DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections

- total
- absorption
- elastic
- gamma production

Cross section (barns)

Energy (MeV)
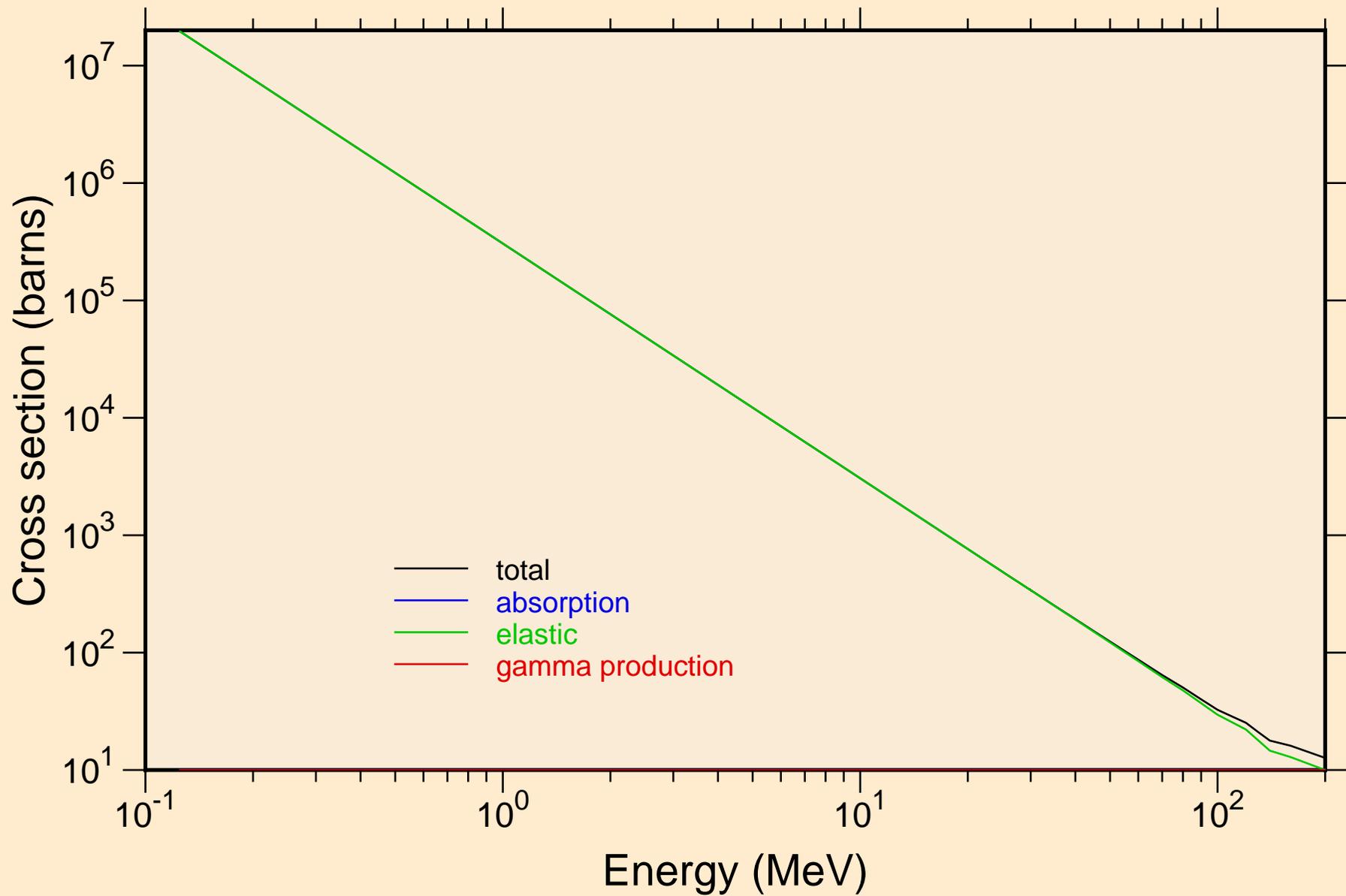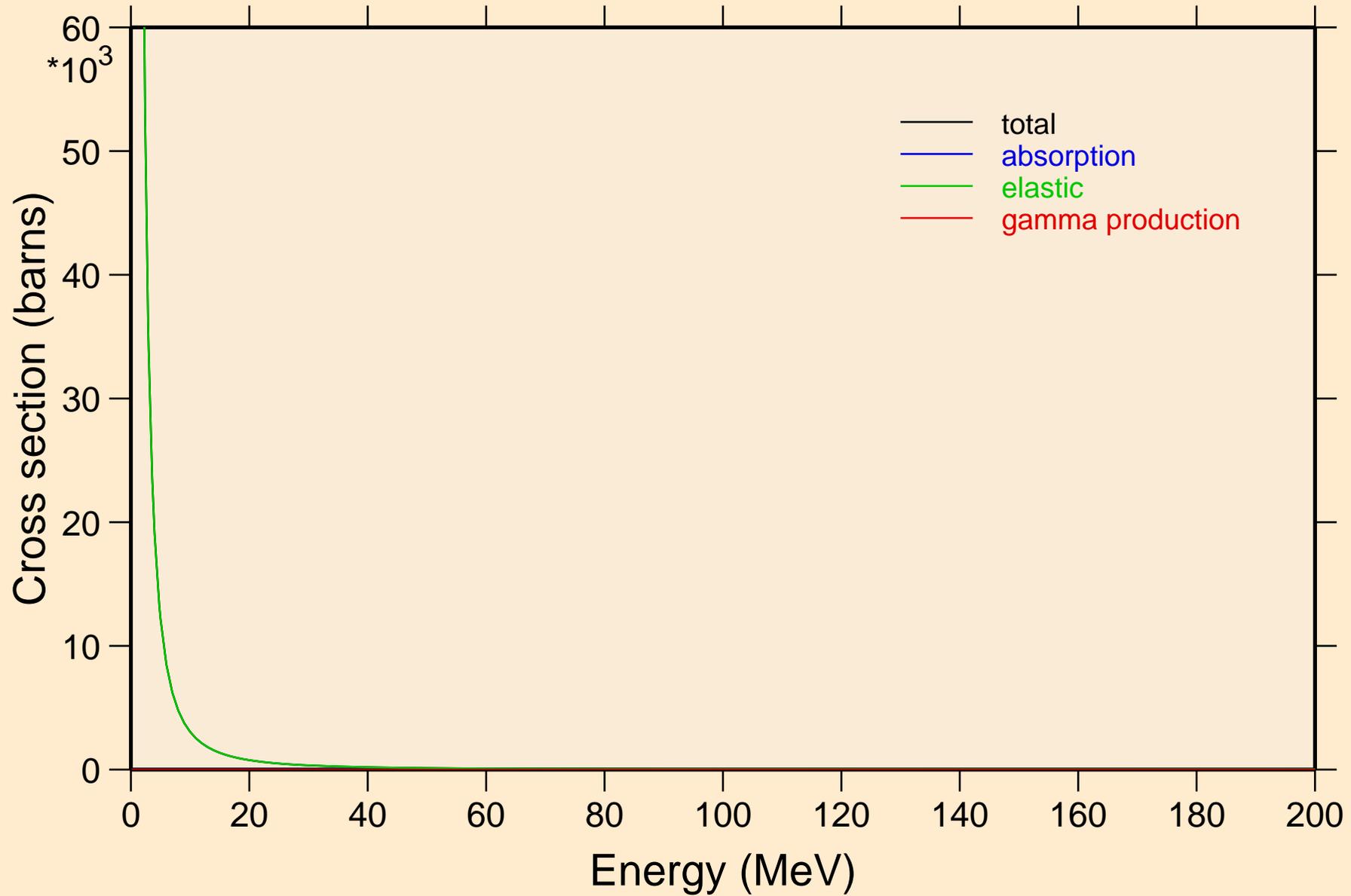