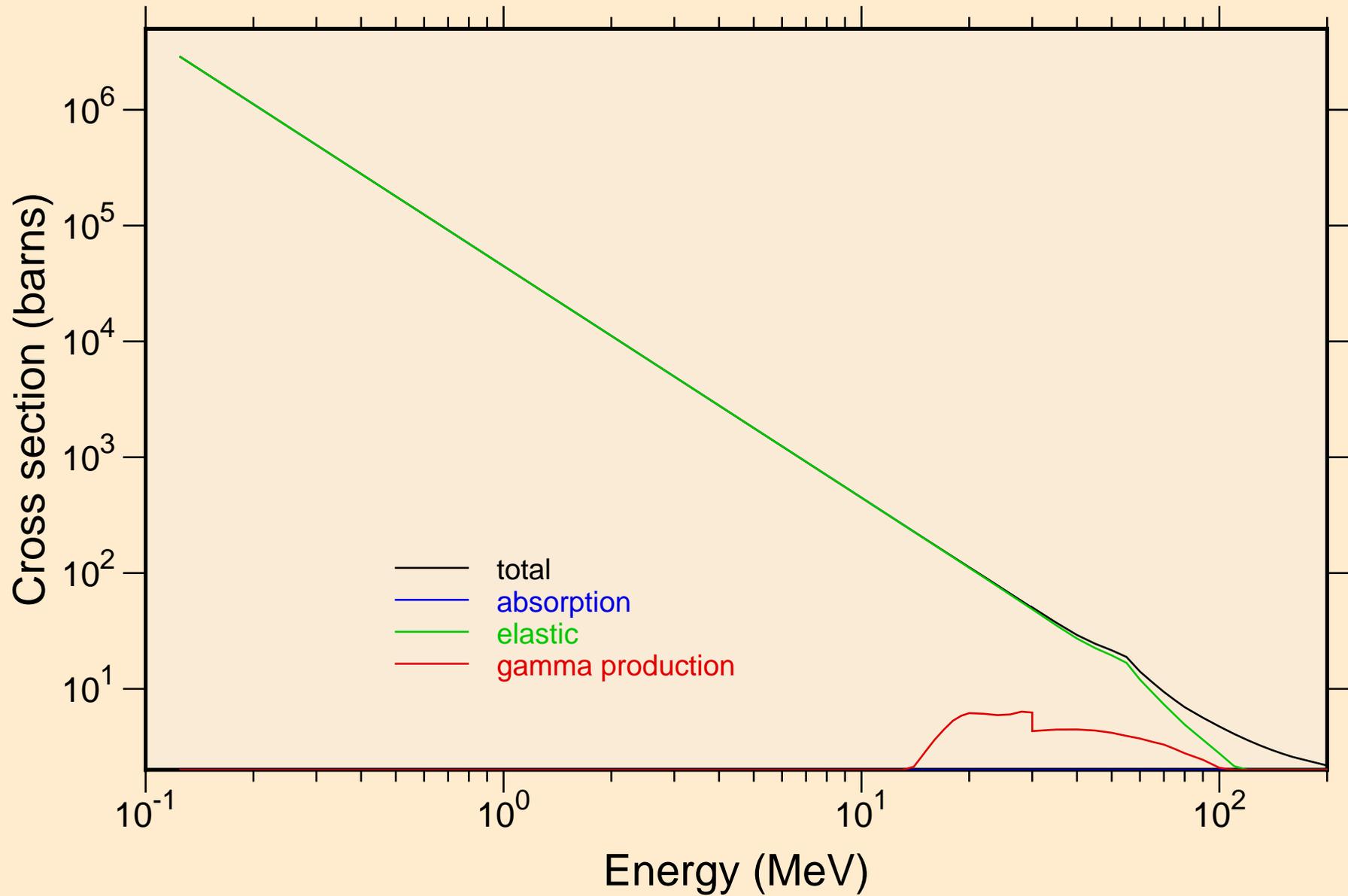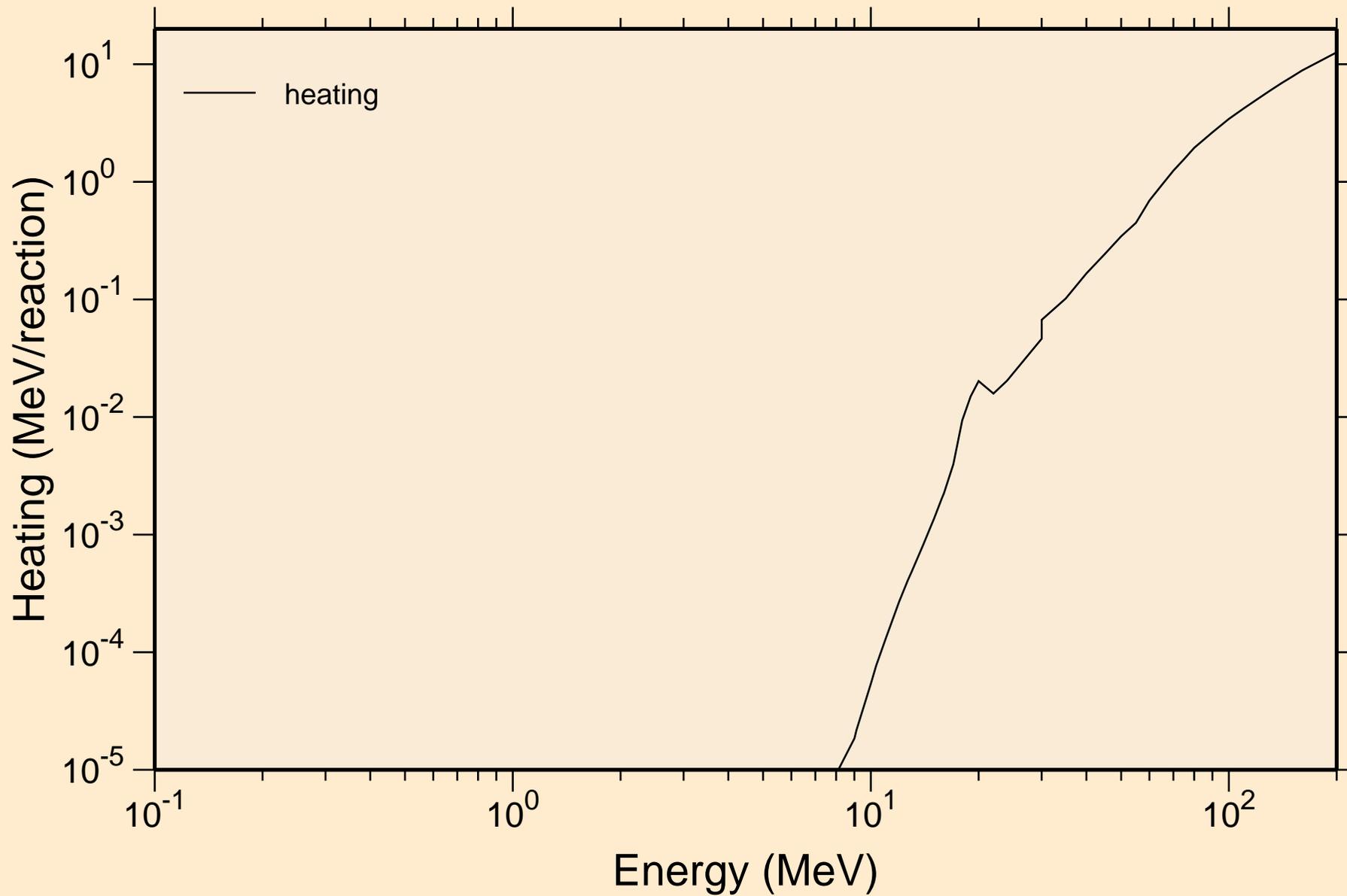AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections
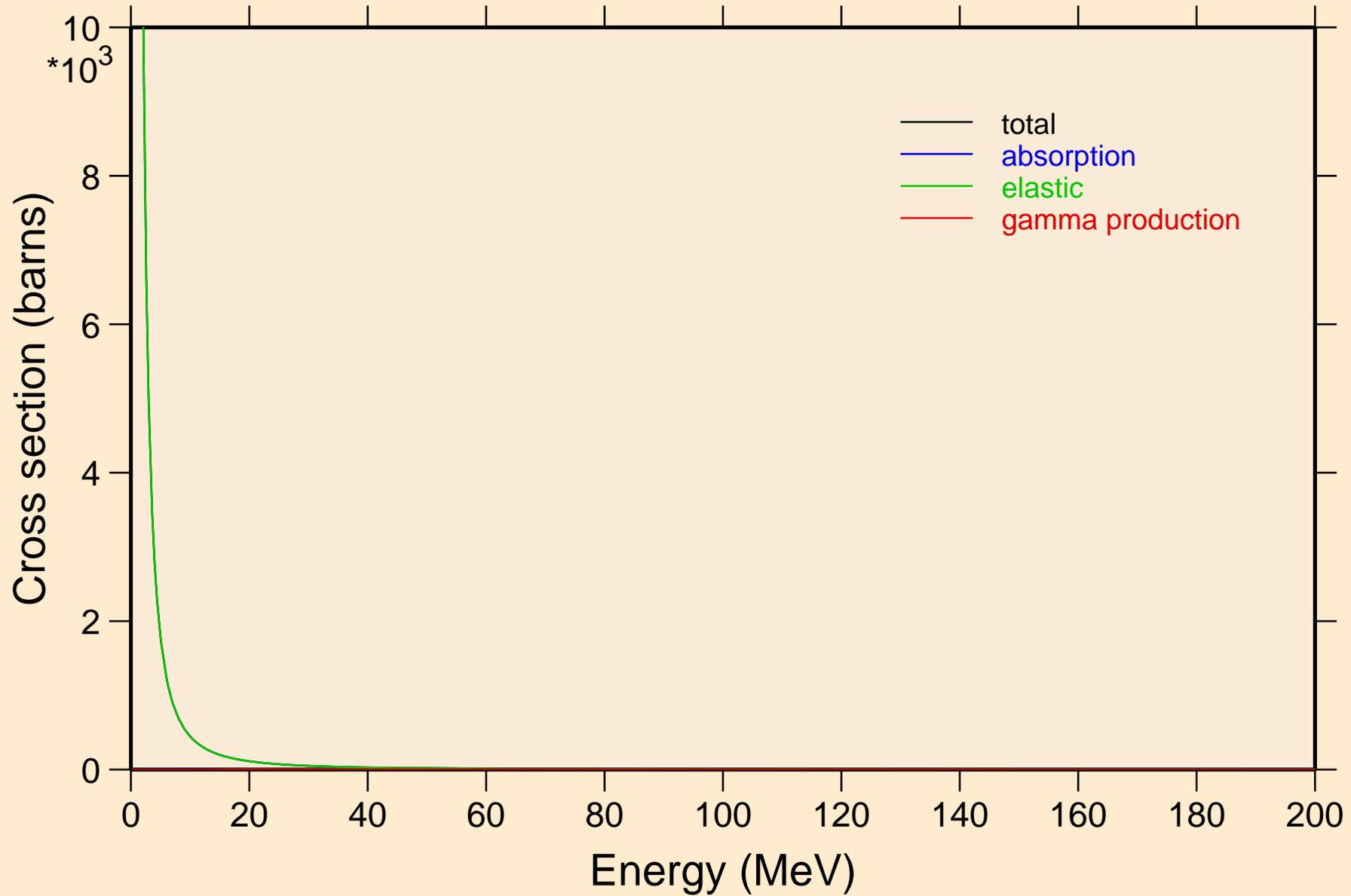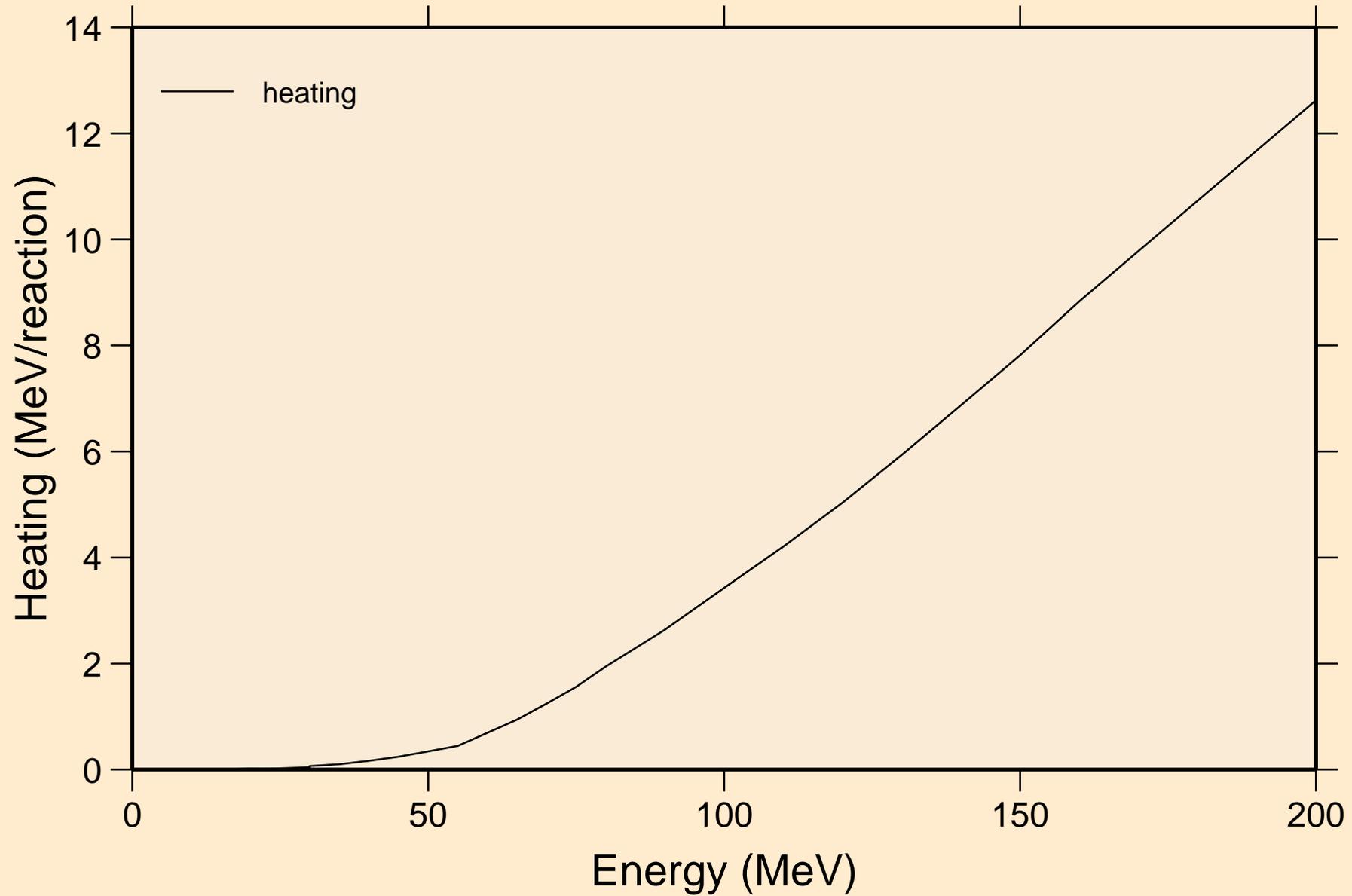
AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Heating

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

Cross section (barns)

$*10^3$

— total
— absorption
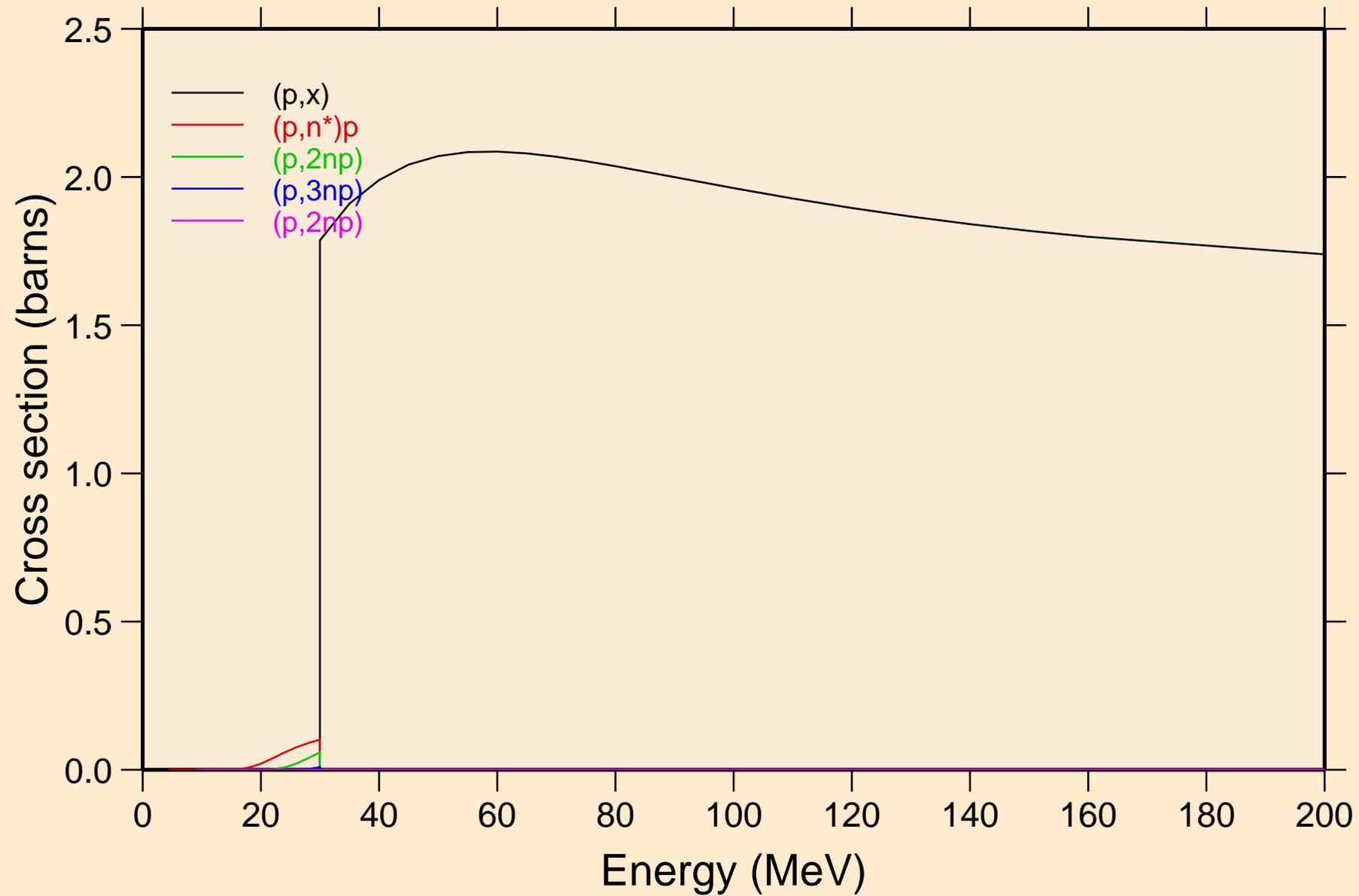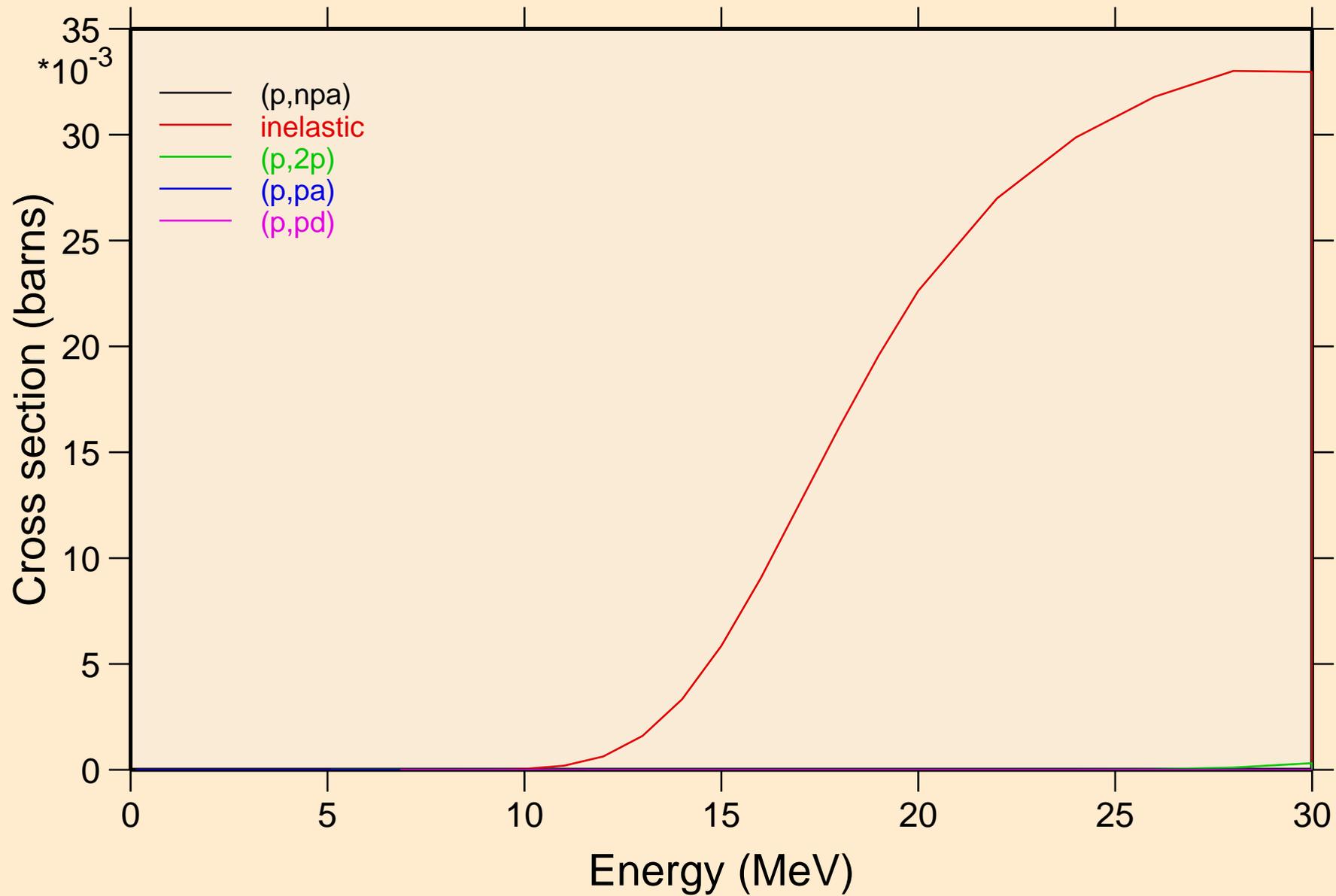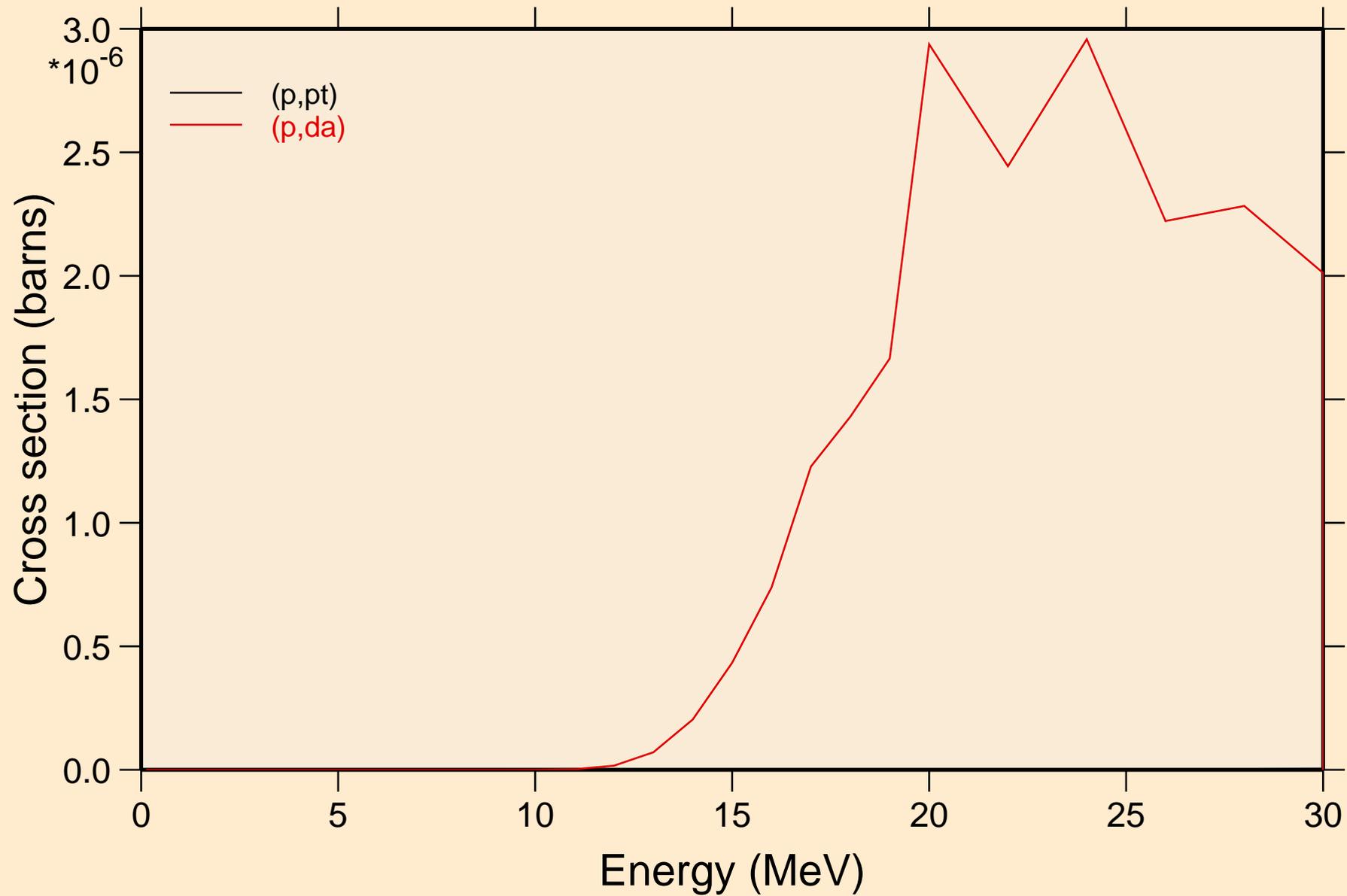— elastic
— gamma production

Energy (MeV)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Heating

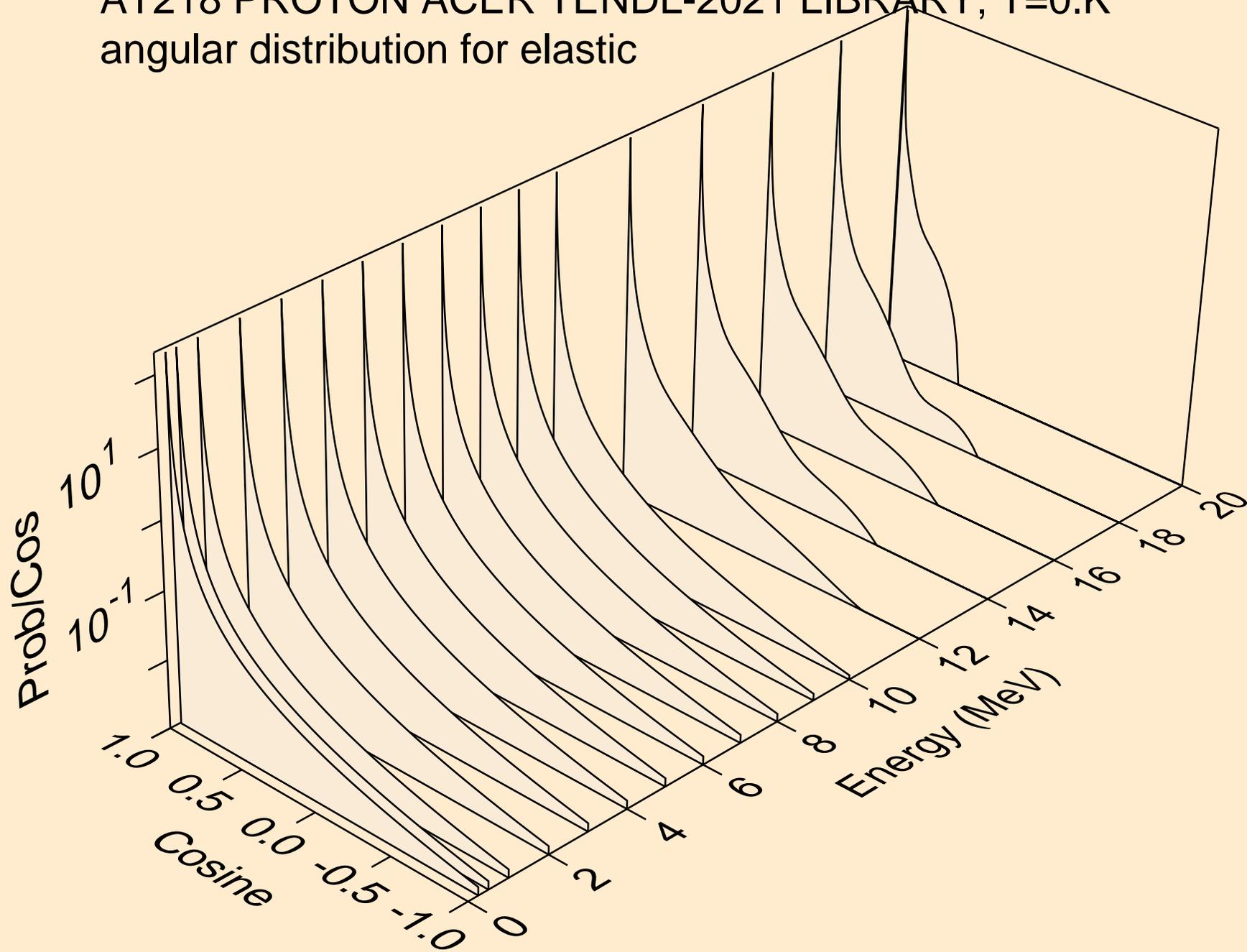AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Legend:
- (p,x)
- (p,n*)p
- (p,2np)
- (p,3np)
- (p,2np)

Cross section (barns) vs Energy (MeV)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Legend:
- (p,npa)
- inelastic
- (p,2p)
- (p,pa)
- (p,pd)

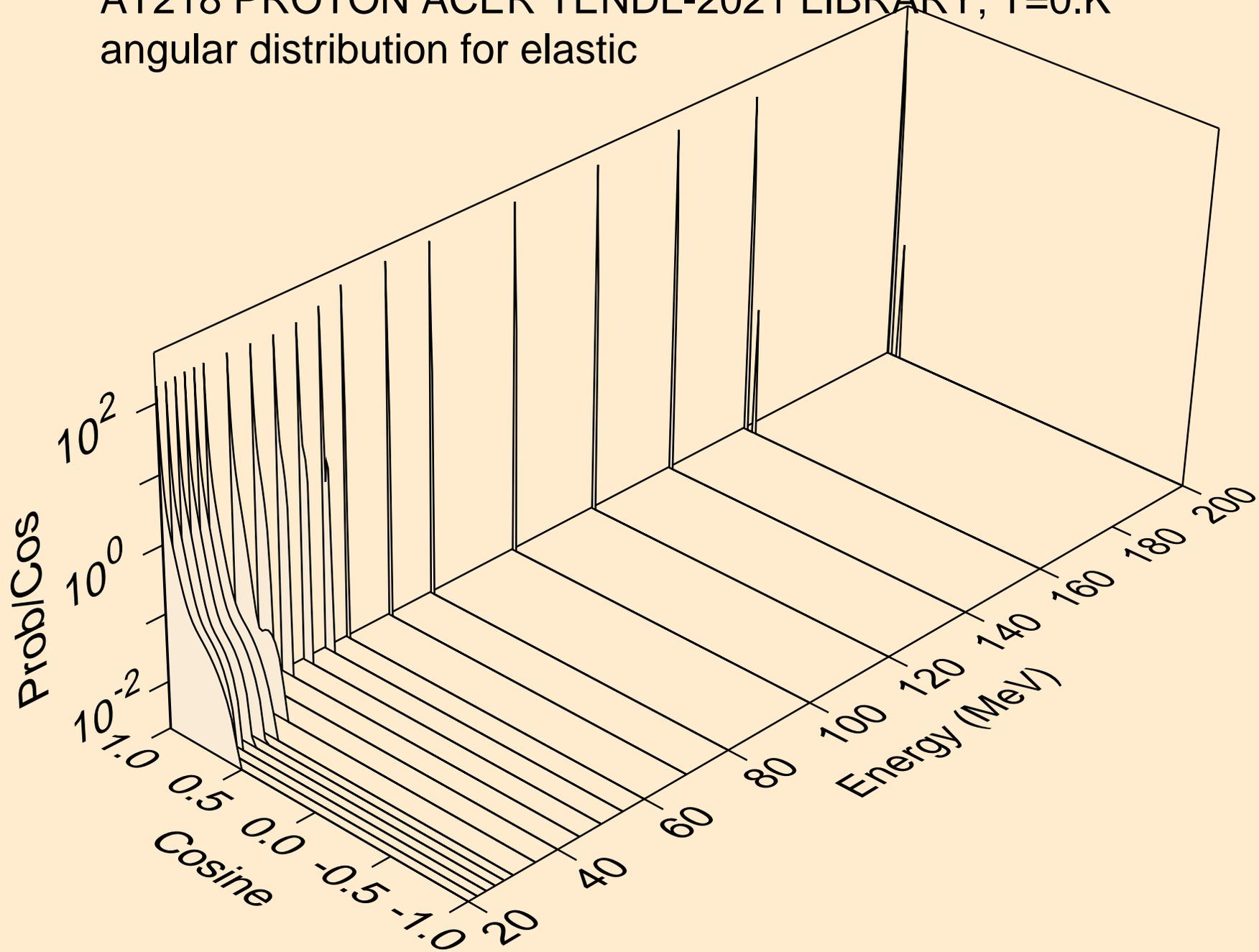Y-axis: Cross section (barns), ×10⁻³
X-axis: Energy (MeV)

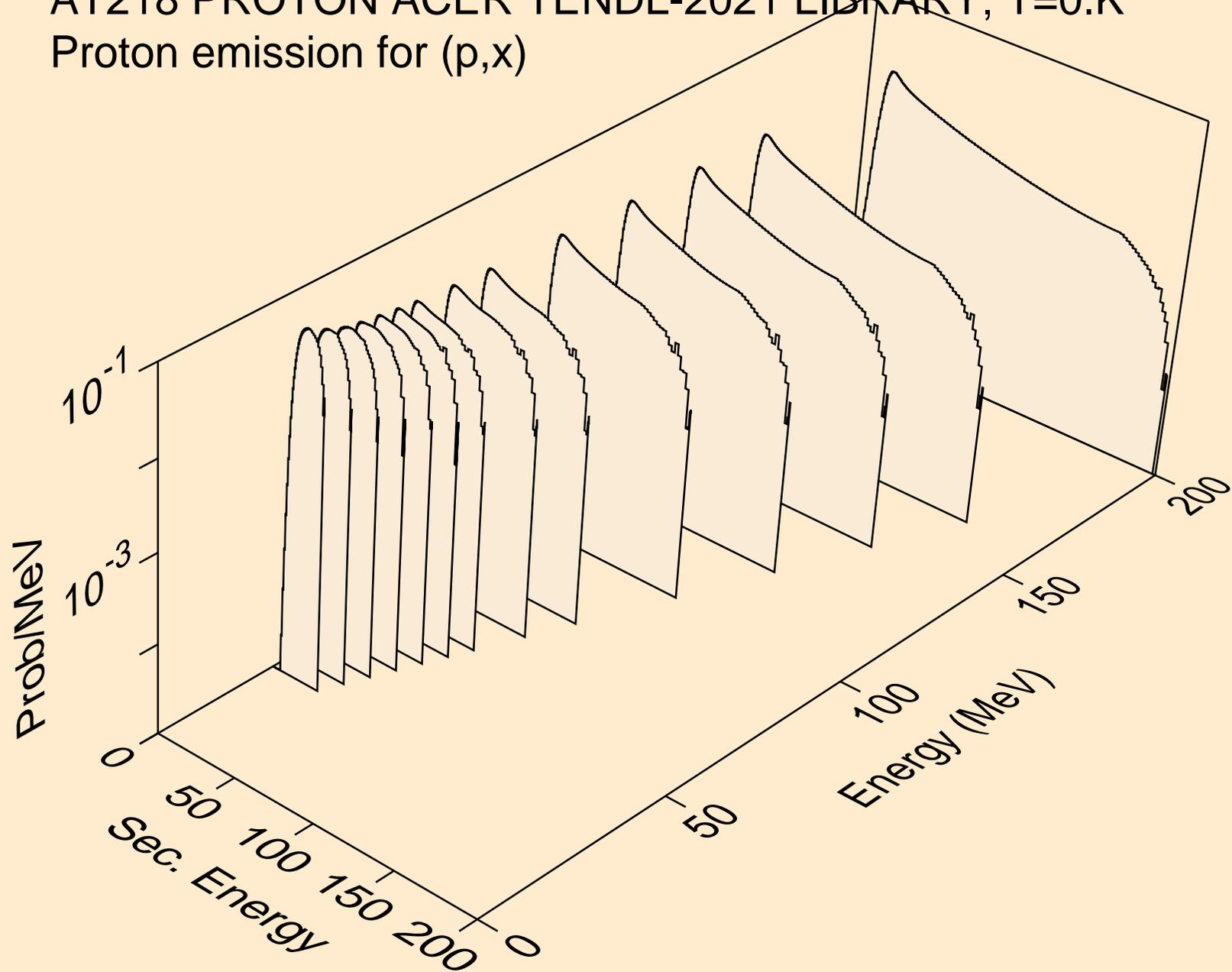AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
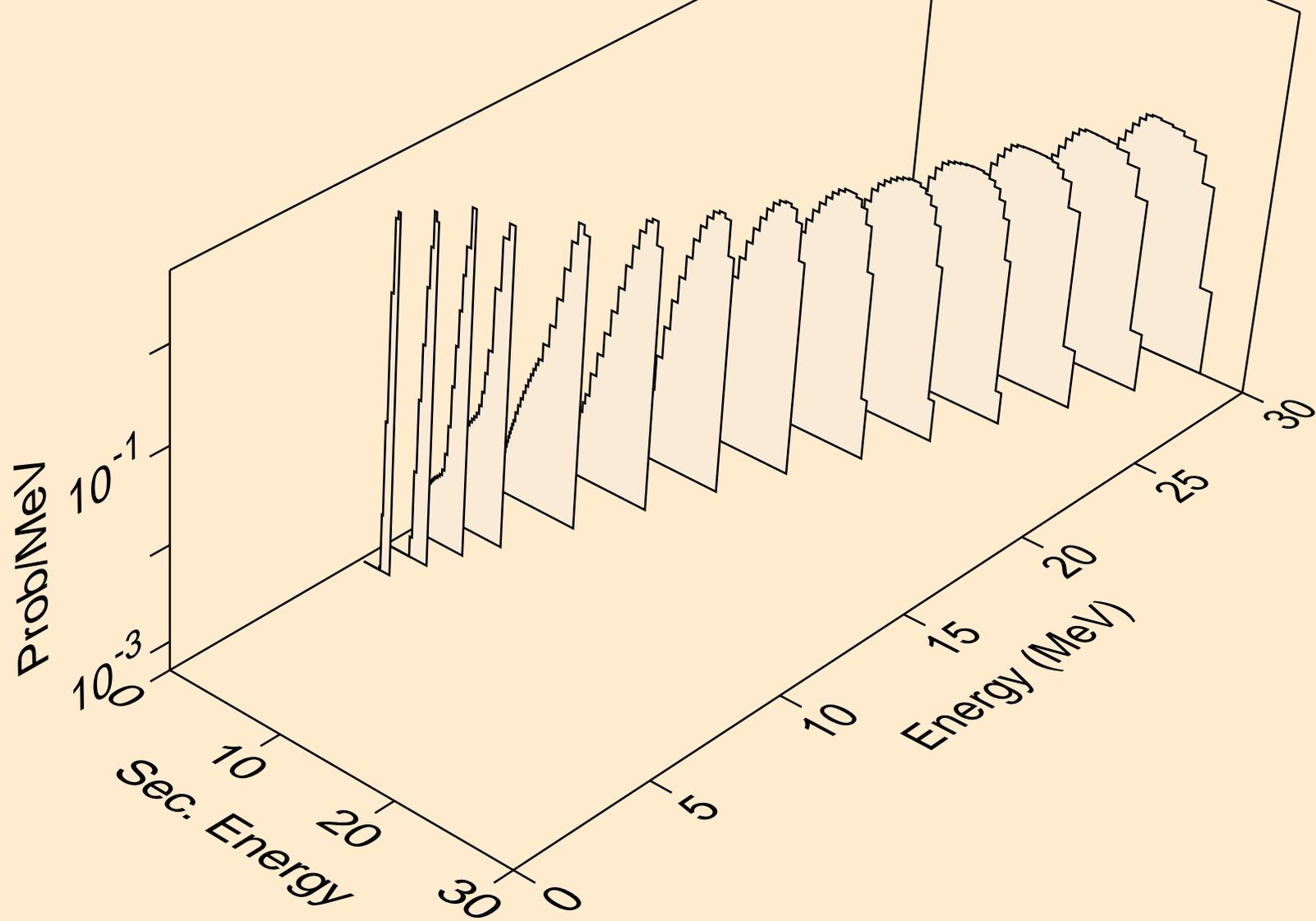angular distribution for elastic

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
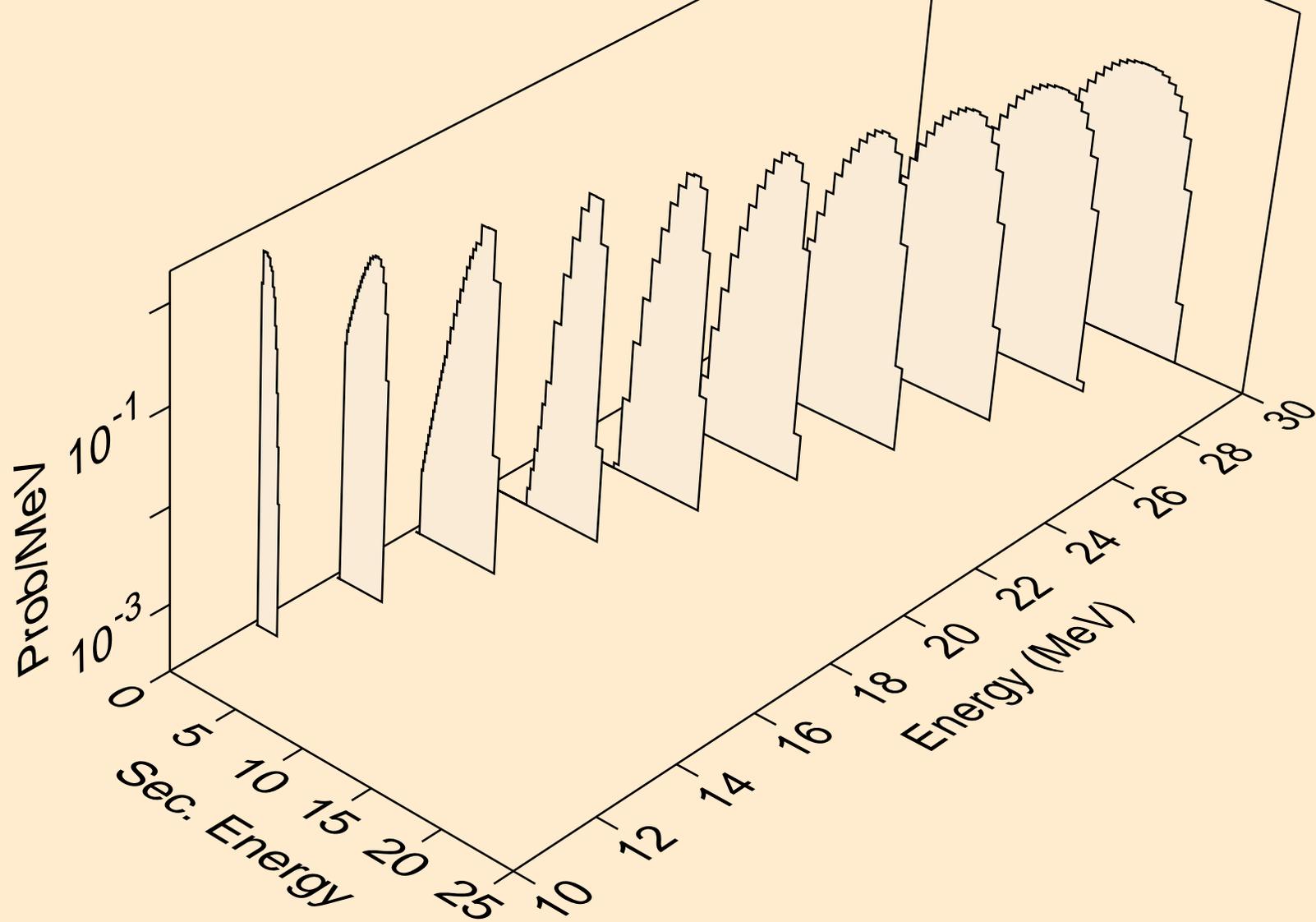angular distribution for elastic

