

Program EVALPLOT
(Version 2018-1)

by

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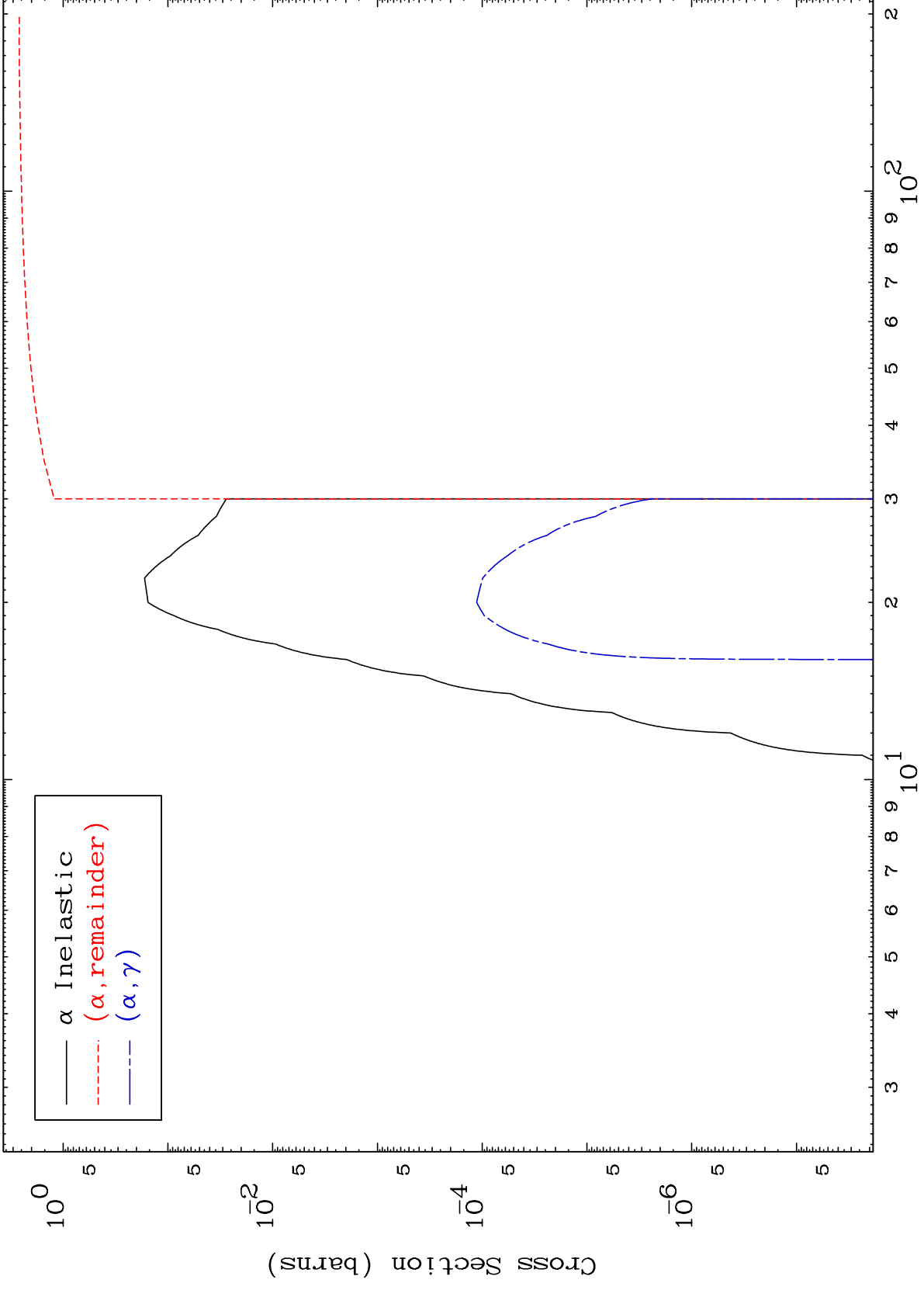
Press Mouse Button to Start

