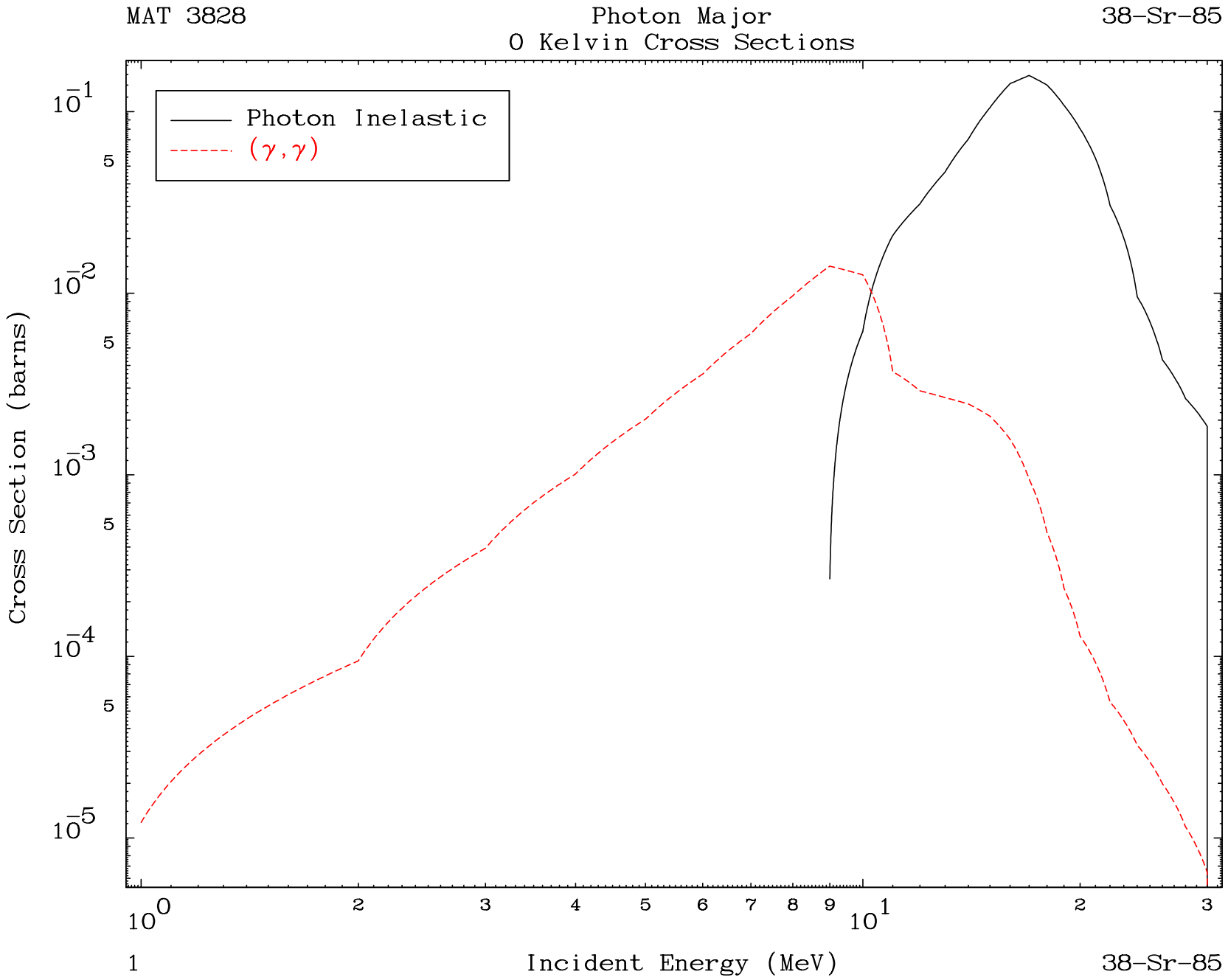
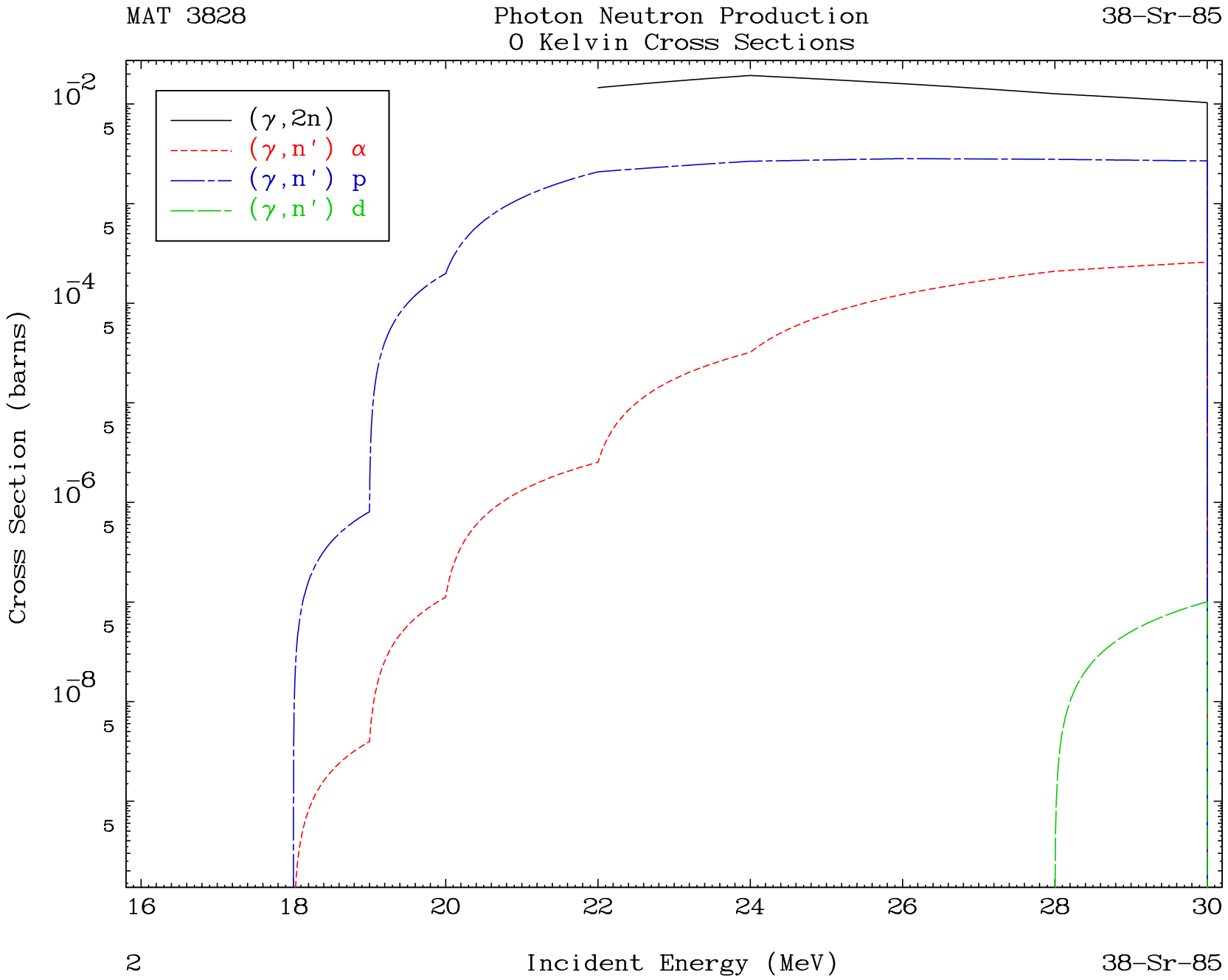
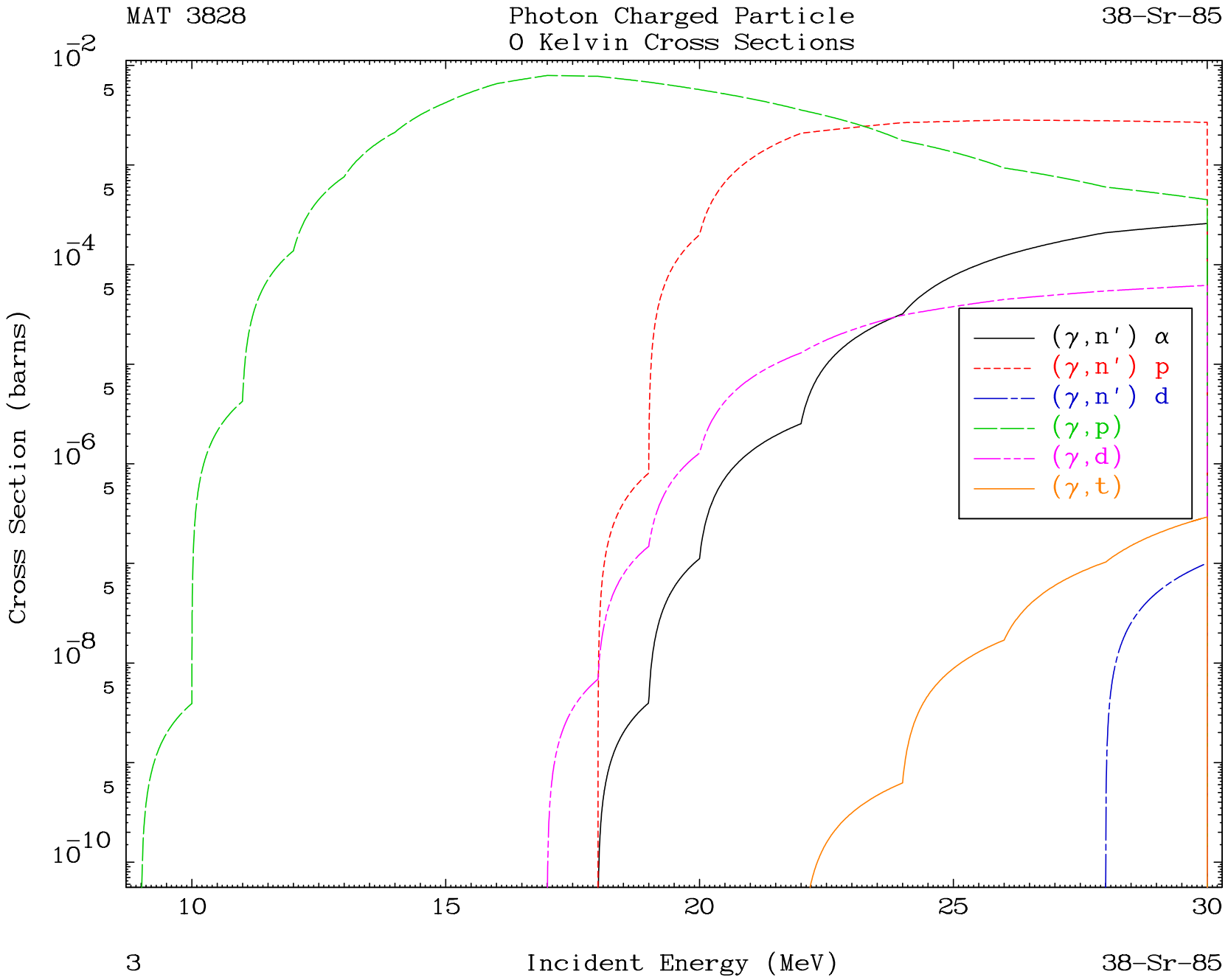
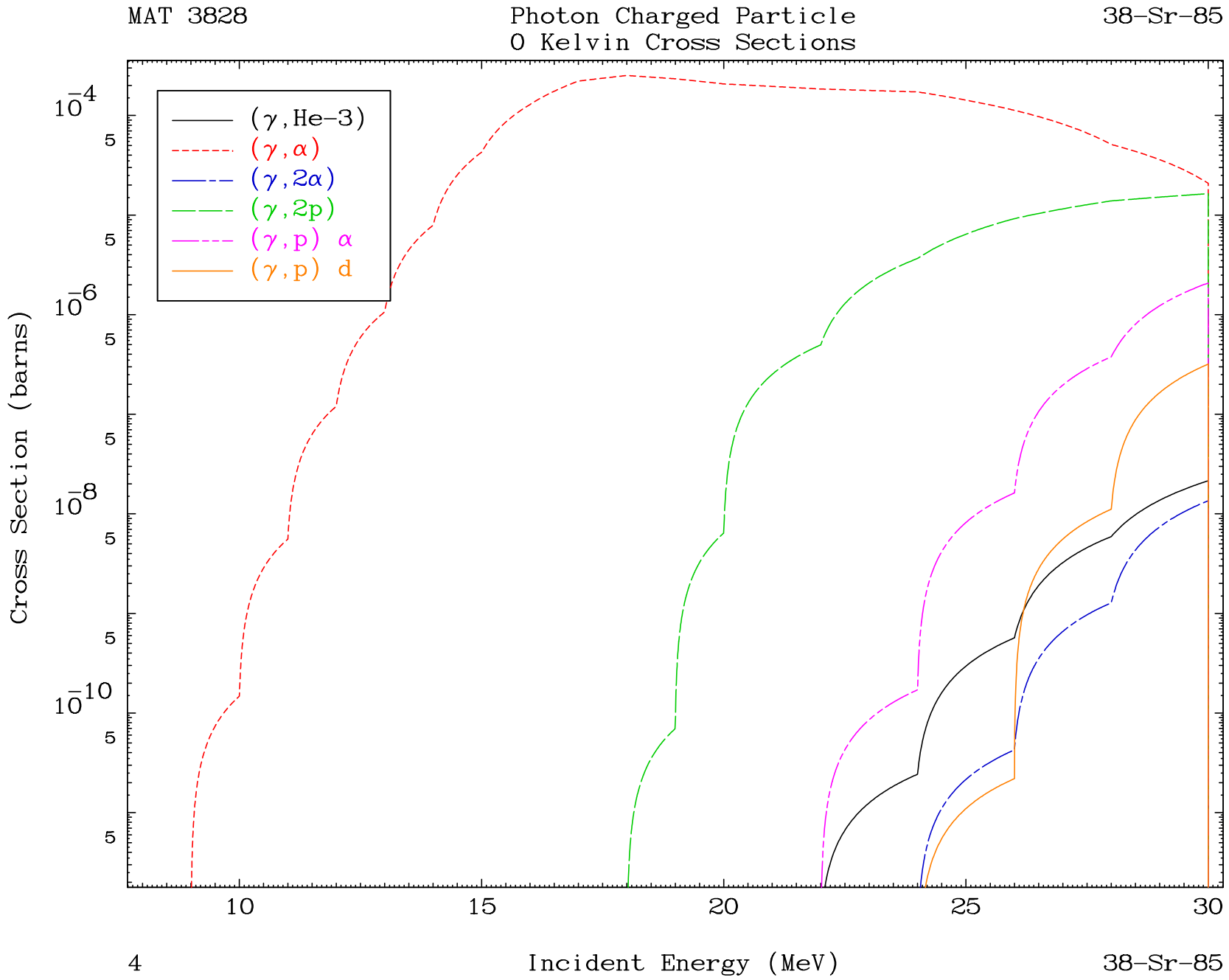
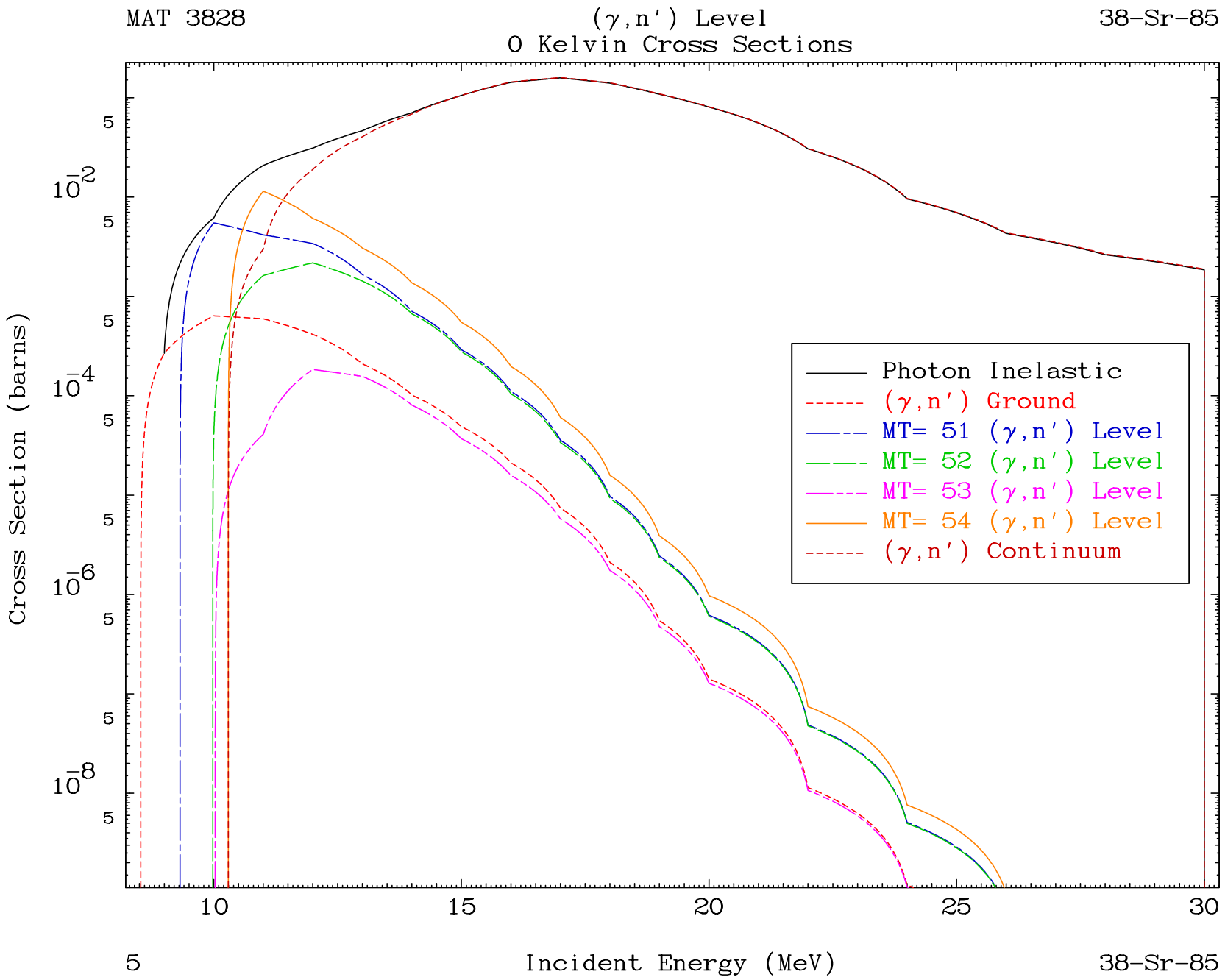
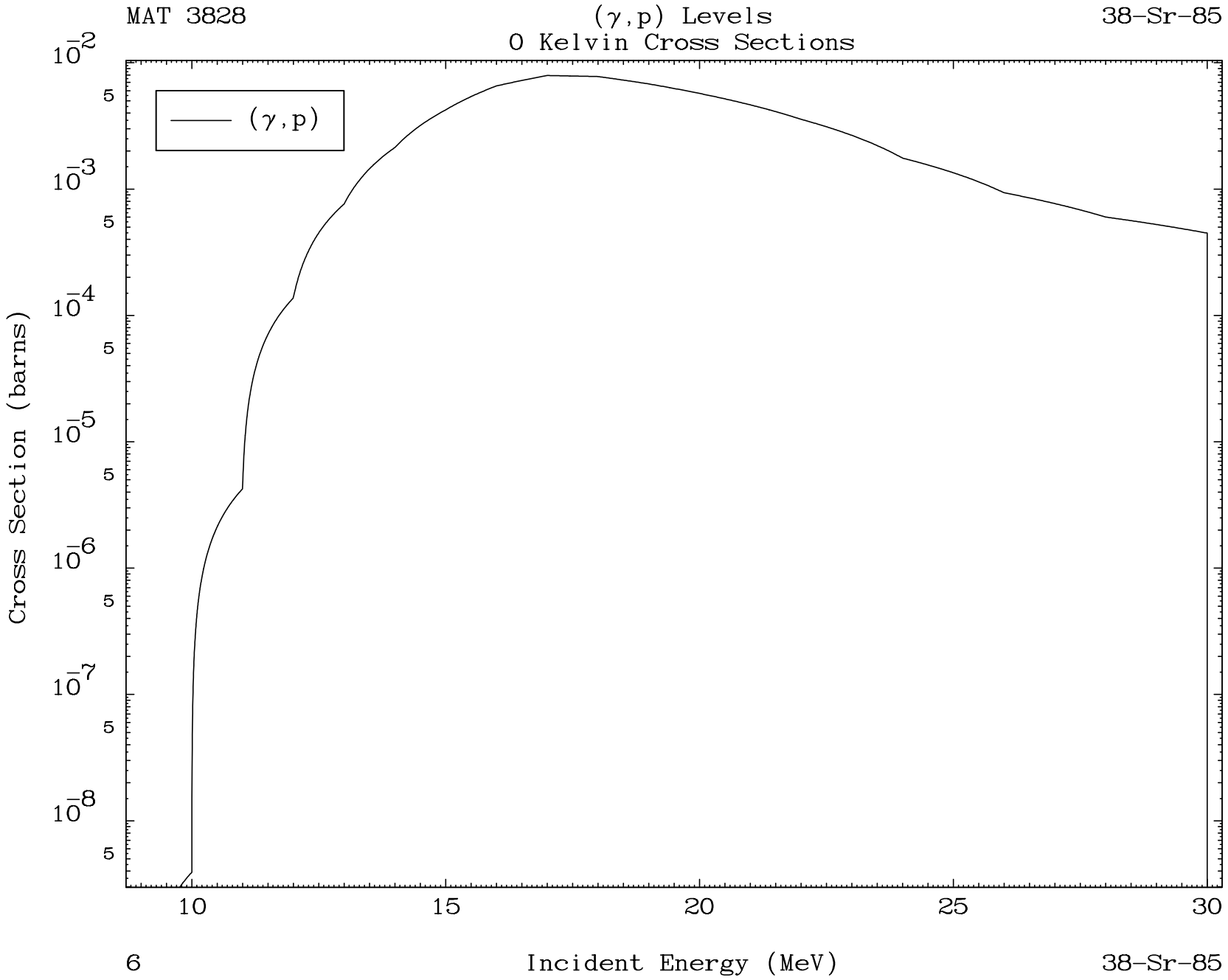

