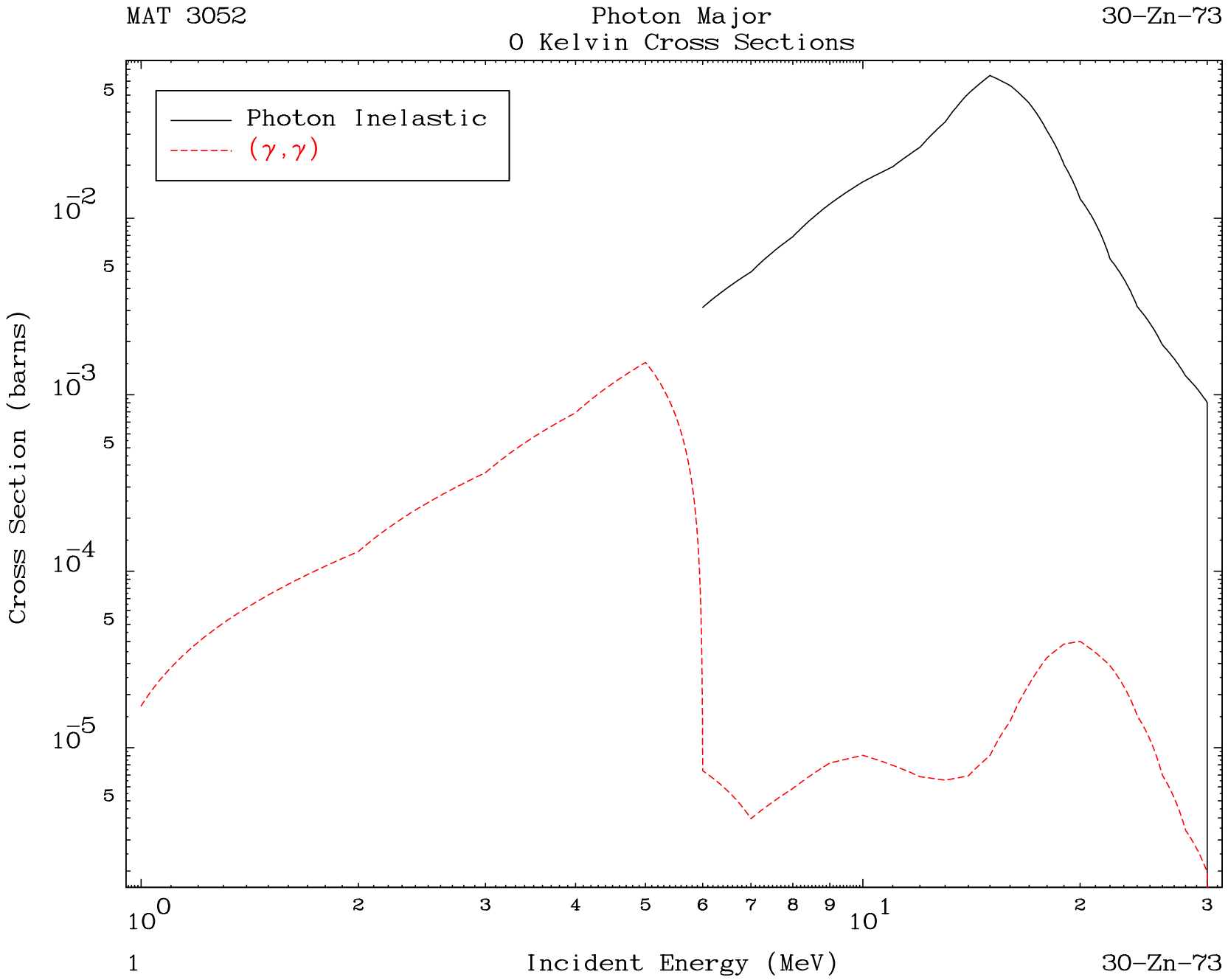
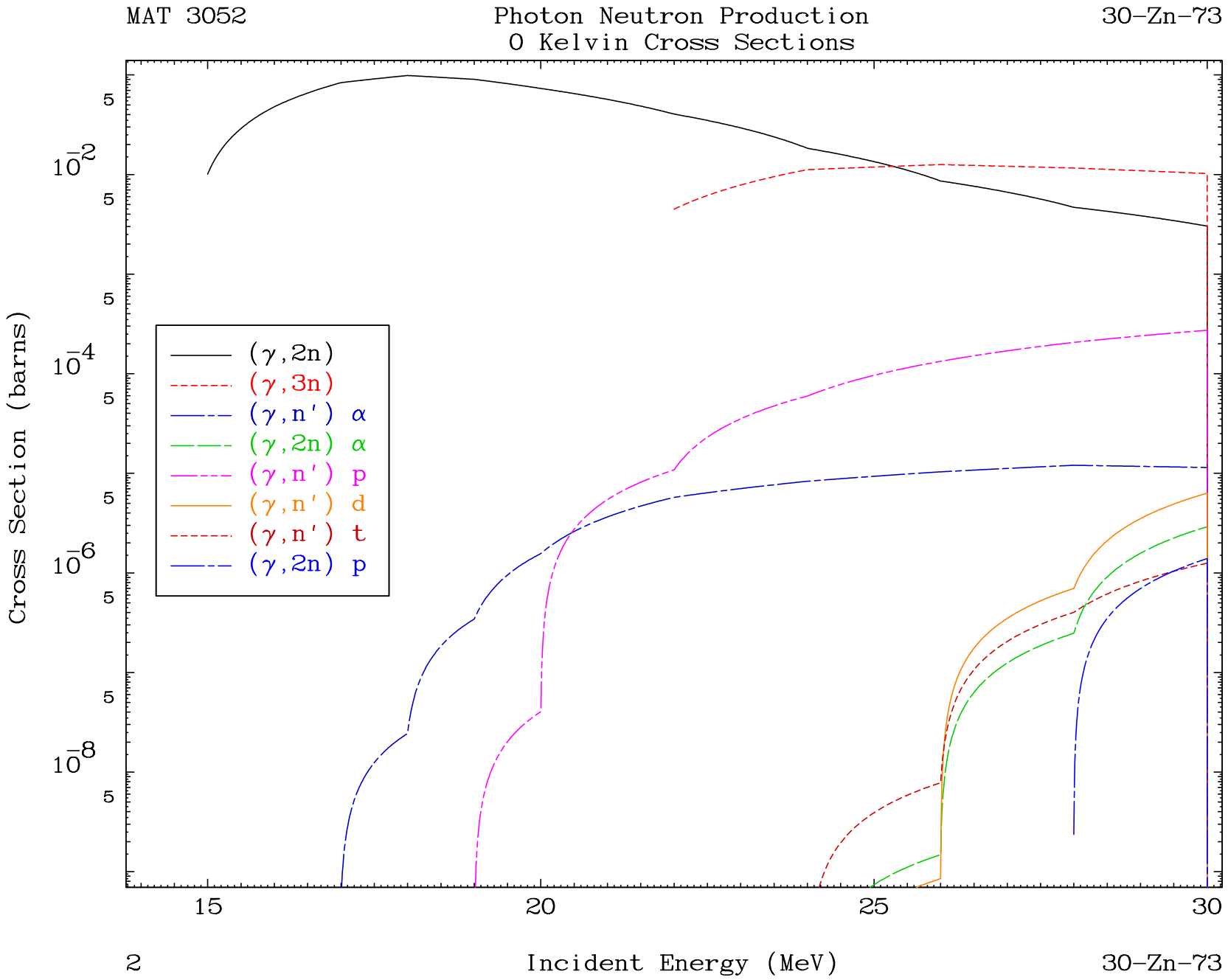
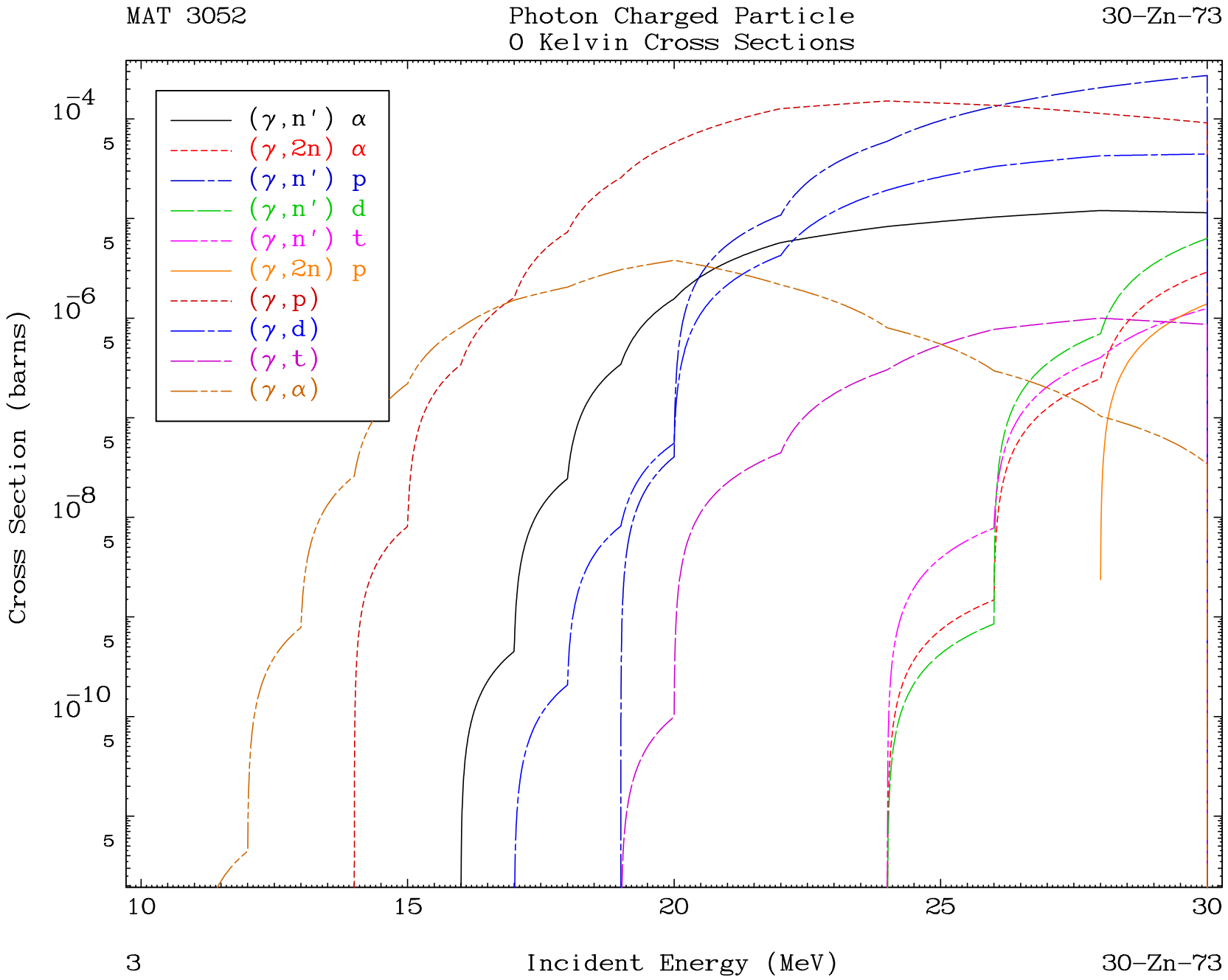
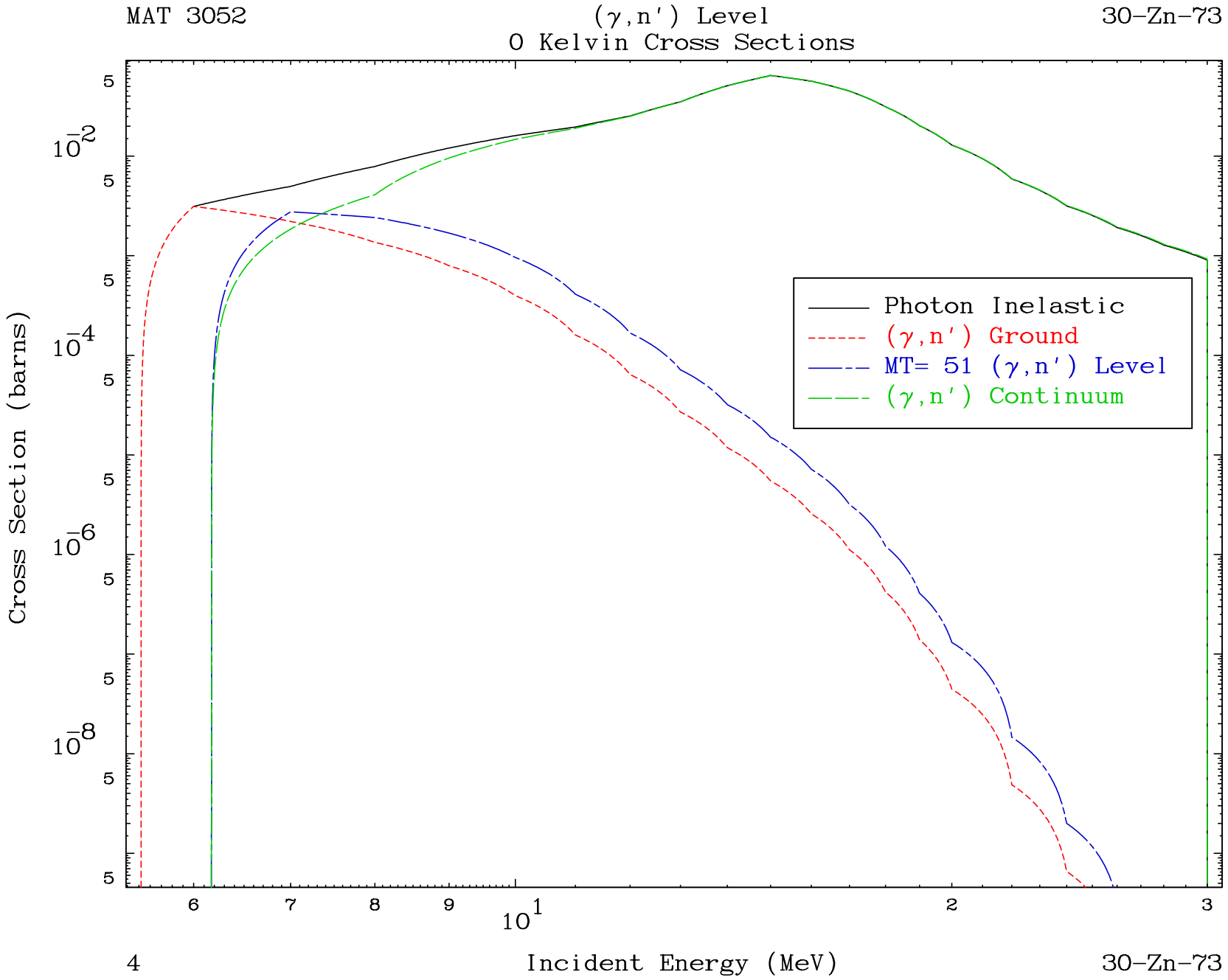
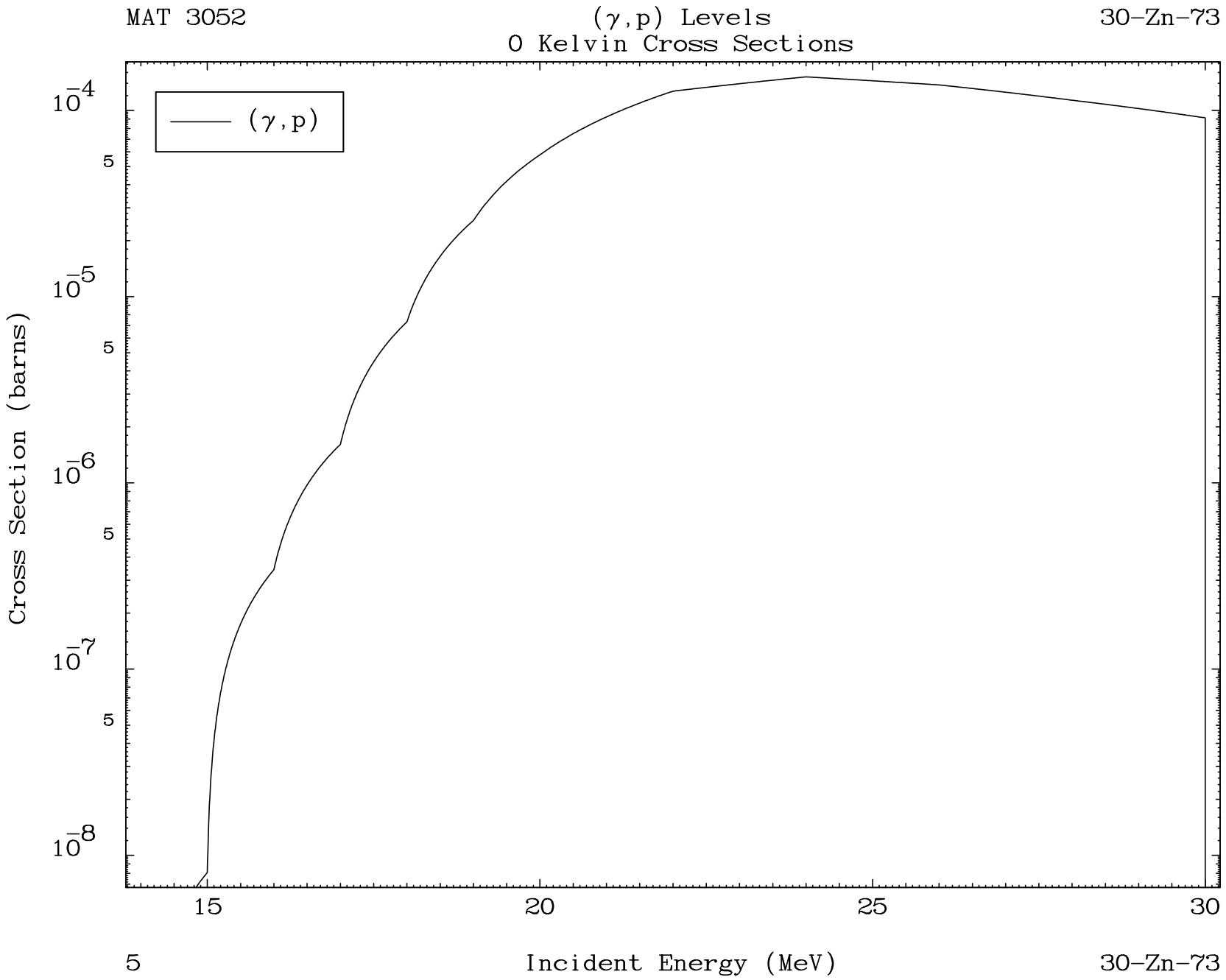
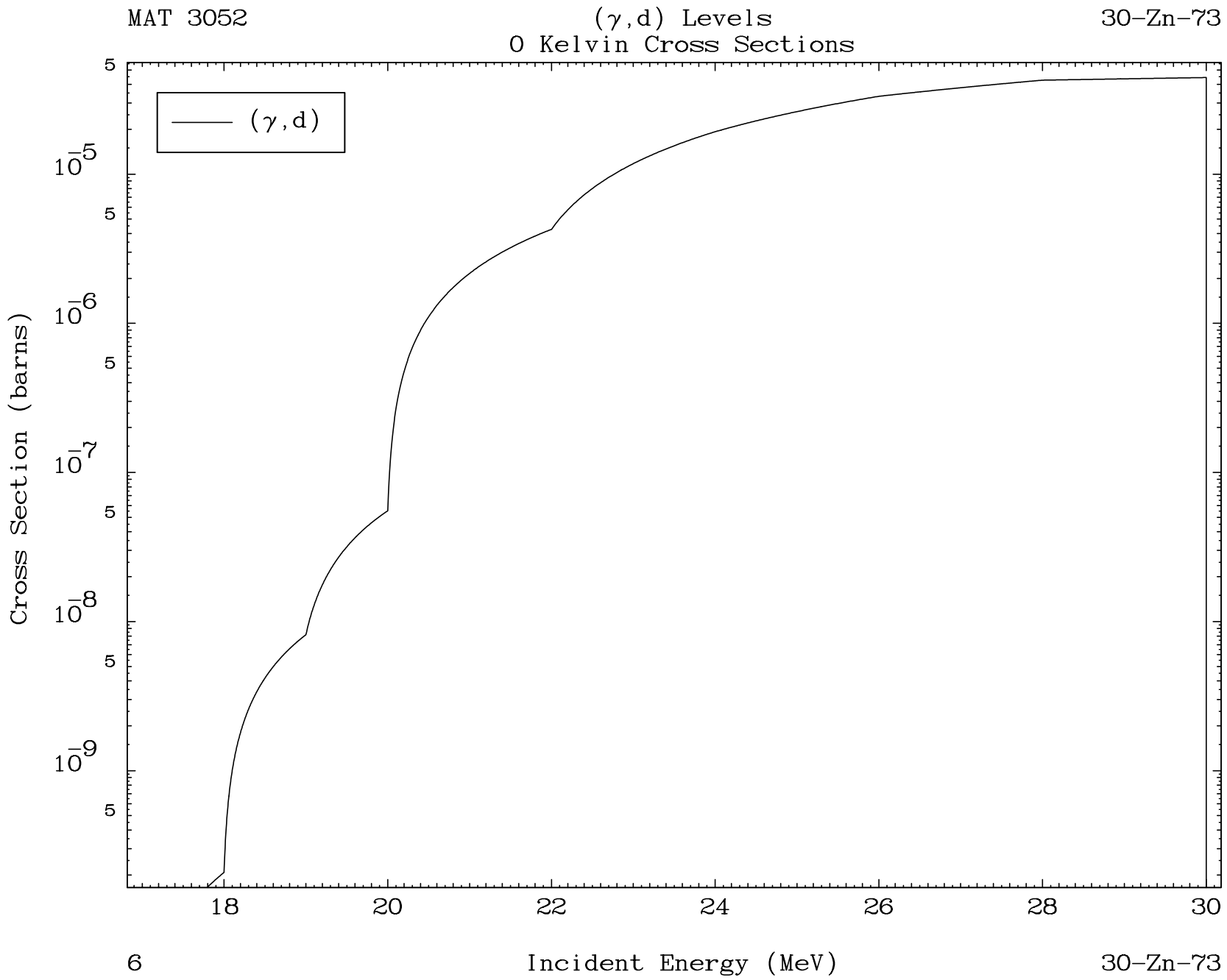