MAT 7320

α Major

73-Ta-178

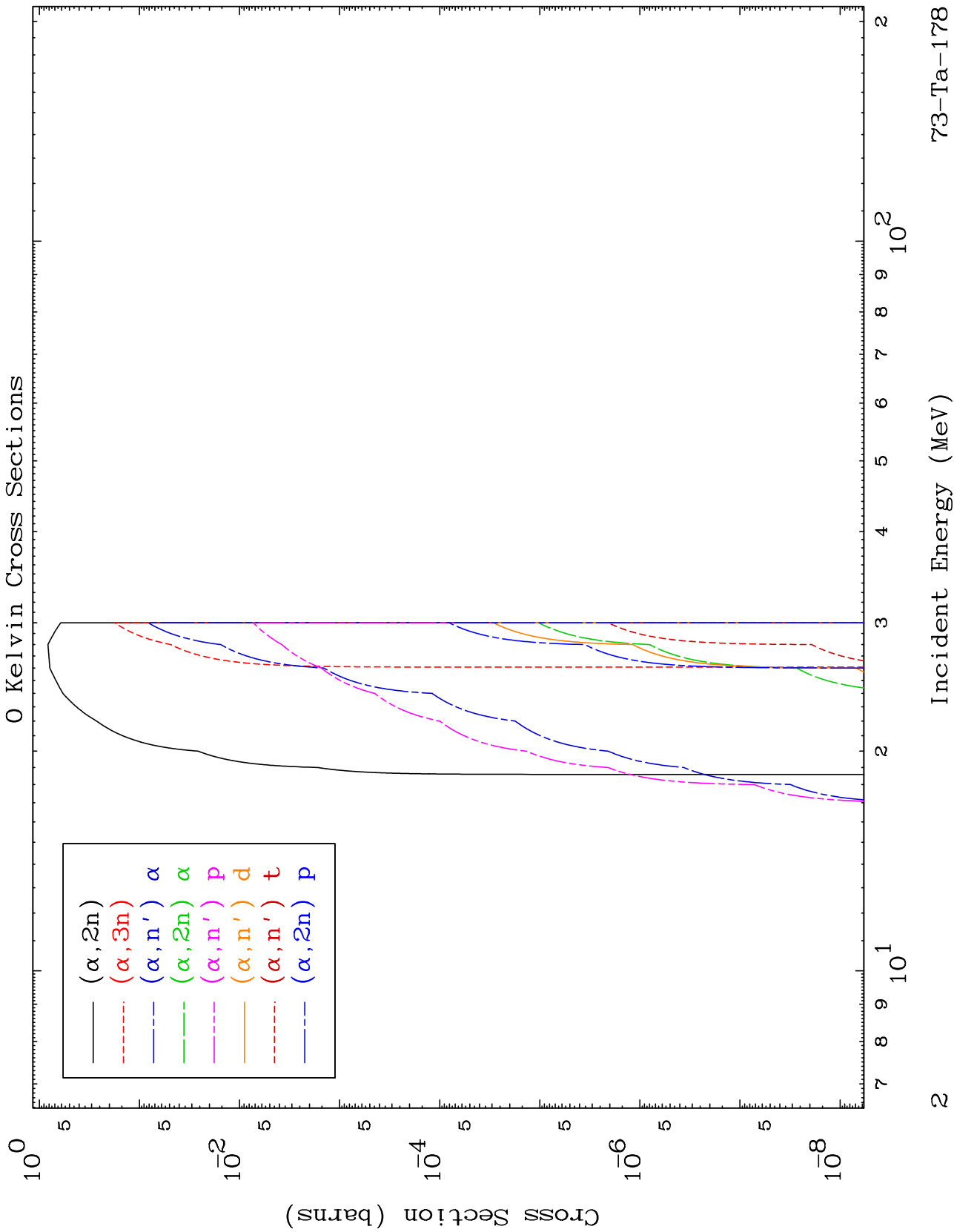
0 Kelvin Cross Sections



MAT 7320

α Neutron Production
0 Kelvin Cross Sections

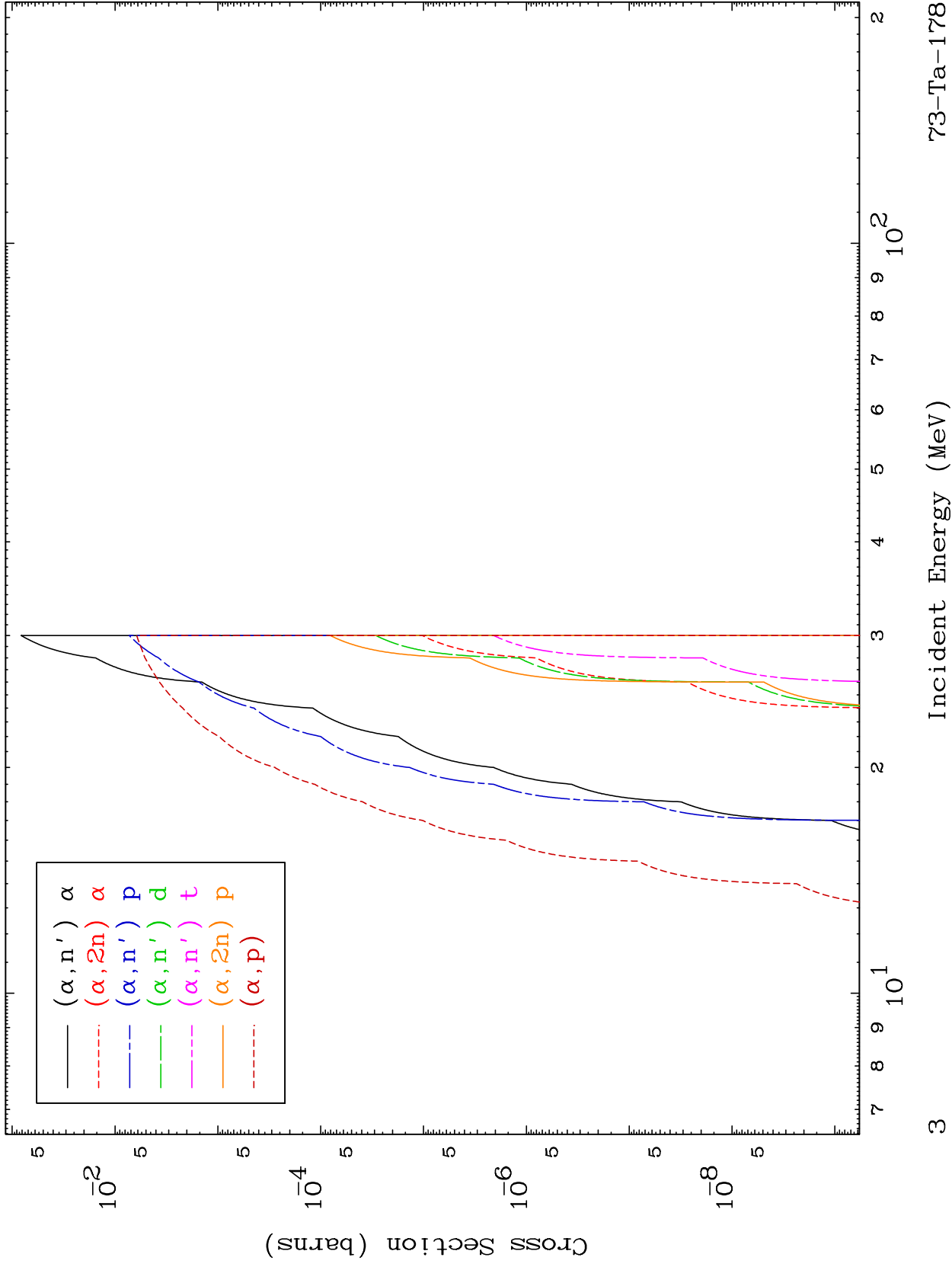
73-Ta-178



2

Incident Energy (MeV)

