CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Principal cross sections

Cross section (barns)

Energy (MeV)

- total
- absorption
- elastic
- gamma production
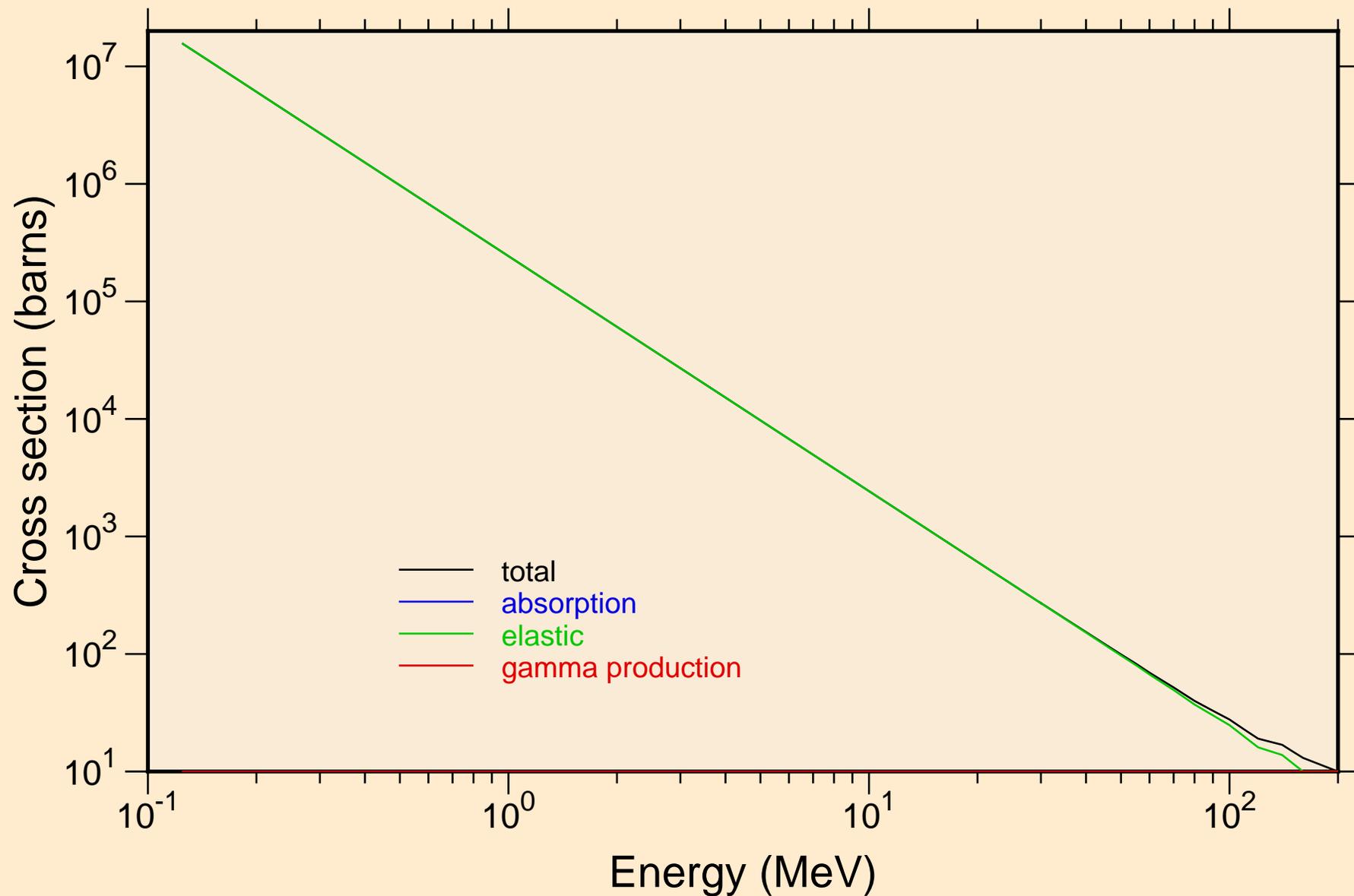
CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Heating

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
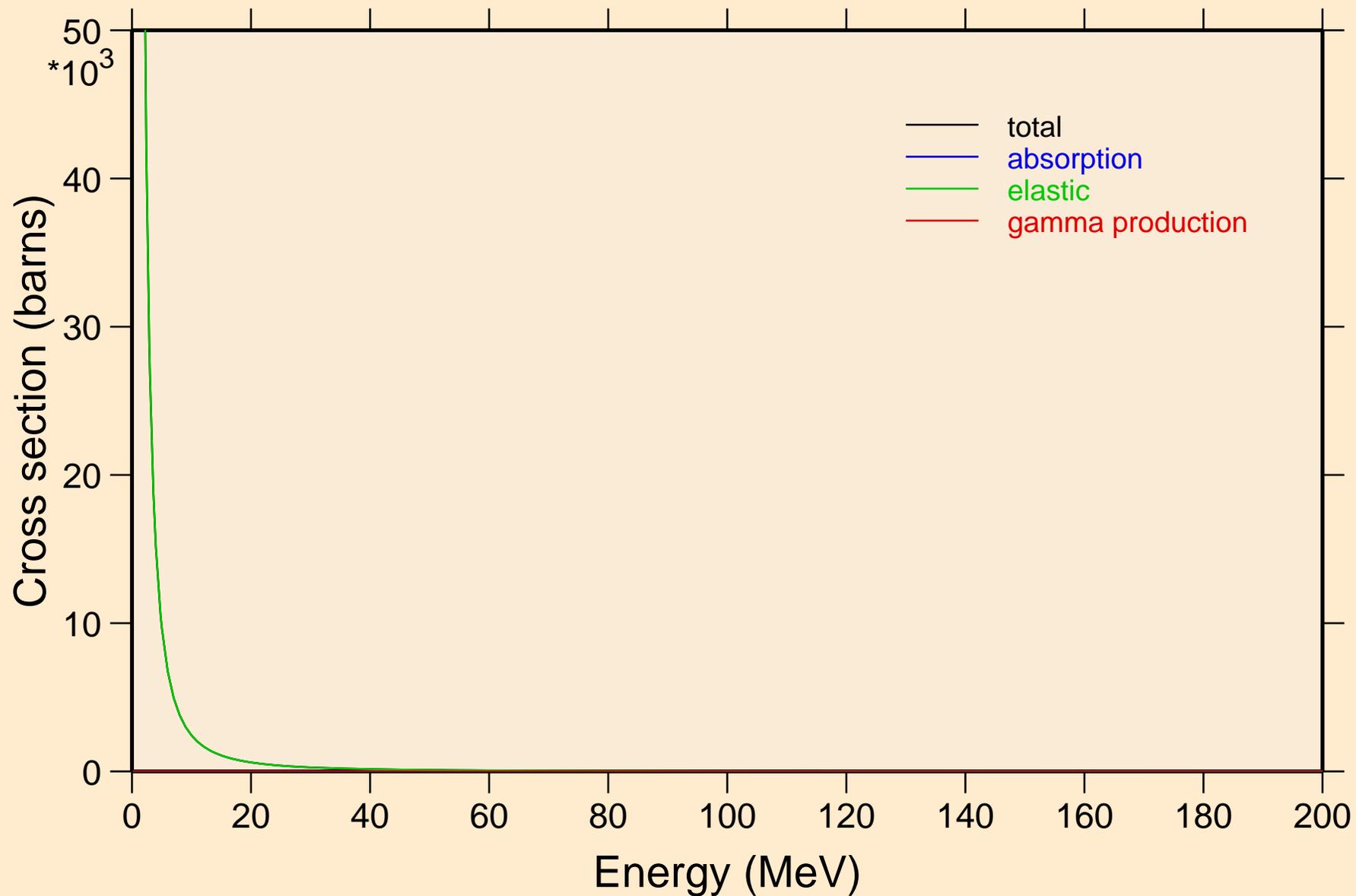Principal cross sections

Cross section (barns)

Energy (MeV)

total
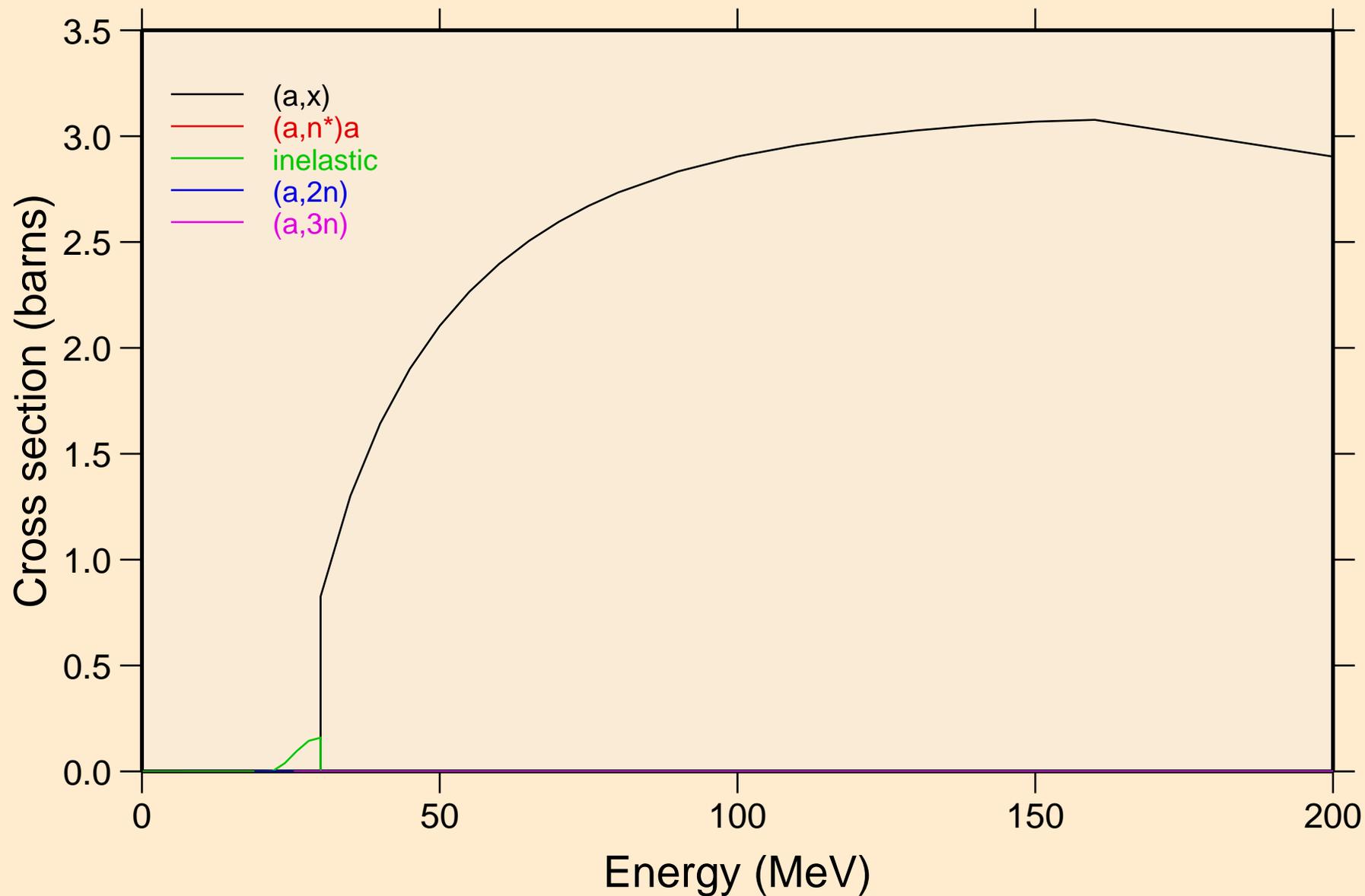absorption
elastic
gamma production
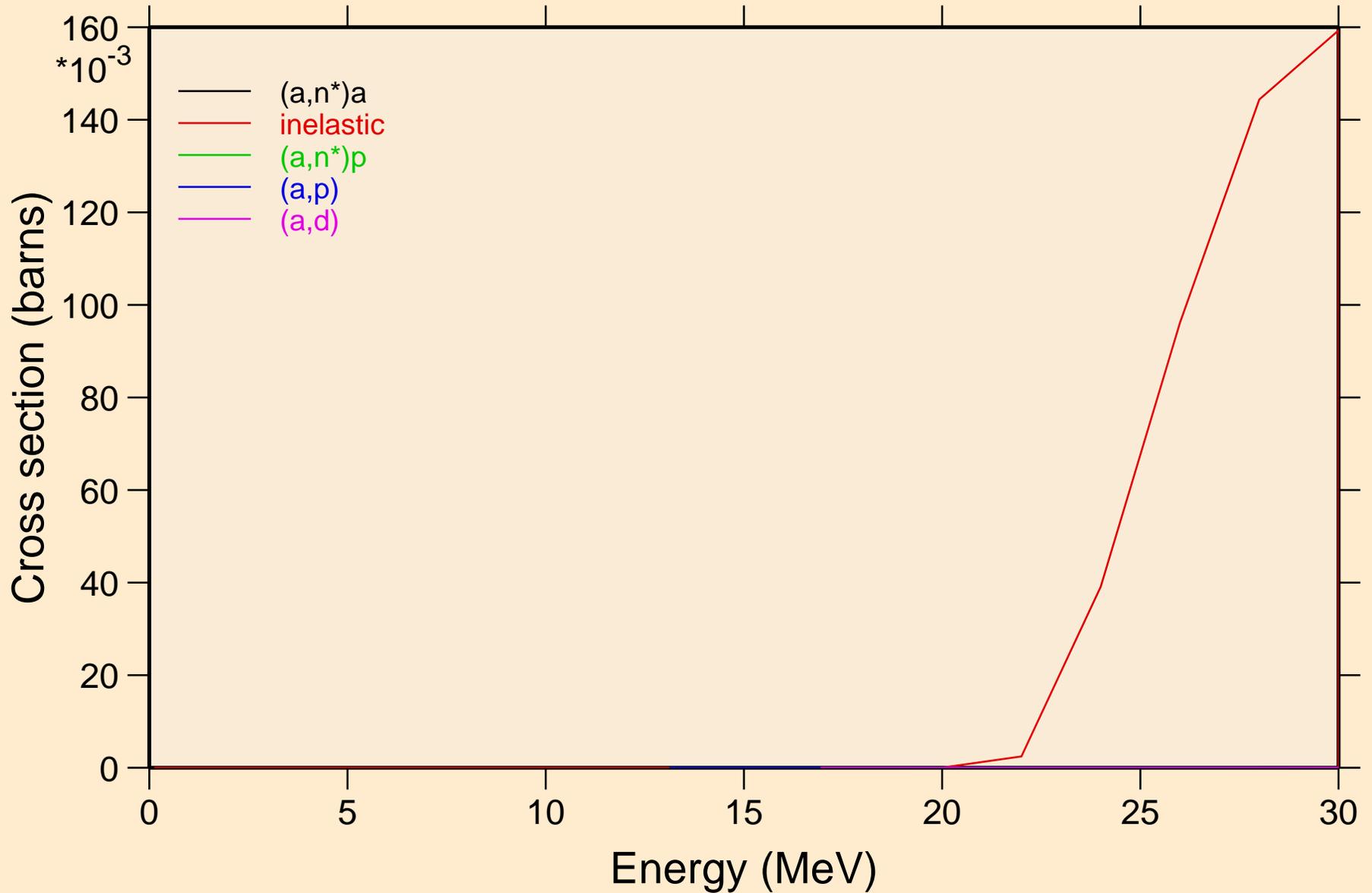
CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Heating

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

Legend:
- (a,x)
- (a,n*)a
- inelastic
- (a,2n)
- (a,3n)

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

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

Legend:
- (a,n*)a
- inelastic
- (a,n*)p
- (a,p)
- (a,d)

