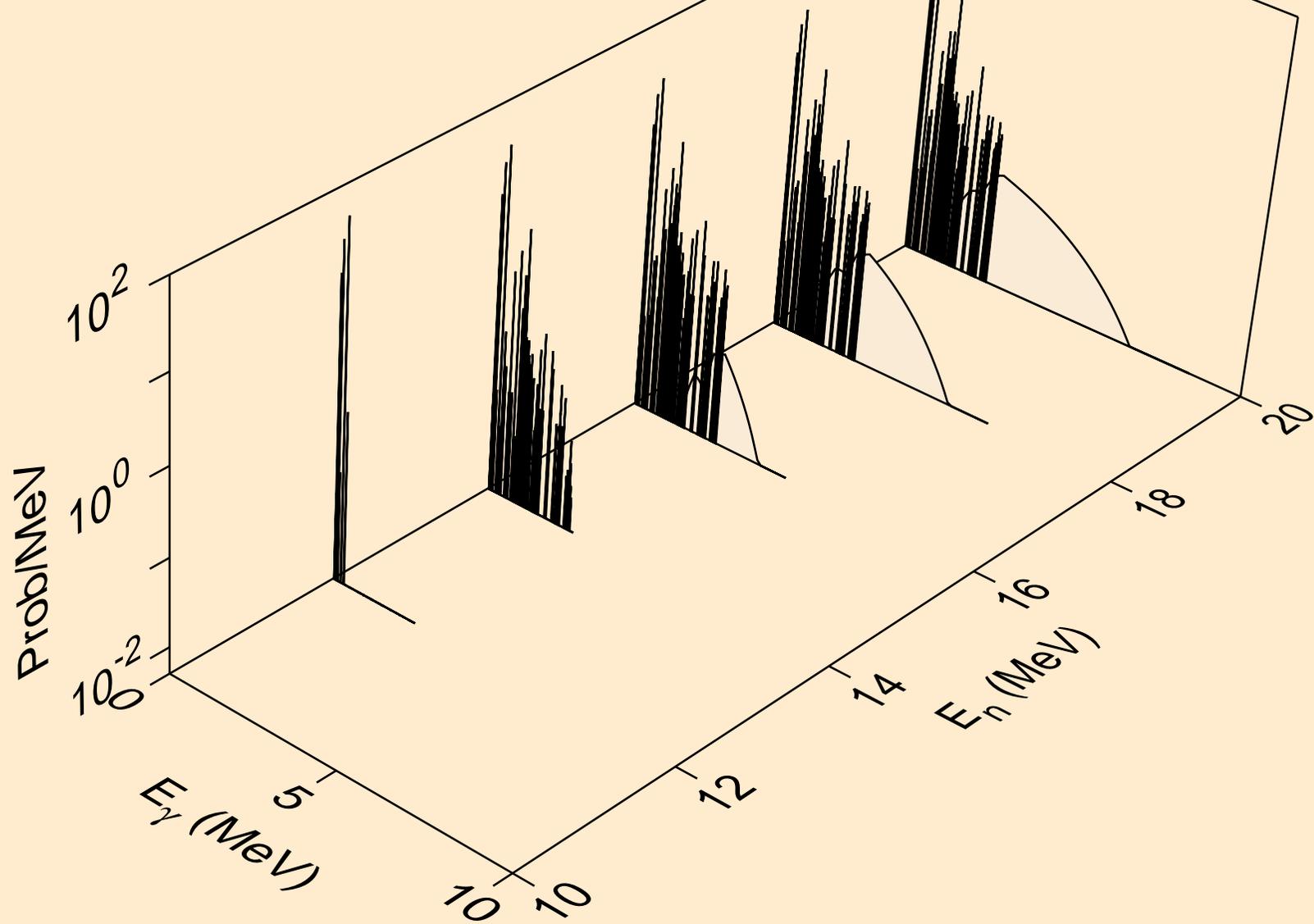
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Neutron emission for (n,n\*c)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,x)

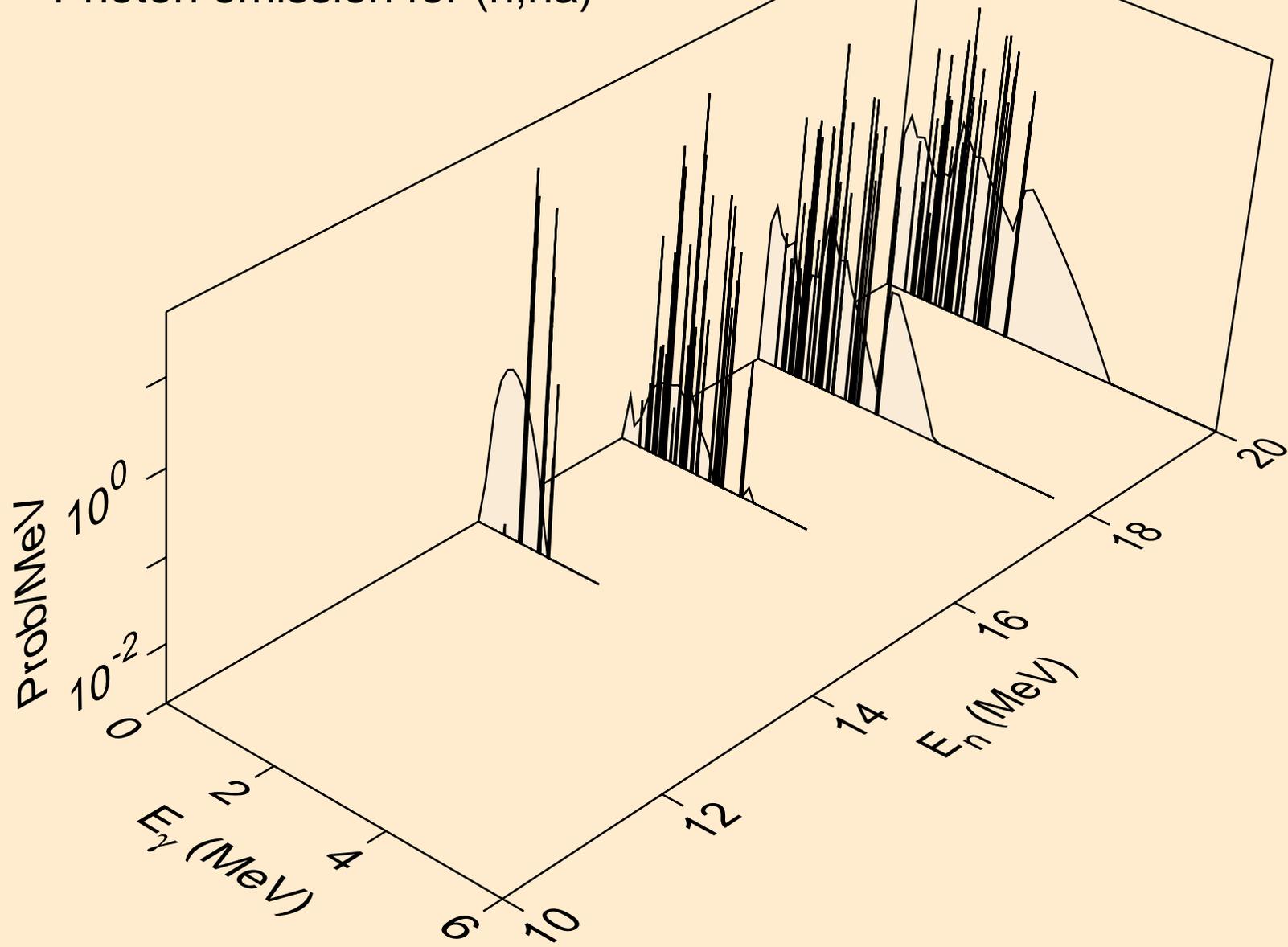


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,2n)

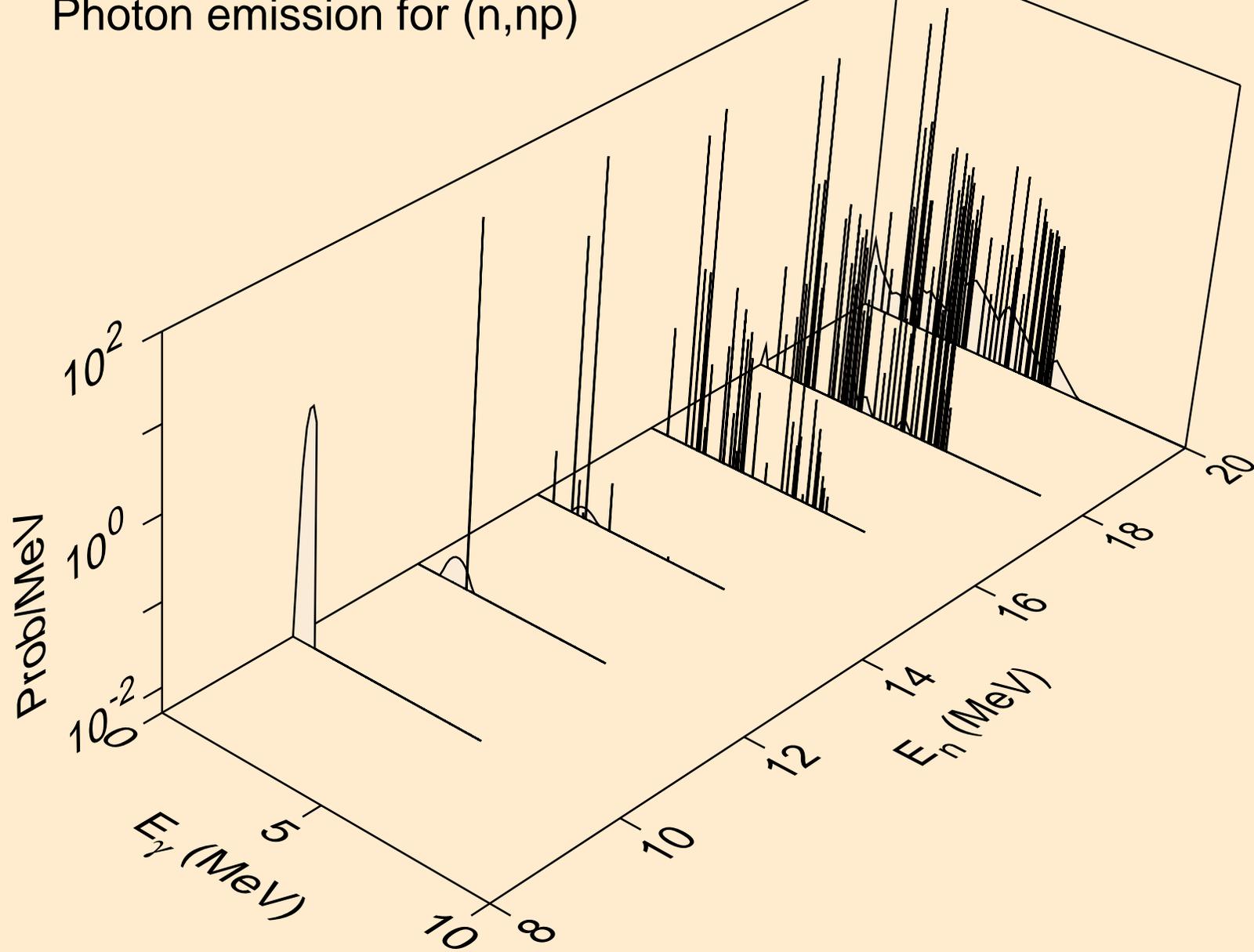


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

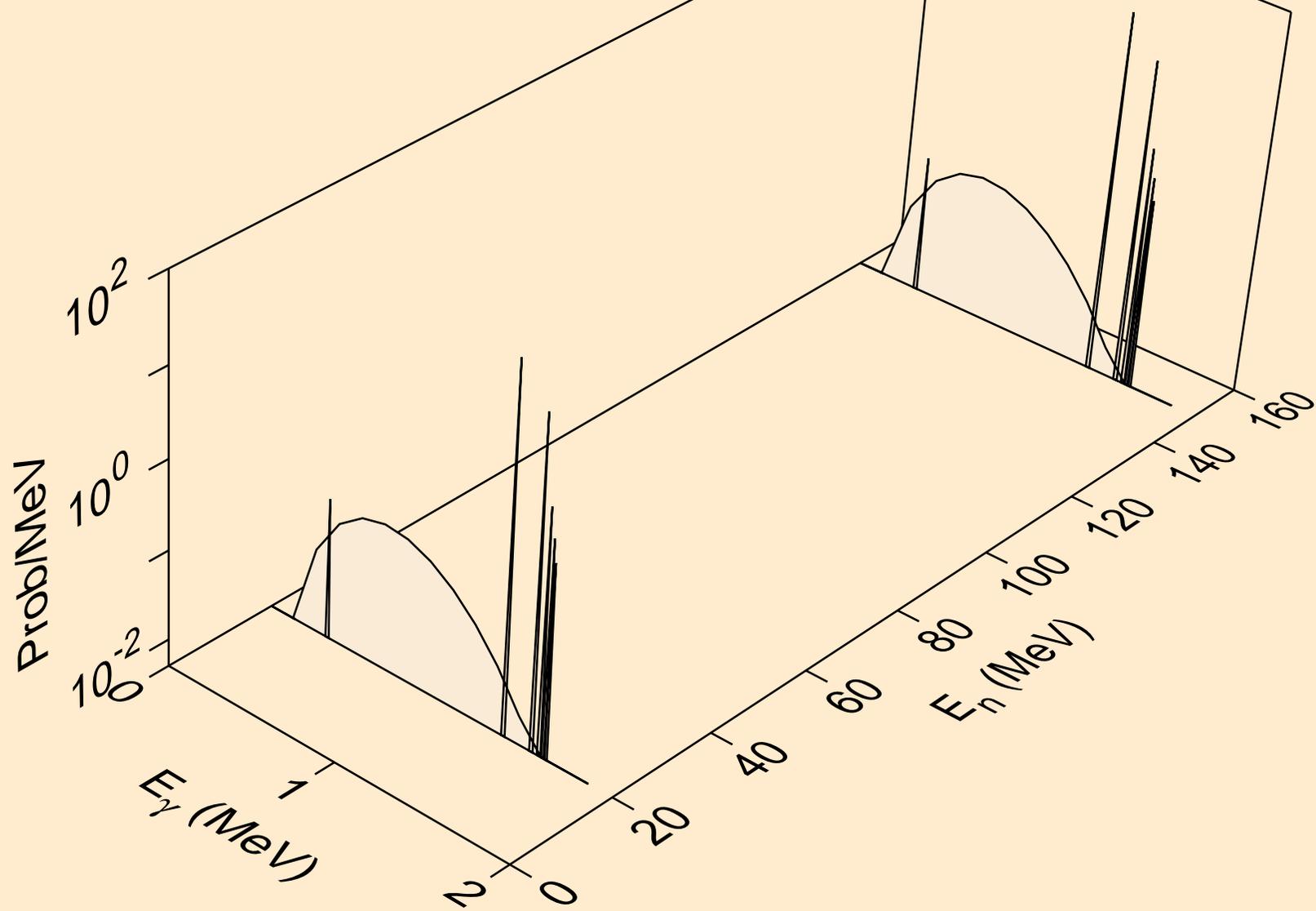
Photon emission for (n,na)



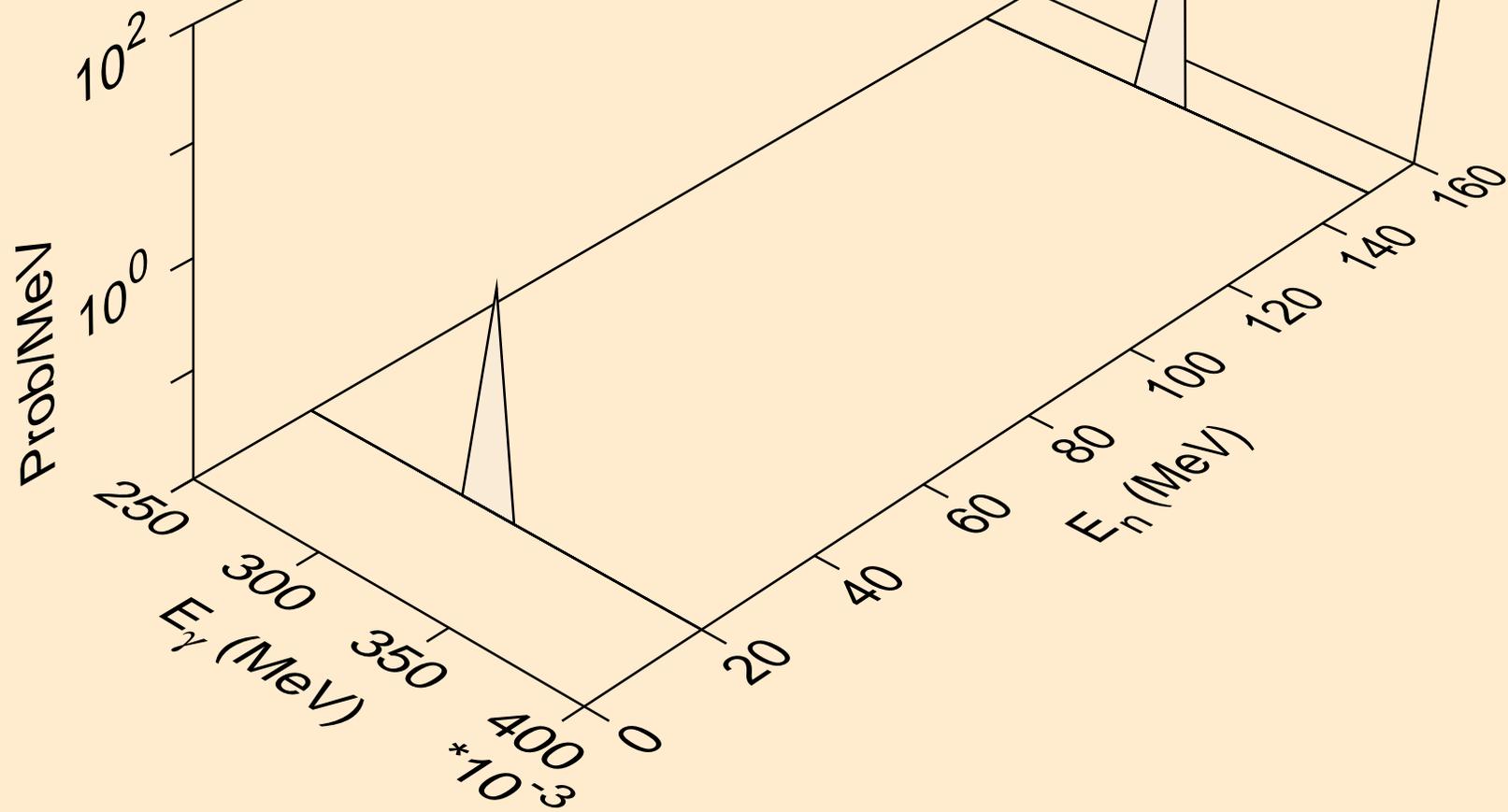
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,np)



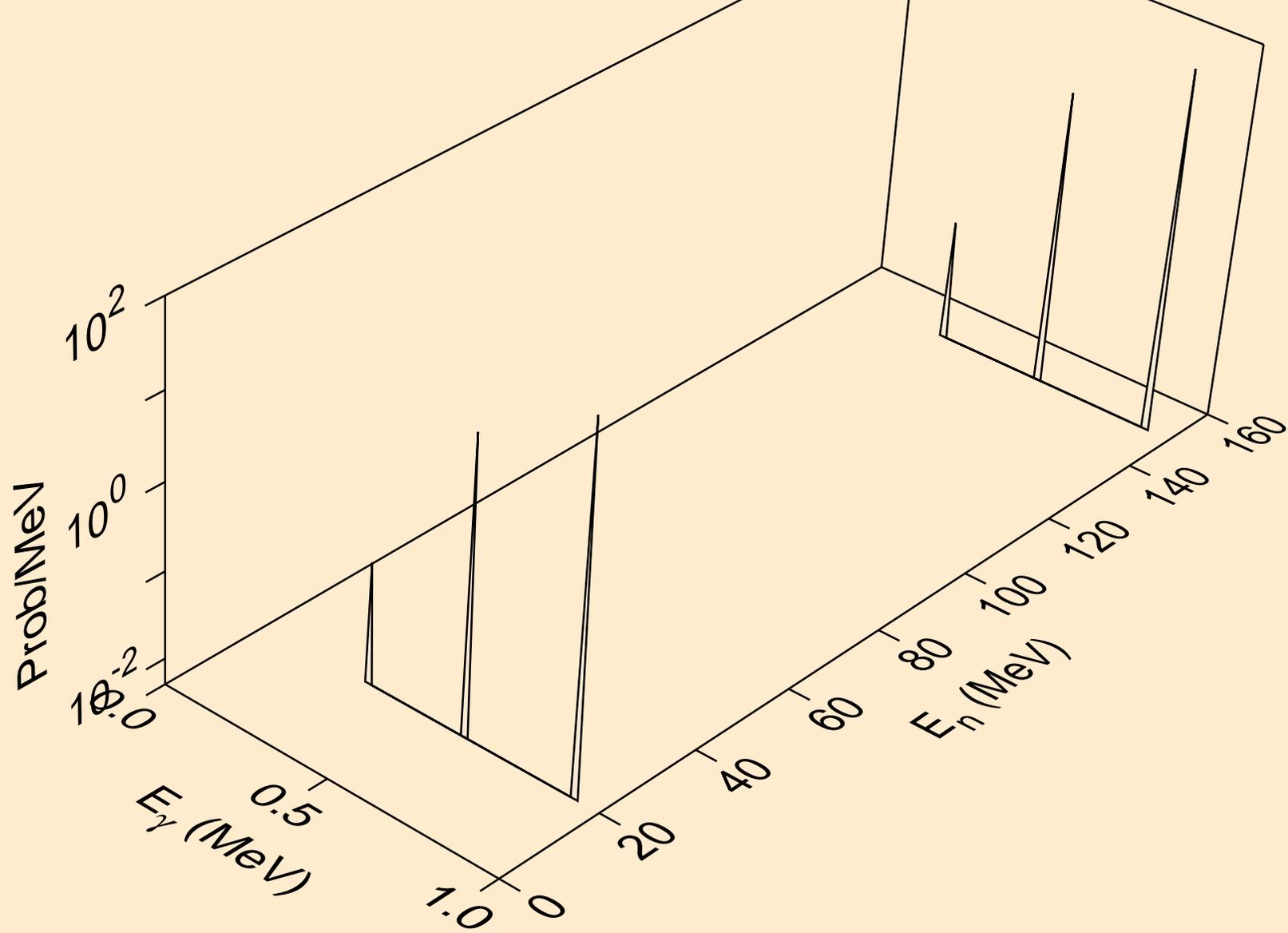
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,nd)



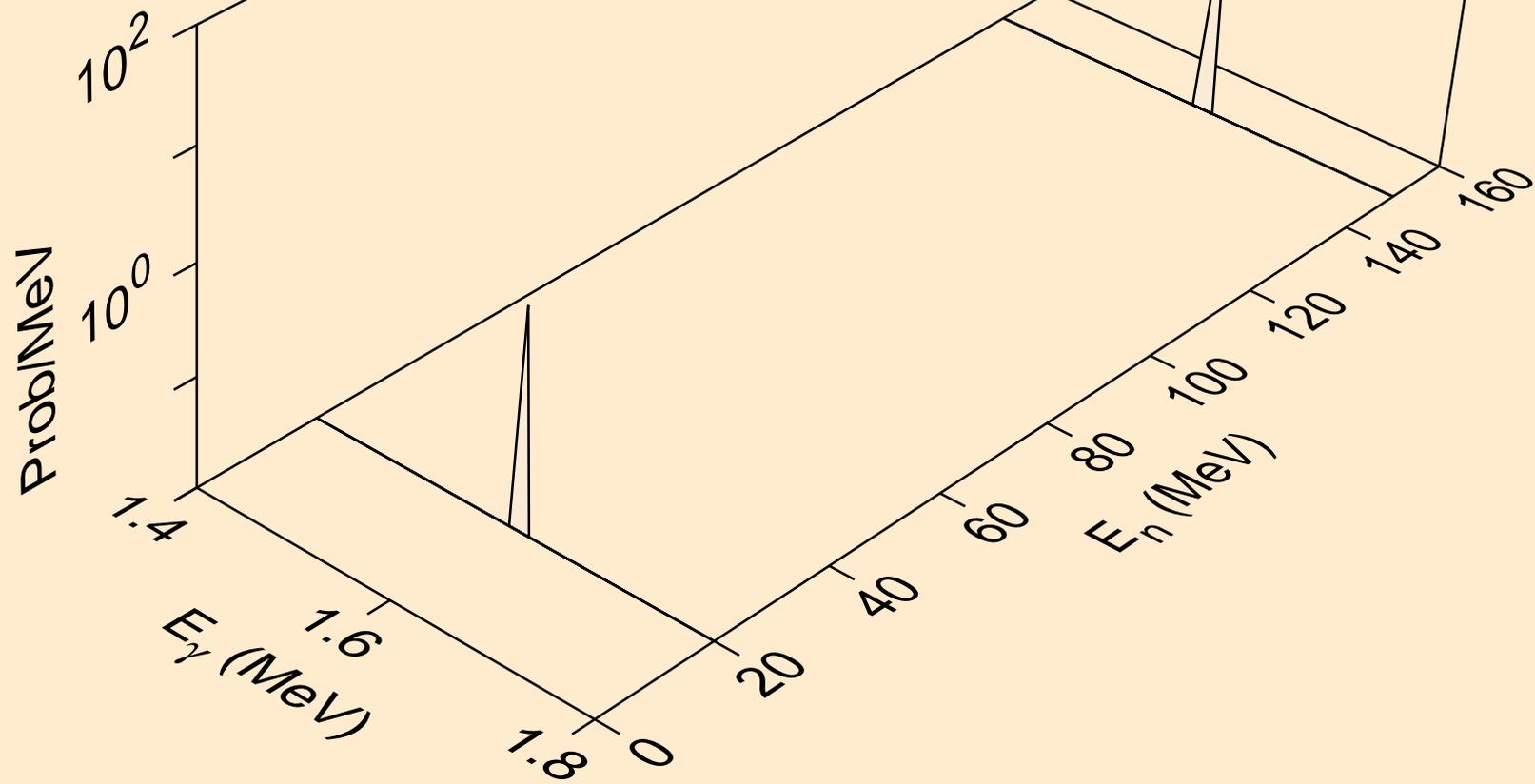
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*1)



