RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
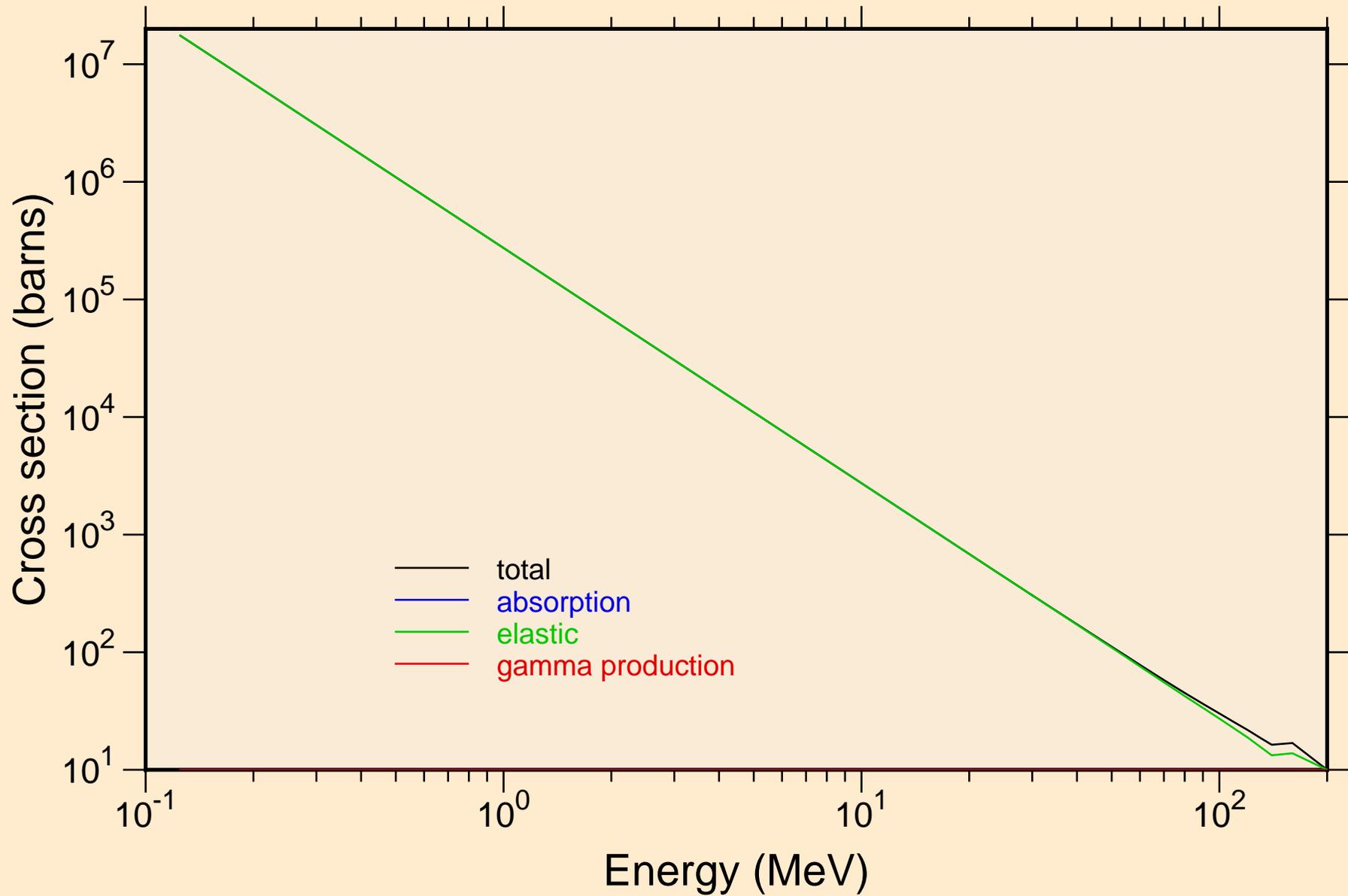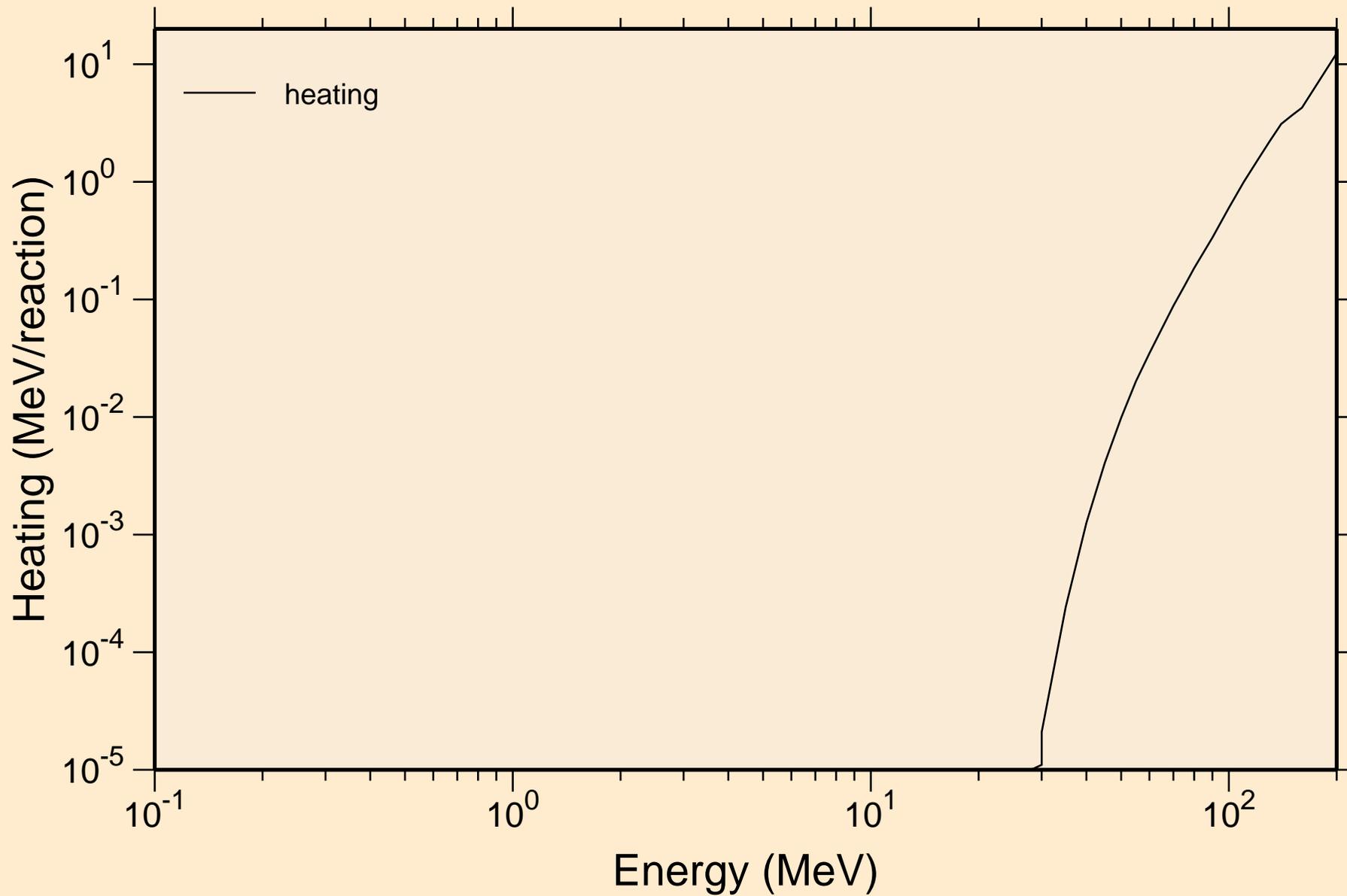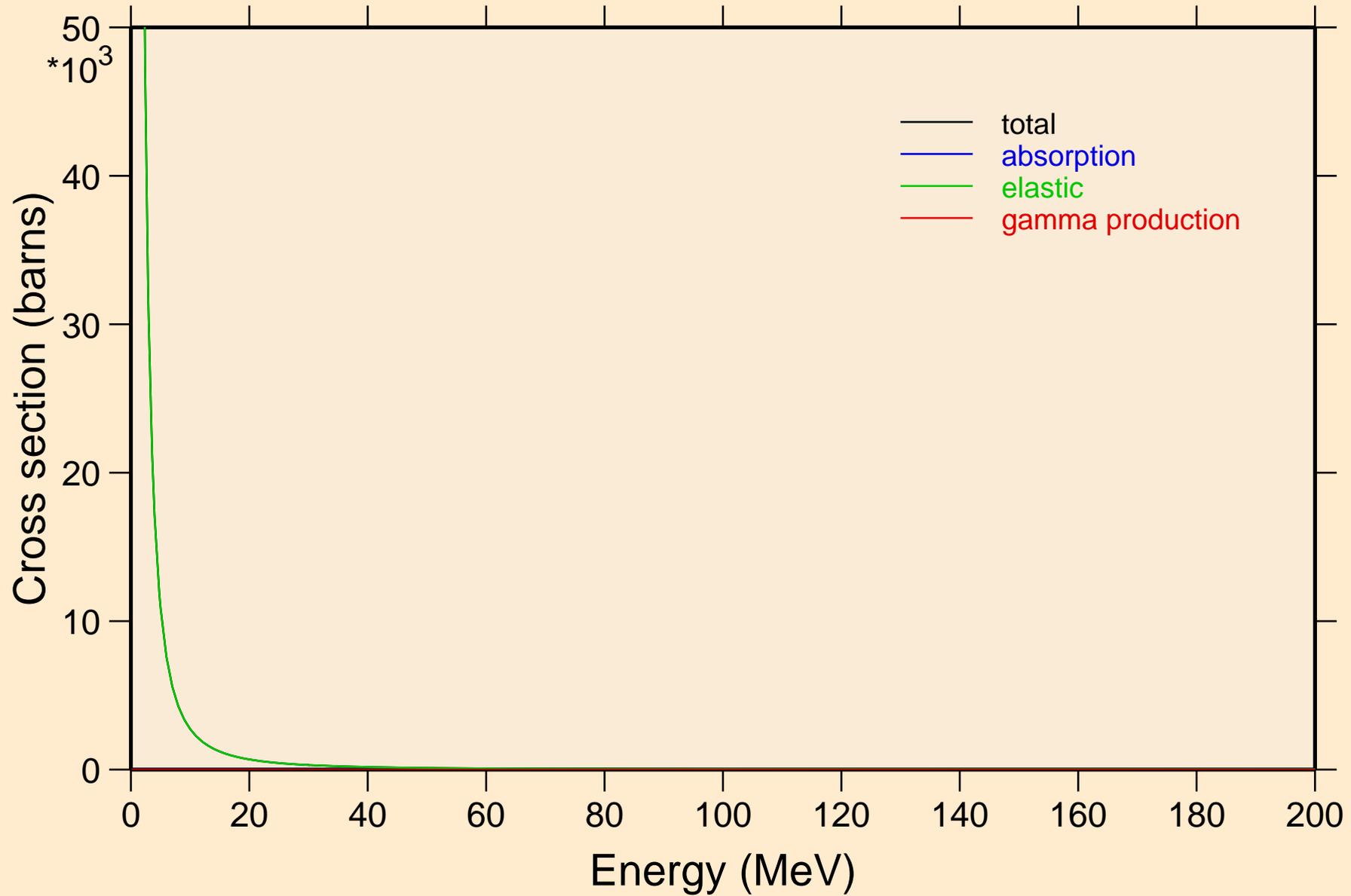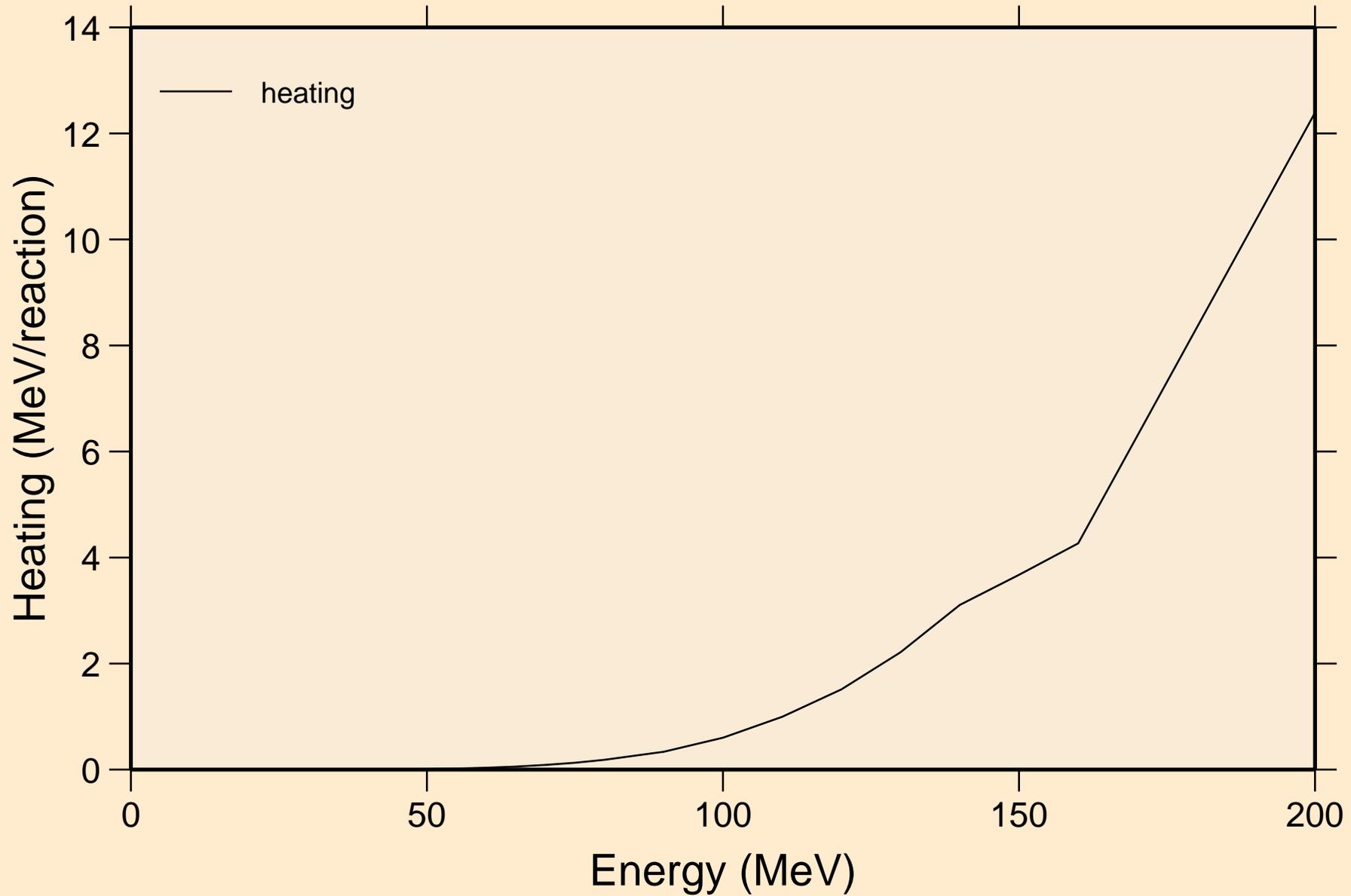Heating