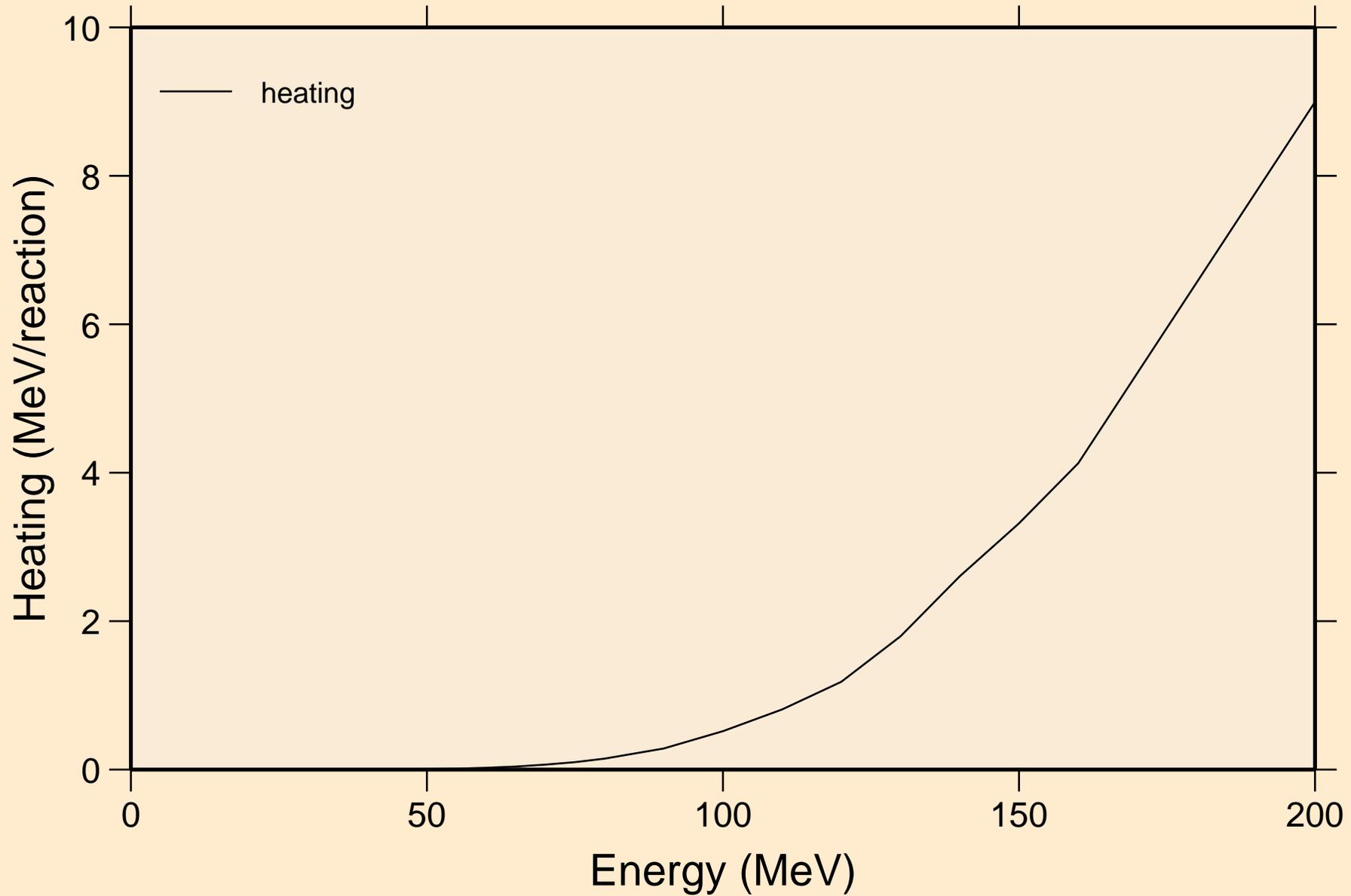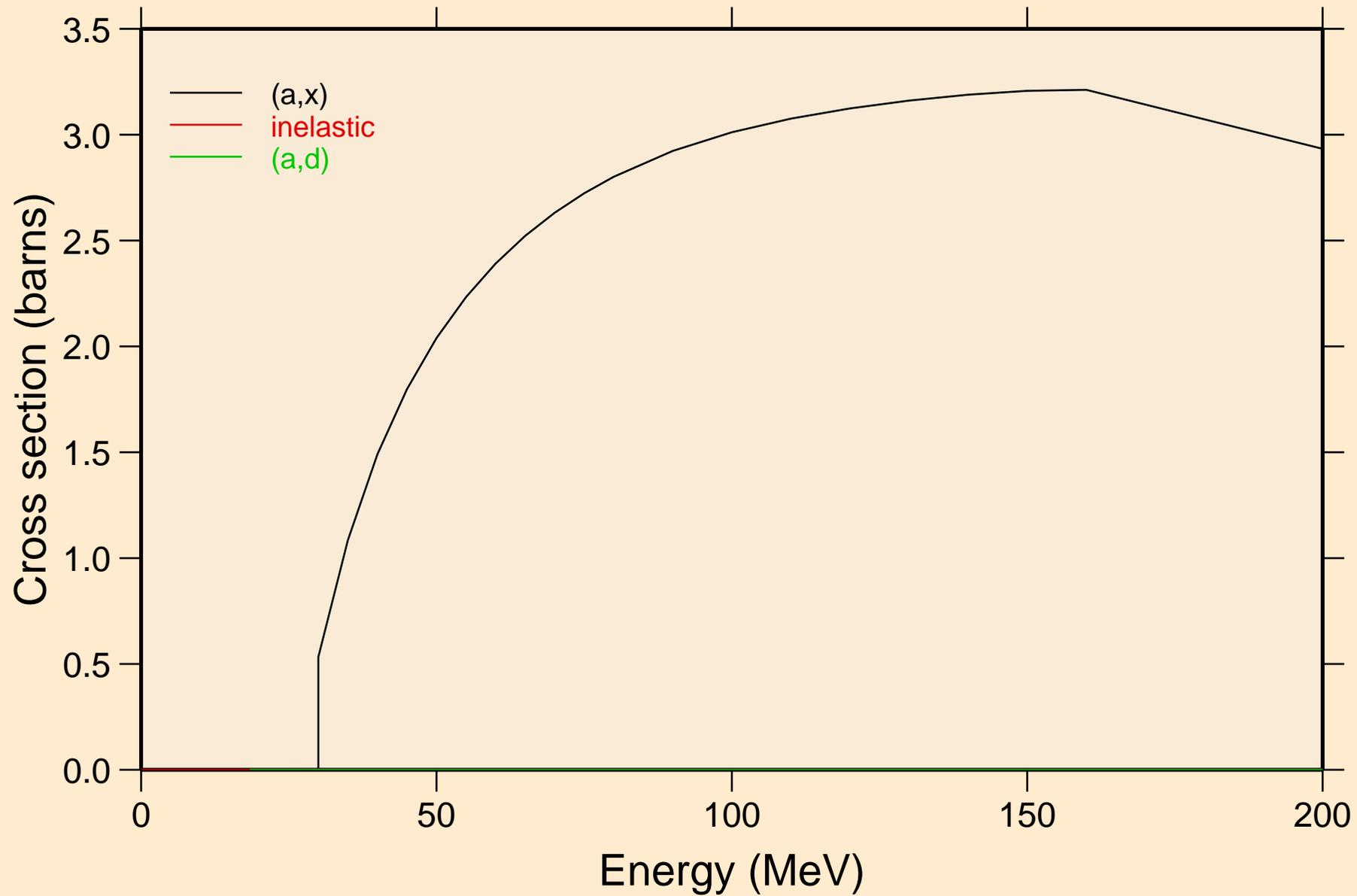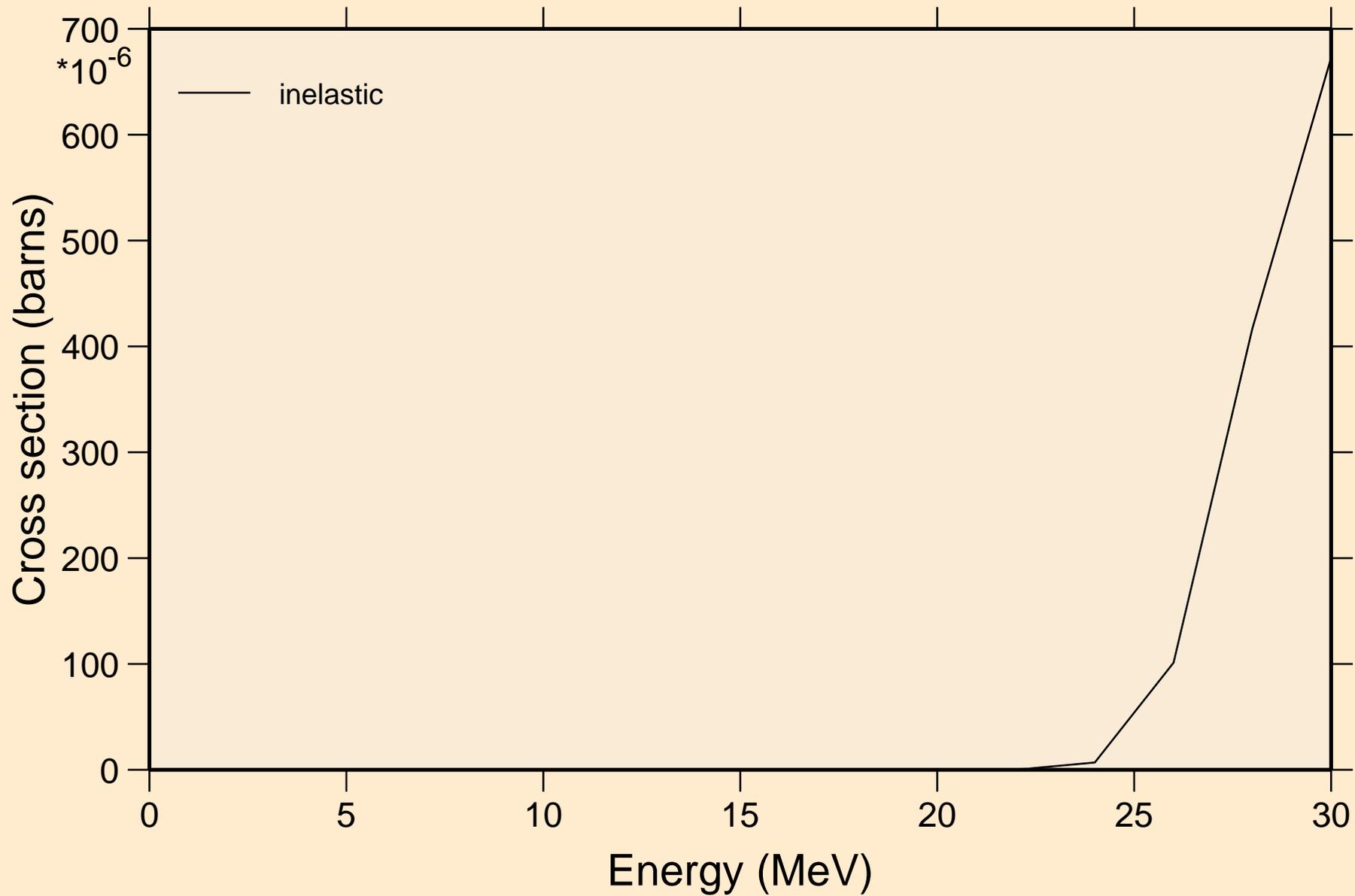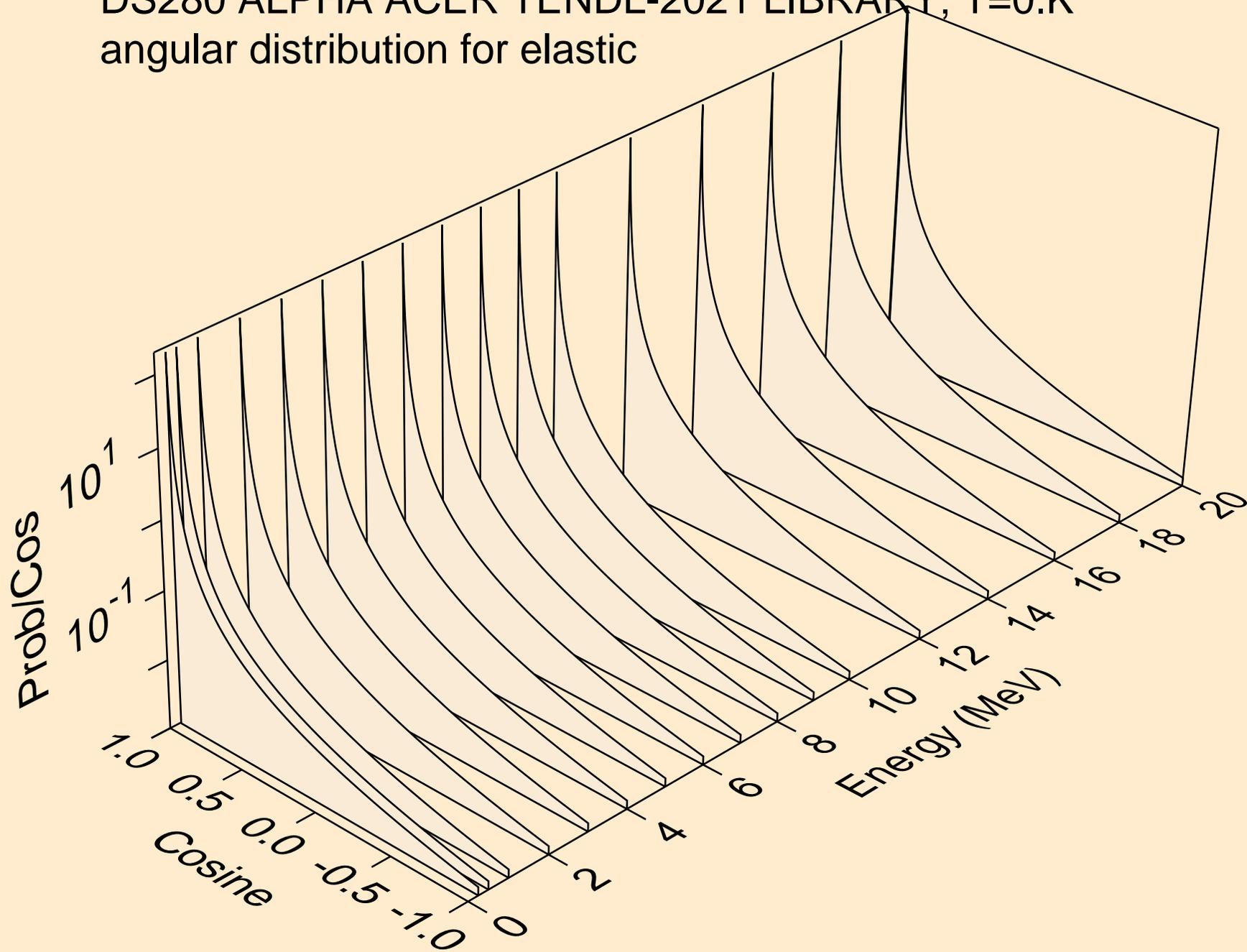
DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Heating