MAT 3828
Photon Major
38-Sr-85
0 Kelvin Cross Sections
Photon Inelastic
(γ,γ)
Cross Section (barns)
10-1
5
10-2
5
10-3
5
10-4
5
10-5
100
2
3
4
5
6
7
8
9
101
2
3
1
Incident Energy (MeV)
38-Sr-85

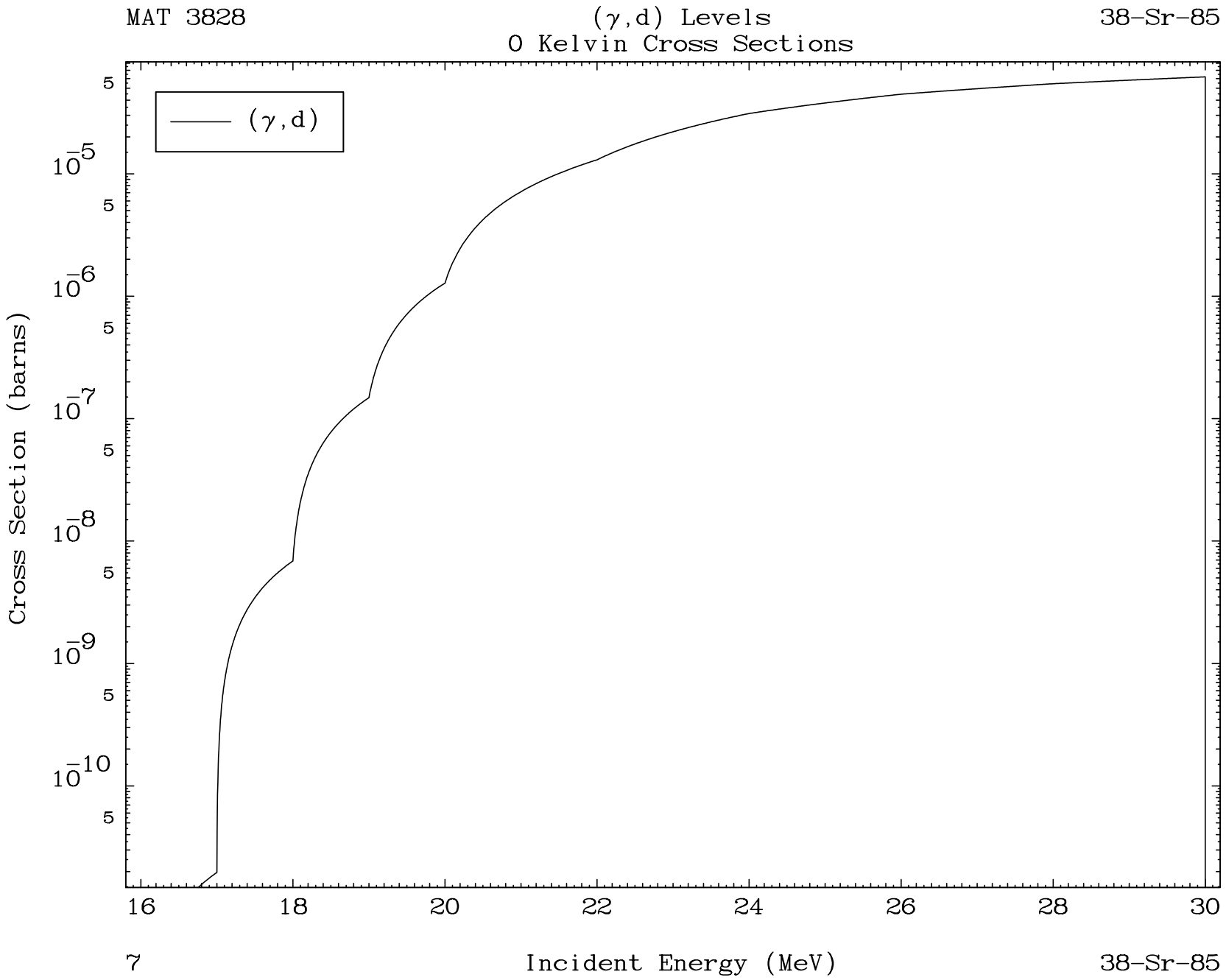

MAT 3828
Photon Neutron Production
0 Kelvin Cross Sections
38-Sr-85
(γ,2n)
(γ,n') α
(γ,n') p
(γ,n') d
Cross Section (barns)
10-2
10-4
10-6
10-8
5
16
18
20
22
24
26
28
30
2
Incident Energy (MeV)
38-Sr-85

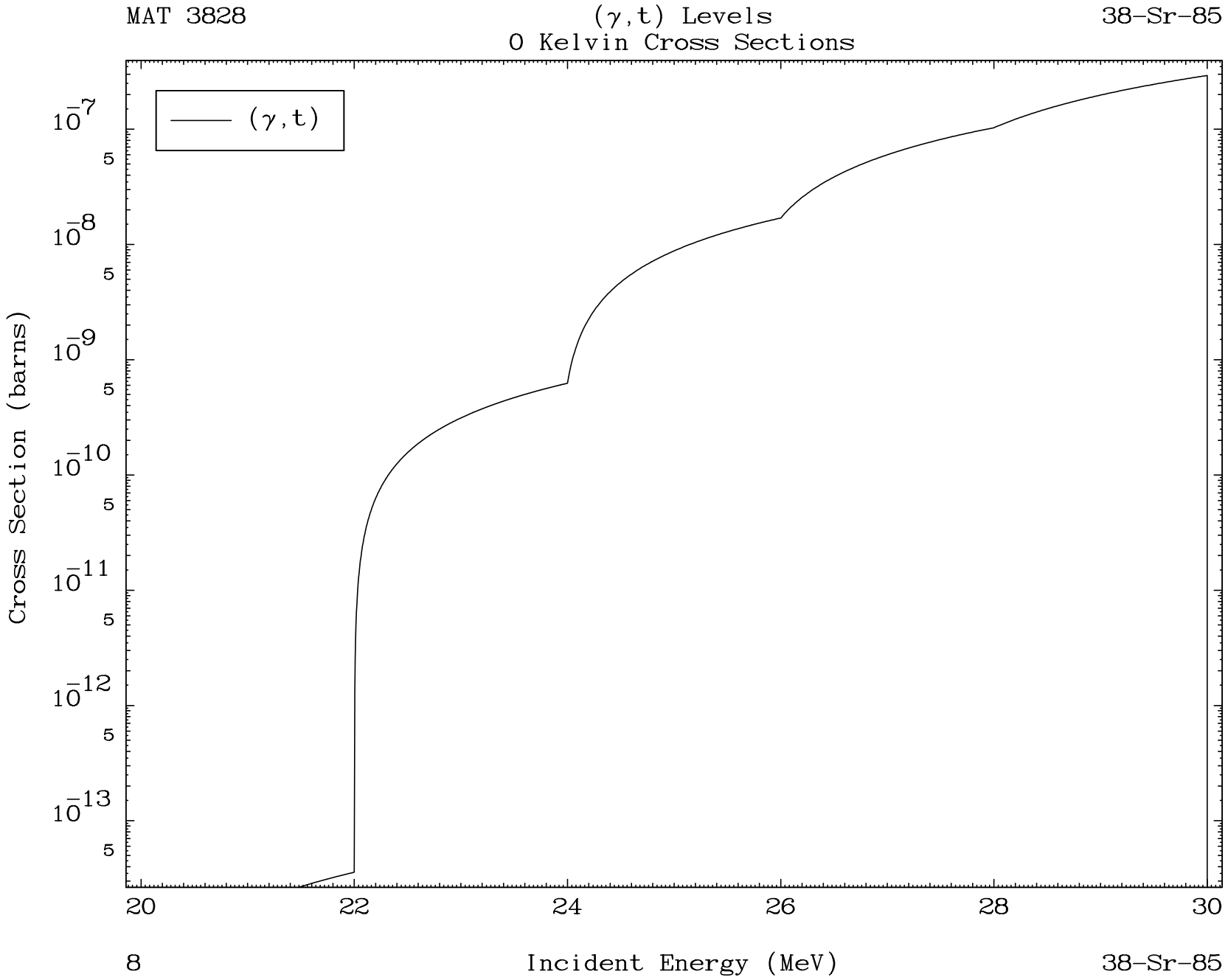

MAT 3828
Photon Charged Particle
0 Kelvin Cross Sections
38-Sr-85
Cross Section (barns)
10^-2
5
10^-4
5
10^-6
5
10^-8
5
10^-10
5
10
15
20
25
30
3
Incident Energy (MeV)
38-Sr-85
(γ,n') α
(γ,n') p
(γ,n') d
(γ,p)
(γ,d)
(γ,t)

