

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

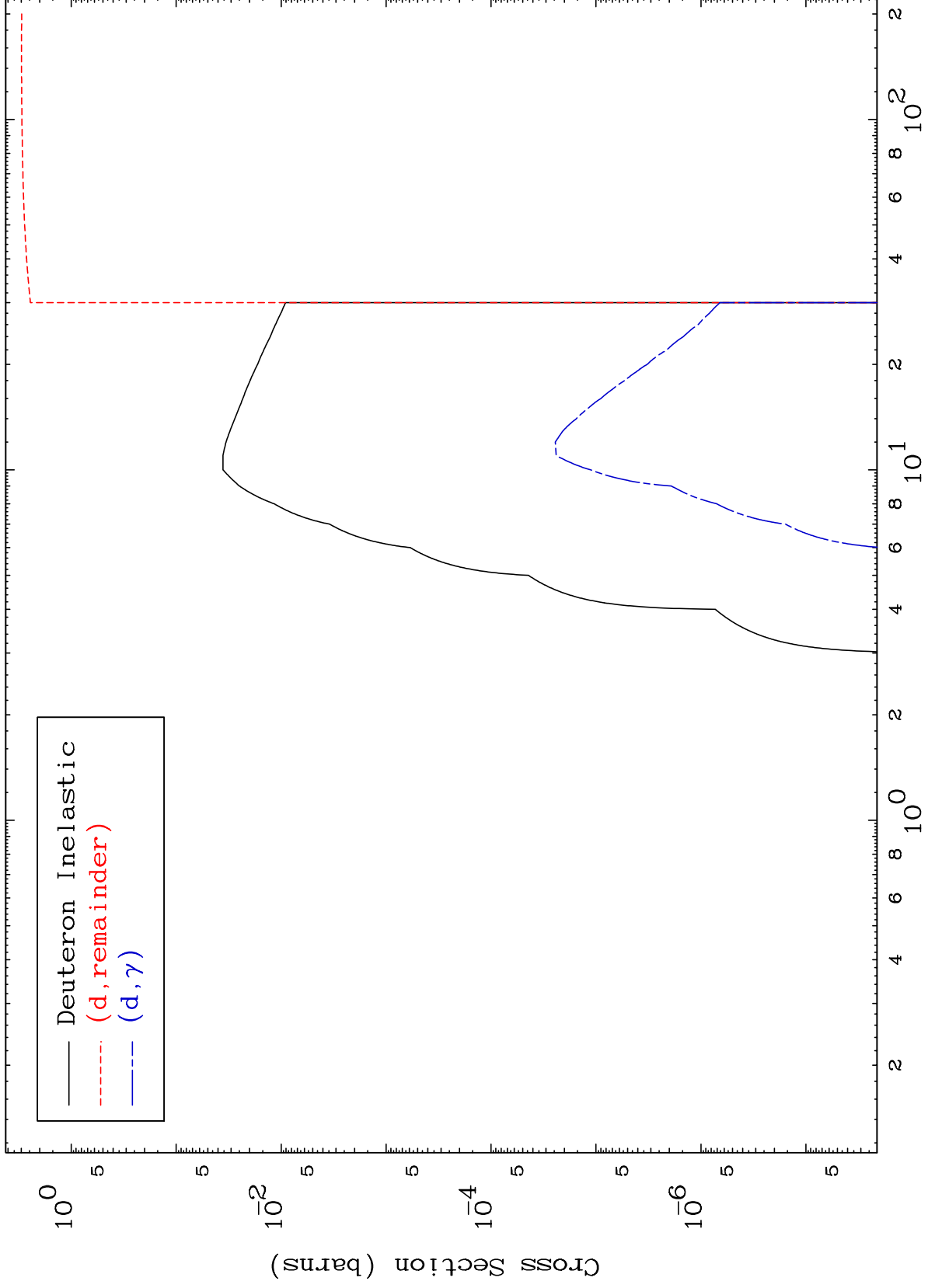
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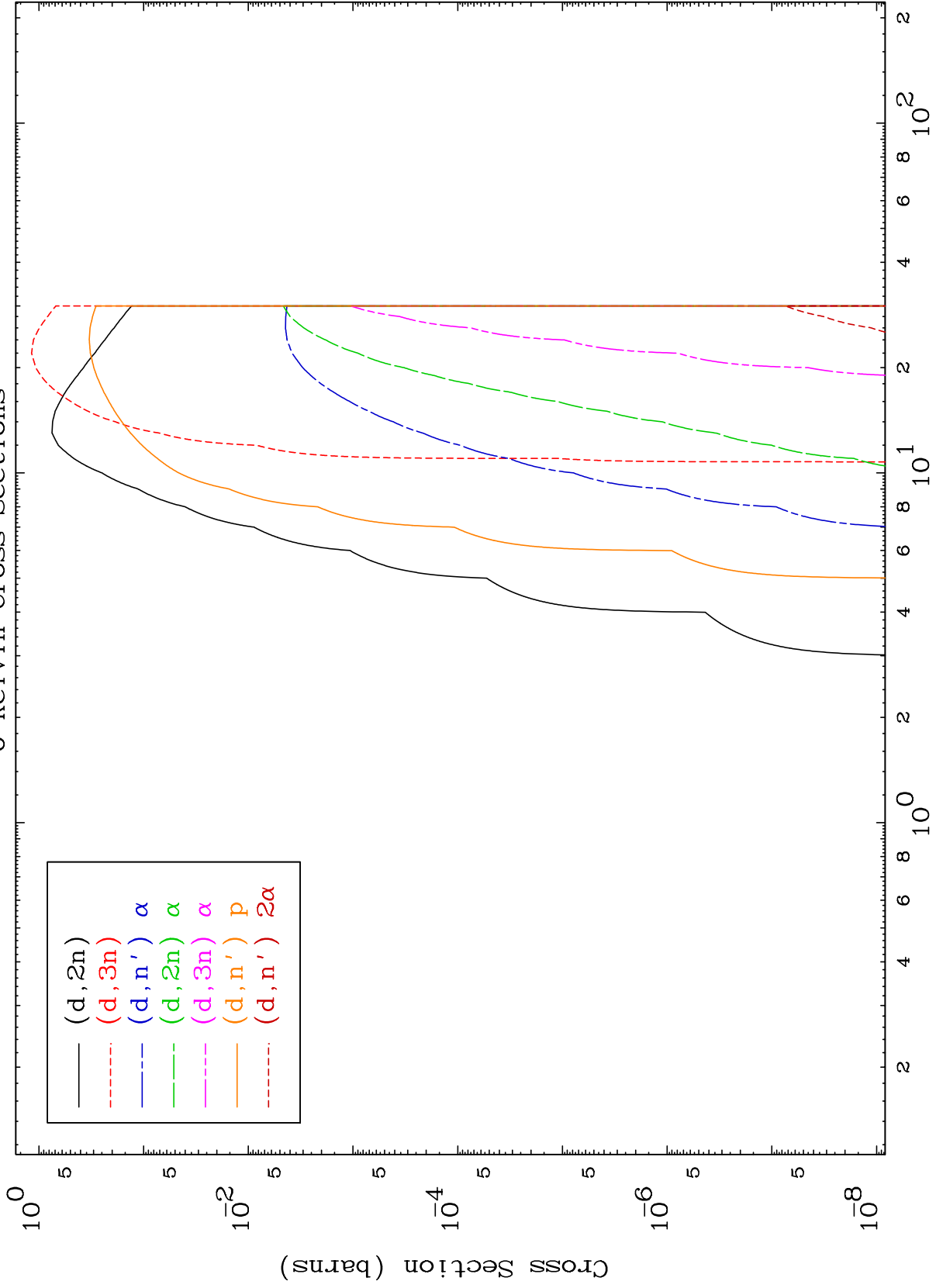
E.Mail:redcullen1@comcast.net

