

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

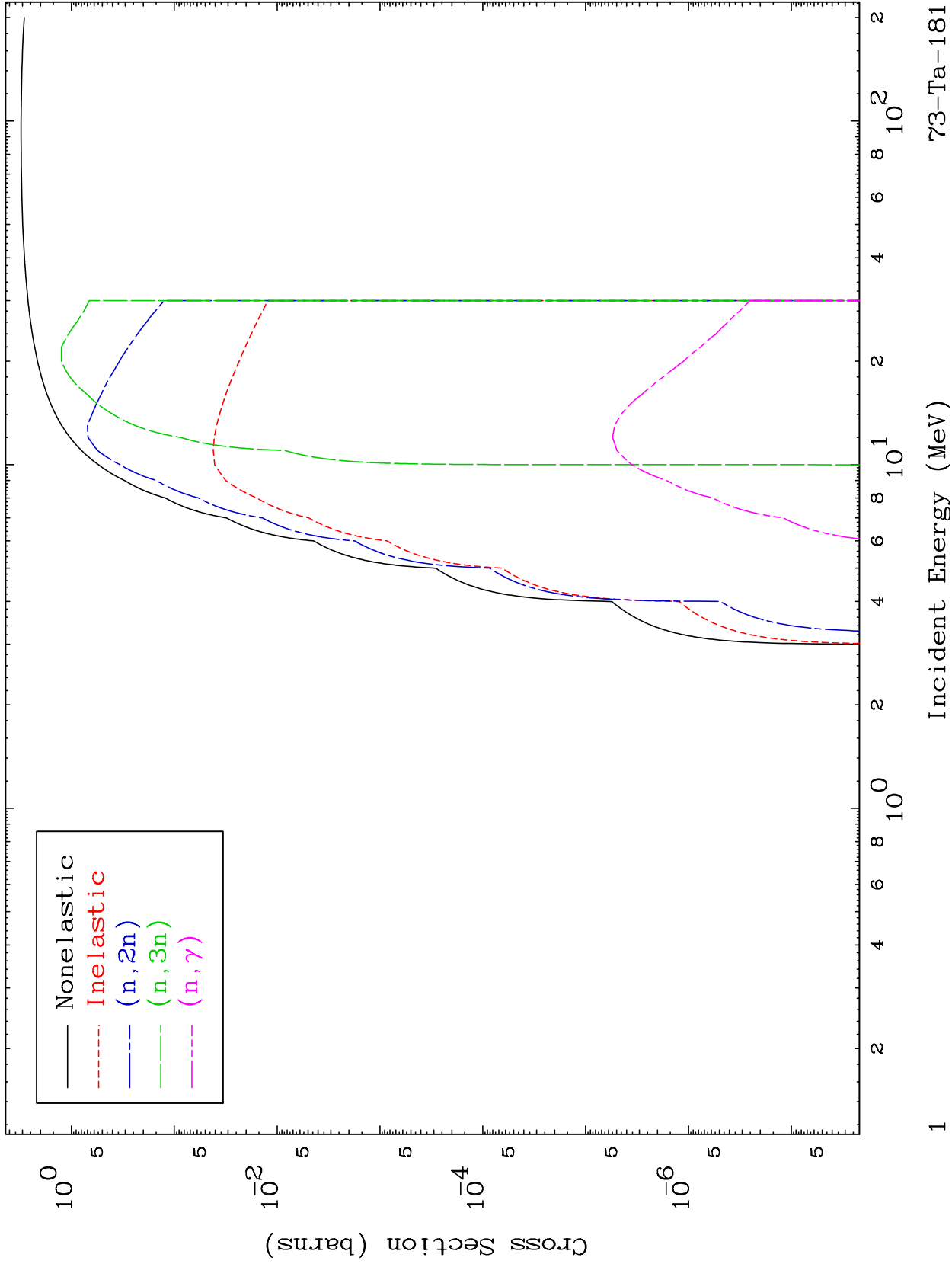
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Web: redcullen1.net/HOMEPAGE.NEW