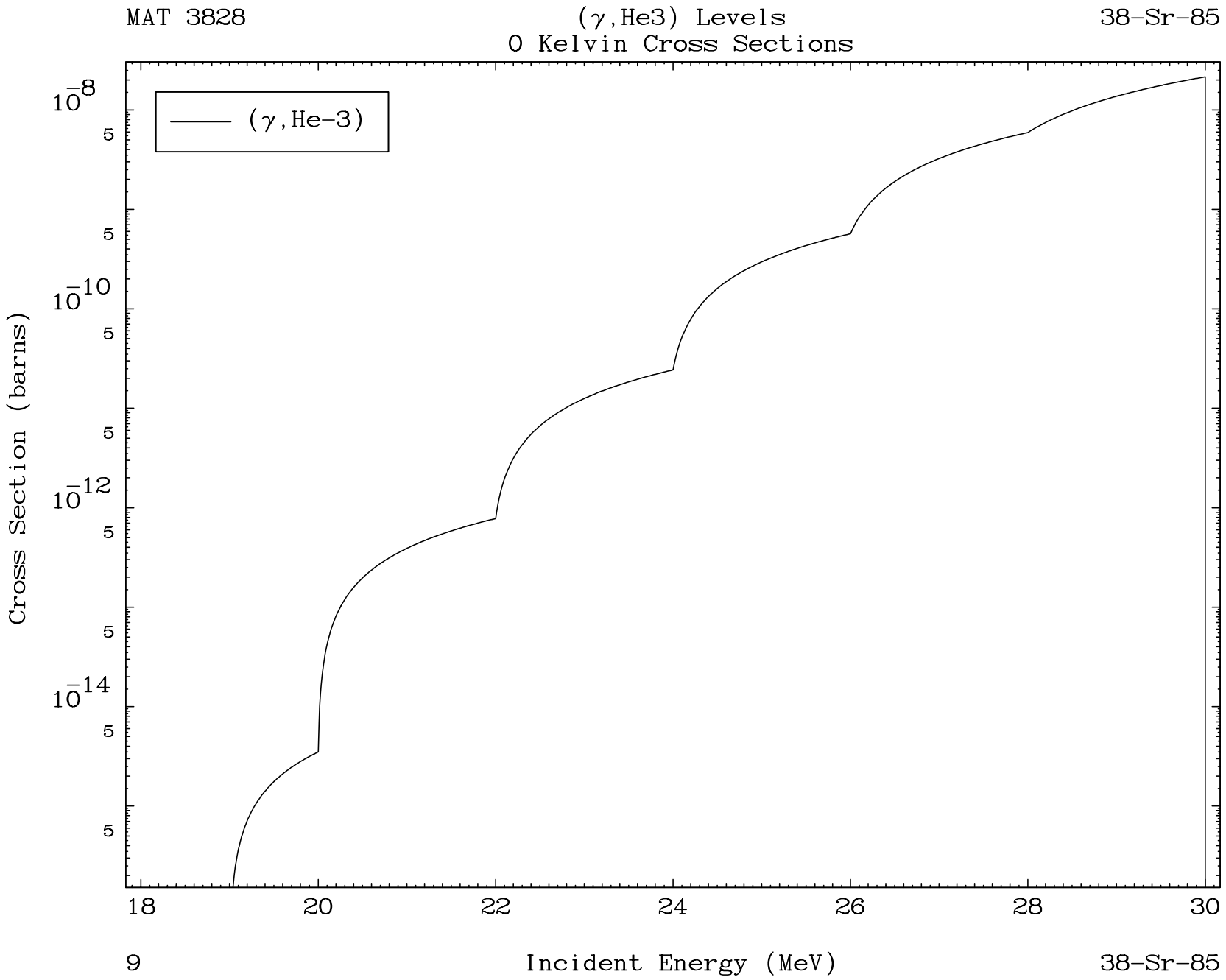

MAT 3828
Photon Charged Particle
0 Kelvin Cross Sections
38-Sr-85
(γ,He-3)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10
15
20
25
30
Incident Energy (MeV)
4
38-Sr-85

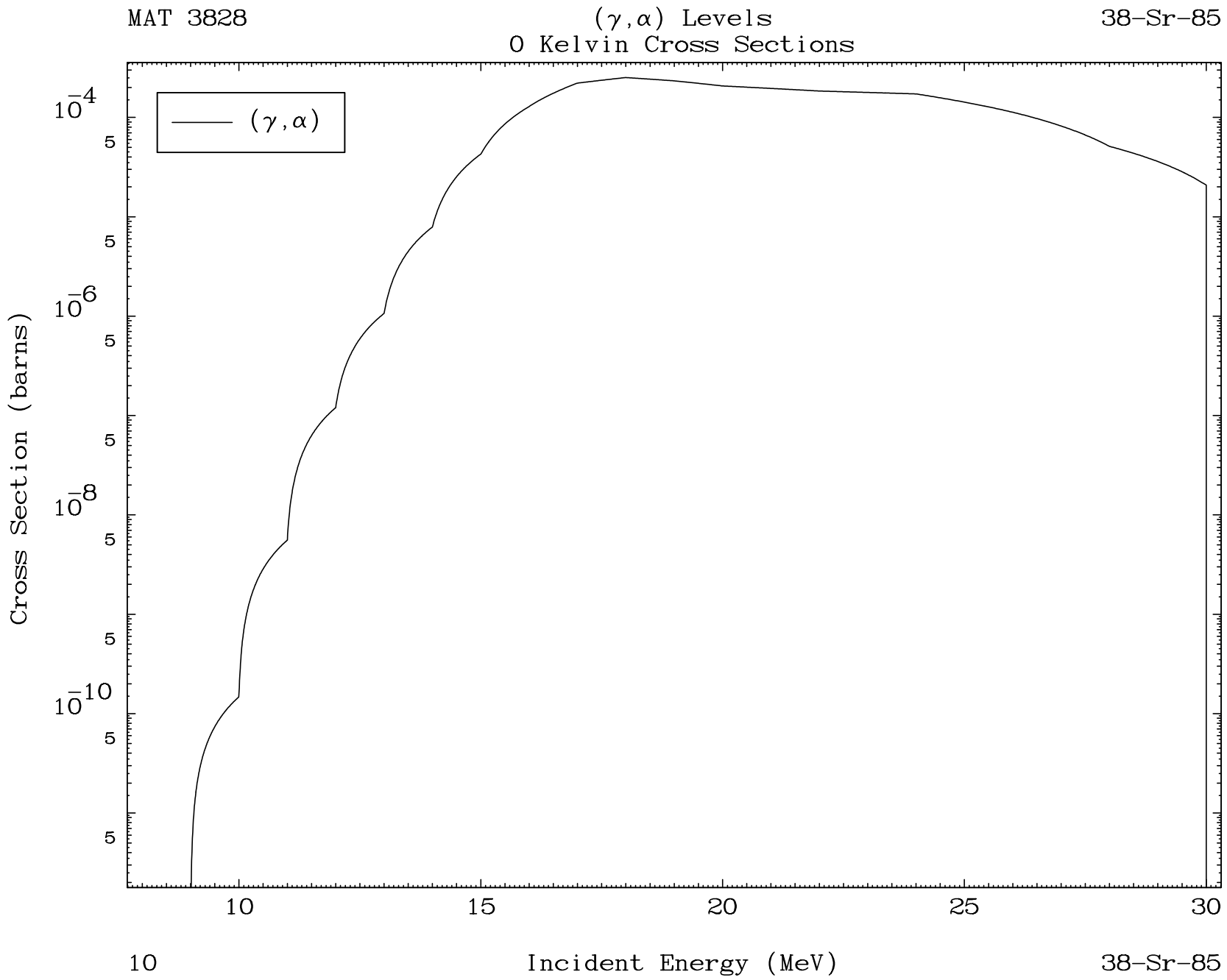

MAT 3828
(γ,n') Level
38-Sr-85
0 Kelvin Cross Sections
Cross Section (barns)
10-2
10-4
10-6
10-8
5
10
15
20
25
30
Incident Energy (MeV)
38-Sr-85
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
MT= 52 (γ,n') Level
MT= 53 (γ,n') Level
MT= 54 (γ,n') Level
(γ,n') Continuum

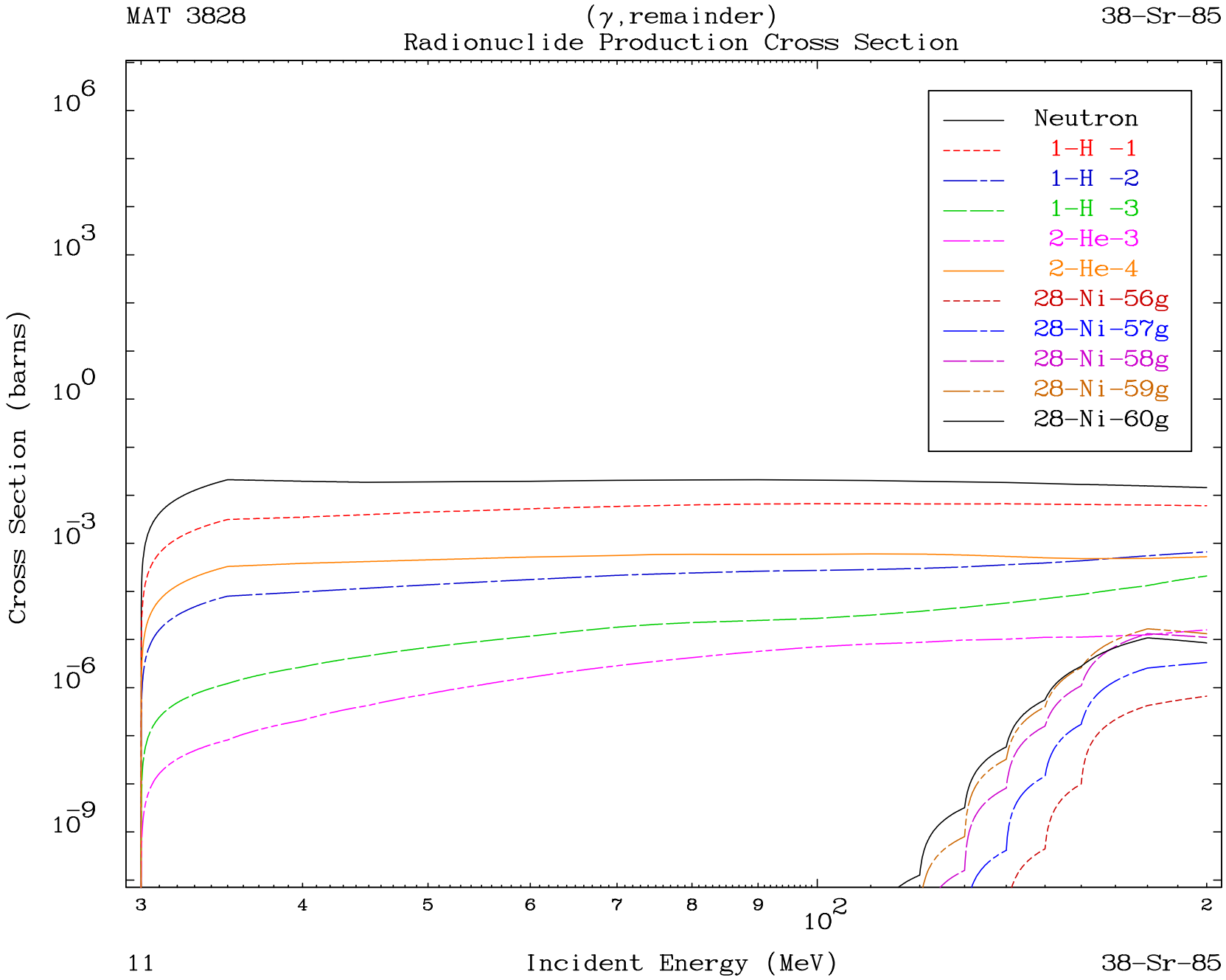

MAT 3828
(γ,p) Levels
38-Sr-85
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-2
5
10^-3
5
10^-4
5
10^-5
5
10^-6
5
10^-7
5
10^-8
5
10
15
20
25
30
Incident Energy (MeV)
6
38-Sr-85

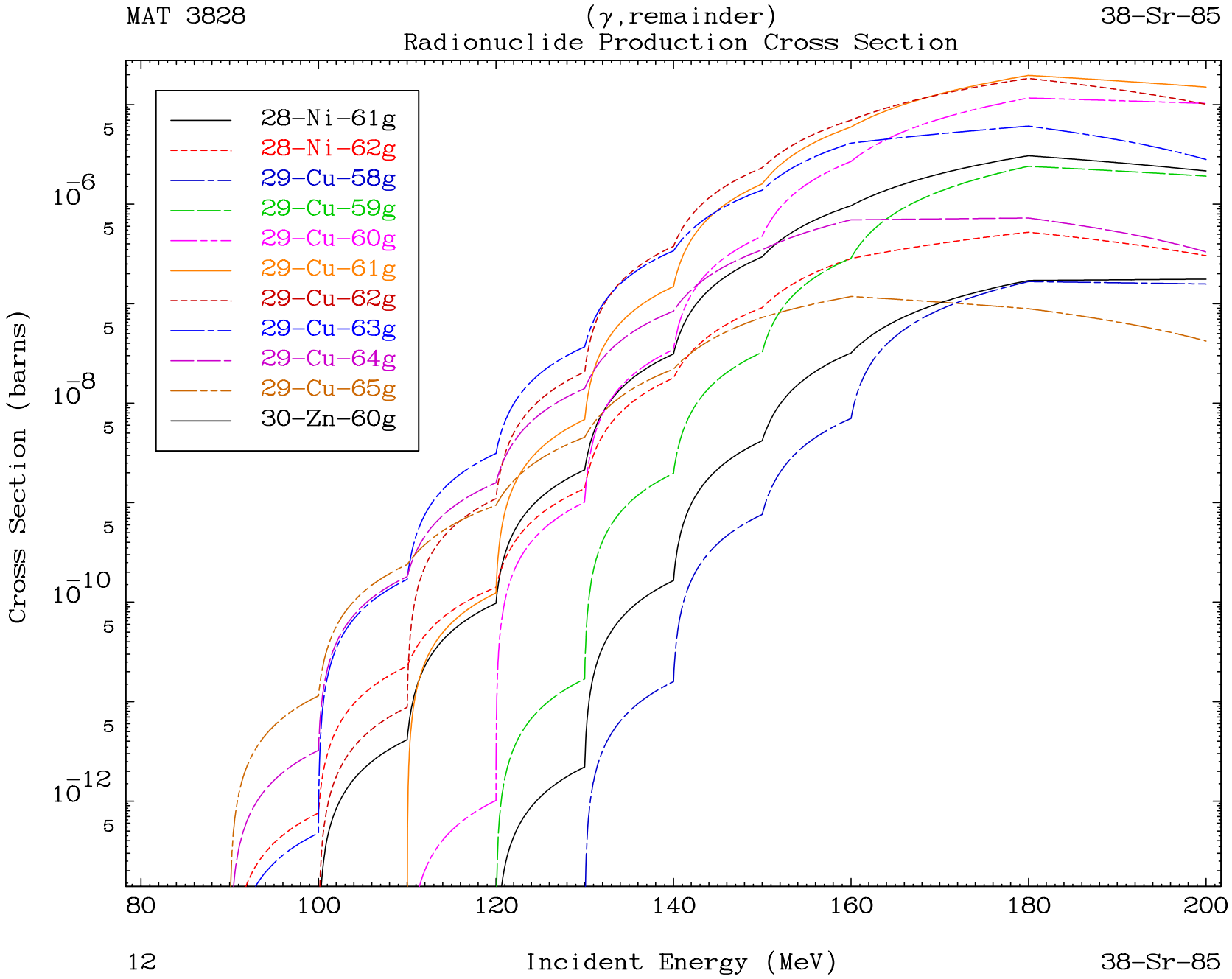

MAT 3828
(γ,d) Levels
38-Sr-85
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-5
10-6
10-7
10-8
10-9
10-10
16
18
20
22
24
26
28
30
Incident Energy (MeV)
7
38-Sr-85

