RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections

- total
- absorption
- elastic
- gamma production

Cross section (barns)

Energy (MeV)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Heating

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Principal cross sections

- total
- absorption
- elastic
- gamma production
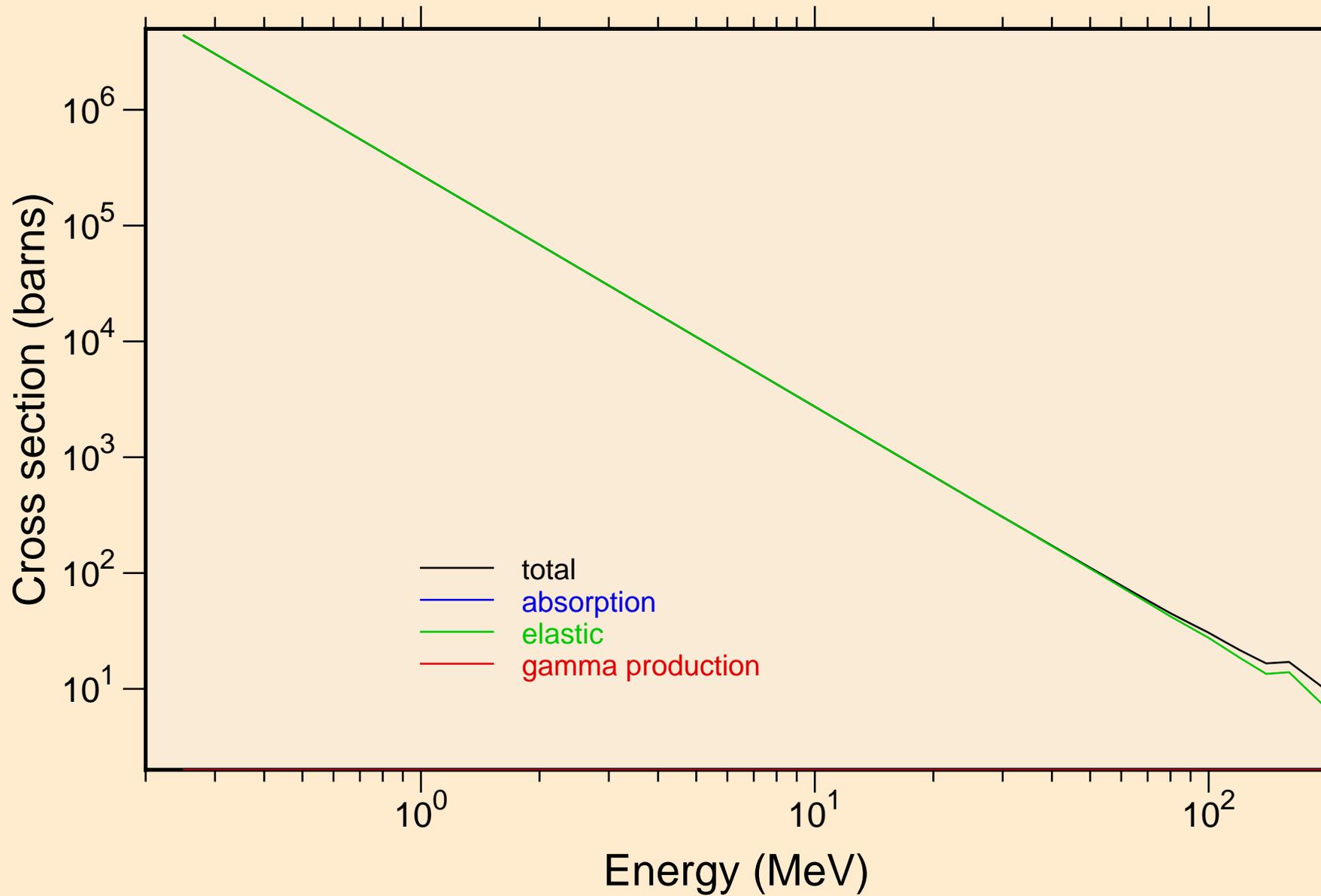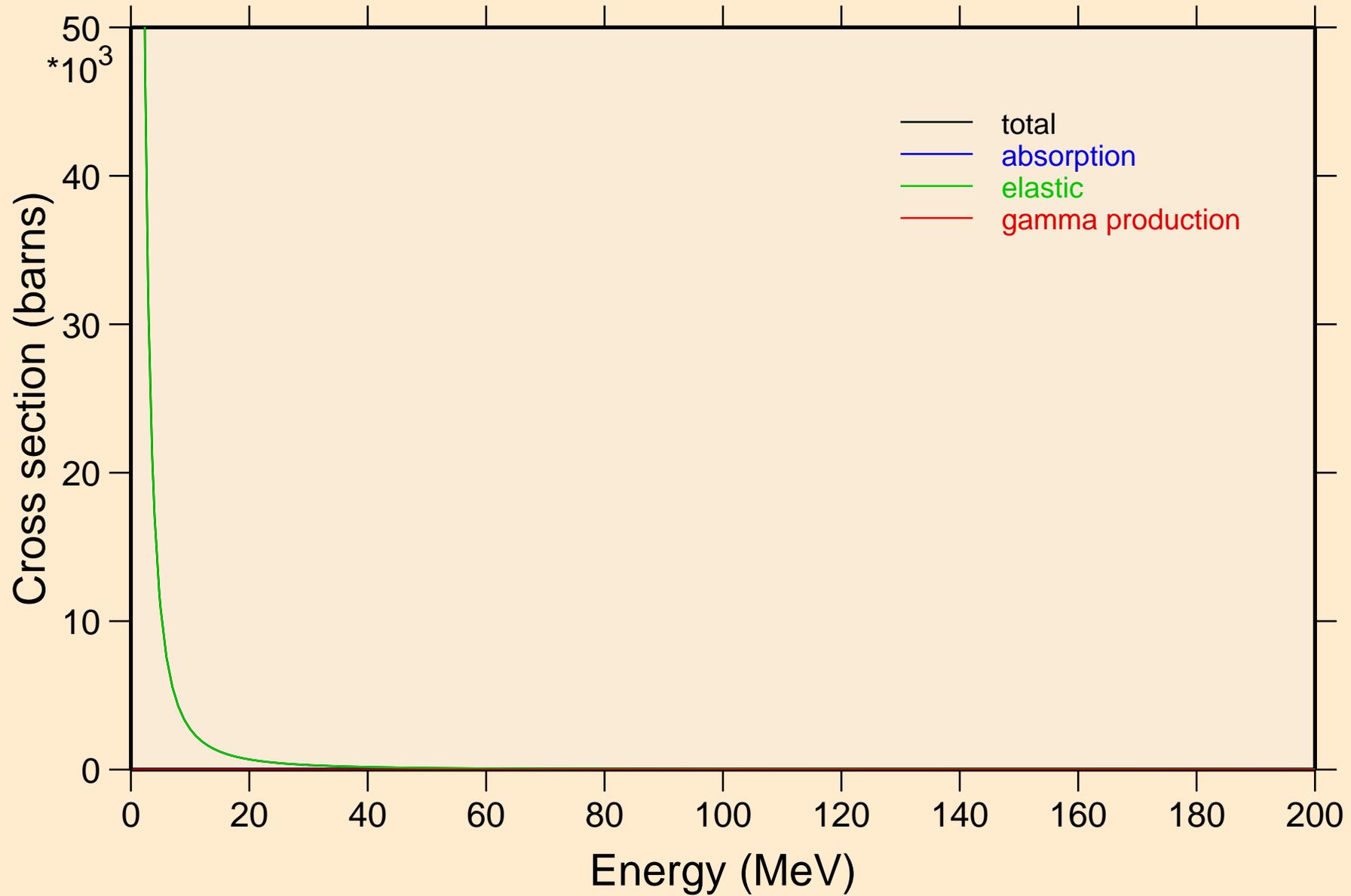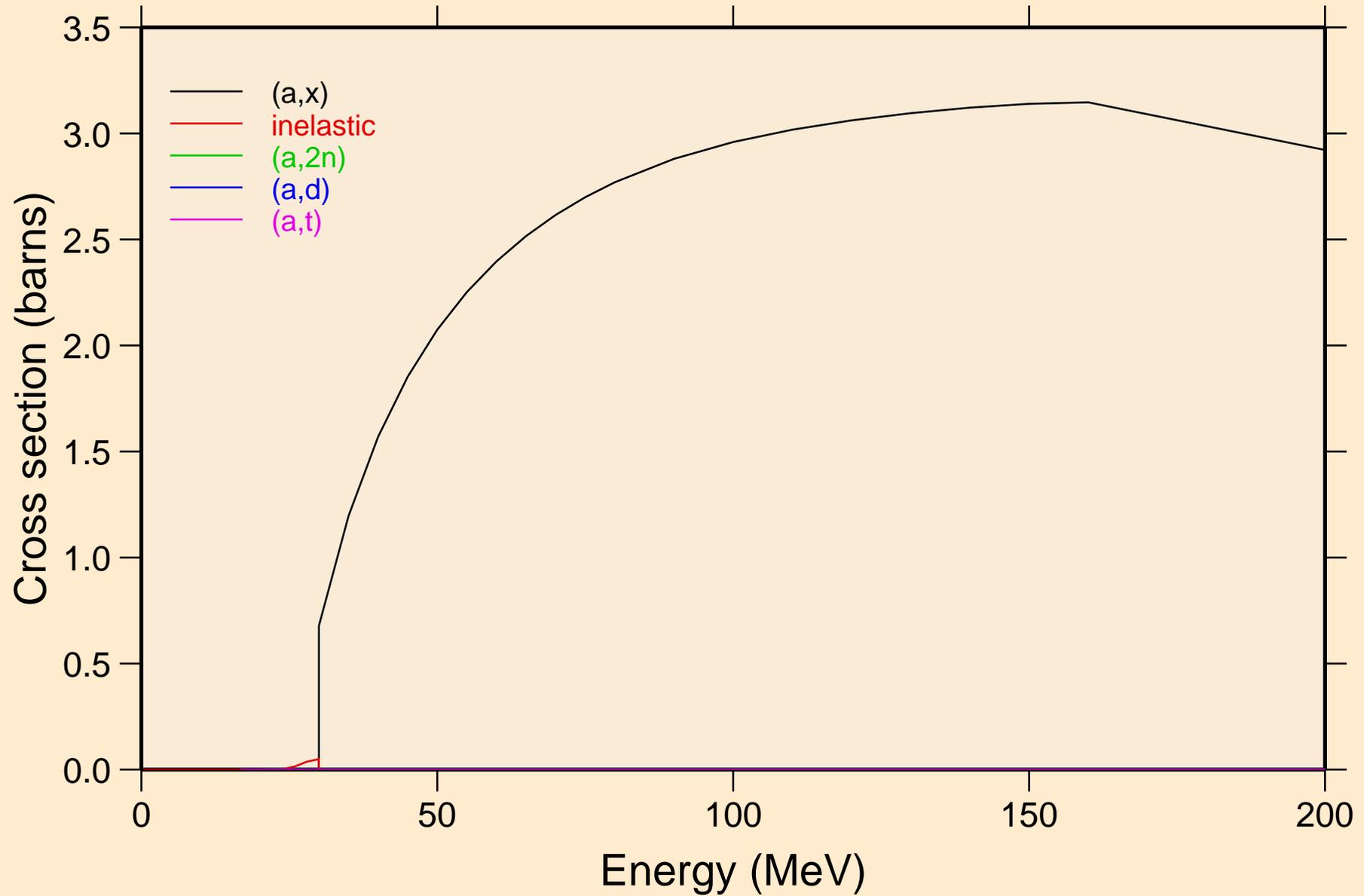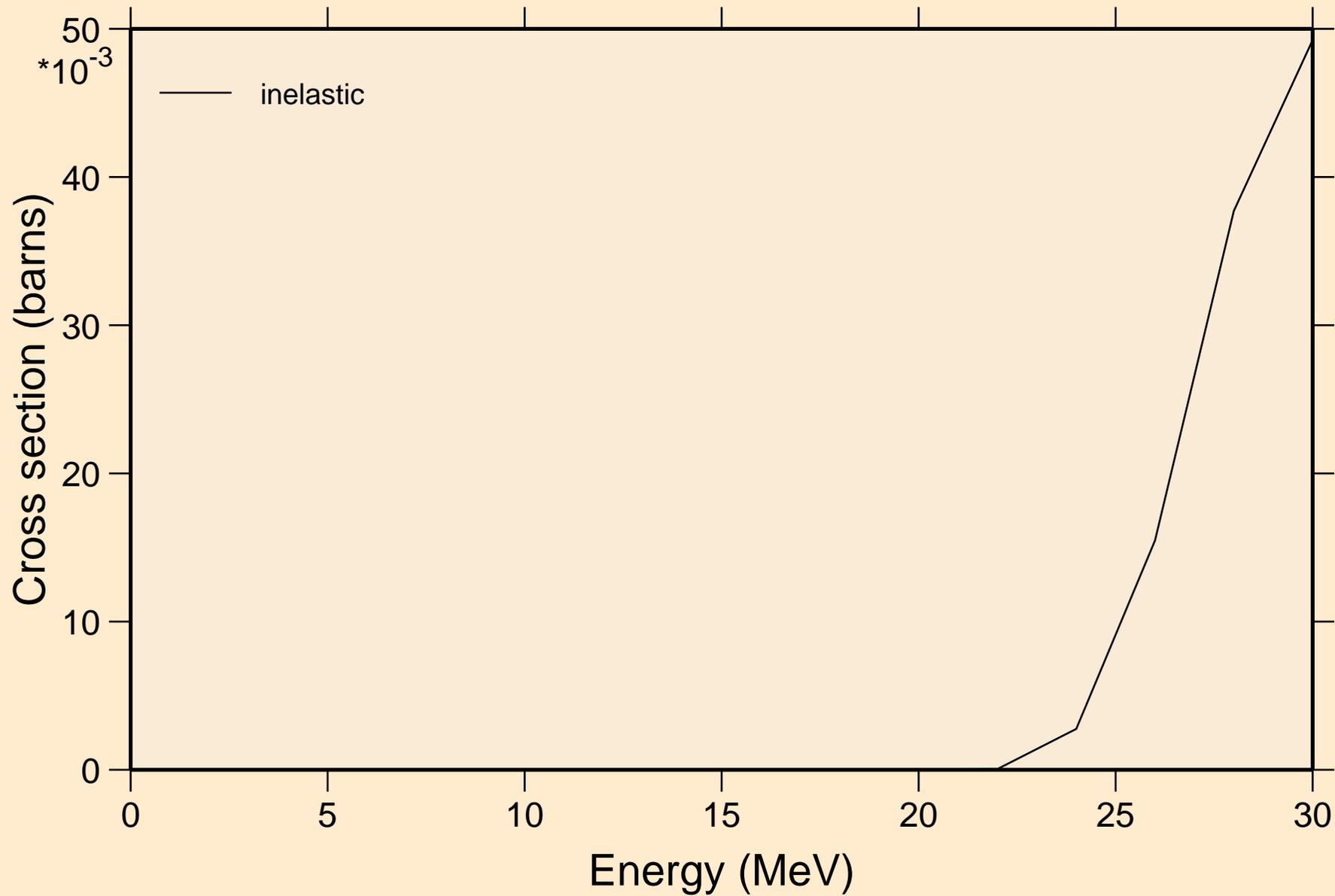
RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Heating

