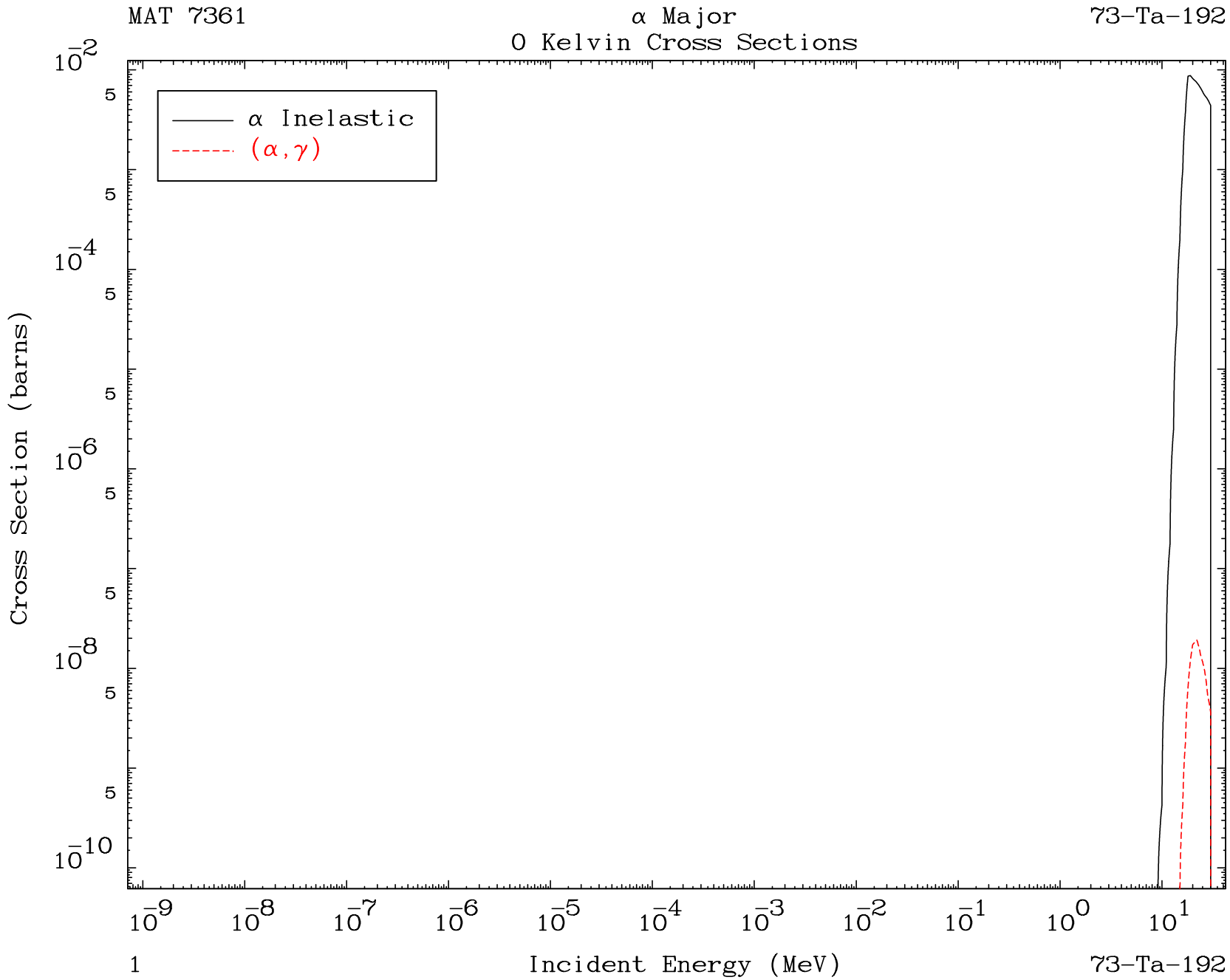
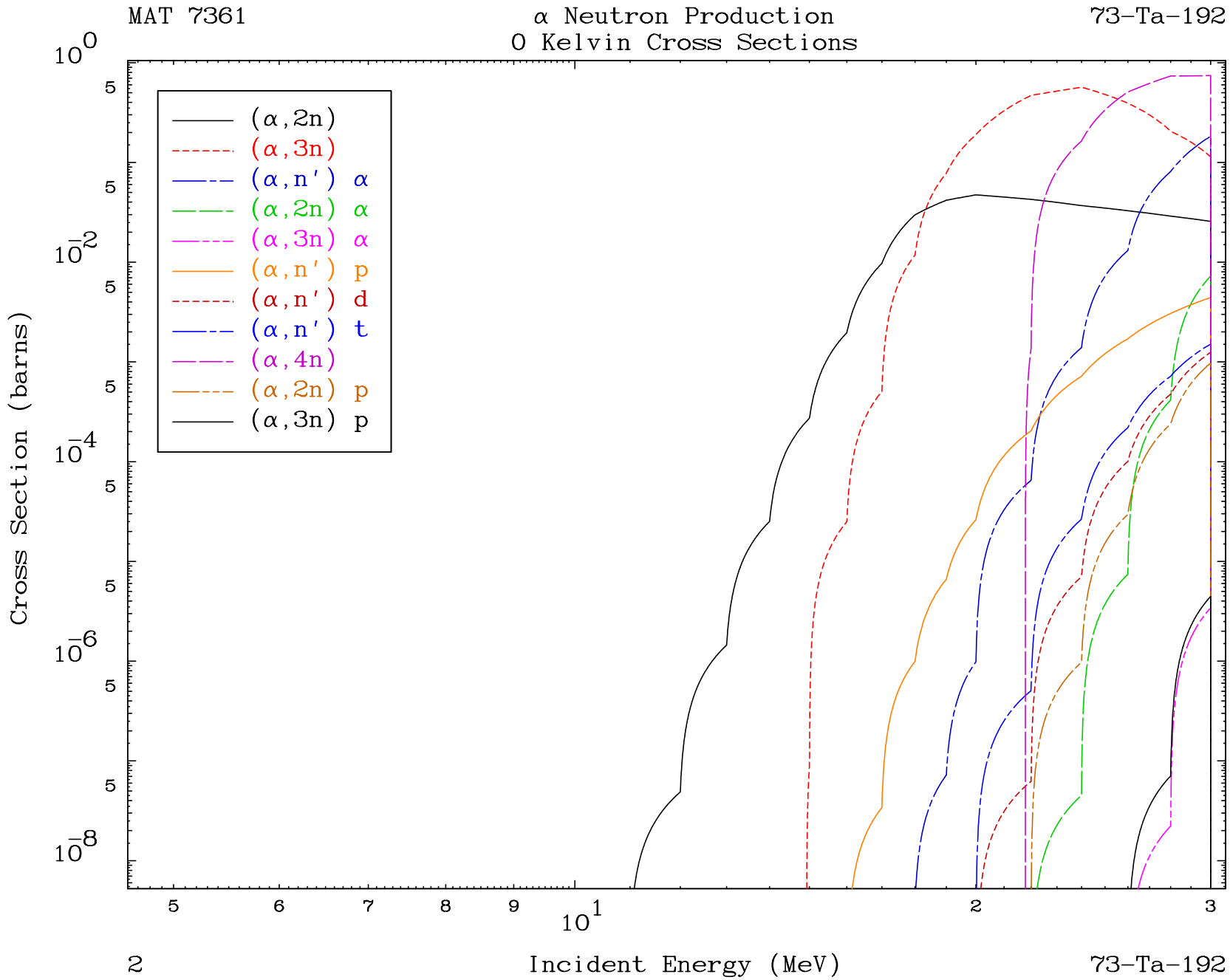
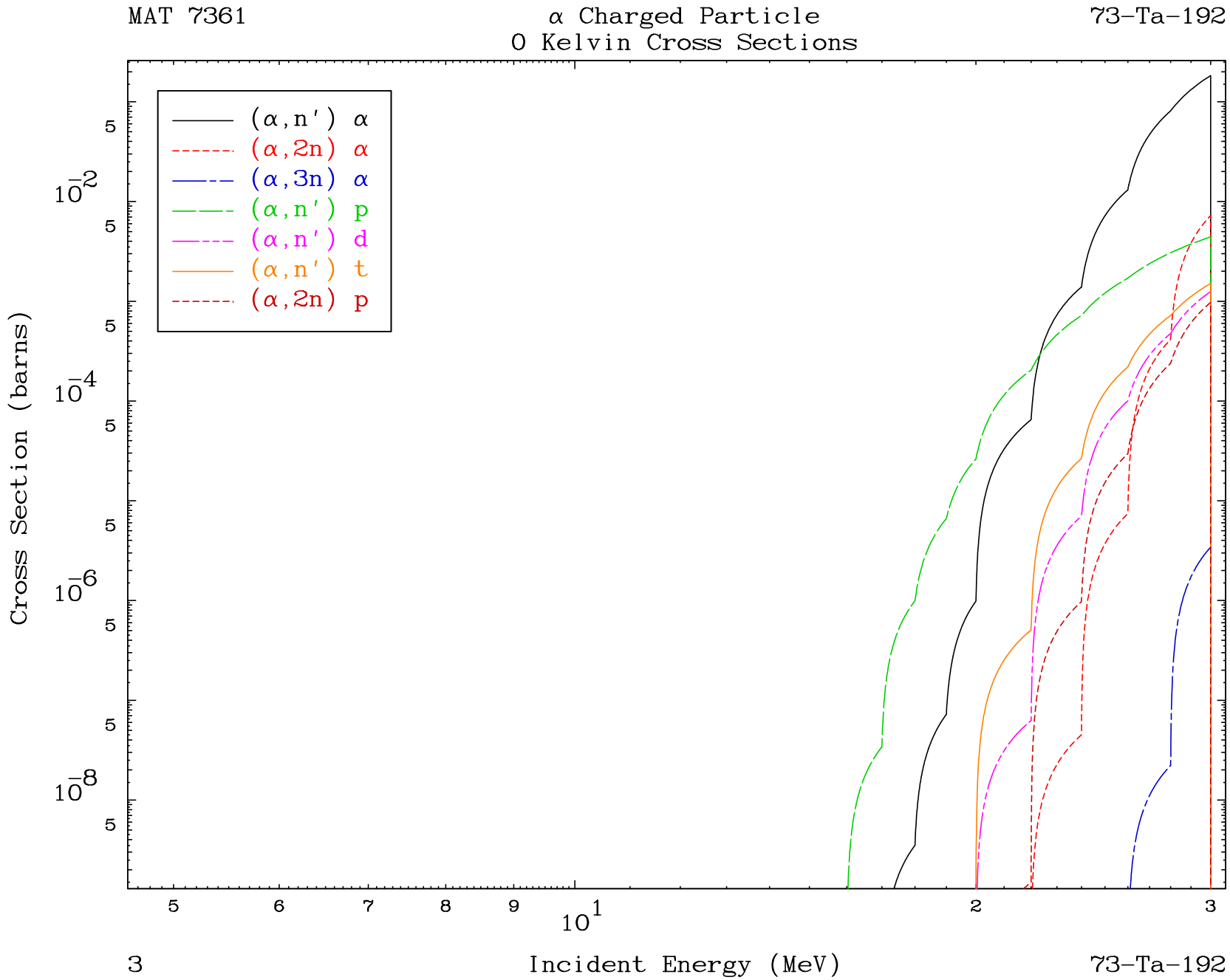
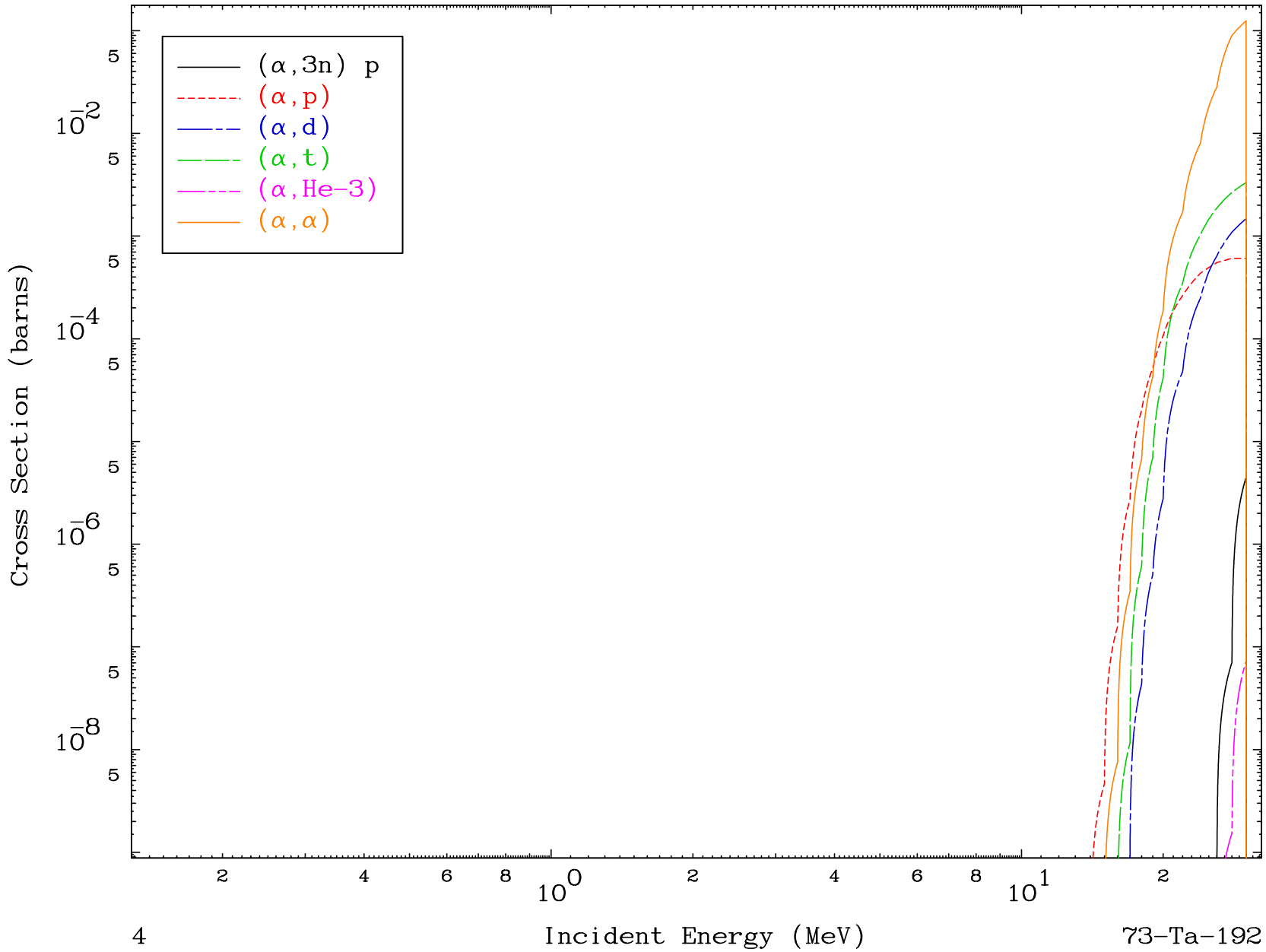
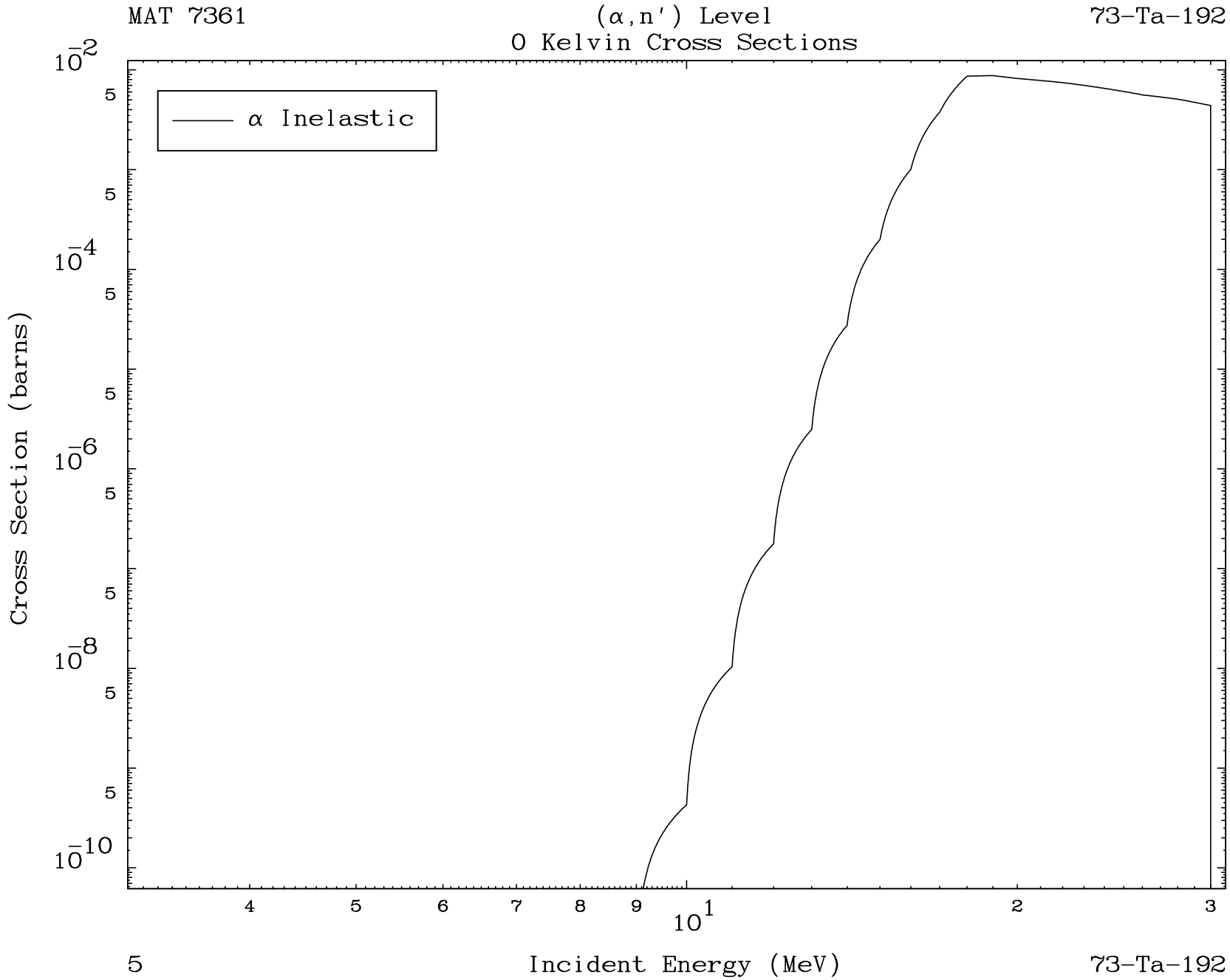