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

Legend:
- (a,x)
- inelastic
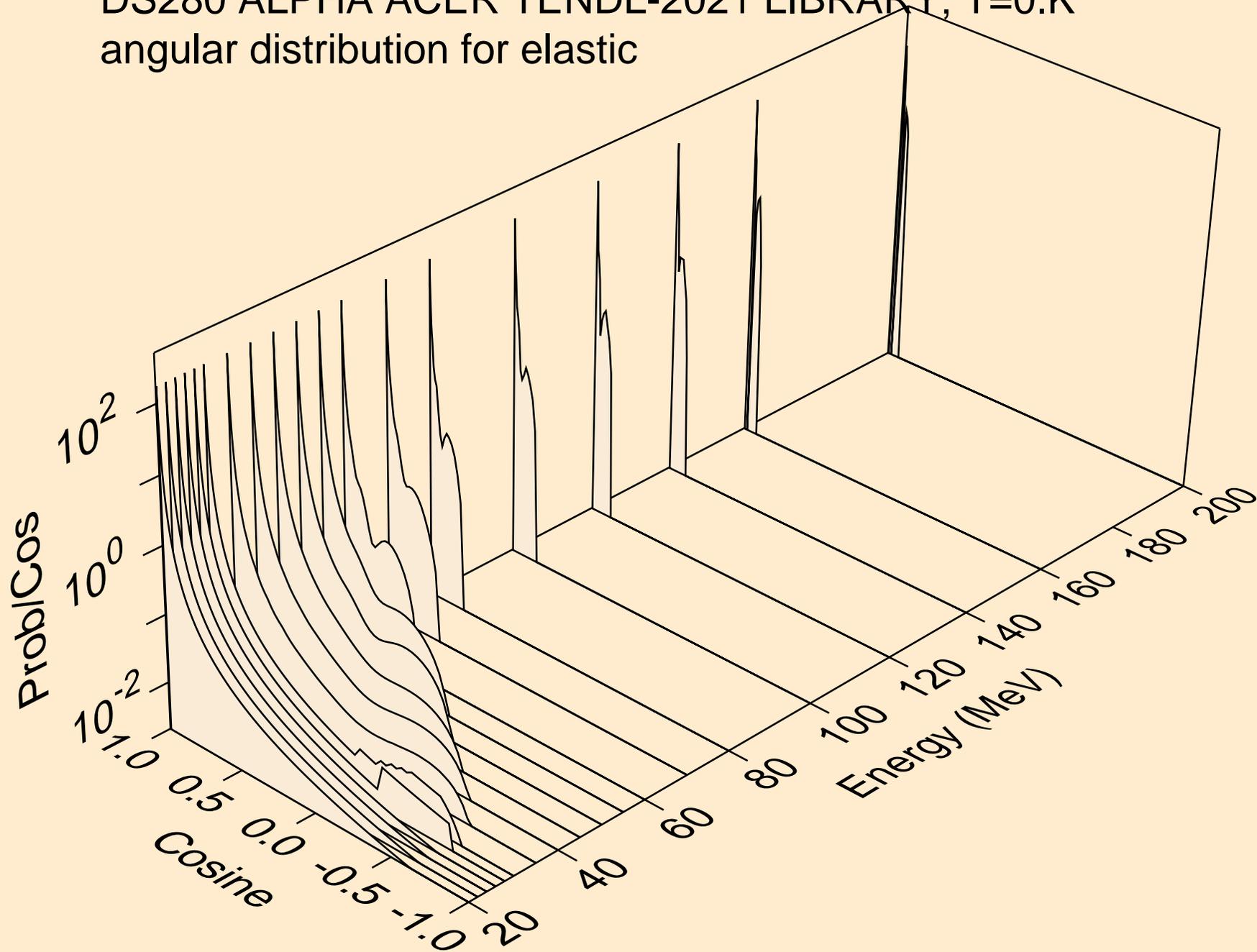- (a,d)

Cross section (barns) vs Energy (MeV)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions

inelastic
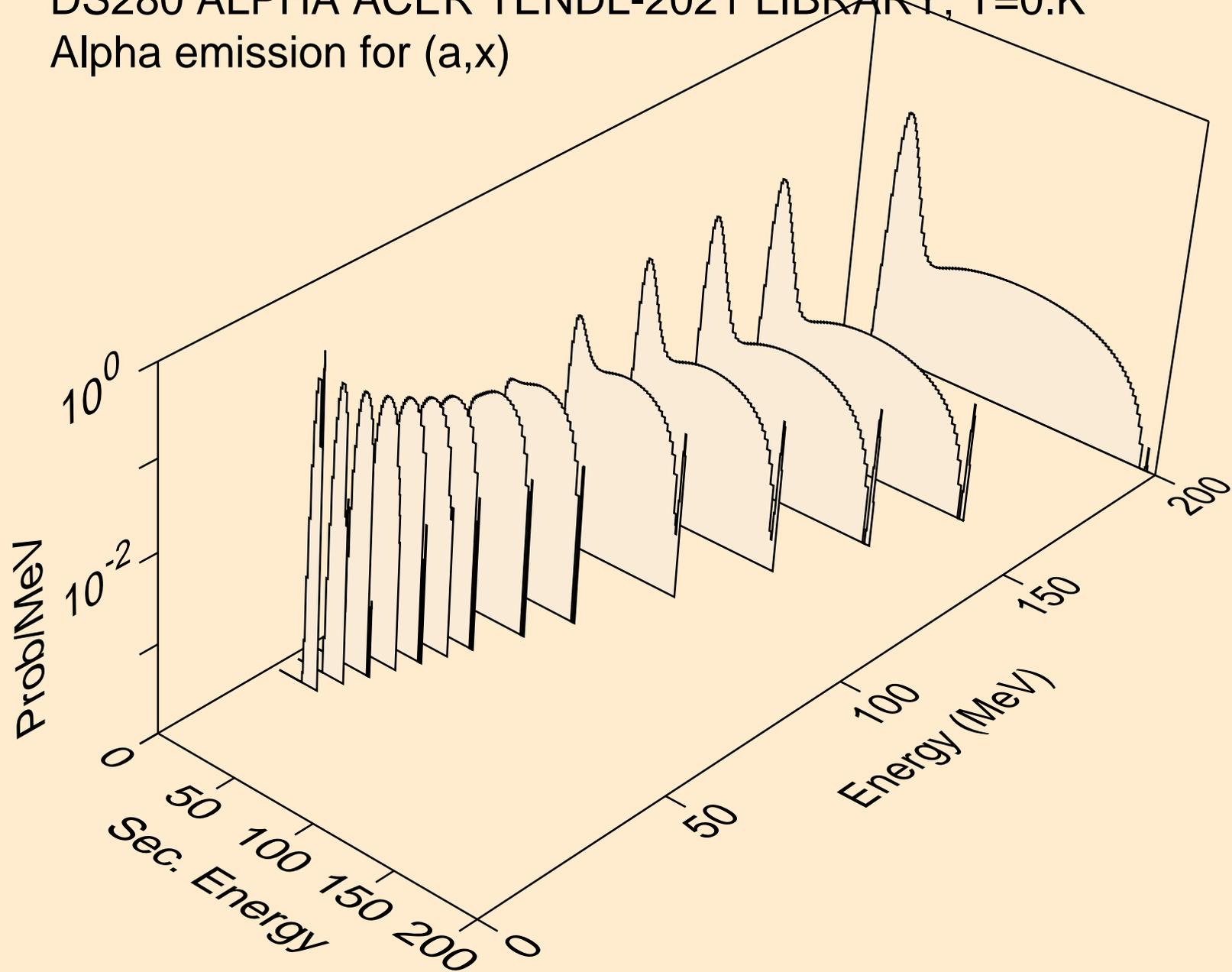
Cross section (barns)

