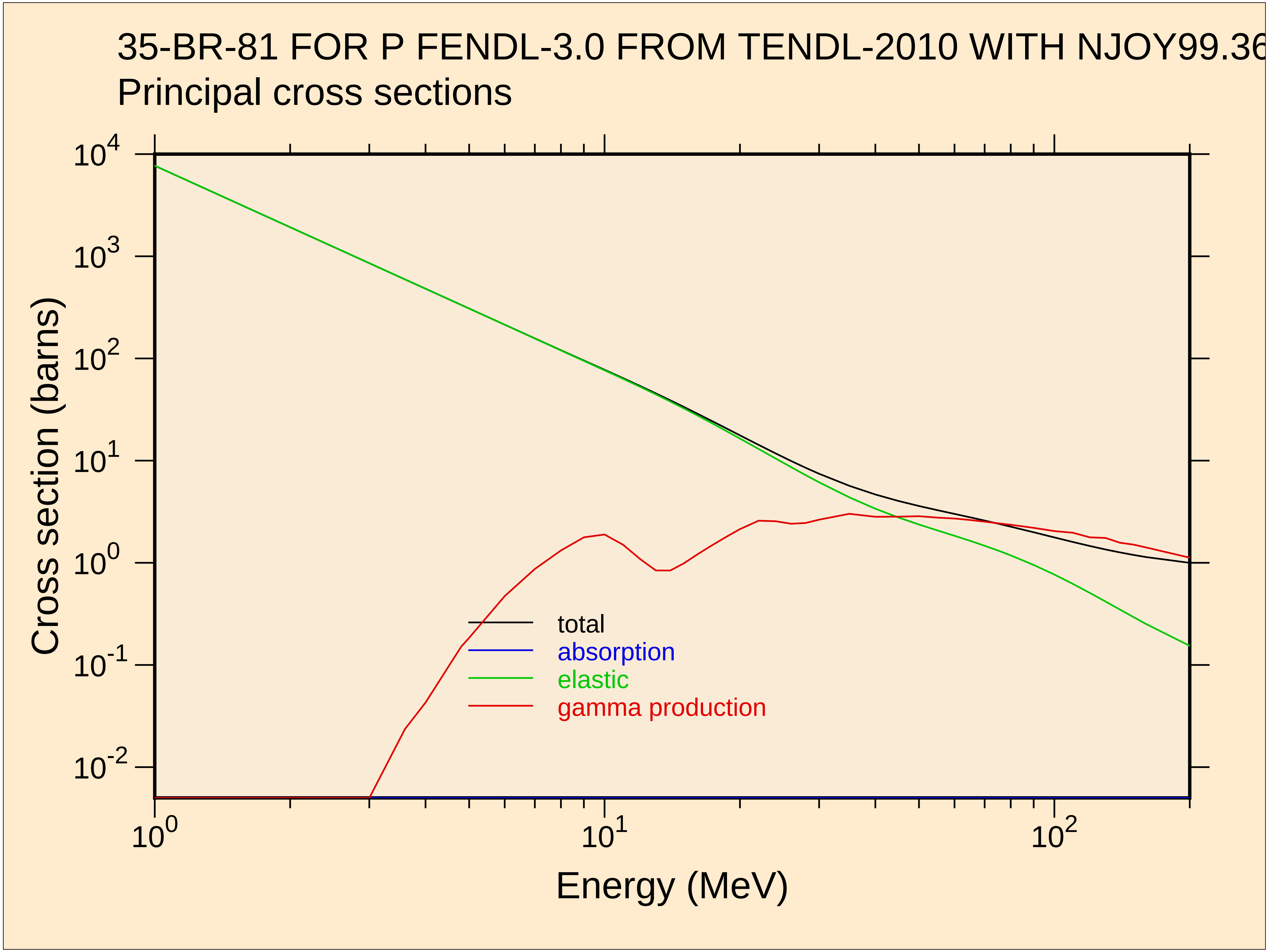
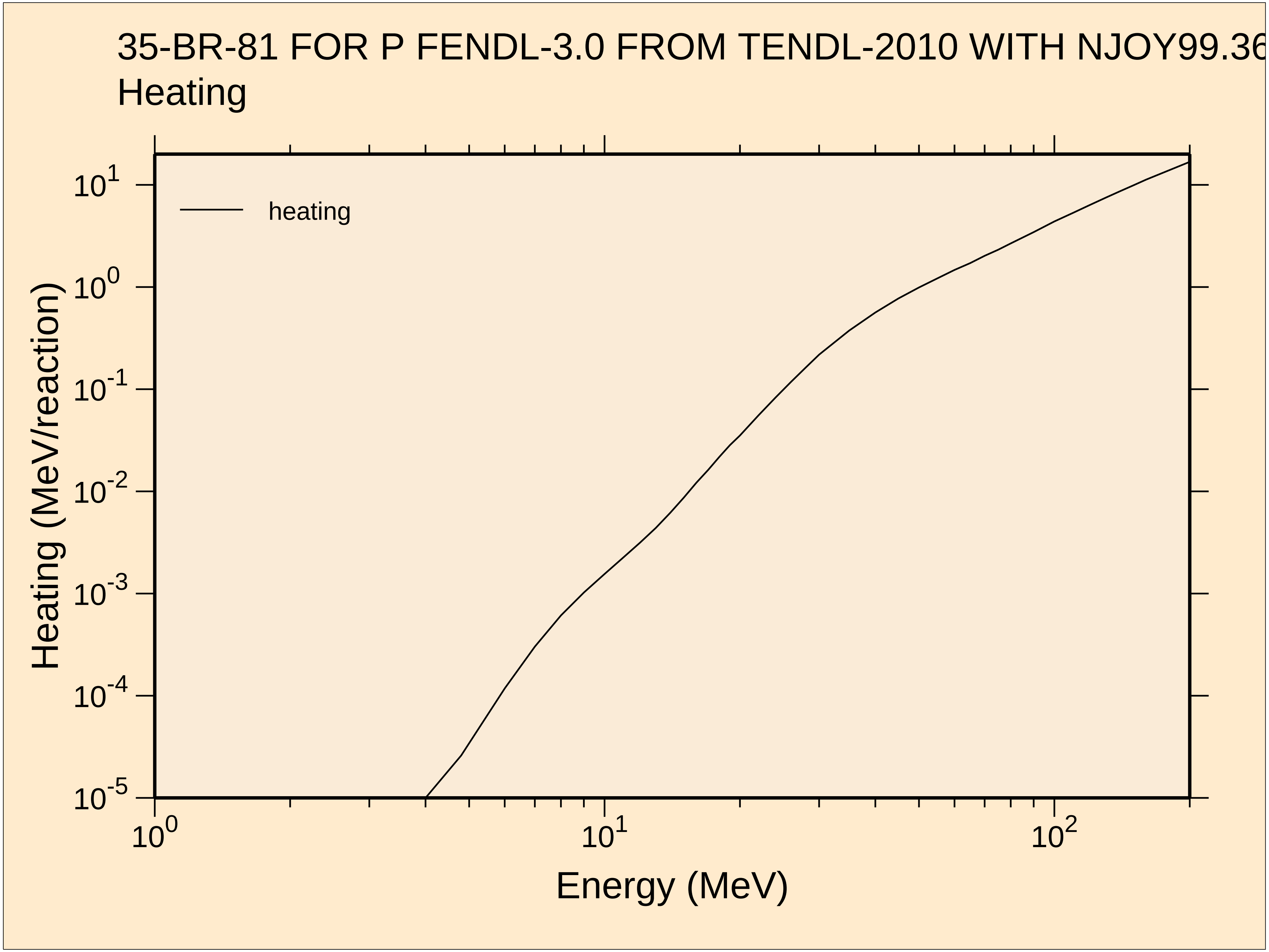
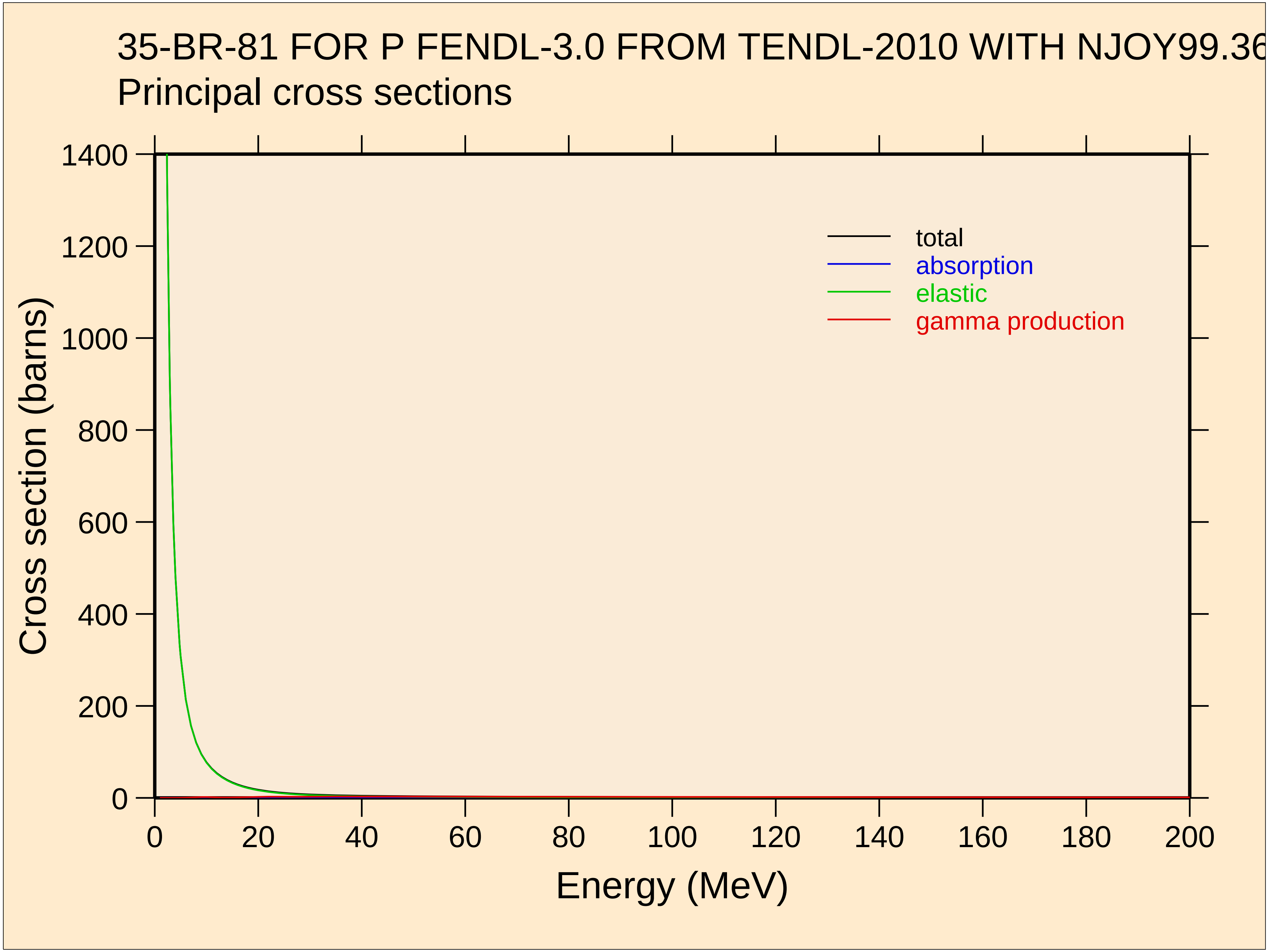
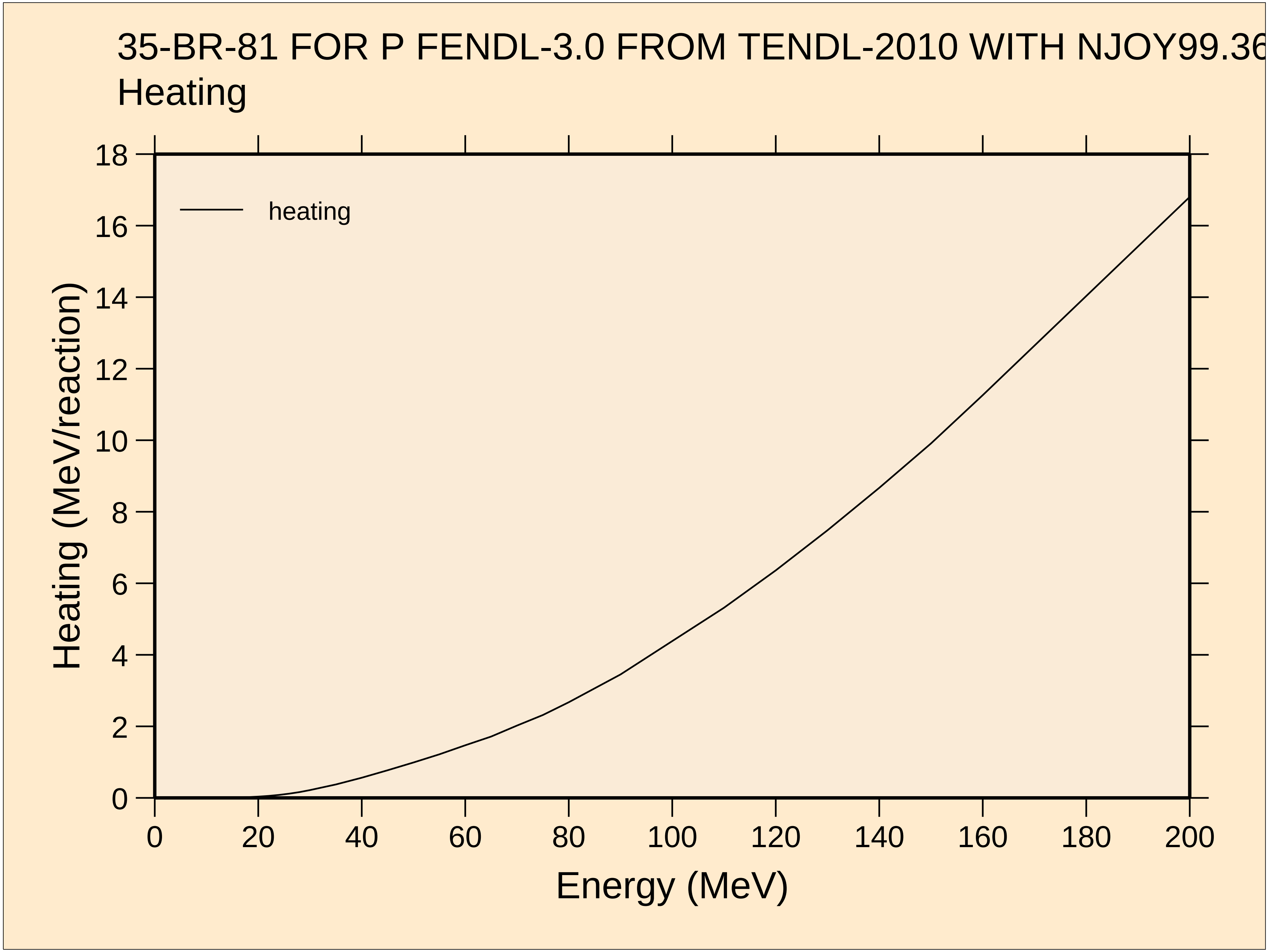