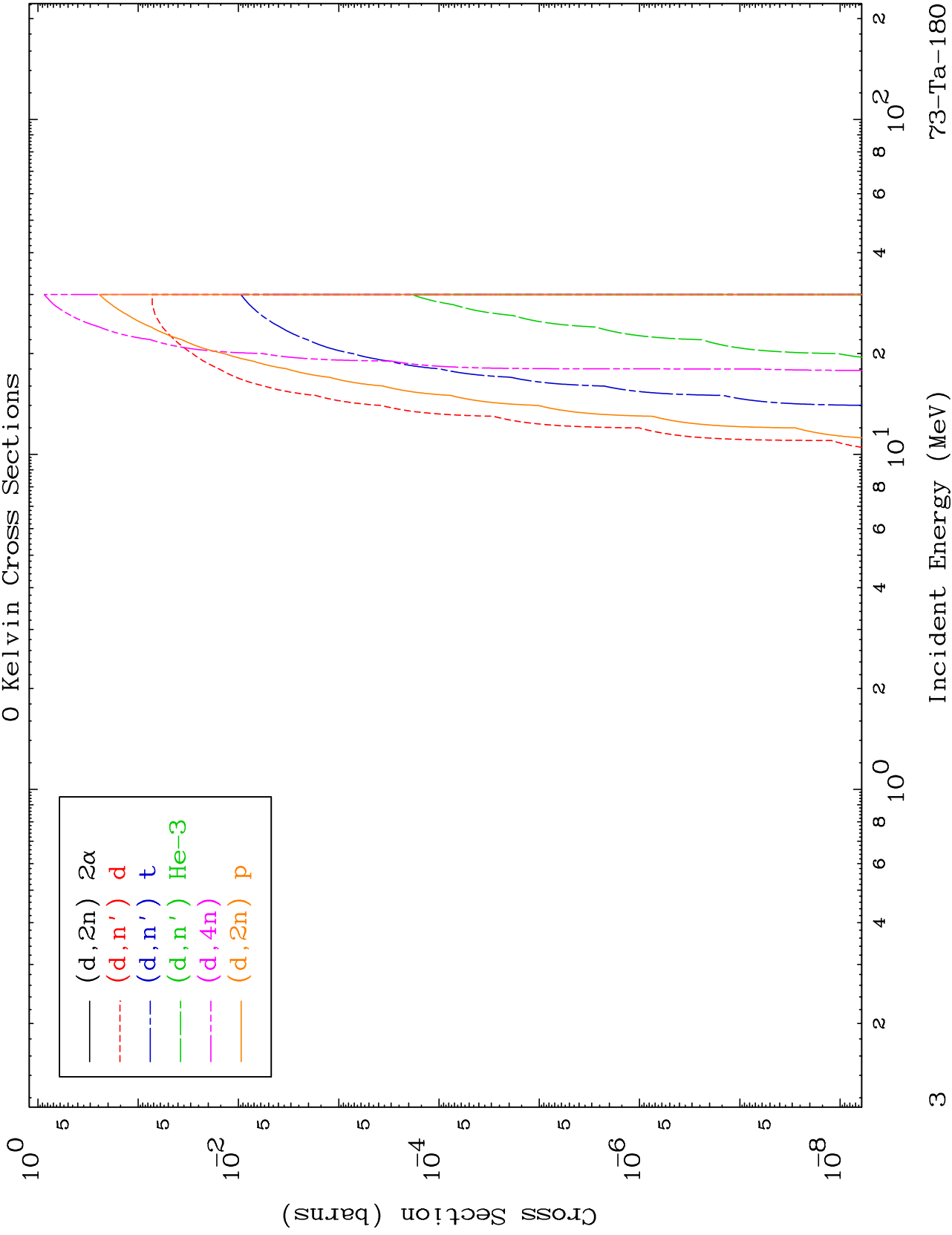
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Press Mouse Button to Start



— Deuteron Inelastic
- - - (d, remainder)
- - - (d, γ)