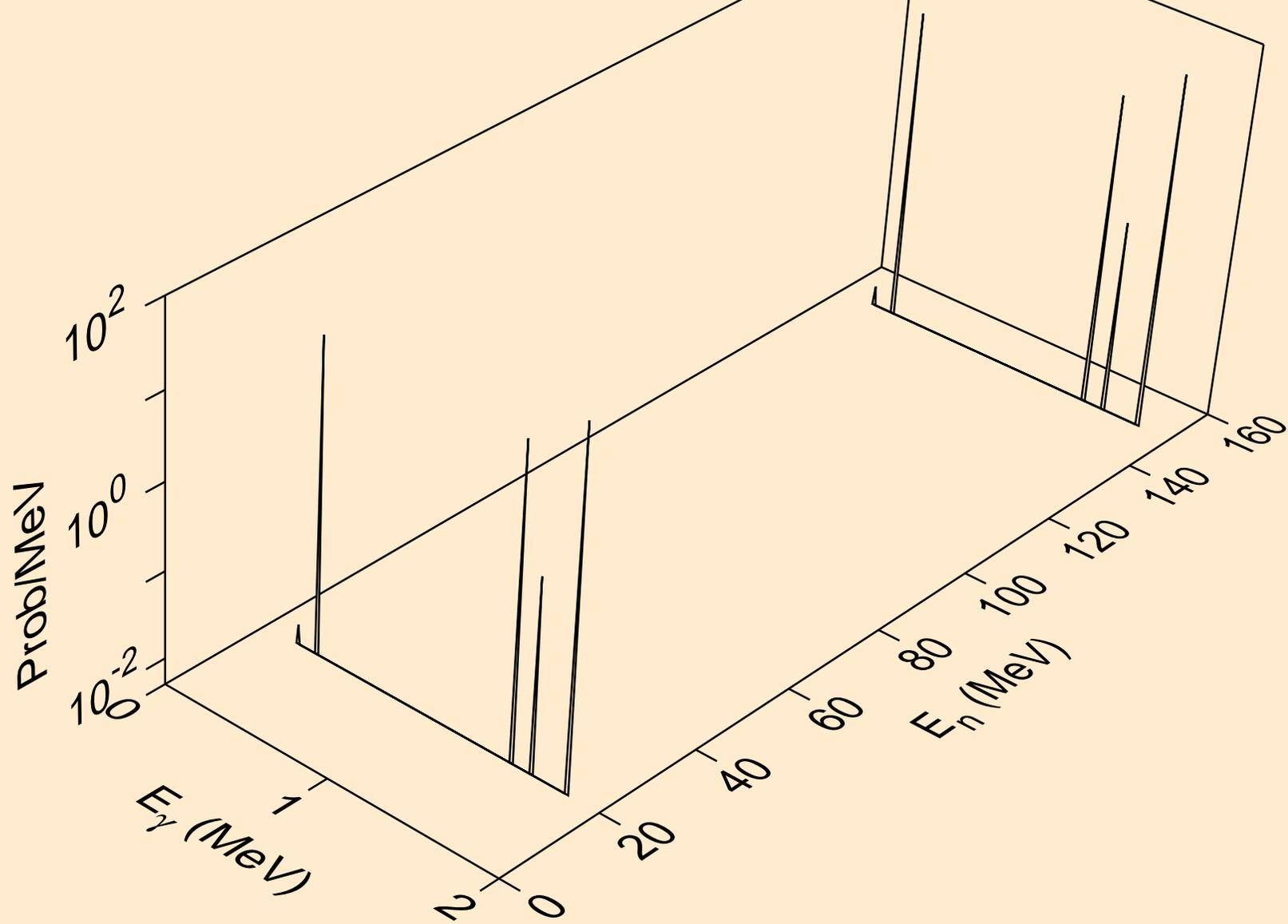
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*2)



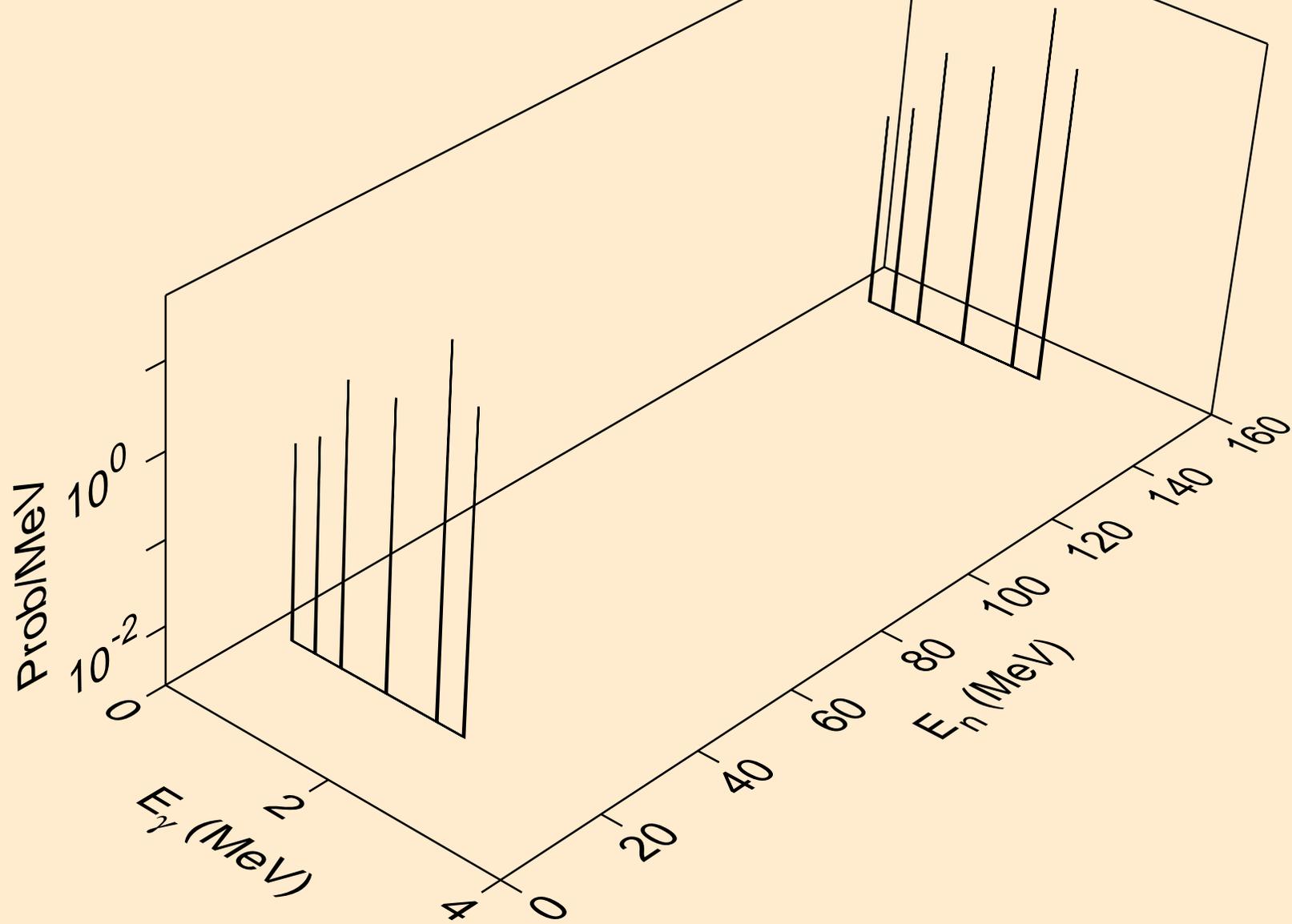
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*3)



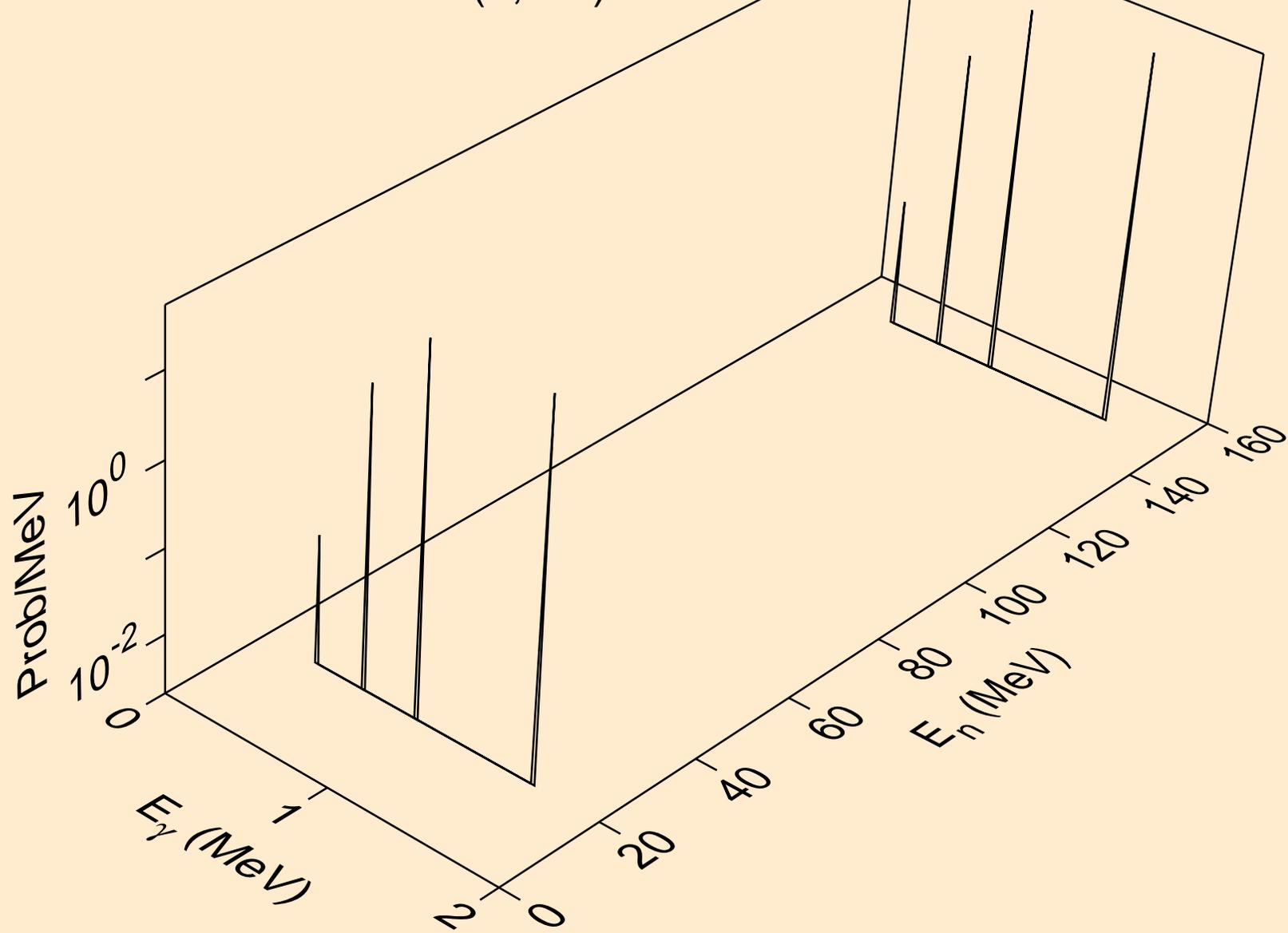
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*4)



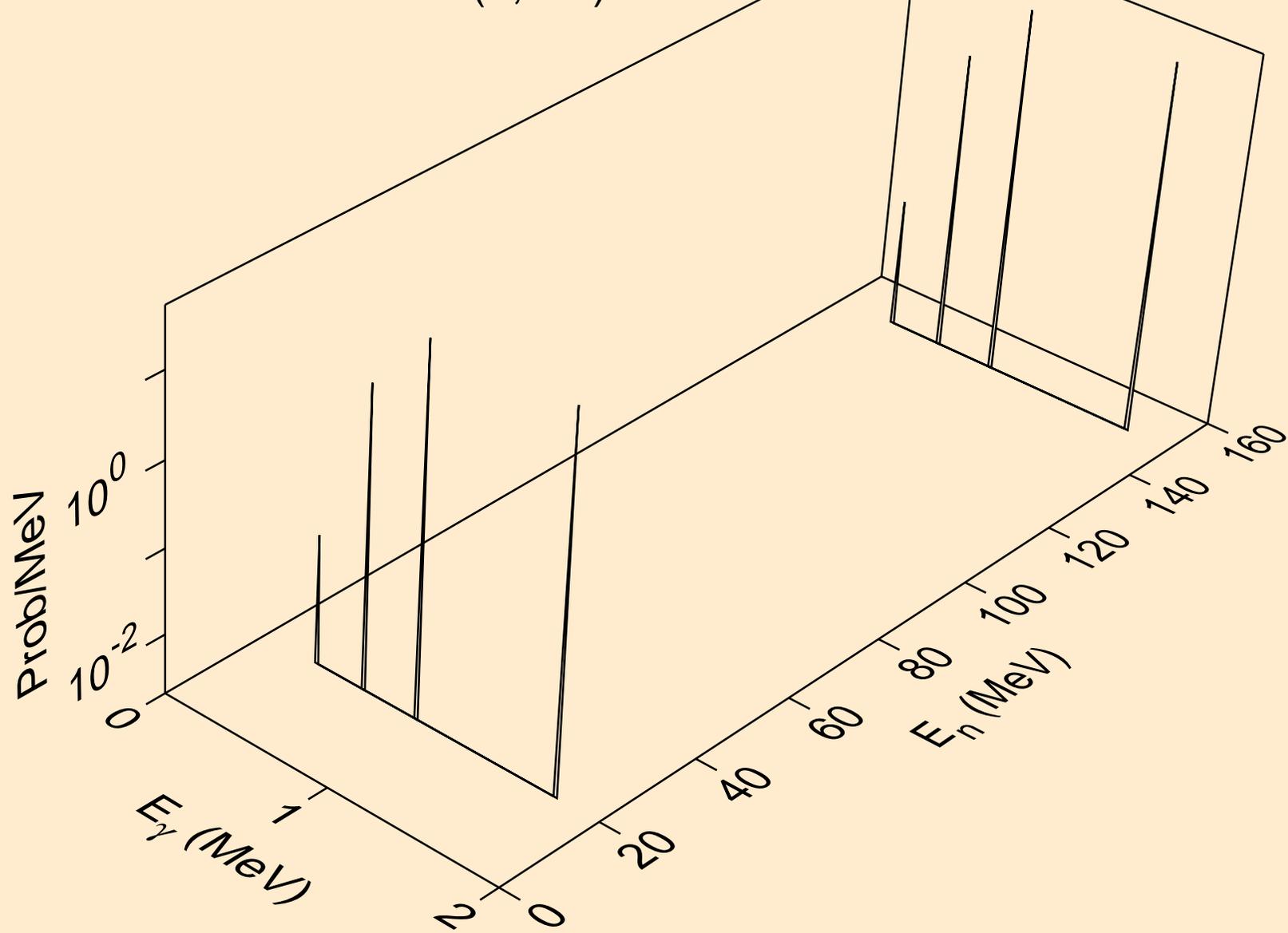
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*5)



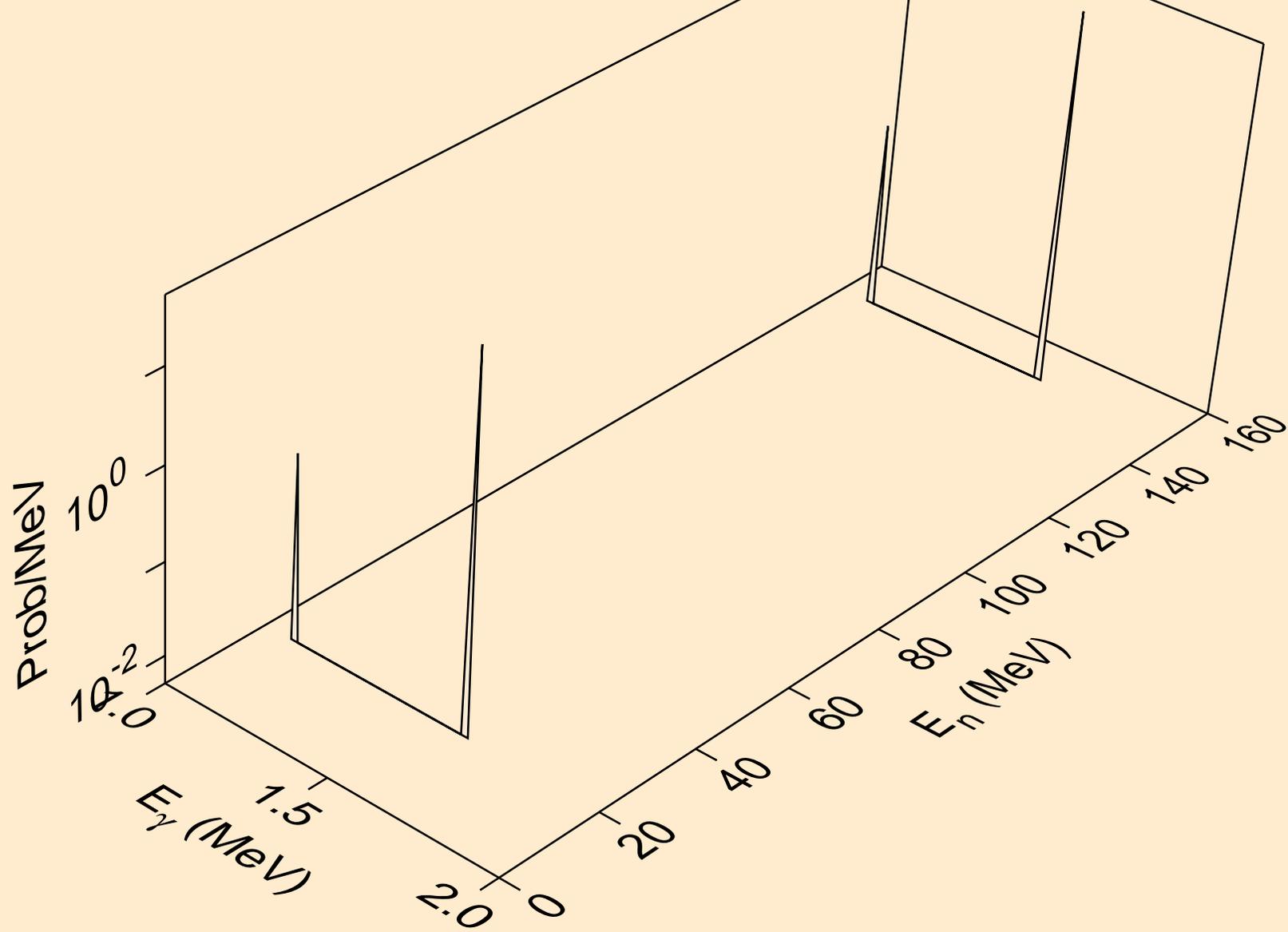
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*6)



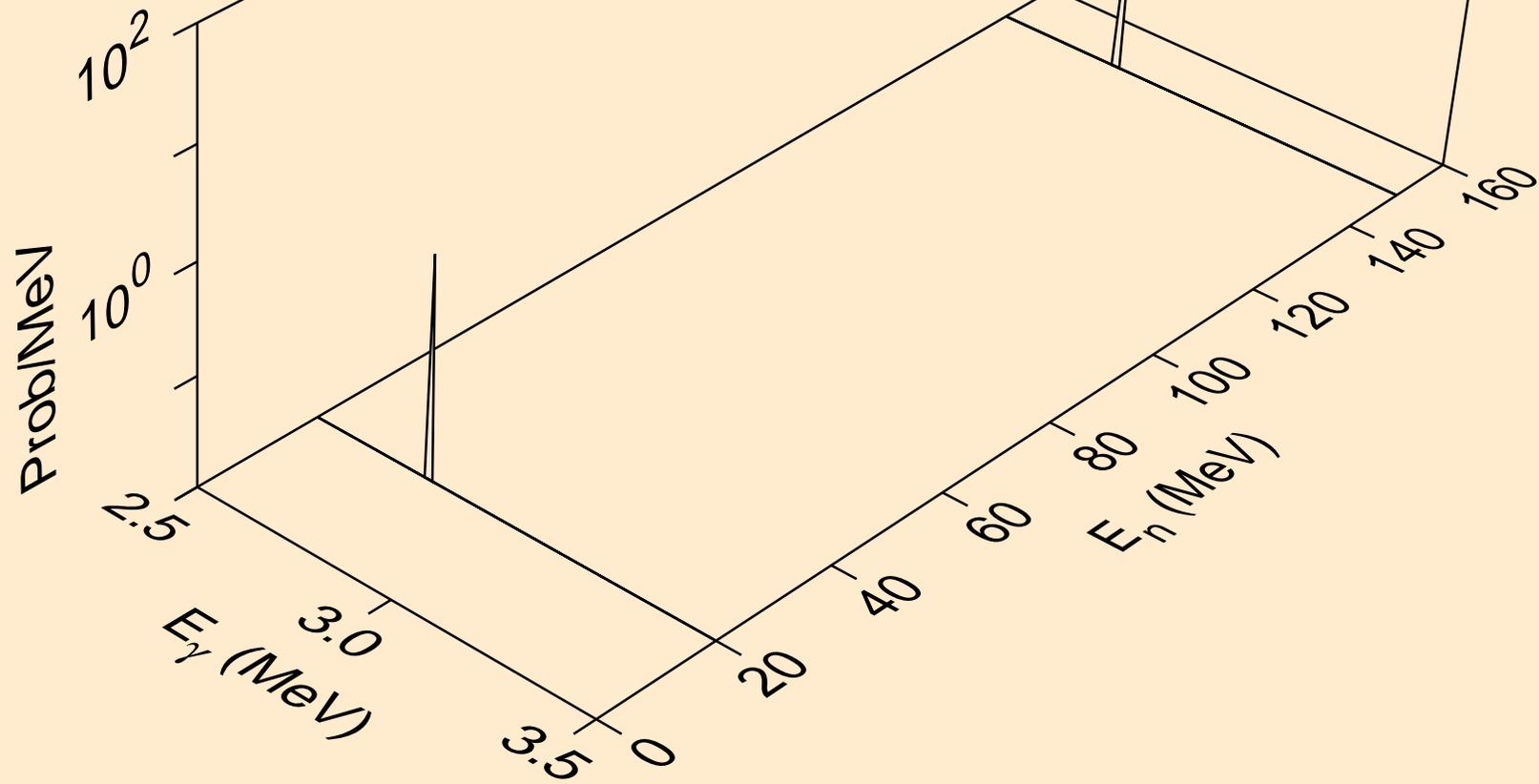
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*7)



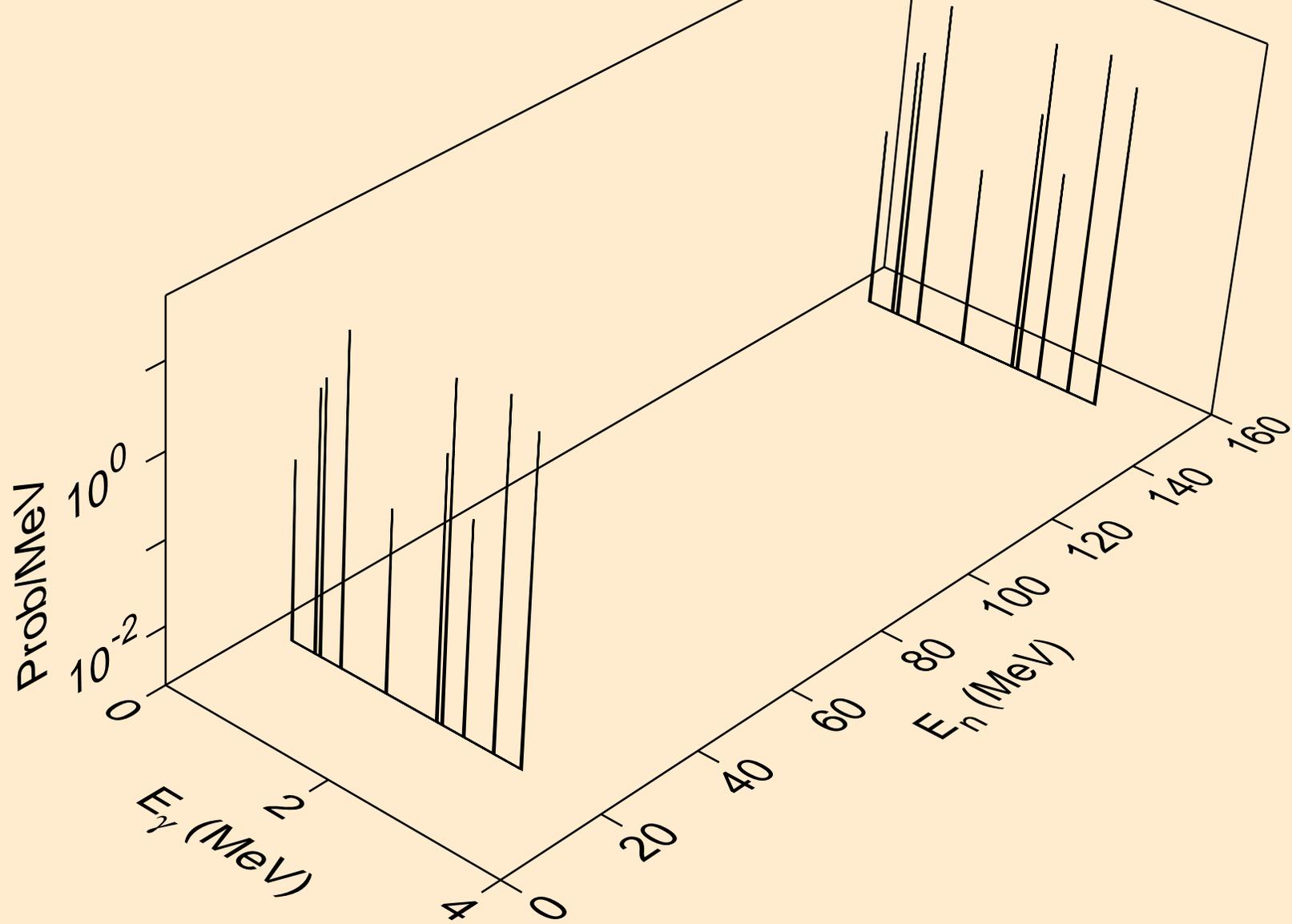
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*8)



