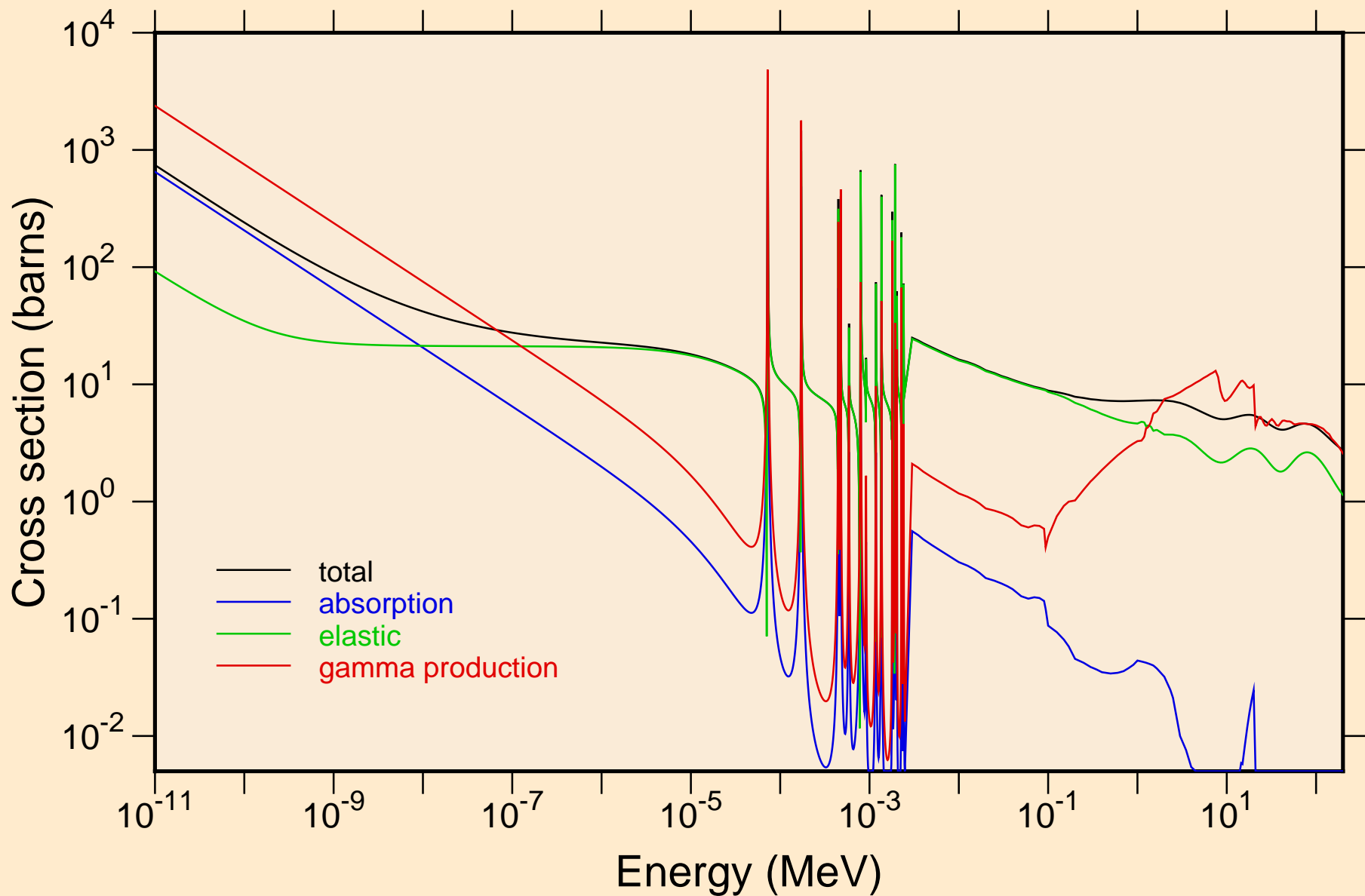
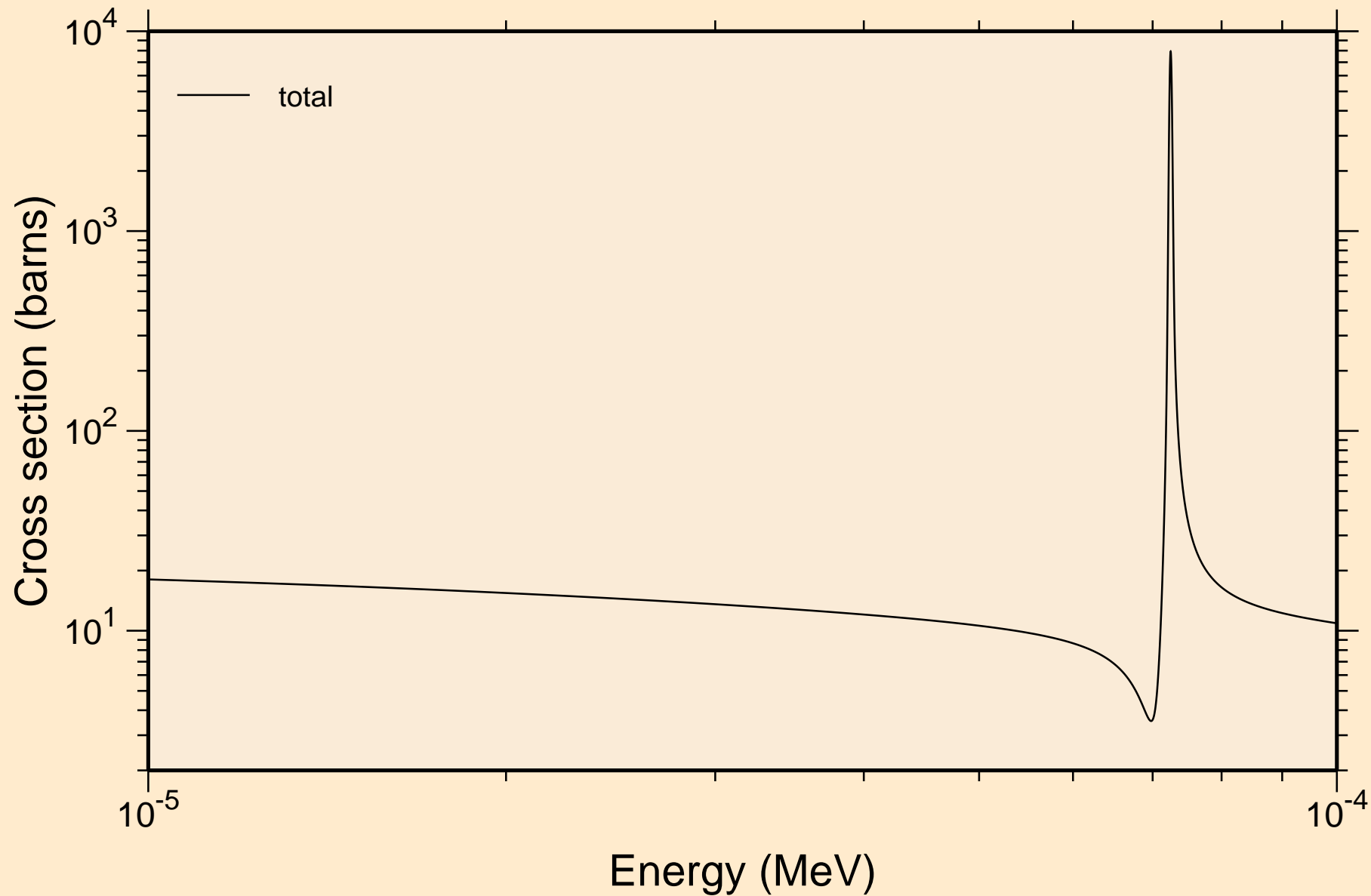


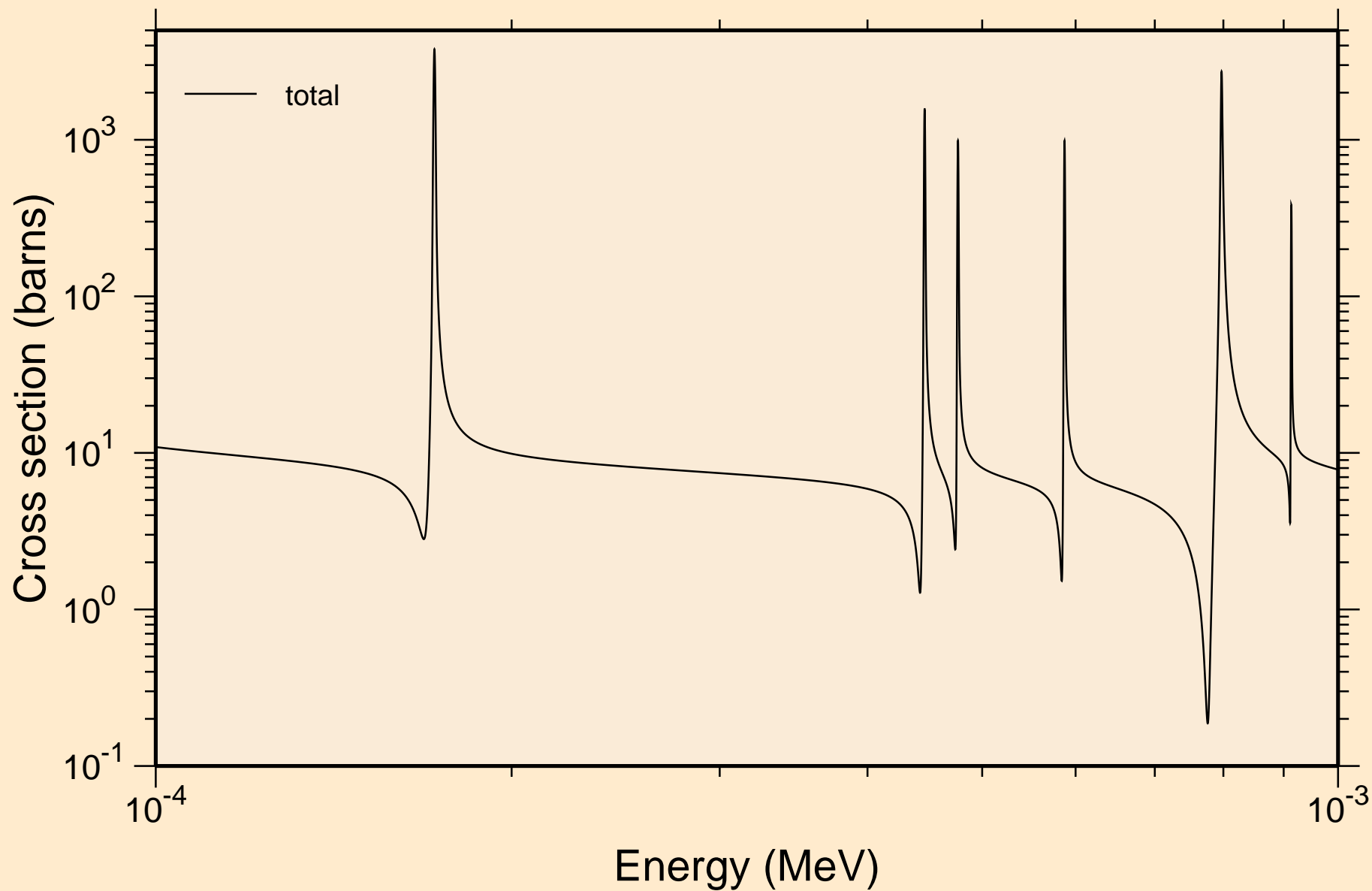
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Principal cross sections



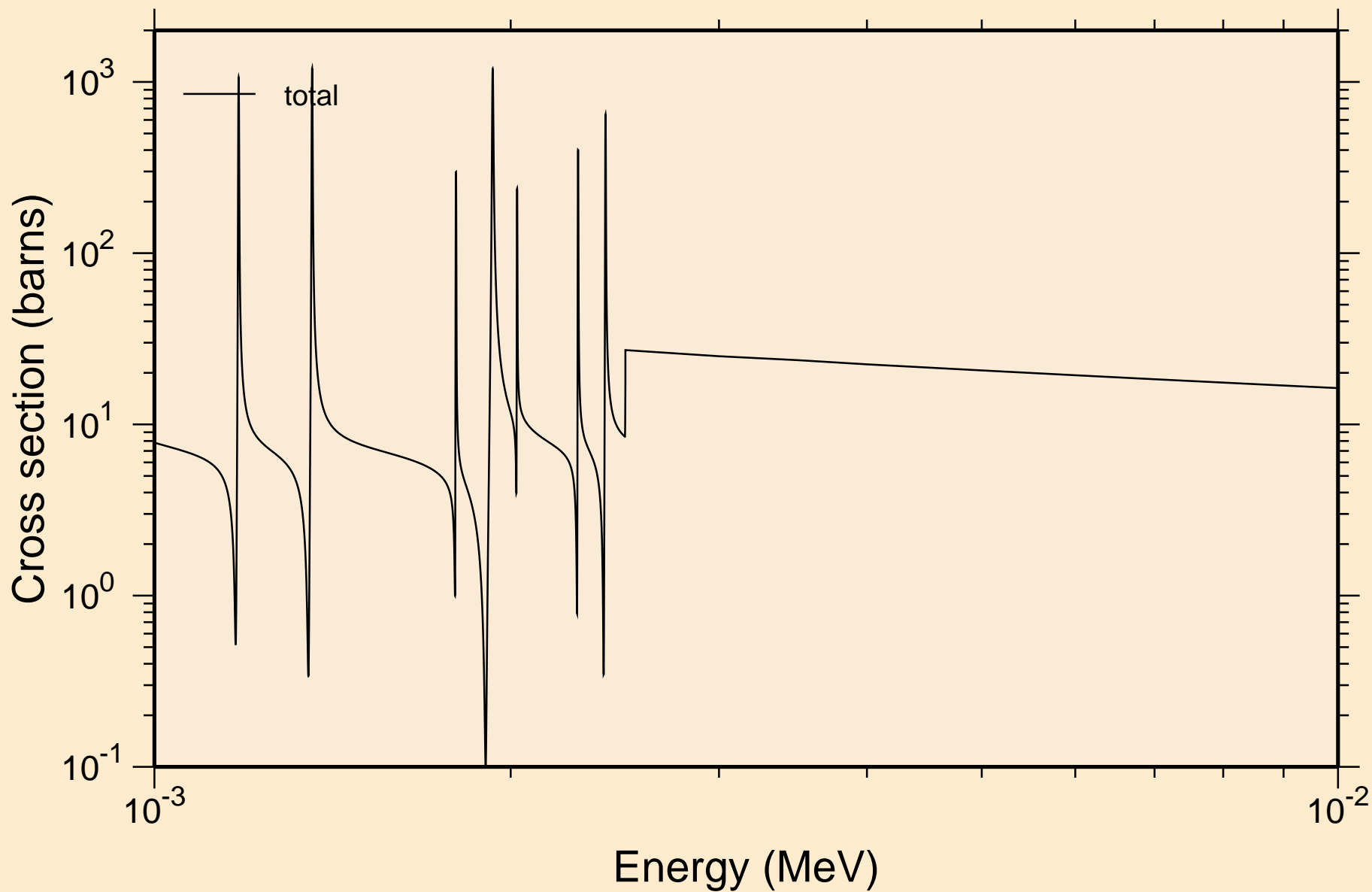
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance total cross section



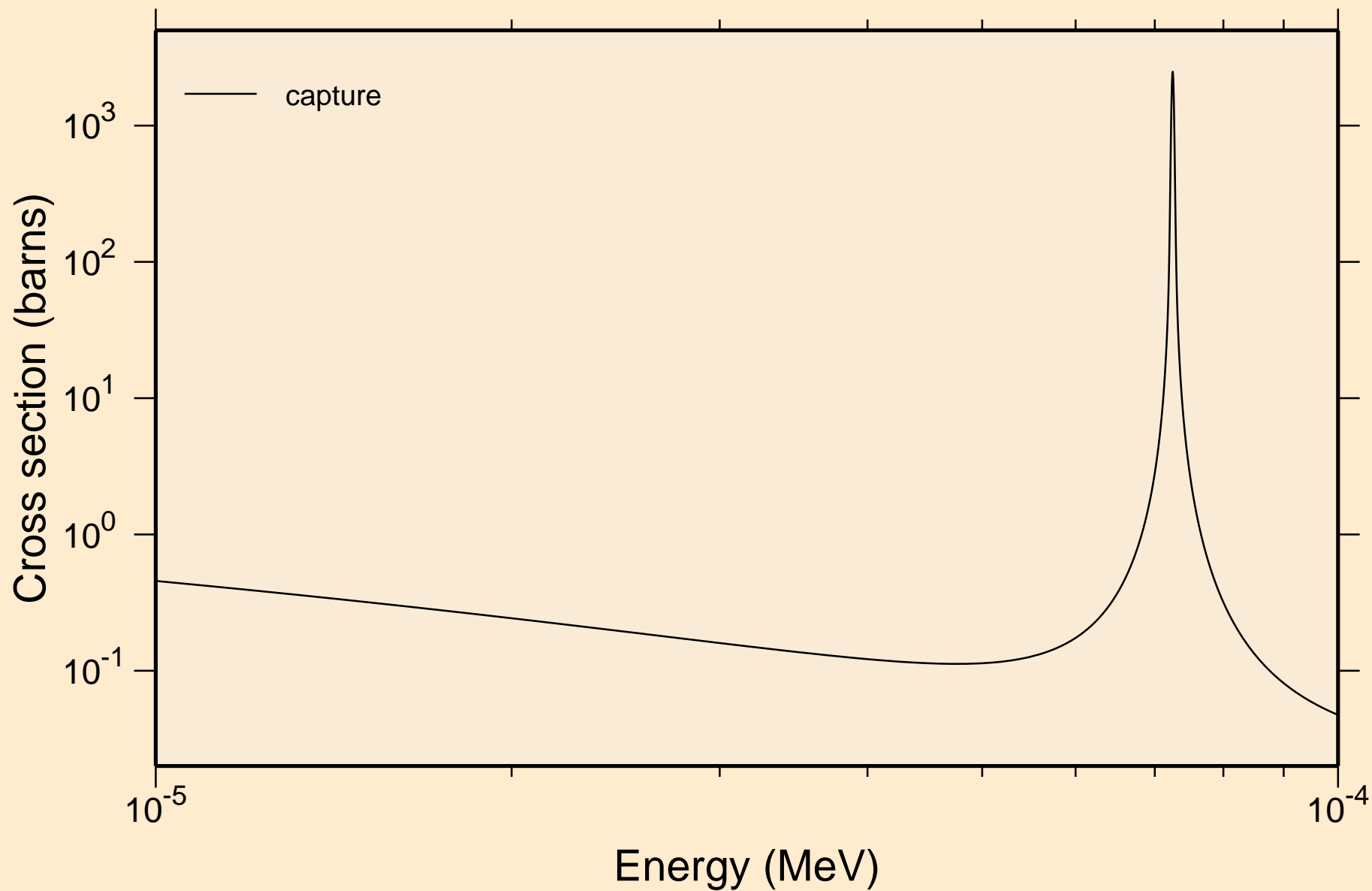
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance total cross section



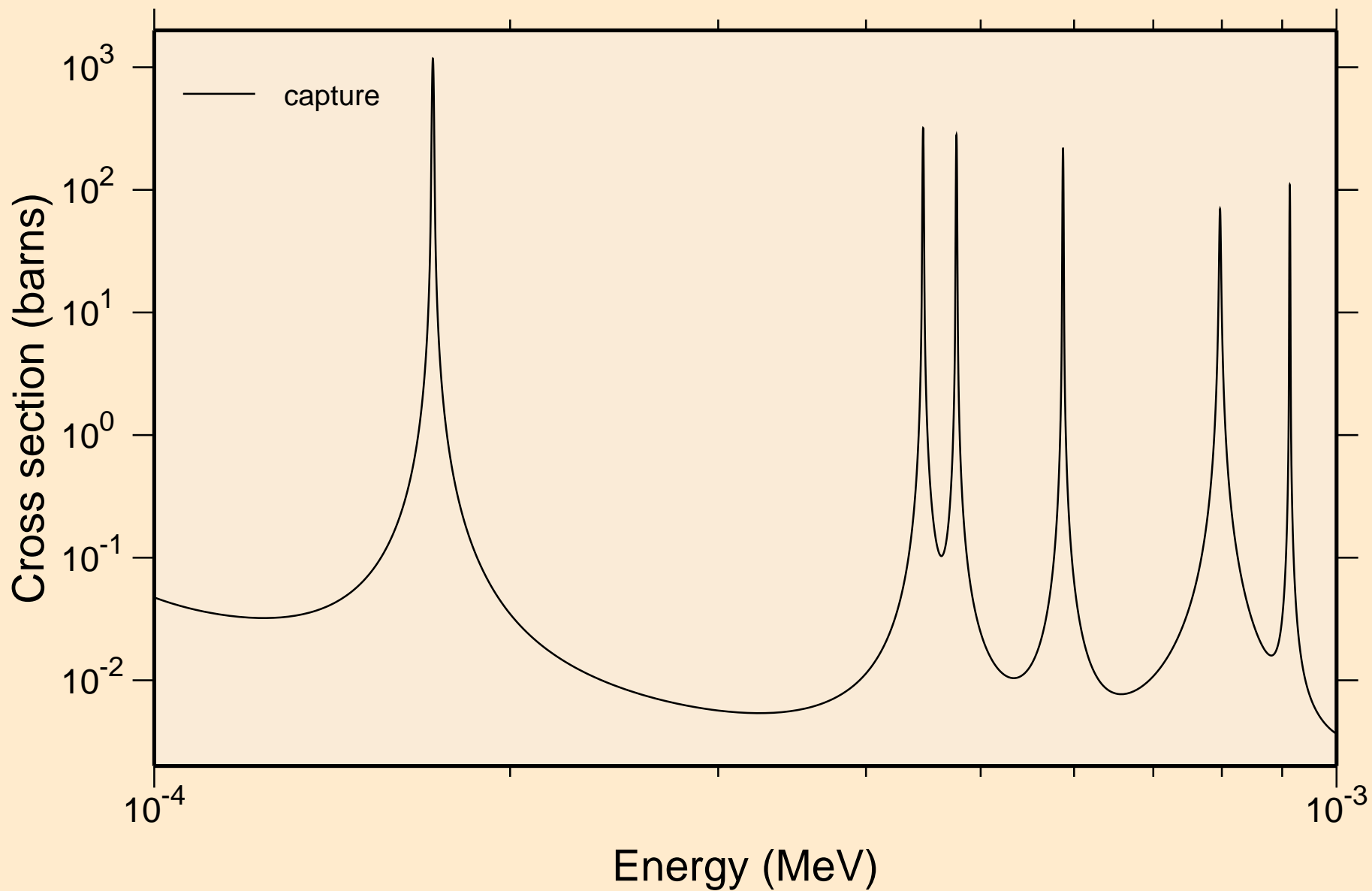
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance total cross section



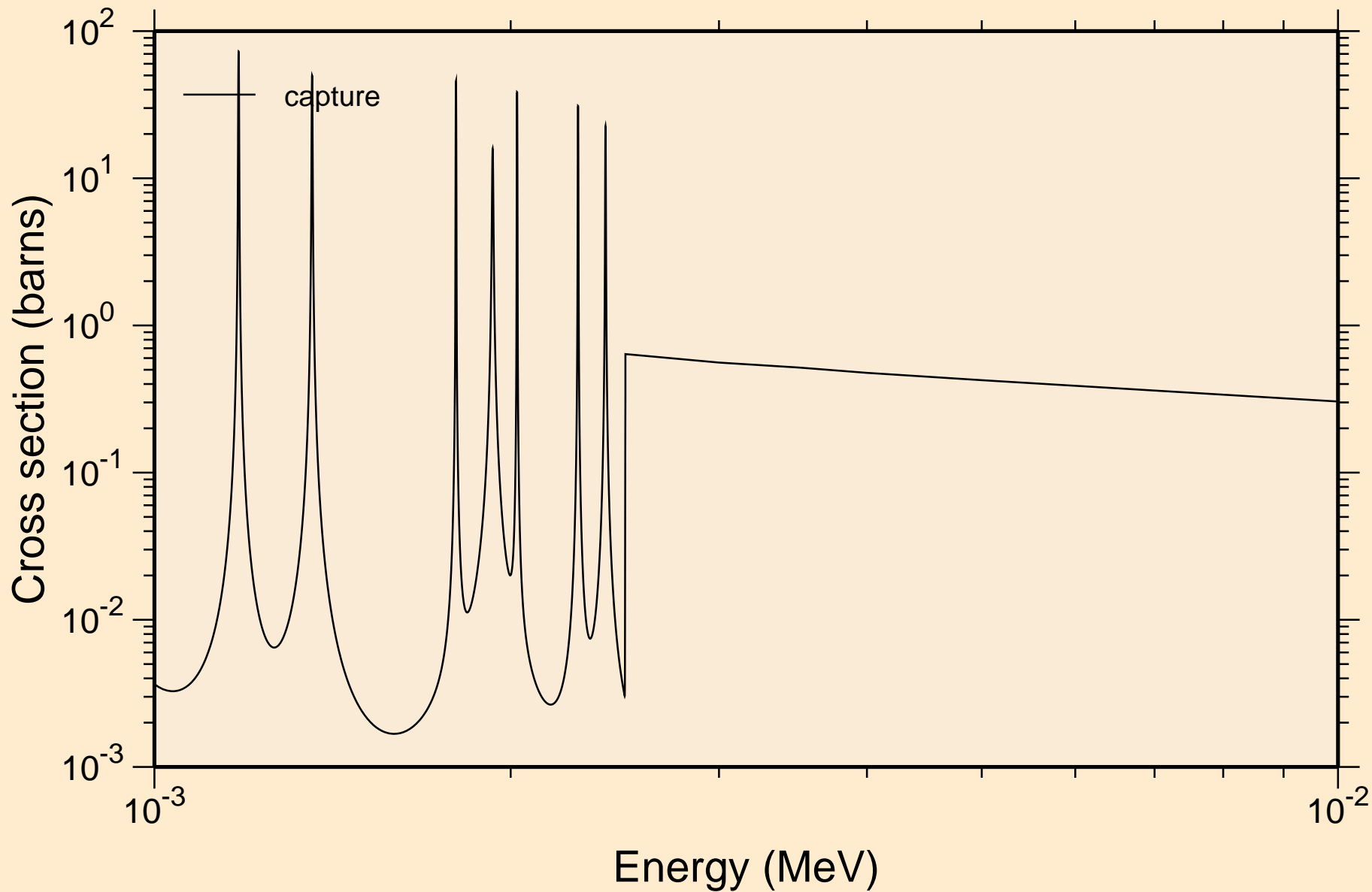
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance absorption cross sections



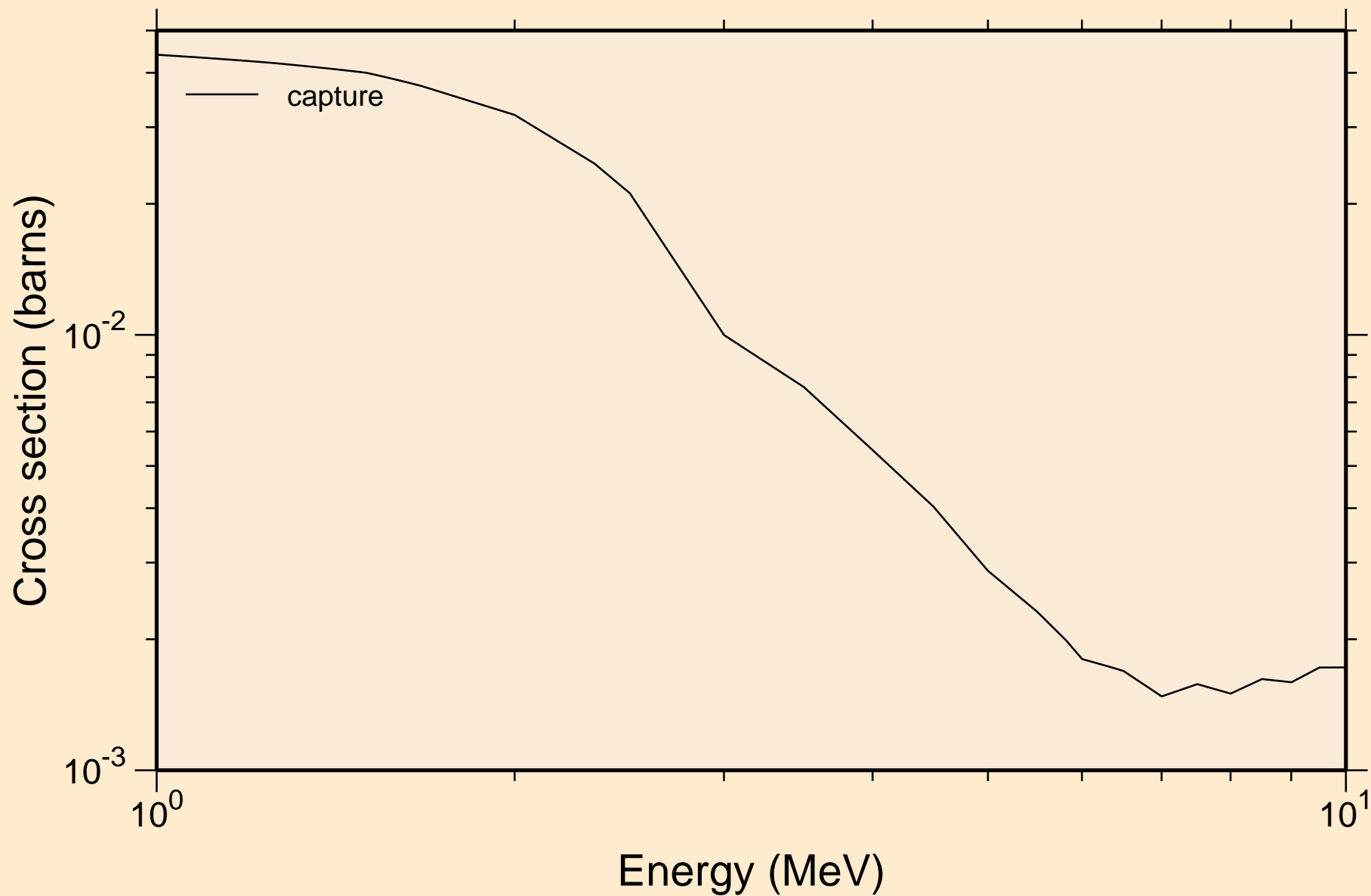
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance absorption cross sections



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance absorption cross sections

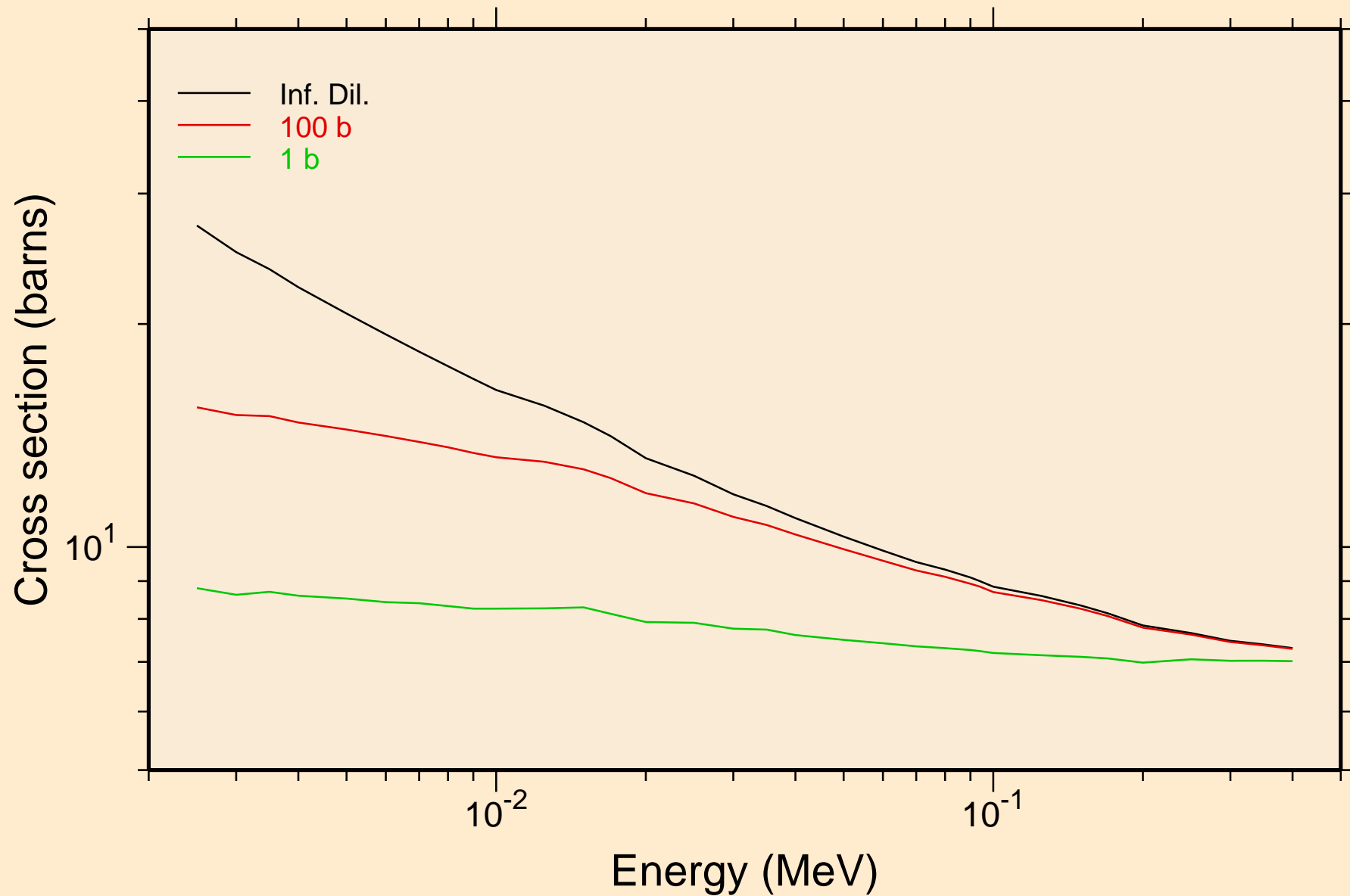


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
resonance absorption cross sections

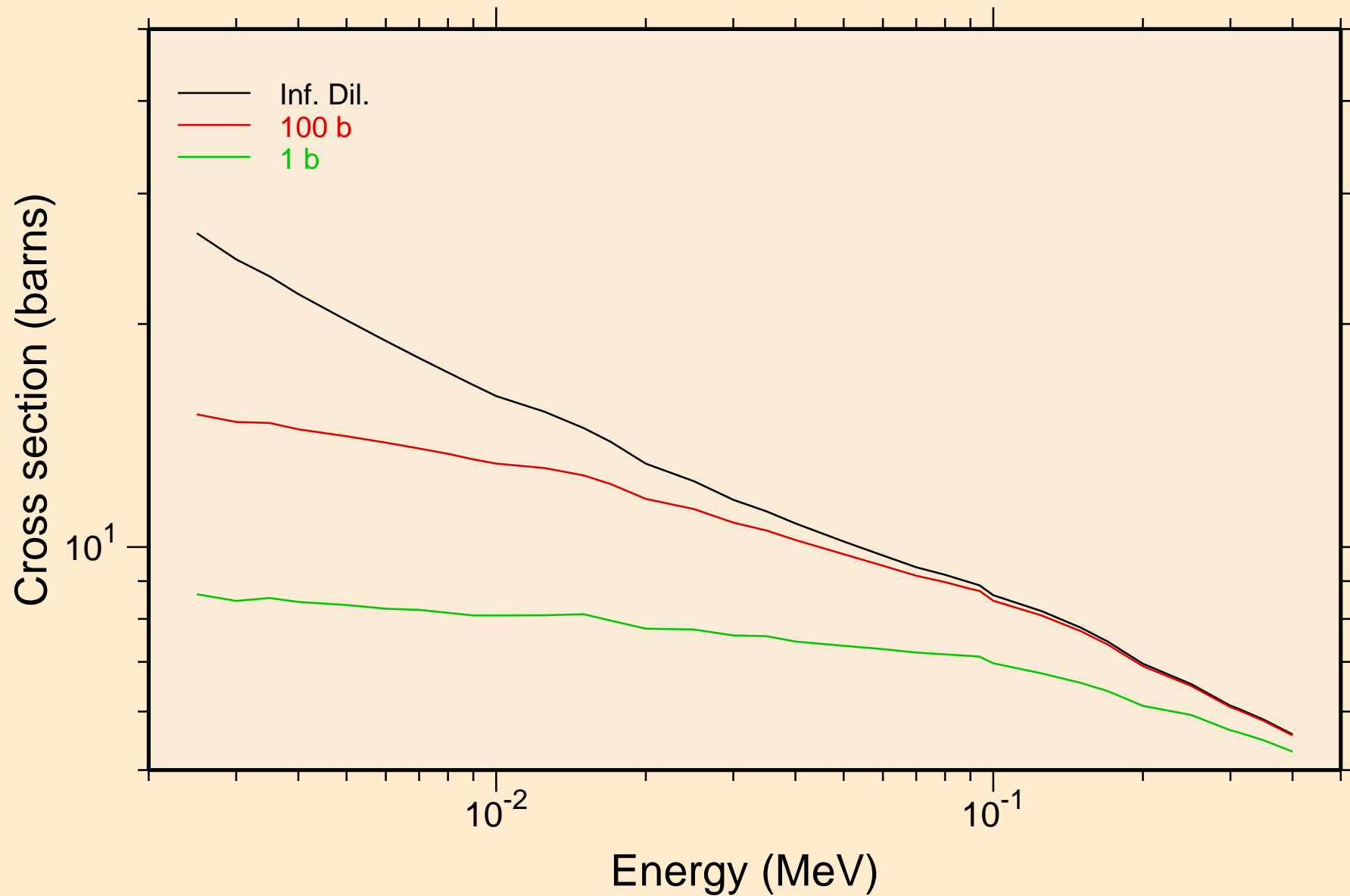




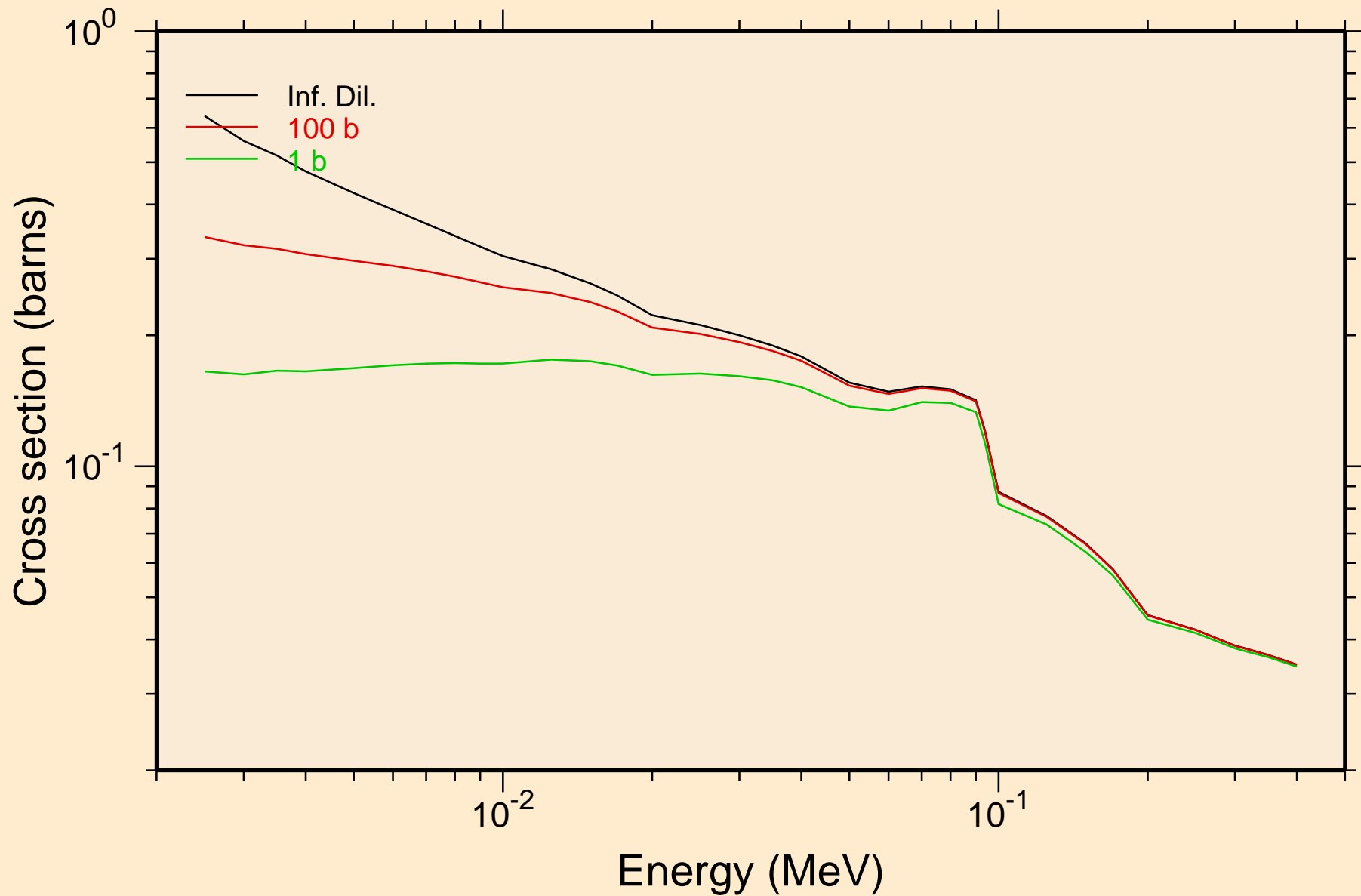
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
UR total cross section



