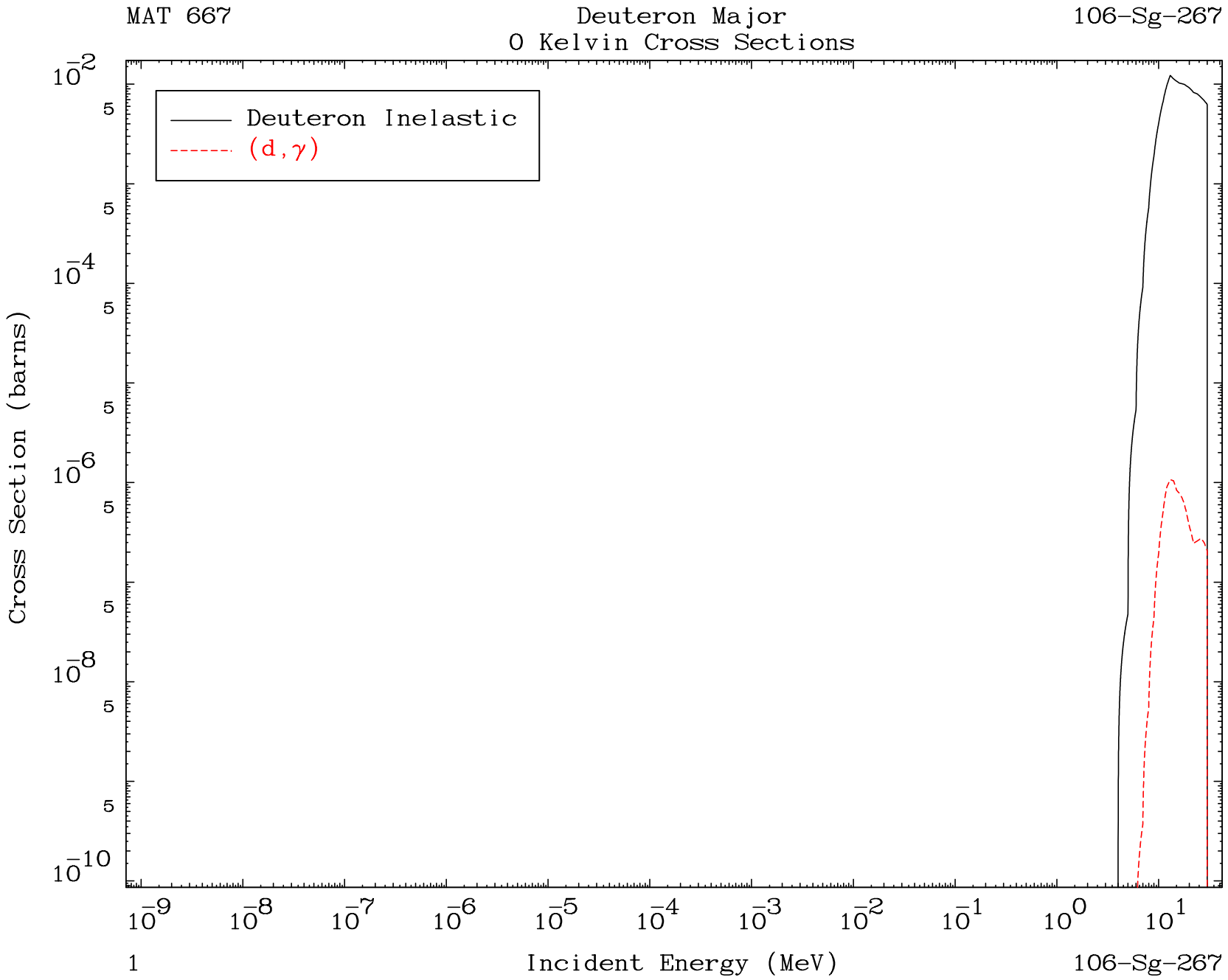
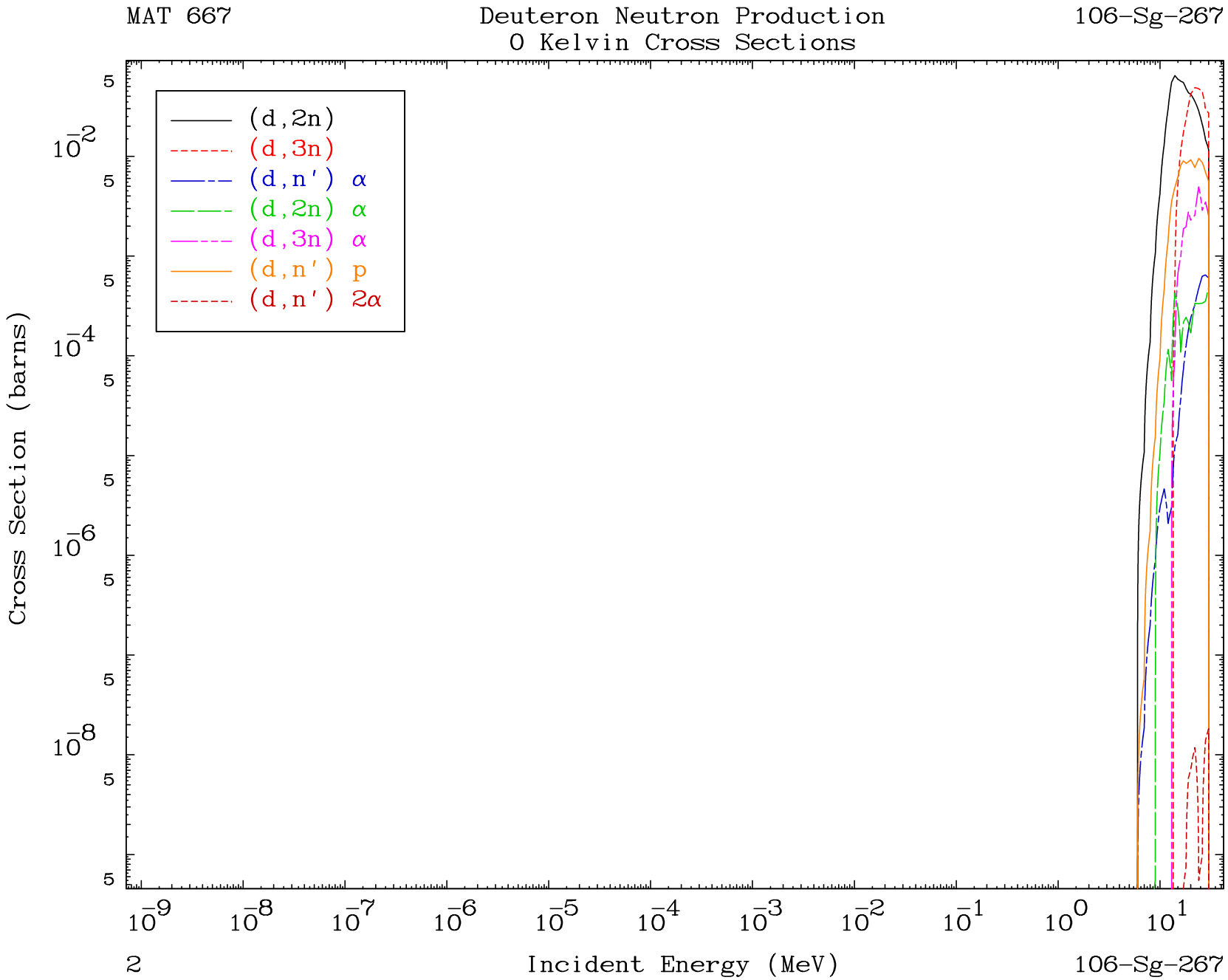
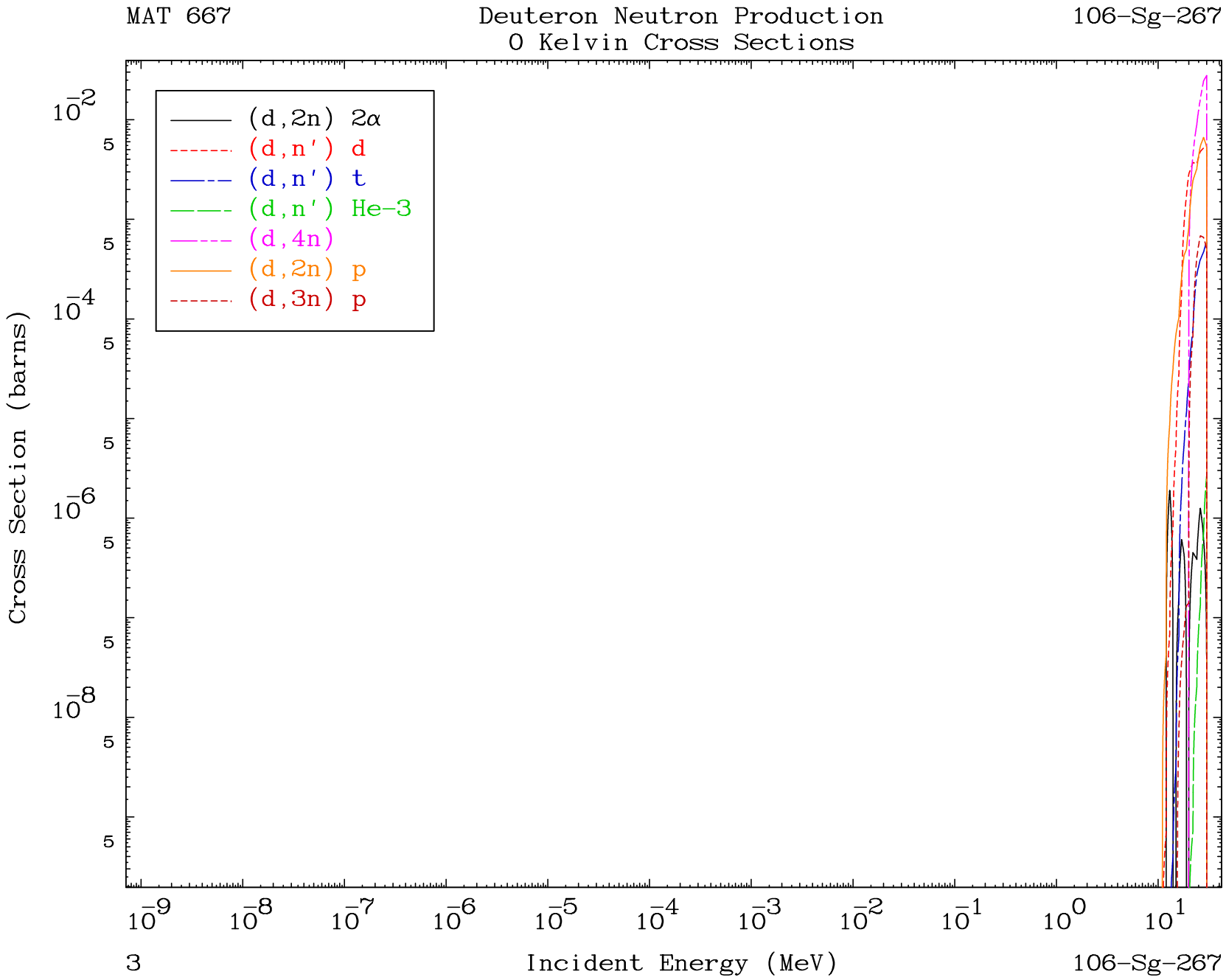
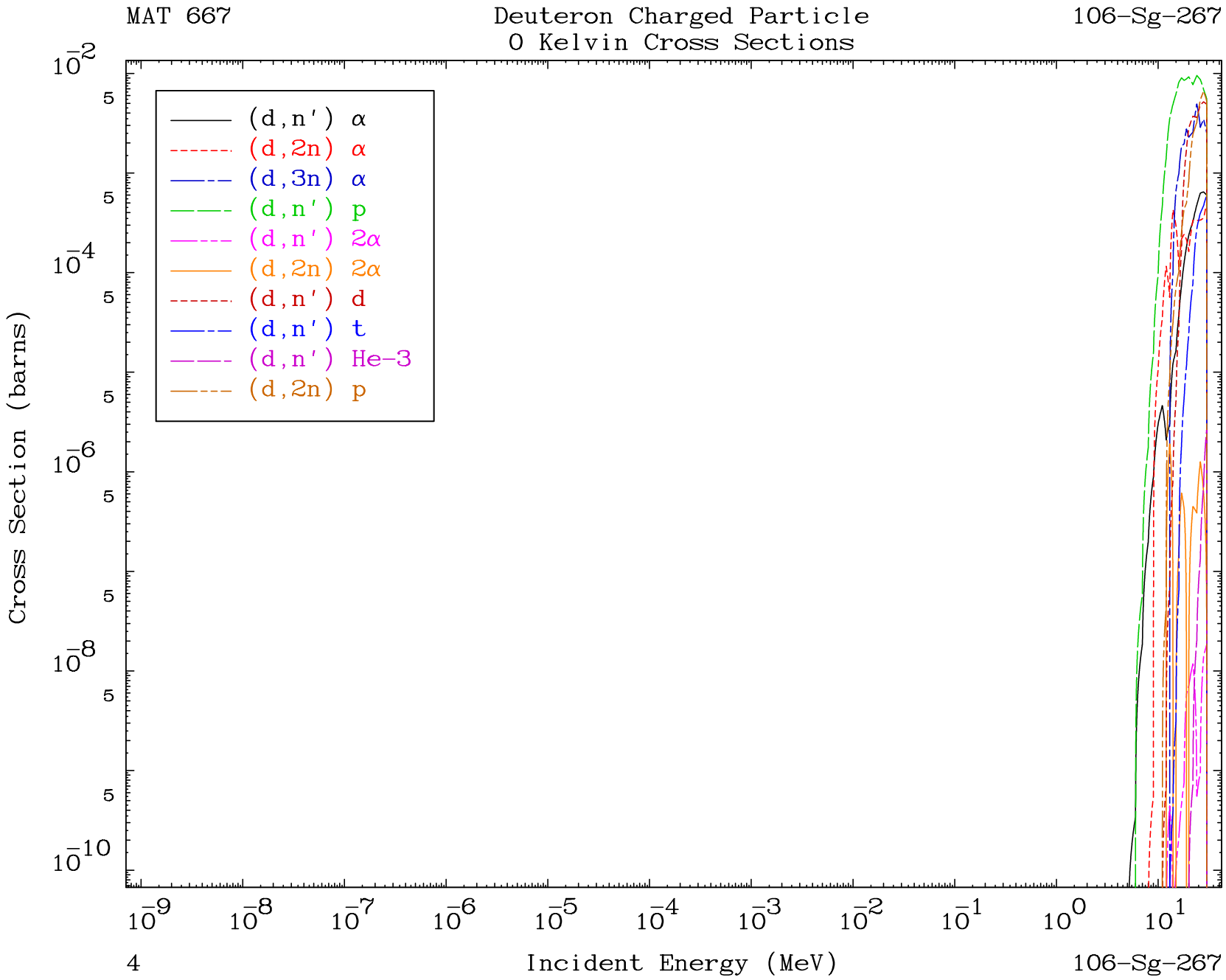
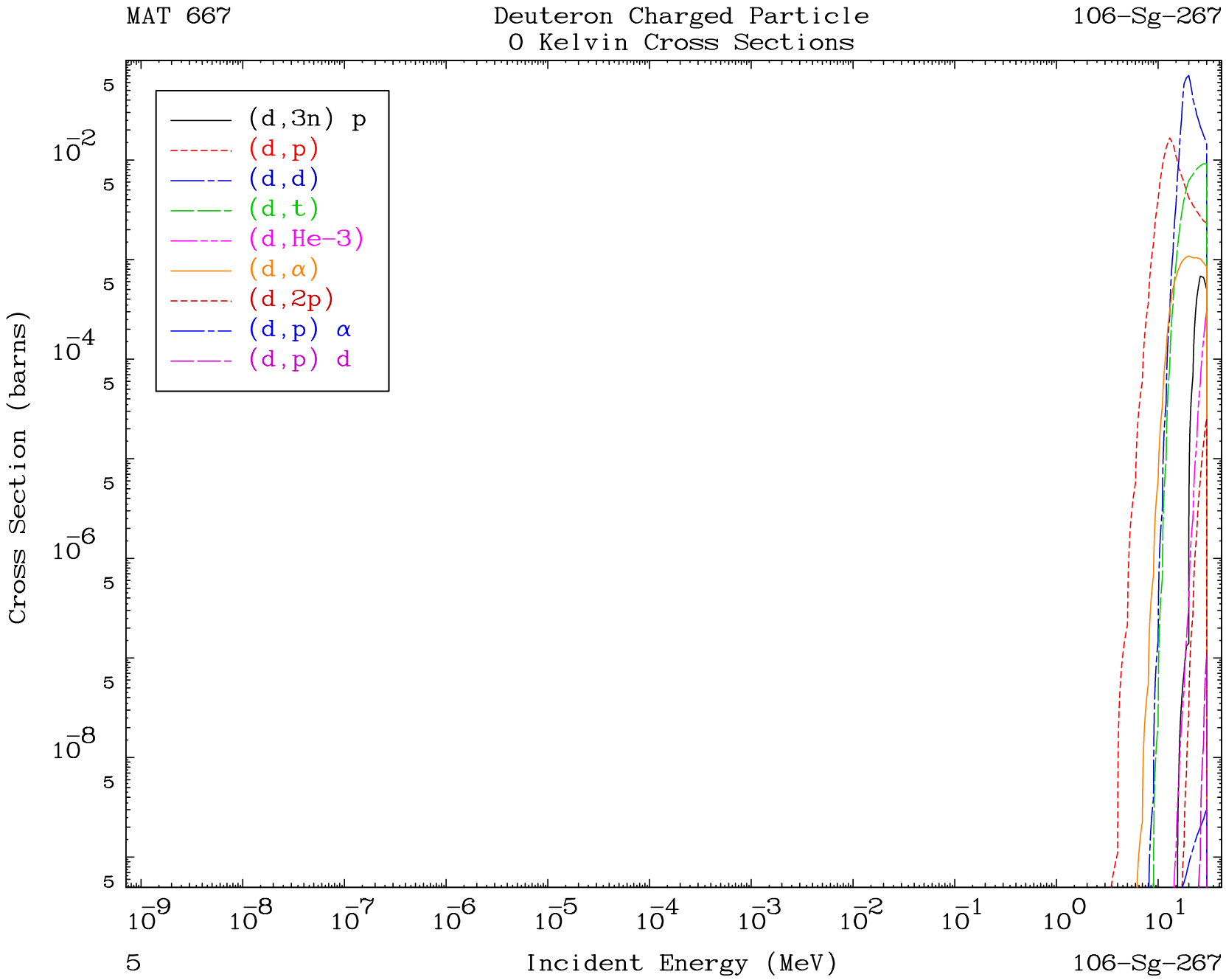
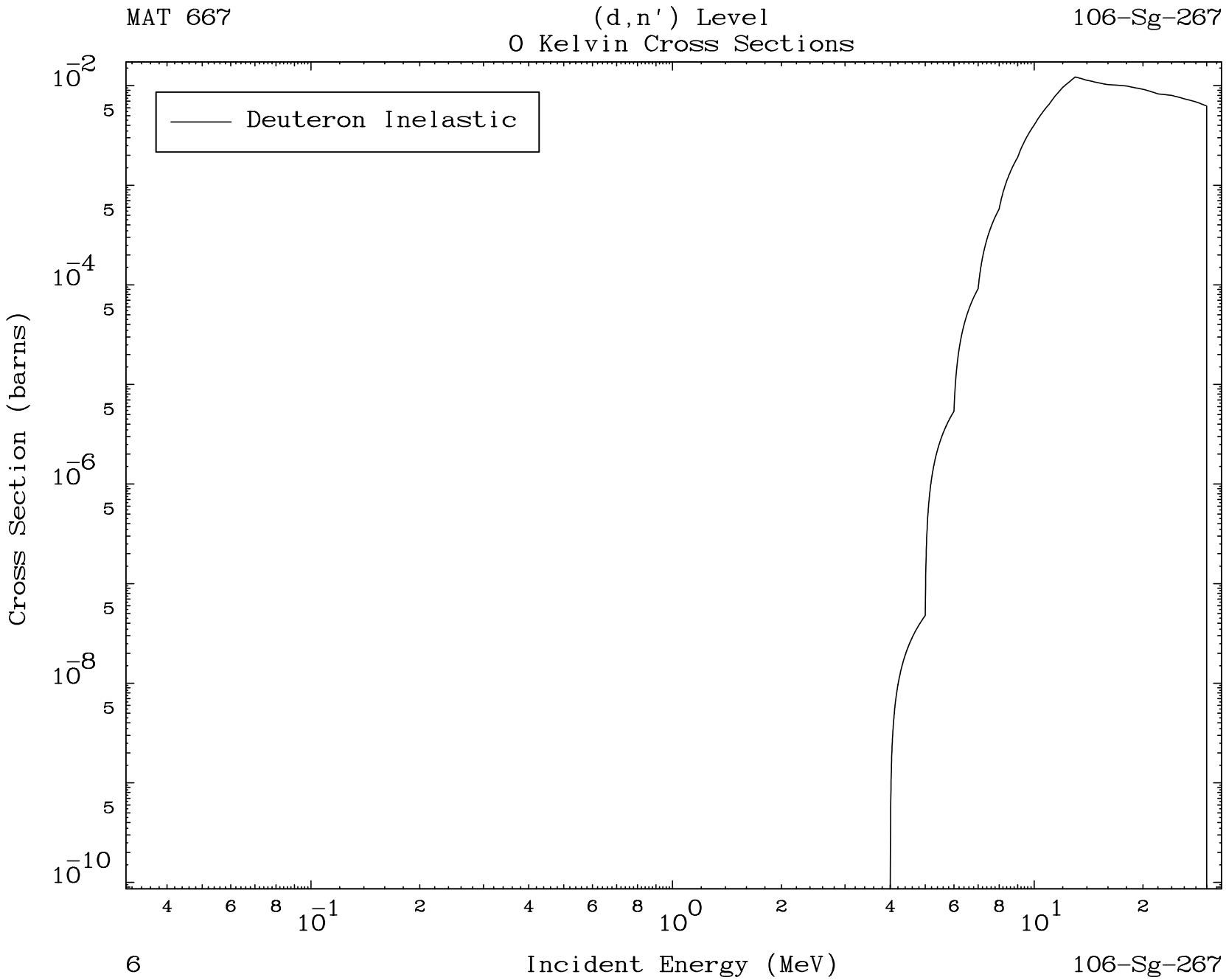