MAT 7361
α Major
73-Ta-192
0 Kelvin Cross Sections
α Inelastic
(α,γ)
Cross Section (barns)
Incident Energy (MeV)
73-Ta-192


MAT 7361
α Neutron Production
0 Kelvin Cross Sections
73-Ta-192
(α,2n)
(α,3n)
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,4n)
(α,2n) p
(α,3n) p
Cross Section (barns)
Incident Energy (MeV)
2
73-Ta-192

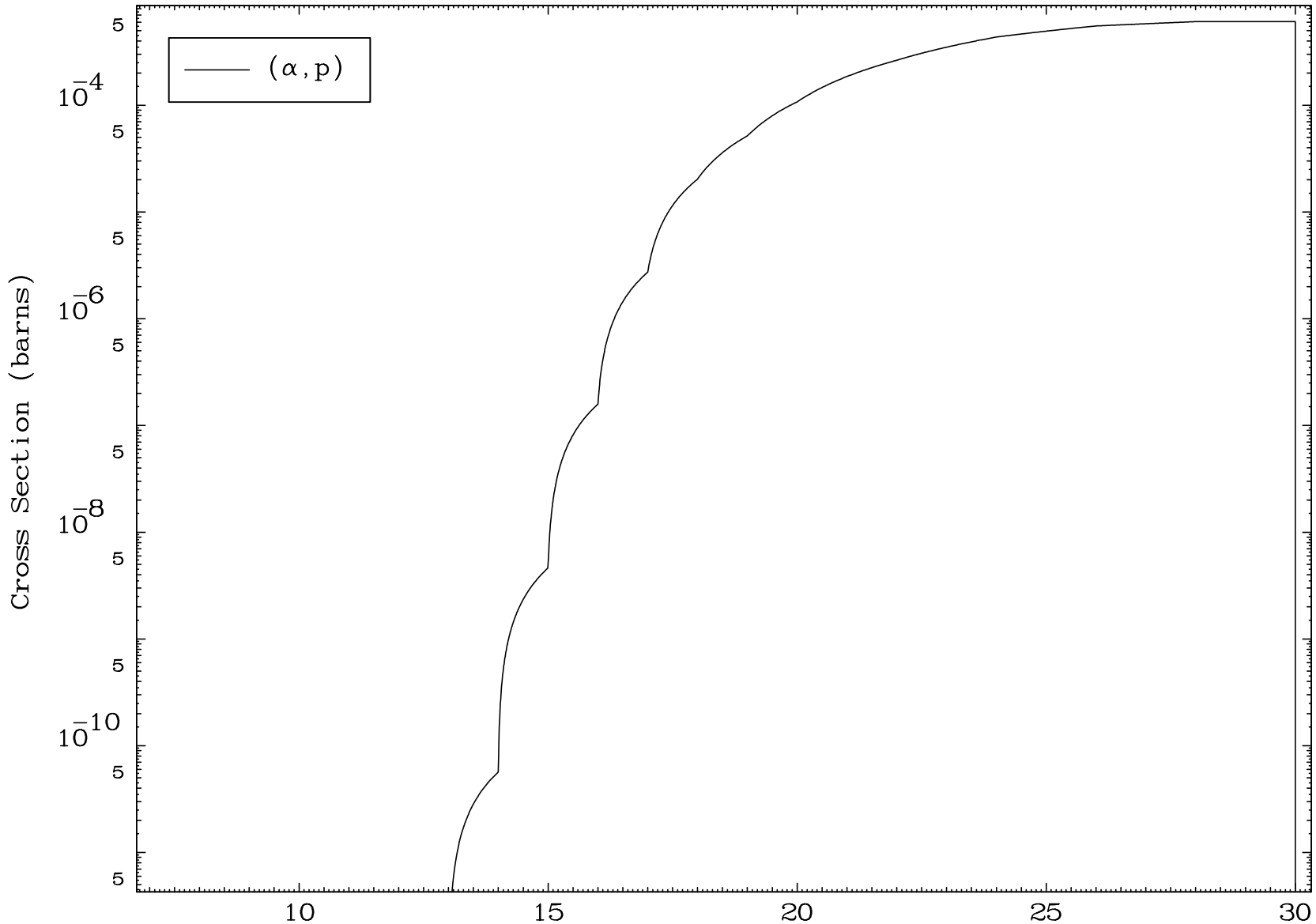

MAT 7361
α Charged Particle
0 Kelvin Cross Sections
73-Ta-192
(α,n') α
(α,2n) α
(α,3n) α
(α,n') p
(α,n') d
(α,n') t
(α,2n) p
Cross Section (barns)
Incident Energy (MeV)
3
73-Ta-192