Energy (MeV)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
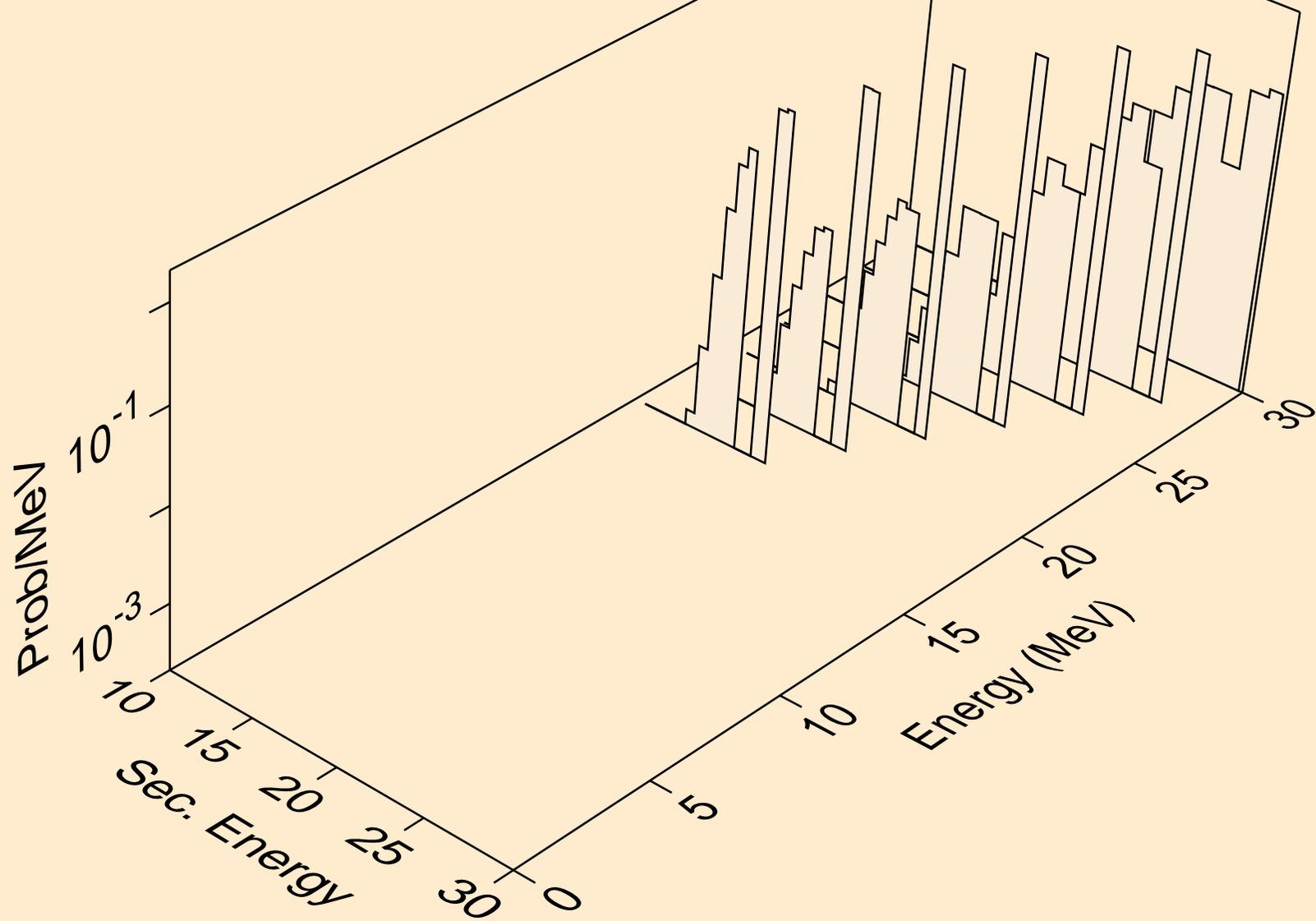angular distribution for elastic

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
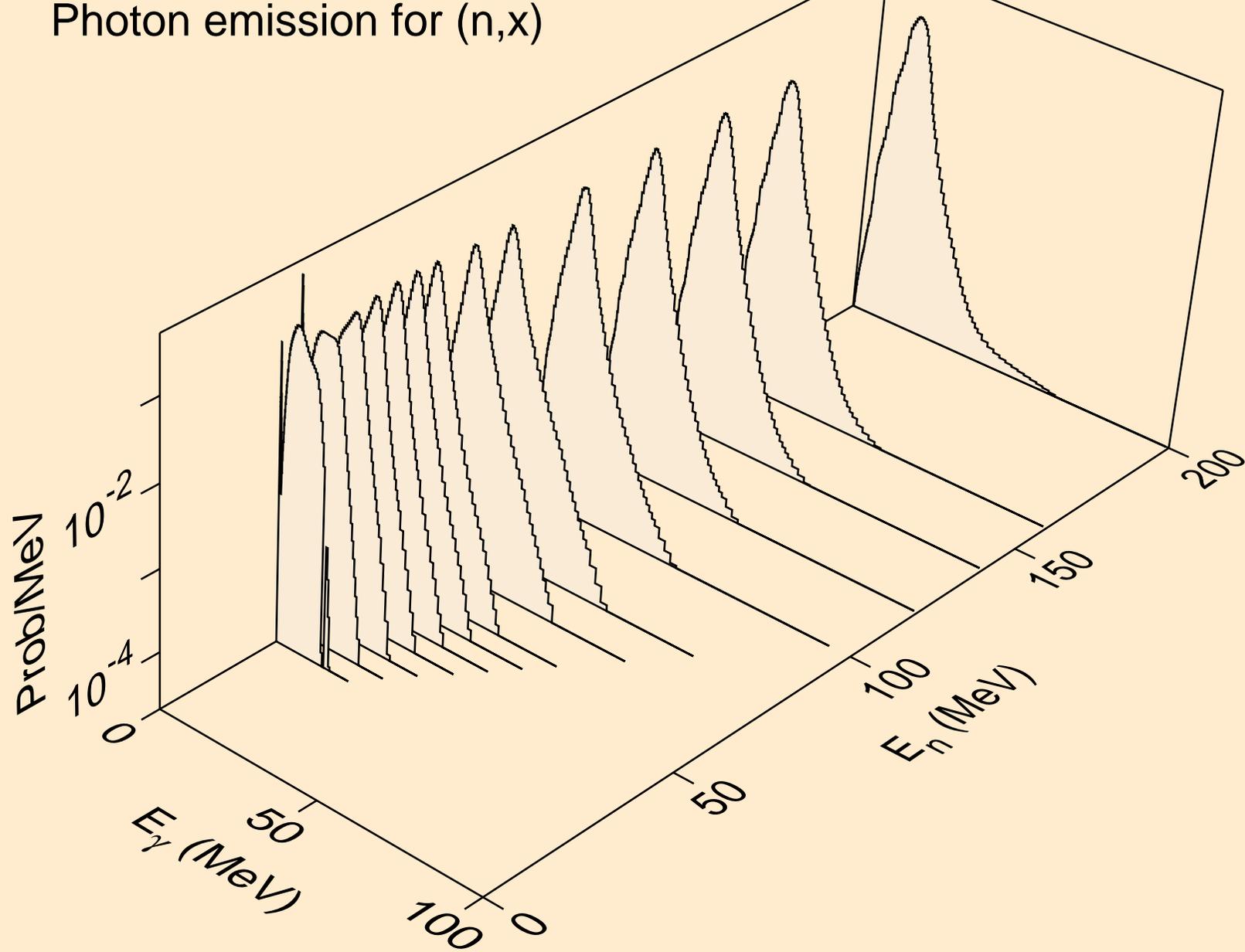angular distribution for elastic

