RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production

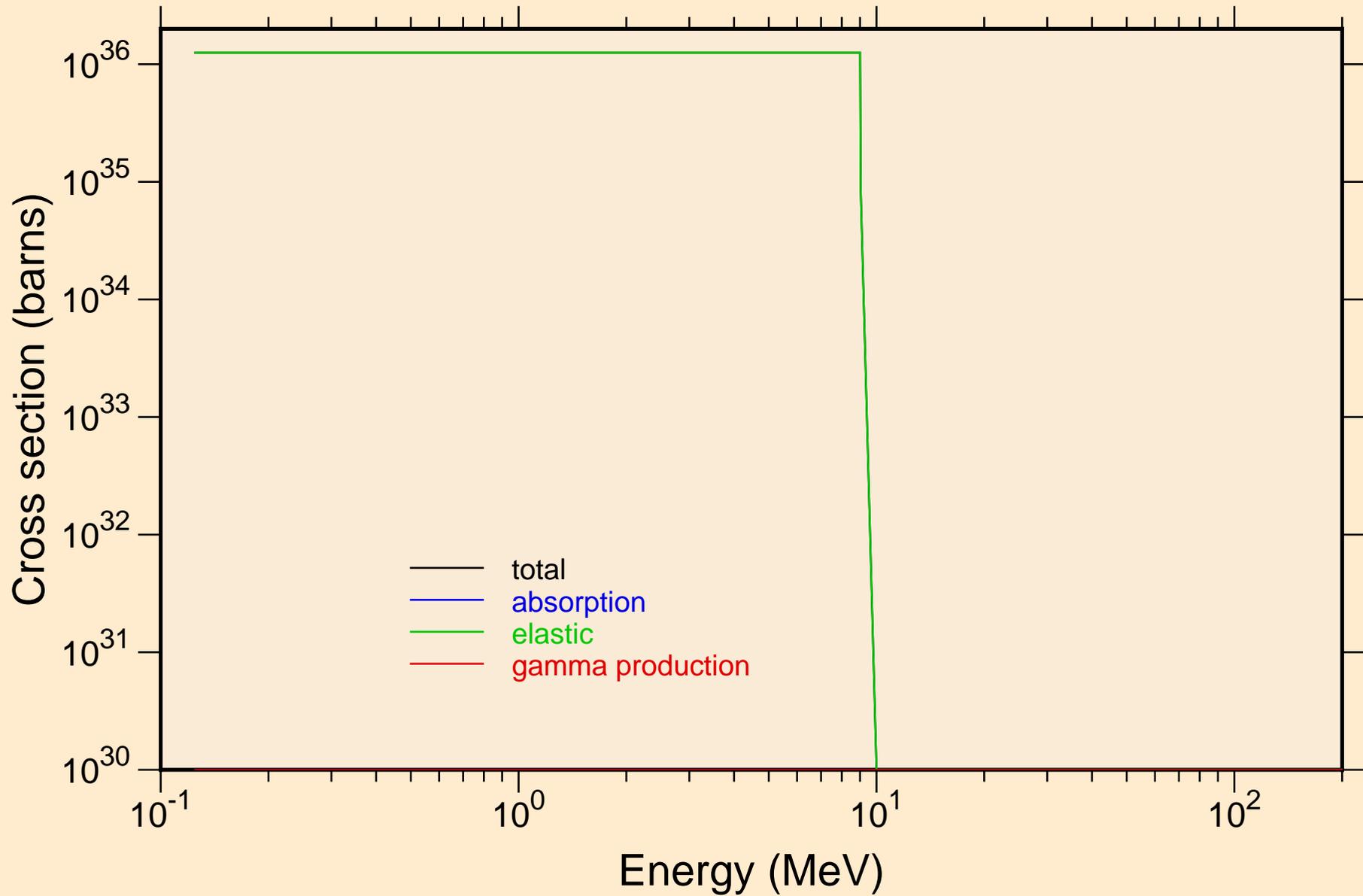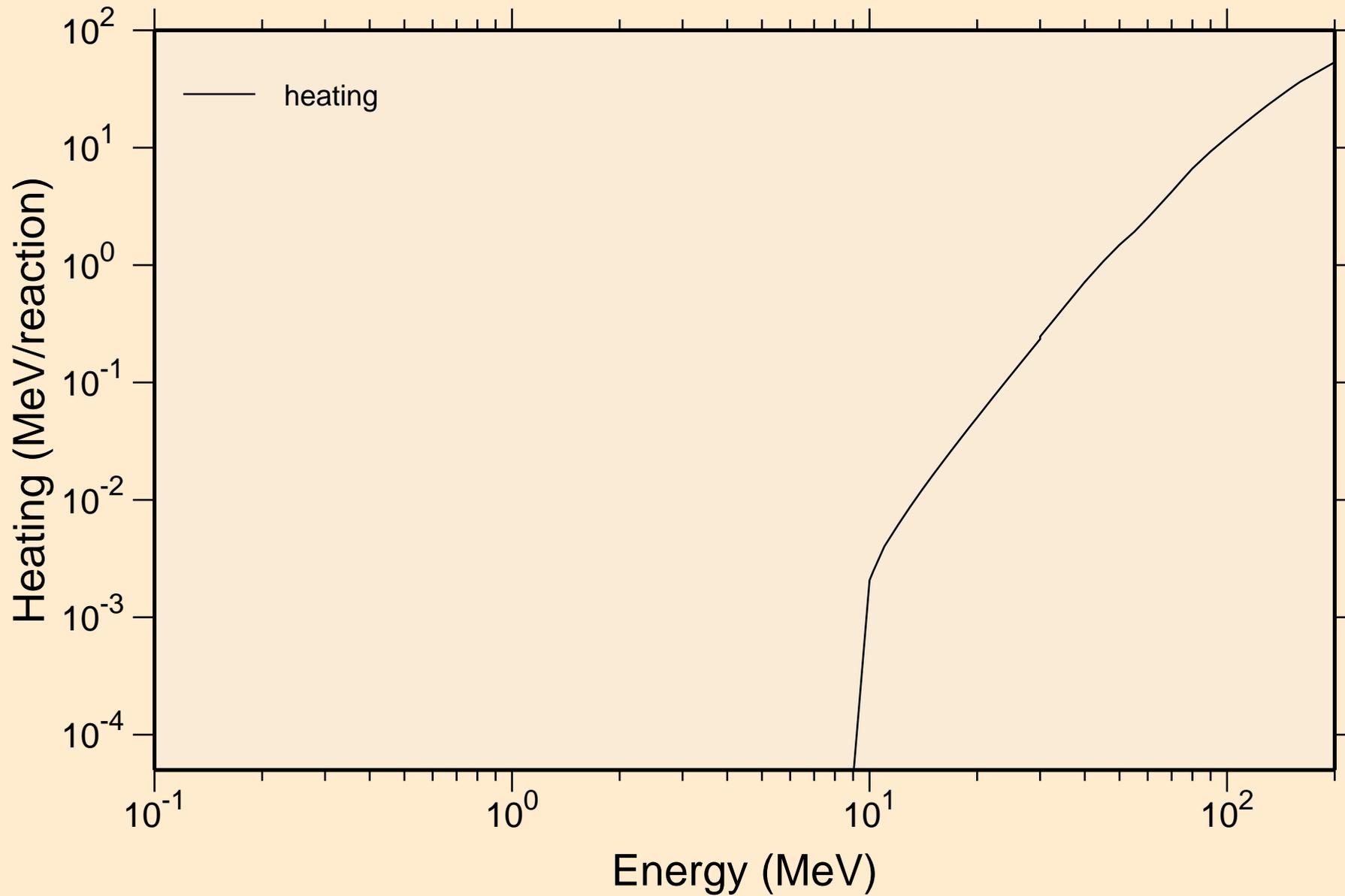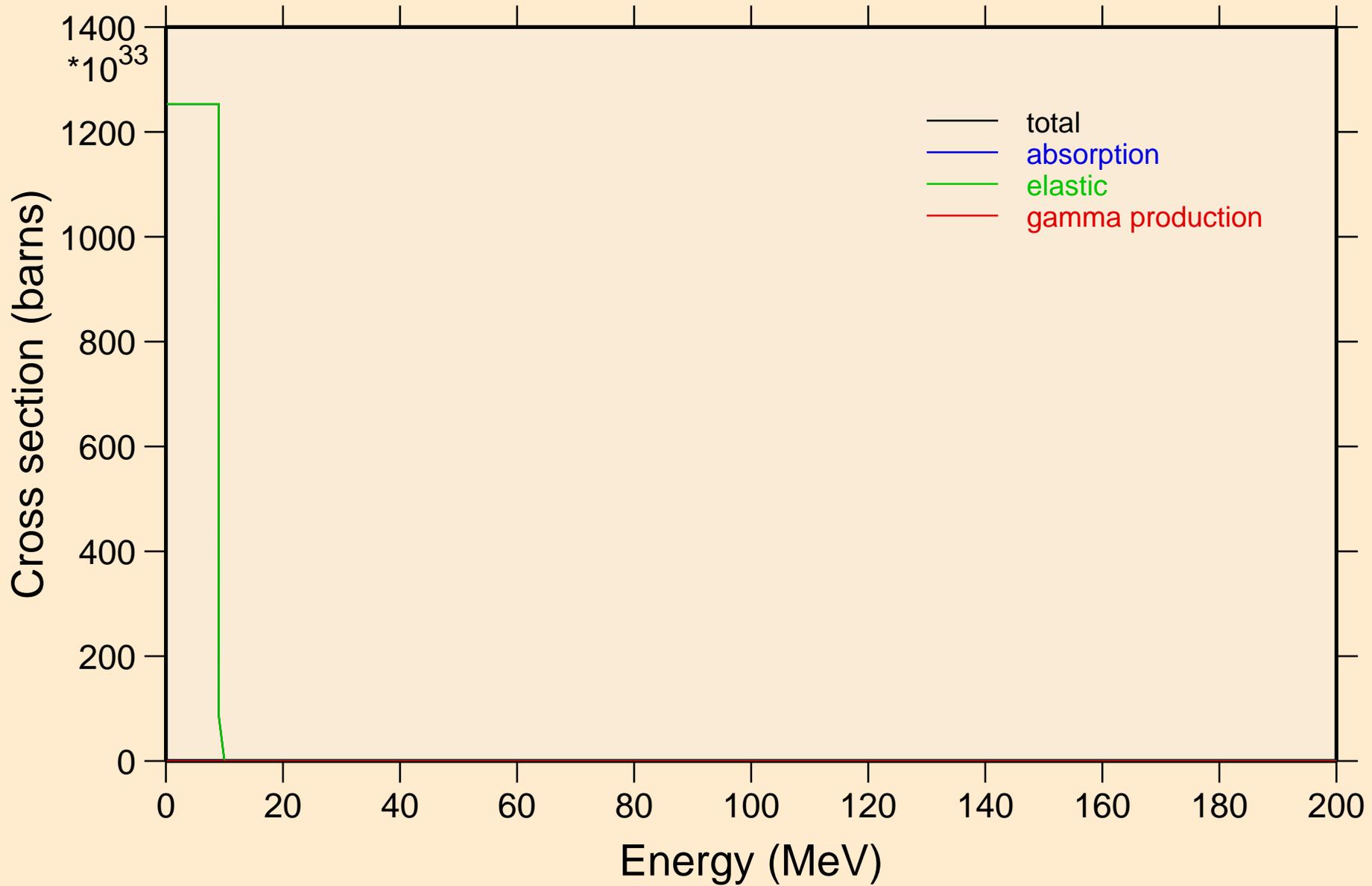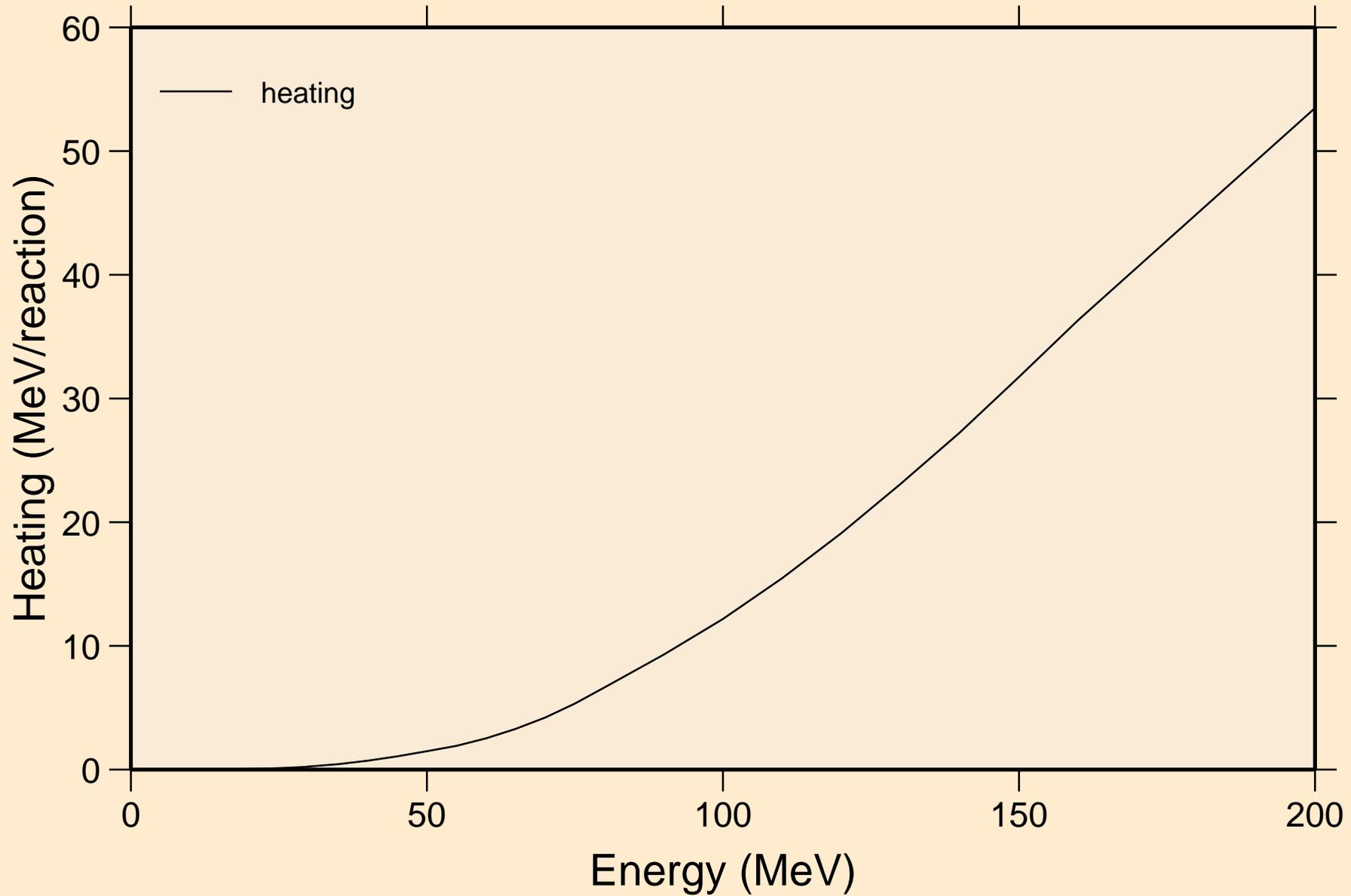RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Heating

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
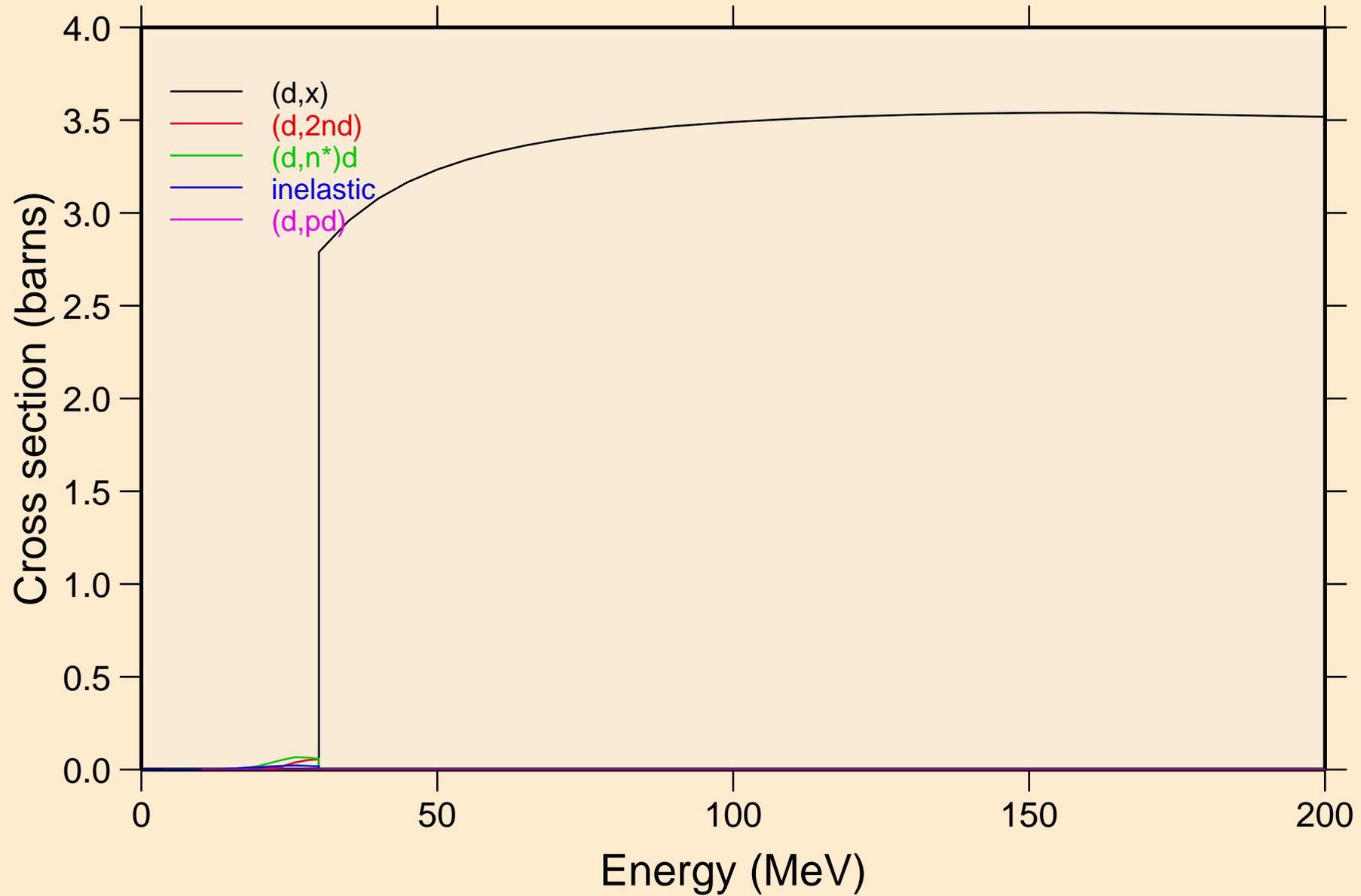Principal cross sections

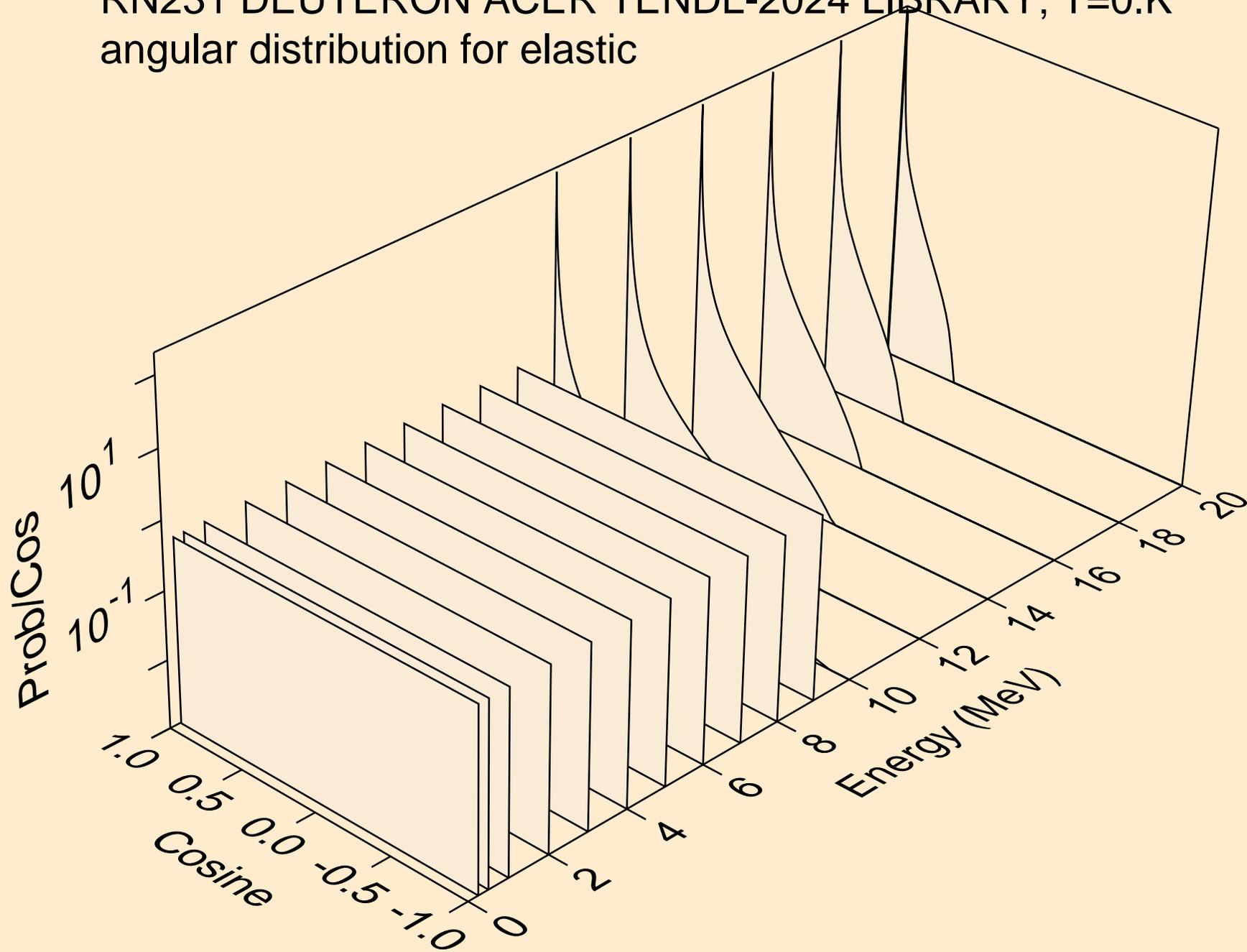RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
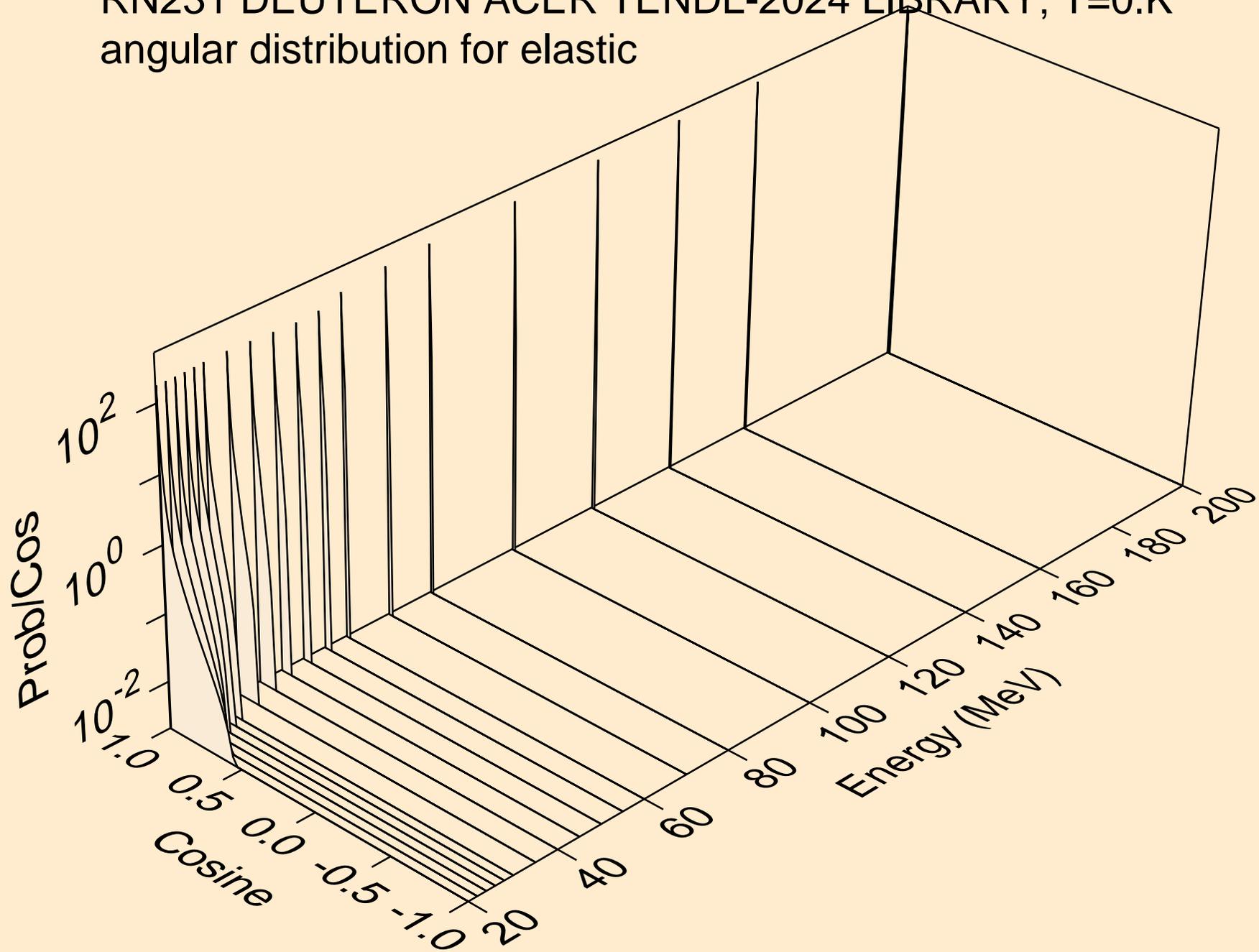Heating

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions

Legend:
- (d,x) — black
- (d,2nd) — red
- (d,n*)d — green
- inelastic — blue
- (d,pd) — magenta

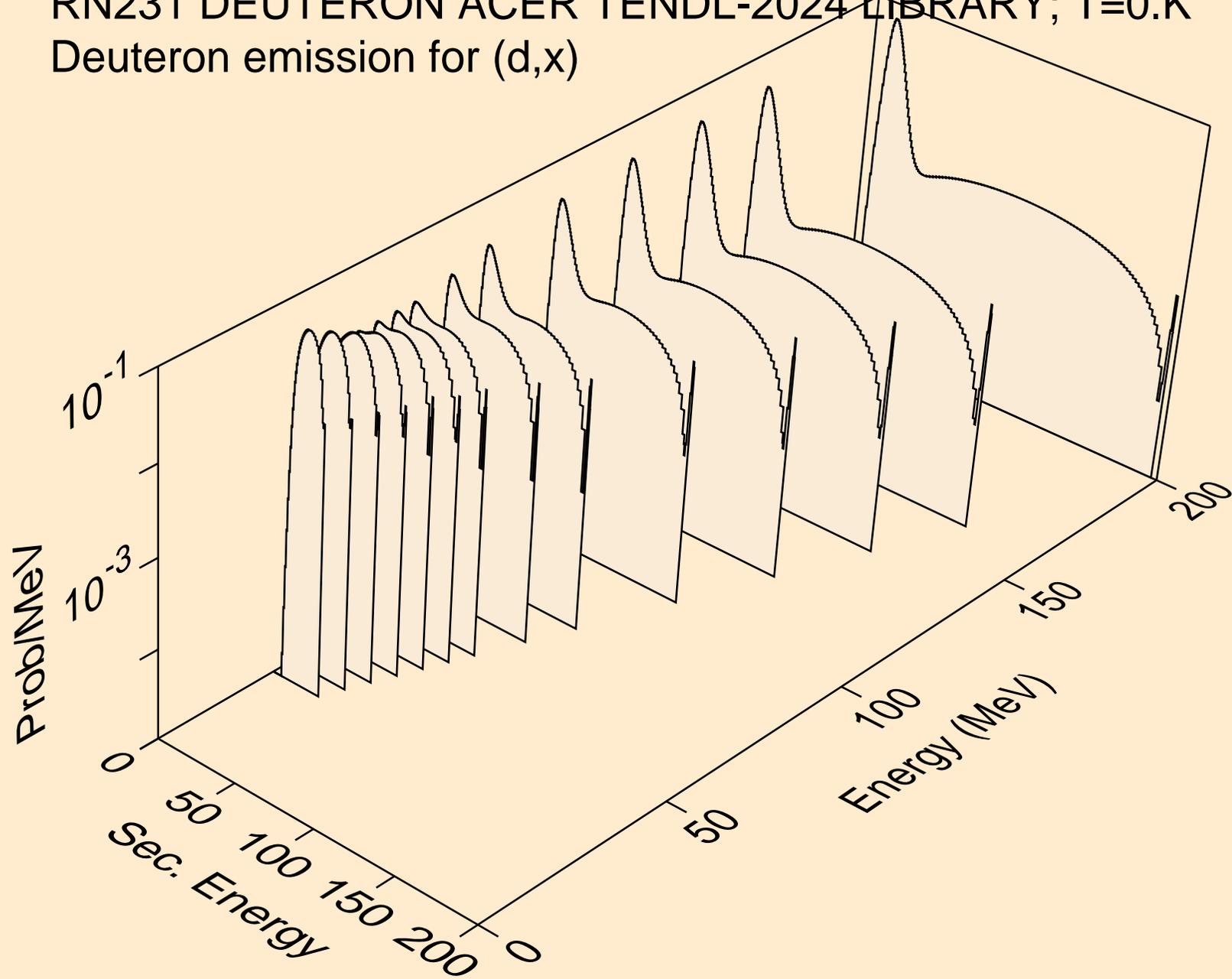X-axis: Energy (MeV)
Y-axis: Cross section (barns)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
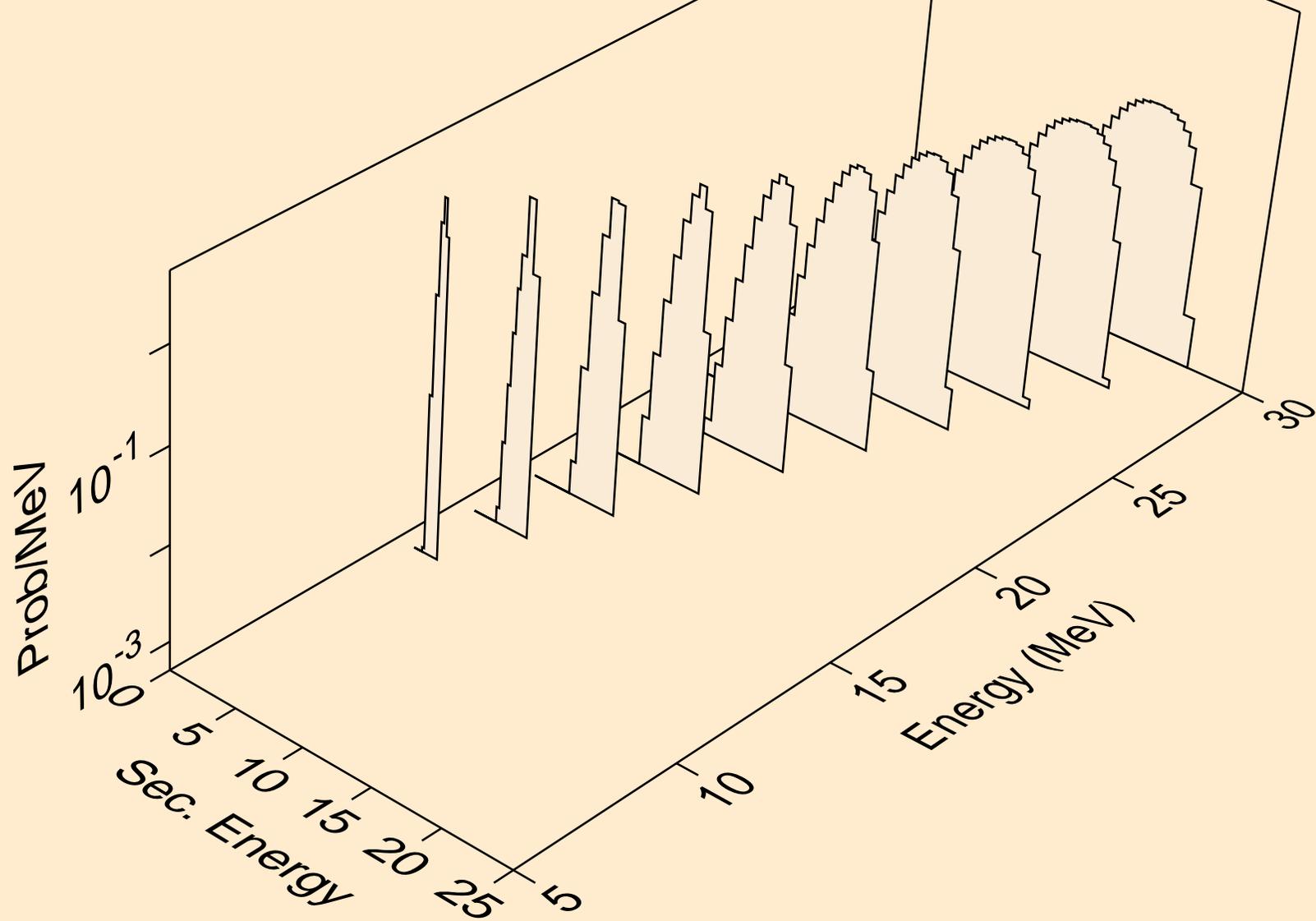angular distribution for elastic