X-axis: Energy (MeV)
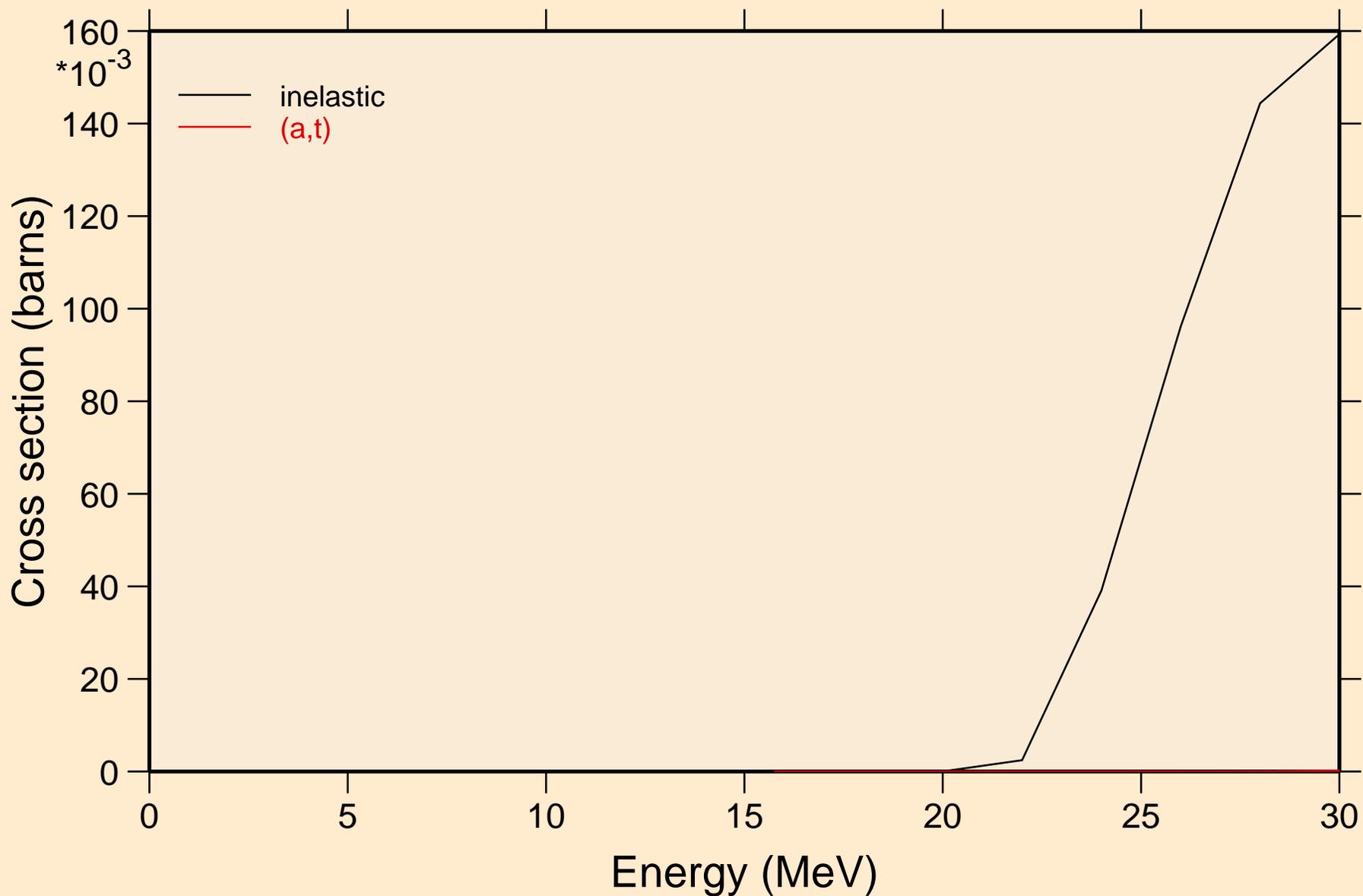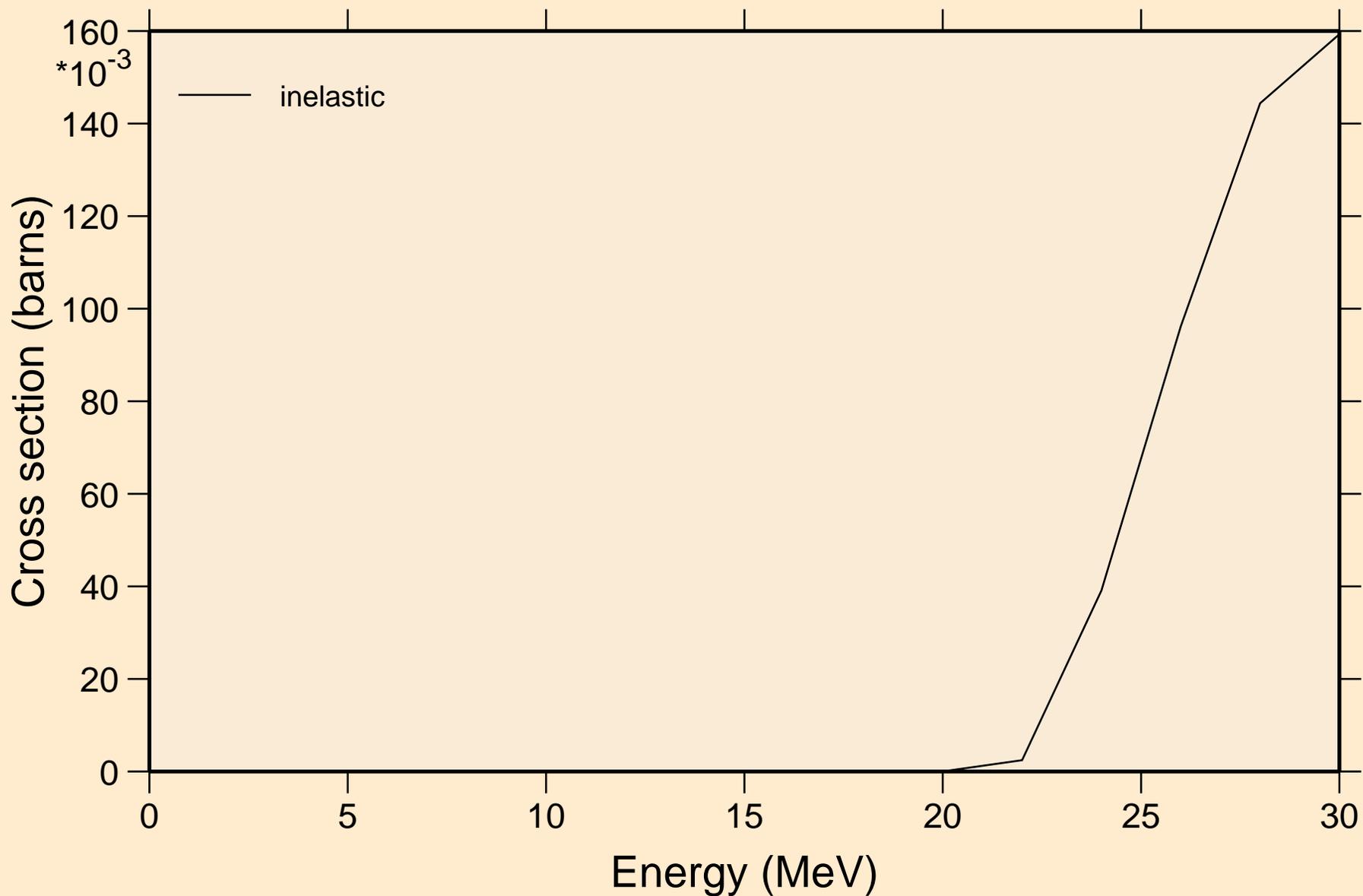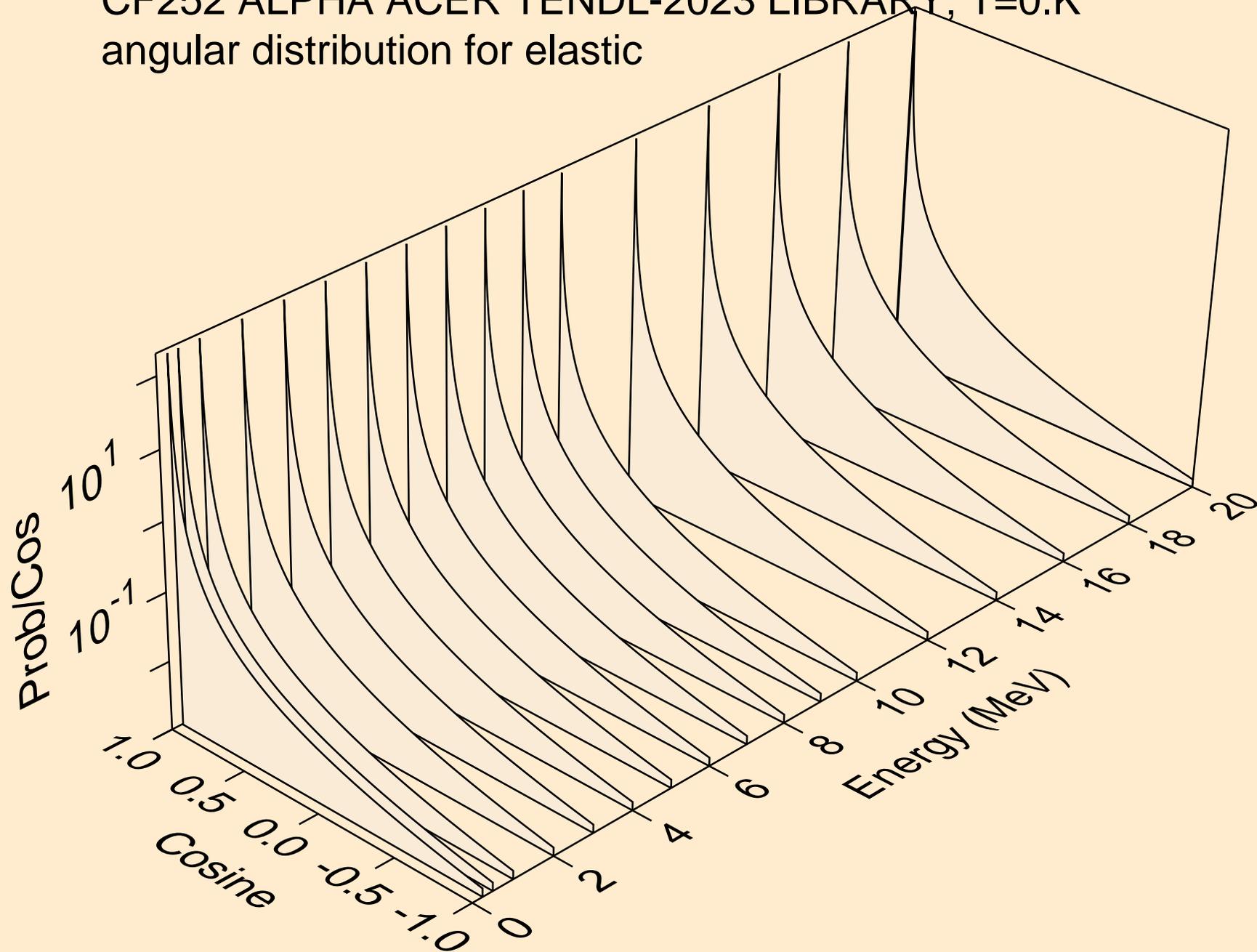Y-axis: Cross section (barns) *10^-3

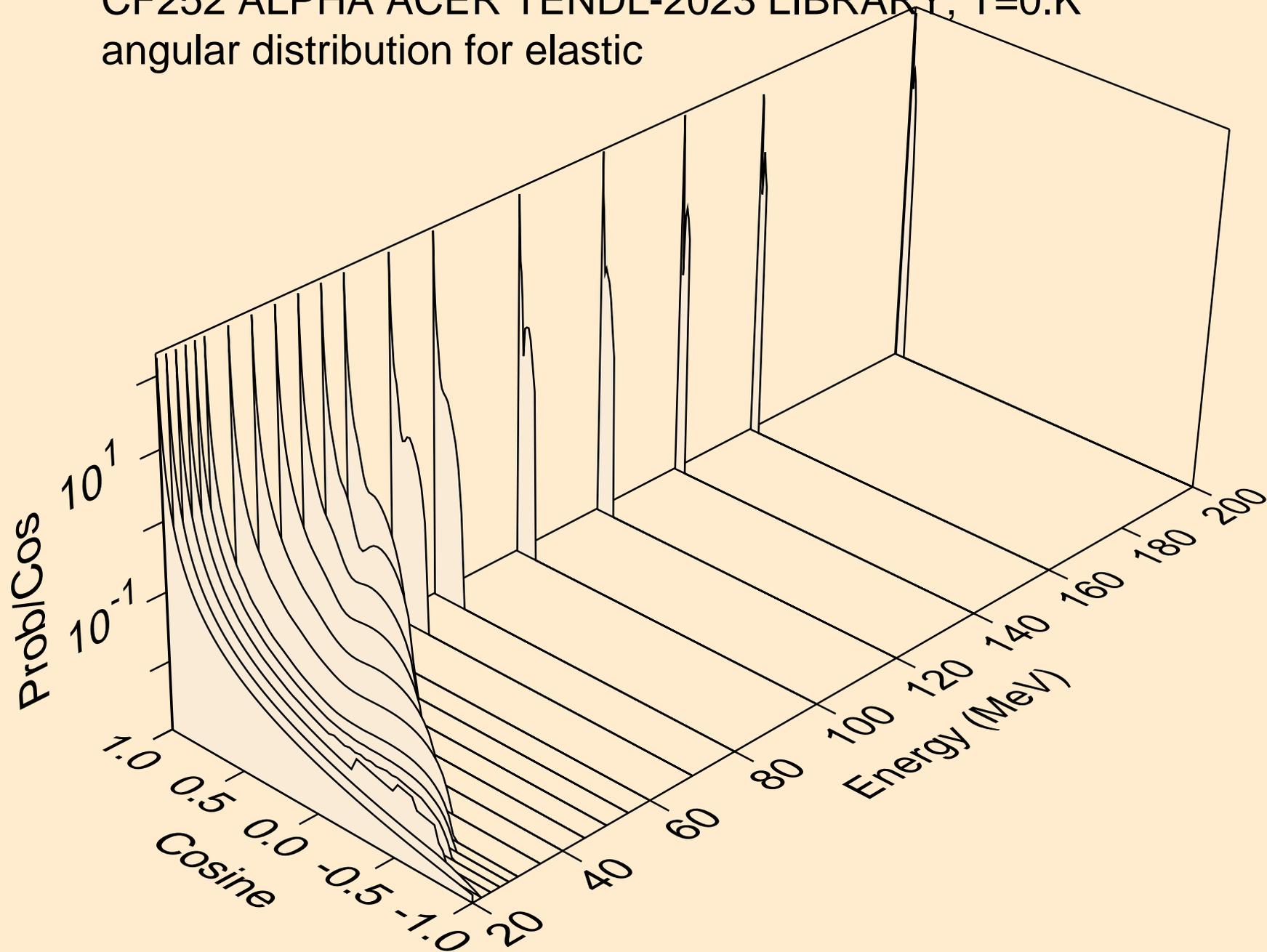CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

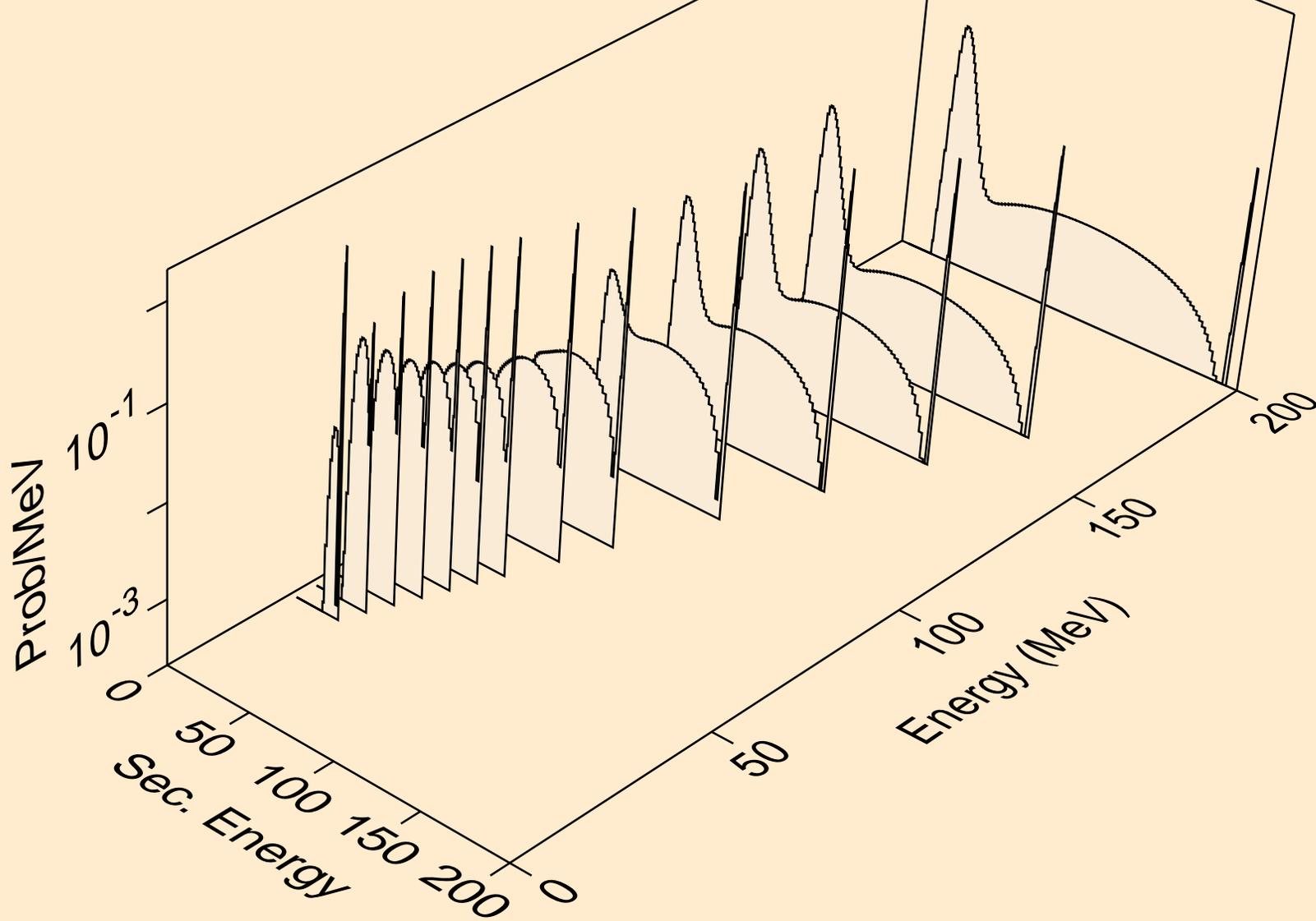CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Threshold reactions