MAT 3052
Photon Major
30-Zn-73
0 Kelvin Cross Sections
Photon Inelastic
(γ,γ)
Cross Section (barns)
10-2
10-3
10-4
10-5
100
101
Incident Energy (MeV)
30-Zn-73

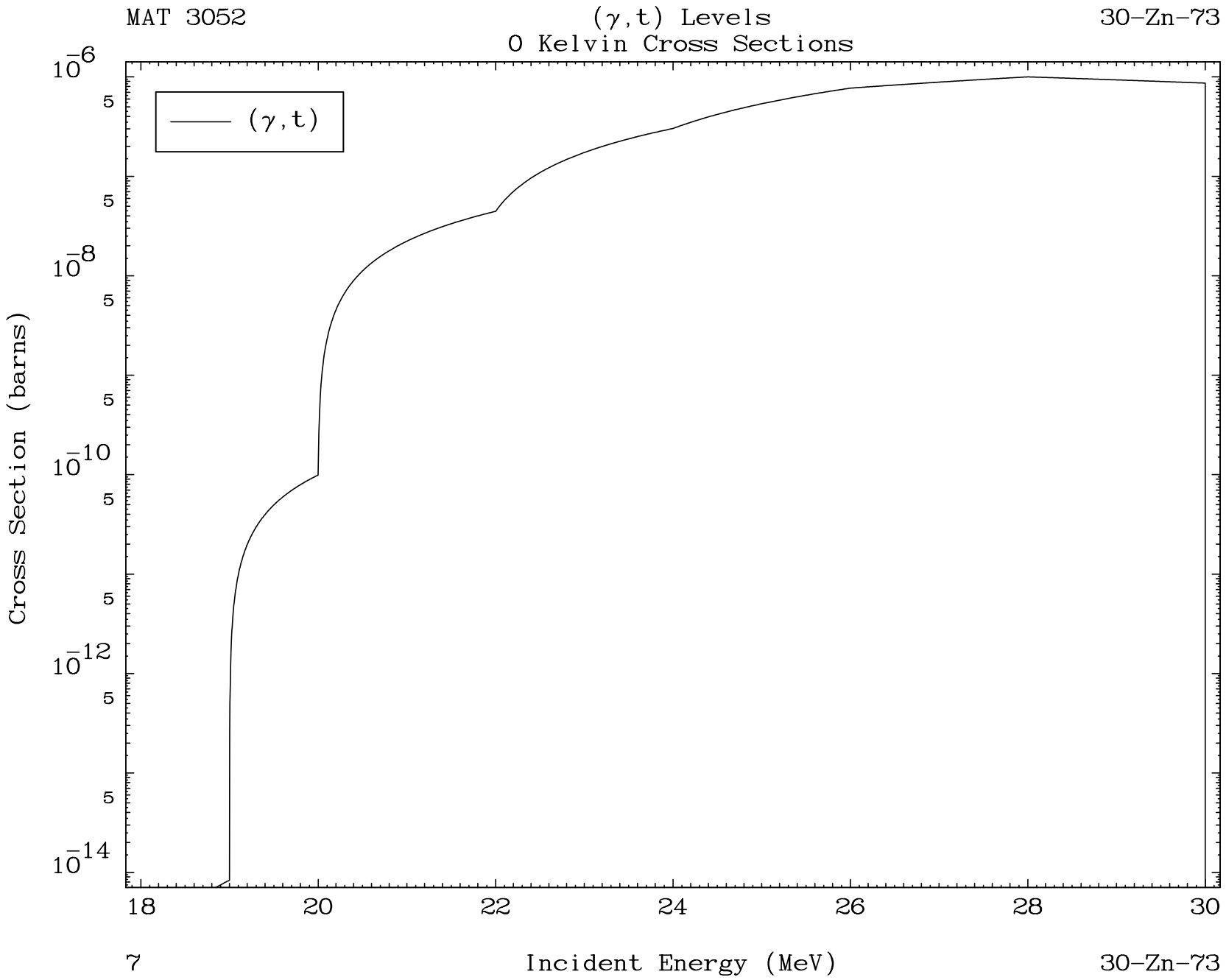

MAT 3052
Photon Neutron Production
0 Kelvin Cross Sections
30-Zn-73
Cross Section (barns)
10-2
10-4
10-6
10-8
5
(γ,2n)
(γ,3n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
15
20
25
30
2
Incident Energy (MeV)
30-Zn-73

