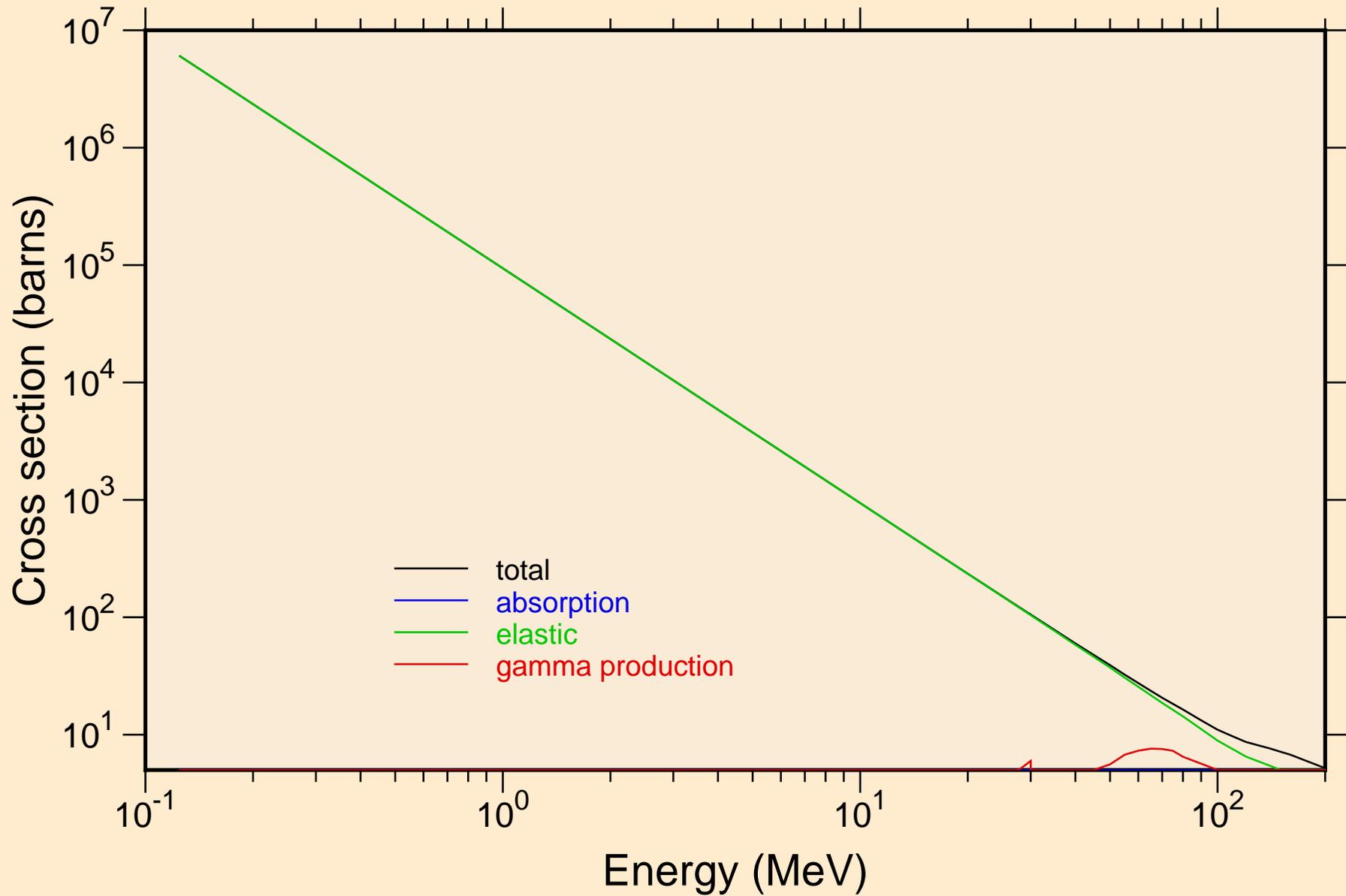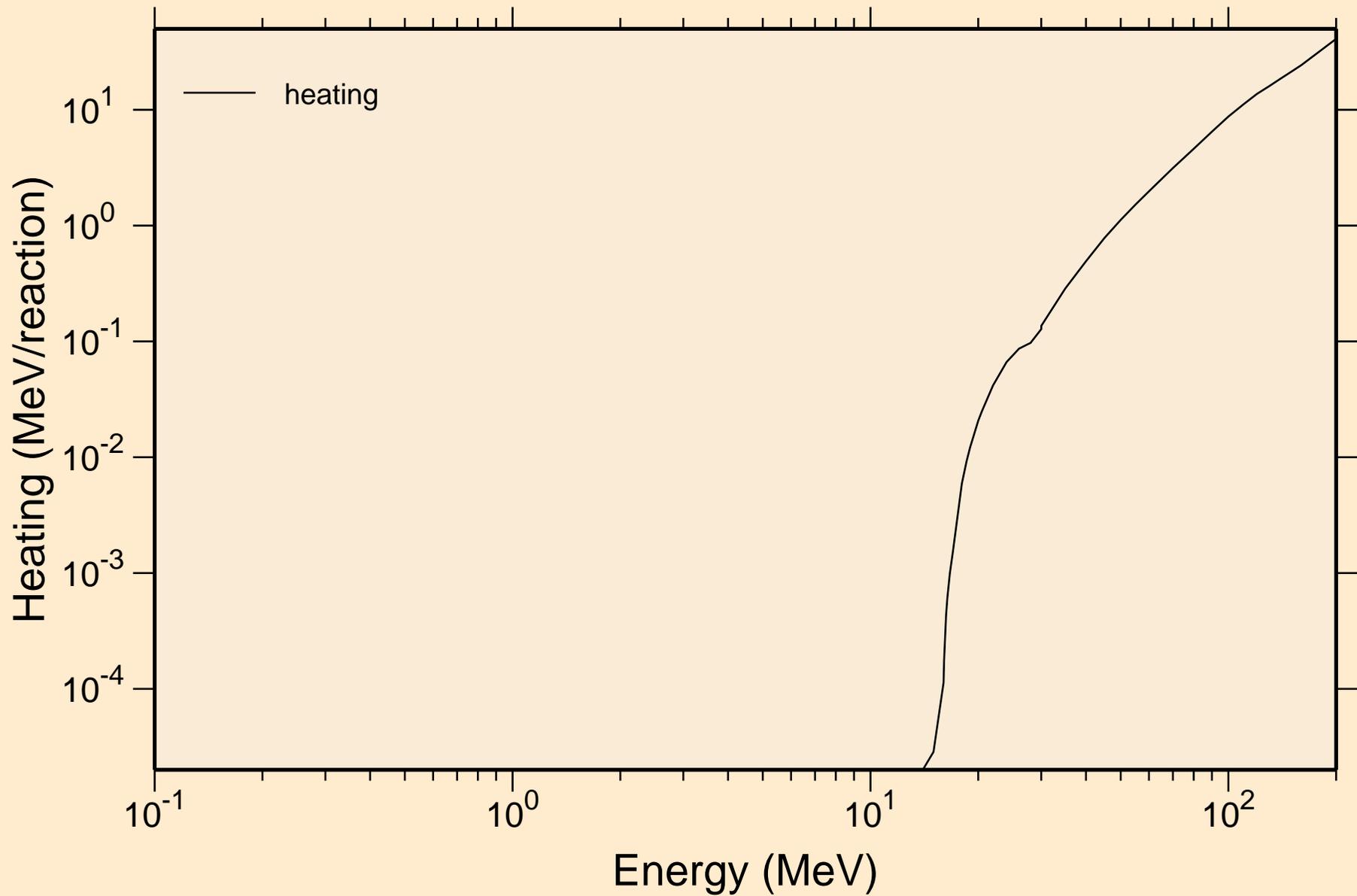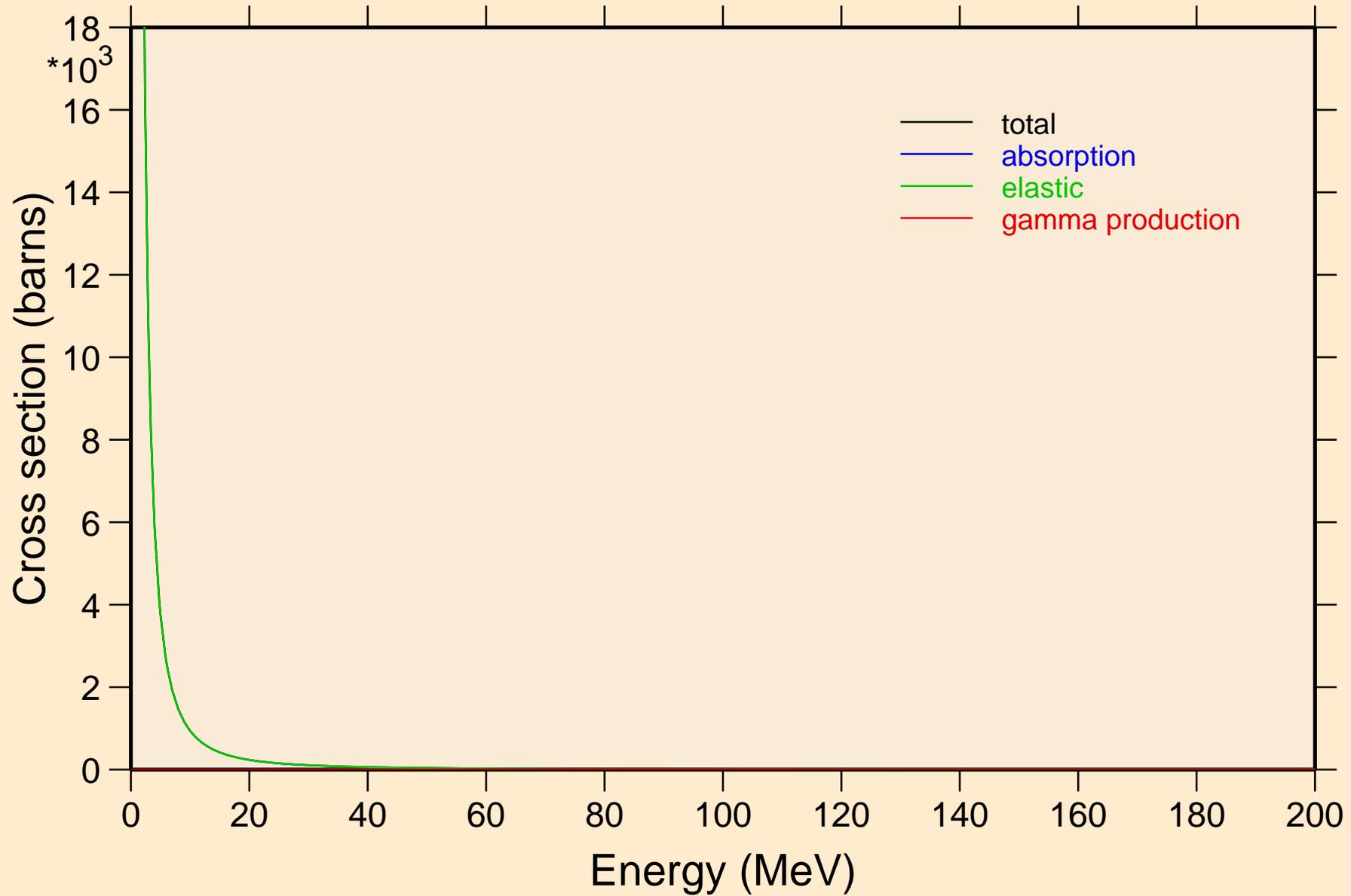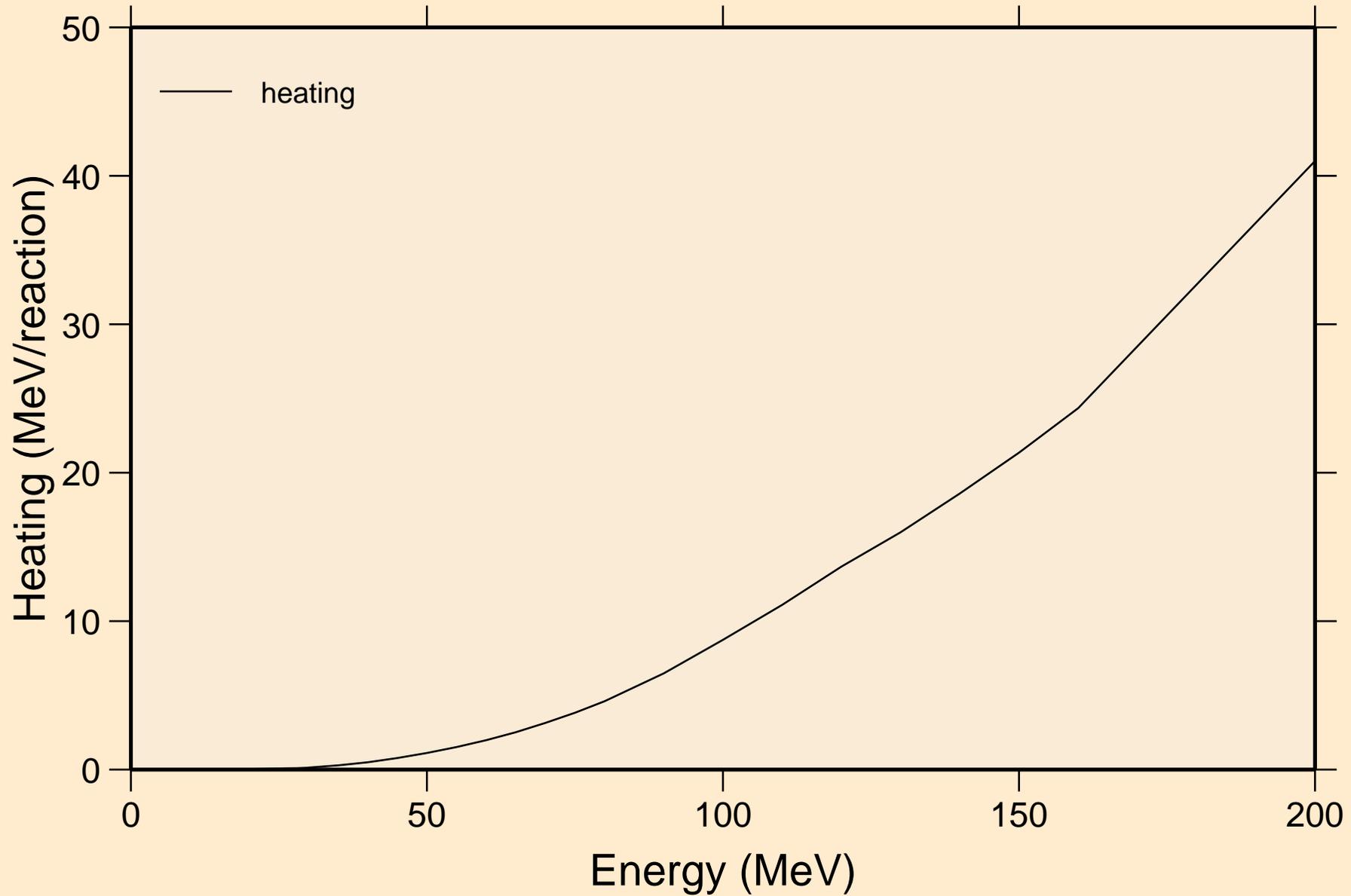ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
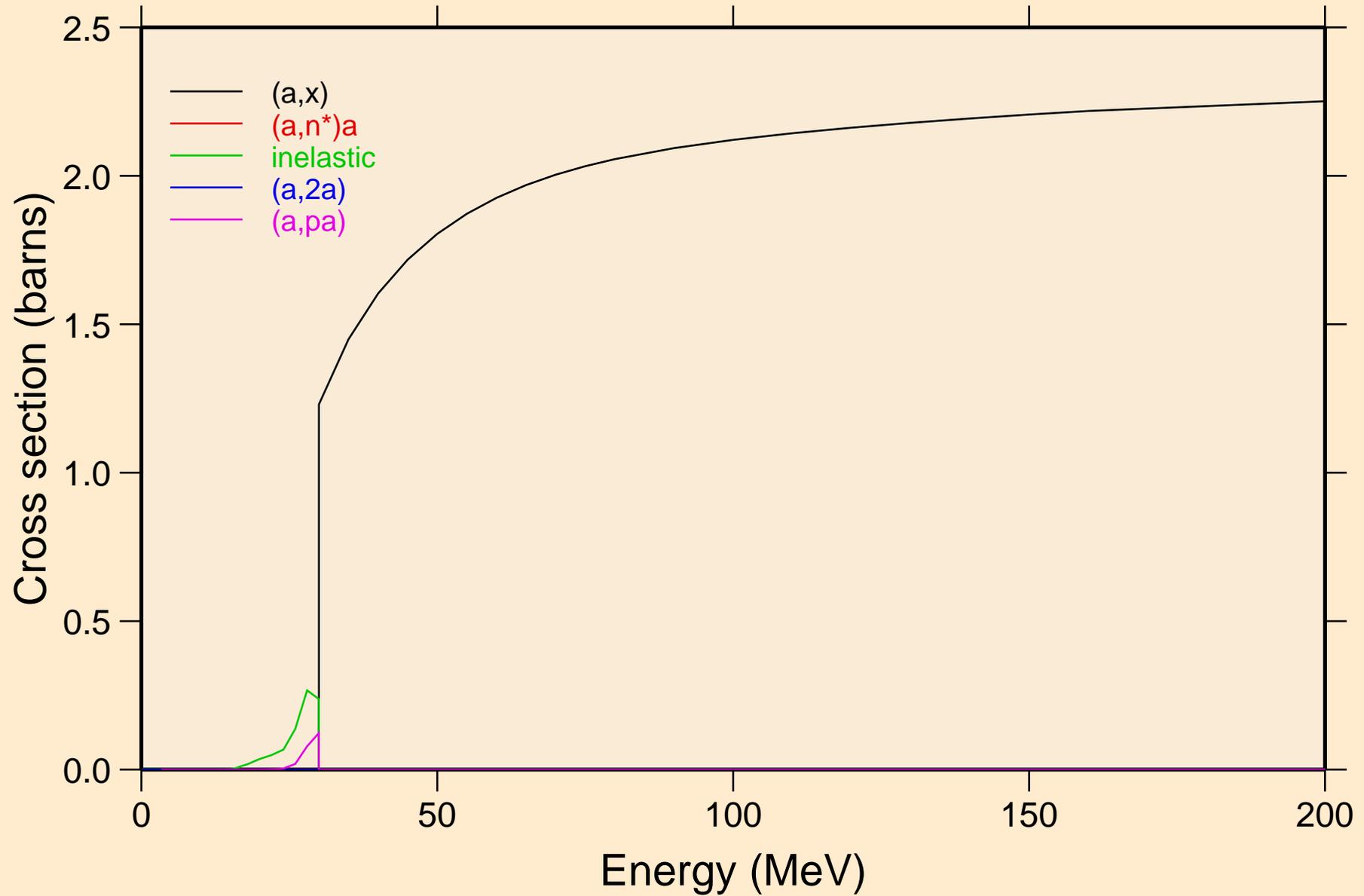Principal cross sections

Cross section (barns)

*10³

18
16
14
12
10
8
6
4
2
0

0   20   40   60   80   100   120   140   160   180   200

Energy (MeV)

——— total
——— absorption
——— elastic
——— gamma production

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
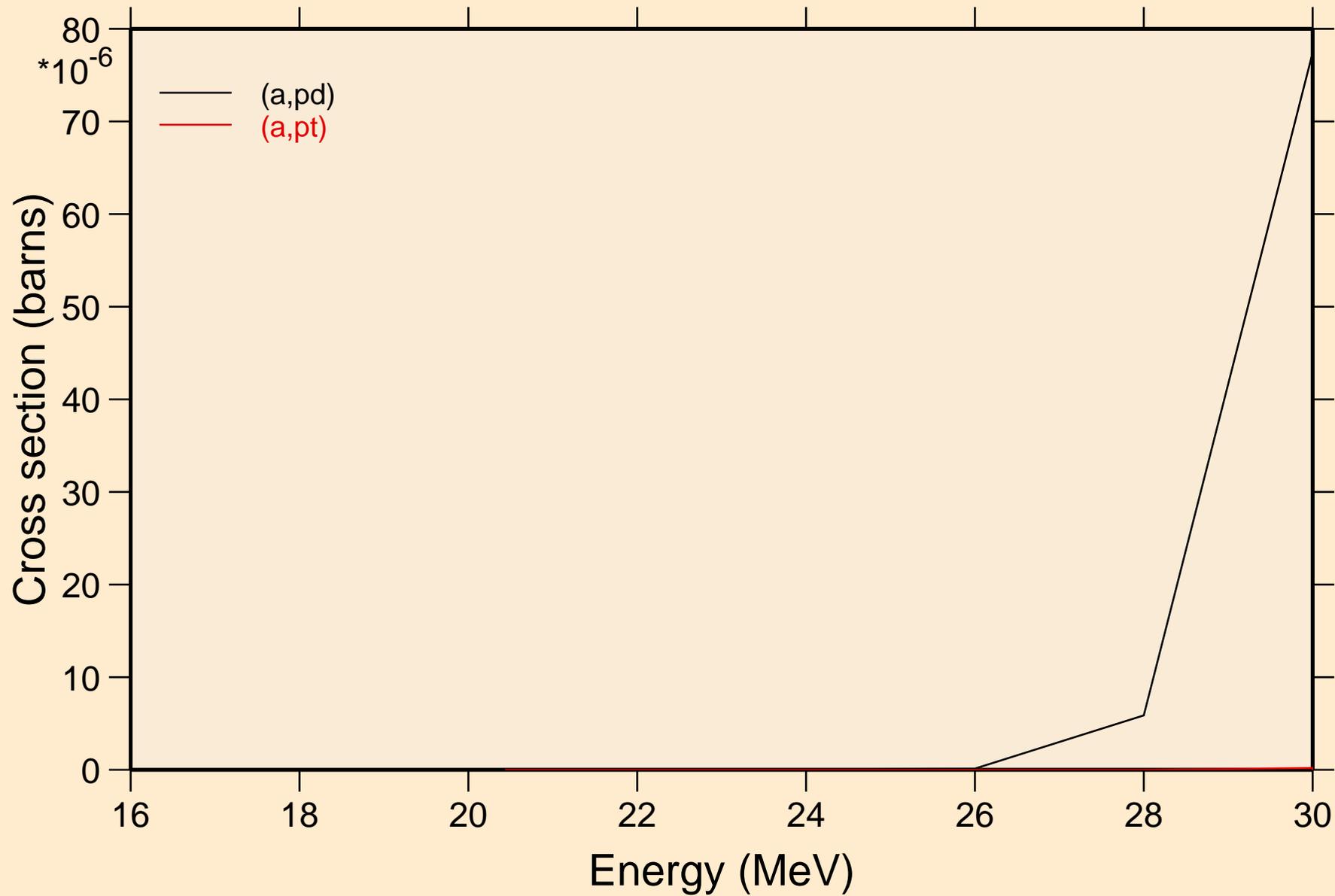Heating

heating

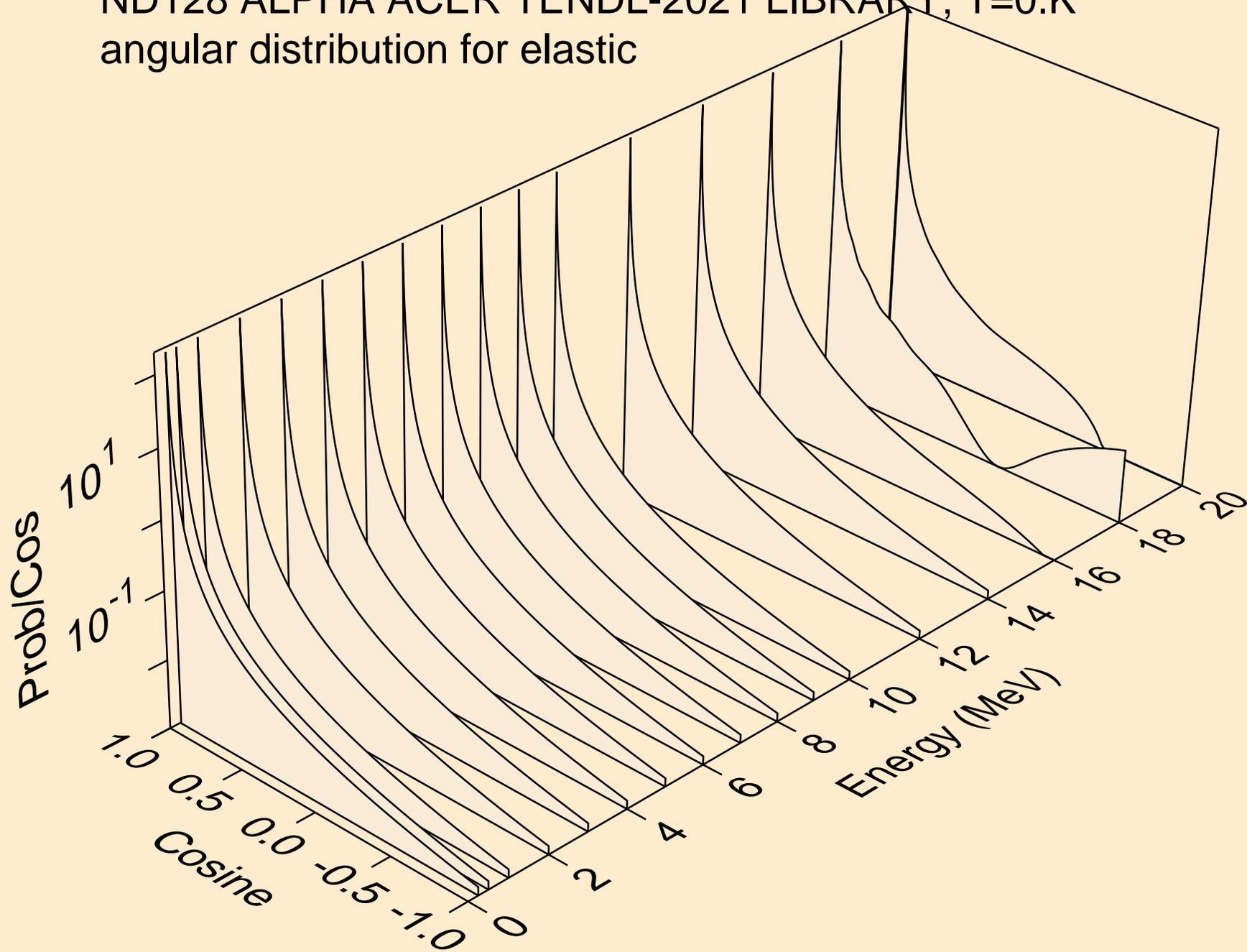Heating (MeV/reaction)

