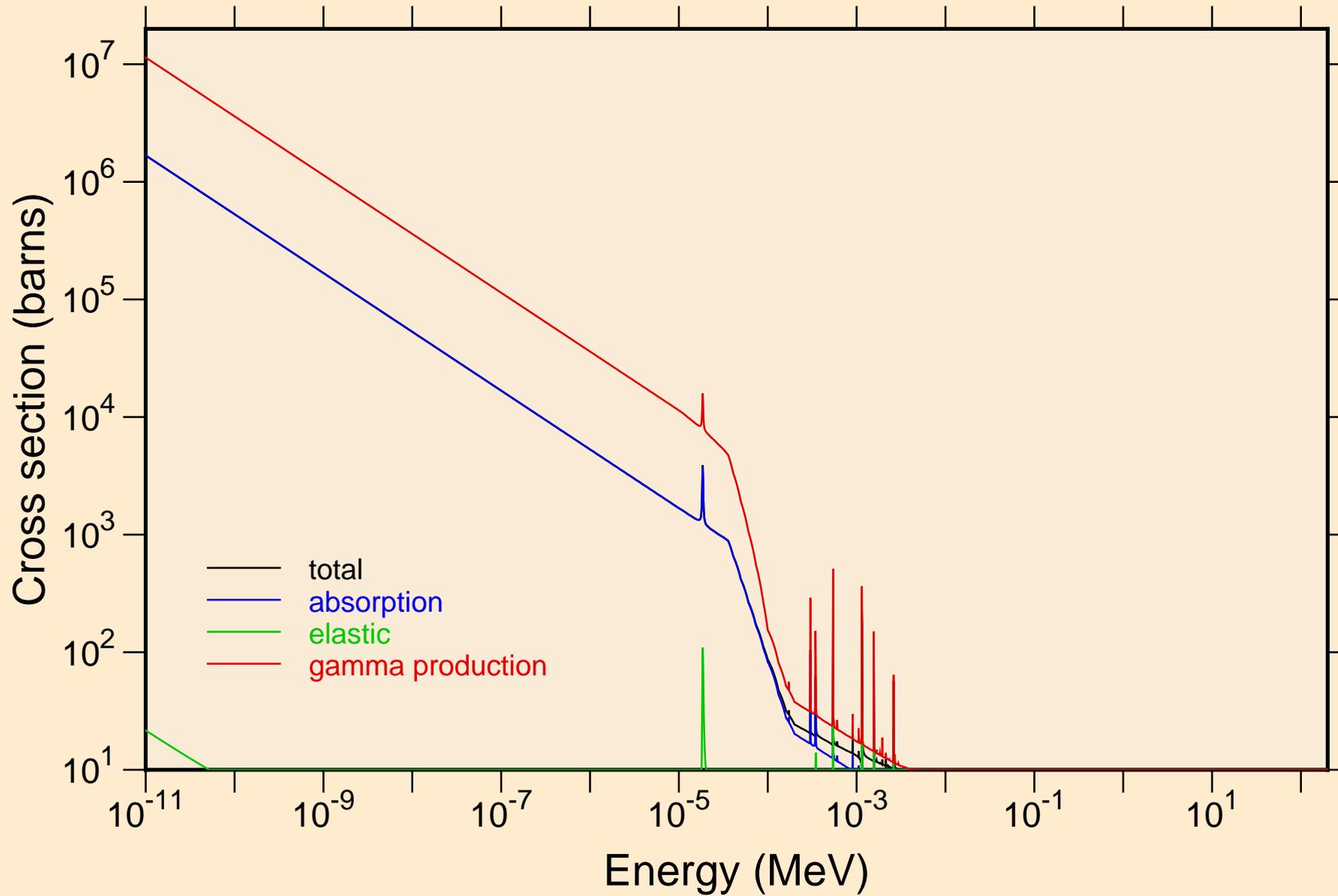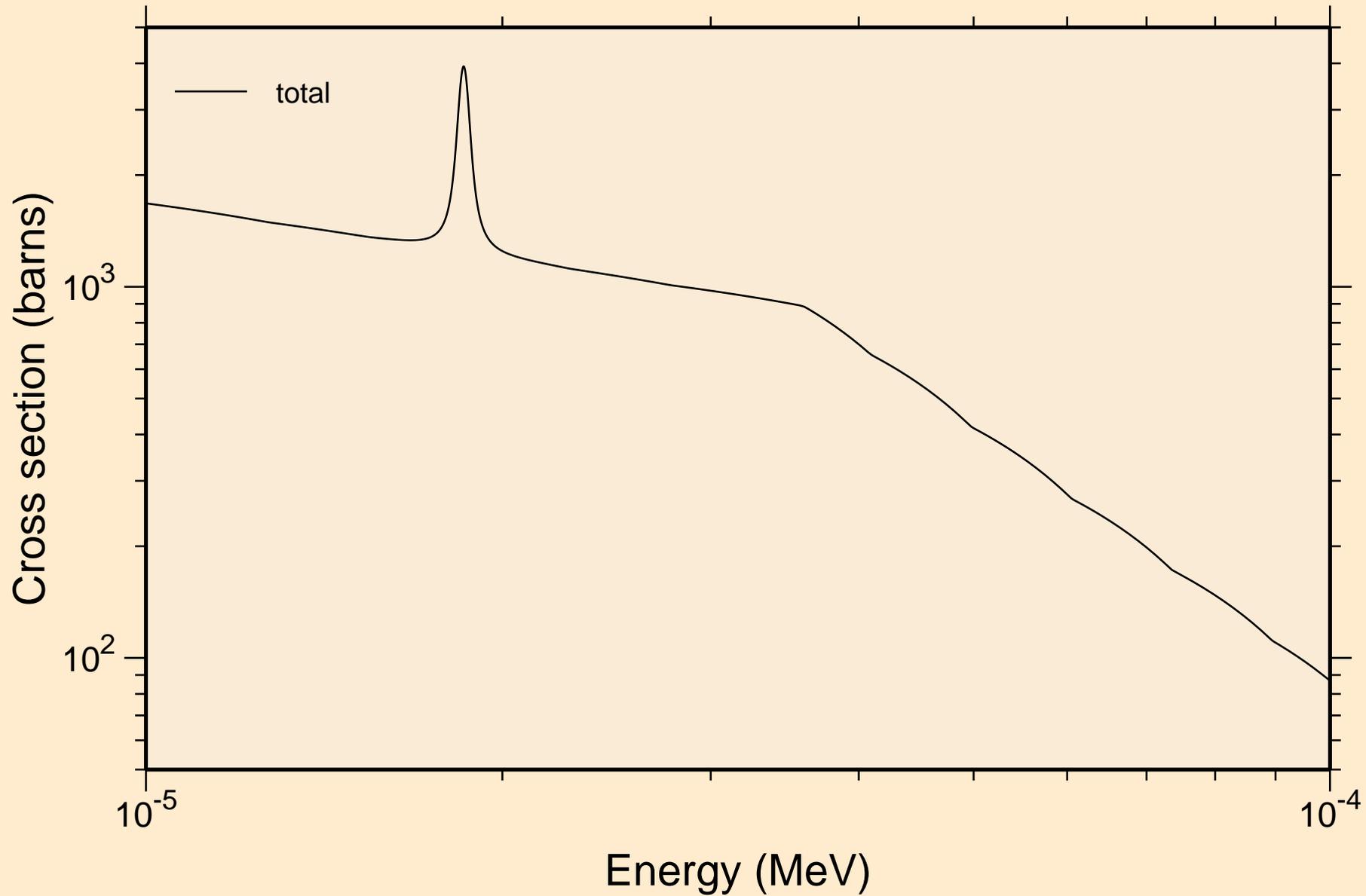SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Principal cross sections

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
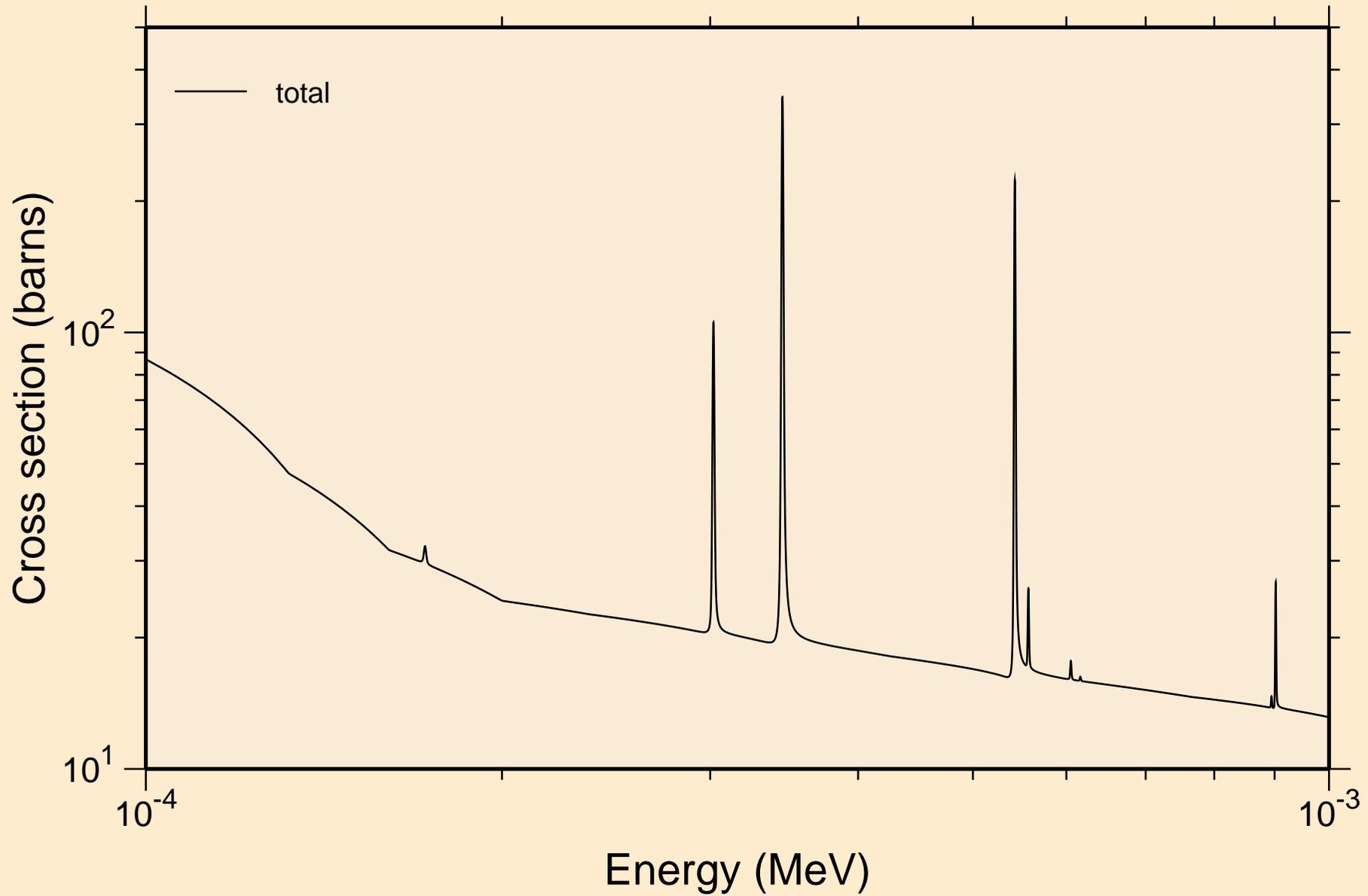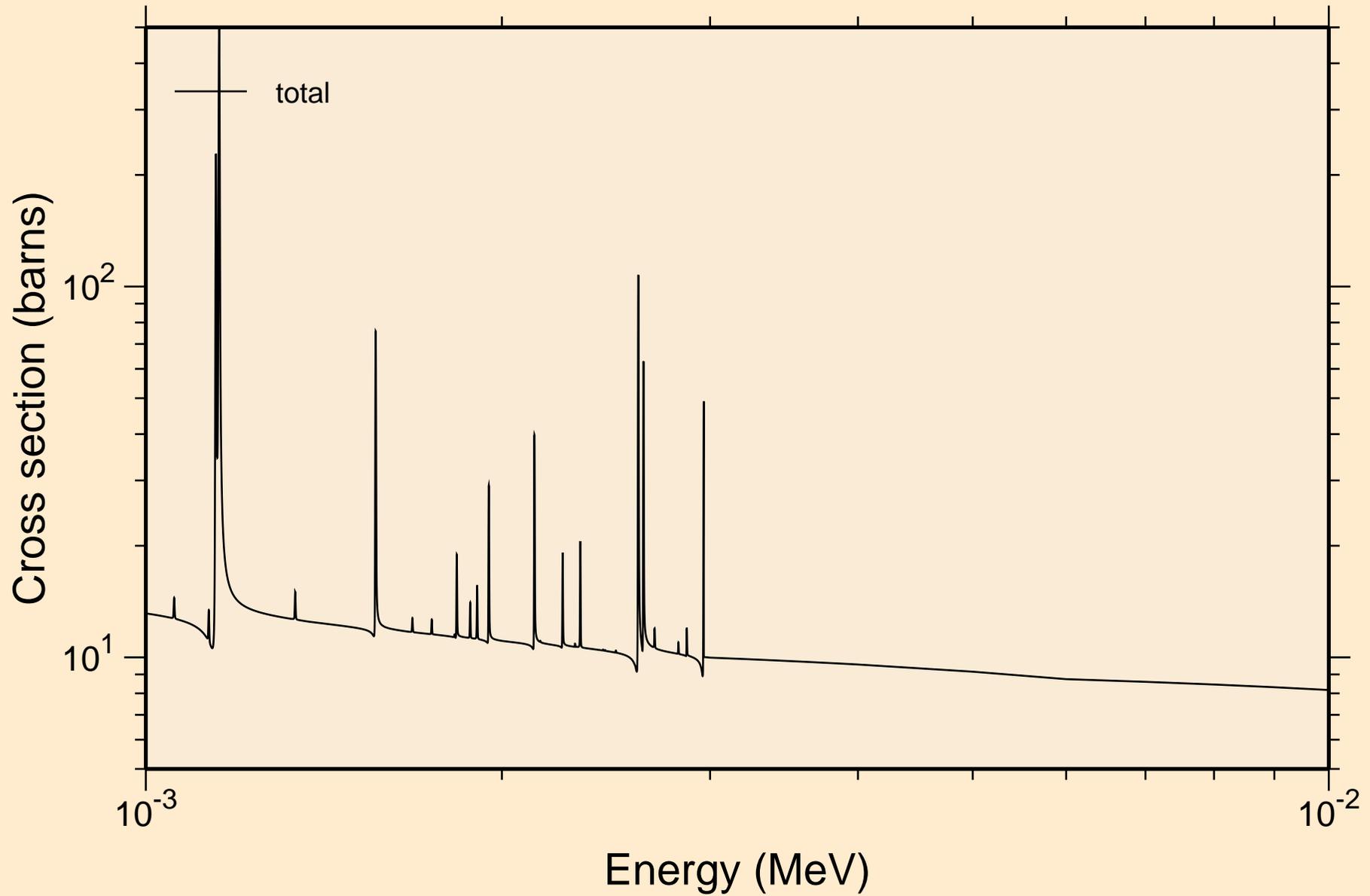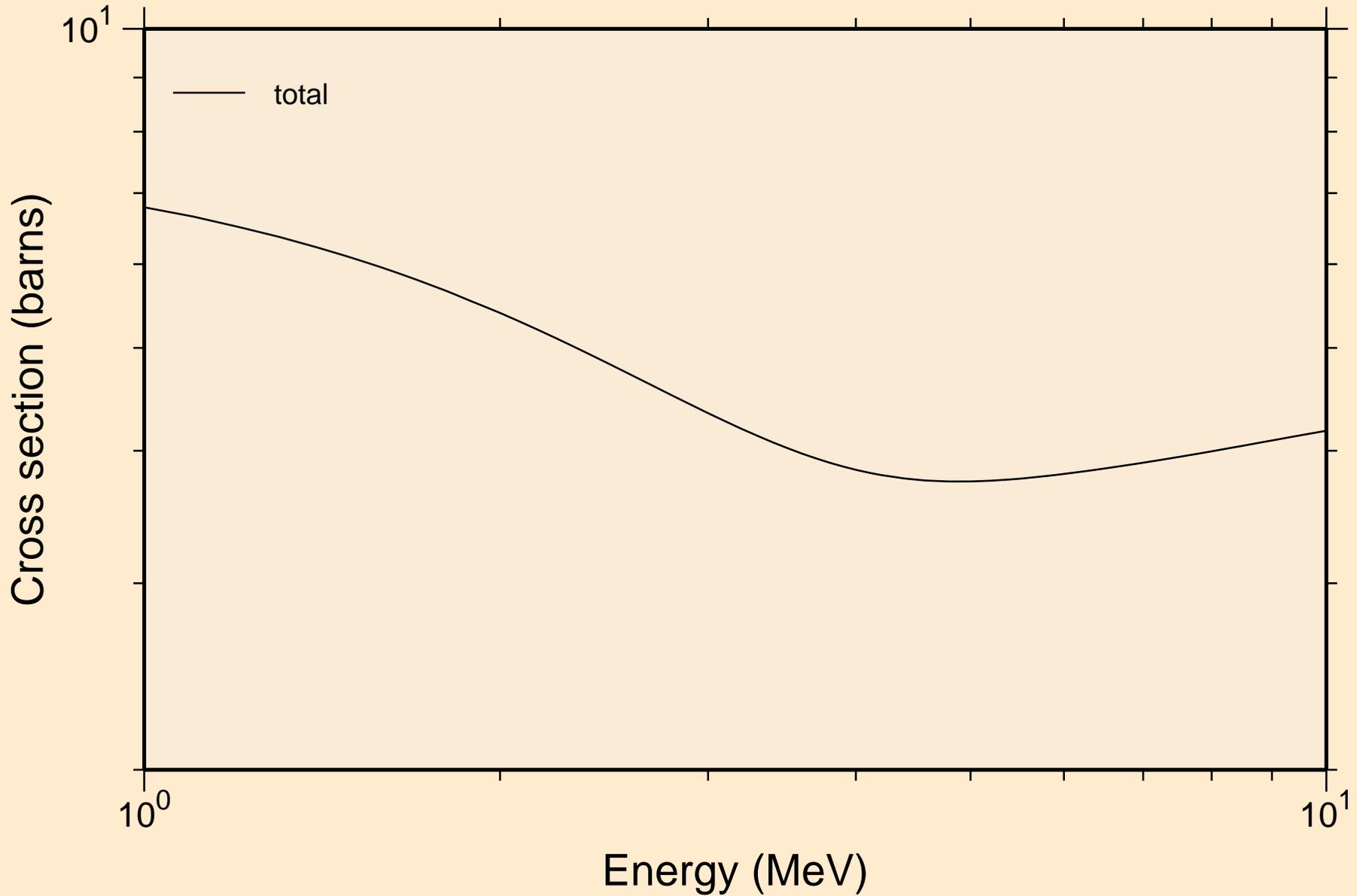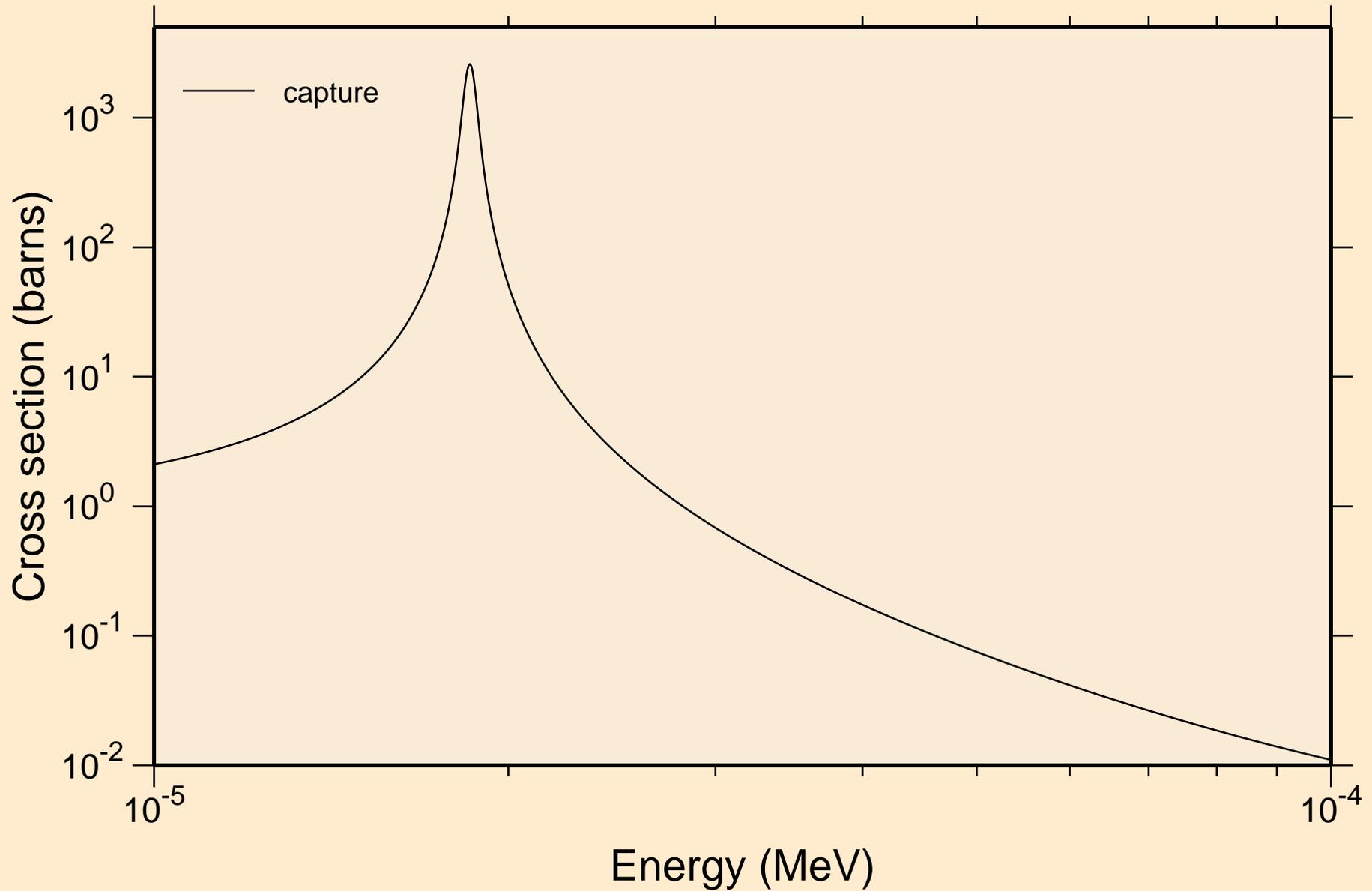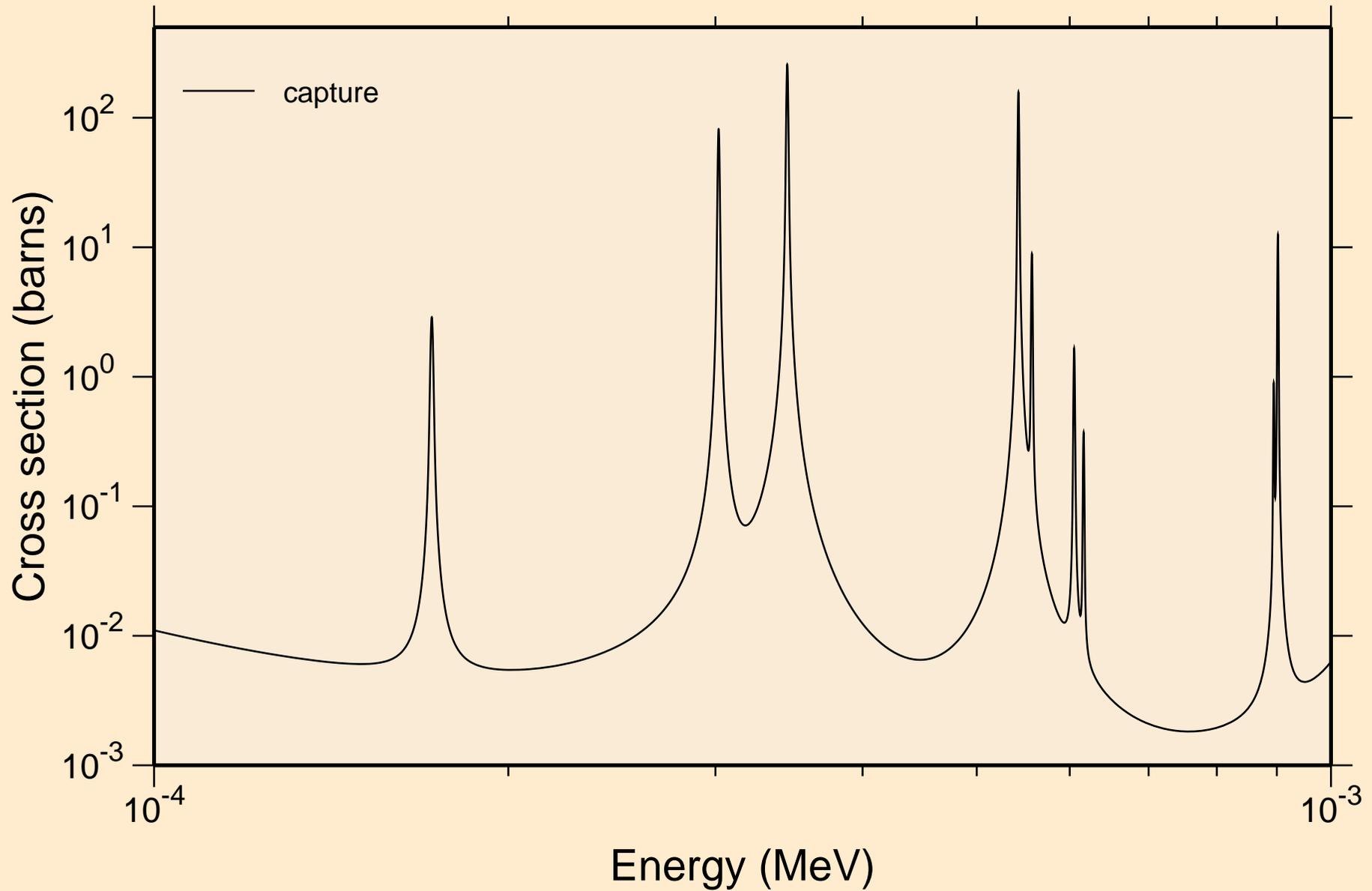resonance total cross section

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance total cross section

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
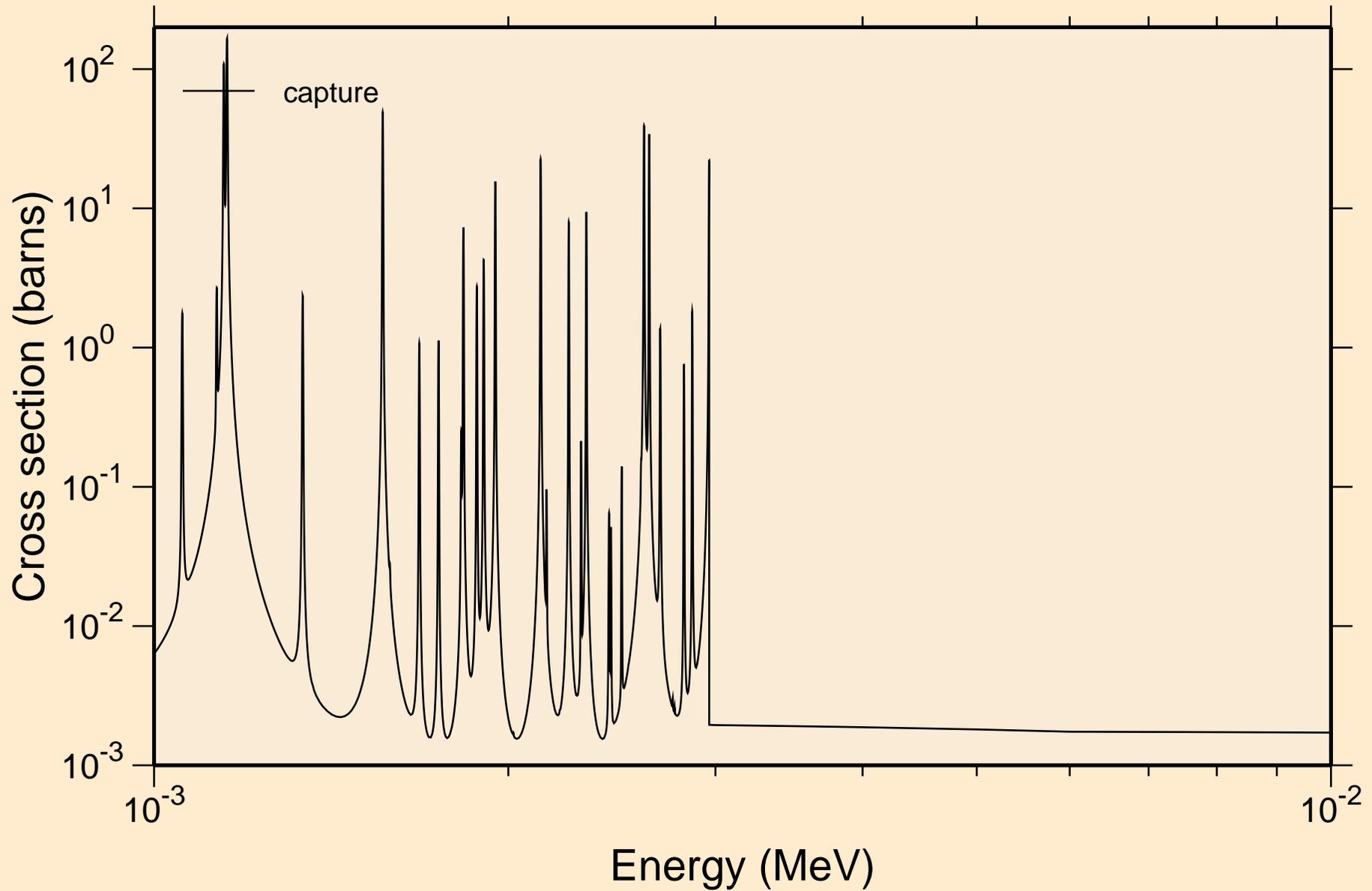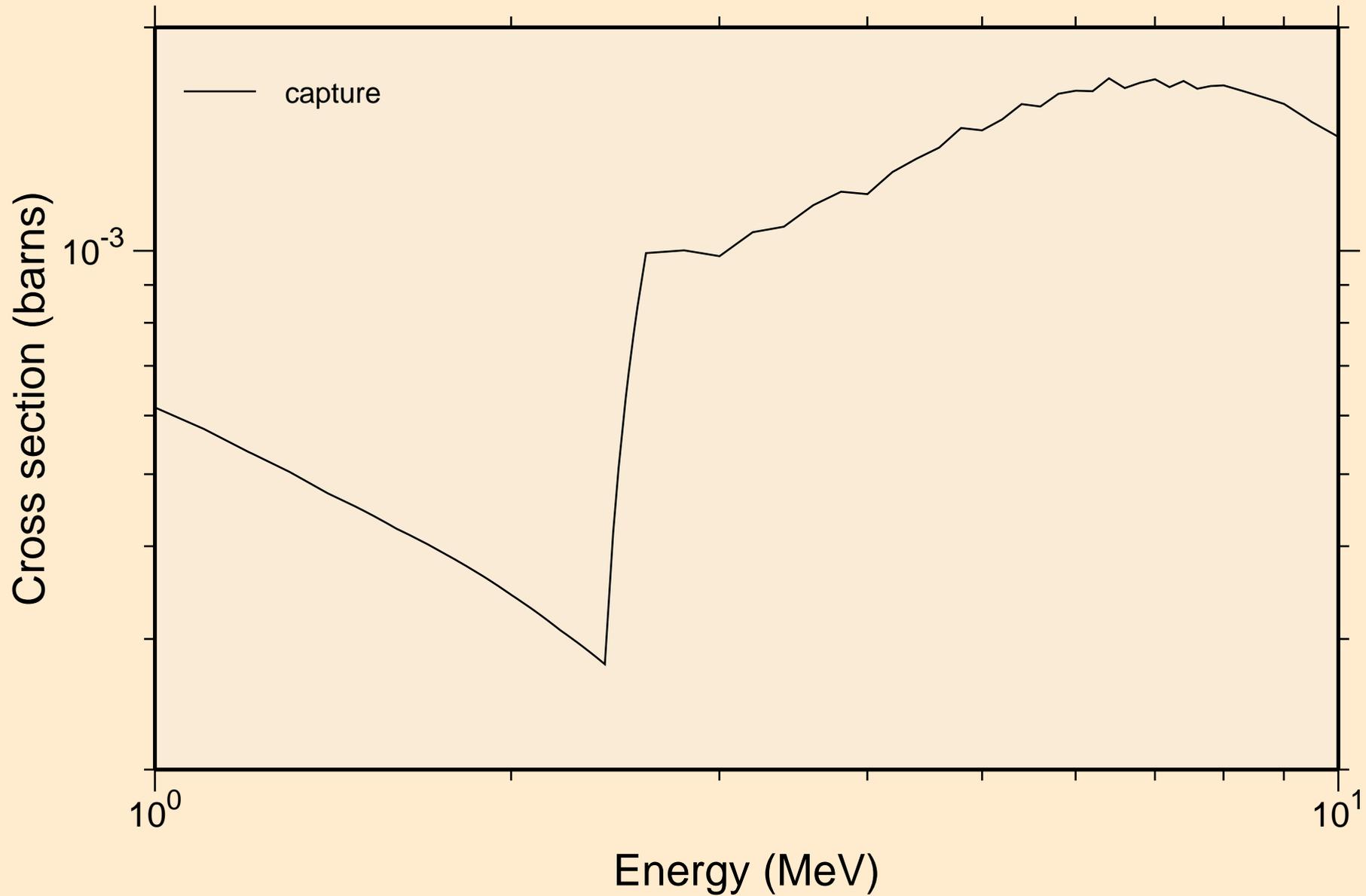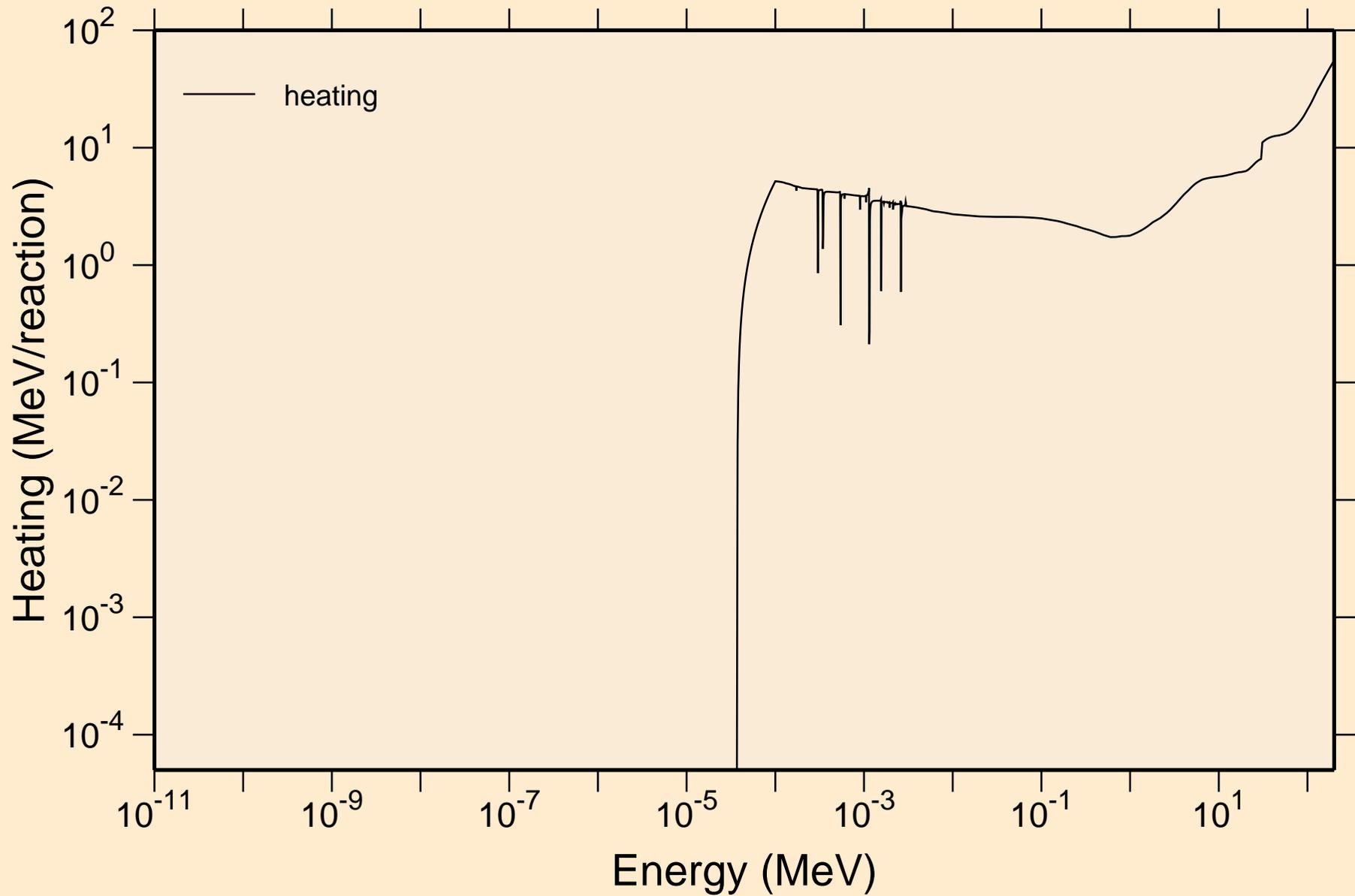
SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
resonance absorption cross sections
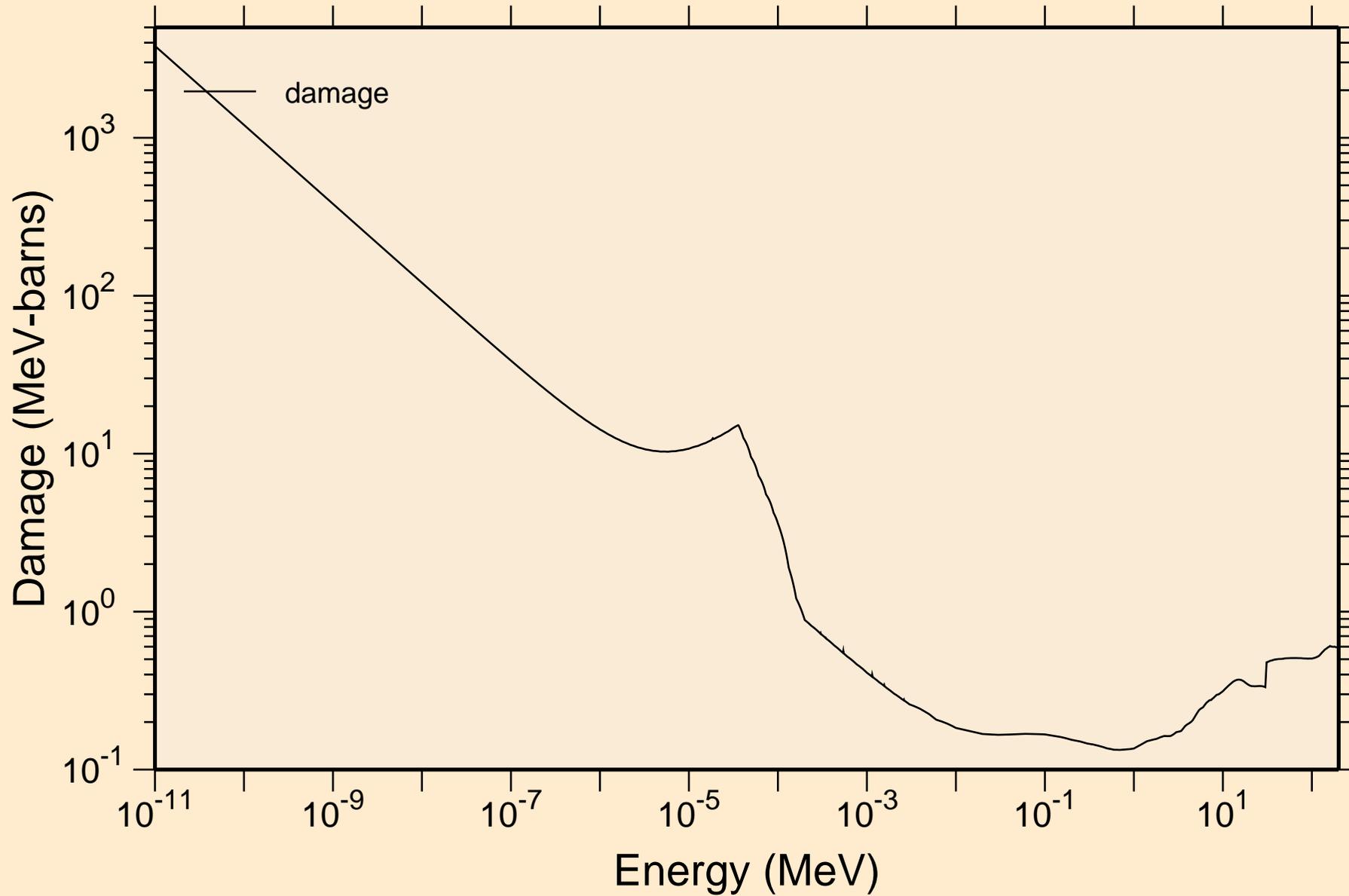
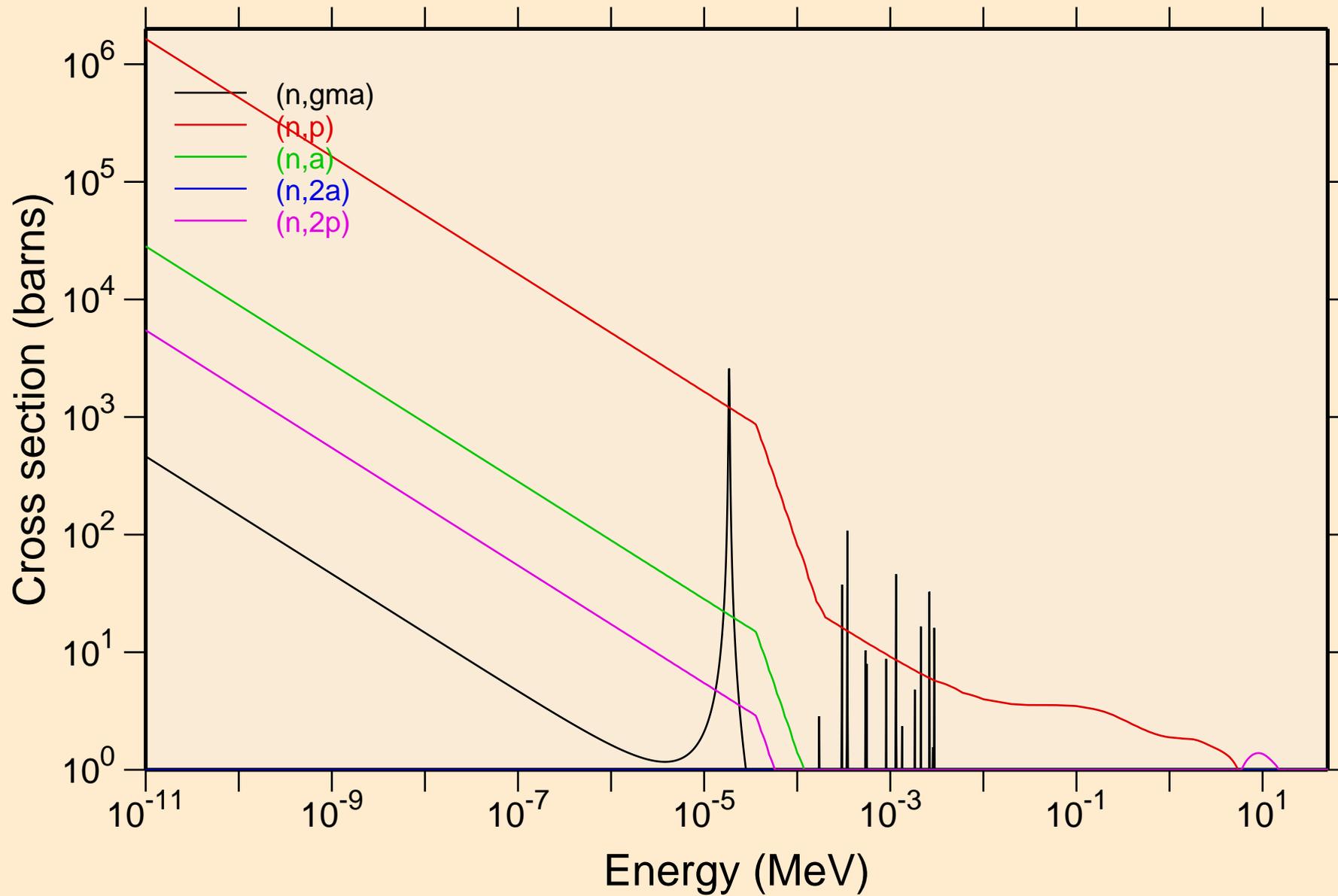SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Heating

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Damage

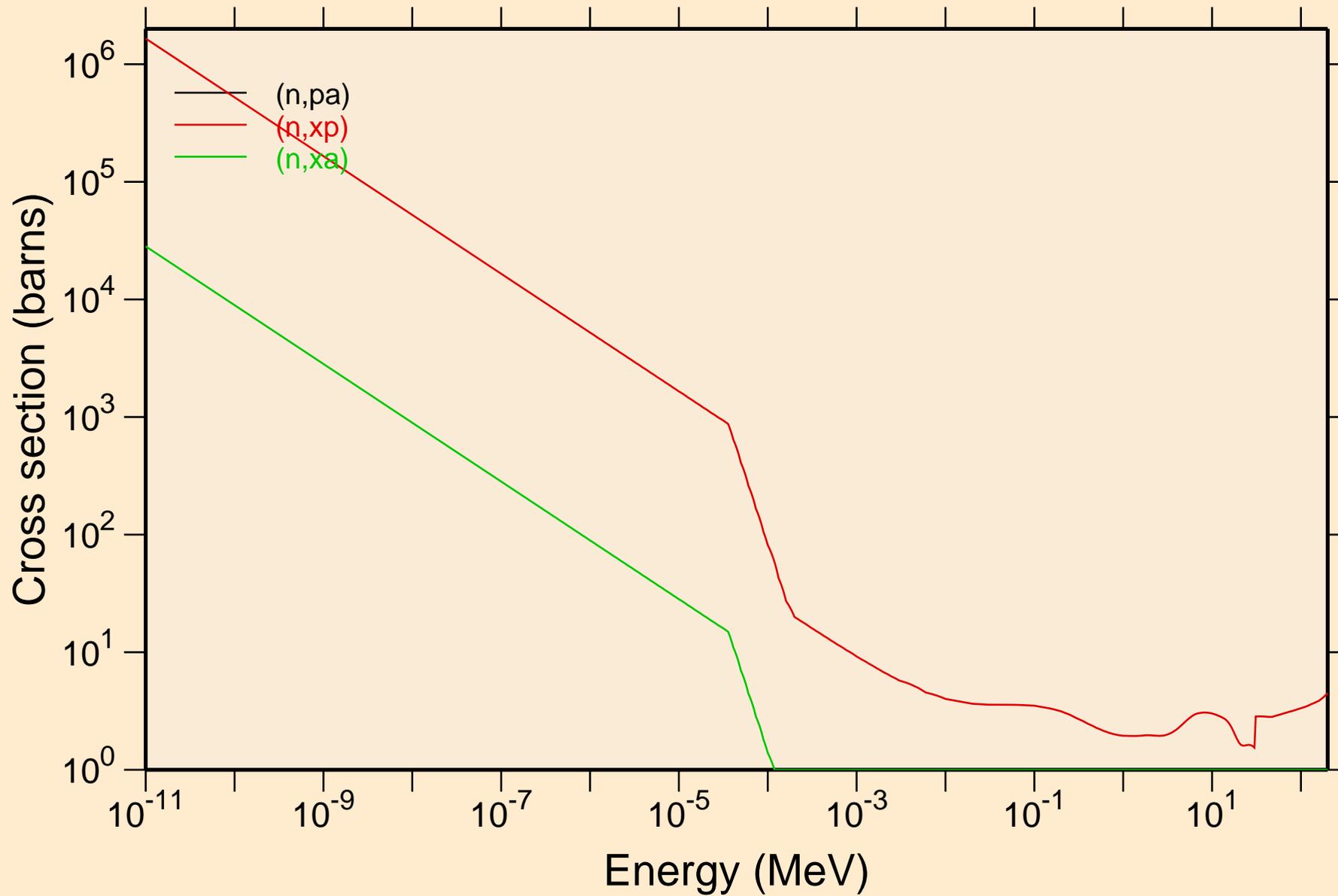damage

Damage (MeV-barns)

Energy (MeV)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Non-threshold reactions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Principal cross sections