MAT 667
Deuteron Major
0 Kelvin Cross Sections
106-Sg-267
Deuteron Inelastic
(d,γ)
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267

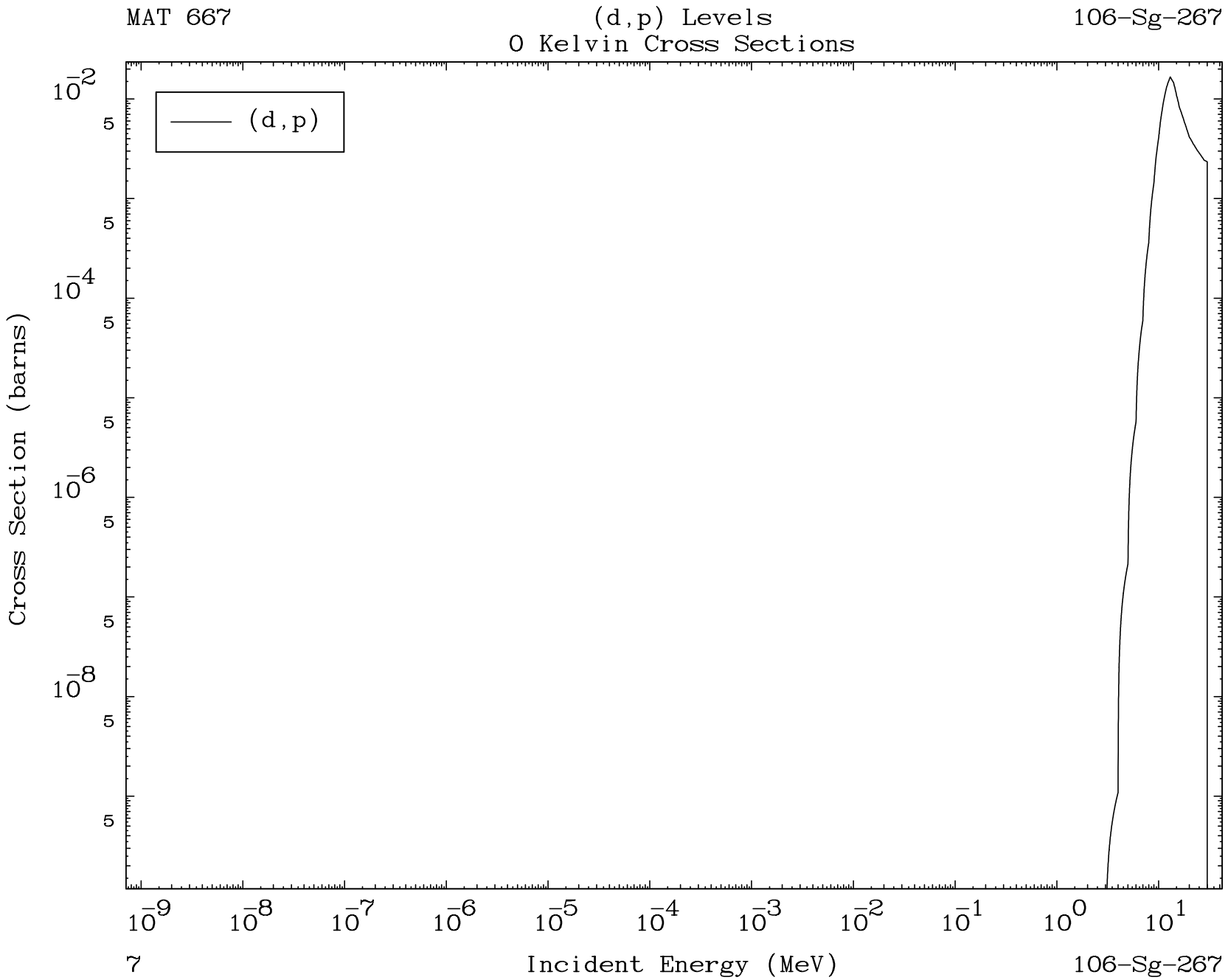

MAT 667
Deuteron Neutron Production
0 Kelvin Cross Sections
106-Sg-267
(d,2n)
(d,3n)
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
2

