ENDF/B-III FE-NATA
Principal cross sections

Cross section (barns) vs Energy (MeV)

- total
- absorption
- elastic
- gamma production

ENDF/B-III FE-NATA
resonance total cross section
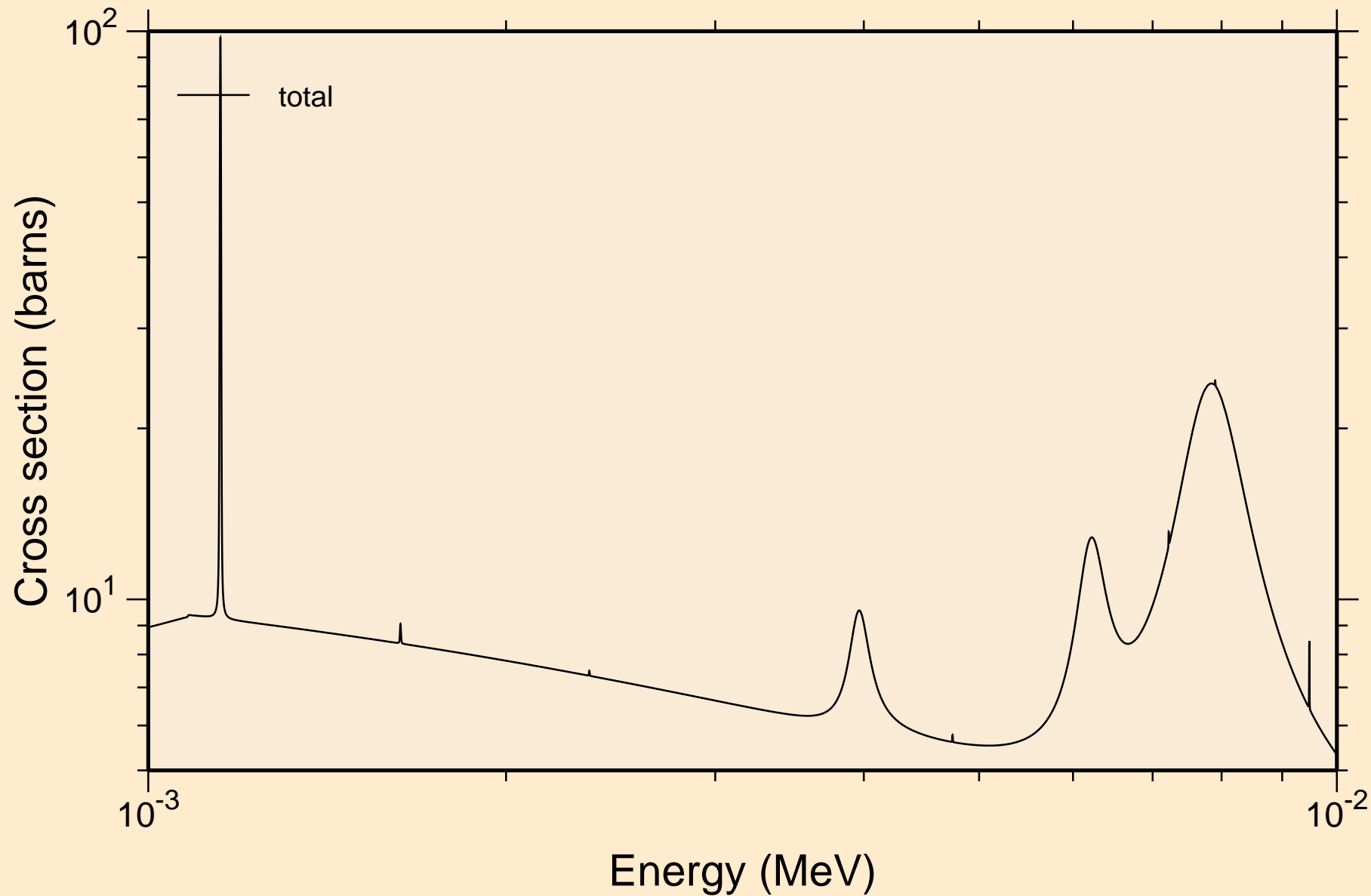
Cross section (barns)
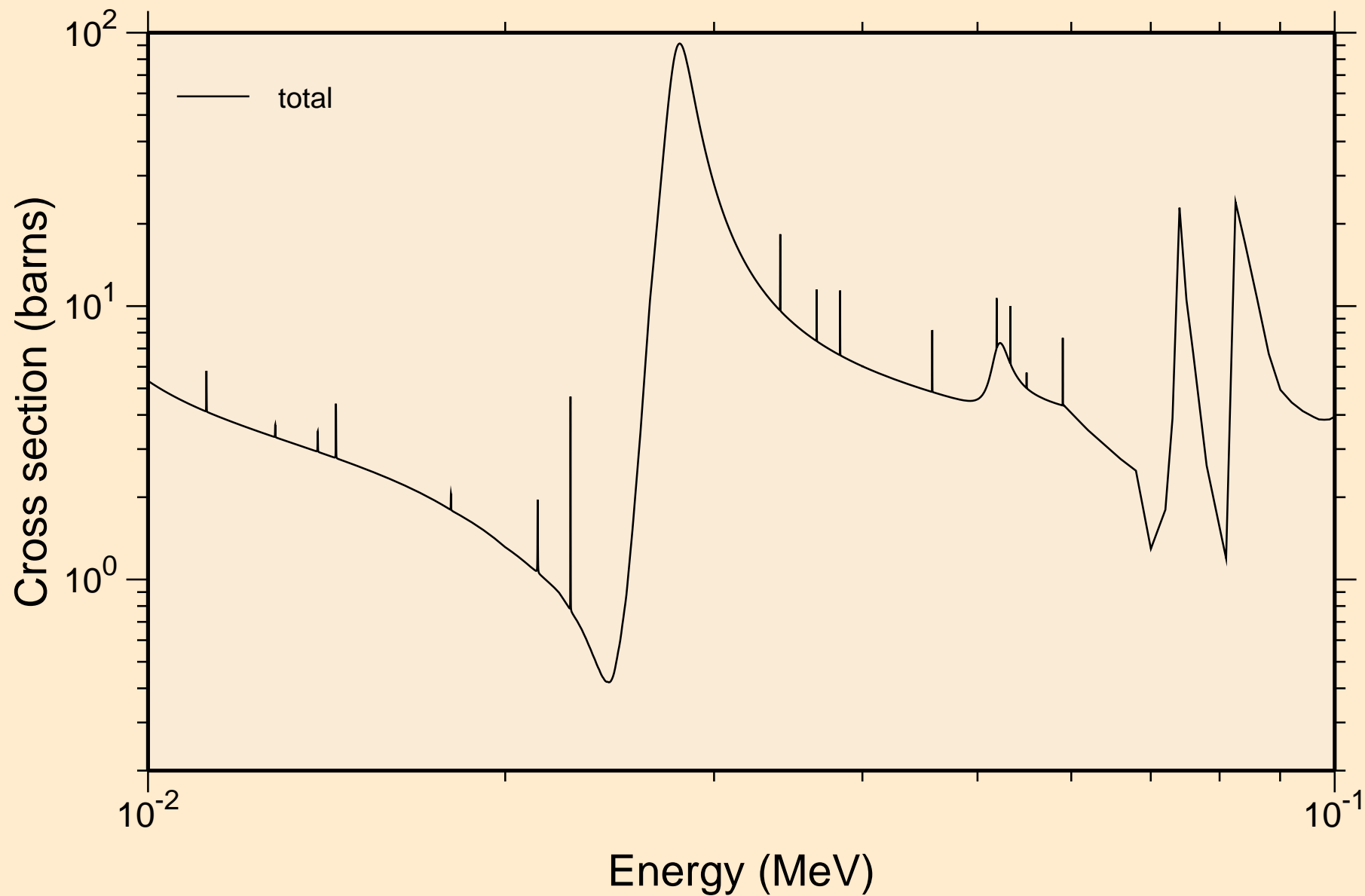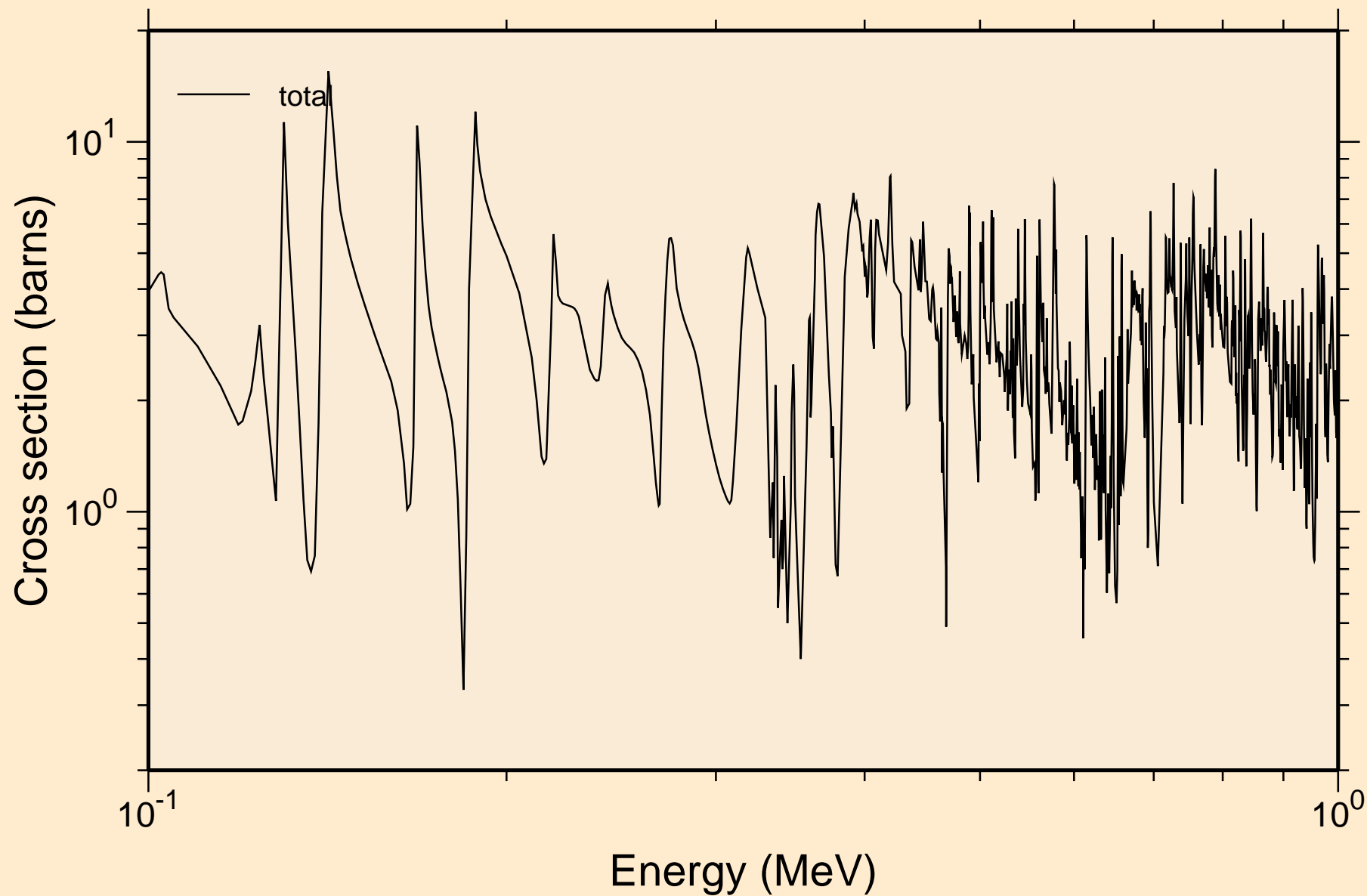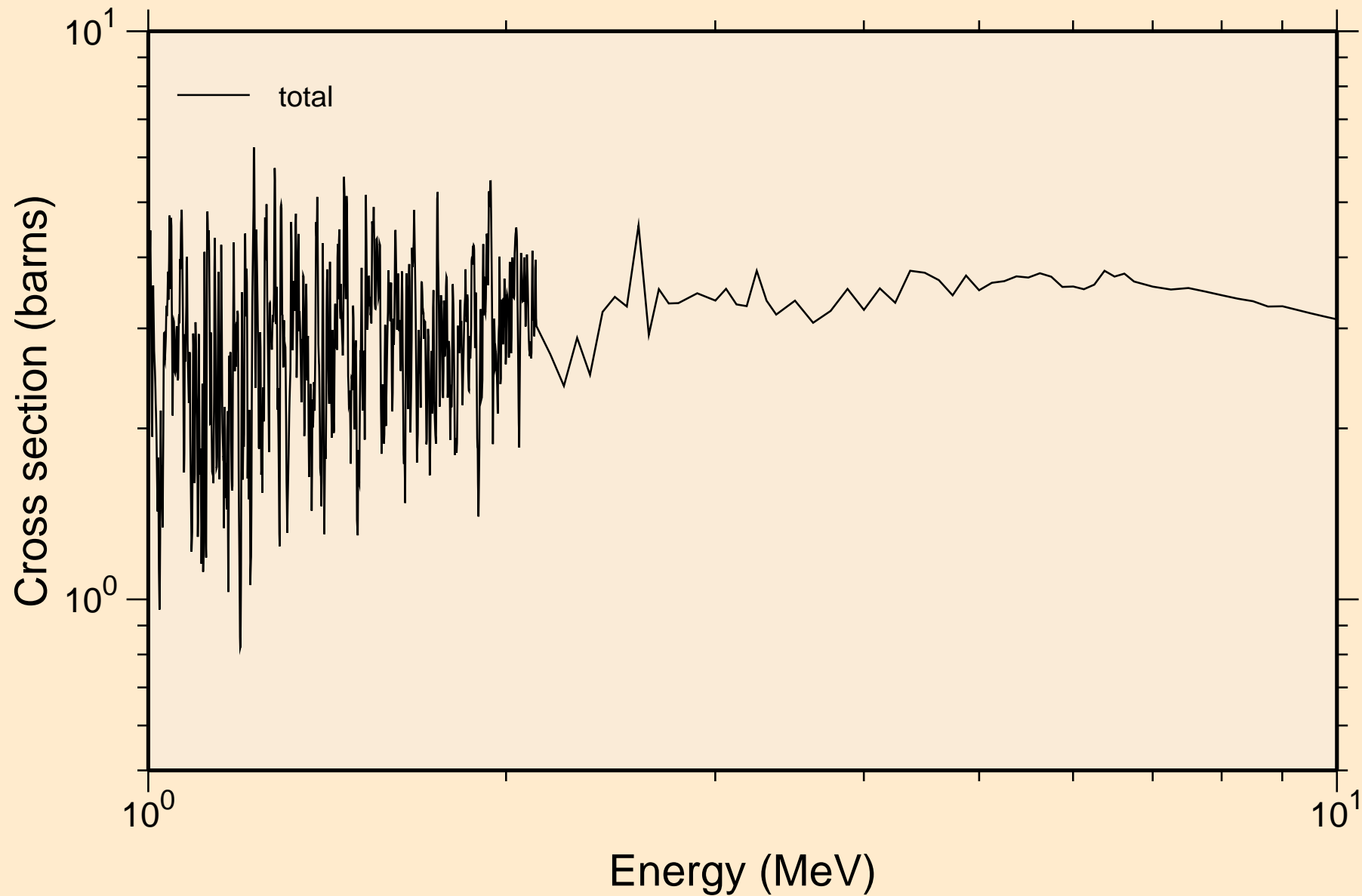
Energy (MeV)

total

ENDF/B-III FE-NATA
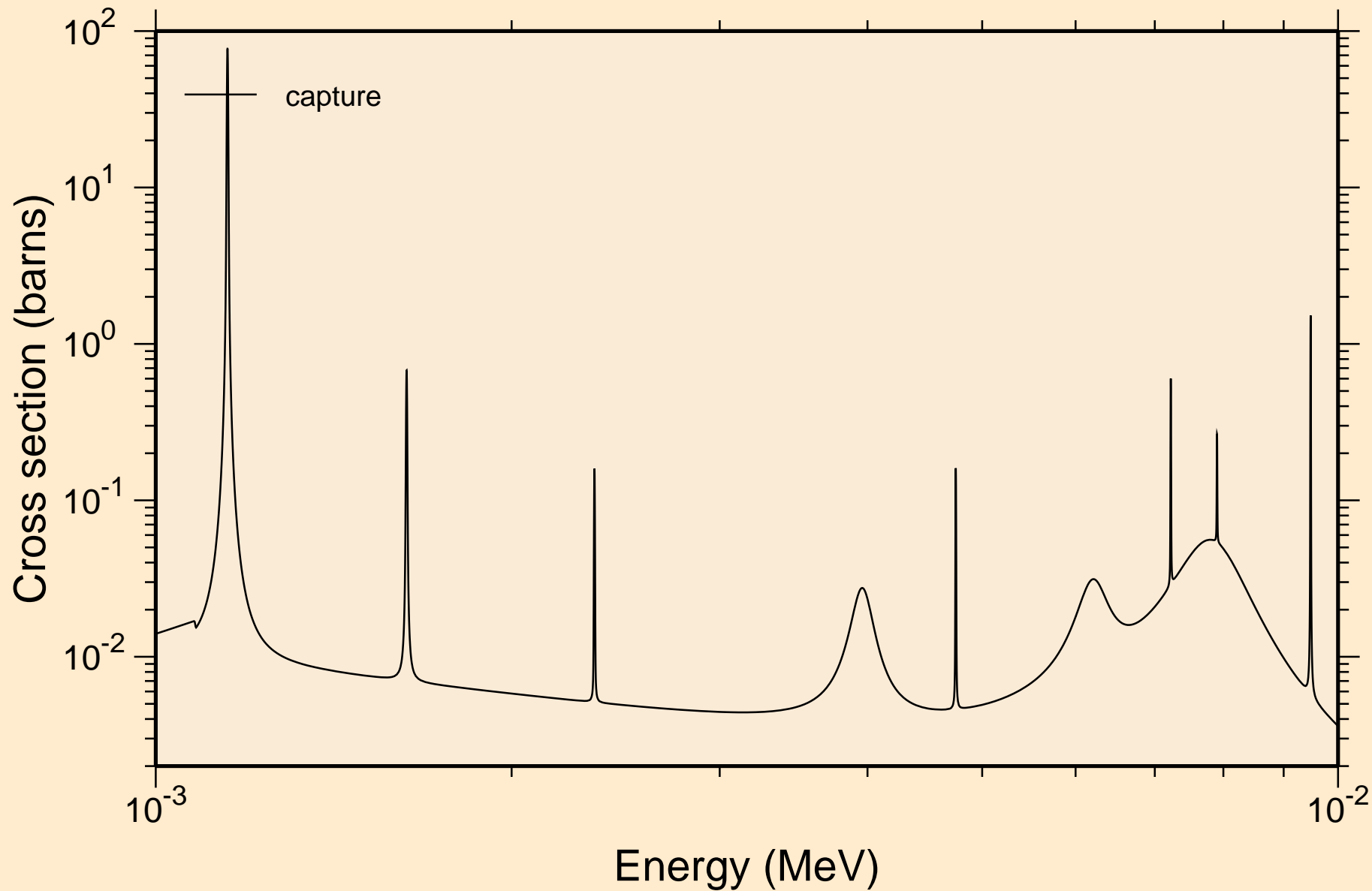resonance total cross section