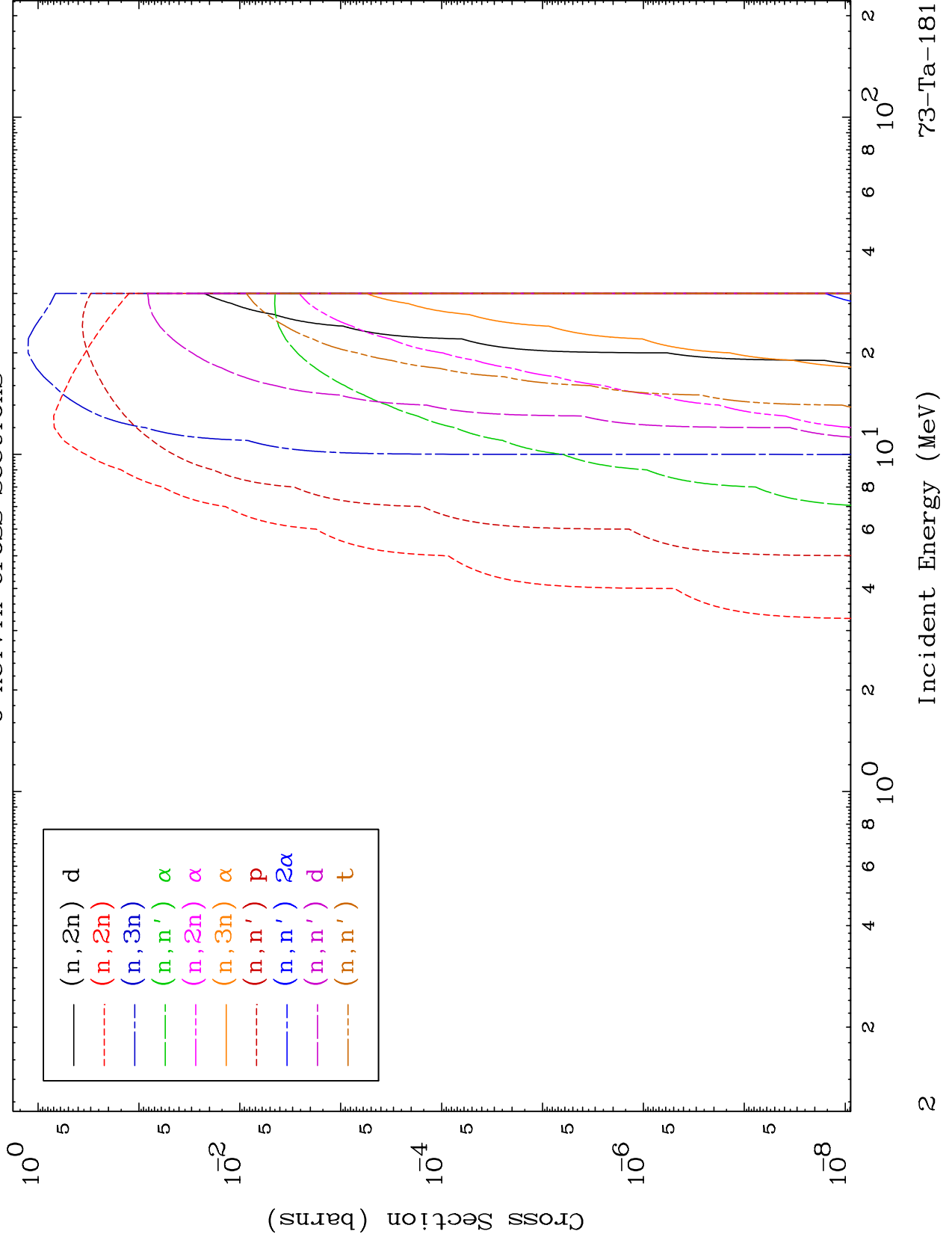
Press Mouse Button to Start



MAT 7328

Deuteron Neutron Absorption
0 Kelvin Cross Sections

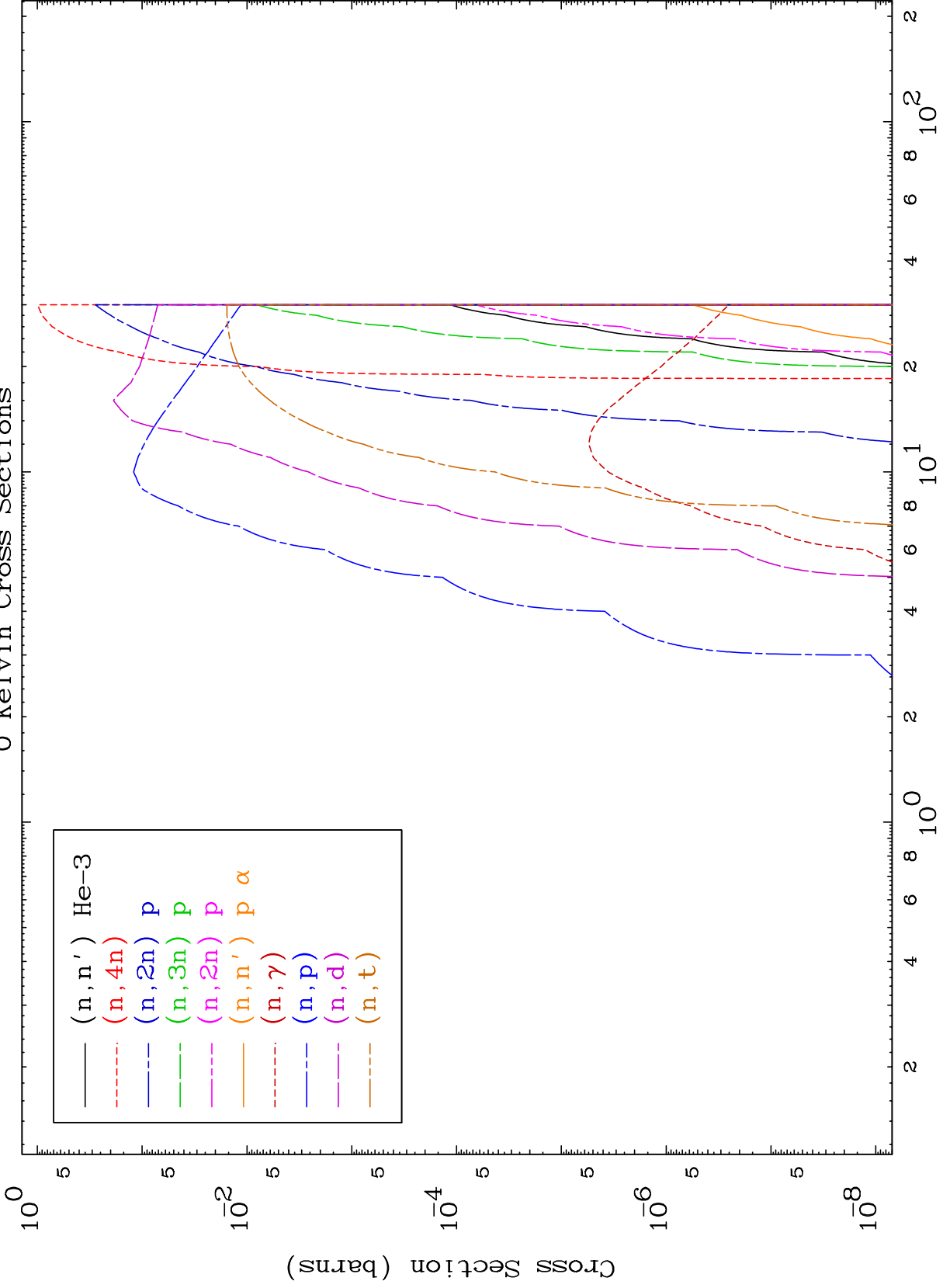
73-Ta-181

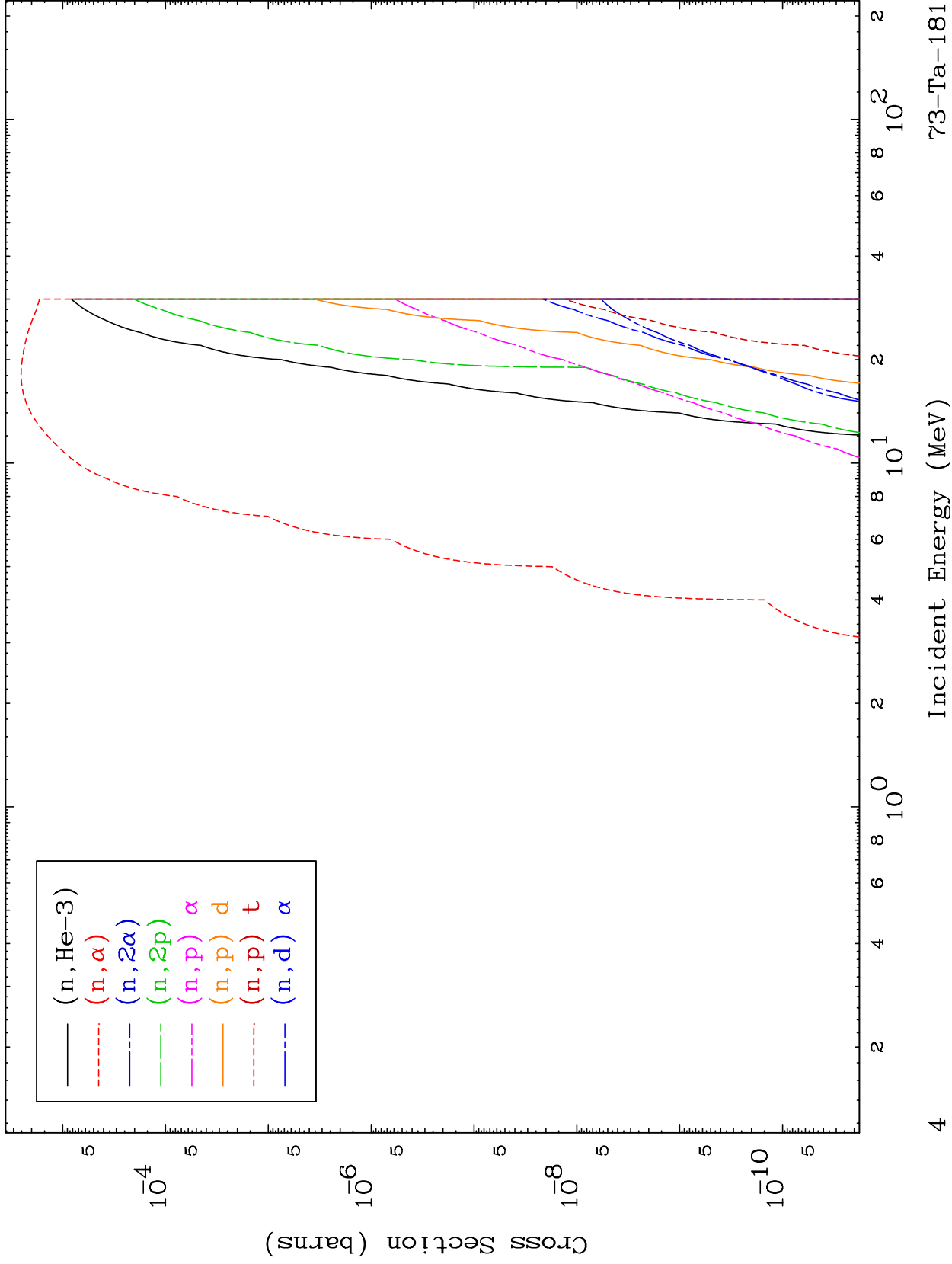


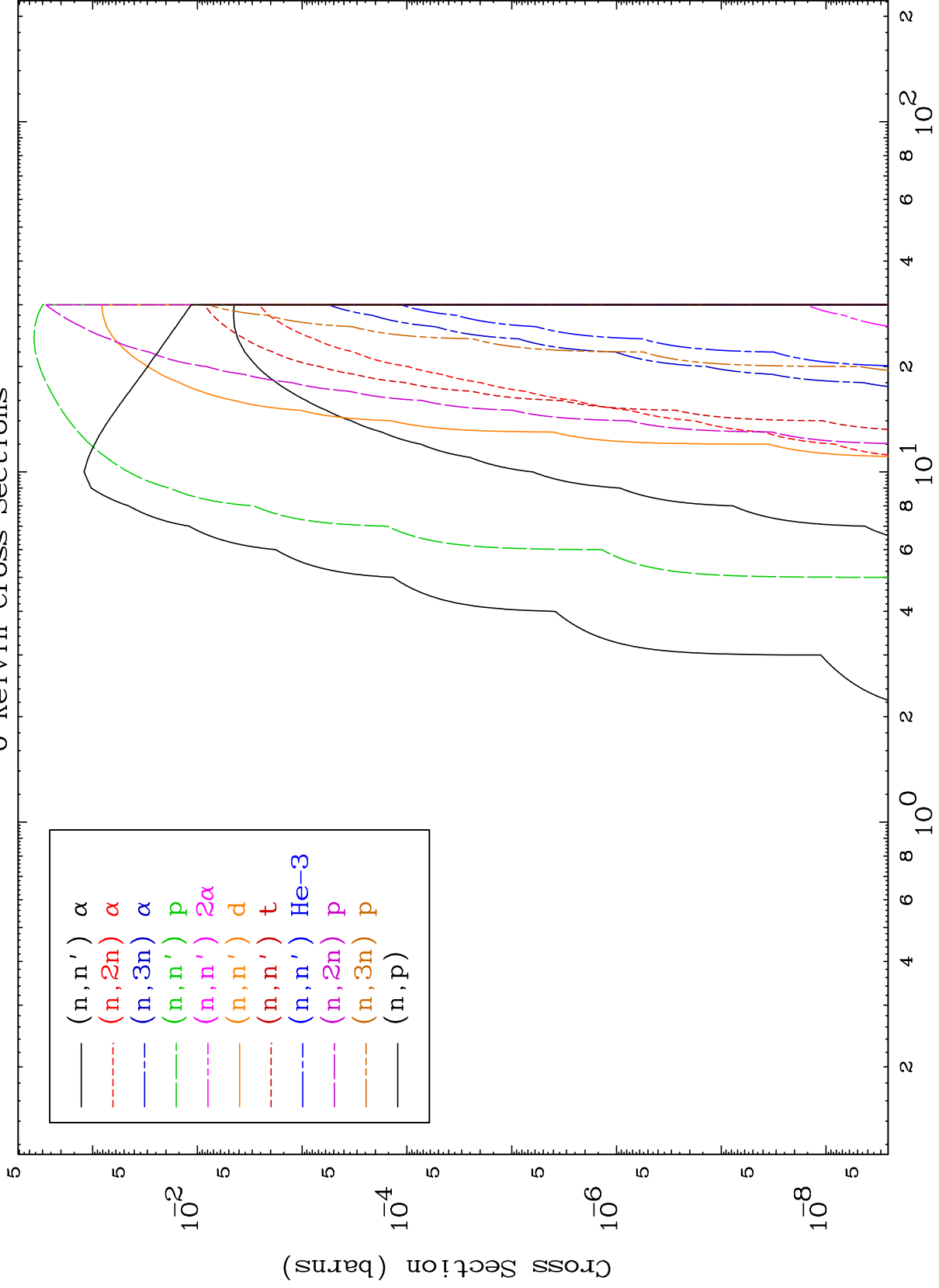
MAT 7328

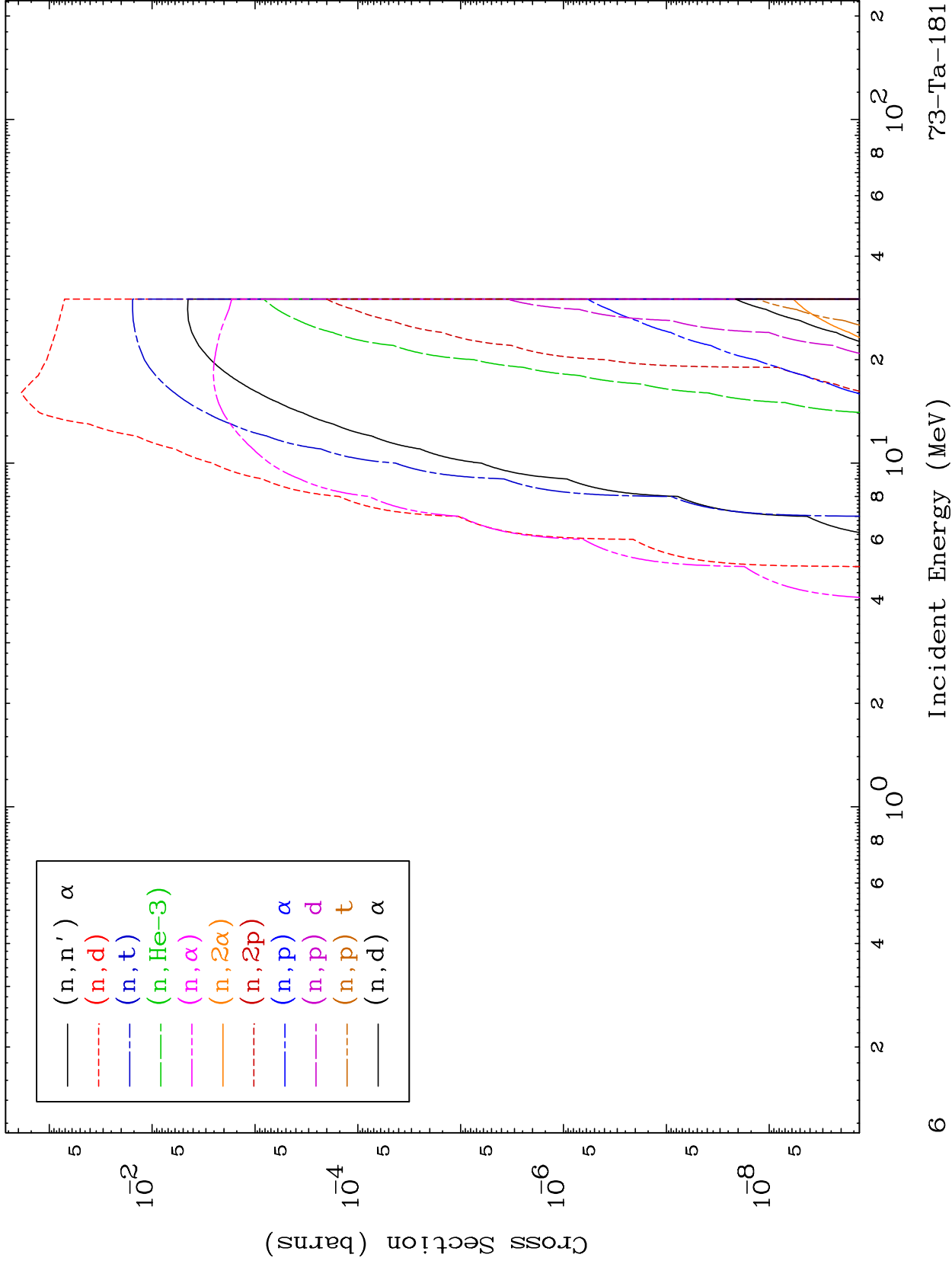
Deuteron Neutron Absorption
0 Kelvin Cross Sections

73-Ta-181





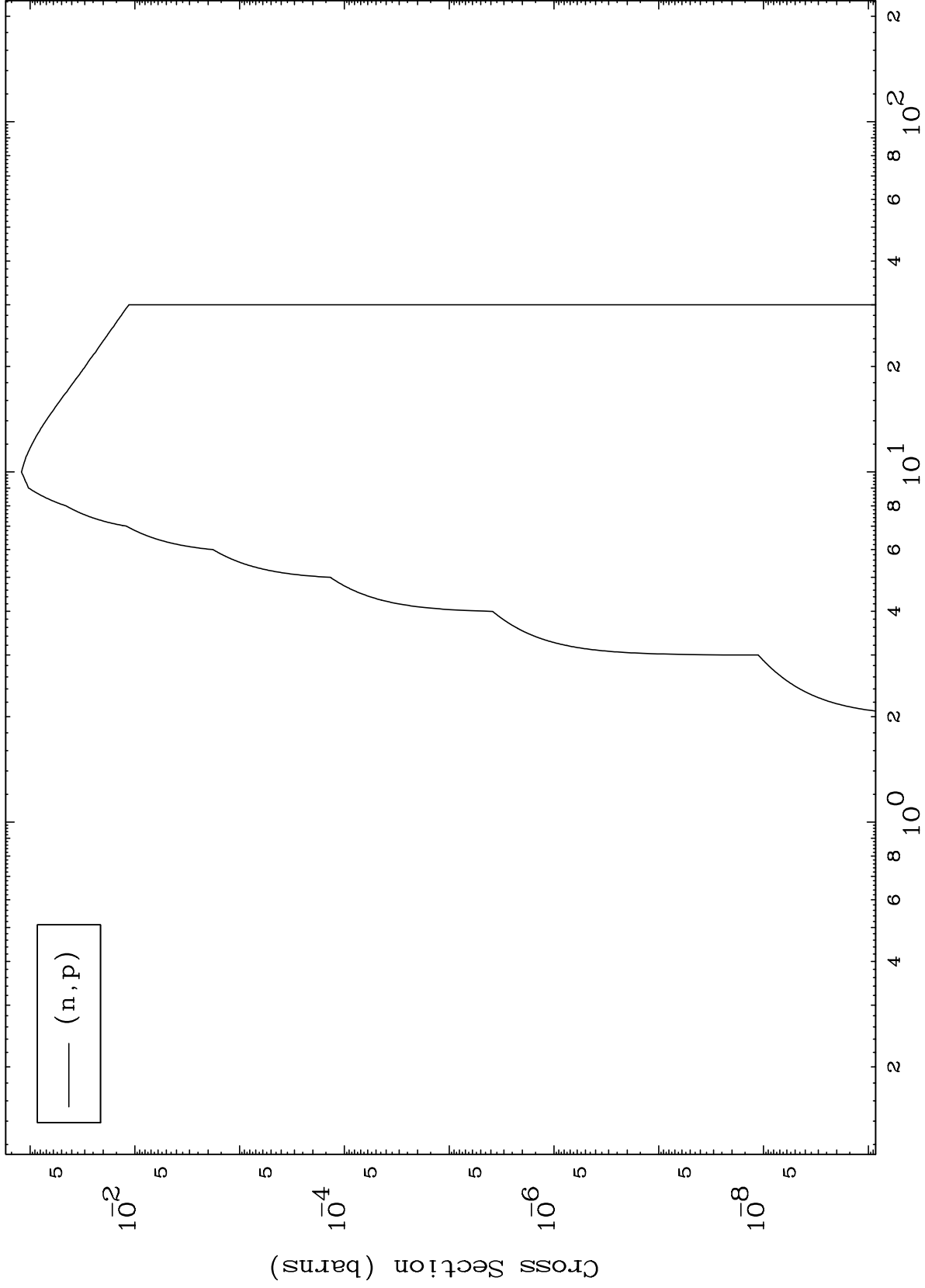




MAT 7328

73-Ta-181

(d,p) Levels
0 Kelvin Cross Sections



7

Incident Energy (MeV)