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Threshold reactions

- (a,x)
- inelastic
- (a,2n)
- (a,d)
- (a,t)

Cross section (barns) vs Energy (MeV)
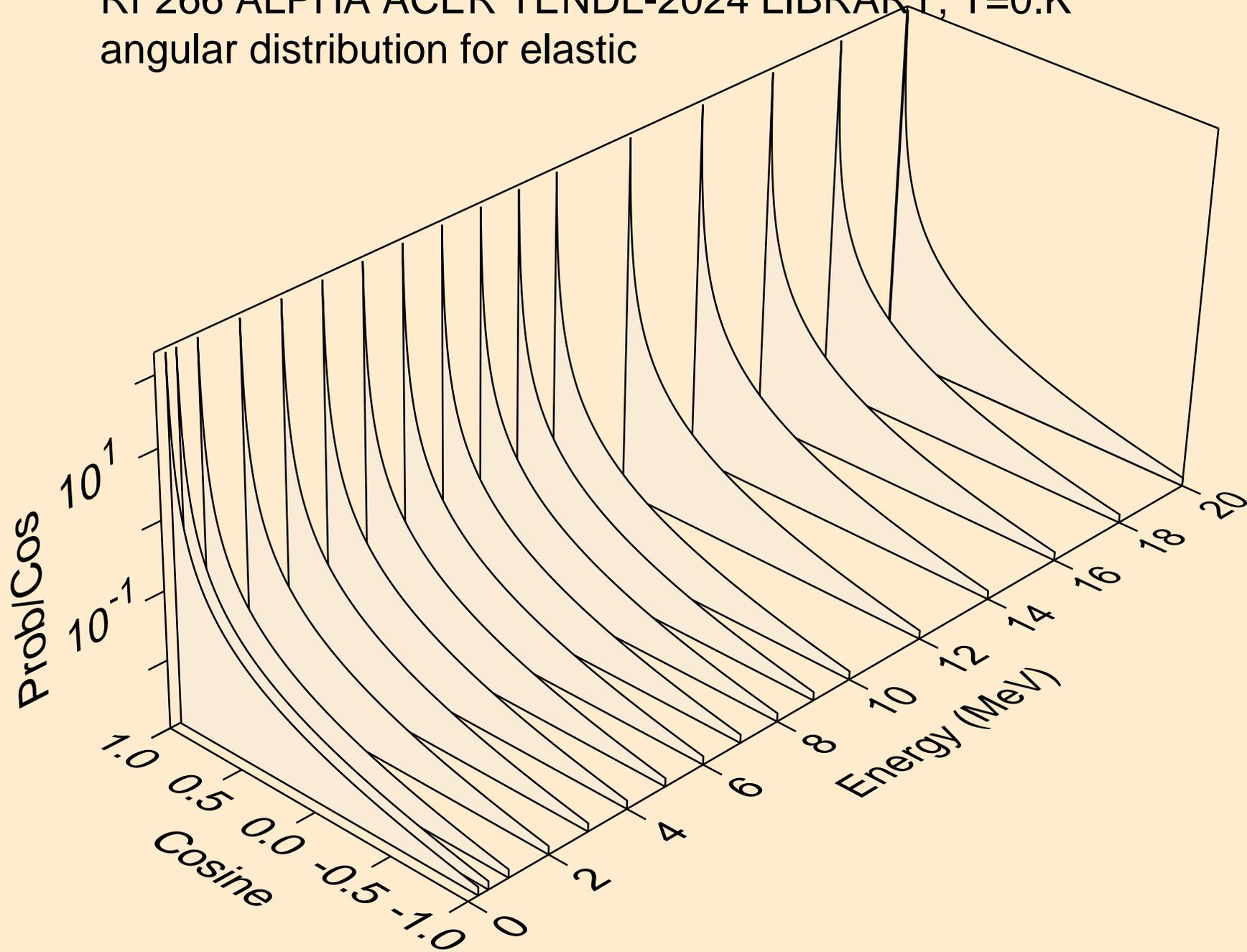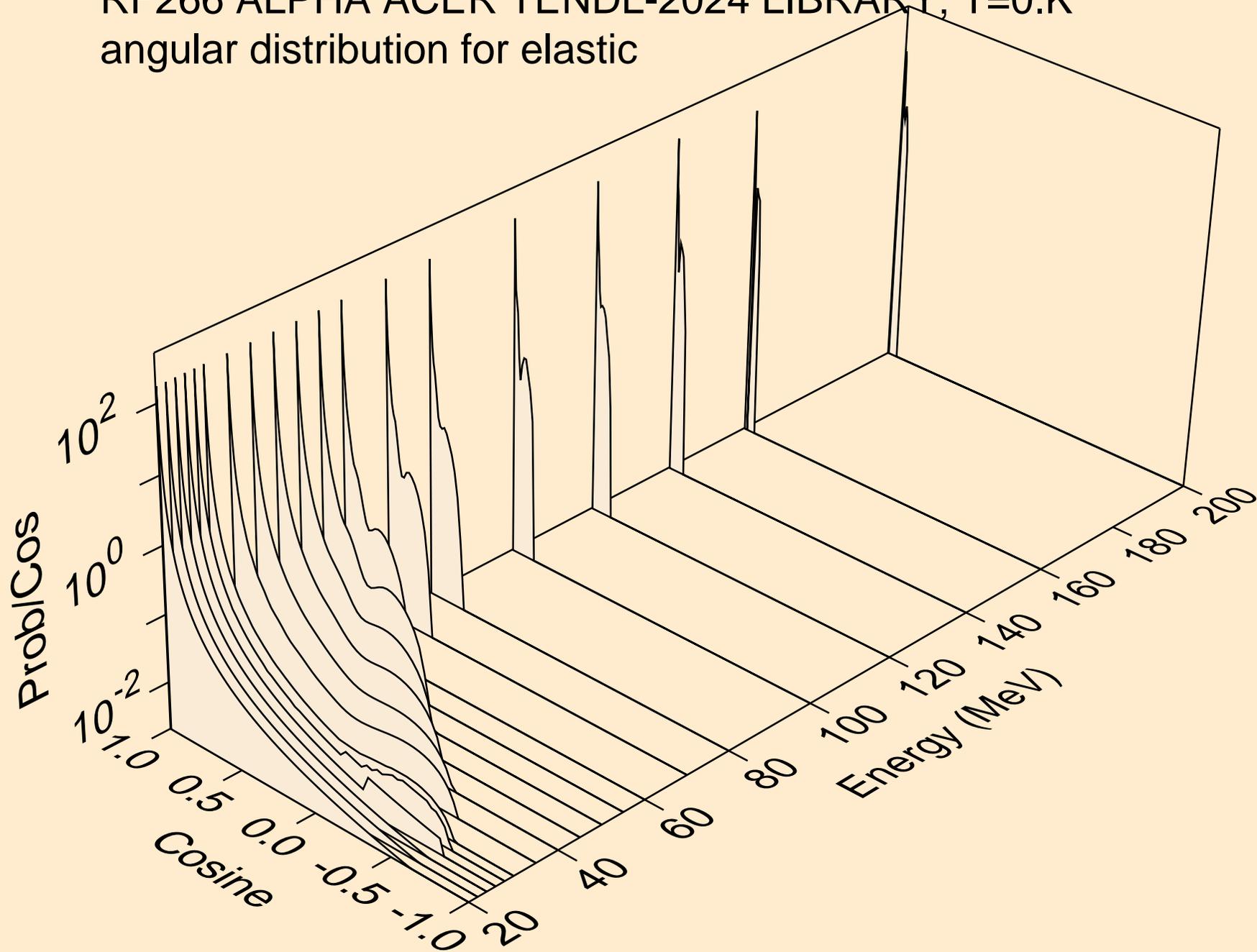
RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
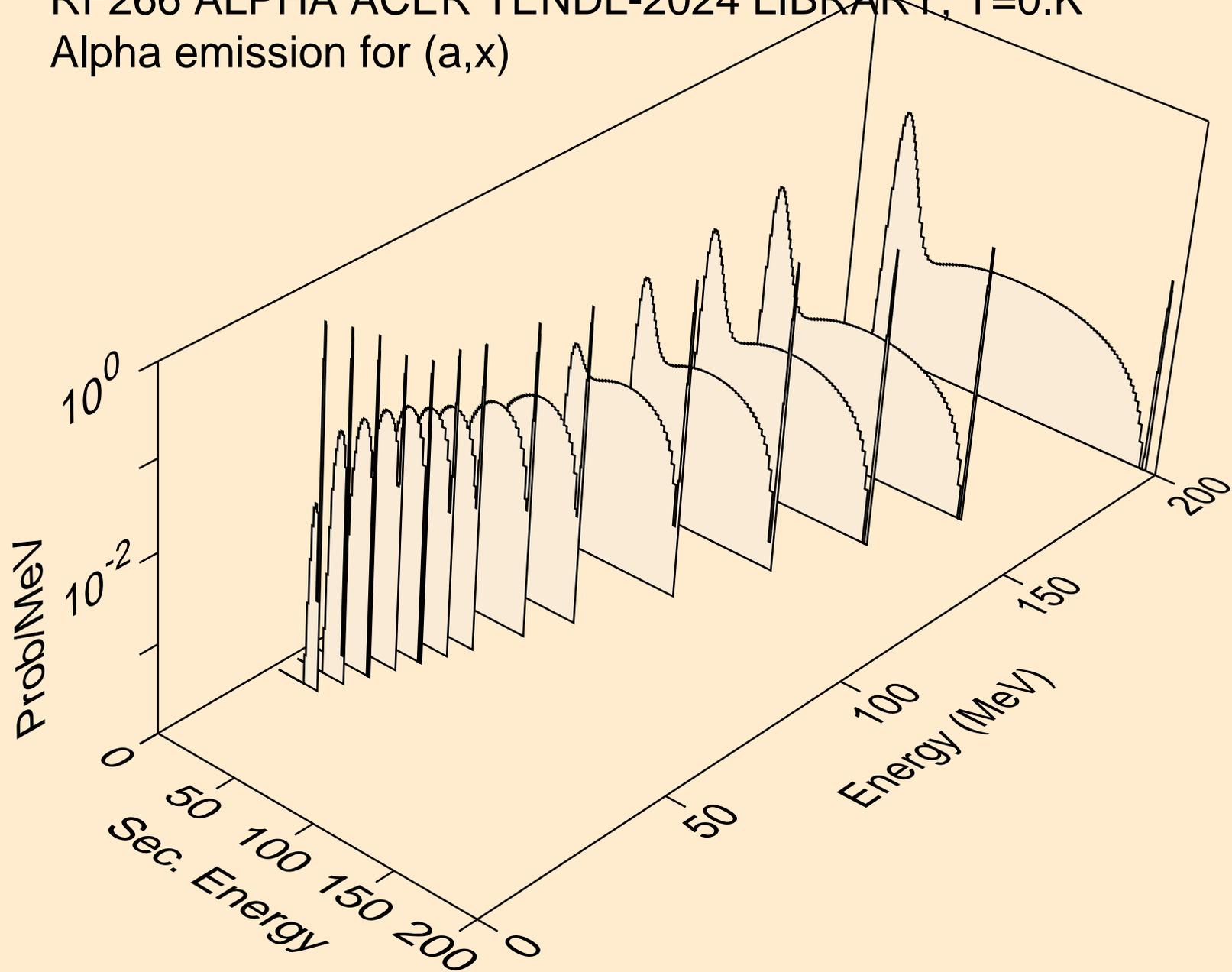Threshold reactions