0 Kelvin Cross Sections



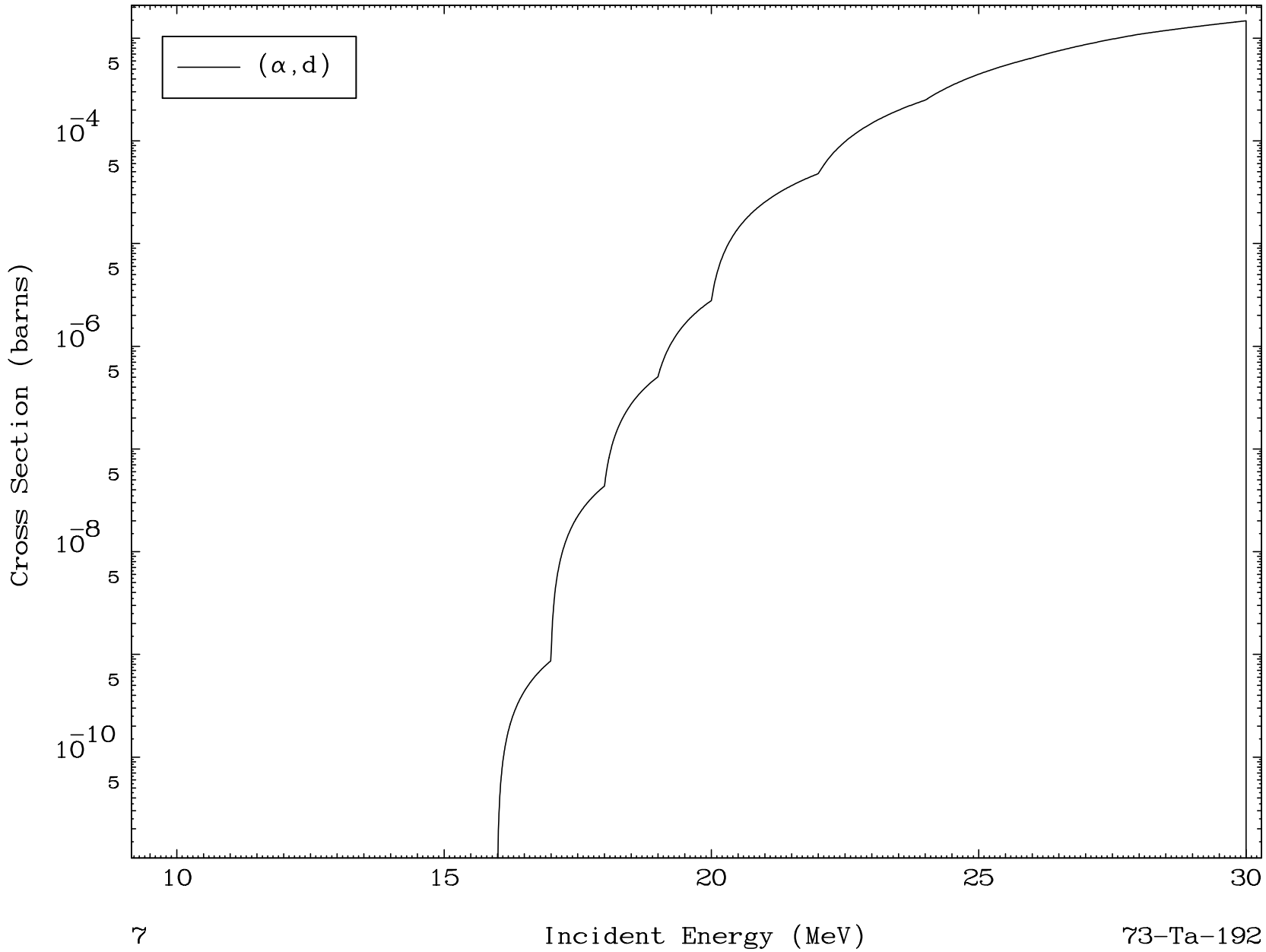

MAT 7361
(α,n') Level
73-Ta-192
0 Kelvin Cross Sections
α Inelastic
Cross Section (barns)
Incident Energy (MeV)
73-Ta-192
5

(α,p) Levels
0 Kelvin Cross Sections

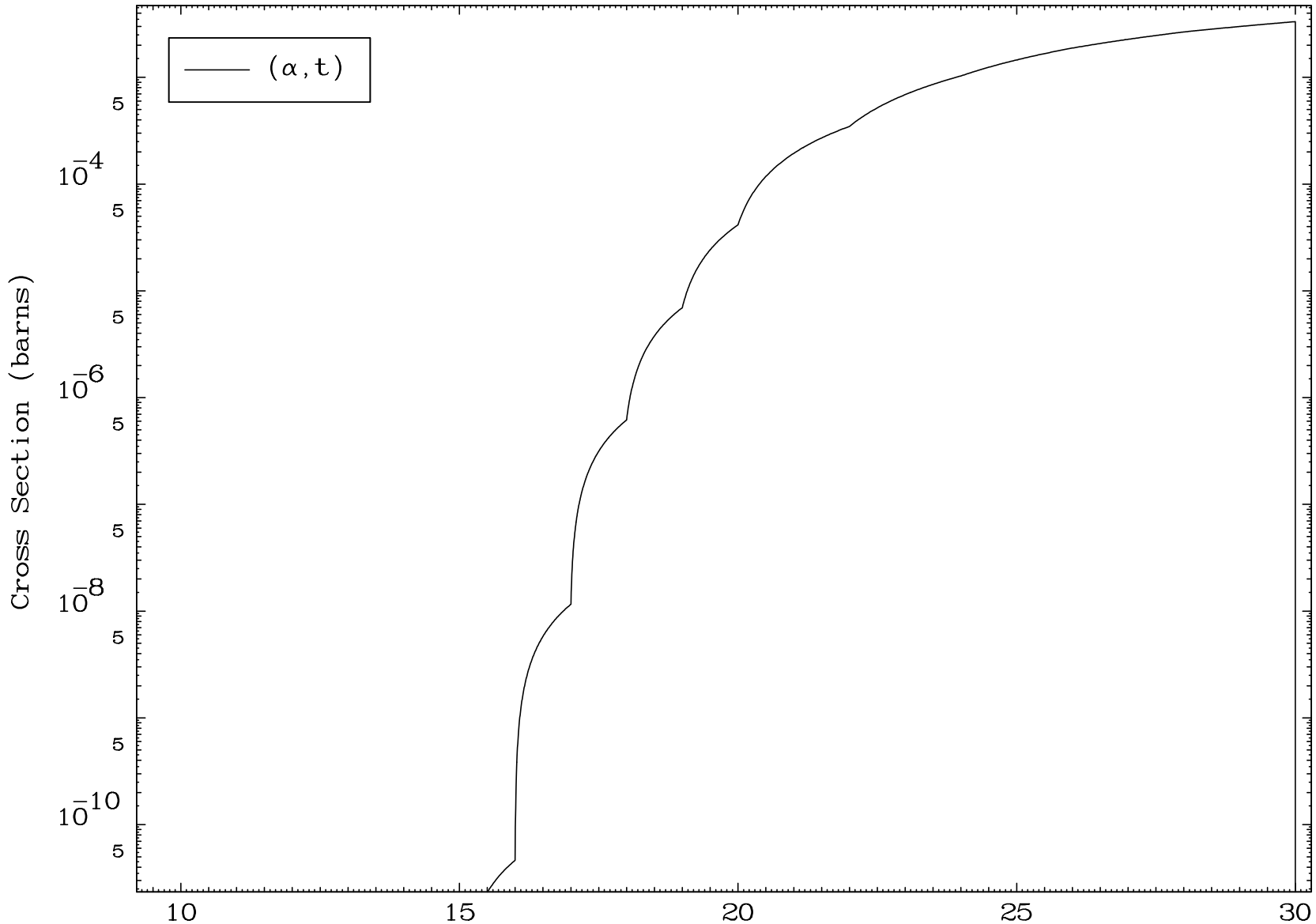


Incident Energy (MeV)