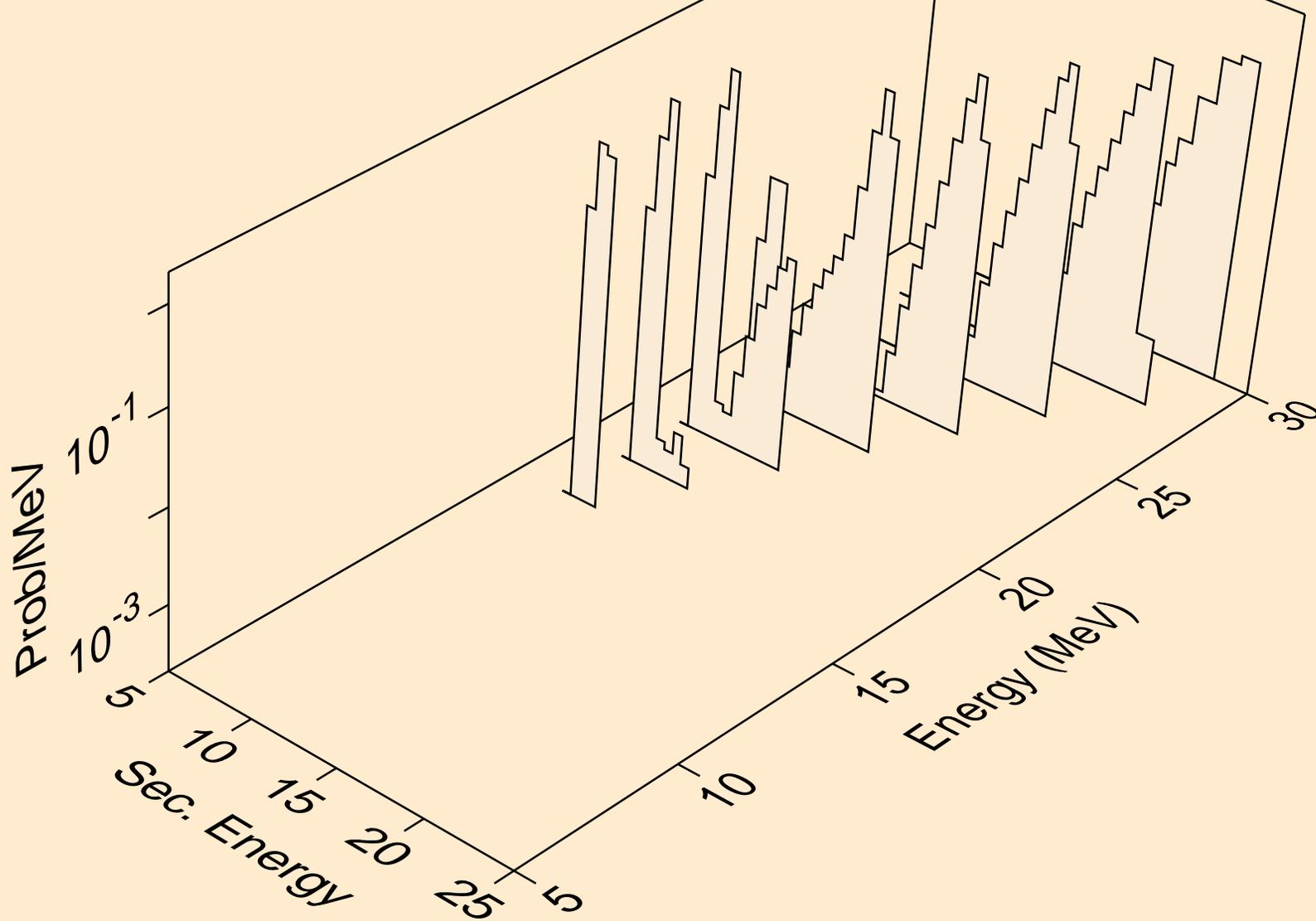CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

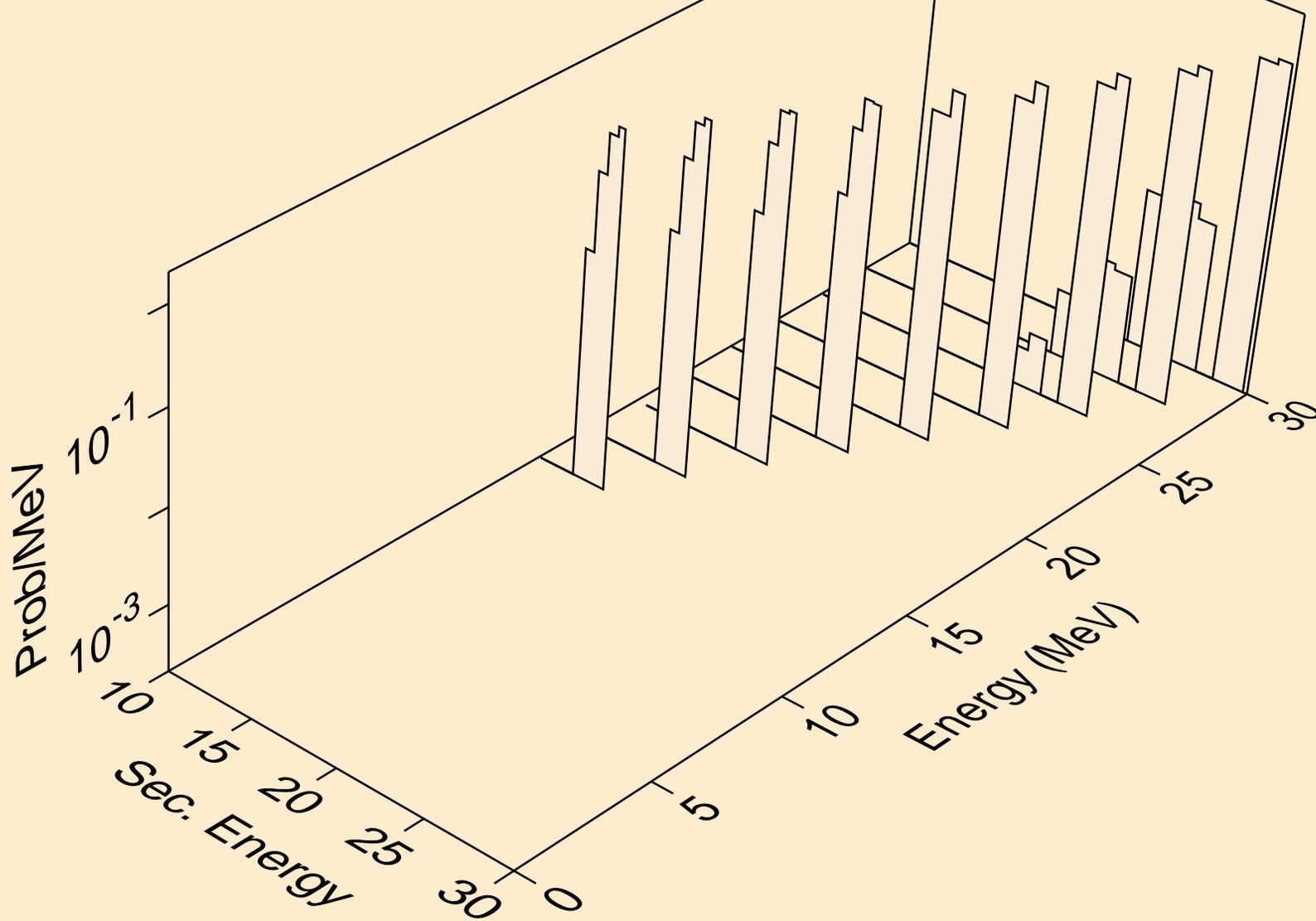CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
angular distribution for elastic

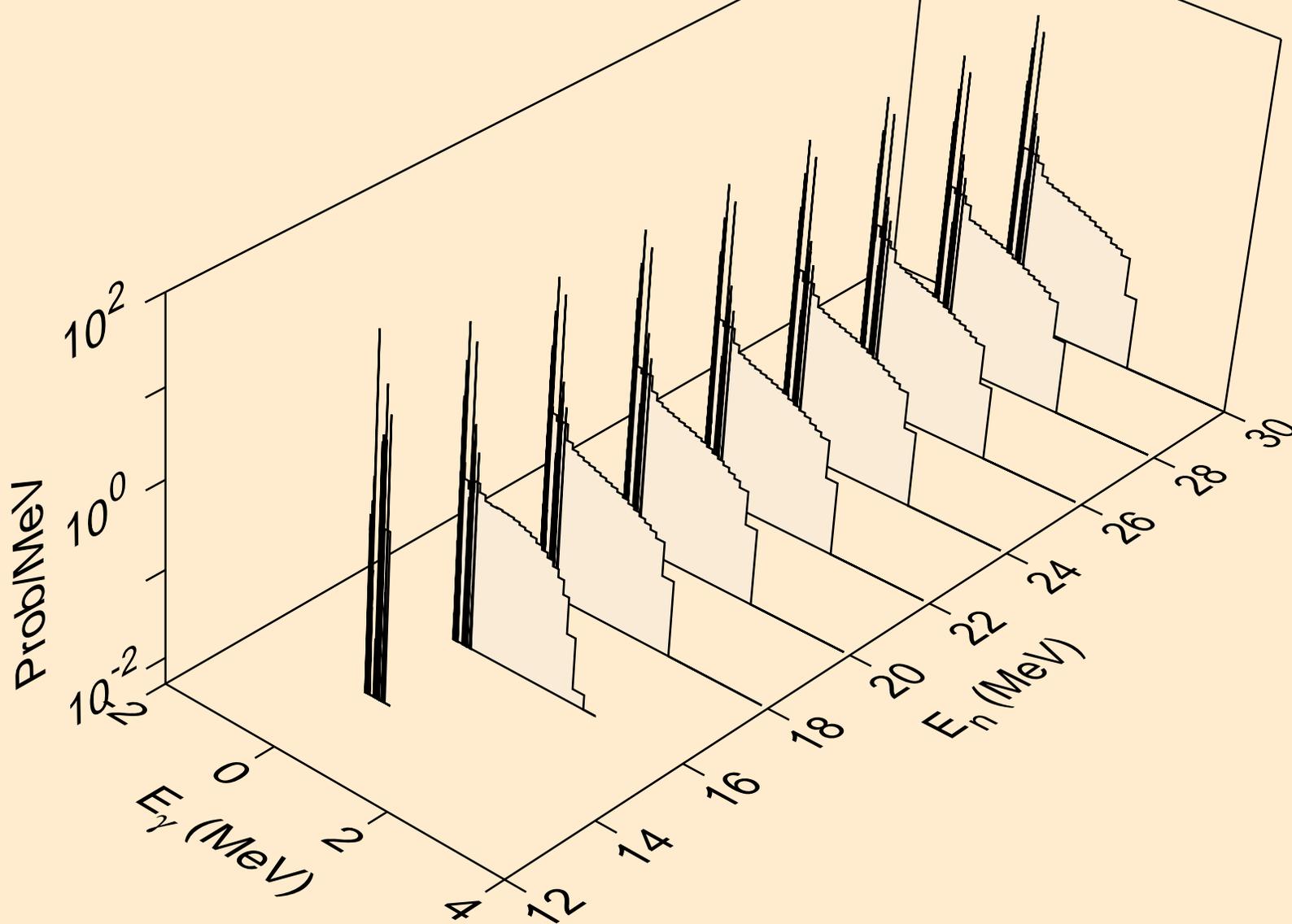CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,x)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Alpha emission for (a,n*)a

Prob/MeV

10^{-1}

10^{-3}

Sec. Energy

Energy (MeV)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
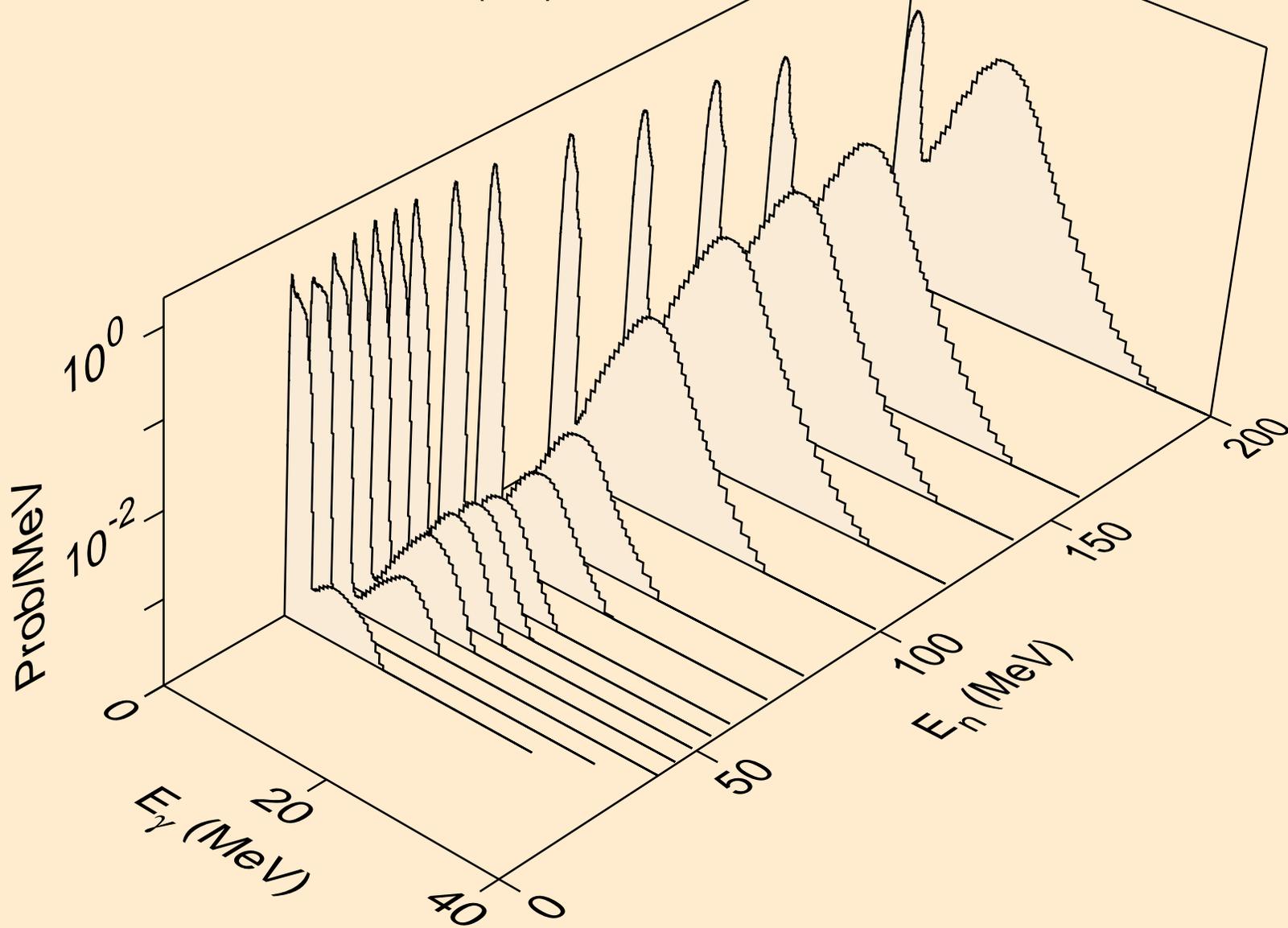Alpha emission for inelastic

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
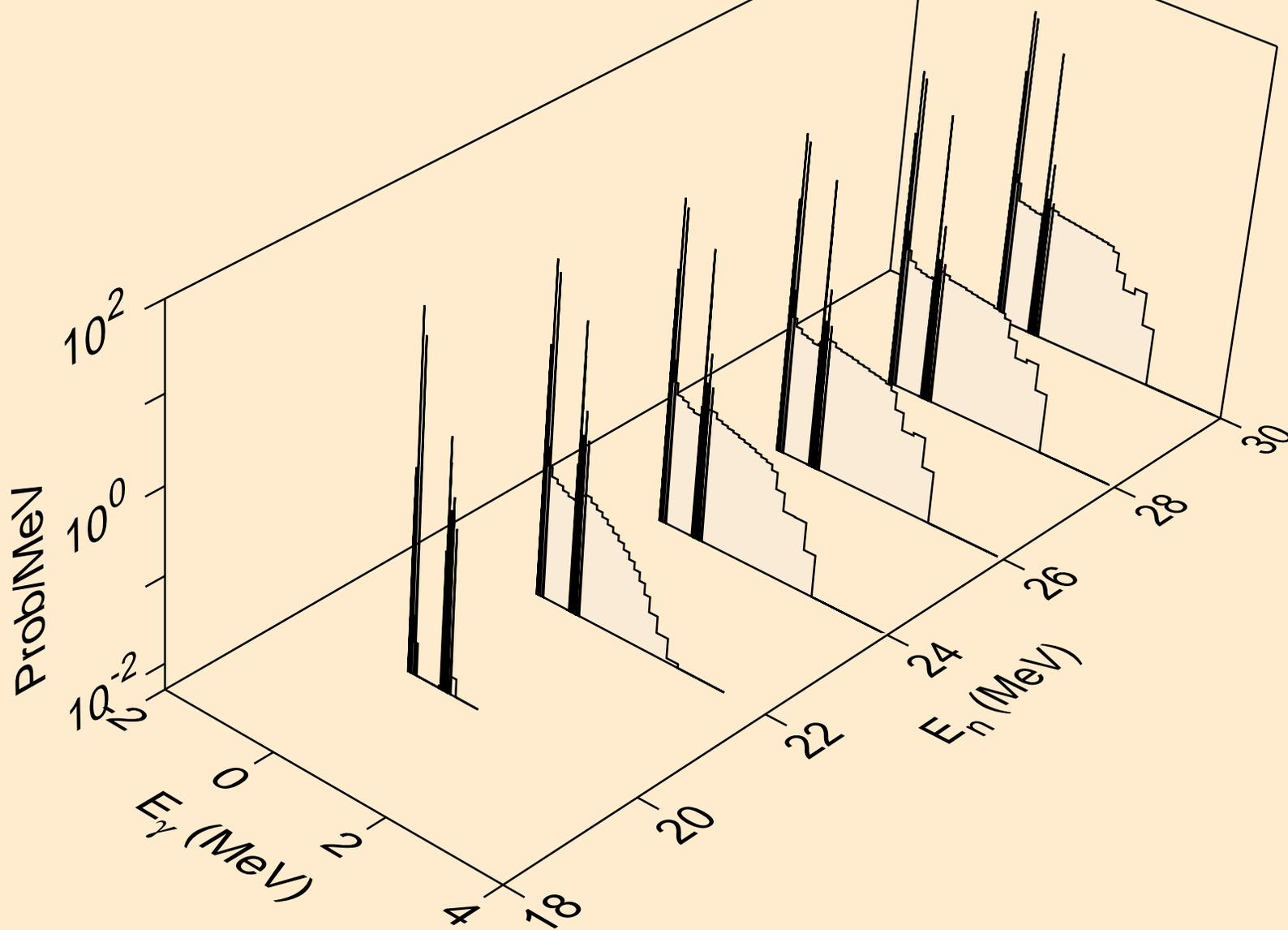Photon emission for (z,n)

