FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

- total
- absorption
- elastic
- gamma production

Cross section (barns)

Energy (MeV)
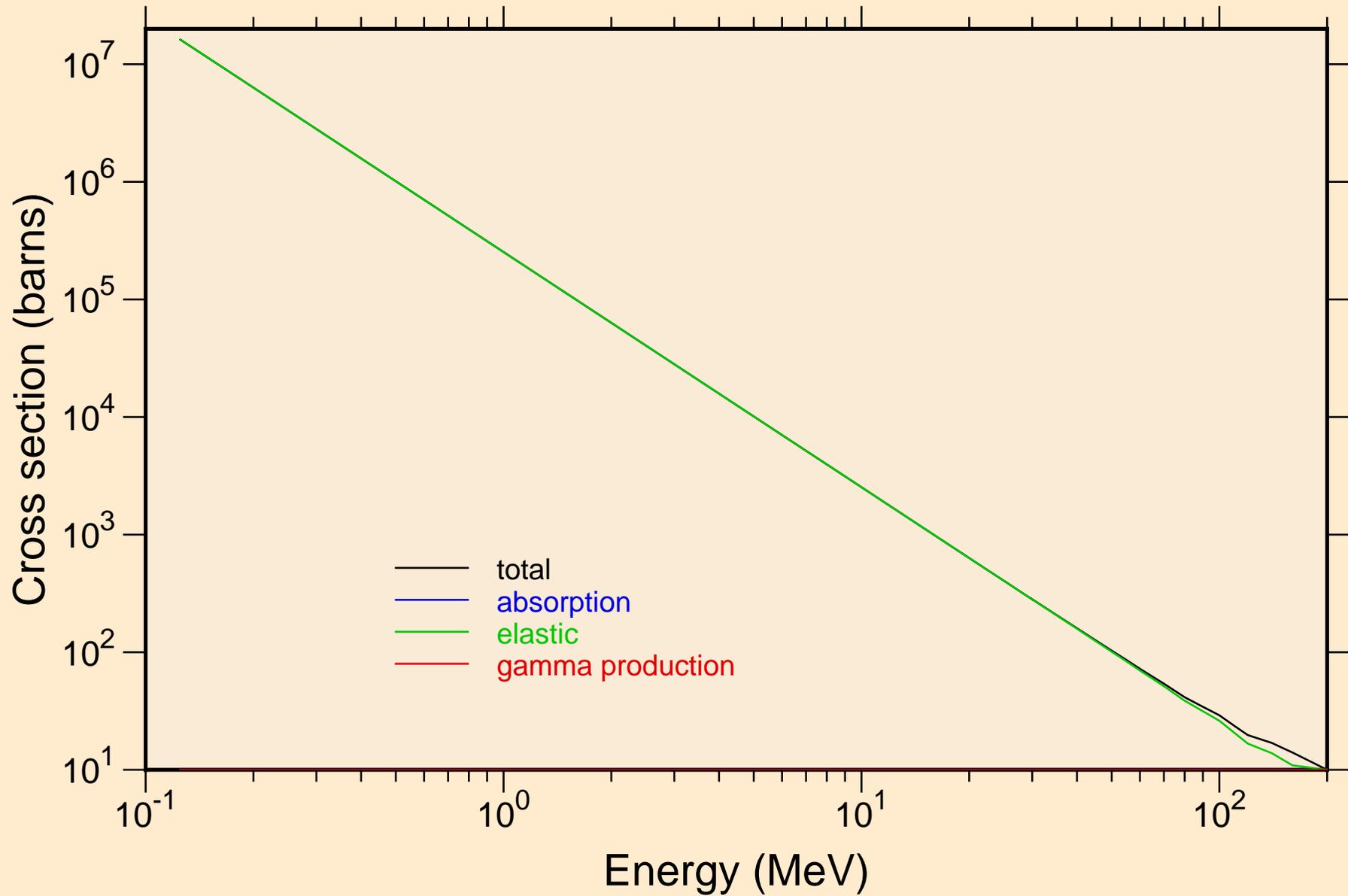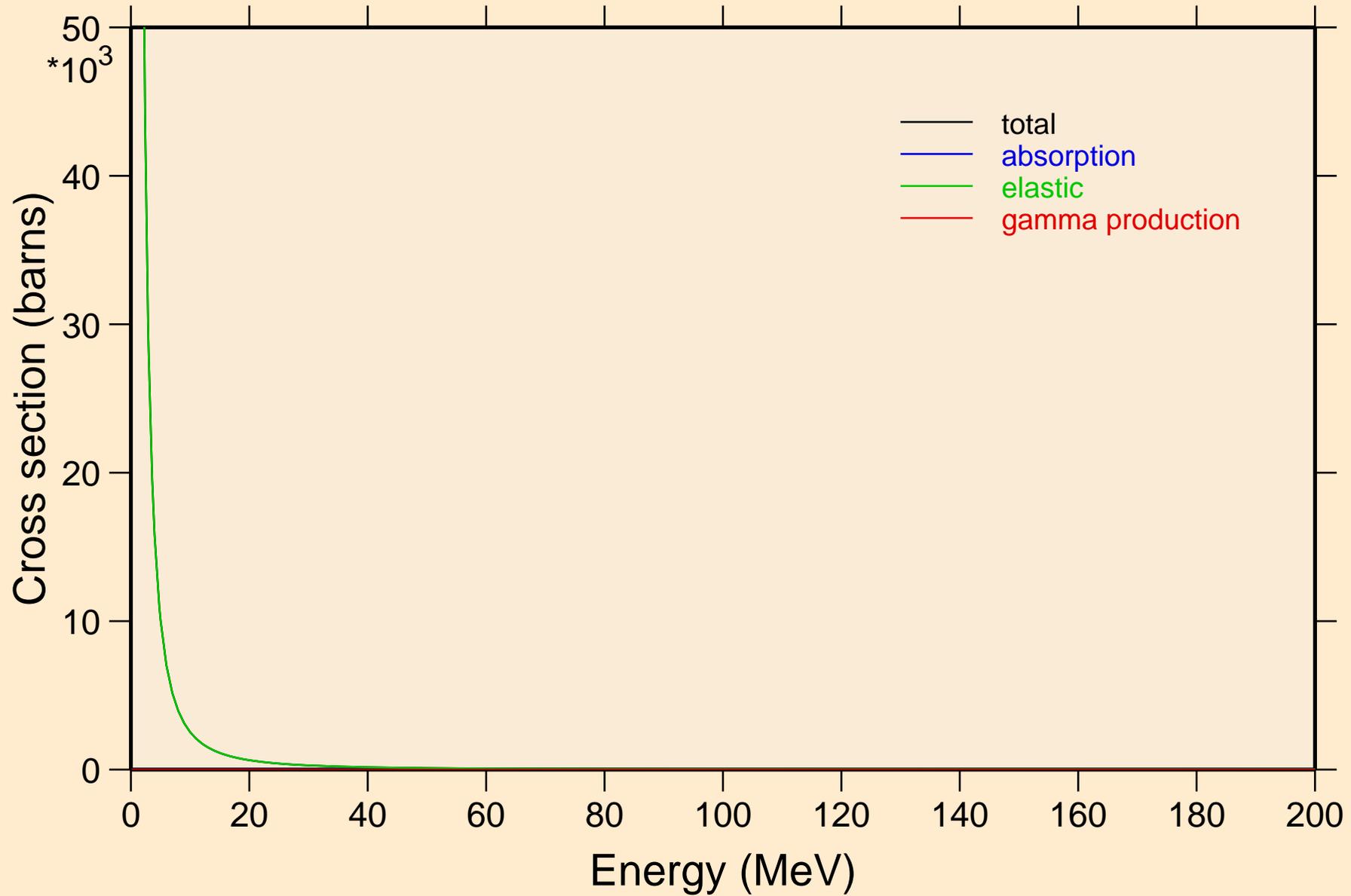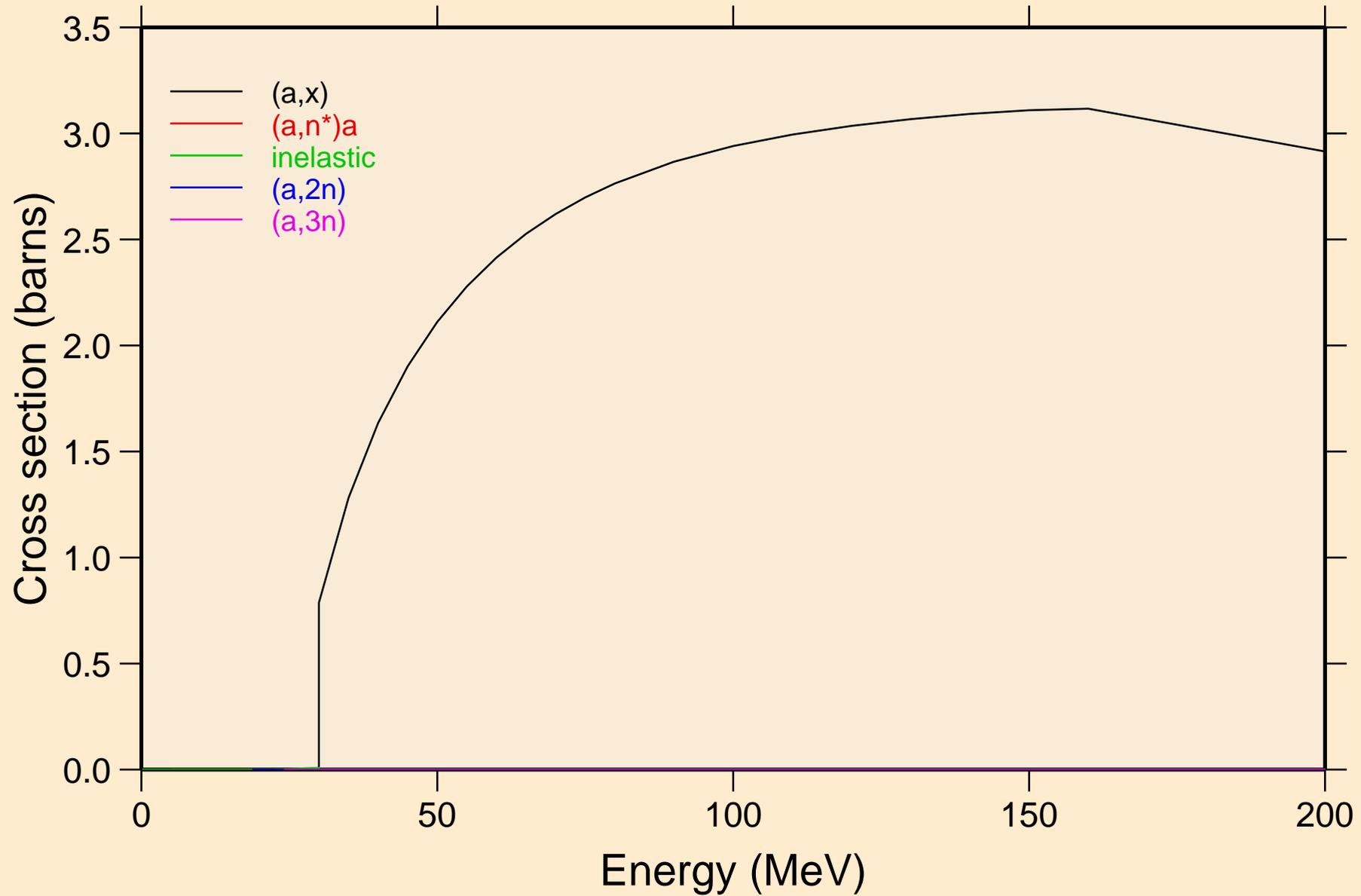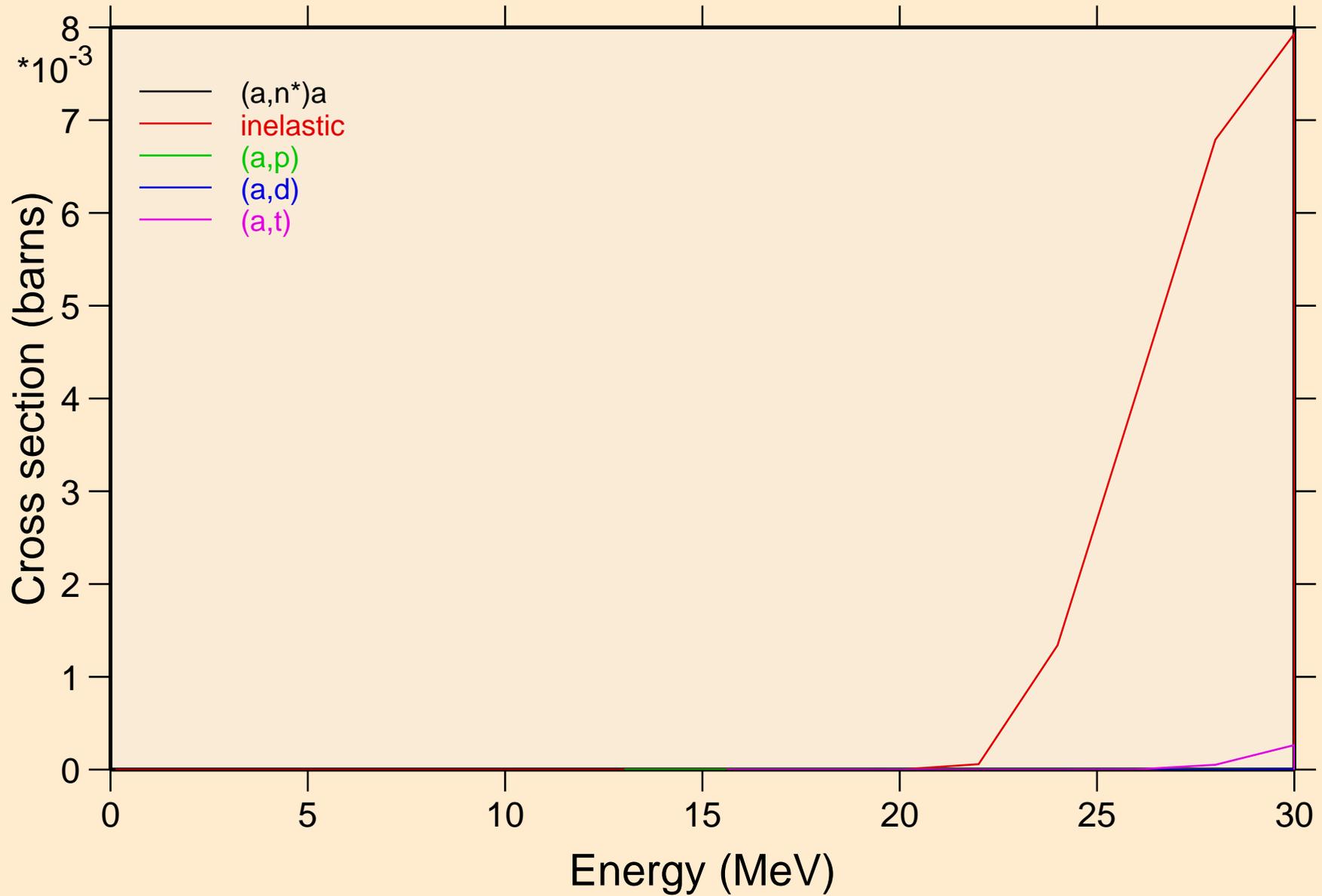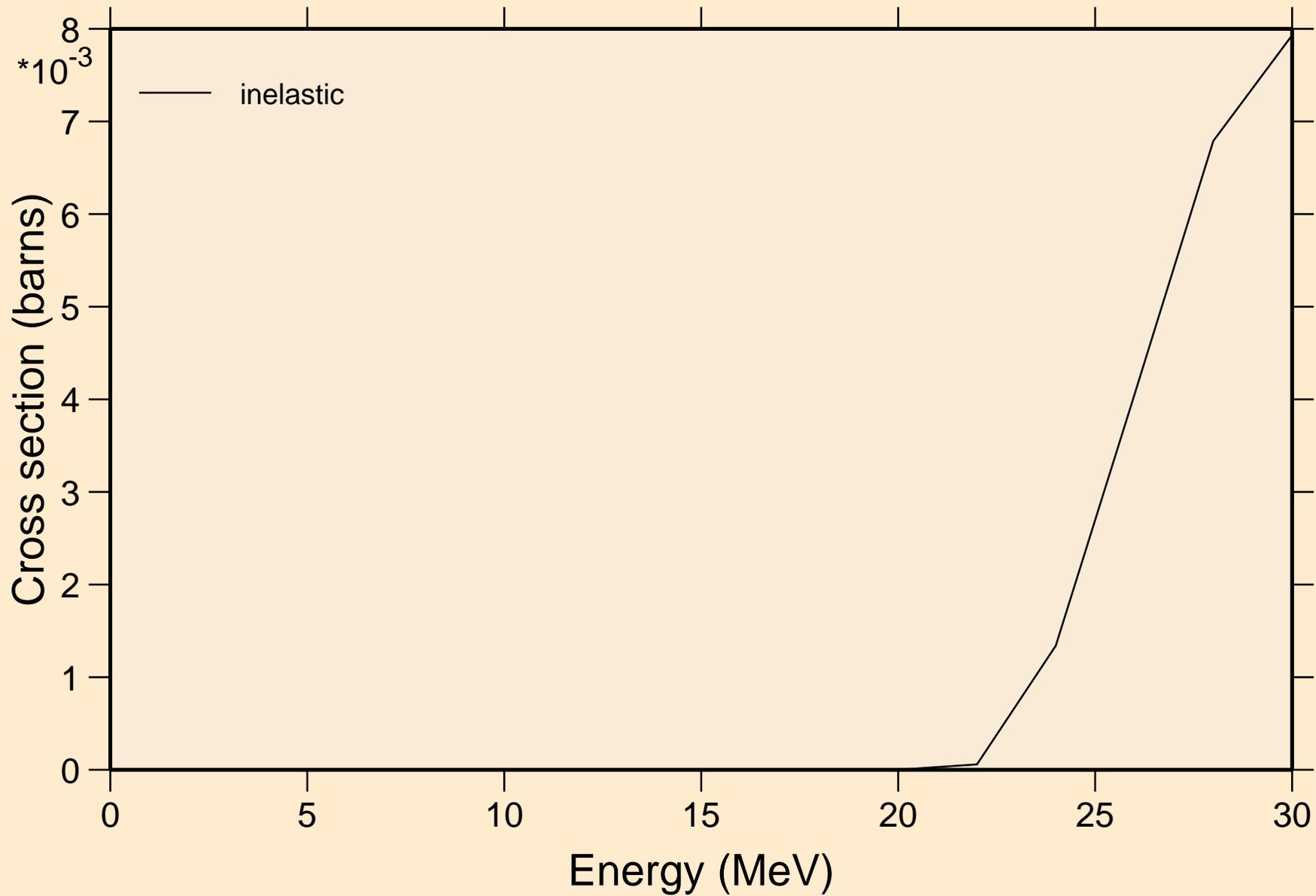
FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