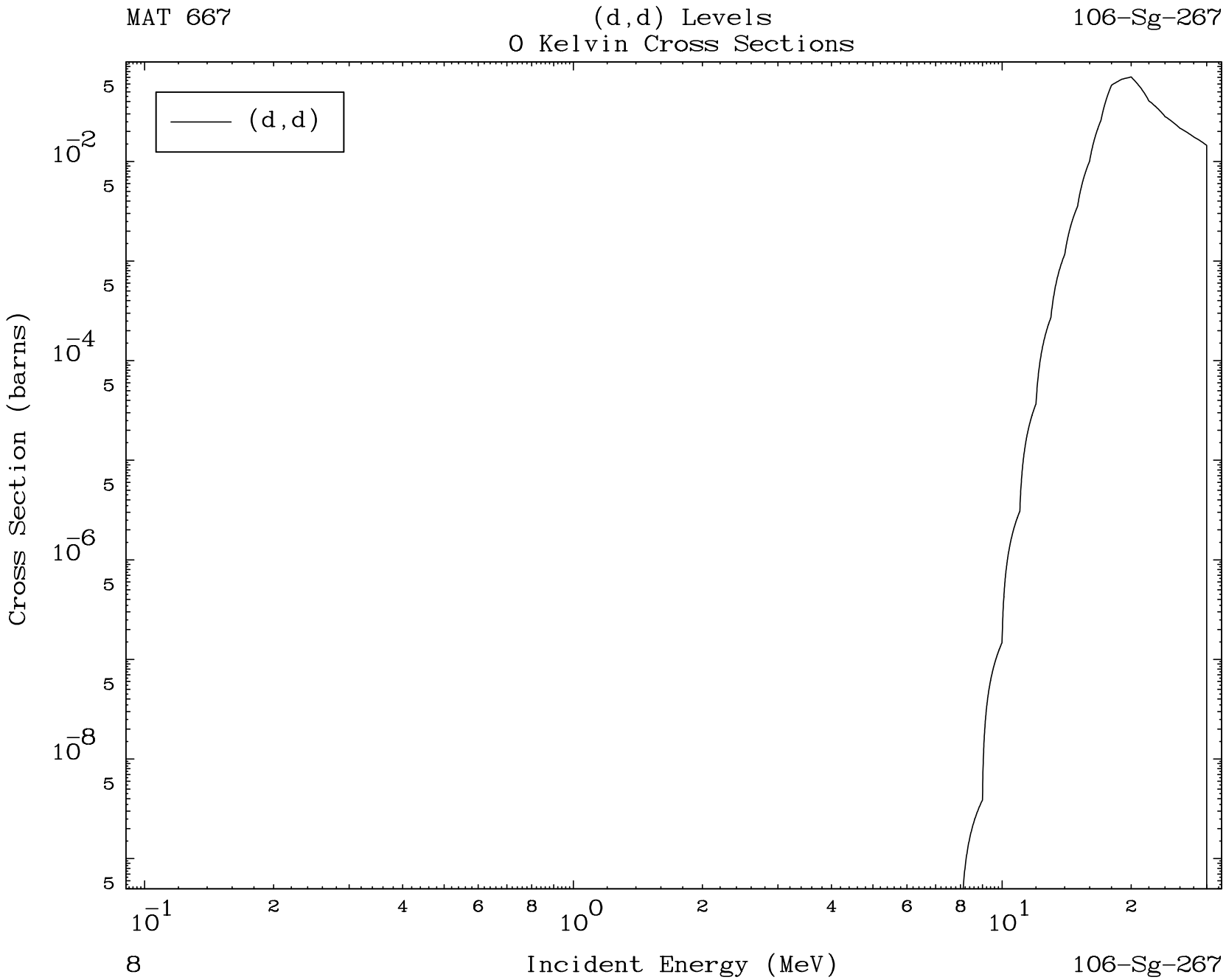

MAT 667
Deuteron Neutron Production
0 Kelvin Cross Sections
106-Sg-267
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,4n)
(d,2n) p
(d,3n) p
Cross Section (barns)
Incident Energy (MeV)
3
106-Sg-267

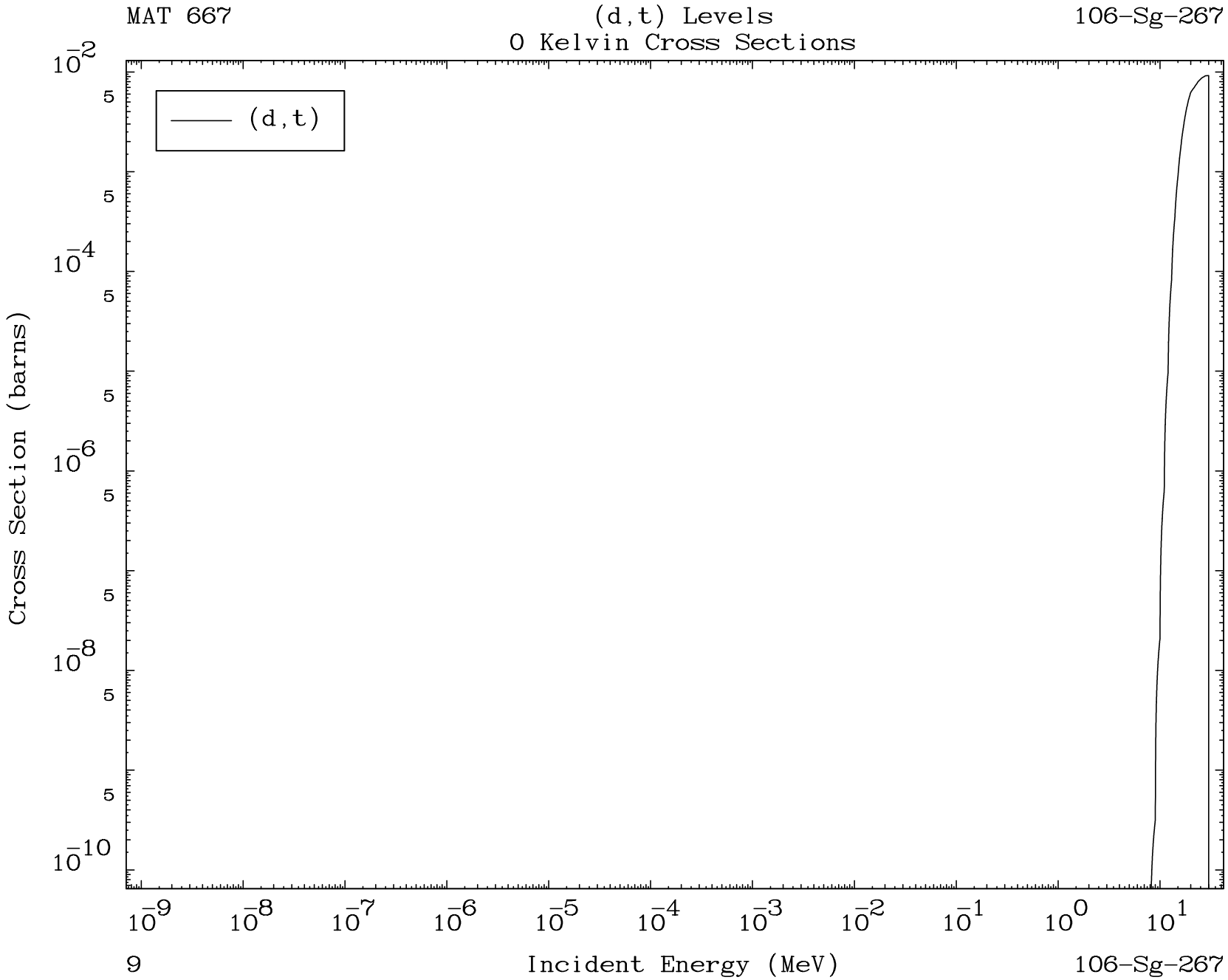

MAT 667
Deuteron Charged Particle
0 Kelvin Cross Sections
106-Sg-267
(d,n') α
(d,2n) α
(d,3n) α
(d,n') p
(d,n') 2α
(d,2n) 2α
(d,n') d
(d,n') t
(d,n') He-3
(d,2n) p
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
4

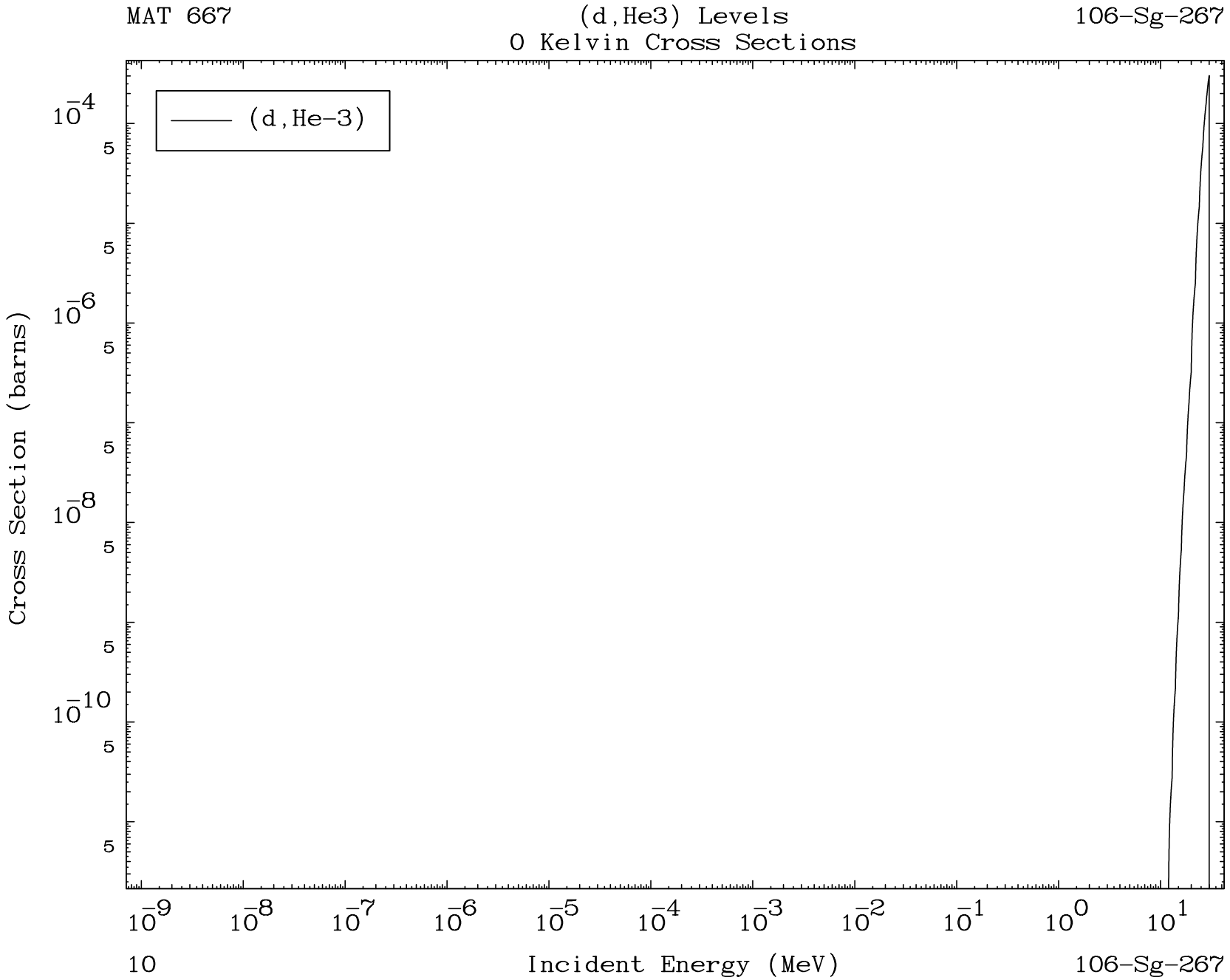

MAT 667
Deuteron Charged Particle
0 Kelvin Cross Sections
106-Sg-267
(d,3n) p
(d,p)
(d,d)
(d,t)
(d,He-3)
(d,α)
(d,2p)
(d,p) α
(d,p) d
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267

