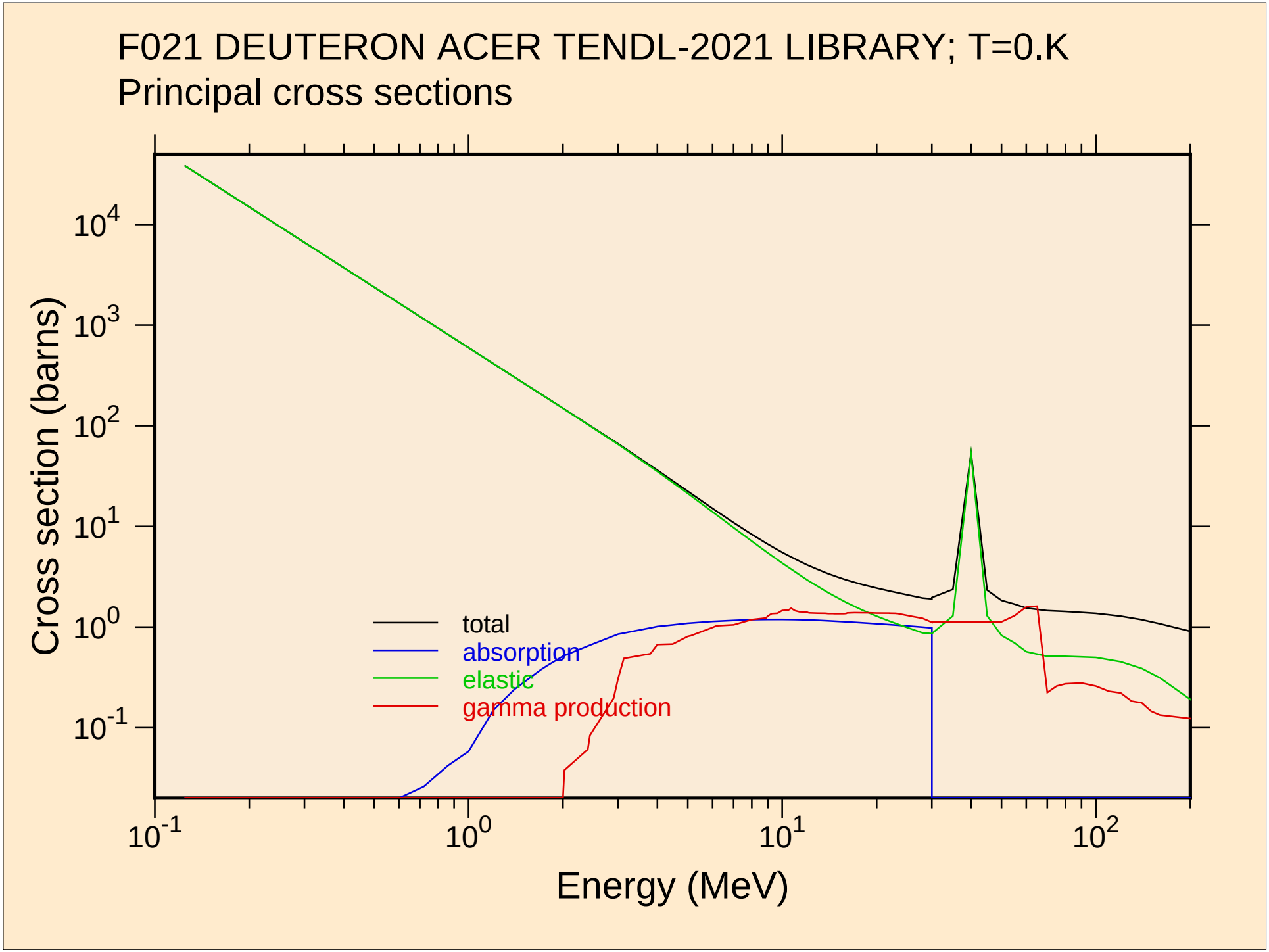
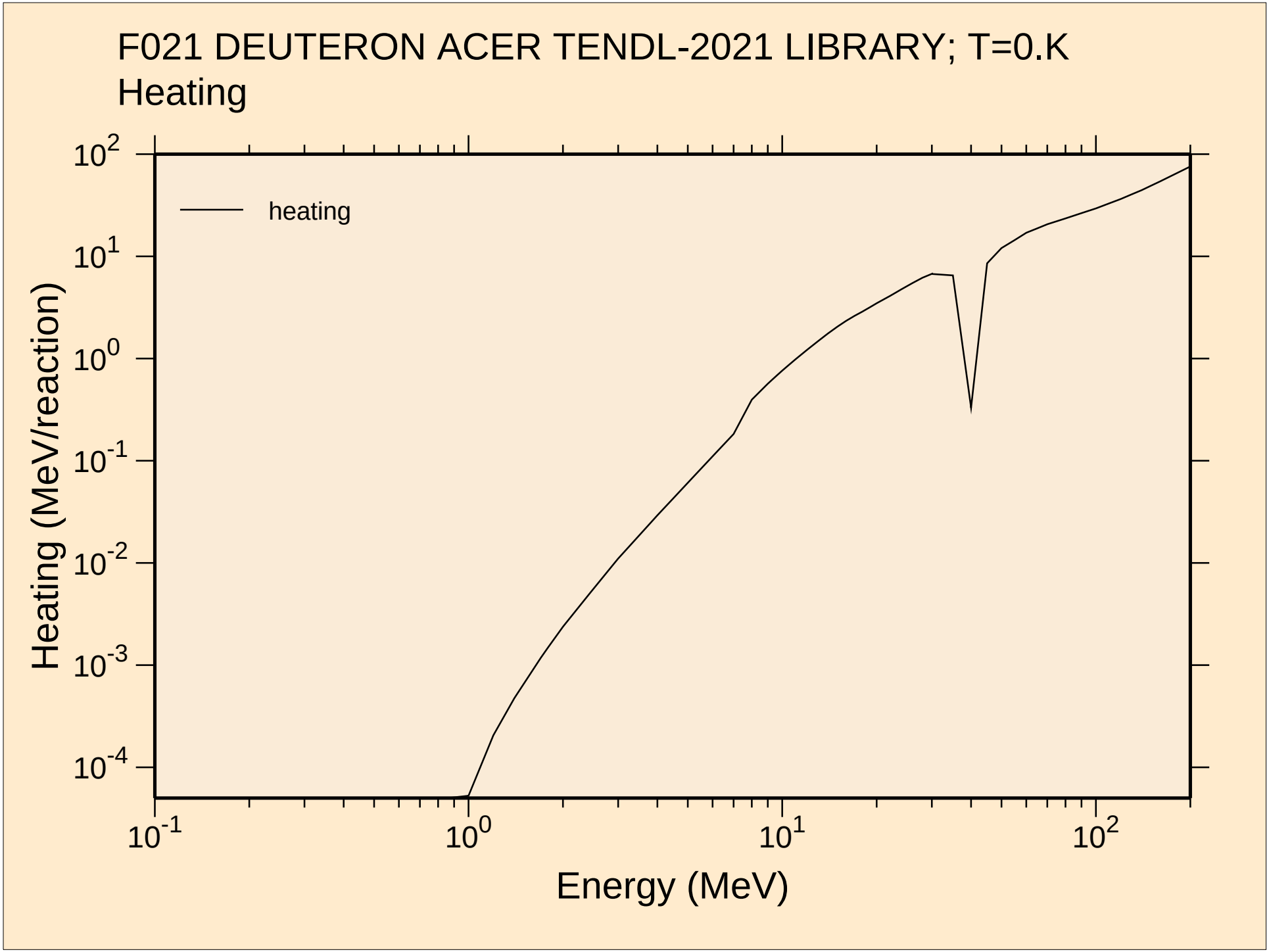