Energy (MeV)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
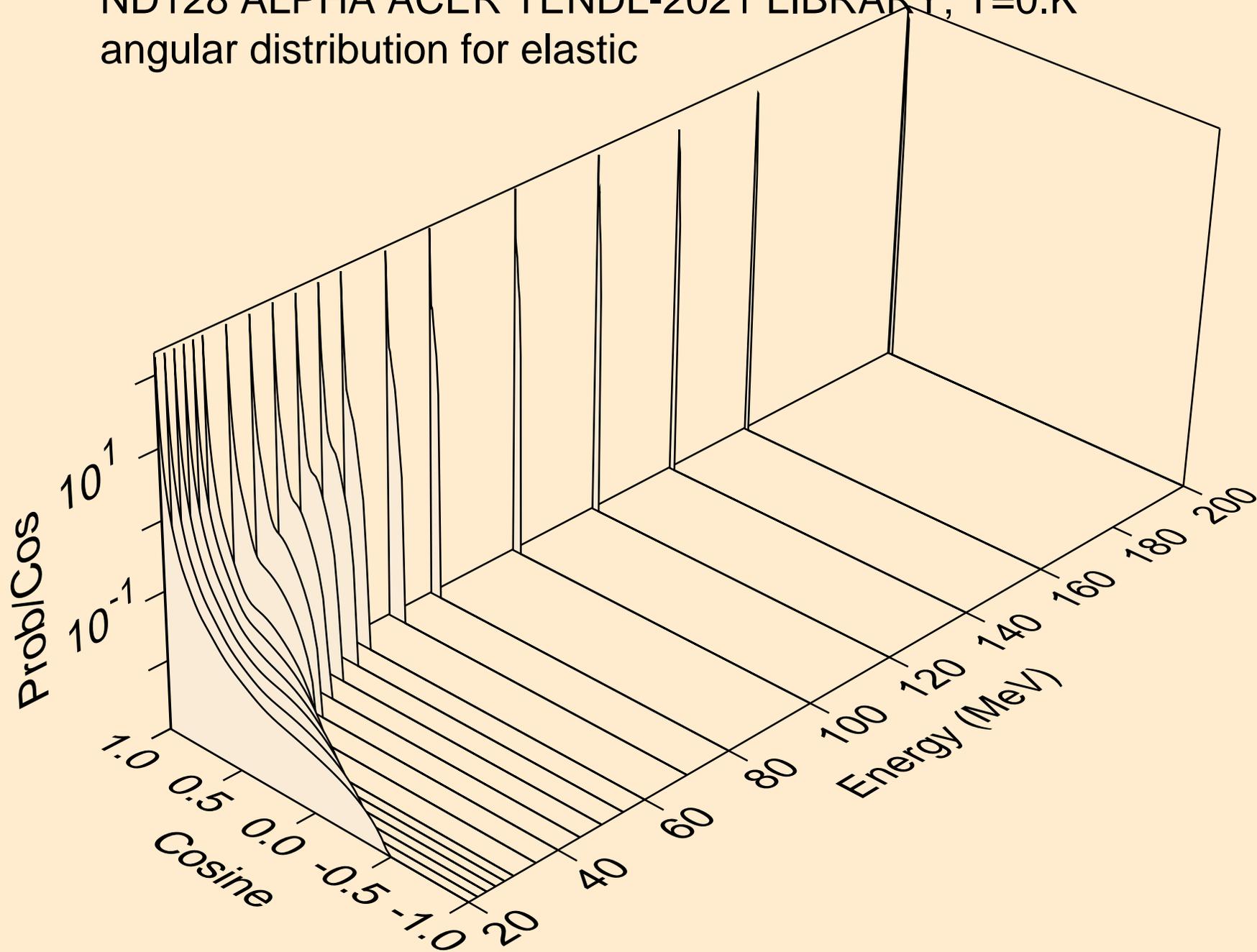Threshold reactions

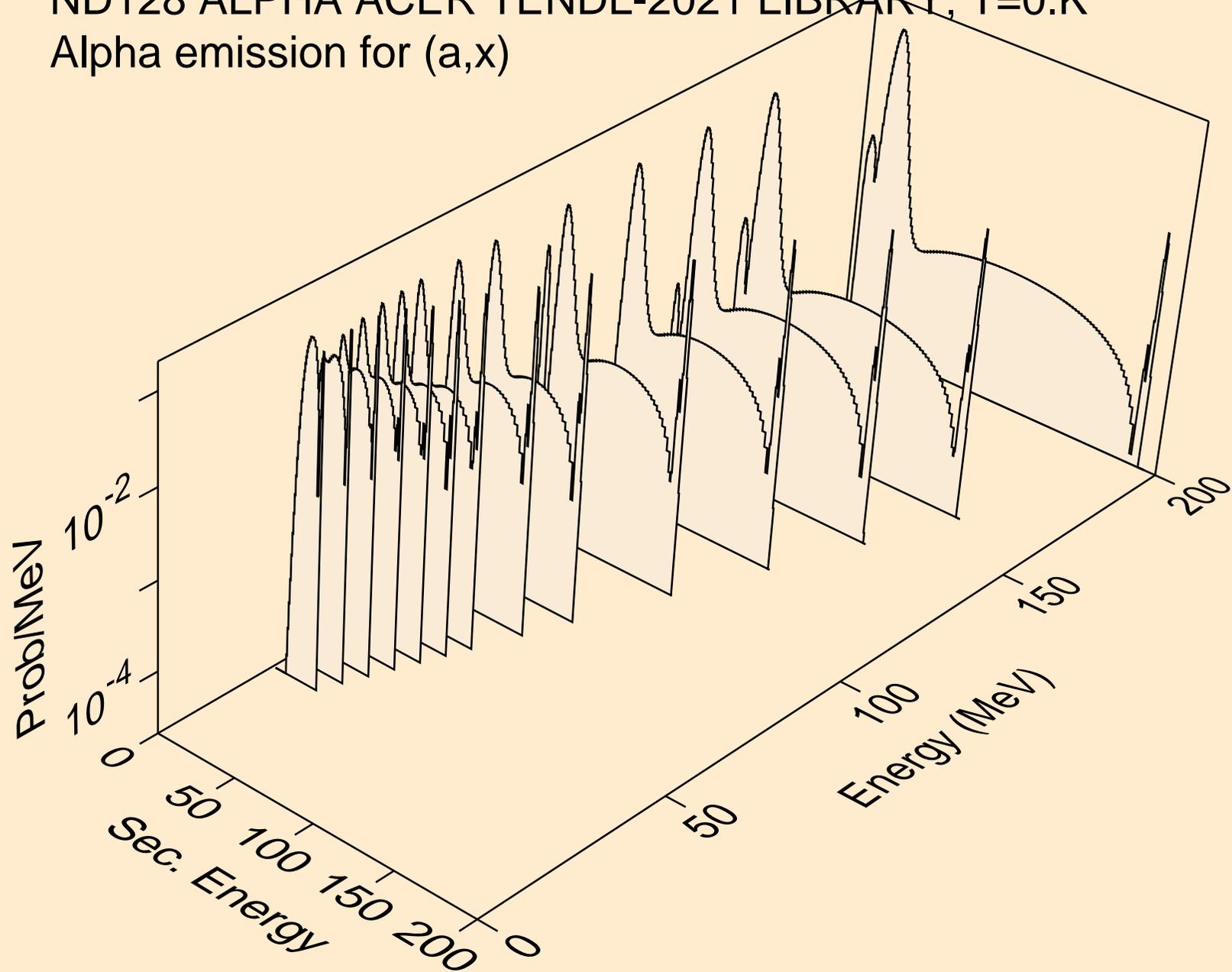ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

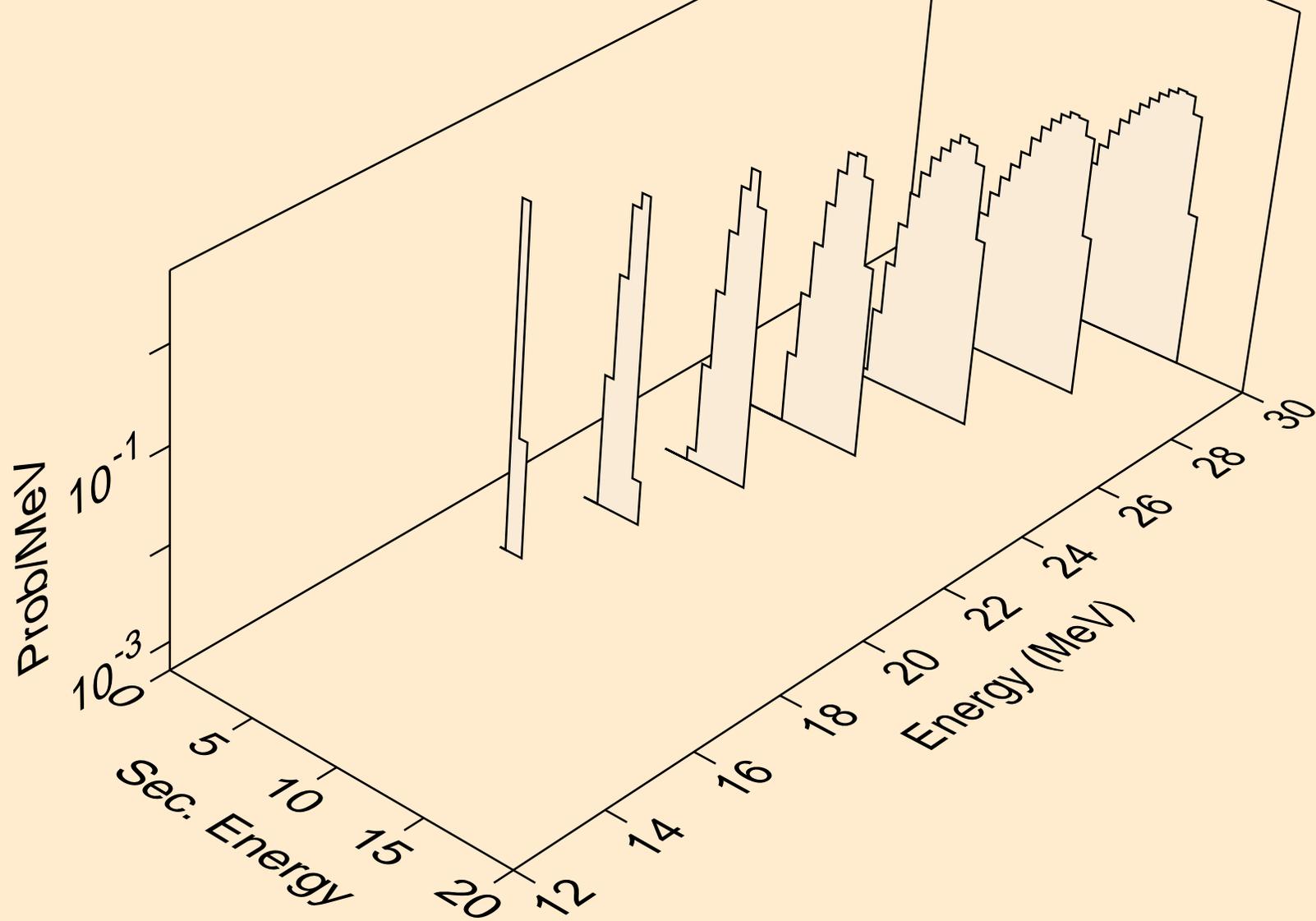ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

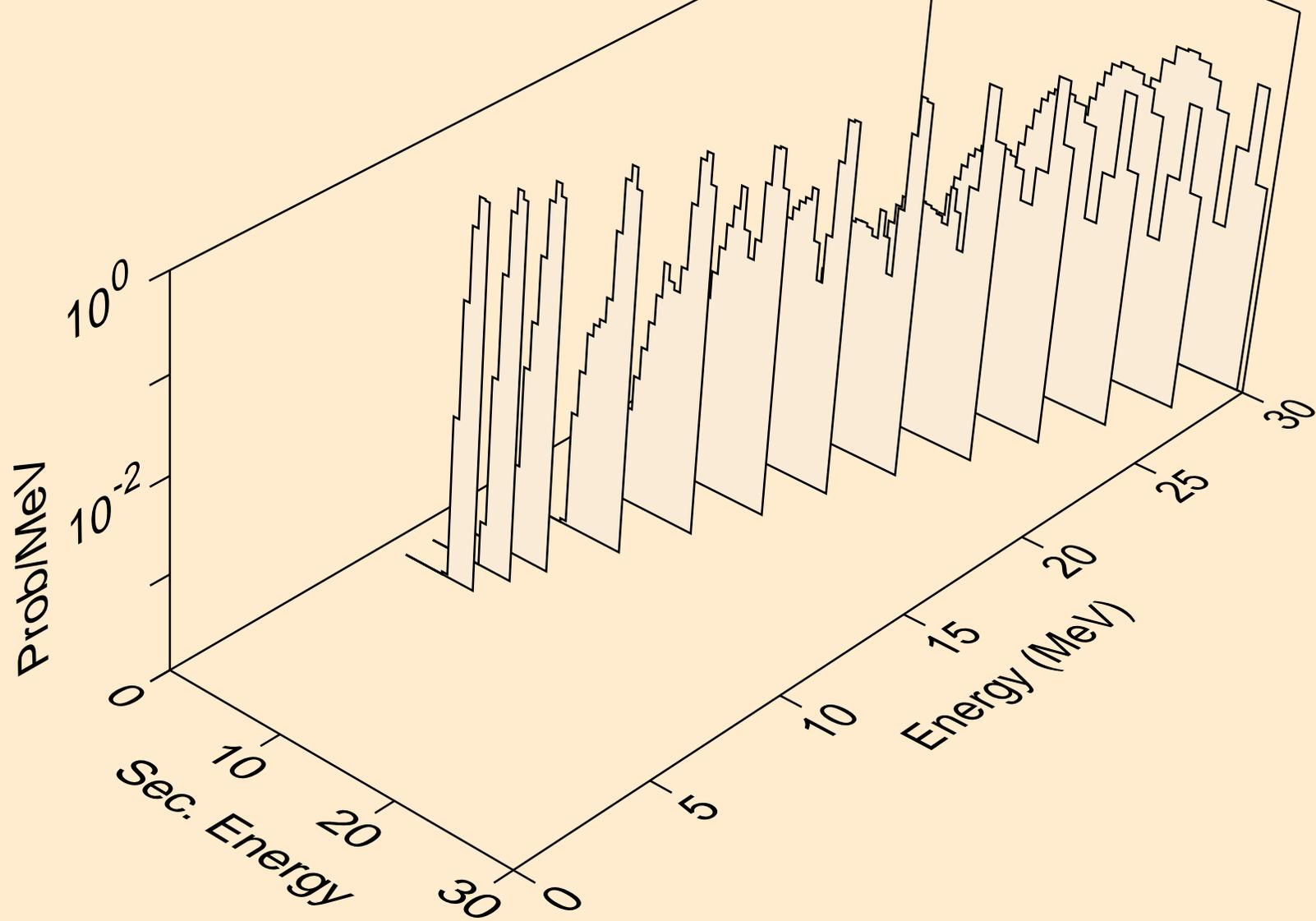ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
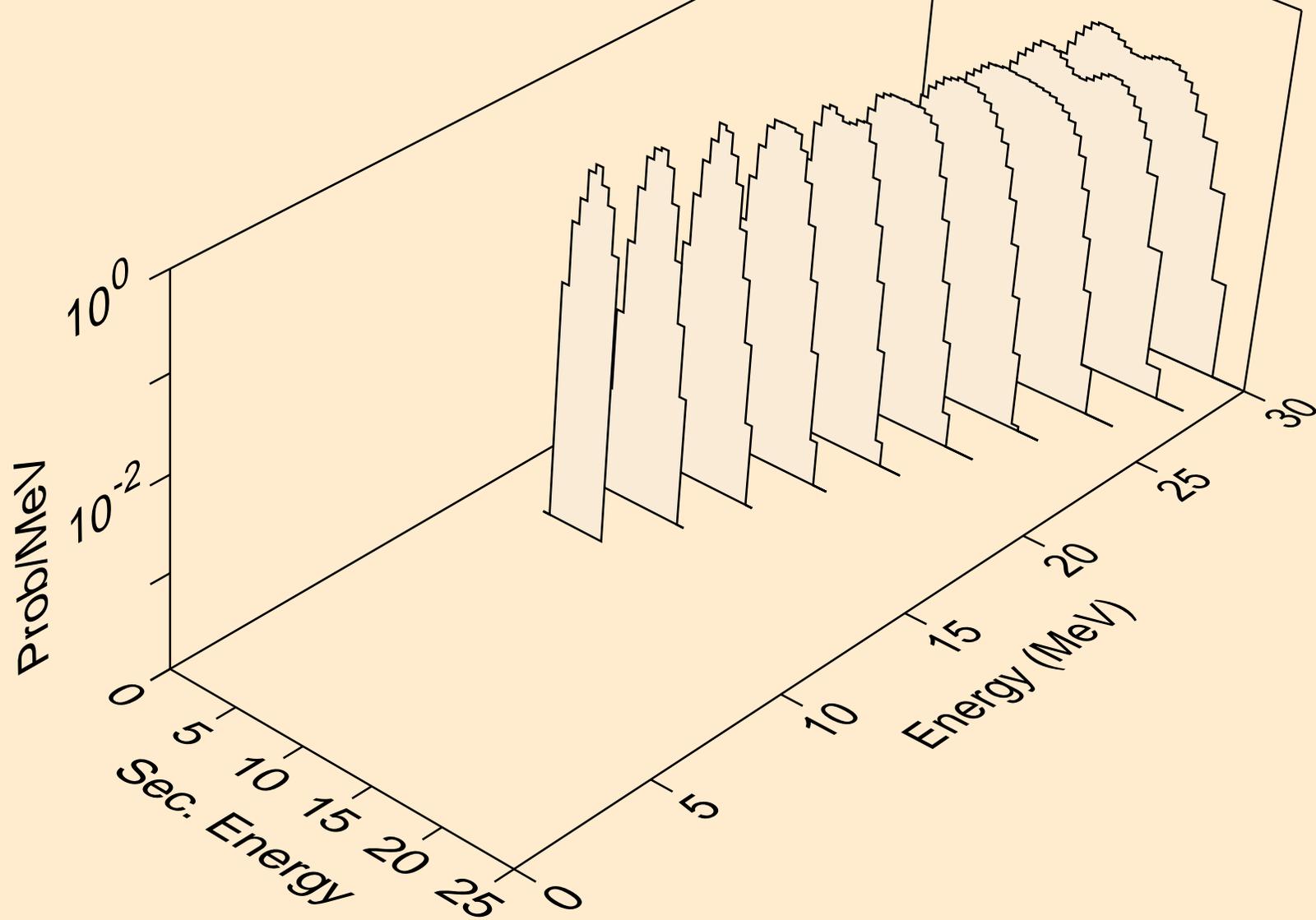Alpha emission for (a,x)

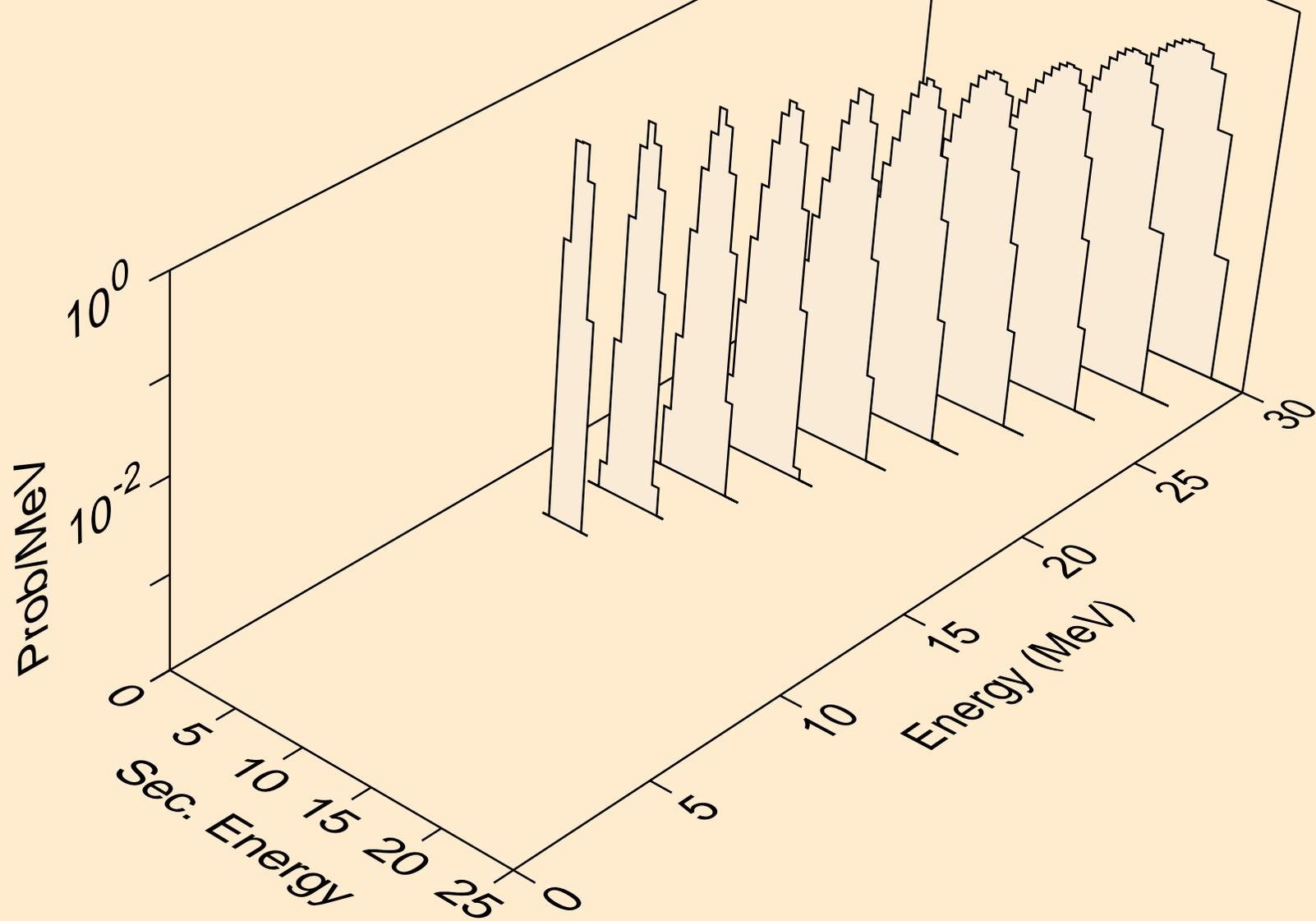ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)a

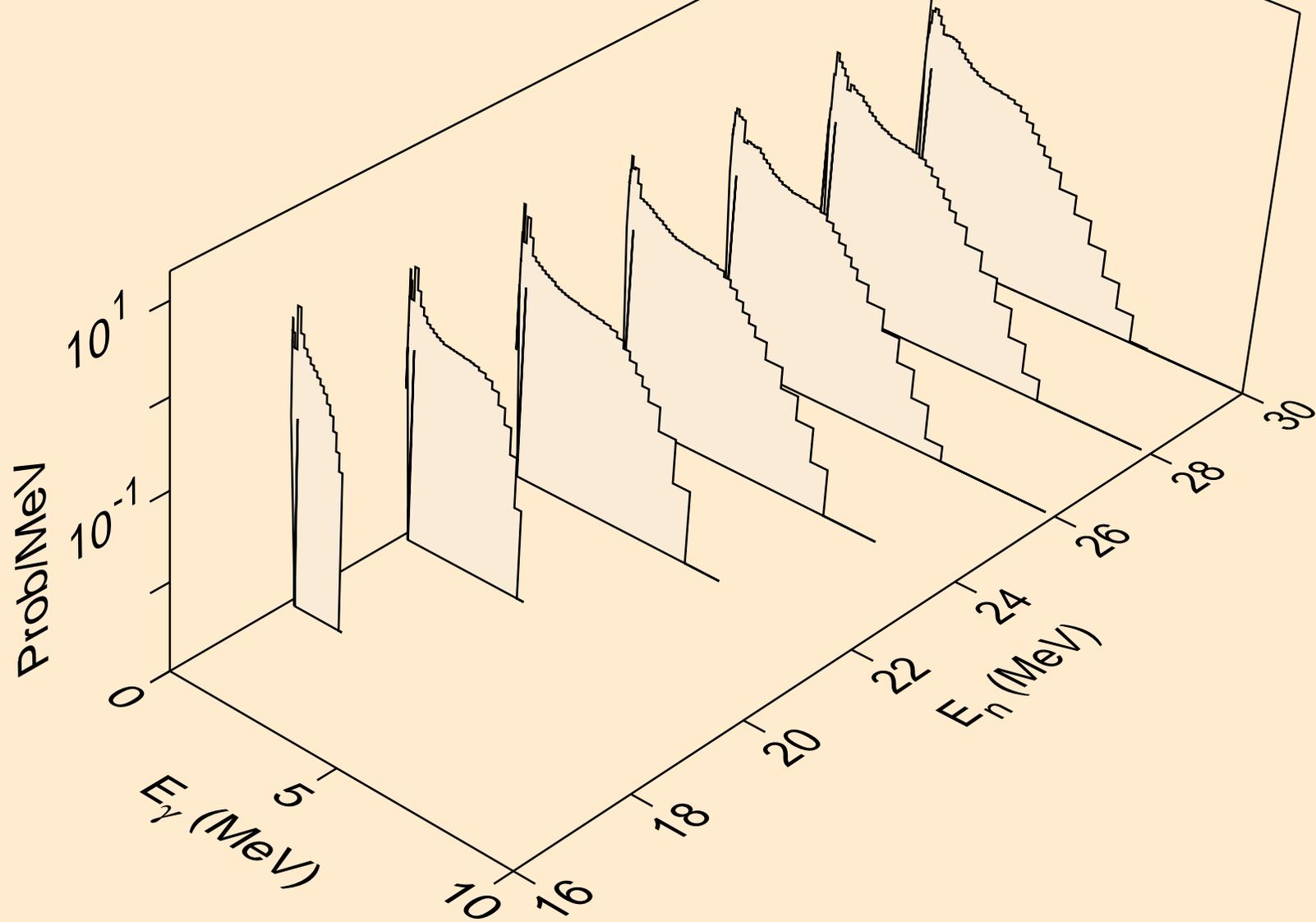ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for inelastic