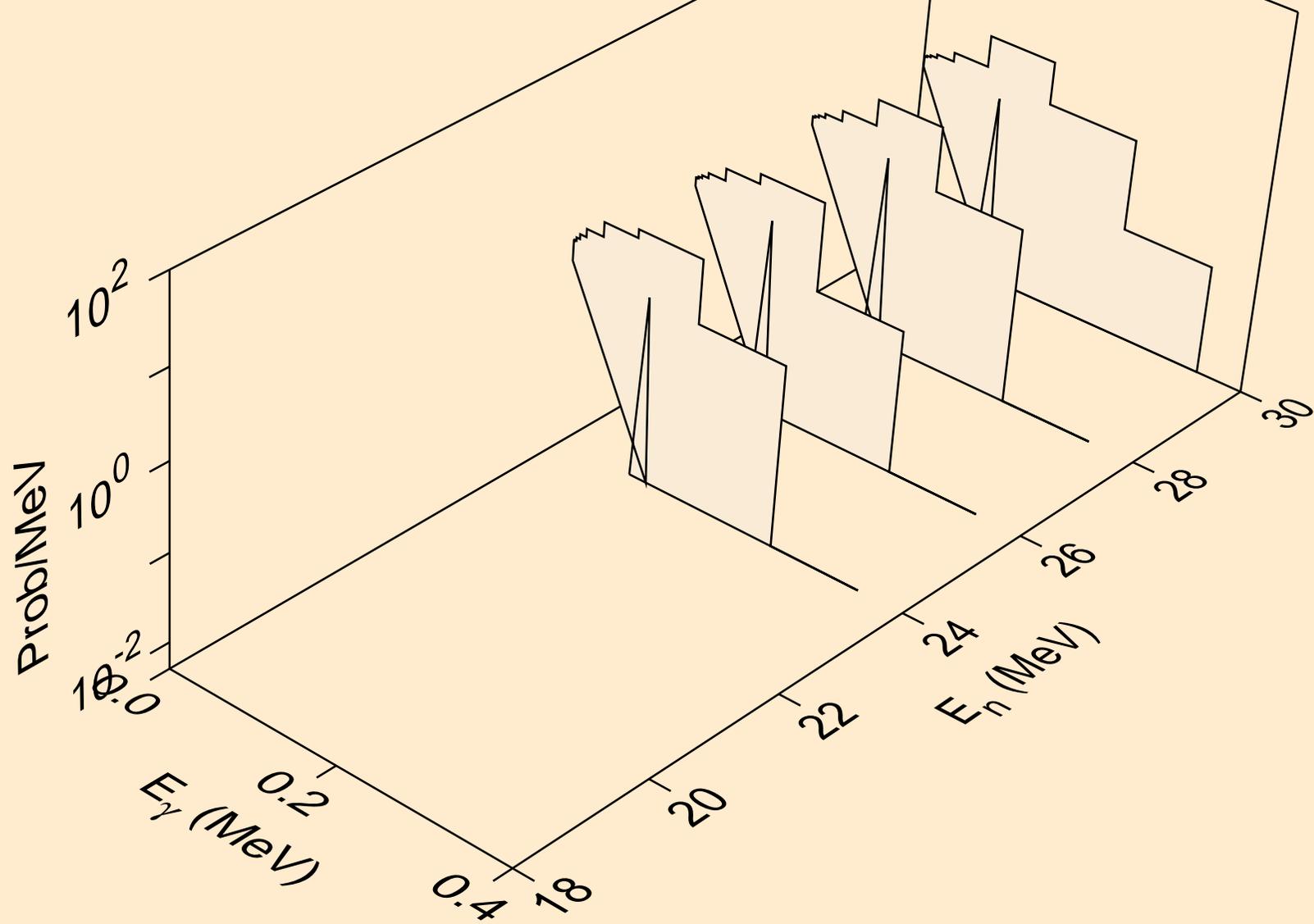DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Alpha emission for (a,x)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
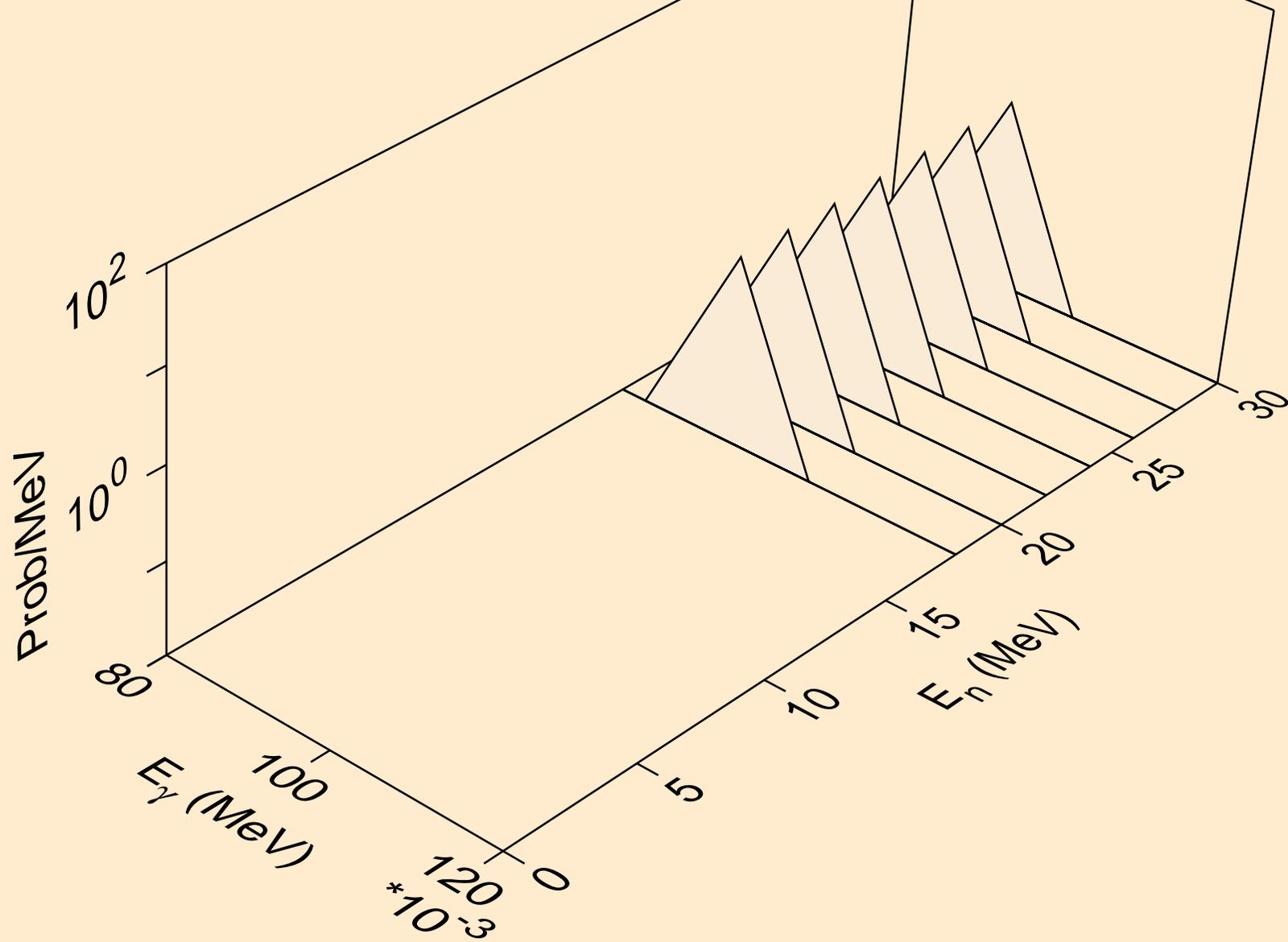Alpha emission for inelastic

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
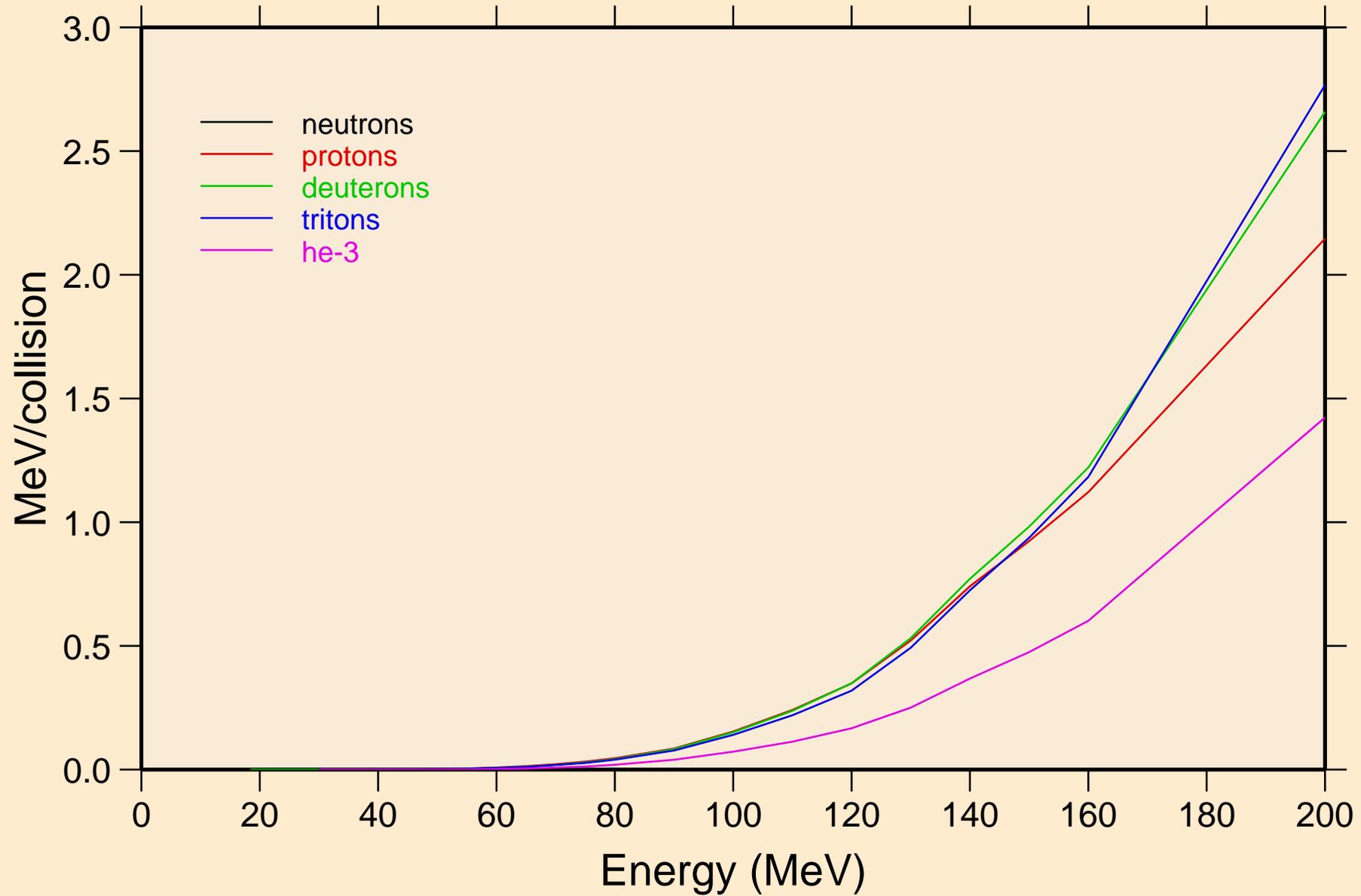Photon emission for (n,x)