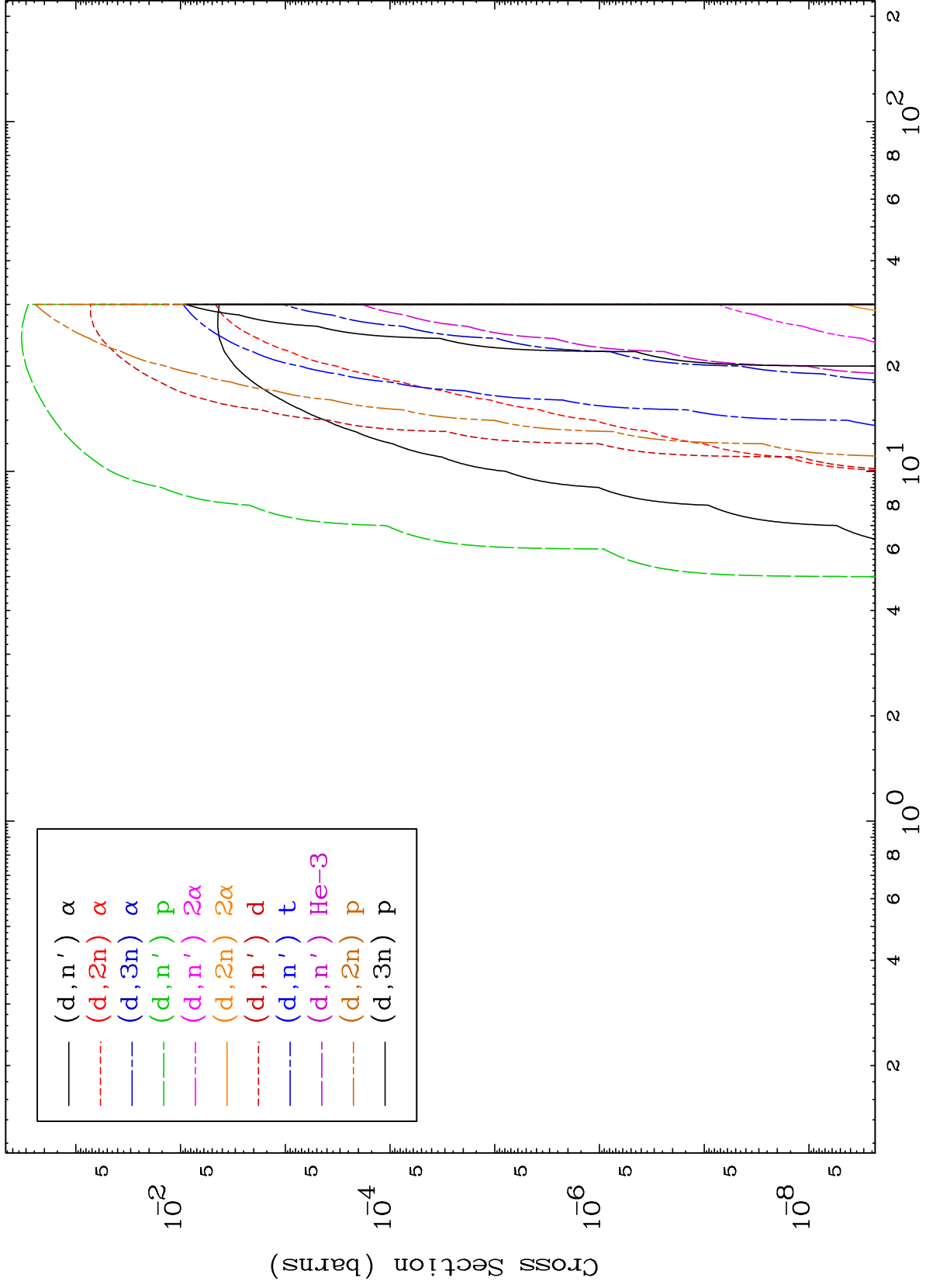


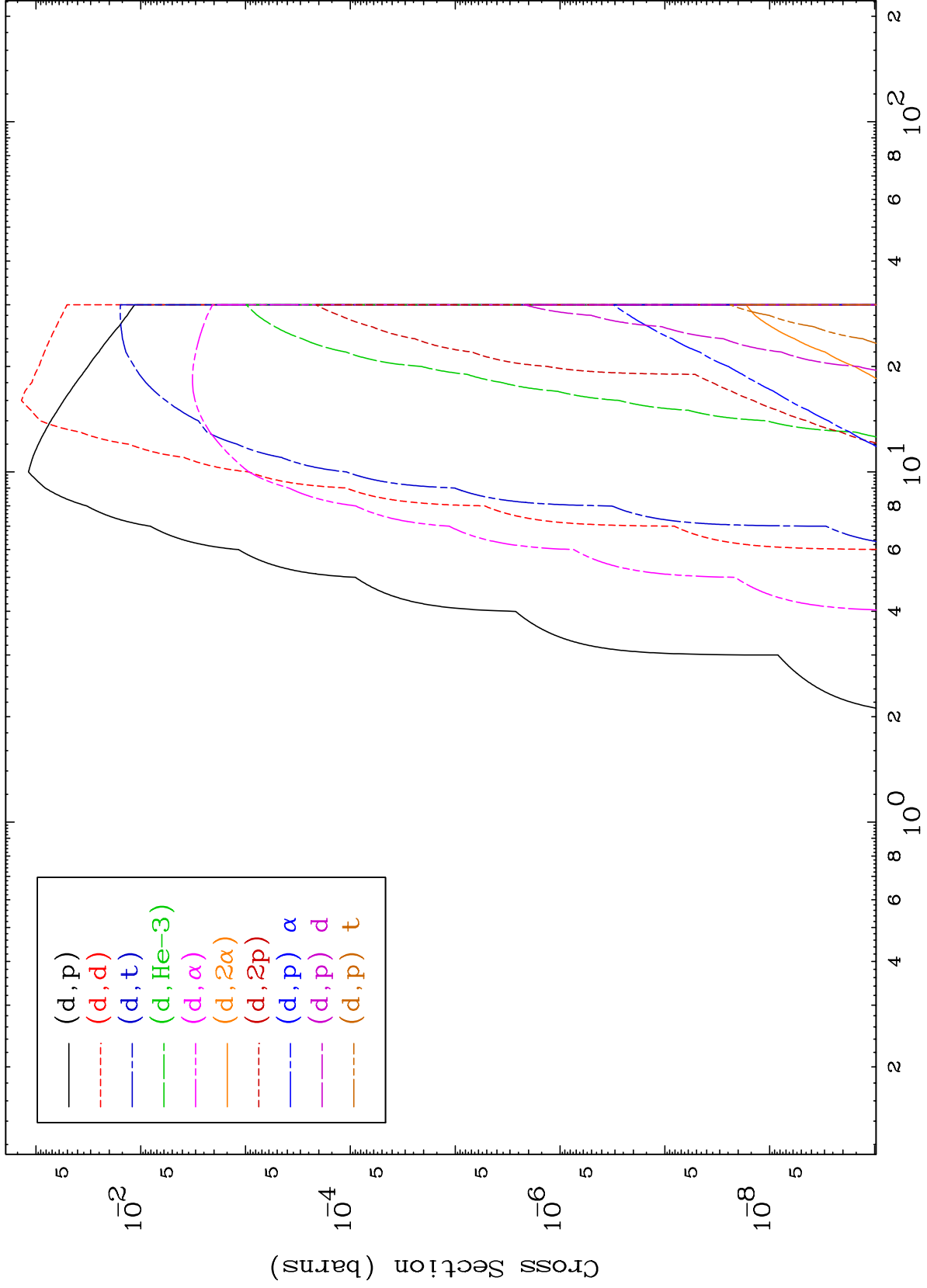


MAT 7326

Deuteron Charged Particle
0 Kelvin Cross Sections

73-Ta-180



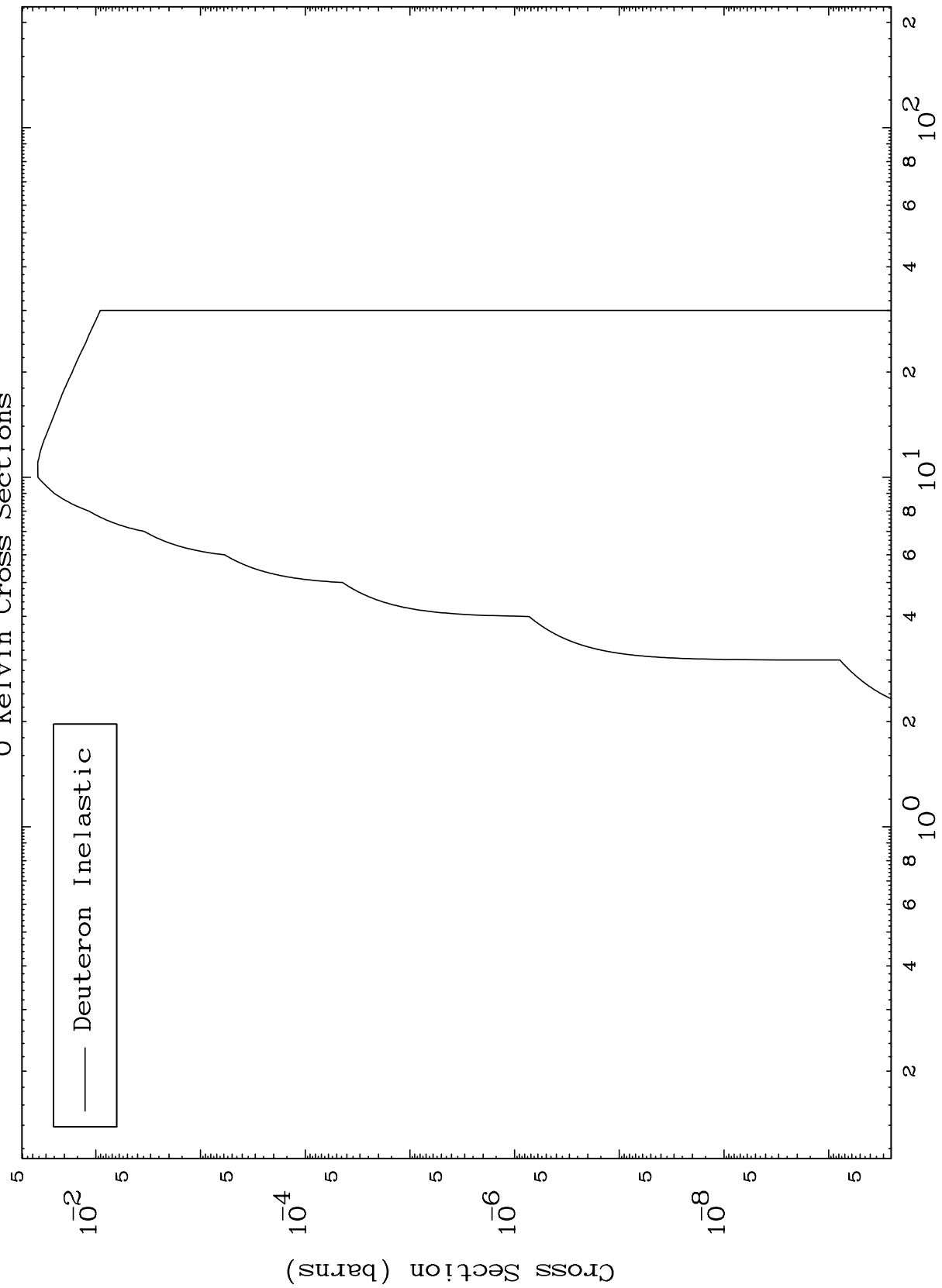


MAT 7326

(d,n') Level

73-Ta-180