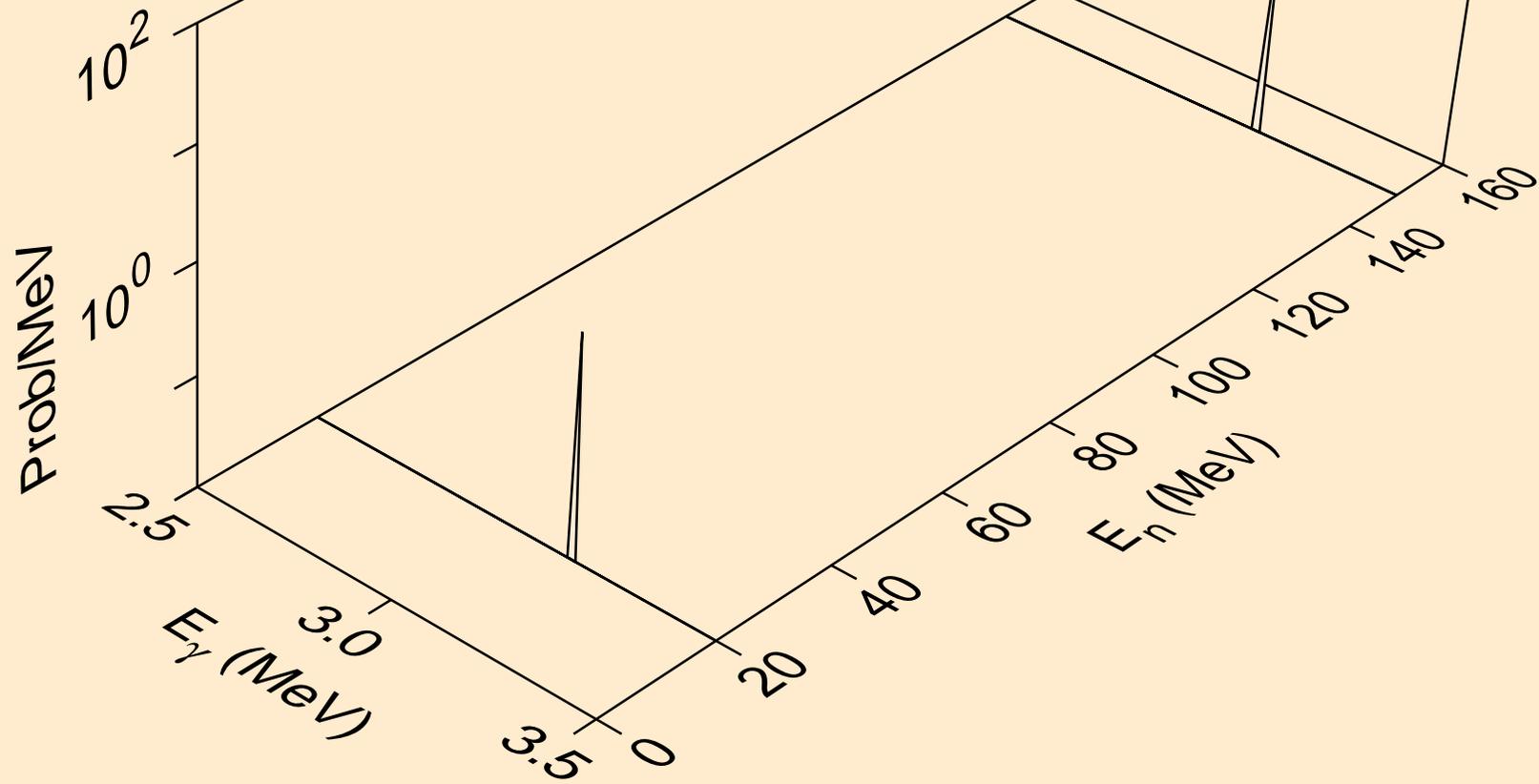
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*9)



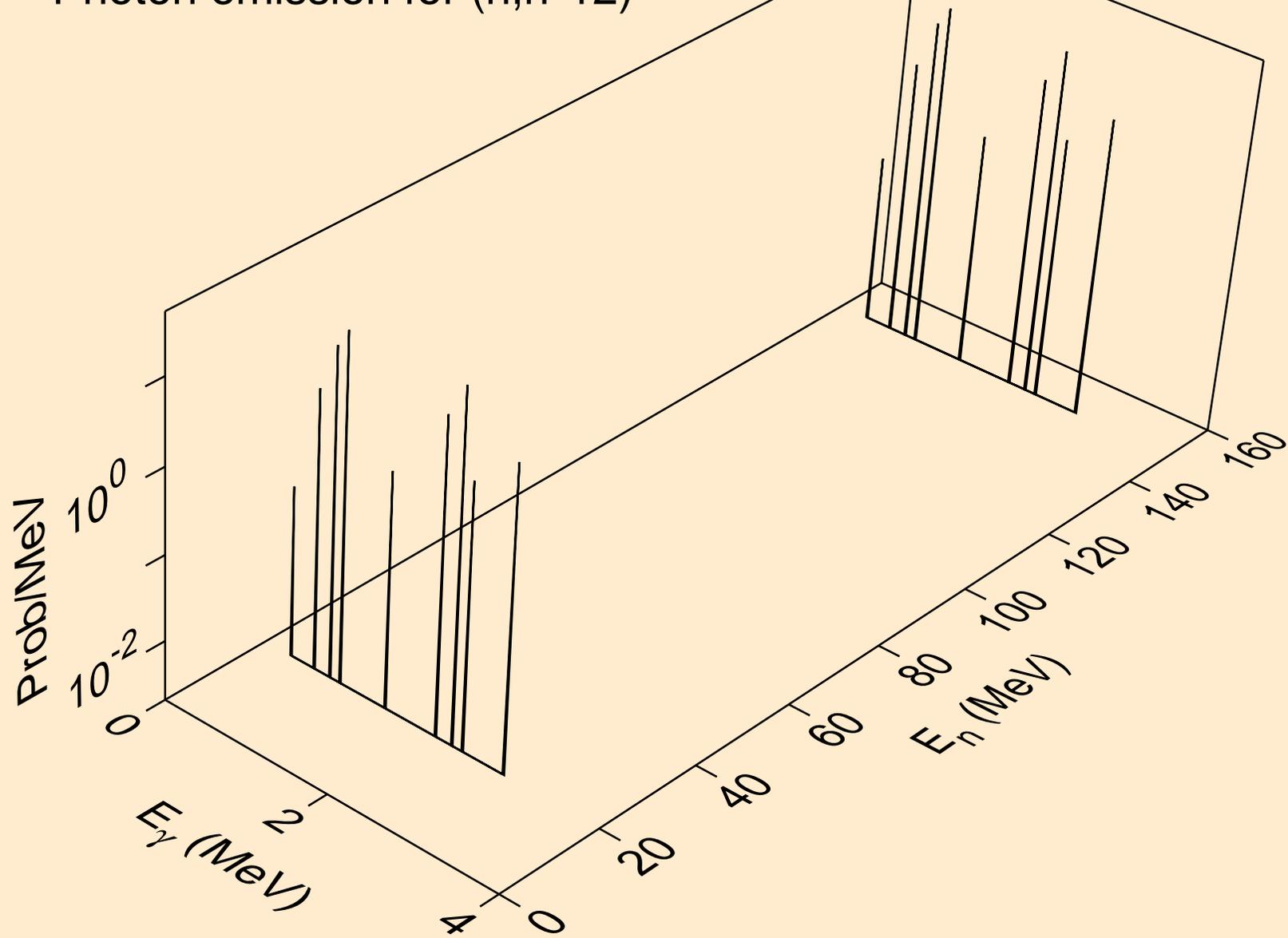
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*10)



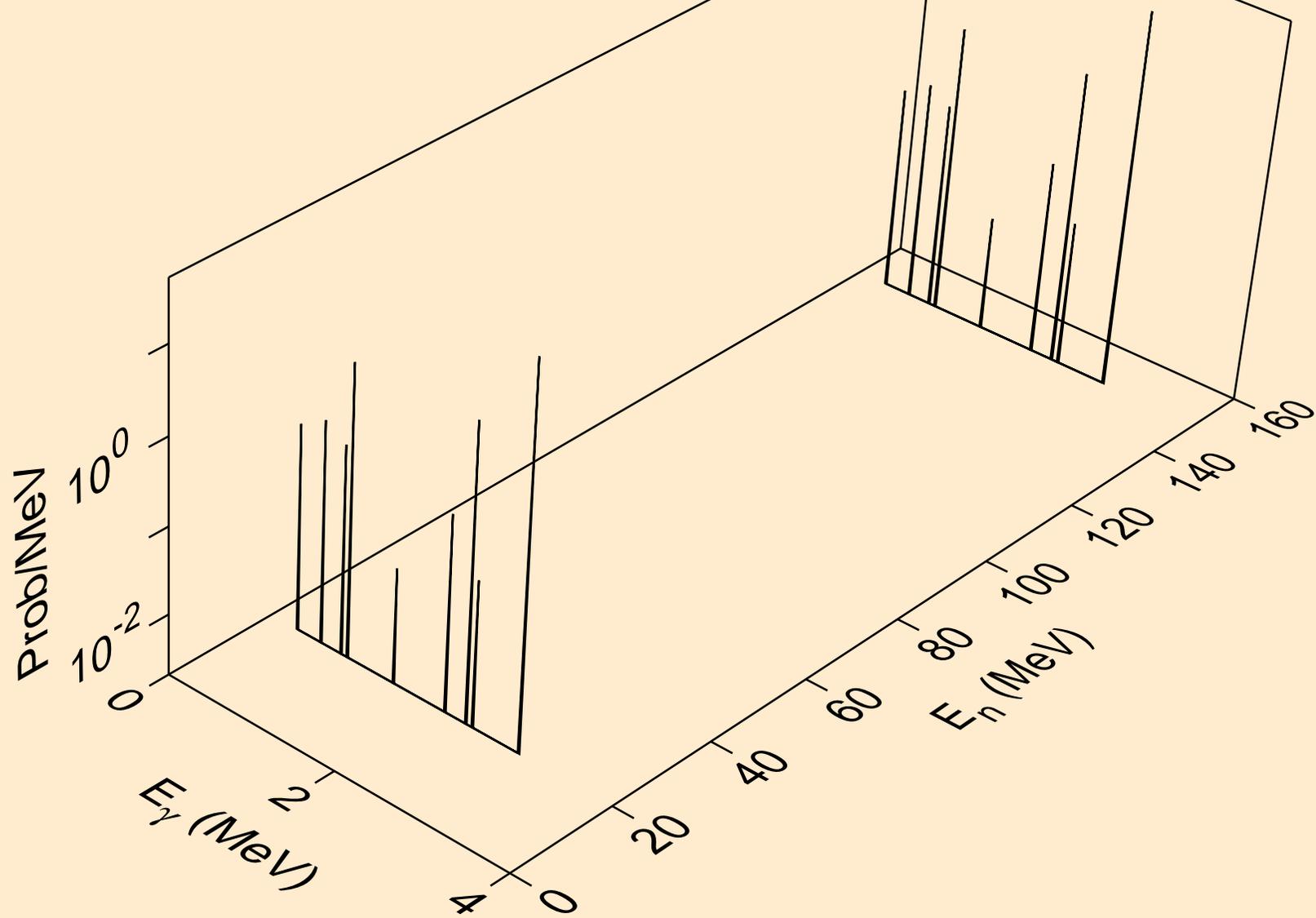
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*11)



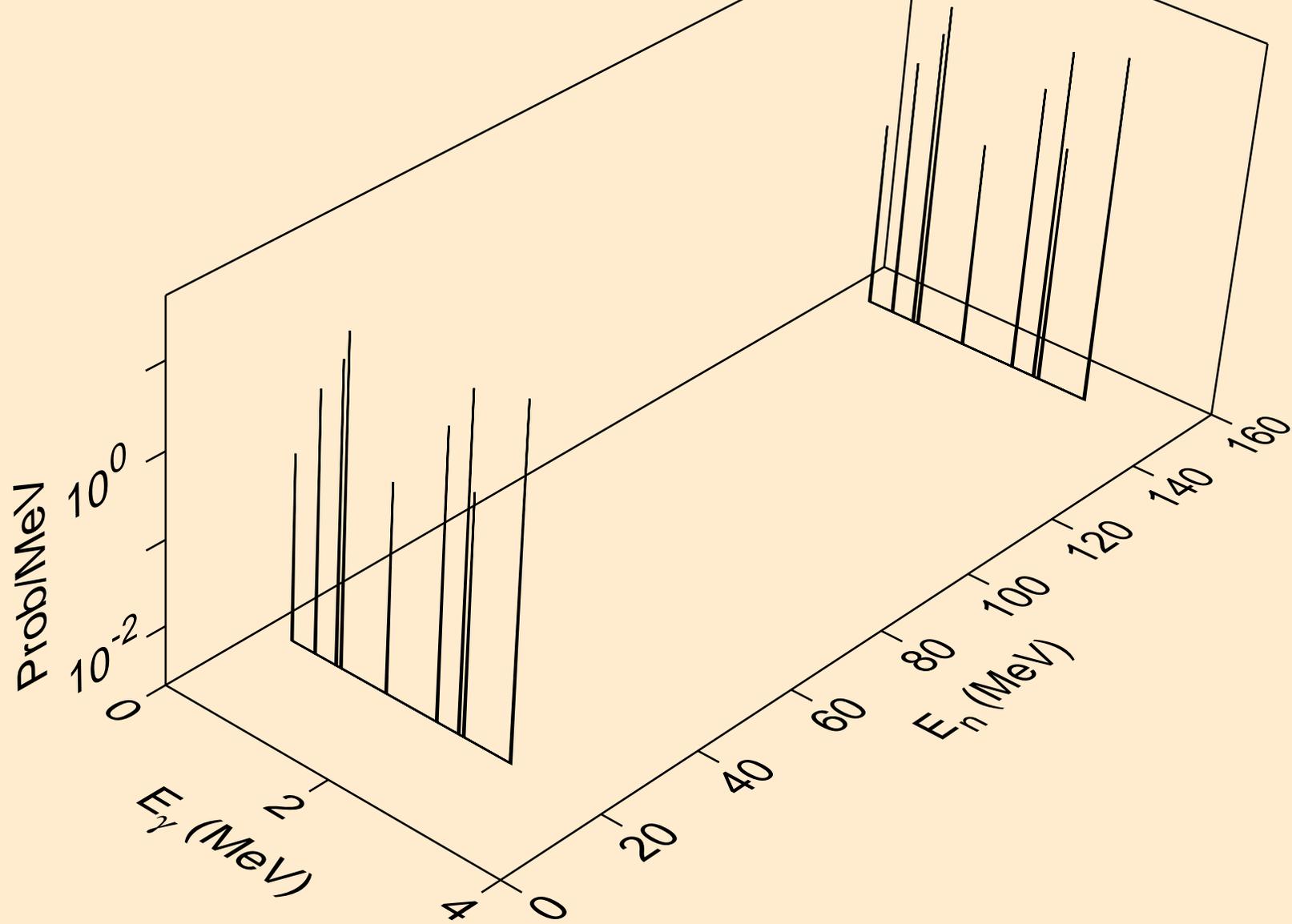
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*12)



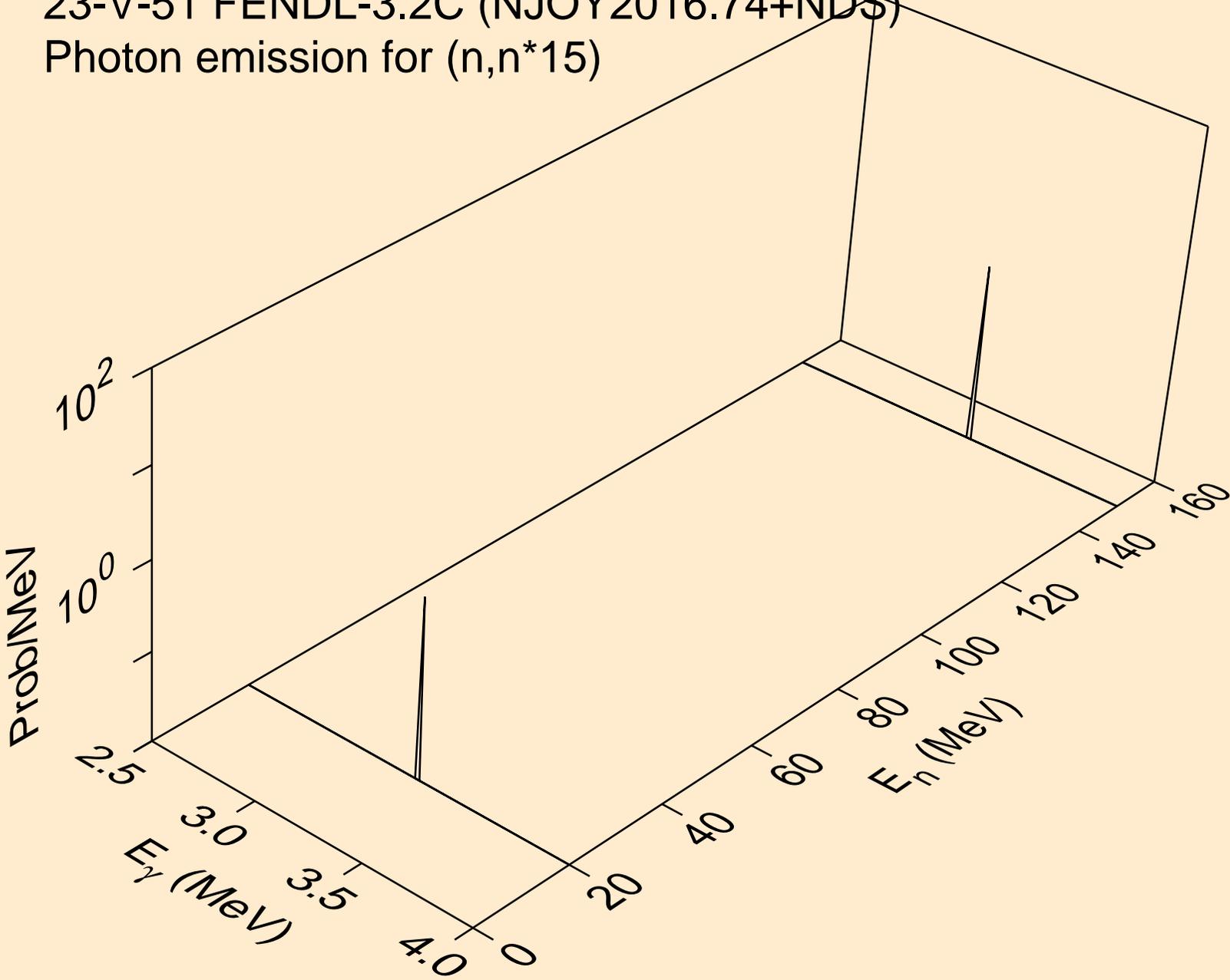
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*13)



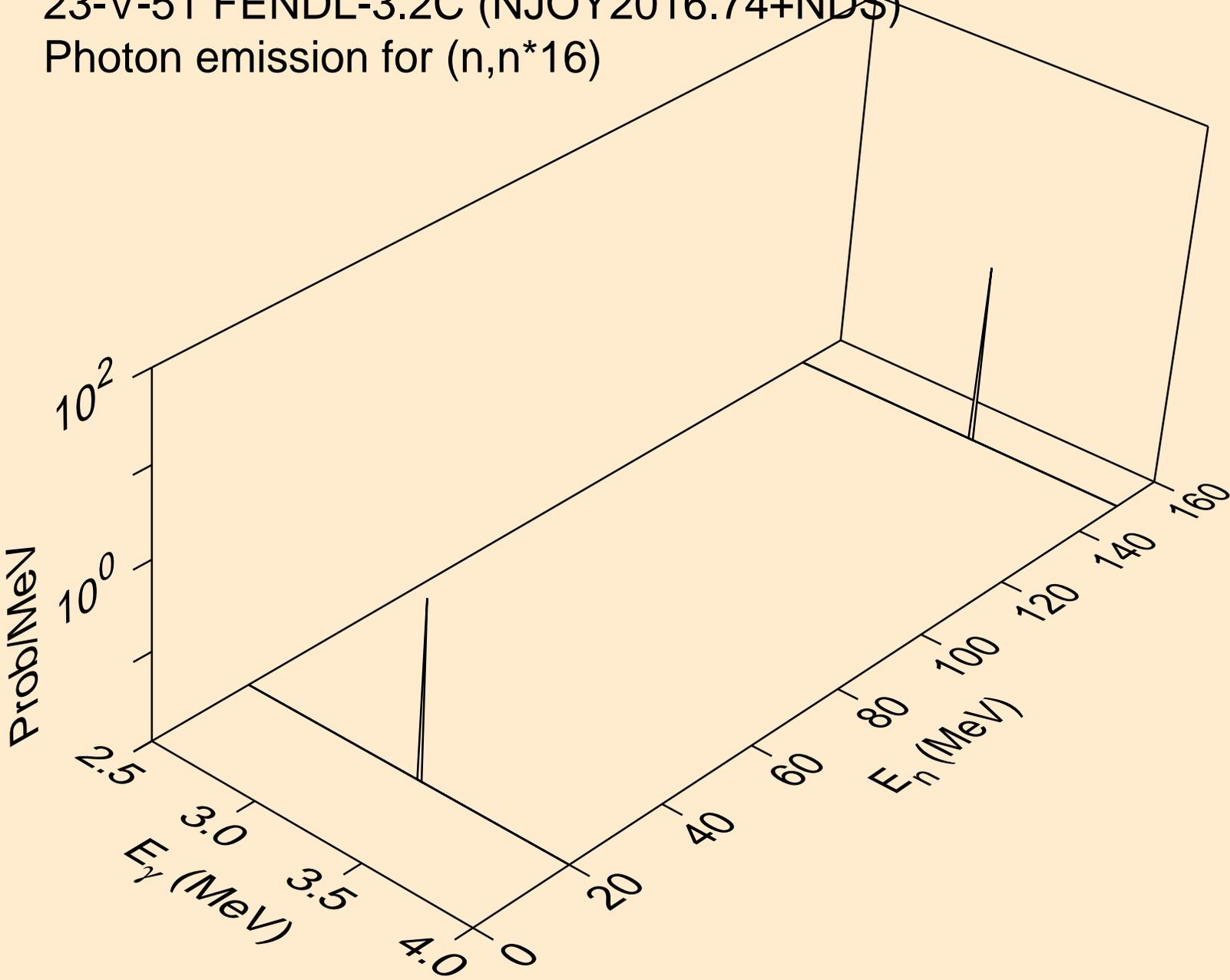
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*14)



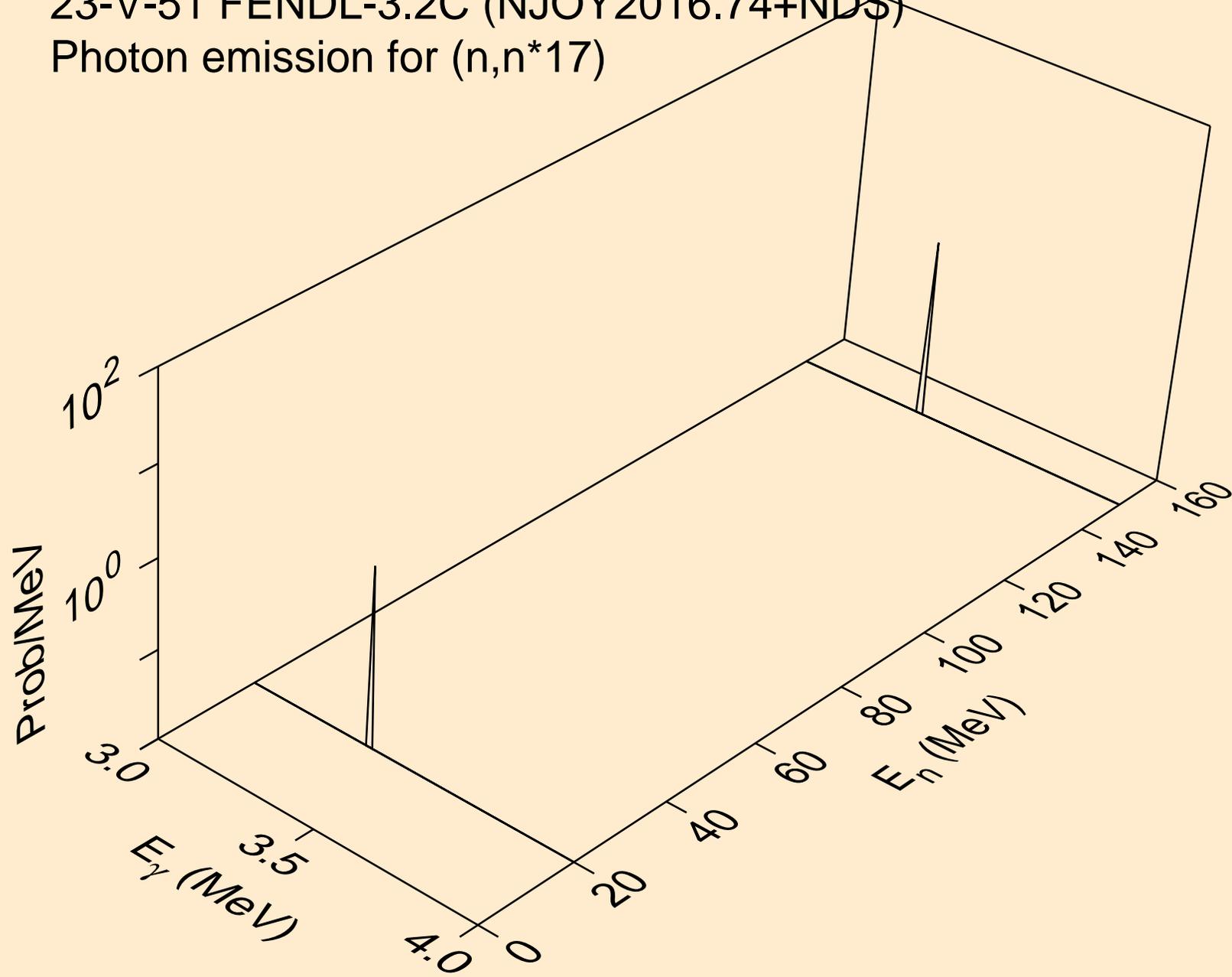
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*15)