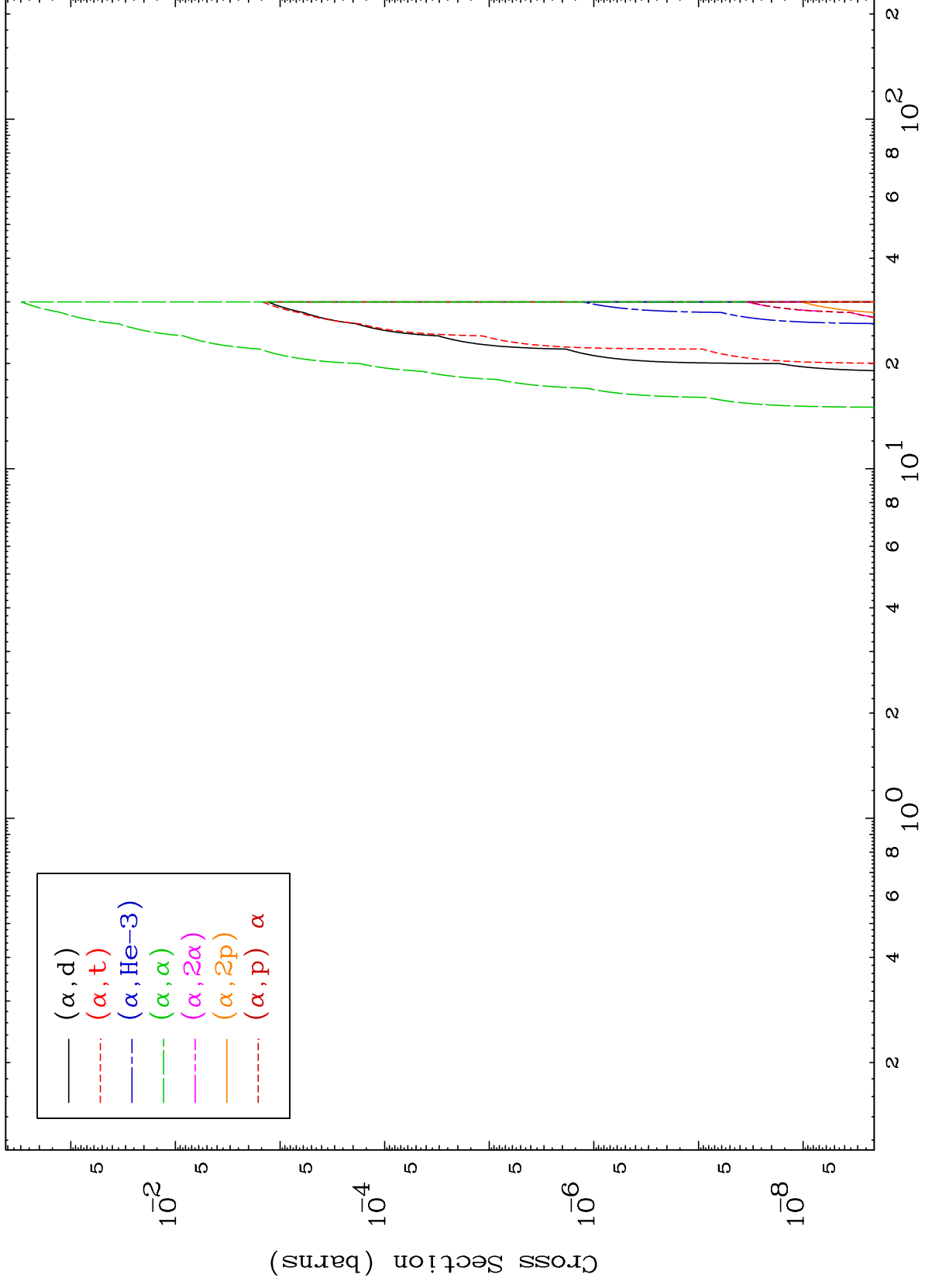
73-Ta-178



MAT 7320

α Charged Particle
0 Kelvin Cross Sections

73-Ta-178

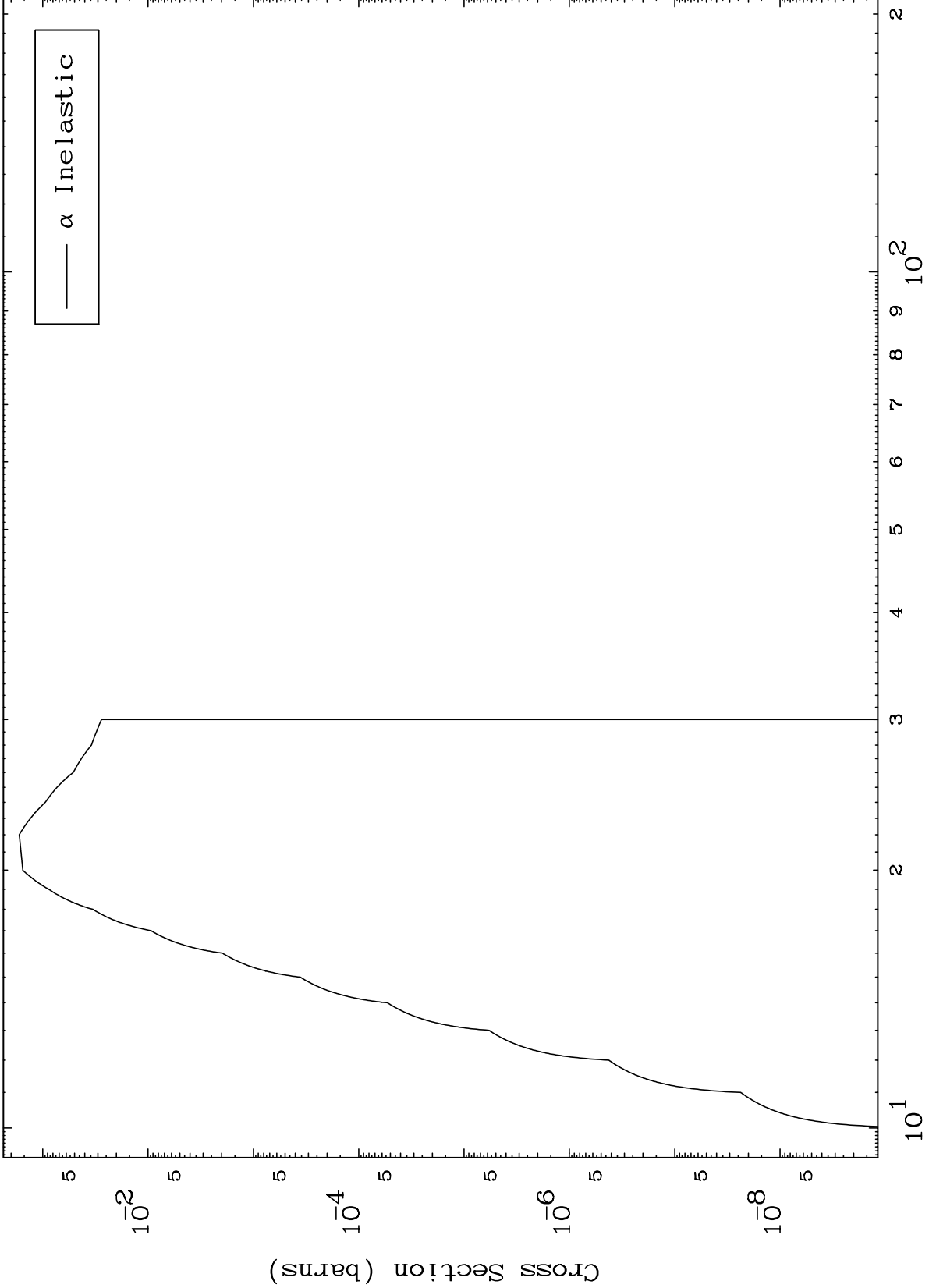


MAT 7320

(α, n') Level

73-Ta-178

0 Kelvin Cross Sections



α Inelastic

Incident Energy (MeV)

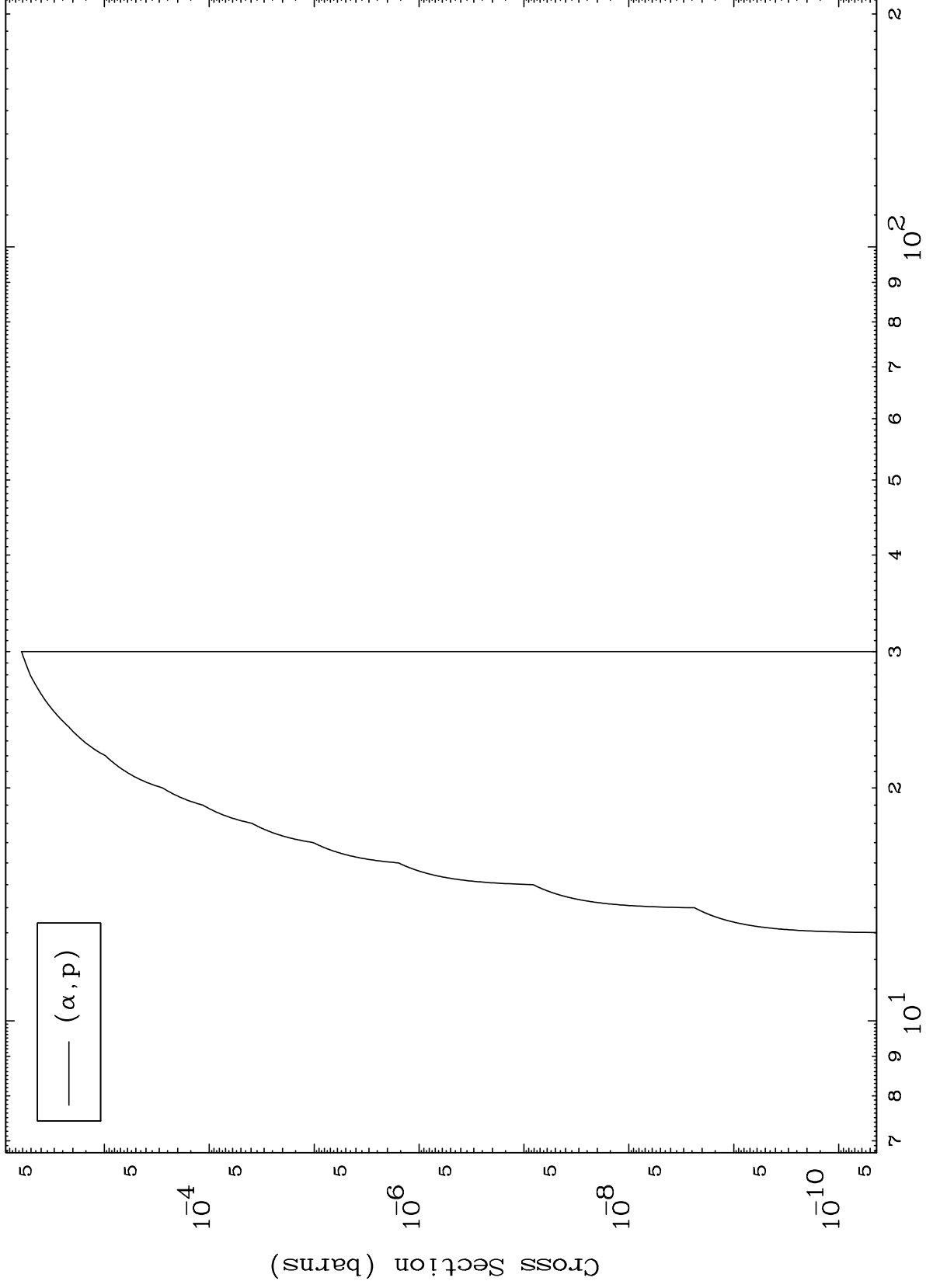
73-Ta-178

5

MAT 7320

(α, p) Levels
0 Kelvin Cross Sections

73-Ta-178



Incident Energy (MeV)