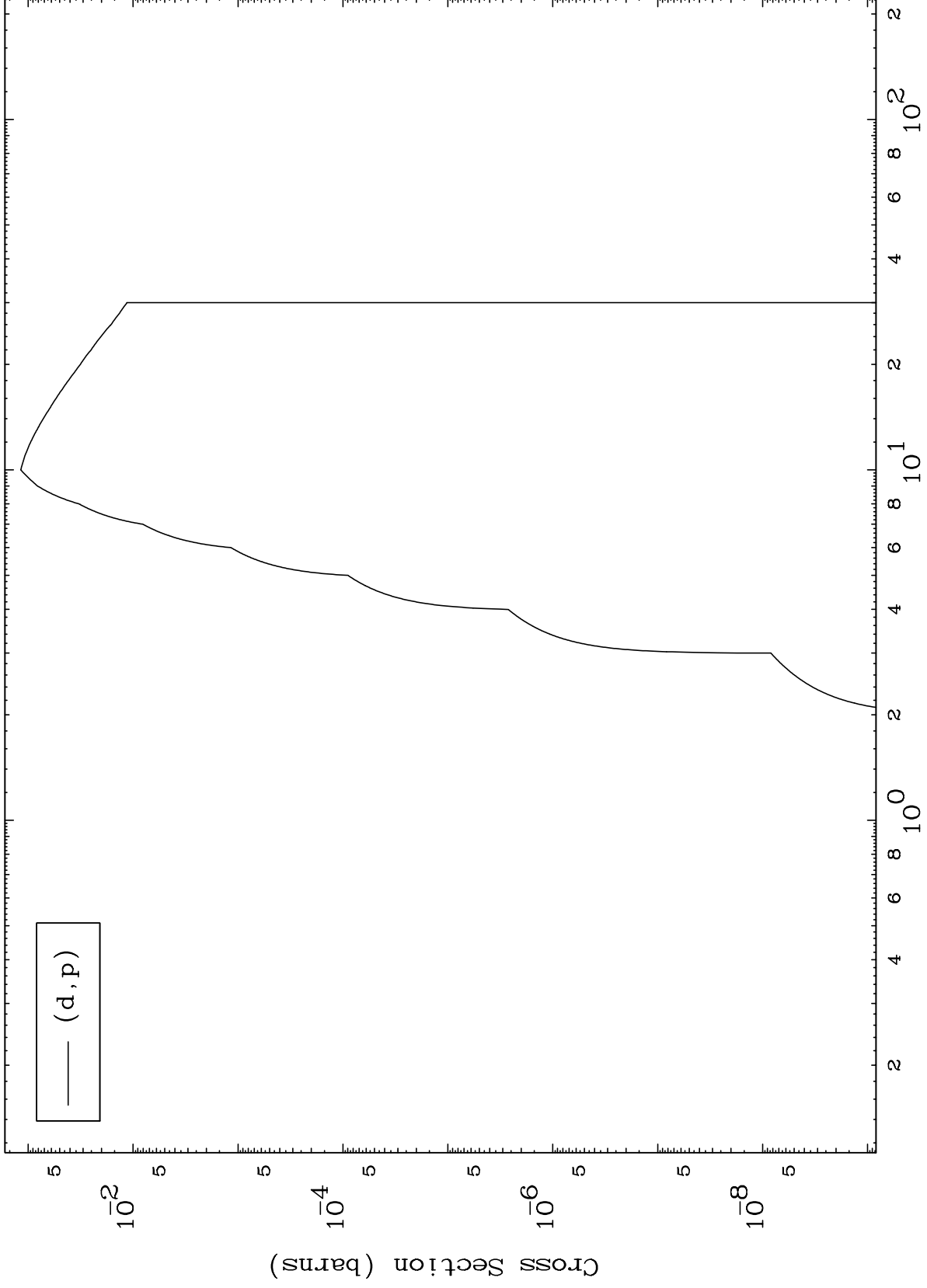
0 Kelvin Cross Sections



MAT 7326

(d,p) Levels
0 Kelvin Cross Sections

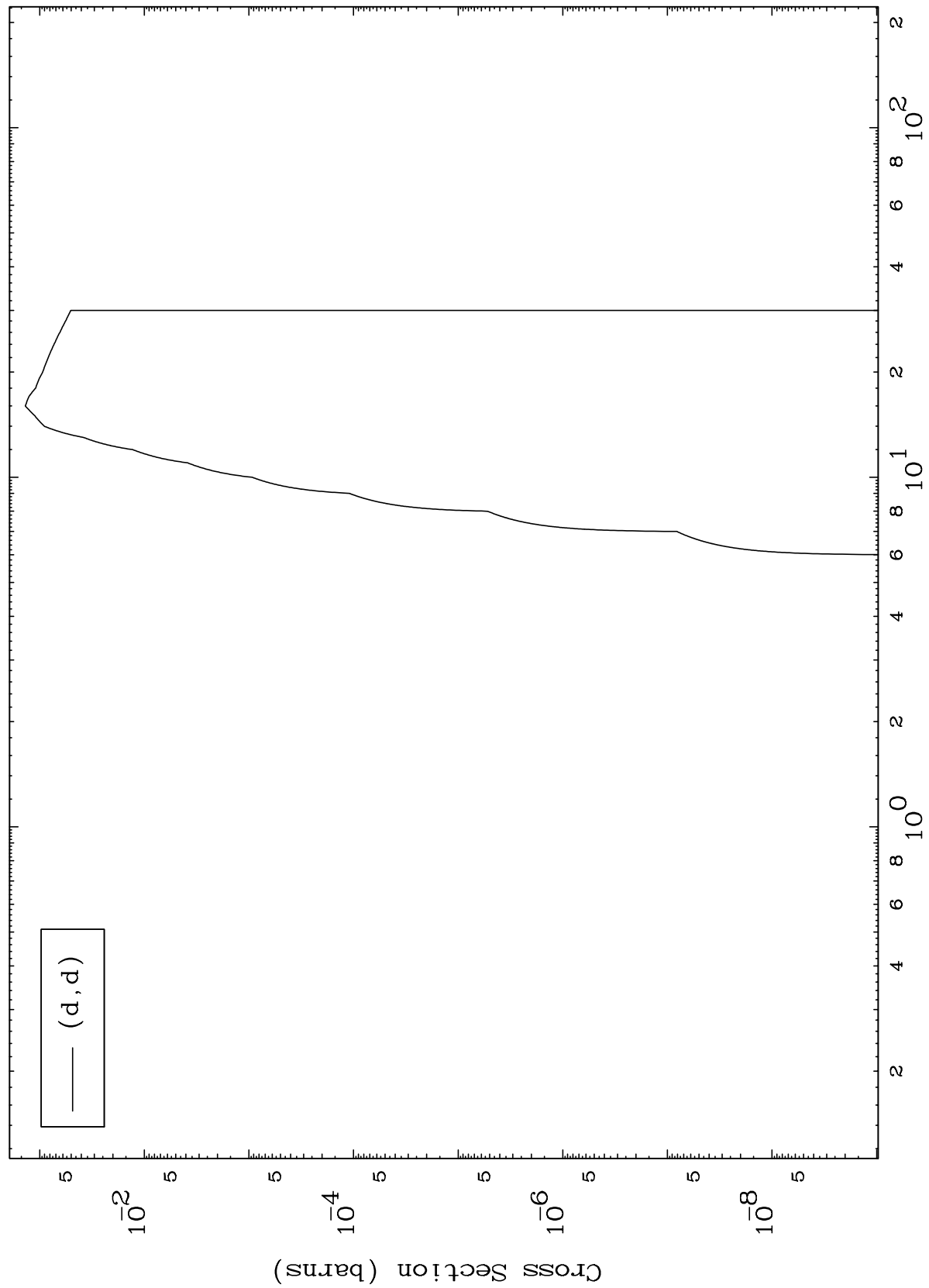
73-Ta-180



MAT 7326

73-Ta-180

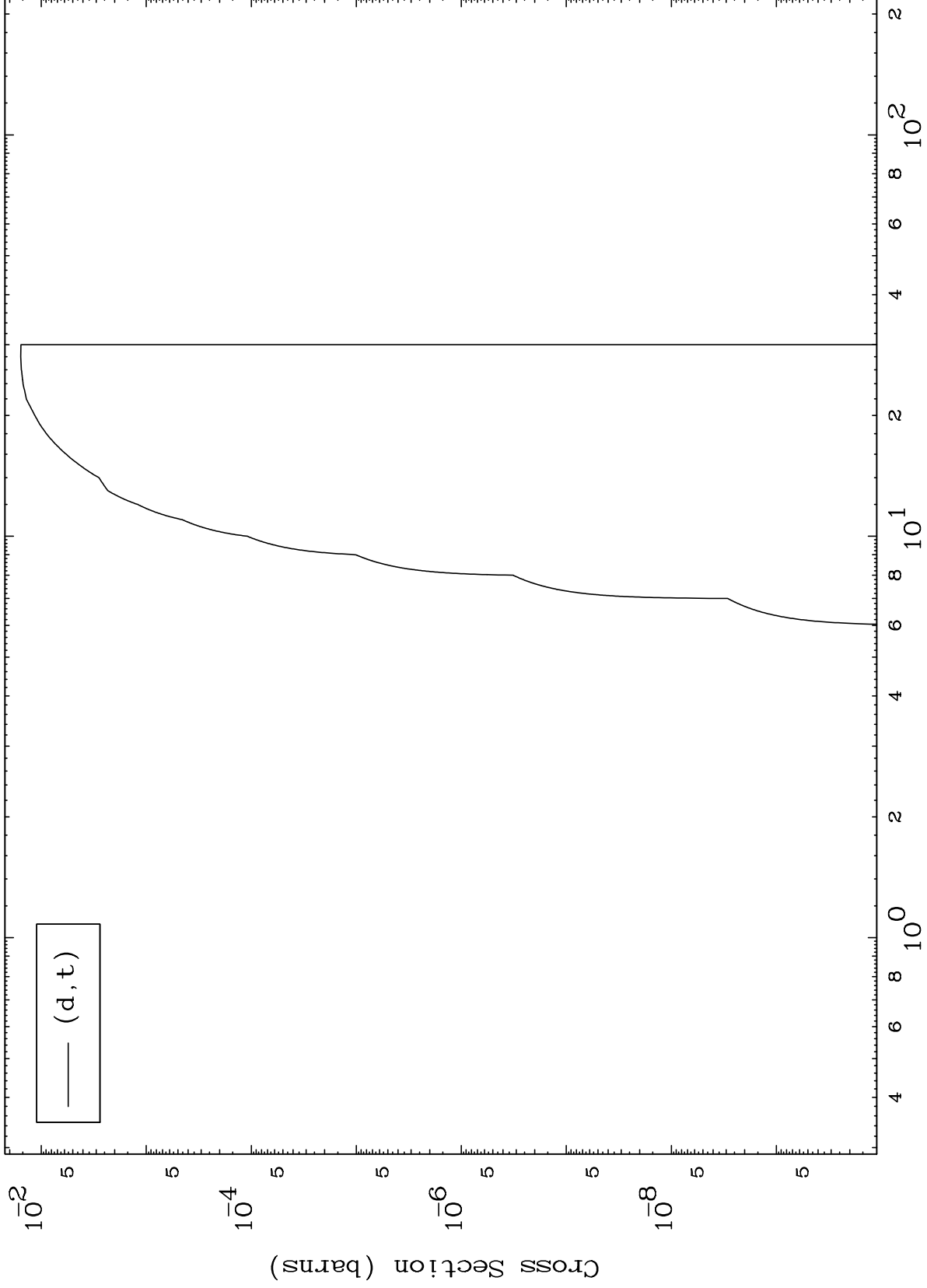