- total
- absorption
- elastic
- gamma production

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Heating

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Damage

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
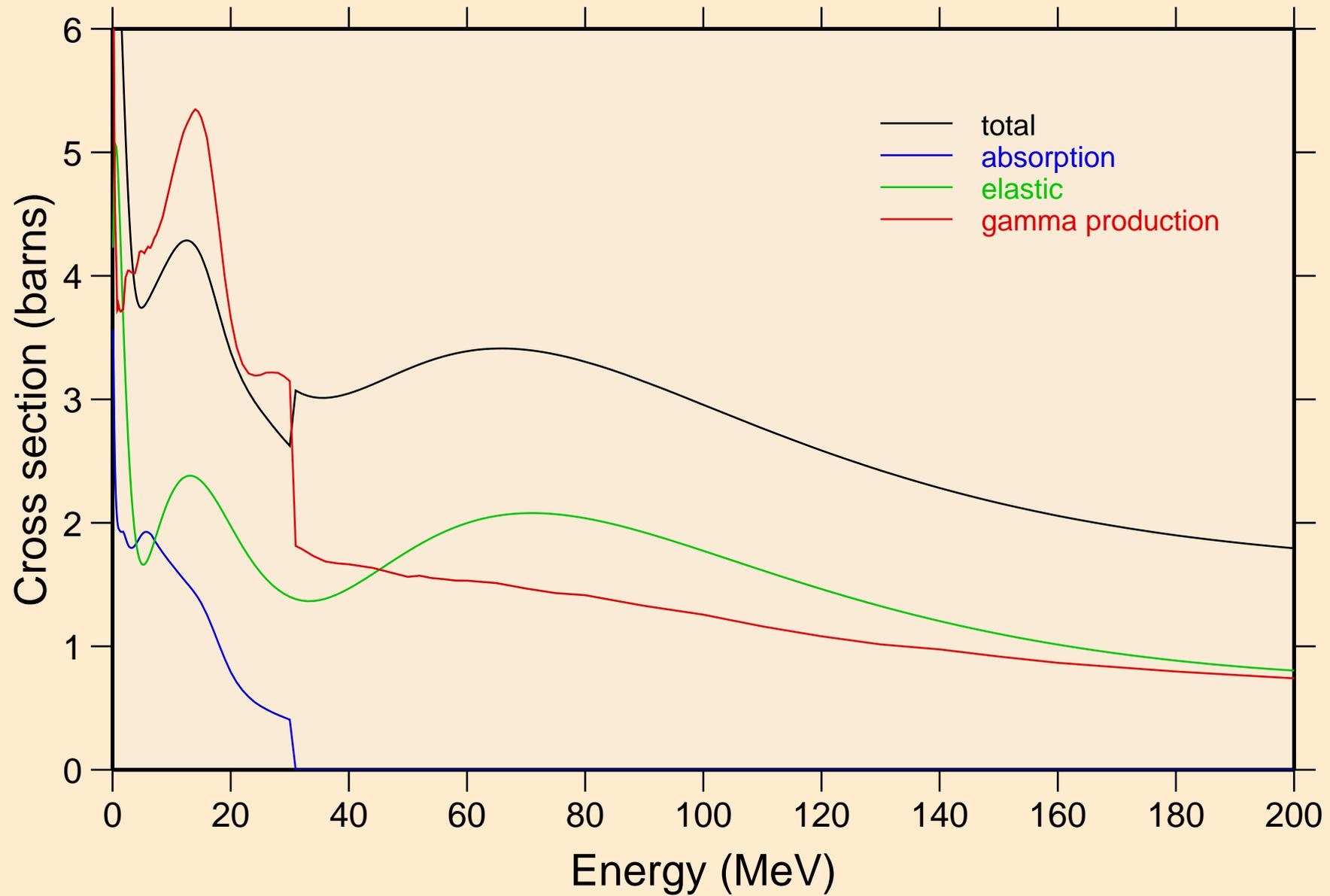Non-threshold reactions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
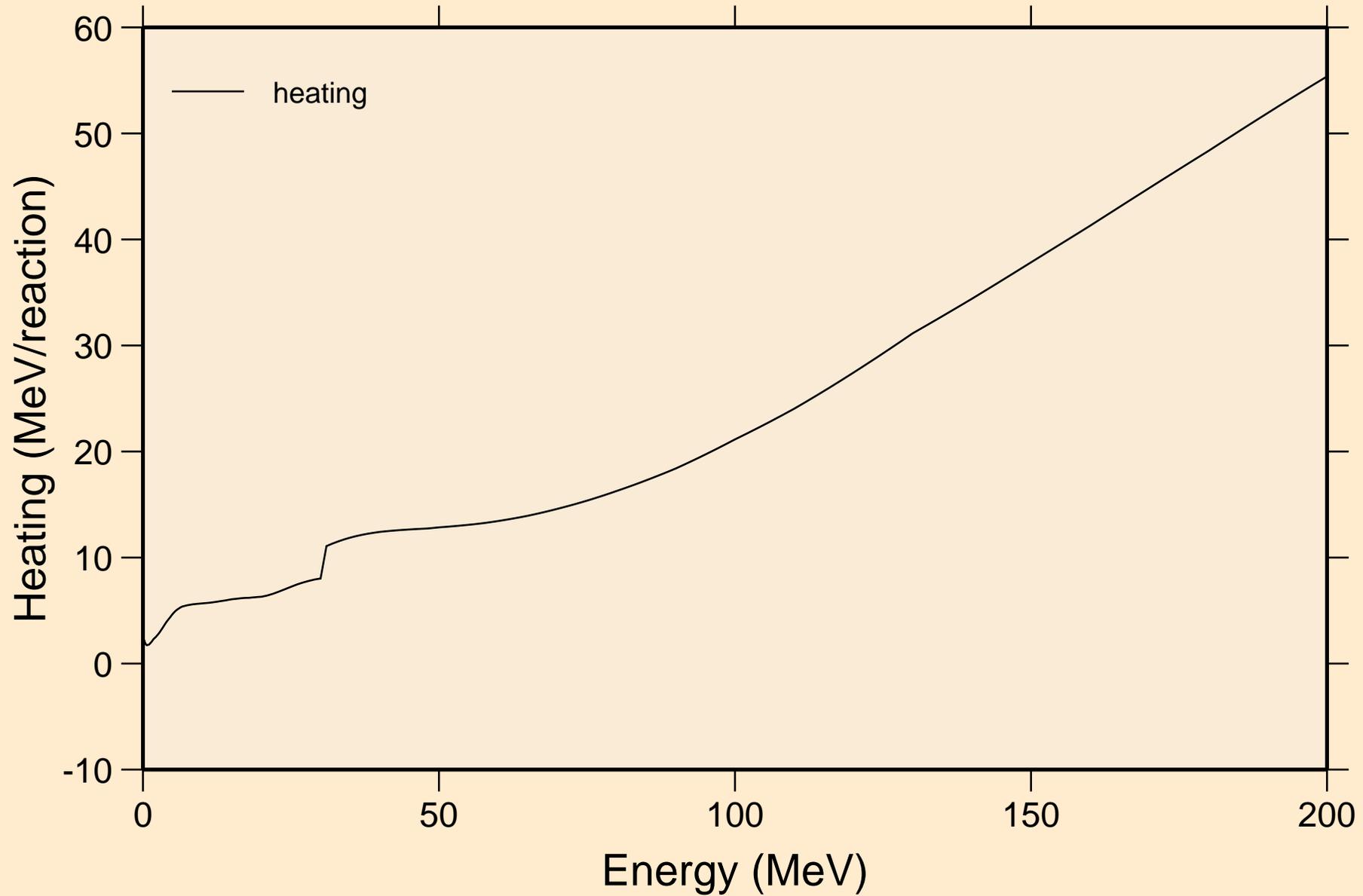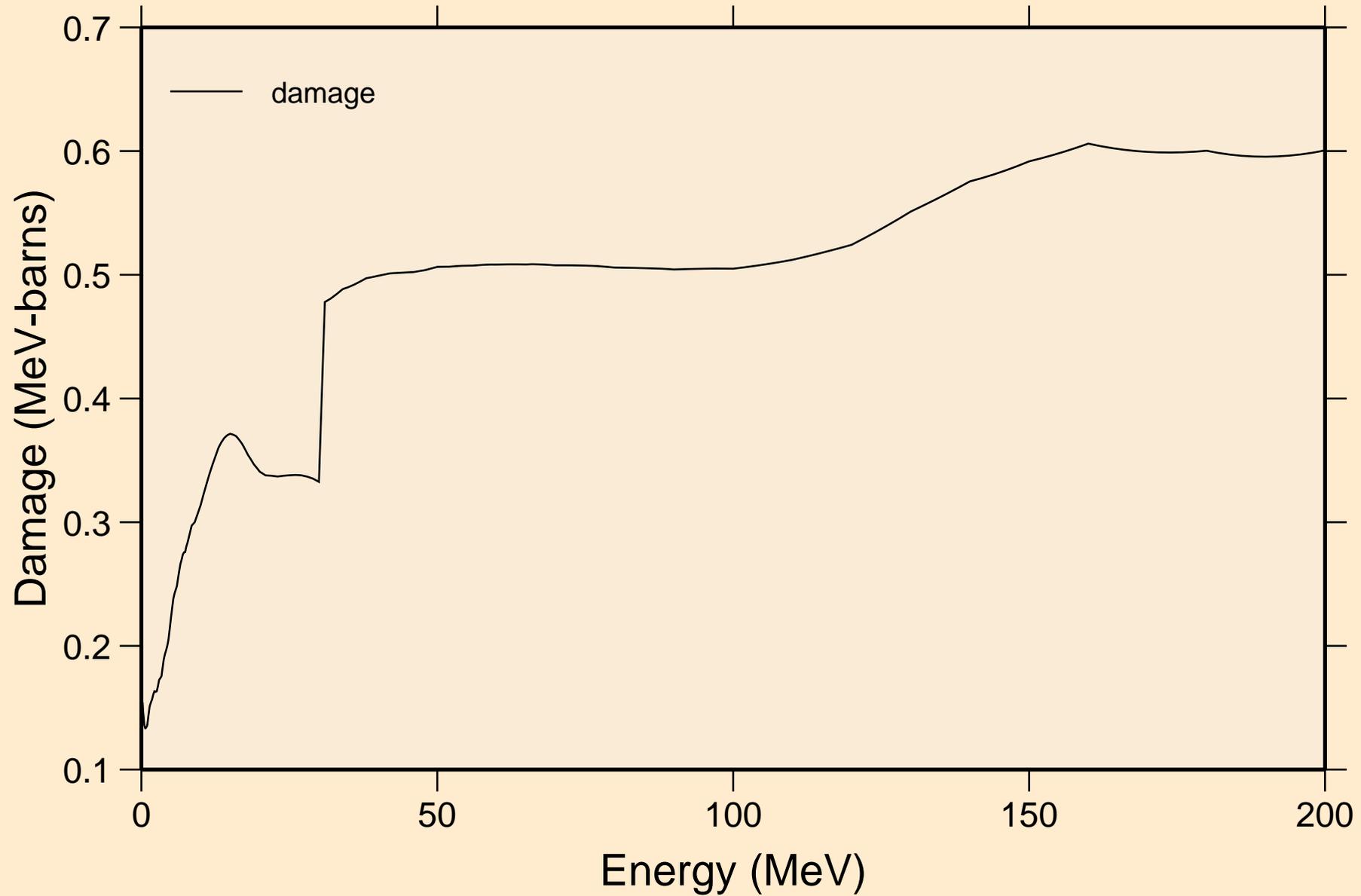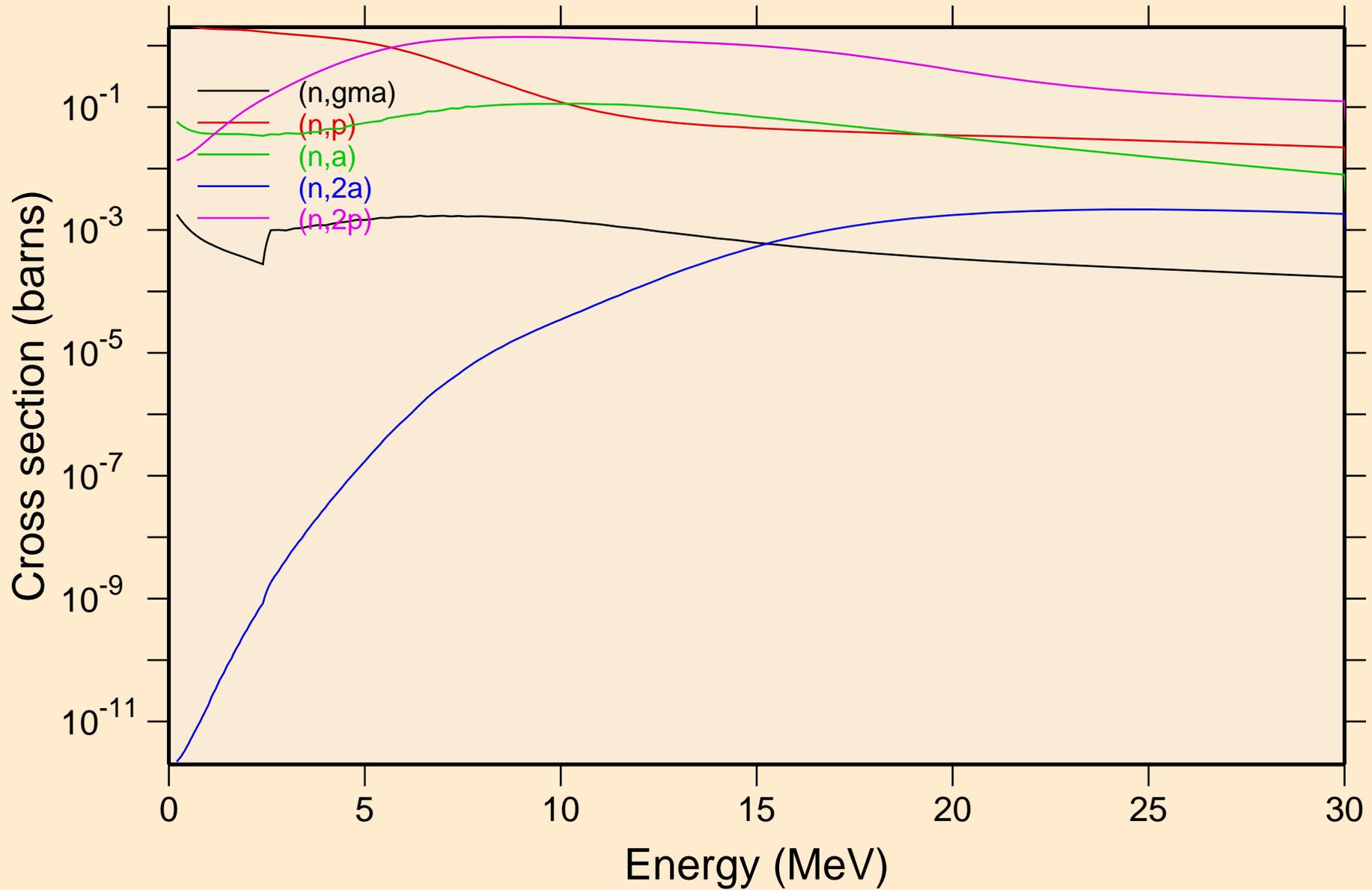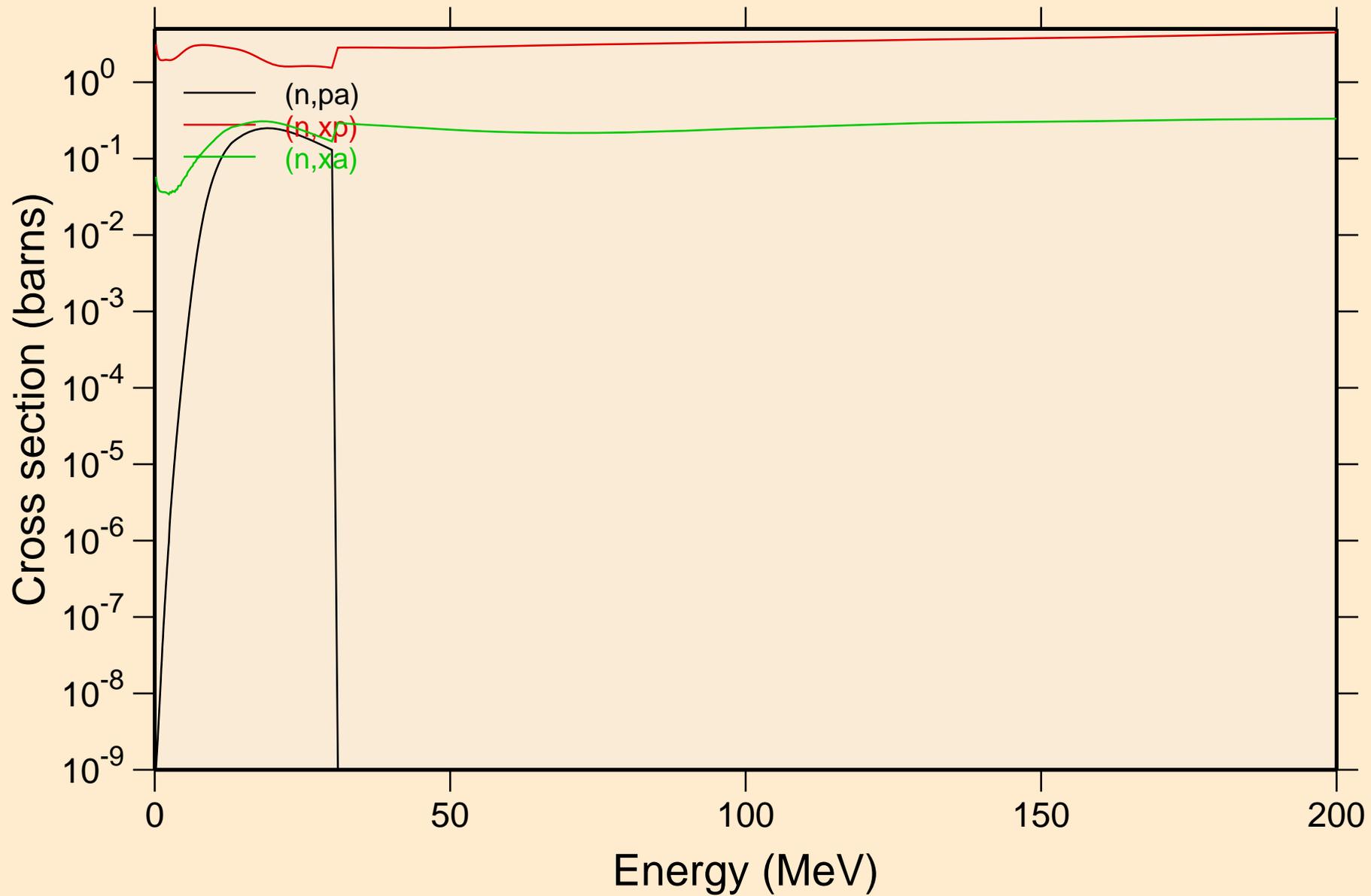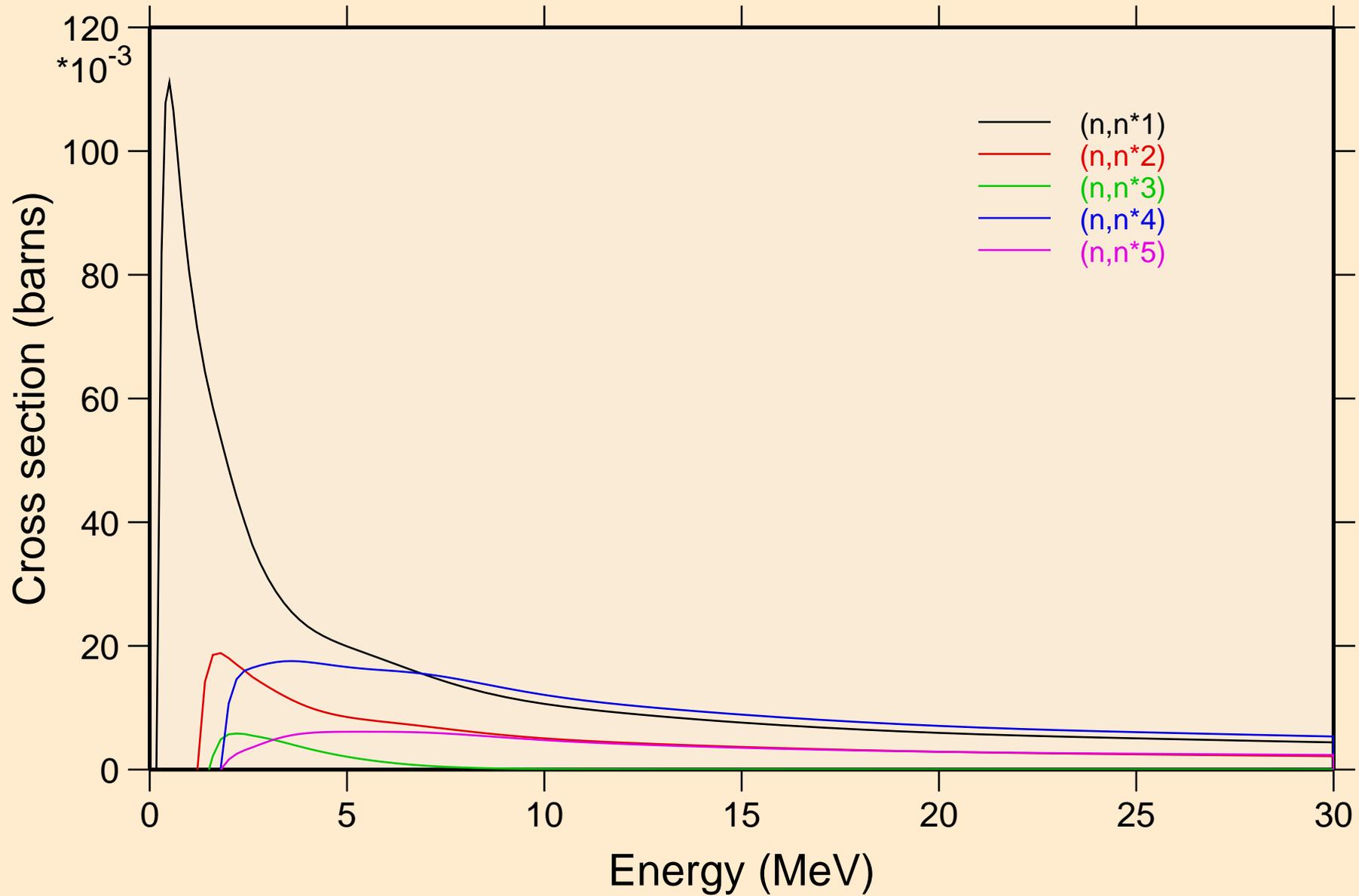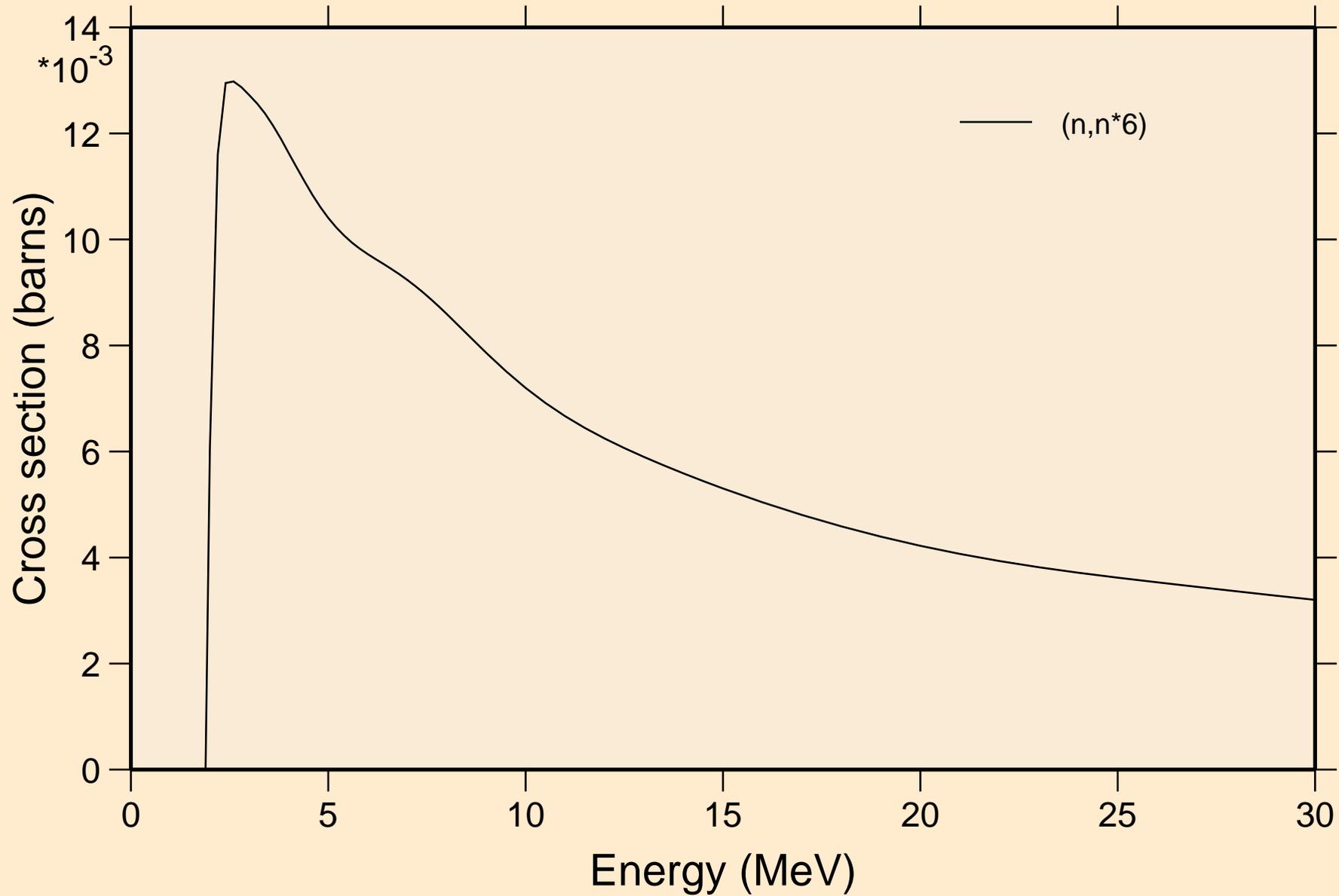Non-threshold reactions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
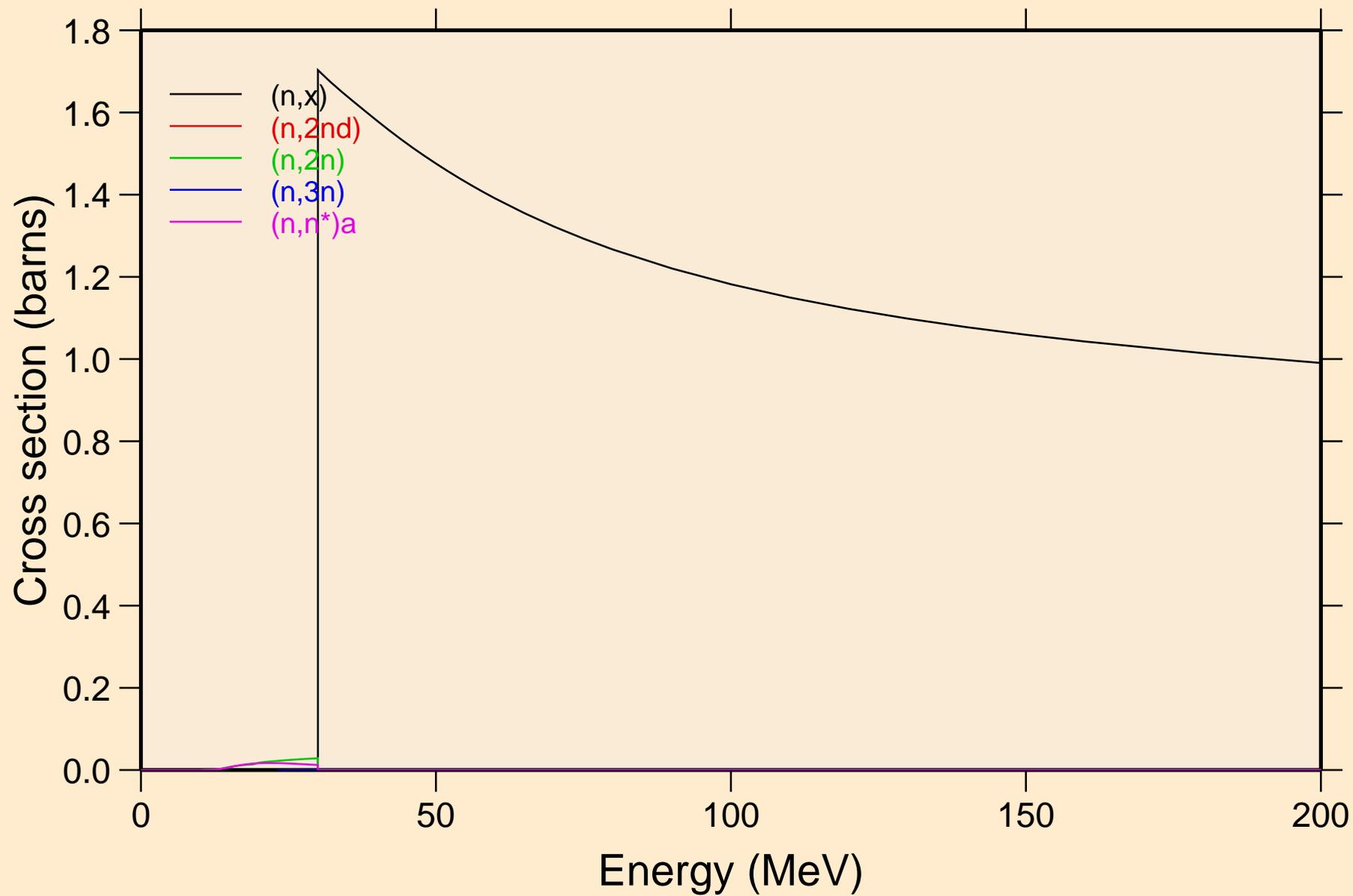Inelastic levels

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
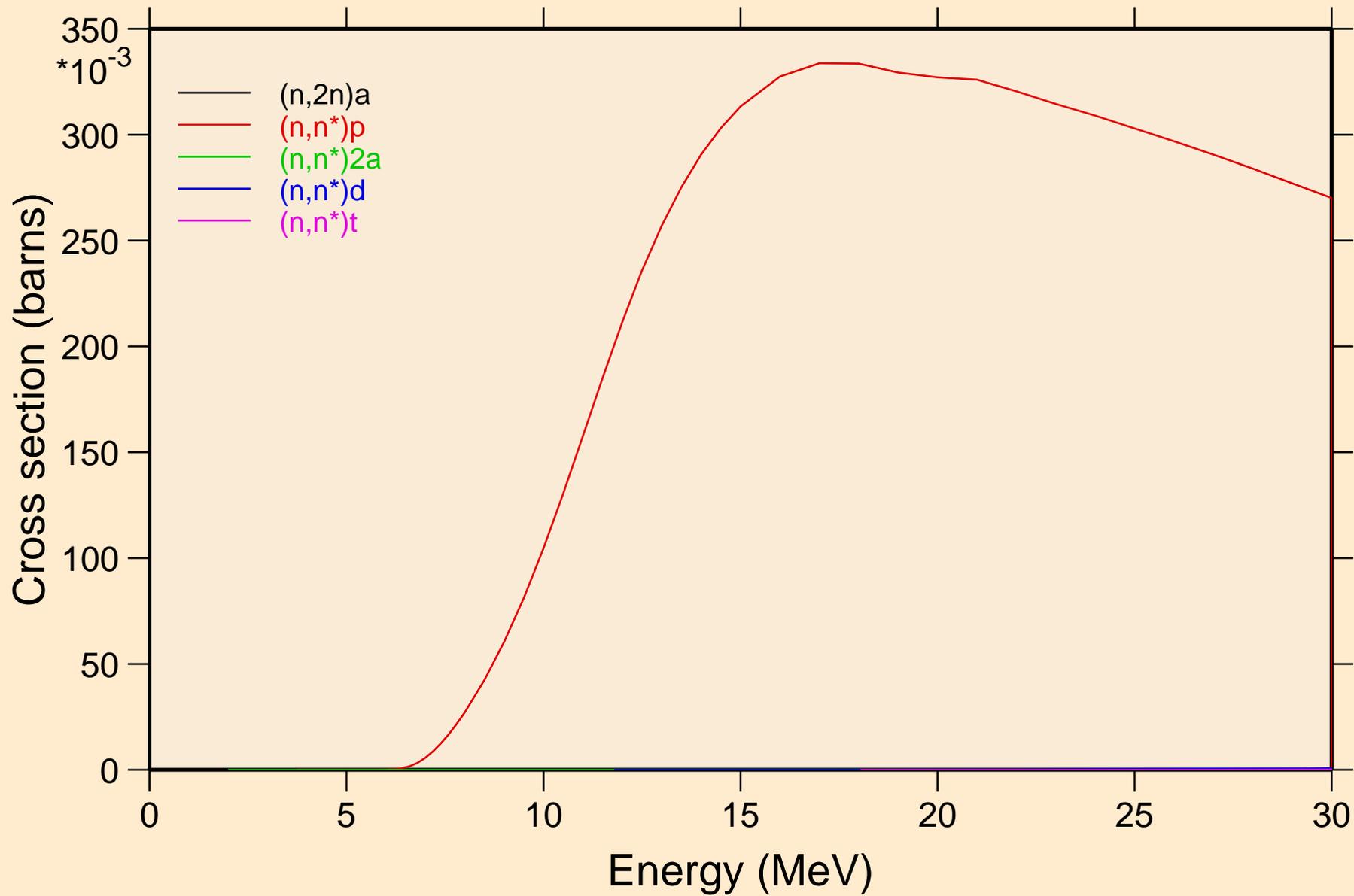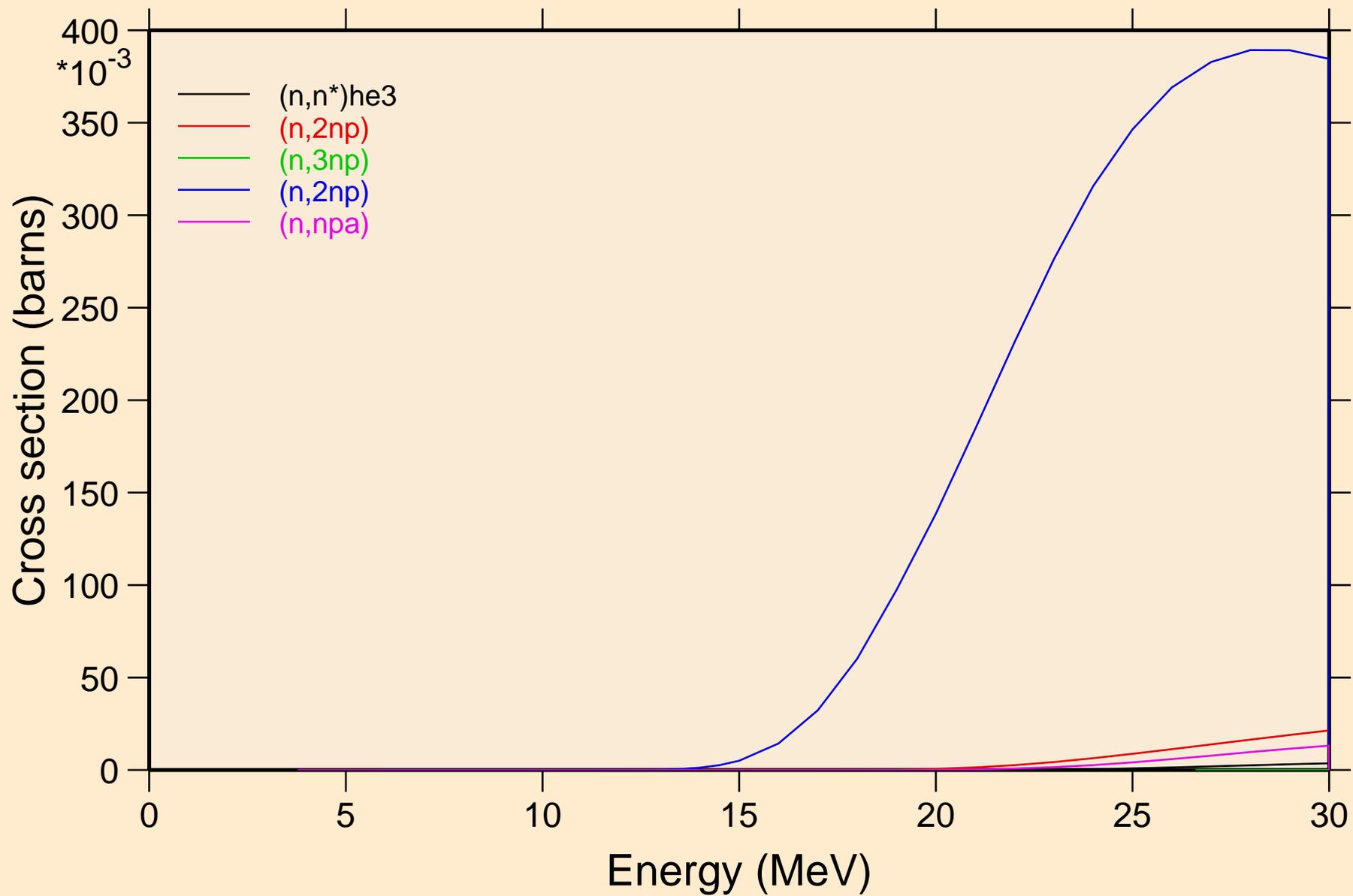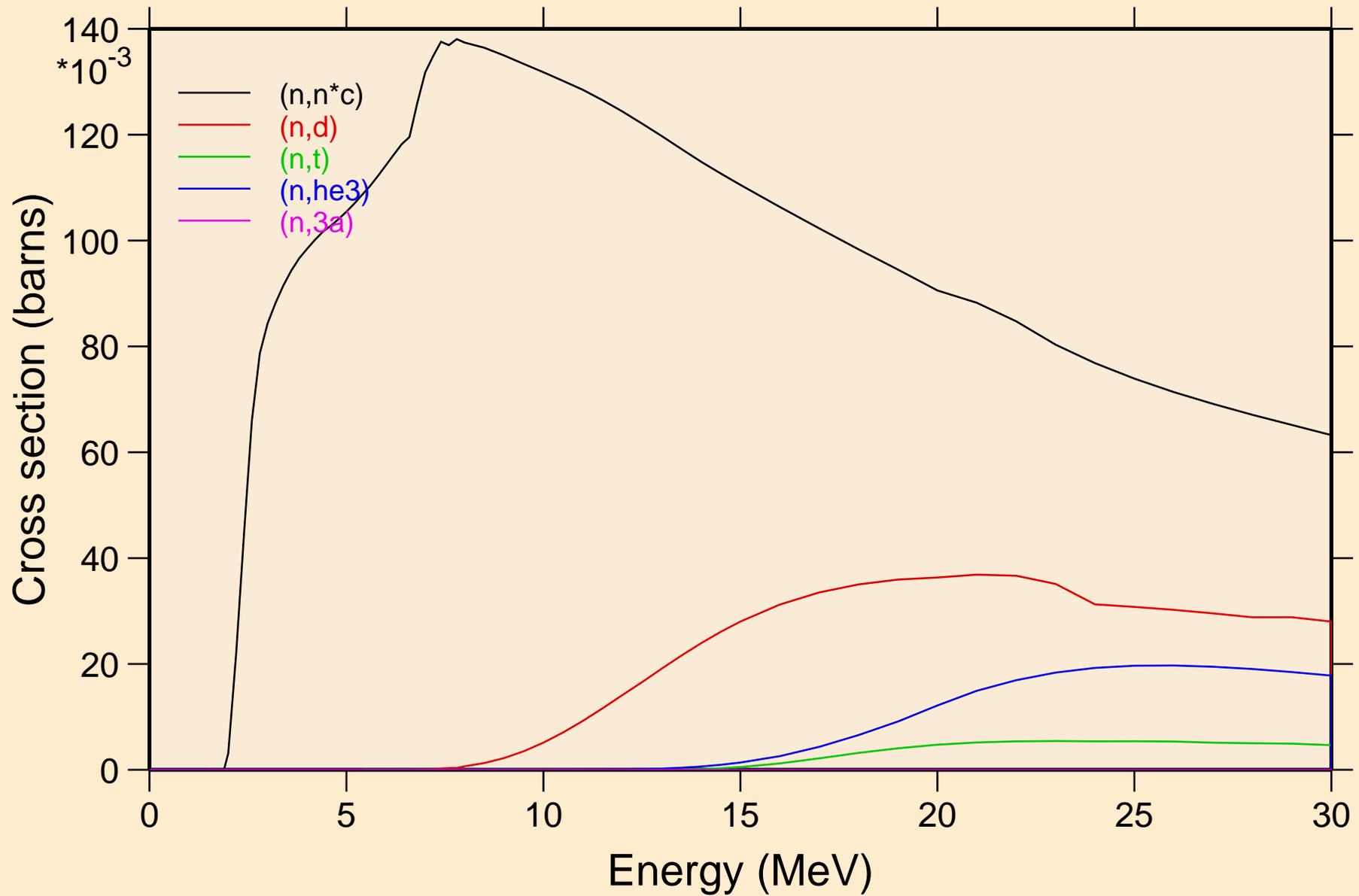Inelastic levels

(n,n*6)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions

Legend:
- (n,n*)he3
- (n,2np)
- (n,3np)
- (n,2np)
- (n,npa)

Cross section (barns) vs Energy (MeV)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions

Legend:
- (n,n*c) — black
- (n,d) — red
- (n,t) — green
- (n,he3) — blue
- (n,3a) — magenta

Y-axis: Cross section (barns), ×10⁻³, scale 0 to 140
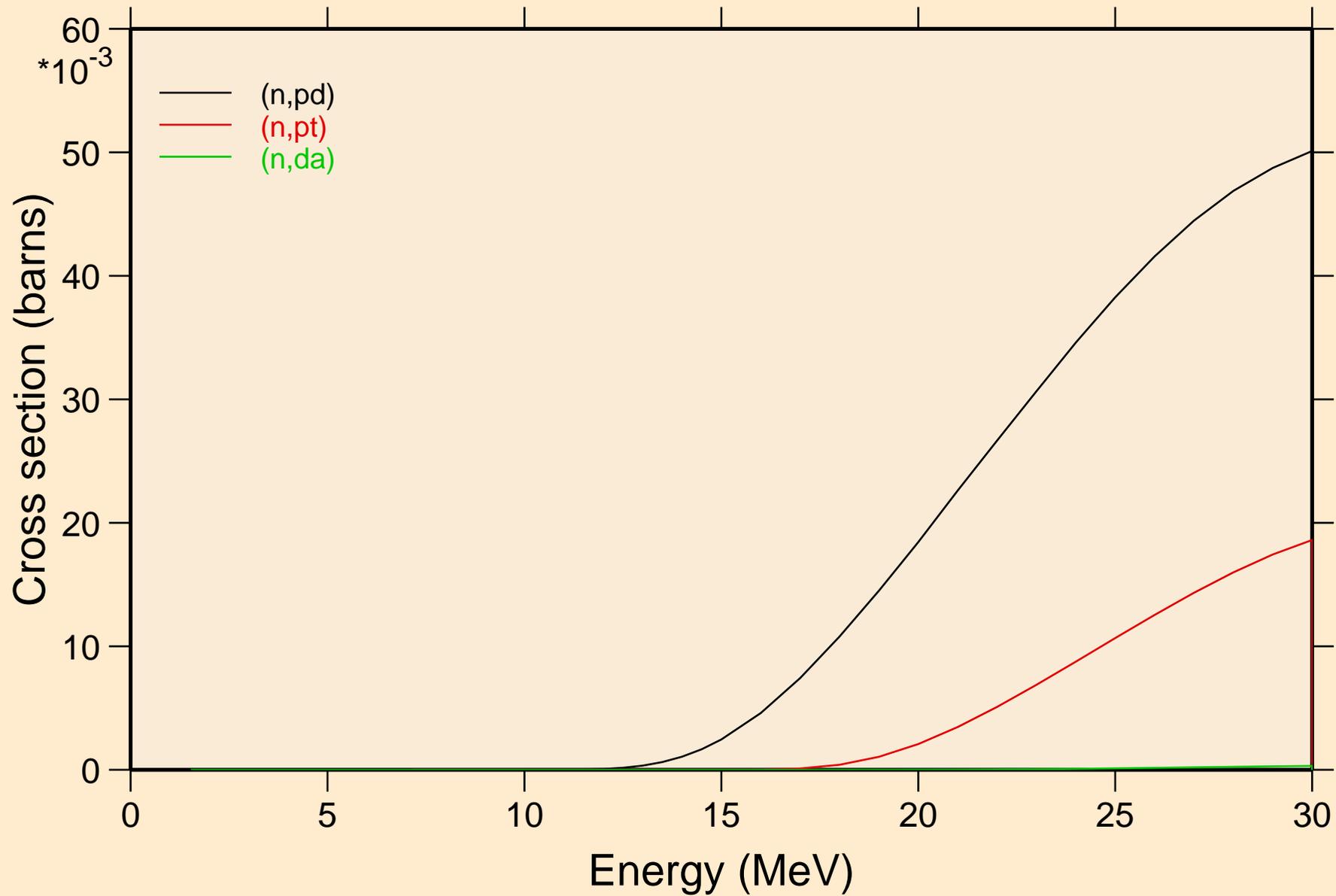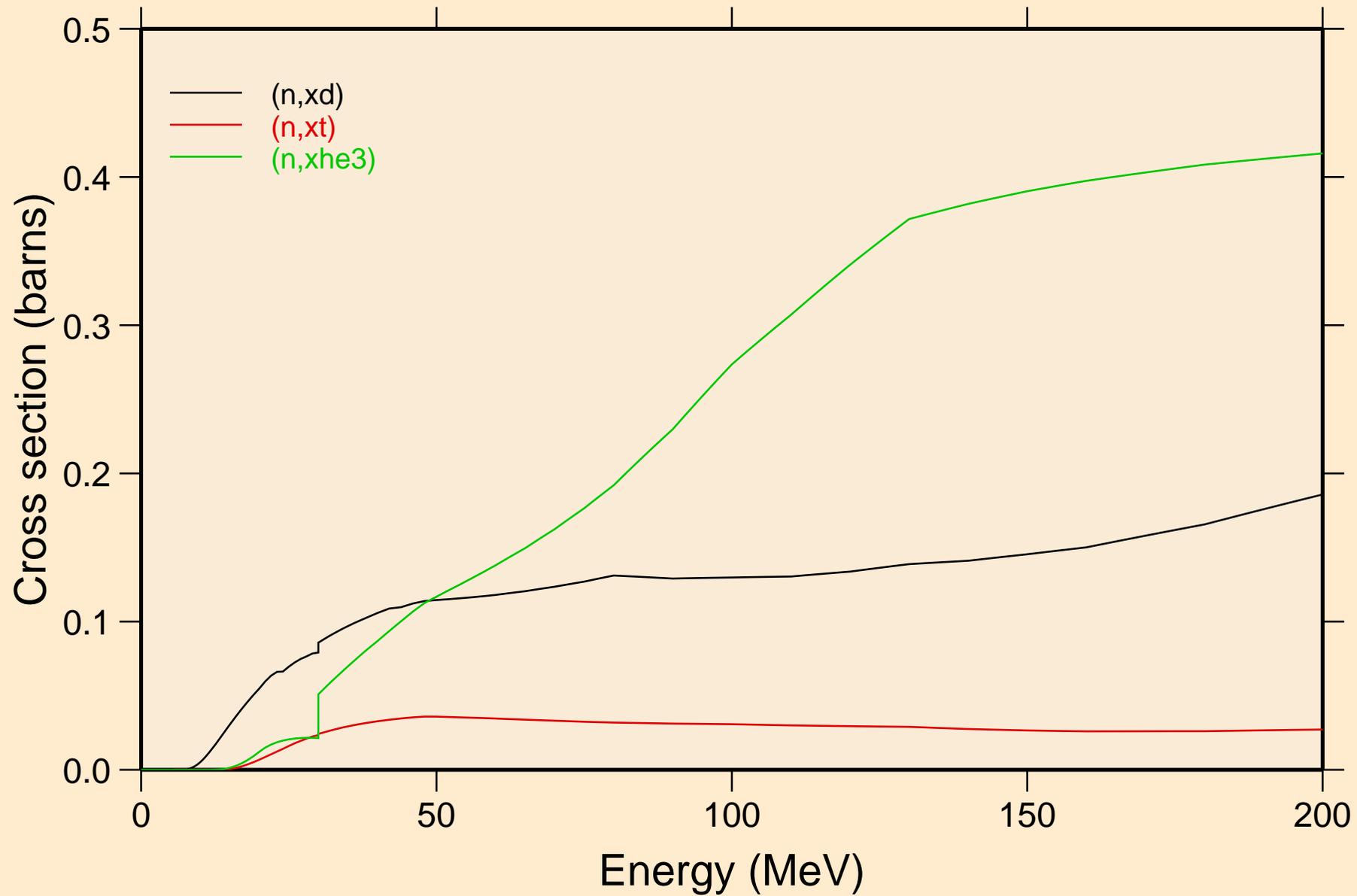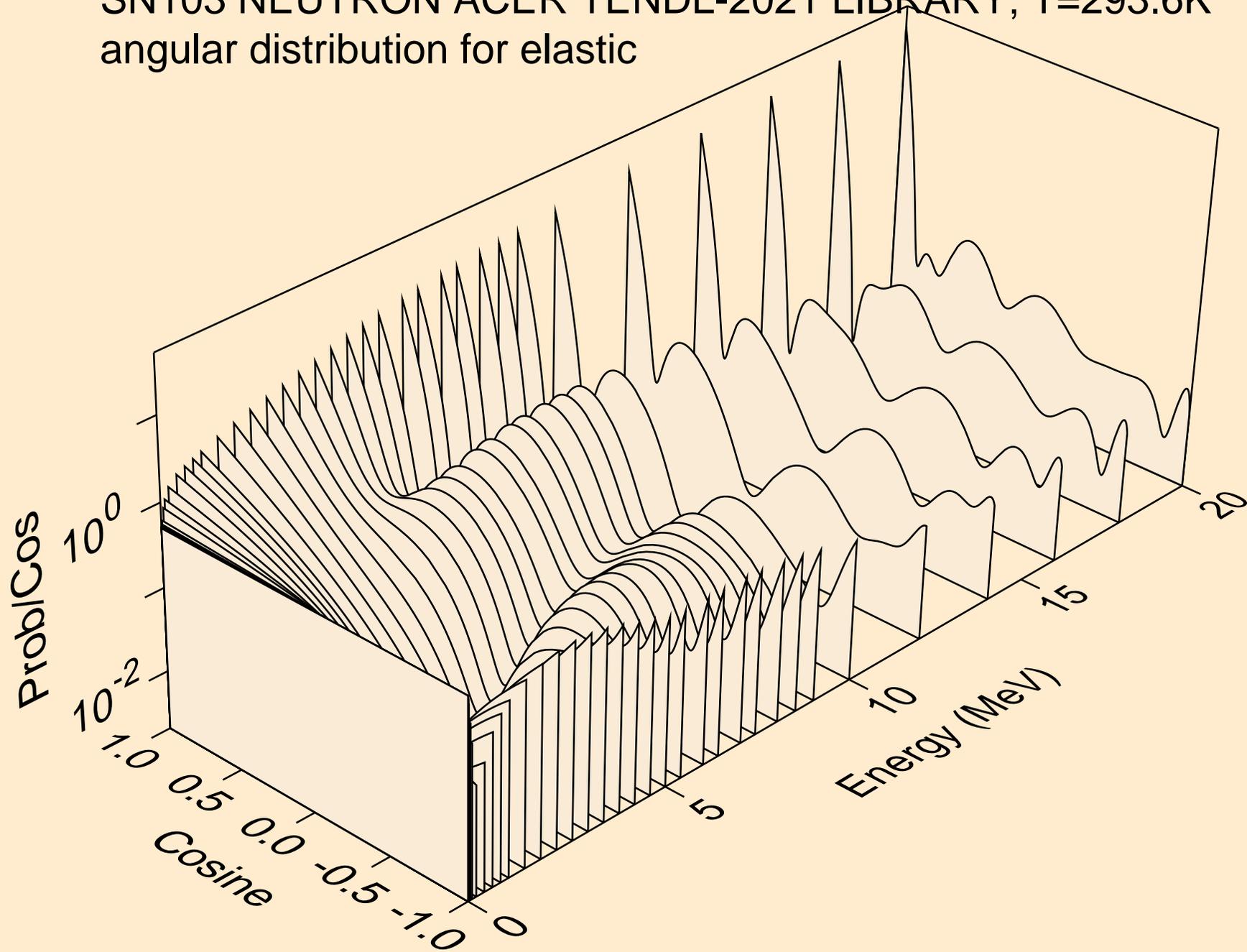X-axis: Energy (MeV), scale 0 to 30

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Threshold reactions

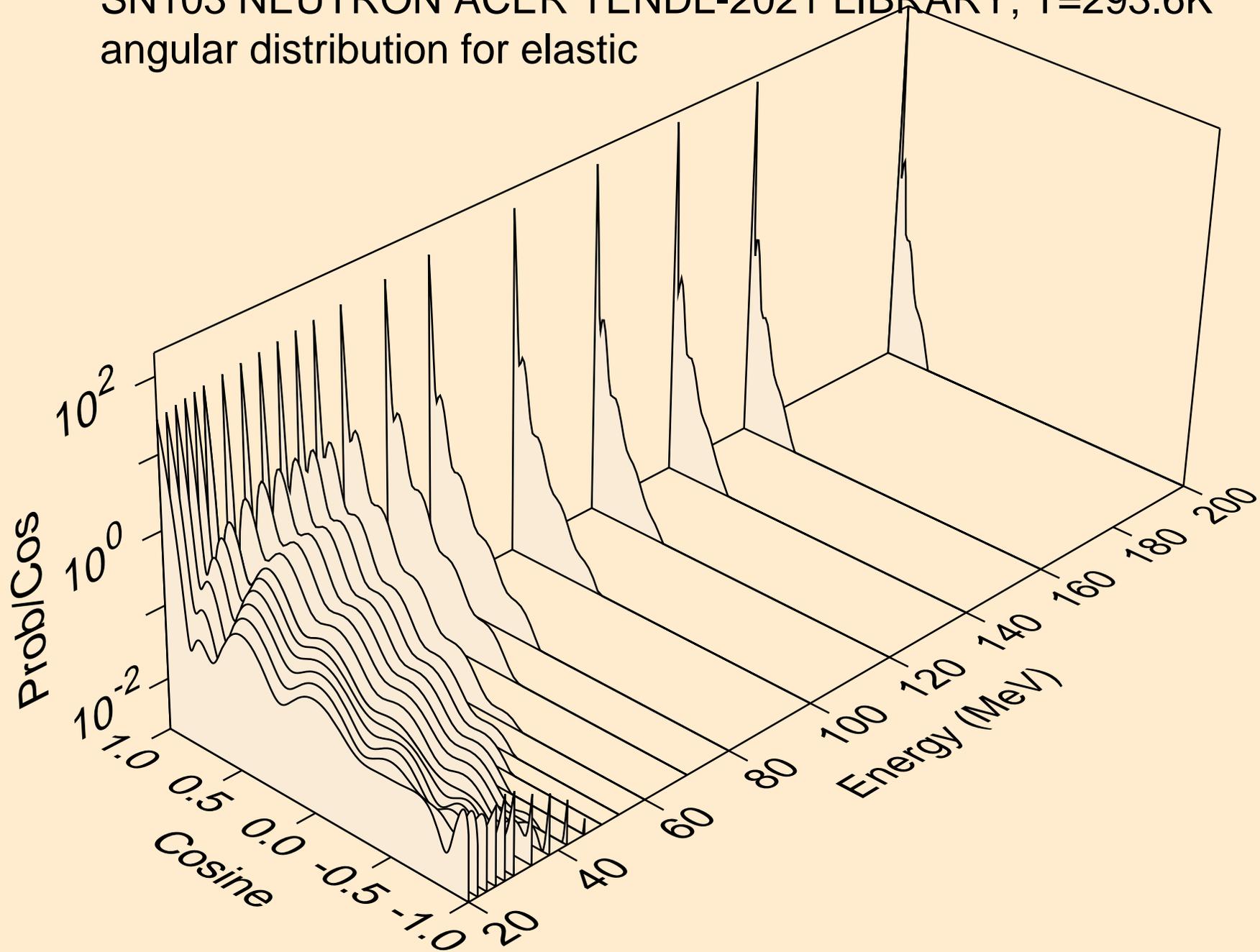SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
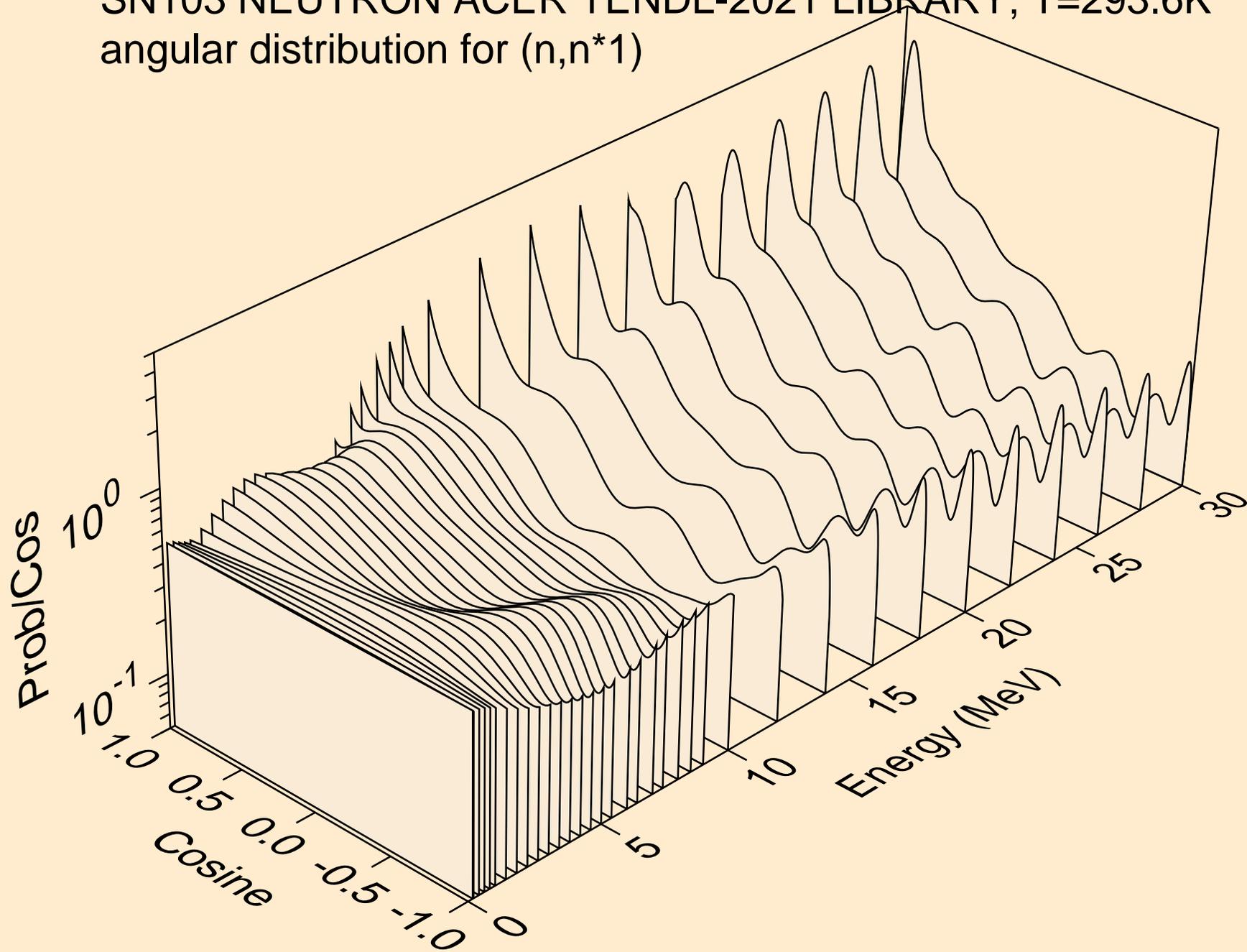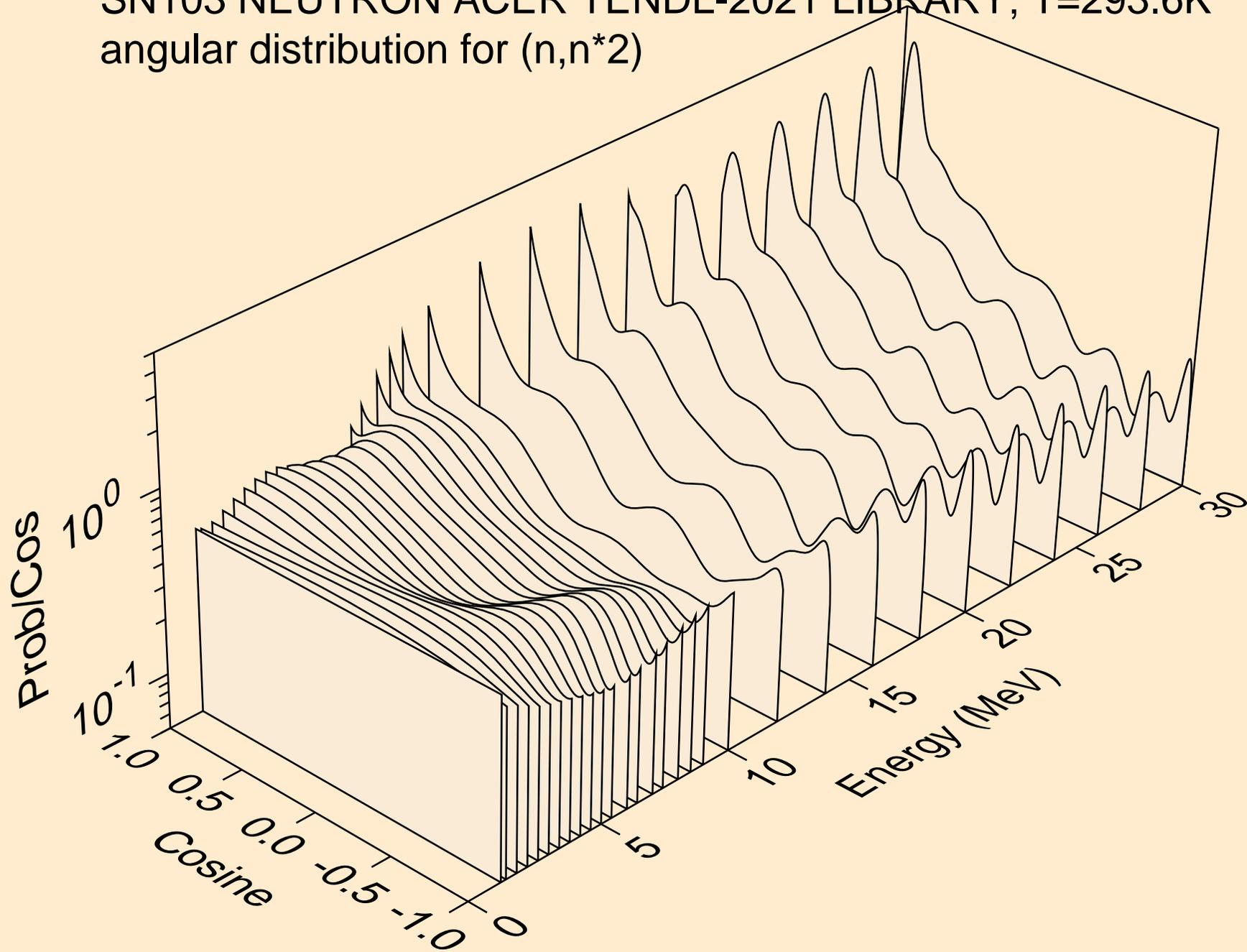Threshold reactions