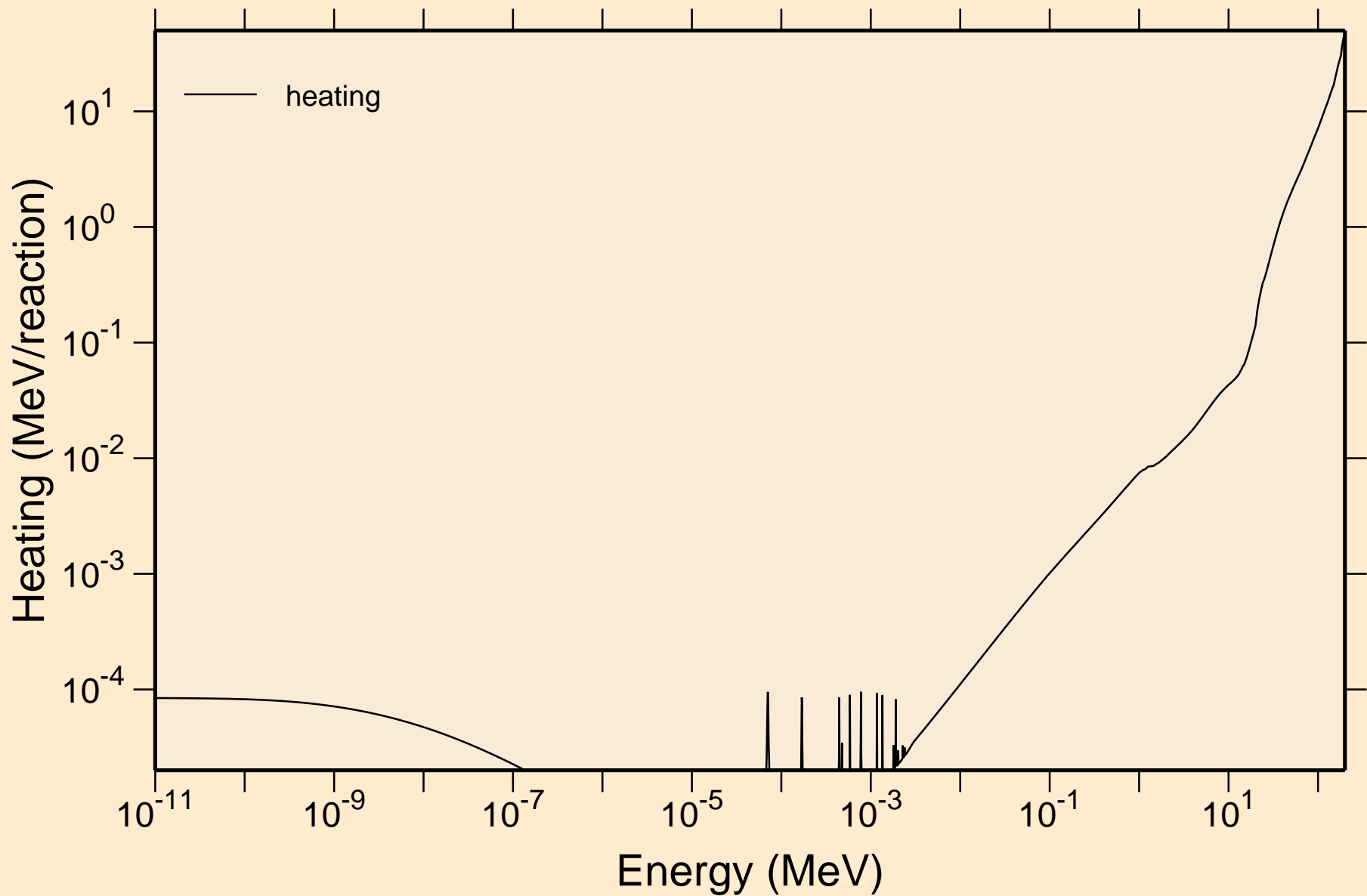
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
UR elastic cross section



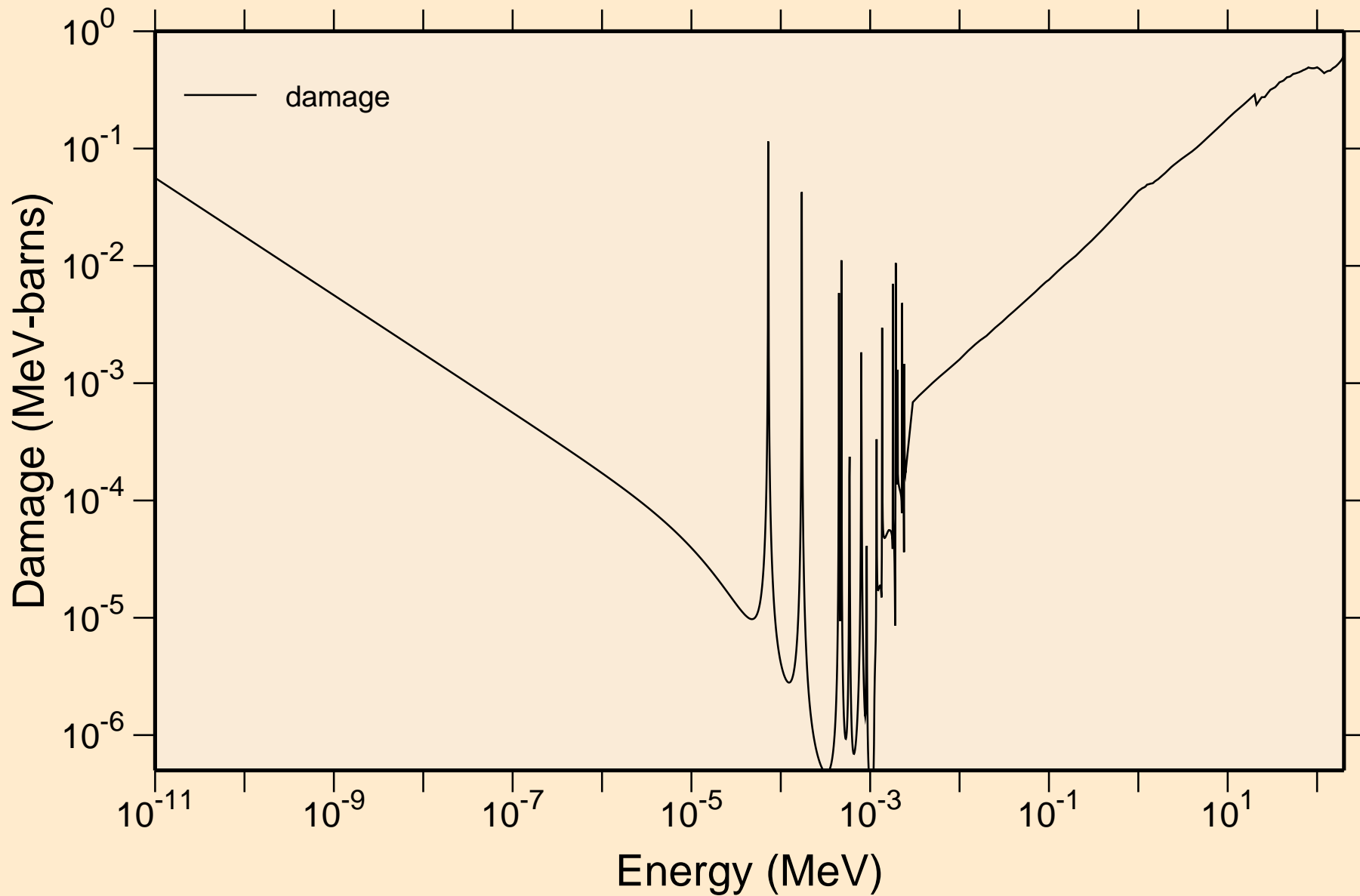
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
UR capture cross section



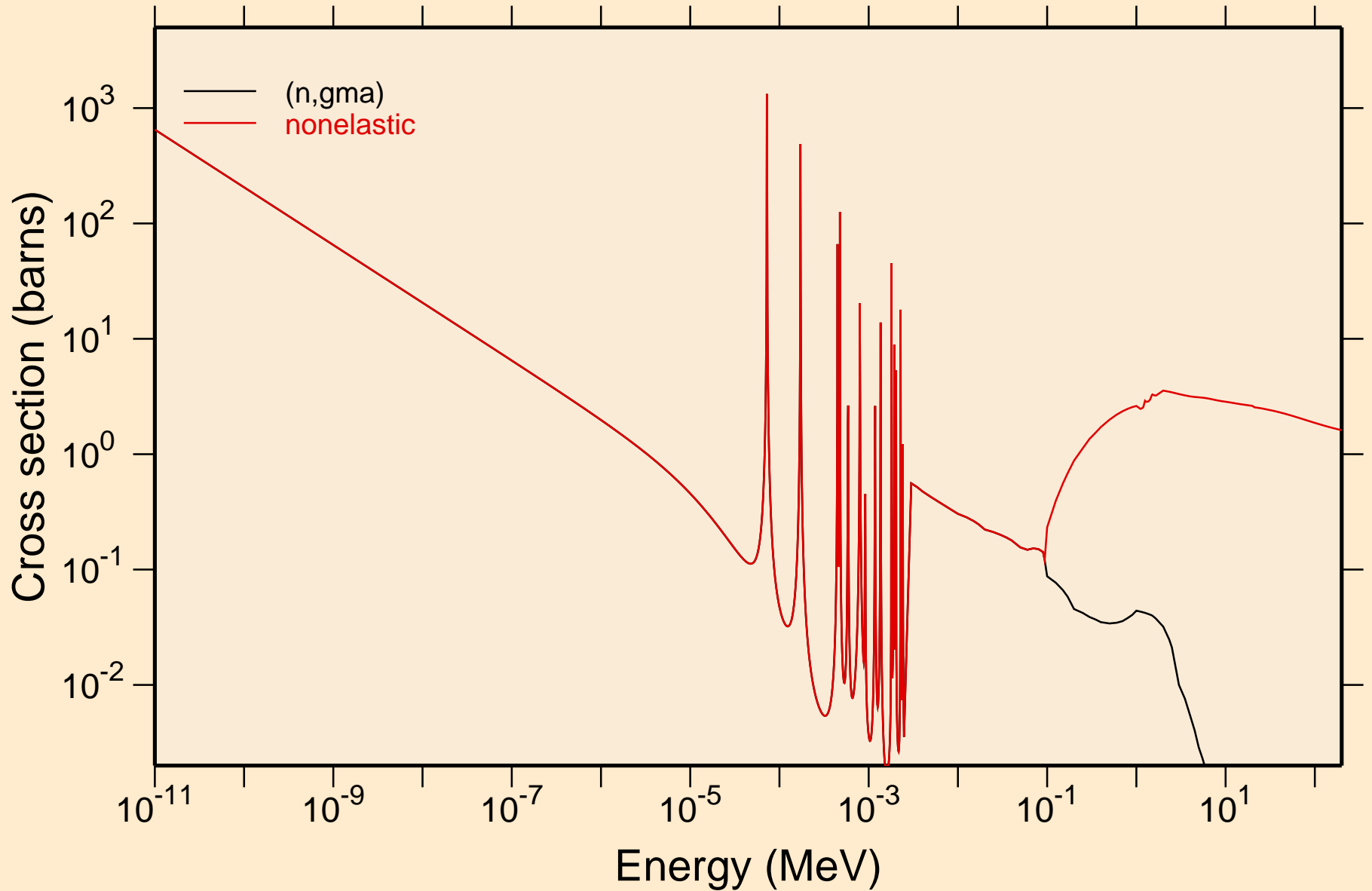
# 72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C Heating



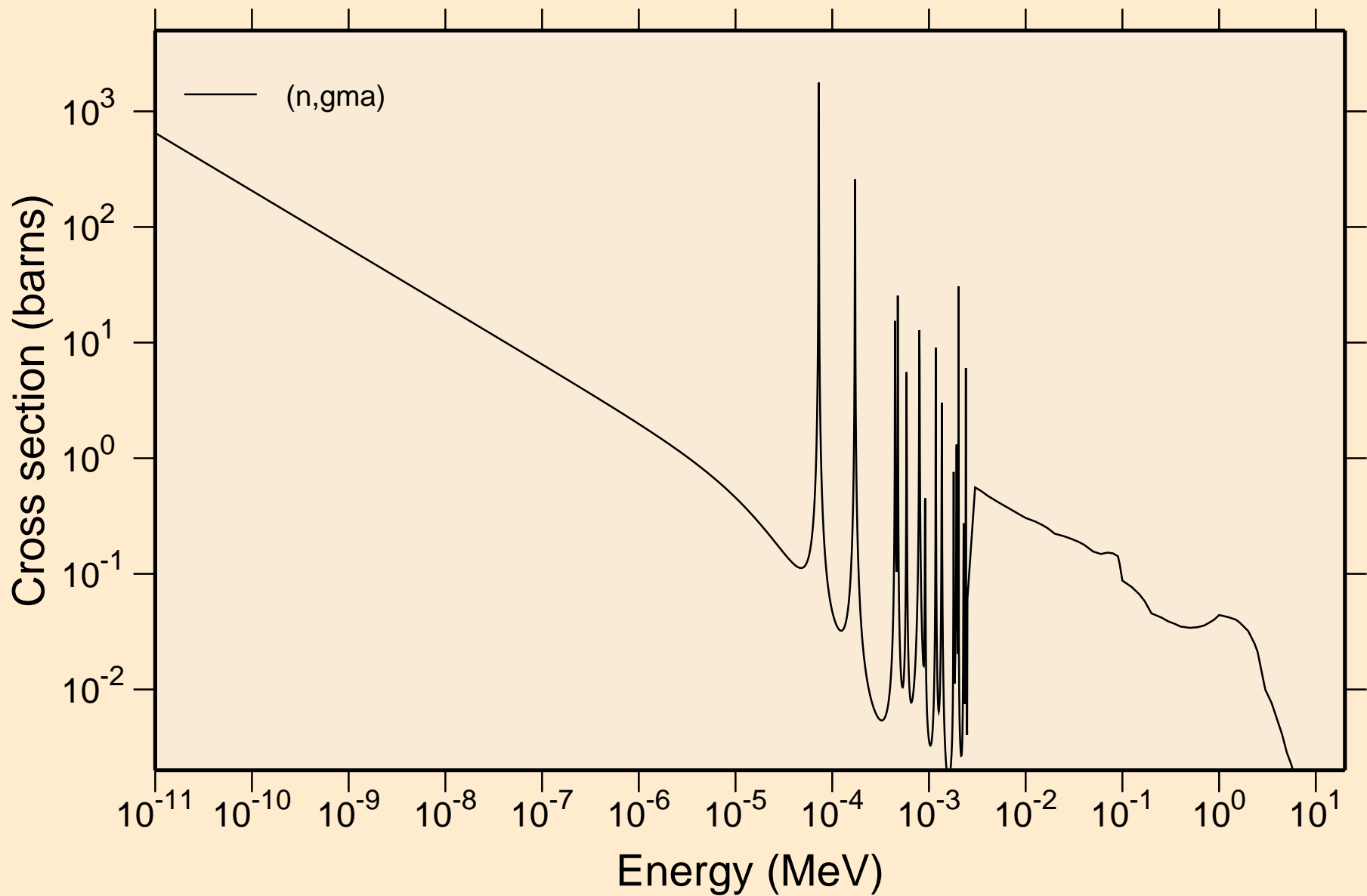
# 72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C Damage



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Non-threshold reactions

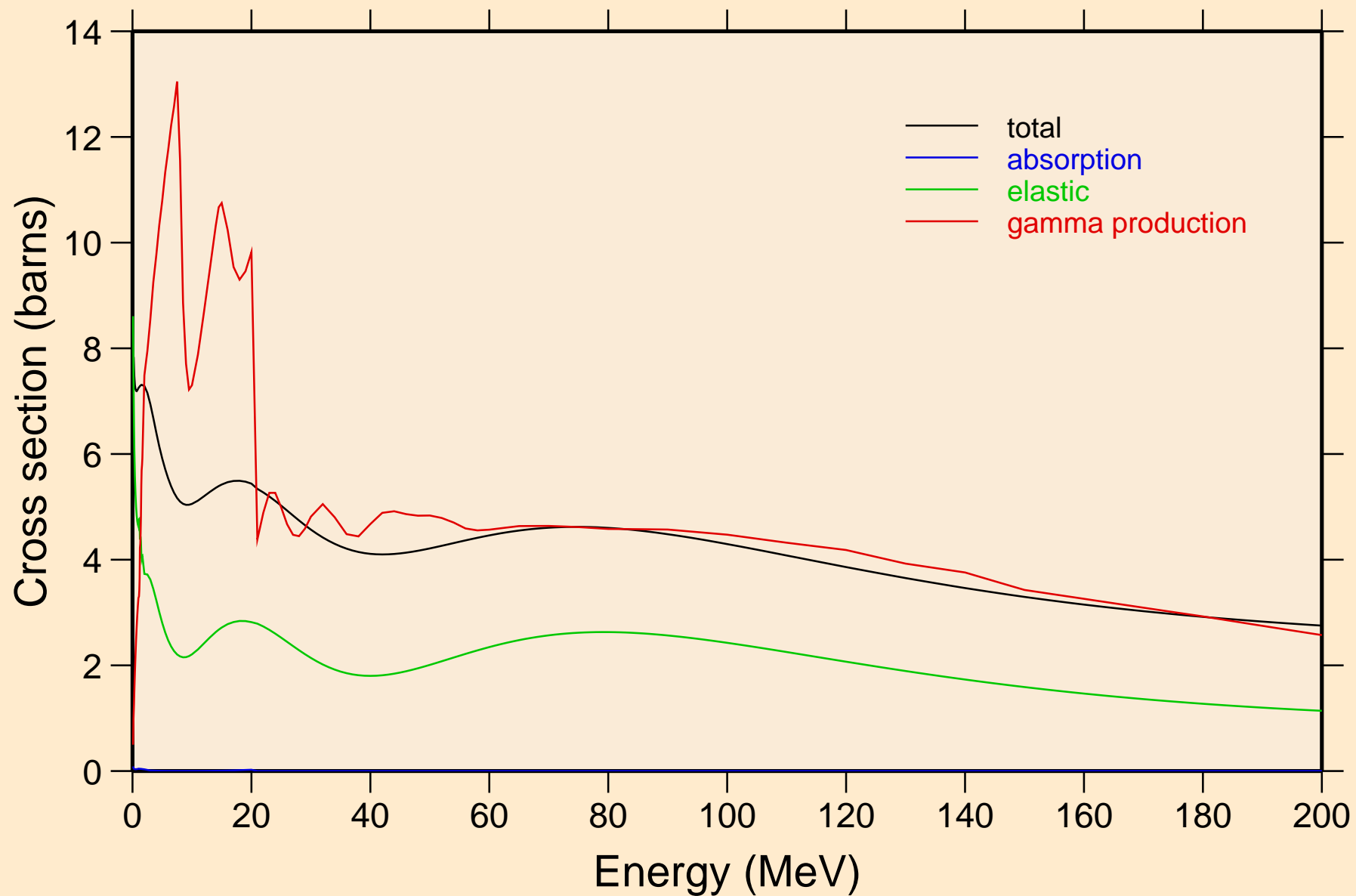


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Non-threshold reactions



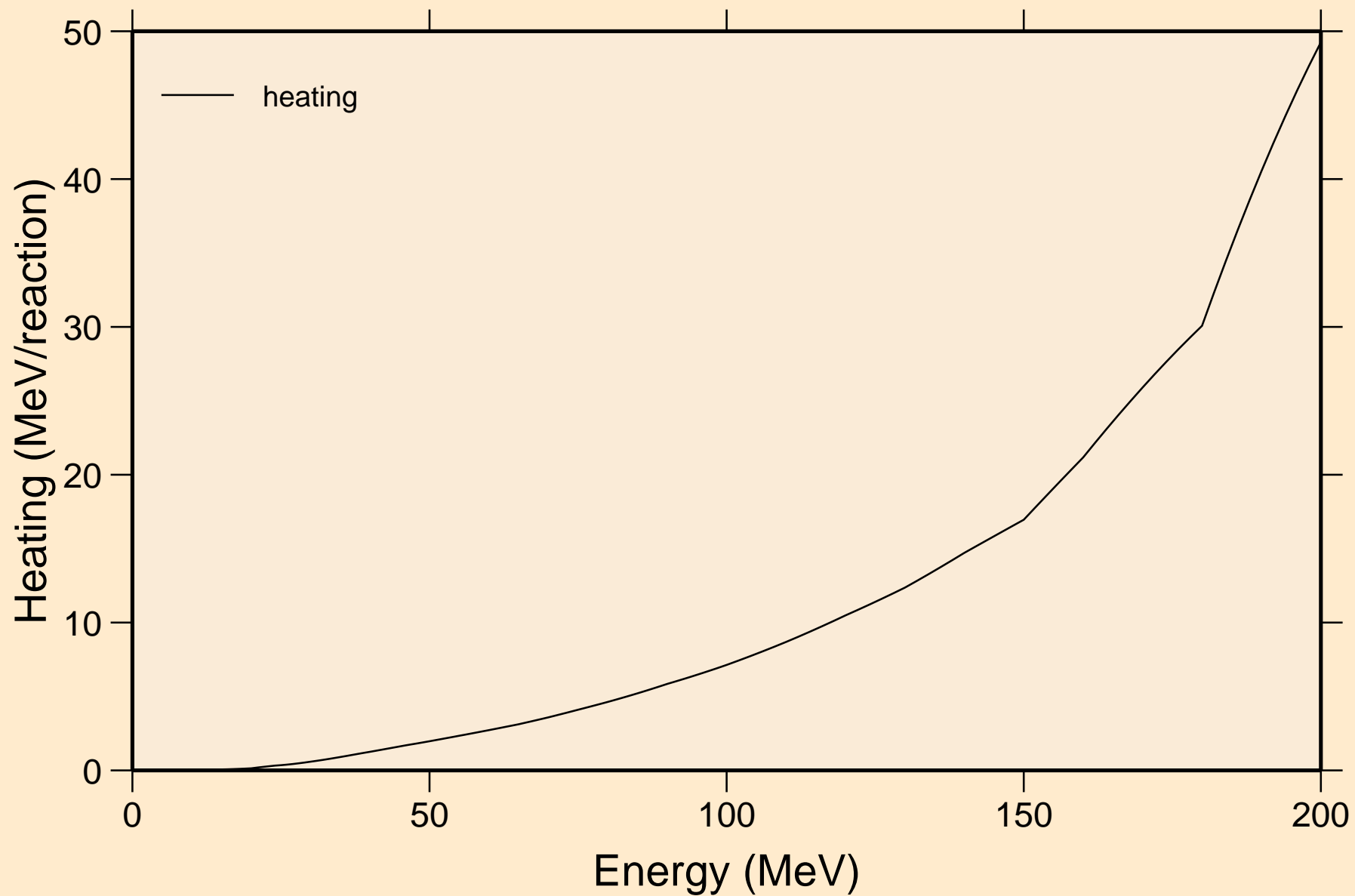
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C

### Principal cross sections

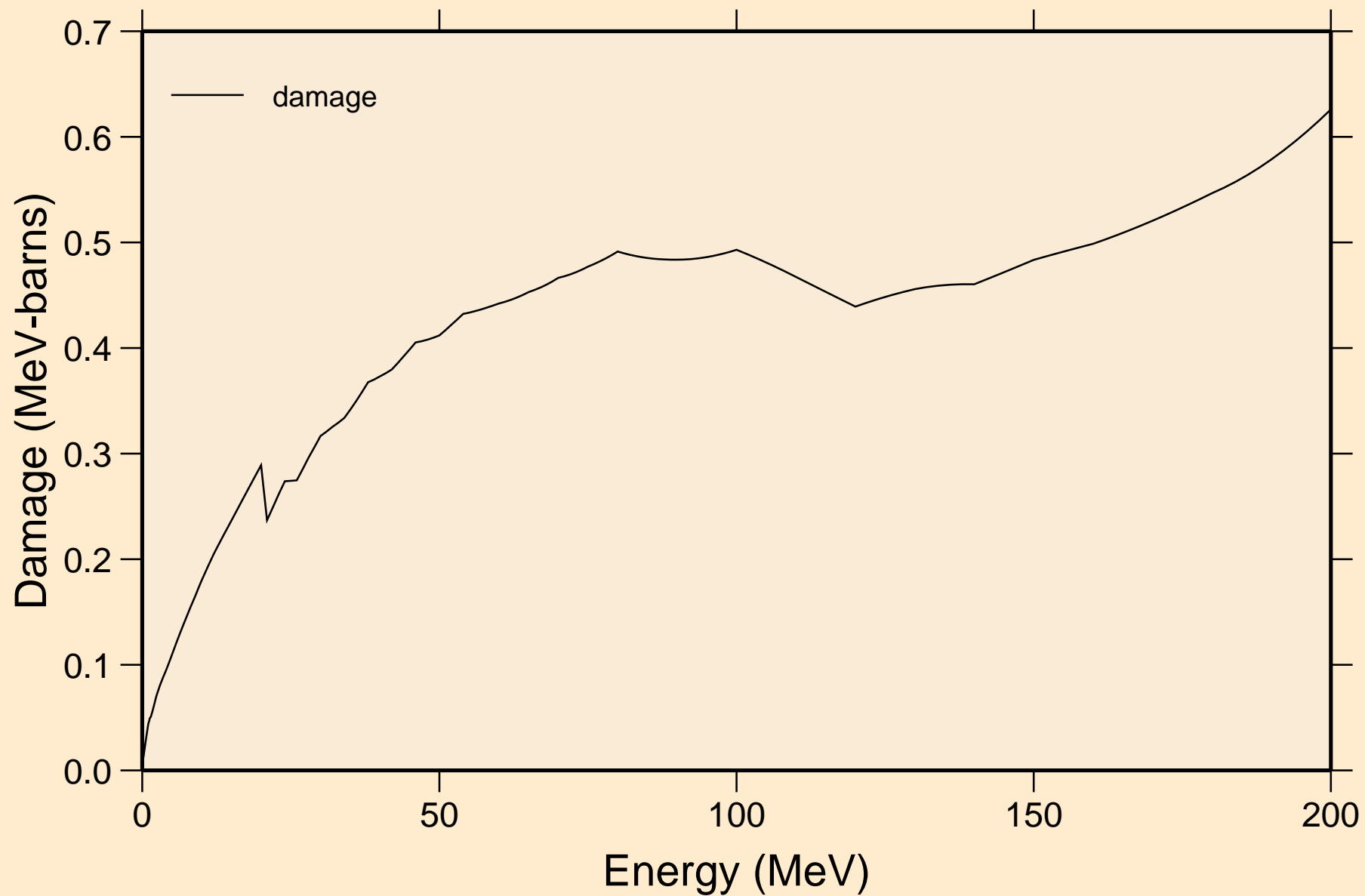




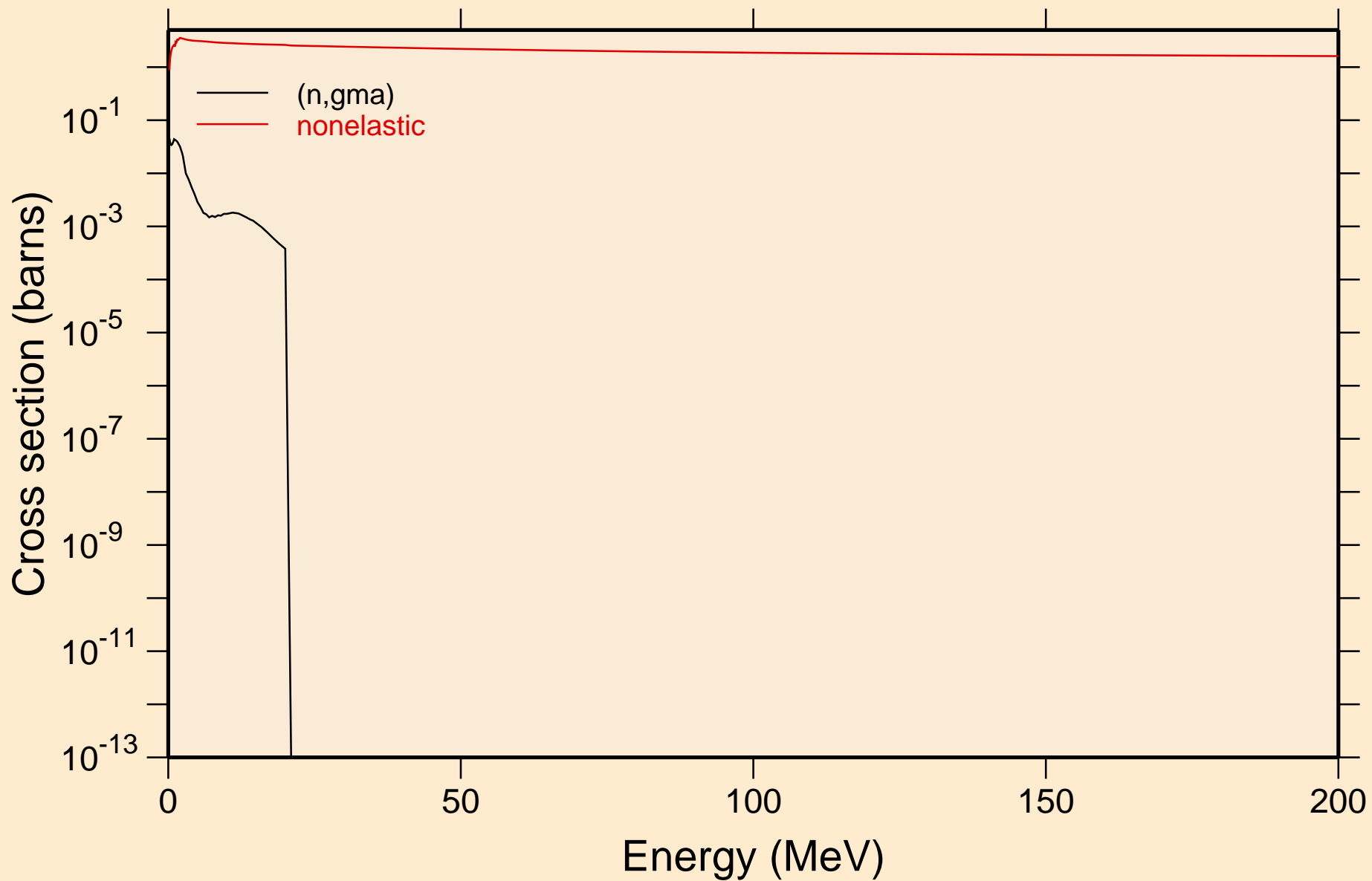
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Heating



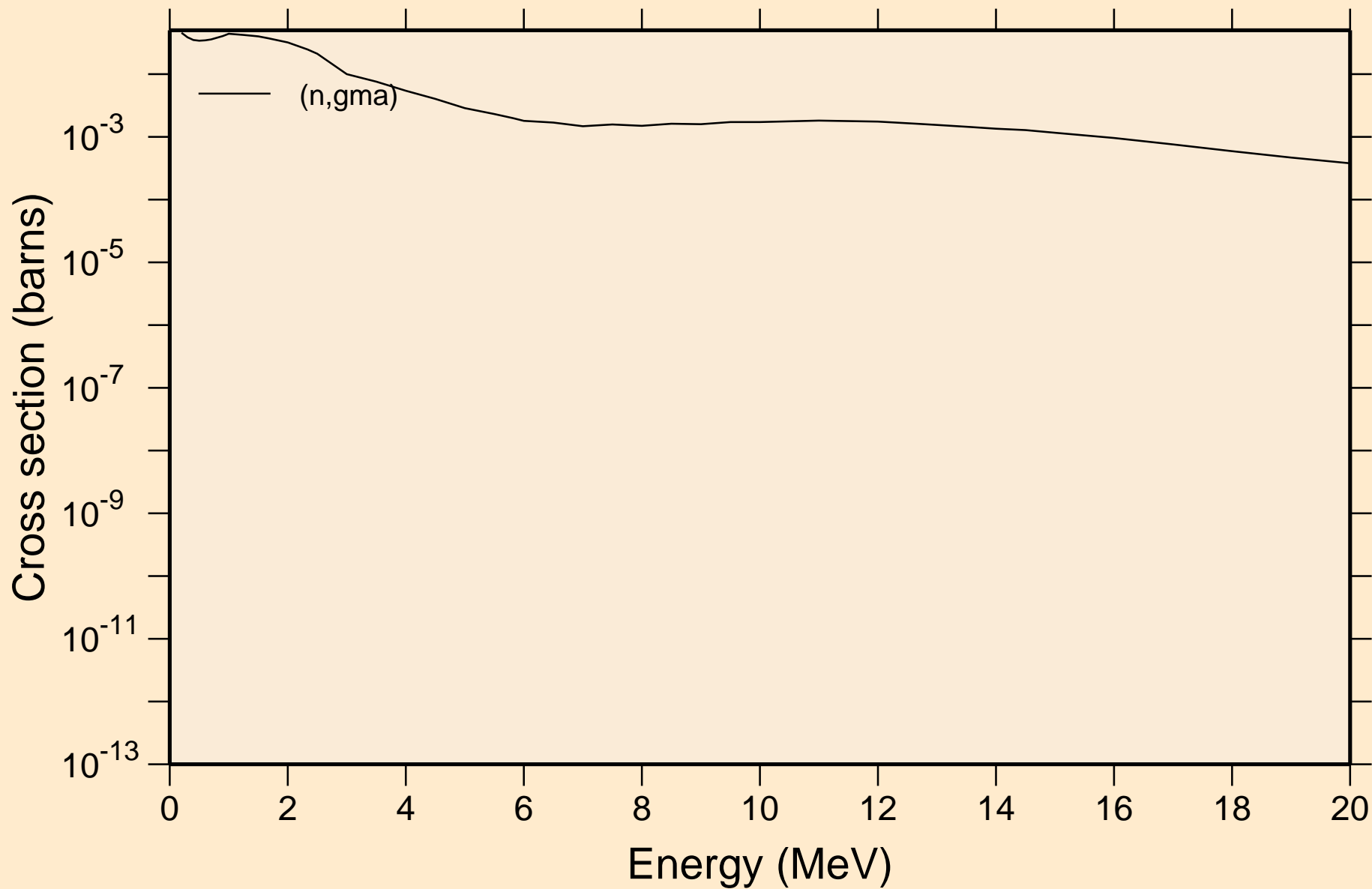
# 72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C Damage



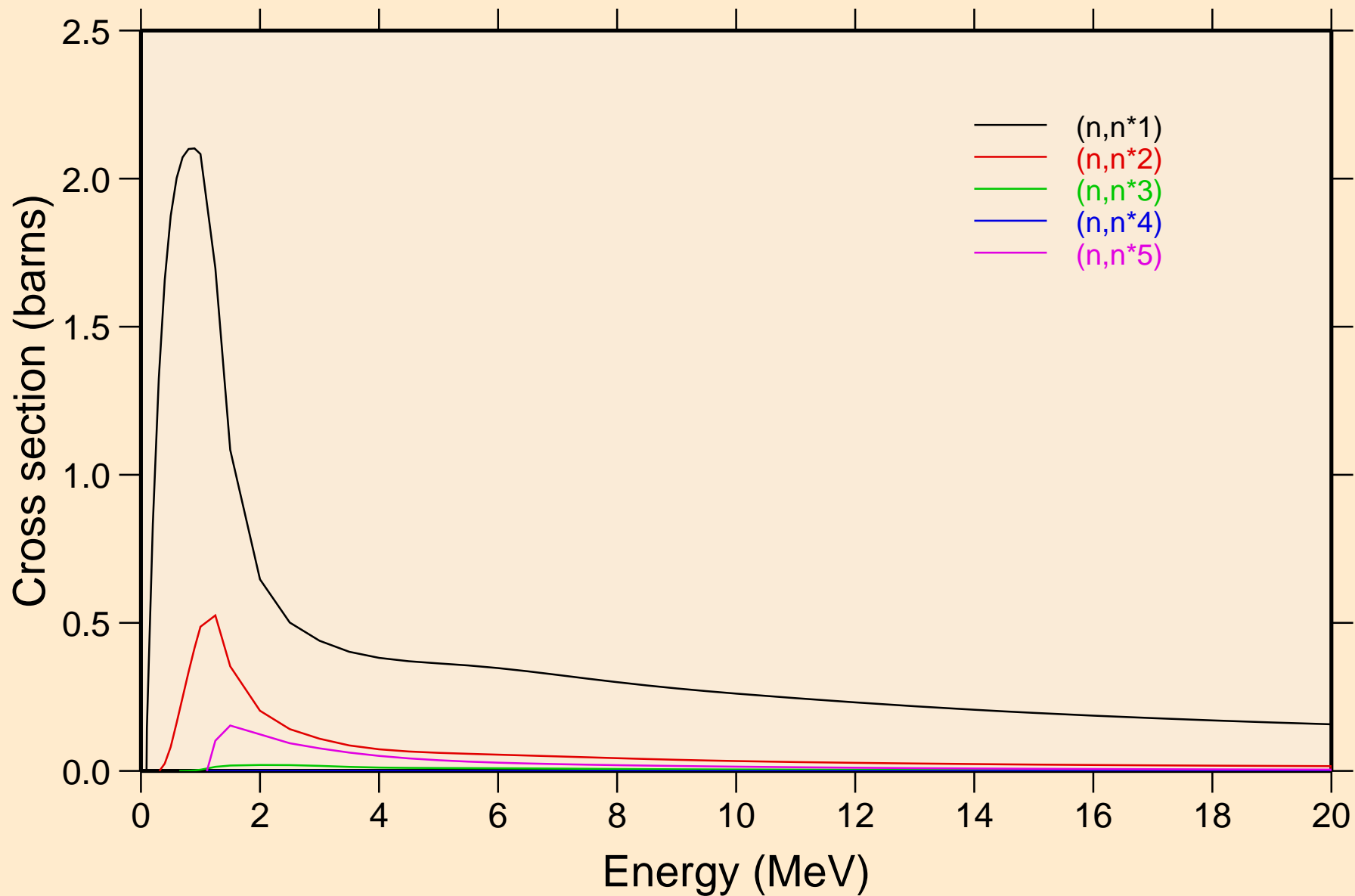
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Non-threshold reactions



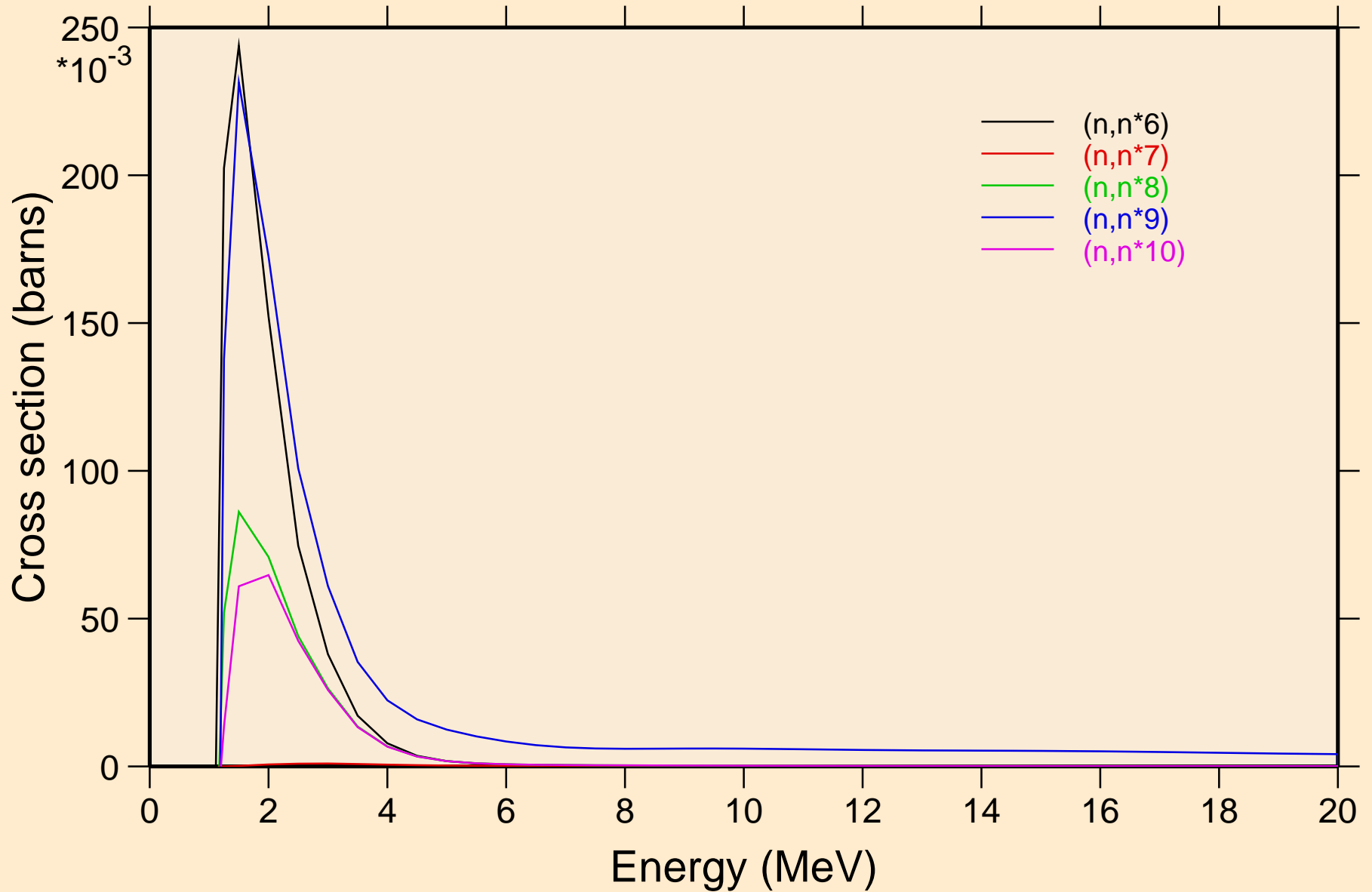
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Non-threshold reactions



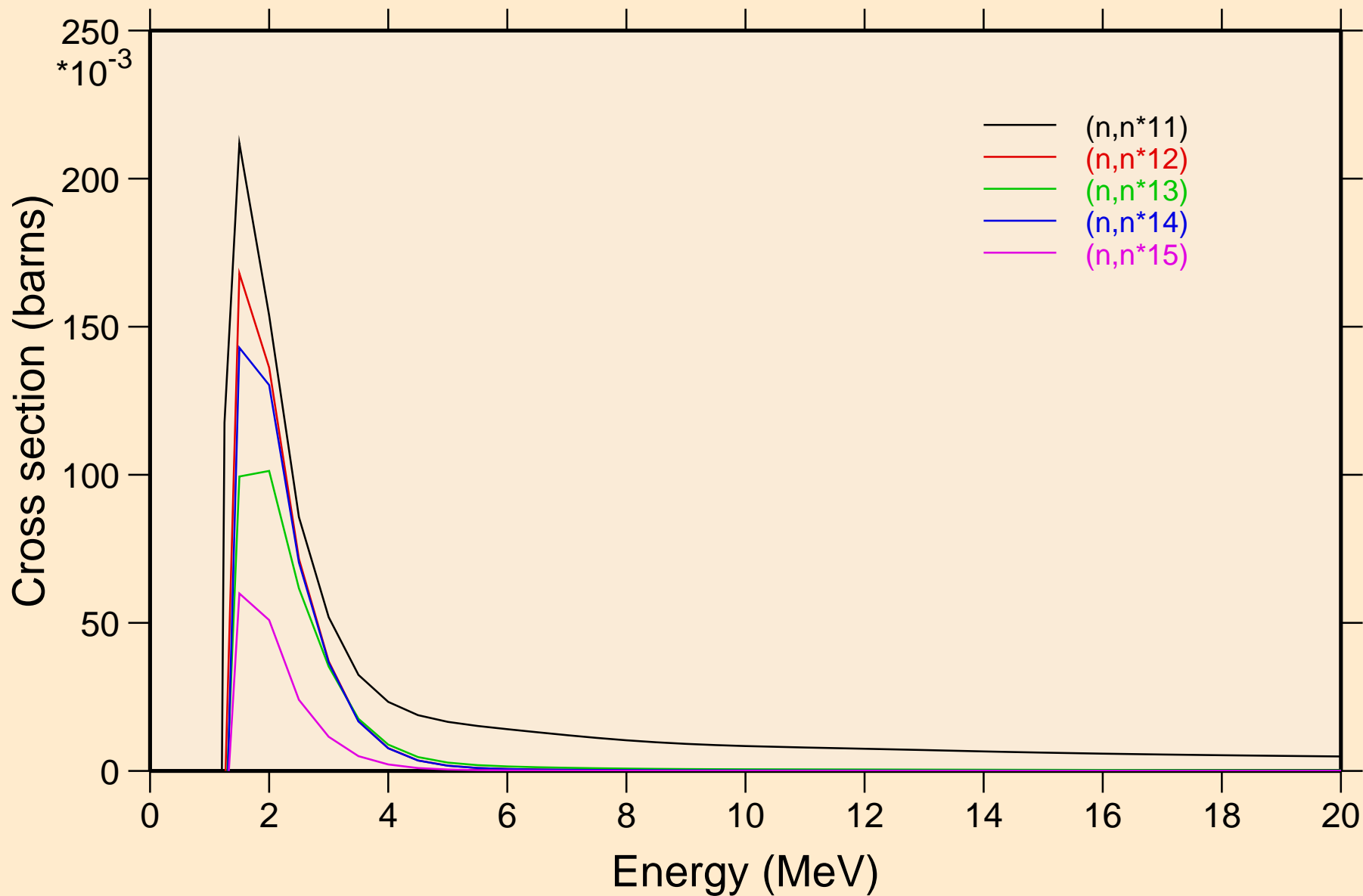
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Inelastic levels