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
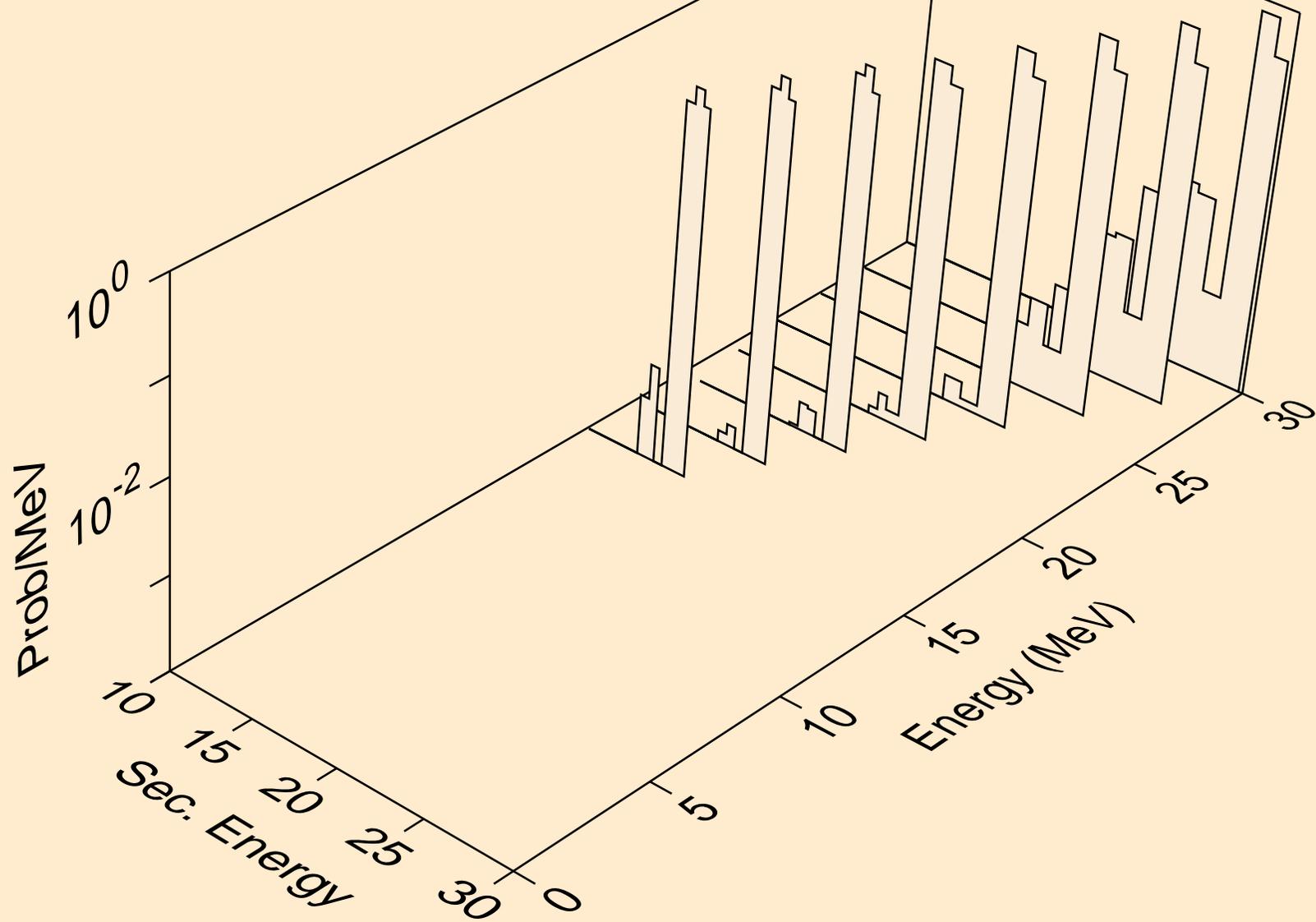angular distribution for elastic

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
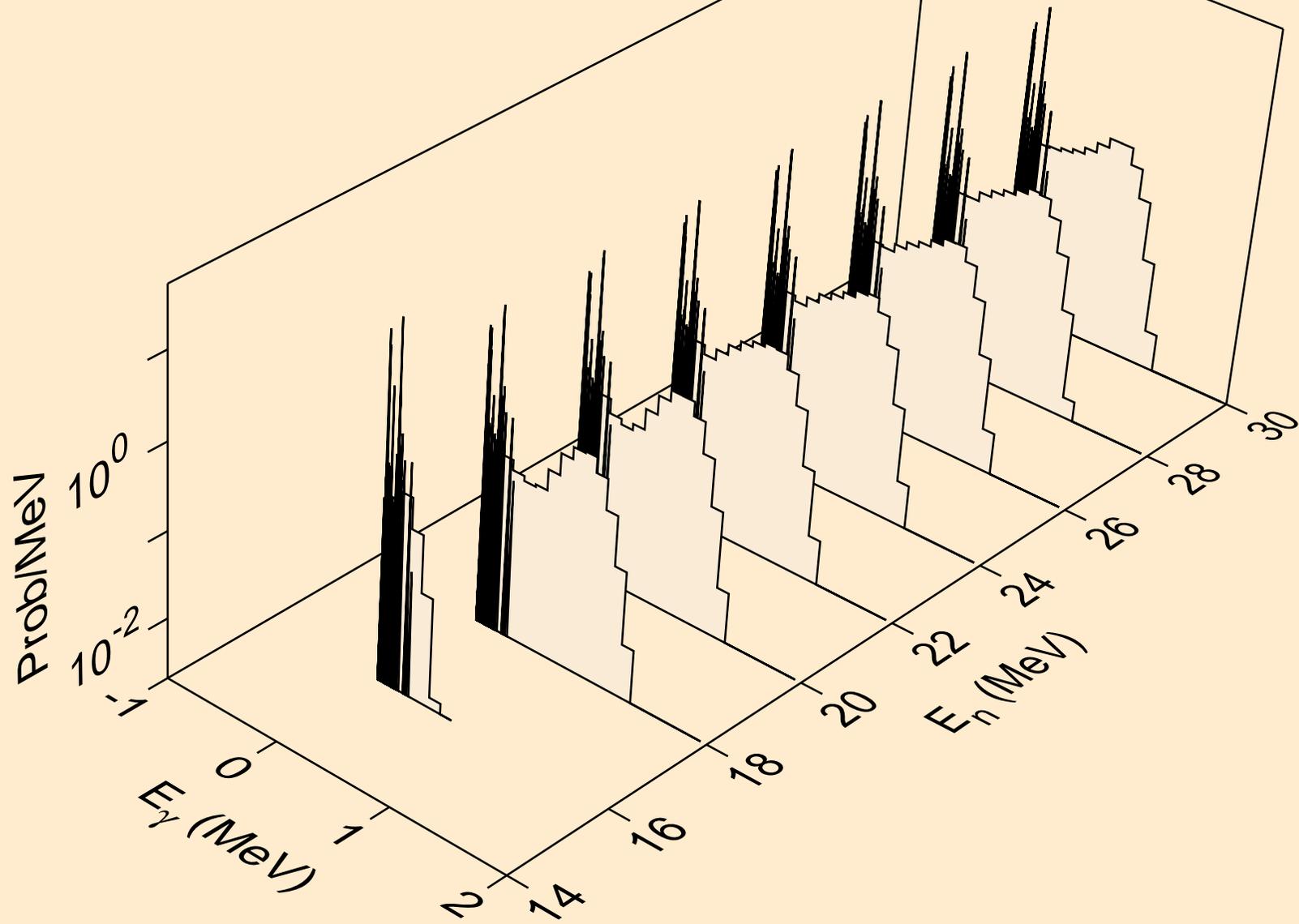angular distribution for elastic