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
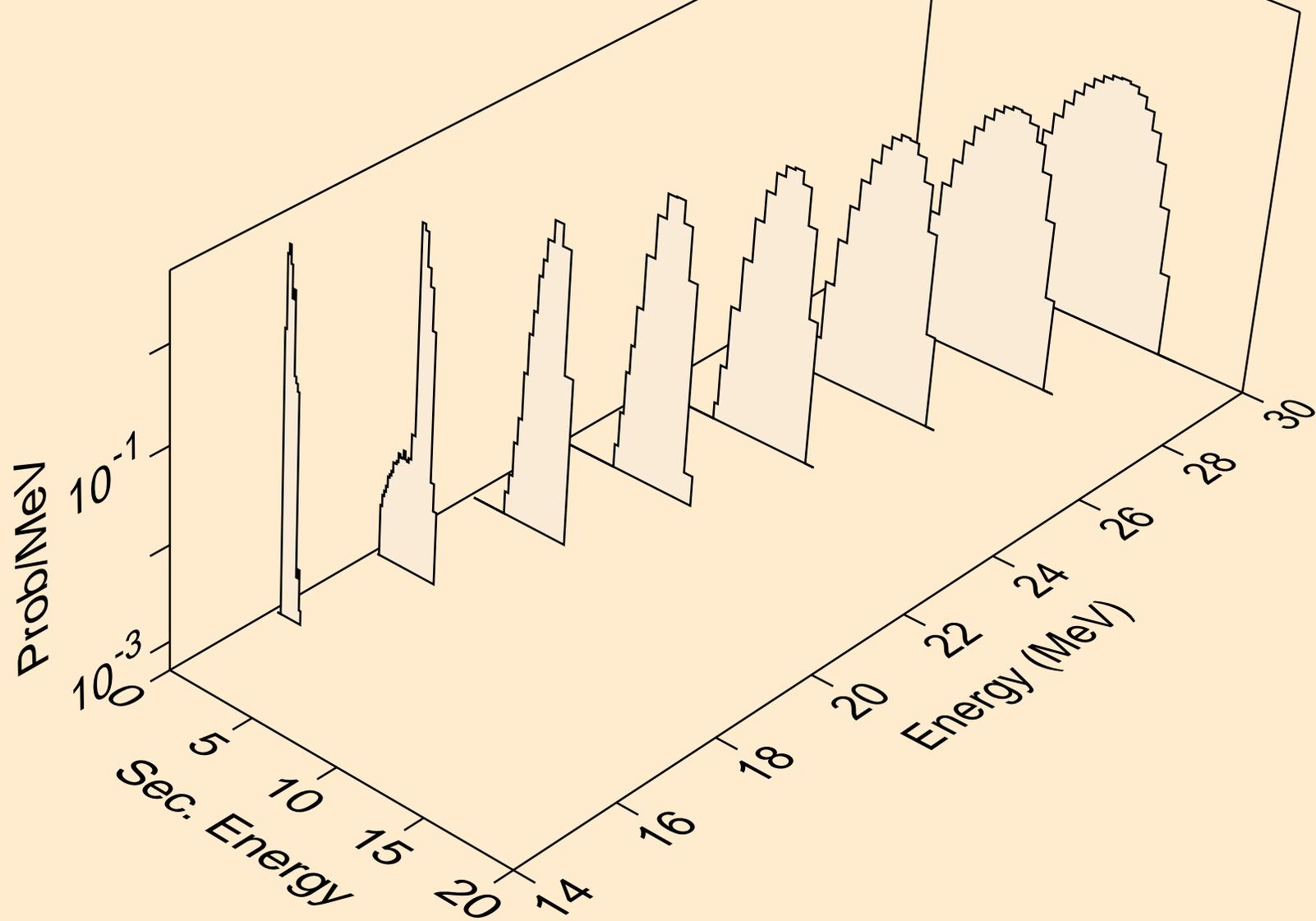Proton emission for (p,x)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
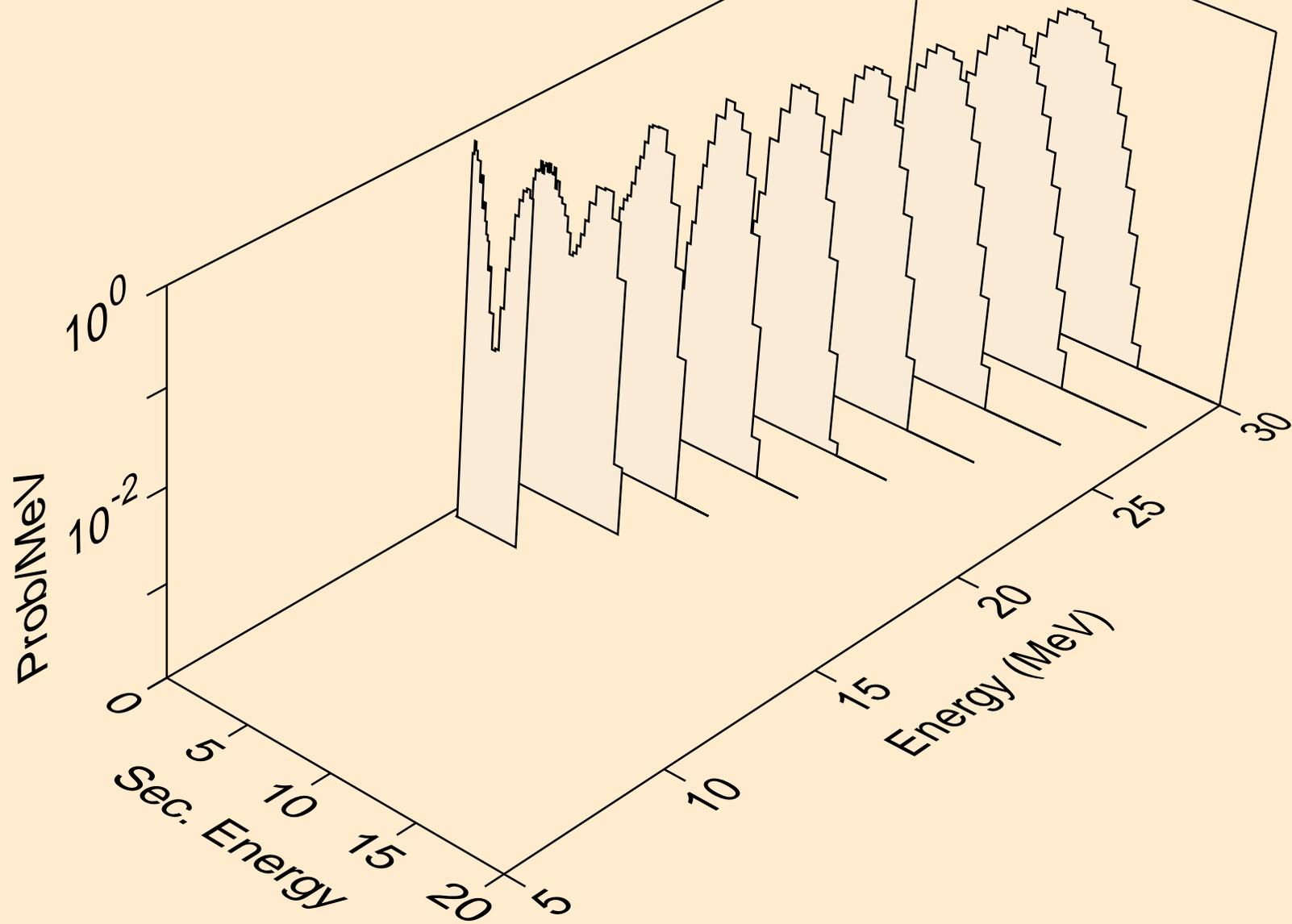Proton emission for (p,n*)p

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
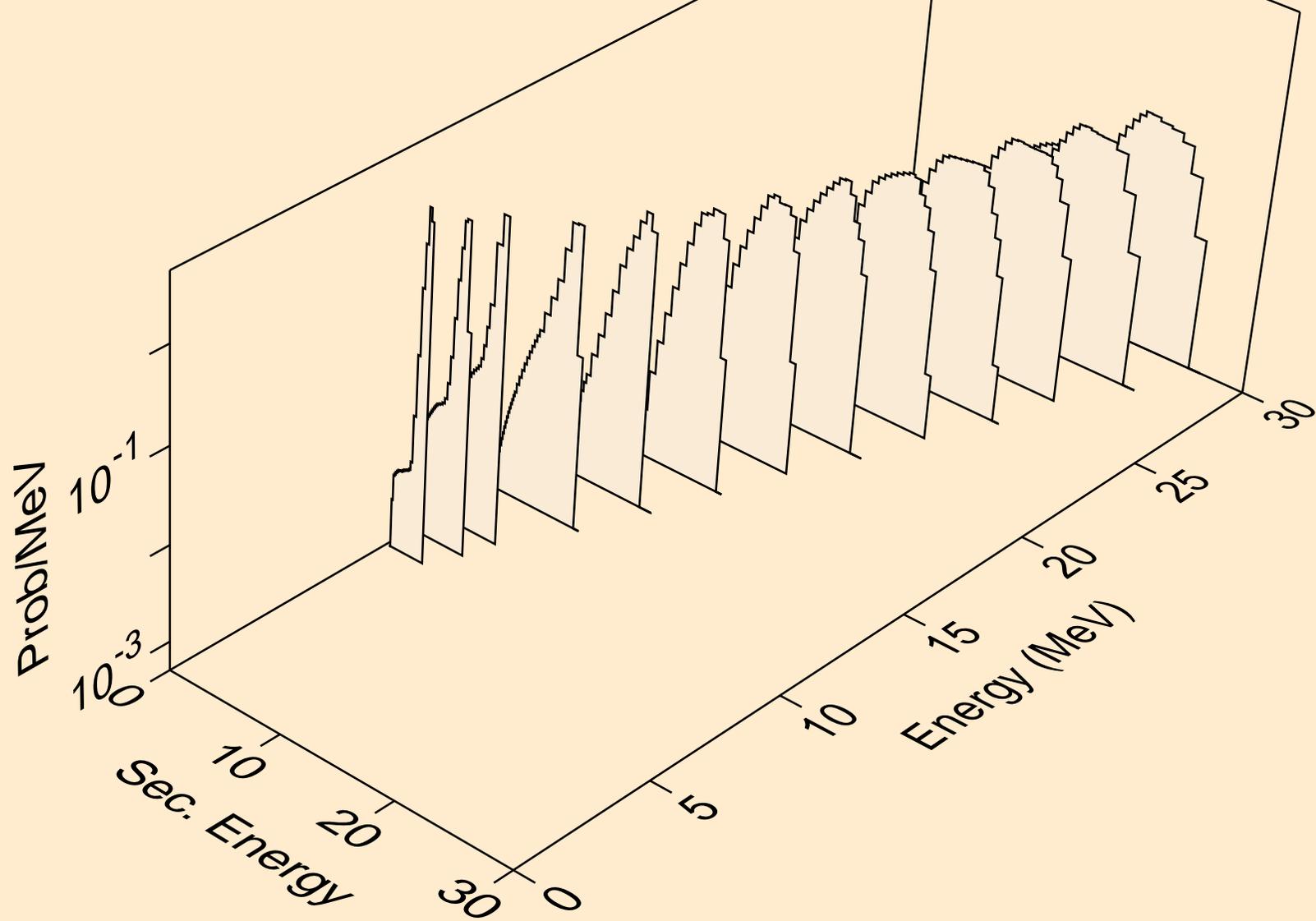Proton emission for (p,2np)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
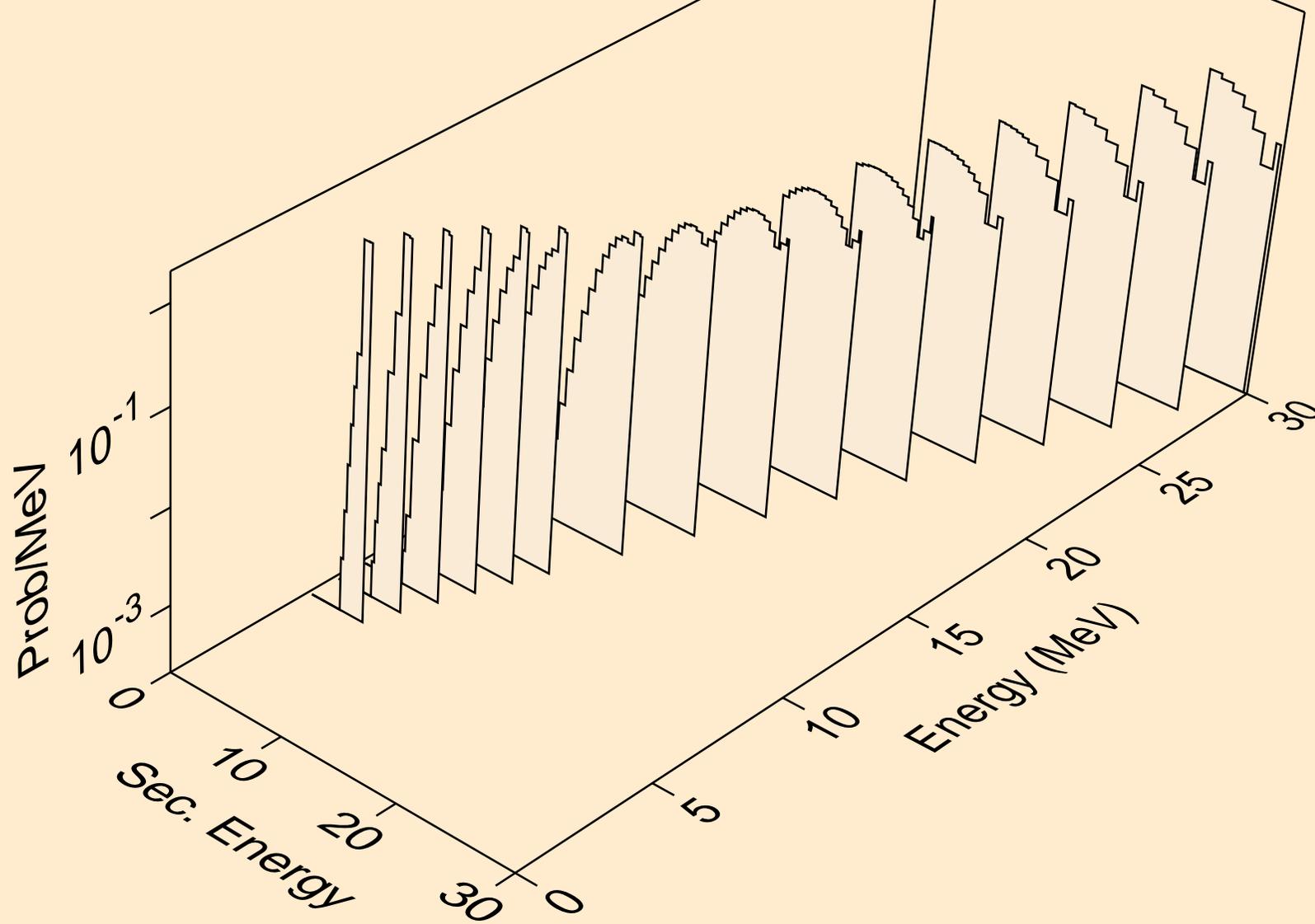Proton emission for (p,3np)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
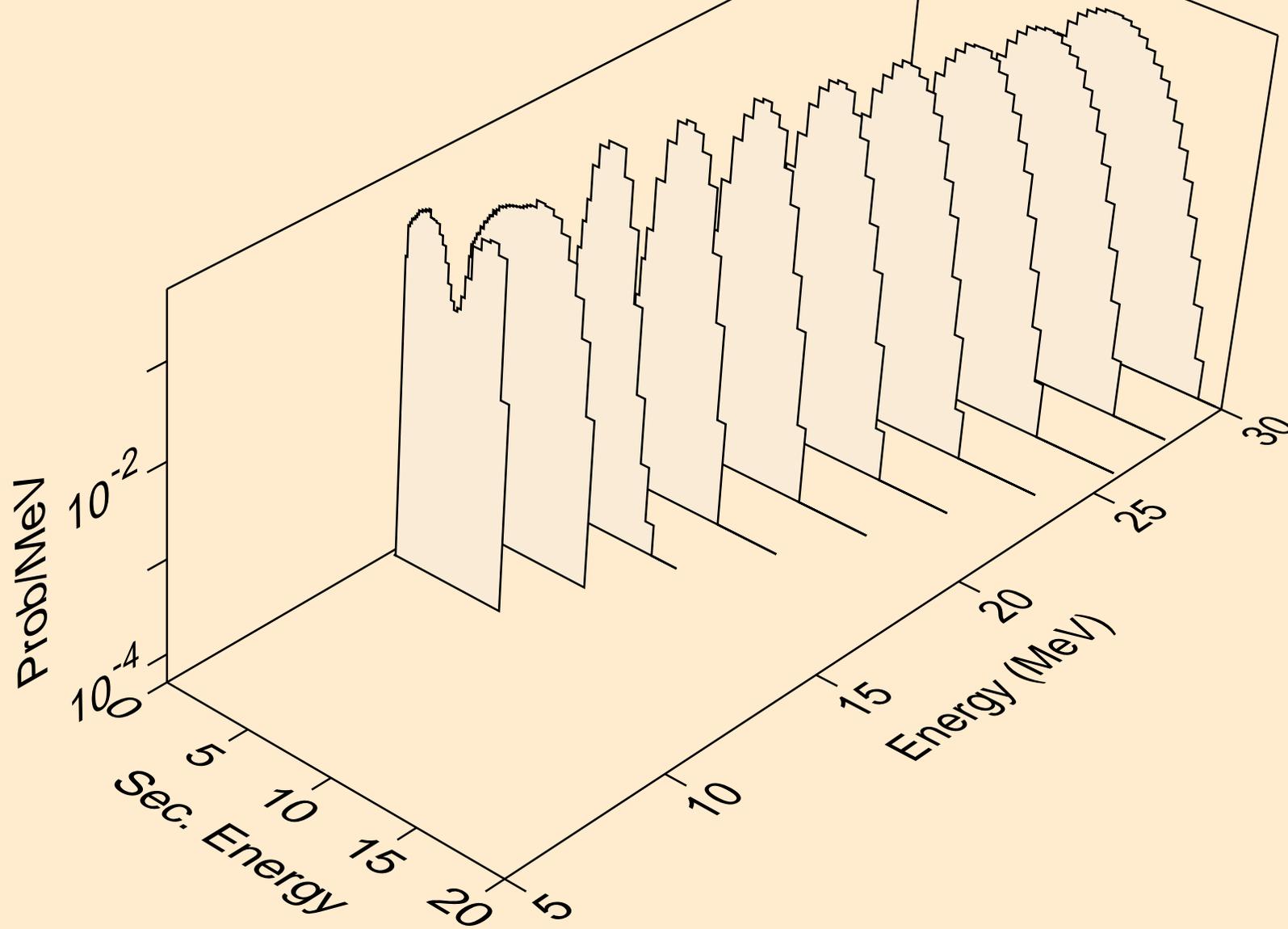Proton emission for (p,2np)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
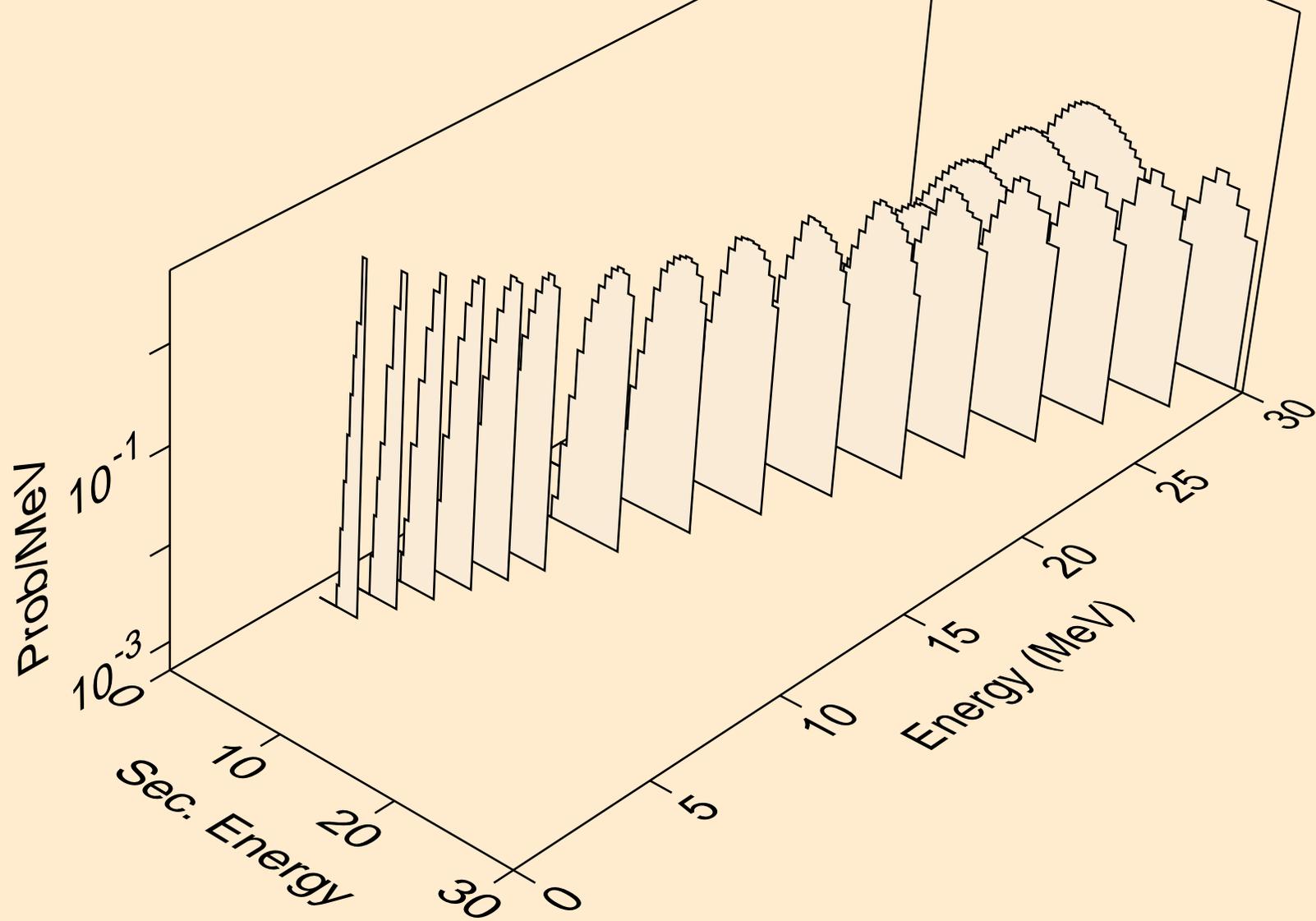Proton emission for (p,npa)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
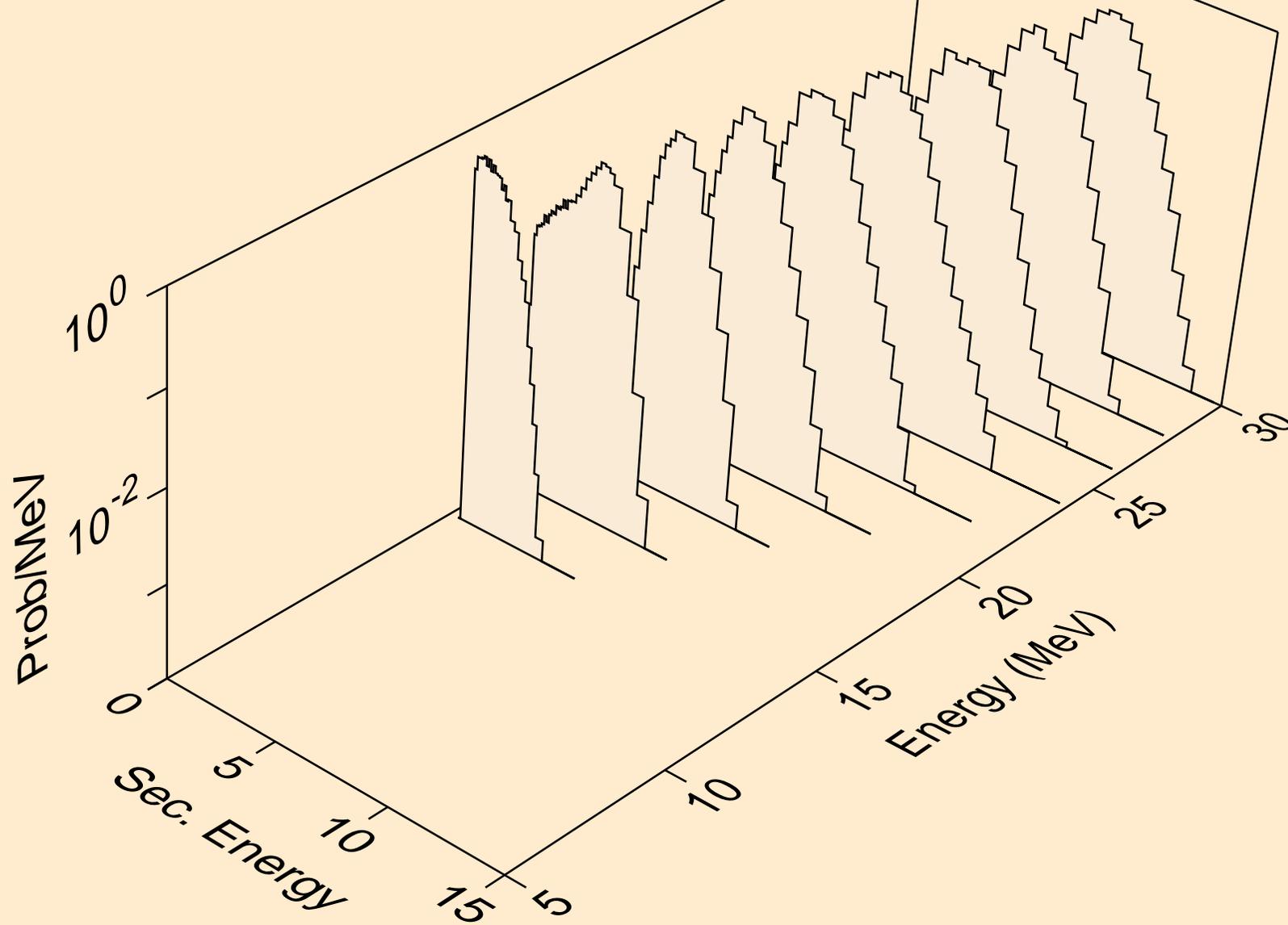Proton emission for inelastic

