

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

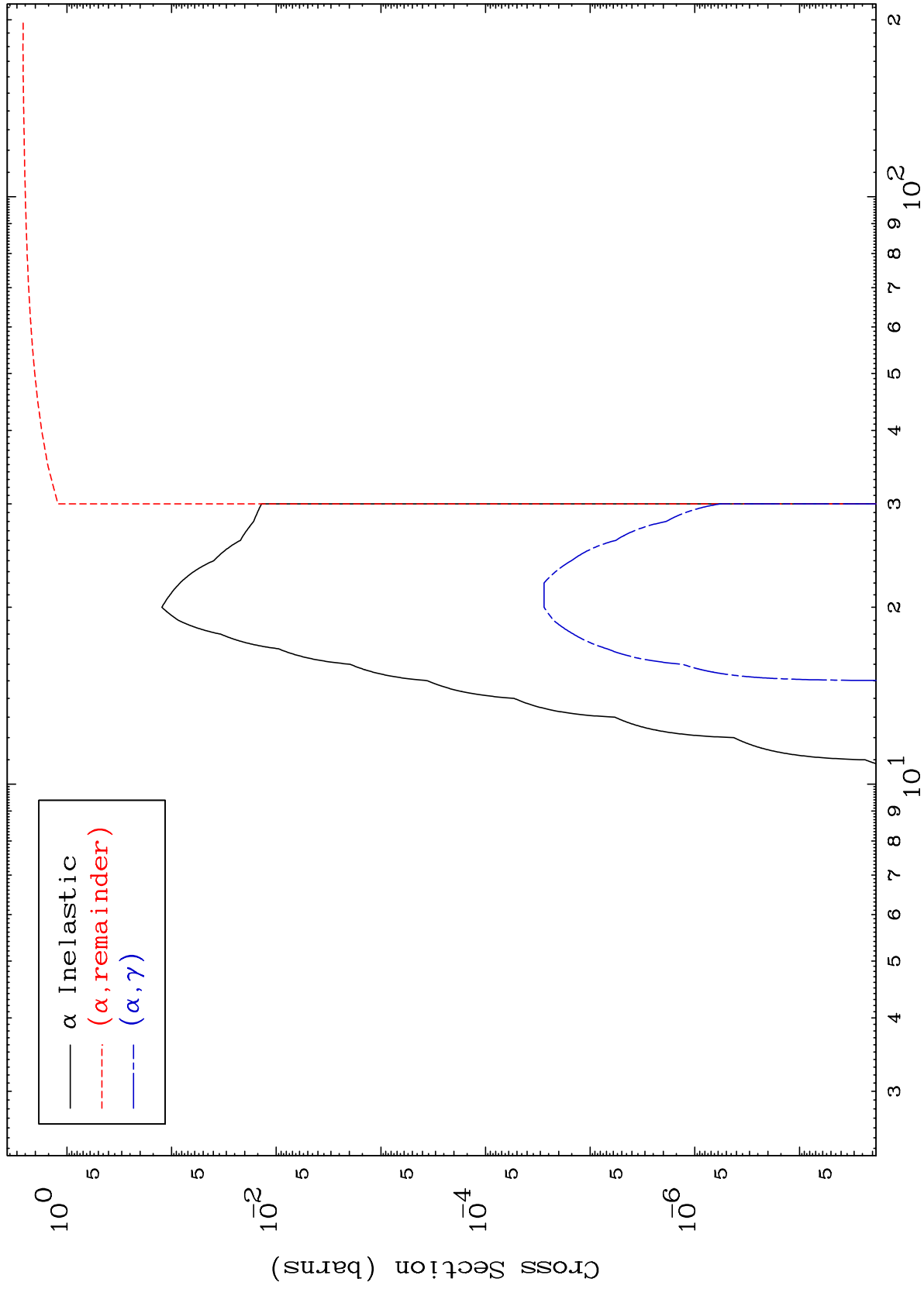
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7320