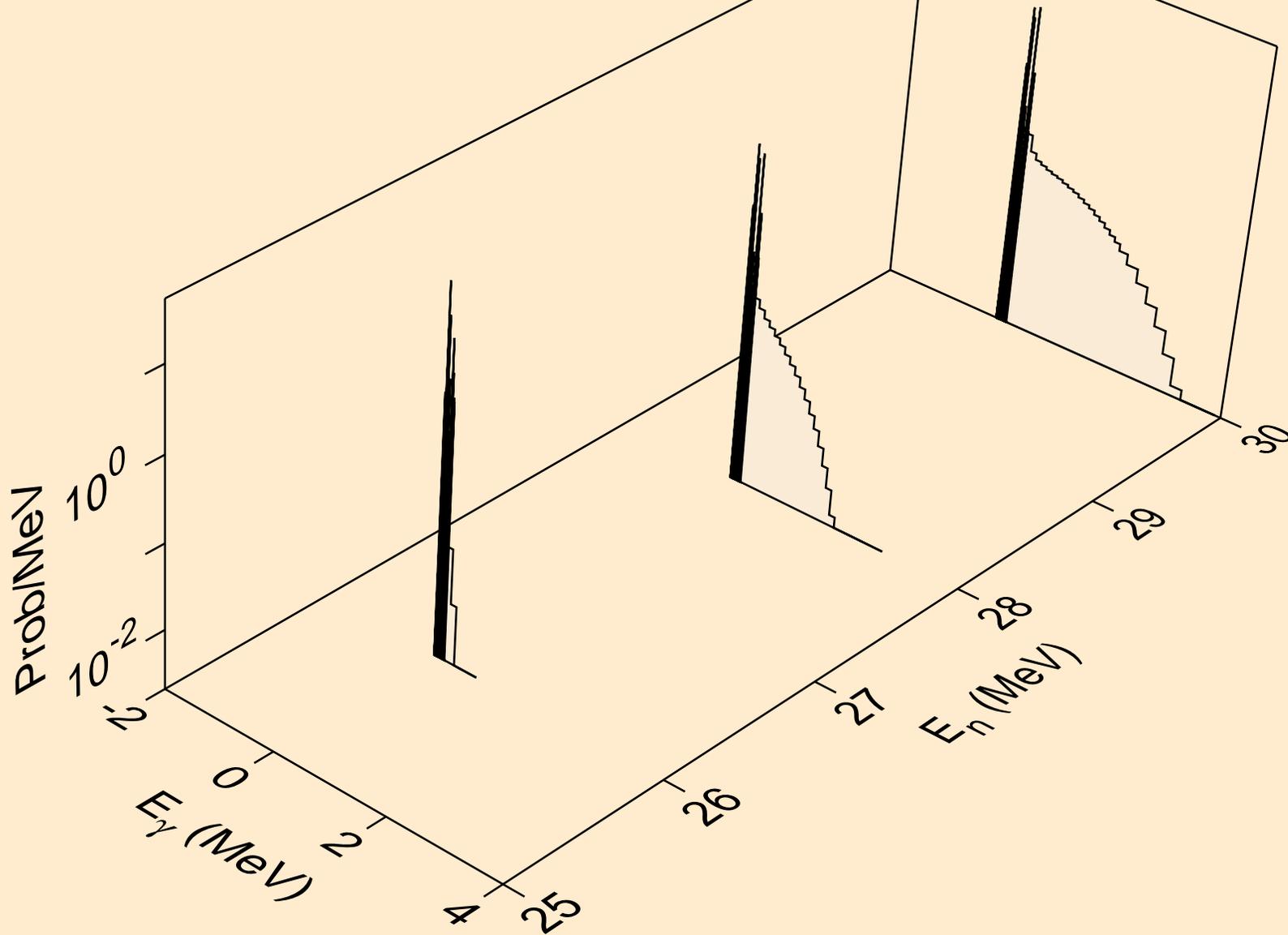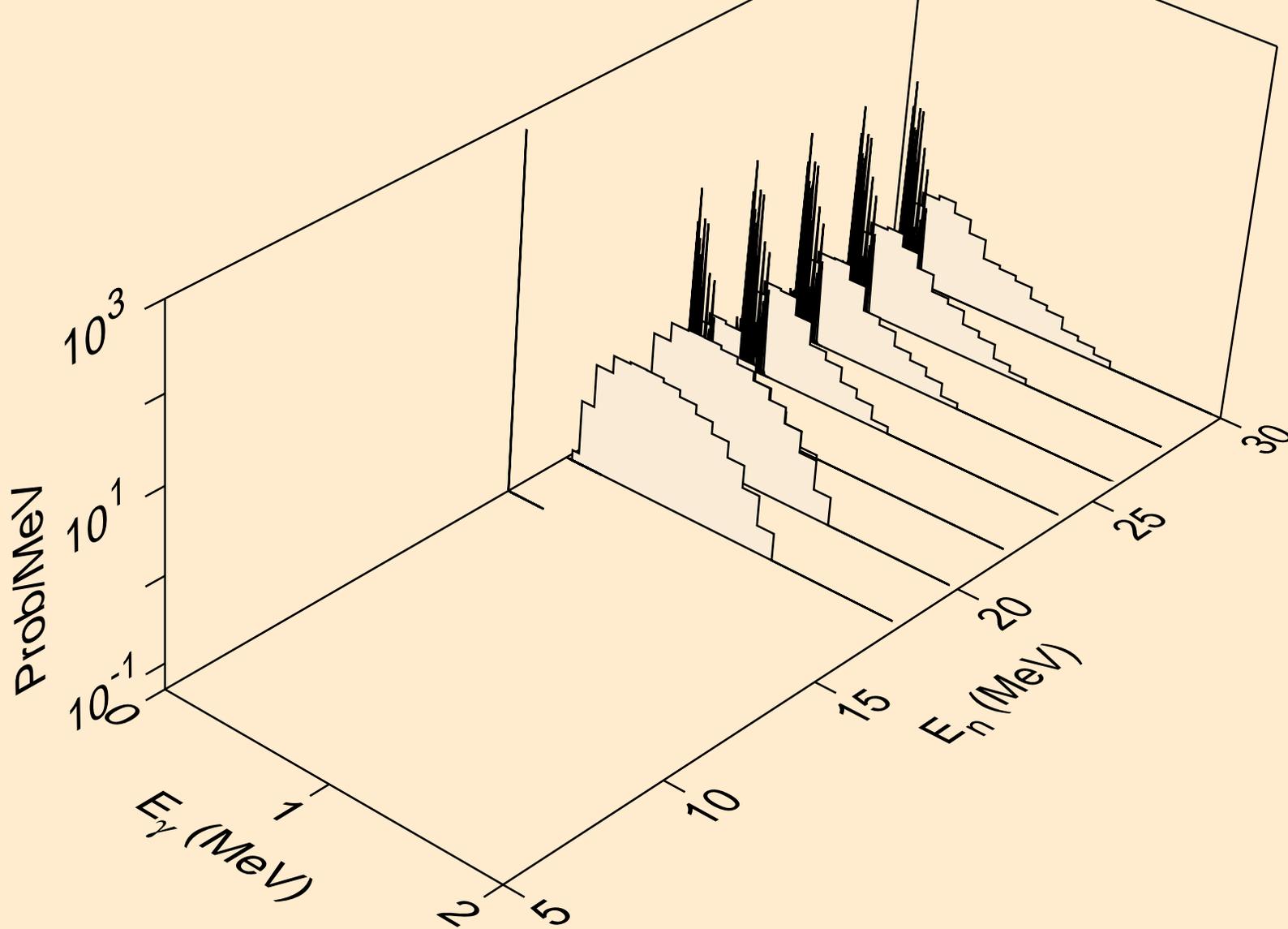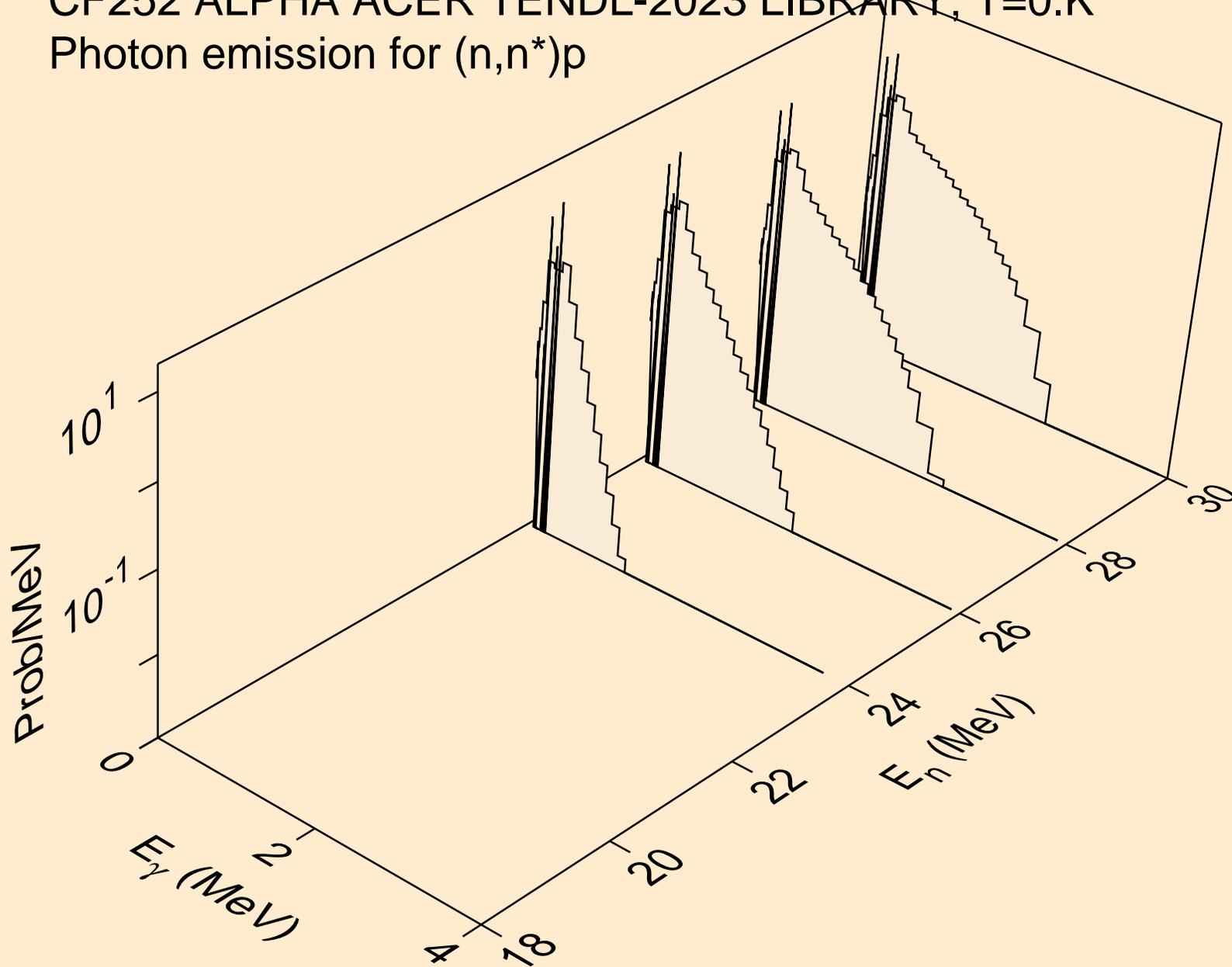CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (z,x)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,2n)

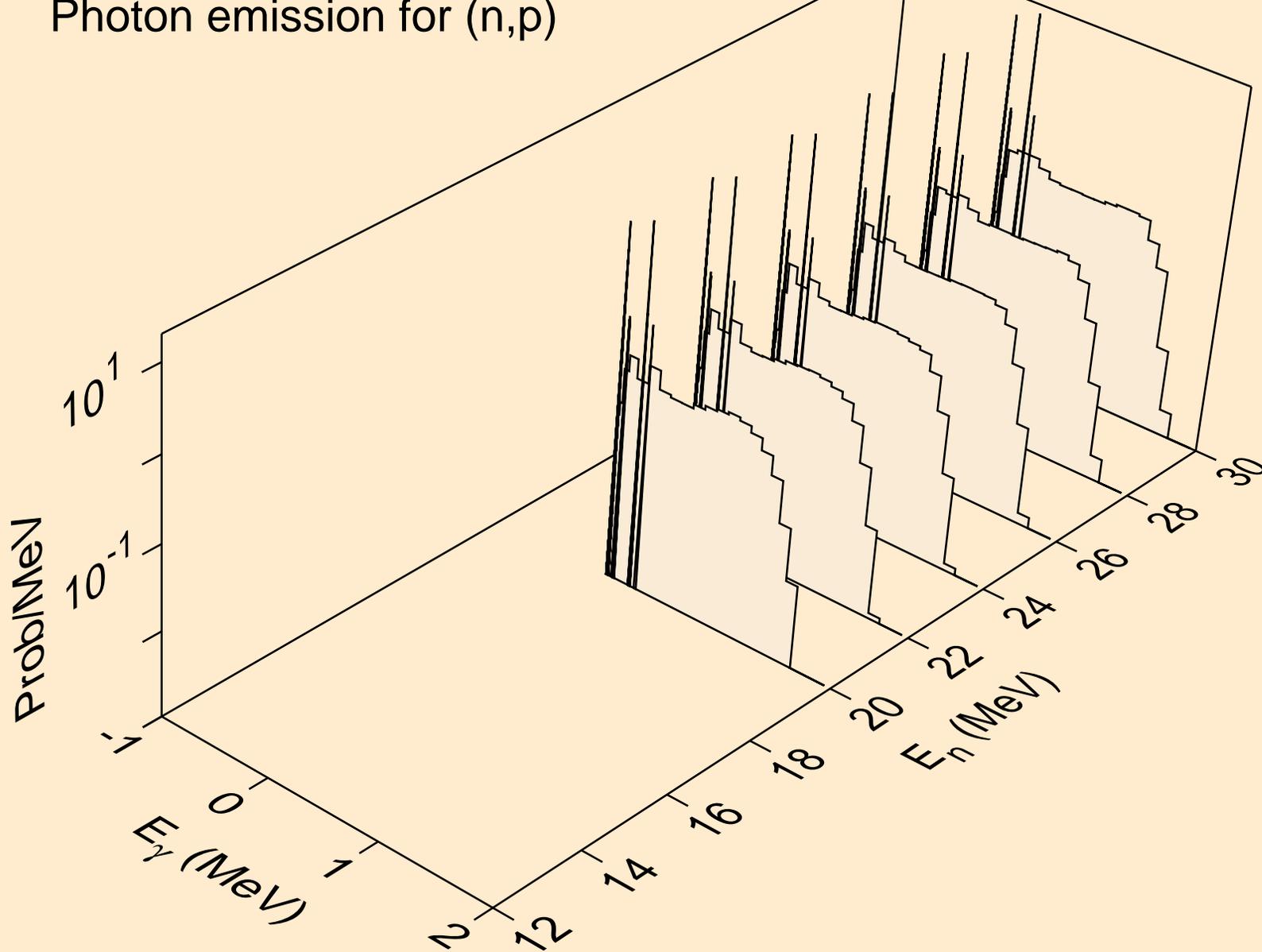CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,3n)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,n*)a

Prob/MeV

10^3

10^1

10^{-1}

E_γ (MeV)

E_n (MeV)