ENDF/B-III FE-NATA
resonance total cross section
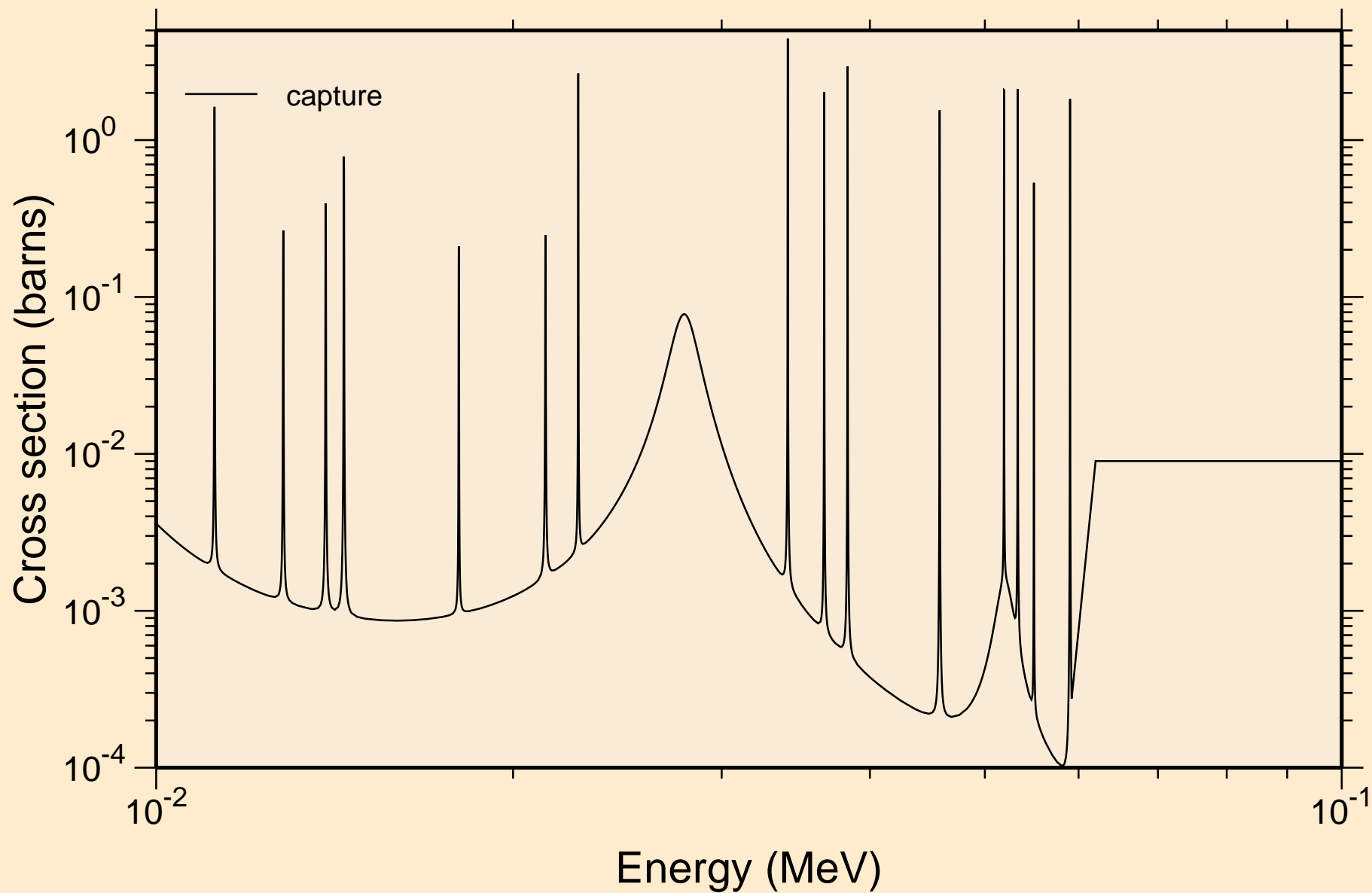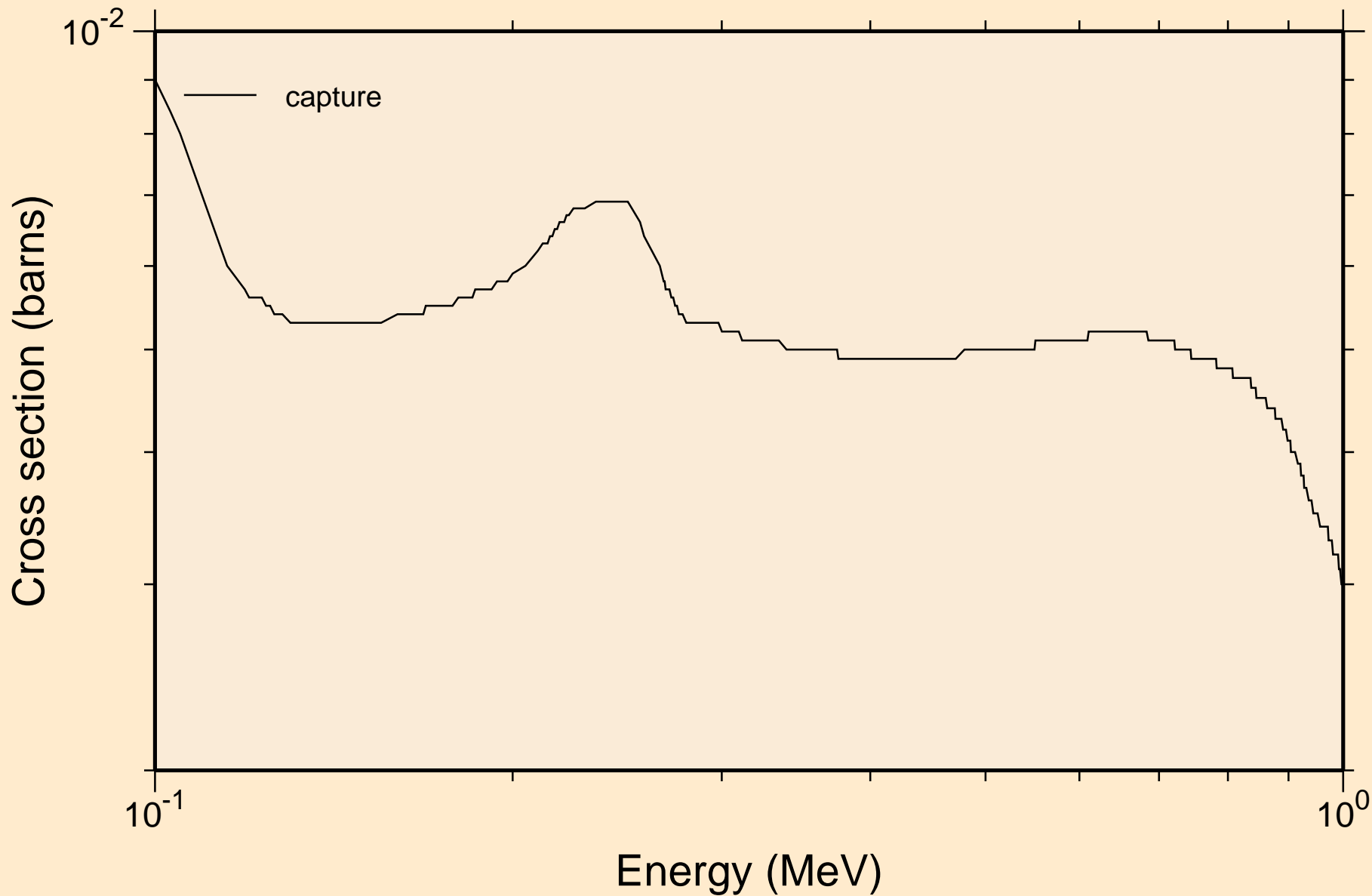
ENDF/B-III FE-NATA
resonance total cross section
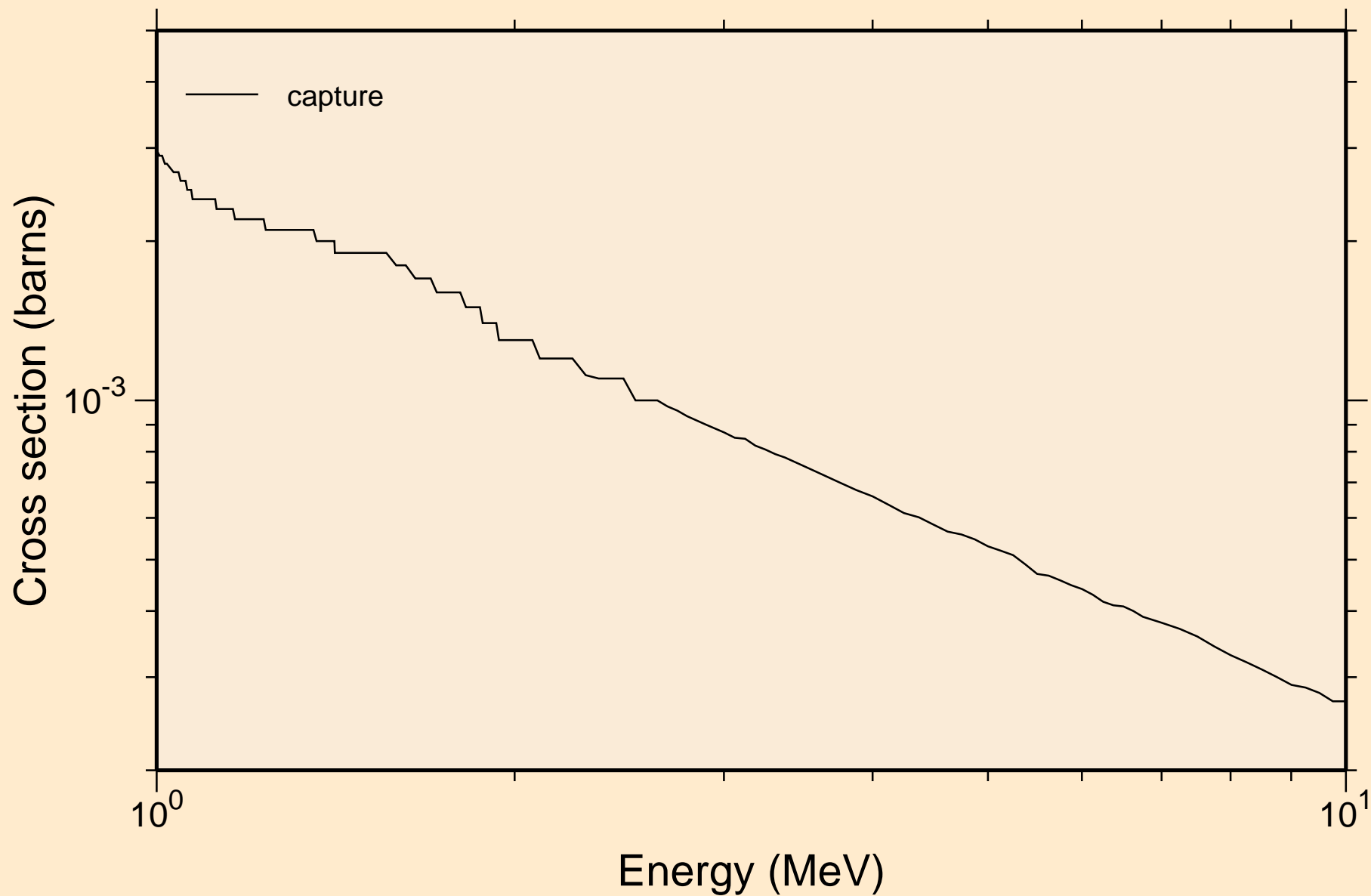
ENDF/B-III FE-NATA
resonance absorption cross sections

capture

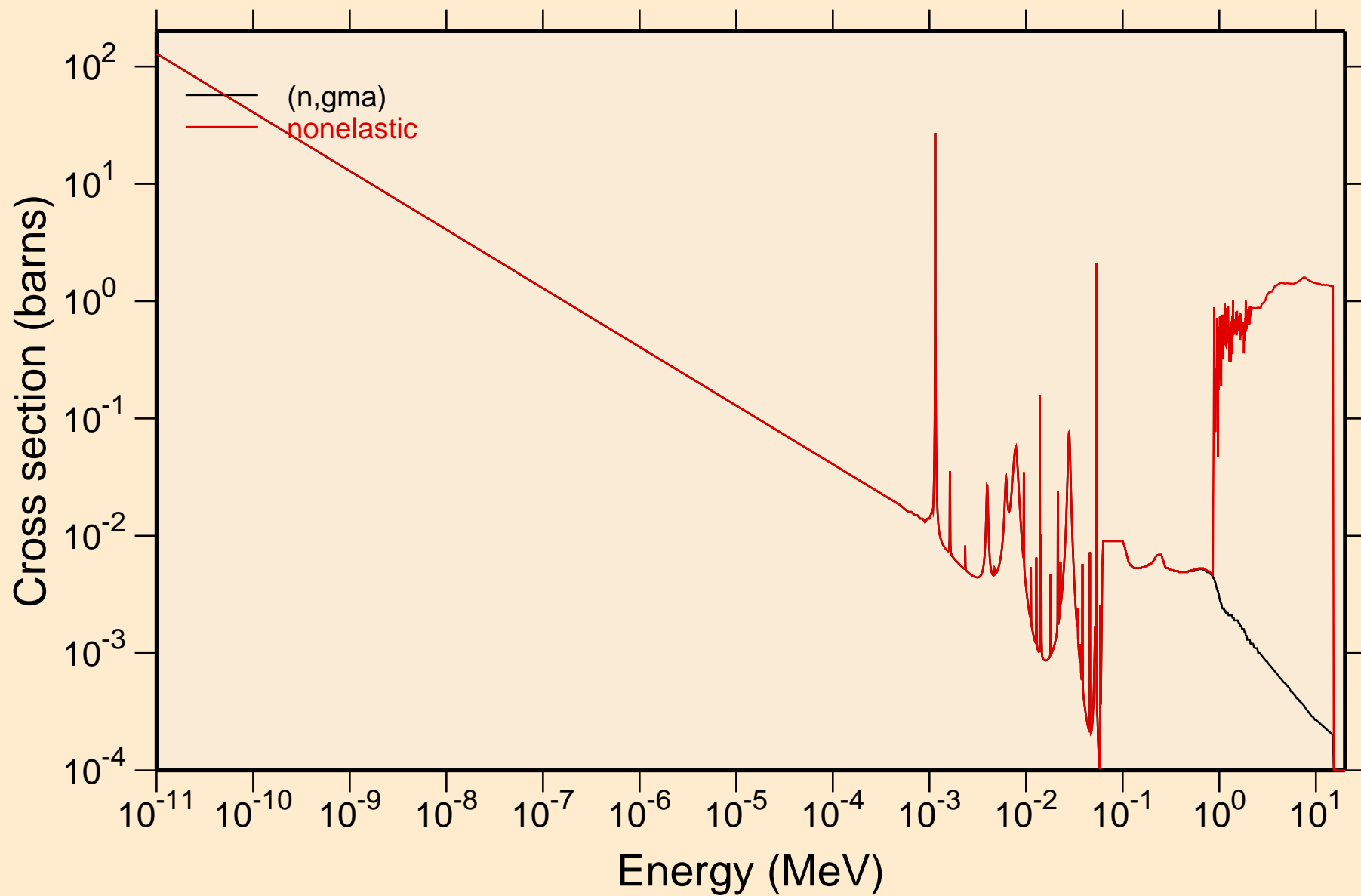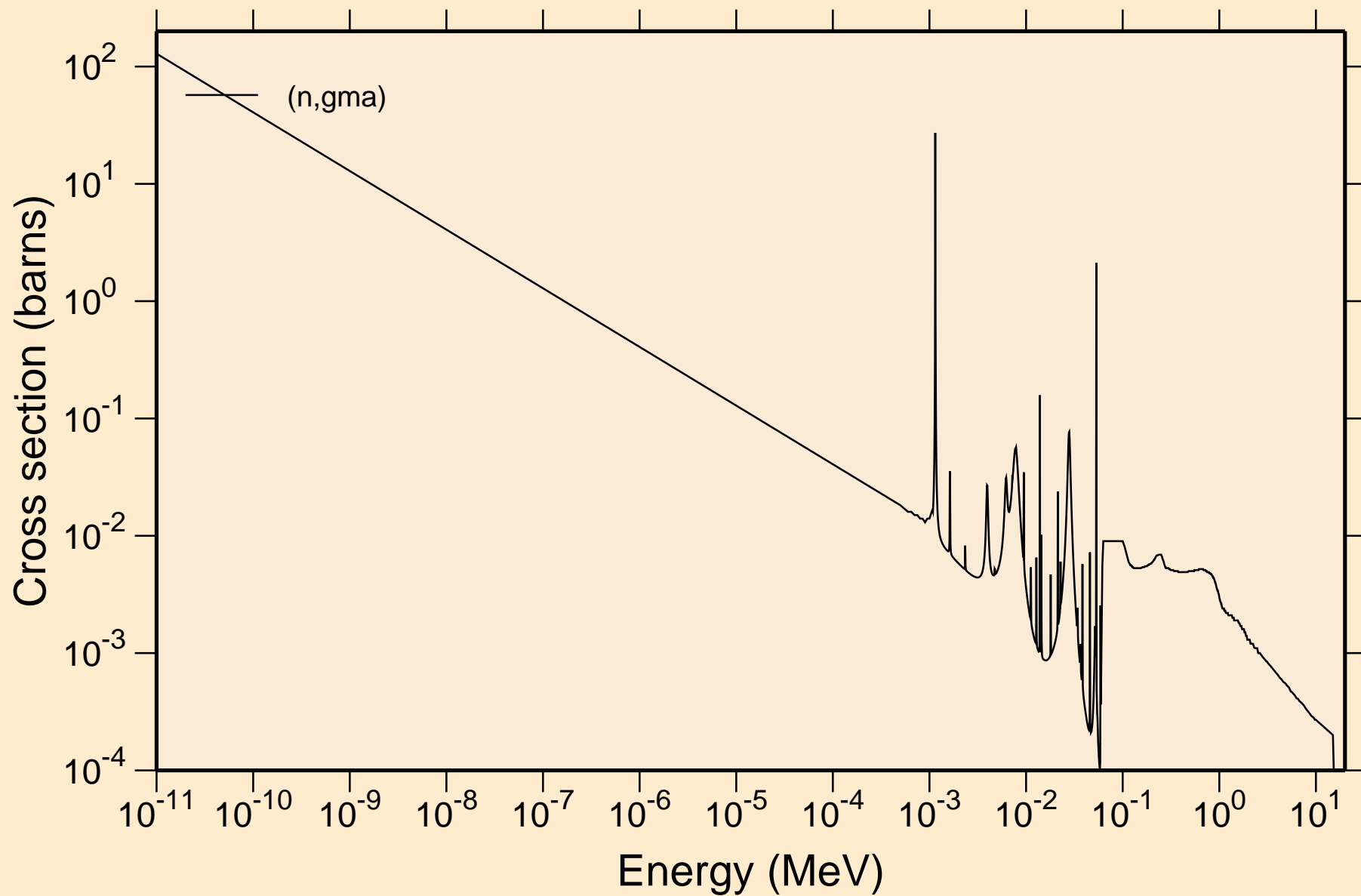Cross section (barns)

Energy (MeV)

ENDF/B-III FE-NATA
resonance absorption cross sections

ENDF/B-III FE-NATA
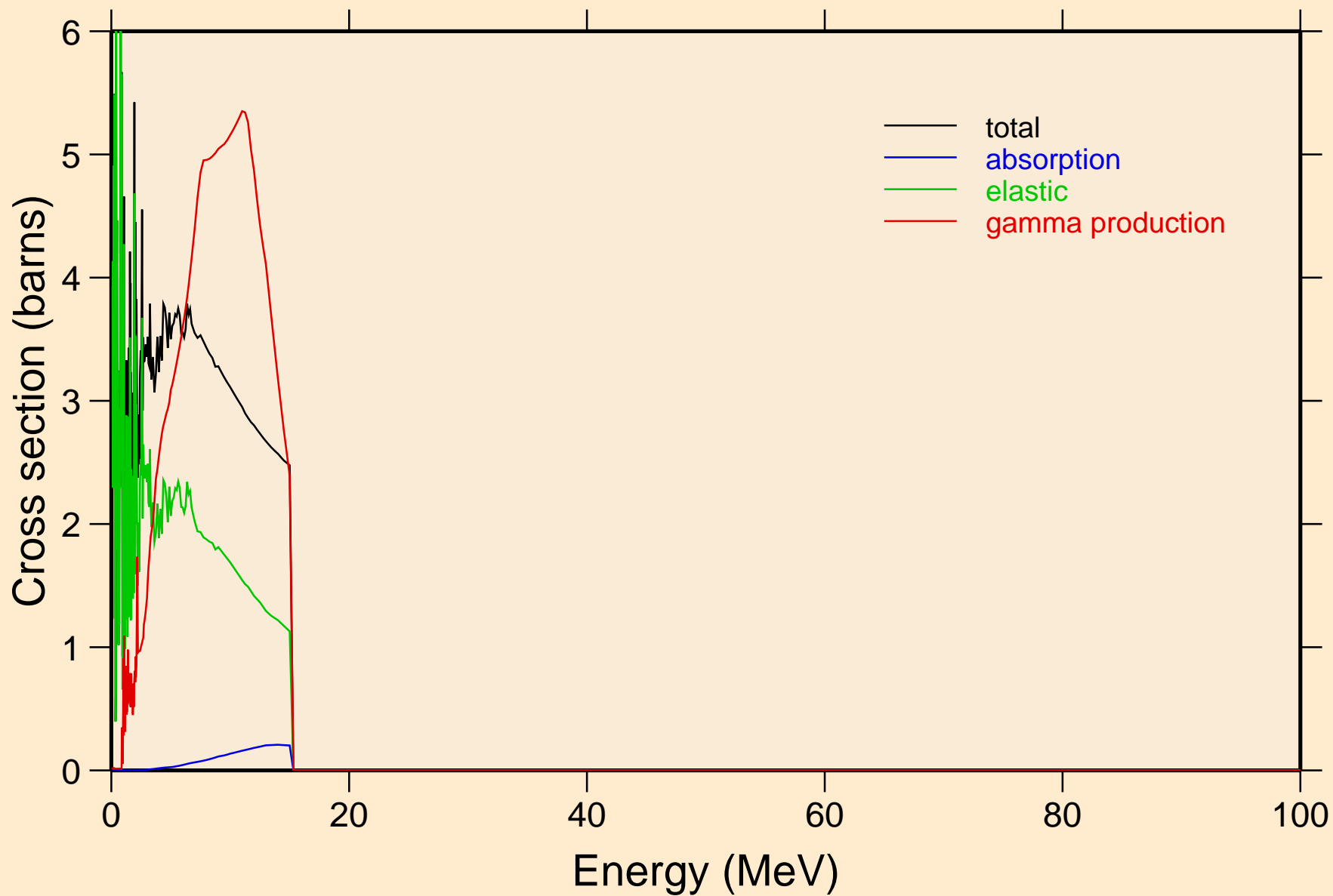resonance absorption cross sections