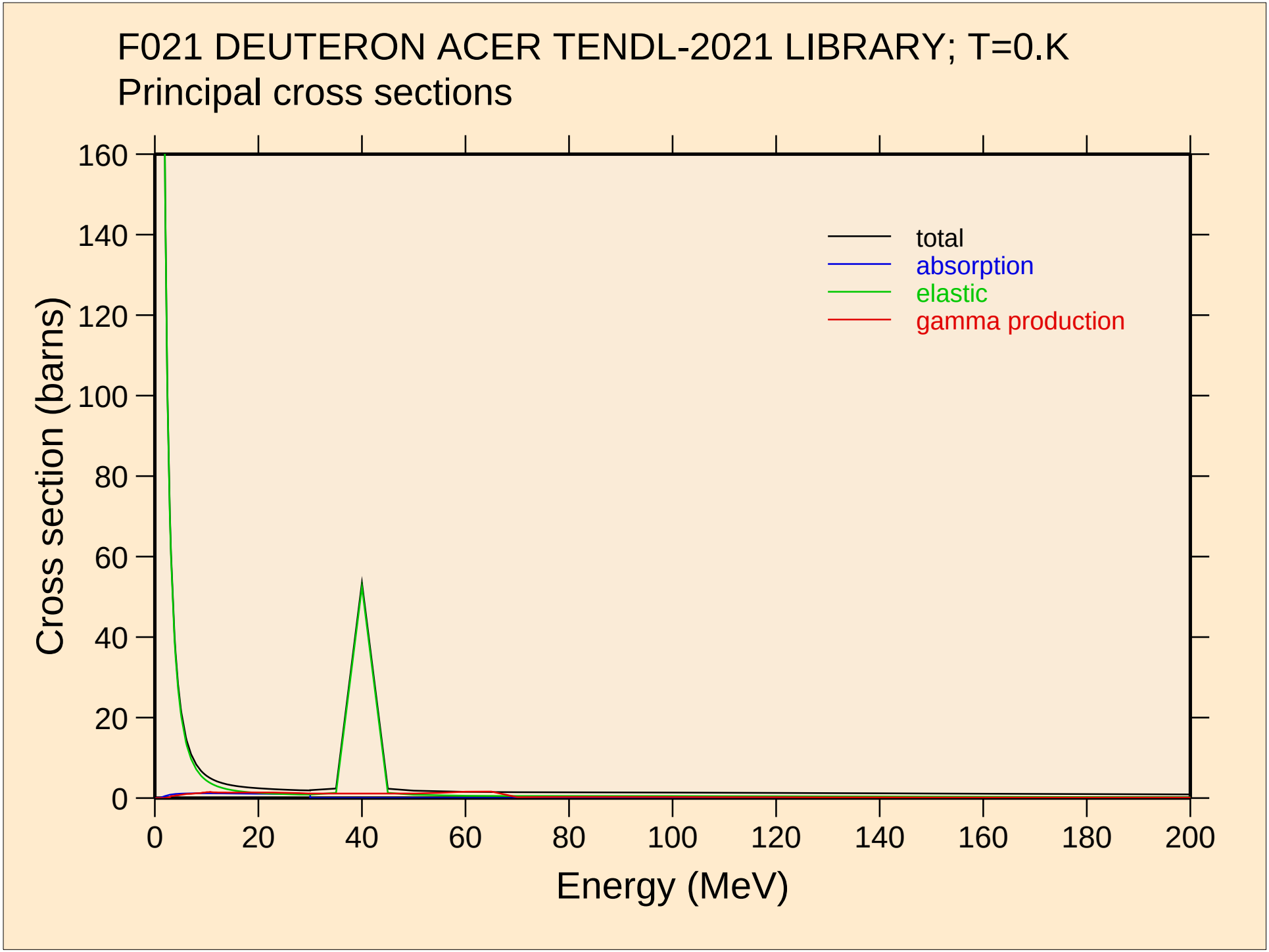
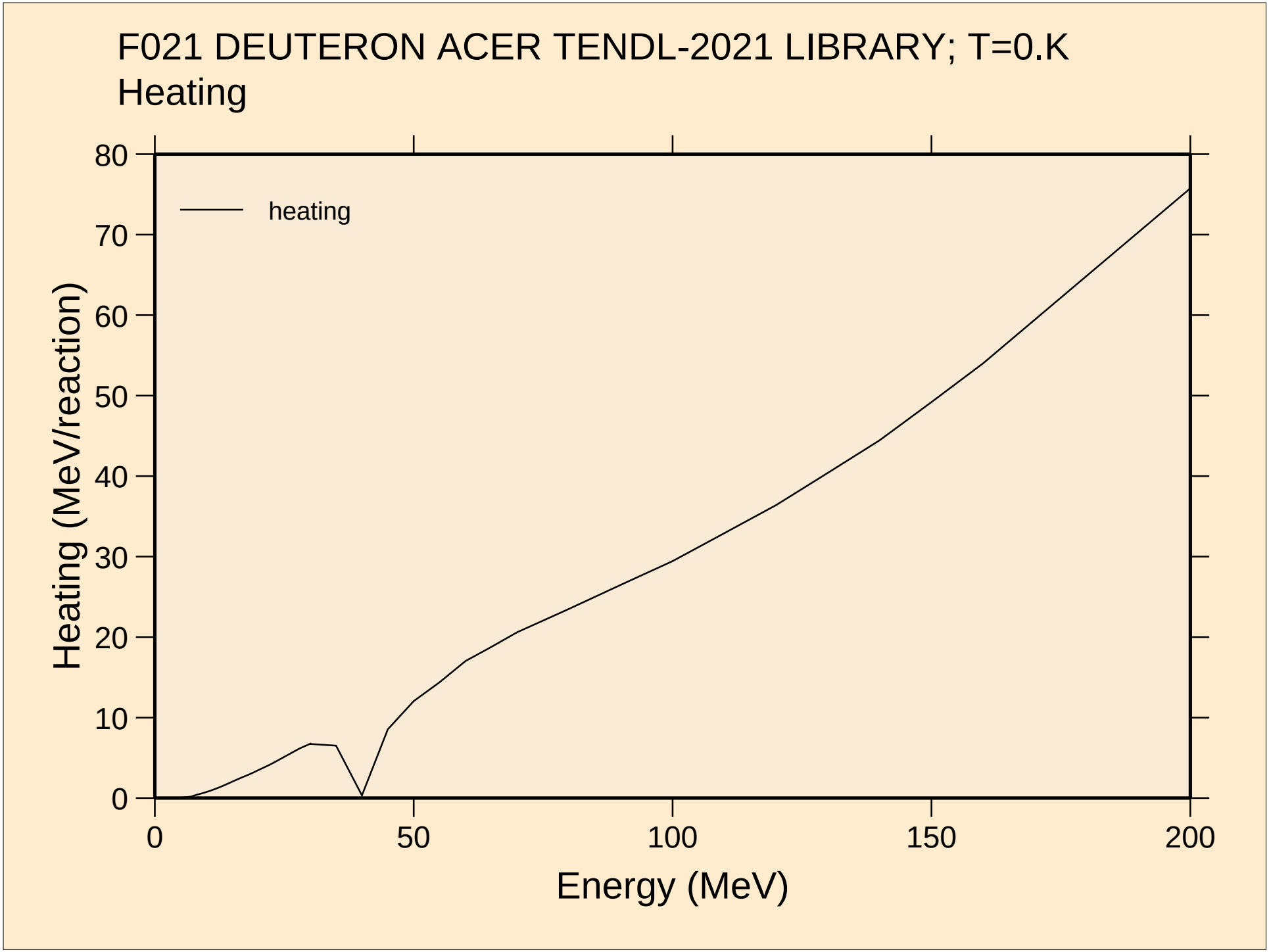