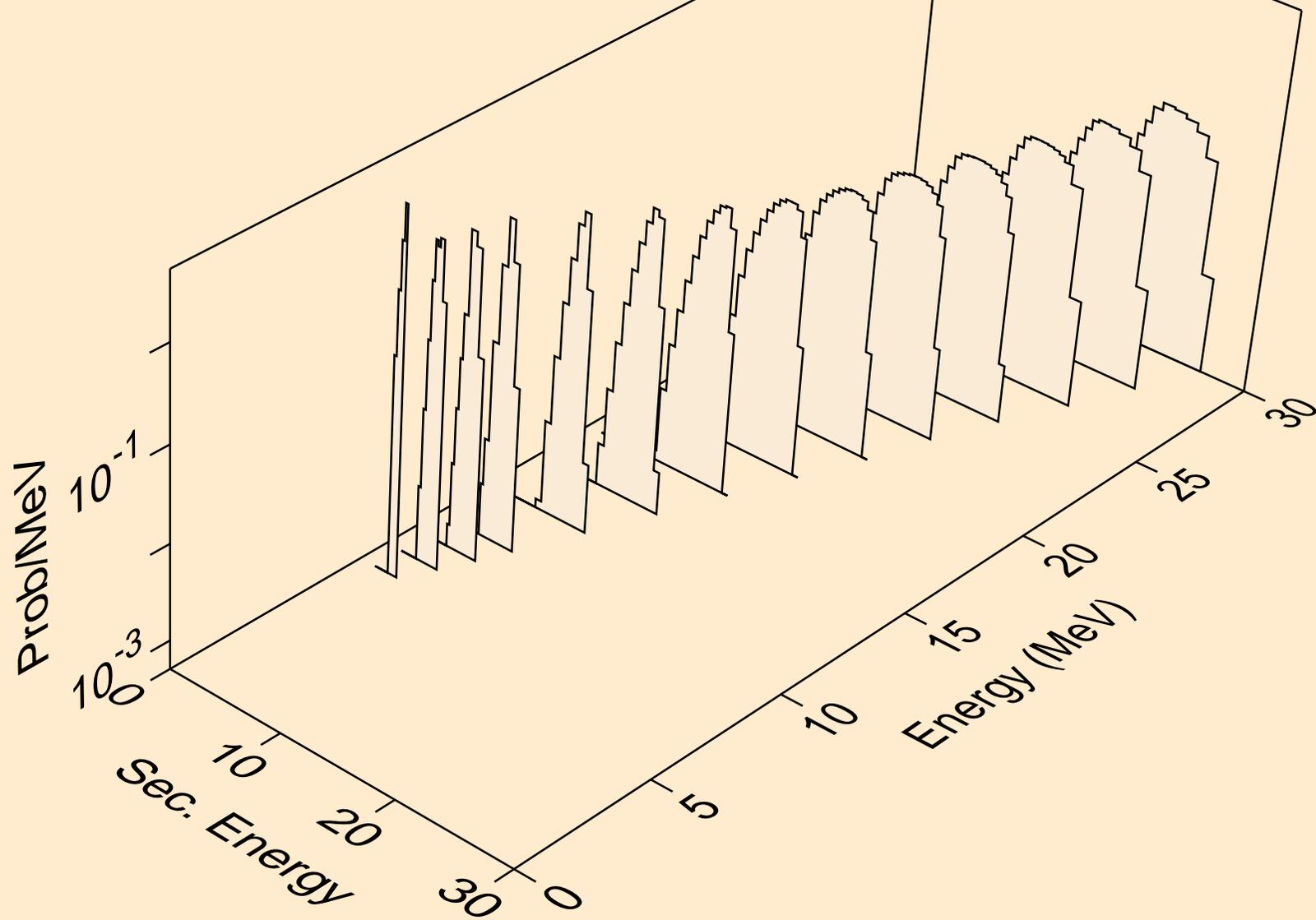RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
angular distribution for elastic

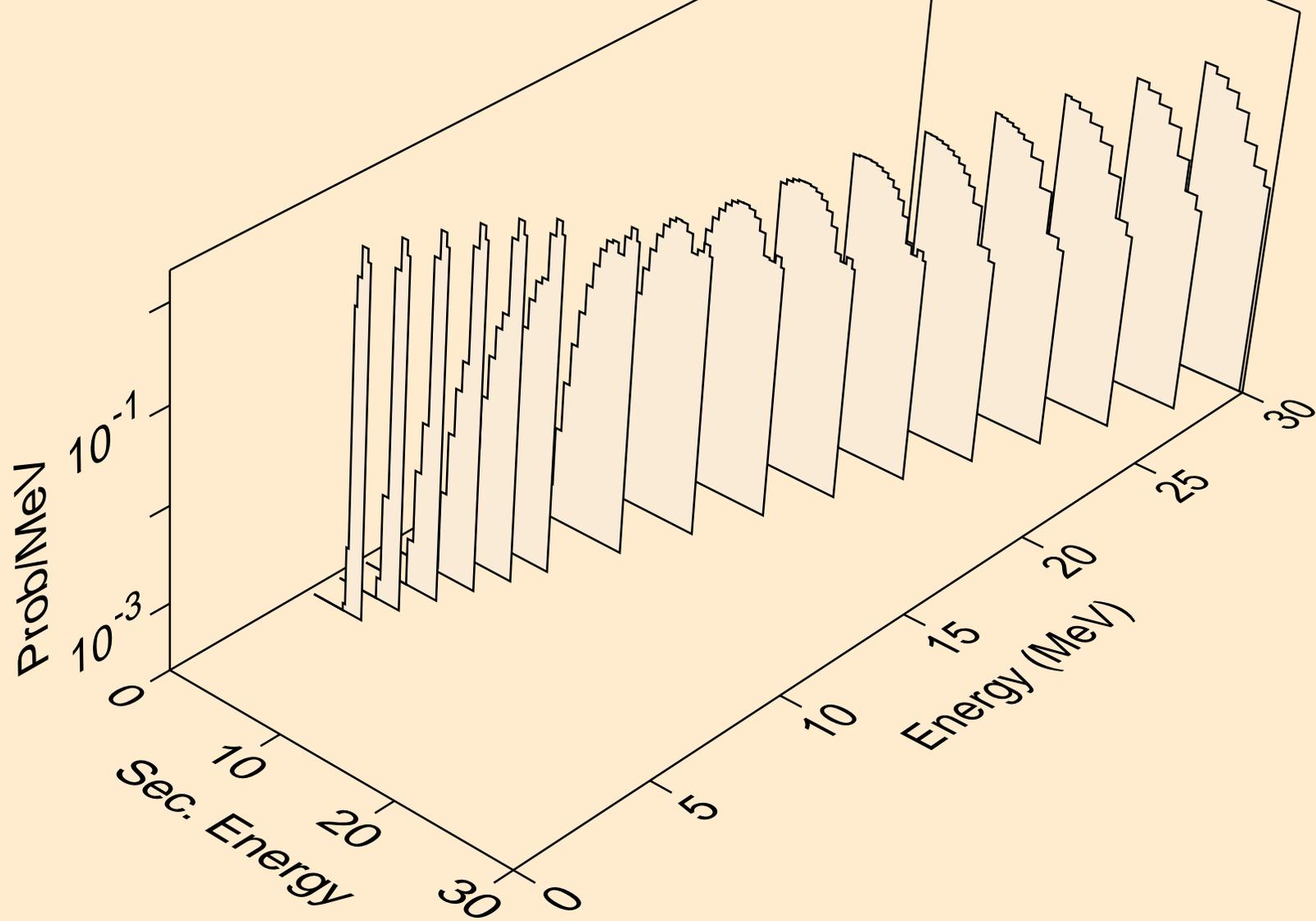RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Deuteron emission for (d,x)

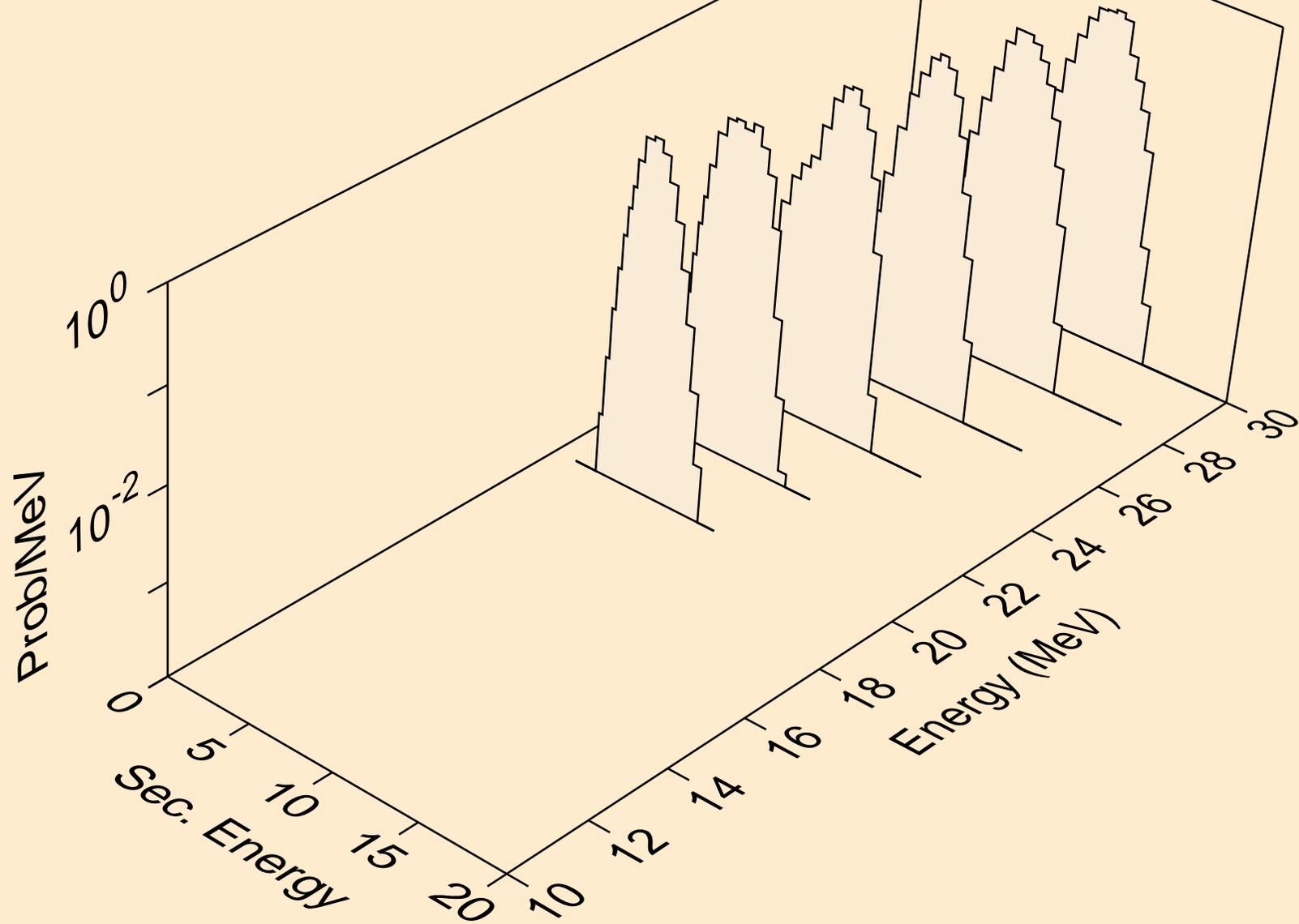RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Deuteron emission for (d,2nd)

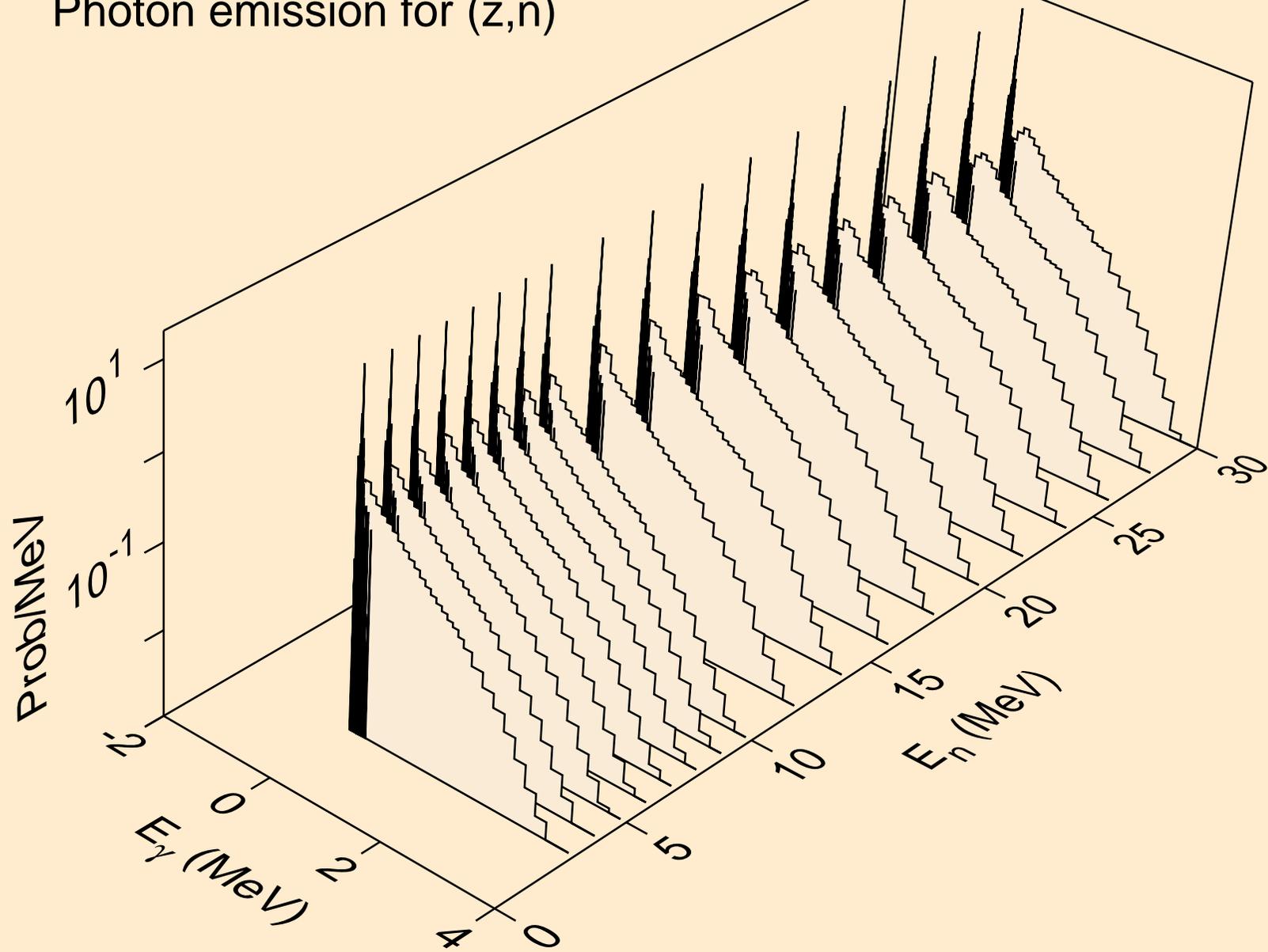RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Deuteron emission for (d,n*)d

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
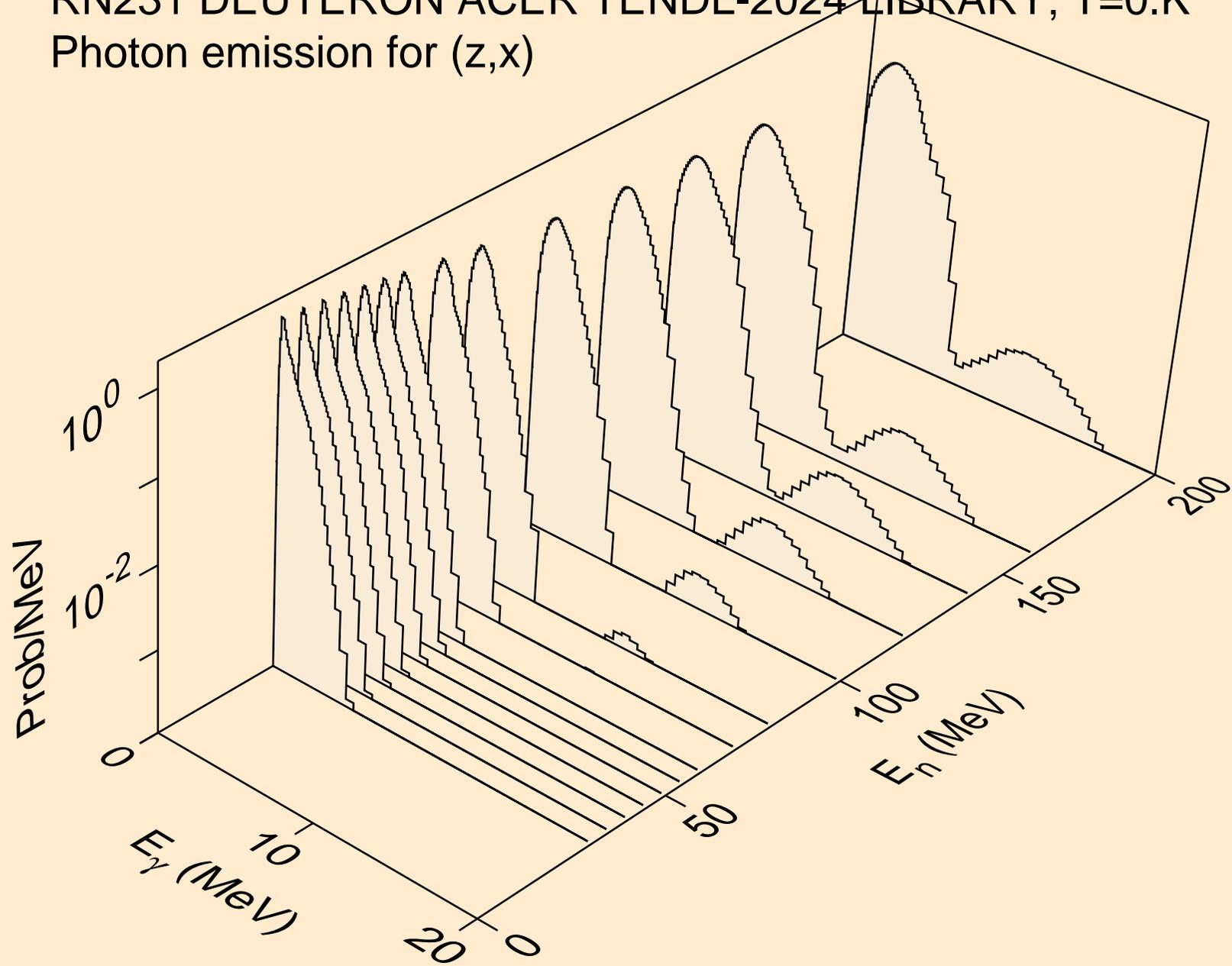Deuteron emission for inelastic

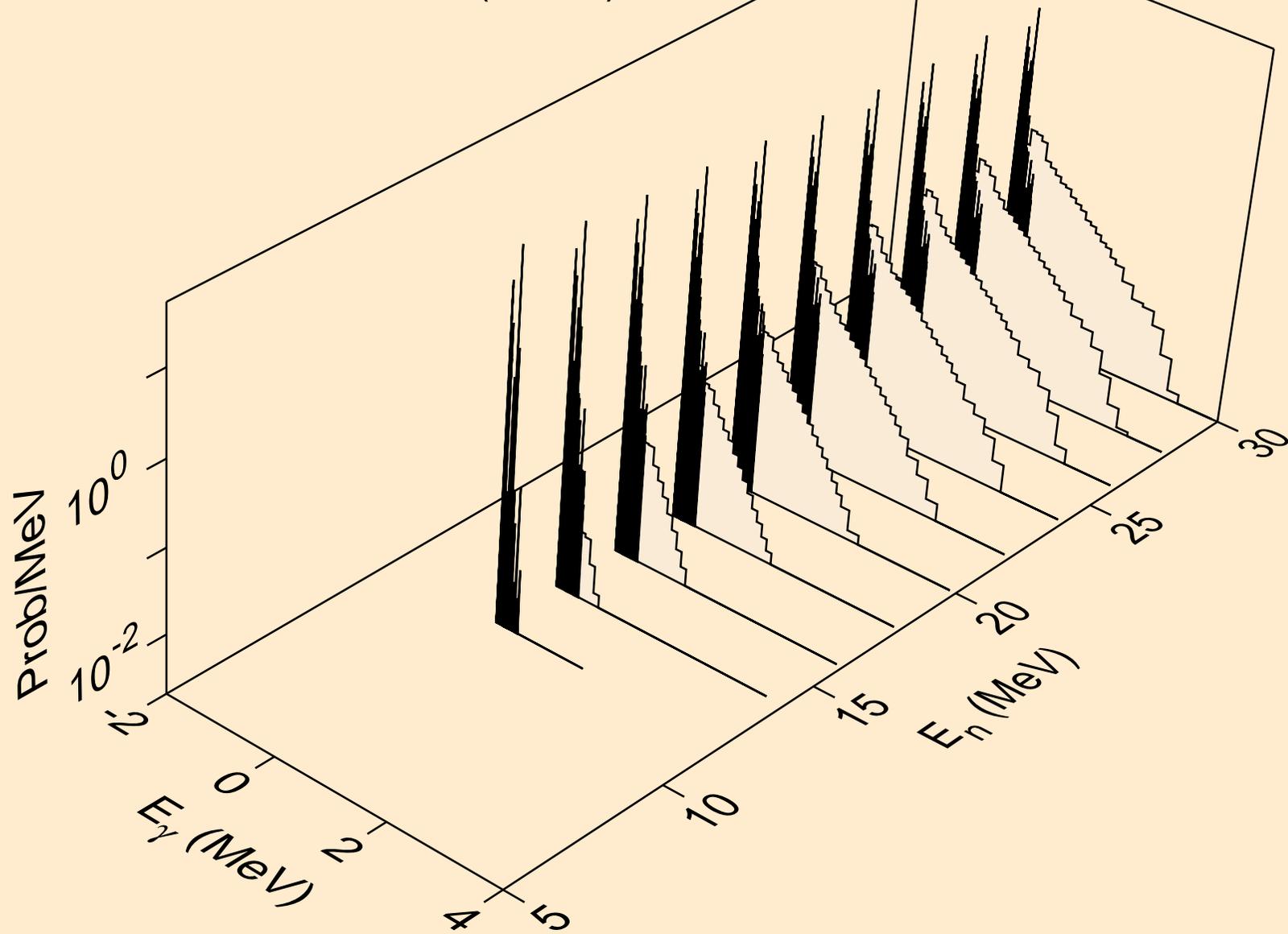RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Deuteron emission for (d,pd)

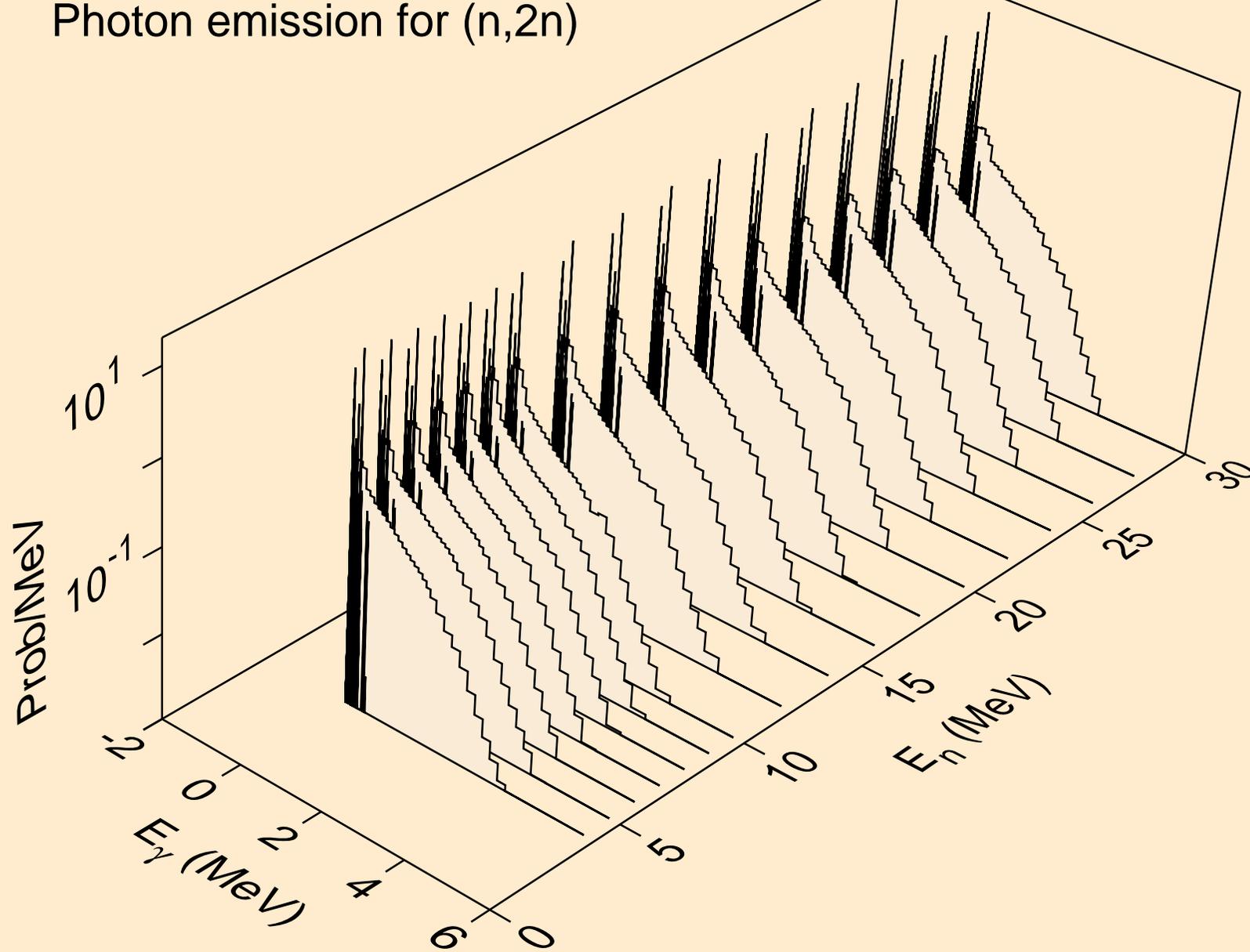RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,n)

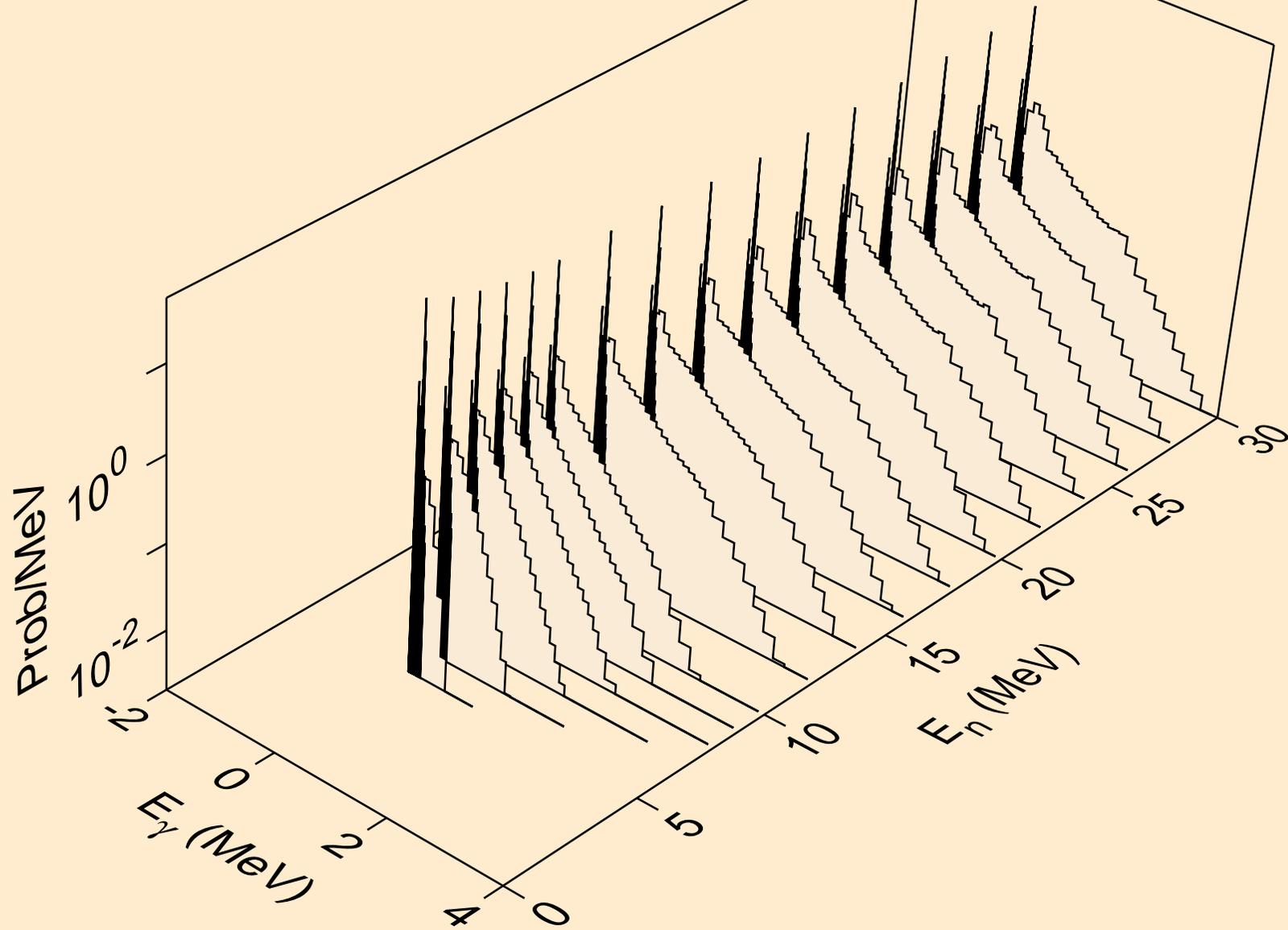RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (z,x)

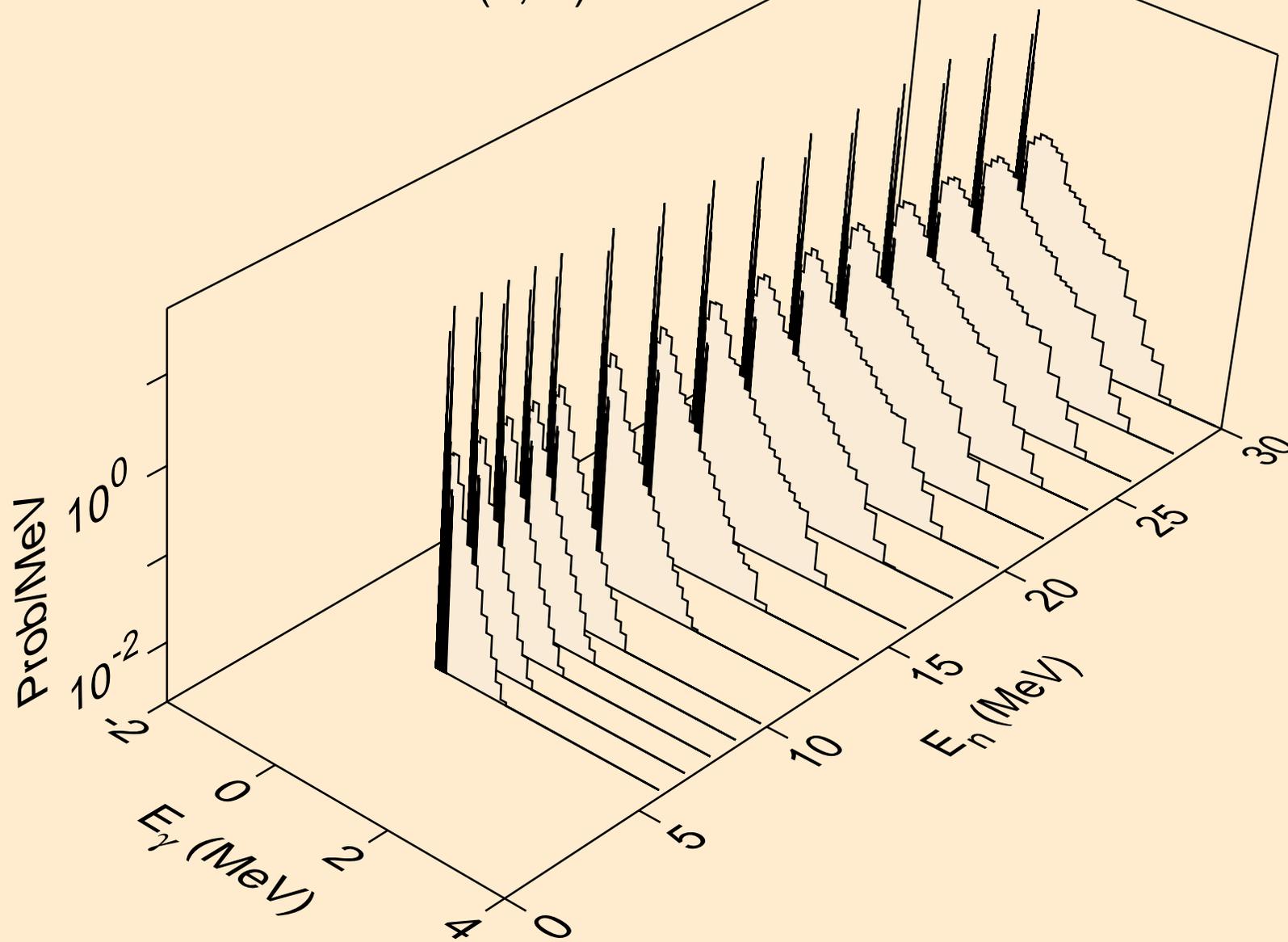RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2nd)