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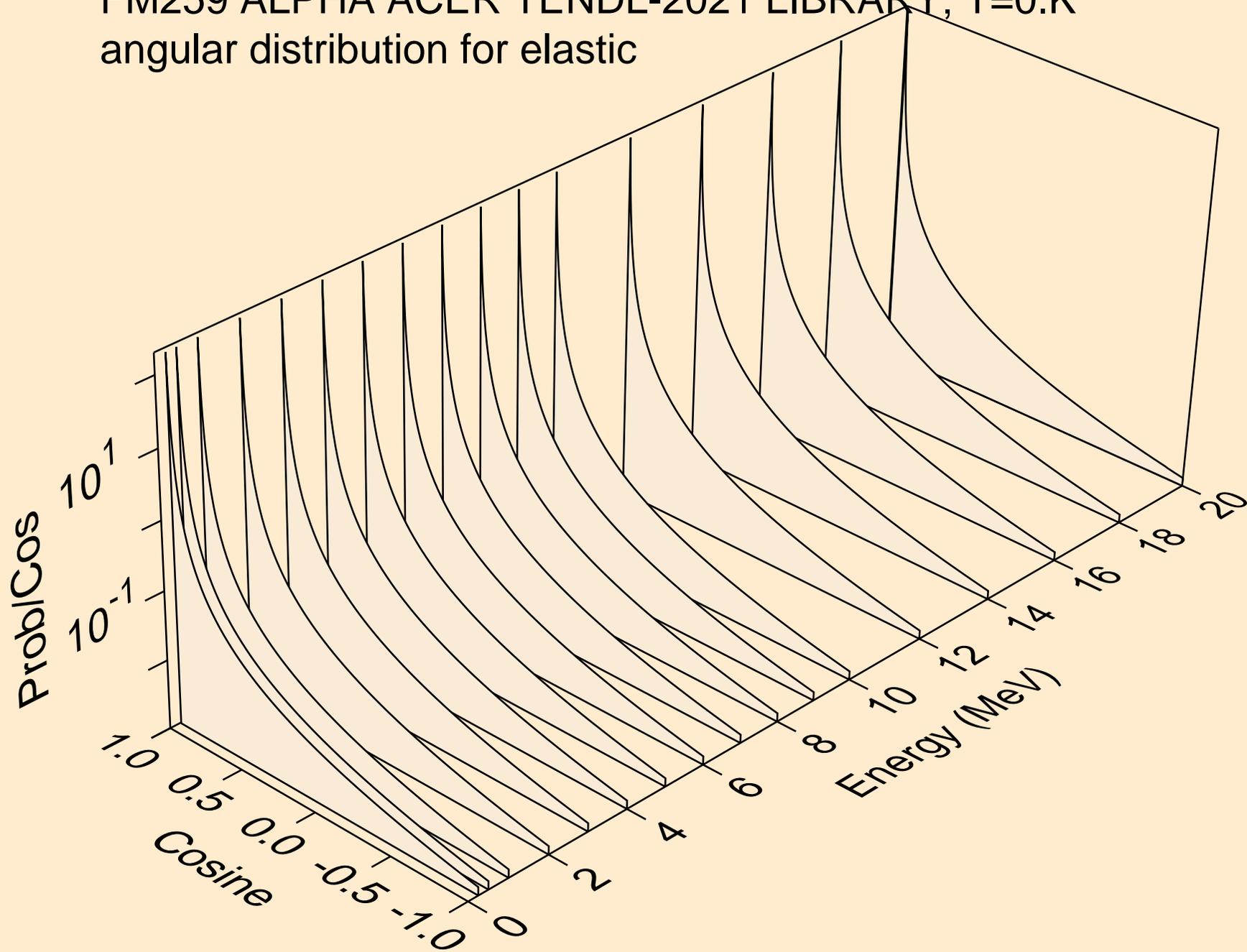- inelastic
- (a,2n)
- (a,3n)

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

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Cross section (barns)

*10⁻³

(a,n*)a
inelastic
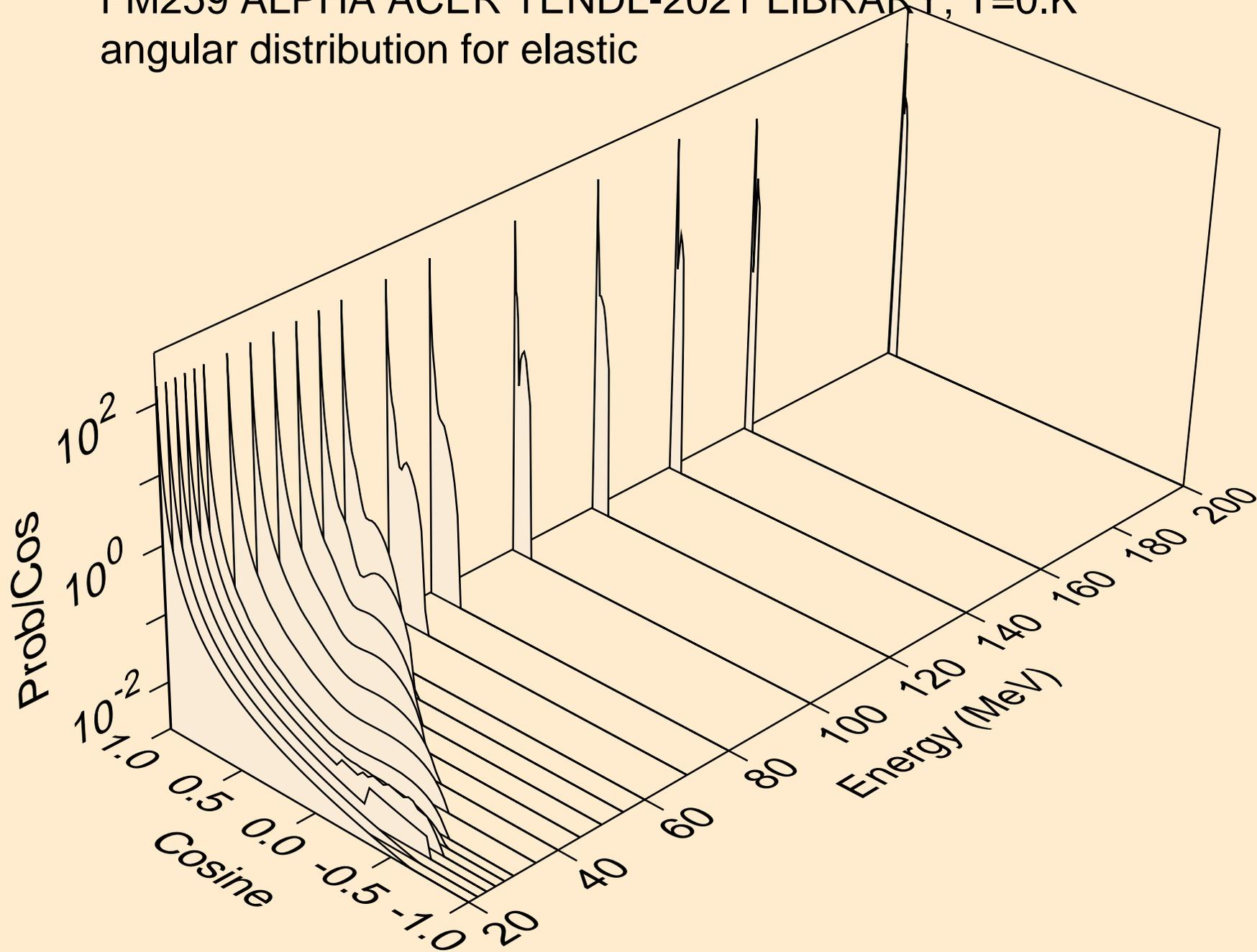(a,p)
(a,d)
(a,t)

Energy (MeV)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
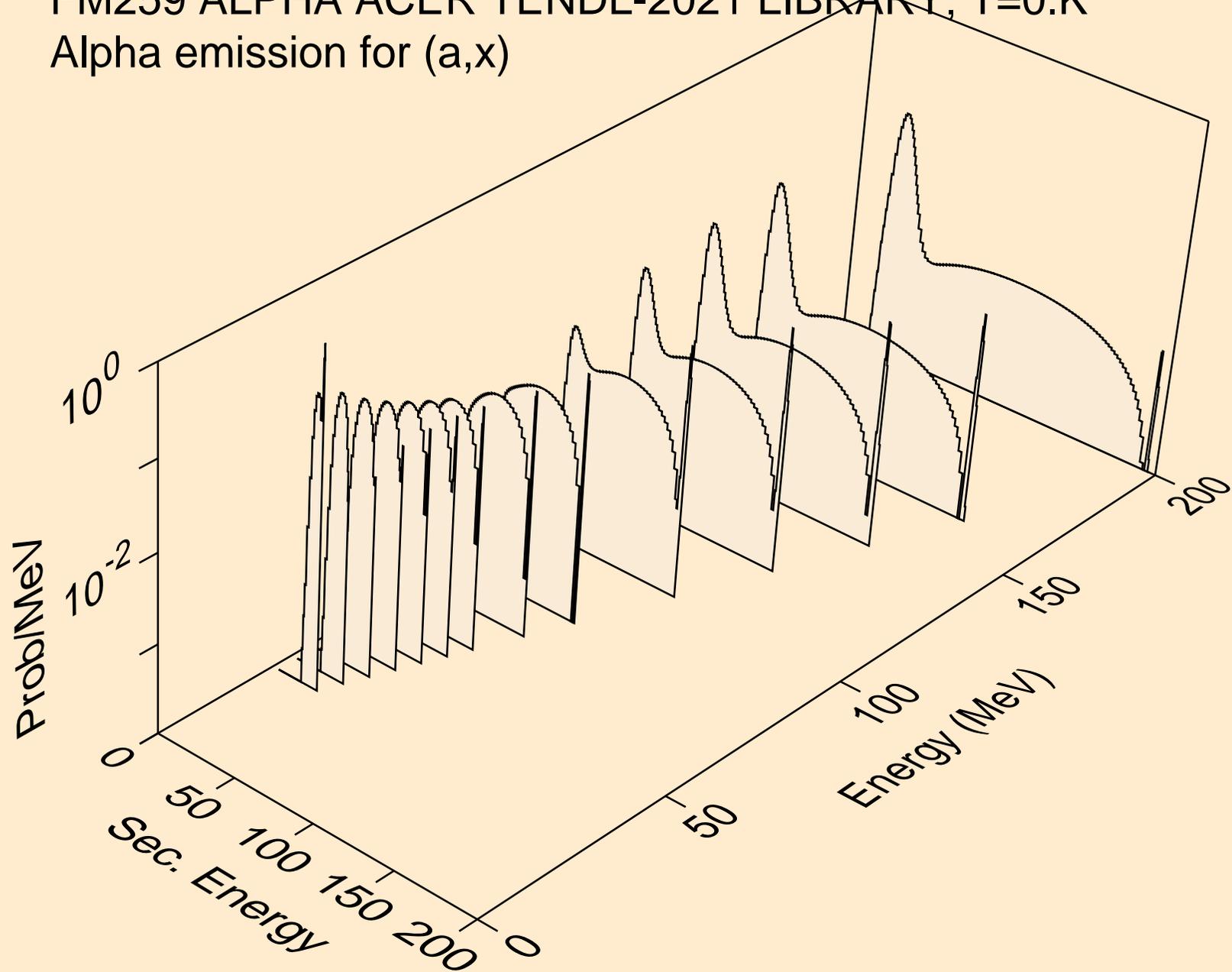Threshold reactions