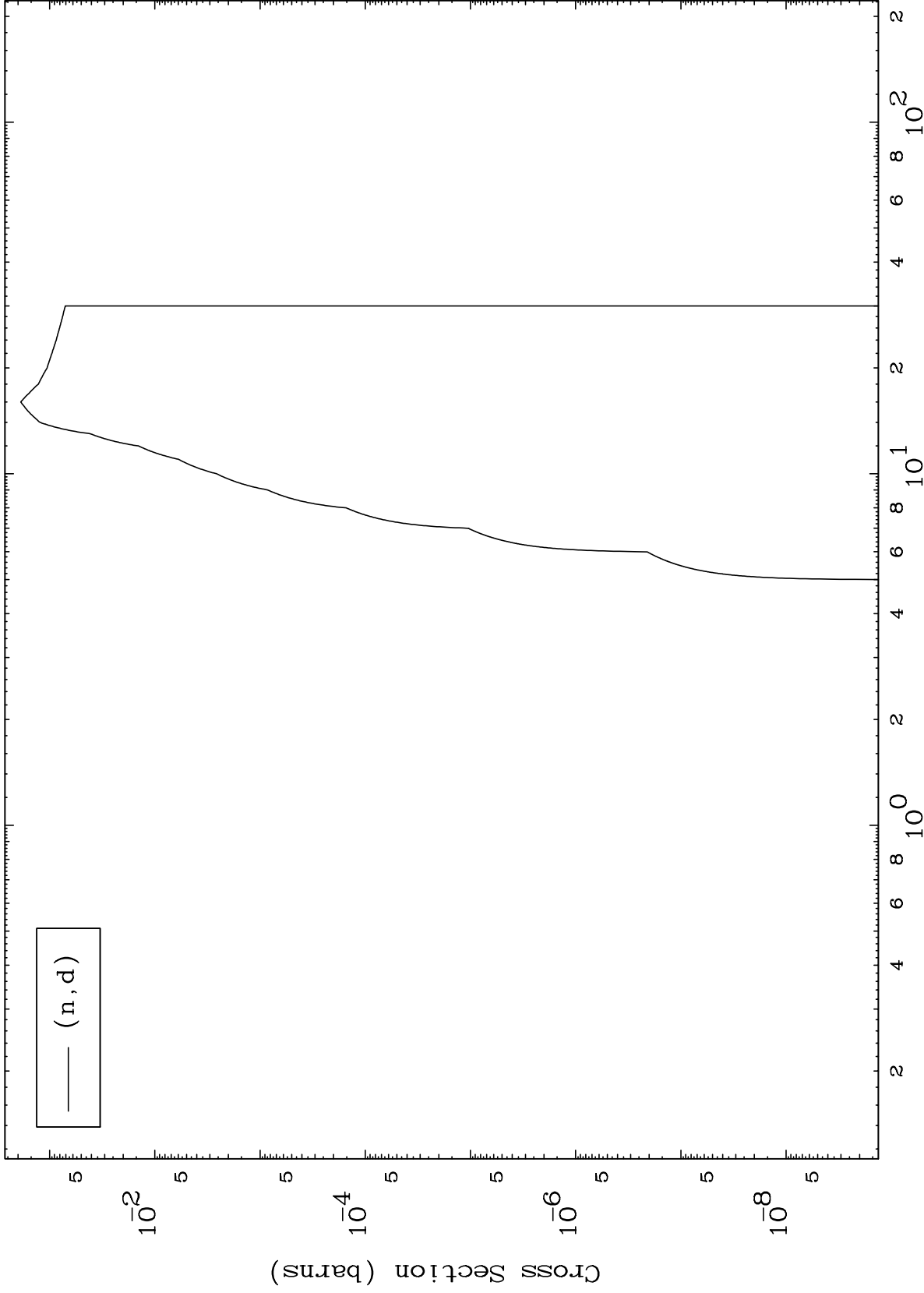
73-Ta-181

MAT 7328

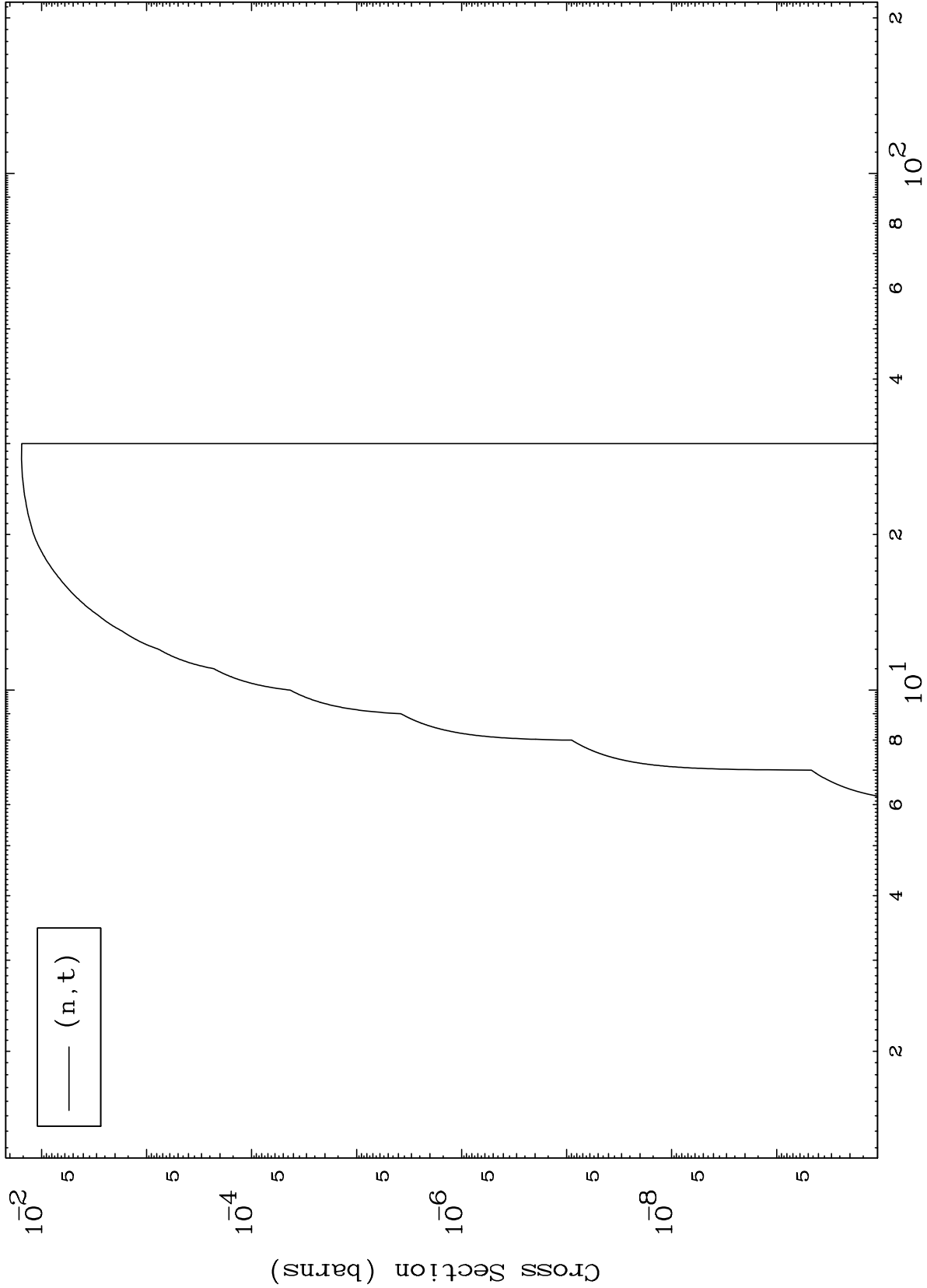
(d,d) Levels

⁷³Ta-181

0 Kelvin Cross Sections



(d,t) Levels
0 Kelvin Cross Sections

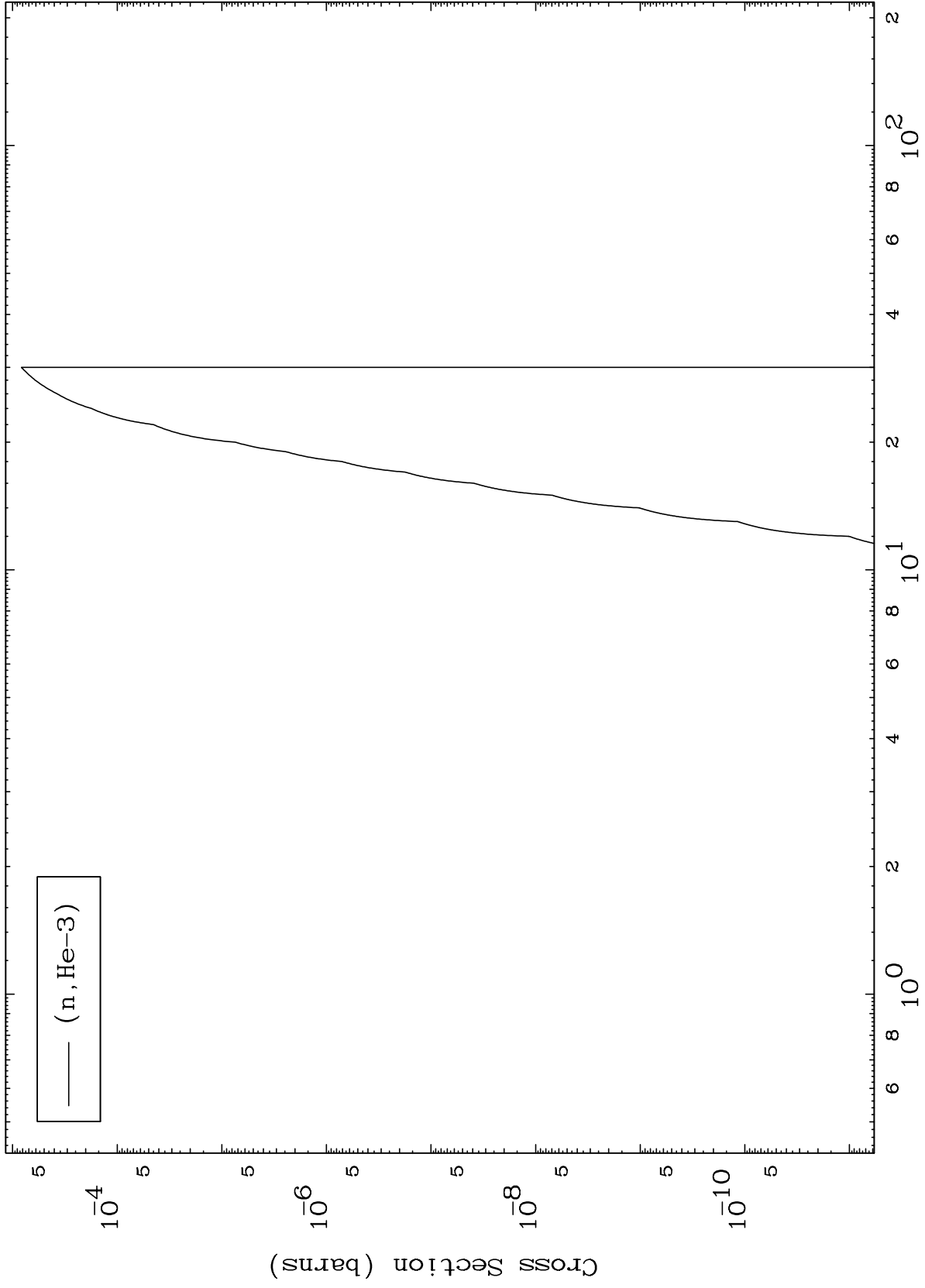


MAT 7328

(d,He3) Levels

73-Ta-181

0 Kelvin Cross Sections



10

Incident Energy (MeV)