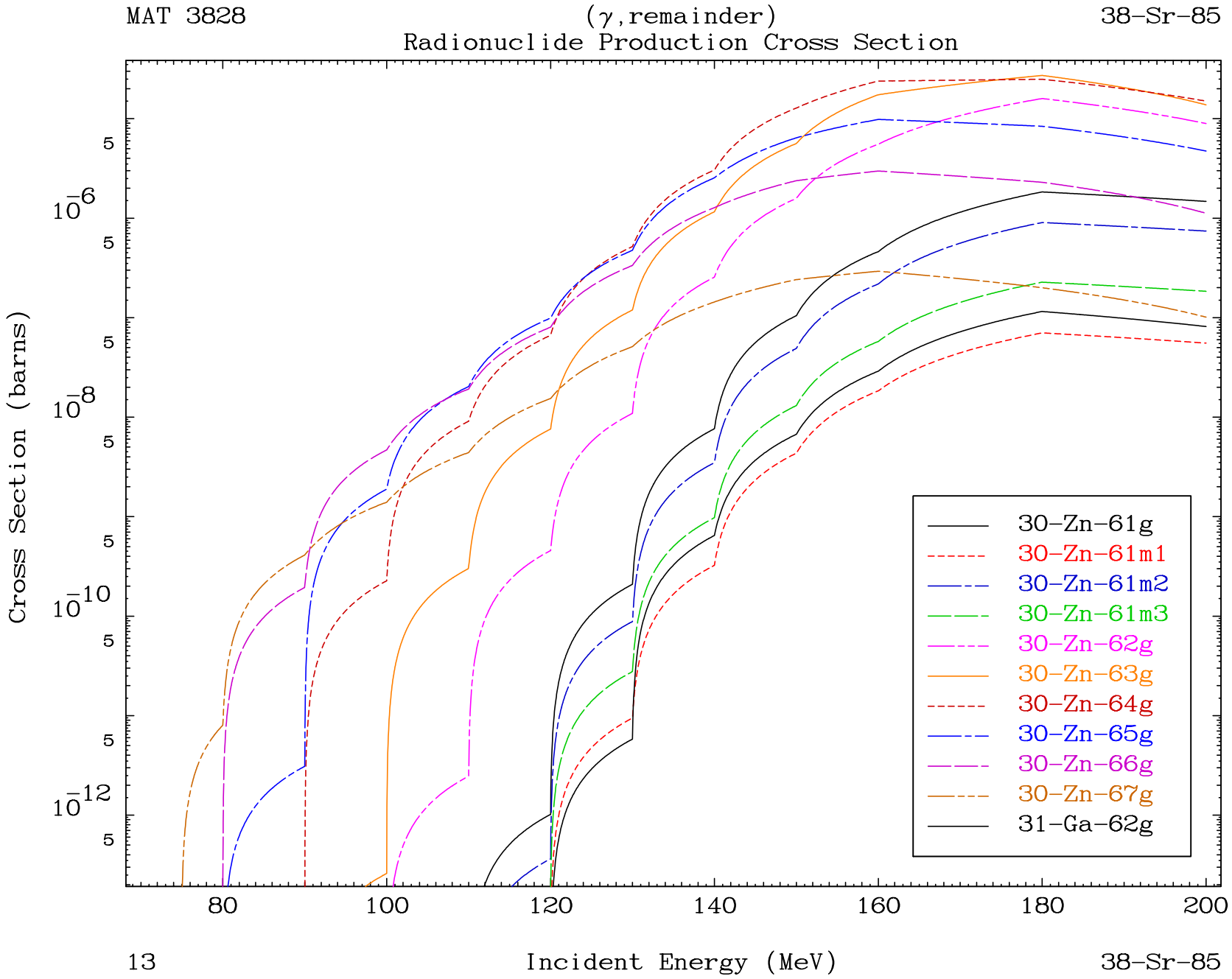

MAT 3828
(γ,t) Levels
38-Sr-85
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10-7
5
10-8
5
10-9
5
10-10
5
10-11
5
10-12
5
10-13
5
20
22
24
26
28
30
8
Incident Energy (MeV)
38-Sr-85

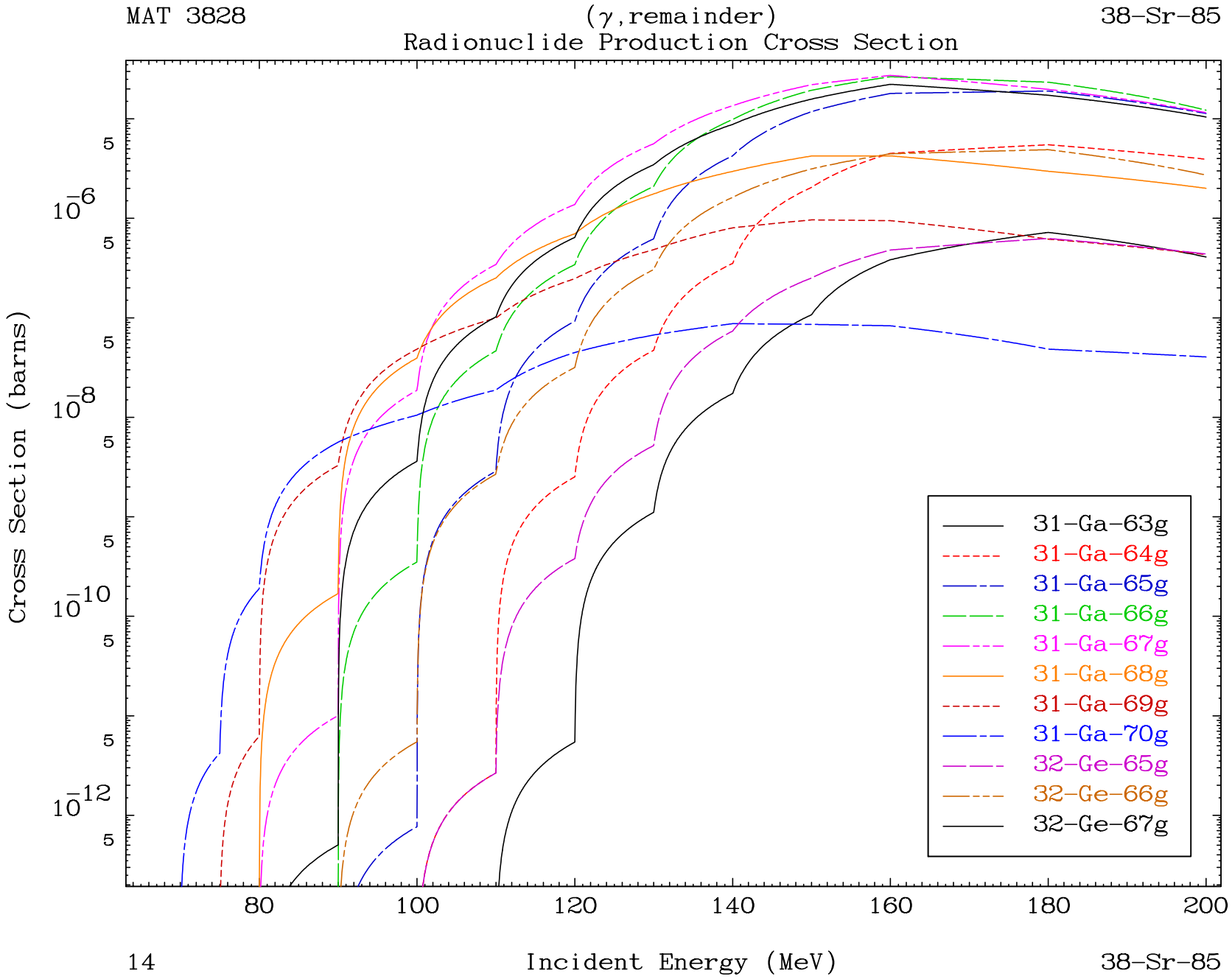

MAT 3828
(γ,He3) Levels
38-Sr-85
0 Kelvin Cross Sections
(γ,He-3)
Cross Section (barns)
10-8
10-10
10-12
10-14
5
18
20
22
24
26
28
30
9
Incident Energy (MeV)
38-Sr-85

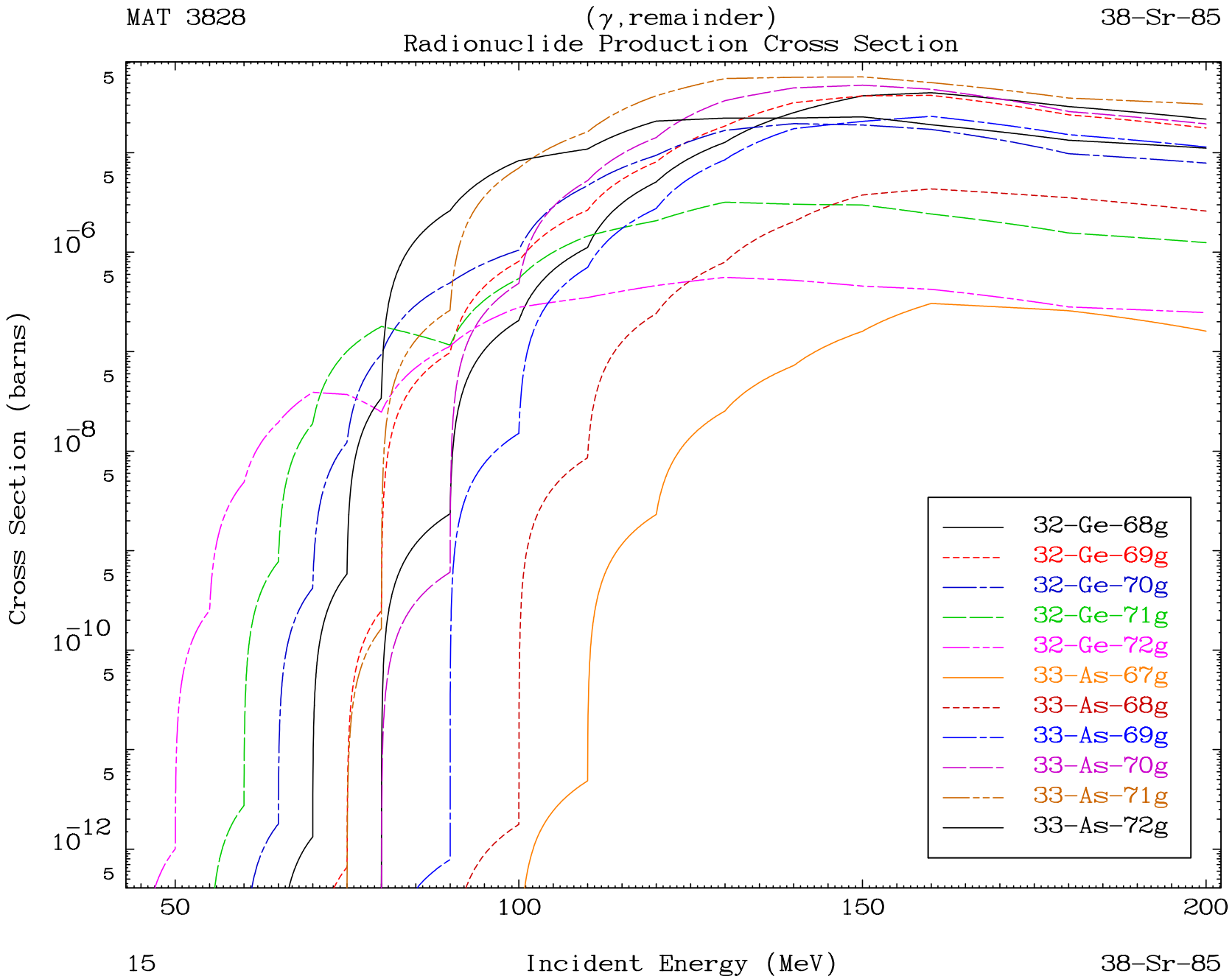

MAT 3828
(γ,α) Levels
38-Sr-85
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
10^-4
5
10^-6
5
10^-8
5
10^-10
5
5
10
15
20
25
30
10
Incident Energy (MeV)
38-Sr-85

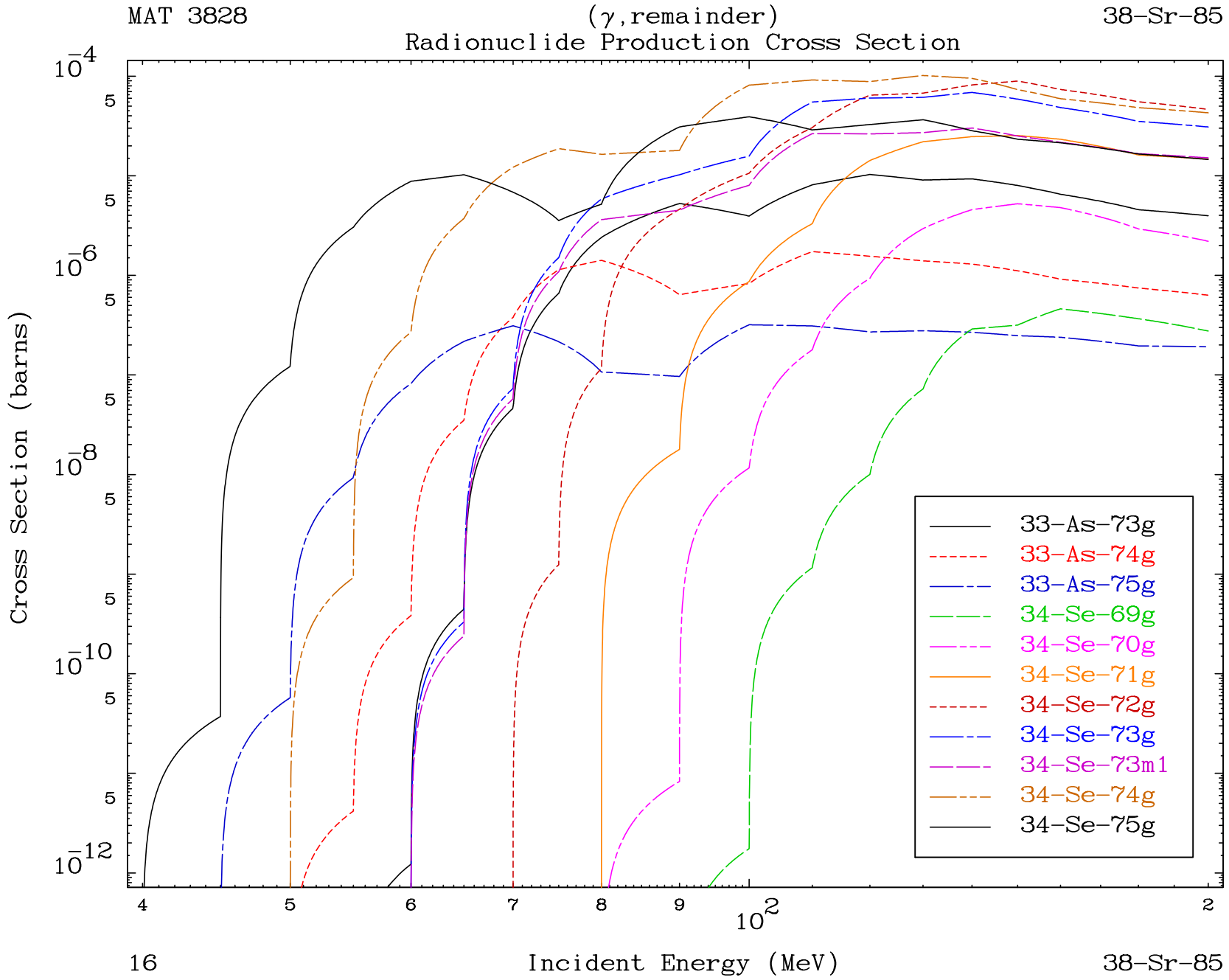

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
10^-9
Neutron
1-H -1
1-H -2
1-H -3
2-He-3
2-He-4
28-Ni-56g
28-Ni-57g
28-Ni-58g
28-Ni-59g
28-Ni-60g
3
4
5
6
7
8
9
10^2
2
11
Incident Energy (MeV)
38-Sr-85