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
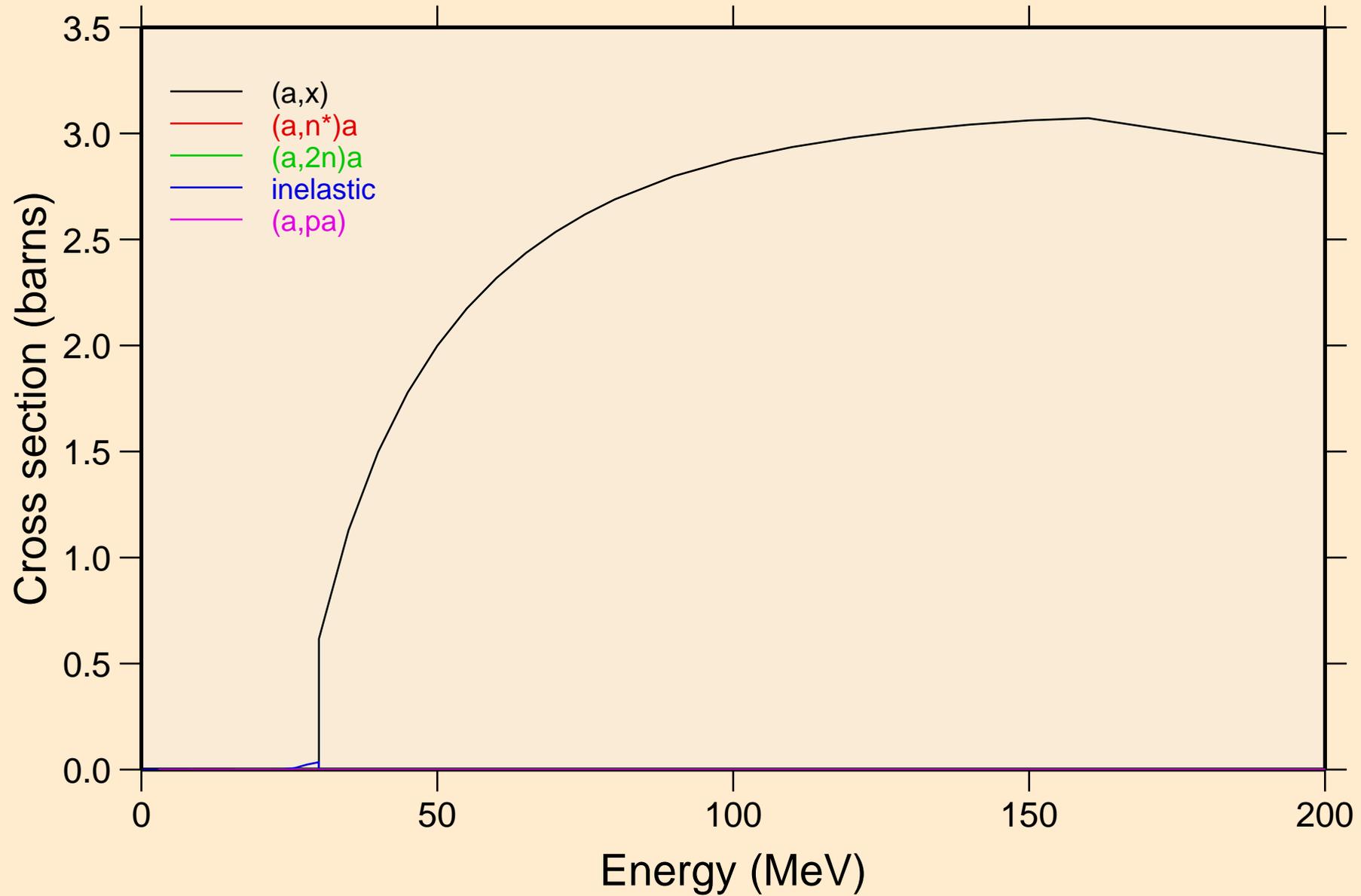Principal cross sections
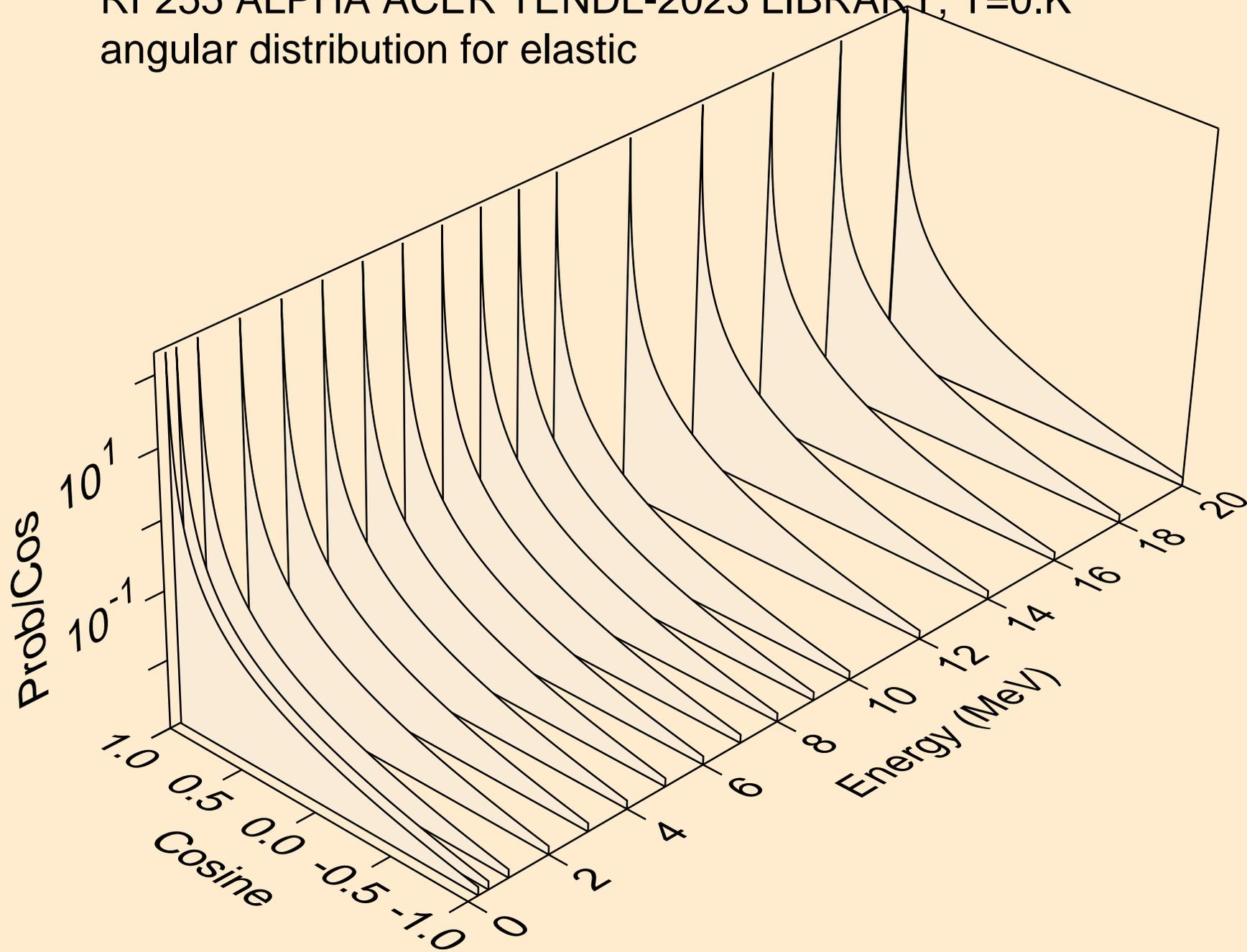
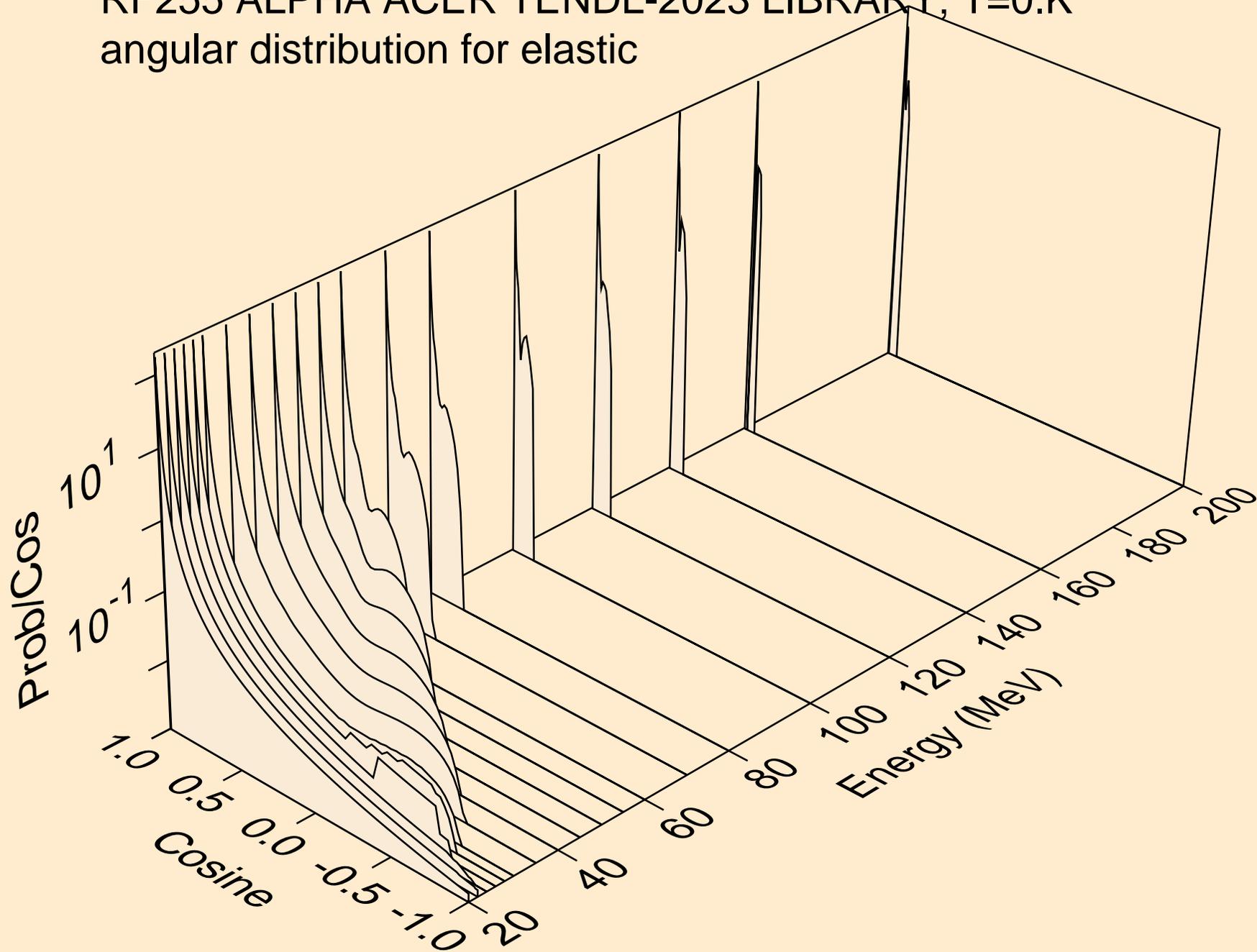RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Heating

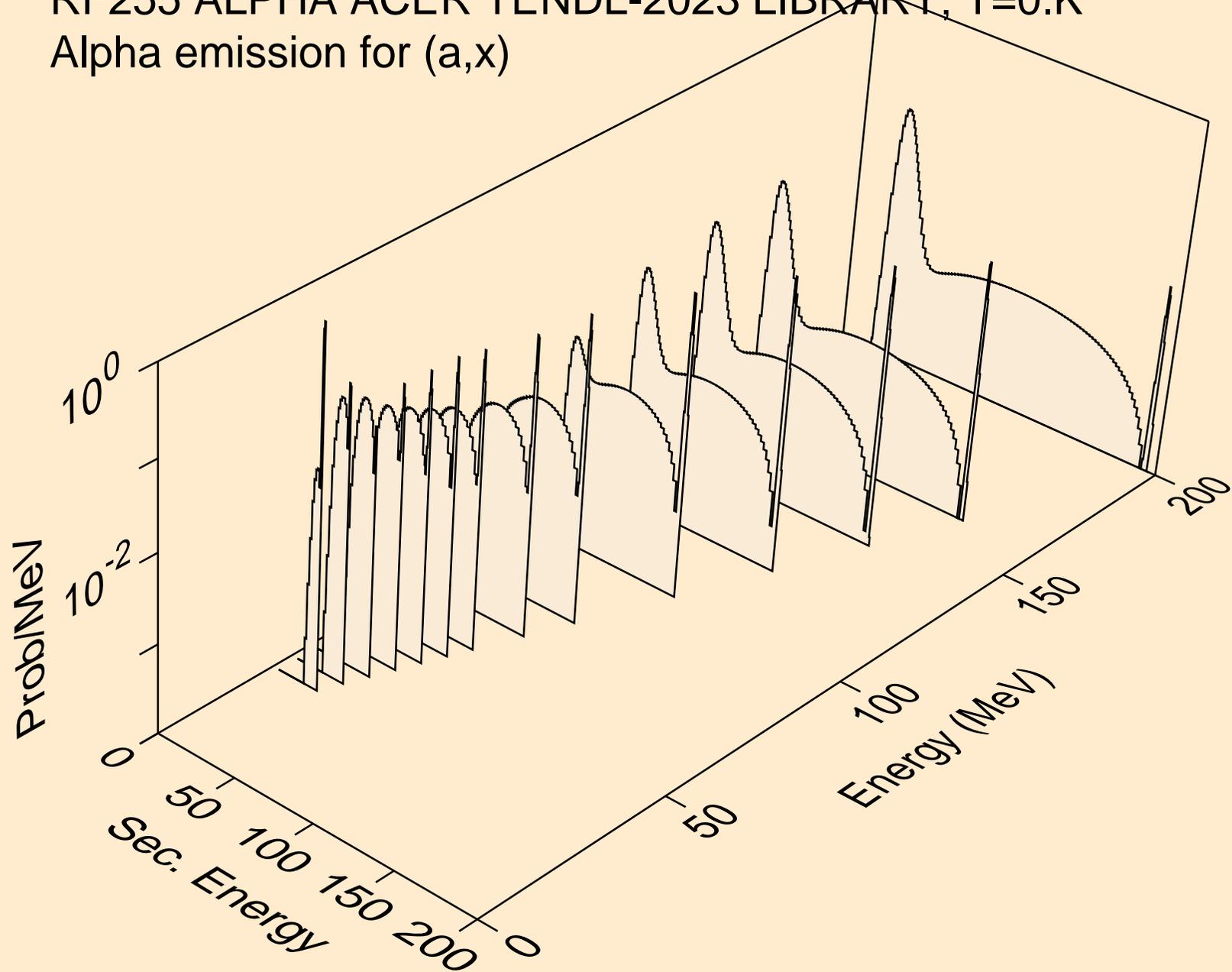RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
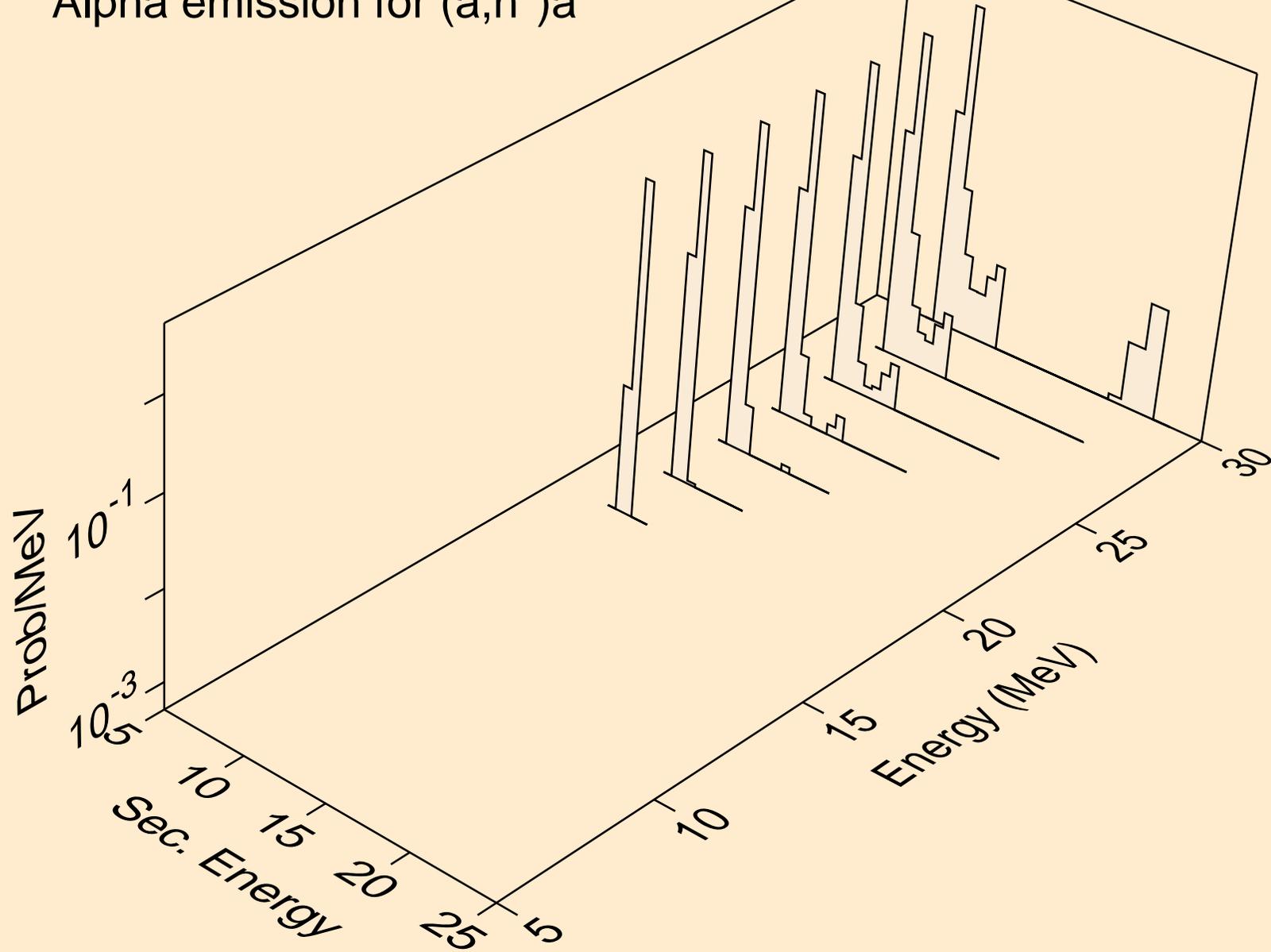angular distribution for elastic