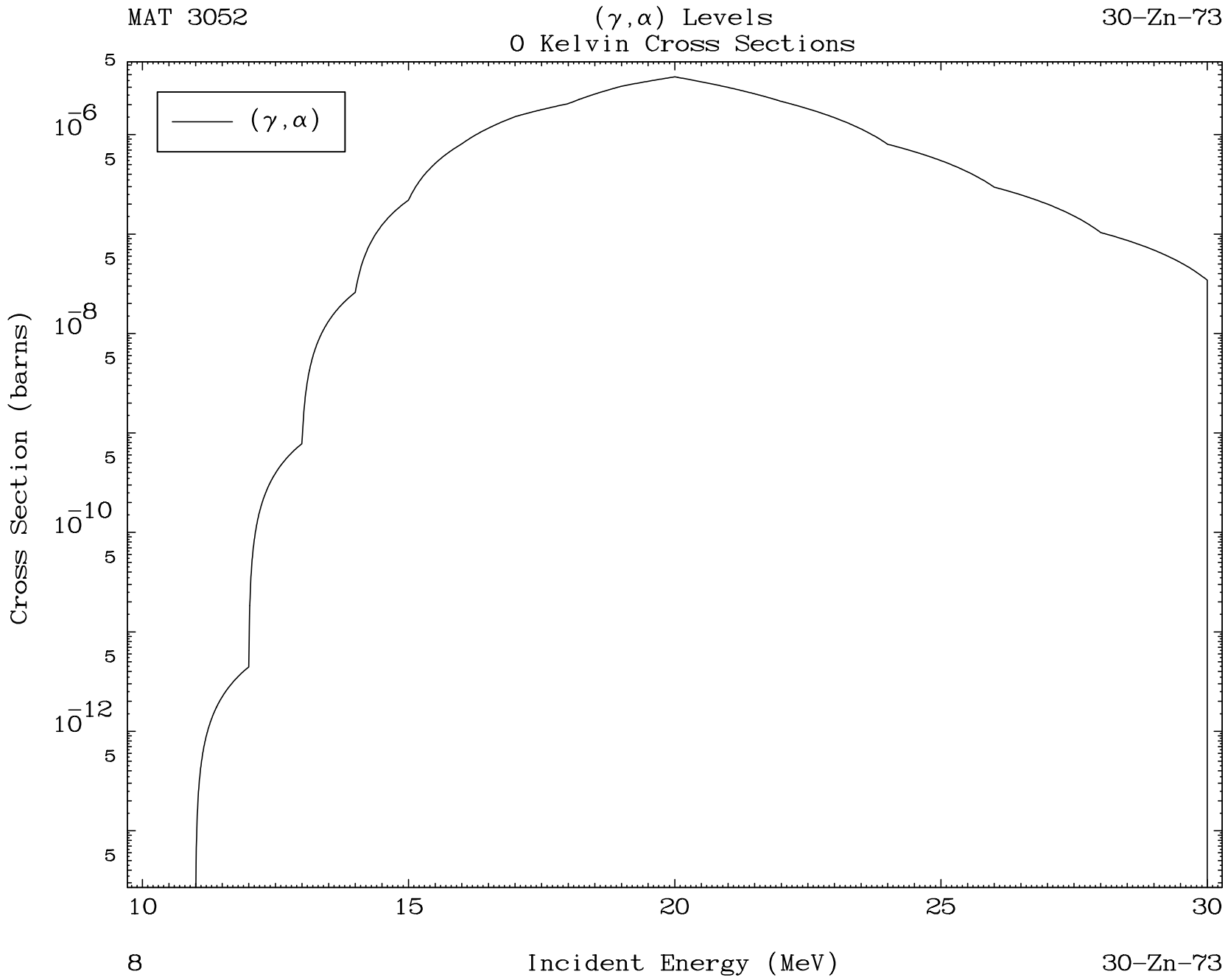

MAT 3052
Photon Charged Particle
0 Kelvin Cross Sections
30-Zn-73
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') d
(γ,n') t
(γ,2n) p
(γ,p)
(γ,d)
(γ,t)
(γ,α)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10
15
20
25
30
Incident Energy (MeV)
3
30-Zn-73

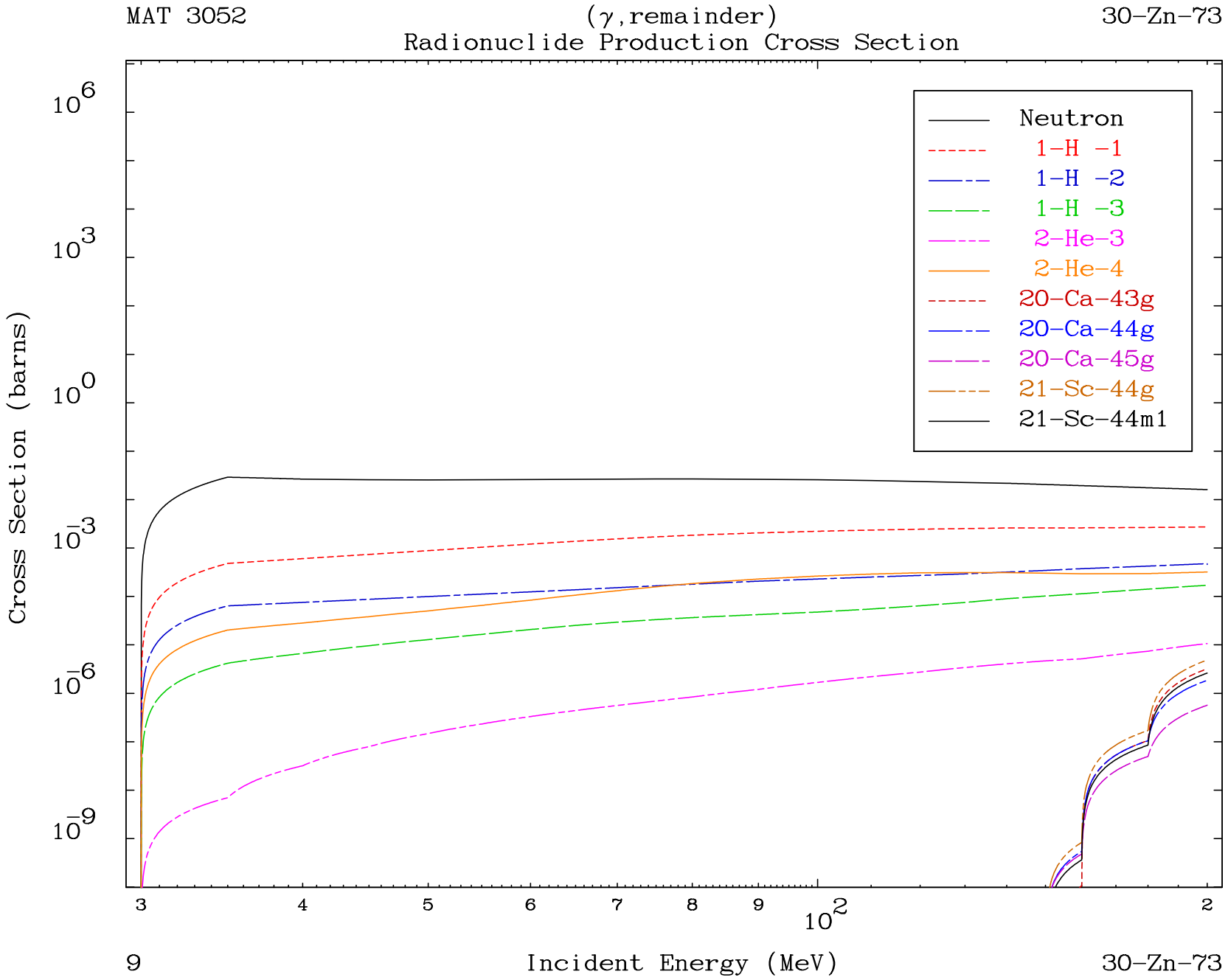

MAT 3052
(γ,n') Level
30-Zn-73
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
6
7
8
9
10 1
2
3
4
Incident Energy (MeV)
30-Zn-73

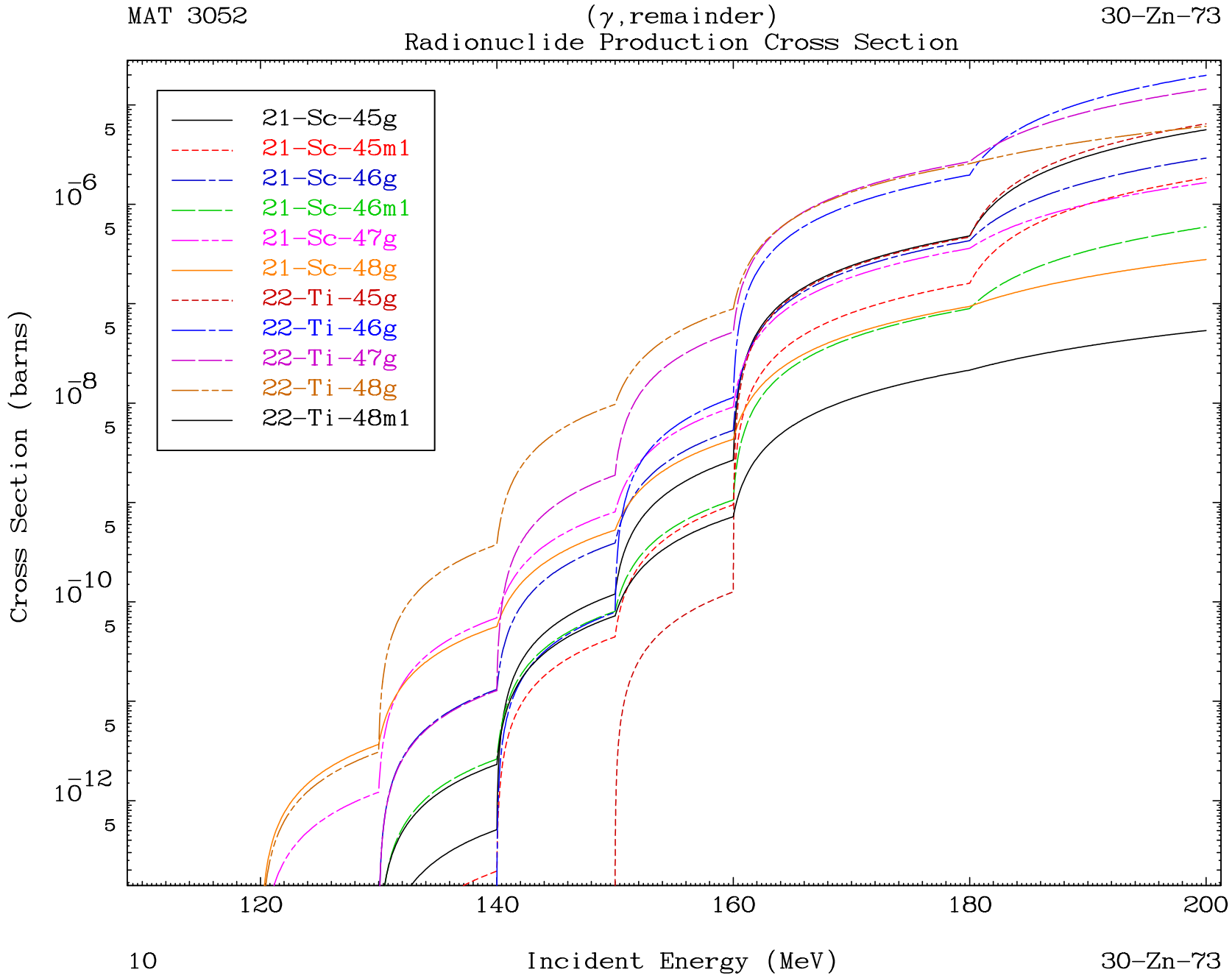

MAT 3052
(γ,p) Levels
30-Zn-73
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10-4
5
10-5
5
10-6
5
10-7
5
10-8
15
20
25
30
5
Incident Energy (MeV)
30-Zn-73

