MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production
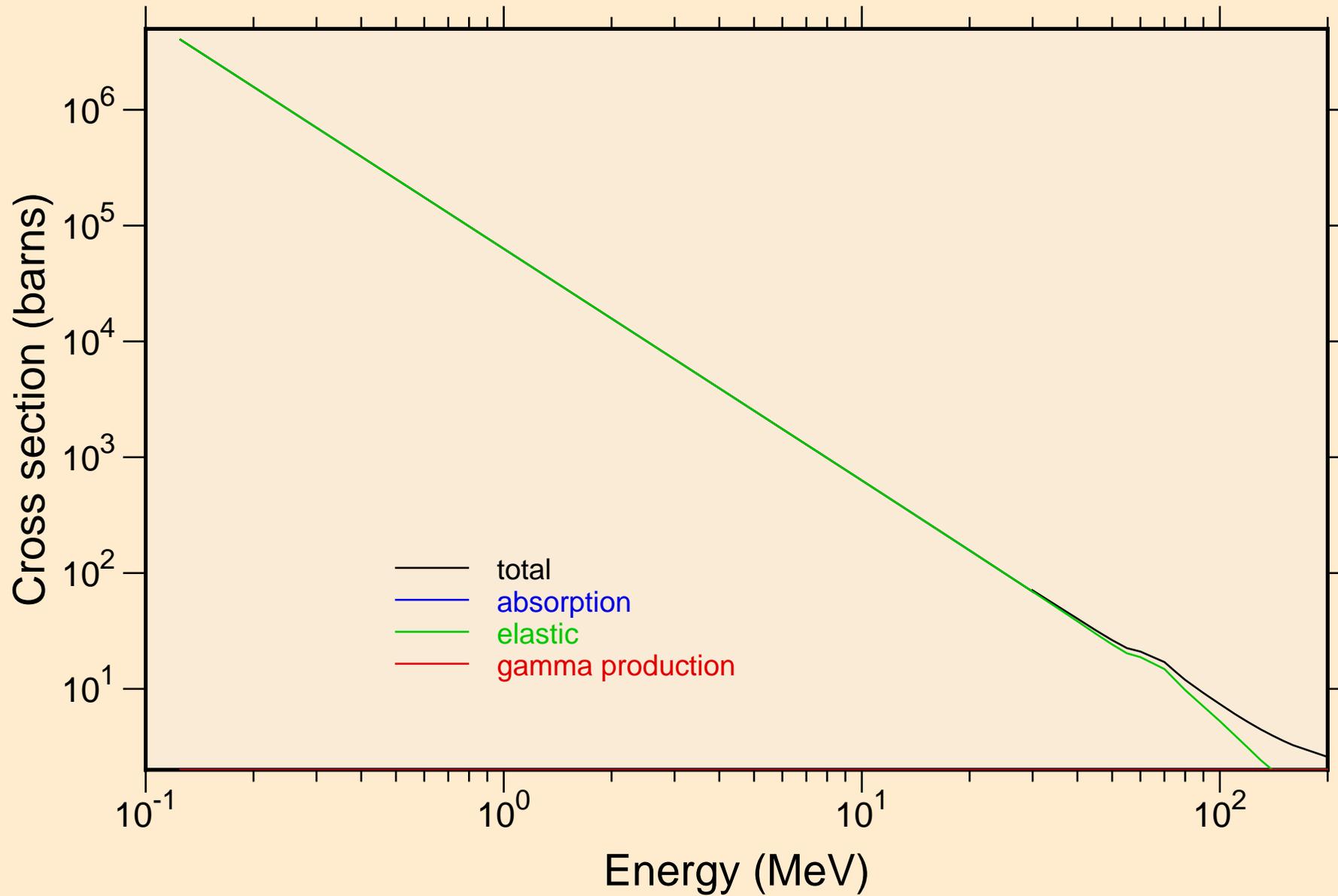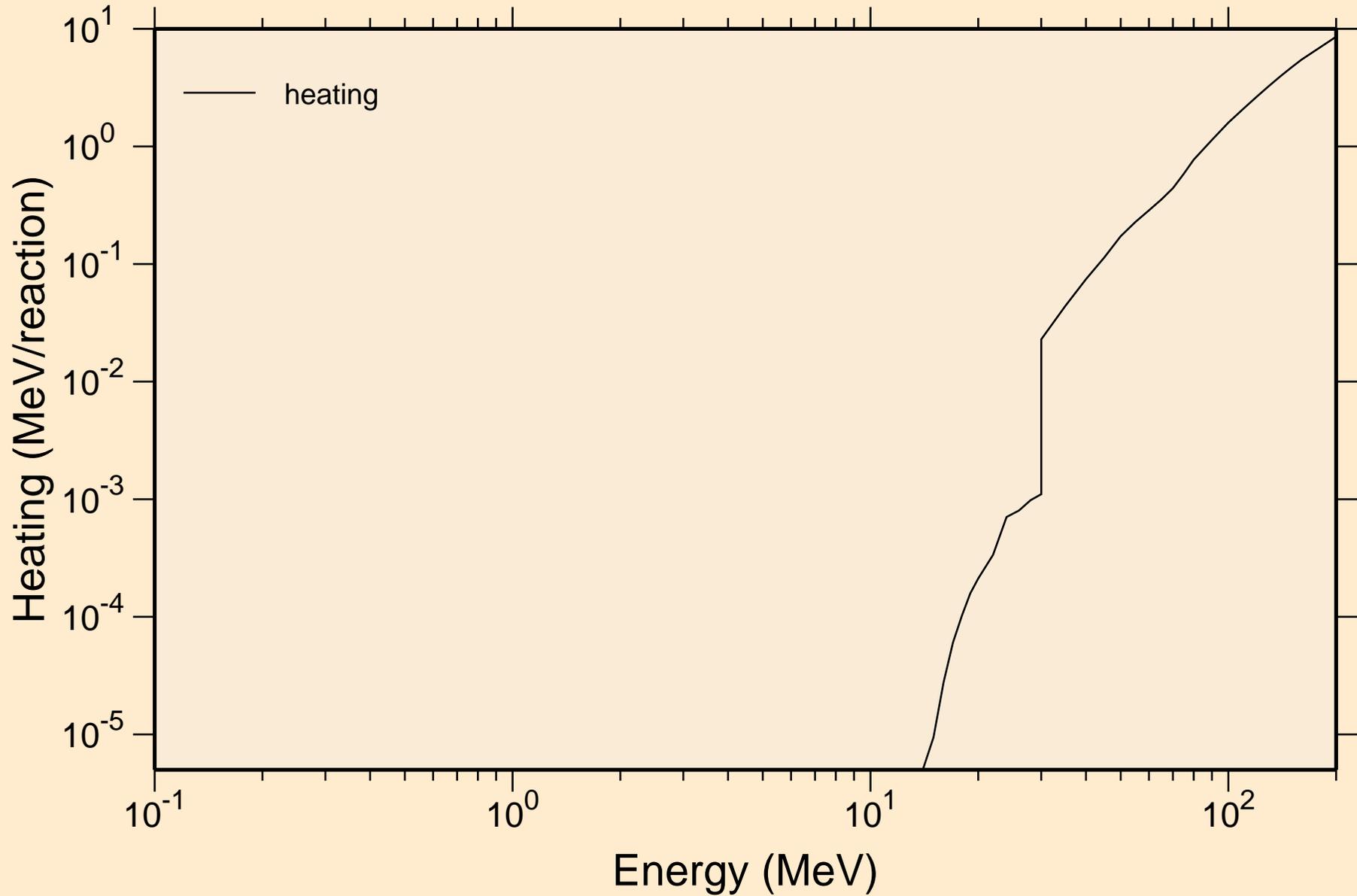
MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Heating

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections
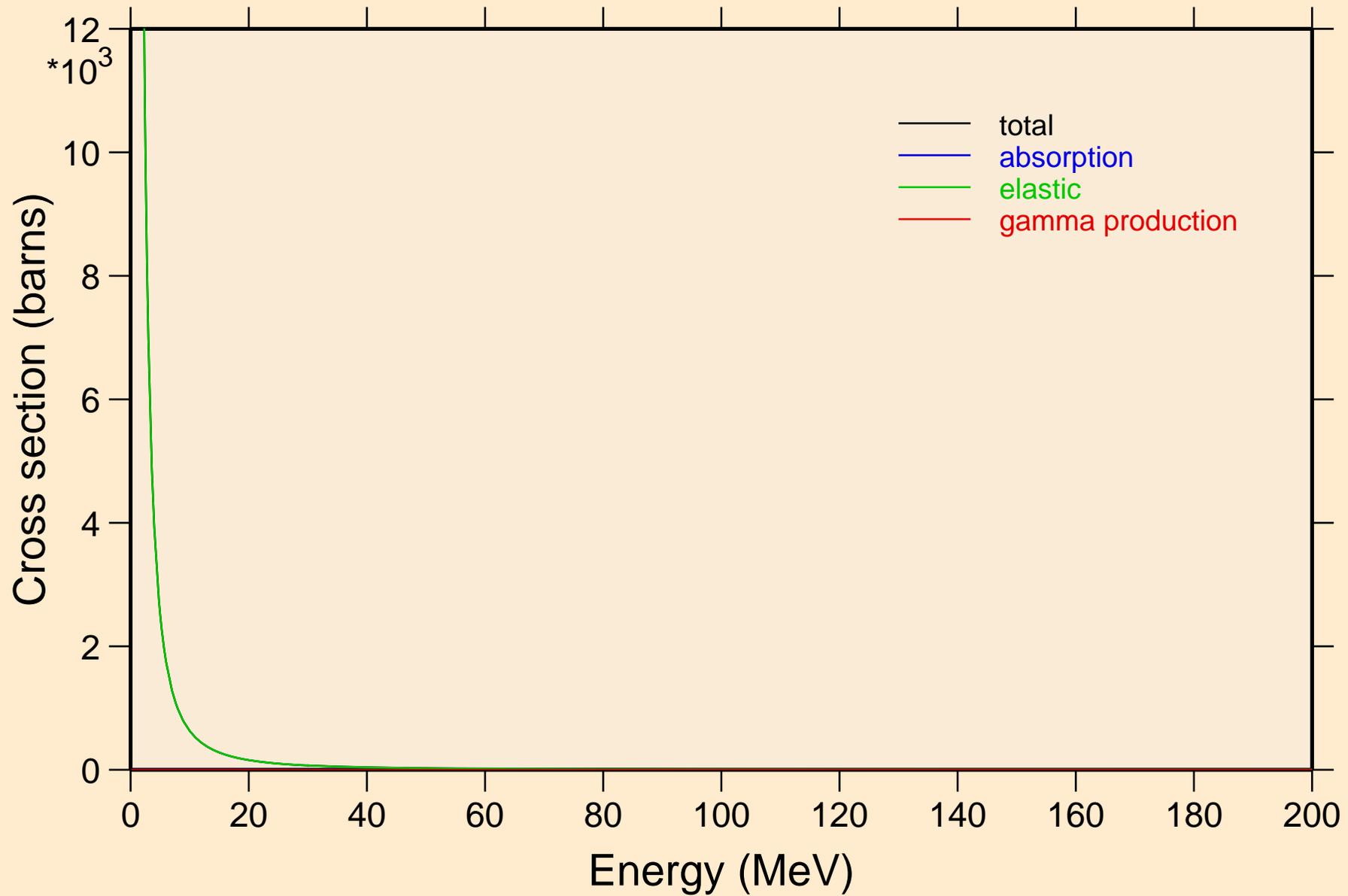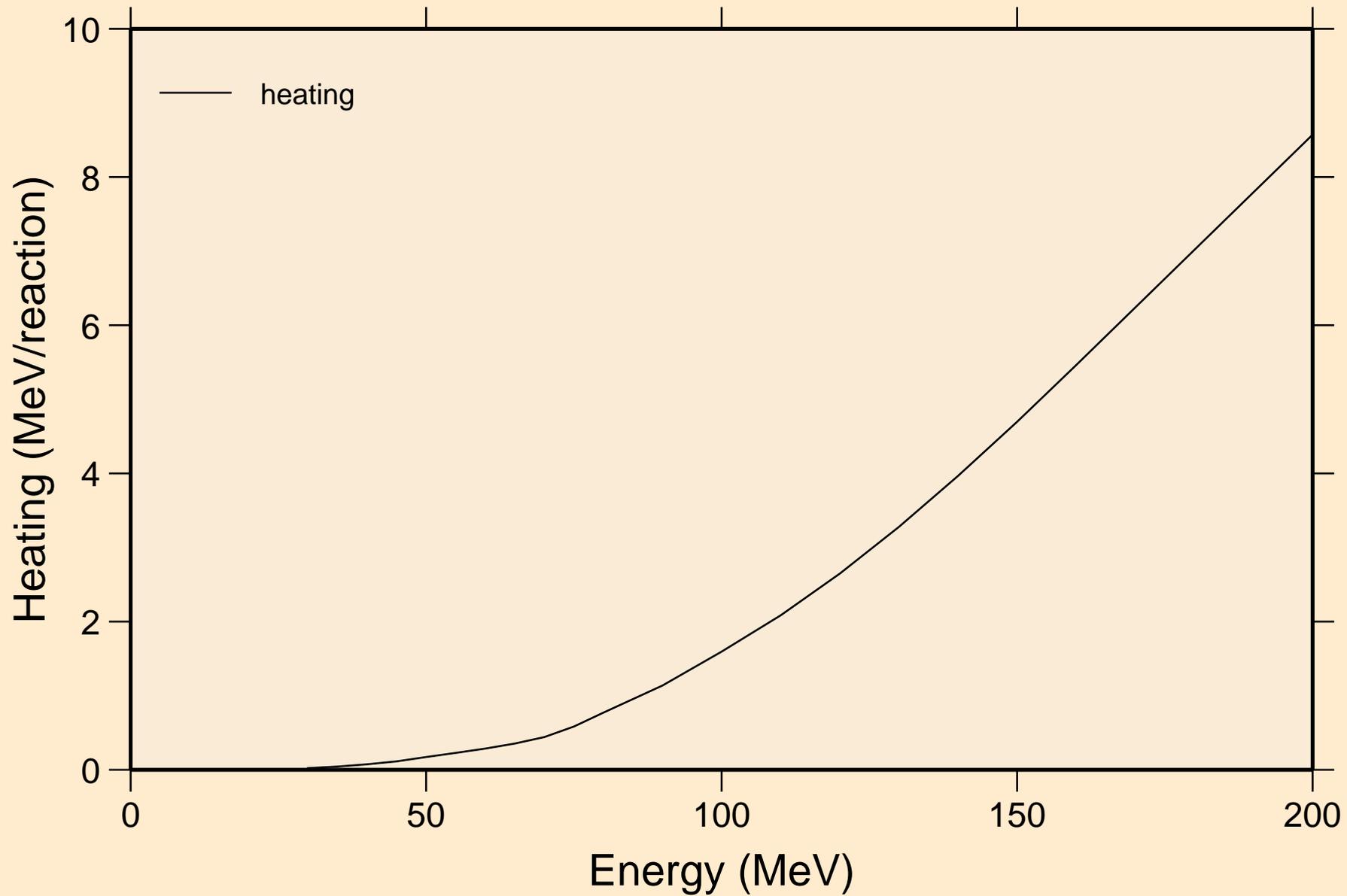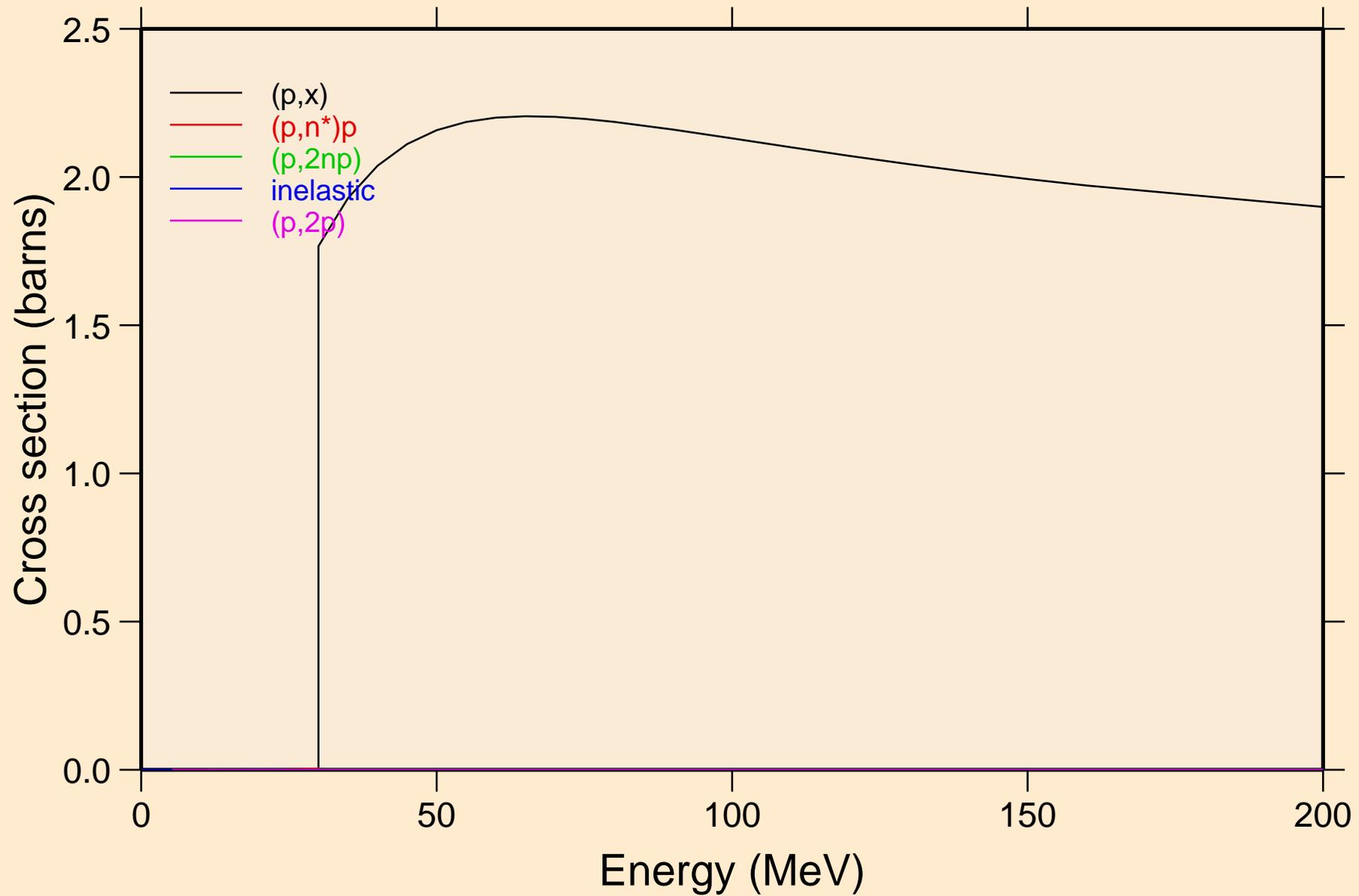
MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Heating
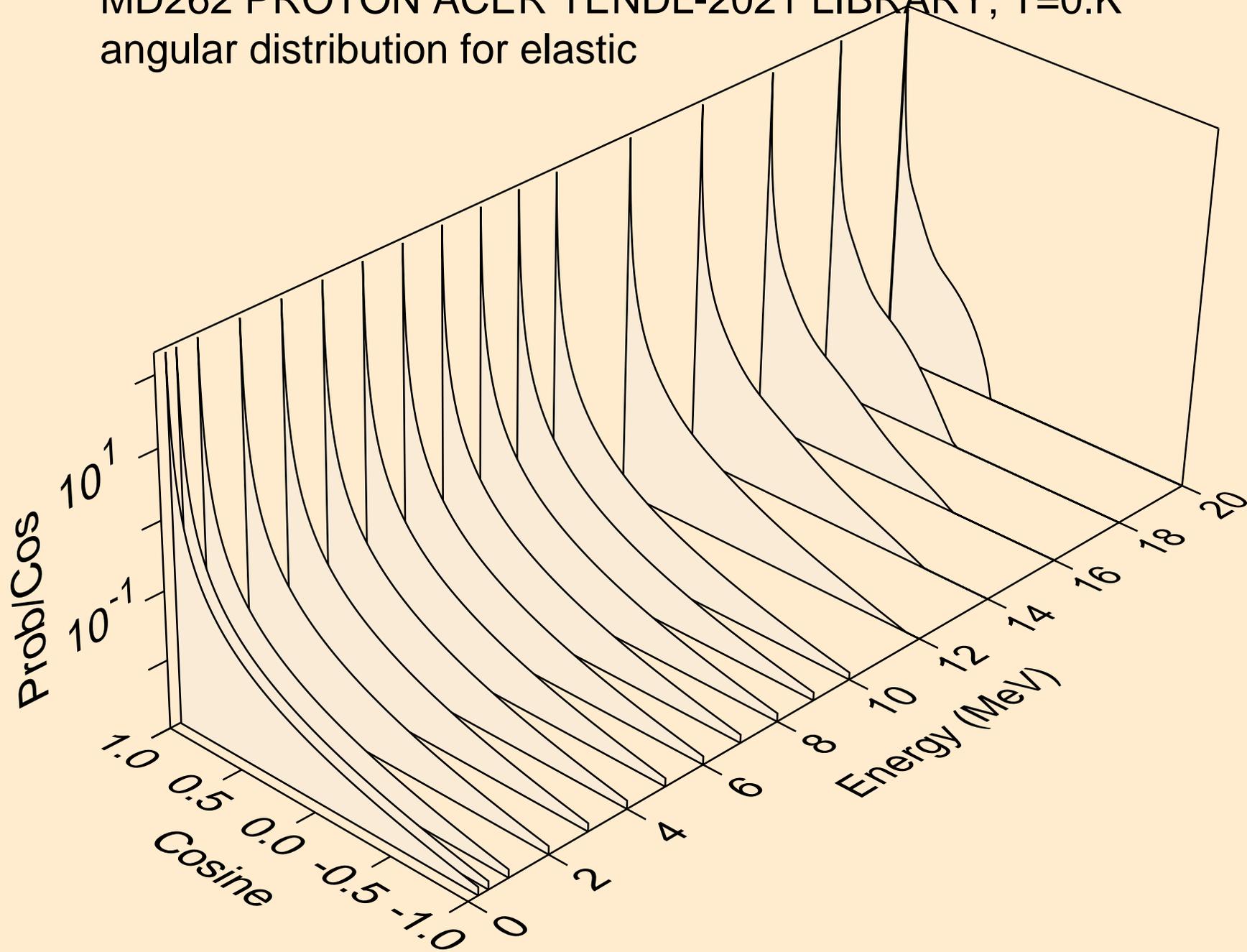
MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
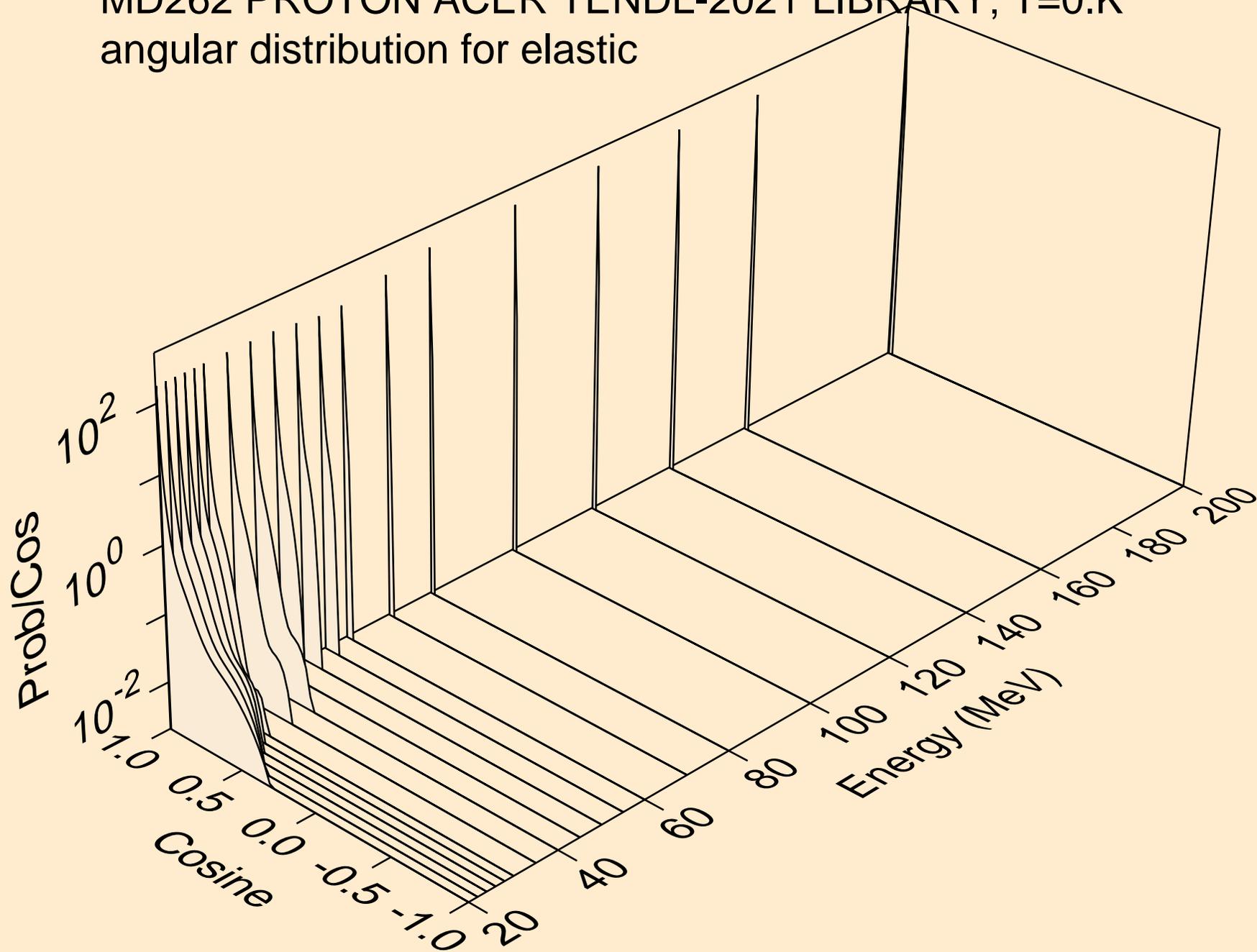Threshold reactions