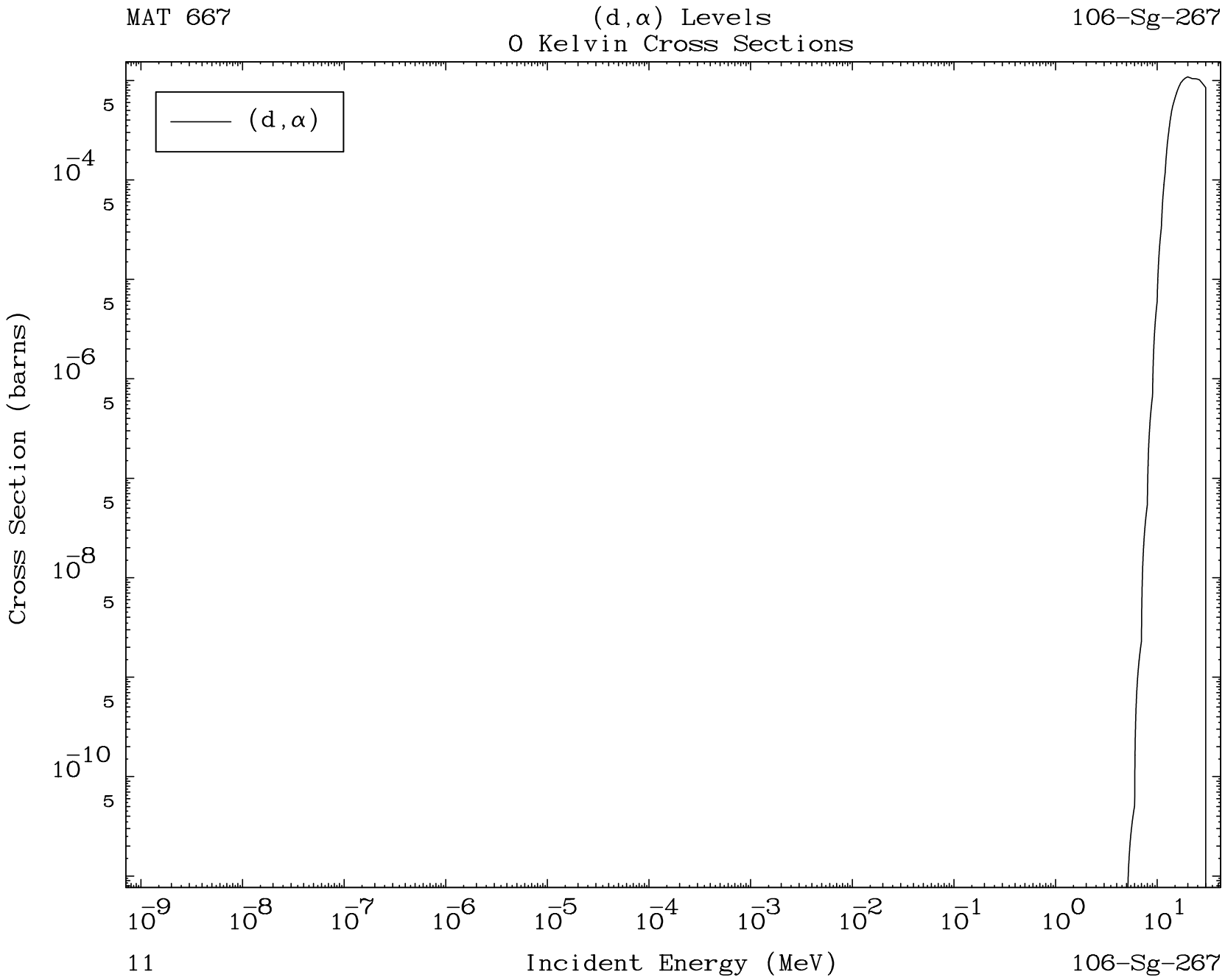

MAT 667
(d,n') Level
106-Sg-267
0 Kelvin Cross Sections
Deuteron Inelastic
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267

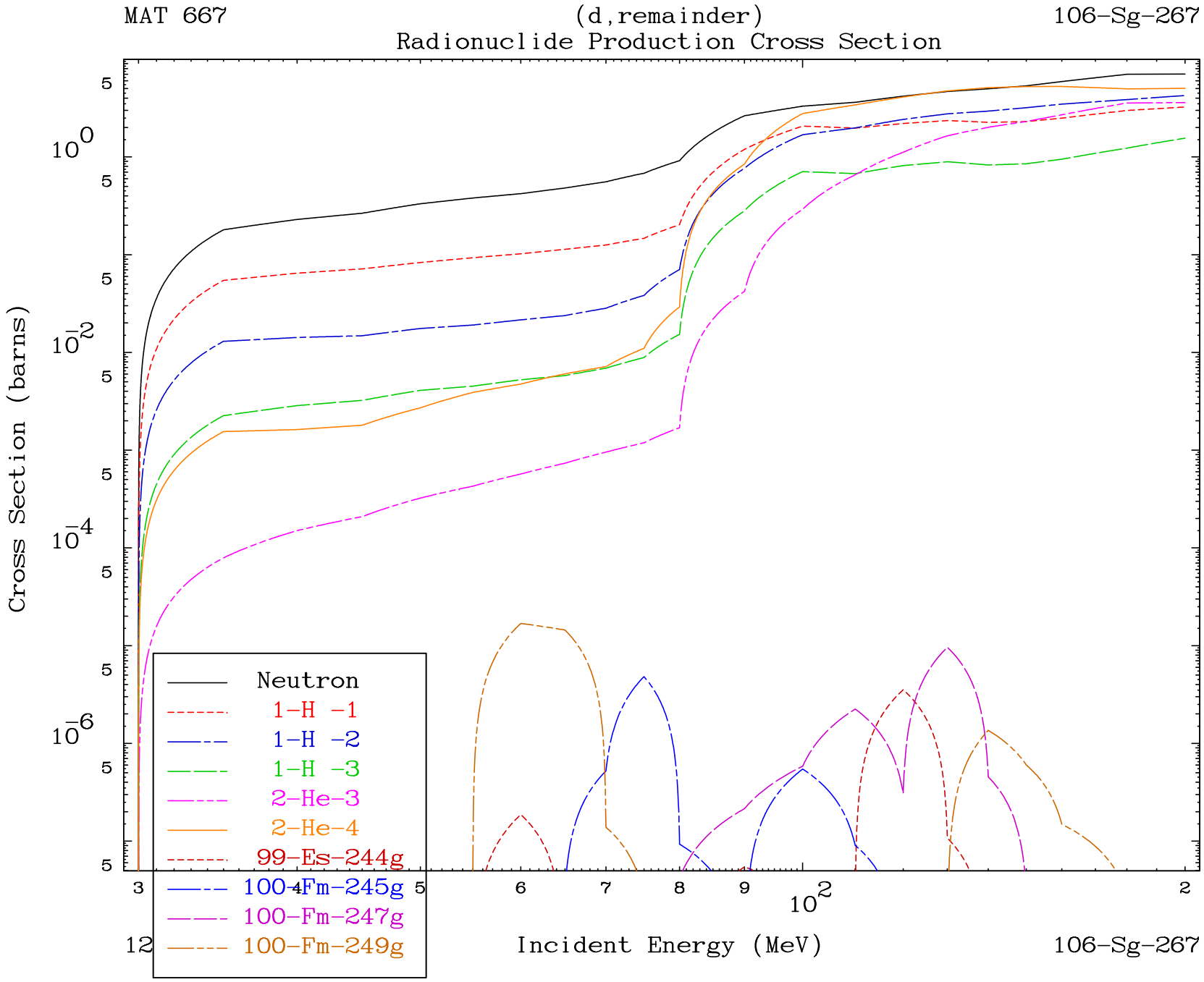

MAT 667
(d,p) Levels
106-Sg-267
0 Kelvin Cross Sections
(d,p)
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
7

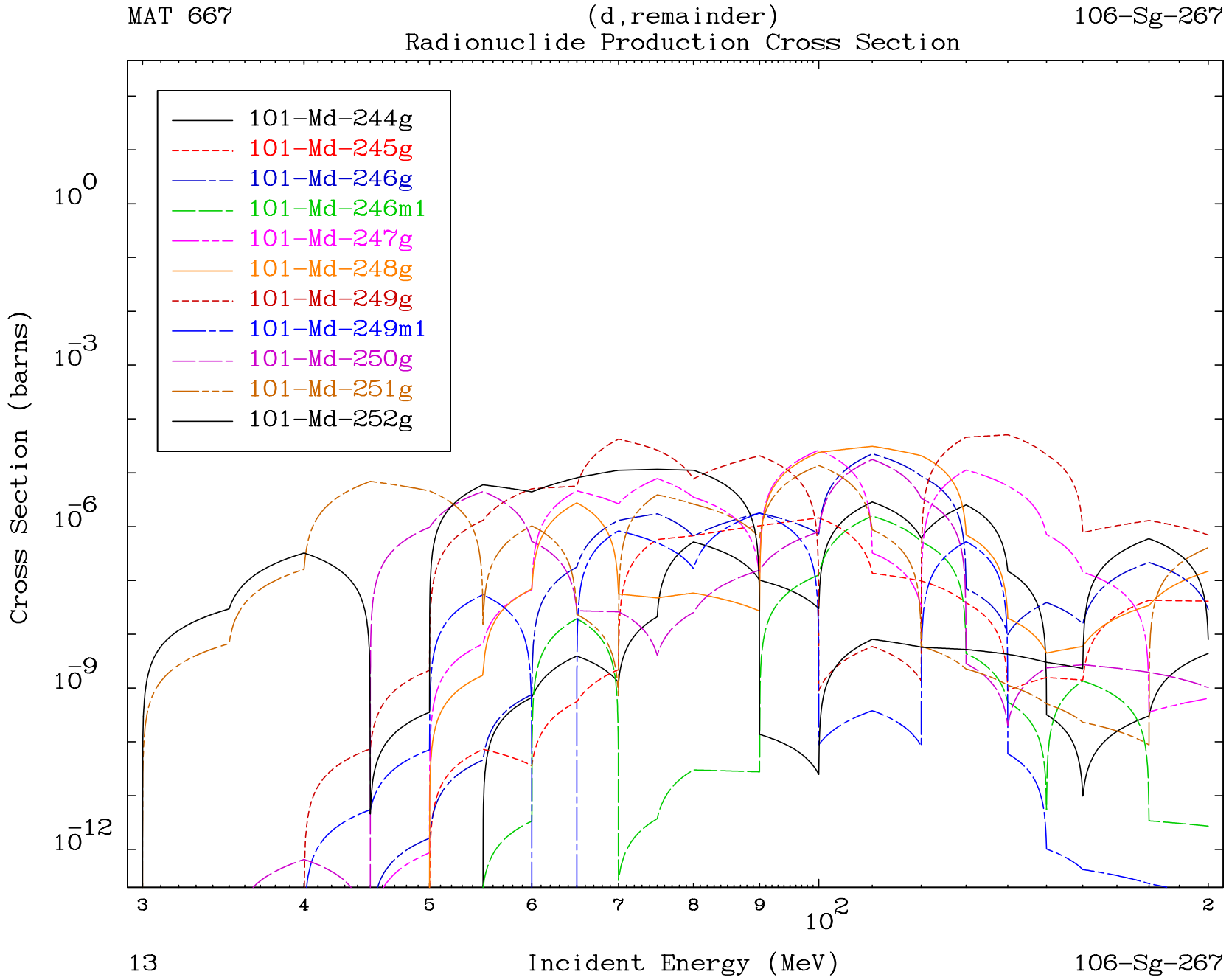

MAT 667
(d,d) Levels
106-Sg-267
0 Kelvin Cross Sections
(d,d)
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
8