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
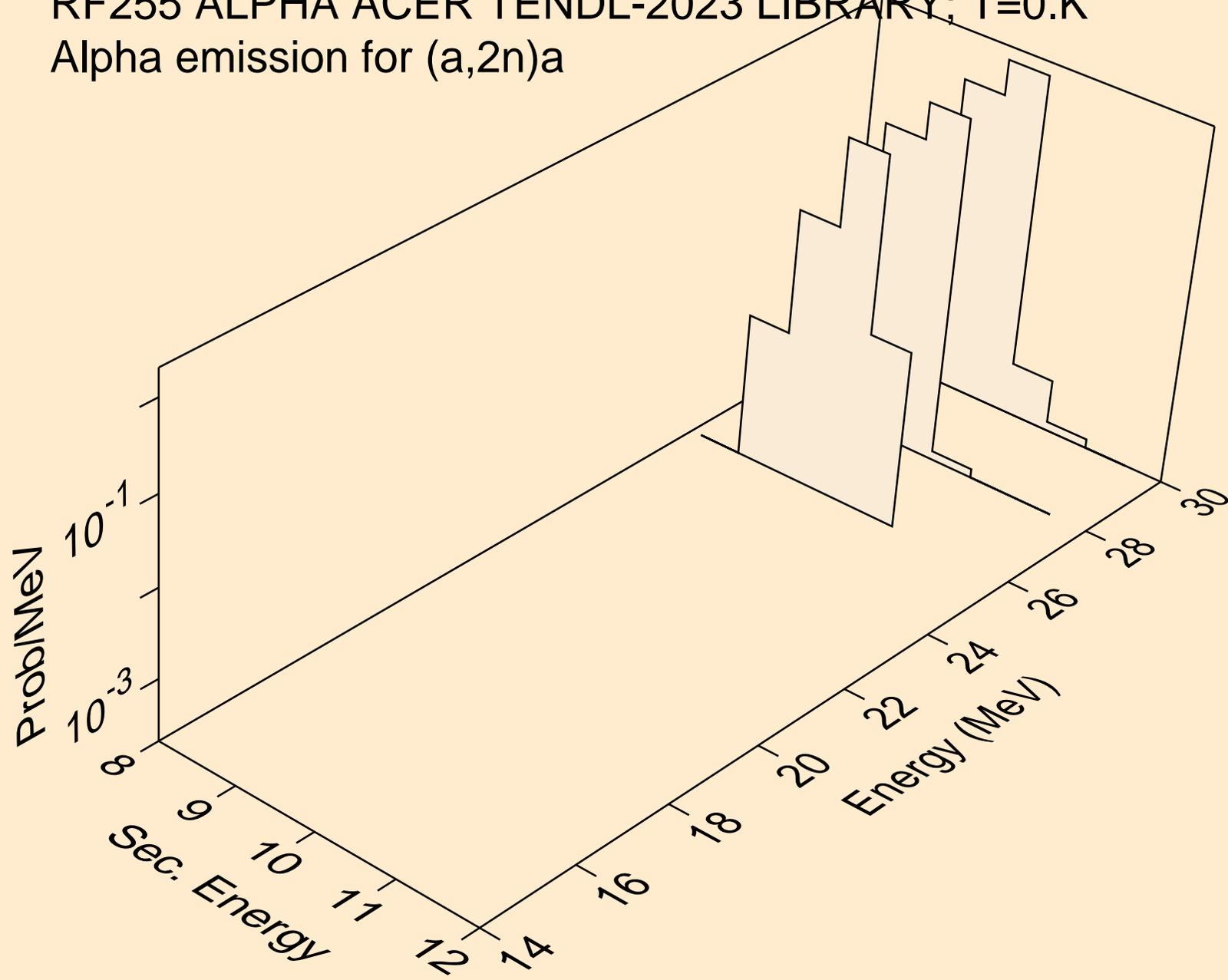Alpha emission for (a,x)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
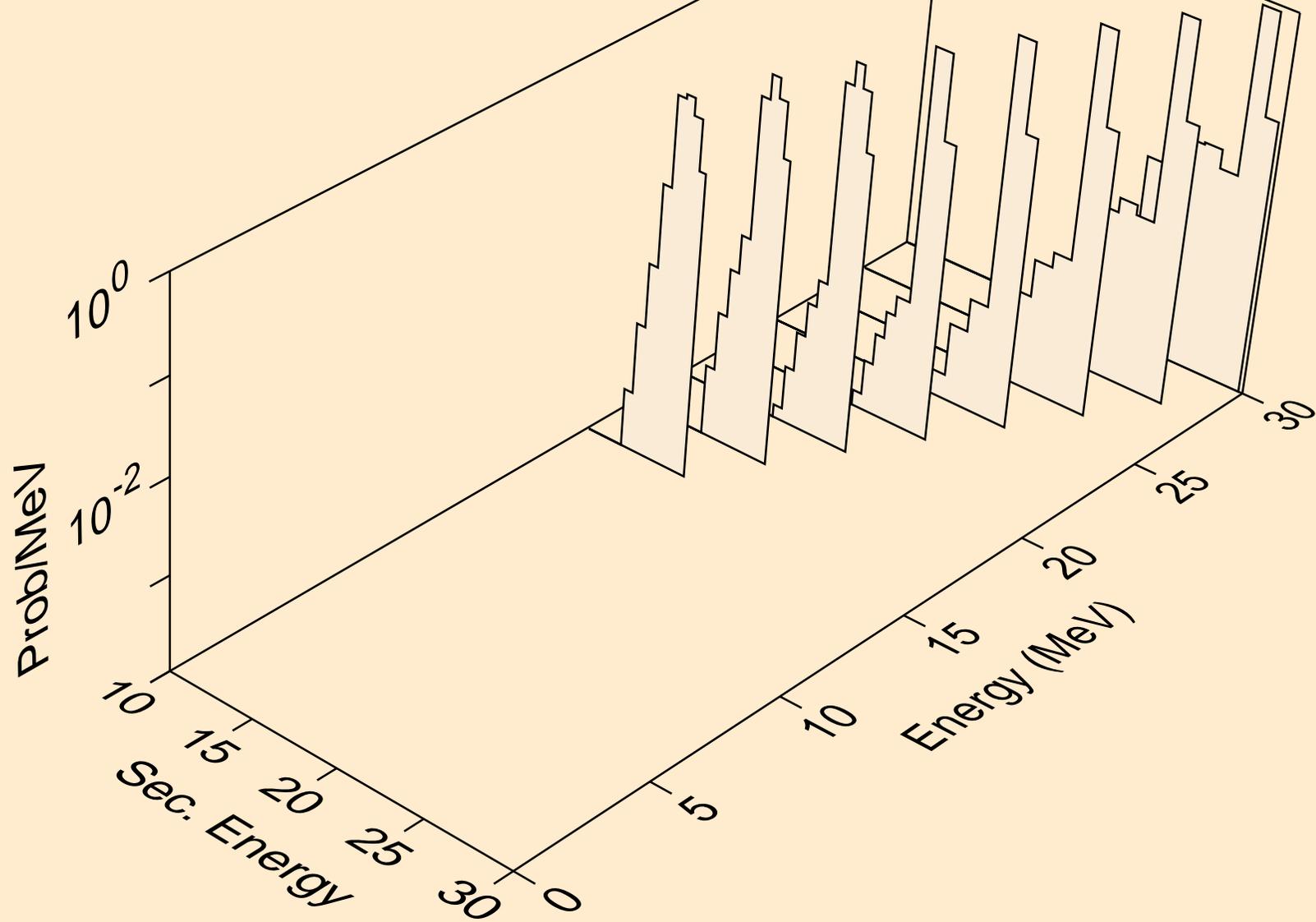Alpha emission for (a,n*)a

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
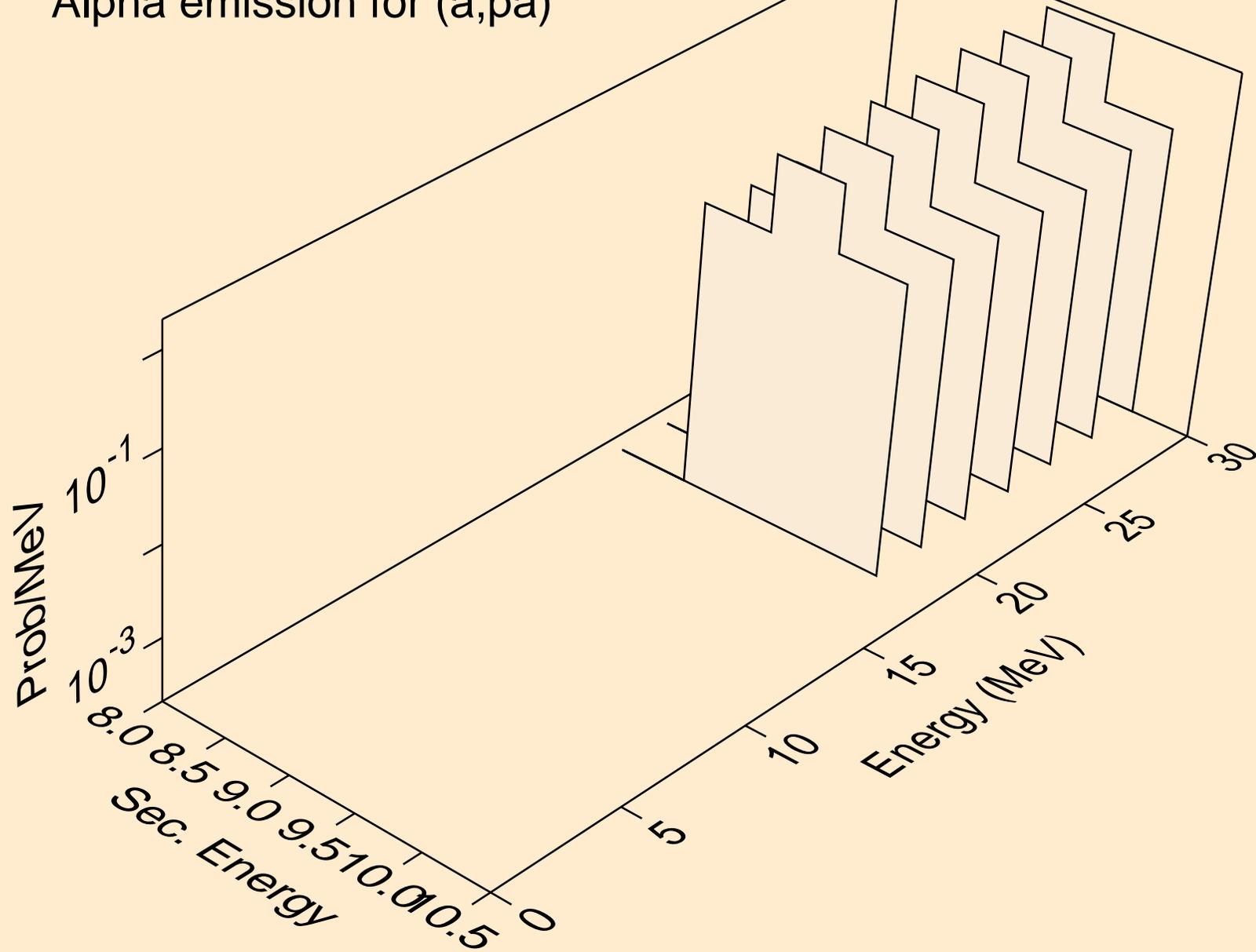Alpha emission for (a,2n)a

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
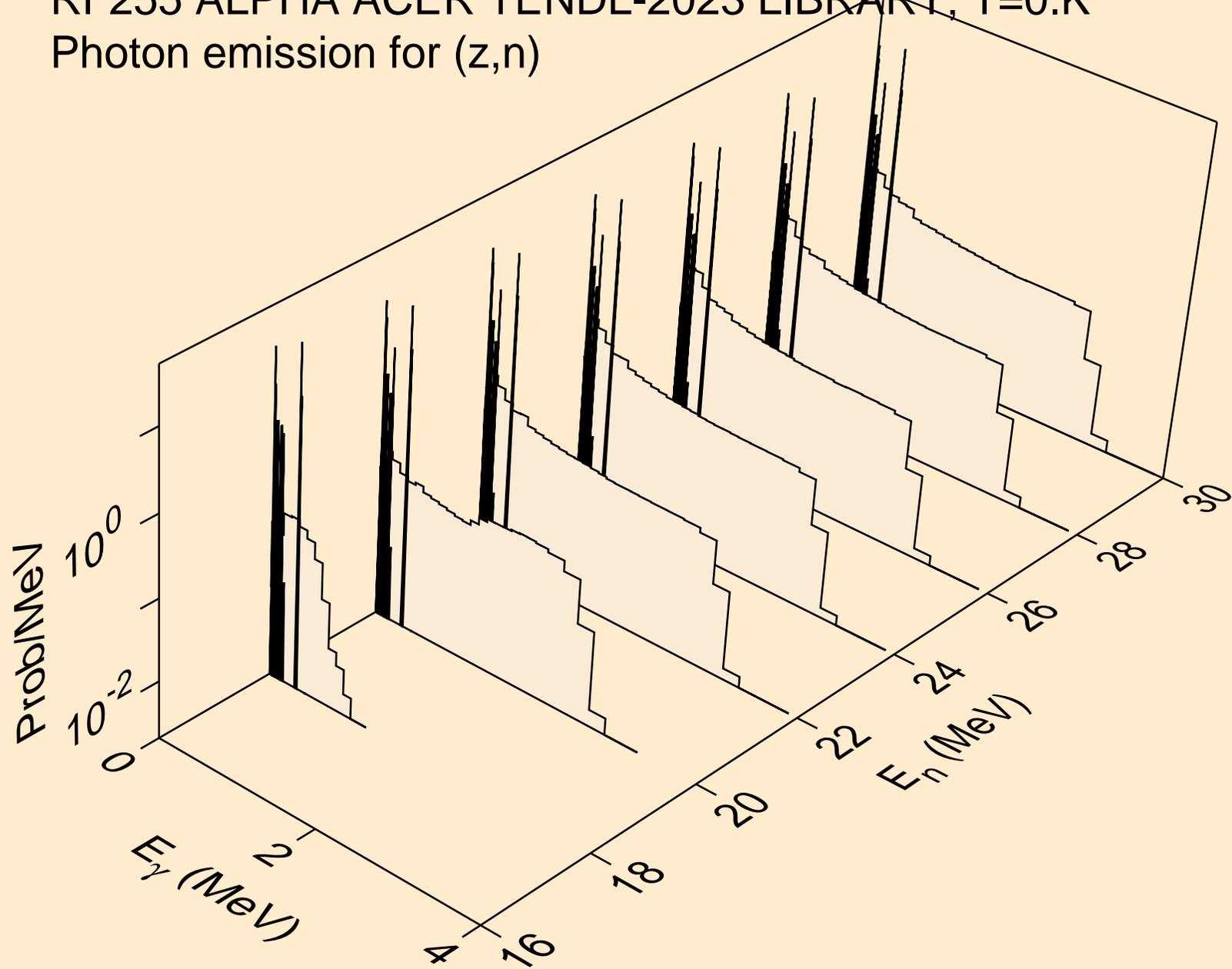Alpha emission for inelastic