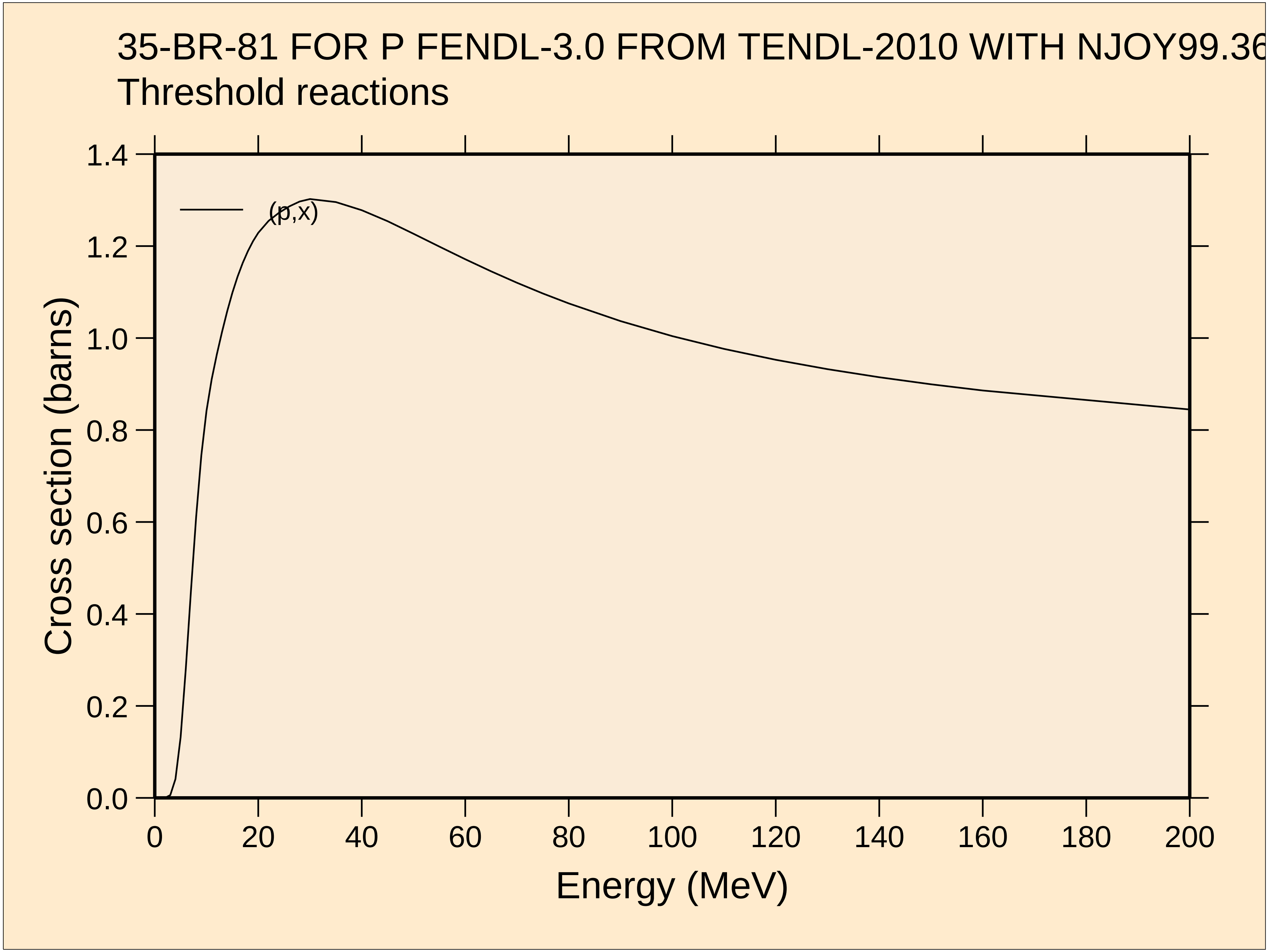
35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Principal cross sections
Cross section (barns)
Energy (MeV)
10^4
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
10^0
10^1
10^2
total
absorption
elastic
gamma production