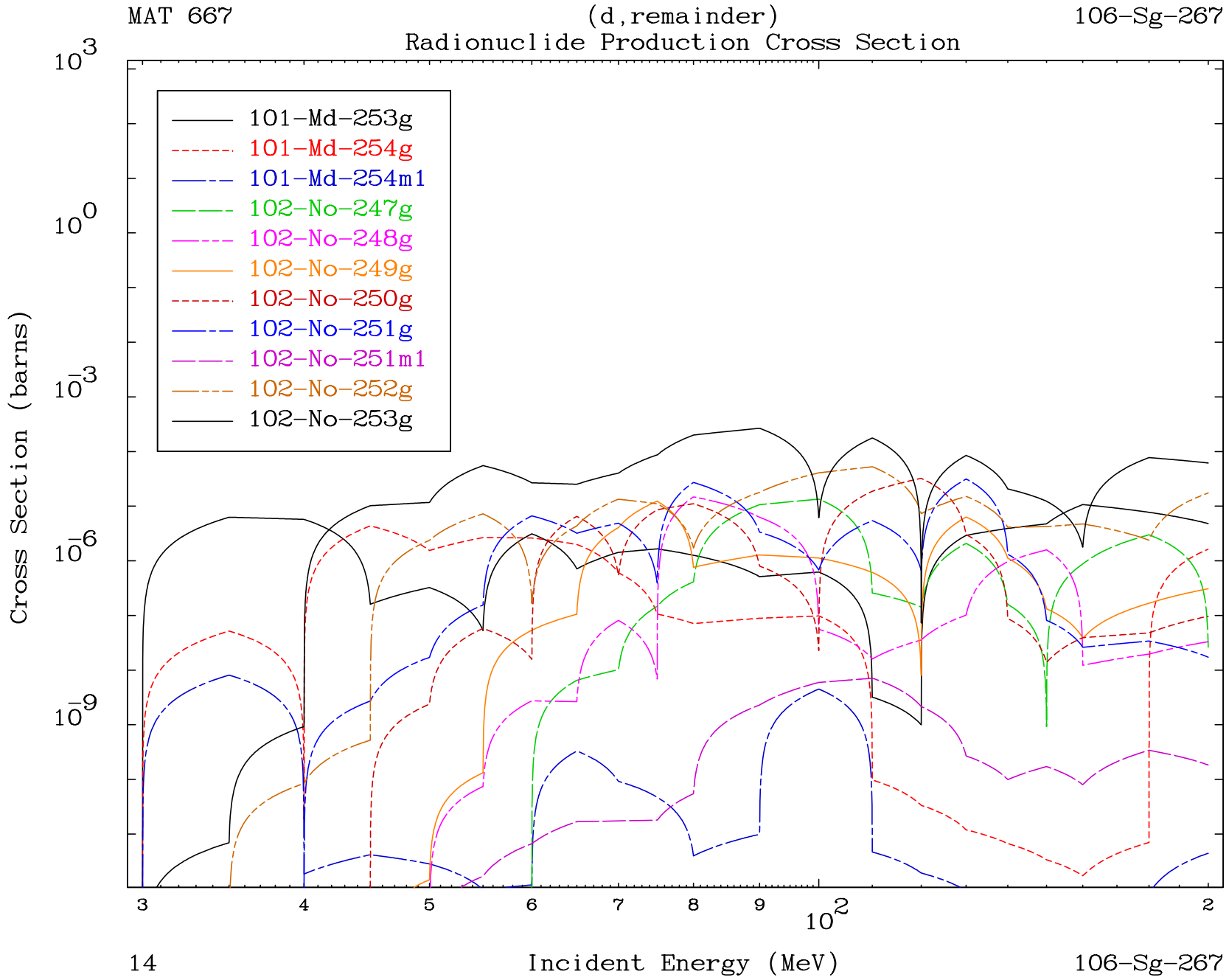

MAT 667
(d,t) Levels
106-Sg-267
0 Kelvin Cross Sections
(d,t)
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
9

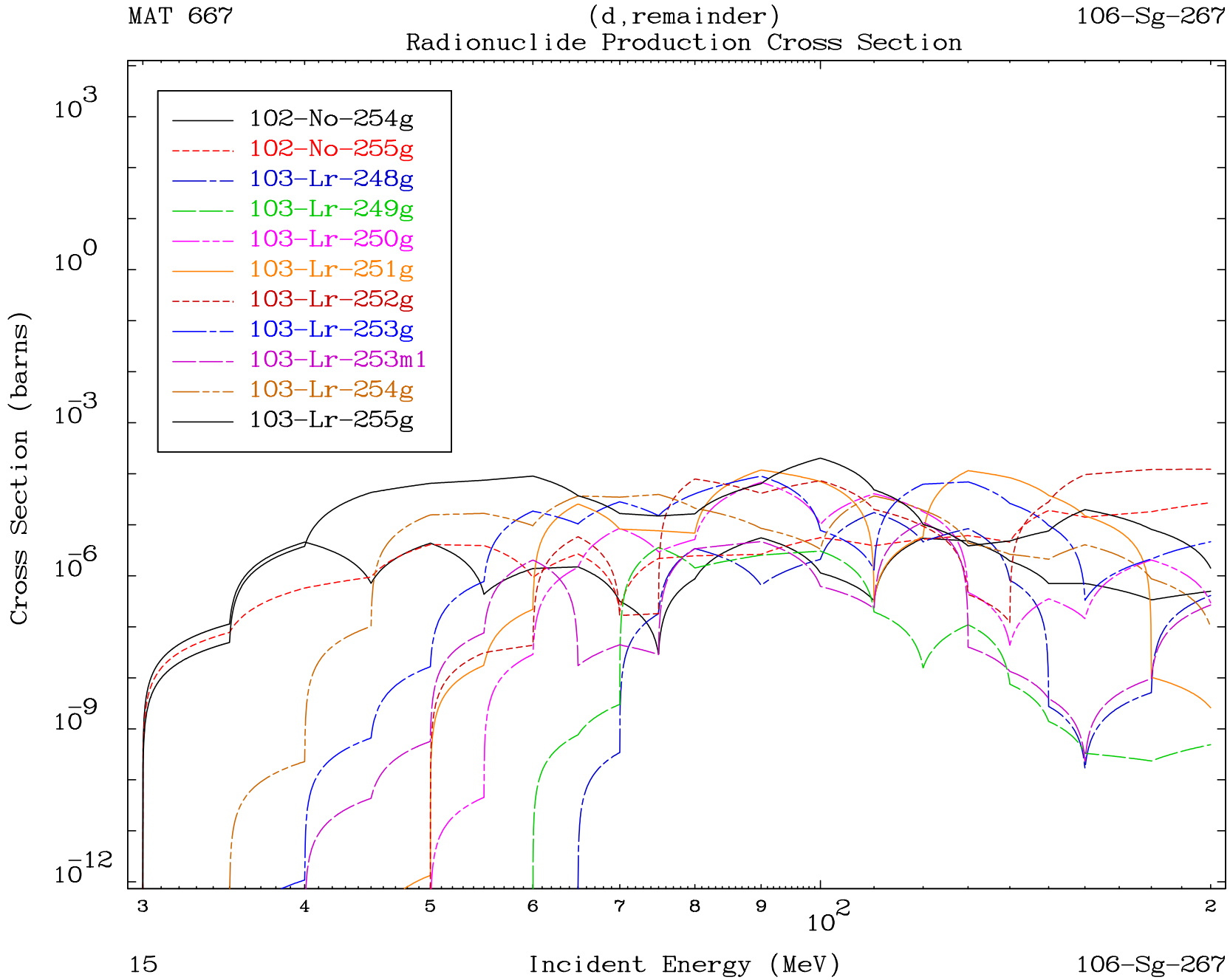

MAT 667
(d,He3) Levels
106-Sg-267
0 Kelvin Cross Sections
(d,He-3)
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267

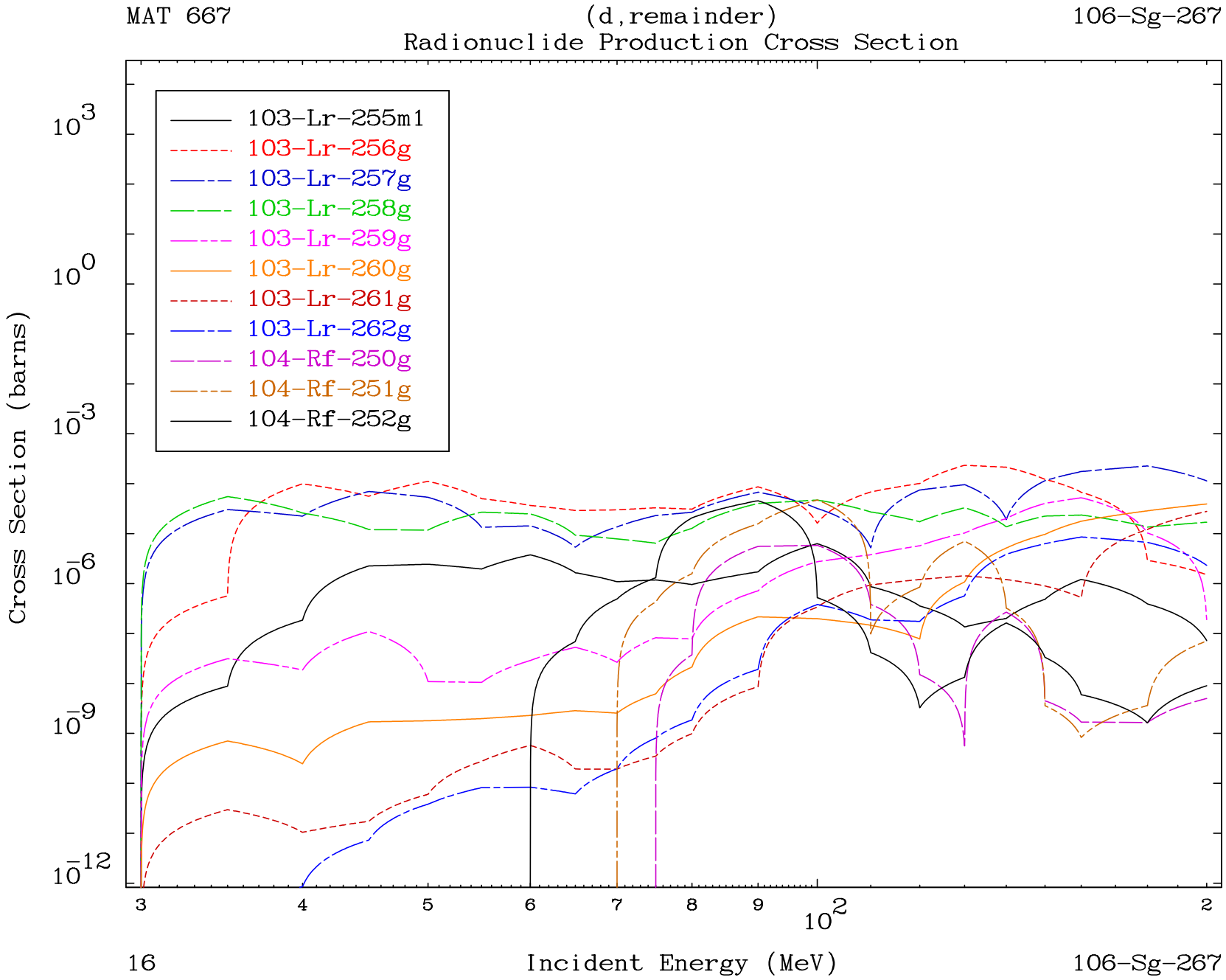

MAT 667
(d,α) Levels
106-Sg-267
0 Kelvin Cross Sections
(d,α)
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
11

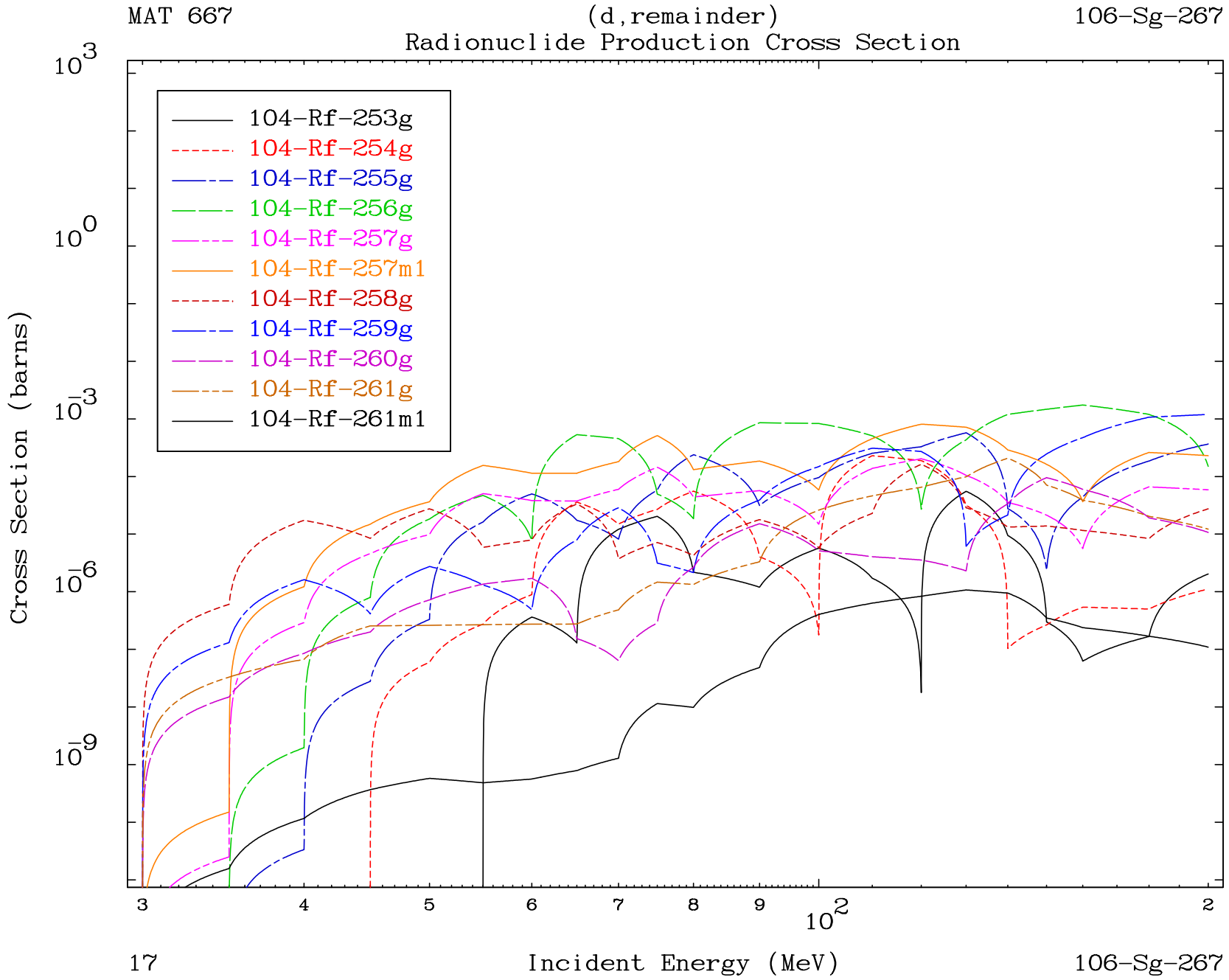

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
106-Sg-267
Neutron
1-H -1
1-H -2
1-H -3
2-He-3
2-He-4
99-Es-244g
100-Fm-245g
100-Fm-247g
100-Fm-249g