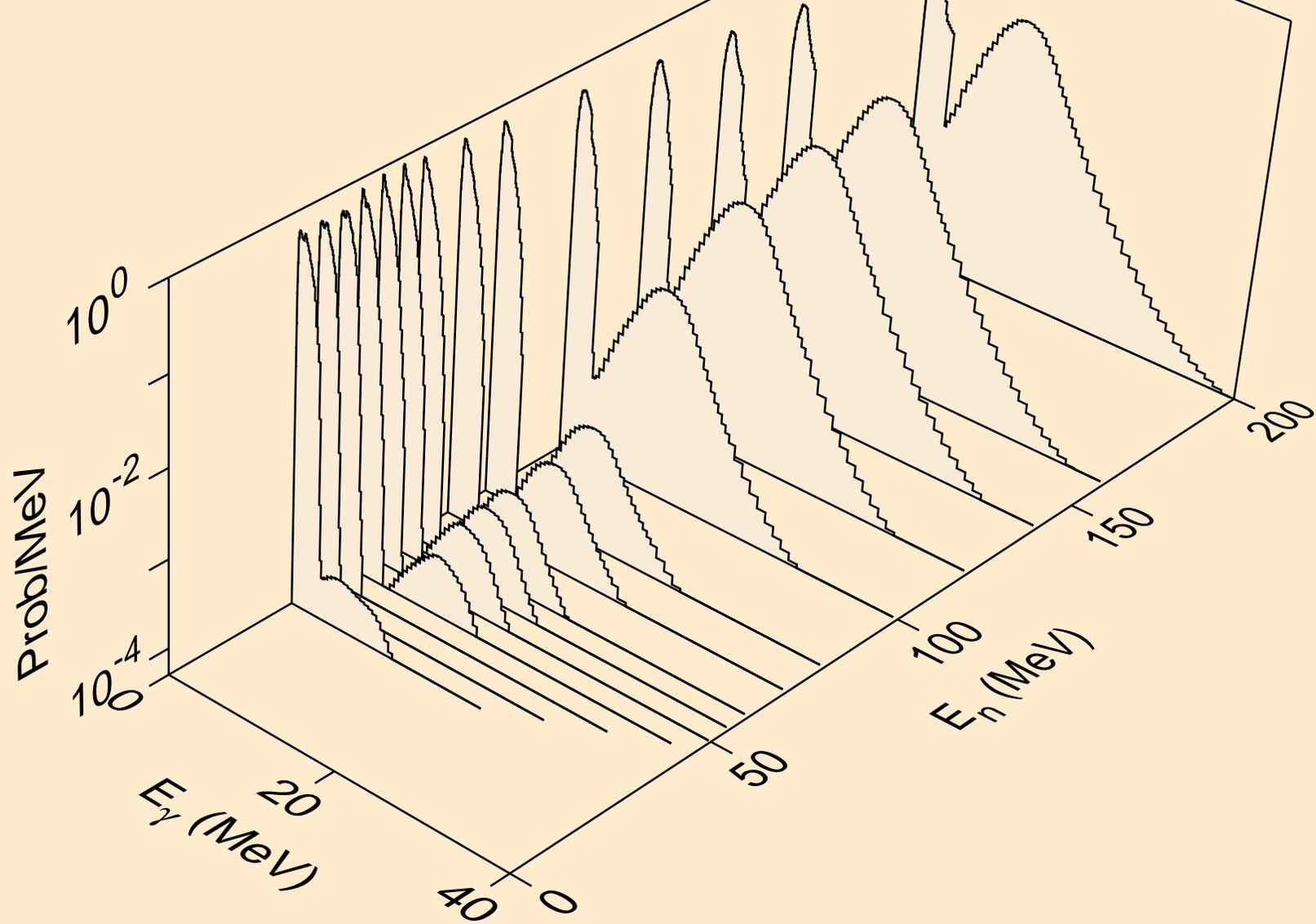RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
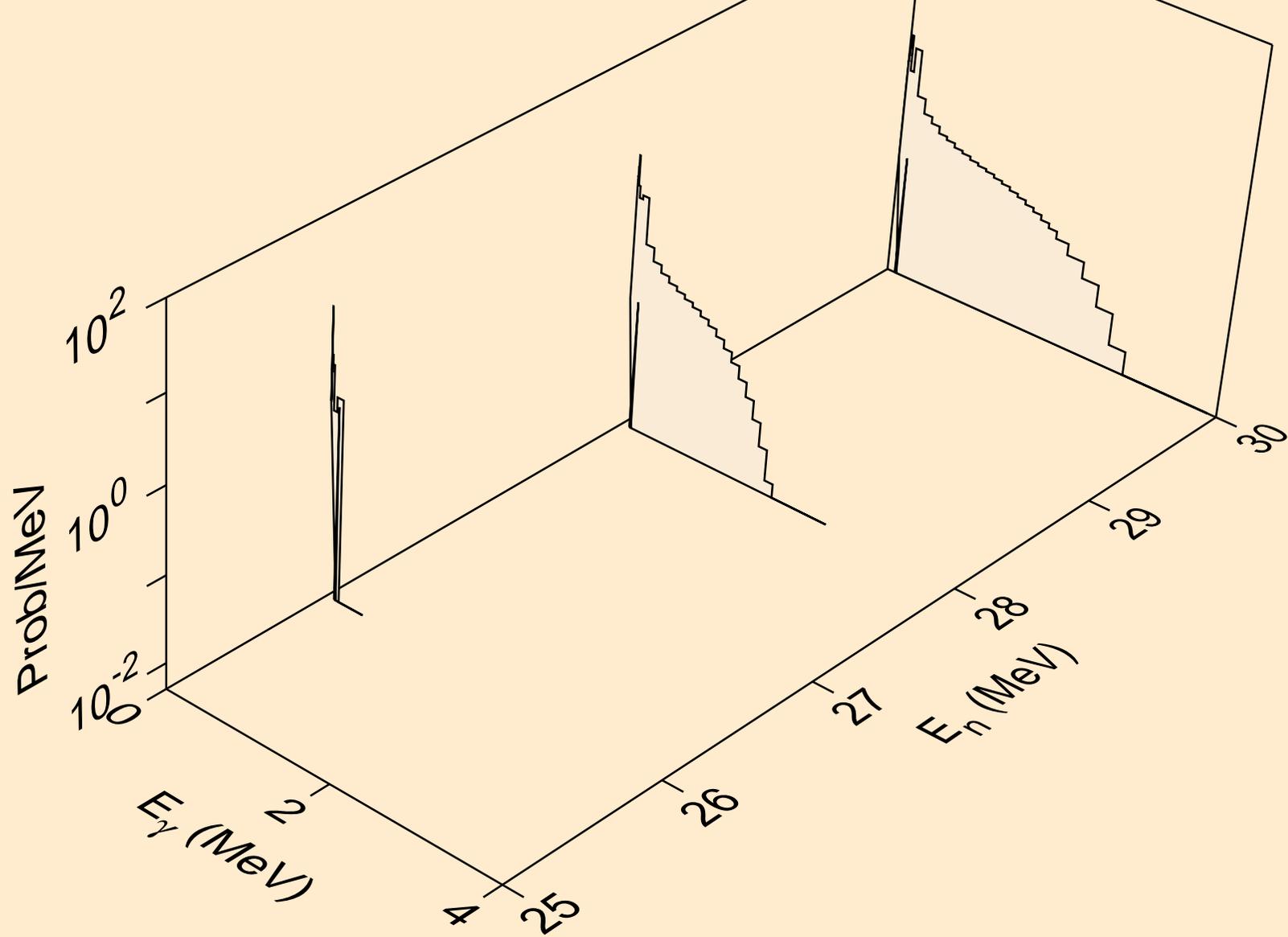Alpha emission for (a,pa)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
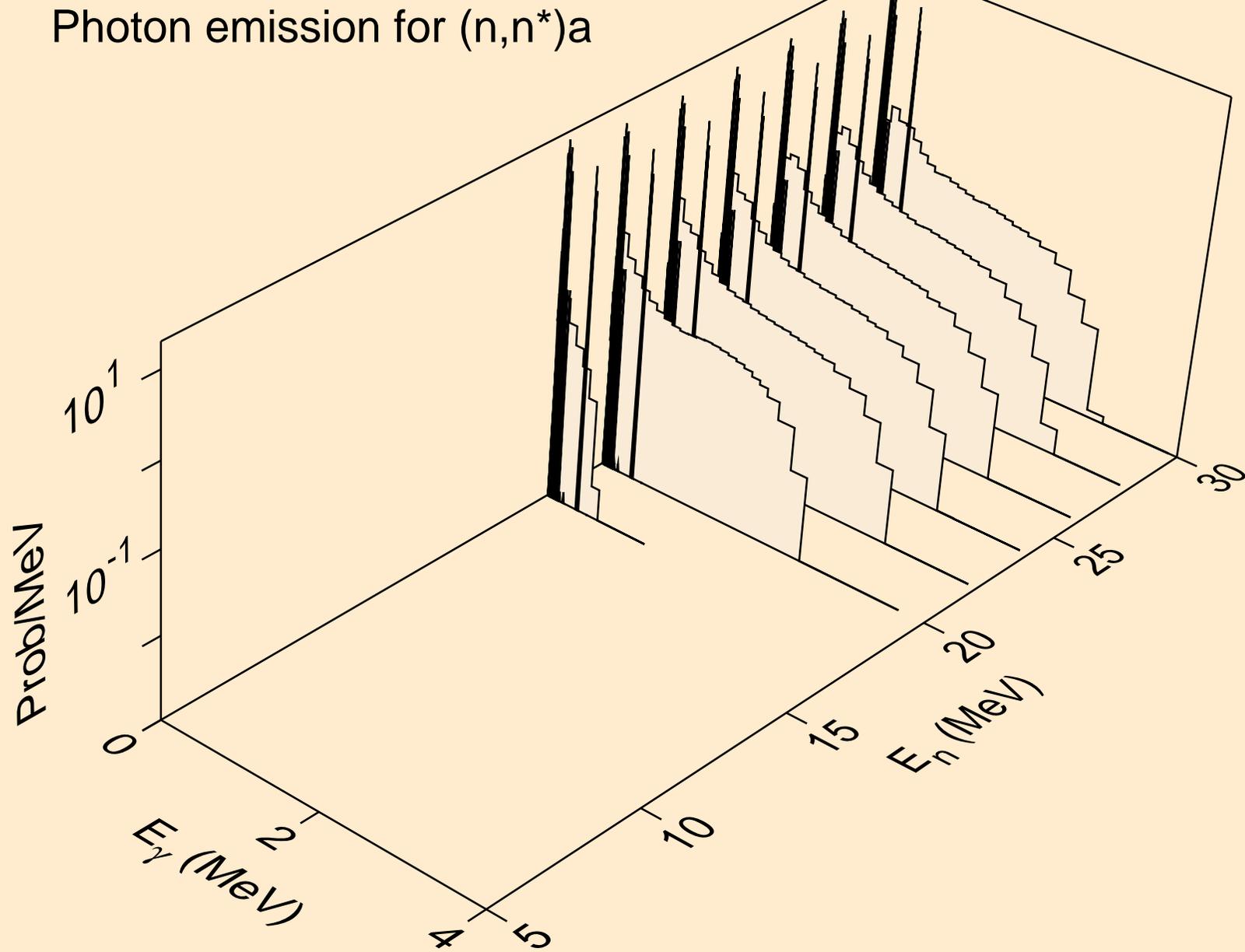Photon emission for (z,n)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a

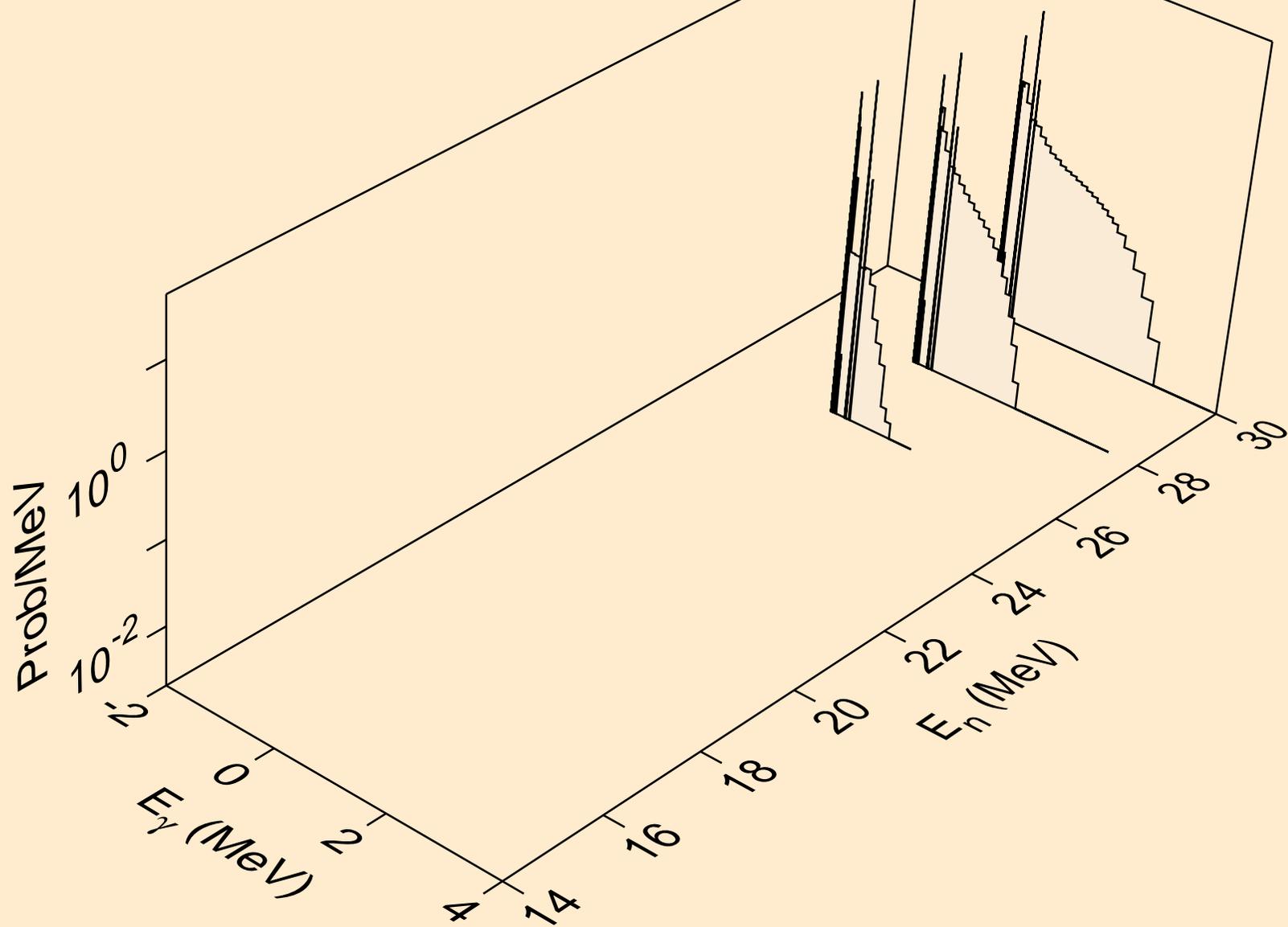RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)a

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,gma)