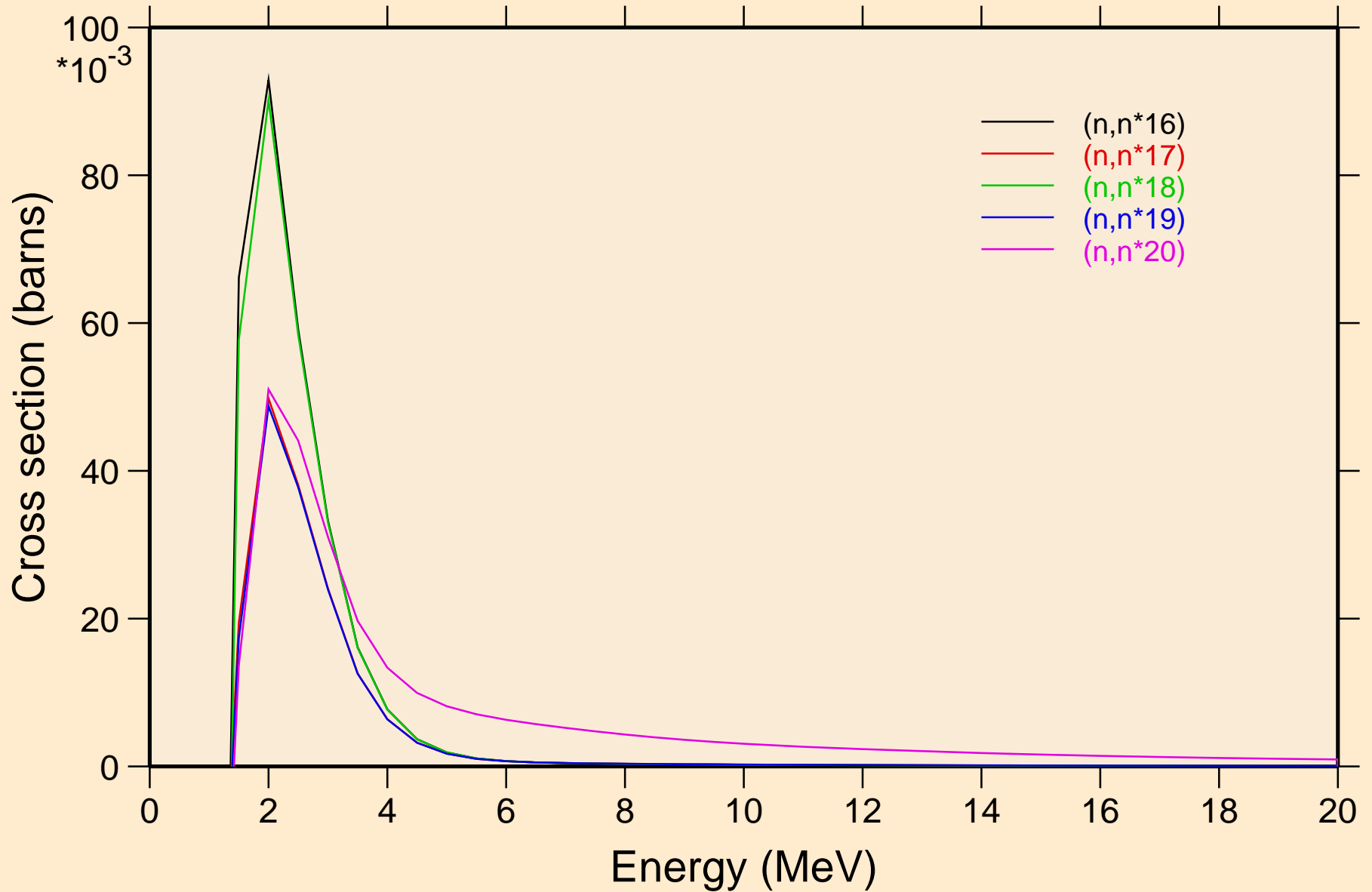
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Inelastic levels



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Inelastic levels



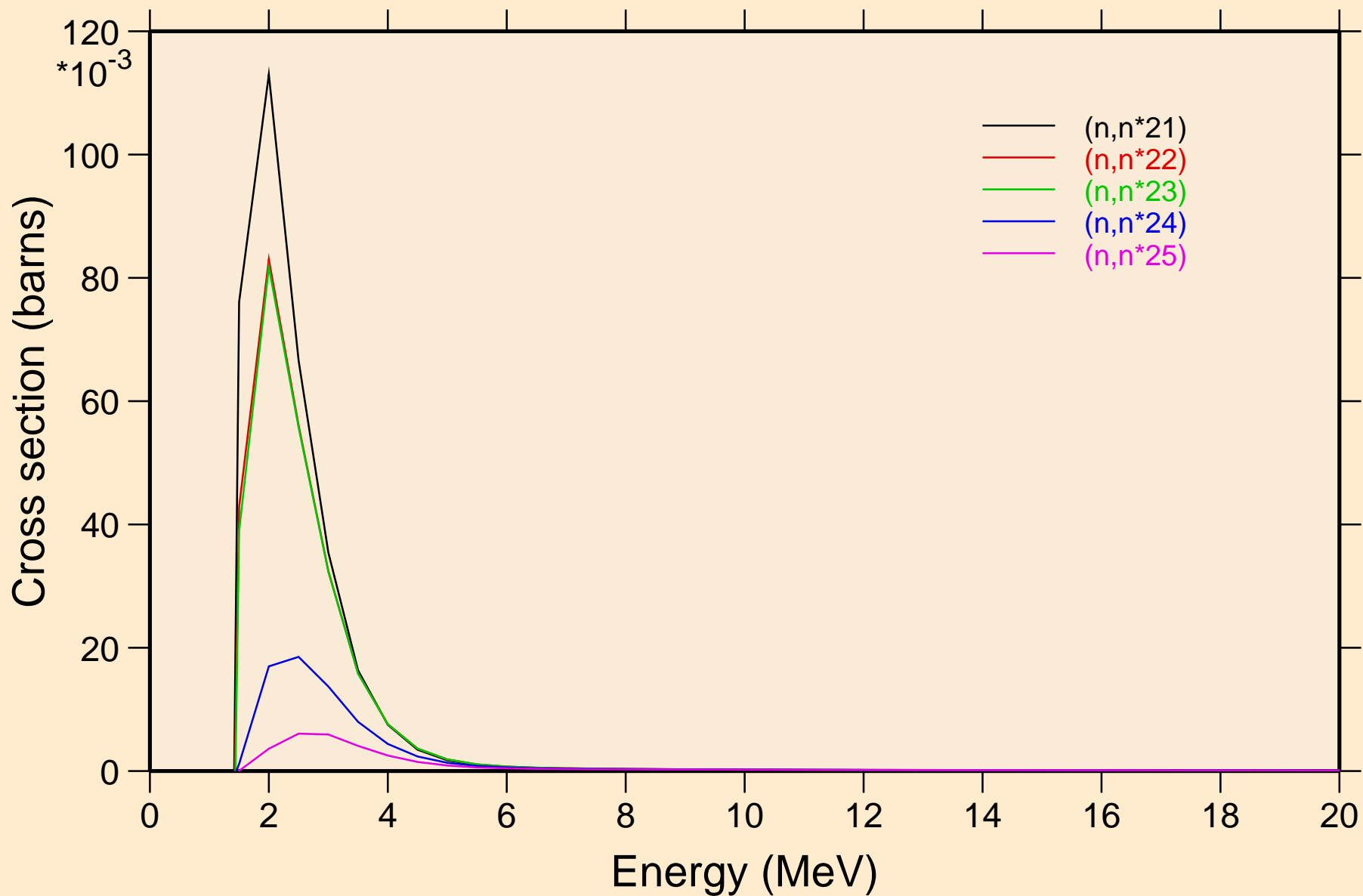
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Inelastic levels



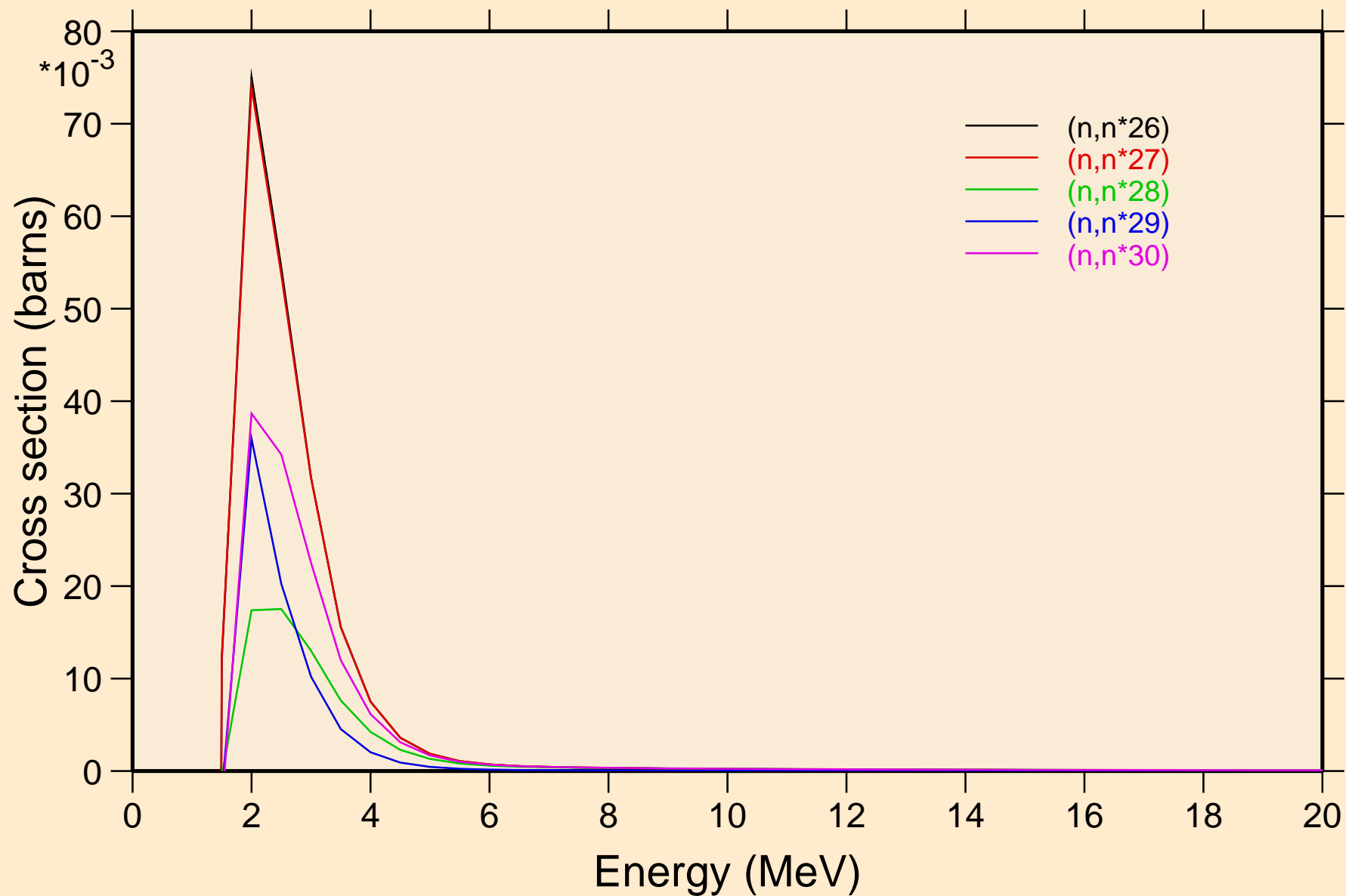


# 72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C

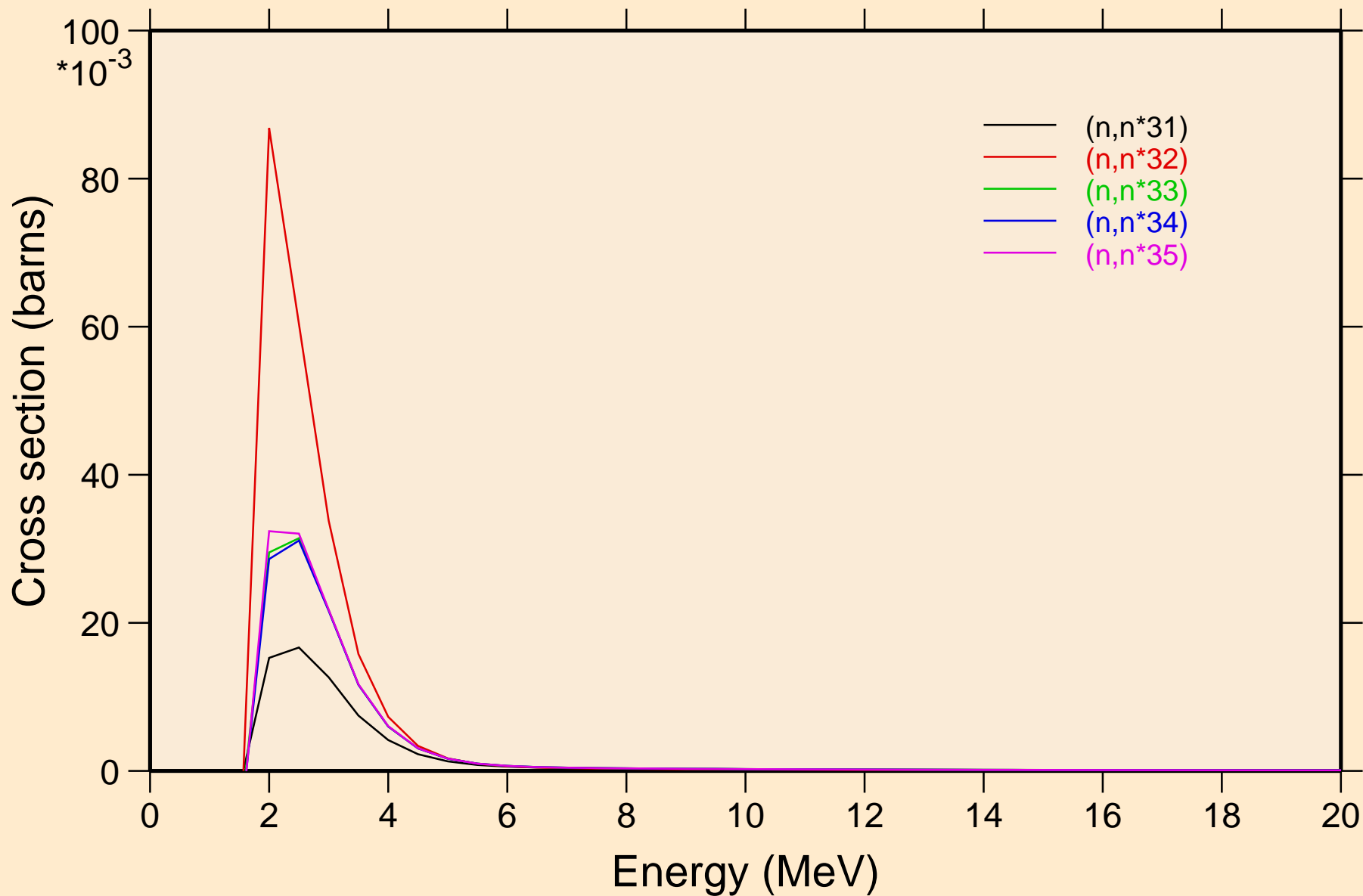
## Inelastic levels



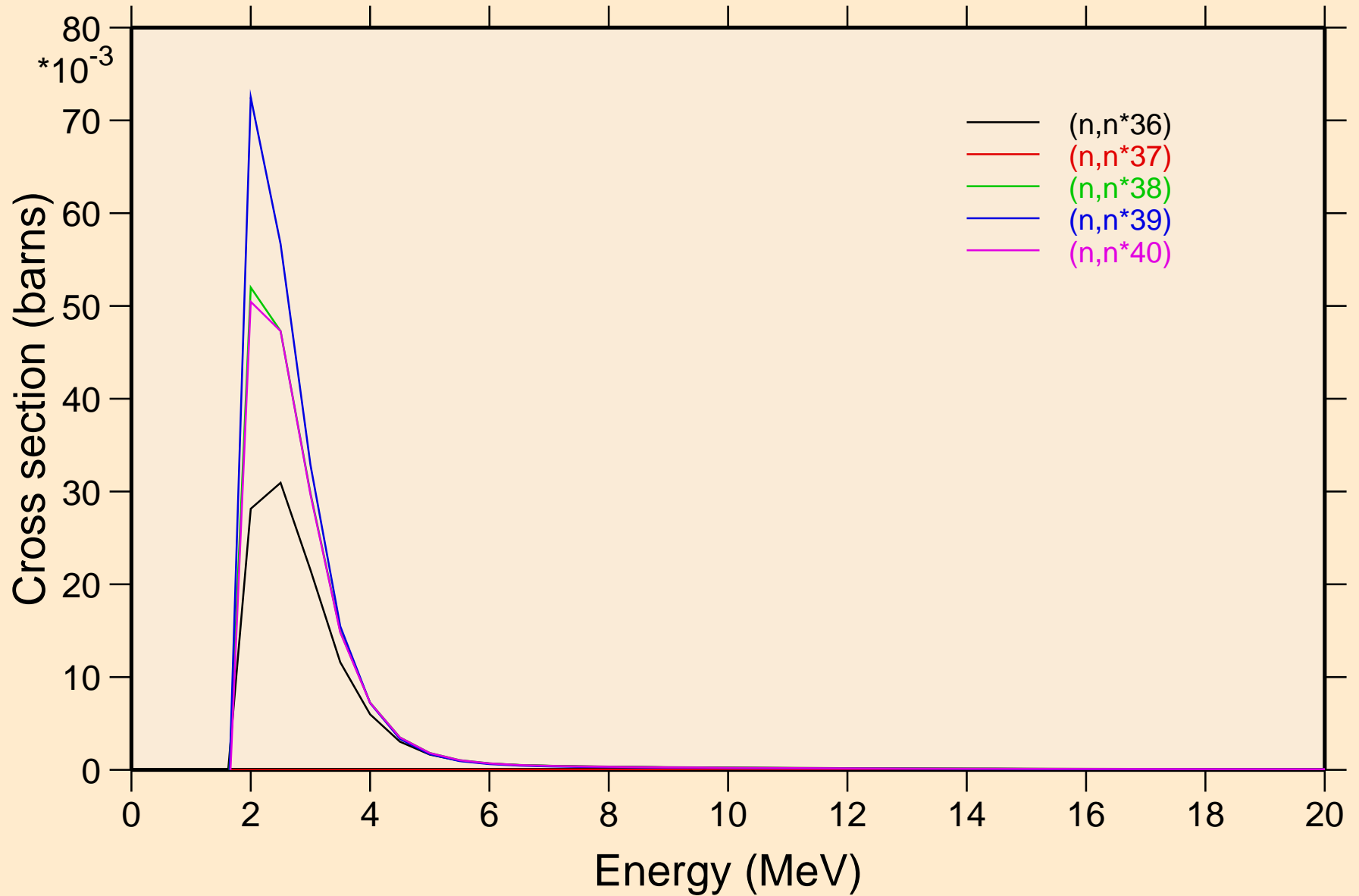
# 72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C Inelastic levels



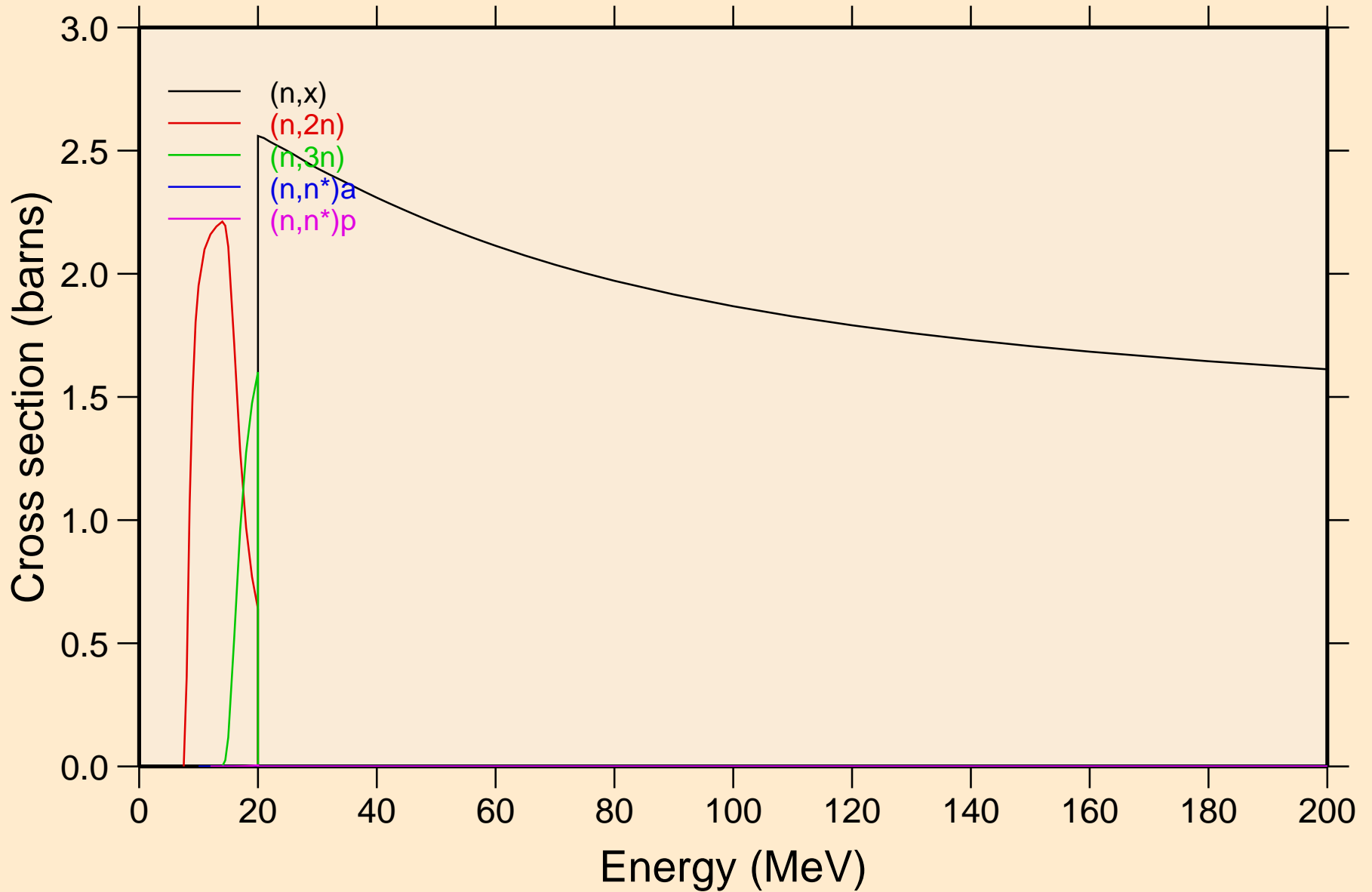
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Inelastic levels



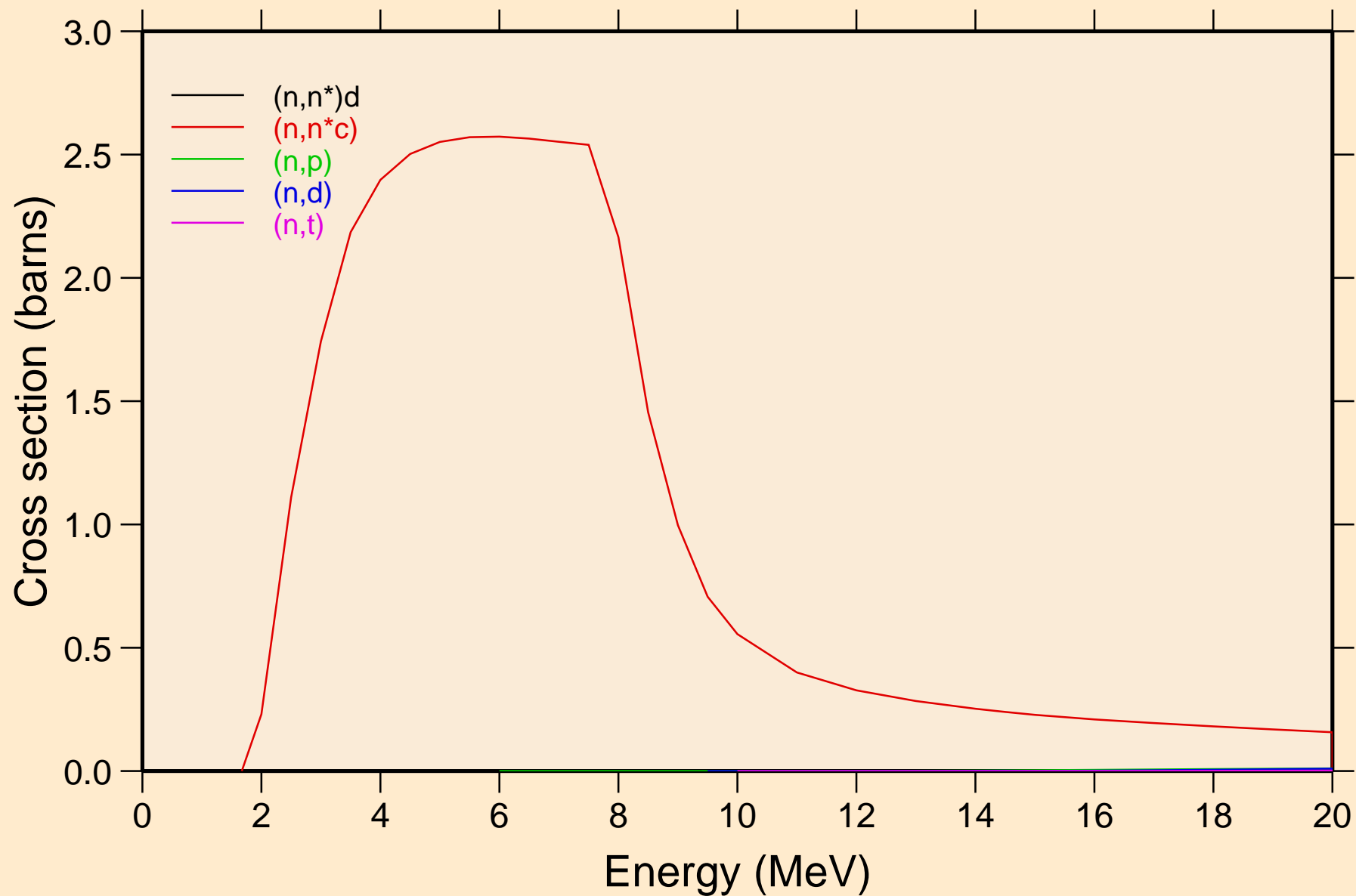
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Inelastic levels



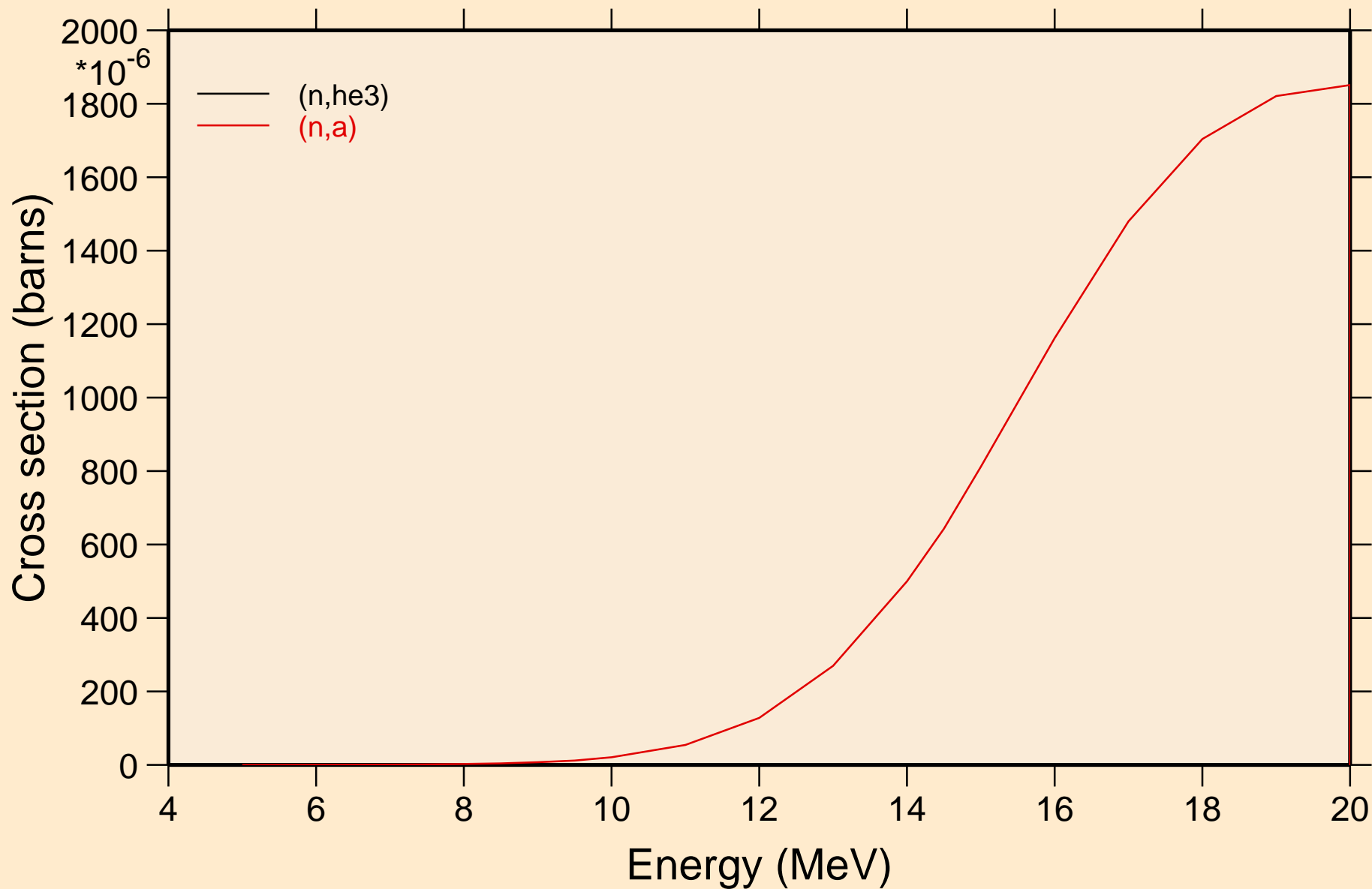
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Threshold reactions



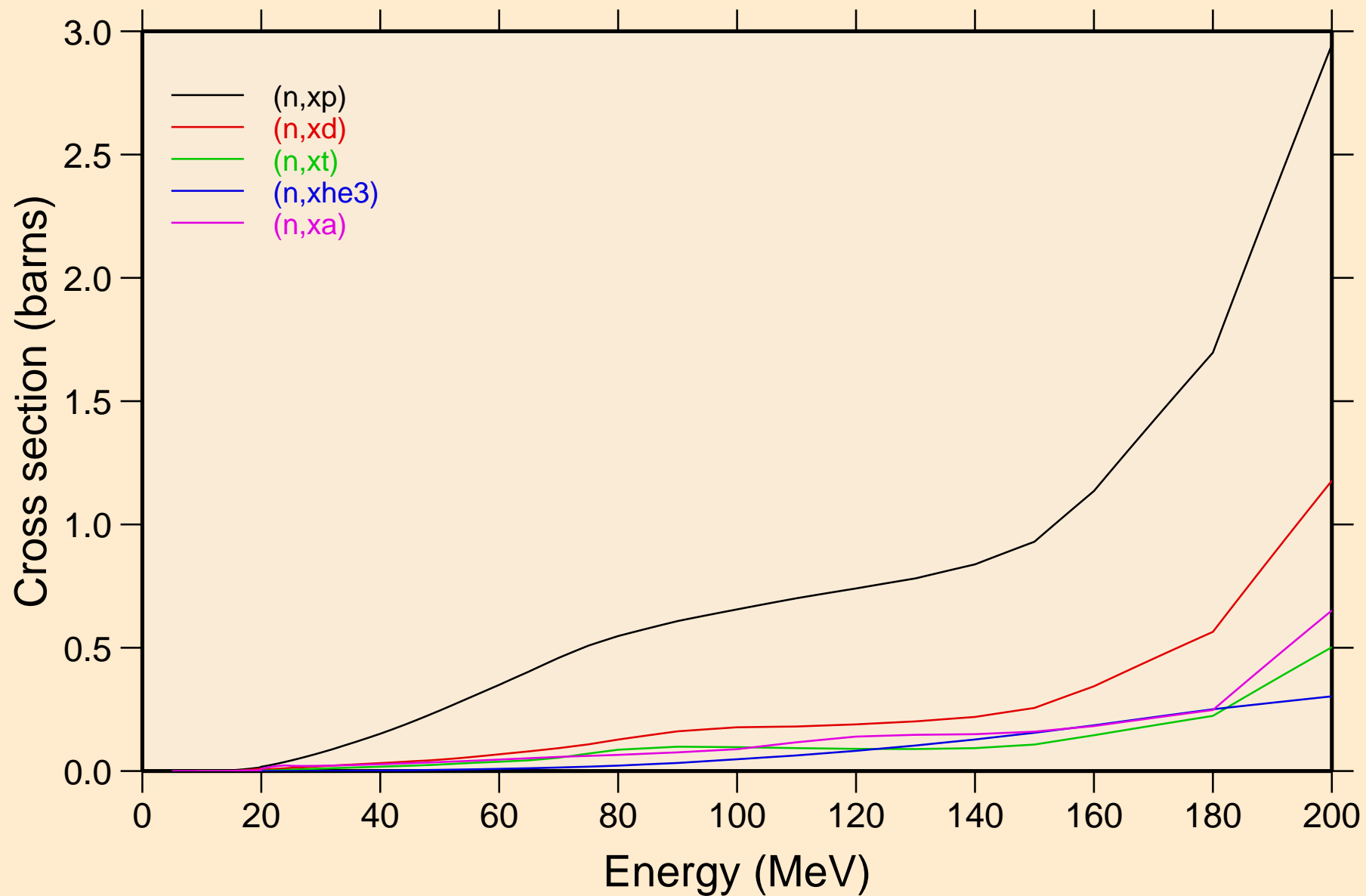
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Threshold reactions



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Threshold reactions

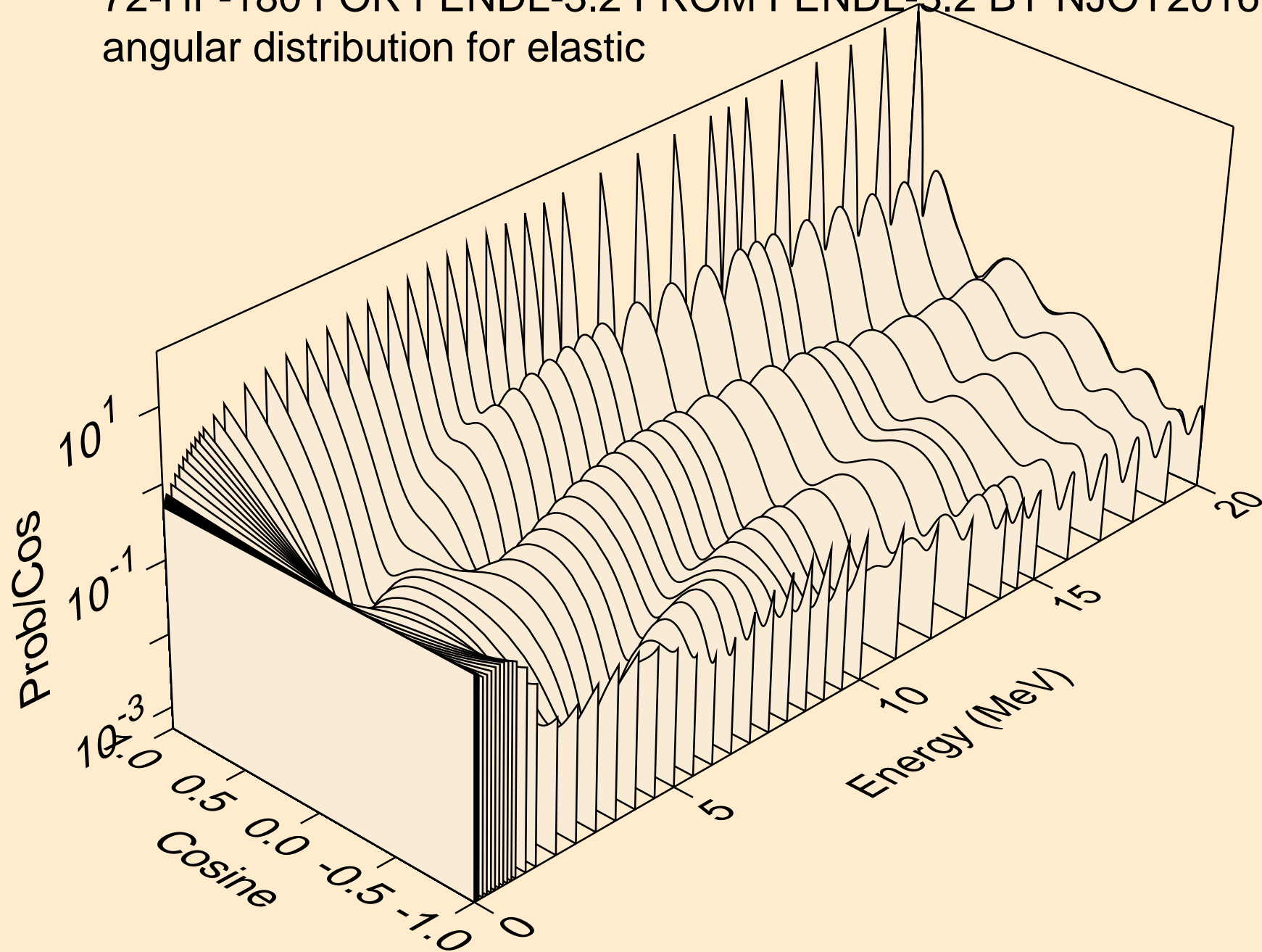


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Threshold reactions

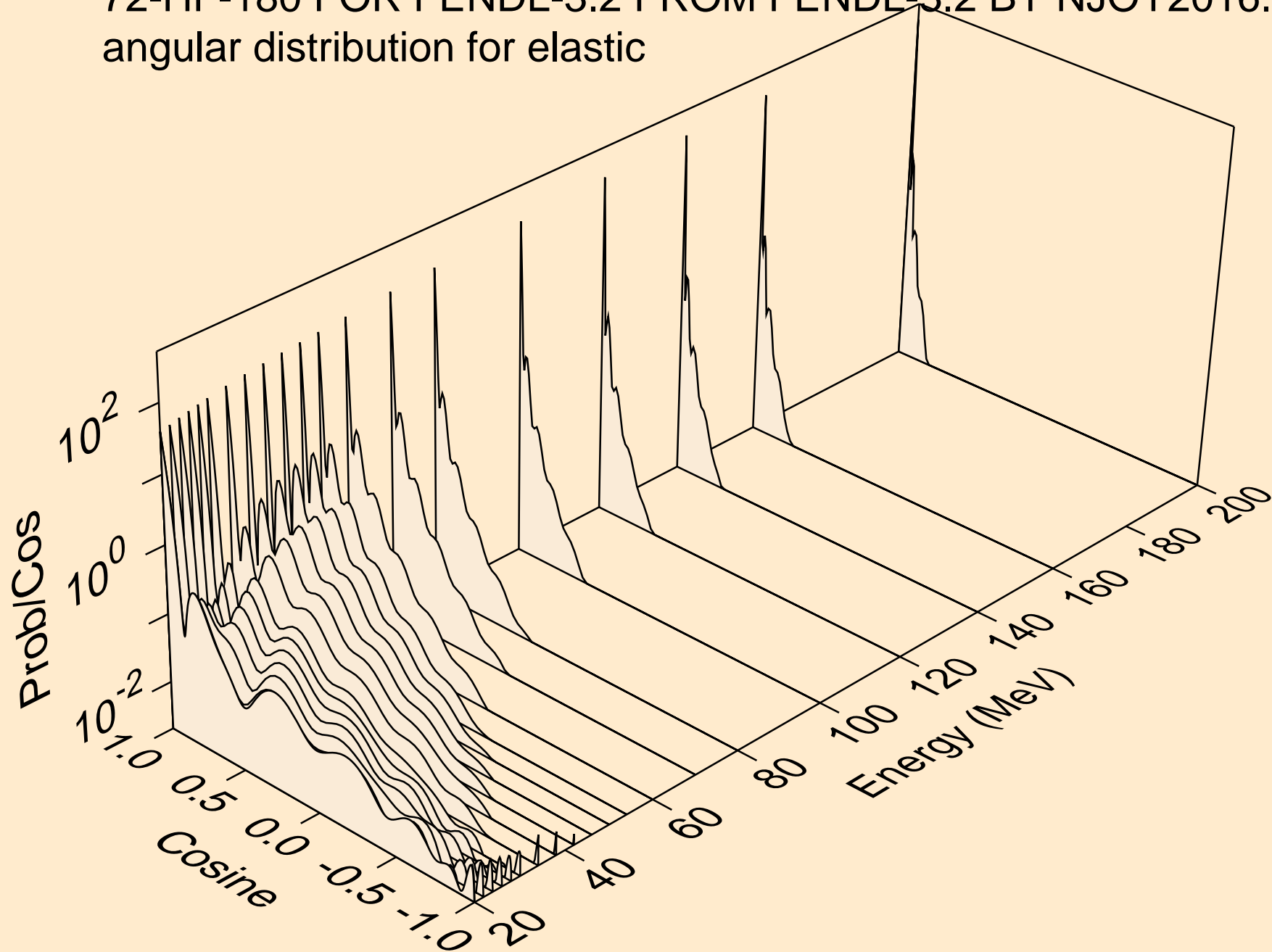




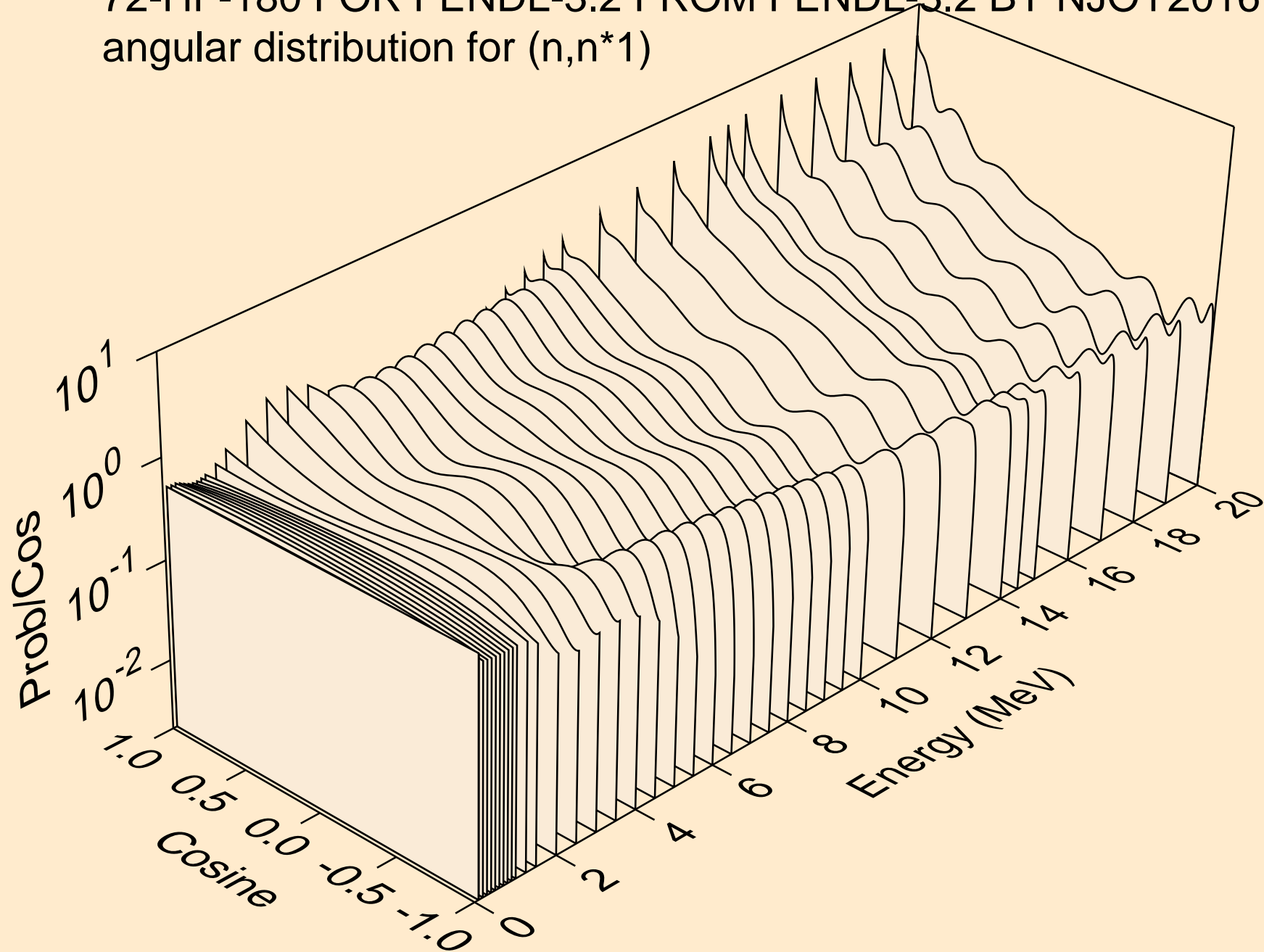
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for elastic