Legend:
- (p,x)
- (p,n*)p
- (p,2np)
- inelastic
- (p,2p)

X-axis: Energy (MeV)
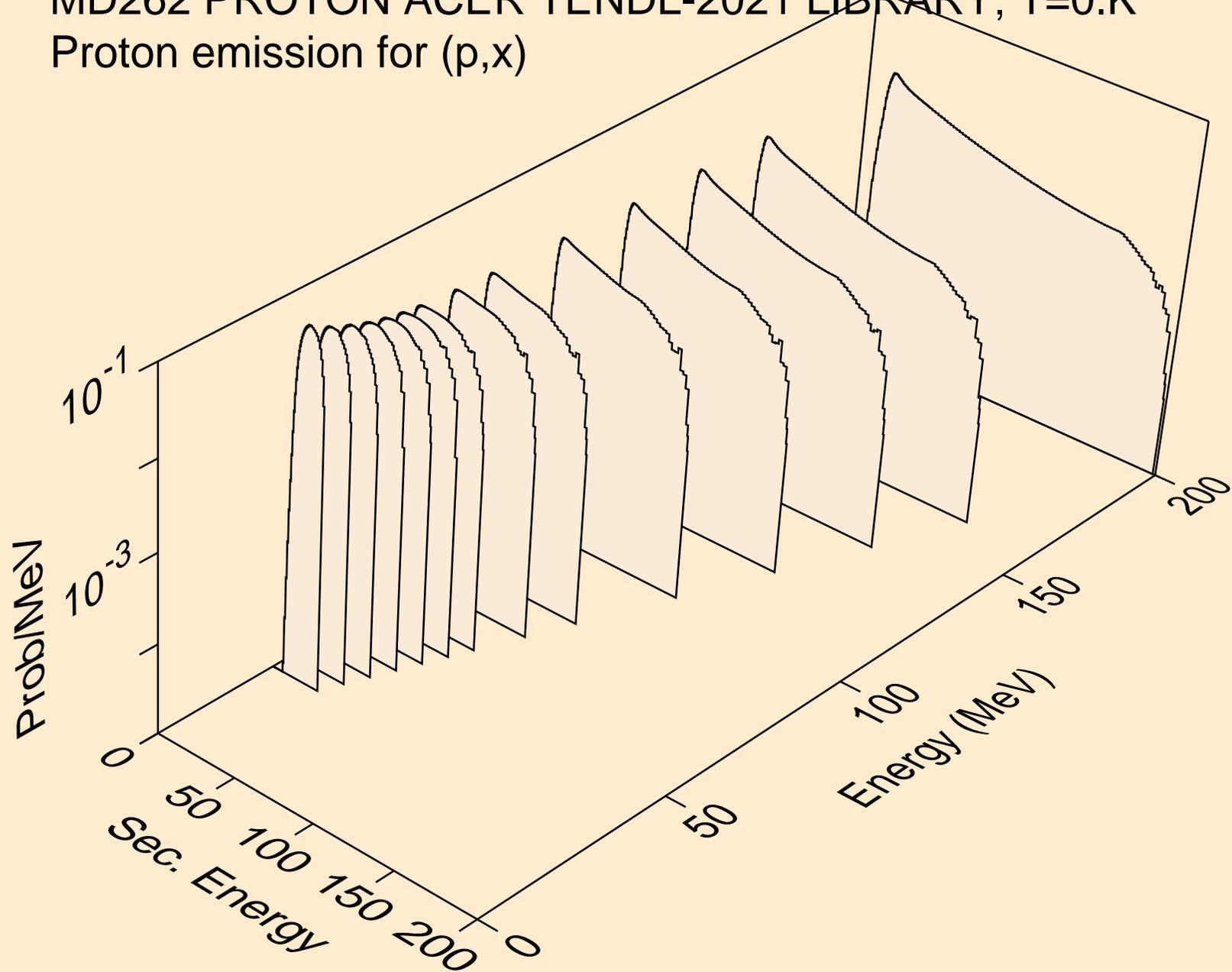Y-axis: Cross section (barns)

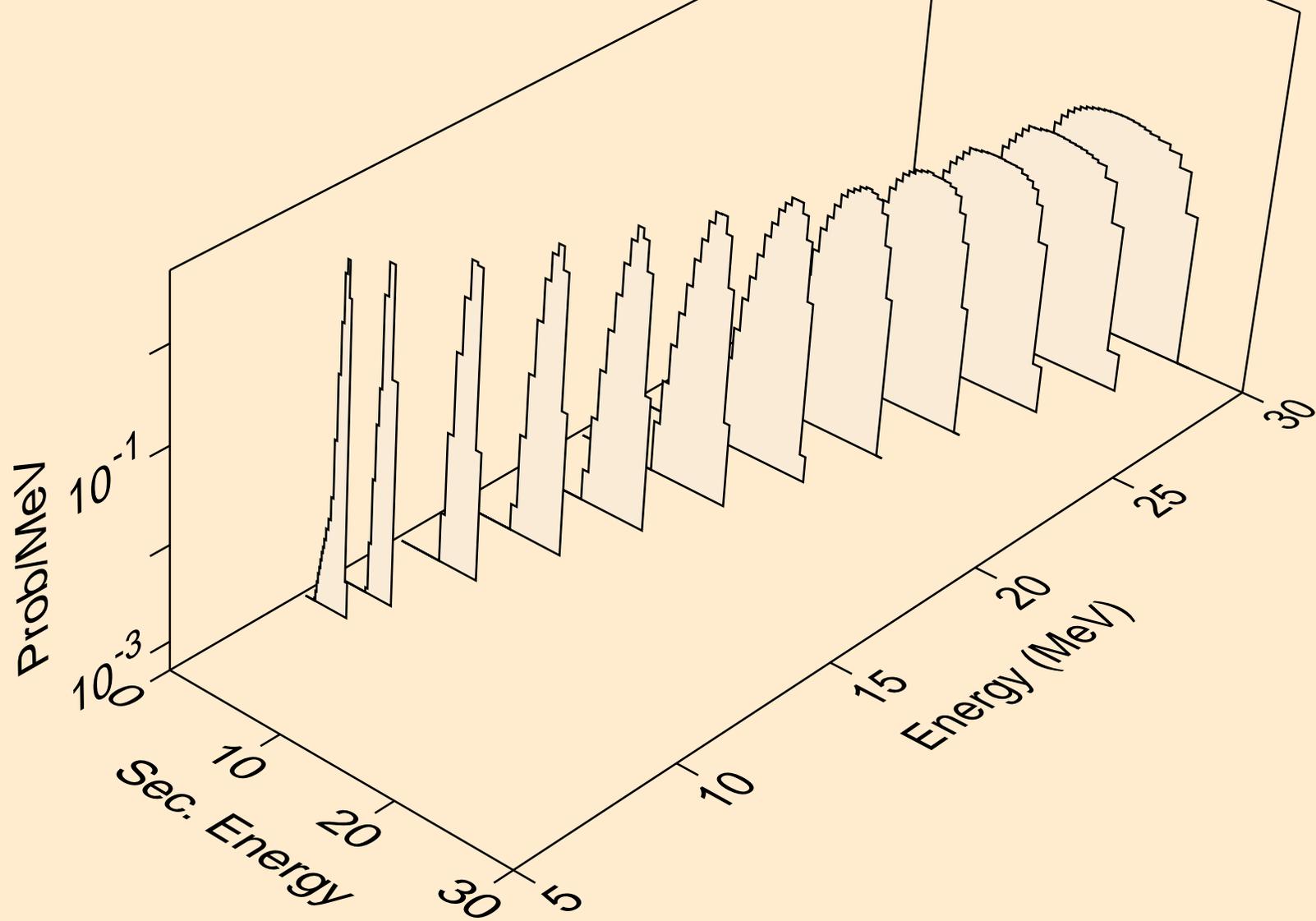MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

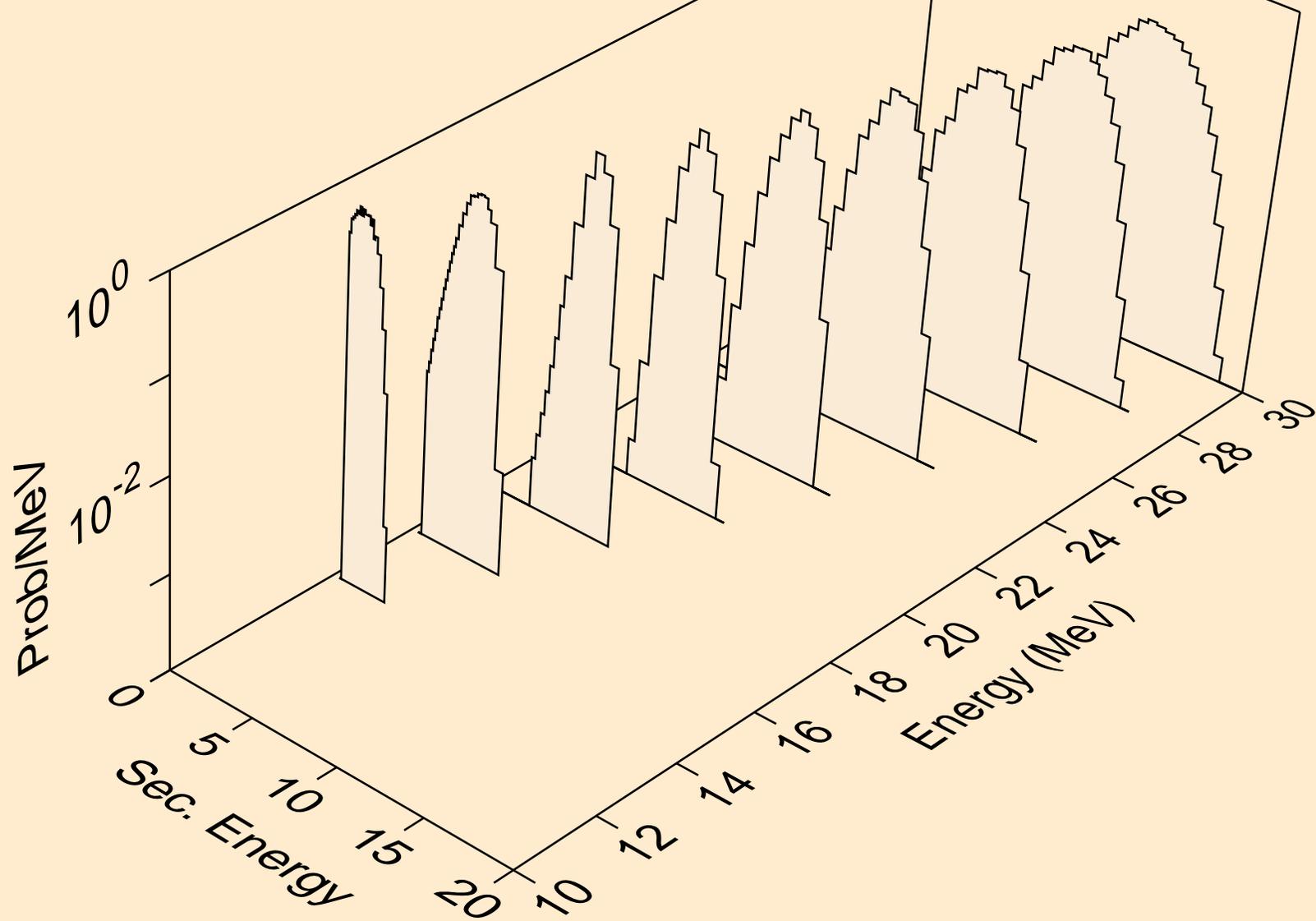MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
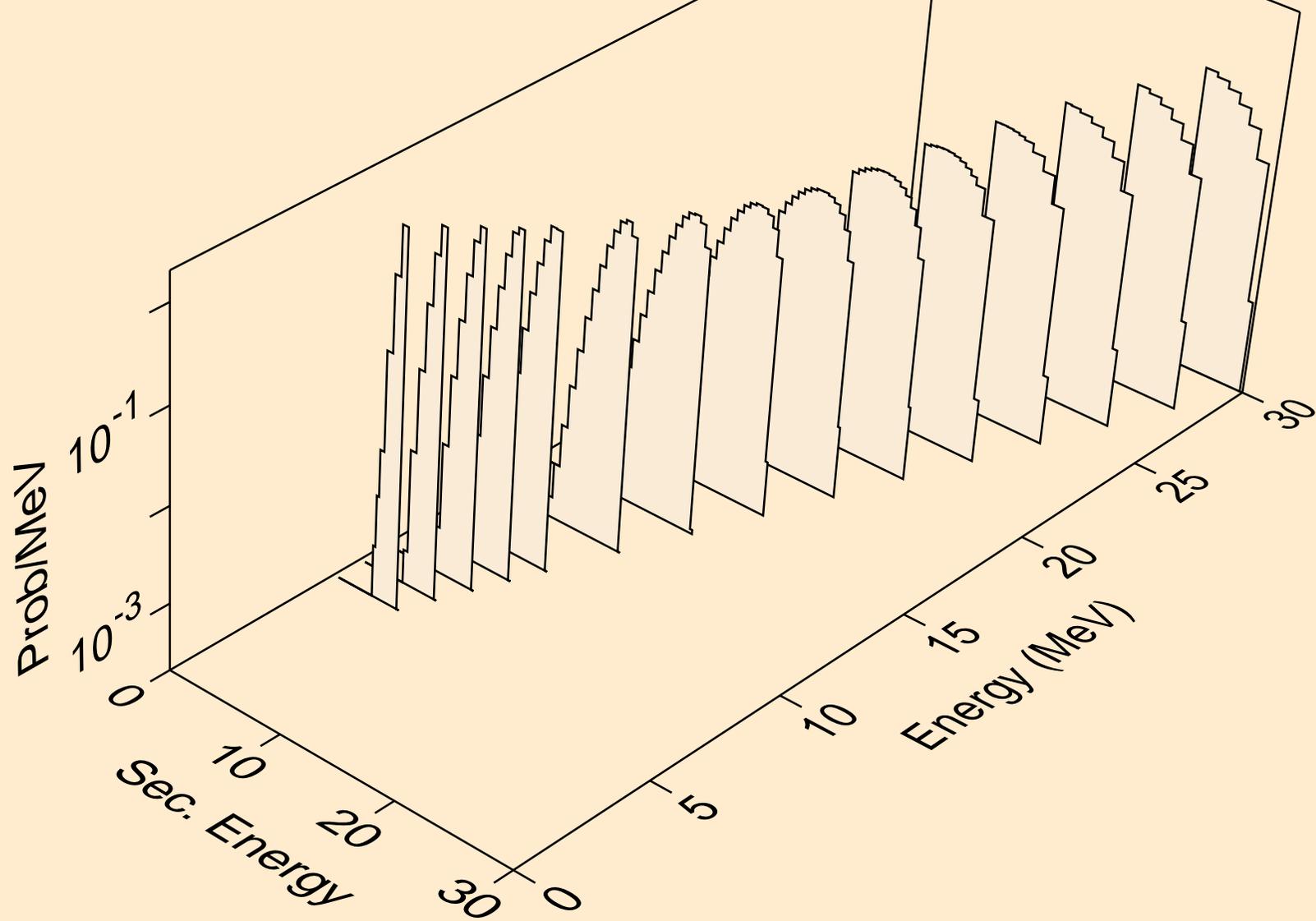Proton emission for (p,x)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
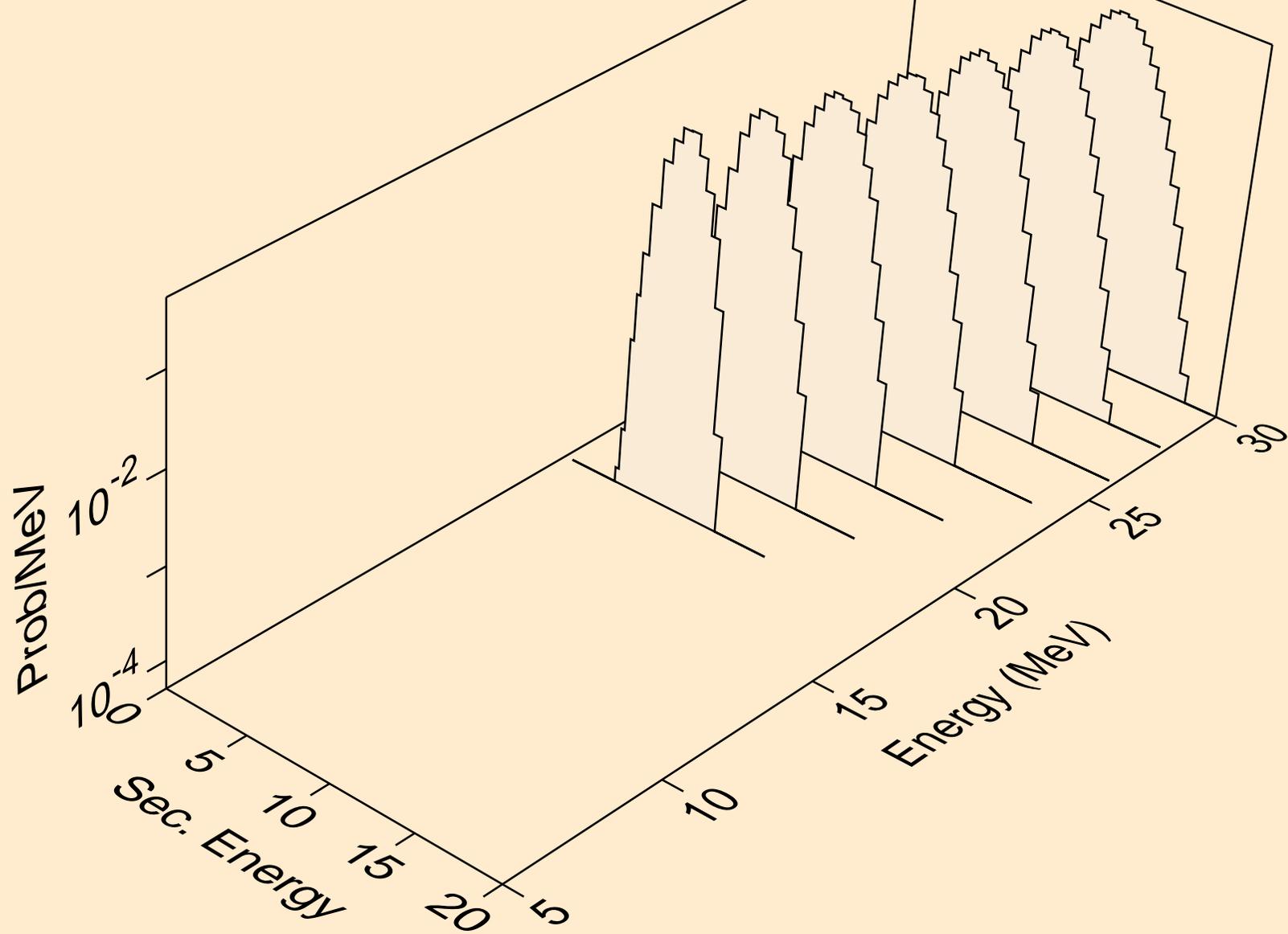Proton emission for (p,n*)p