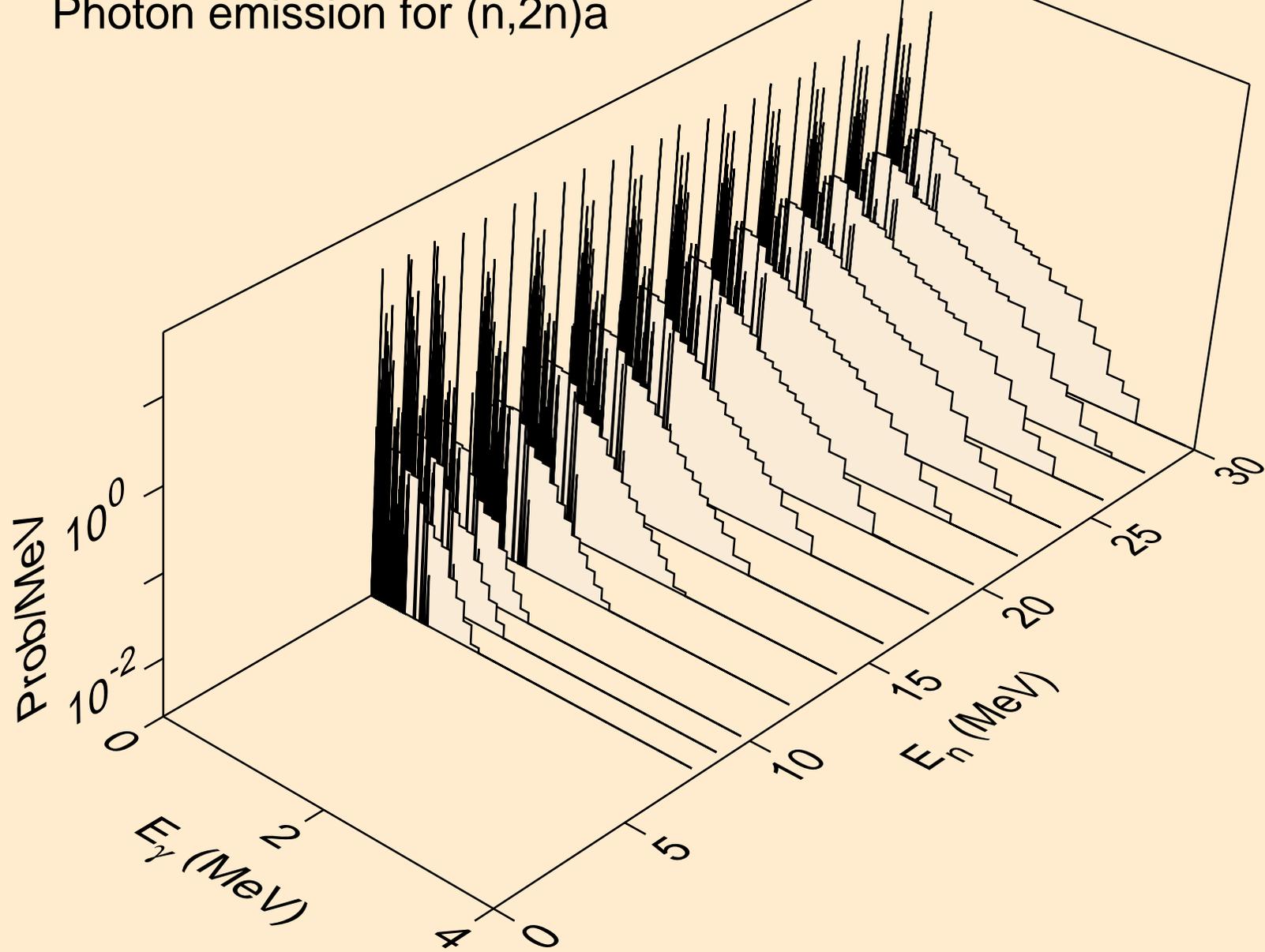RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)

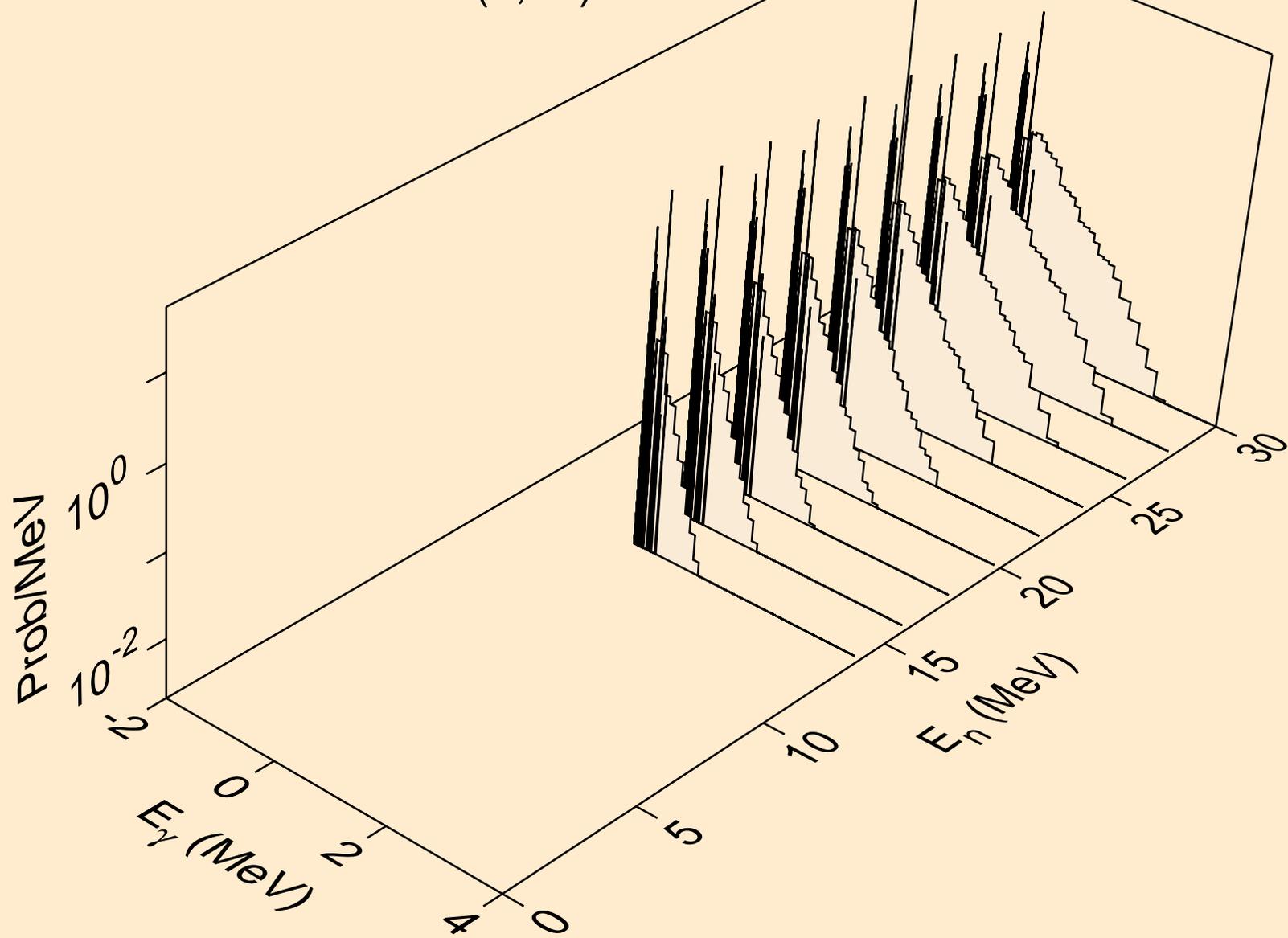RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)

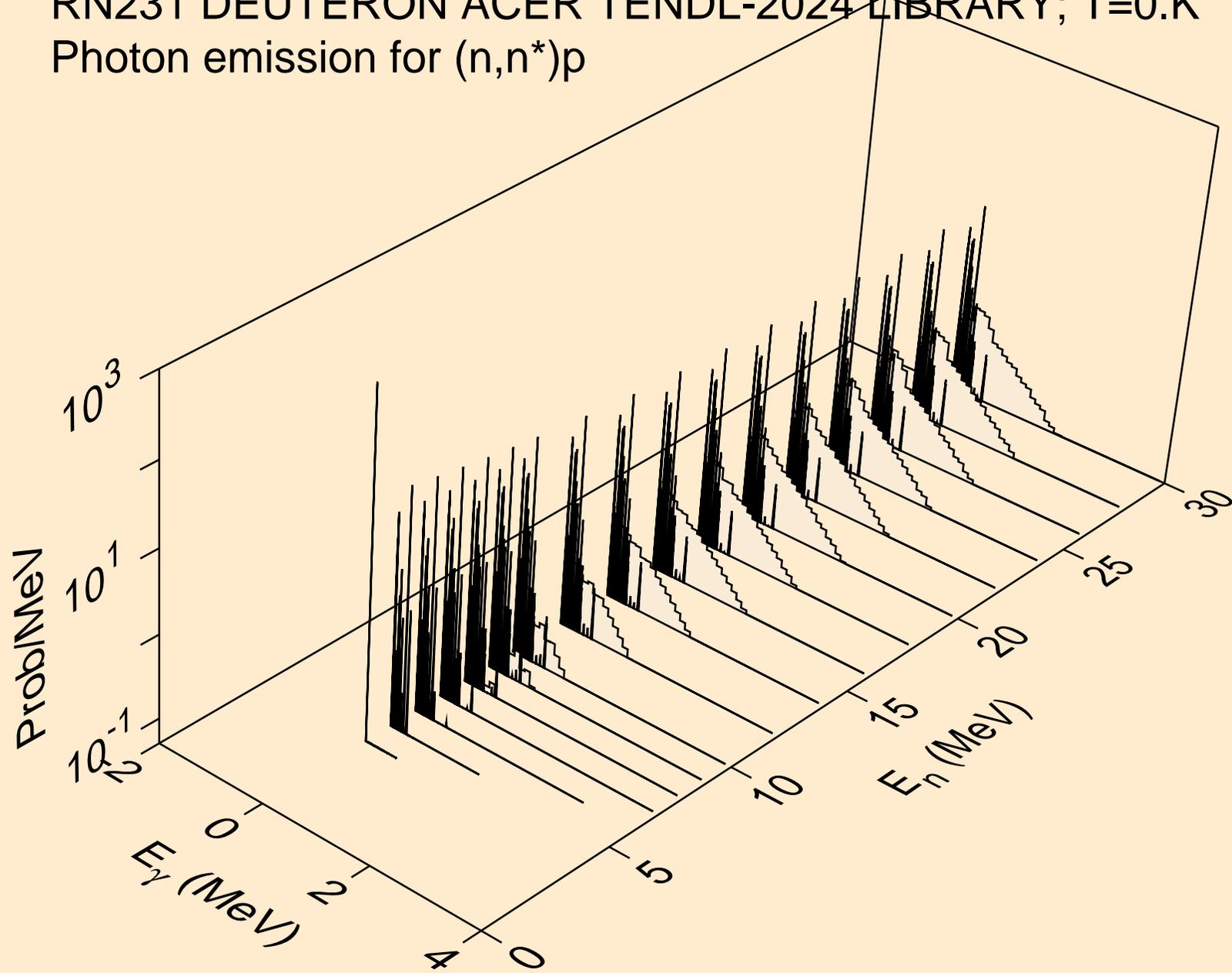RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)a

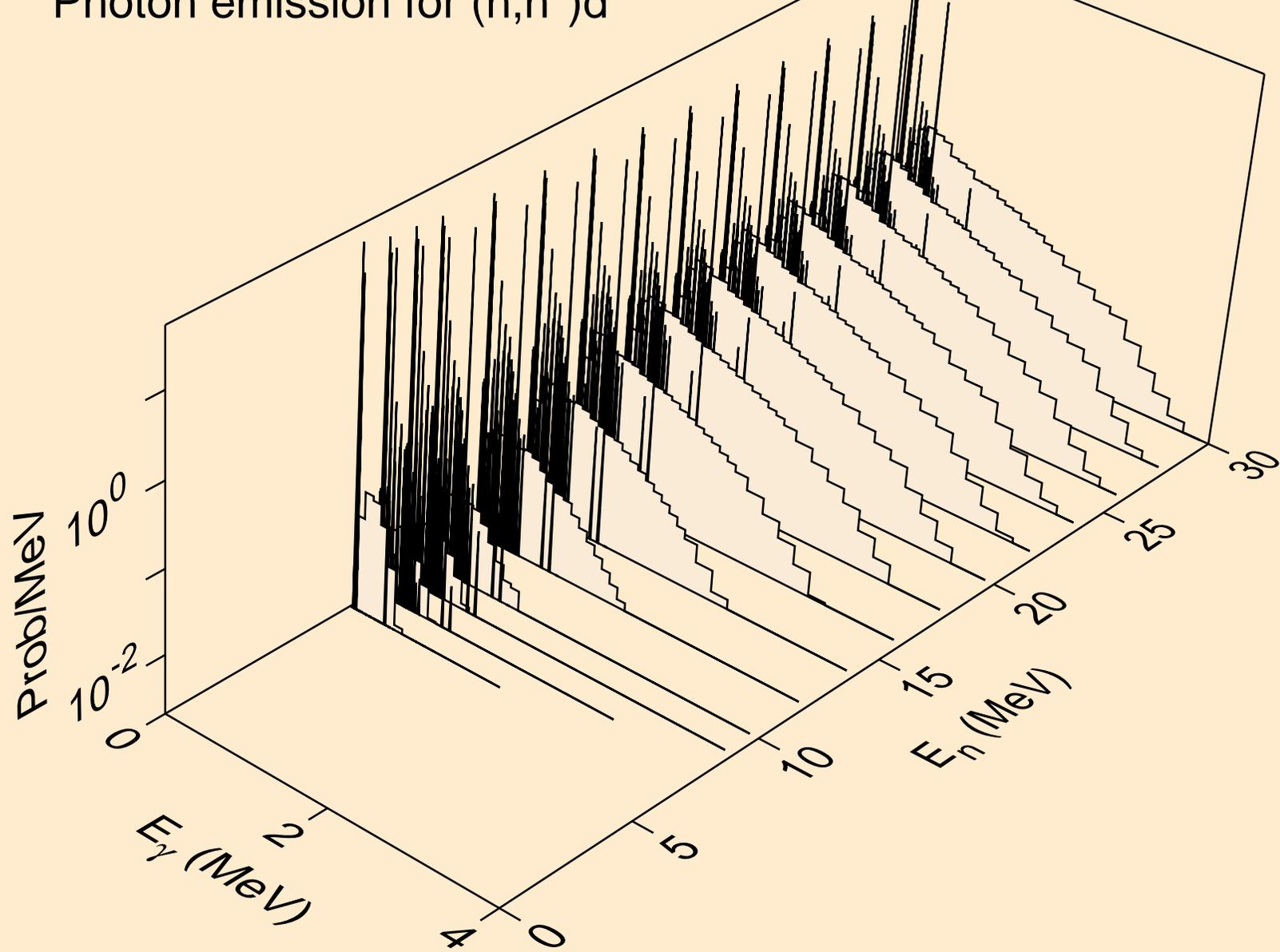RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)a

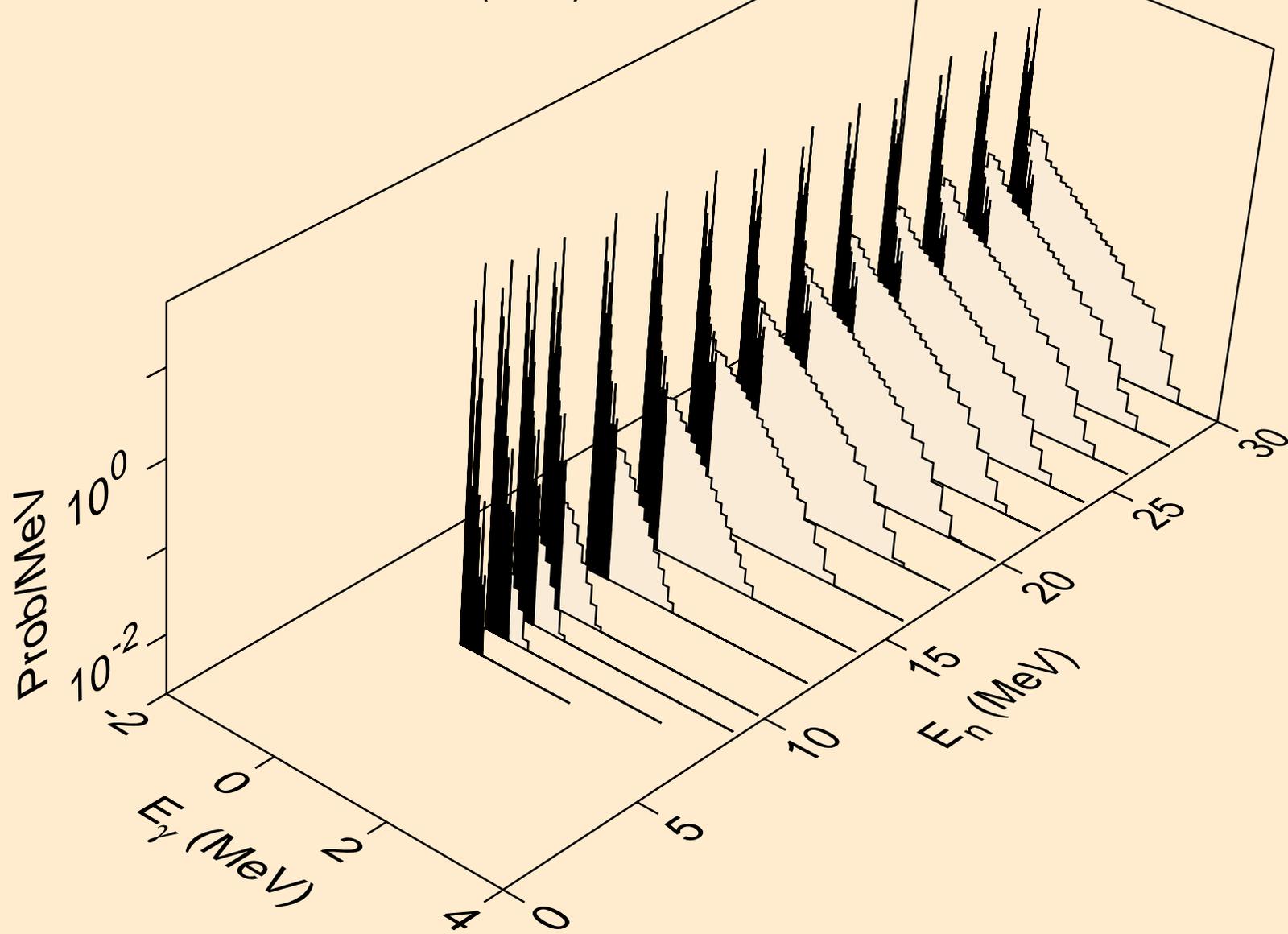RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3n)a

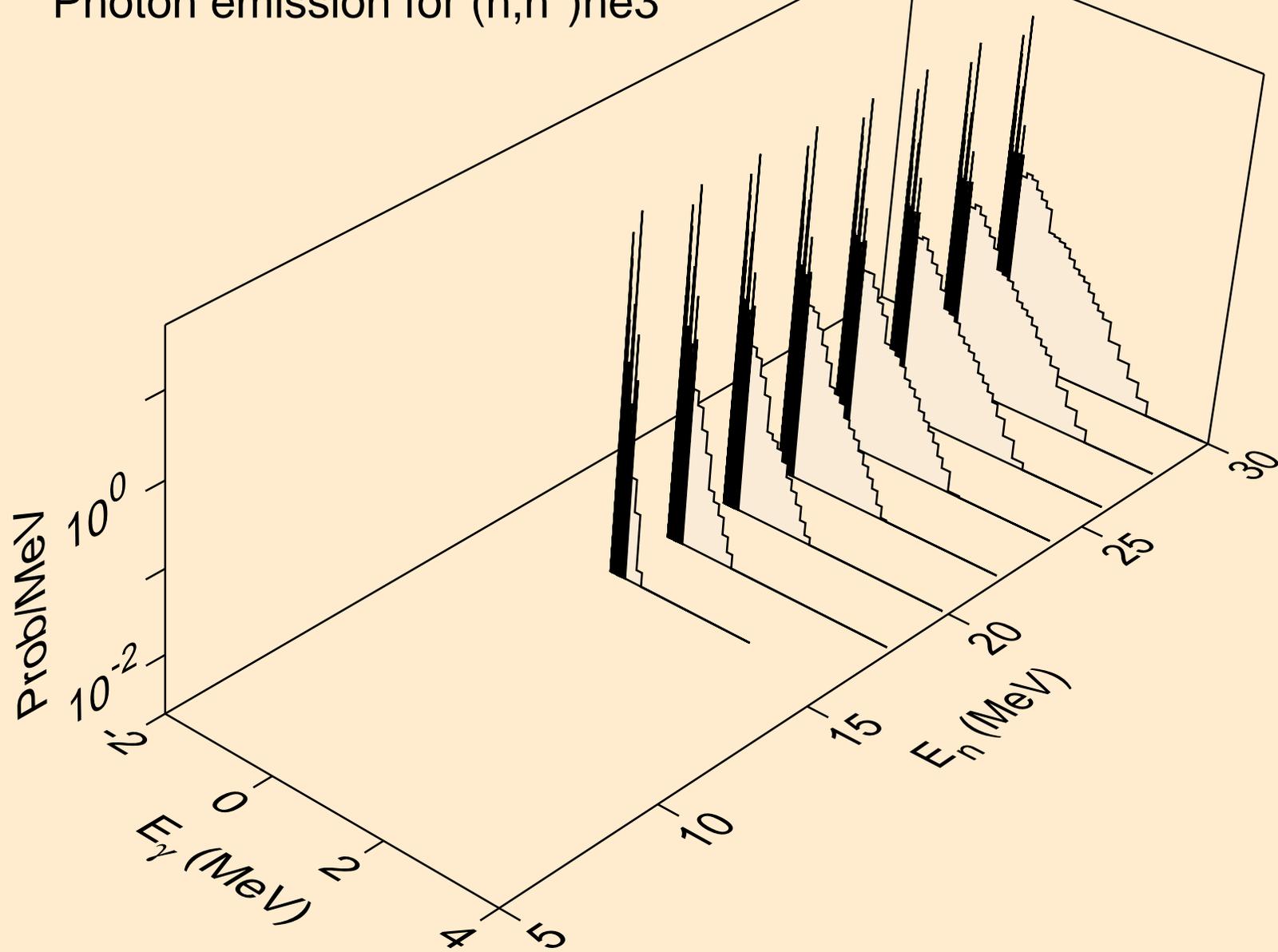RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)p

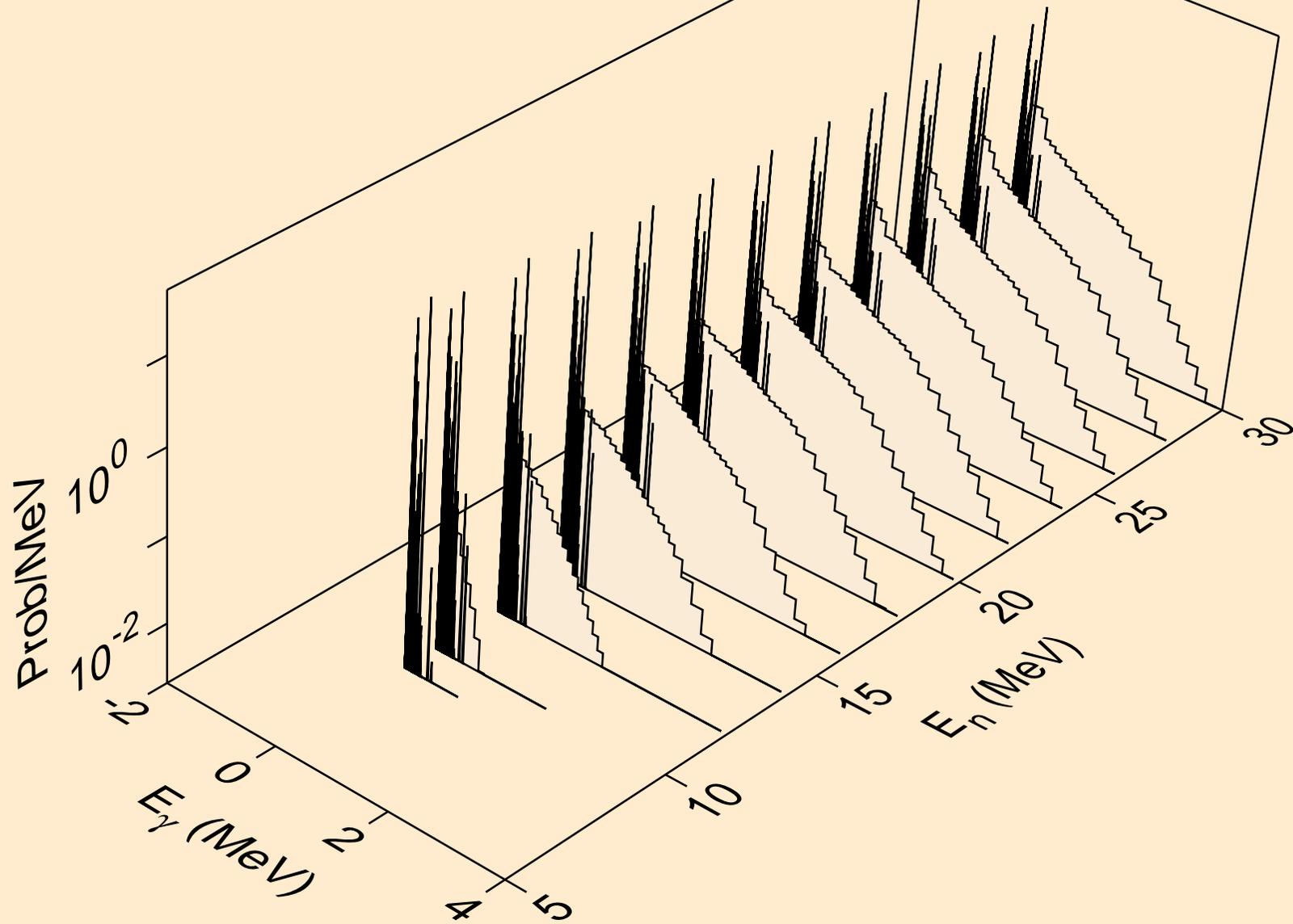RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)d

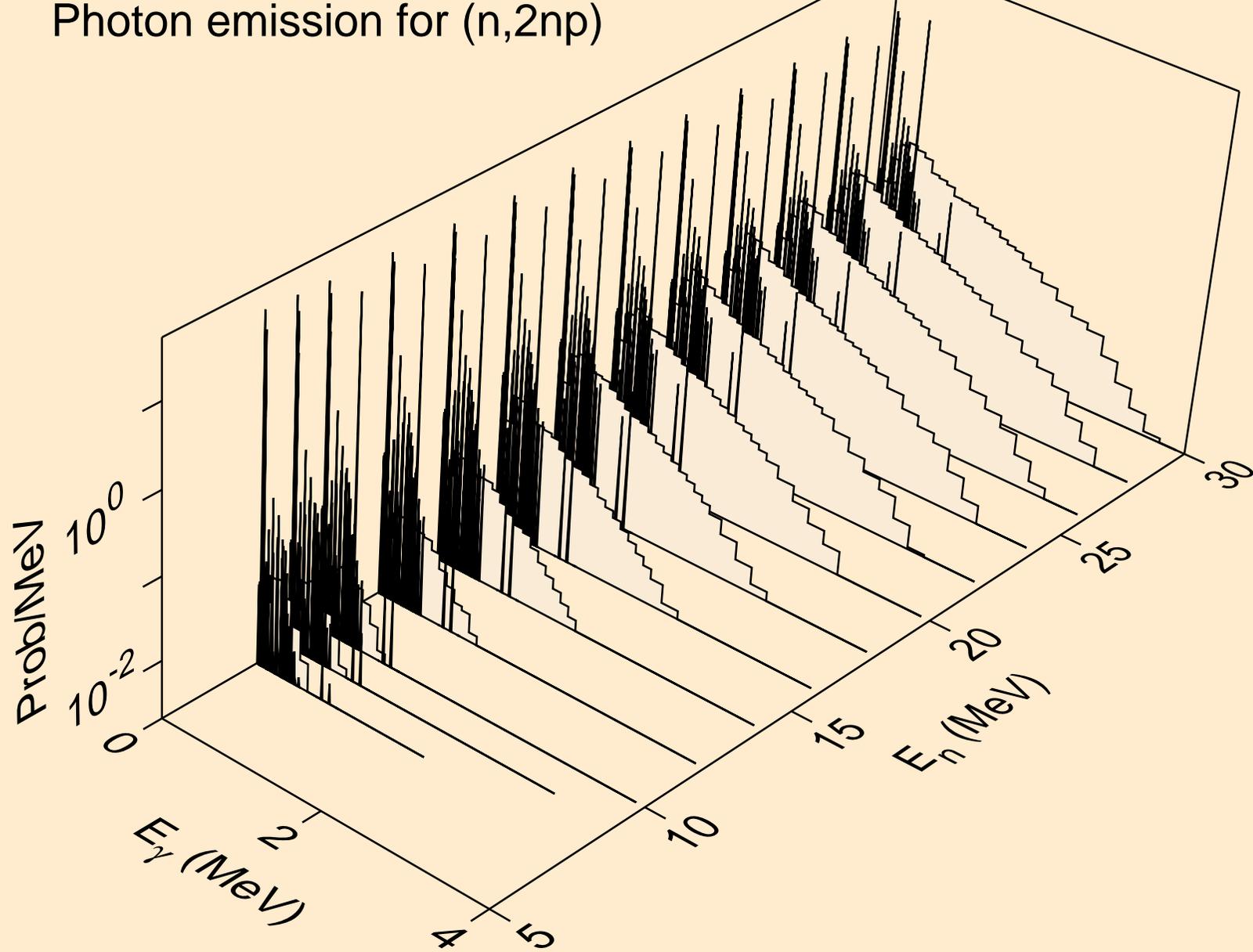RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)t

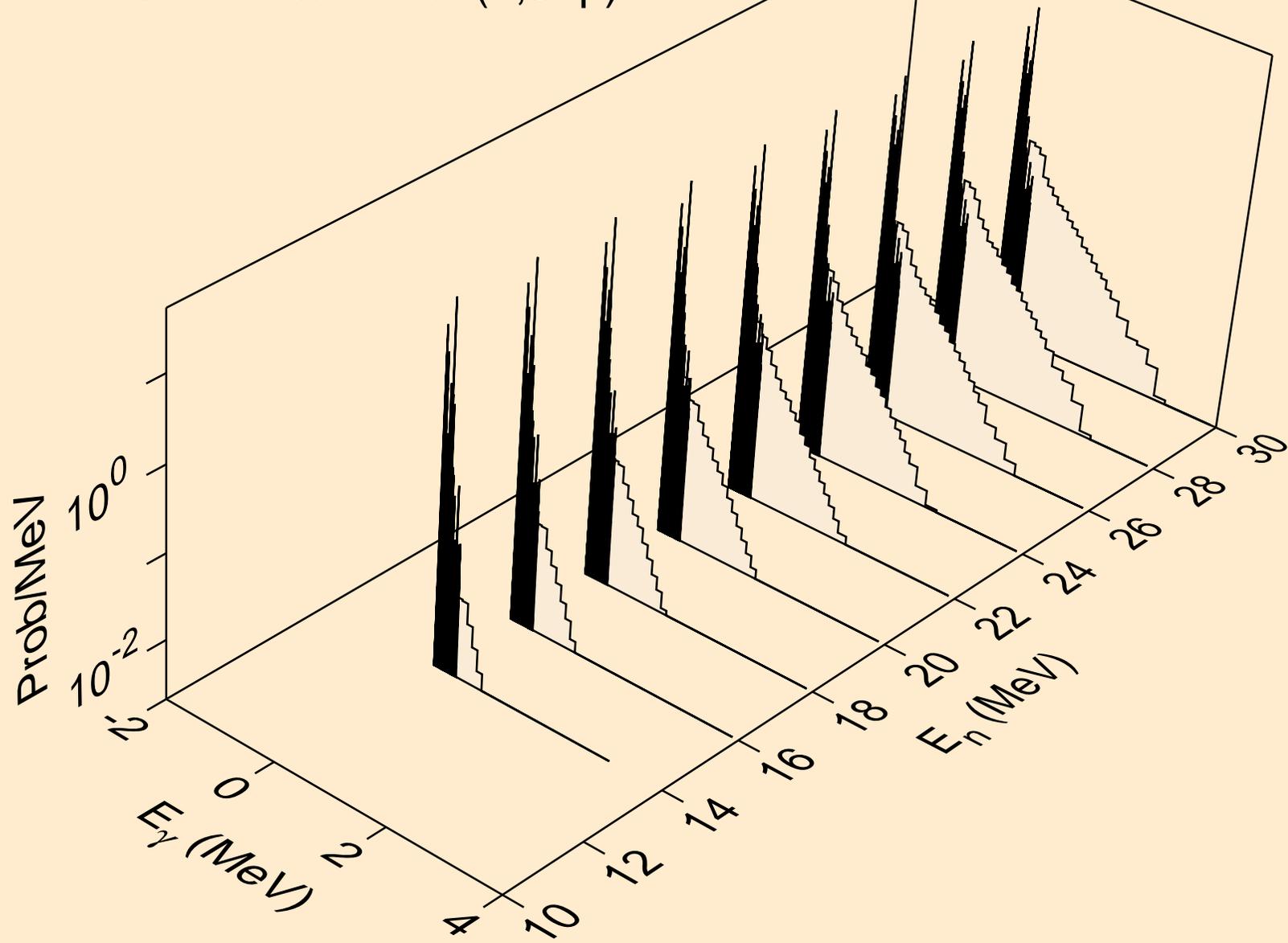RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n*)he3