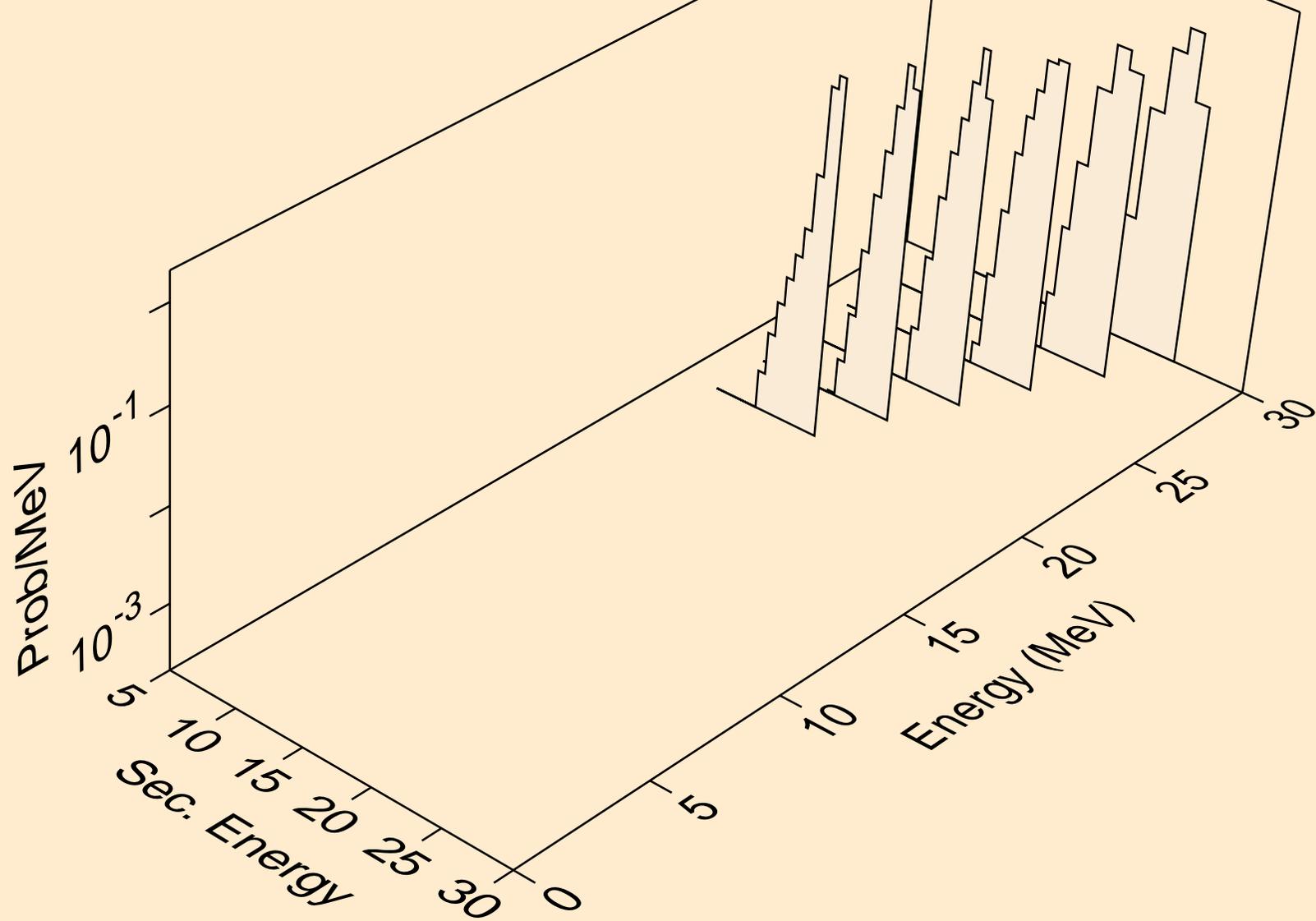FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

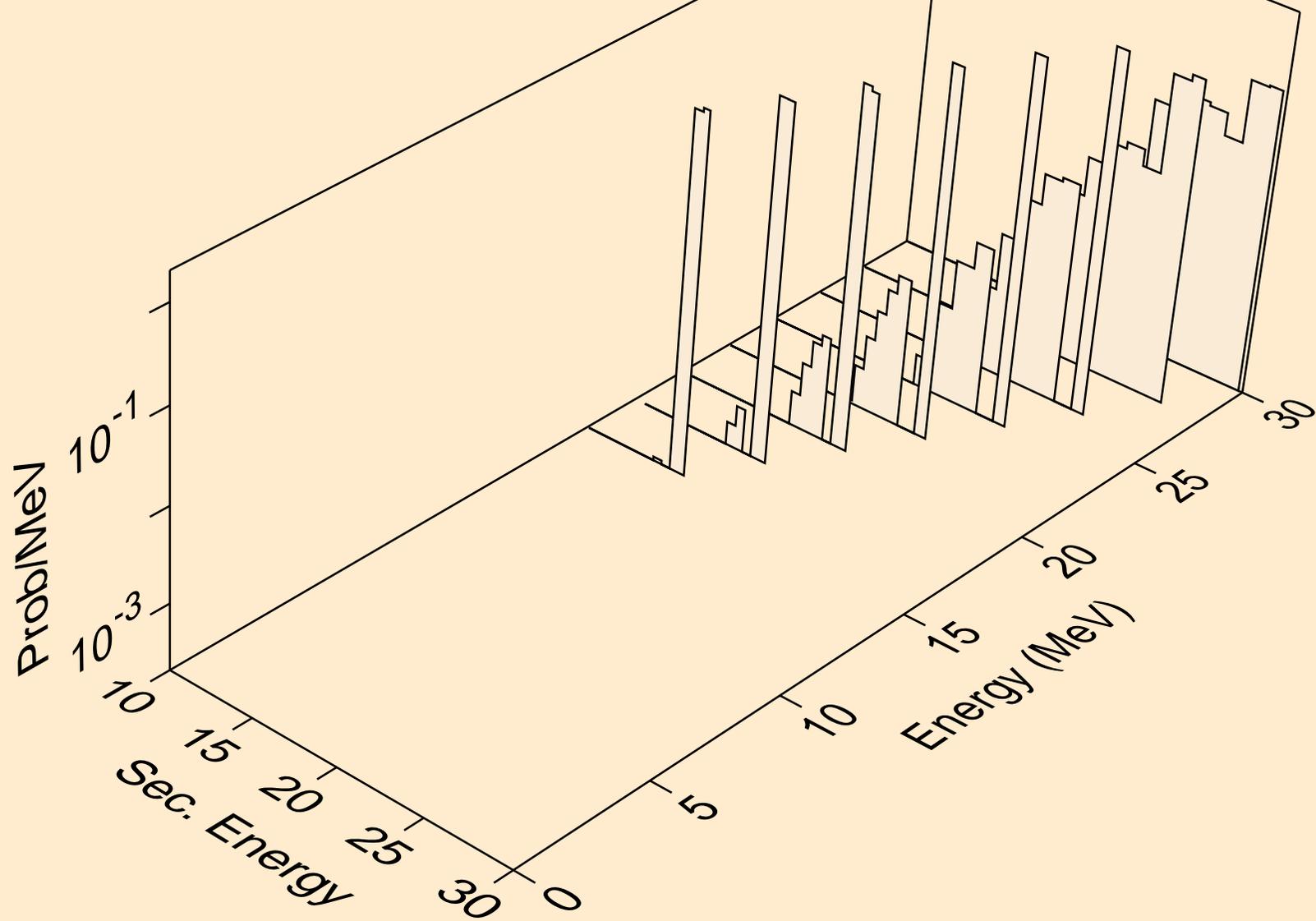FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic

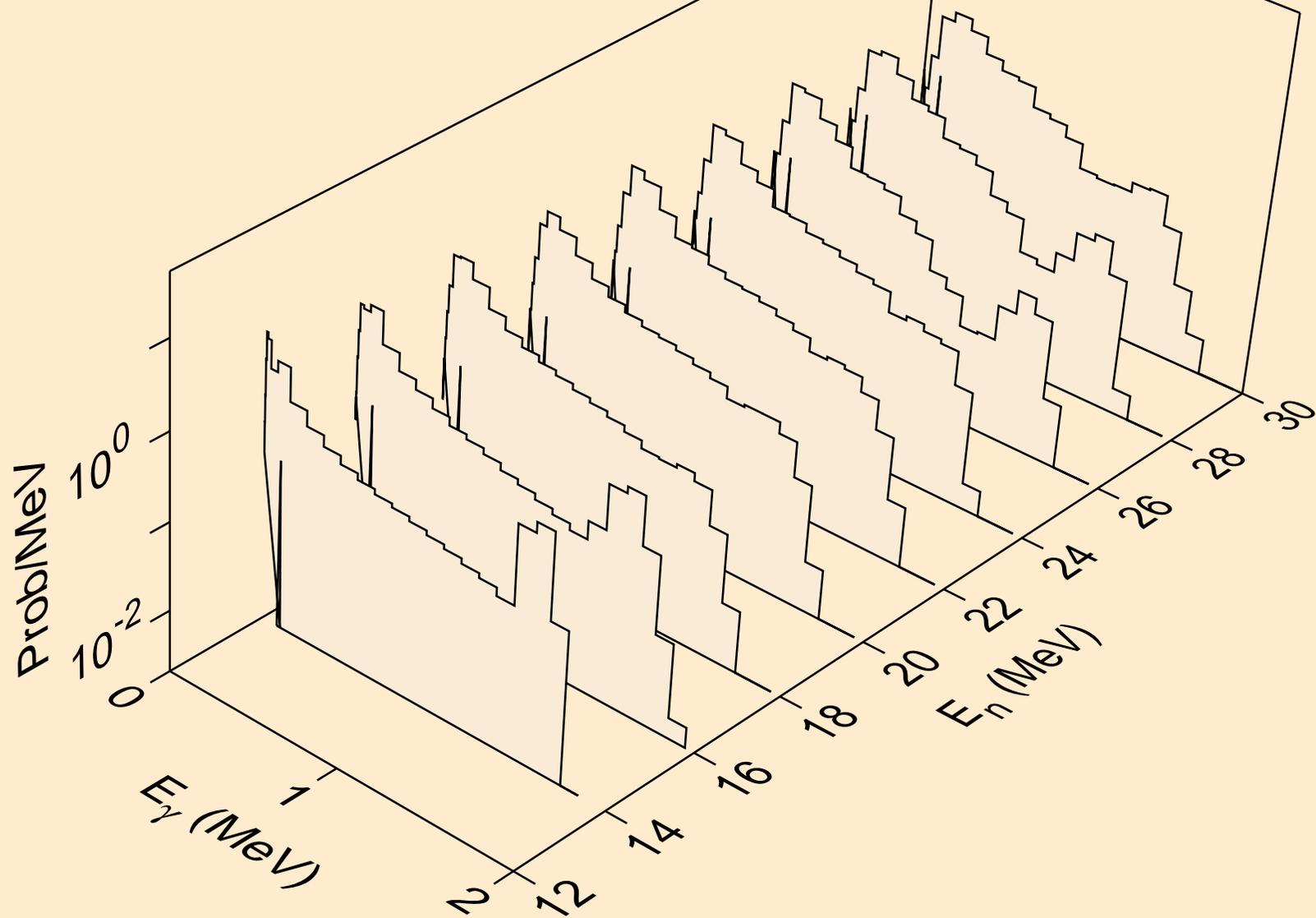FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,x)

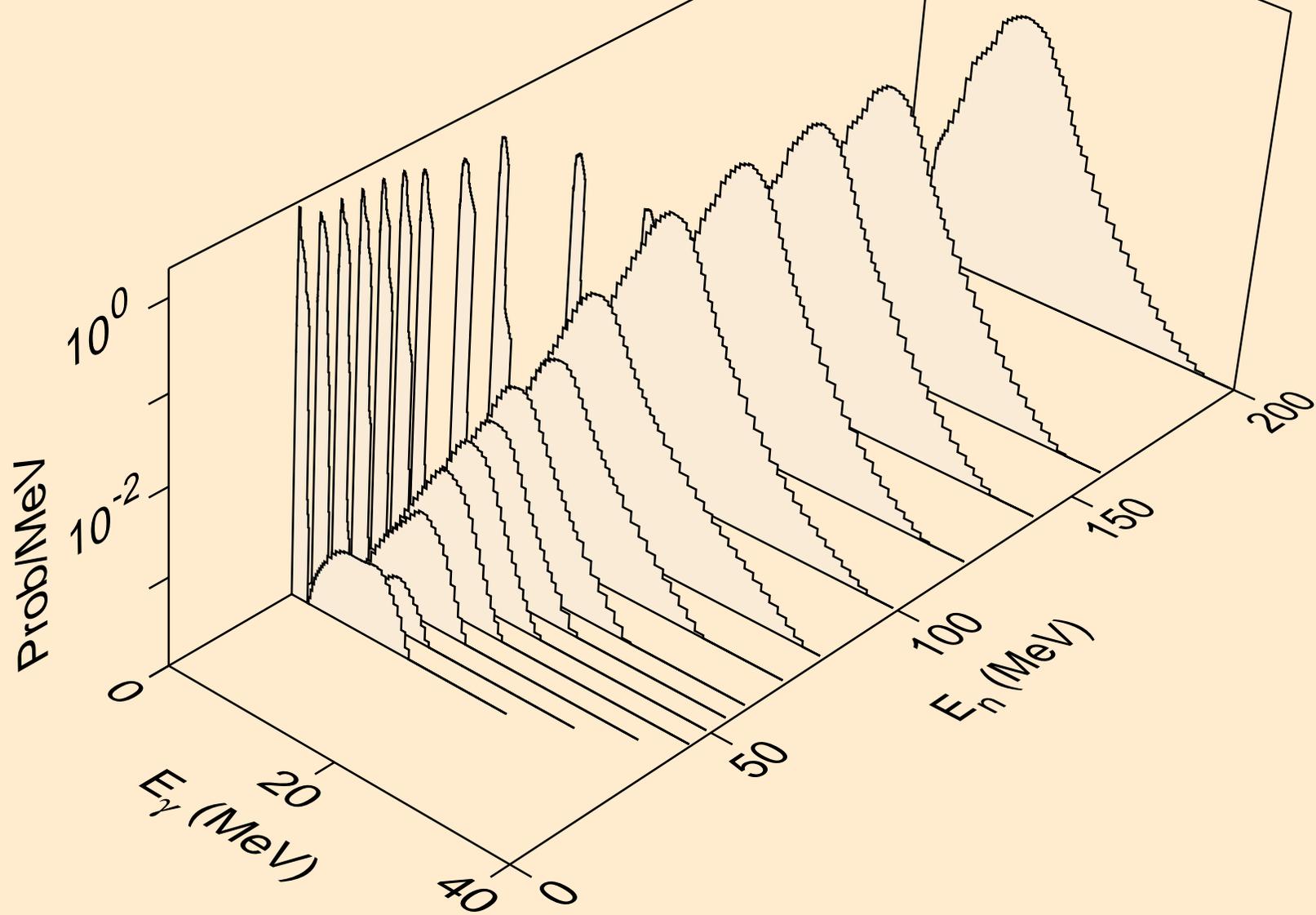FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,n*)a