Cross section (barns)

Energy (MeV)

capture

ENDF/B-III FE-NATA
resonance absorption cross sections

capture

Cross section (barns)

10^{-3}

Energy (MeV)

10^0 10^1

ENDF/B-III FE-NATA
Non-threshold reactions

(n,gma)
nonelastic

Cross section (barns)

Energy (MeV)

ENDF/B-III FE-NATA
Non-threshold reactions

(n,gma)

Cross section (barns)

Energy (MeV)

ENDF/B-III FE-NATA
Principal cross sections

total
absorption
elastic
gamma production

ENDF/B-III FE-NATA
Non-threshold reactions

(n,gma)
nonelastic

ENDF/B-III FE-NATA
Non-threshold reactions

(n,gma)

Cross section (barns)

10^{-3}
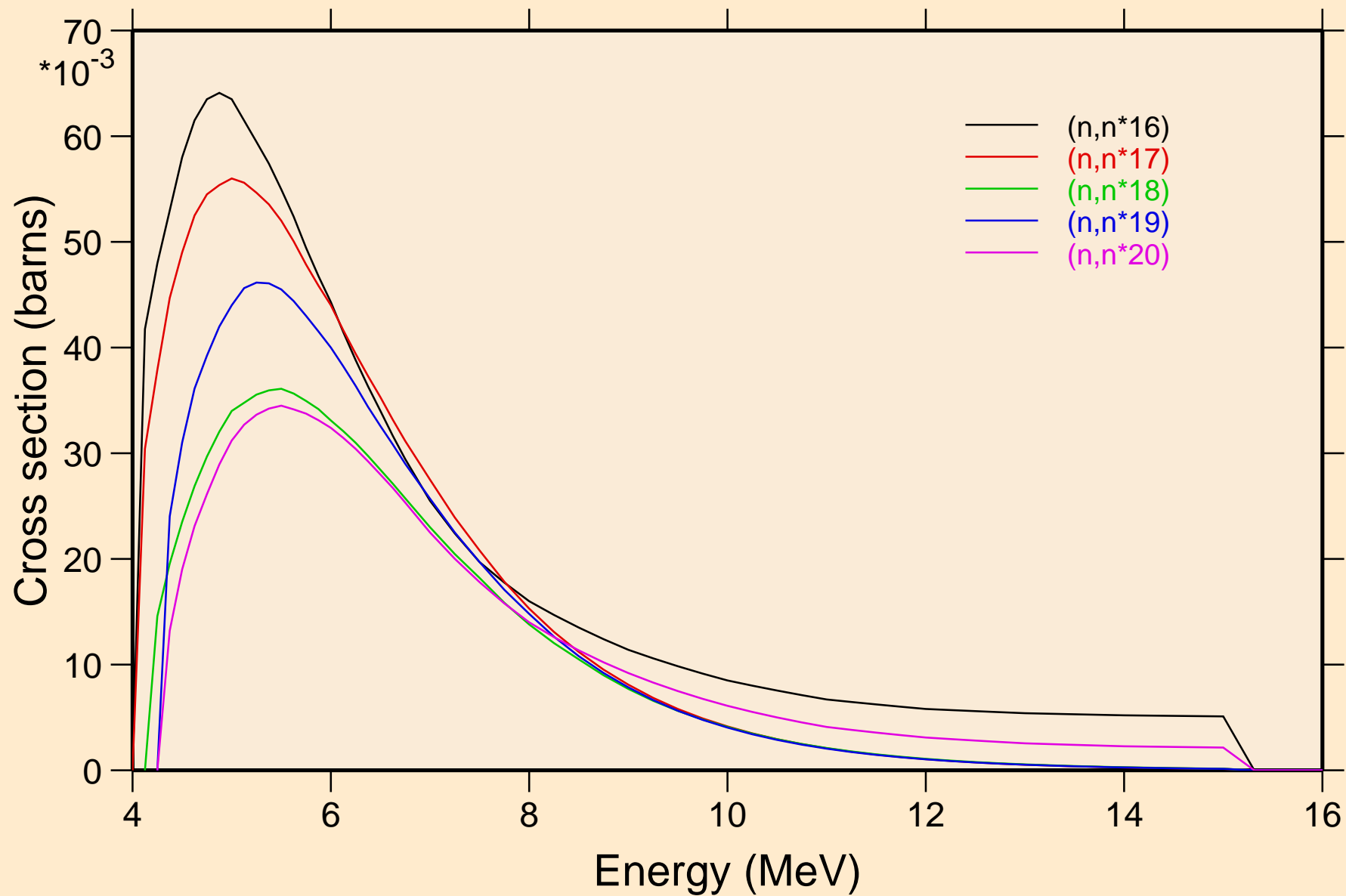
Energy (MeV)

ENDF/B-III FE-NATA
Inelastic levels

ENDF/B-III FE-NATA
Inelastic levels

(n,n*6)
(n,n*7)
(n,n*8)
(n,n*9)
(n,n*10)
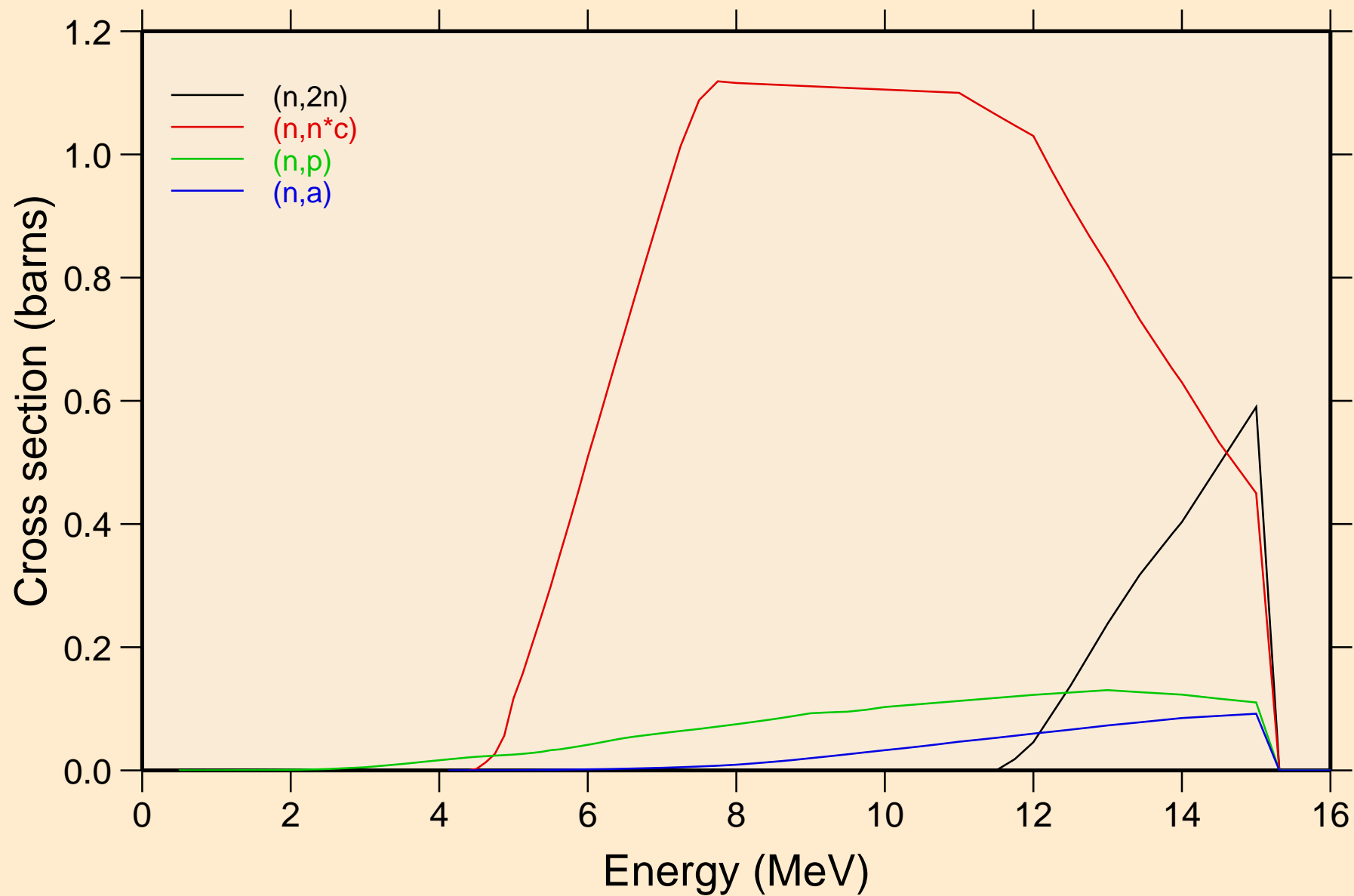
ENDF/B-III FE-NATA
Inelastic levels

ENDF/B-III FE-NATA
Inelastic levels

Cross section (barns) vs Energy (MeV)

(n,n*16)
(n,n*17)
(n,n*18)
(n,n*19)
(n,n*20)

ENDF/B-III FE-NATA
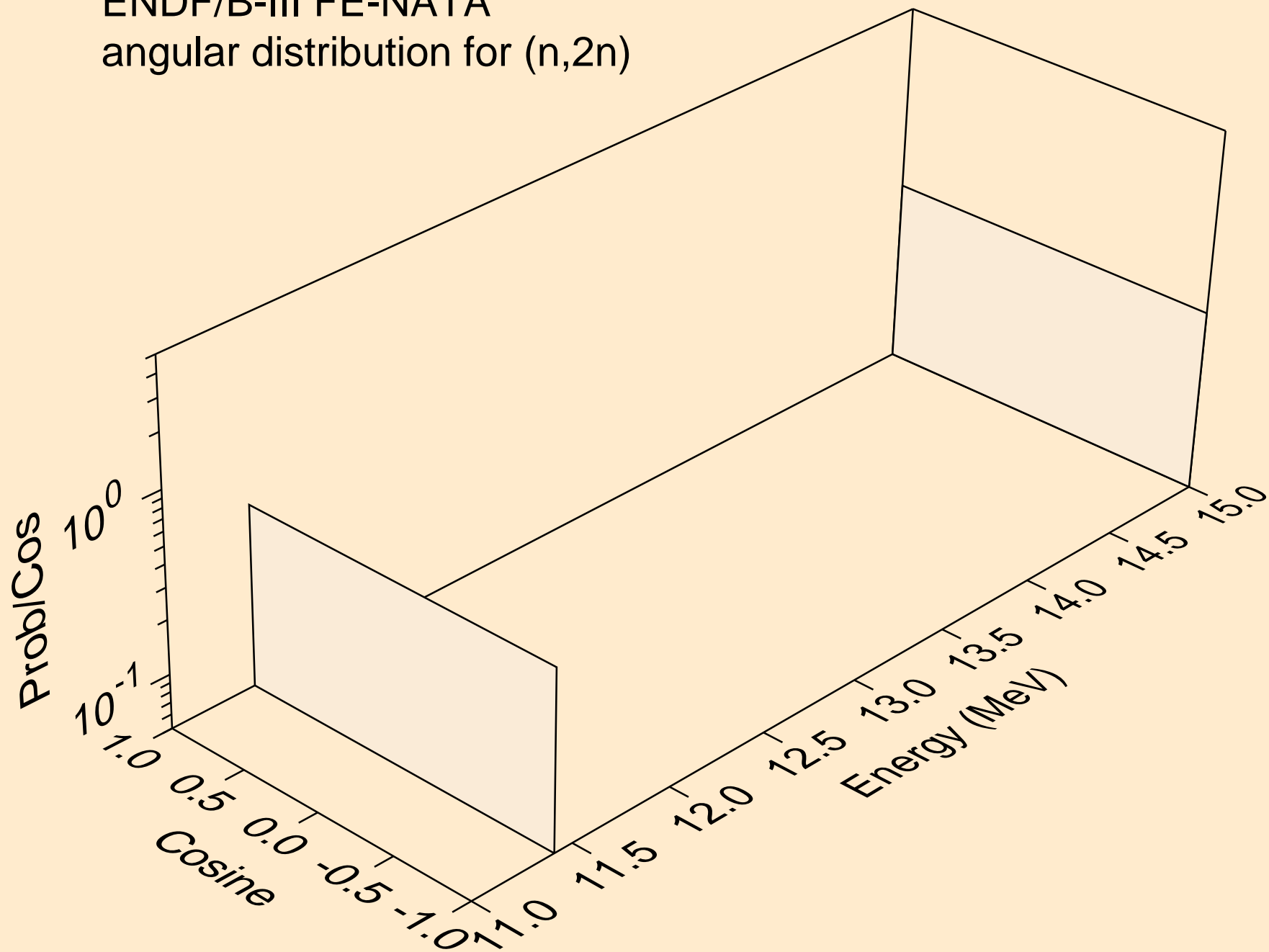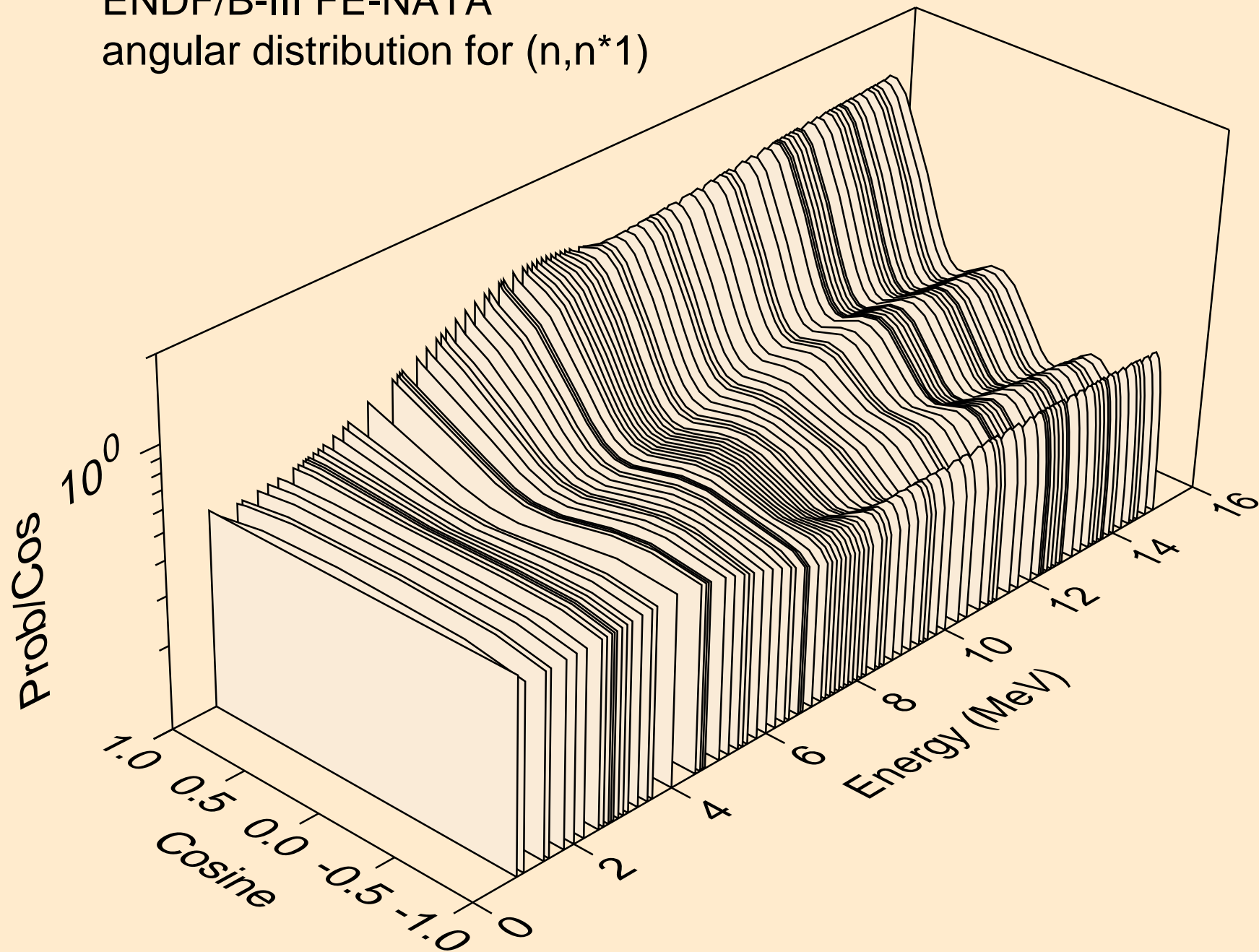Threshold reactions

(n,2n)
(n,n*c)
(n,p)
(n,a)