0 Kelvin α Major

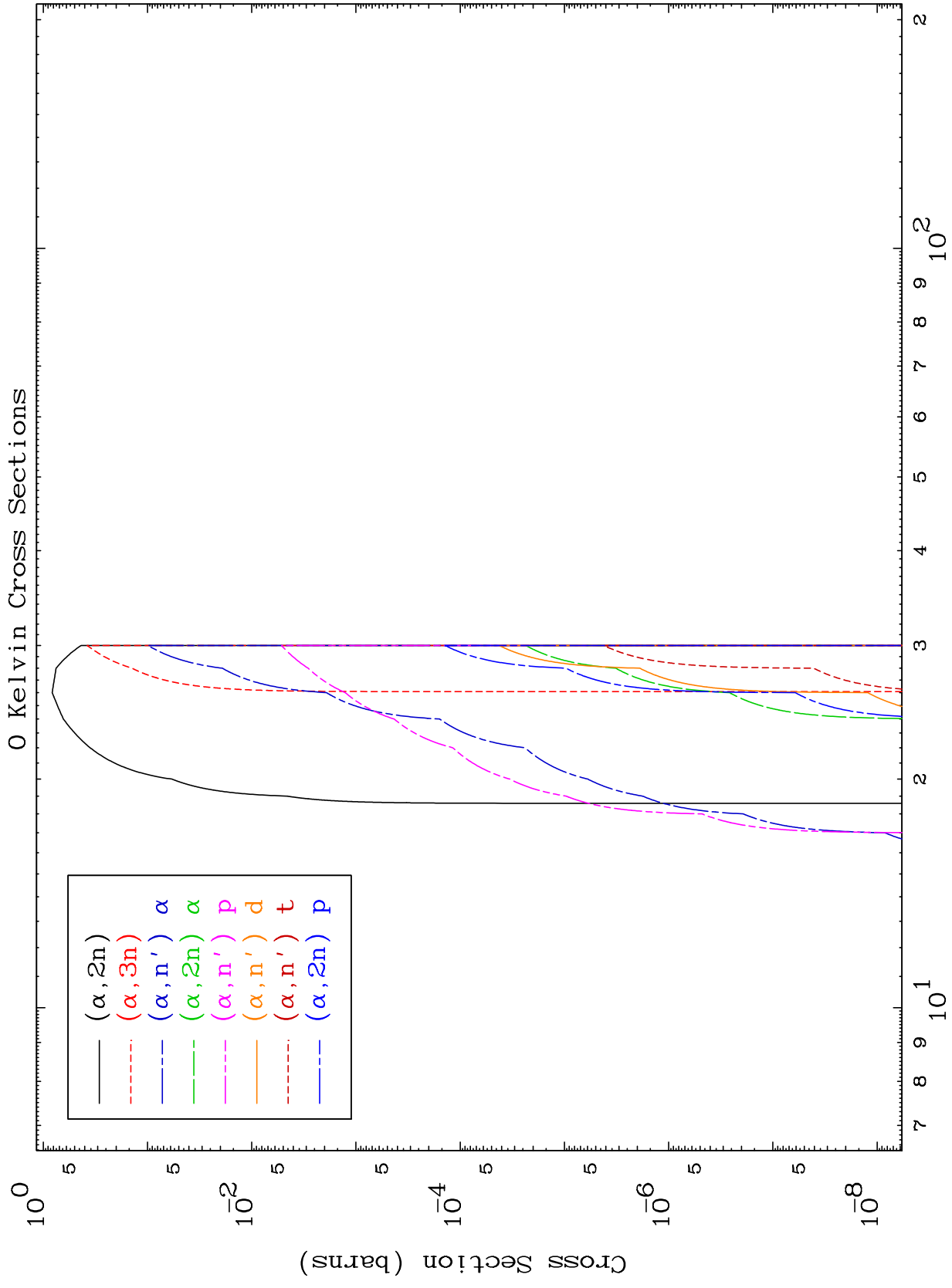
$^{73}\text{Ta-178}$



MAT 7320

α Neutron Production
0 Kelvin Cross Sections

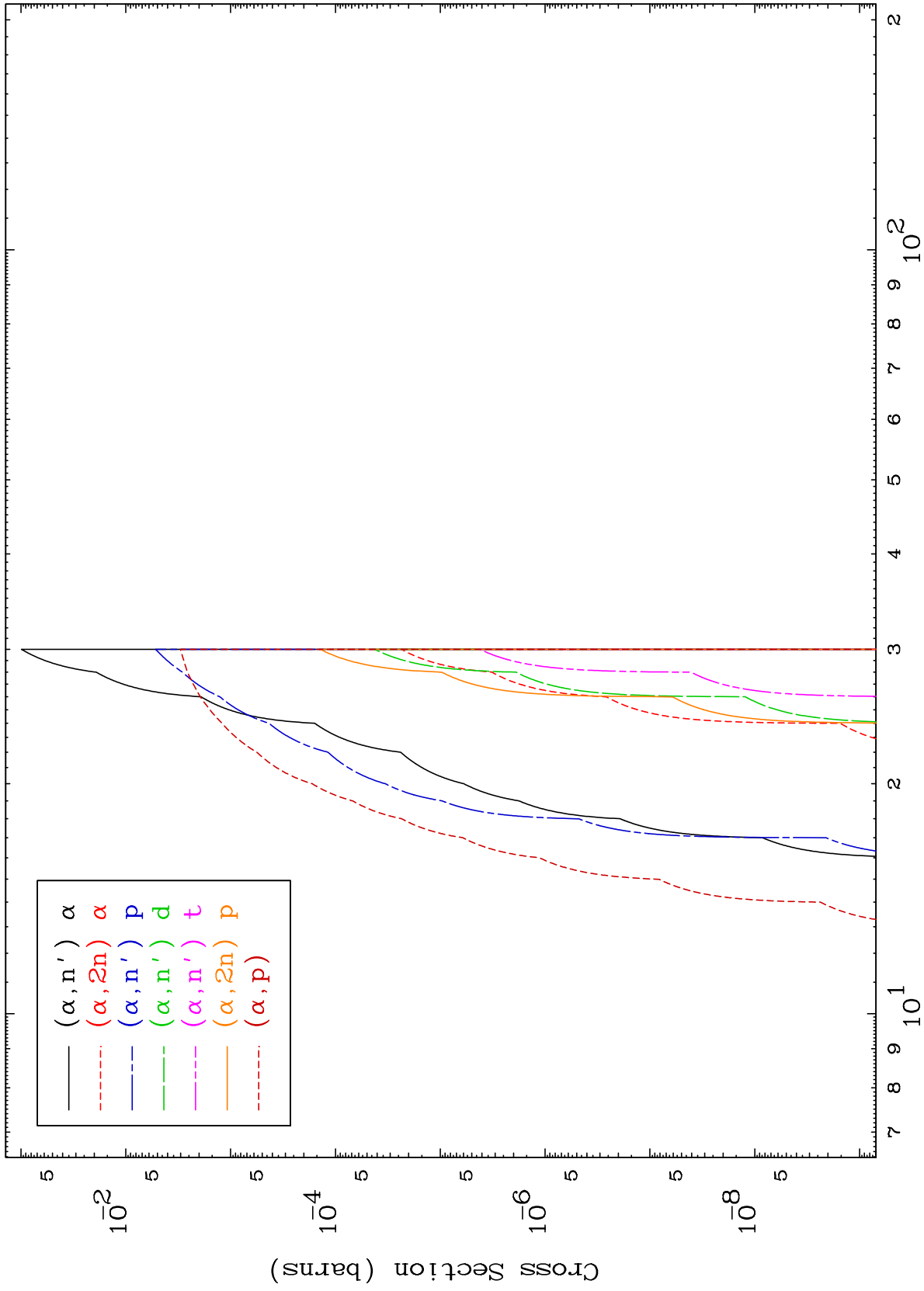
73-Ta-178



2

Incident Energy (MeV)