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
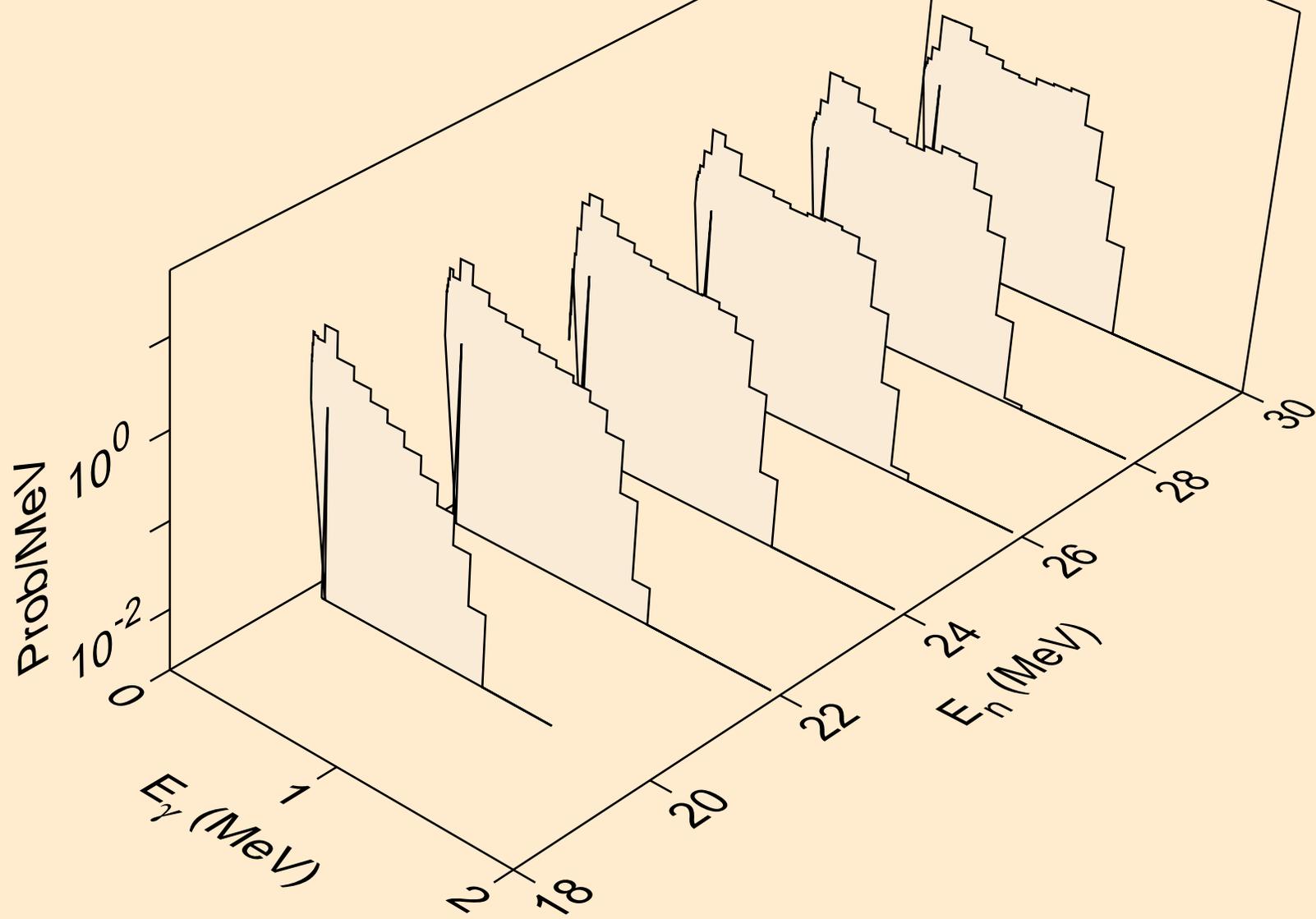Alpha emission for inelastic