1
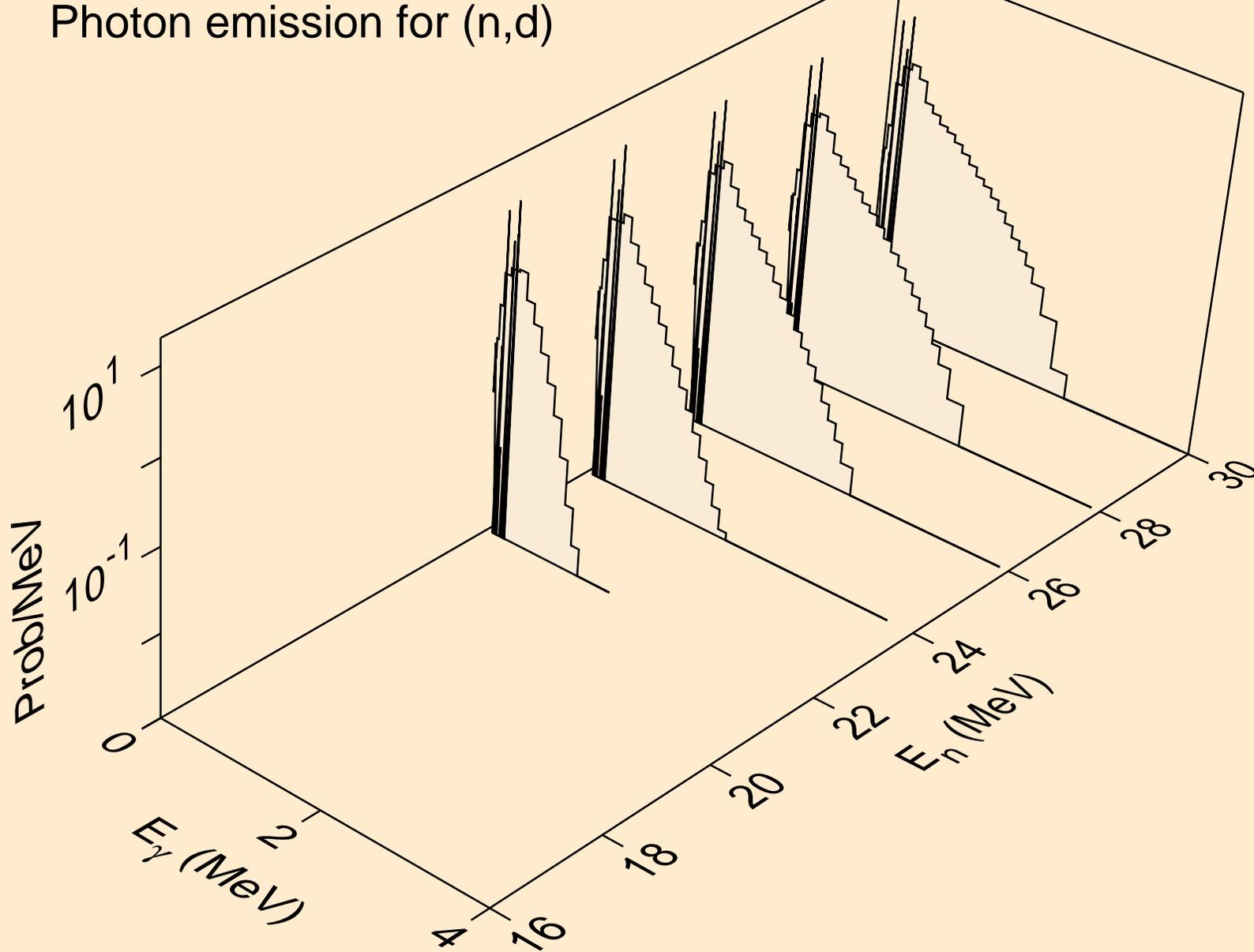
2

5

10

15

20

25

30

10^{-1}

10^0

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
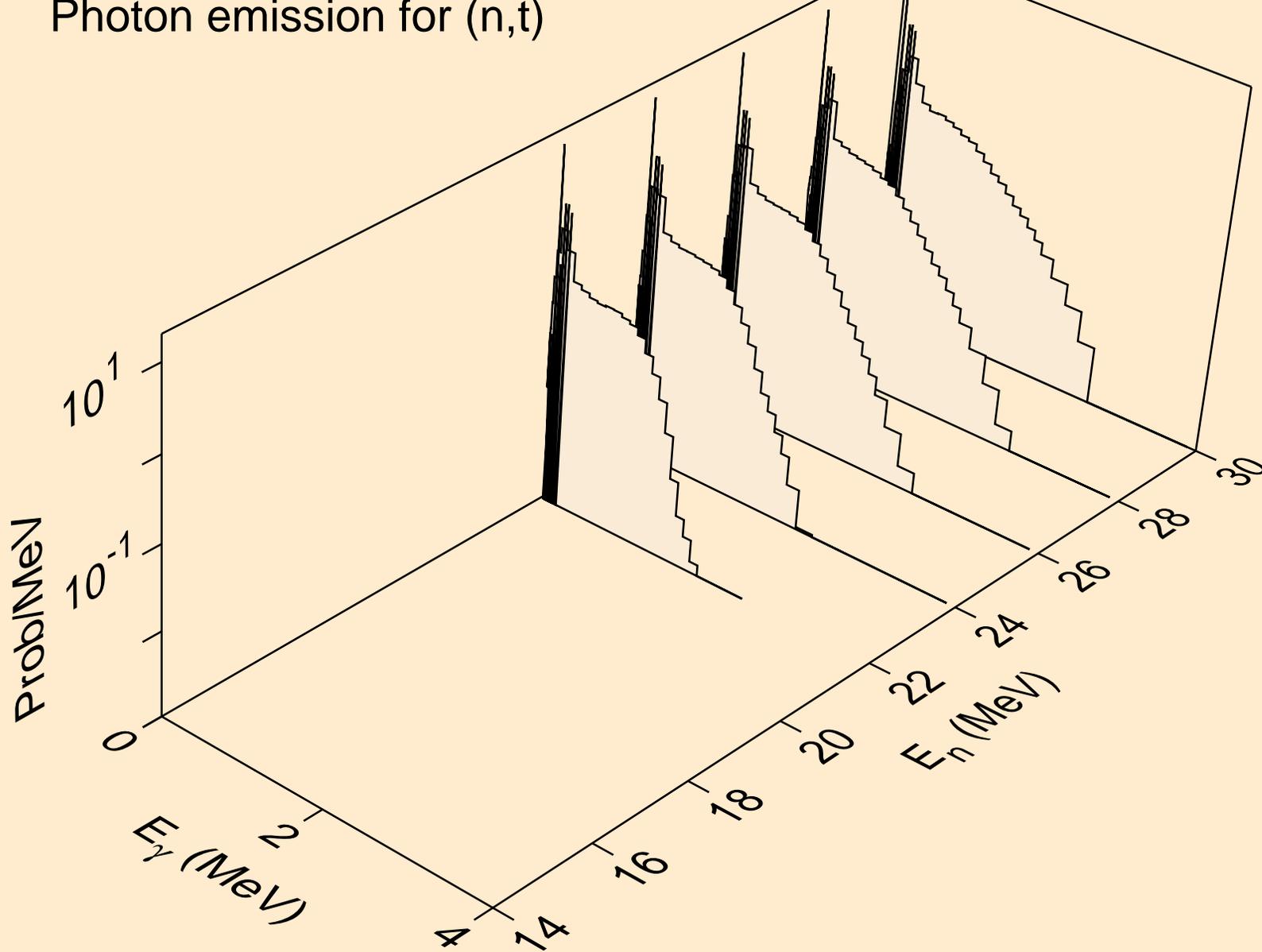Photon emission for (n,n*)p

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
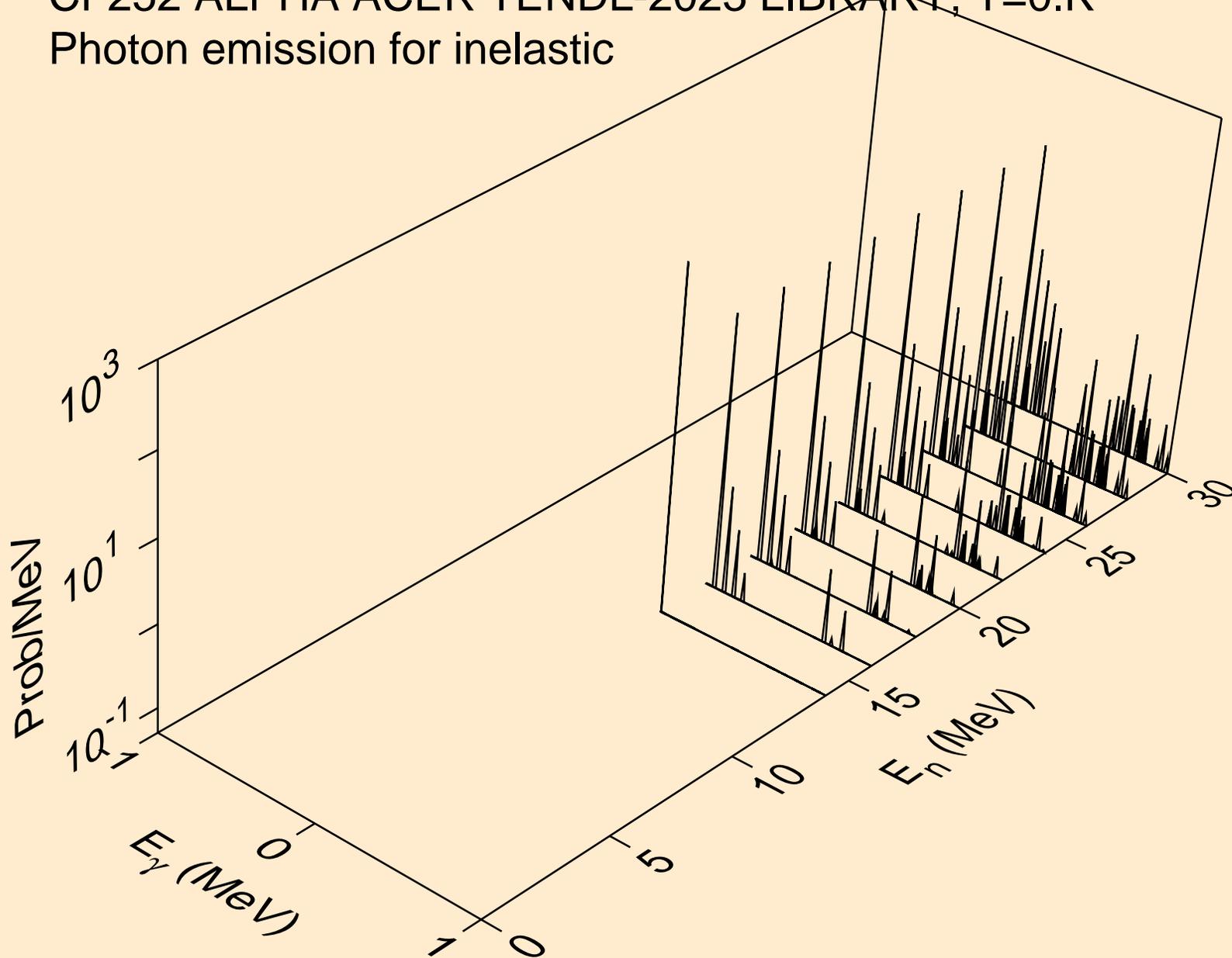Photon emission for (n,p)

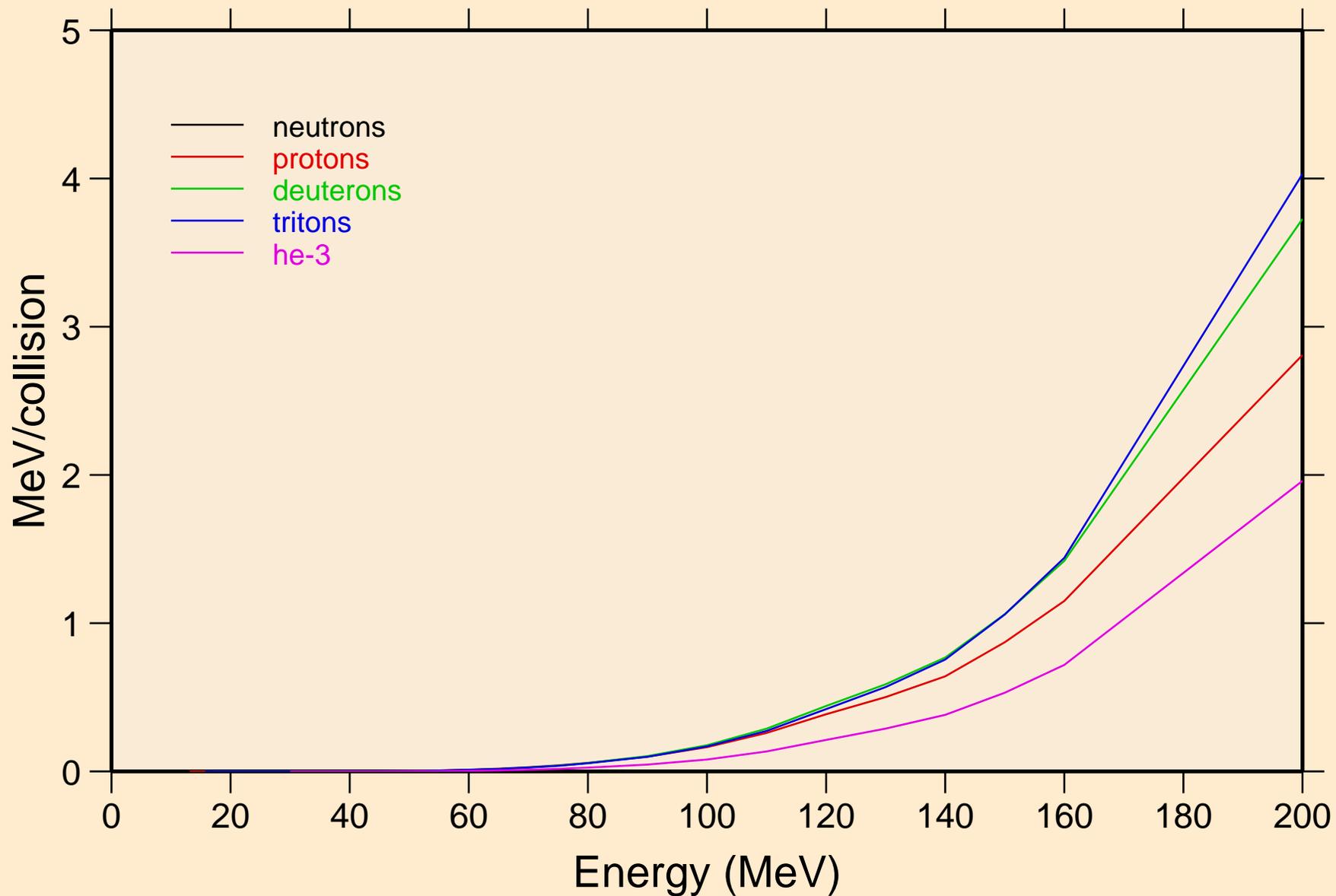CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,d)

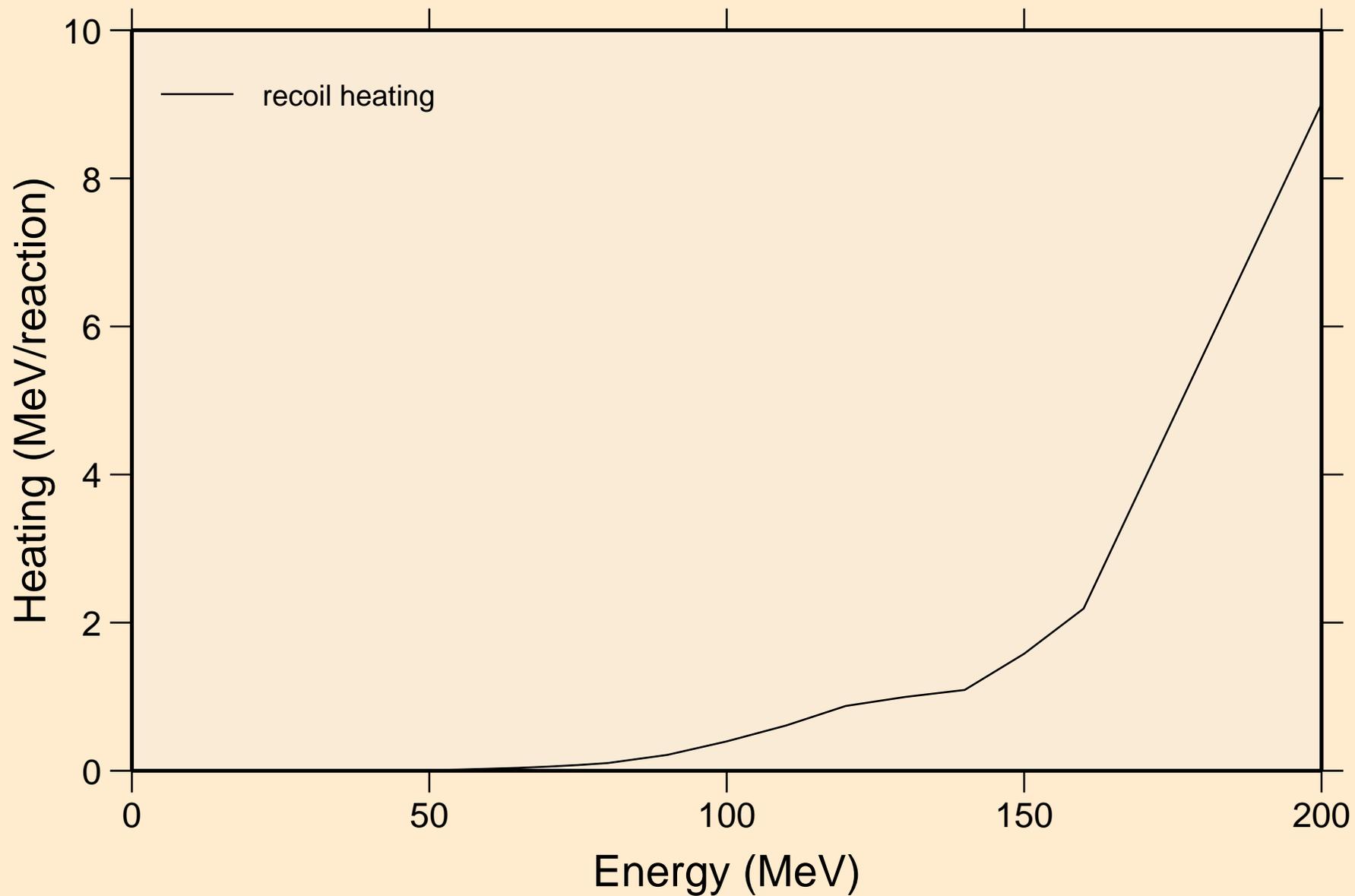CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for (n,t)