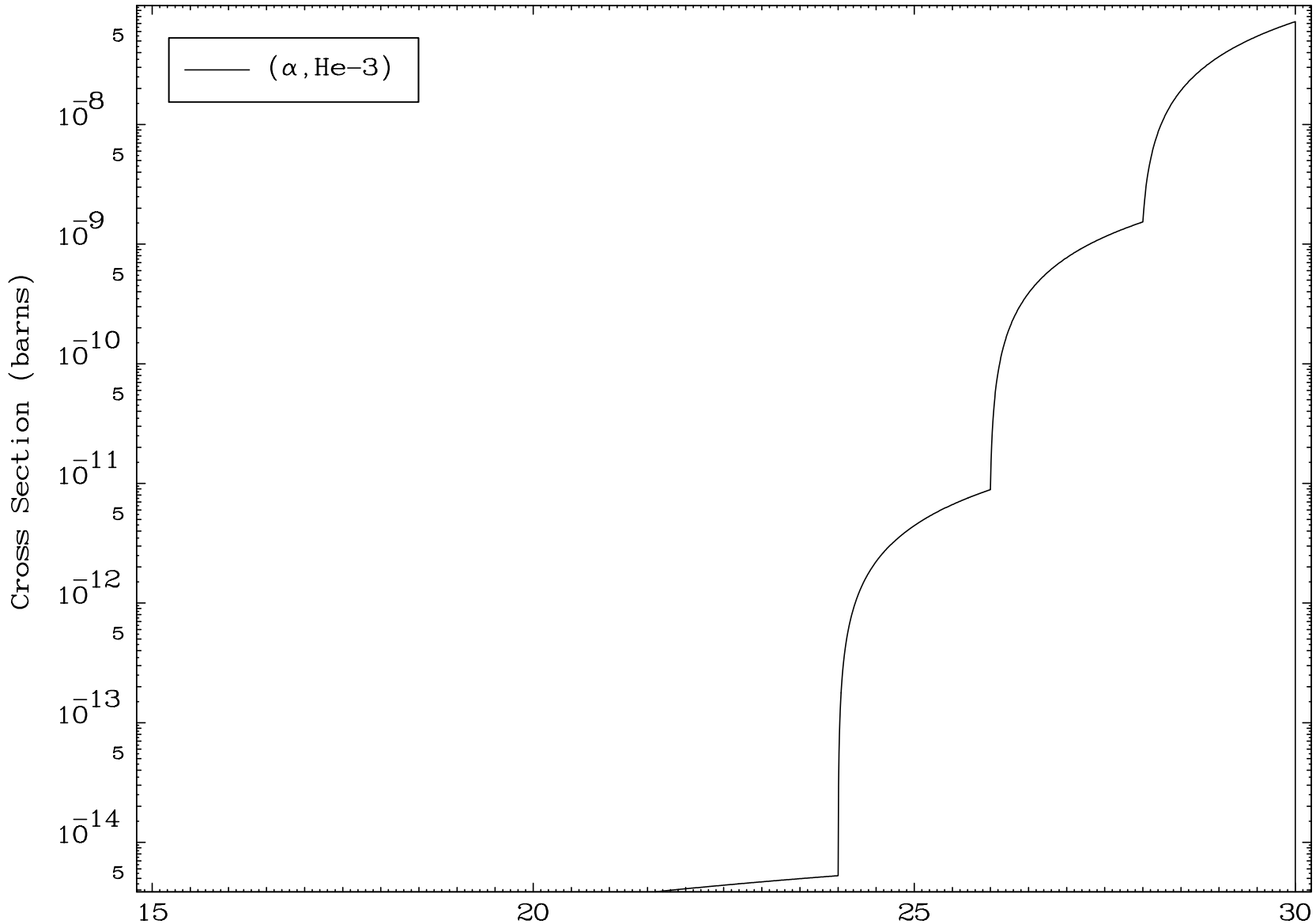
(α,d) Levels
0 Kelvin Cross Sections



0 Kelvin Cross Sections

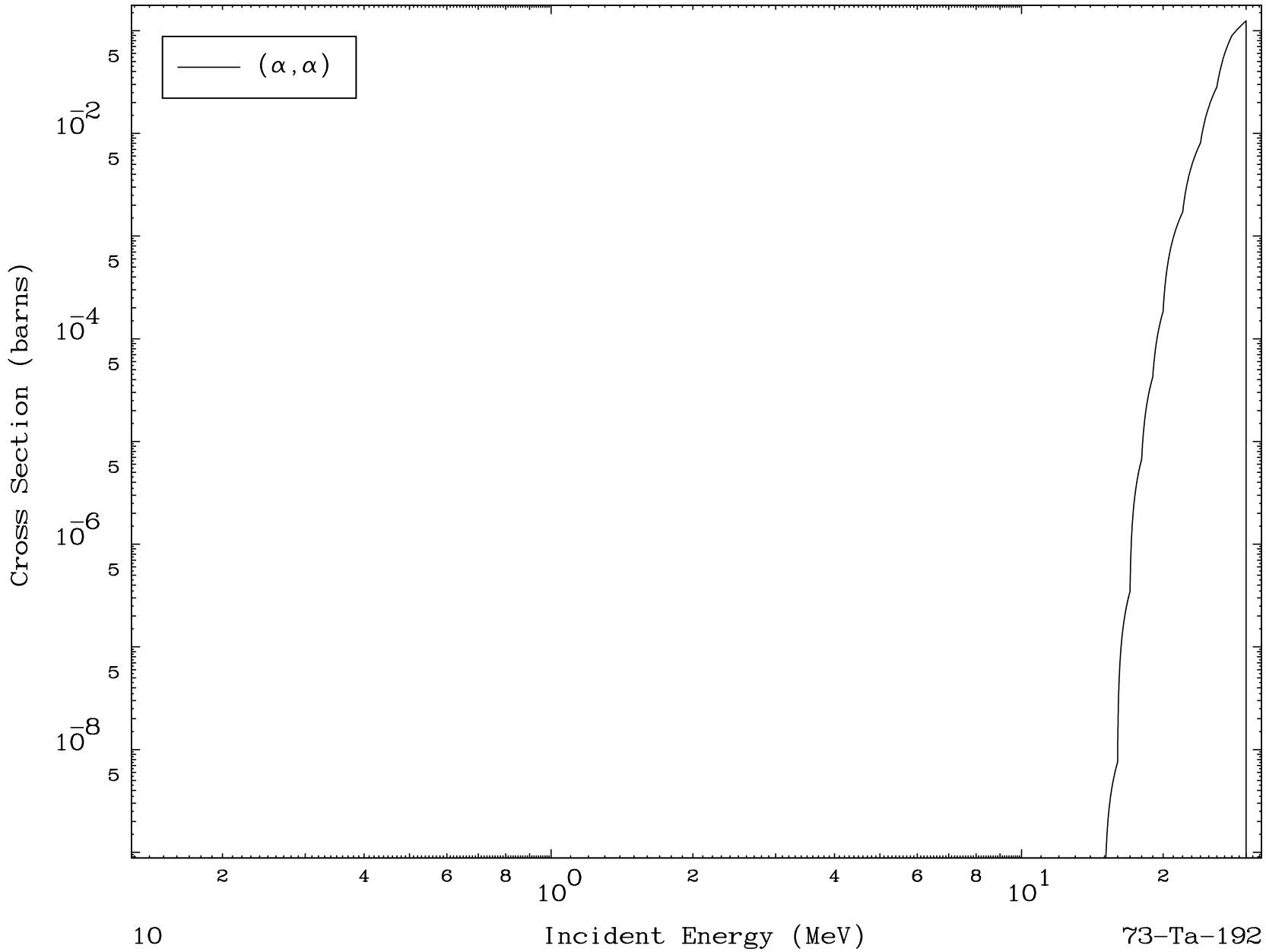


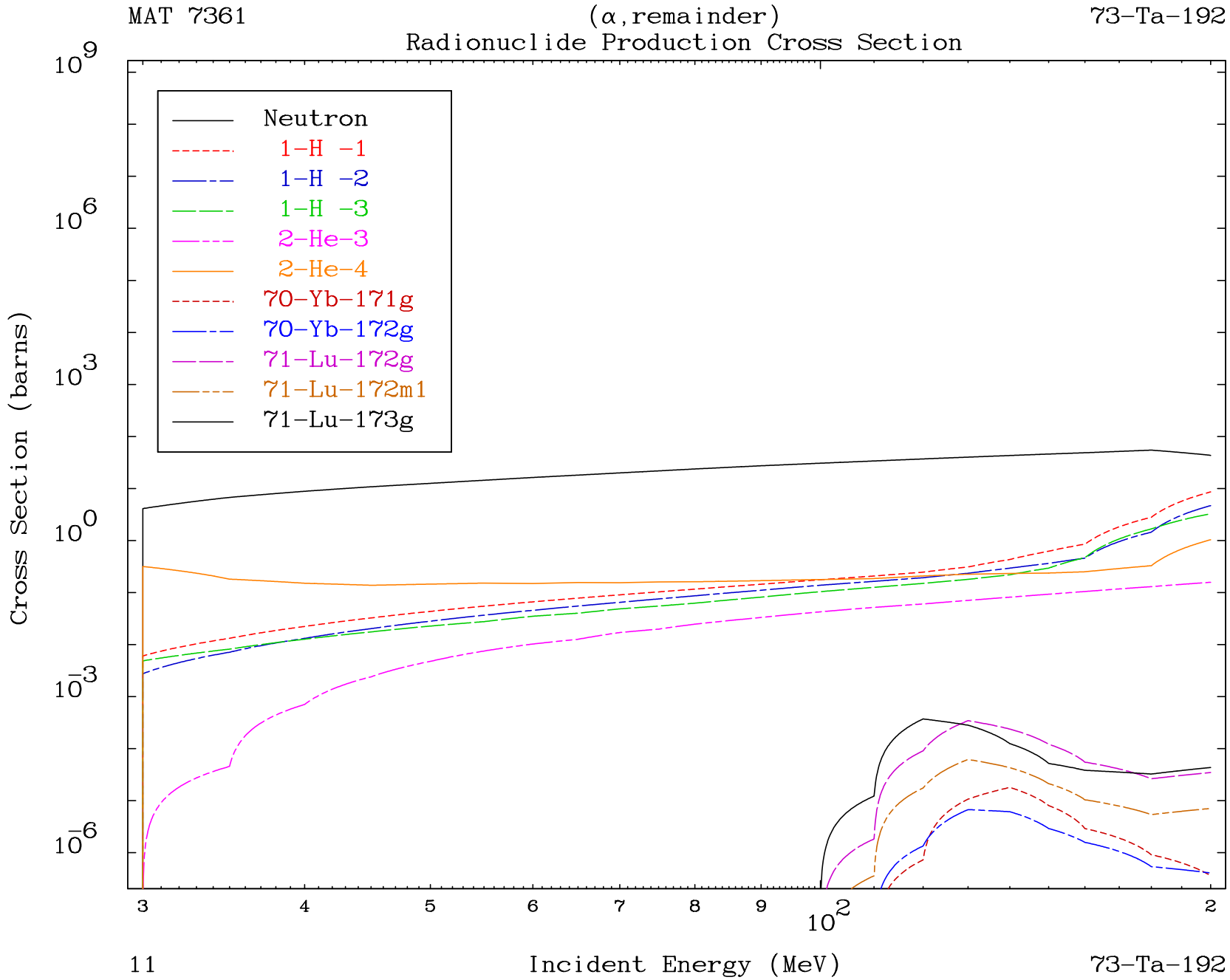
(α,He3) Levels
0 Kelvin Cross Sections

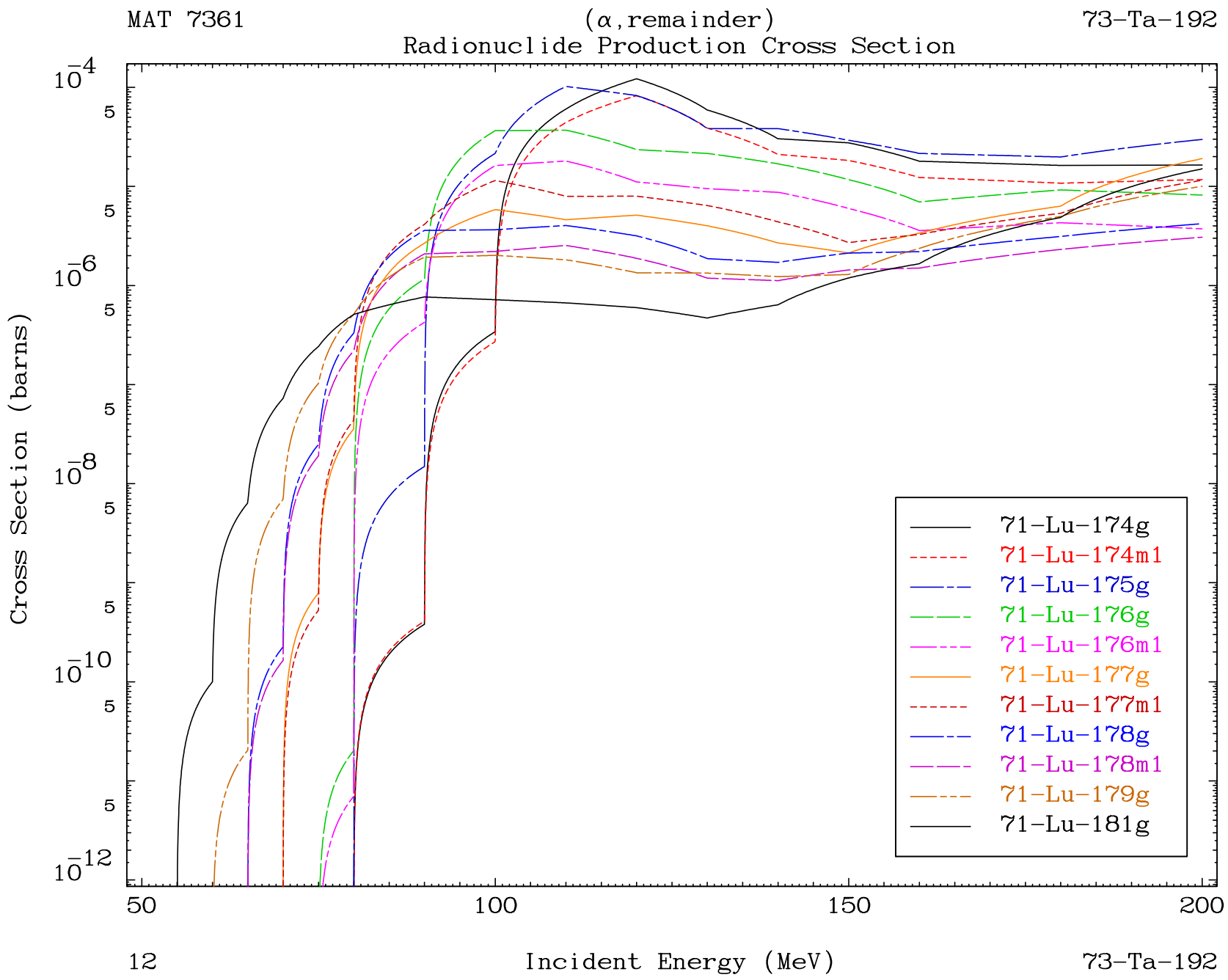


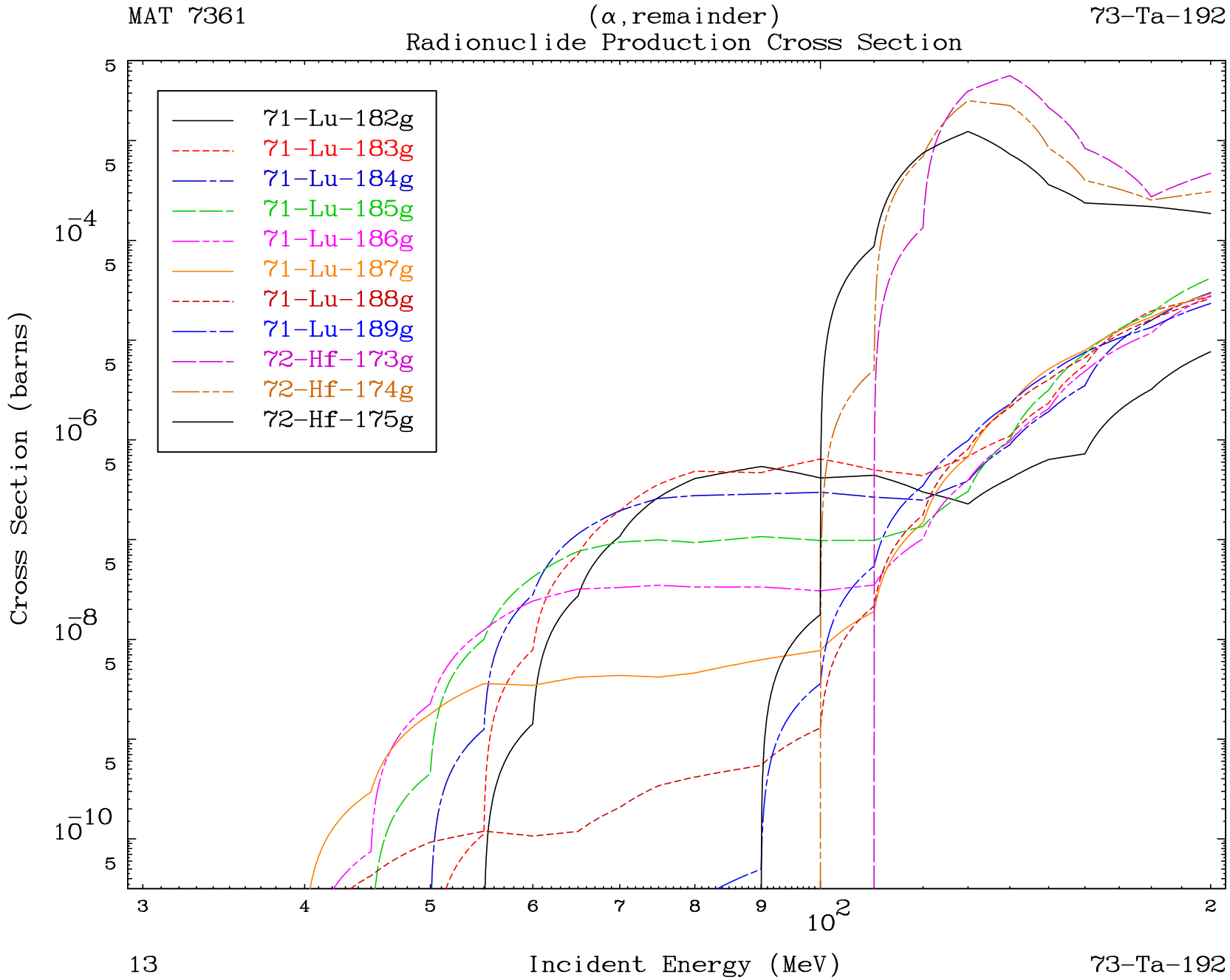
Incident Energy (MeV)