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
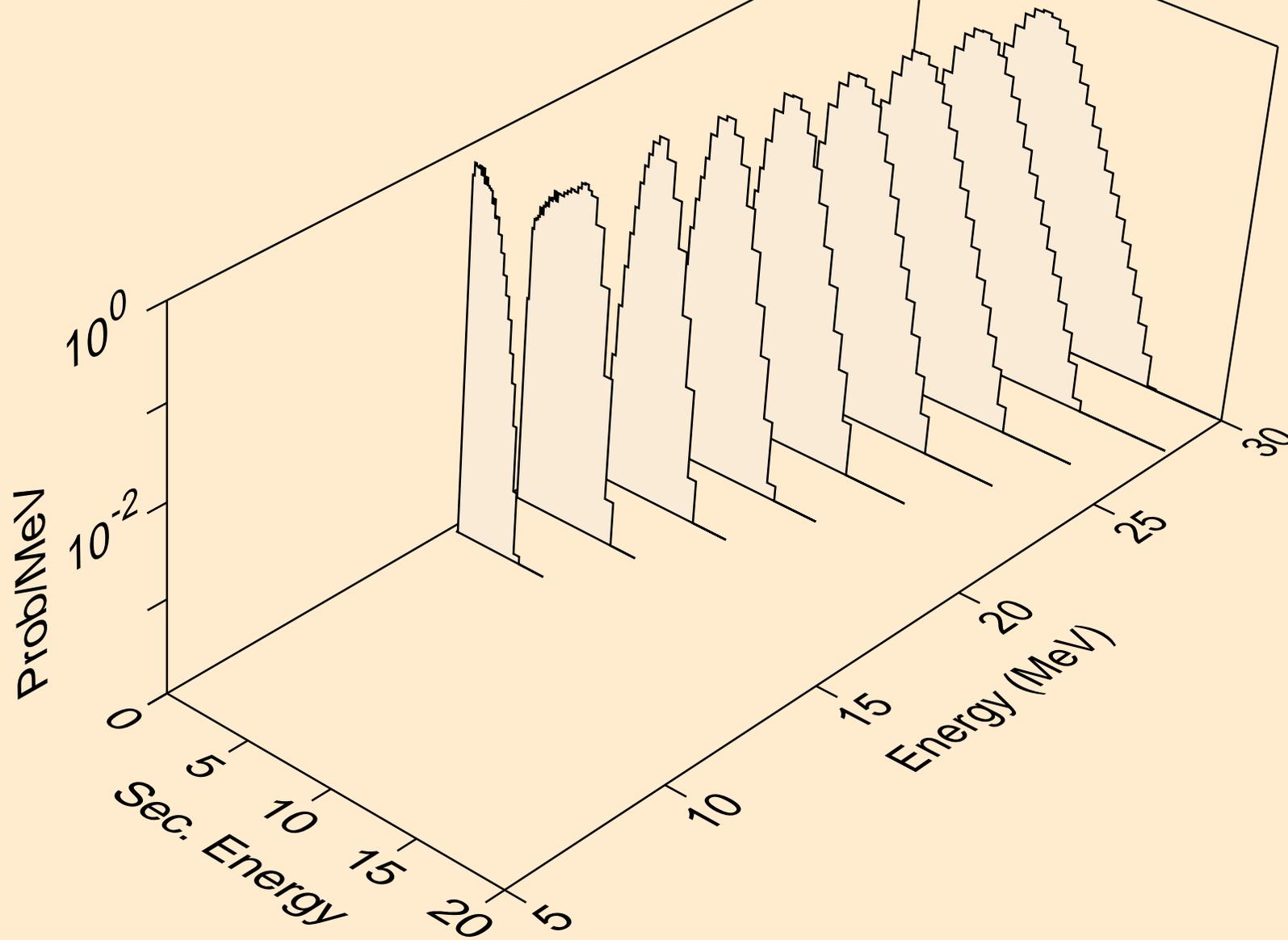Proton emission for (p,2p)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
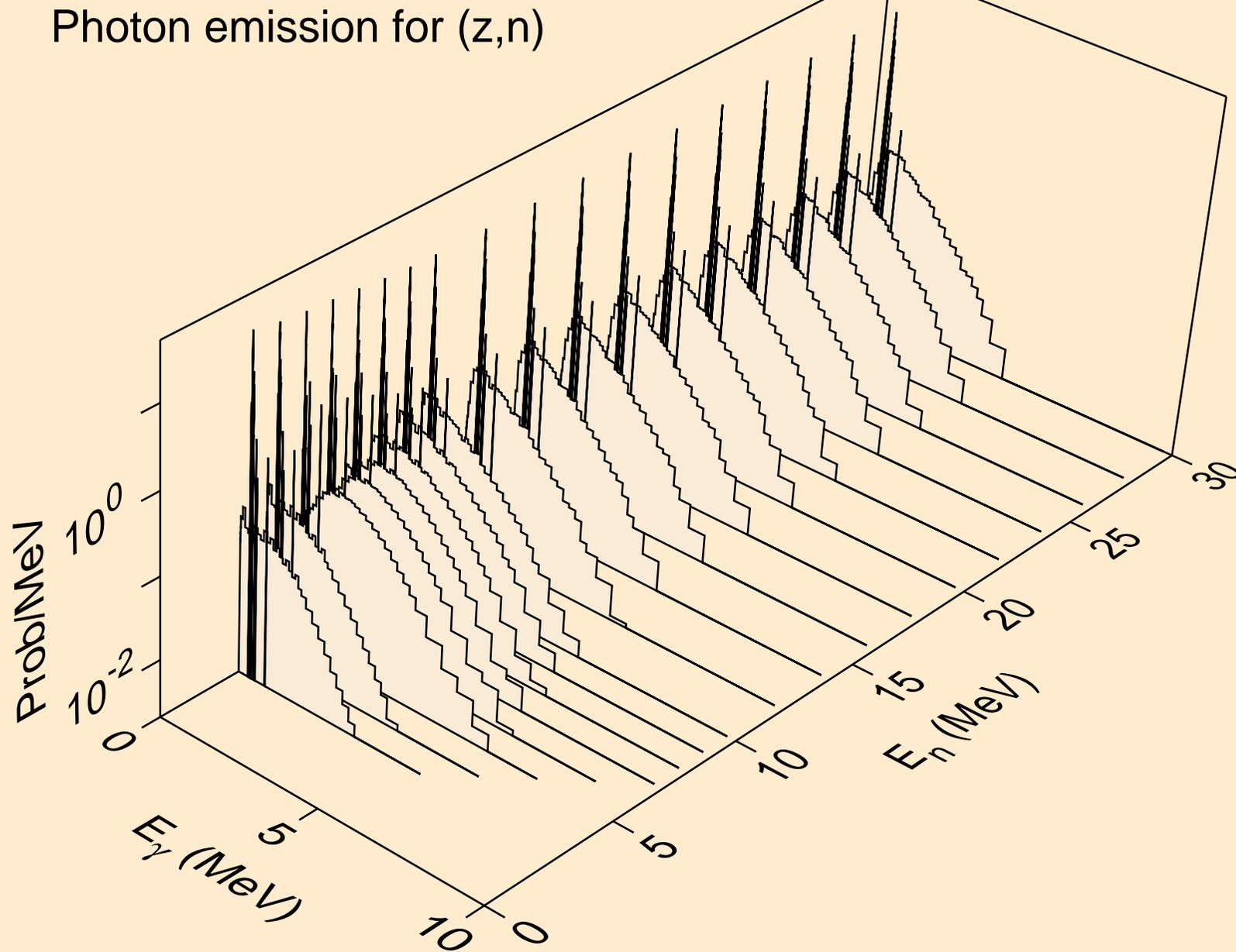Proton emission for (p,pa)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
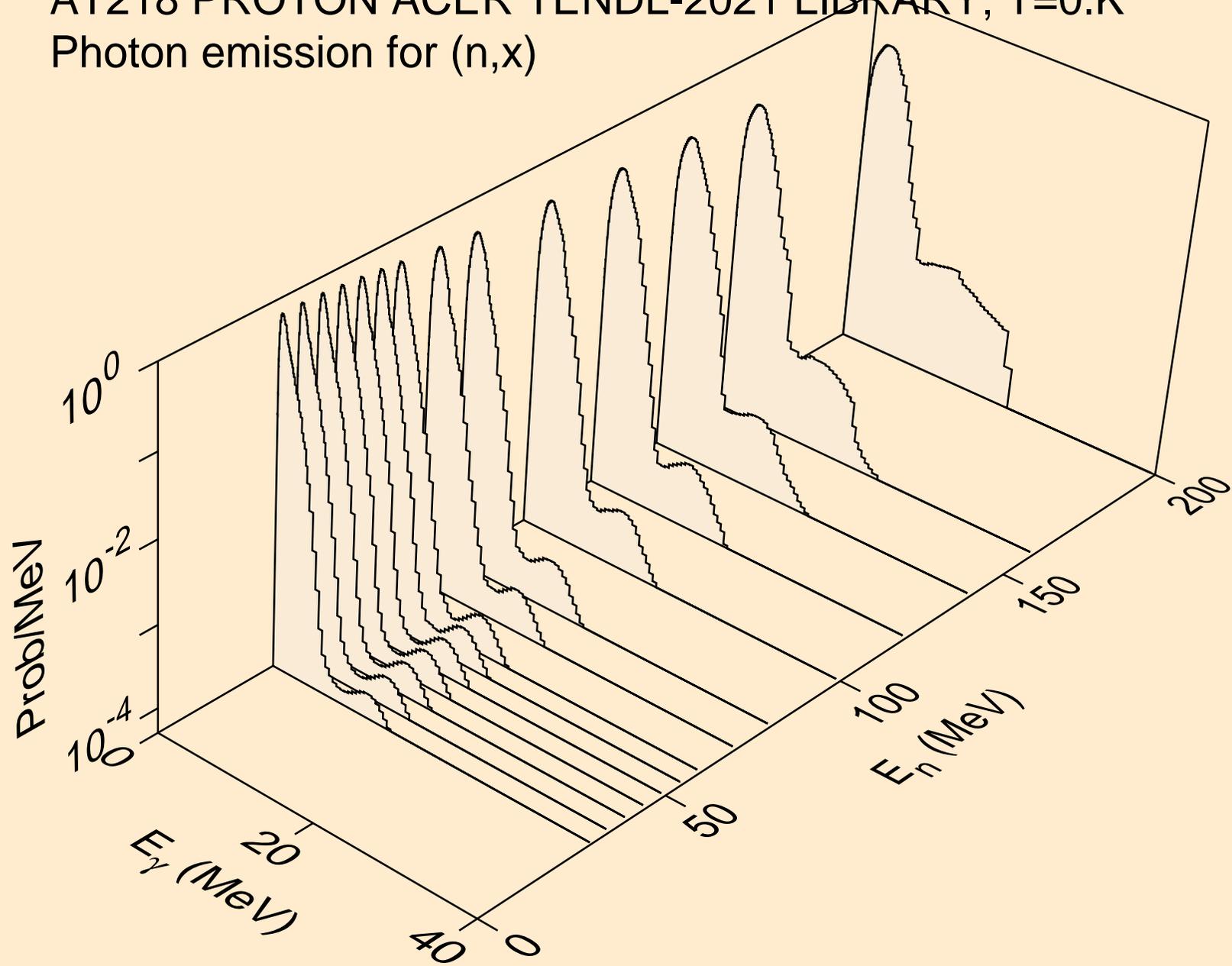Proton emission for (p,pd)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
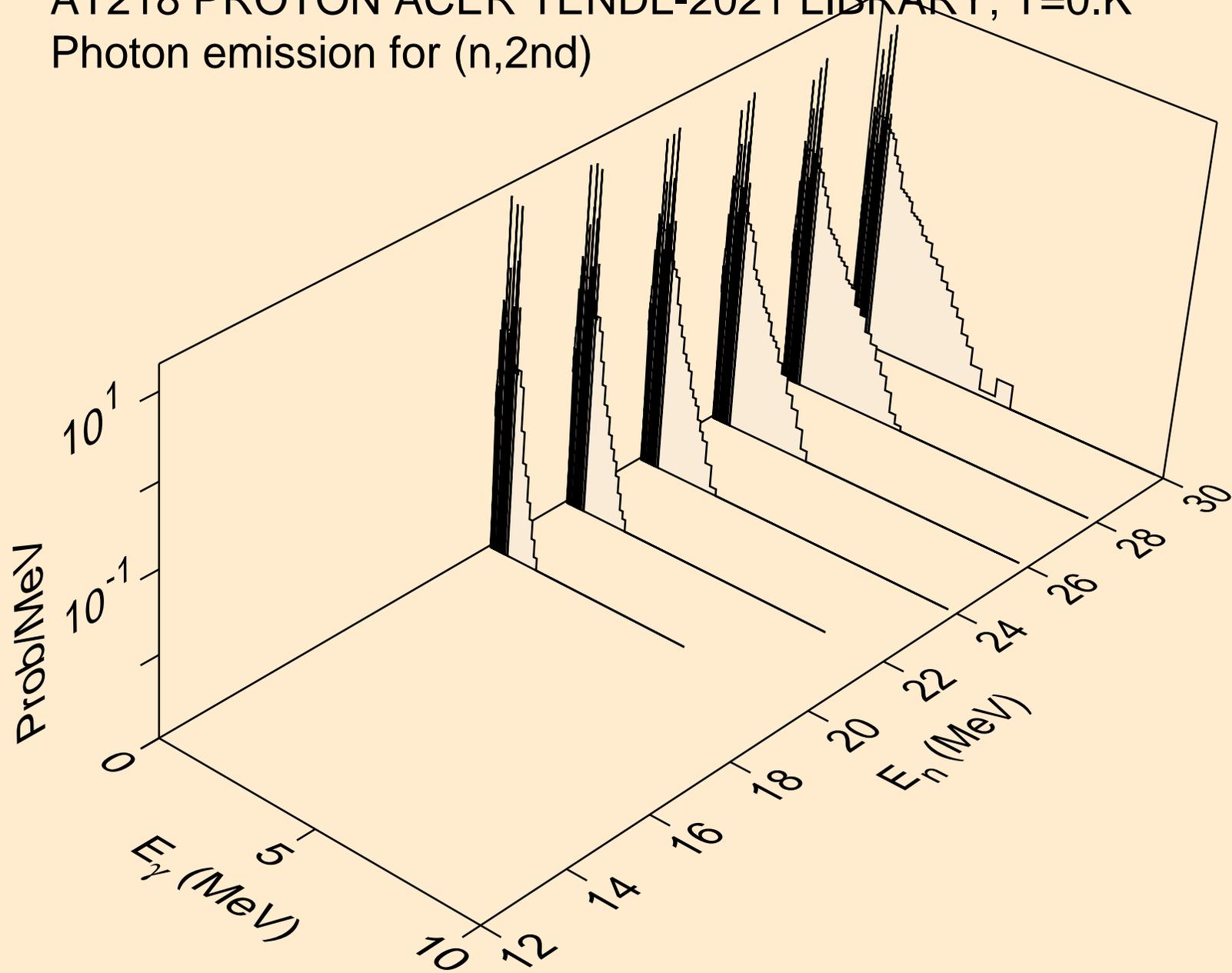Proton emission for (p,pt)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
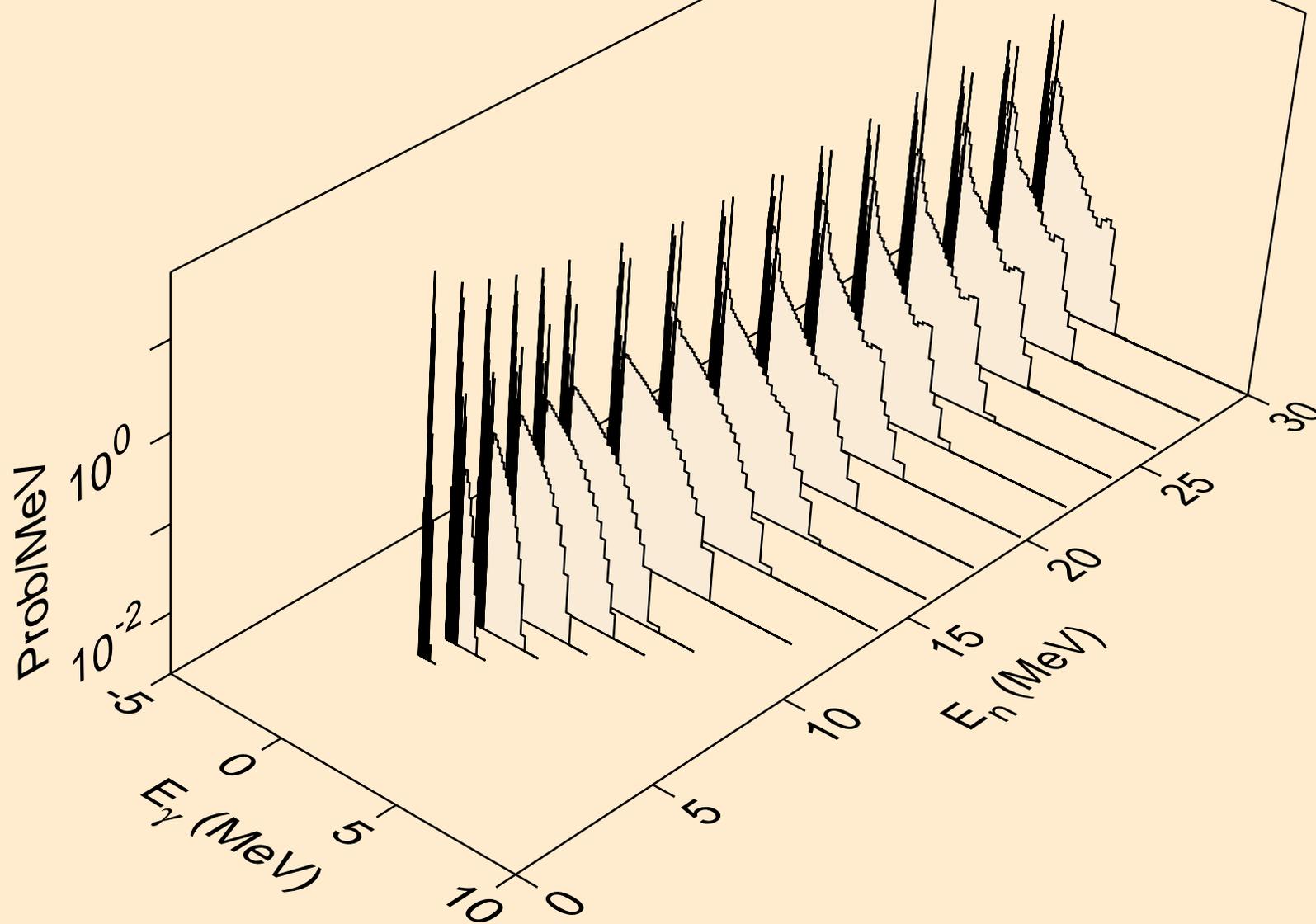Photon emission for (z,n)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
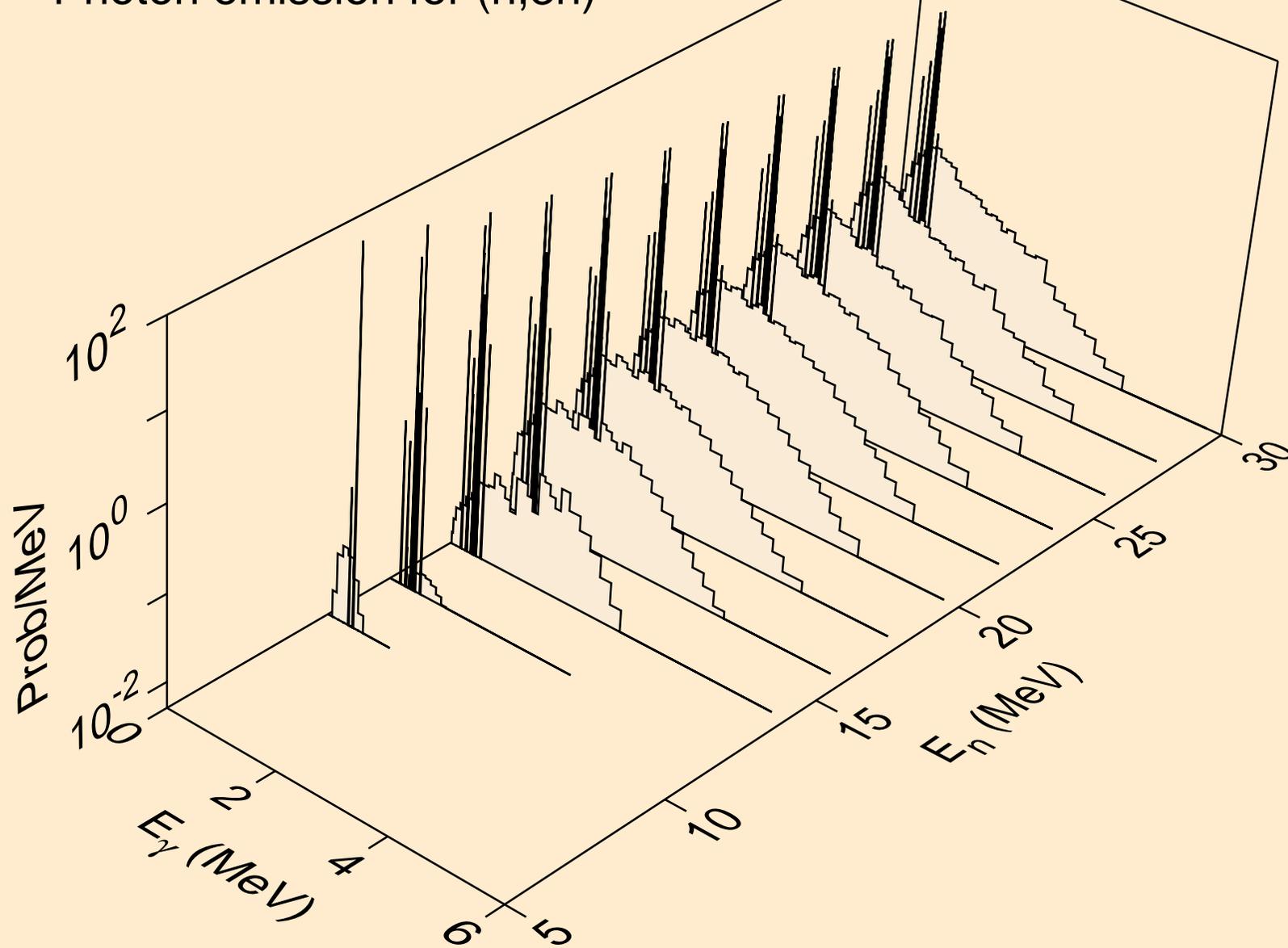Photon emission for (n,x)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
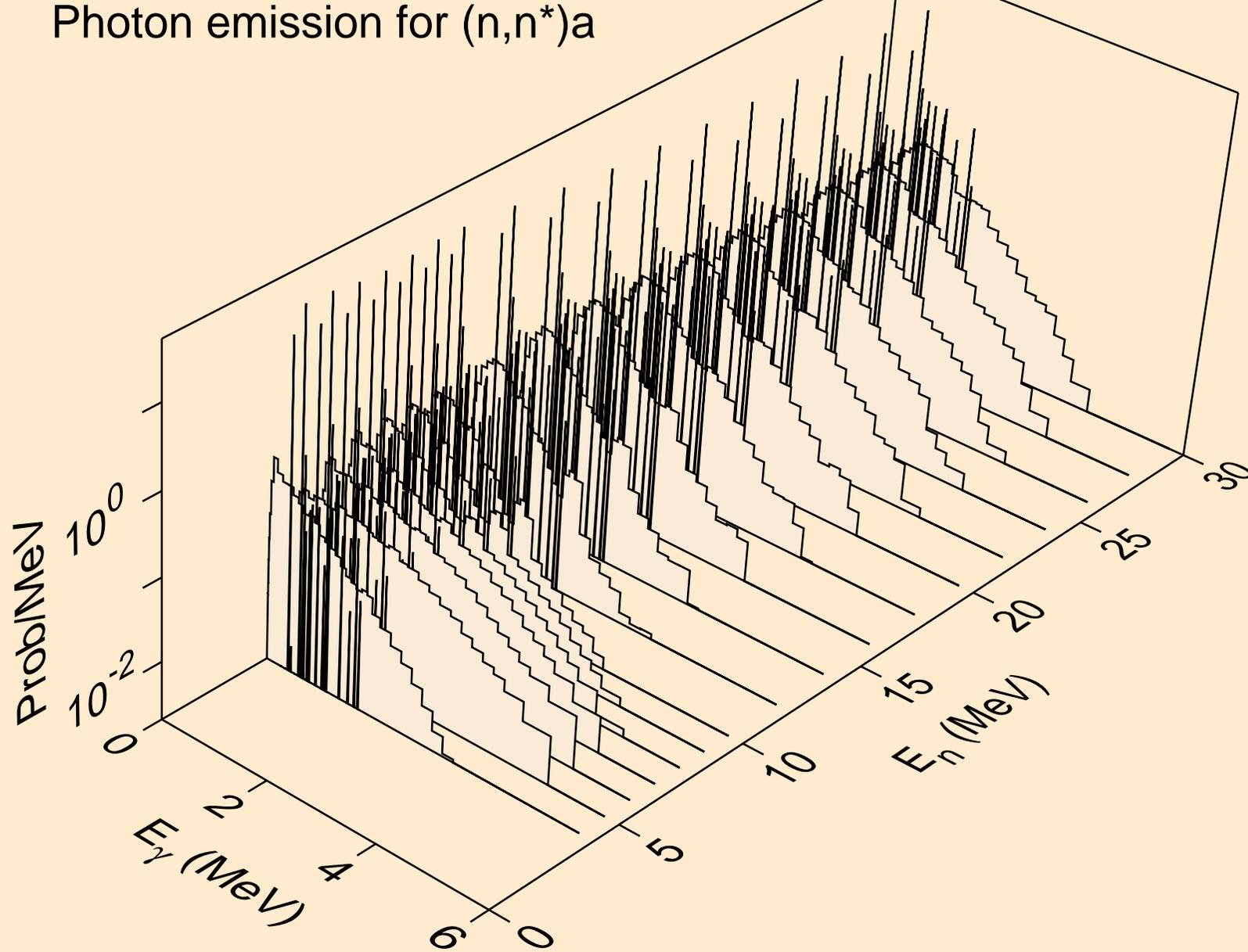Photon emission for (n,2nd)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
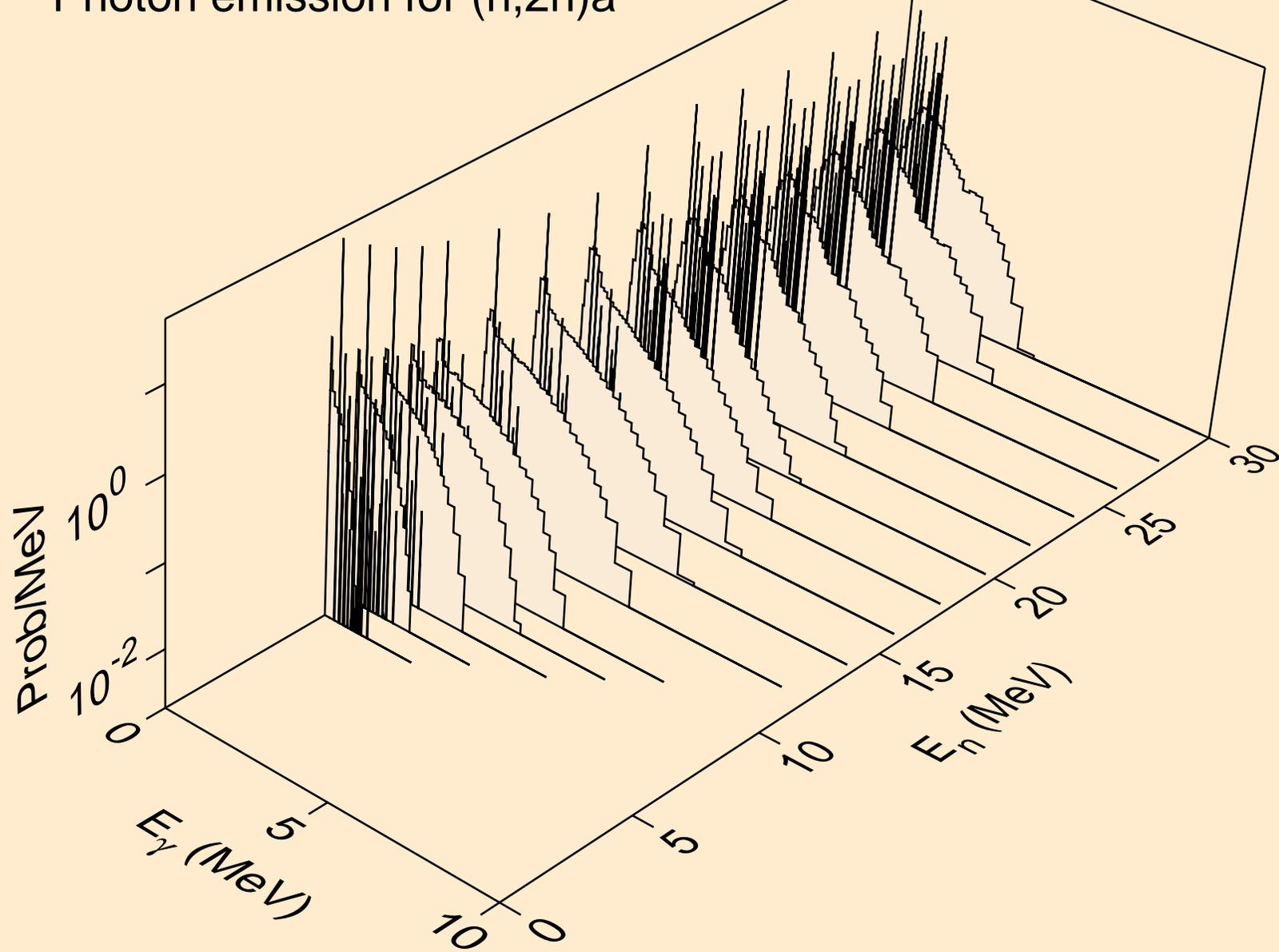Photon emission for (n,2n)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
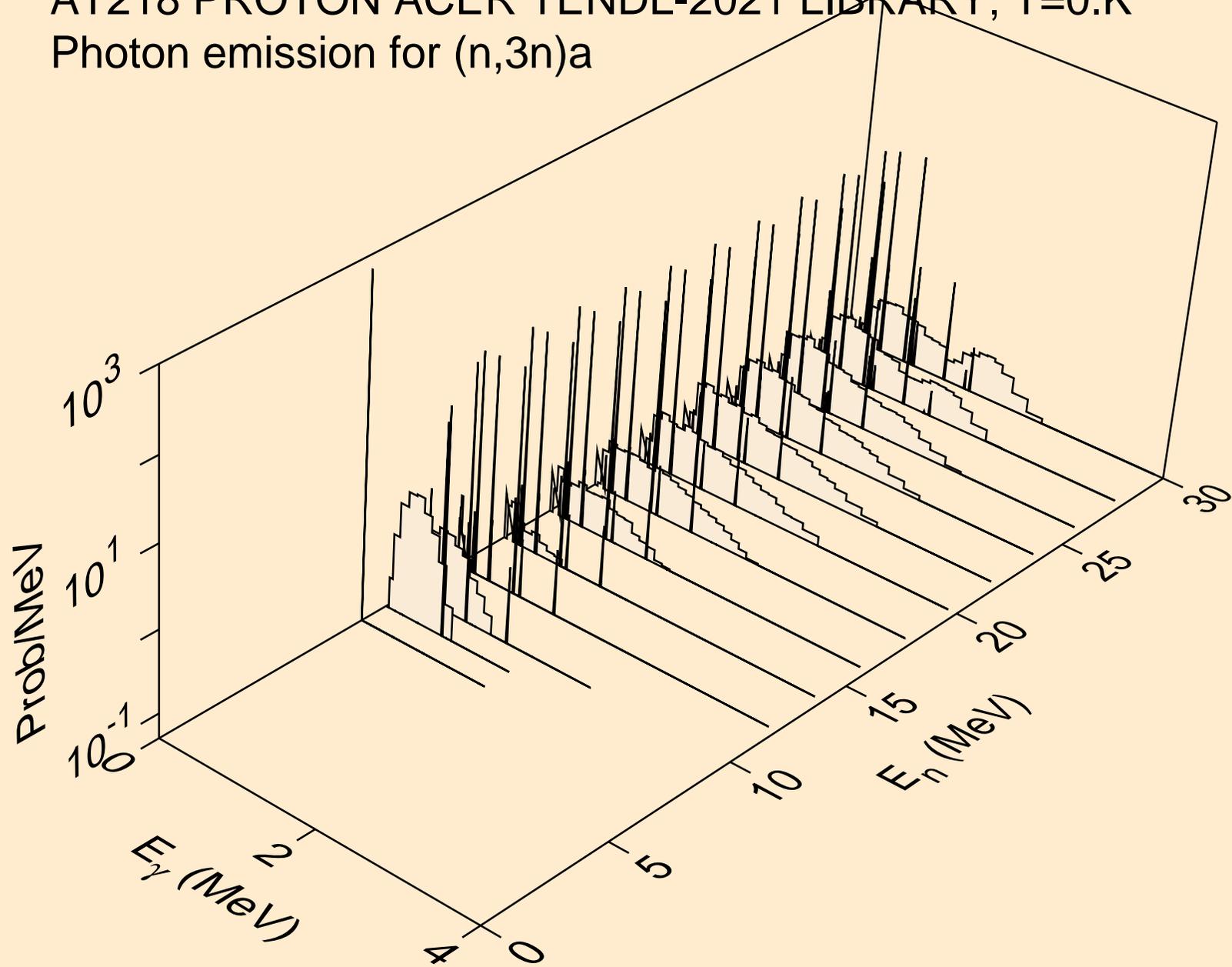Photon emission for (n,3n)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
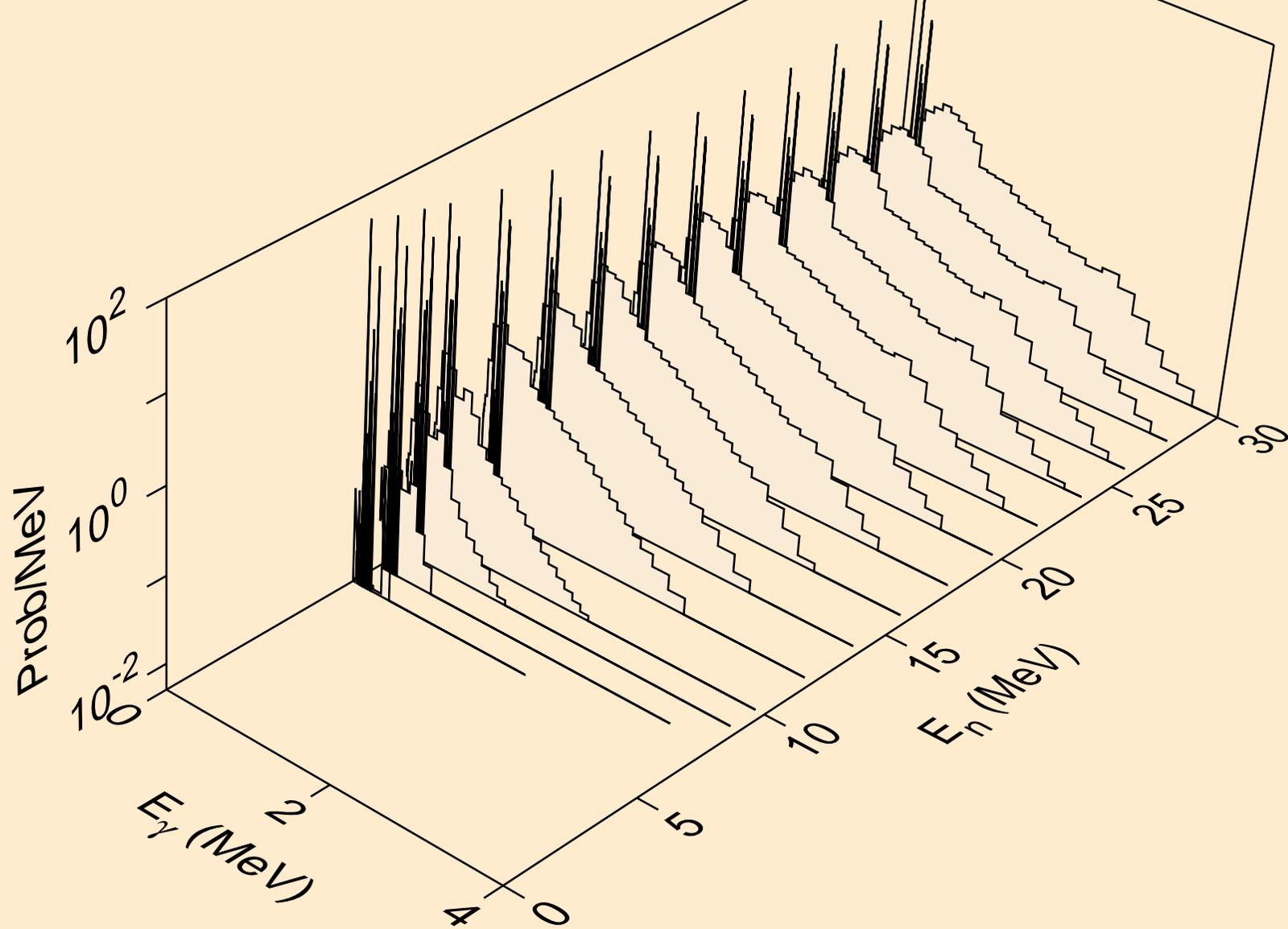Photon emission for (n,n*)a

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
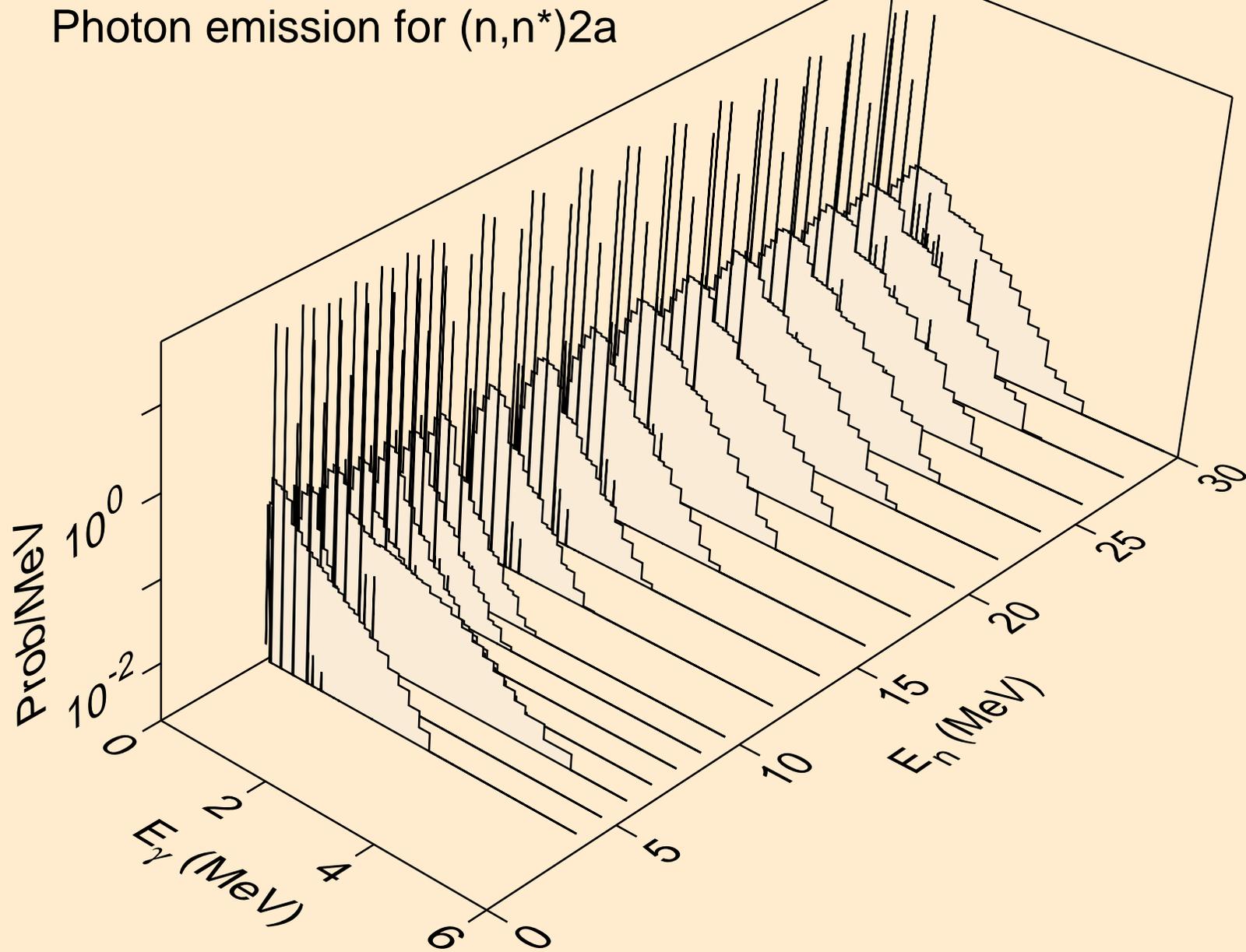Photon emission for (n,2n)a

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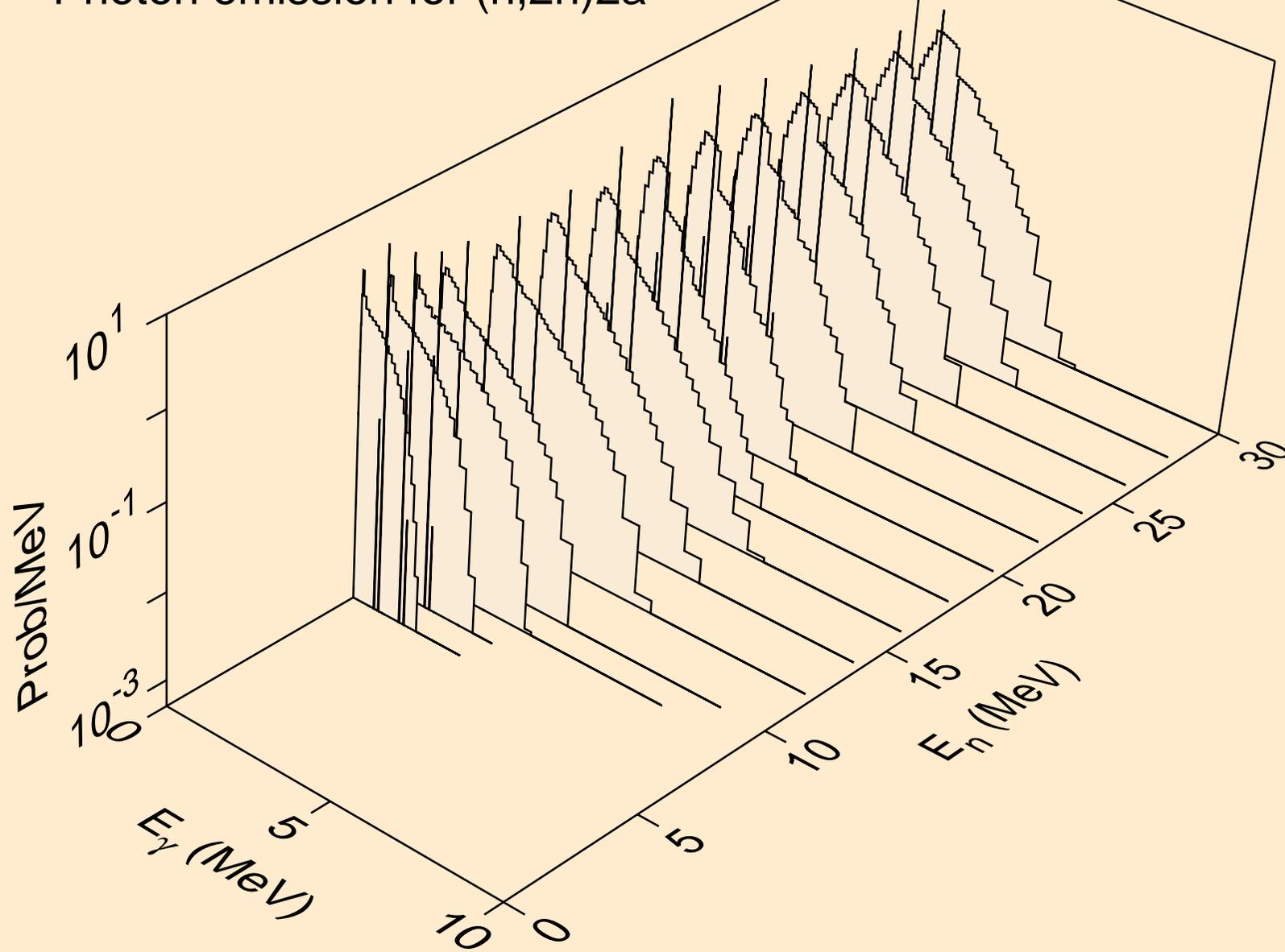Photon emission for (n,3n)a

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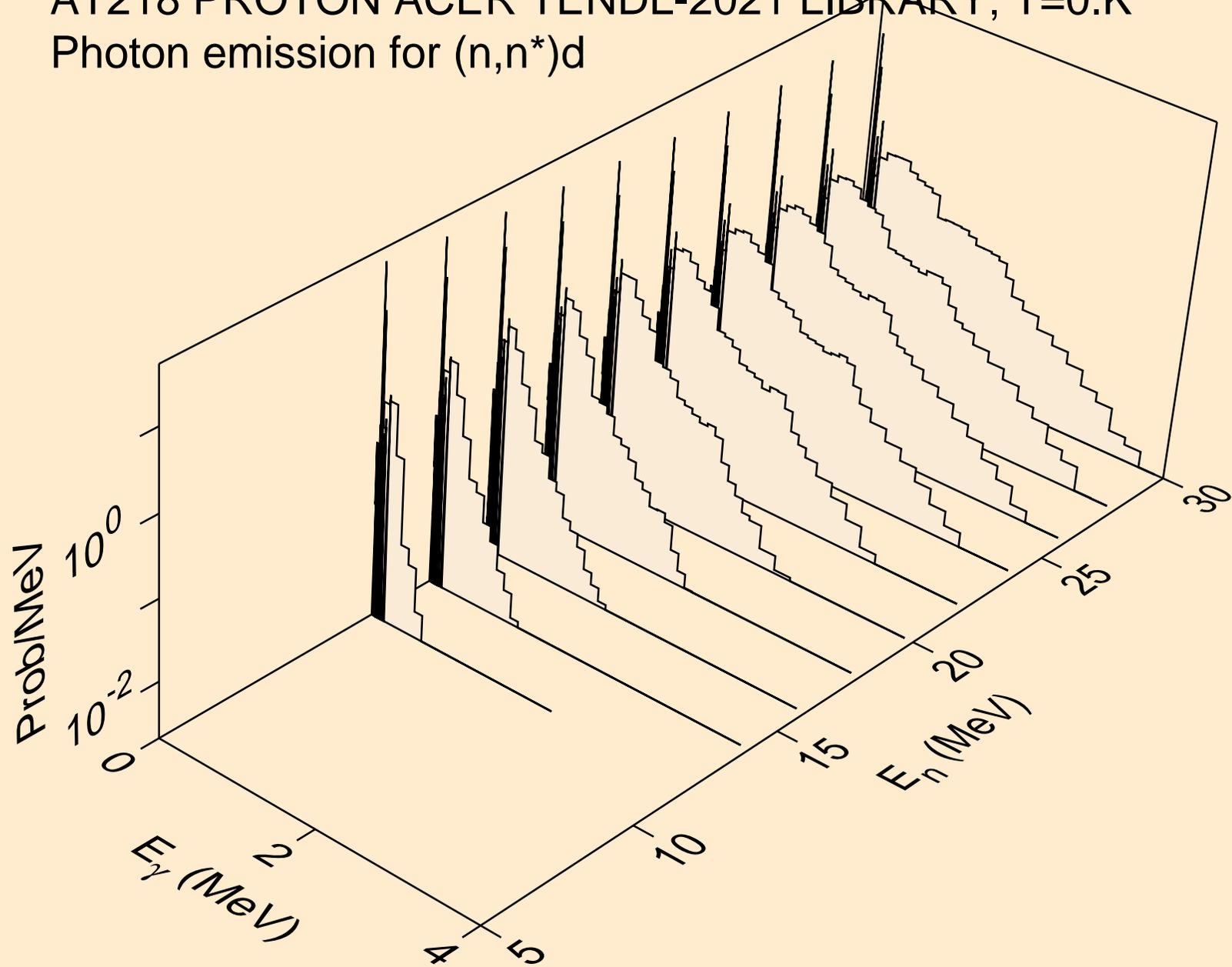Photon emission for (n,n*)p

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
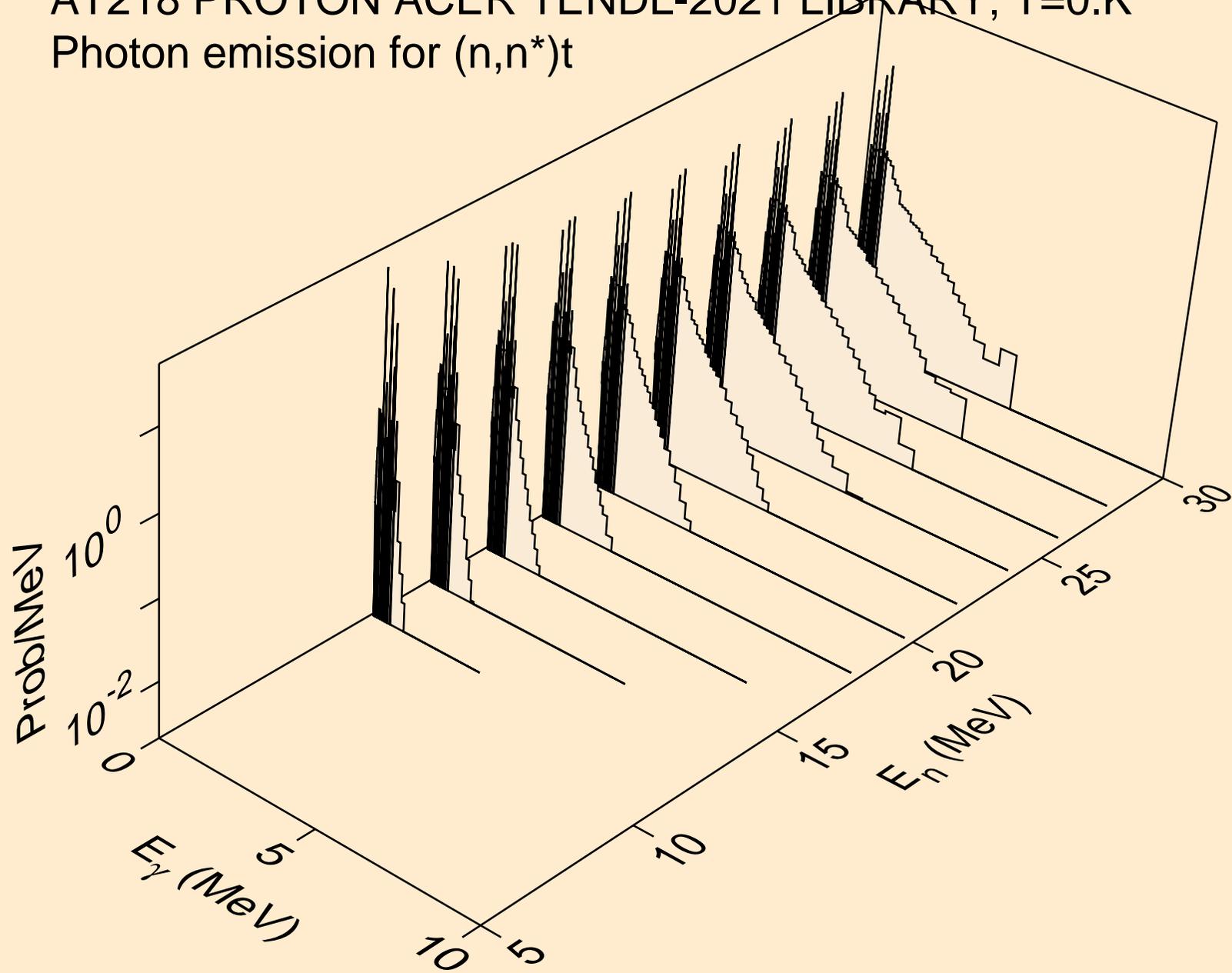Photon emission for (n,n*)2a

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
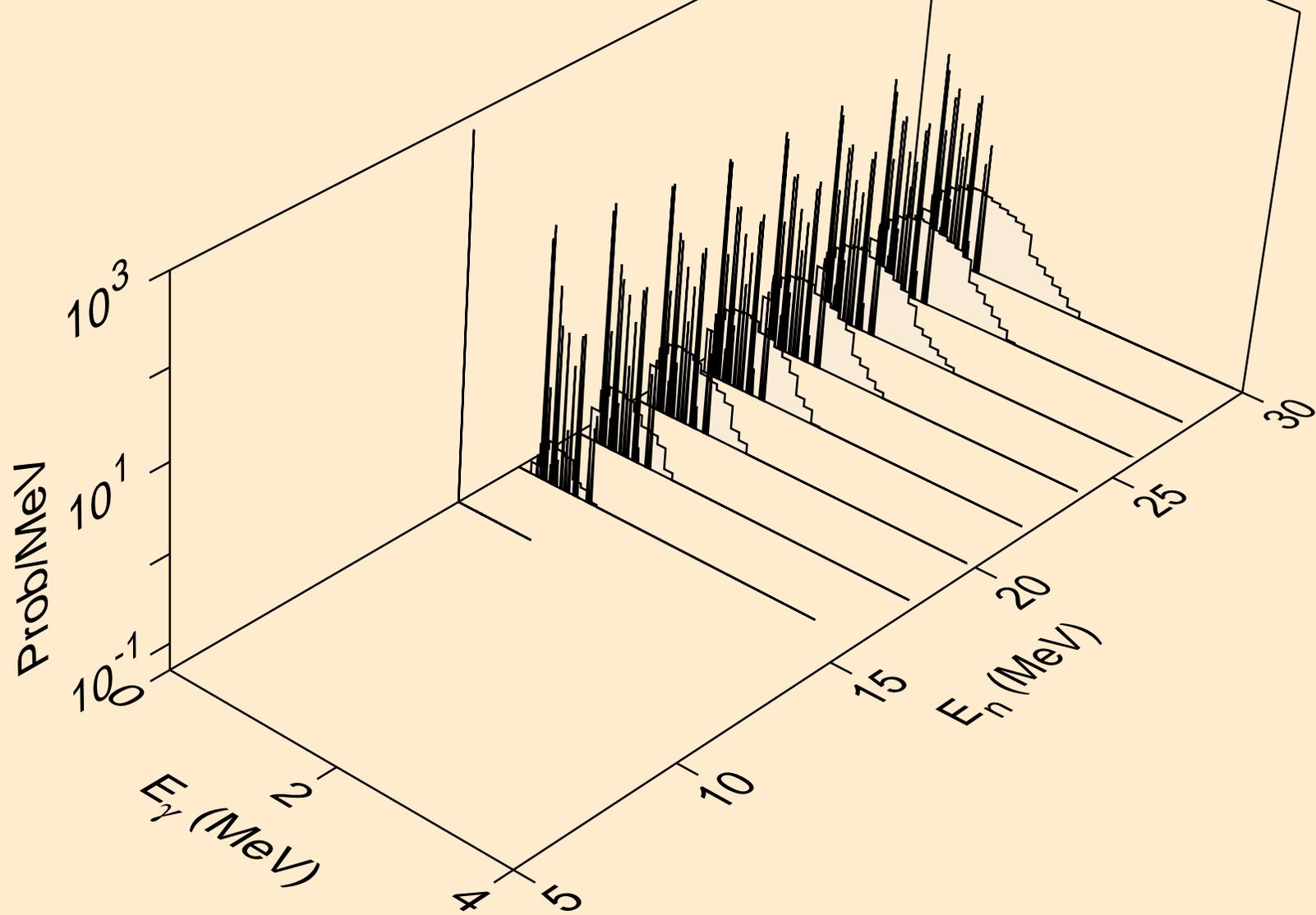Photon emission for (n,2n)2a

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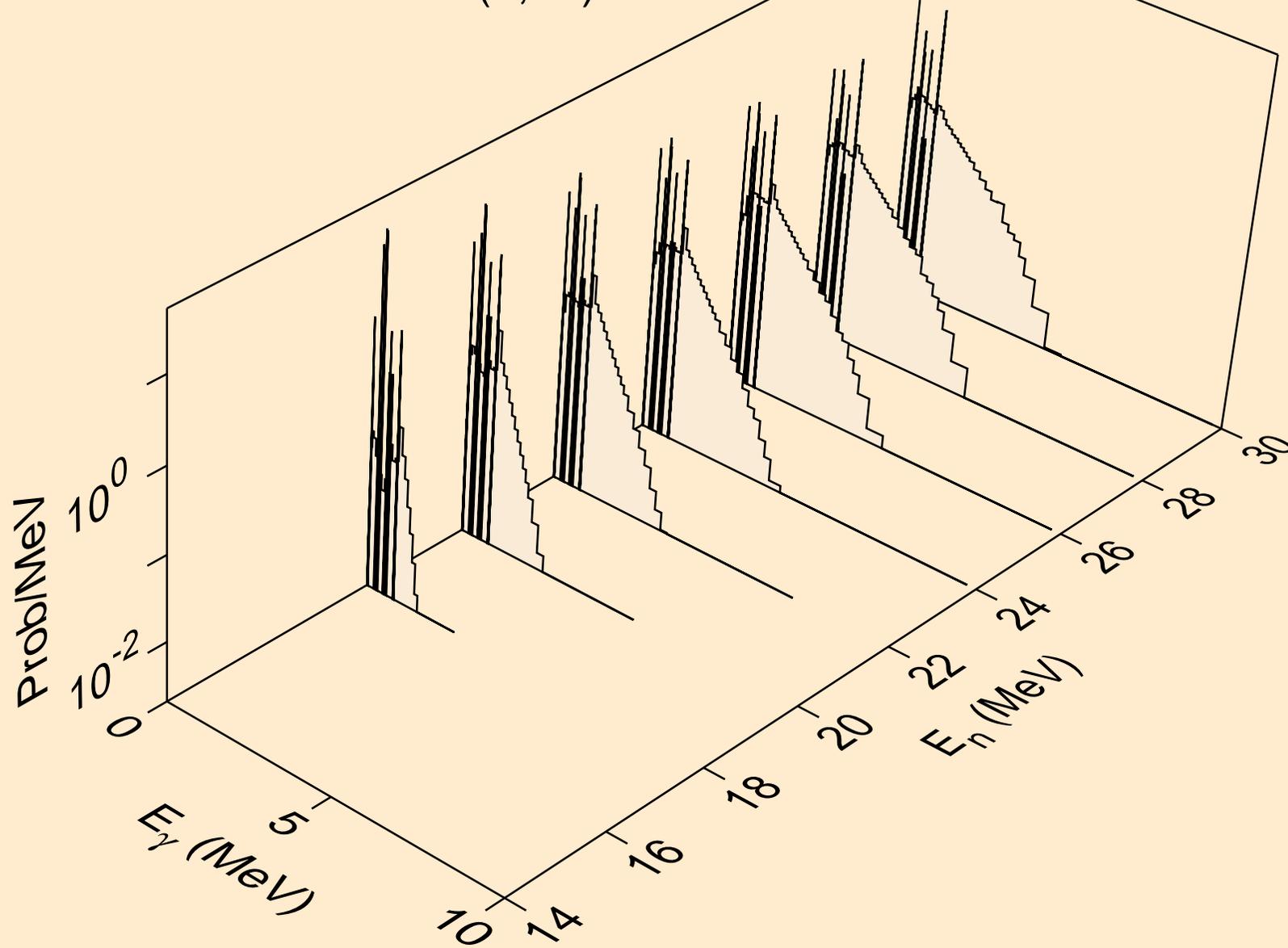Photon emission for (n,n*)d

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
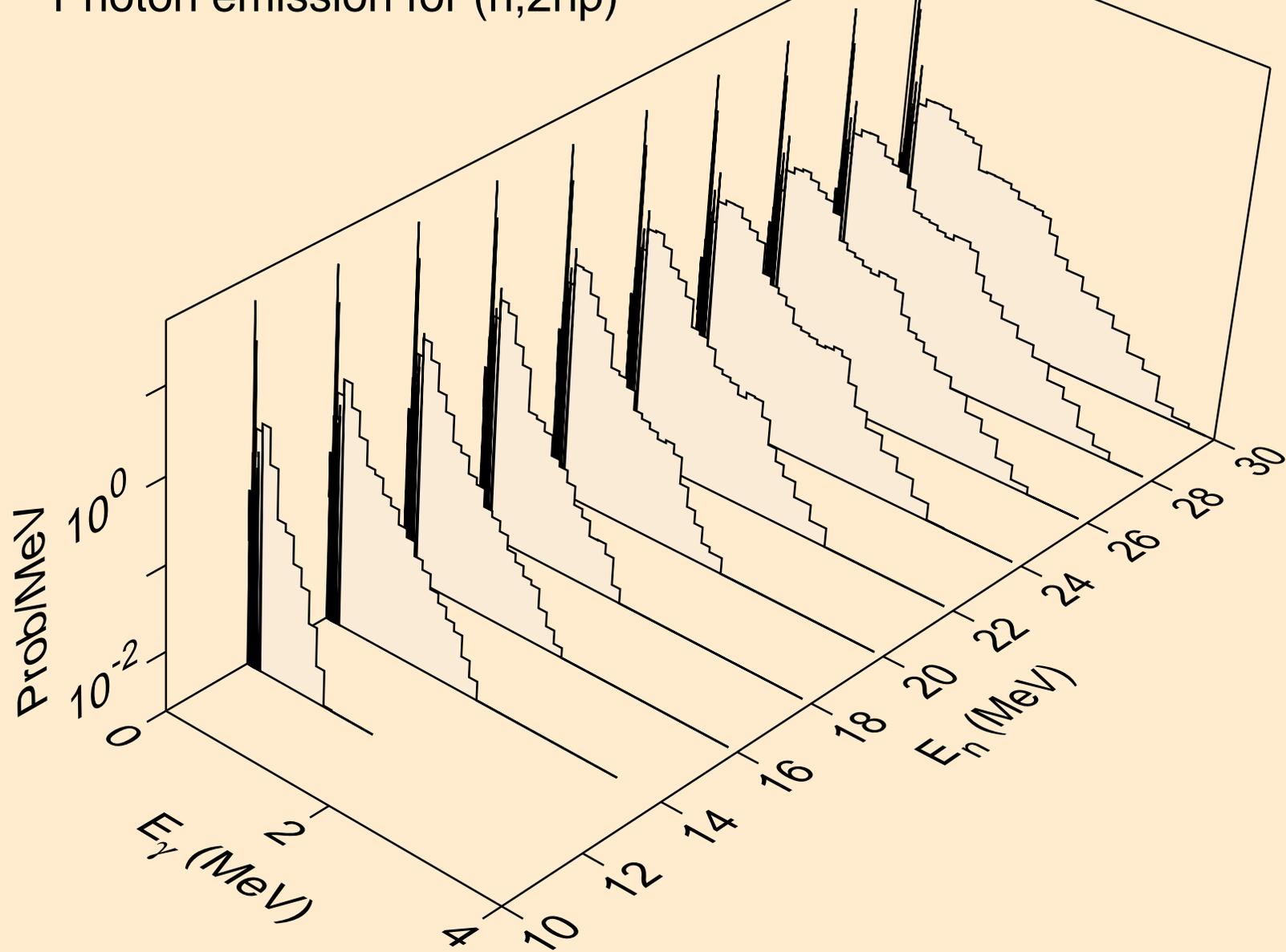Photon emission for (n,n*)t