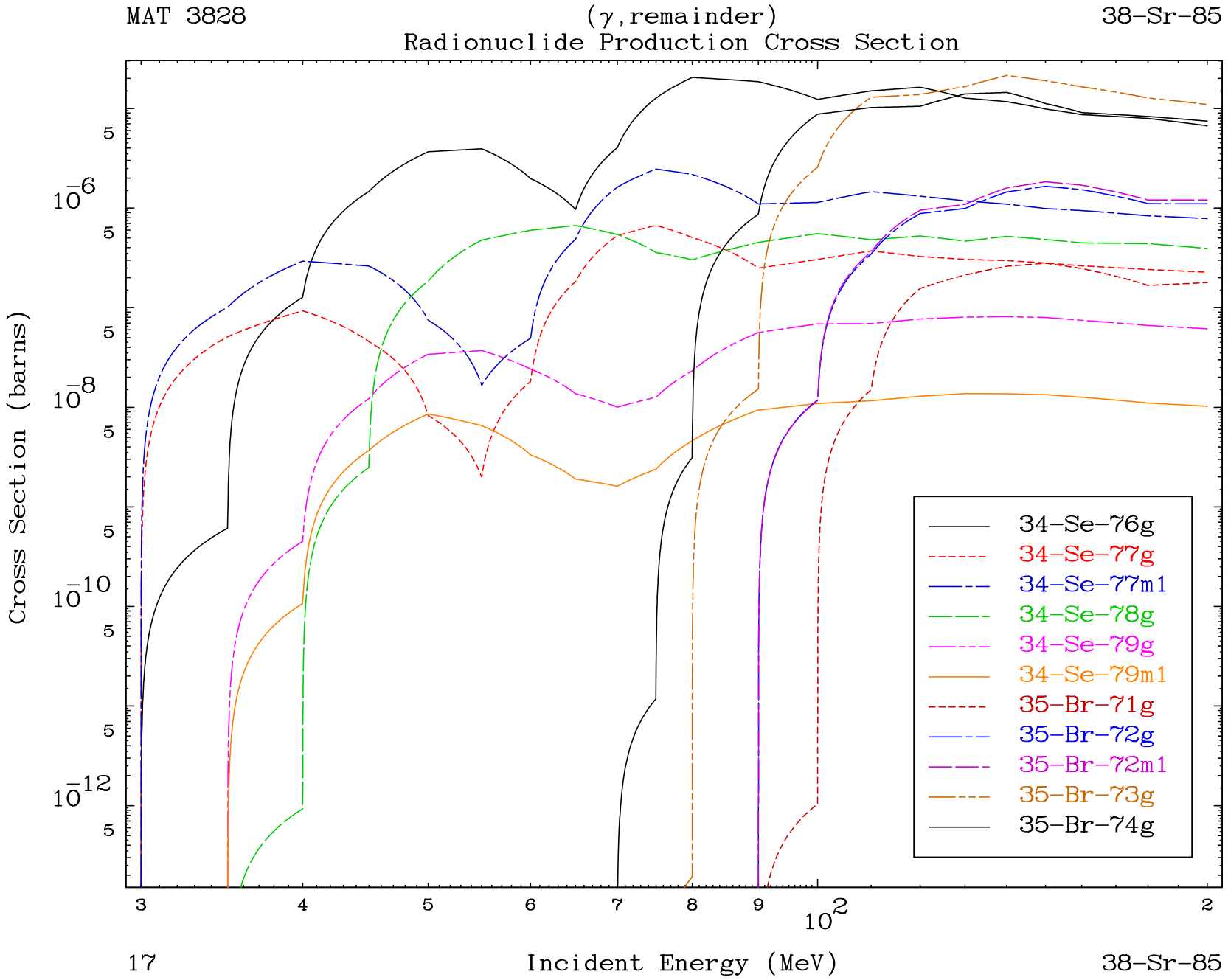

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
28-Ni-61g
28-Ni-62g
29-Cu-58g
29-Cu-59g
29-Cu-60g
29-Cu-61g
29-Cu-62g
29-Cu-63g
29-Cu-64g
29-Cu-65g
30-Zn-60g
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
80
100
120
140
160
180
200
12
Incident Energy (MeV)
38-Sr-85


MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
80
100
120
140
160
180
200
Incident Energy (MeV)
30-Zn-61g
30-Zn-61m1
30-Zn-61m2
30-Zn-61m3
30-Zn-62g
30-Zn-63g
30-Zn-64g
30-Zn-65g
30-Zn-66g
30-Zn-67g
31-Ga-62g

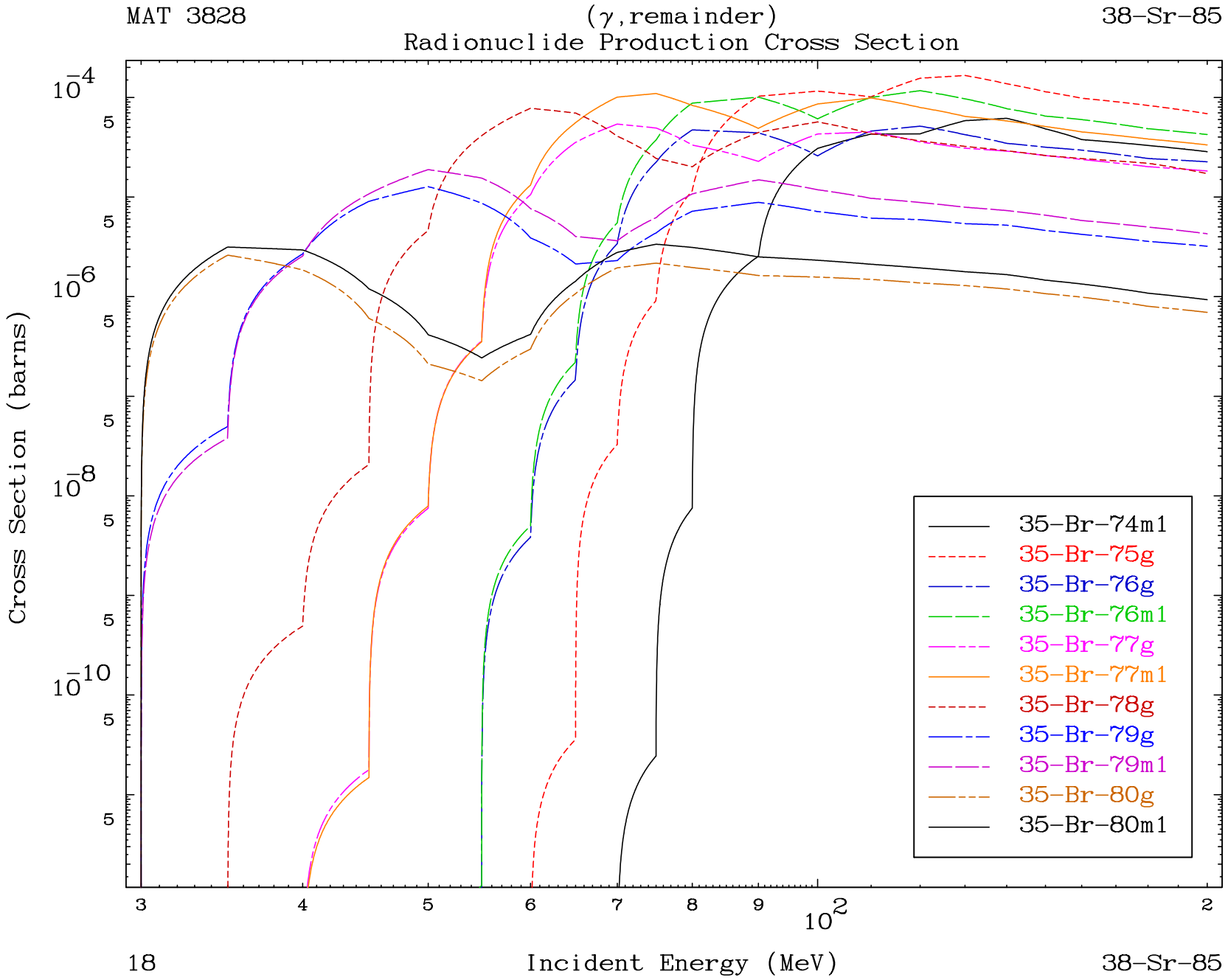

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
80
100
120
140
160
180
200
Incident Energy (MeV)
31-Ga-63g
31-Ga-64g
31-Ga-65g
31-Ga-66g
31-Ga-67g
31-Ga-68g
31-Ga-69g
31-Ga-70g
32-Ge-65g
32-Ge-66g
32-Ge-67g


MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
50
100
150
200
15
Incident Energy (MeV)
38-Sr-85
32-Ge-68g
32-Ge-69g
32-Ge-70g
32-Ge-71g
32-Ge-72g
33-As-67g
33-As-68g
33-As-69g
33-As-70g
33-As-71g
33-As-72g

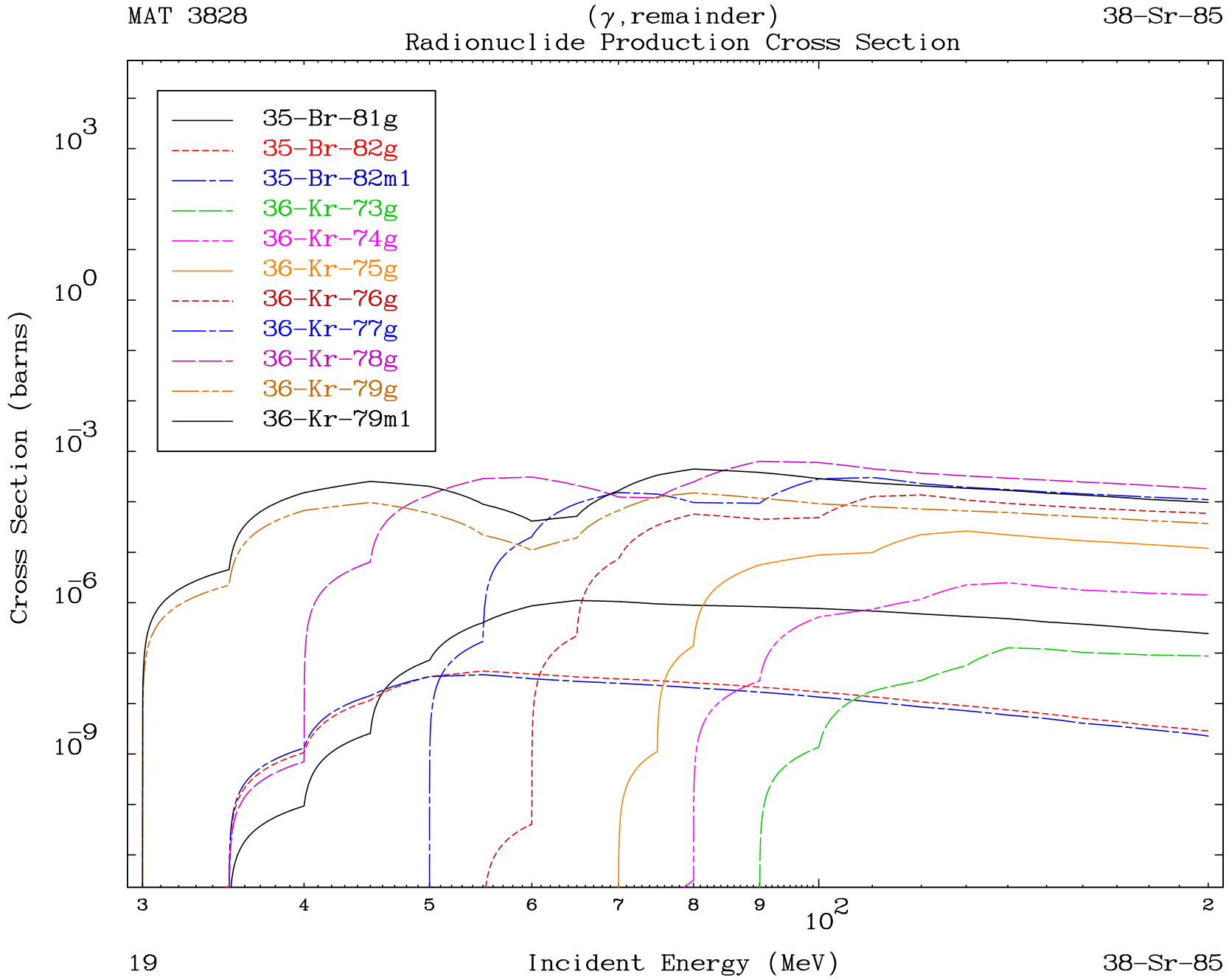

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10^-12
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
16
38-Sr-85
33-As-73g
33-As-74g
33-As-75g
34-Se-69g
34-Se-70g
34-Se-71g
34-Se-72g
34-Se-73g
34-Se-73m1
34-Se-74g
34-Se-75g

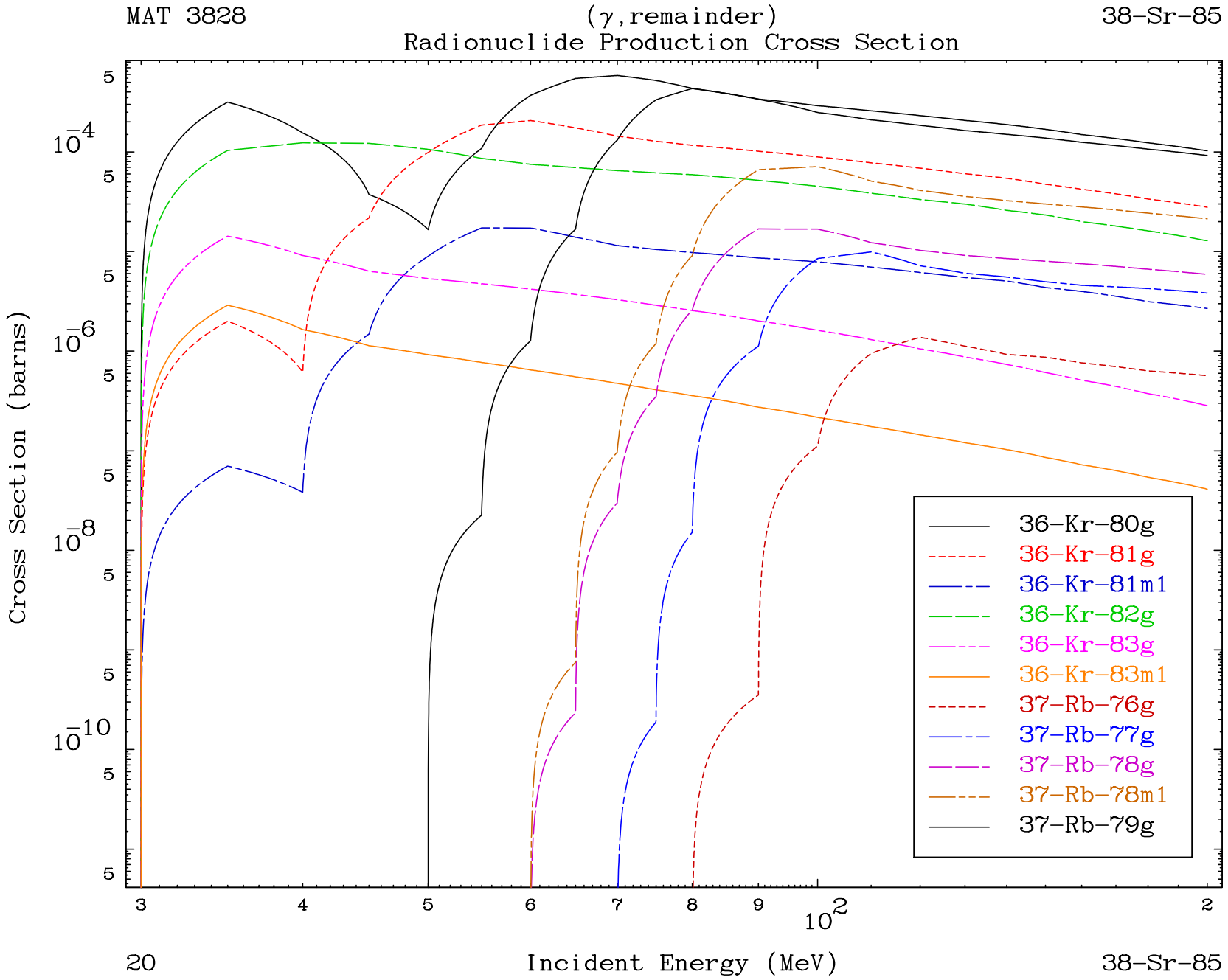

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-6
10-8
10-10
10-12
5
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
34-Se-76g
34-Se-77g
34-Se-77m1
34-Se-78g
34-Se-79g
34-Se-79m1
35-Br-71g
35-Br-72g
35-Br-72m1
35-Br-73g
35-Br-74g