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
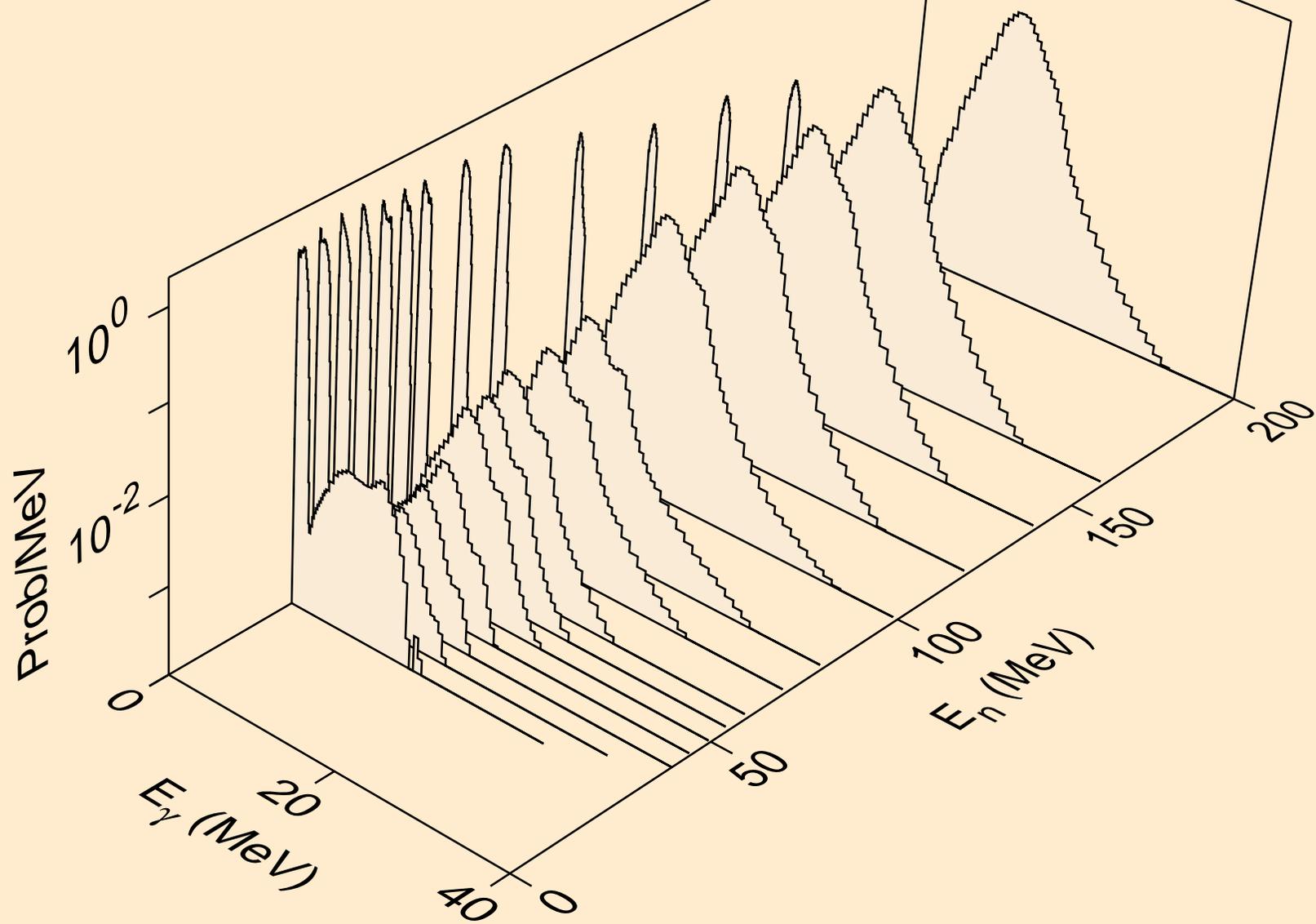Alpha emission for (a,x)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
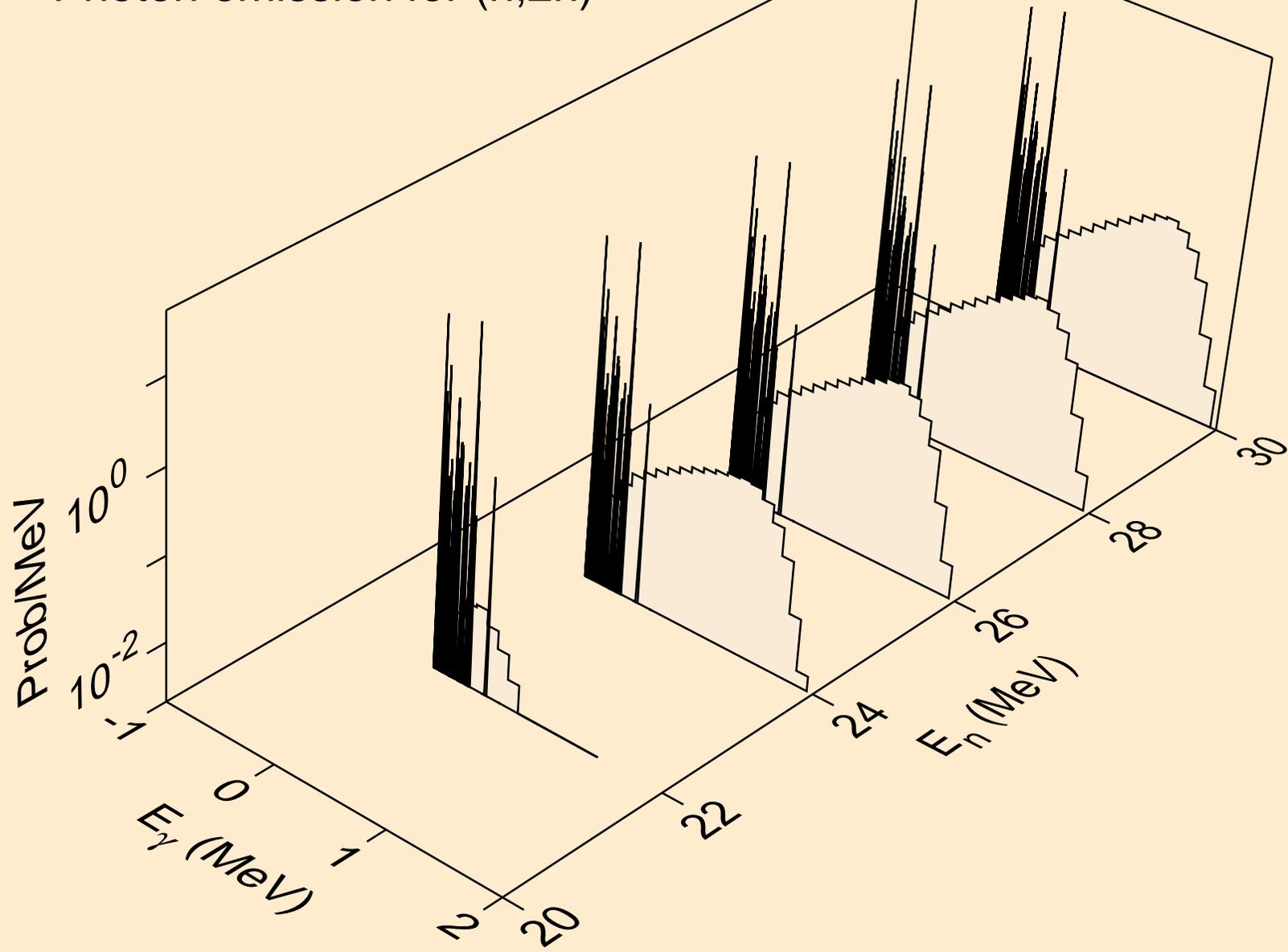Alpha emission for inelastic

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
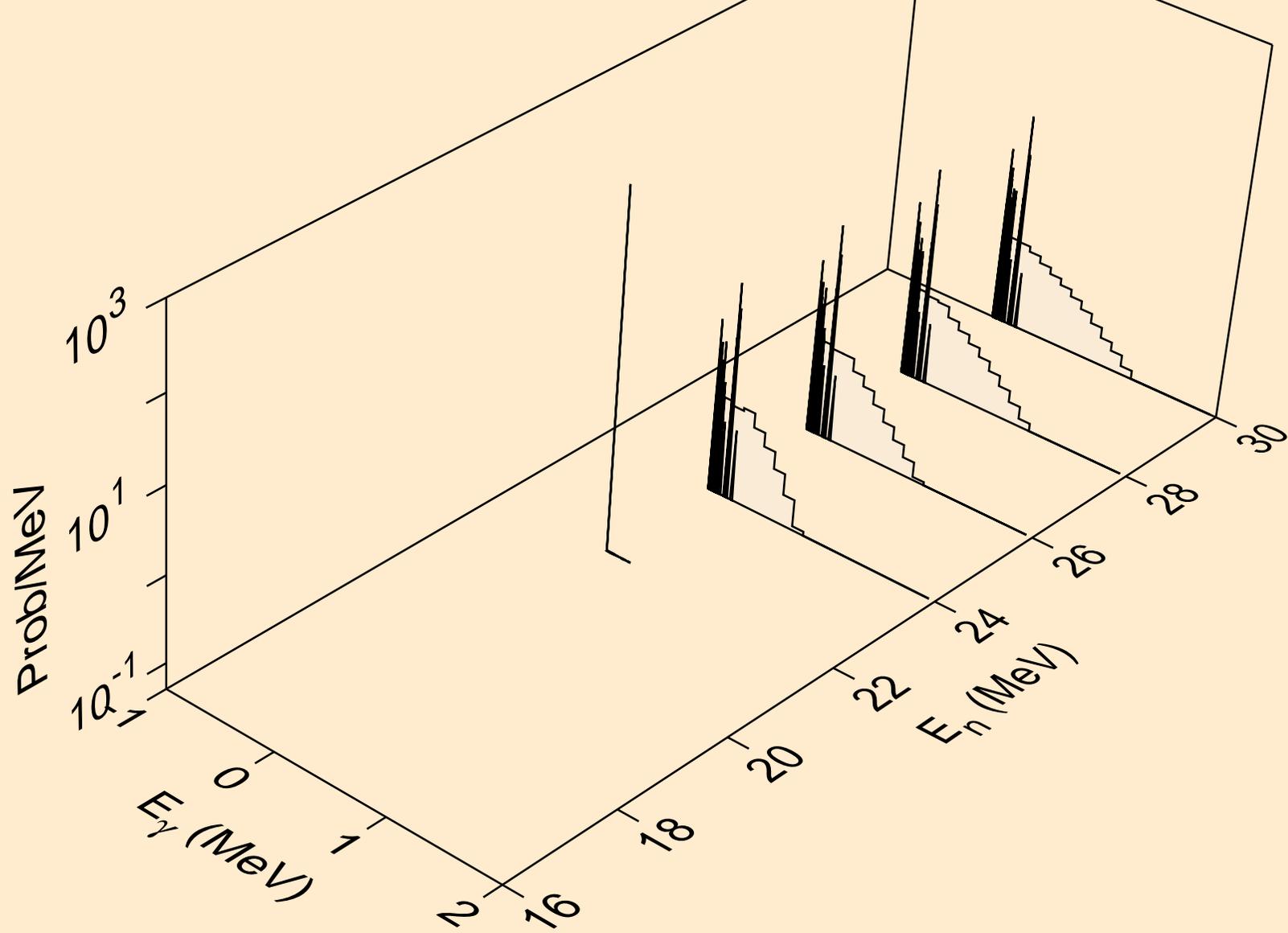Photon emission for (z,n)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
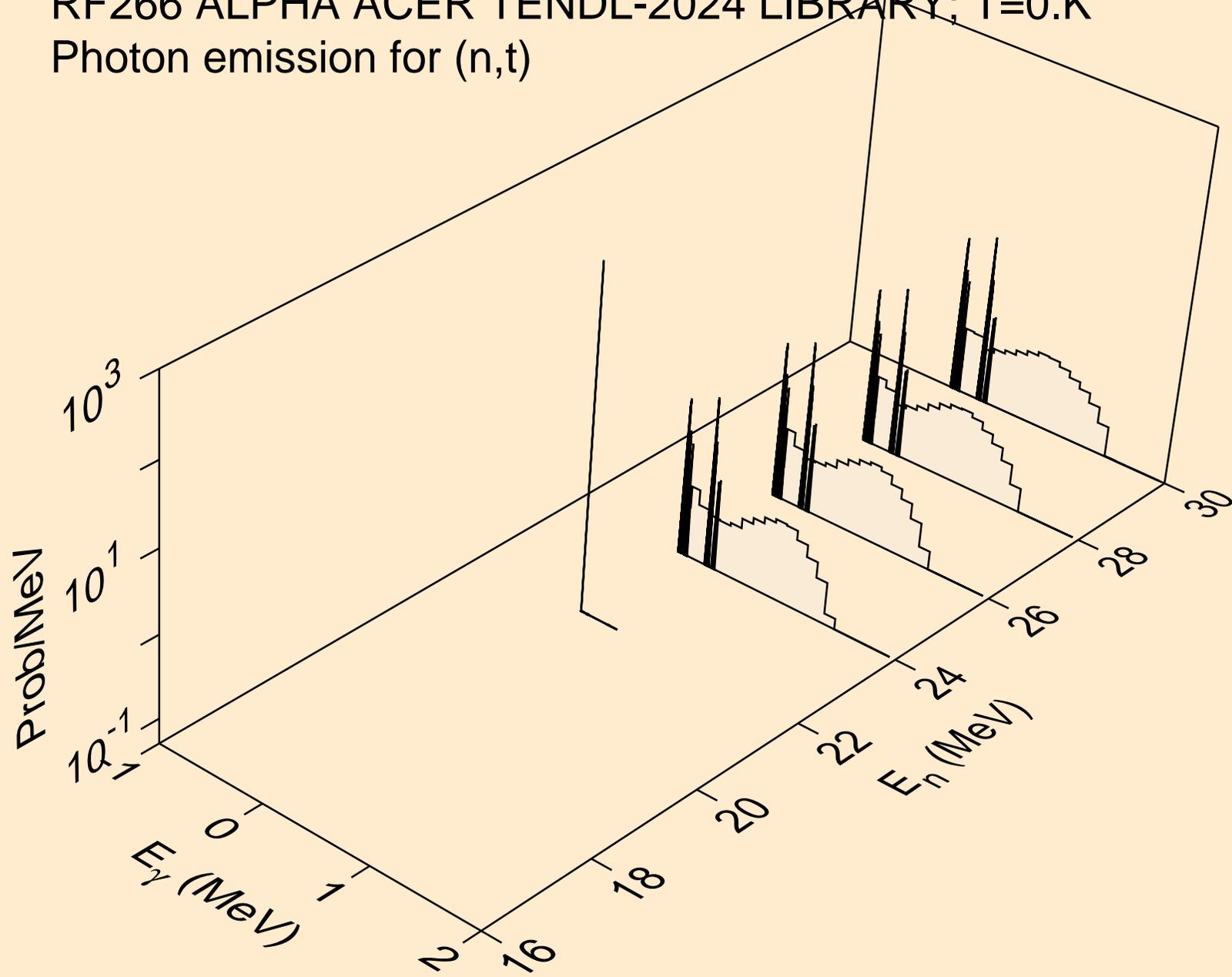Photon emission for (z,x)