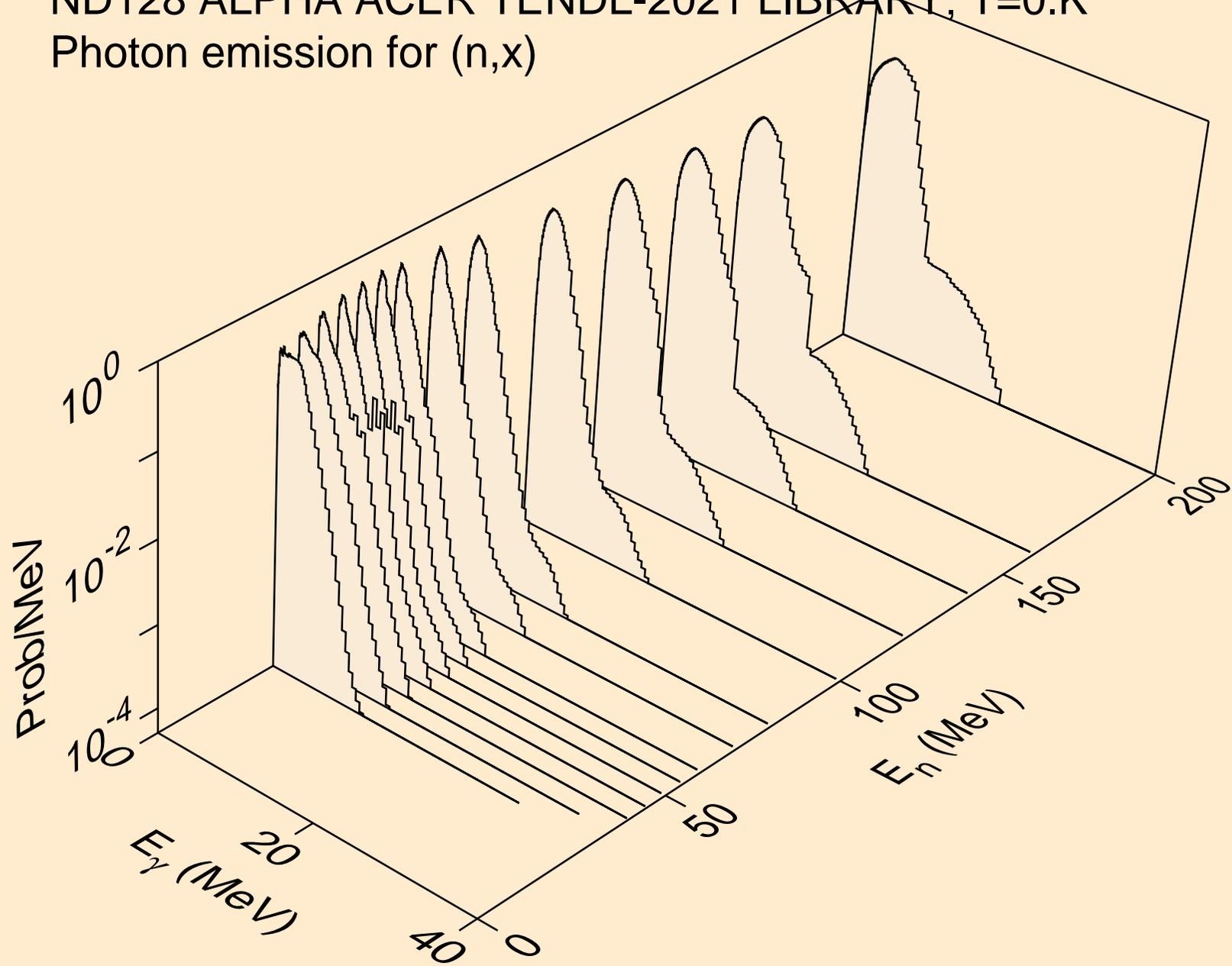ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,2a)

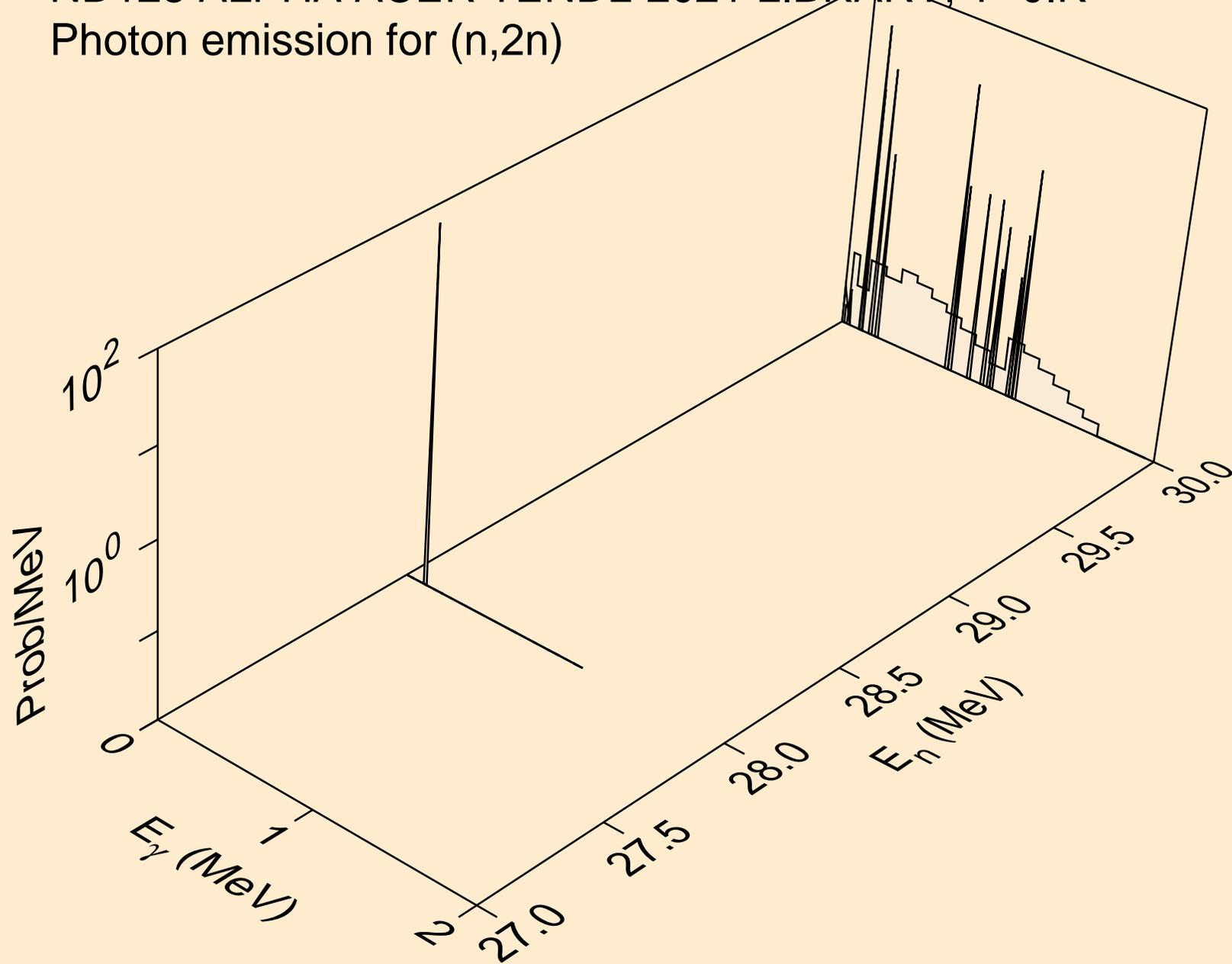ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,pa)

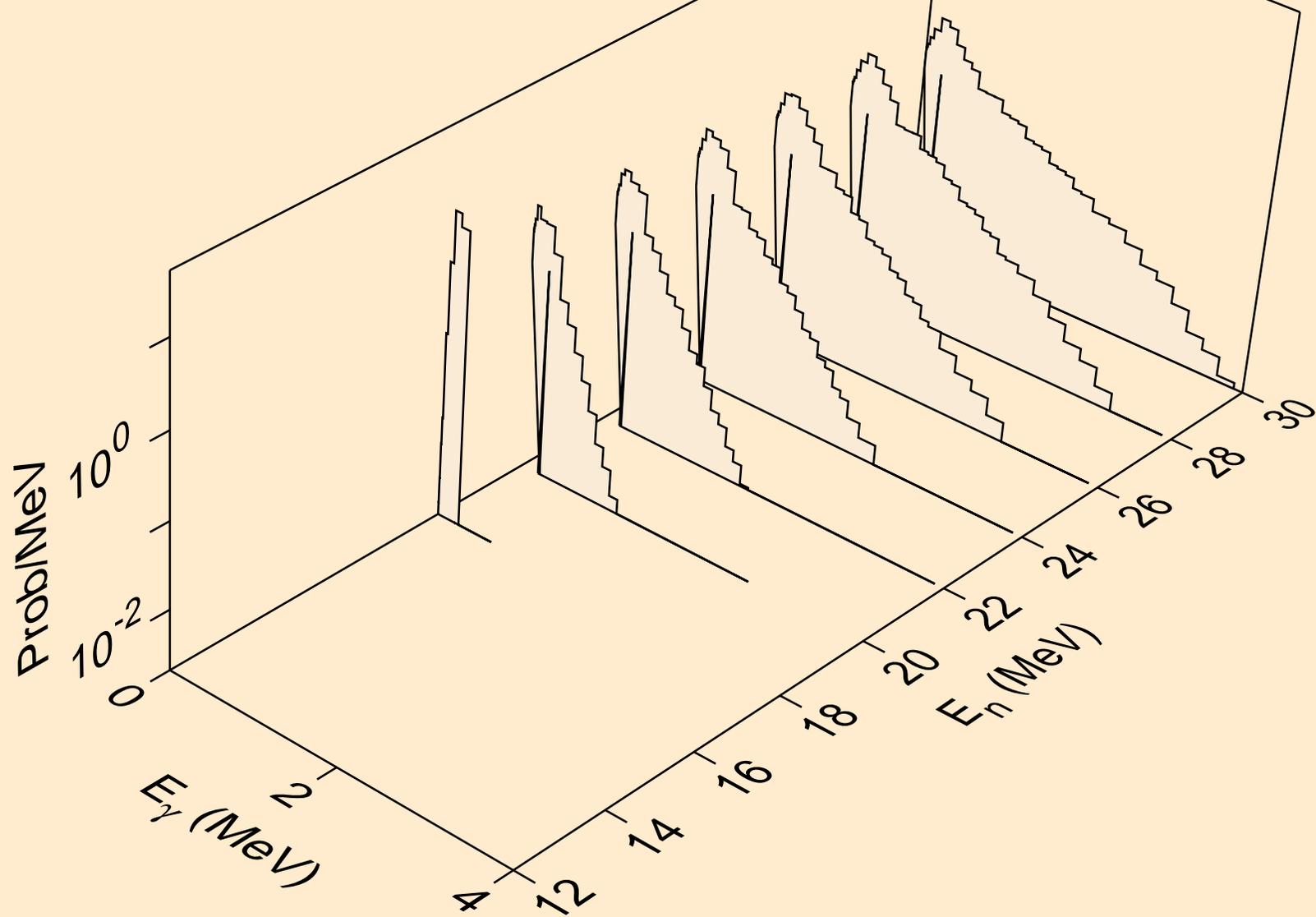ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (z,n)

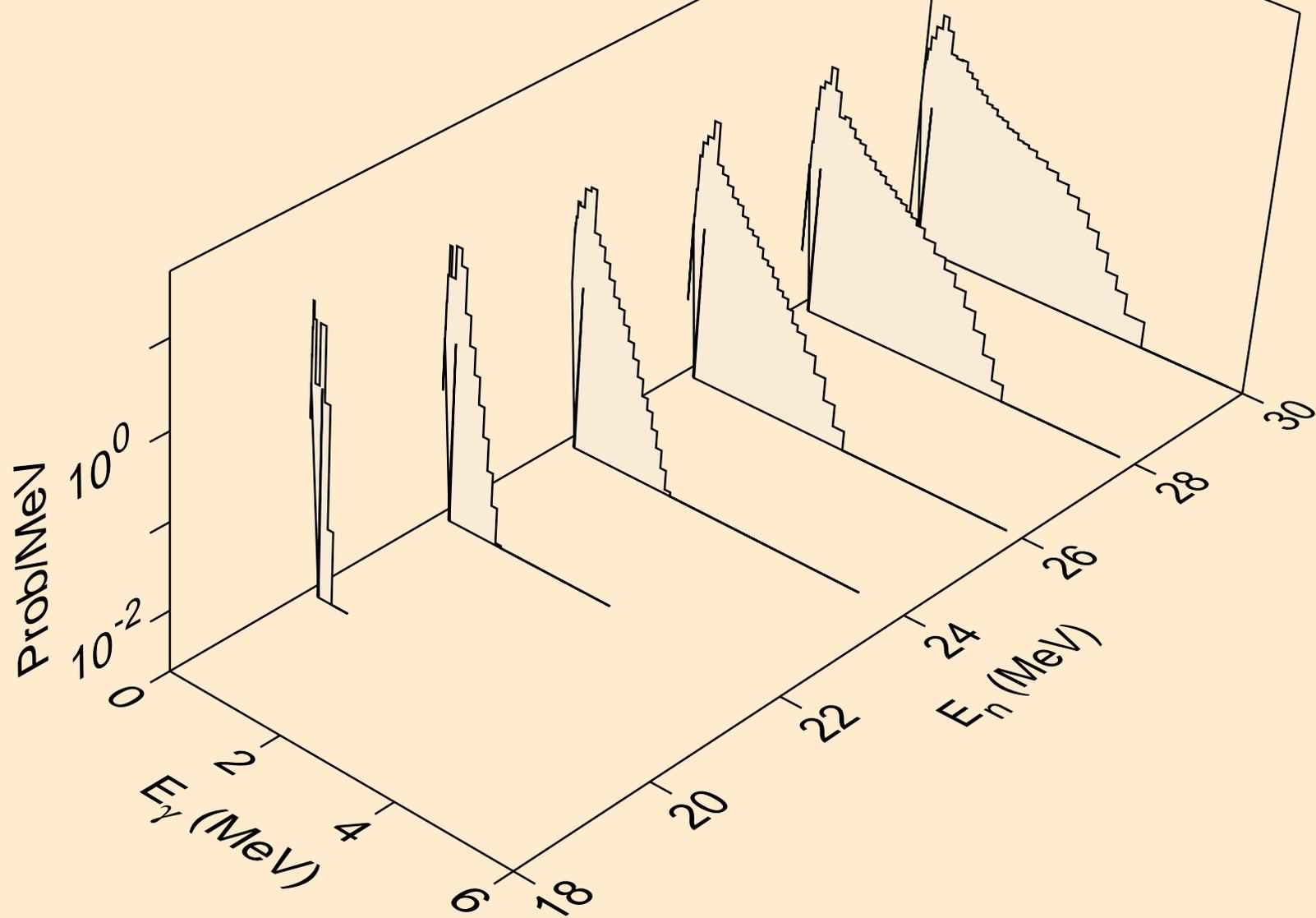ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,x)

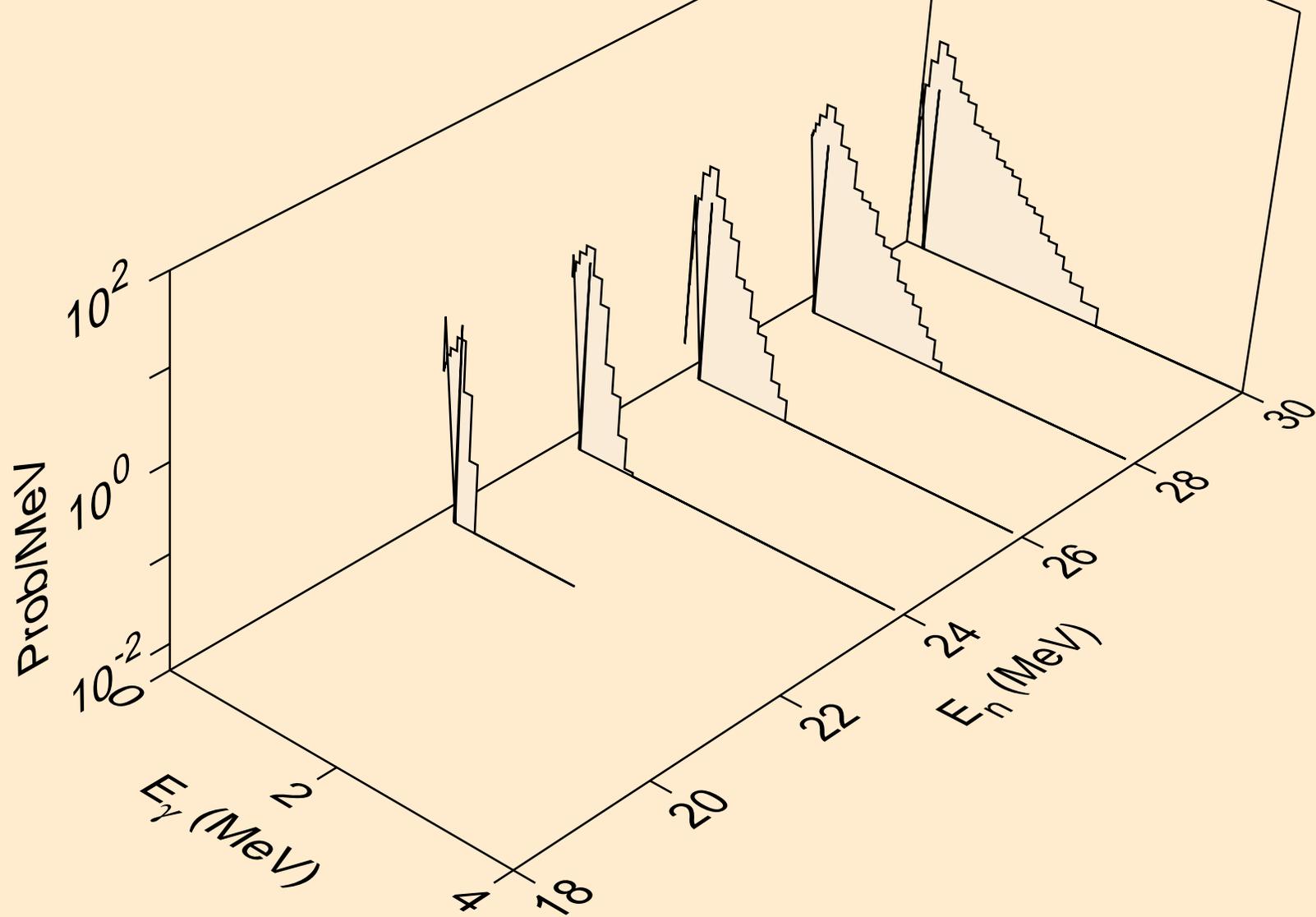ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)

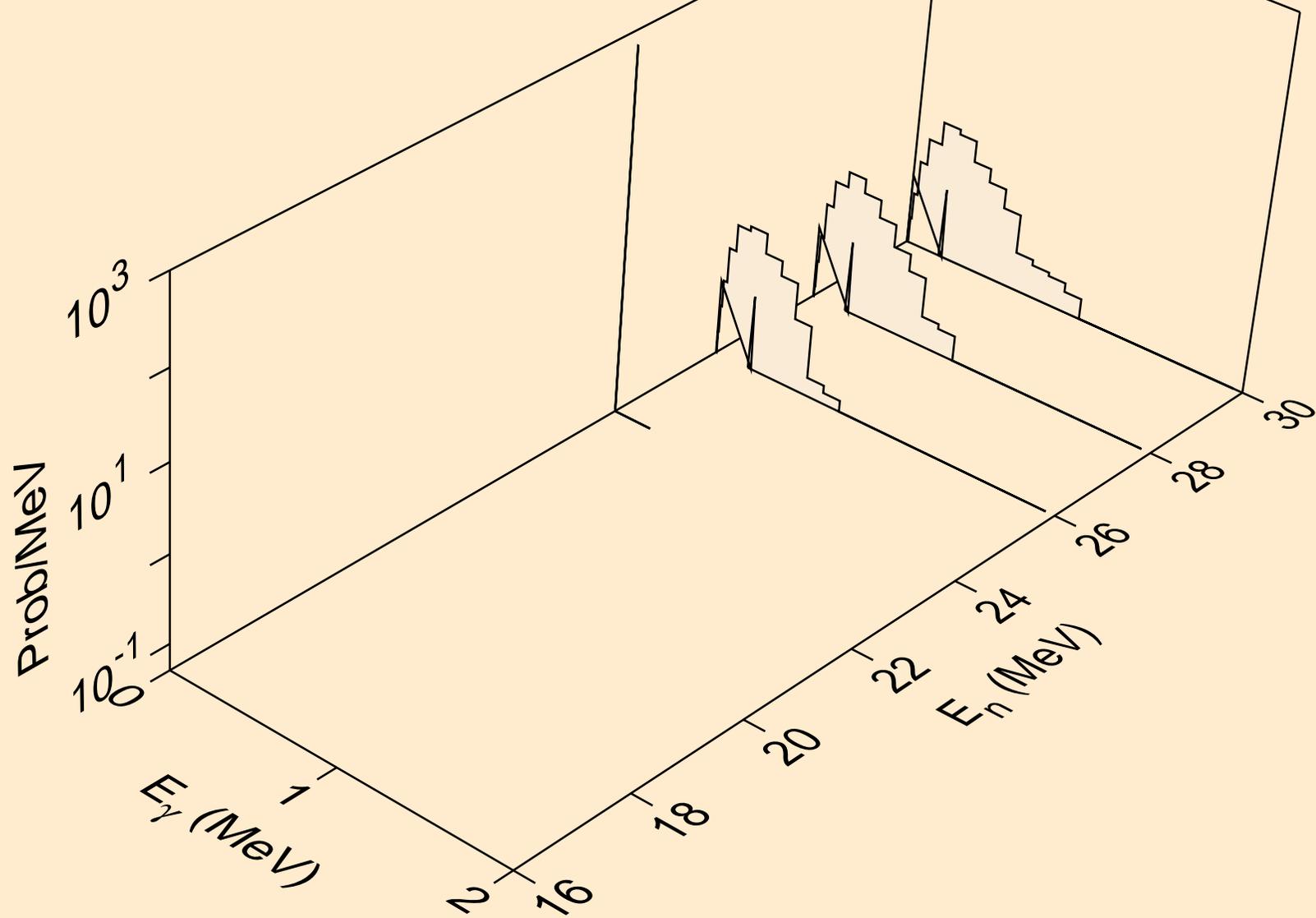ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a

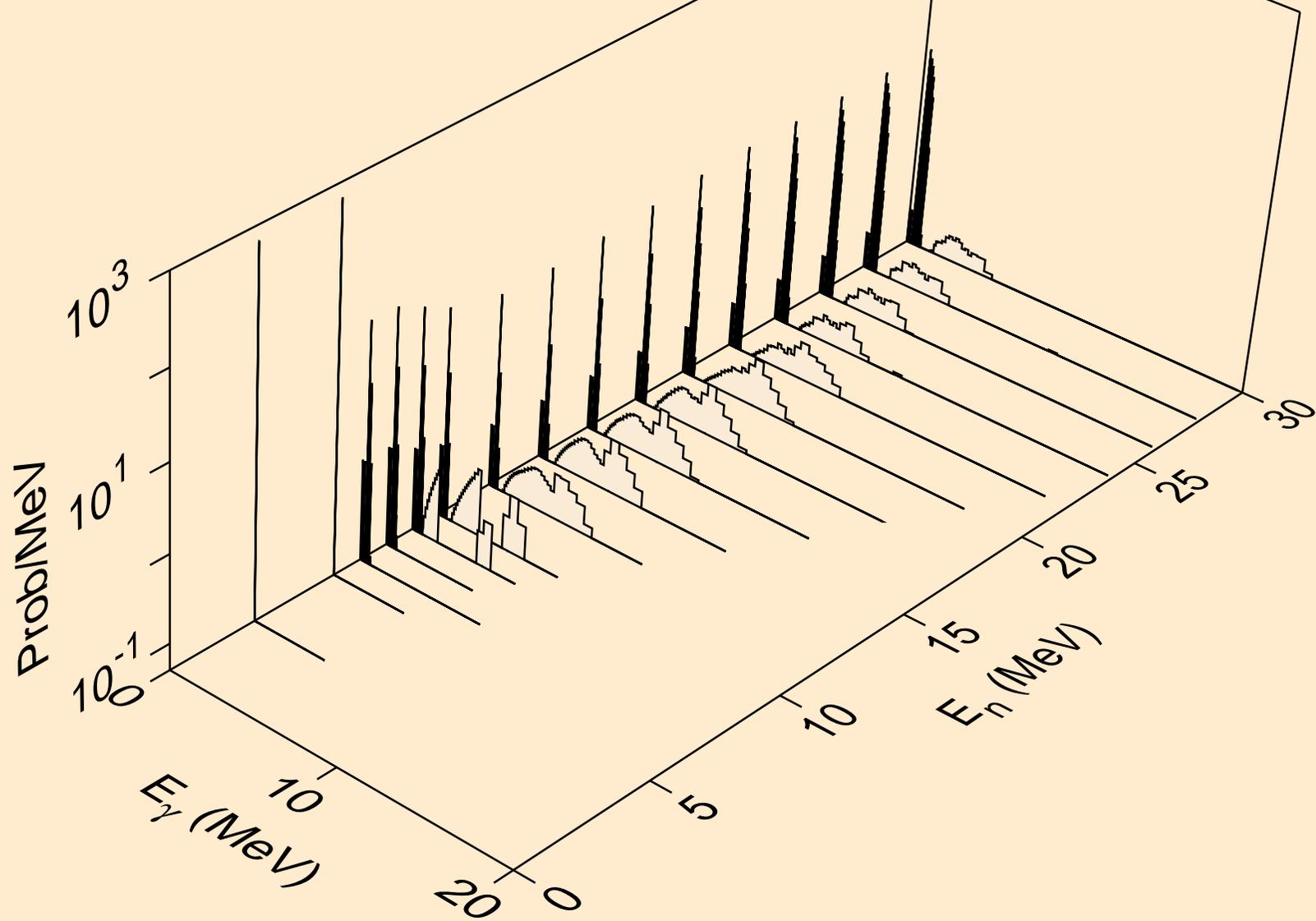ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)p