73-Ta-178

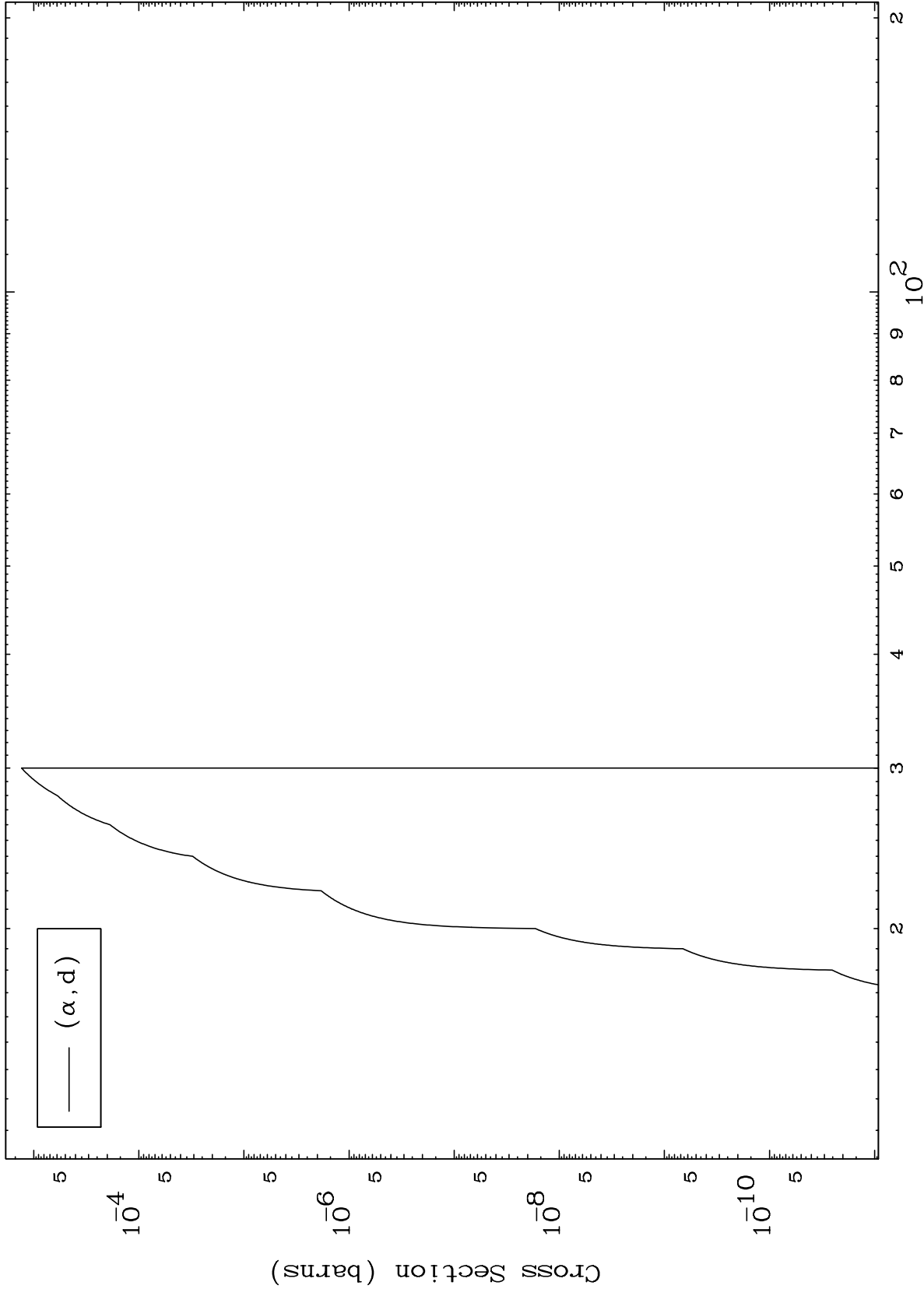
6

MAT 7320

(α, d) Levels

$^{73}\text{Ta-178}$

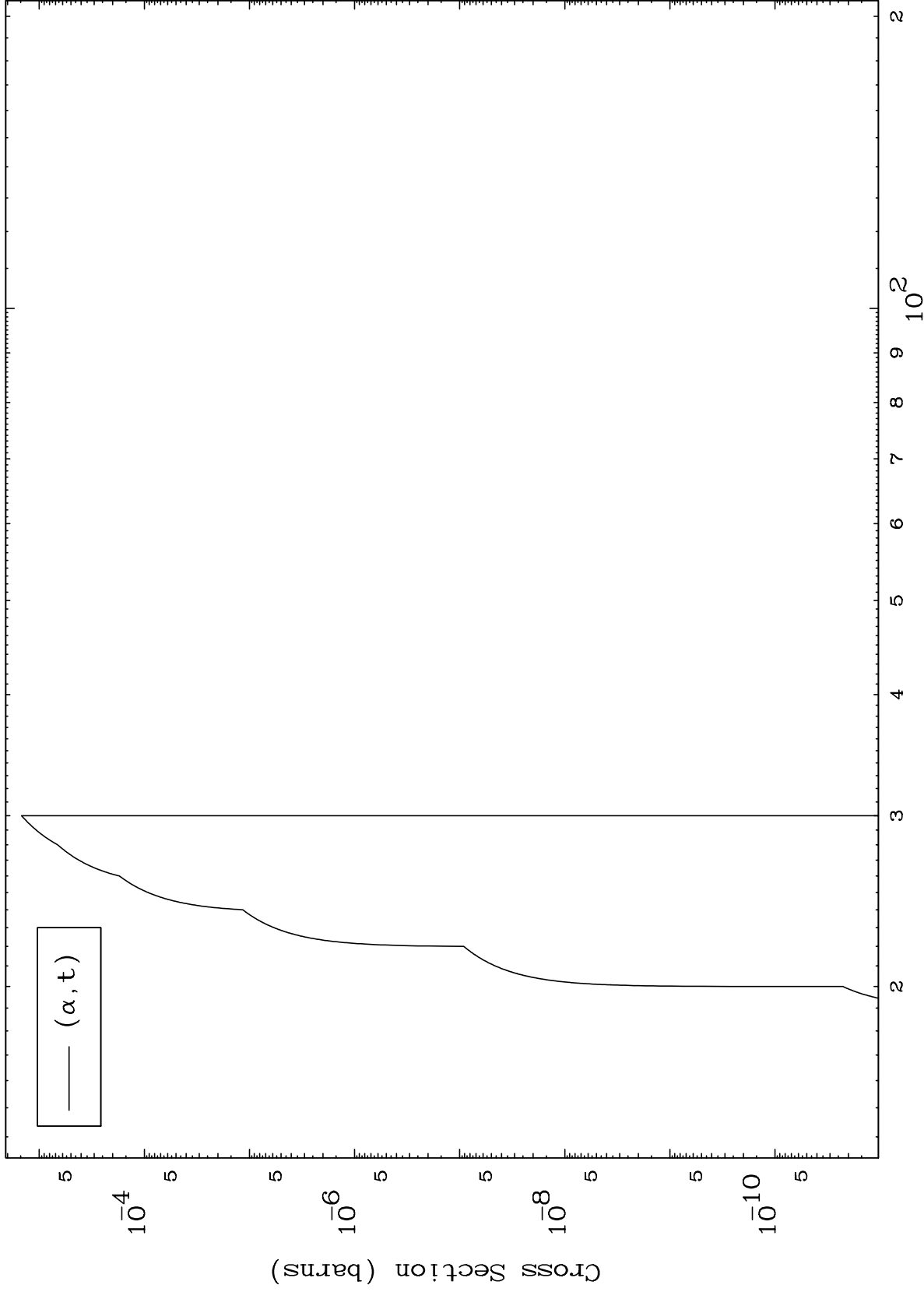
0 Kelvin Cross Sections



MAT 7320

(α, t) Levels
0 Kelvin Cross Sections

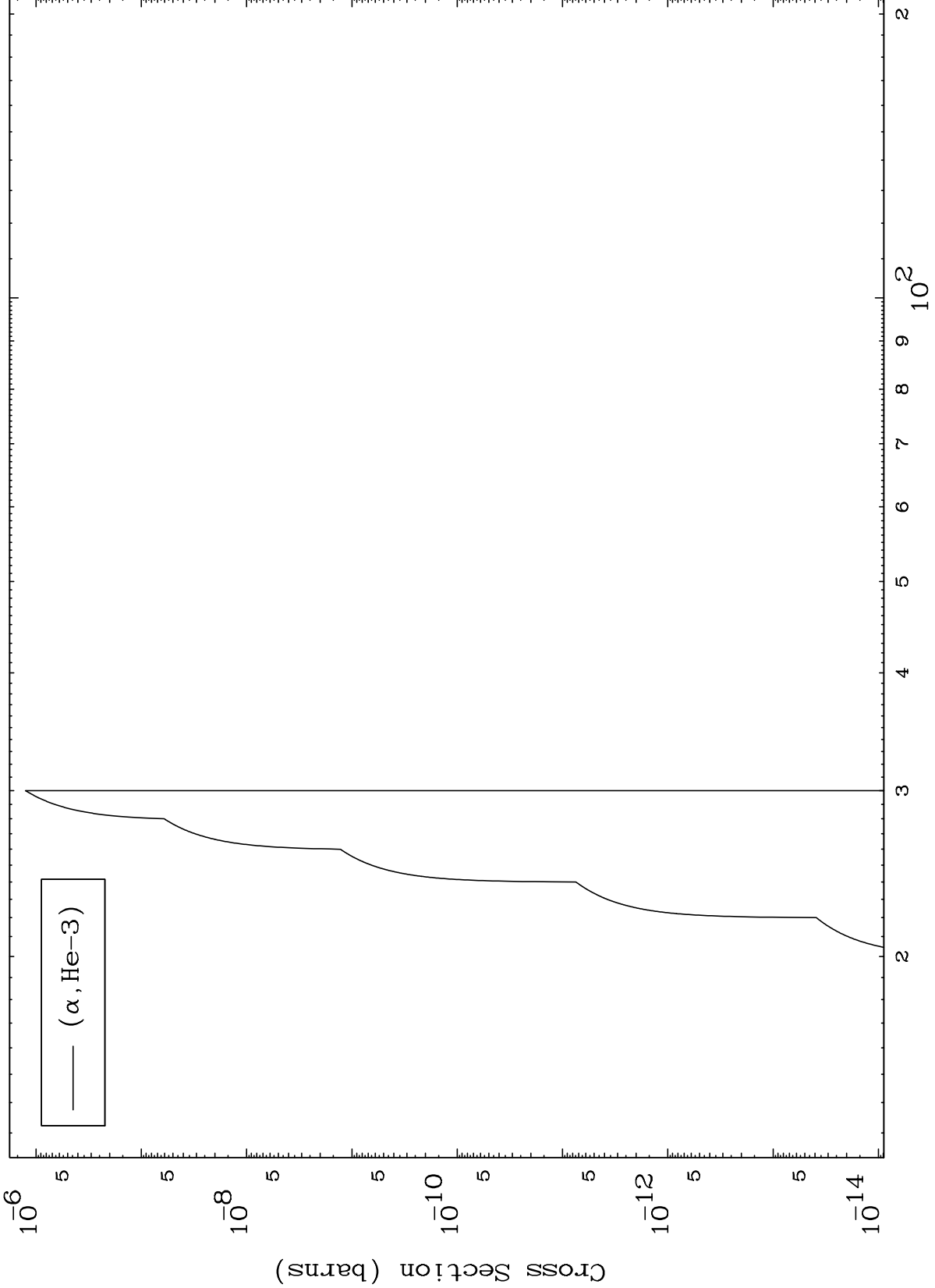
73-Ta-178



MAT 7320

(α ,He3) Levels