- (n,xd)
- (n,xt)
- (n,xhe3)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
angular distribution for elastic

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
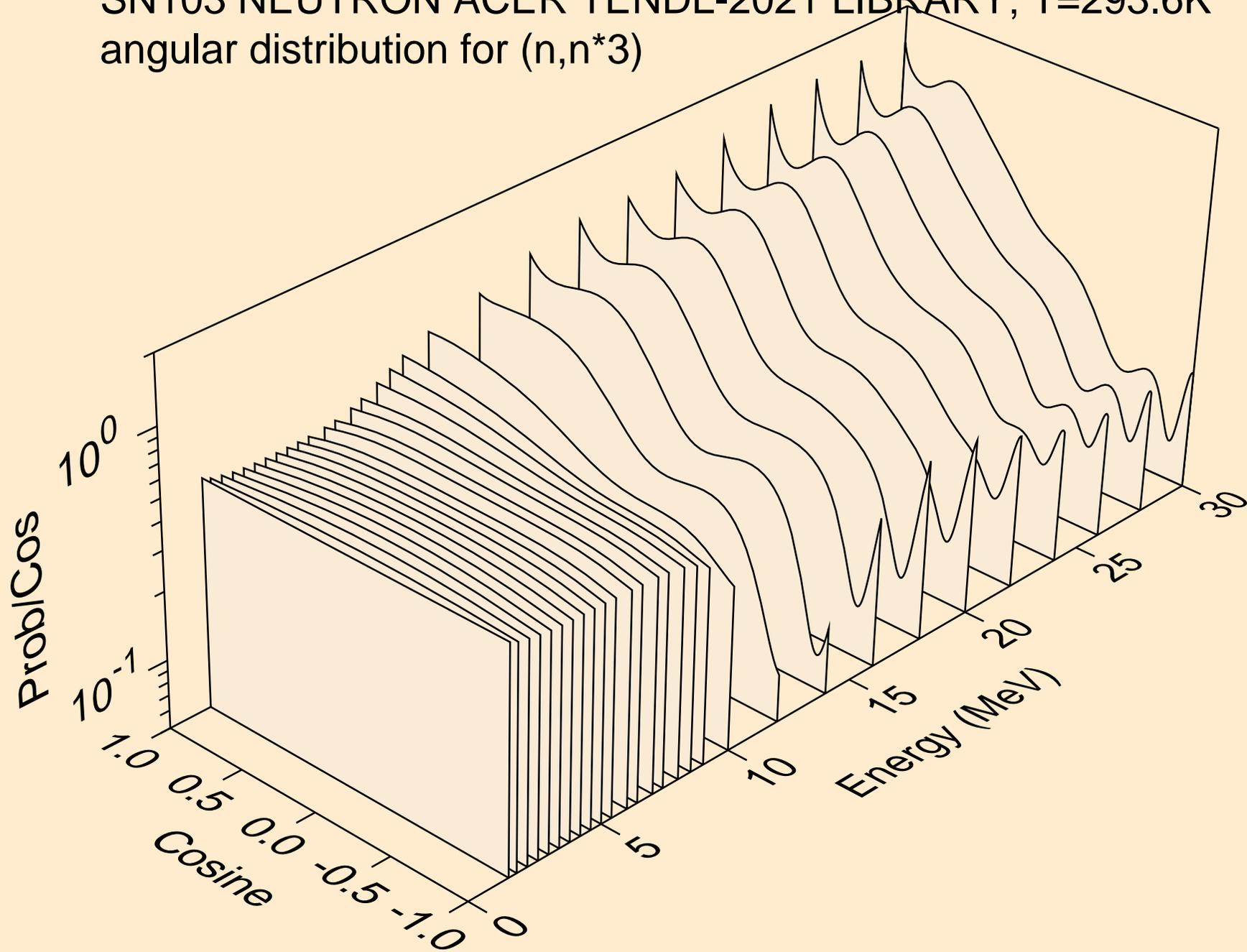angular distribution for elastic

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
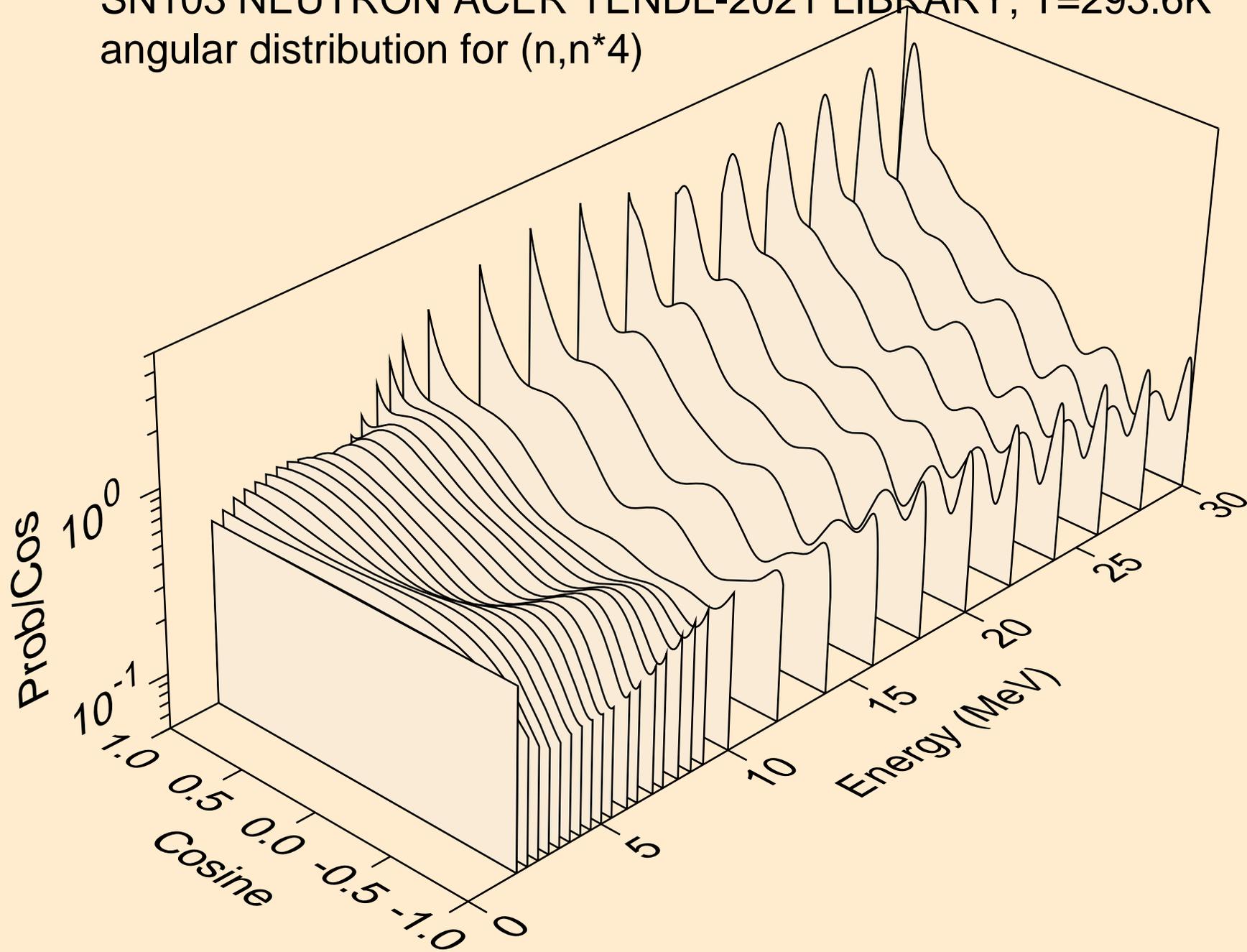angular distribution for (n,n*1)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
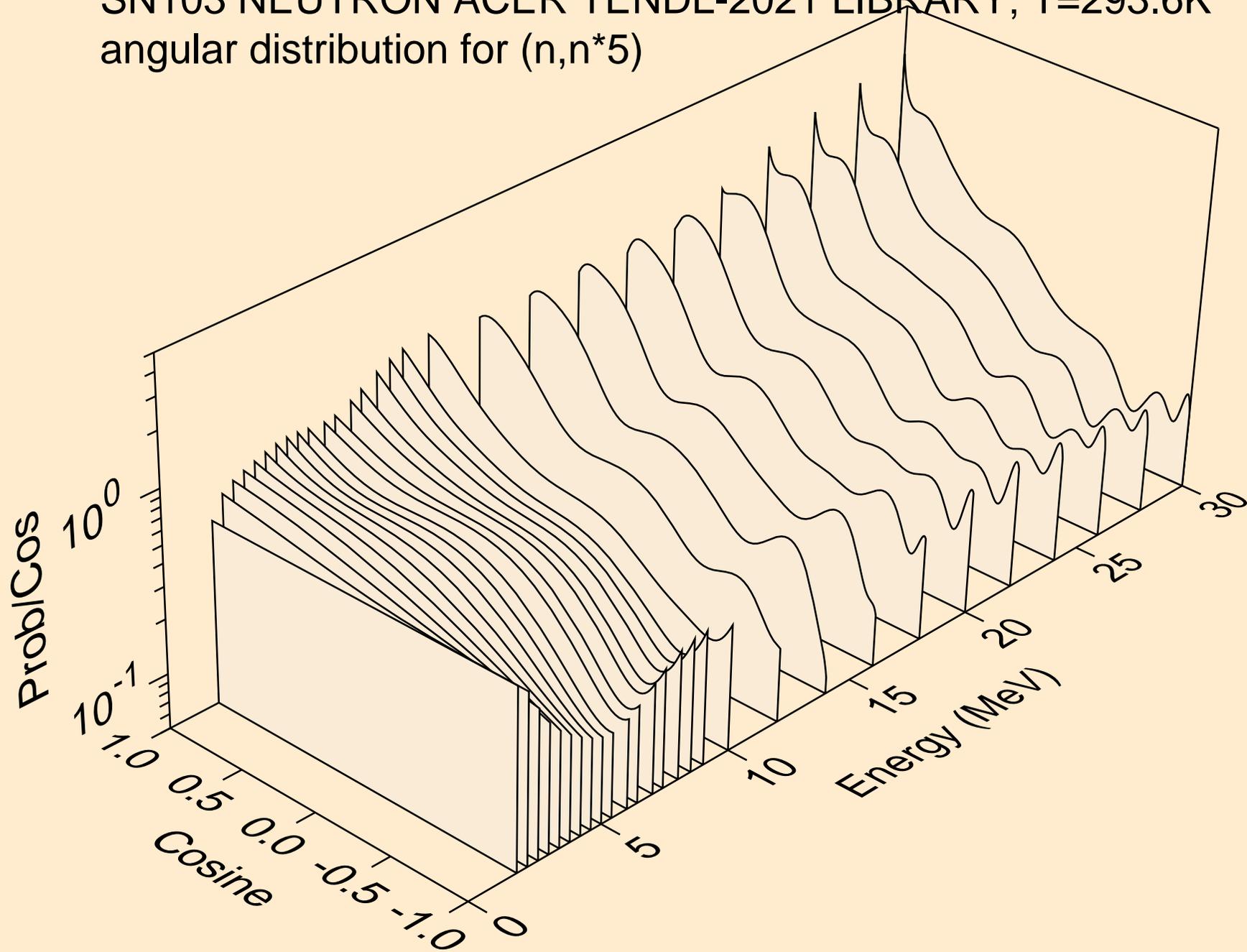angular distribution for (n,n*2)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
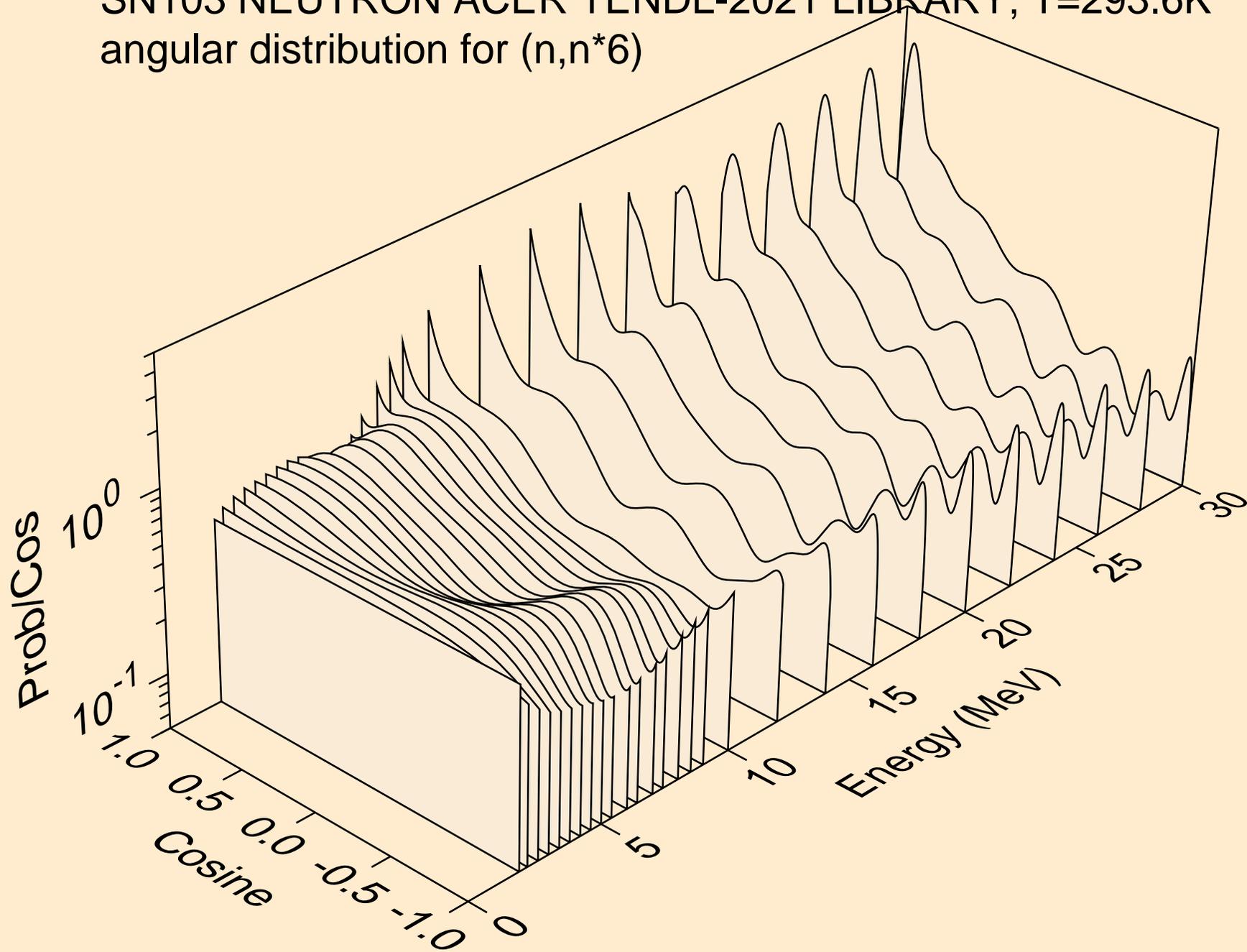angular distribution for (n,n*3)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
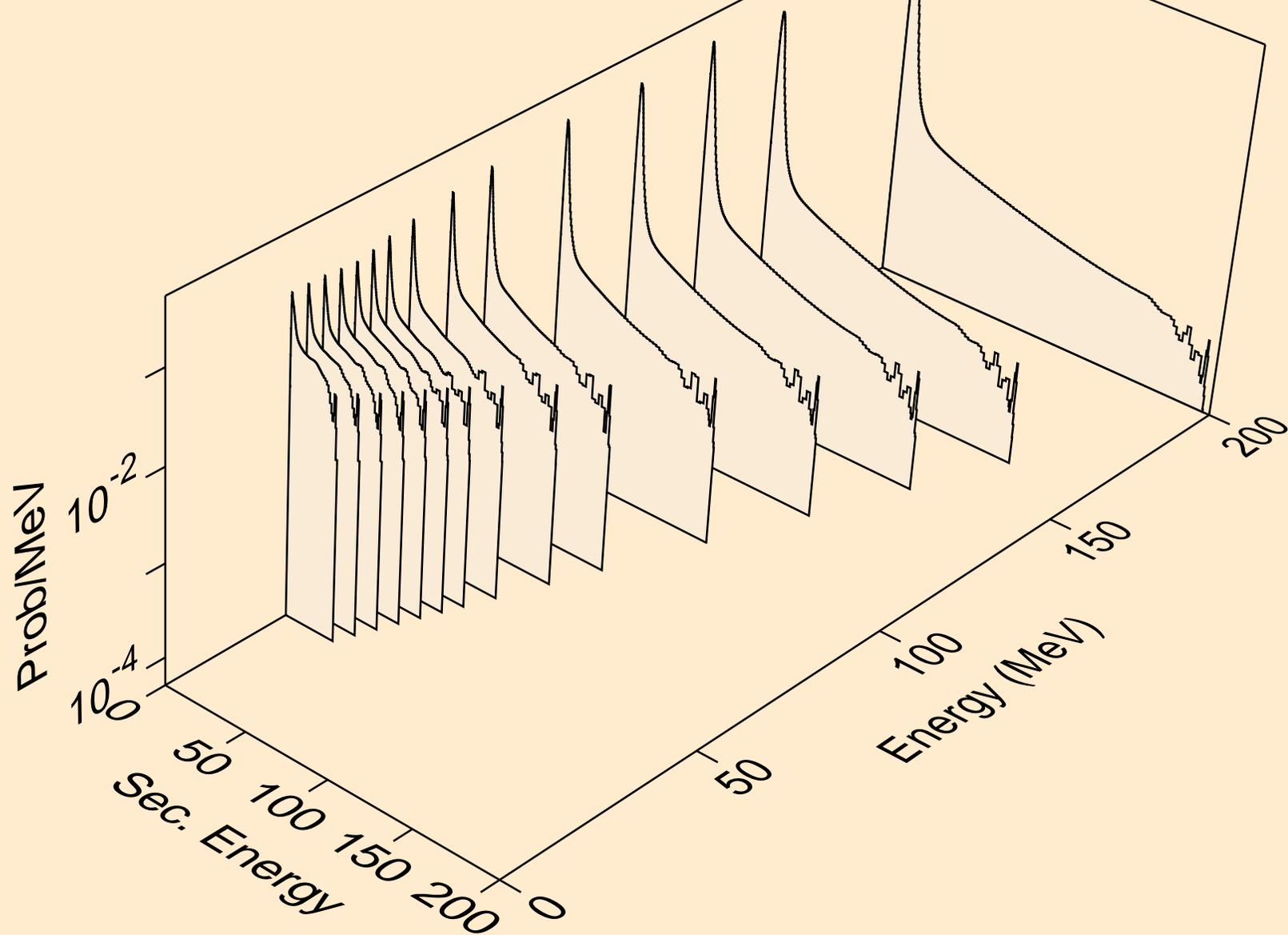angular distribution for (n,n*4)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
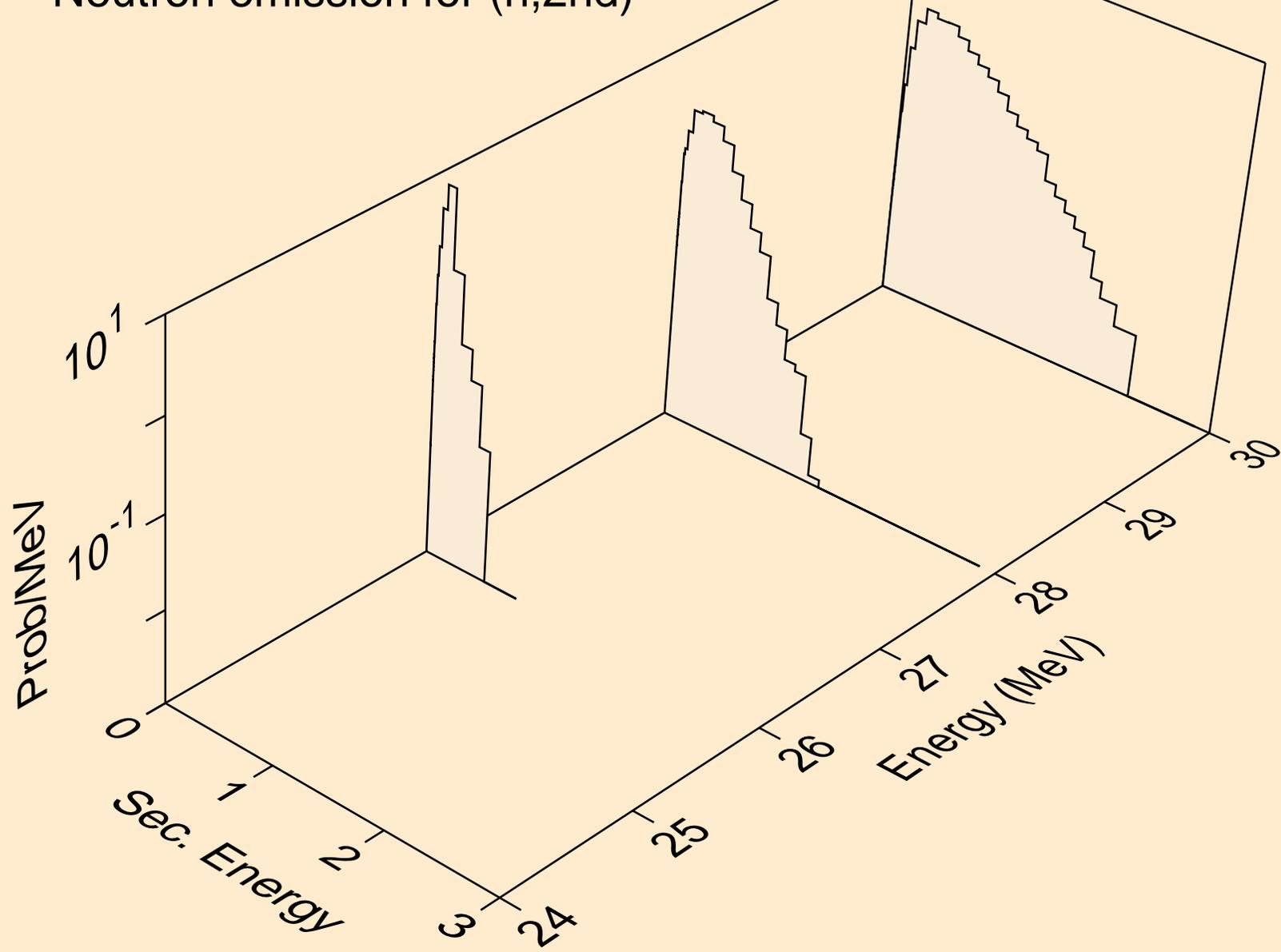angular distribution for (n,n*5)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
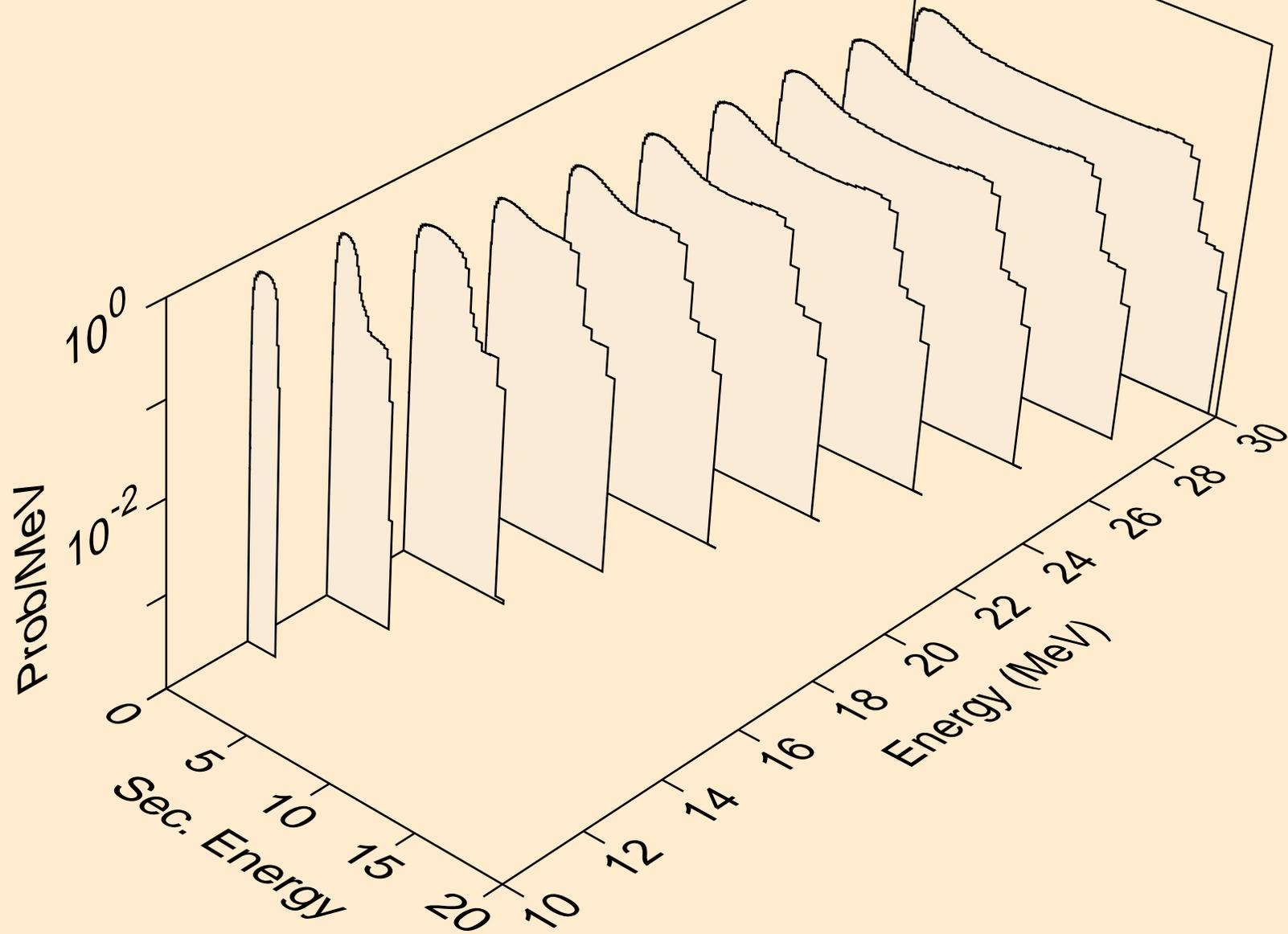angular distribution for (n,n*6)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
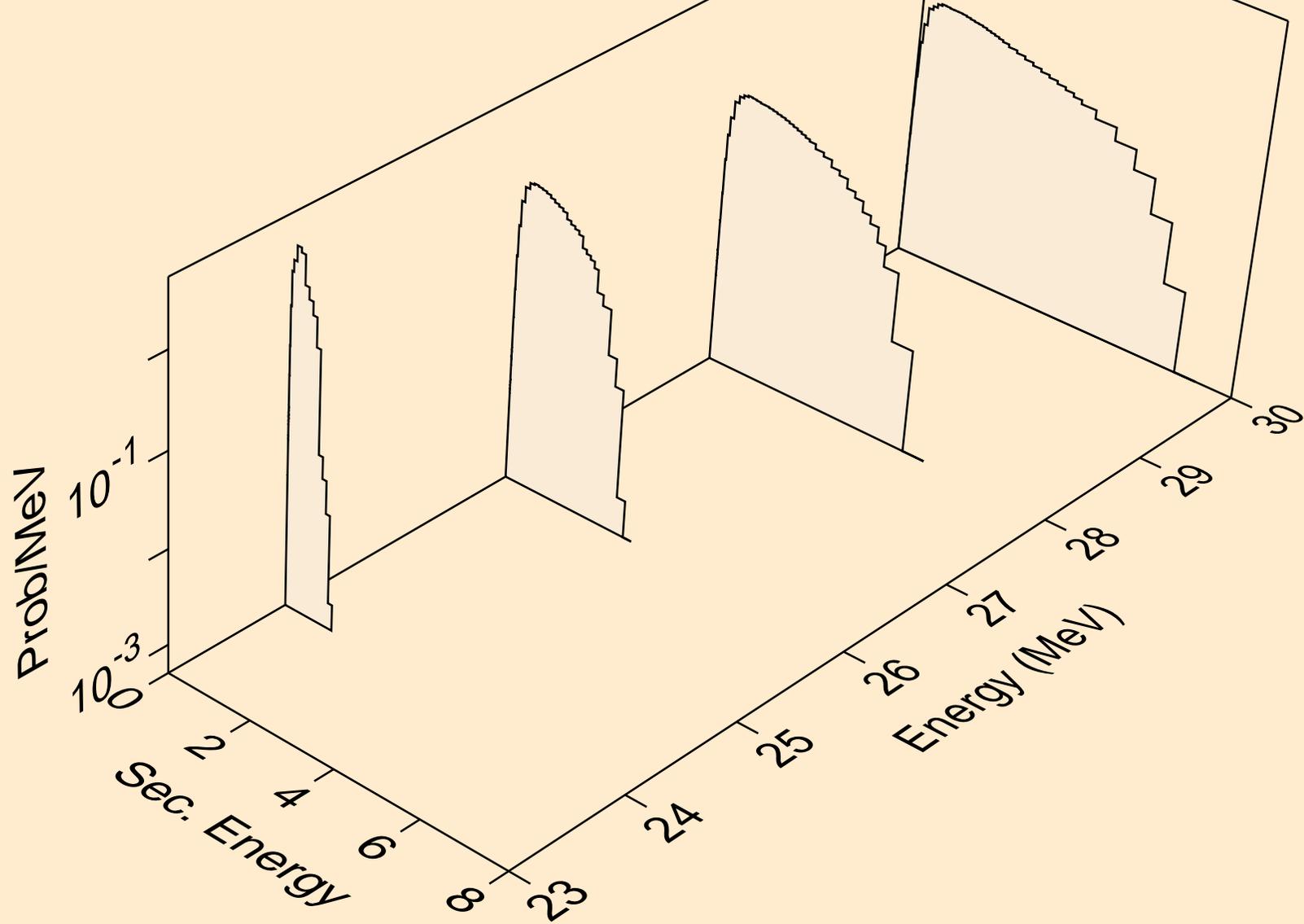Neutron emission for (n,x)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
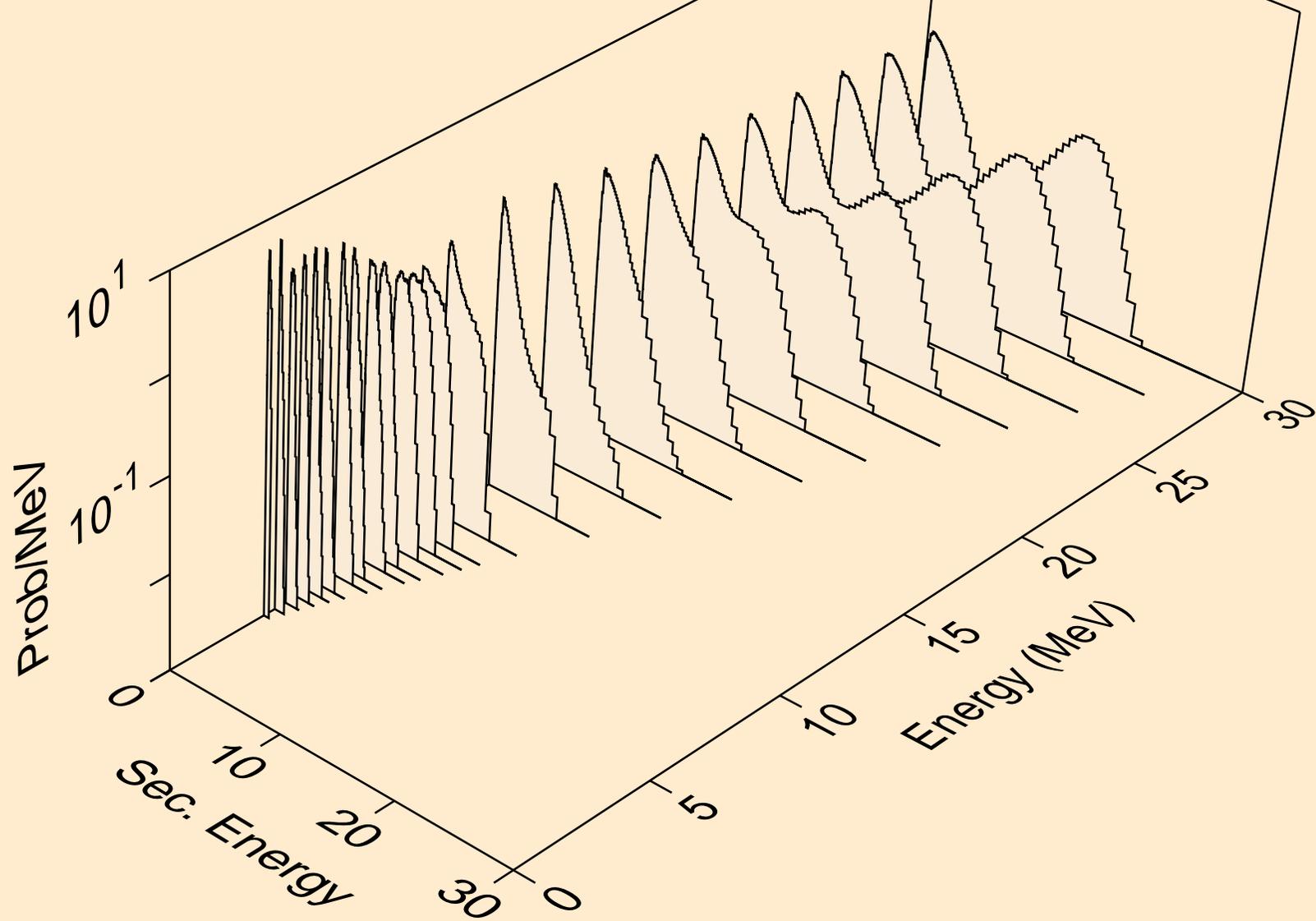Neutron emission for (n,2nd)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
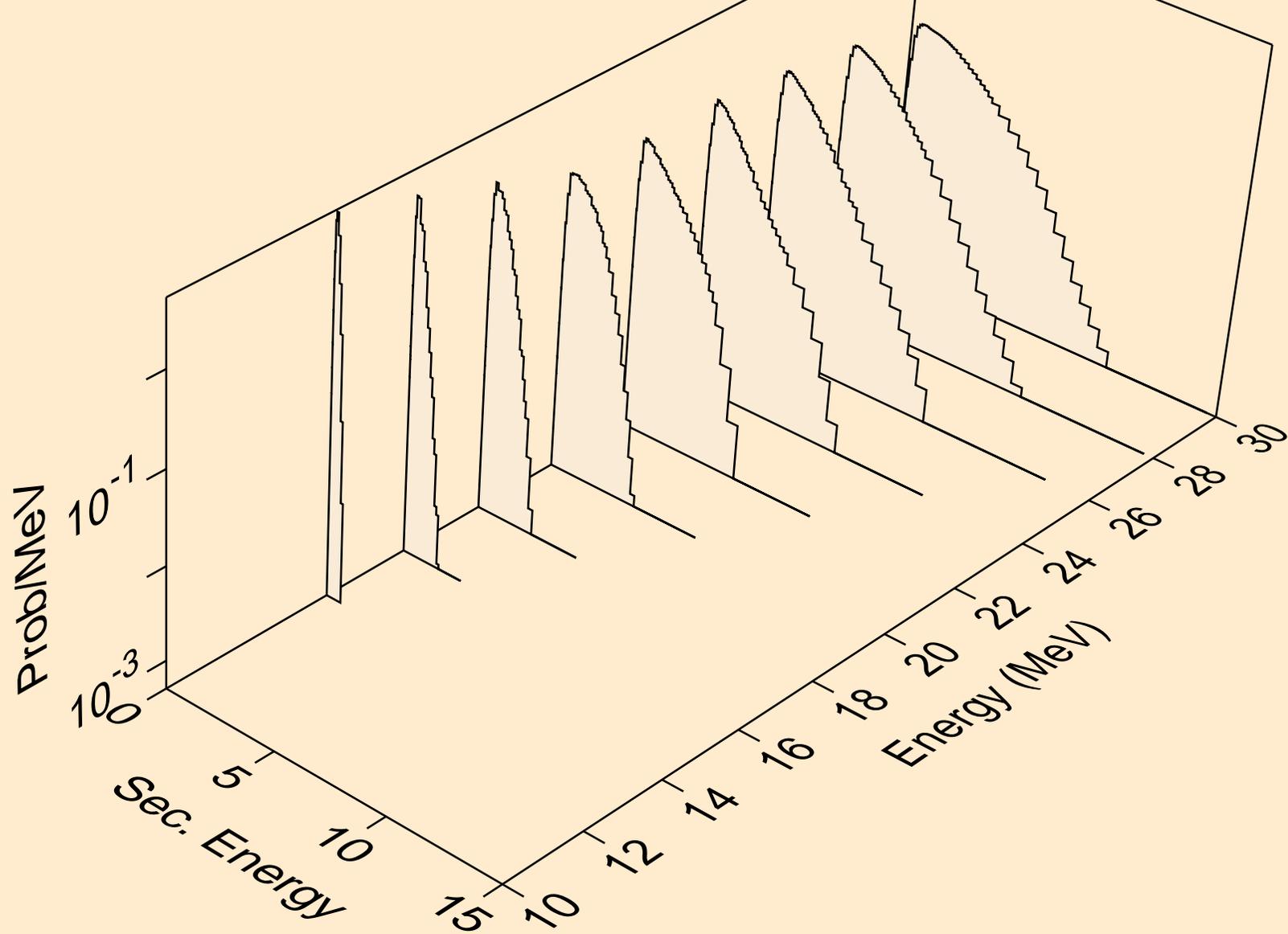Neutron emission for (n,2n)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
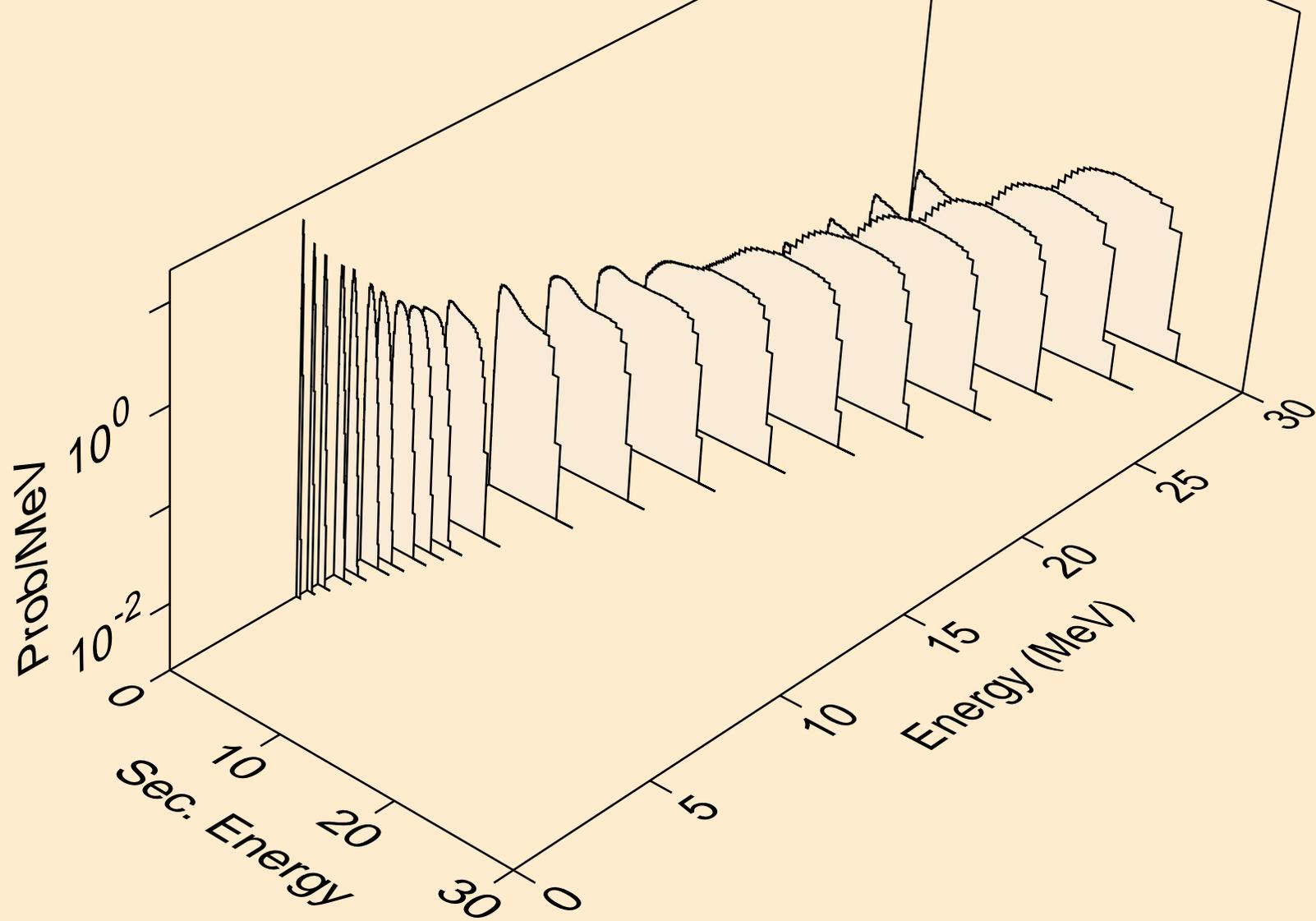Neutron emission for (n,3n)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
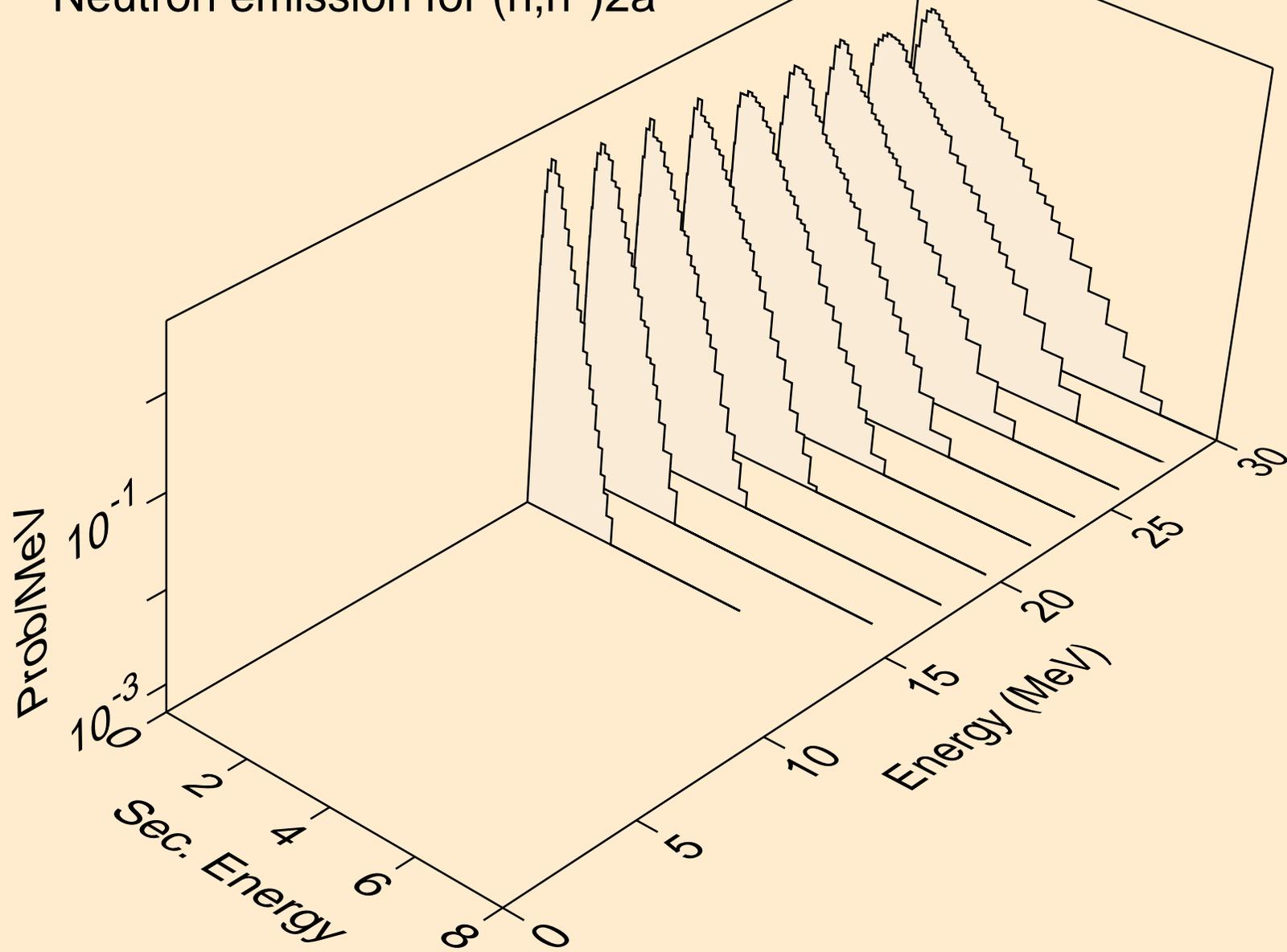Neutron emission for (n,n*)a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
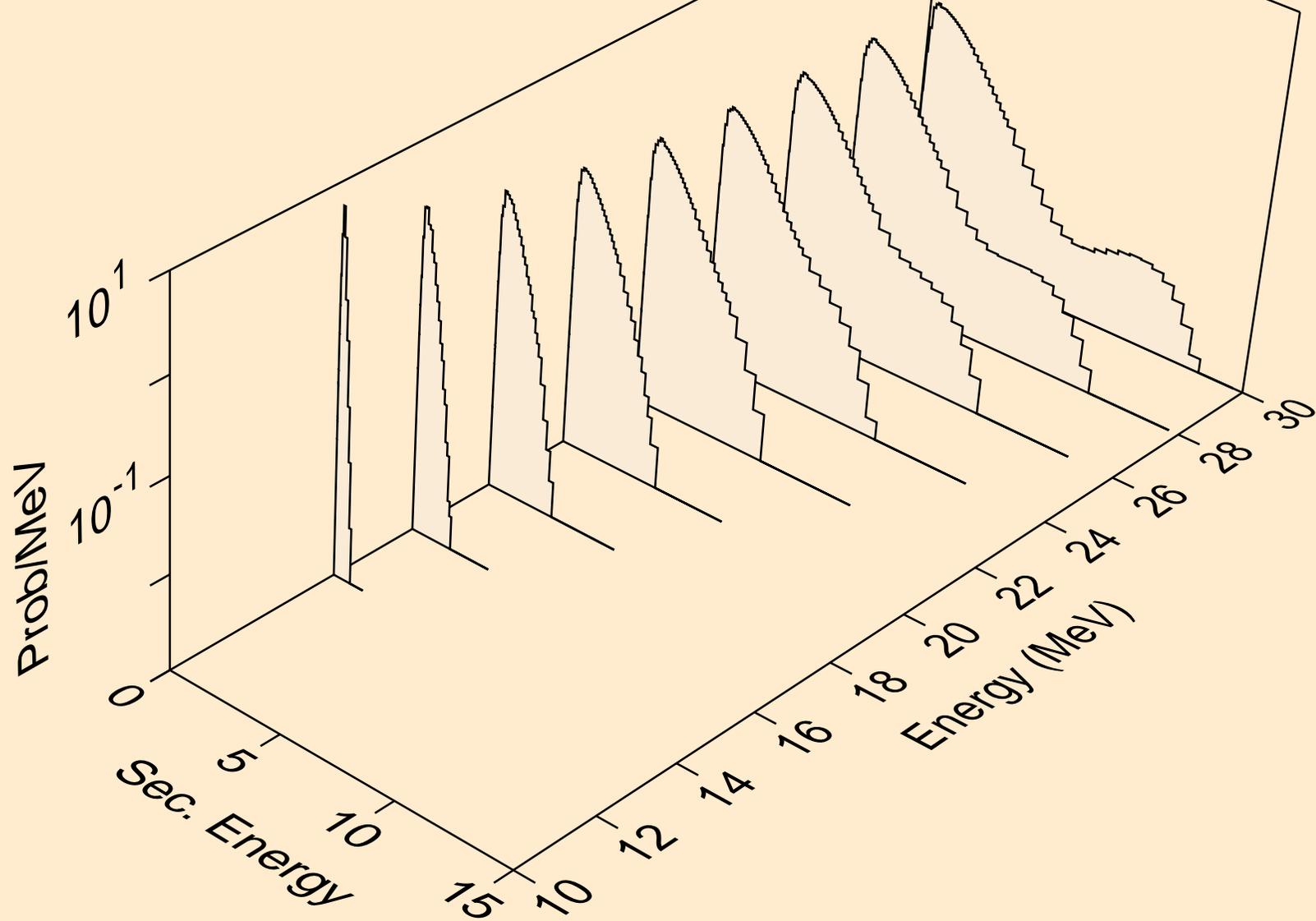Neutron emission for (n,2n)a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
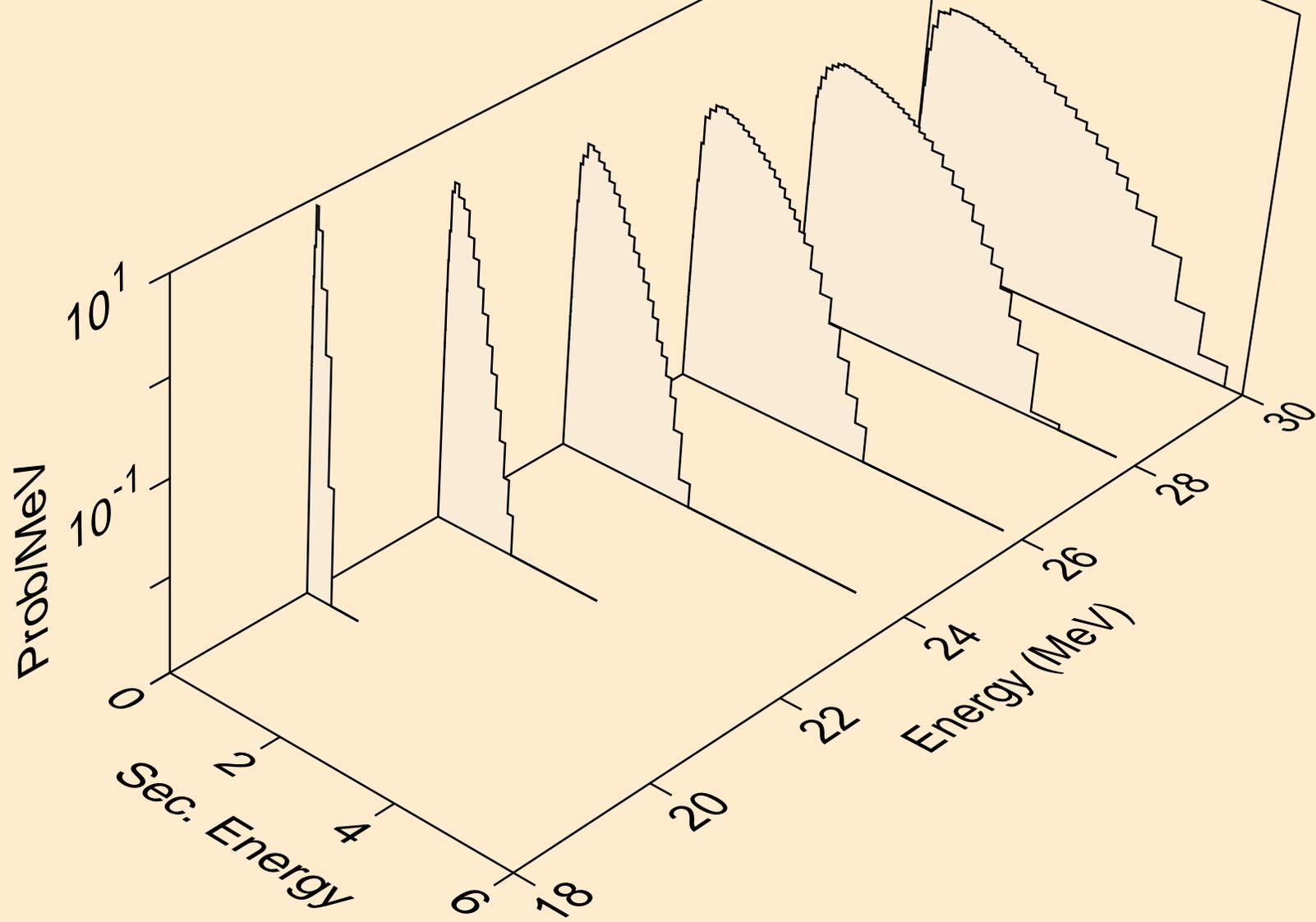Neutron emission for (n,n*)p