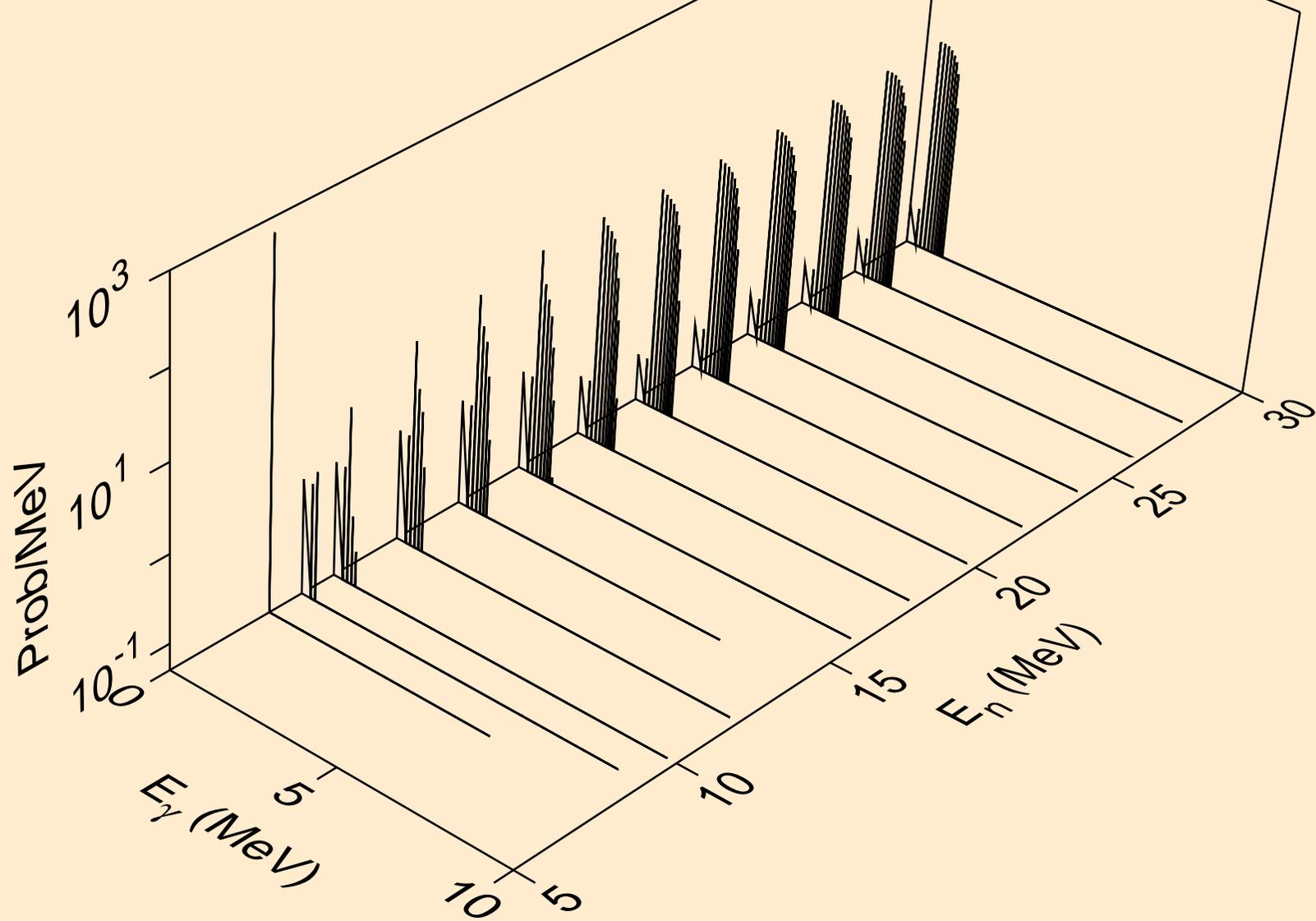ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2np)

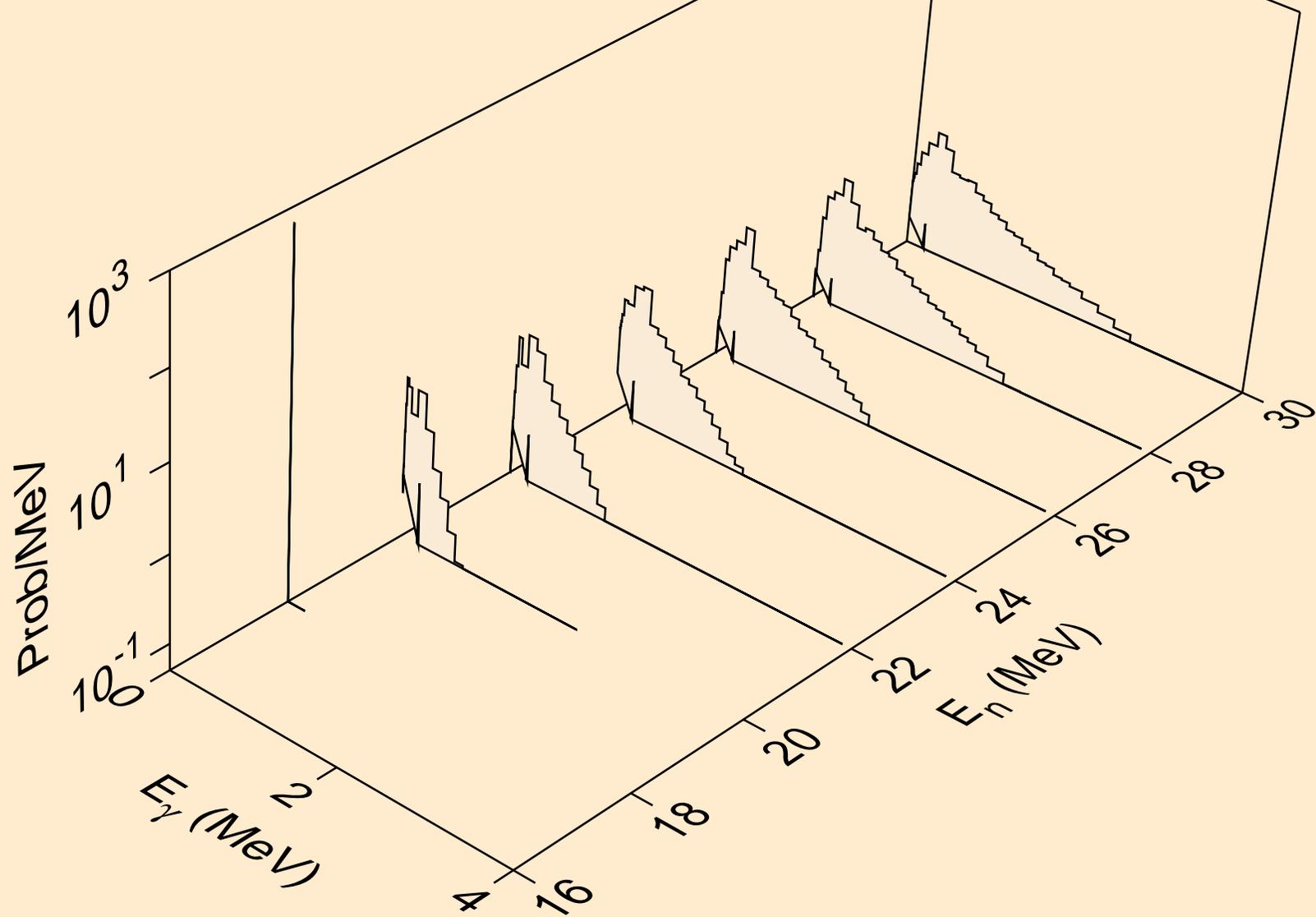ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,npa)

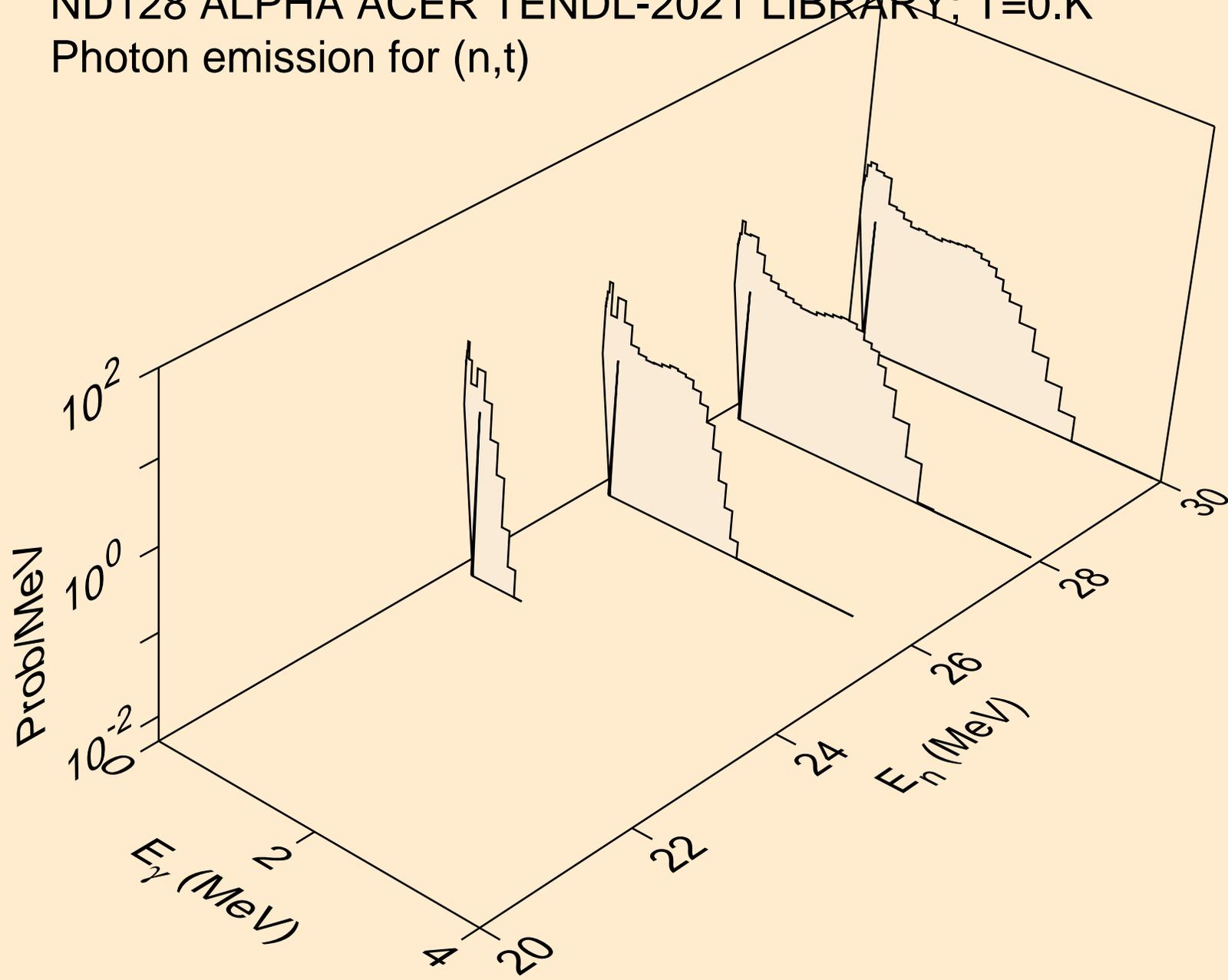ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,gma)

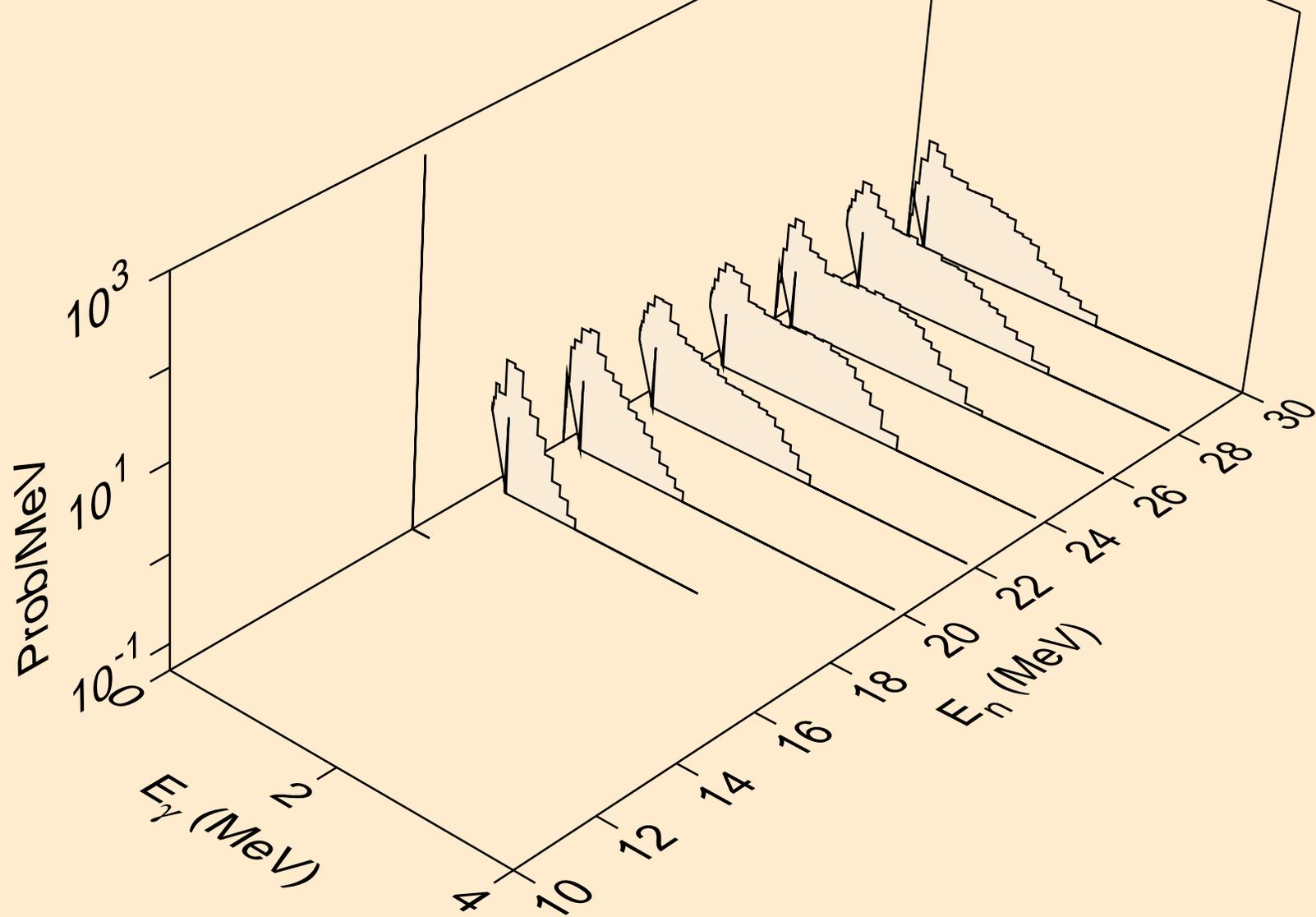ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,p)

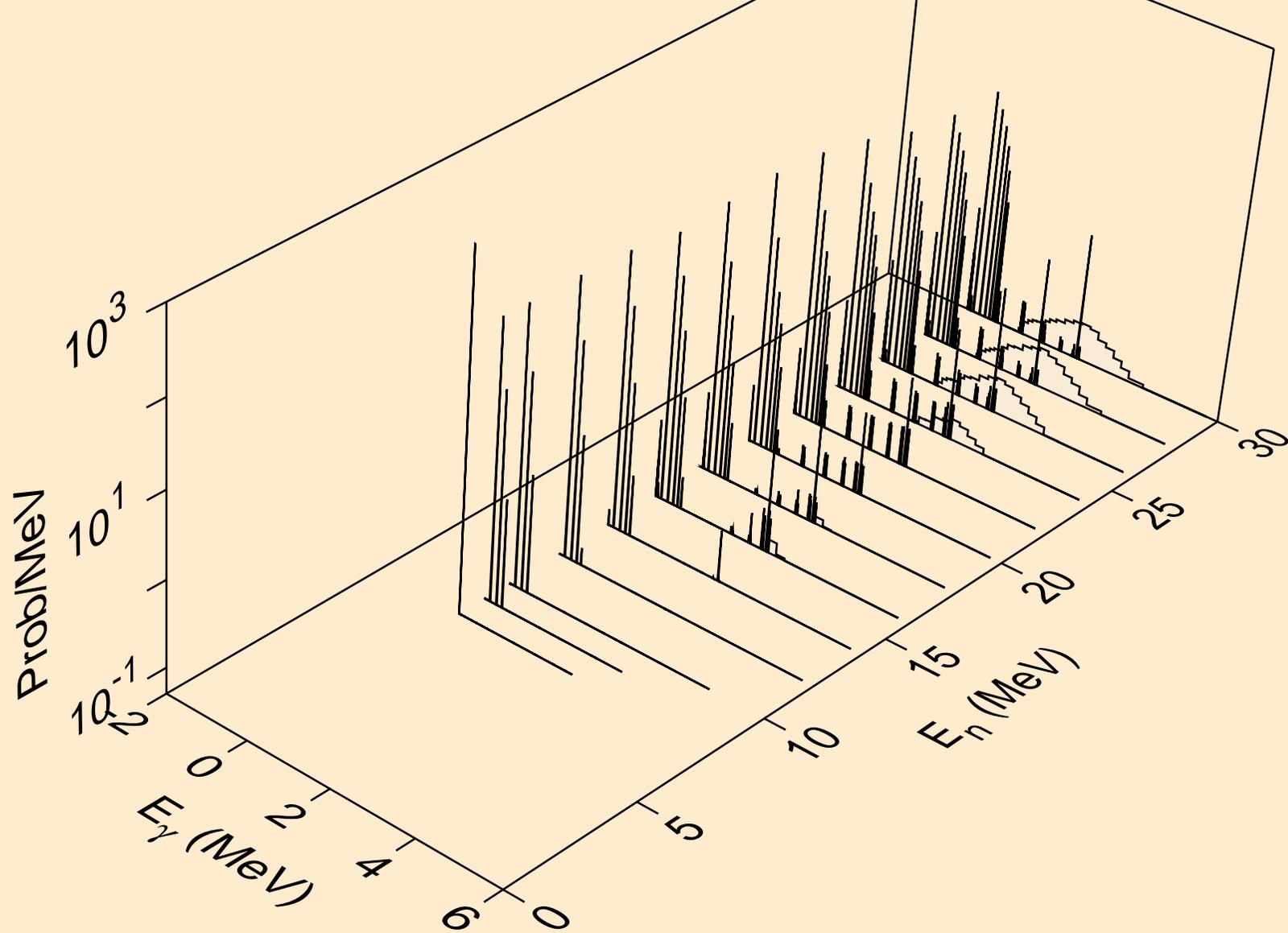ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,d)

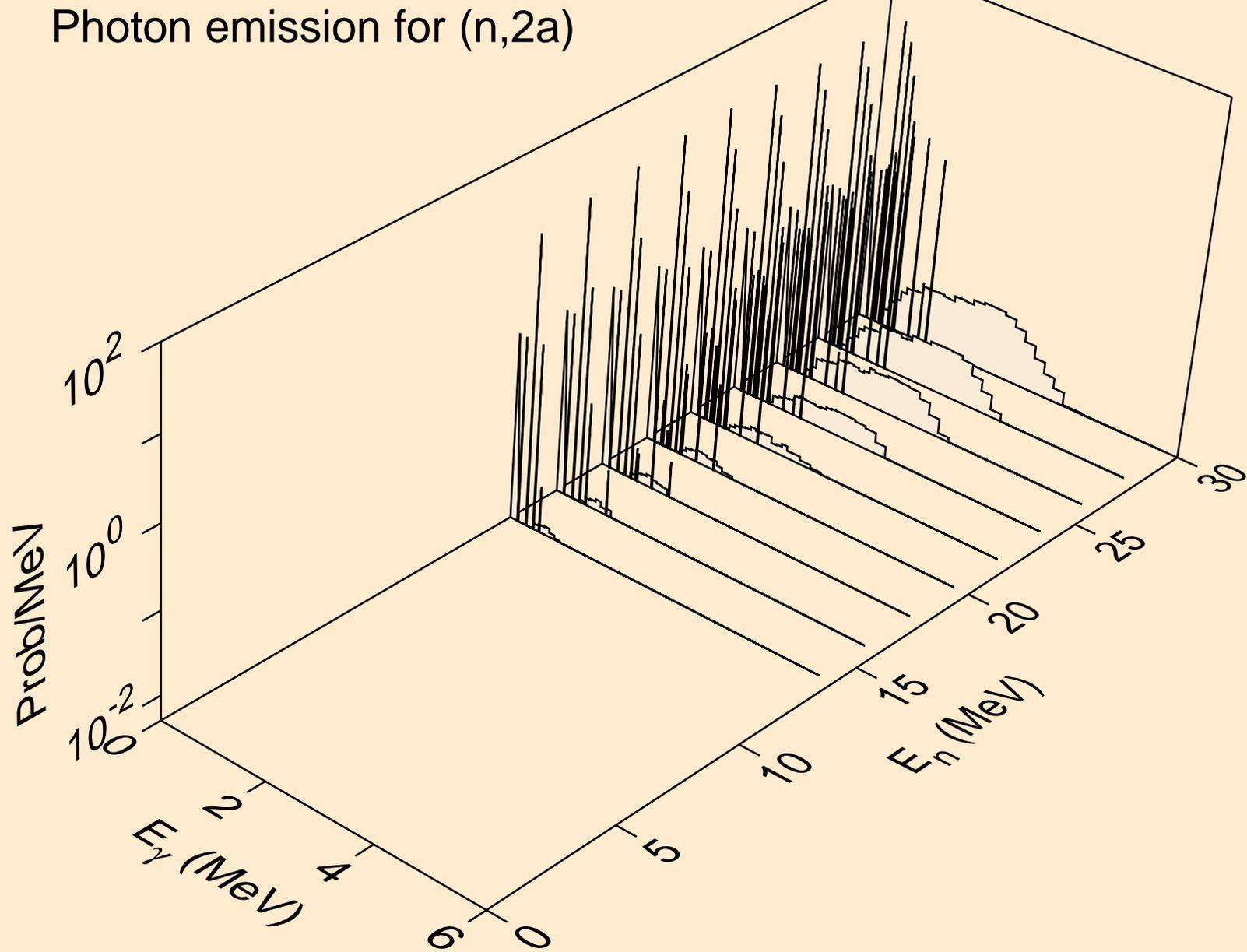ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,t)

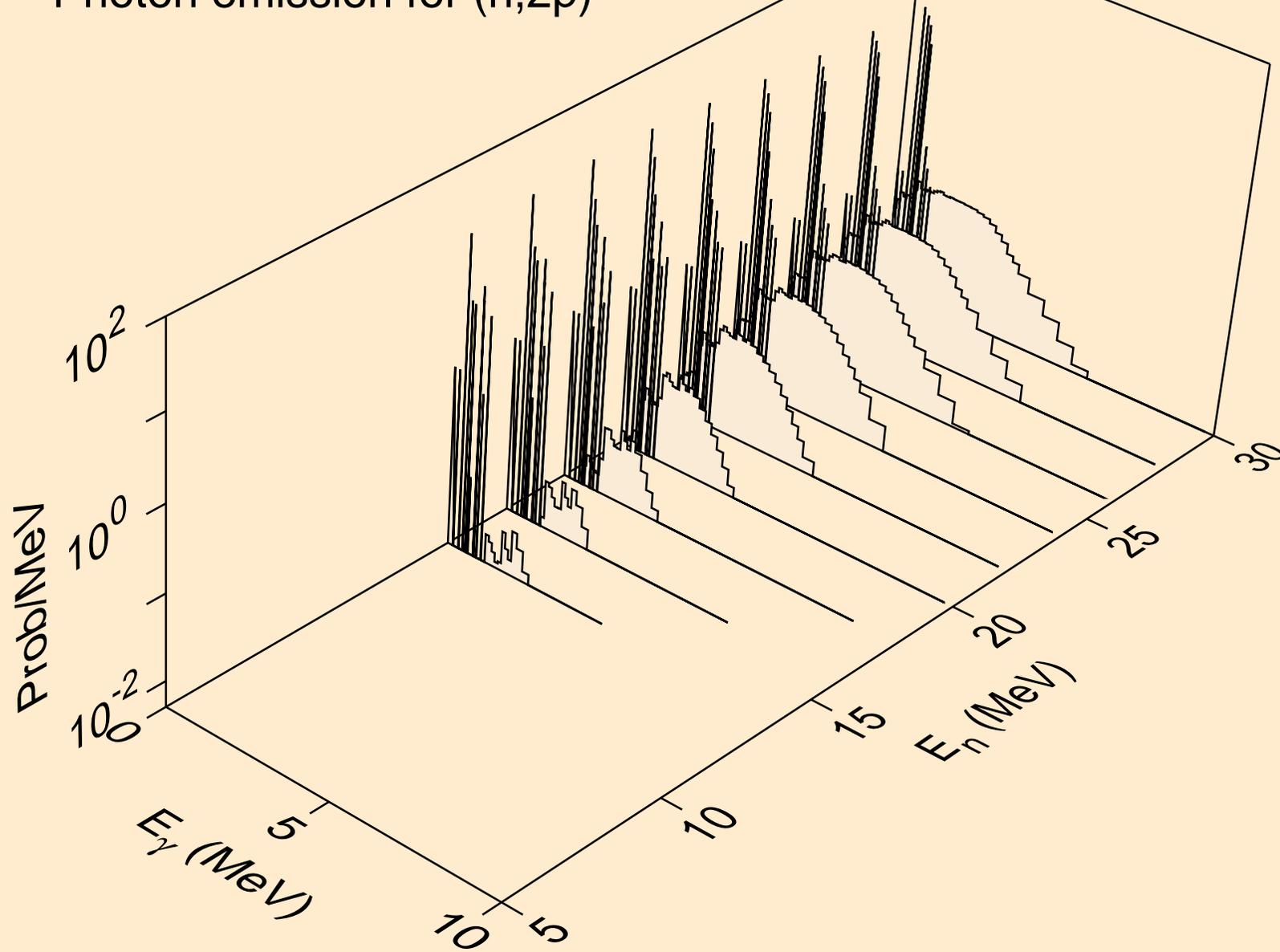ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,he3)

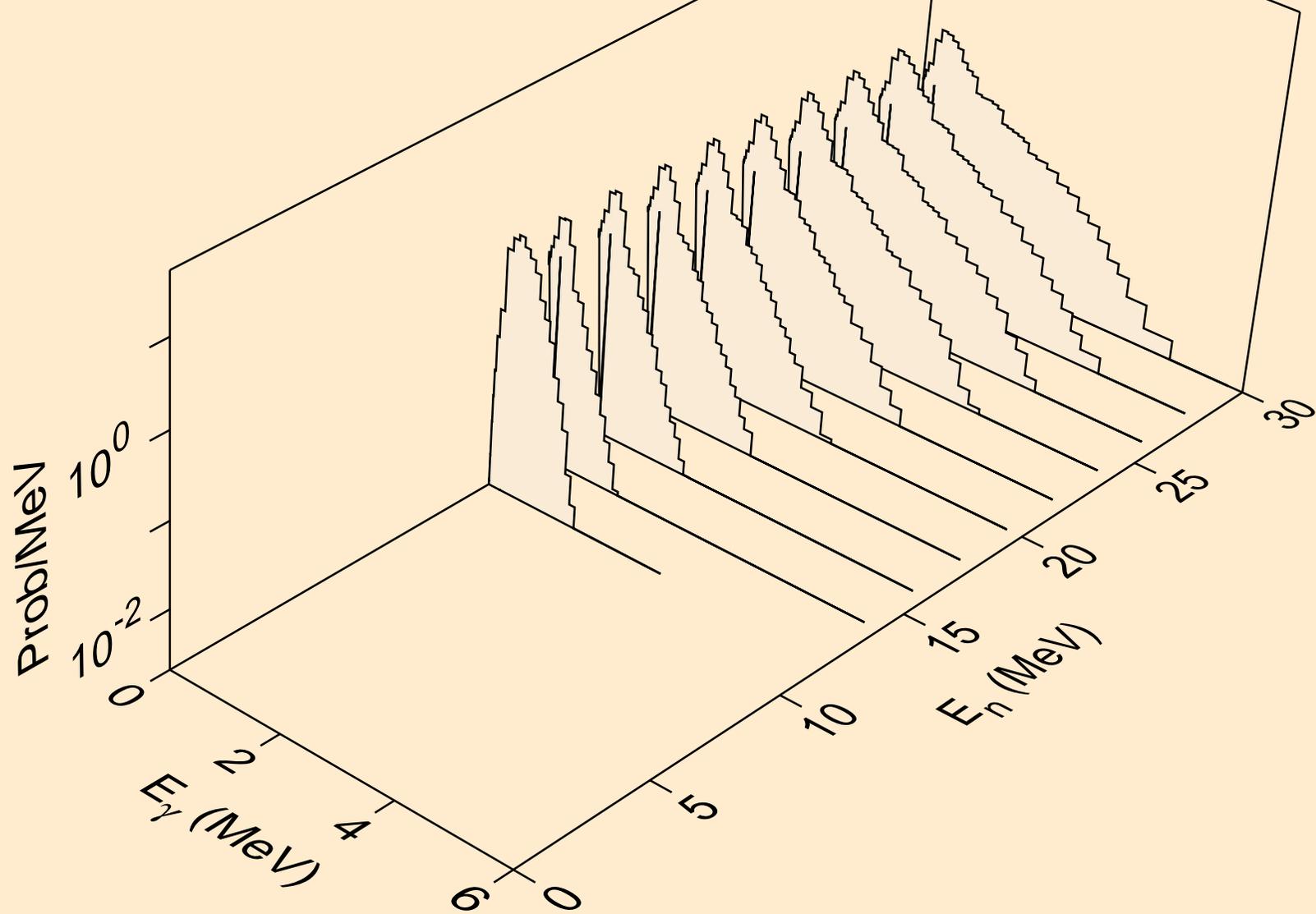ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for inelastic