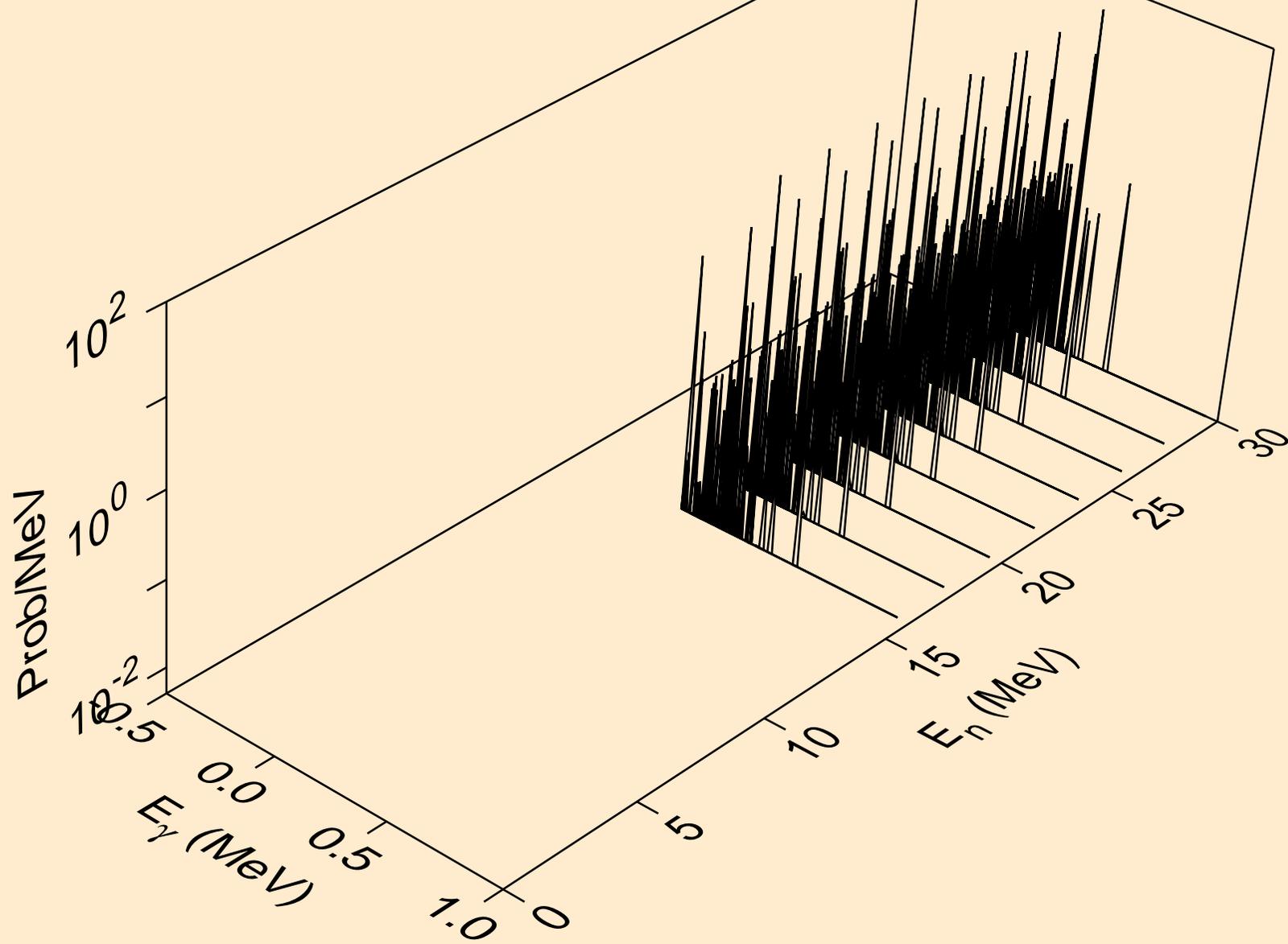RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,2n)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,d)

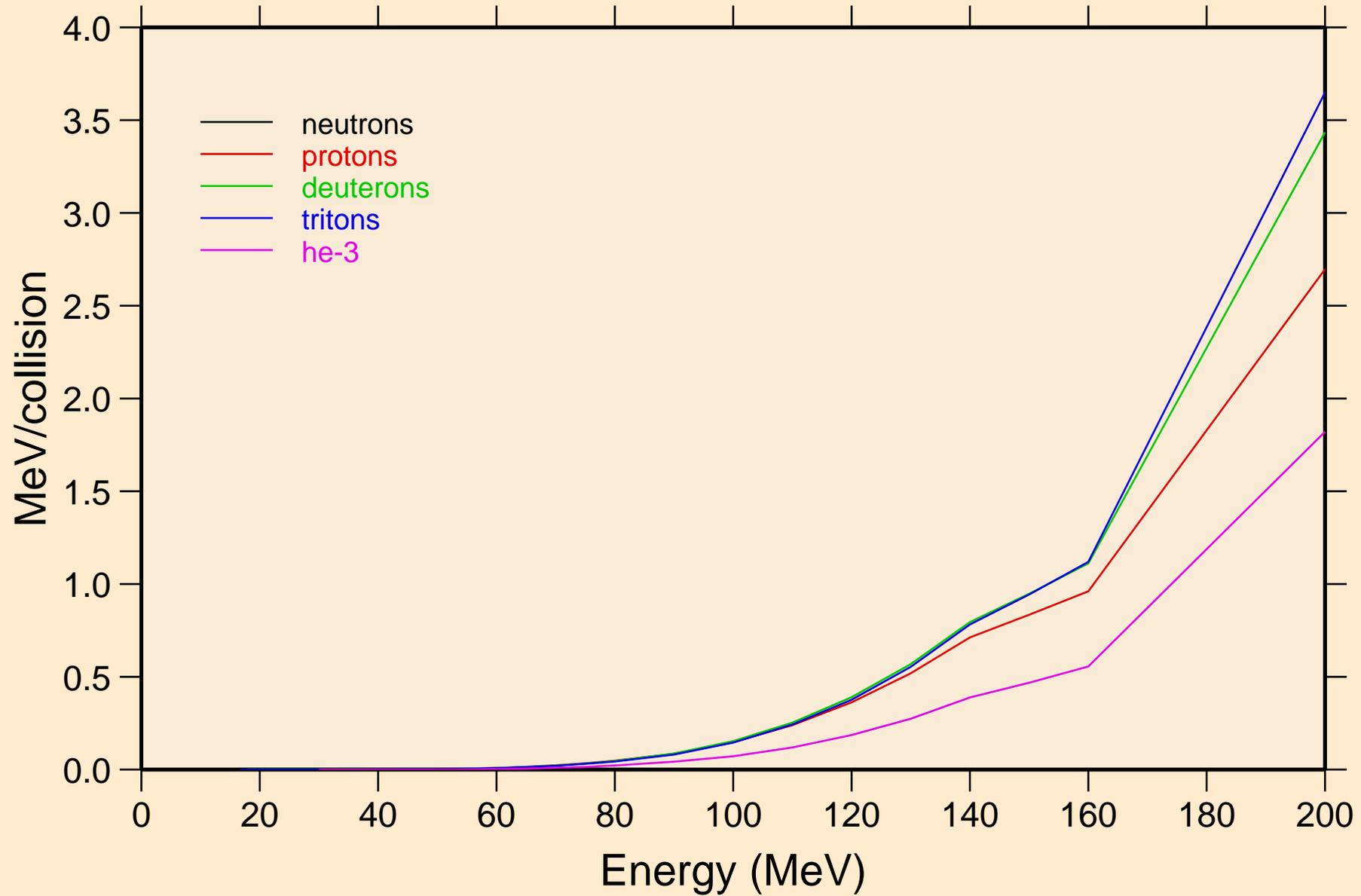RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for (n,t)

ProbMeV

$10^3$

$10^1$

$10^{-1}$

$E_\gamma$ (MeV)

0

1

2

16

18

20

22

24

26

28

30

$E_n$ (MeV)

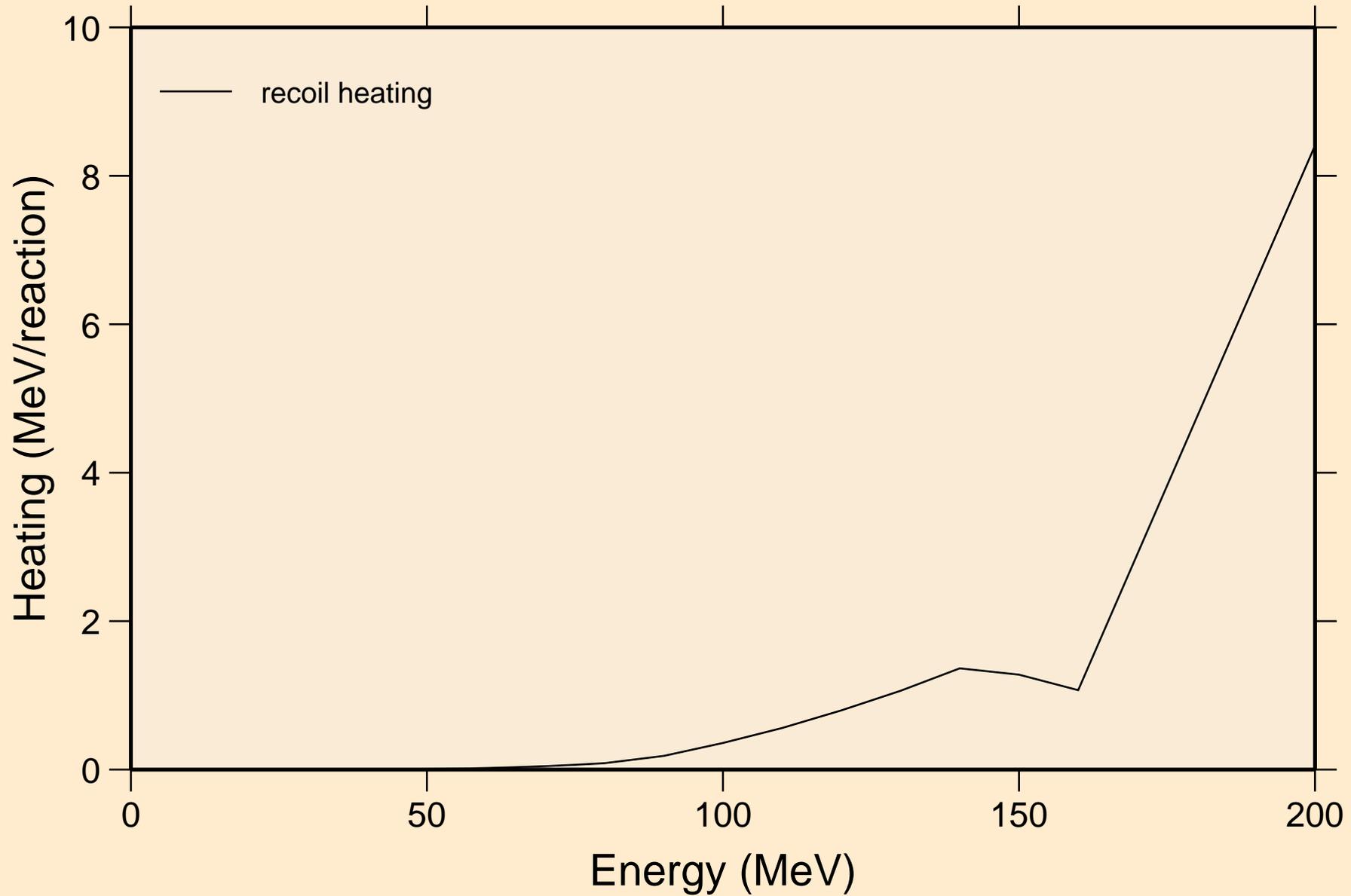RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Photon emission for inelastic