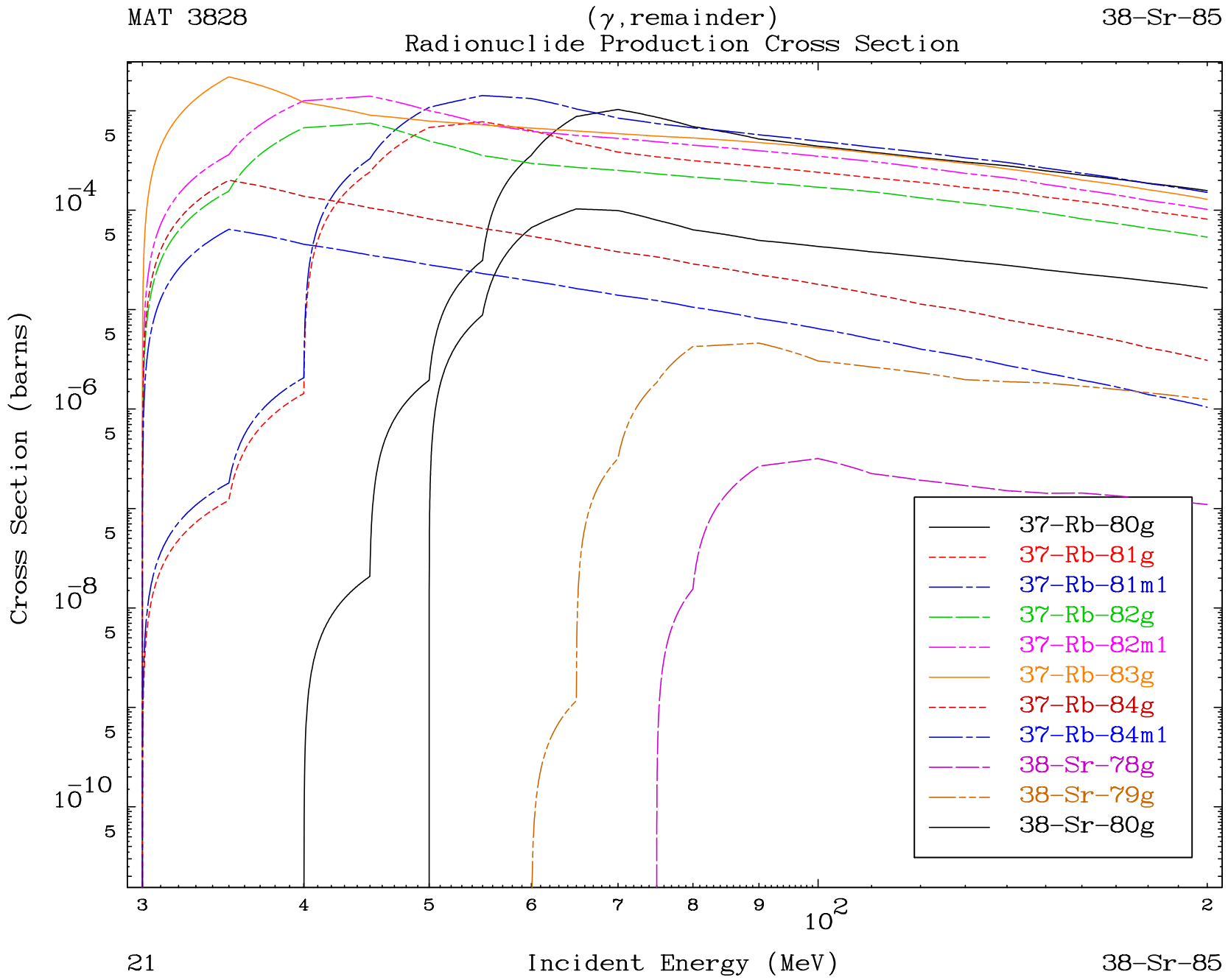
38-Sr-85

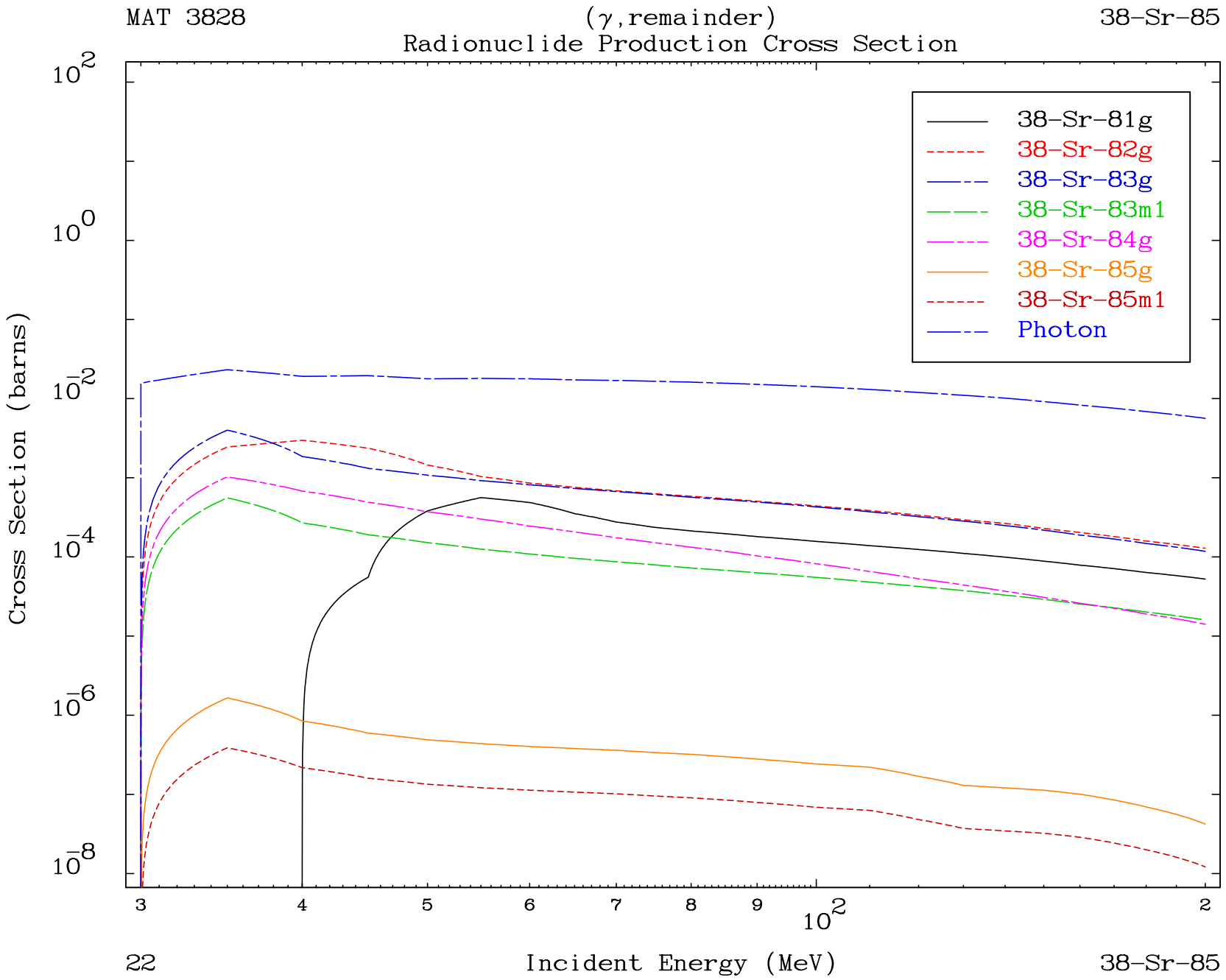

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
35-Br-74m1
35-Br-75g
35-Br-76g
35-Br-76m1
35-Br-77g
35-Br-77m1
35-Br-78g
35-Br-79g
35-Br-79m1
35-Br-80g
35-Br-80m1

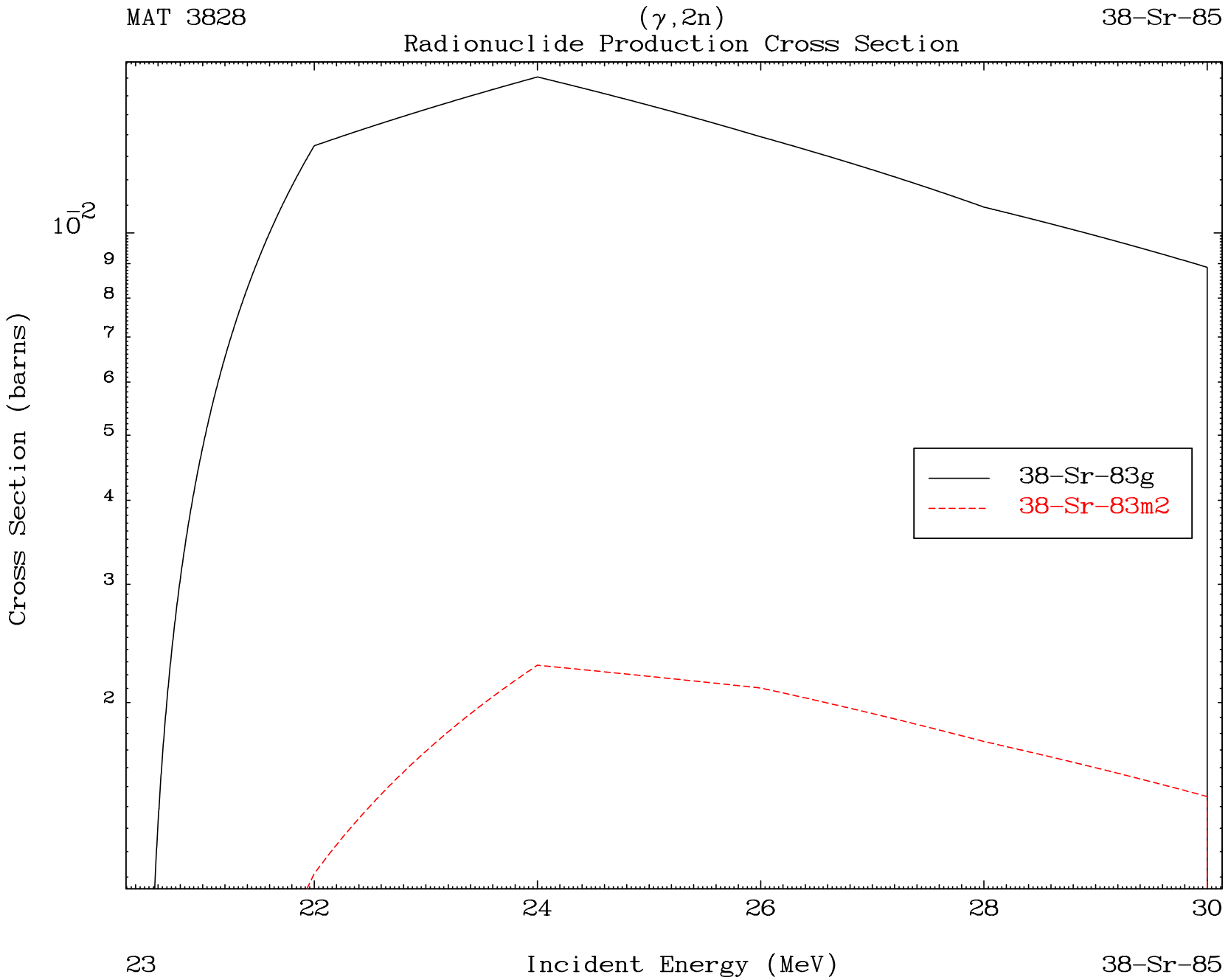
38-Sr-85

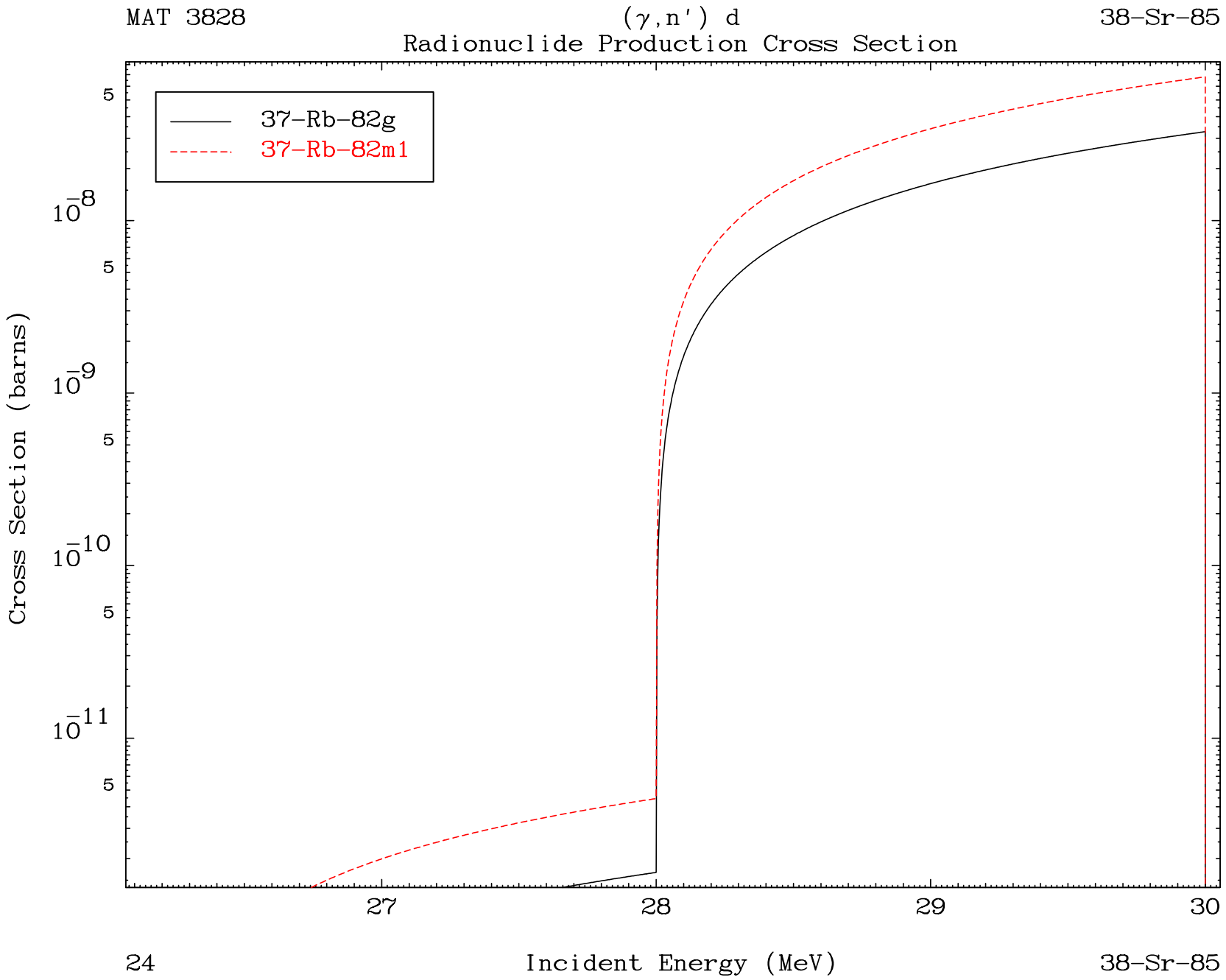

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
35-Br-81g
35-Br-82g
35-Br-82m1
36-Kr-73g
36-Kr-74g
36-Kr-75g
36-Kr-76g
36-Kr-77g
36-Kr-78g
36-Kr-79g
36-Kr-79m1
Cross Section (barns)
10^3
10^0
10^-3
10^-6
10^-9
3
4
5
6
7
8
9
10^2
2
19
Incident Energy (MeV)
38-Sr-85