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
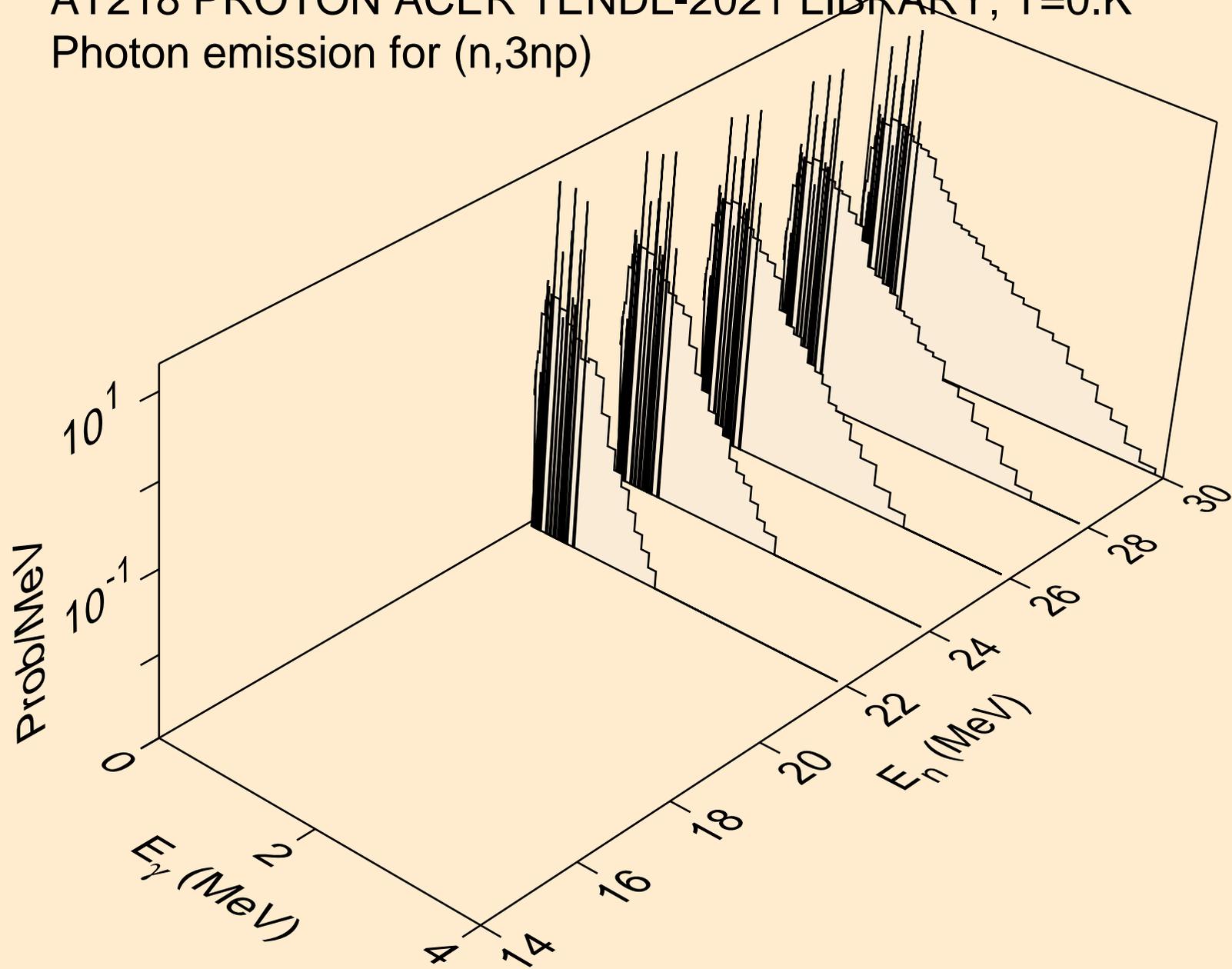Photon emission for (n,n*)he3

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
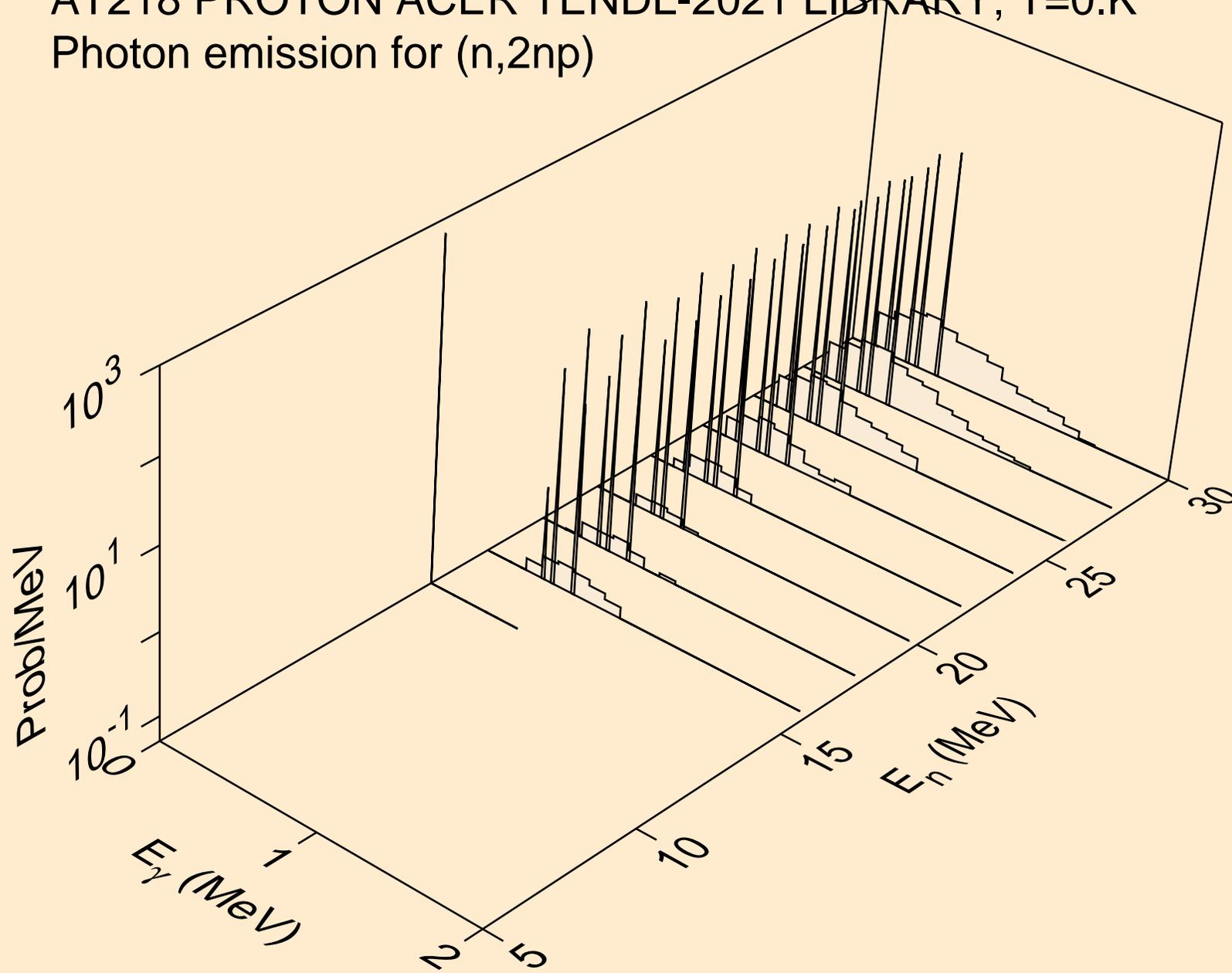Photon emission for (n,4n)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
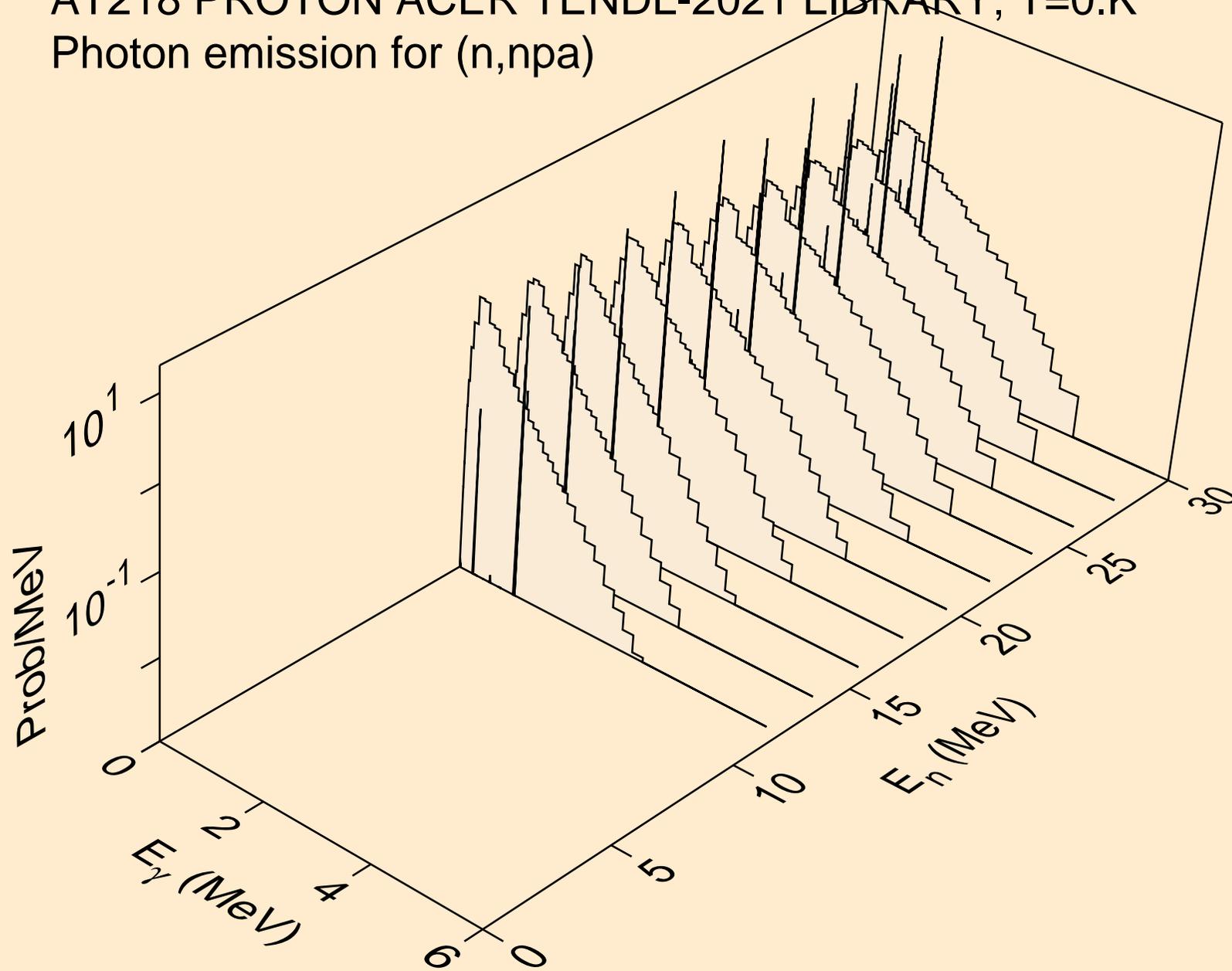Photon emission for (n,2np)

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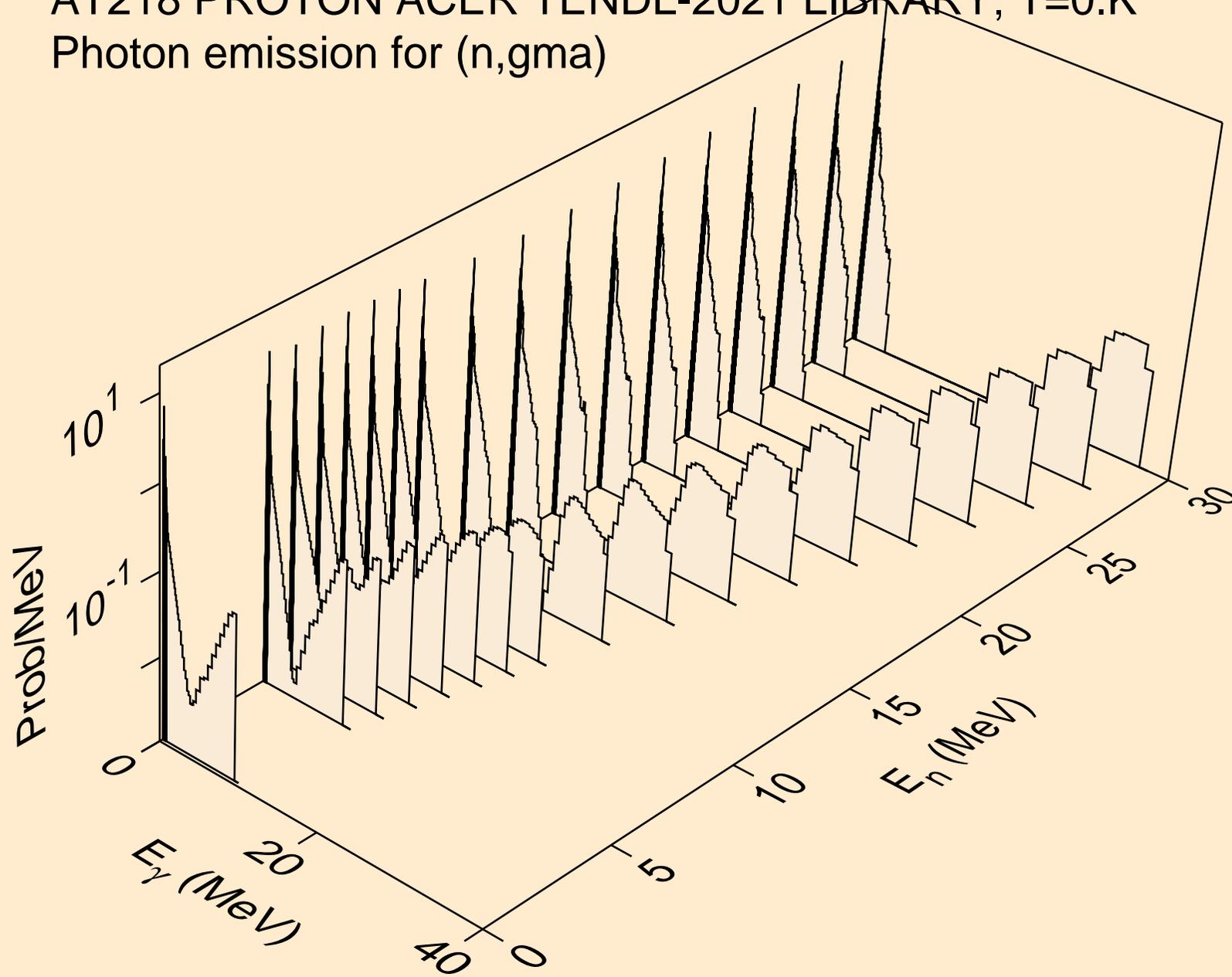Photon emission for (n,3np)

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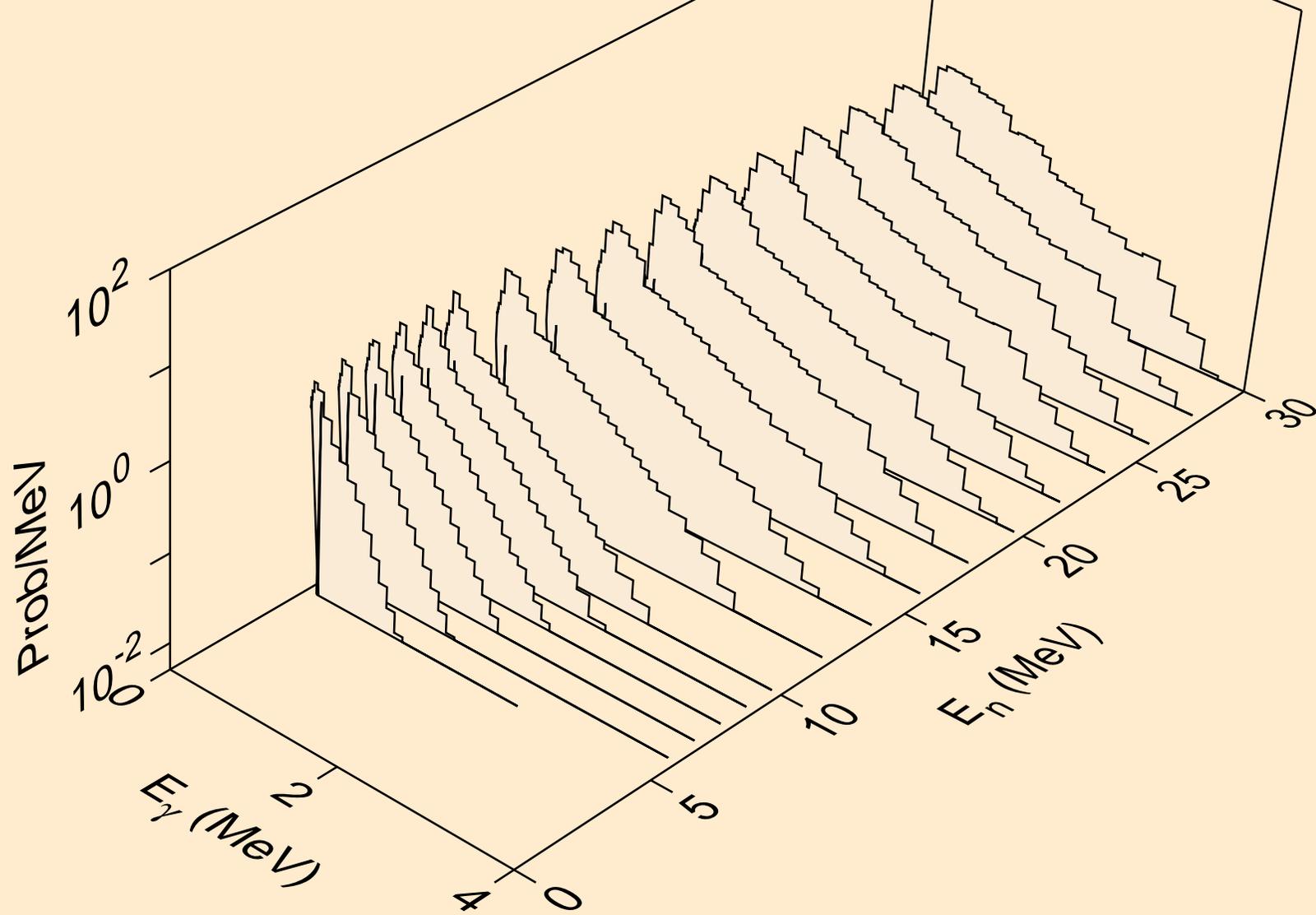Photon emission for (n,2np)

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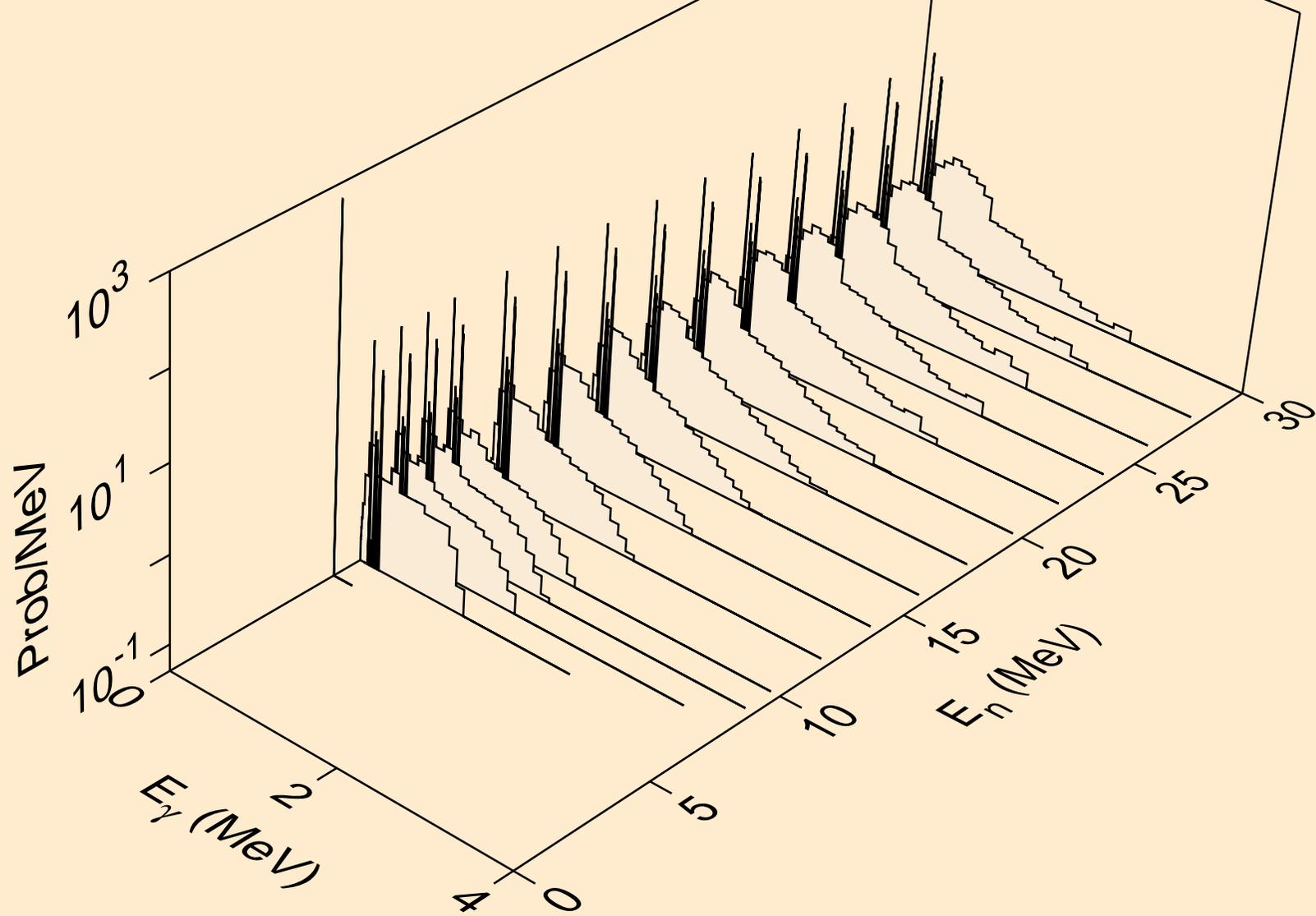Photon emission for (n,npa)

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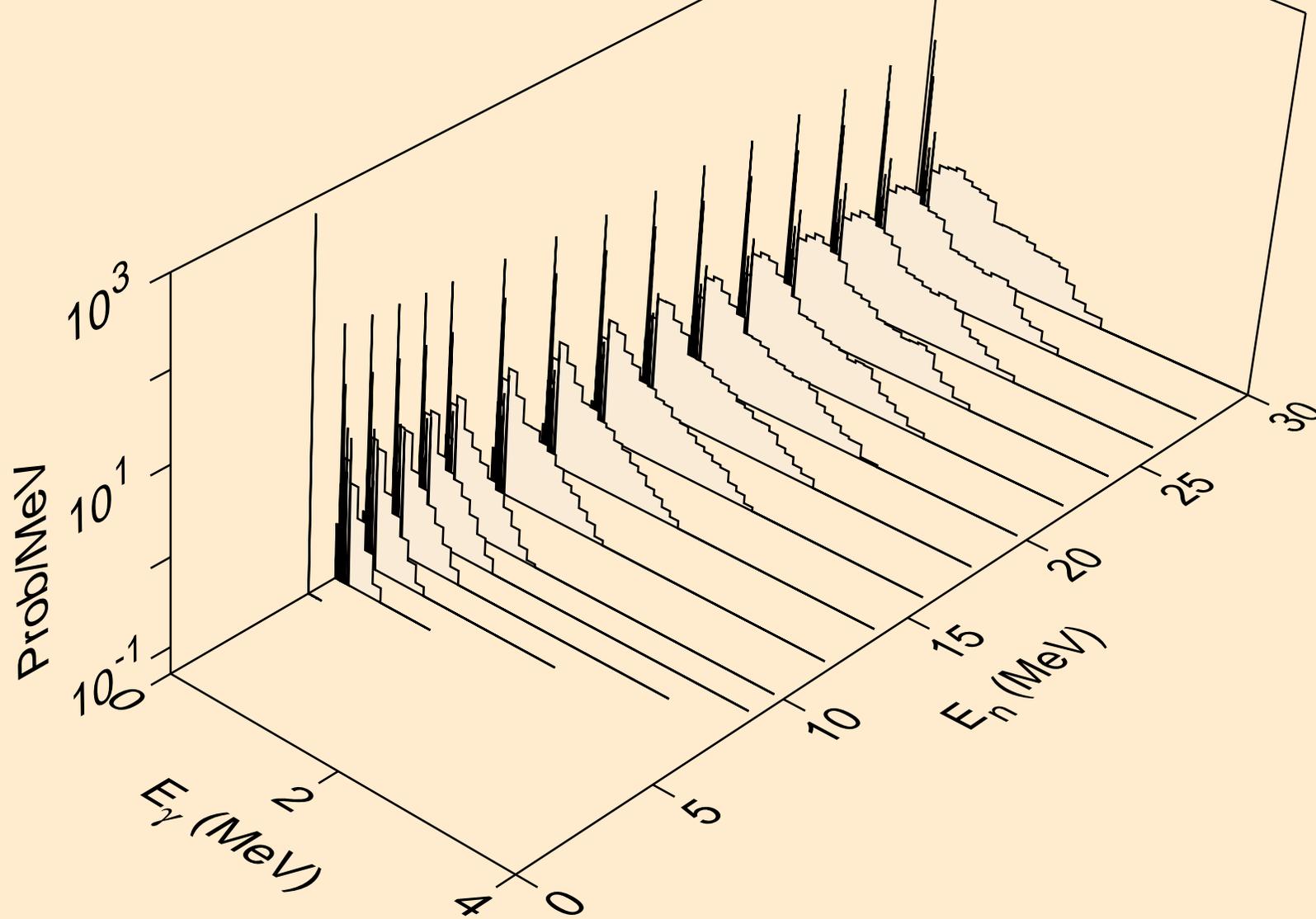Photon emission for (n,gma)

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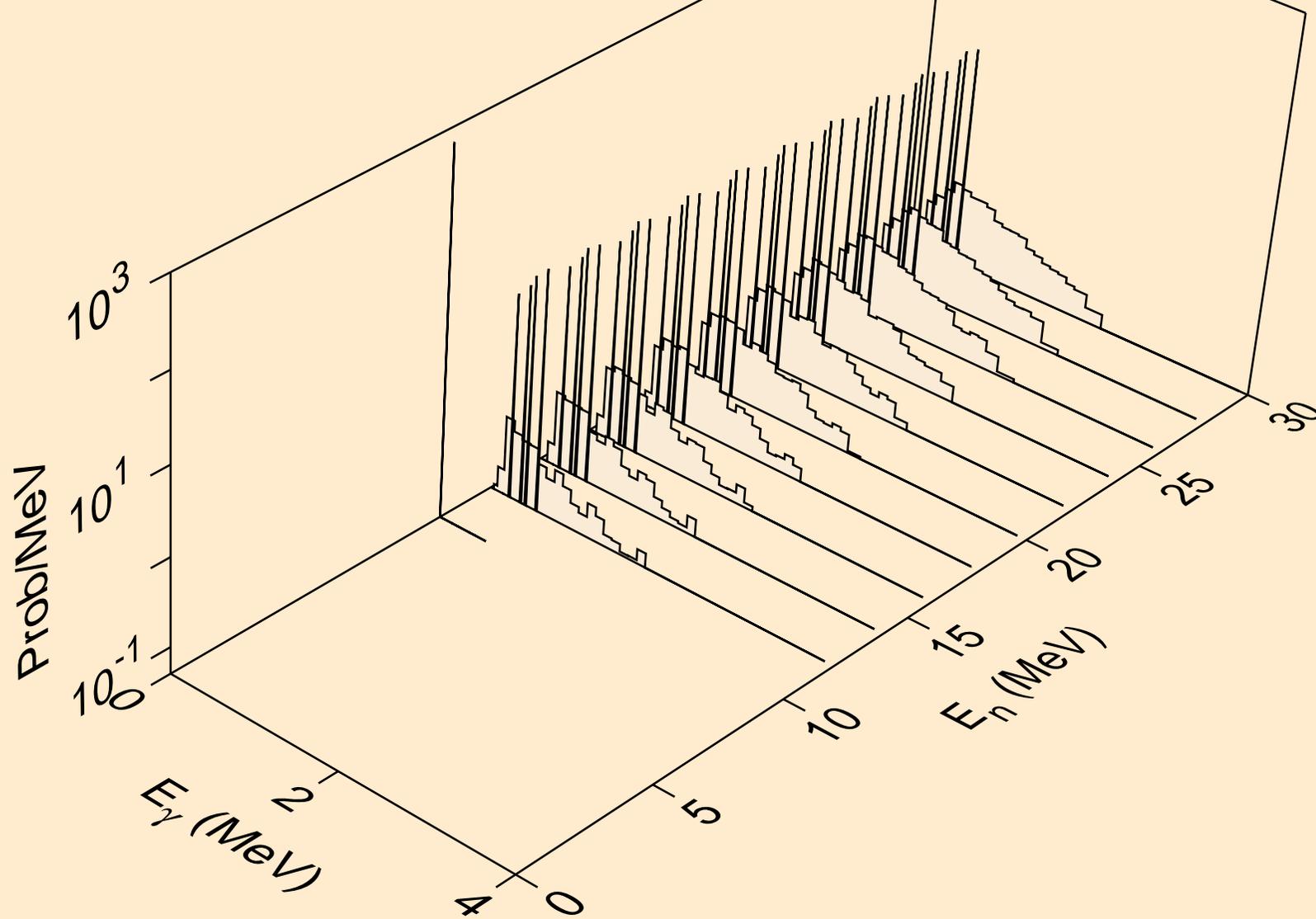Photon emission for inelastic