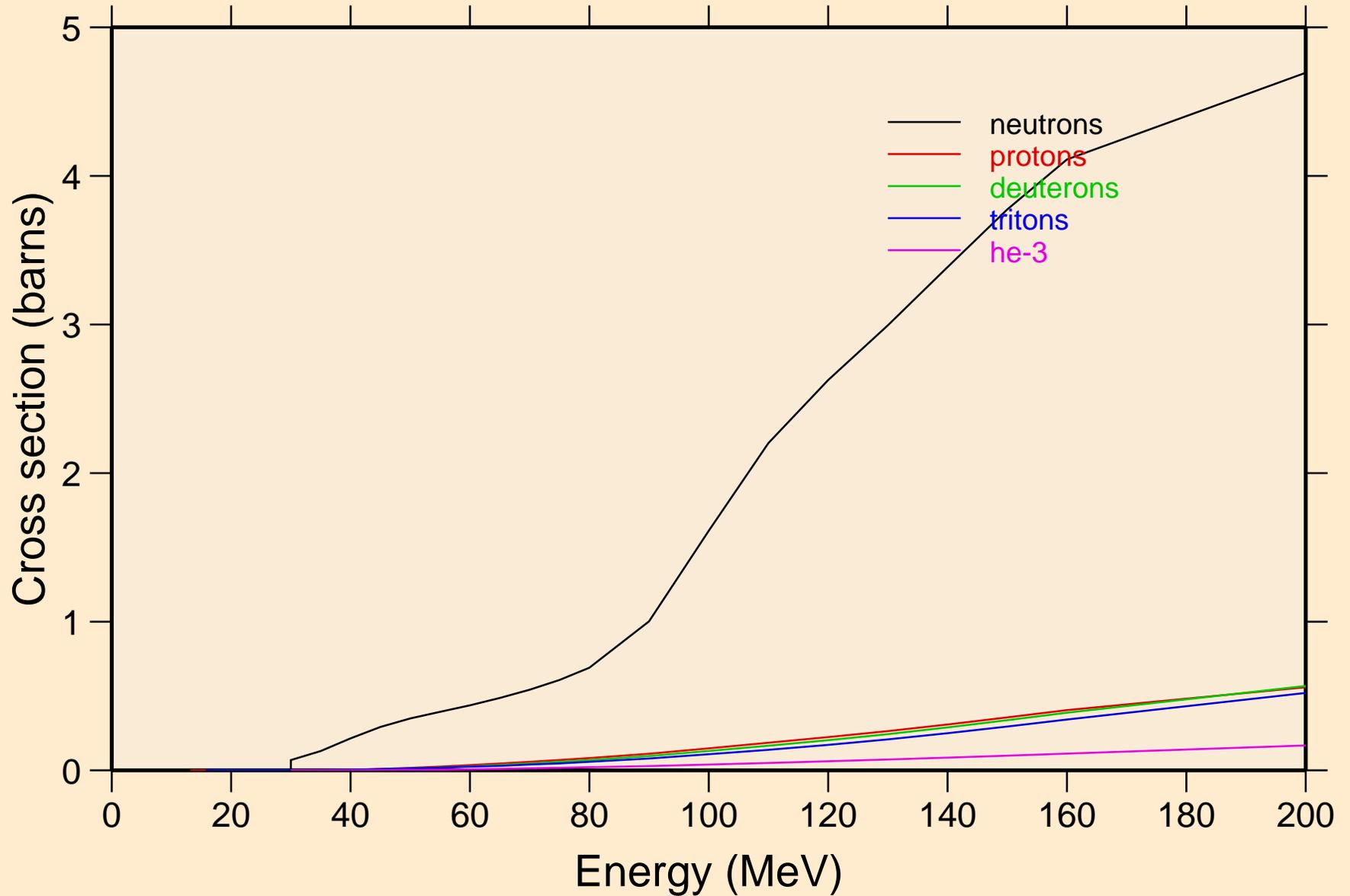CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Photon emission for inelastic

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Particle heating contributions

neutrons
protons
deuterons
tritons
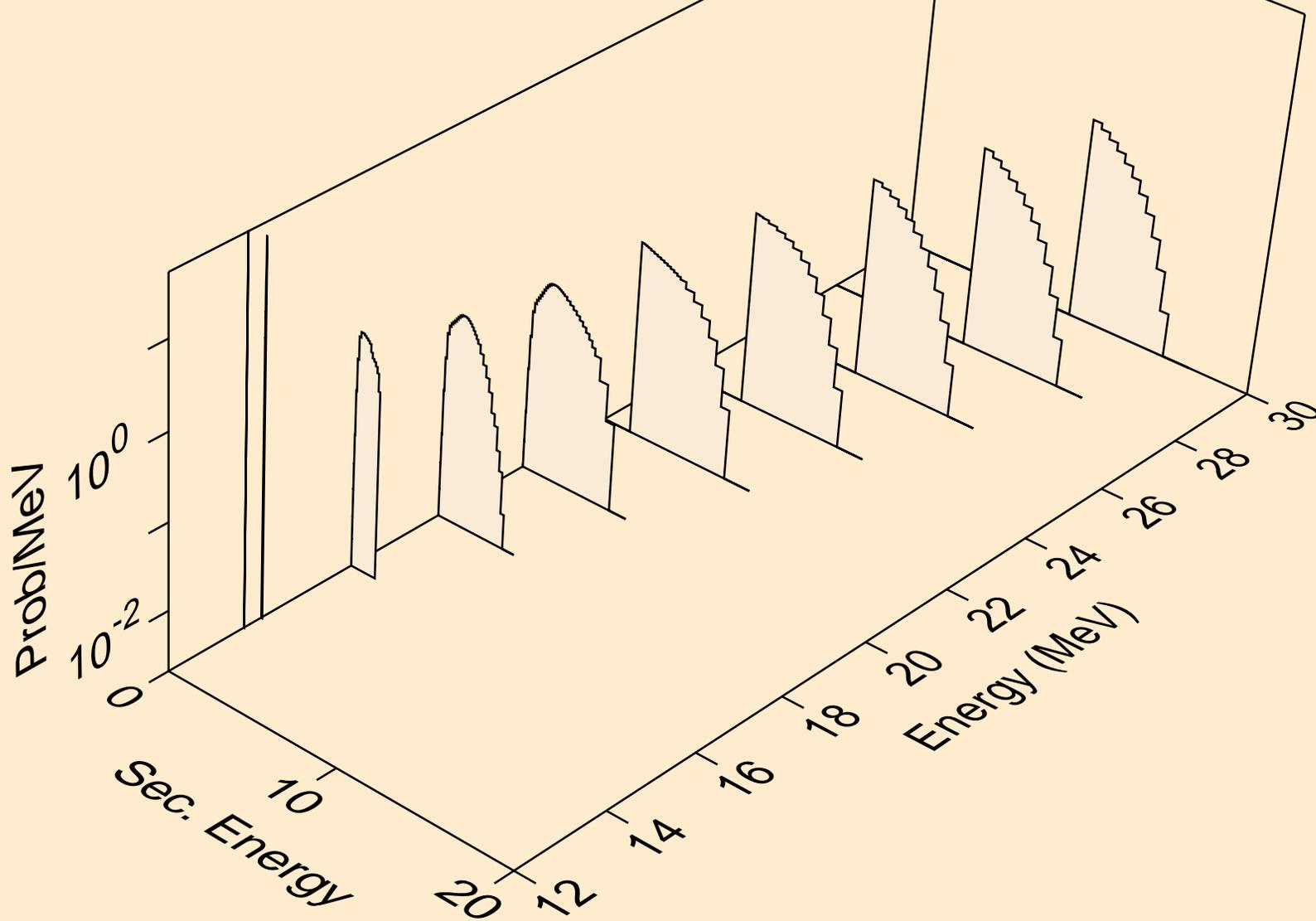he-3

MeV/collision

Energy (MeV)

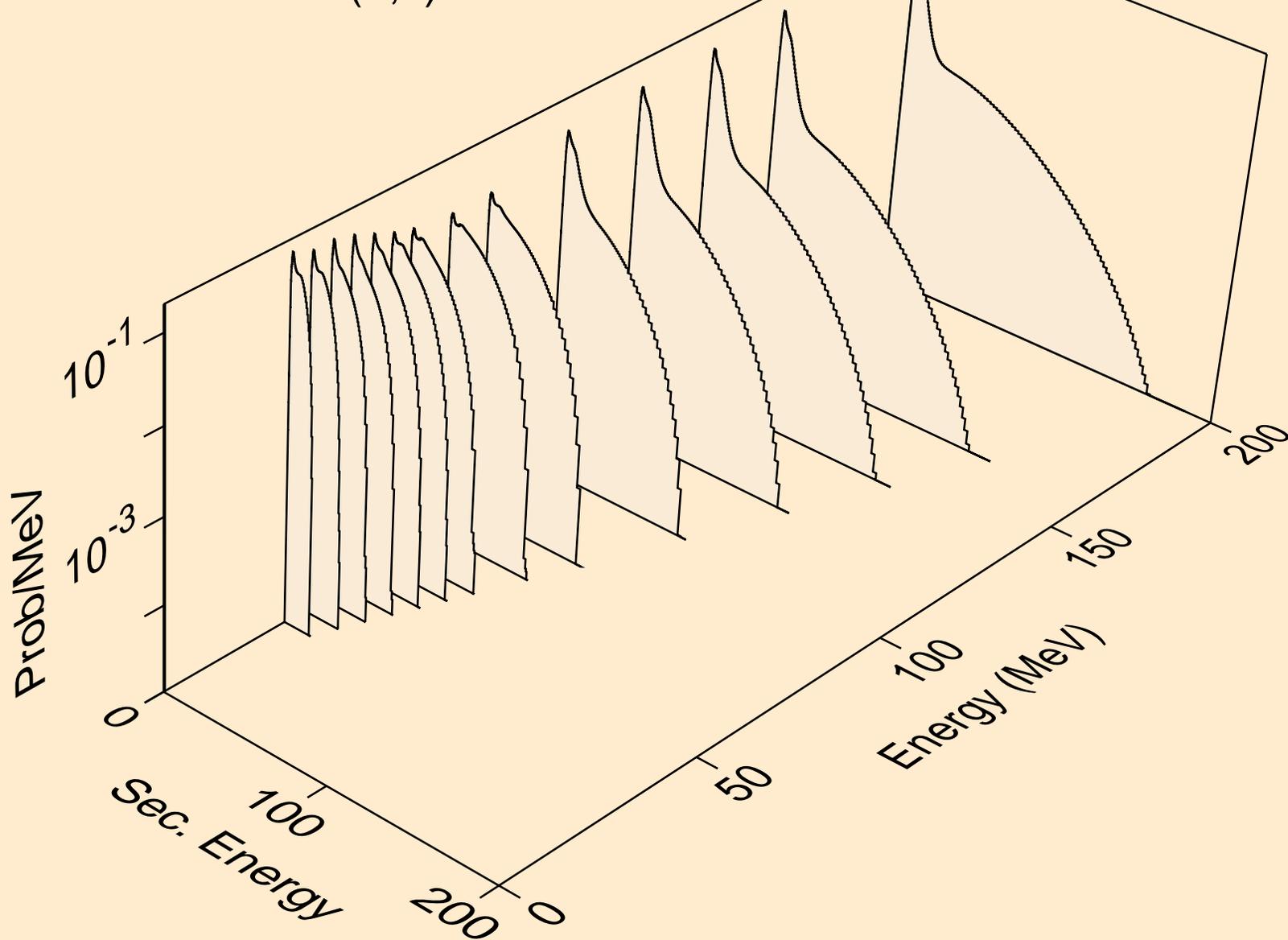CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
Recoil Heating

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
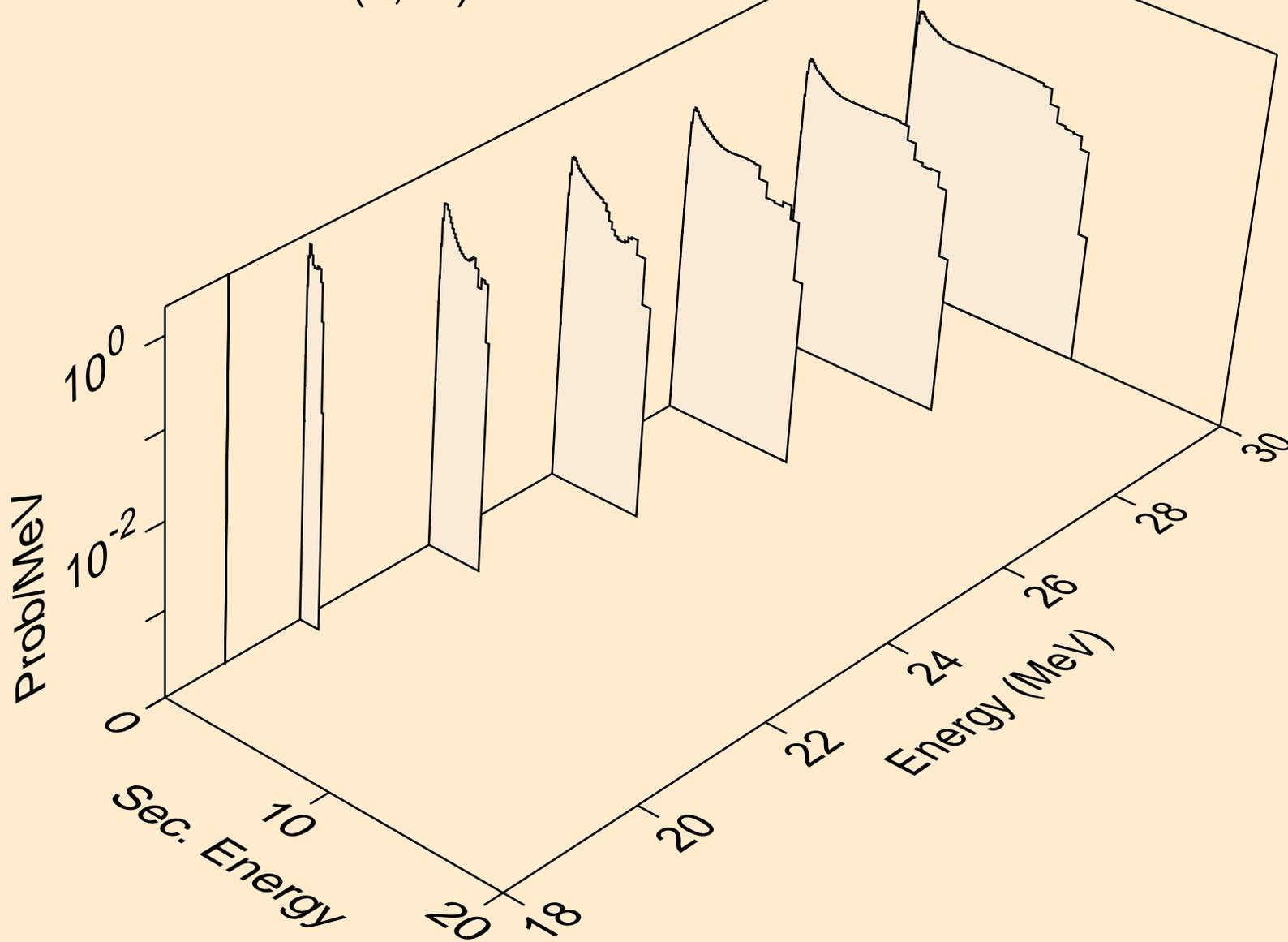Particle production cross sections

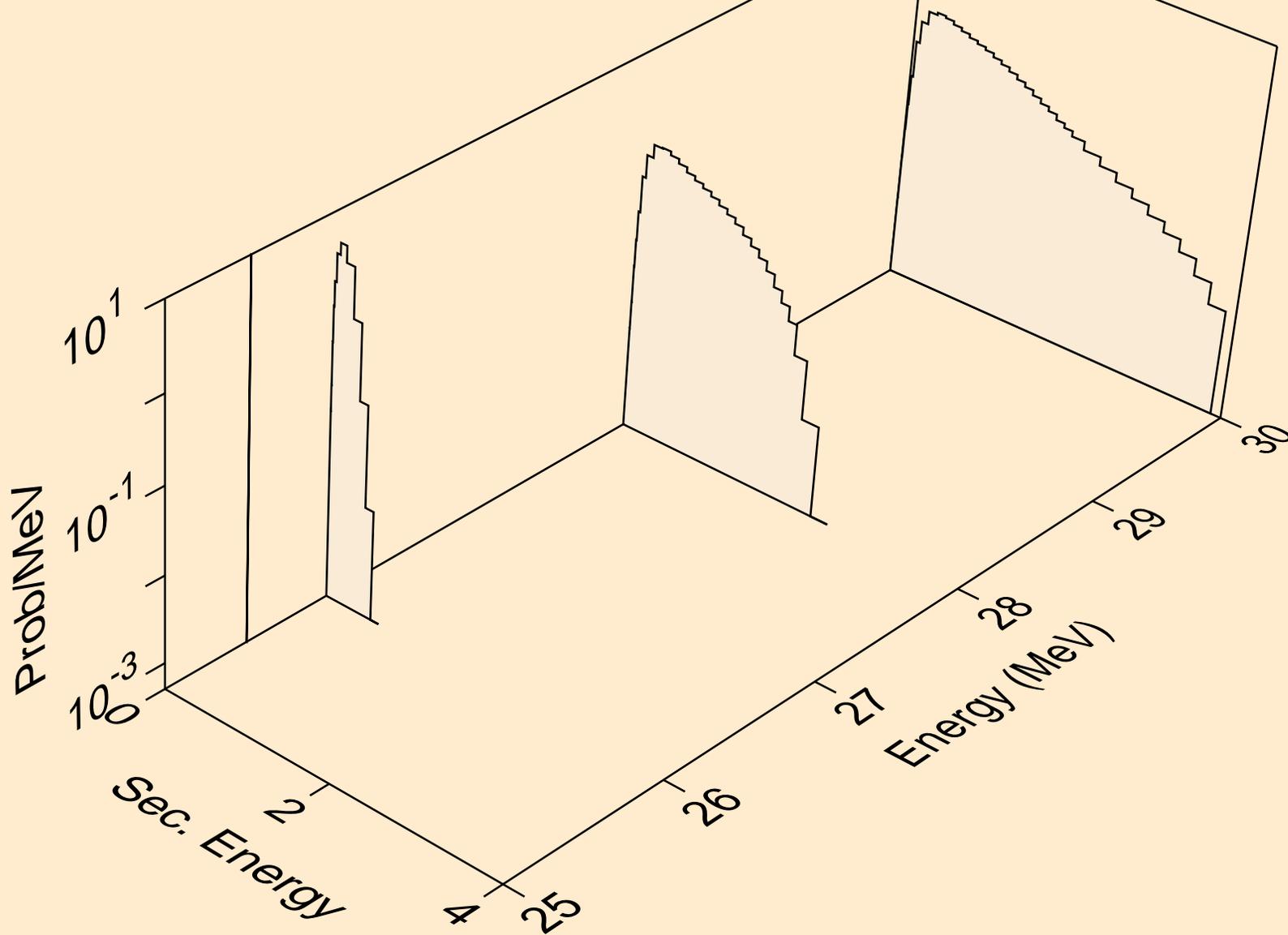CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n)