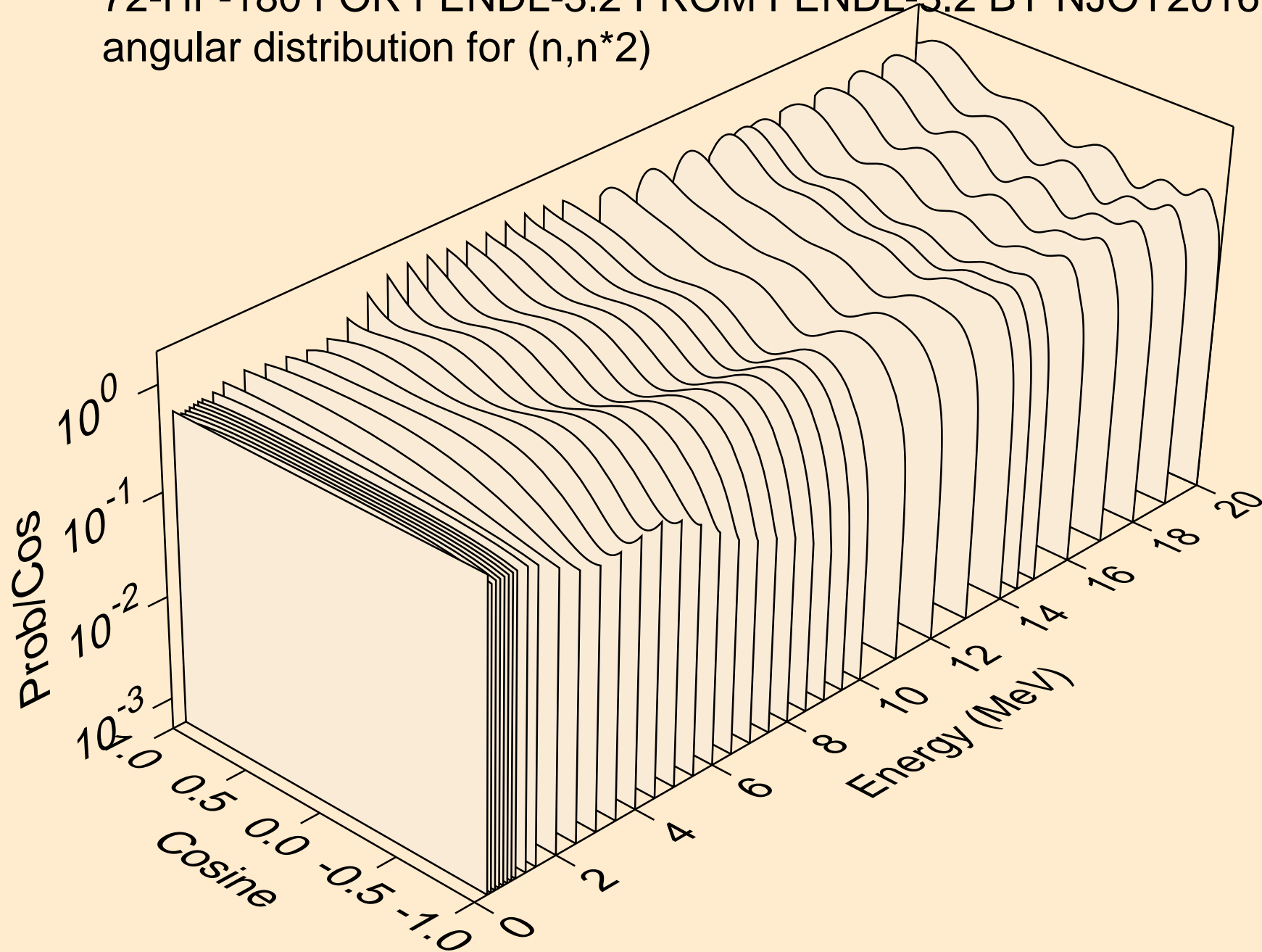
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for elastic



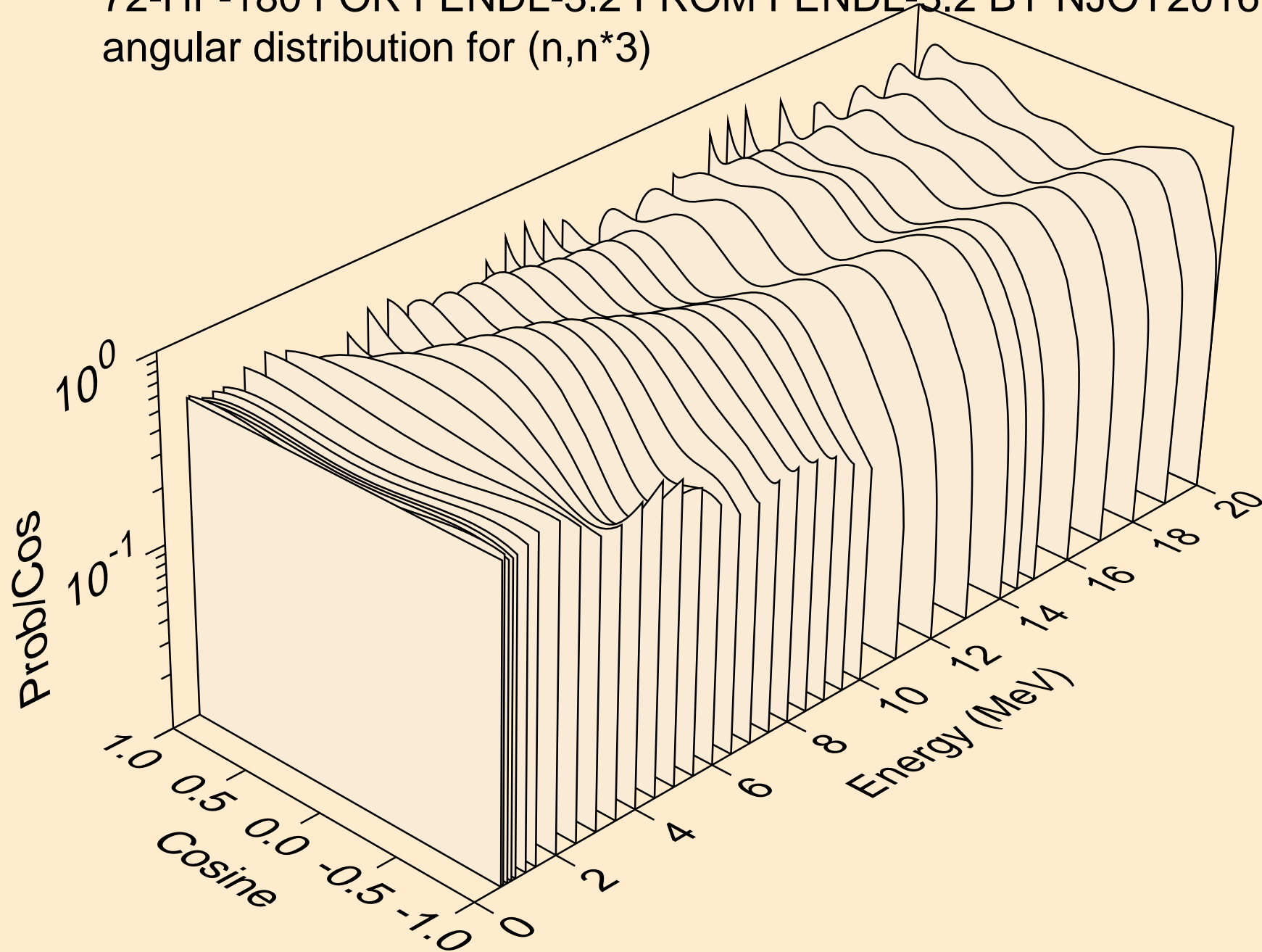
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*1)



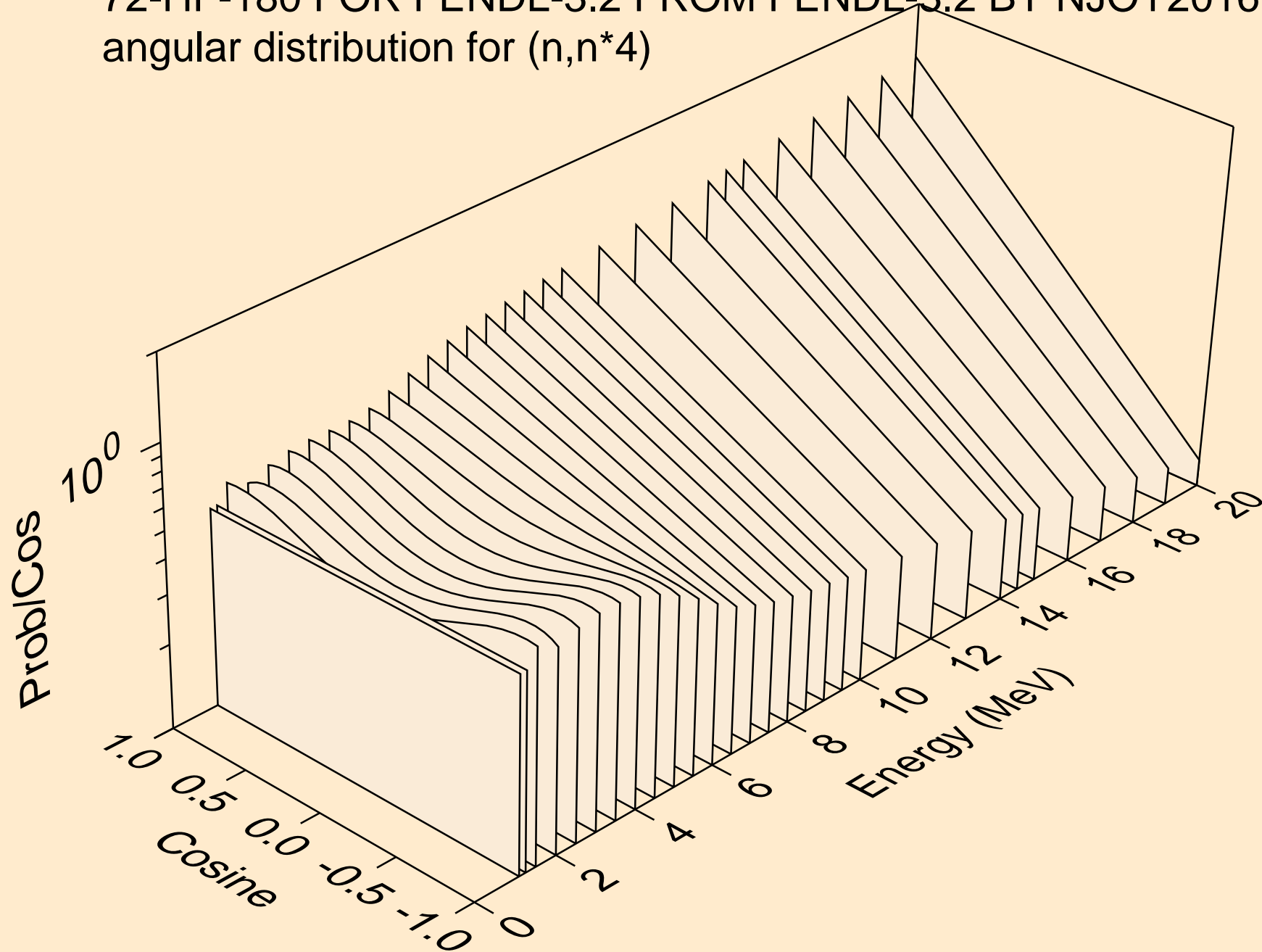
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angular distribution for (n,n\*2)



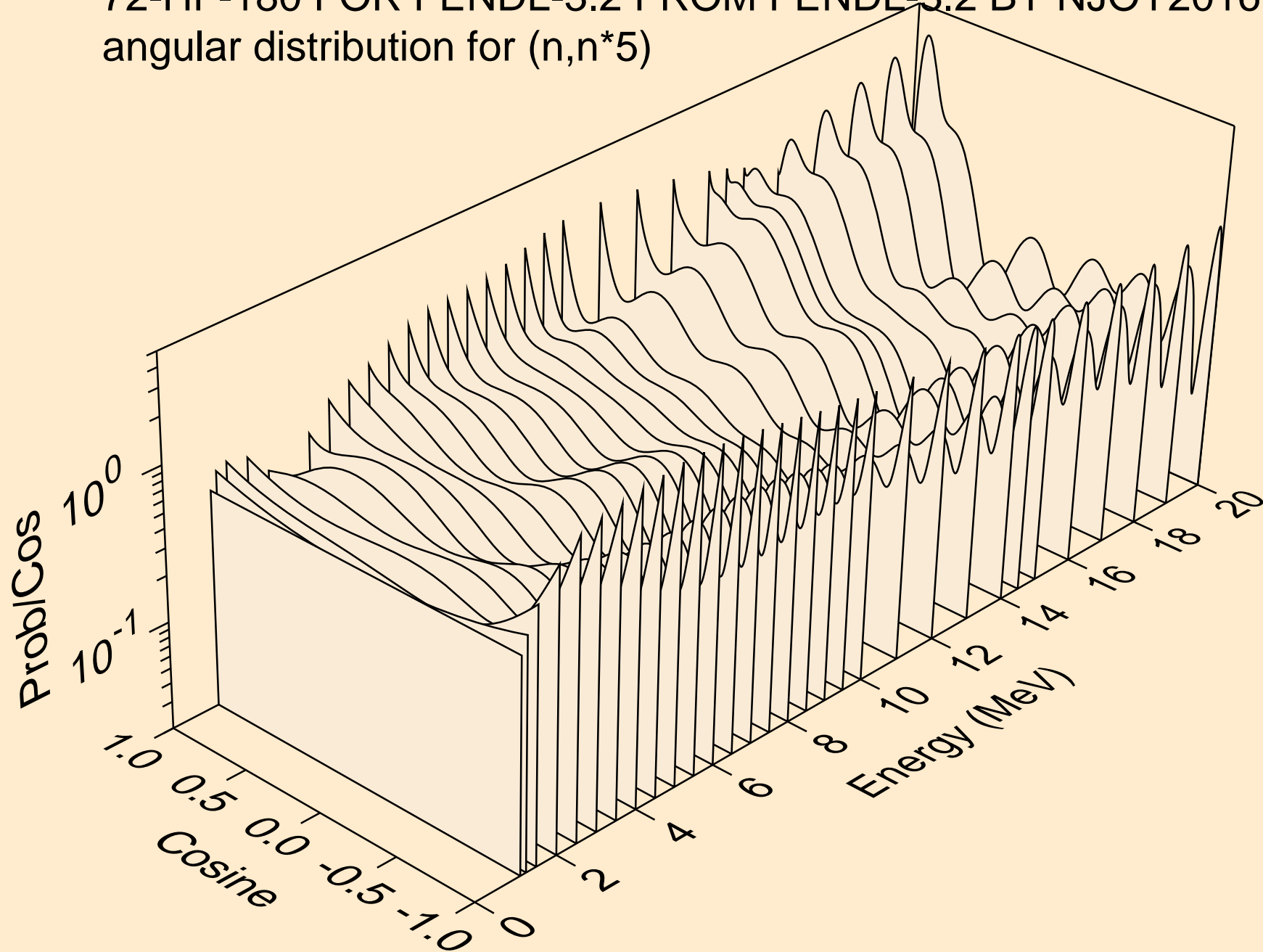
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*3)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*4)

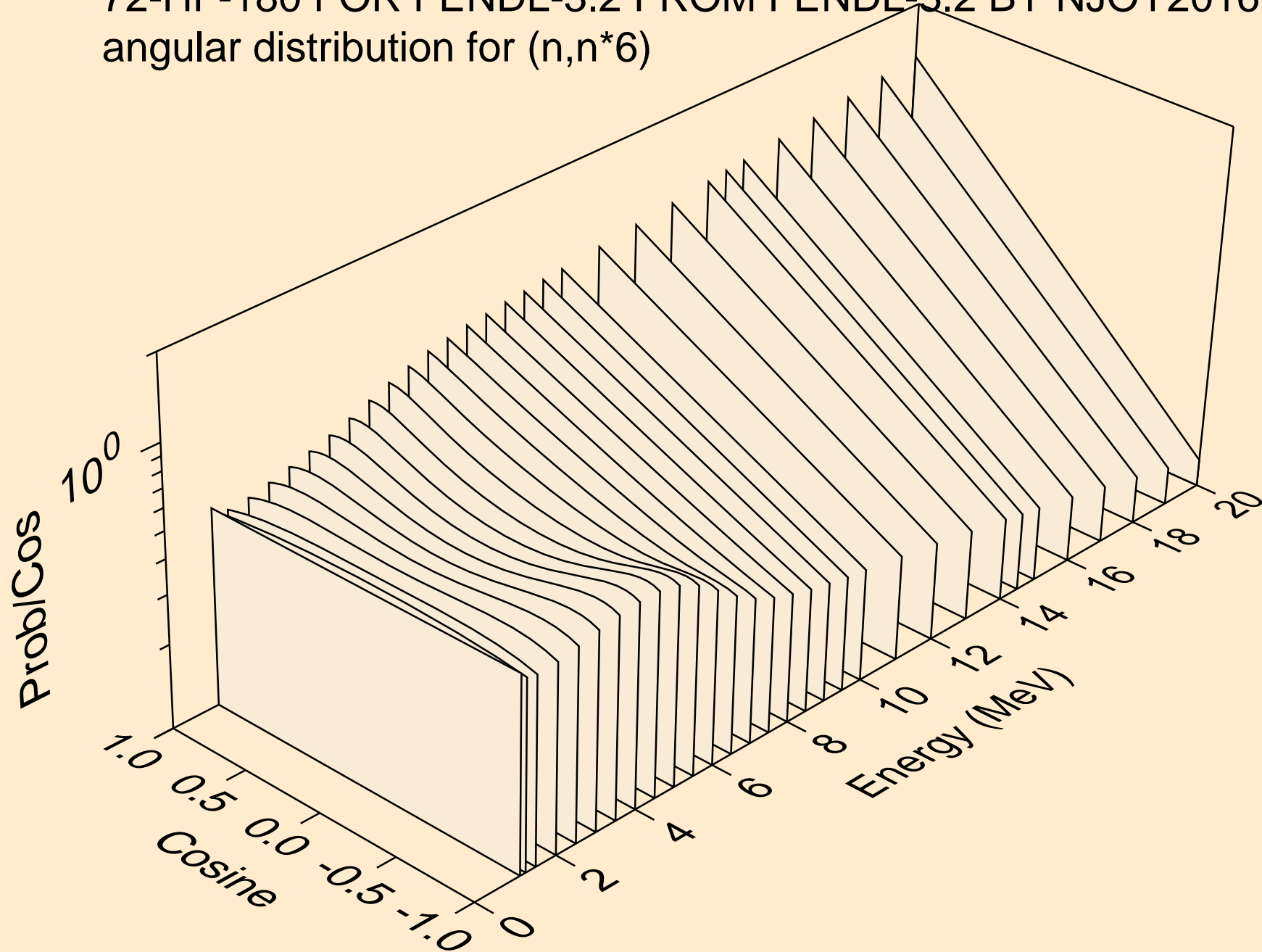


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*5)



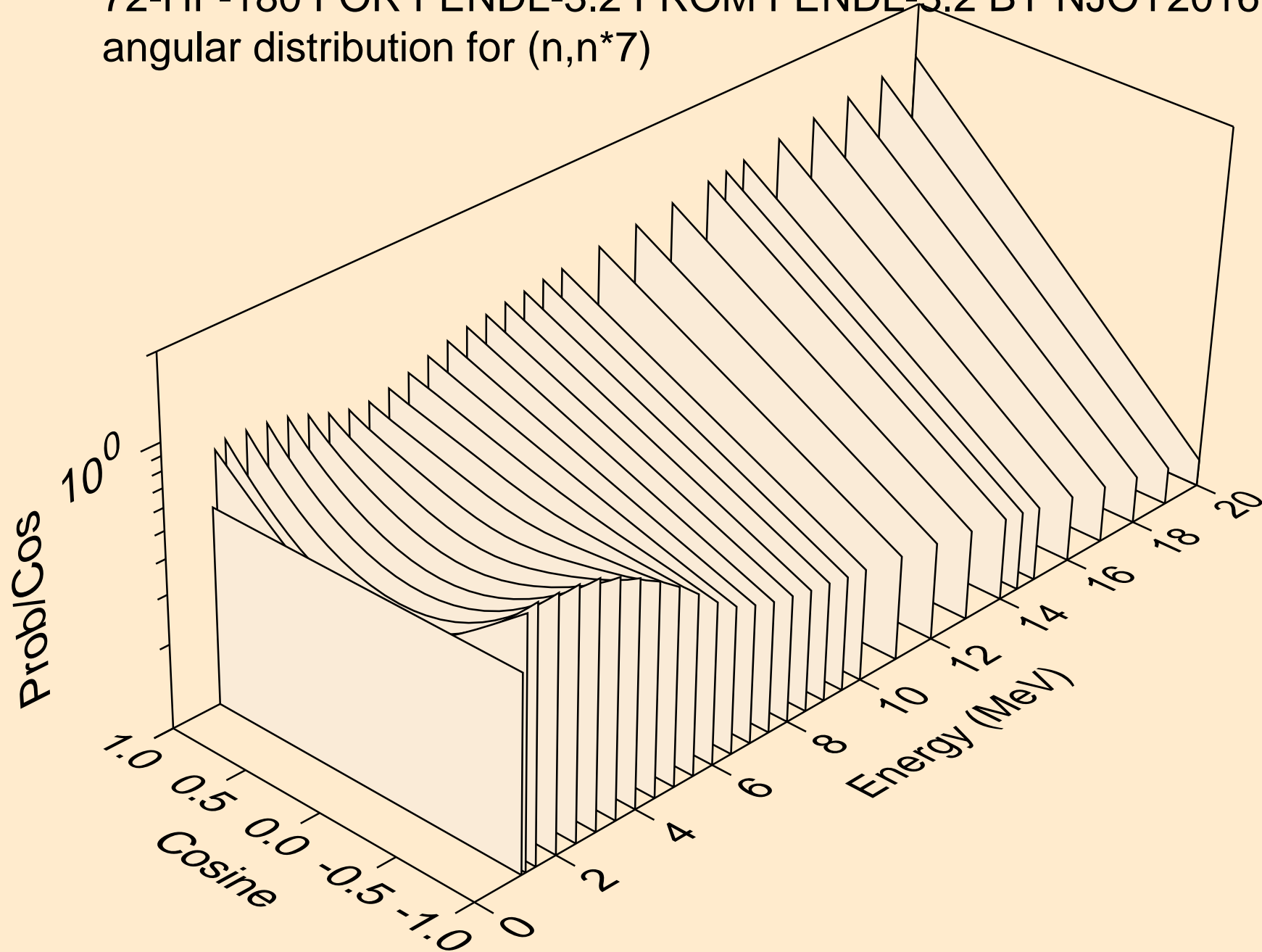


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*6)

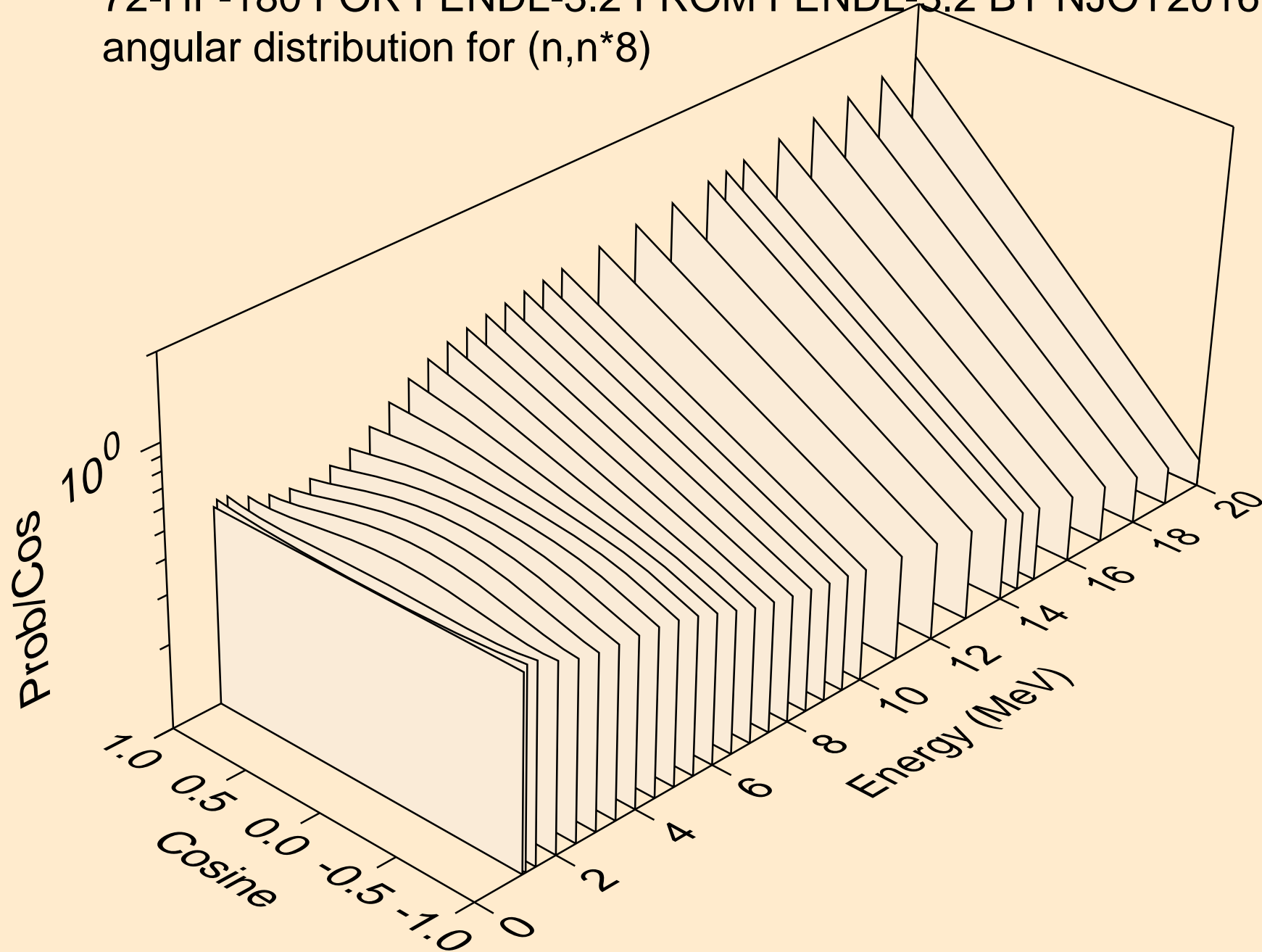




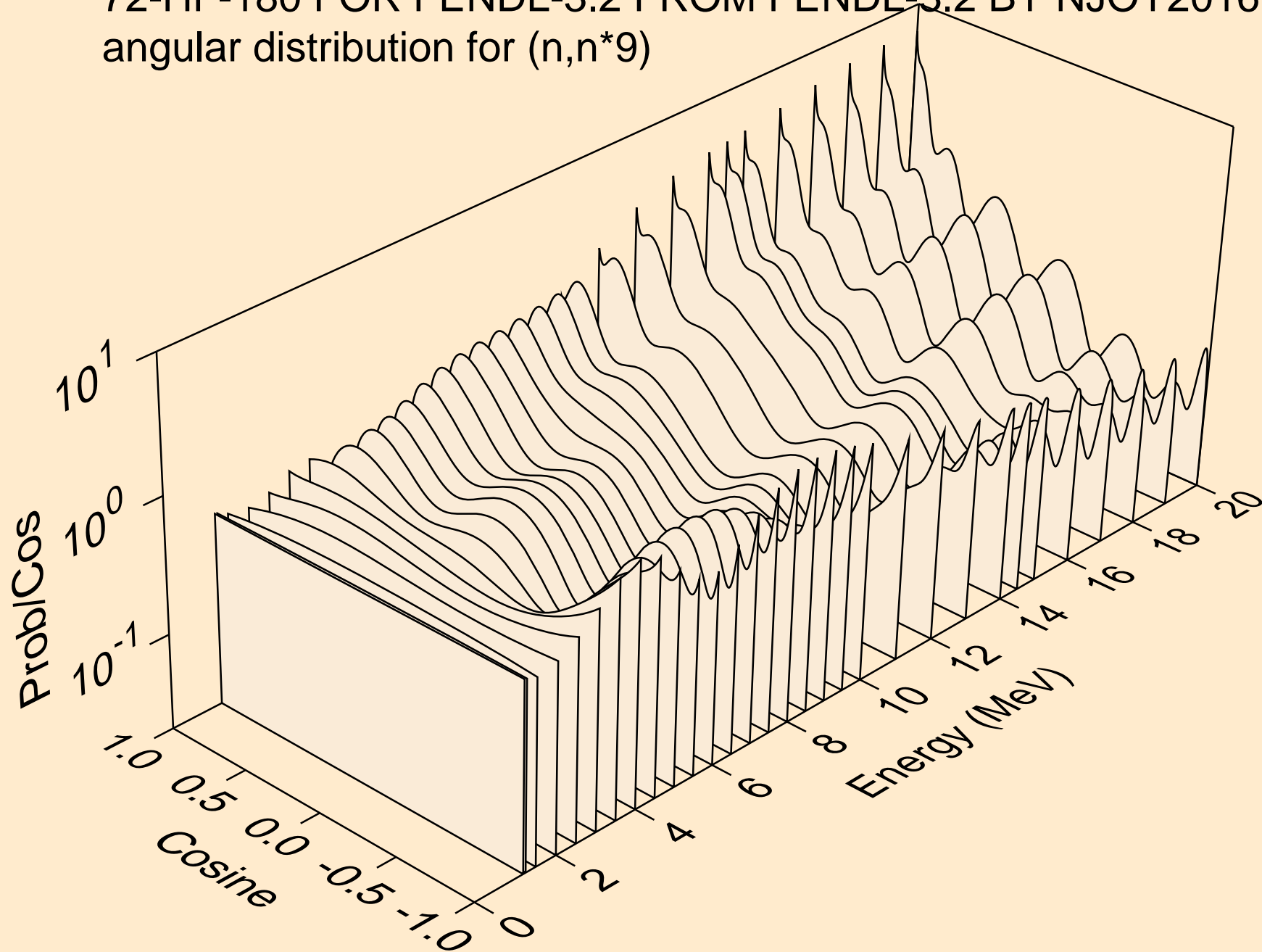
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angular distribution for (n,n\*7)



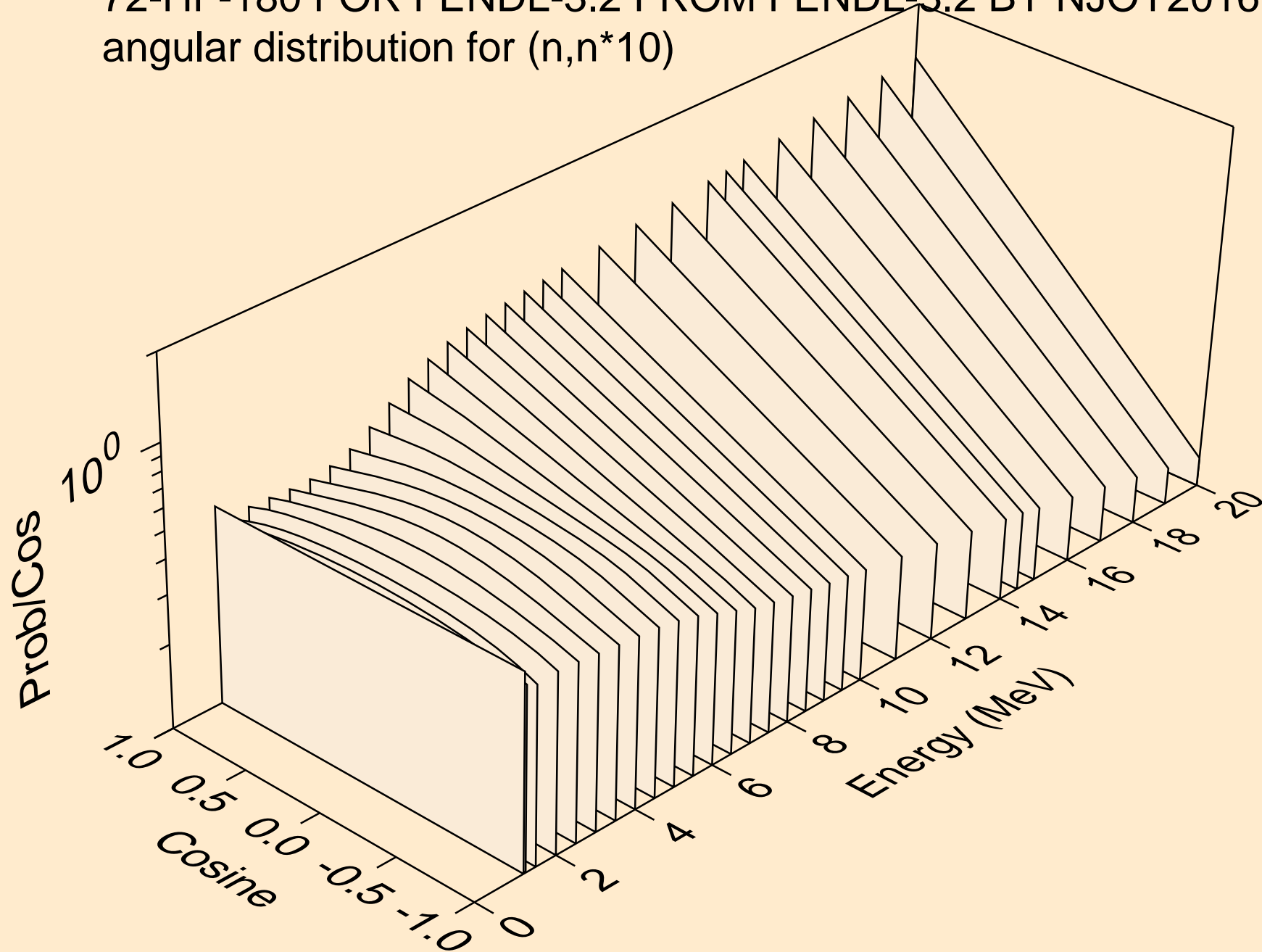
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angular distribution for (n,n\*8)



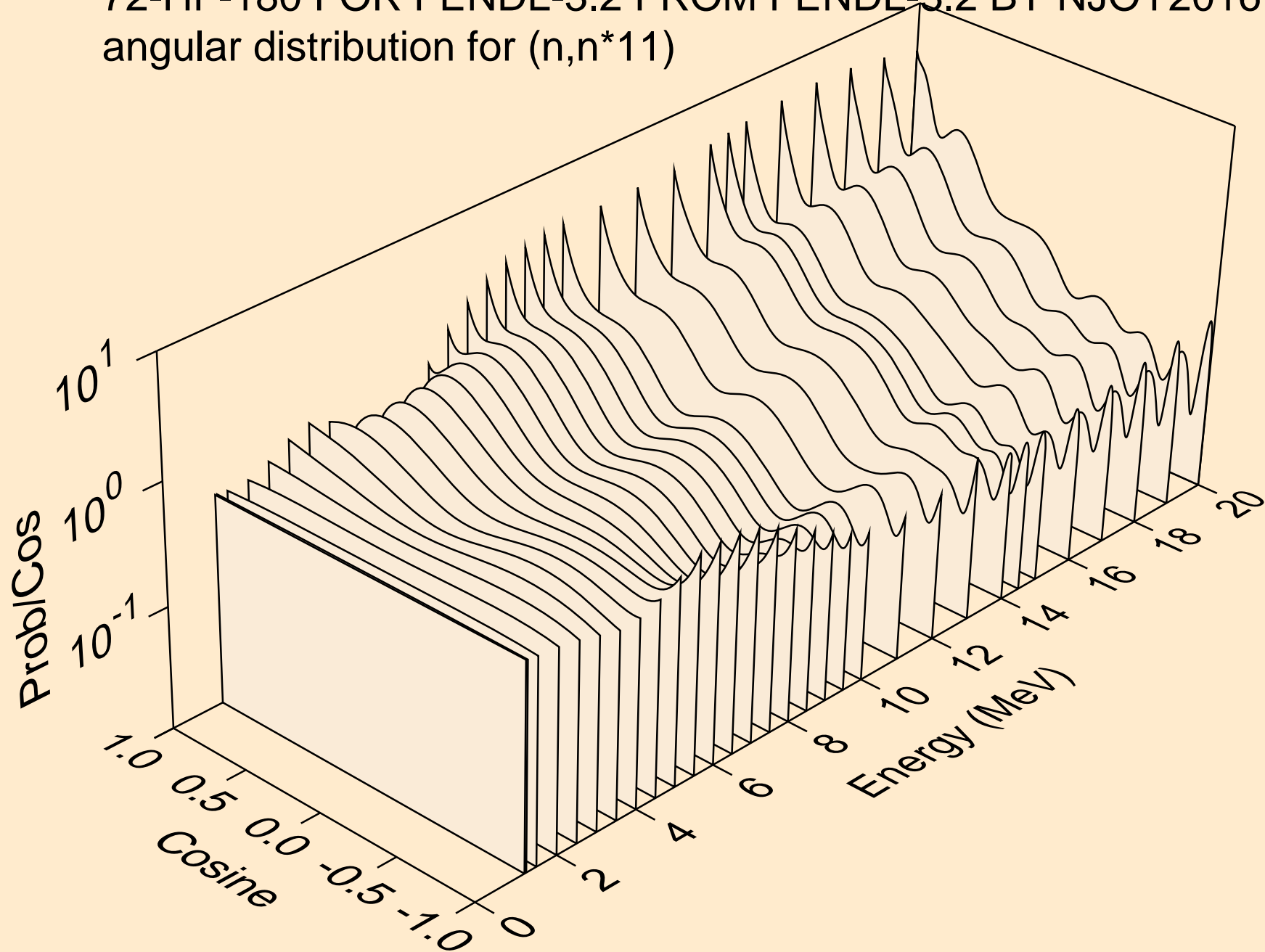
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angular distribution for (n,n\*9)