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
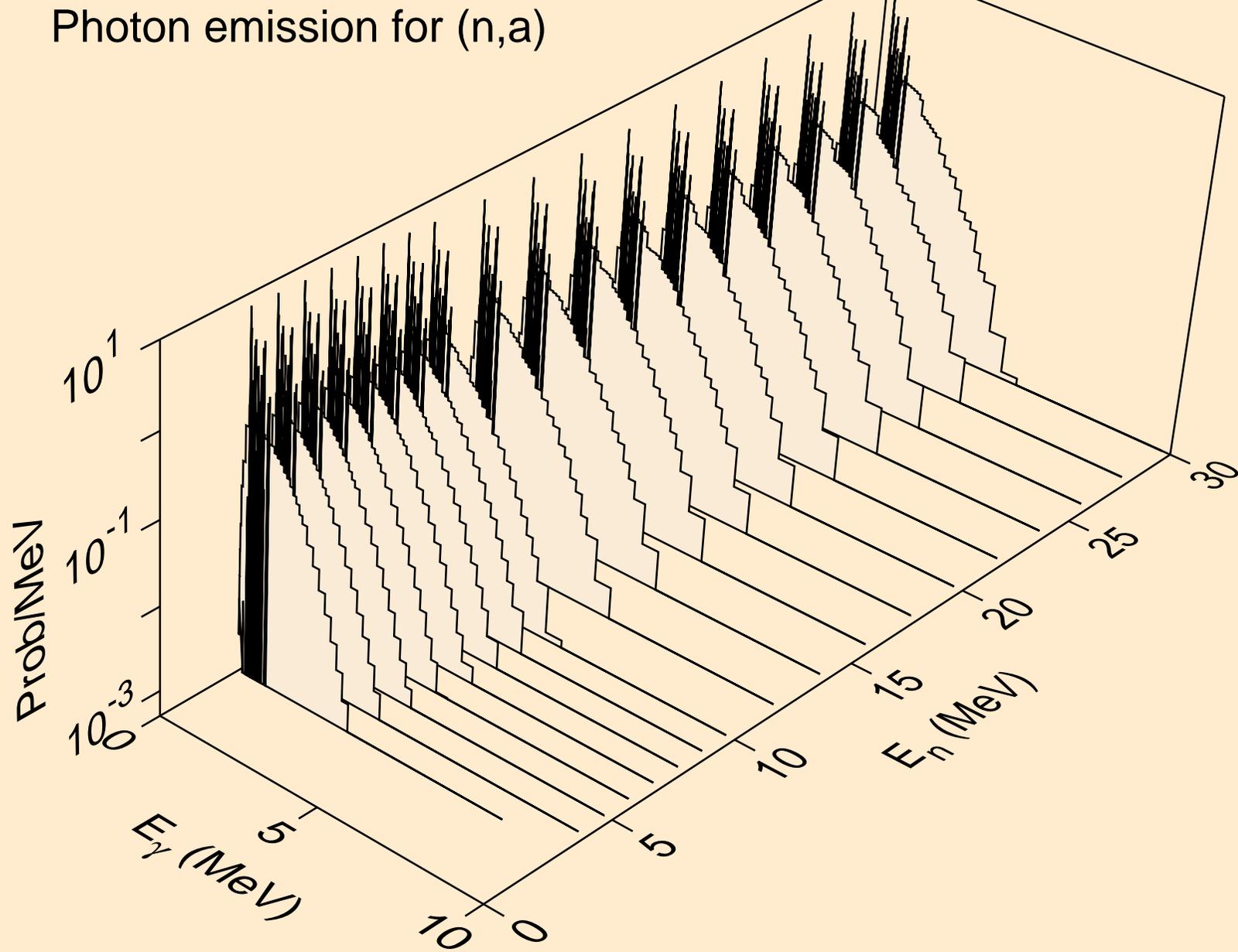Photon emission for (n,d)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
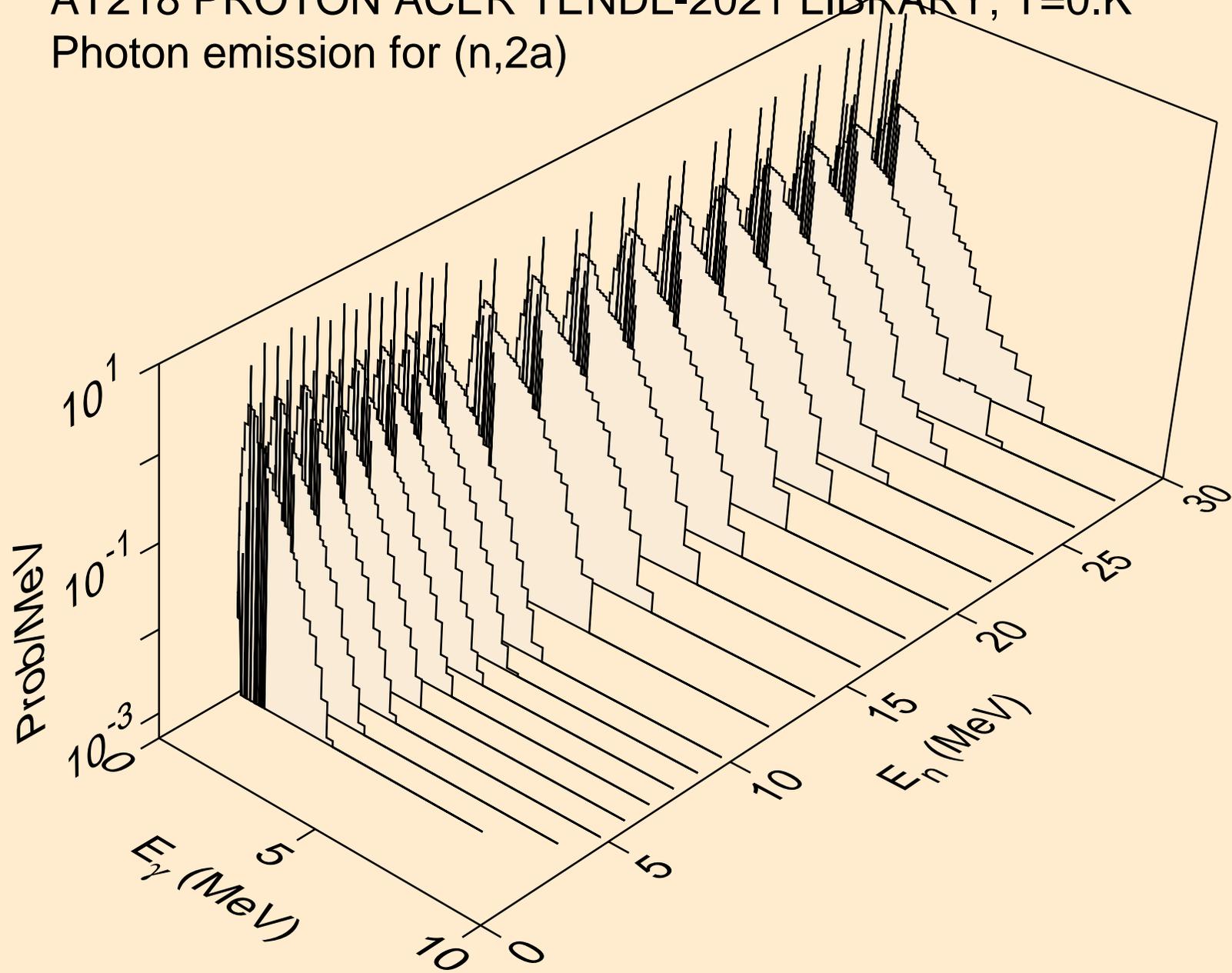Photon emission for (n,t)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
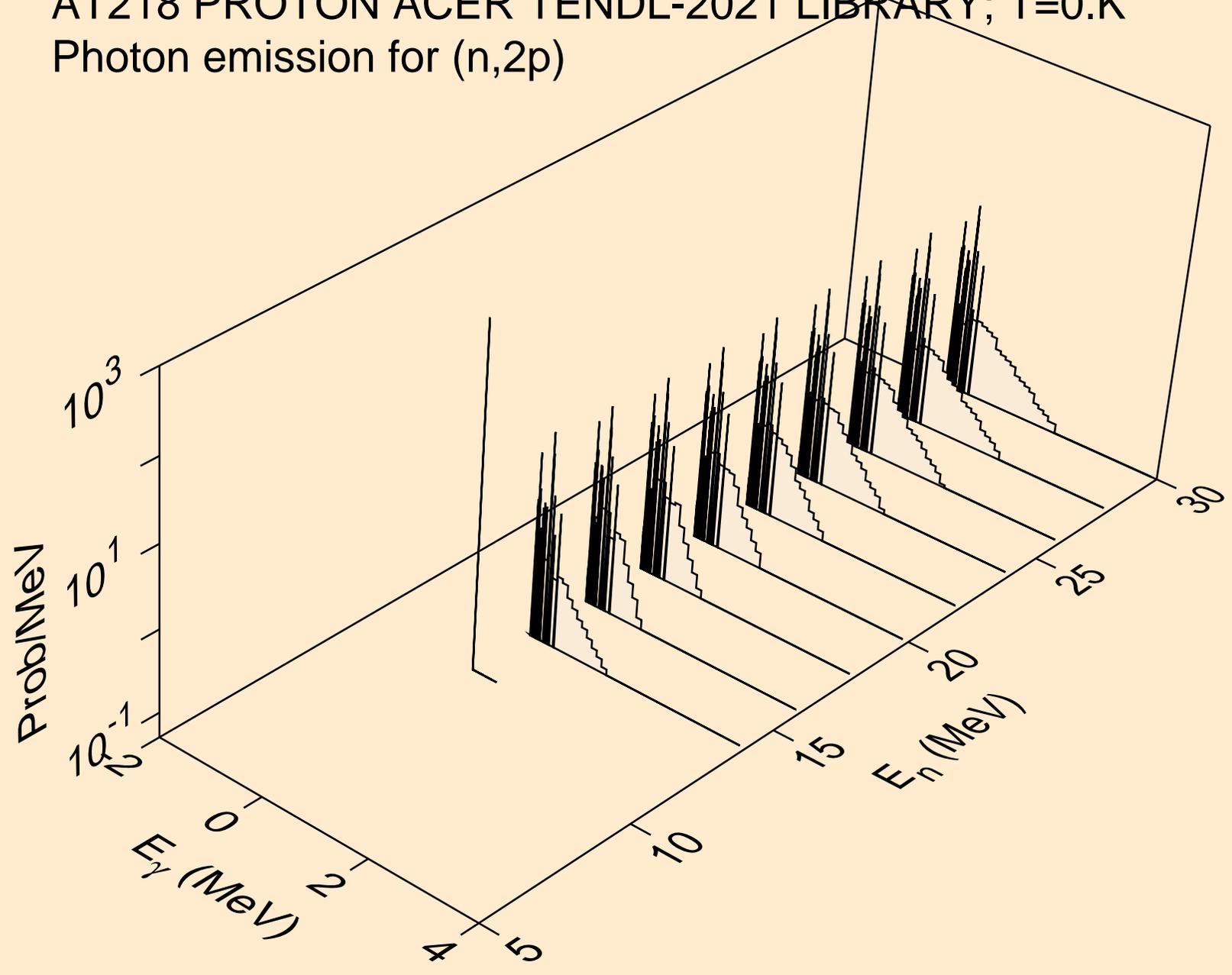
Photon emission for (n,he3)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
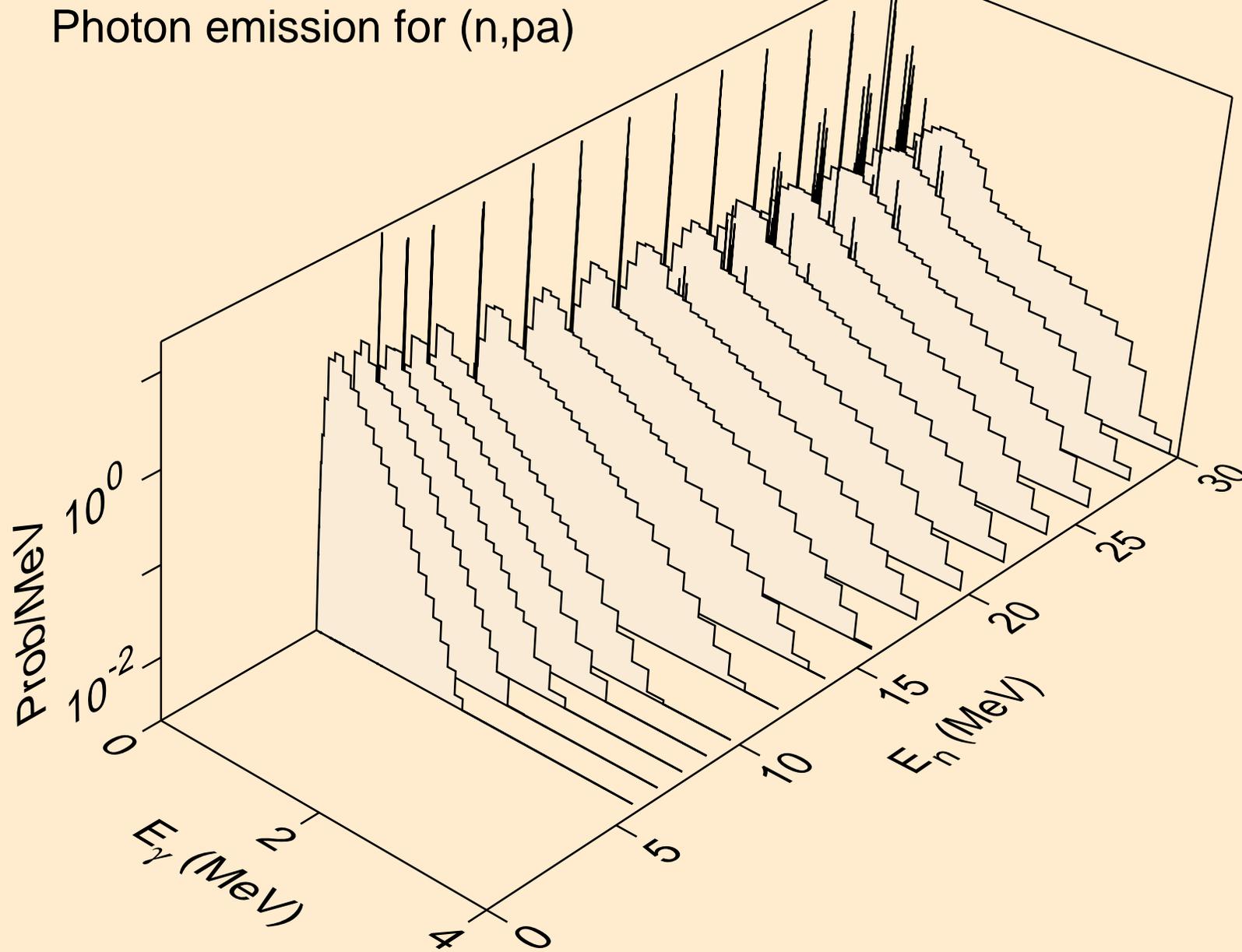Photon emission for (n,a)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
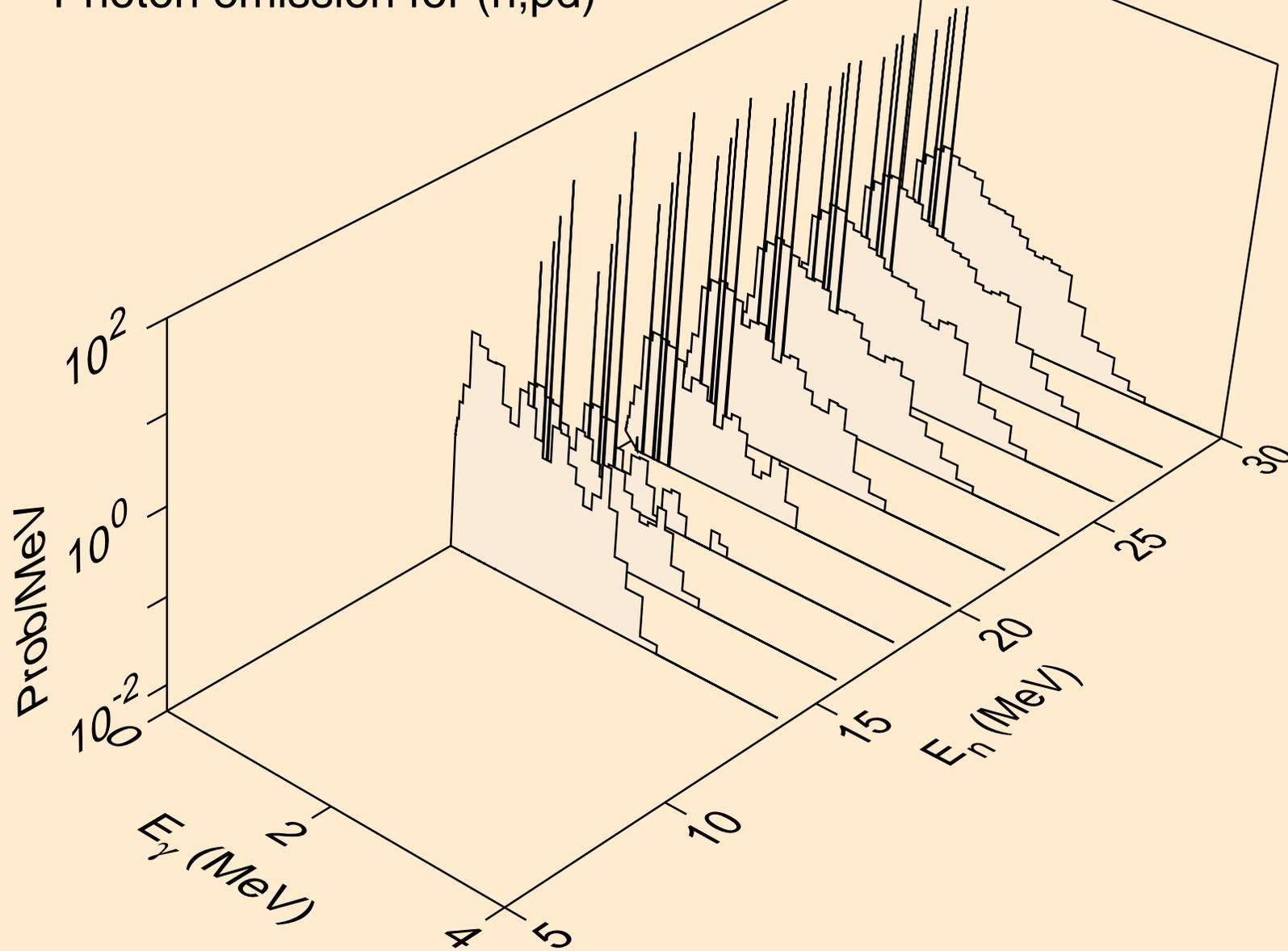Photon emission for (n,2a)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
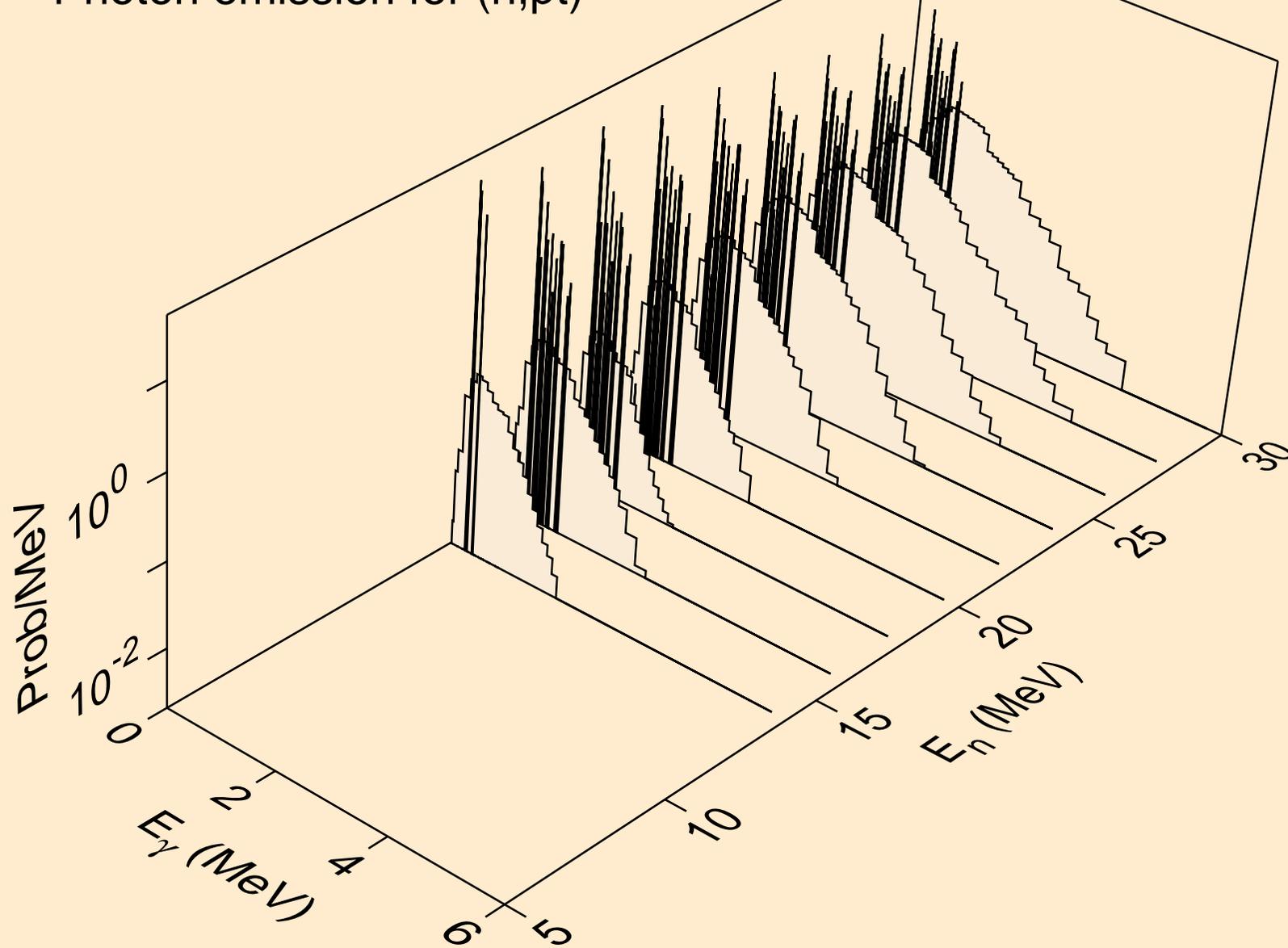Photon emission for (n,2p)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
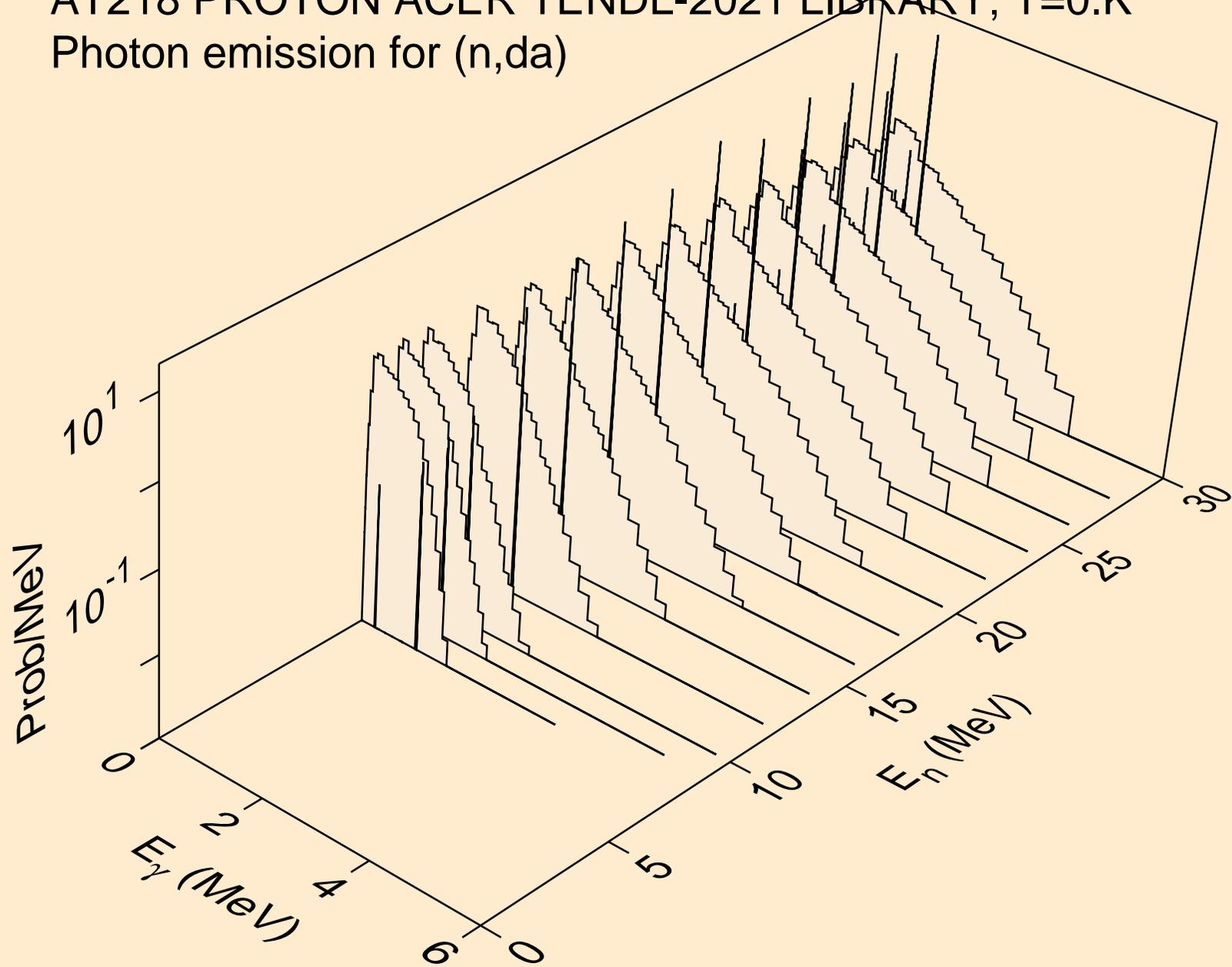Photon emission for (n,pa)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
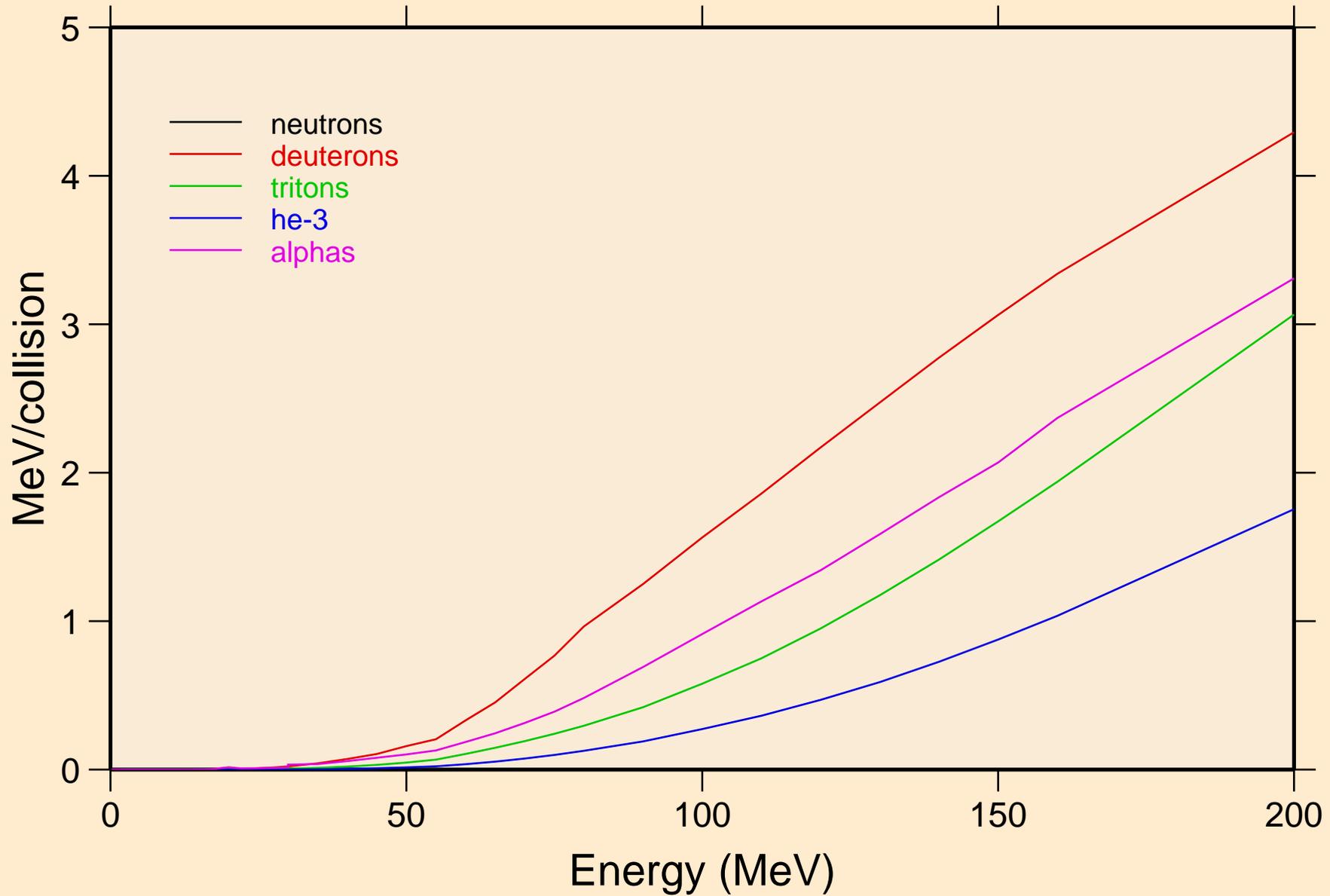Photon emission for (n,pd)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,pt)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
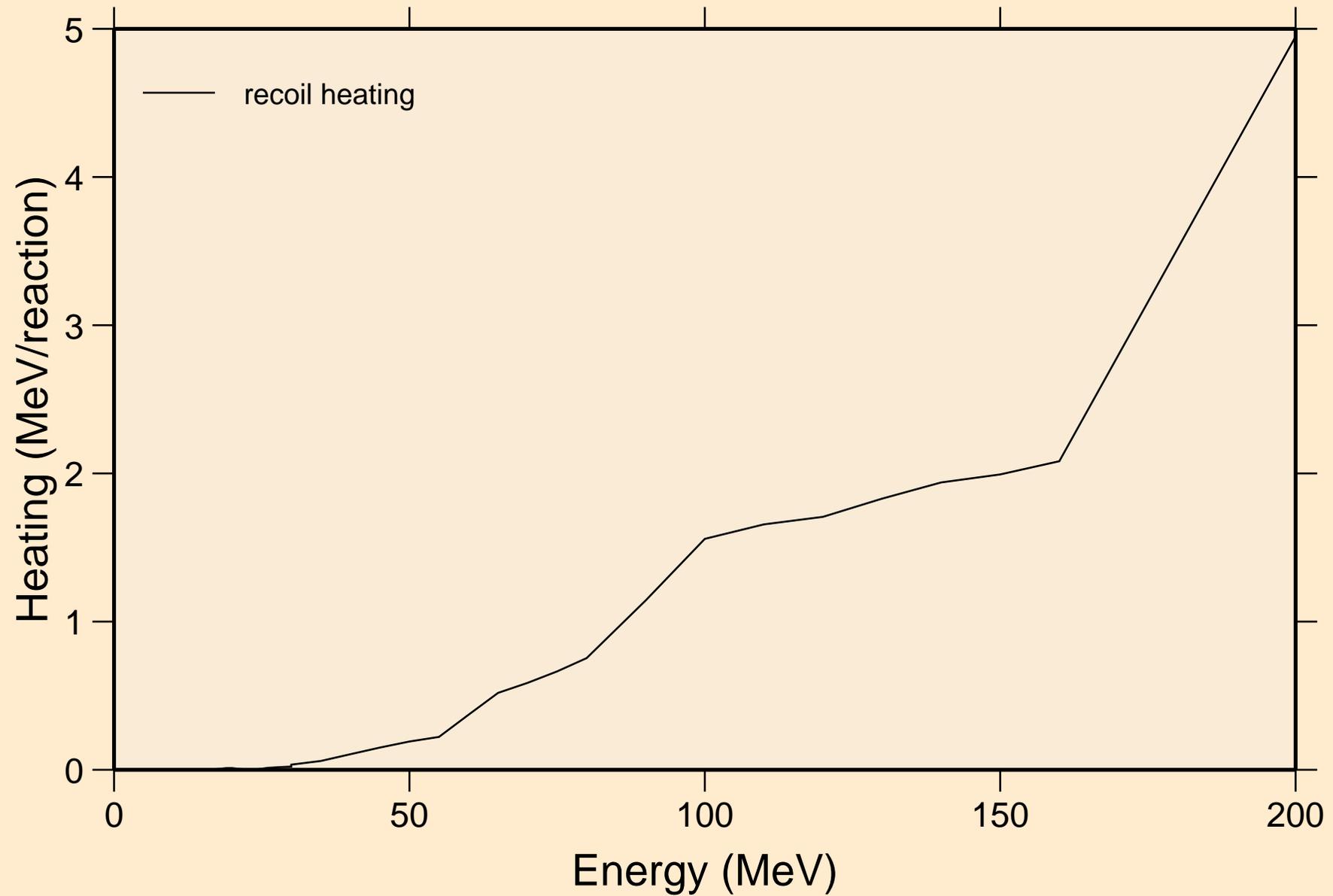Photon emission for (n,da)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions
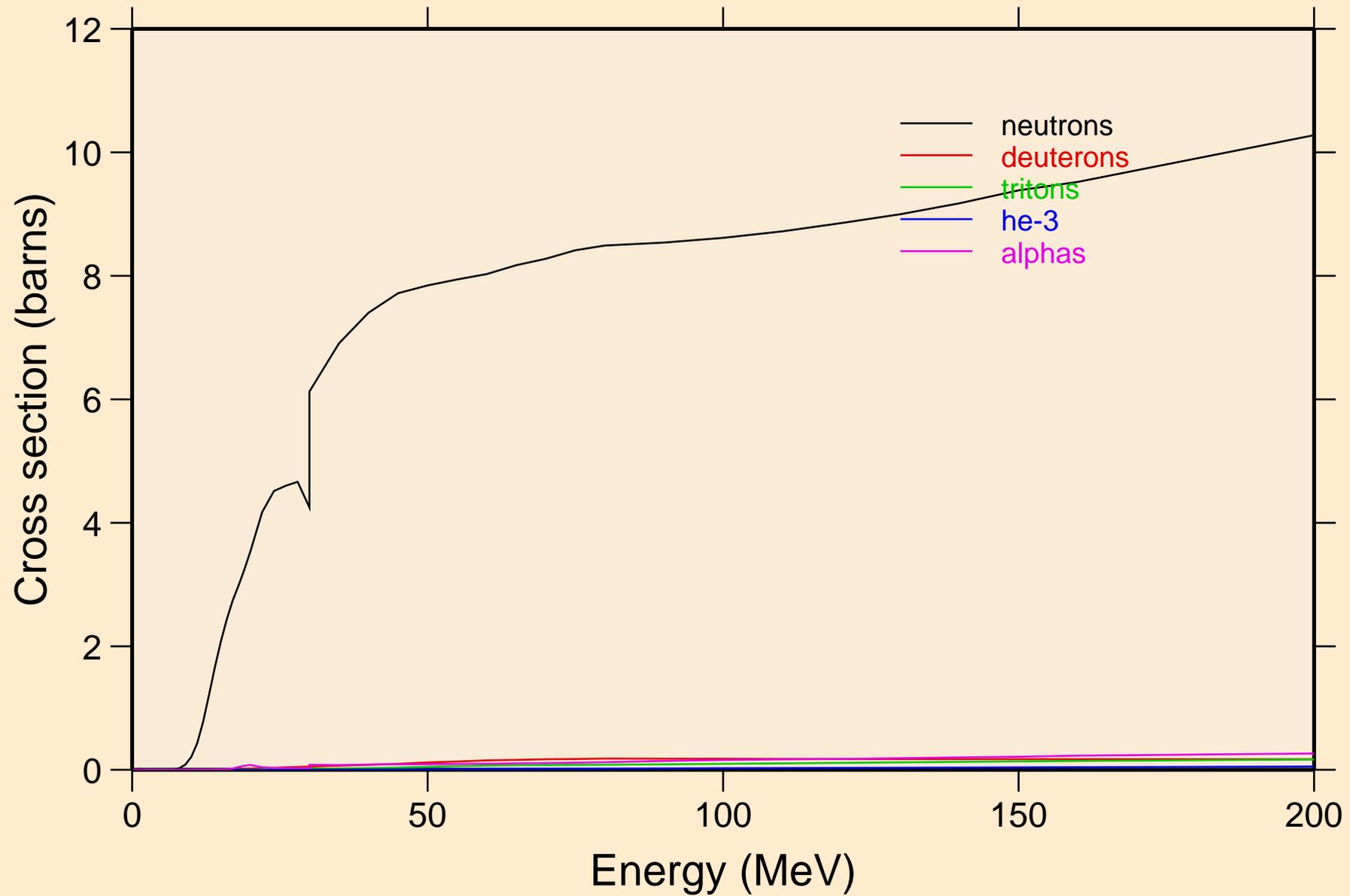
neutrons
deuterons
tritons
he-3
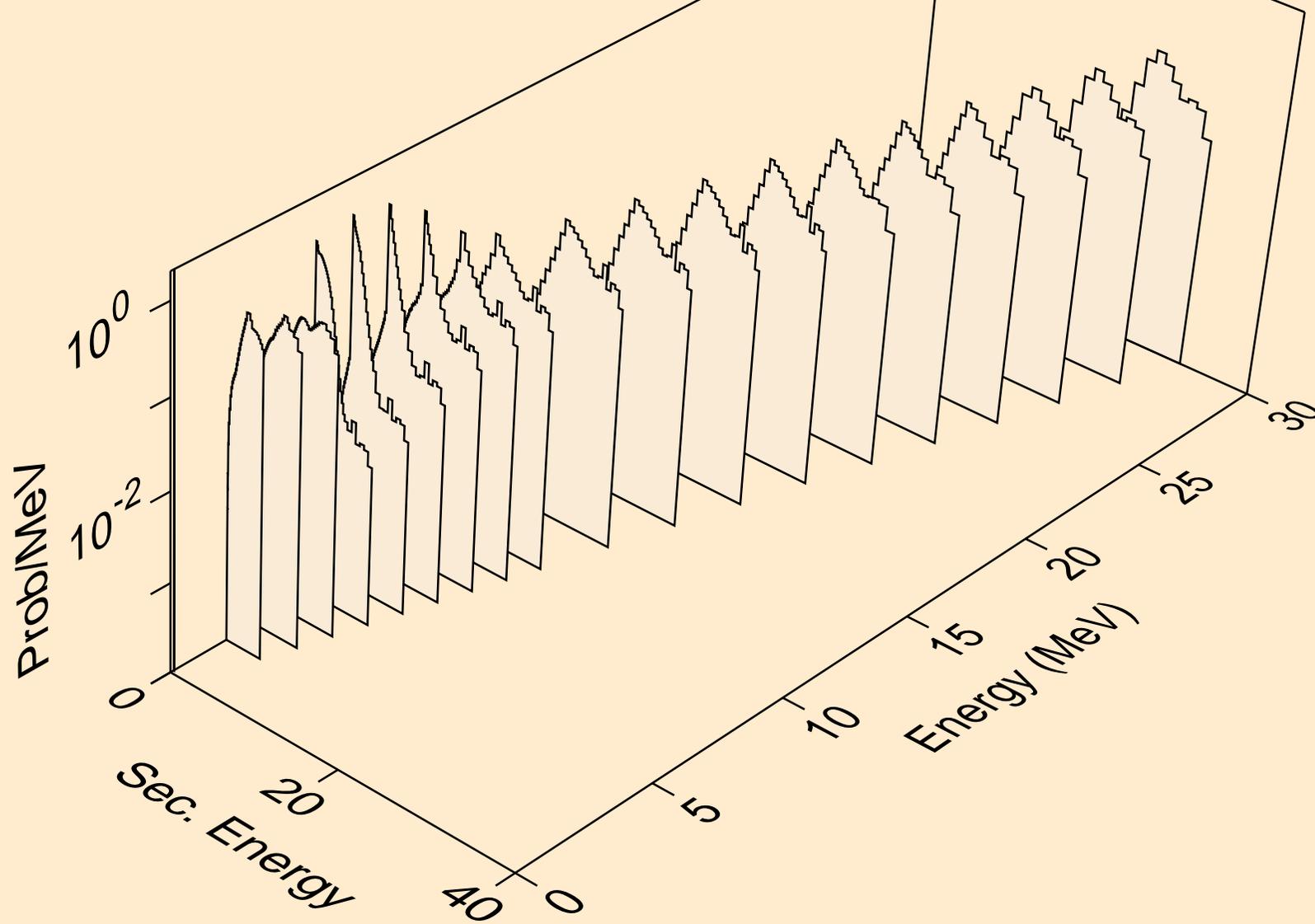alphas

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
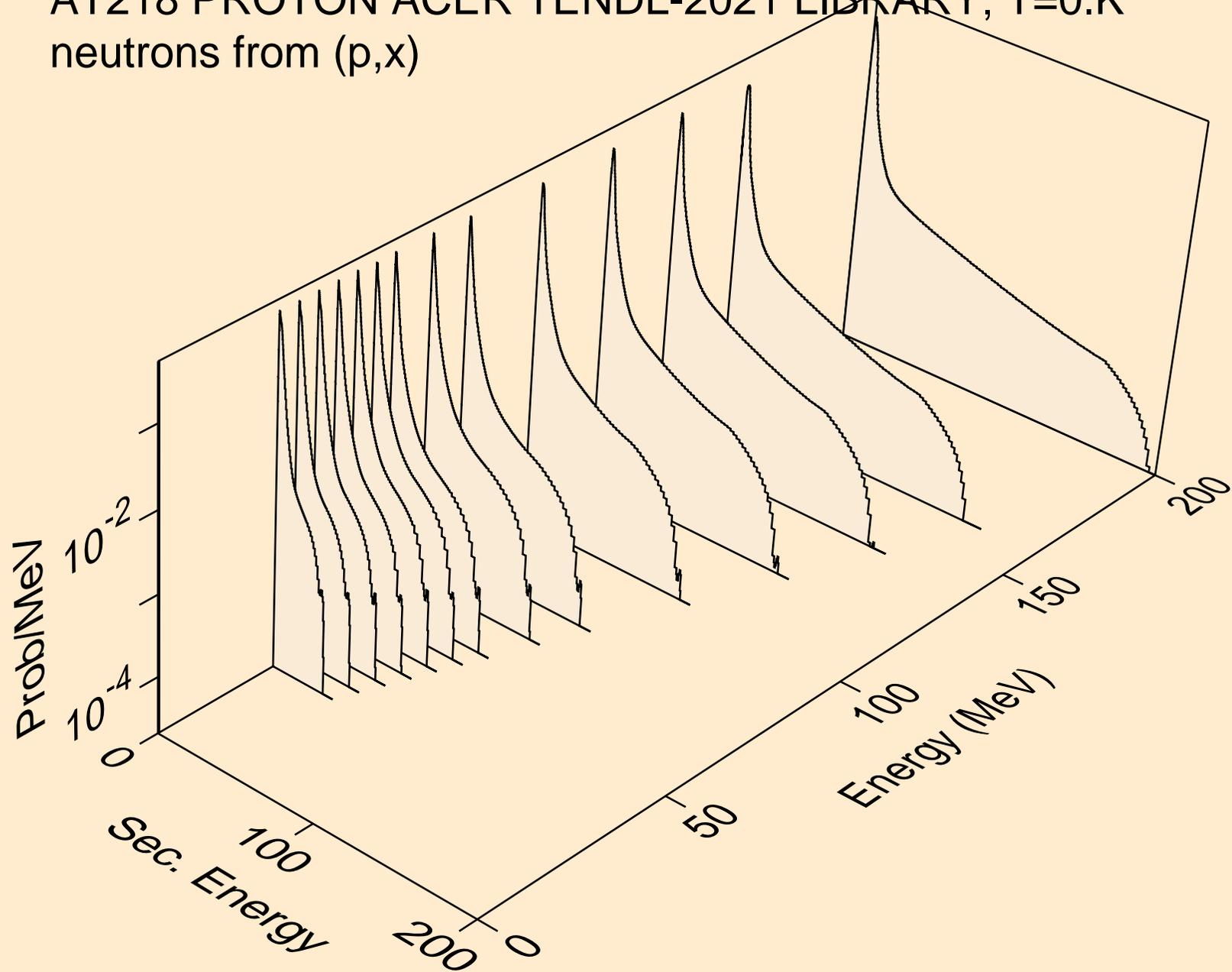Recoil Heating

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
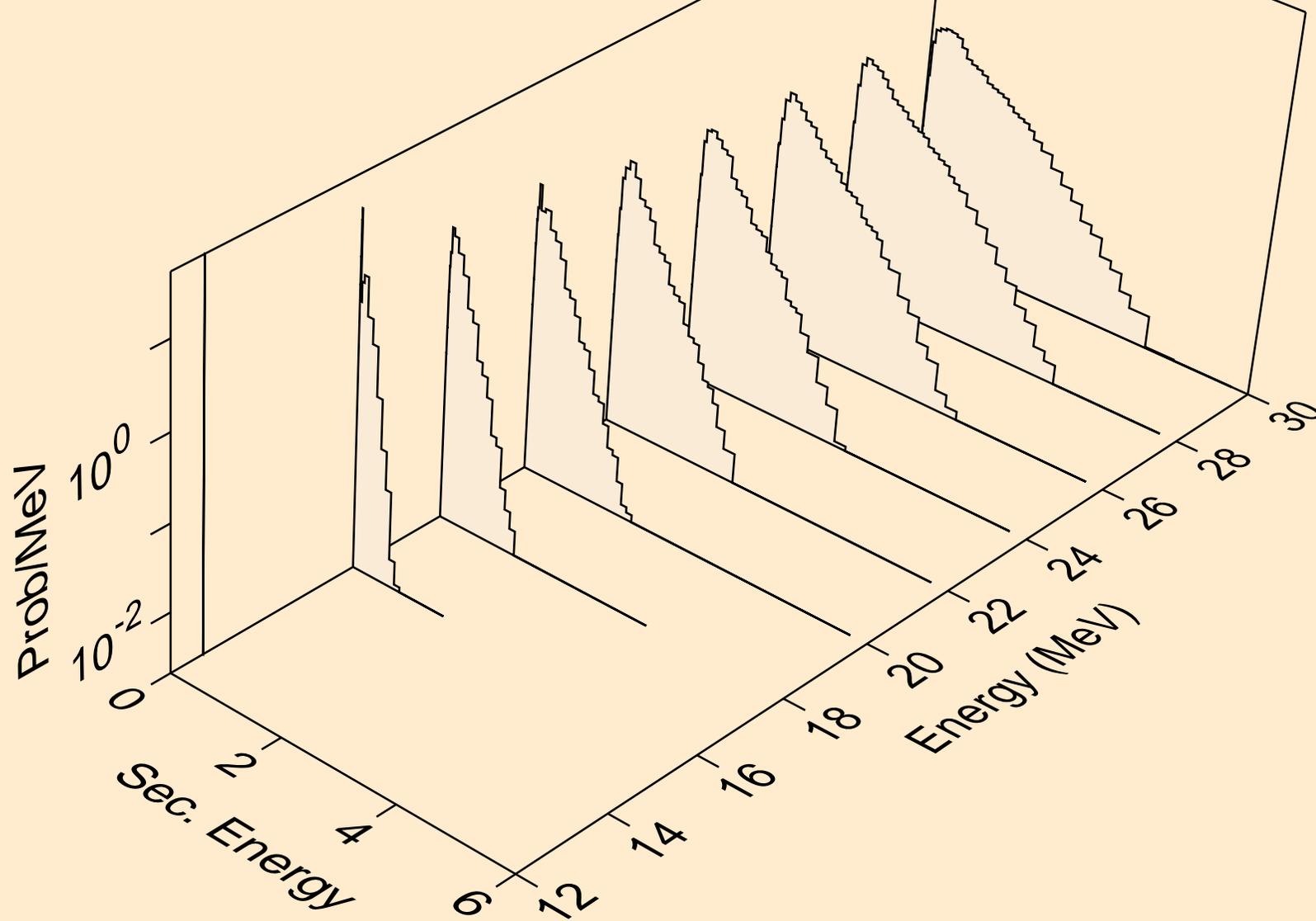Particle production cross sections

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
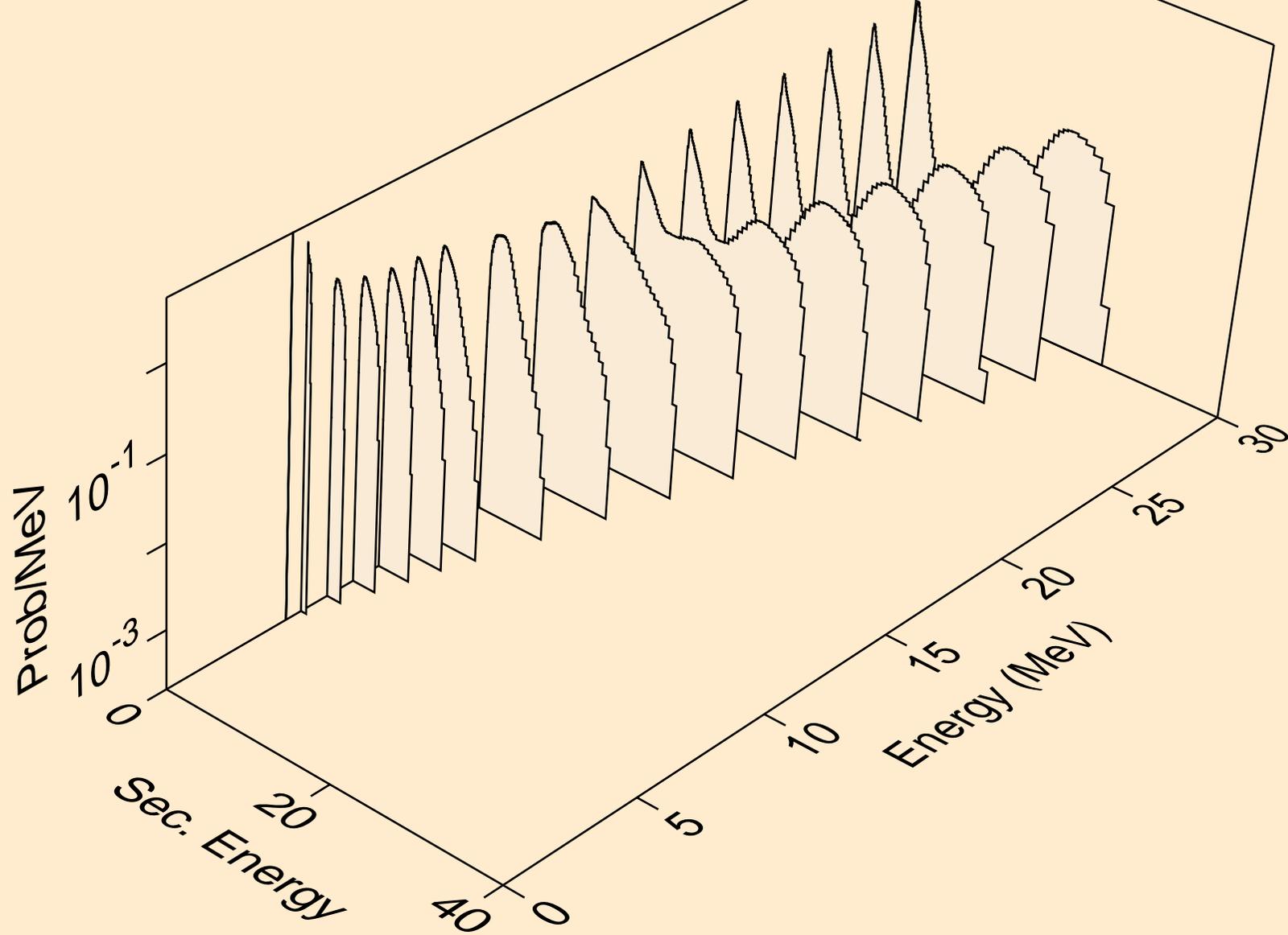neutrons from (p,n)

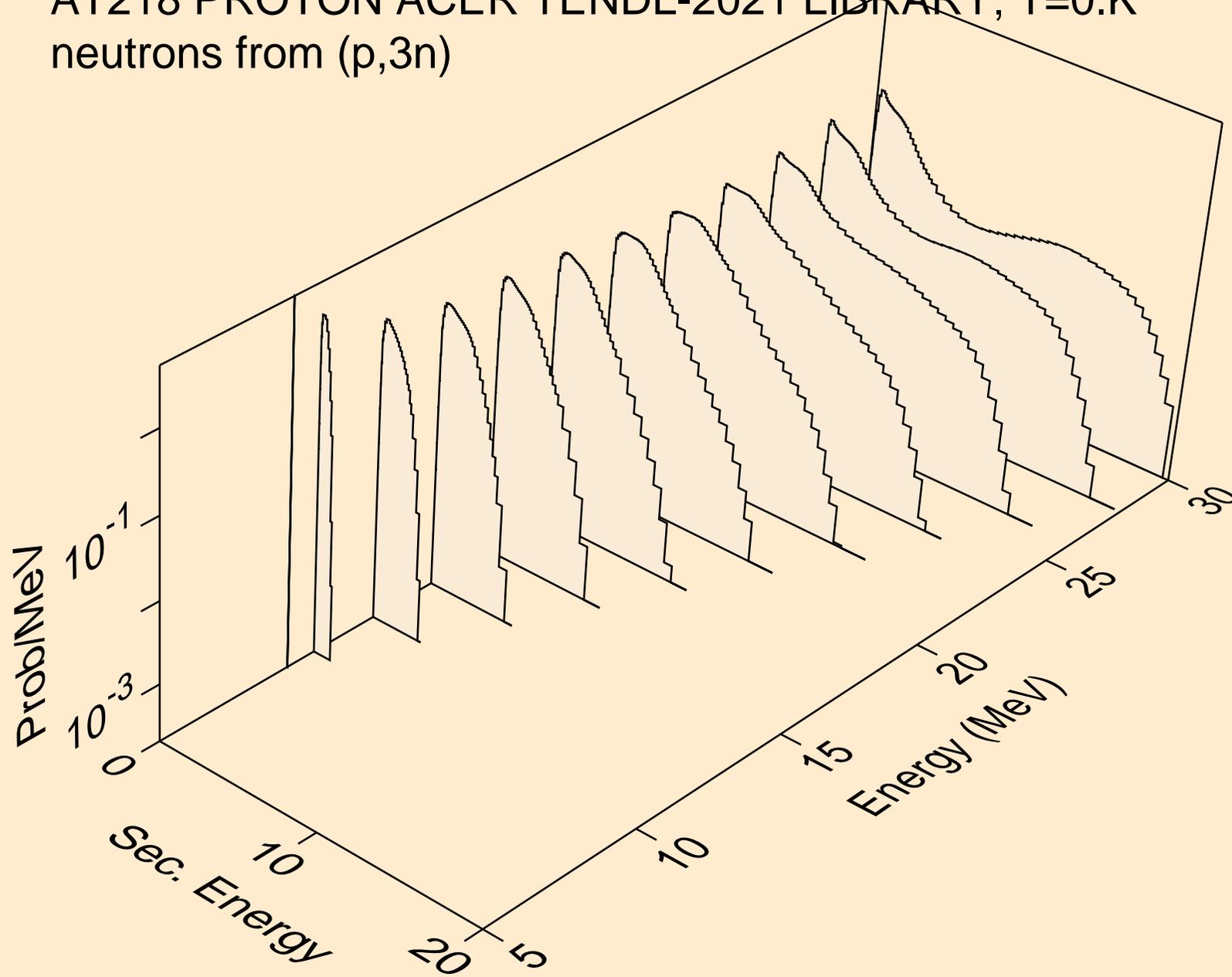AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,x)

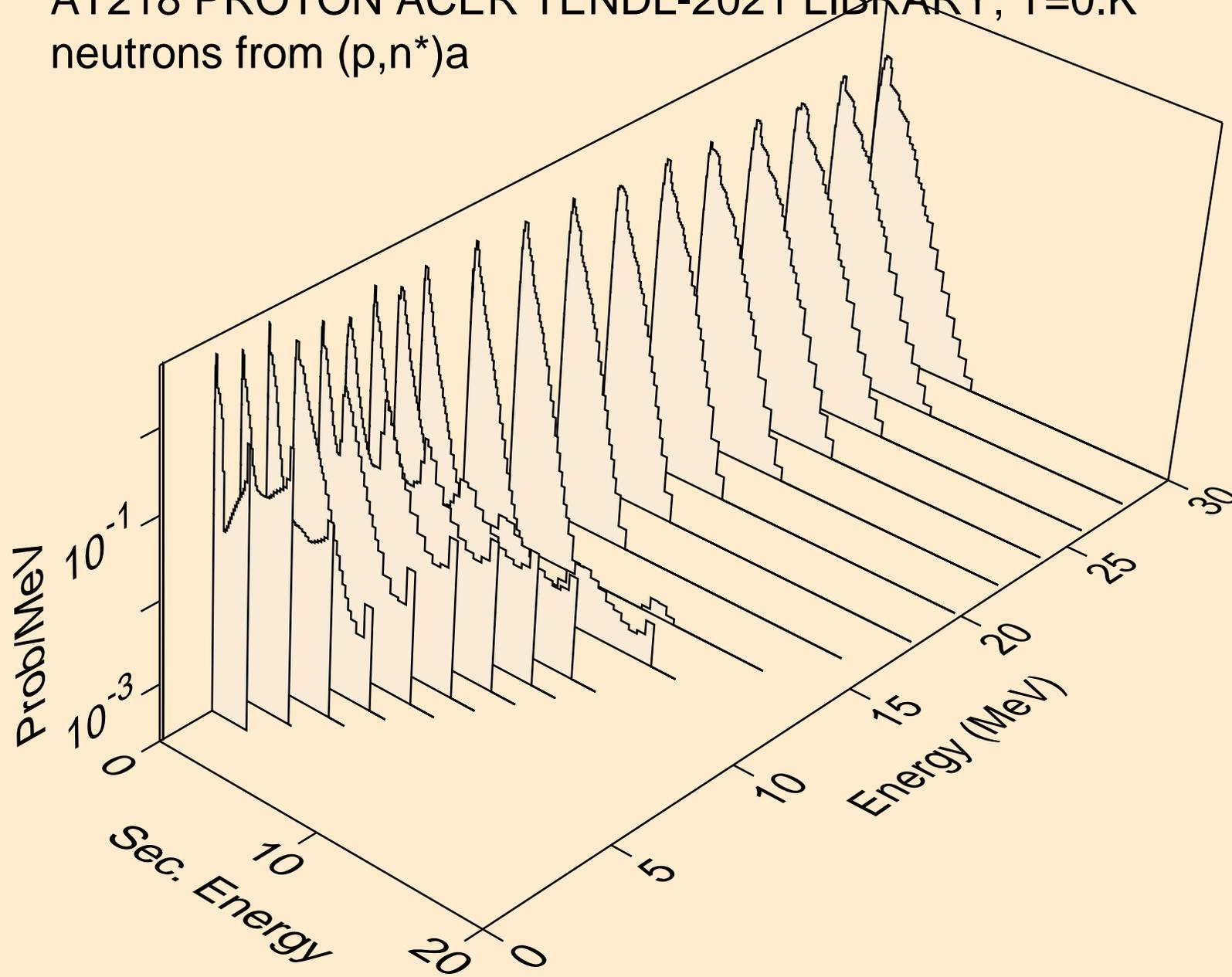AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2nd)