(d,d) Levels
0 Kelvin Cross Sections



MAT 7326

(d, t) Levels
0 Kelvin Cross Sections

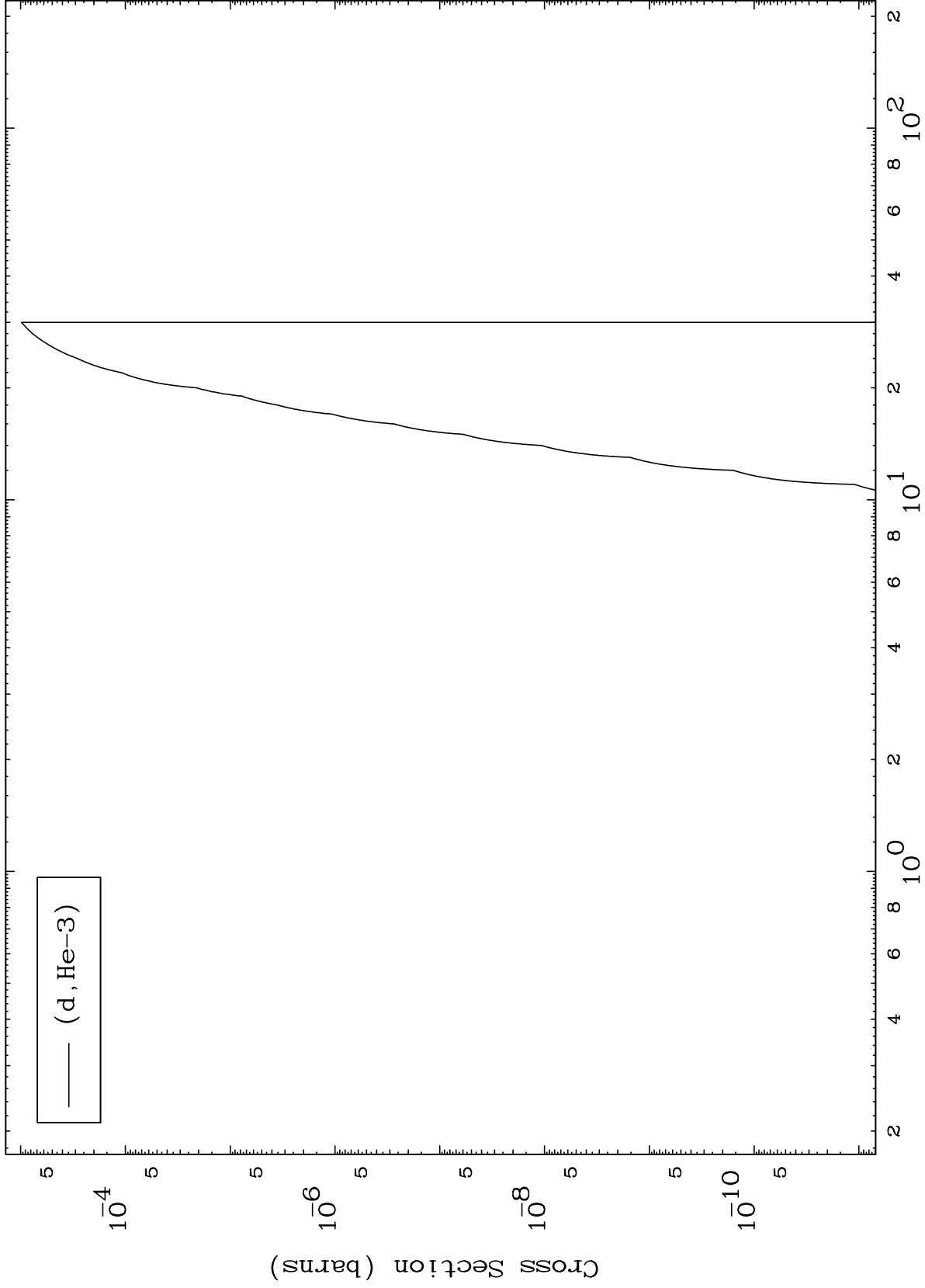
73-Ta-180



MAT 7326

(d,He3) Levels
0 Kelvin Cross Sections

73-Ta-180



10

Incident Energy (MeV)