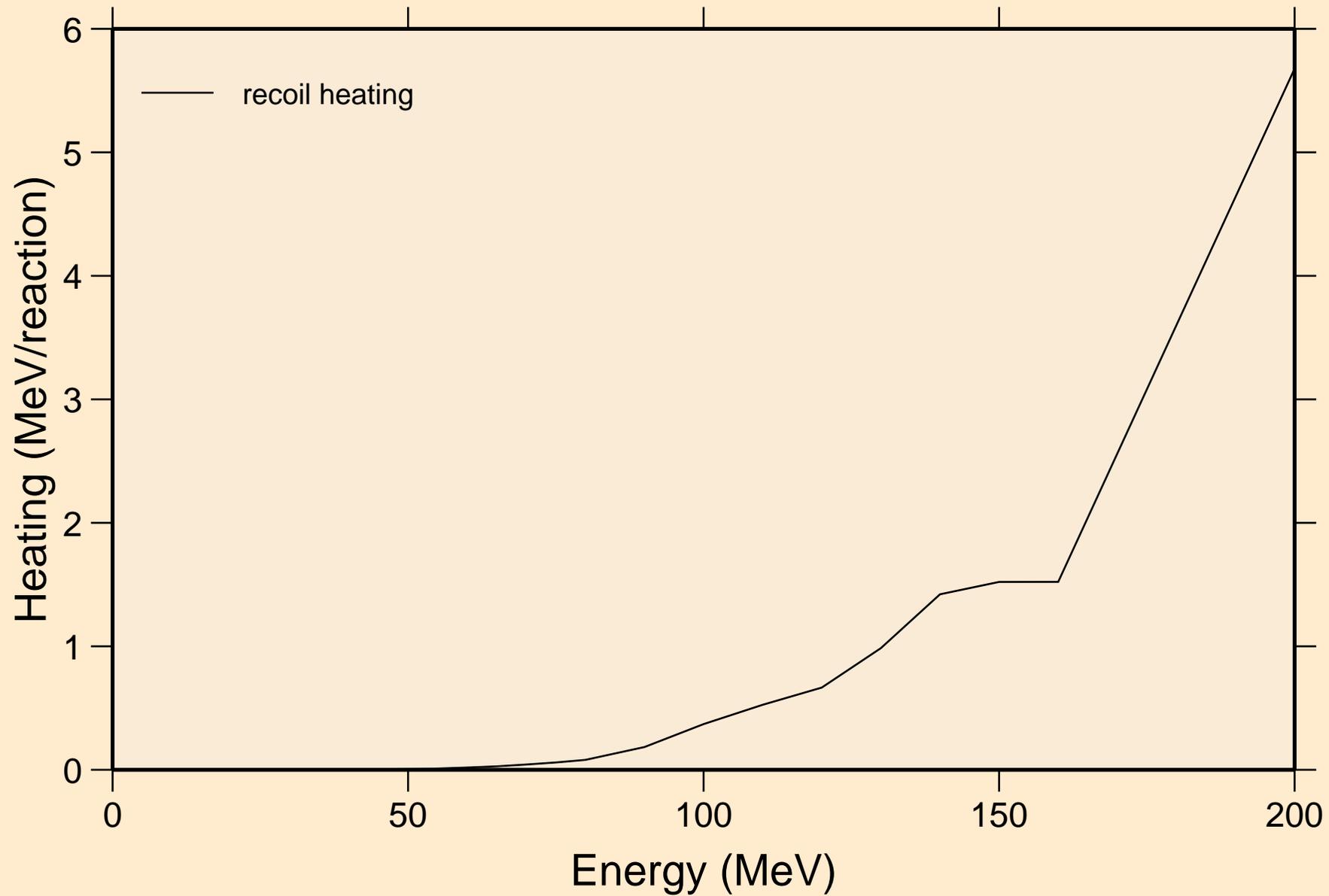DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Photon emission for (n,d)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
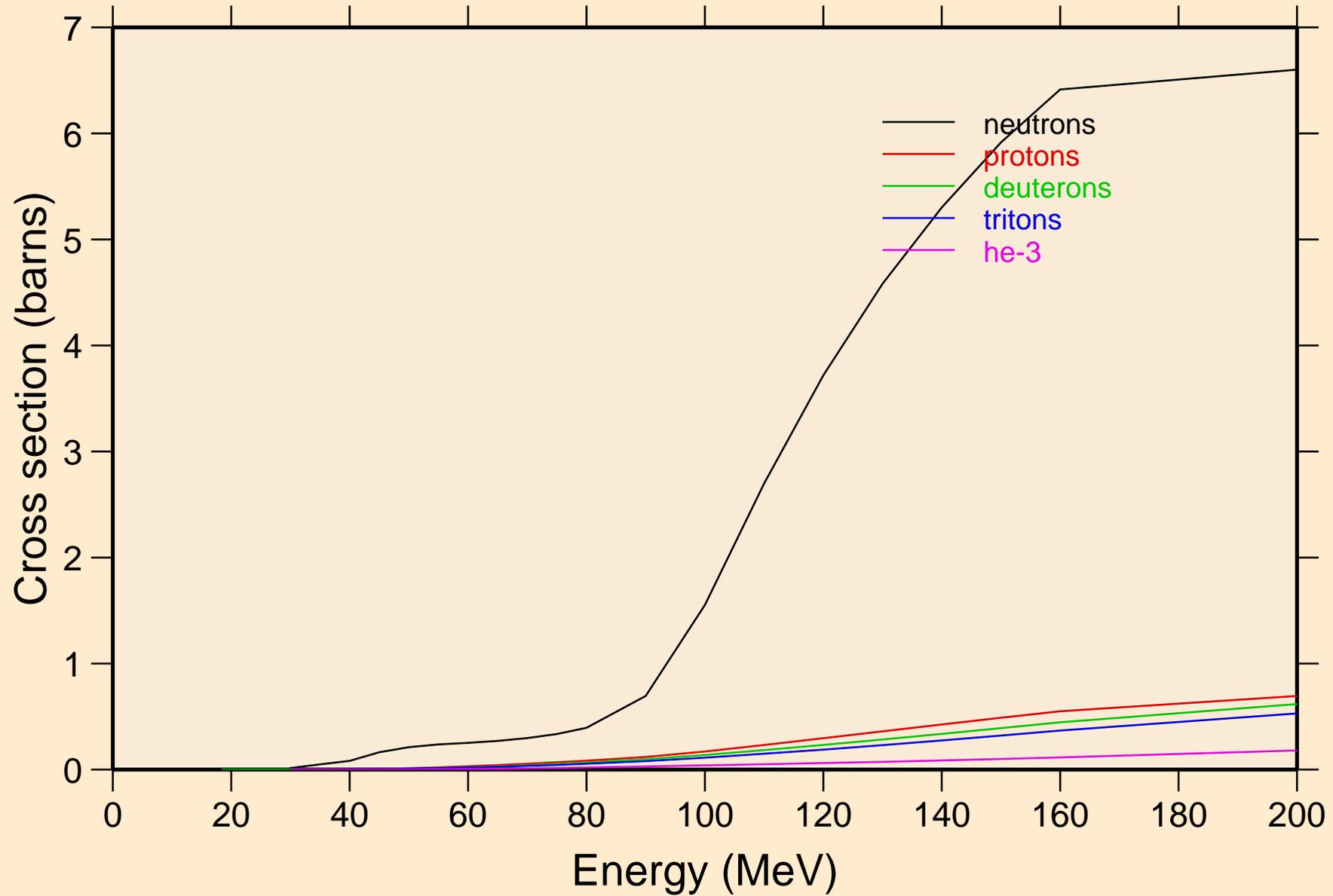Photon emission for inelastic