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
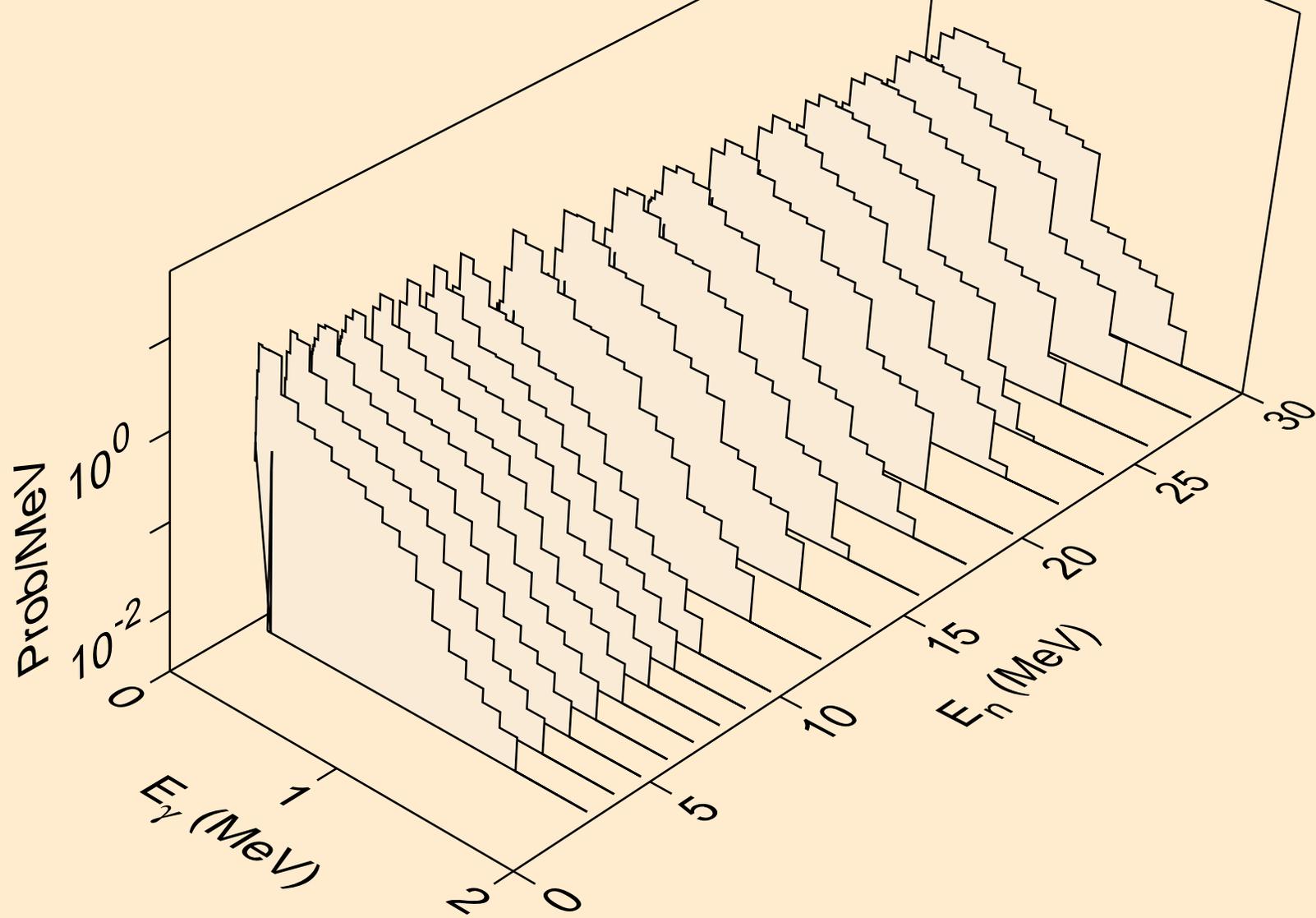Proton emission for (p,2np)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
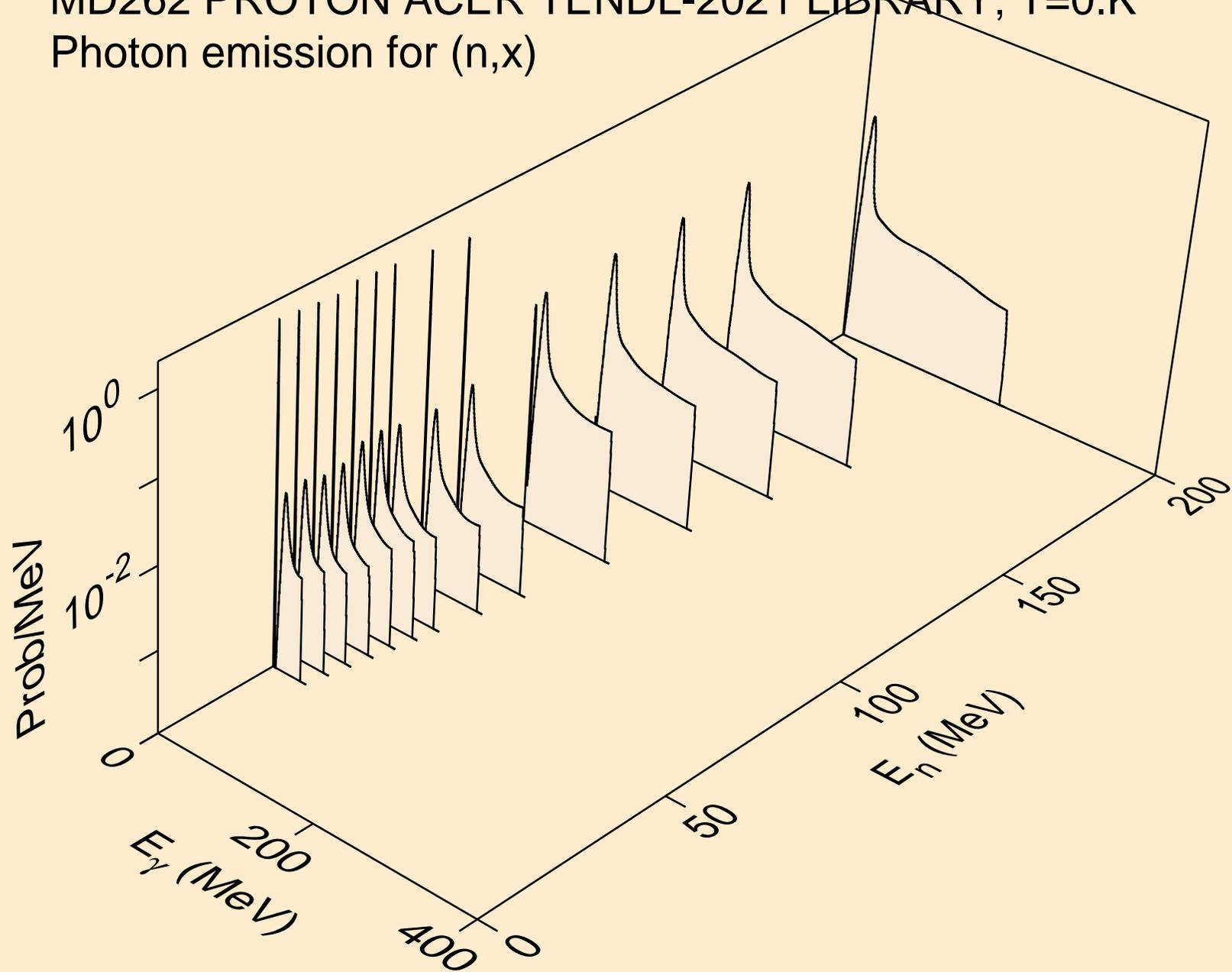Proton emission for inelastic

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
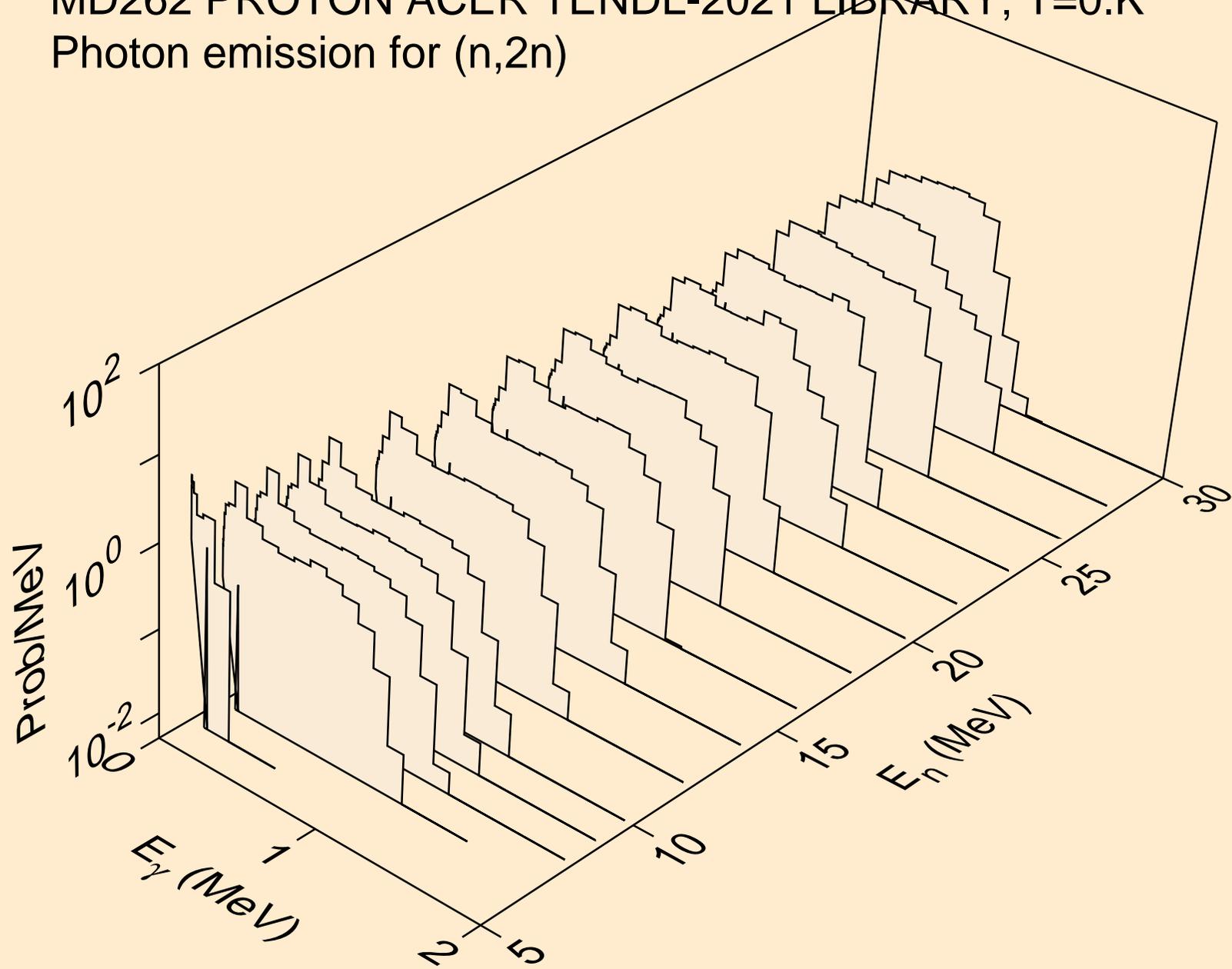Proton emission for (p,2p)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
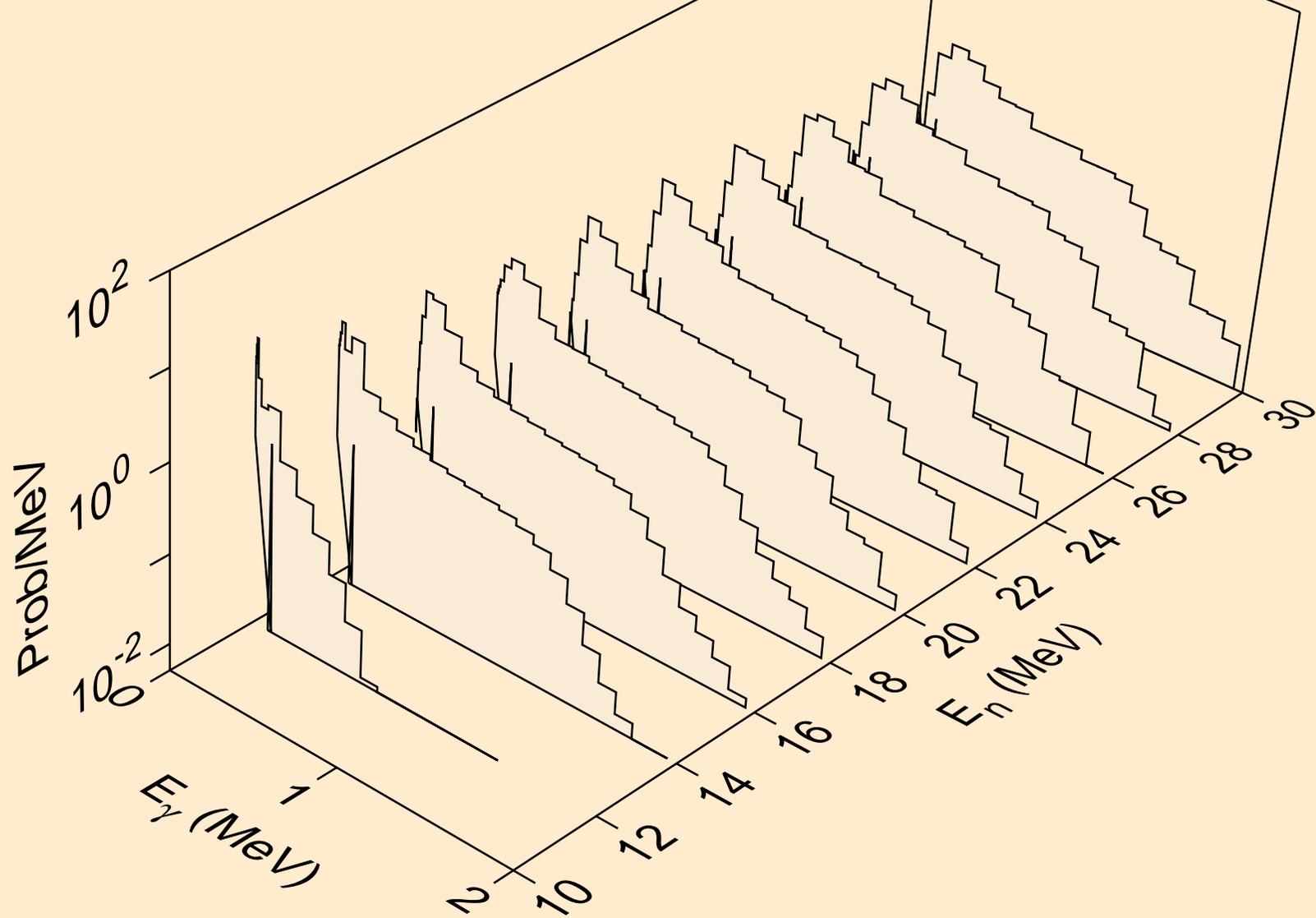Photon emission for (z,n)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
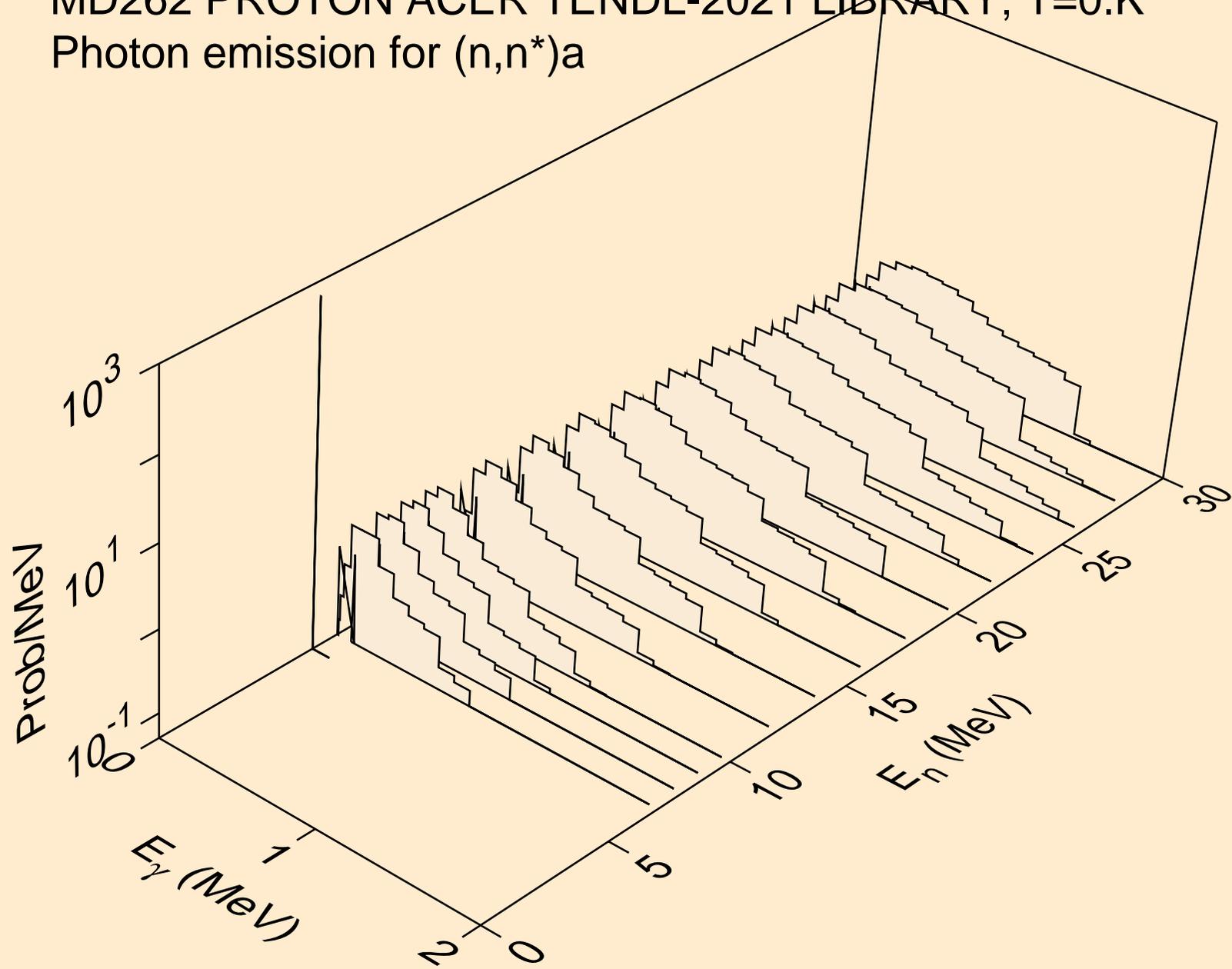Photon emission for (n,x)

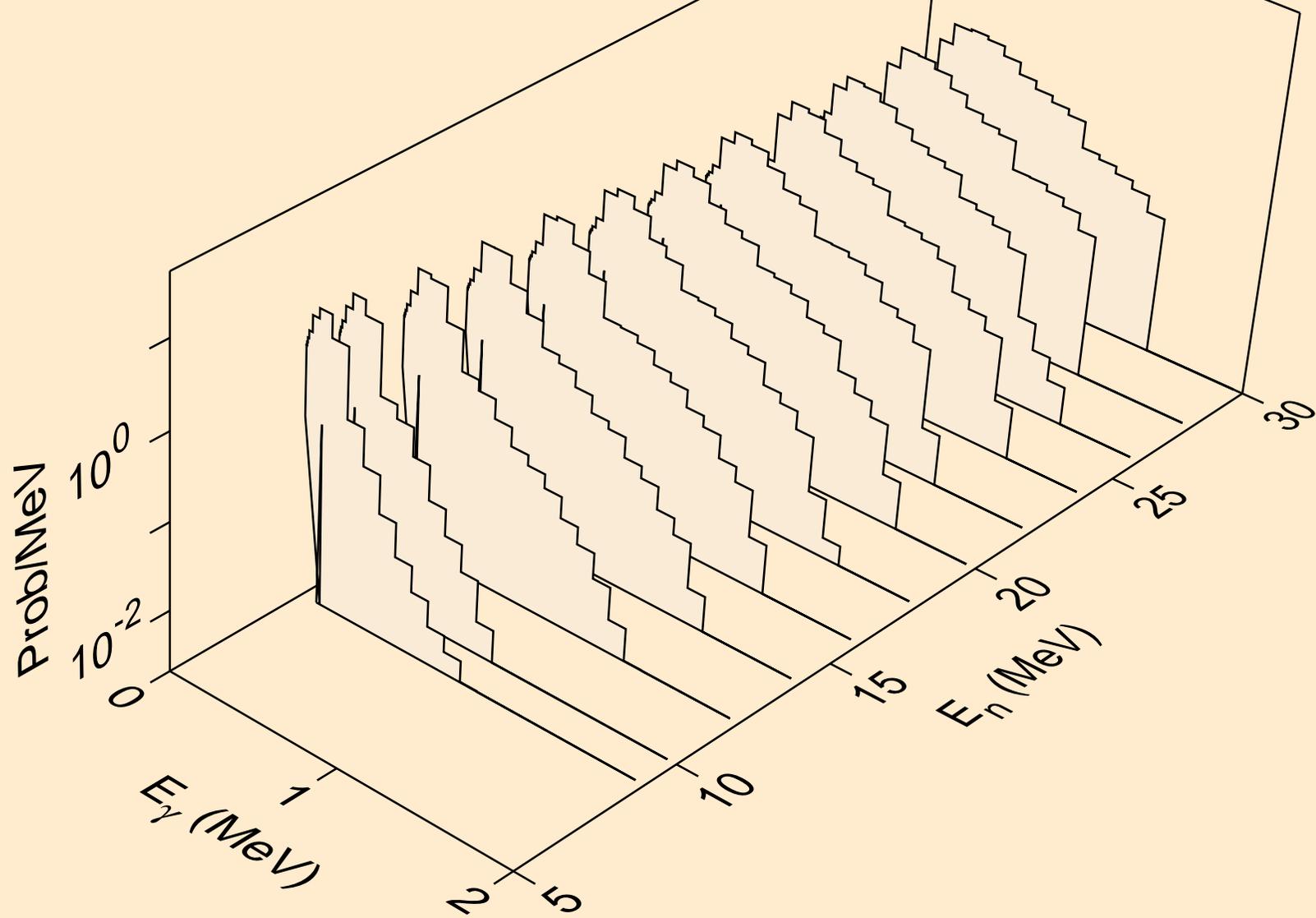MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)

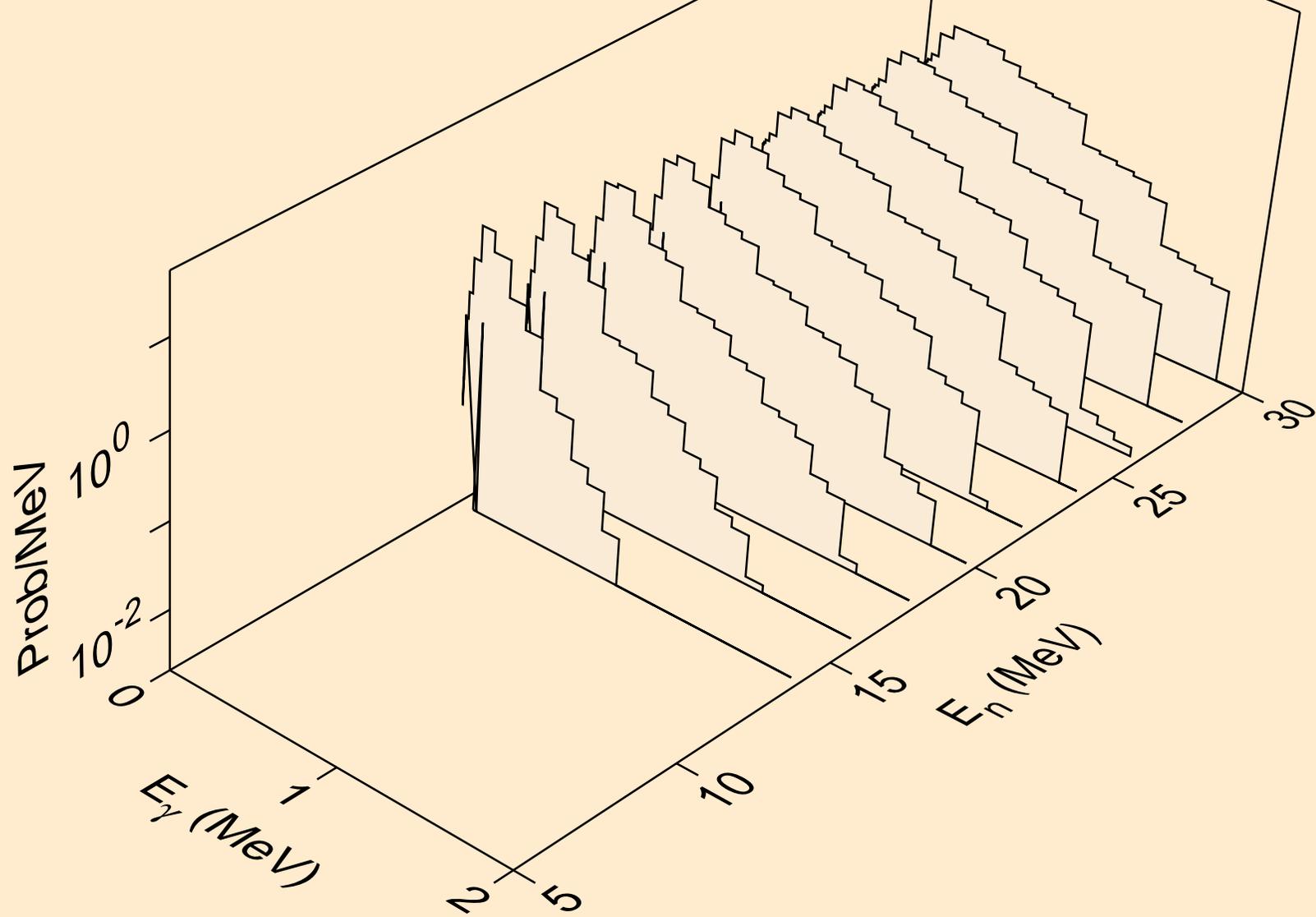MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,3n)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)p