0 Kelvin Cross Sections

73-Ta-178

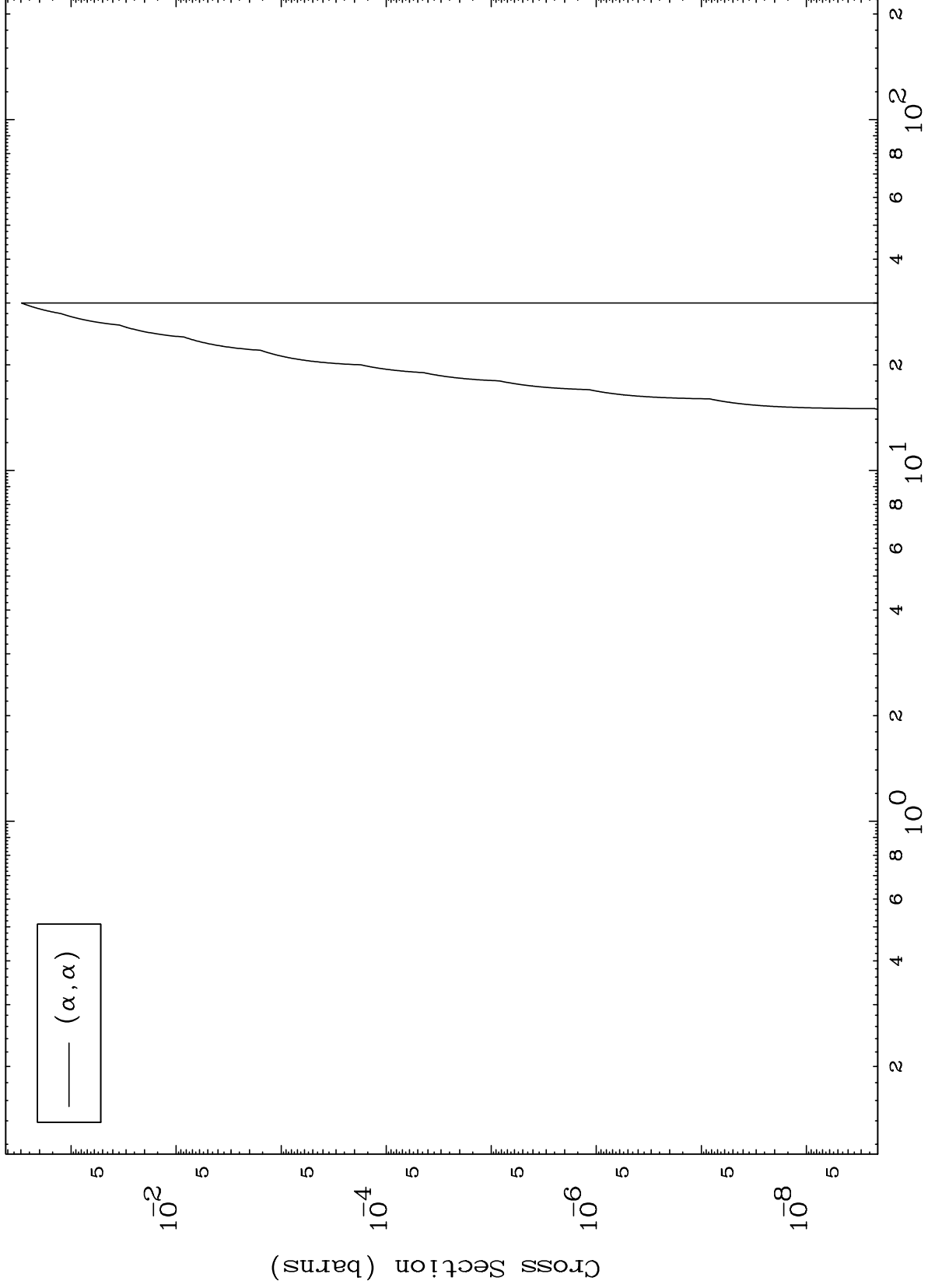


MAT 7320

(α, α) Levels

73-Ta-178

0 Kelvin Cross Sections



10

Incident Energy (MeV)

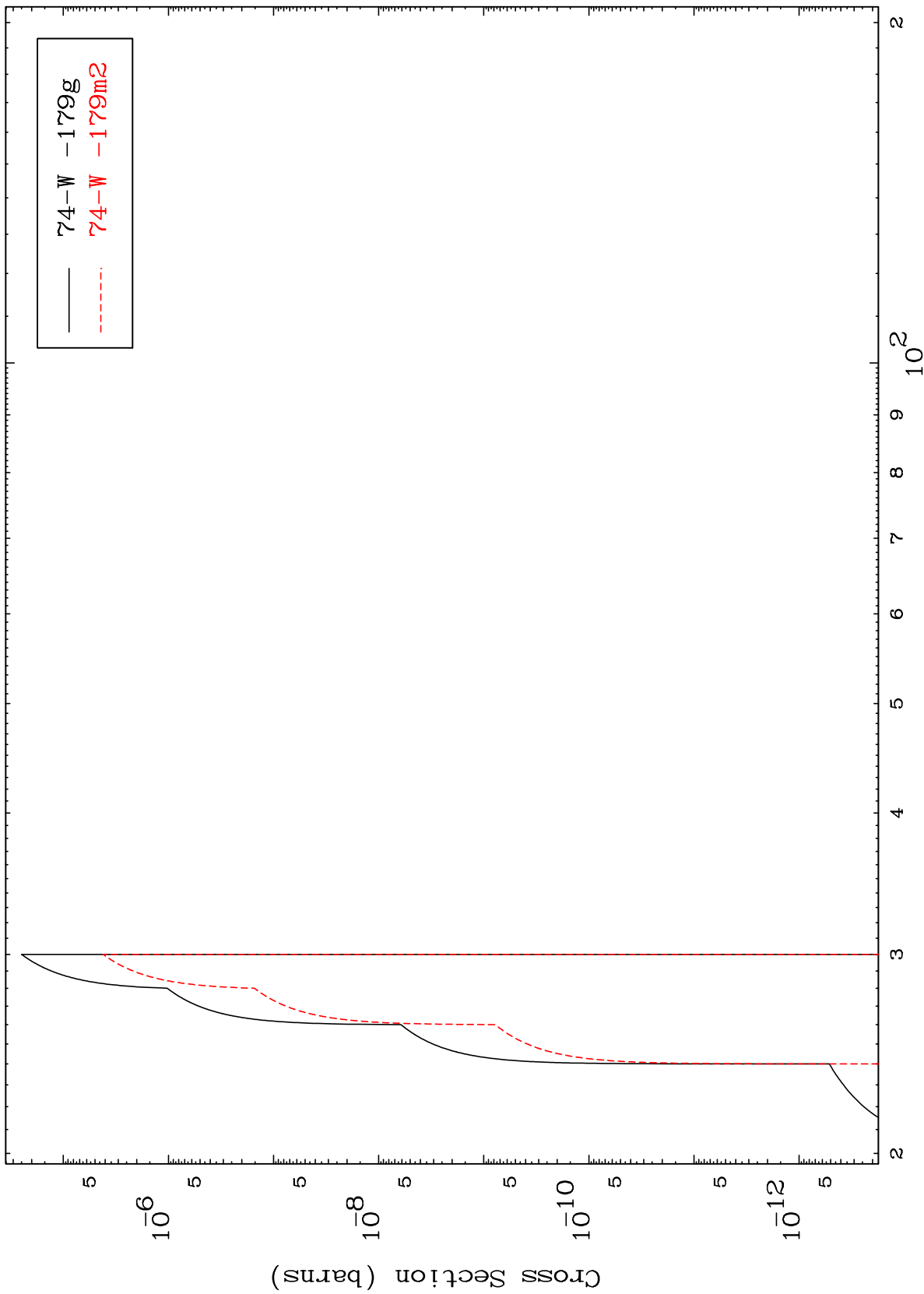
73-Ta-178

MAT 7320

(α, n') d

⁷³Ta-178

Radionuclide Production Cross Section



11

Incident Energy (MeV)