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
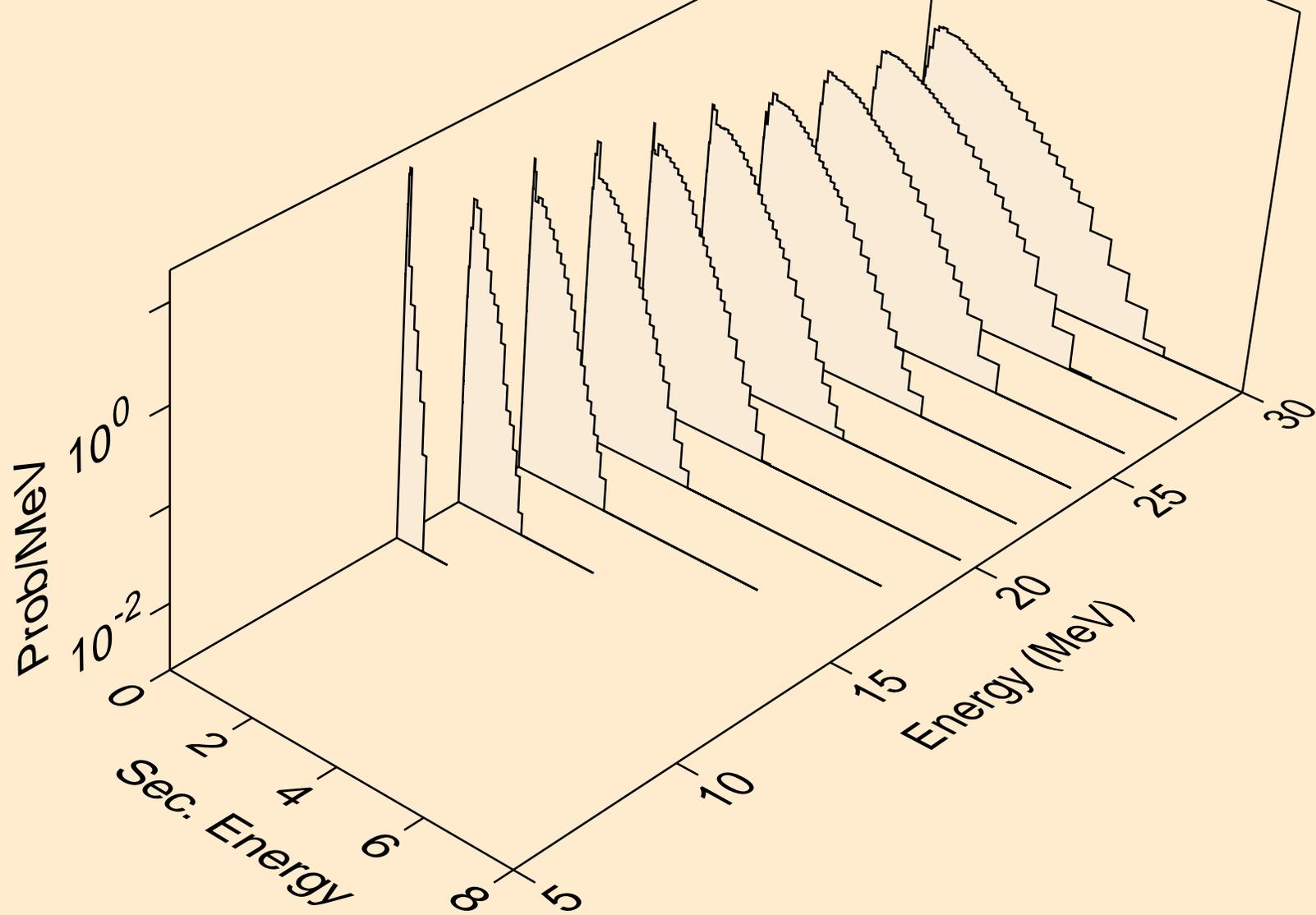Neutron emission for (n,n*)2a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
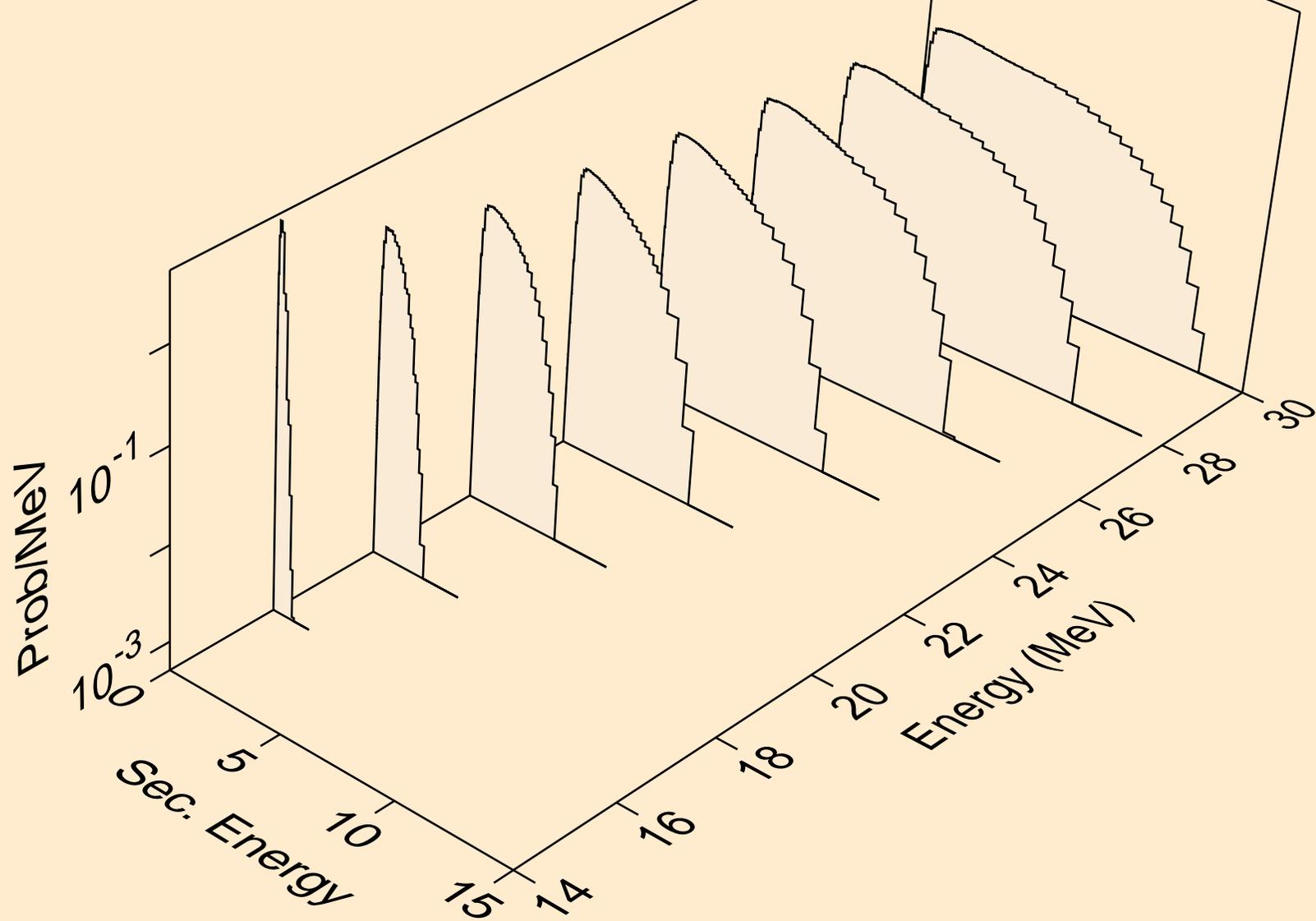Neutron emission for (n,n*)d

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
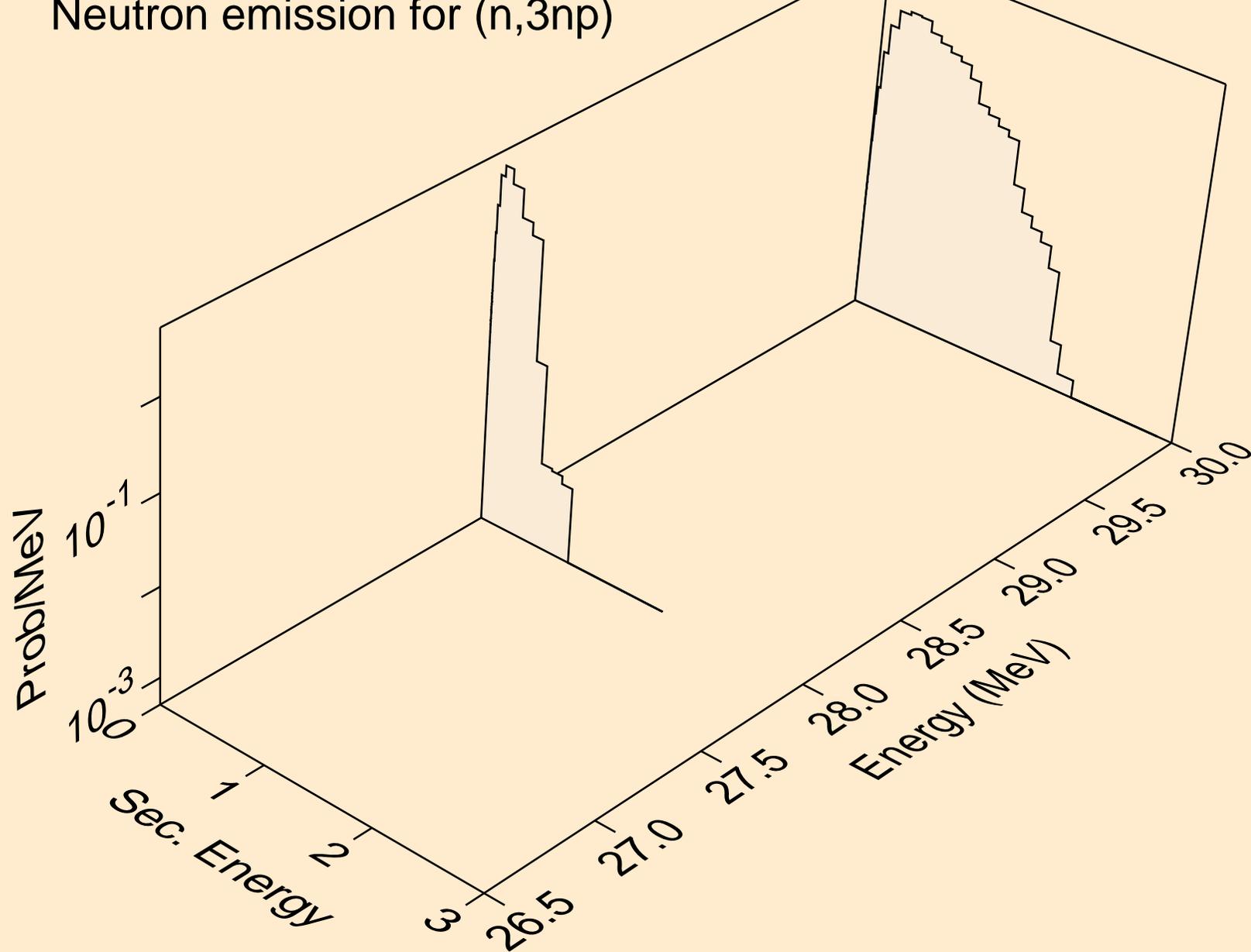Neutron emission for (n,n*)t

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
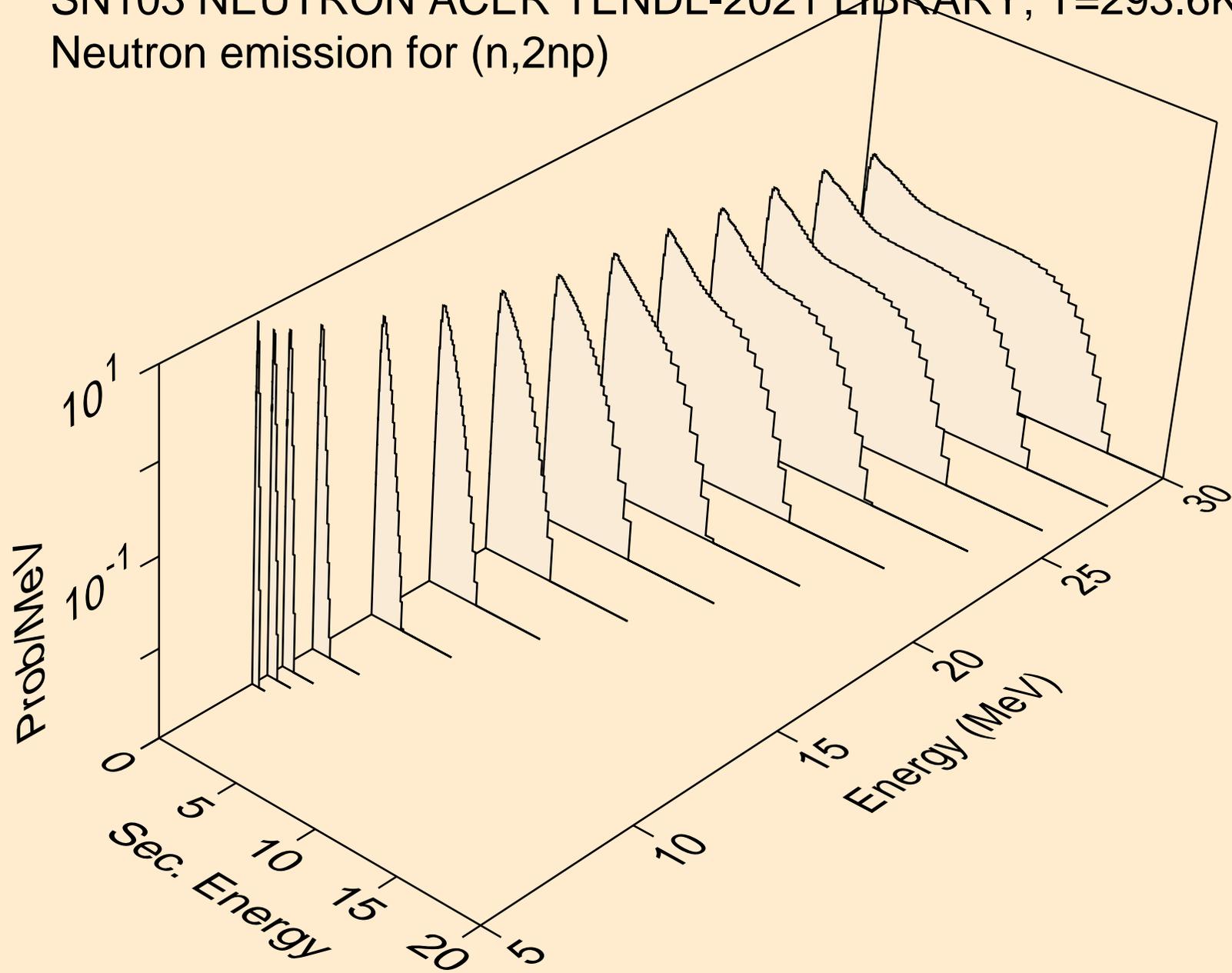Neutron emission for (n,n*)he3

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
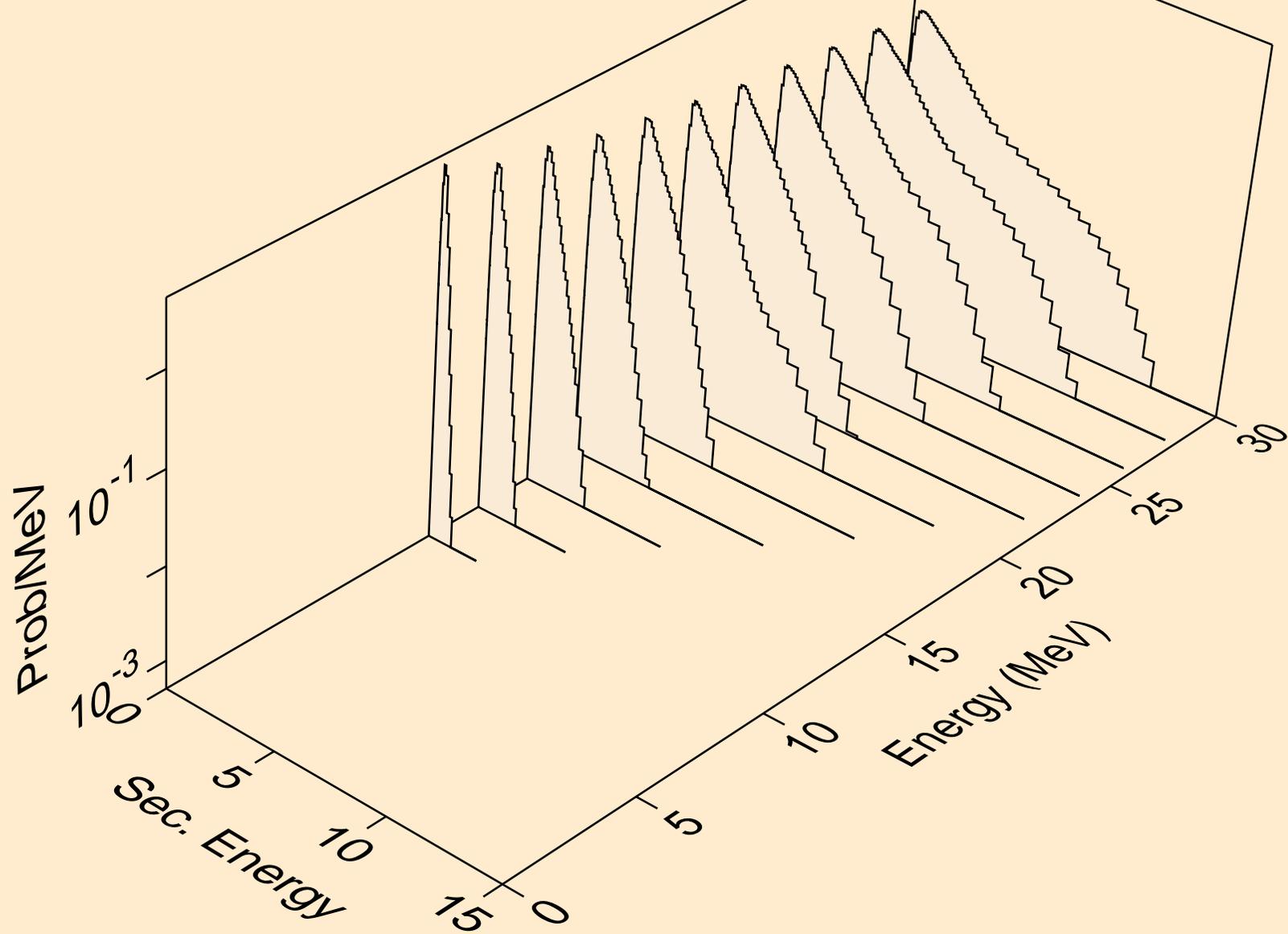Neutron emission for (n,2np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
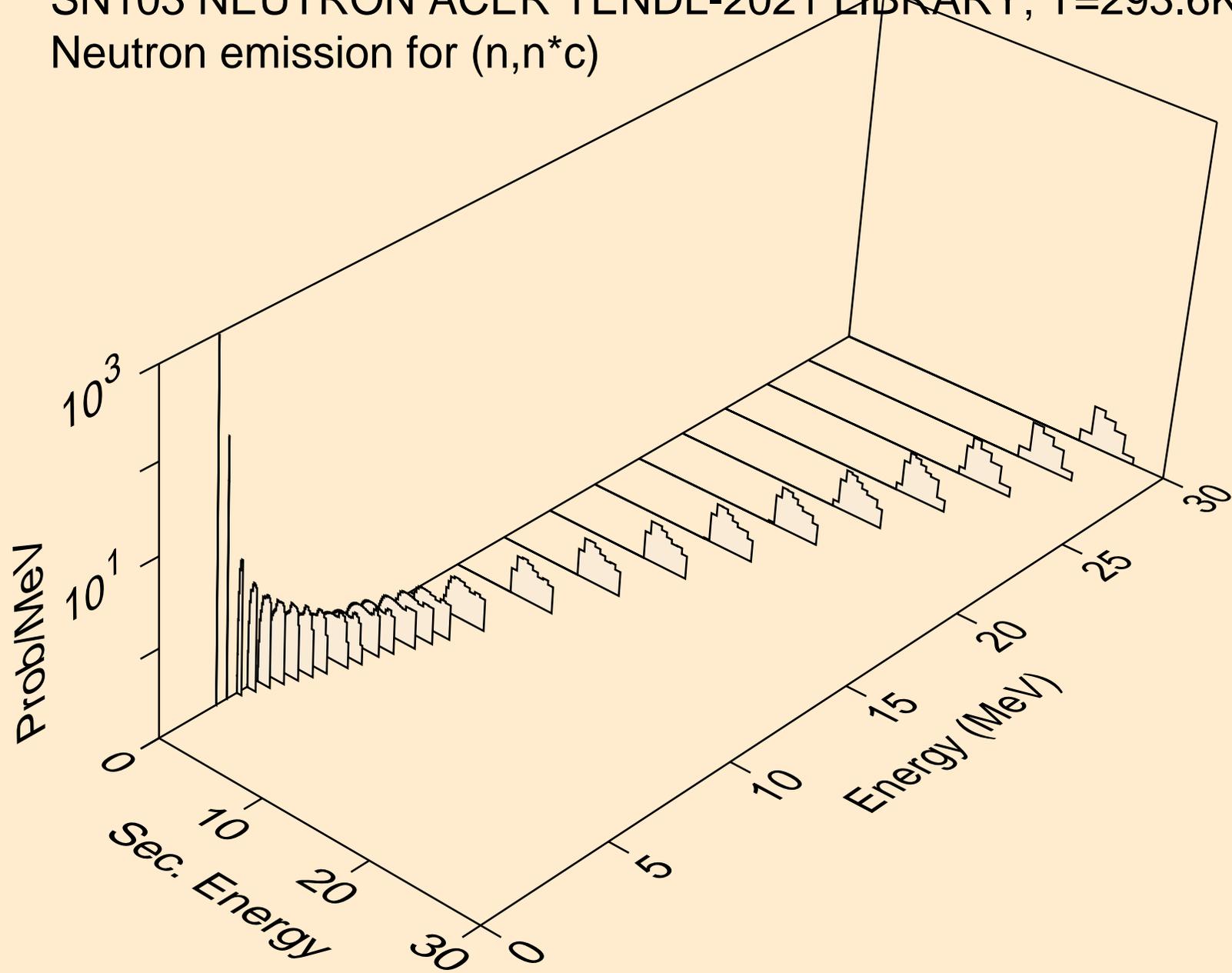Neutron emission for (n,3np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
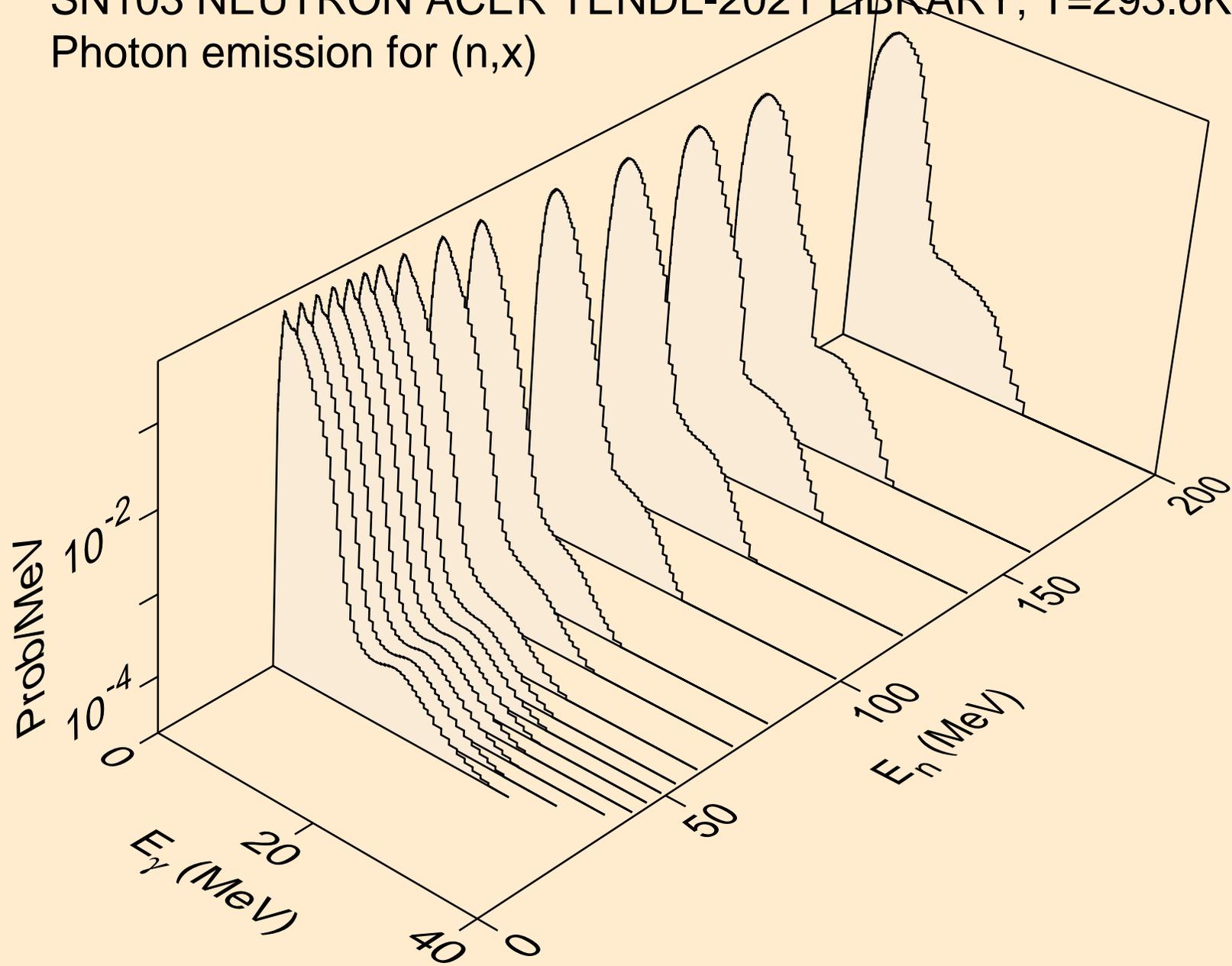Neutron emission for (n,2np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
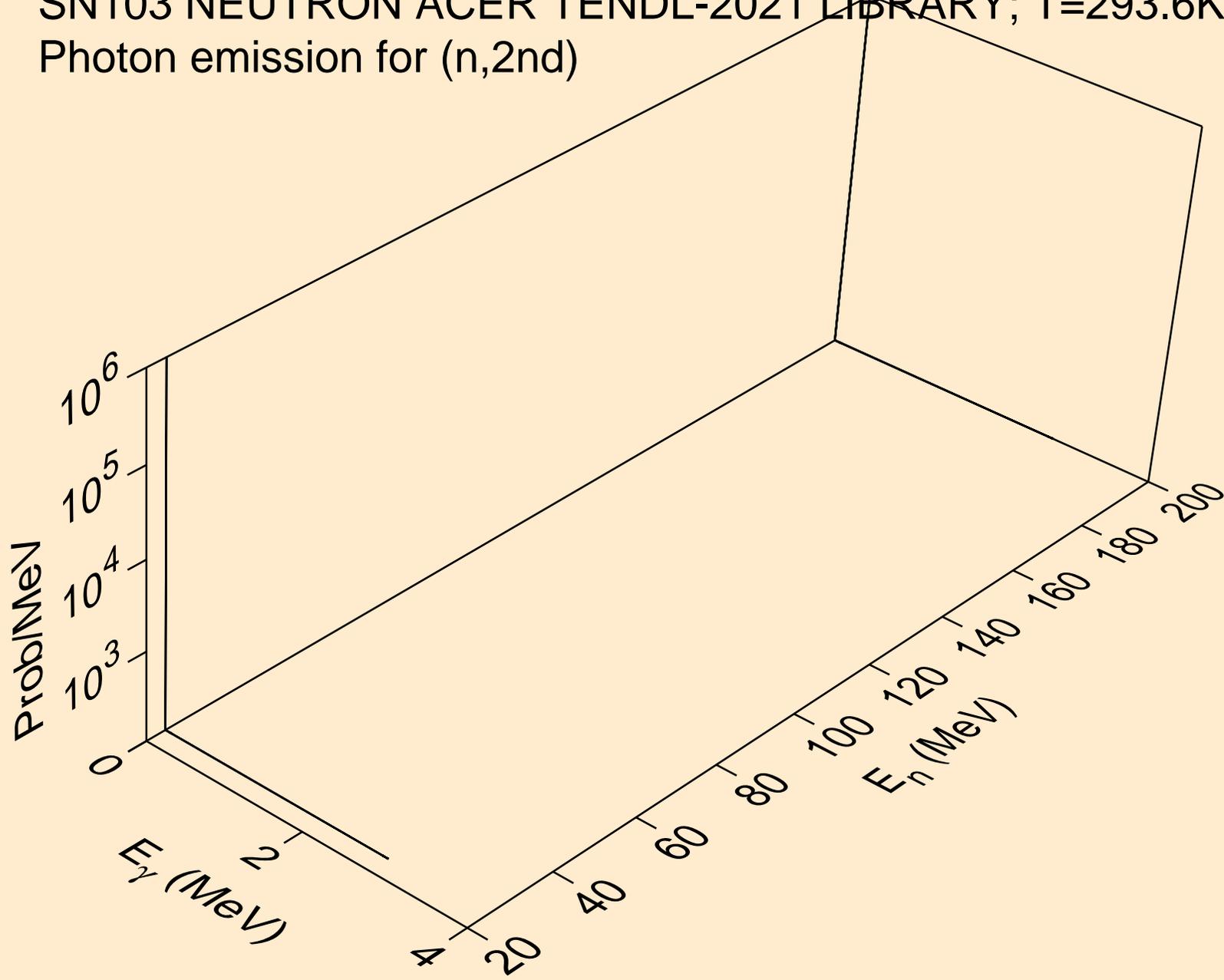Neutron emission for (n,npa)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
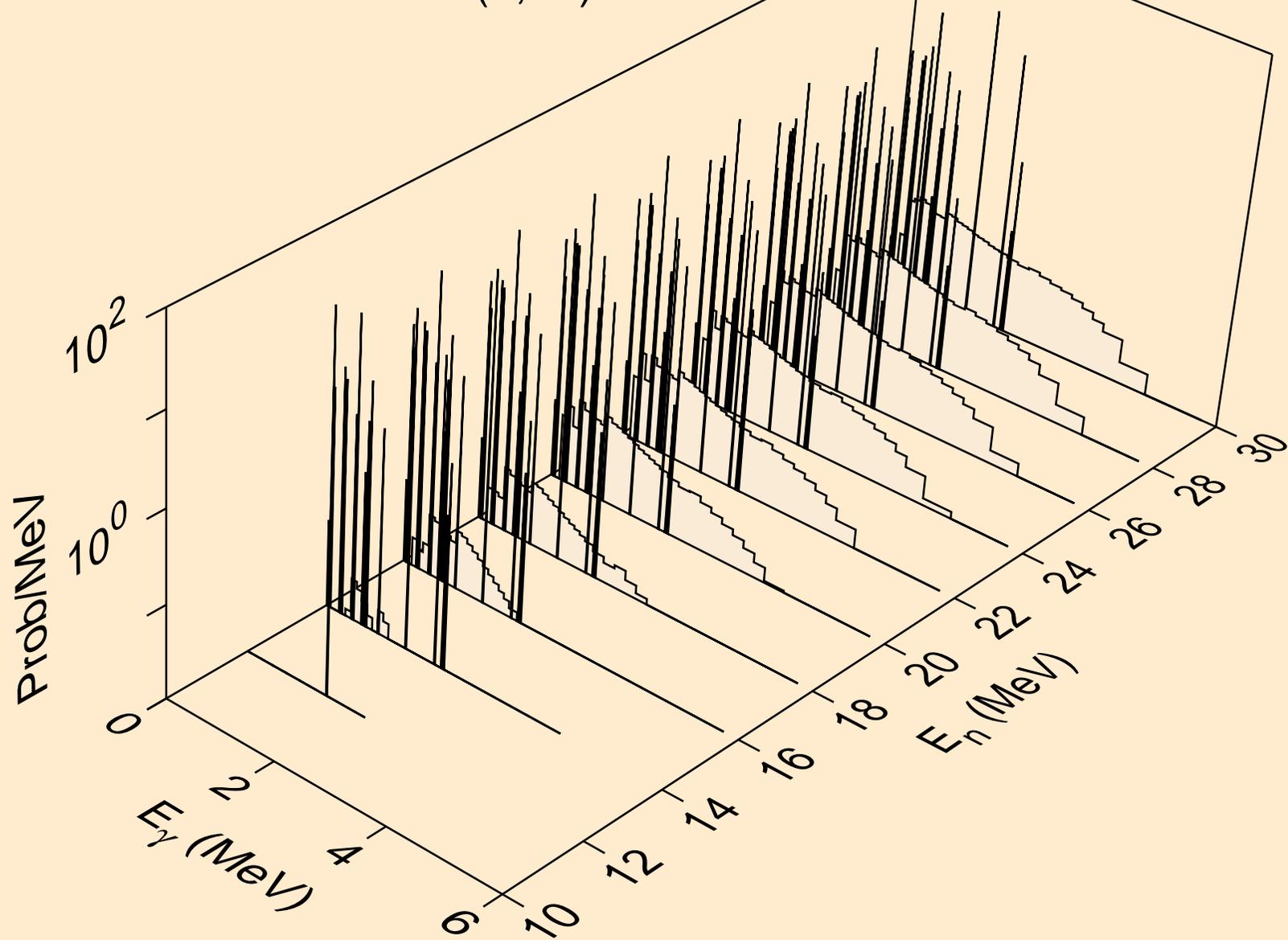Neutron emission for (n,n*c)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
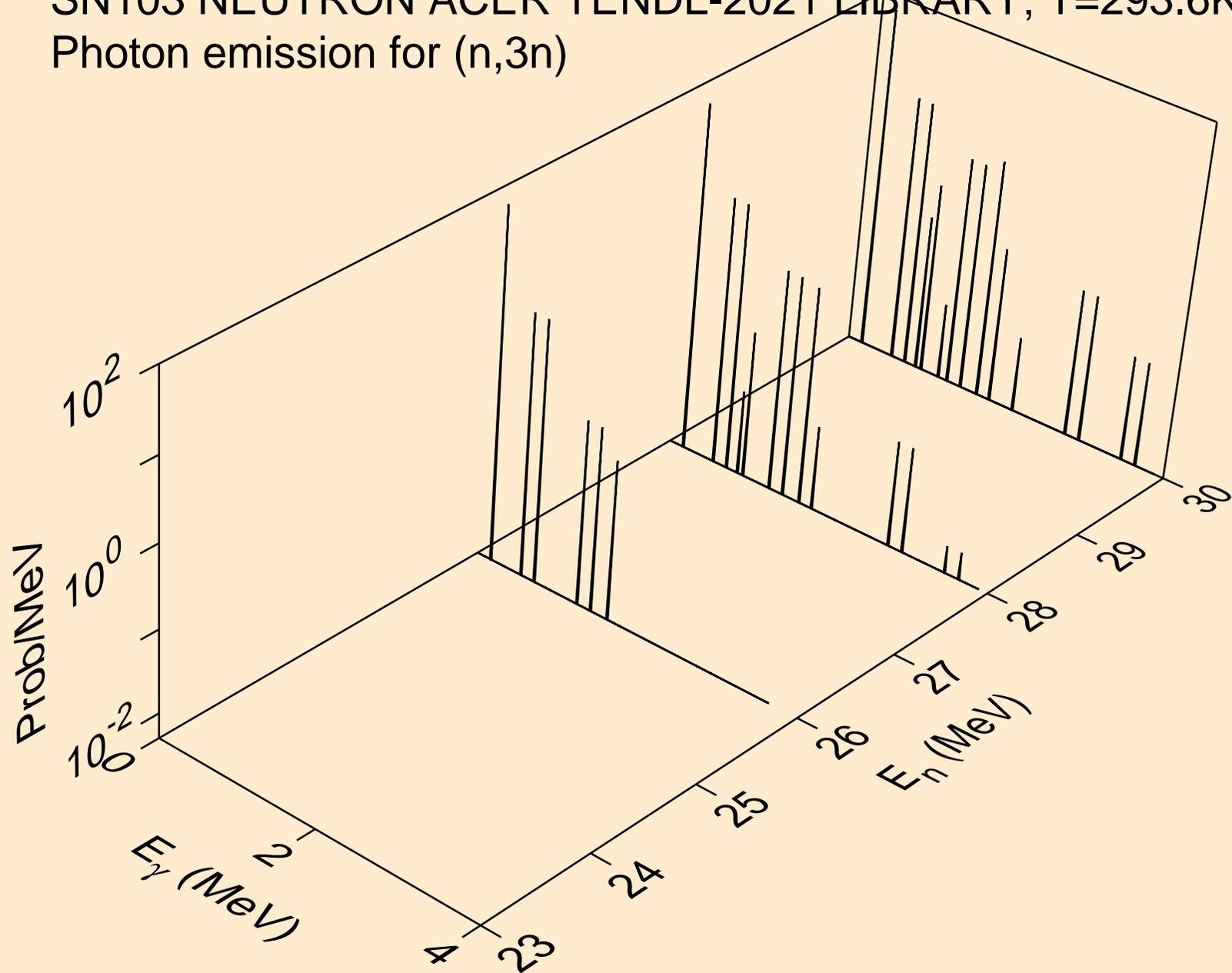Photon emission for (n,x)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
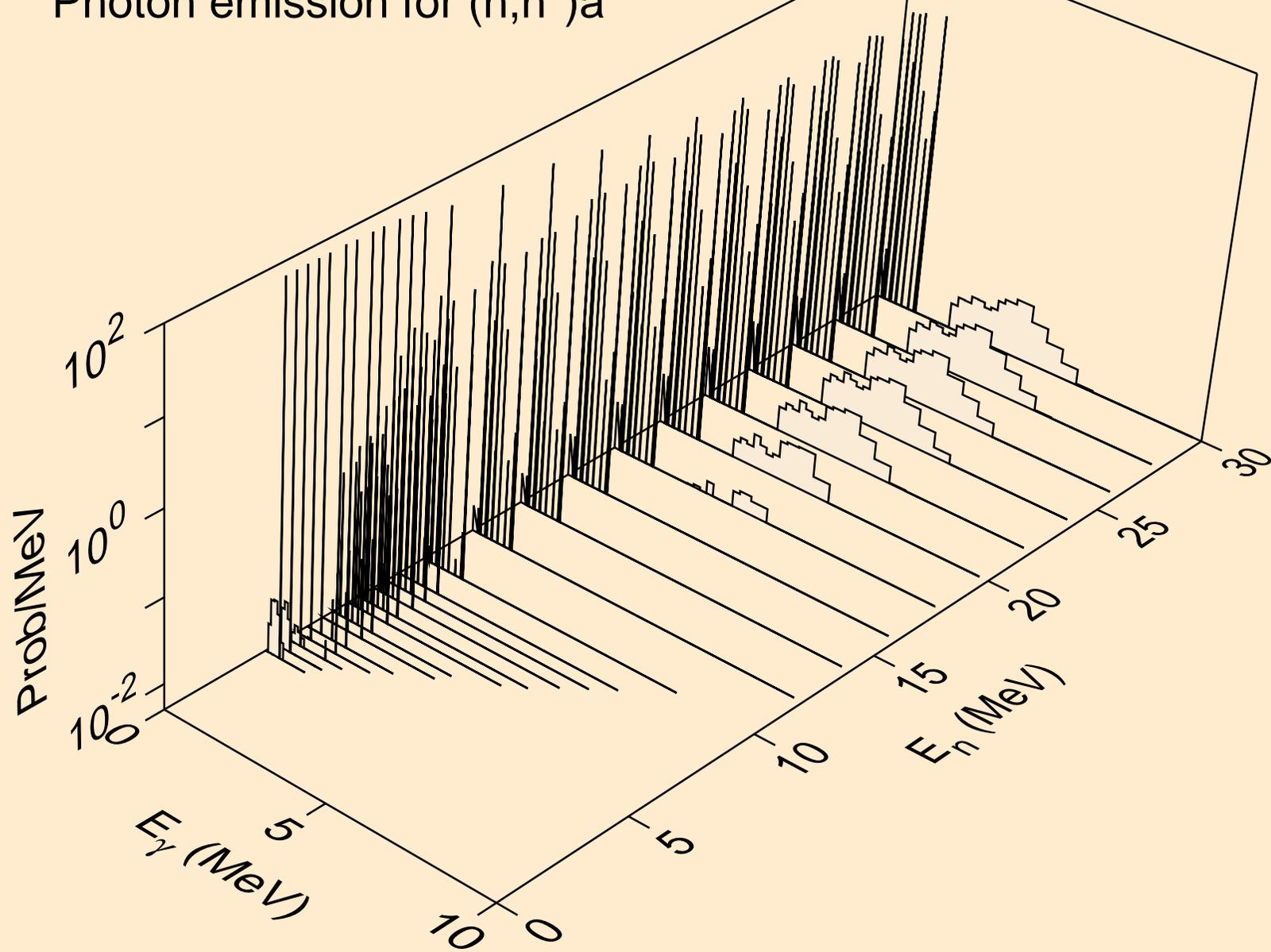Photon emission for (n,2nd)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
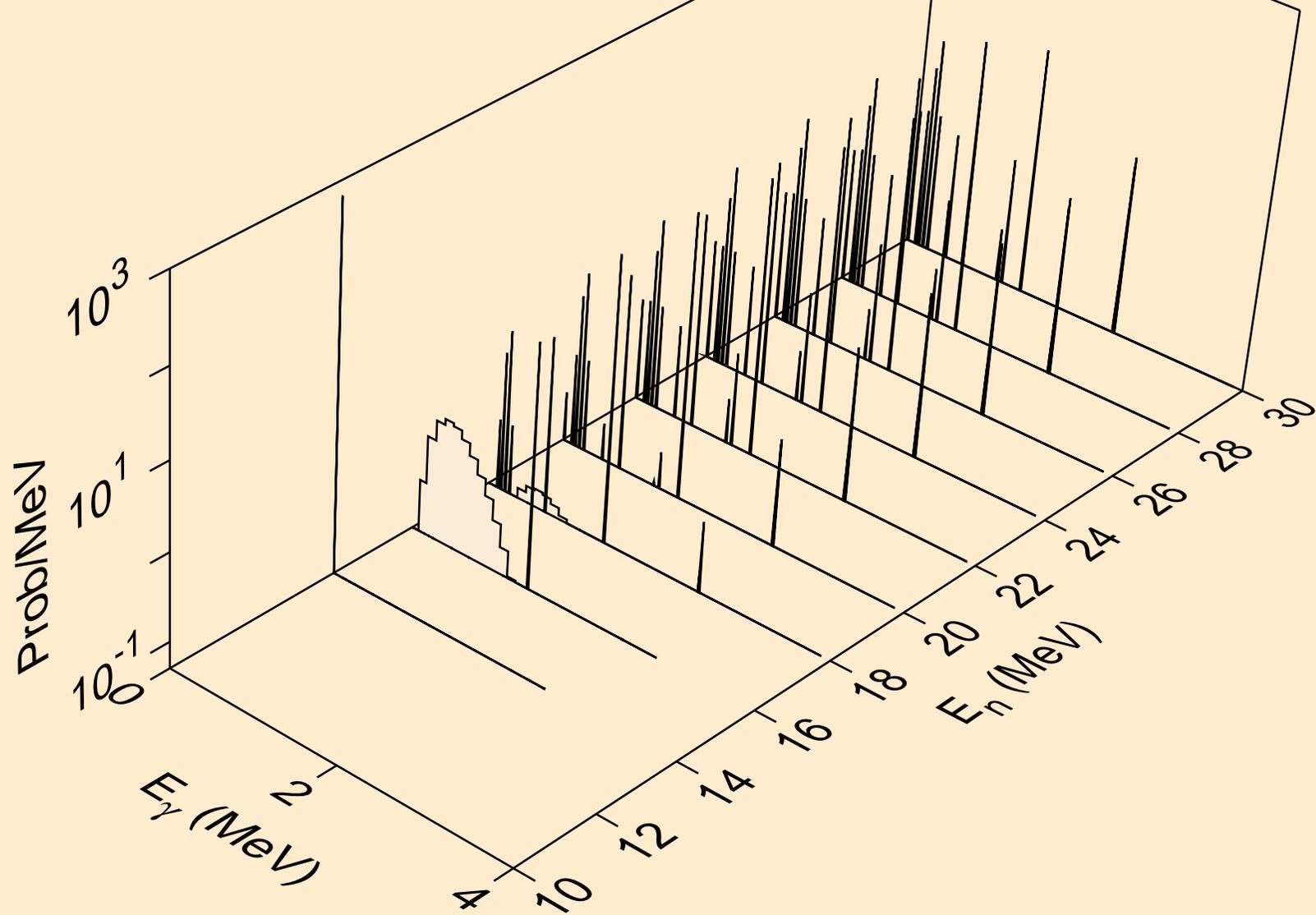Photon emission for (n,2n)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
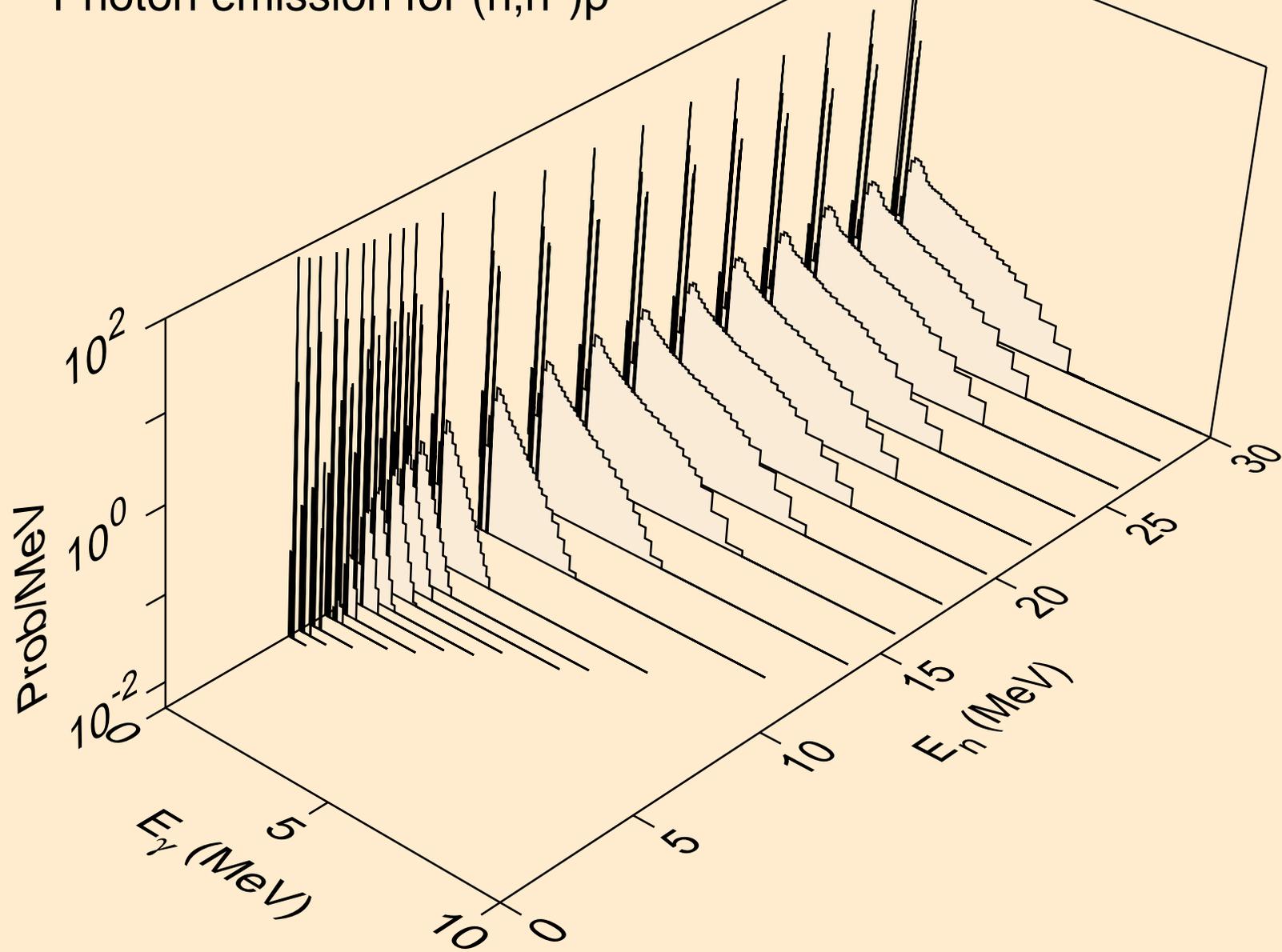Photon emission for (n,3n)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
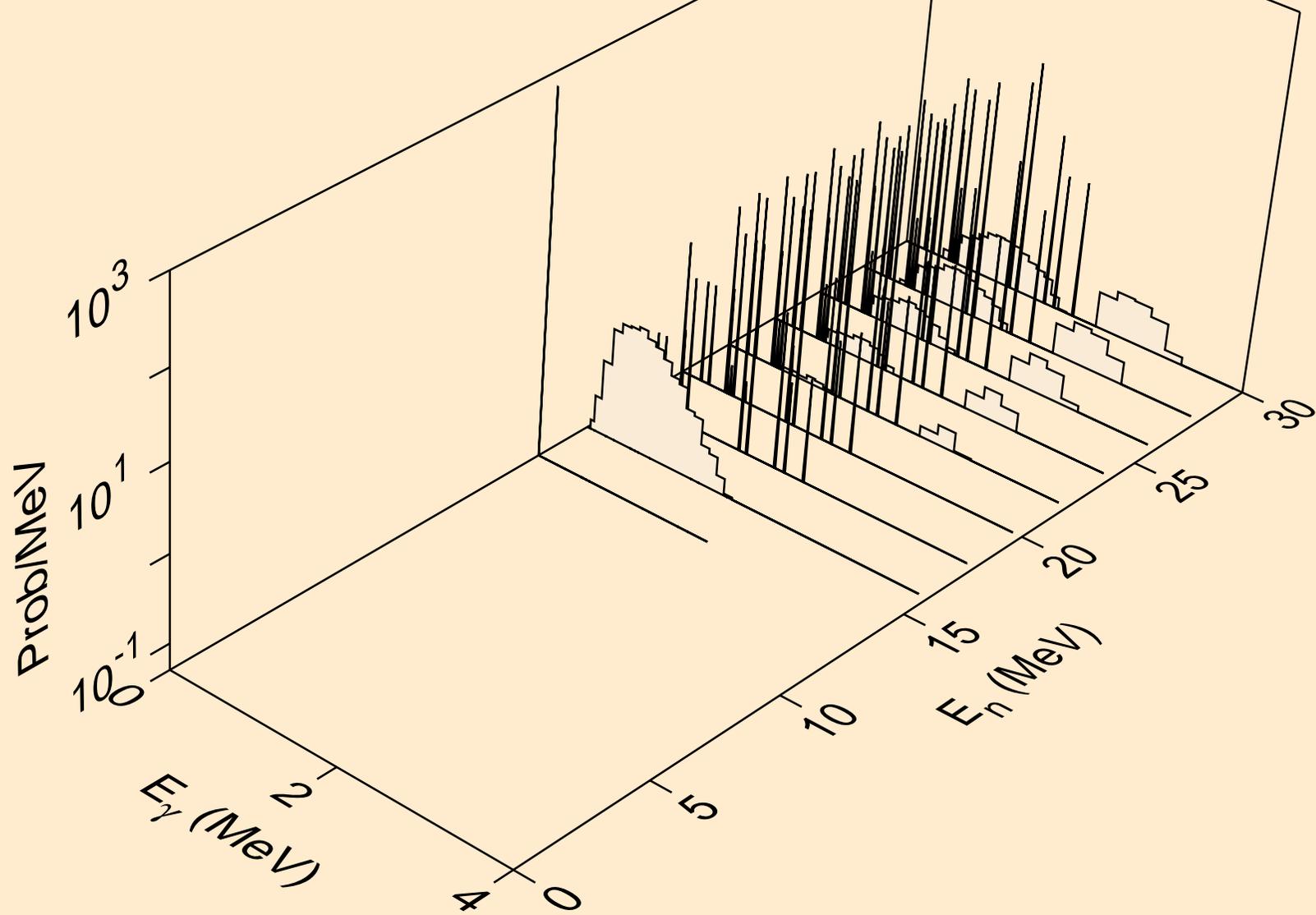Photon emission for (n,n*)a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
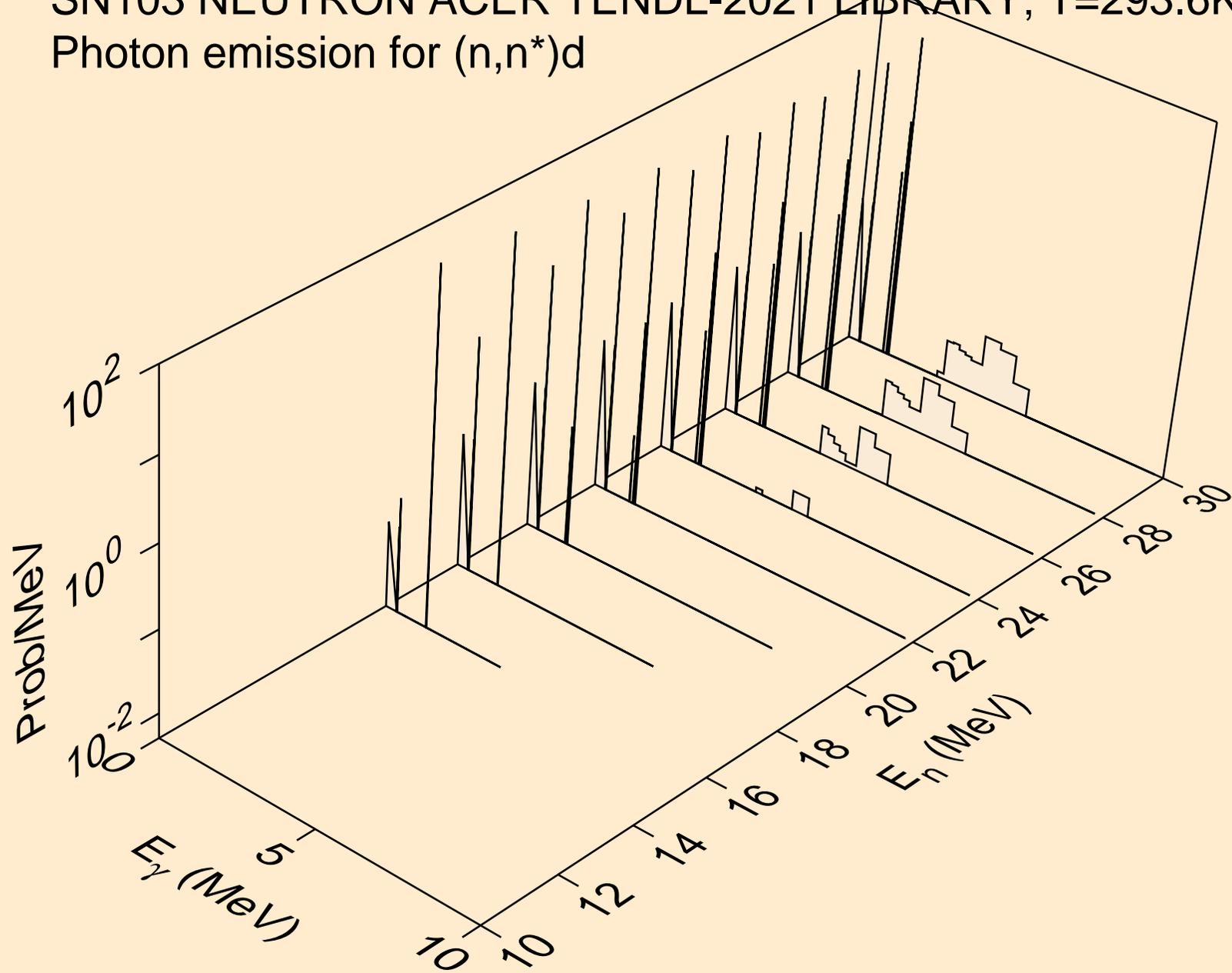Photon emission for (n,2n)a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
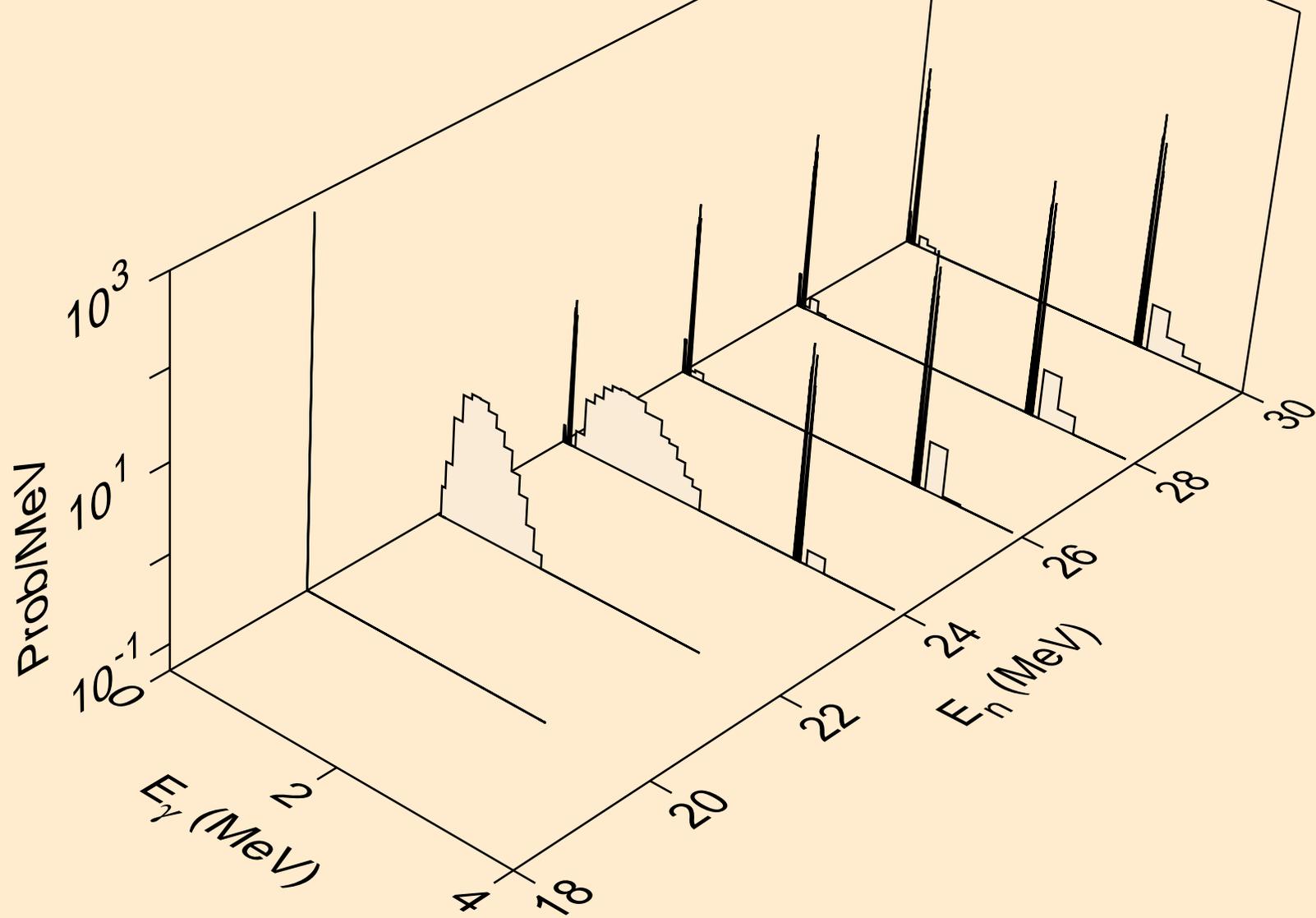Photon emission for (n,n*)p