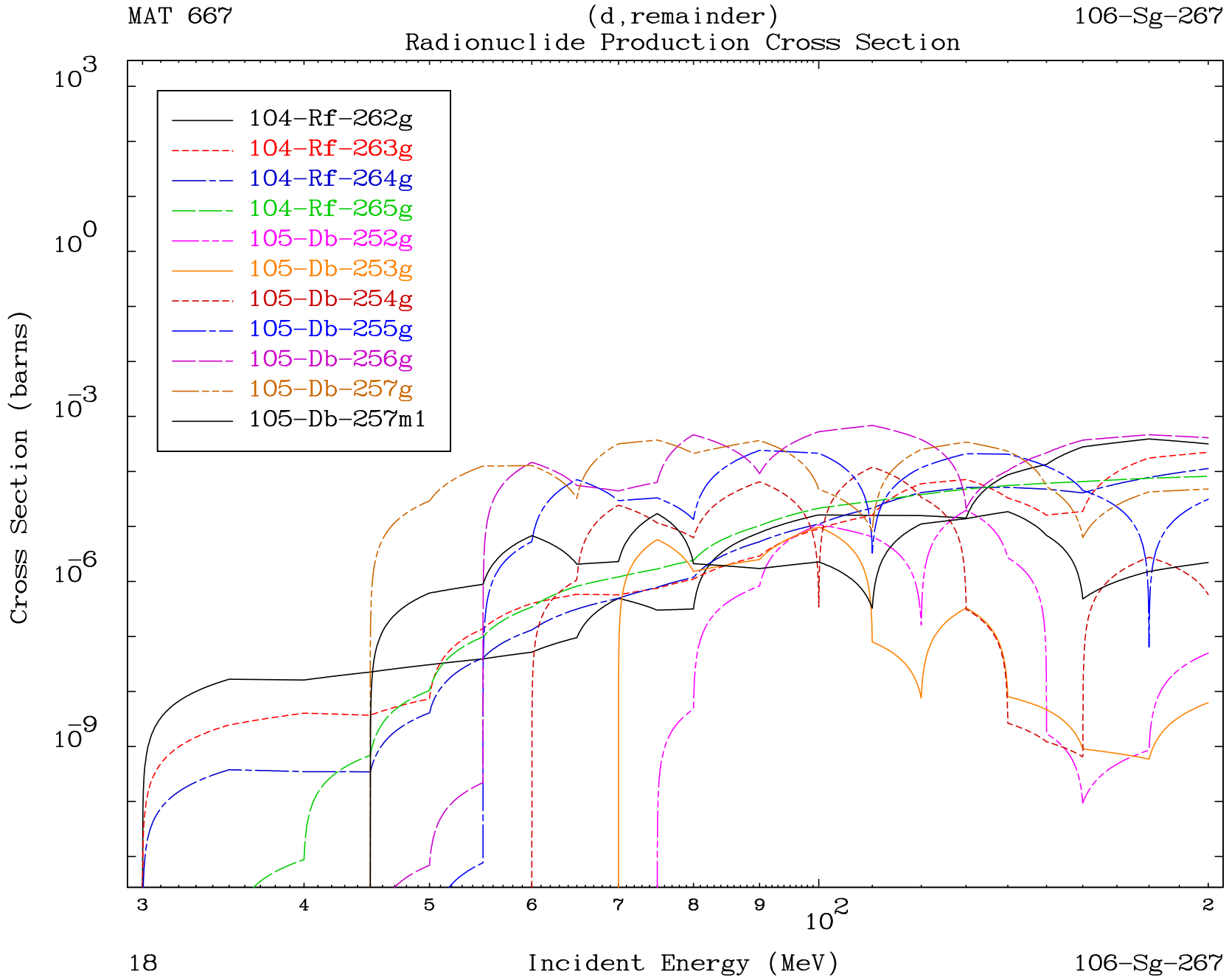

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
101-Md-244g
101-Md-245g
101-Md-246g
101-Md-246m1
101-Md-247g
101-Md-248g
101-Md-249g
101-Md-249m1
101-Md-250g
101-Md-251g
101-Md-252g
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
3
4
5
6
7
8
9
10^2
2
13
Incident Energy (MeV)
106-Sg-267

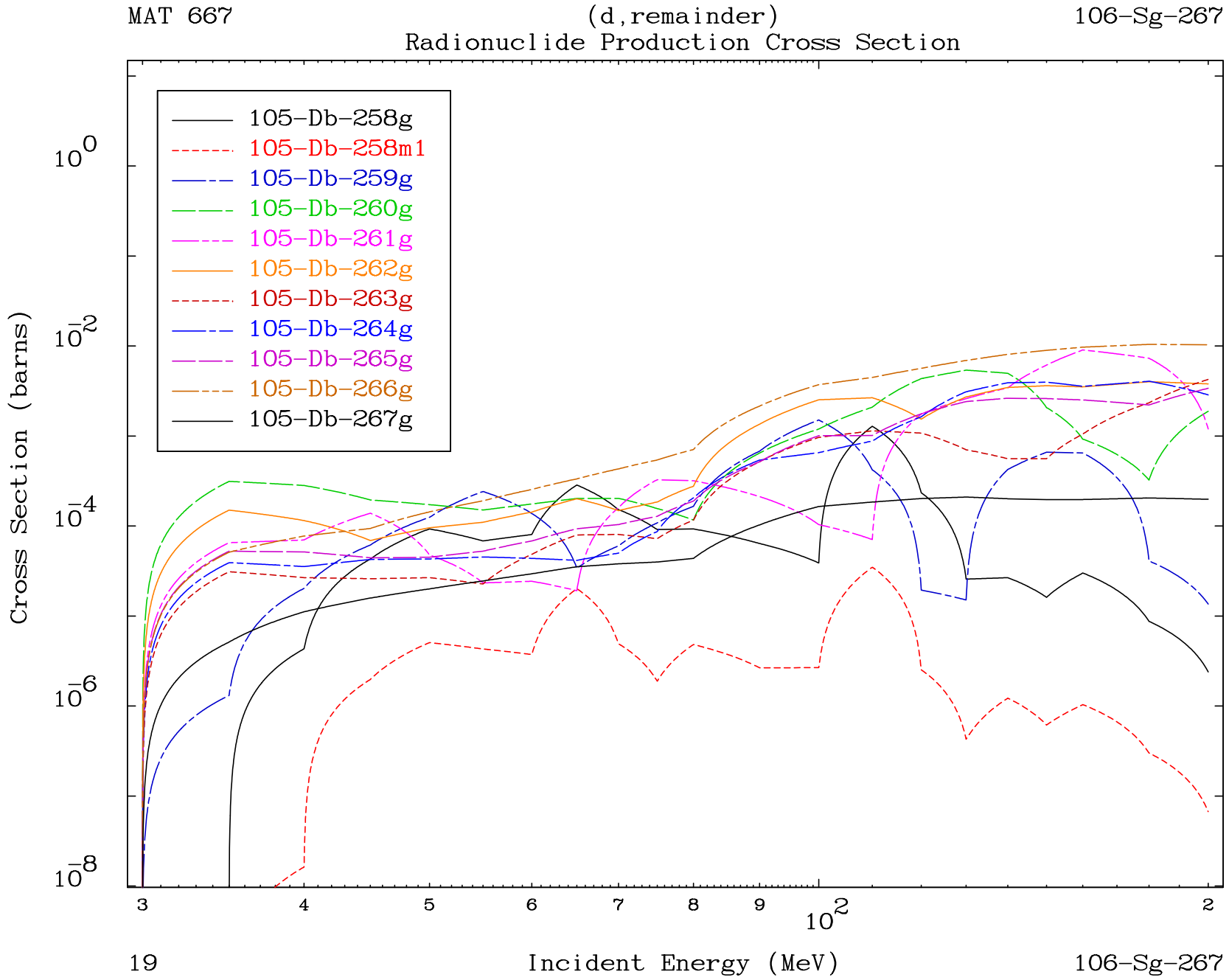

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
101-Md-253g
101-Md-254g
101-Md-254m1
102-No-247g
102-No-248g
102-No-249g
102-No-250g
102-No-251g
102-No-251m1
102-No-252g
102-No-253g
Cross Section (barns)
Incident Energy (MeV)
14
106-Sg-267

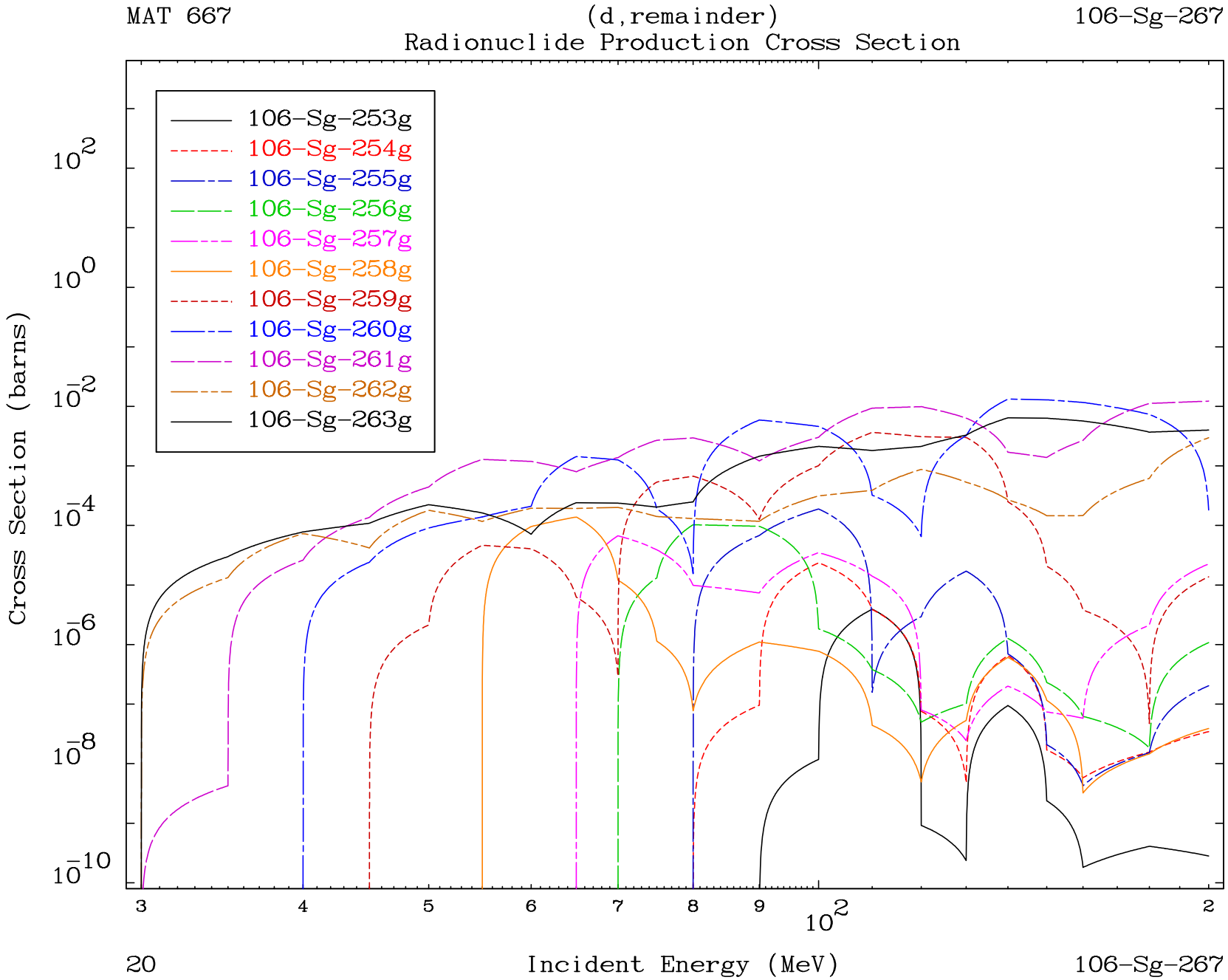

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
102-No-254g
102-No-255g
103-Lr-248g
103-Lr-249g
103-Lr-250g
103-Lr-251g
103-Lr-252g
103-Lr-253g
103-Lr-253m1
103-Lr-254g
103-Lr-255g
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
10^-12
3
4
5
6
7
8
9
10^2
2
15
Incident Energy (MeV)
106-Sg-267