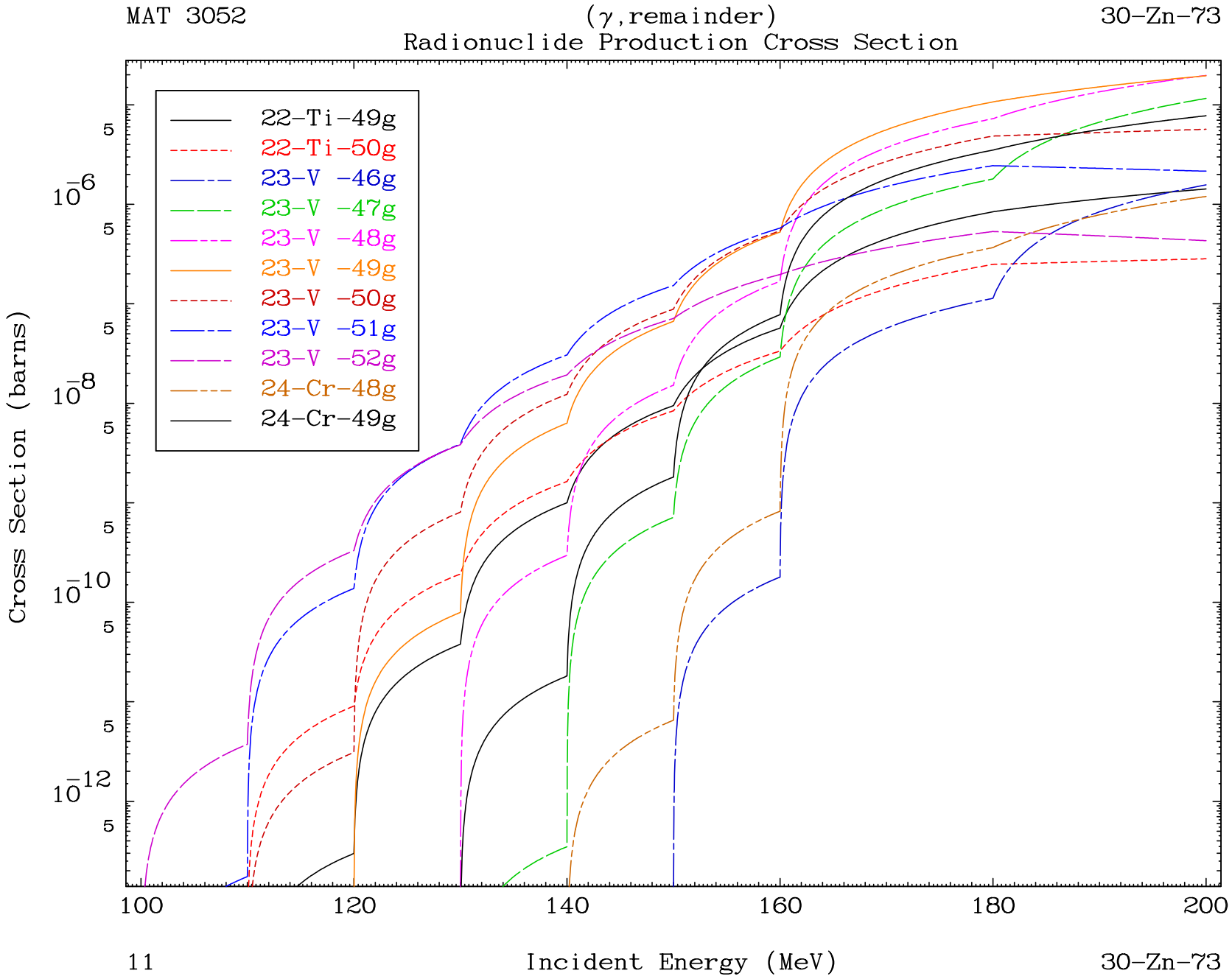

MAT 3052
(γ,d) Levels
30-Zn-73
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
18
20
22
24
26
28
30
Incident Energy (MeV)
6
30-Zn-73

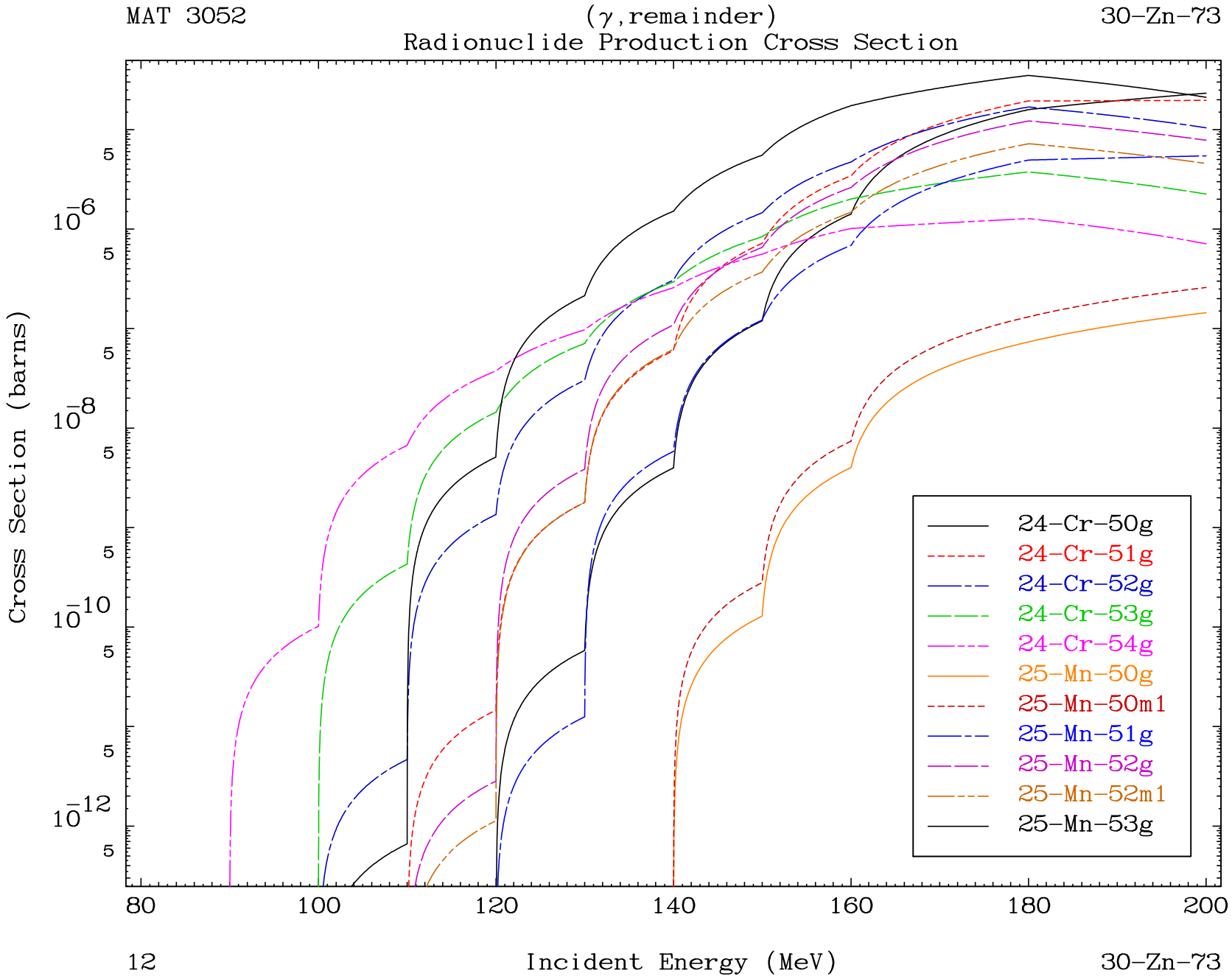

MAT 3052
(γ,t) Levels
30-Zn-73
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-6
5
10-8
5
10-10
5
10-12
5
10-14
18
20
22
24
26
28
30
Incident Energy (MeV)
7
30-Zn-73

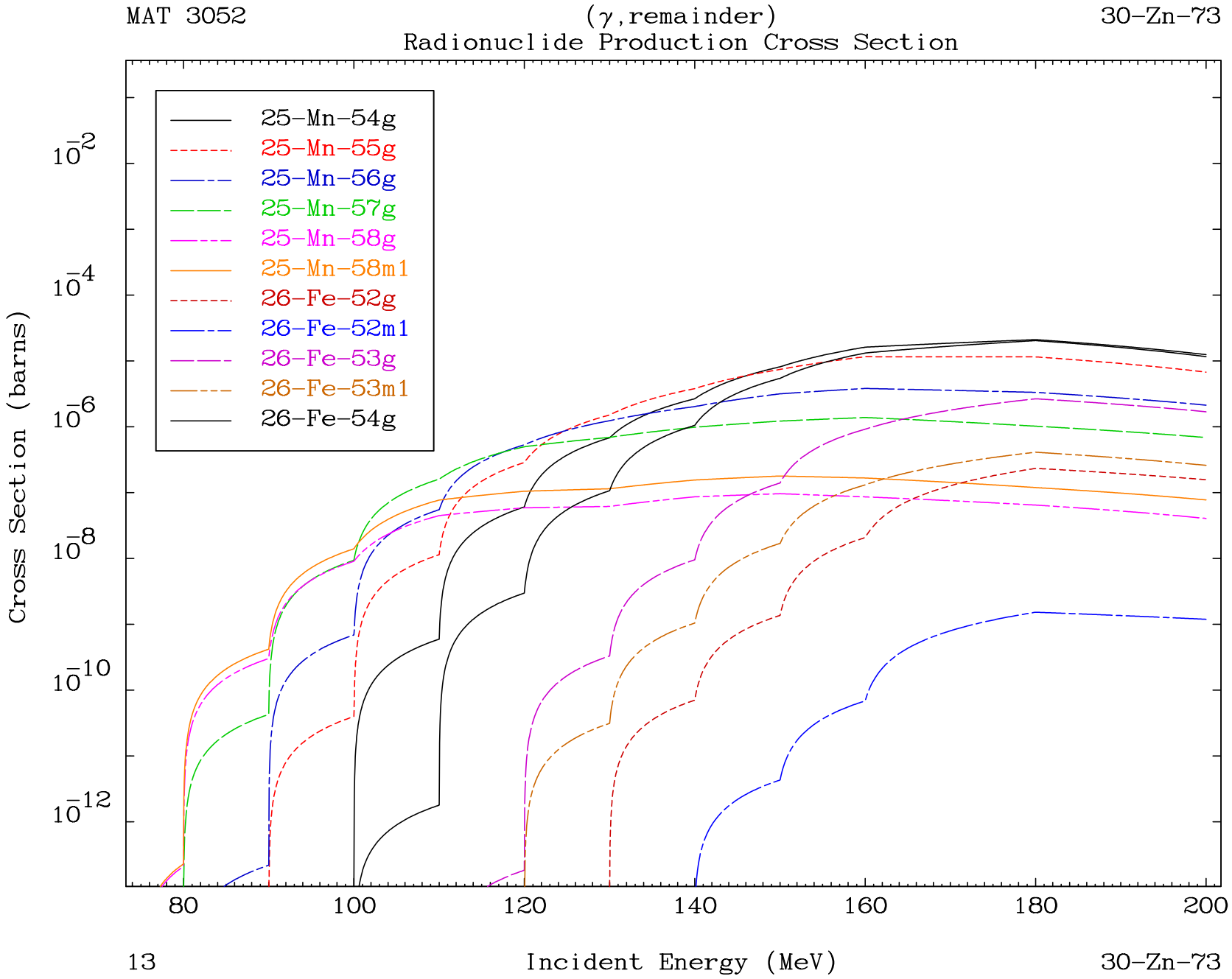

MAT 3052
(γ,α) Levels
30-Zn-73
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10
15
20
25
30
8
Incident Energy (MeV)
30-Zn-73