ENDF/B-III FE-NATA
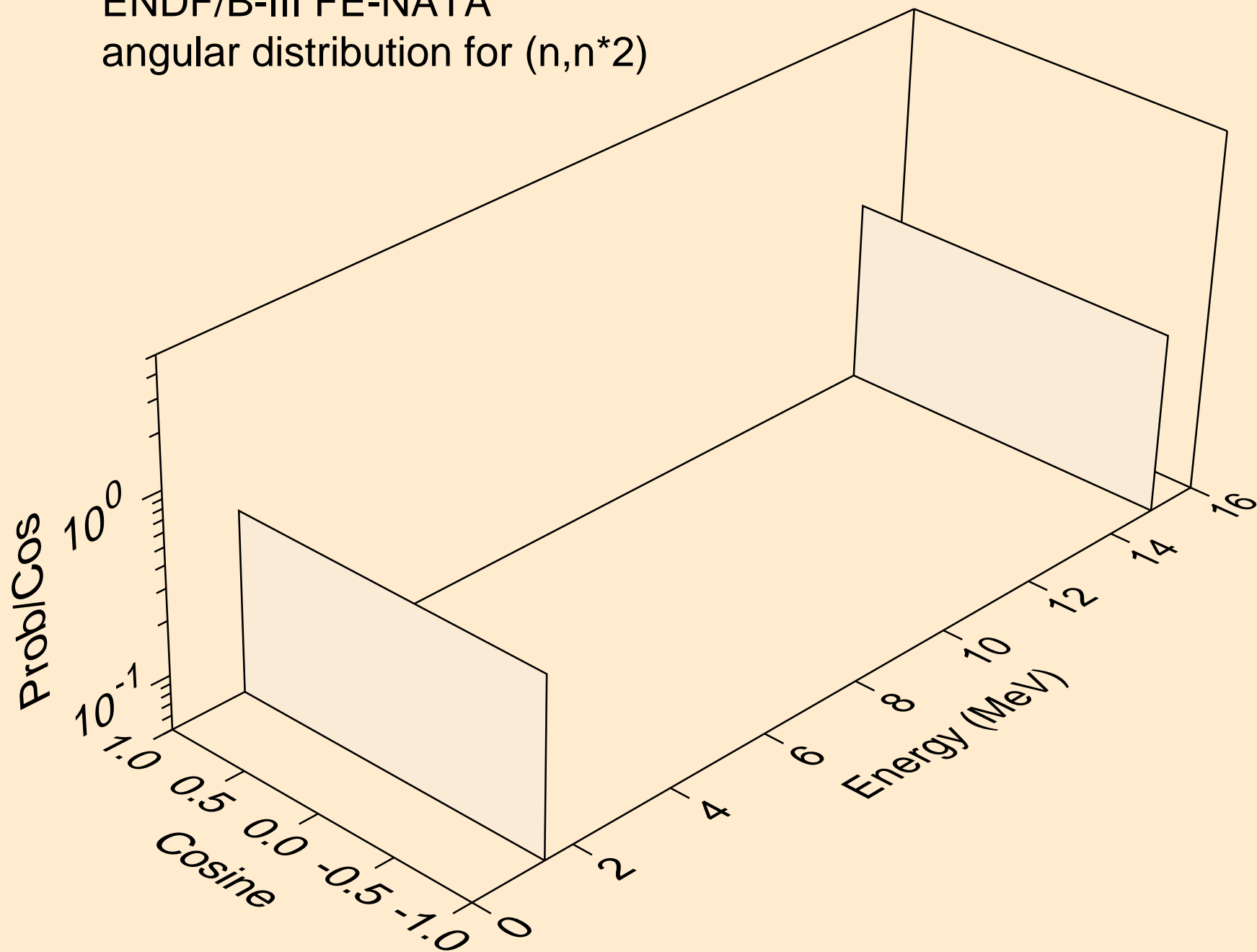angular distribution for elastic
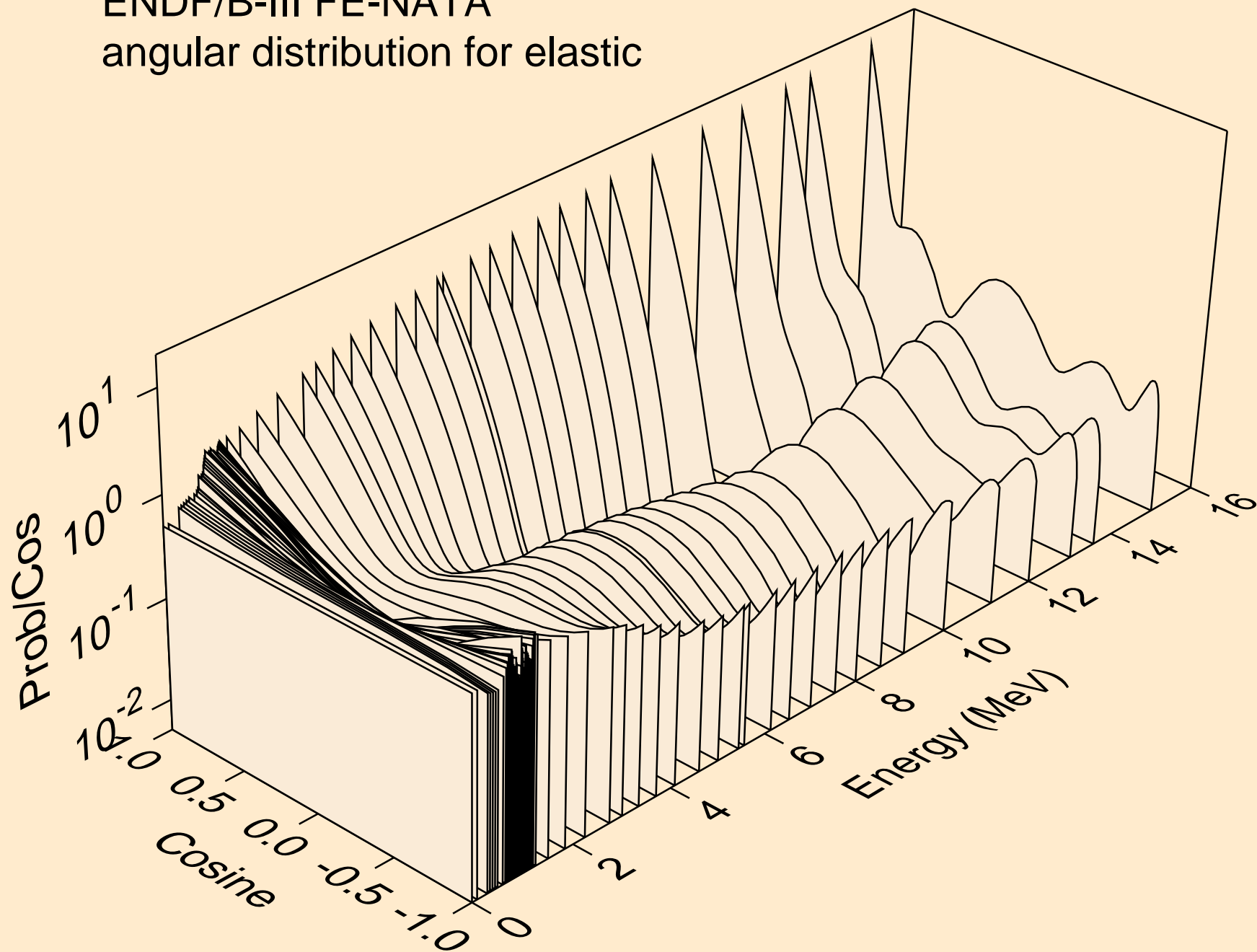
ENDF/B-III FE-NATA
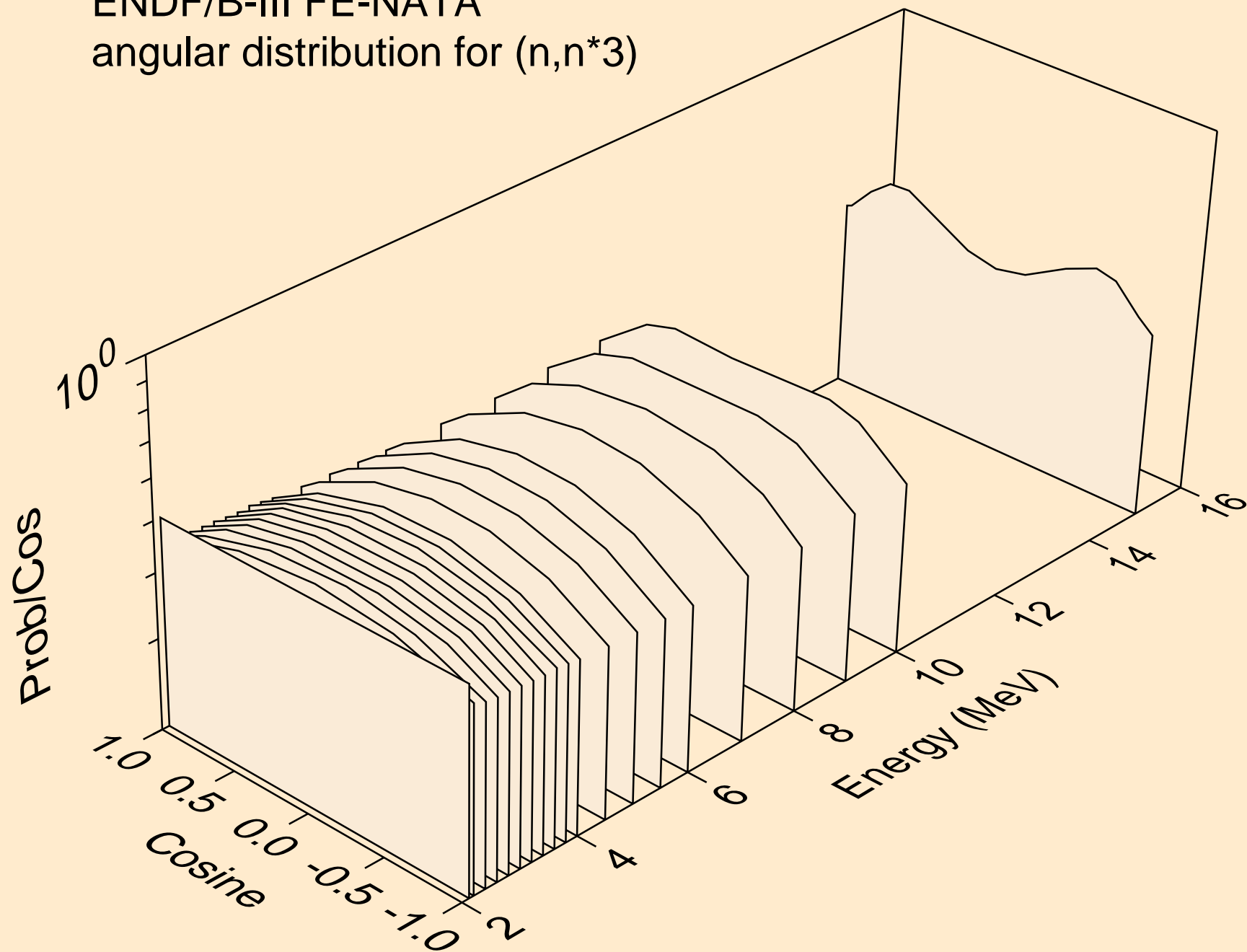angular distribution for (n,2n)

ENDF/B-III FE-NATA
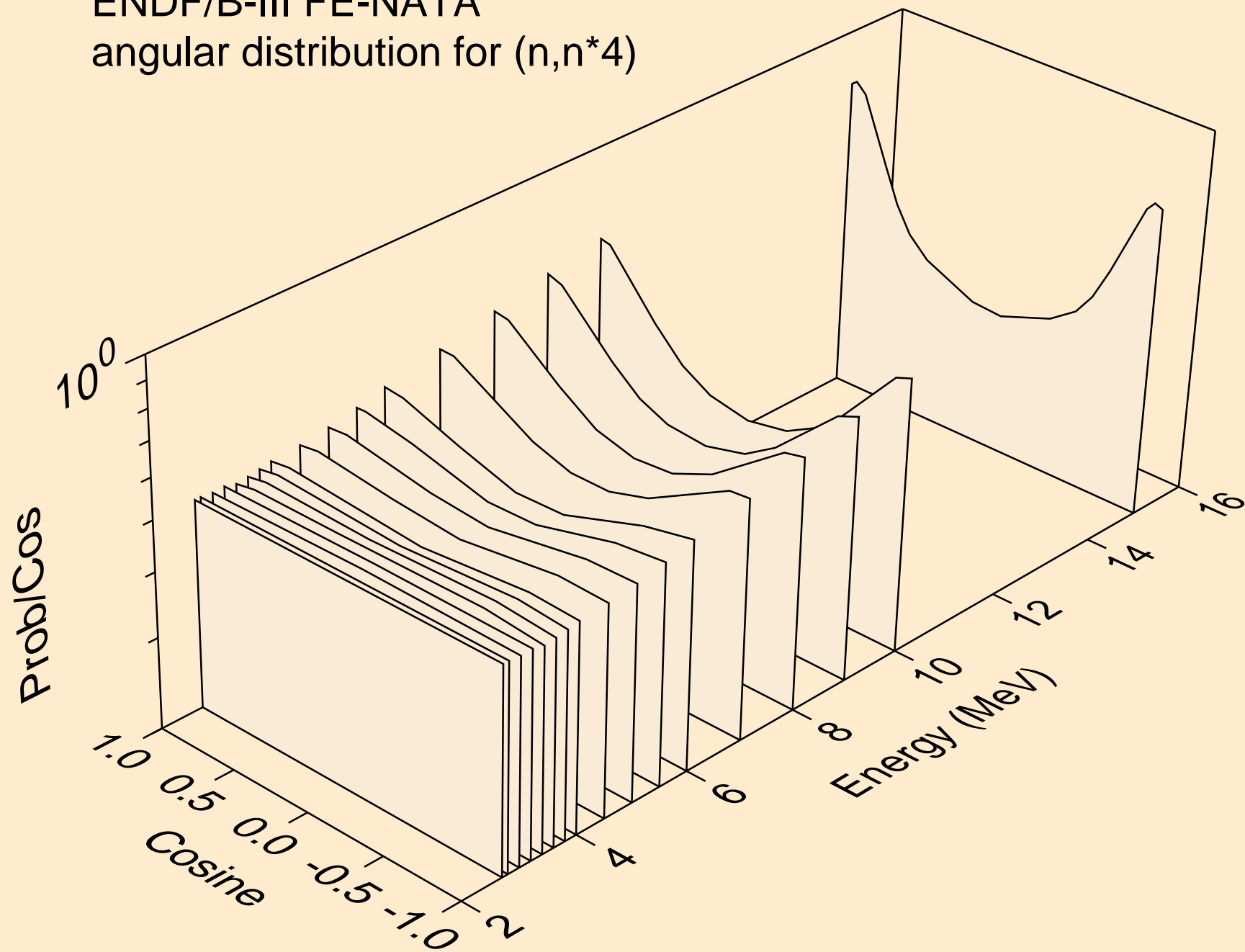angular distribution for (n,n*1)

ENDF/B-III FE-NATA
angular distribution for (n,n*2)

ENDF/B-III FE-NATA
angular distribution for (n,n*3)

ENDF/B-III FE-NATA
angular distribution for (n,n*4)

ProbICos

10^0

Cosine

1.0 0.5 0.0 -0.5 -1.0

Energy (MeV)
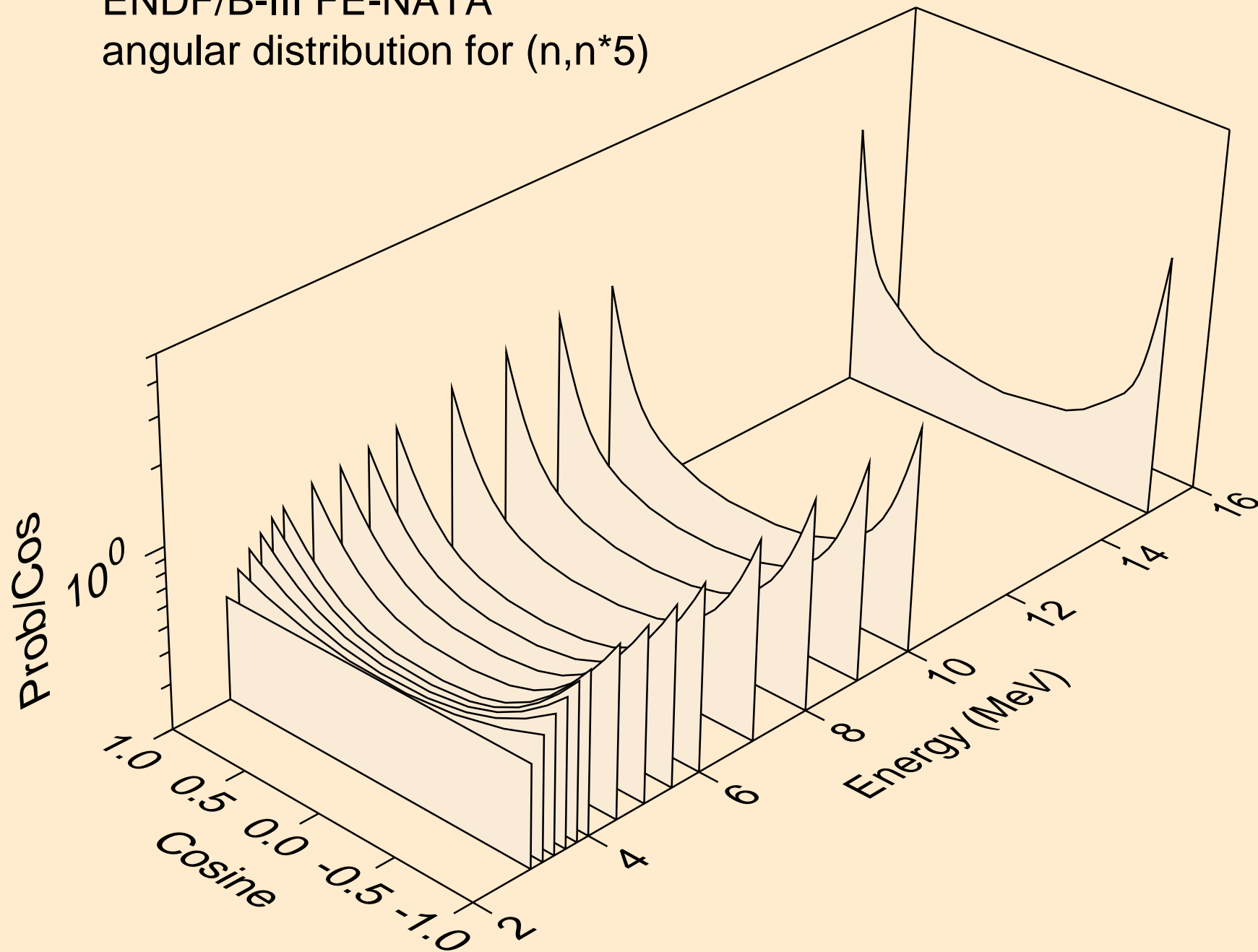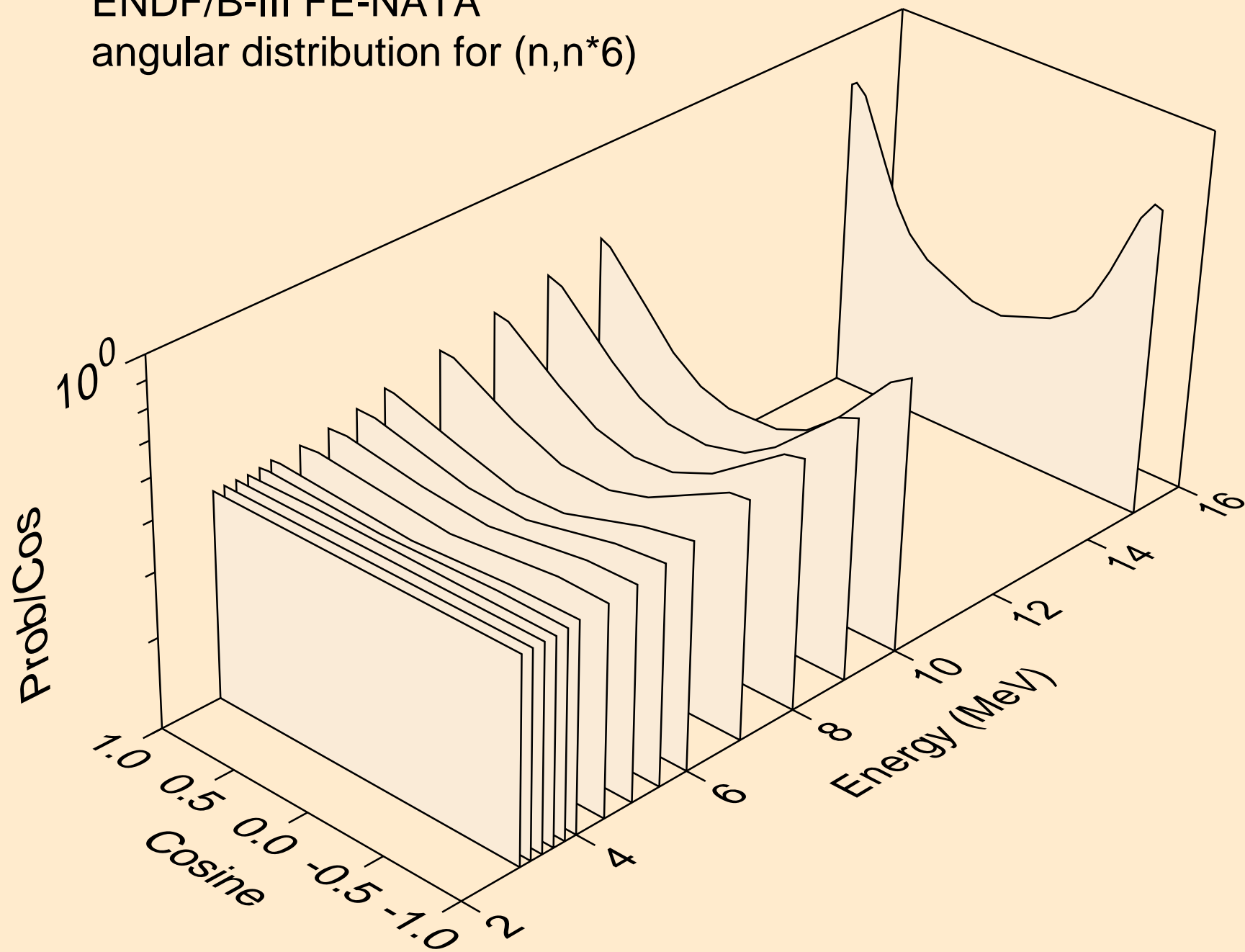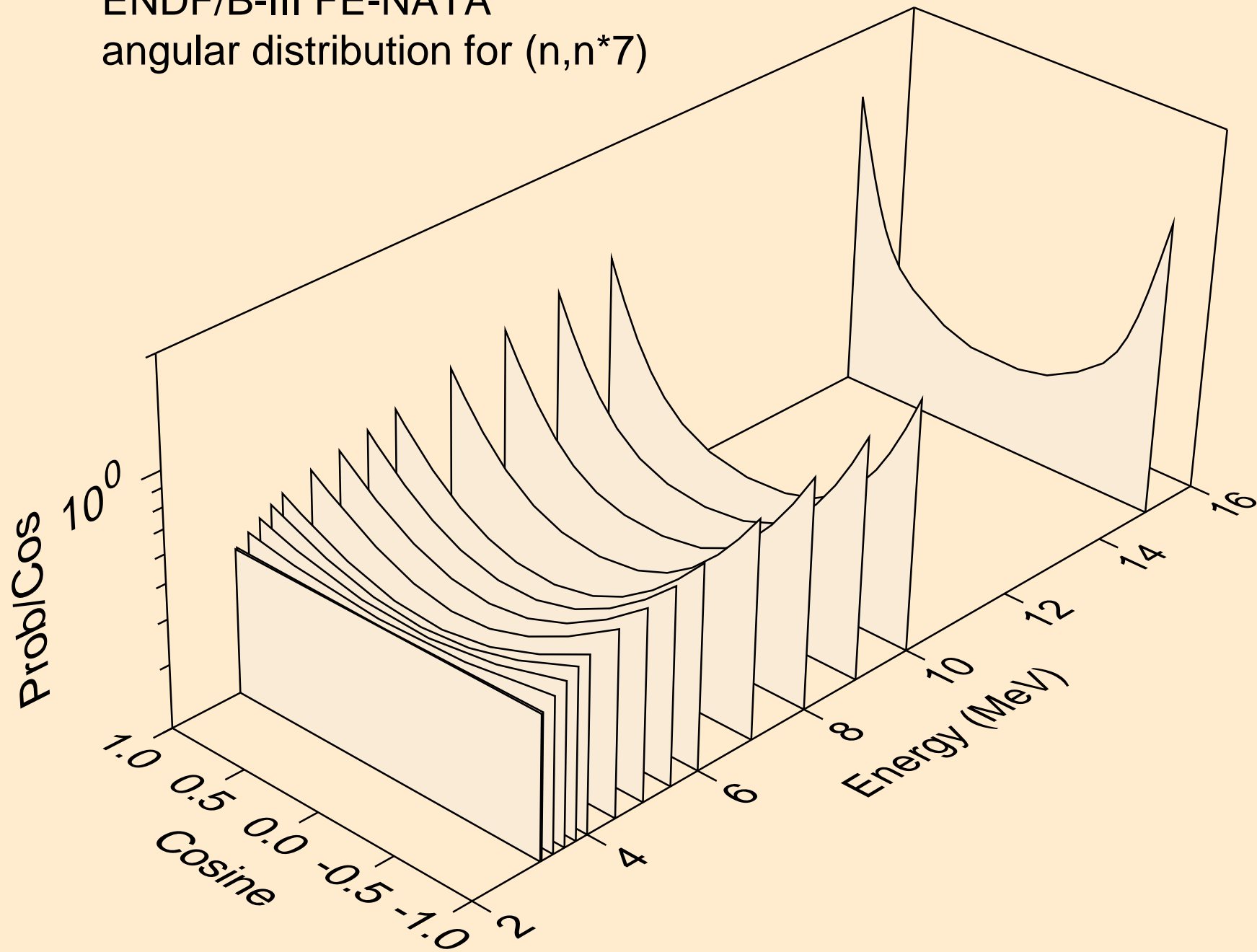
2 4 6 8 10 12 14 16