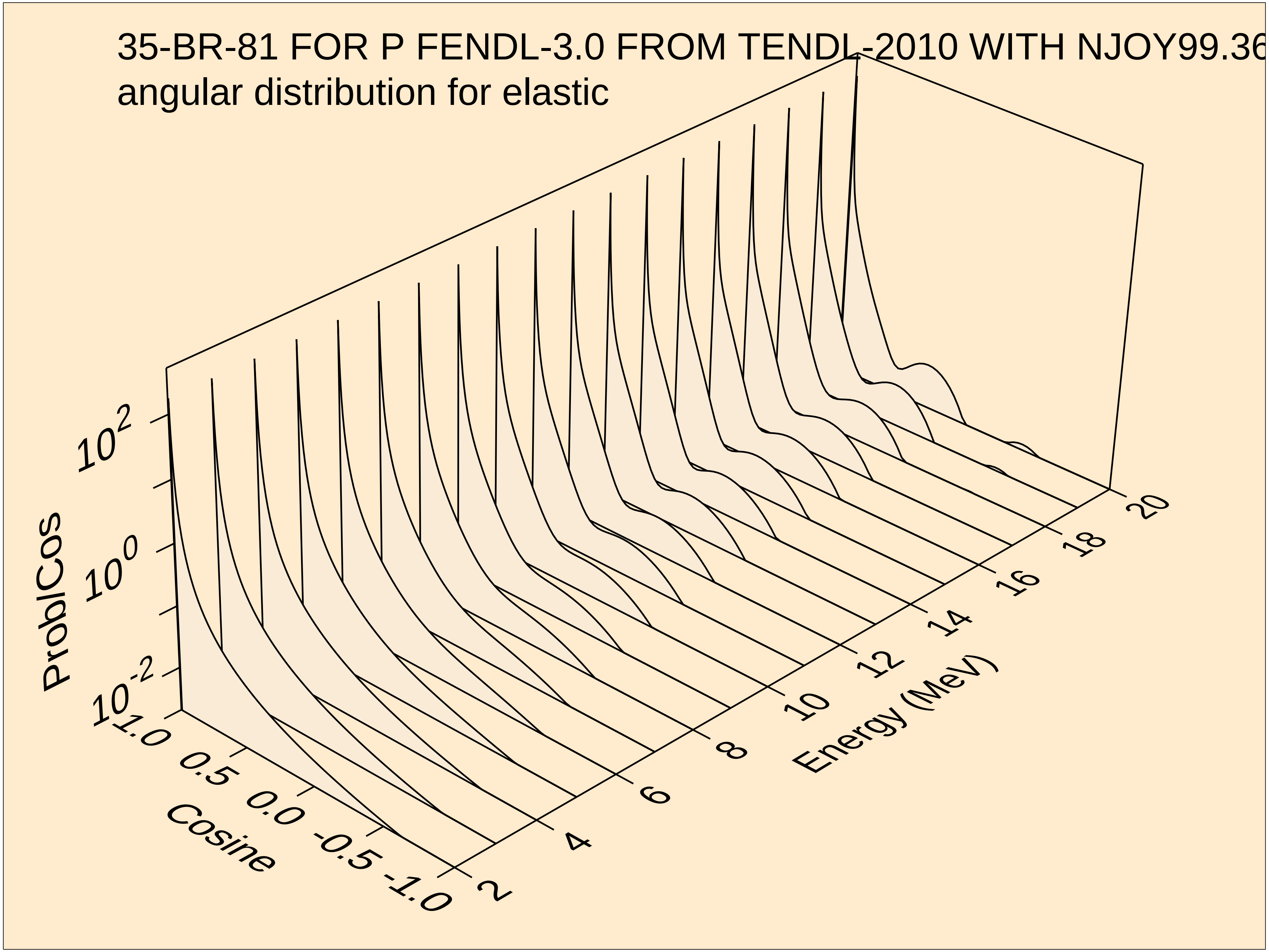


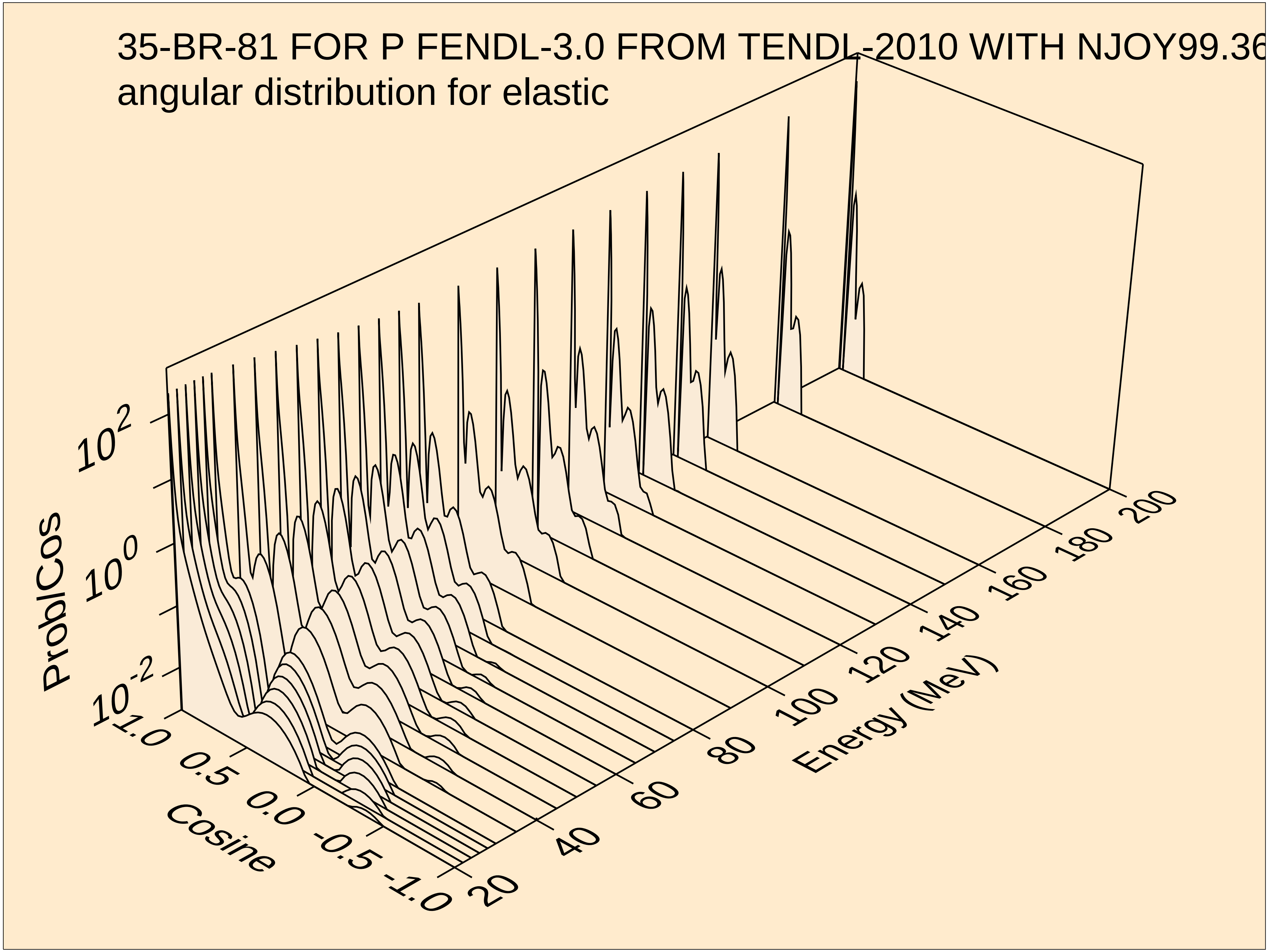
35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Heating
heating
Heating (MeV/reaction)
Energy (MeV)