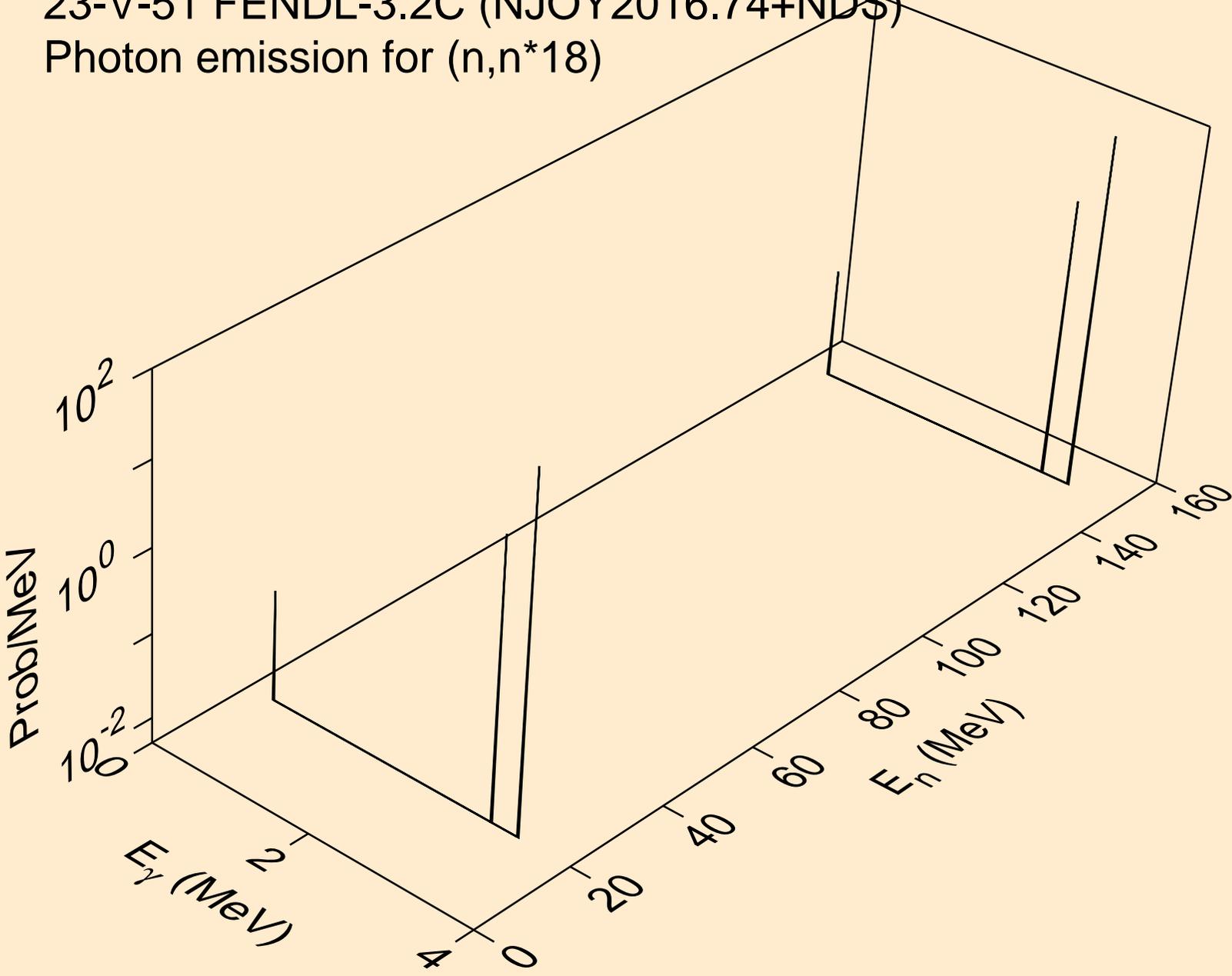
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*16)



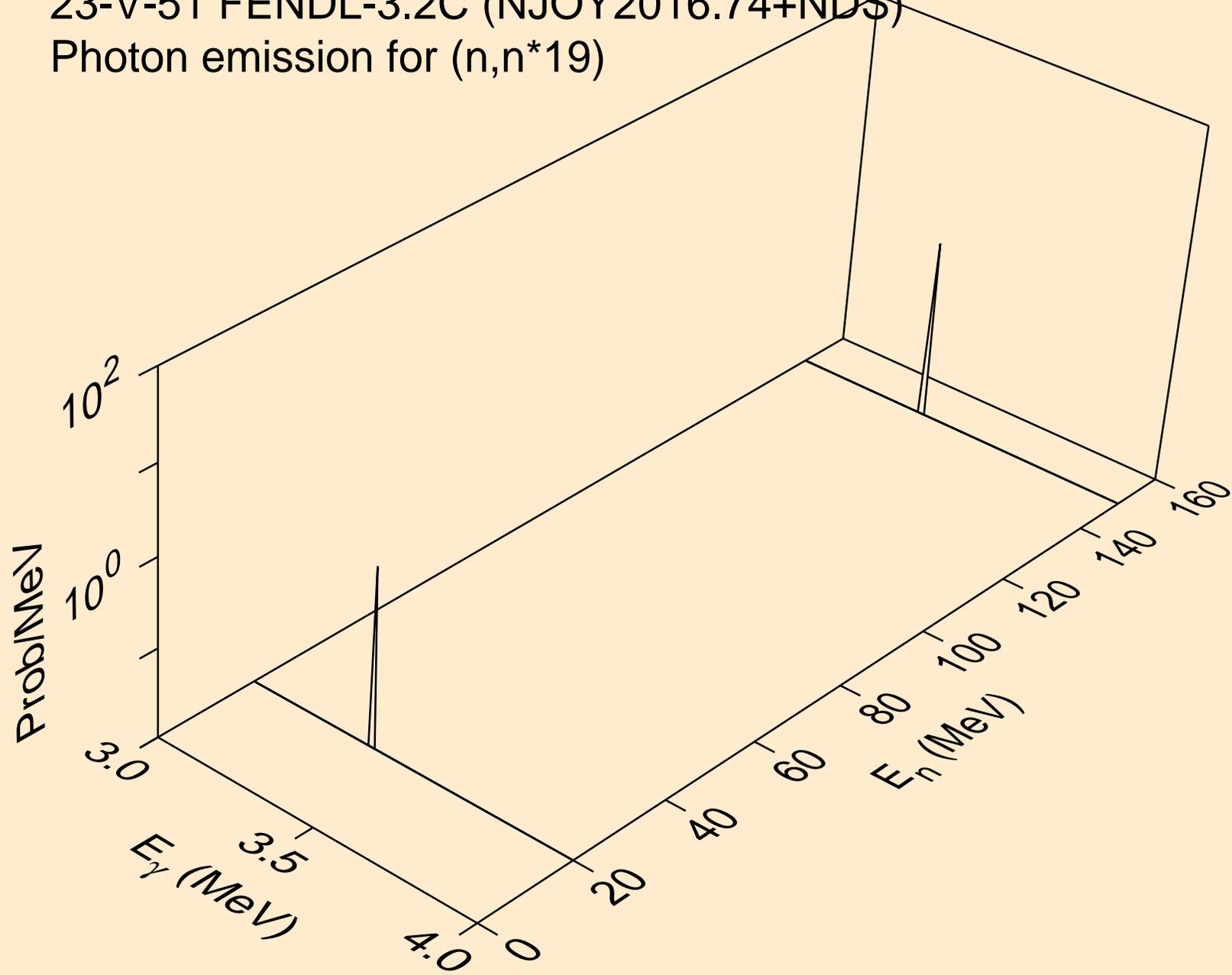
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*17)



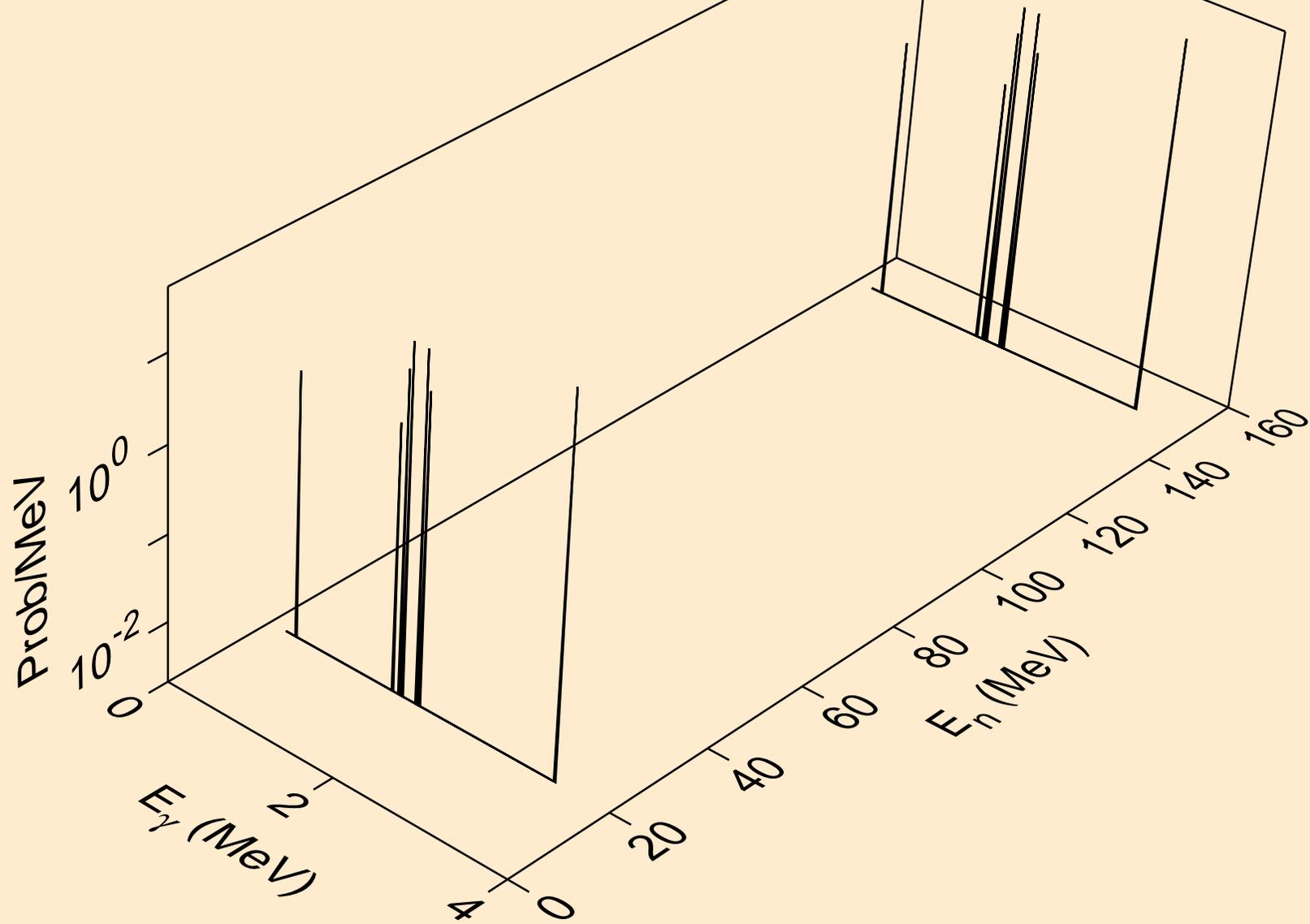
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*18)



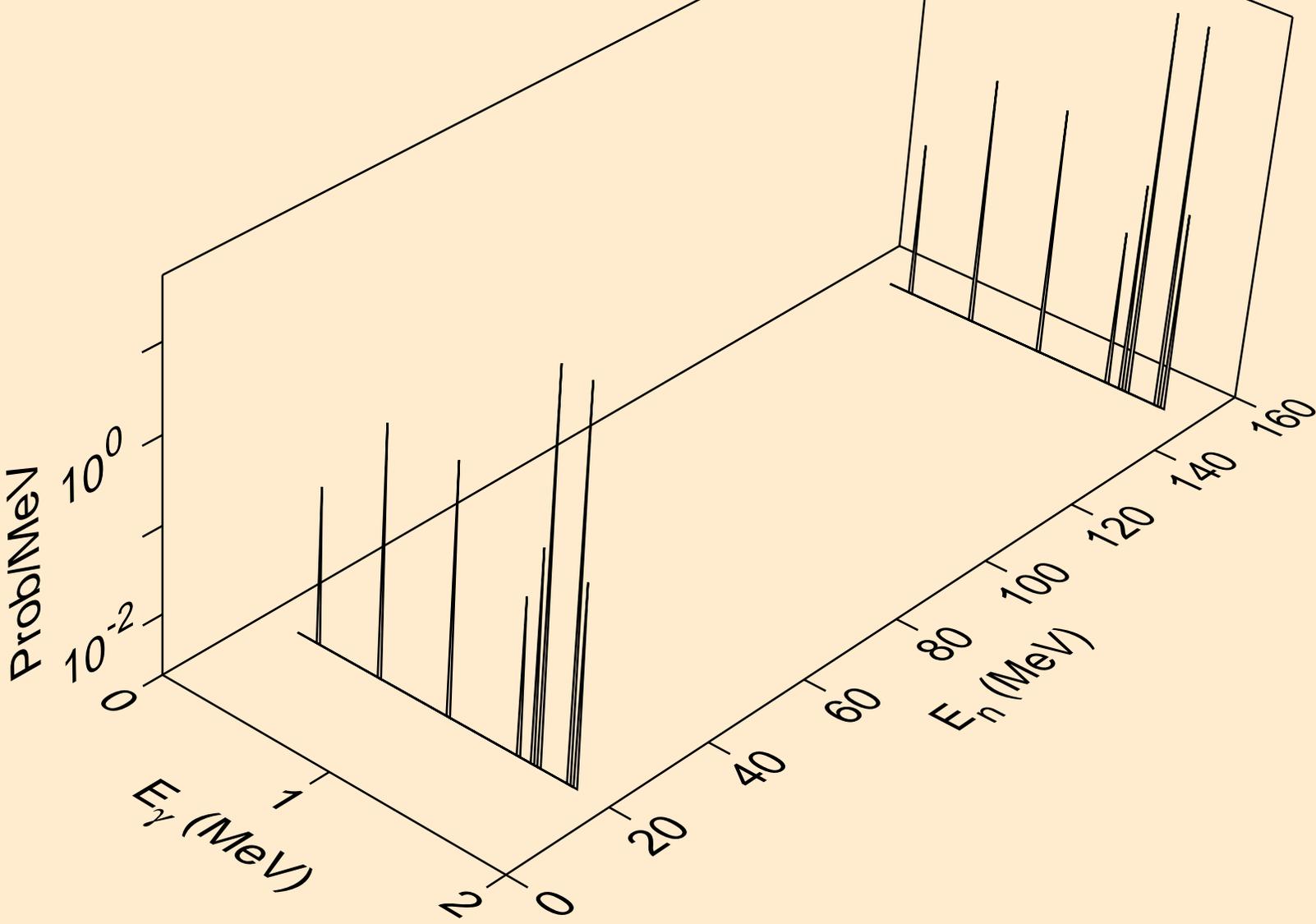
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*19)



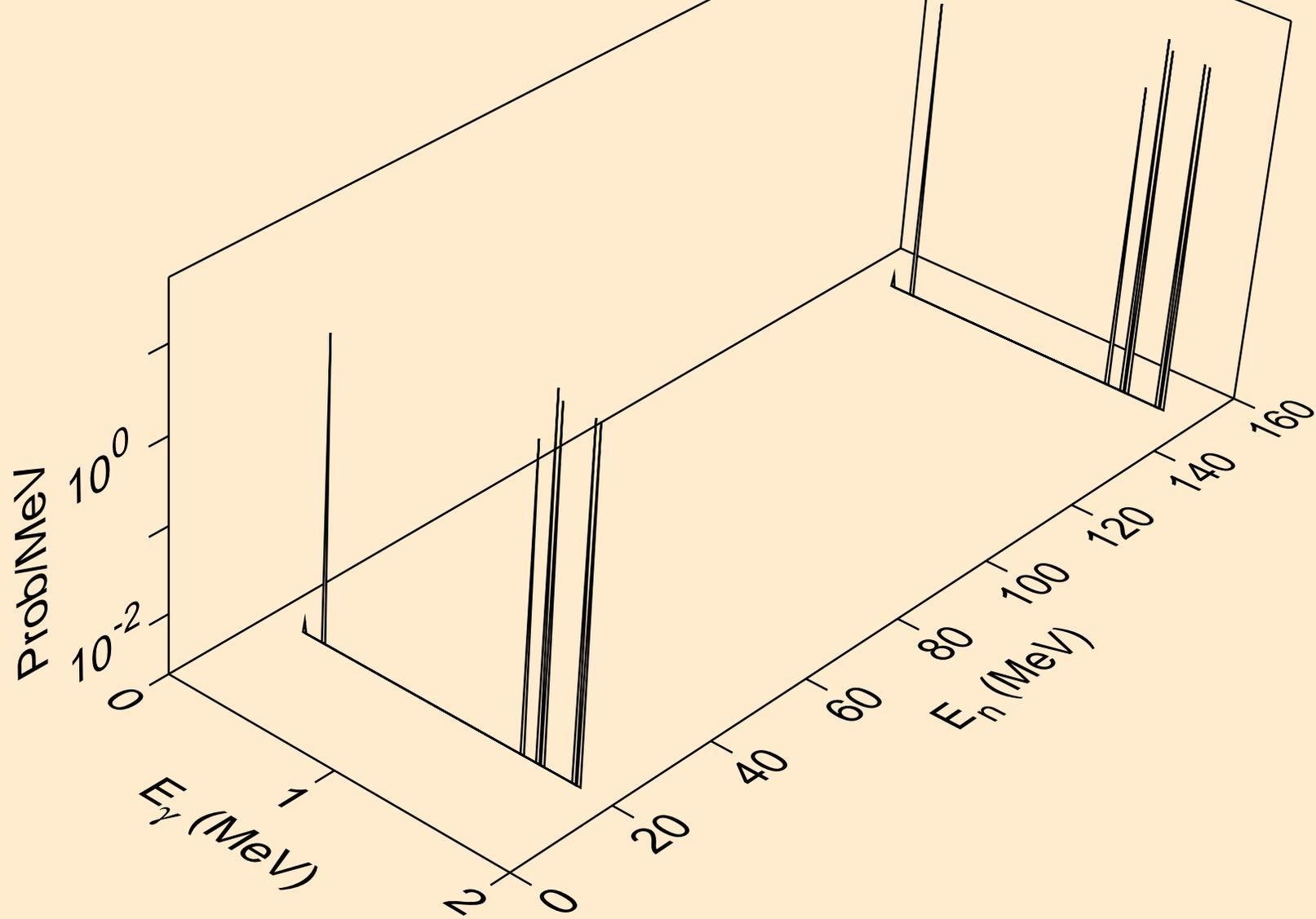
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*20)



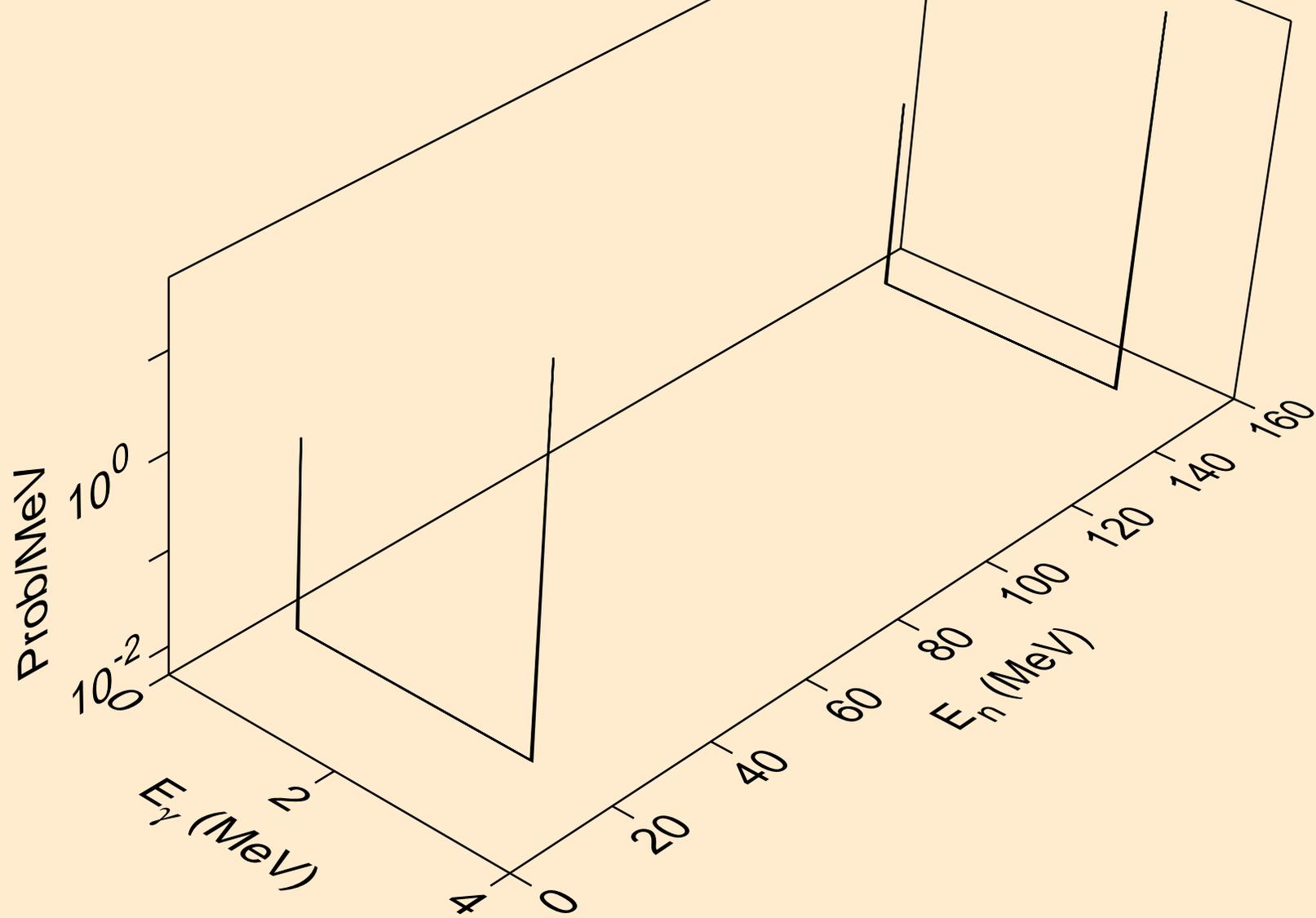
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*21)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*22)

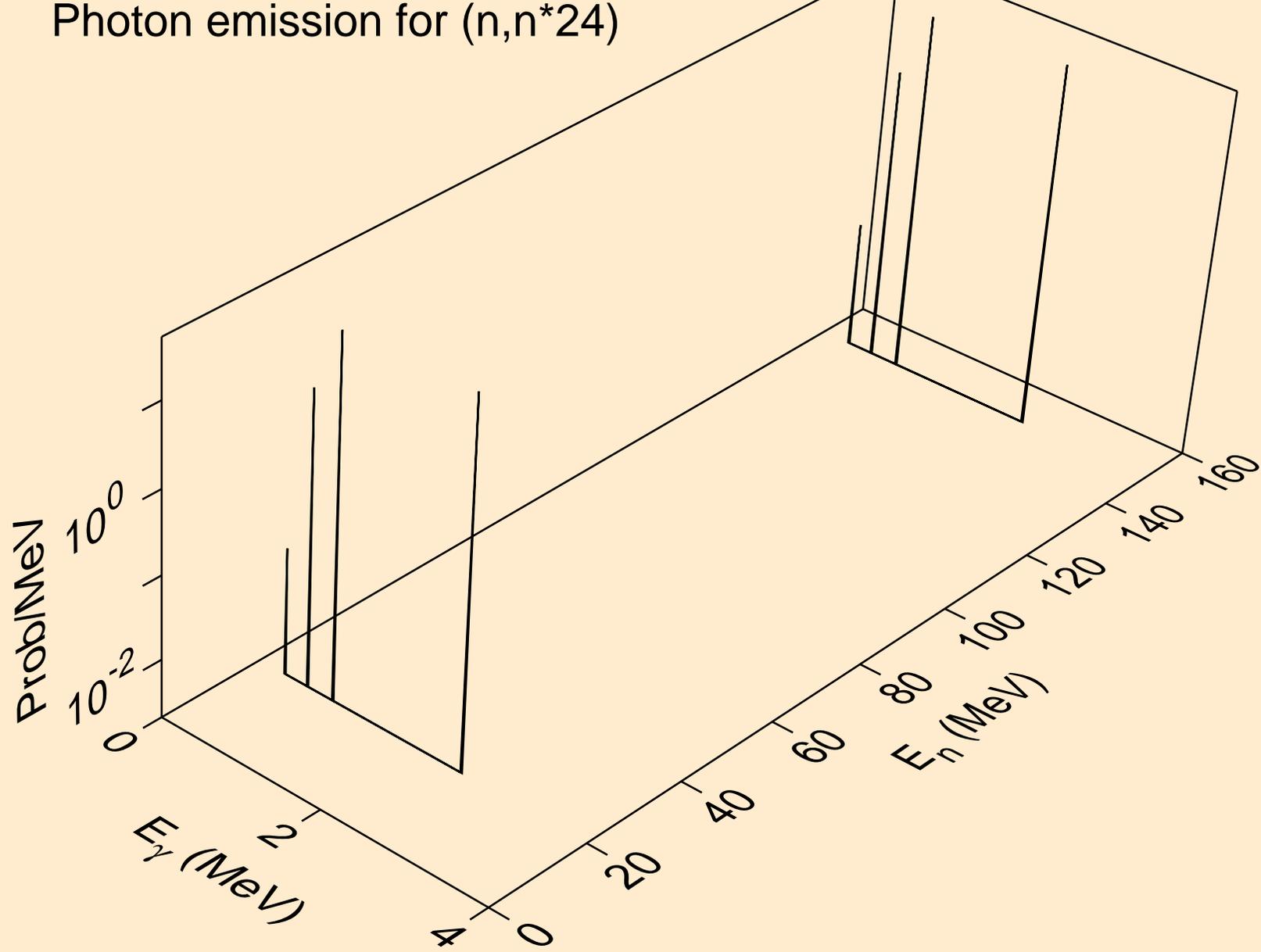


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*23)