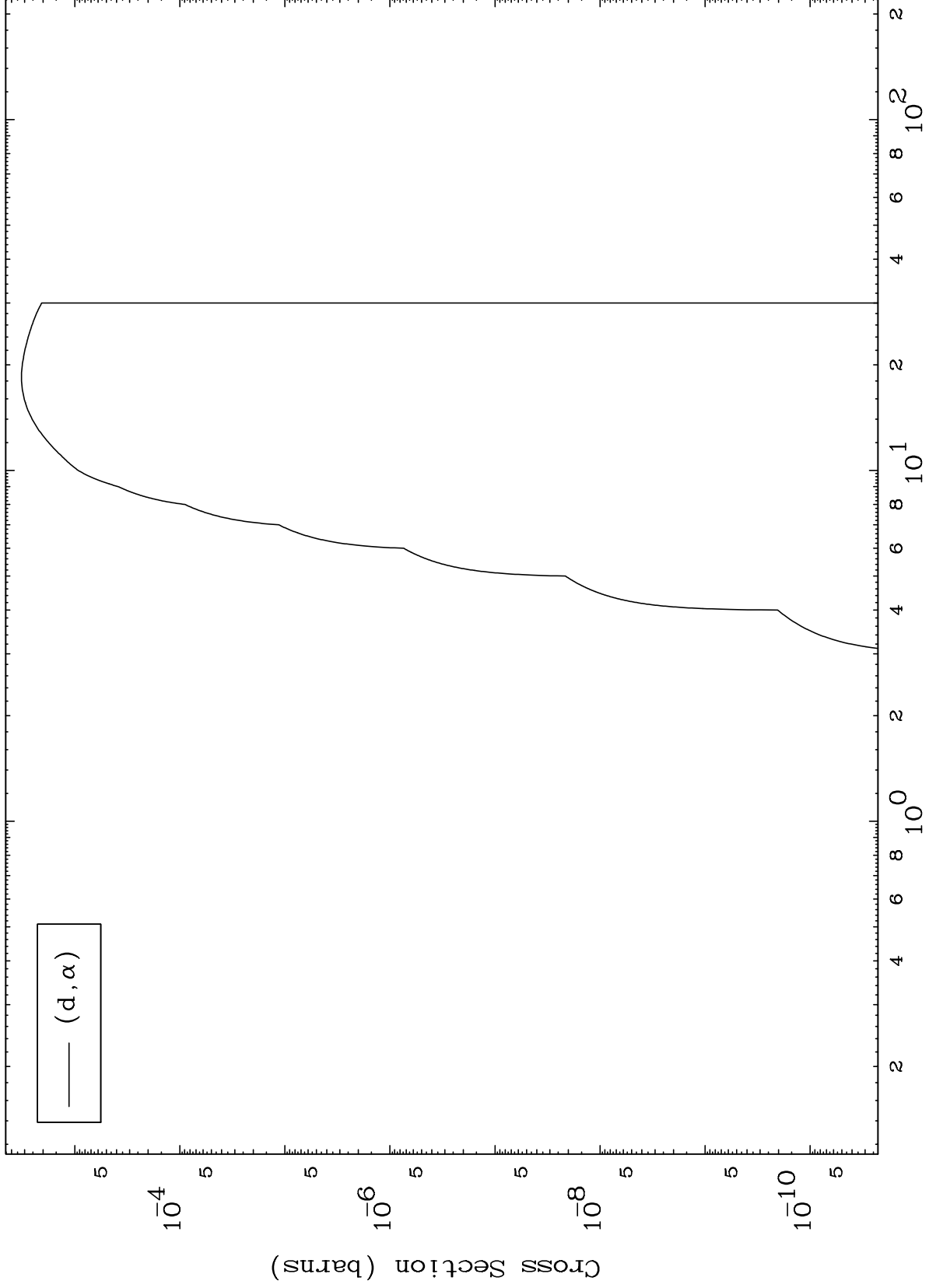
73-Ta-180

MAT 7326

(d, α) Levels

⁷³Ta-180

0 Kelvin Cross Sections

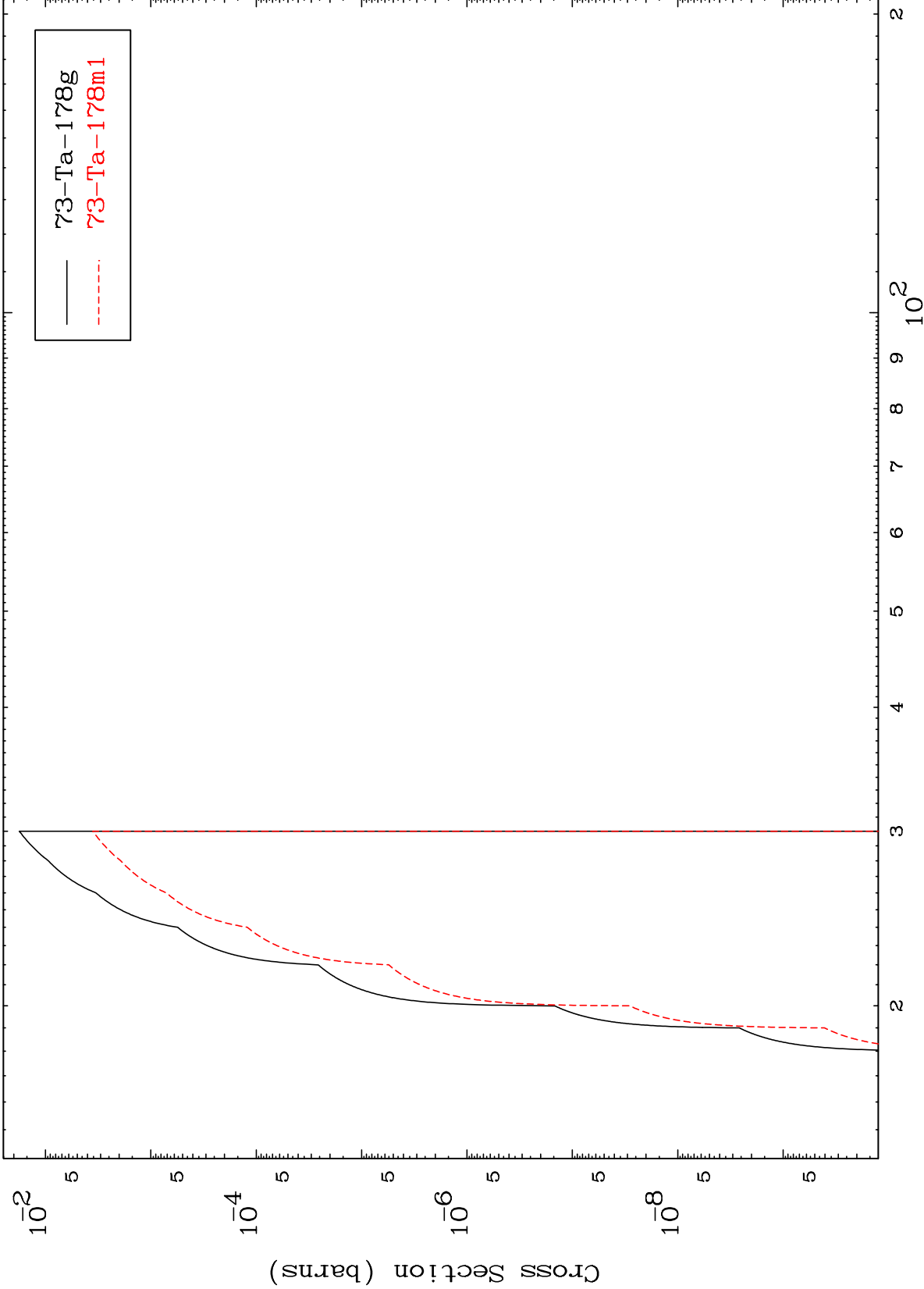


MAT 7326

(d,2n) d

⁷³Ta-180

Radionuclide Production Cross Section



12

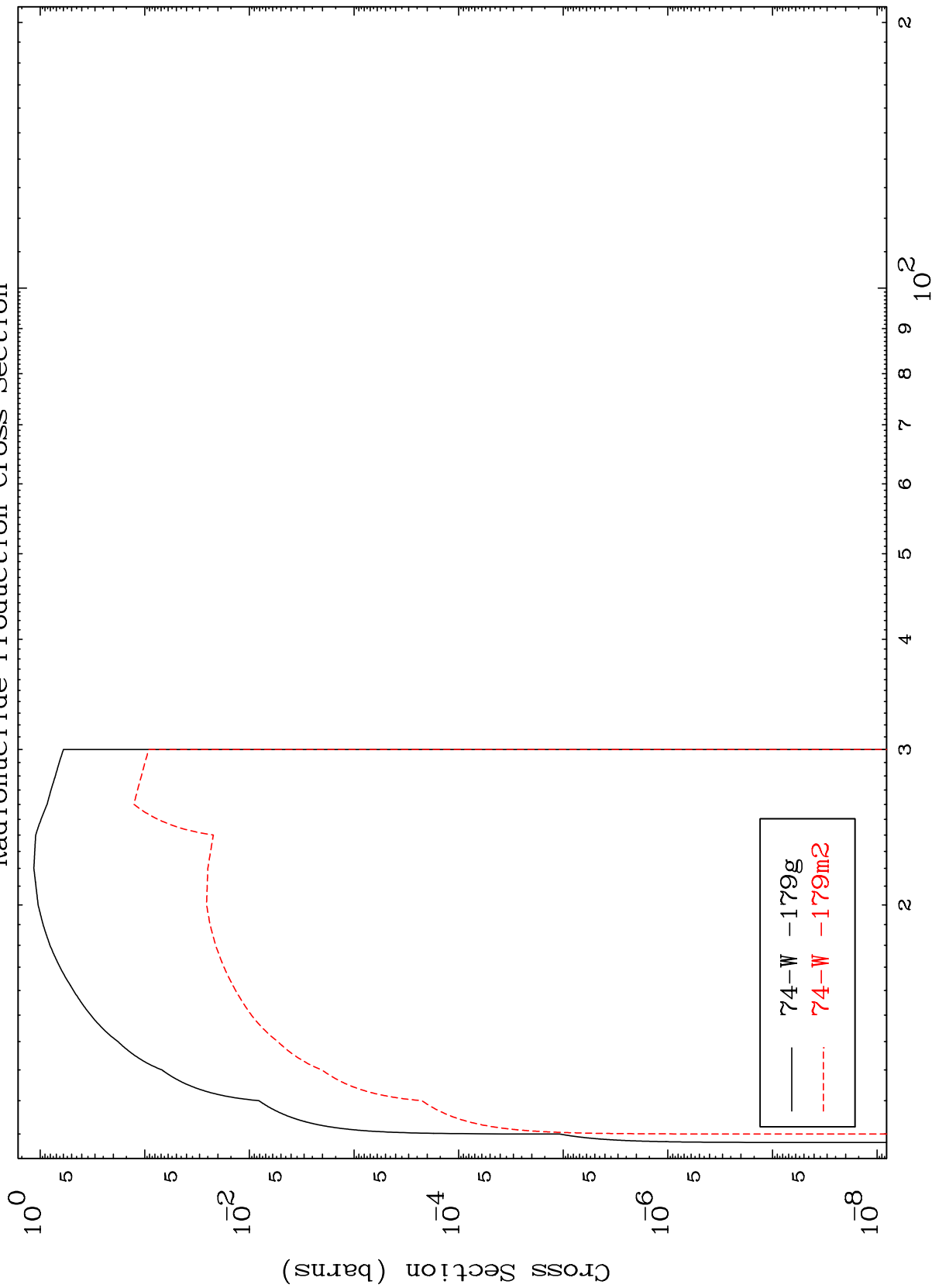
Incident Energy (MeV)

⁷³Ta-180

MAT 7326

⁷³Ta-180

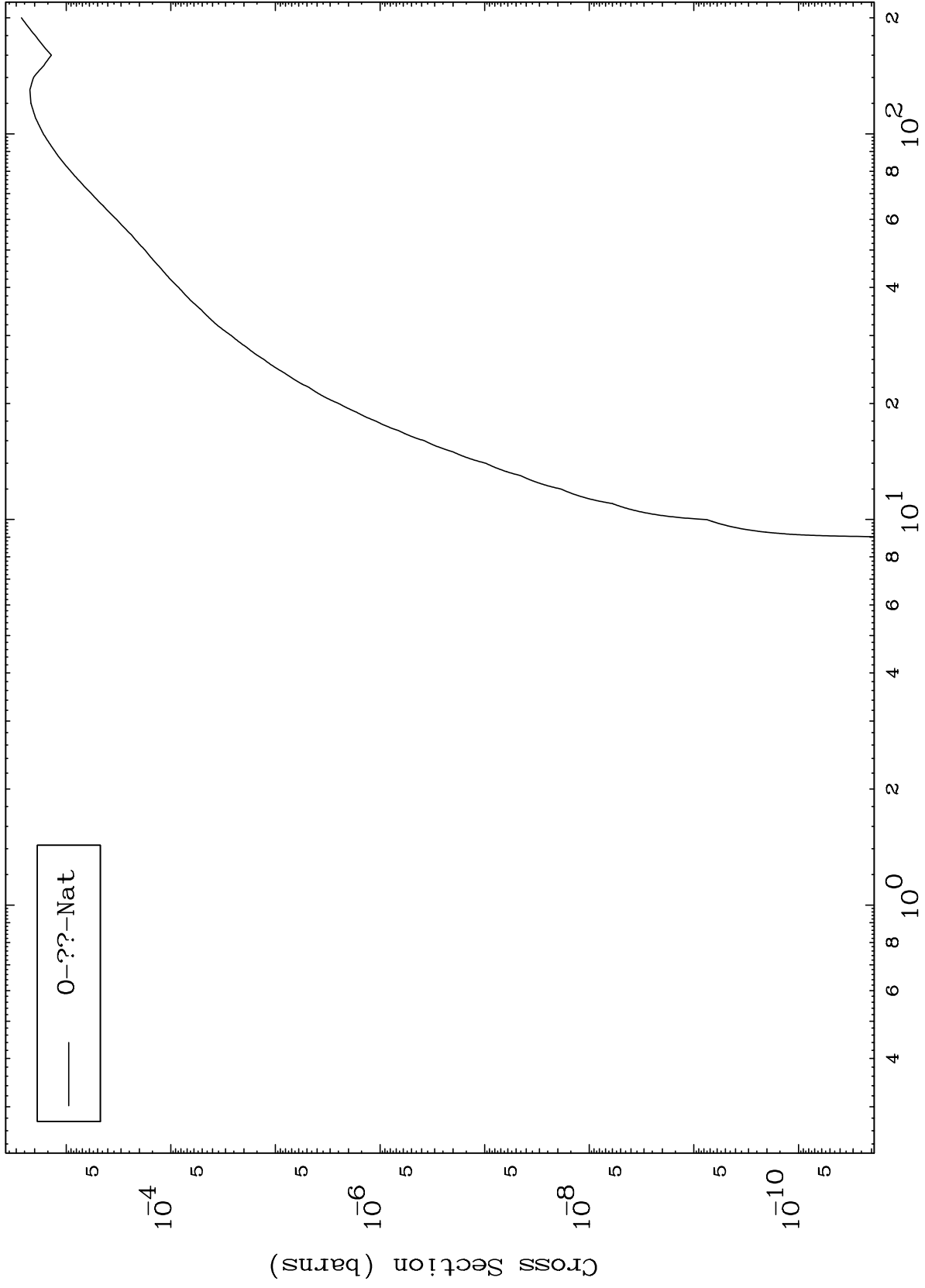
Radionuclide Production Cross Section
(d,3n)