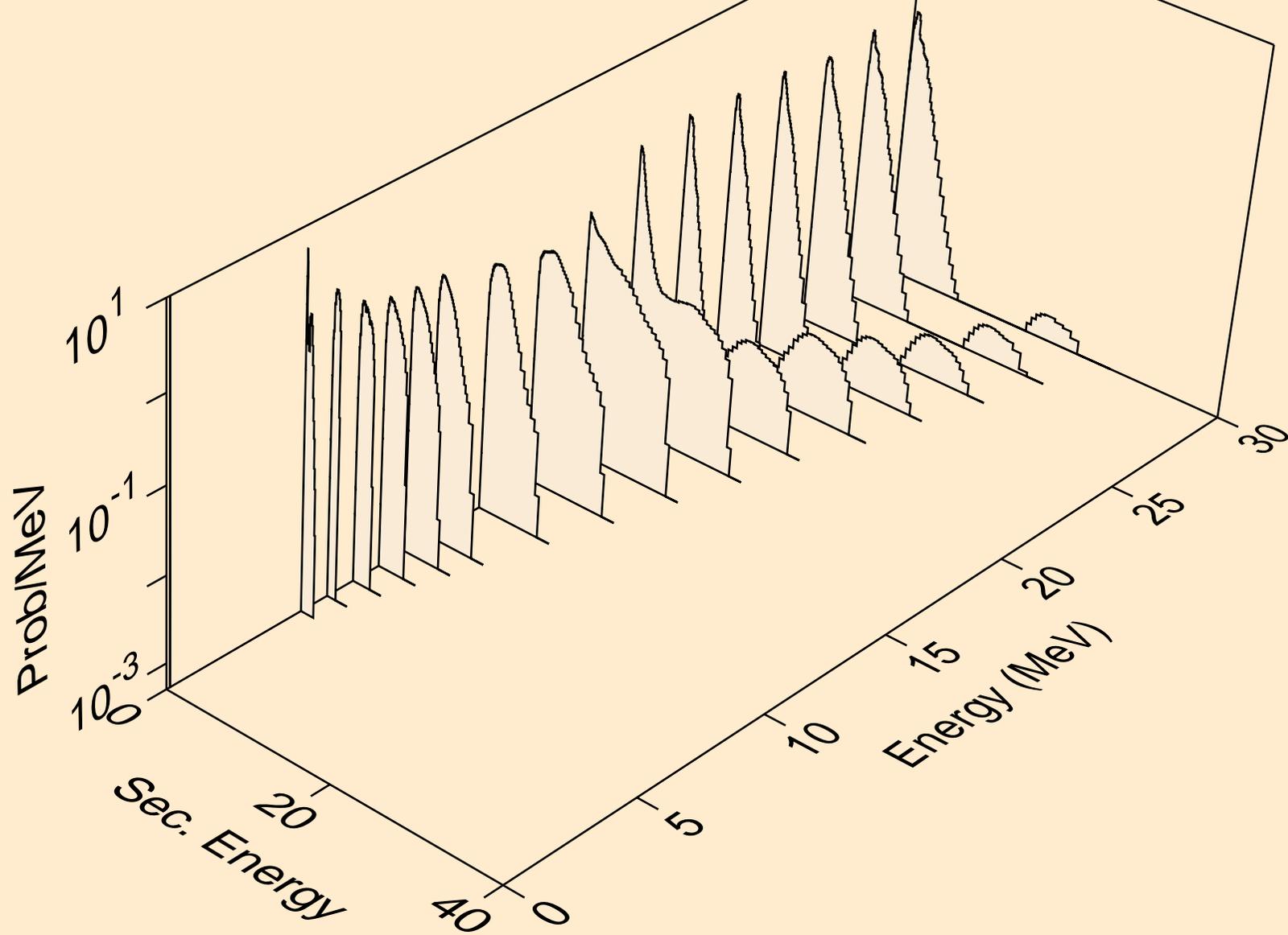AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2n)

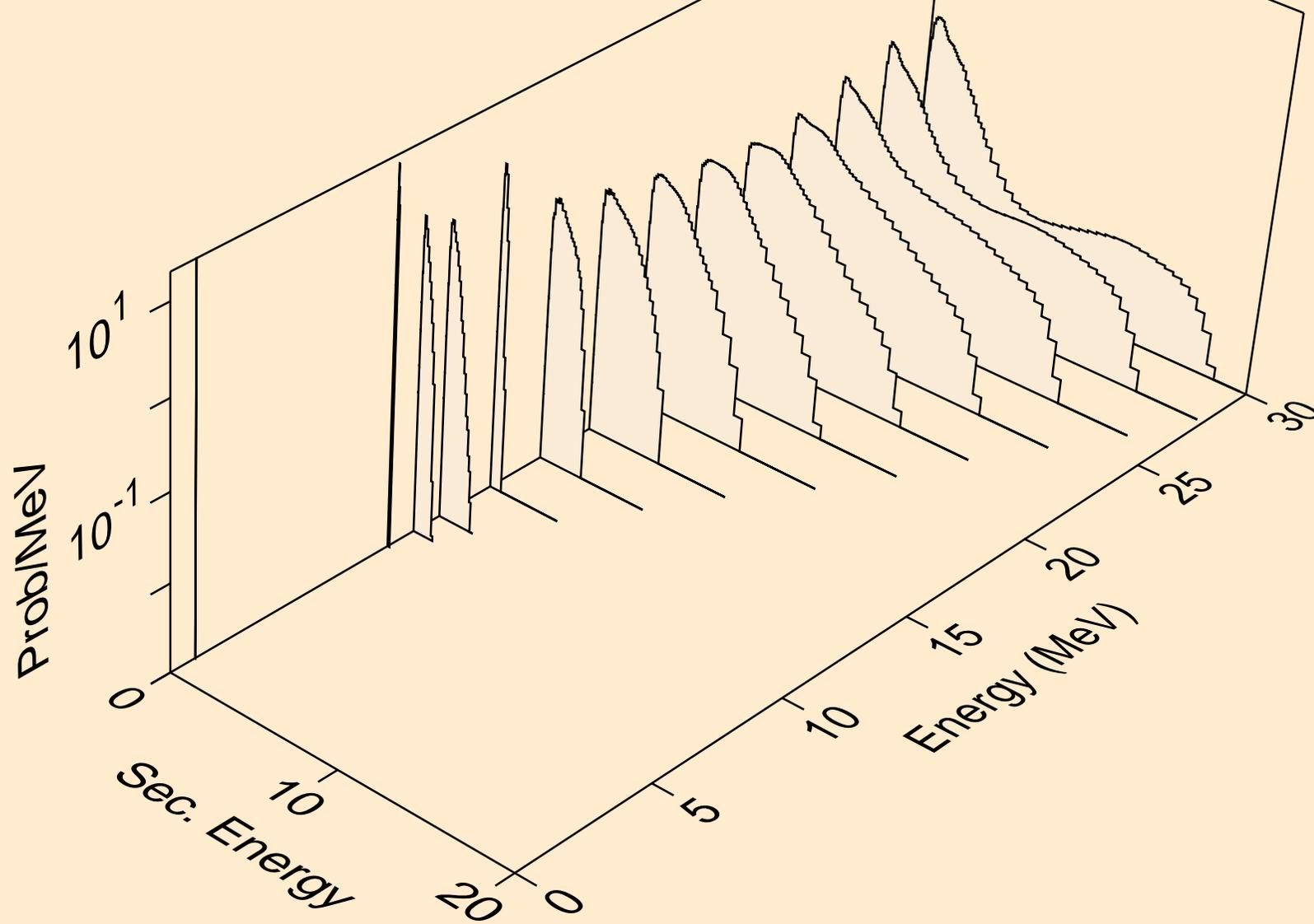AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3n)

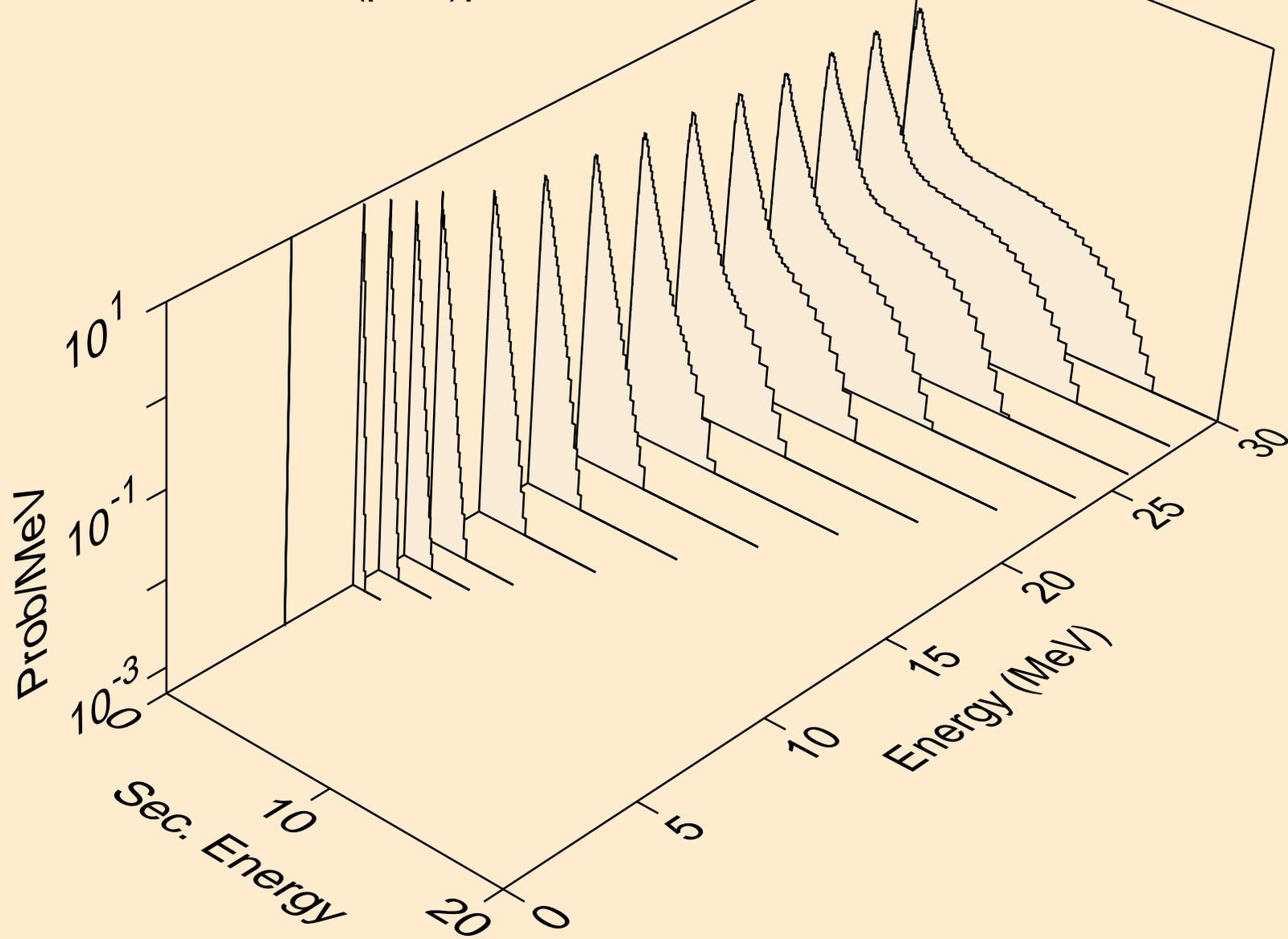AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)a

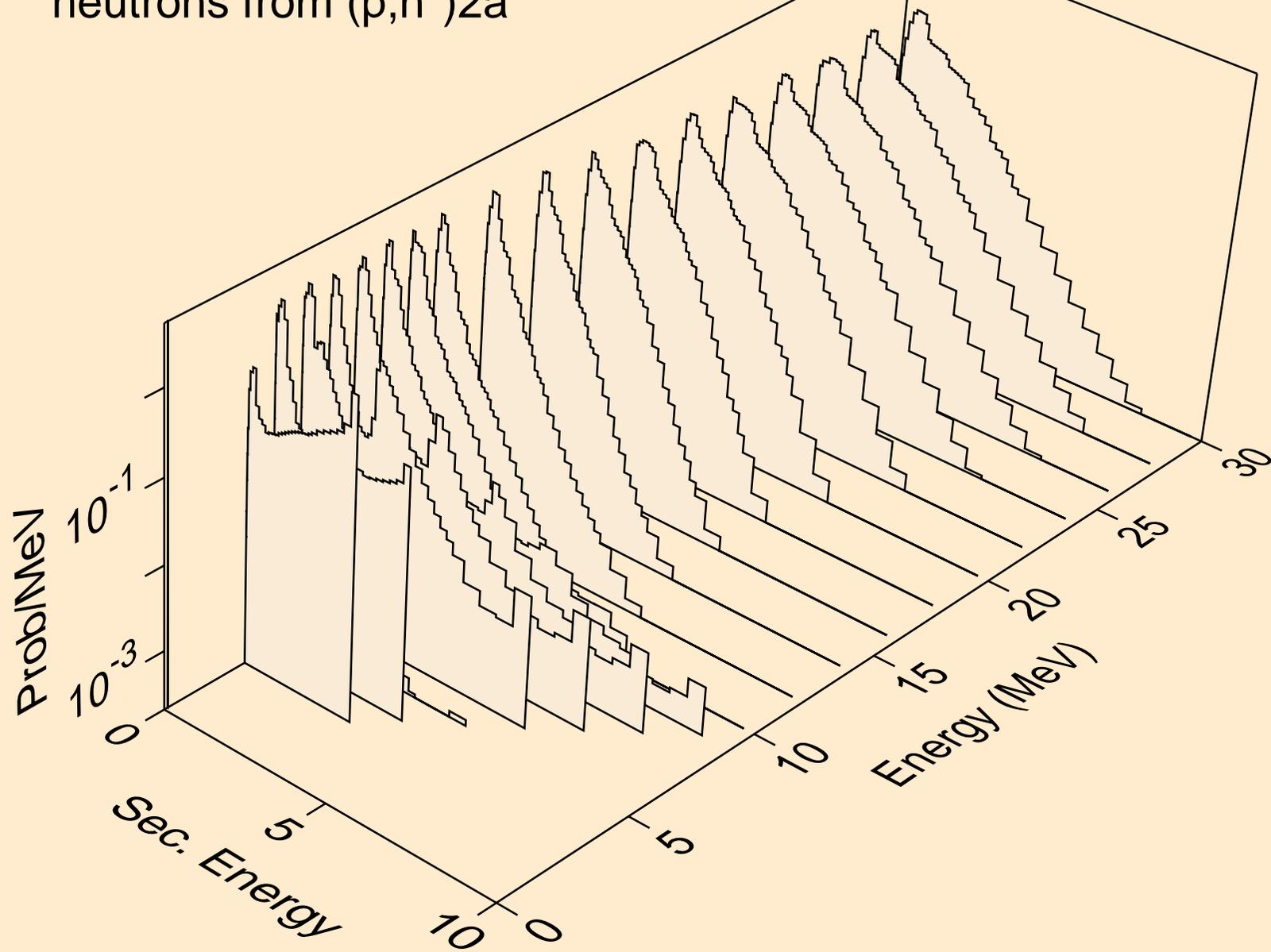AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2n)a

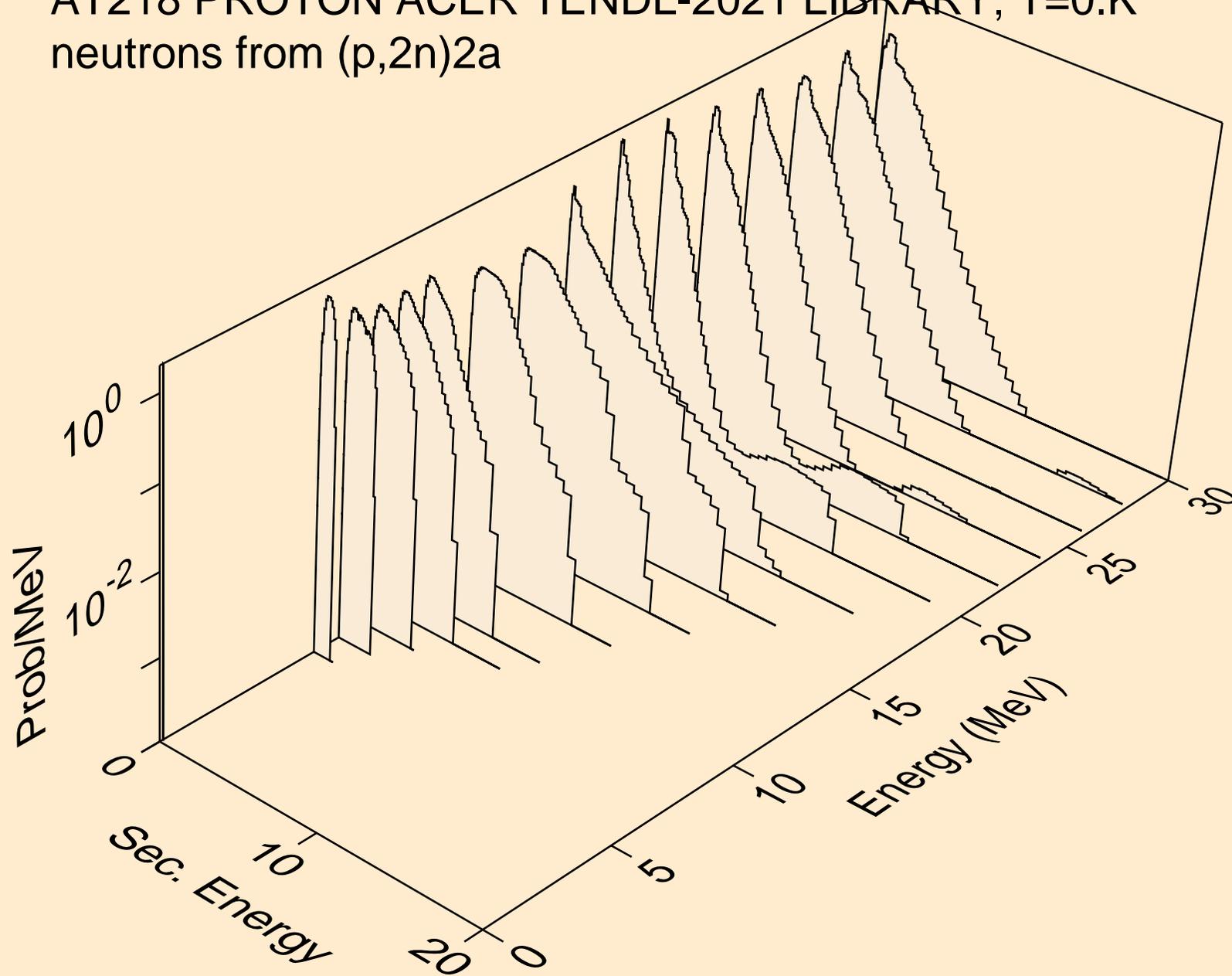AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3n)a

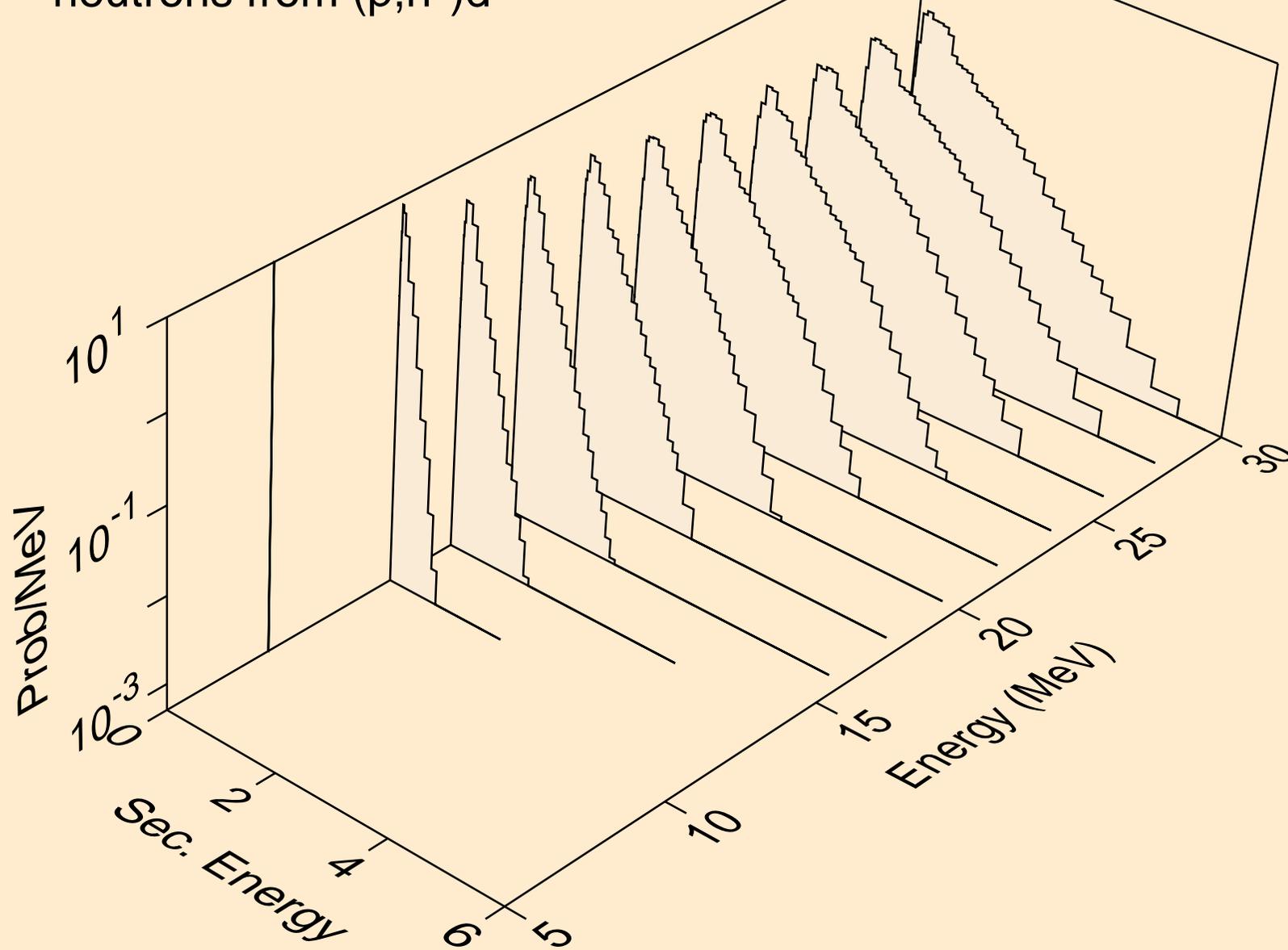AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)p

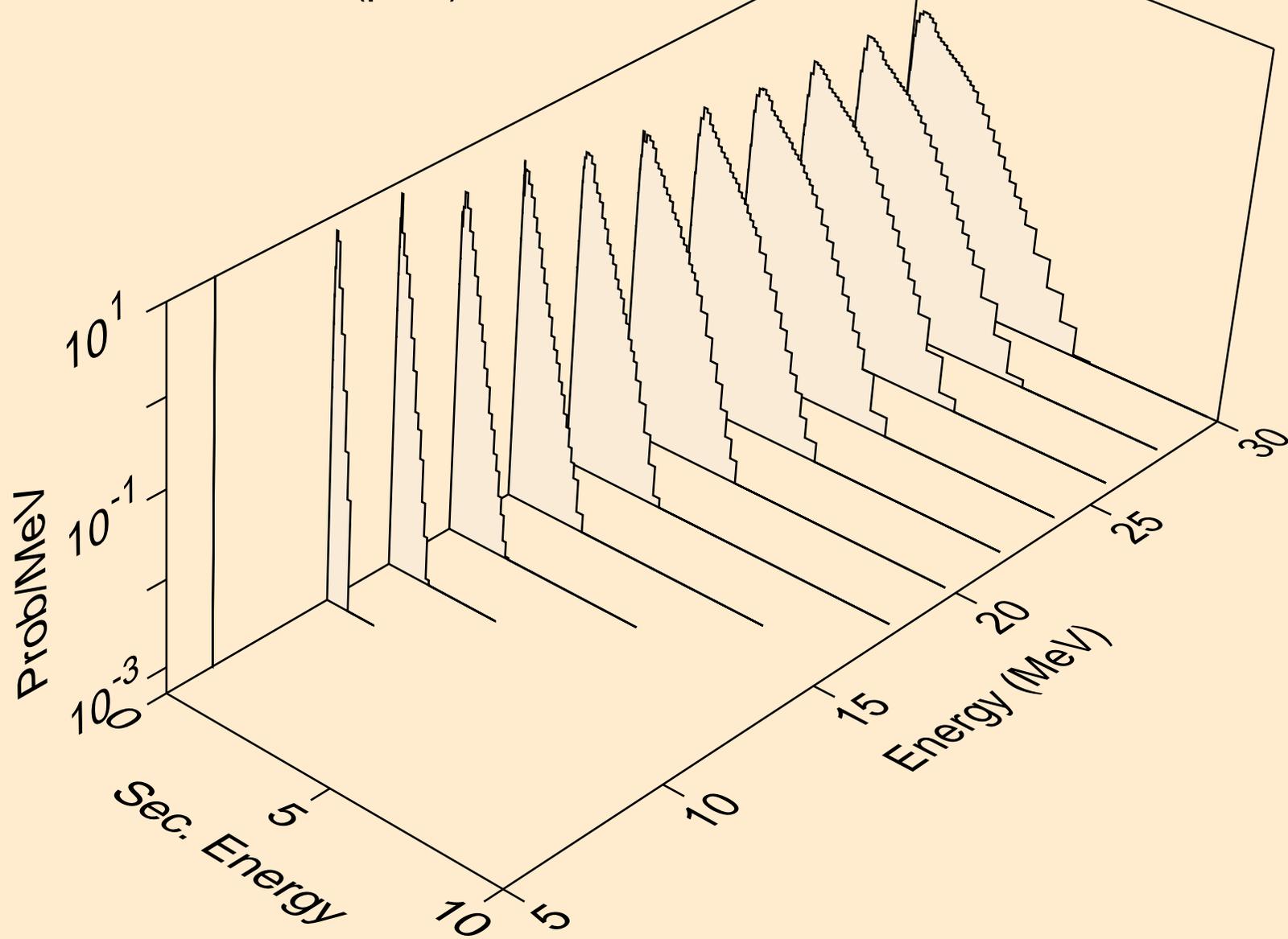AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)2a

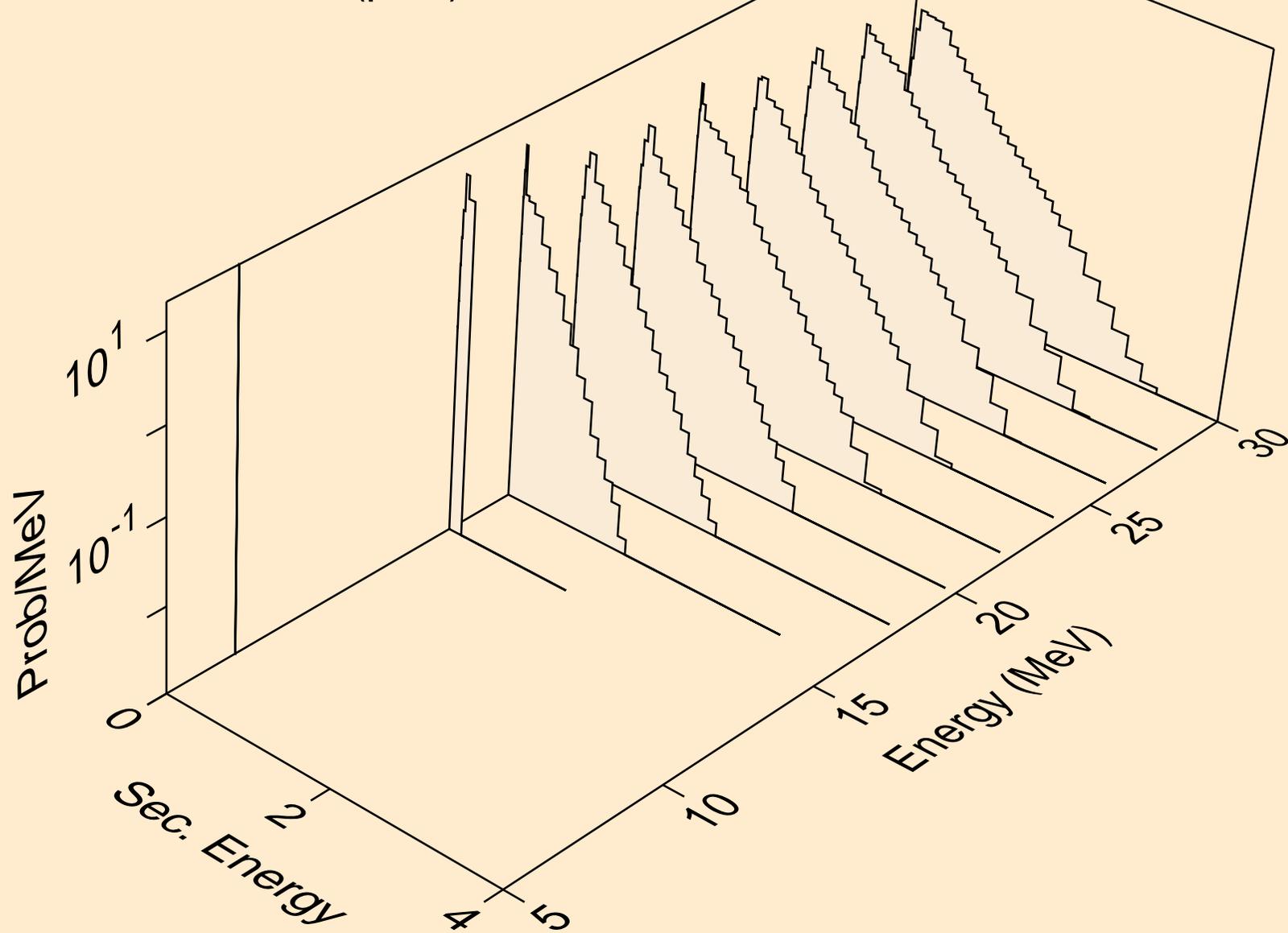AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,2n)2a

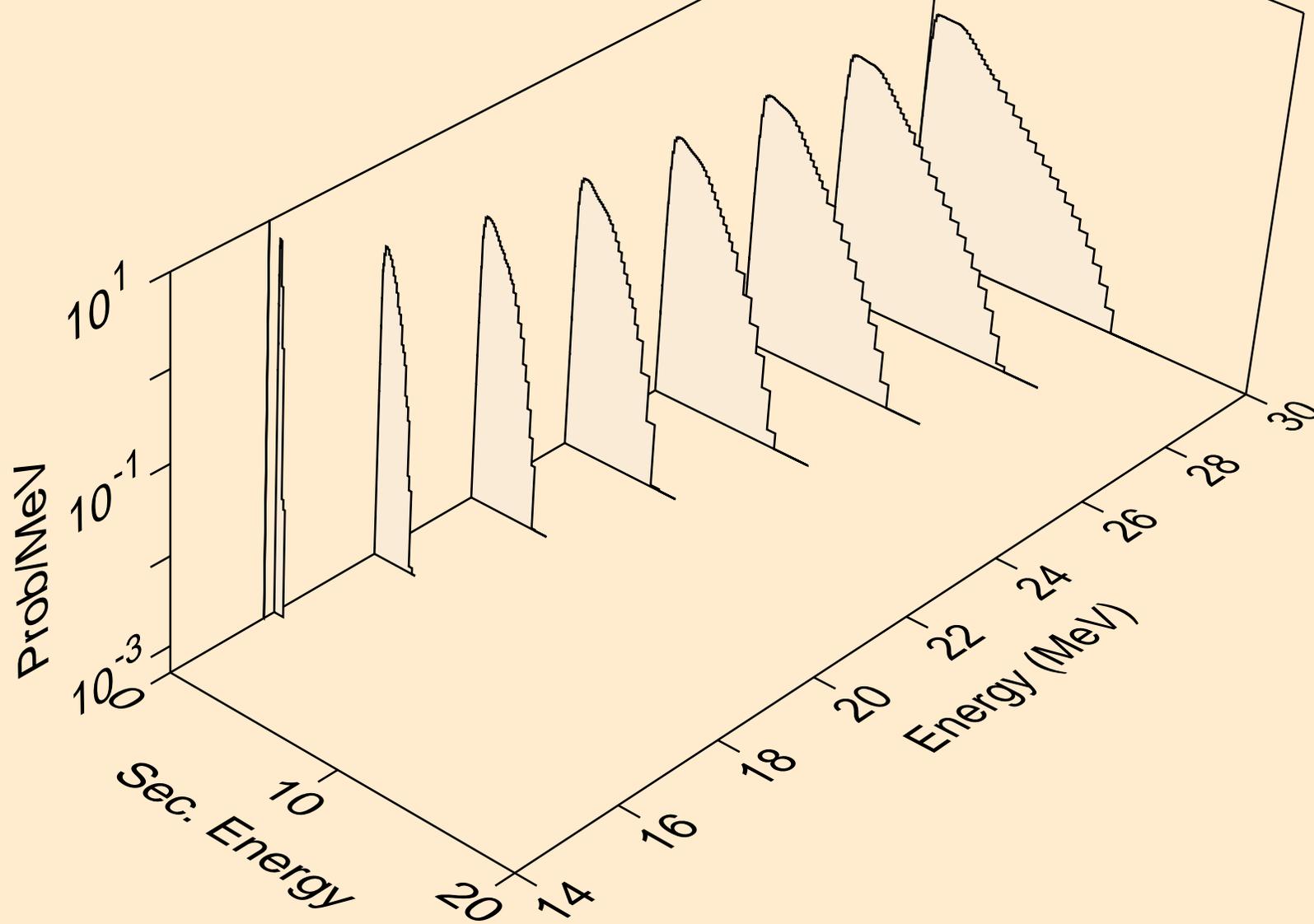AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
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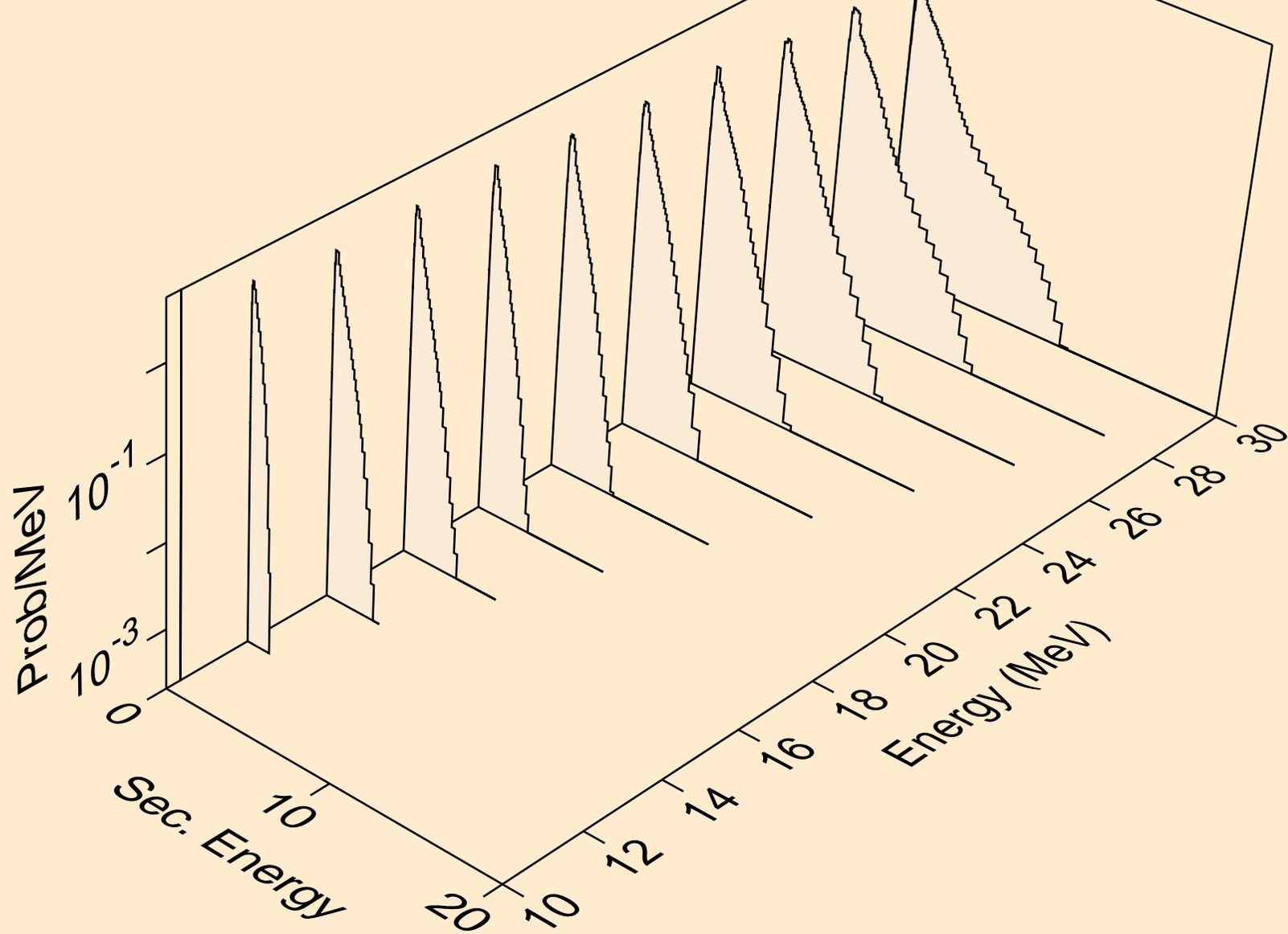AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)t

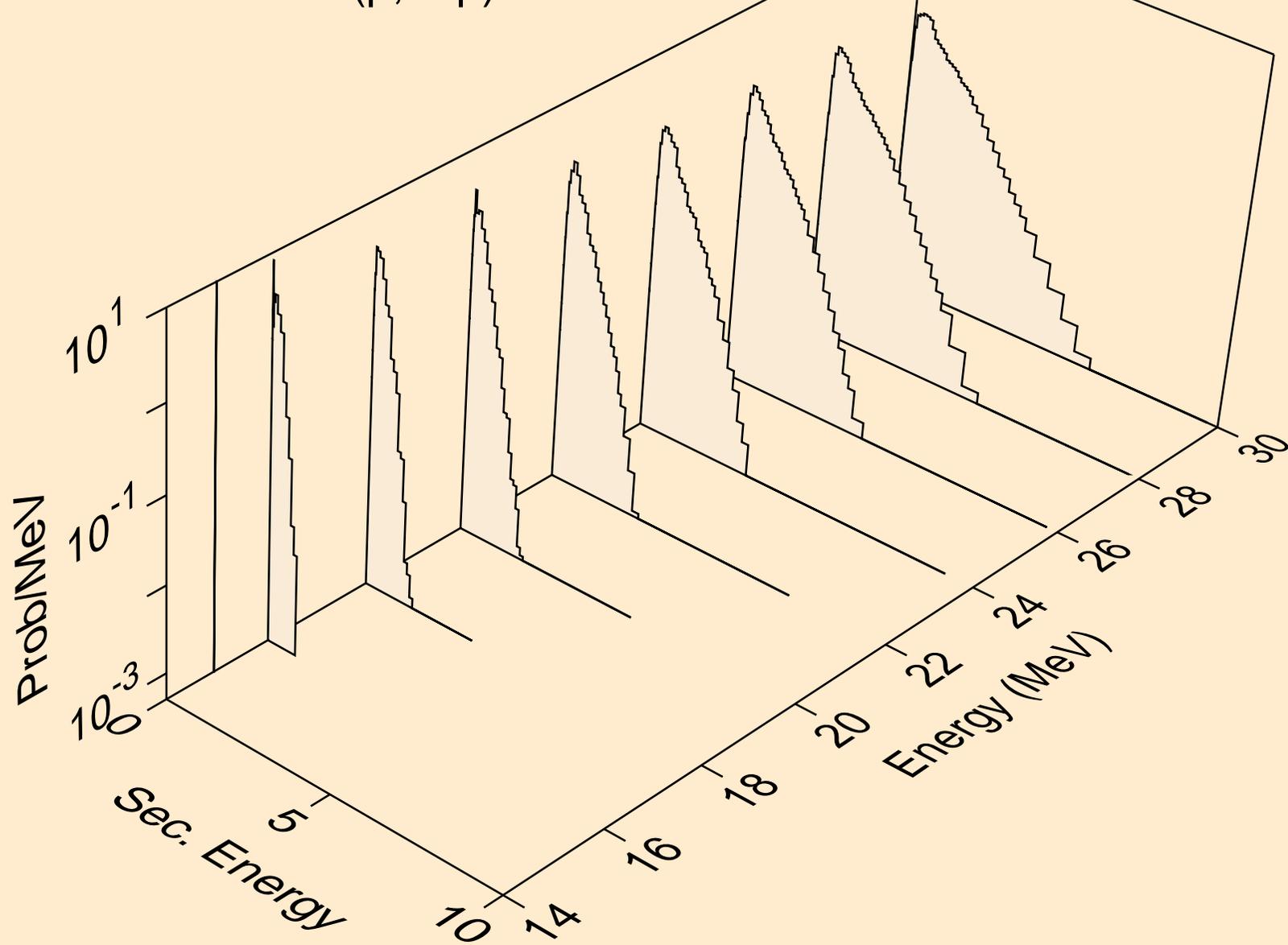AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,n*)he3