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Particle heating contributions

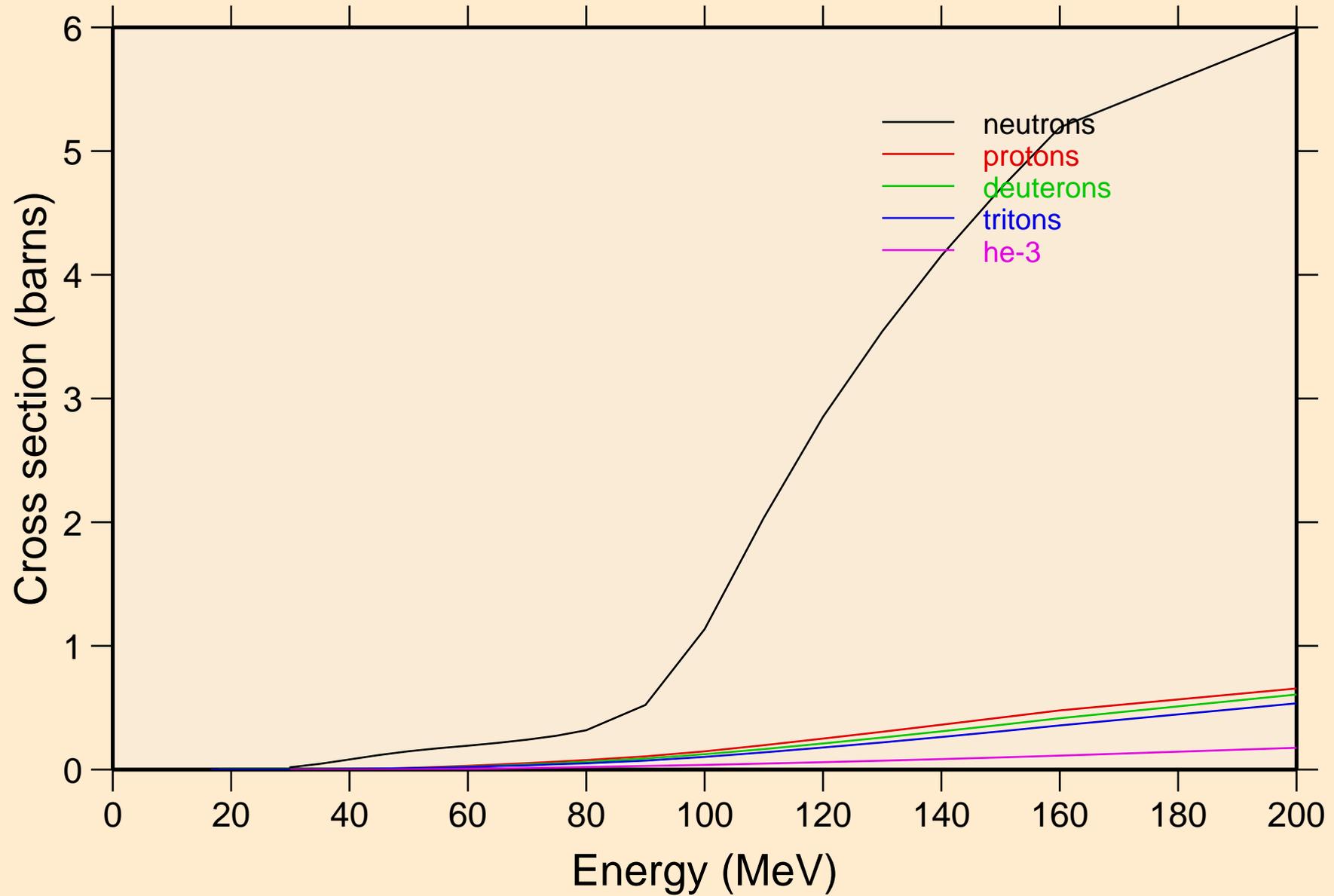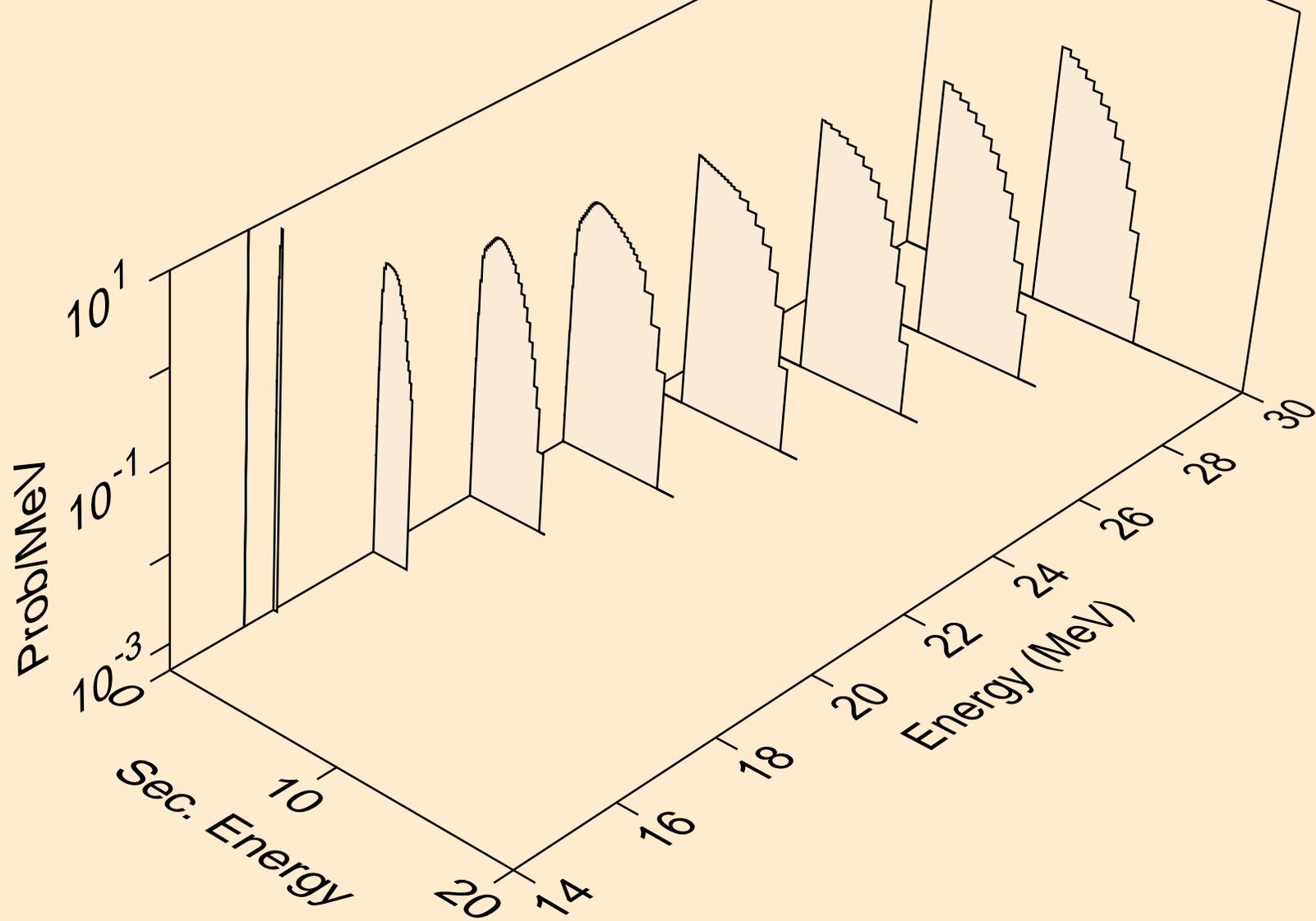RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
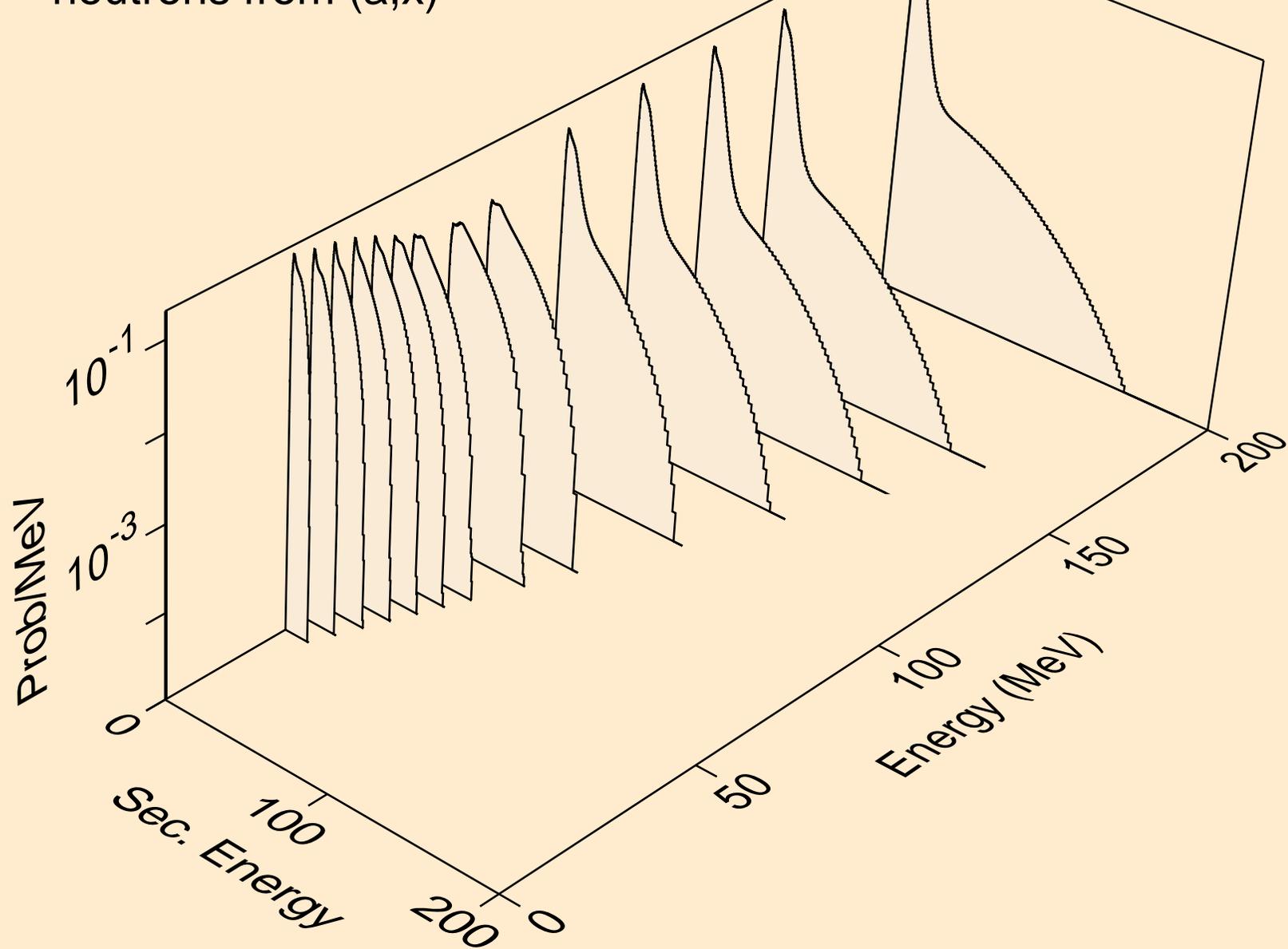Recoil Heating