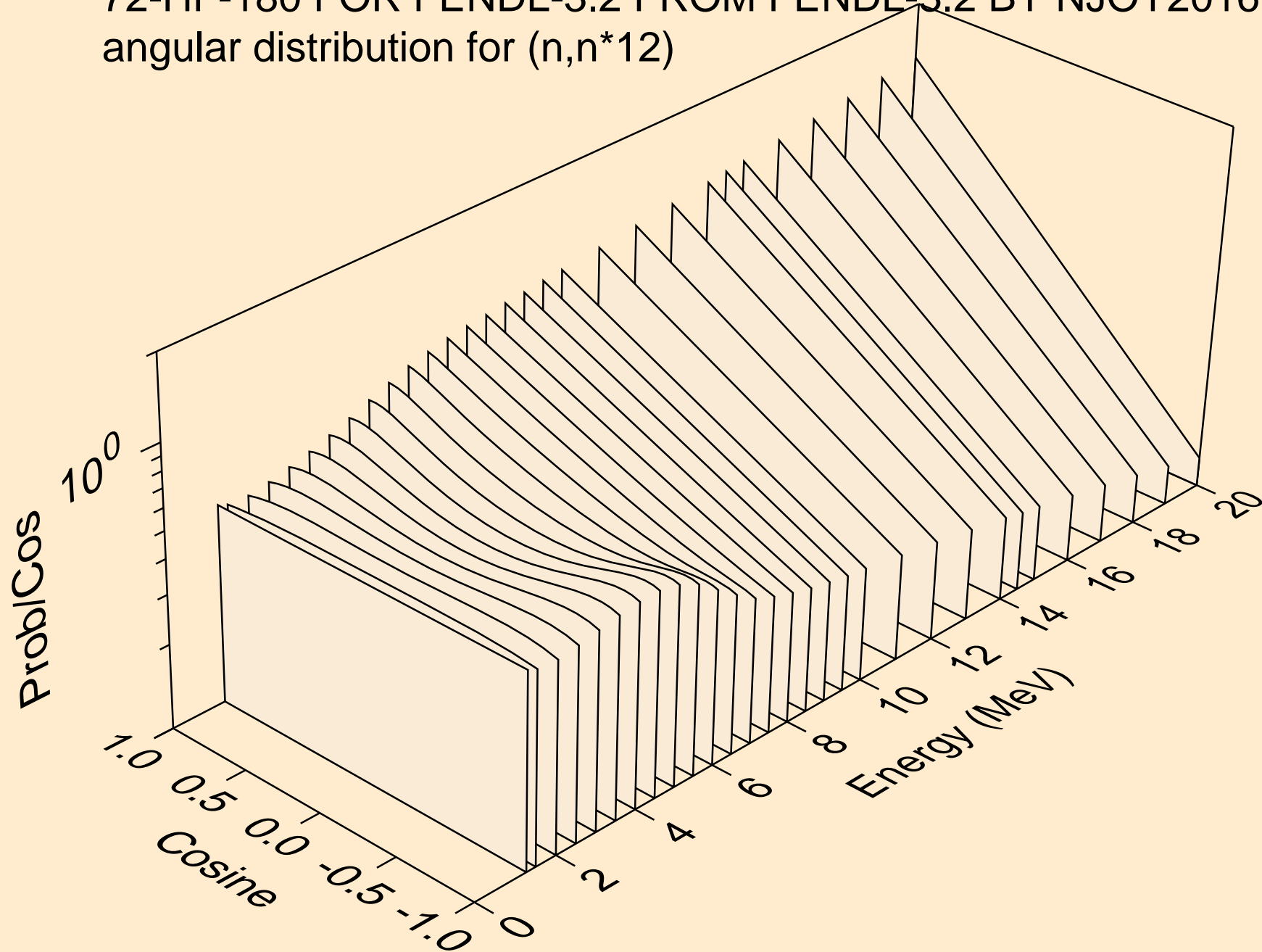
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angular distribution for (n,n\*10)



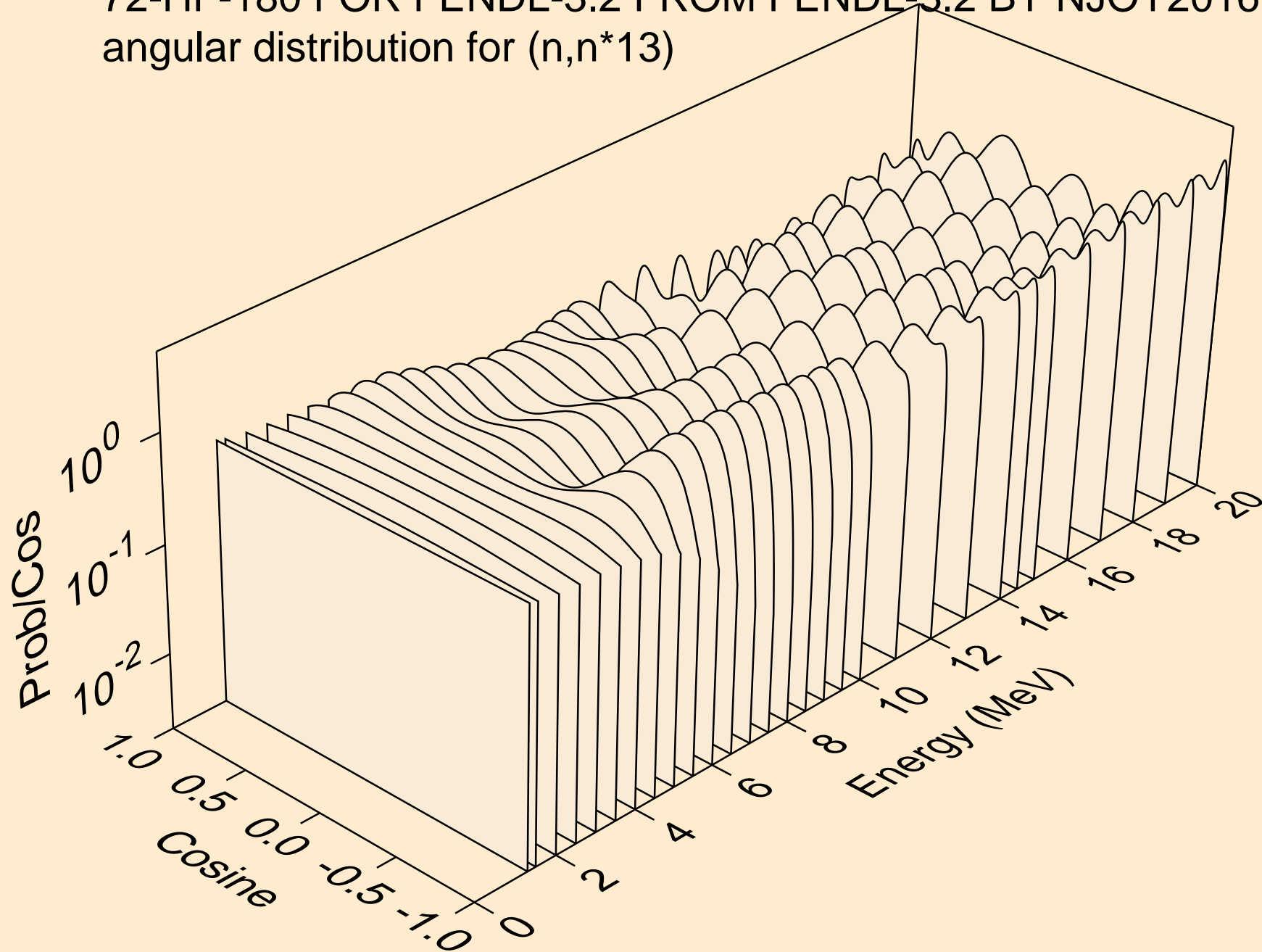
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*11)



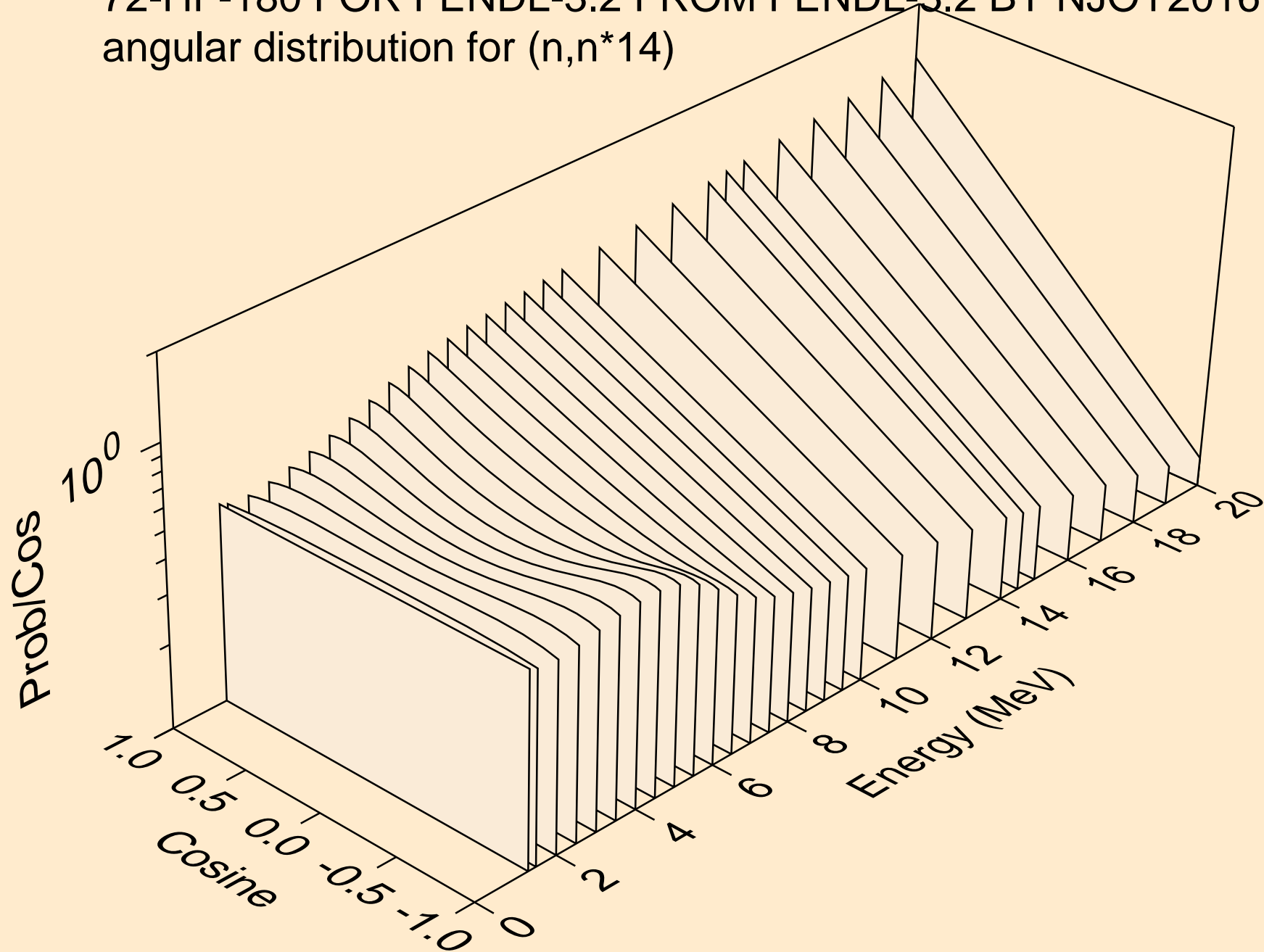
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*12)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*13)

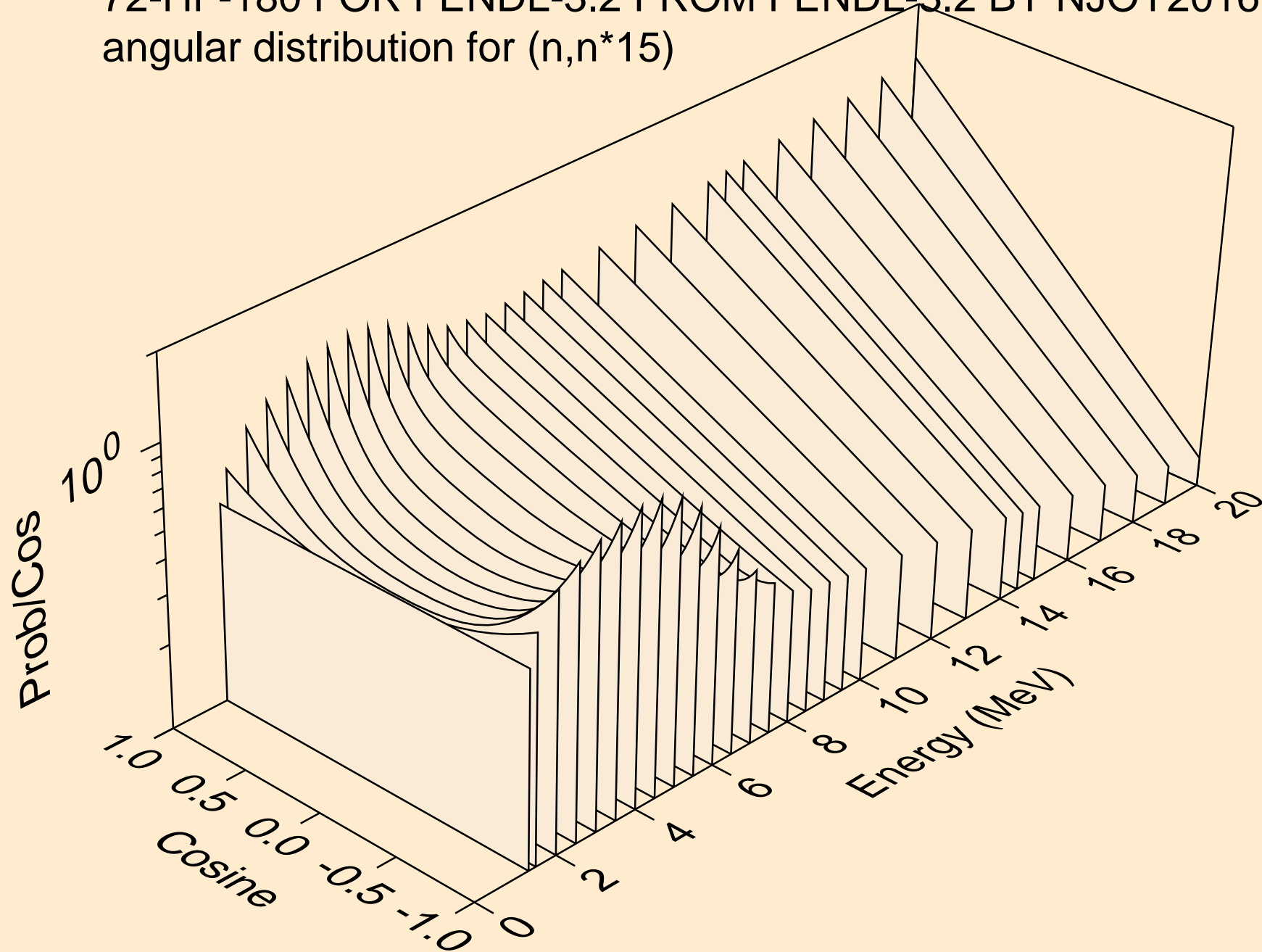


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*14)

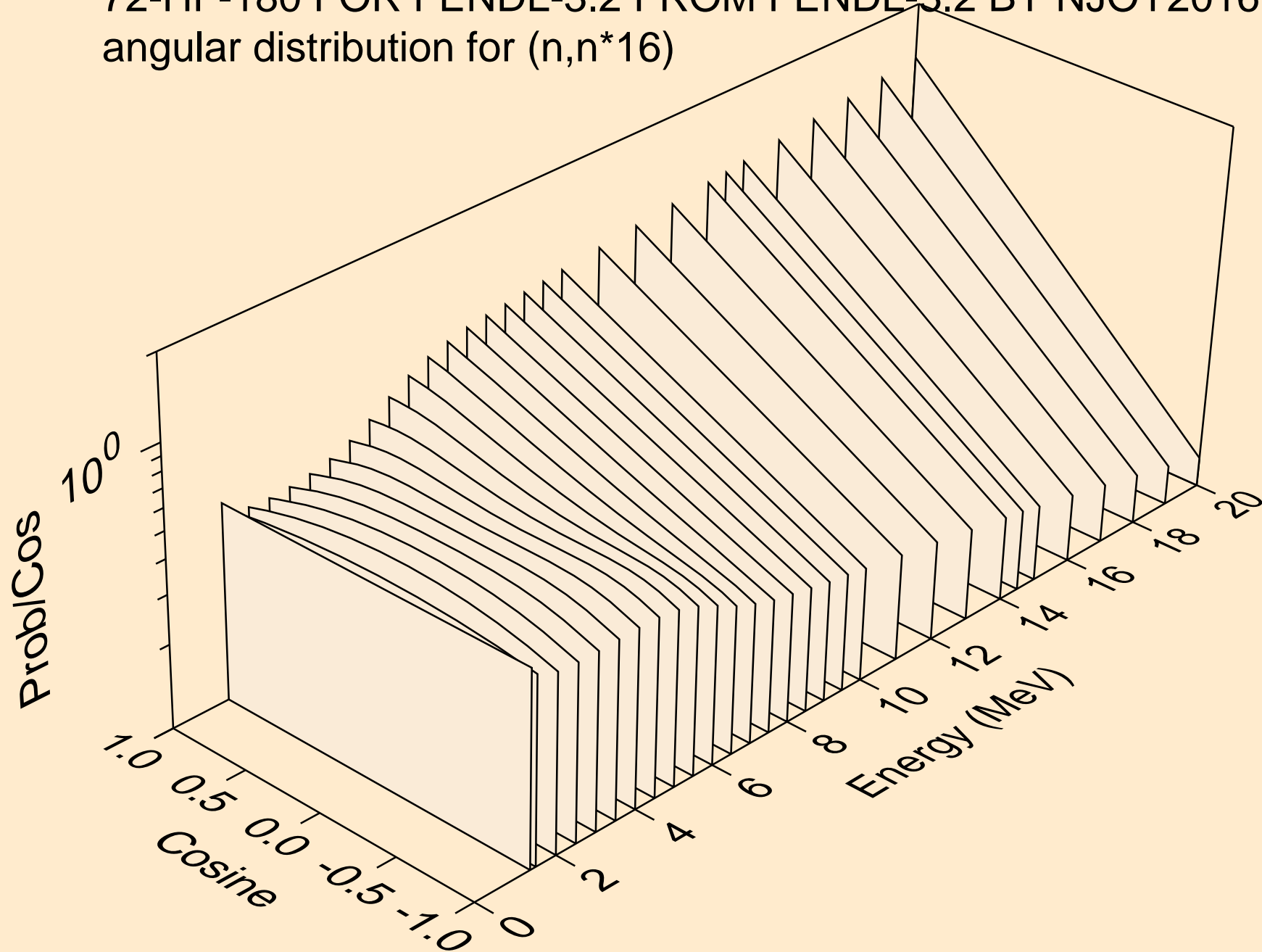




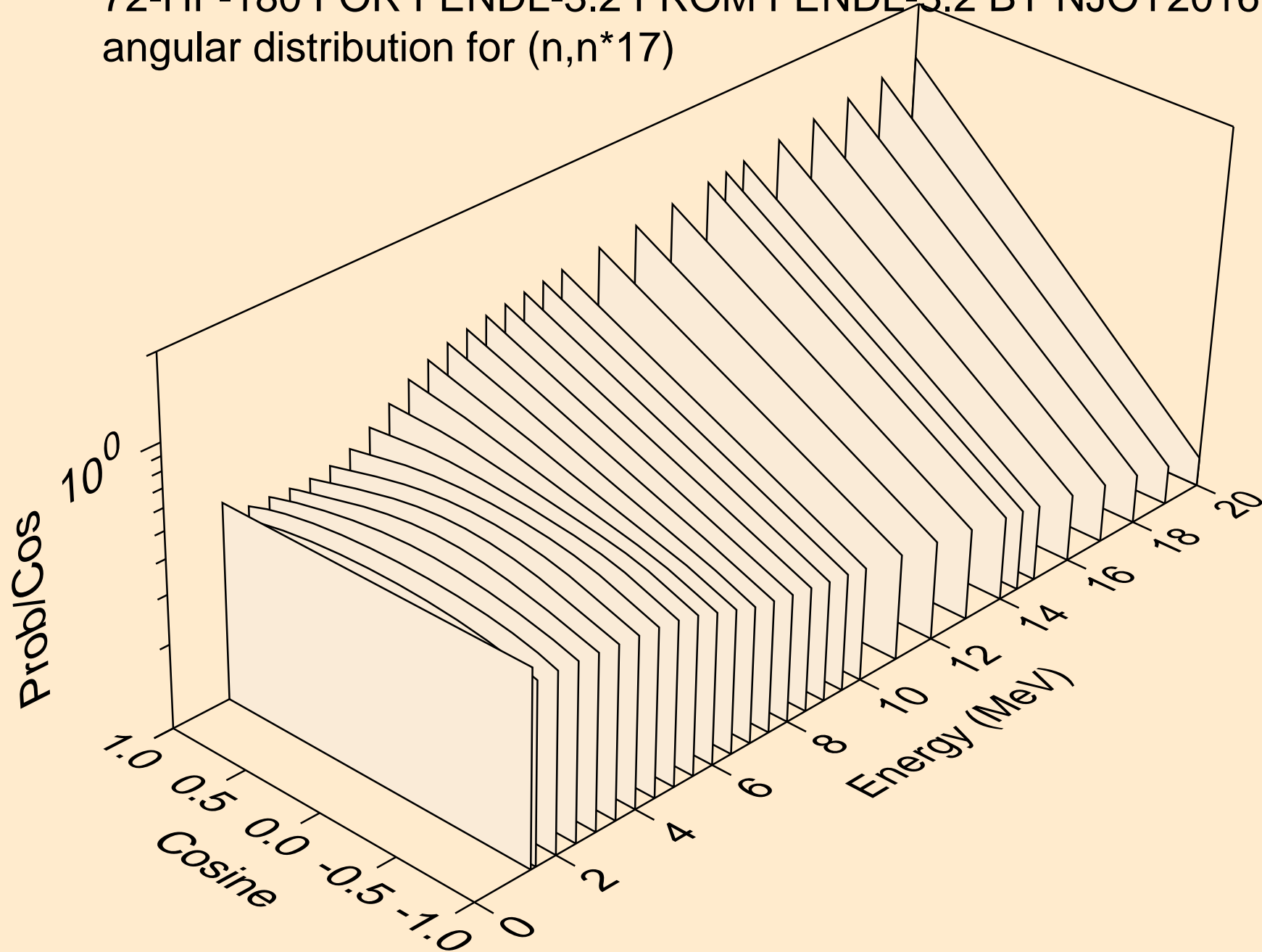
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*15)



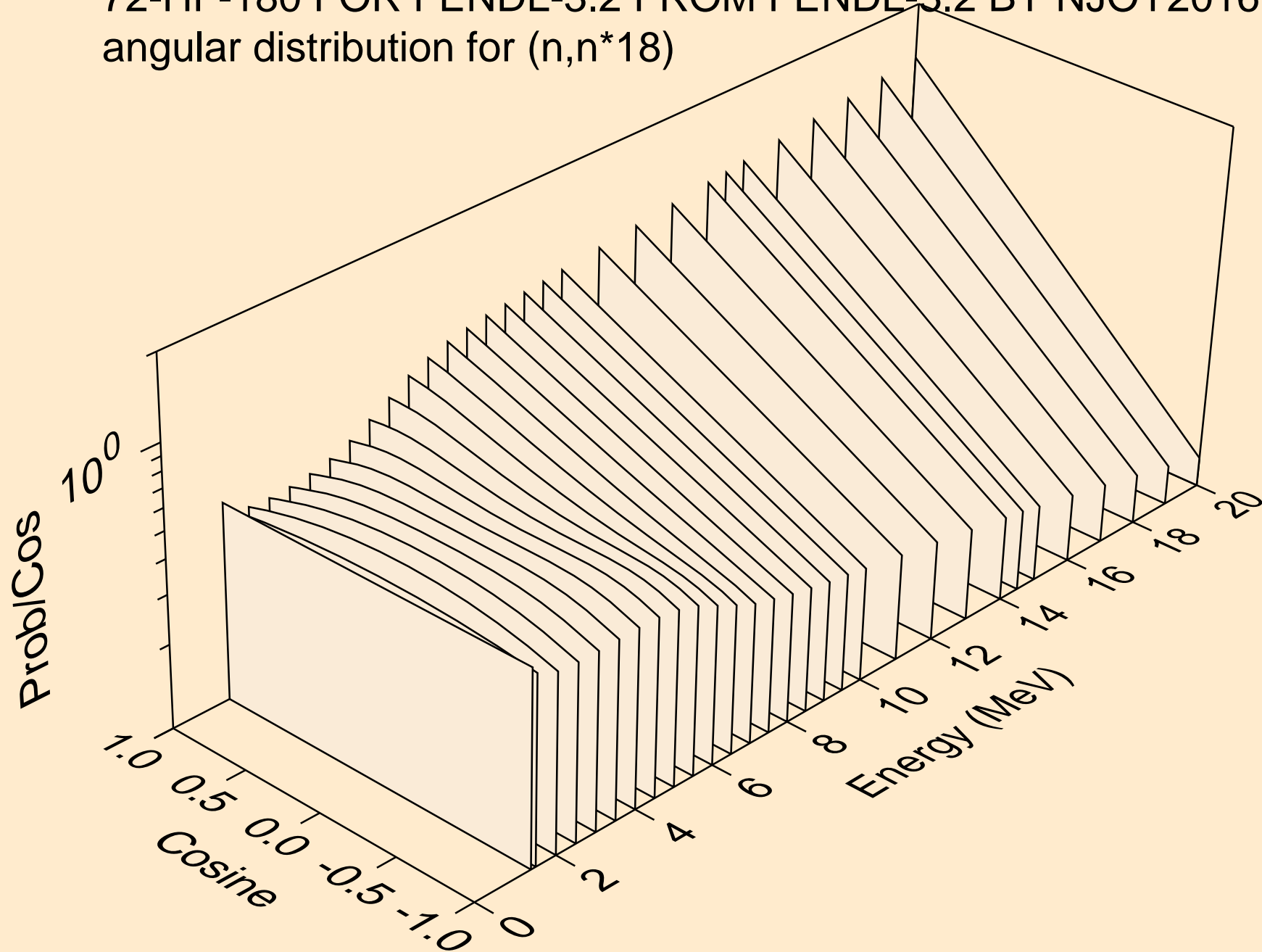
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angular distribution for (n,n\*16)



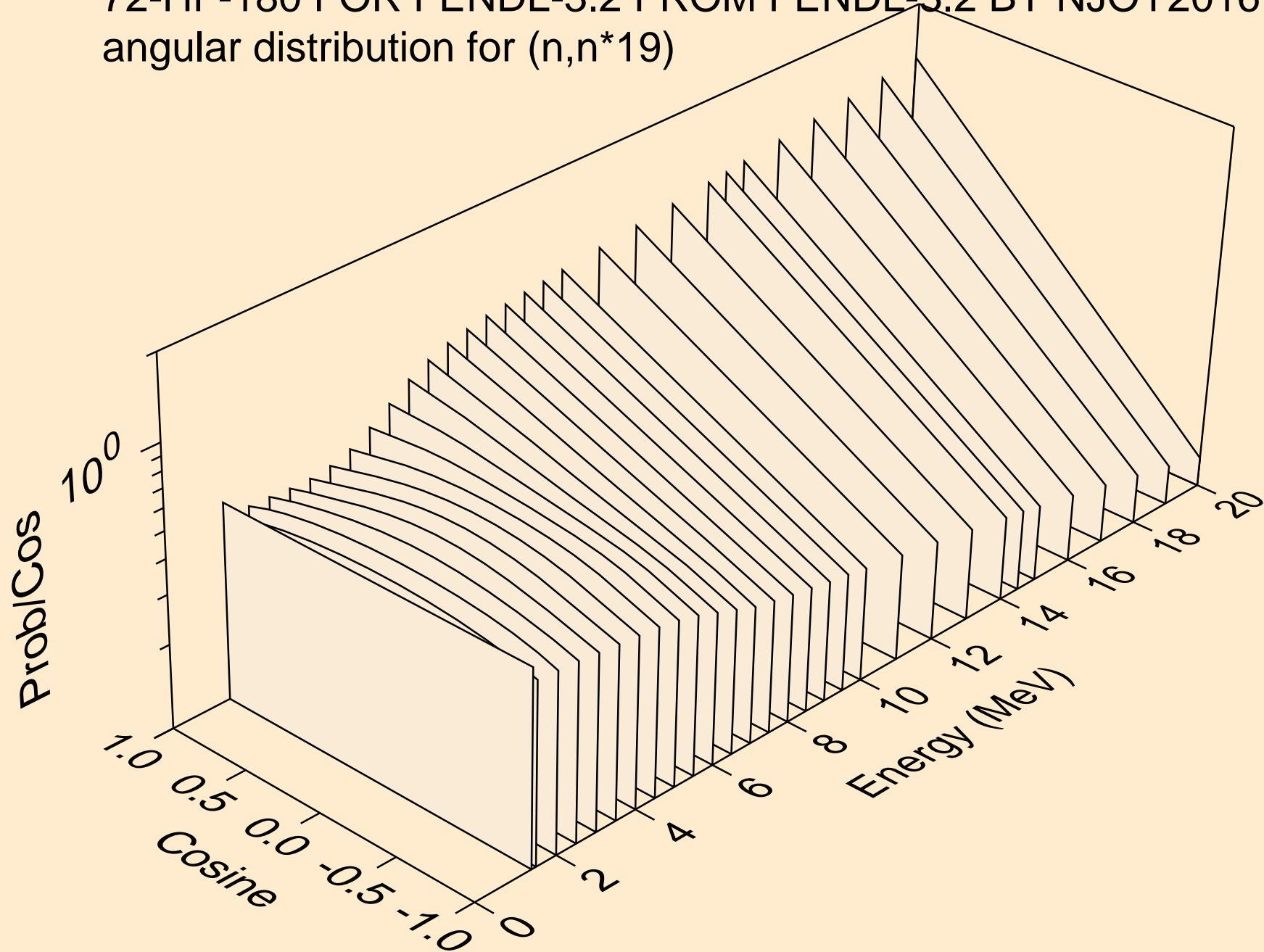
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angular distribution for (n,n\*17)



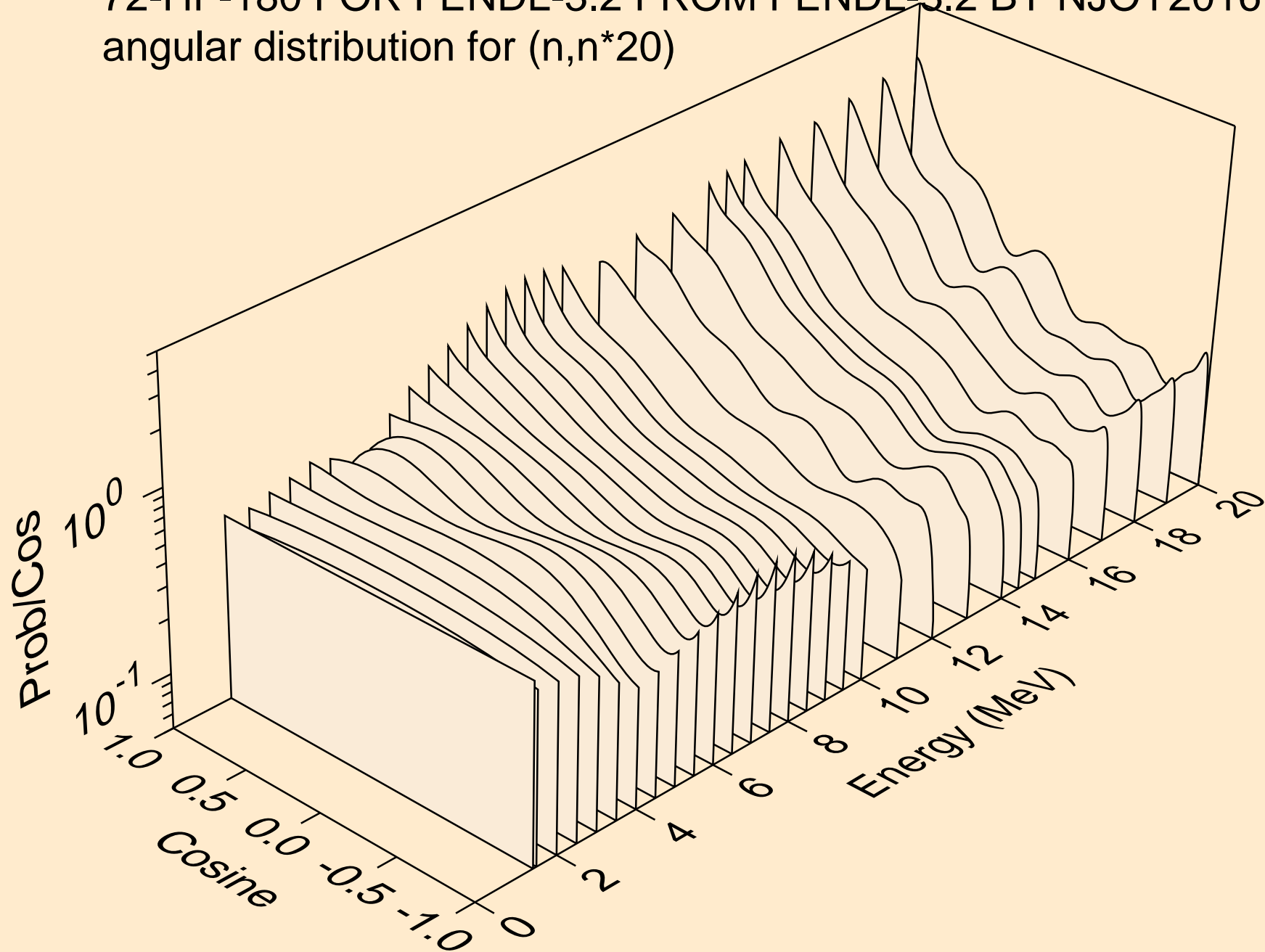
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angular distribution for (n,n\*18)



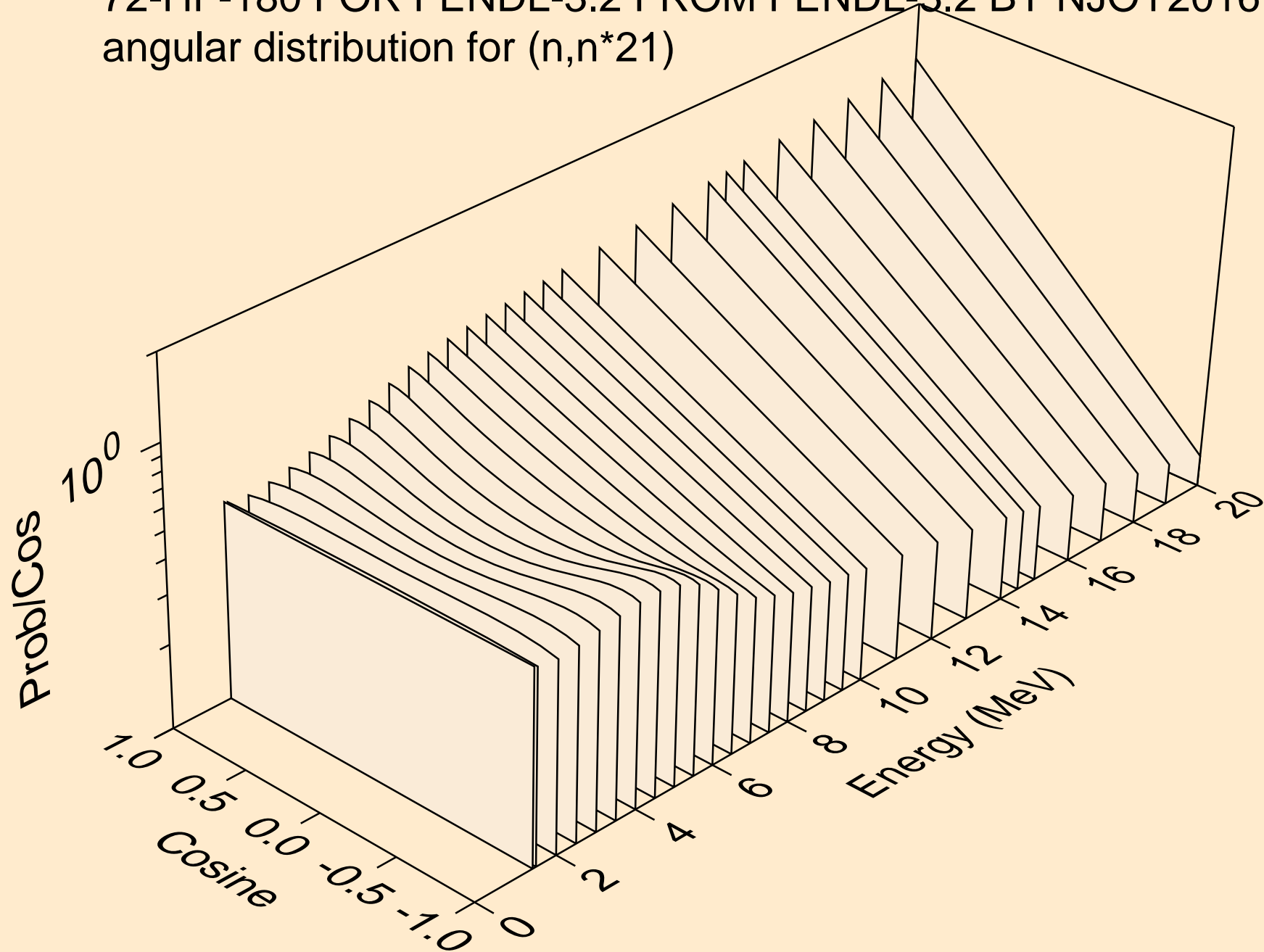
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*19)



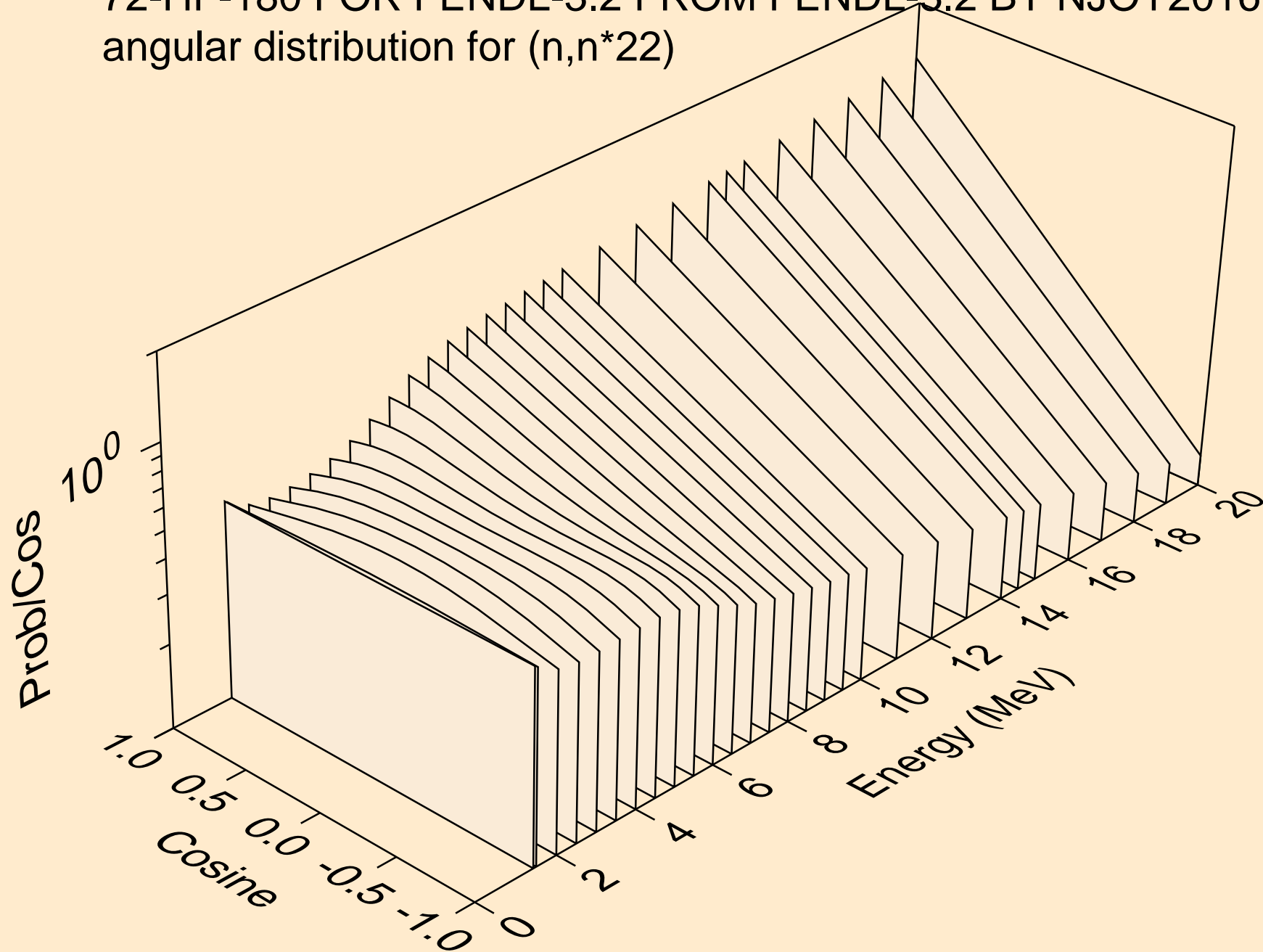
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*20)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*21)

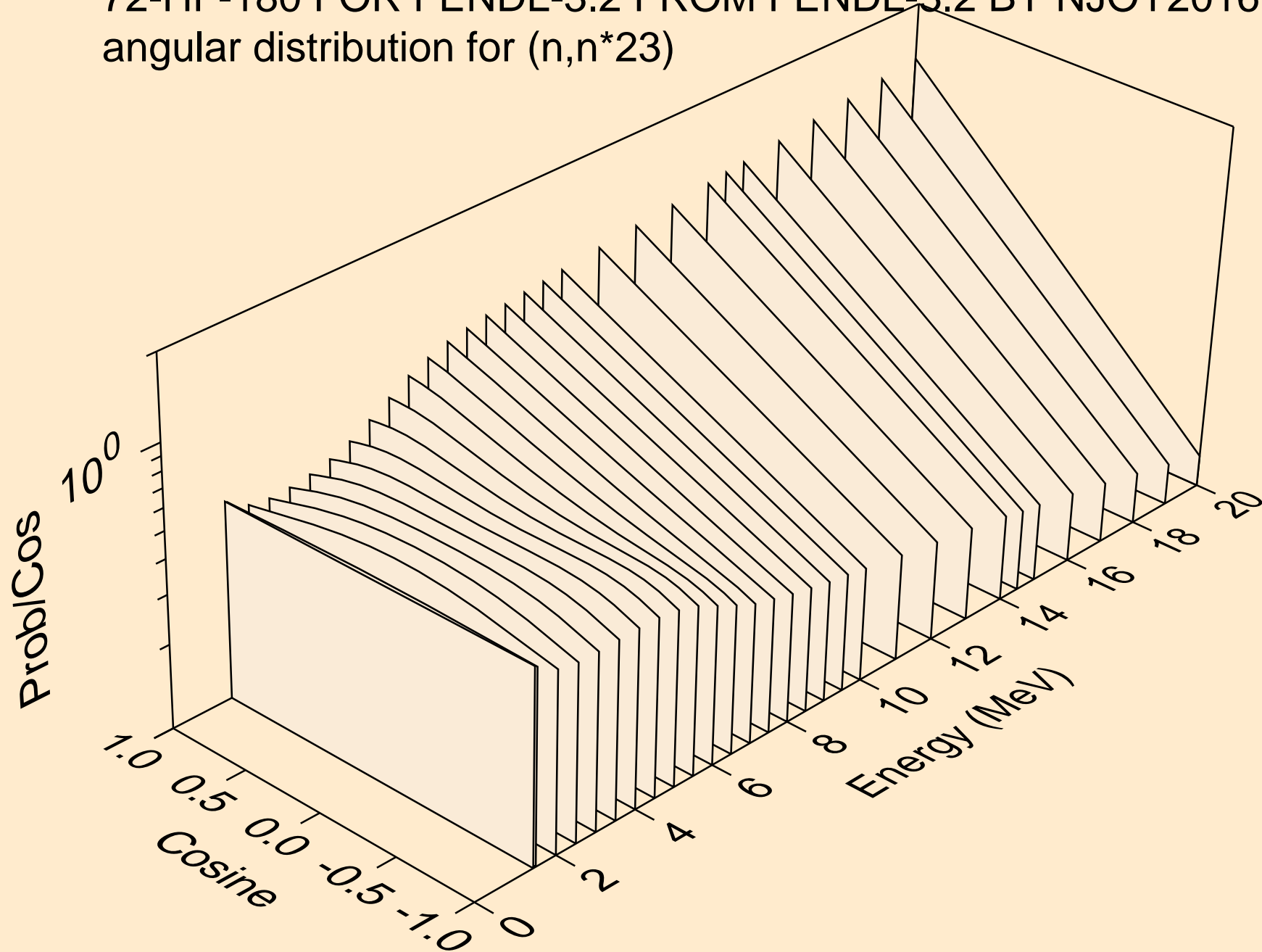


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*22)