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)d

ProbIMeV

10^0

10^{-2}

0

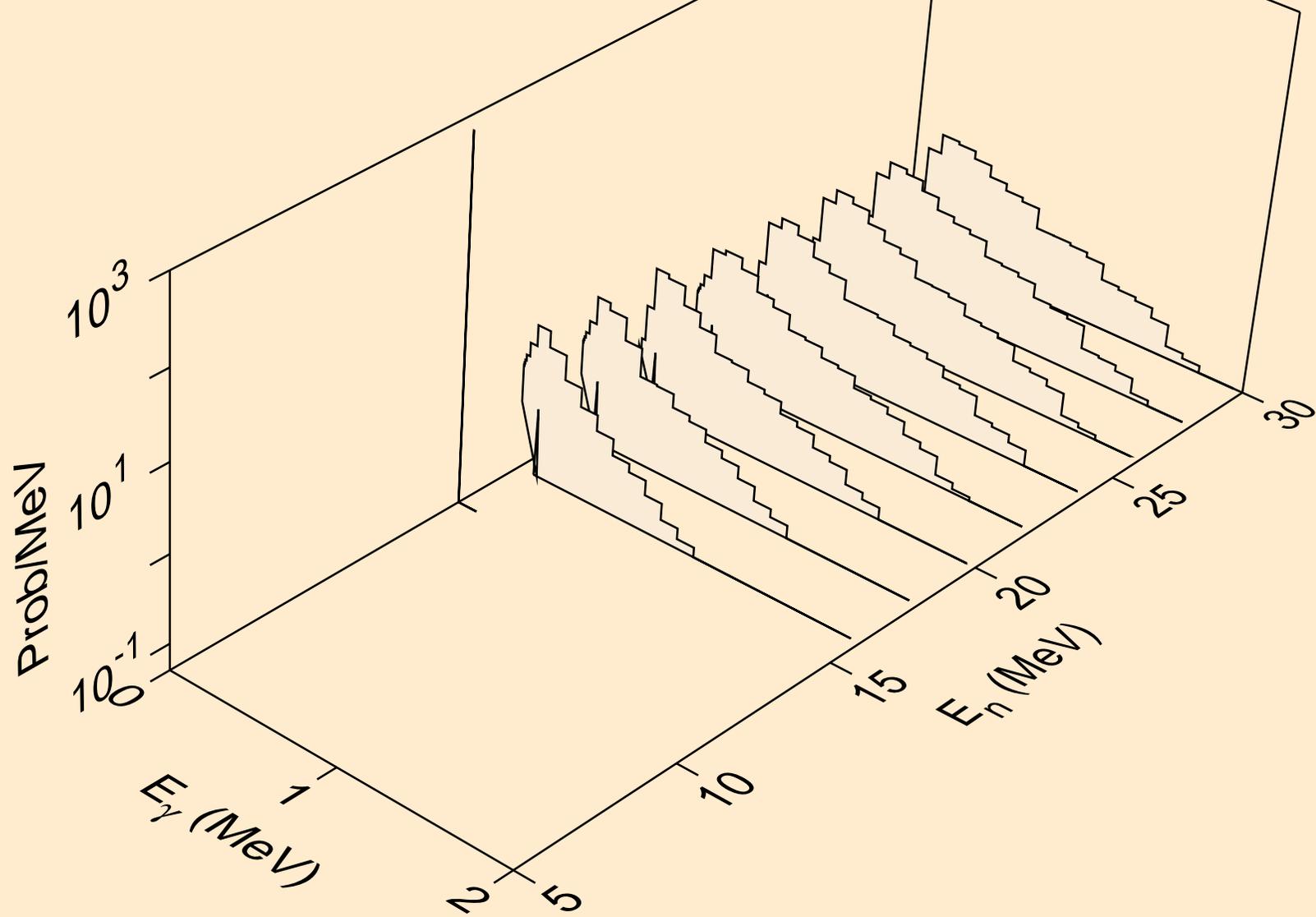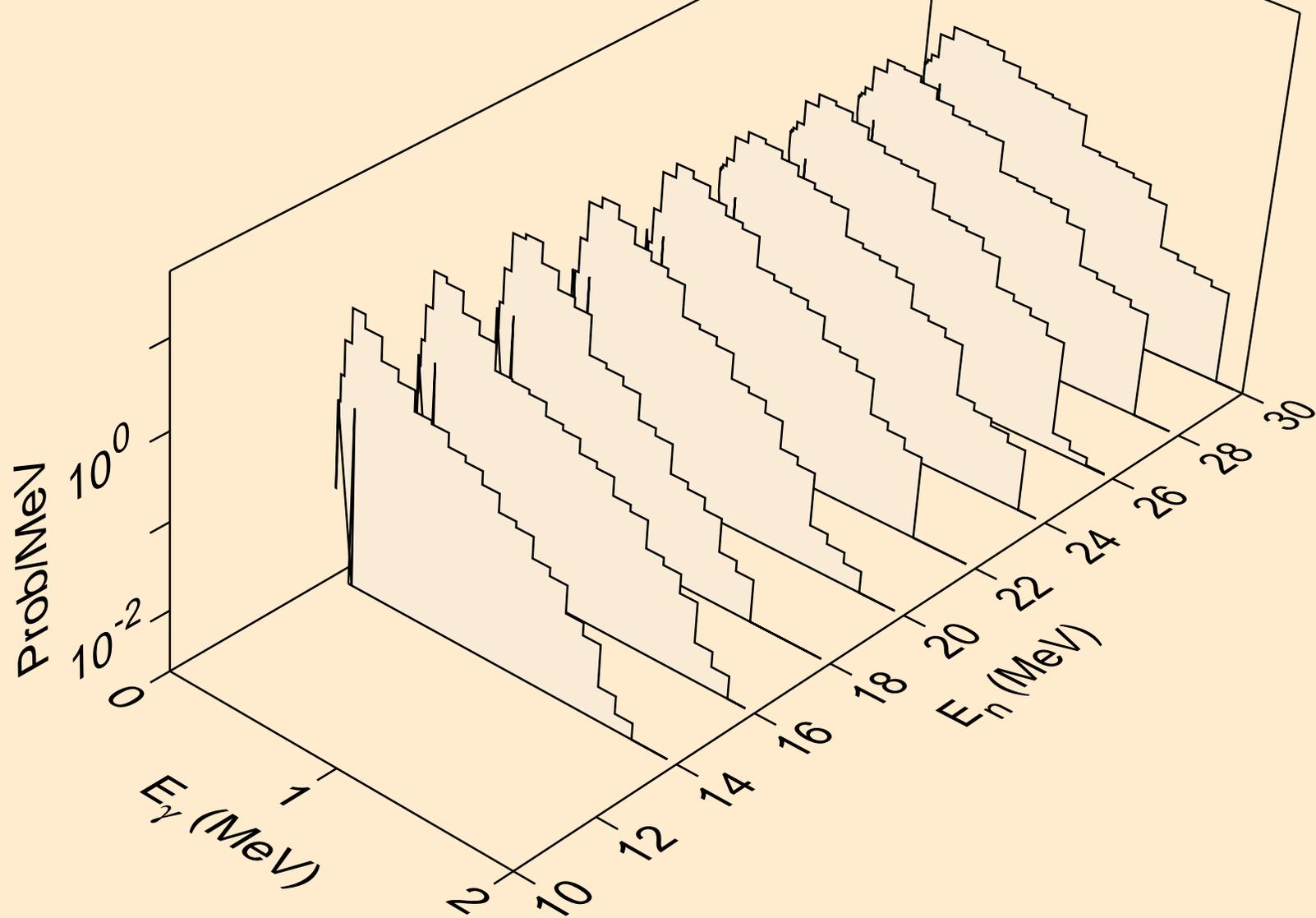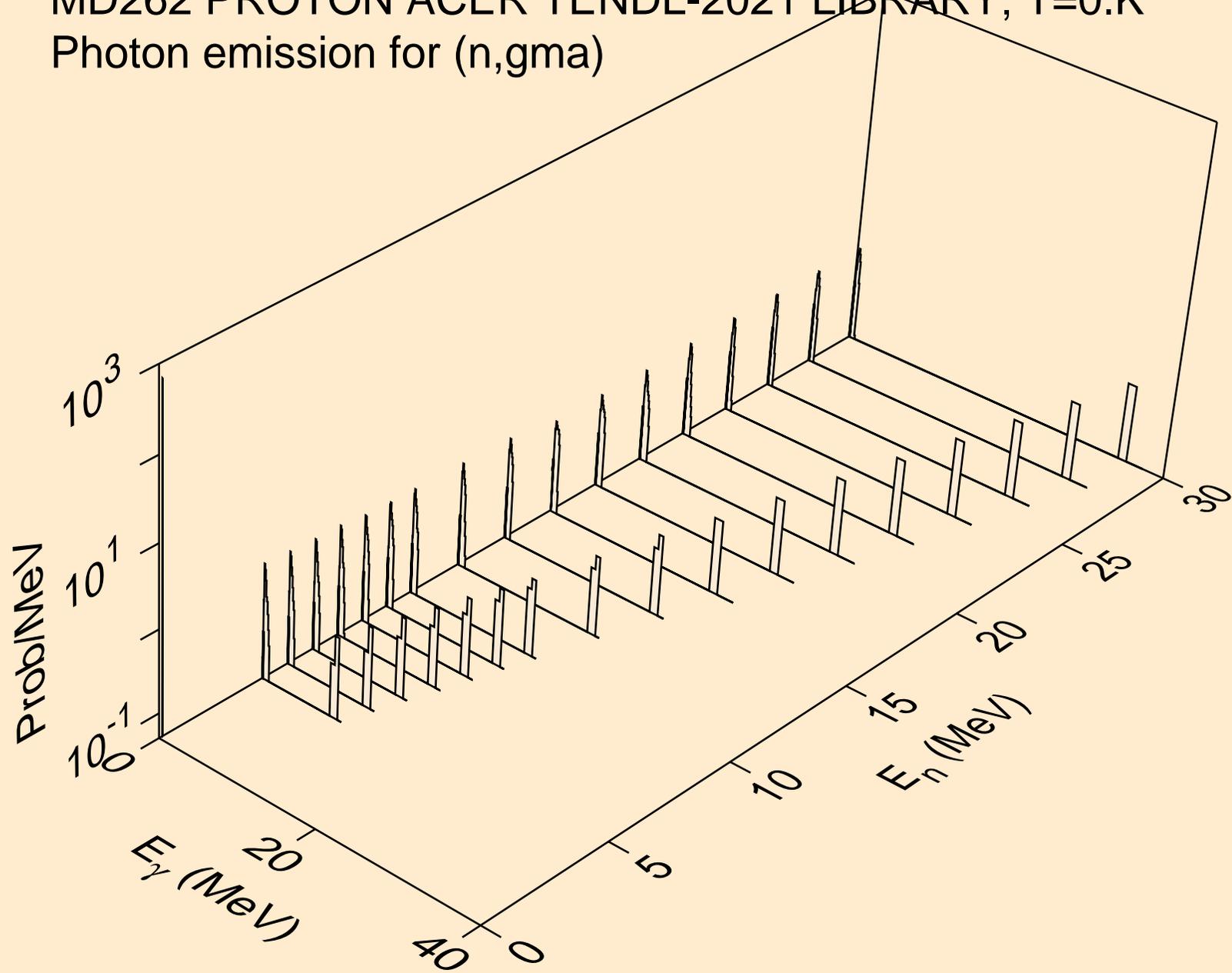E_γ (MeV)

1

2

5

10

15

20

25

30

E_n (MeV)

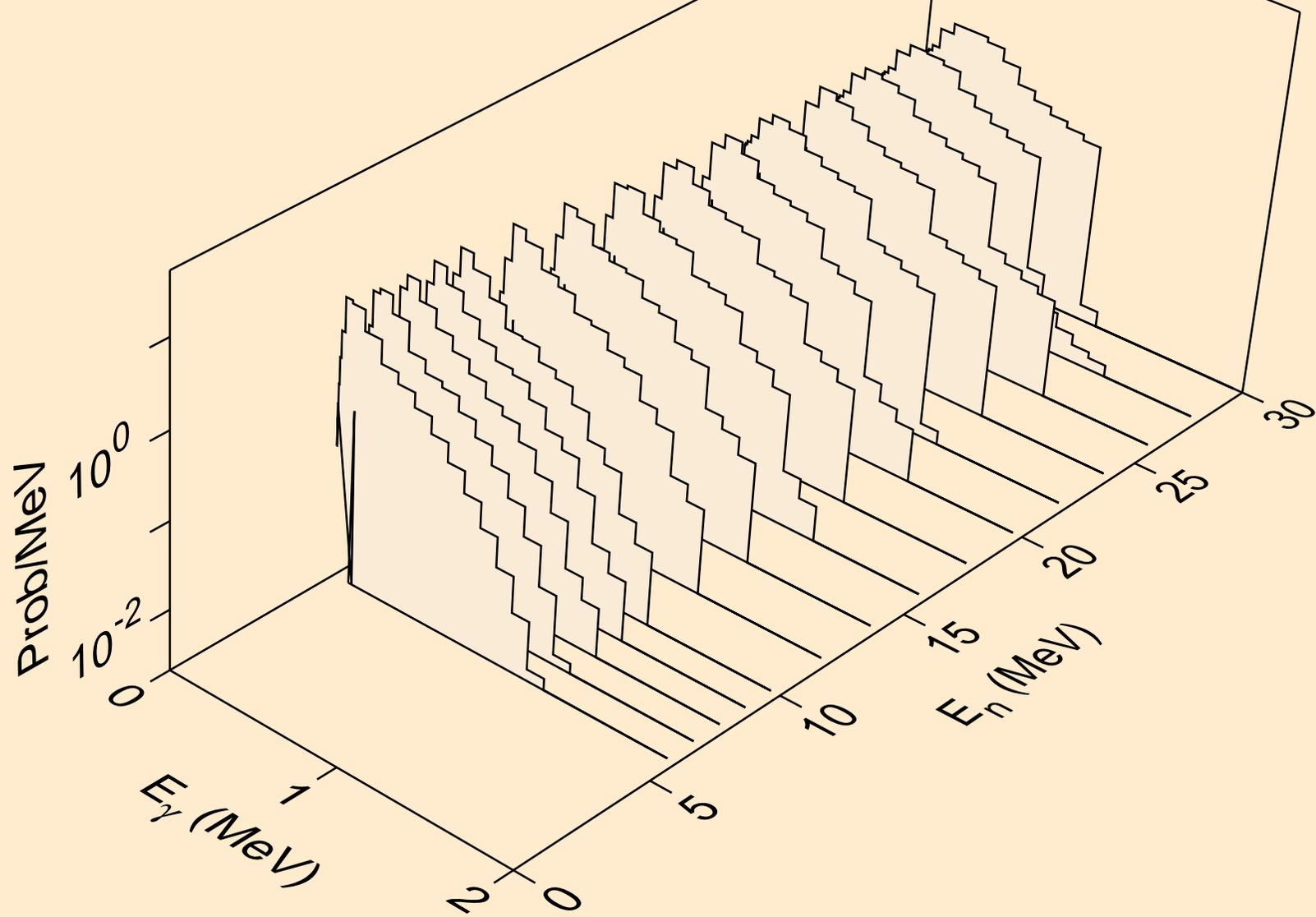MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)t

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
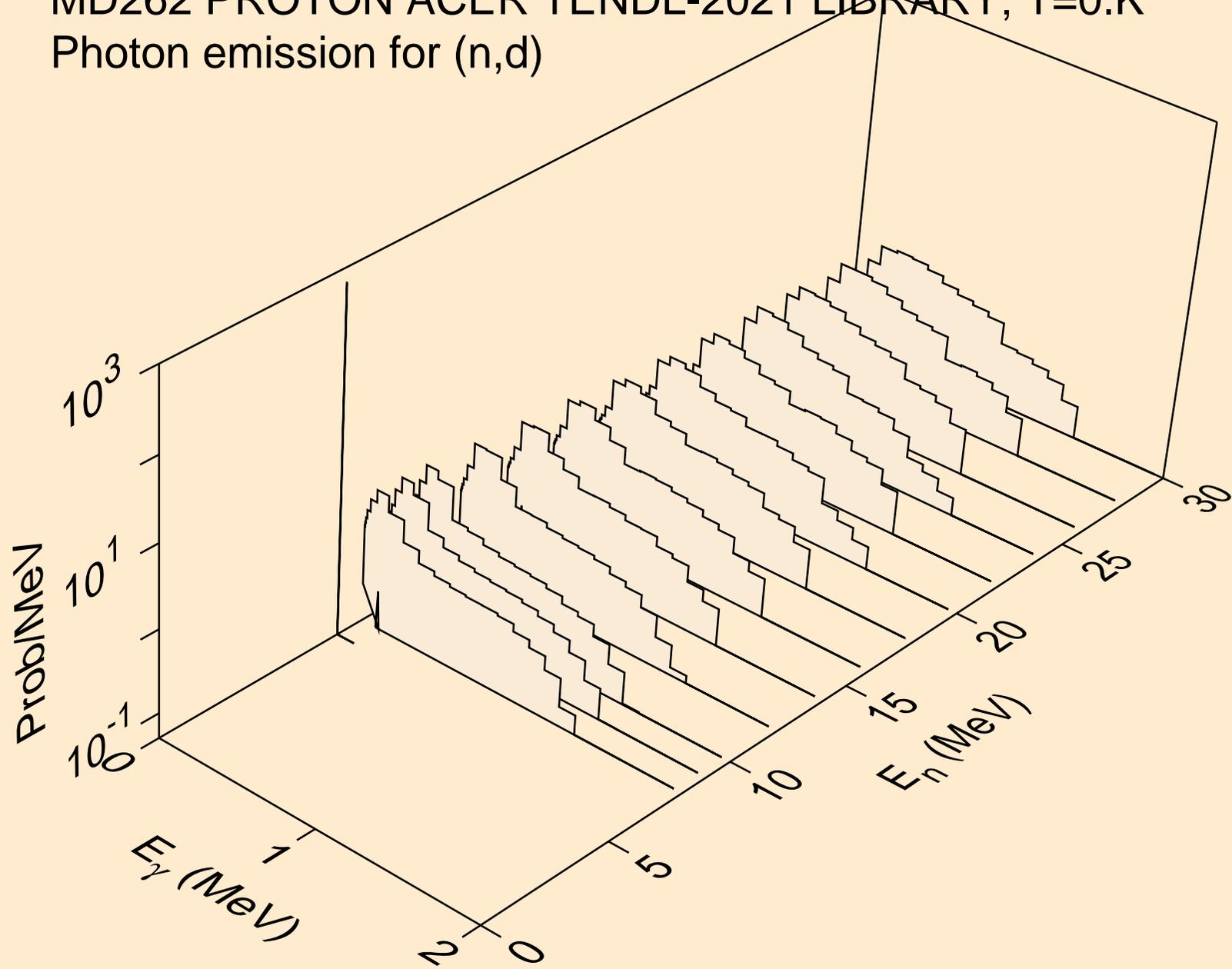Photon emission for (n,2np)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
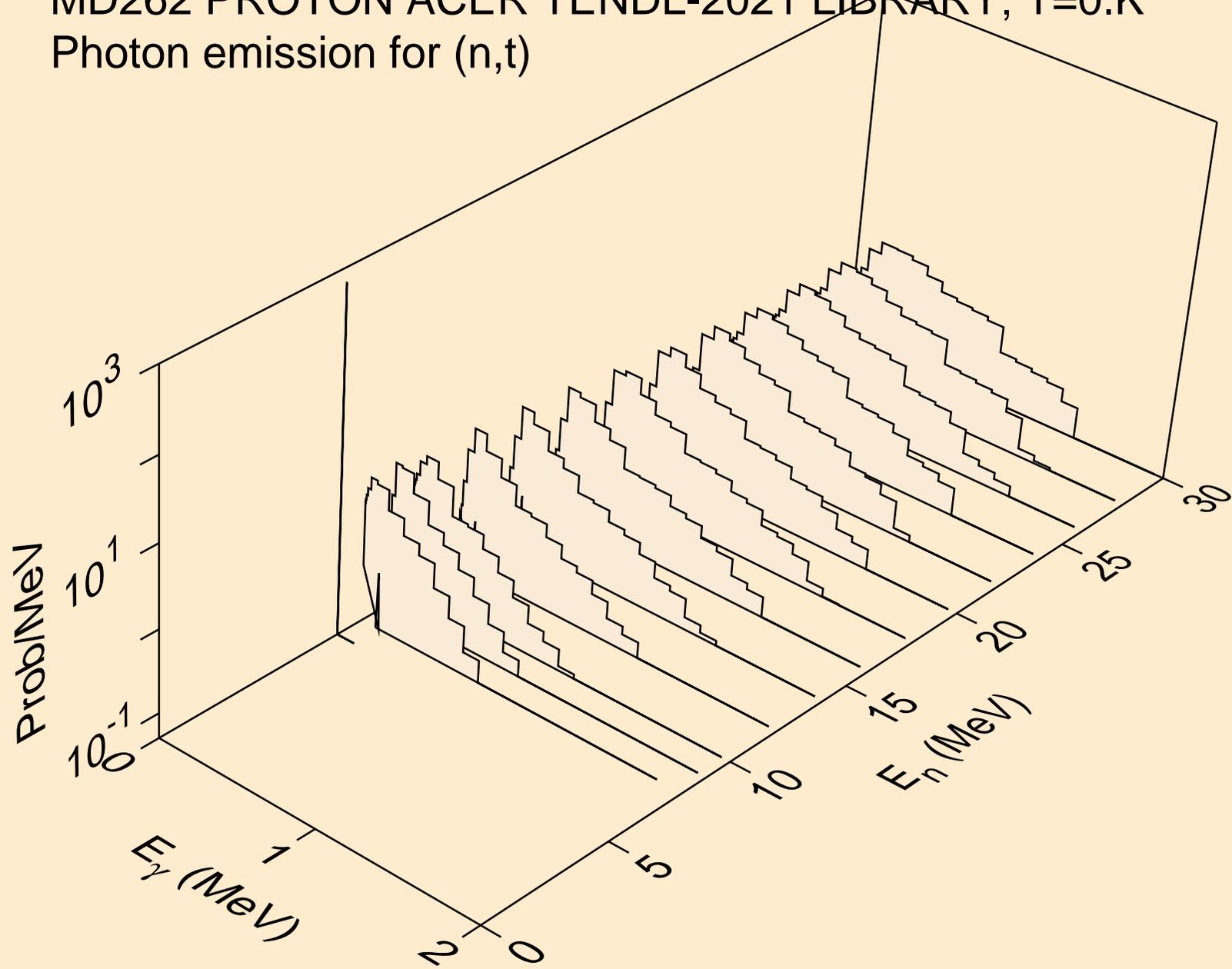Photon emission for (n,gma)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
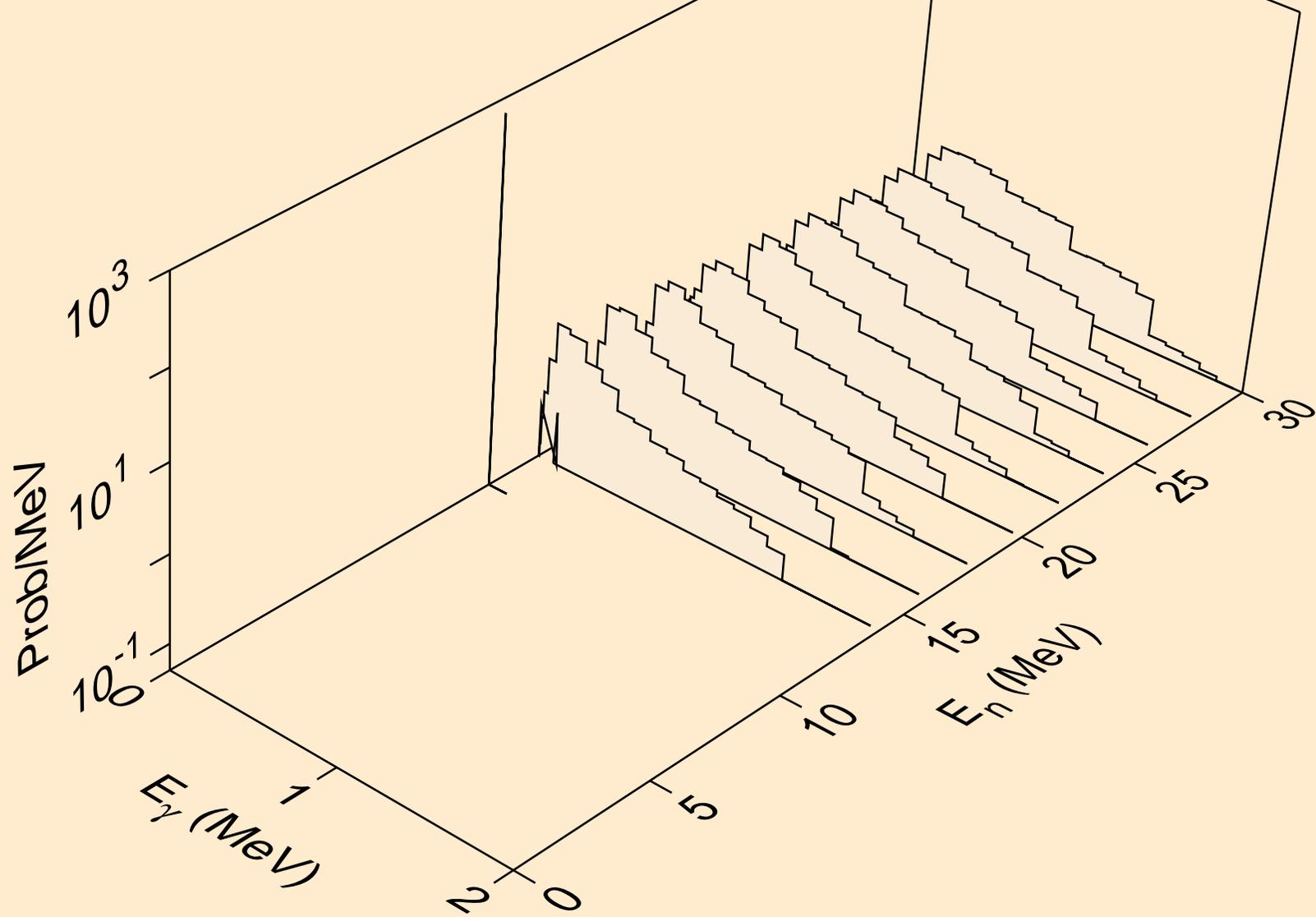Photon emission for inelastic