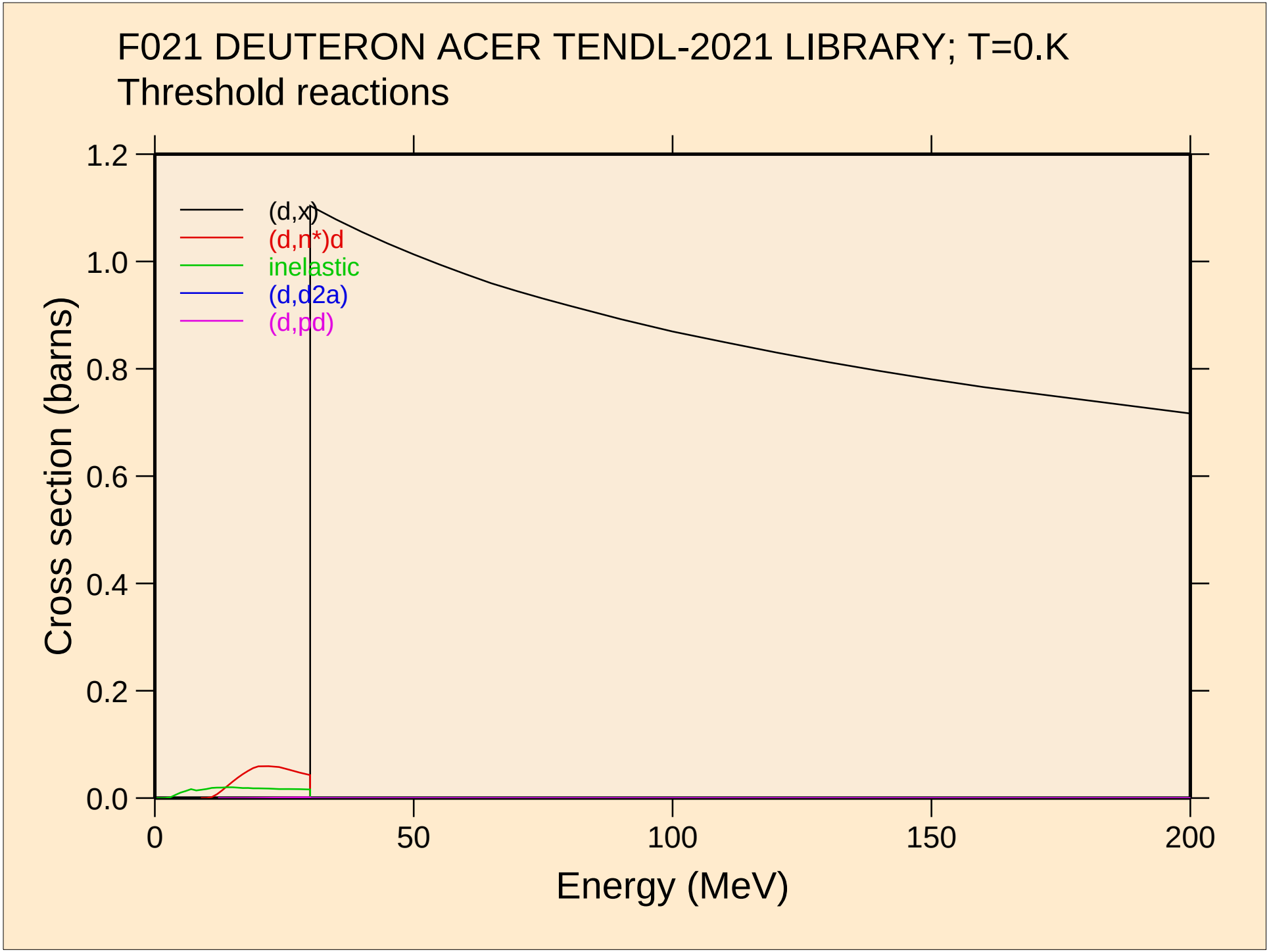
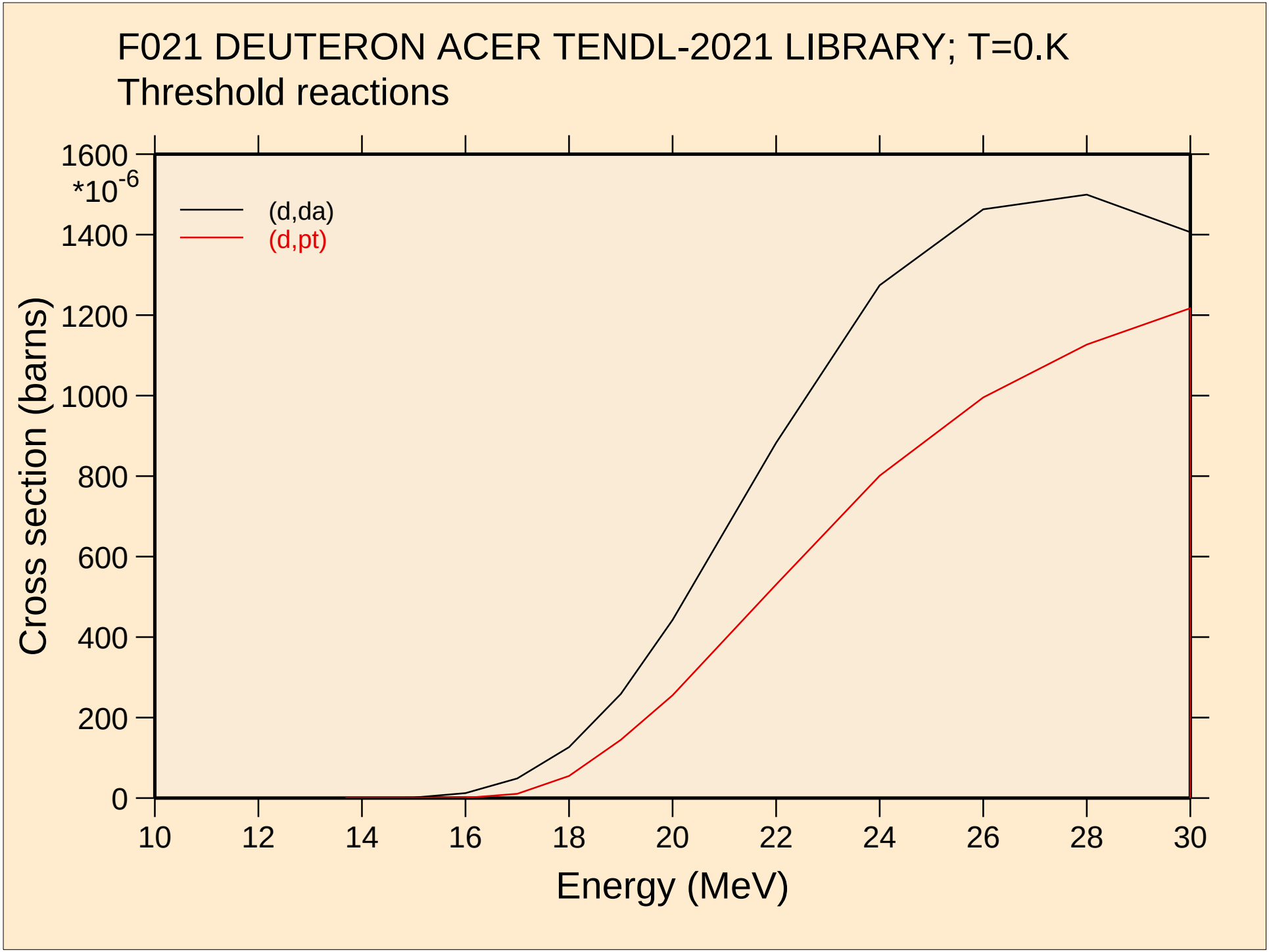