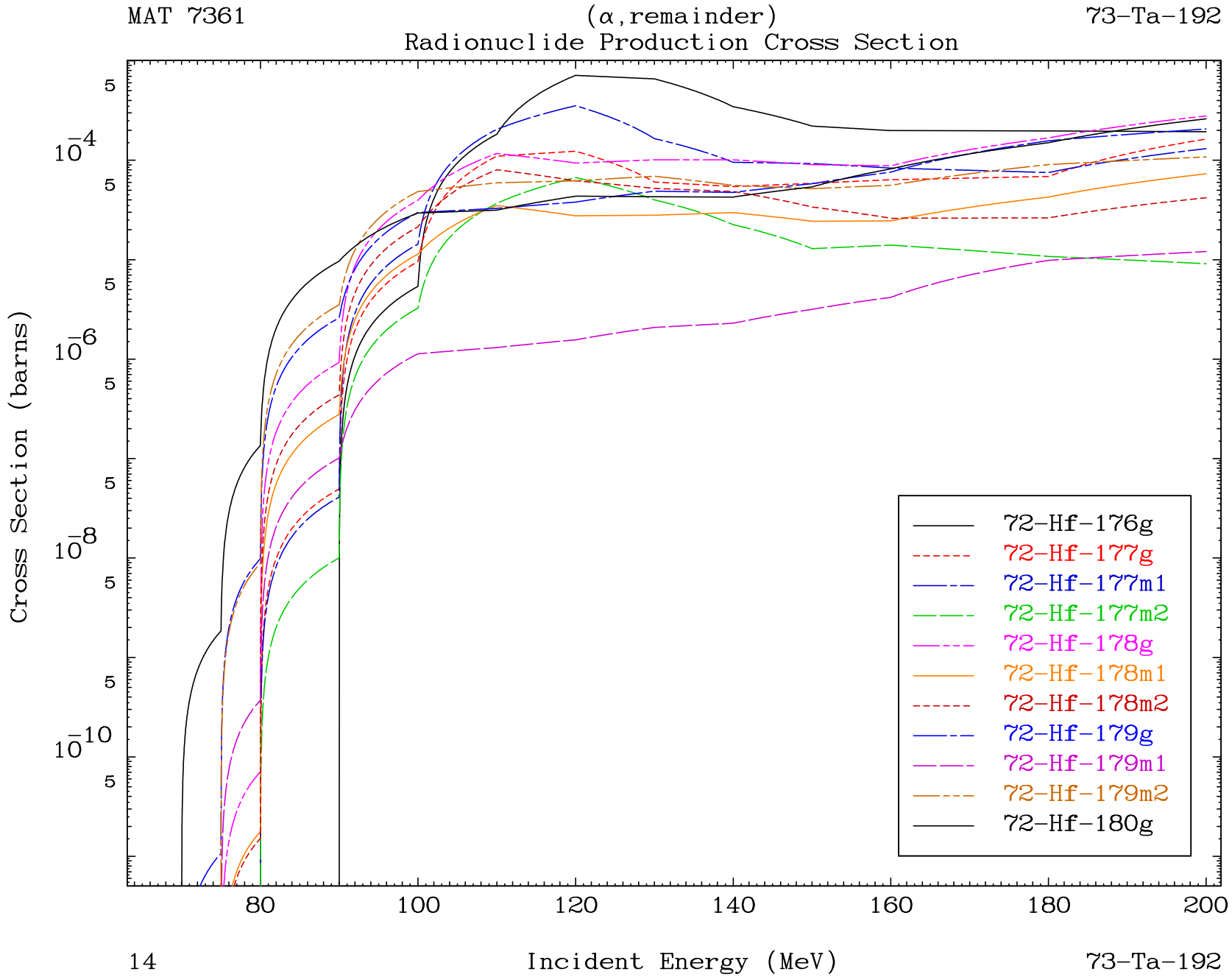
(α,α) Levels
0 Kelvin Cross Sections

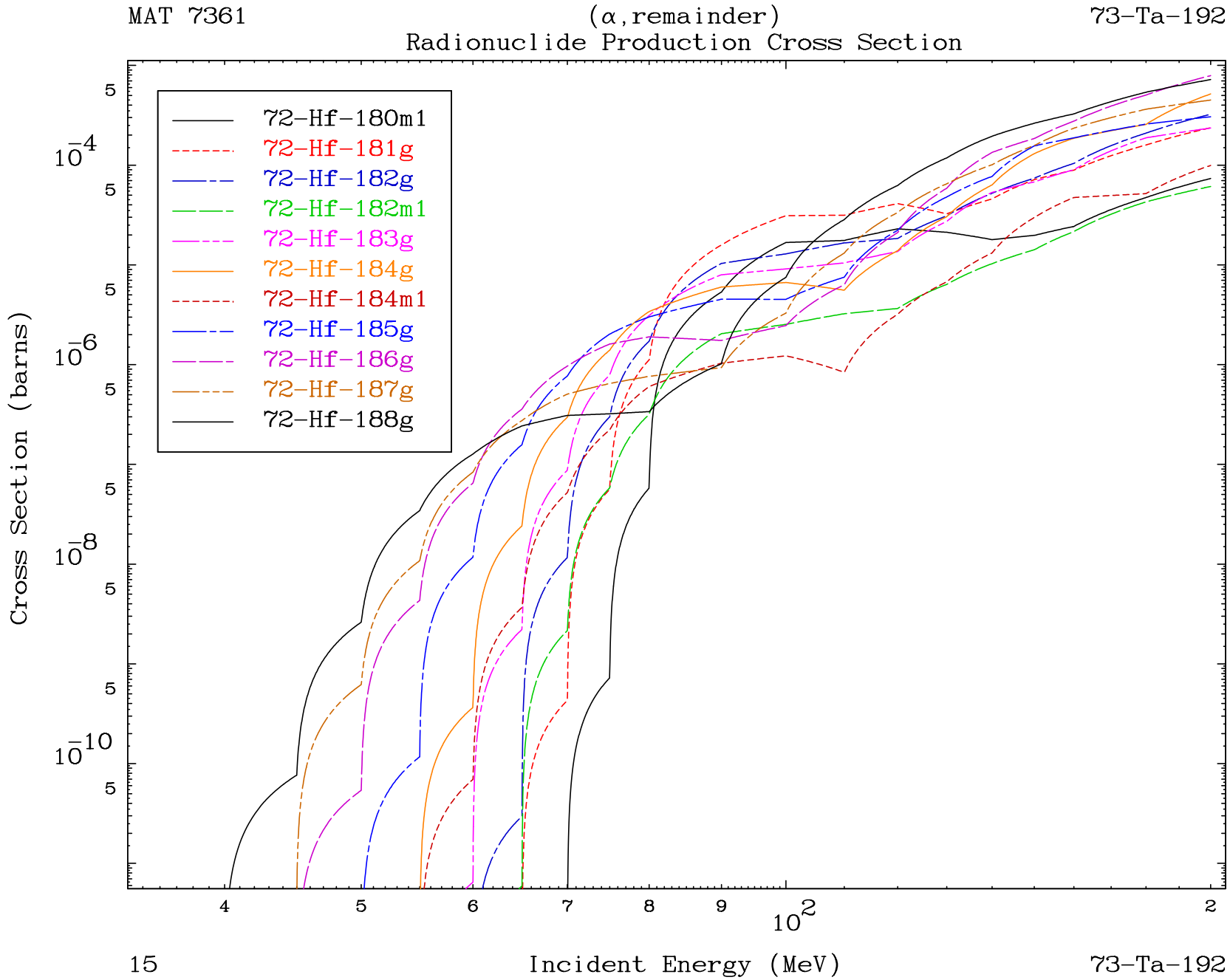



MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Neutron
1-H -1
1-H -2
1-H -3
2-He-3
2-He-4
70-Yb-171g
70-Yb-172g
71-Lu-172g
71-Lu-172m1
71-Lu-173g
Cross Section (barns)
Incident Energy (MeV)
11
73-Ta-192