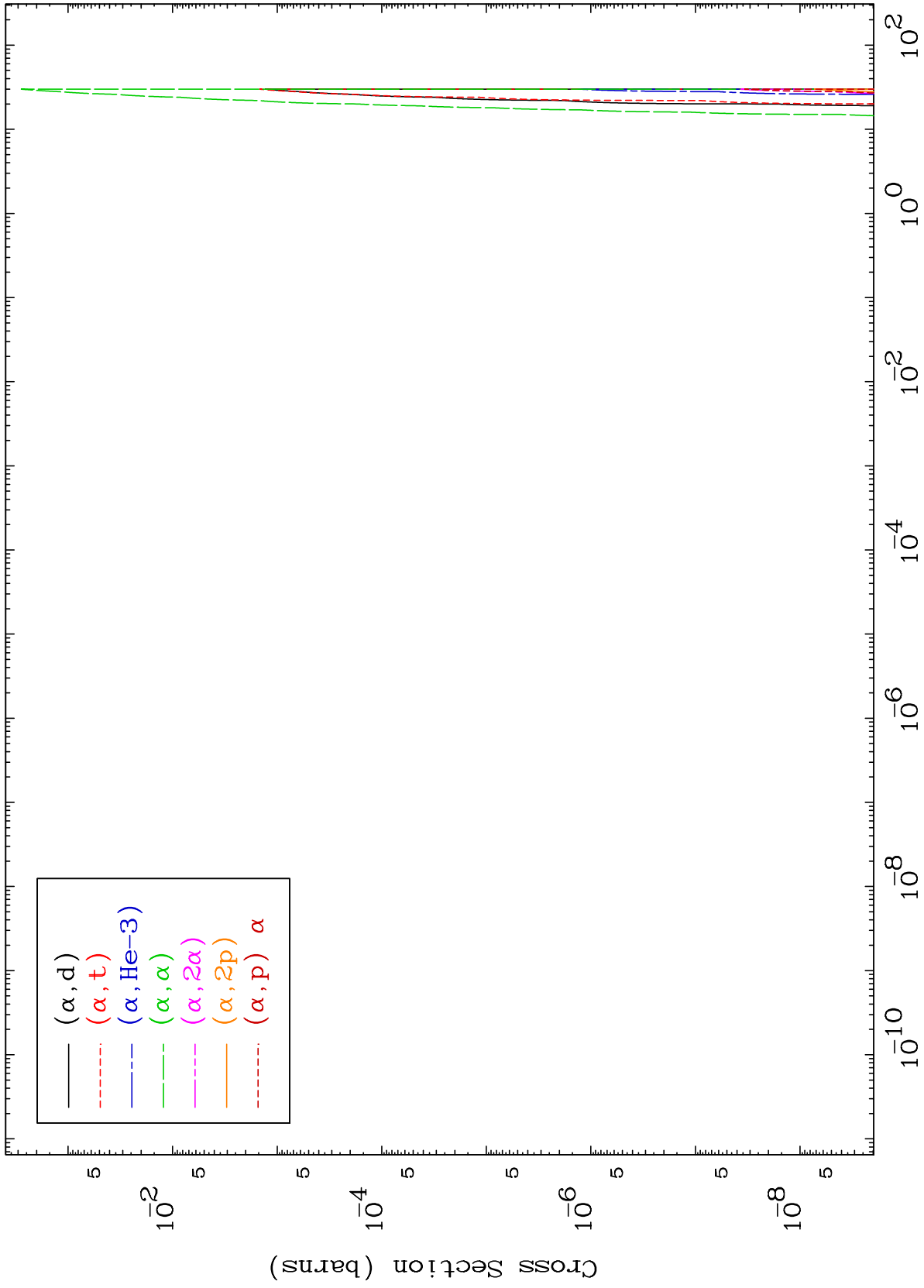
73-Ta-178



MAT 7320

α Charged Particle
0 Kelvin Cross Sections

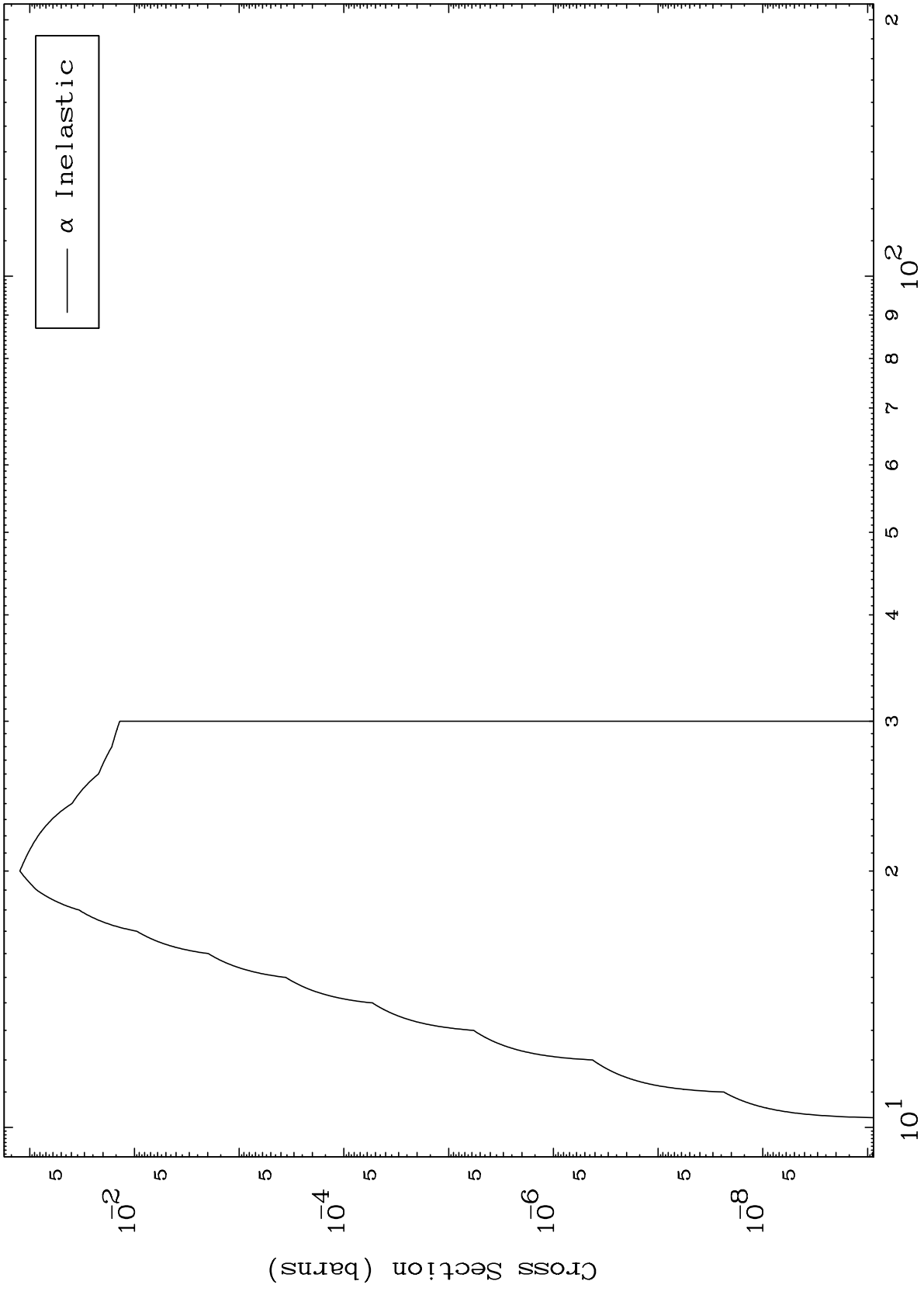
73-Ta-178



MAT 7320

(α, n') Level
0 Kelvin Cross Sections

73-Ta-178



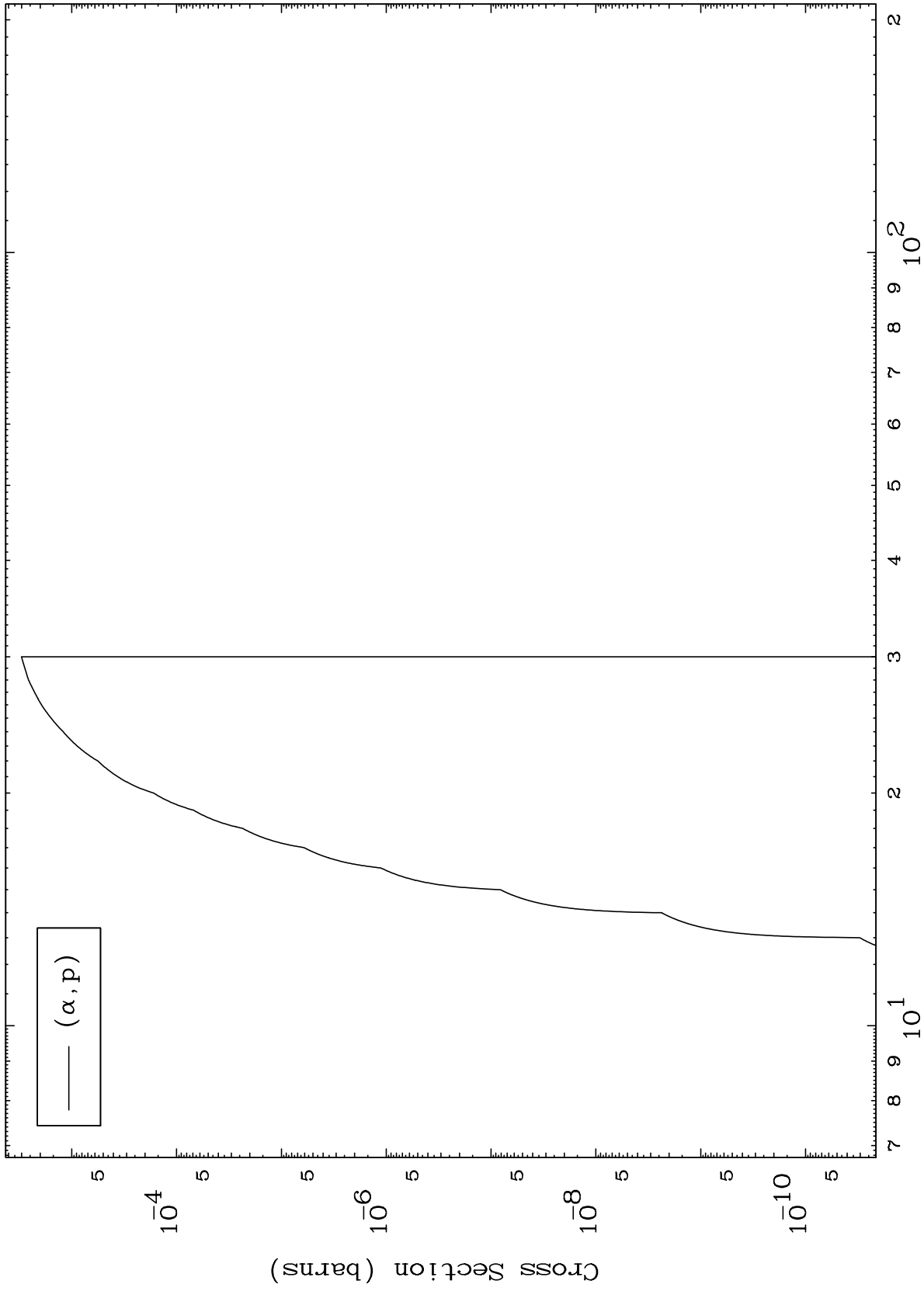
Incident Energy (MeV)

73-Ta-178

MAT 7320

(α, p) Levels
0 Kelvin Cross Sections

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



6

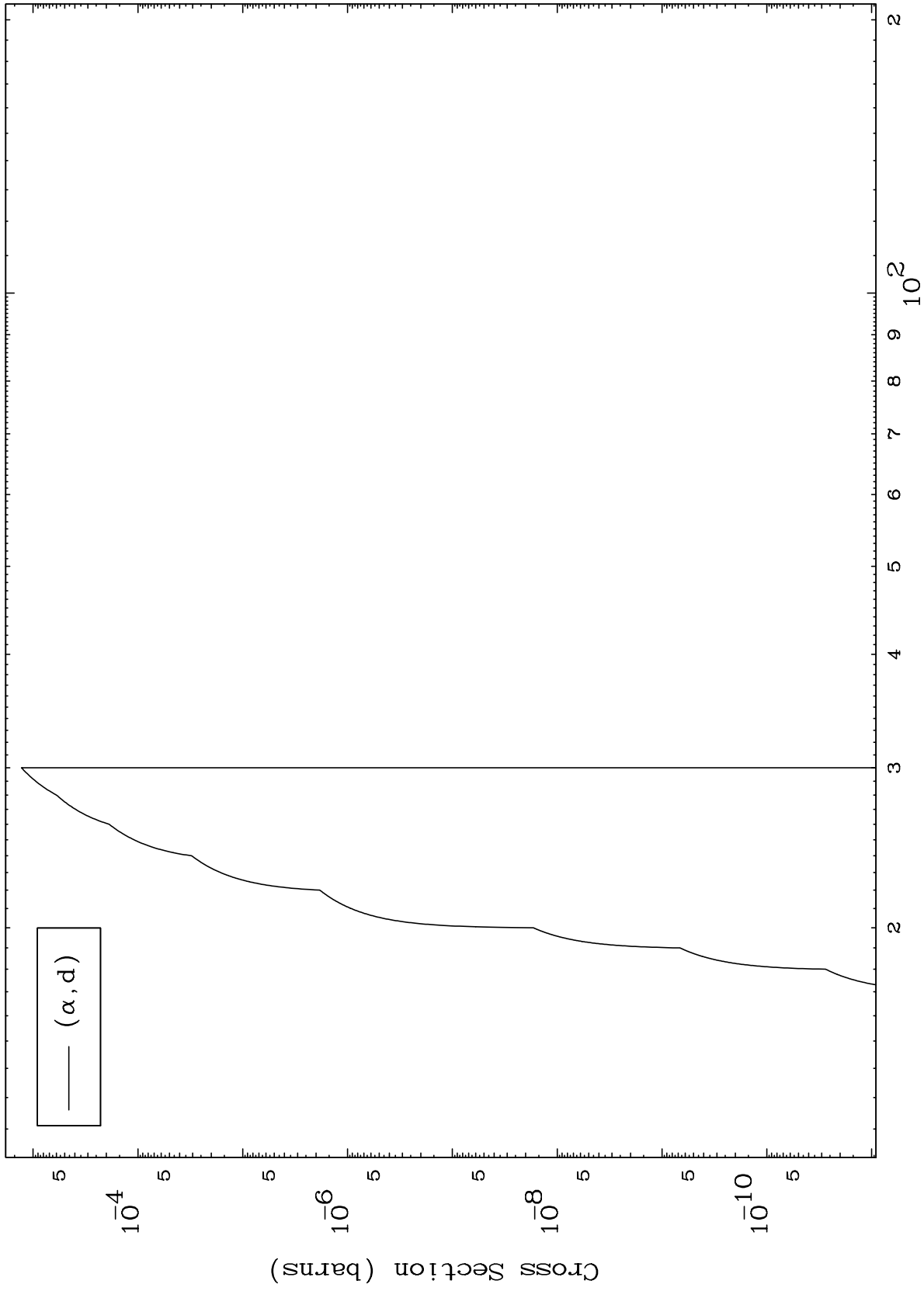
Incident Energy (MeV)