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections
Cross section (barns)
10^{4}
10^{3}
10^{2}
10^{1}
10^{0}
10^{-1}
10^{-1}
10^{0}
10^{1}
10^{2}
Energy (MeV)
total
absorption
elastic
gamma production

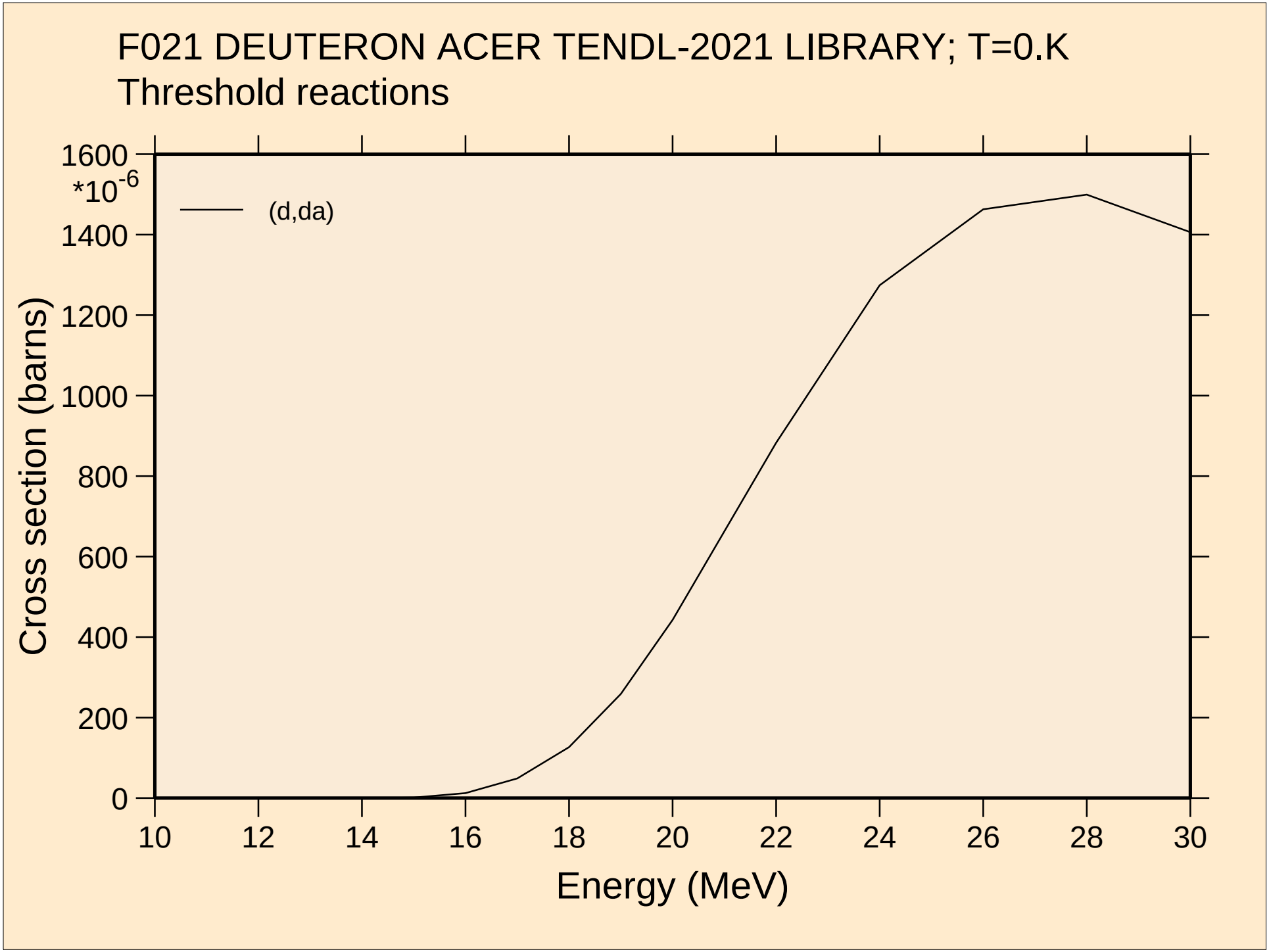

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
10^2
10^1
10^0
10^-1
10^-2
10^-3
10^-4
10^-1
10^0
10^1
10^2