ENDF/B-III FE-NATA
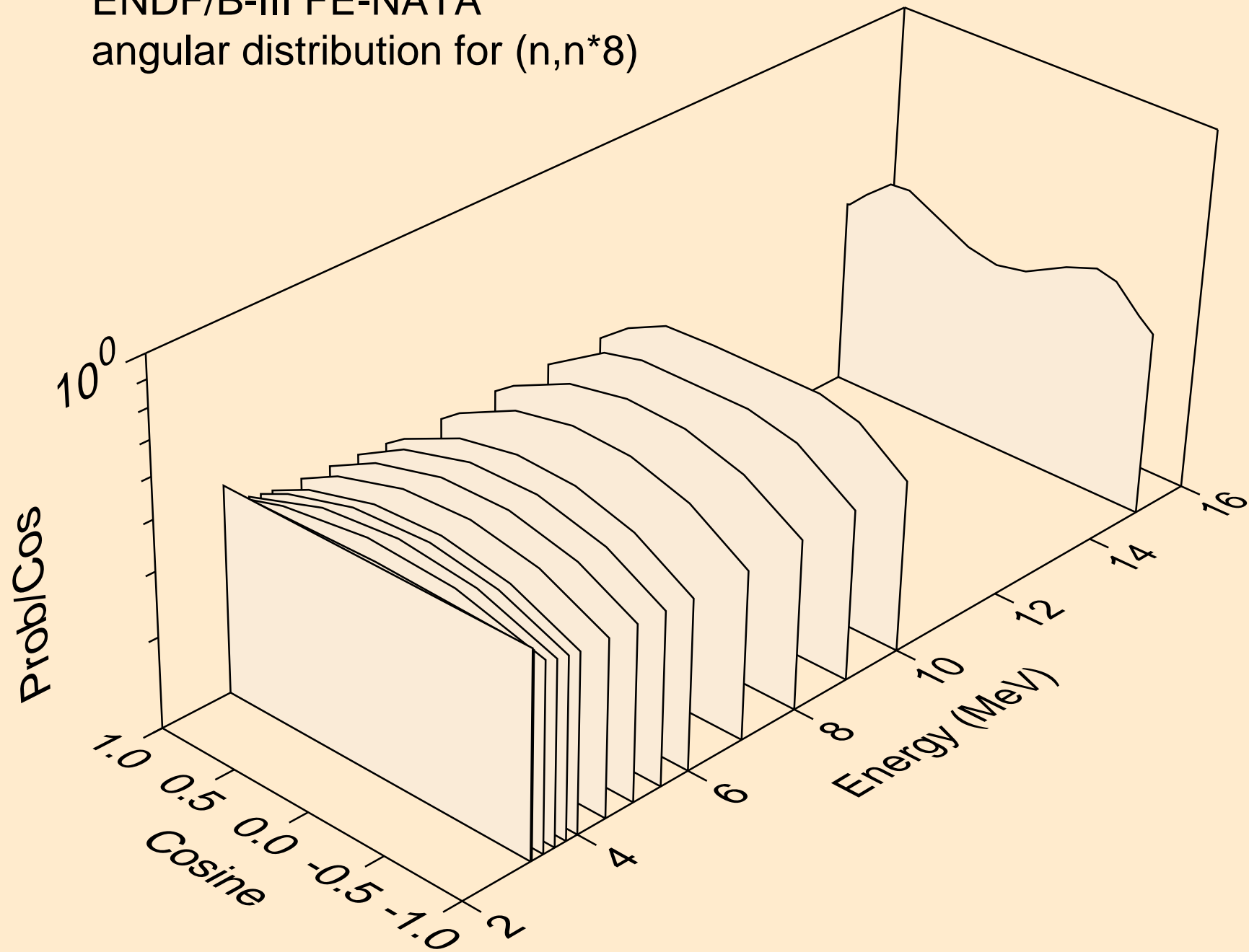angular distribution for (n,n*5)

ENDF/B-III FE-NATA
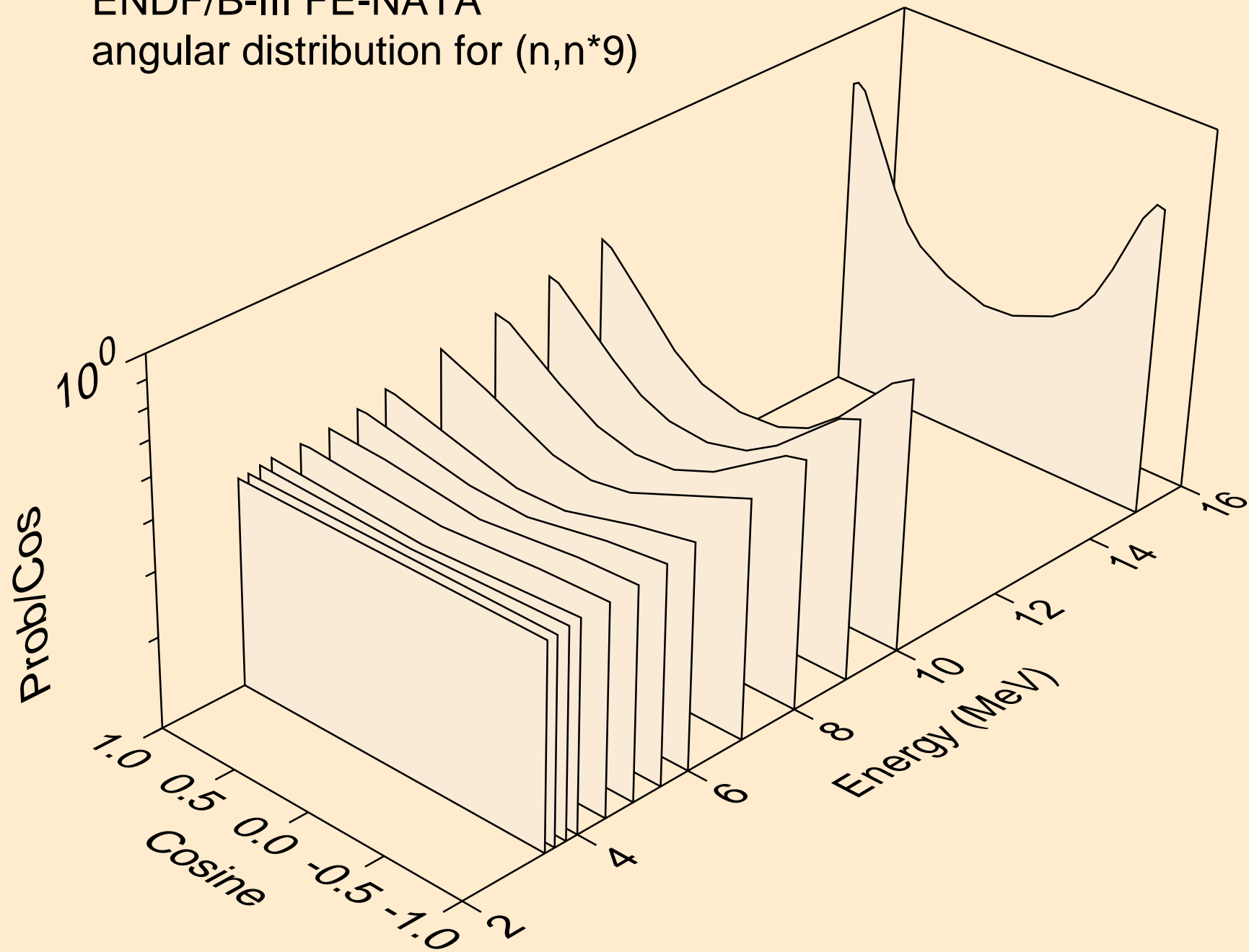angular distribution for (n,n*6)

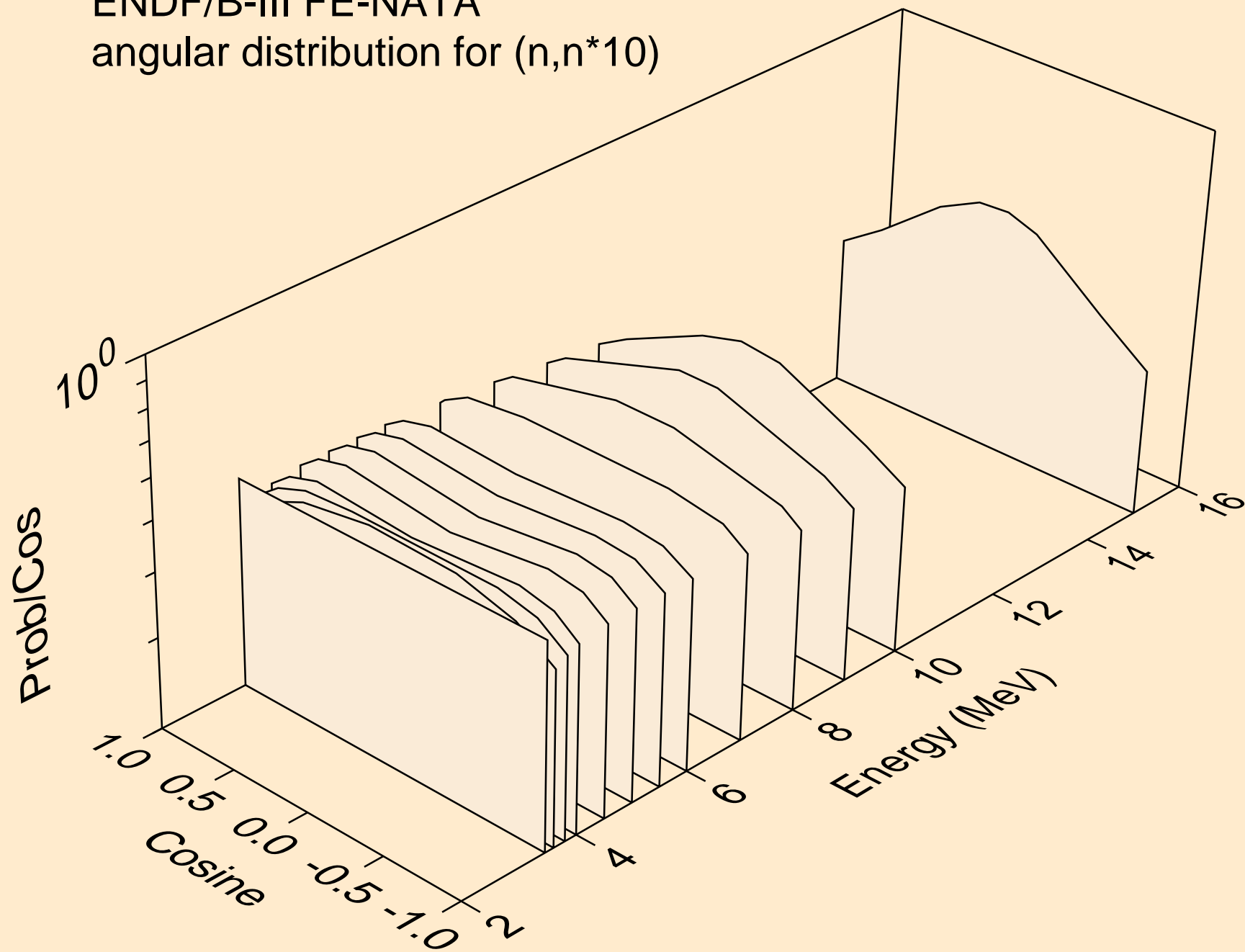ENDF/B-III FE-NATA
angular distribution for (n,n*7)

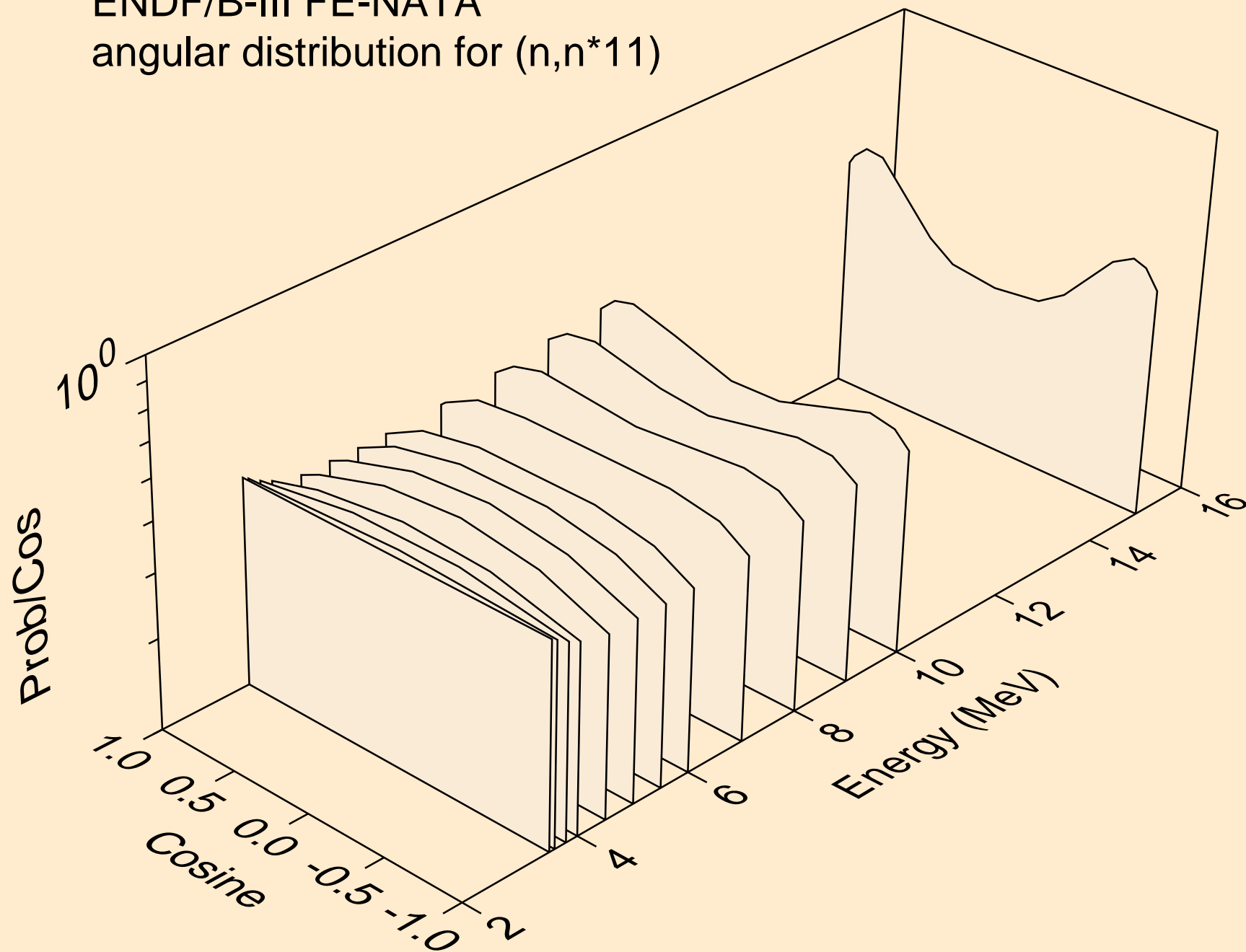ENDF/B-III FE-NATA
angular distribution for (n,n*8)

ENDF/B-III FE-NATA
angular distribution for (n,n*9)

ENDF/B-III FE-NATA
angular distribution for (n,n*10)

ENDF/B-III FE-NATA
angular distribution for (n,n*11)