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
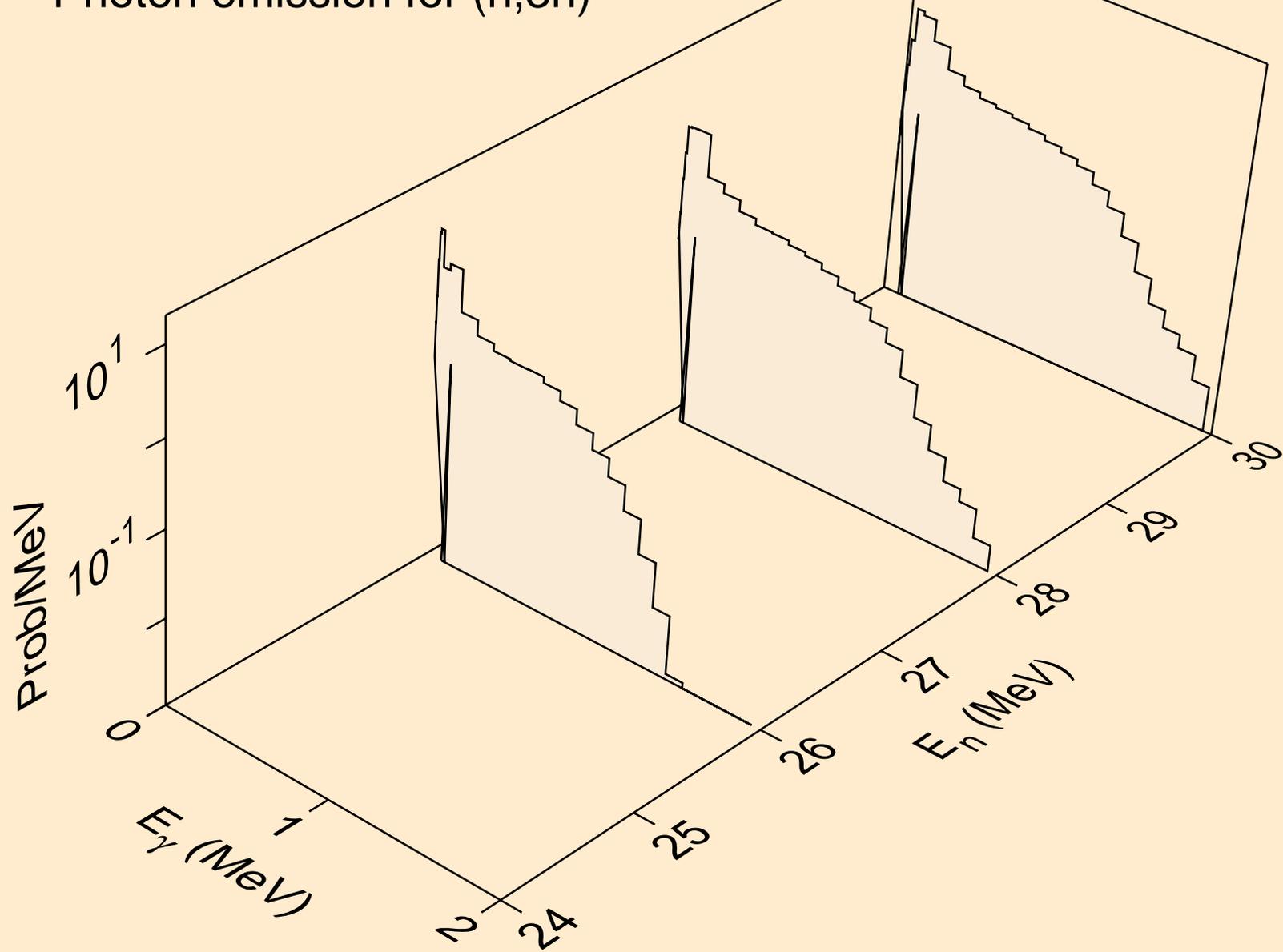Photon emission for (z,n)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
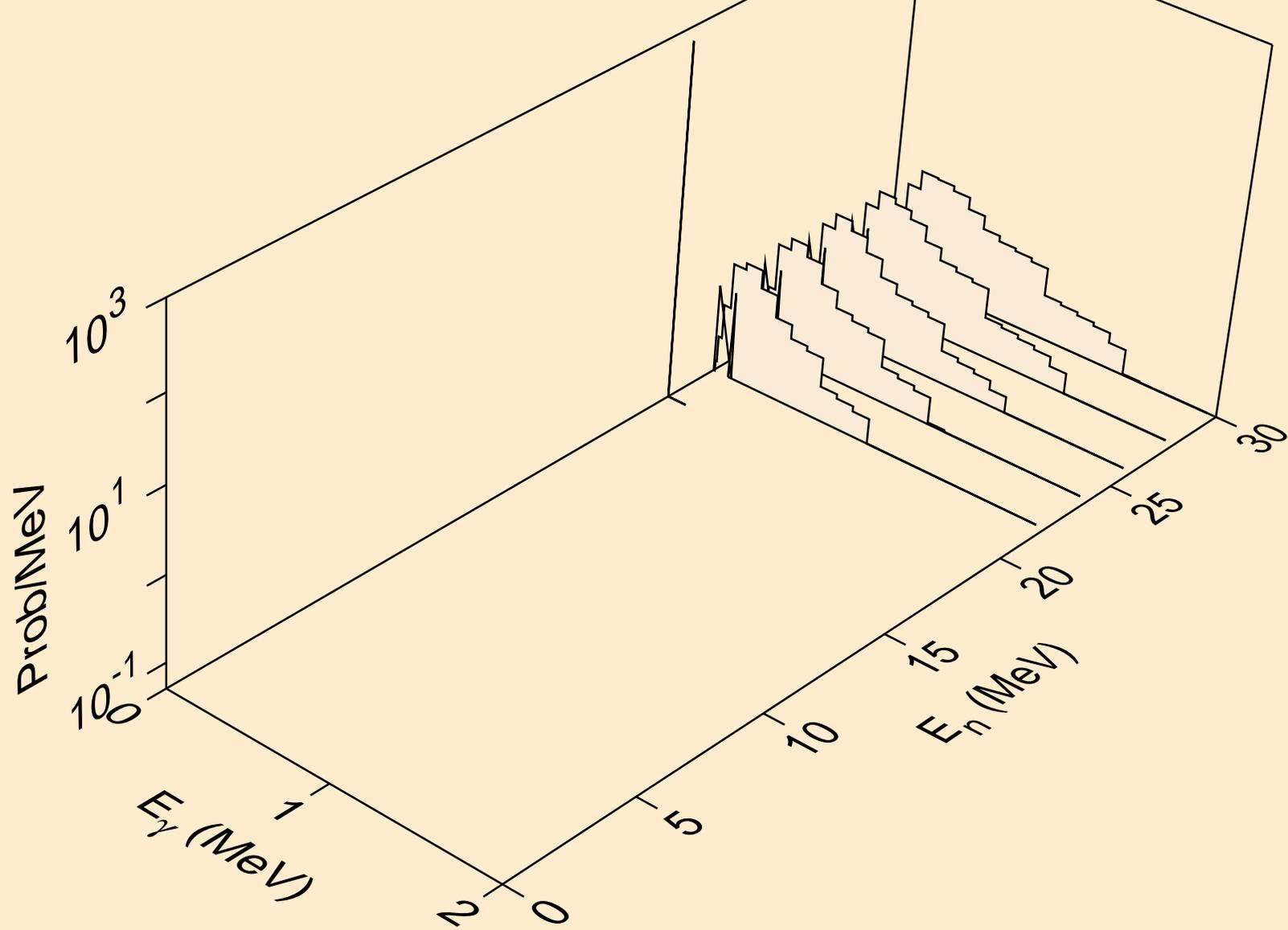Photon emission for (n,x)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,2n)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,3n)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,n*)a
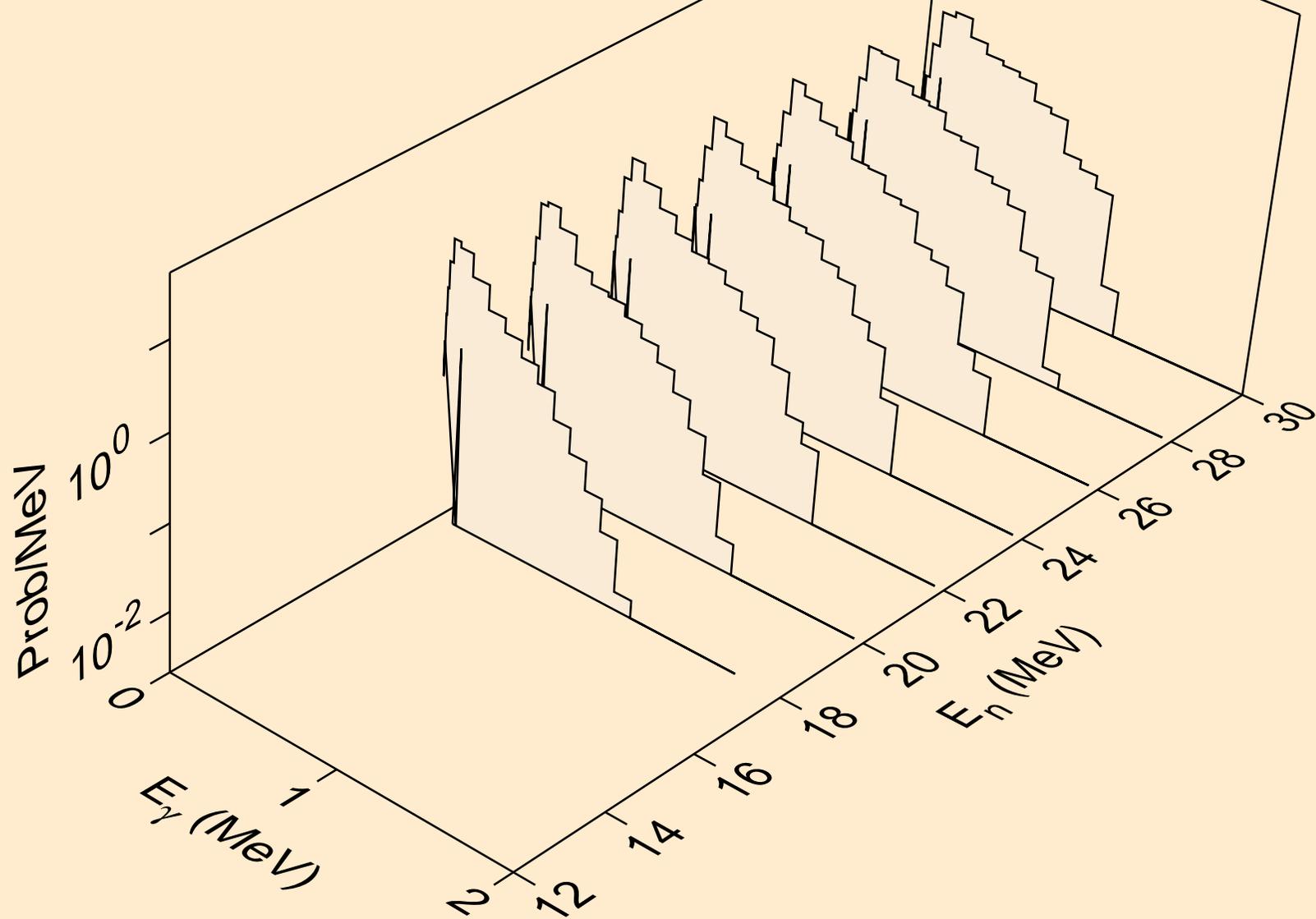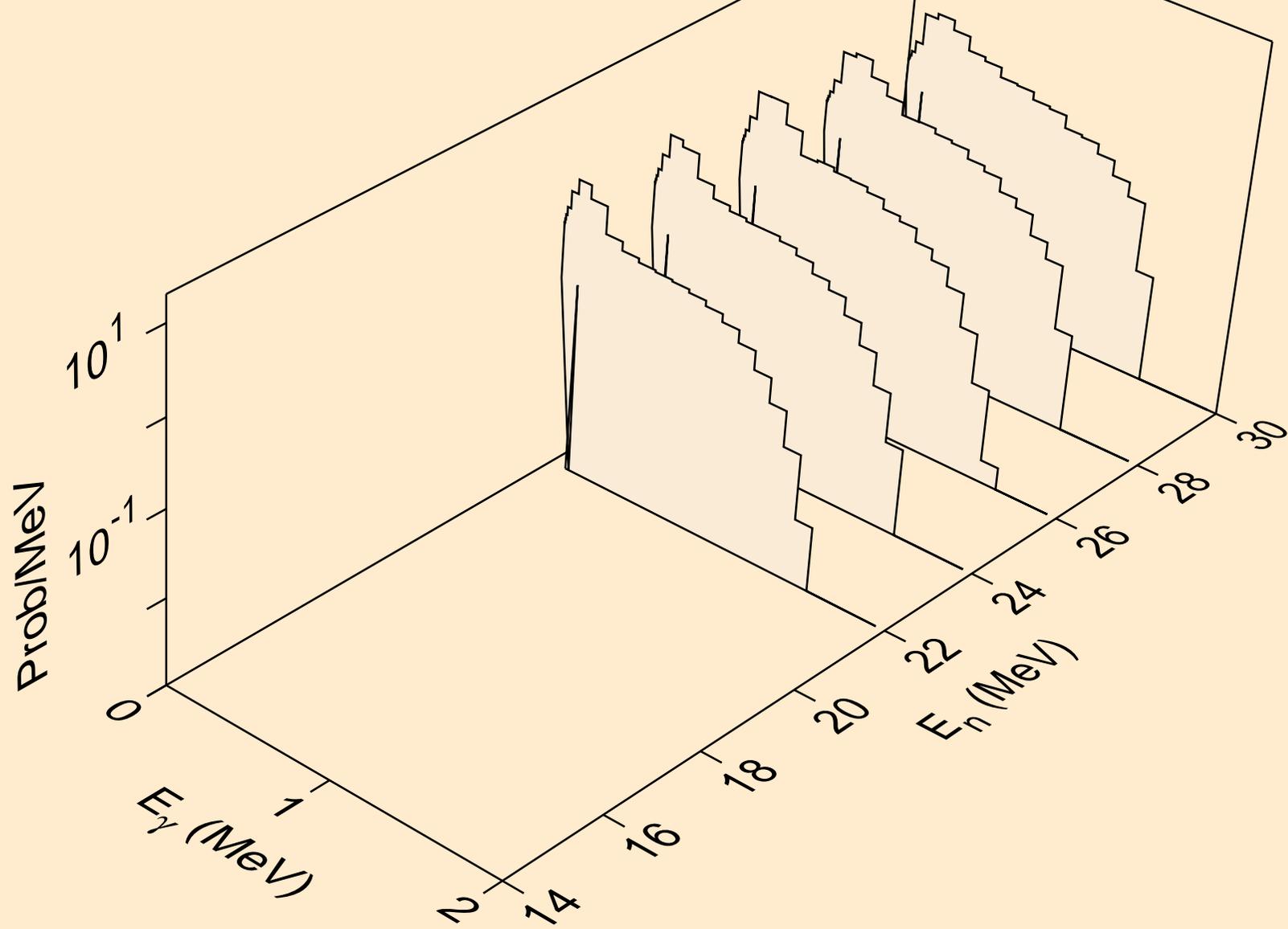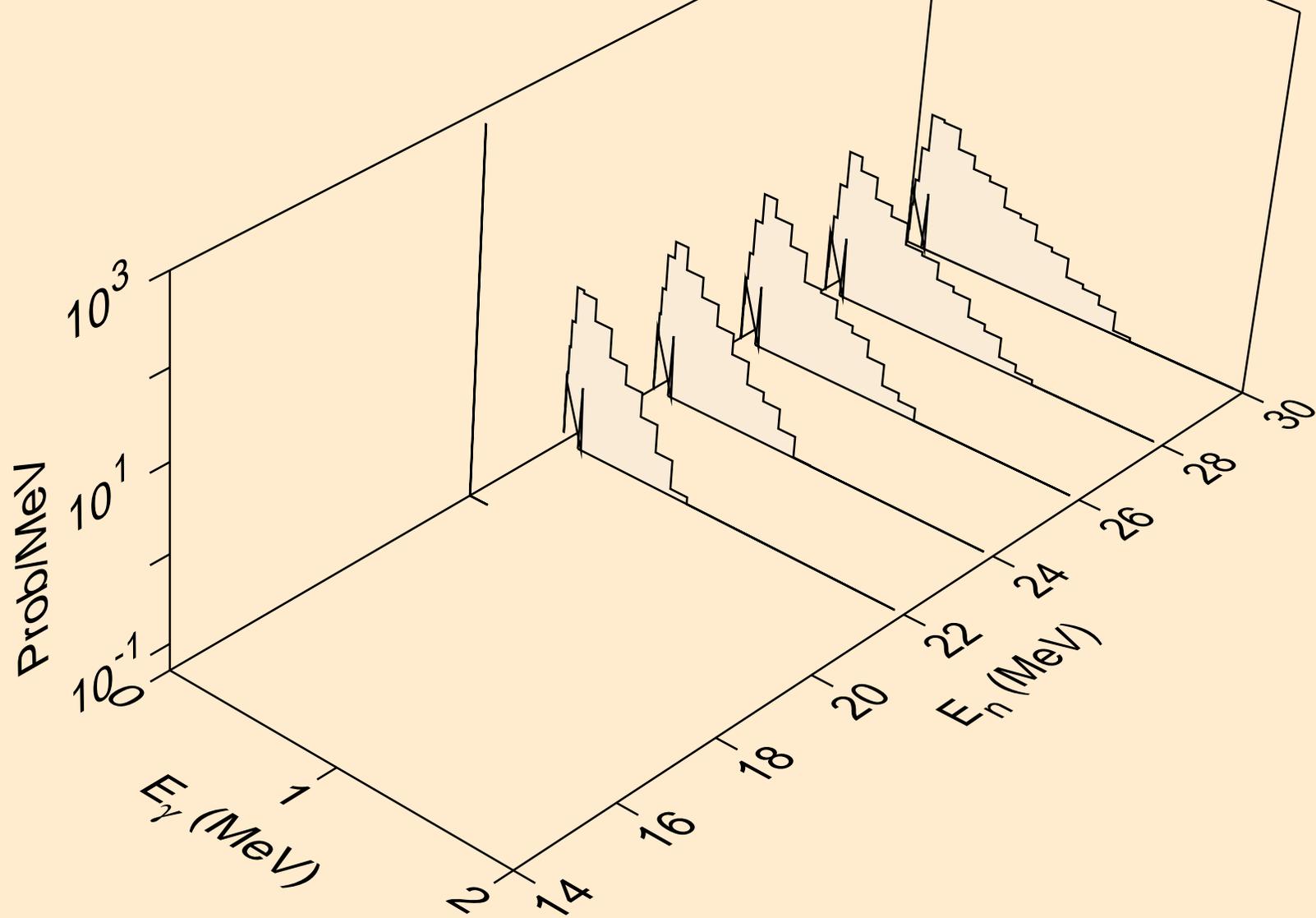
FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
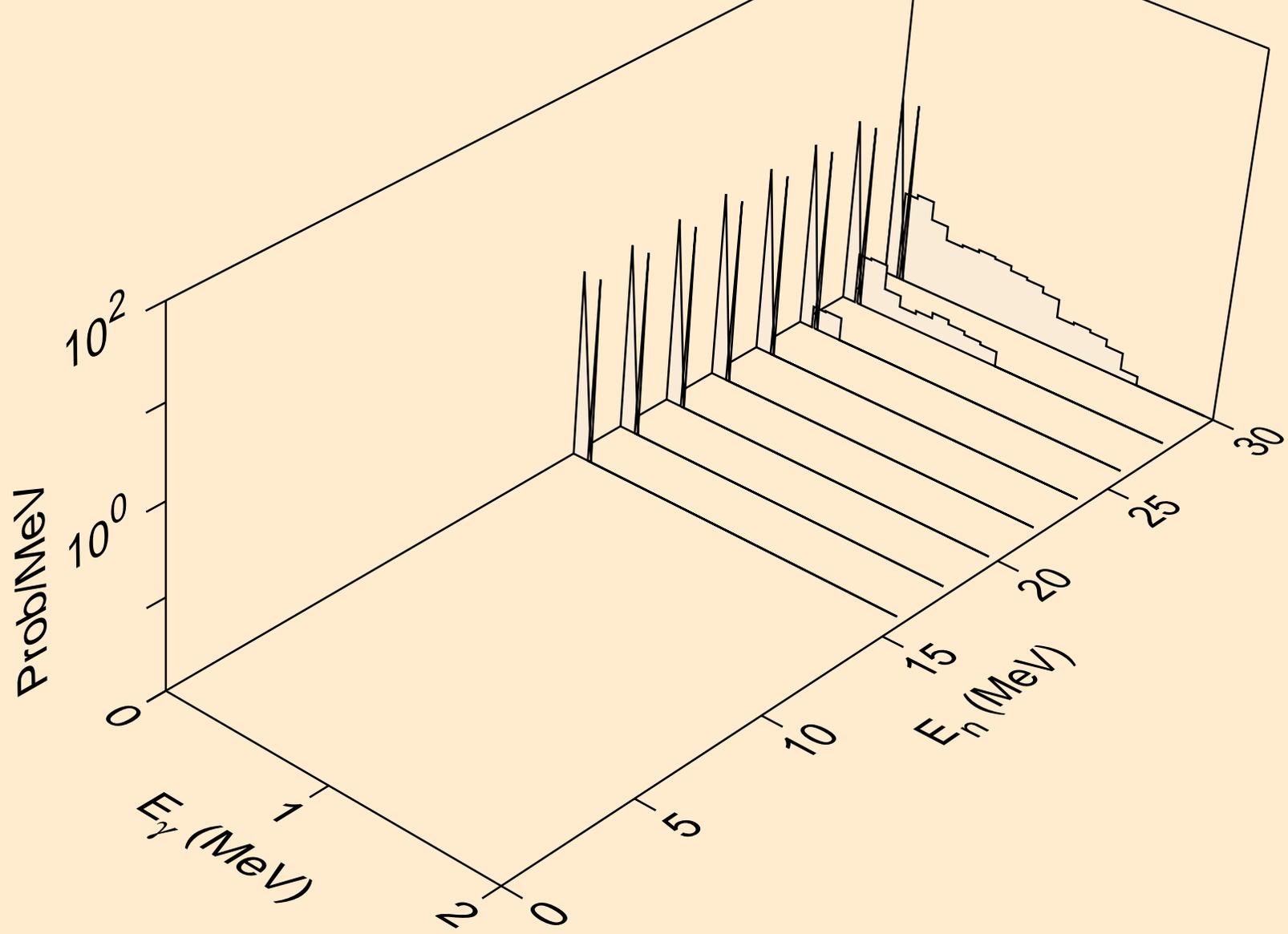Photon emission for (n,p)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
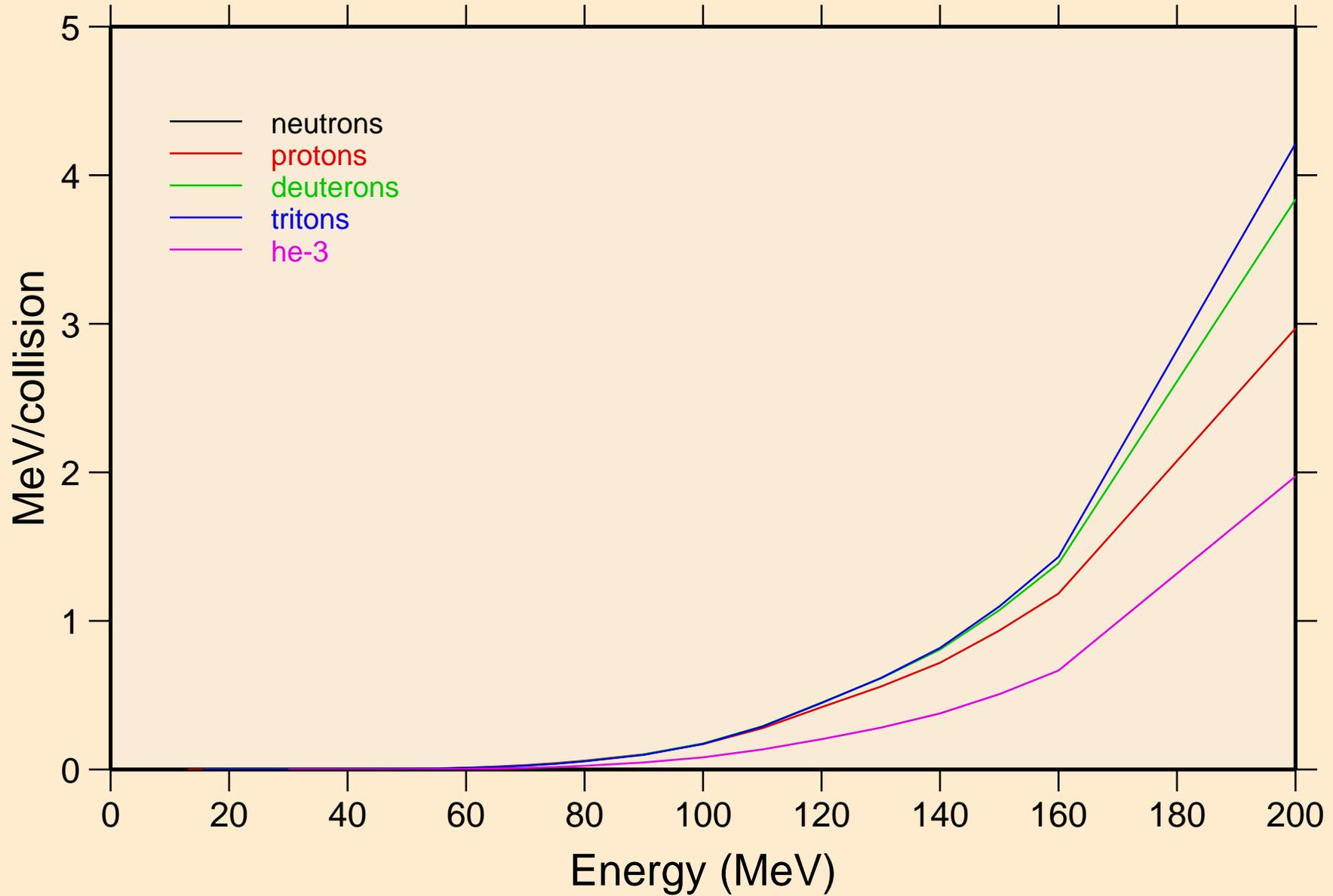Photon emission for (n,d)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
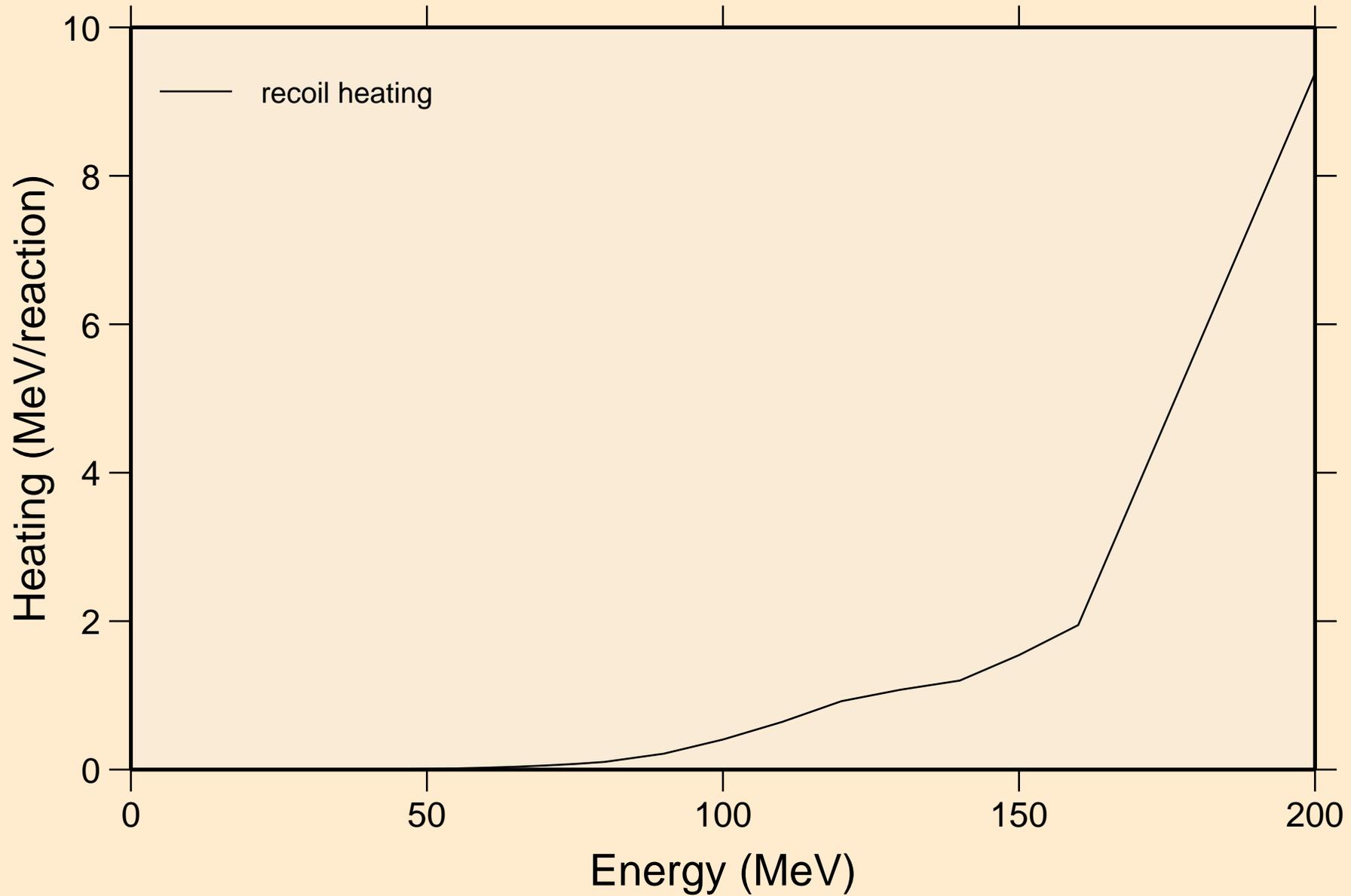Photon emission for (n,t)