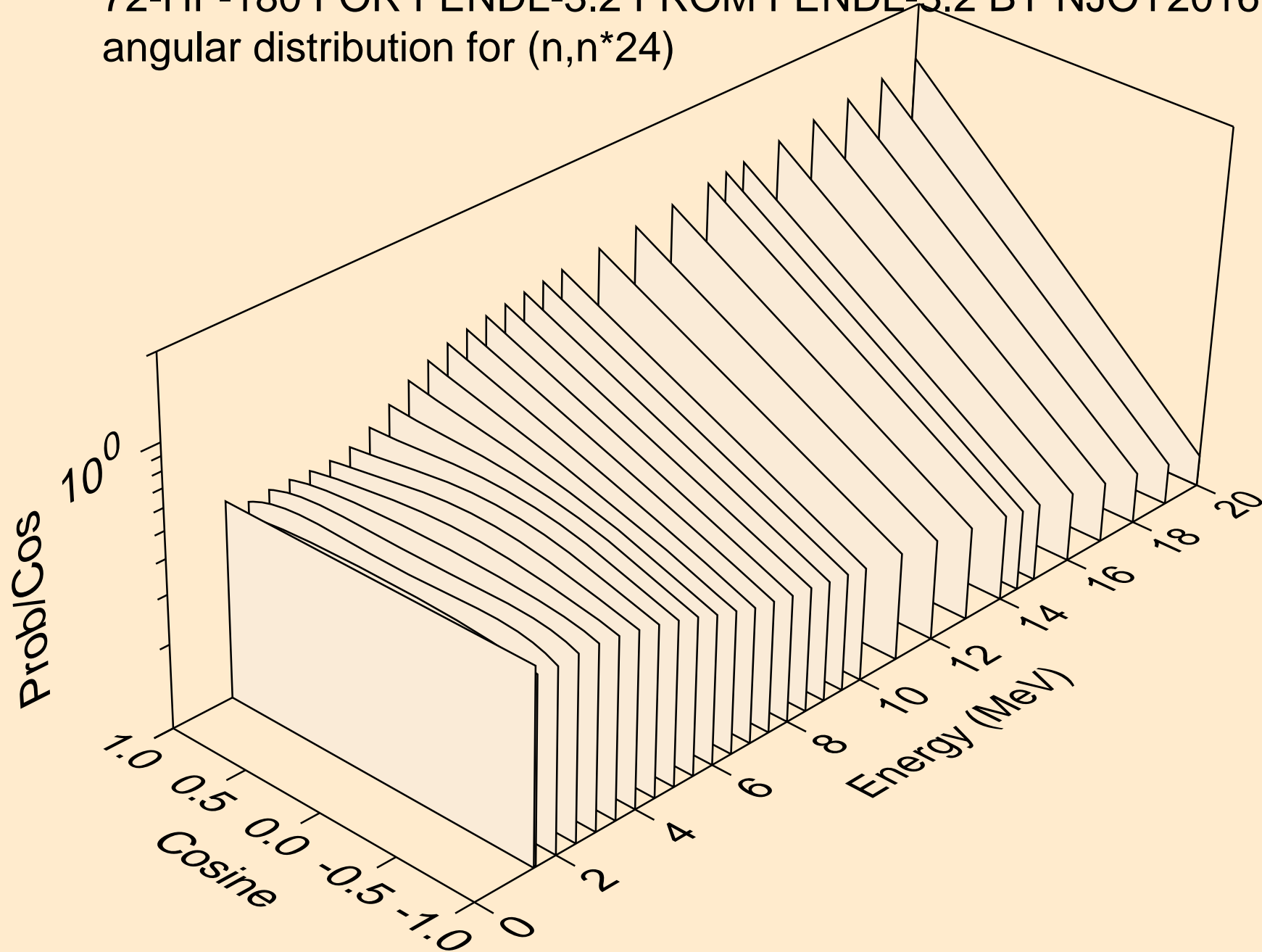




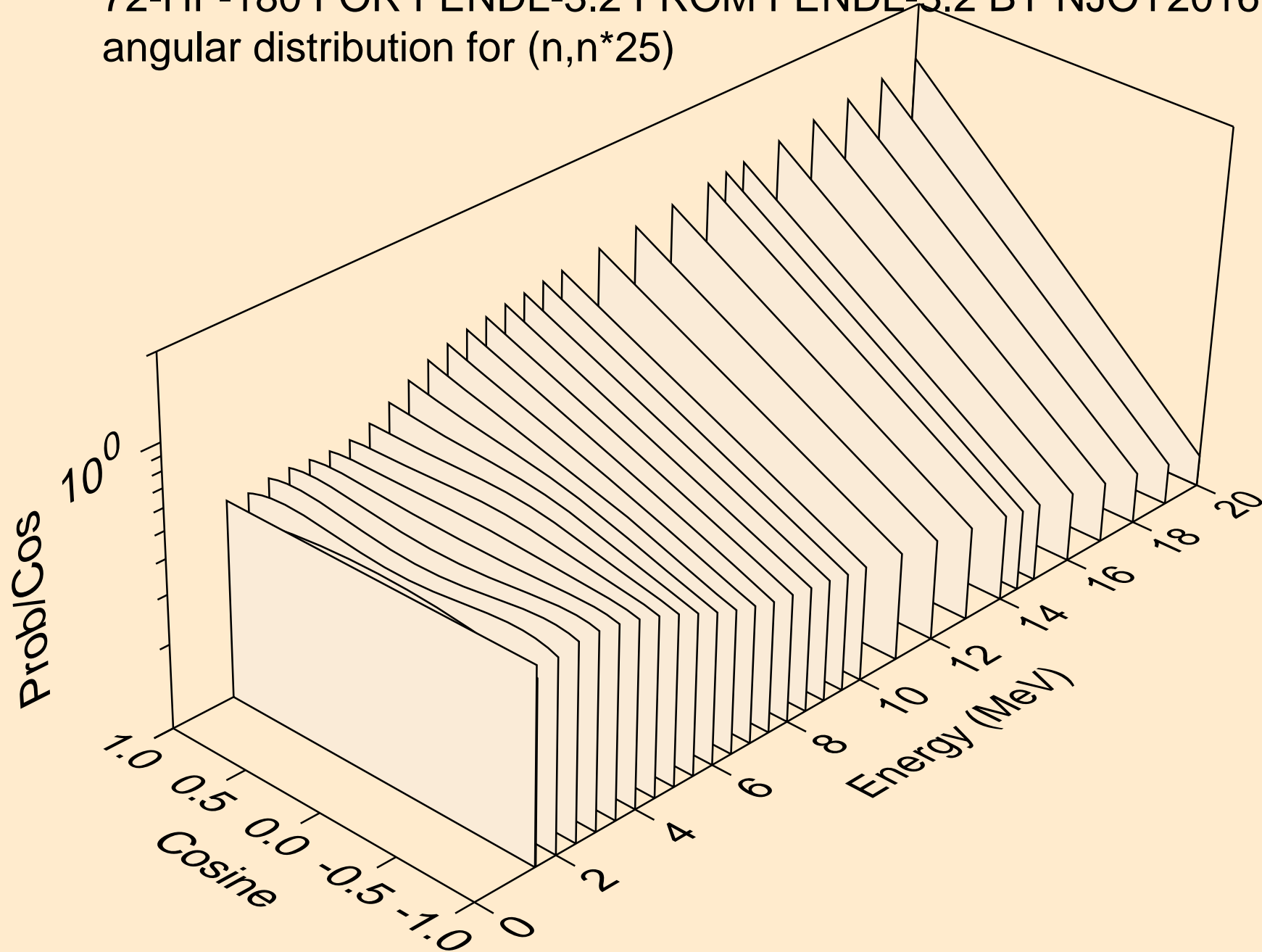
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*23)



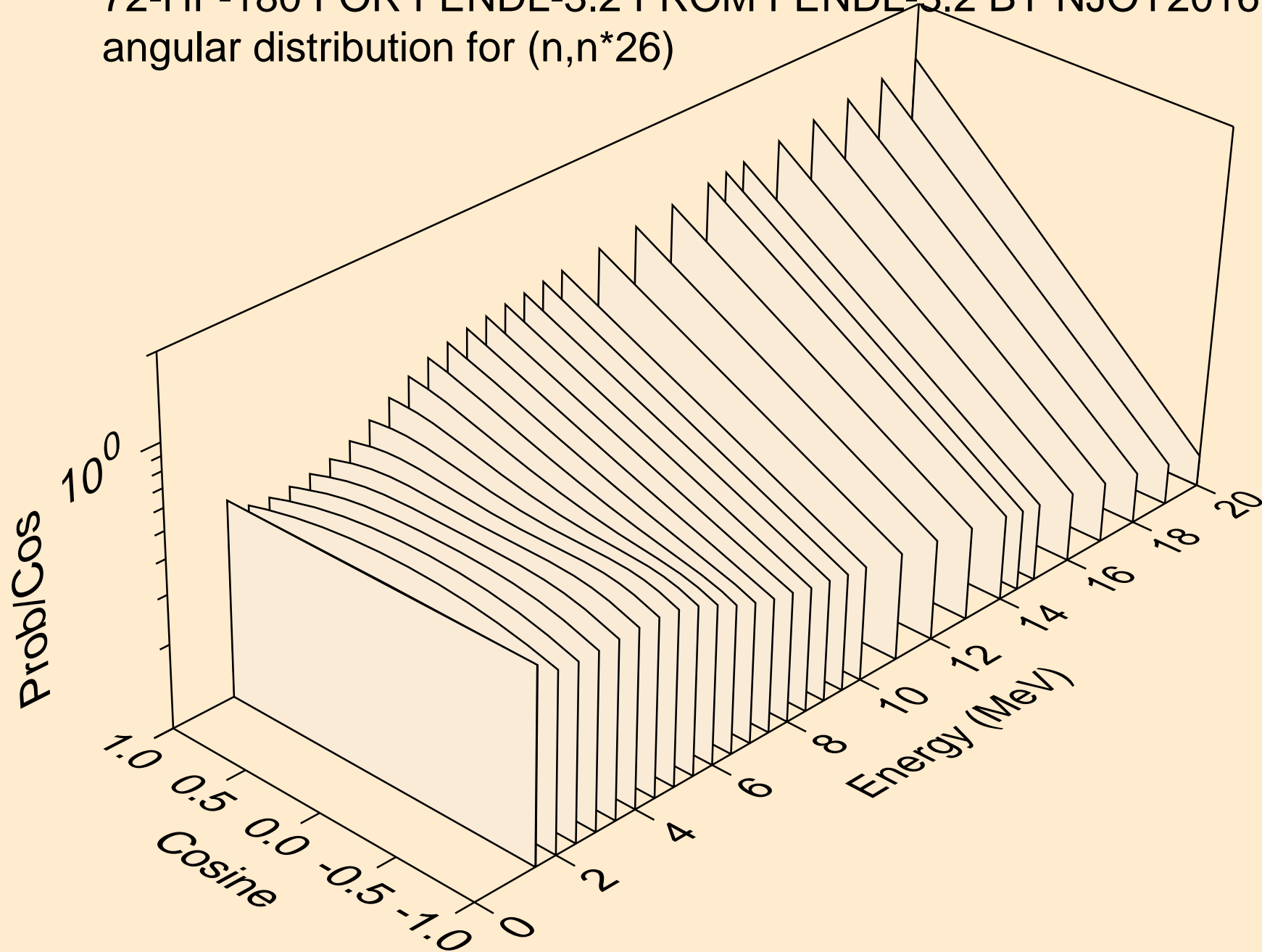
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*24)



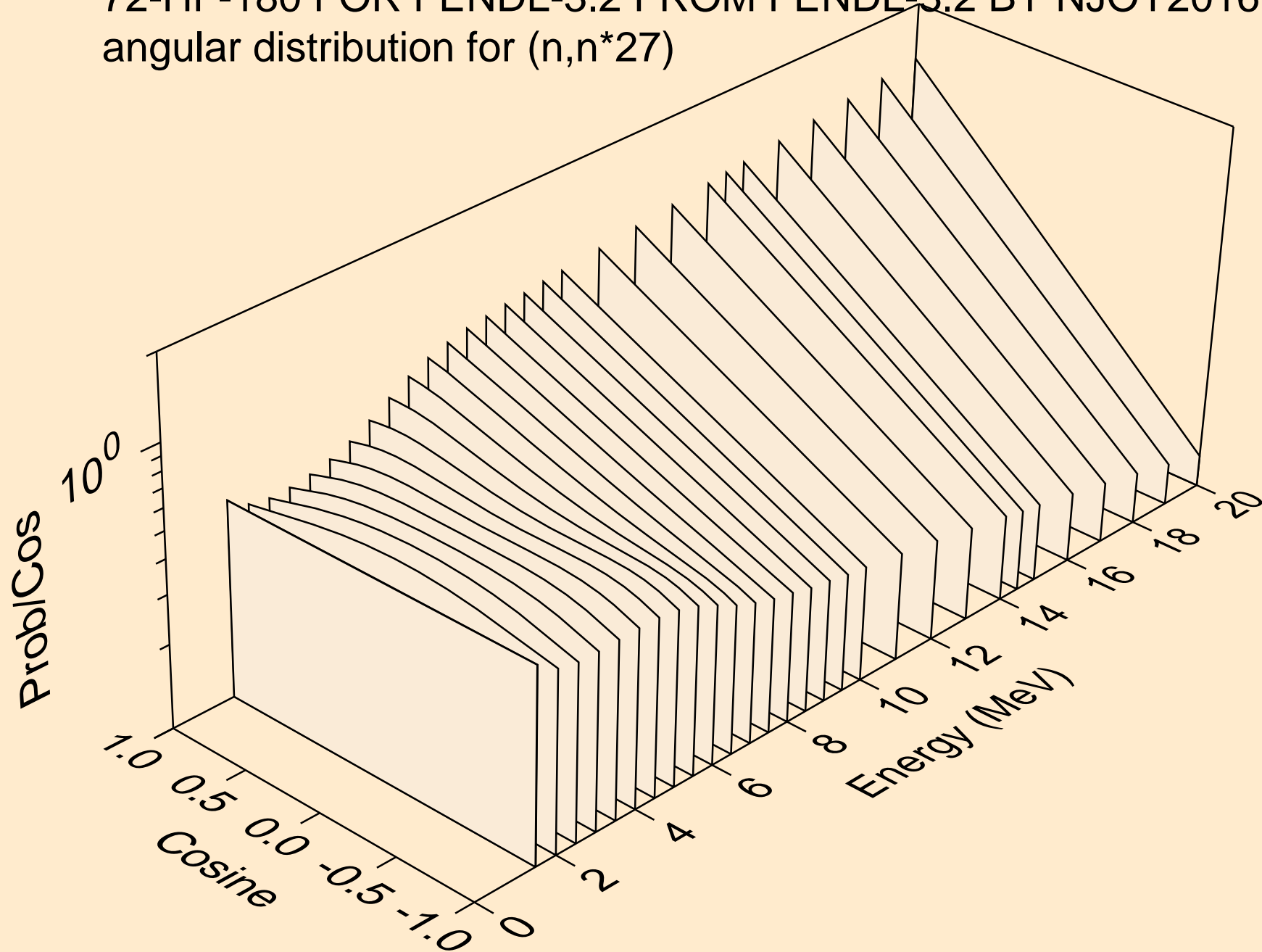
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*25)



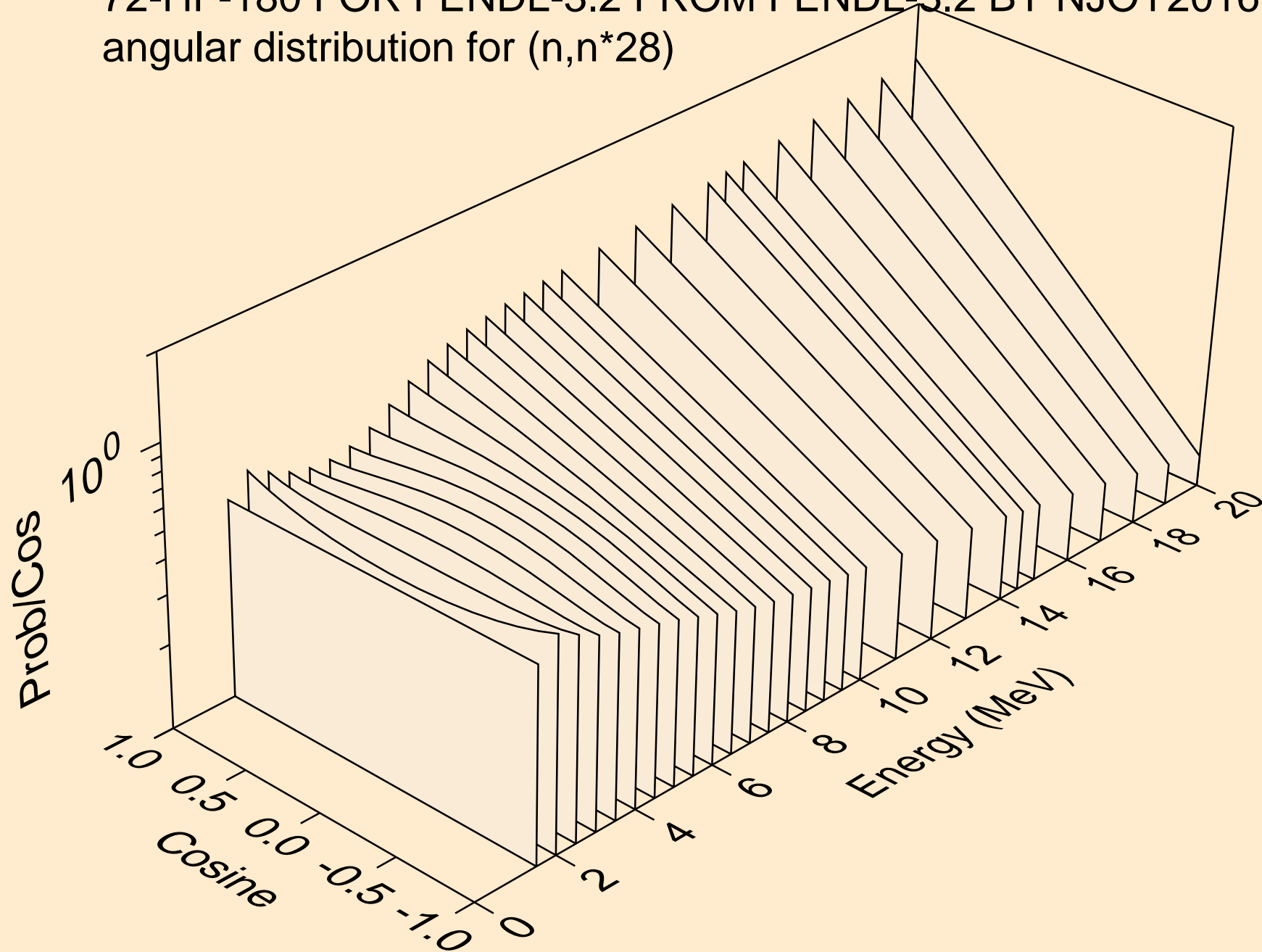
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*26)



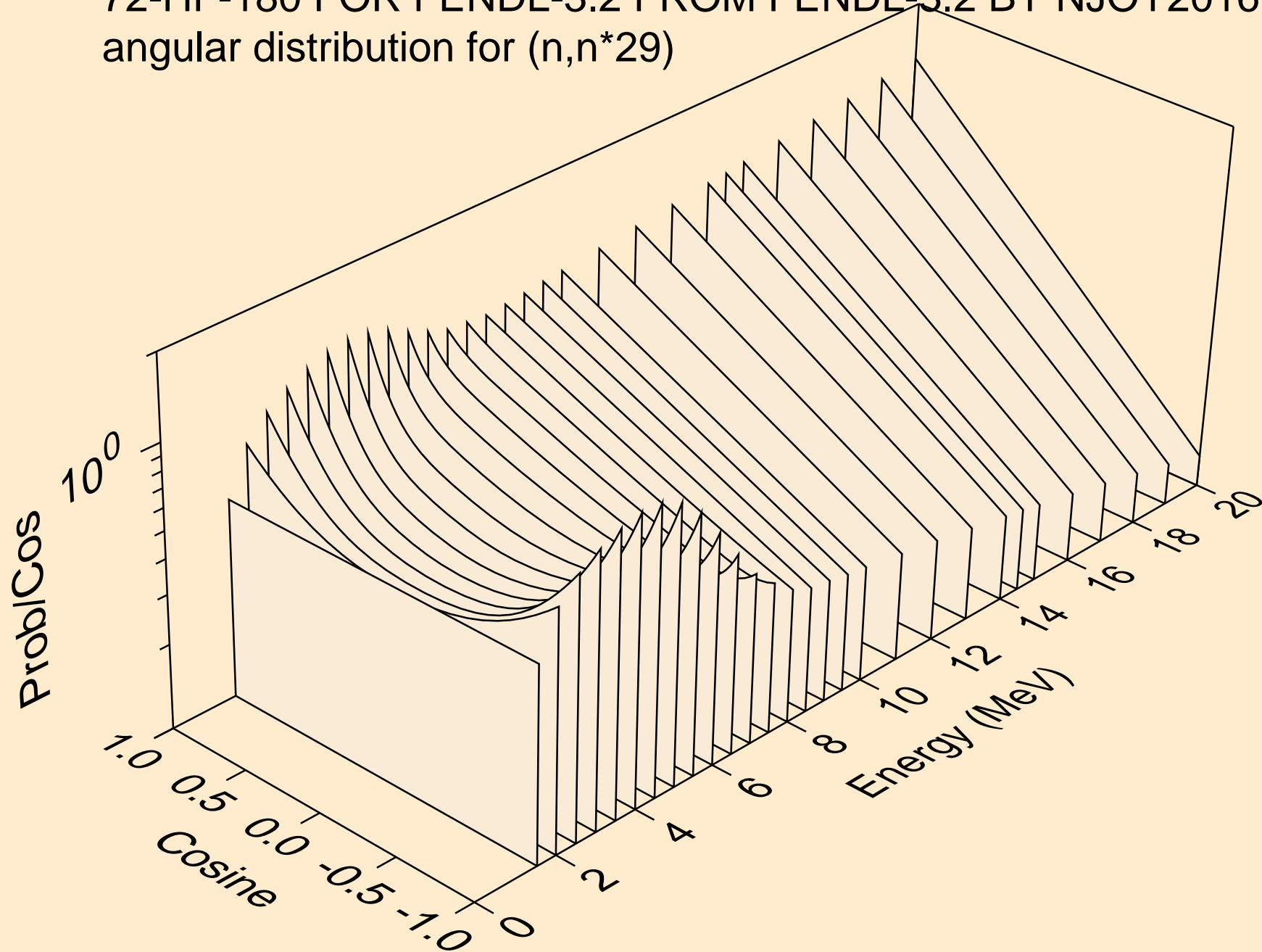
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*27)



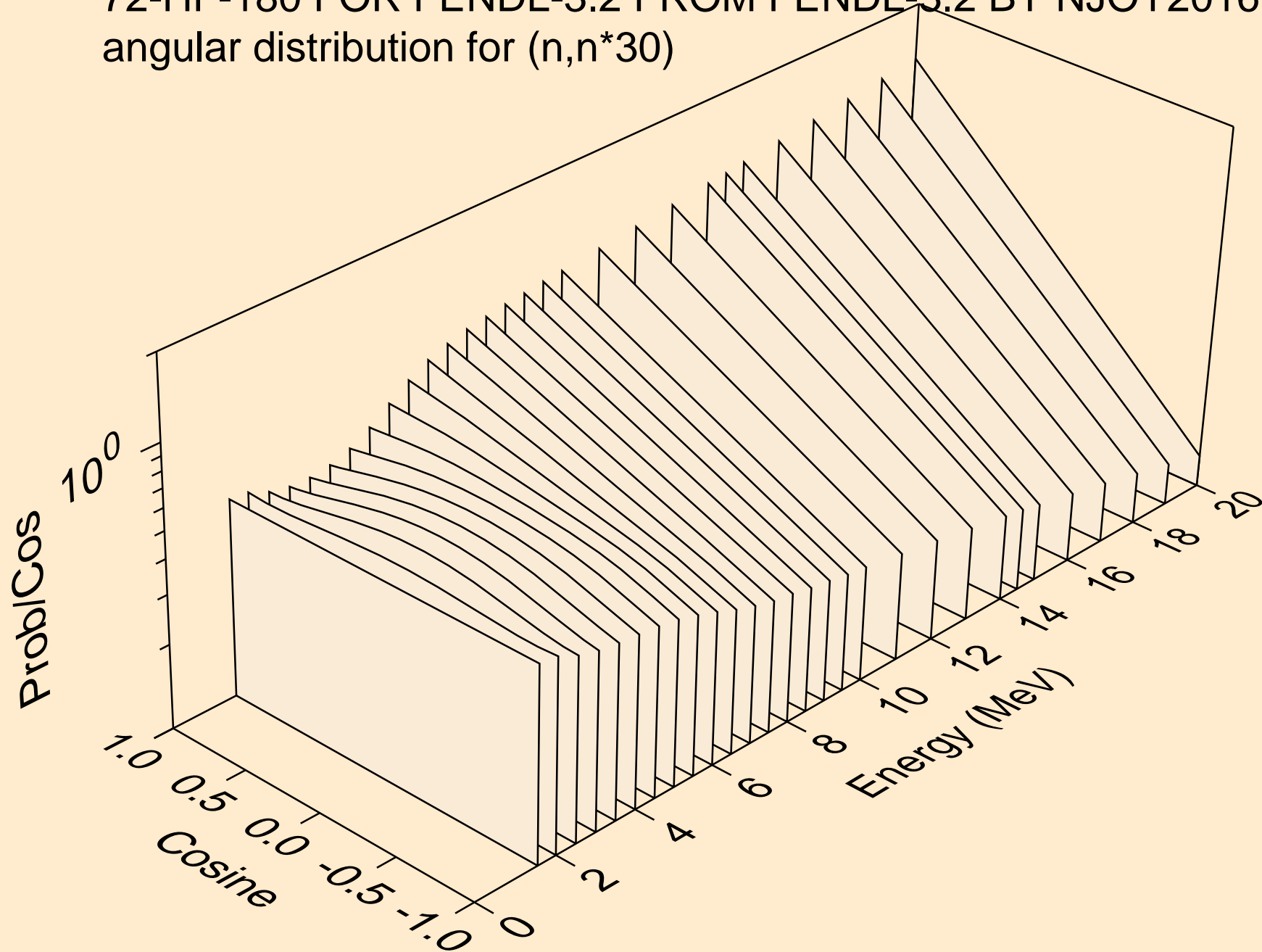
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*28)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*29)

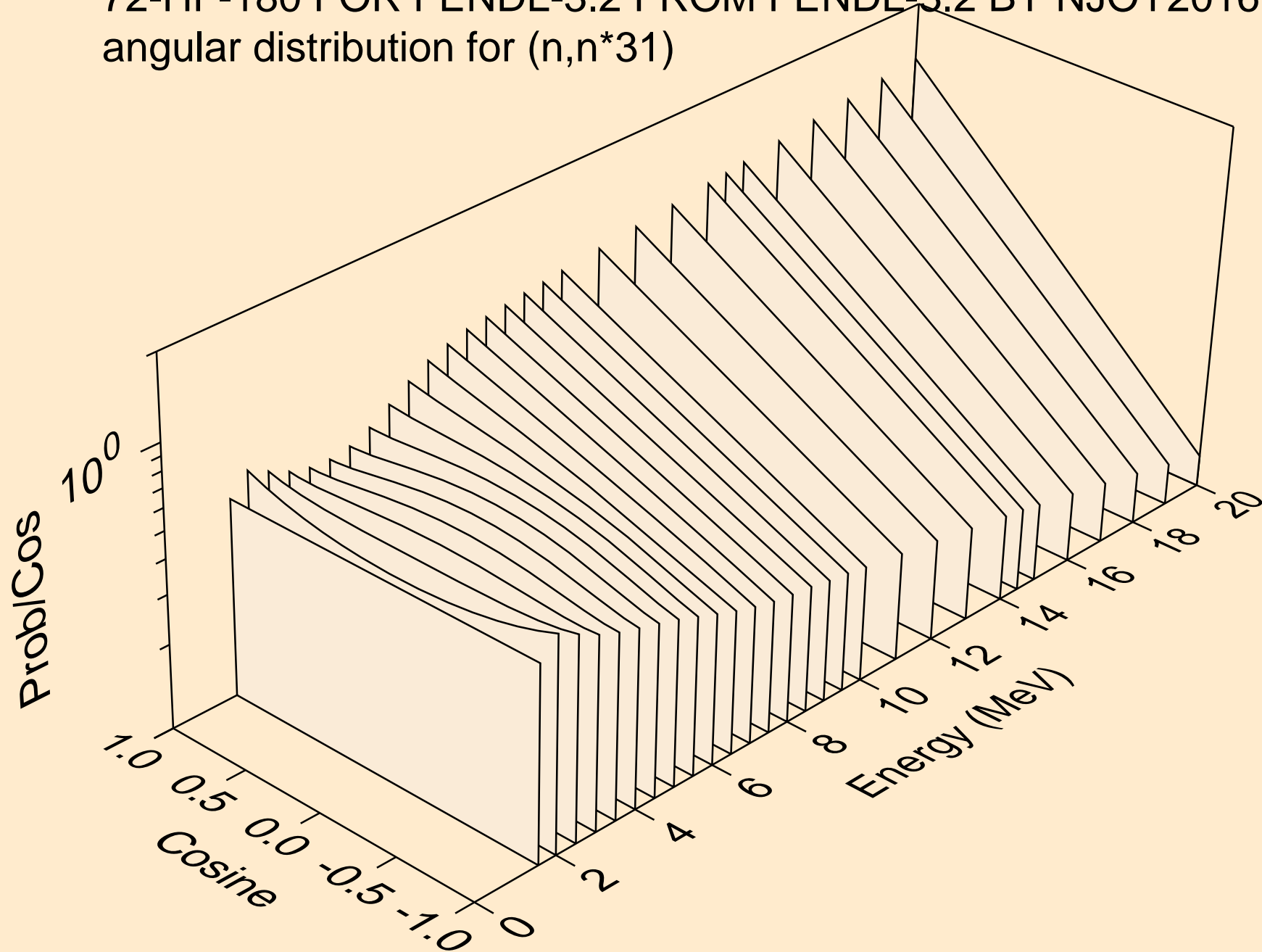


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*30)

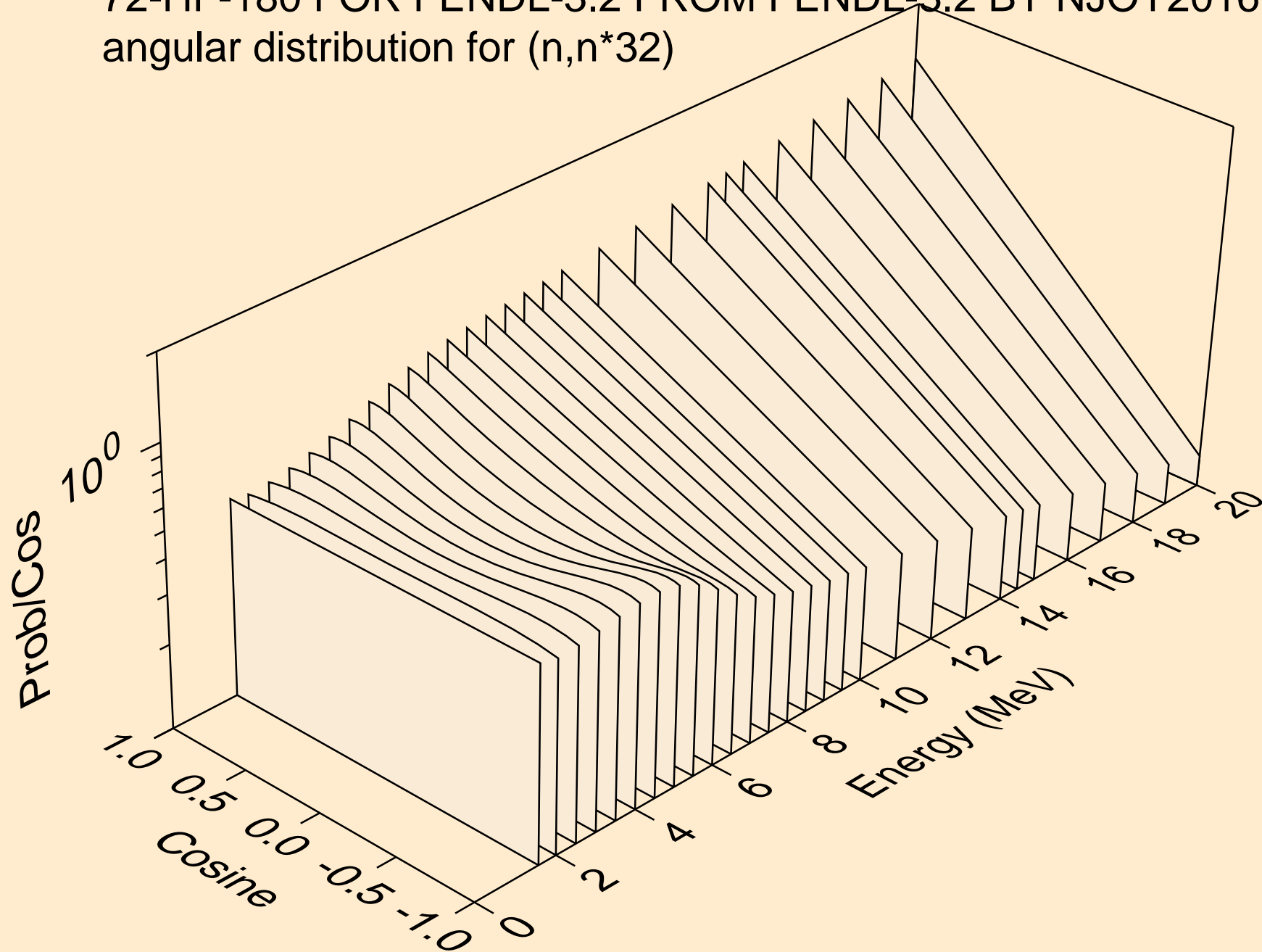




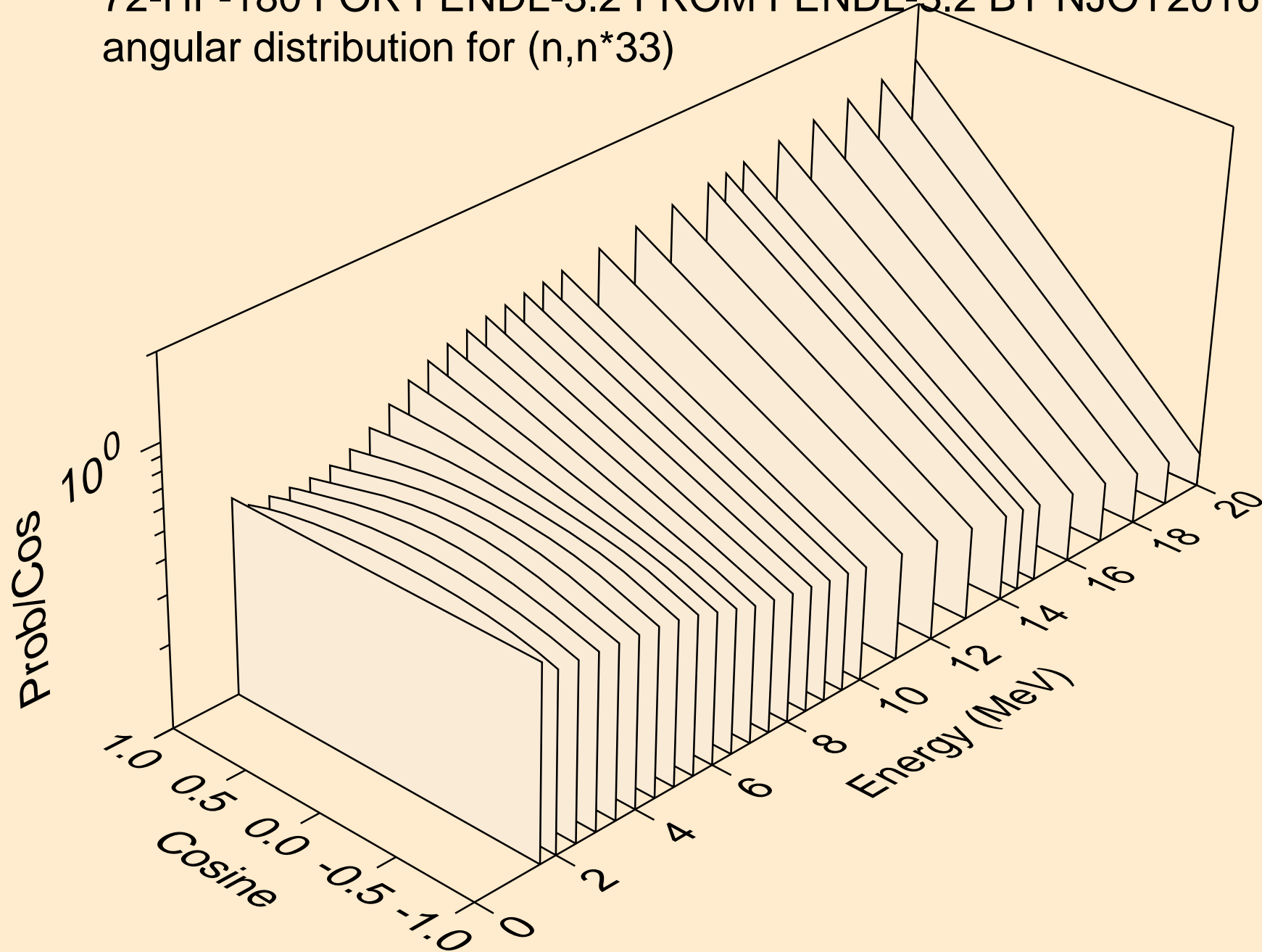
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*31)



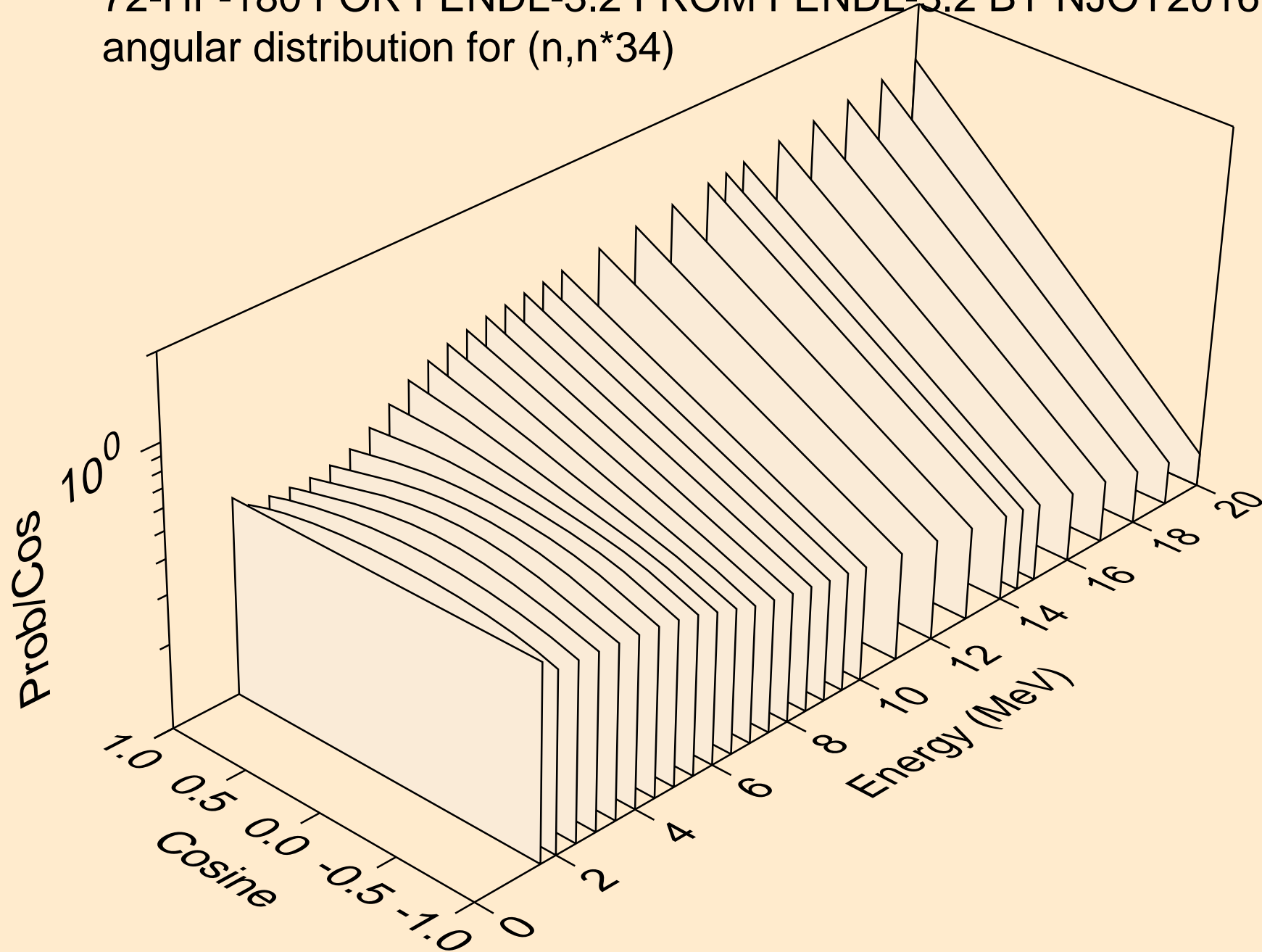
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*32)