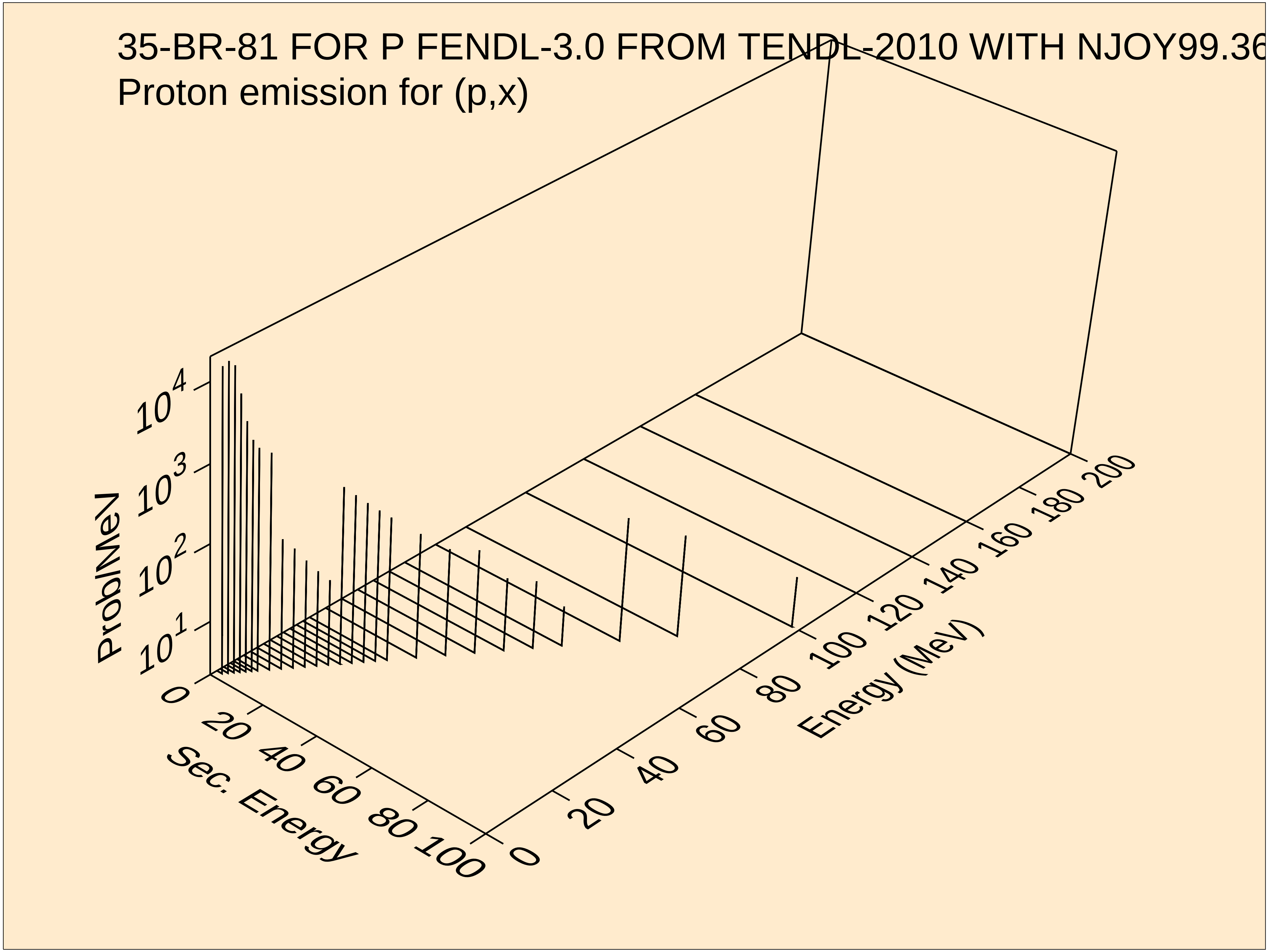

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
gamma production
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
160
180
200

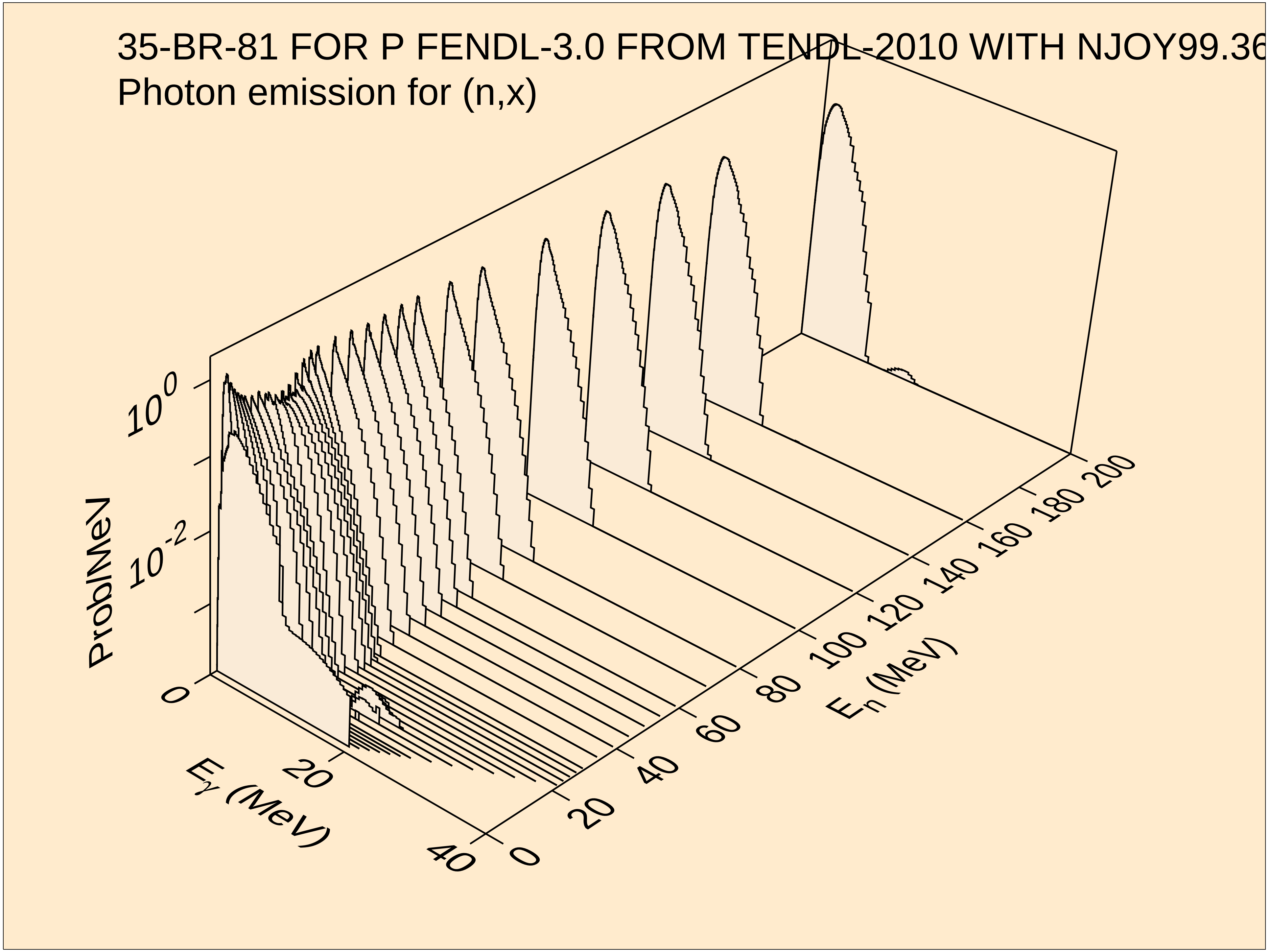

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
0
20
40
60
80
100
120
140
160
180
200