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
Particle production cross sections

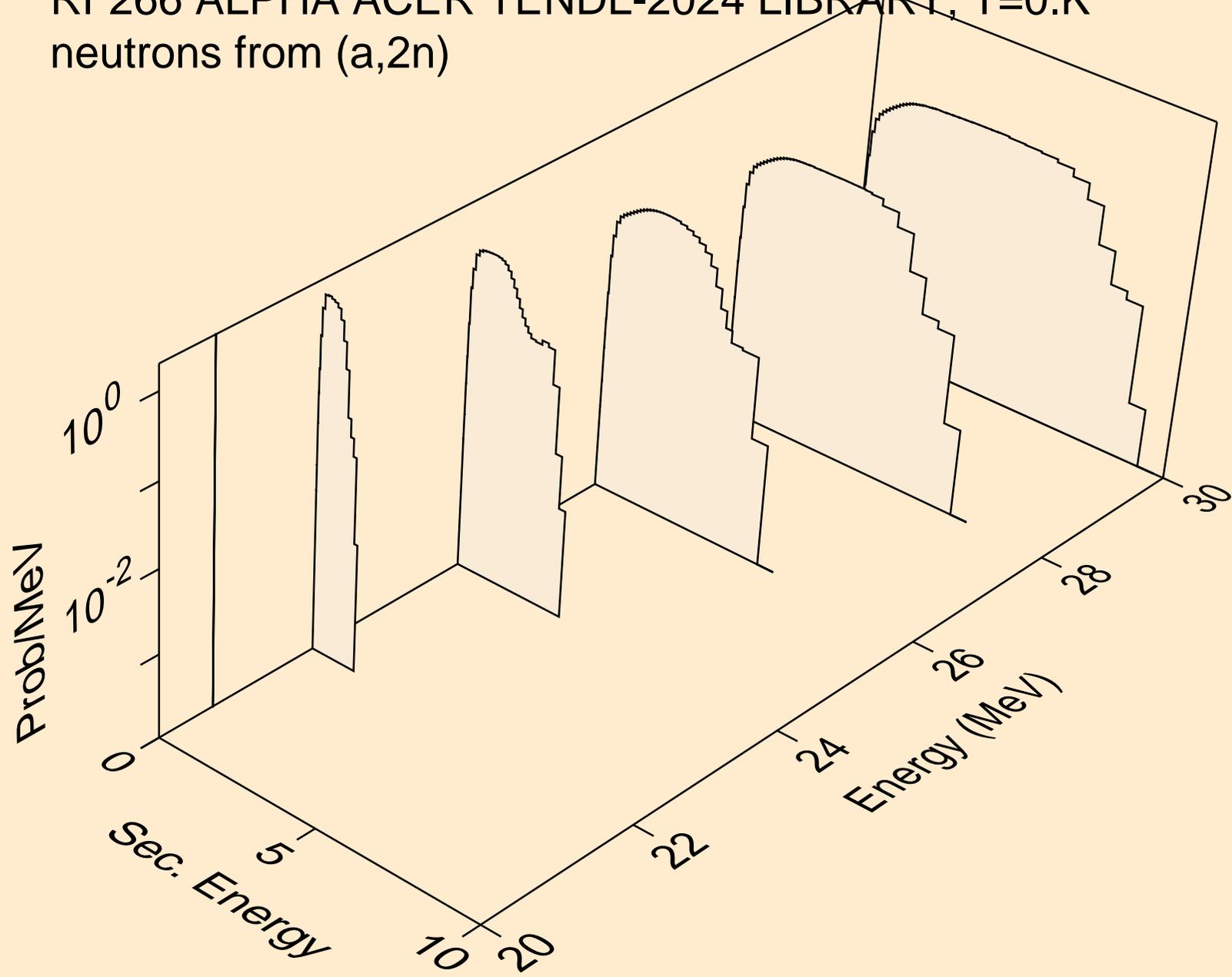neutrons
protons
deuterons
tritons
he-3

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
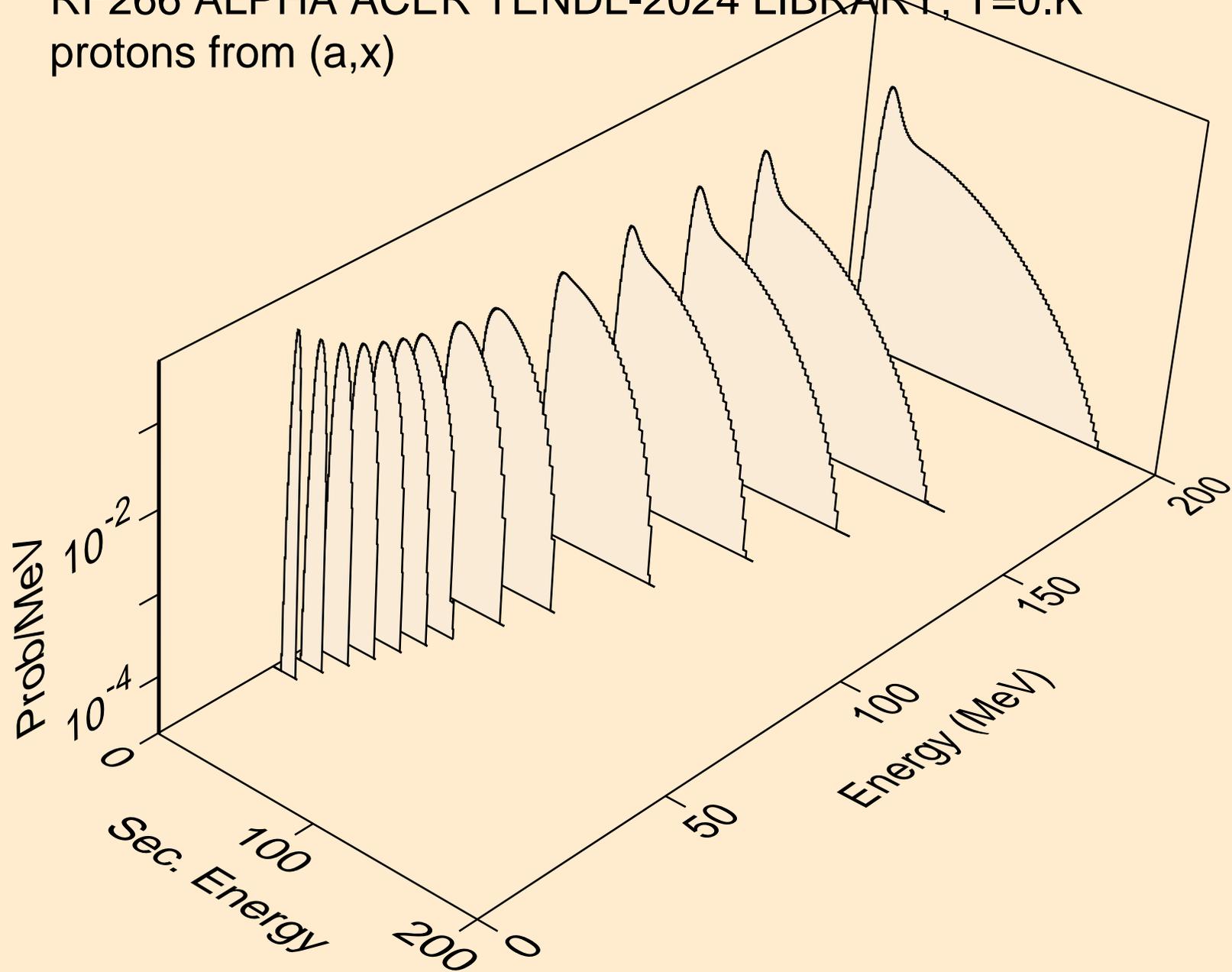neutrons from (a,n)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
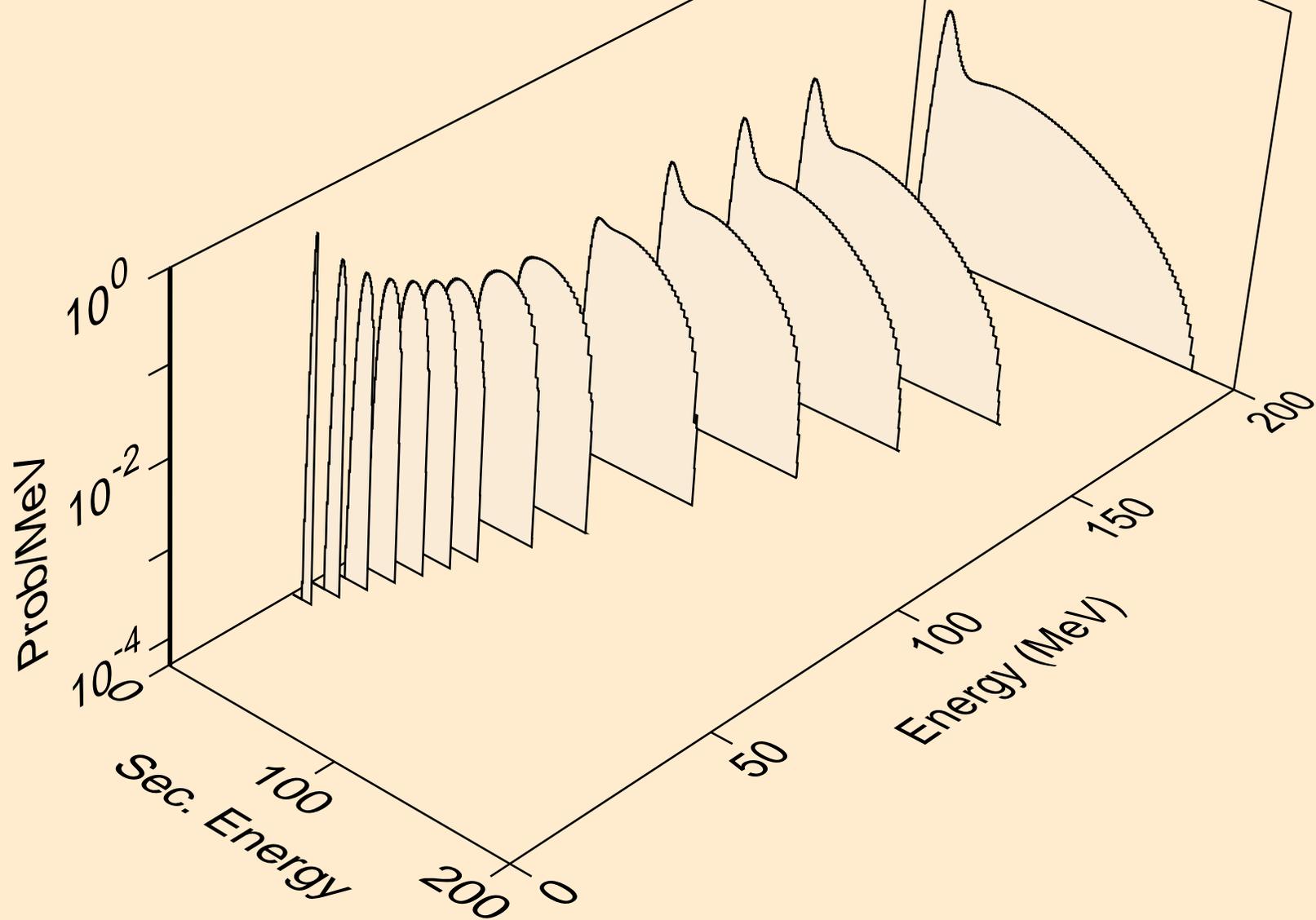neutrons from (a,x)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