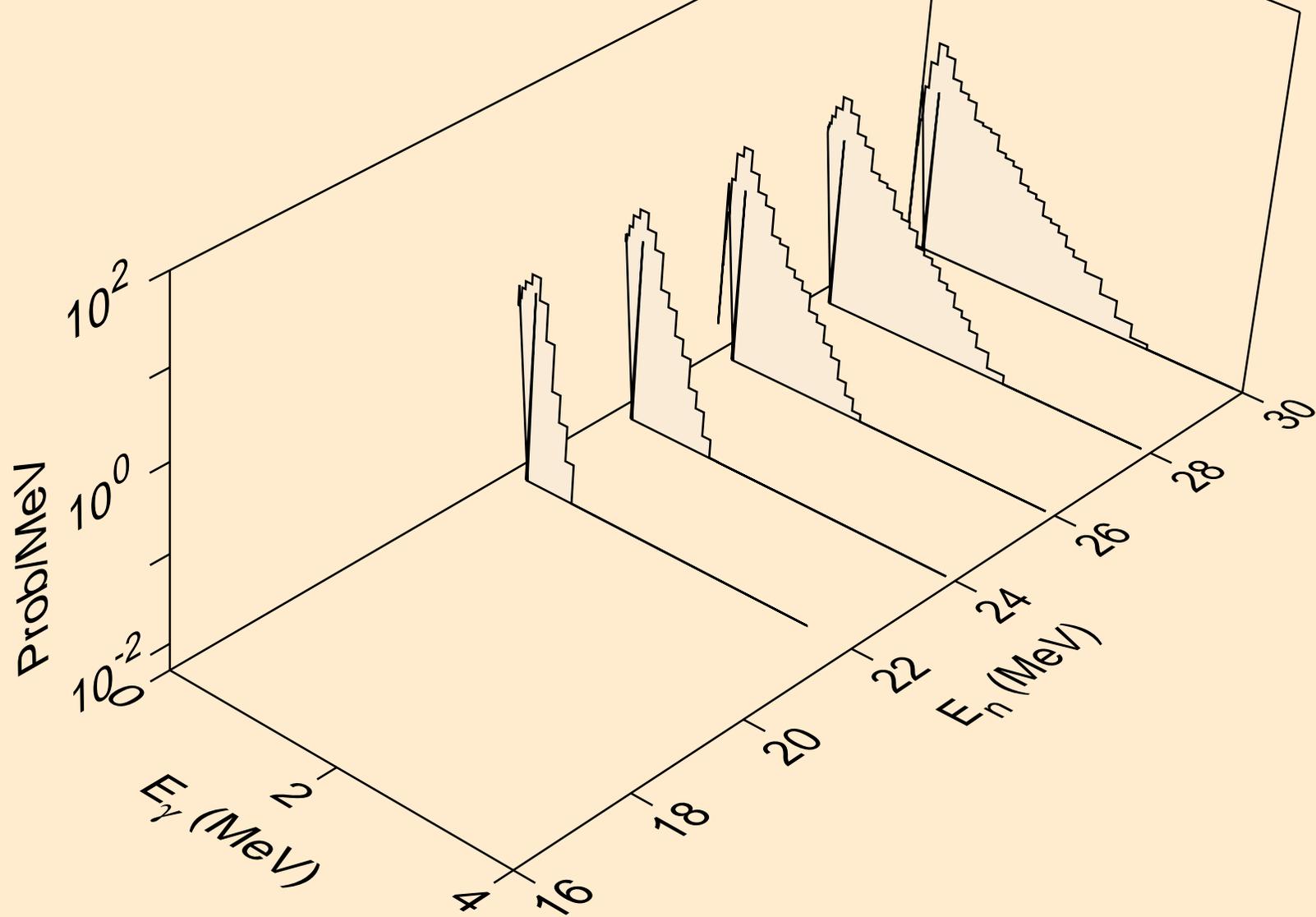ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2a)

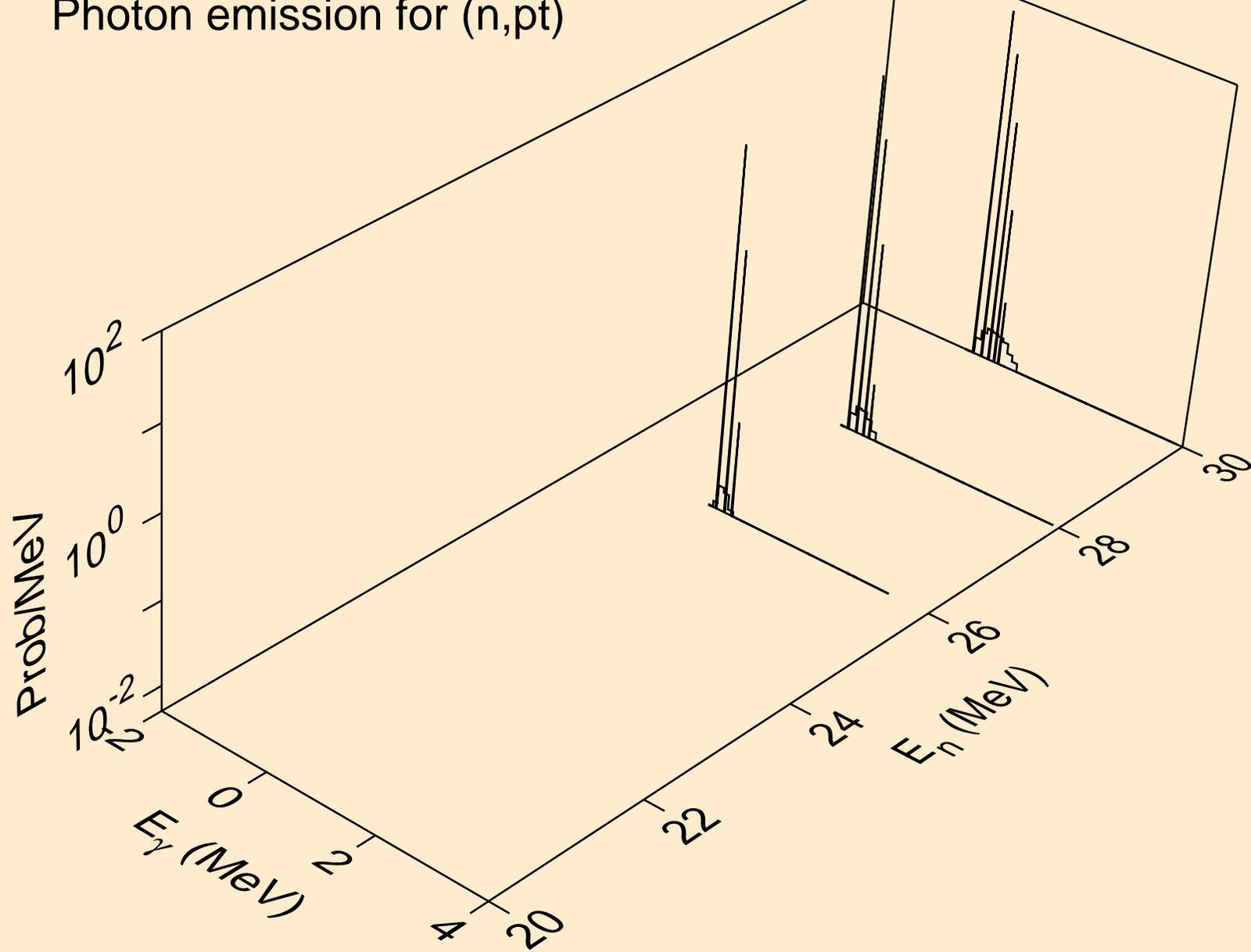ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2p)

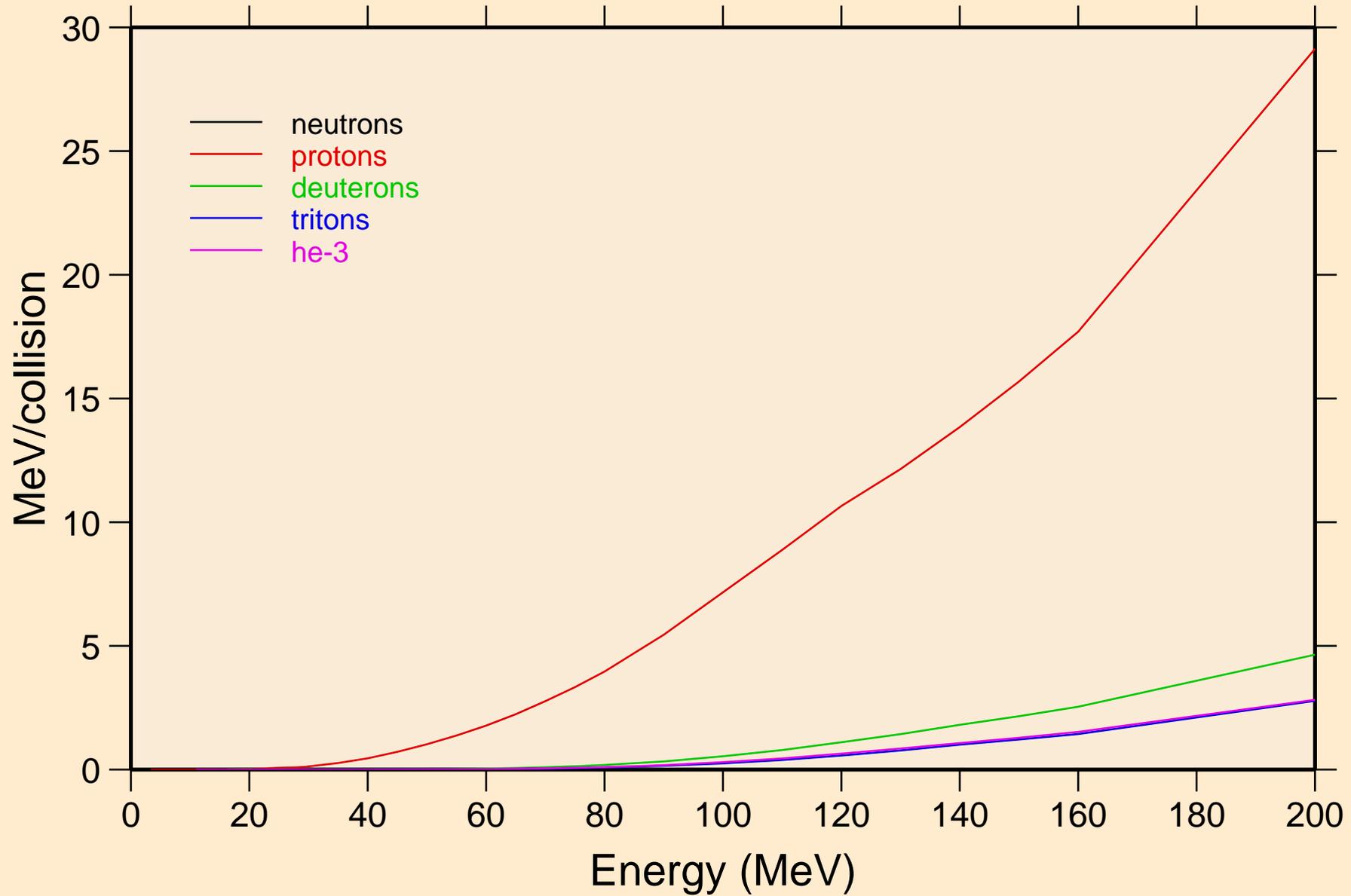ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pa)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
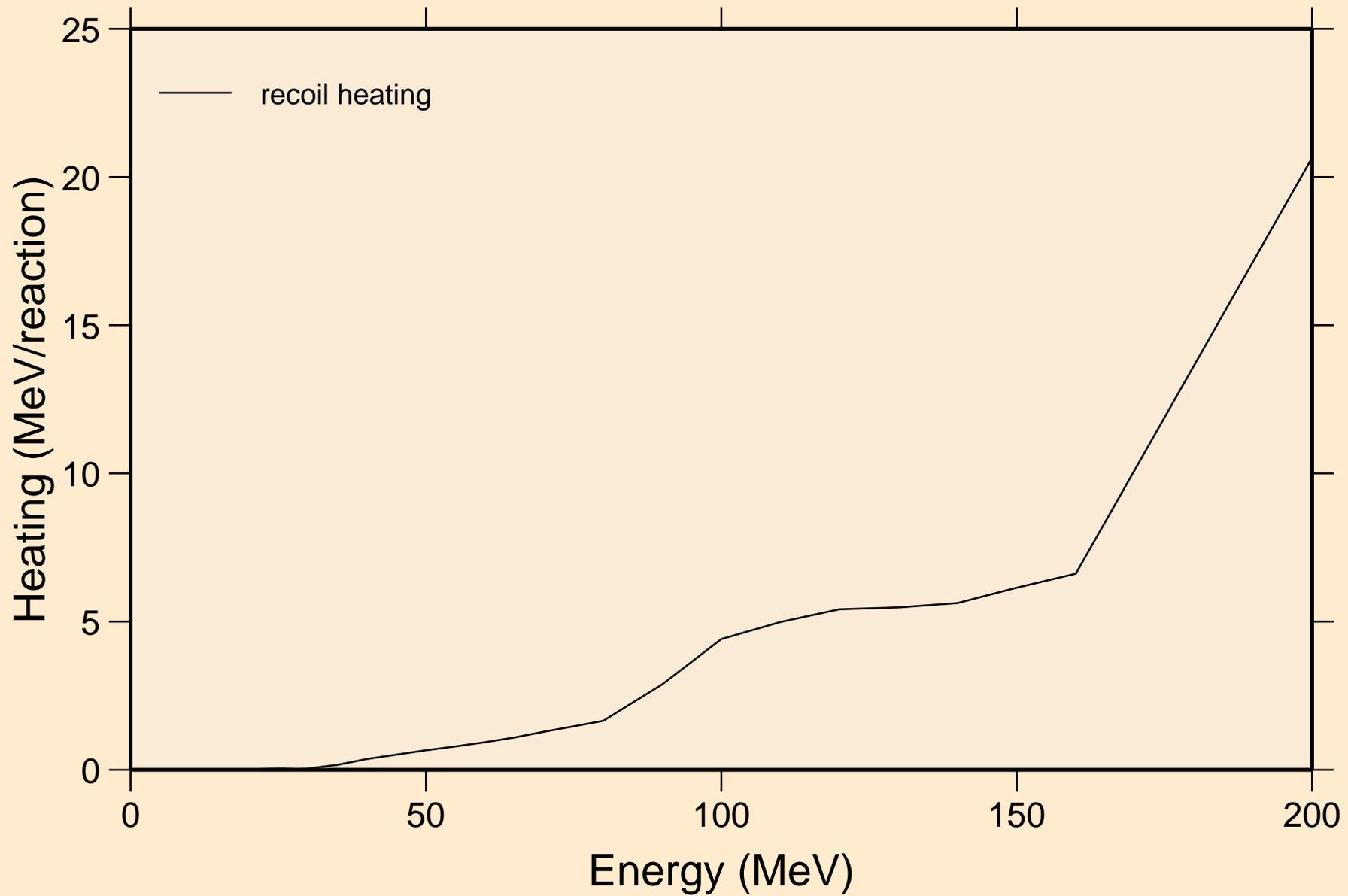Photon emission for (n,pd)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
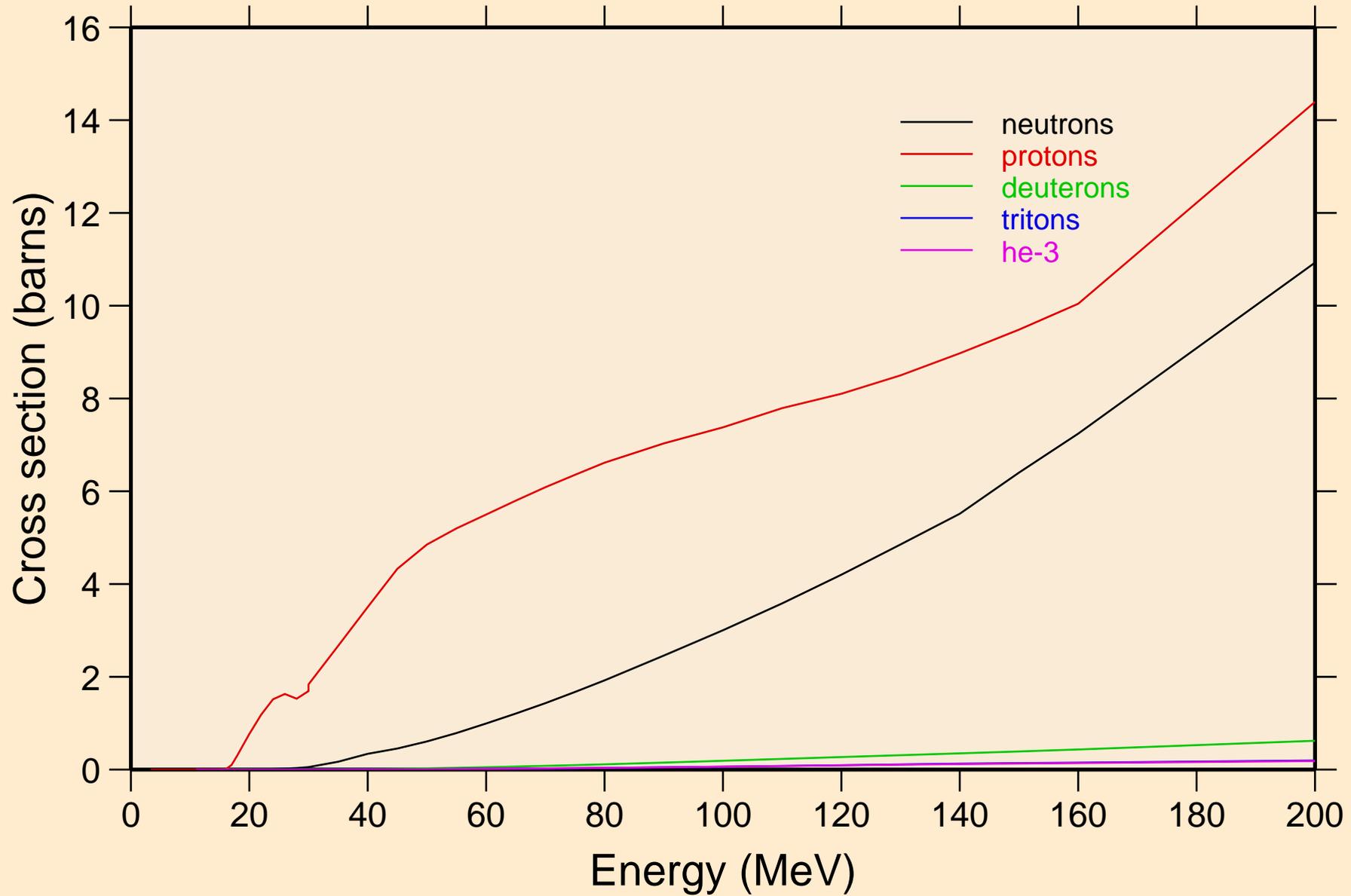Photon emission for (n,pt)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
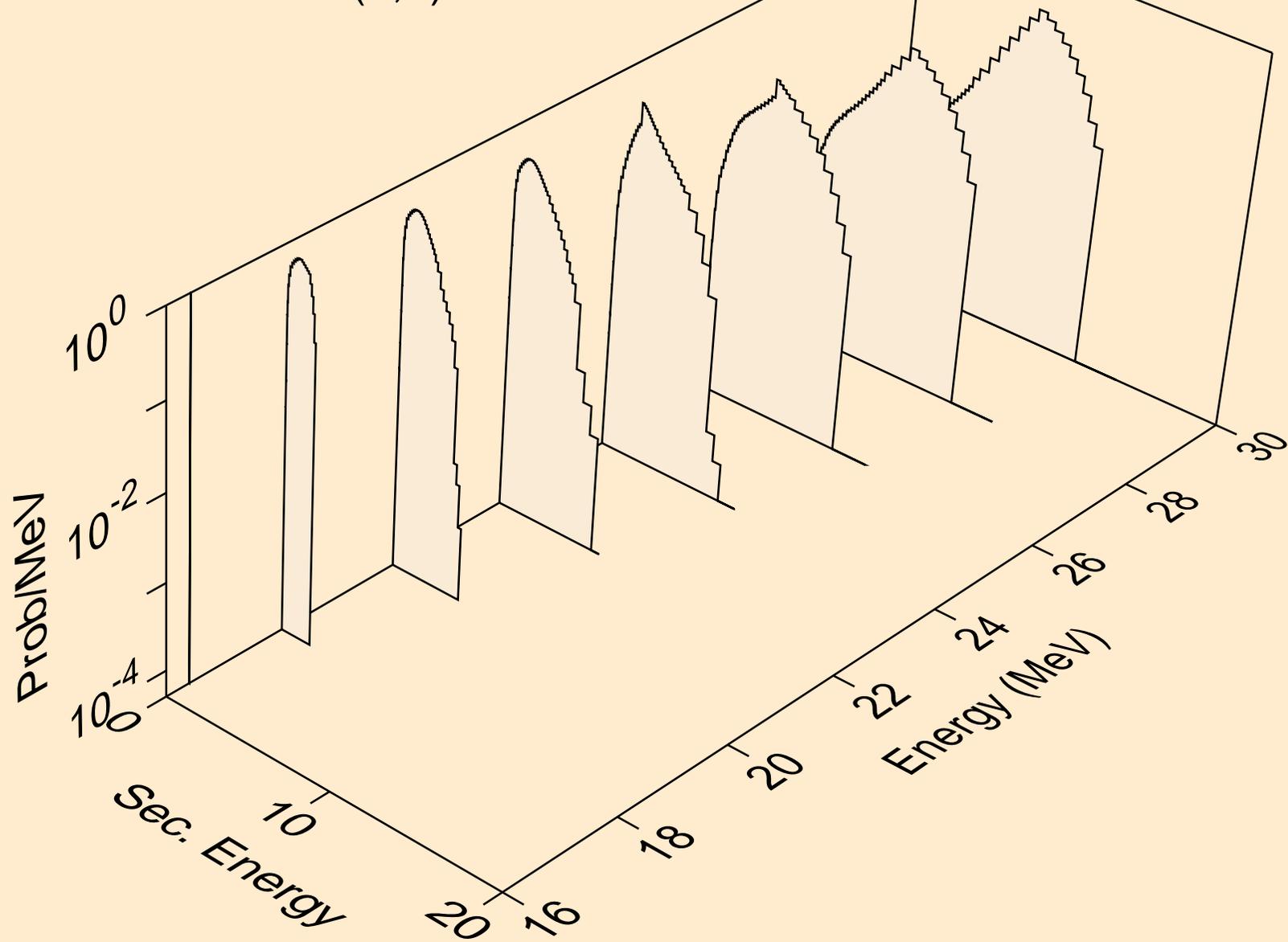Particle heating contributions

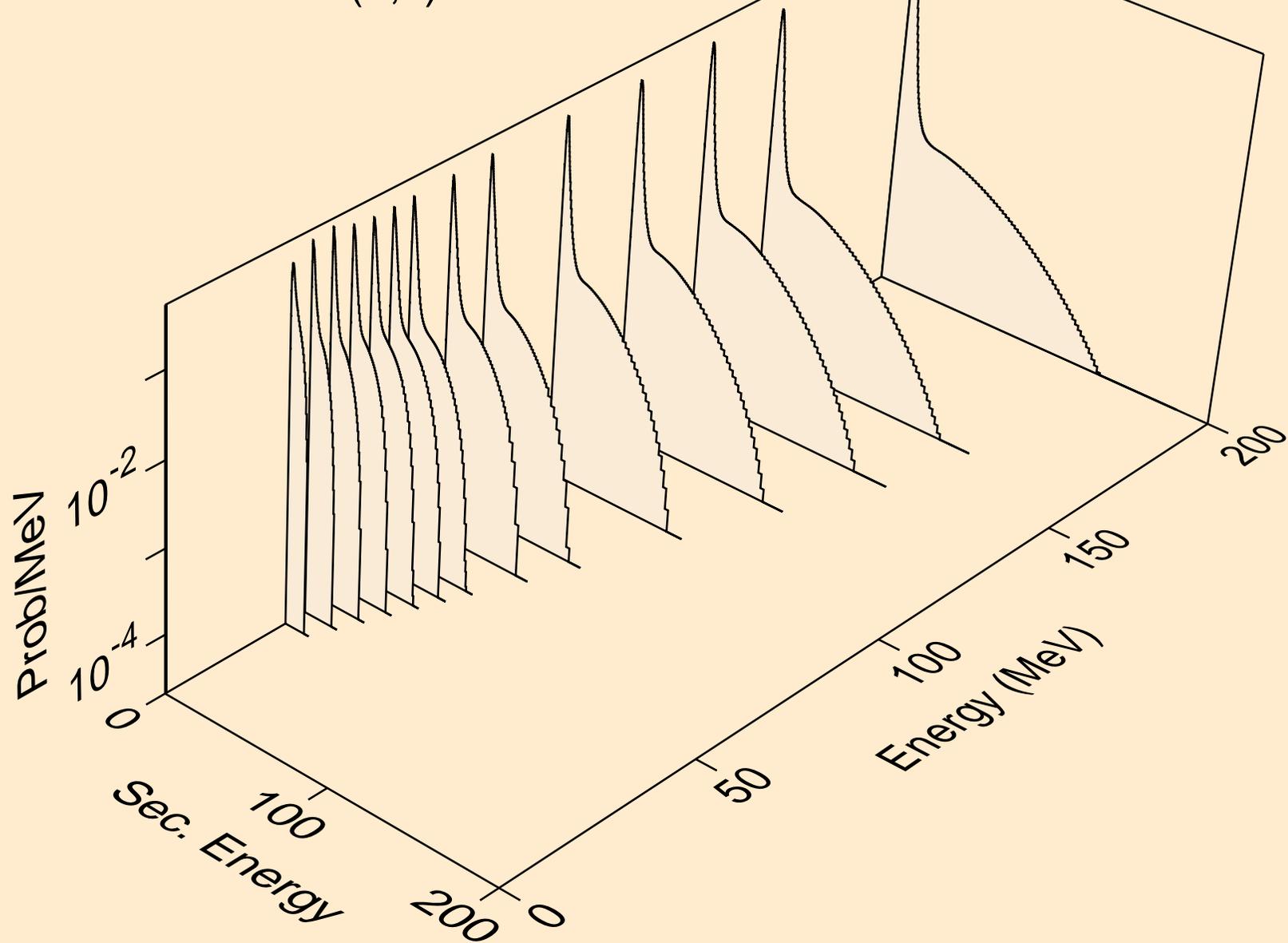ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Recoil Heating