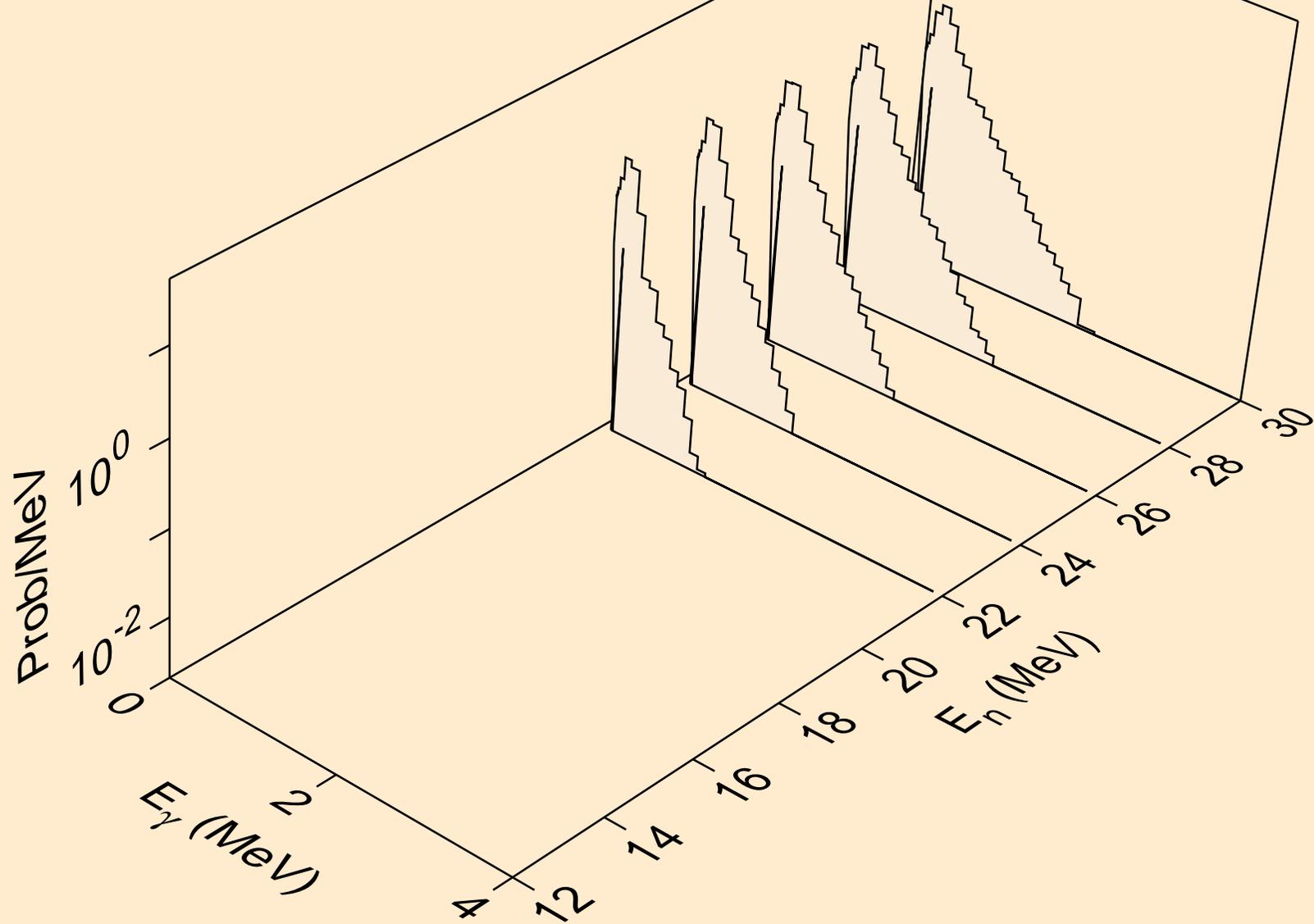RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,4n)

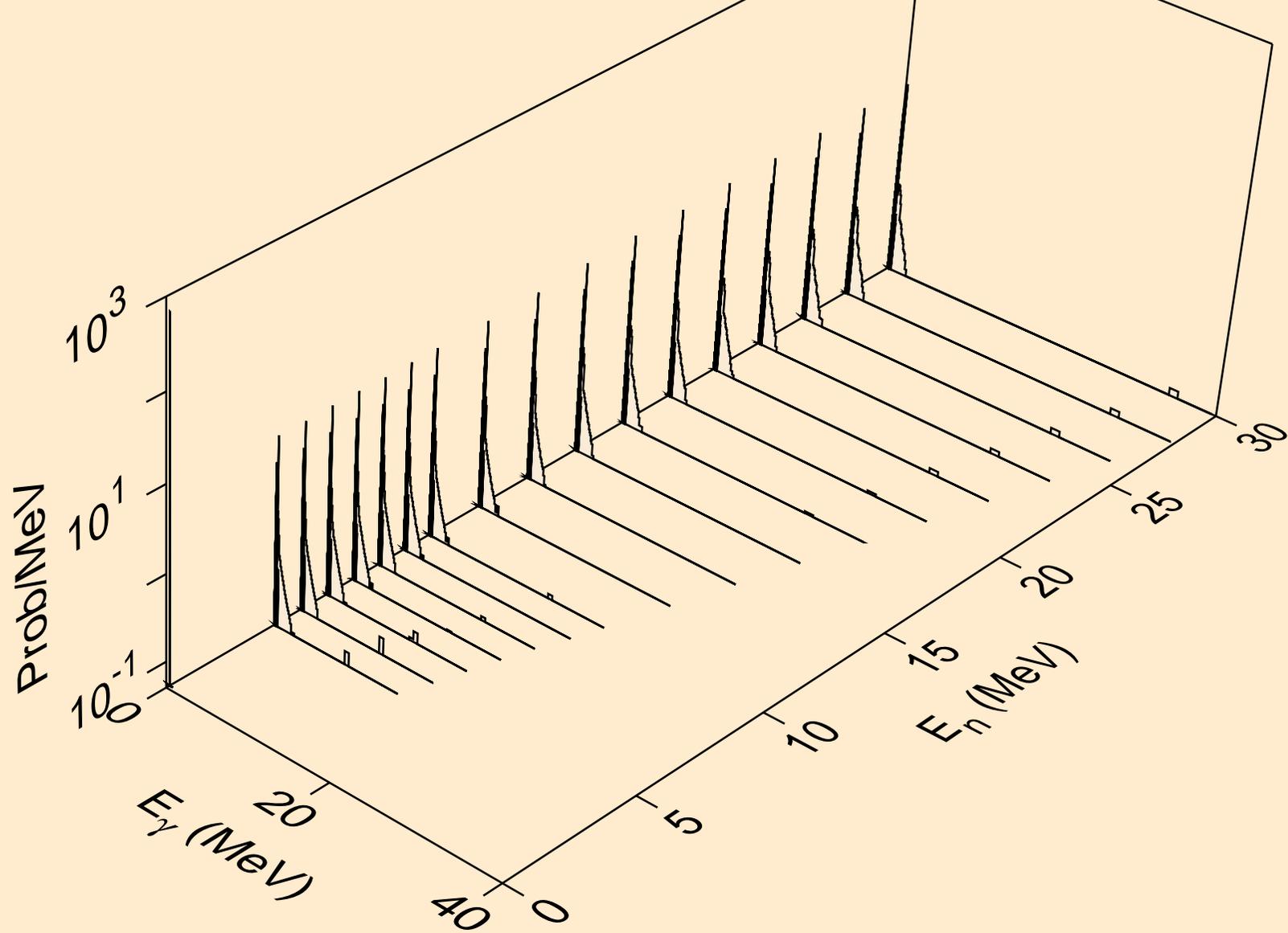RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2np)

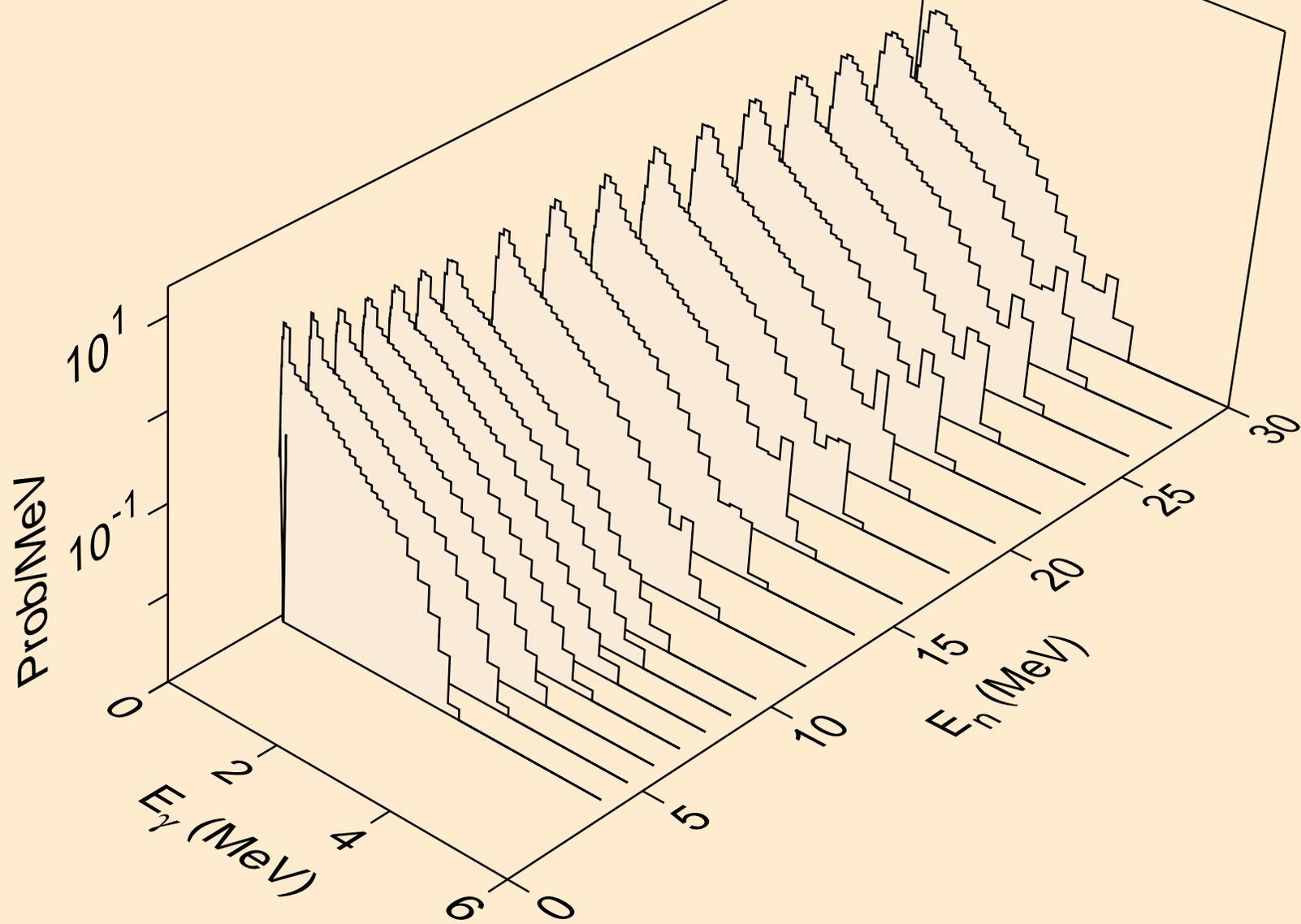RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,3np)

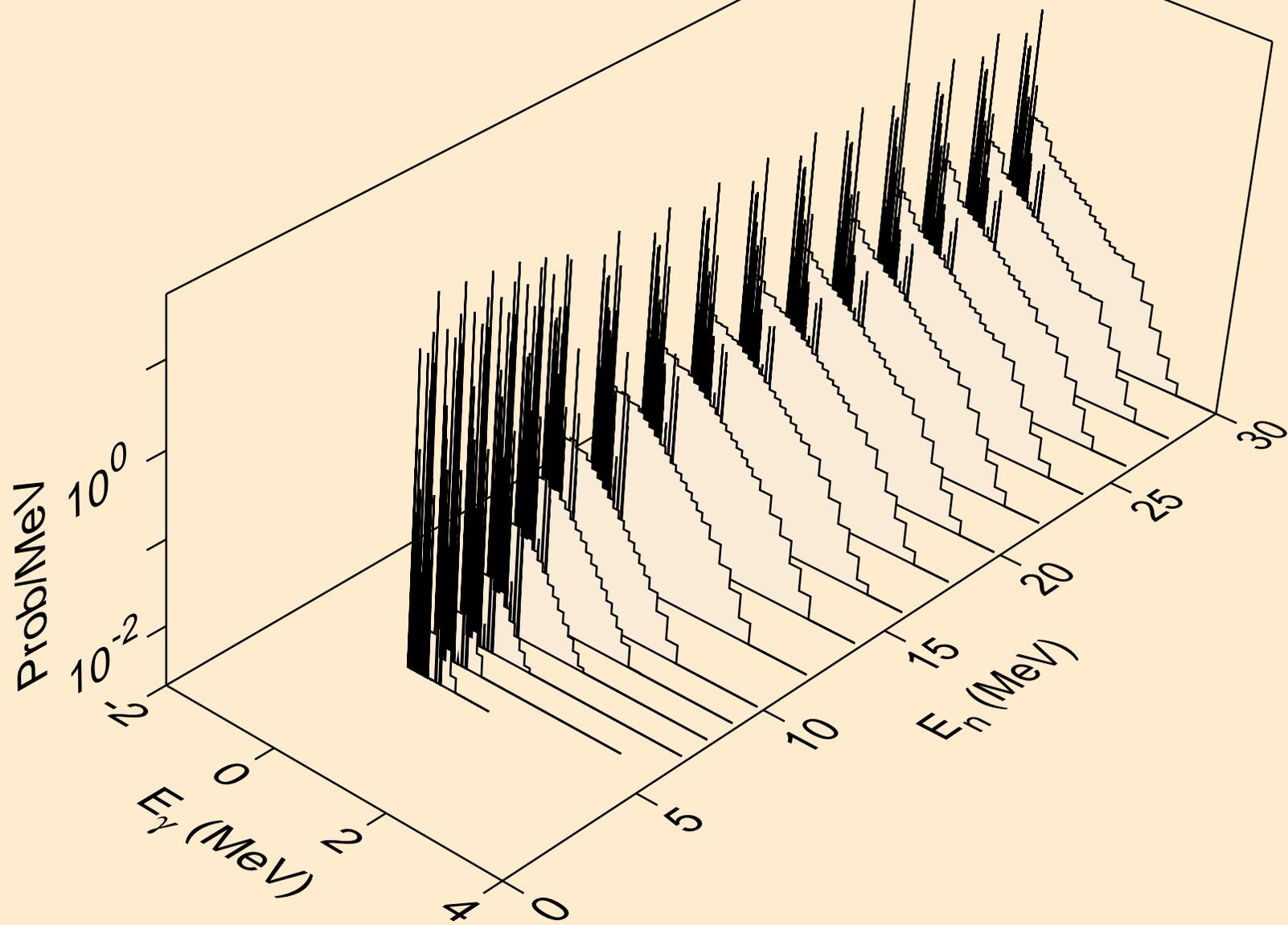RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,n2p)

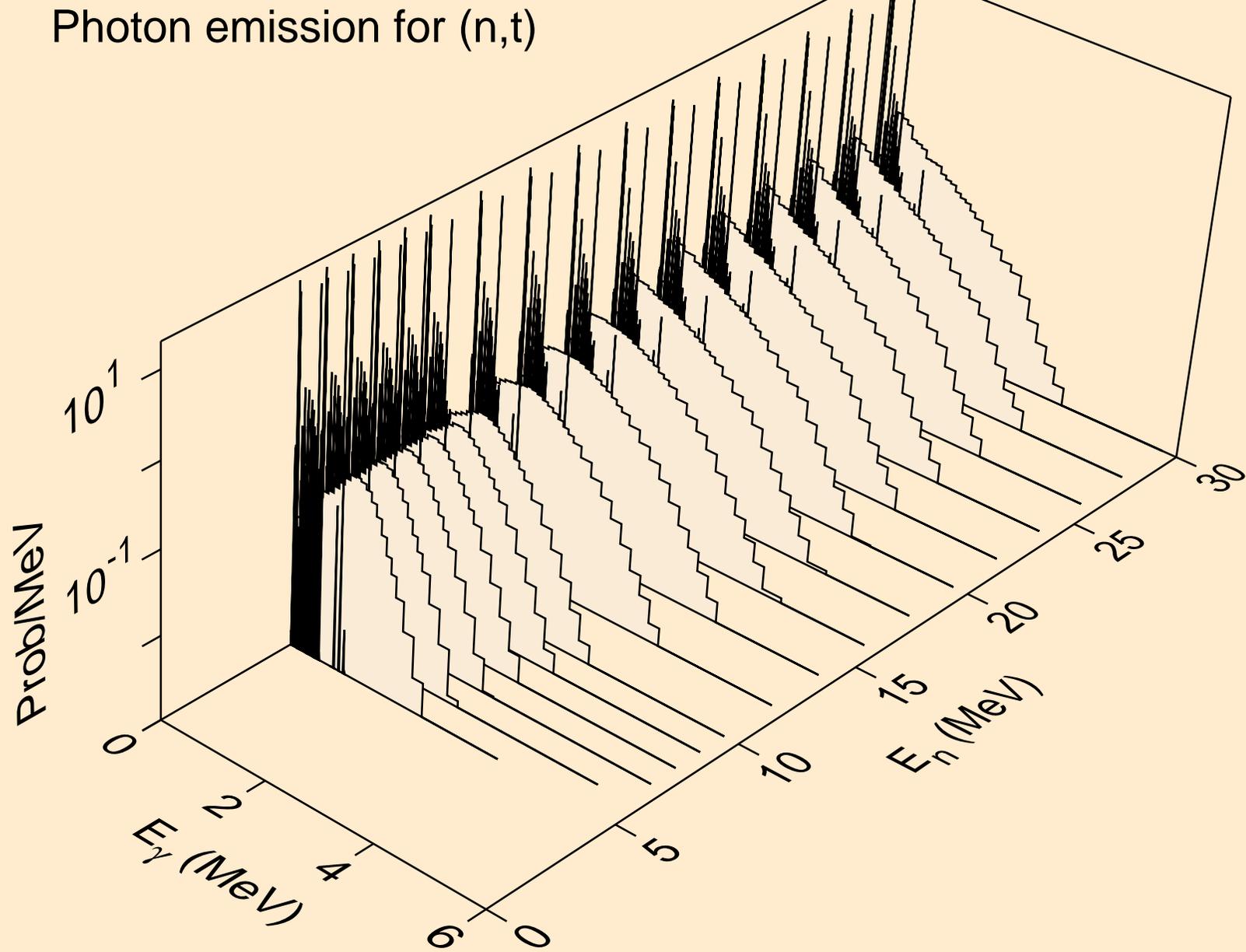RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,gma)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
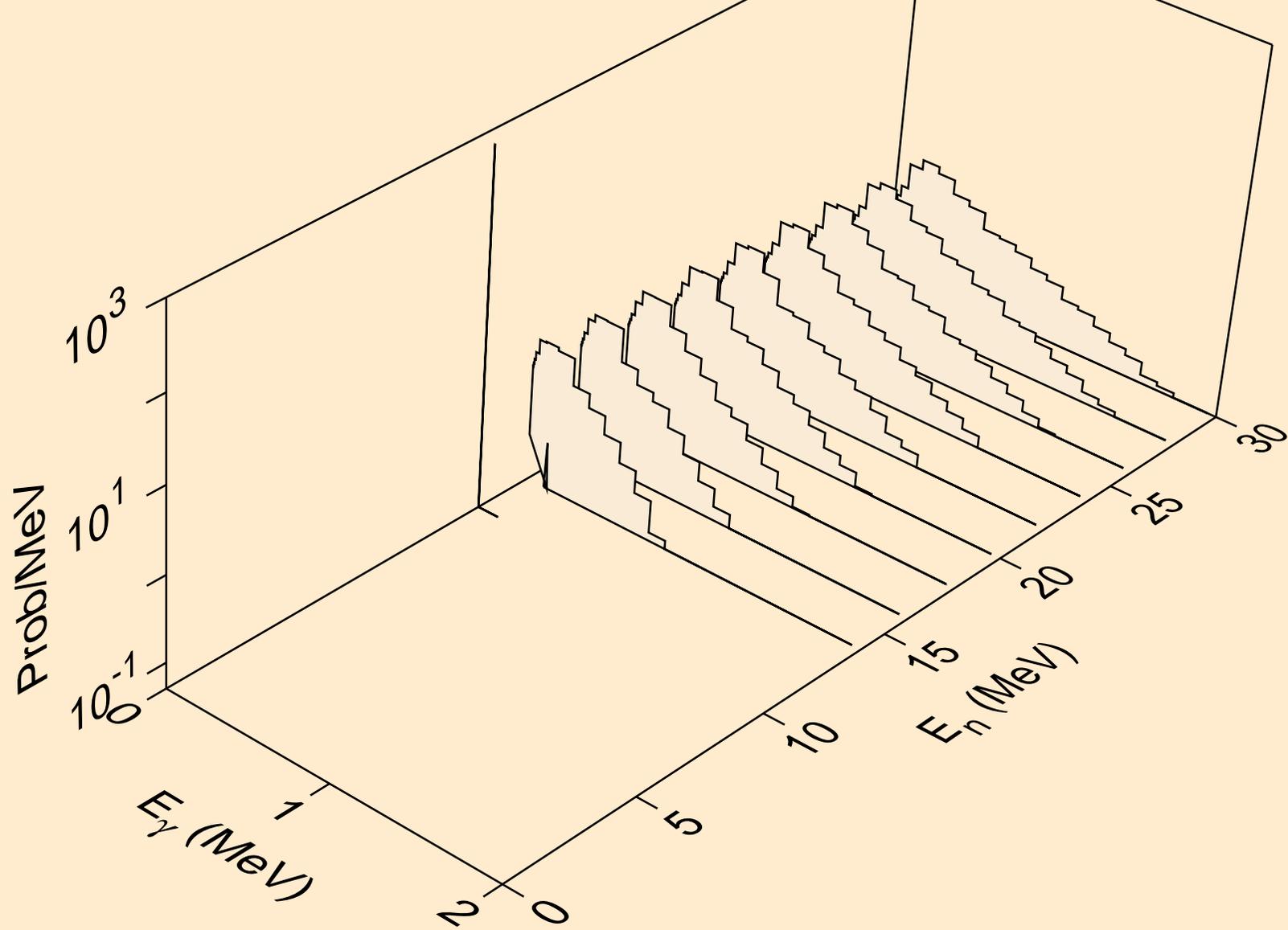Photon emission for (n,p)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
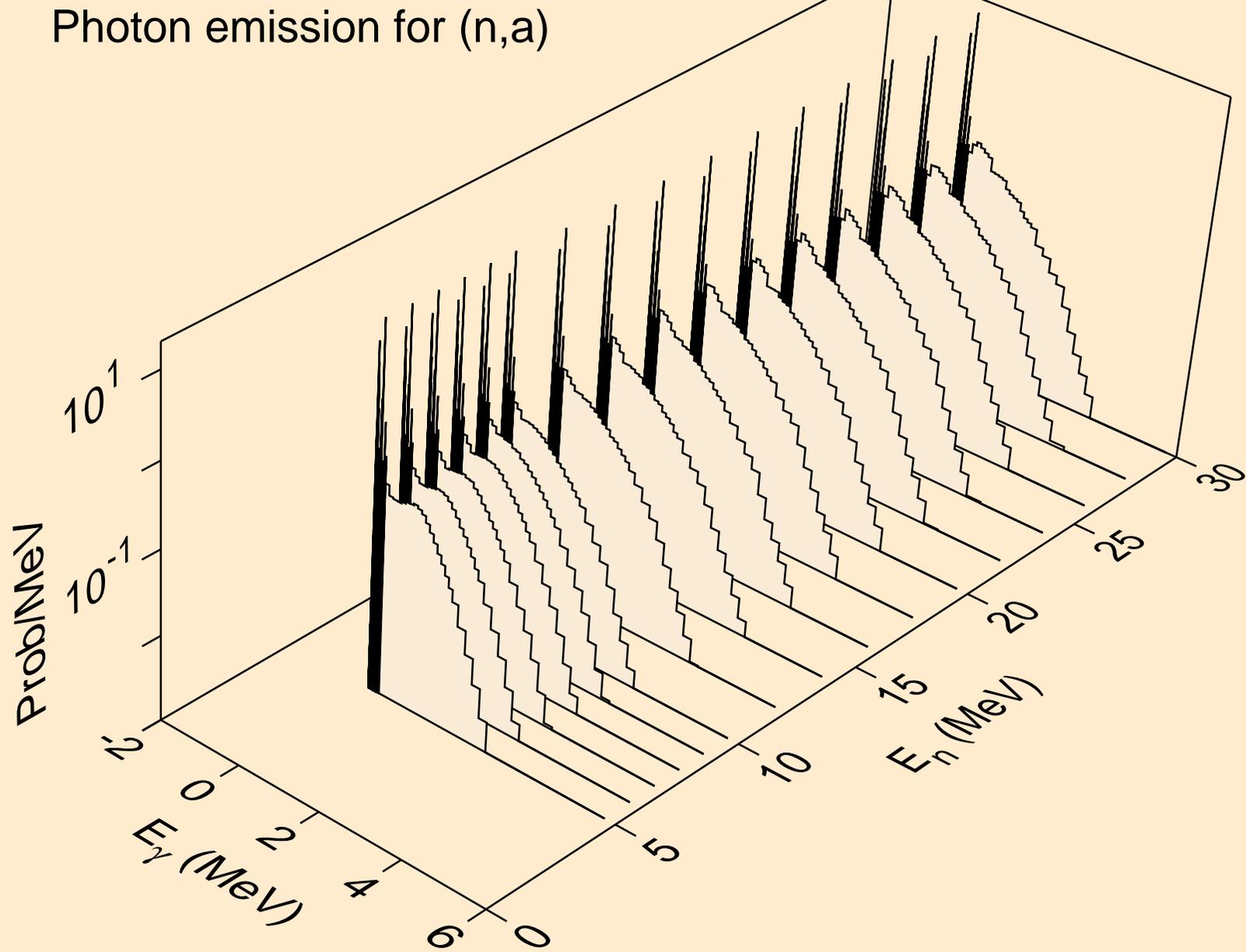Photon emission for inelastic

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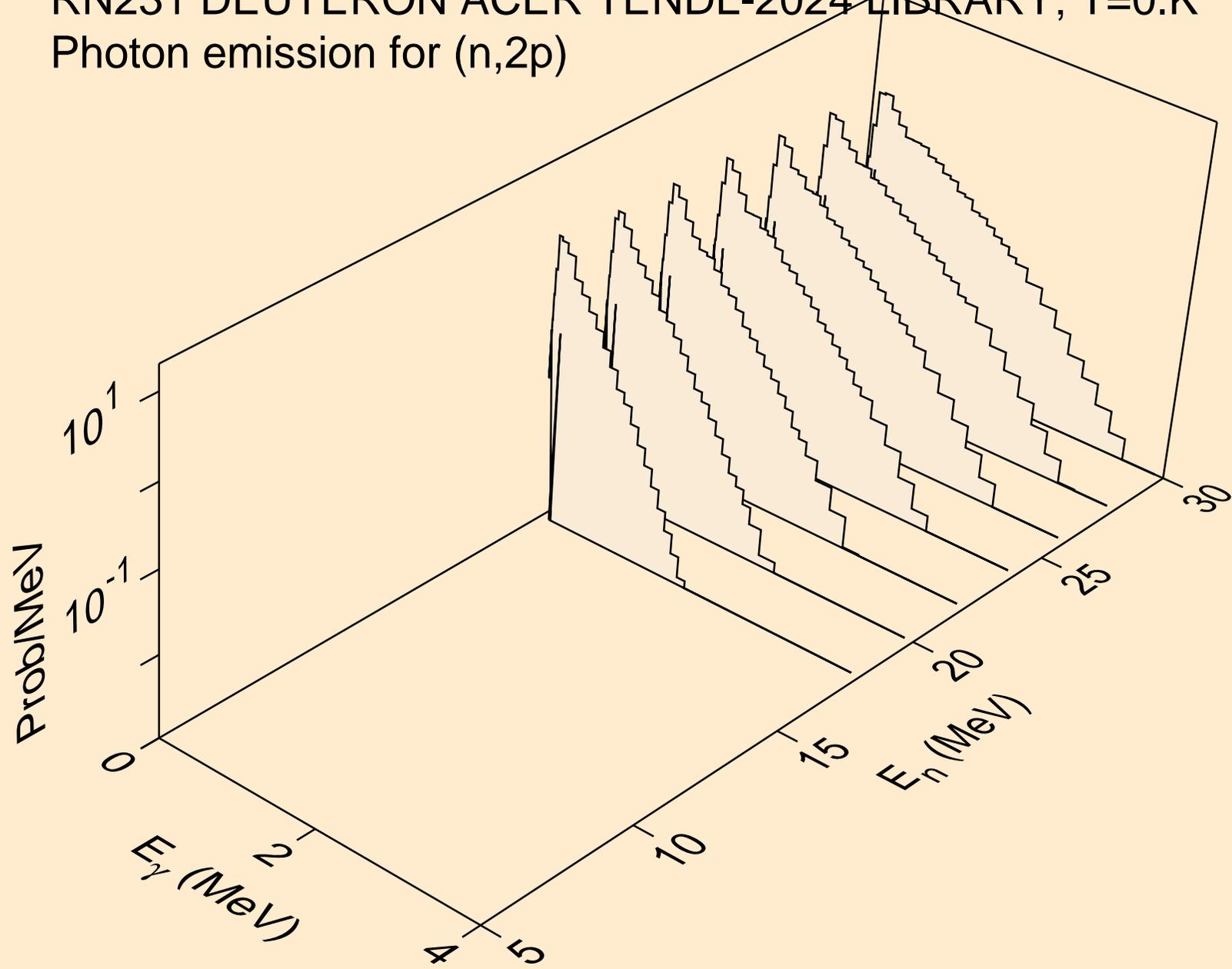Photon emission for (n,t)

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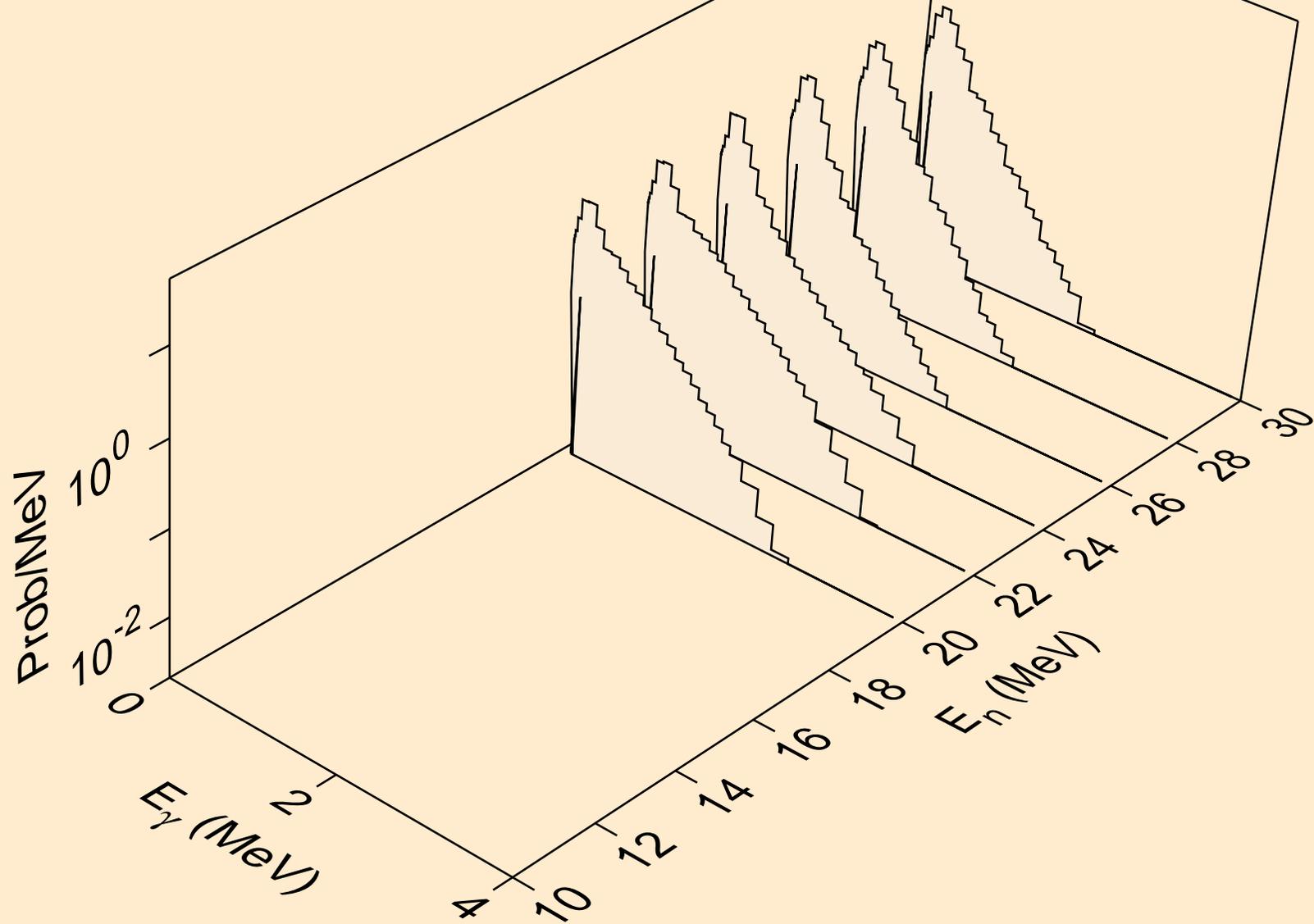Photon emission for (n,he3)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,a)

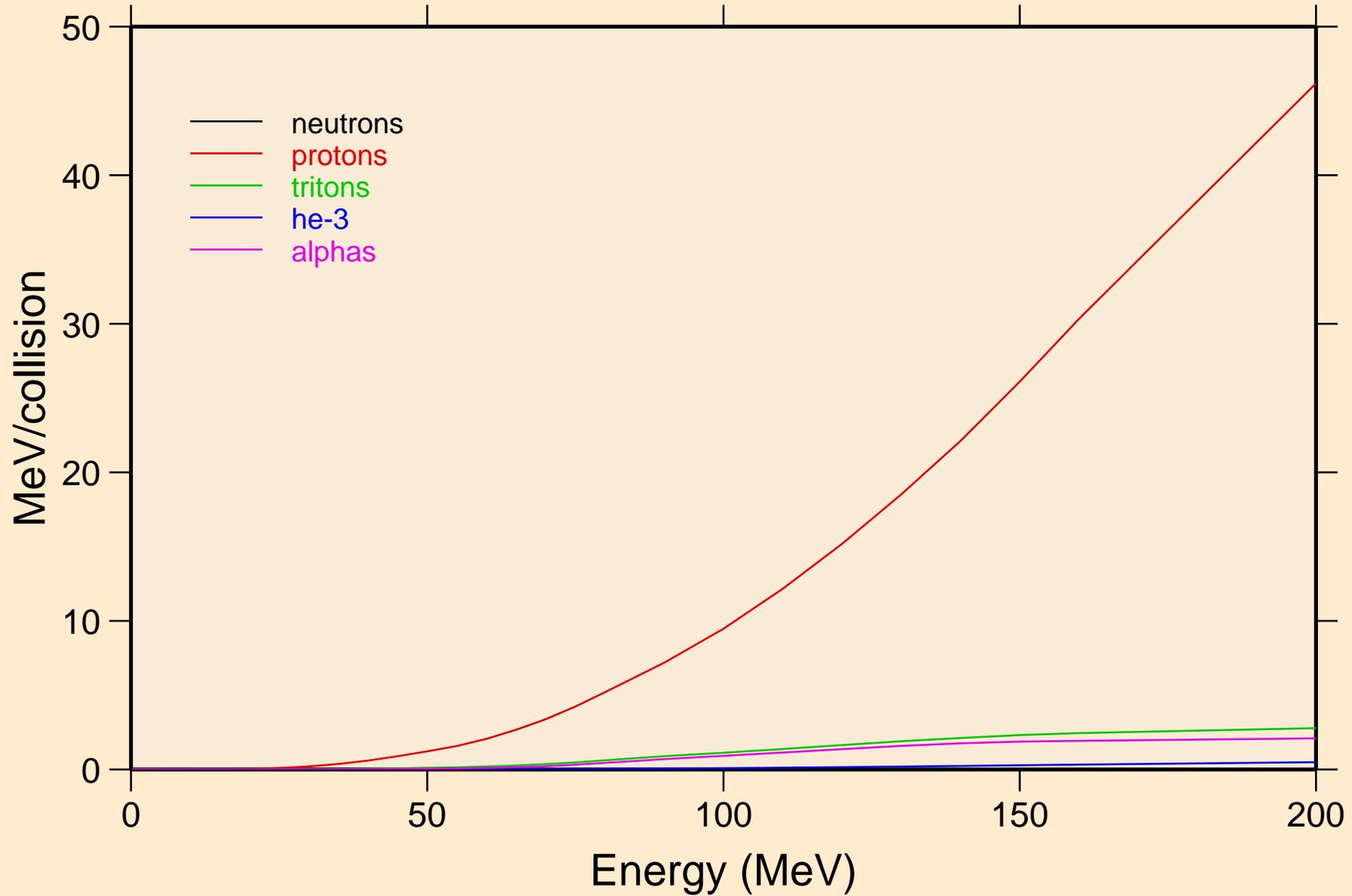RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2p)