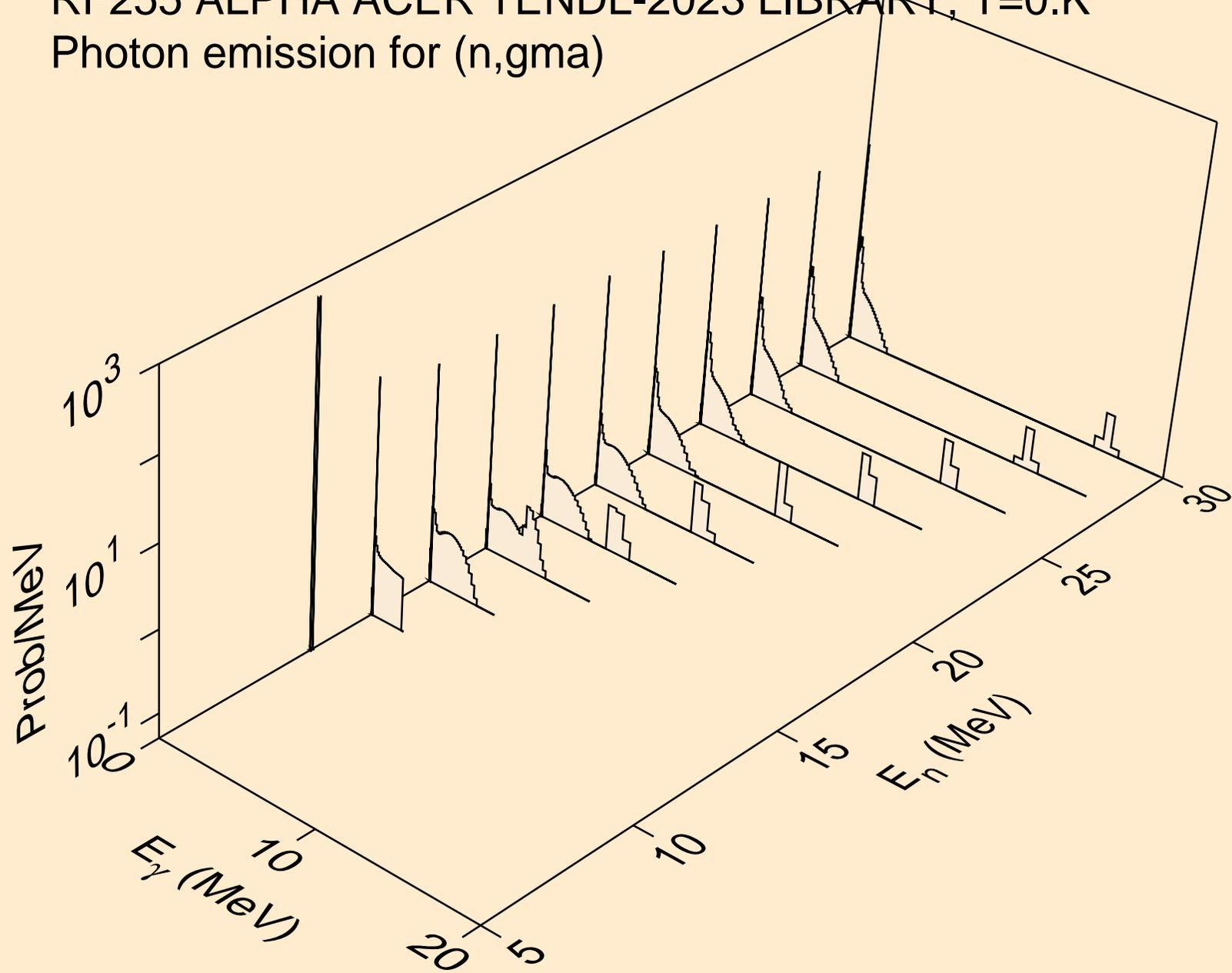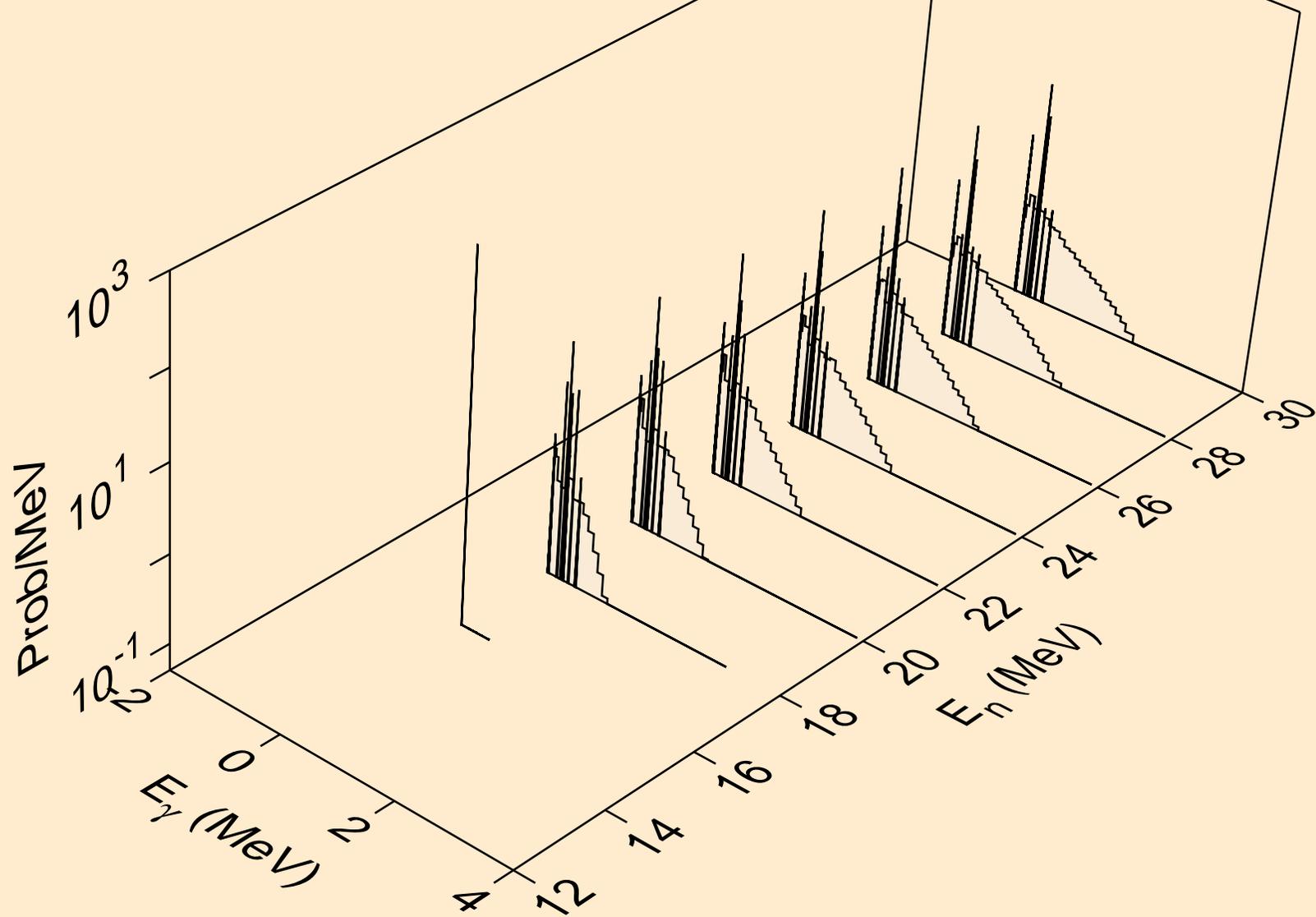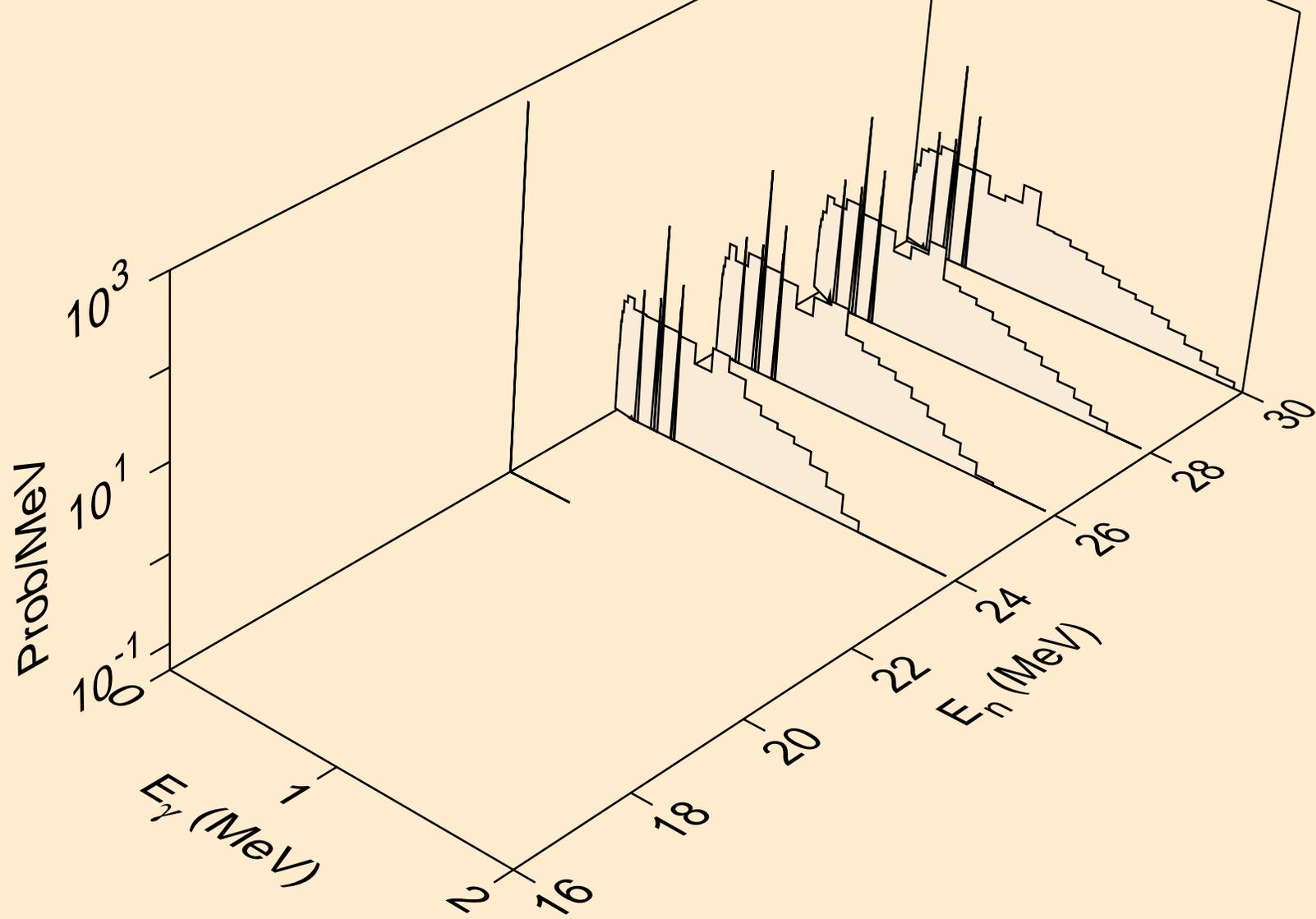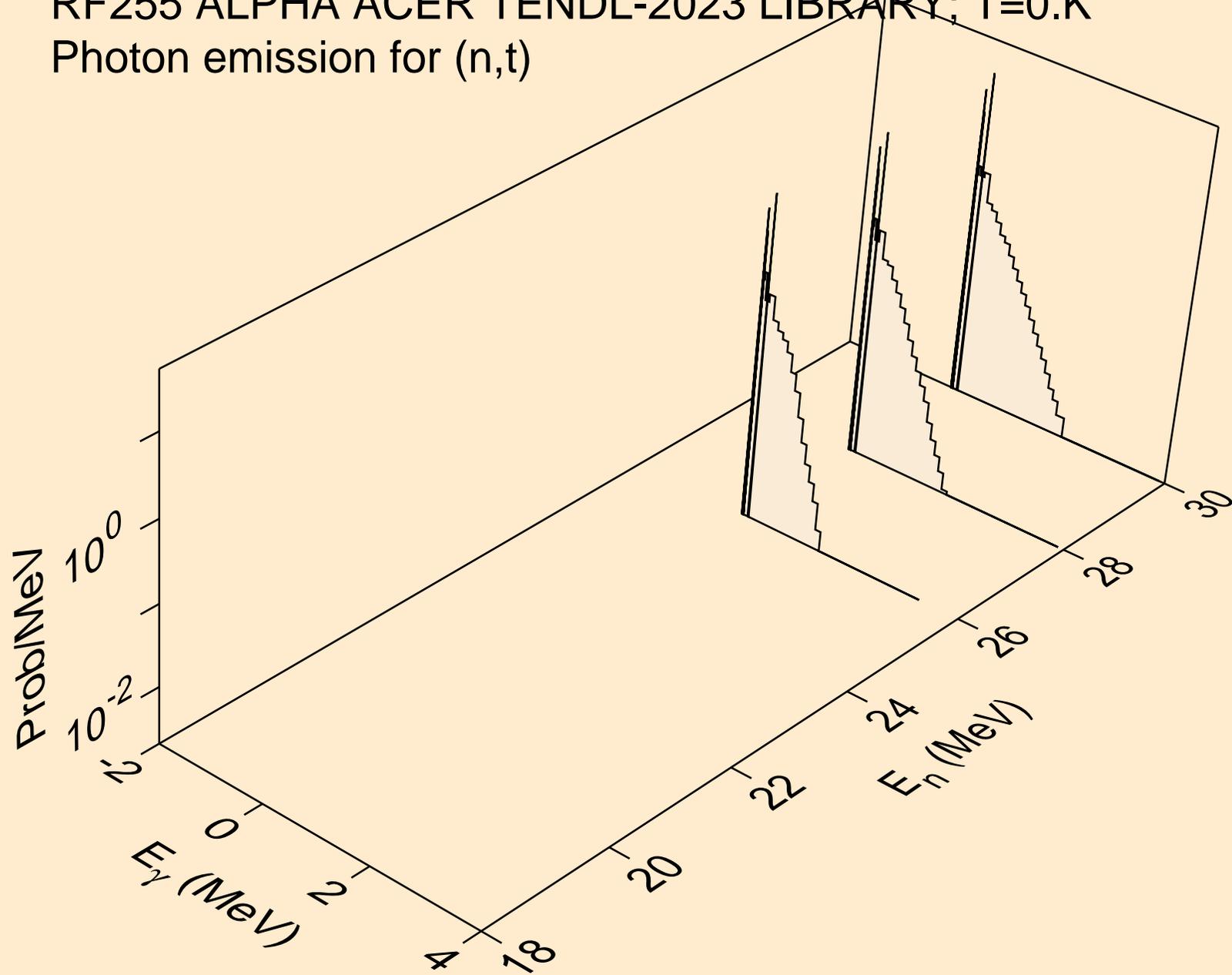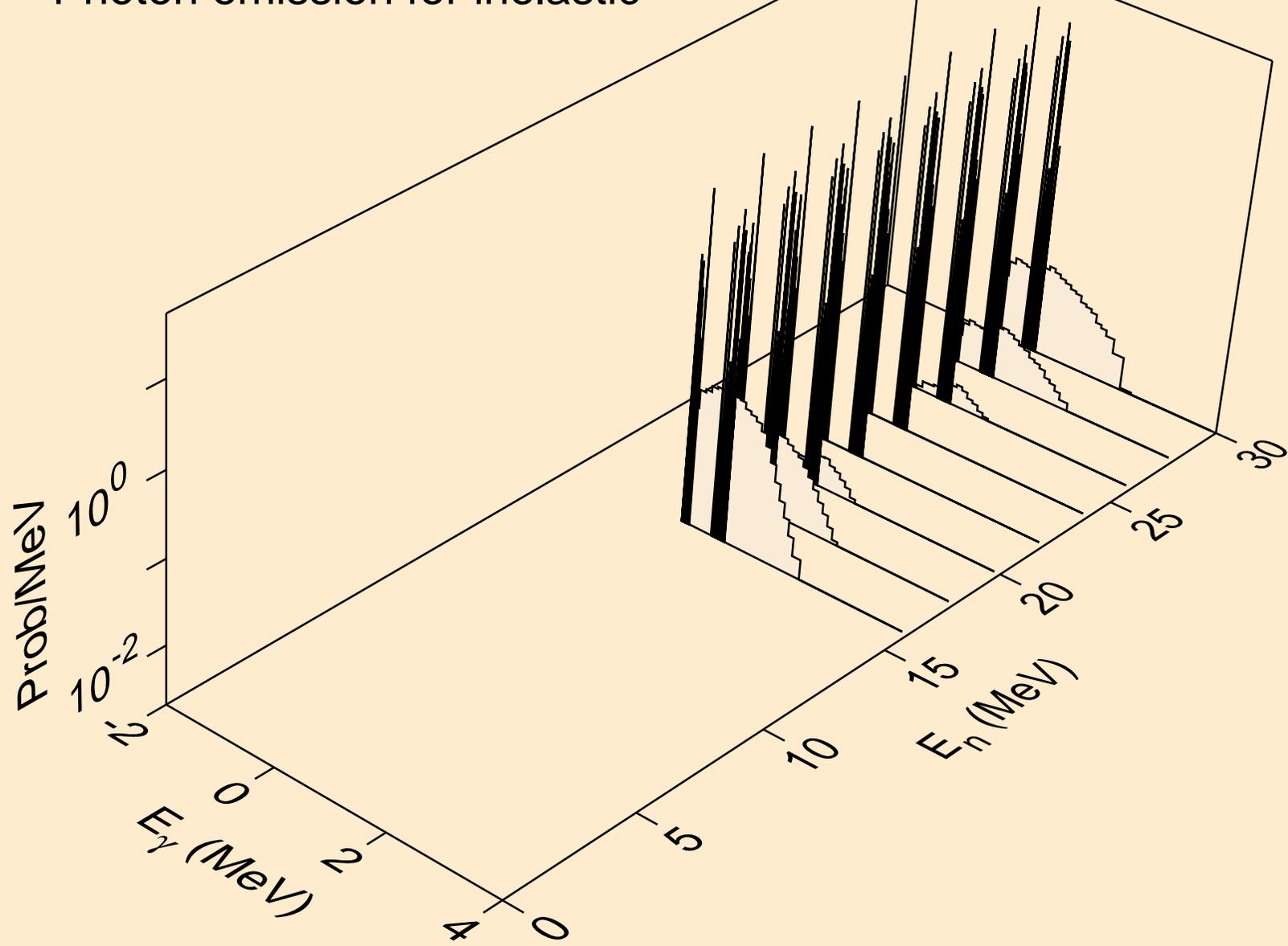RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,p)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
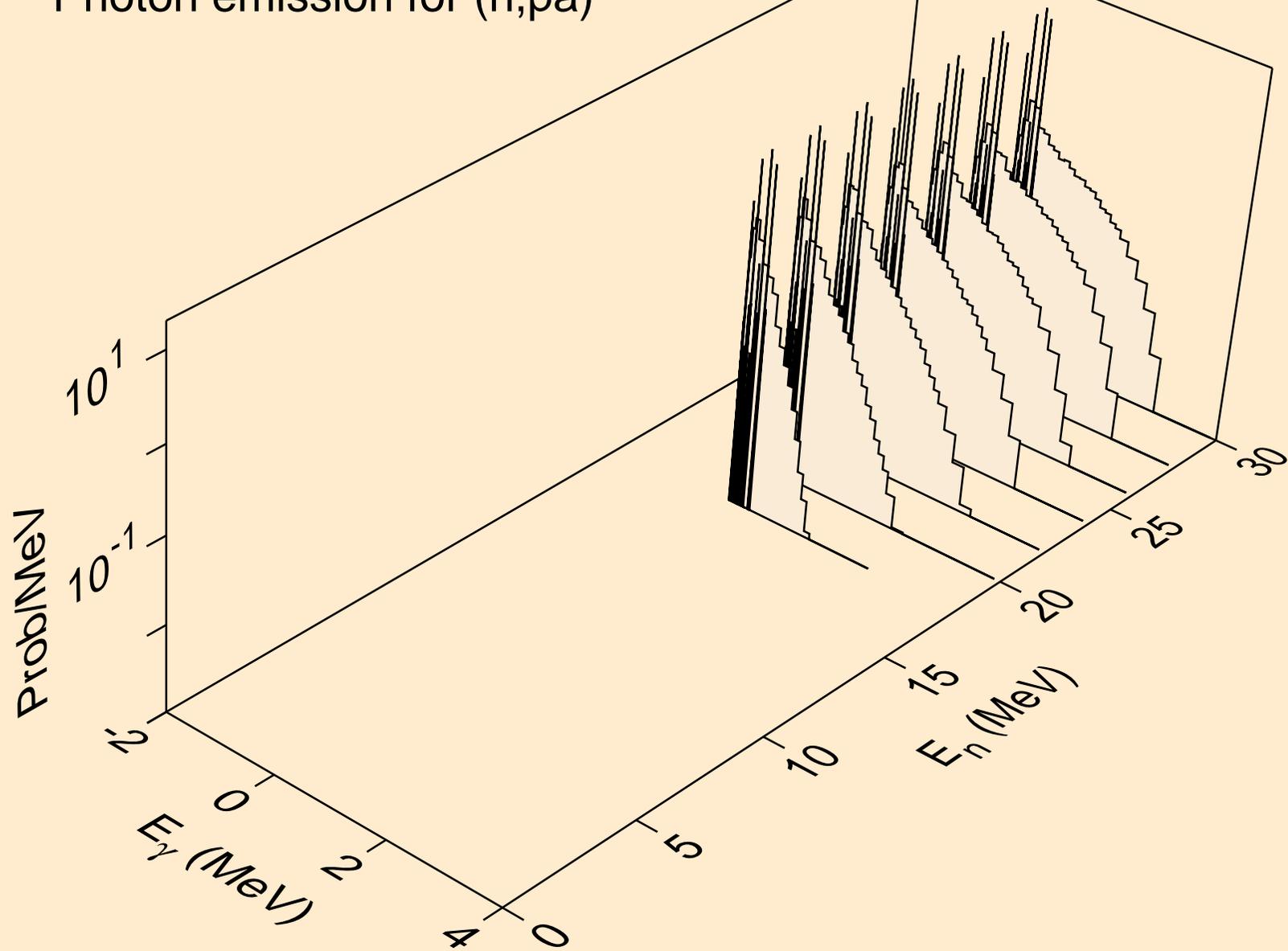Photon emission for (n,d)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
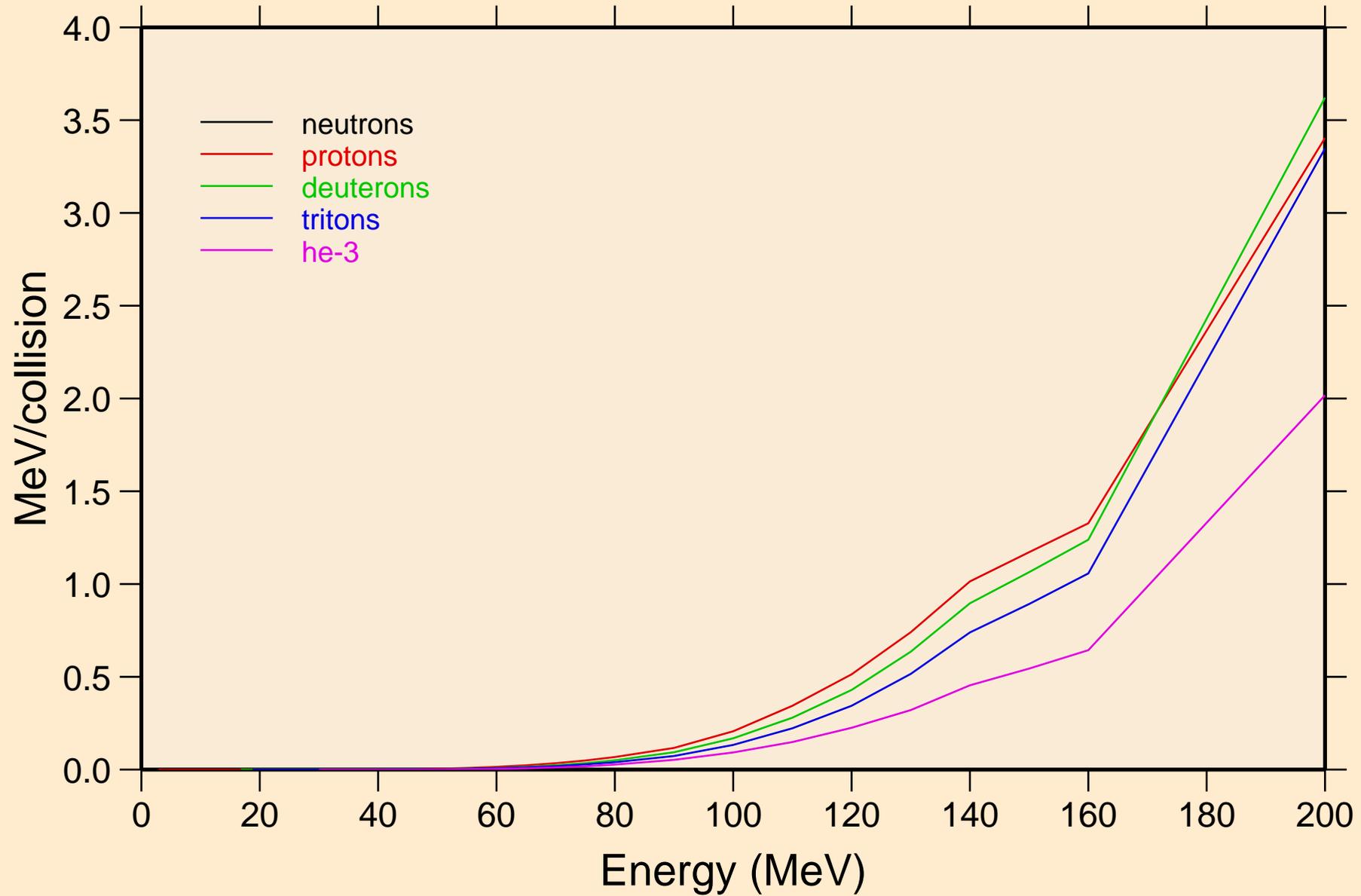Photon emission for (n,t)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
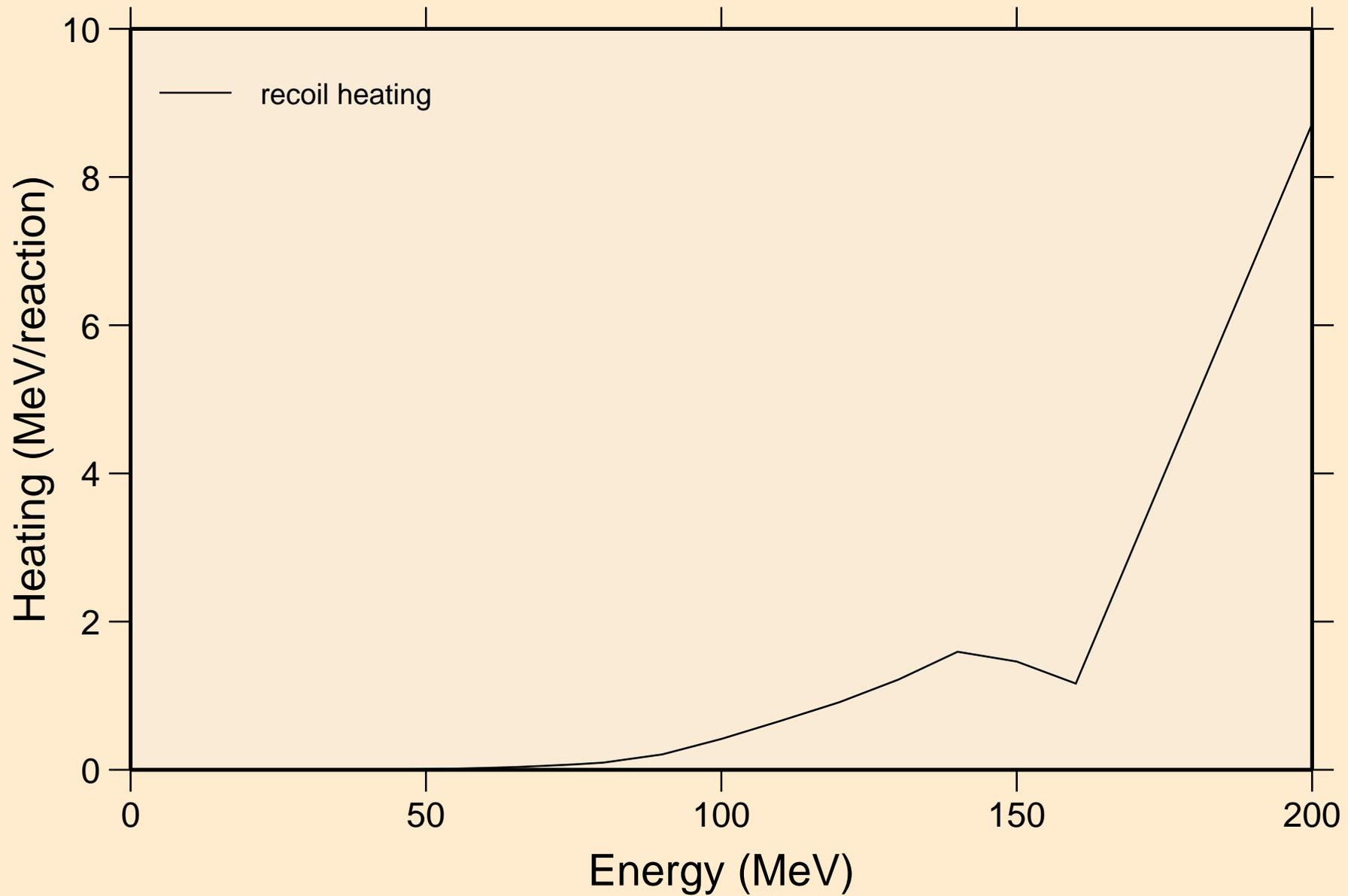Photon emission for inelastic