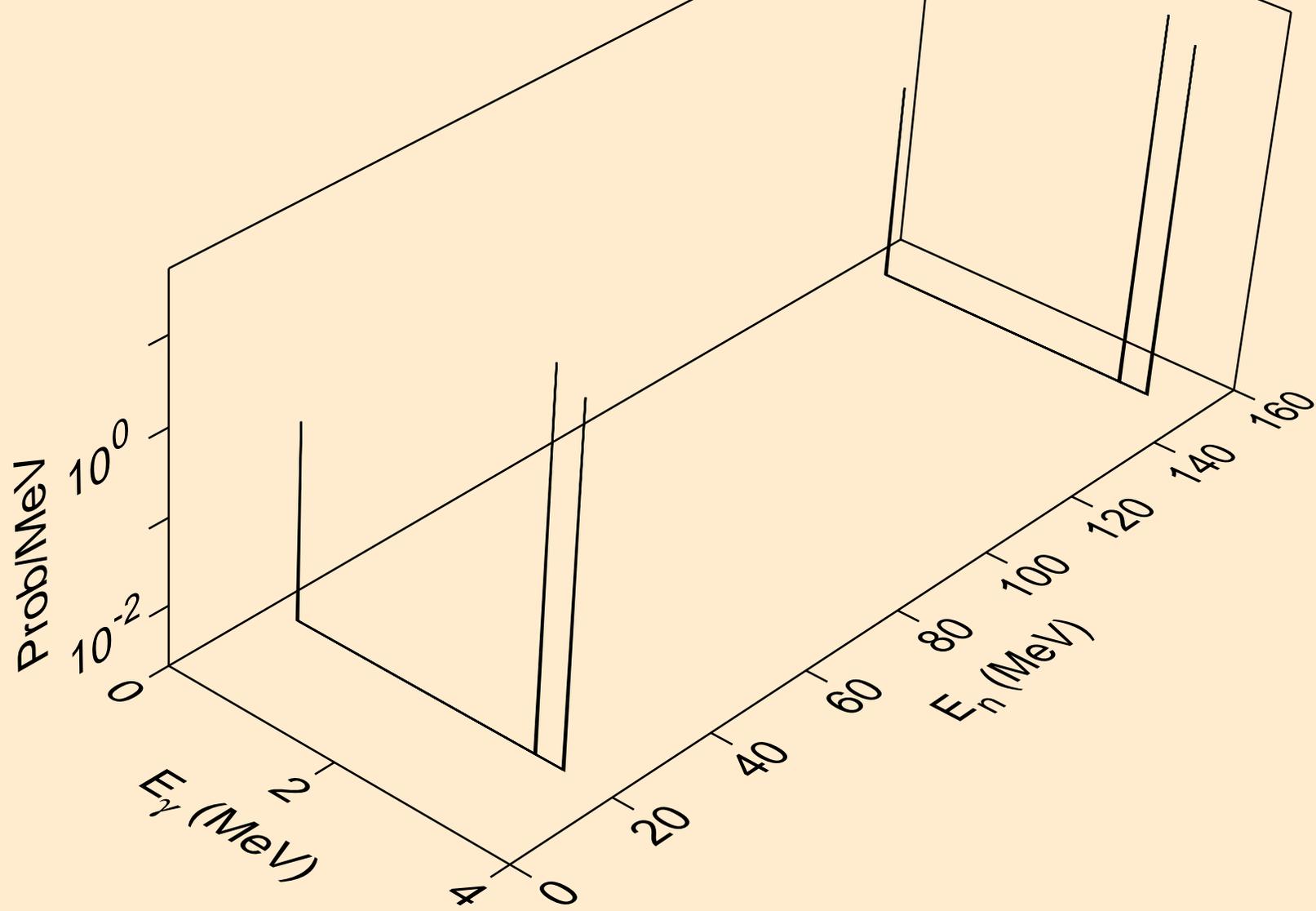


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

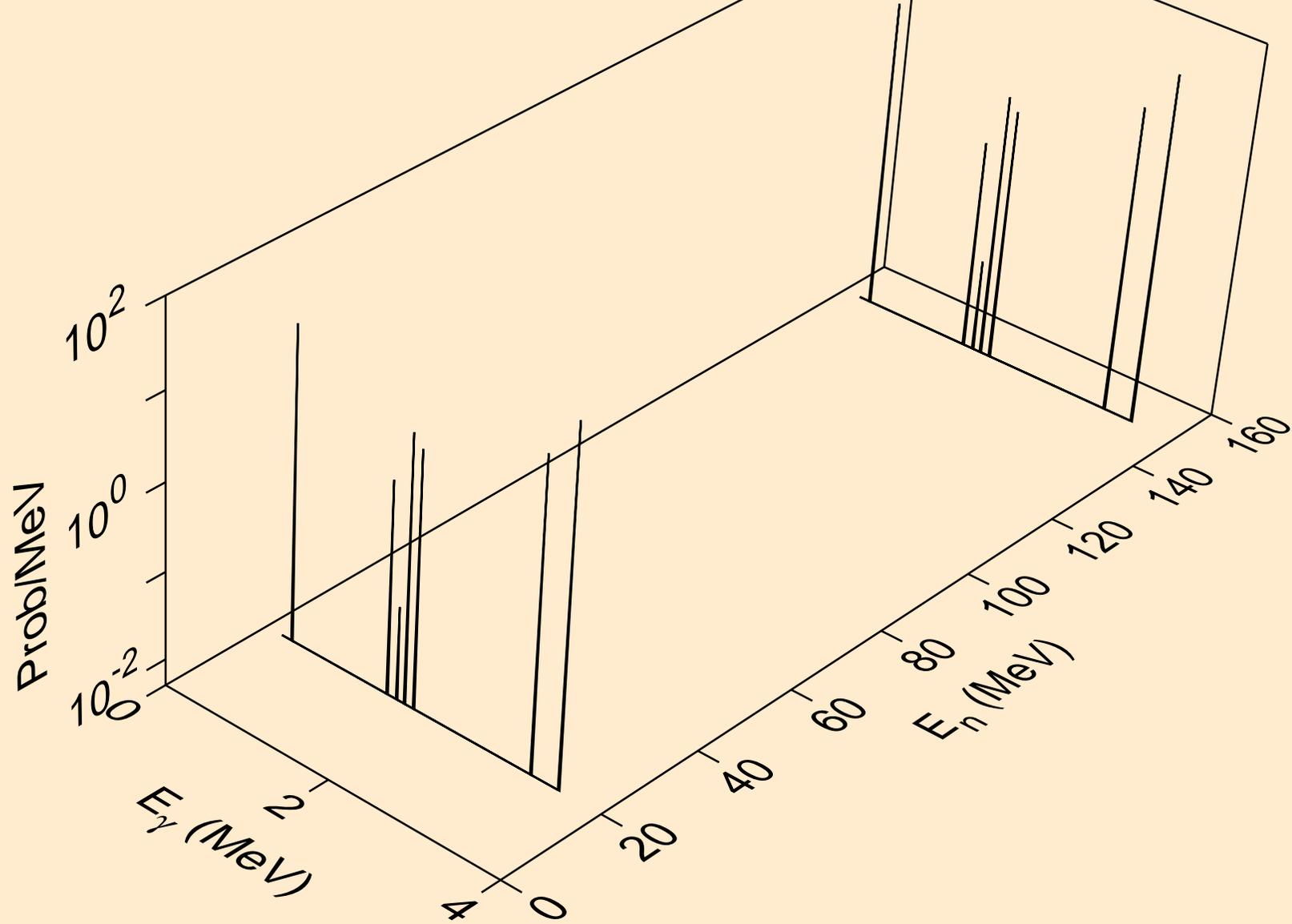
Photon emission for (n,n\*24)



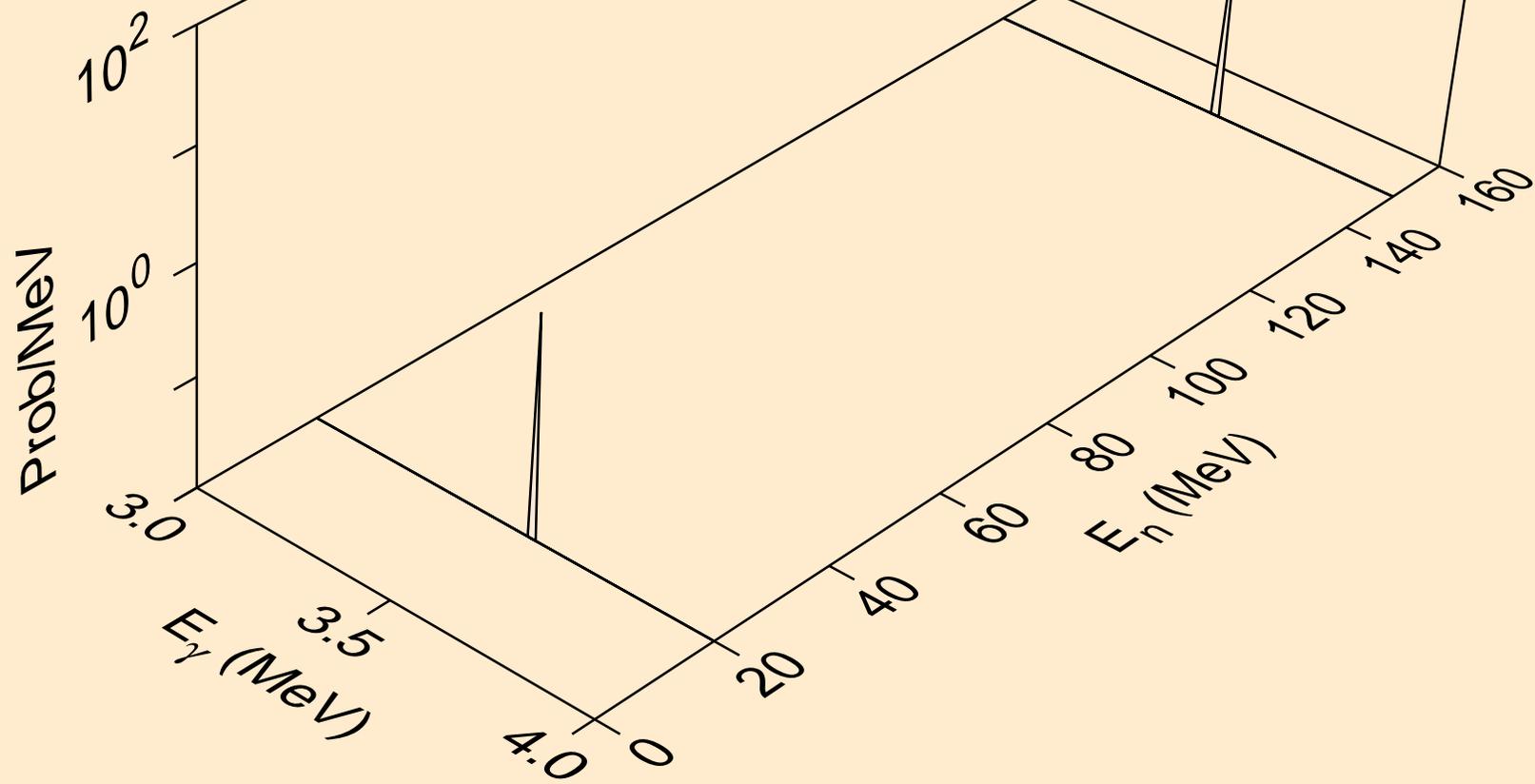
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*25)



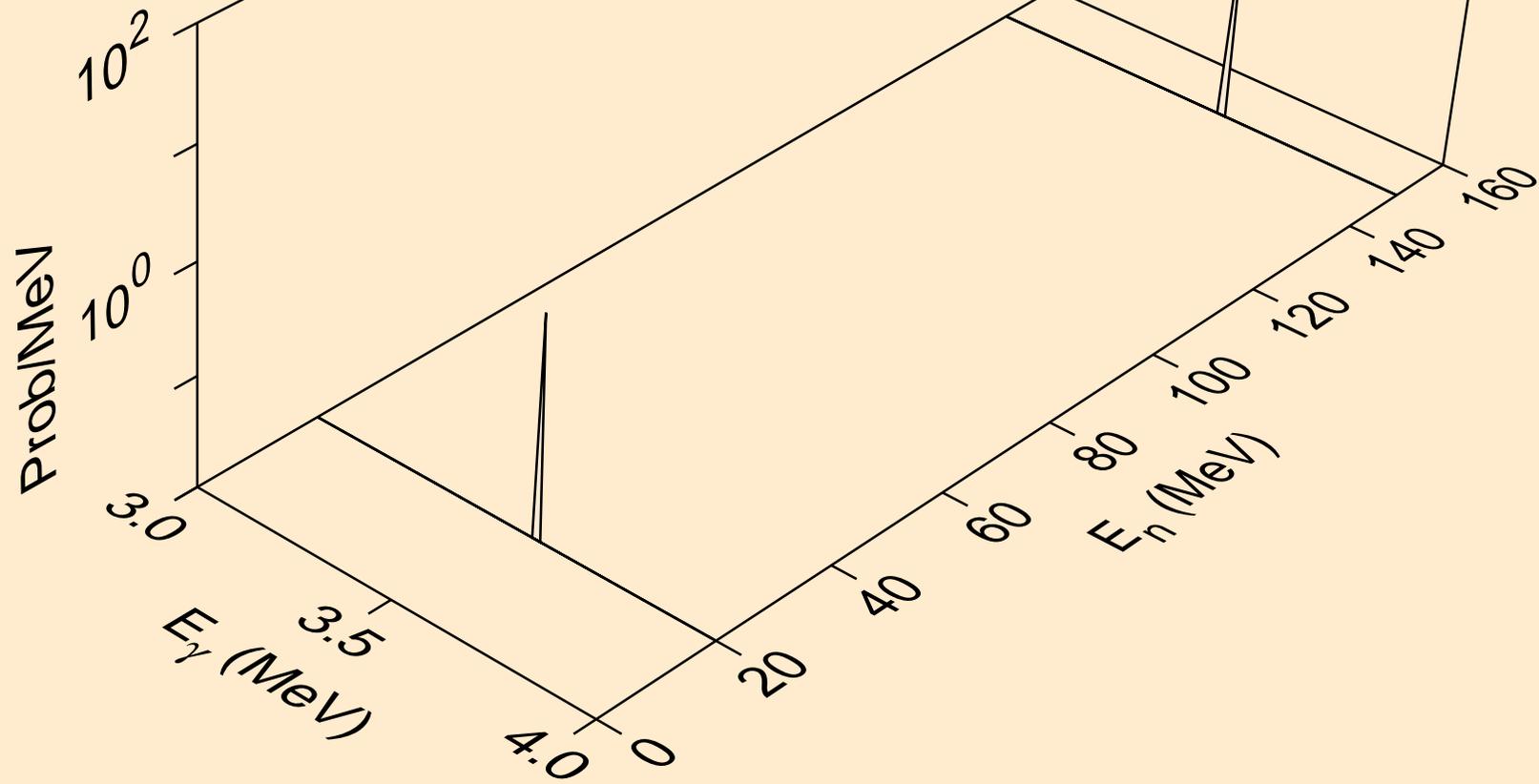
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*26)



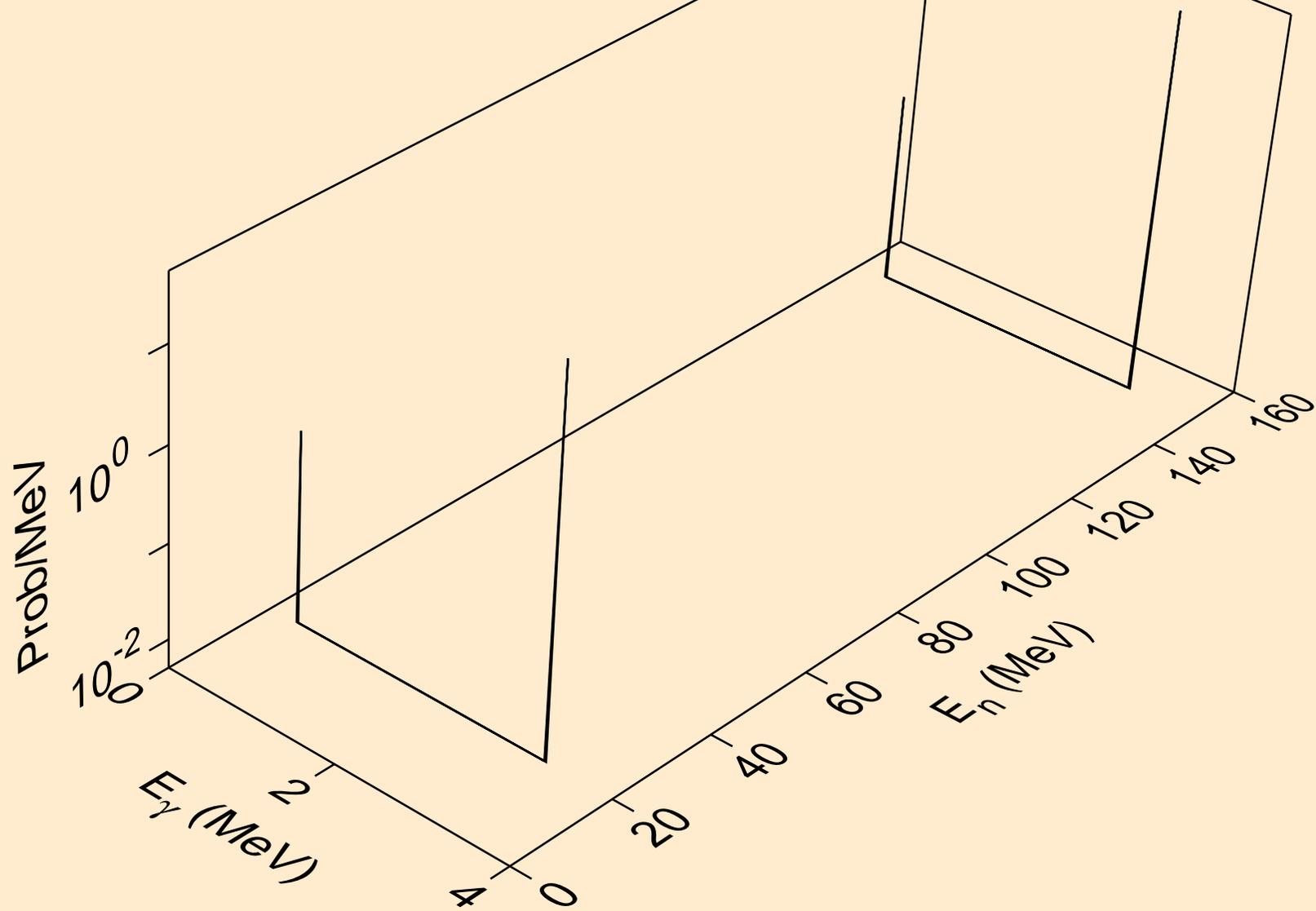
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*27)



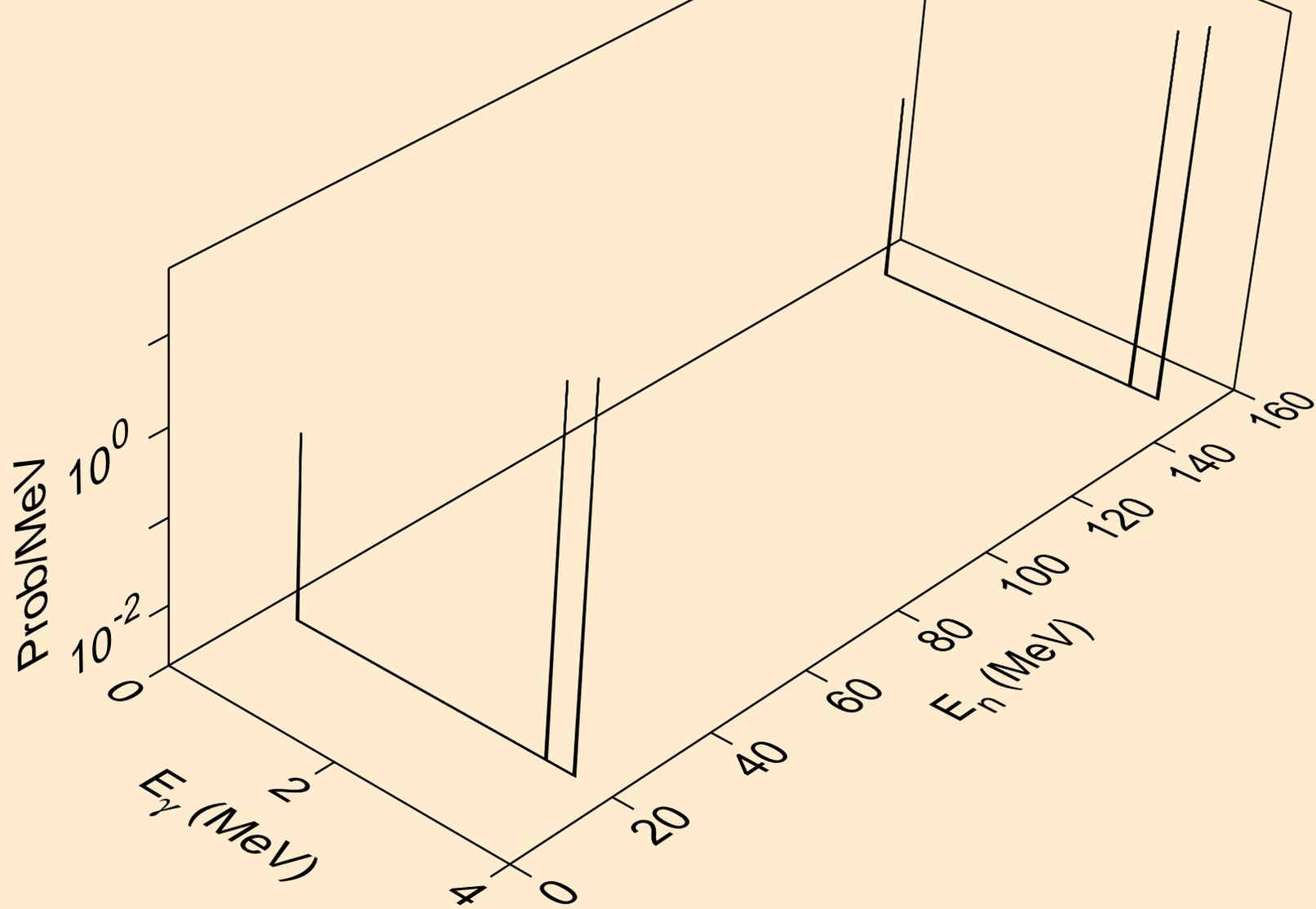
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*28)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*29)

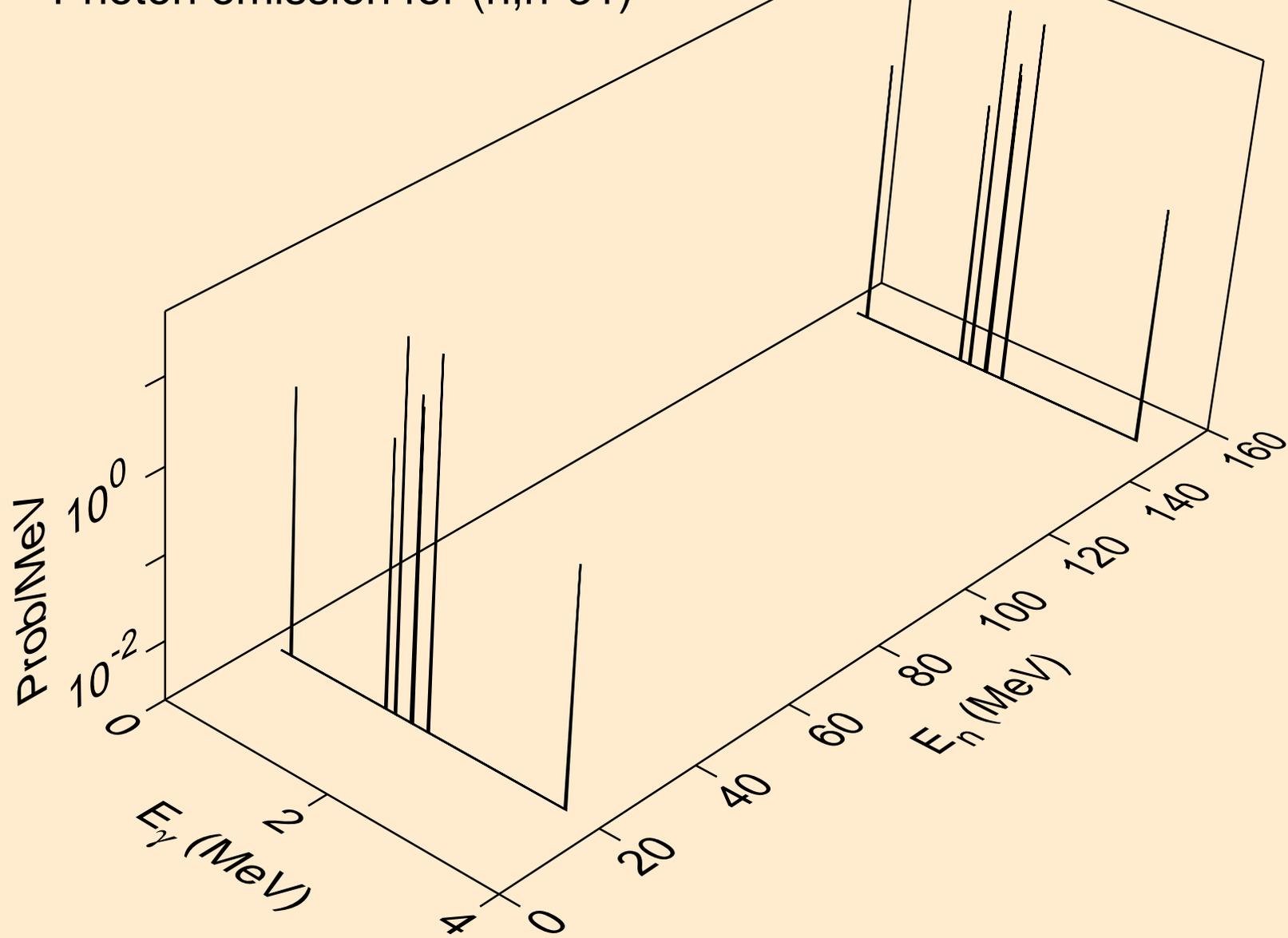


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*30)