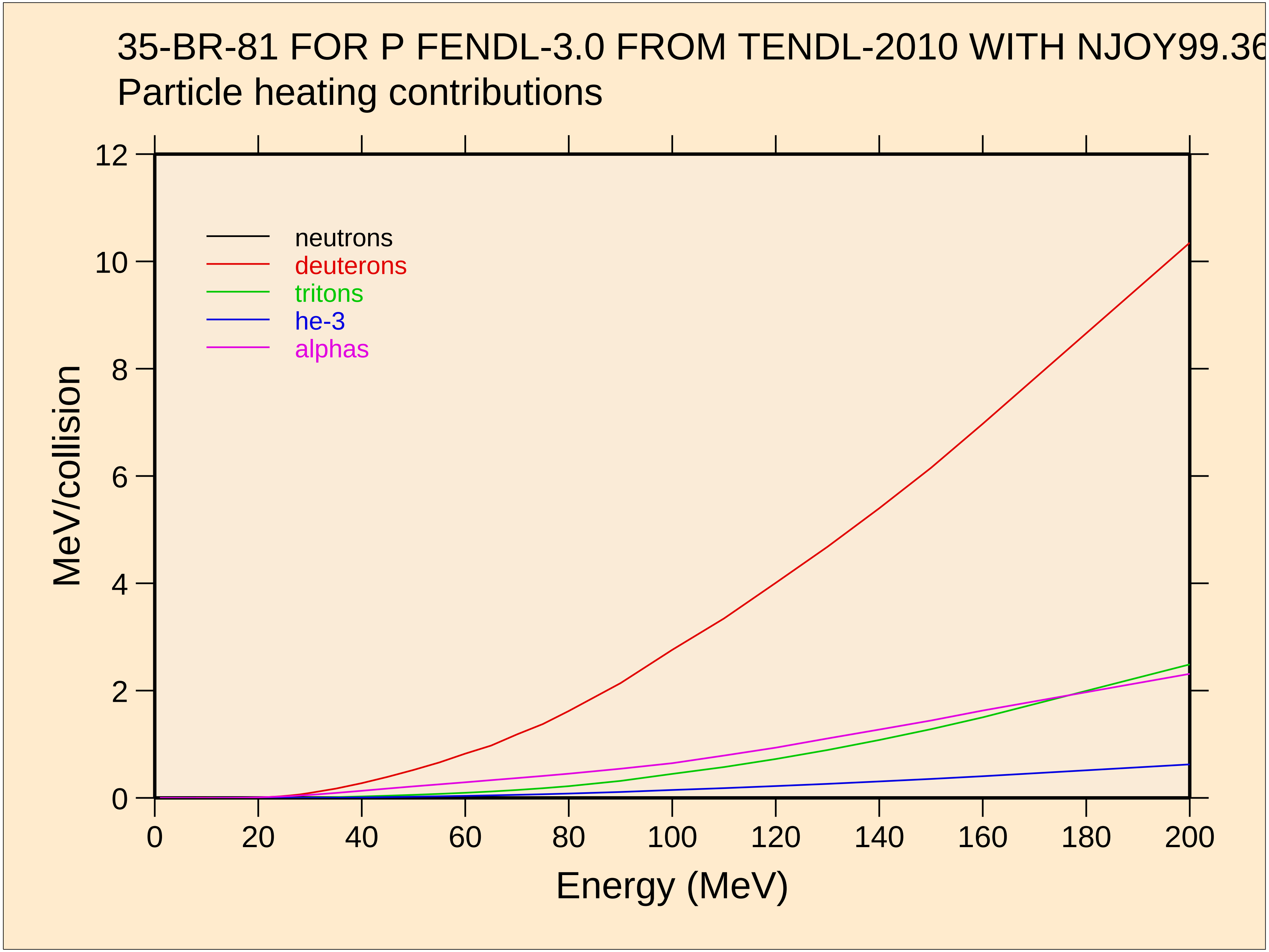

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Threshold reactions
Cross section (barns)
Energy (MeV)
(p,x)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
0
20
40
60
80
100
120
140
160
180
200

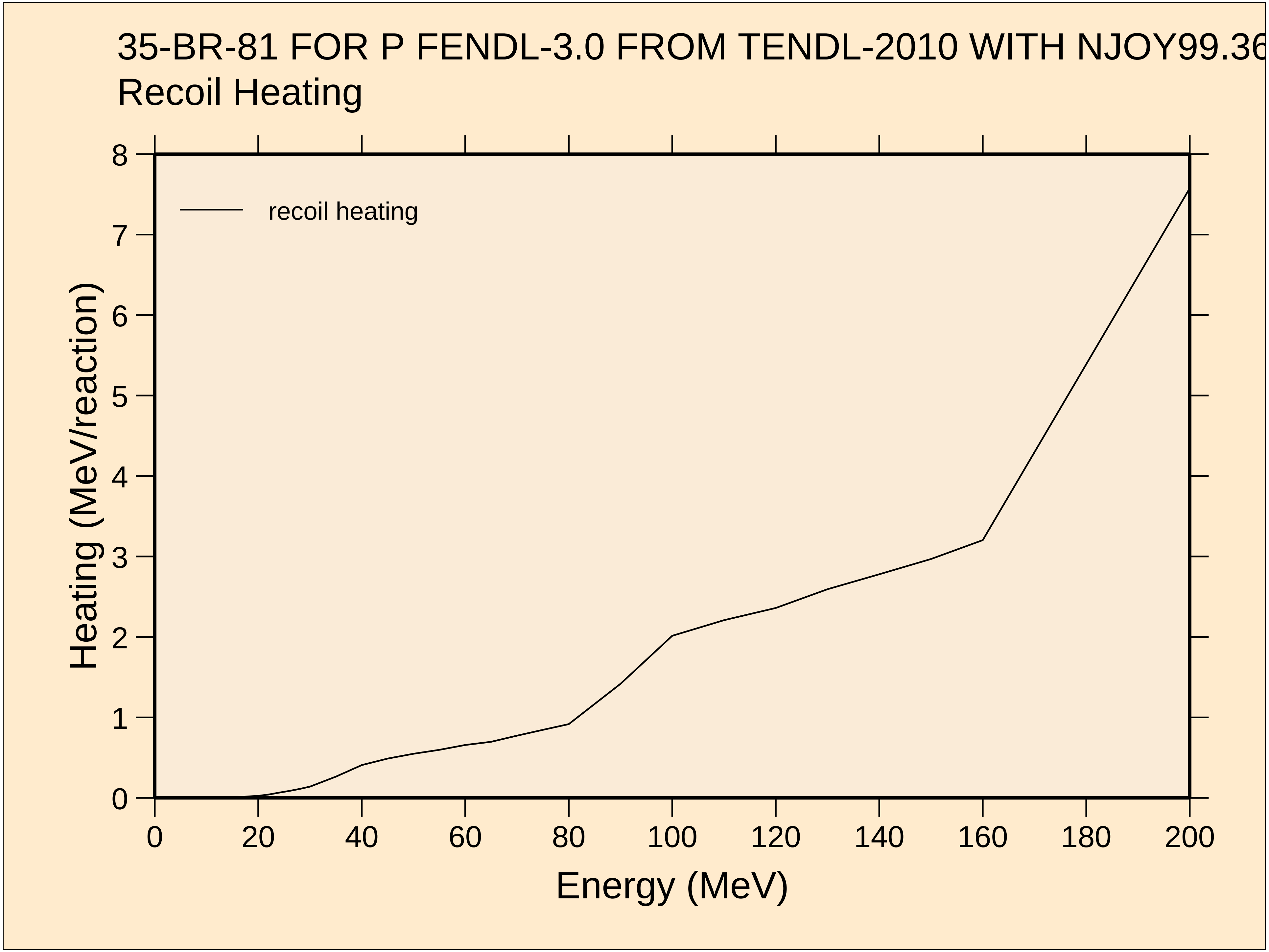

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
angular distribution for elastic
ProblCos
10^{2}
10^{0}
10^{-2}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
2
4
6
8
10
12
14
16
18
20