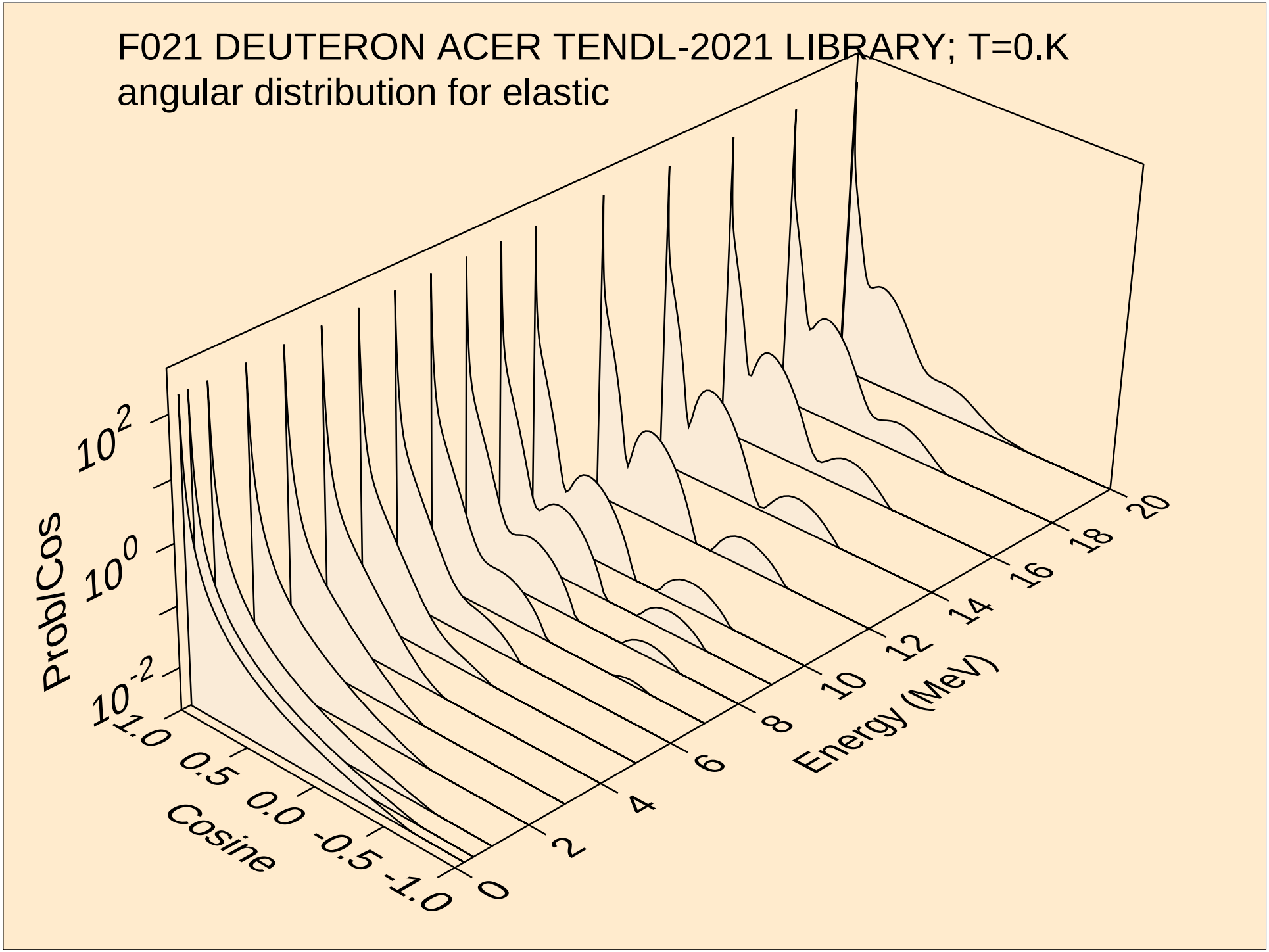

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Principal cross sections
Cross section (barns)
Energy (MeV)
total
absorption
elastic
gamma production
0
20
40
60
80
100
120
140
160
180
200

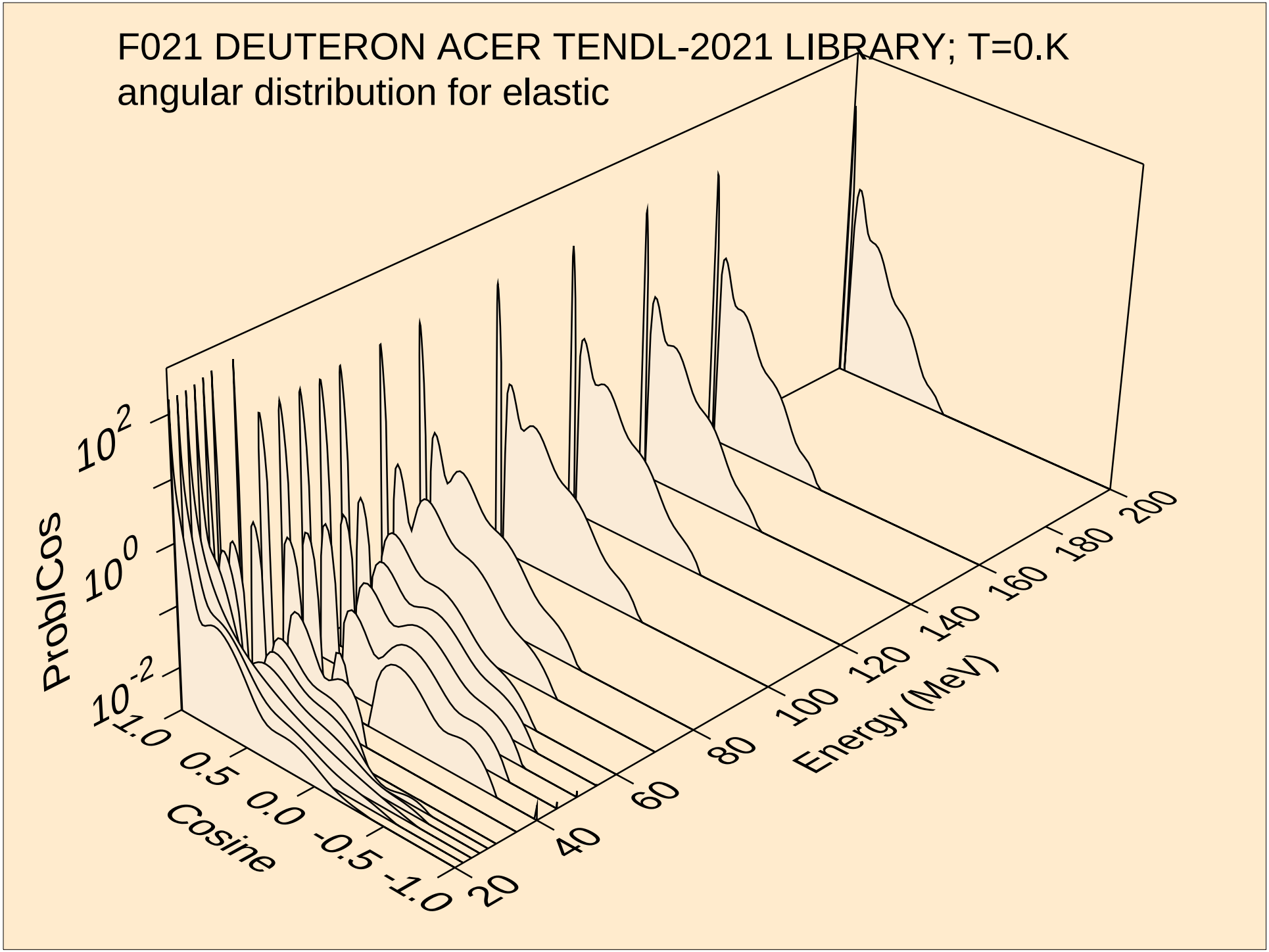

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Heating
heating
Heating (MeV/reaction)
Energy (MeV)
0
10
20
30
40
50
60
70
80
0
50
100
150
200