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
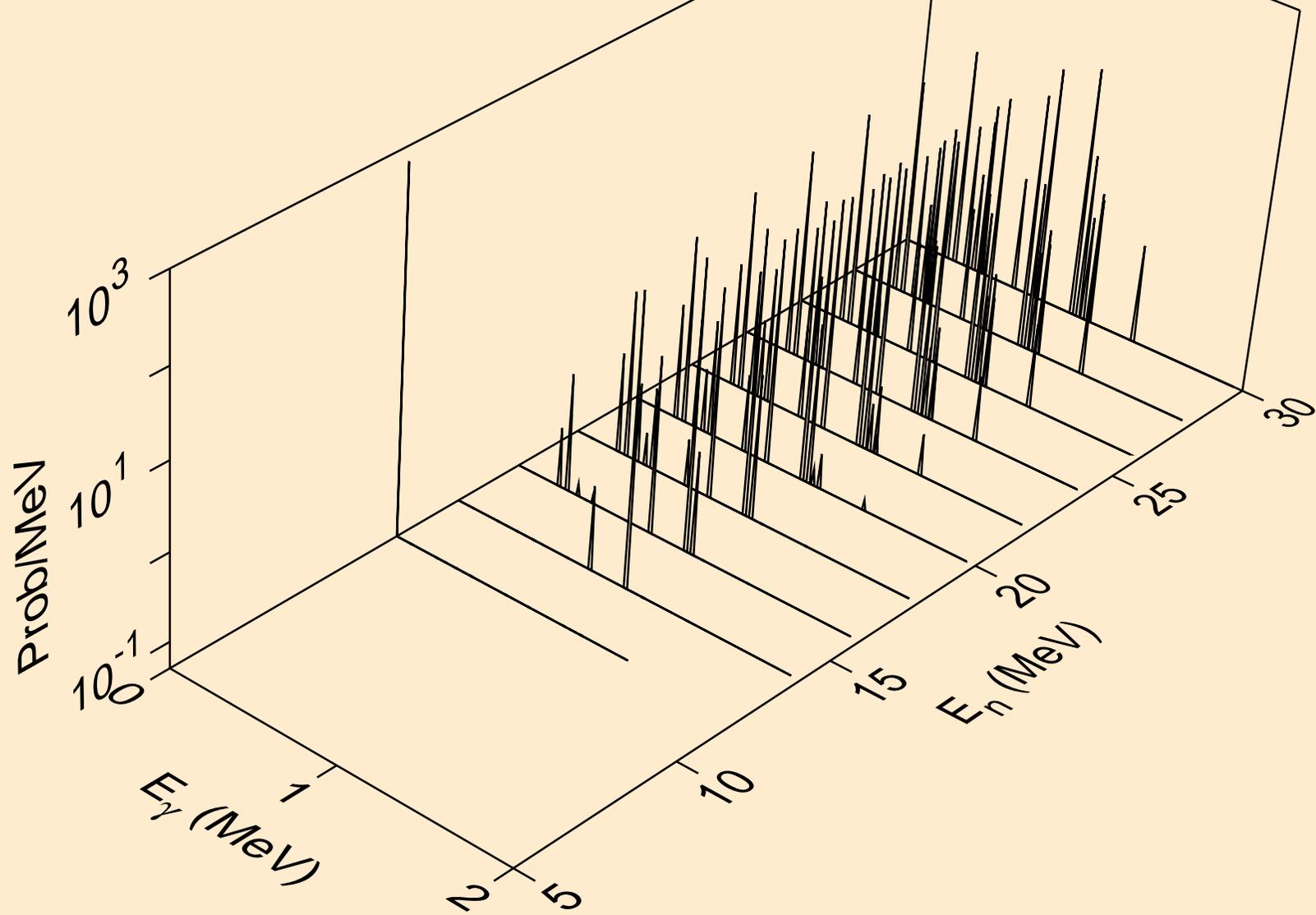Photon emission for (n,n*)2a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
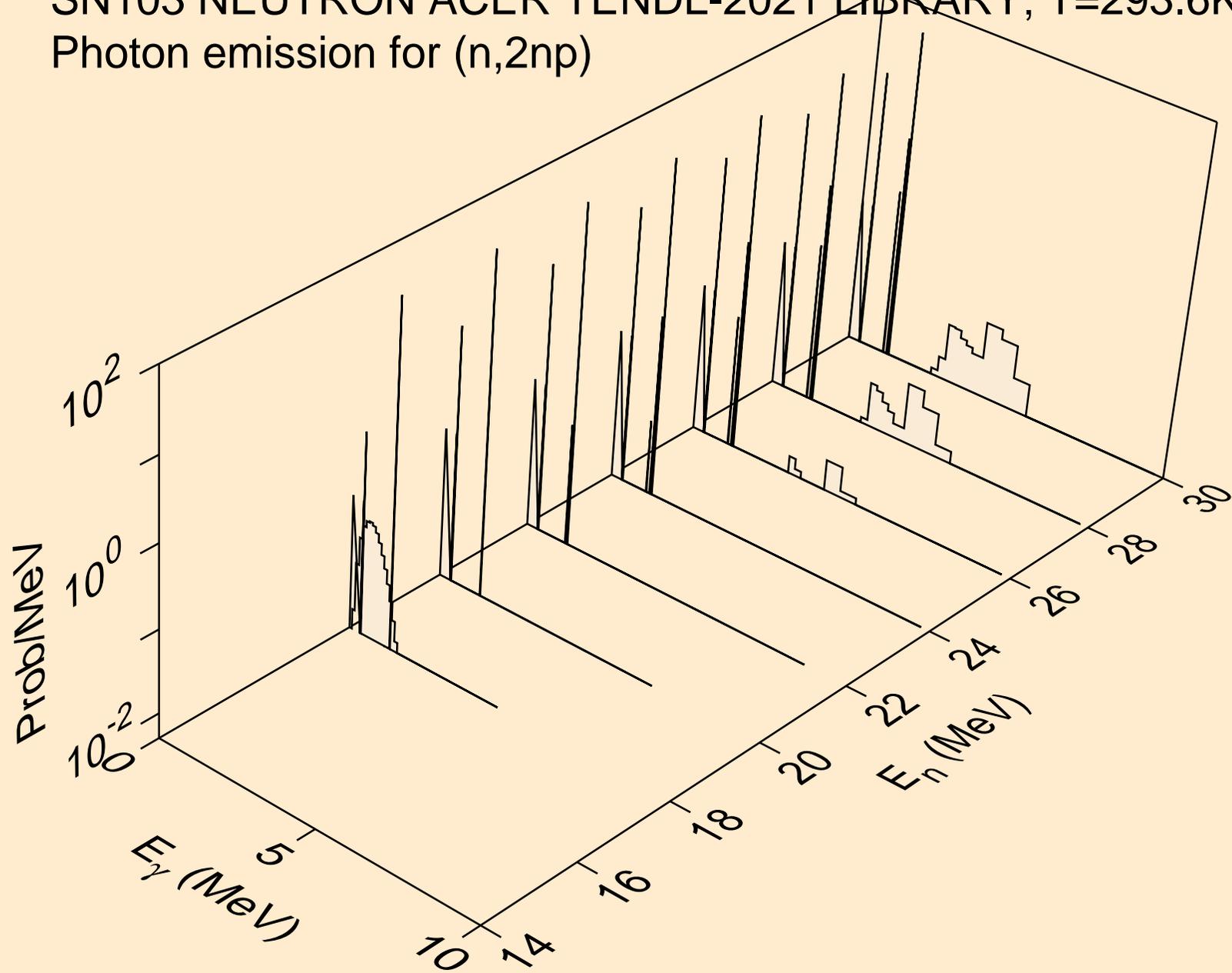Photon emission for (n,n*)d

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
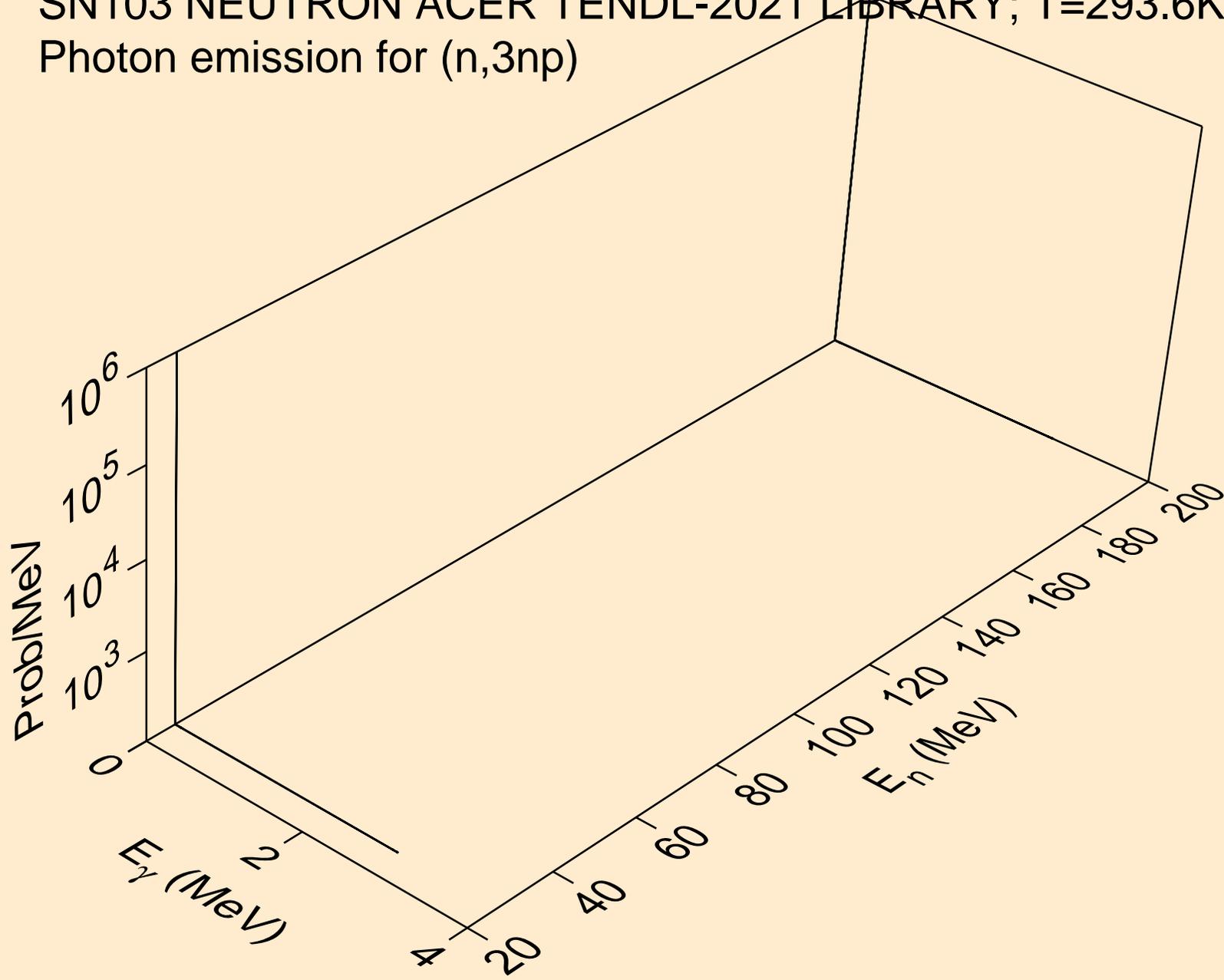Photon emission for (n,n*)t

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
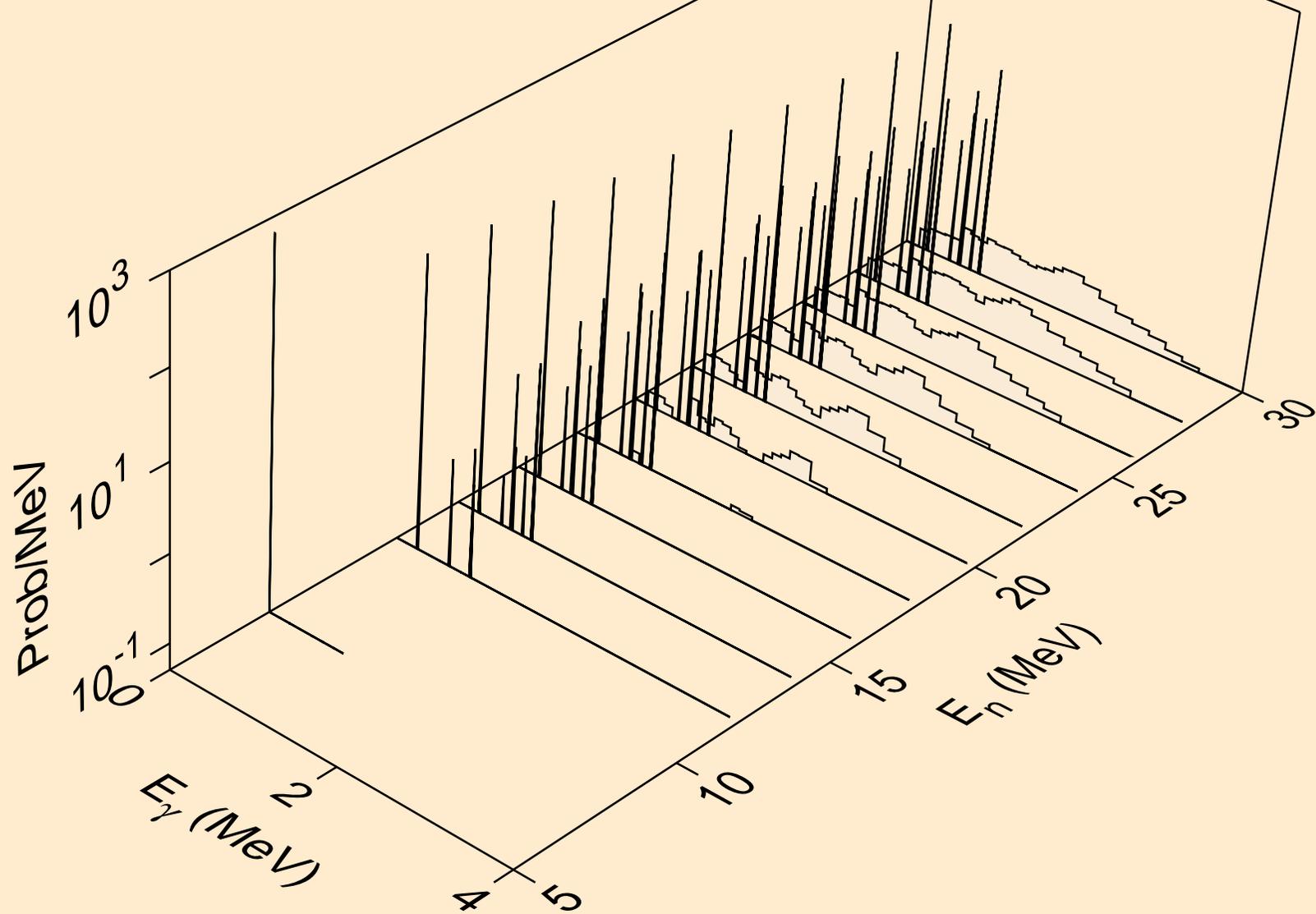Photon emission for (n,n*)he3

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
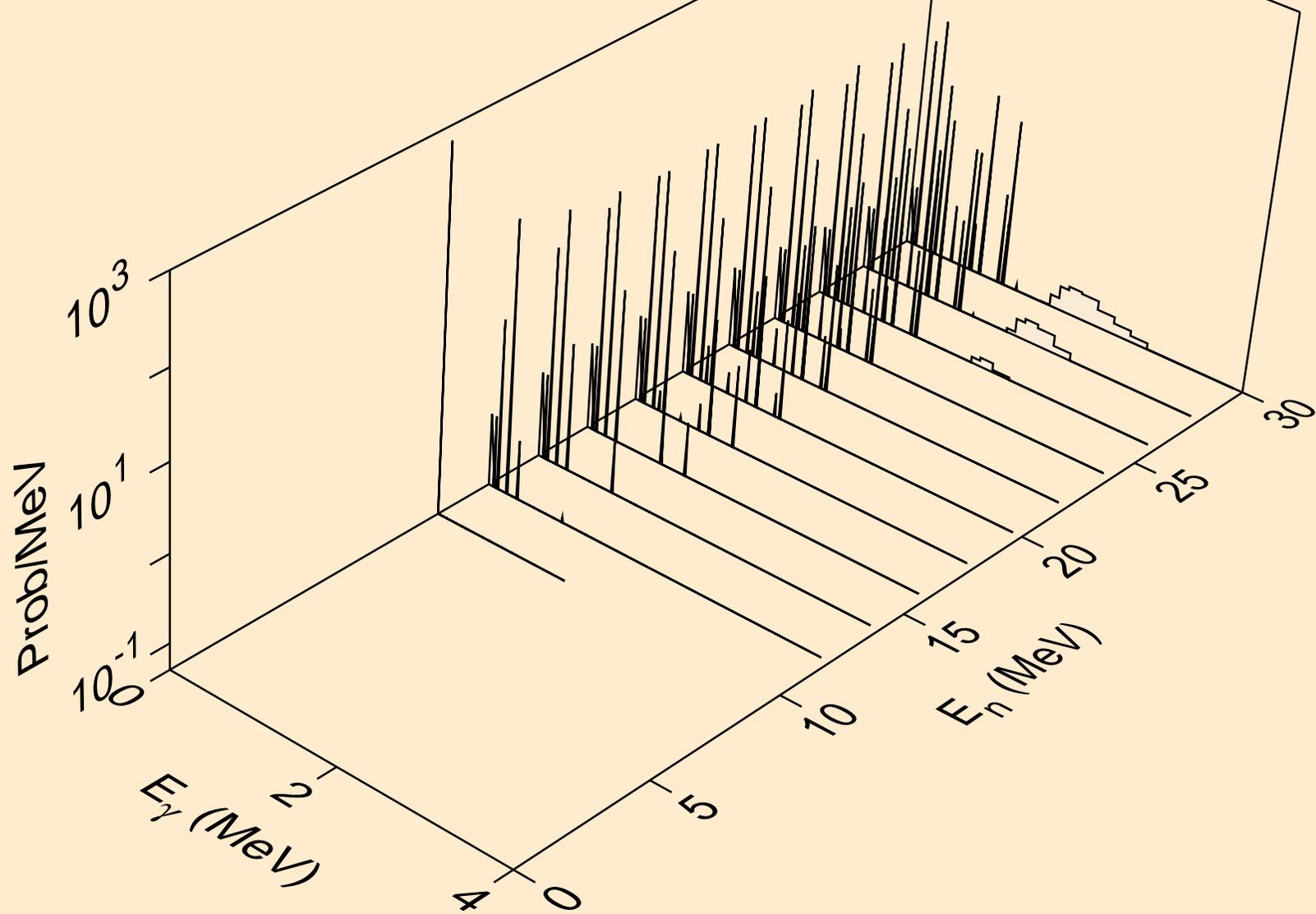Photon emission for (n,2np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
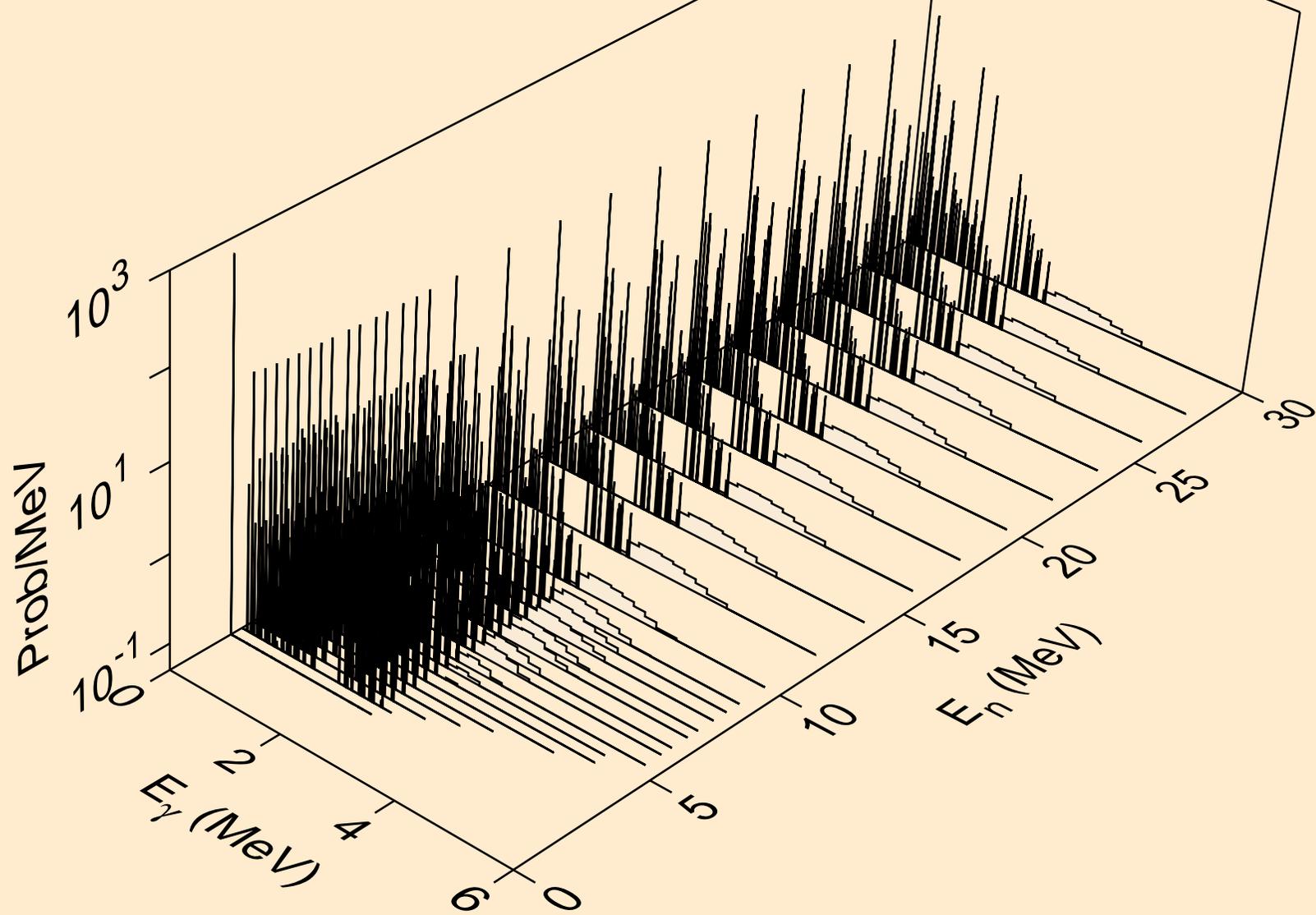Photon emission for (n,3np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
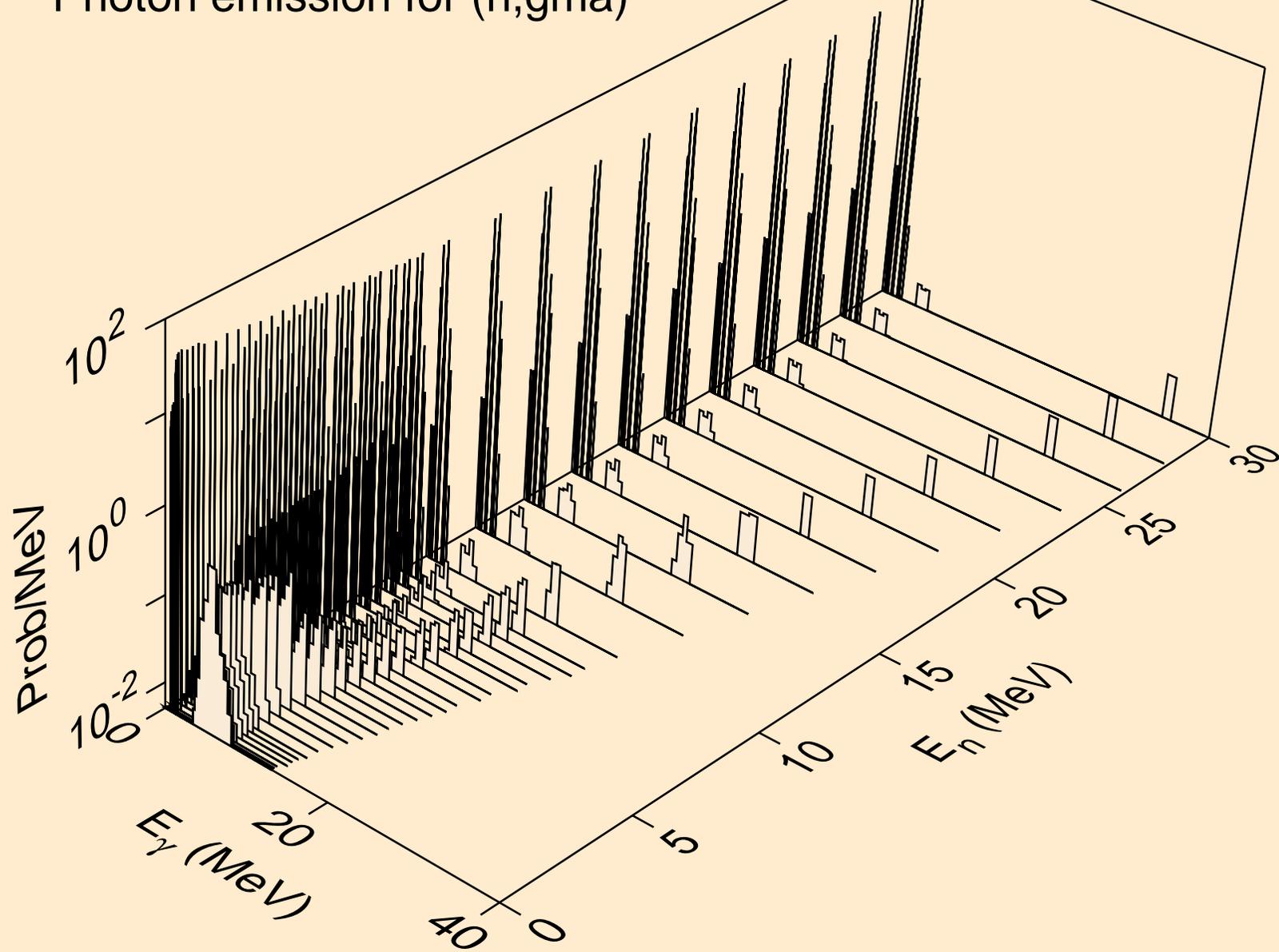Photon emission for (n,2np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
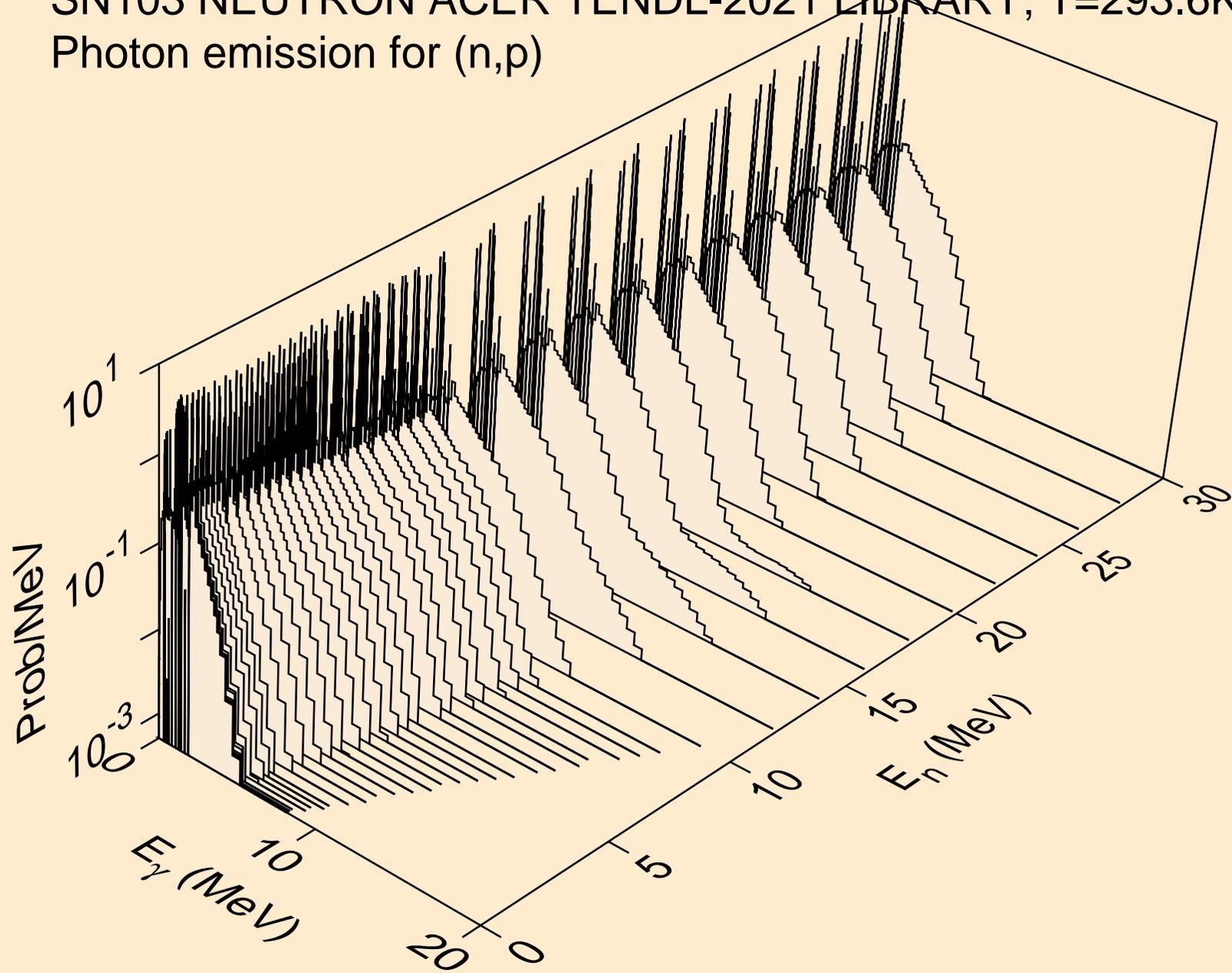Photon emission for (n,npa)

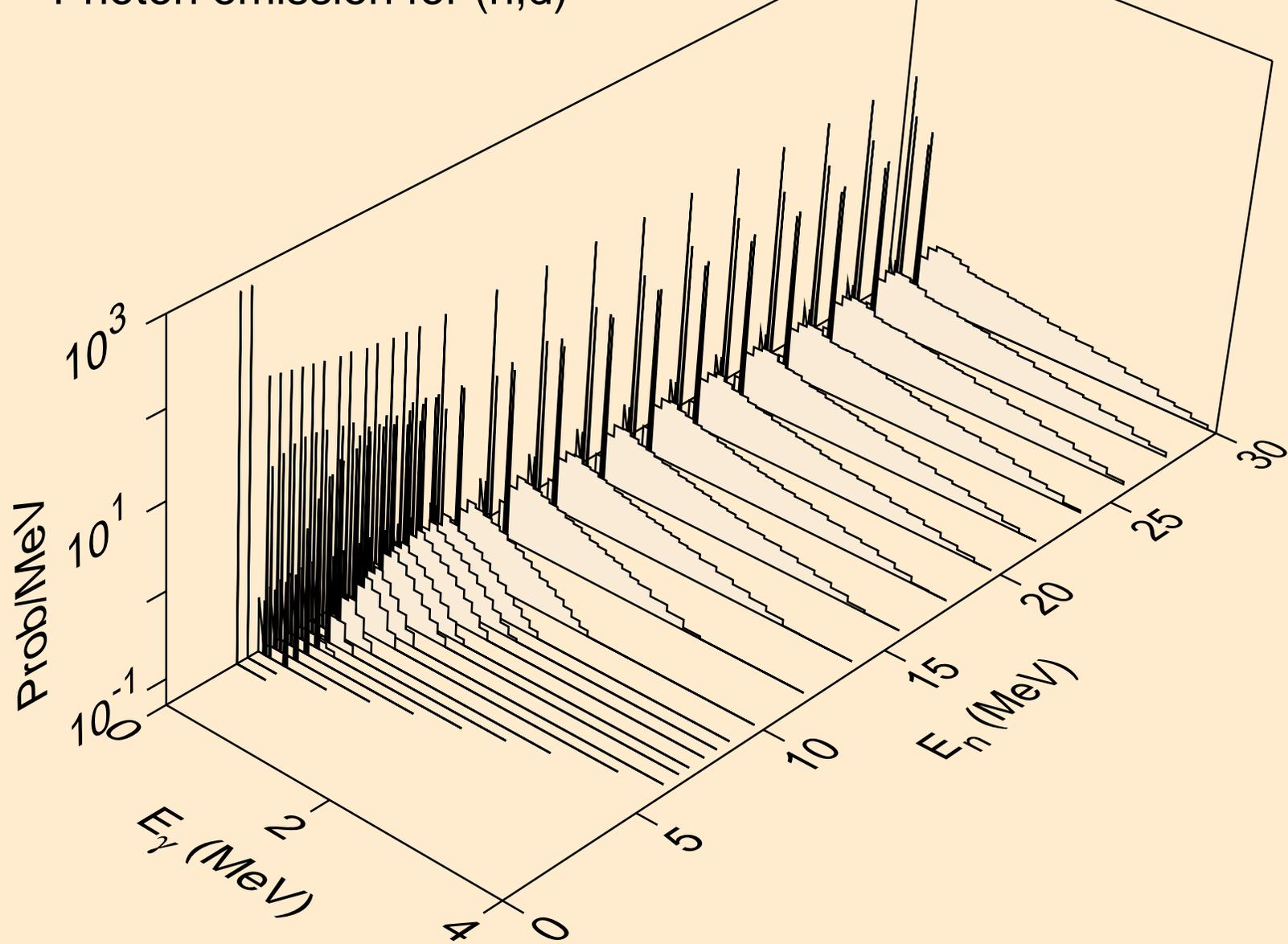SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,n*c)

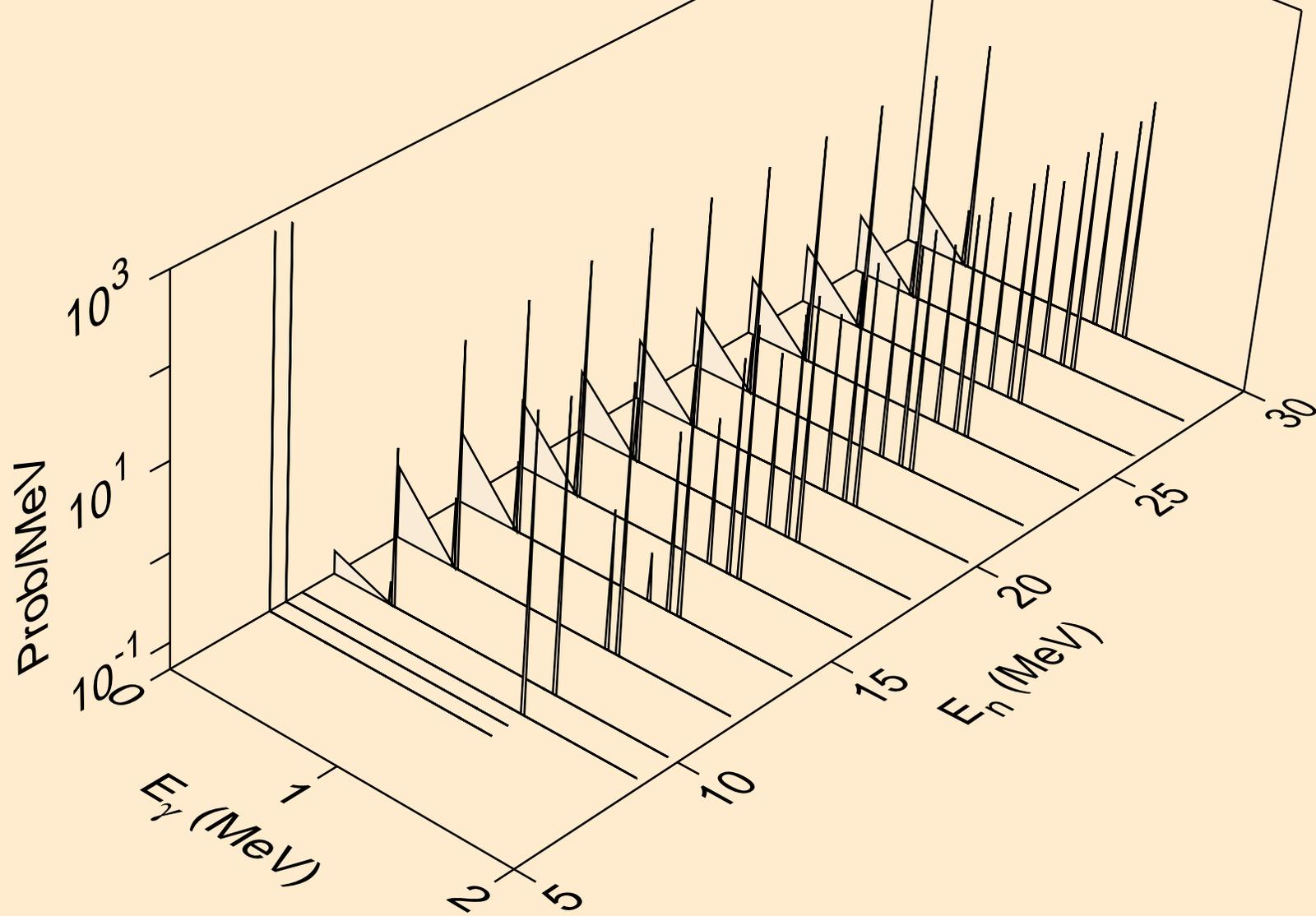SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,gma)

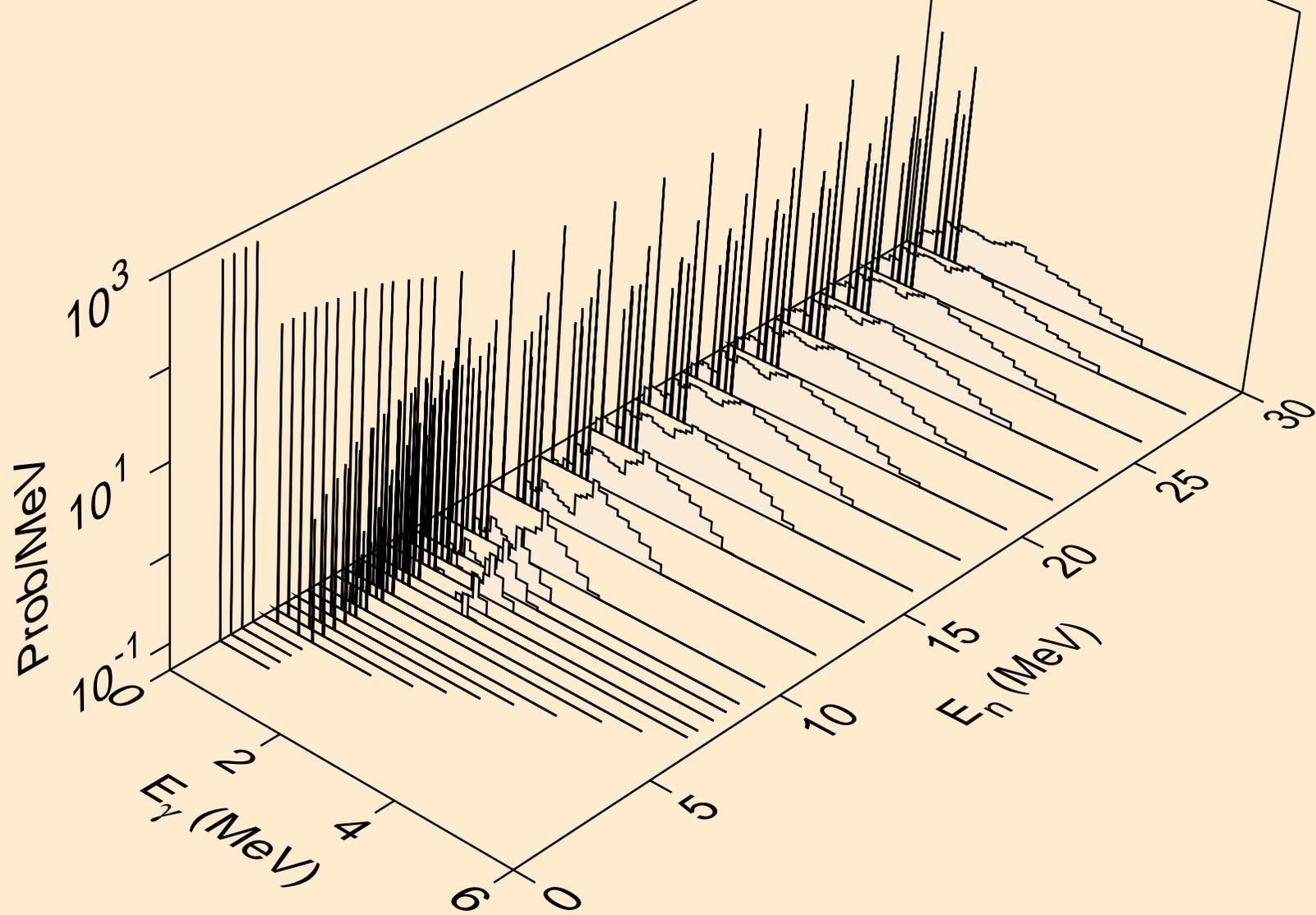SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,p)

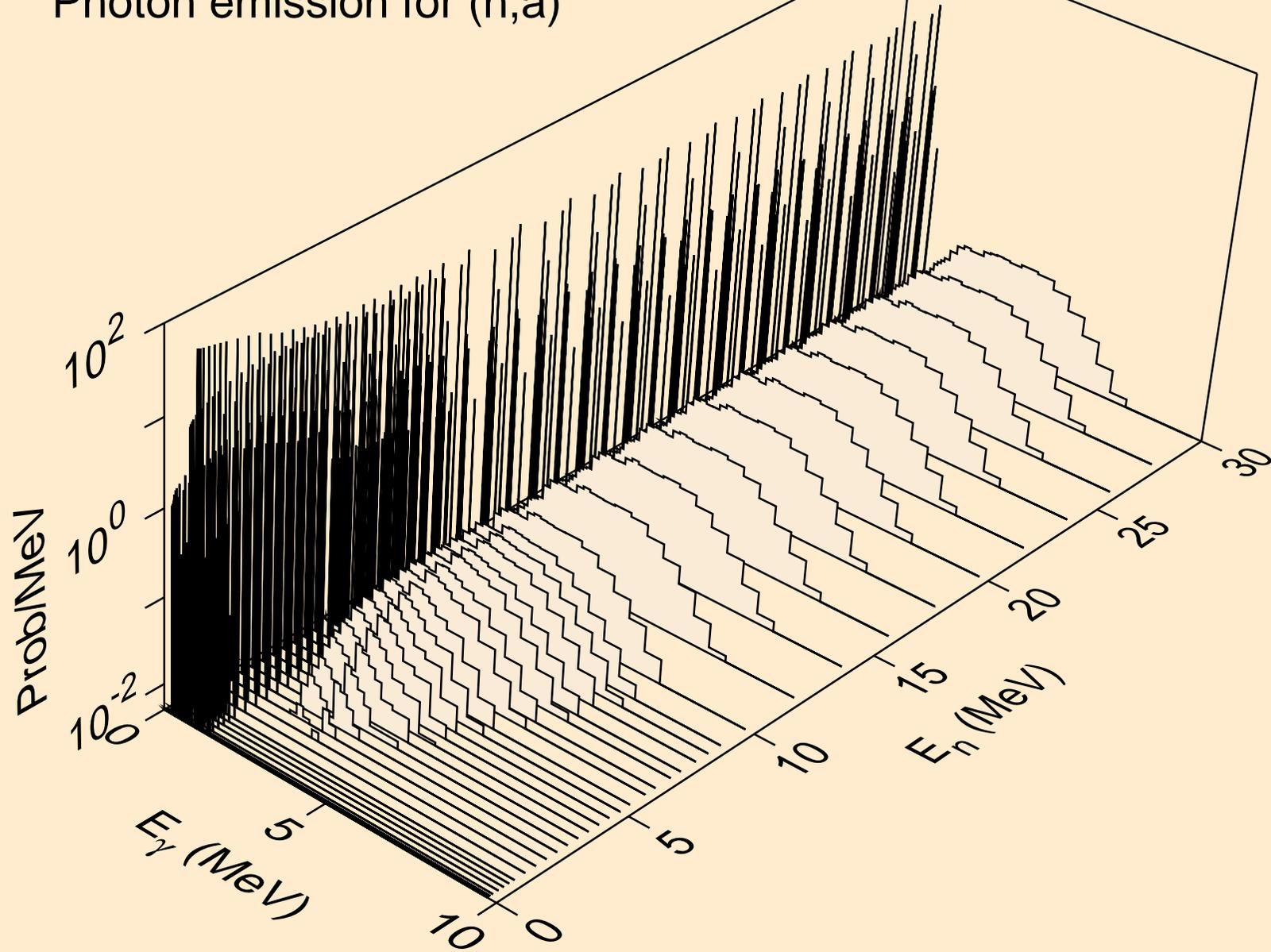SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,d)

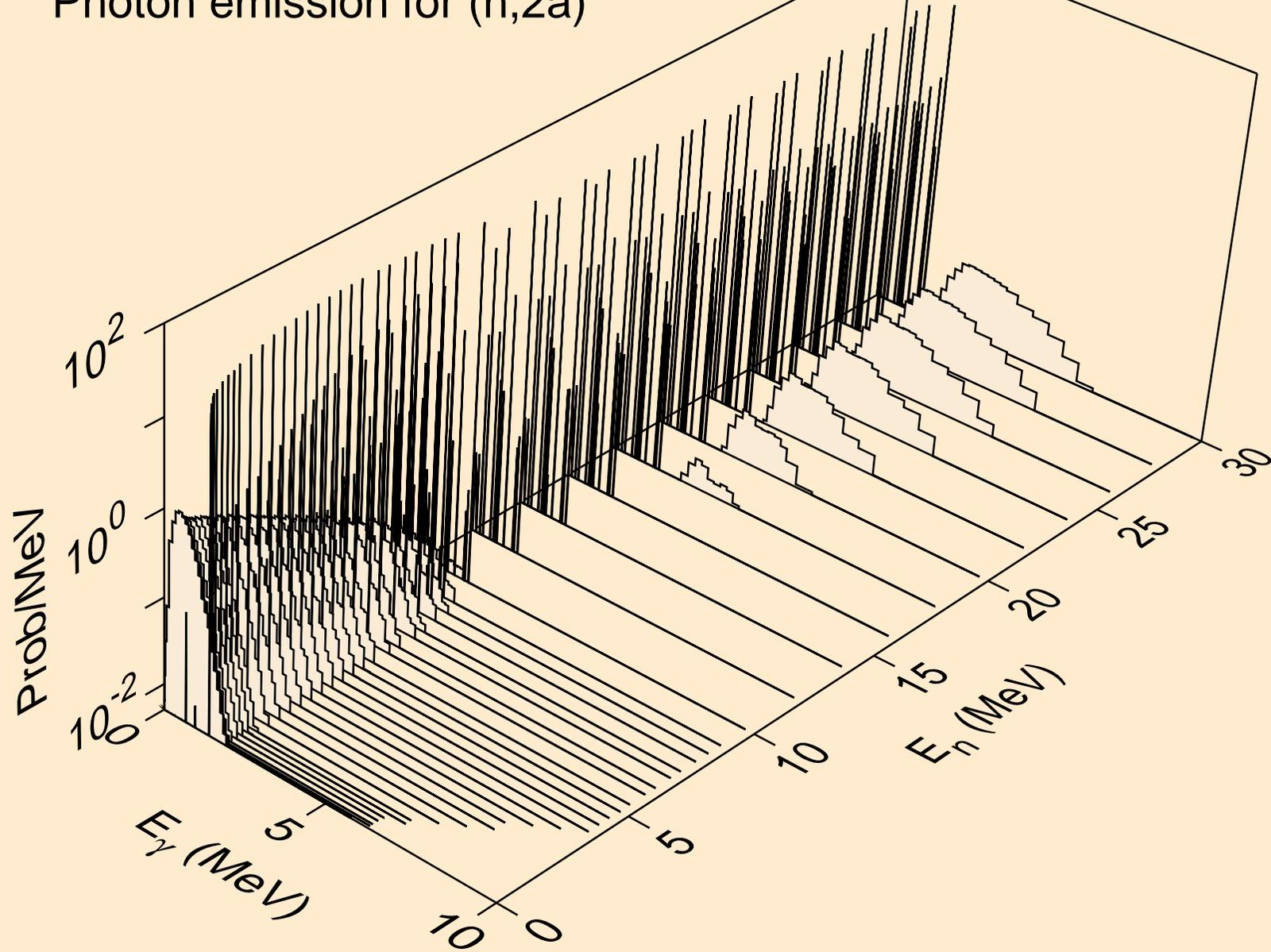SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,t)