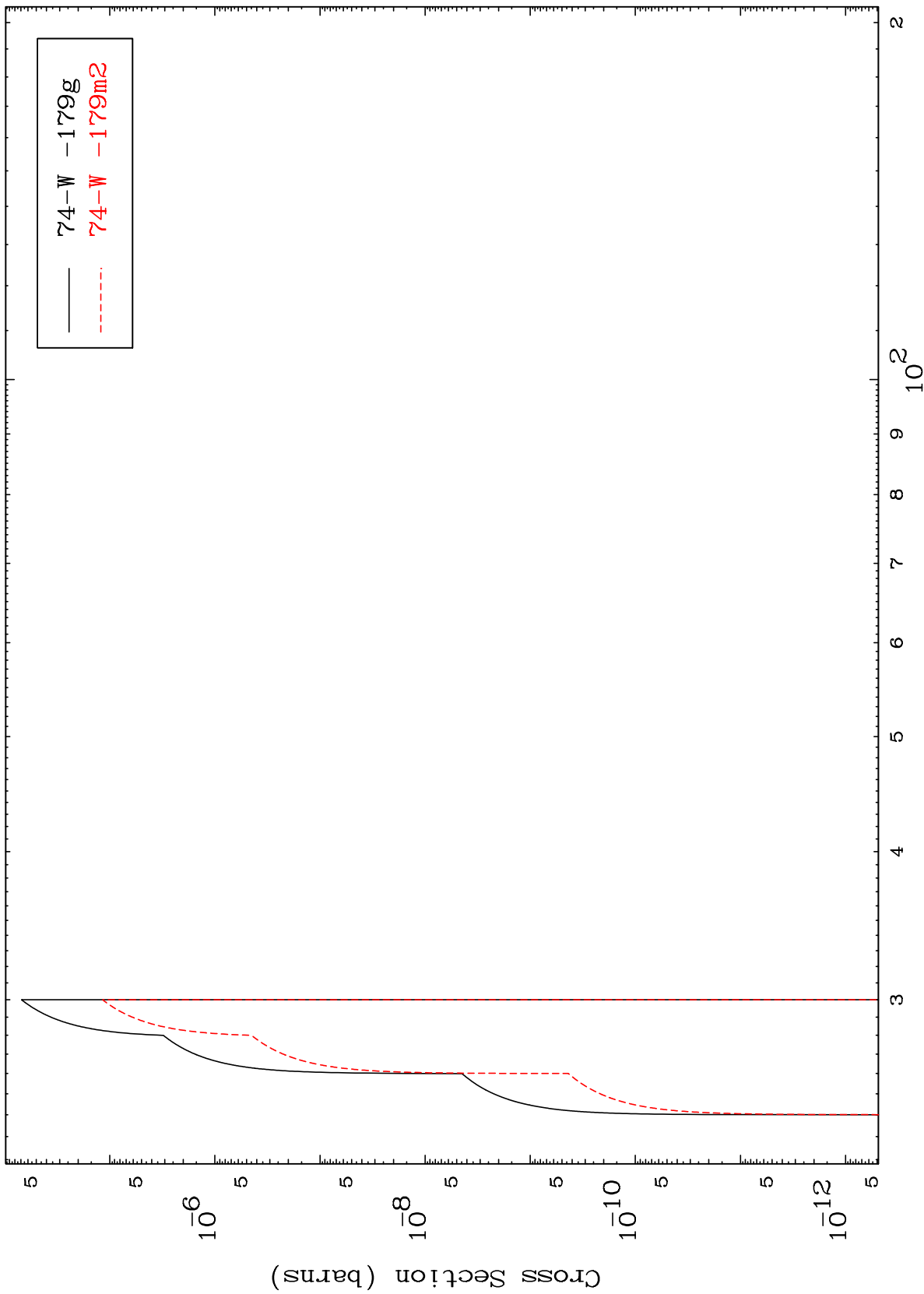
⁷³Ta-178

MAT 7320

$(\alpha, 2n)$ p

$^{73}\text{Ta-178}$

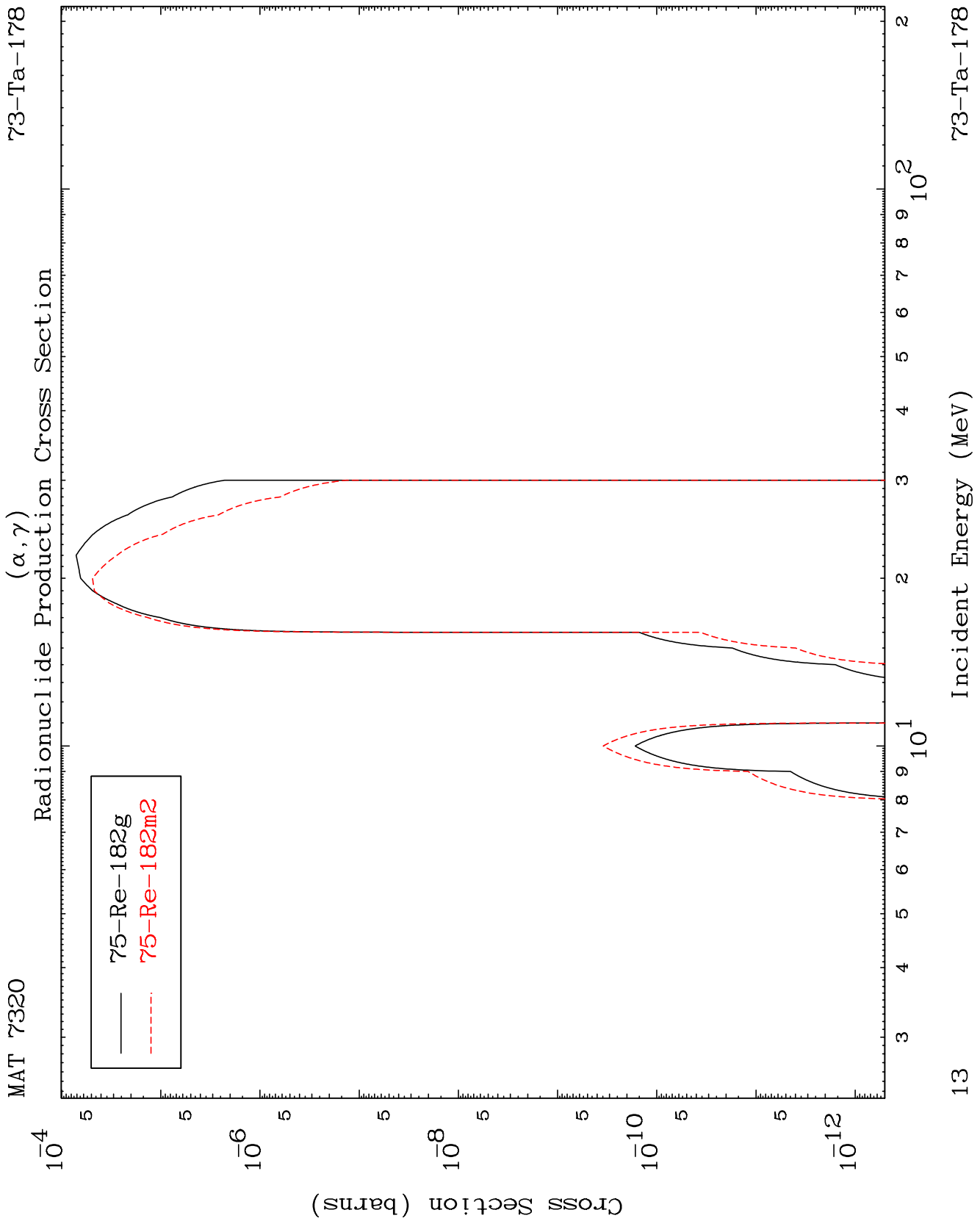
Radionuclide Production Cross Section



12

Incident Energy (MeV)