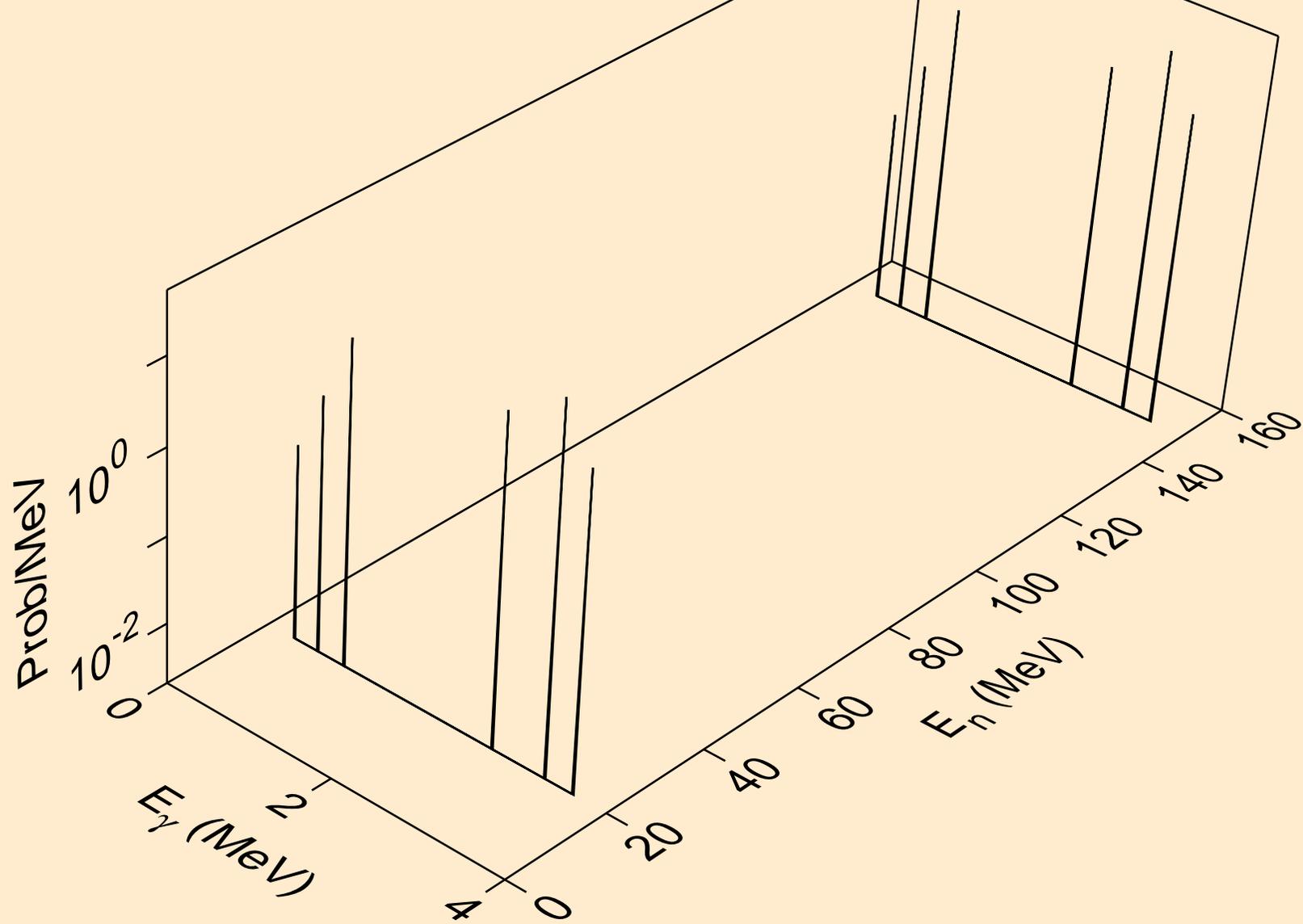


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

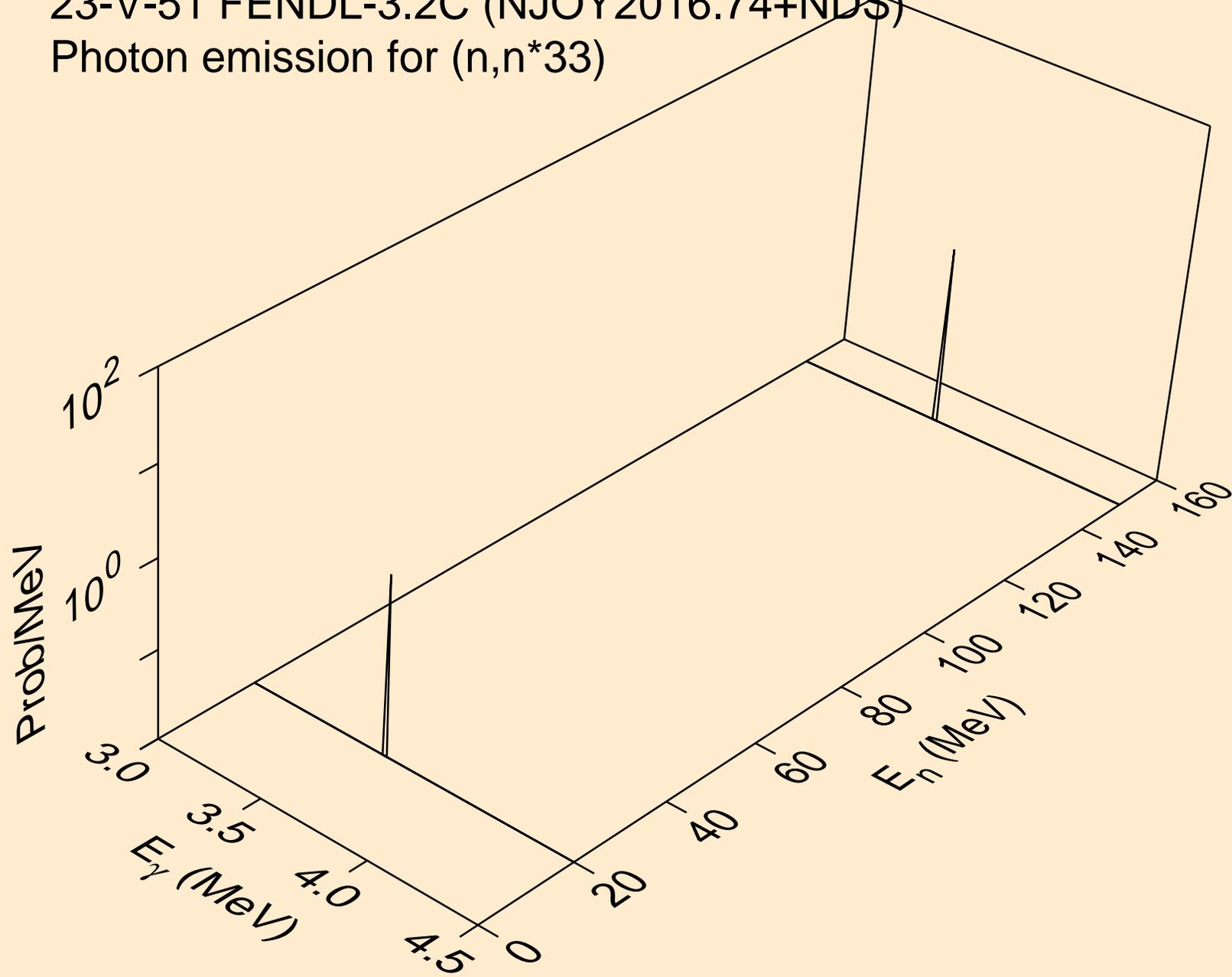
Photon emission for (n,n\*31)



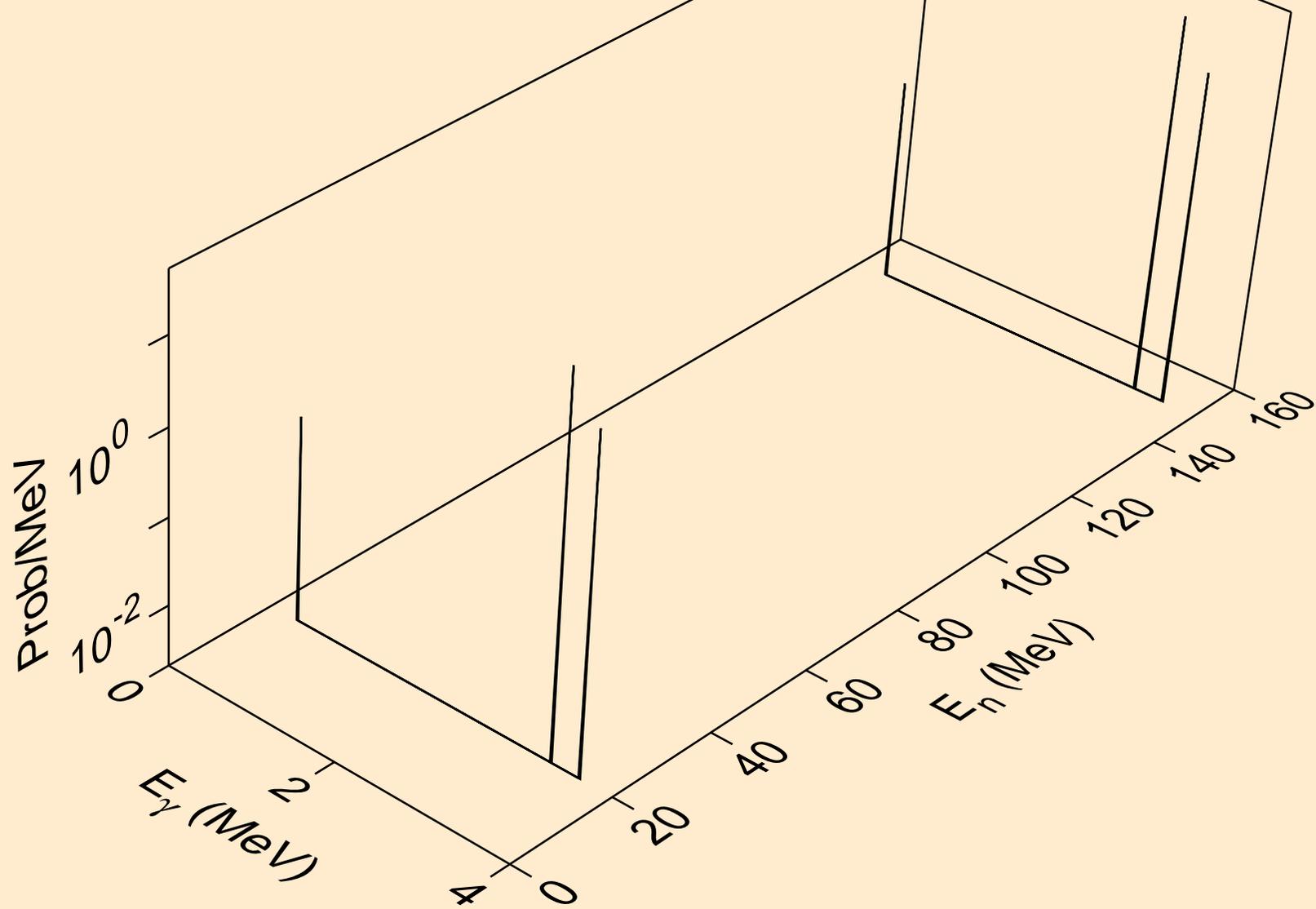
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*32)



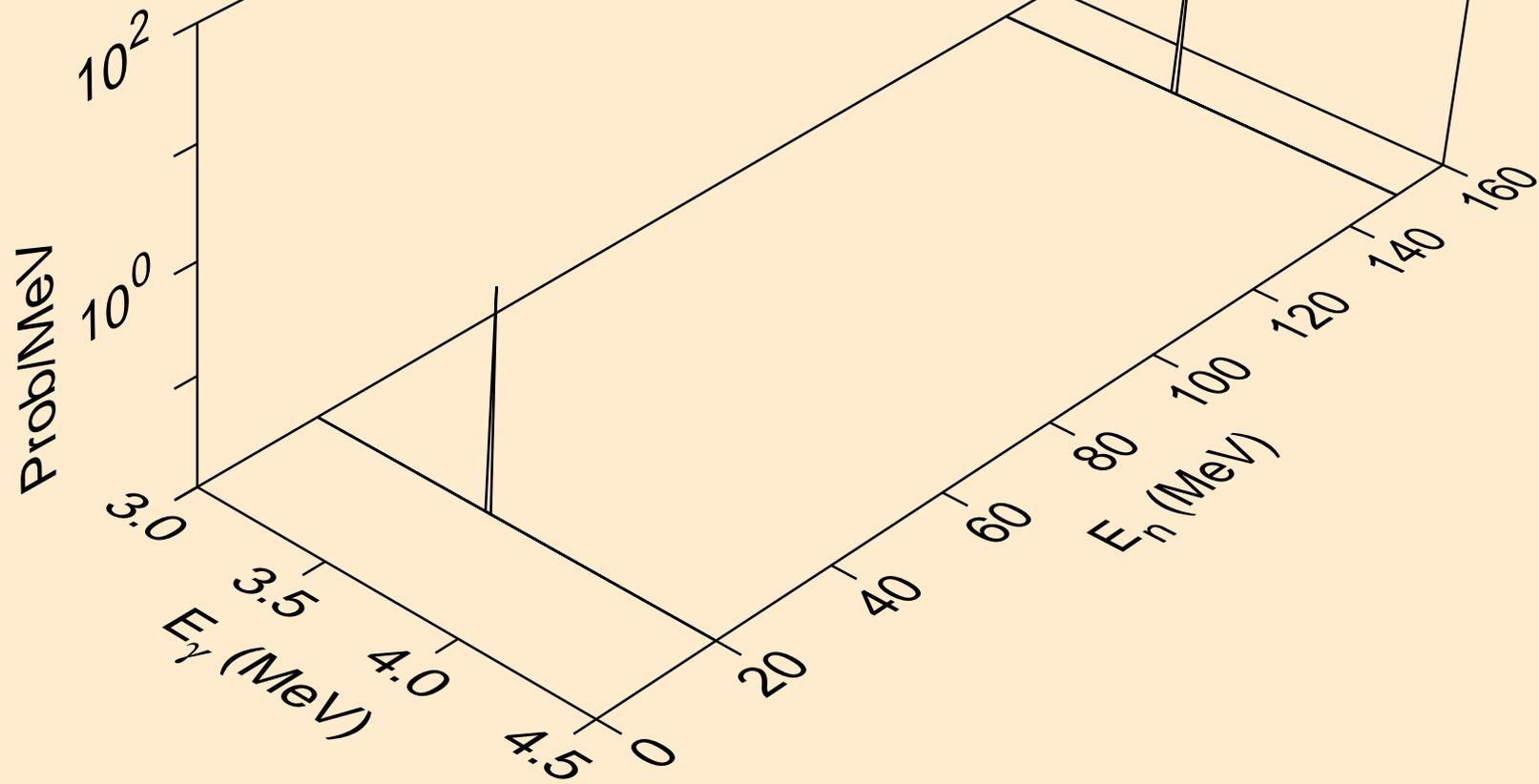
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*33)



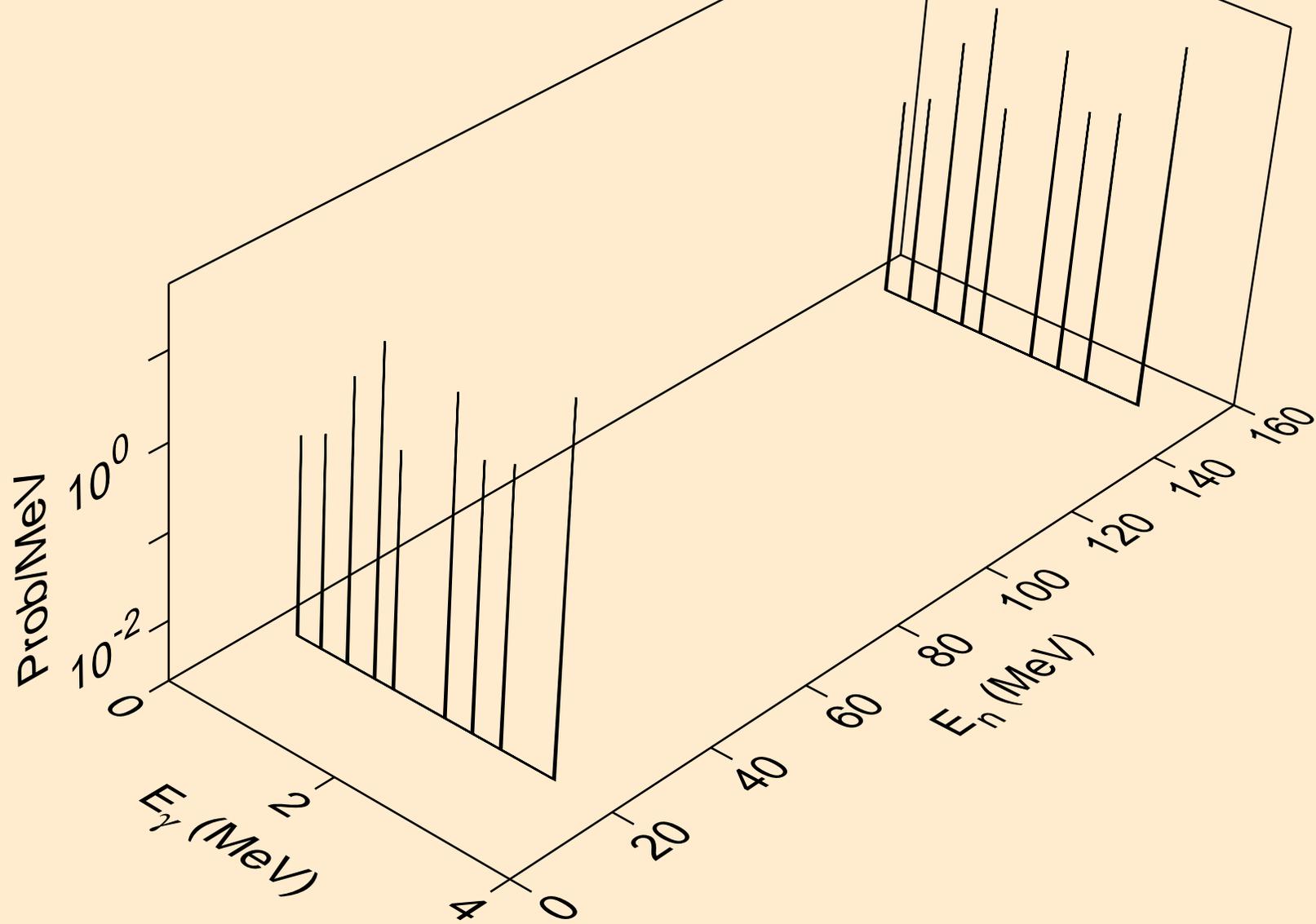
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*34)



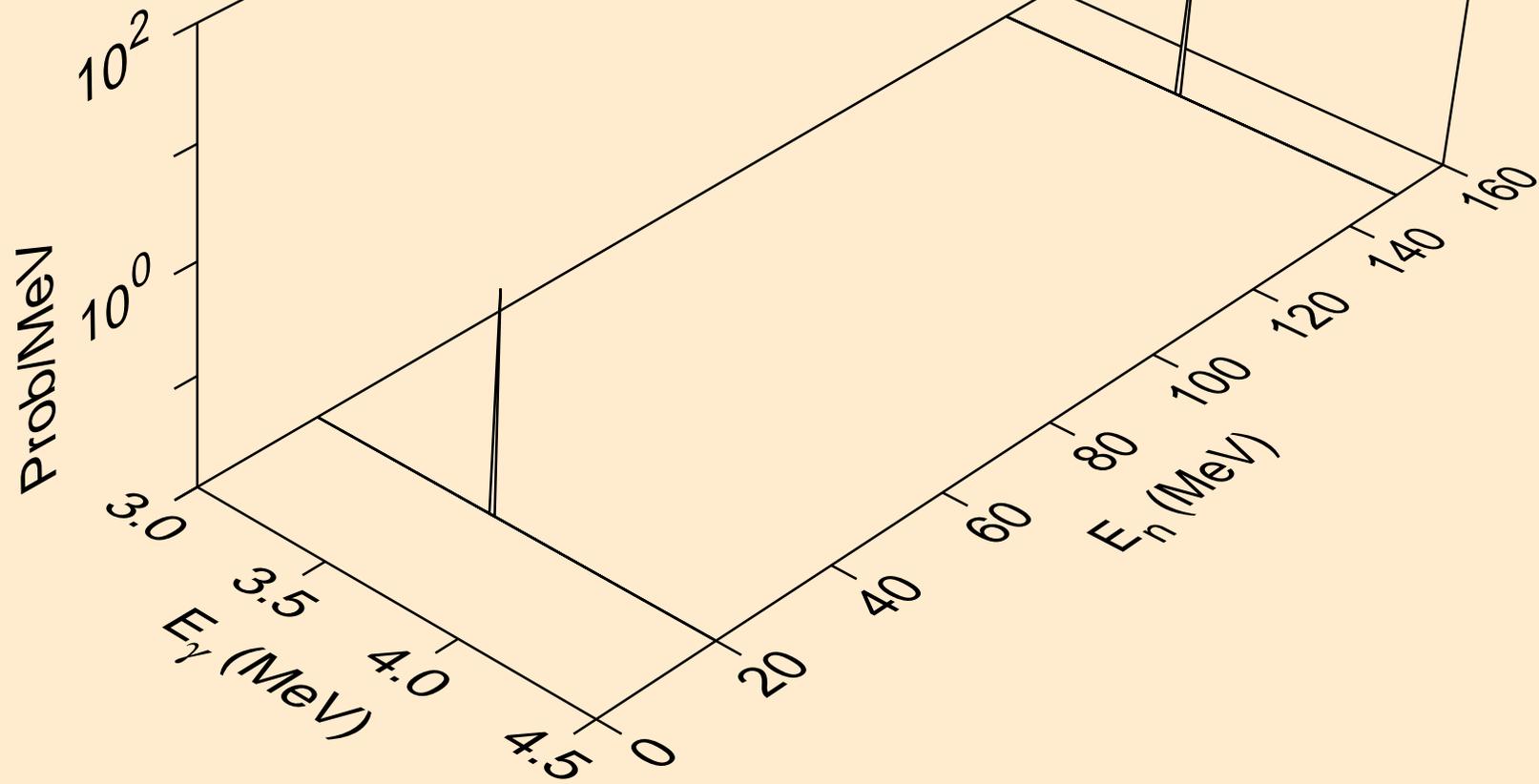
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*35)



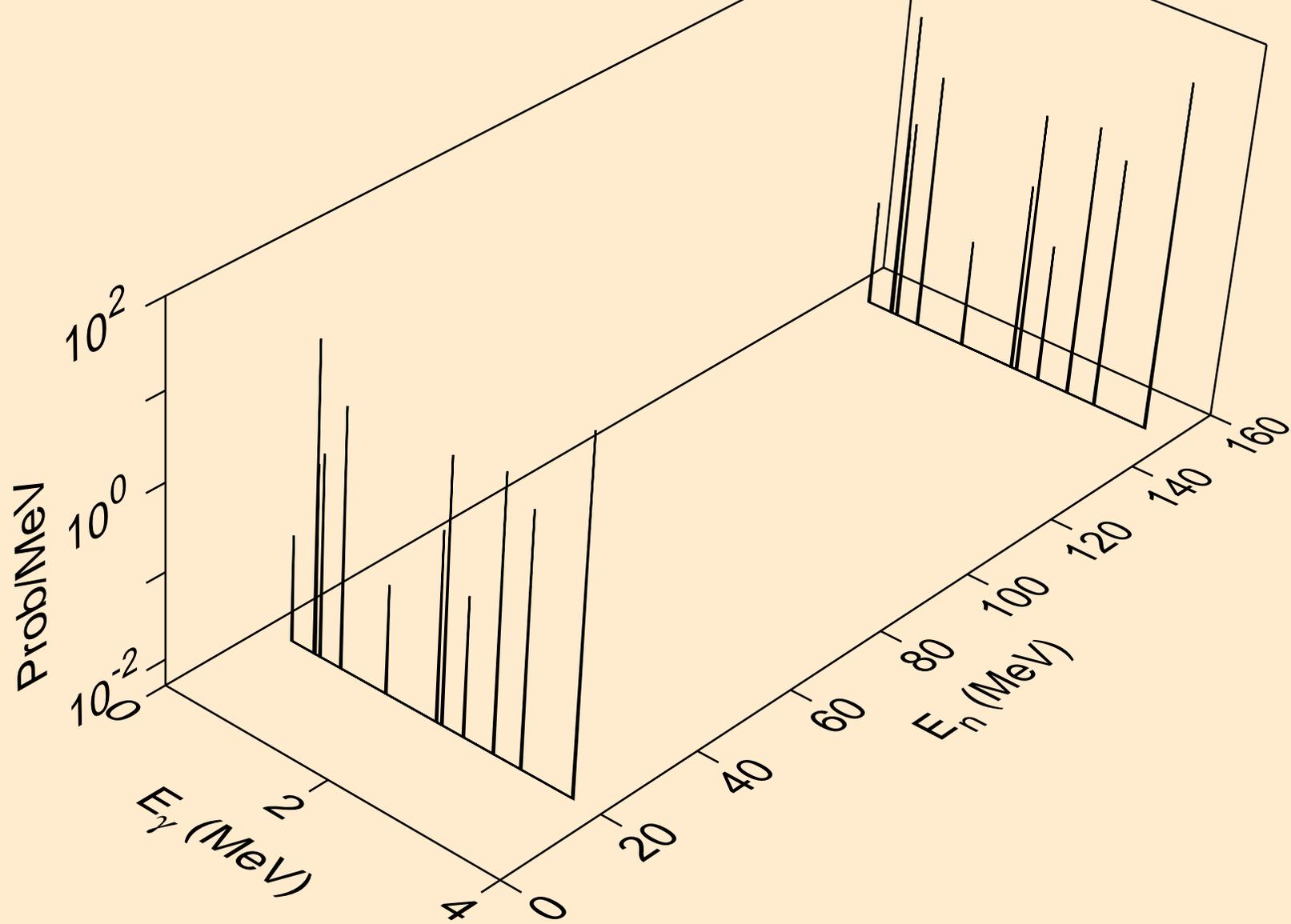
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*36)



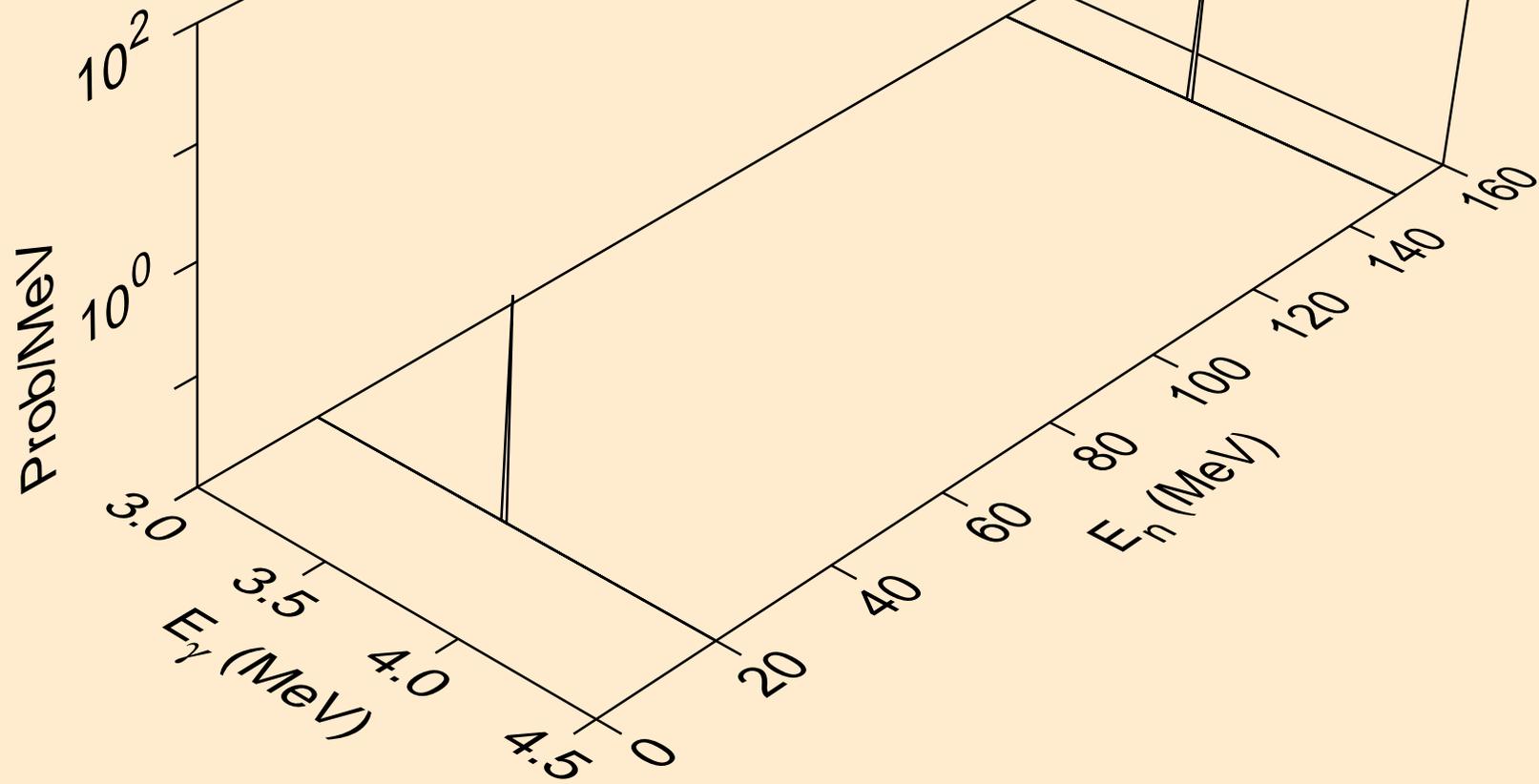
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*37)