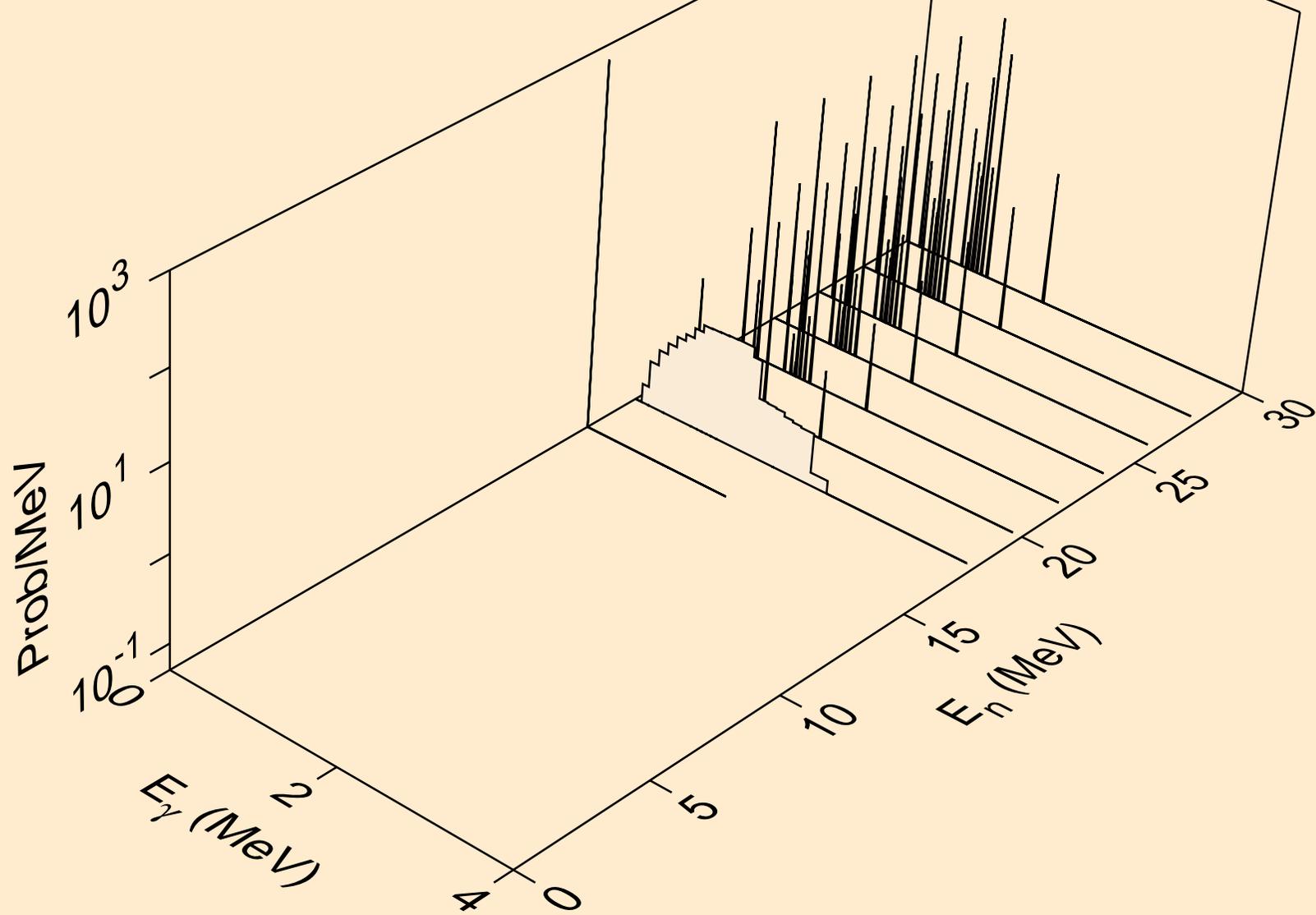SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,he3)

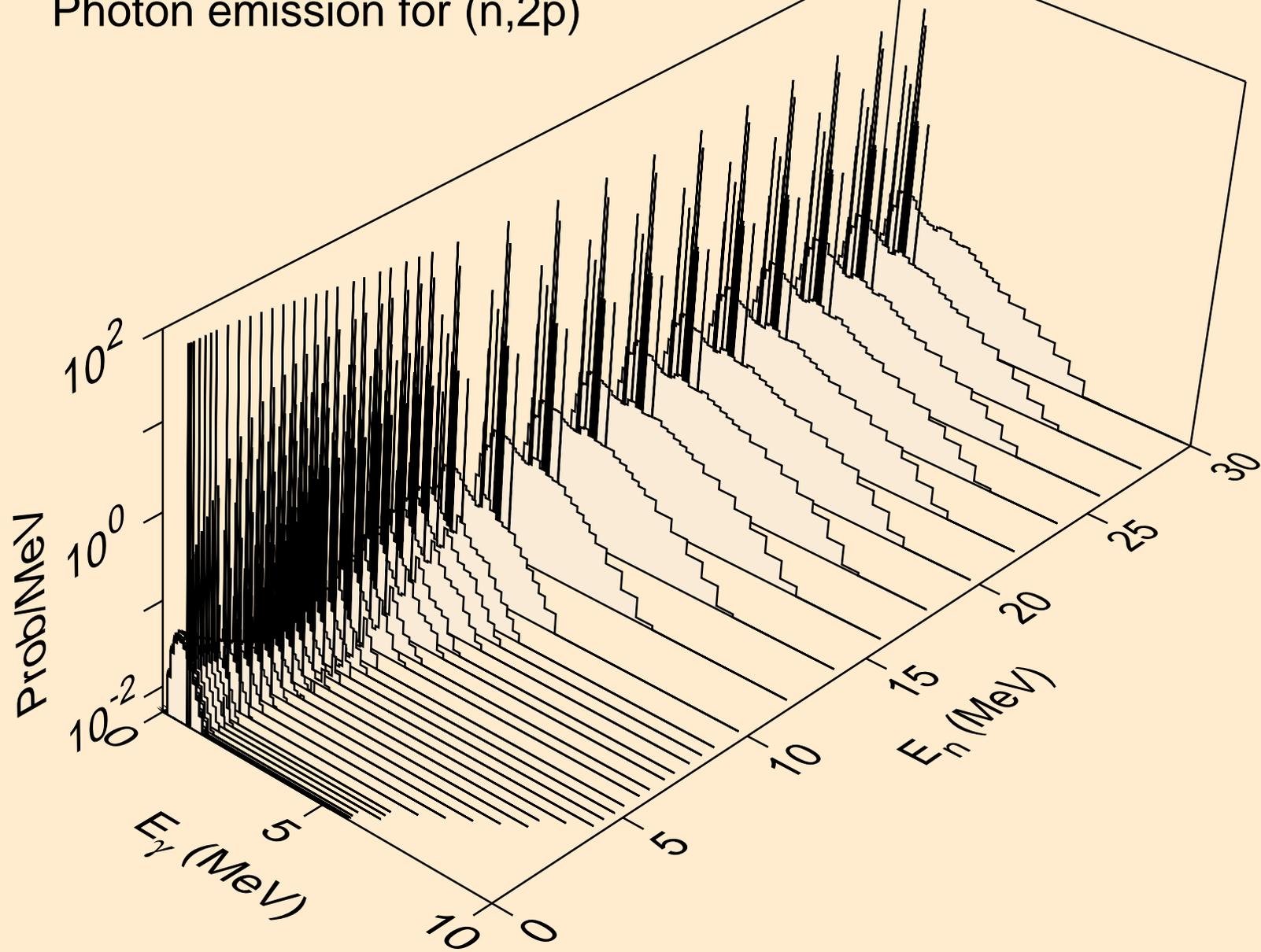SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,a)

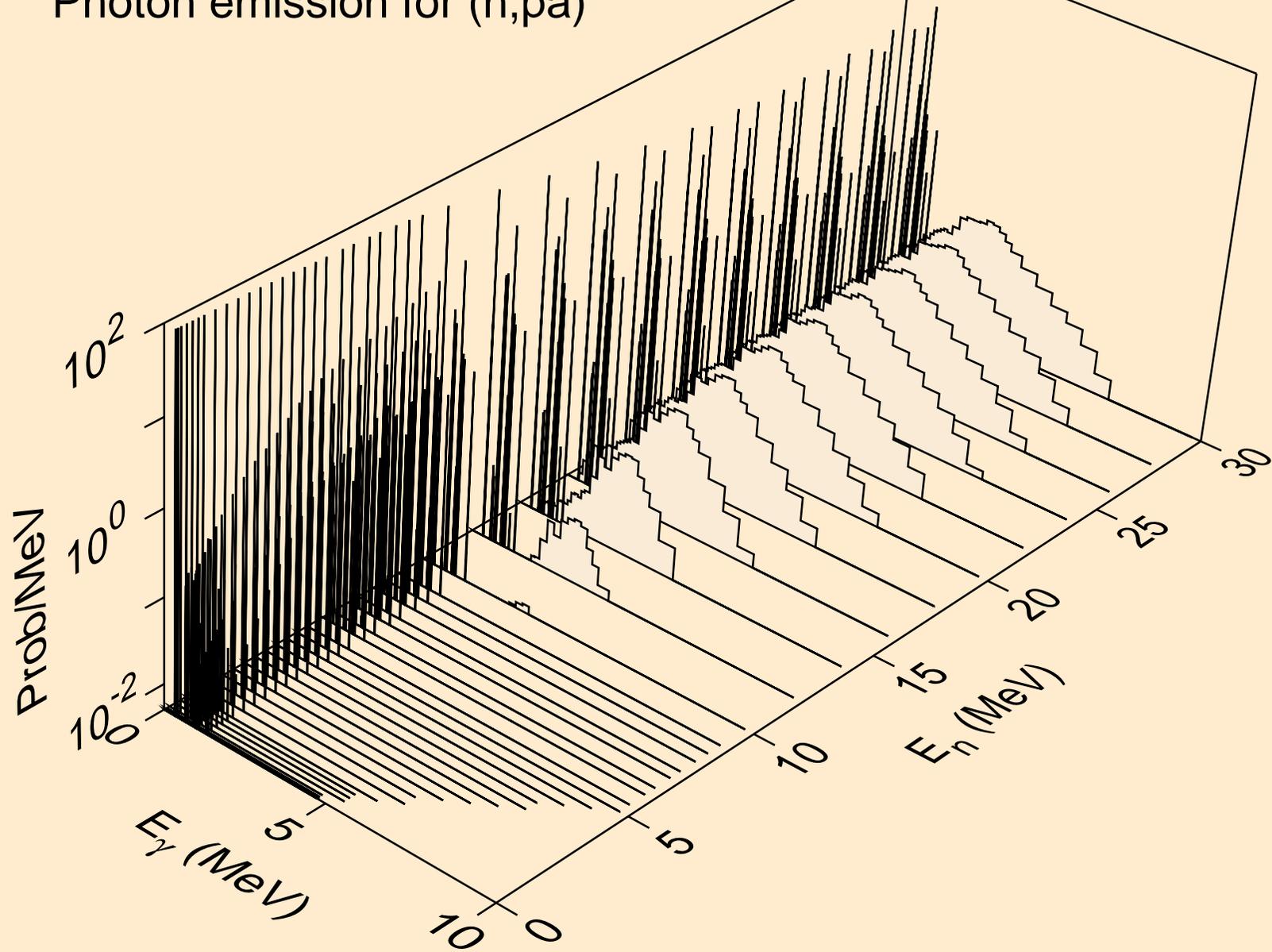SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2a)

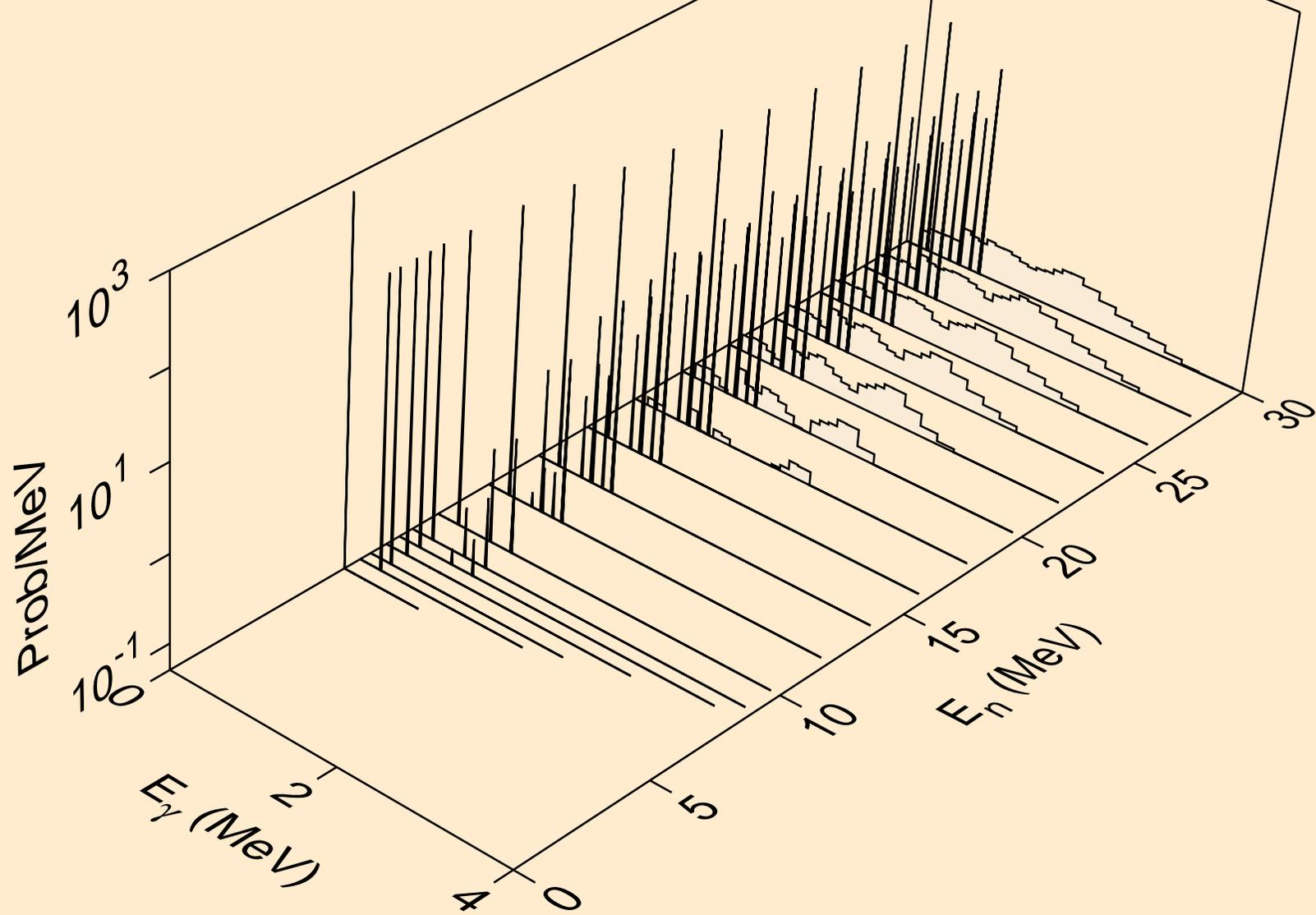SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,3a)

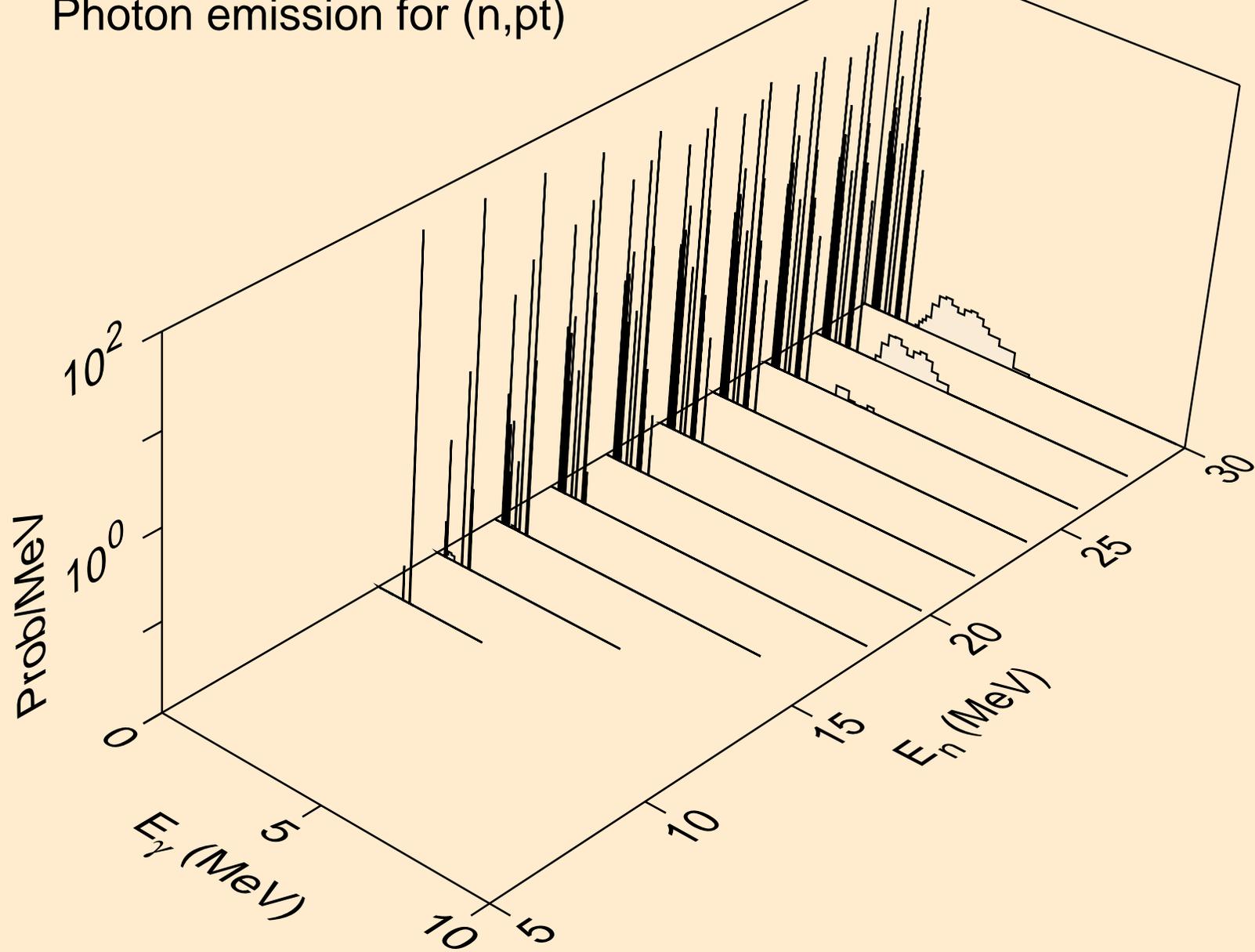SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,2p)

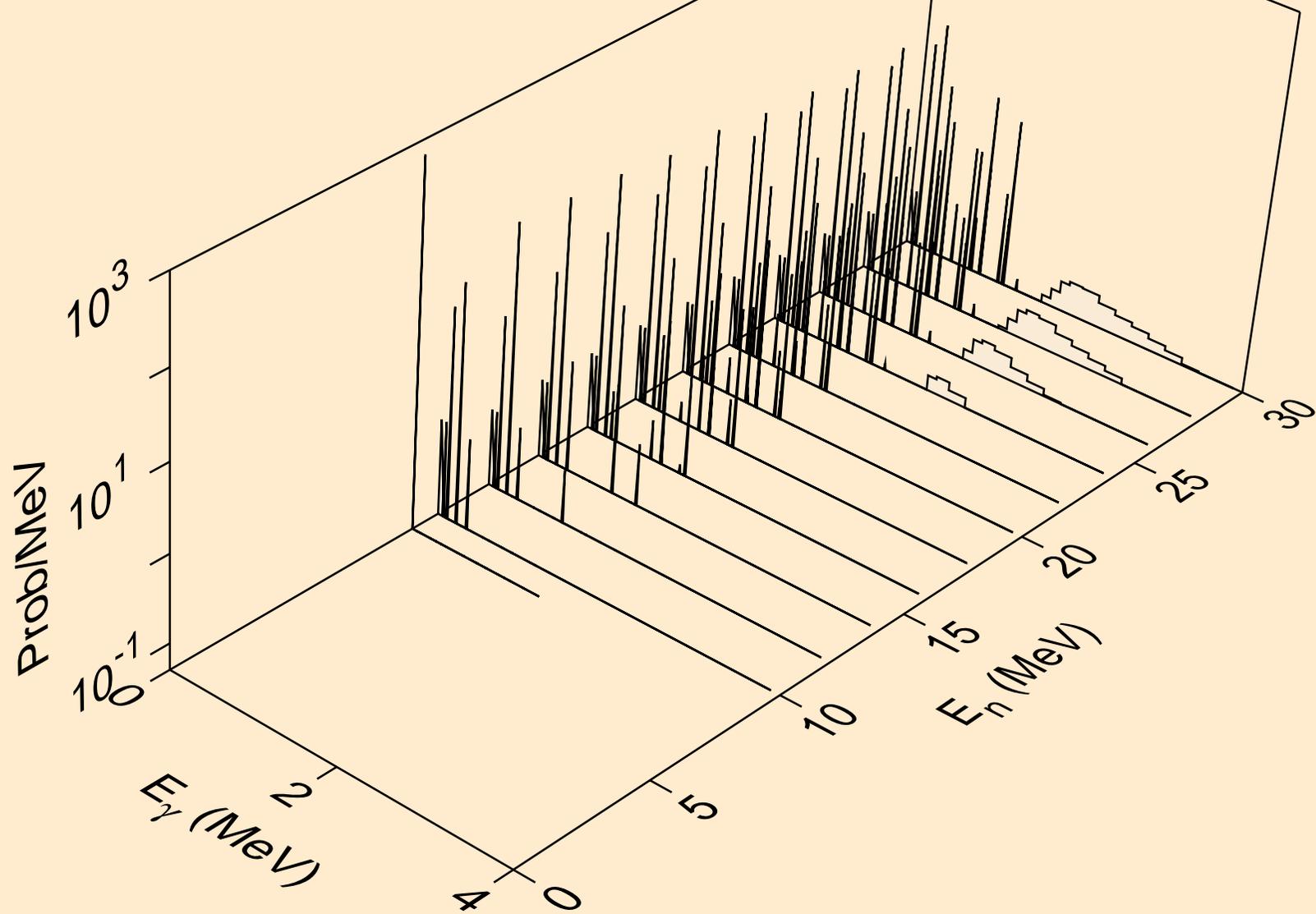SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pa)

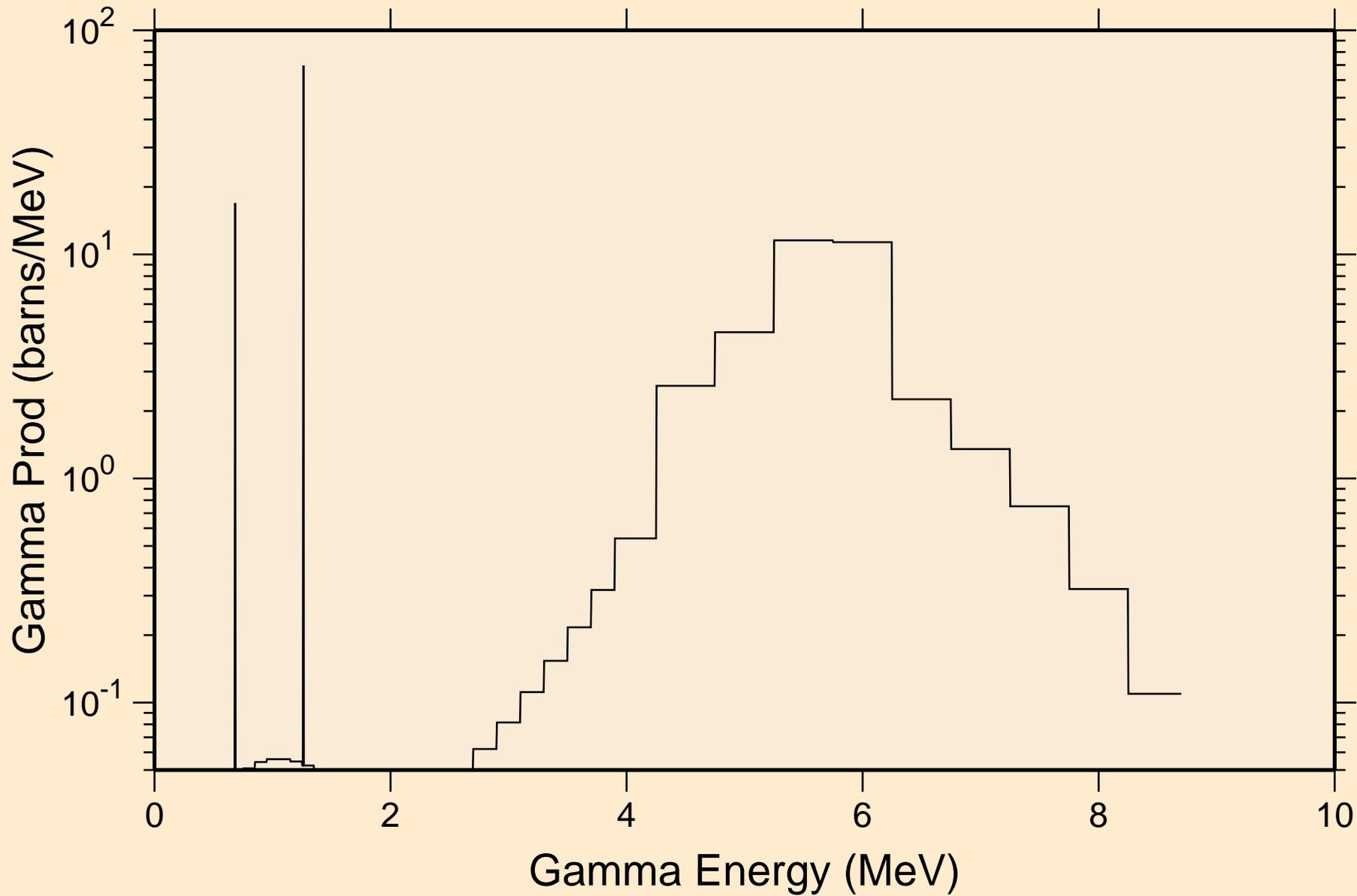SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pd)

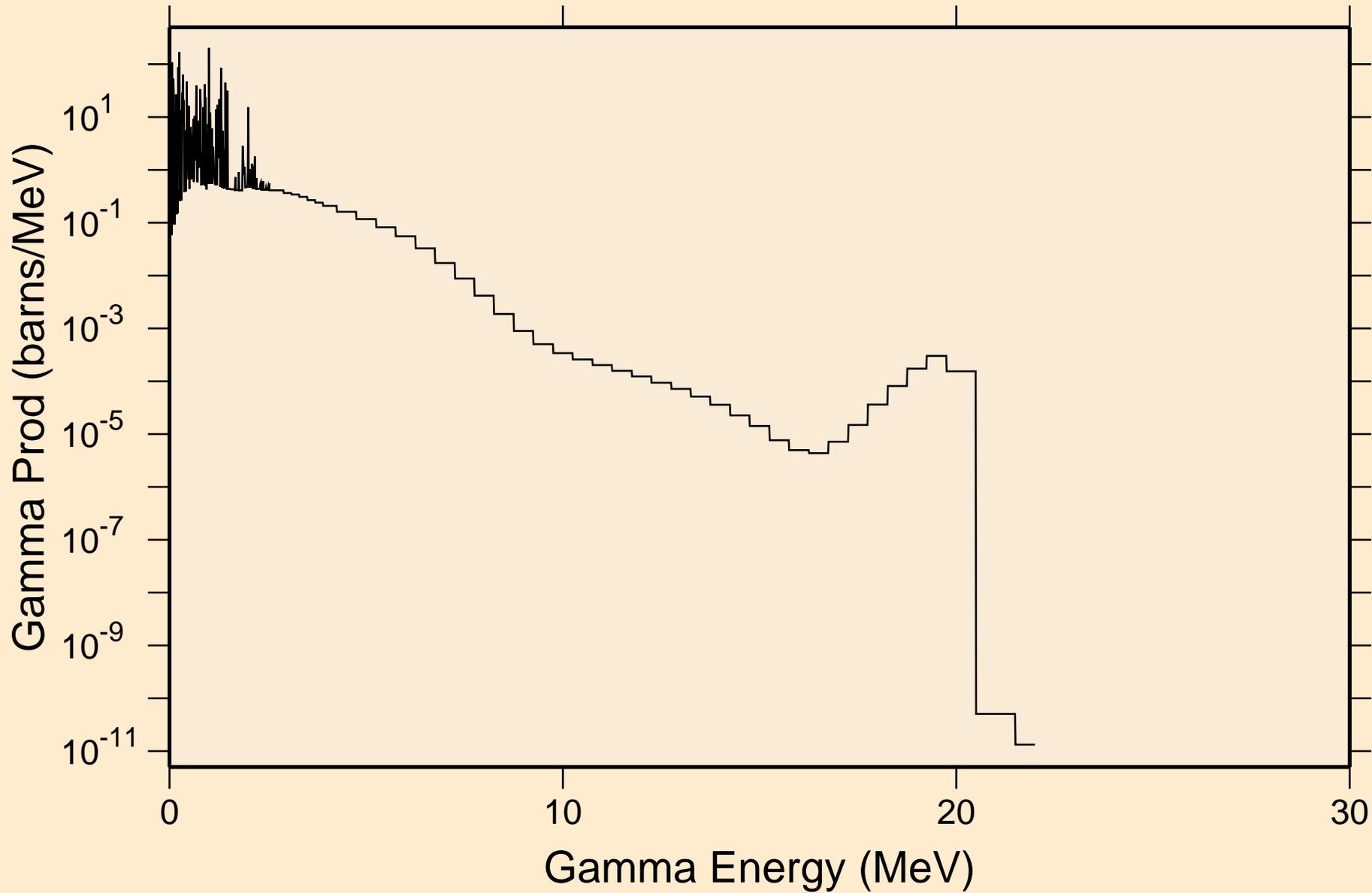SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,pt)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Photon emission for (n,da)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
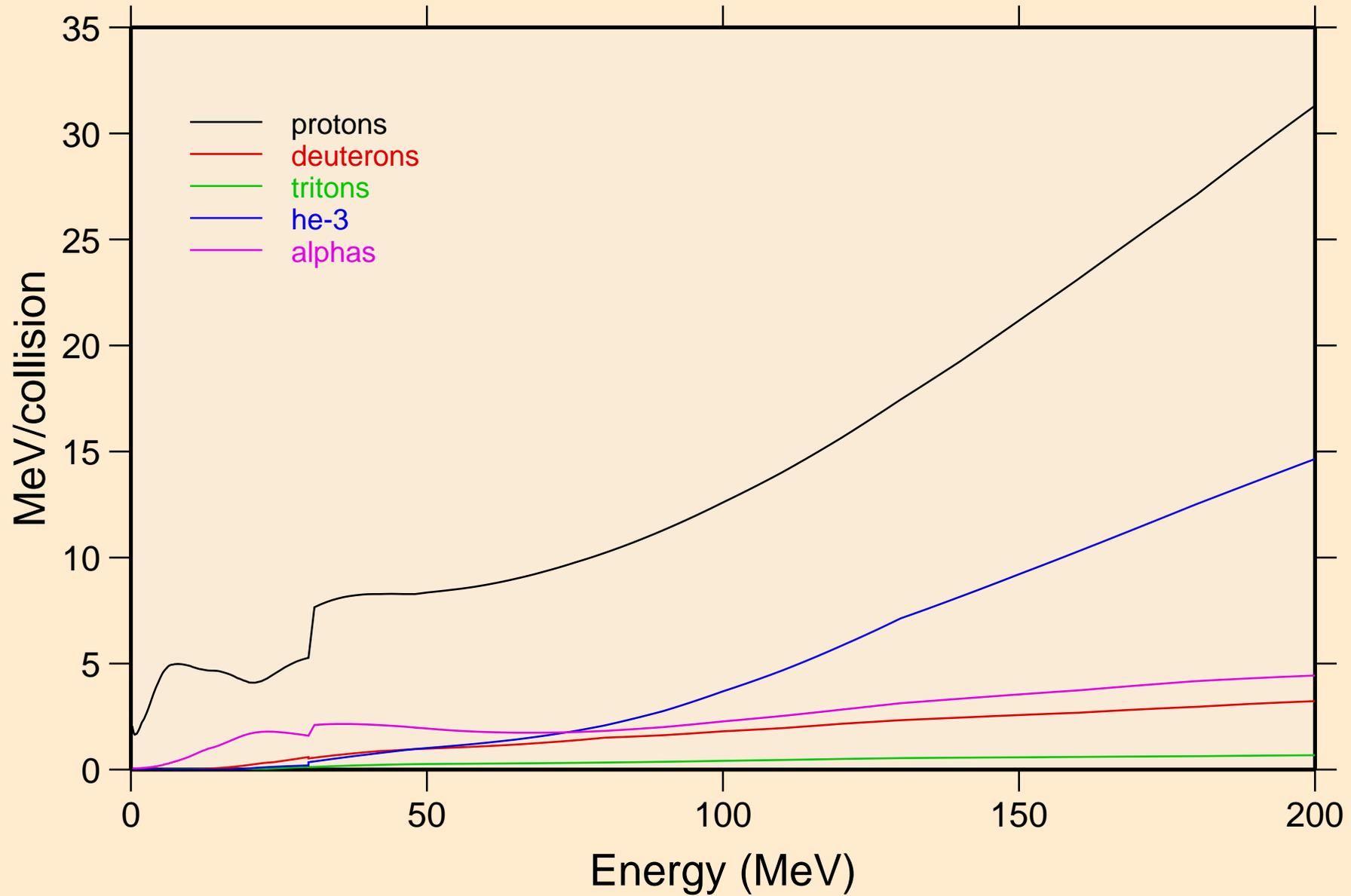thermal capture photon spectrum

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
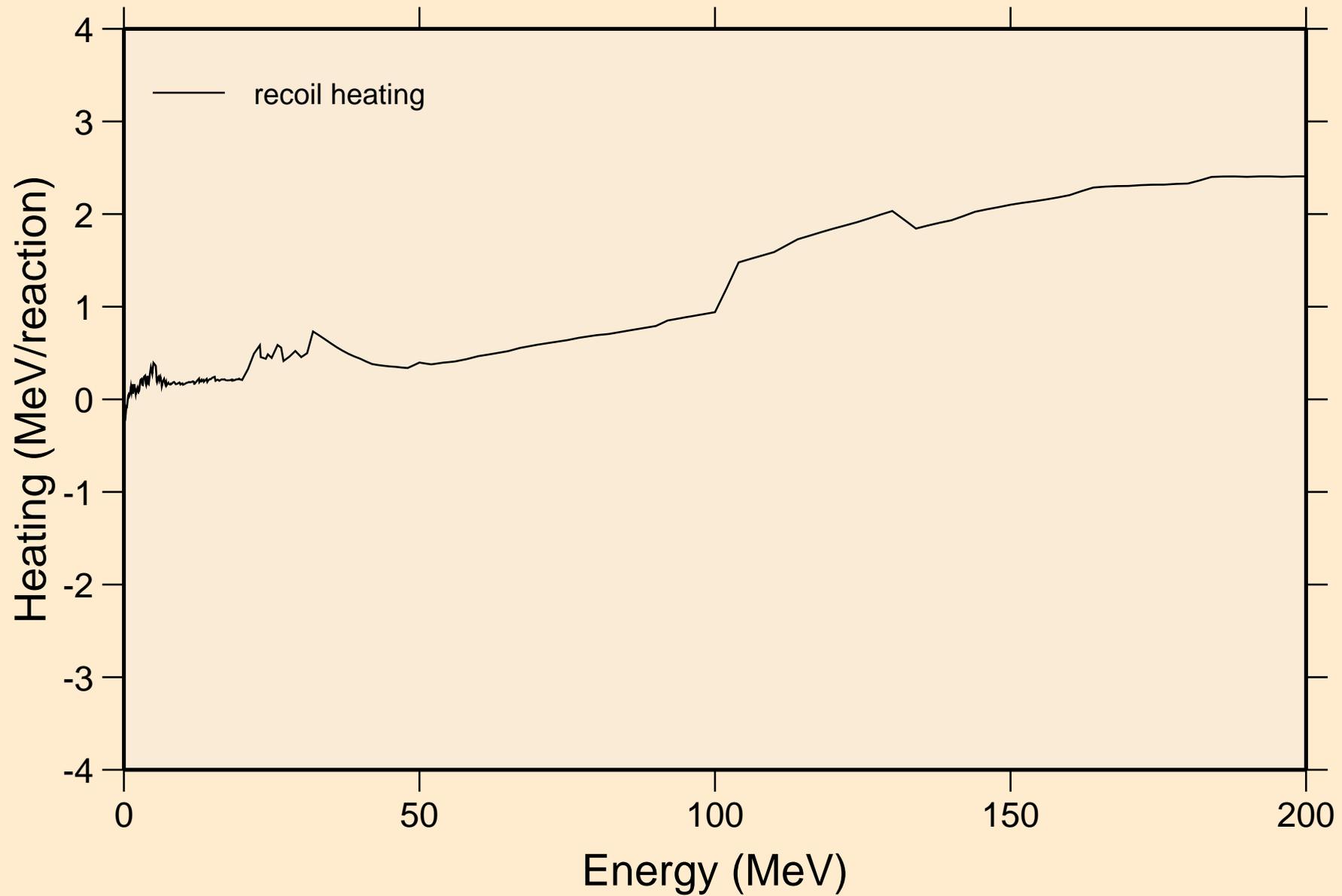14 MeV photon spectrum

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
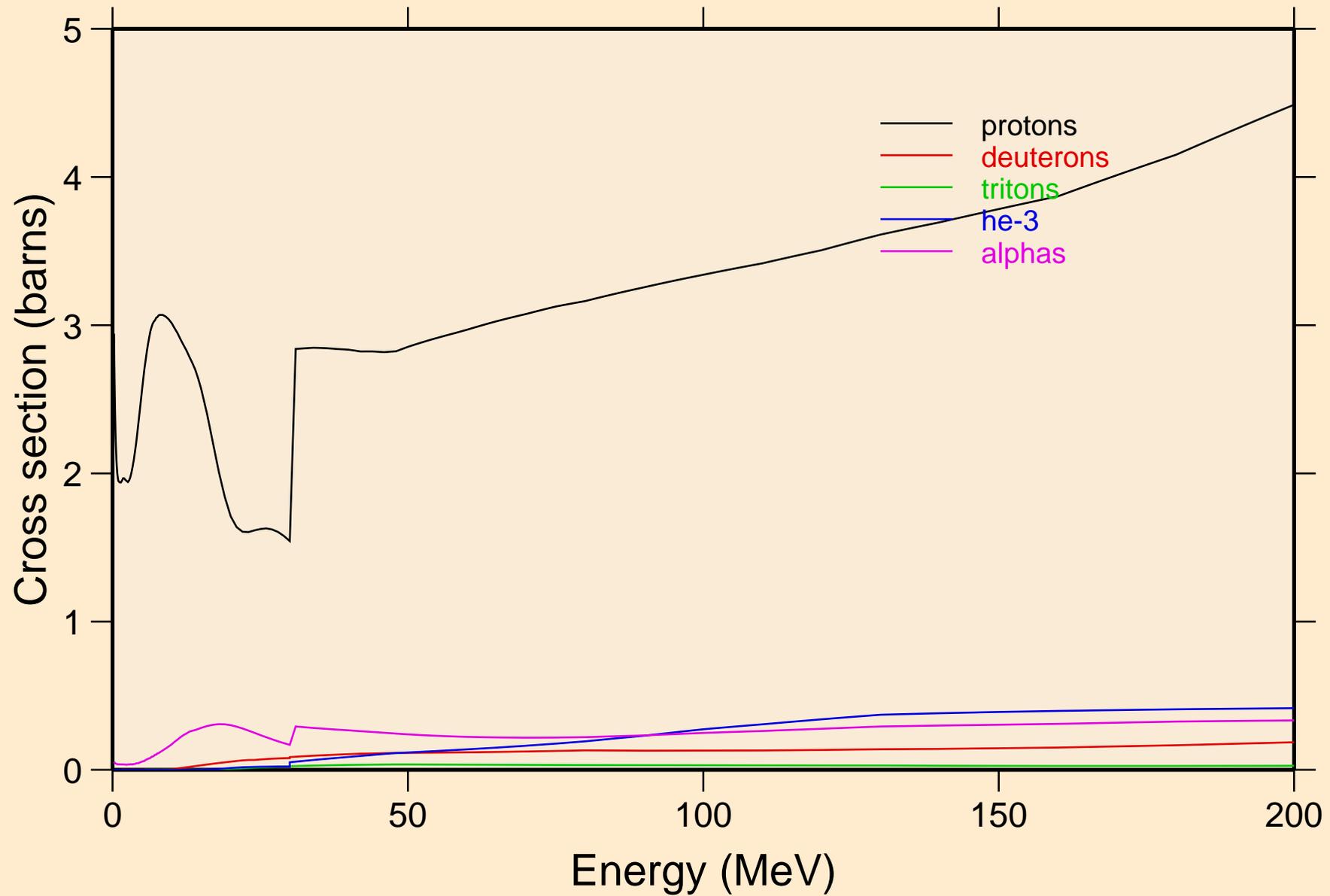Particle heating contributions

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
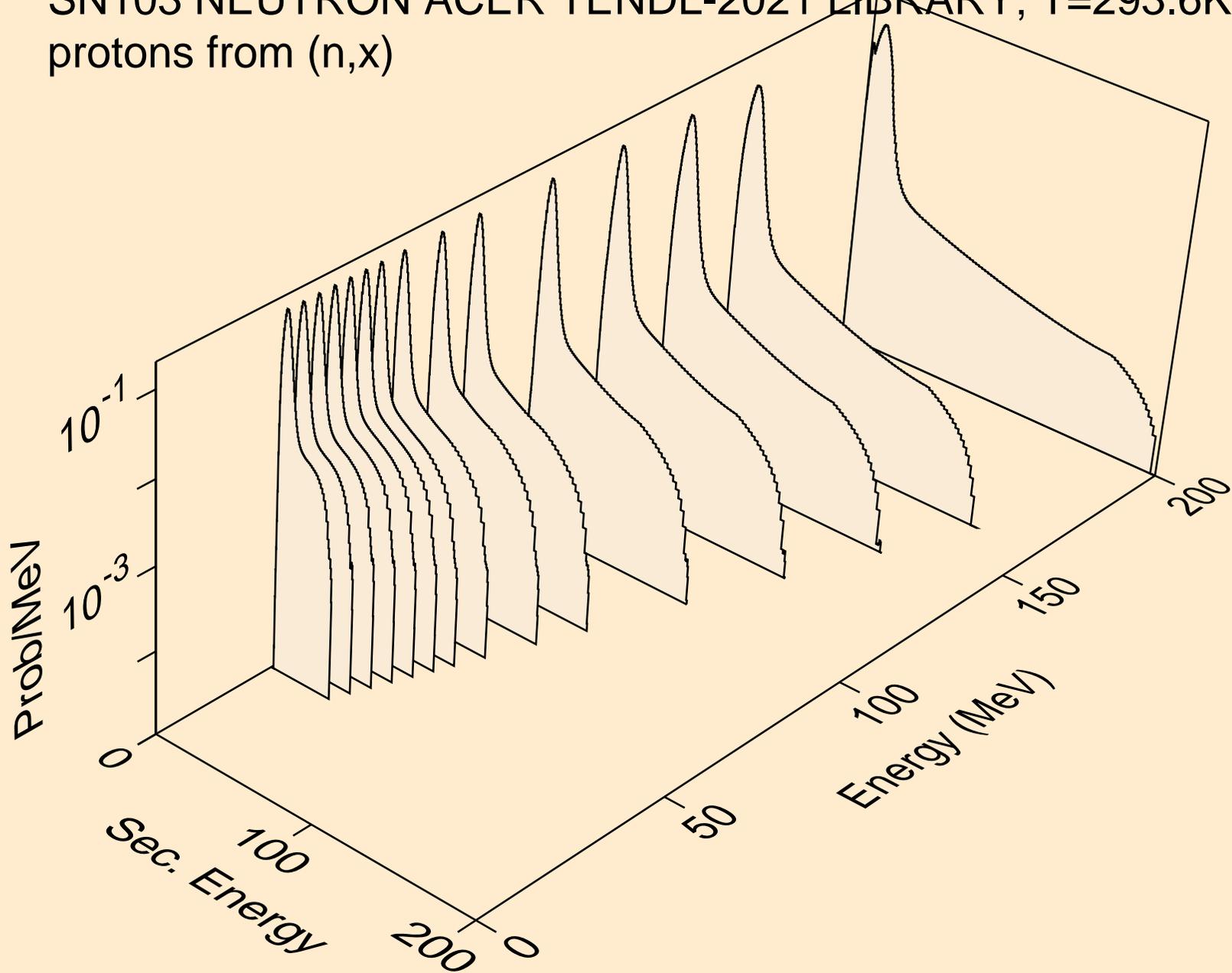Recoil Heating

recoil heating

Heating (MeV/reaction)

Energy (MeV)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
Particle production cross sections

protons
deuterons
tritons
he-3
alphas

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
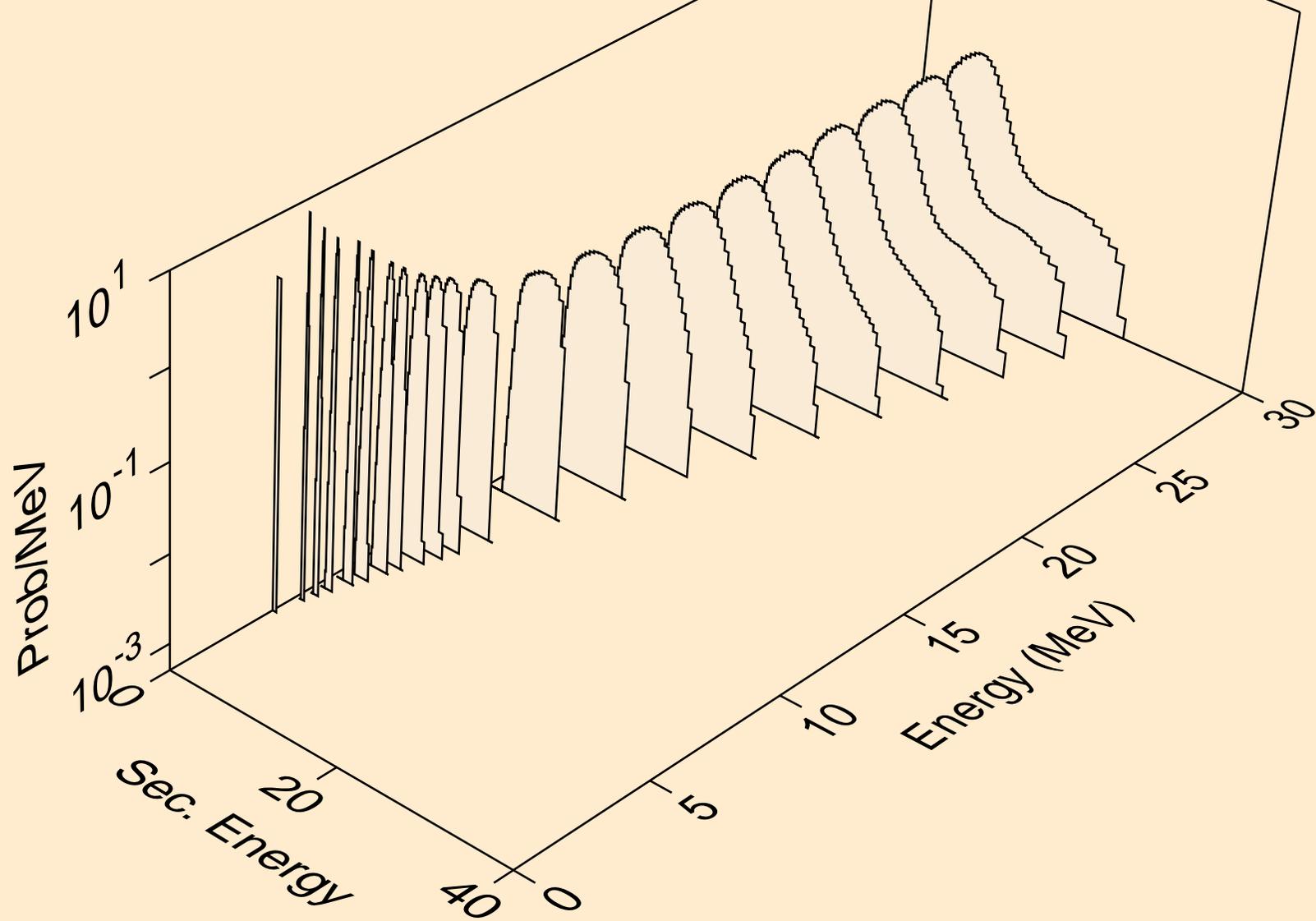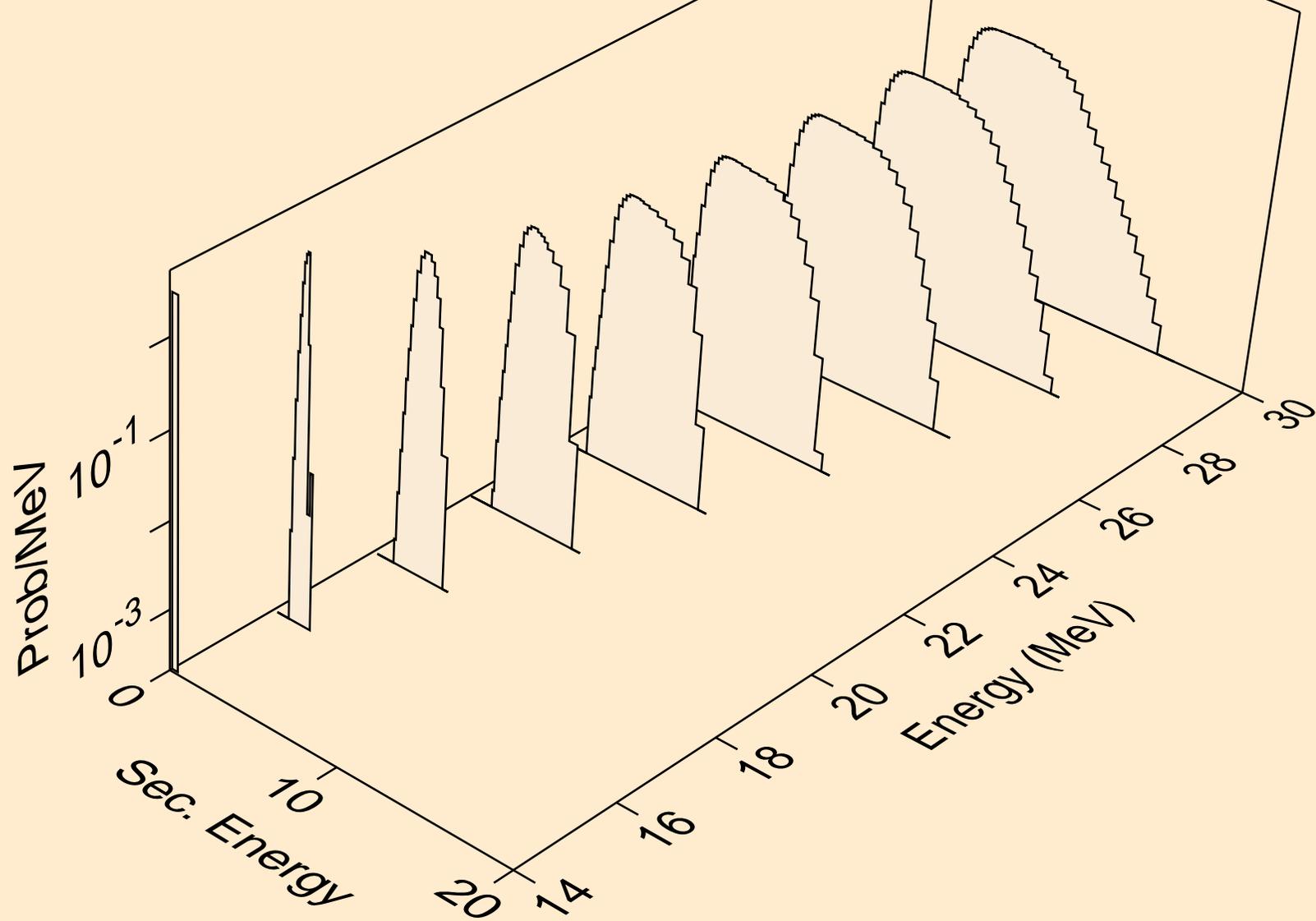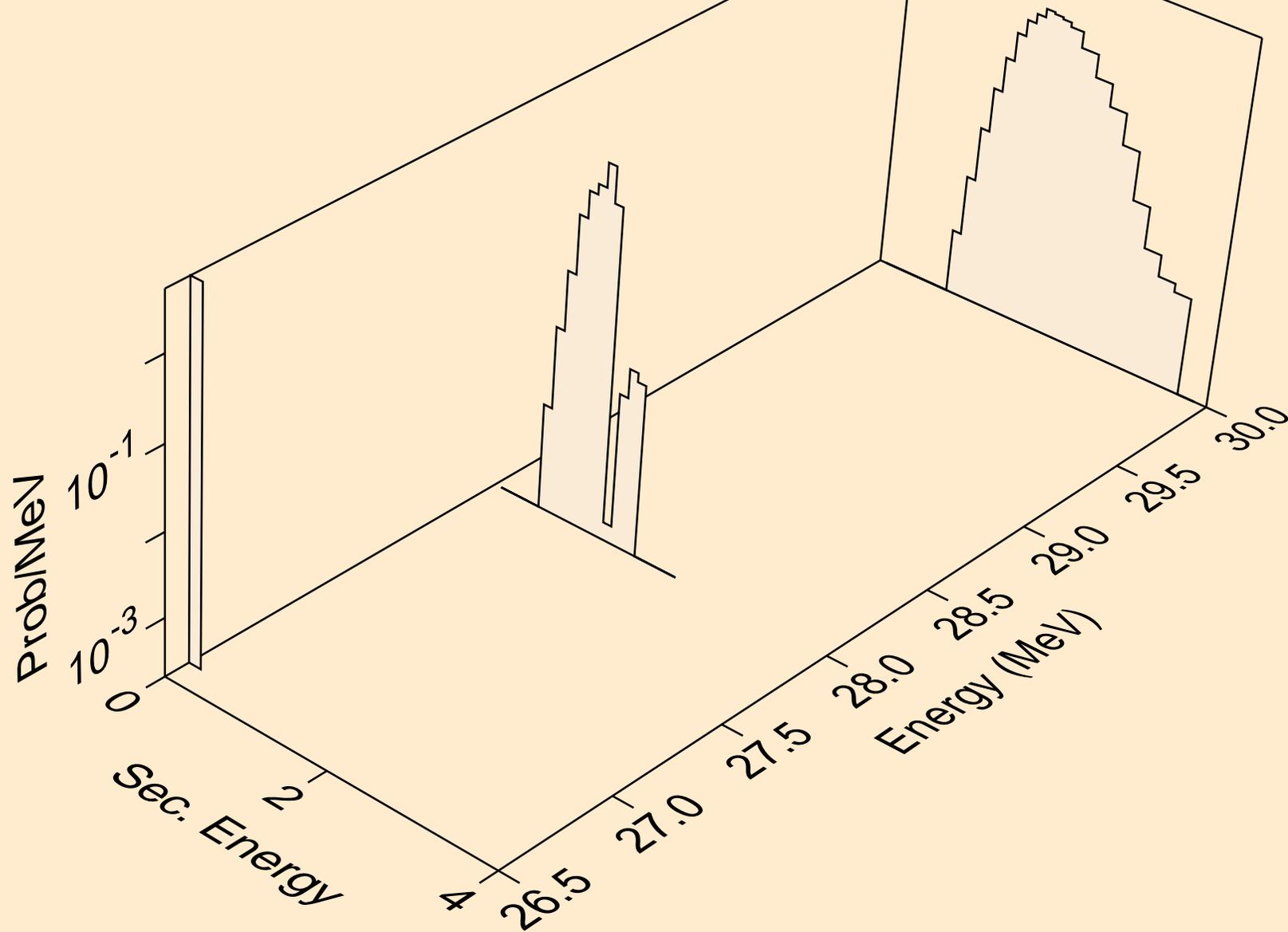protons from (n,x)