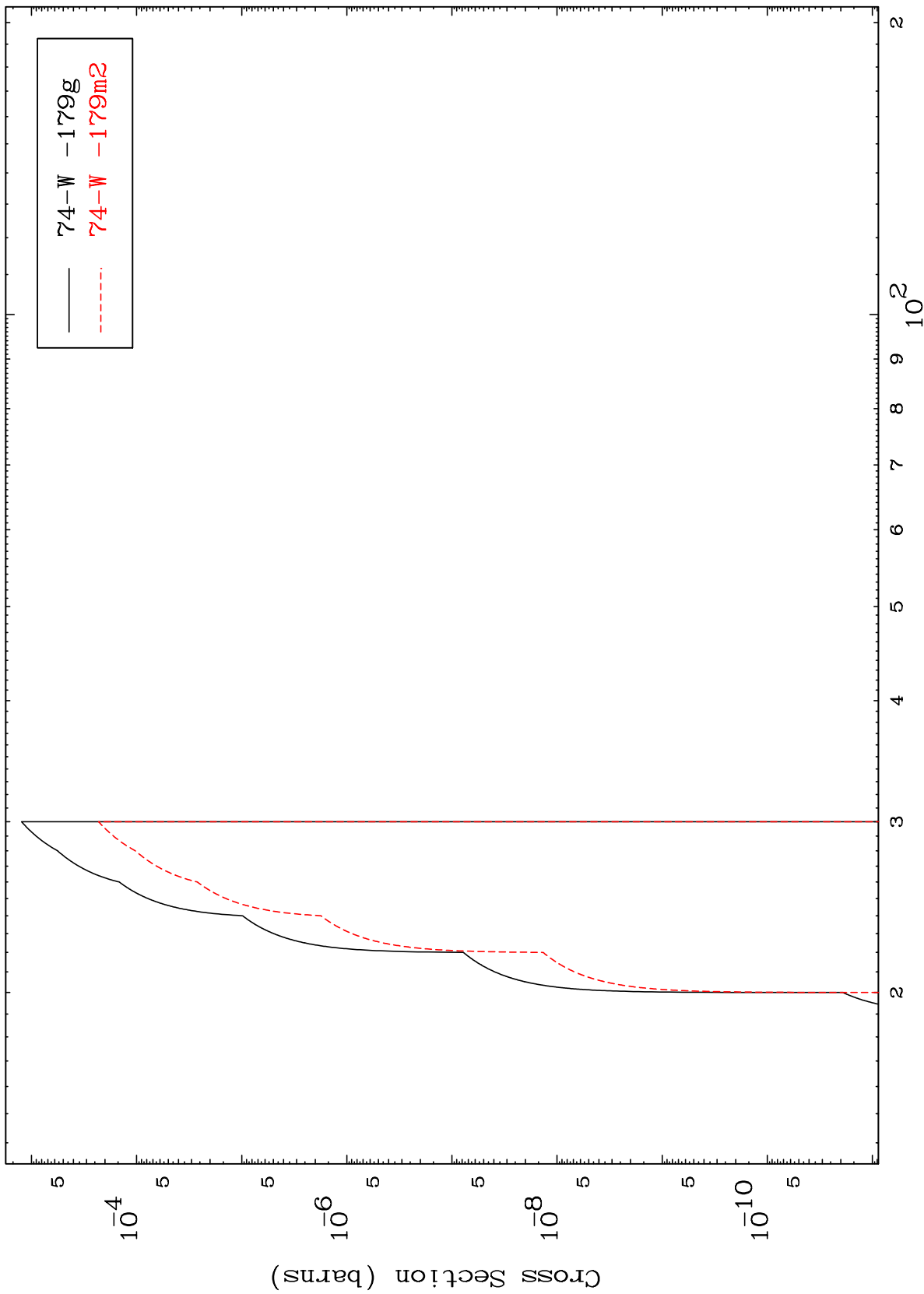
$^{73}\text{Ta-178}$



MAT 7320

⁷³Ta-178

(α, t)
Radionuclide Production Cross Section



74-W - 179g
74-W - 179m2

⁷³Ta-178

Incident Energy (MeV)

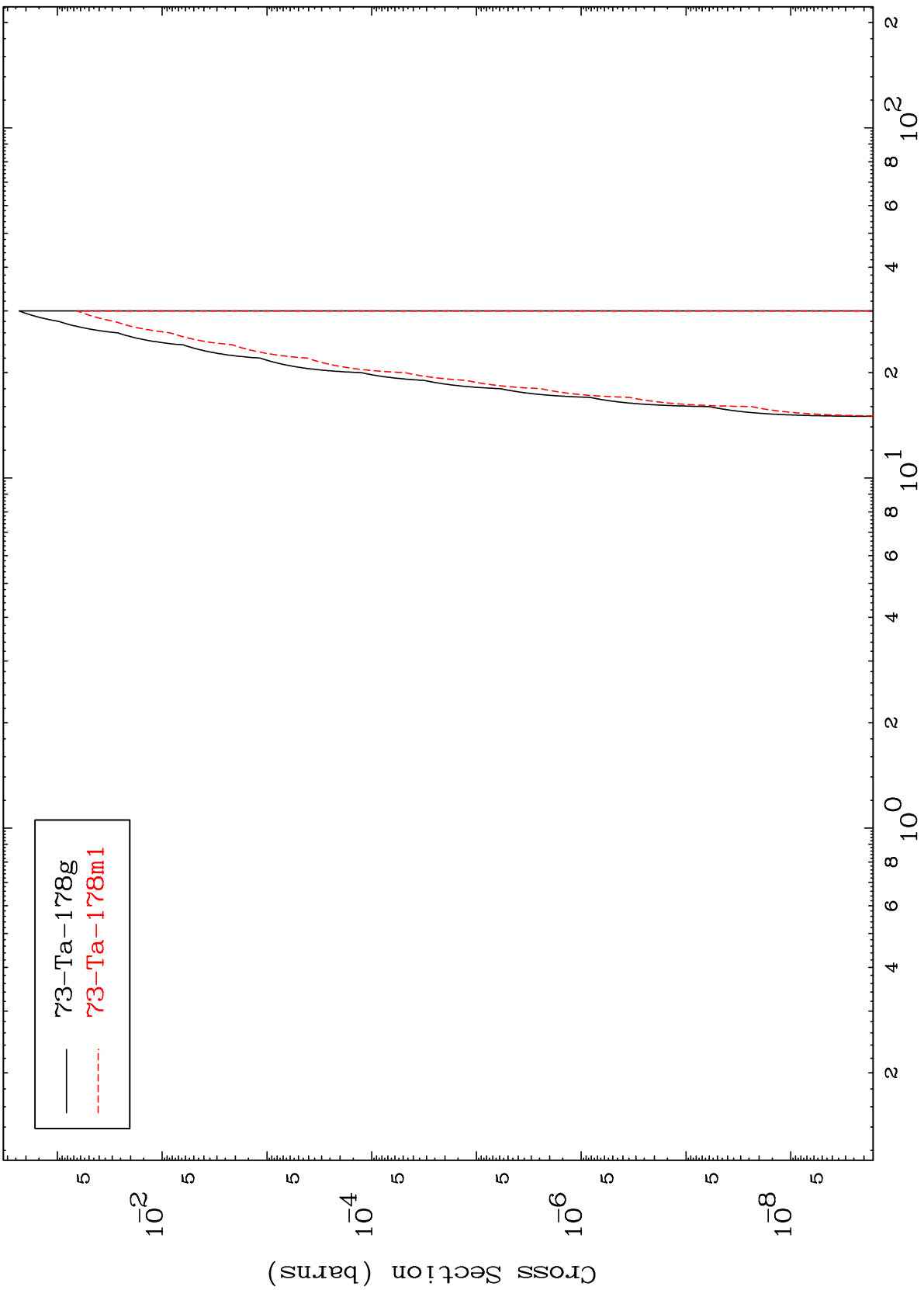
14

MAT 7320

(α, α)

$^{73}\text{Ta-178}$

Radionuclide Production Cross Section



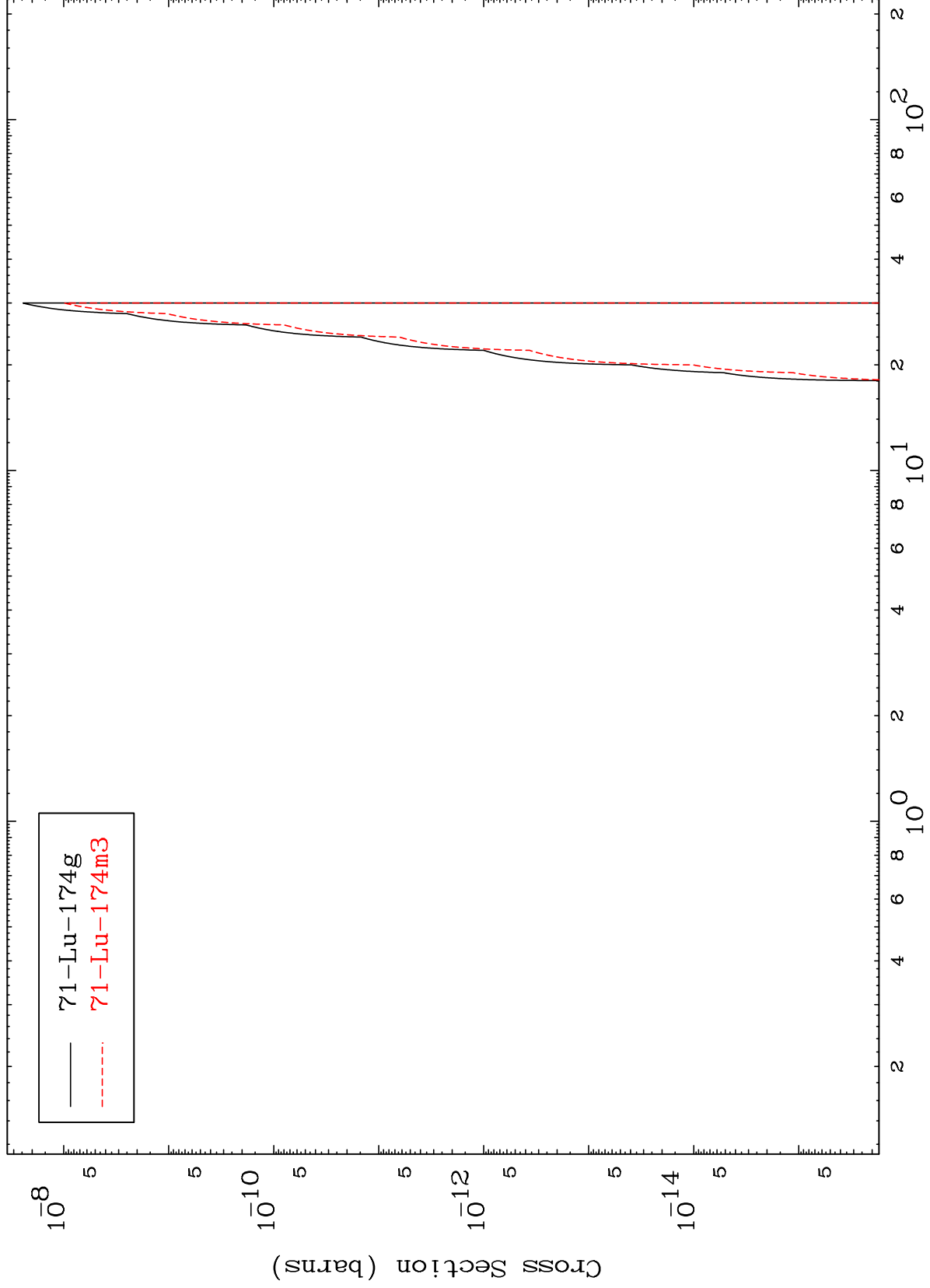
Legend:
— $^{73}\text{Ta-178g}$
- - - $^{73}\text{Ta-178m1}$