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
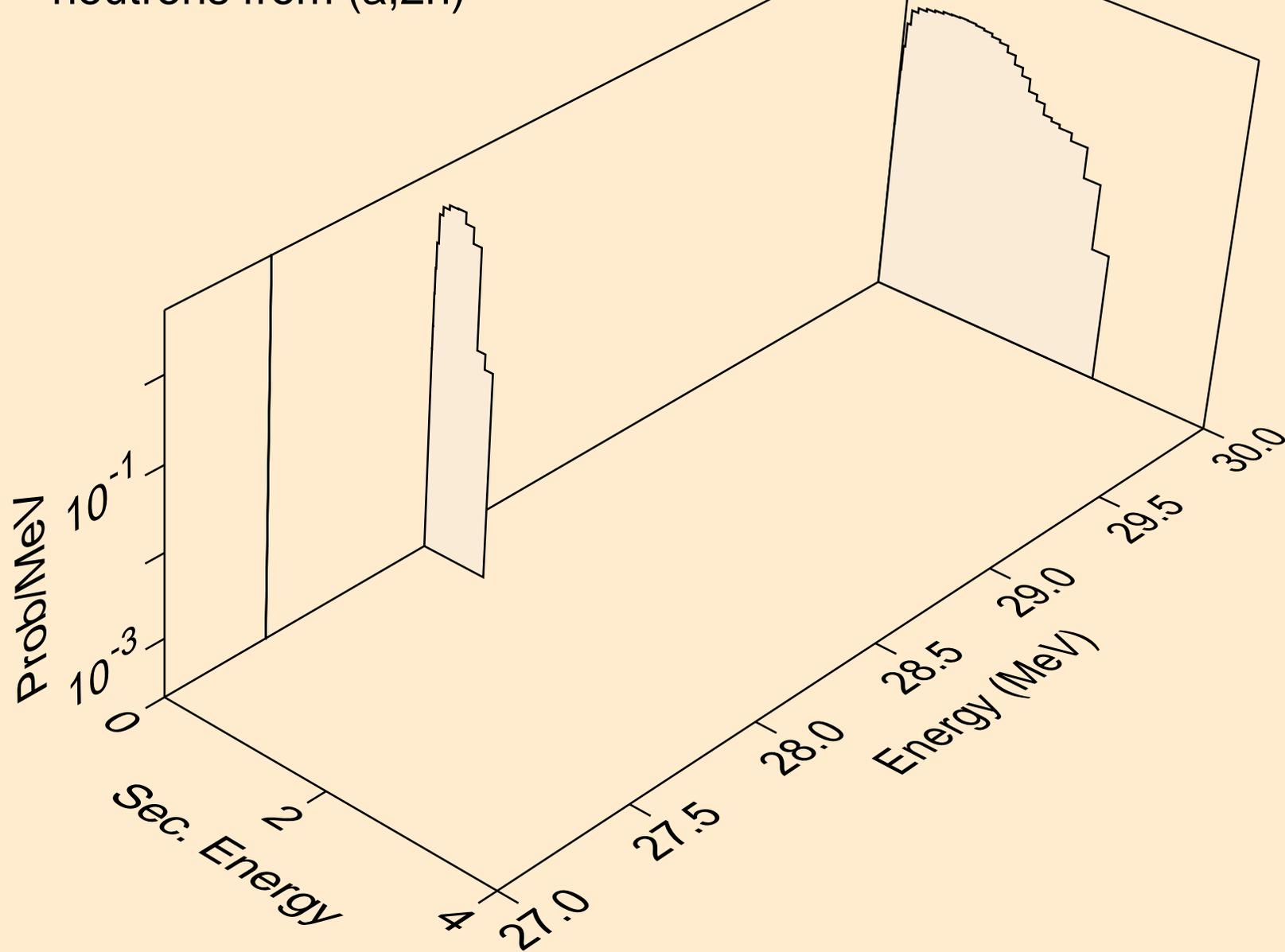Particle production cross sections

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
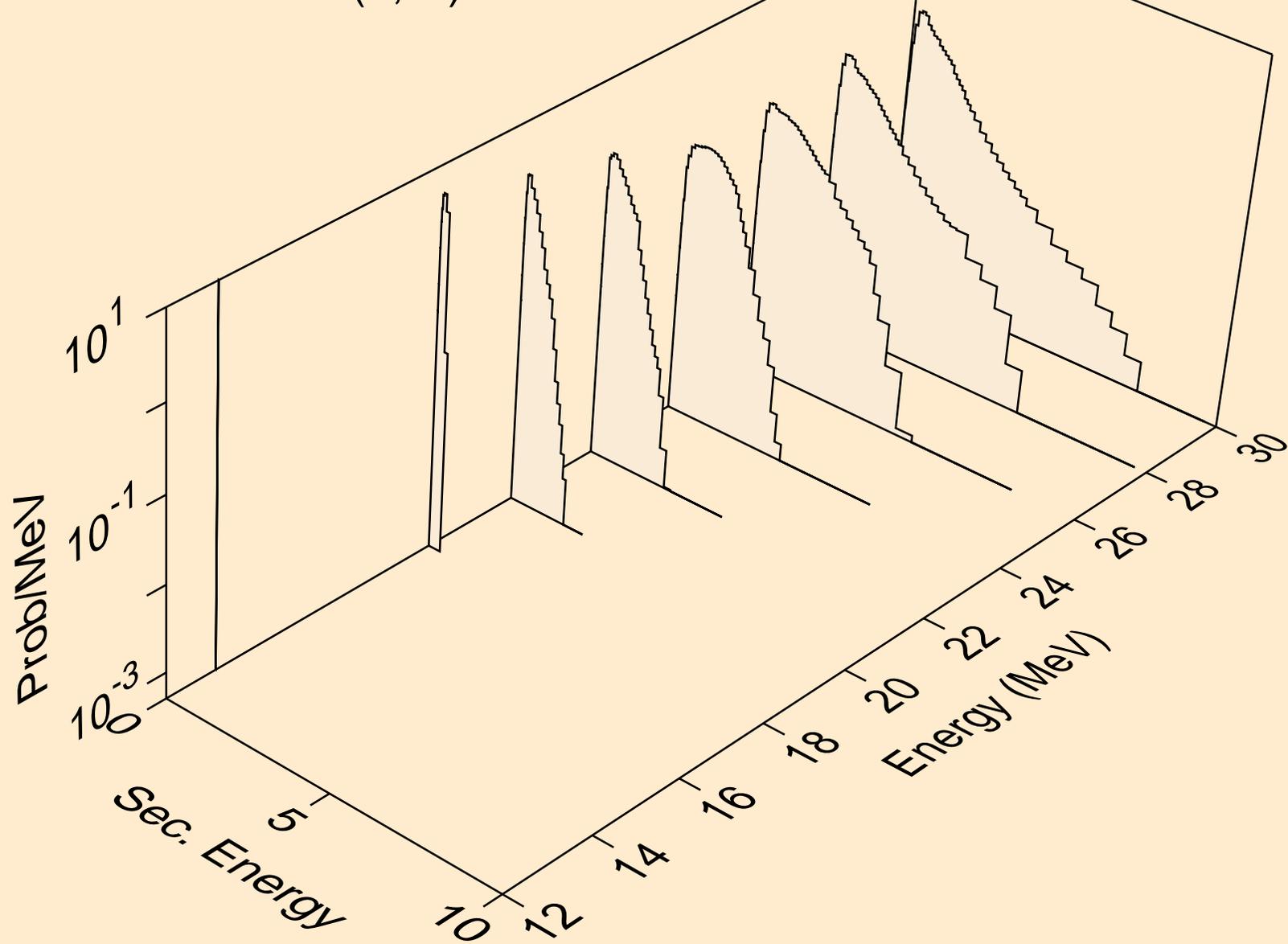neutrons from (a,n)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
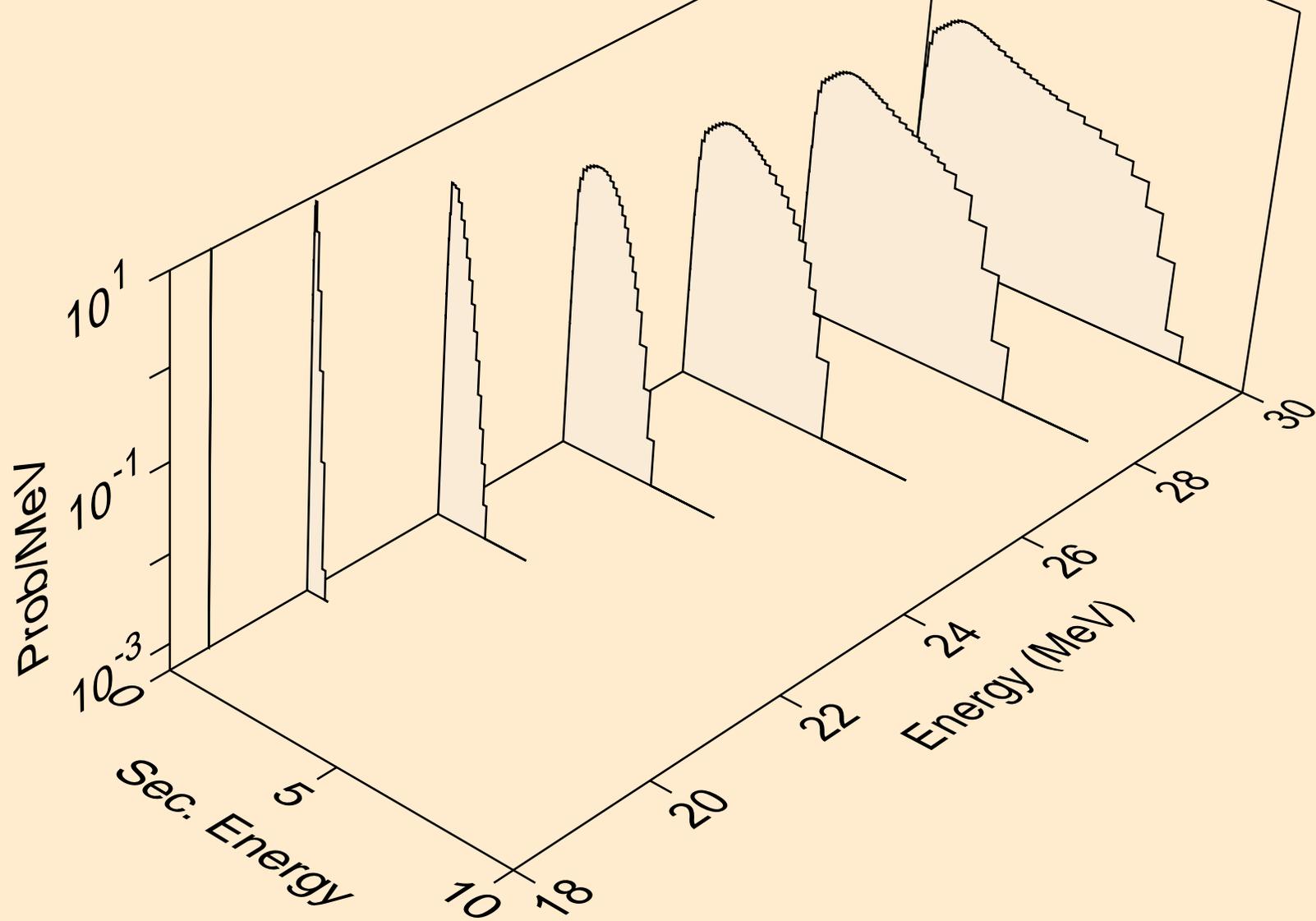neutrons from (a,x)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
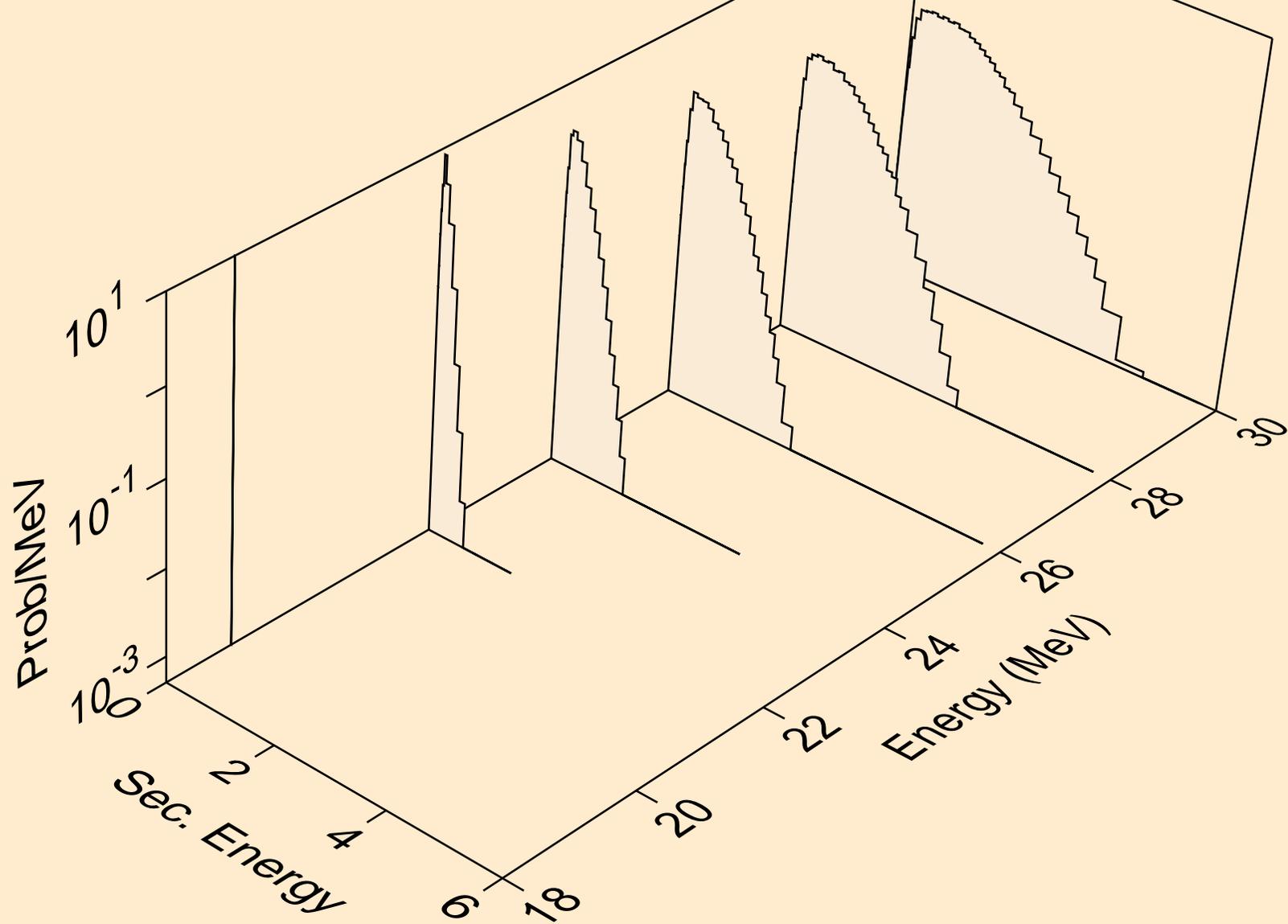neutrons from (a,2n)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
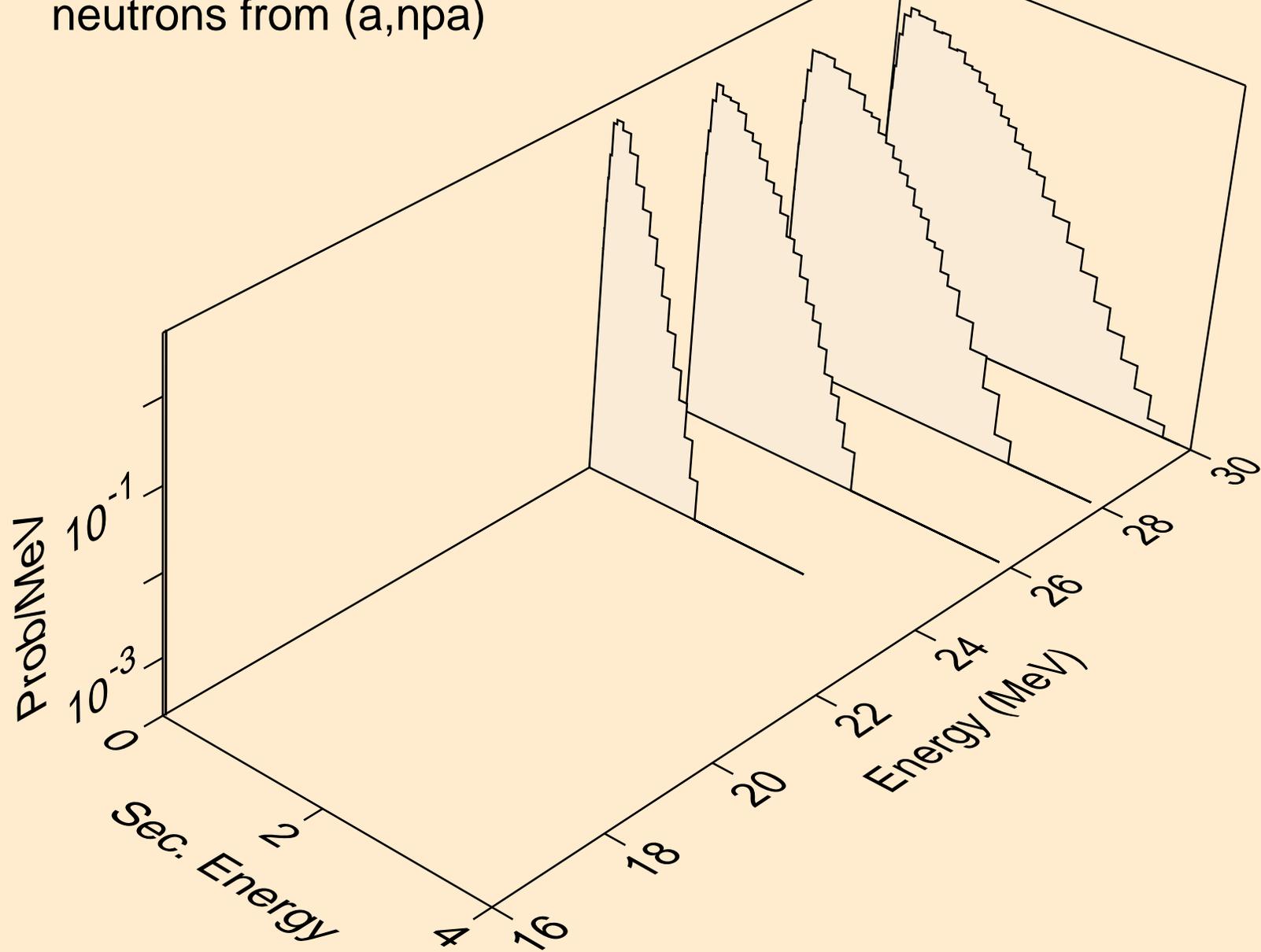neutrons from (a,n*)a

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
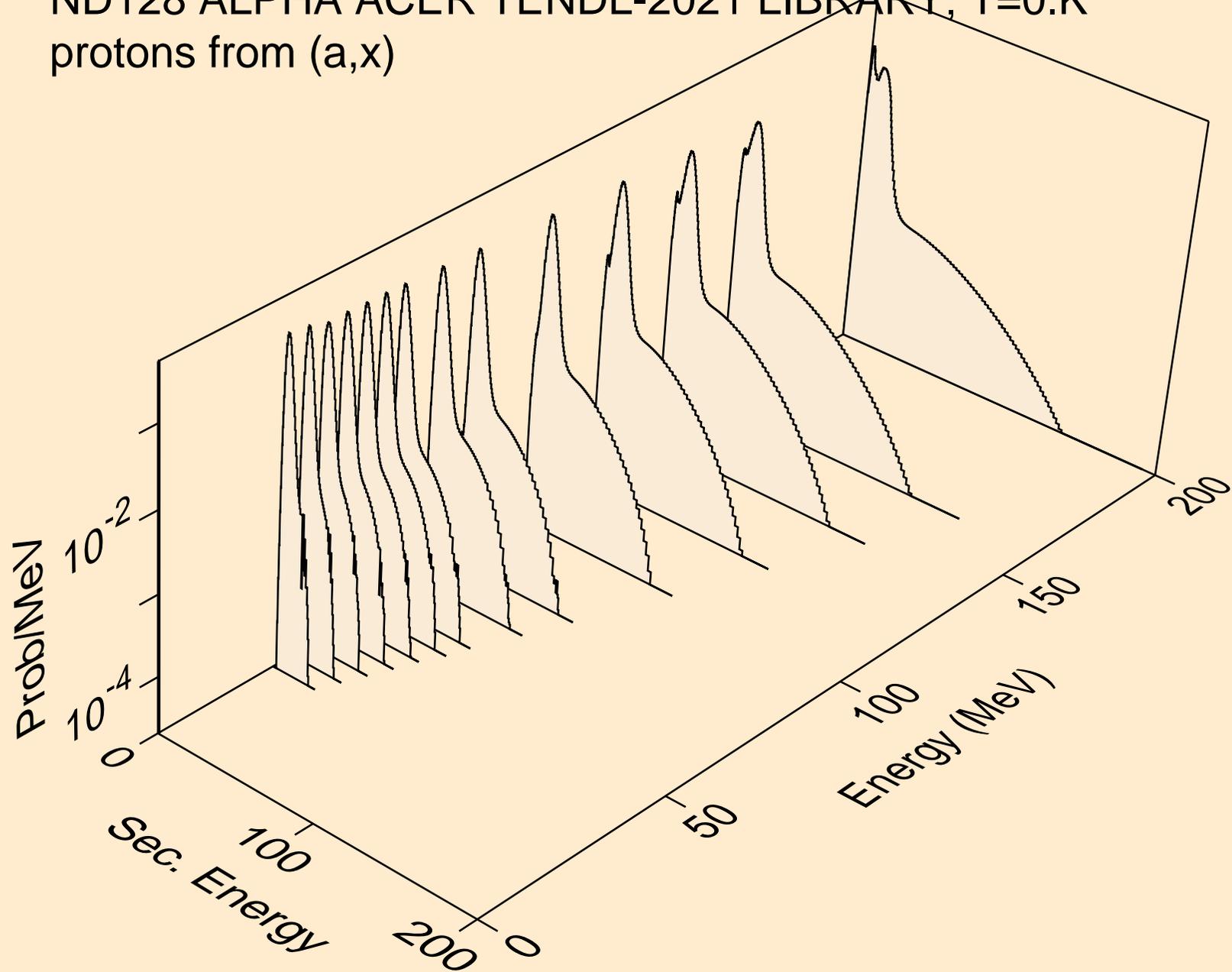neutrons from (a,n*)p