ProbICos

10^0

Cosine

1.0 0.5 0.0 -0.5 -1.0

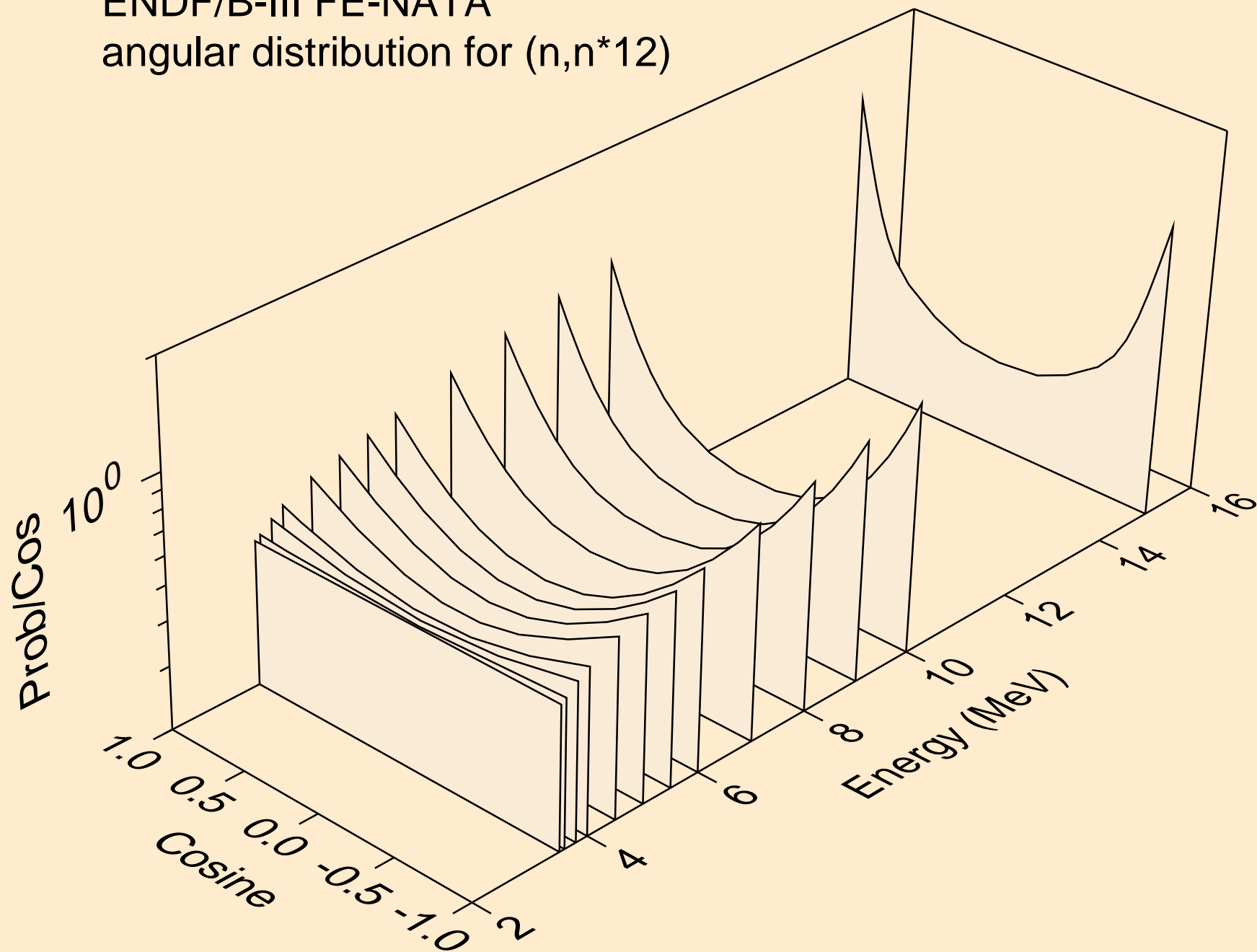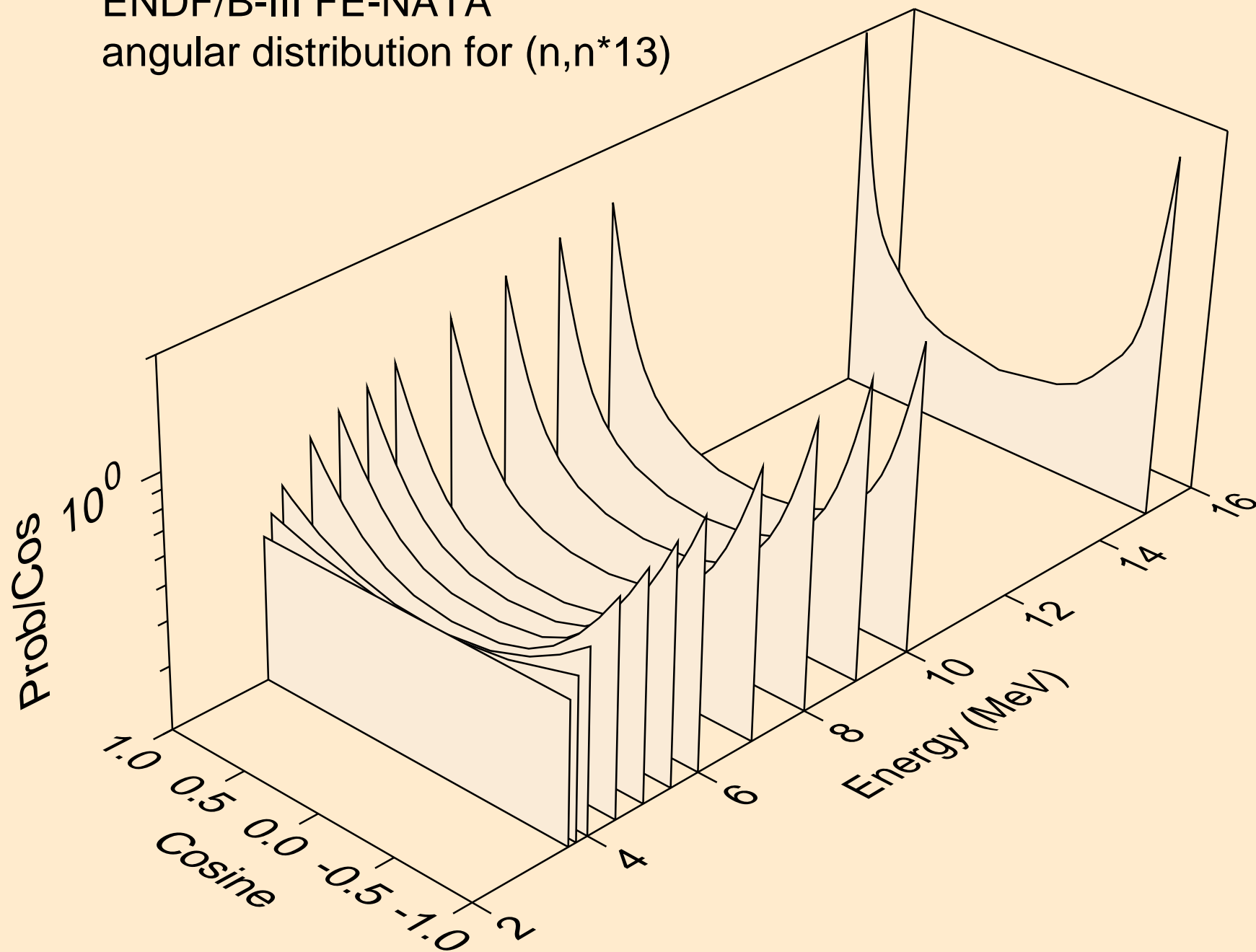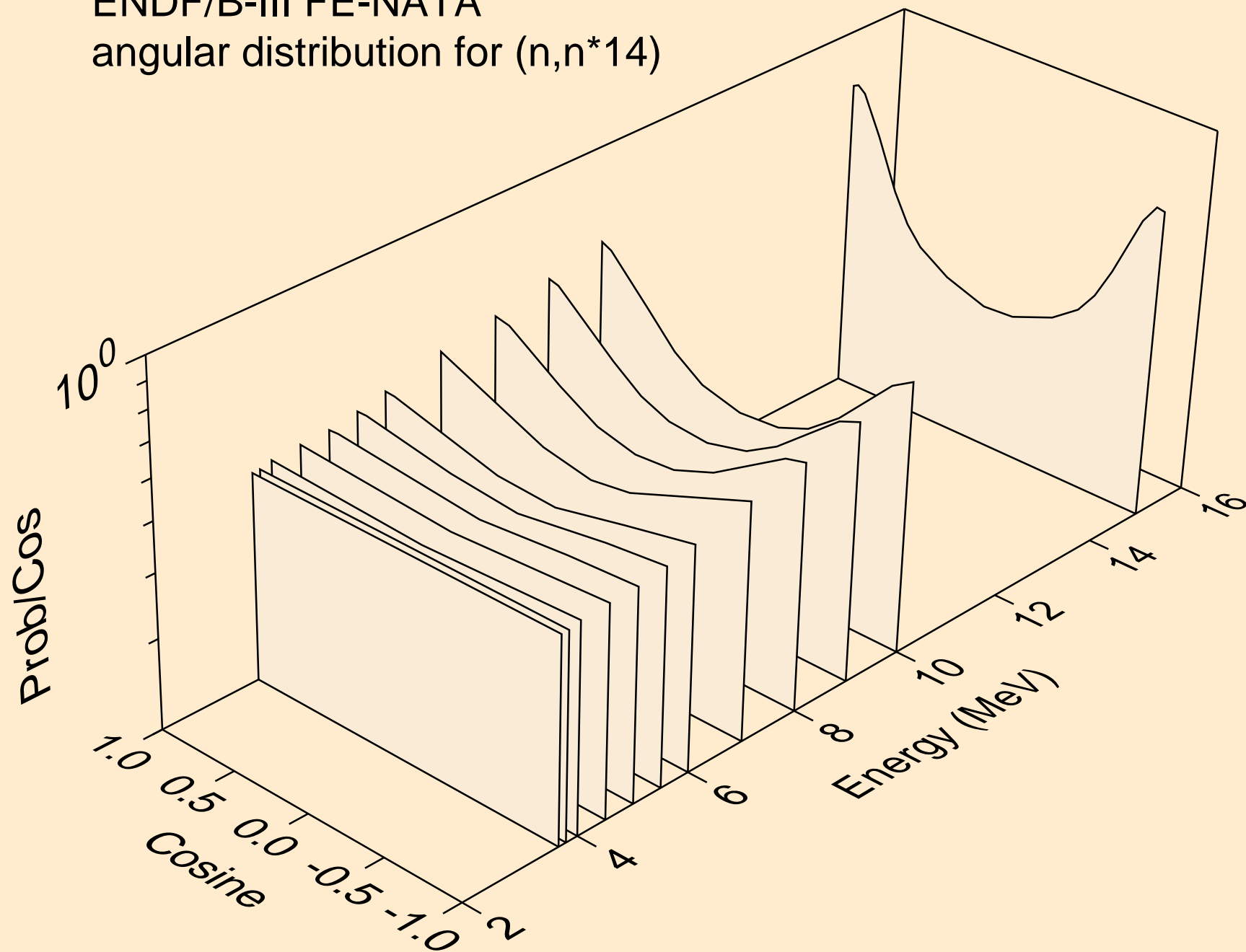Energy (MeV)

2 4 6 8 10 12 14 16

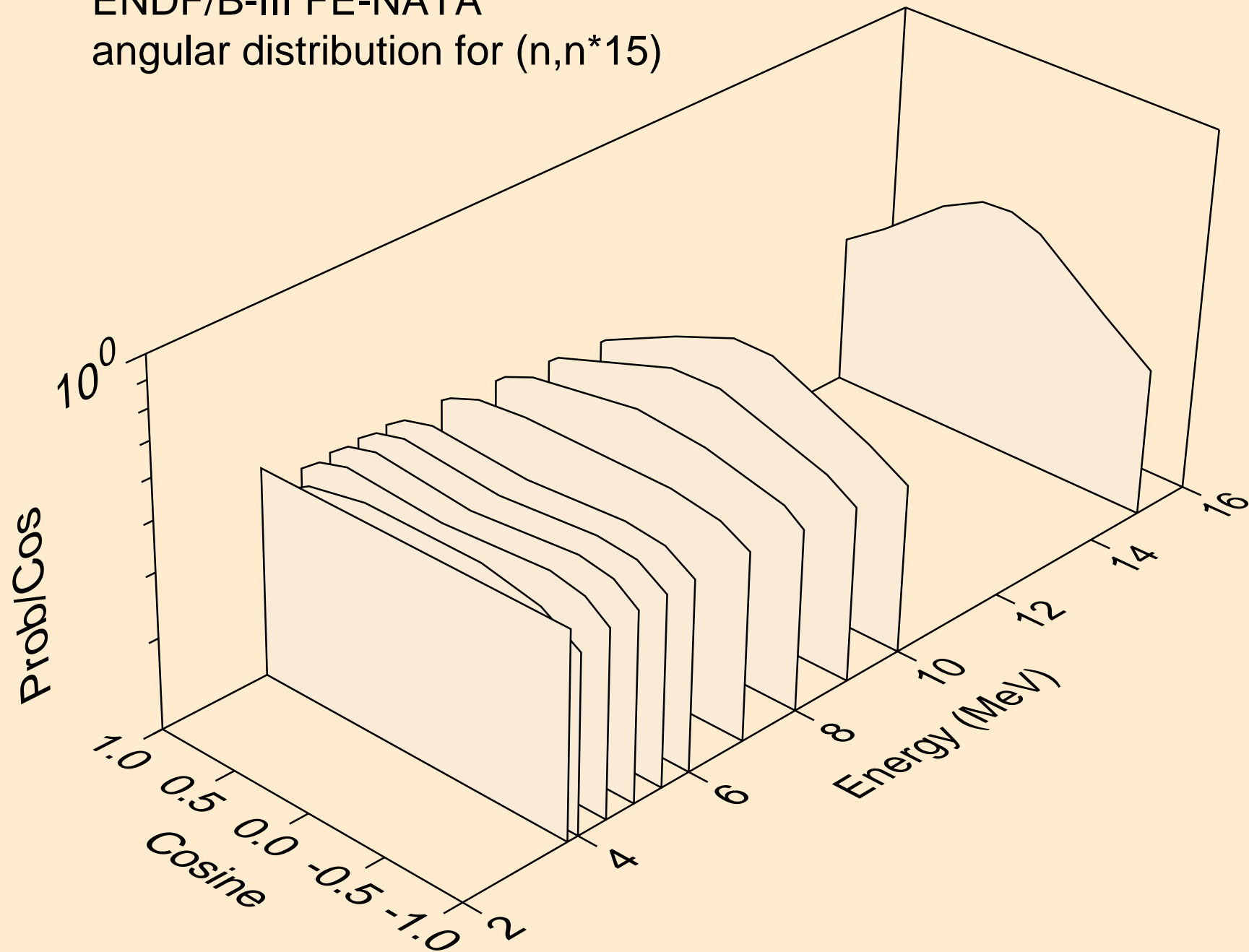ENDF/B-III FE-NATA
angular distribution for (n,n*12)

ENDF/B-III FE-NATA
angular distribution for (n,n*13)

ENDF/B-III FE-NATA
angular distribution for (n,n*14)

ENDF/B-III FE-NATA
angular distribution for (n,n*15)