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Particle heating contributions

neutrons
protons
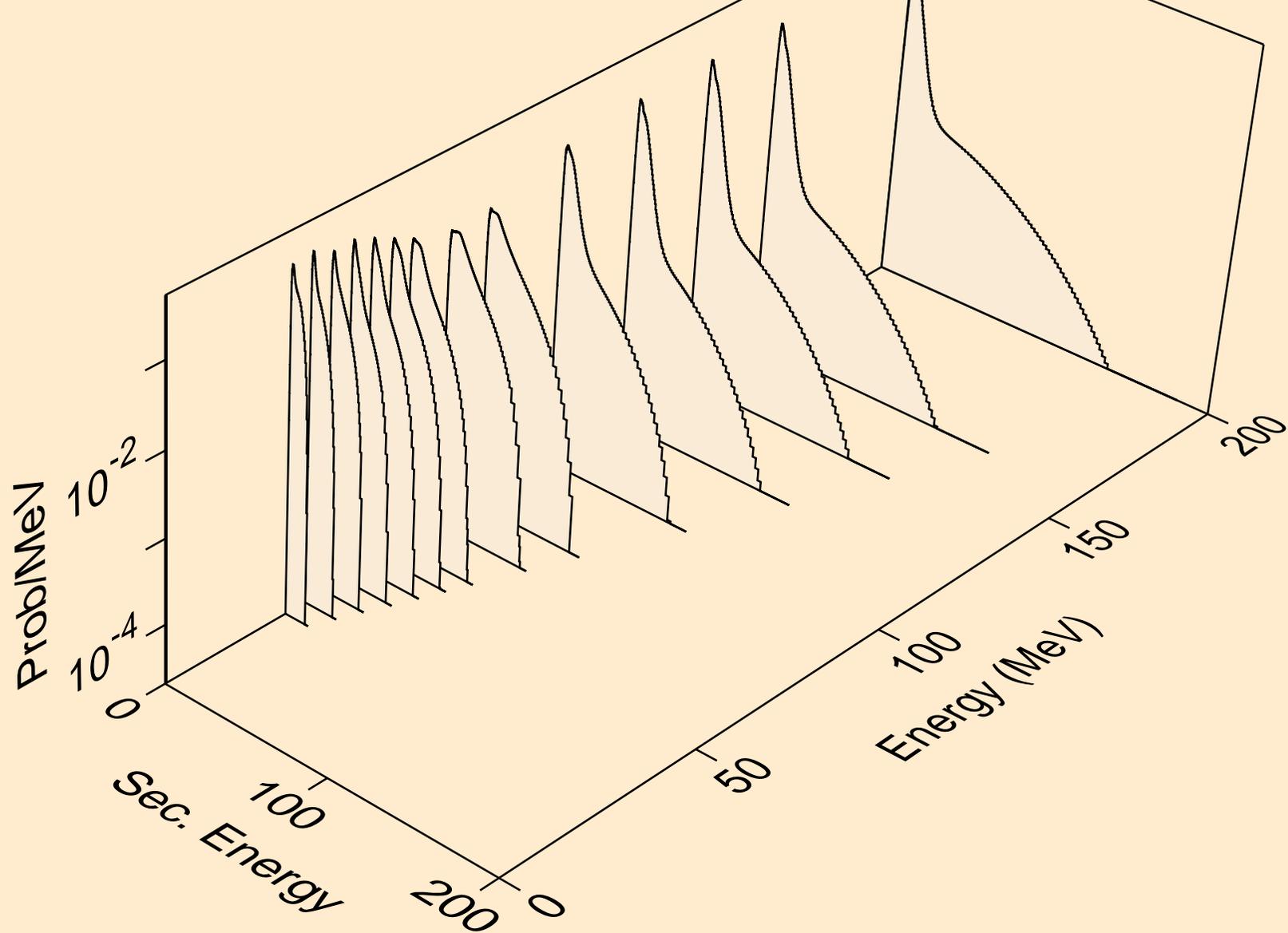deuterons
tritons
he-3

MeV/collision

Energy (MeV)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
Recoil Heating

recoil heating
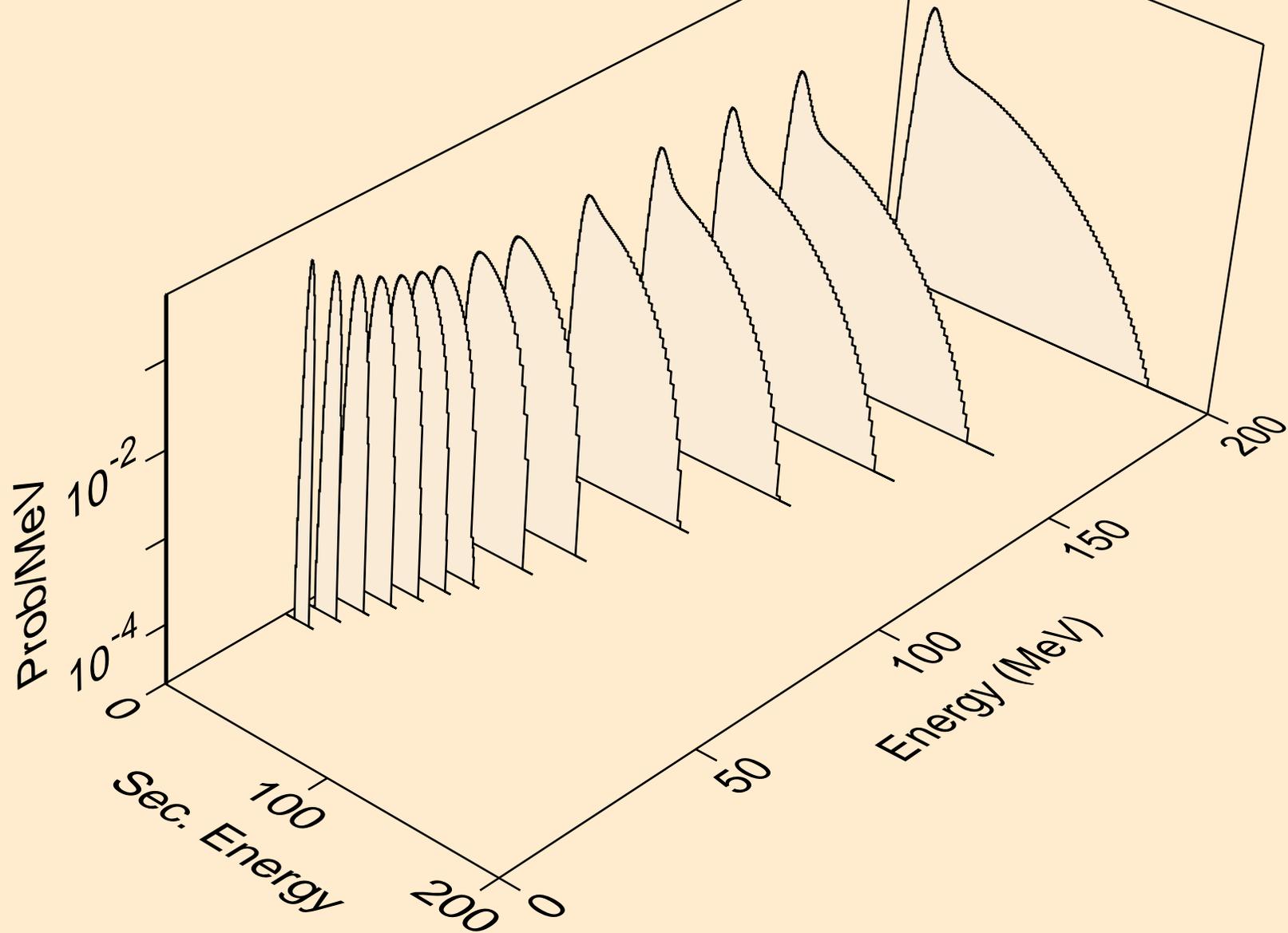
Heating (MeV/reaction)

Energy (MeV)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
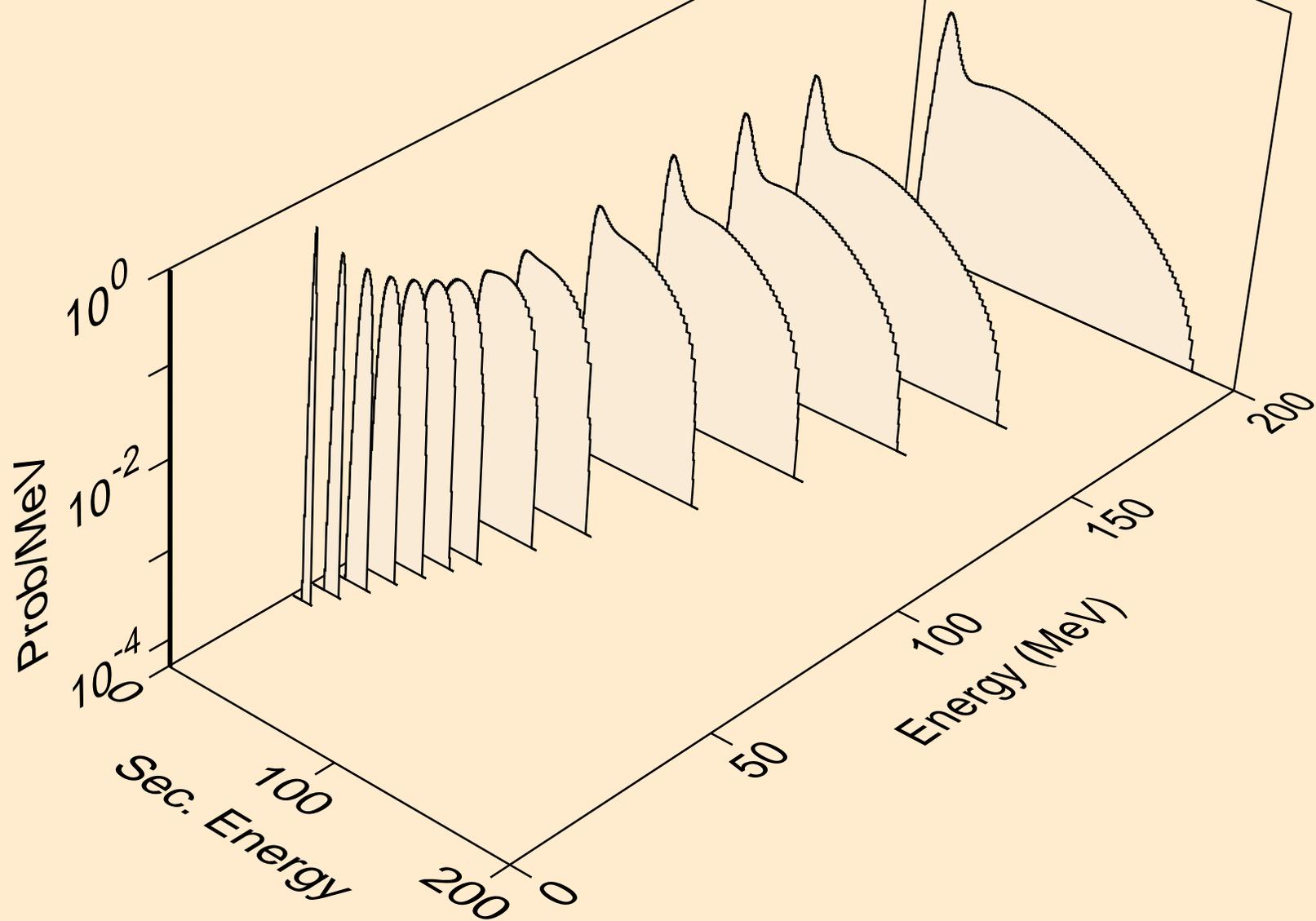Particle production cross sections