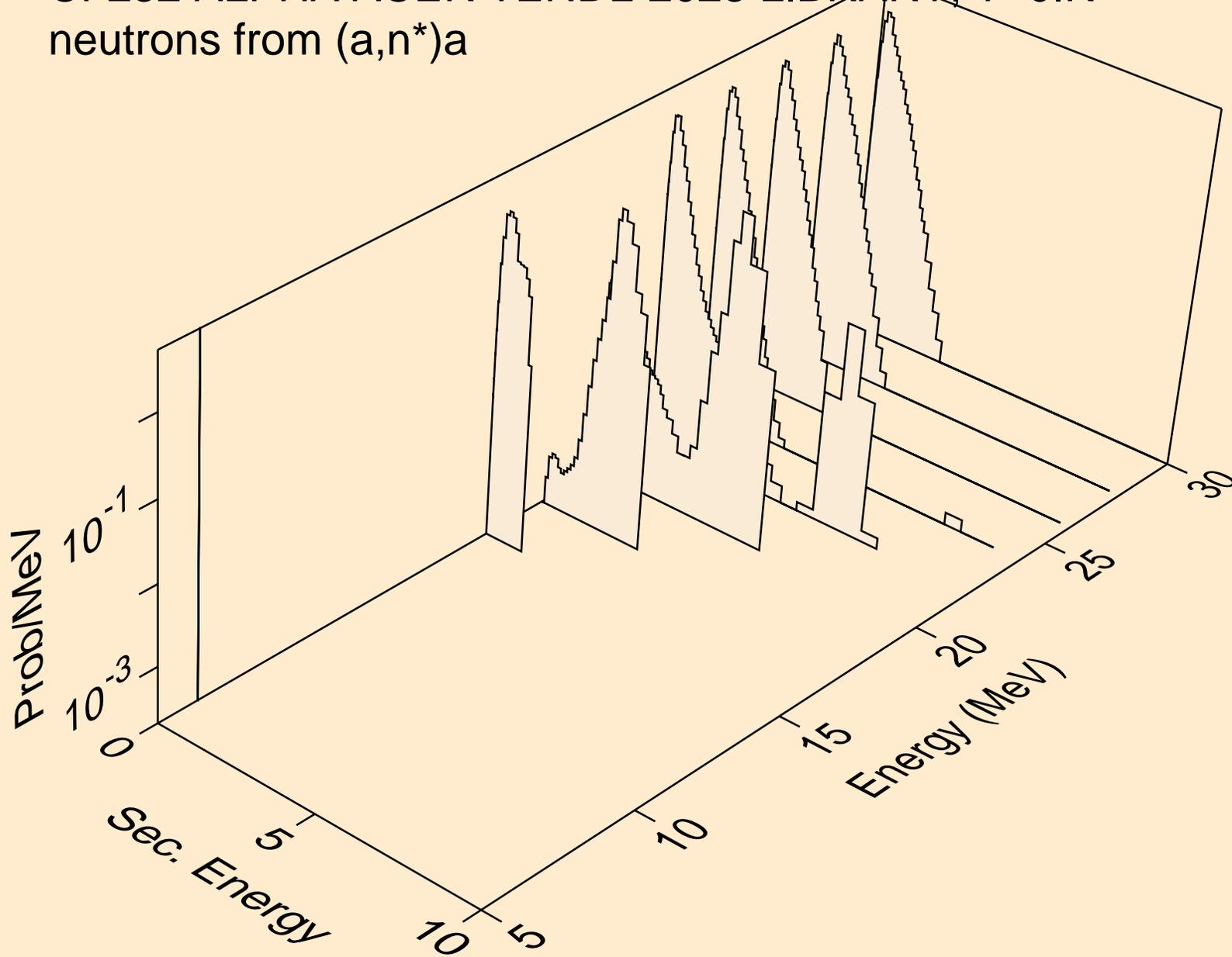CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,x)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
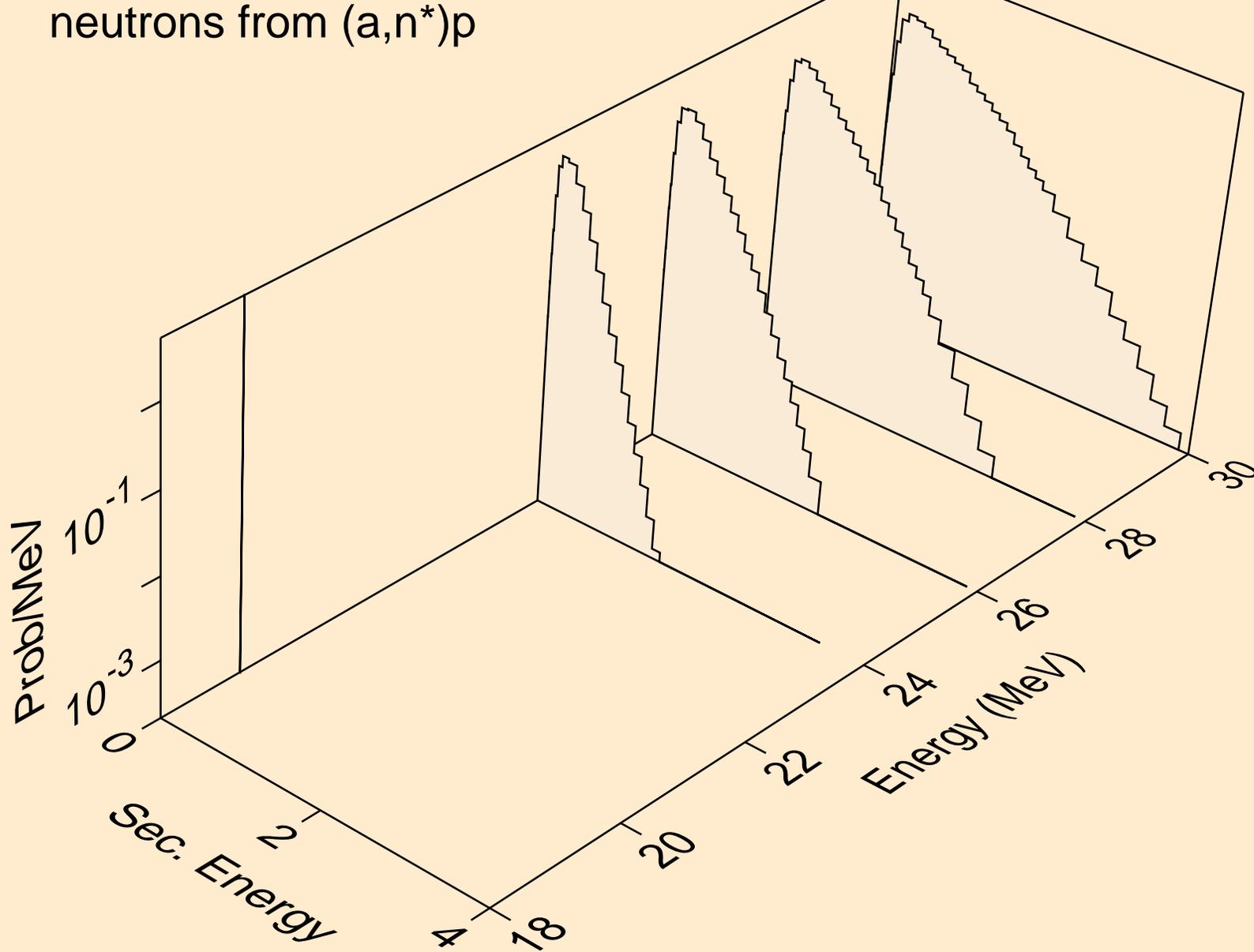neutrons from (a,2n)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
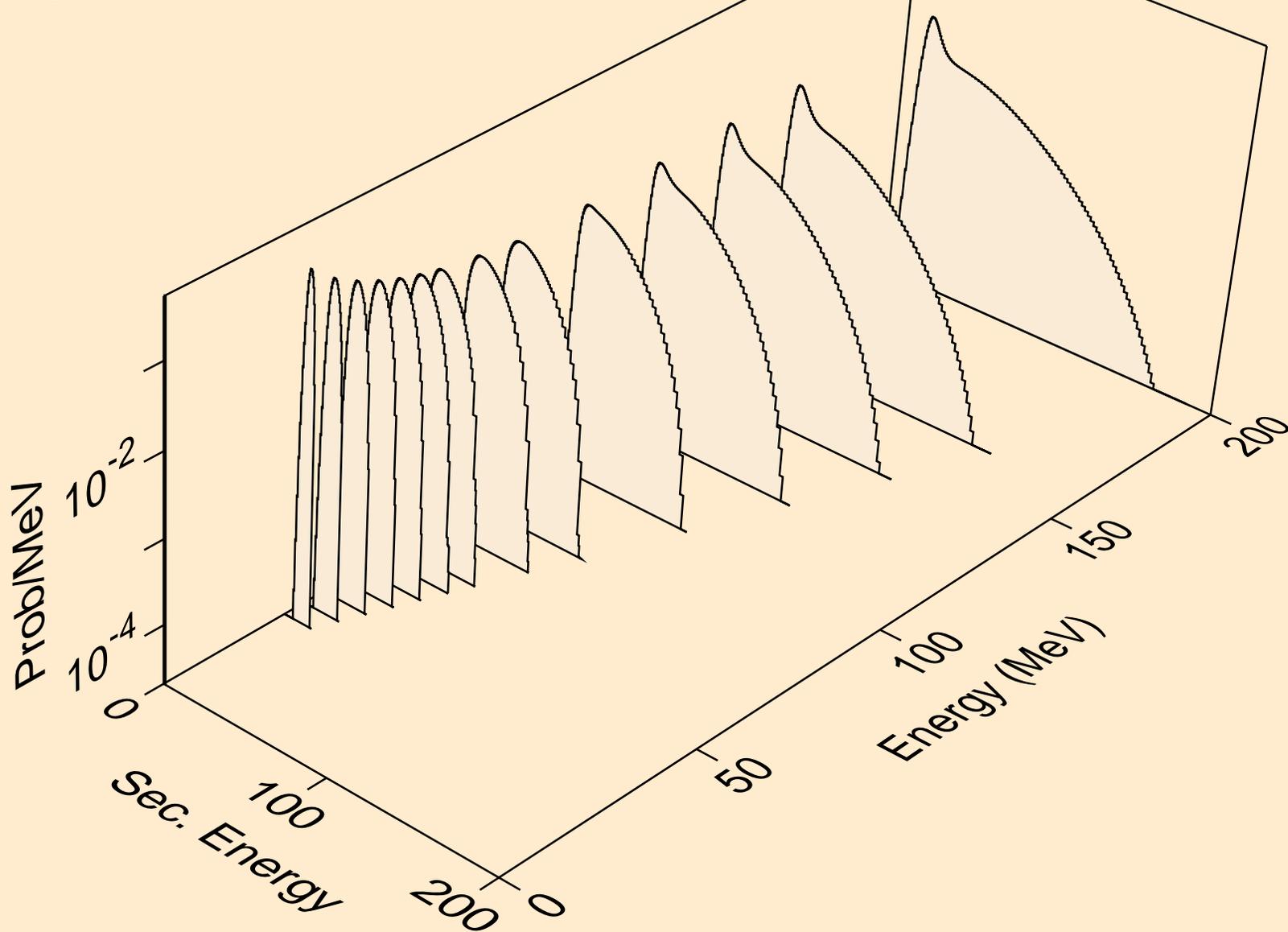neutrons from (a,3n)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
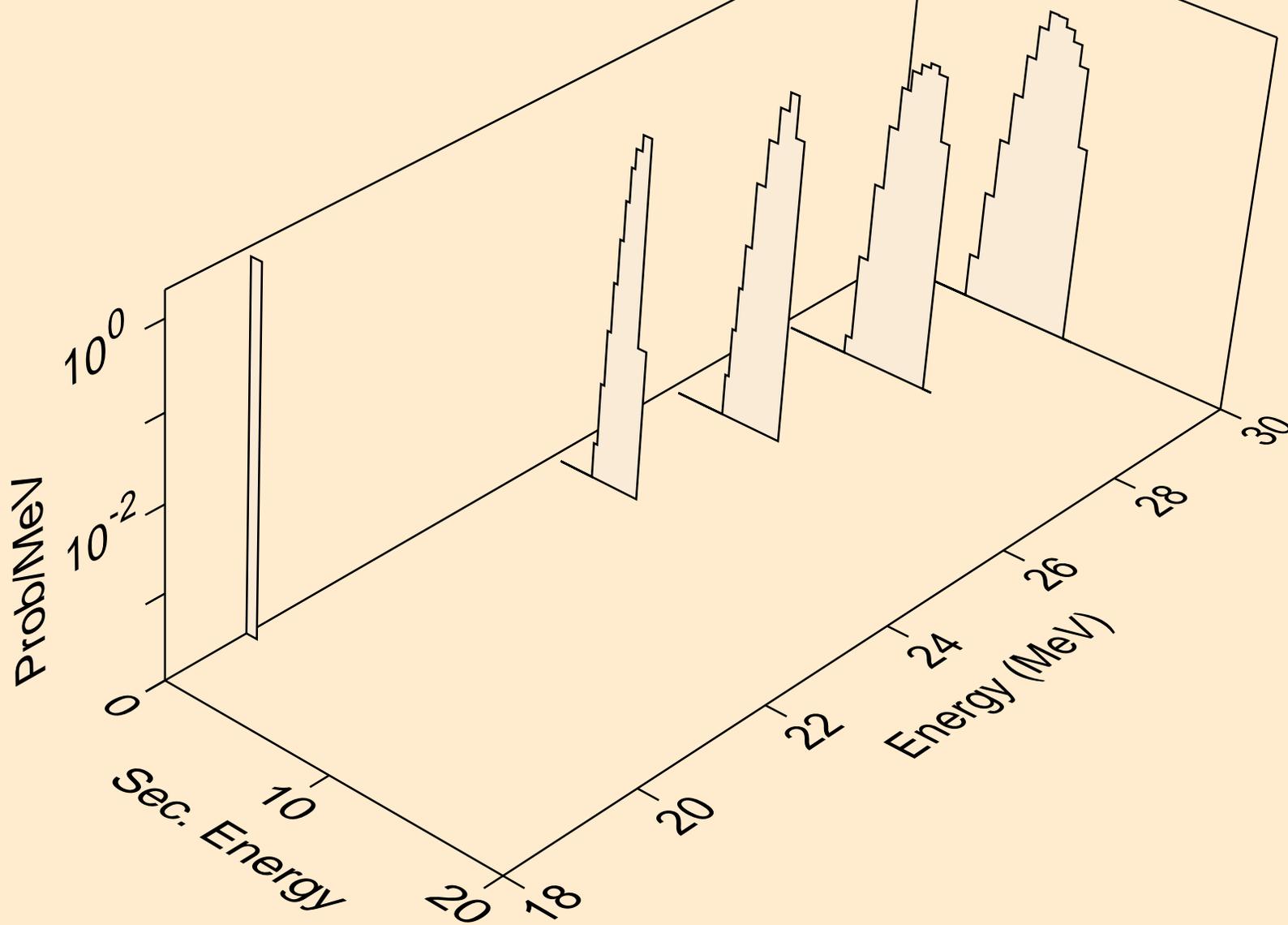neutrons from (a,n*)a