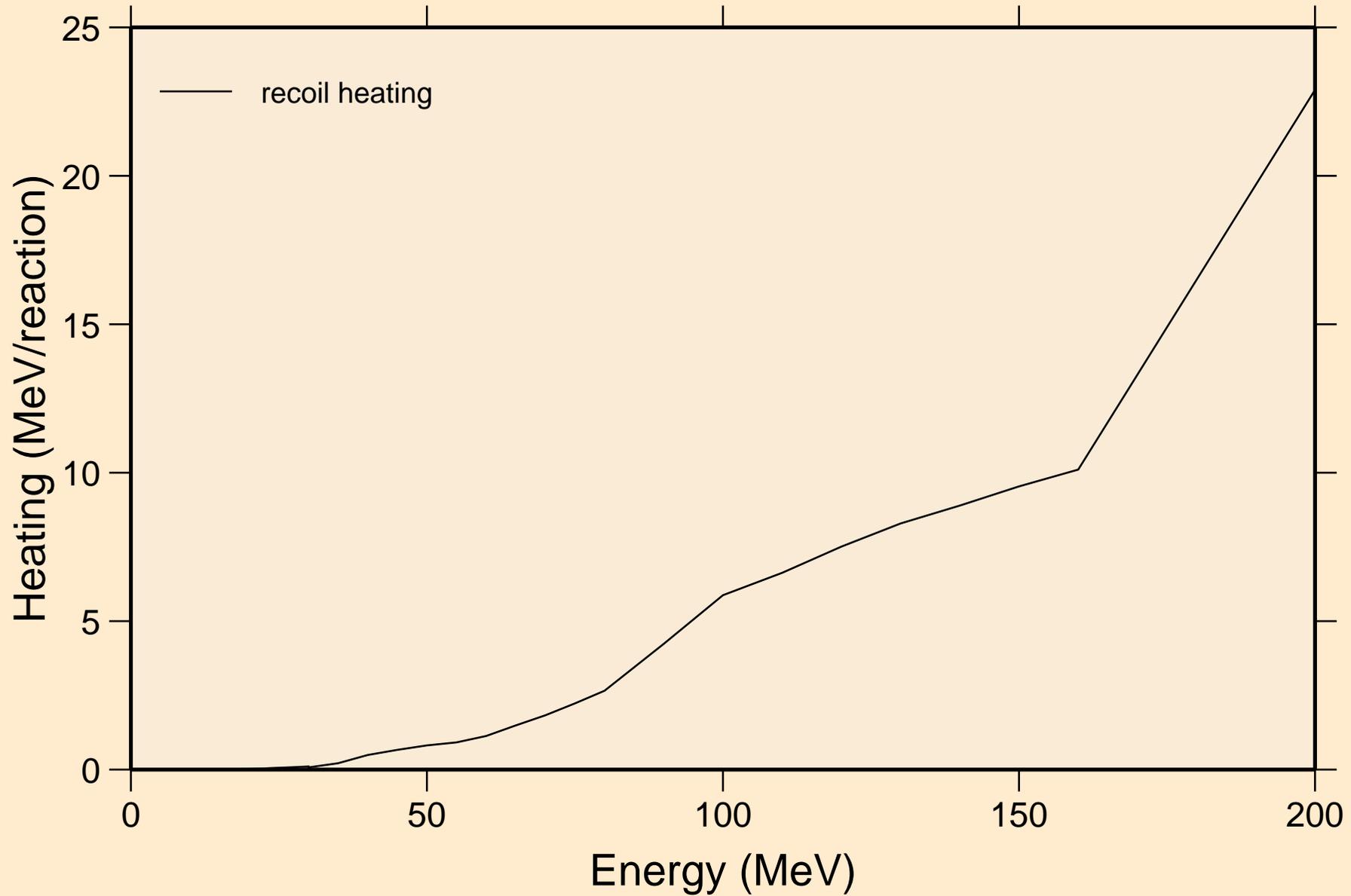RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,pd)

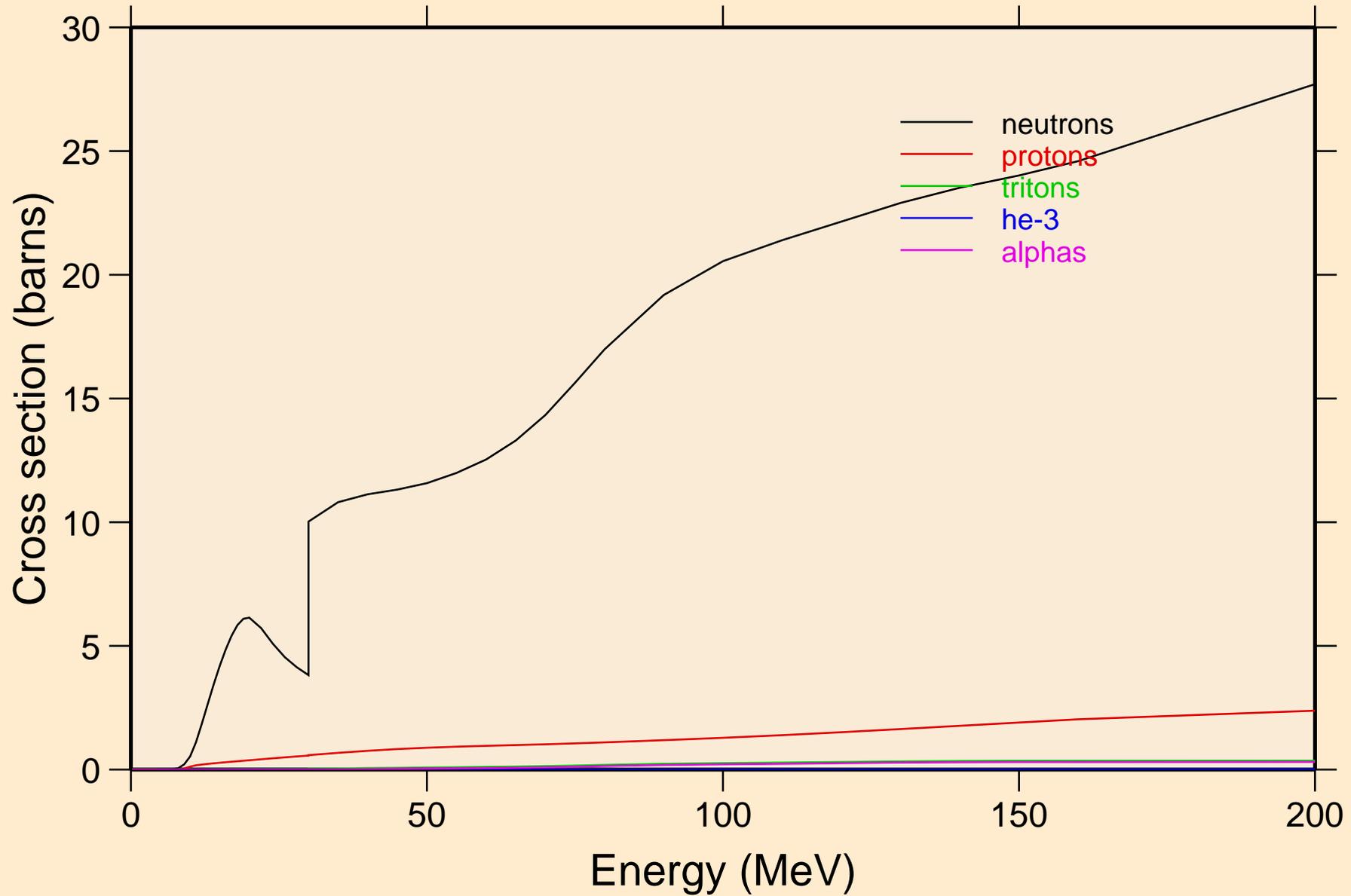RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

neutrons
protons
tritons
he-3
alphas

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
Recoil Heating

recoil heating

Heating (MeV/reaction)

Energy (MeV)

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Particle production cross sections

- neutrons
- protons
- tritons
- he-3
- alphas

Cross section (barns)

Energy (MeV)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n)
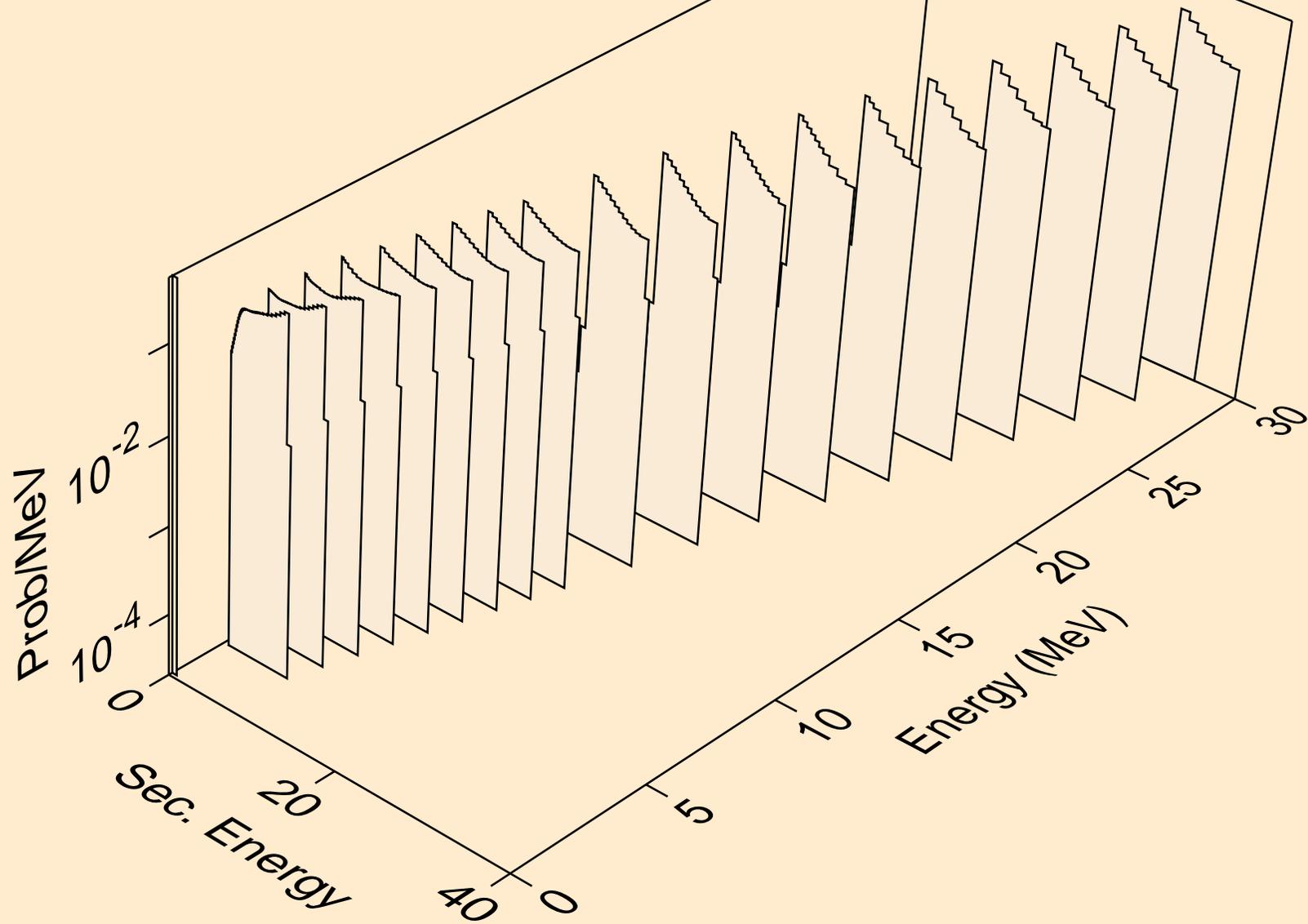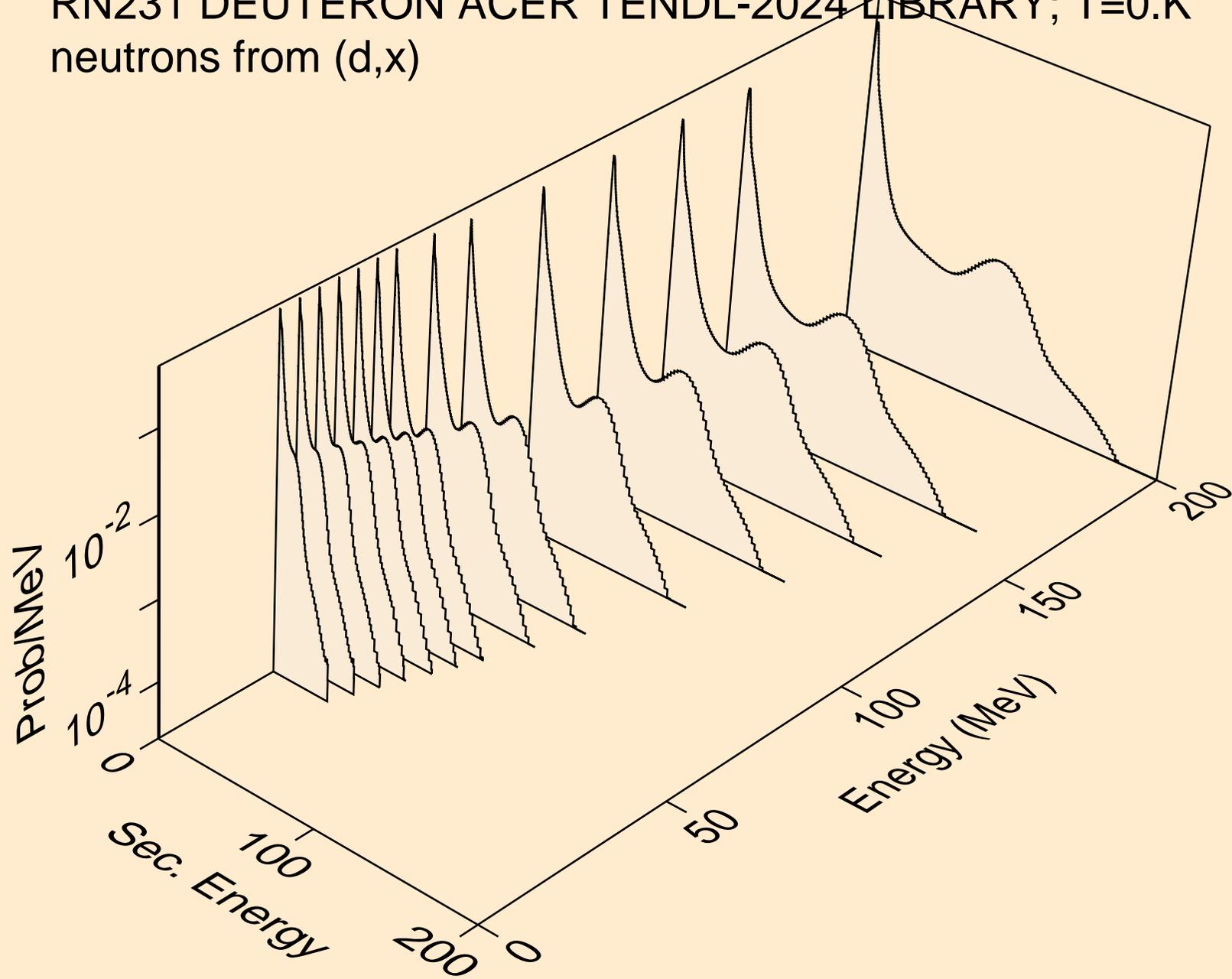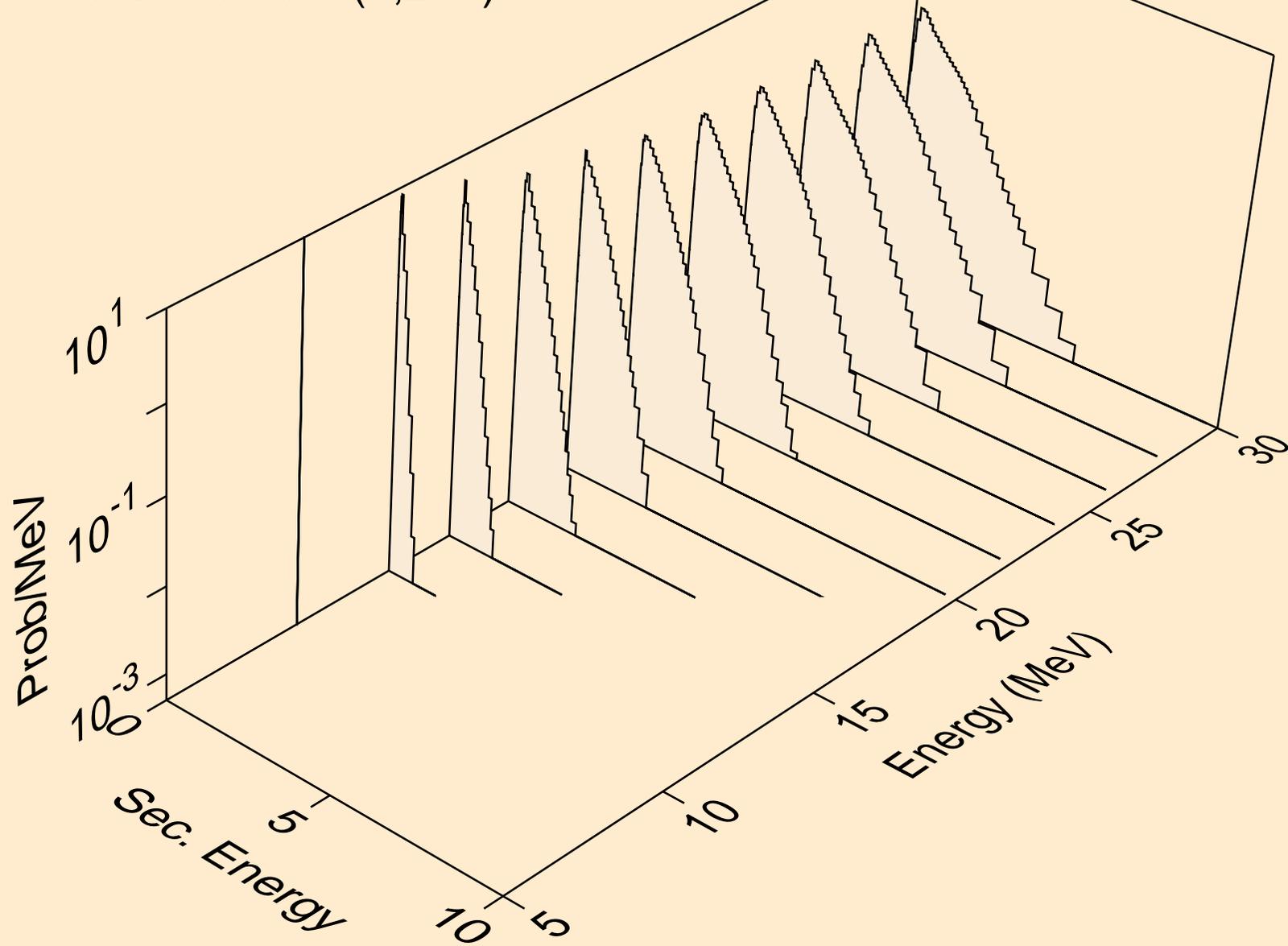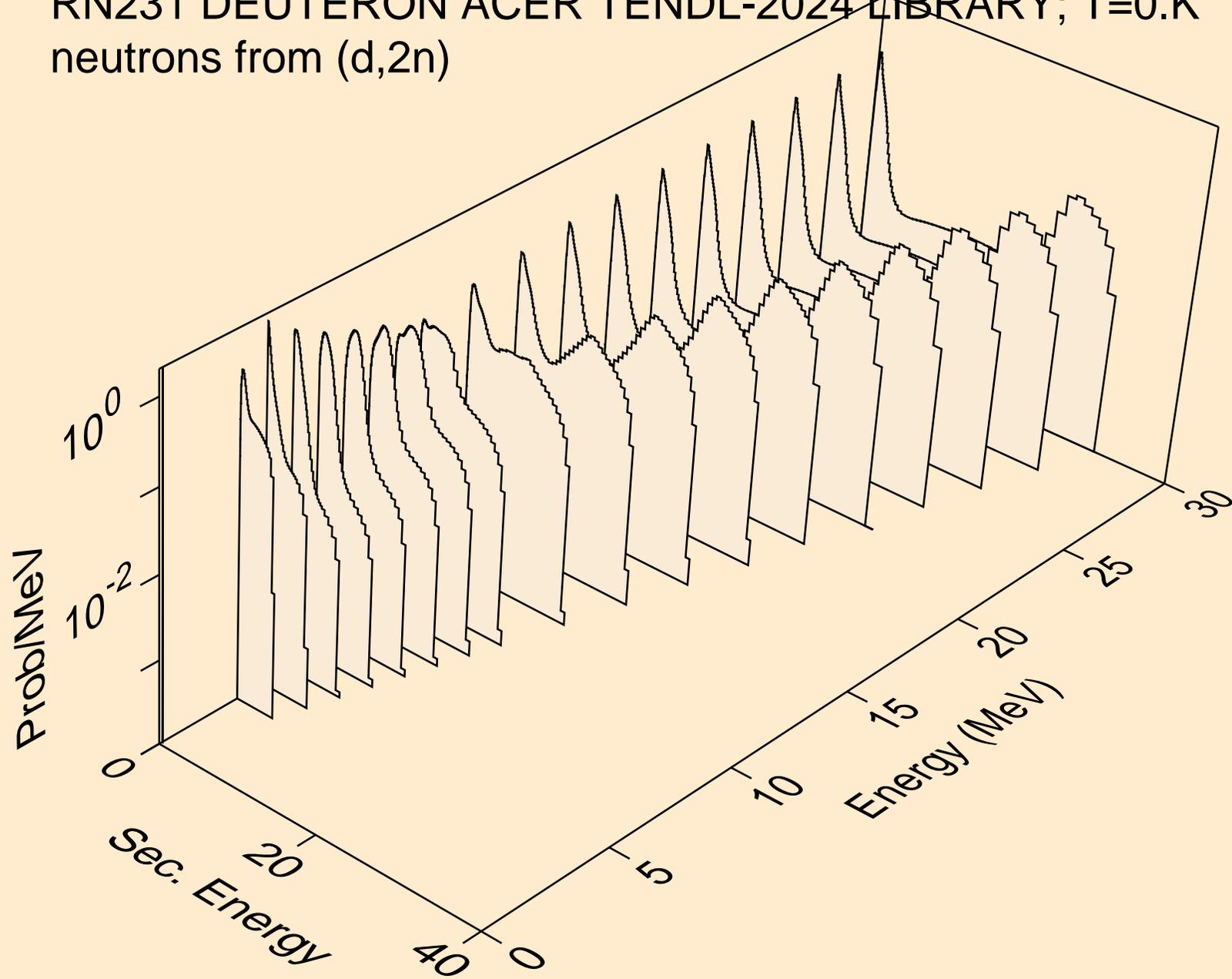
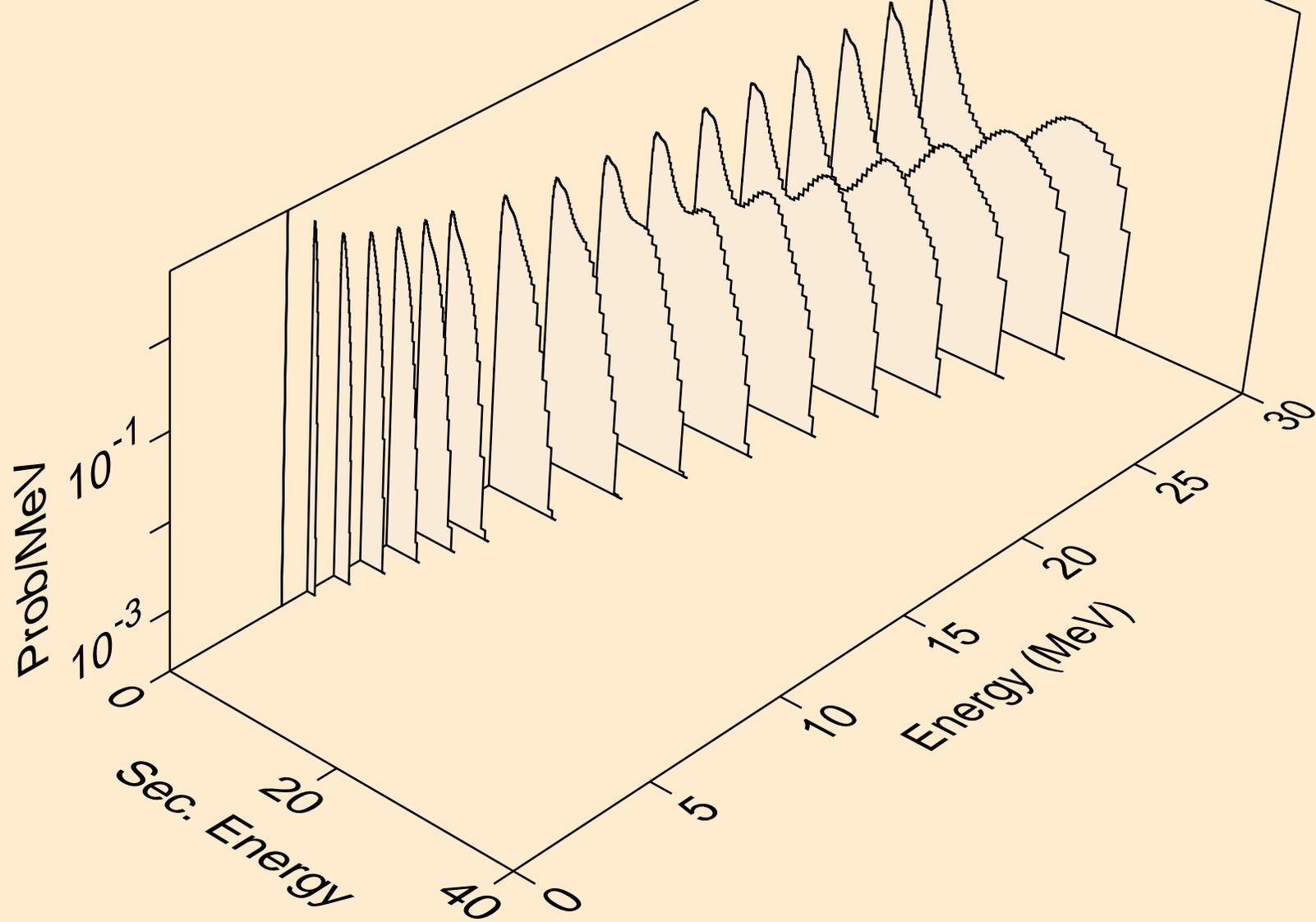RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,x)

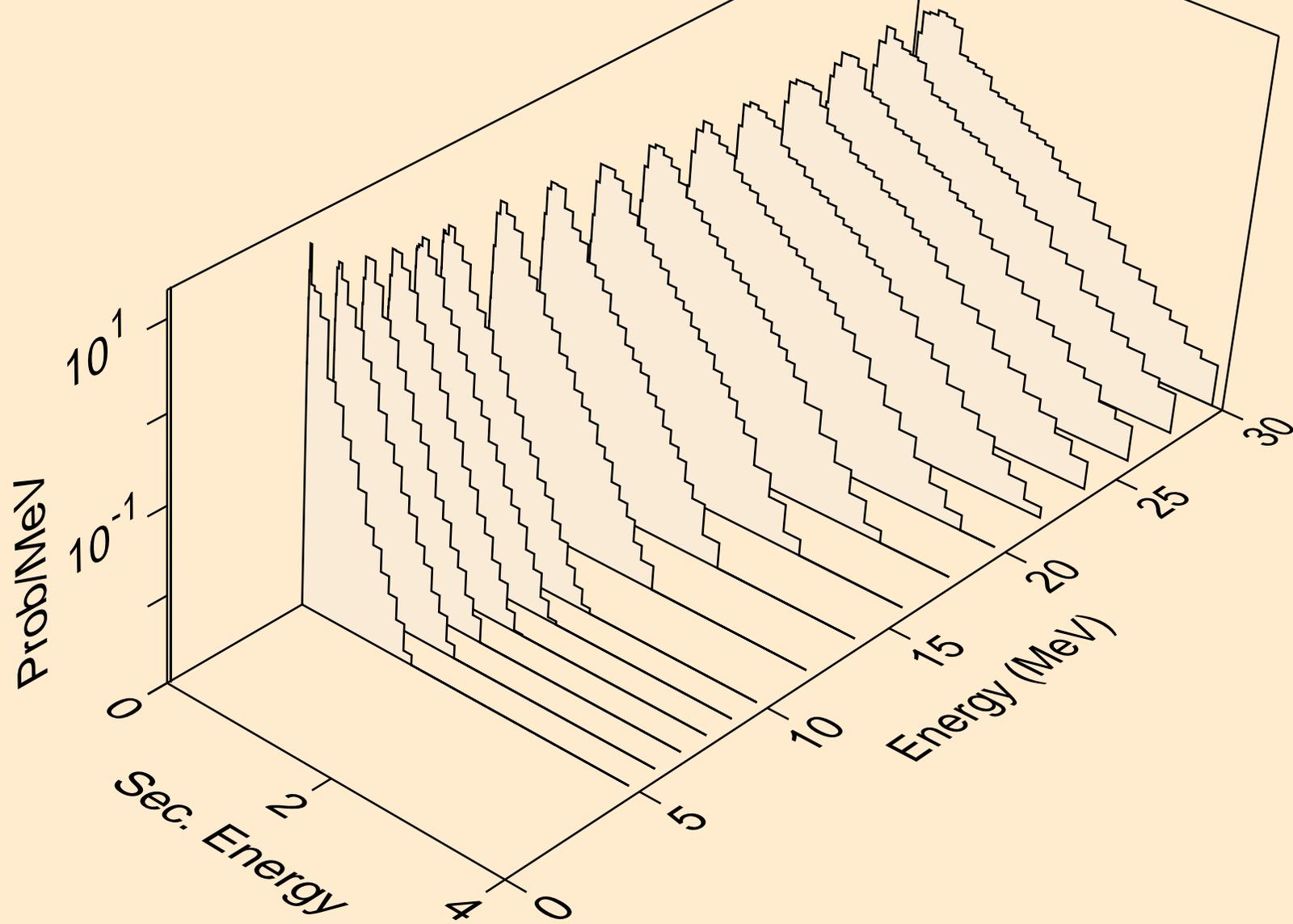RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,2nd)

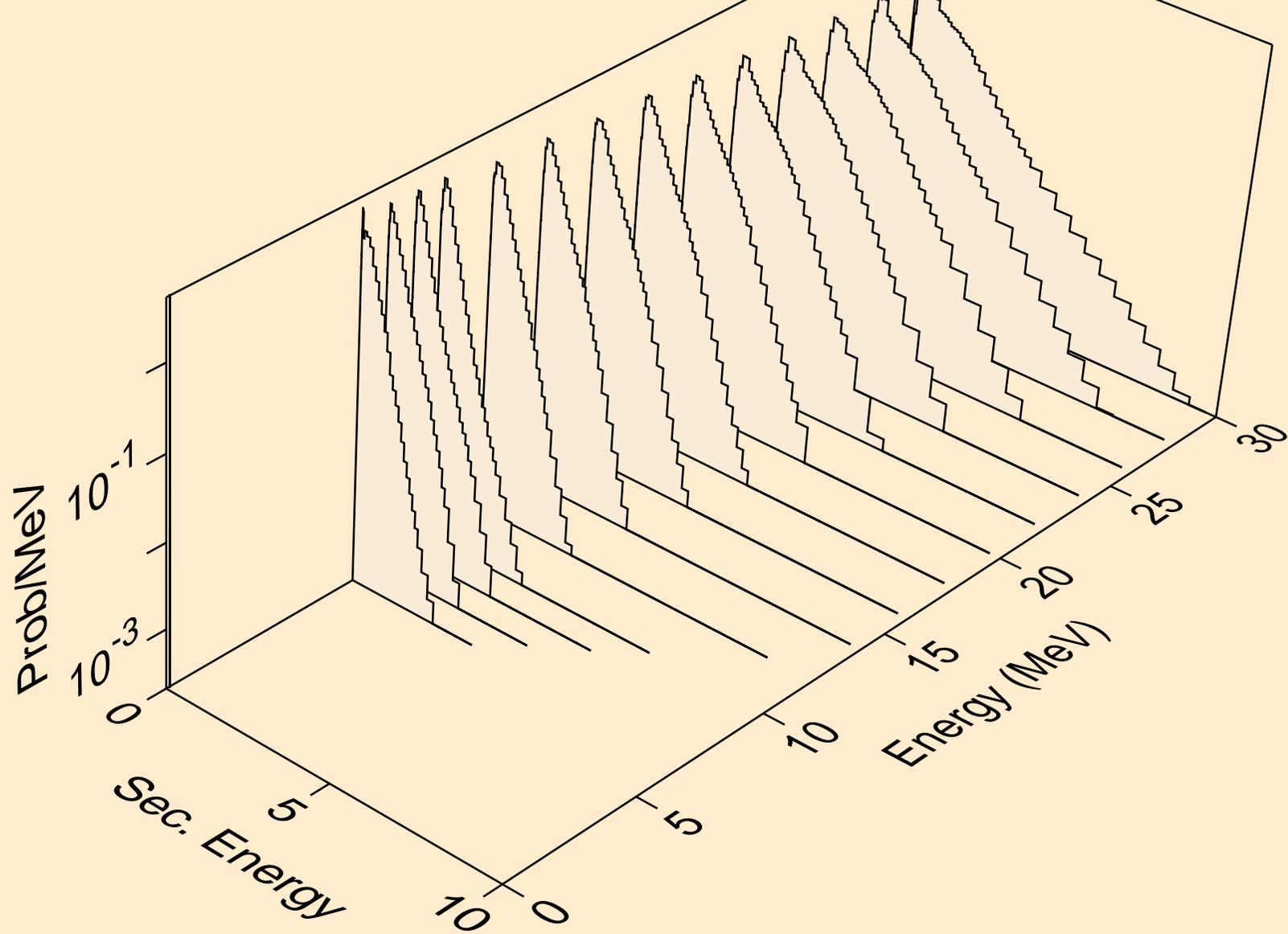RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,2n)