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

MAT 7320

(α, d) Levels
0 Kelvin Cross Sections

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



7

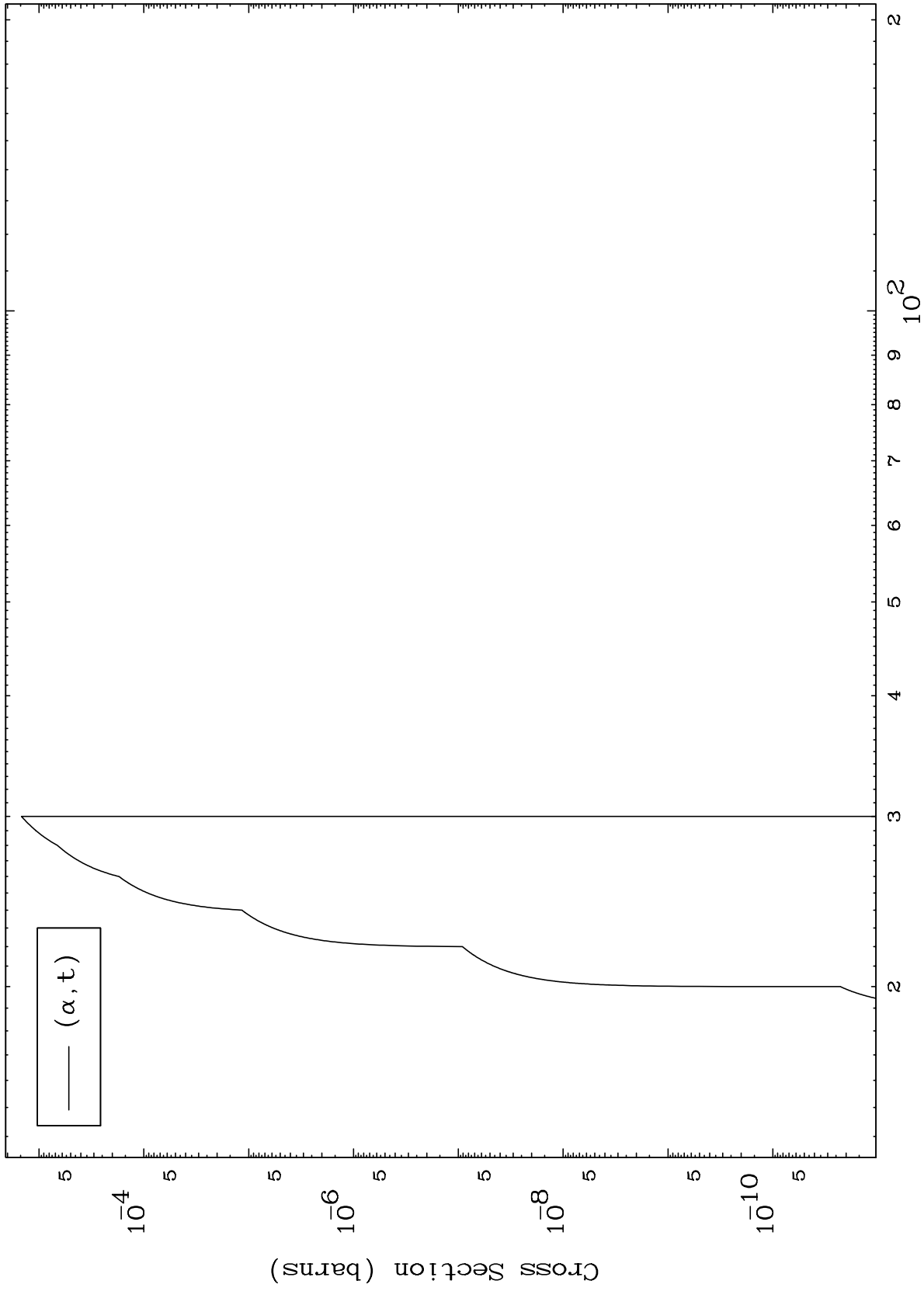
Incident Energy (MeV)

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

MAT 7320

(α, t) Levels
0 Kelvin Cross Sections

⁷³Ta-178



8

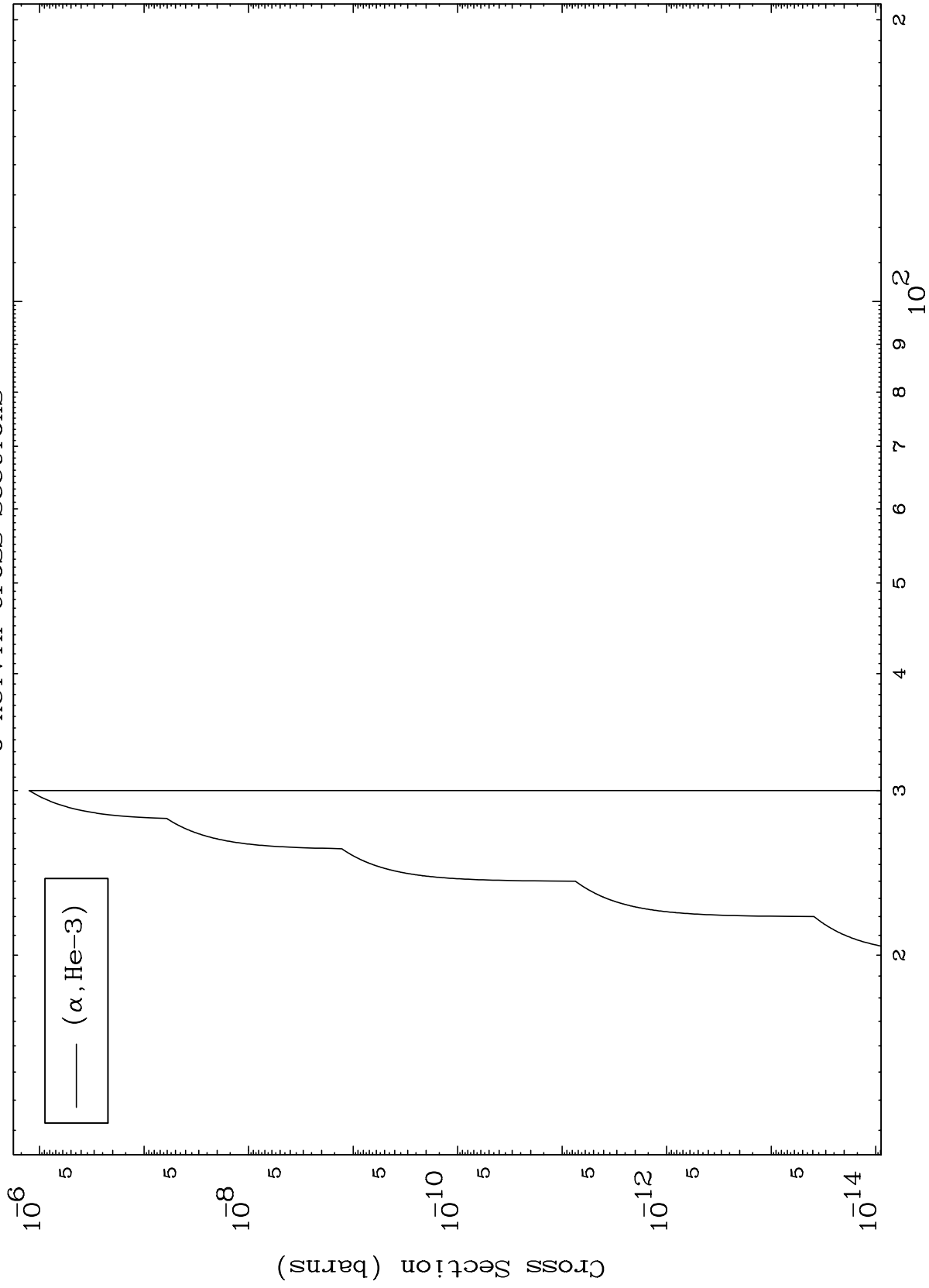
Incident Energy (MeV)