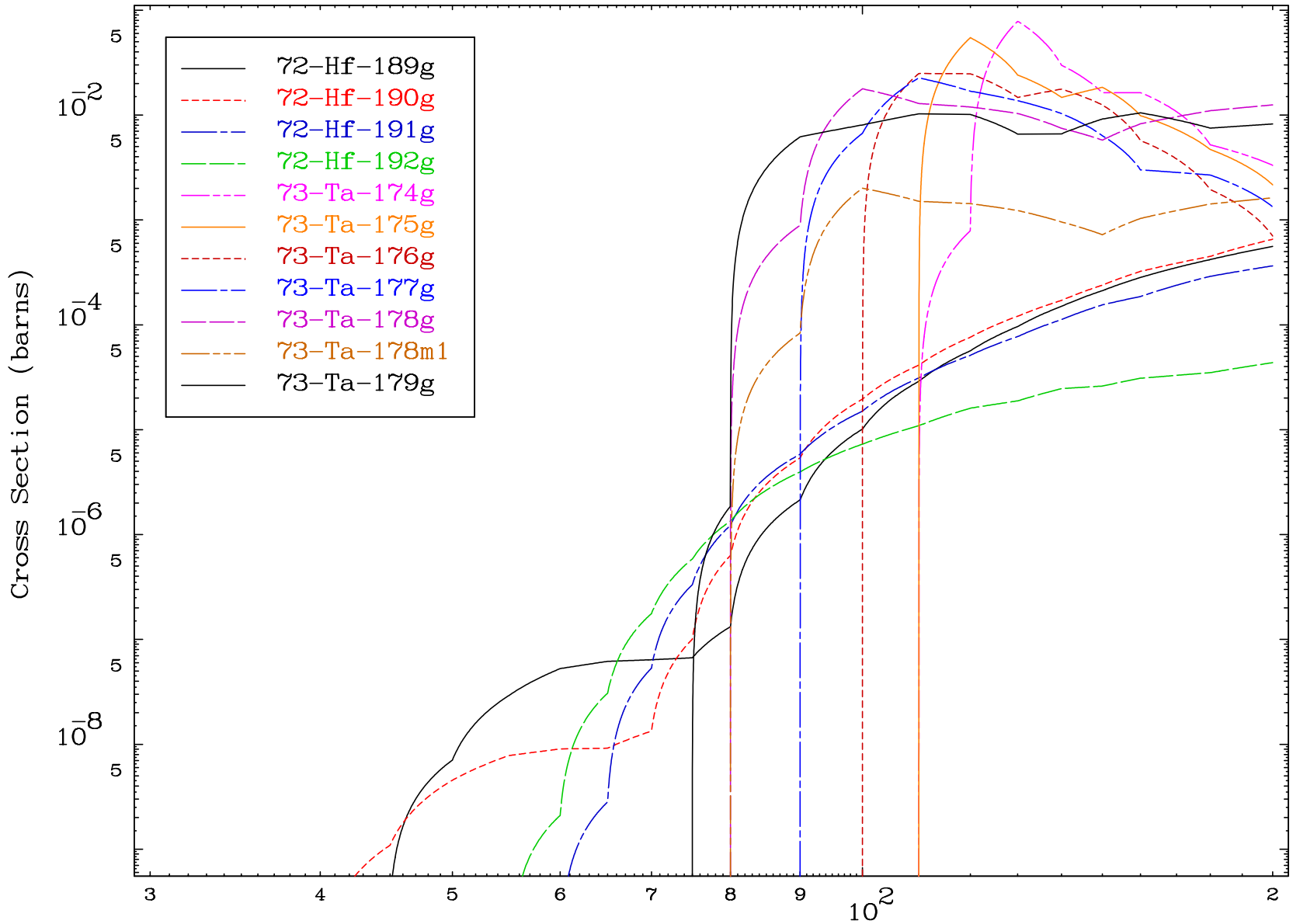

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
12
73-Ta-192
71-Lu-174g
71-Lu-174m1
71-Lu-175g
71-Lu-176g
71-Lu-176m1
71-Lu-177g
71-Lu-177m1
71-Lu-178g
71-Lu-178m1
71-Lu-179g
71-Lu-181g

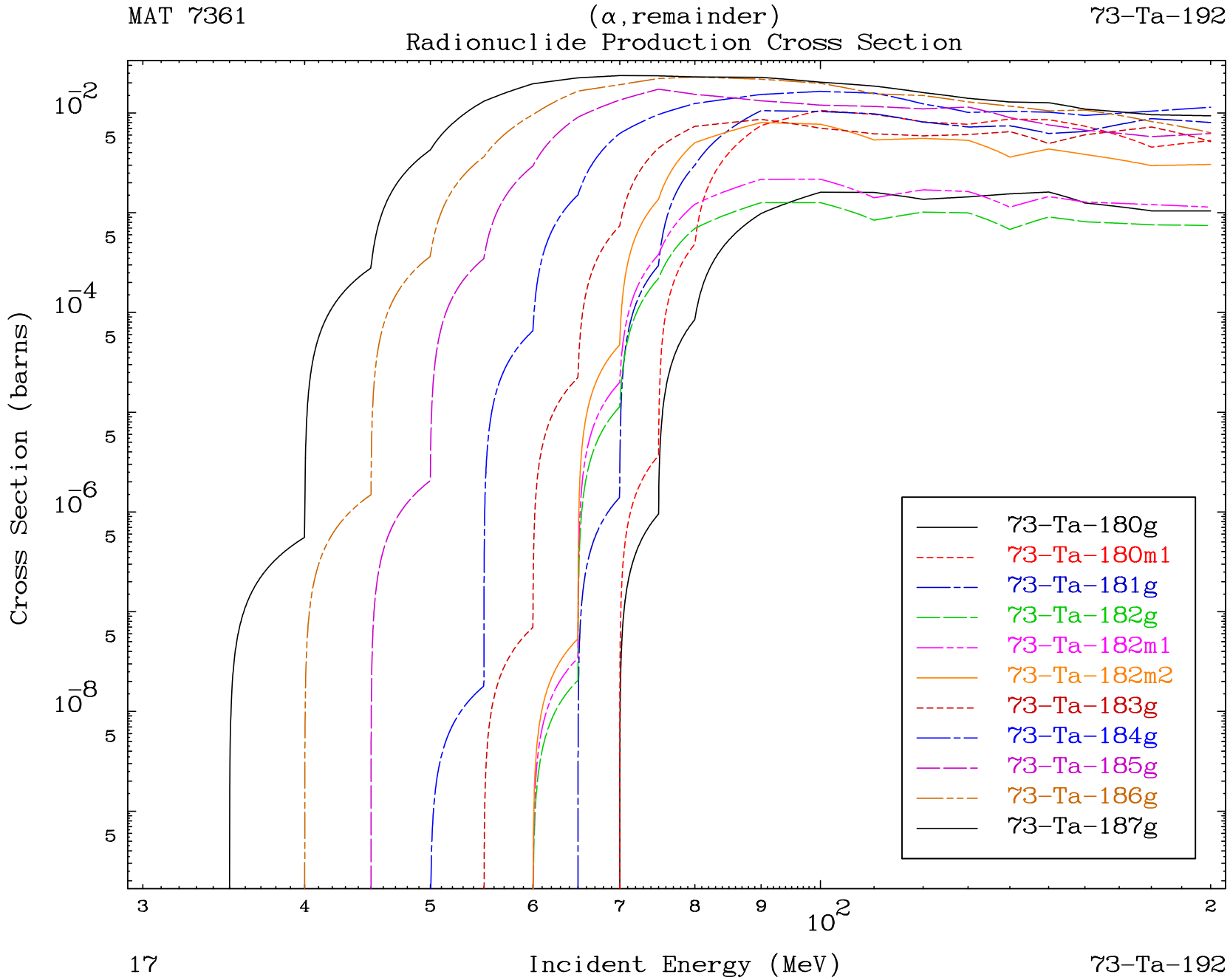

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
71-Lu-182g
71-Lu-183g
71-Lu-184g
71-Lu-185g
71-Lu-186g
71-Lu-187g
71-Lu-188g
71-Lu-189g
72-Hf-173g
72-Hf-174g
72-Hf-175g
Cross Section (barns)
Incident Energy (MeV)
13
73-Ta-192

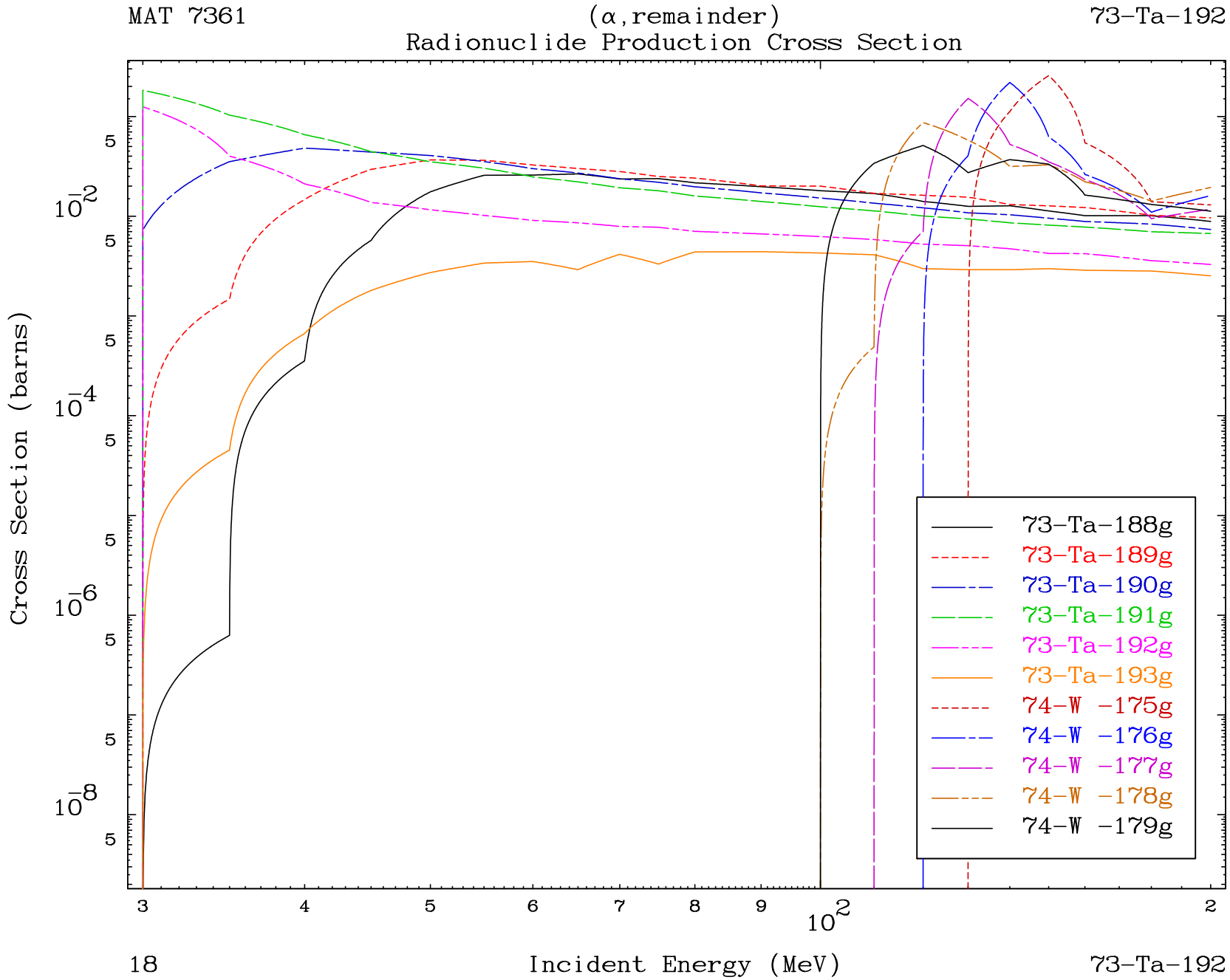

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
14
73-Ta-192
72-Hf-176g
72-Hf-177g
72-Hf-177m1
72-Hf-177m2
72-Hf-178g
72-Hf-178m1
72-Hf-178m2
72-Hf-179g
72-Hf-179m1
72-Hf-179m2
72-Hf-180g