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
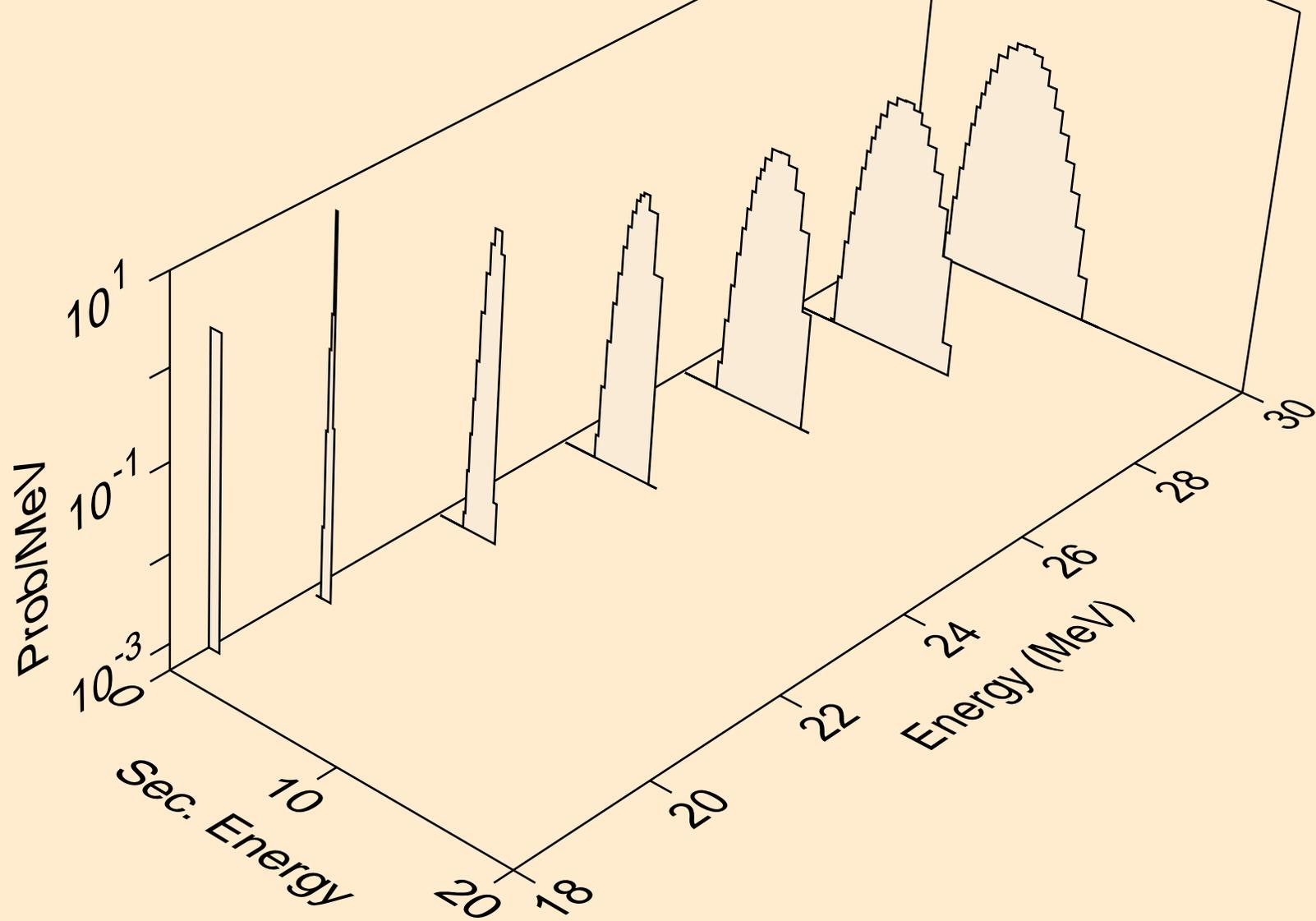neutrons from (a,2np)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
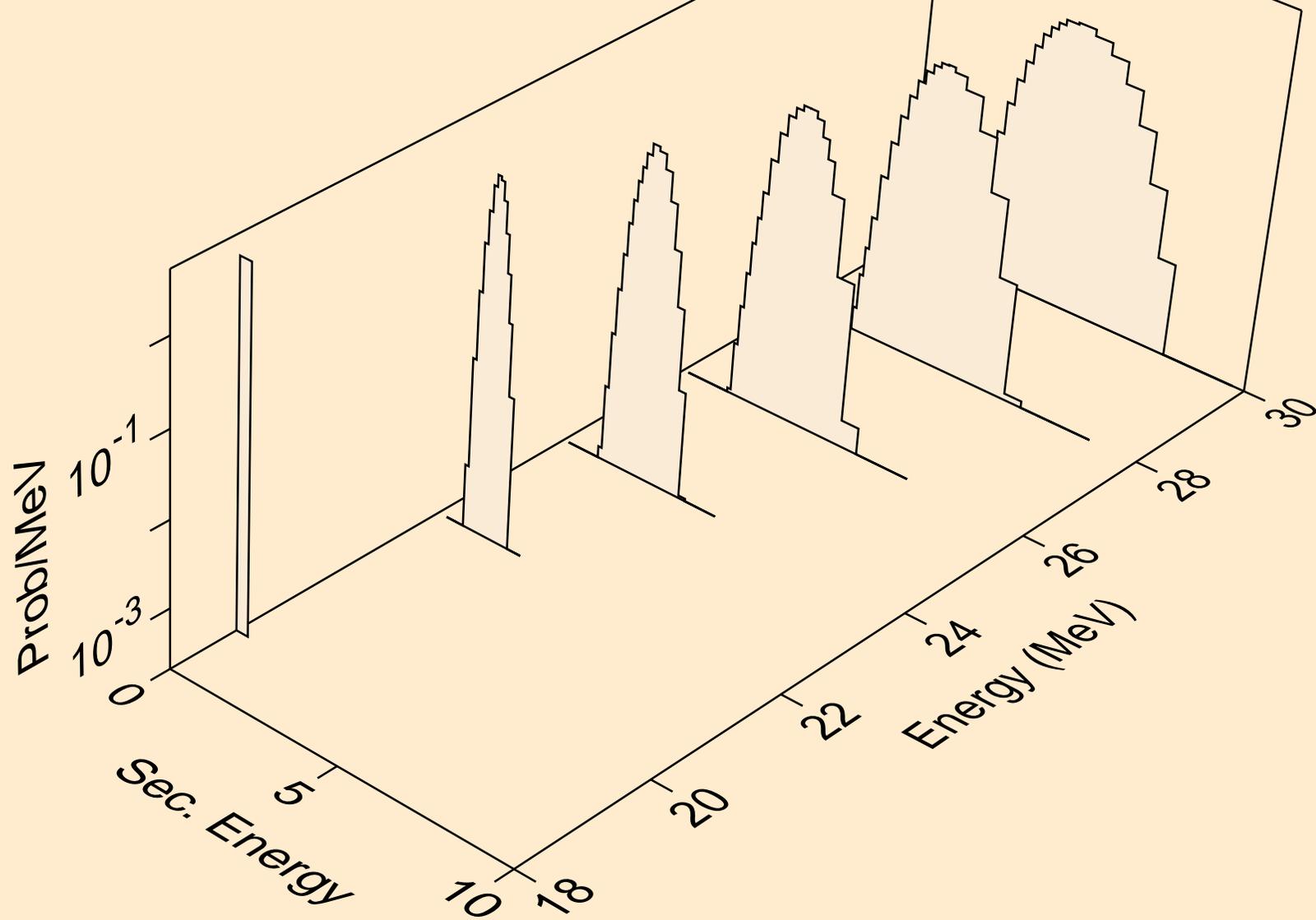neutrons from (a,npa)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
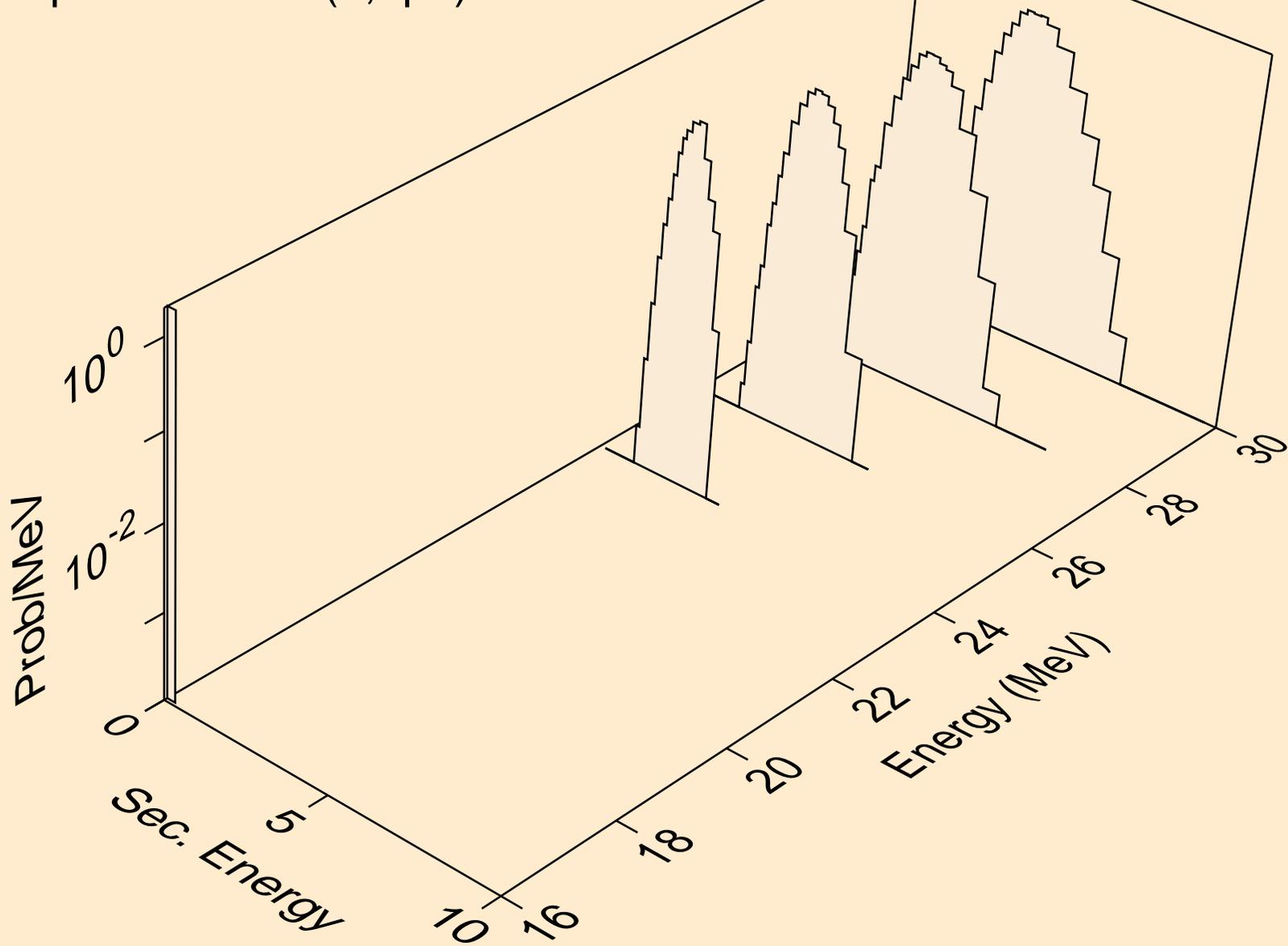protons from (a,x)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
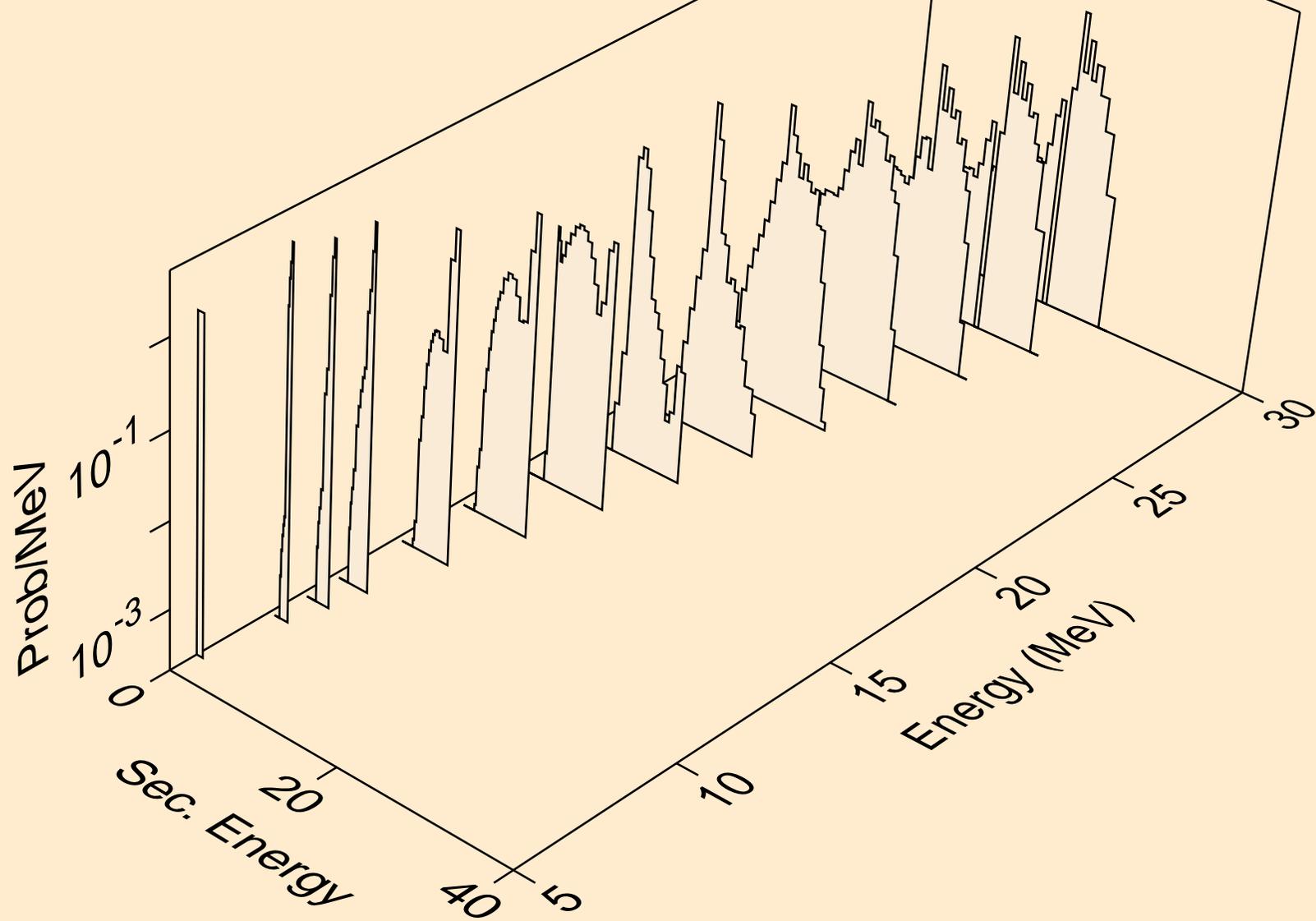protons from (a,n*)p

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
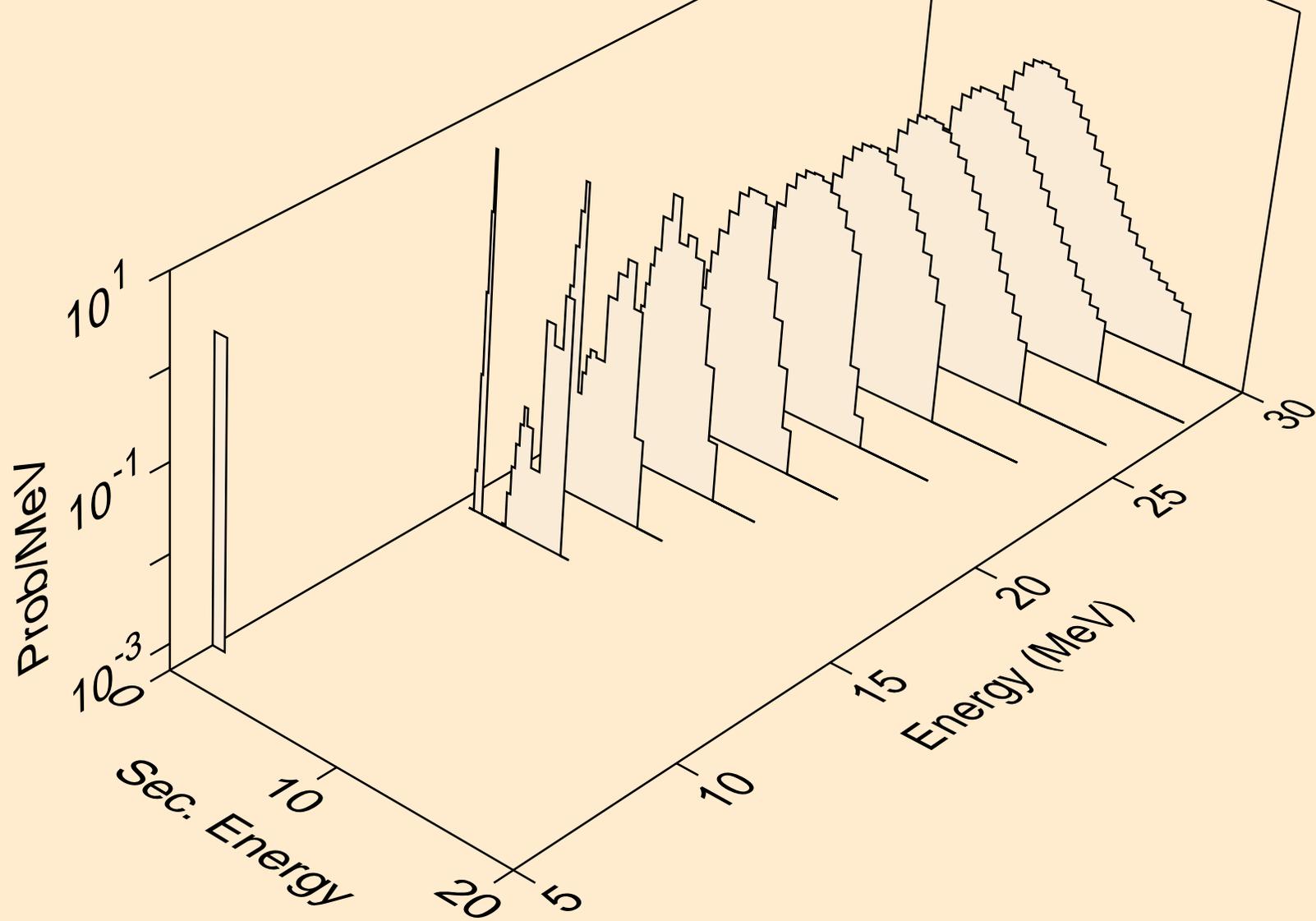protons from (a,2np)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
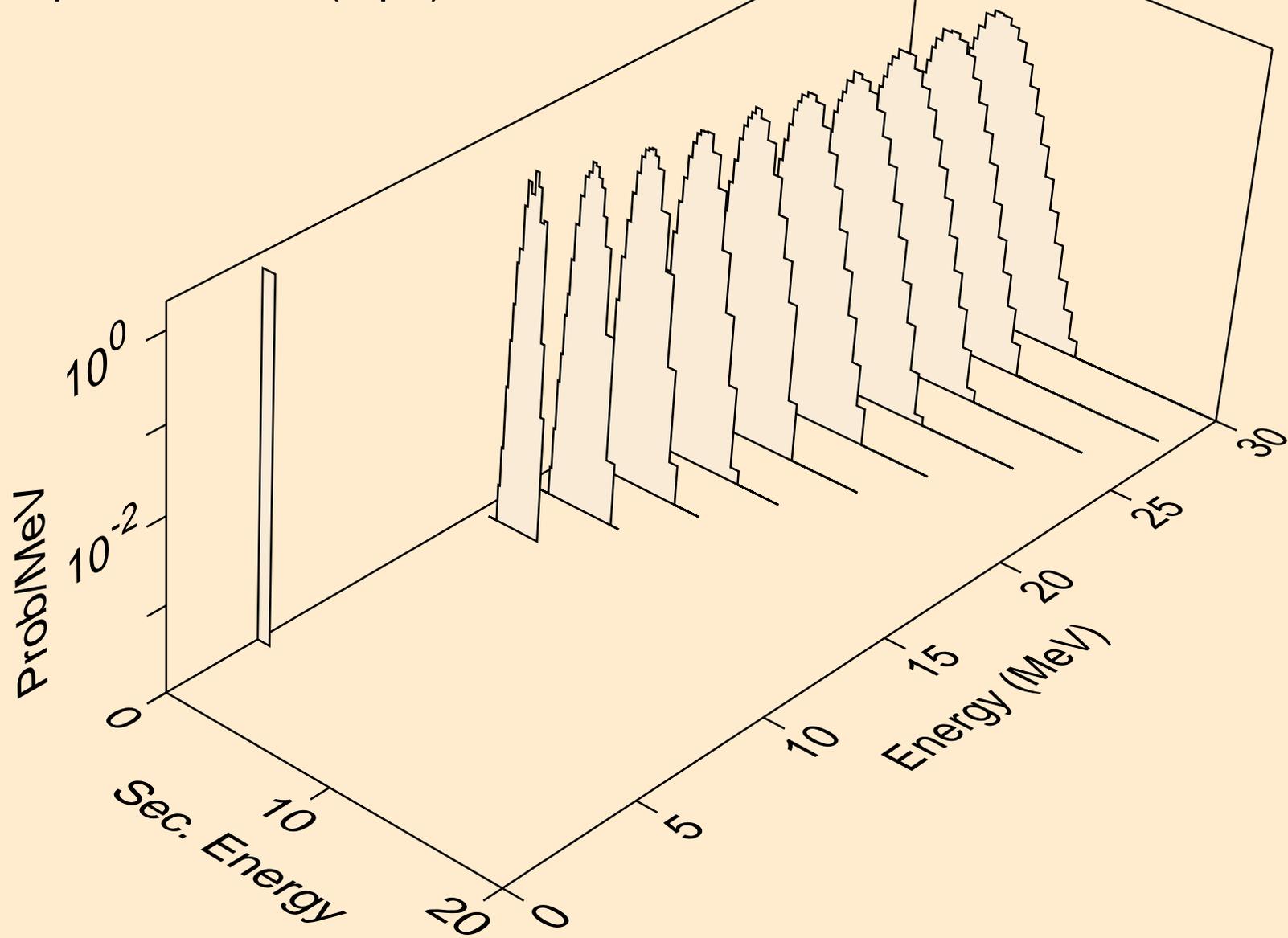protons from (a,npa)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
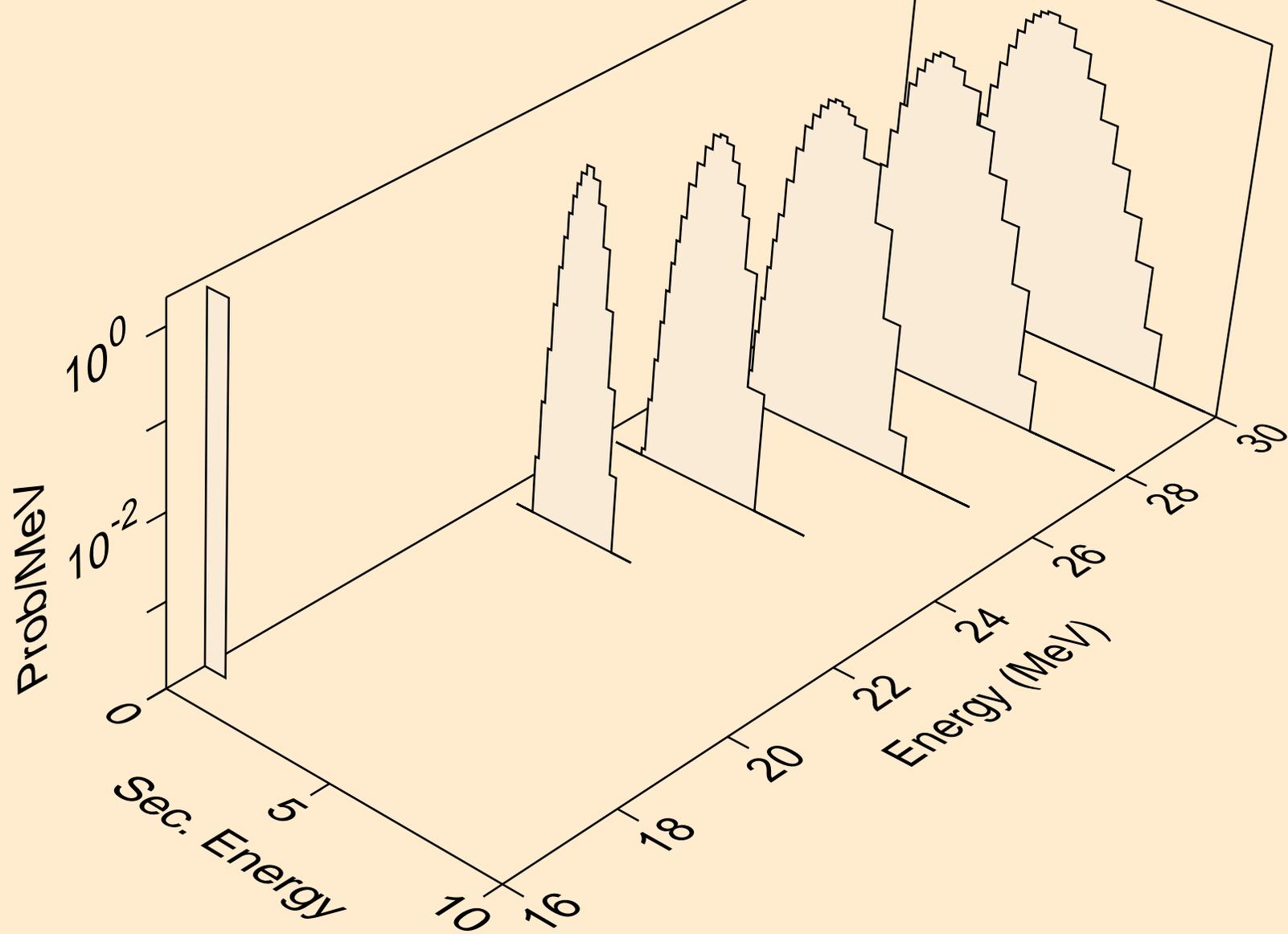protons from (a,p)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
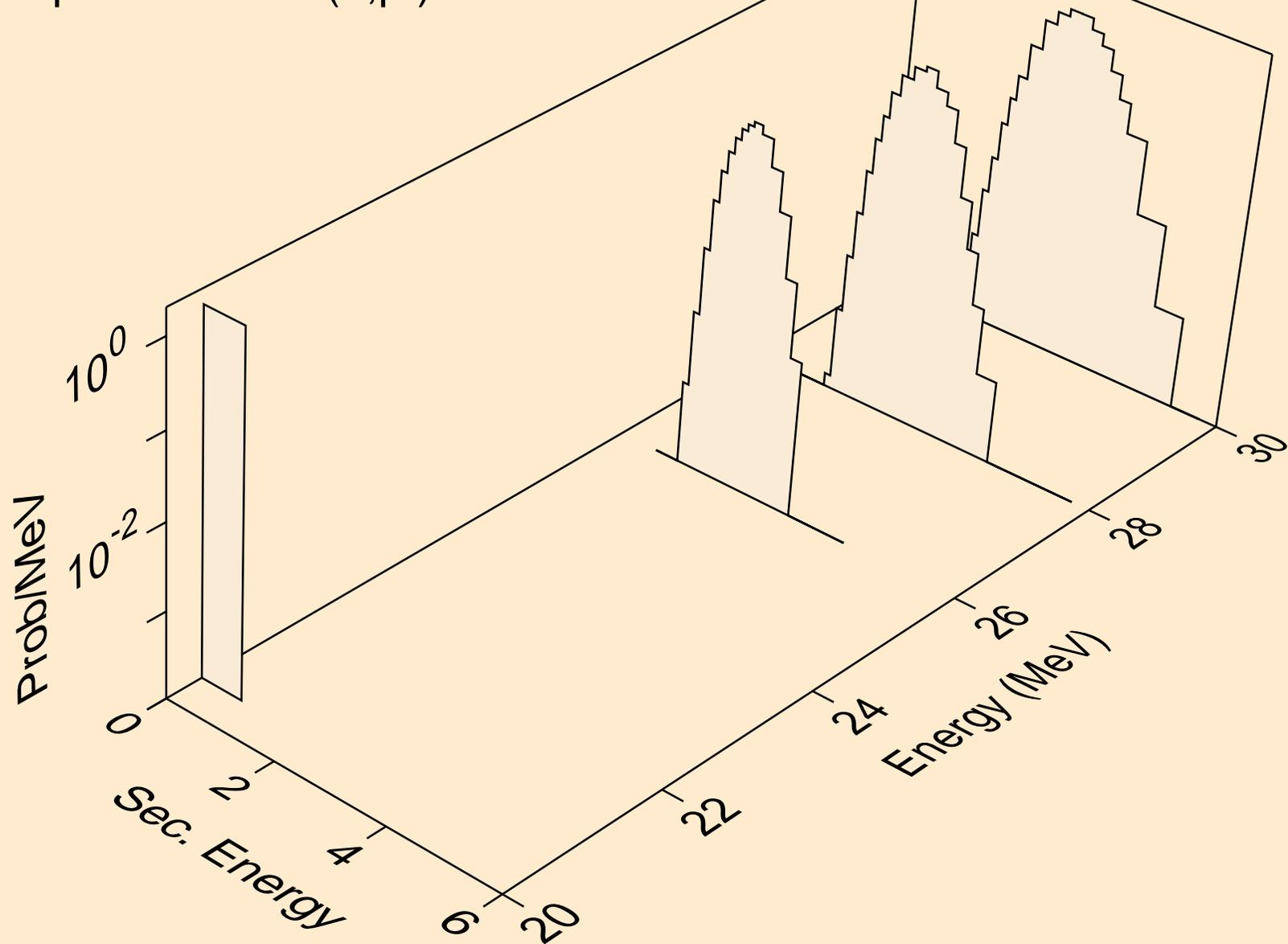protons from (a,2p)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
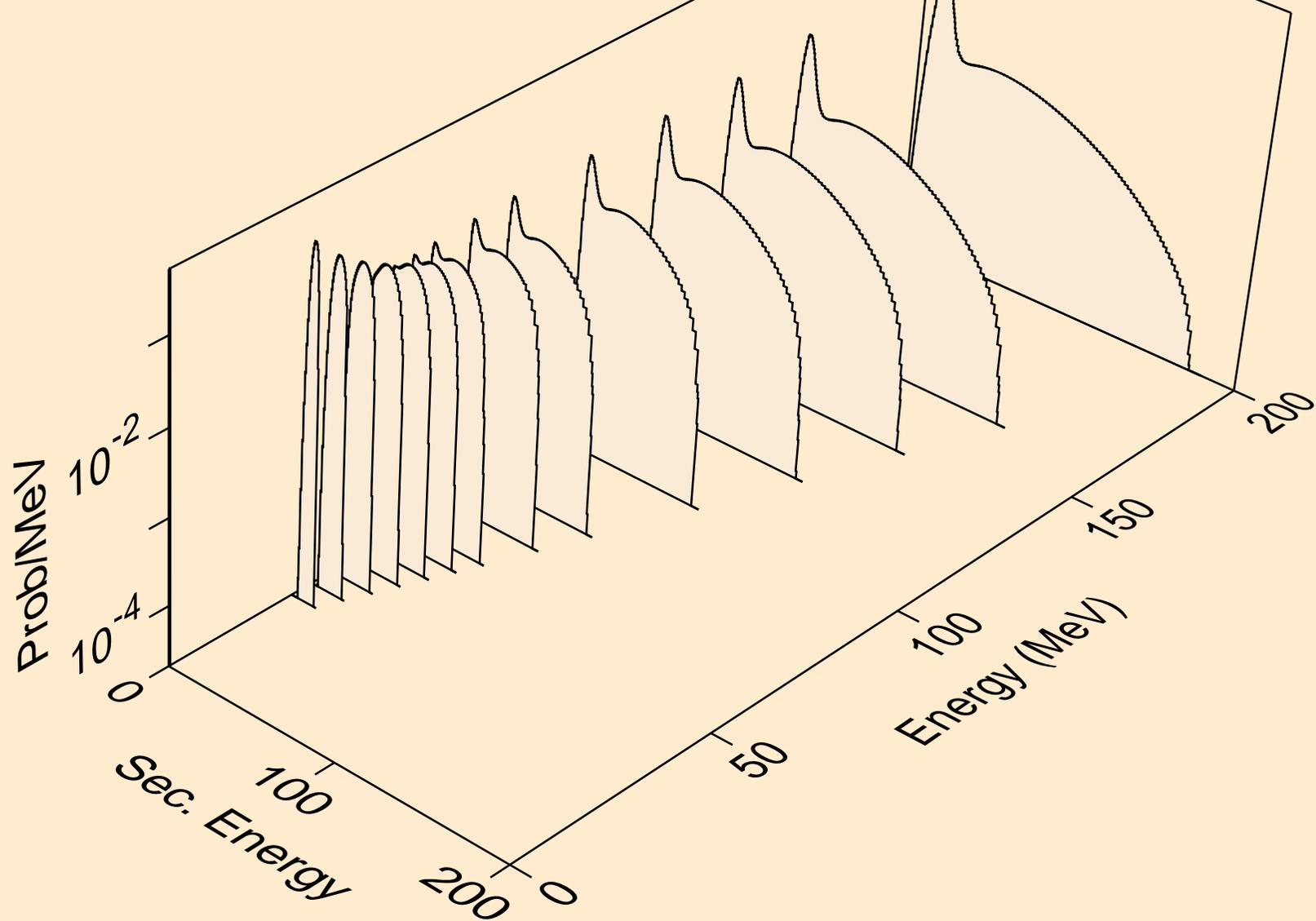protons from (a,pa)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,pd)