⁷³Ta-178

MAT 7320

(α , He3) Levels
0 Kelvin Cross Sections

73-Ta-178



9

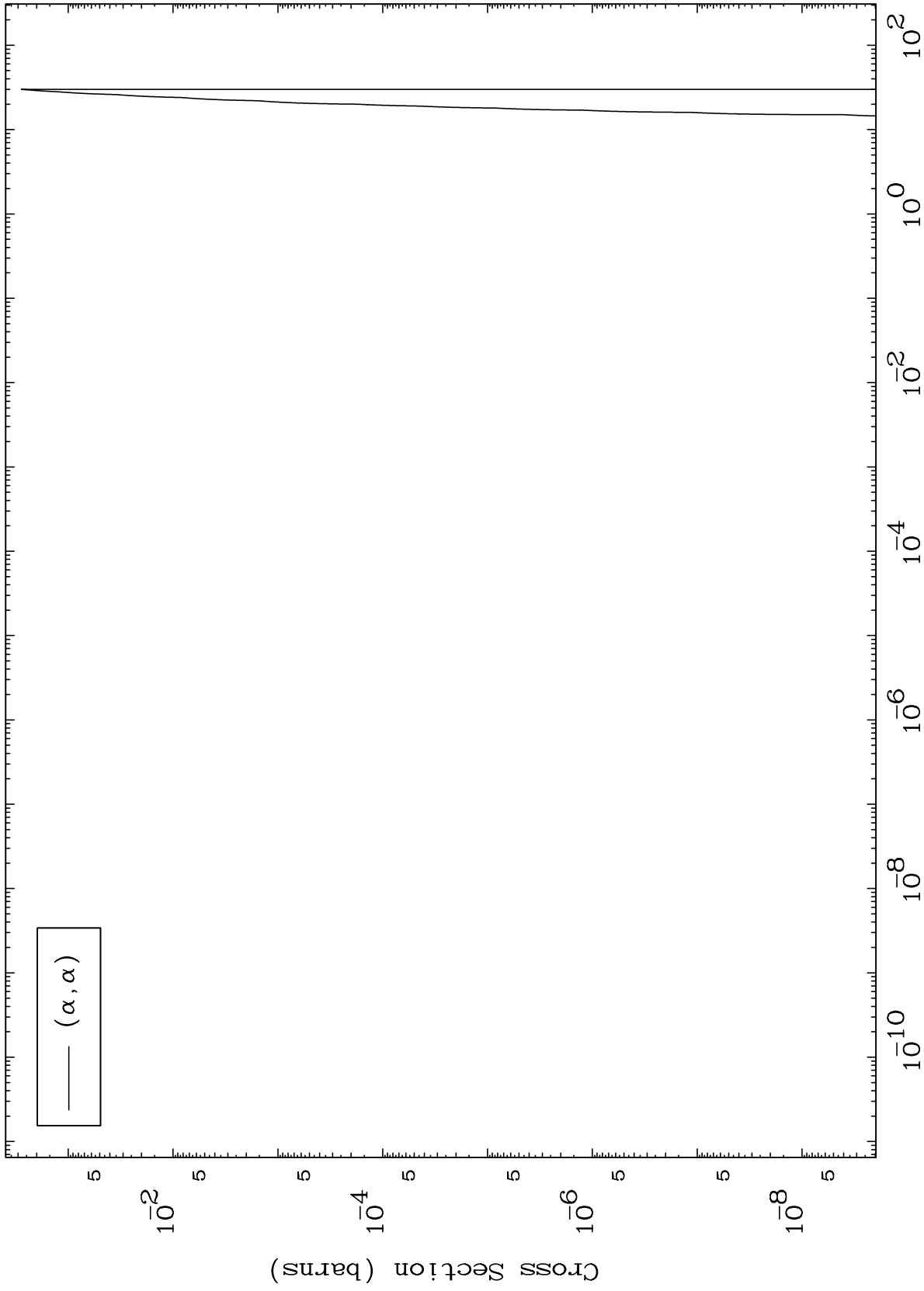
Incident Energy (MeV)

73-Ta-178

MAT 7320

(α, α) Levels
0 Kelvin Cross Sections

73-Ta-178



10

Incident Energy (MeV)

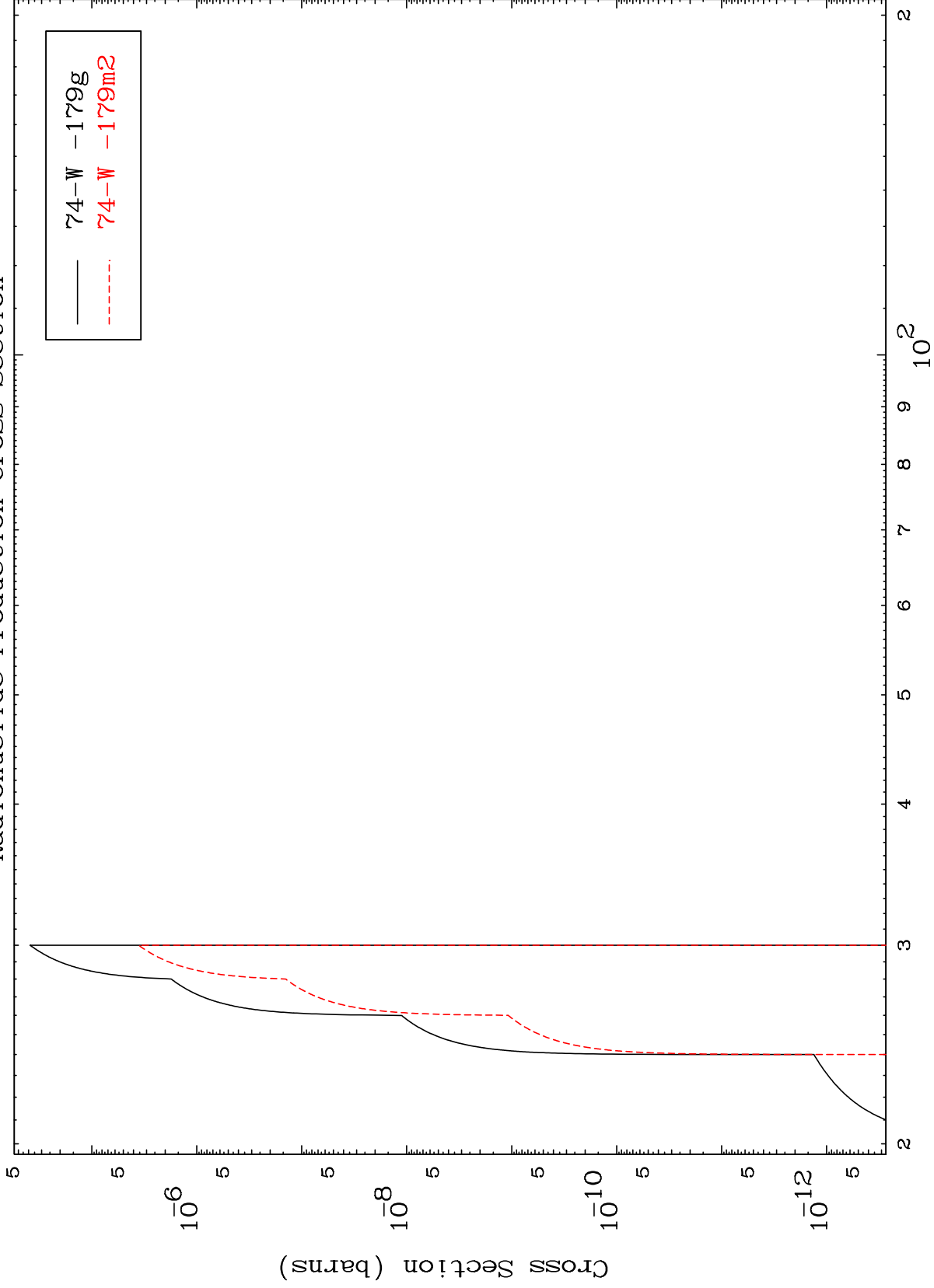
73-Ta-178

MAT 7320

(α, n') d

73-Ta-178

Radionuclide Production Cross Section



11

Incident Energy (MeV)