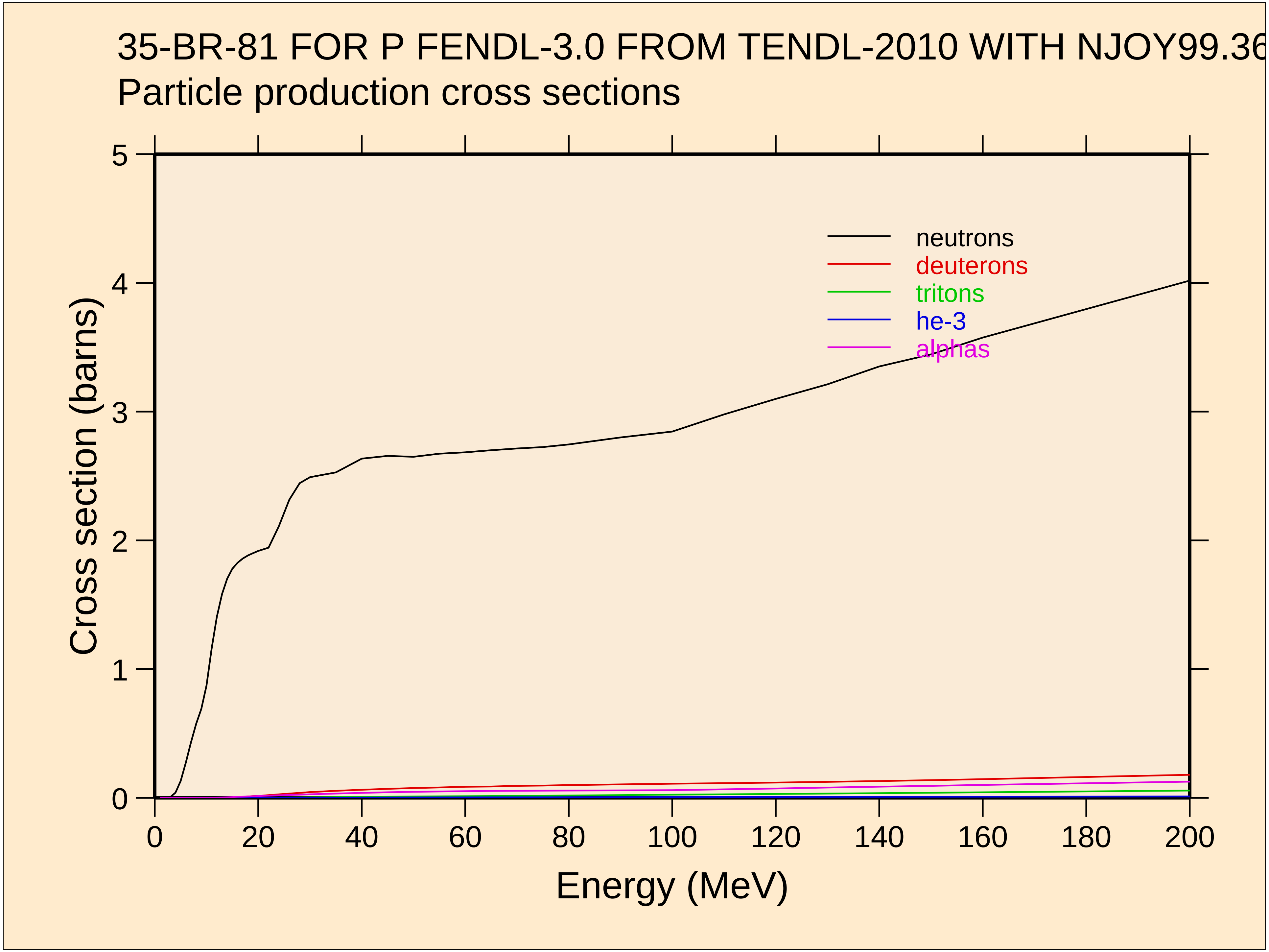

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
angular distribution for elastic
Prob/Cos
10^{2}
10^{0}
10^{-2}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
20
40
60
80
100
120
140
160
180
200


35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Proton emission for (p,x)
ProbIMeV
10^1
10^2
10^3
10^4
0
20
40
60
80
100
Sec. Energy
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)

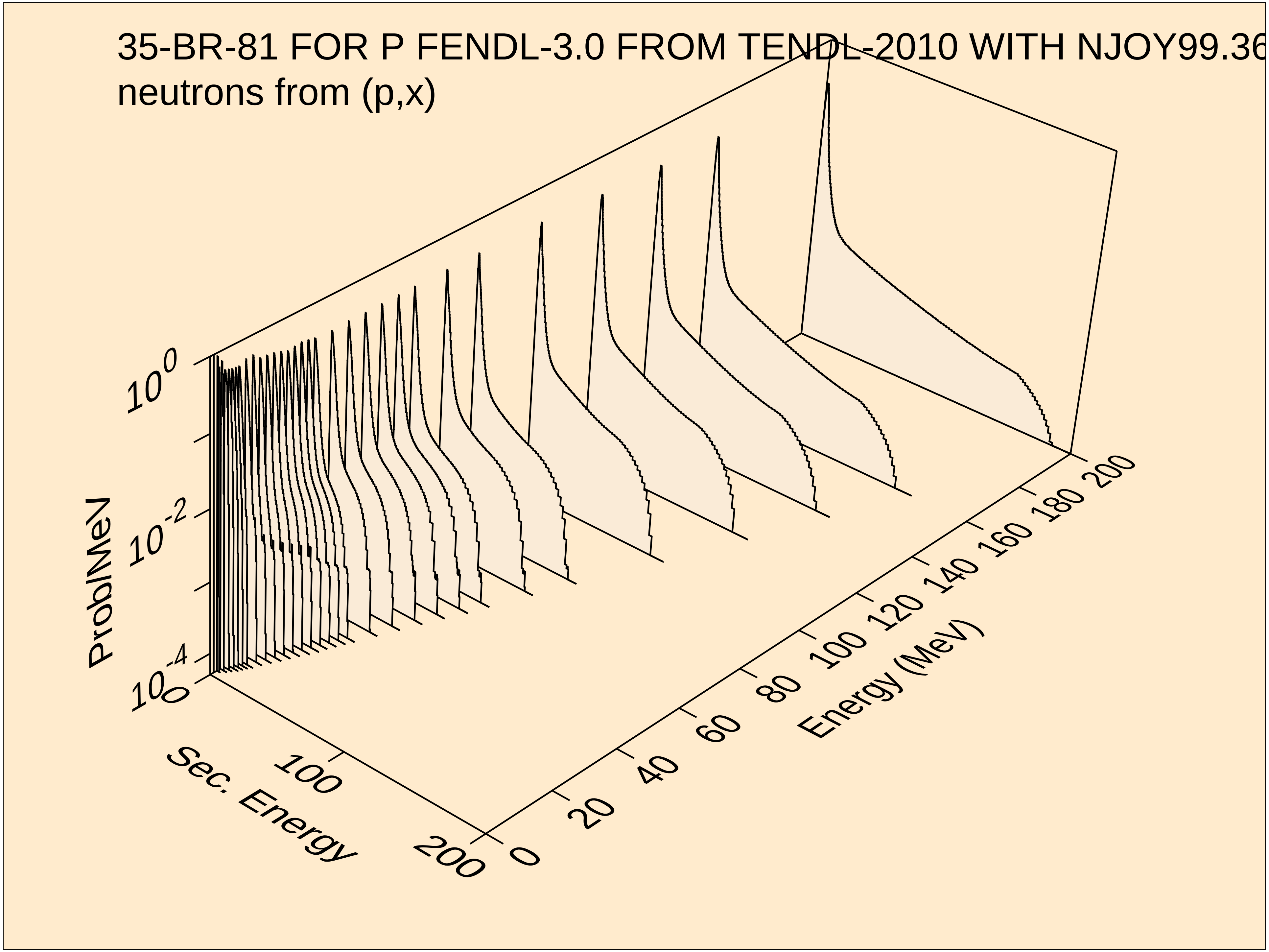

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Photon emission for (n,x)
Prob/MeV
10^{0}
10^{-2}
0
E_γ (MeV)
20
40
E_n (MeV)
0
20
40
60
80
100
120
140
160
180
200