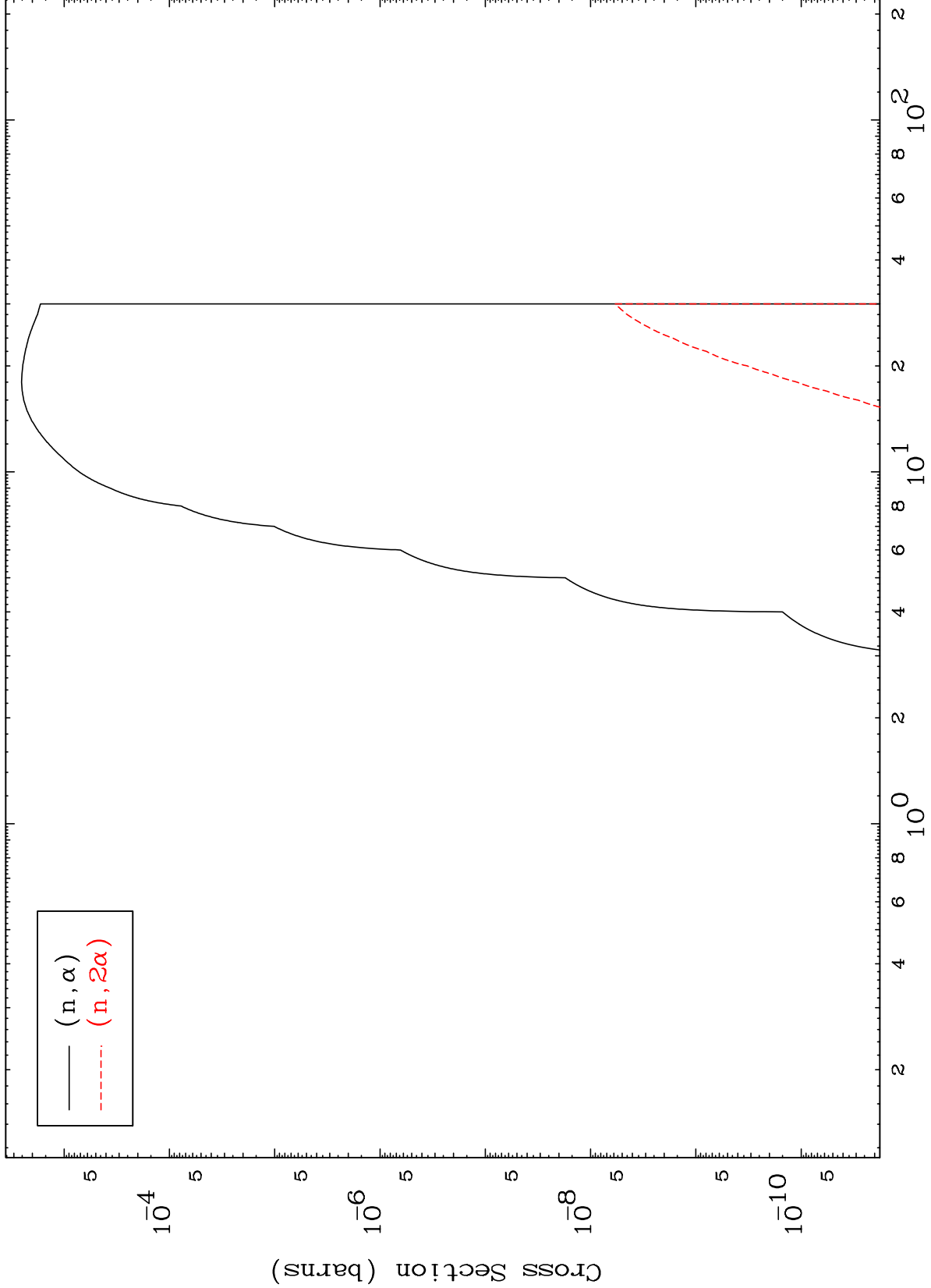
73-Ta-181

MAT 7328

(d, α) Levels

⁷³Ta-181

0 Kelvin Cross Sections

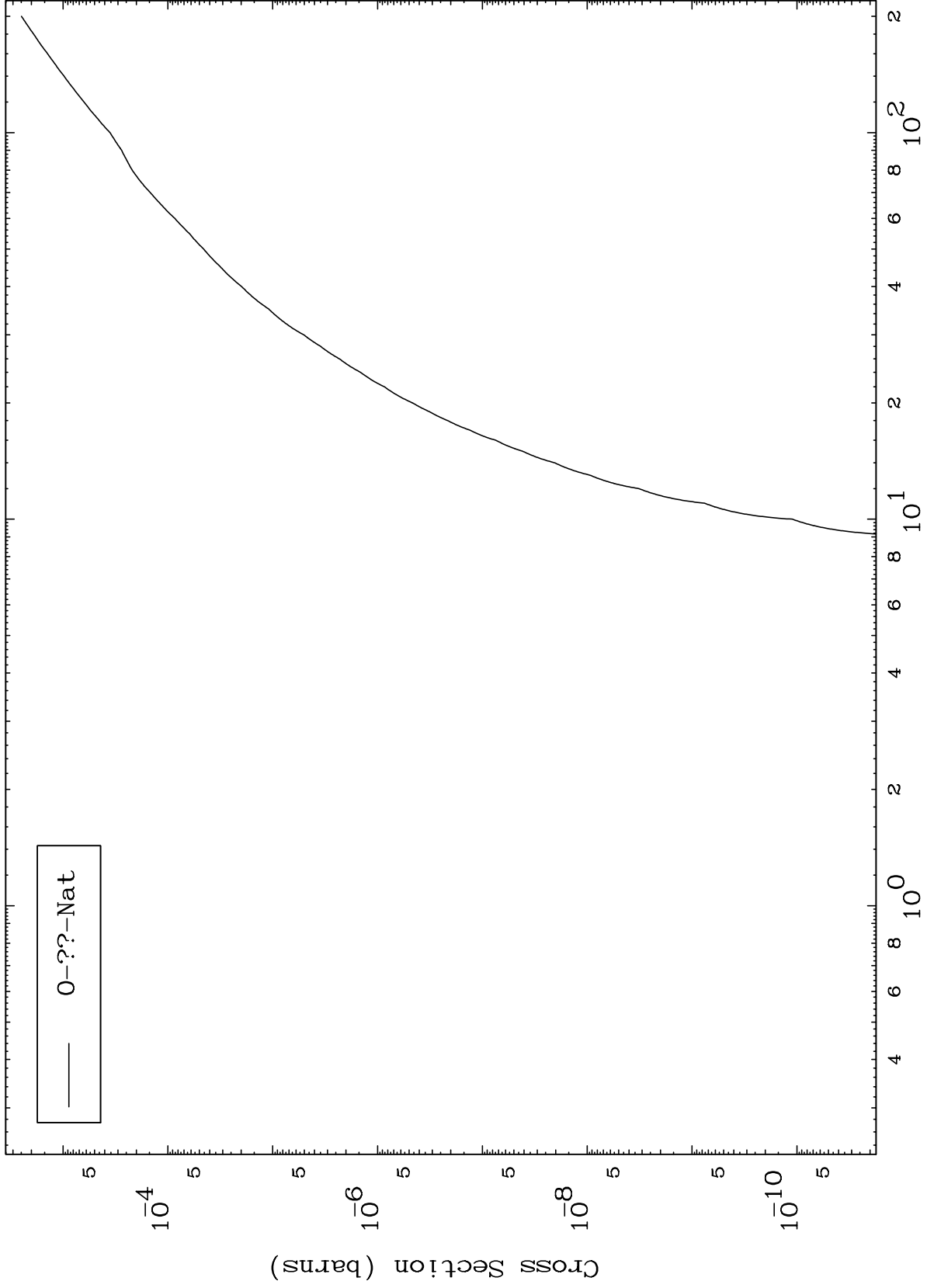


MAT 7328

Fission

⁷³Ta-181

Radionuclide Production Cross Section

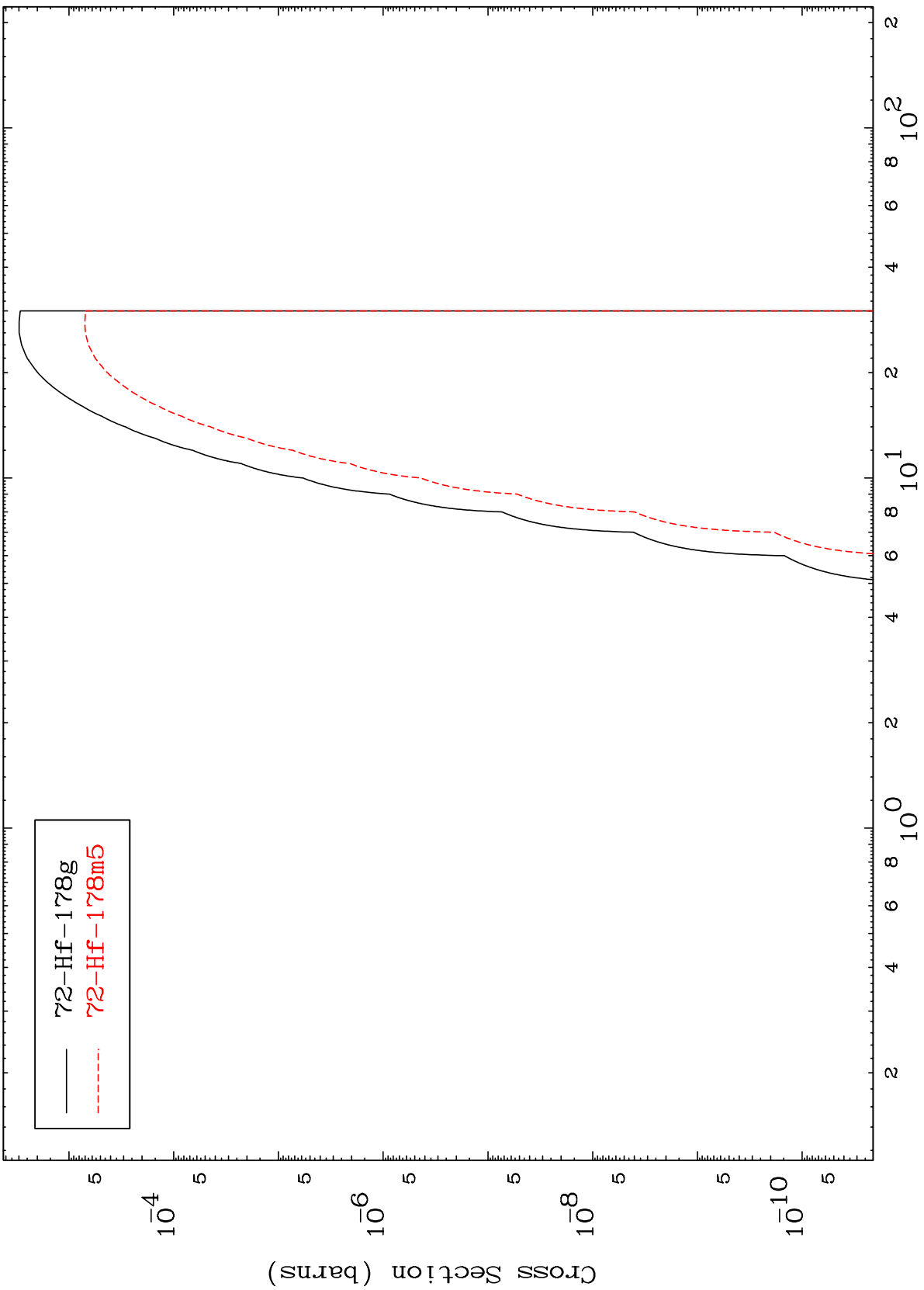


MAT 7328

$(n, n') \alpha$

$^{73}\text{Ta-181}$

Radionuclide Production Cross Section



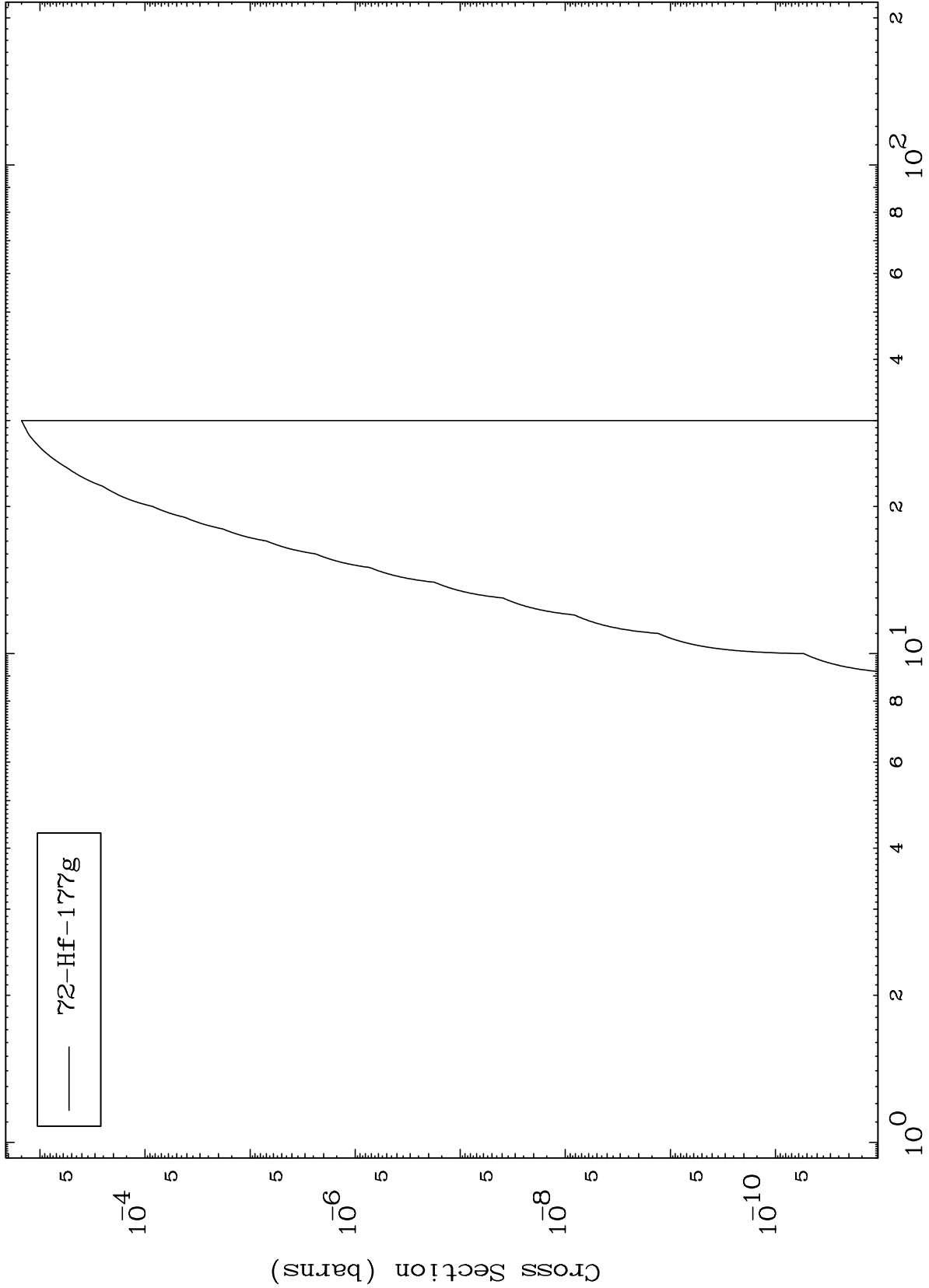
72-Hf-178g
72-Hf-178m5

MAT 7328

73-Ta-181

(n,2n) α

Radionuclide Production Cross Section



14

Incident Energy (MeV)

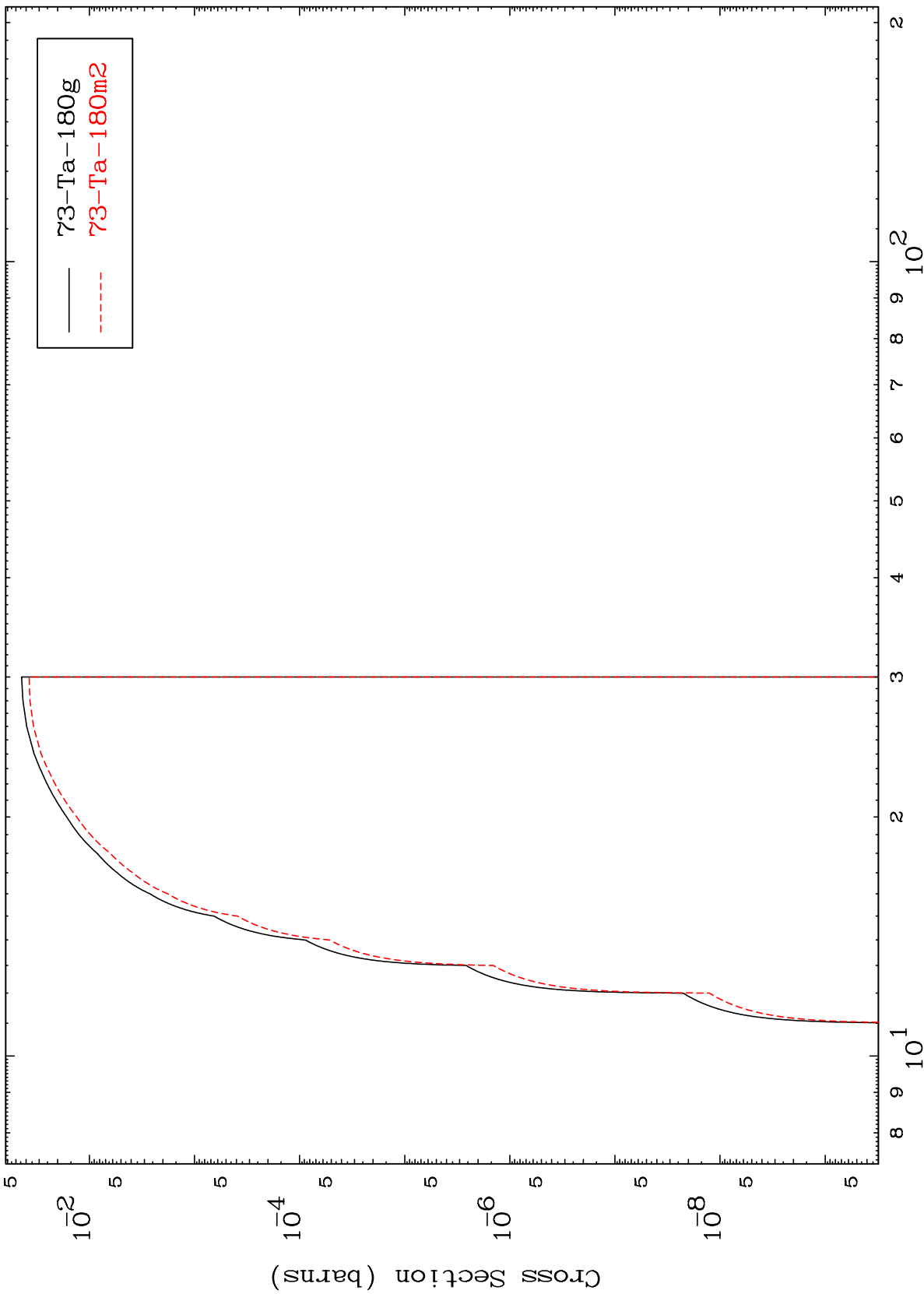
73-Ta-181

MAT 7328

(n,n') d

⁷³Ta-181

Radionuclide Production Cross Section



15

Incident Energy (MeV)