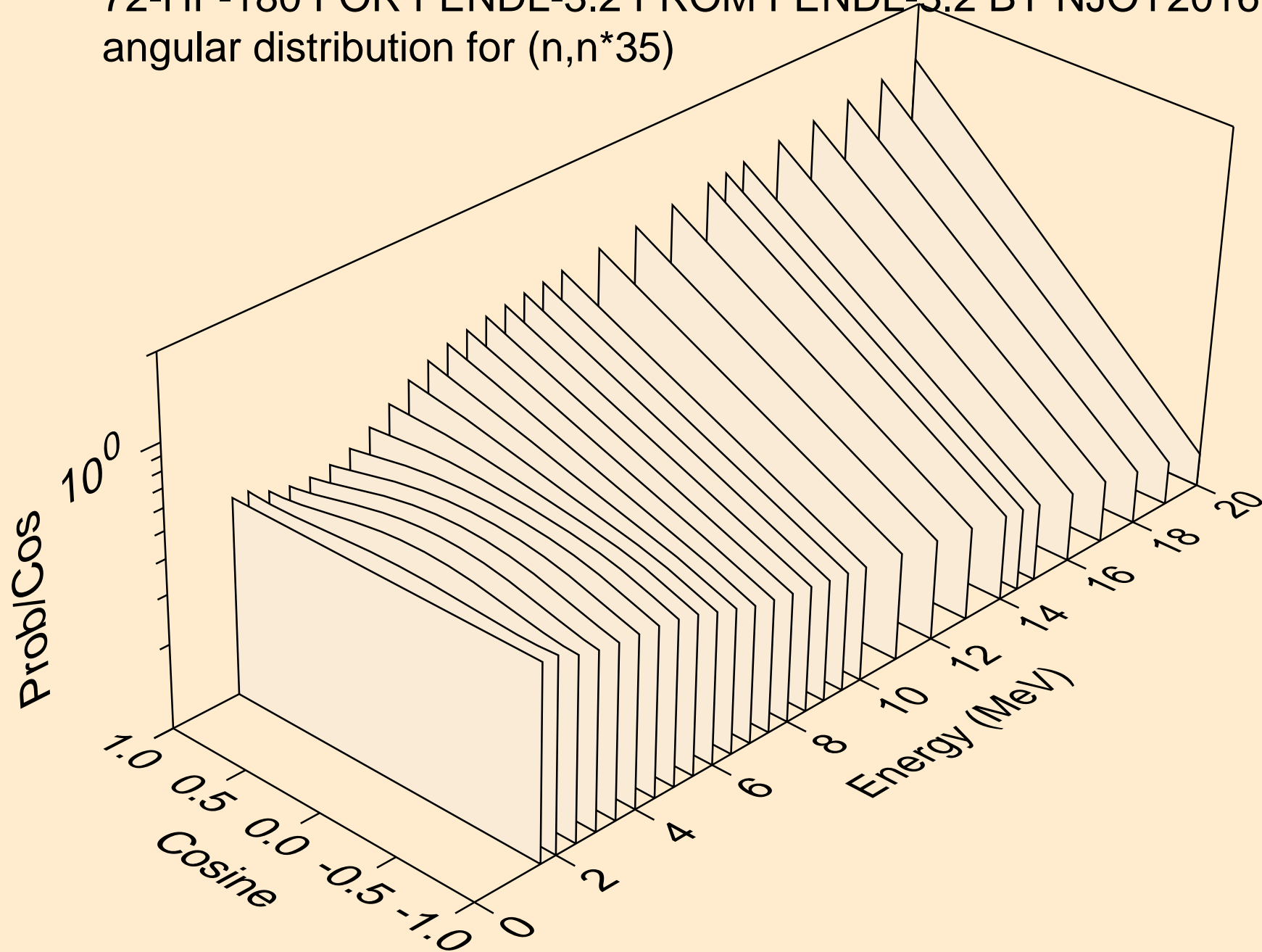
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*33)



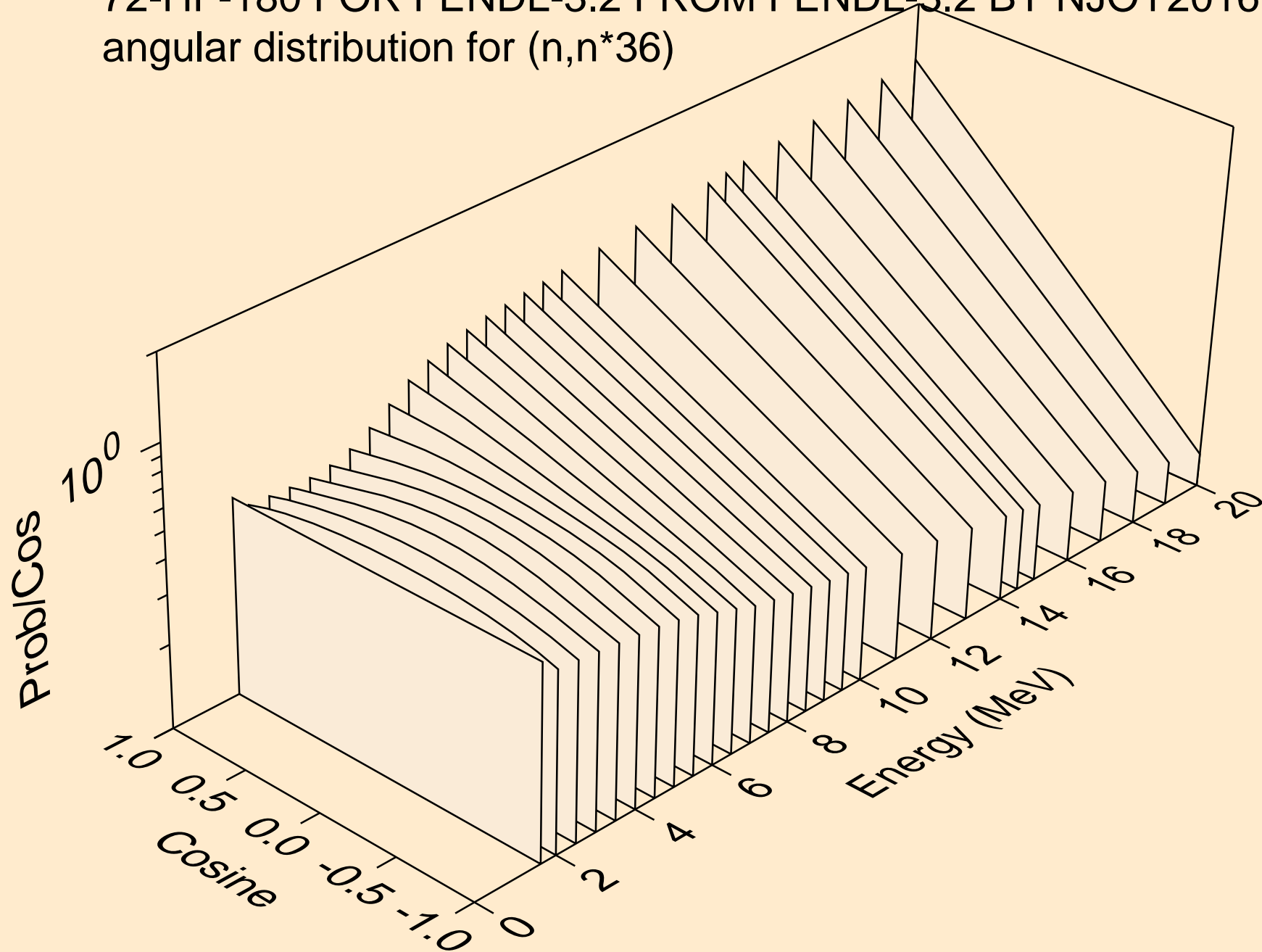
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*34)



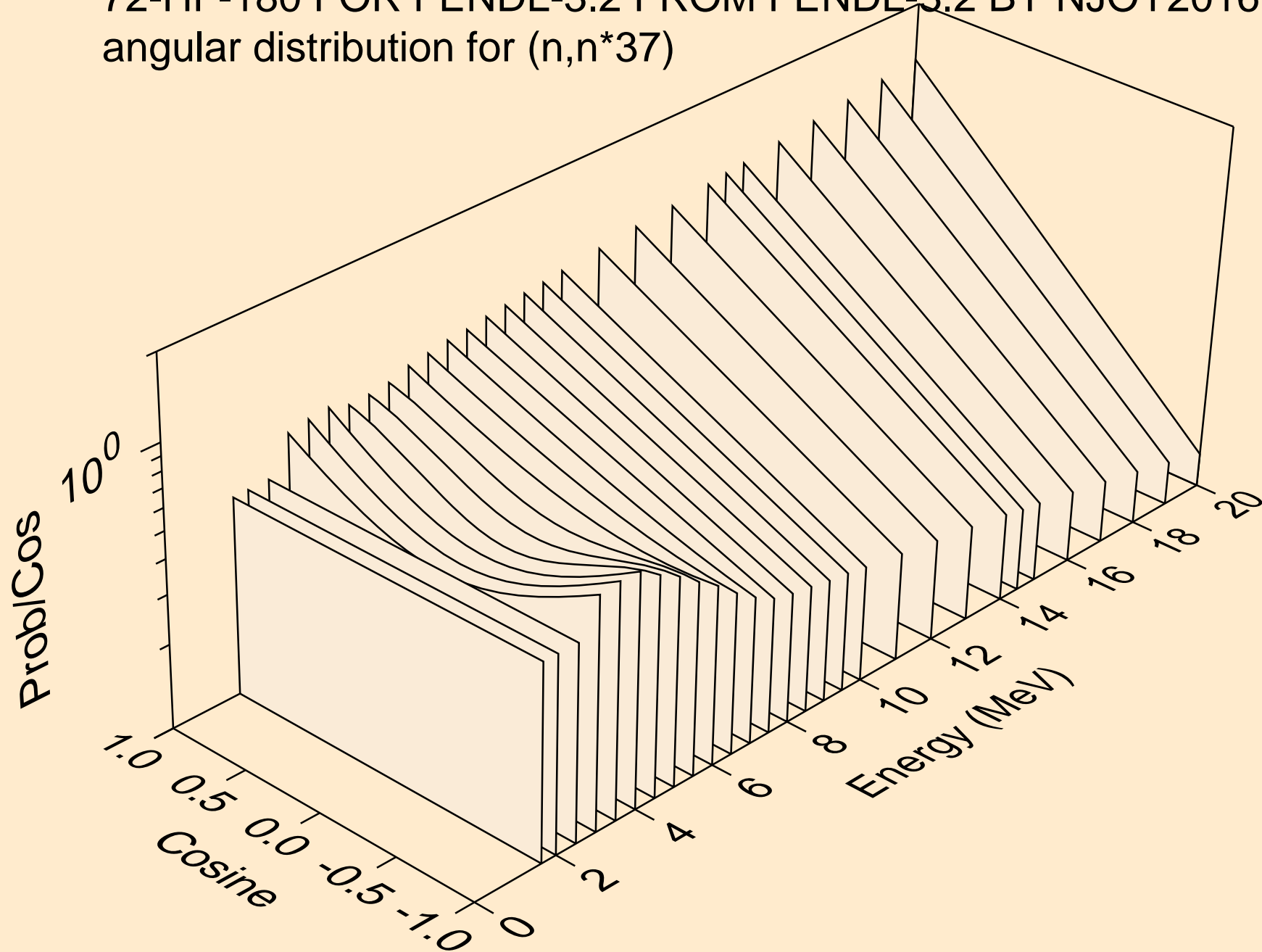
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*35)



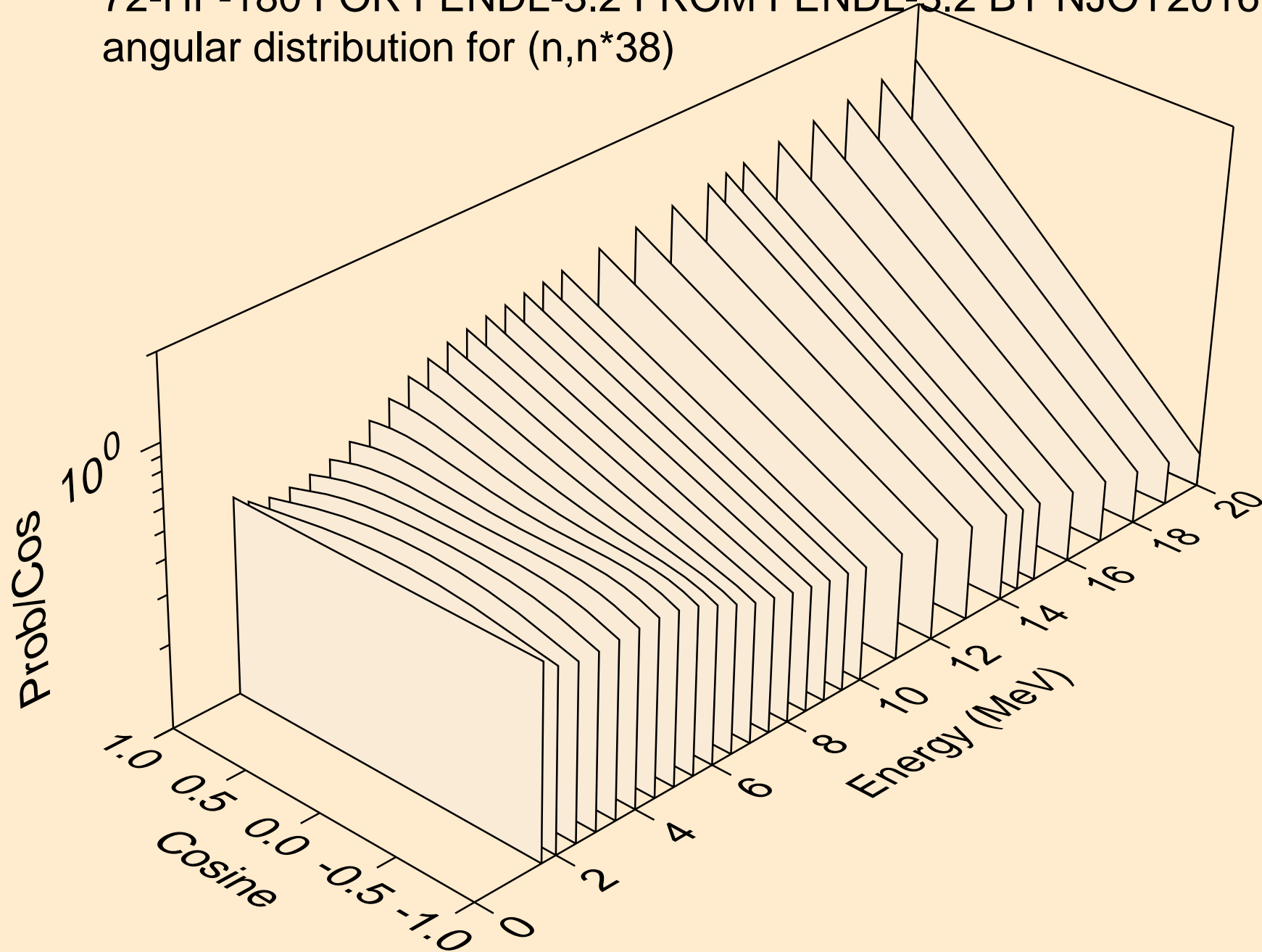
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*36)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*37)

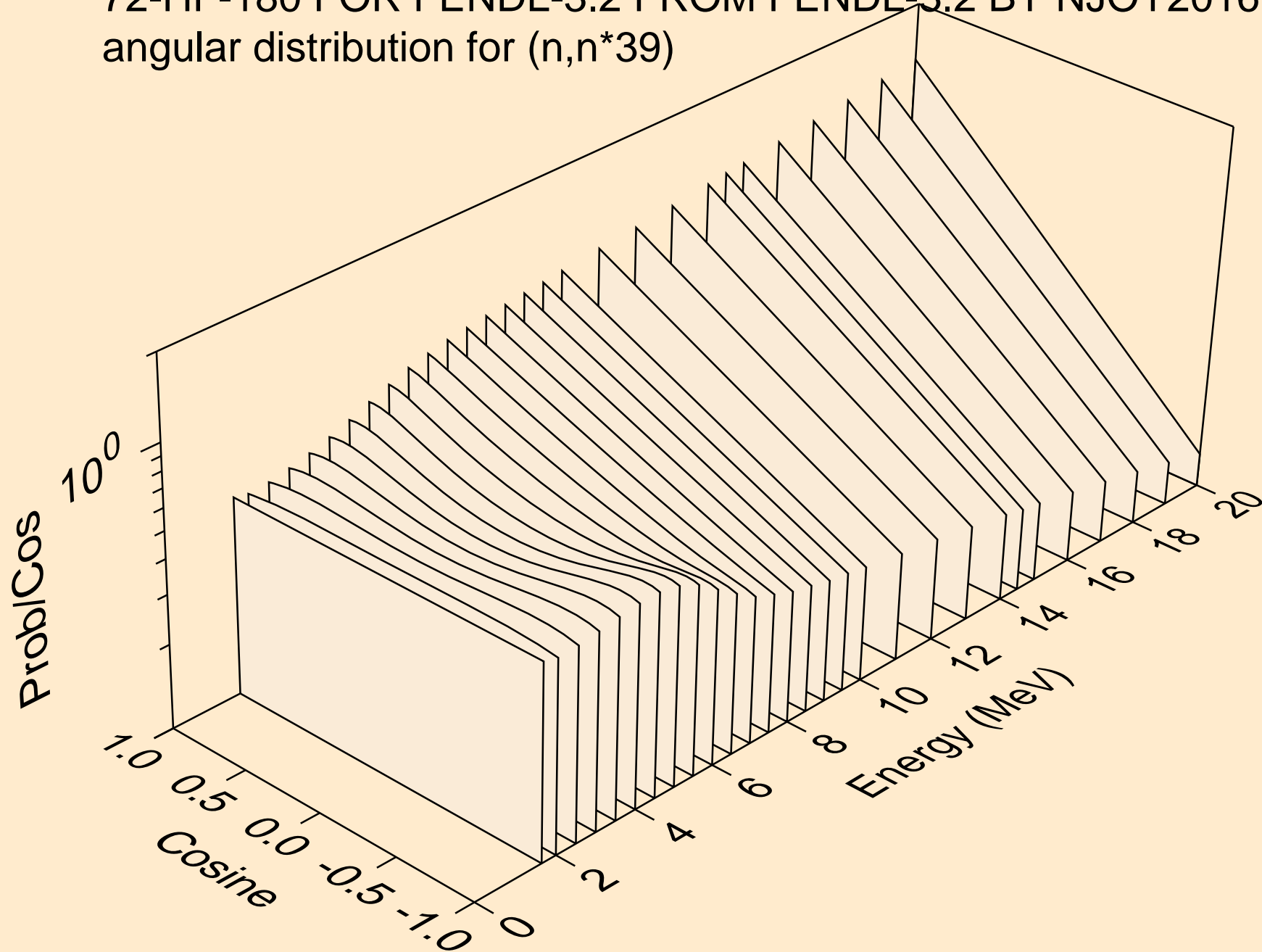


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*38)

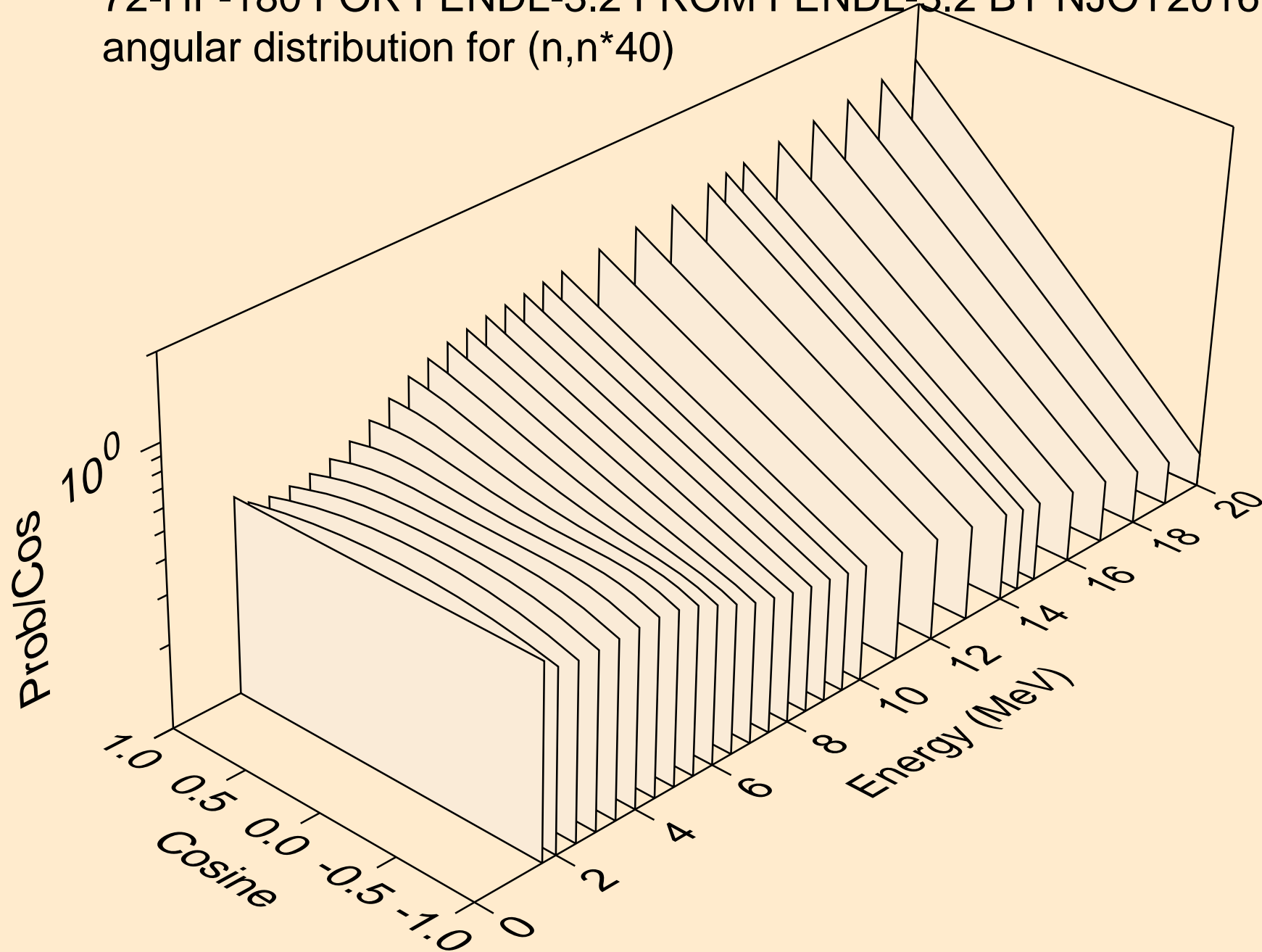




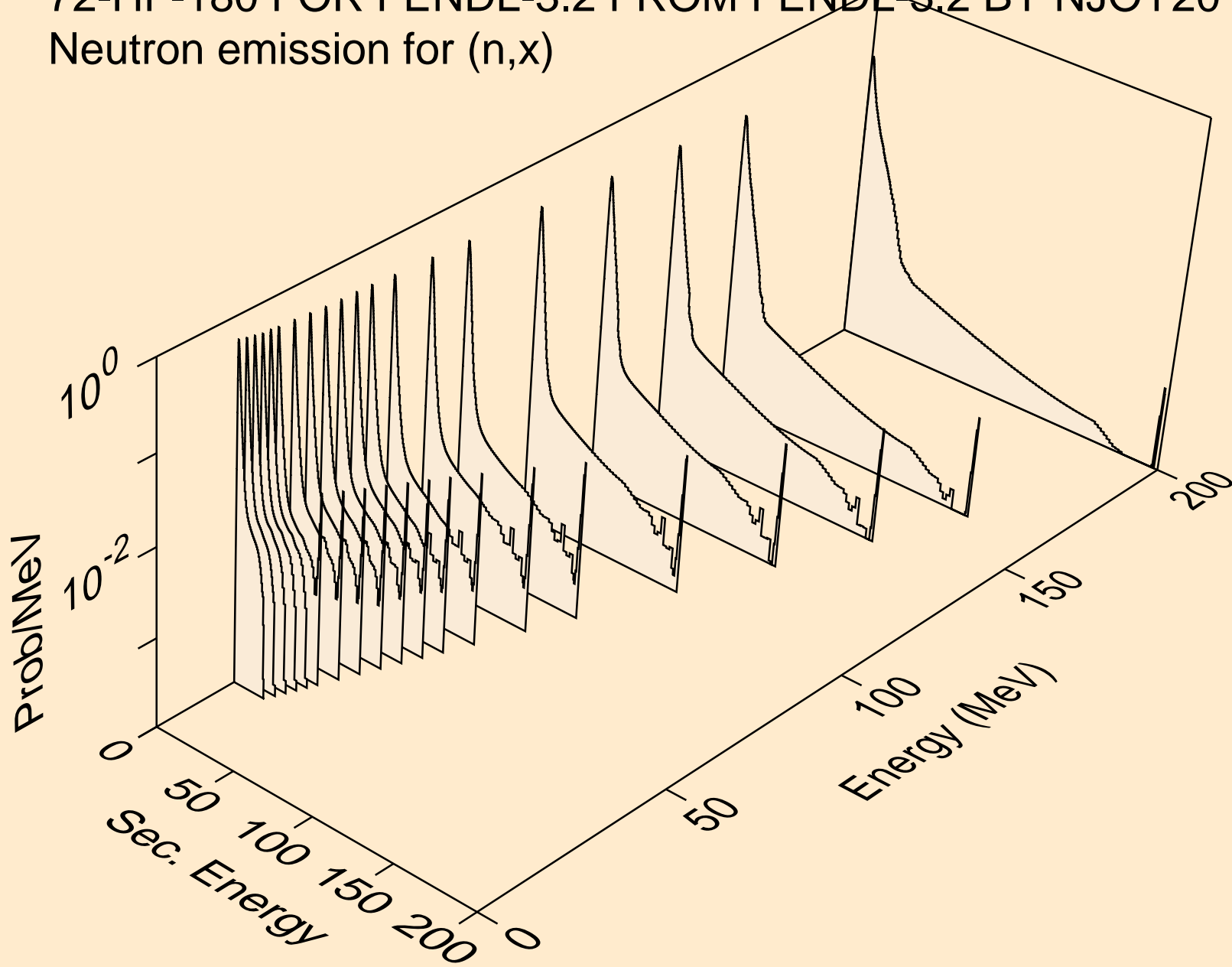
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*39)



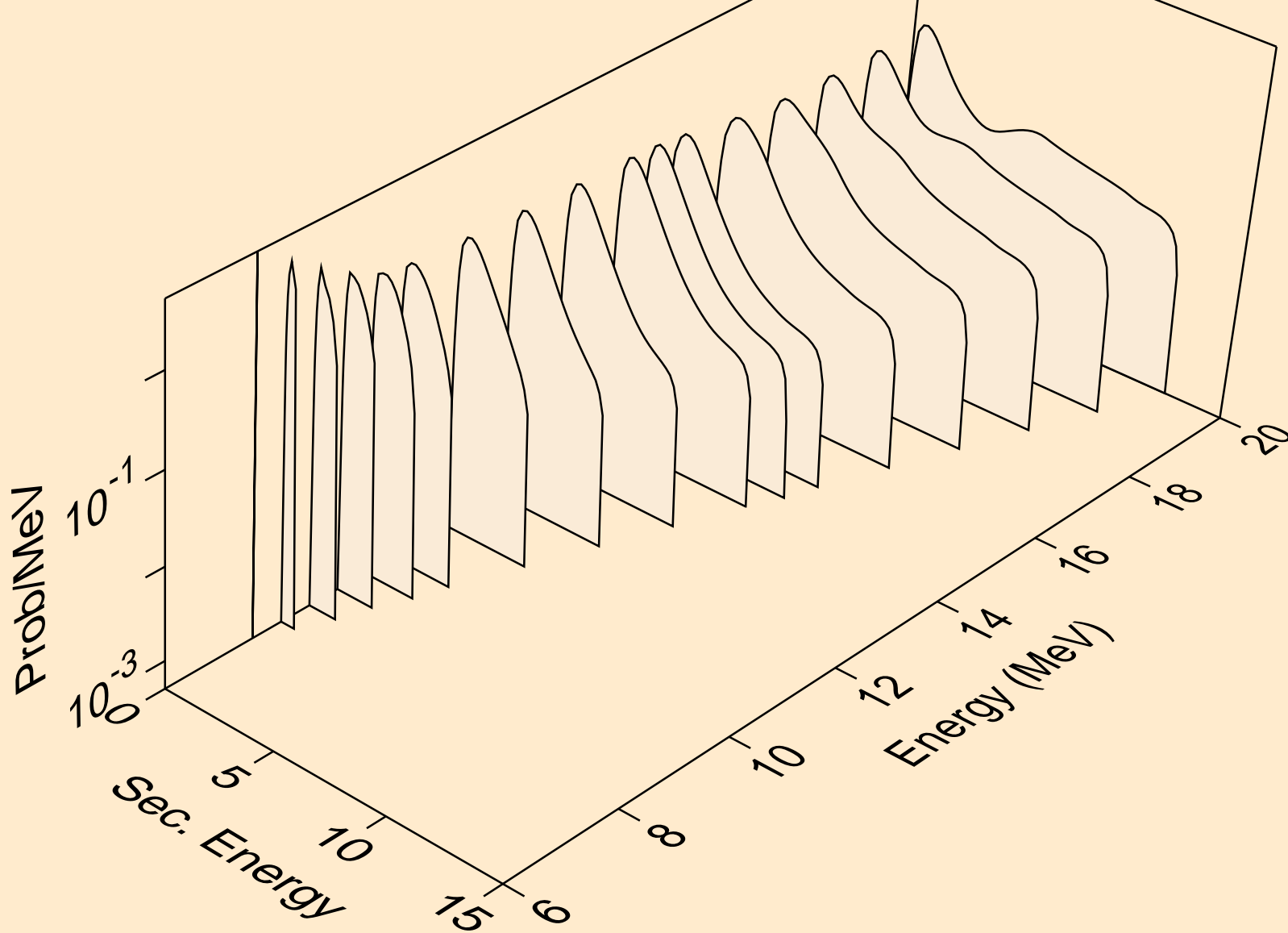
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
angular distribution for (n,n\*40)



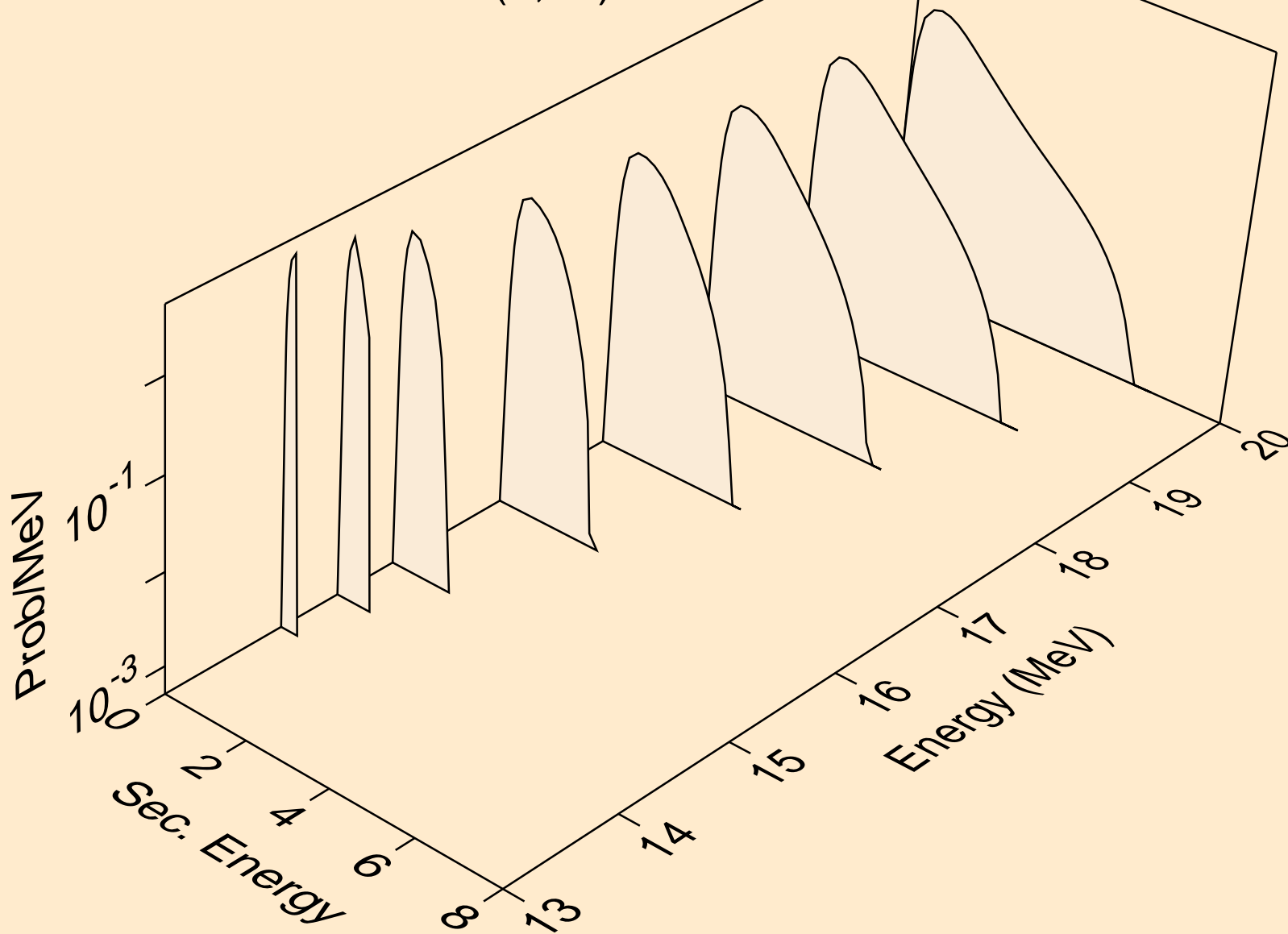
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,x)



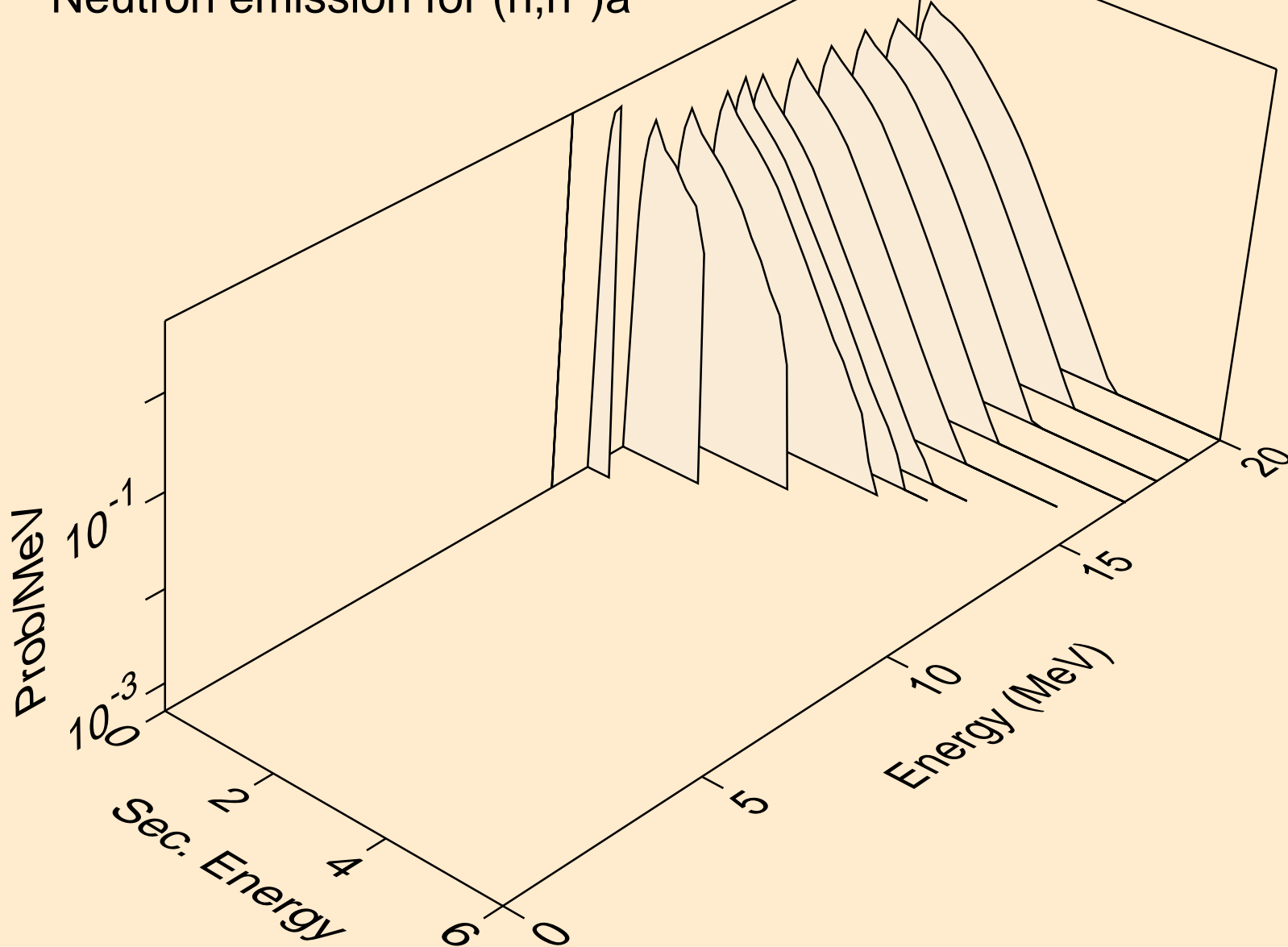
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,2n)



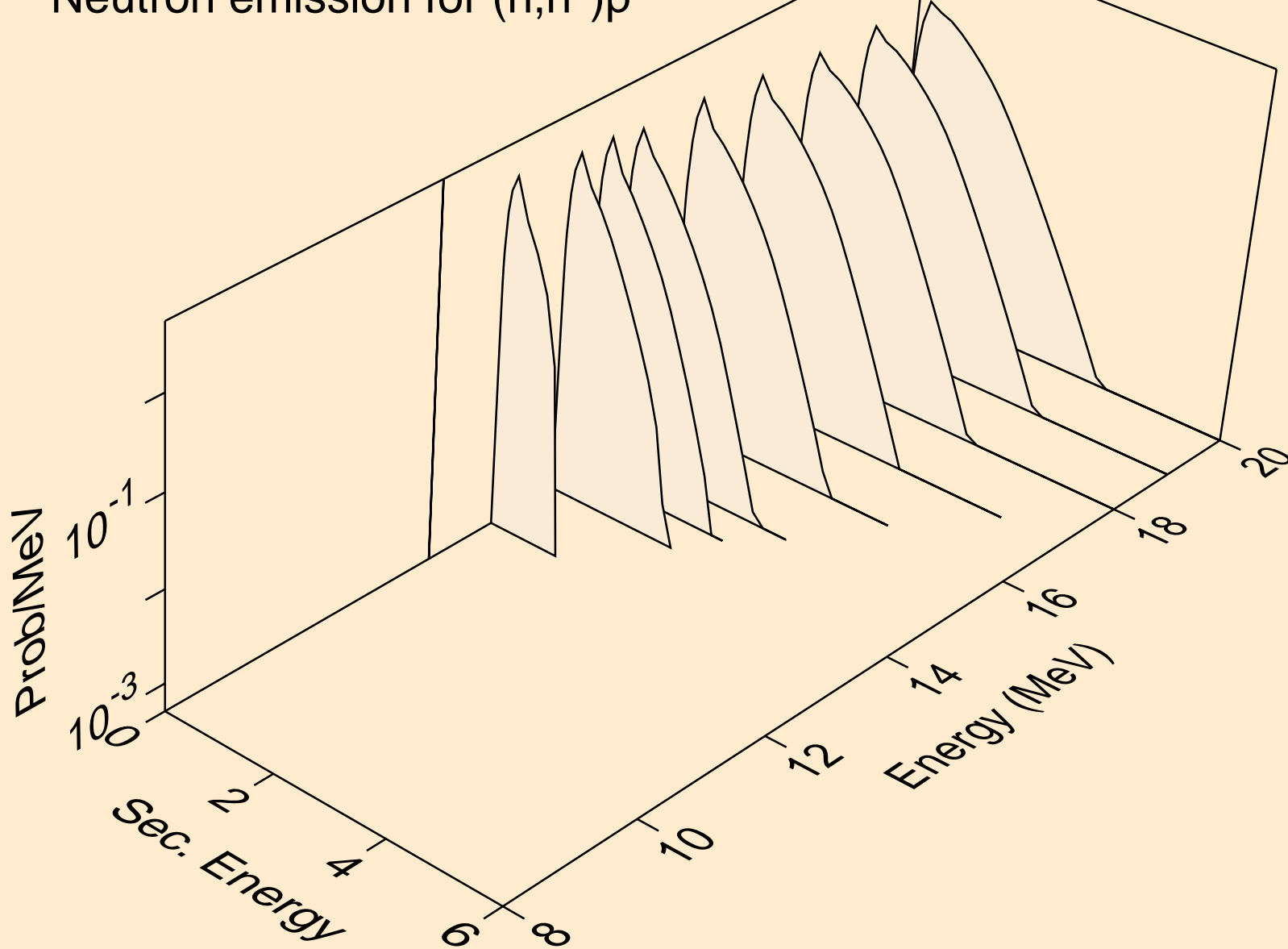
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,3n)



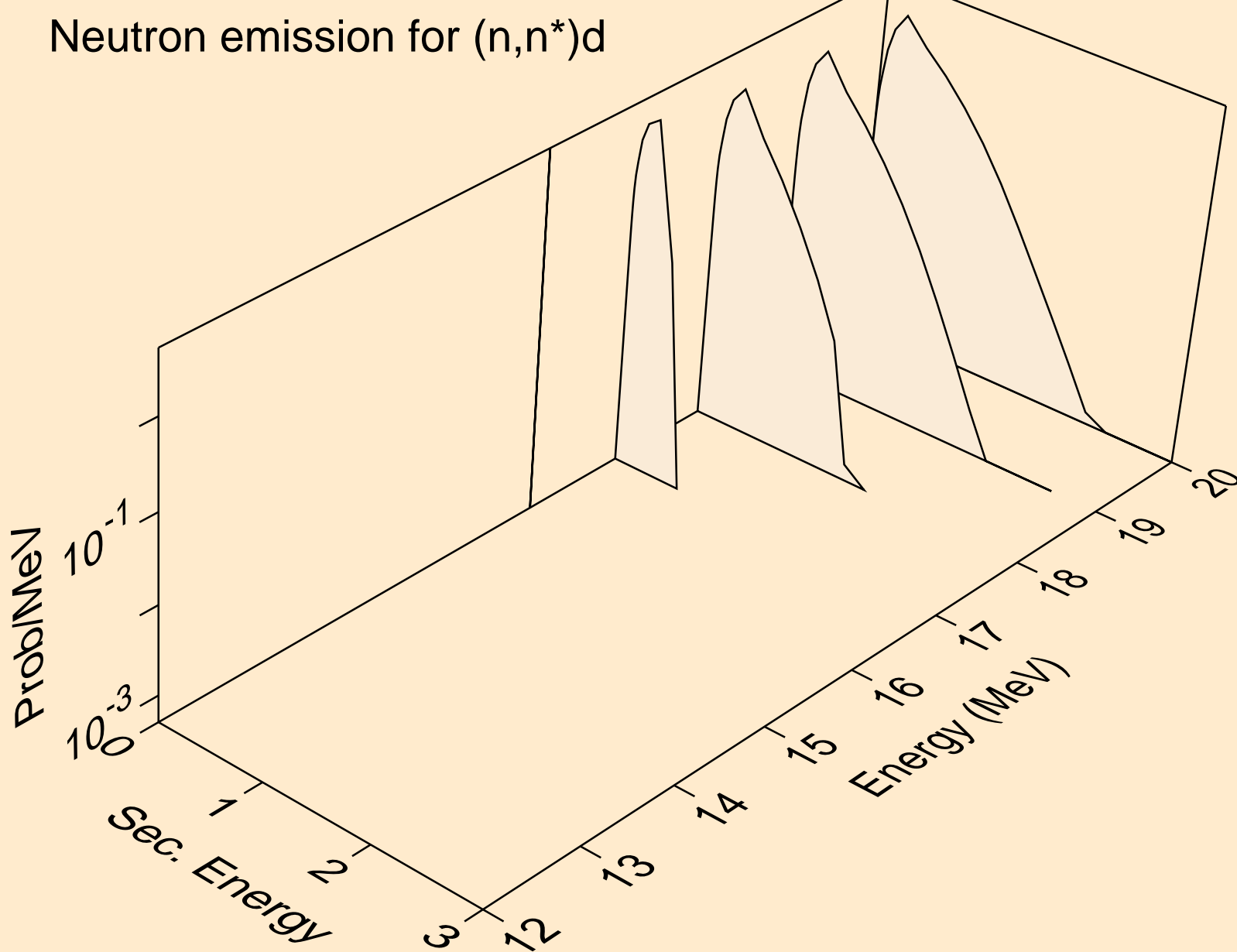
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,n\*)a