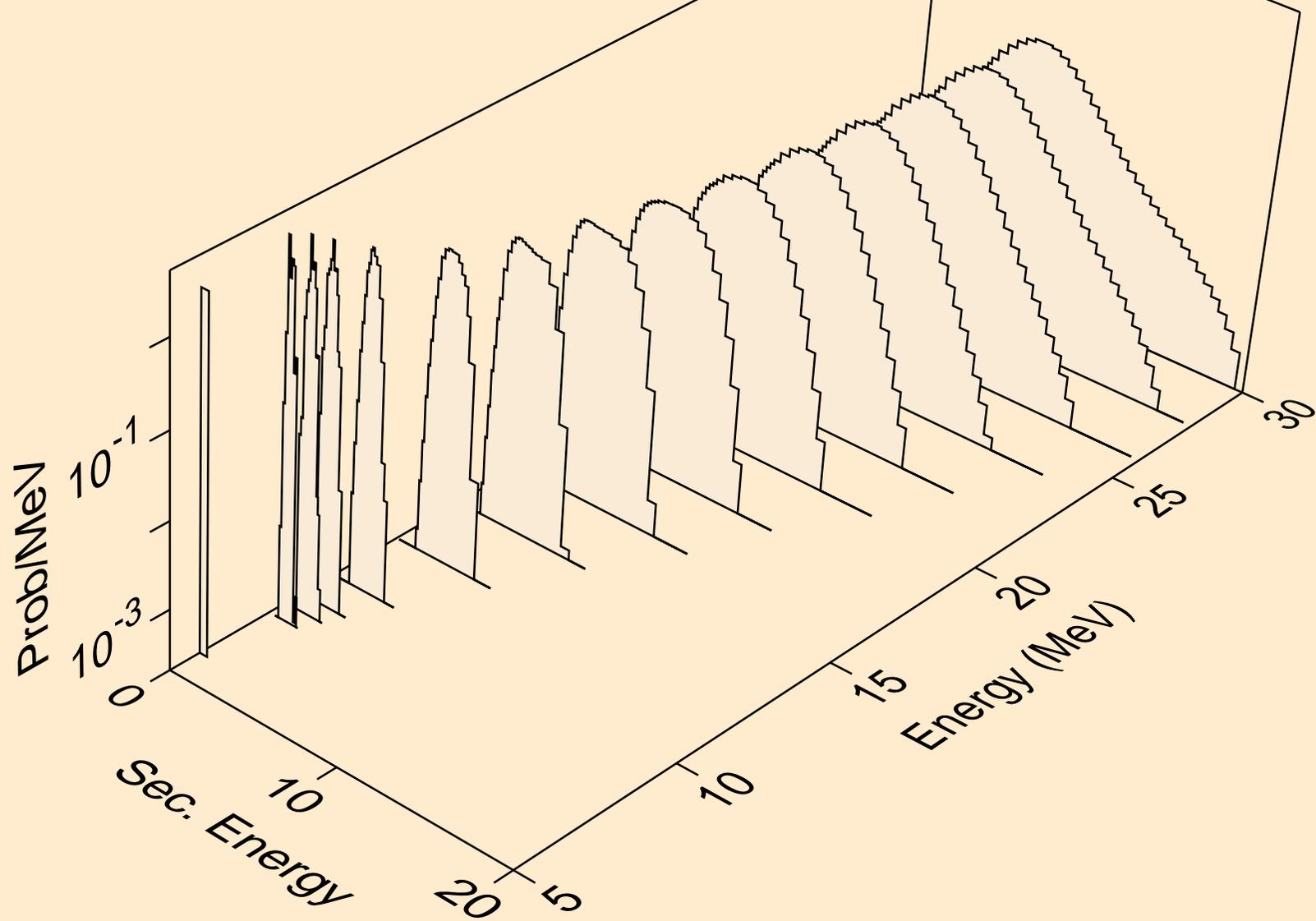SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,n*)p

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
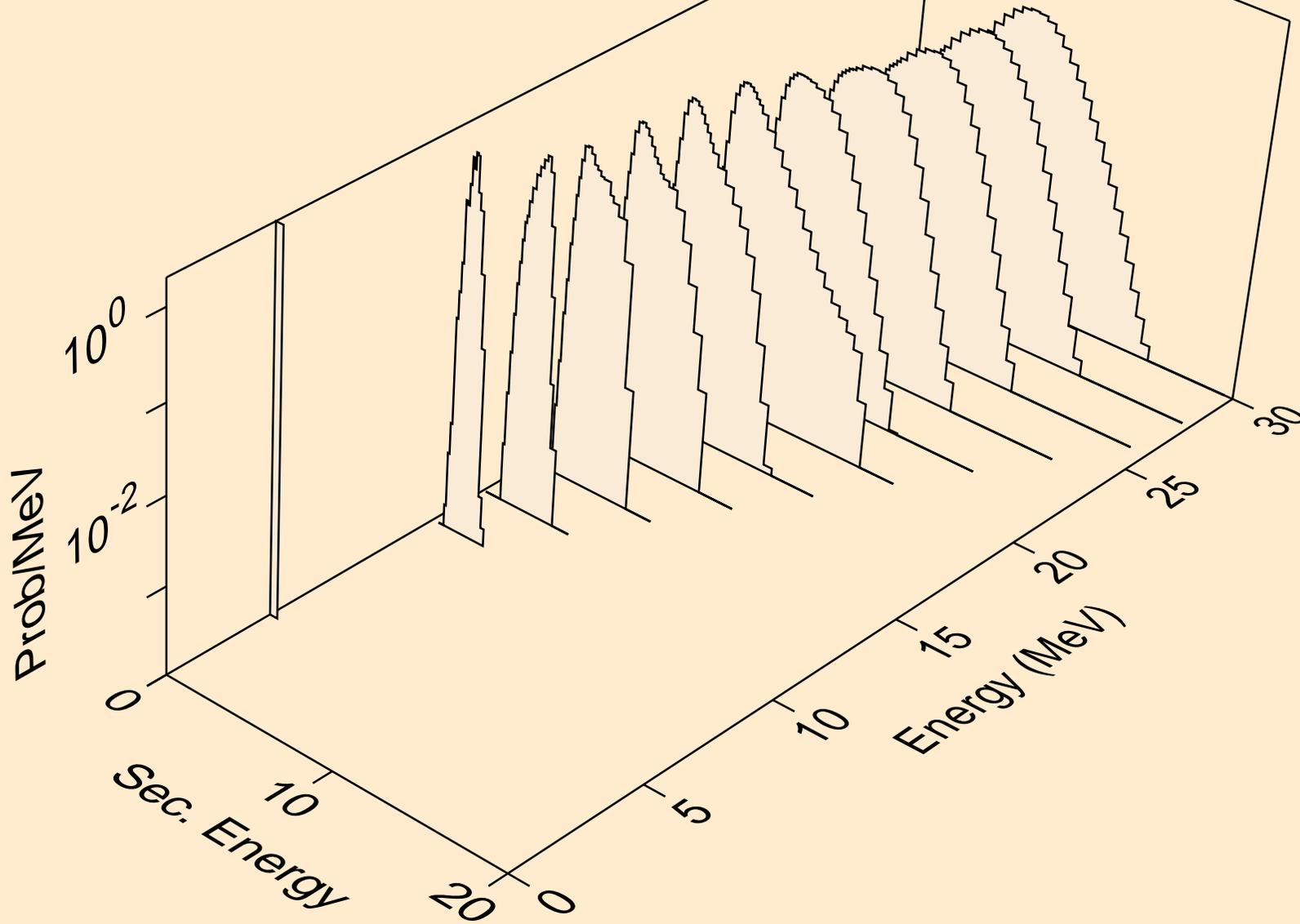protons from (n,2np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
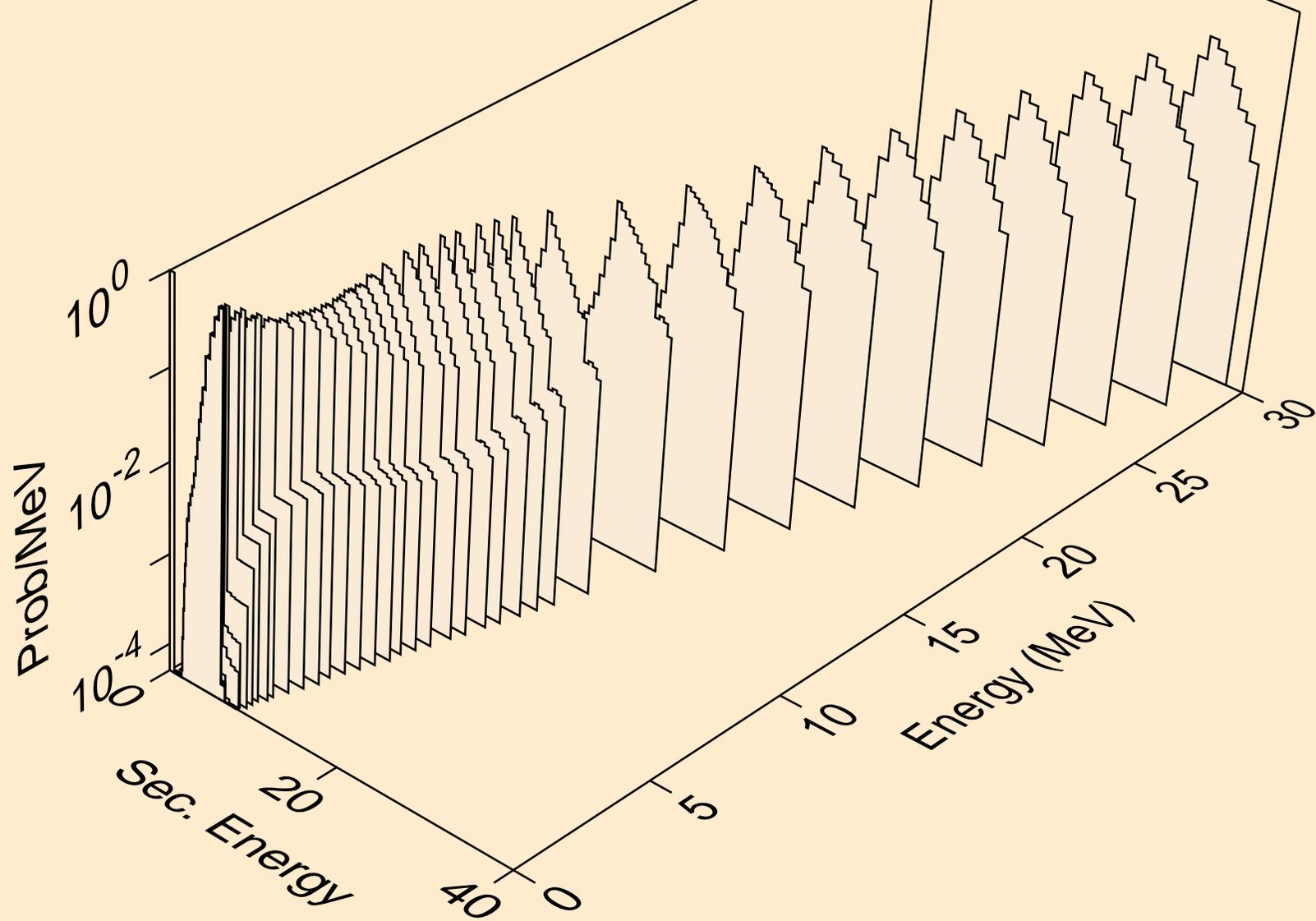protons from (n,3np)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
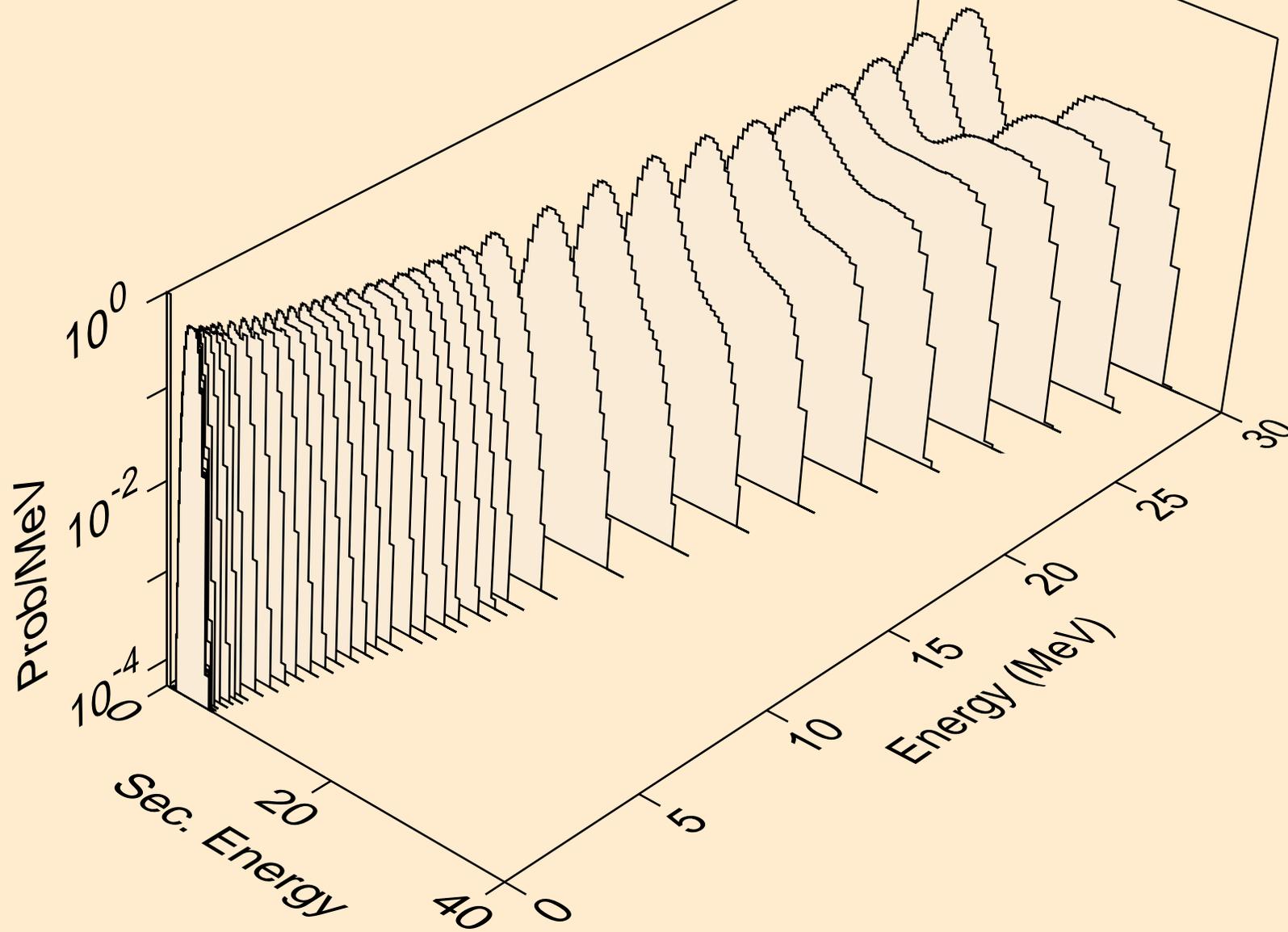protons from (n,2np)

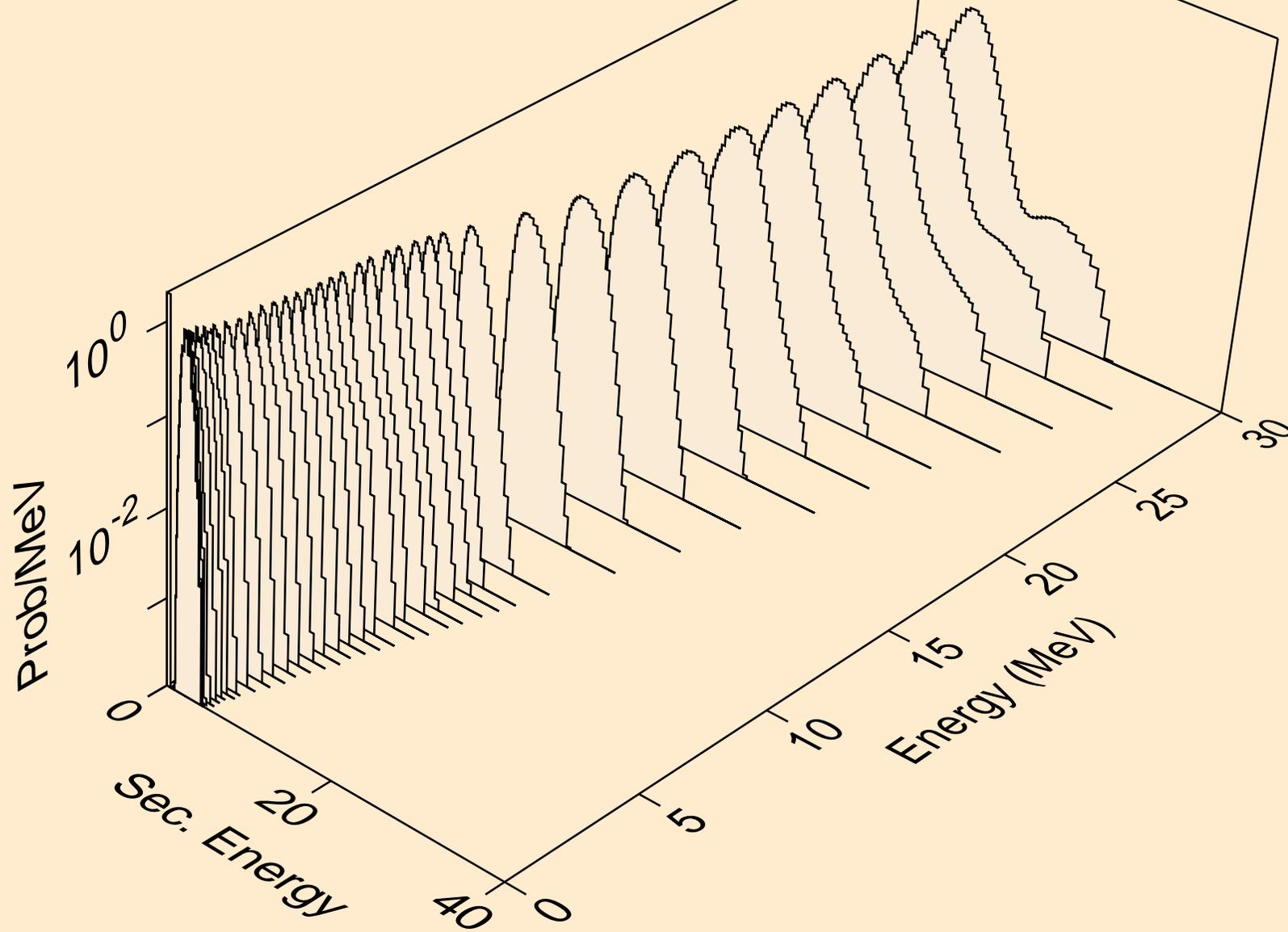SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
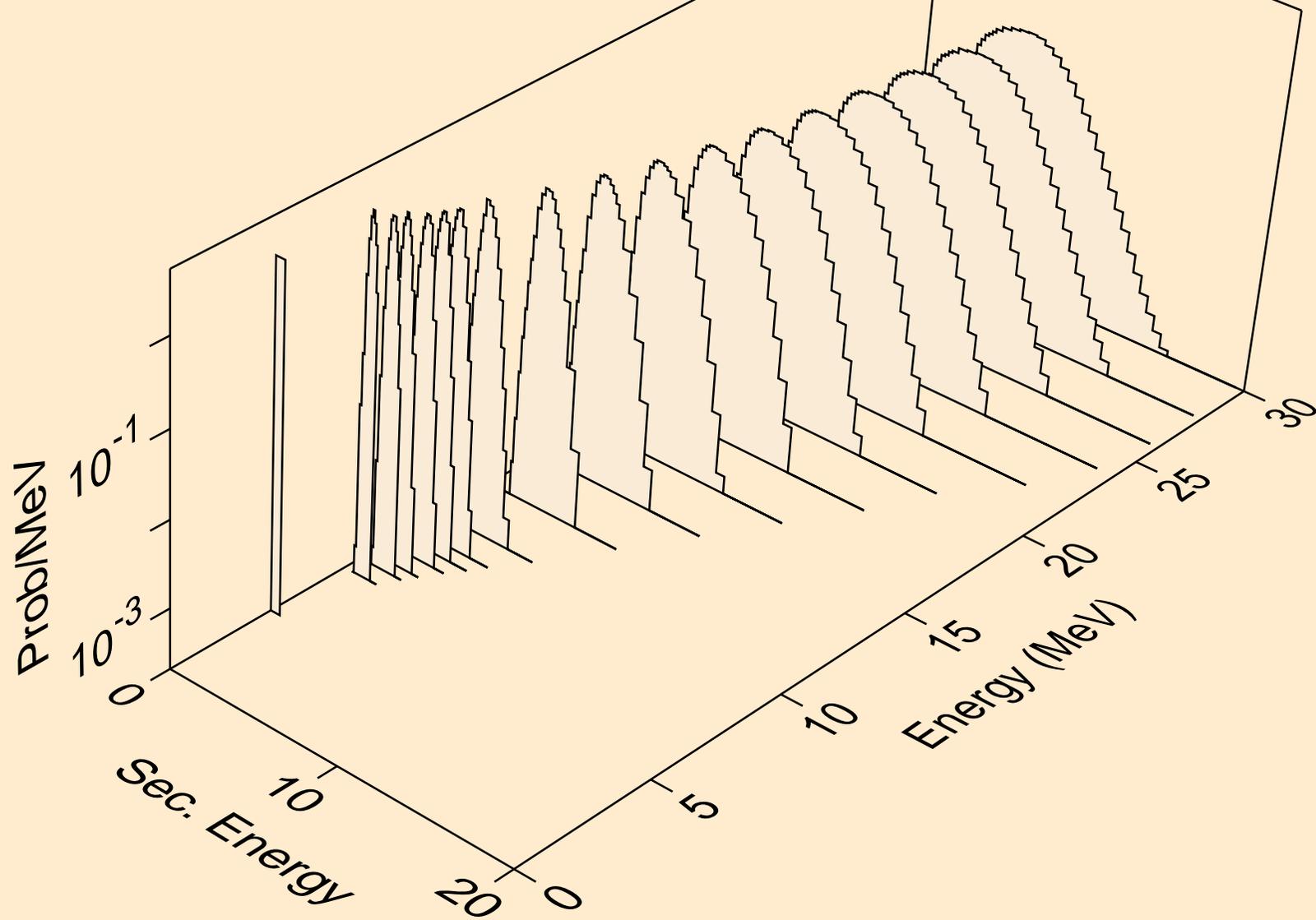protons from (n,npa)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,p)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,2p)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
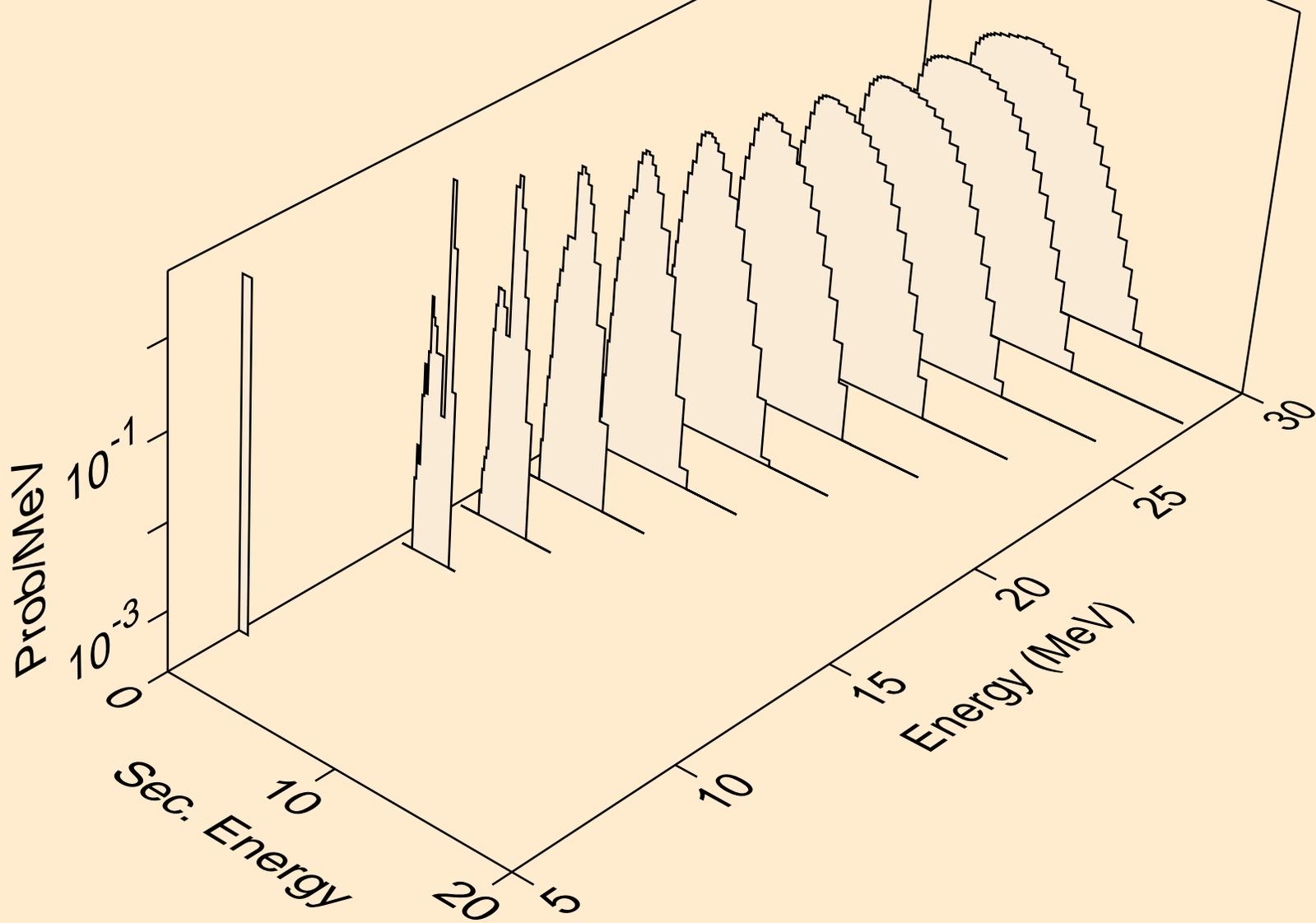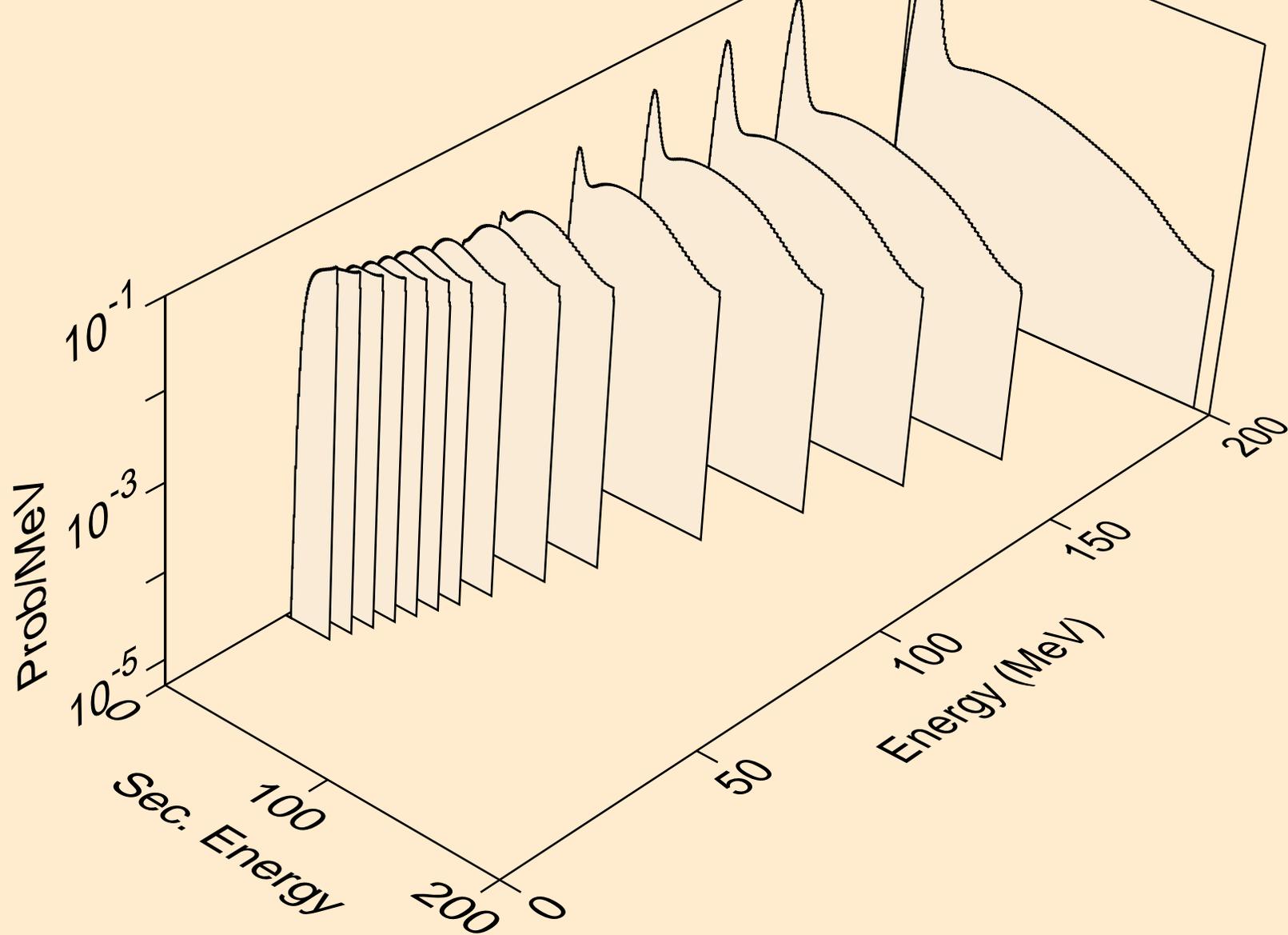protons from (n,pa)

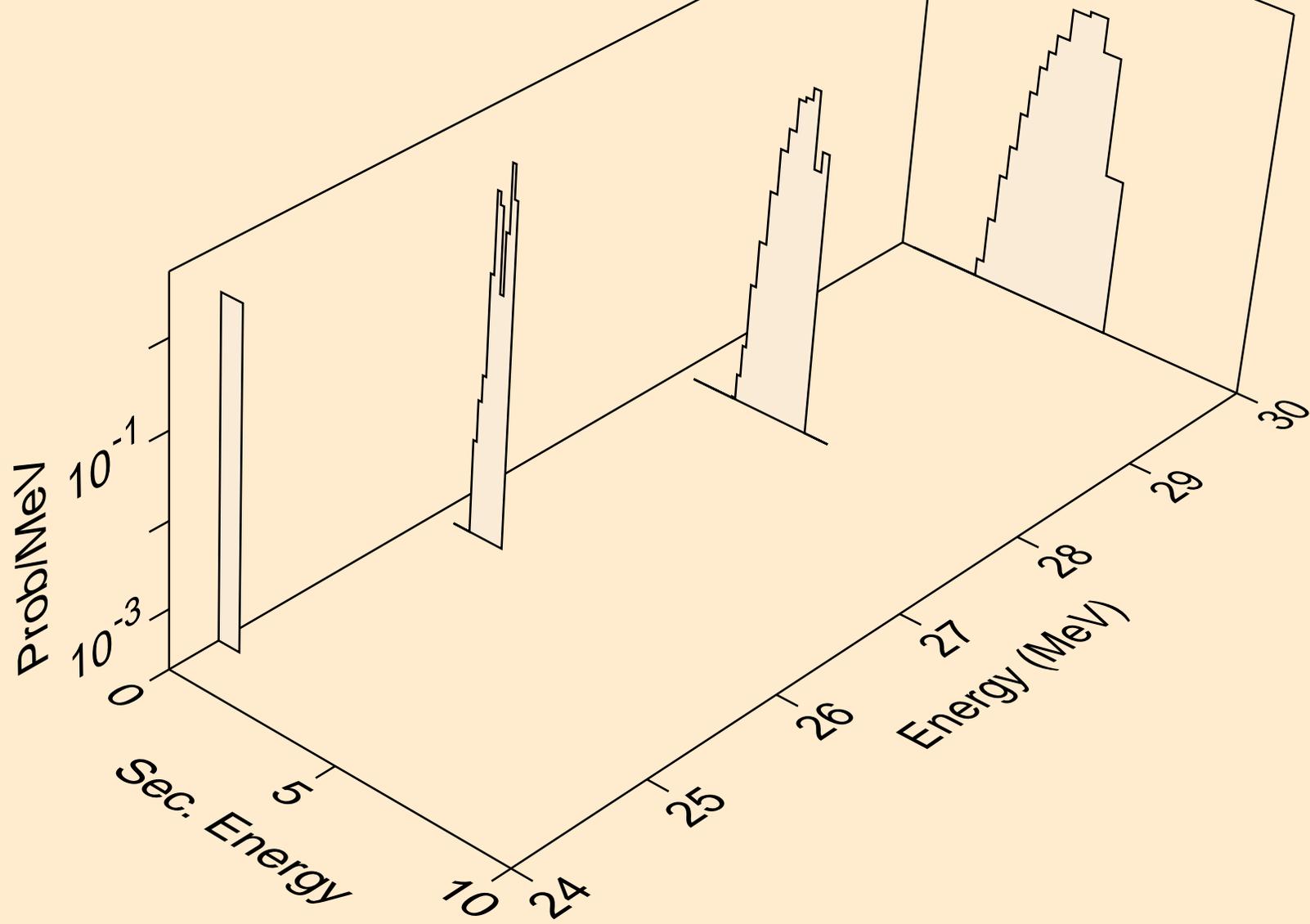SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pd)

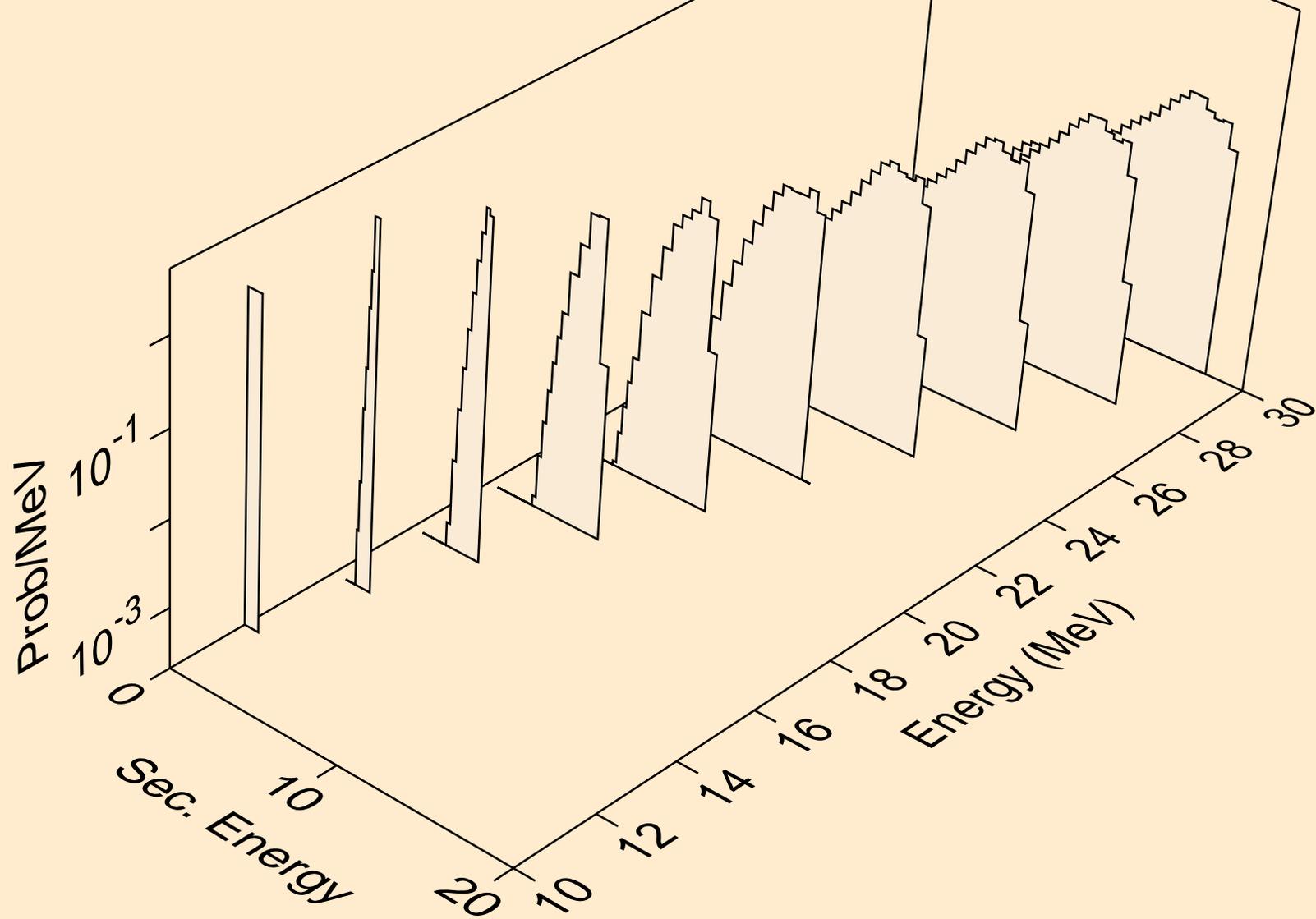SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
protons from (n,pt)

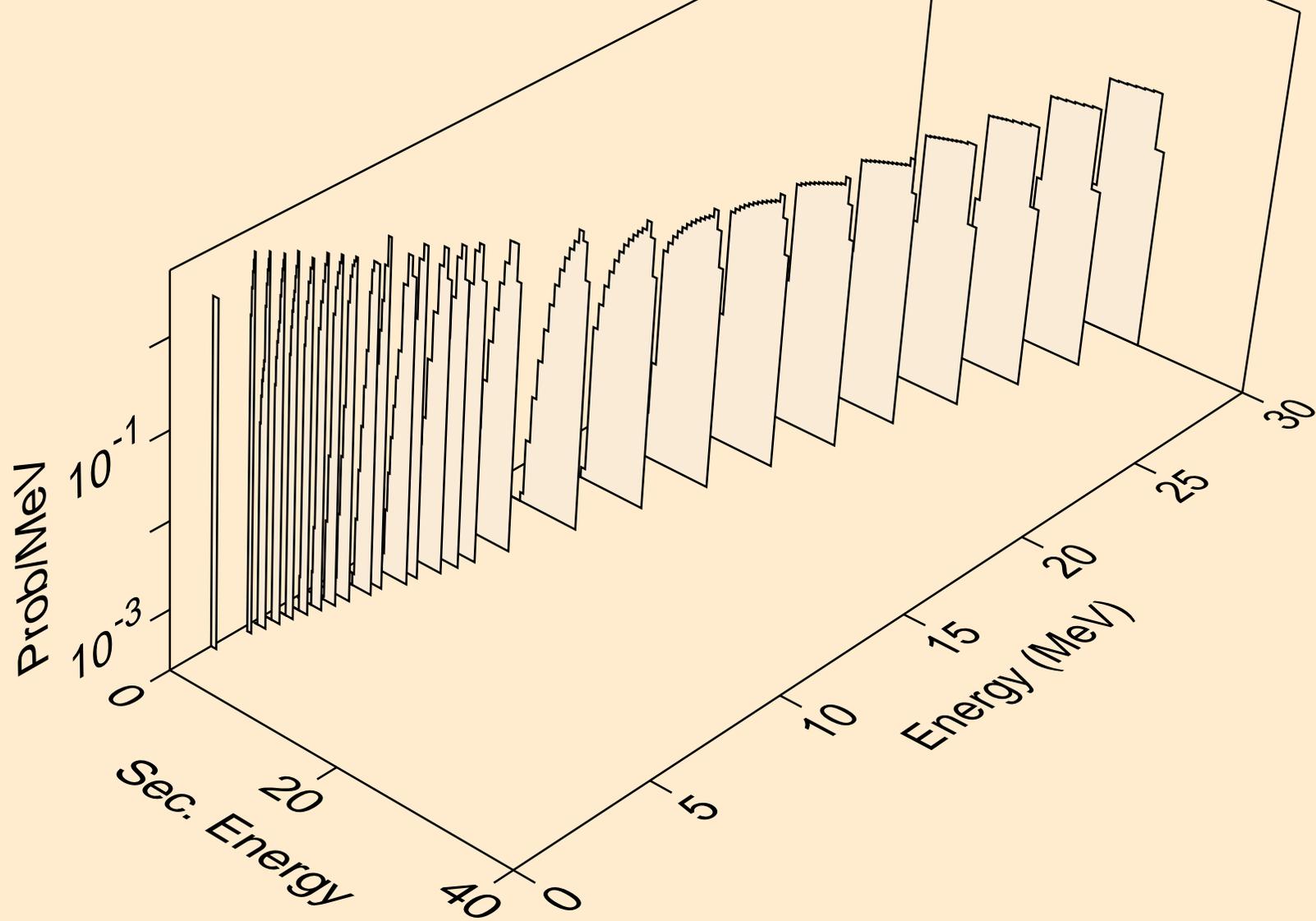SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,x)

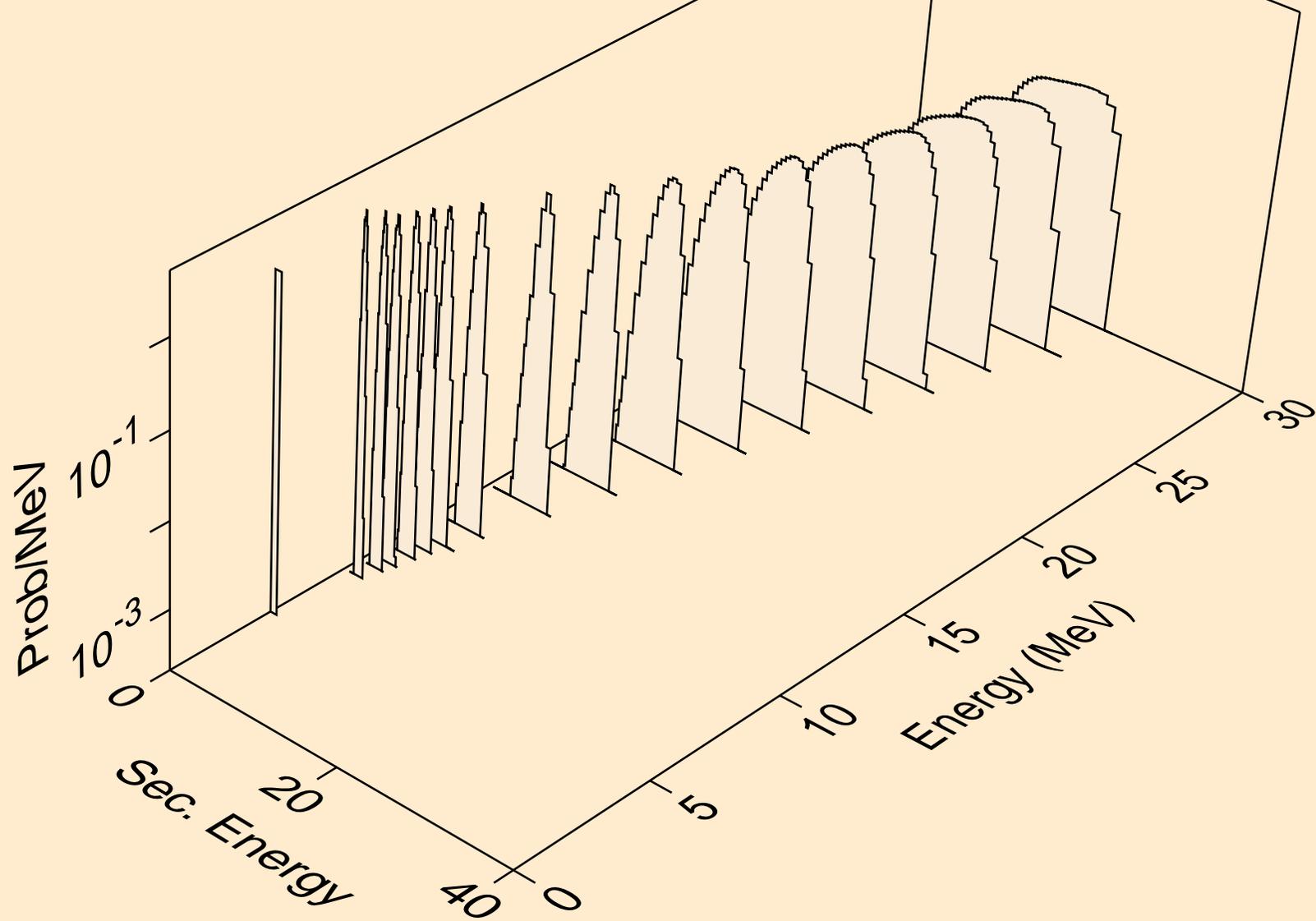SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,2nd)

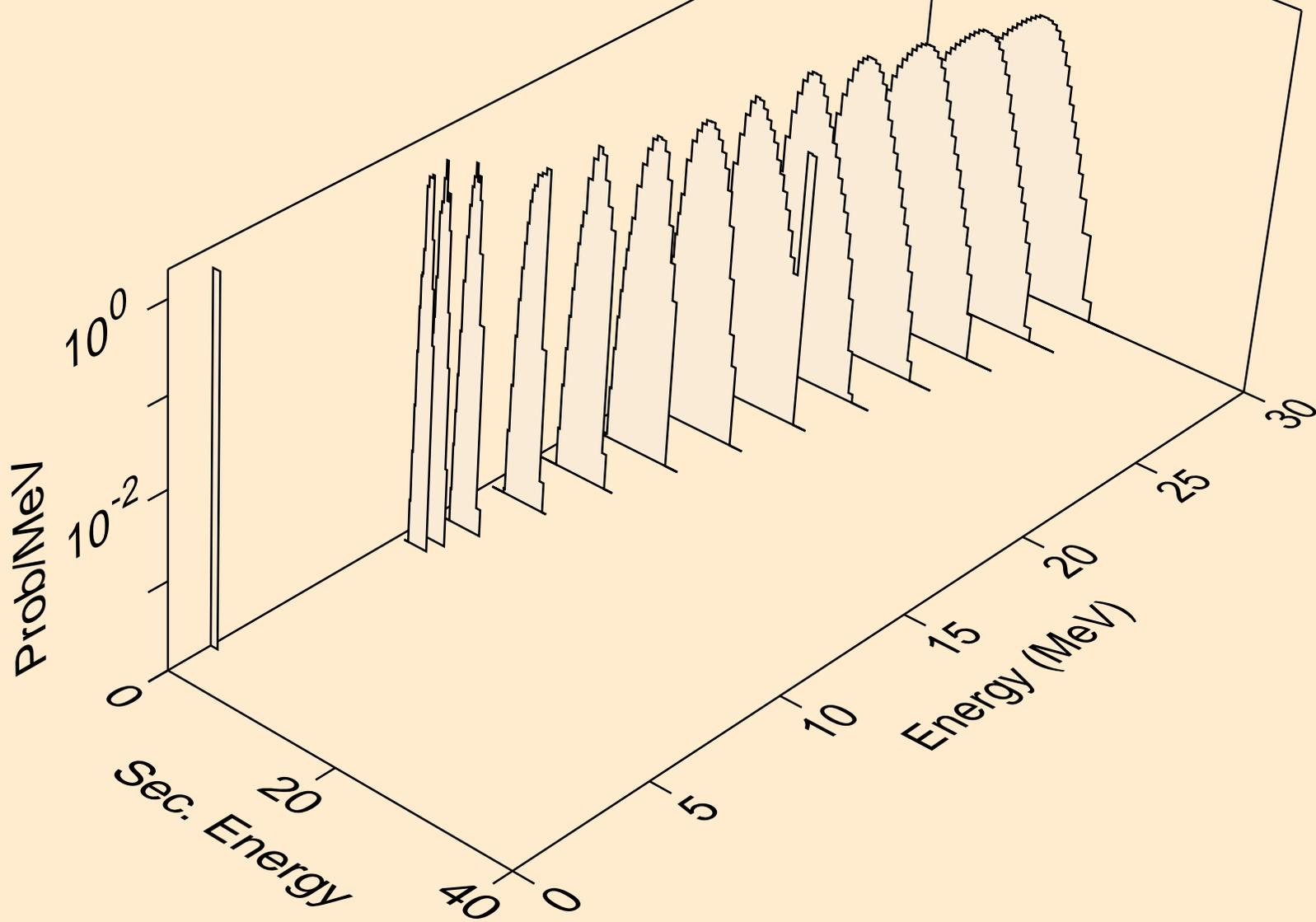SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
deuterons from (n,n*)d