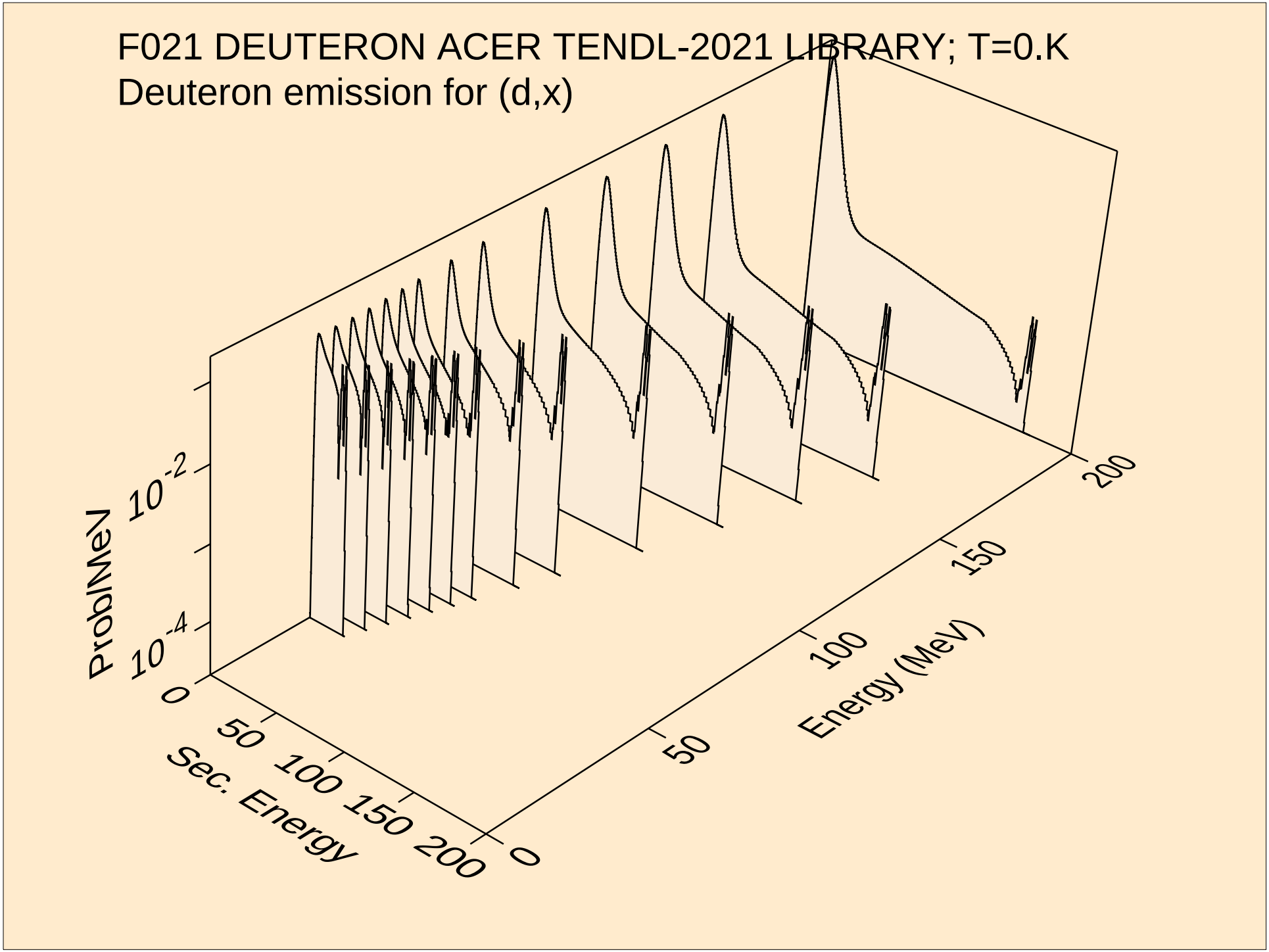

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions
Cross section (barns)
Energy (MeV)
(d,x)
(d,n*)d
inelastic
(d,d2a)
(d,pd)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
0
50
100
150
200

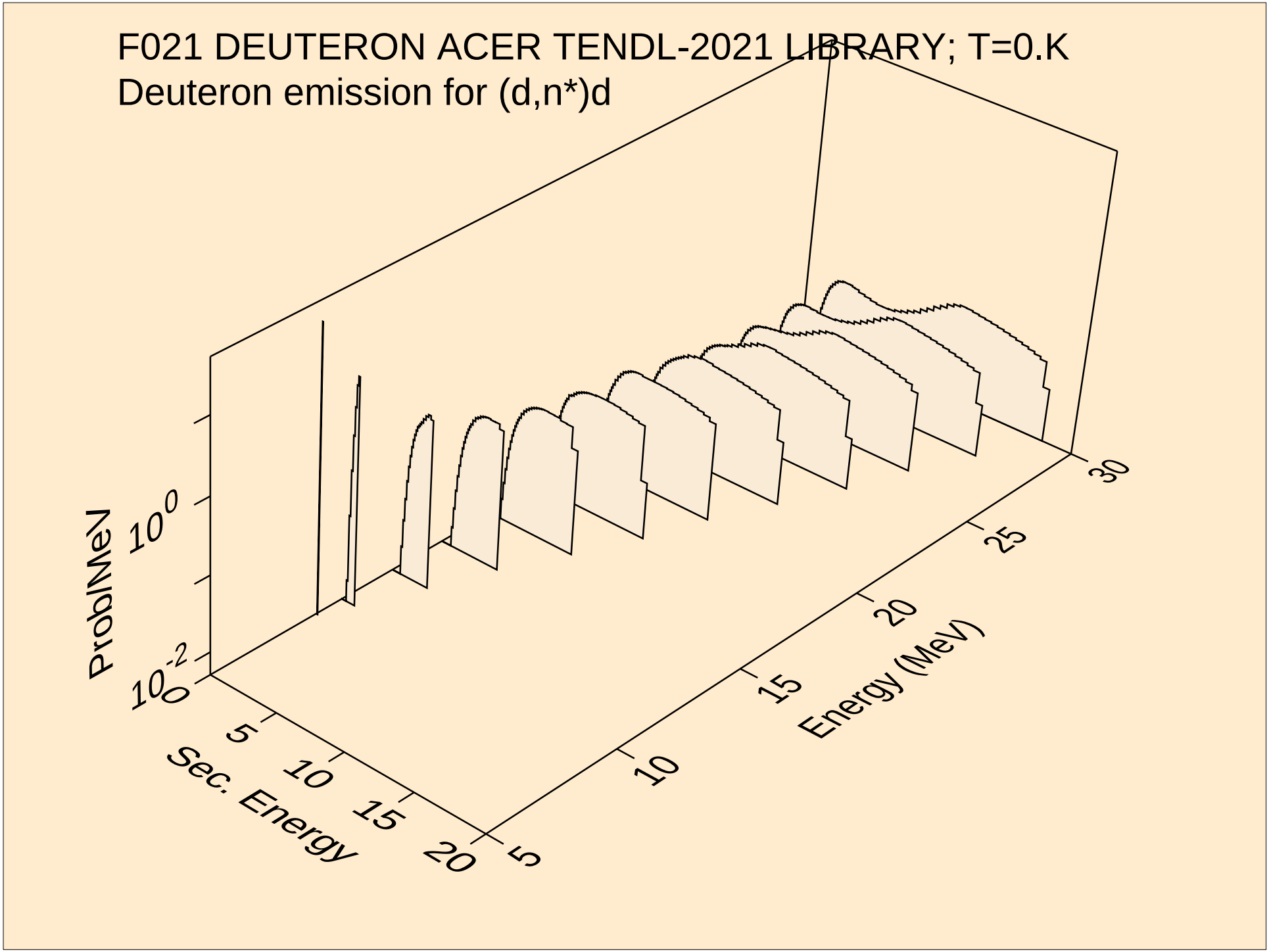

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions
1600
*10-6
1400
1200
1000
800
600
400
200
0
(d,da)
(d,pt)
Cross section (barns)
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