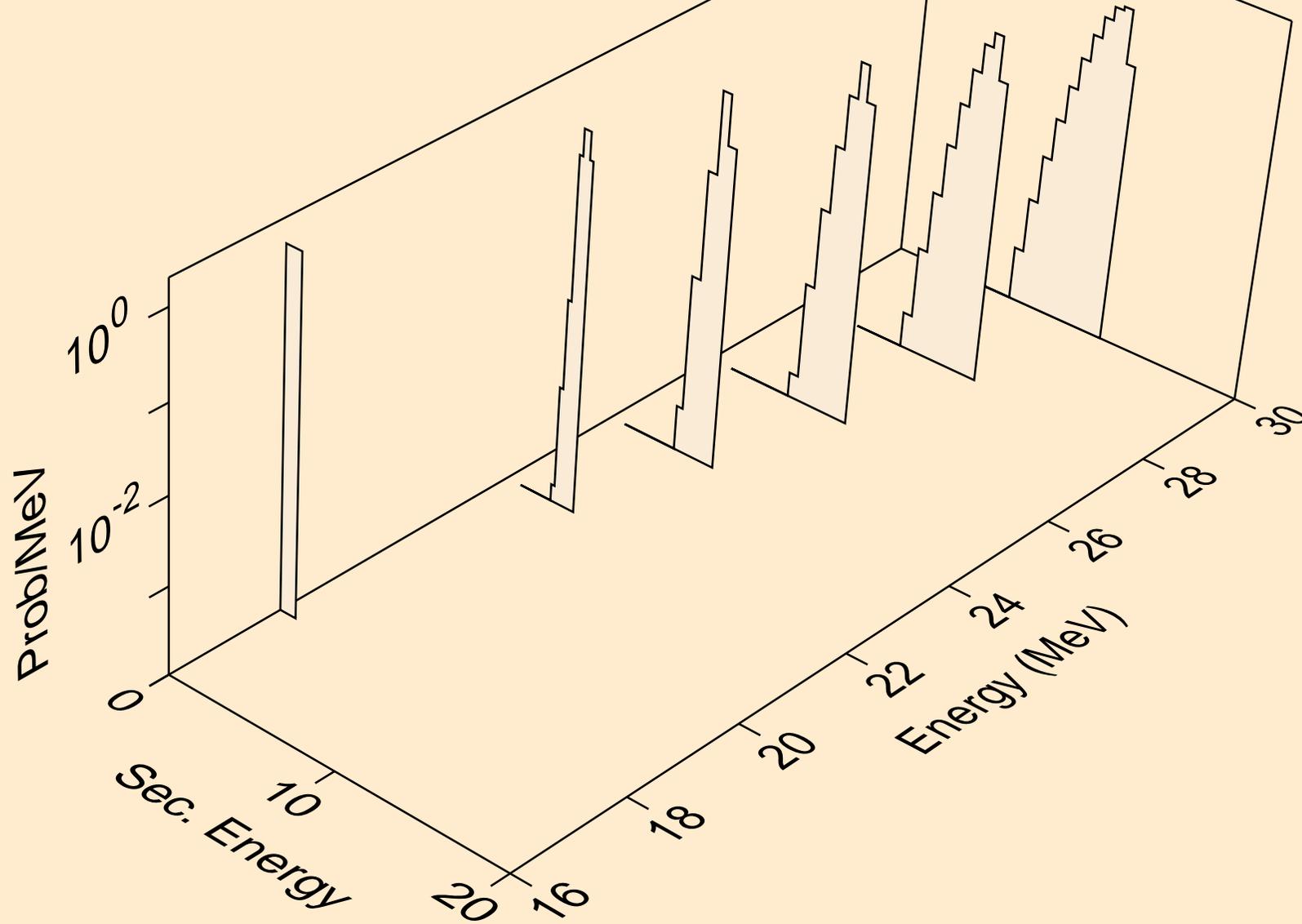neutrons from (a,2n)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
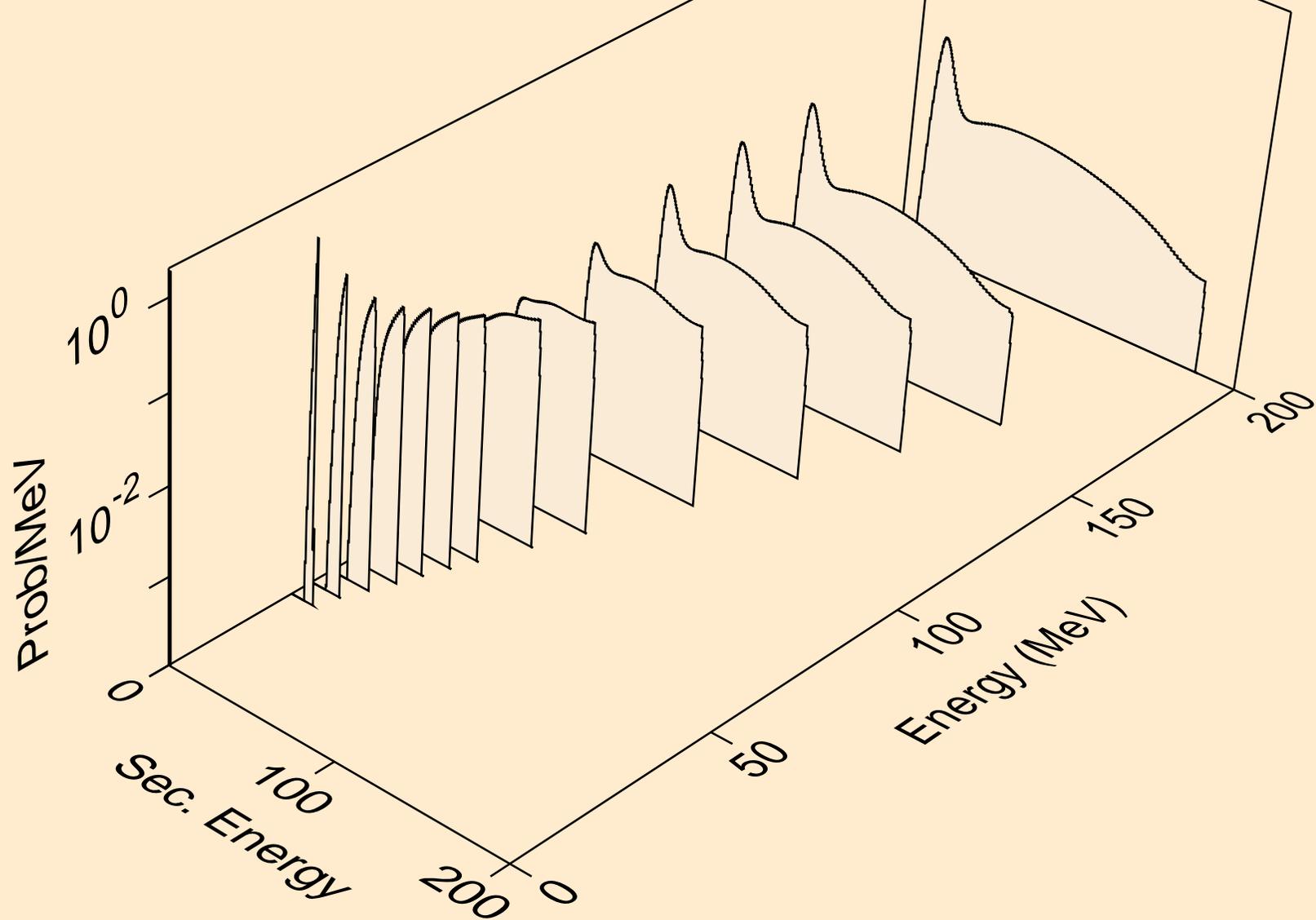protons from (a,x)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
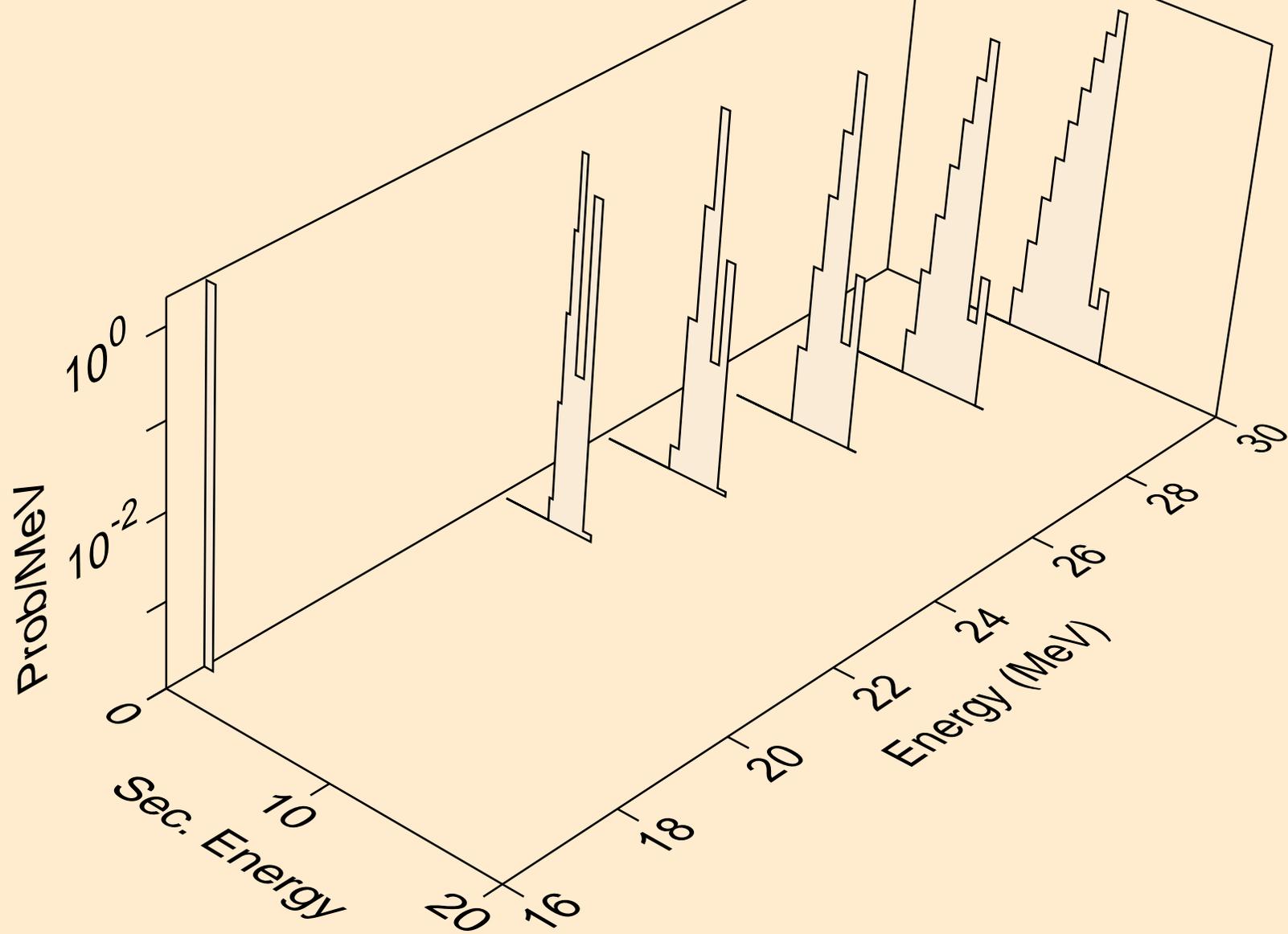deuterons from (a,x)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
deuterons from (a,d)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
tritons from (a,x)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
tritons from (a,t)

RF266 ALPHA ACER TENDL-2024 LIBRARY; T=0.K
he3s from (a,x)