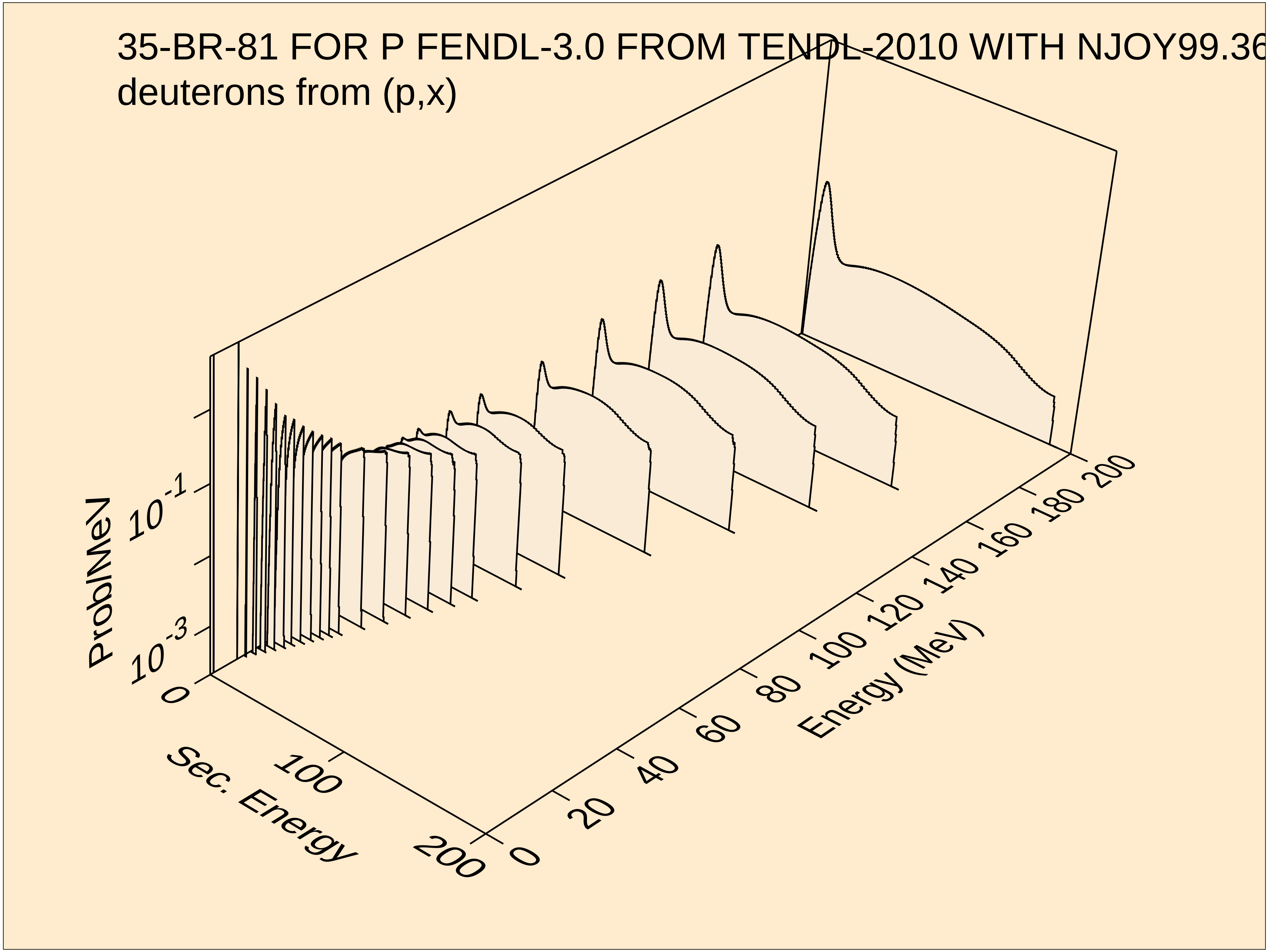

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Particle heating contributions
neutrons
deuterons
tritons
he-3
alphas
MeV/collision
Energy (MeV)
0
2
4
6
8
10
12
0
20
40
60
80
100
120
140
160
180
200


35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Recoil Heating
recoil heating
Heating (MeV/reaction)
Energy (MeV)
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120
140
160
180
200