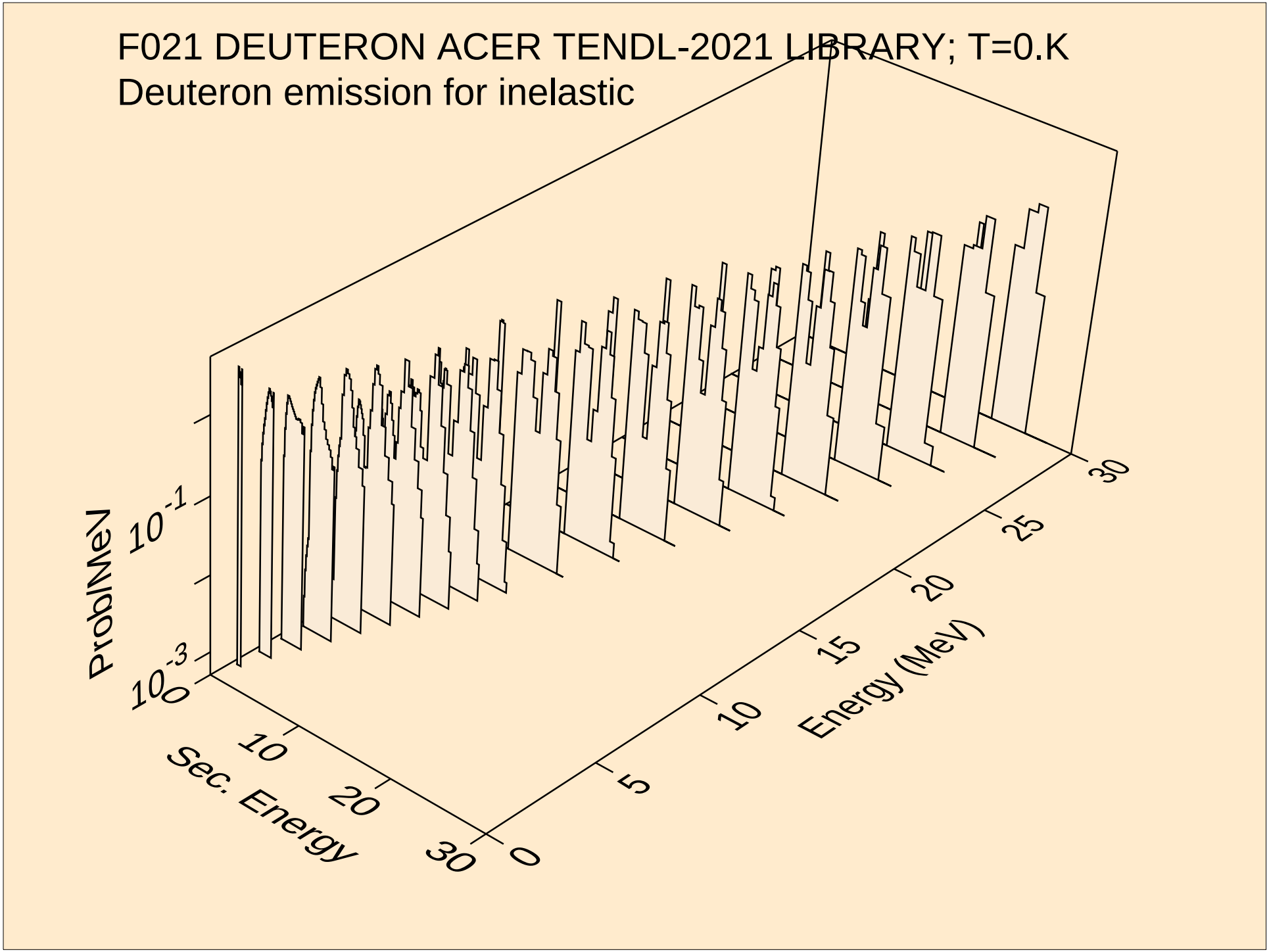

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Threshold reactions
1600
*10-6
1400
1200
1000
800
600
400
200
0
(d,da)
Cross section (barns)
10
12
14
16
18
20
22
24
26
28
30
Energy (MeV)