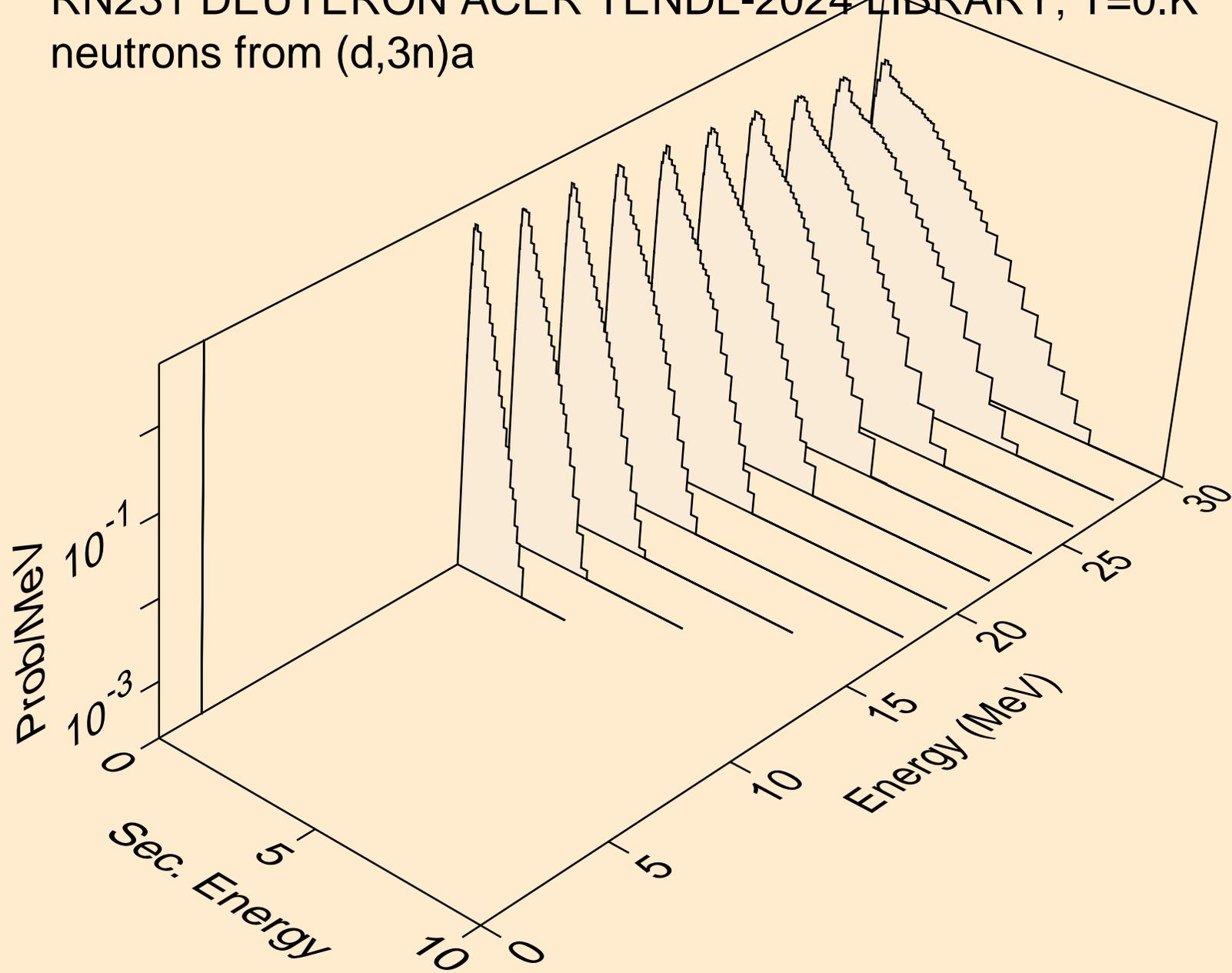RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,3n)

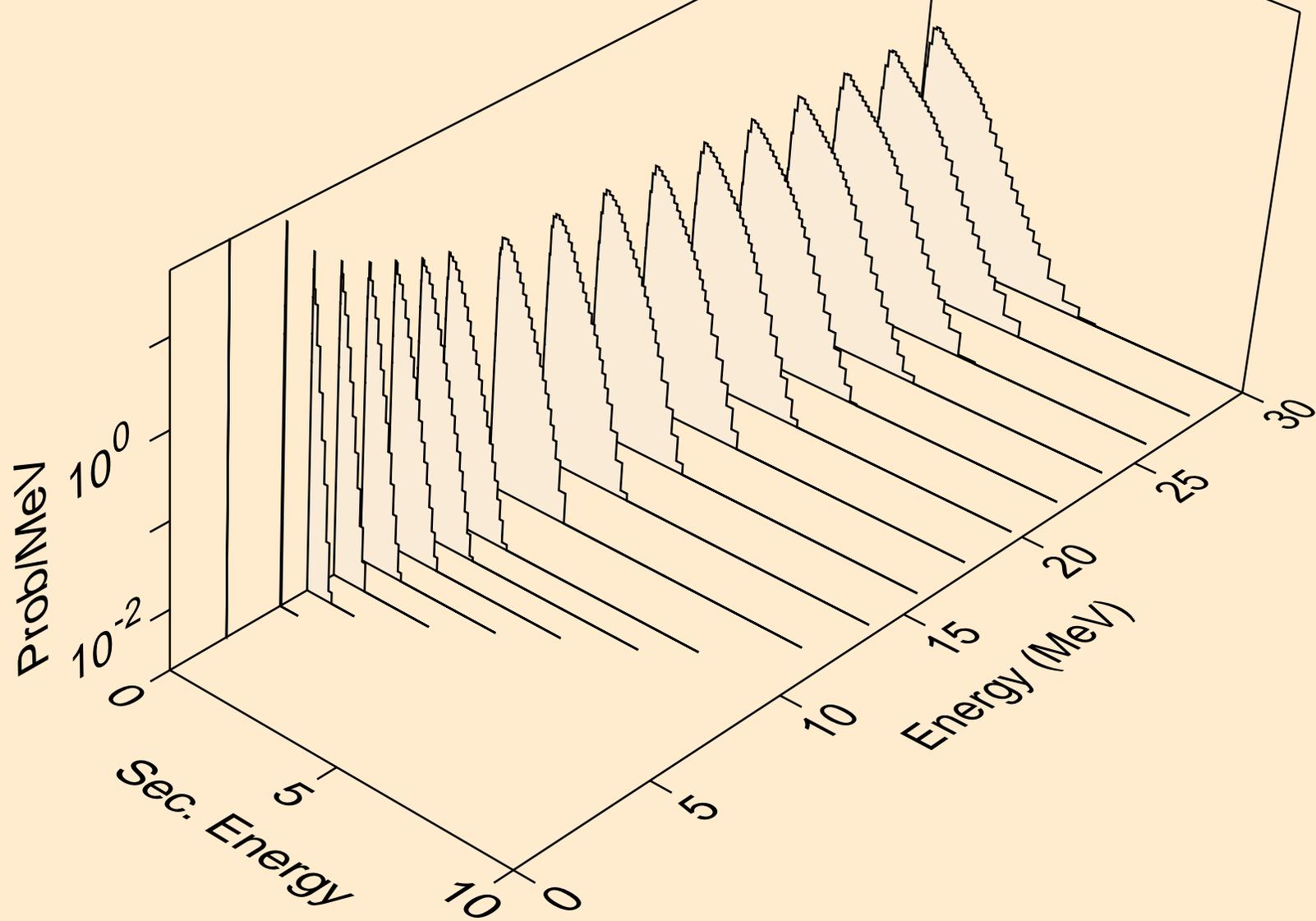RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n*)a

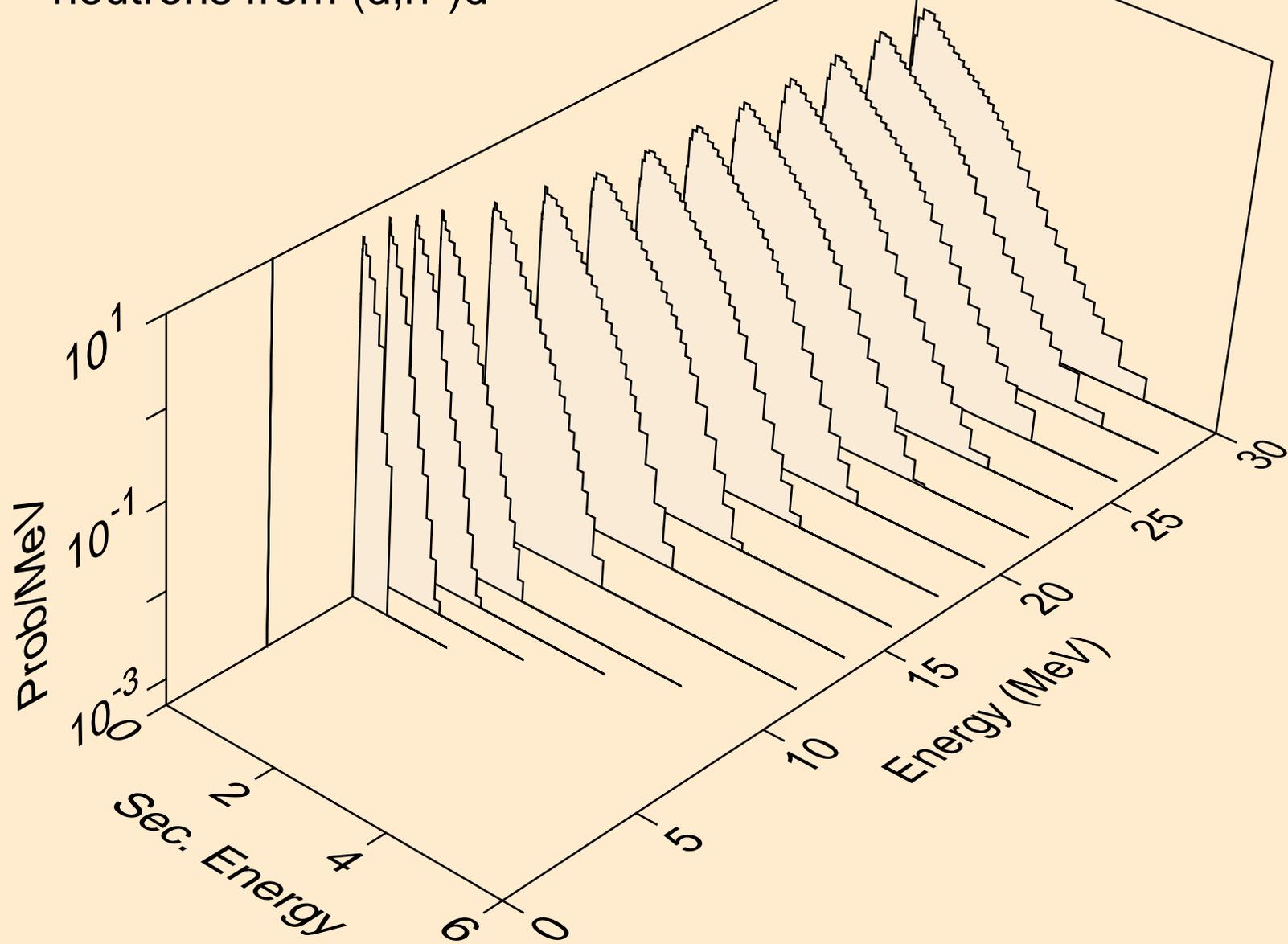RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,2n)a

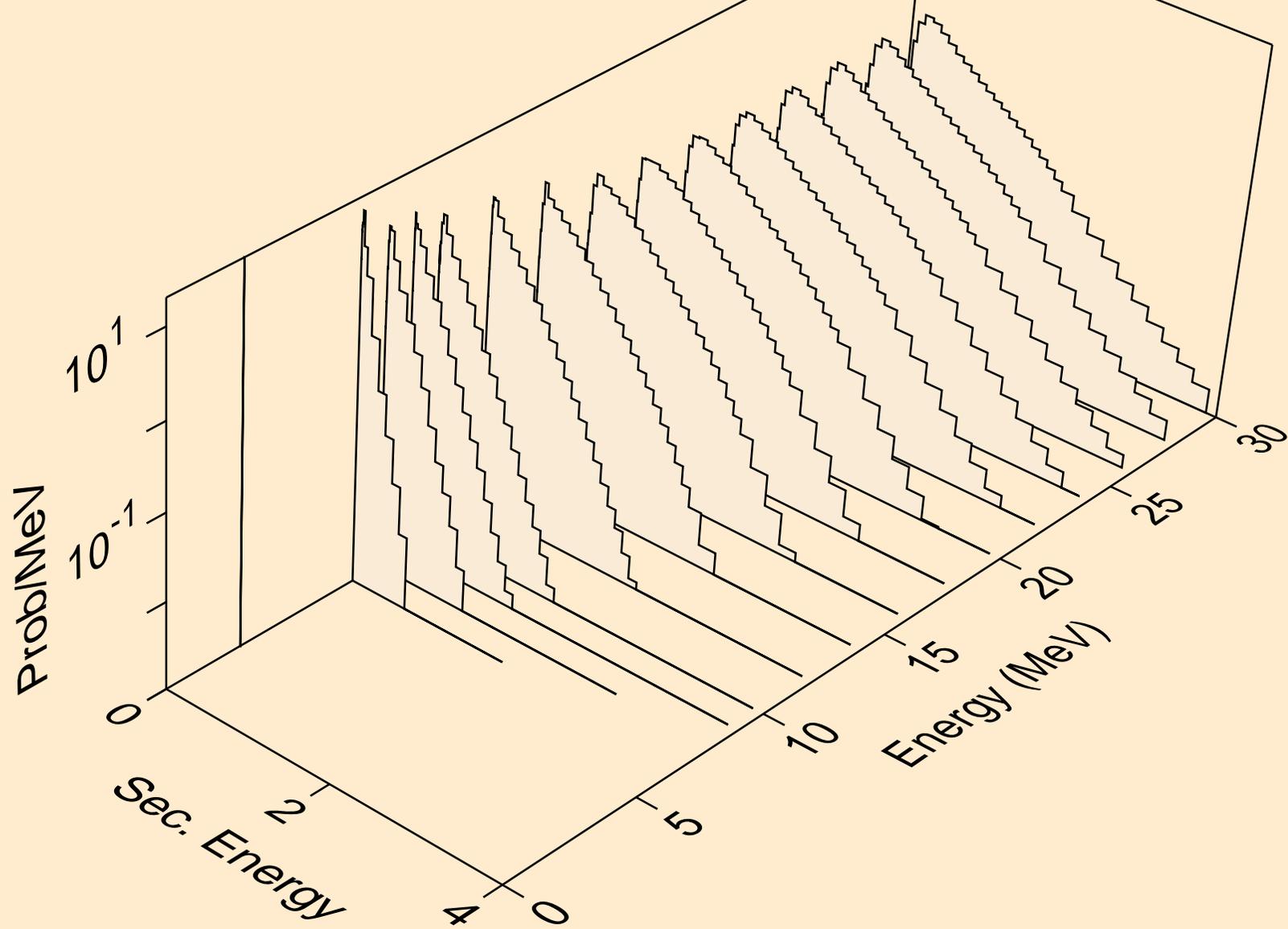RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,3n)a

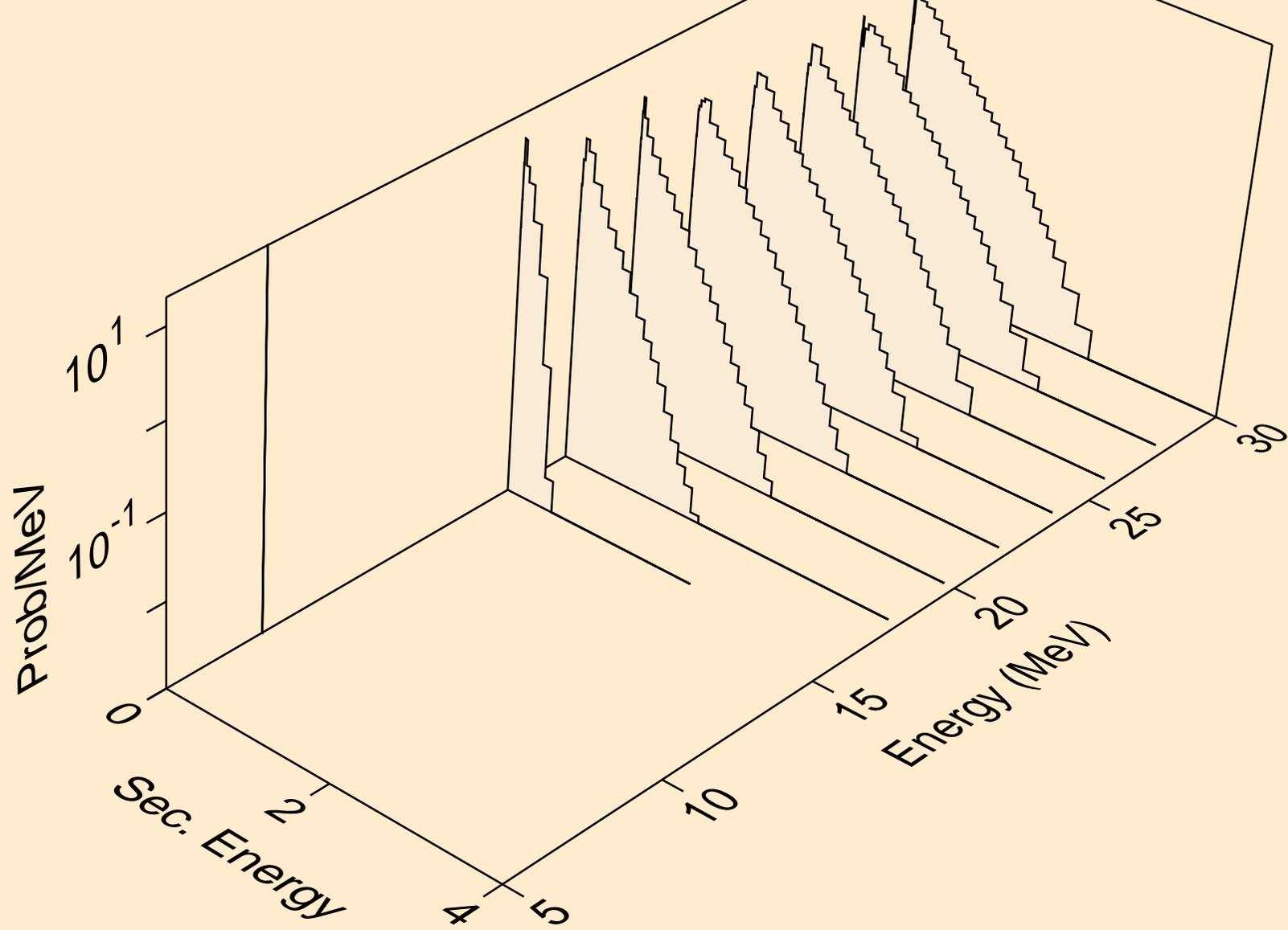RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n*)p

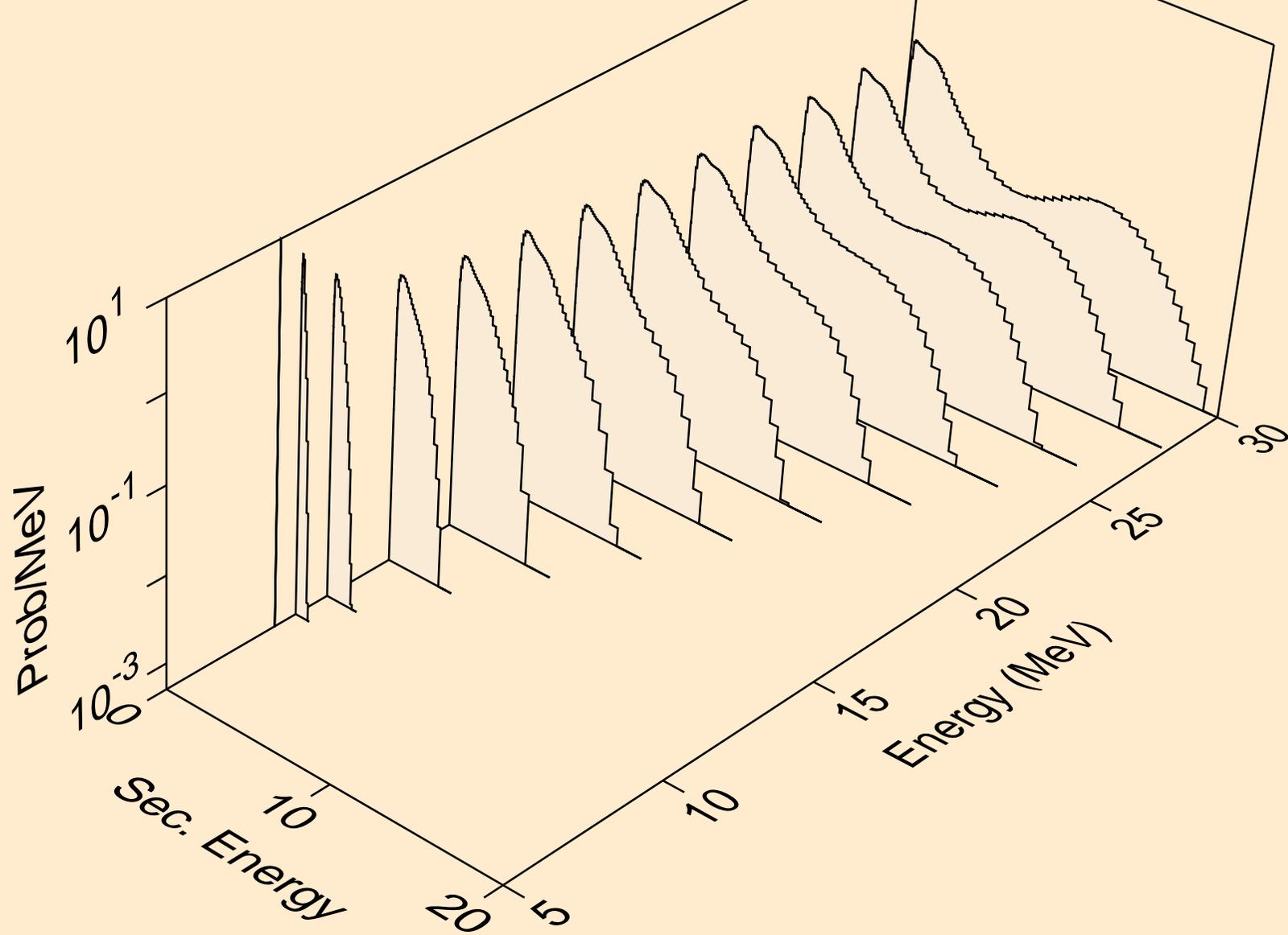RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n*)d

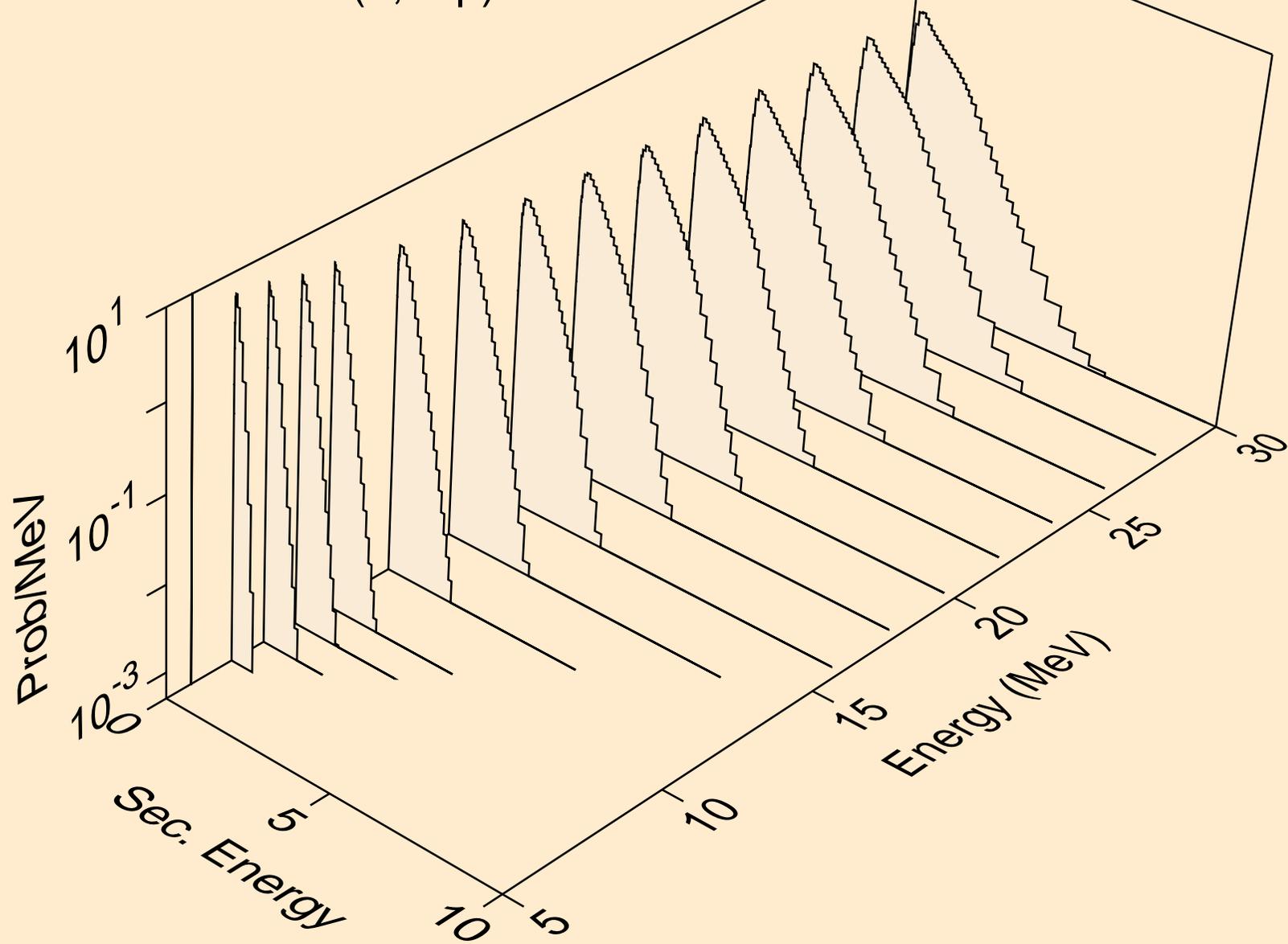RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n*)t

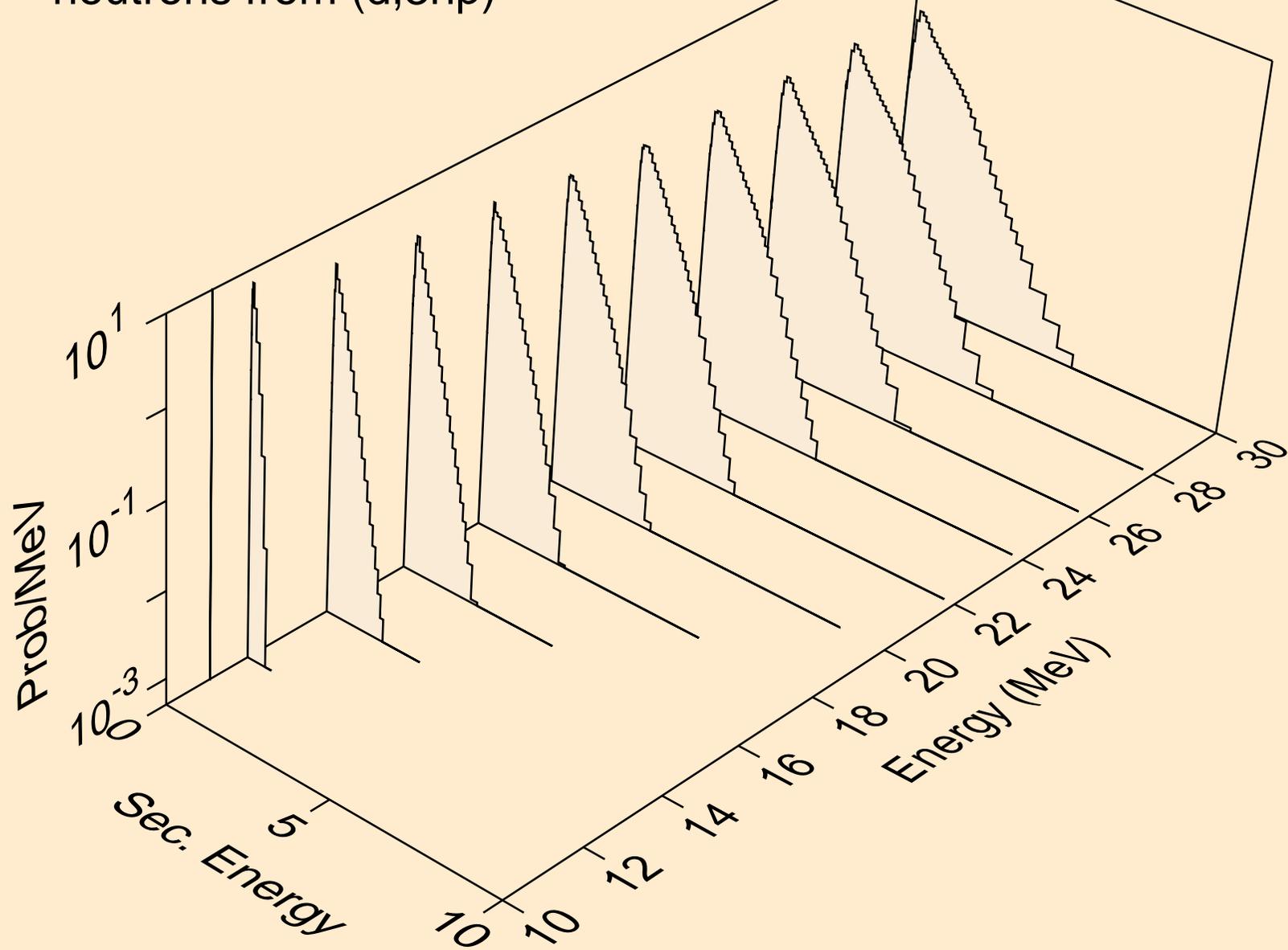RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n*)he3

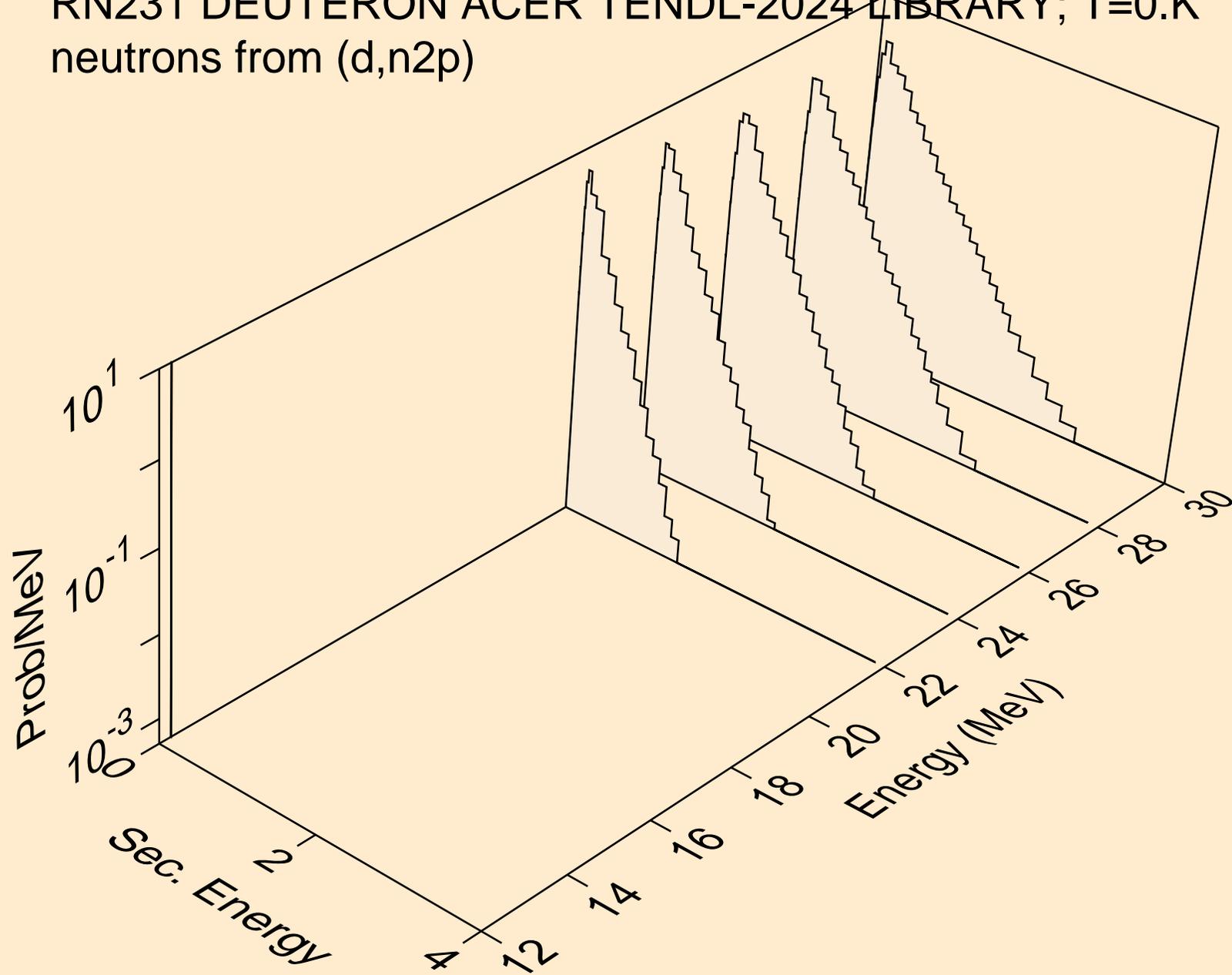RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,4n)