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
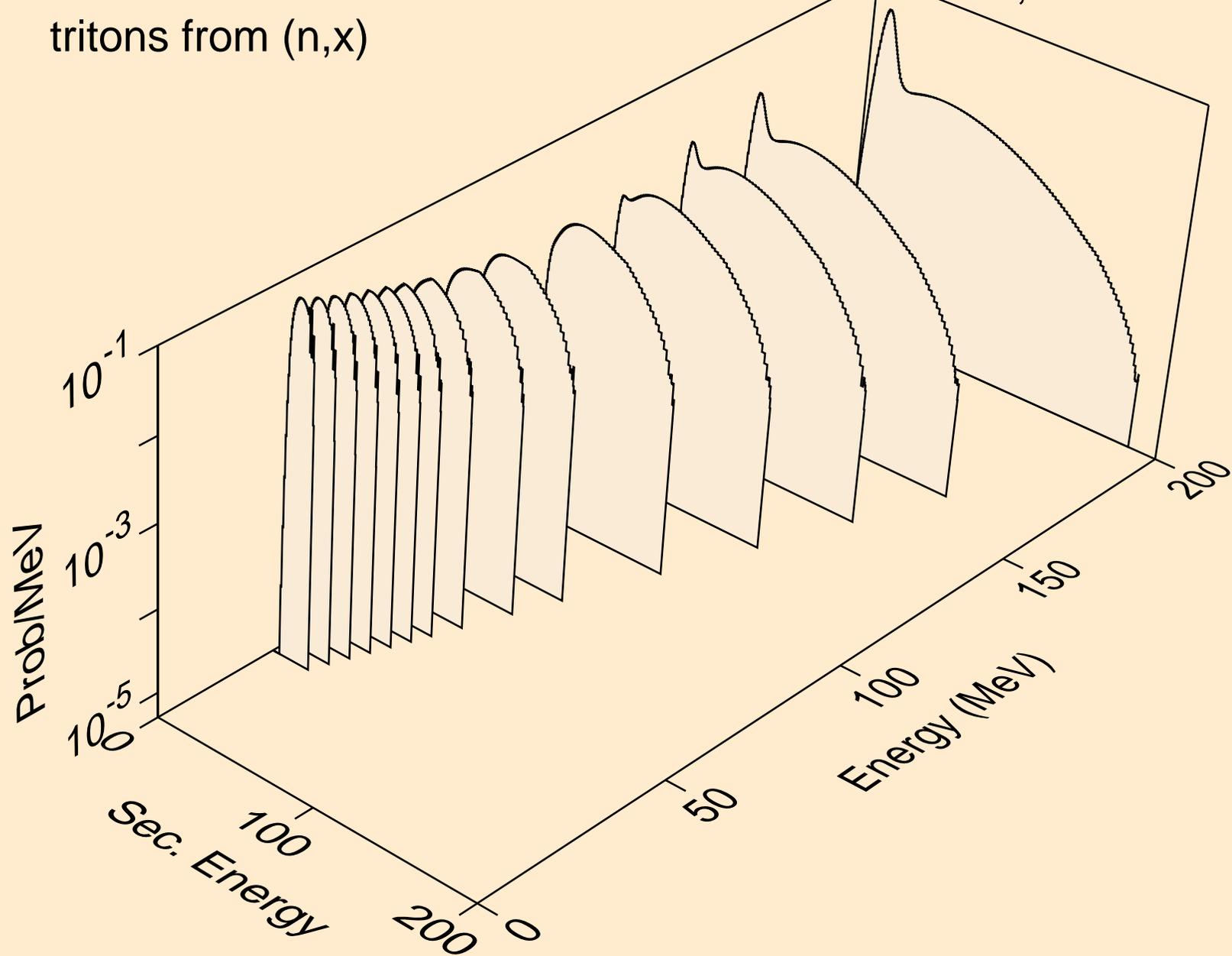deuterons from (n,d)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
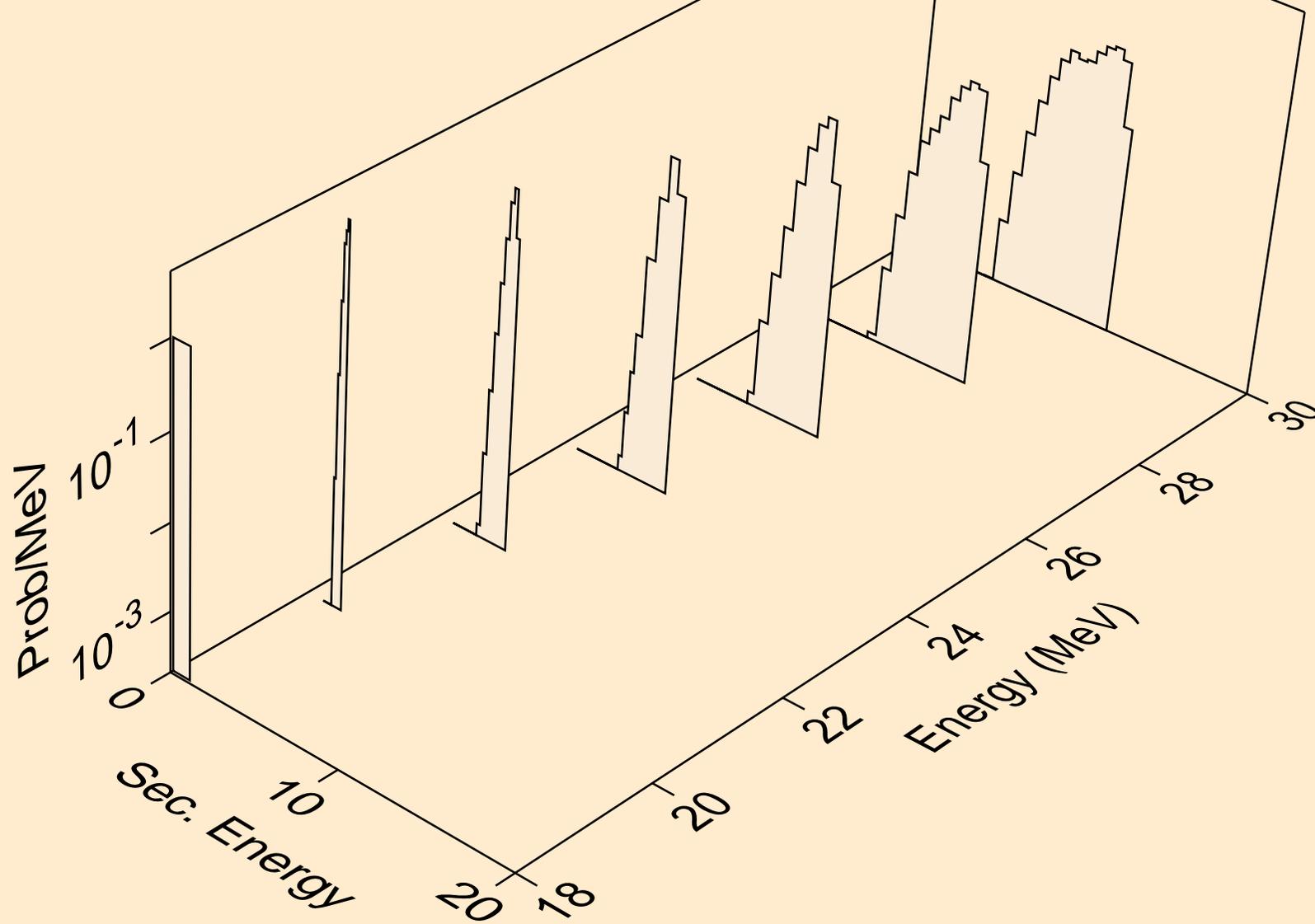deuterons from (n,pd)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
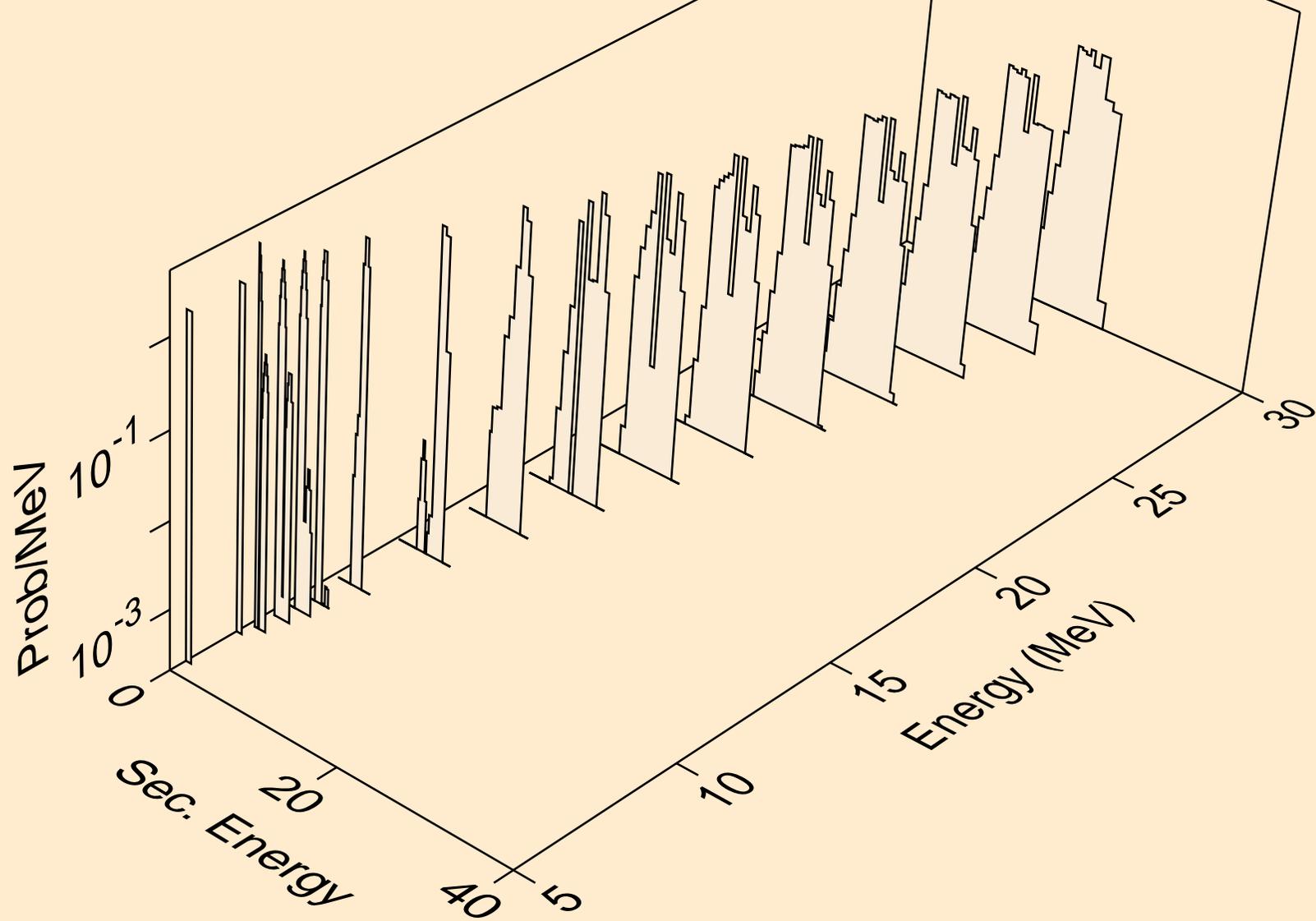deuterons from (n,da)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
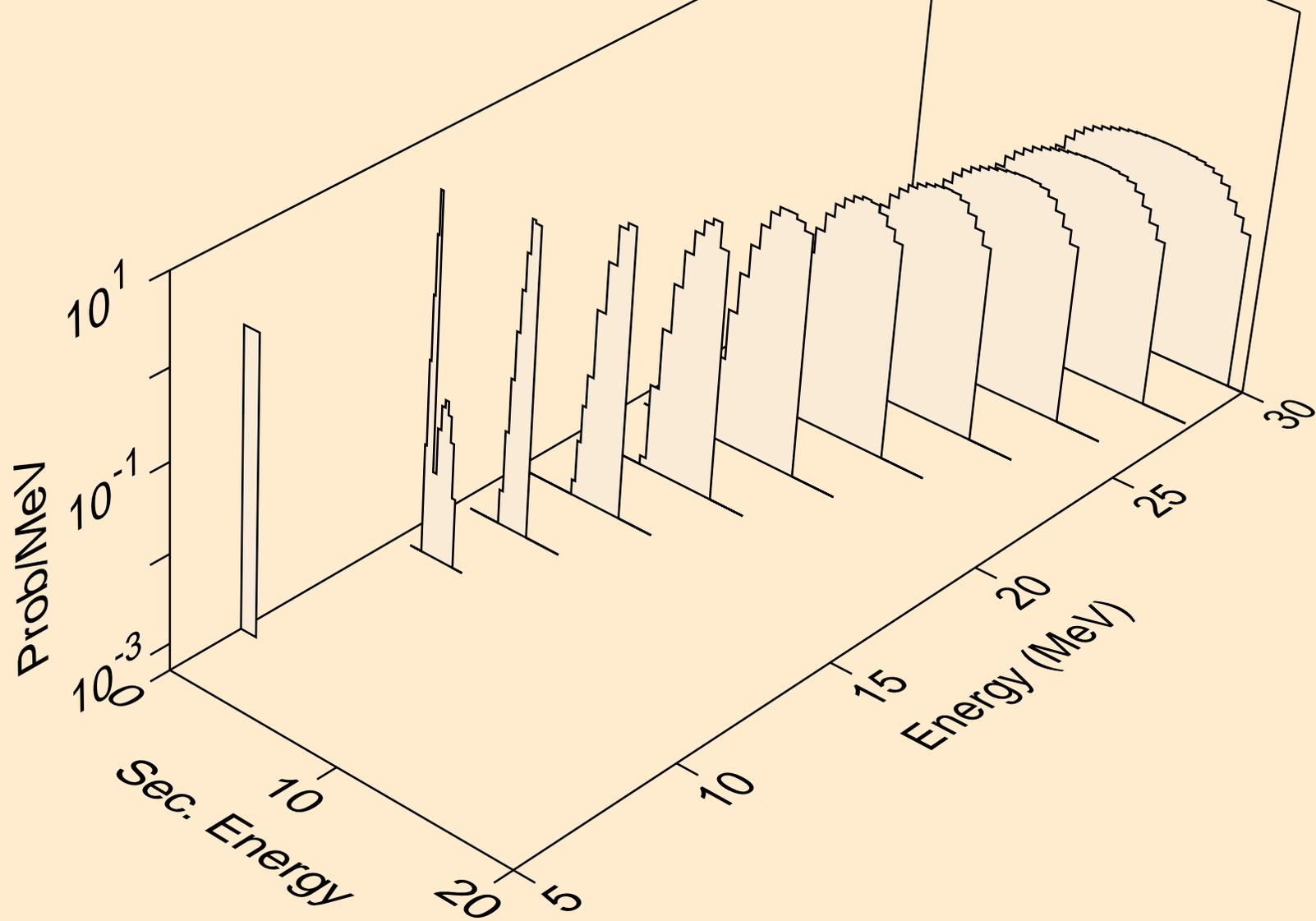tritons from (n,x)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
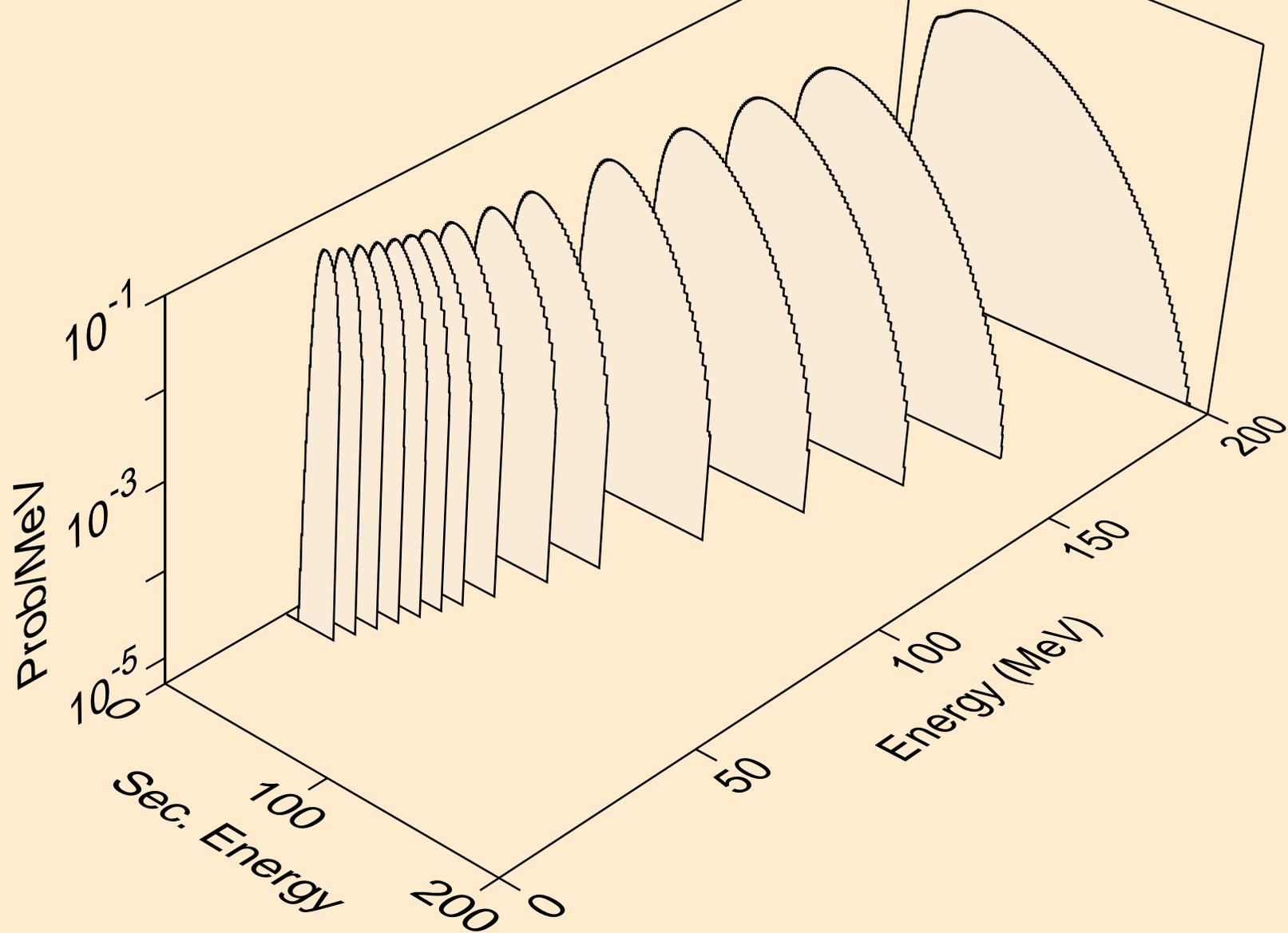tritons from (n,n*)t

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
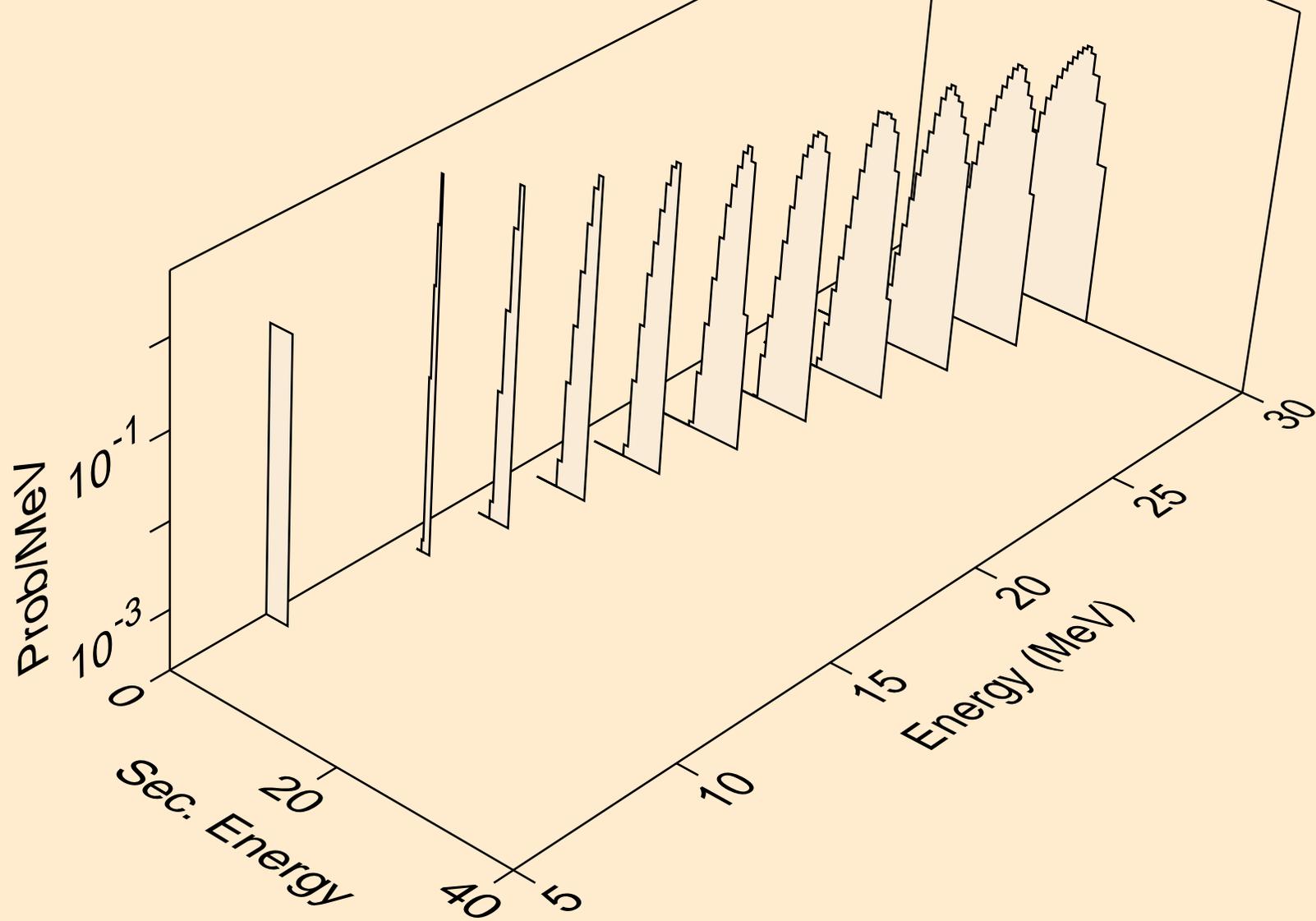tritons from (n,t)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
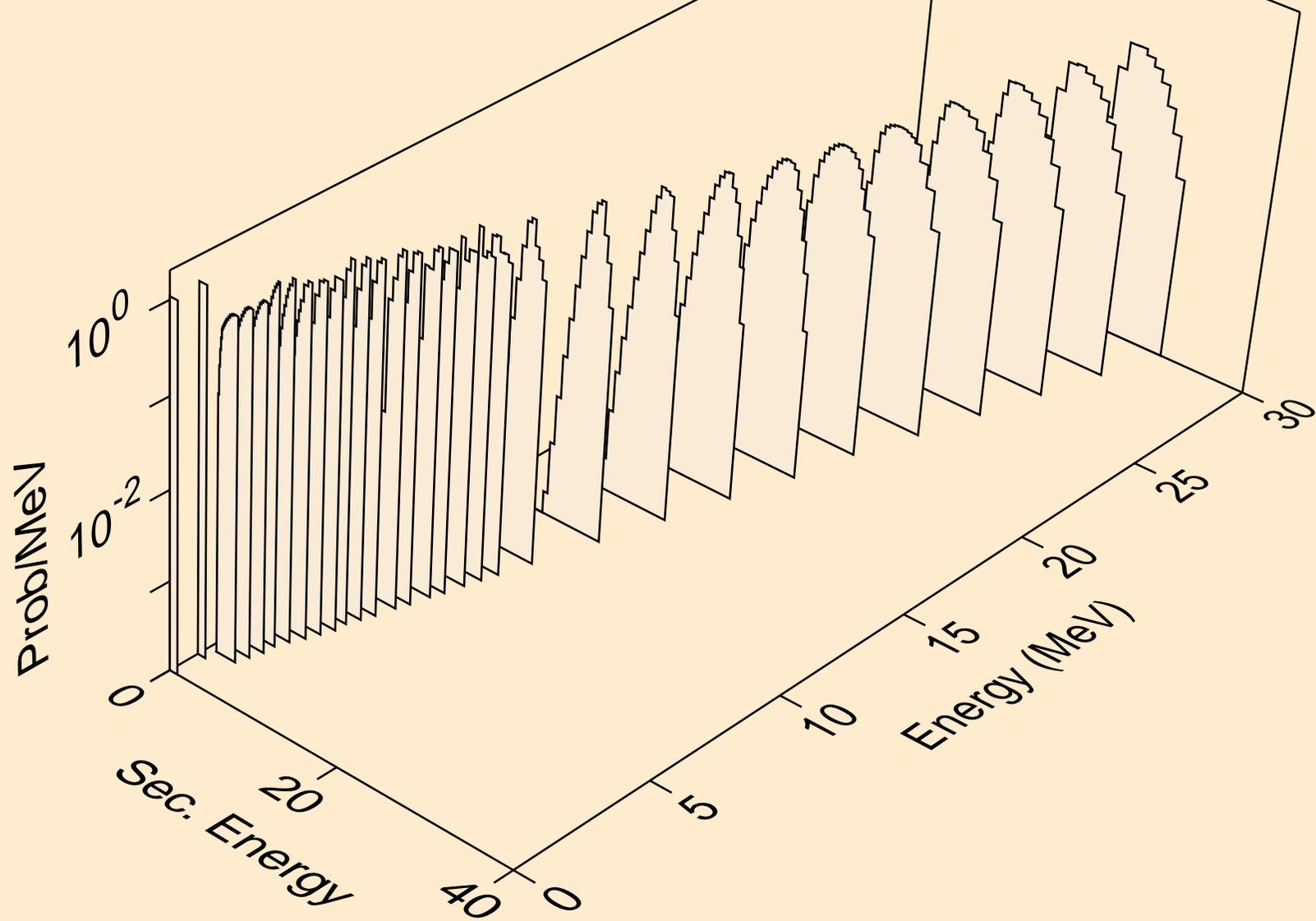tritons from (n,pt)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
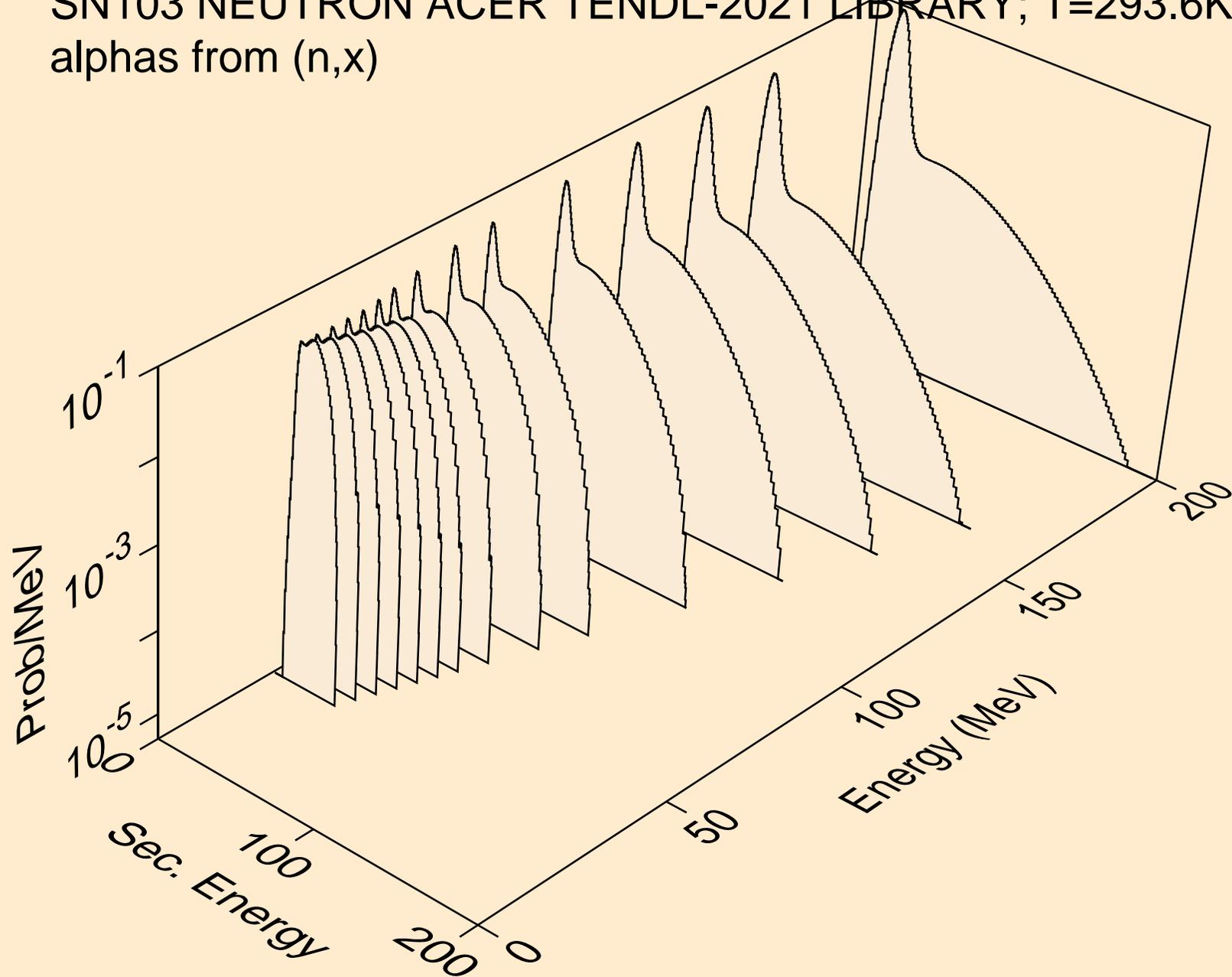he3s from (n,x)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
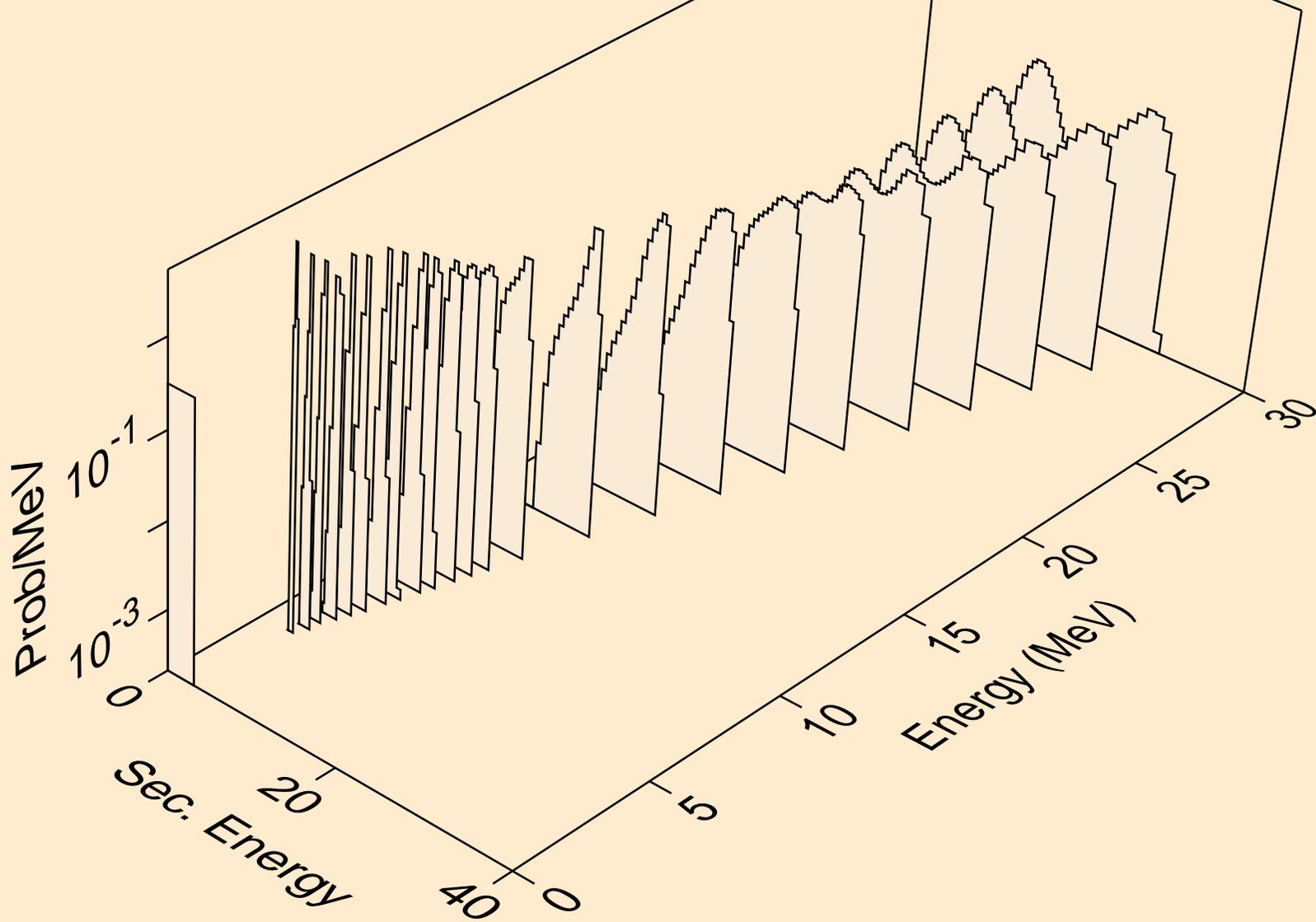he3s from (n,n*)he3

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
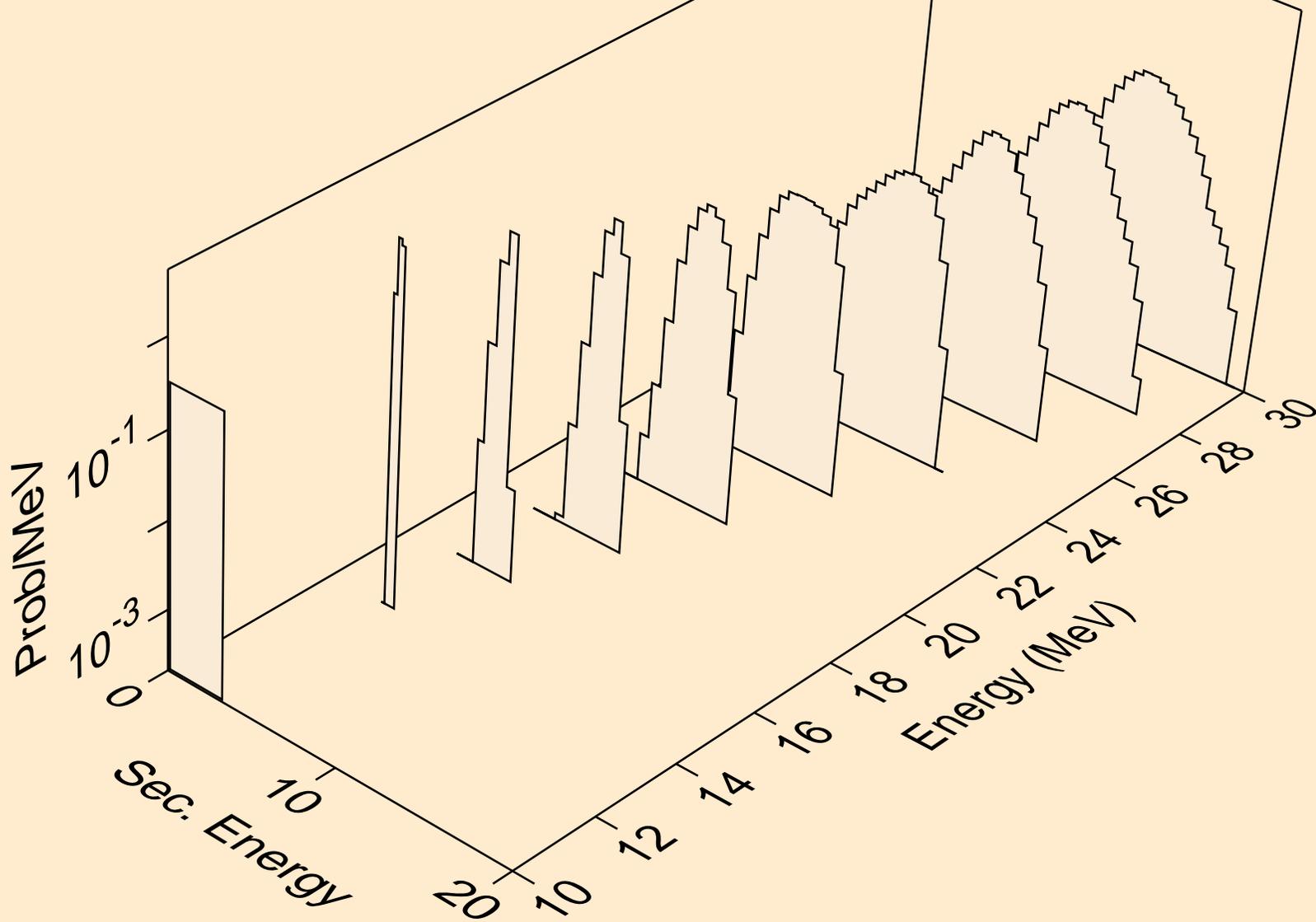he3s from (n,he3)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
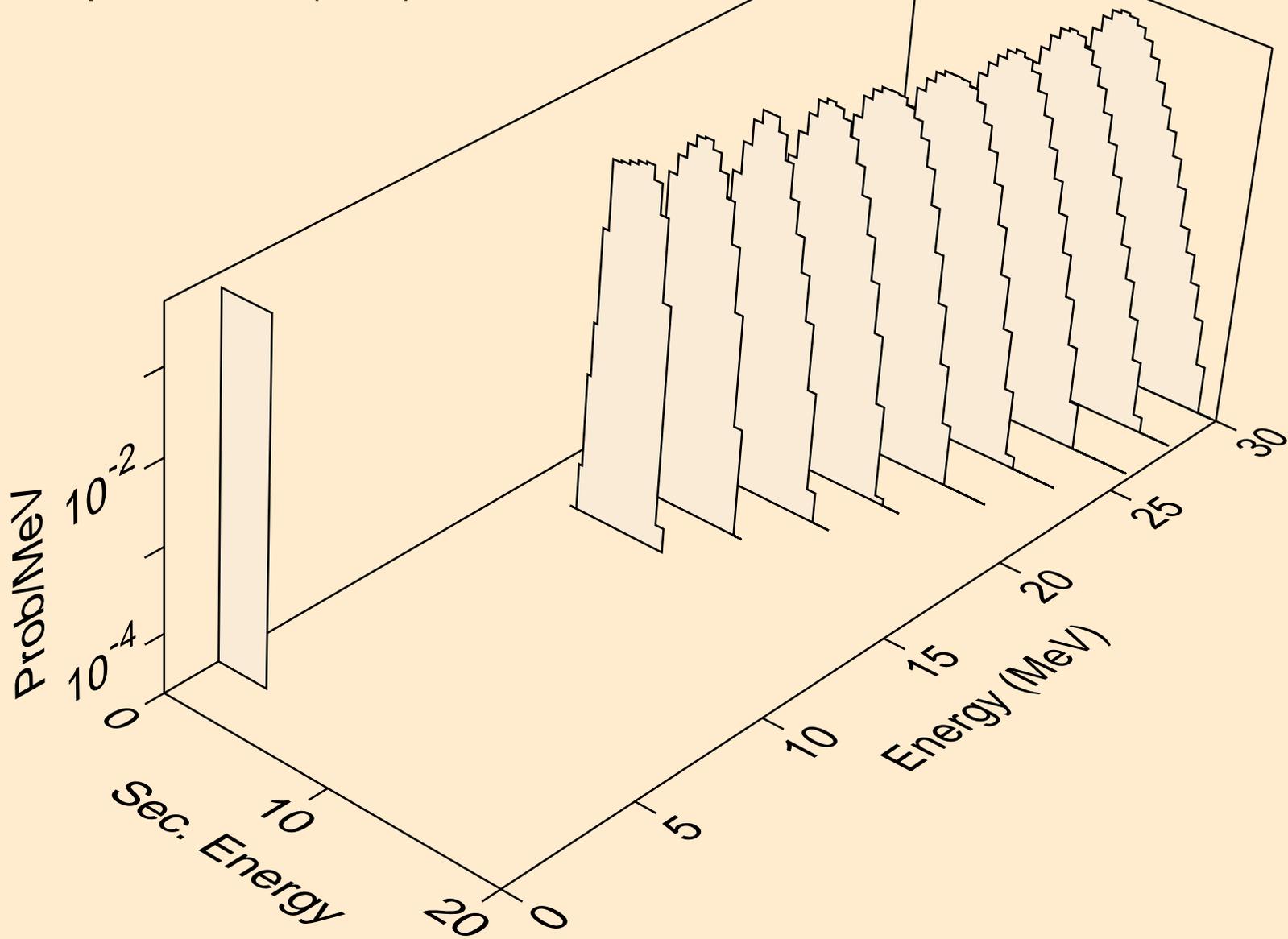alphas from (n,x)

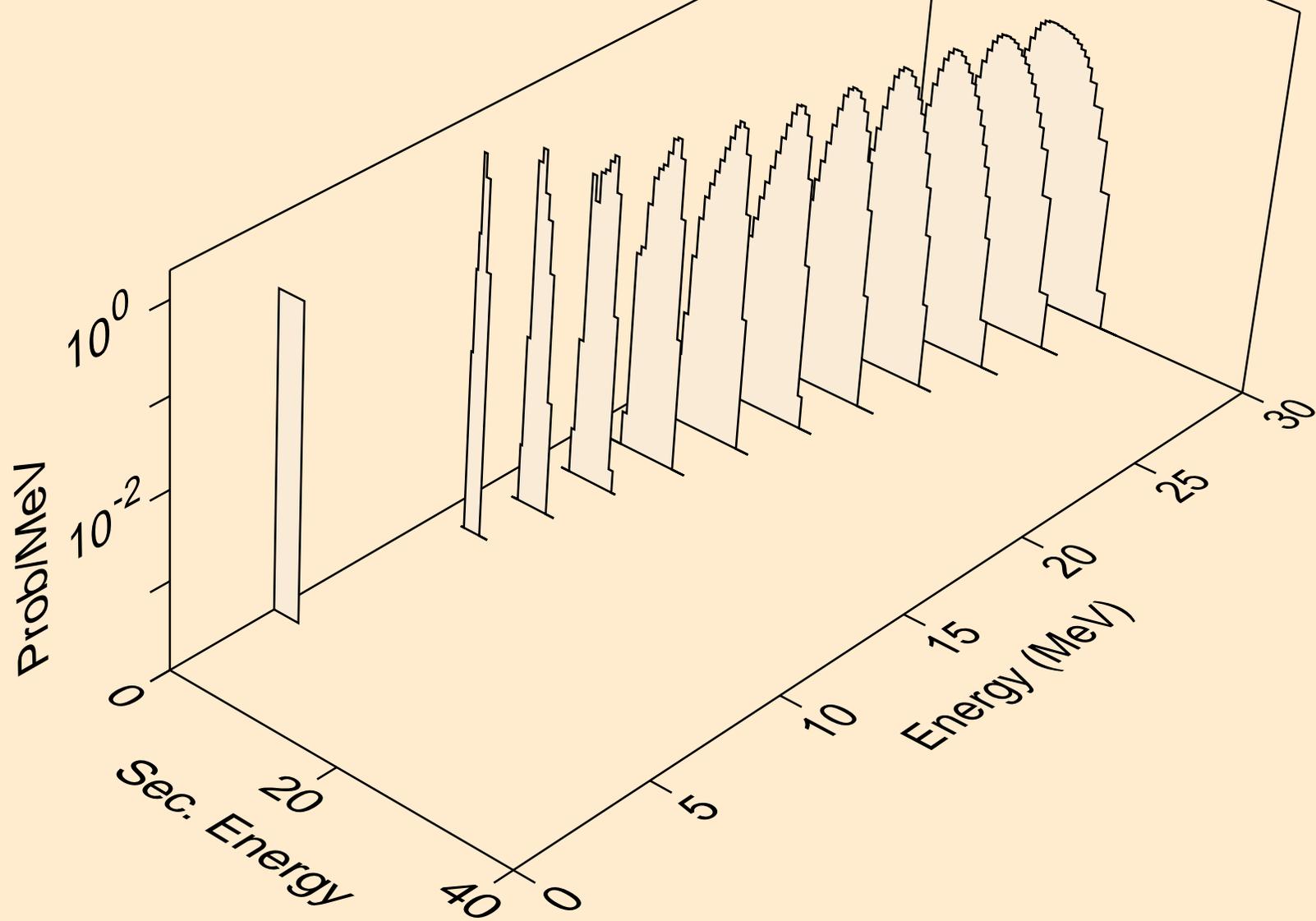SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,n*)a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2n)a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,n*)2a

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,npa)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,a)
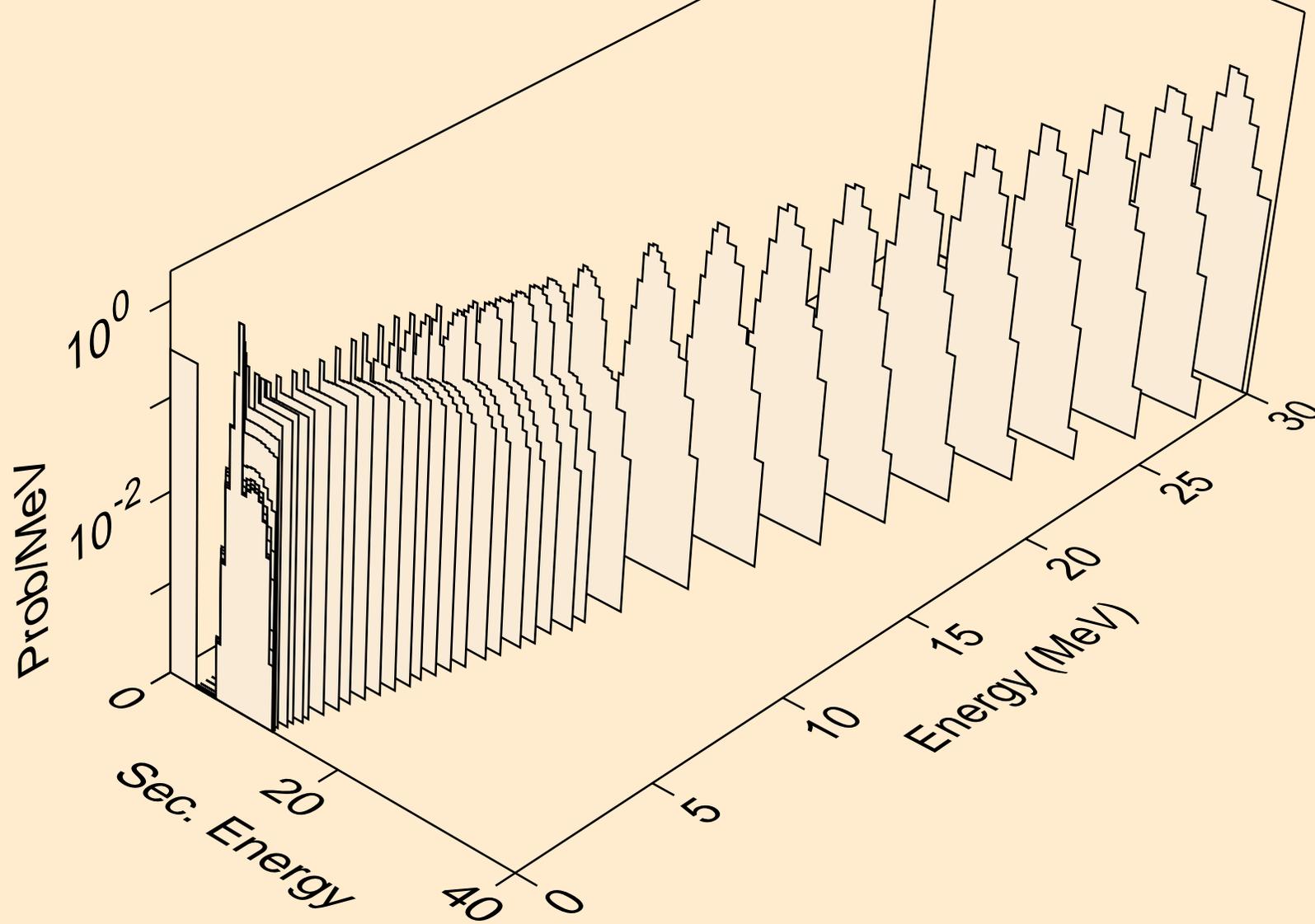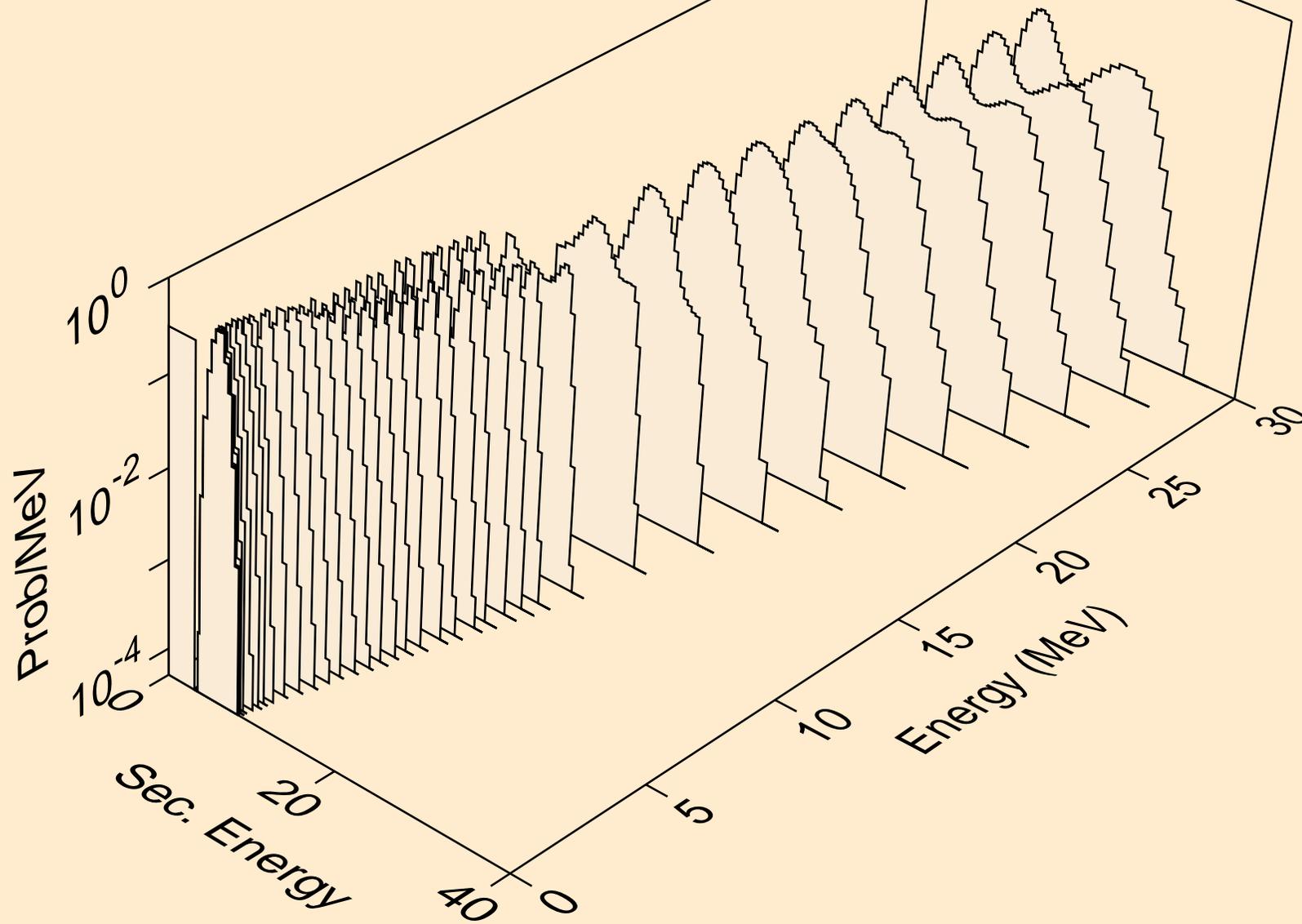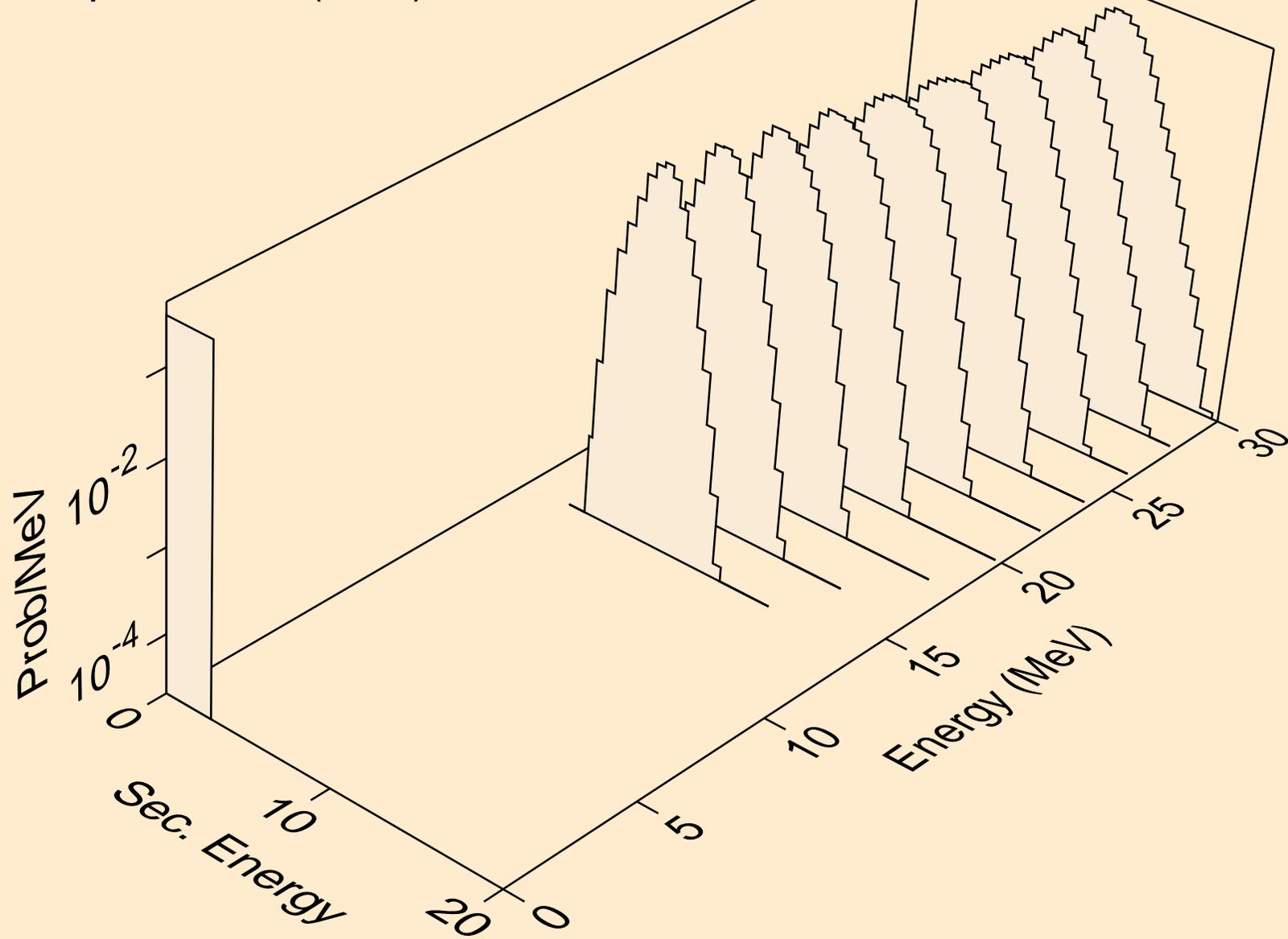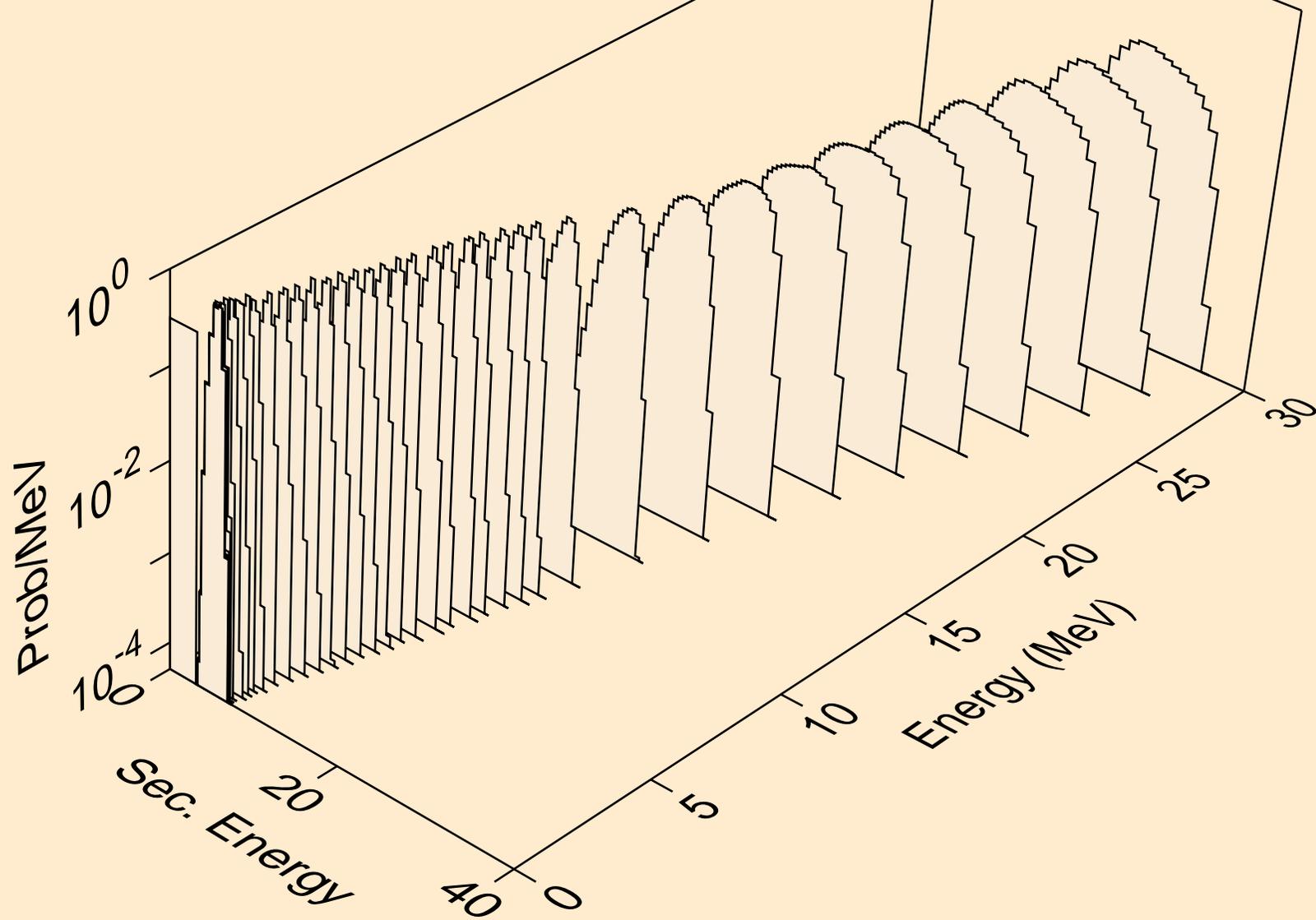
SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,2a)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,3a)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,pa)

SN103 NEUTRON ACER TENDL-2021 LIBRARY; T=293.6K
alphas from (n,da)