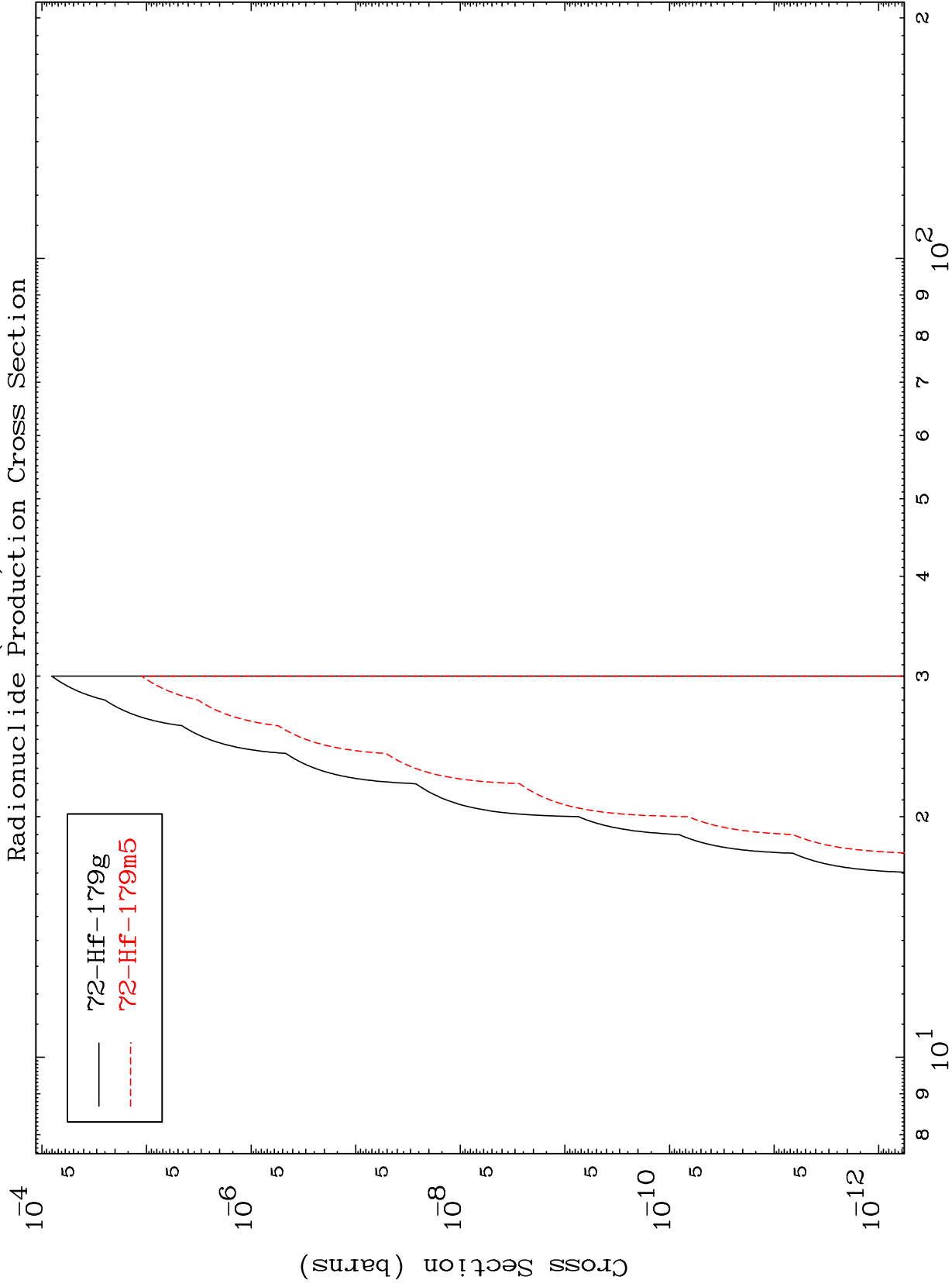
⁷³Ta-181

MAT 7328

(n,n') He-3

73-Ta-181

Radionuclide Production Cross Section



Incident Energy (MeV)

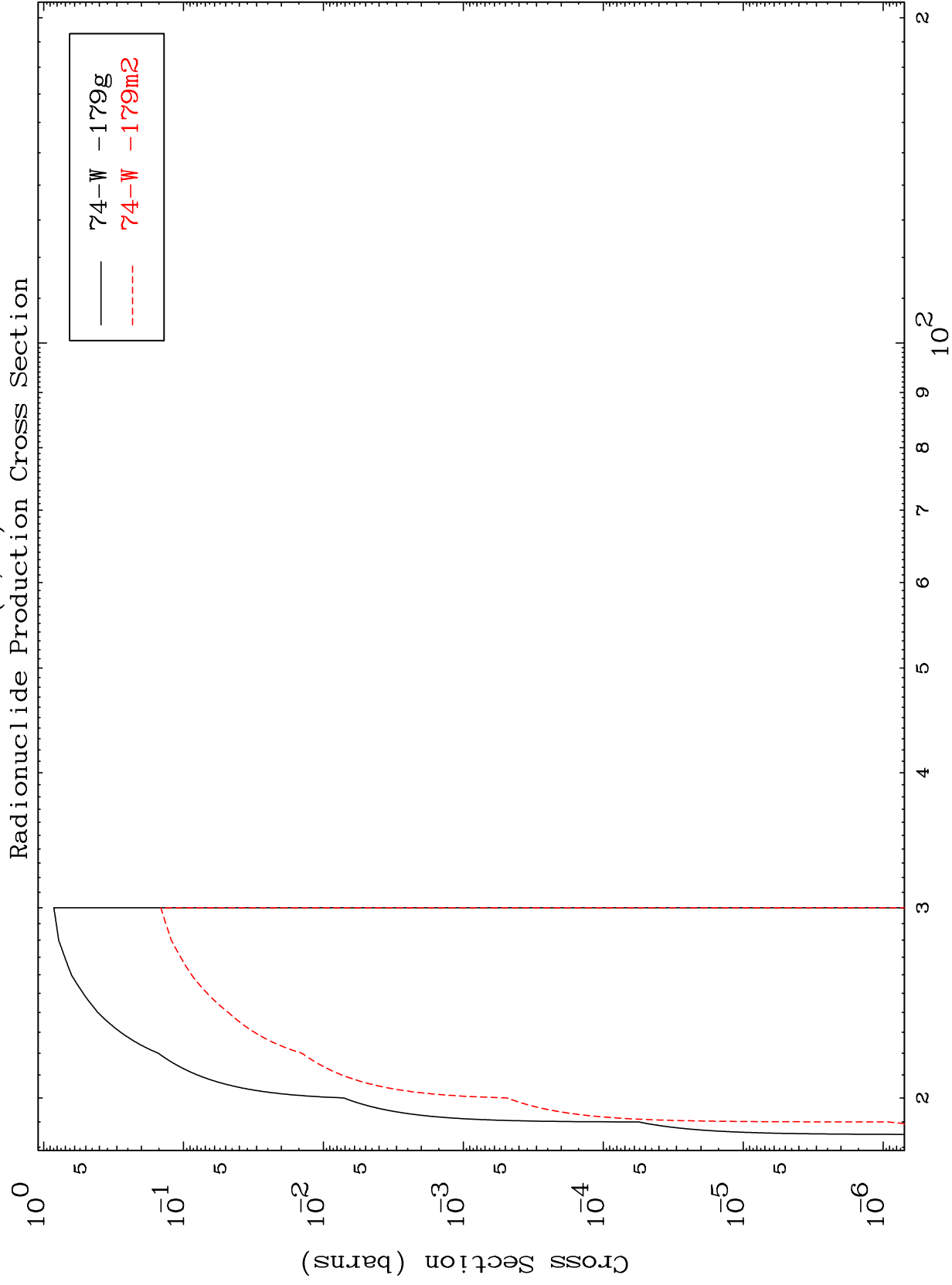
73-Ta-181

16

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(n,4n)

73-Ta-181



17

Incident Energy (MeV)

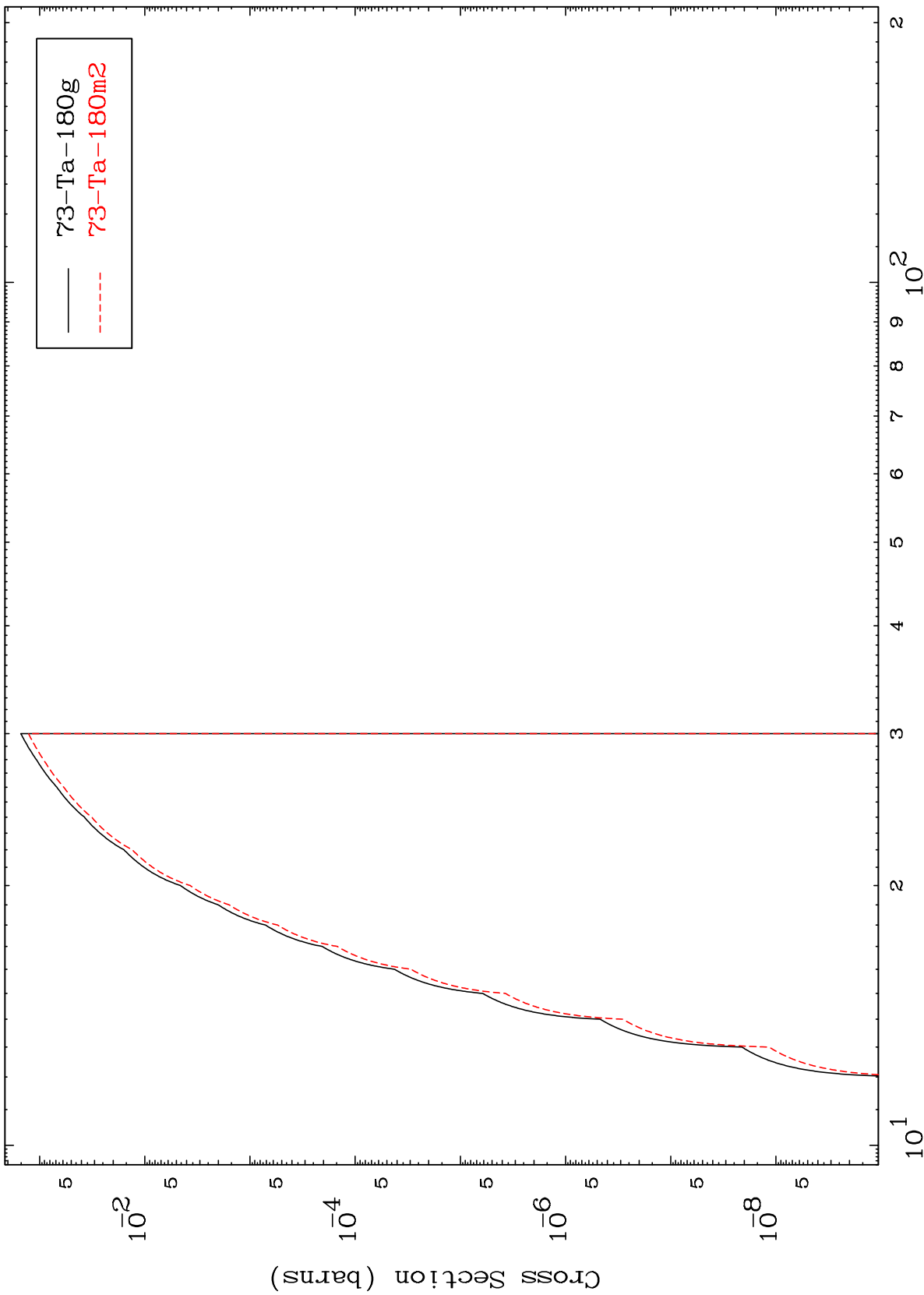
73-Ta-181

MAT 7328

(n,2n) p

⁷³Ta-181

Radionuclide Production Cross Section



Incident Energy (MeV)