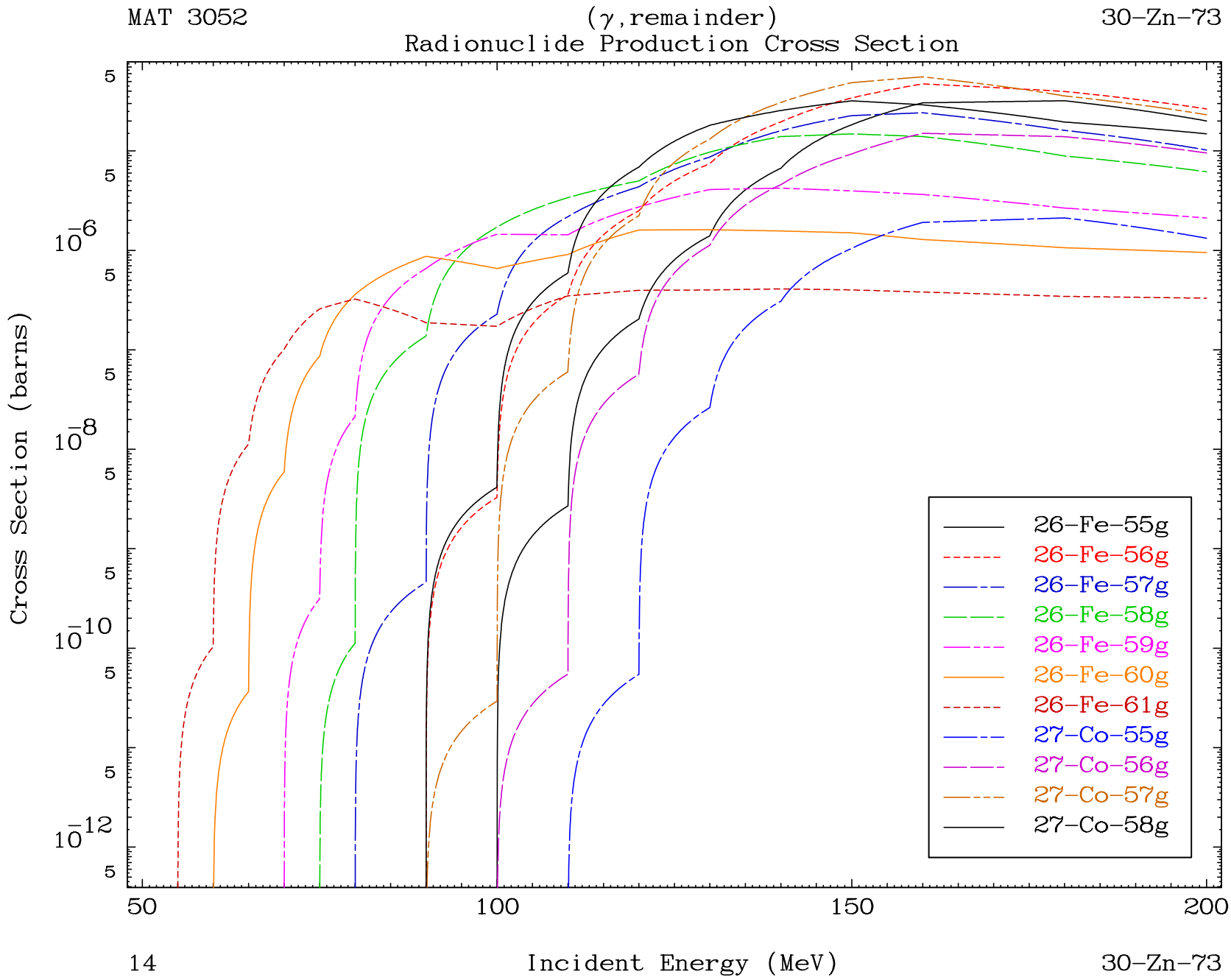

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-9
Neutron
1-H -1
1-H -2
1-H -3
2-He-3
2-He-4
20-Ca-43g
20-Ca-44g
20-Ca-45g
21-Sc-44g
21-Sc-44m1
3
4
5
6
7
8
9
10^2
2
9
Incident Energy (MeV)
30-Zn-73

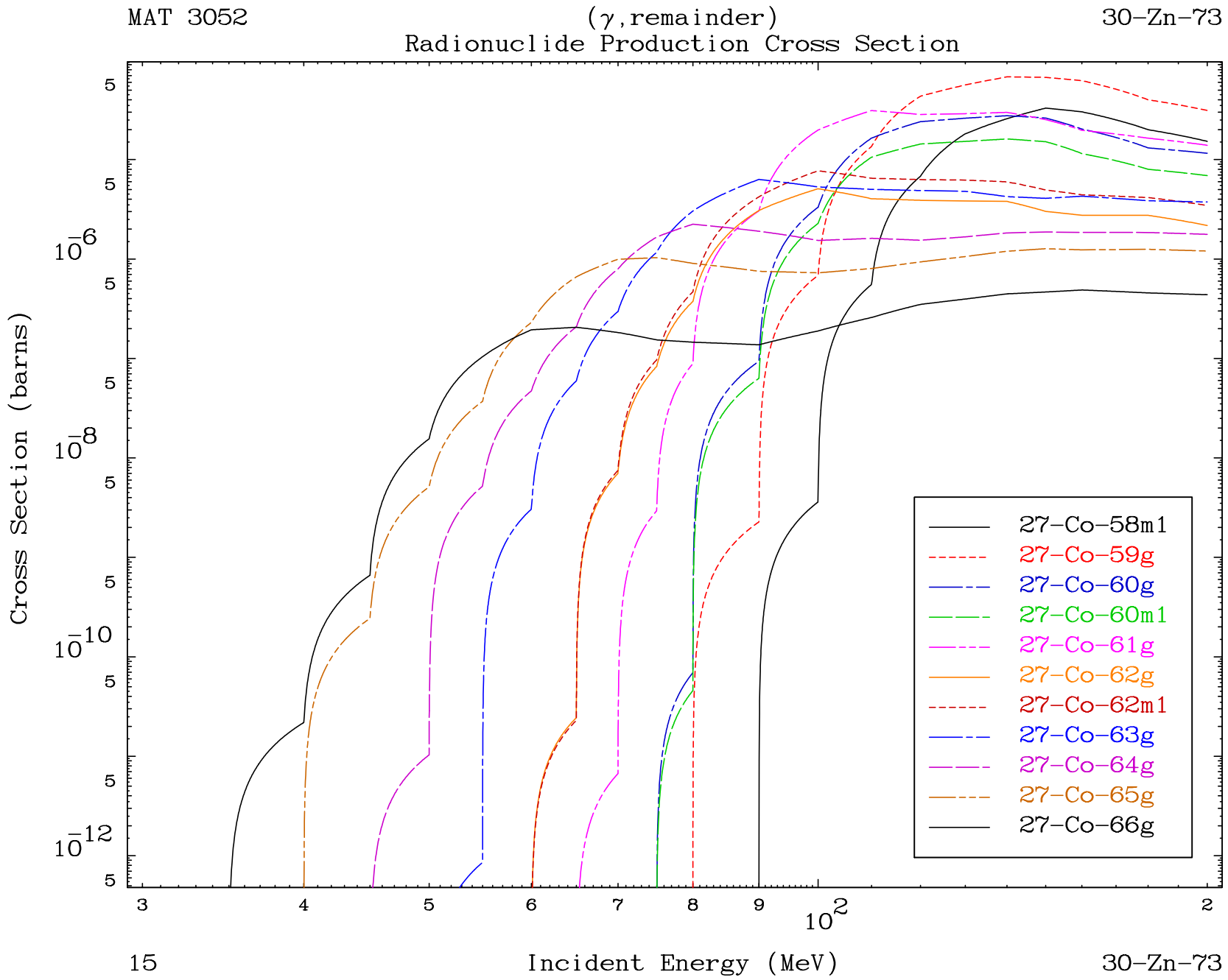

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
21-Sc-45g
21-Sc-45m1
21-Sc-46g
21-Sc-46m1
21-Sc-47g
21-Sc-48g
22-Ti-45g
22-Ti-46g
22-Ti-47g
22-Ti-48g
22-Ti-48m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
120
140
160
180
200
10
Incident Energy (MeV)
30-Zn-73


MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
22-Ti-49g
22-Ti-50g
23-V -46g
23-V -47g
23-V -48g
23-V -49g
23-V -50g
23-V -51g
23-V -52g
24-Cr-48g
24-Cr-49g
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
100
120
140
160
180
200
11
Incident Energy (MeV)
30-Zn-73

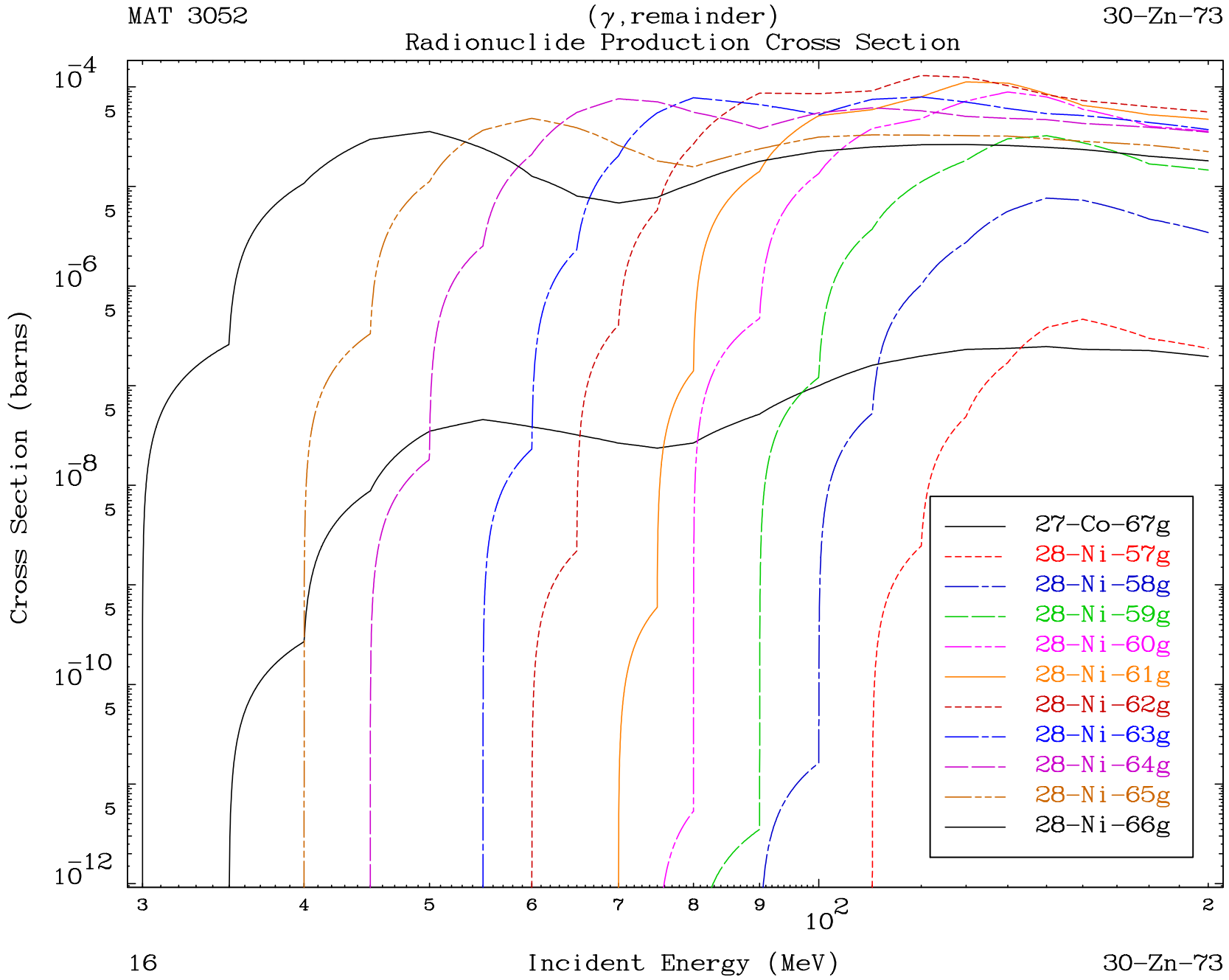

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
80
100
120
140
160
180
200
12
Incident Energy (MeV)
30-Zn-73
24-Cr-50g
24-Cr-51g
24-Cr-52g
24-Cr-53g
24-Cr-54g
25-Mn-50g
25-Mn-50m1
25-Mn-51g
25-Mn-52g
25-Mn-52m1
25-Mn-53g