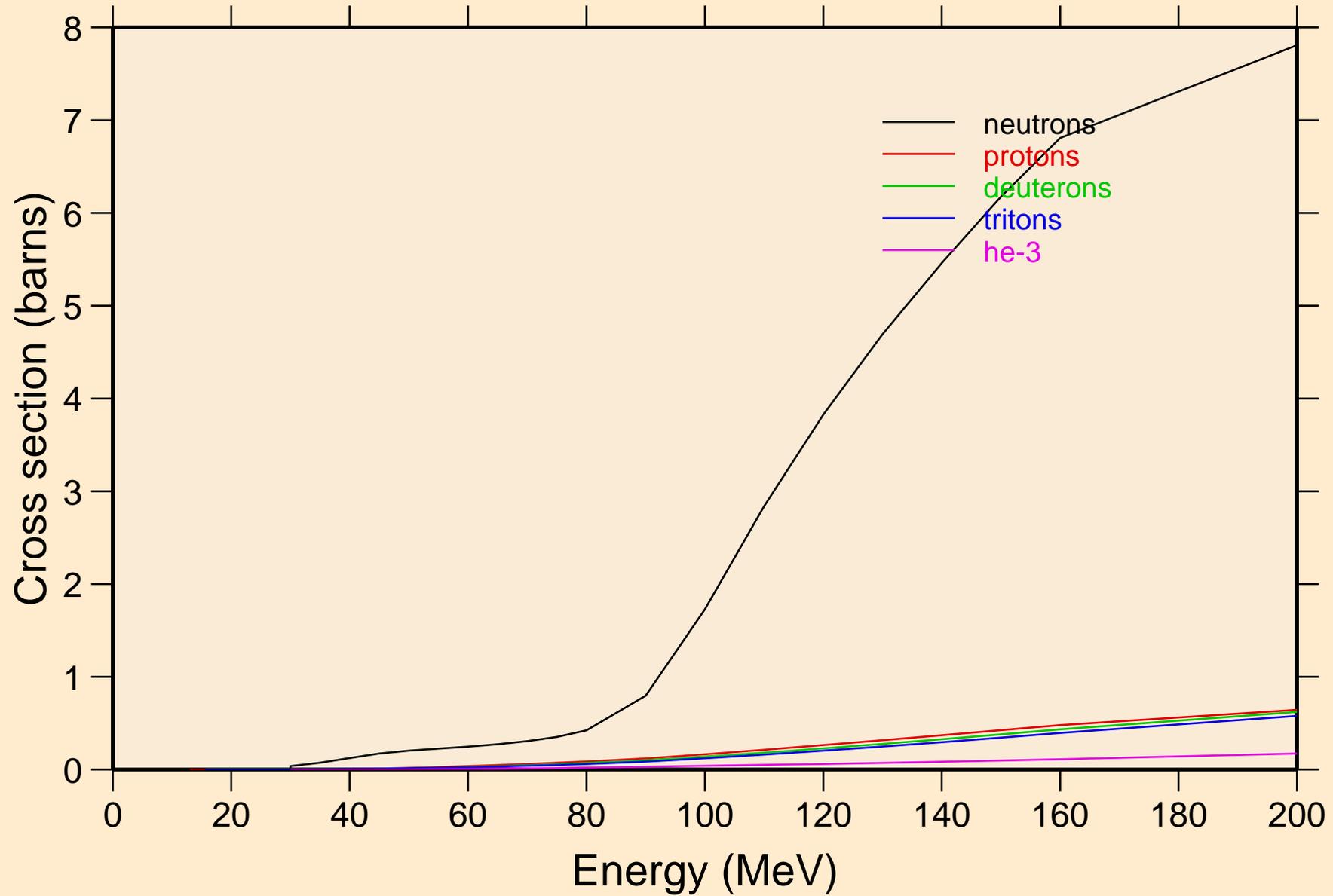FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for inelastic

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
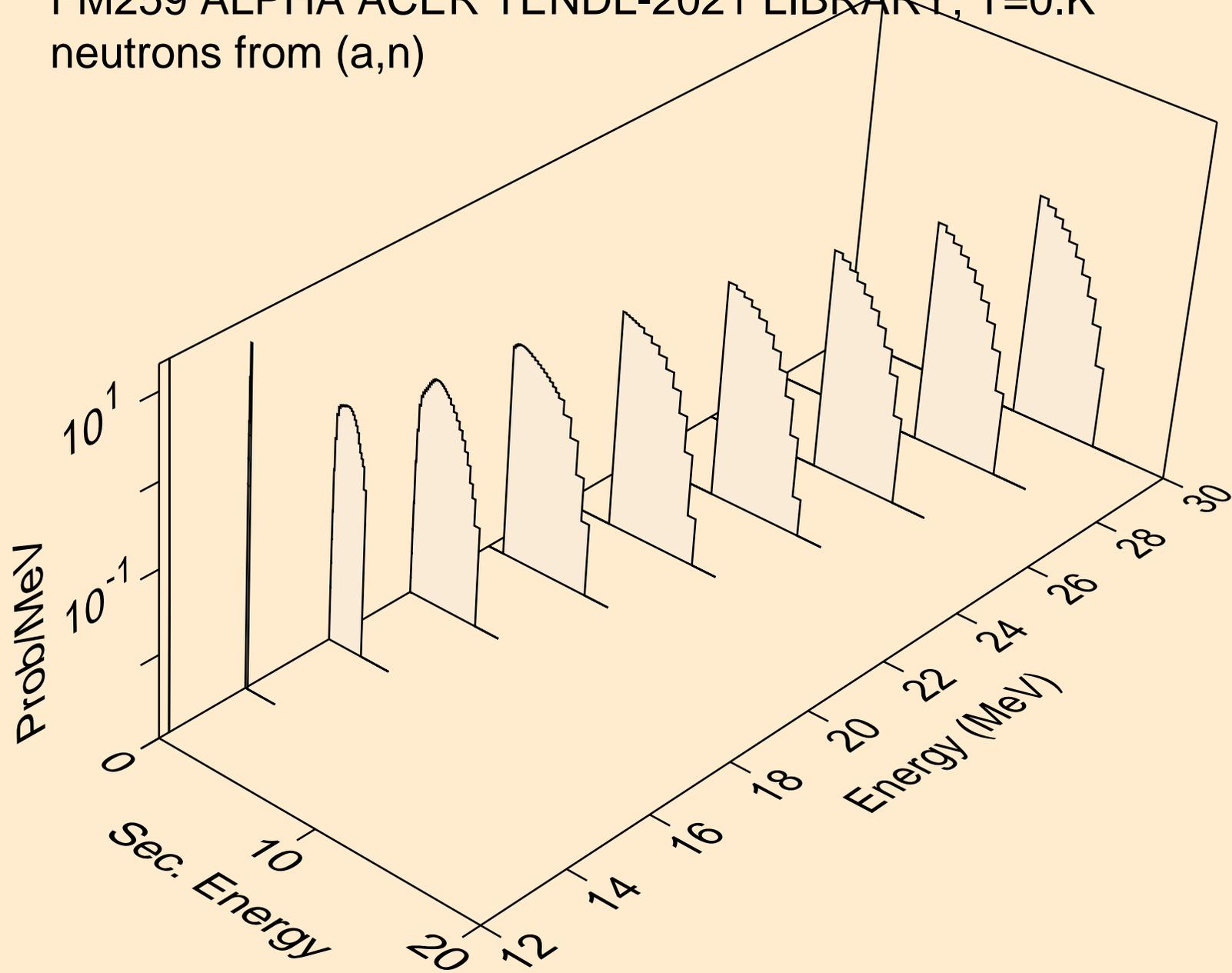Particle heating contributions

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
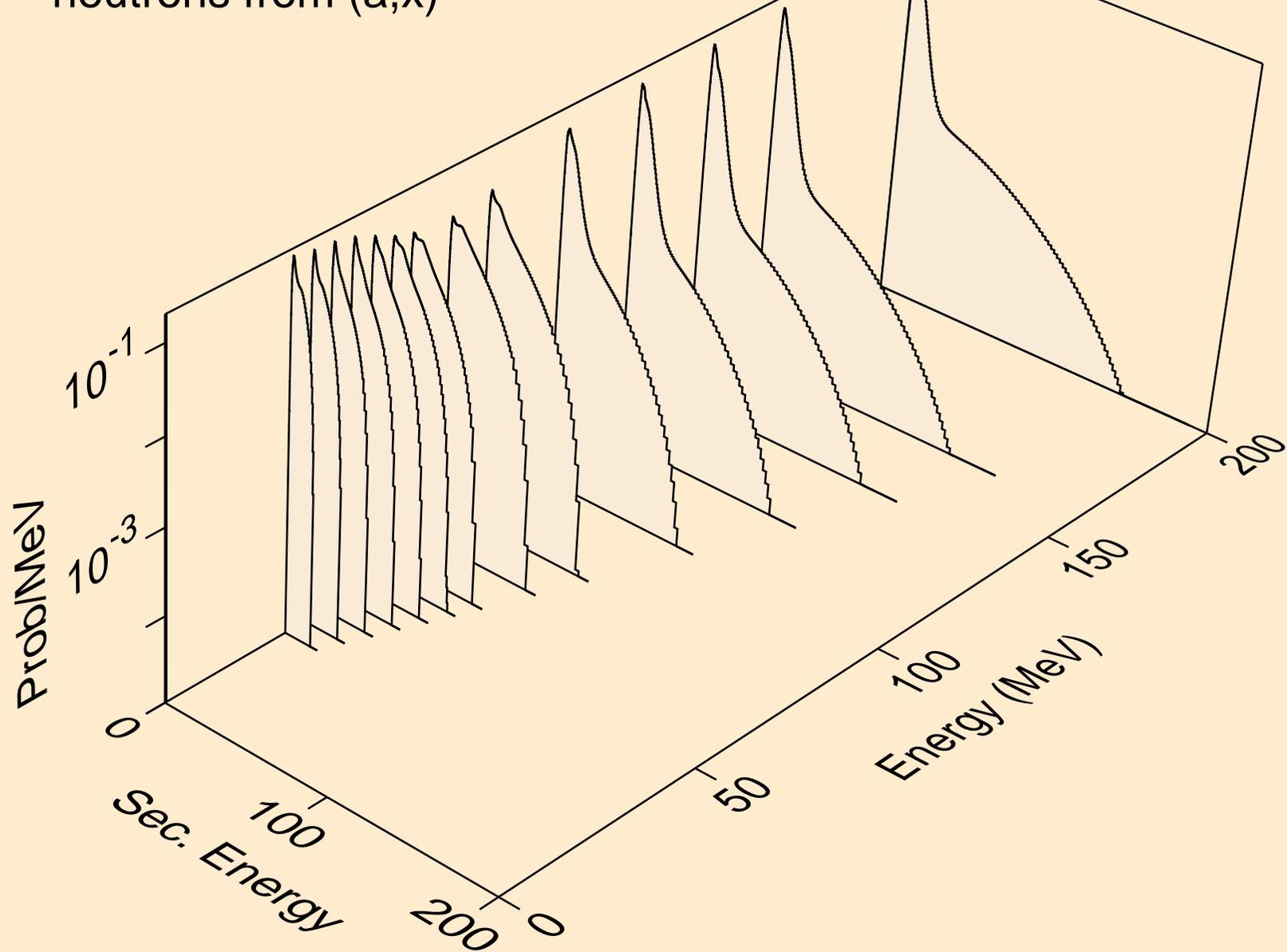Recoil Heating

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
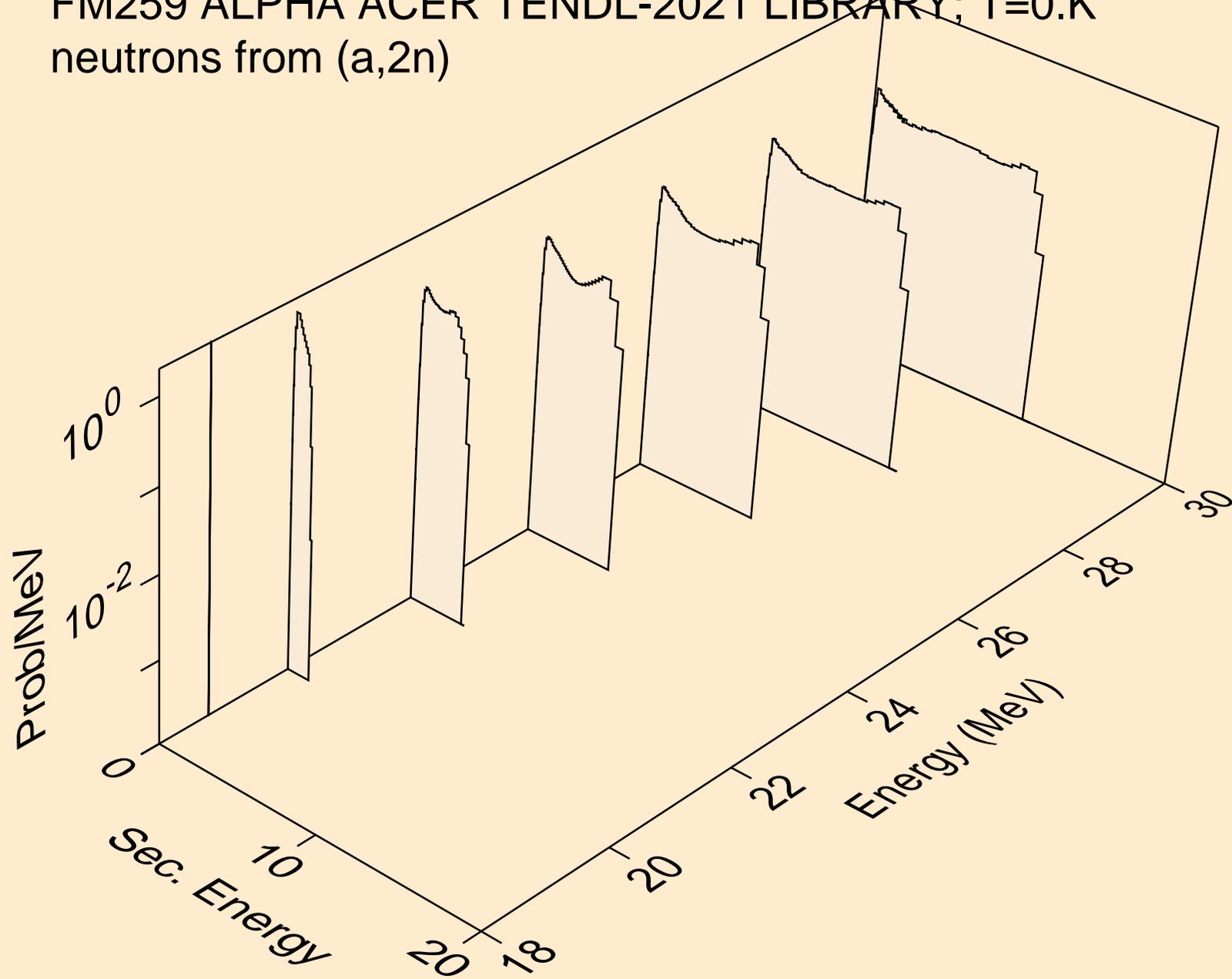Particle production cross sections

neutrons
protons
deuterons
tritons
he-3

Cross section (barns)