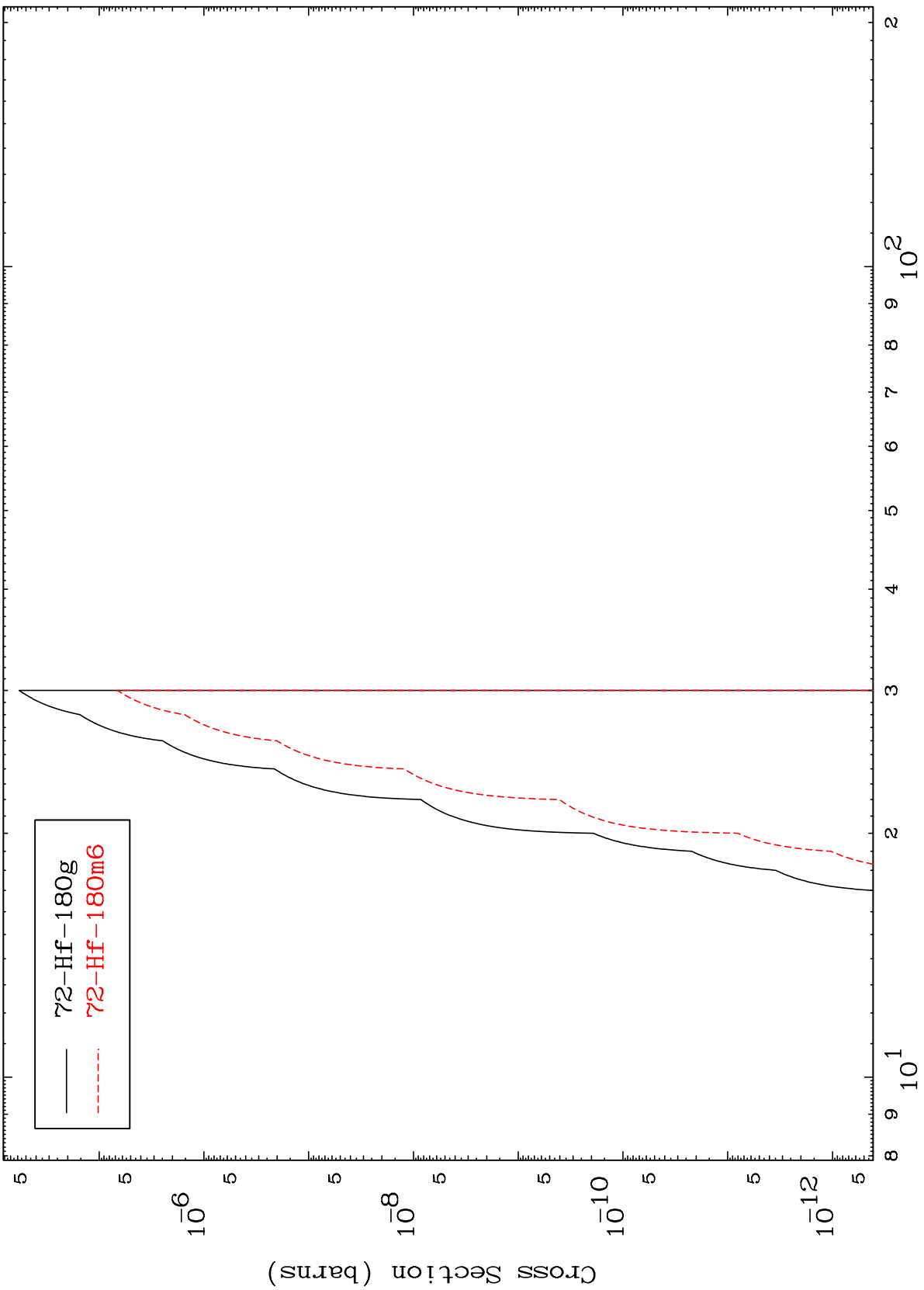
⁷³Ta-181

MAT 7328

(n,2n) p

73-Ta-181

Radionuclide Production Cross Section



72-Hf-180g
72-Hf-180m6

19

Incident Energy (MeV)

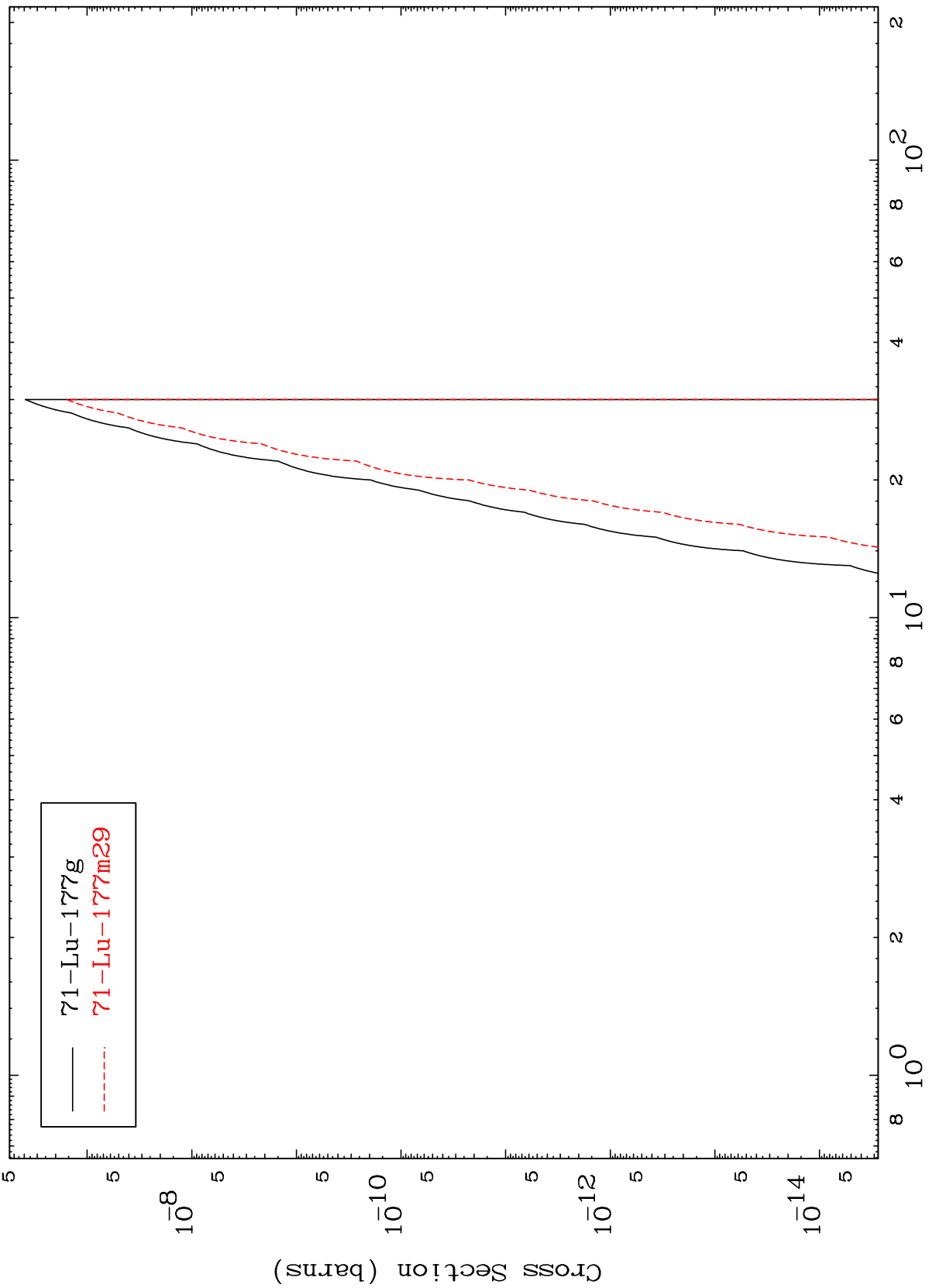
73-Ta-181

MAT 7328

(n,n') p α

⁷³Ta-181

Radionuclide Production Cross Section



— ⁷¹Lu-177g
- - - ⁷¹Lu-177m29

20

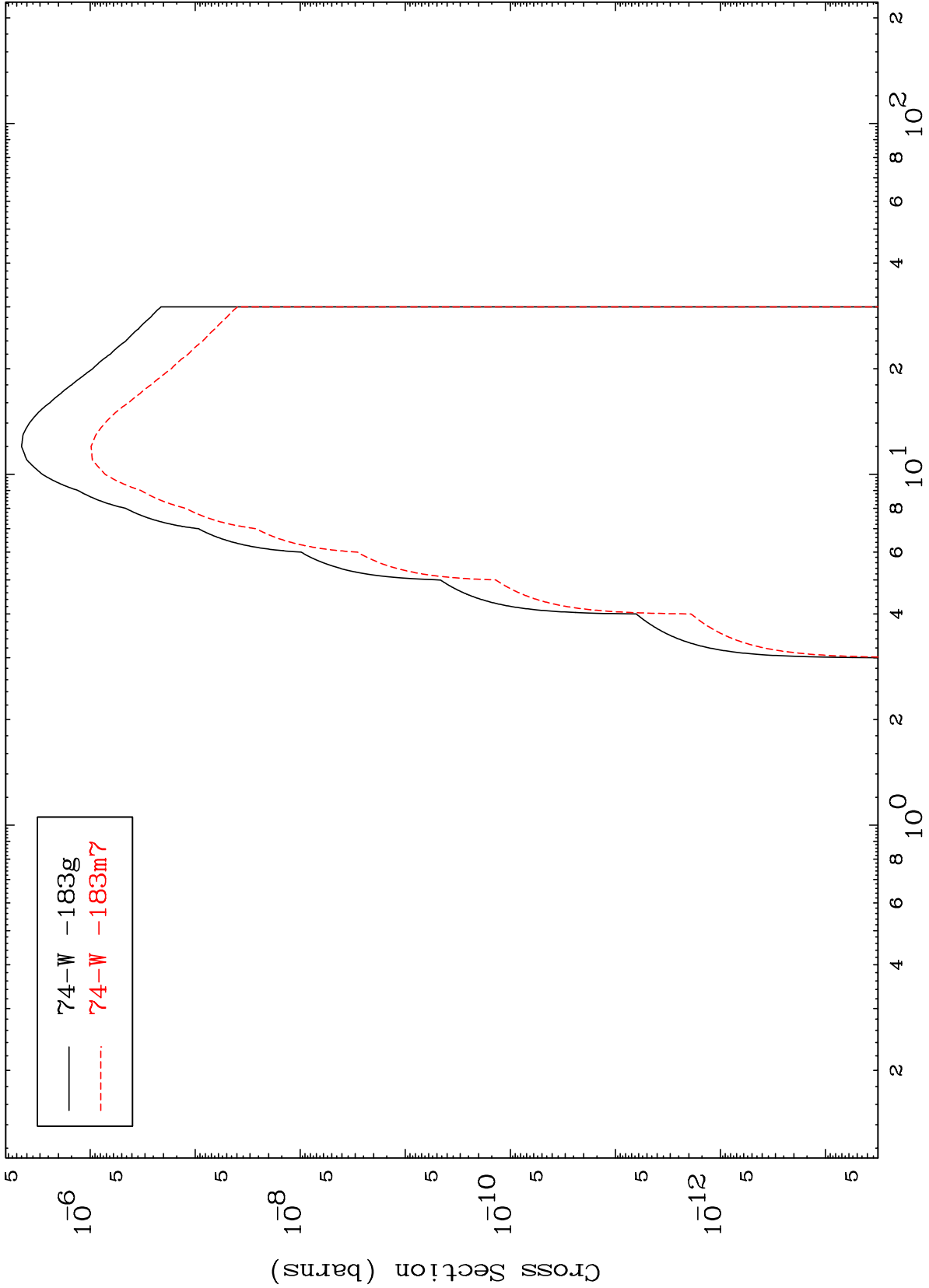
Incident Energy (MeV)