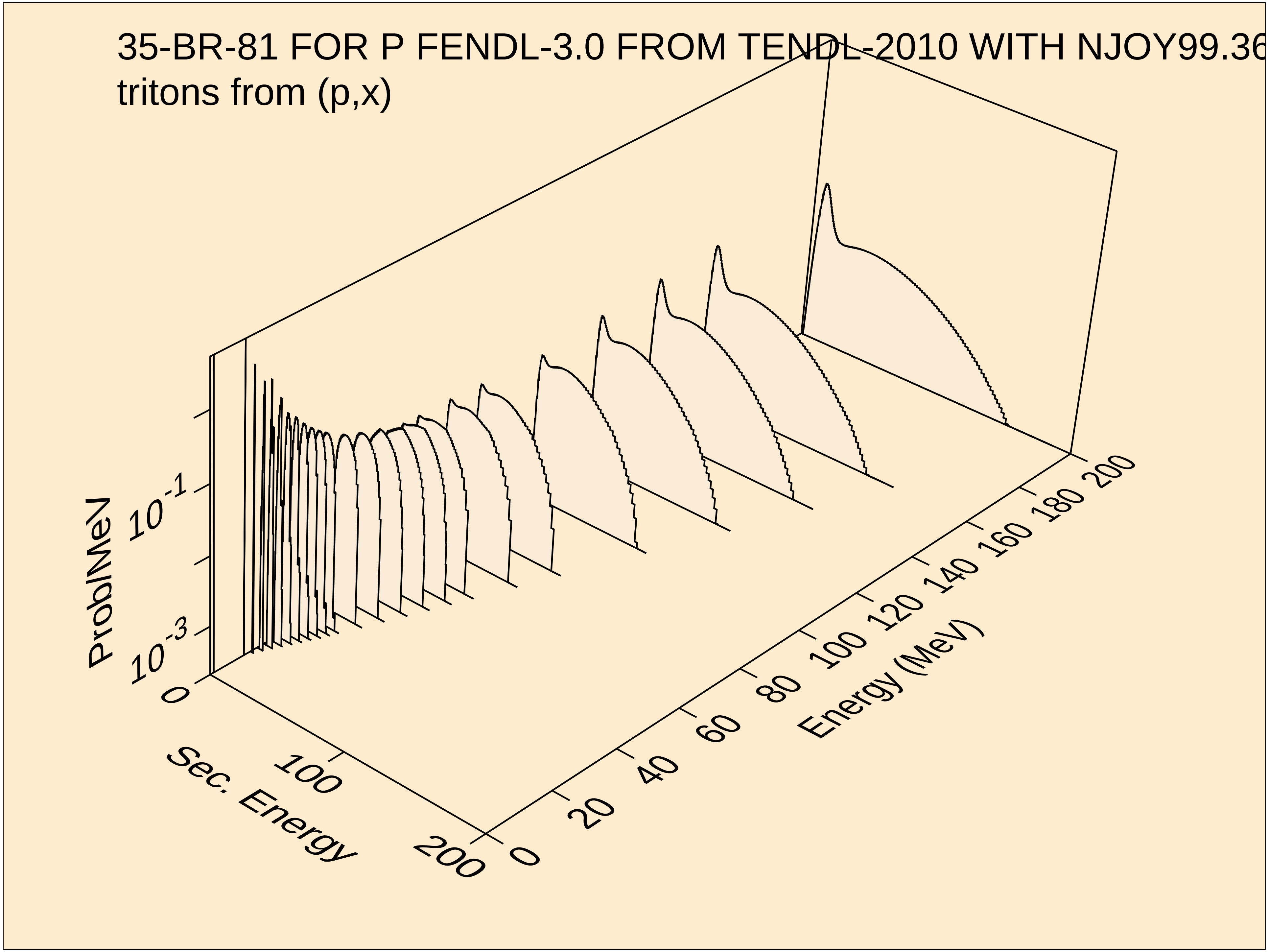


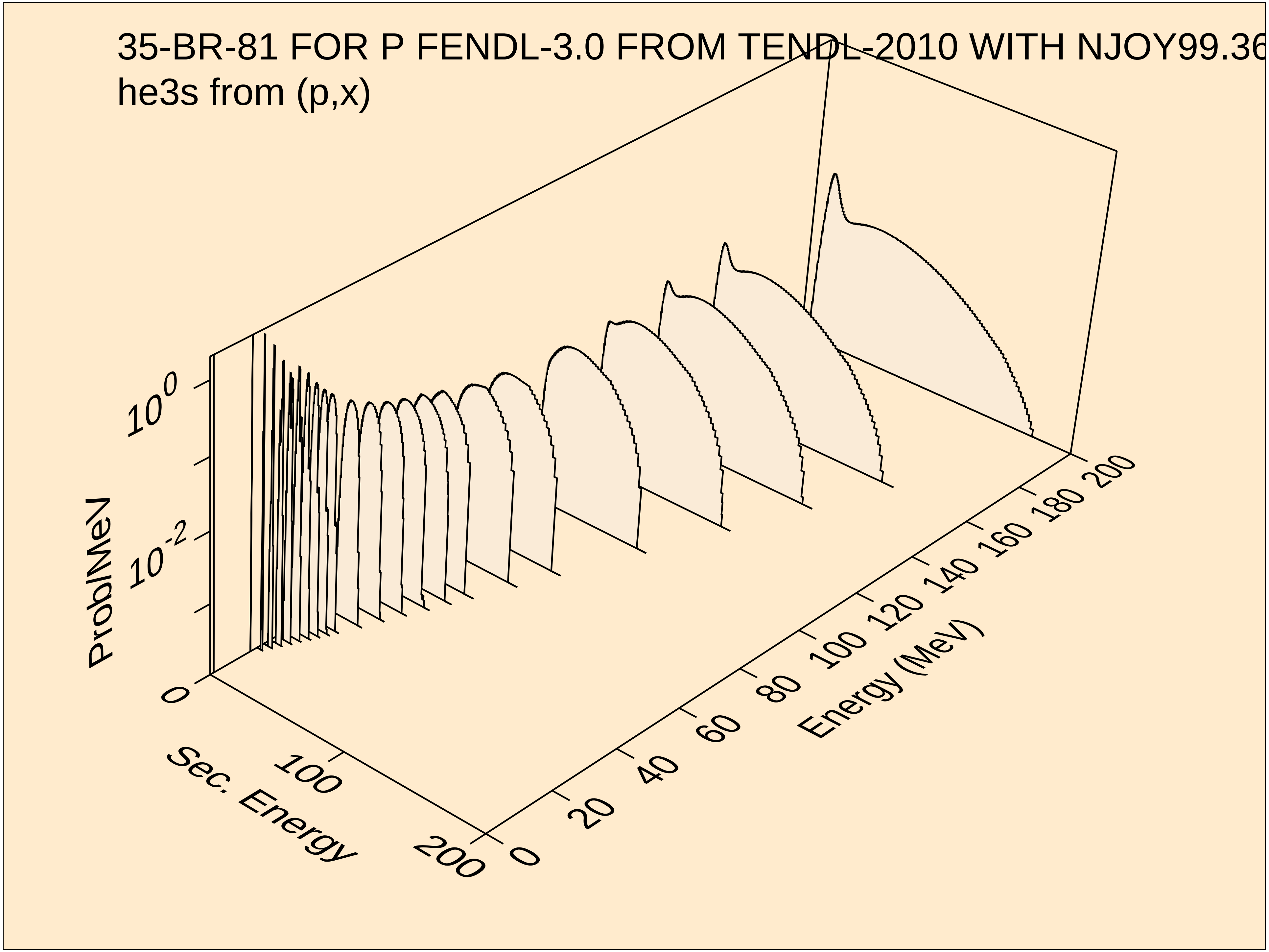
35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
Particle production cross sections
Cross section (barns)
Energy (MeV)
0
1
2
3
4
5
0
20
40
60
80
100
120
140
160
180
200
neutrons
deuterons
tritons
he-3
alphas

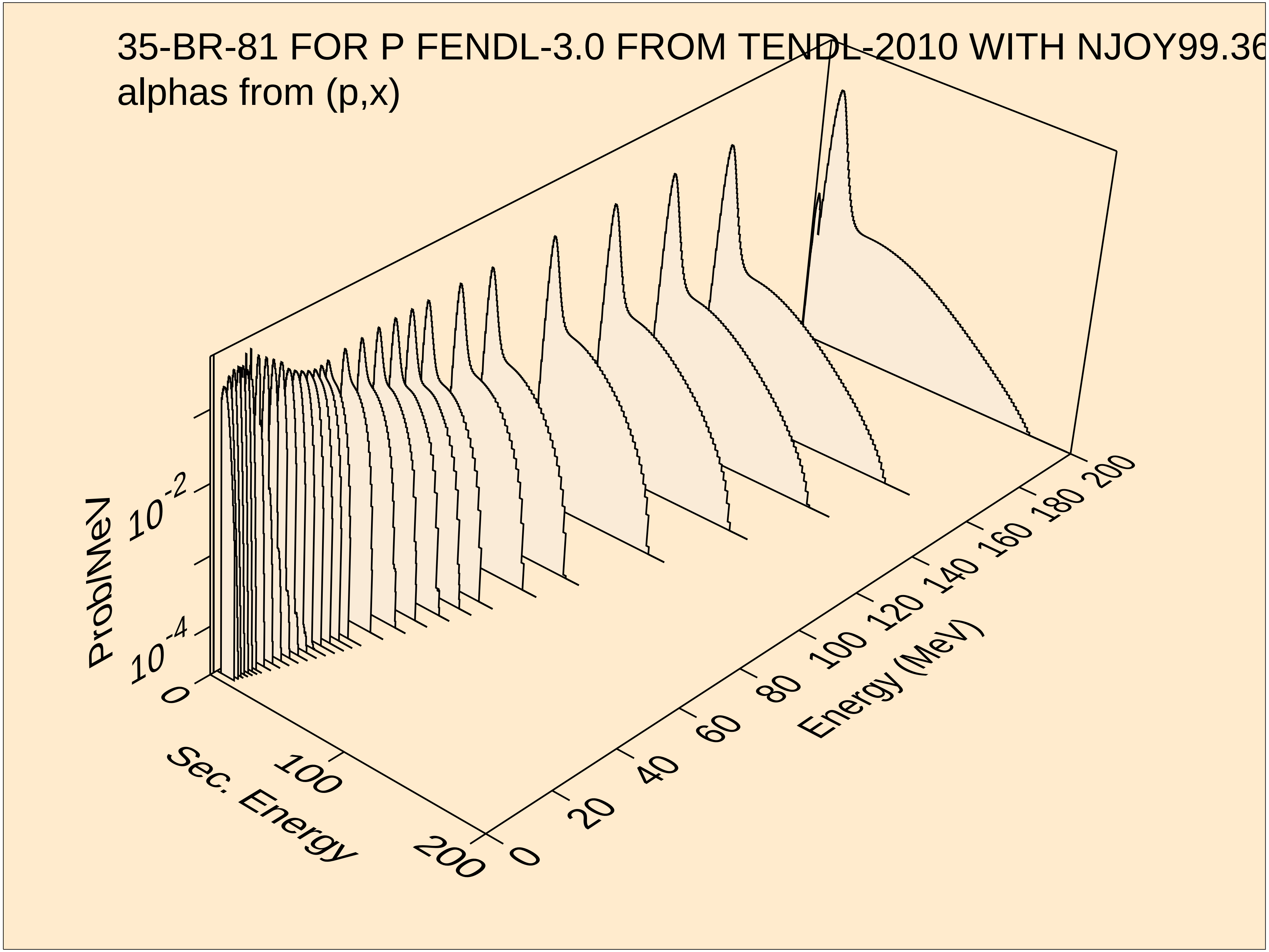

35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
neutrons from (p,x)
Prob/MeV
10^0
10^{-2}
10^{-4}
Sec. Energy
0
100
200
Energy (MeV)
0
20
40
60
80
100
120
140
160
180
200



35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
deuterons from (p,x)
ProbMeV
10^{-1}
10^{-3}
0
100
200
Sec. Energy
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)


35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
tritons from (p,x)
ProbMeV
10^{-1}
10^{-3}
0
100
200
Sec. Energy
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)


35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
he3s from (p,x)
ProbMeV
10^{0}
10^{-2}
0
100
200
Sec. Energy
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)


35-BR-81 FOR P FENDL-3.0 FROM TENDL-2010 WITH NJOY99.36
alphas from (p,x)
Prob/MeV
10^{-2}
10^{-4}
0
100
200
Sec. Energy
0
20
40
60
80
100
120
140
160
180
200
Energy (MeV)