MAT 7326

Deuteron Fission
Radionuclide Production Cross Section

⁷³Ta-180



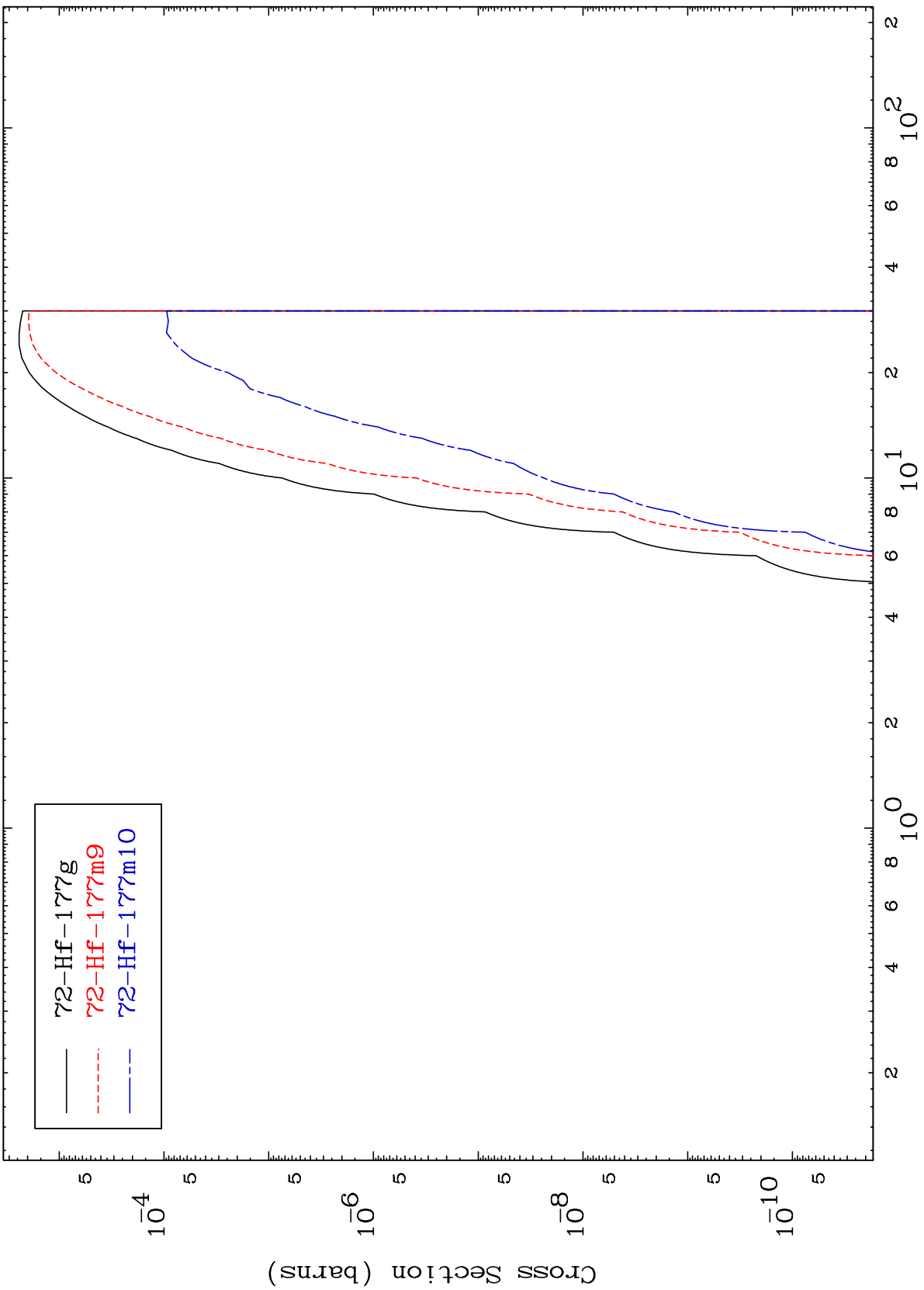
⁷³Ta-180

MAT 7326

(d,n') α

⁷³Ta-180

Radionuclide Production Cross Section



15

Incident Energy (MeV)