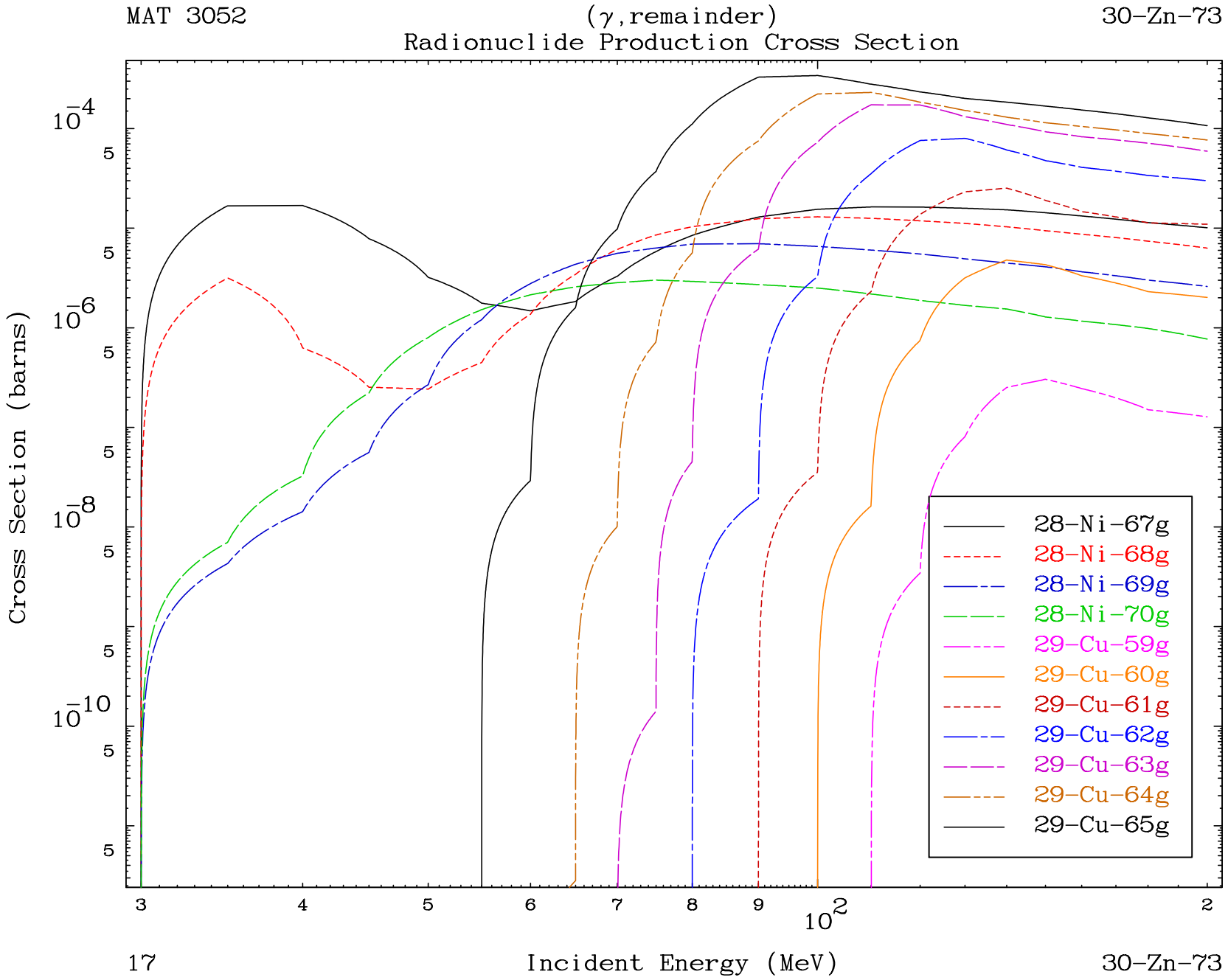

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
25-Mn-54g
25-Mn-55g
25-Mn-56g
25-Mn-57g
25-Mn-58g
25-Mn-58m1
26-Fe-52g
26-Fe-52m1
26-Fe-53g
26-Fe-53m1
26-Fe-54g
Cross Section (barns)
10-2
10-4
10-6
10-8
10-10
10-12
80
100
120
140
160
180
200
13
Incident Energy (MeV)
30-Zn-73

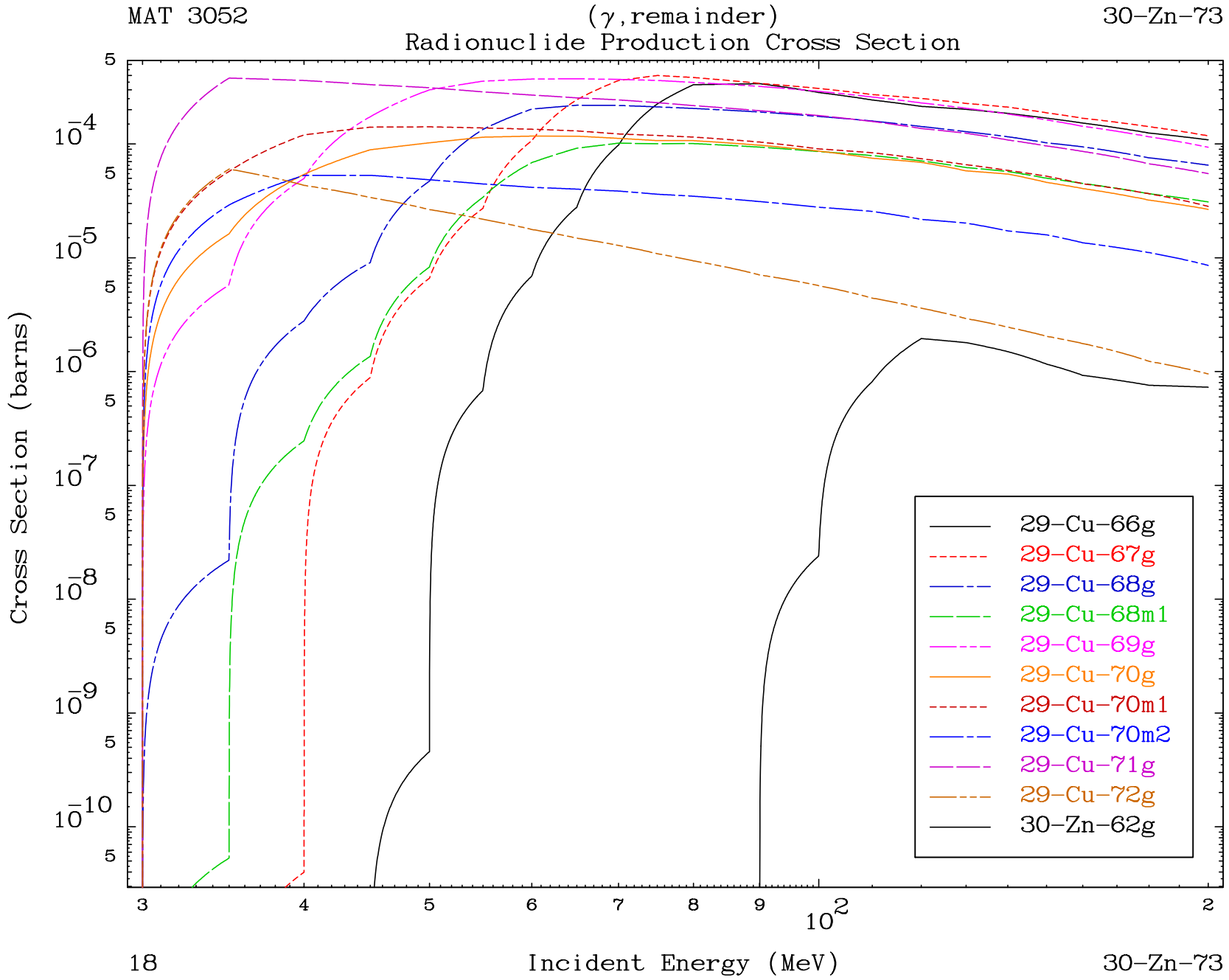

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
50
100
150
200
14
Incident Energy (MeV)
30-Zn-73
26-Fe-55g
26-Fe-56g
26-Fe-57g
26-Fe-58g
26-Fe-59g
26-Fe-60g
26-Fe-61g
27-Co-55g
27-Co-56g
27-Co-57g
27-Co-58g

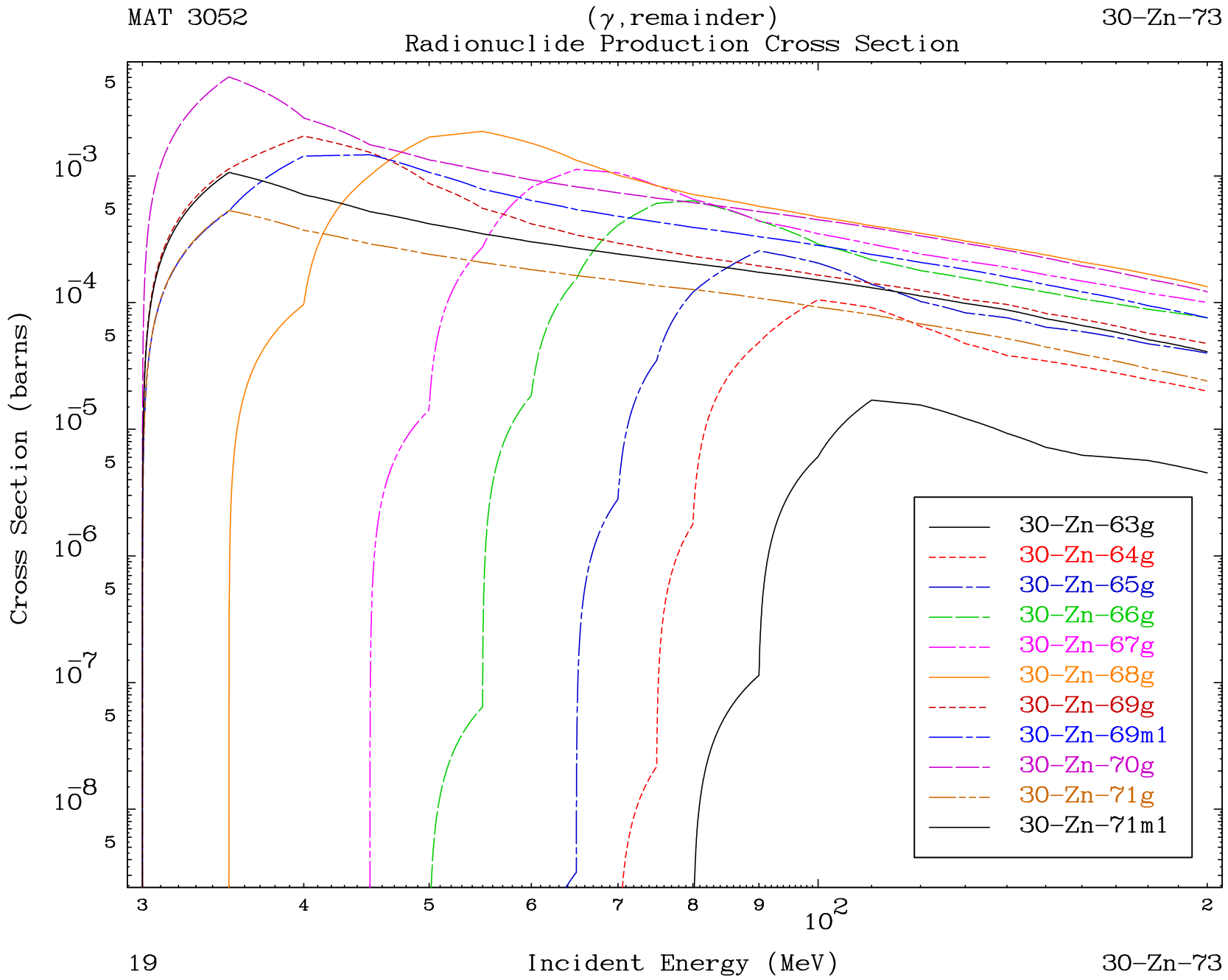

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
27-Co-58m1
27-Co-59g
27-Co-60g
27-Co-60m1
27-Co-61g
27-Co-62g
27-Co-62m1
27-Co-63g
27-Co-64g
27-Co-65g
27-Co-66g