⁷³Ta-181

MAT 7328

73-Ta-181

(n, γ)
Radionuclide Production Cross Section

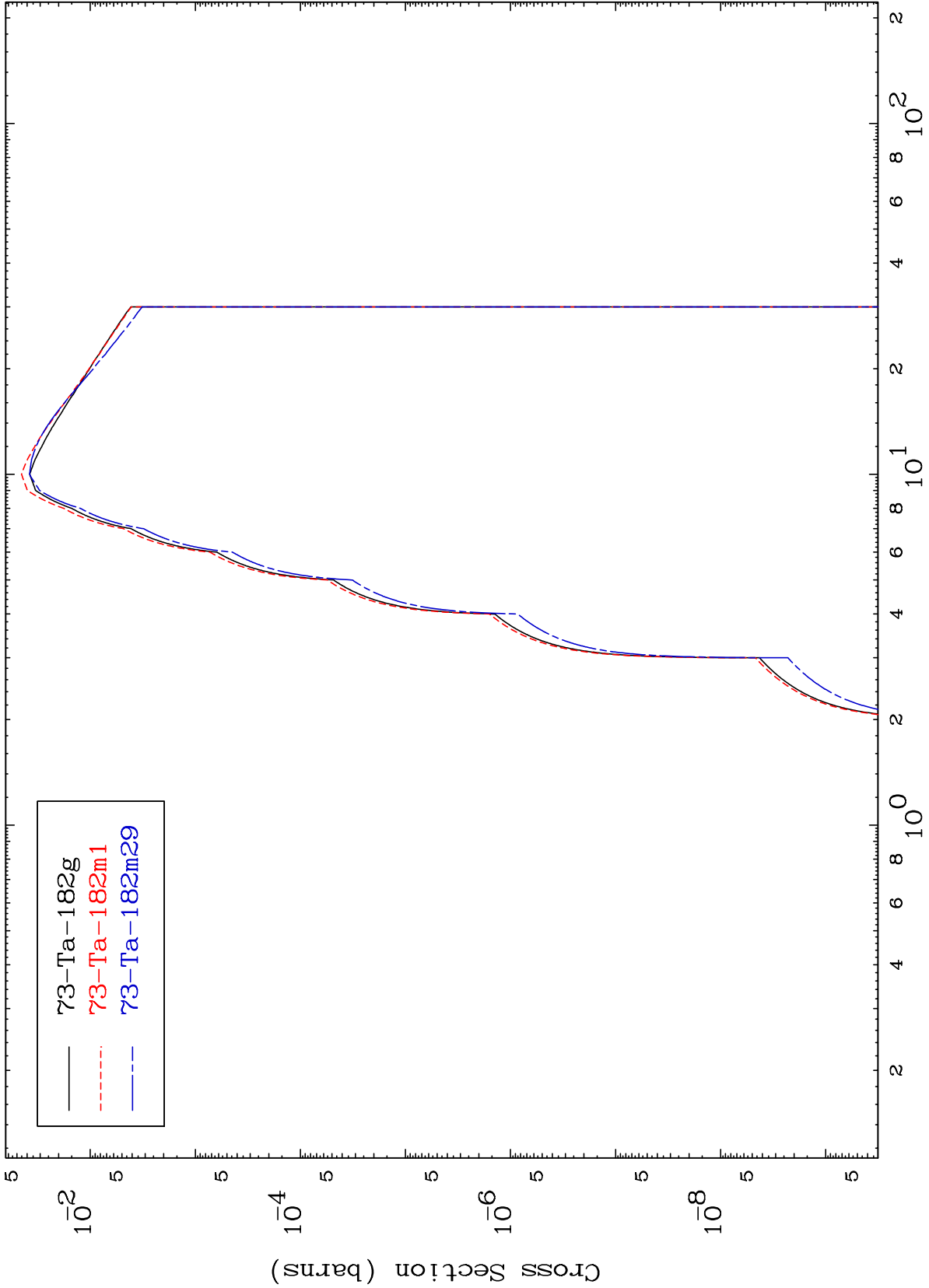


74-W -183g
74-W -183m7

MAT 7328

⁷³Ta-181

(n,p)
Radionuclide Production Cross Section



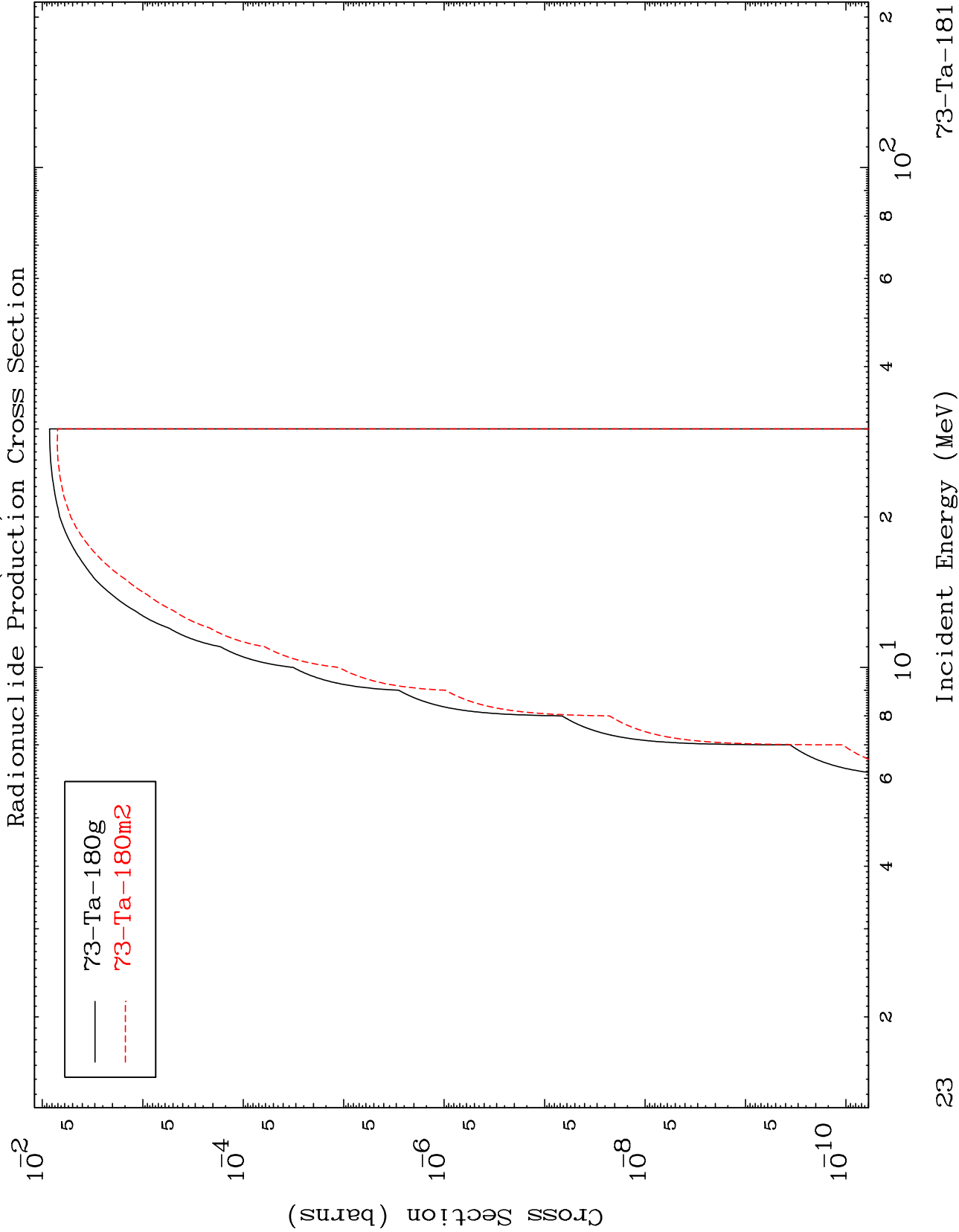
⁷³Ta-181

Incident Energy (MeV)

22

MAT 7328

⁷³Ta-181



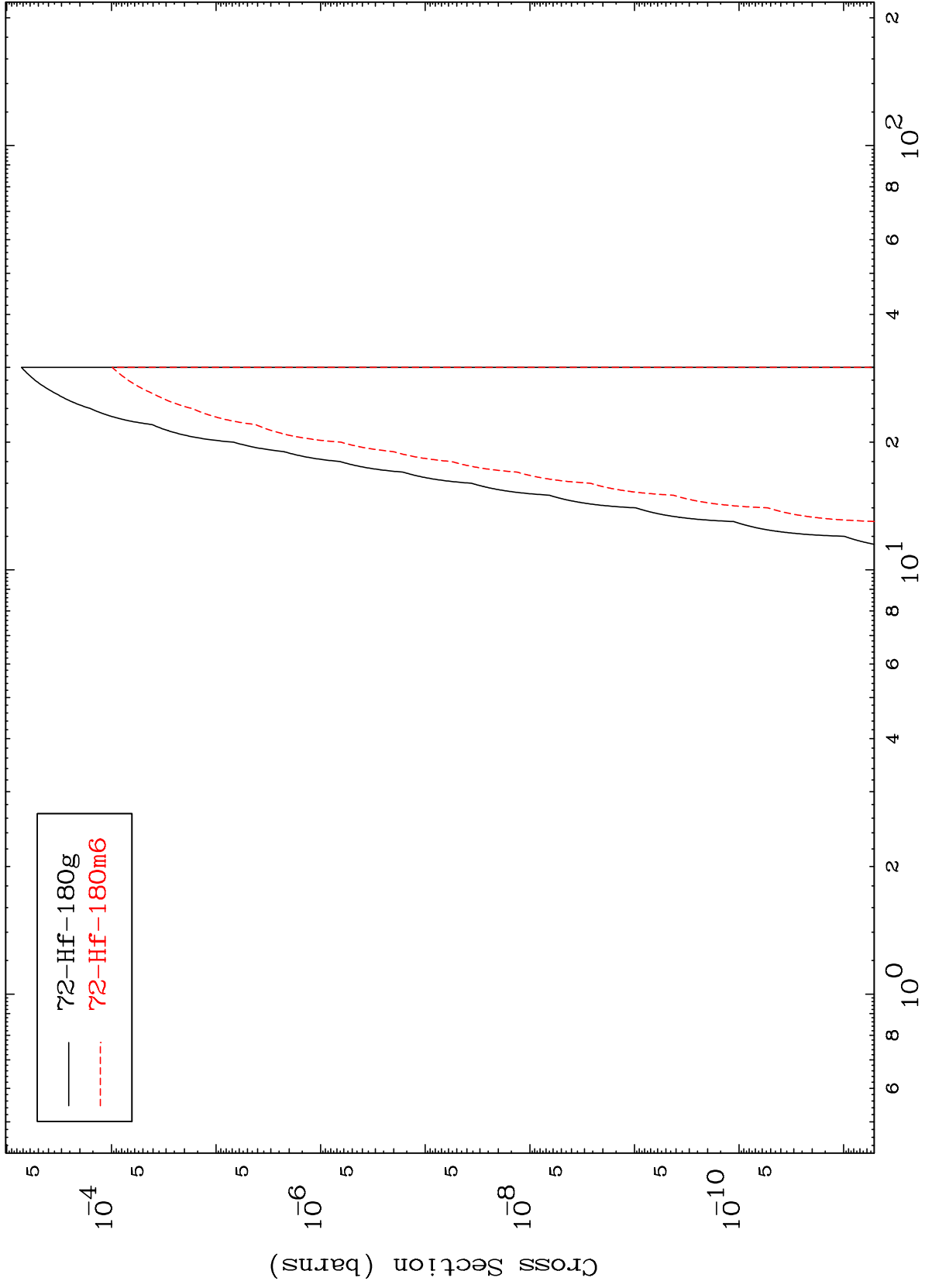
— 73-Ta-180g
- - - 73-Ta-180m2

MAT 7328

(n,He-3)

73-Ta-181

Radionuclide Production Cross Section



24

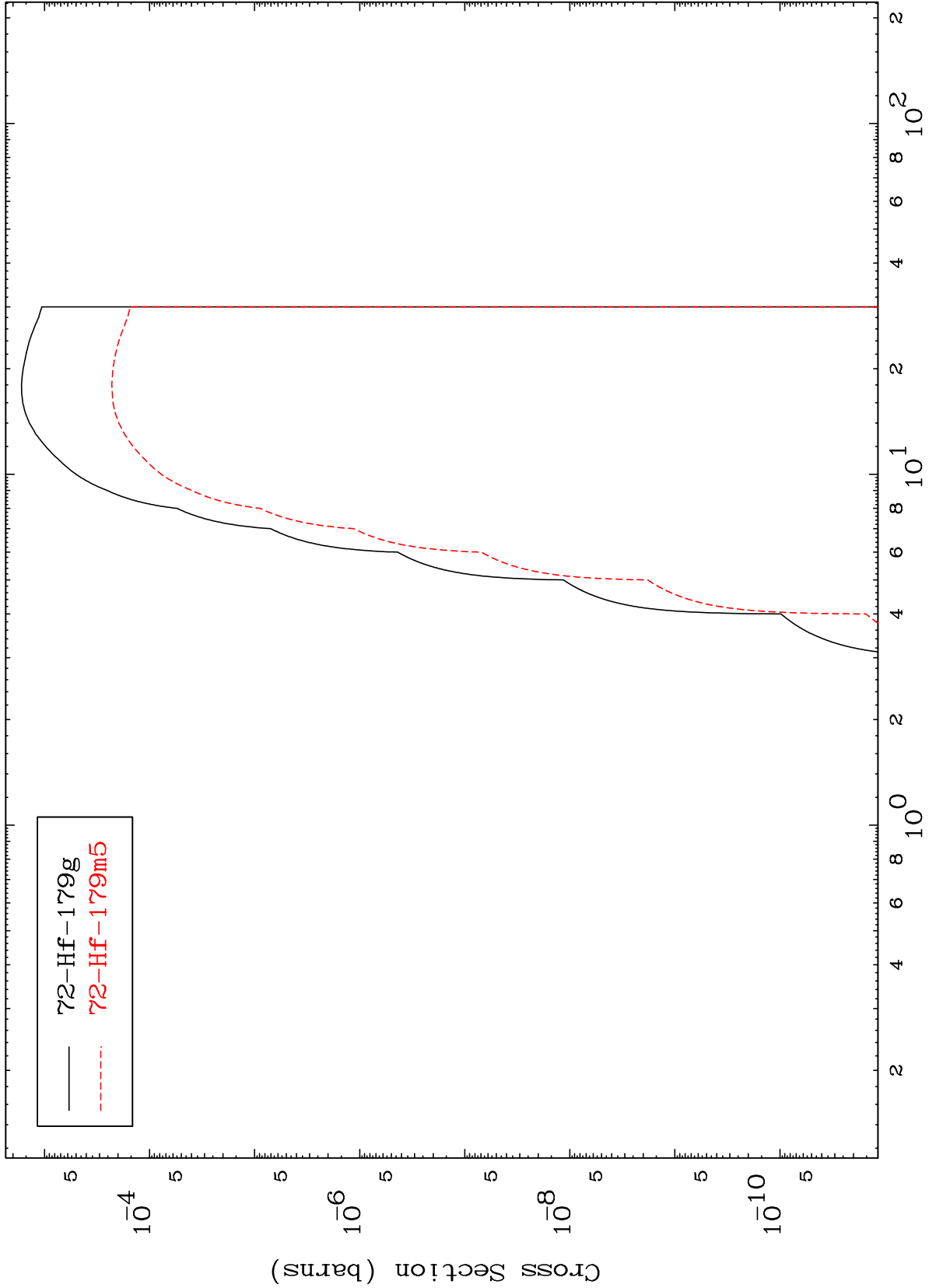
Incident Energy (MeV)