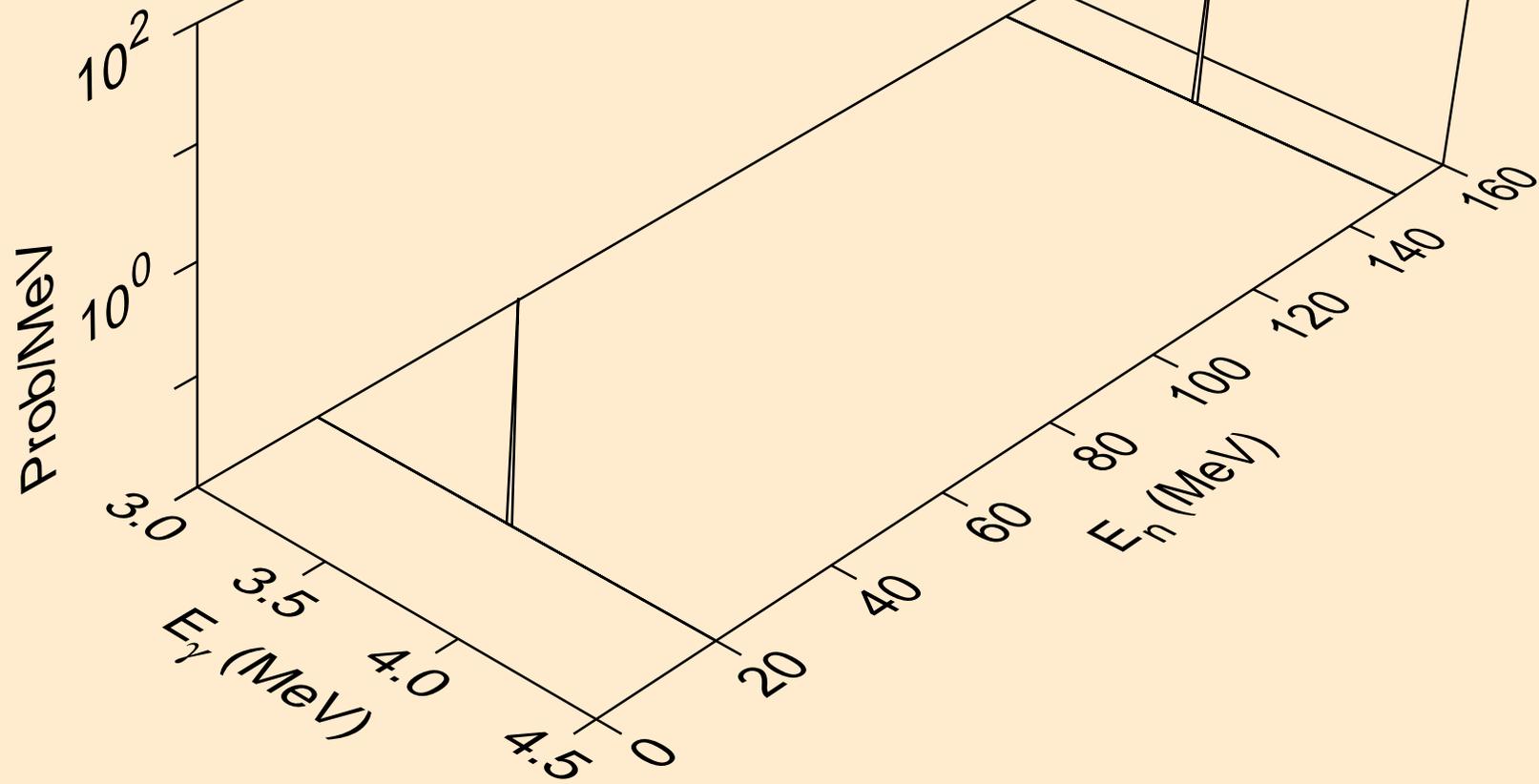
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*38)



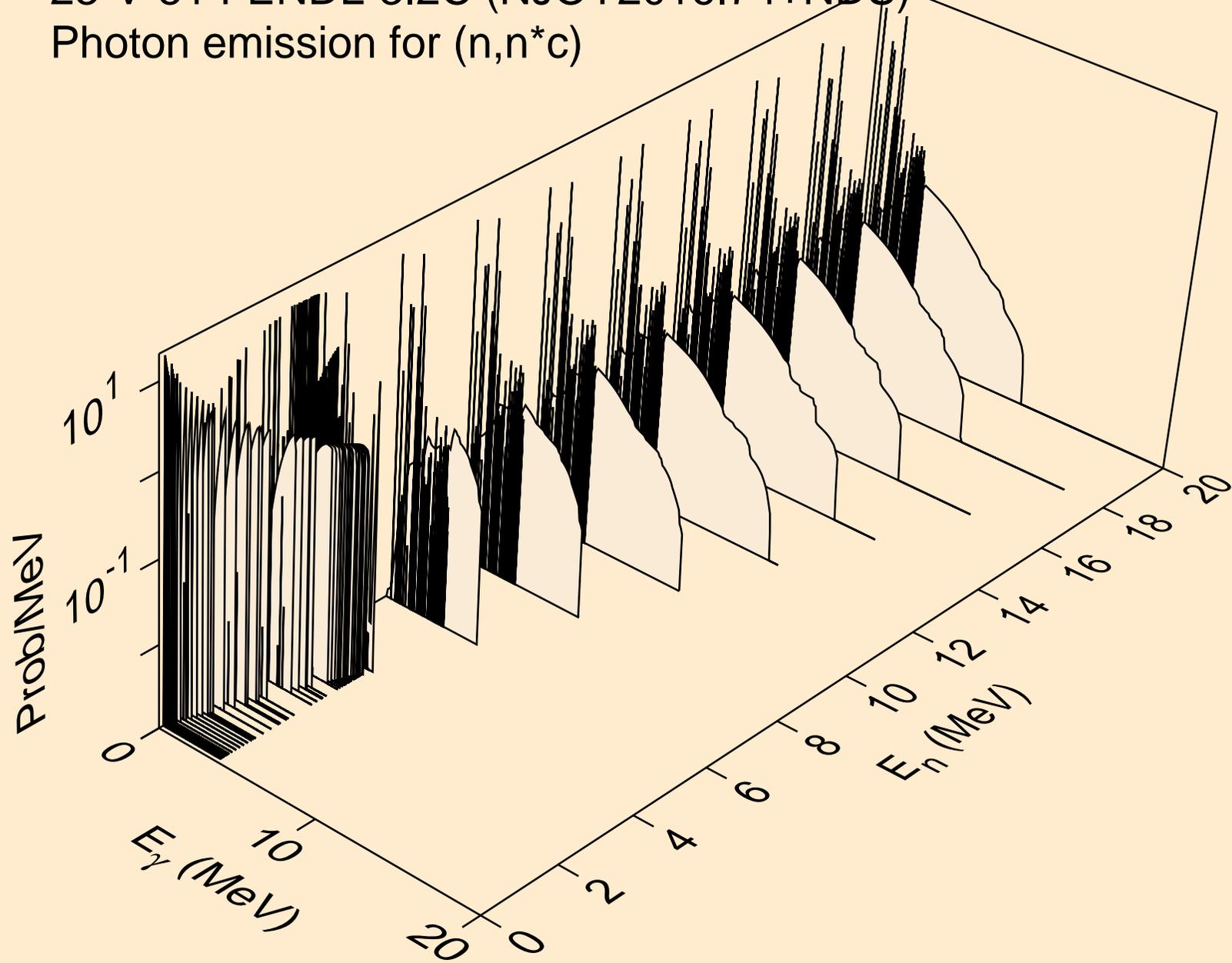
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*39)



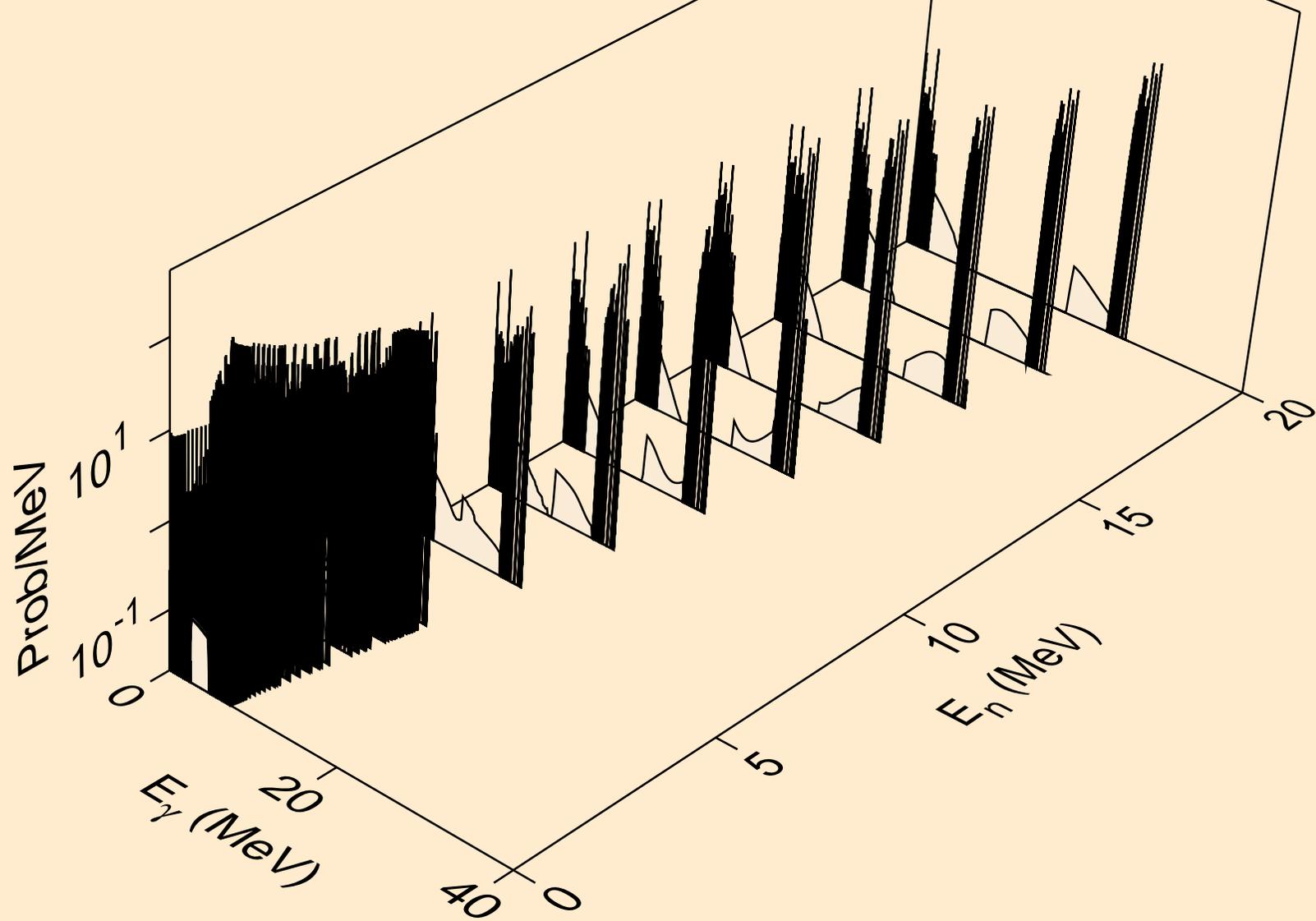
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*40)



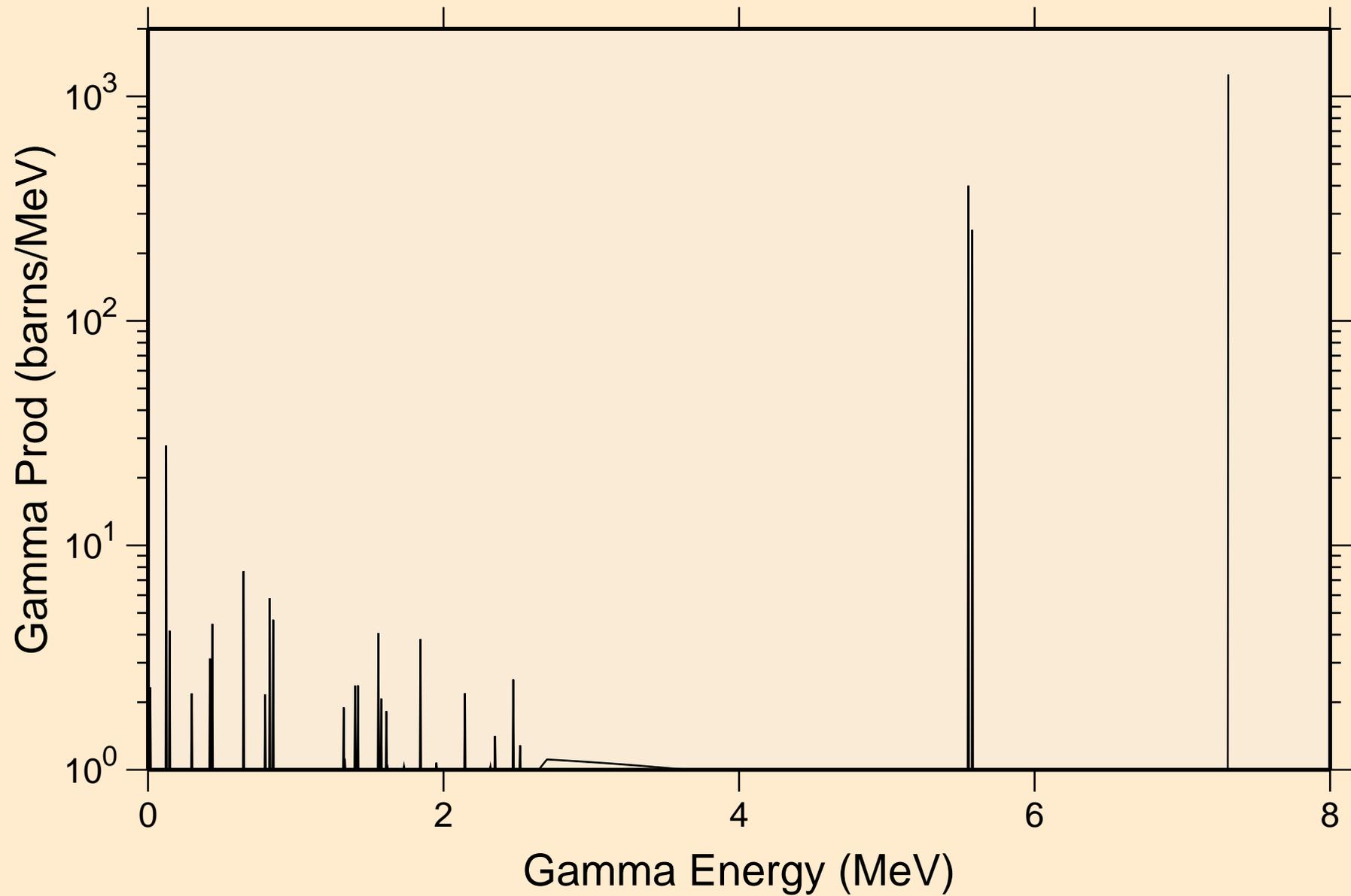
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,n\*c)



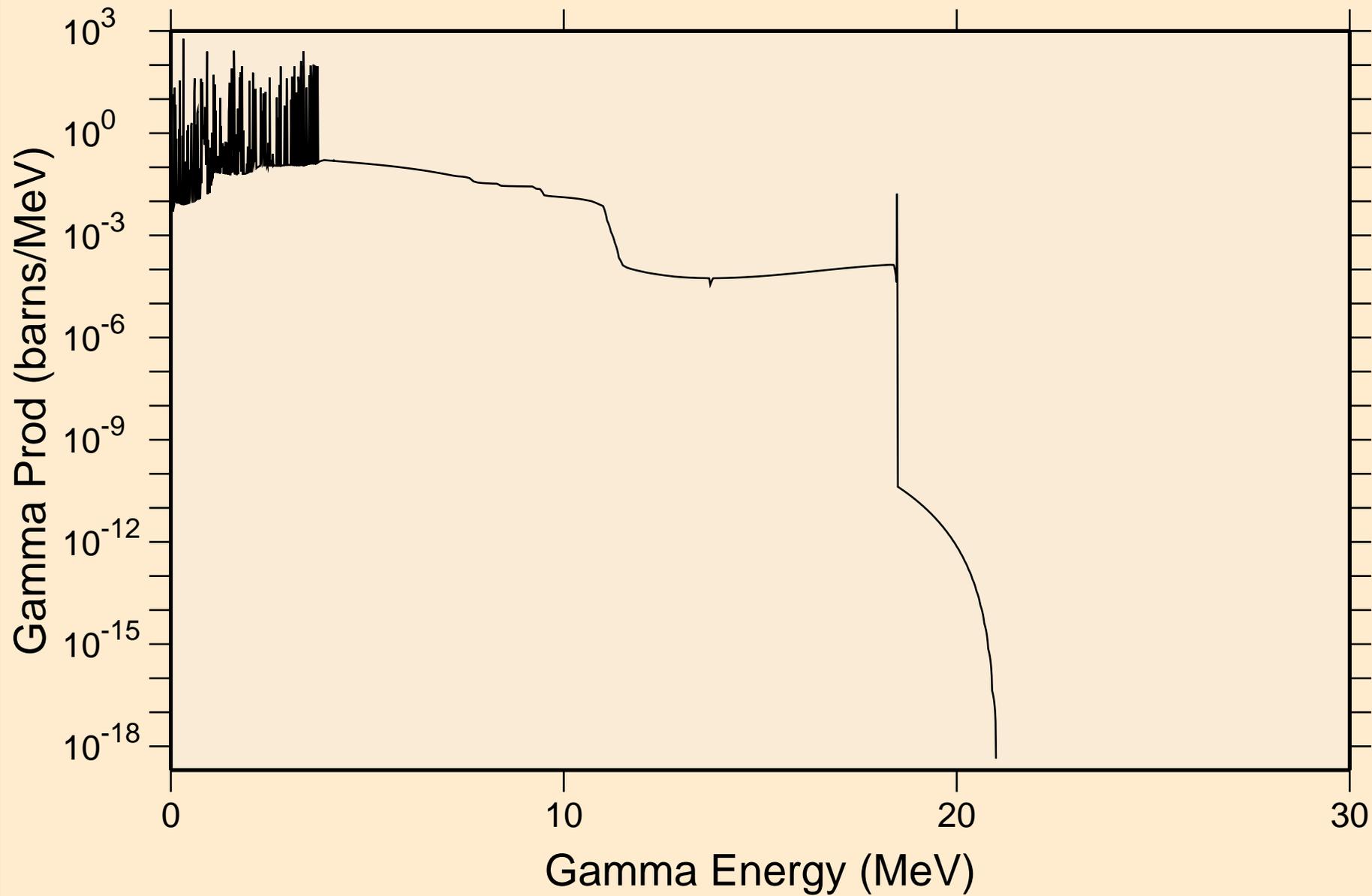
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
Photon emission for (n,gma)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
thermal capture photon spectrum

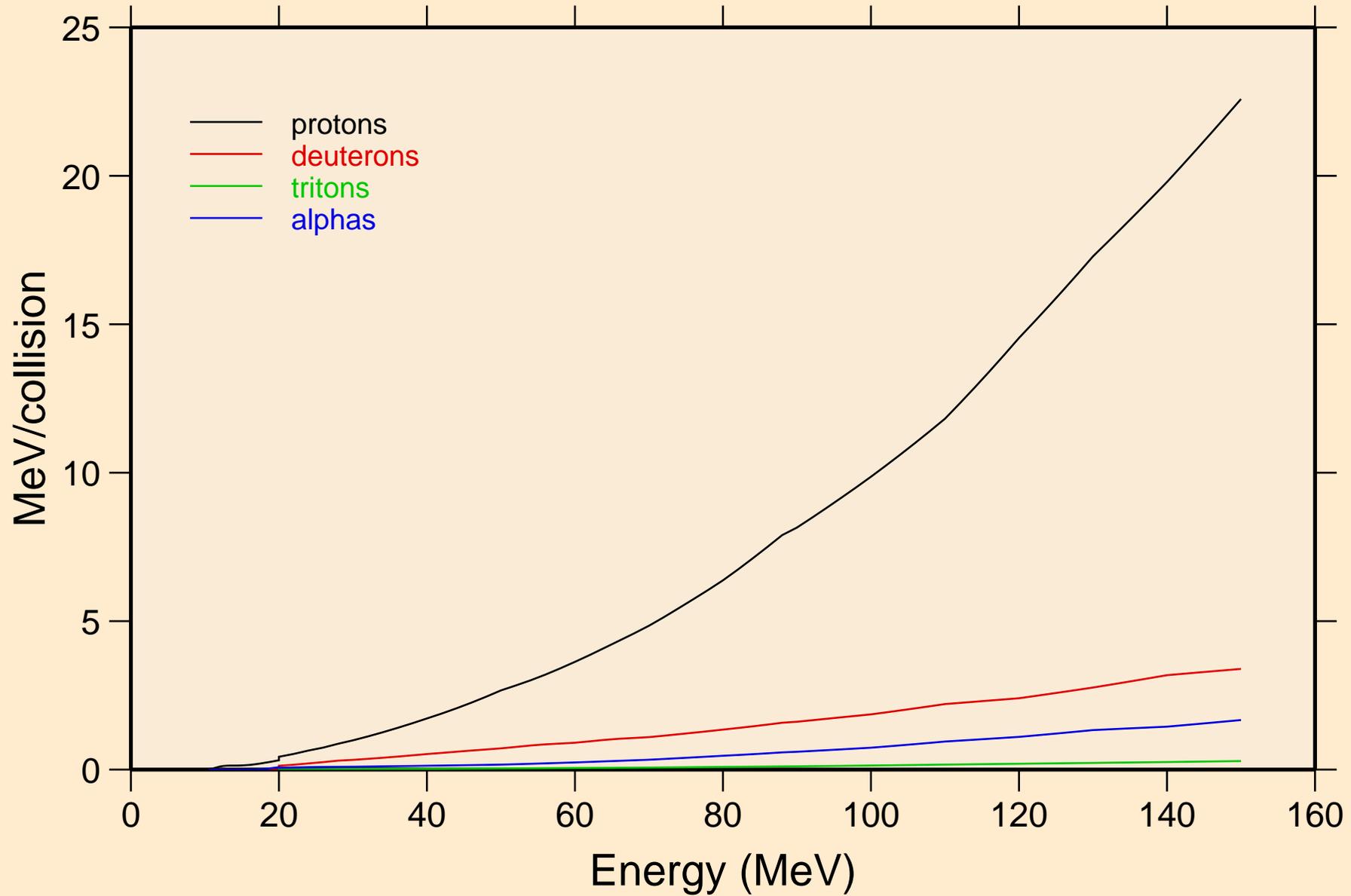


23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
14 MeV photon spectrum



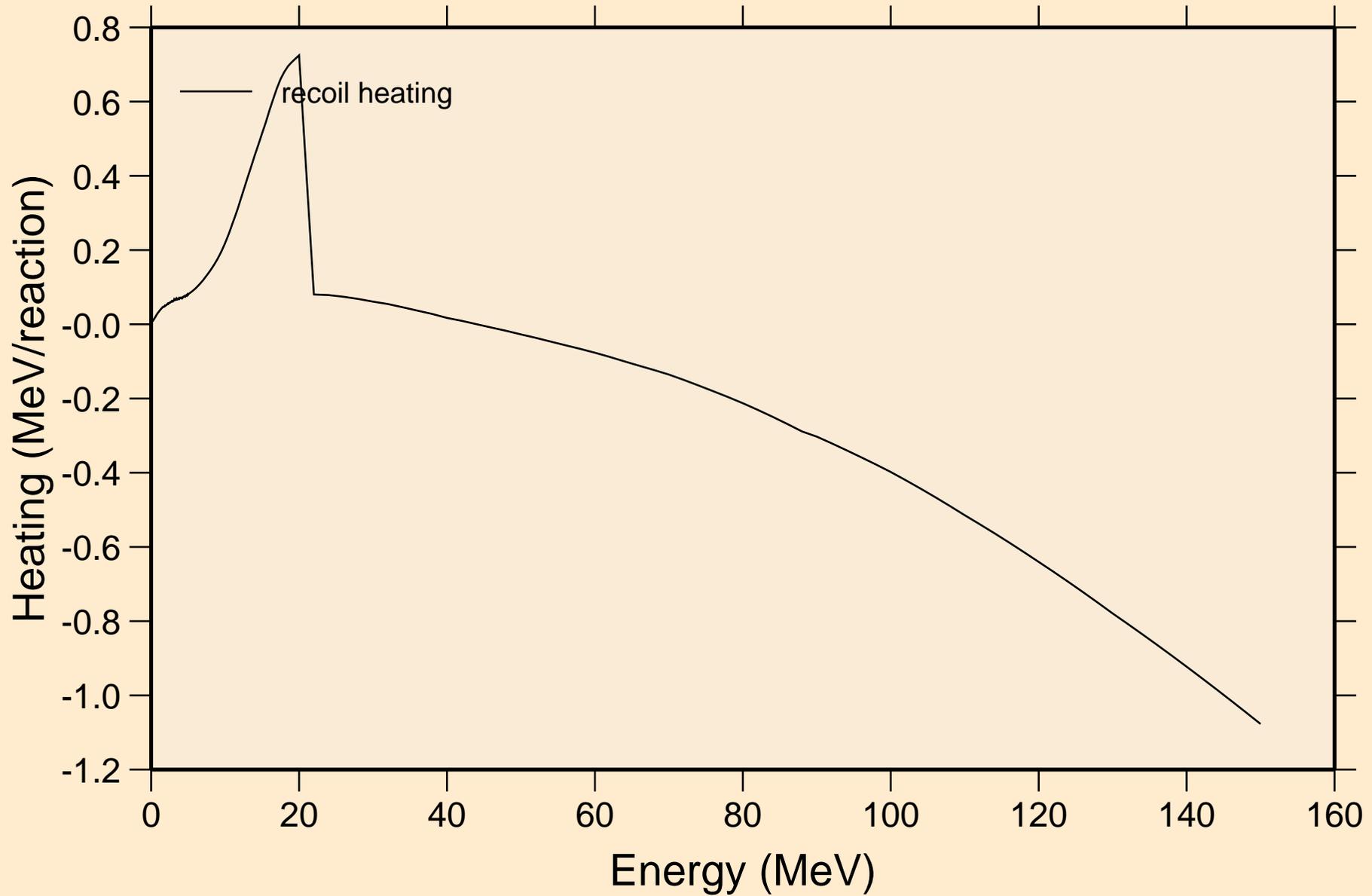
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Particle heating contributions