MAT 7320

($\alpha, 2\alpha$)

⁷³Ta-178

Radionuclide Production Cross Section



16

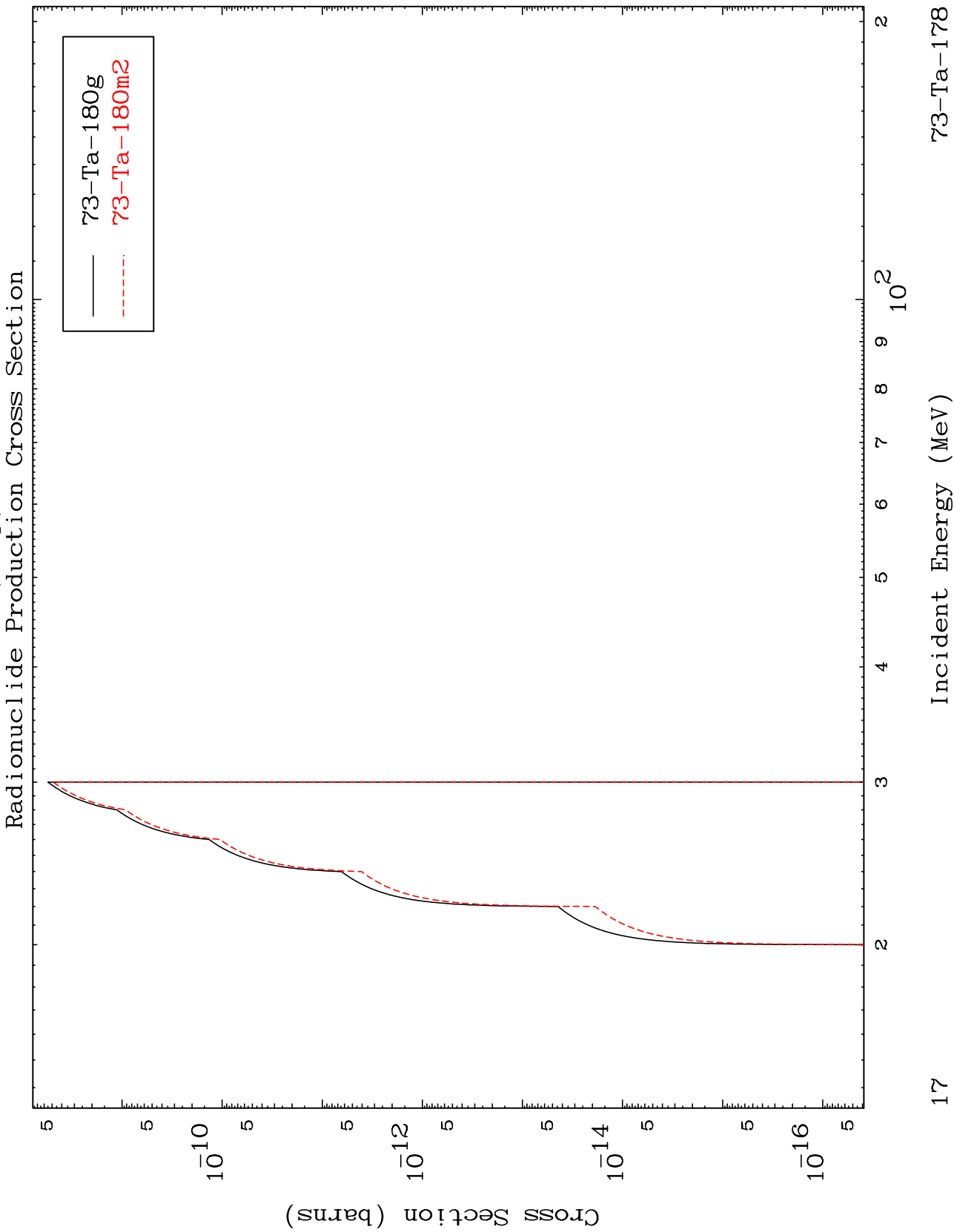
Incident Energy (MeV)

⁷³Ta-178

MAT 7320

⁷³Ta-178

($\alpha, 2p$)



17

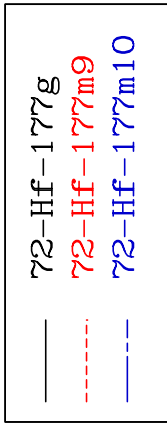
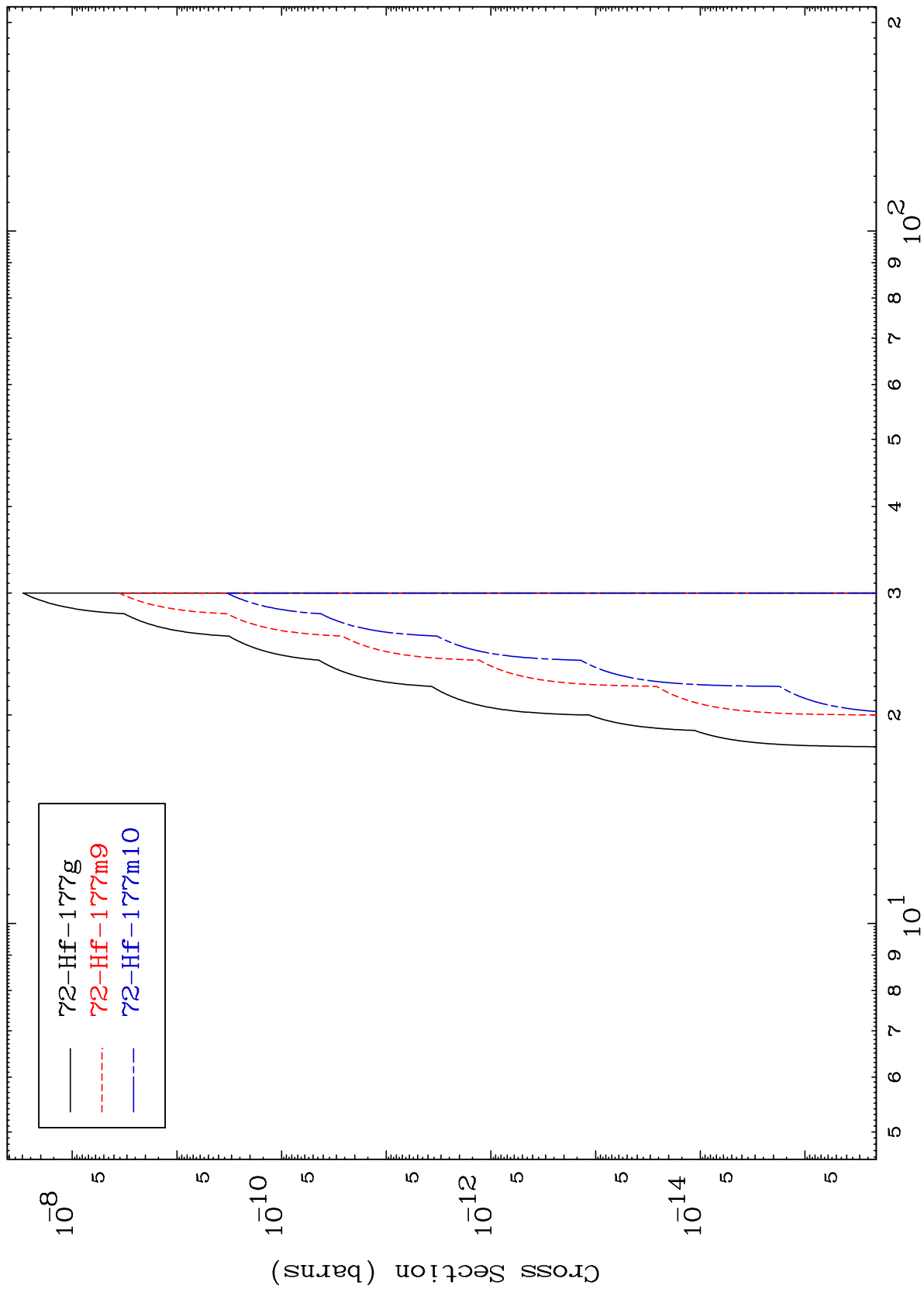
⁷³Ta-178

MAT 7320

(α, p) α

⁷³Ta-178

Radionuclide Production Cross Section



18

Incident Energy (MeV)

⁷³Ta-178