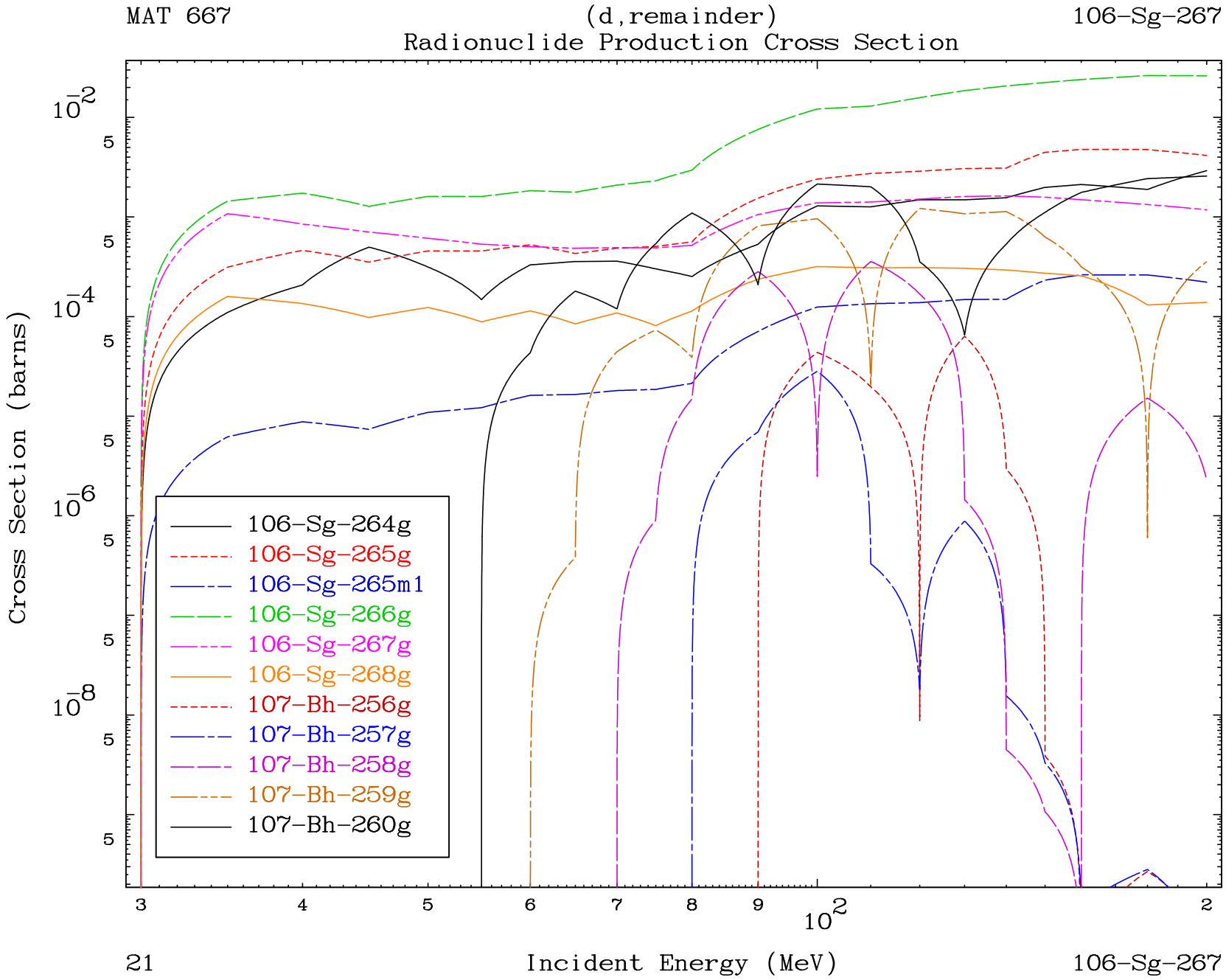

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
103-Lr-255m1
103-Lr-256g
103-Lr-257g
103-Lr-258g
103-Lr-259g
103-Lr-260g
103-Lr-261g
103-Lr-262g
104-Rf-250g
104-Rf-251g
104-Rf-252g
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
10^-12
3
4
5
6
7
8
9
10^2
2
16
Incident Energy (MeV)
106-Sg-267

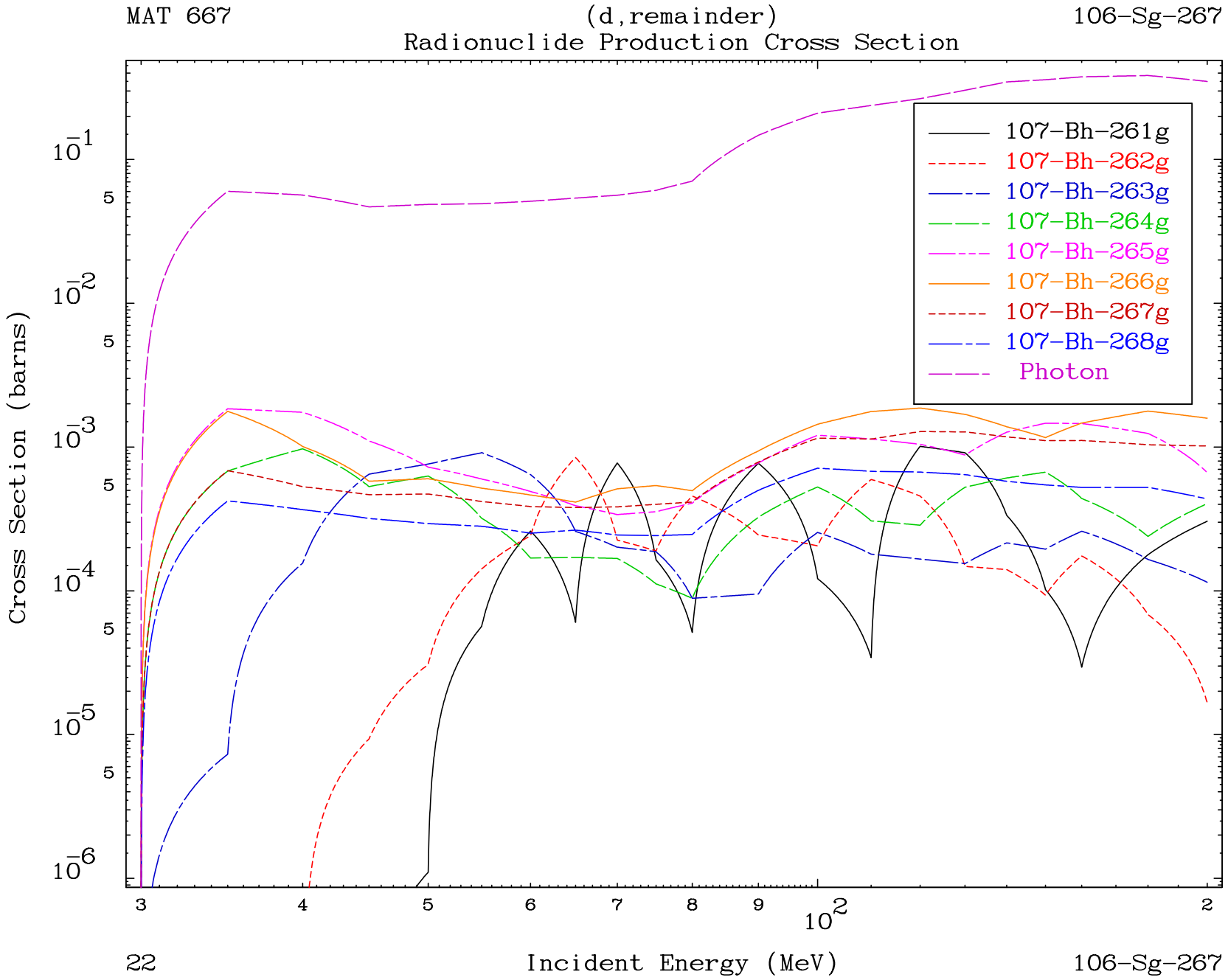

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
104-Rf-253g
104-Rf-254g
104-Rf-255g
104-Rf-256g
104-Rf-257g
104-Rf-257m1
104-Rf-258g
104-Rf-259g
104-Rf-260g
104-Rf-261g
104-Rf-261m1
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
106-Sg-267

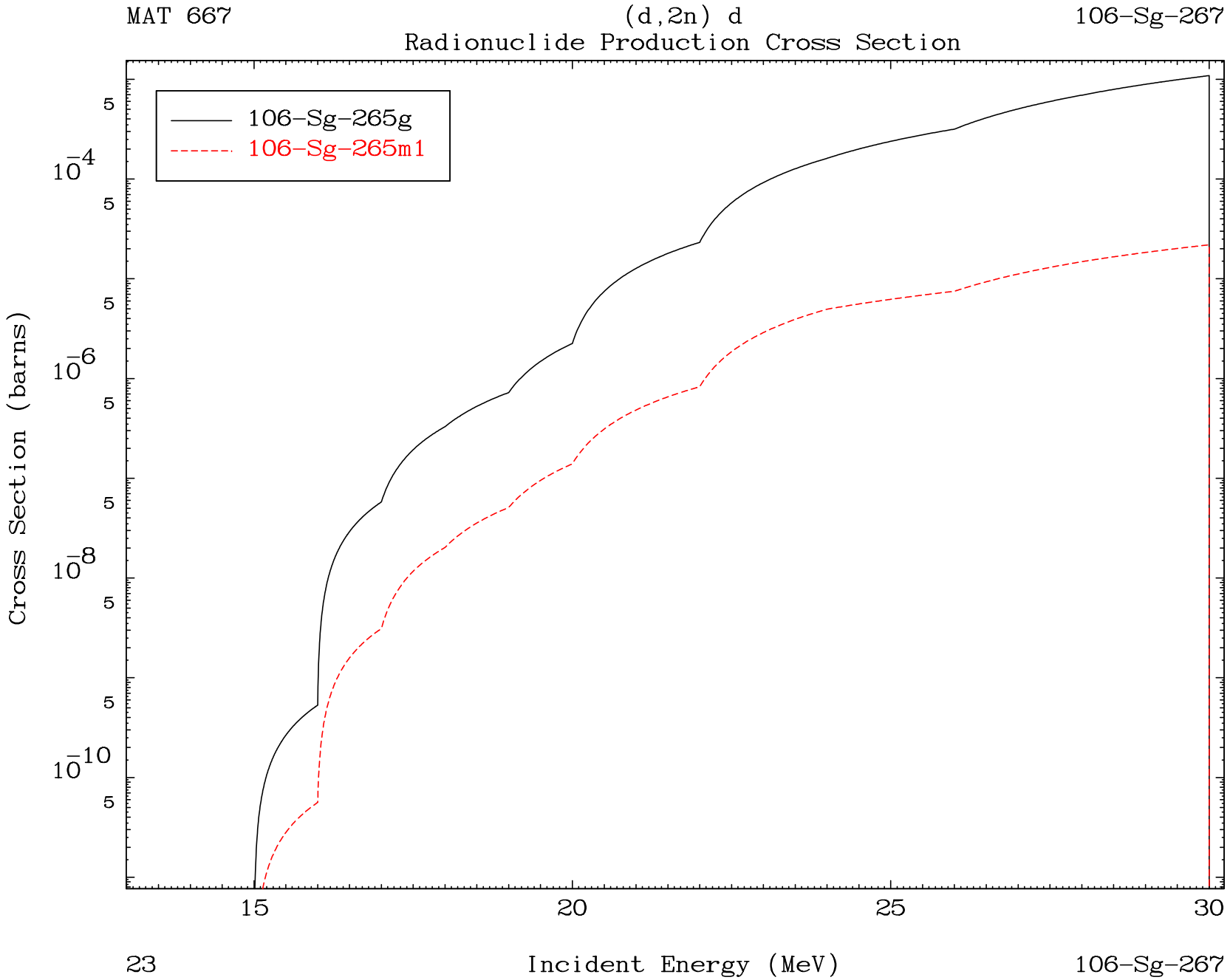

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
104-Rf-262g
104-Rf-263g
104-Rf-264g
104-Rf-265g
105-Db-252g
105-Db-253g
105-Db-254g
105-Db-255g
105-Db-256g
105-Db-257g
105-Db-257m1
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
3
4
5
6
7
8
9
10^2
2
18
Incident Energy (MeV)
106-Sg-267