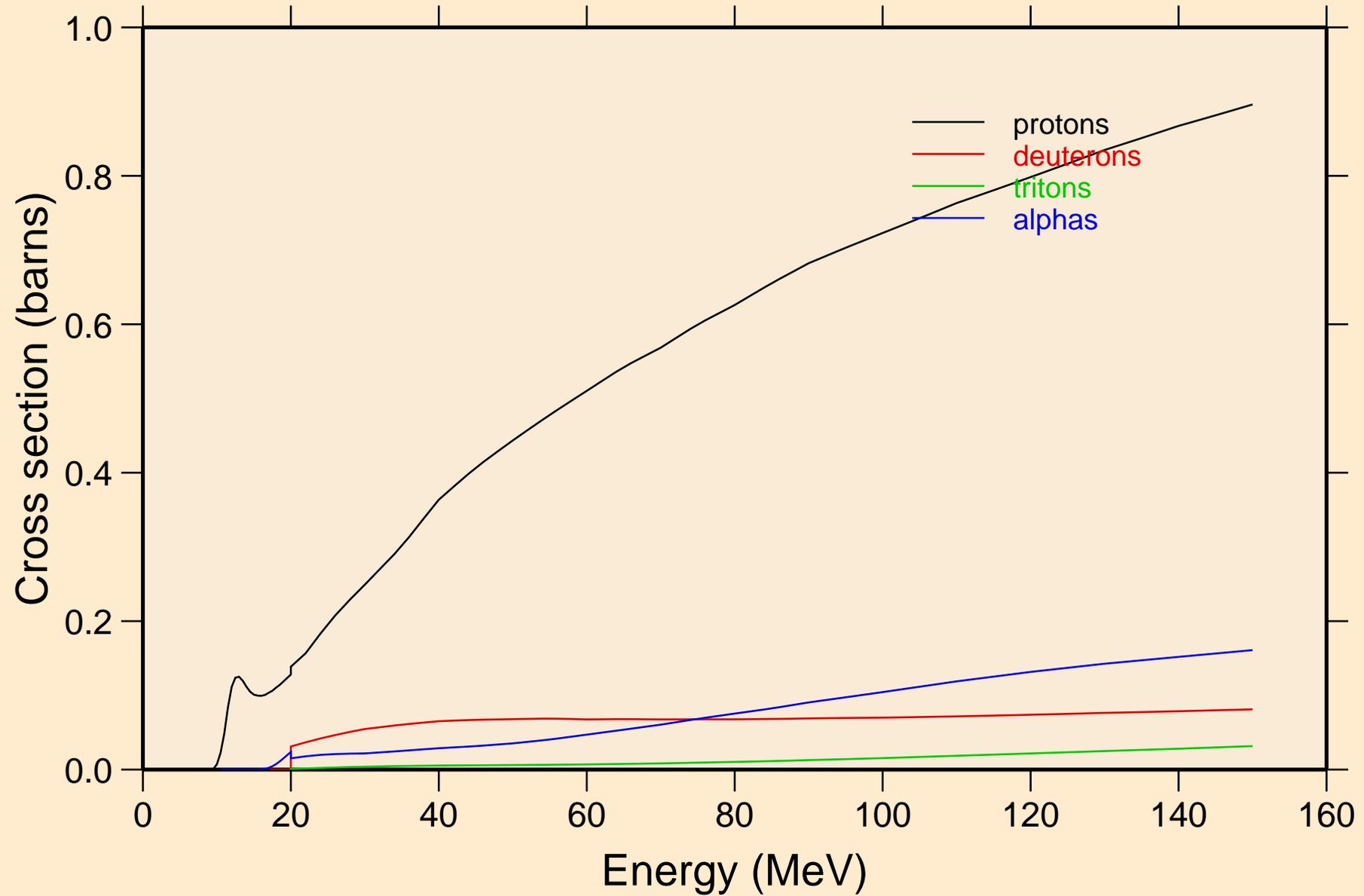
# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

## Recoil Heating

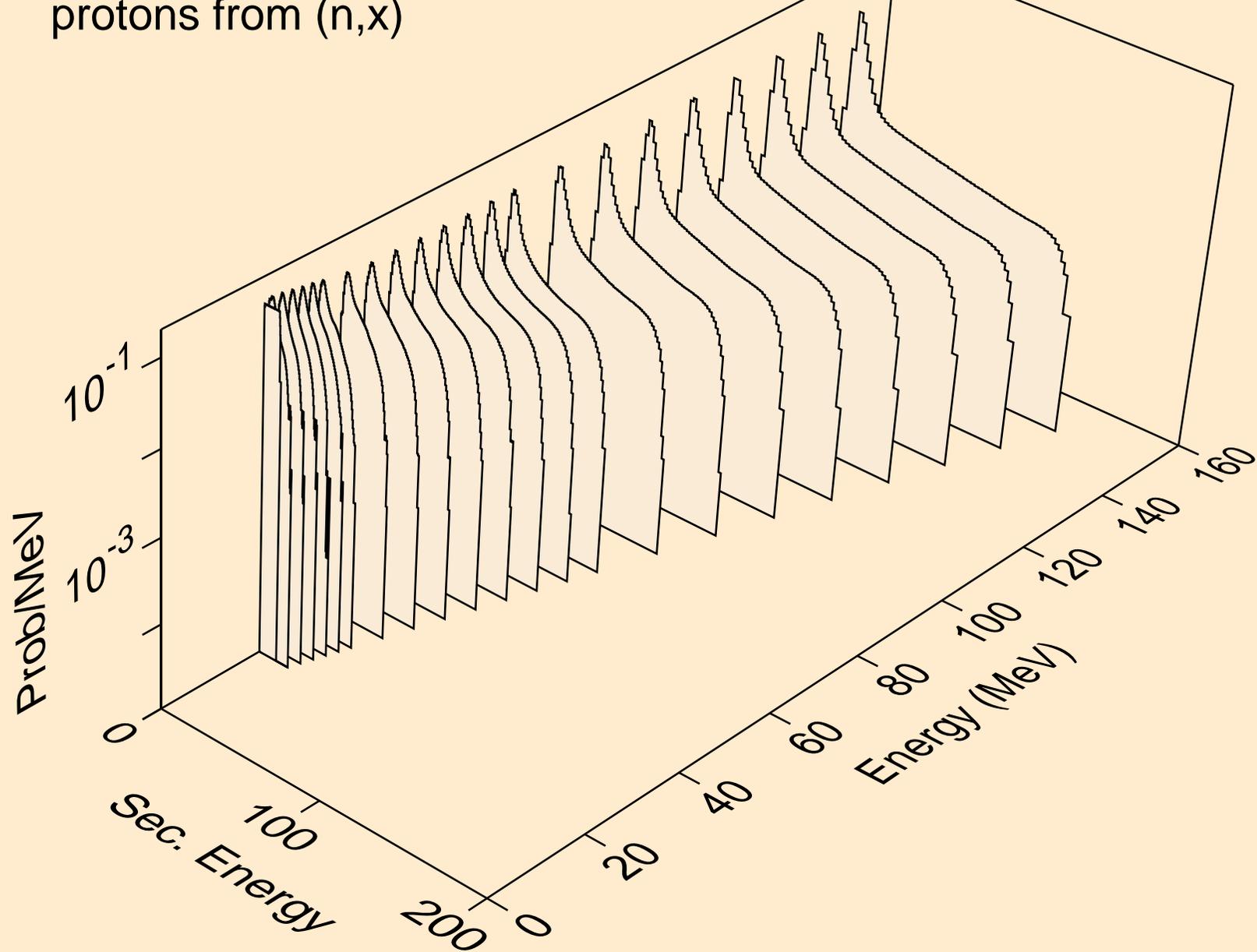


# 23-V-51 FENDL-3.2C (NJOY2016.74+NDS)

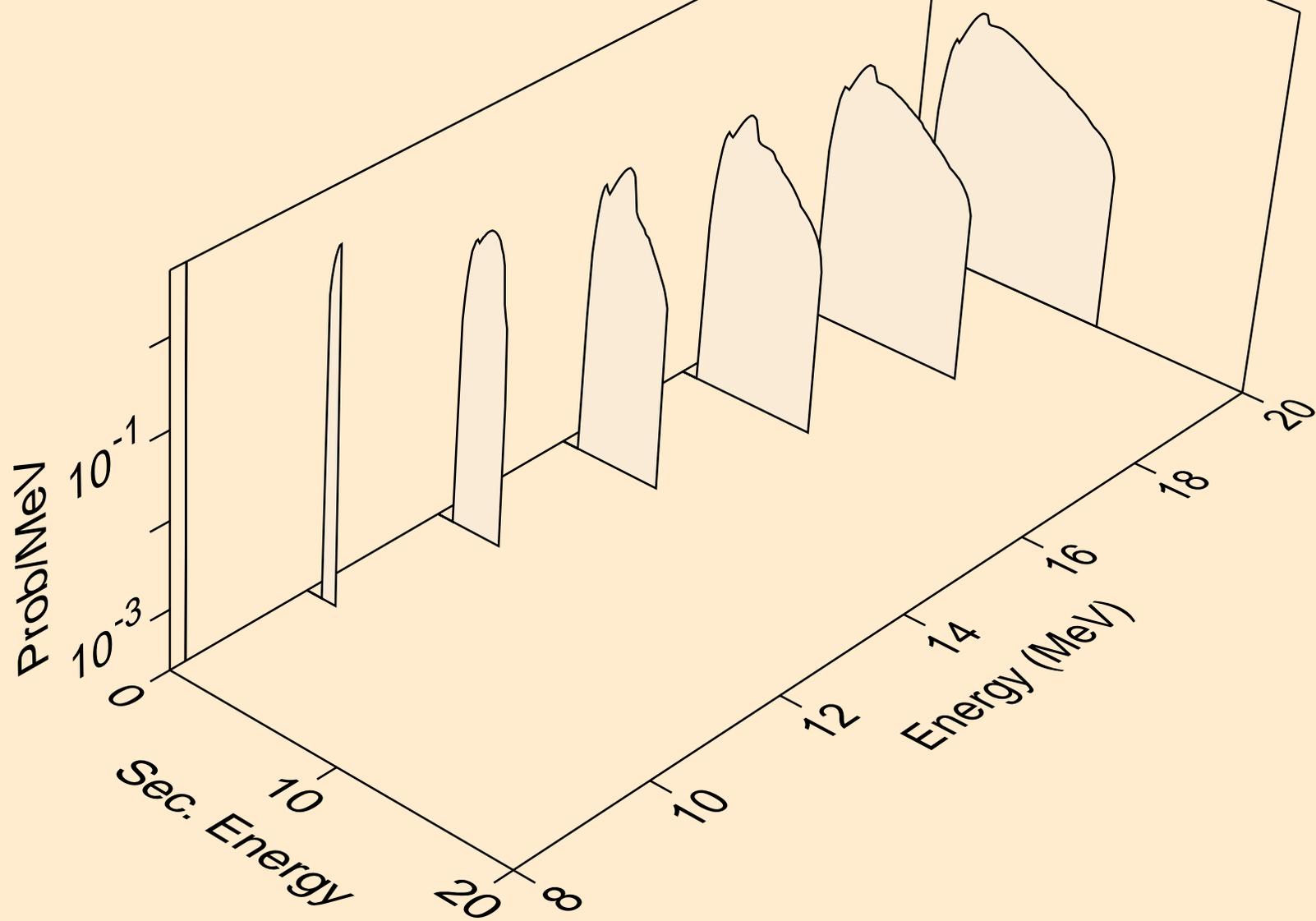
## Particle production cross sections



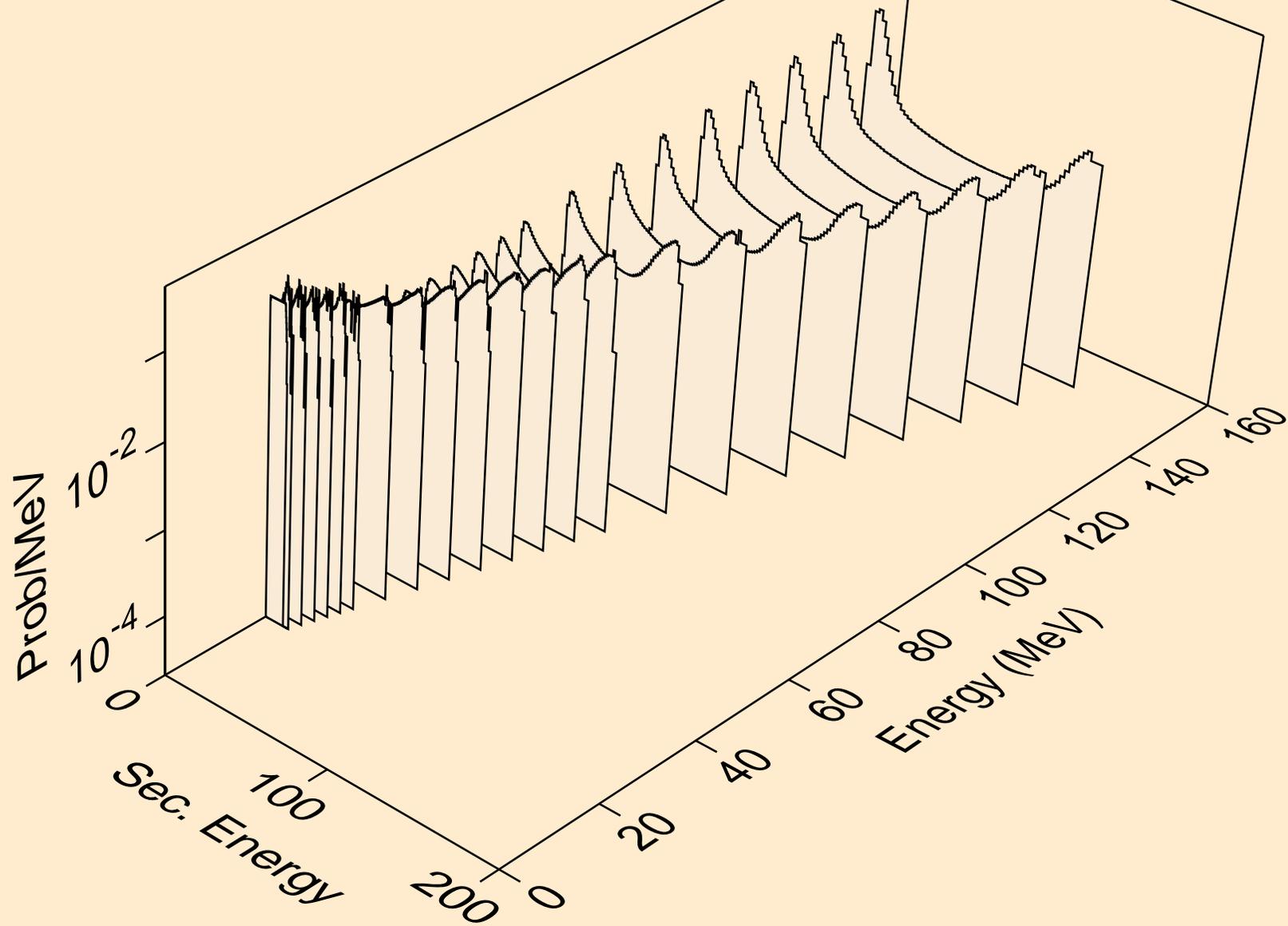
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
protons from (n,x)



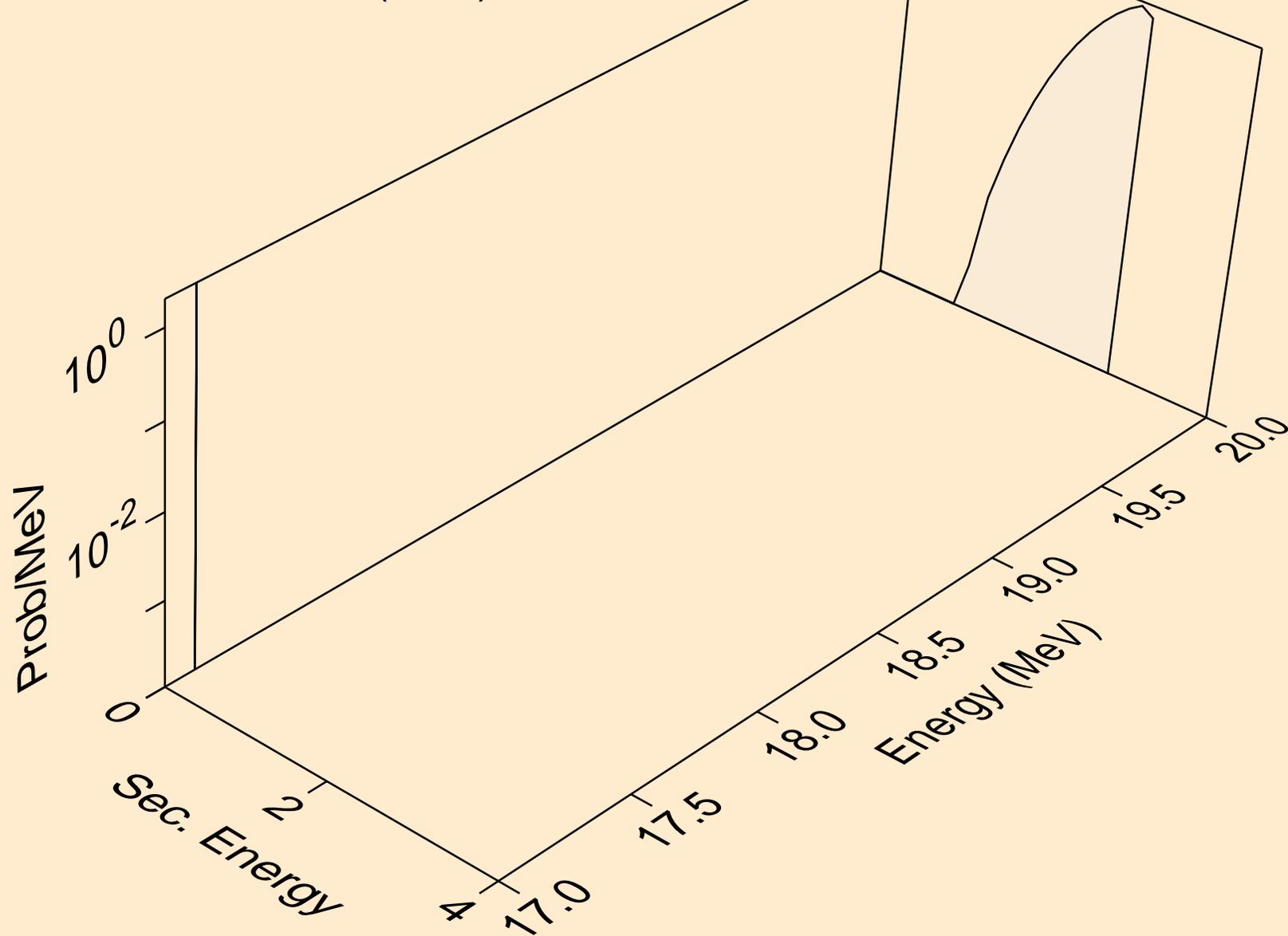
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
protons from (n,np)



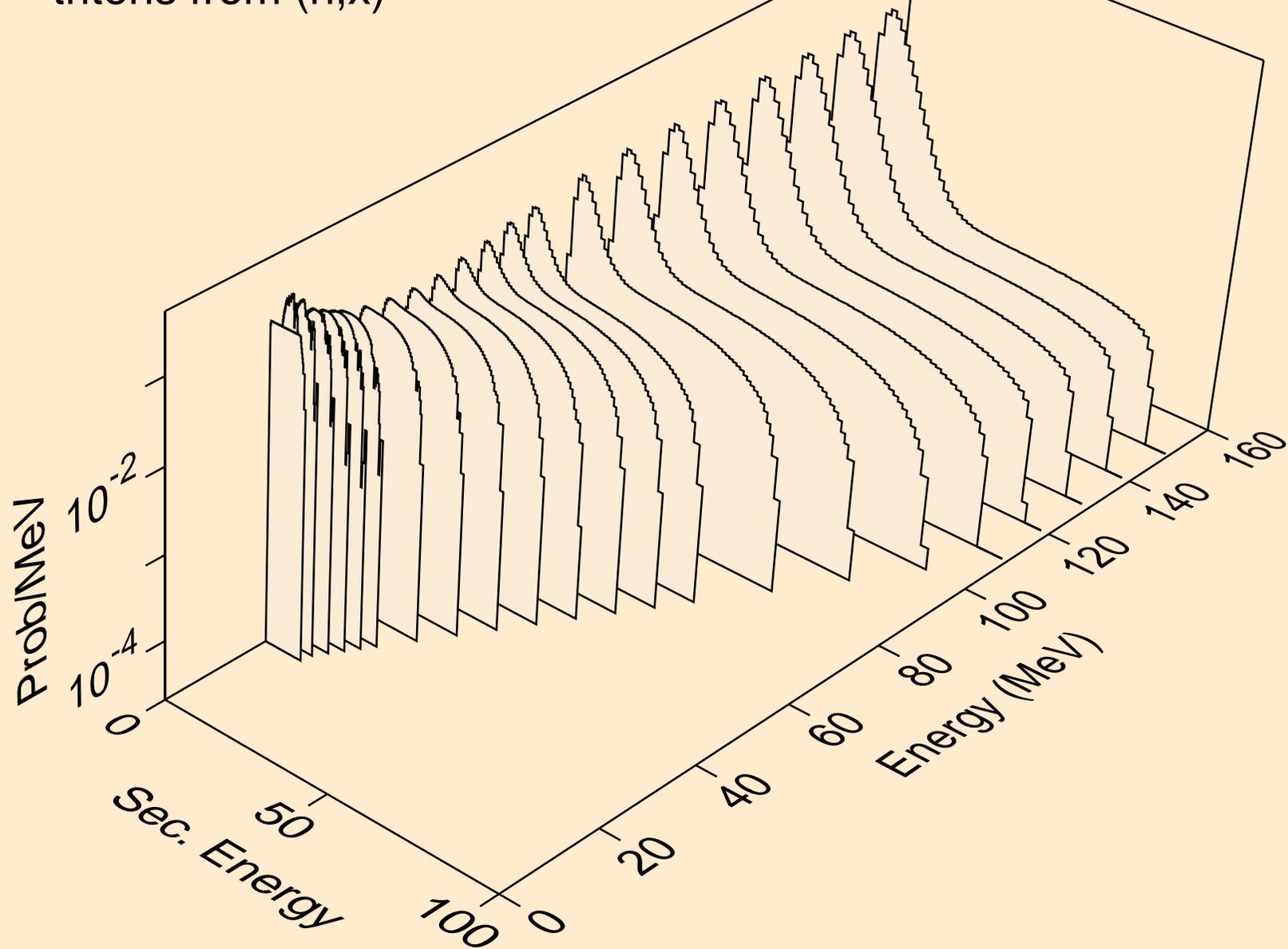
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
deuterons from (n,x)



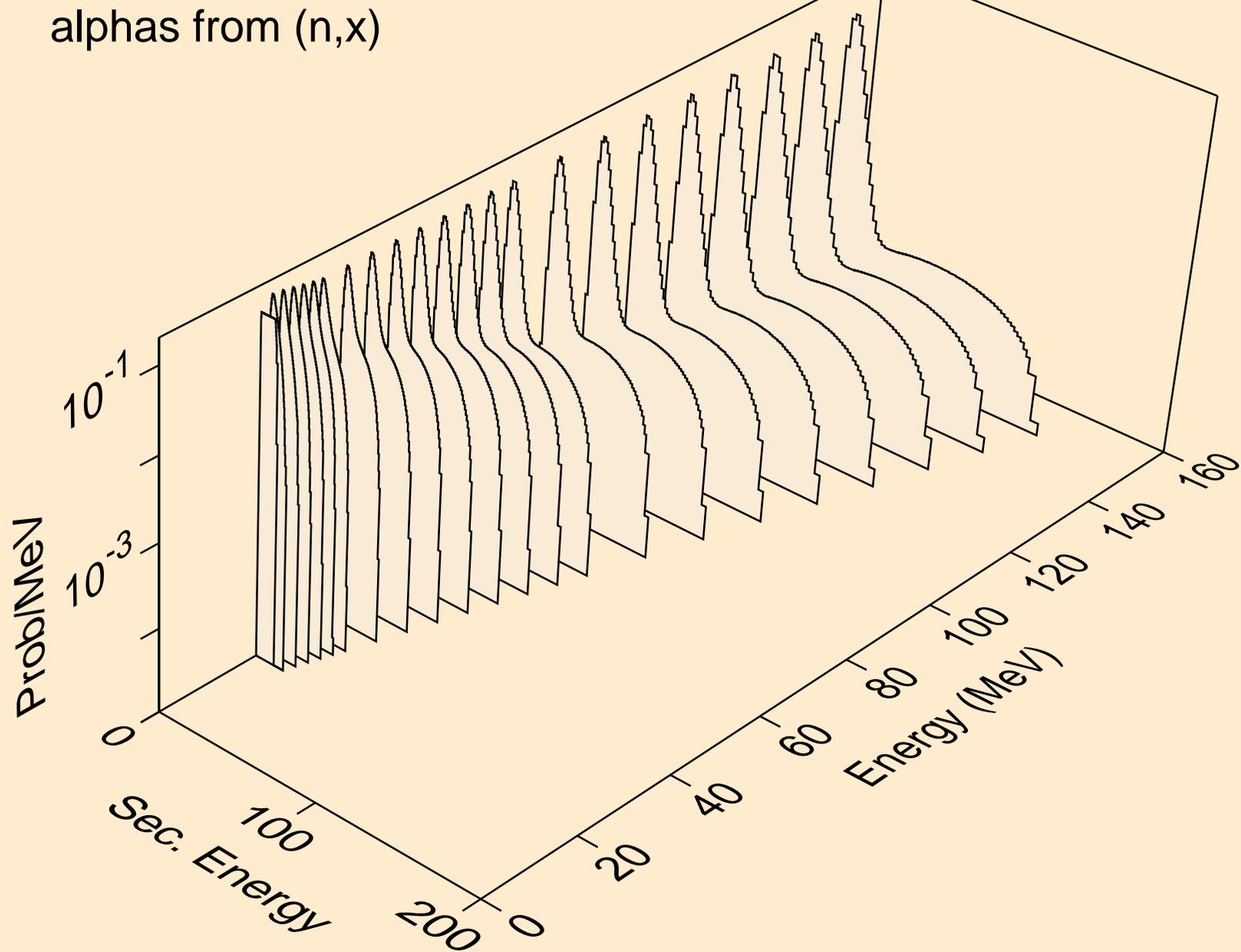
23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
deuterons from (n,nd)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
tritons from (n,x)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
alphas from (n,x)



23-V-51 FENDL-3.2C (NJOY2016.74+NDS)  
alphas from (n,na)