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
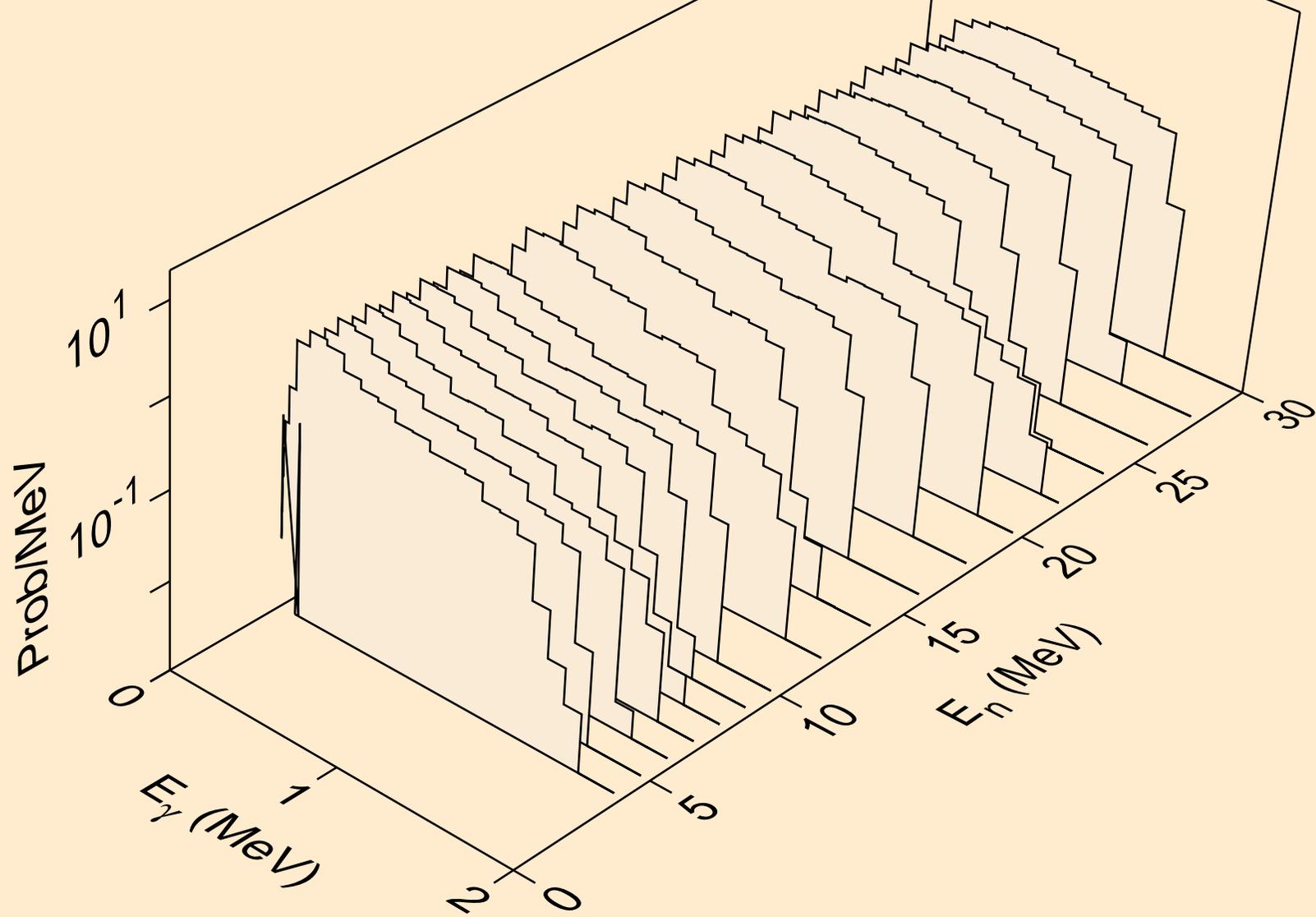Photon emission for (n,d)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
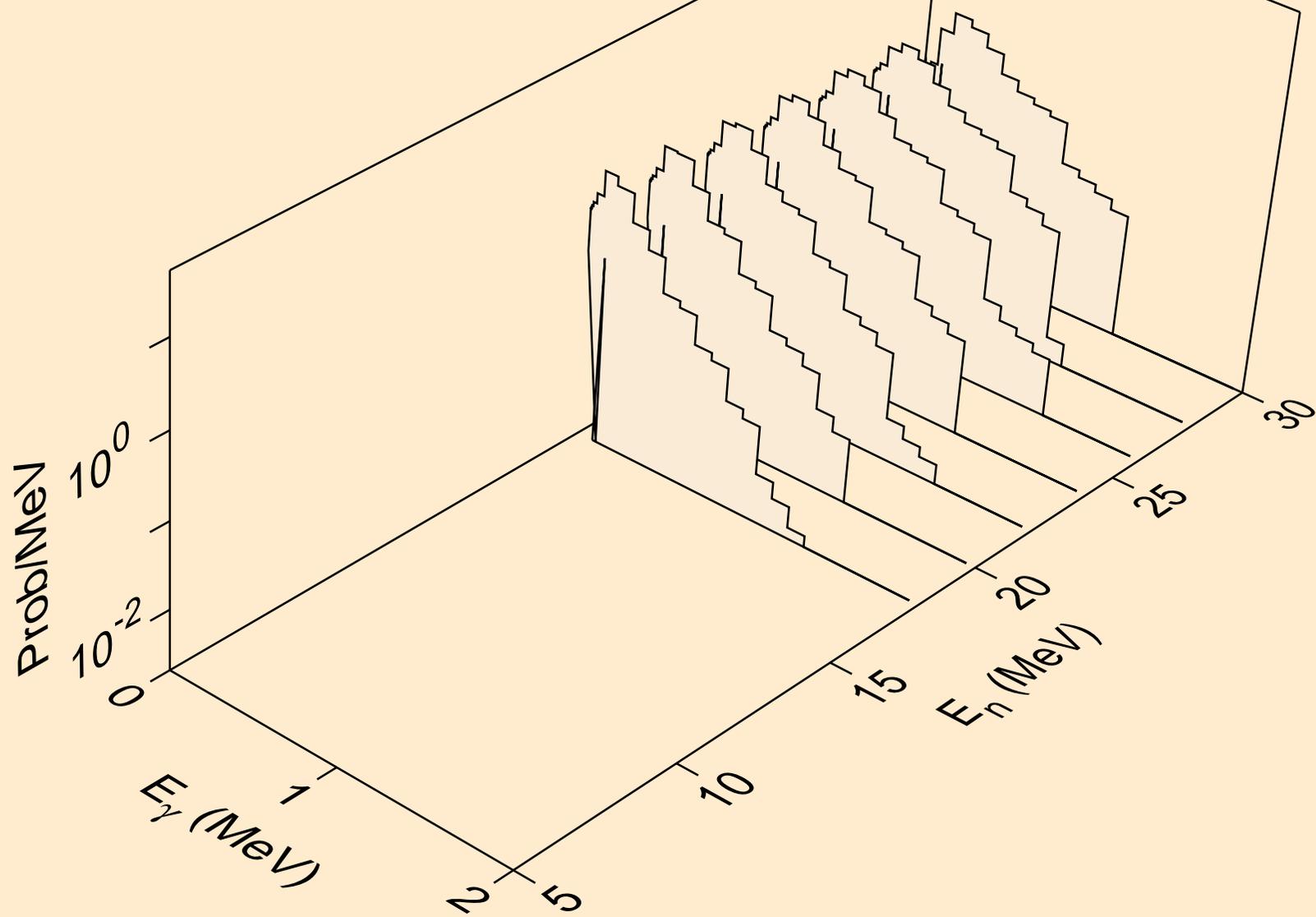Photon emission for (n,t)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,he3)

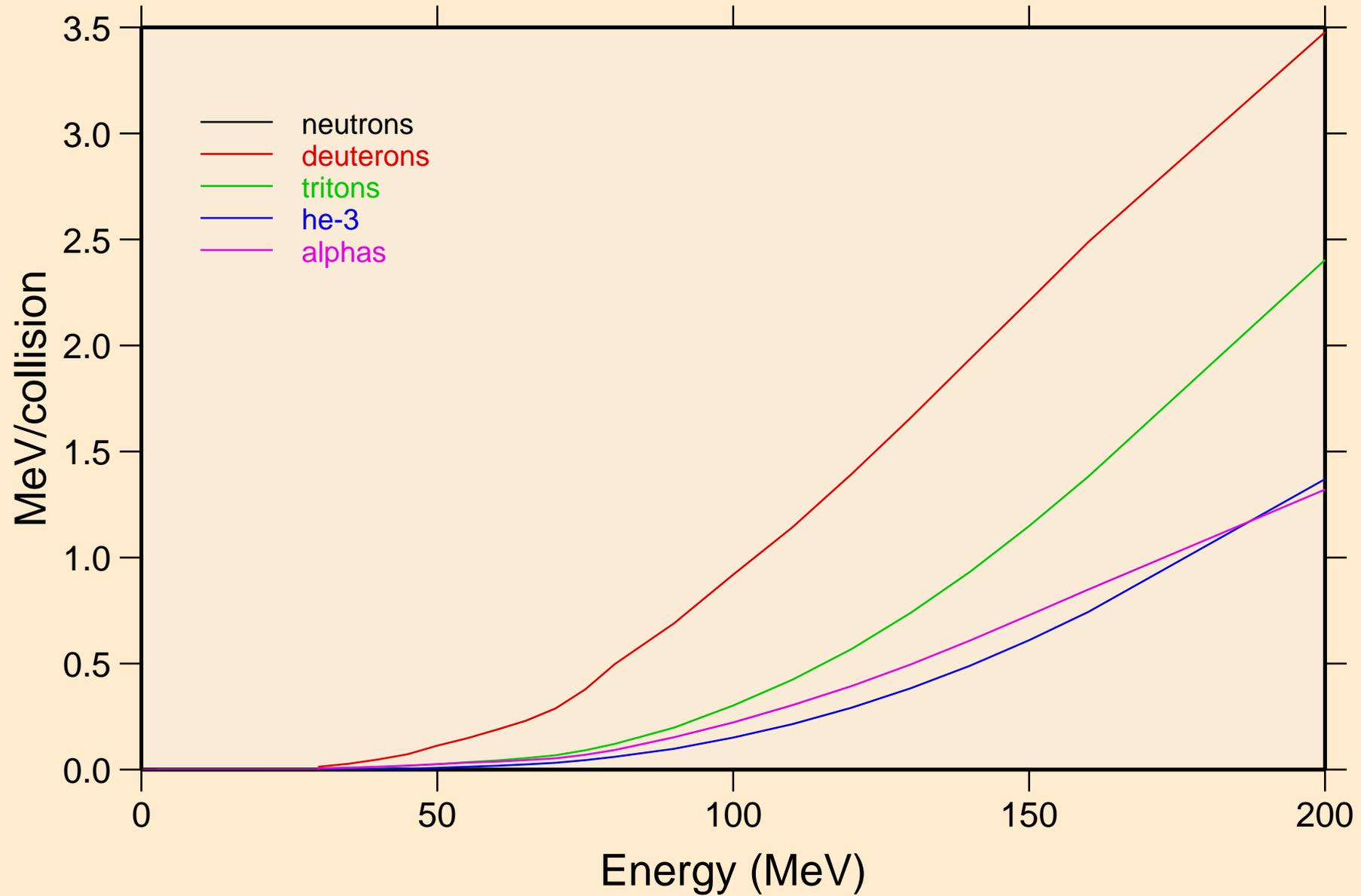MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,a)

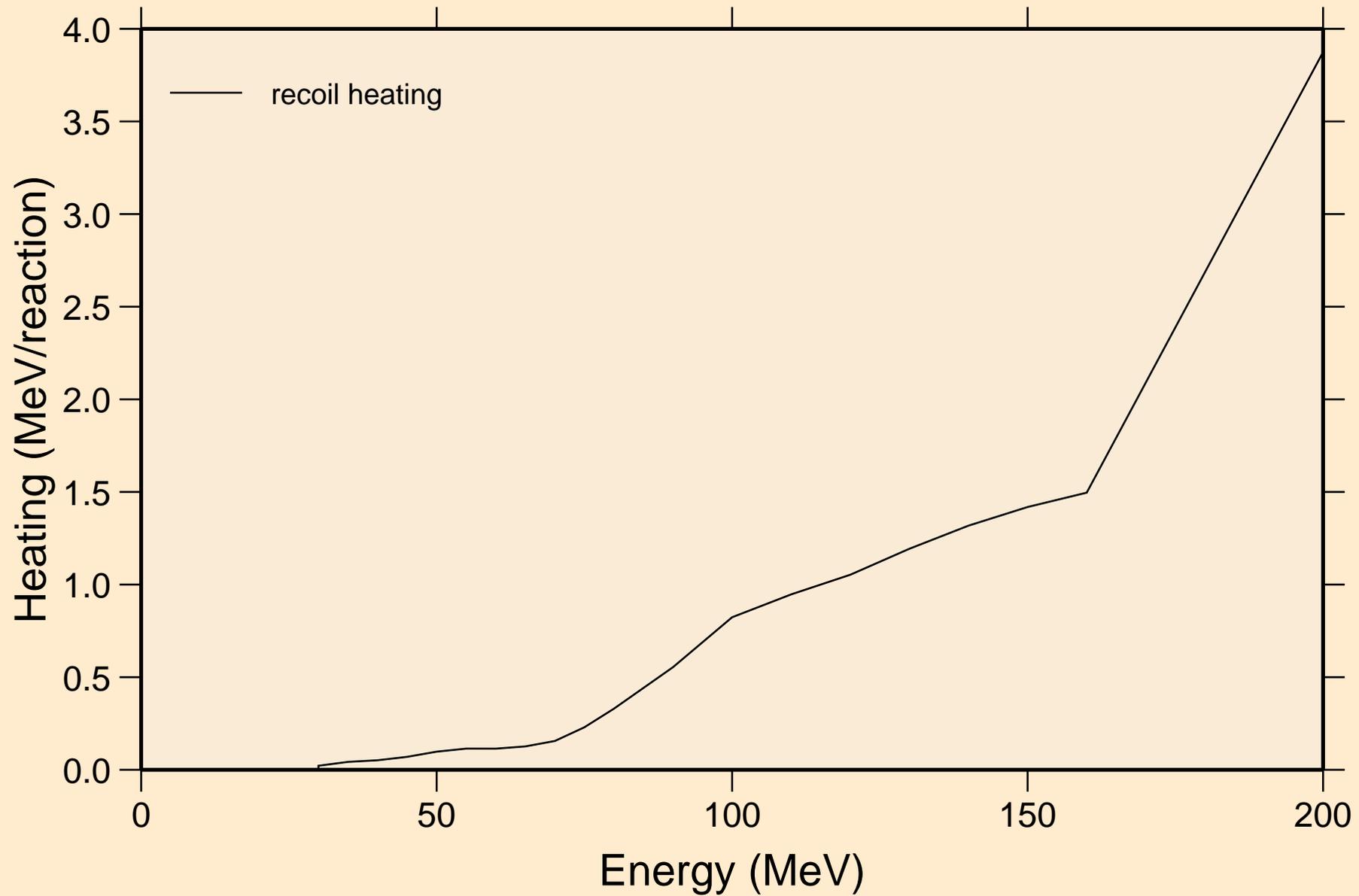MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
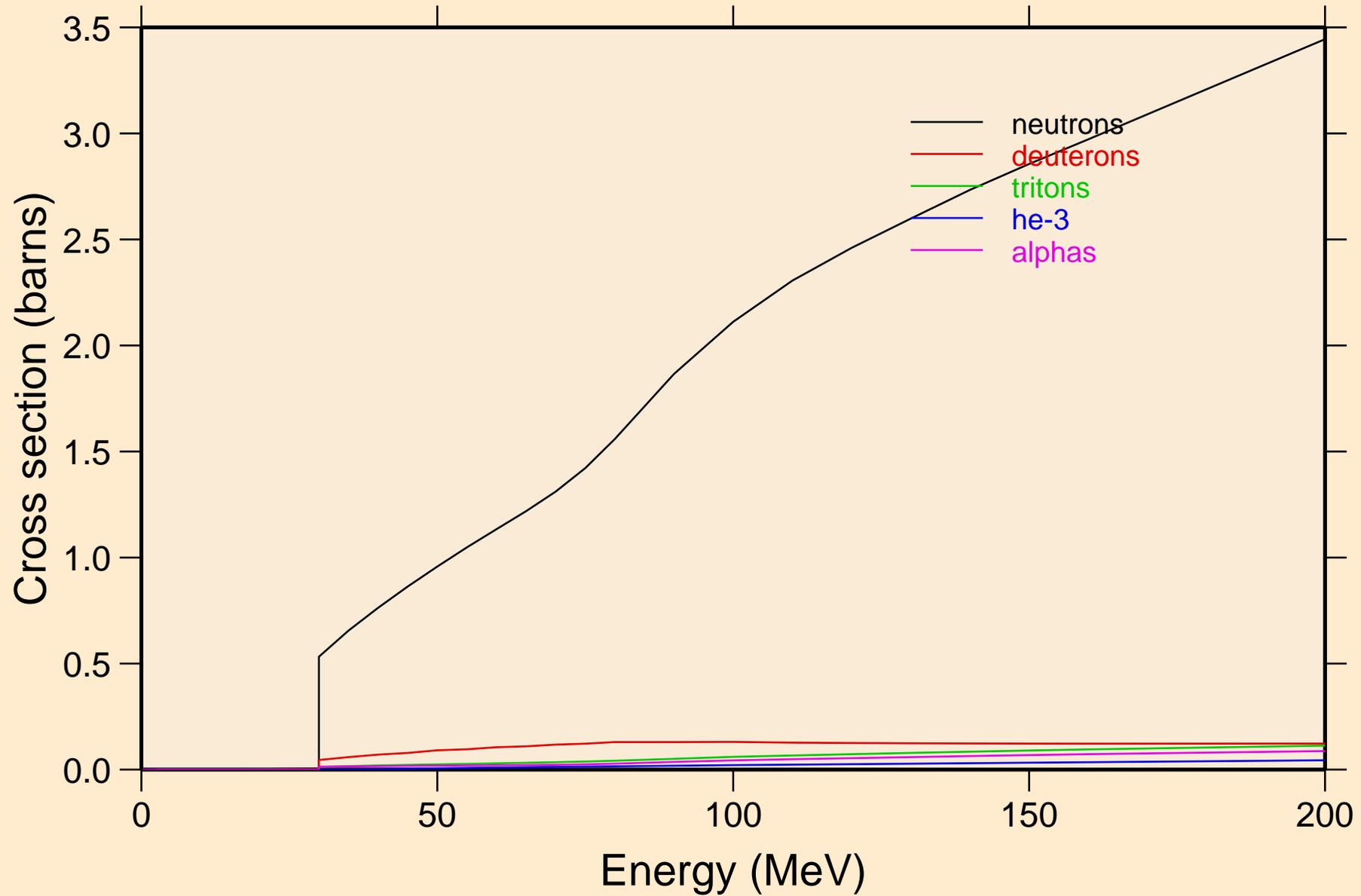Photon emission for (n,2p)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions