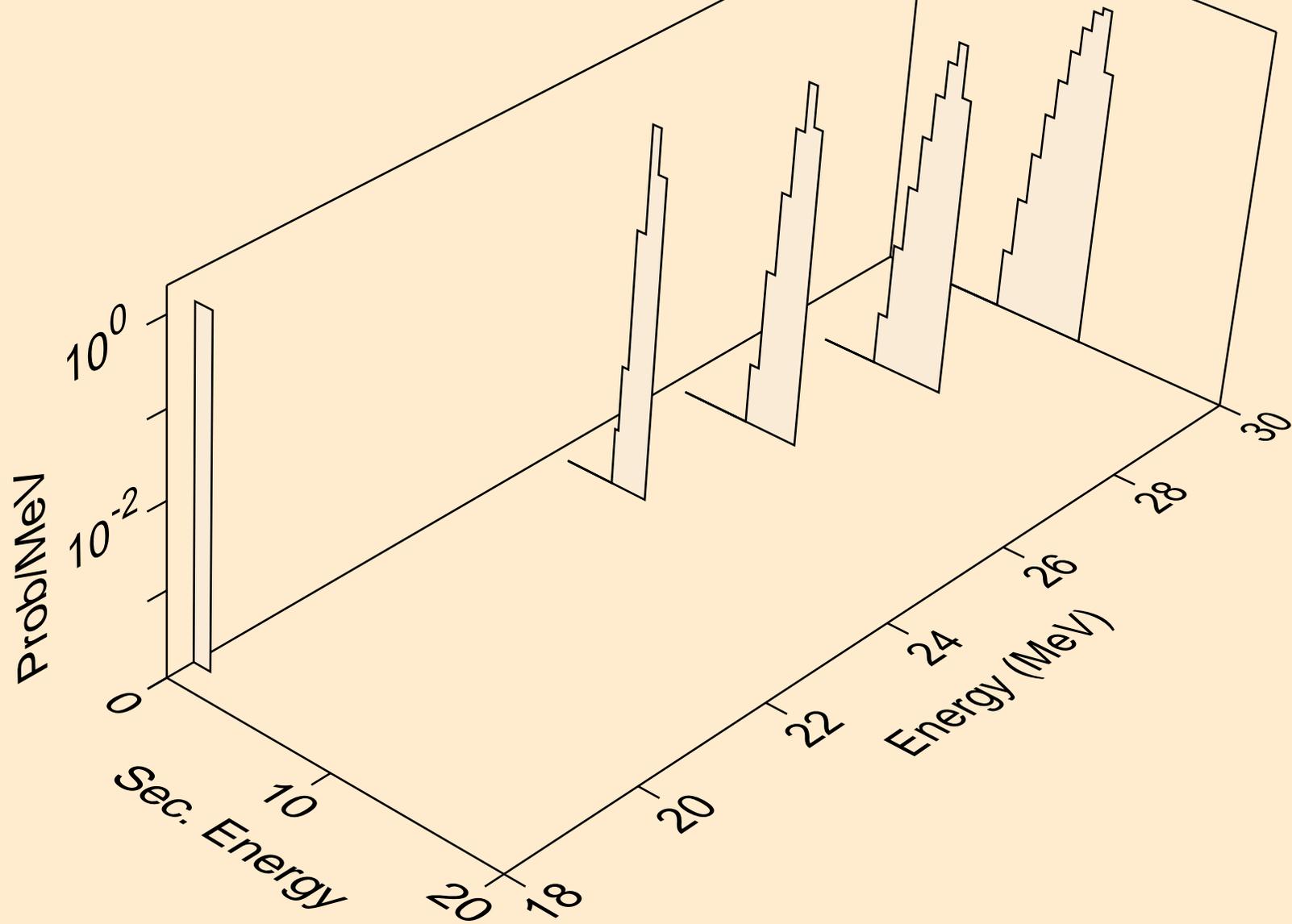DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
neutrons from (a,x)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
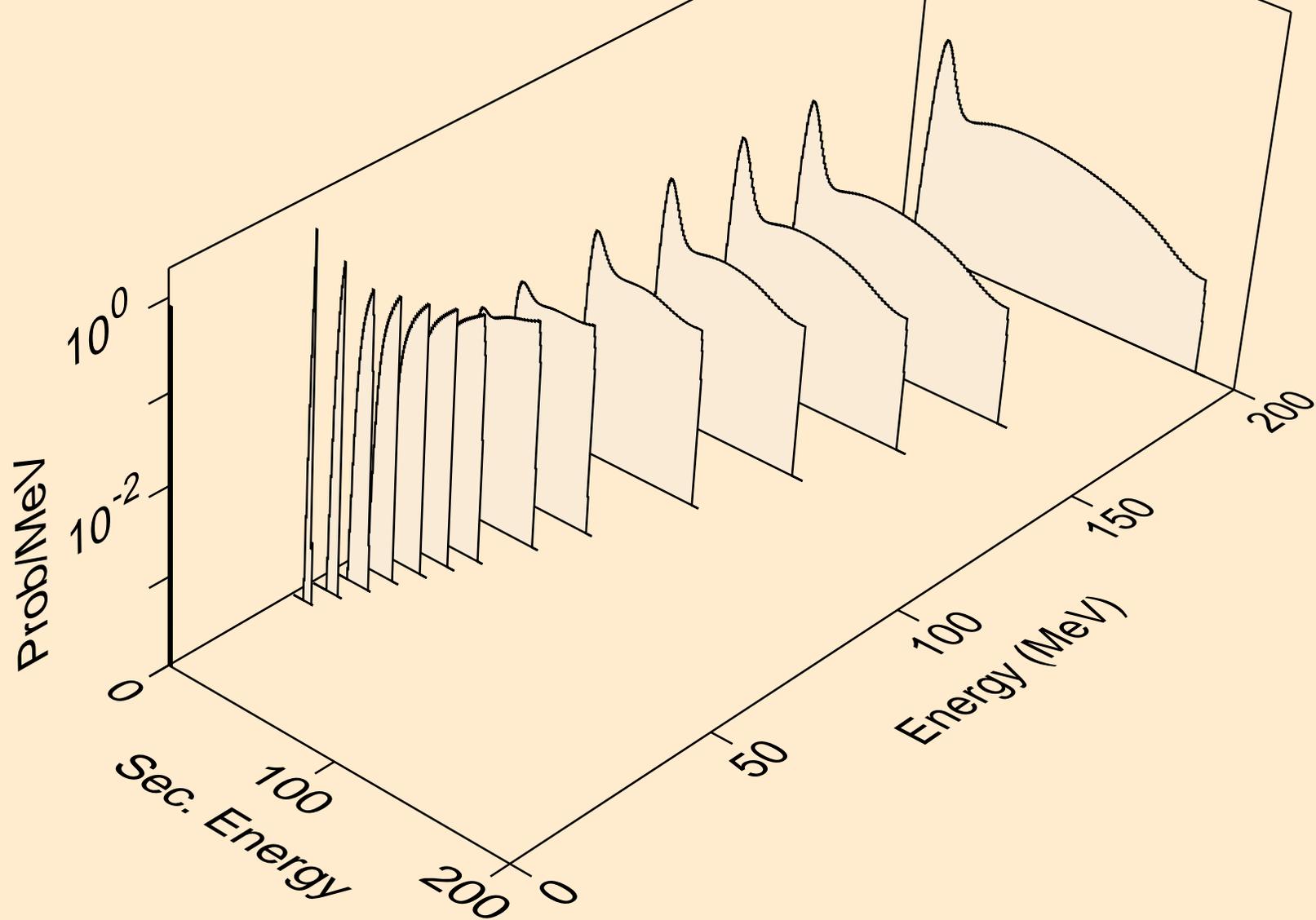protons from (a,x)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,x)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
deuterons from (a,d)

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
tritons from (a,x)

ProblMeV

10^0

10^{-2}

Sec. Energy

Energy (MeV)

0   100   200

0   50   100   150   200

DS280 ALPHA ACER TENDL-2021 LIBRARY; T=0.K
he3s from (a,x)

ProbIMeV

10^0

10^{-2}

0

Sec. Energy

100

200

Energy (MeV)

50

100

150

200

0