73-Ta-181

MAT 7328

73-Ta-181

(n, α)
Radionuclide Production Cross Section

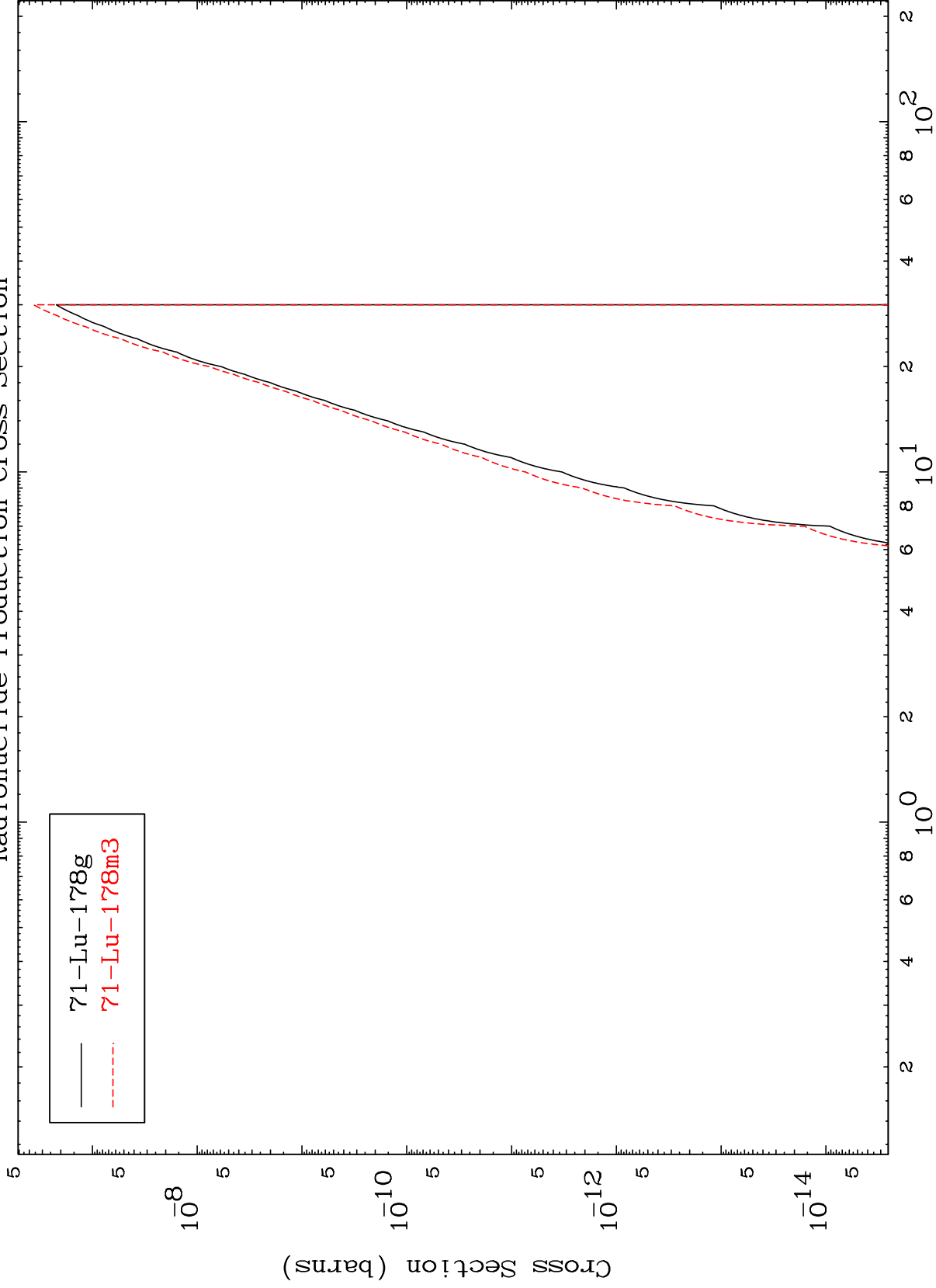


MAT 7328

(n,p) α

⁷³Ta-181

Radionuclide Production Cross Section



26

Incident Energy (MeV)

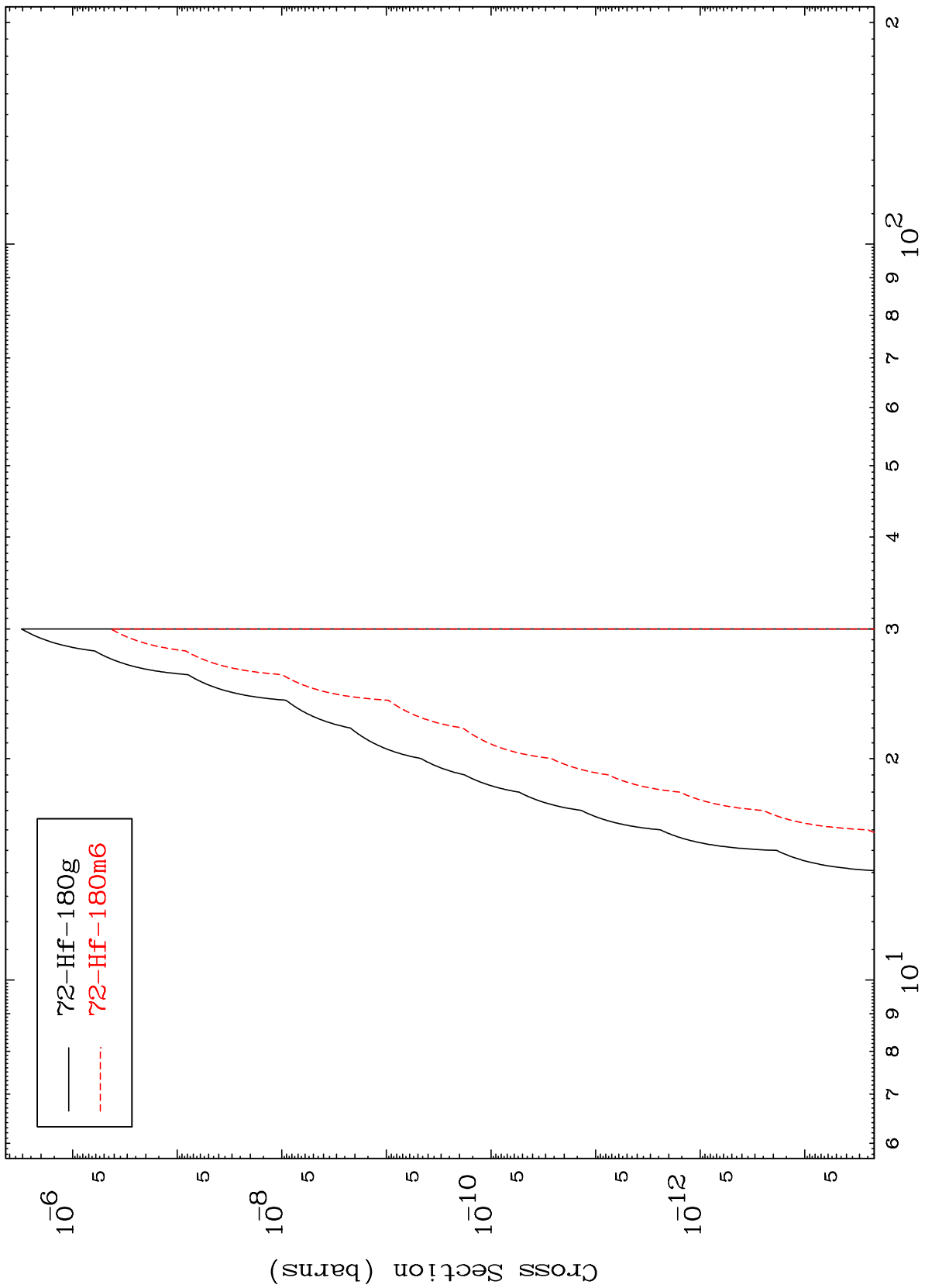
⁷³Ta-181

MAT 7328

(n,p) d

⁷³Ta-181

Radionuclide Production Cross Section



27

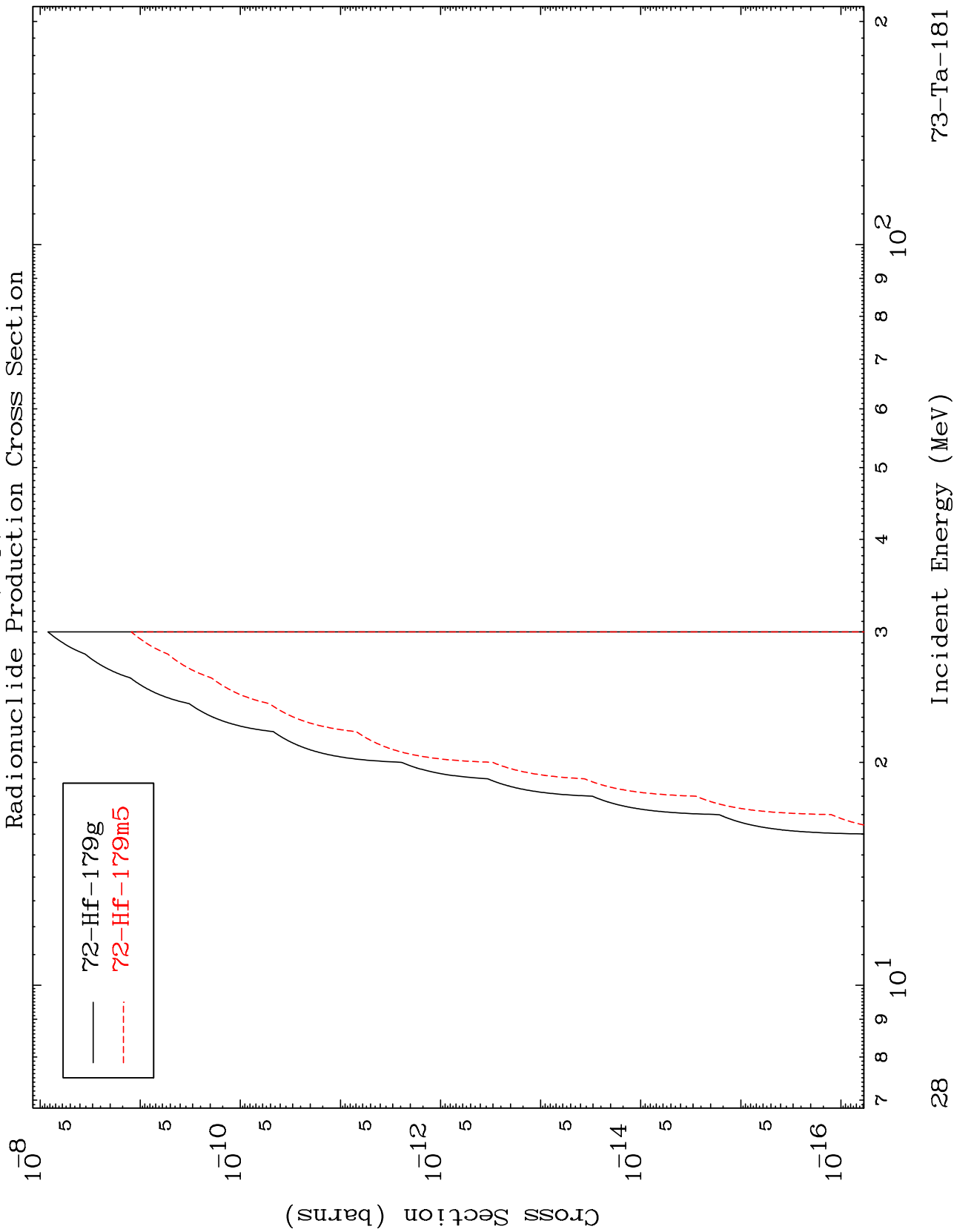
Incident Energy (MeV)

⁷³Ta-181

MAT 7328

(n,p) t

⁷³Ta-181



28

Incident Energy (MeV)

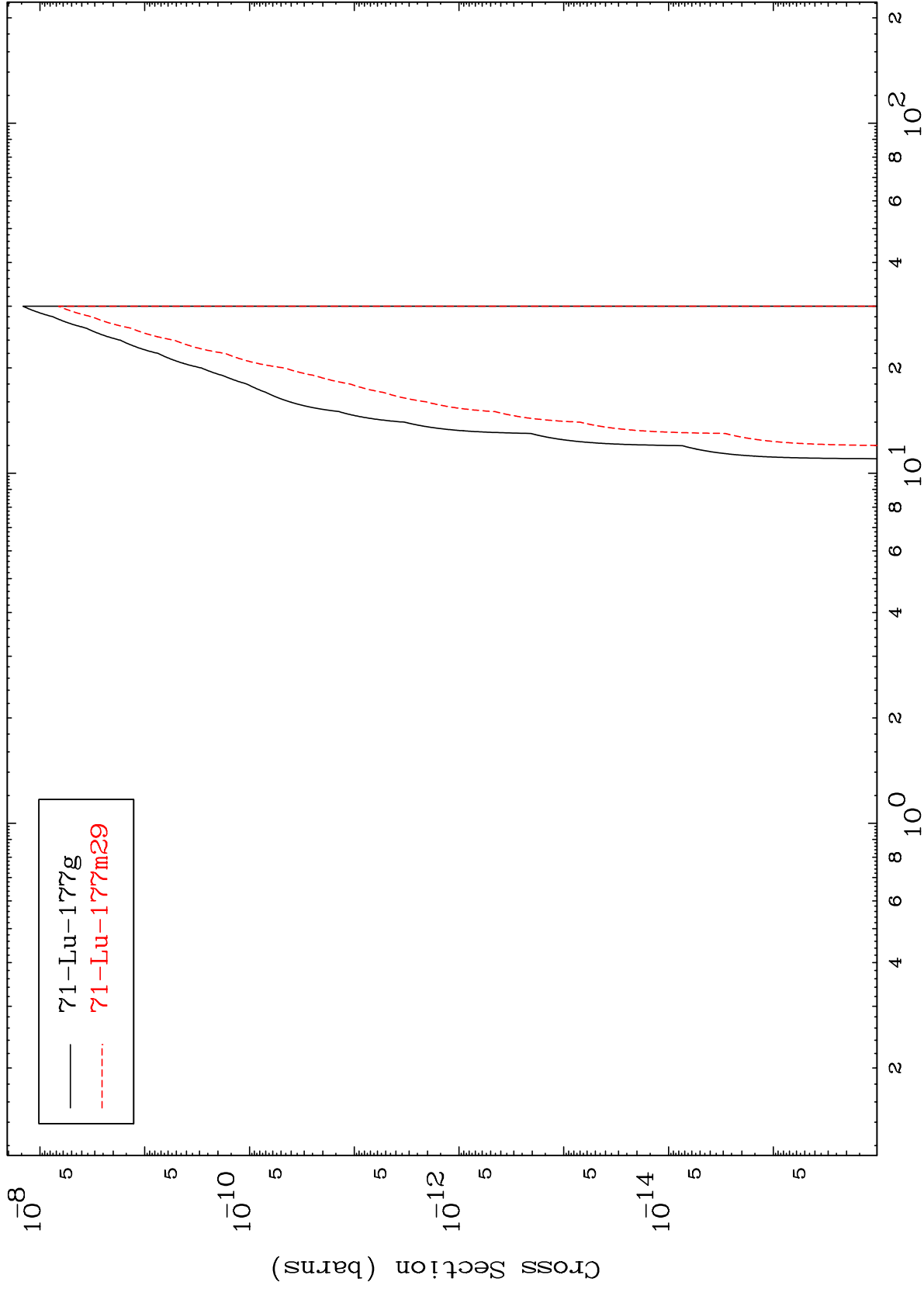
⁷³Ta-181

MAT 7328

(n,d) α

$^{73}\text{Ta-181}$

Radionuclide Production Cross Section



29

Incident Energy (MeV)

$^{73}\text{Ta-181}$