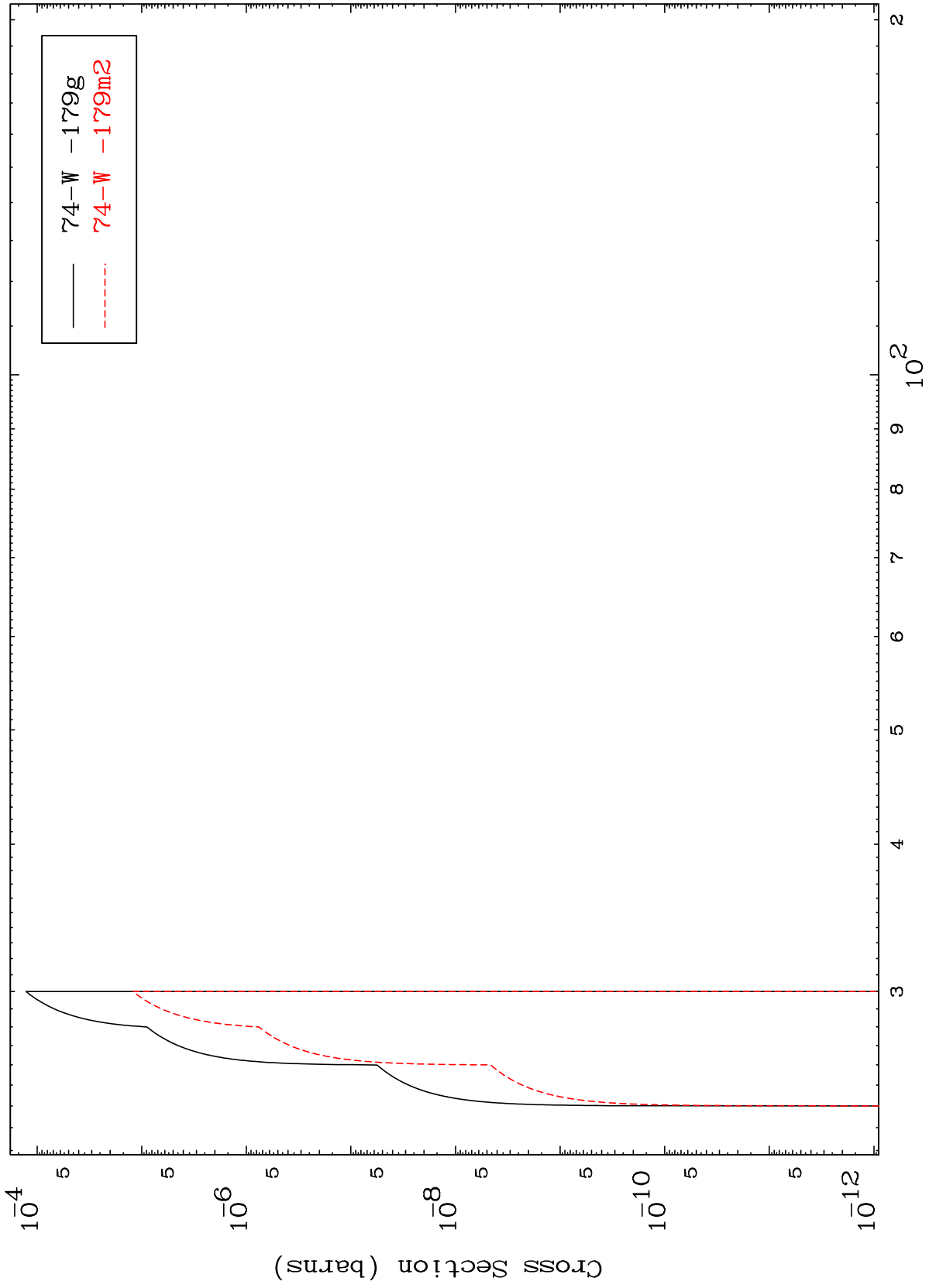
73-Ta-178

MAT 7320

($\alpha, 2n$) p

73-Ta-178

Radionuclide Production Cross Section



12

Incident Energy (MeV)

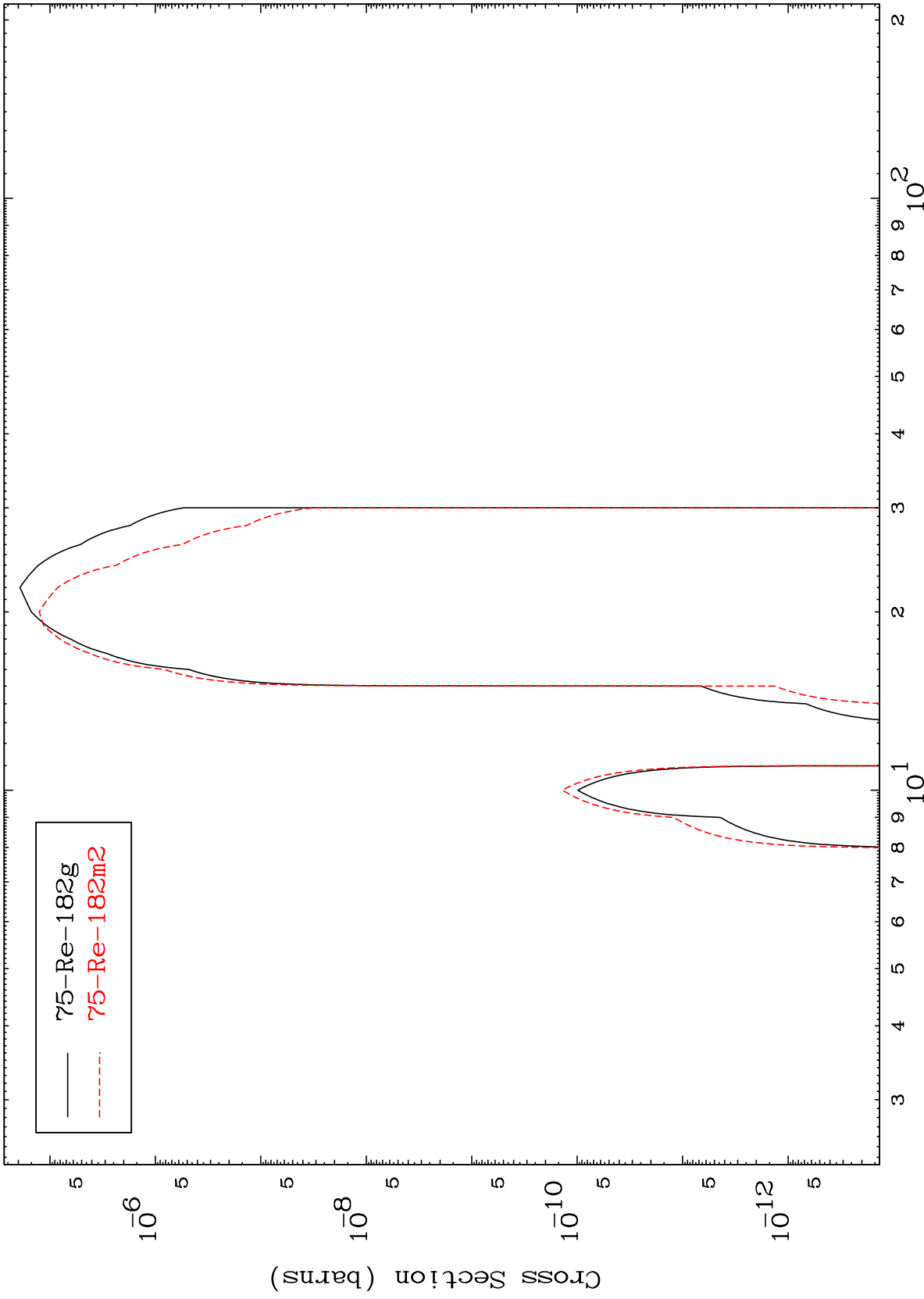
73-Ta-178

MAT 7320

⁷³Ta-178

Radionuclide Production Cross Section

(α, γ)



13

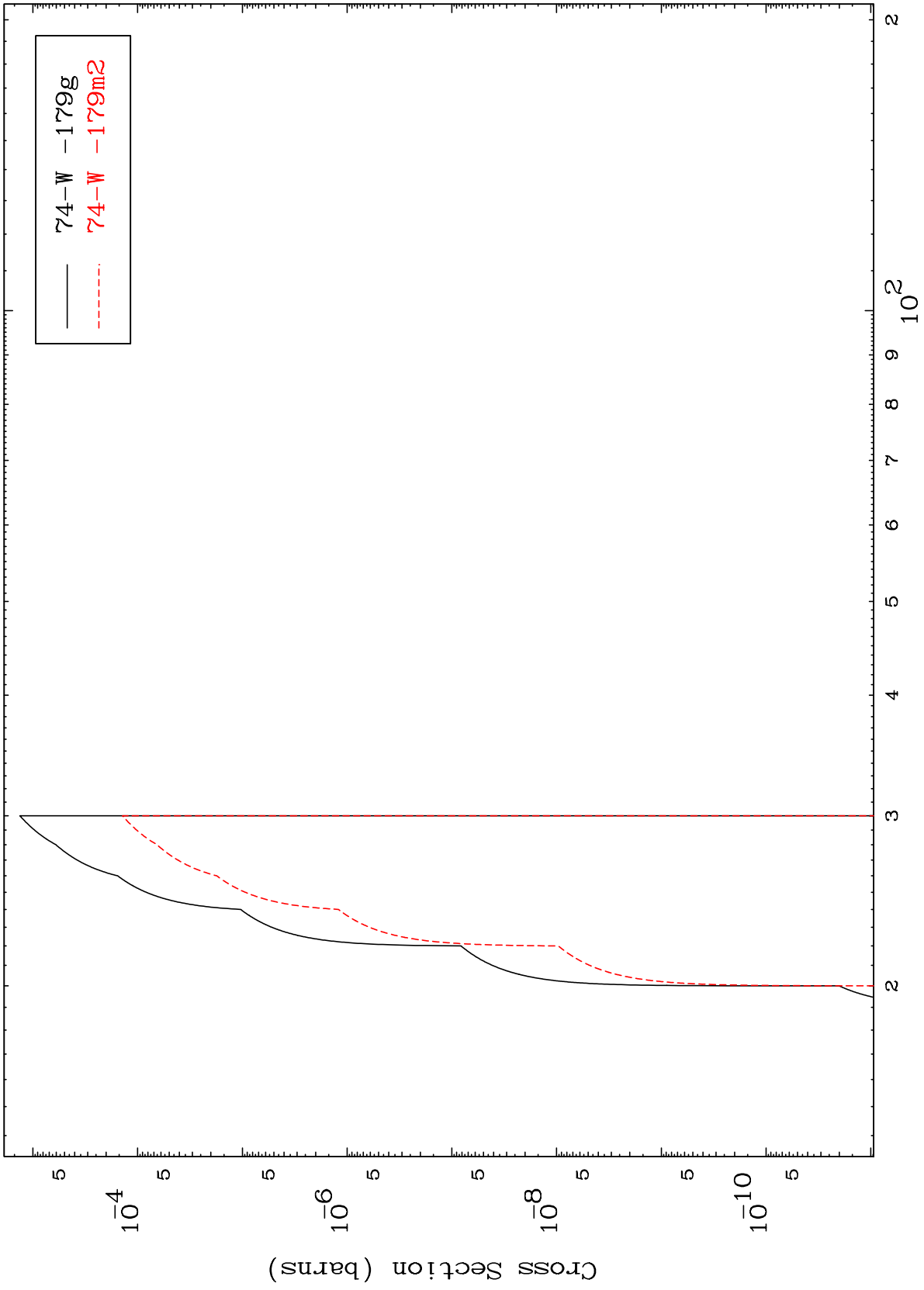
Incident Energy (MeV)