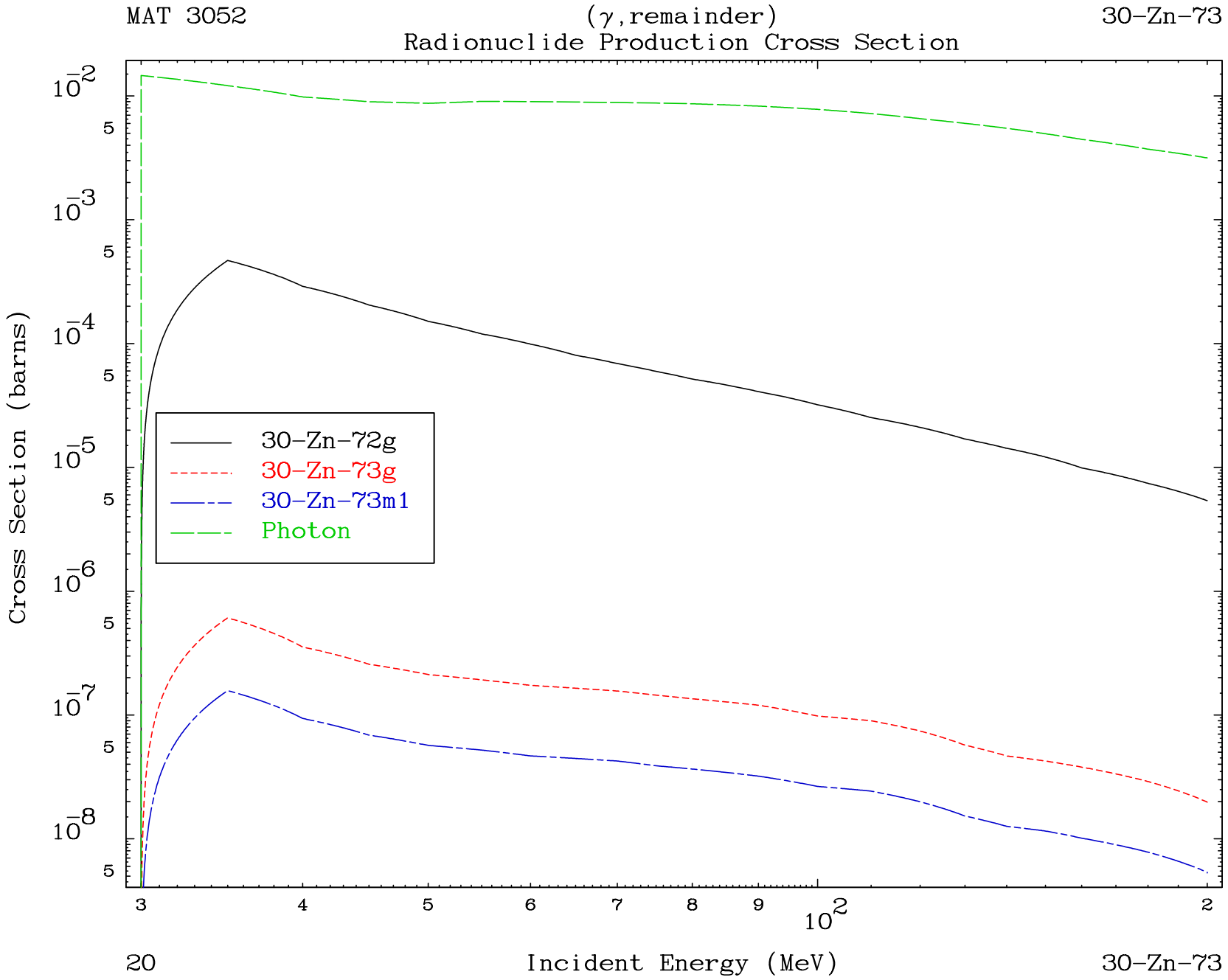
30-Zn-73

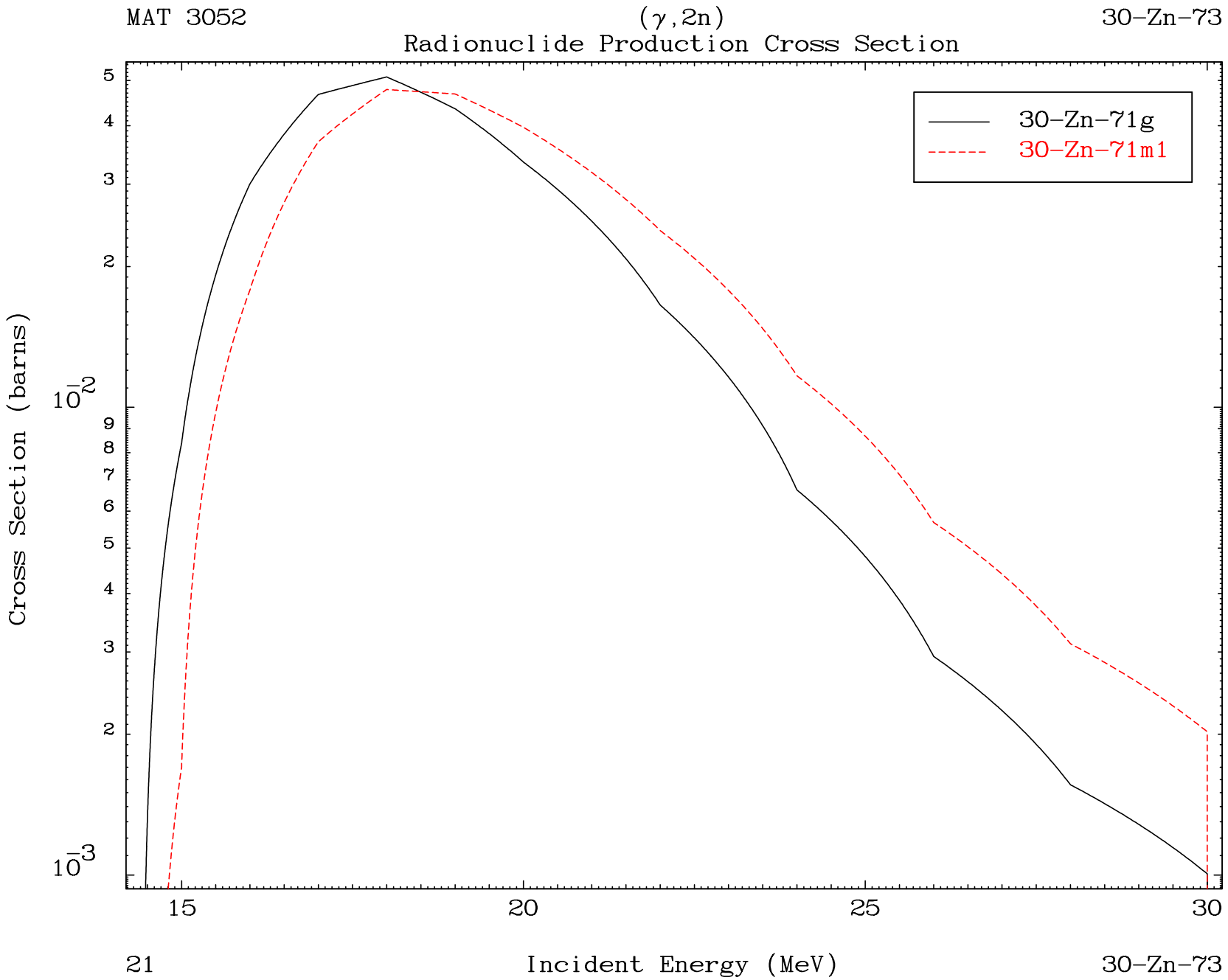

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
27-Co-67g
28-Ni-57g
28-Ni-58g
28-Ni-59g
28-Ni-60g
28-Ni-61g
28-Ni-62g
28-Ni-63g
28-Ni-64g
28-Ni-65g
28-Ni-66g
16
Incident Energy (MeV)
30-Zn-73

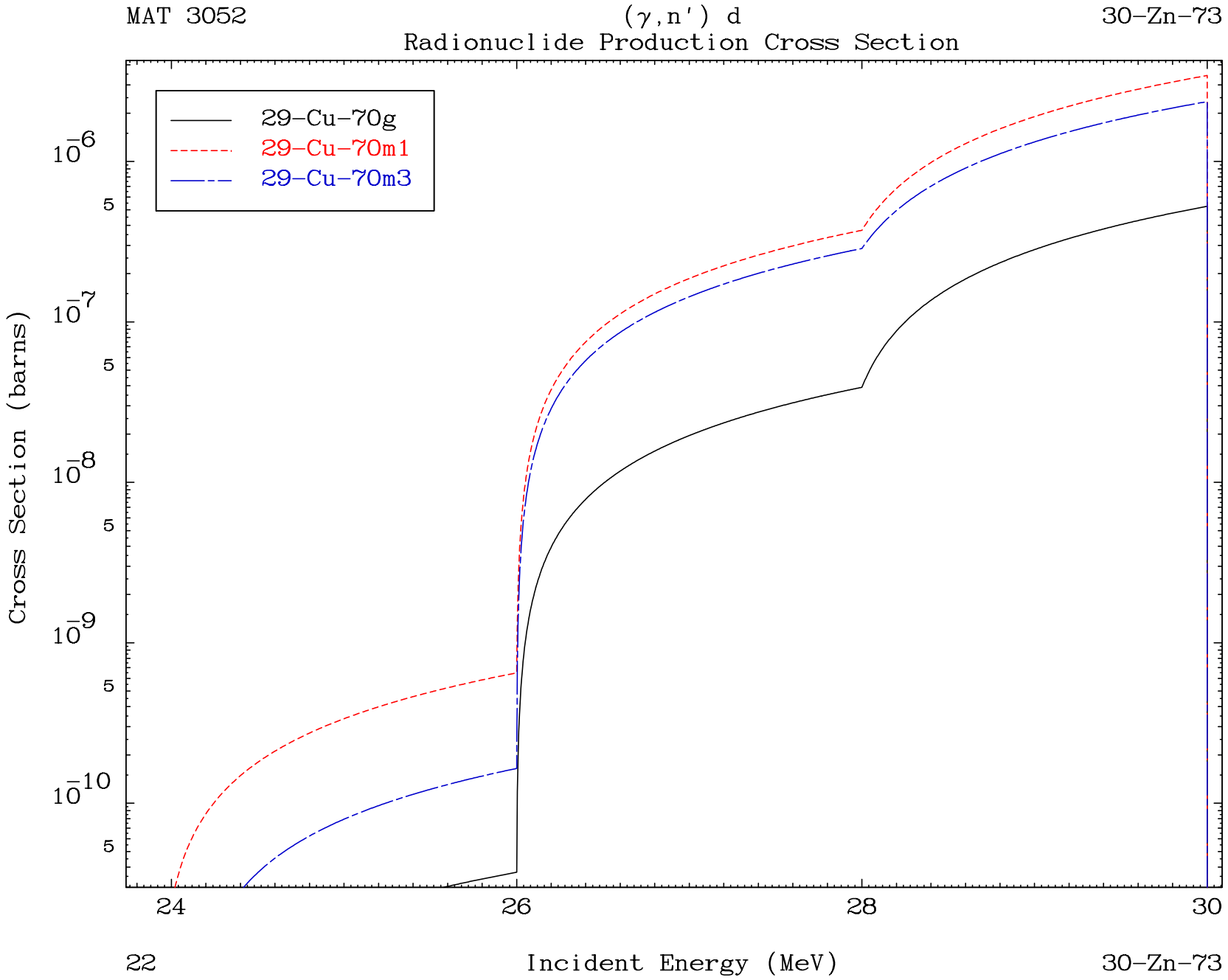

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
28-Ni-67g
28-Ni-68g
28-Ni-69g
28-Ni-70g
29-Cu-59g
29-Cu-60g
29-Cu-61g
29-Cu-62g
29-Cu-63g
29-Cu-64g
29-Cu-65g
17
Incident Energy (MeV)
30-Zn-73