ProbIMeV

10^0

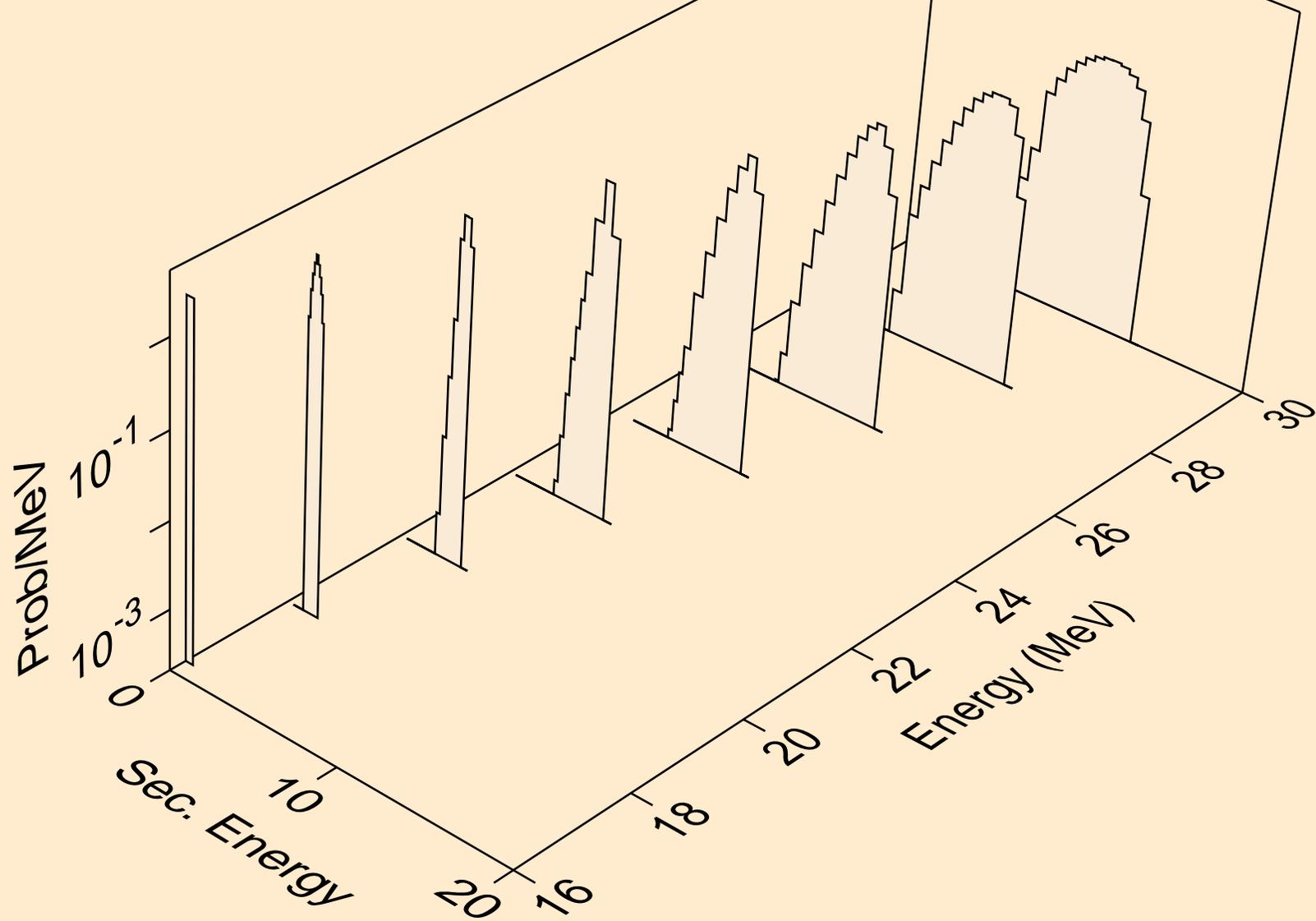10^{-2}

Sec. Energy

Energy (MeV)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
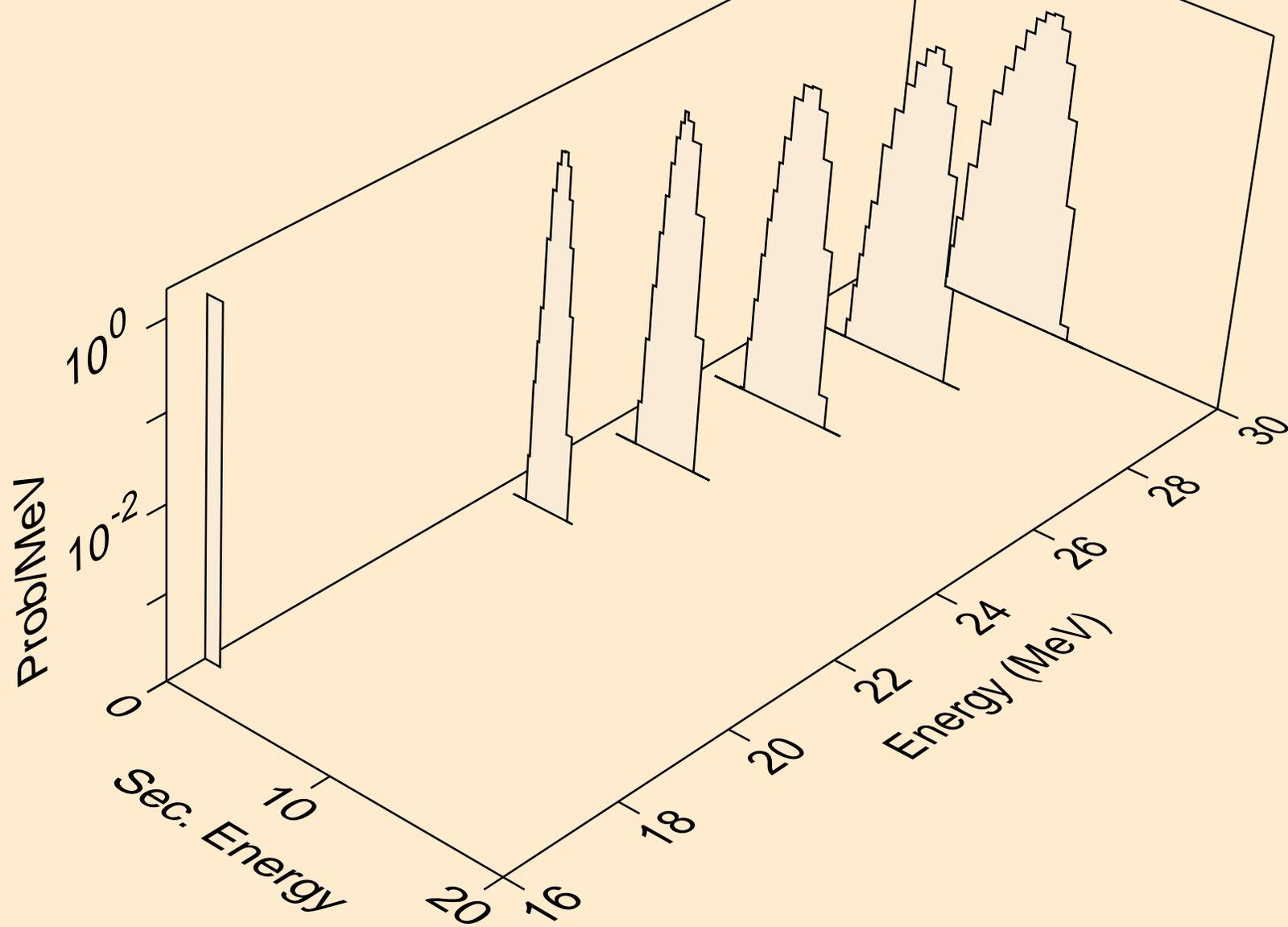protons from (a,pt)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
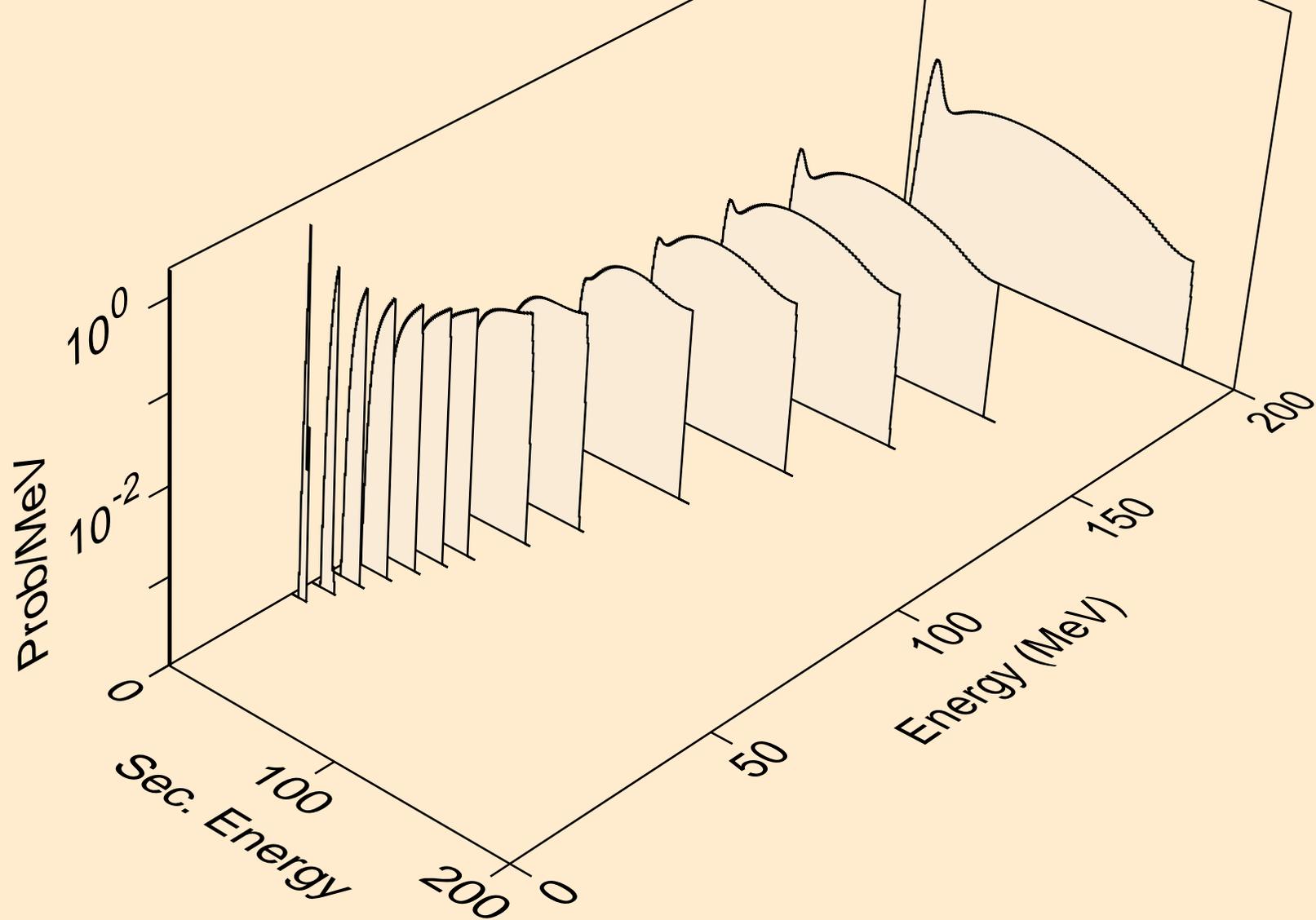deuterons from (a,x)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
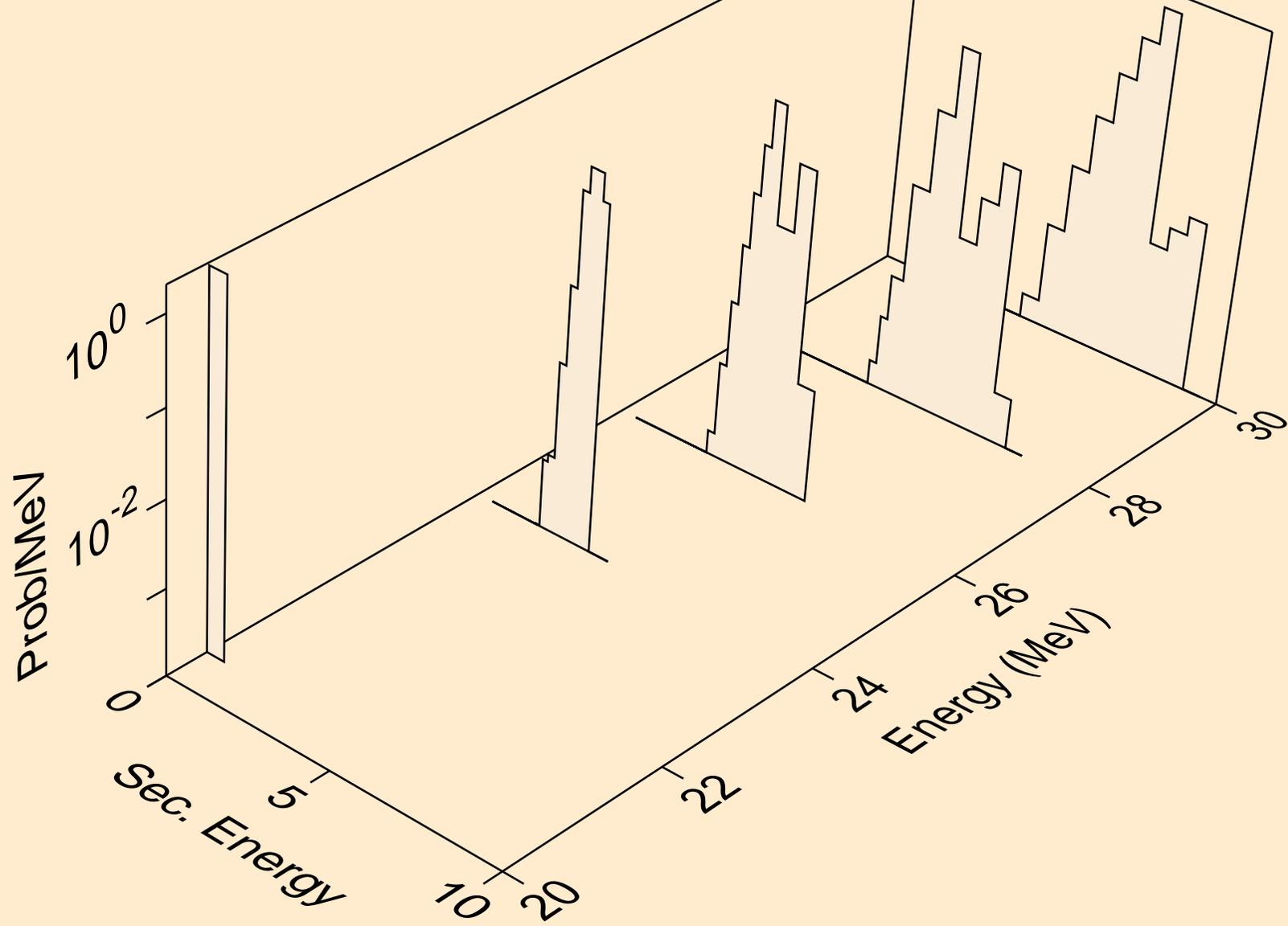deuterons from (a,d)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
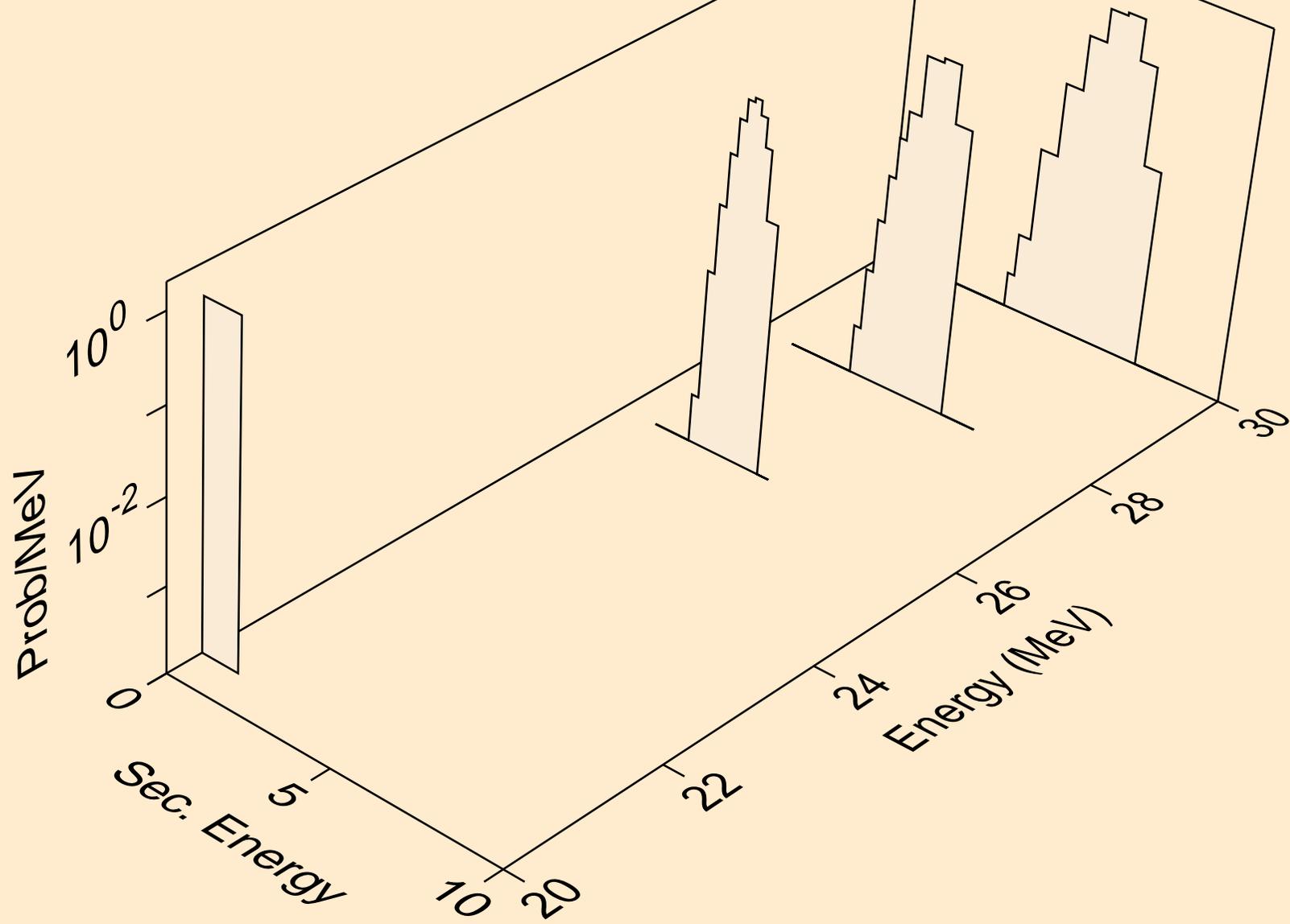deuterons from (a,pd)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
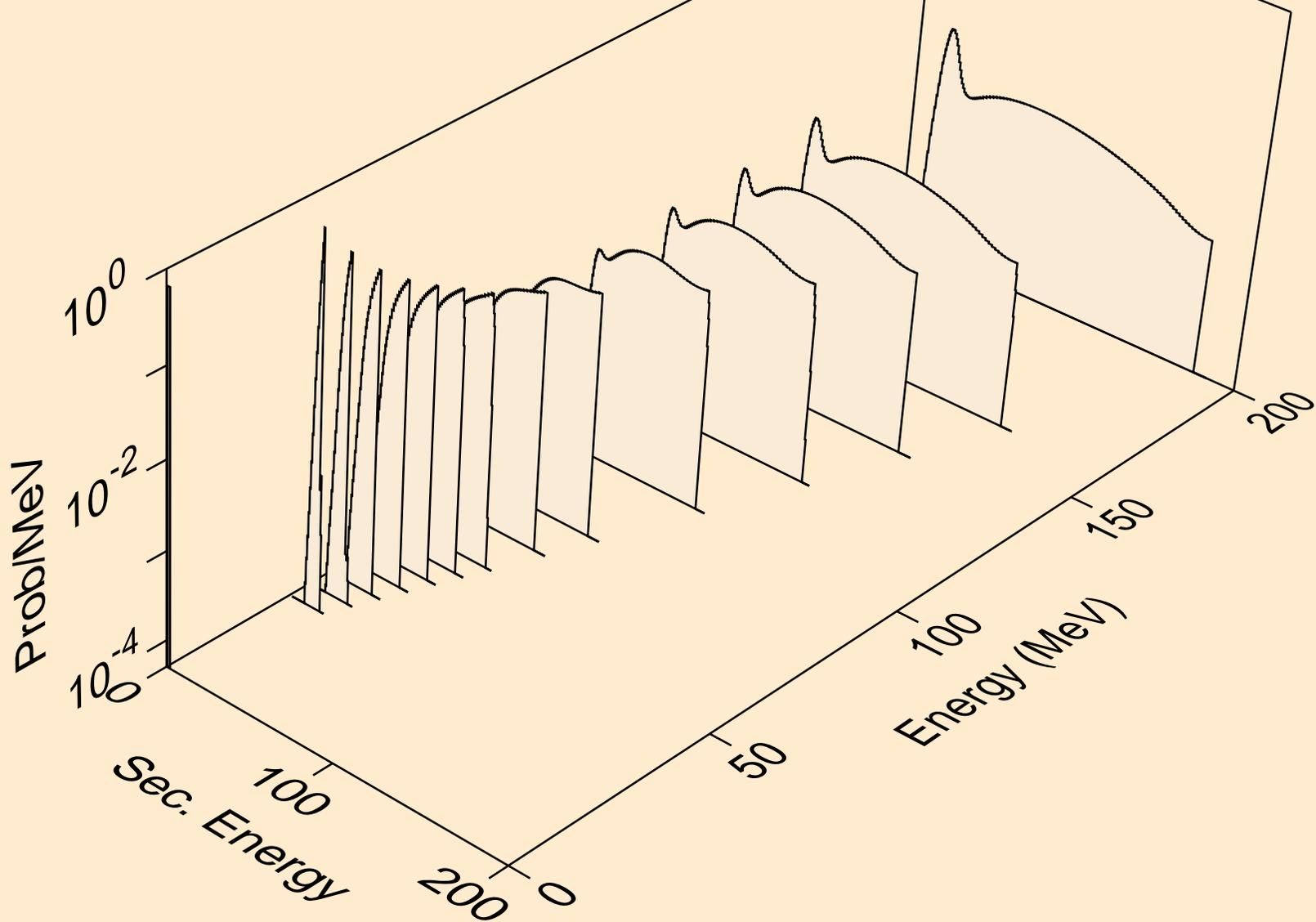tritons from (a,x)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,t)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,pt)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)

ND128 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,he3)