⁷³Ta-178

MAT 7320

73-Ta-178

(α, t)
Radionuclide Production Cross Section



14

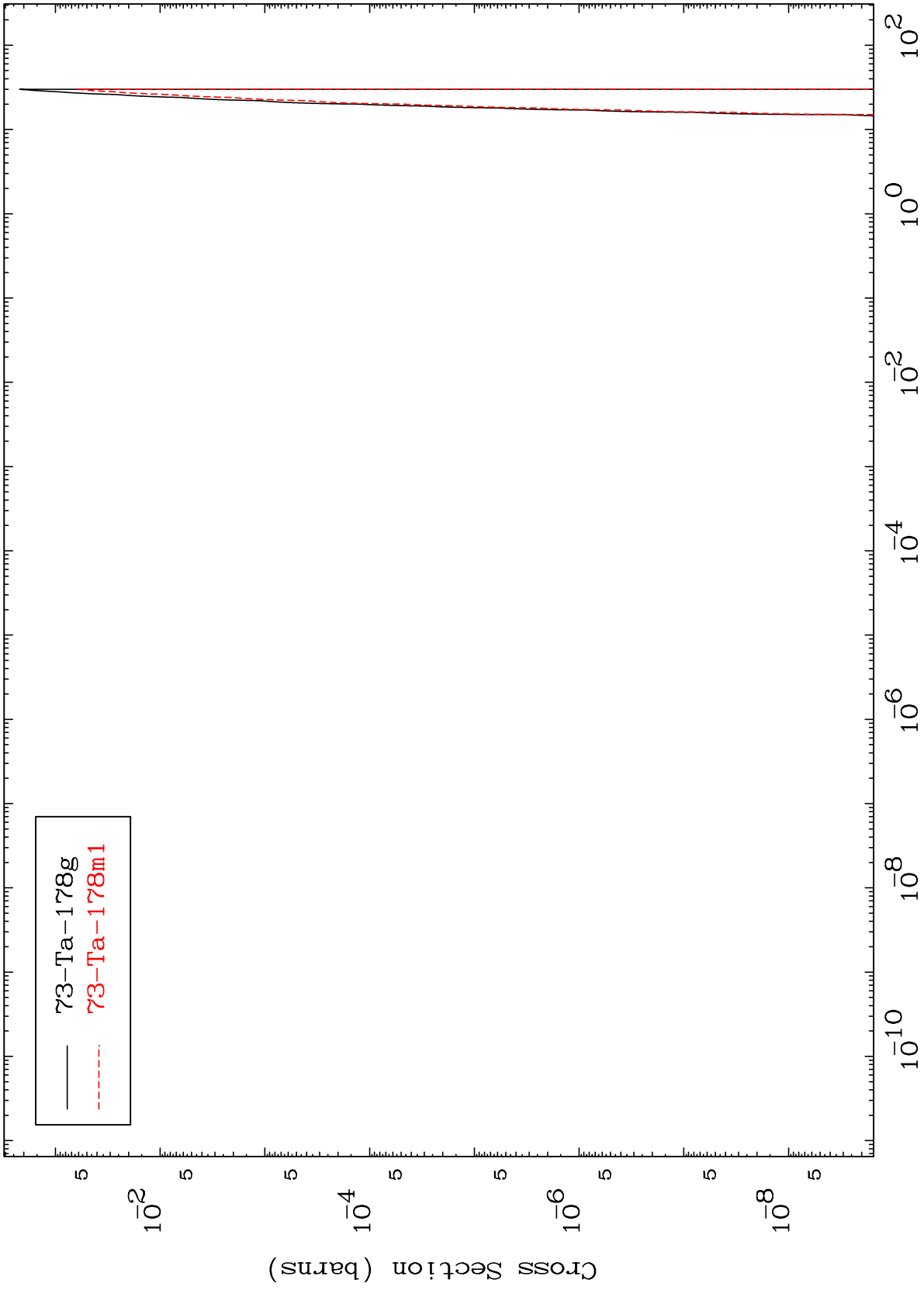
Incident Energy (MeV)

73-Ta-178

MAT 7320

(α, α)
Radionuclide Production Cross Section

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



15

Incident Energy (MeV)

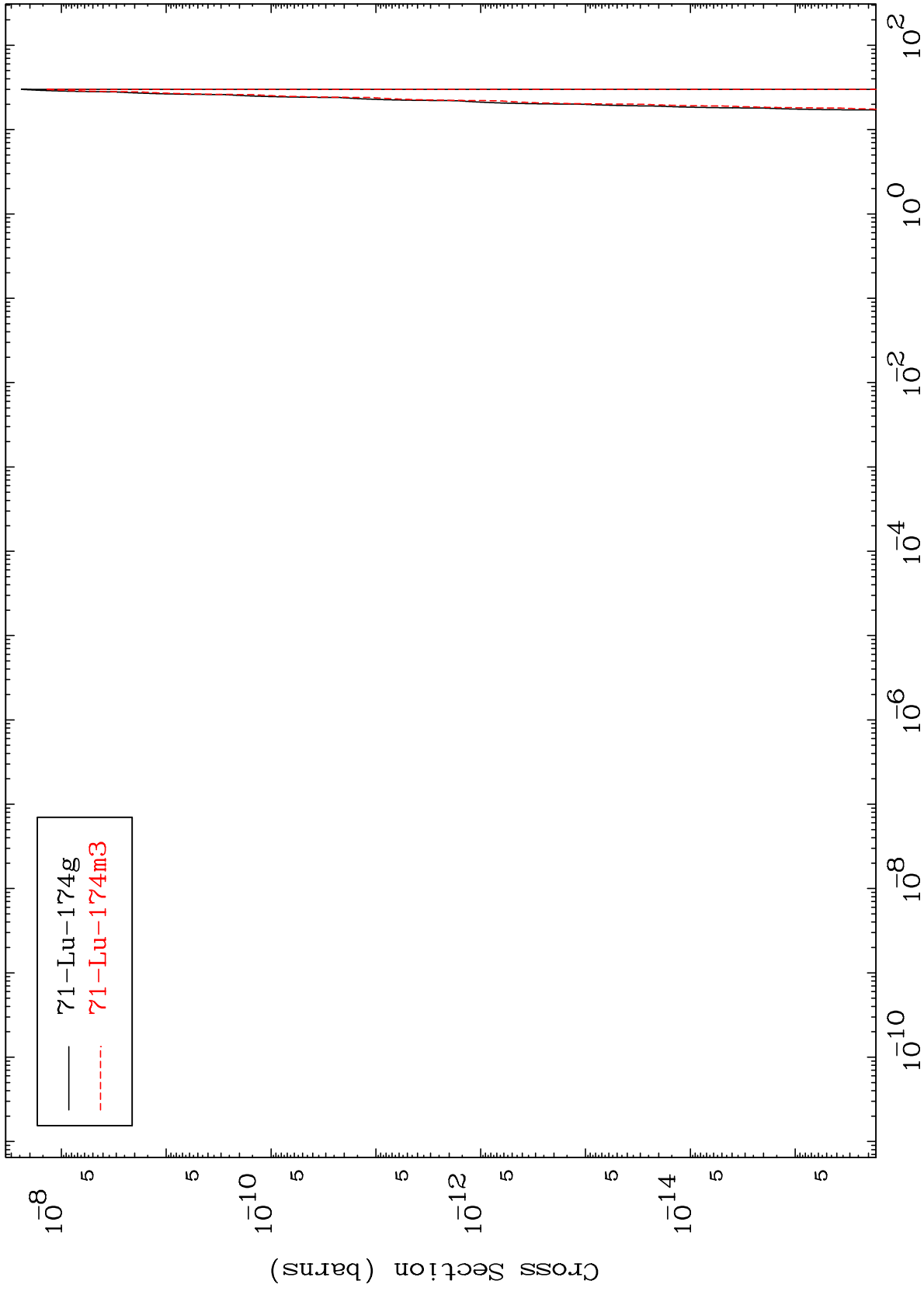
$^{73}\text{Ta-178}$

MAT 7320

($\alpha, 2\alpha$)