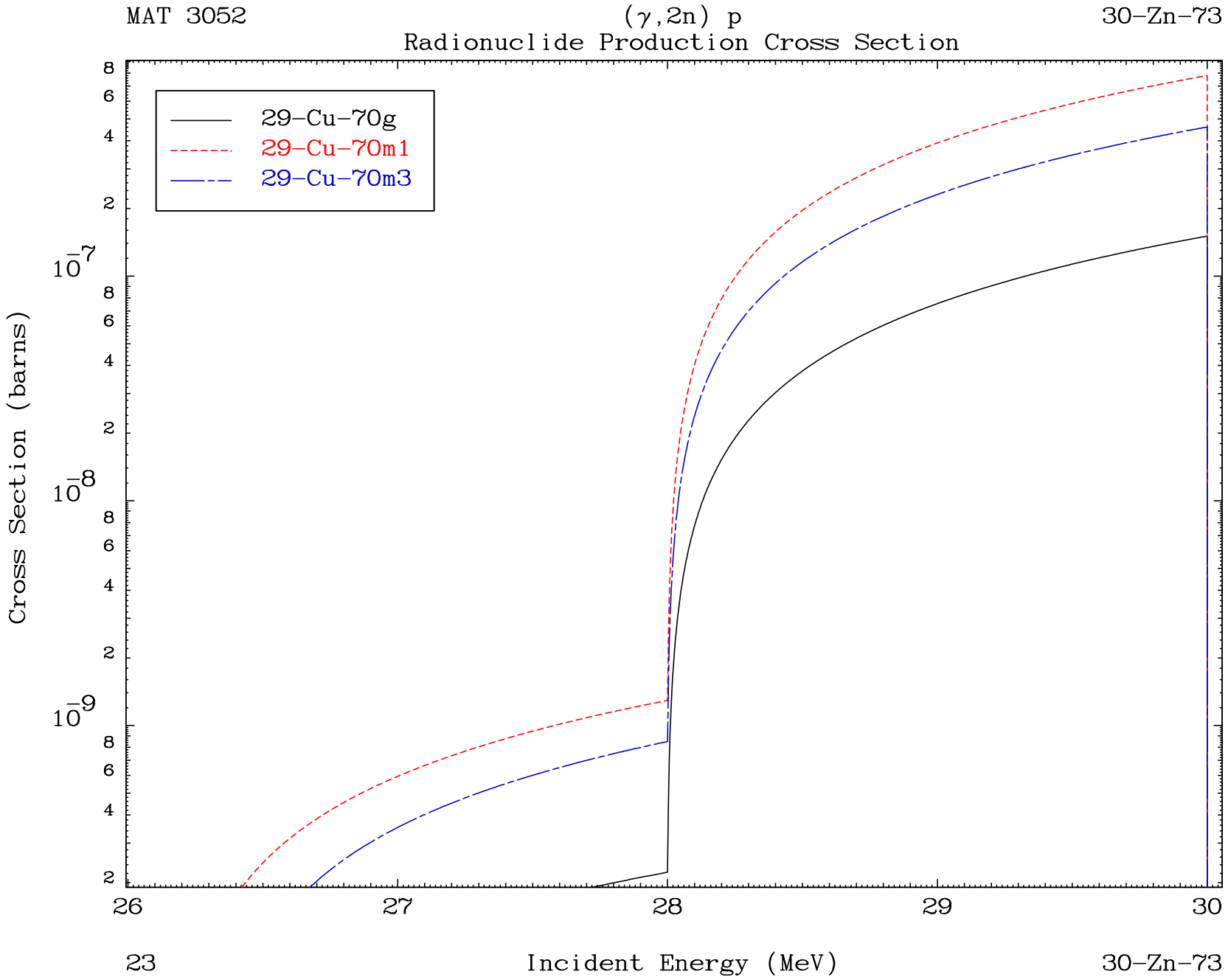

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
18
30-Zn-73
29-Cu-66g
29-Cu-67g
29-Cu-68g
29-Cu-68m1
29-Cu-69g
29-Cu-70g
29-Cu-70m1
29-Cu-70m2
29-Cu-71g
29-Cu-72g
30-Zn-62g

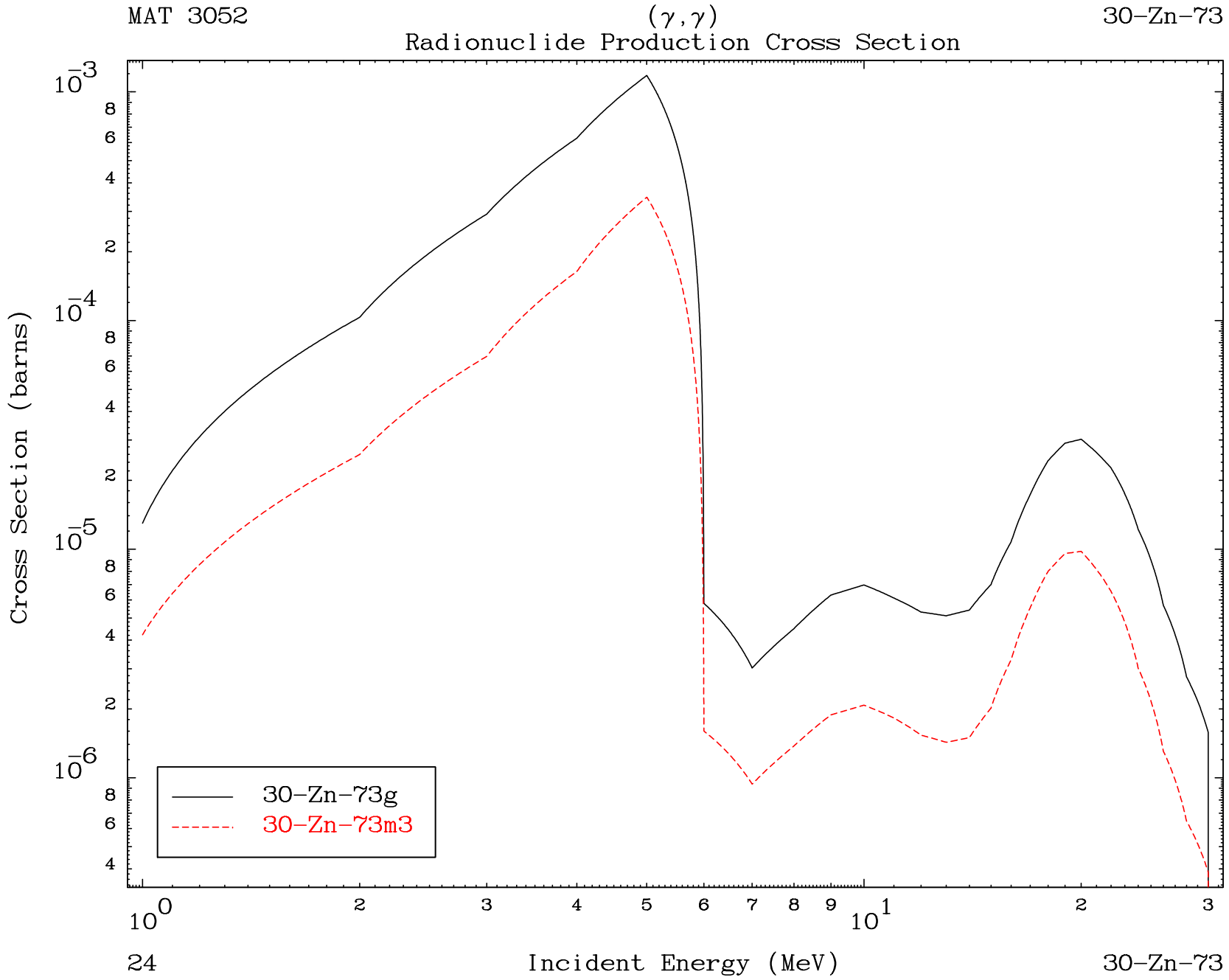

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
19
30-Zn-73
30-Zn-63g
30-Zn-64g
30-Zn-65g
30-Zn-66g
30-Zn-67g
30-Zn-68g
30-Zn-69g
30-Zn-69m1
30-Zn-70g
30-Zn-71g
30-Zn-71m1

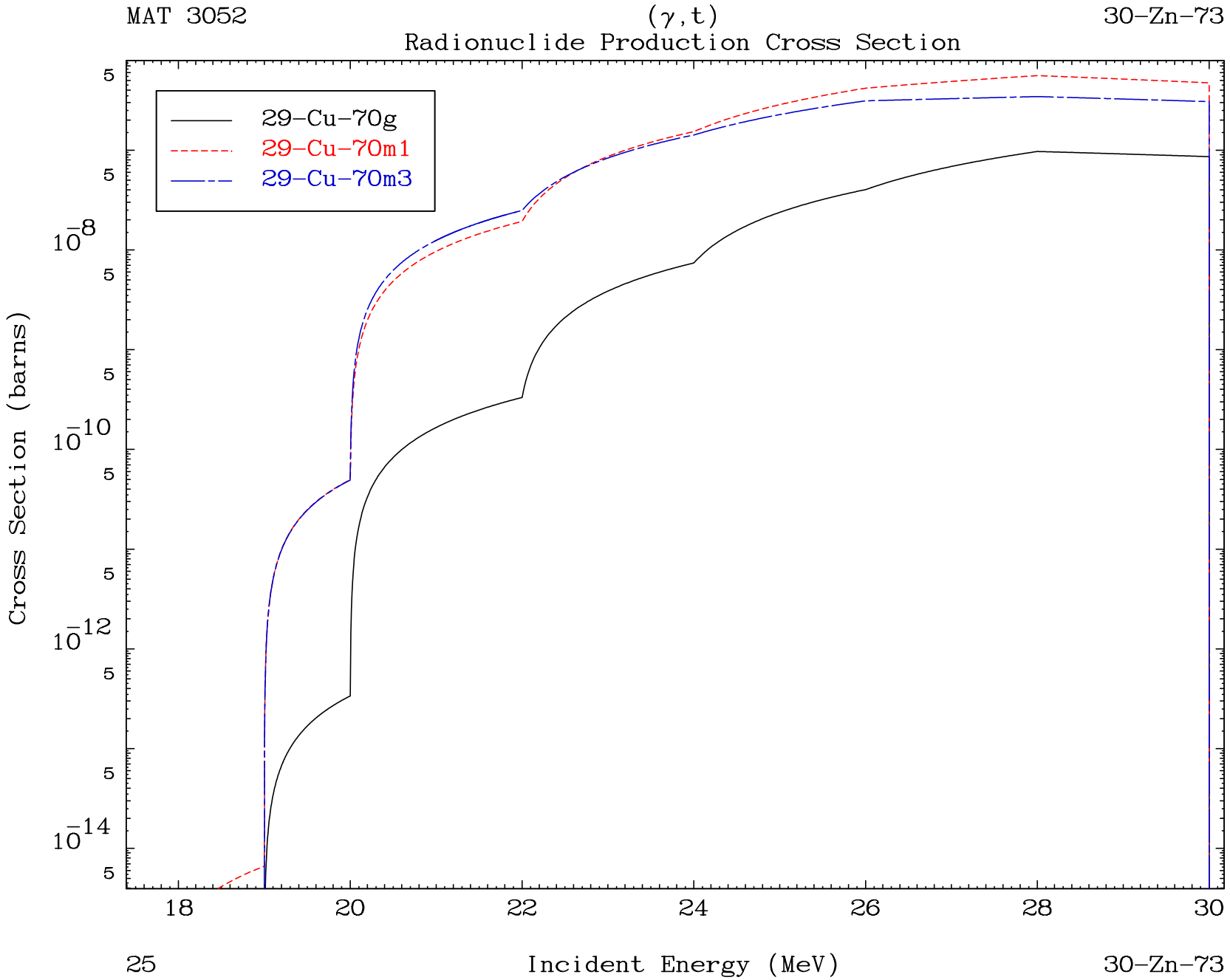

MAT 3052
(γ,remainder)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^3
10^4
10^5
10^6
10^7
10^8
5
30-Zn-72g
30-Zn-73g
30-Zn-73m1
Photon
3
4
5
6
7
8
9
10^2
2
20
Incident Energy (MeV)
30-Zn-73


MAT 3052
(γ,2n)
30-Zn-73
Radionuclide Production Cross Section
30-Zn-71g
30-Zn-71m1
Cross Section (barns)
10-2
10-3
5
4
3
2
9
8
7
6
5
4
3
2
15
20
25
30
21
Incident Energy (MeV)
30-Zn-73


MAT 3052
(γ,n') d
30-Zn-73
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
10-6
5
10-7
5
10-8
5
10-9
5
10-10
5
24
26
28
30
22
Incident Energy (MeV)
30-Zn-73


MAT 3052
(γ,2n) p
30-Zn-73
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
10-7
10-8
10-9
8
6
4
2
26
27
28
29
30
23
Incident Energy (MeV)
30-Zn-73


MAT 3052
(γ,γ)
30-Zn-73
Radionuclide Production Cross Section
Cross Section (barns)
10-3
10-4
10-5
10-6
100
101
Incident Energy (MeV)
30-Zn-73g
30-Zn-73m3
24
30-Zn-73


MAT 3052
(γ,t)
30-Zn-73
Radionuclide Production Cross Section
29-Cu-70g
29-Cu-70m1
29-Cu-70m3
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
18
20
22
24
26
28
30
25
Incident Energy (MeV)
30-Zn-73