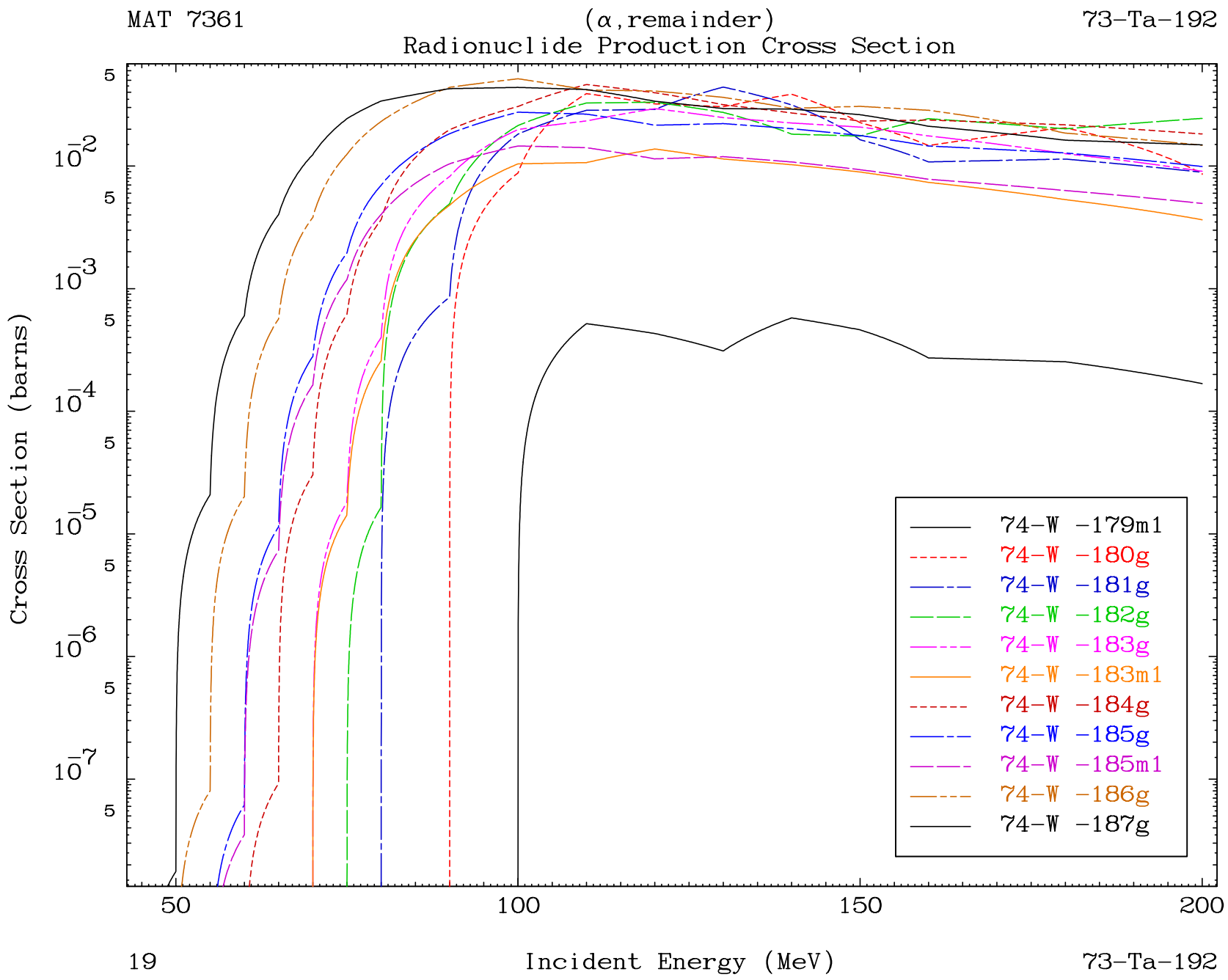

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
72-Hf-180m1
72-Hf-181g
72-Hf-182g
72-Hf-182m1
72-Hf-183g
72-Hf-184g
72-Hf-184m1
72-Hf-185g
72-Hf-186g
72-Hf-187g
72-Hf-188g
Cross Section (barns)
Incident Energy (MeV)
15
73-Ta-192