⁷³Ta-178

Radionuclide Production Cross Section



16

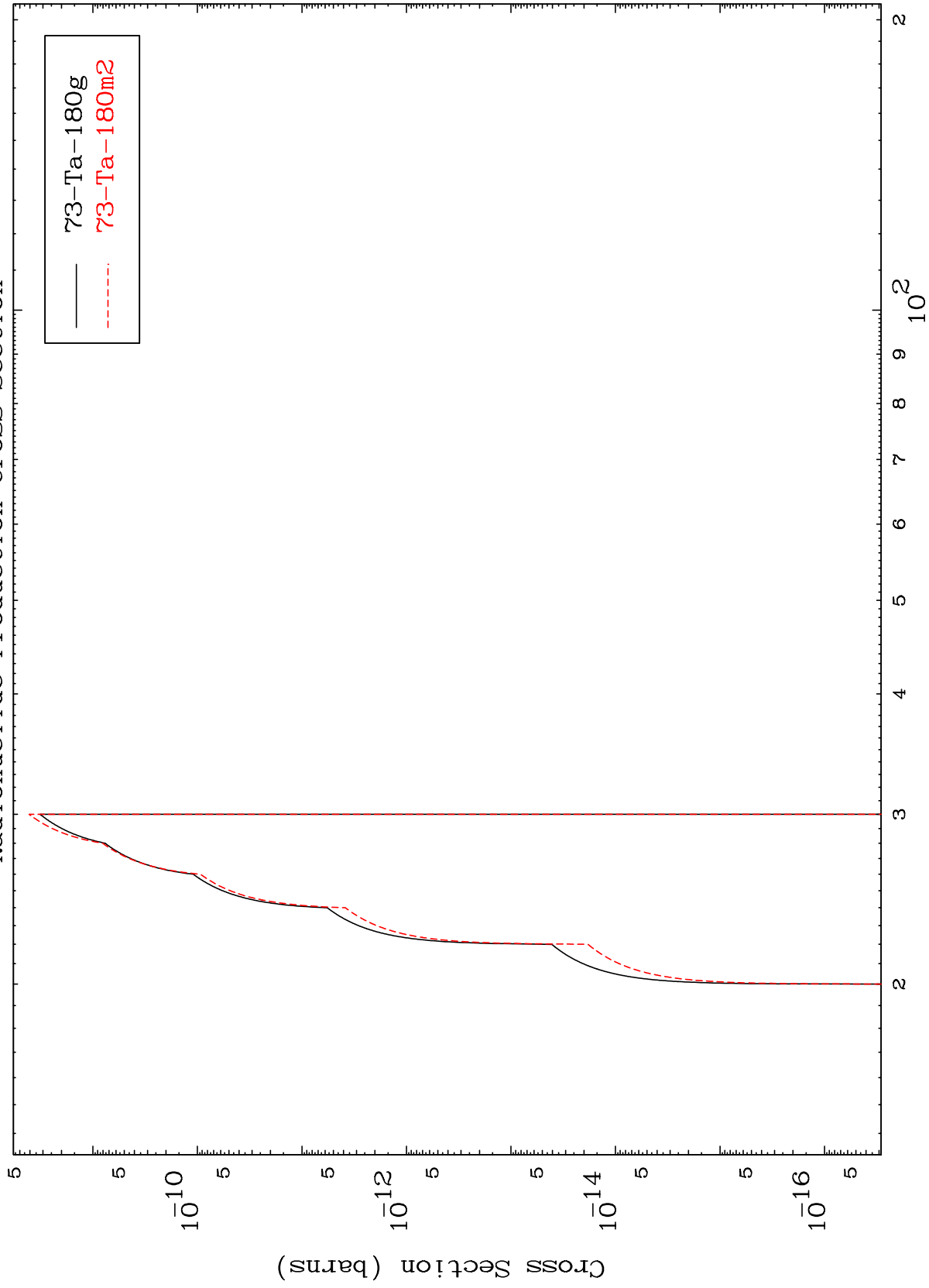
Incident Energy (MeV)

⁷³Ta-178

MAT 7320

⁷³Ta-178

($\alpha, 2p$)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

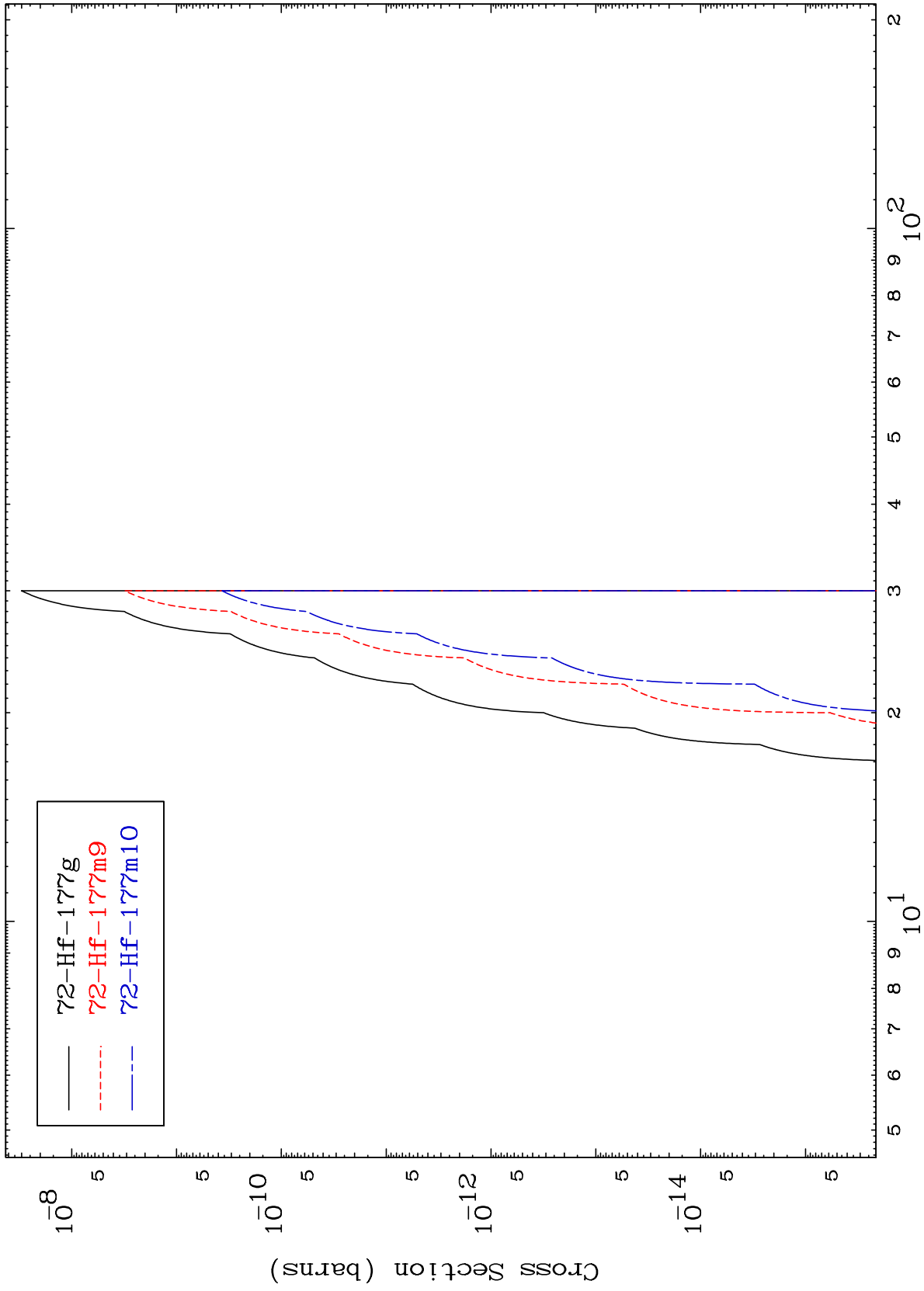
⁷³Ta-178

MAT 7320

(α, p) α

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

Radionuclide Production Cross Section



18

Incident Energy (MeV)

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