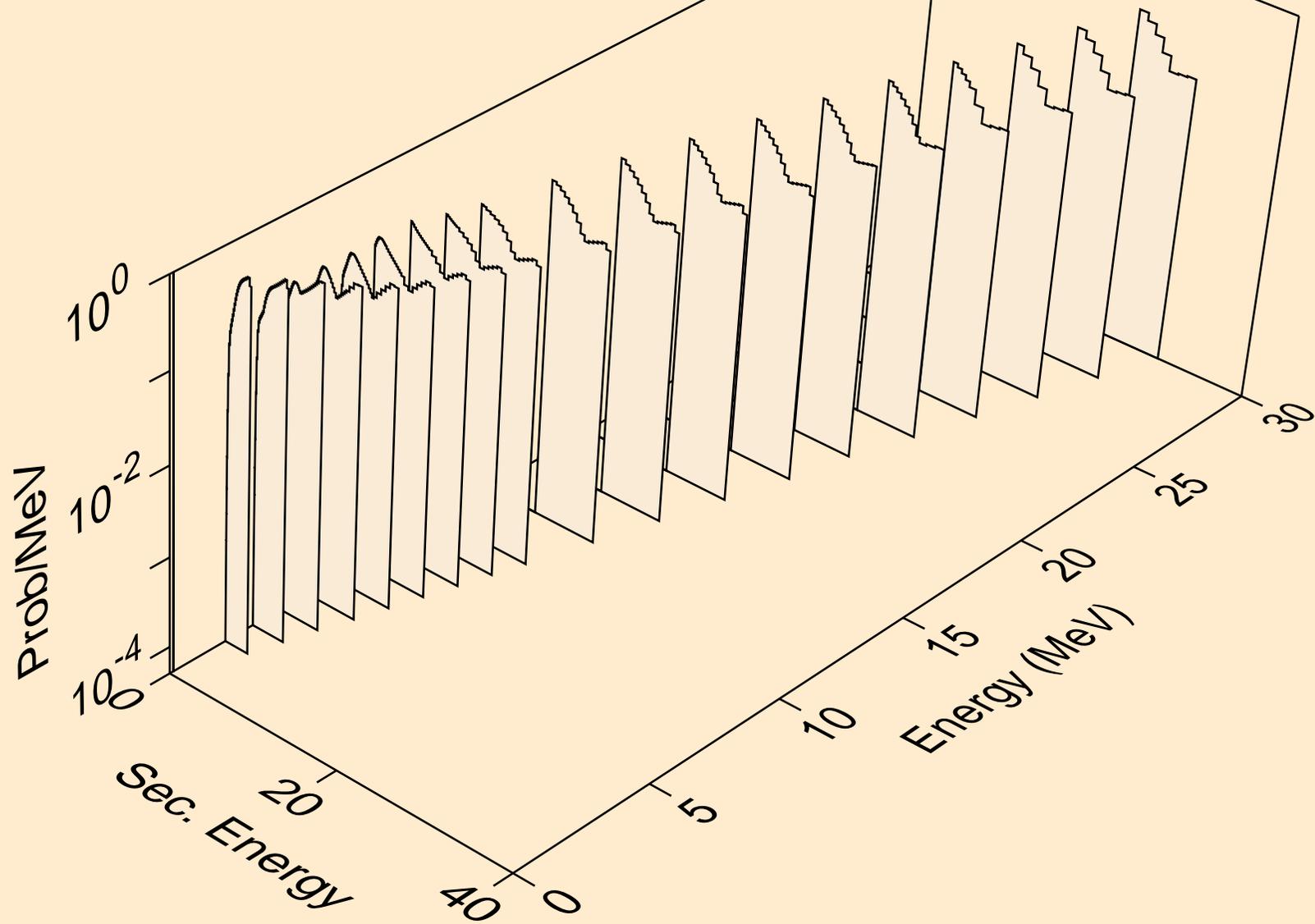neutrons
deuterons
tritons
he-3
alphas

MeV/collision

Energy (MeV)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Recoil Heating

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Particle production cross sections

- neutrons
- deuterons
- tritons
- he-3
- alphas

Cross section (barns) vs Energy (MeV)
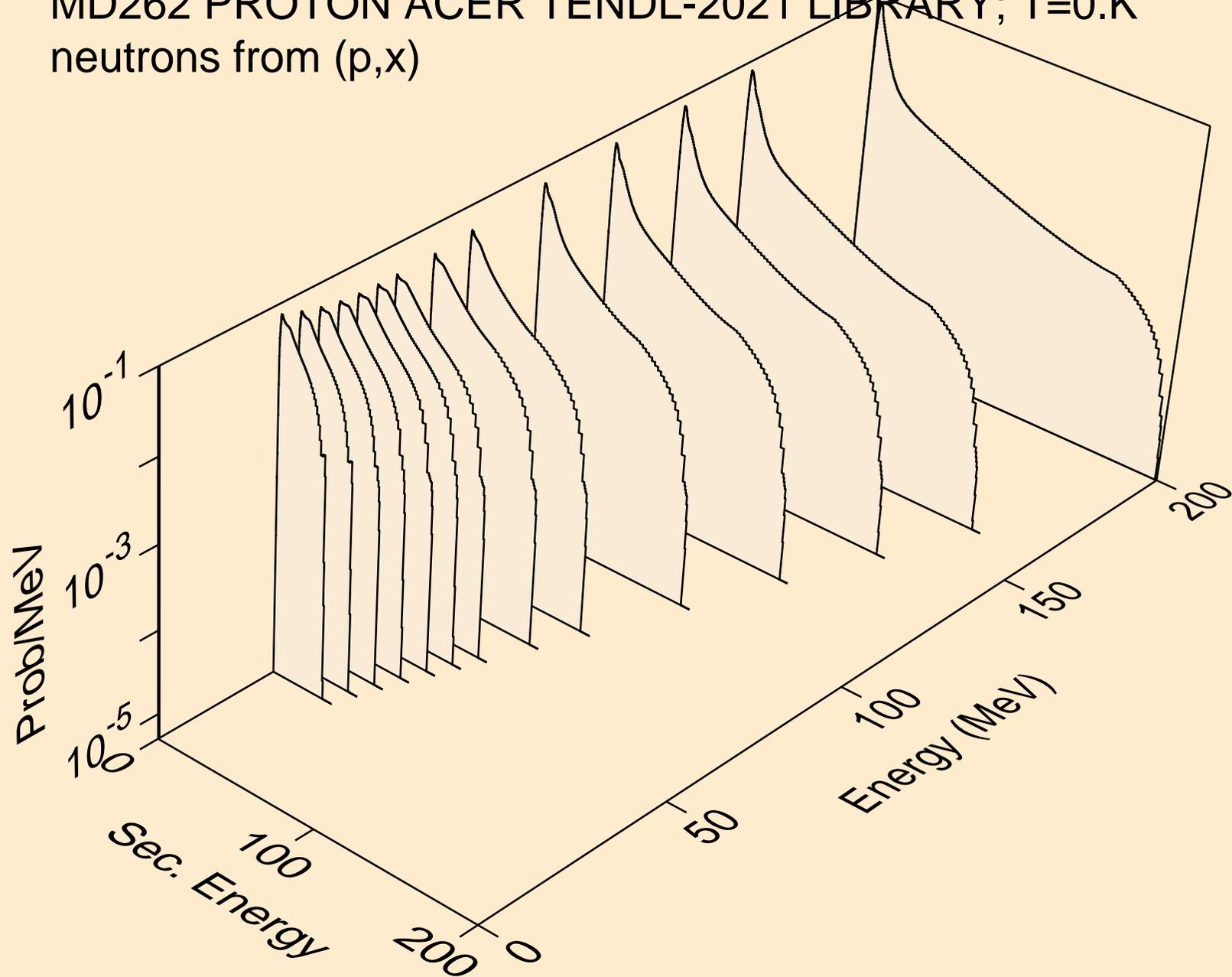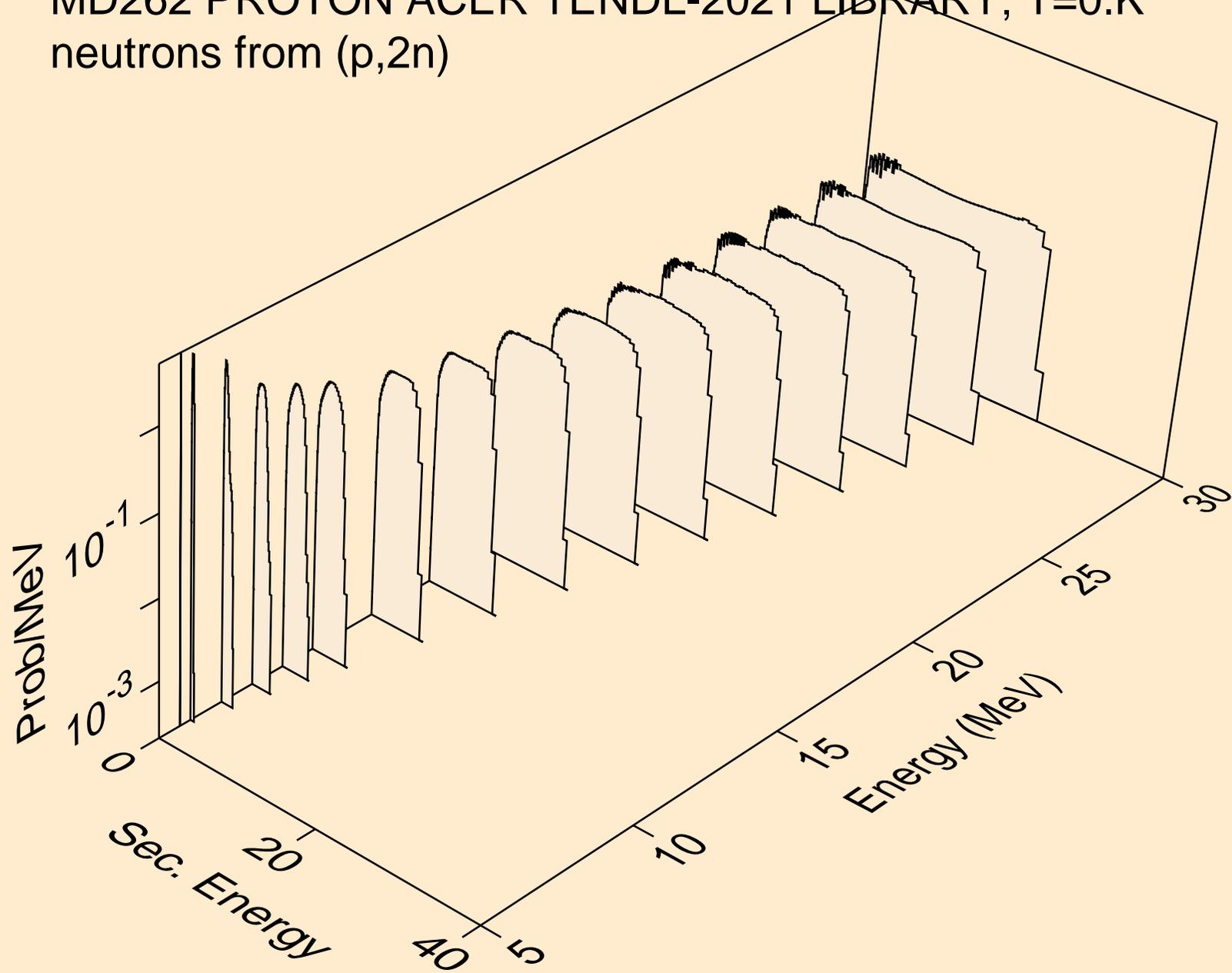
MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
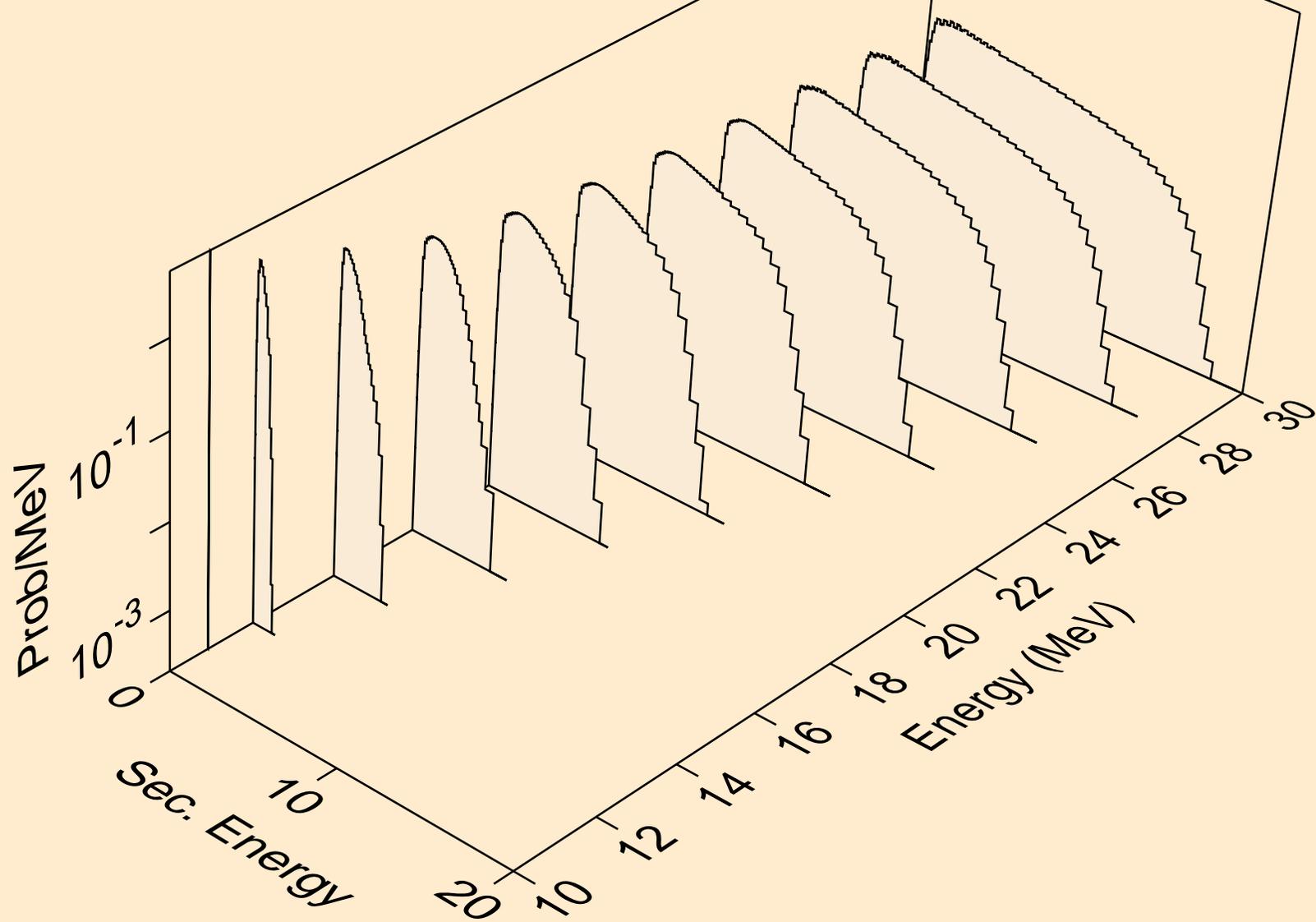neutrons from (p,n)

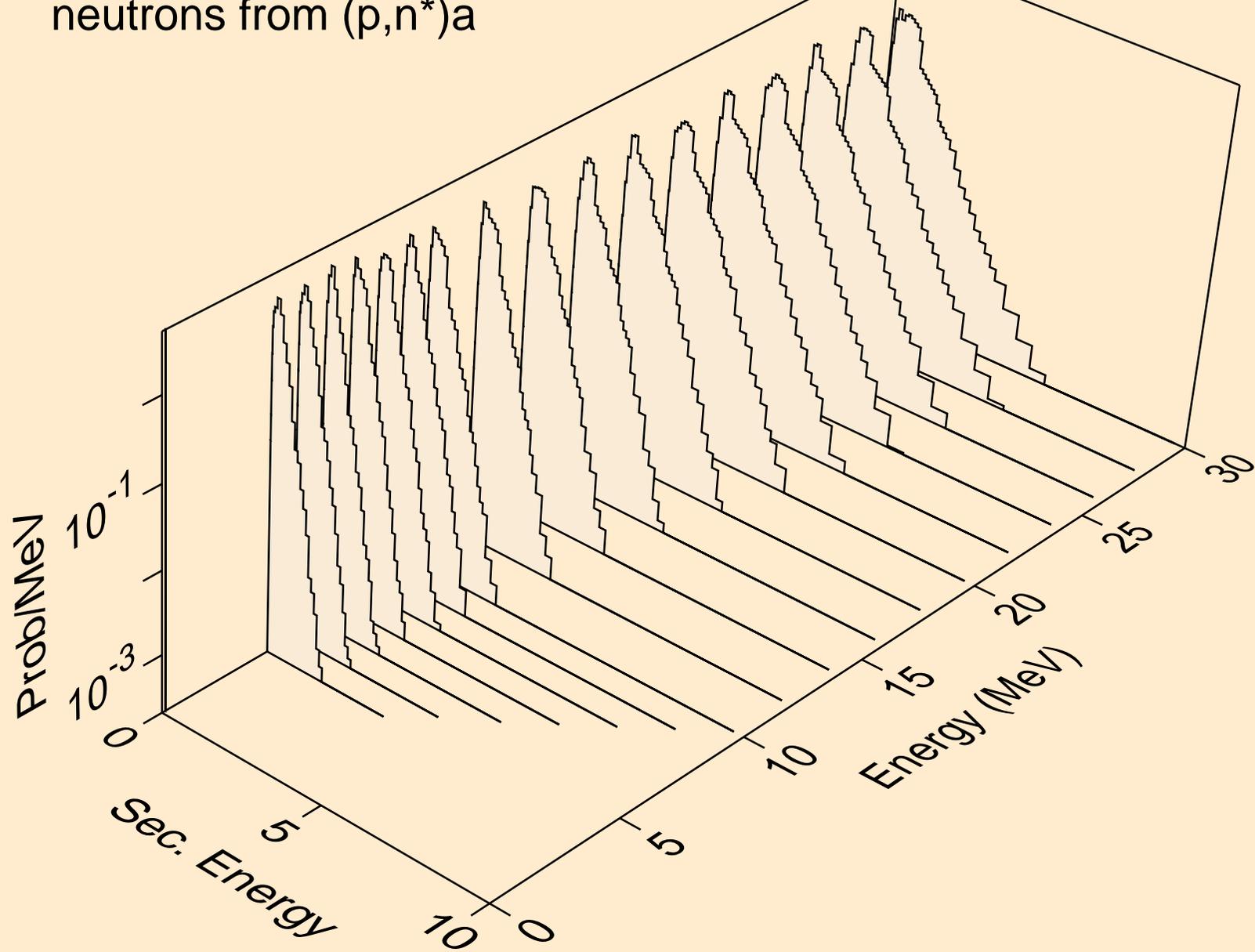MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,x)

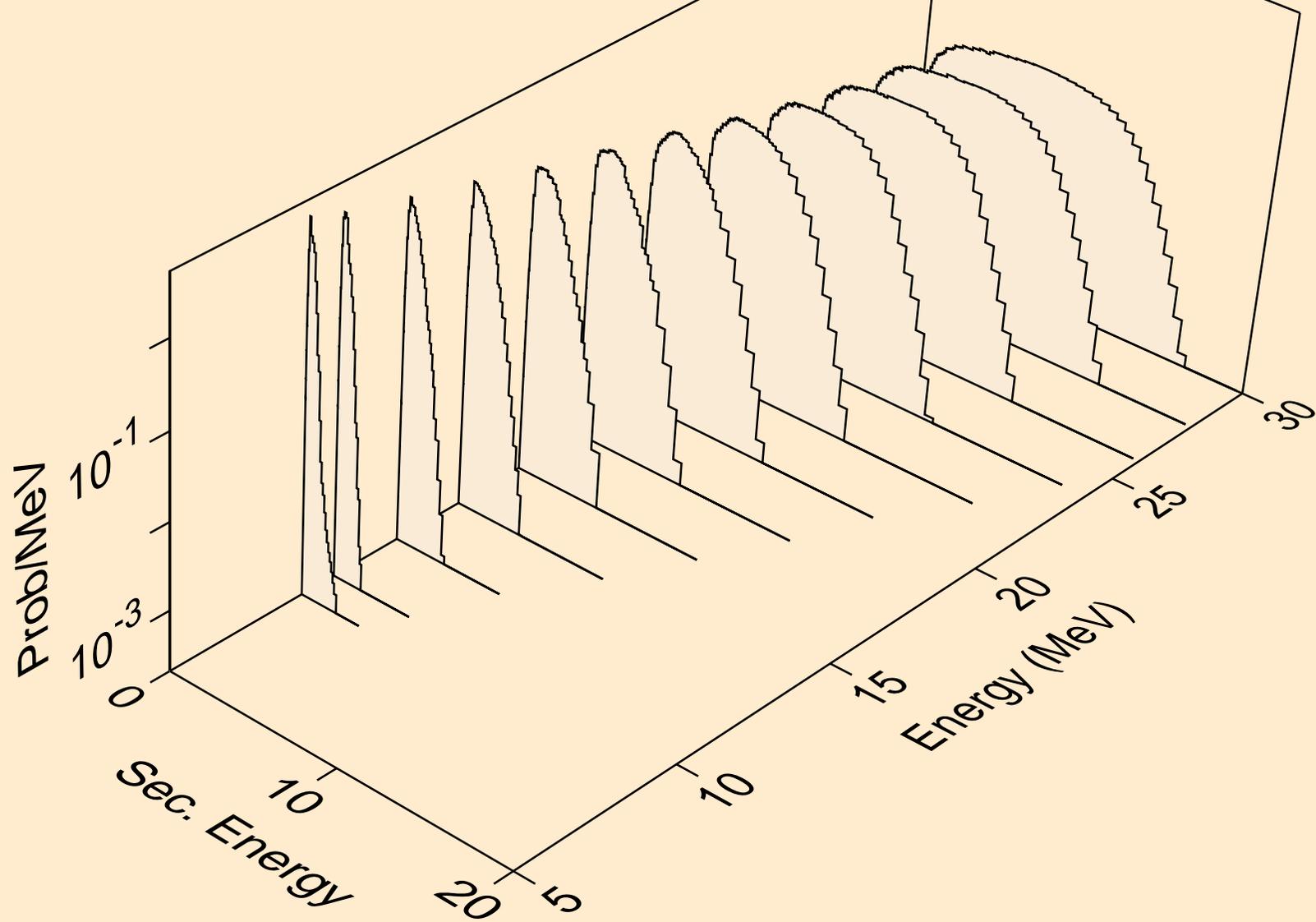MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2n)