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,pa)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
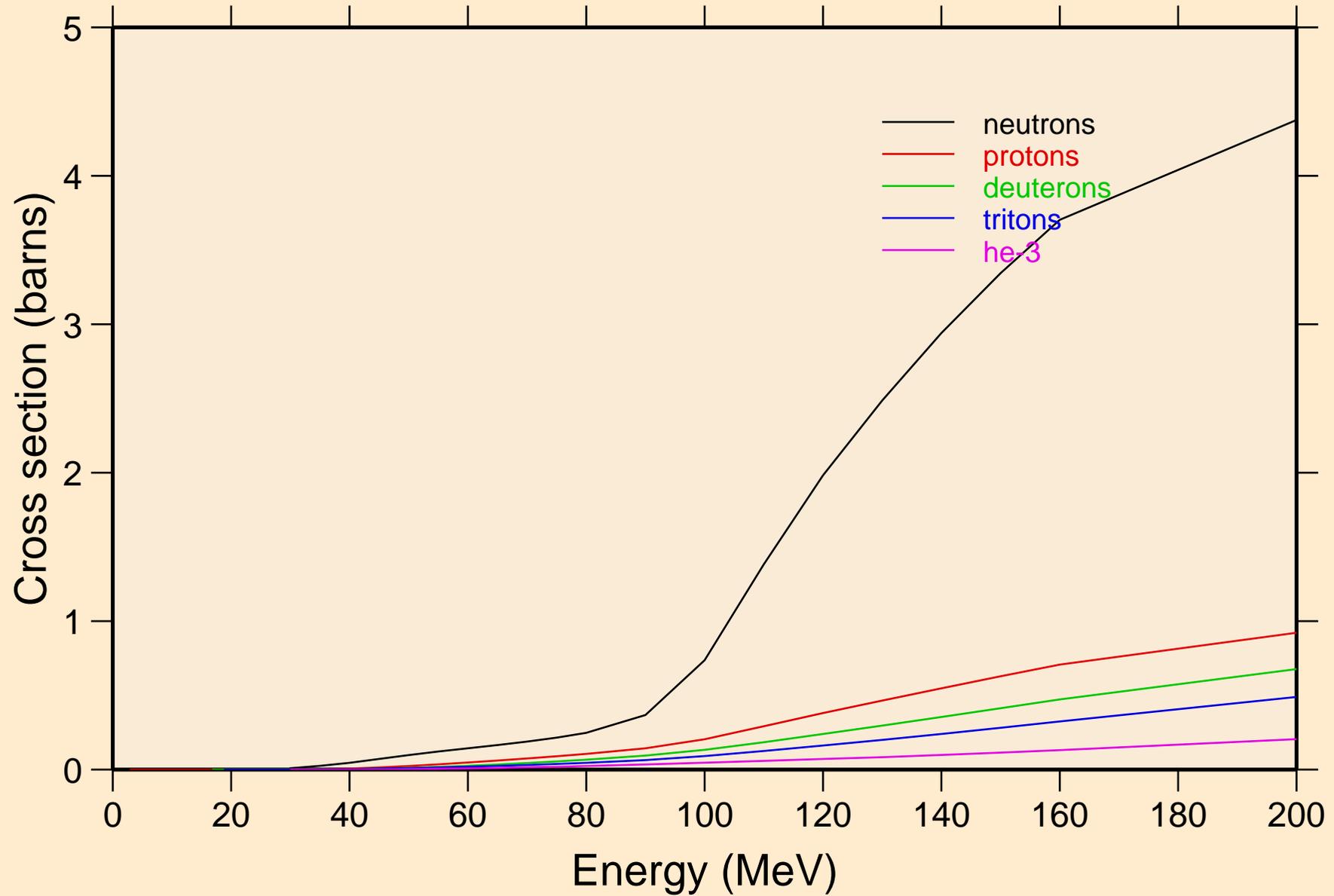Particle heating contributions

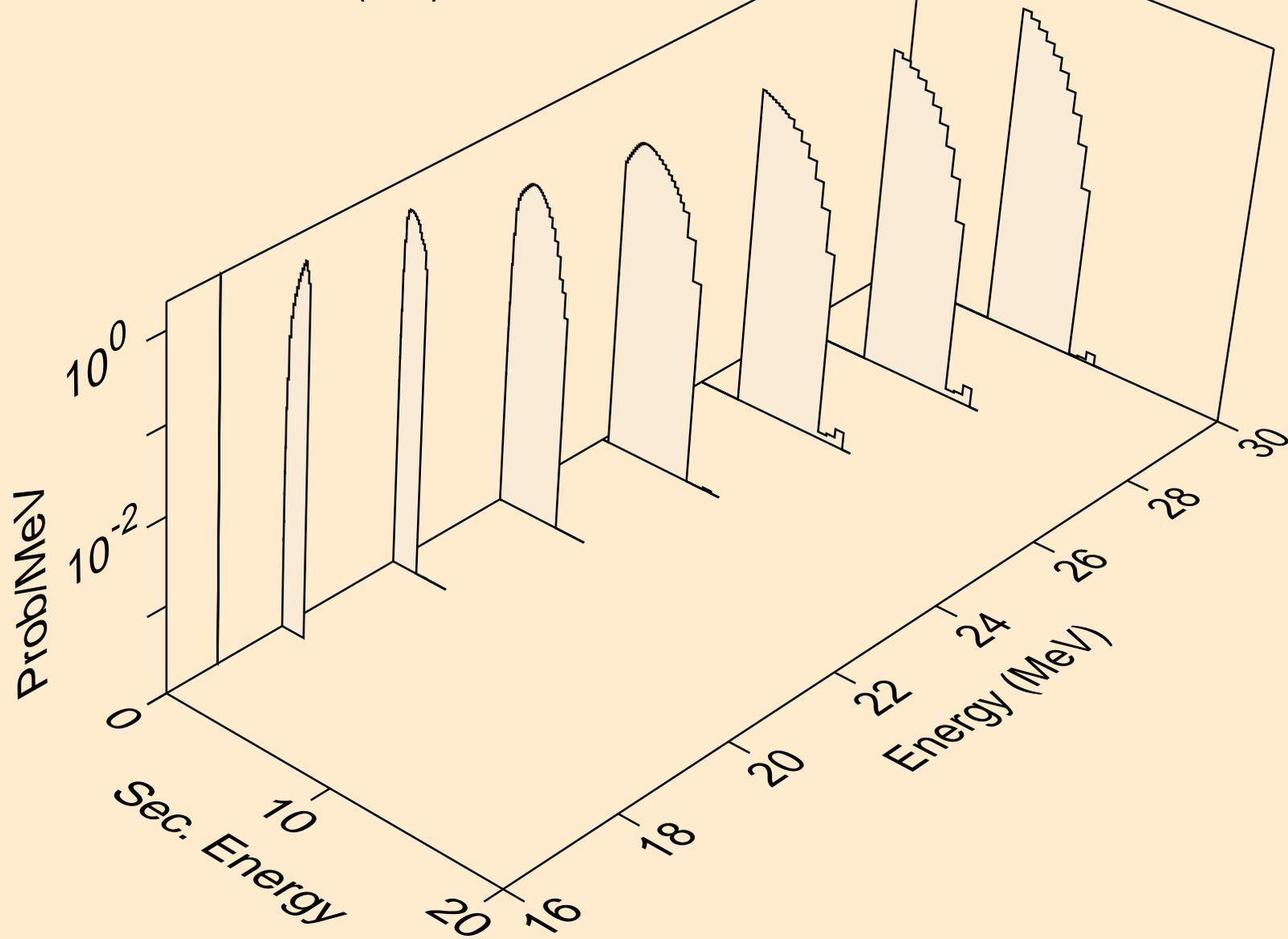RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

recoil heating

Heating (MeV/reaction)

Energy (MeV)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Particle production cross sections