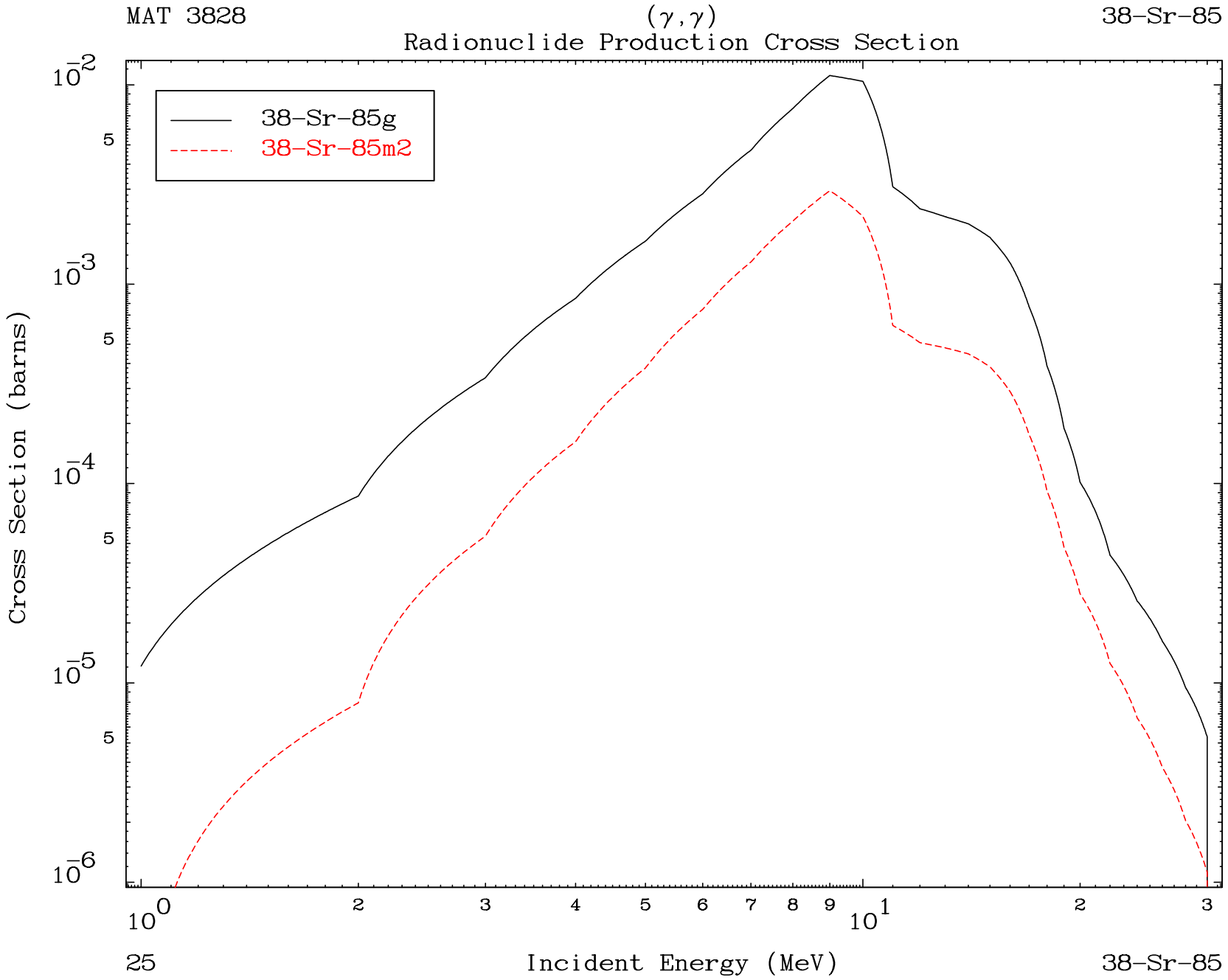

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
20
38-Sr-85
36-Kr-80g
36-Kr-81g
36-Kr-81m1
36-Kr-82g
36-Kr-83g
36-Kr-83m1
37-Rb-76g
37-Rb-77g
37-Rb-78g
37-Rb-78m1
37-Rb-79g

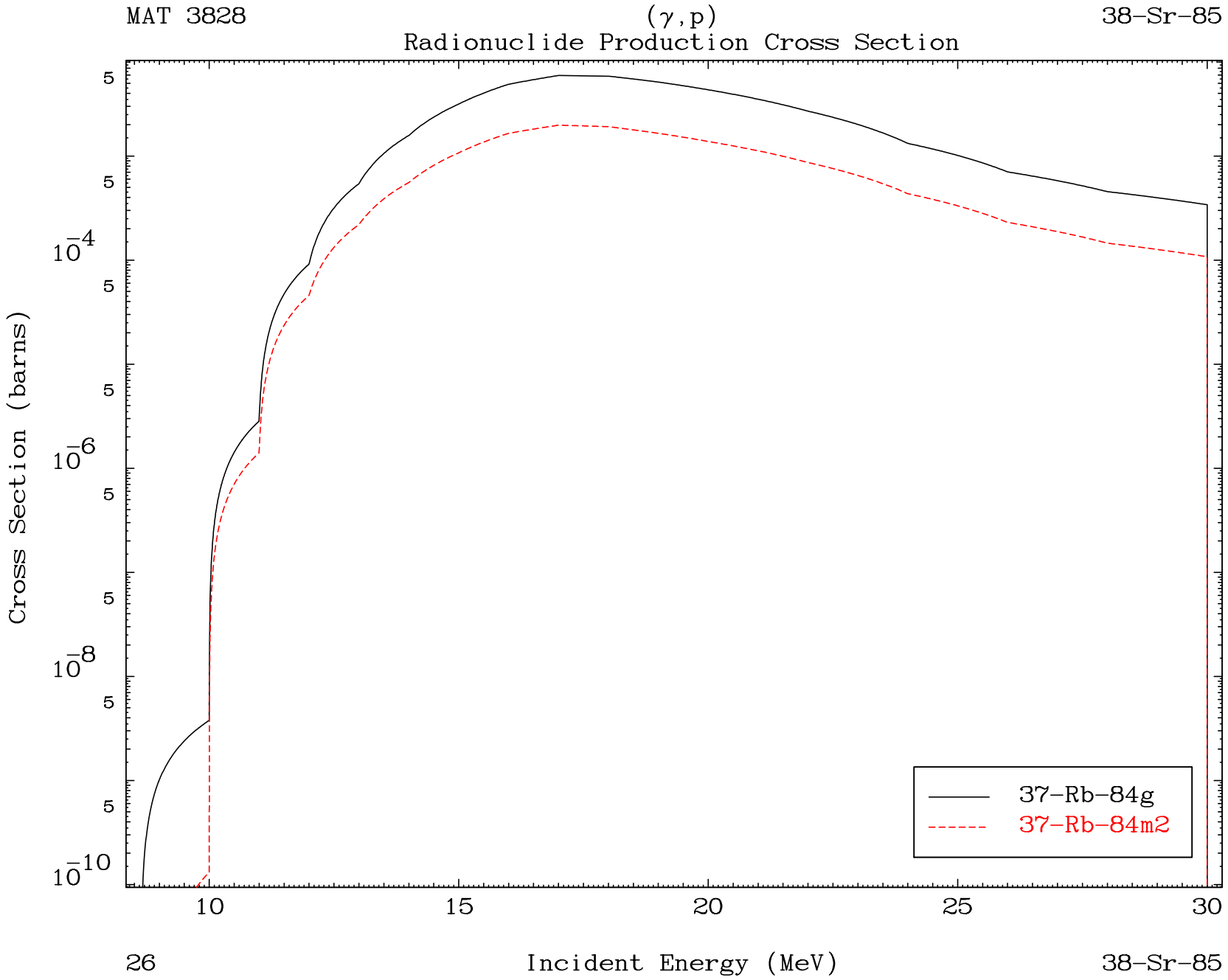

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-4
10-6
10-8
10-10
3
4
5
6
7
8
9
10 2
2
Incident Energy (MeV)
21
38-Sr-85
37-Rb-80g
37-Rb-81g
37-Rb-81m1
37-Rb-82g
37-Rb-82m1
37-Rb-83g
37-Rb-84g
37-Rb-84m1
38-Sr-78g
38-Sr-79g
38-Sr-80g

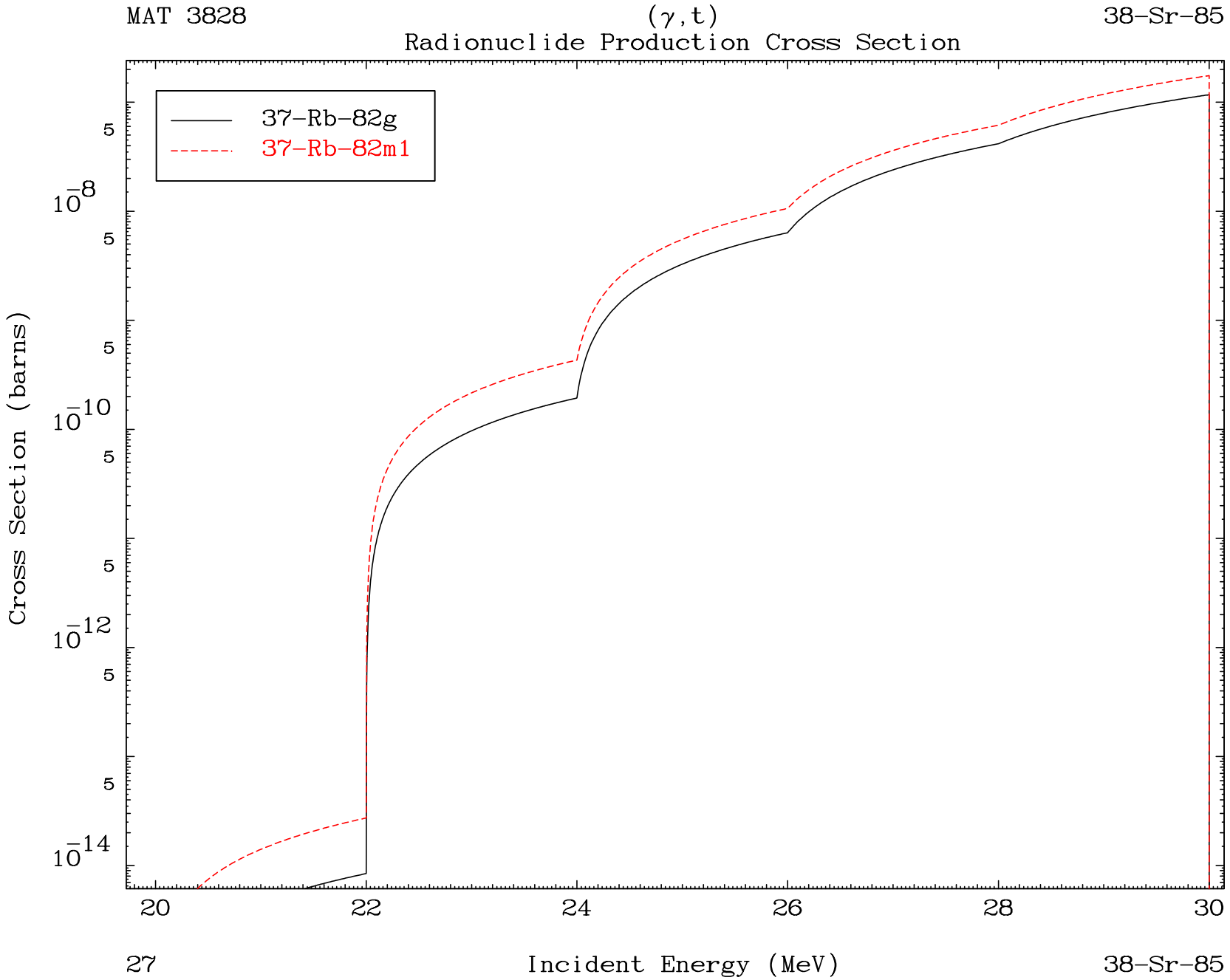

MAT 3828
(γ,remainder)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
10^-6
10^-8
38-Sr-81g
38-Sr-82g
38-Sr-83g
38-Sr-83m1
38-Sr-84g
38-Sr-85g
38-Sr-85m1
Photon
3
4
5
6
7
8
9
10^2
2
22
Incident Energy (MeV)
38-Sr-85