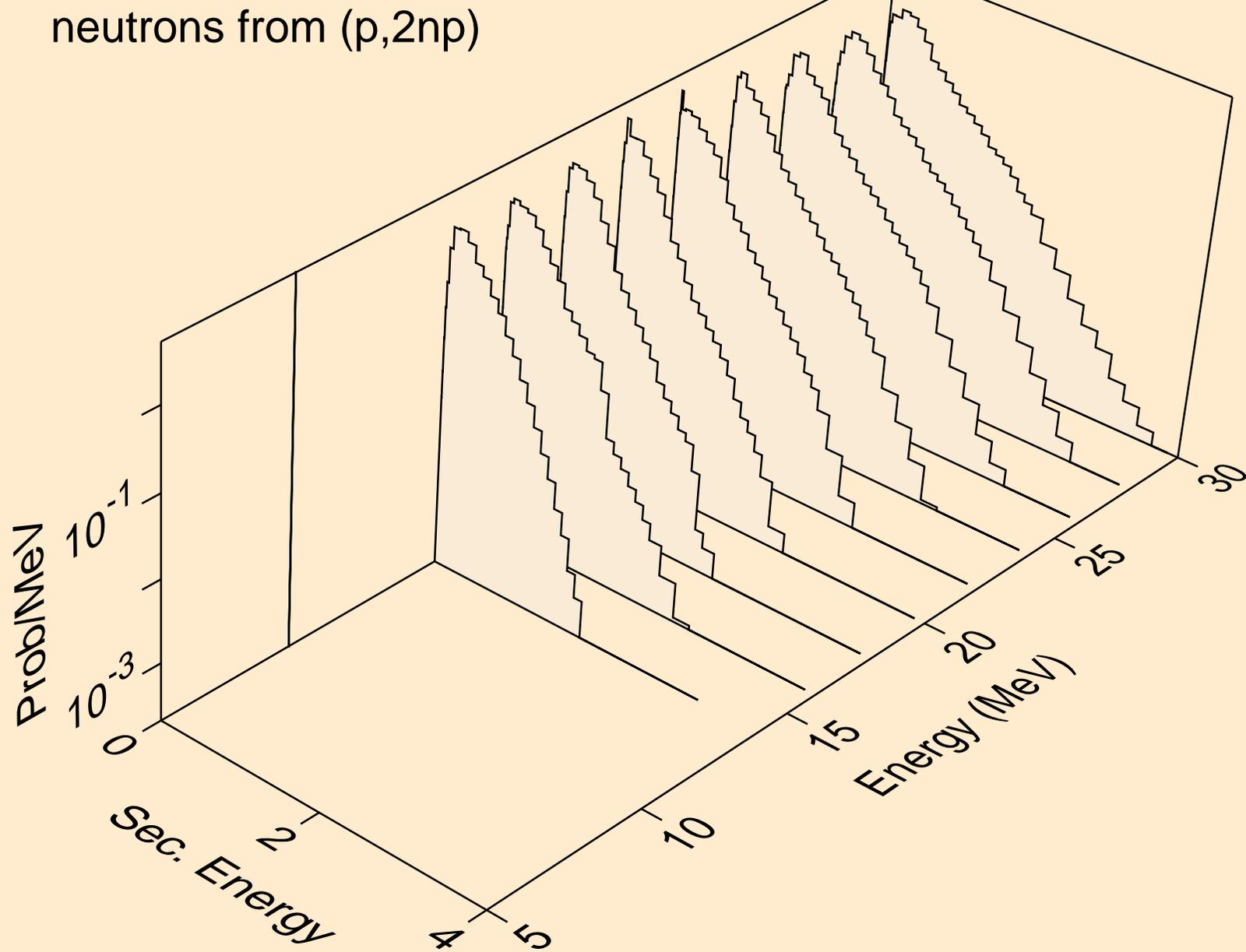AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
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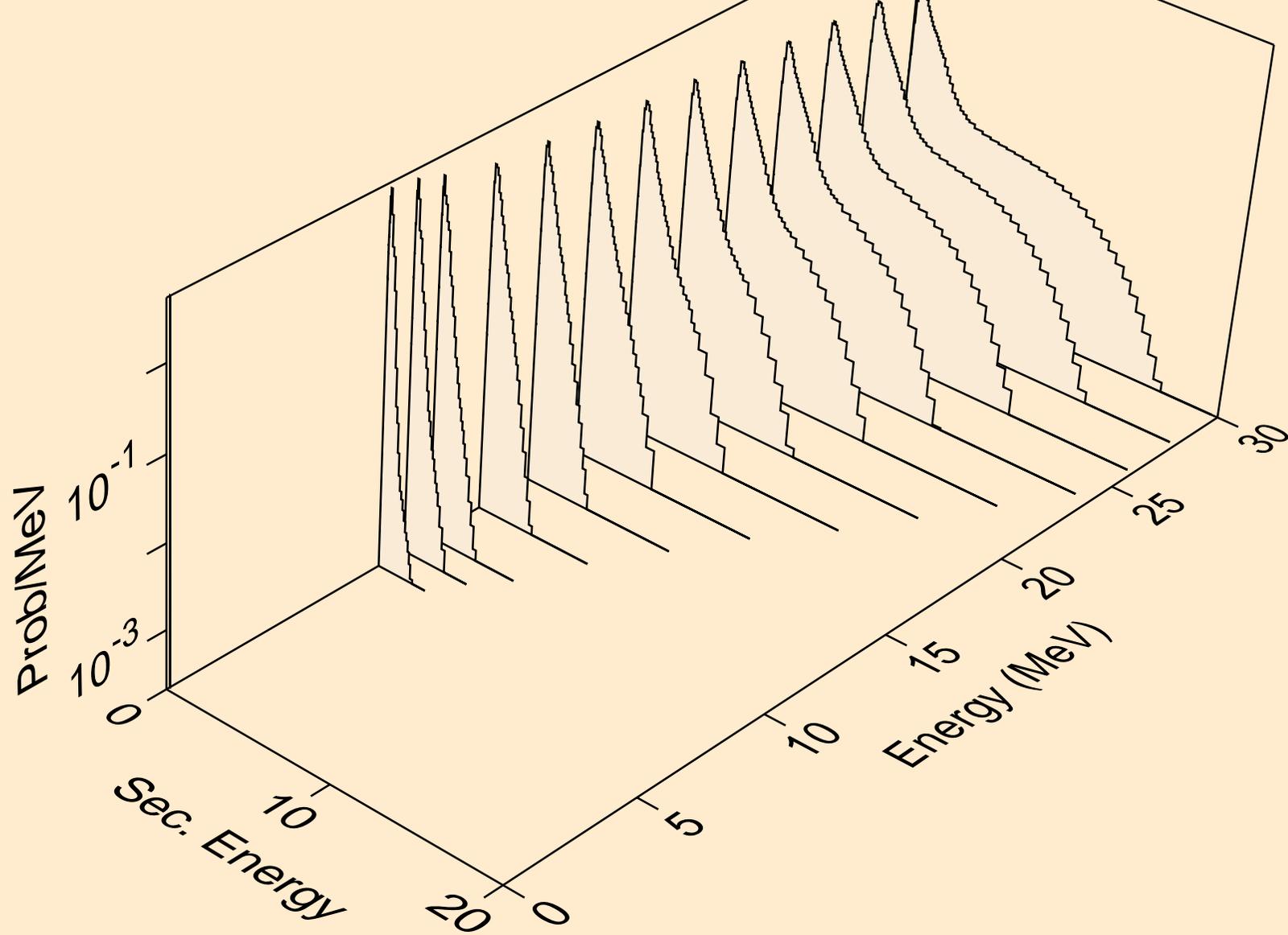AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
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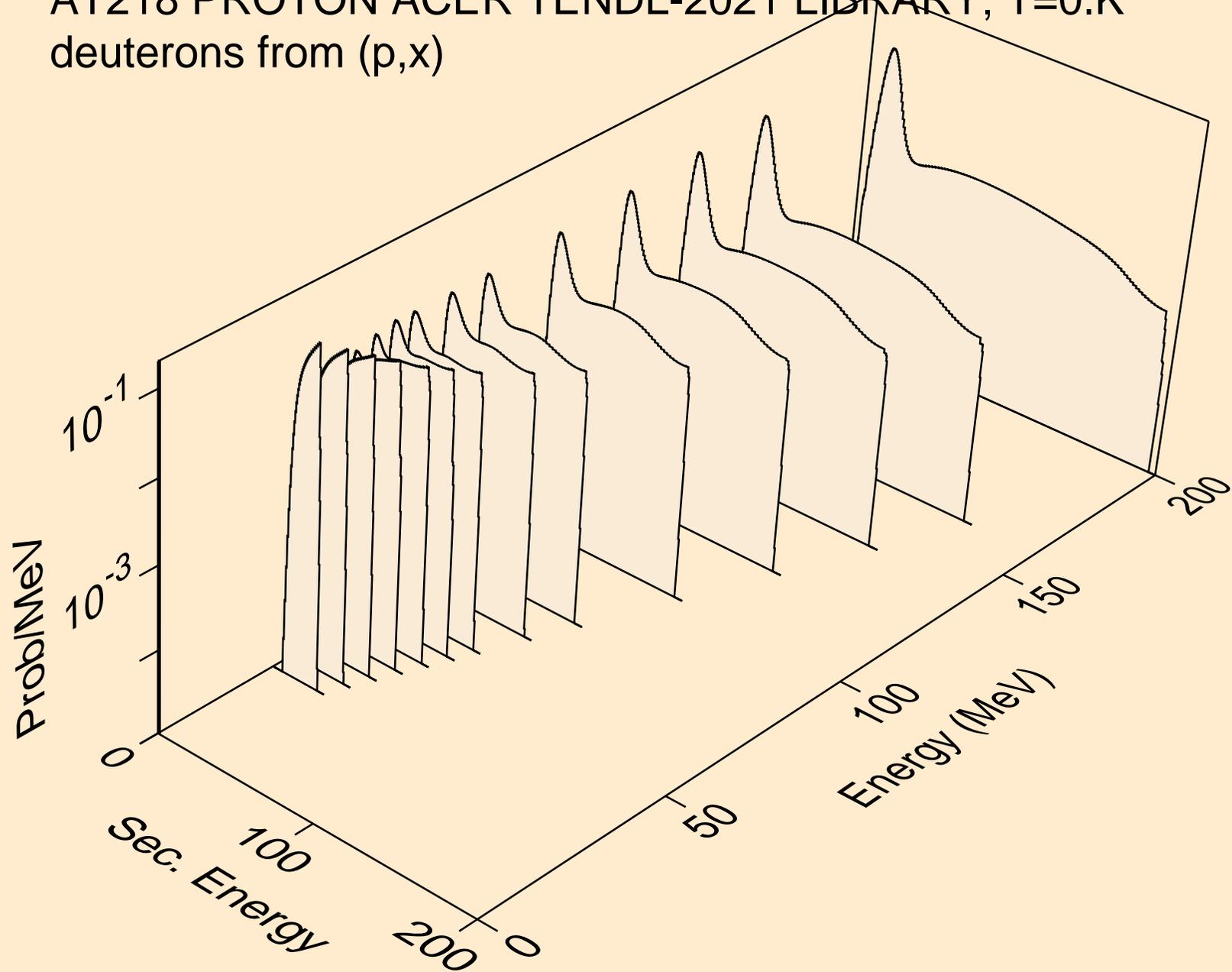AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (p,3np)

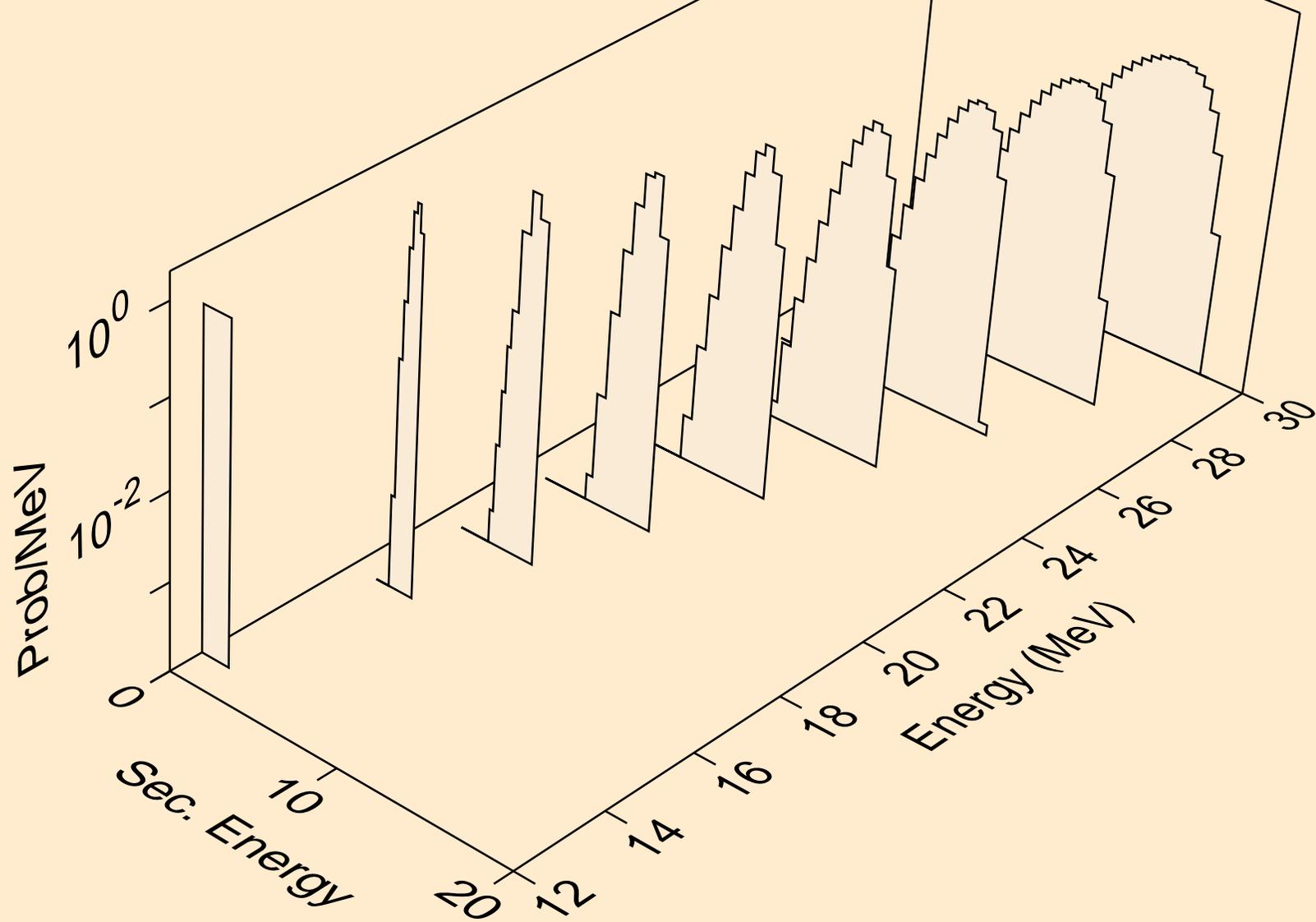AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
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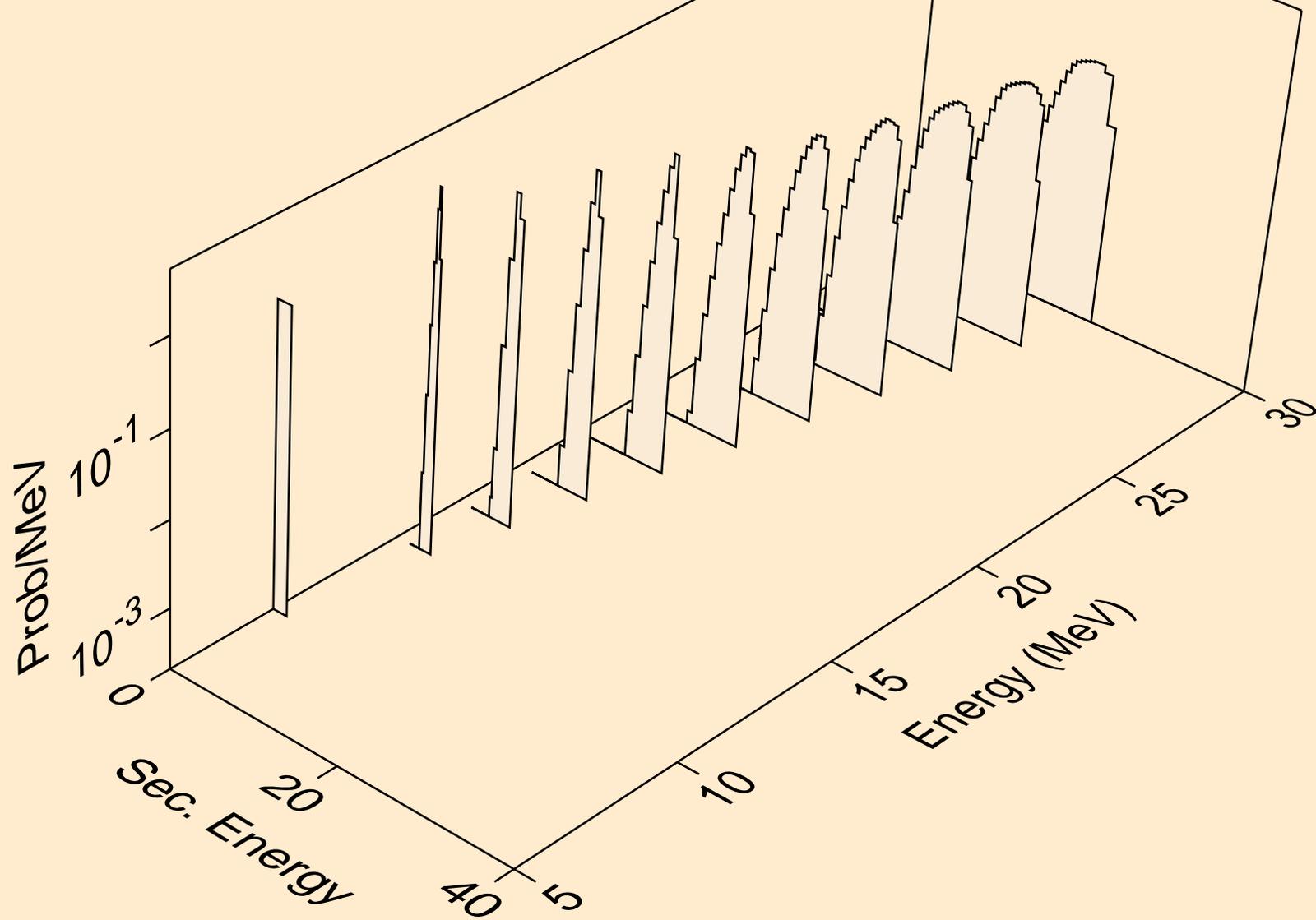AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
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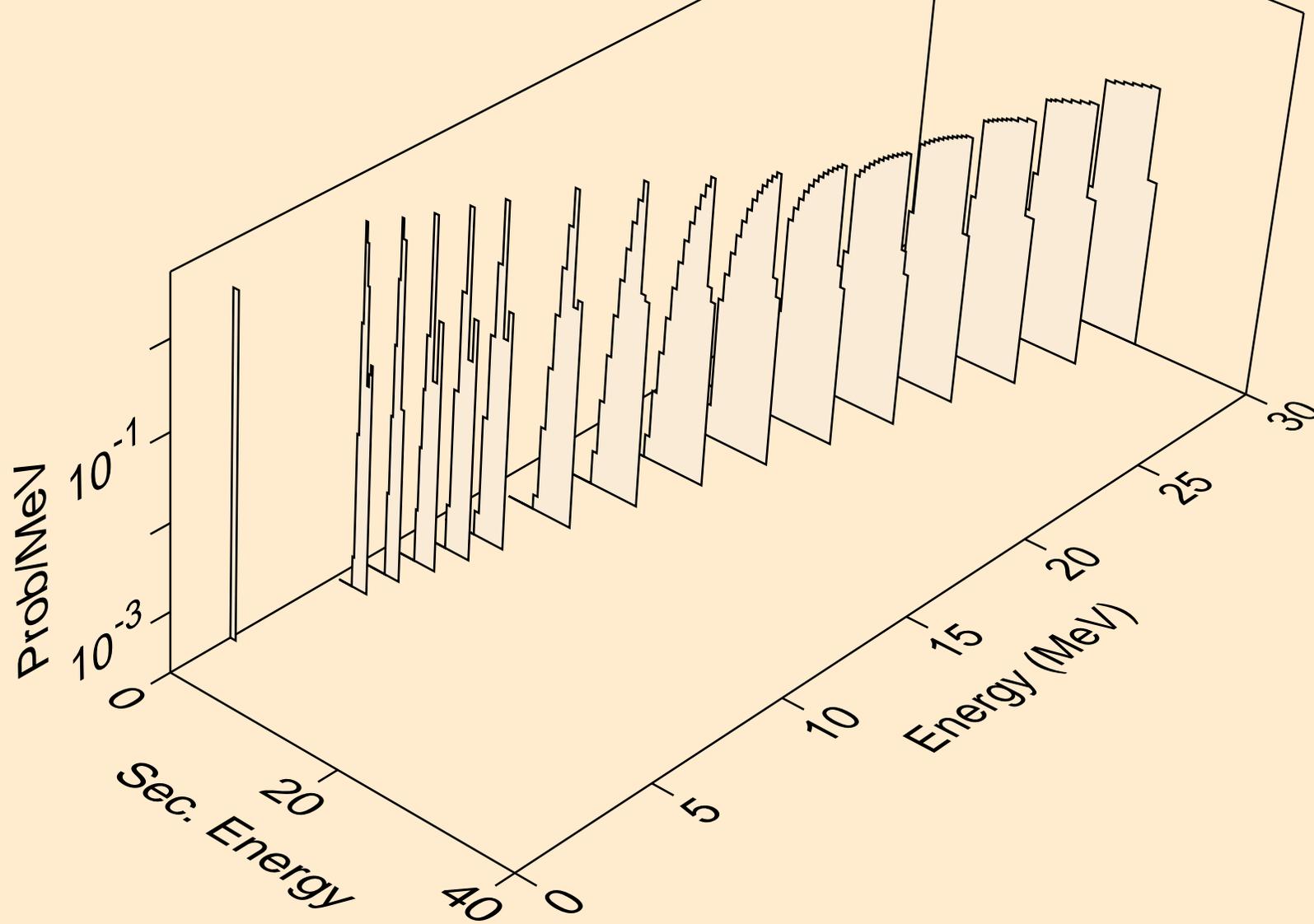AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (p,x)

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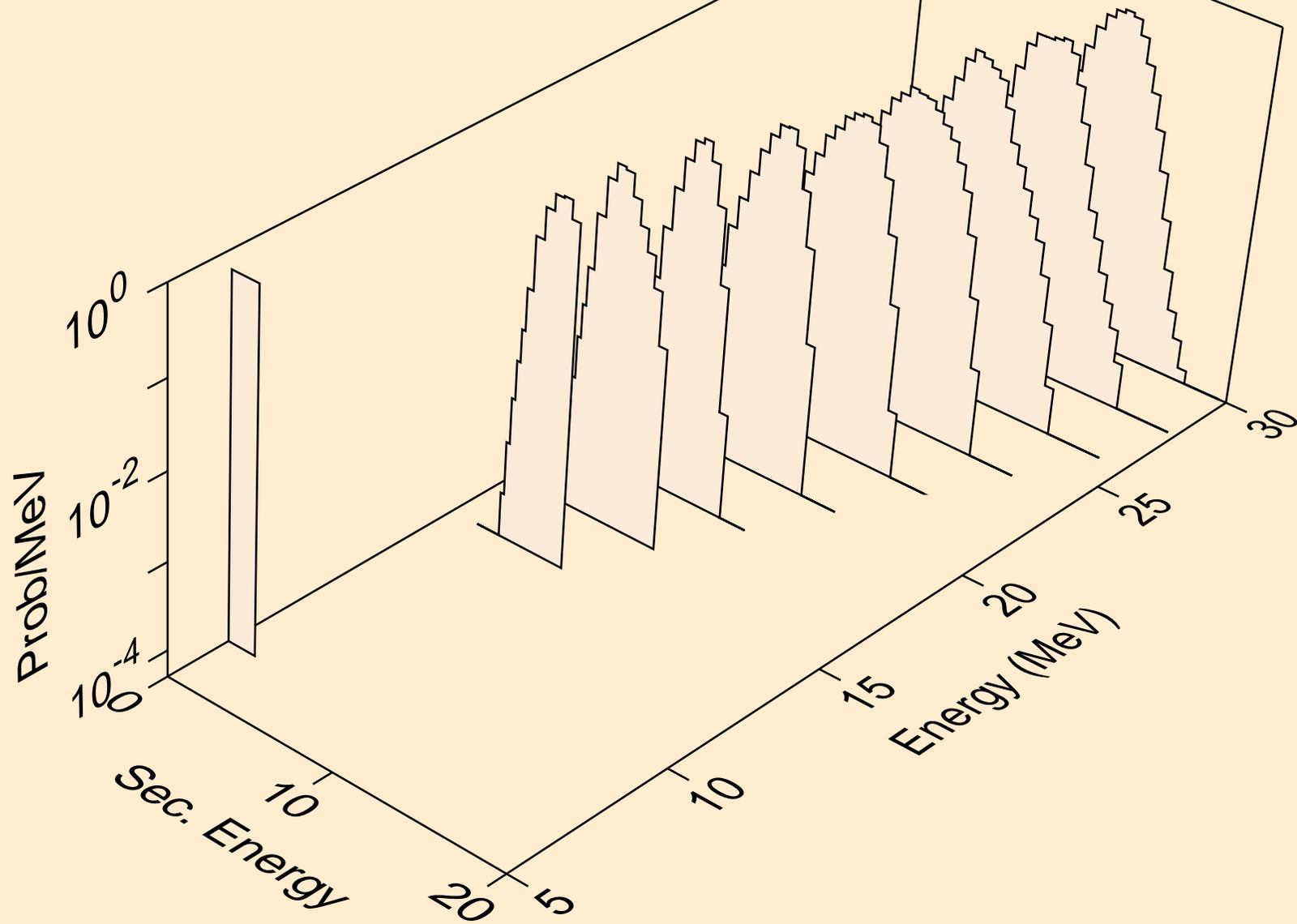deuterons from (p,2nd)

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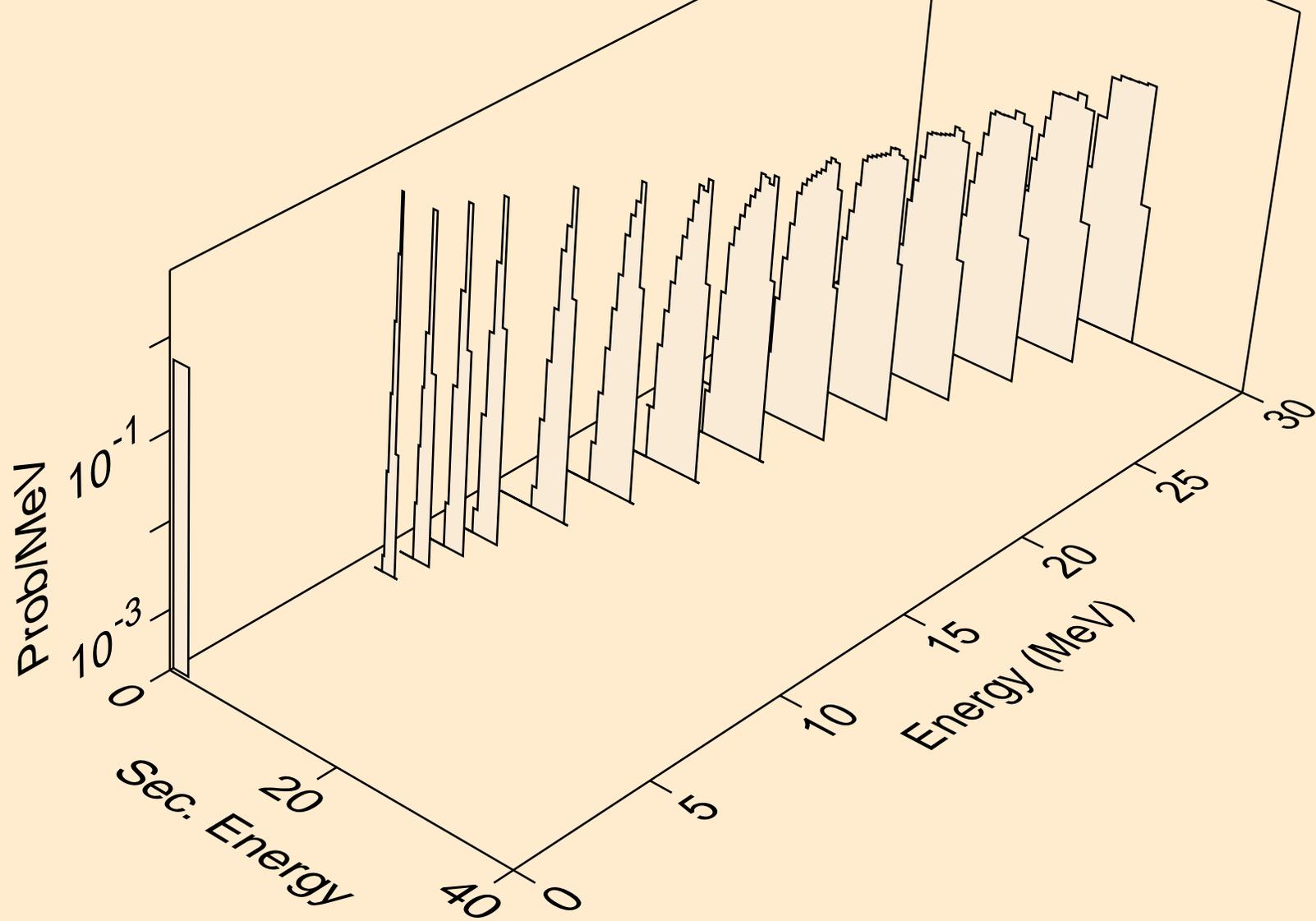deuterons from (p,n*)d

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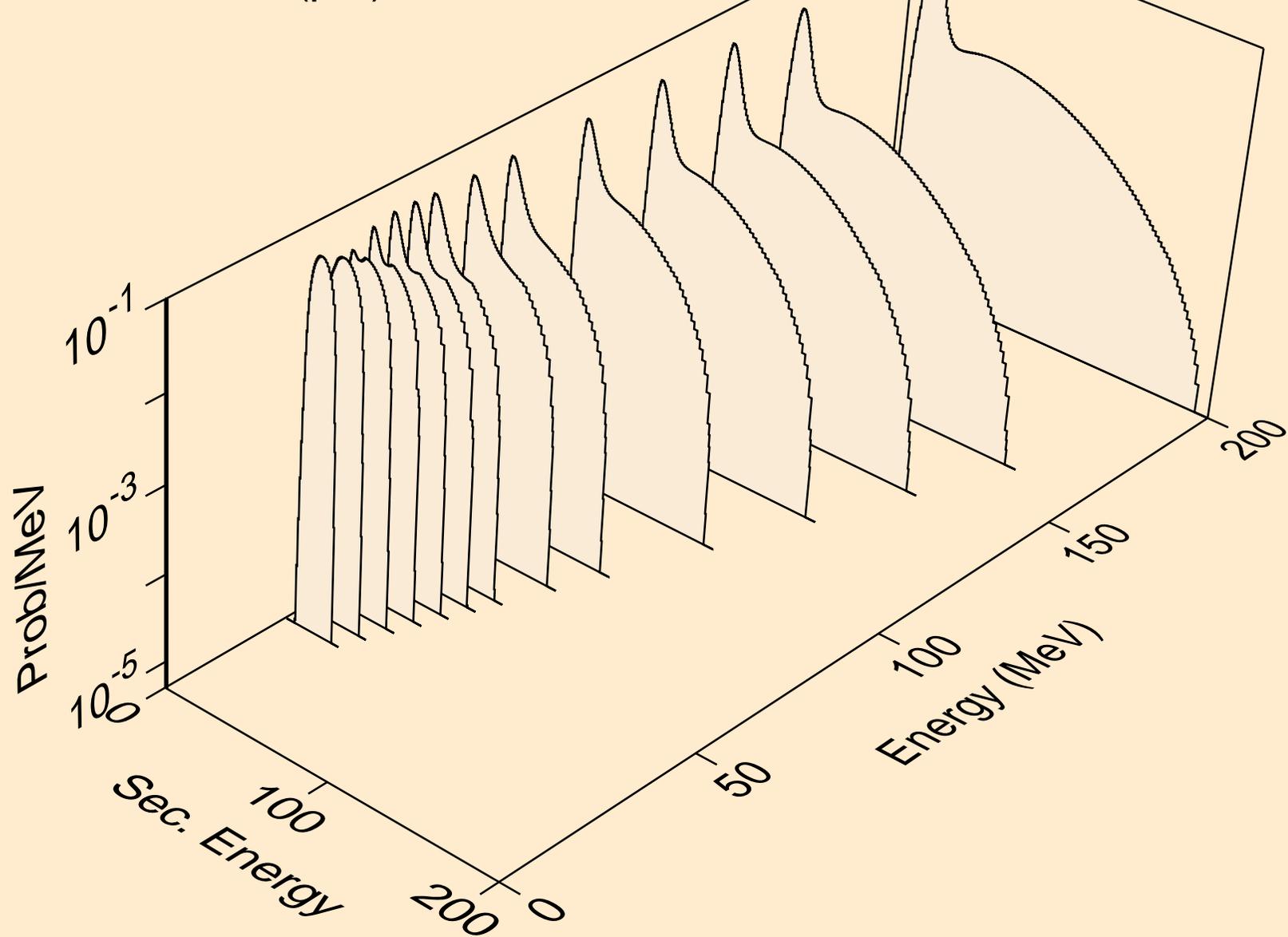deuterons from (p,d)

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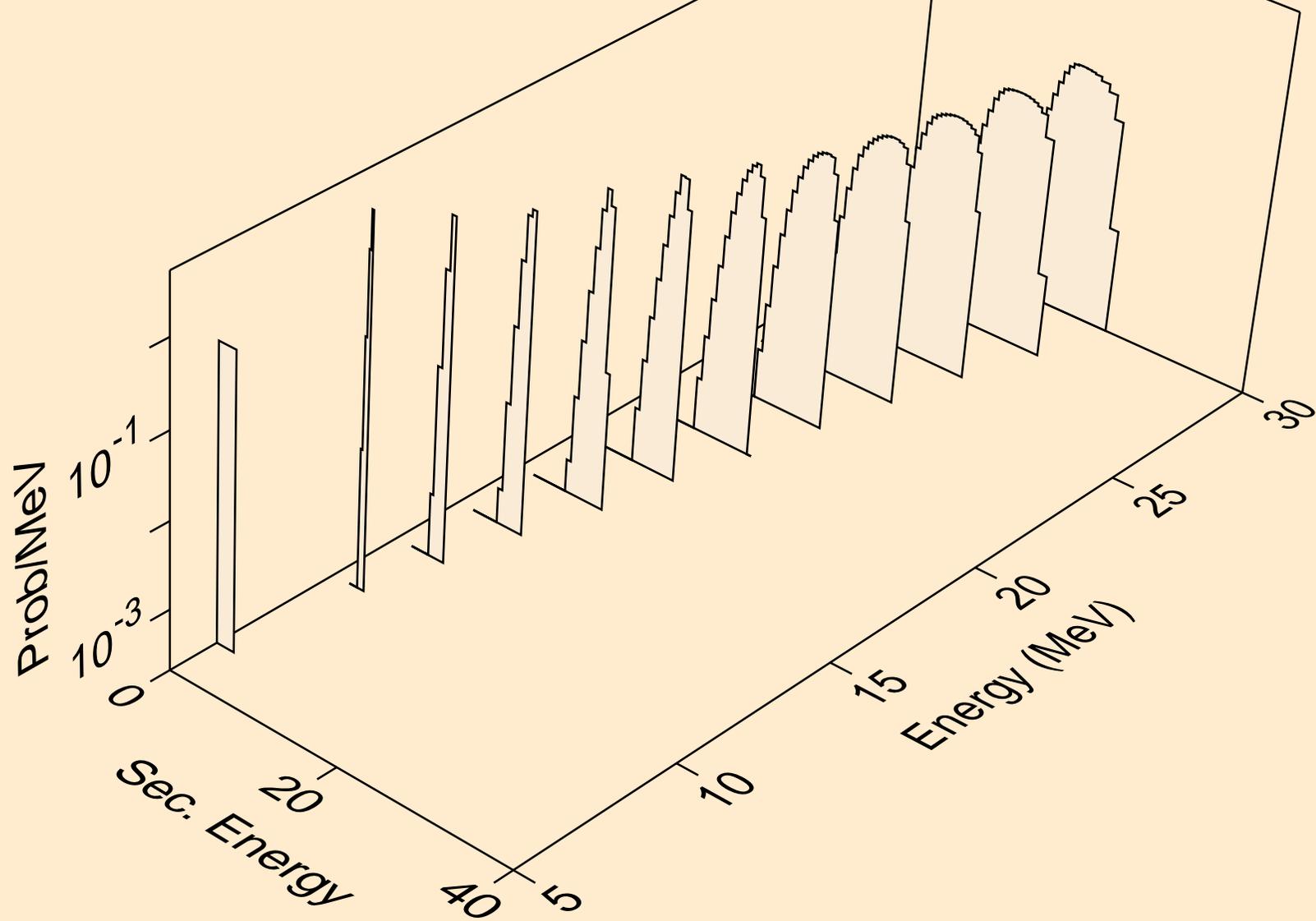deuterons from (p,pd)

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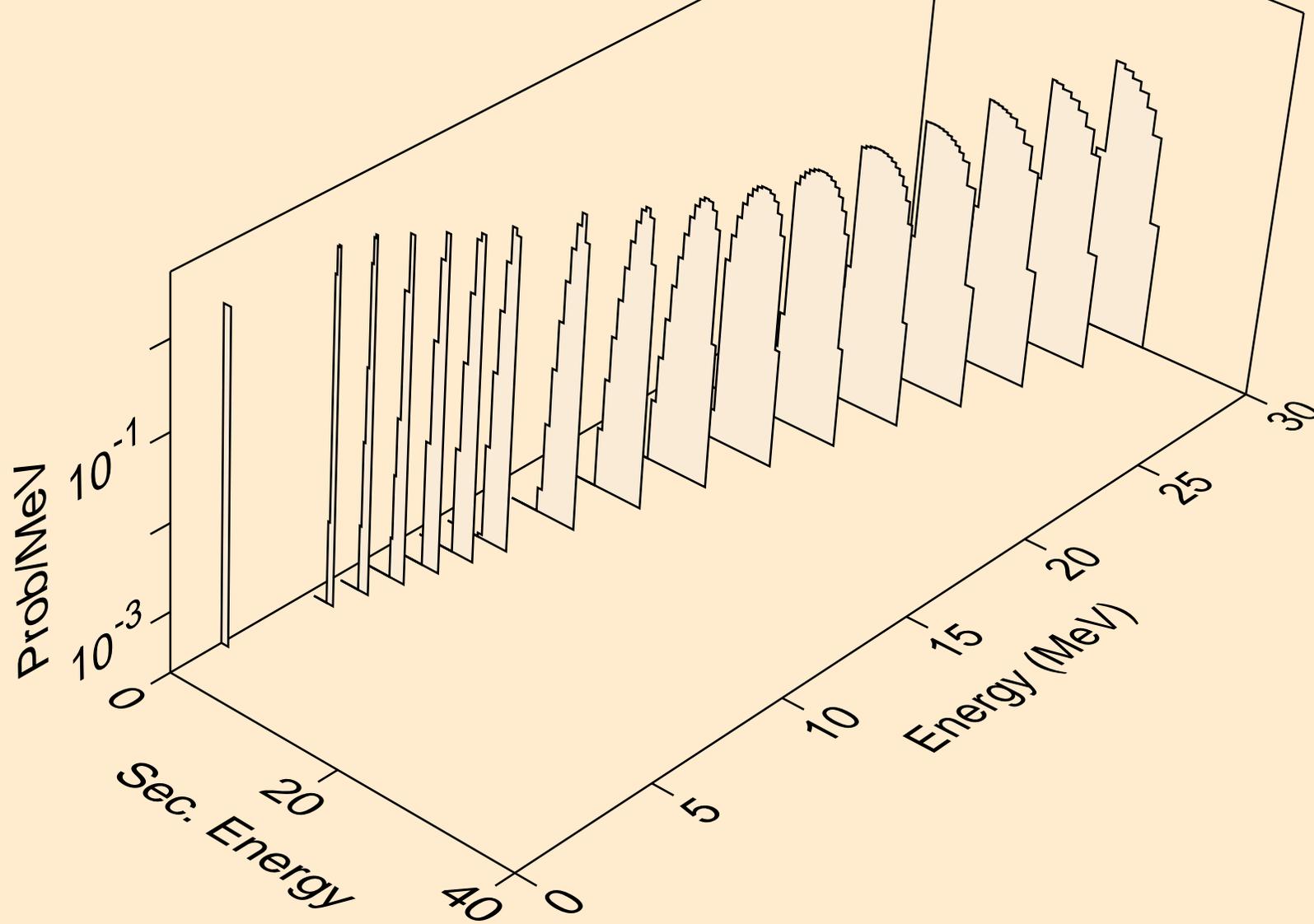deuterons from (p,da)

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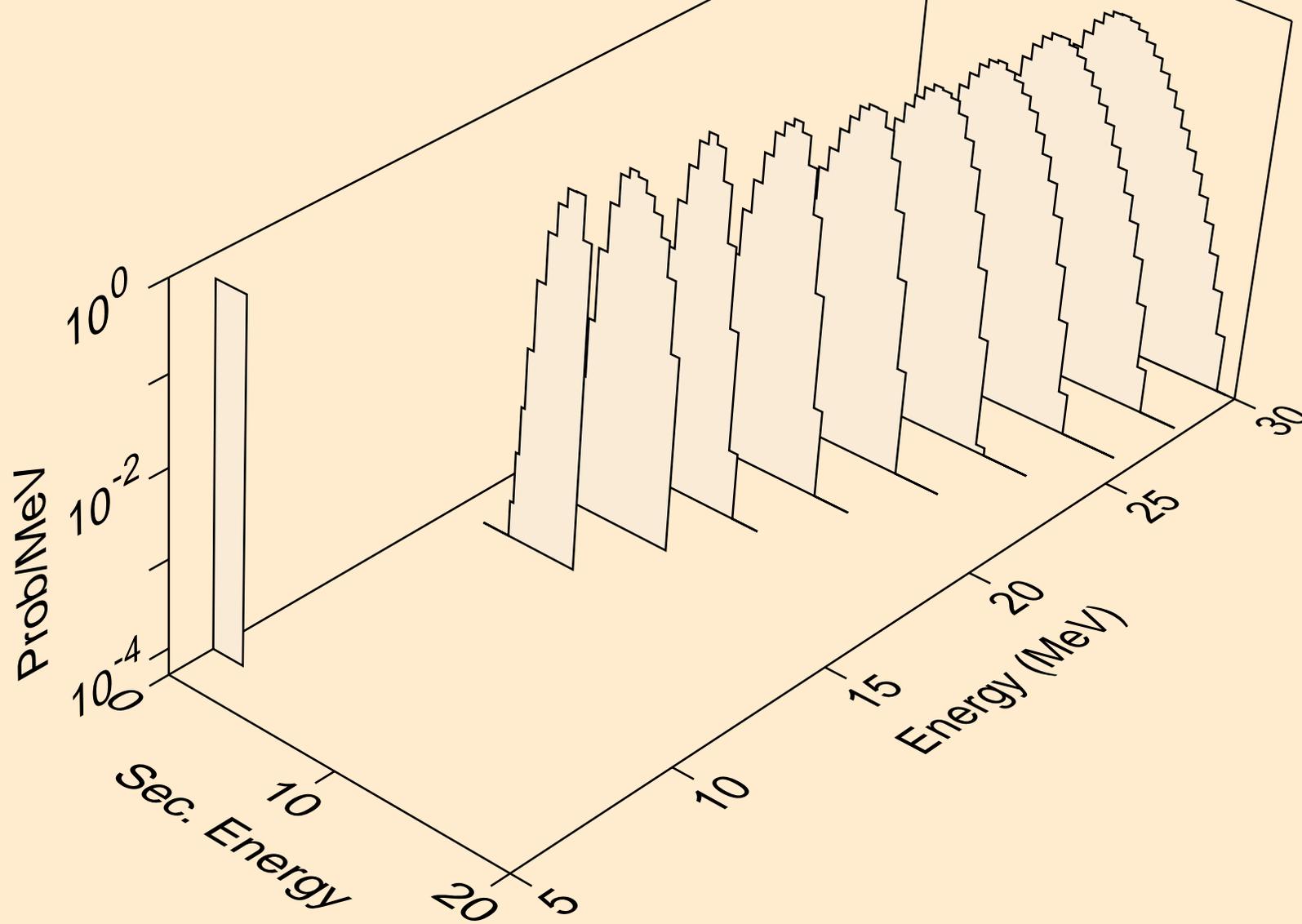tritons from (p,x)

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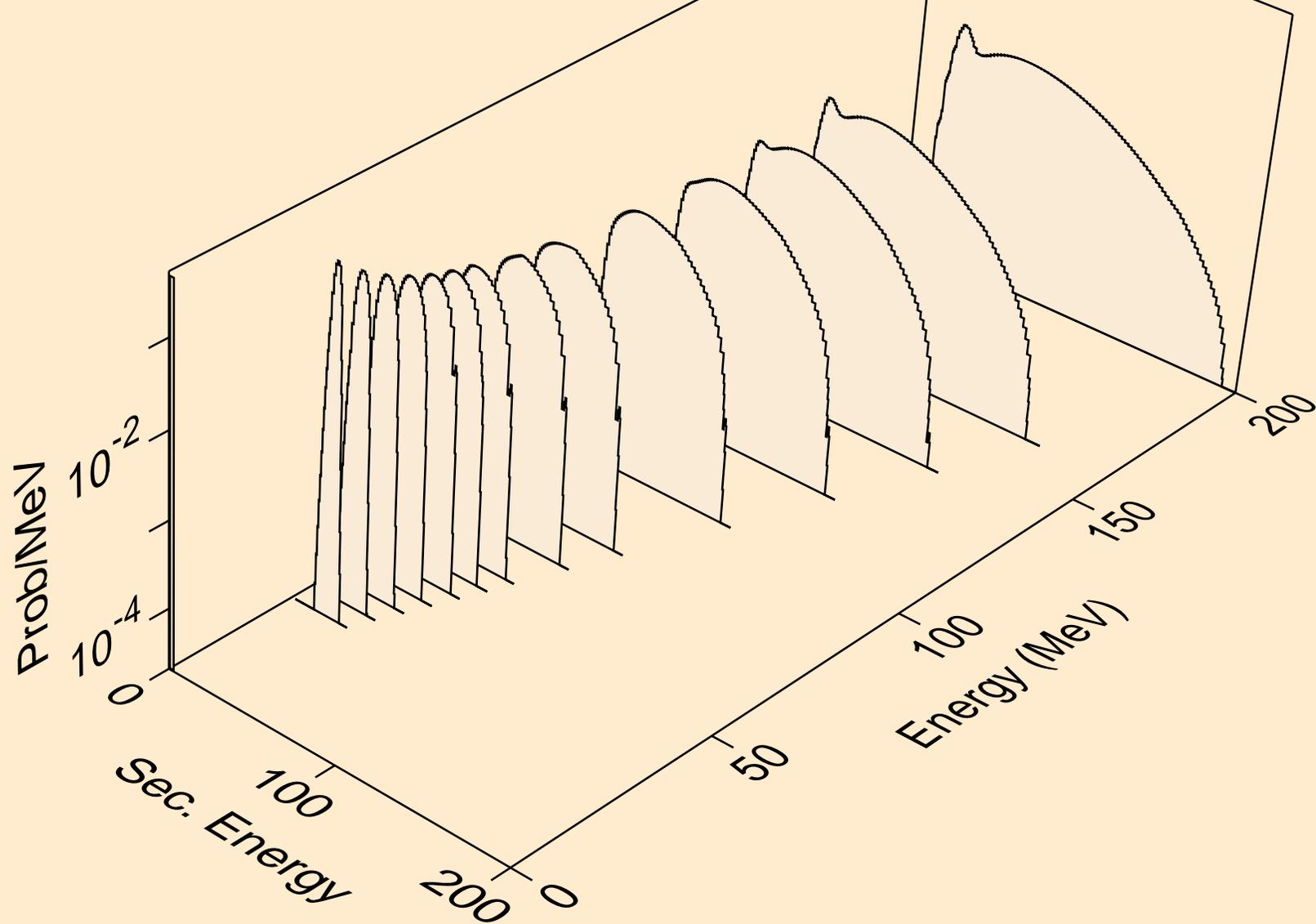tritons from (p,n*)t