ProbICos

10^0

Cosine

1.0 0.5 0.0 -0.5 -1.0

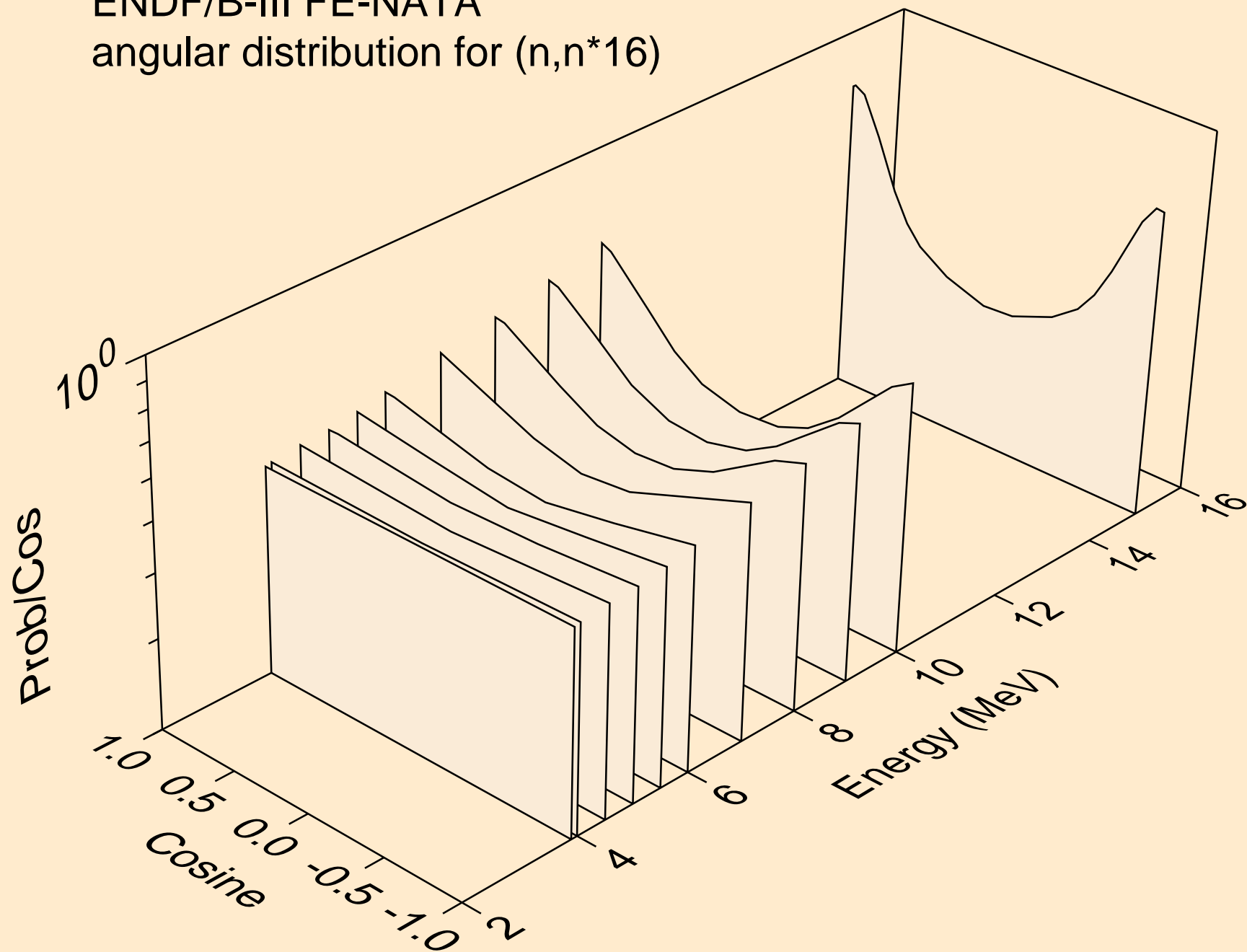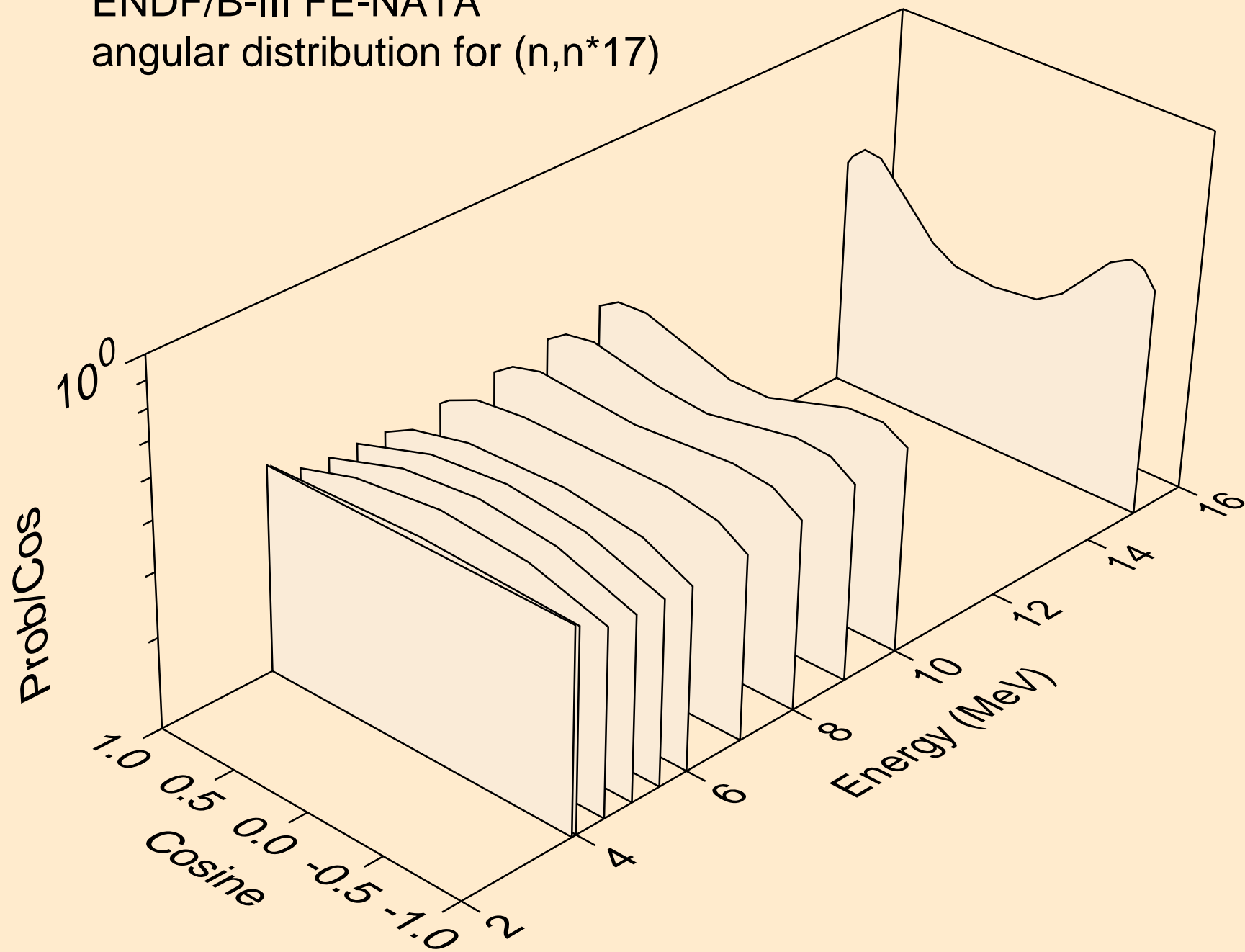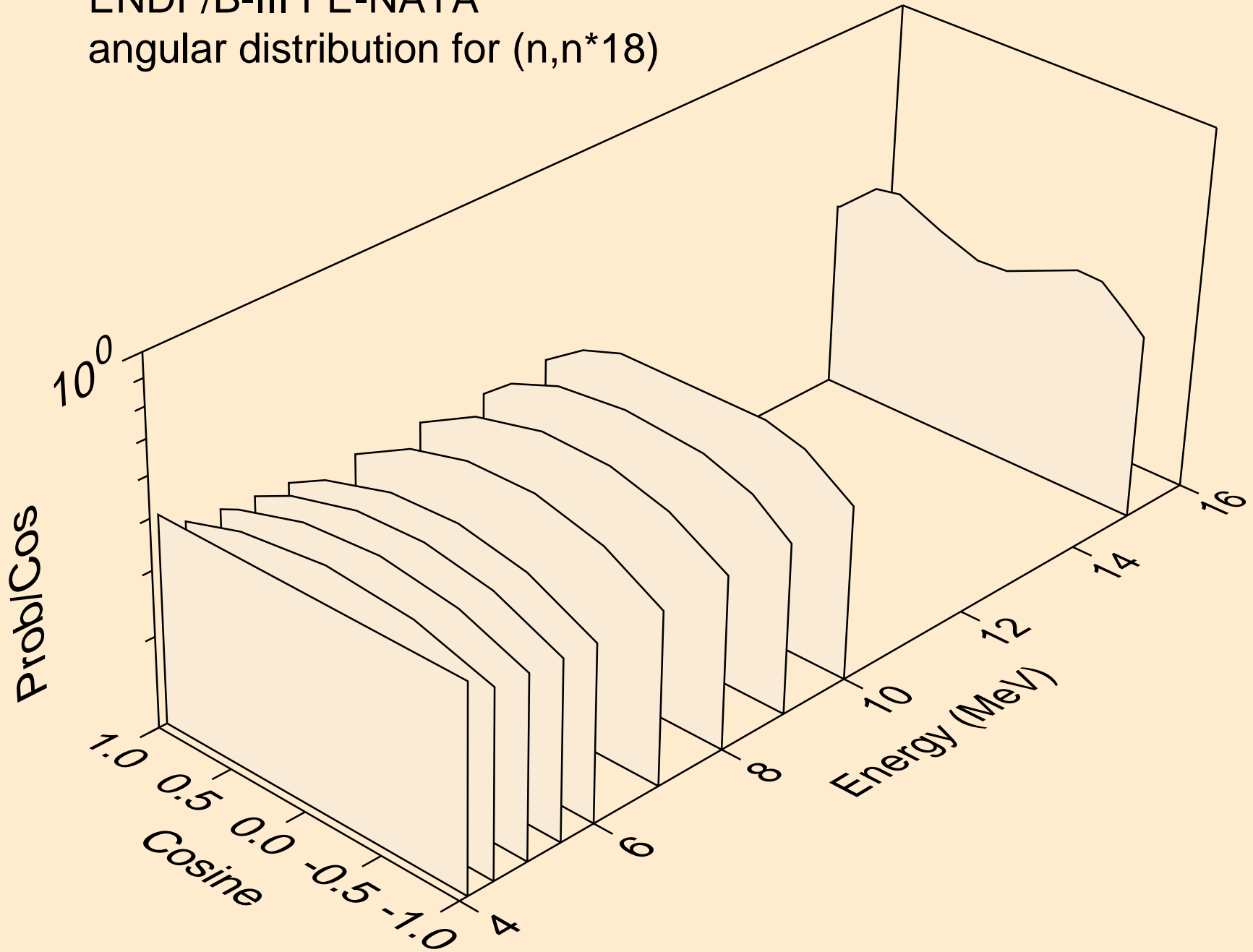Energy (MeV)

2 4 6 8 10 12 14 16

ENDF/B-III FE-NATA
angular distribution for (n,n*16)

ENDF/B-III FE-NATA
angular distribution for (n,n*17)

ENDF/B-III FE-NATA
angular distribution for (n,n*18)

ProbICos

Cosine

Energy (MeV)

10^0

1.0 0.5 0.0 -0.5 -1.0
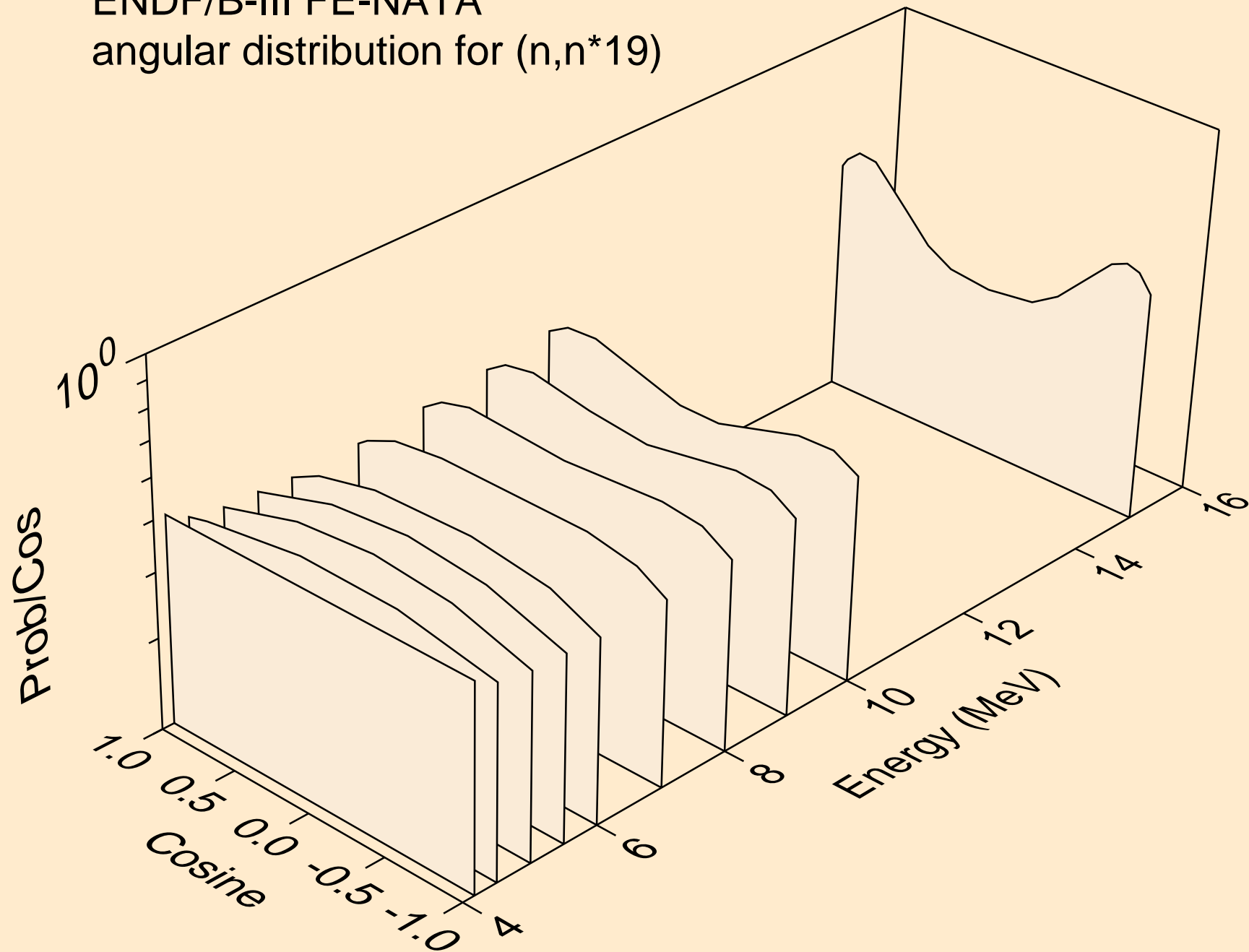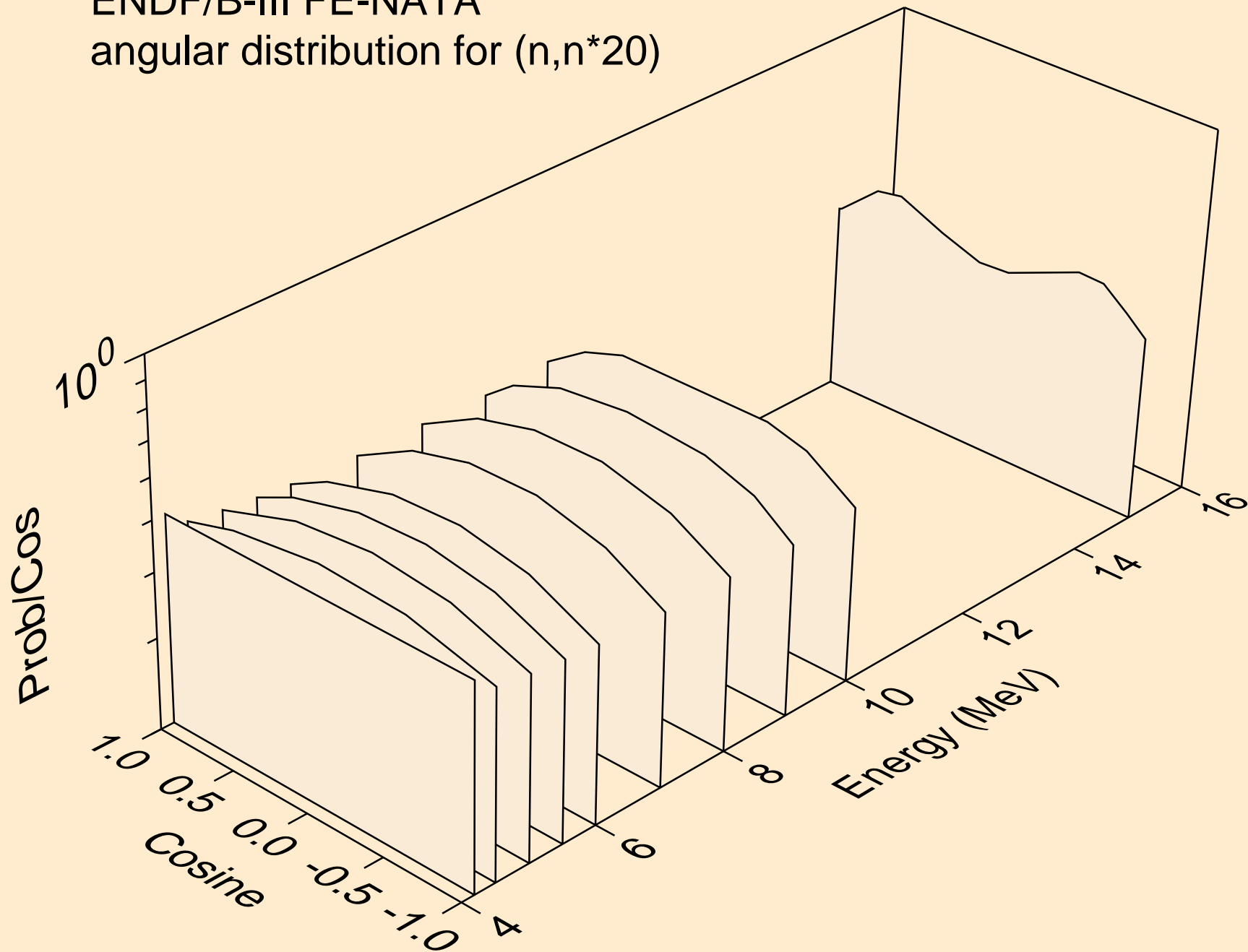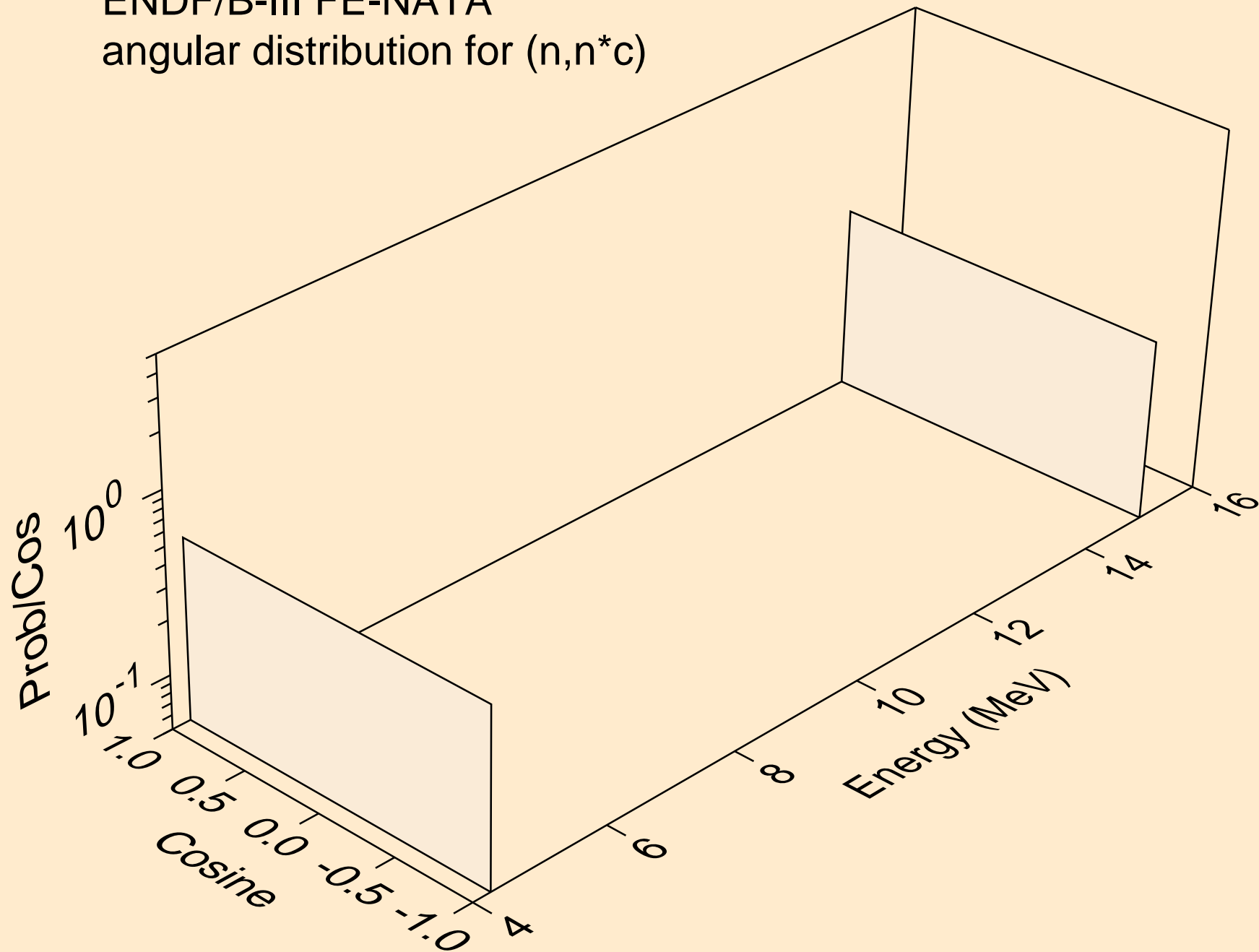
4 6 8 10 12 14 16

ENDF/B-III FE-NATA
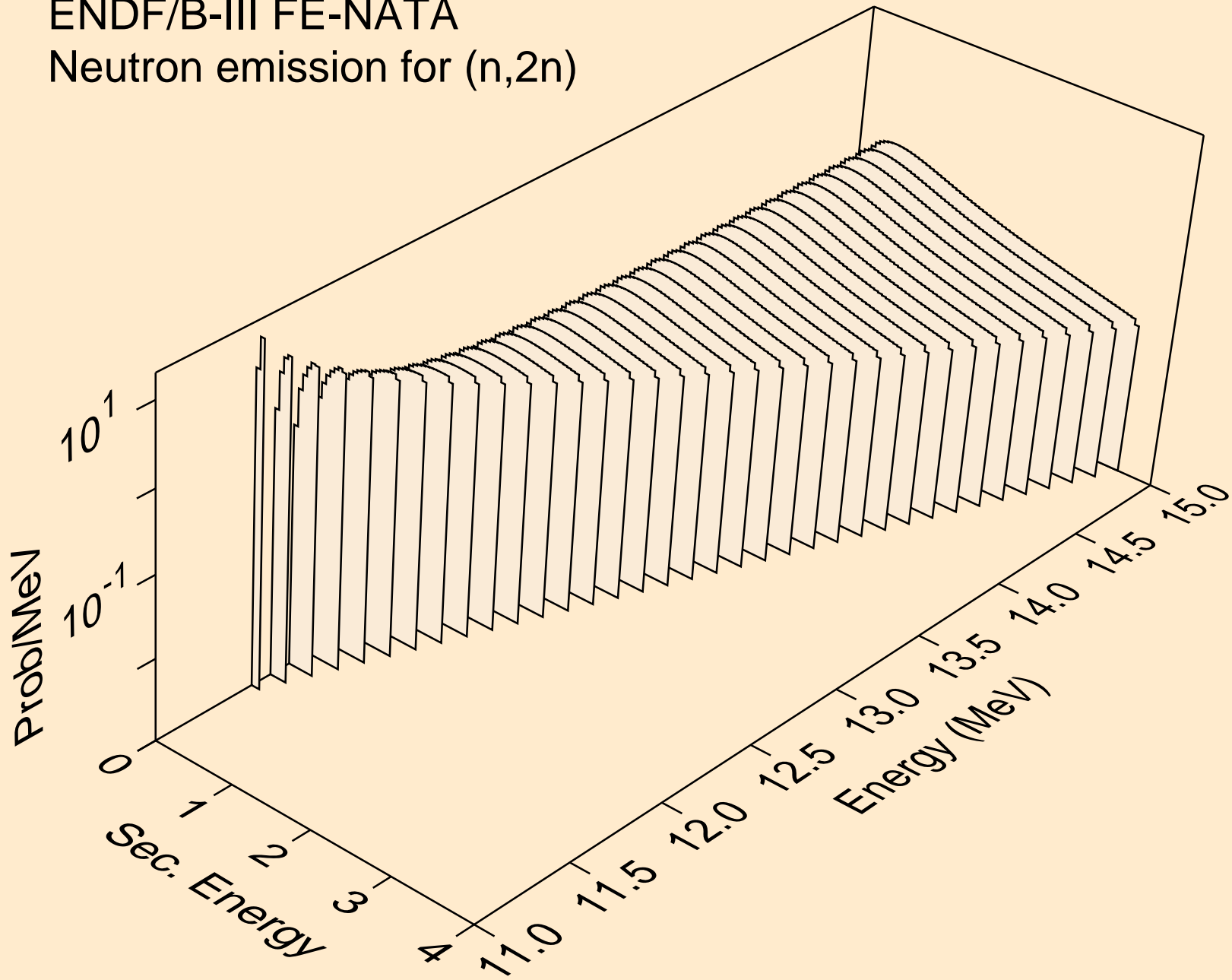angular distribution for (n,n*19)