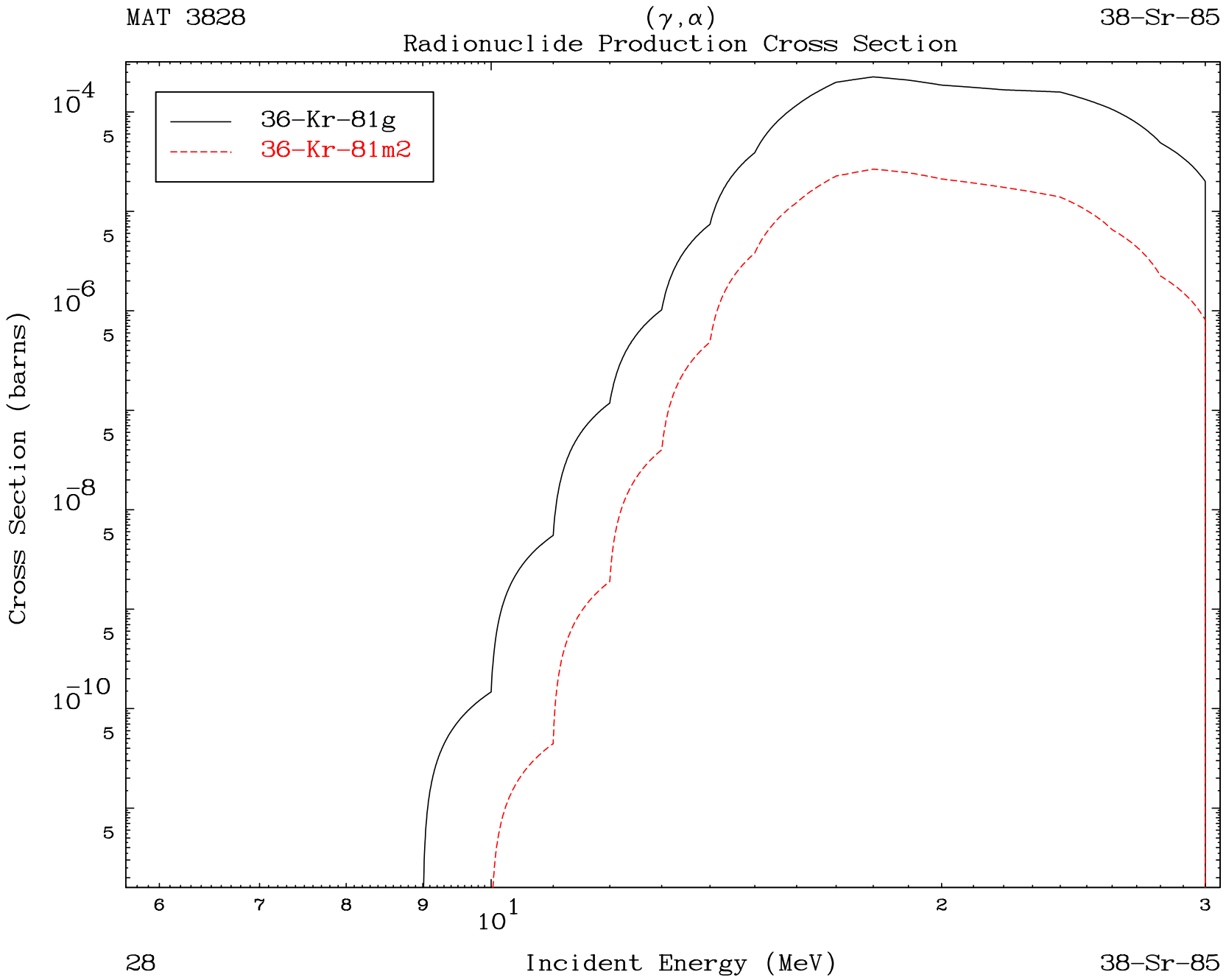

MAT 3828
(γ,2n)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10-2
9
8
7
6
5
4
3
2
22
24
26
28
30
38-Sr-83g
38-Sr-83m2
23
Incident Energy (MeV)
38-Sr-85

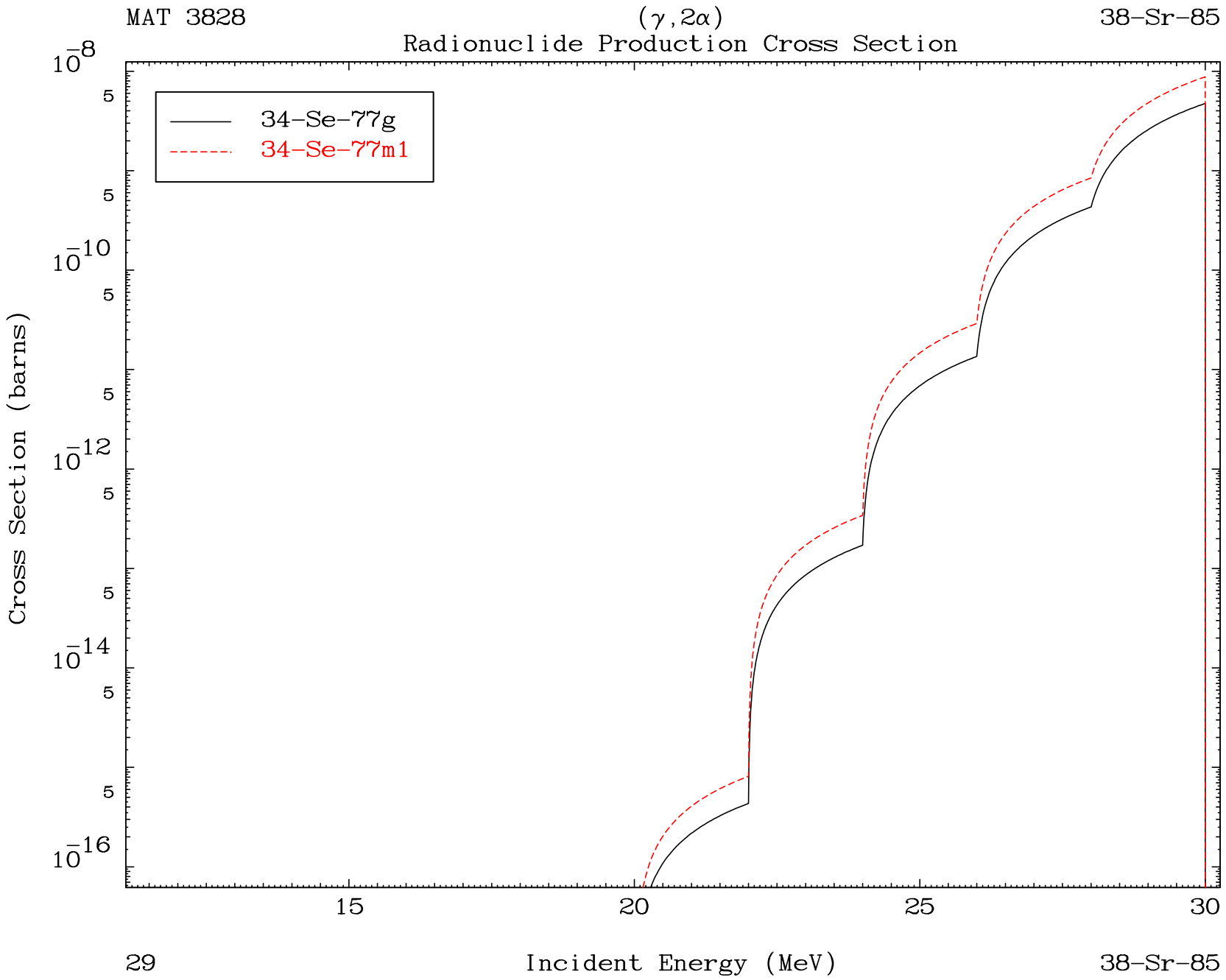

MAT 3828
(γ,n') d
38-Sr-85
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-8
10-9
10-10
10-11
5
27
28
29
30
24
Incident Energy (MeV)
38-Sr-85

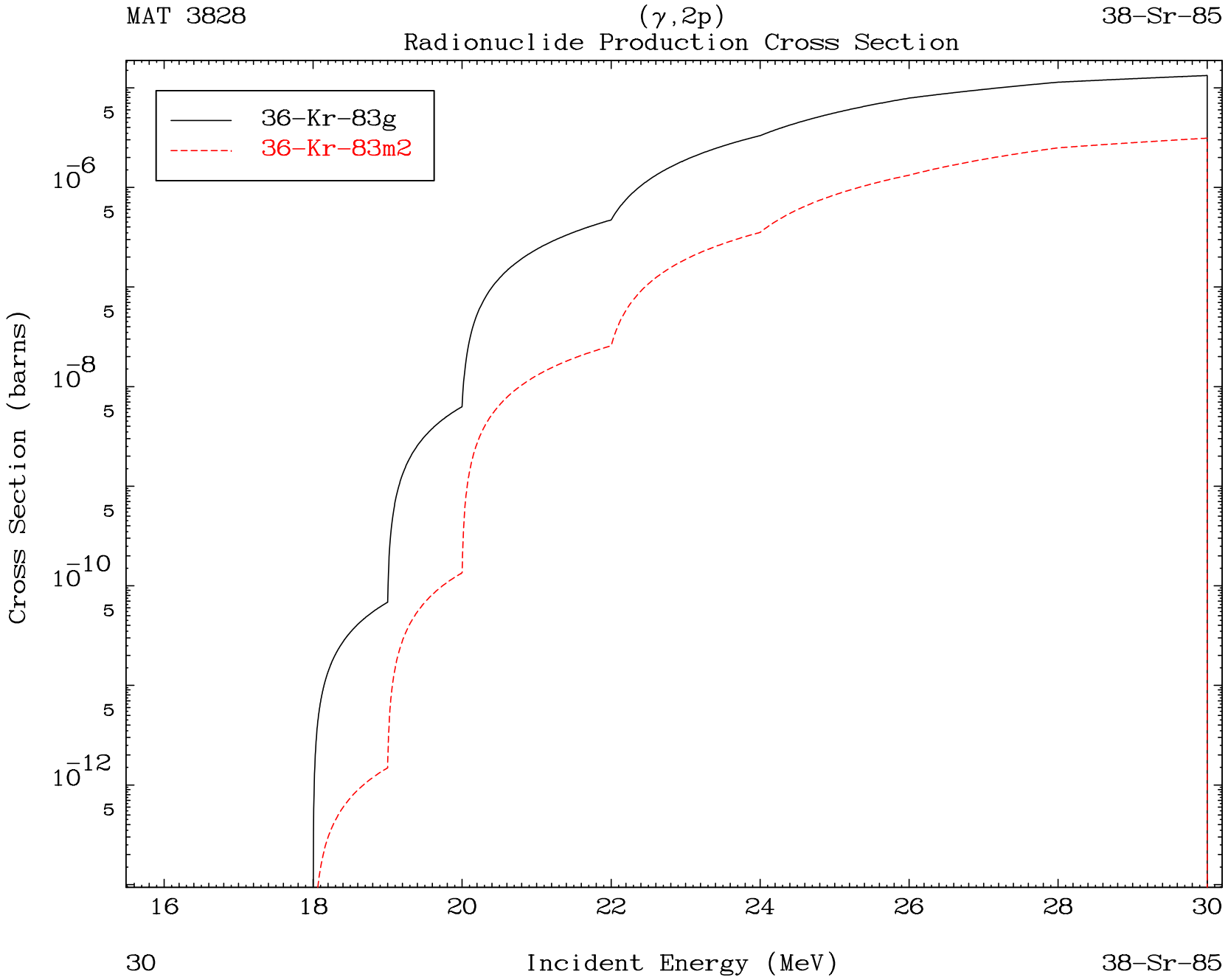

MAT 3828
(γ,γ)
38-Sr-85
Radionuclide Production Cross Section
38-Sr-85g
38-Sr-85m2
Cross Section (barns)
10-2
5
10-3
5
10-4
5
10-5
5
10-6
100
2
3
4
5
6
7
8
9
101
2
3
25
Incident Energy (MeV)
38-Sr-85

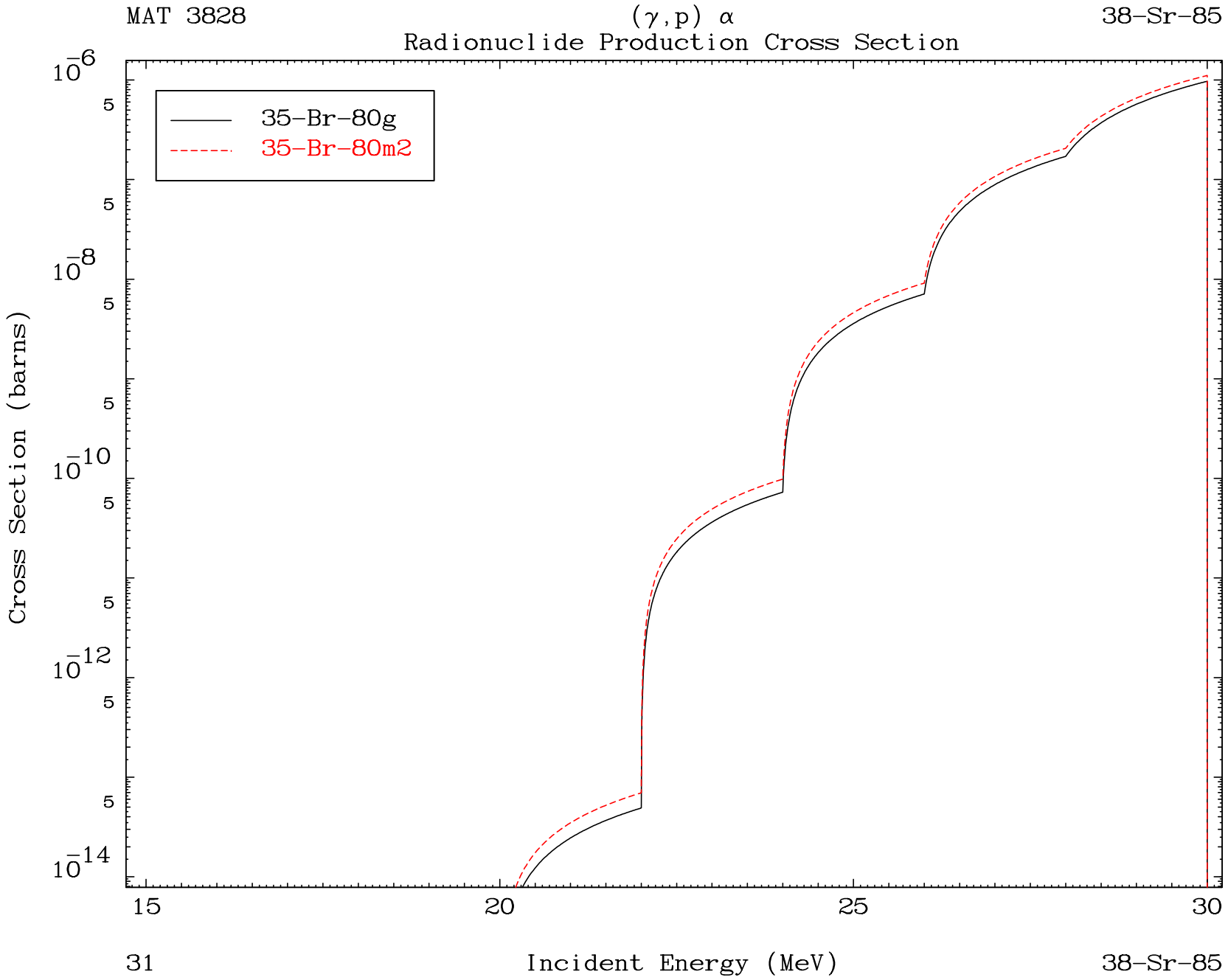

MAT 3828
(γ,p)
38-Sr-85
Radionuclide Production Cross Section
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
10
15
20
25
30
Incident Energy (MeV)
37-Rb-84g
37-Rb-84m2
26
38-Sr-85


MAT 3828
(γ,t)
38-Sr-85
Radionuclide Production Cross Section
37-Rb-82g
37-Rb-82m1
Cross Section (barns)
10-8
10-10
10-12
10-14
5
20
22
24
26
28
30
27
Incident Energy (MeV)
38-Sr-85


MAT 3828
(γ,α)
38-Sr-85
Radionuclide Production Cross Section
36-Kr-81g
36-Kr-81m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
6
7
8
9
10 1
2
3
28
Incident Energy (MeV)
38-Sr-85


MAT 3828
(γ,2α)
38-Sr-85
Radionuclide Production Cross Section
34-Se-77g
34-Se-77m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
10^-16
15
20
25
30
29
Incident Energy (MeV)
38-Sr-85


MAT 3828
(γ,2p)
38-Sr-85
Radionuclide Production Cross Section
36-Kr-83g
36-Kr-83m2
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
16
18
20
22
24
26
28
30
Incident Energy (MeV)
38-Sr-85


MAT 3828
(γ,p) α
38-Sr-85
Radionuclide Production Cross Section
35-Br-80g
35-Br-80m2
Cross Section (barns)
10-6
10-8
10-10
10-12
10-14
5
15
20
25
30
31
Incident Energy (MeV)
38-Sr-85