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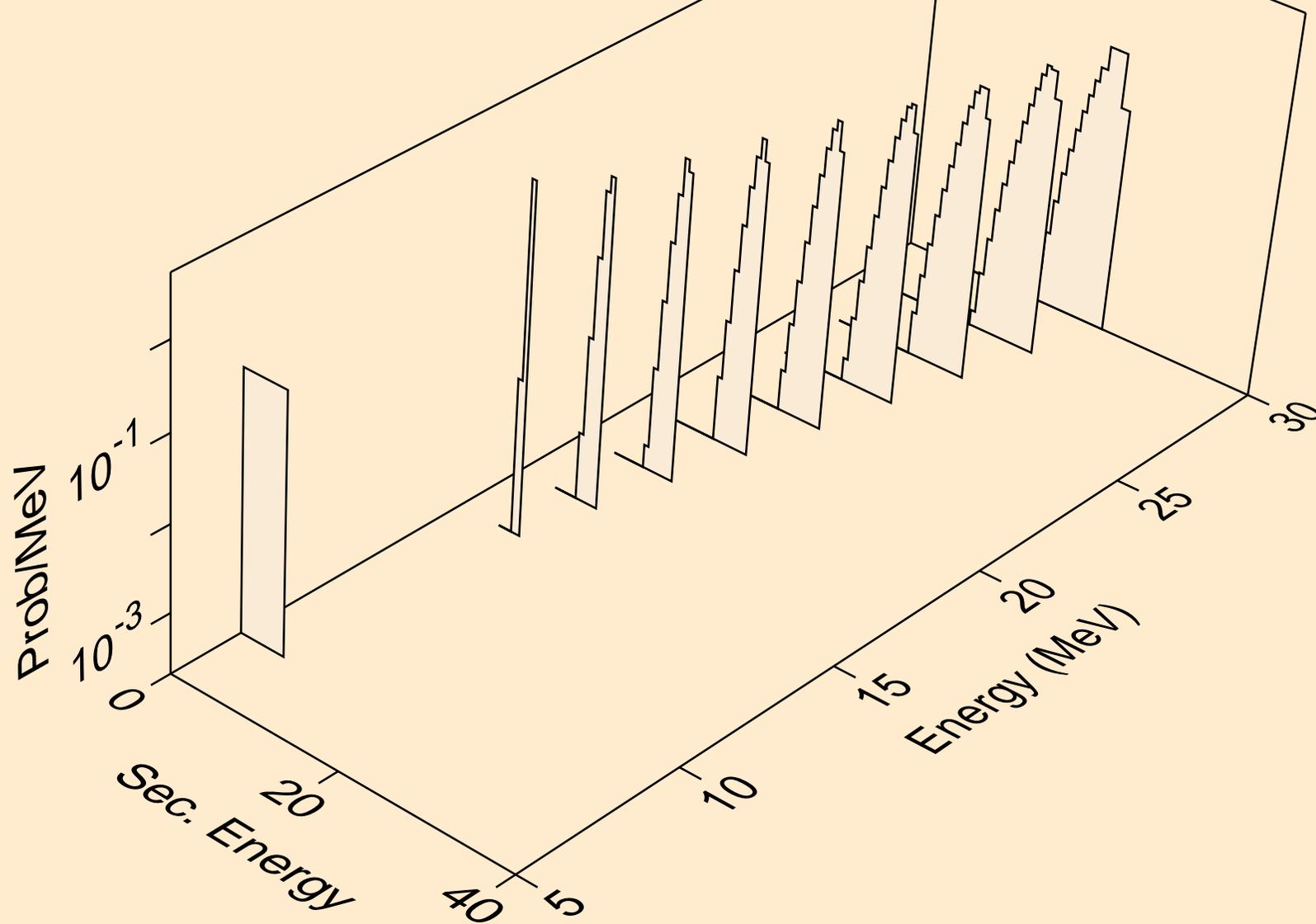tritons from (p,t)

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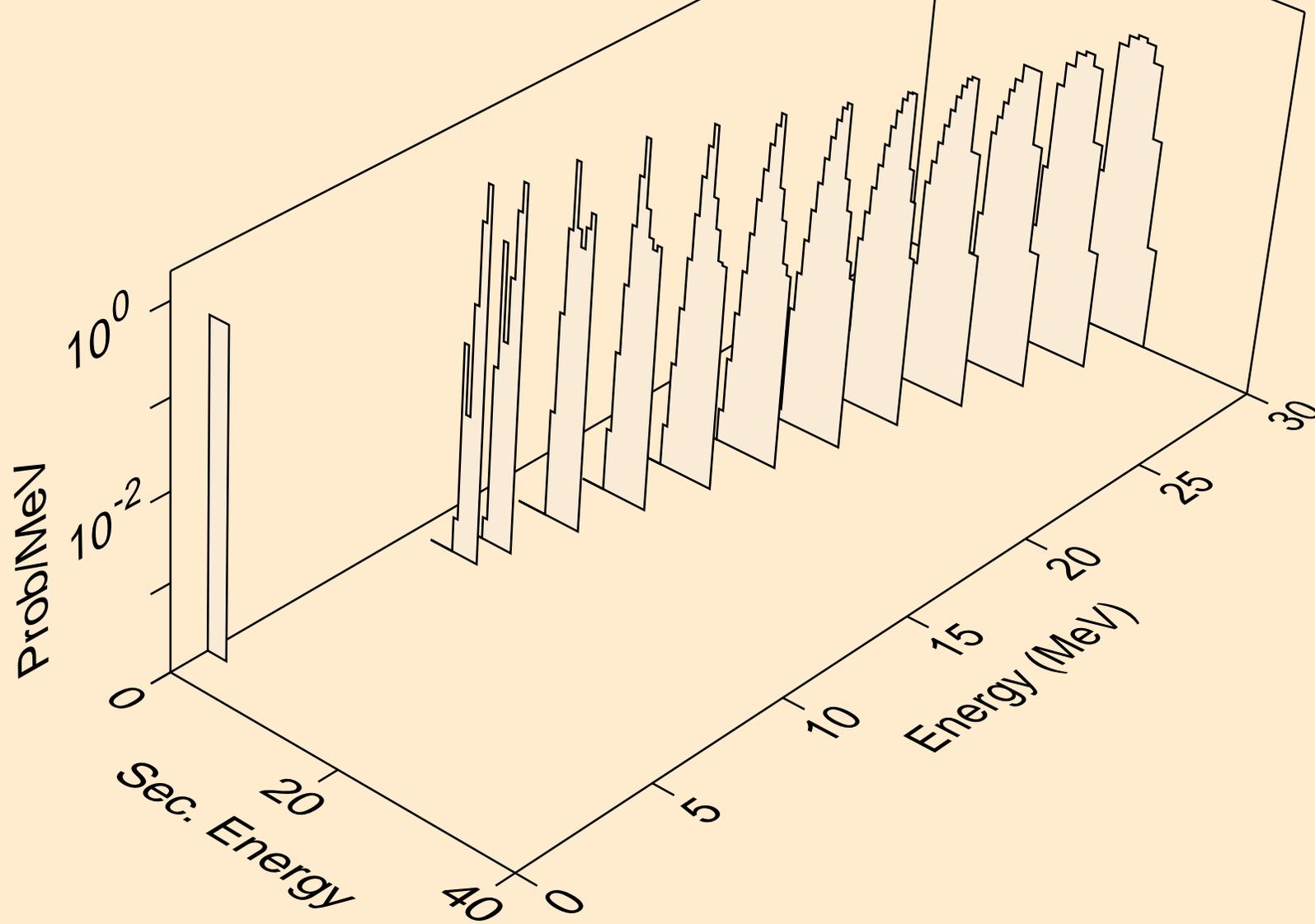tritons from (p,pt)

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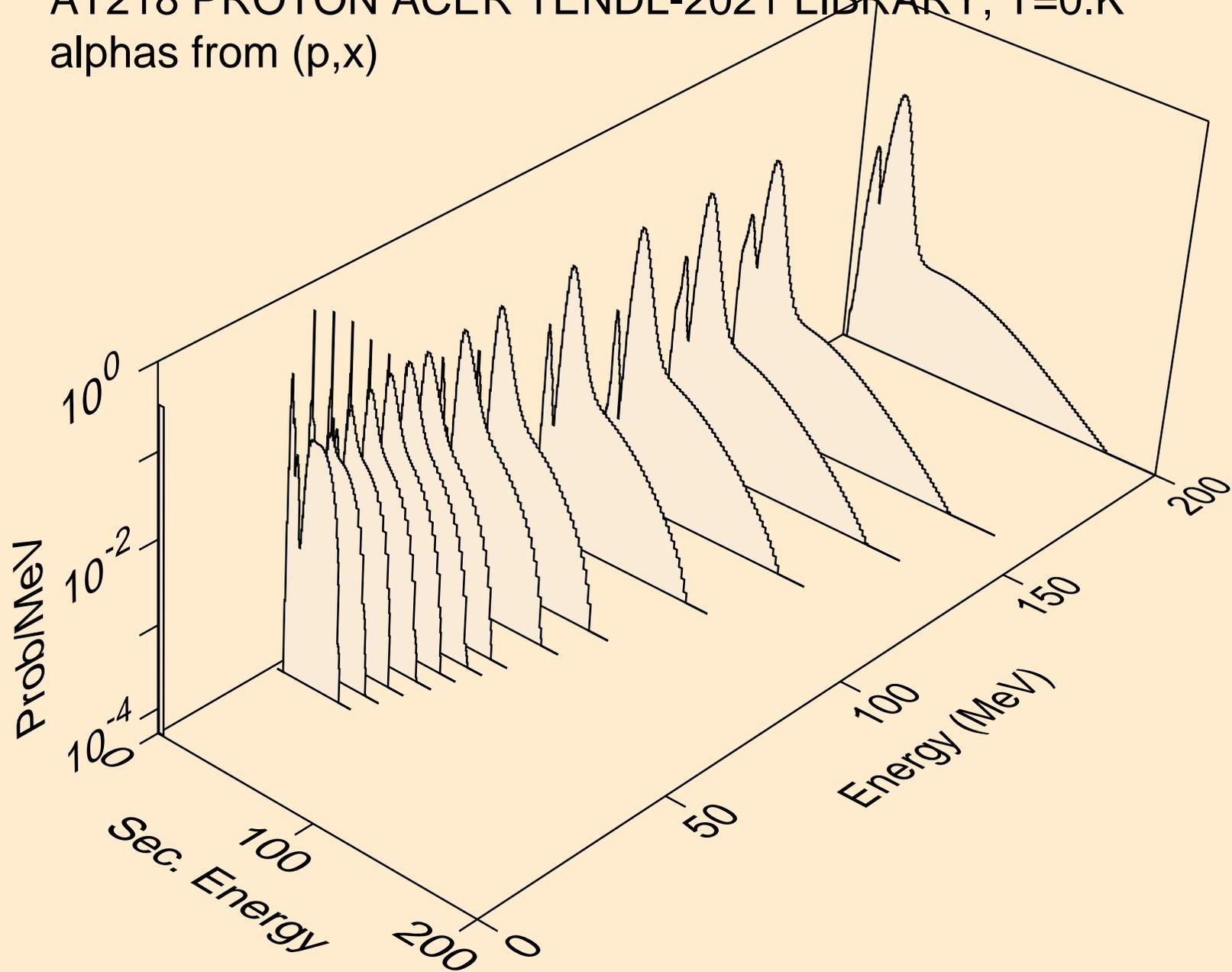he3s from (p,x)

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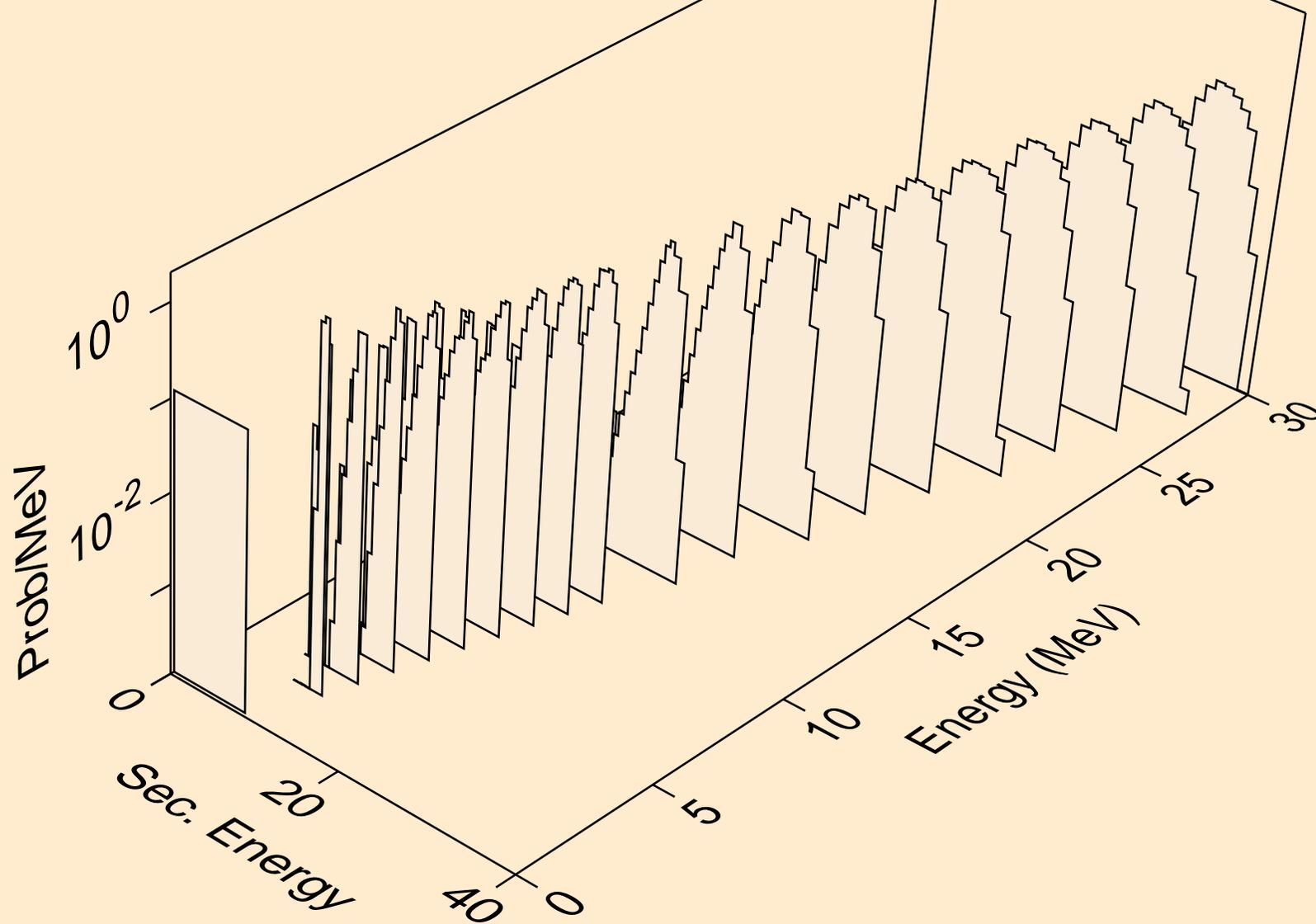he3s from (p,n*)he3

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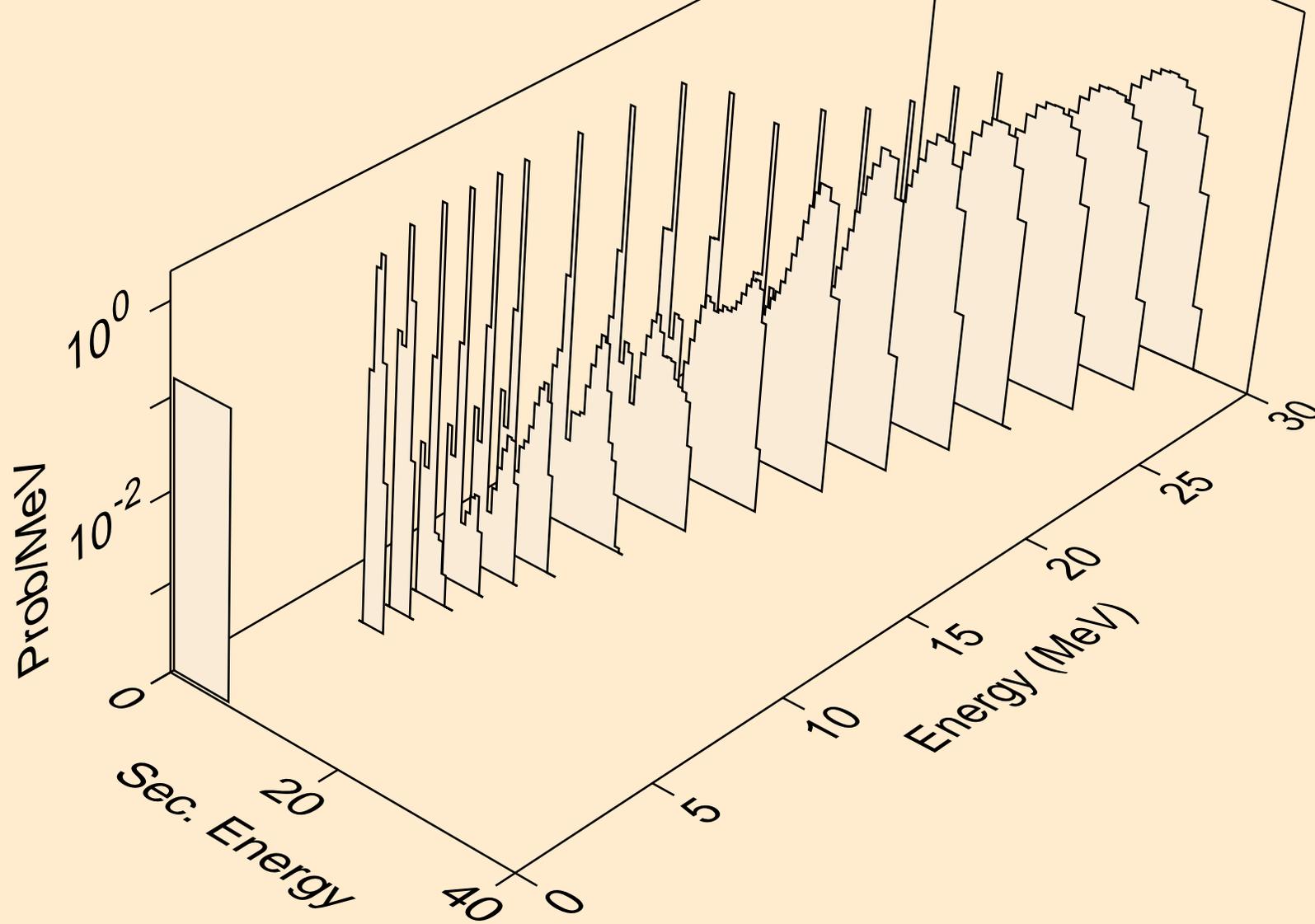he3s from (p,he3)

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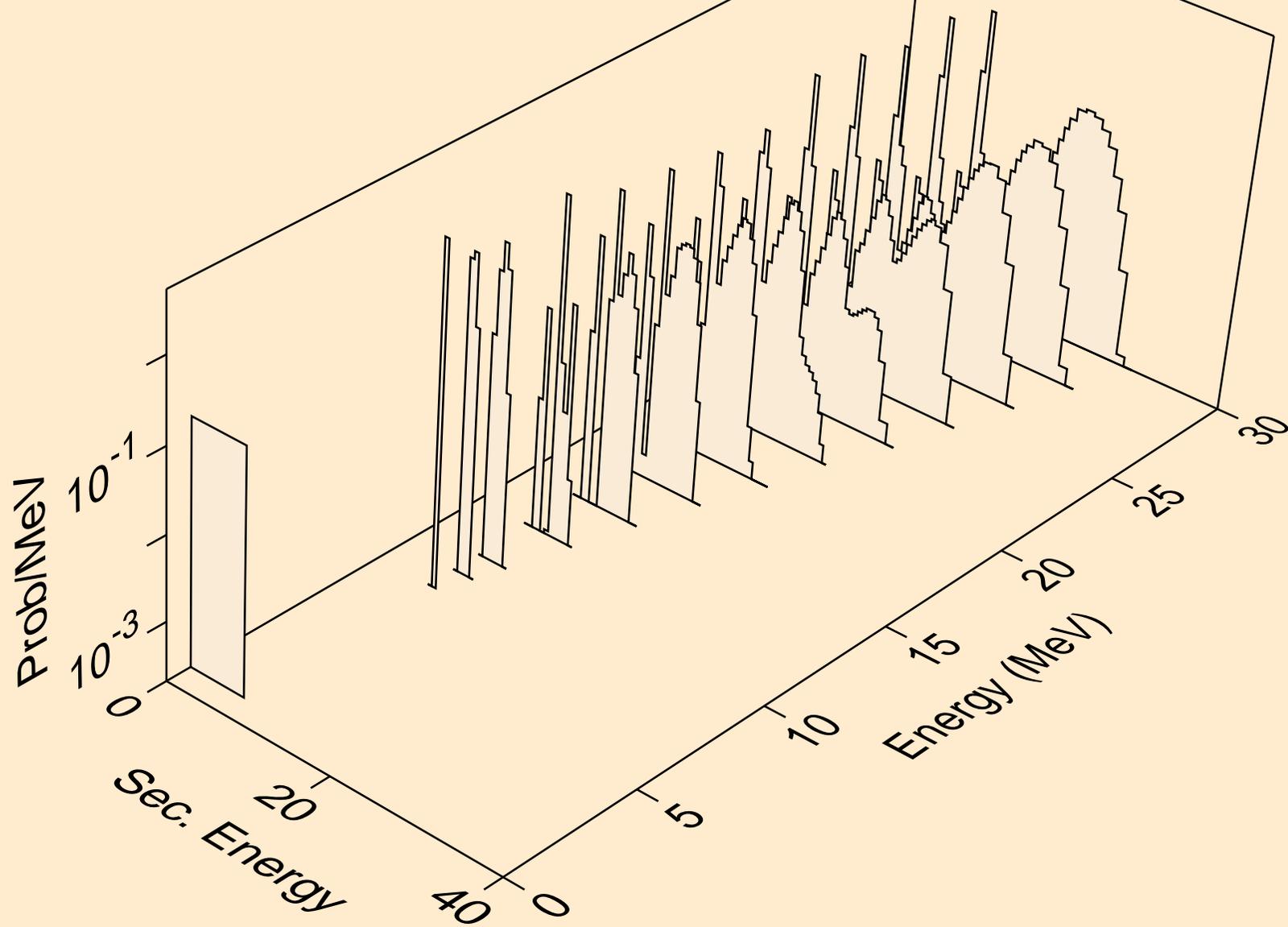alphas from (p,x)

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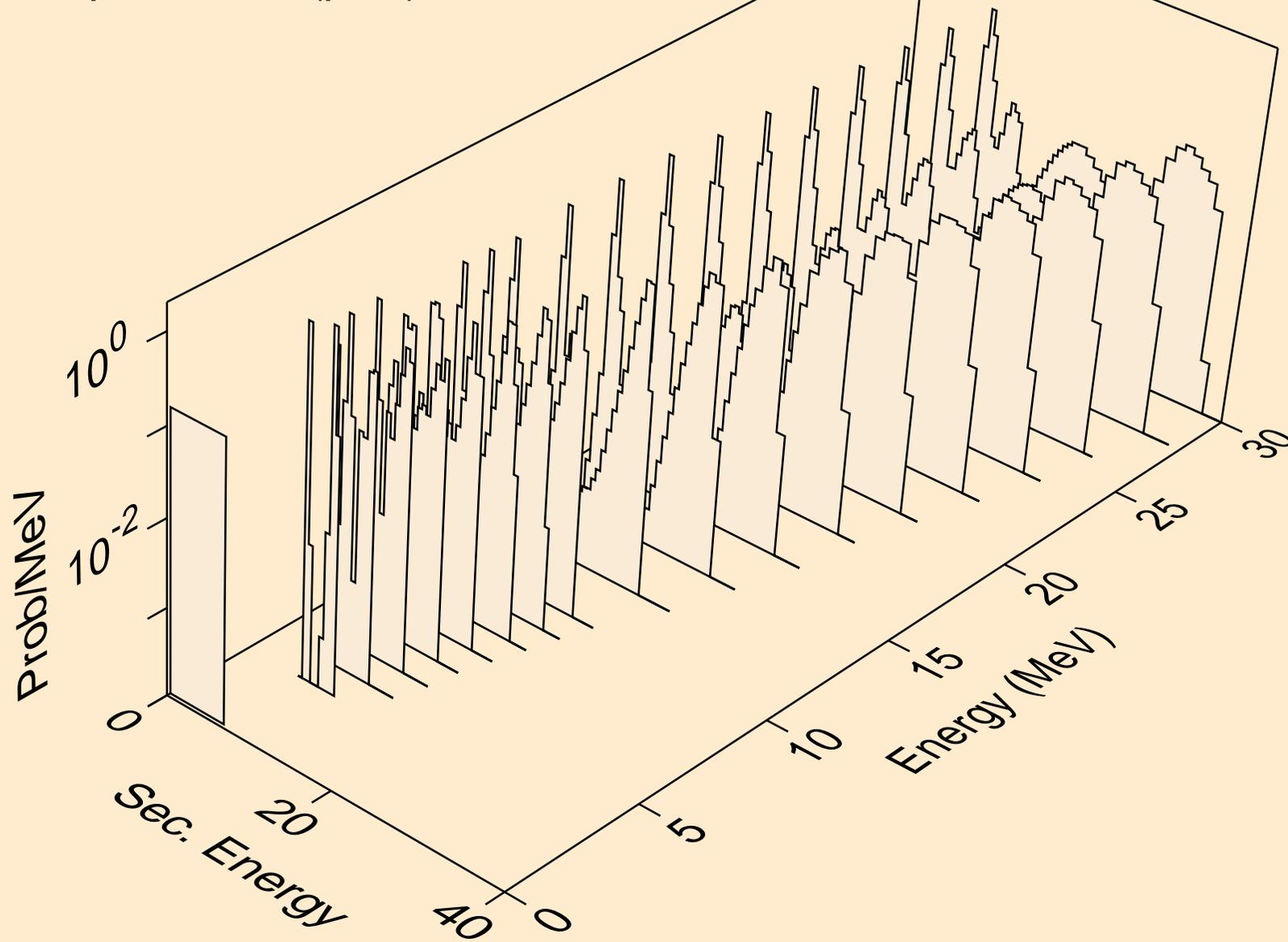alphas from (p,n*)a

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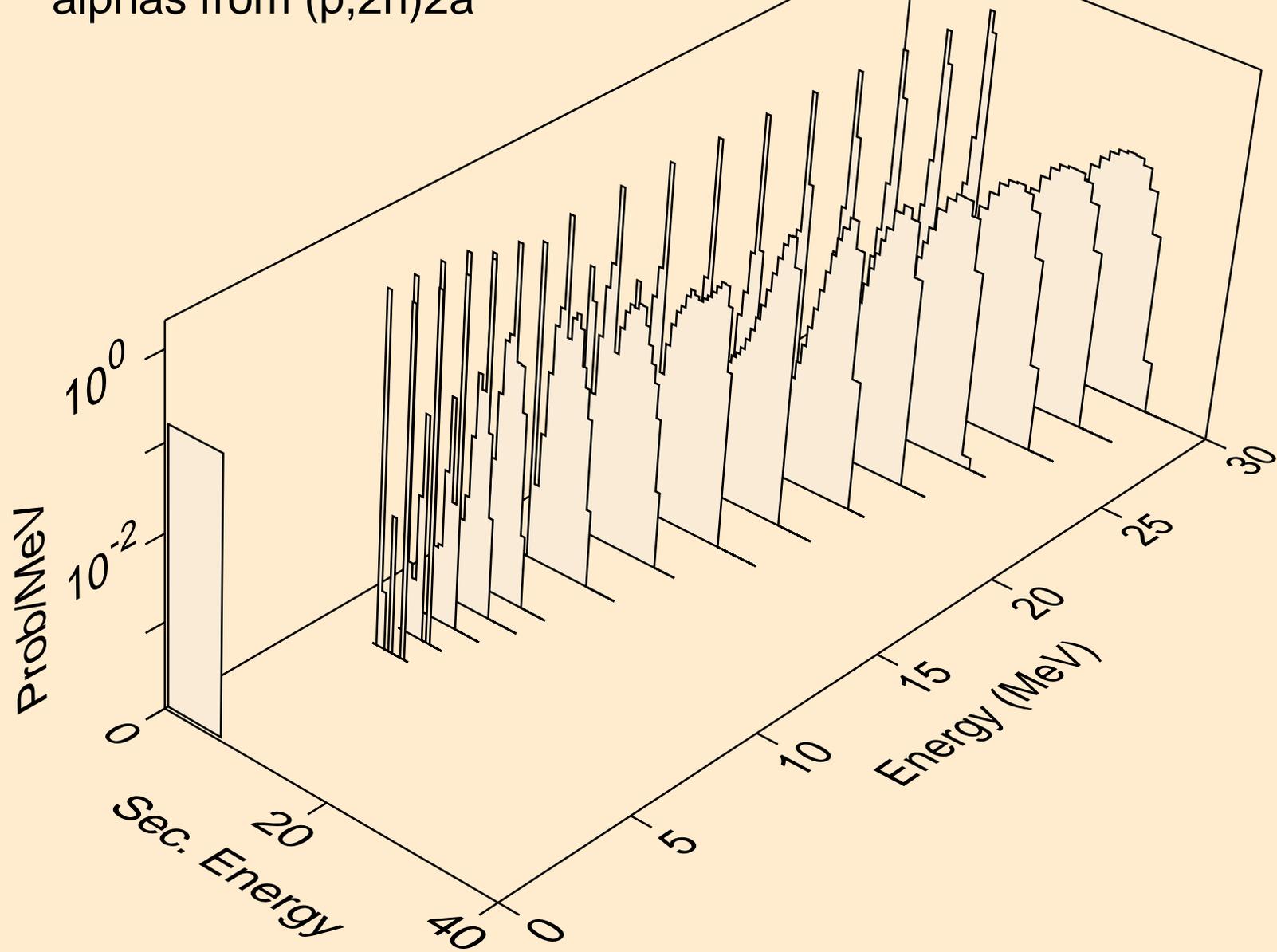alphas from (p,2n)a

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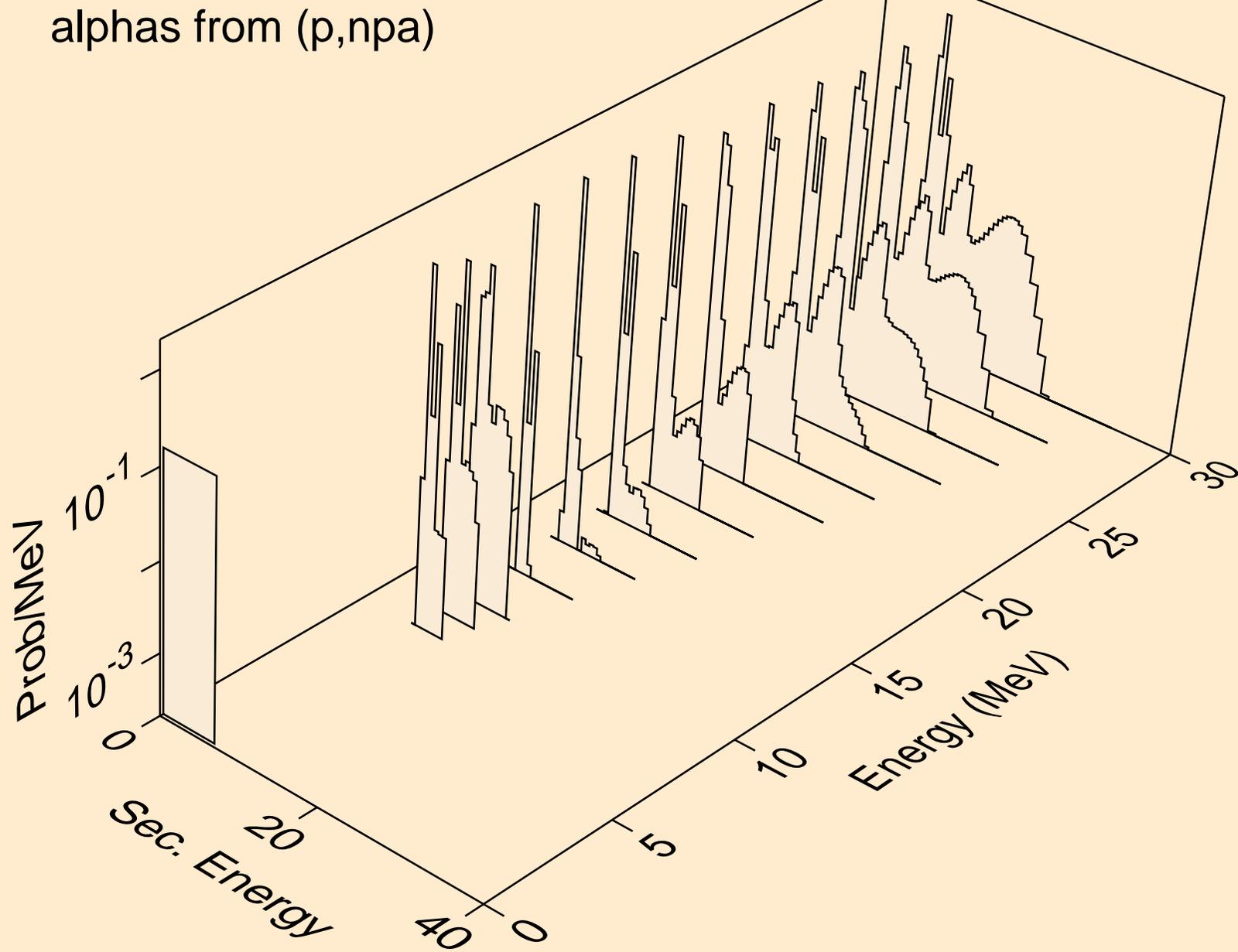alphas from (p,3n)a

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,n*)2a

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,2n)2a

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,npa)

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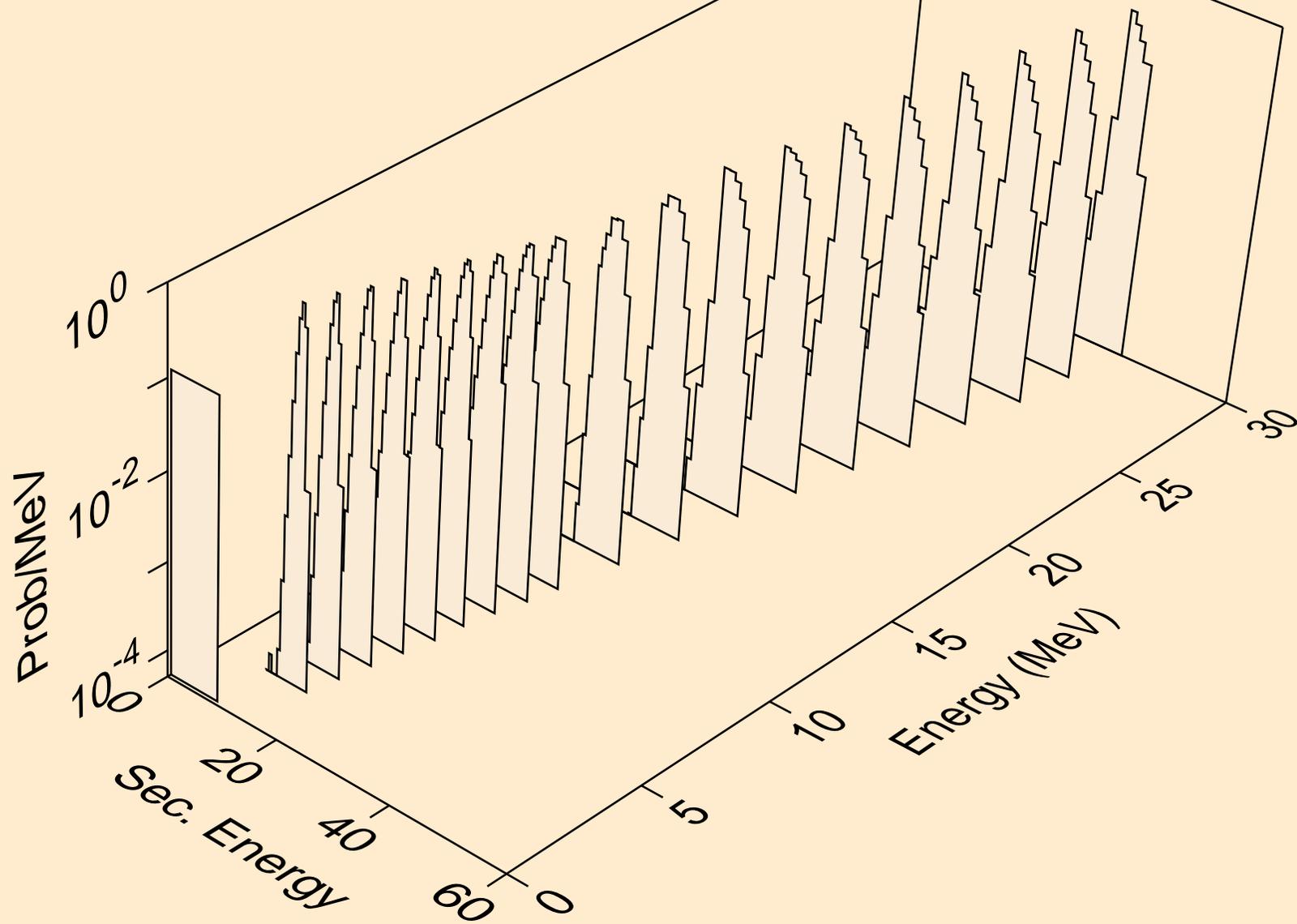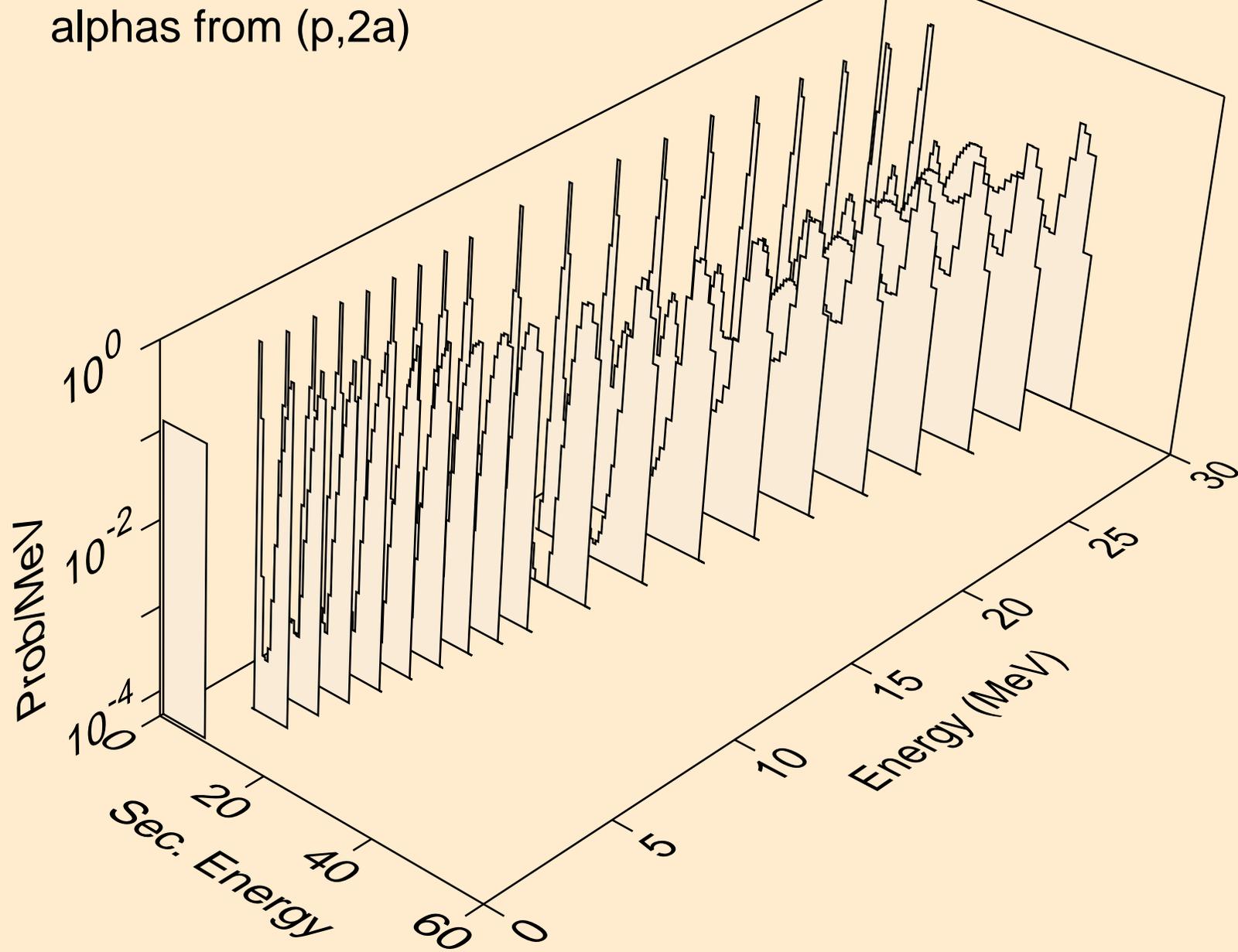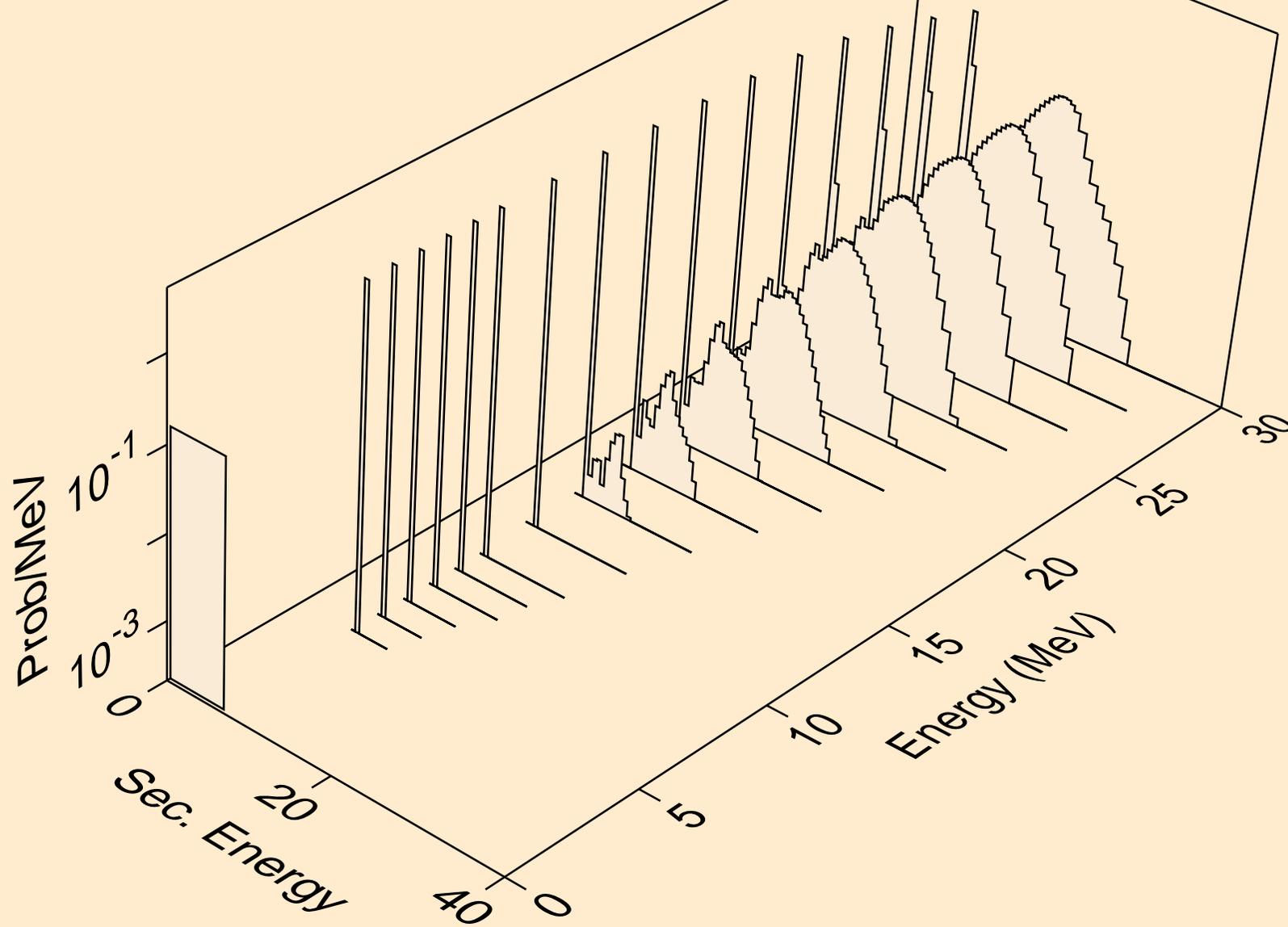
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alphas from (p,2a)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,pa)

AT218 PROTON ACER TENDL-2021 LIBRARY; T=0.K
alphas from (p,da)