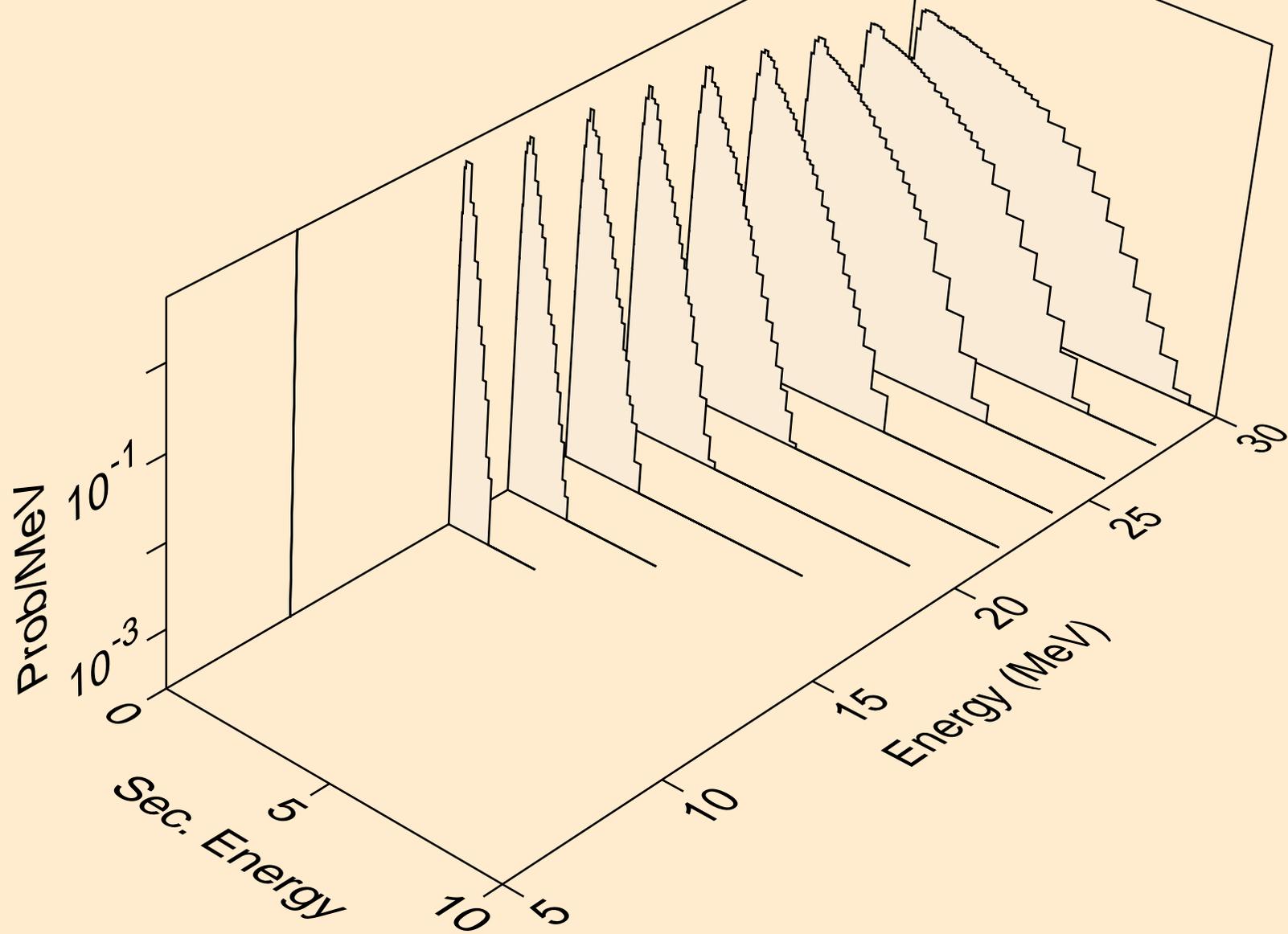MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3n)

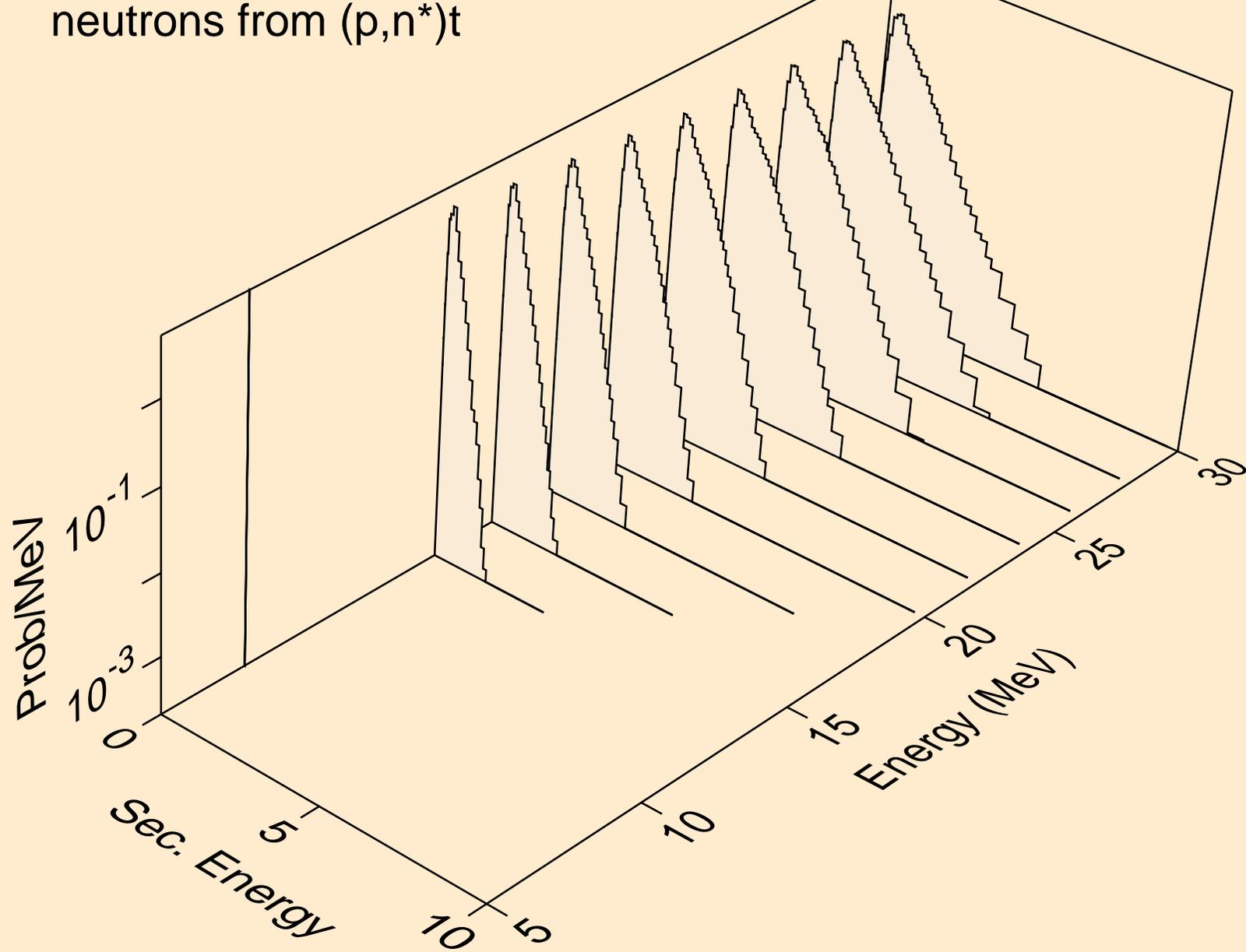MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)a

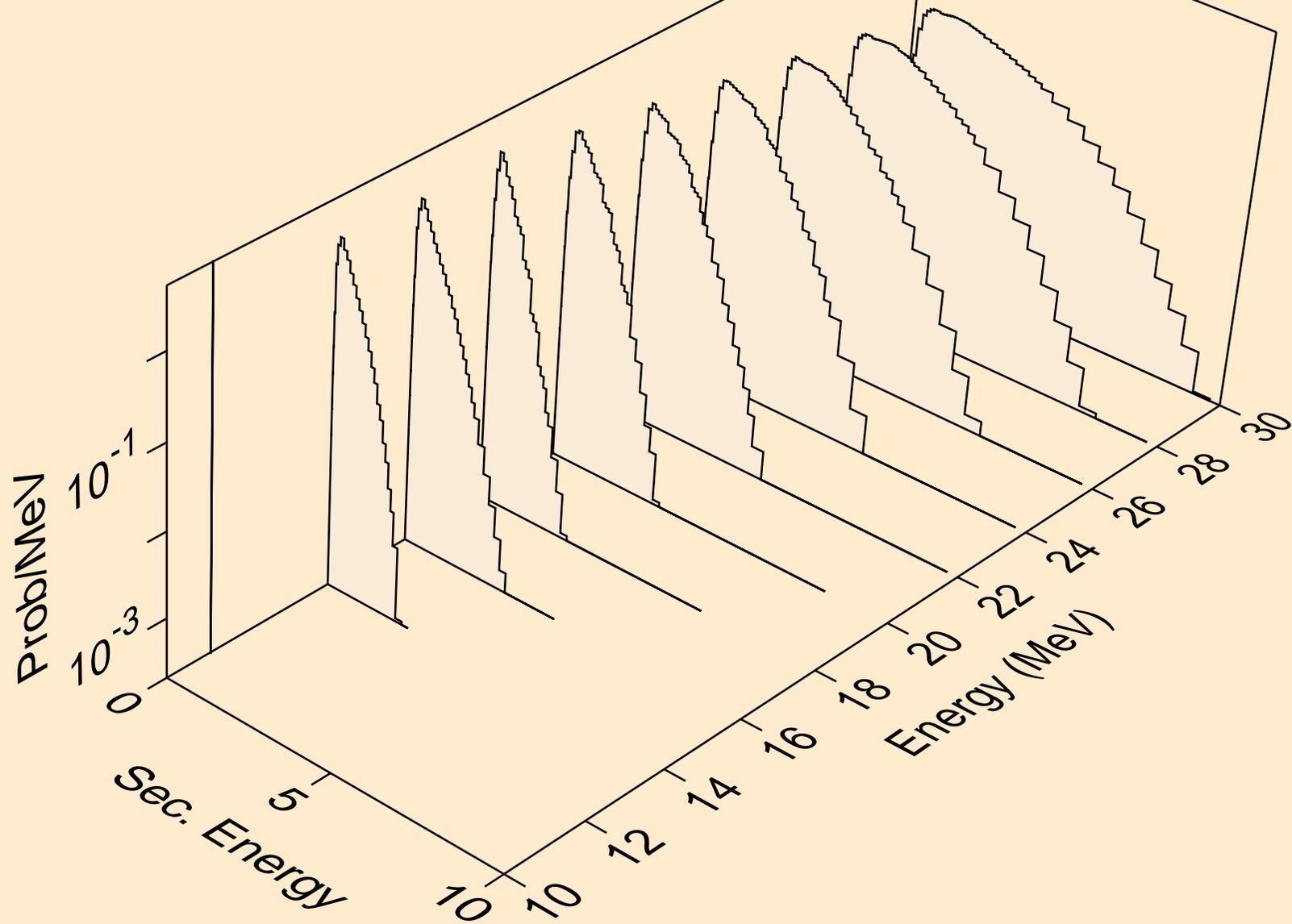MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)p

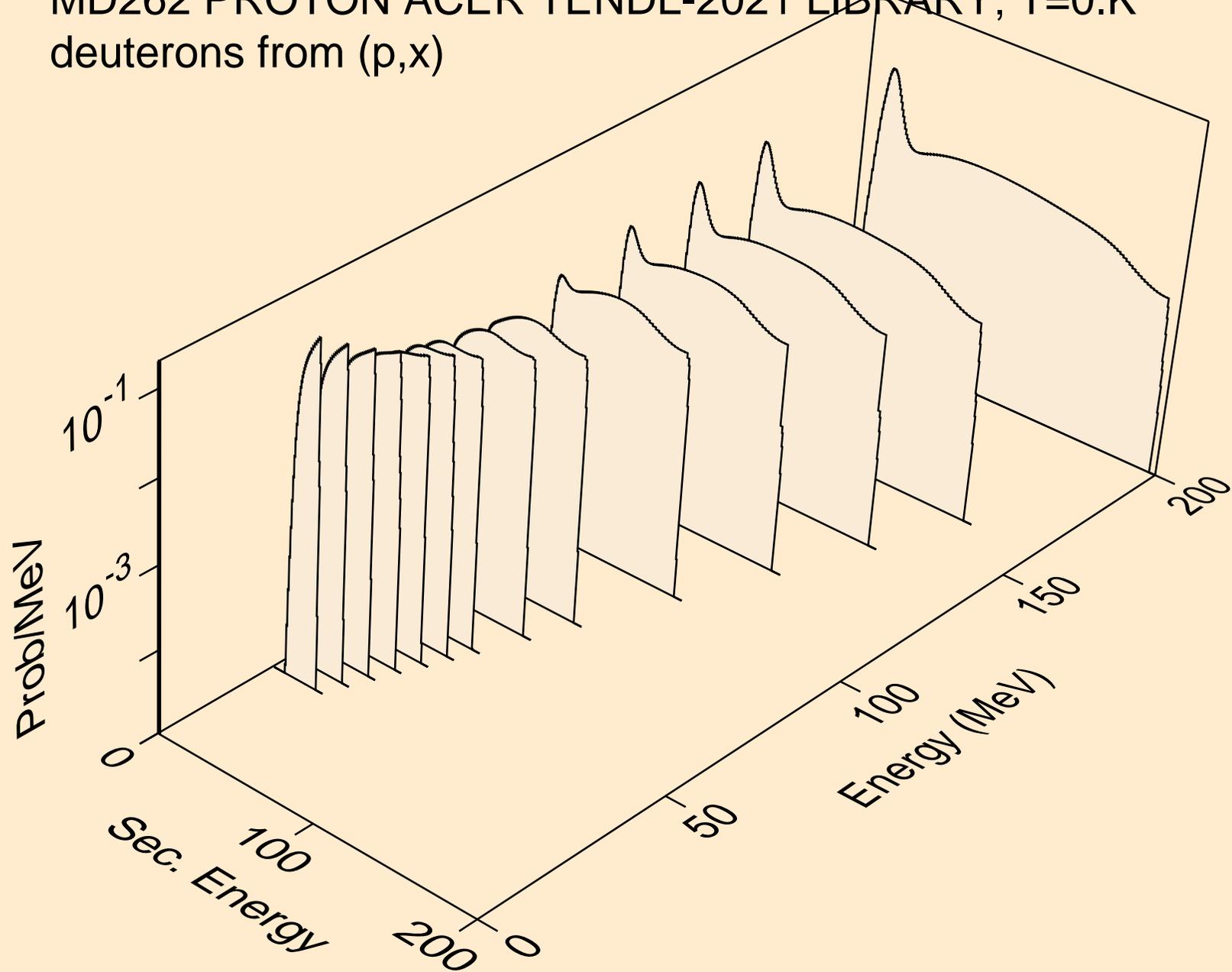MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)d

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
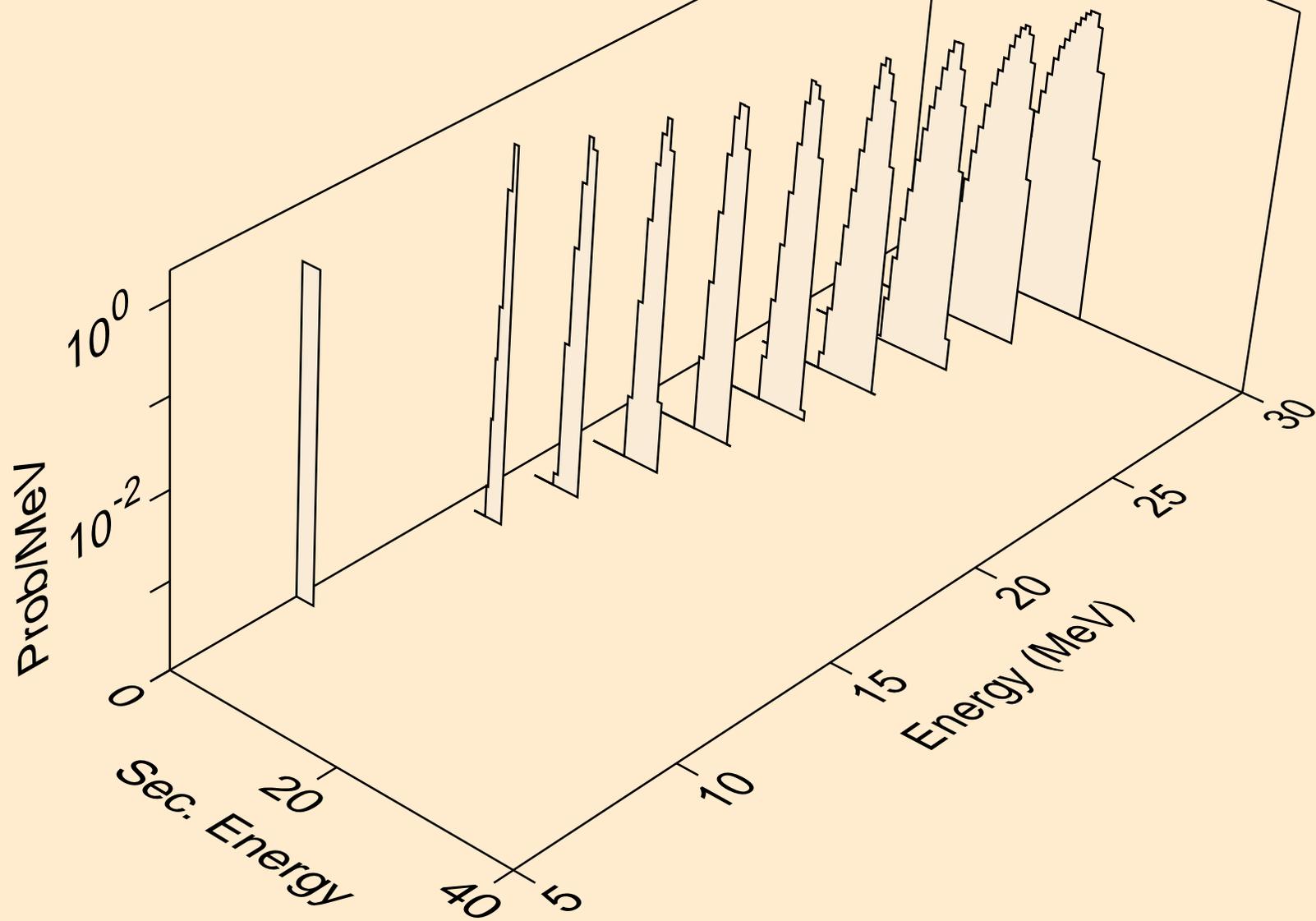neutrons from (p,n*)t

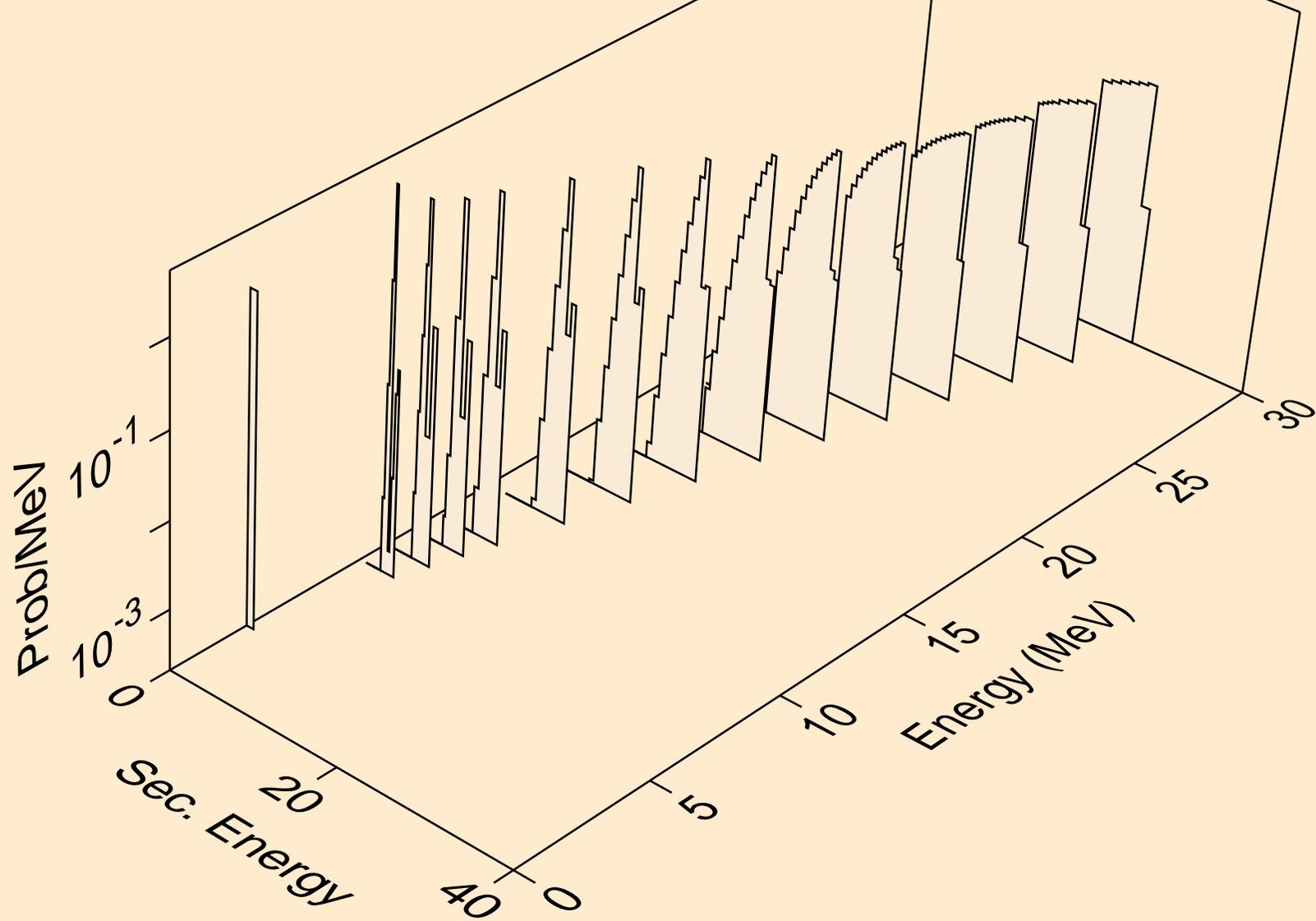MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2np)