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
neutrons from (a,n*)p

Prob/MeV

10^{-1}
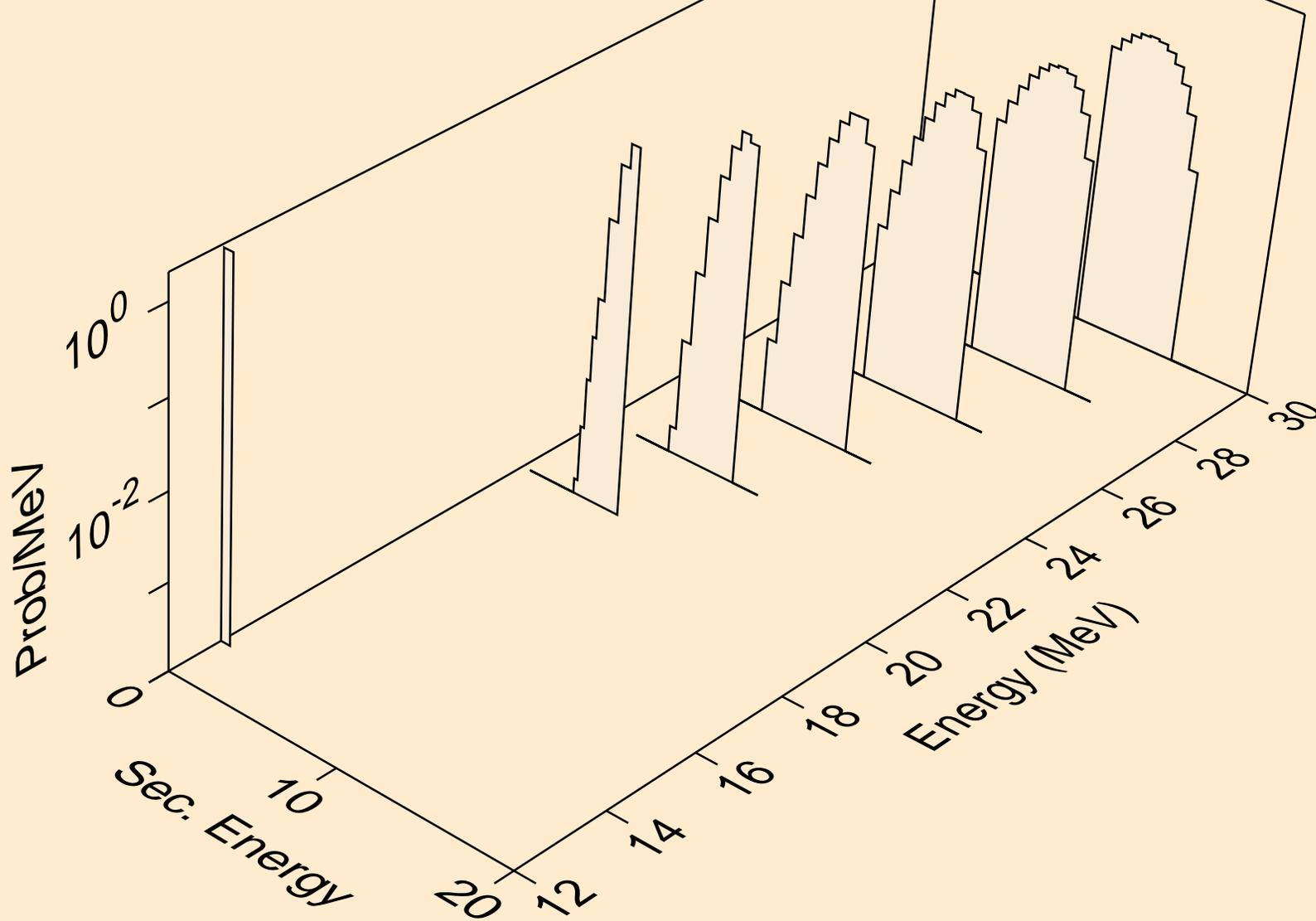
10^{-3}

Sec. Energy

Energy (MeV)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
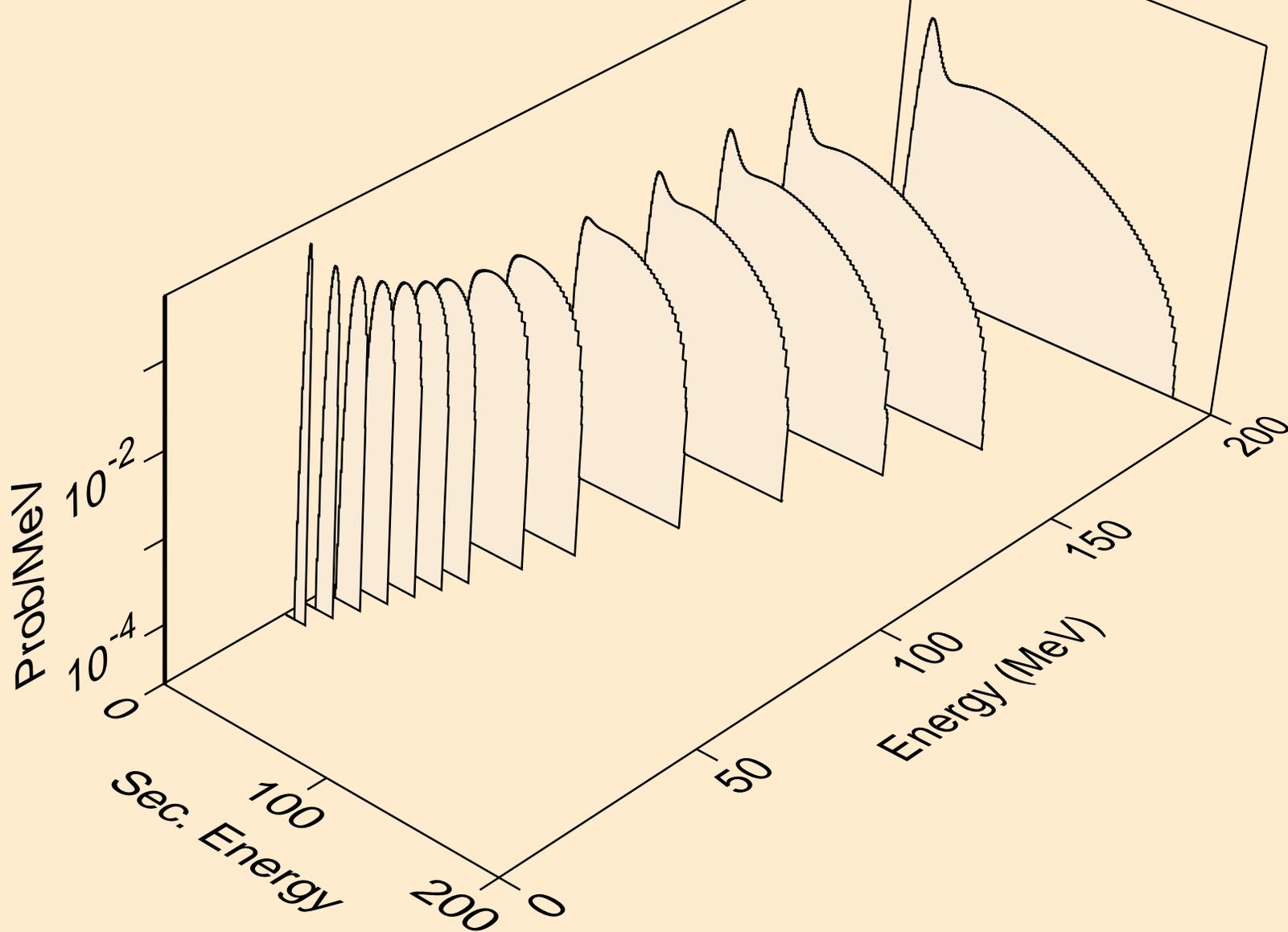protons from (a,x)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
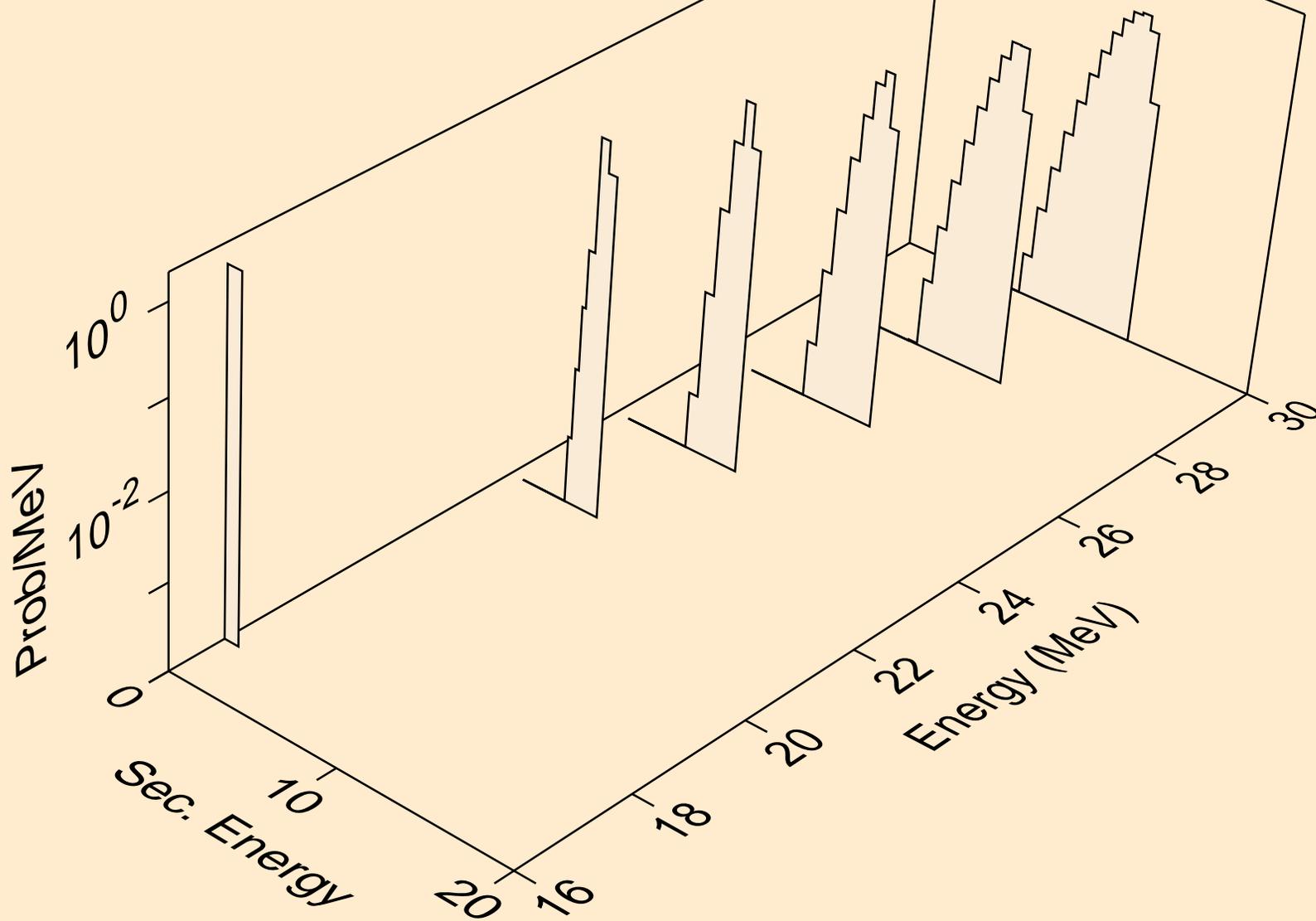protons from (a,n*)p

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
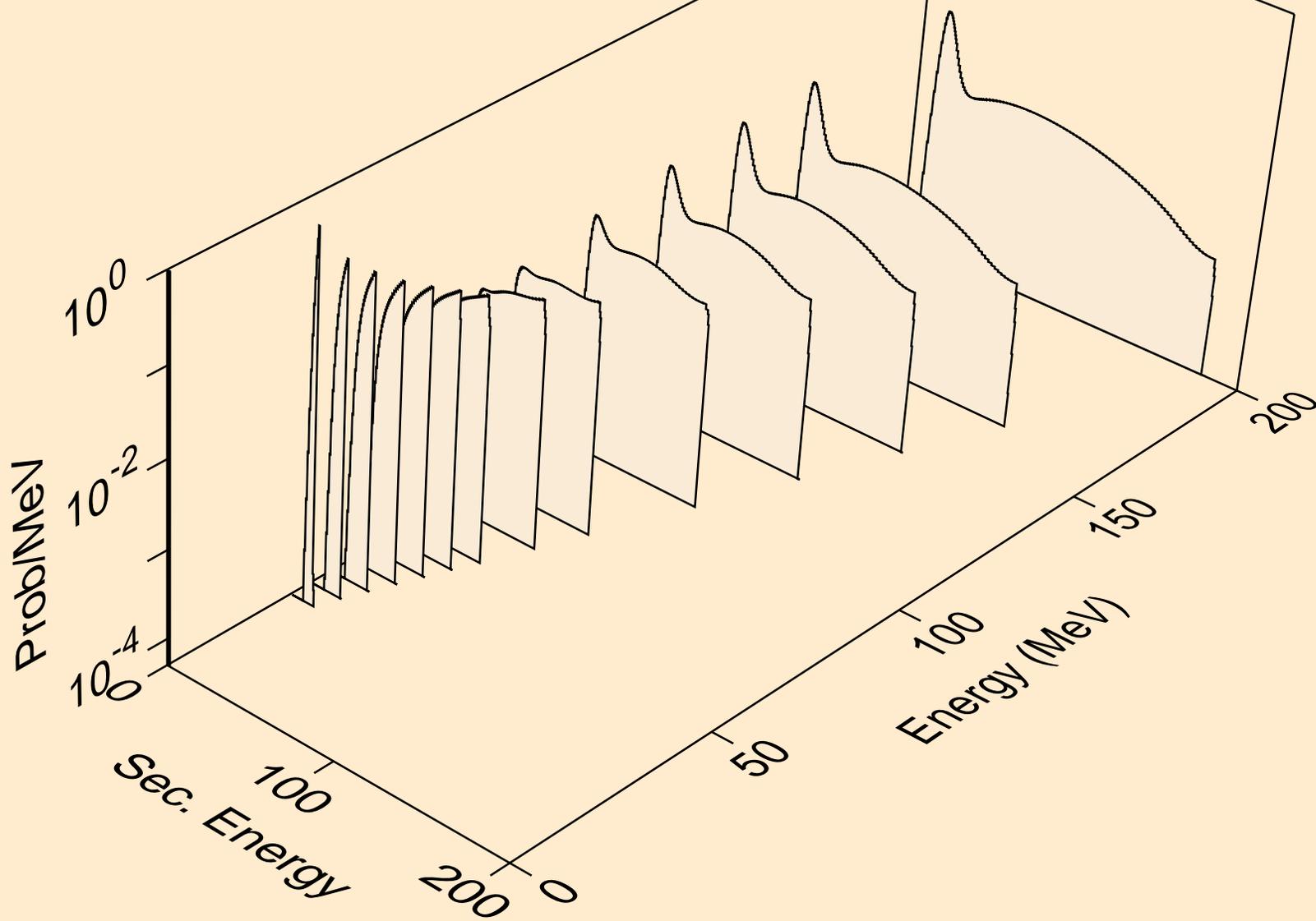protons from (a,p)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
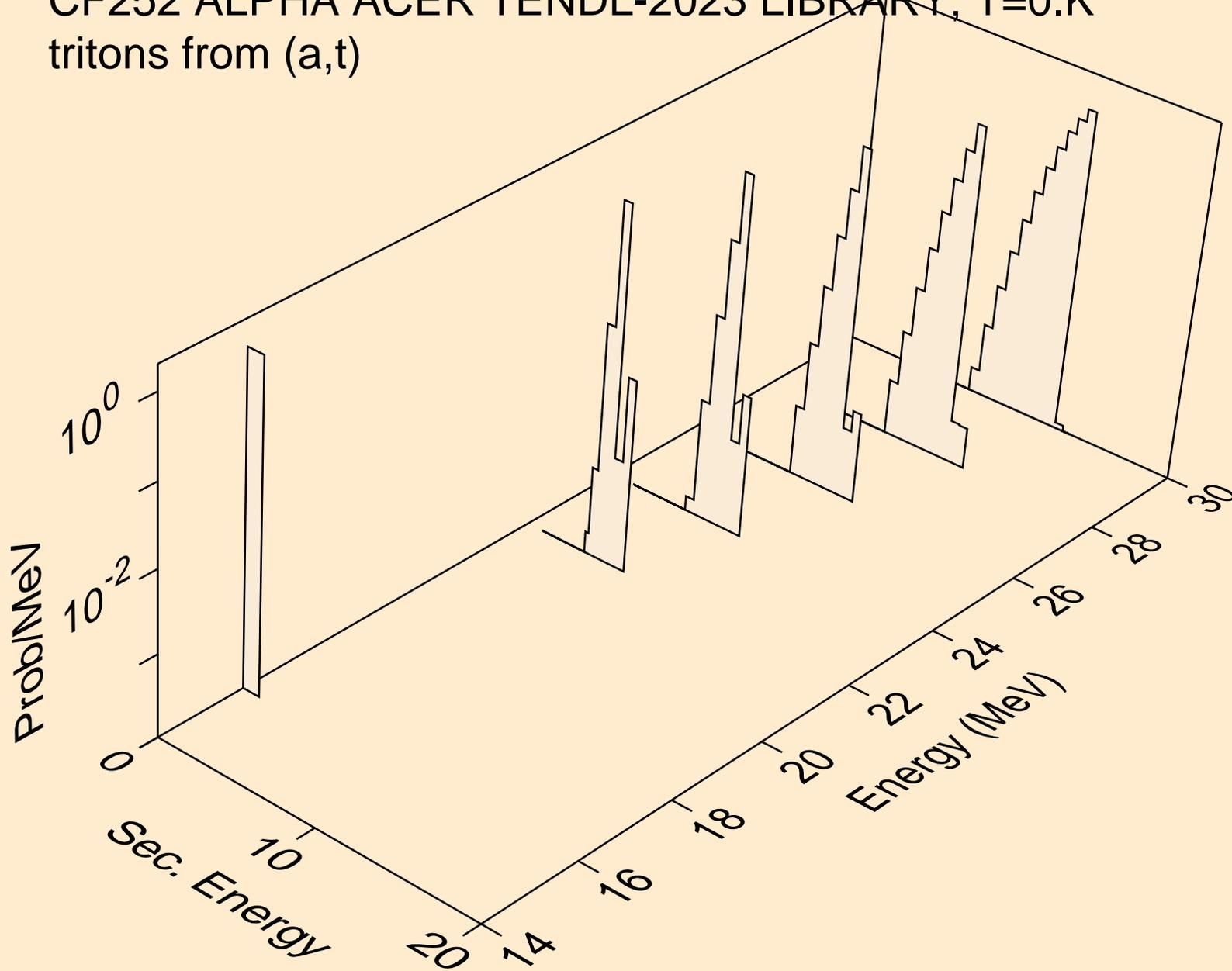deuterons from (a,x)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
deuterons from (a,d)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,x)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
tritons from (a,t)

CF252 ALPHA ACER TENDL-2023 LIBRARY; T=0.K
he3s from (a,x)