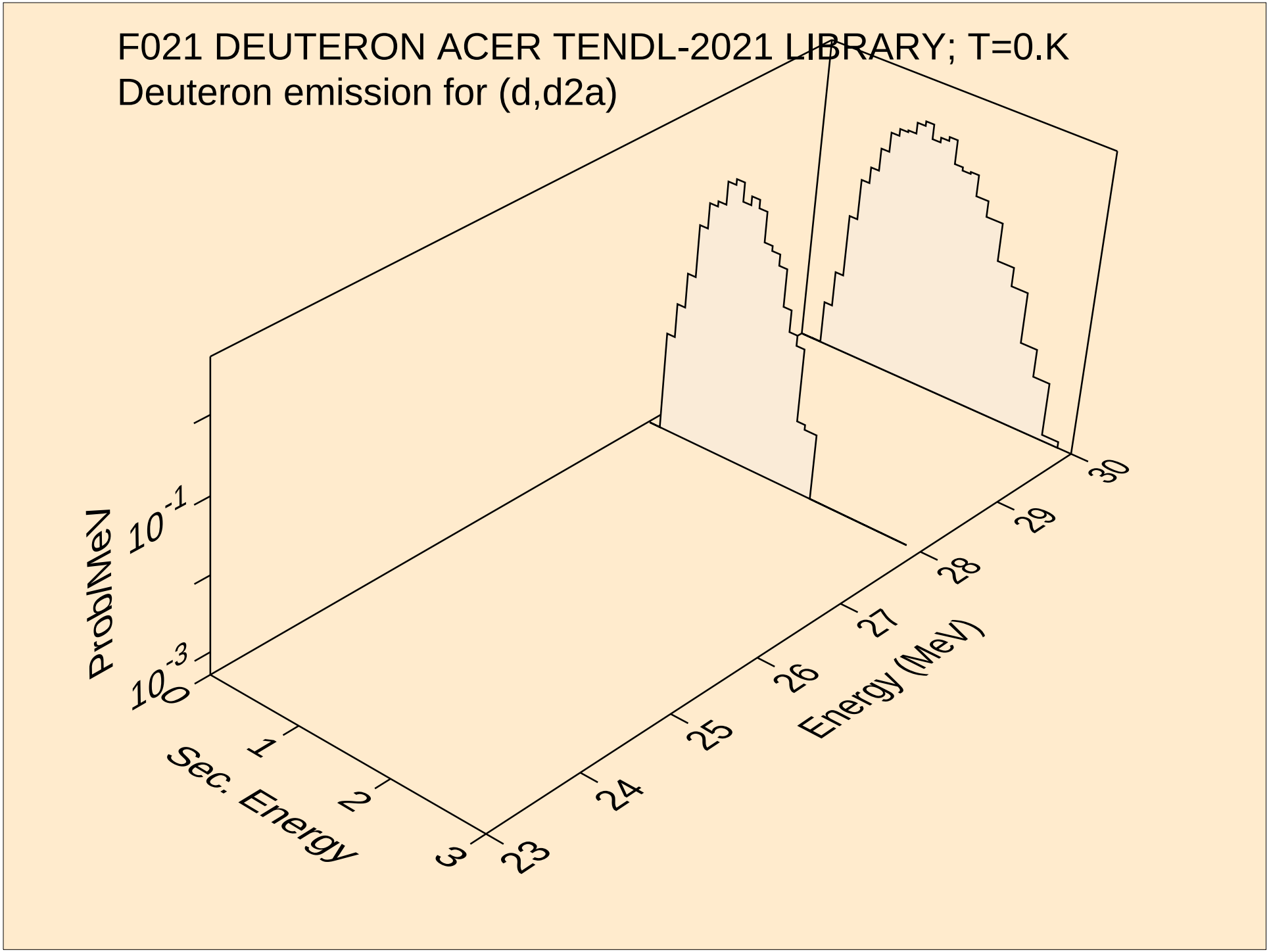

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic
ProbCos
10^{2}
10^{0}
10^{-2}
Cosine
1.0
0.5
0.0
-0.5
-1.0
Energy (MeV)
0
2
4
6
8
10
12
14
16
18
20

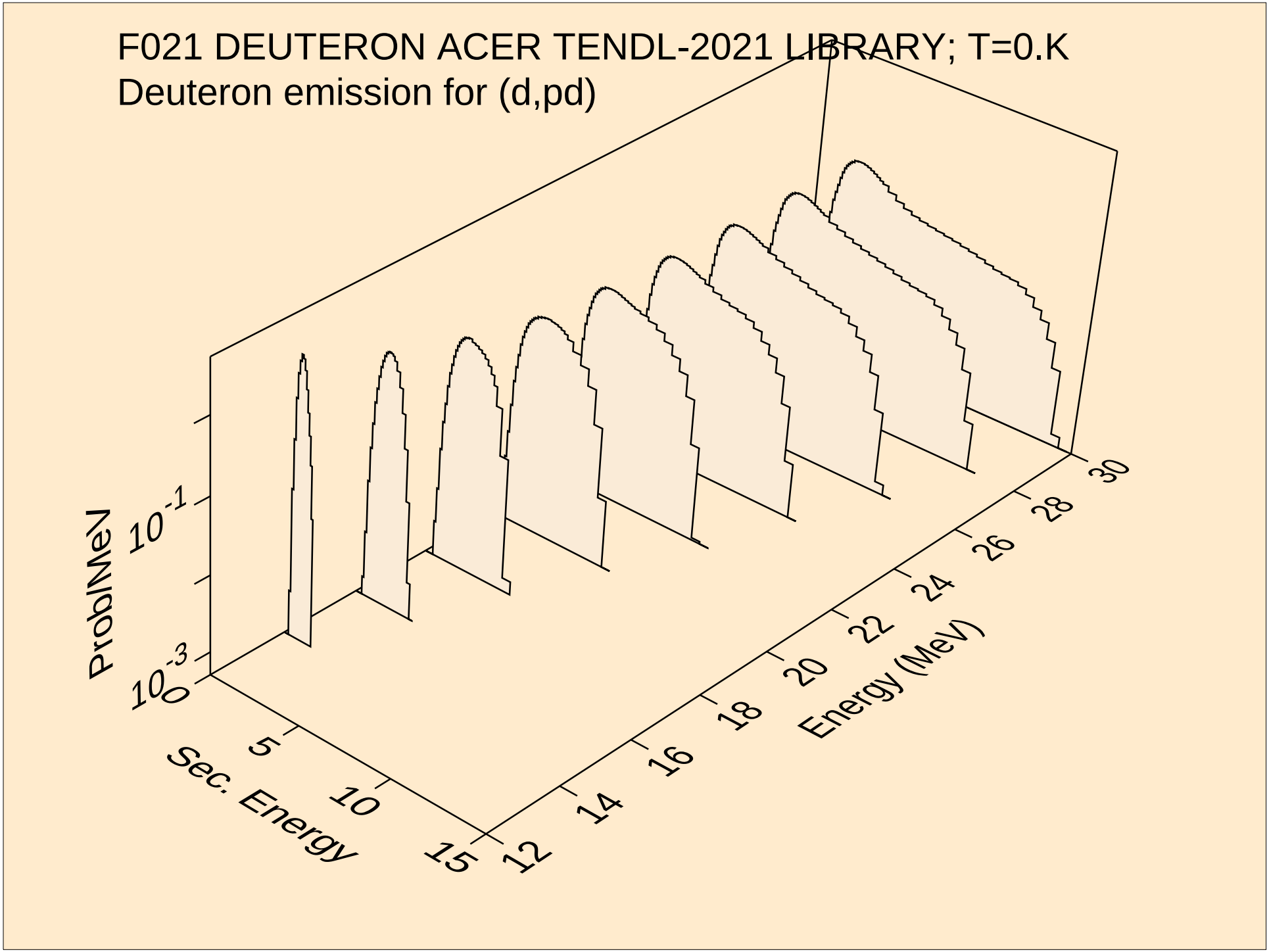

F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
angular distribution for elastic
ProbICos
10^{2}
10^{0}
10^{-2}
1.0
0.5
0.0
-0.5
-1.0
Cosine
20
40
60
80
100
120
140
160
180
200
Energy (MeV)


F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Deuteron emission for (d,x)
Prob/MeV
10-2
10-4
0
50
100
150
200
Sec. Energy
0
50
100
150
200
Energy (MeV)


F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Deuteron emission for (d,n*)d
Prob/MeV
10^{0}
10^{-2}
0
5
10
15
20
Sec. Energy
5
10
15
20
25
30
Energy (MeV)


F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Deuteron emission for inelastic
Prob/MeV
10-1
10-3
0
10
20
30
Sec. Energy
0
5
10
15
20
25
30
Energy (MeV)


F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Deuteron emission for (d,d2a)
Prob/MeV
10-1
10-3
0
1
2
3
Sec. Energy
23
24
25
26
27
28
29
30
Energy (MeV)


F021 DEUTERON ACER TENDL-2021 LIBRARY; T=0.K
Deuteron emission for (d,pd)
Prob/MeV
10-1
10-3
0
5
10
15
Sec. Energy
12
14
16
18
20
22
24
26
28
30
Energy (MeV)