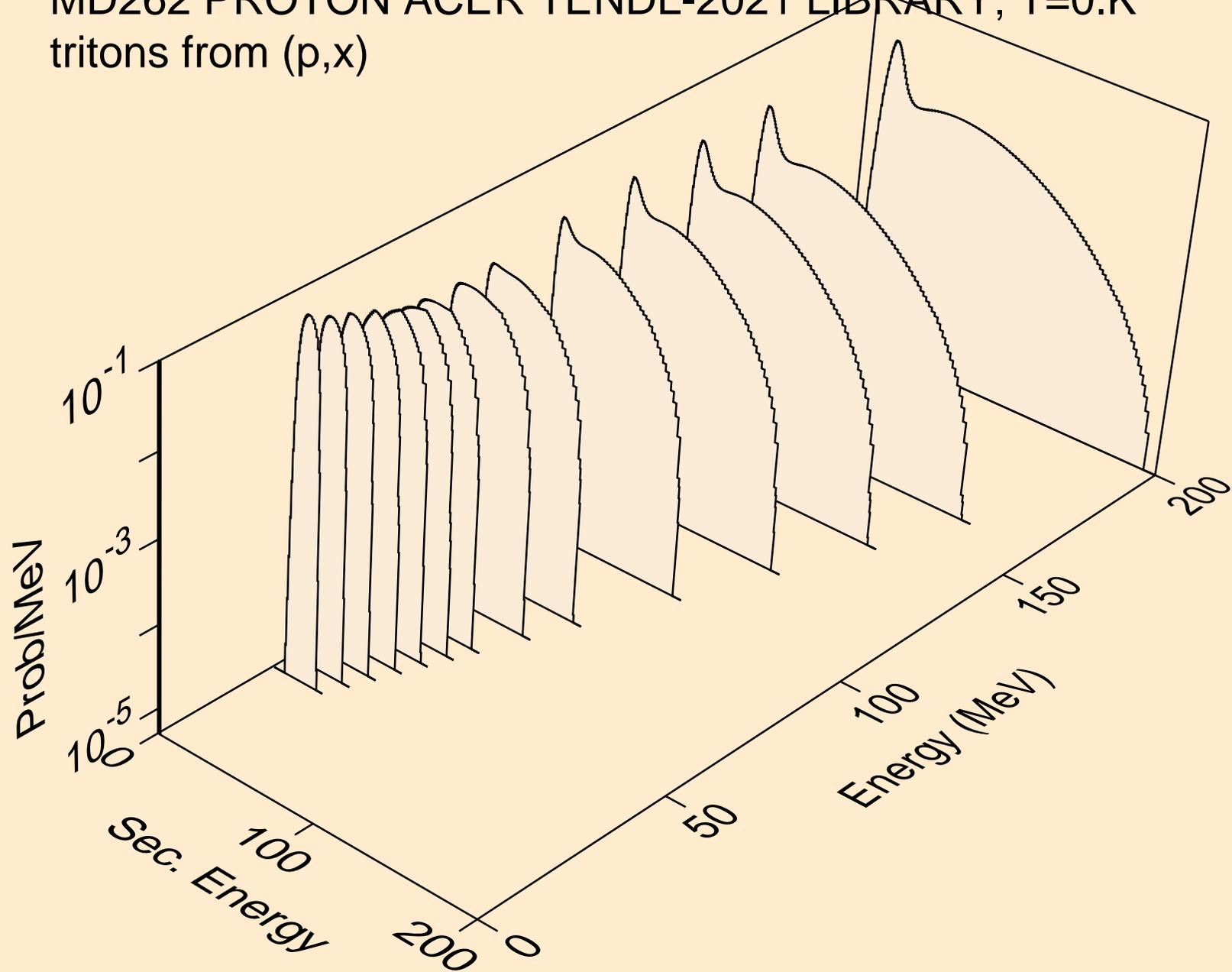MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (p,x)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
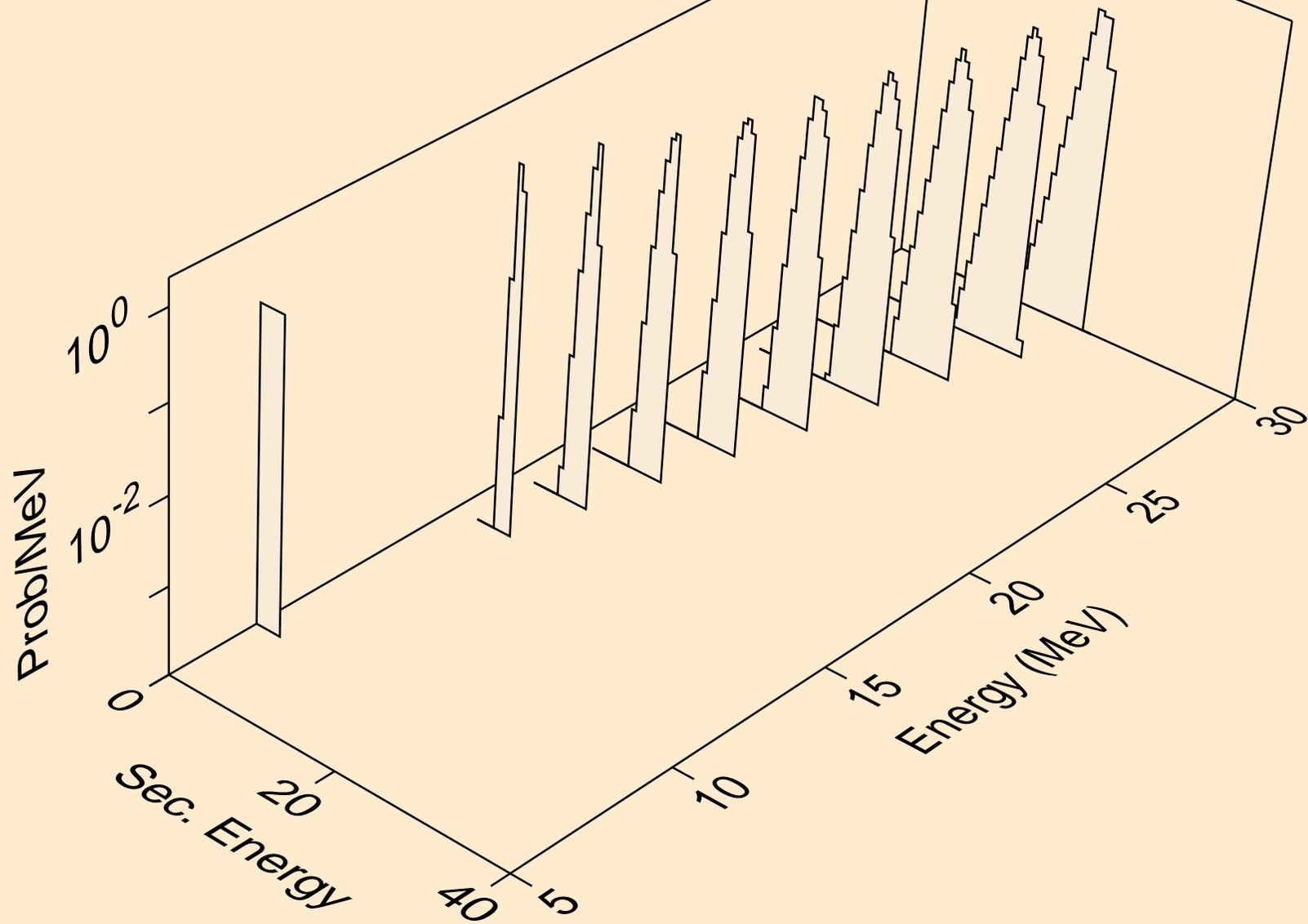deuterons from (p,n*)d

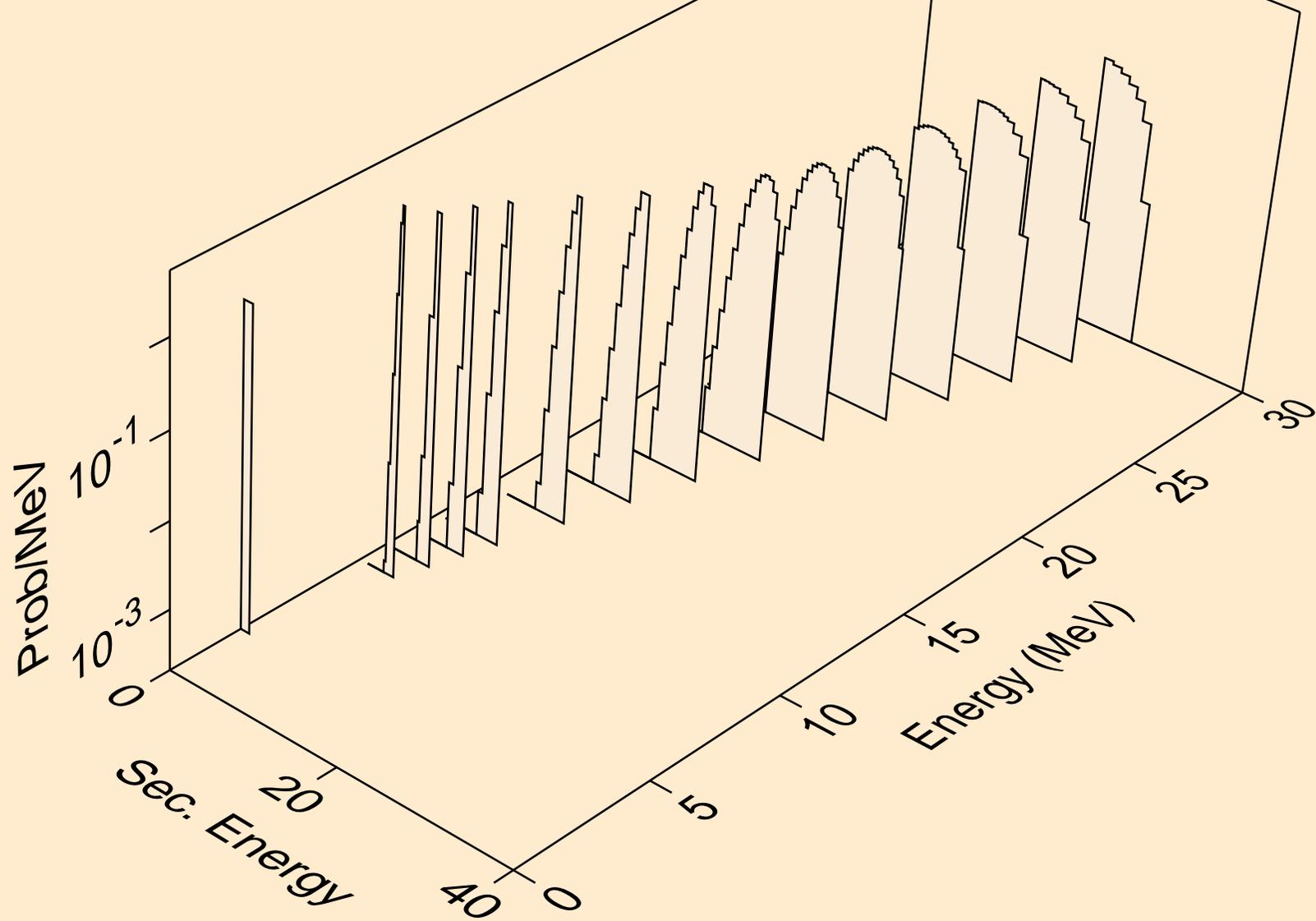MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (p,d)

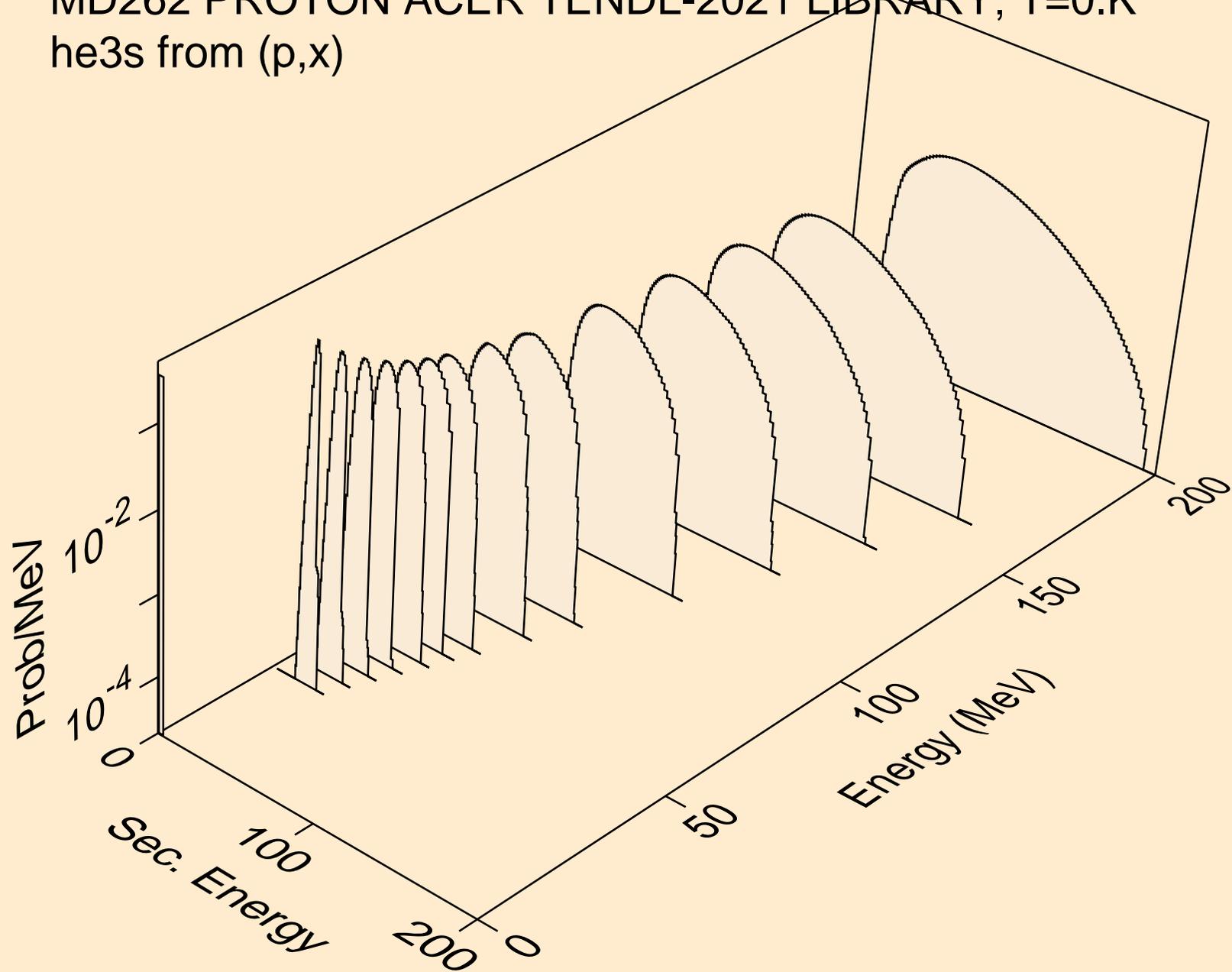MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
tritons from (p,x)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
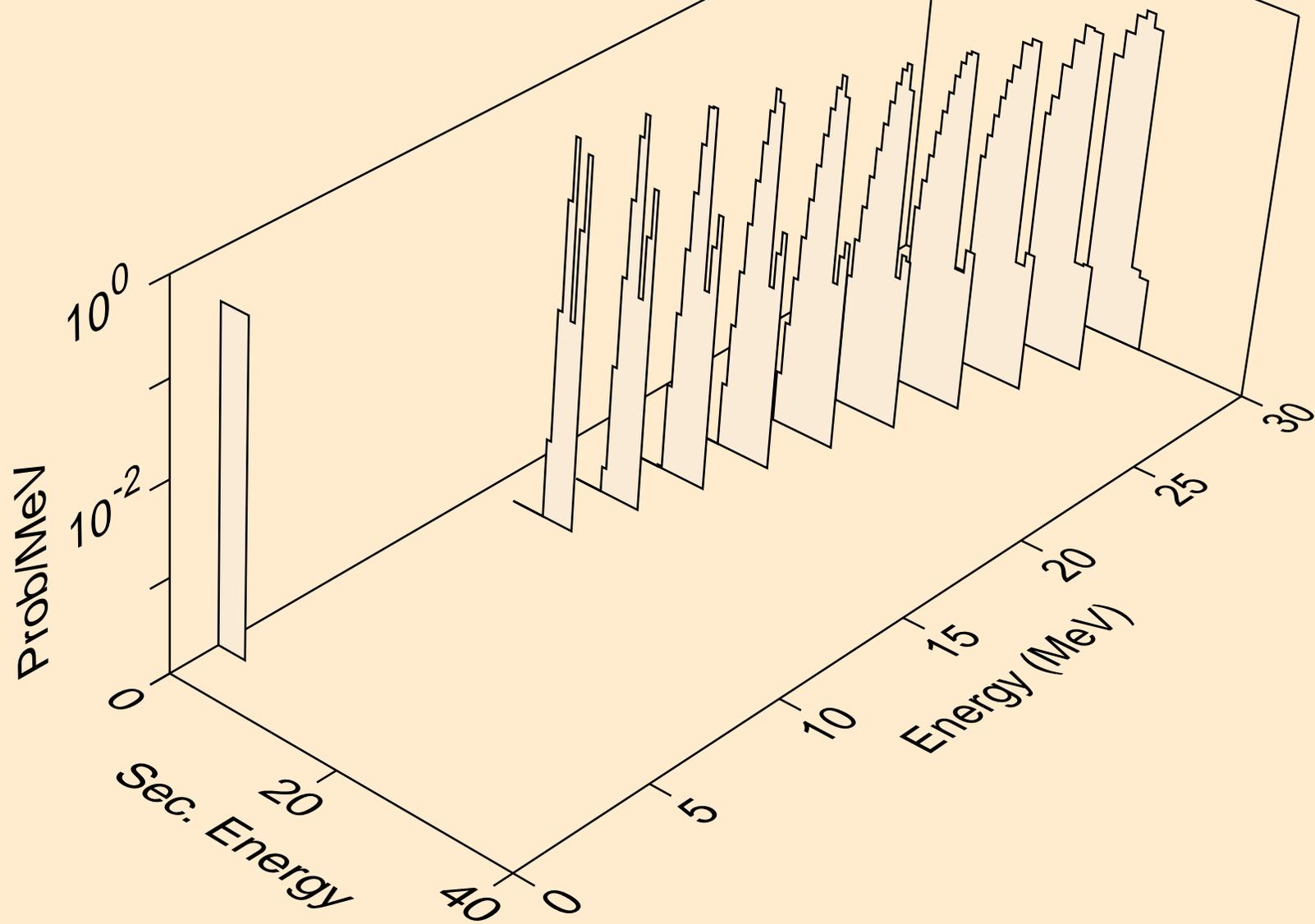tritons from (p,n*)t

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
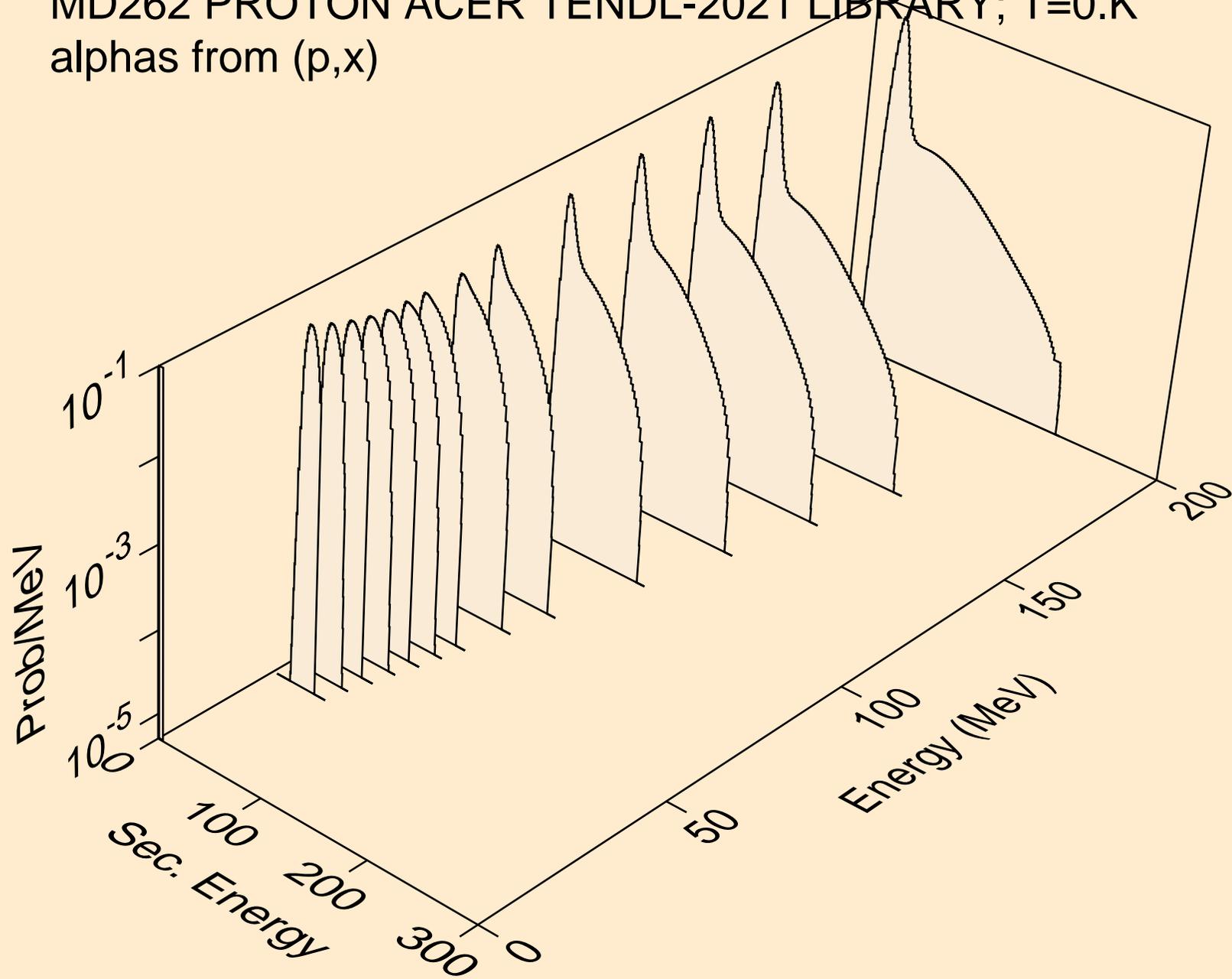tritons from (p,t)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
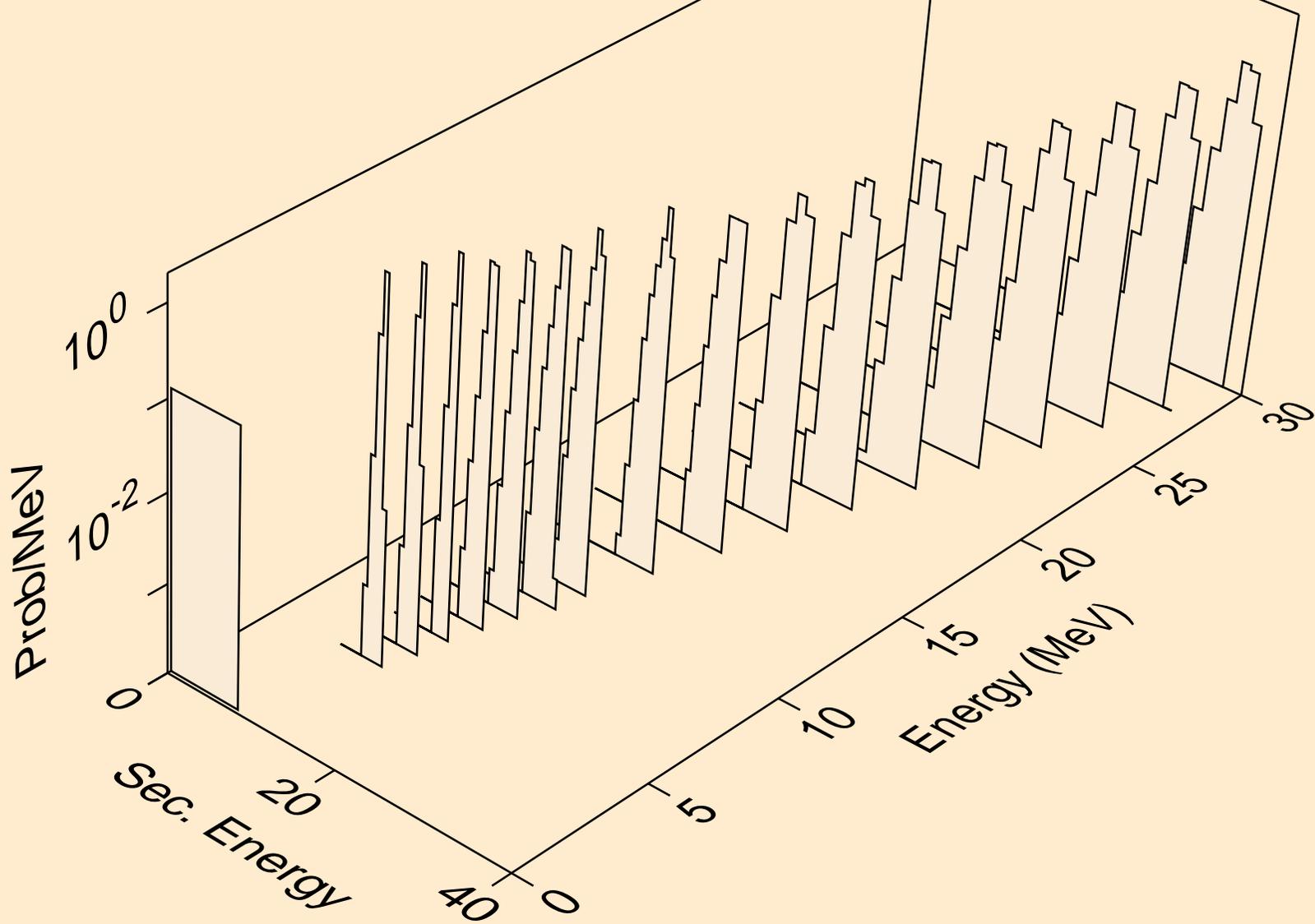he3s from (p,x)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
he3s from (p,he3)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,x)

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,n*)a

MD262 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,a)