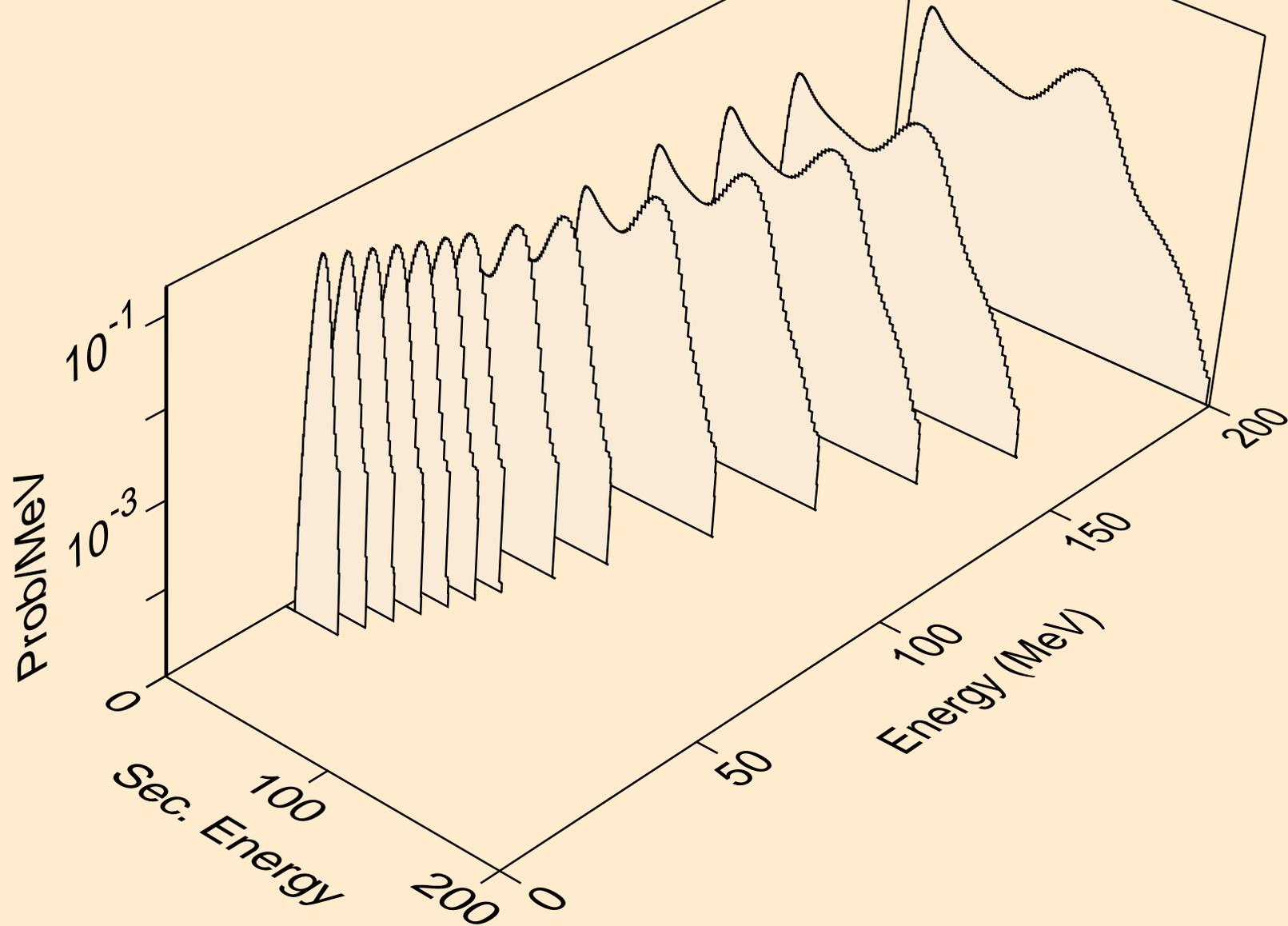RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,2np)

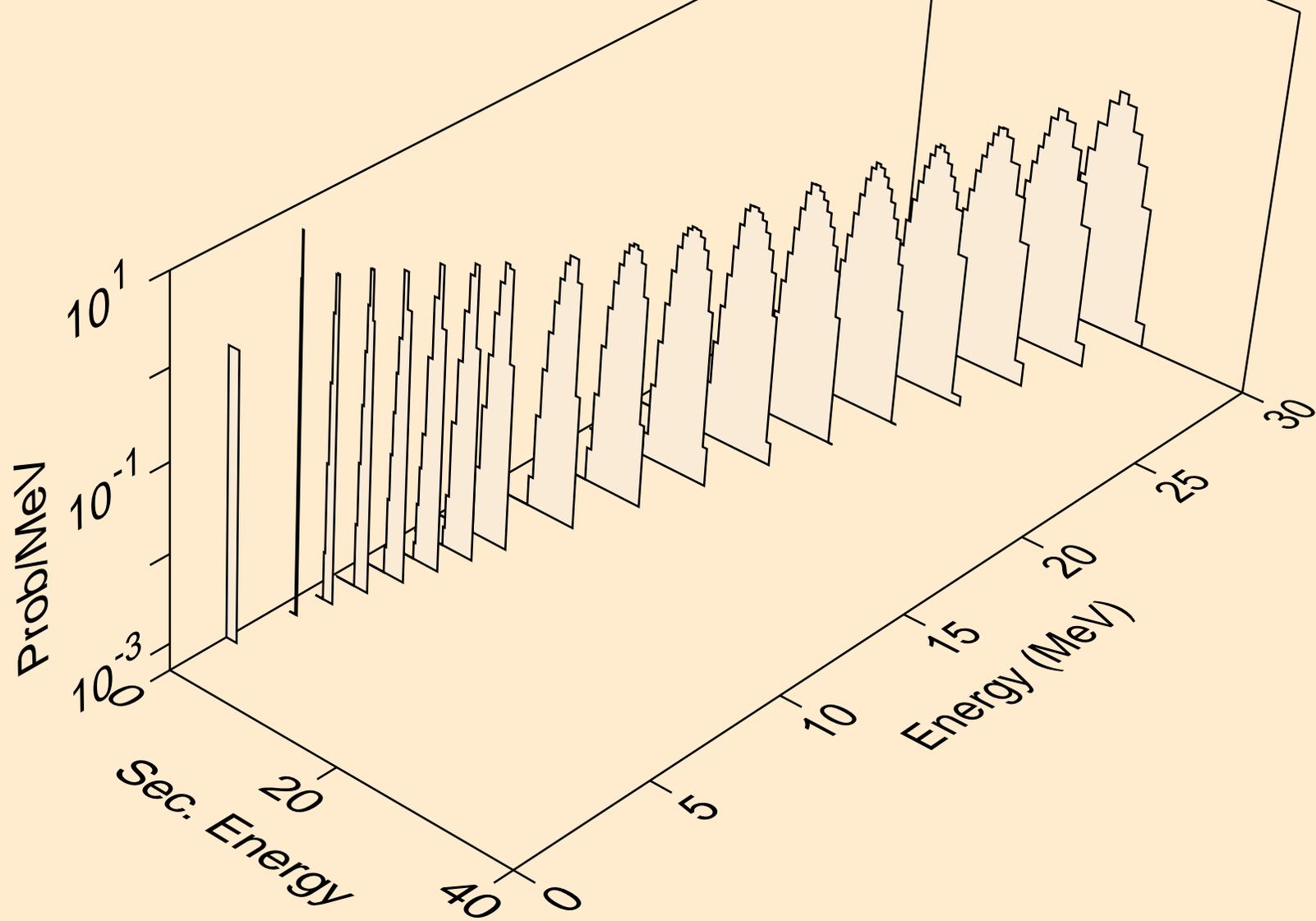RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,3np)

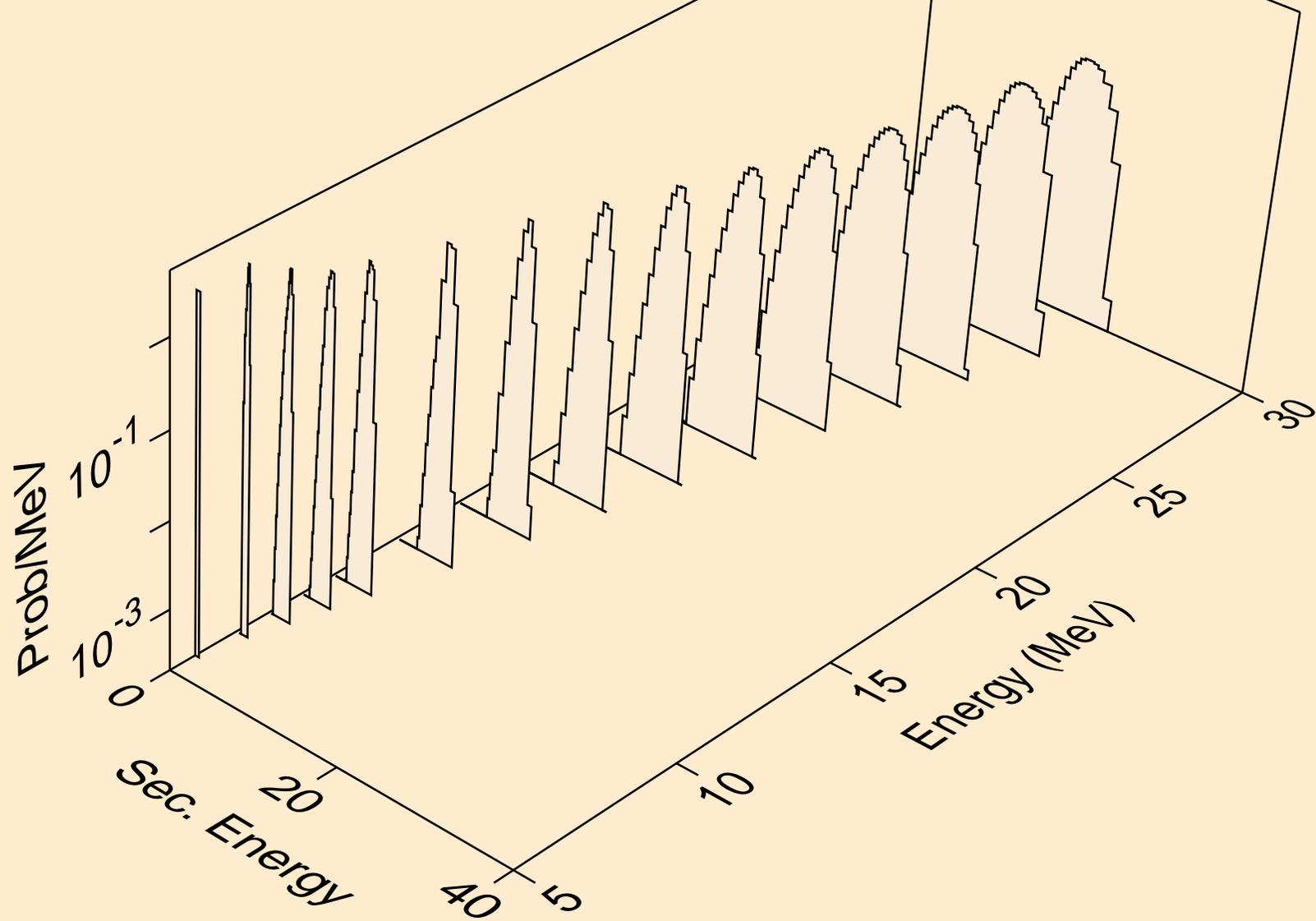RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
neutrons from (d,n2p)

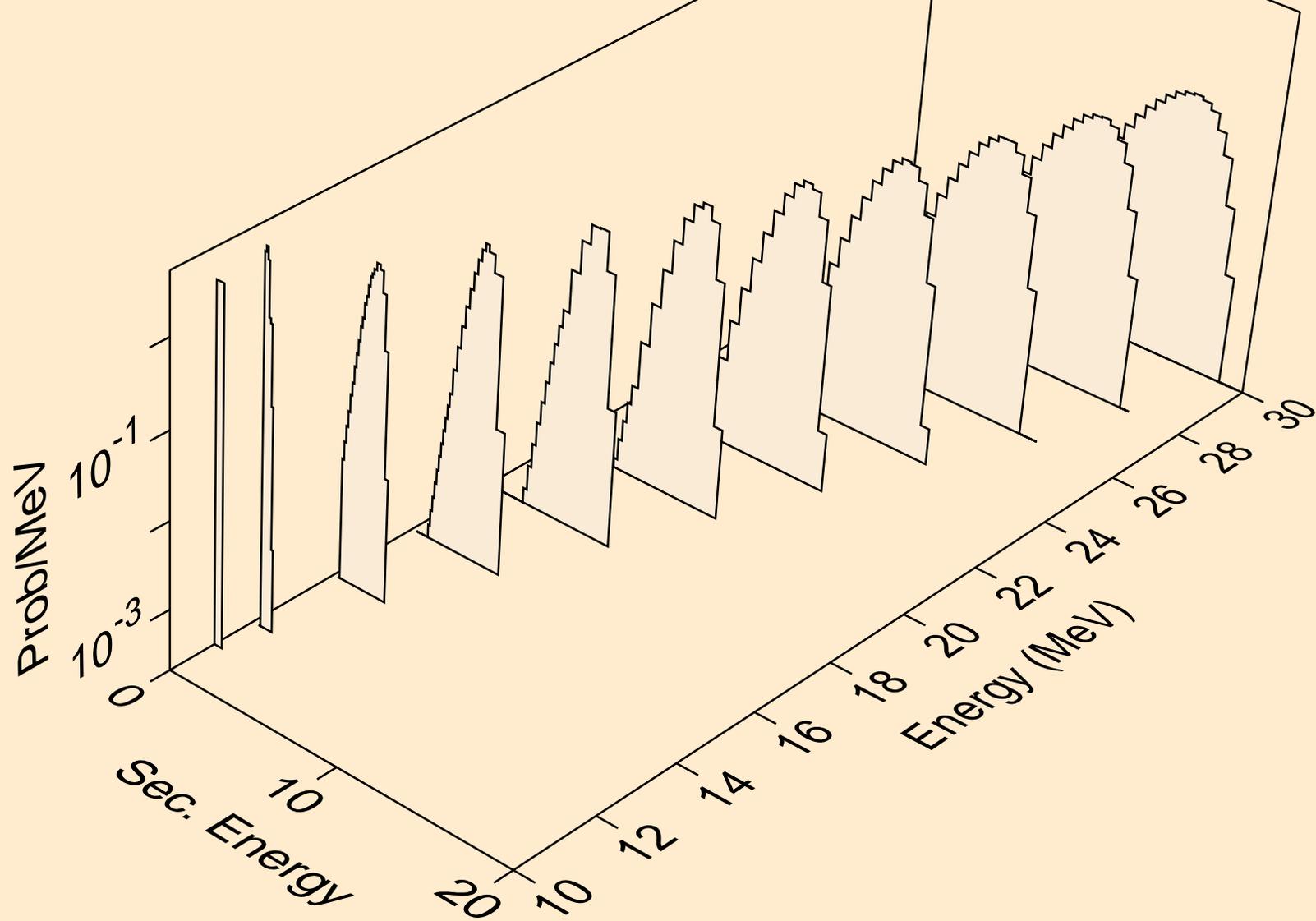RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
protons from (d,x)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
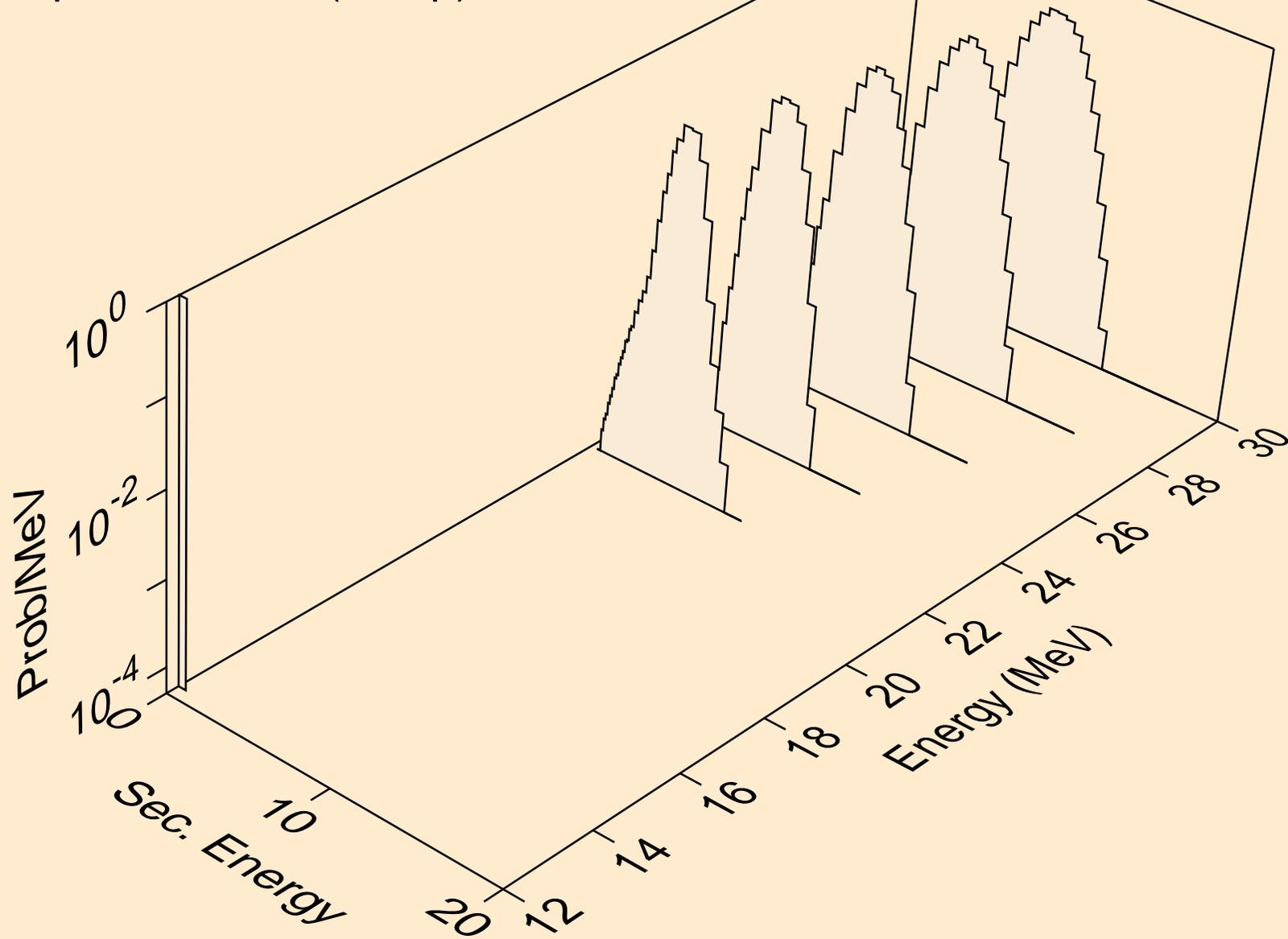protons from (d,n*)p

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
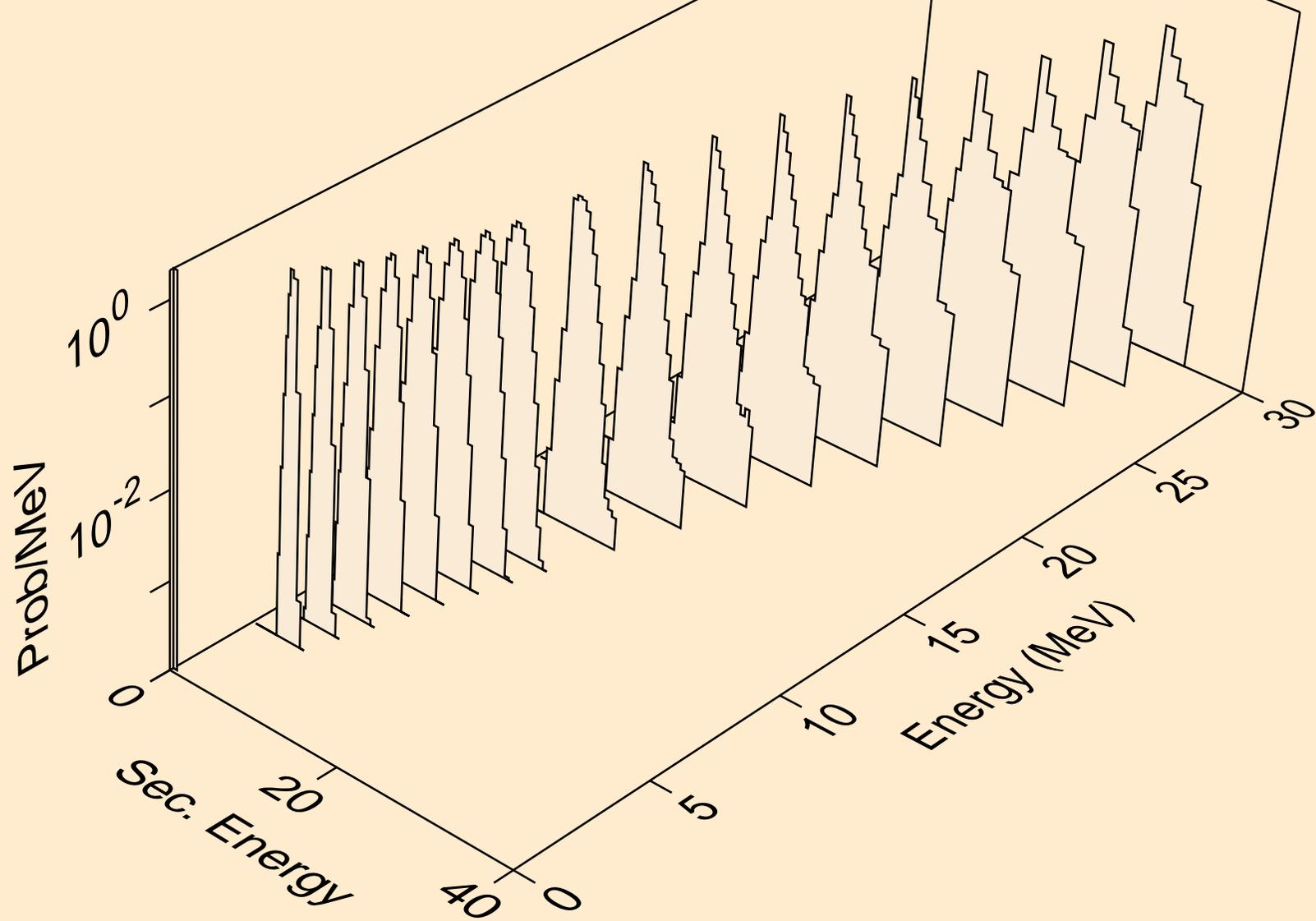protons from (d,2np)

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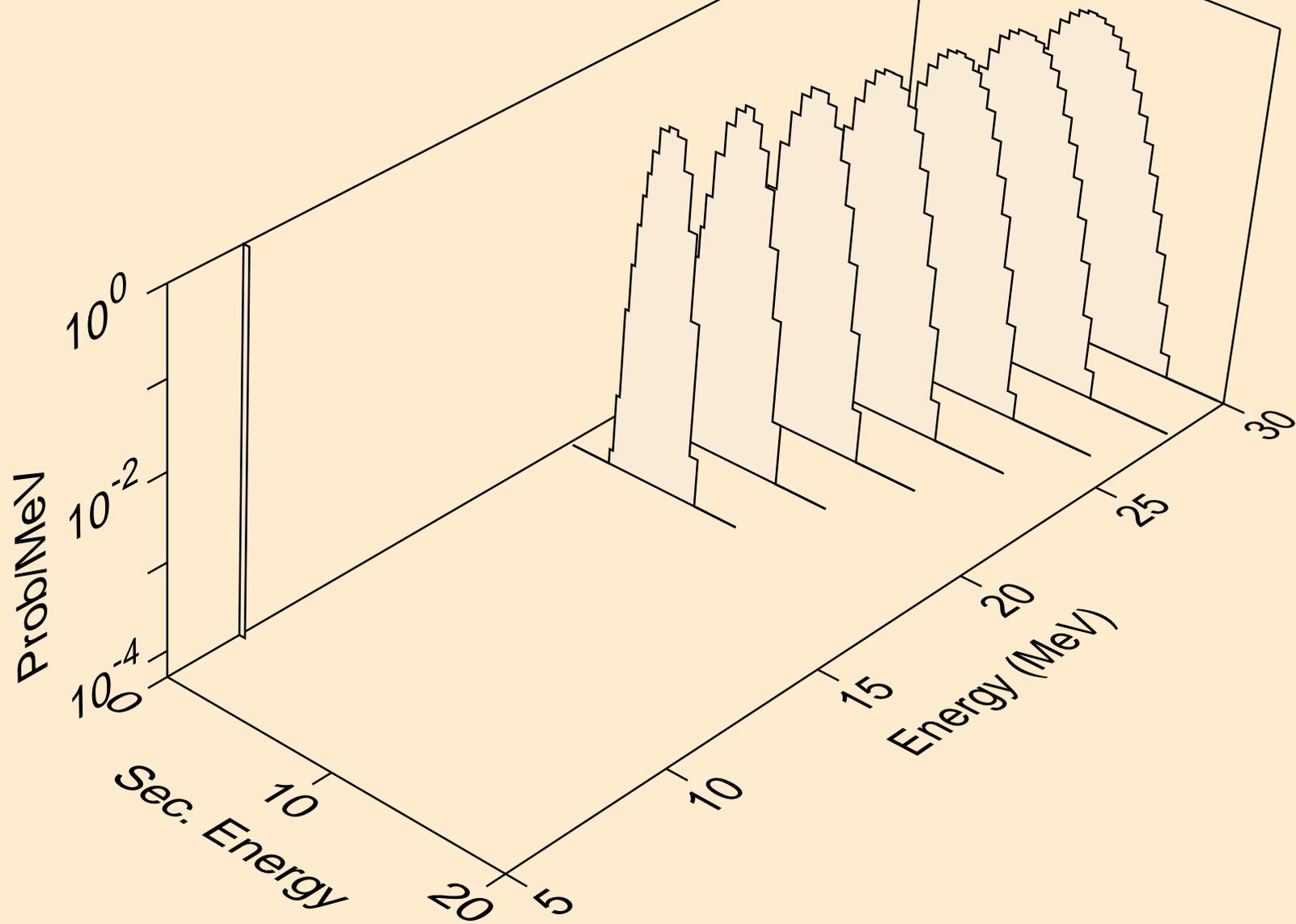protons from (d,3np)

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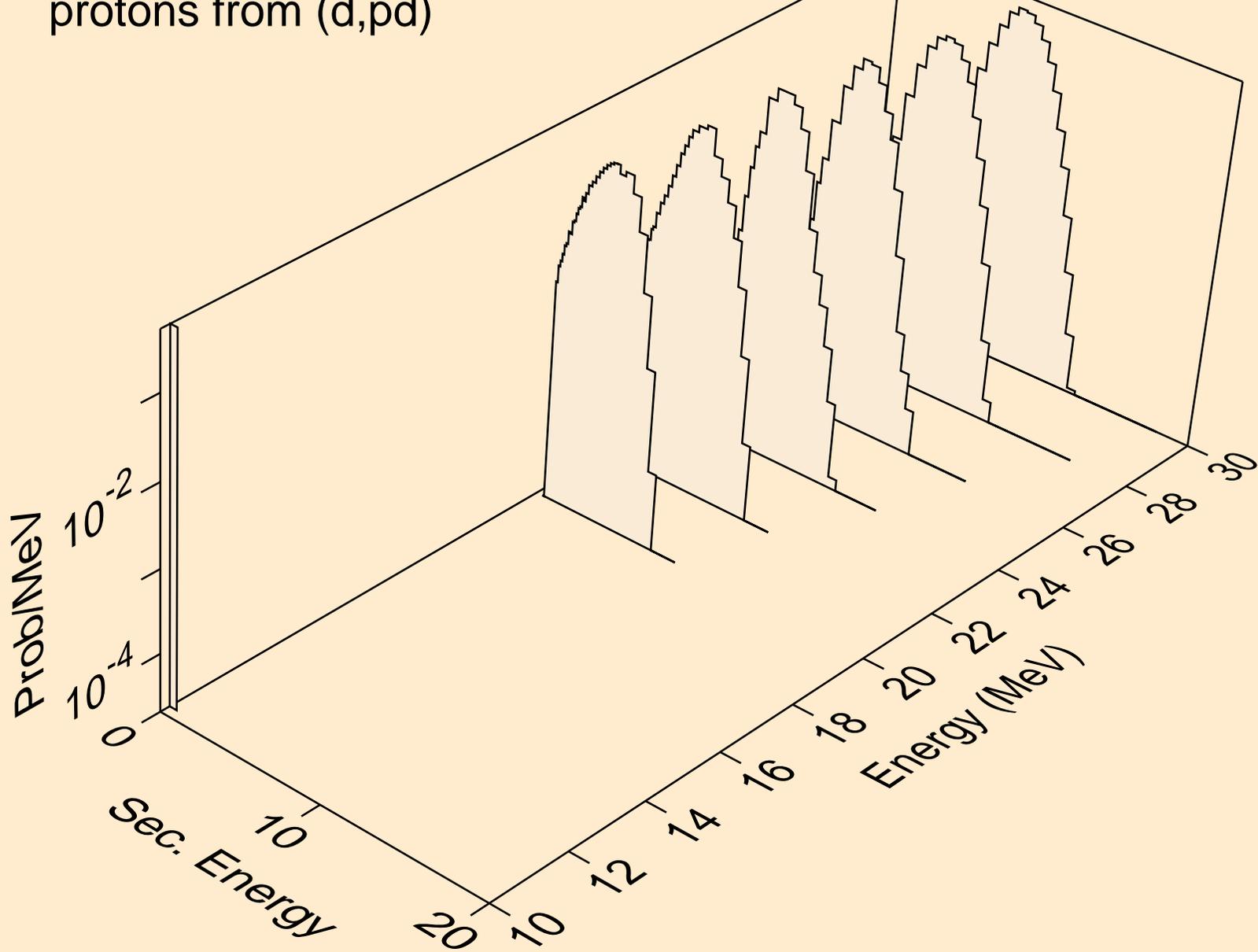protons from (d,n2p)

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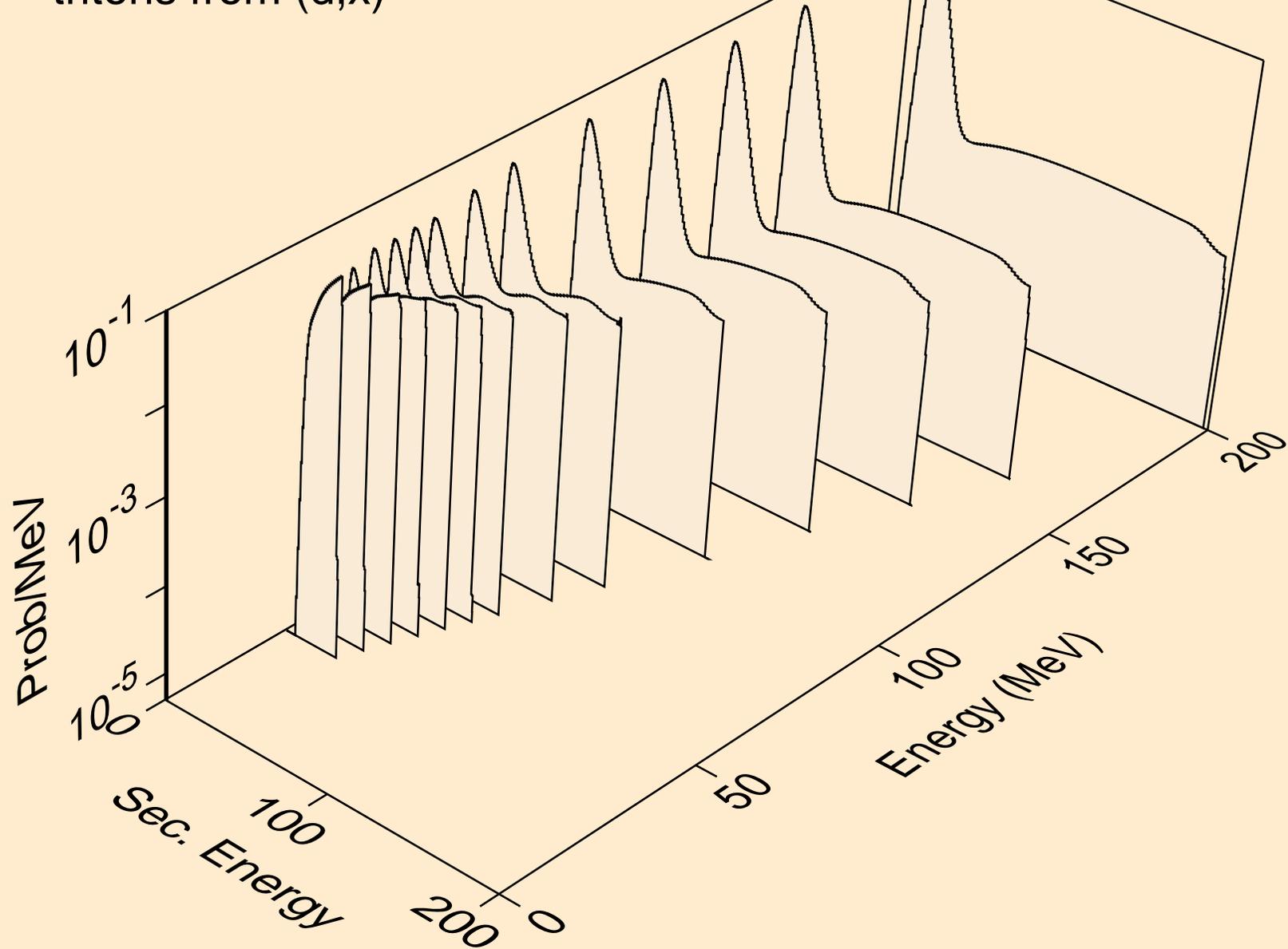protons from (d,p)