Energy (MeV)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n)

Prob/MeV
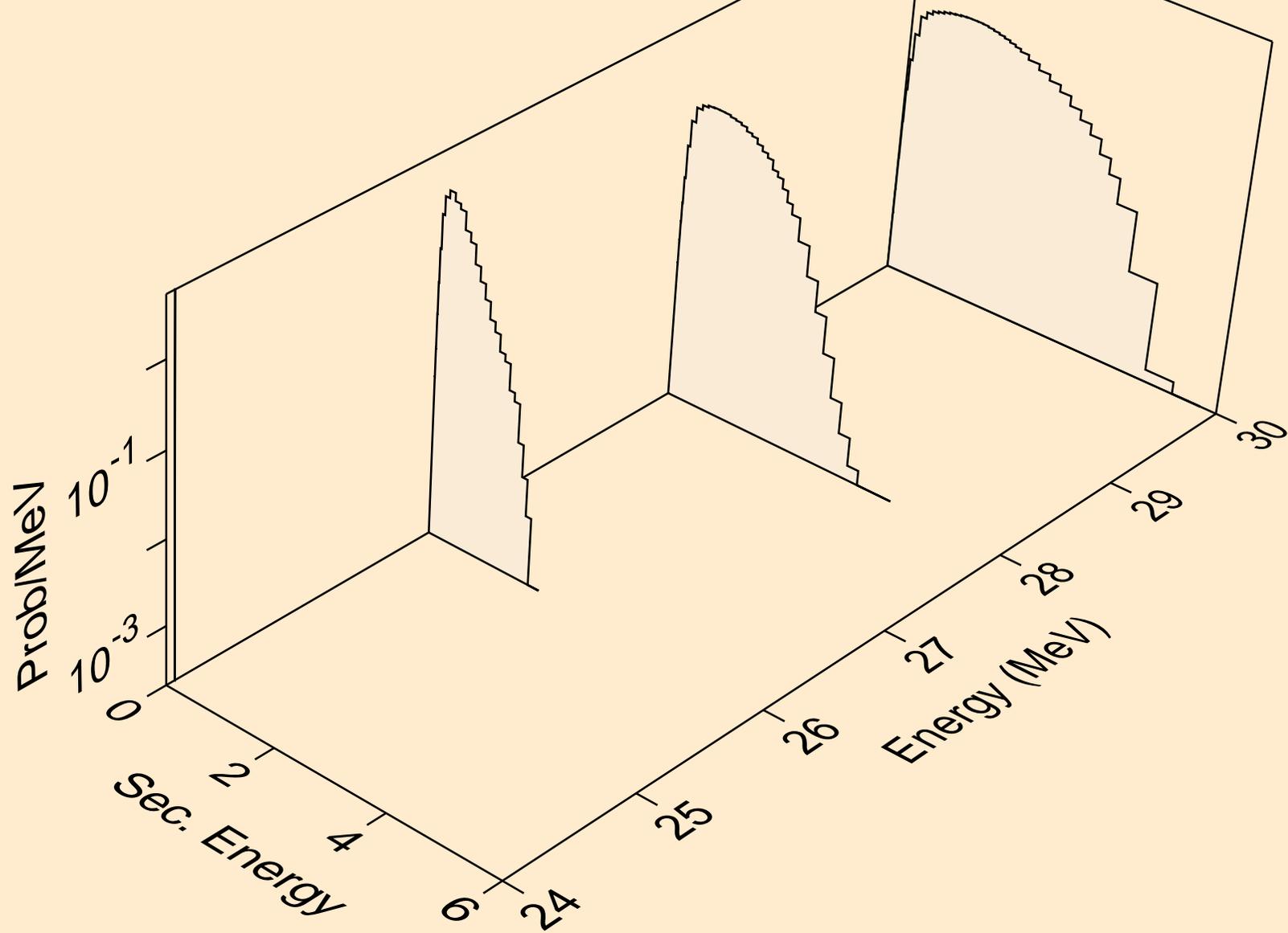
Sec. Energy

Energy (MeV)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,x)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,2n)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,3n)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,n*)a

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
protons from (a,x)