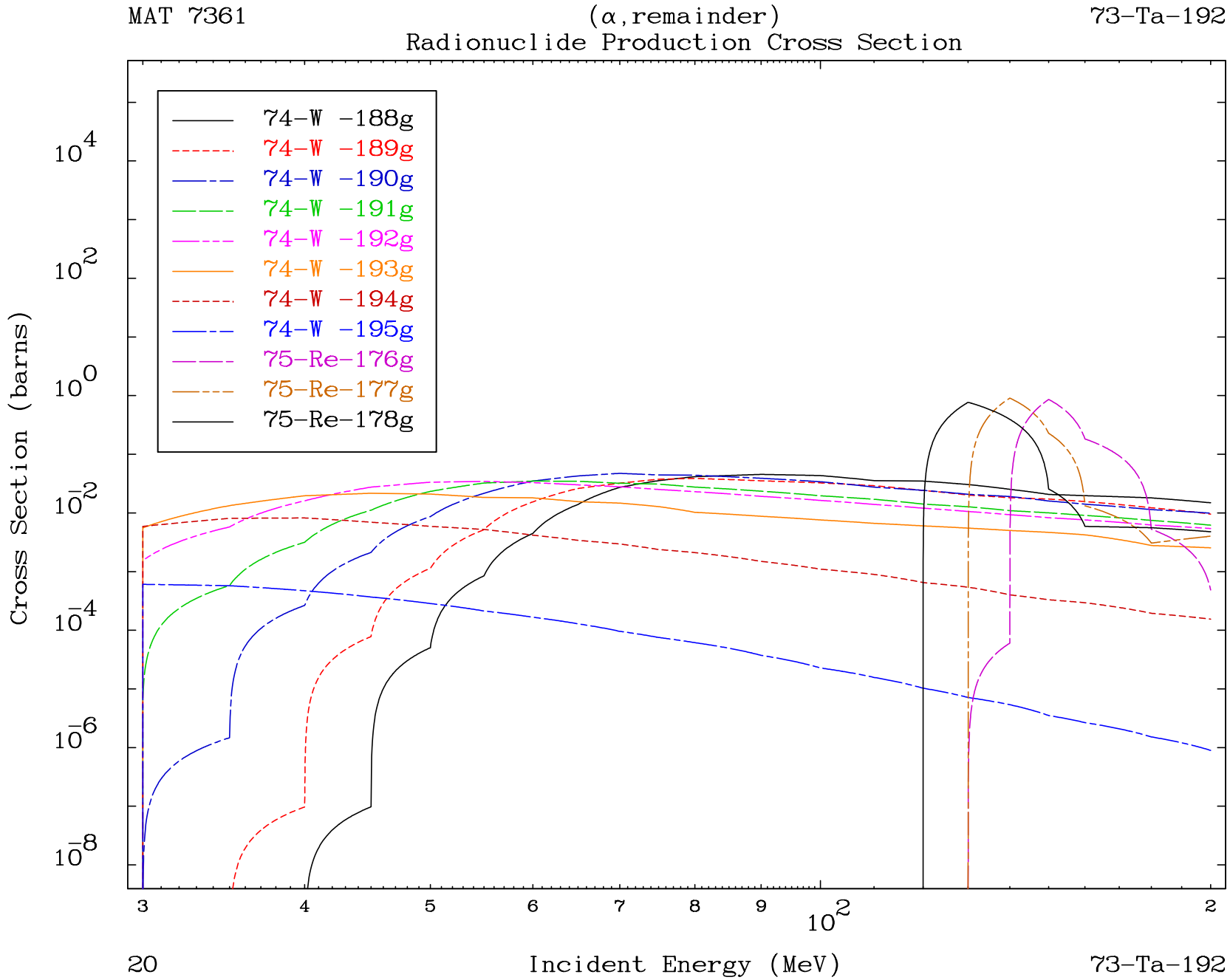
Radionuclide Production Cross Section

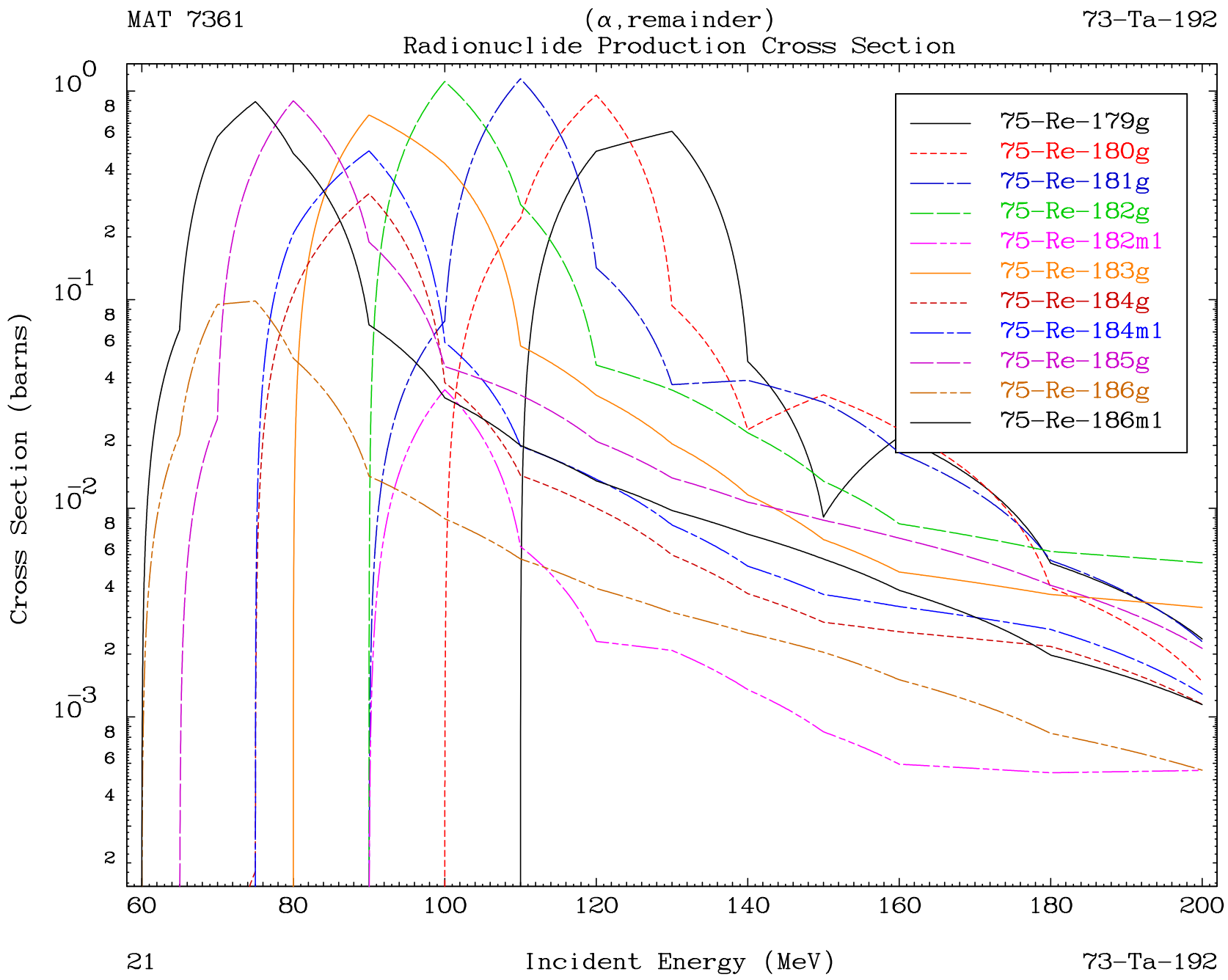


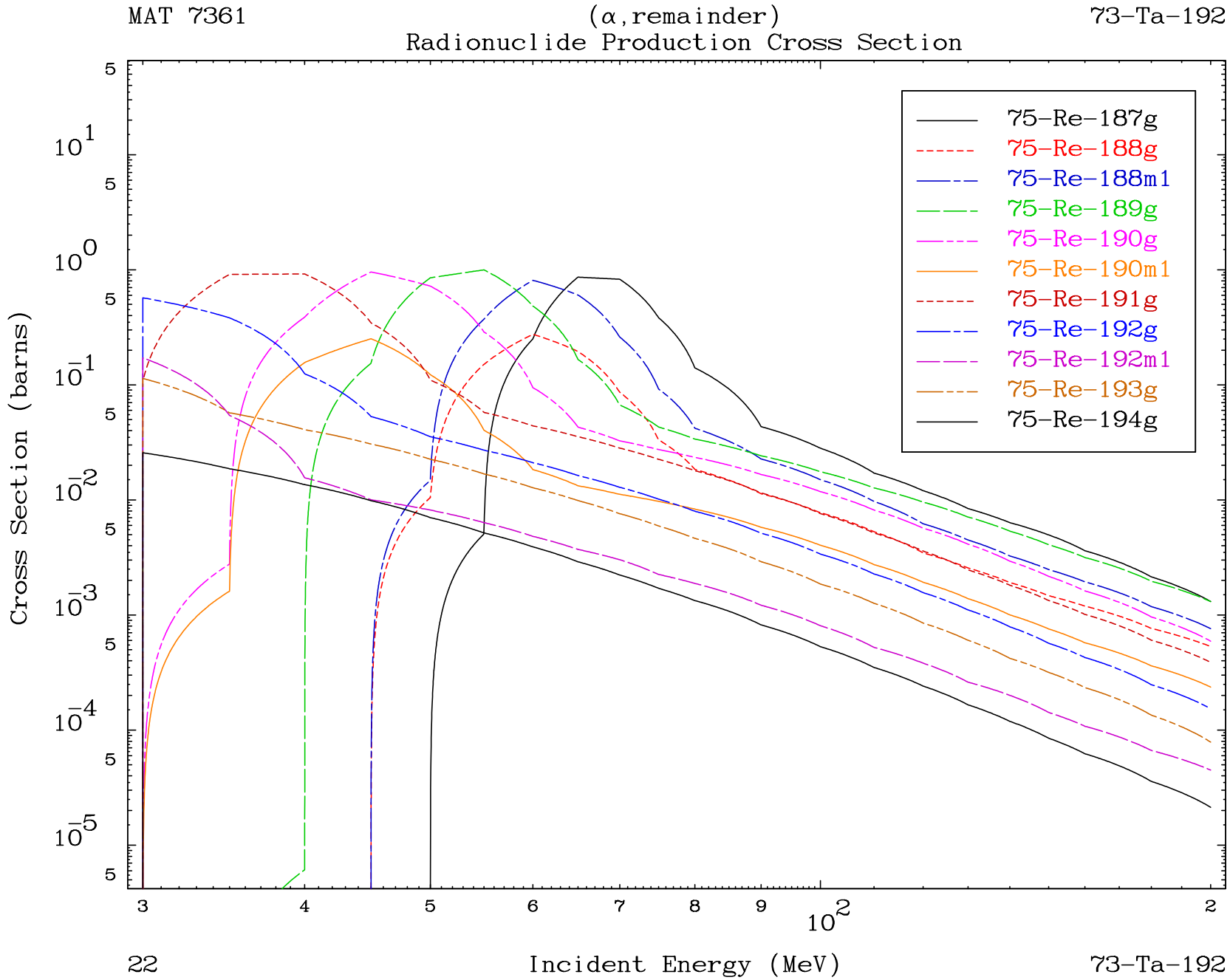

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
17
73-Ta-192
73-Ta-180g
73-Ta-180m1
73-Ta-181g
73-Ta-182g
73-Ta-182m1
73-Ta-182m2
73-Ta-183g
73-Ta-184g
73-Ta-185g
73-Ta-186g
73-Ta-187g

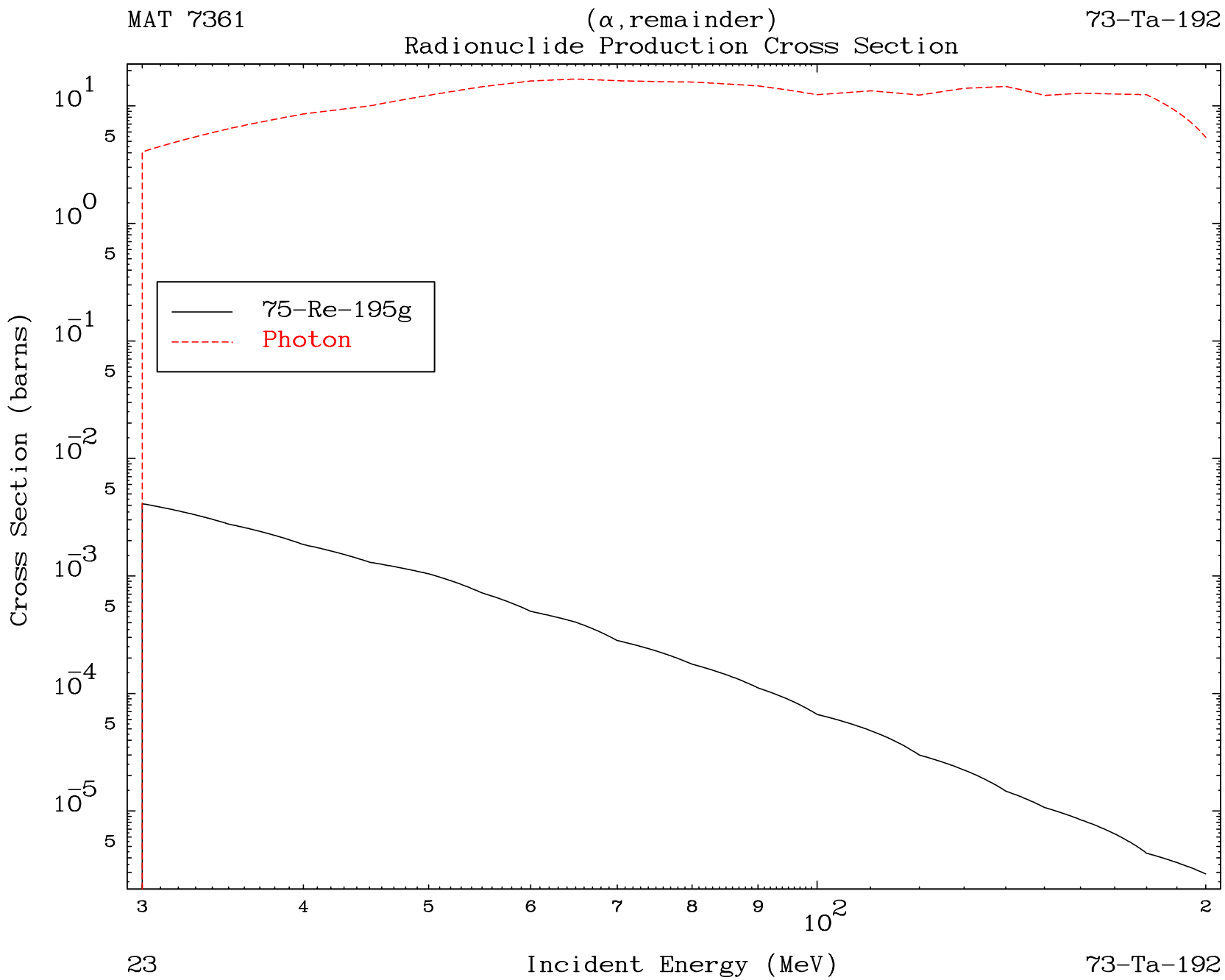

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
18
73-Ta-192
73-Ta-188g
73-Ta-189g
73-Ta-190g
73-Ta-191g
73-Ta-192g
73-Ta-193g
74-W -175g
74-W -176g
74-W -177g
74-W -178g
74-W -179g

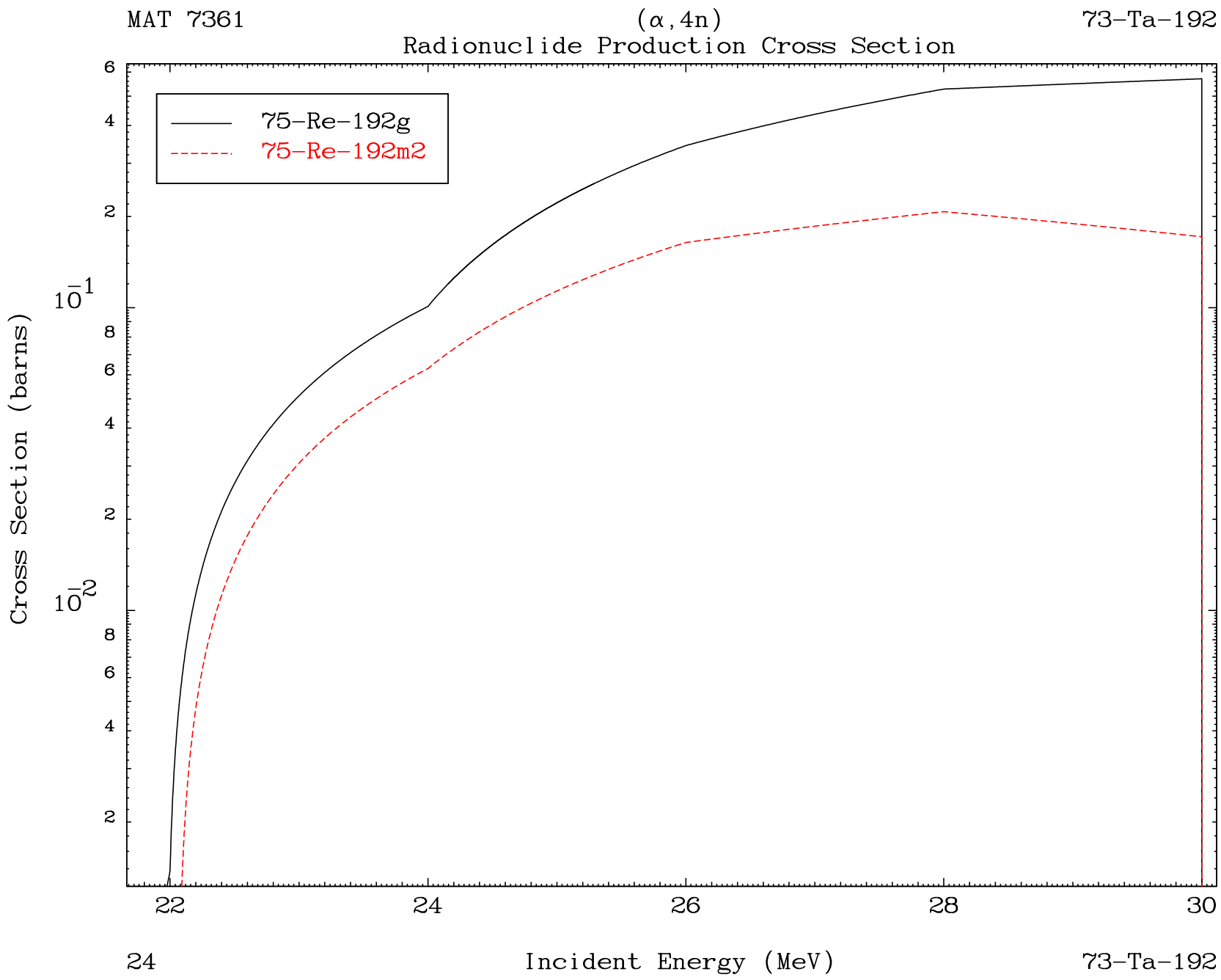

MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
50
100
150
200
74-W -179m1
74-W -180g
74-W -181g
74-W -182g
74-W -183g
74-W -183m1
74-W -184g
74-W -185g
74-W -185m1
74-W -186g
74-W -187g
19
73-Ta-192


MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
74-W -188g
74-W -189g
74-W -190g
74-W -191g
74-W -192g
74-W -193g
74-W -194g
74-W -195g
75-Re-176g
75-Re-177g
75-Re-178g
Cross Section (barns)
Incident Energy (MeV)
20
73-Ta-192


MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
21
73-Ta-192
75-Re-179g
75-Re-180g
75-Re-181g
75-Re-182g
75-Re-182m1
75-Re-183g
75-Re-184g
75-Re-184m1
75-Re-185g
75-Re-186g
75-Re-186m1


MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
22
73-Ta-192
75-Re-187g
75-Re-188g
75-Re-188m1
75-Re-189g
75-Re-190g
75-Re-190m1
75-Re-191g
75-Re-192g
75-Re-192m1
75-Re-193g
75-Re-194g


MAT 7361
(α,remainder)
73-Ta-192
Radionuclide Production Cross Section
Cross Section (barns)
75-Re-195g
Photon
Incident Energy (MeV)
23
73-Ta-192


MAT 7361
(α,4n)
73-Ta-192
Radionuclide Production Cross Section
75-Re-192g
75-Re-192m2
Cross Section (barns)
Incident Energy (MeV)
24
73-Ta-192