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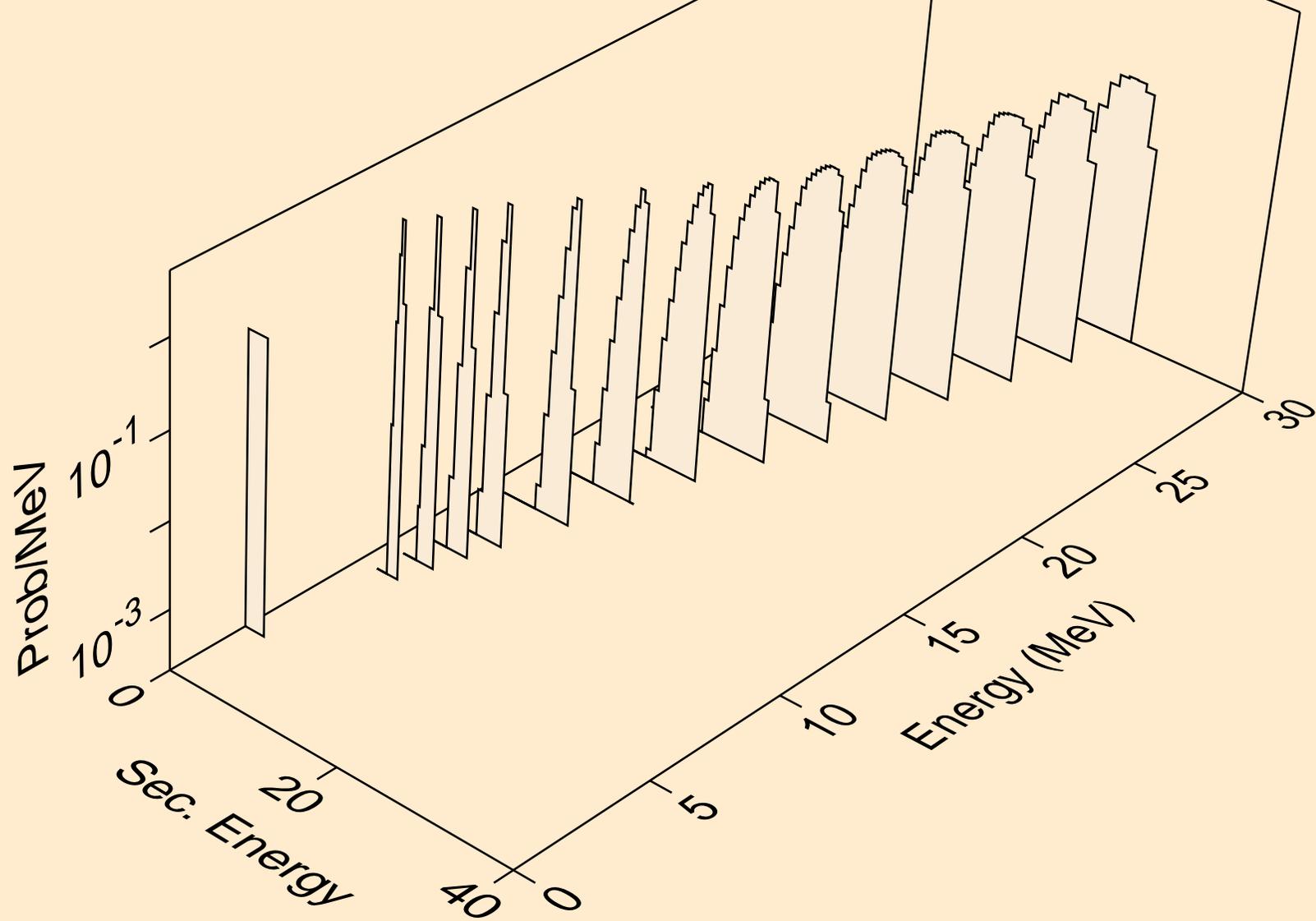protons from (d,2p)

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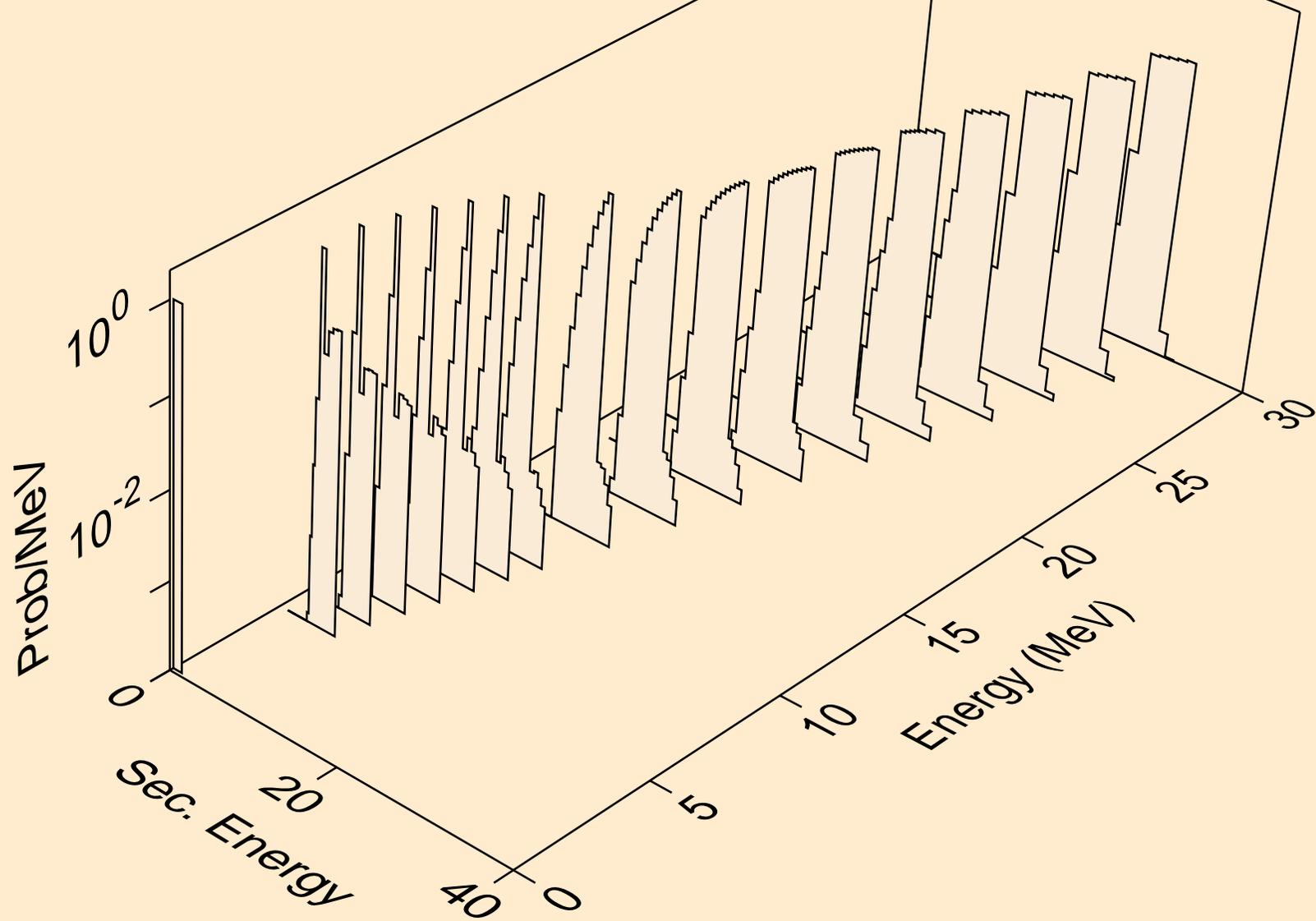protons from (d,pd)

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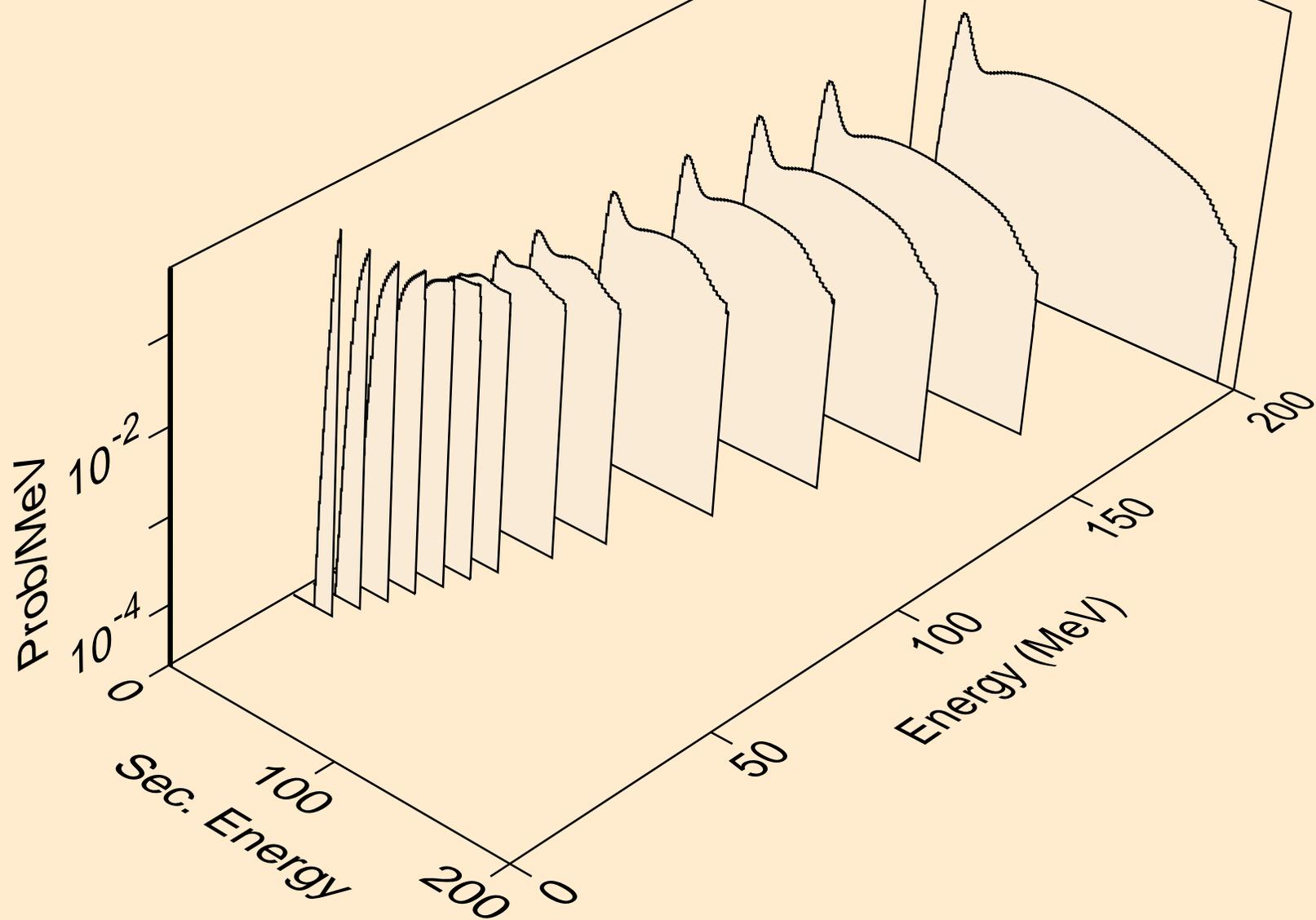tritons from (d,x)

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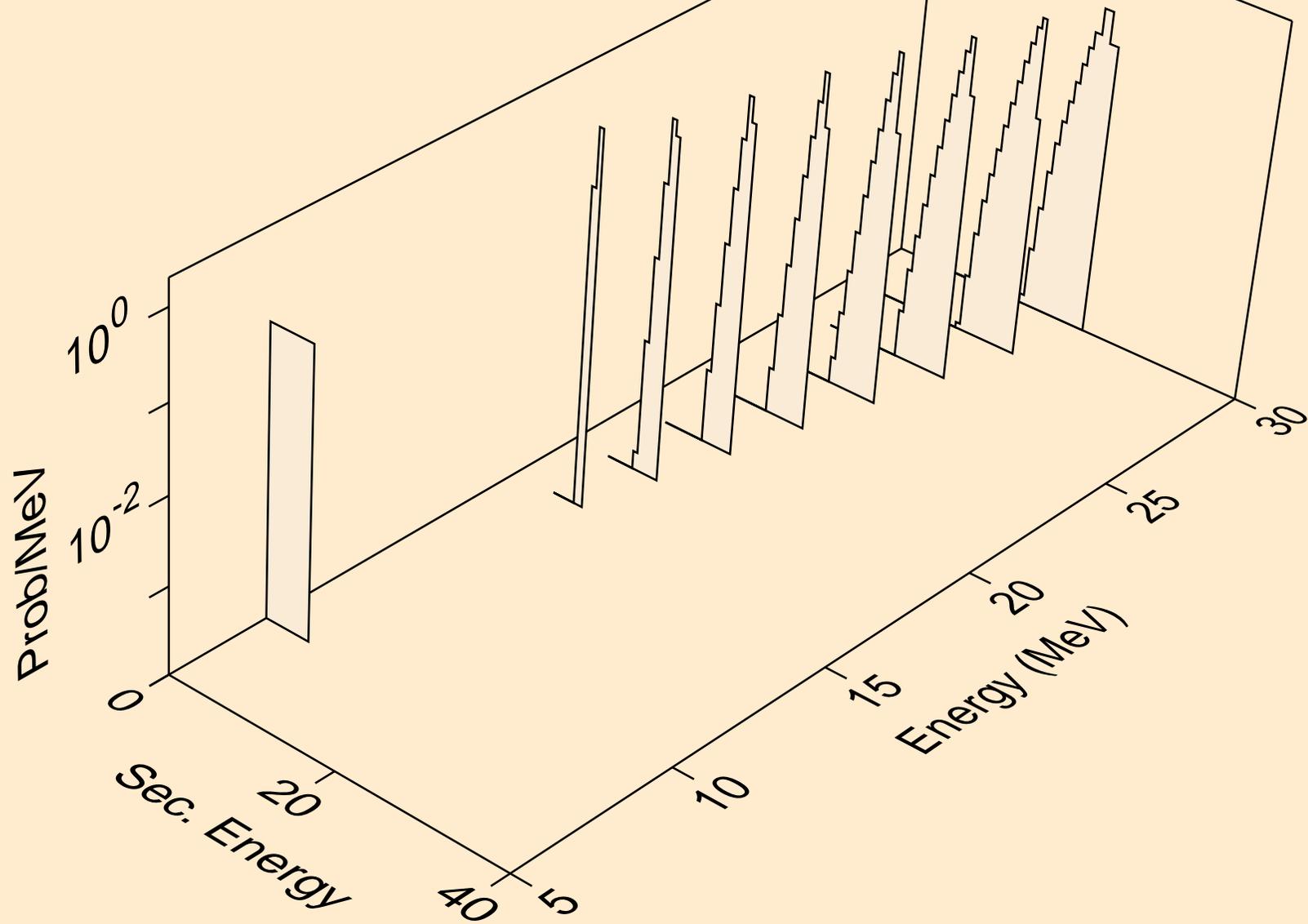tritons from (d,n*)t

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
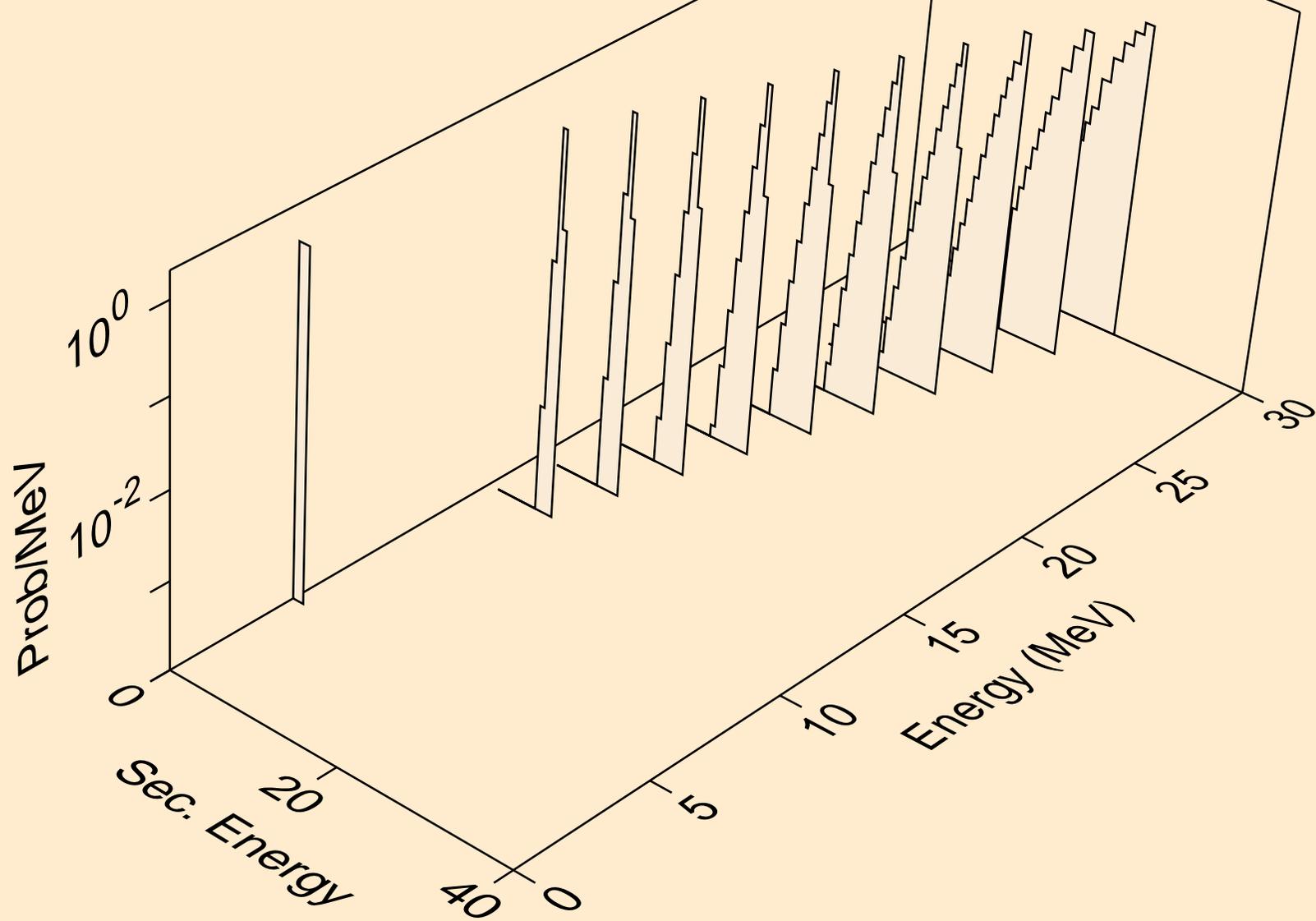tritons from (d,t)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
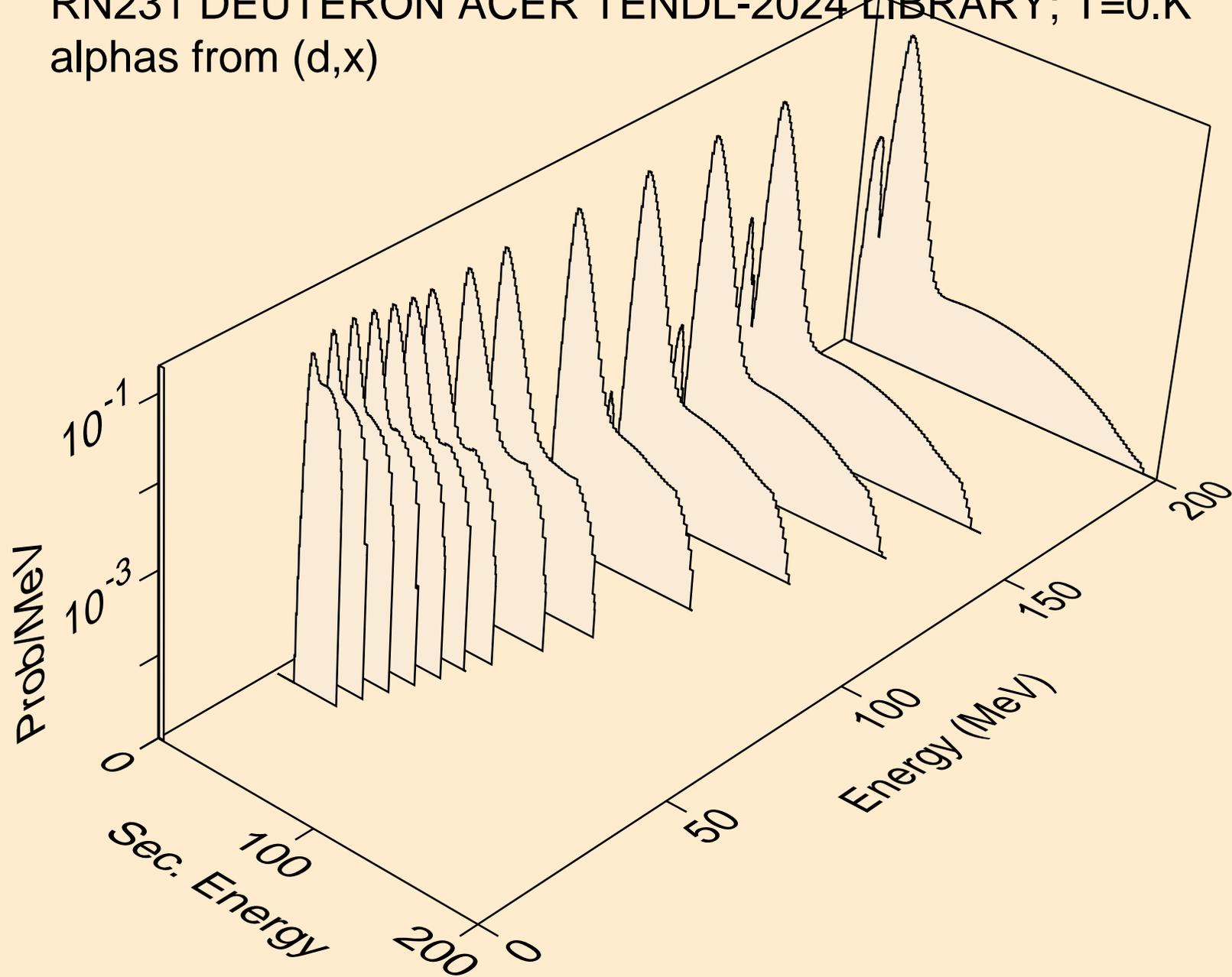he3s from (d,x)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
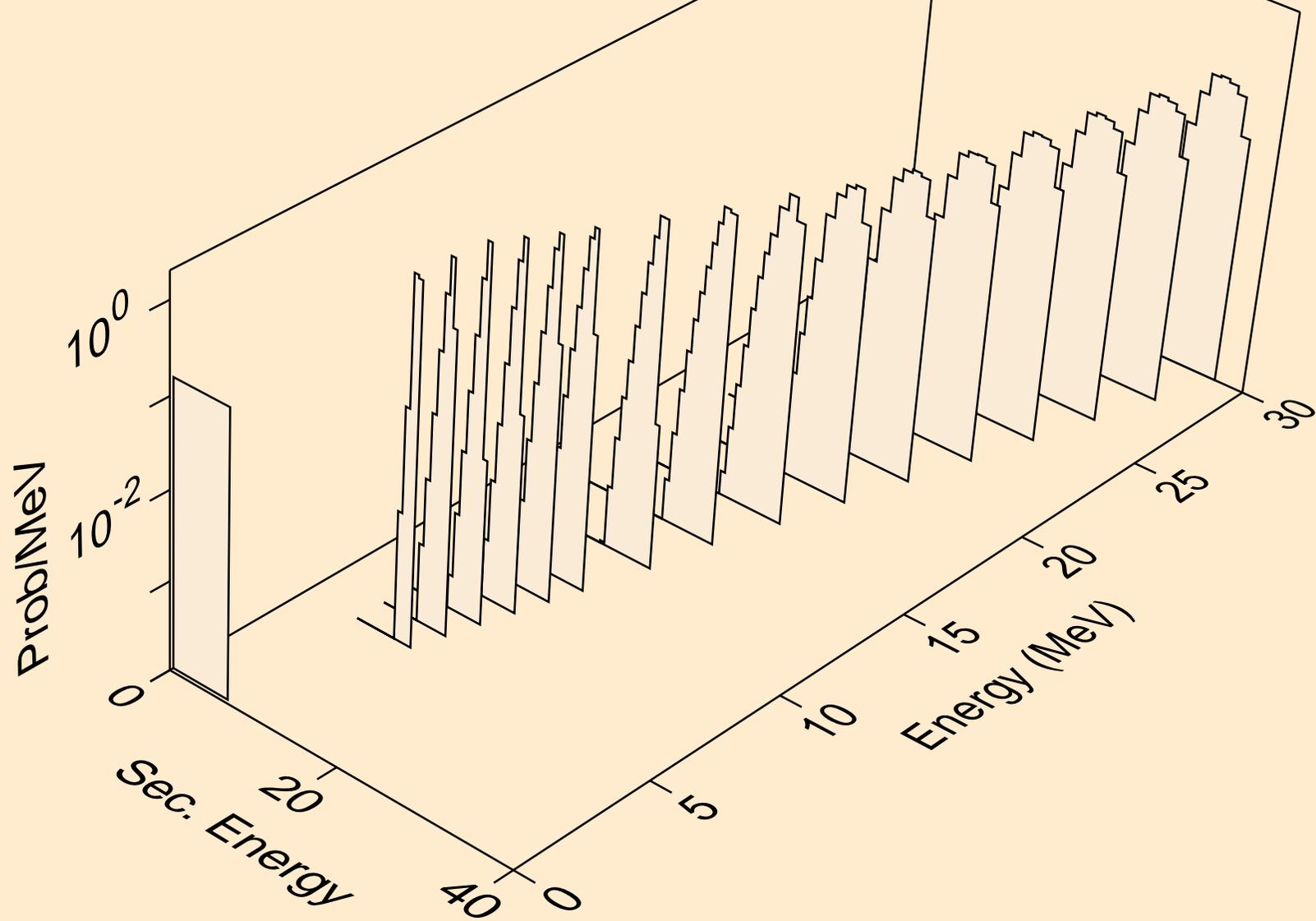he3s from (d,n*)he3

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
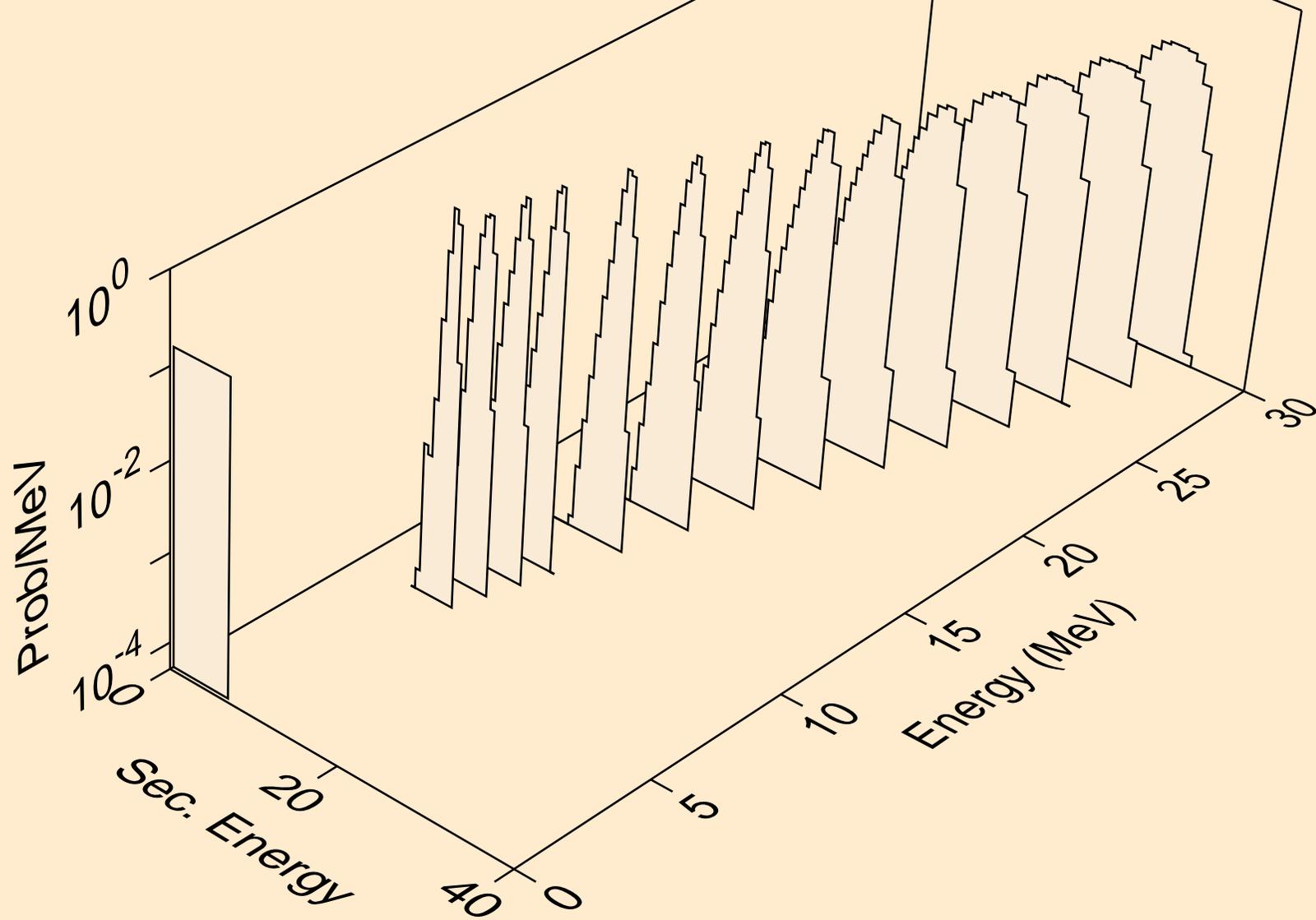he3s from (d,he3)

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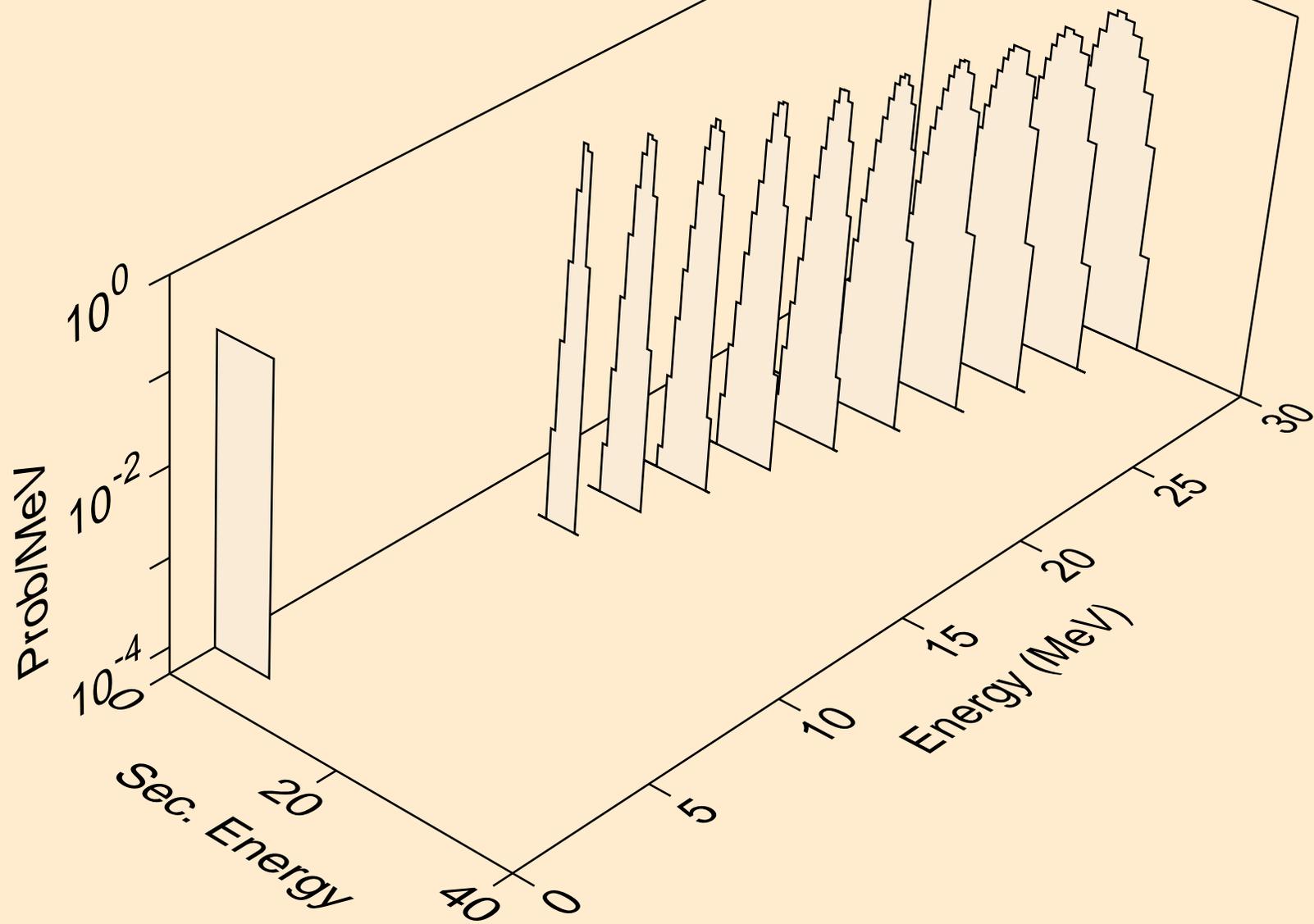alphas from (d,x)

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (d,n*)a

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (d,2n)a

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (d,3n)a

RN231 DEUTERON ACER TENDL-2024 LIBRARY; T=0.K
alphas from (d,a)