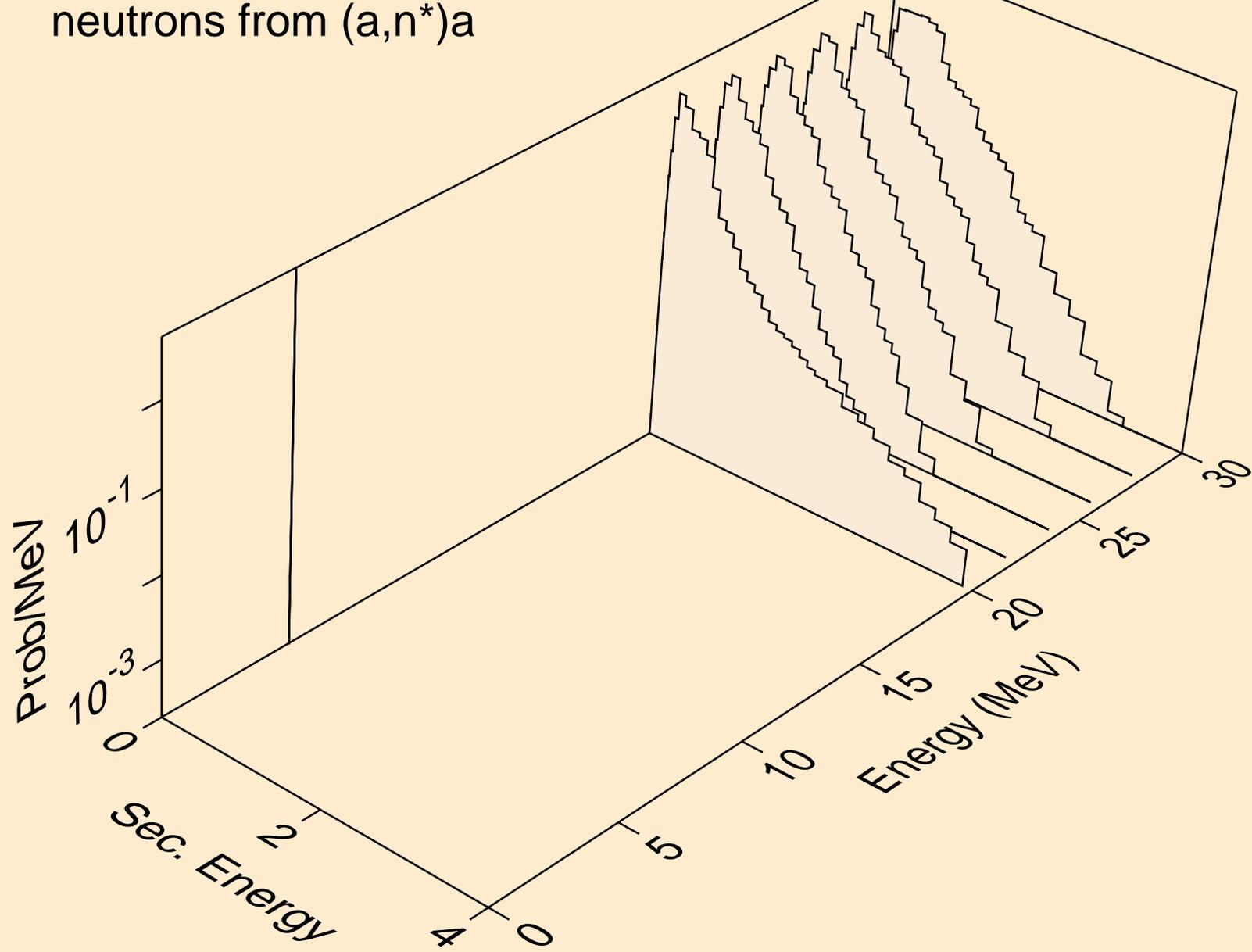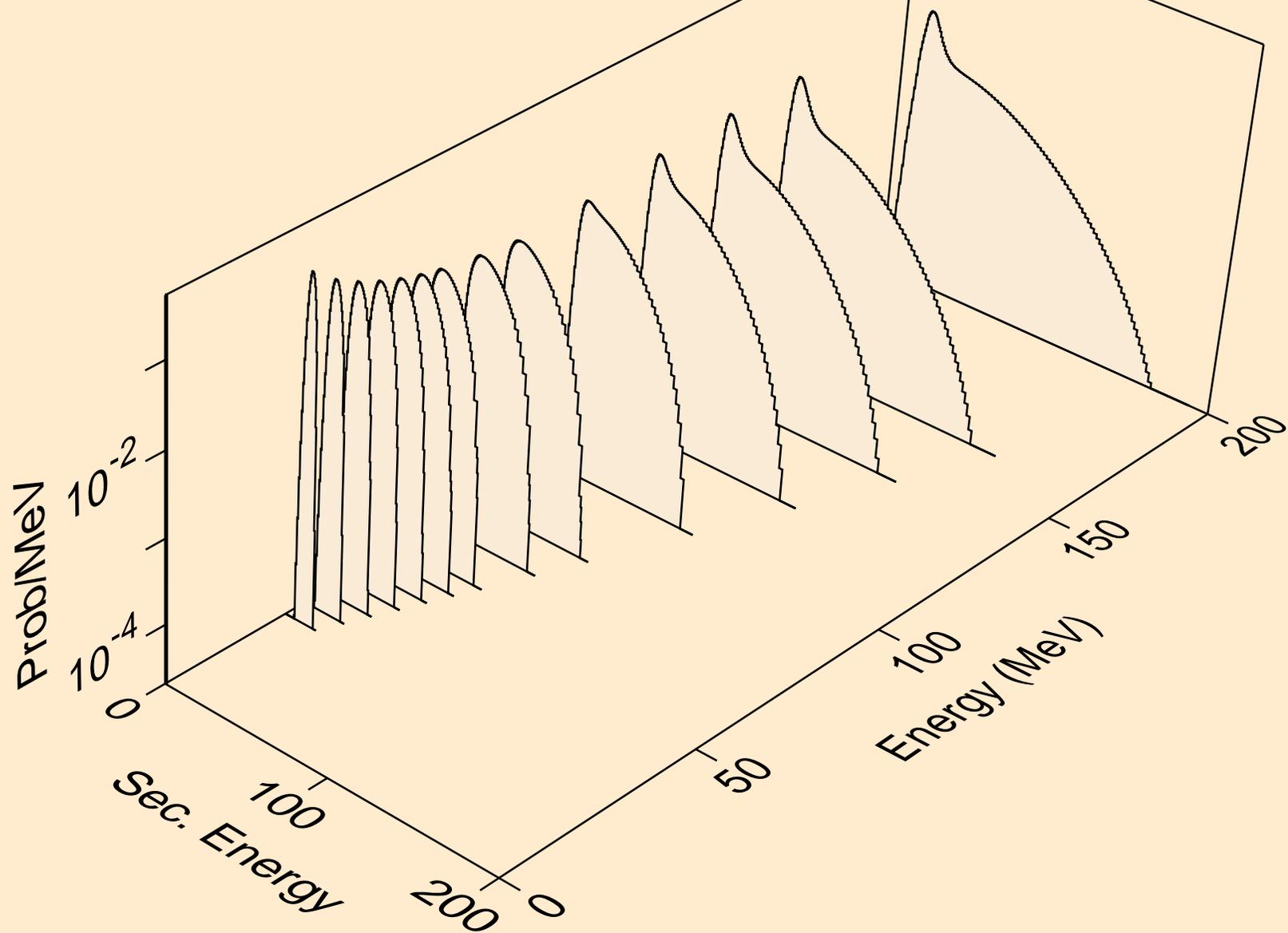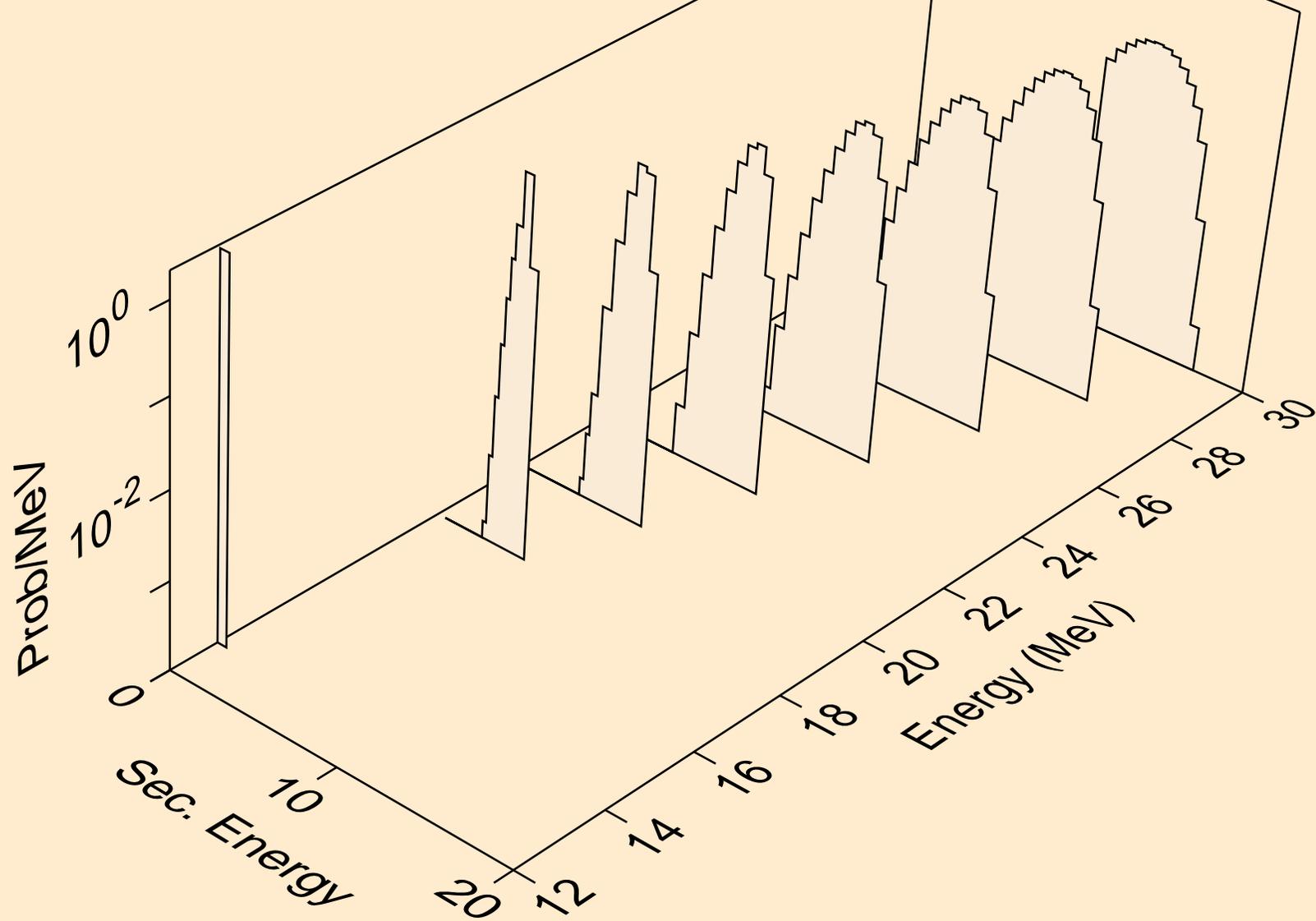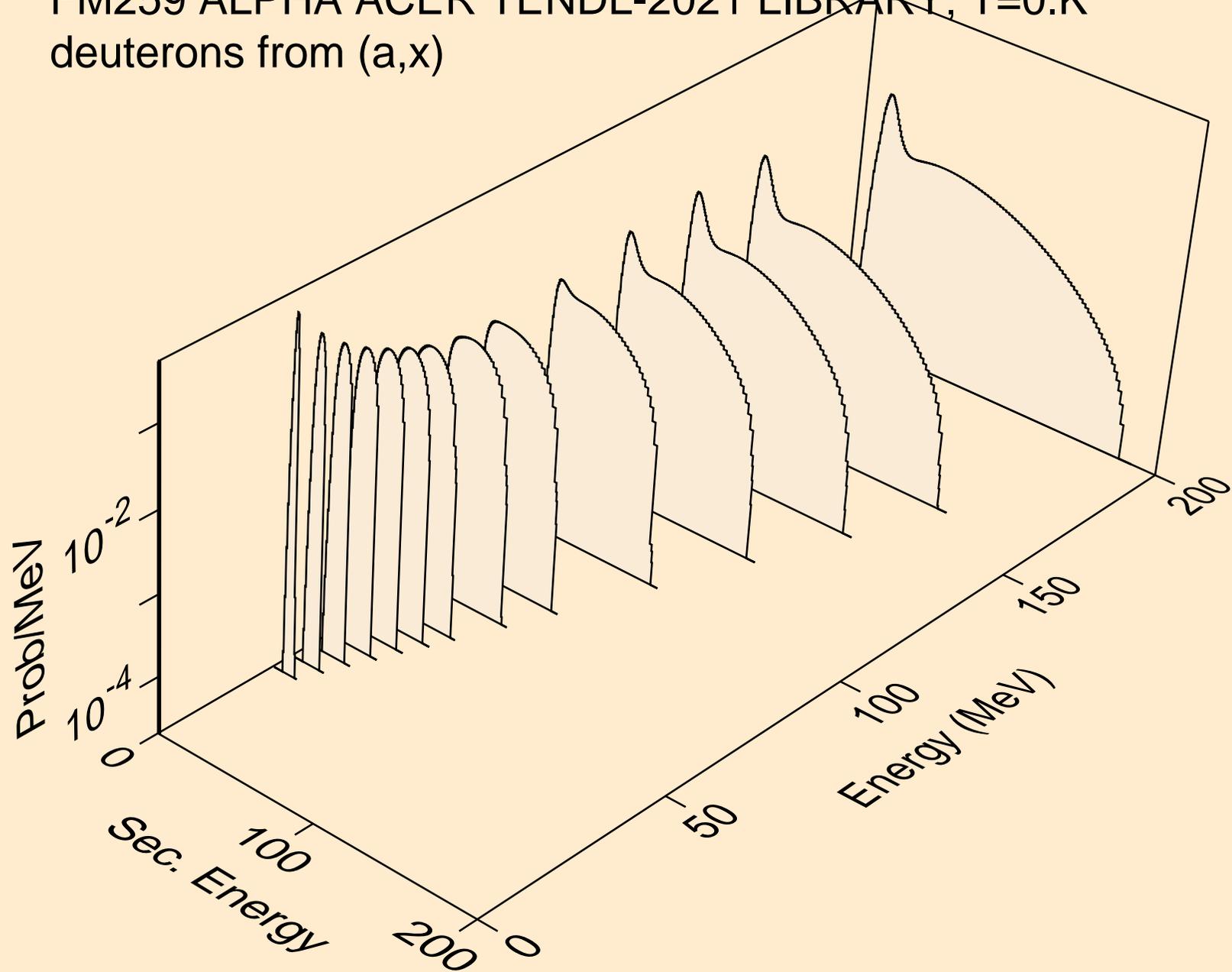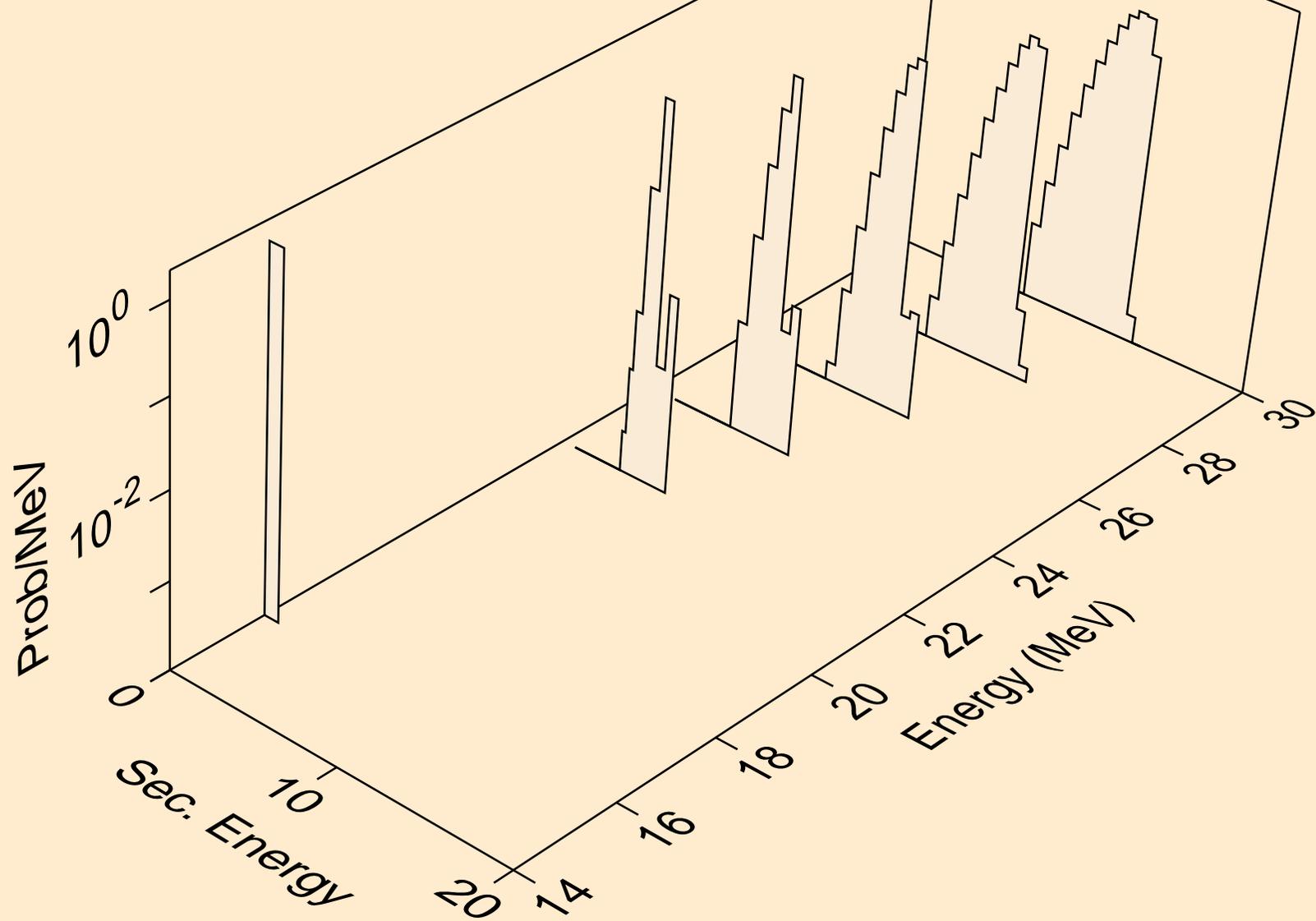FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
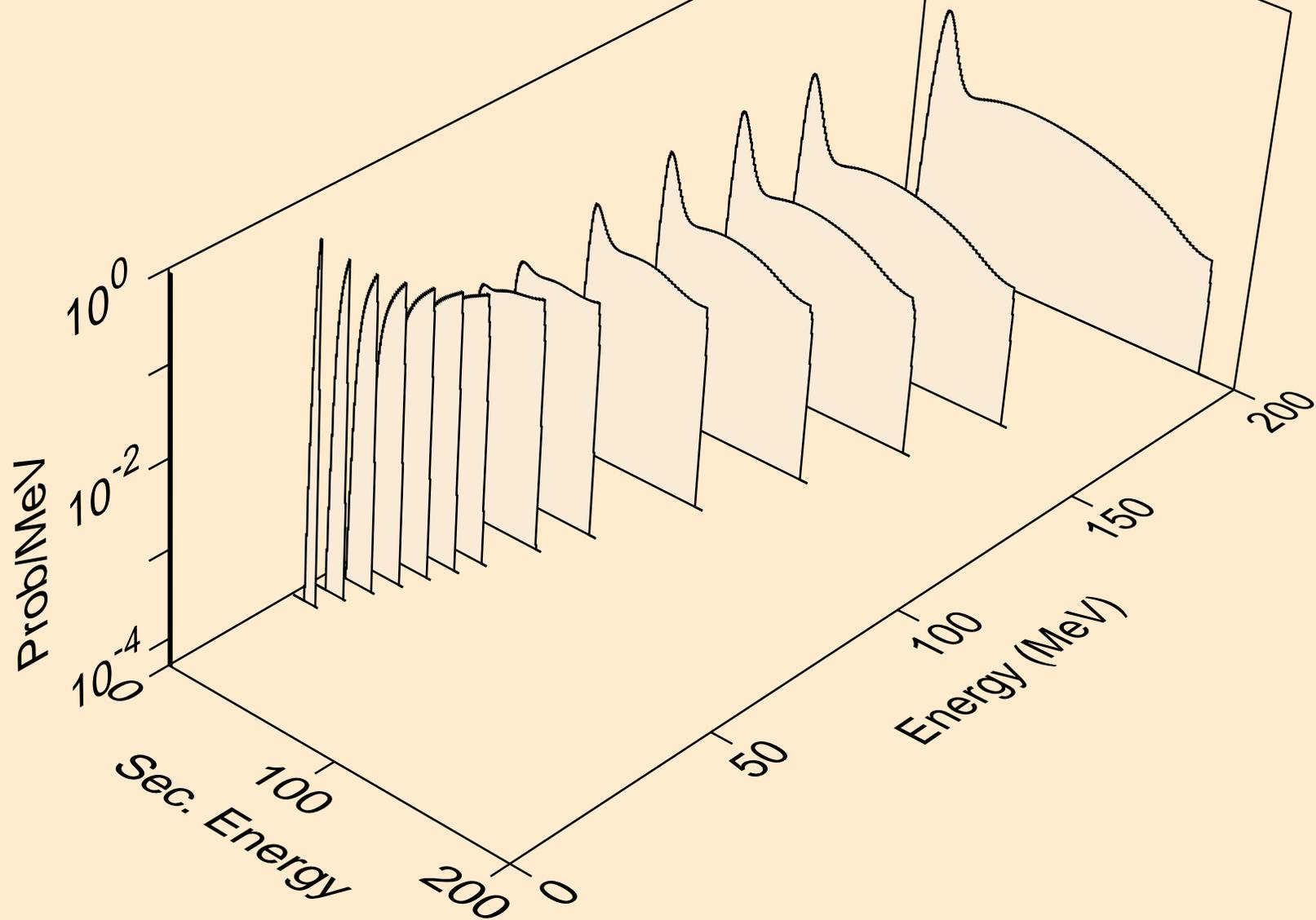protons from (a,p)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
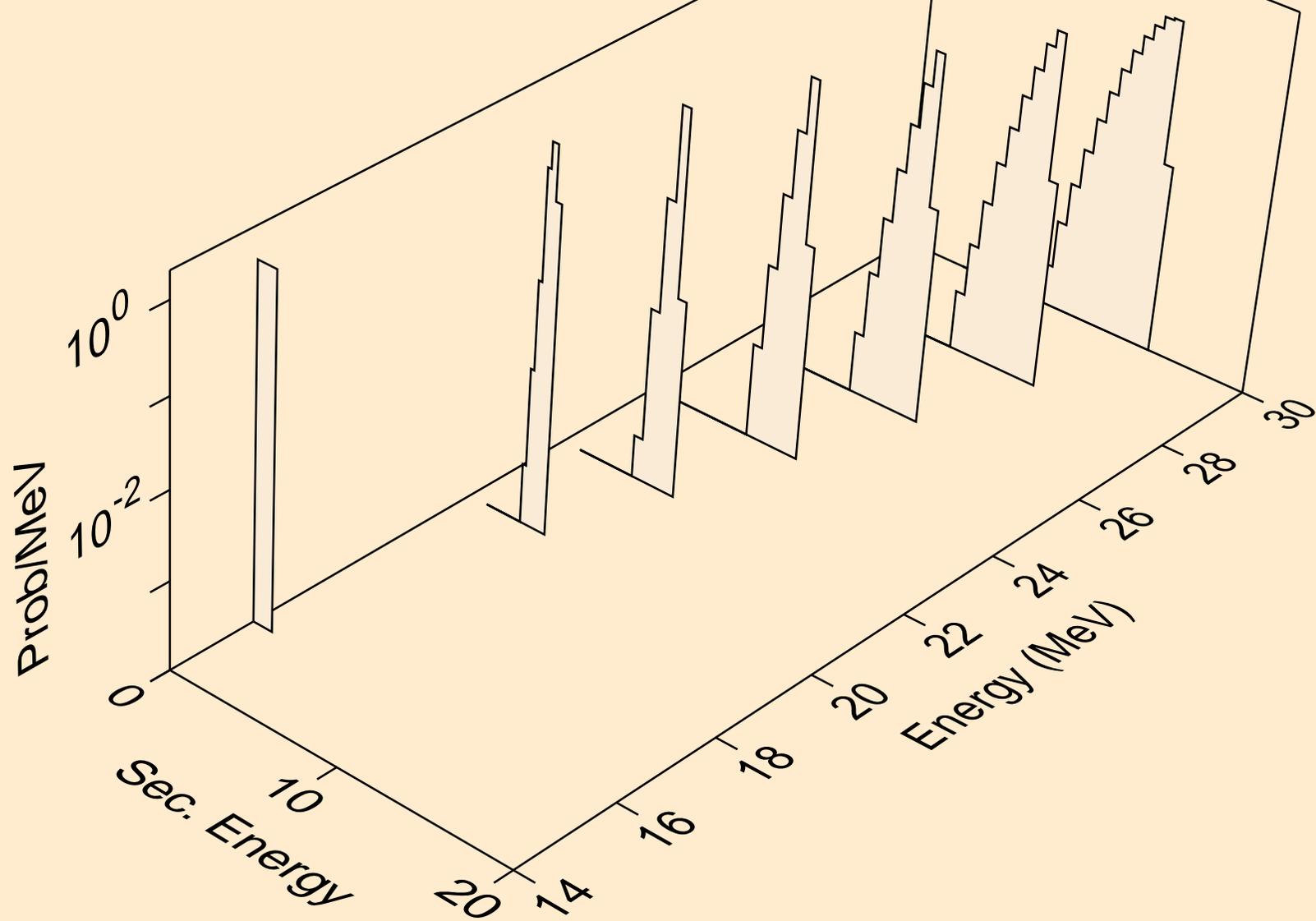deuterons from (a,x)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,d)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,x)

Prob/MeV

10^0

10^{-2}

10^{-4}

Sec. Energy

100

200

0

50

100

150

200

Energy (MeV)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,t)

Prob/MeV

10^0

10^{-2}

0

Sec. Energy

10

20

14

16

18

20

22

24

26

28

30

Energy (MeV)

FM259 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)