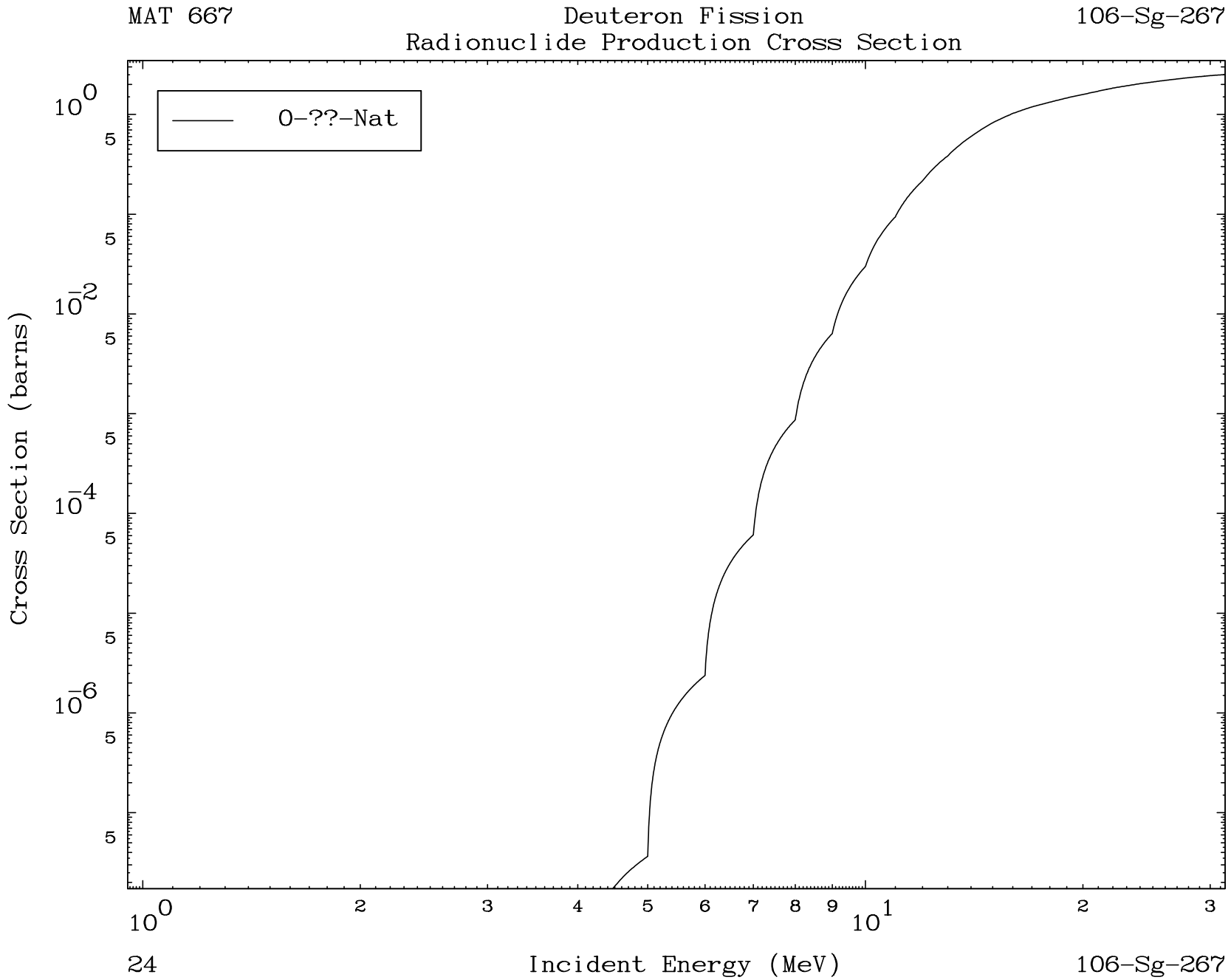

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
105-Db-258g
105-Db-258m1
105-Db-259g
105-Db-260g
105-Db-261g
105-Db-262g
105-Db-263g
105-Db-264g
105-Db-265g
105-Db-266g
105-Db-267g
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
10^-8
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
106-Sg-267

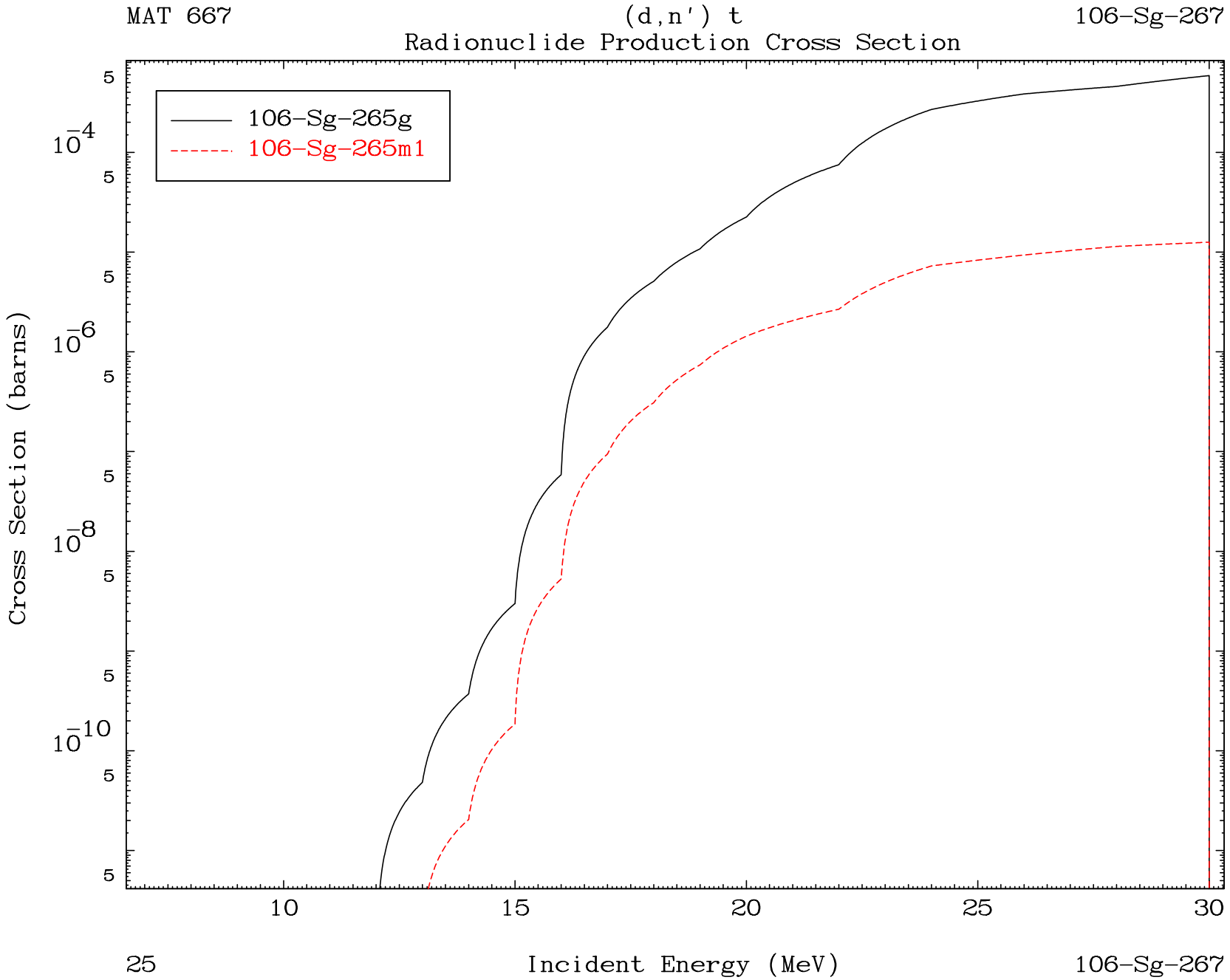

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
106-Sg-253g
106-Sg-254g
106-Sg-255g
106-Sg-256g
106-Sg-257g
106-Sg-258g
106-Sg-259g
106-Sg-260g
106-Sg-261g
106-Sg-262g
106-Sg-263g
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
106-Sg-267

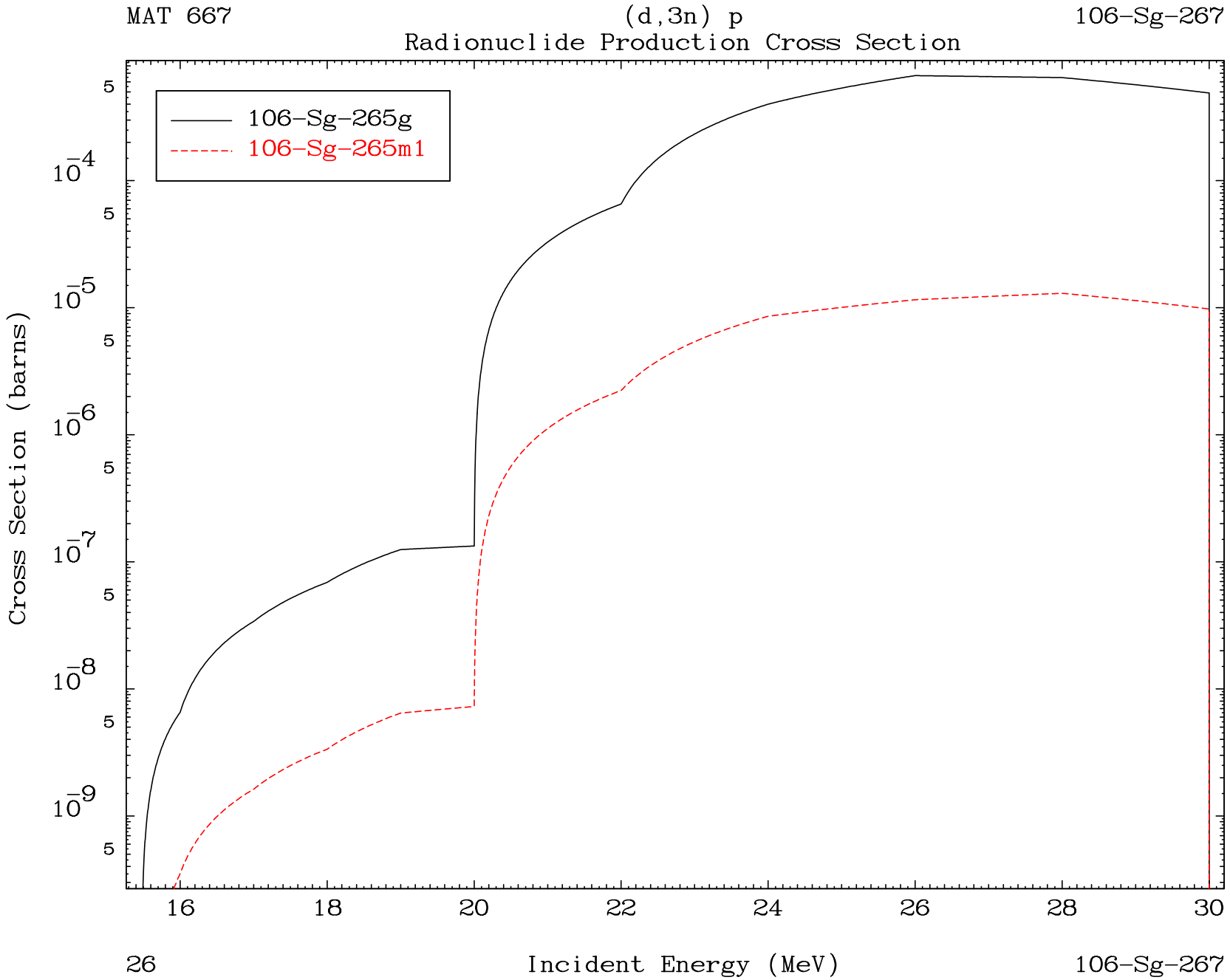

MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
Cross Section (barns)
10-2
10-4
10-6
10-8
106-Sg-264g
106-Sg-265g
106-Sg-265m1
106-Sg-266g
106-Sg-267g
106-Sg-268g
107-Bh-256g
107-Bh-257g
107-Bh-258g
107-Bh-259g
107-Bh-260g
3
4
5
6
7
8
9
10 2
2
21
Incident Energy (MeV)
106-Sg-267


MAT 667
(d,remainder)
106-Sg-267
Radionuclide Production Cross Section
107-Bh-261g
107-Bh-262g
107-Bh-263g
107-Bh-264g
107-Bh-265g
107-Bh-266g
107-Bh-267g
107-Bh-268g
Photon
Cross Section (barns)
Incident Energy (MeV)
22
106-Sg-267


MAT 667
(d,2n) d
106-Sg-267
Radionuclide Production Cross Section
106-Sg-265g
106-Sg-265m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
15
20
25
30
23
Incident Energy (MeV)
106-Sg-267


MAT 667
Deuteron Fission
106-Sg-267
Radionuclide Production Cross Section
0-??-Nat
Cross Section (barns)
Incident Energy (MeV)
24
106-Sg-267


MAT 667
(d,n') t
106-Sg-267
Radionuclide Production Cross Section
106-Sg-265g
106-Sg-265m1
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10
15
20
25
30
25
Incident Energy (MeV)
106-Sg-267


MAT 667
(d,3n) p
106-Sg-267
Radionuclide Production Cross Section
106-Sg-265g
106-Sg-265m1
Cross Section (barns)
10-4
10-5
10-6
10-7
10-8
10-9
5
16
18
20
22
24
26
28
30
26
Incident Energy (MeV)
106-Sg-267