neutrons
protons
deuterons
tritons
he-3

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
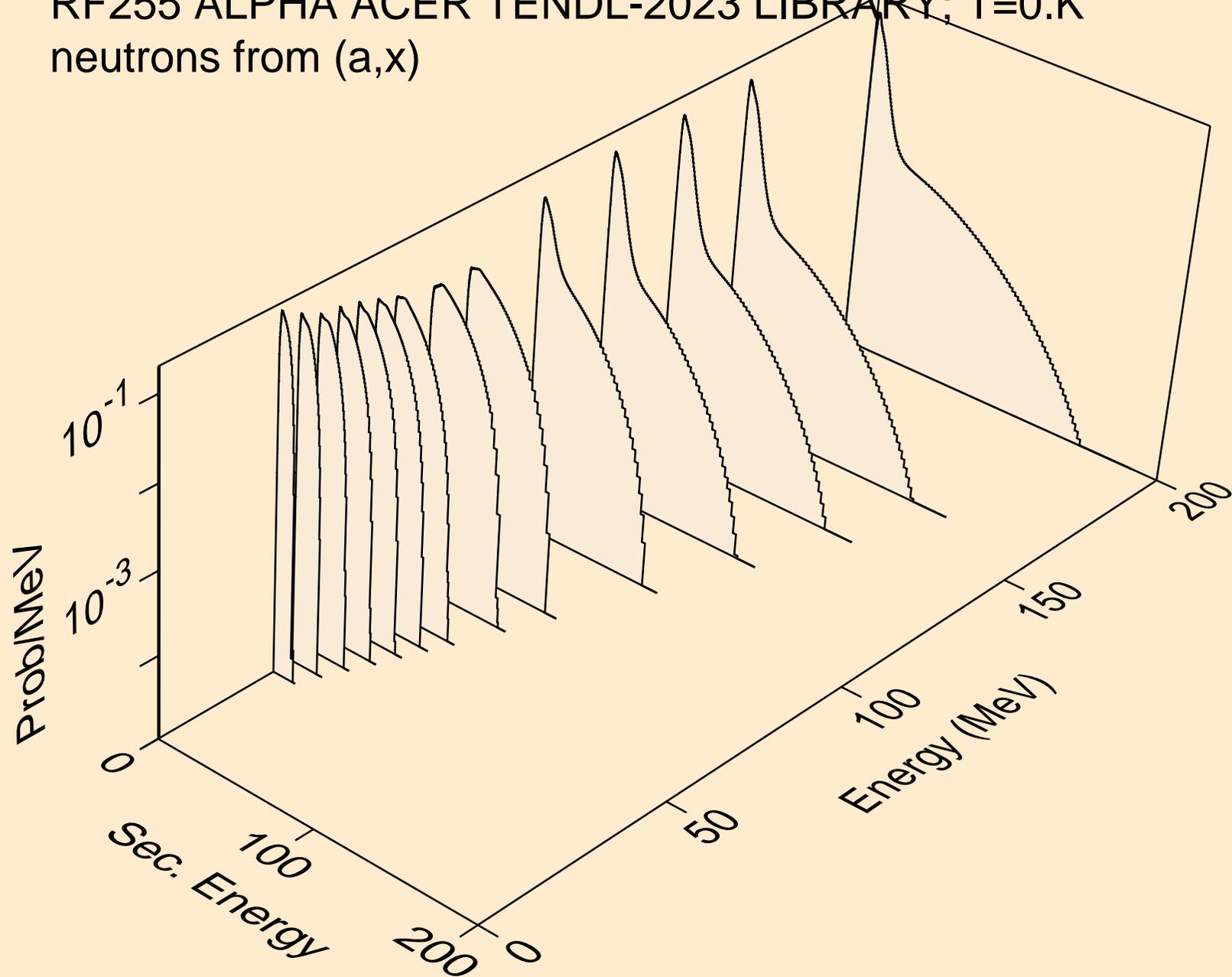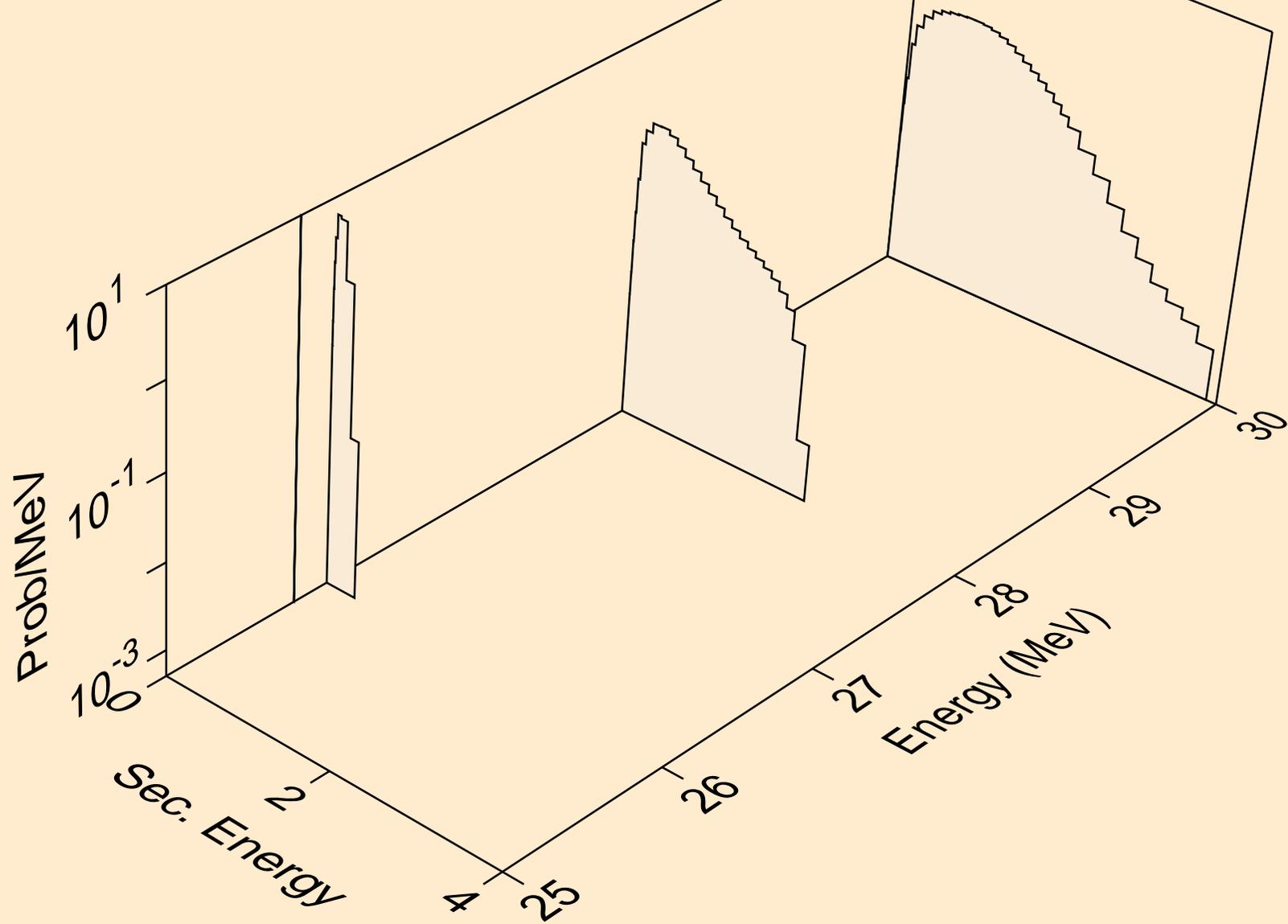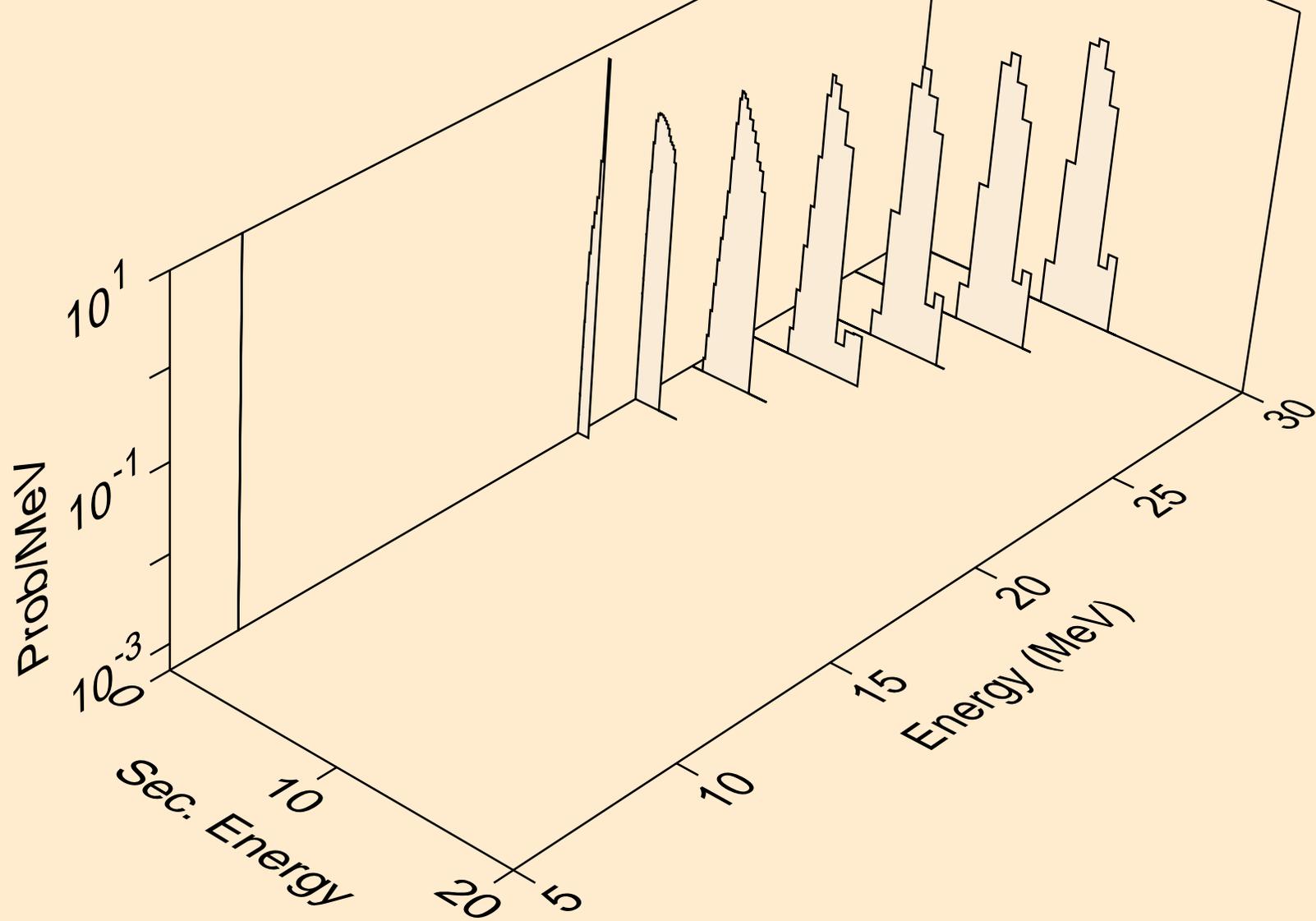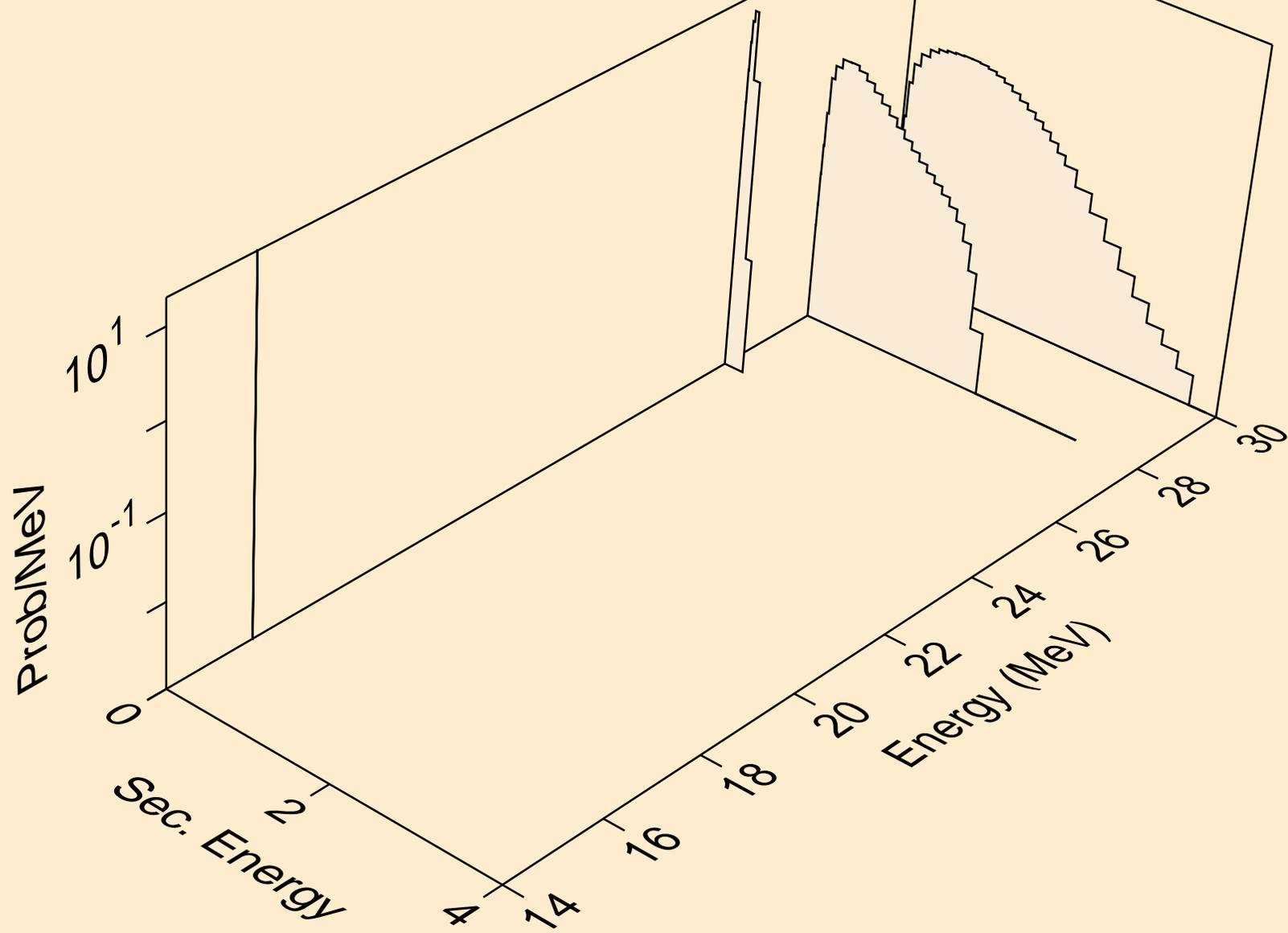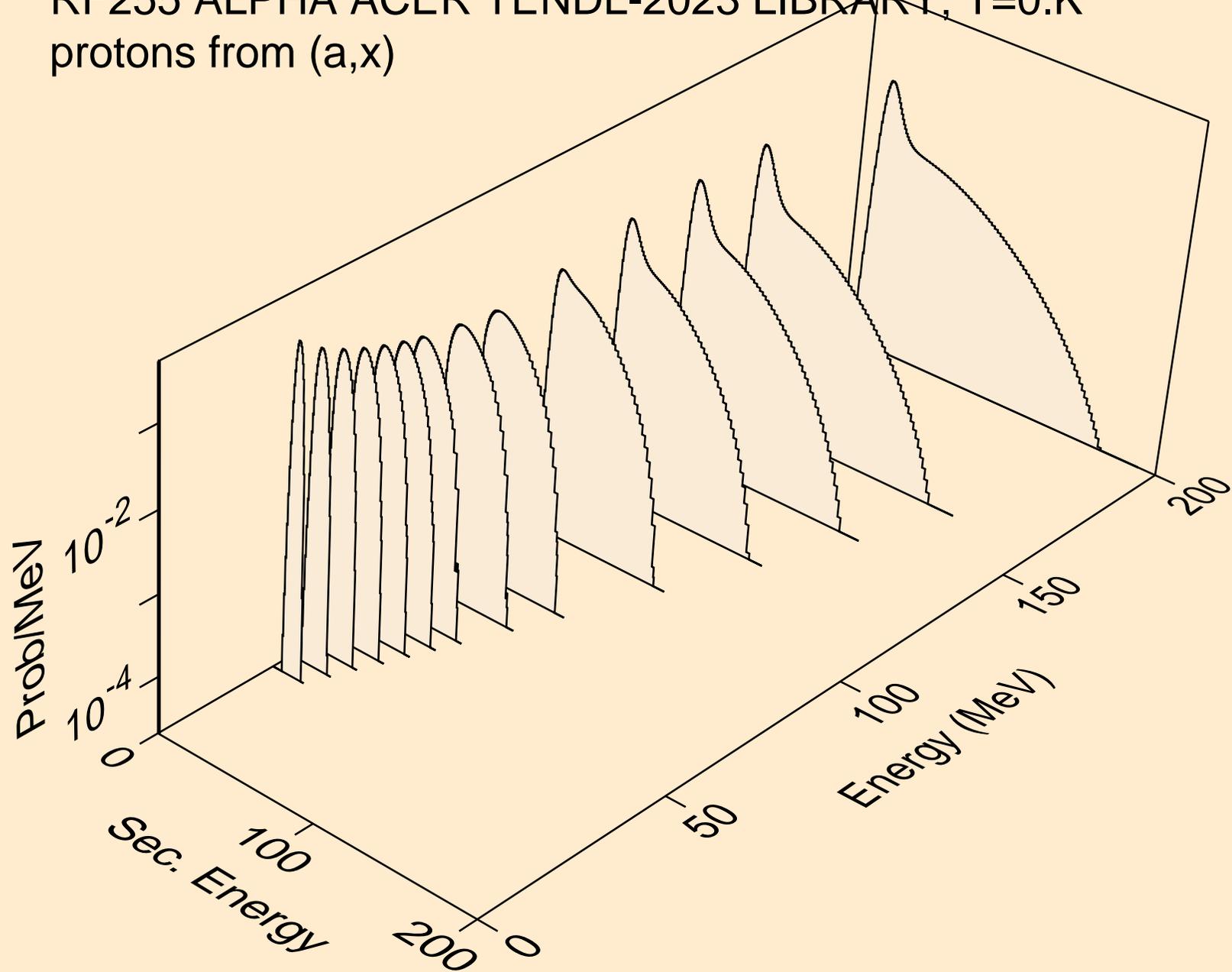neutrons from (a,2n)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
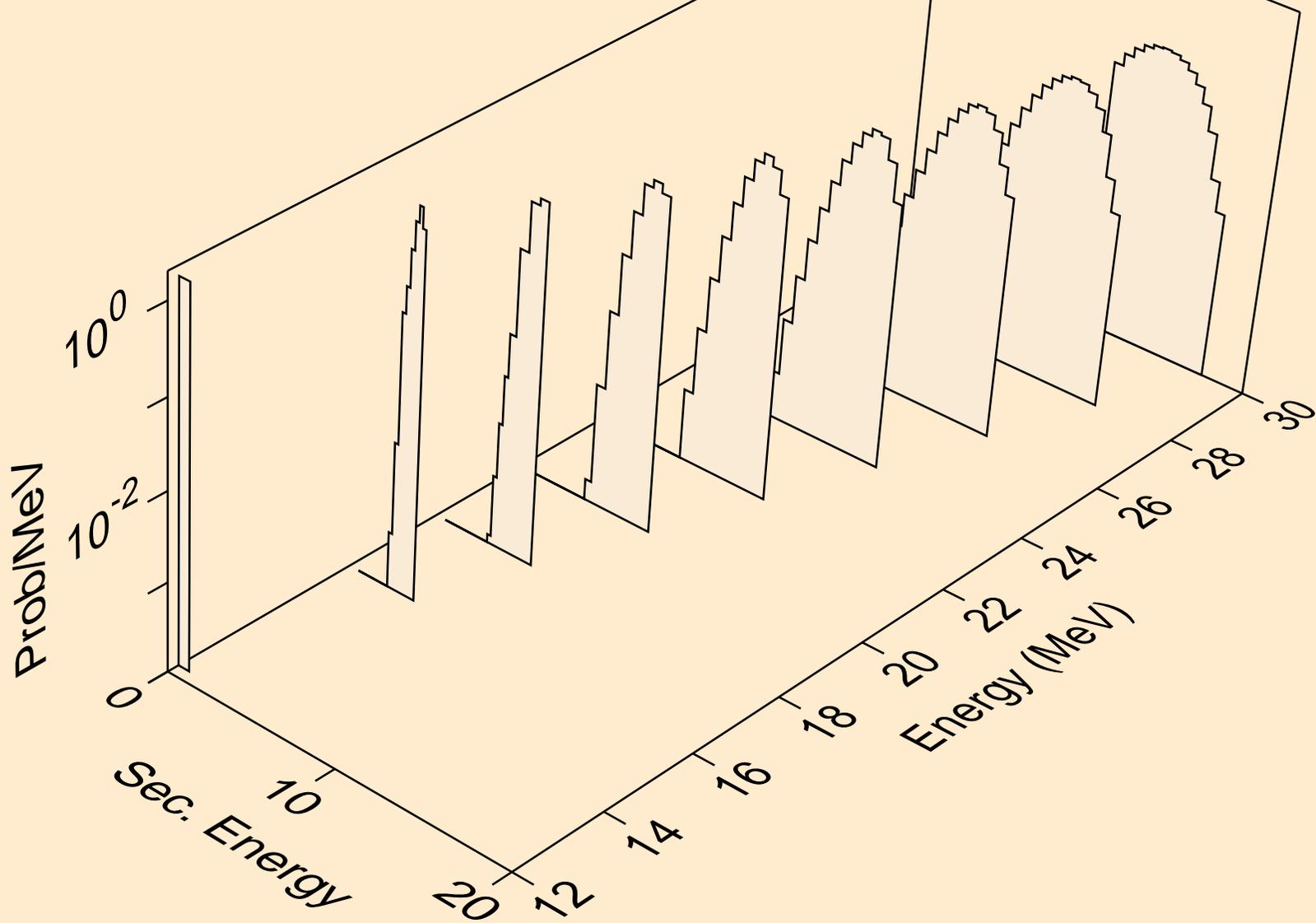neutrons from (a,n*)a