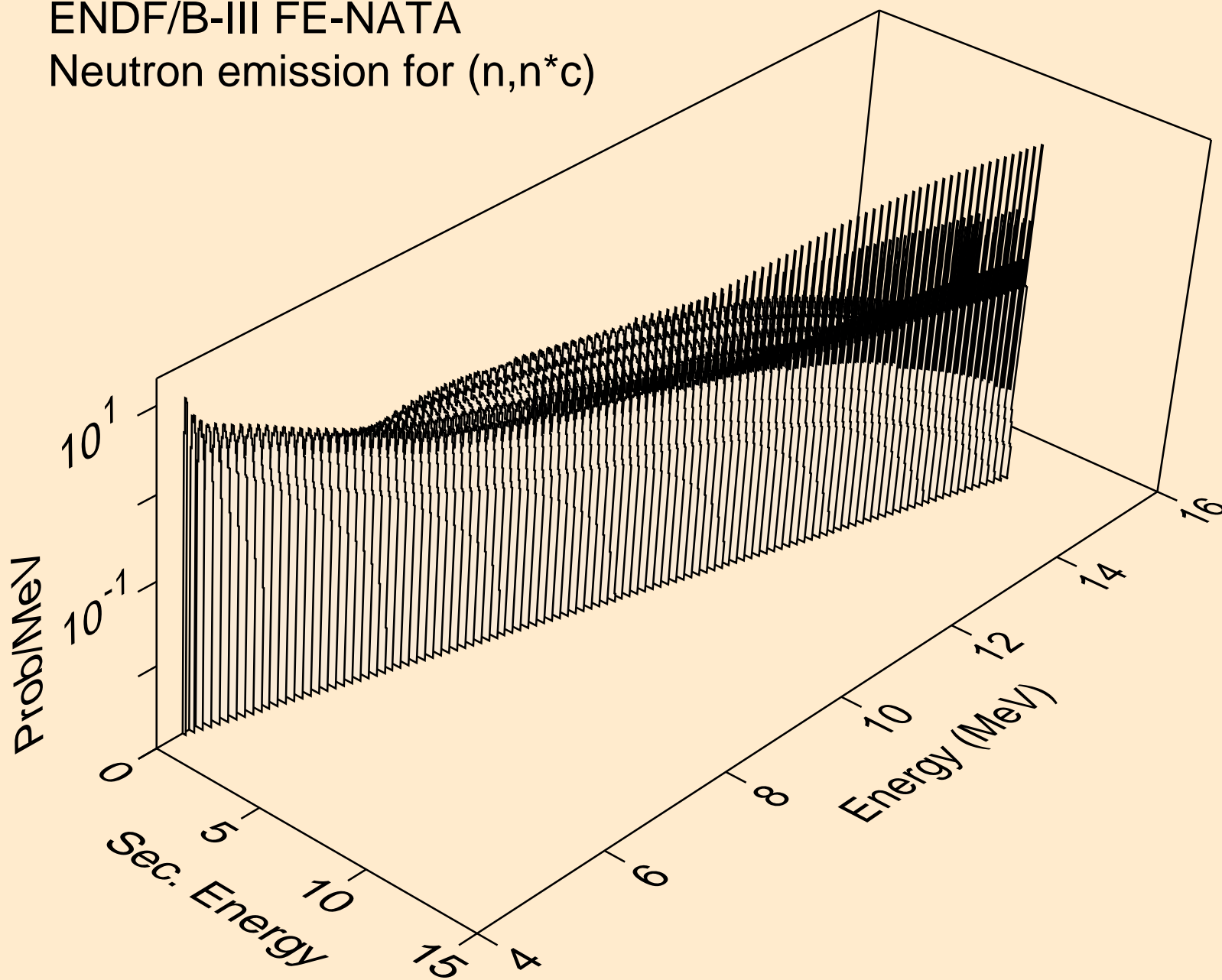ENDF/B-III FE-NATA
angular distribution for (n,n*20)

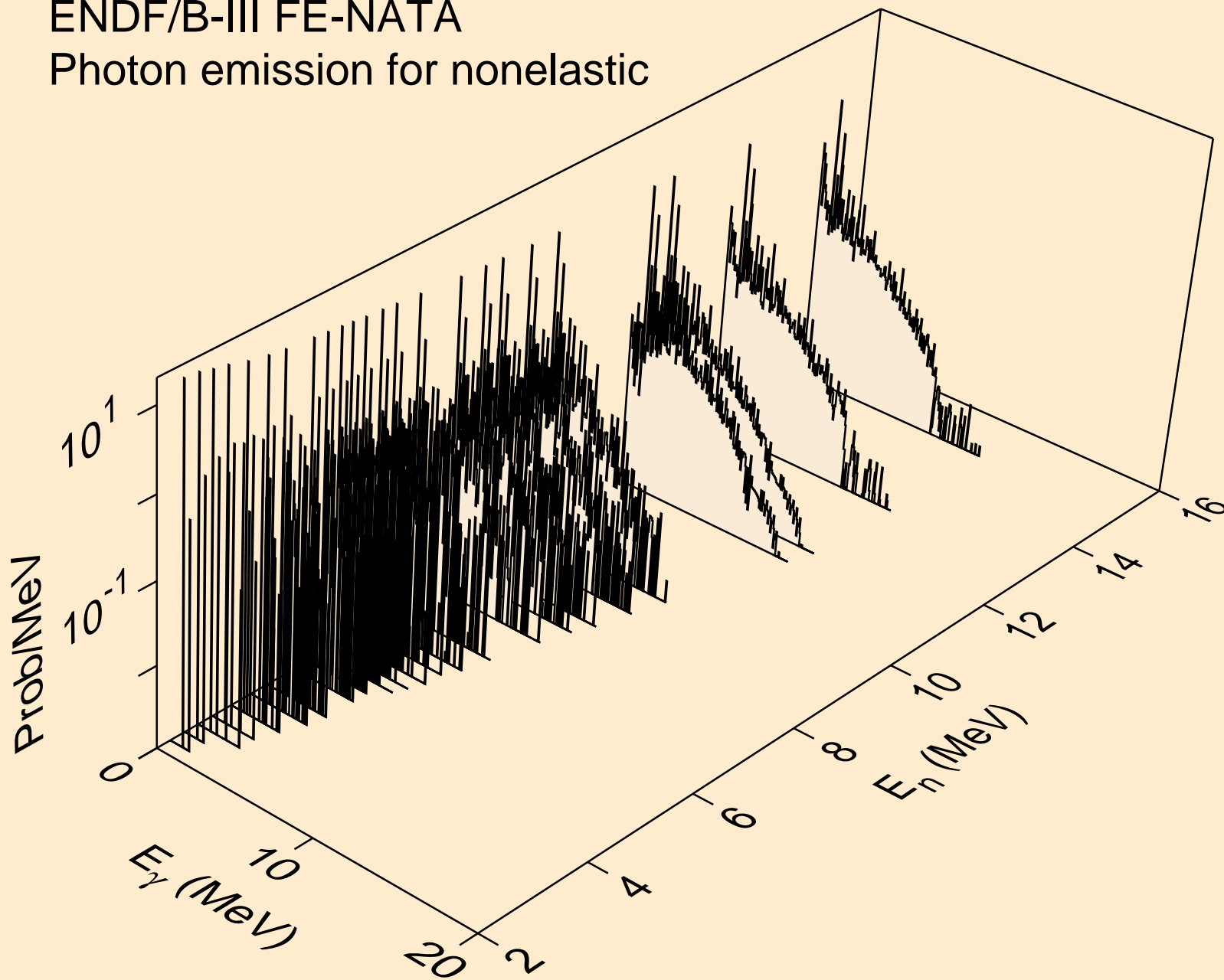ENDF/B-III FE-NATA
angular distribution for (n,n*c)

ENDF/B-III FE-NATA
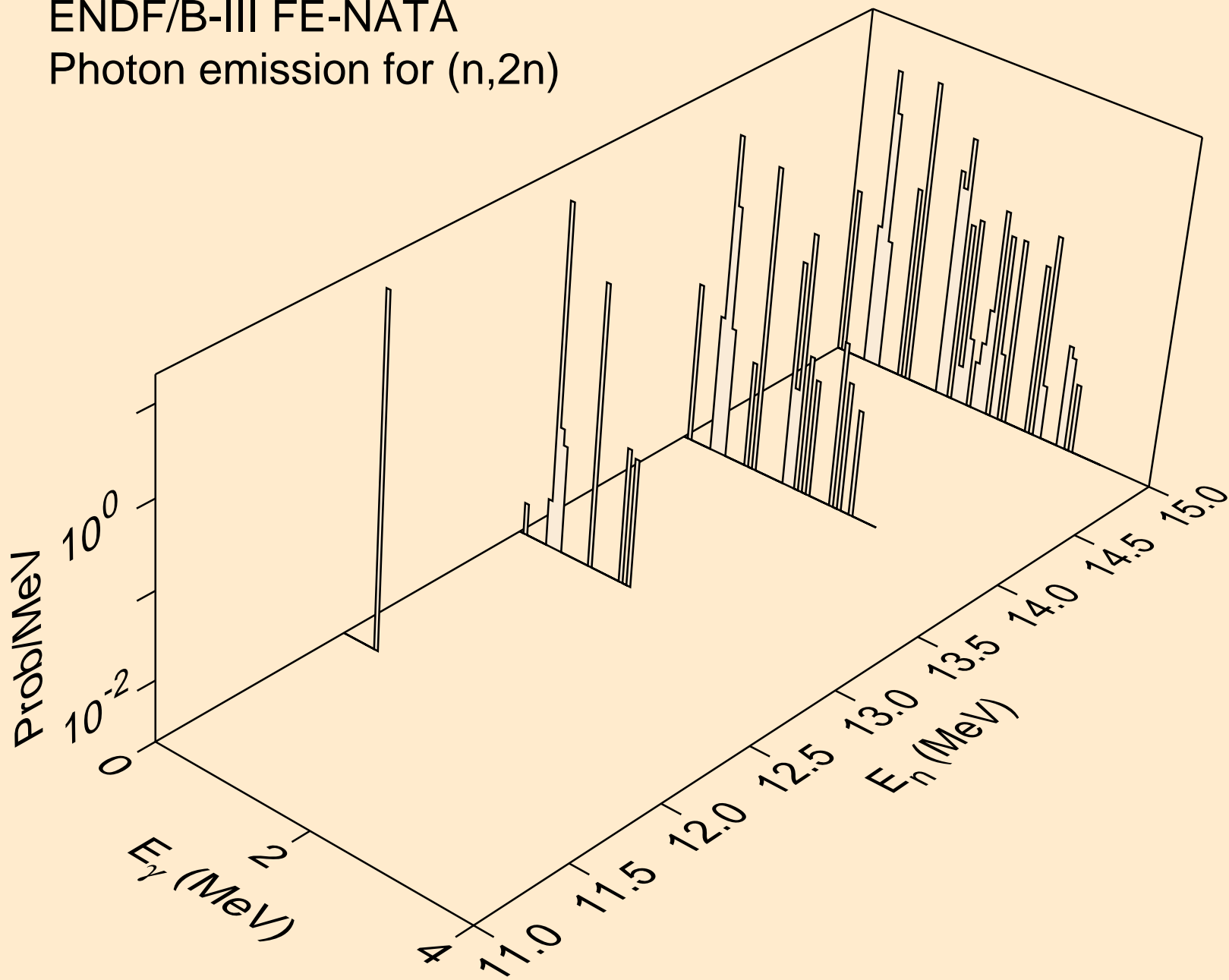Neutron emission for (n,2n)

ENDF/B-III FE-NATA
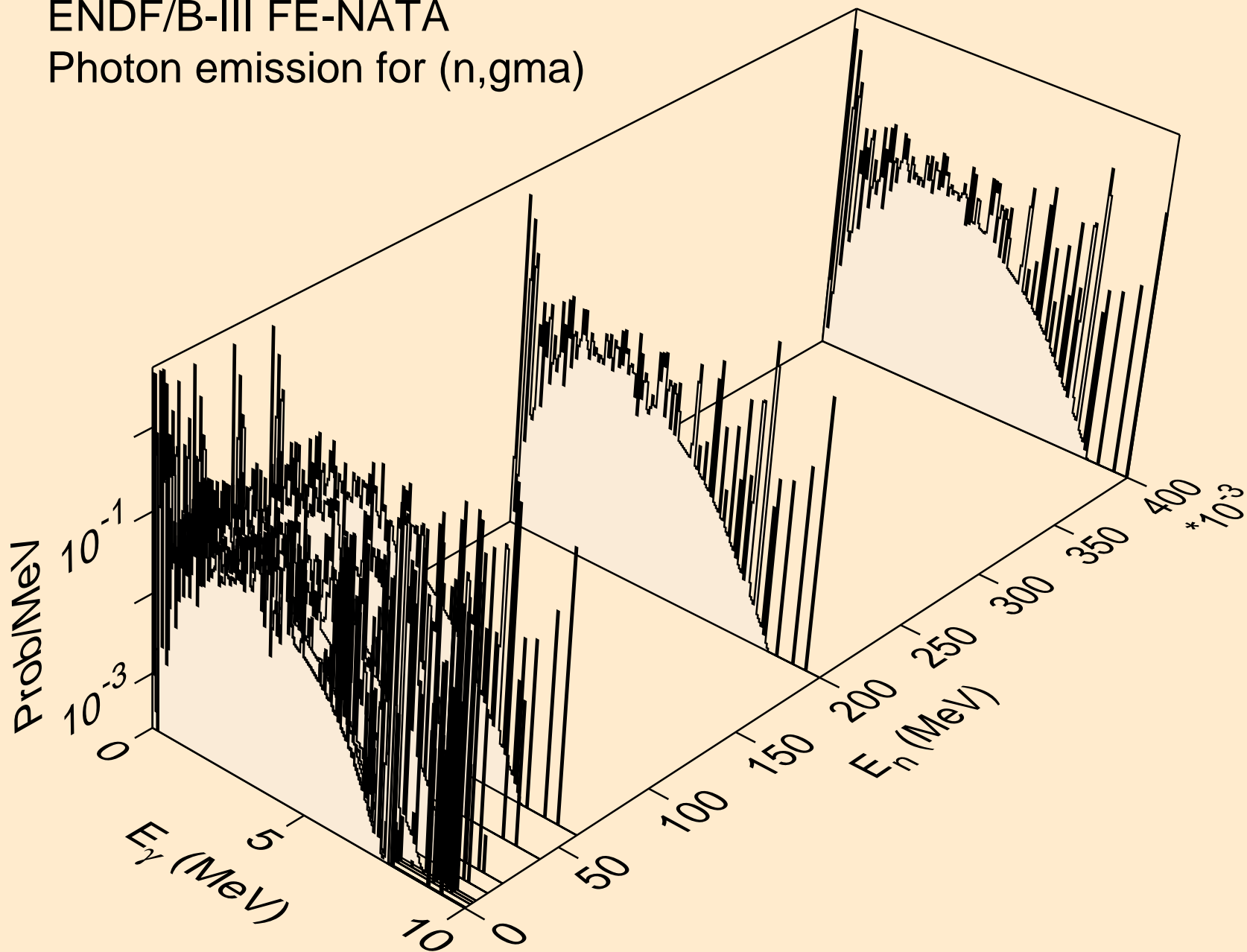Neutron emission for (n,n*c)
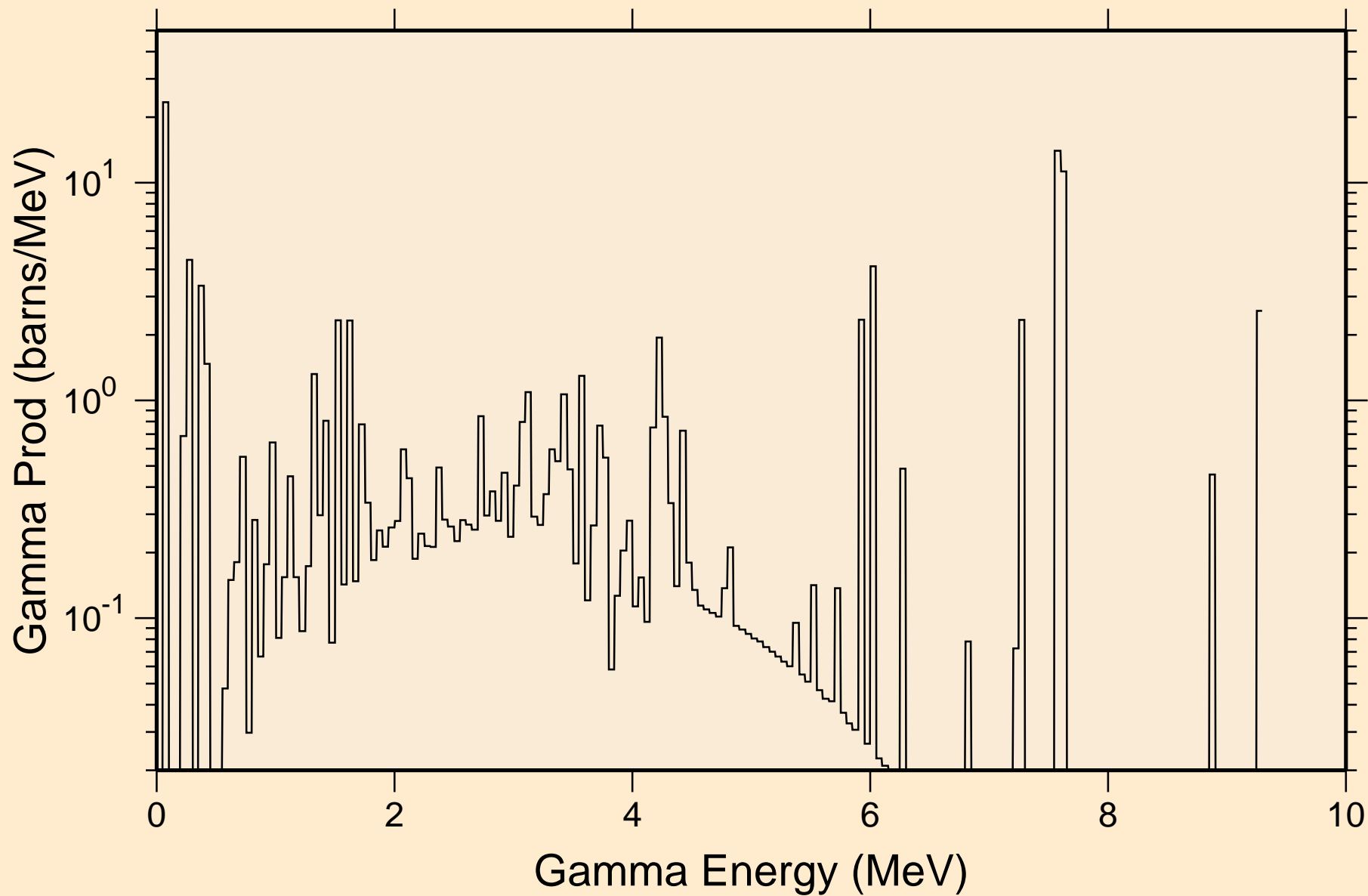
ENDF/B-III FE-NATA
Photon emission for nonelastic

ENDF/B-III FE-NATA
Photon emission for (n,2n)

ENDF/B-III FE-NATA
Photon emission for (n,gma)

ENDF/B-III FE-NATA
thermal capture photon spectrum

Gamma Prod (barns/MeV) vs Gamma Energy (MeV)

ENDF/B-III FE-NATA
14 MeV photon spectrum

Gamma Prod (barns/MeV) vs Gamma Energy (MeV)