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,n\*)p

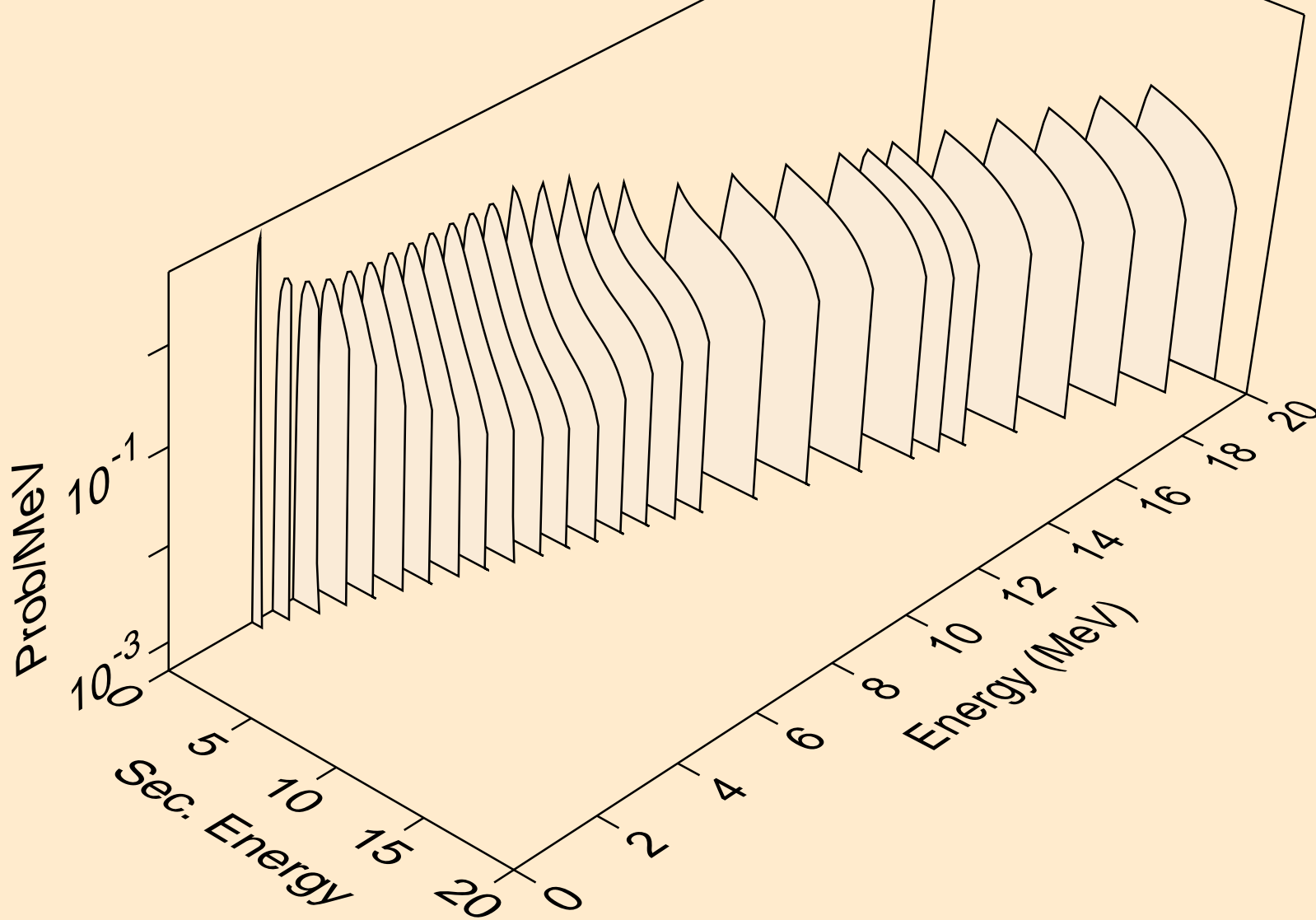


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,n\*)d

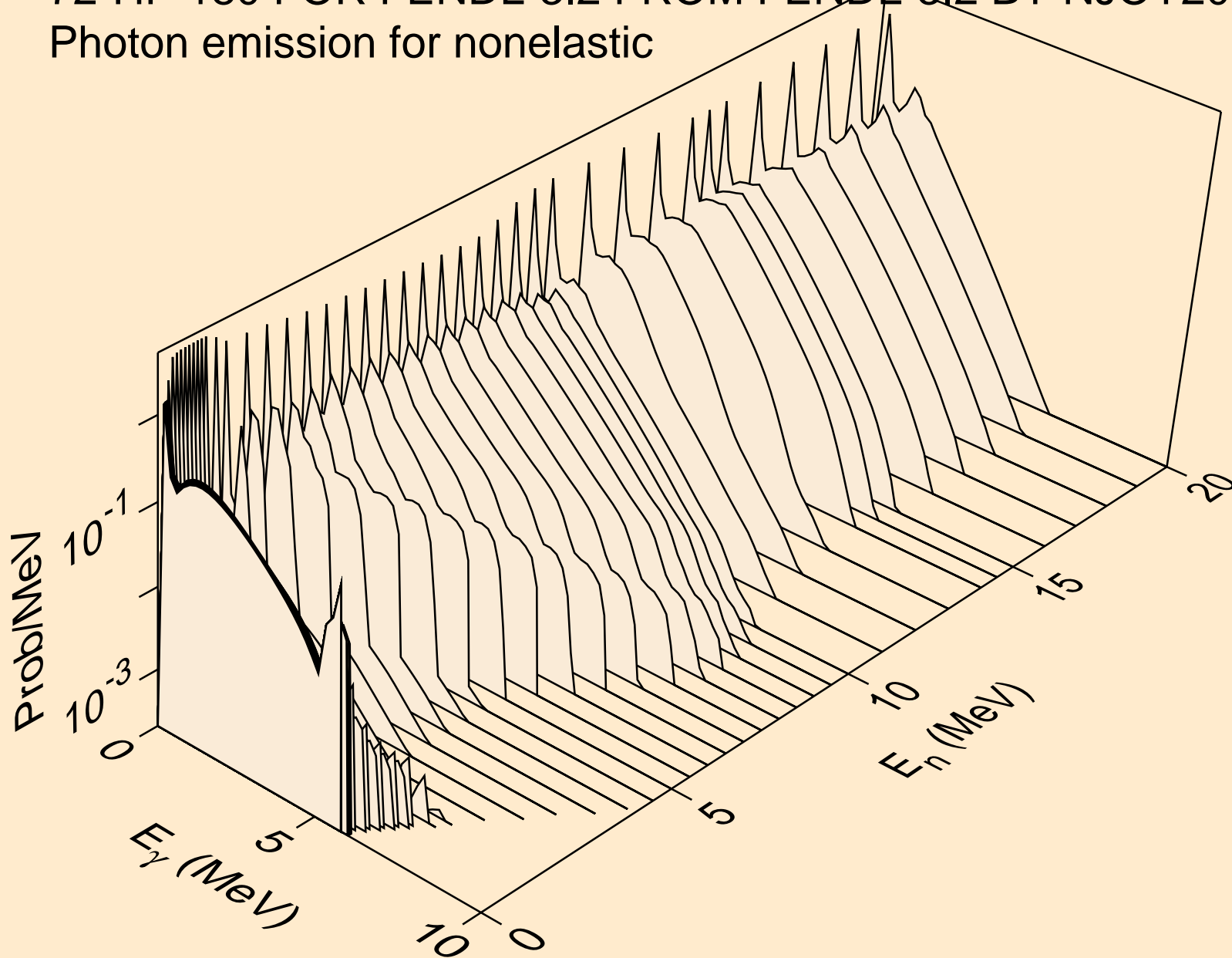




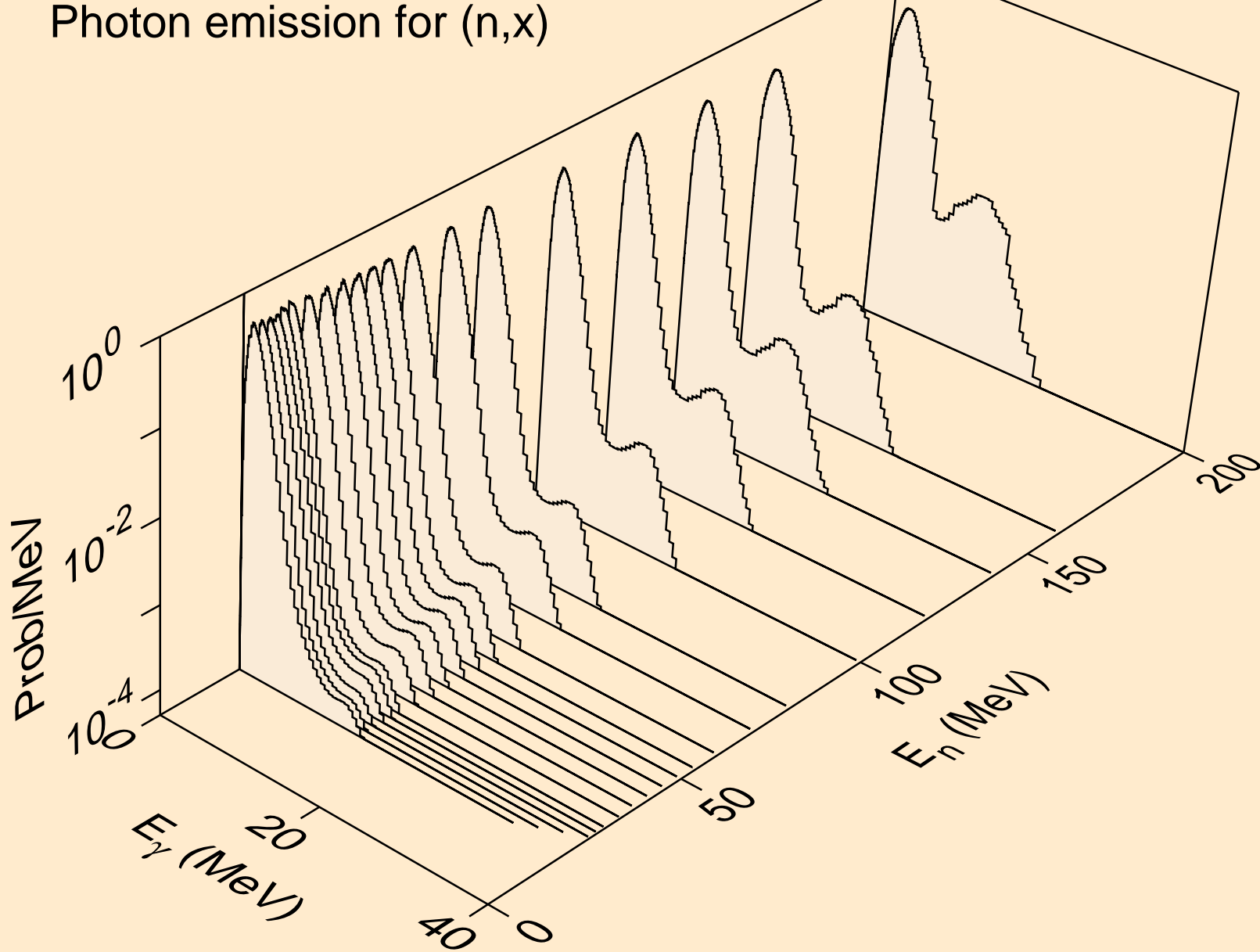
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Neutron emission for (n,n\*c)



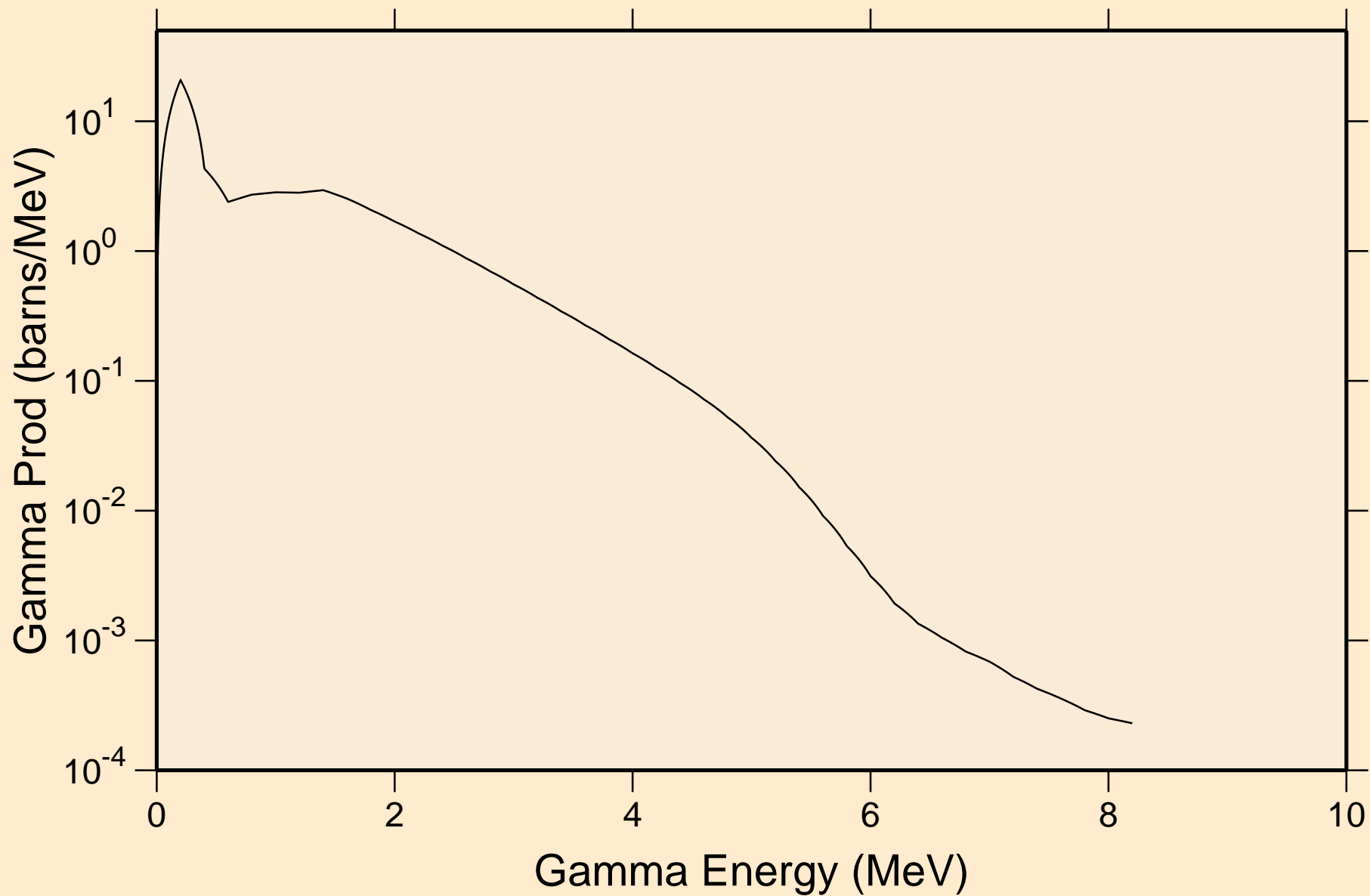
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Photon emission for nonelastic



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Photon emission for (n,x)

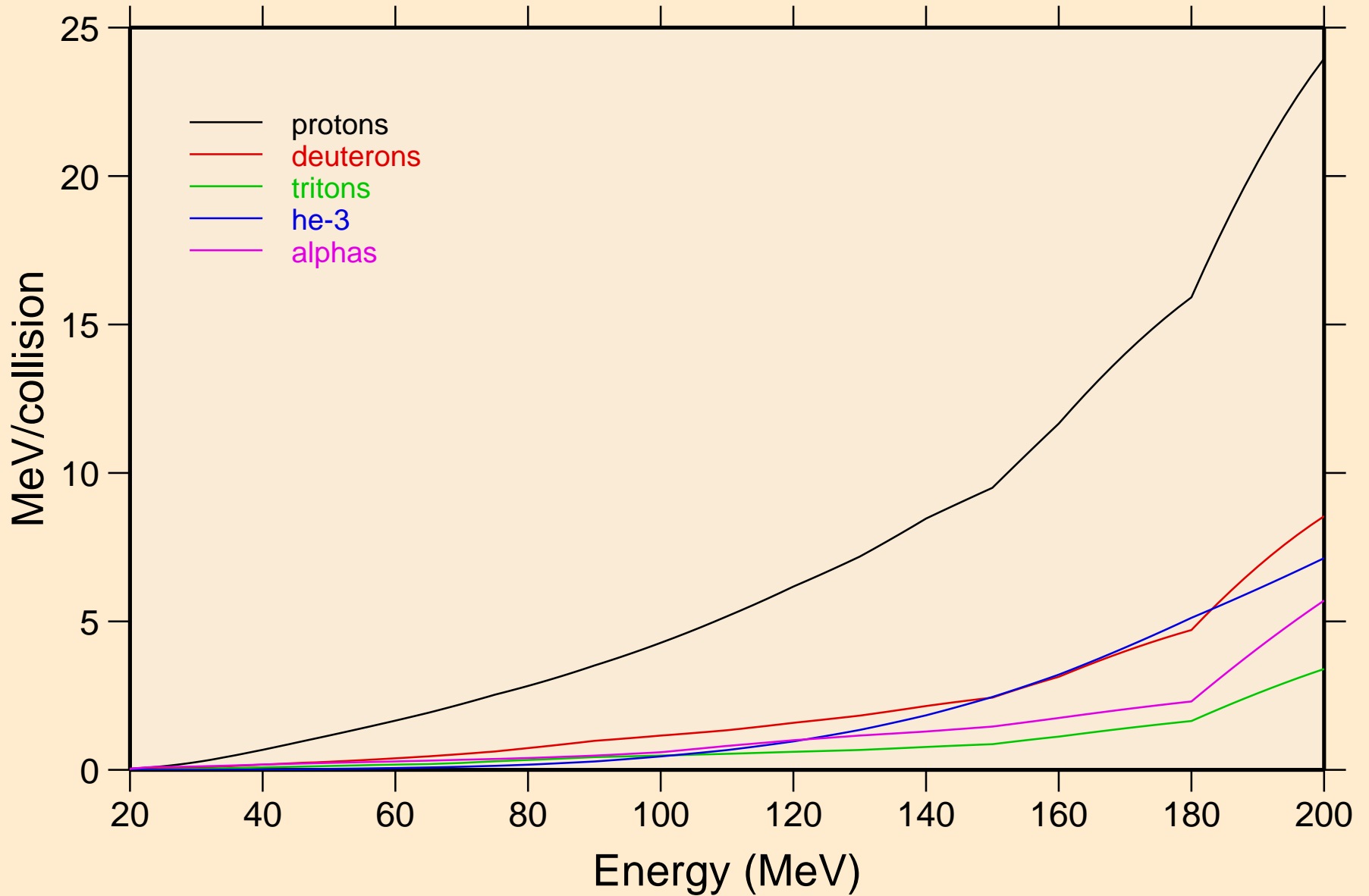


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
14 MeV photon spectrum

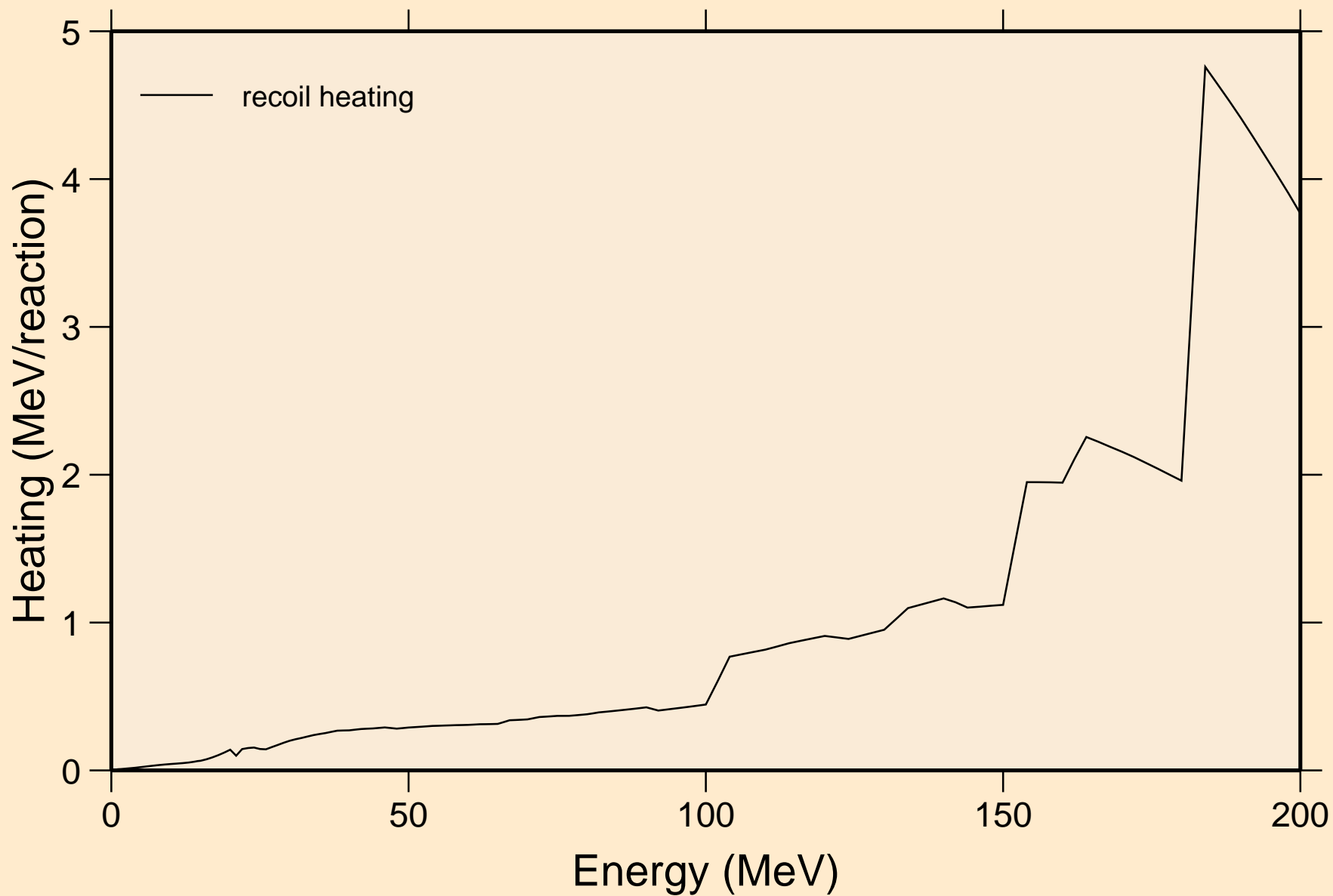


# 72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C

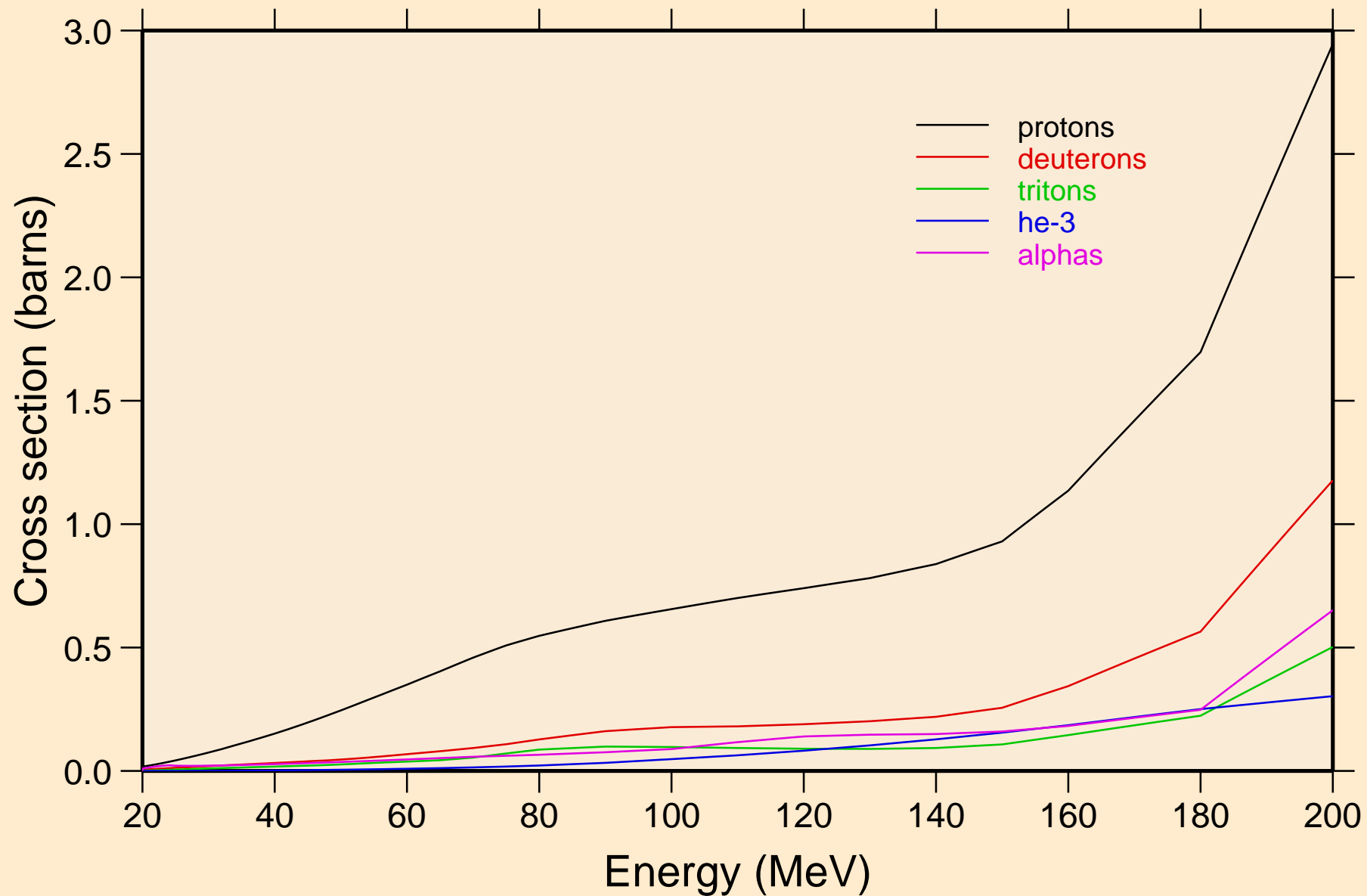
## Particle heating contributions



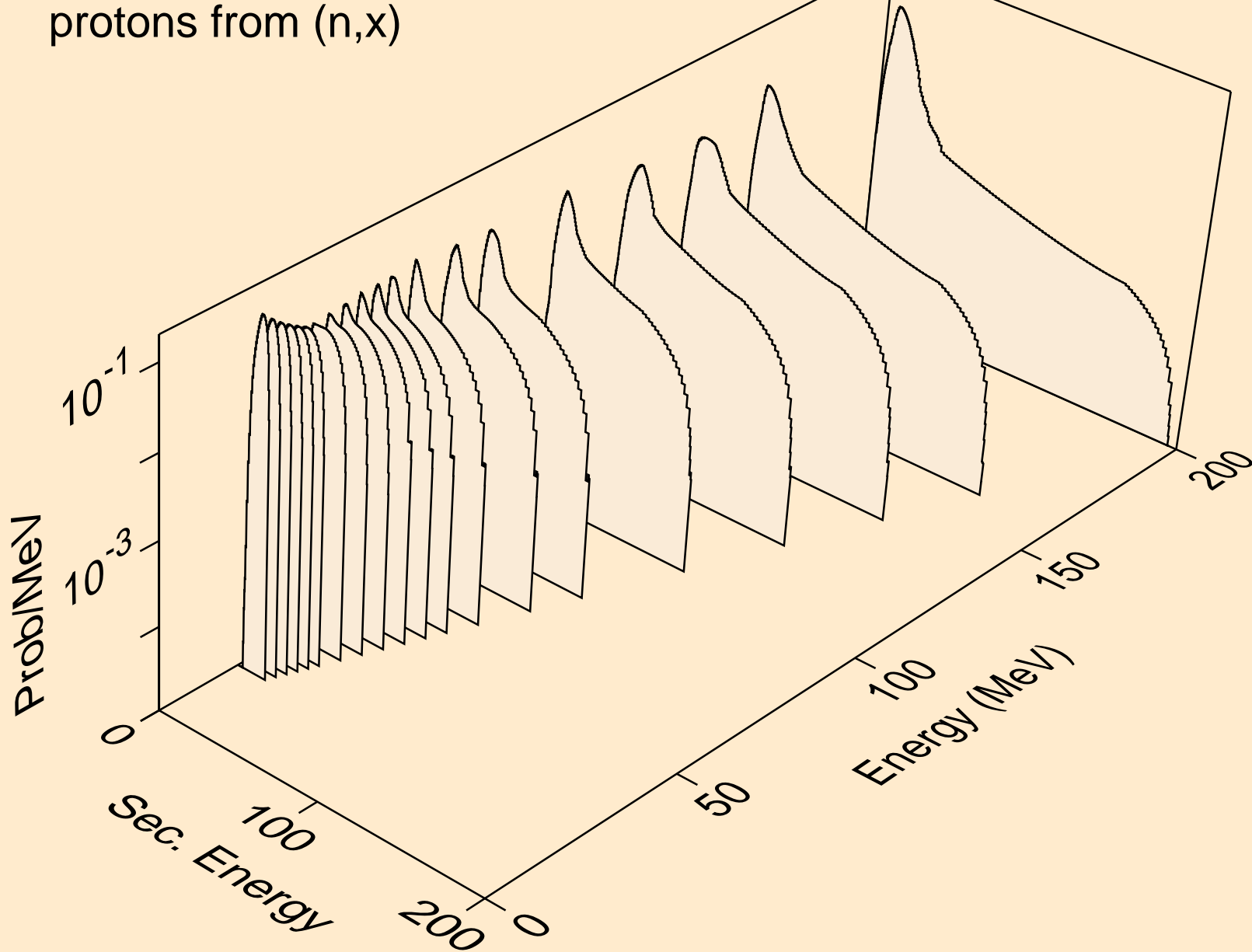
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Recoil Heating



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
Particle production cross sections

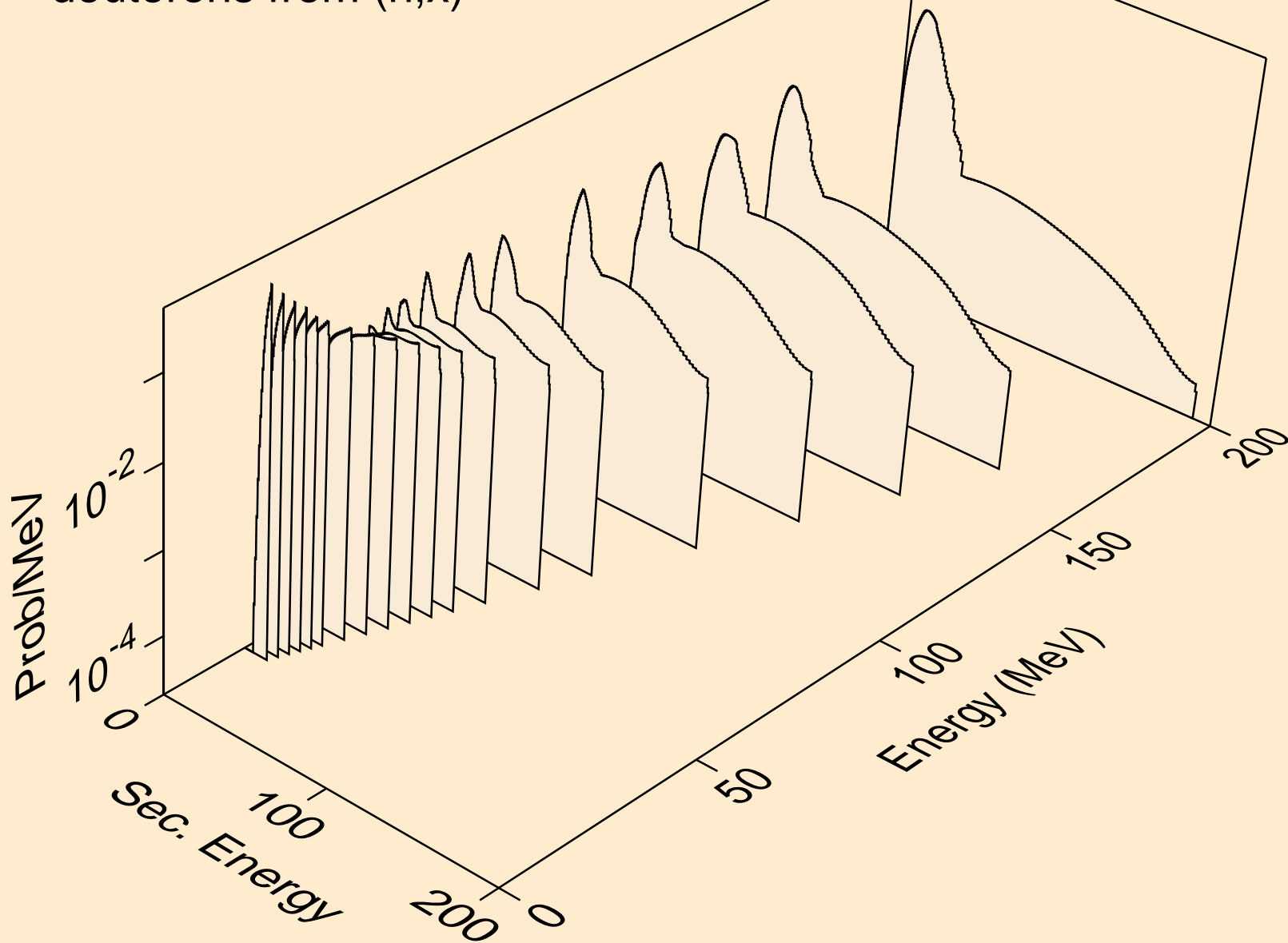


72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
protons from (n,x)

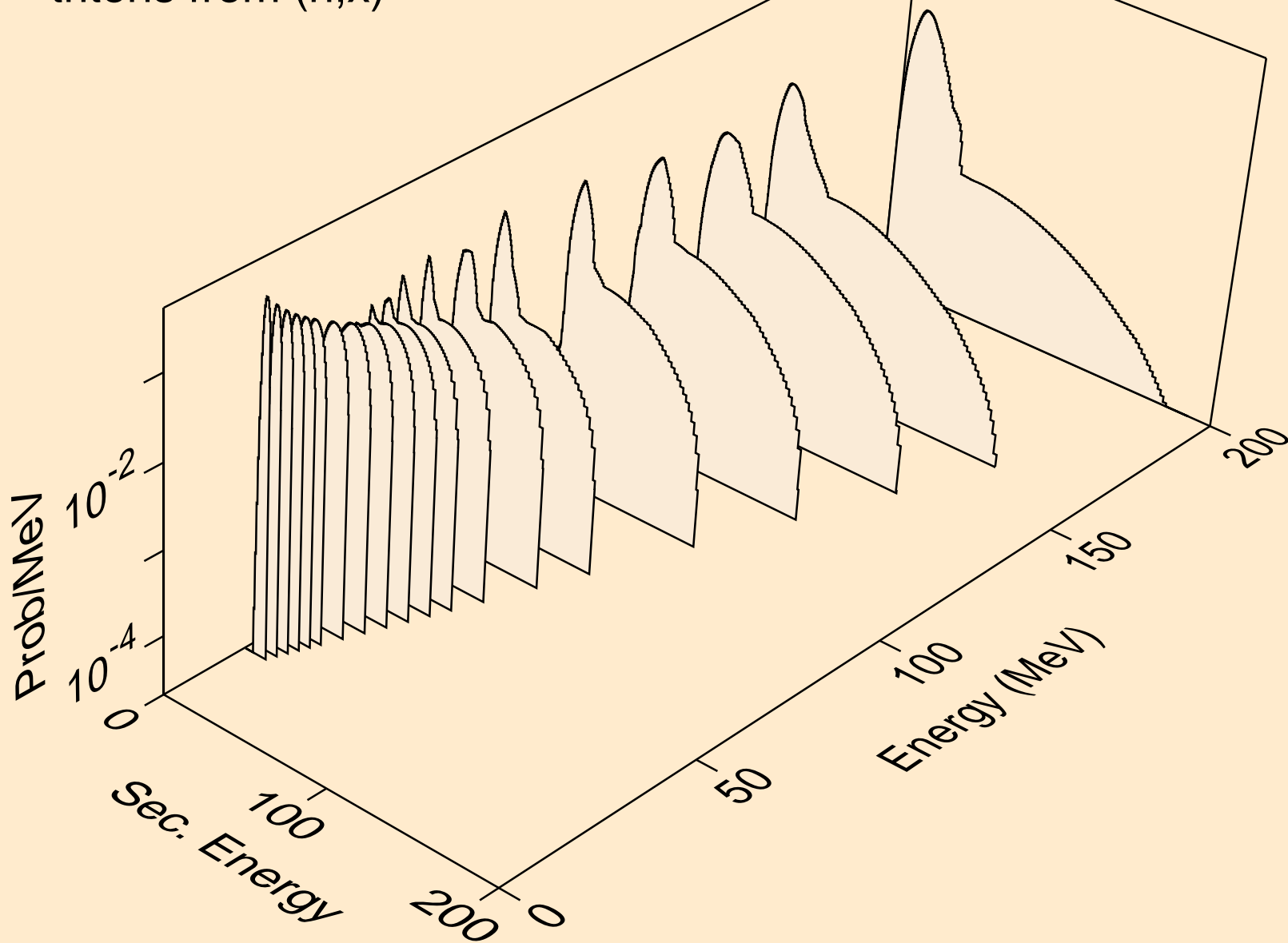




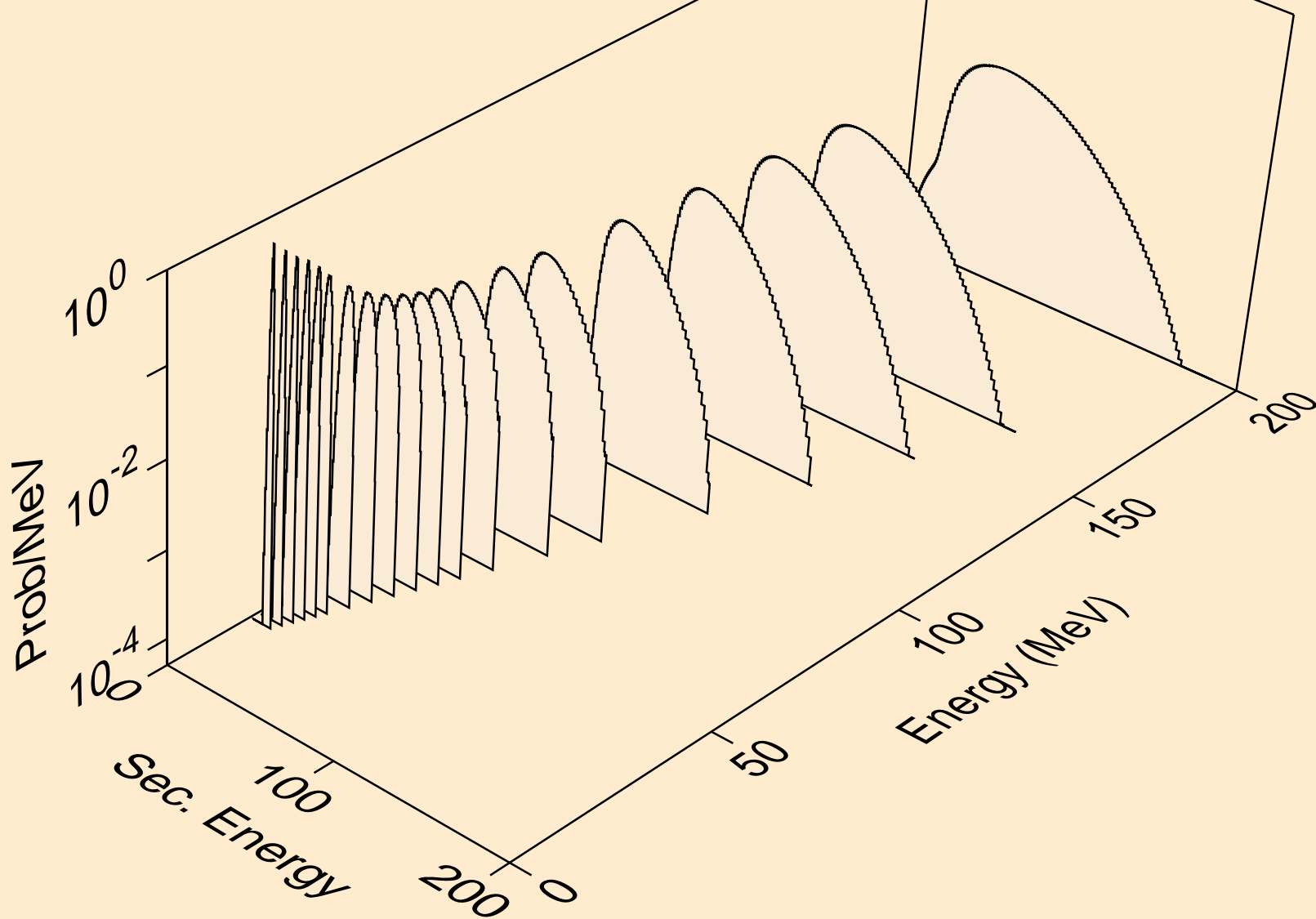
72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
deuterons from (n,x)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
tritons from (n,x)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
he3s from (n,x)



72-HF-180 FOR FENDL-3.2 FROM FENDL-3.2 BY NJOY2016.60+ C  
alphas from (n,x)