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
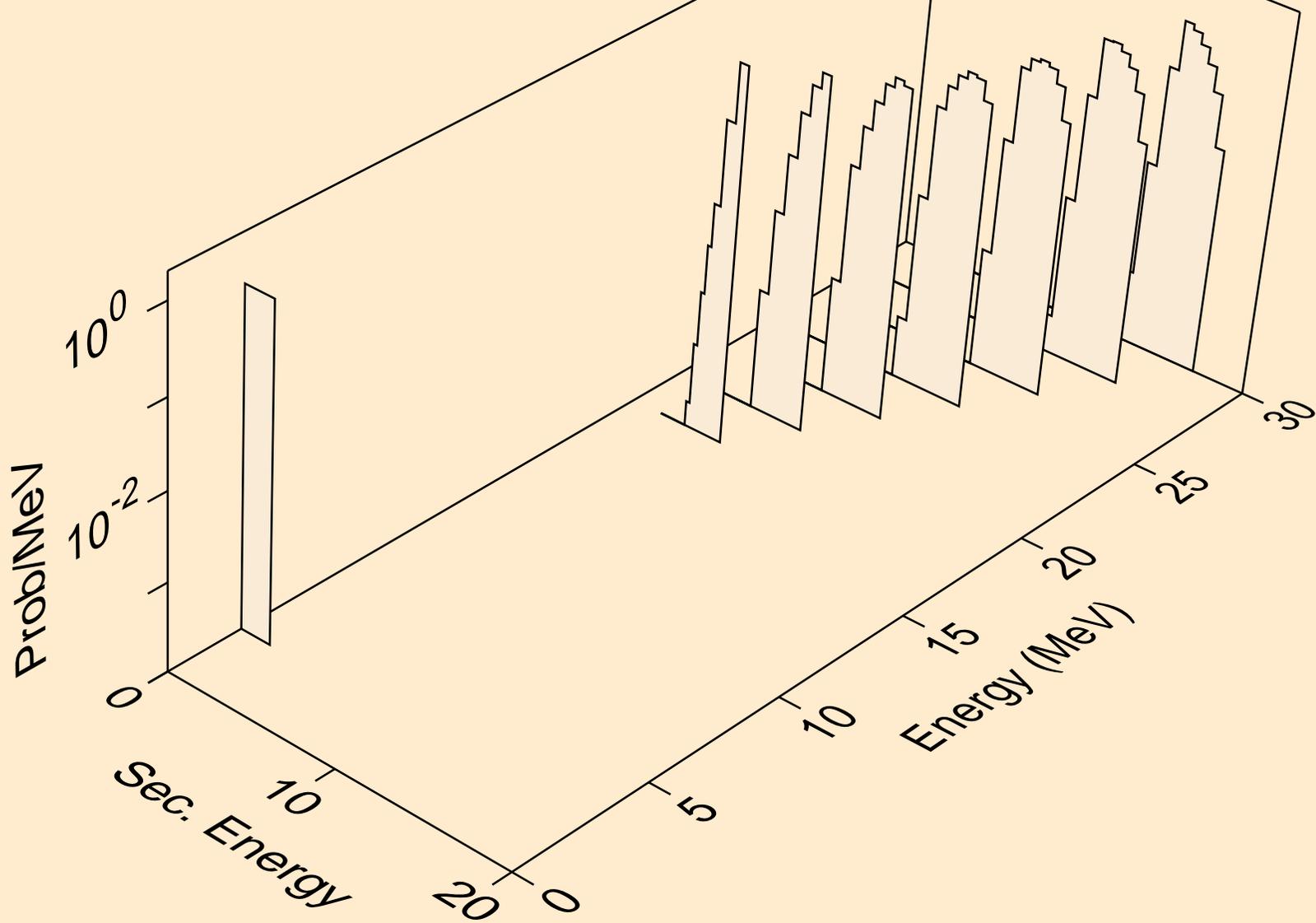neutrons from (a,2n)a

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
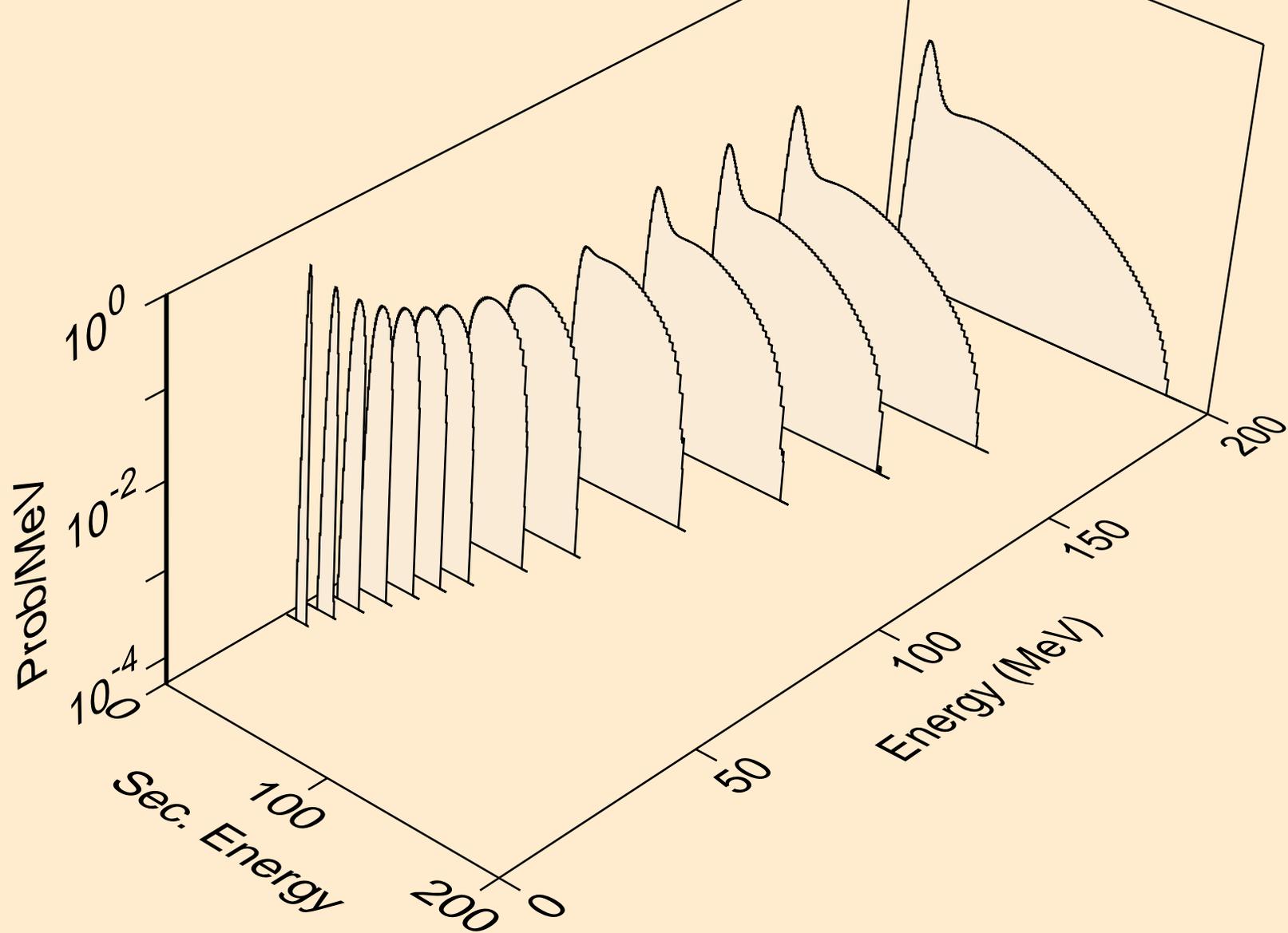protons from (a,x)

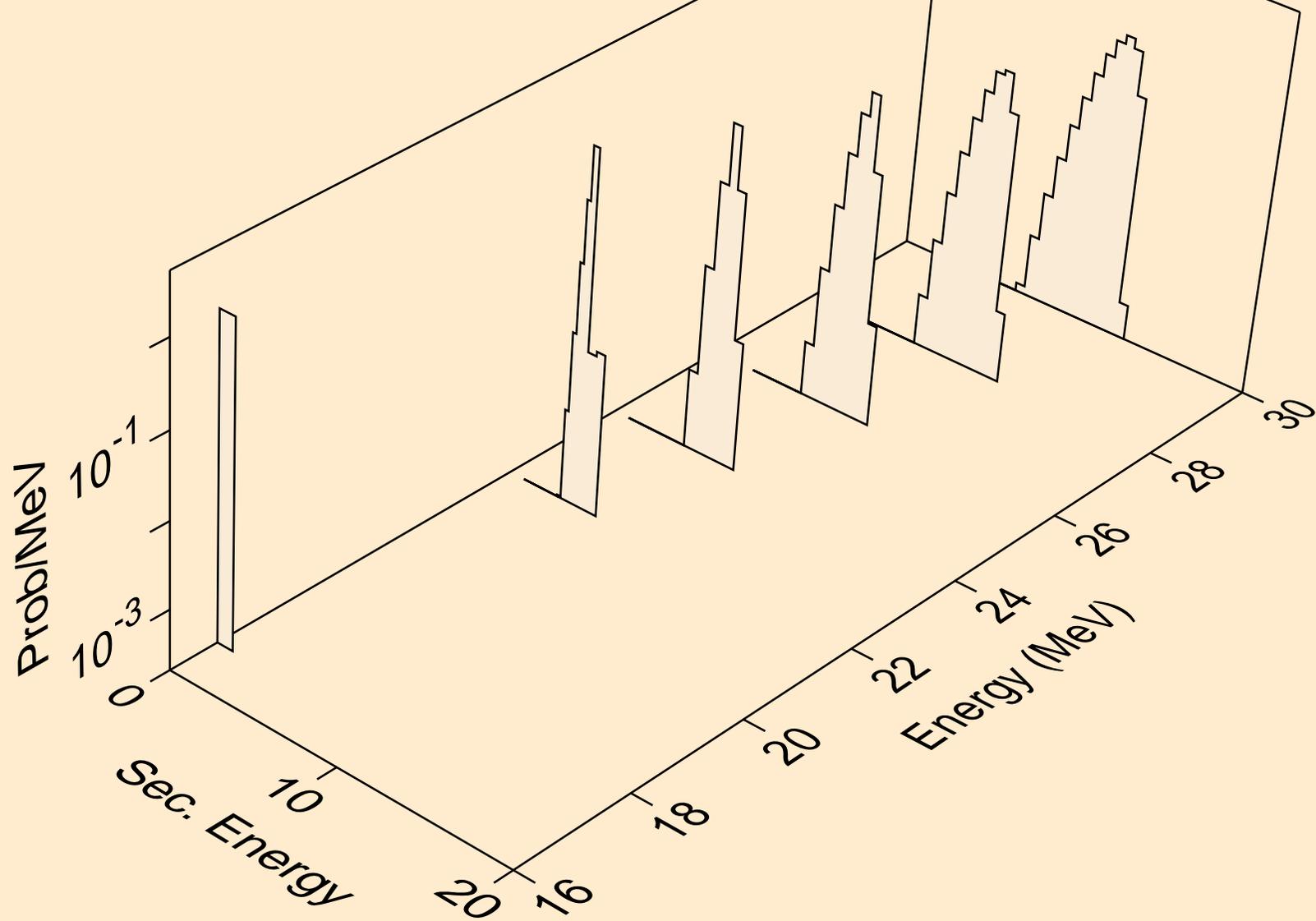RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
protons from (a,p)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
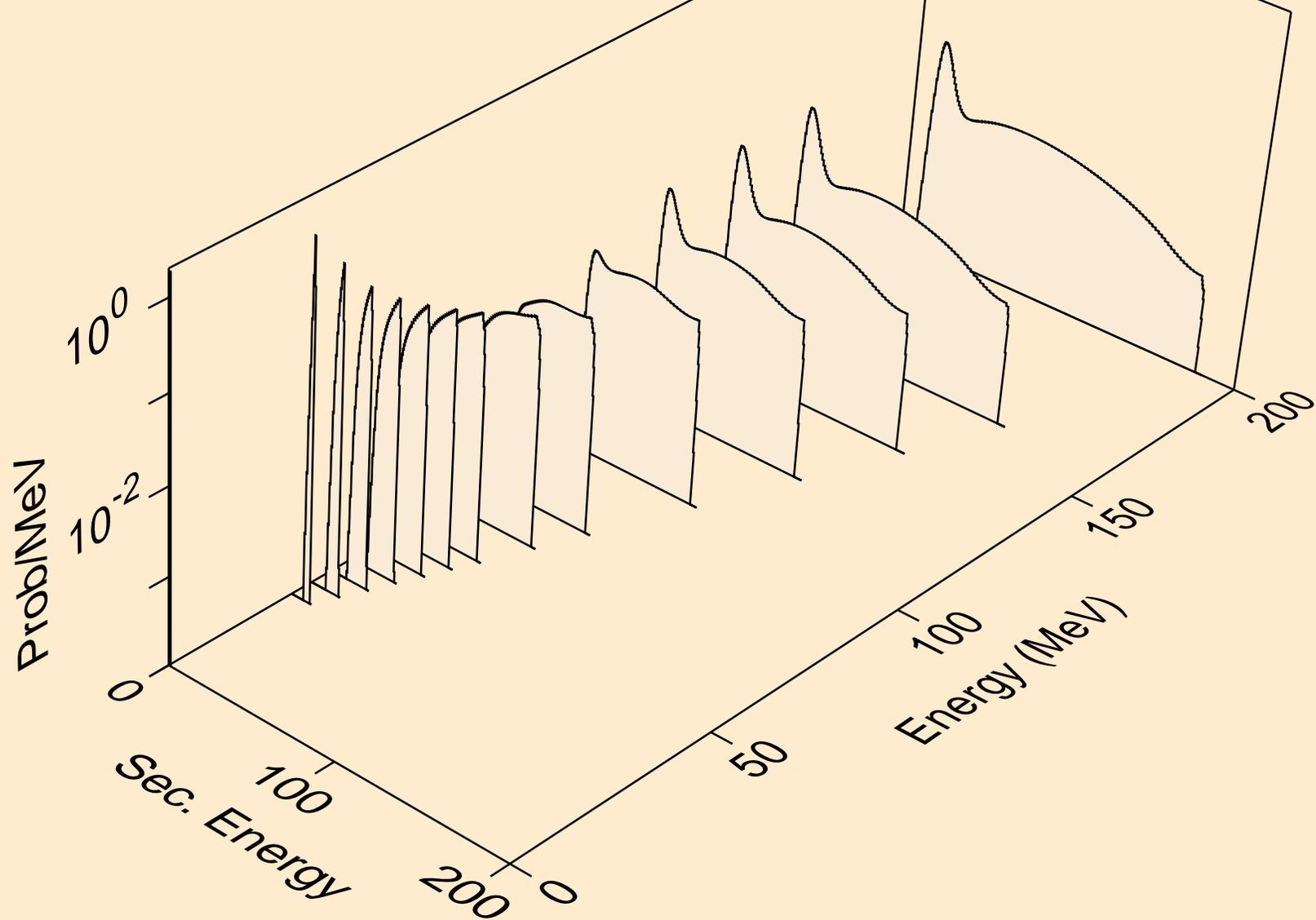protons from (a,pa)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
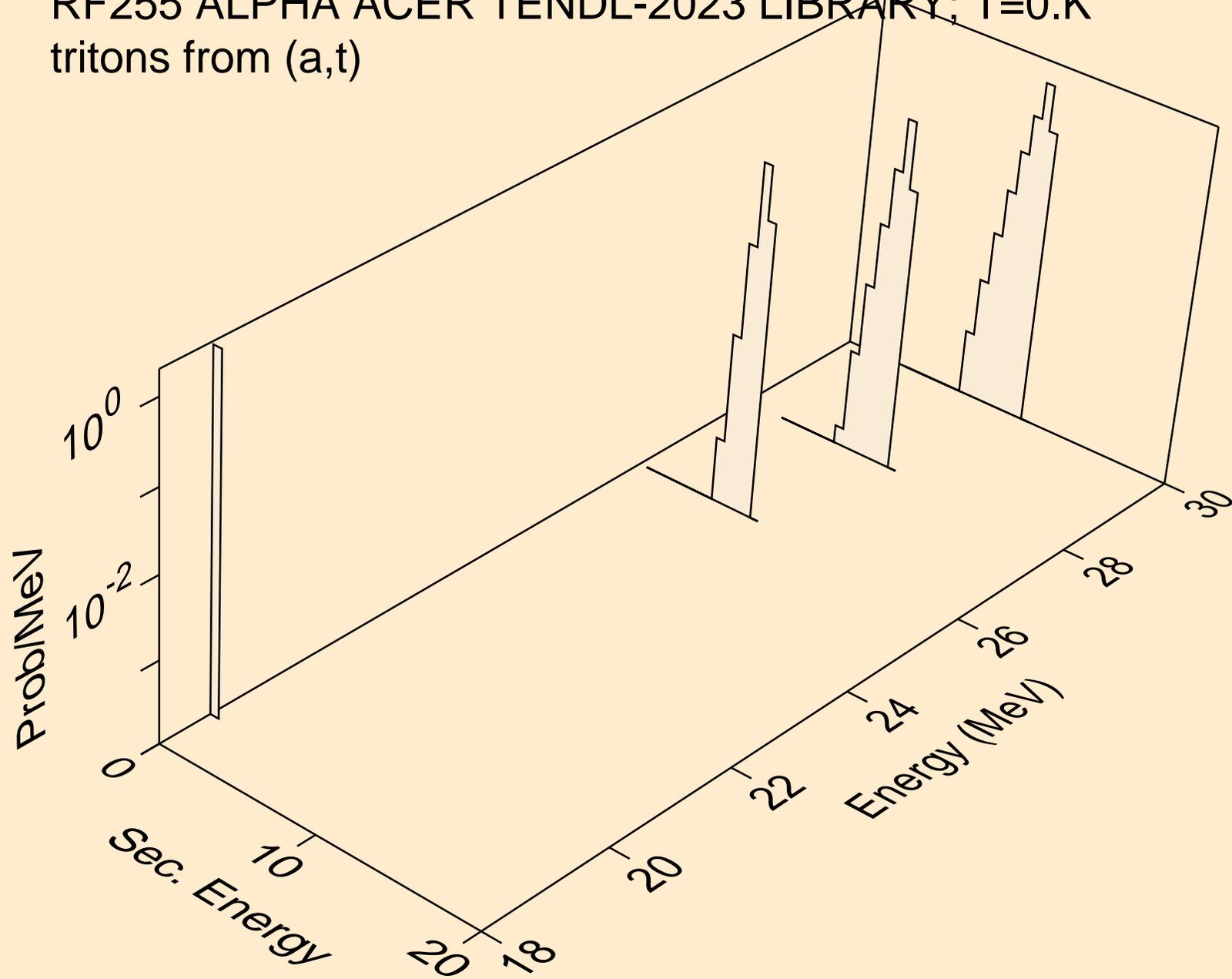deuterons from (a,x)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,d)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)

Prob/MeV

10^0

10^{-2}

Sec. Energy

Energy (MeV)

0   100   200

0   50   100   150   200

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)

RF255 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)