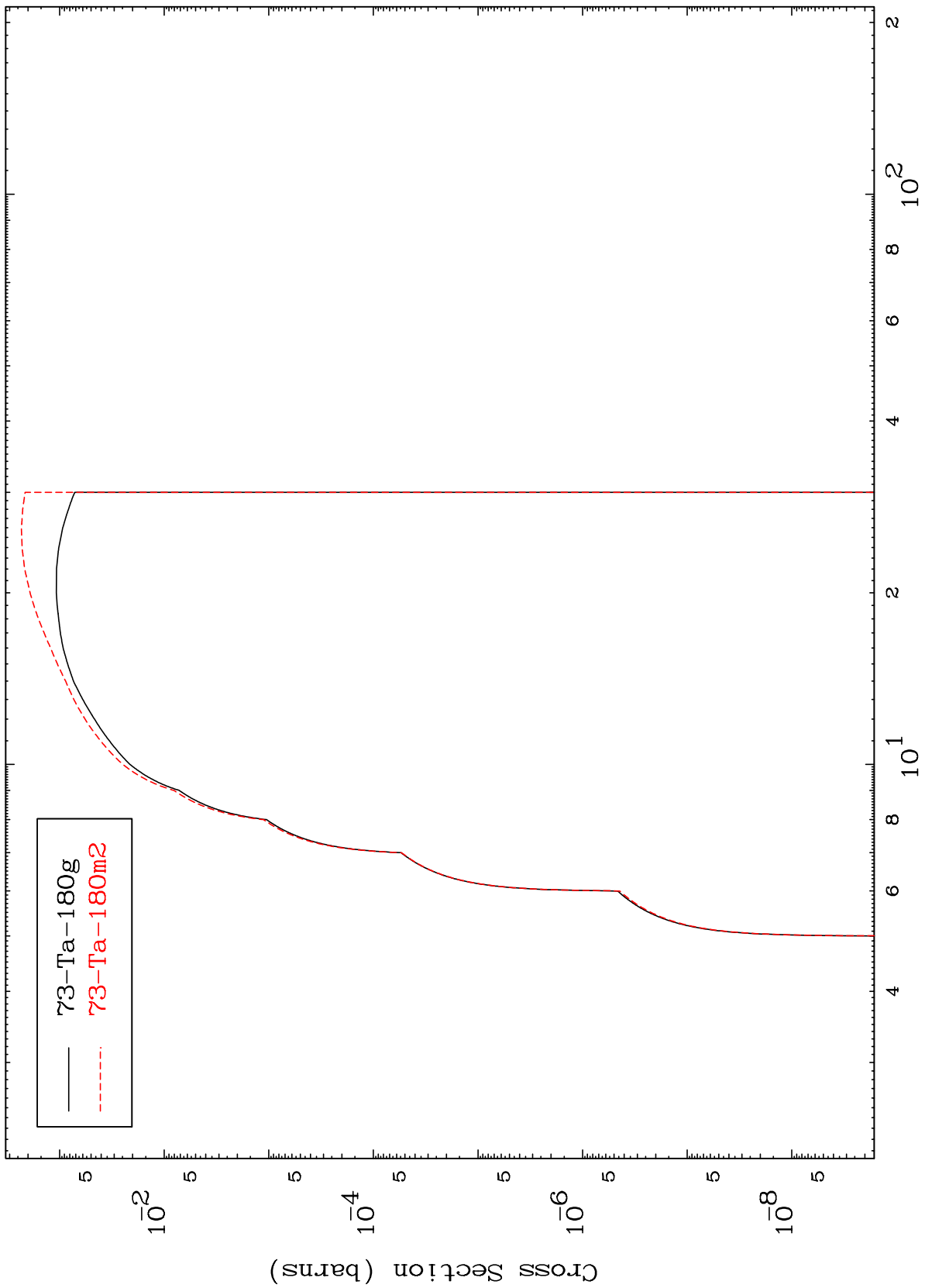
⁷³Ta-180

MAT 7326

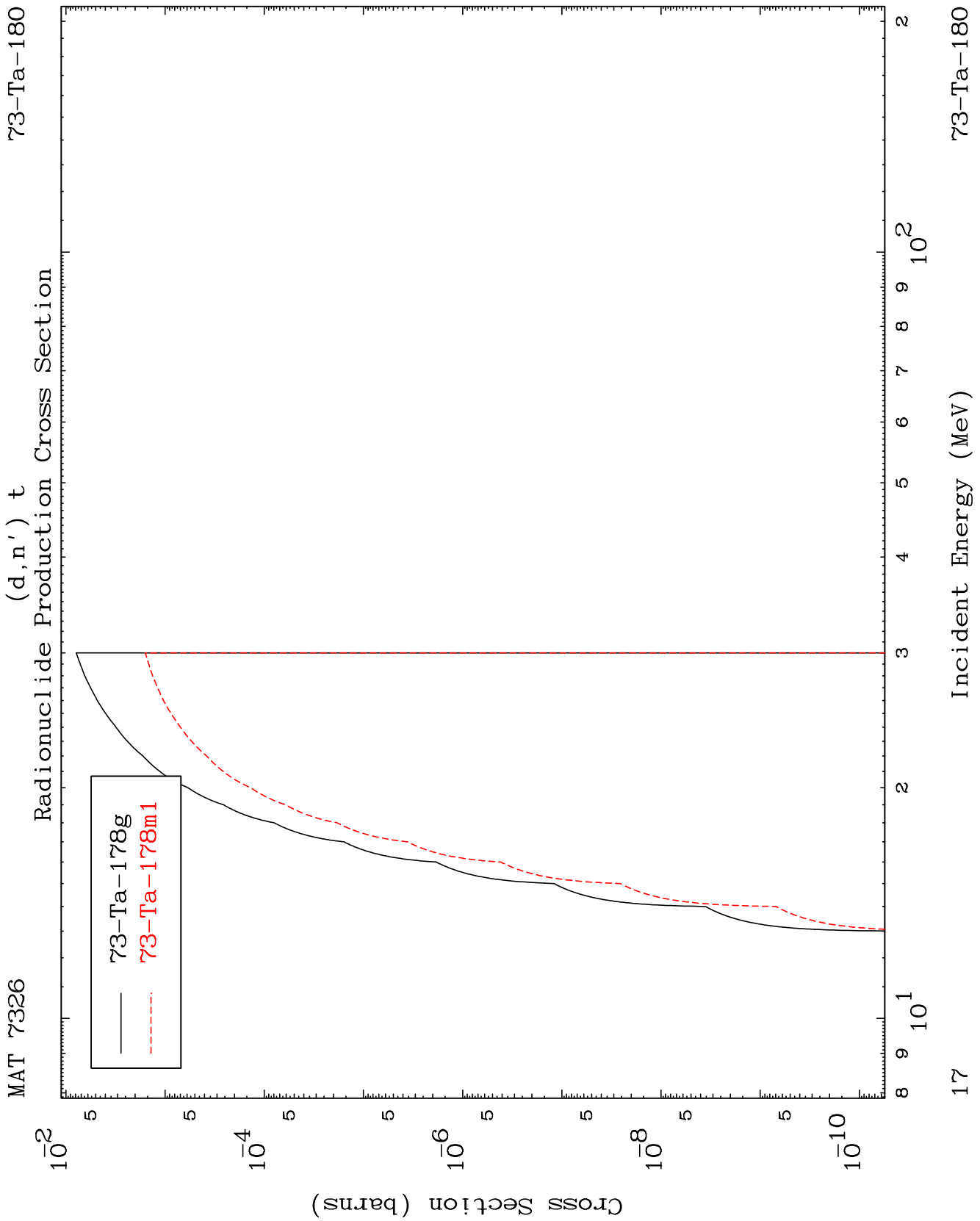
⁷³Ta-180

Radionuclide Production Cross Section

(d,n') p



Legend:
— 73-Ta-180g
- - - 73-Ta-180m2

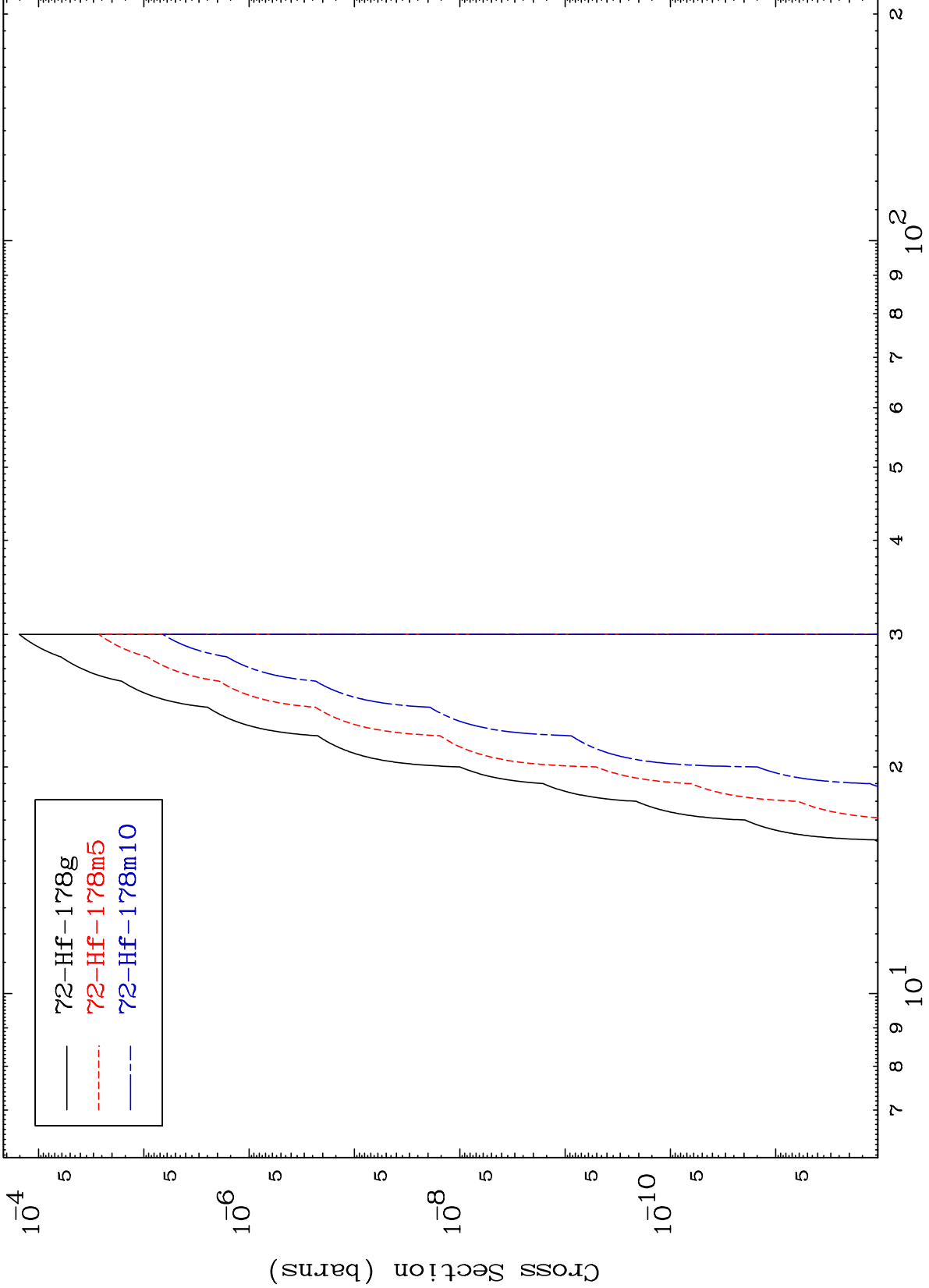


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(d,n') He-3

73-Ta-180

Radionuclide Production Cross Section



18

Incident Energy (MeV)

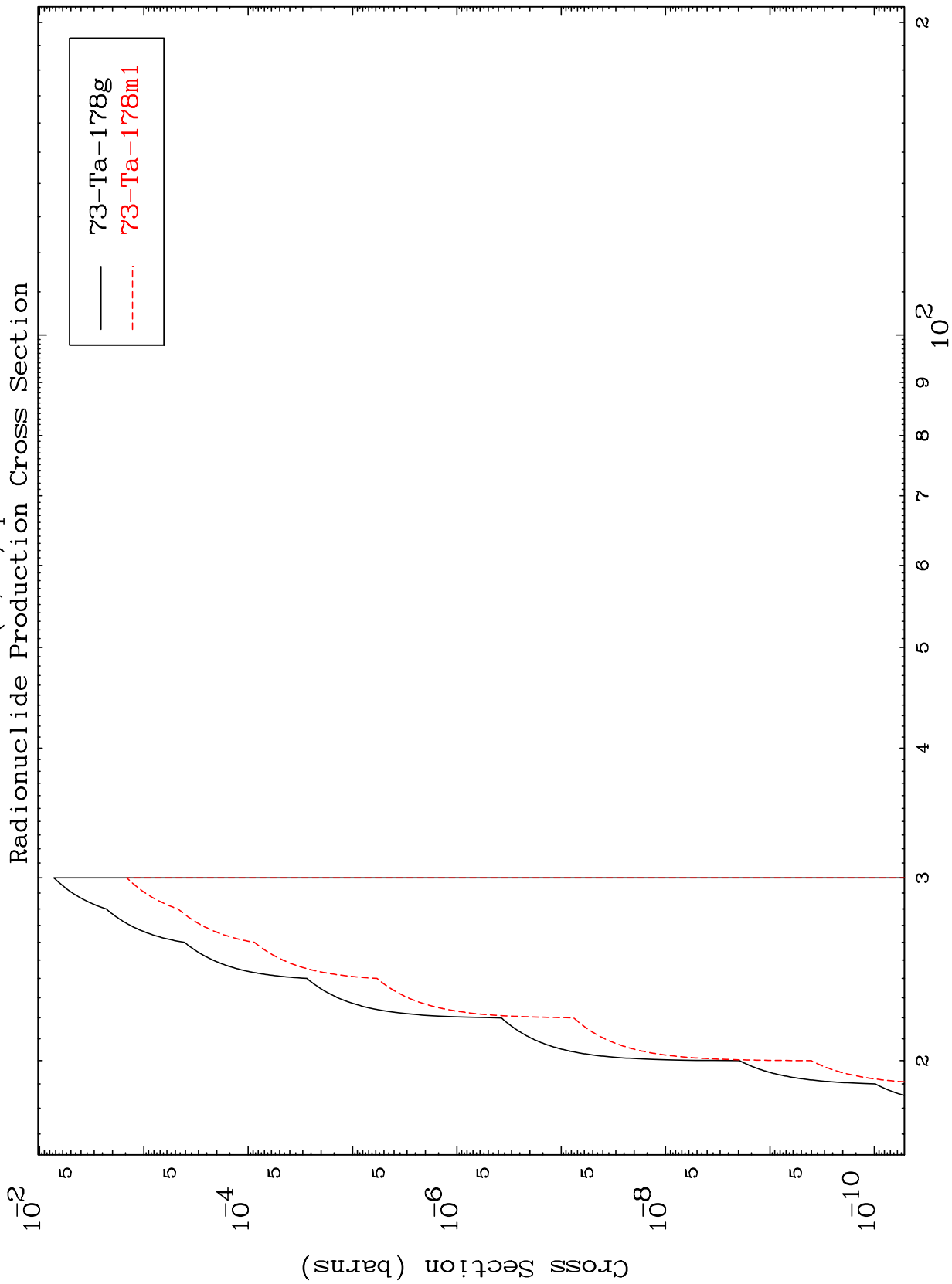
73-Ta-180

MAT 7326

(d,3n) p

⁷³Ta-180

Radionuclide Production Cross Section



19

Incident Energy (MeV)

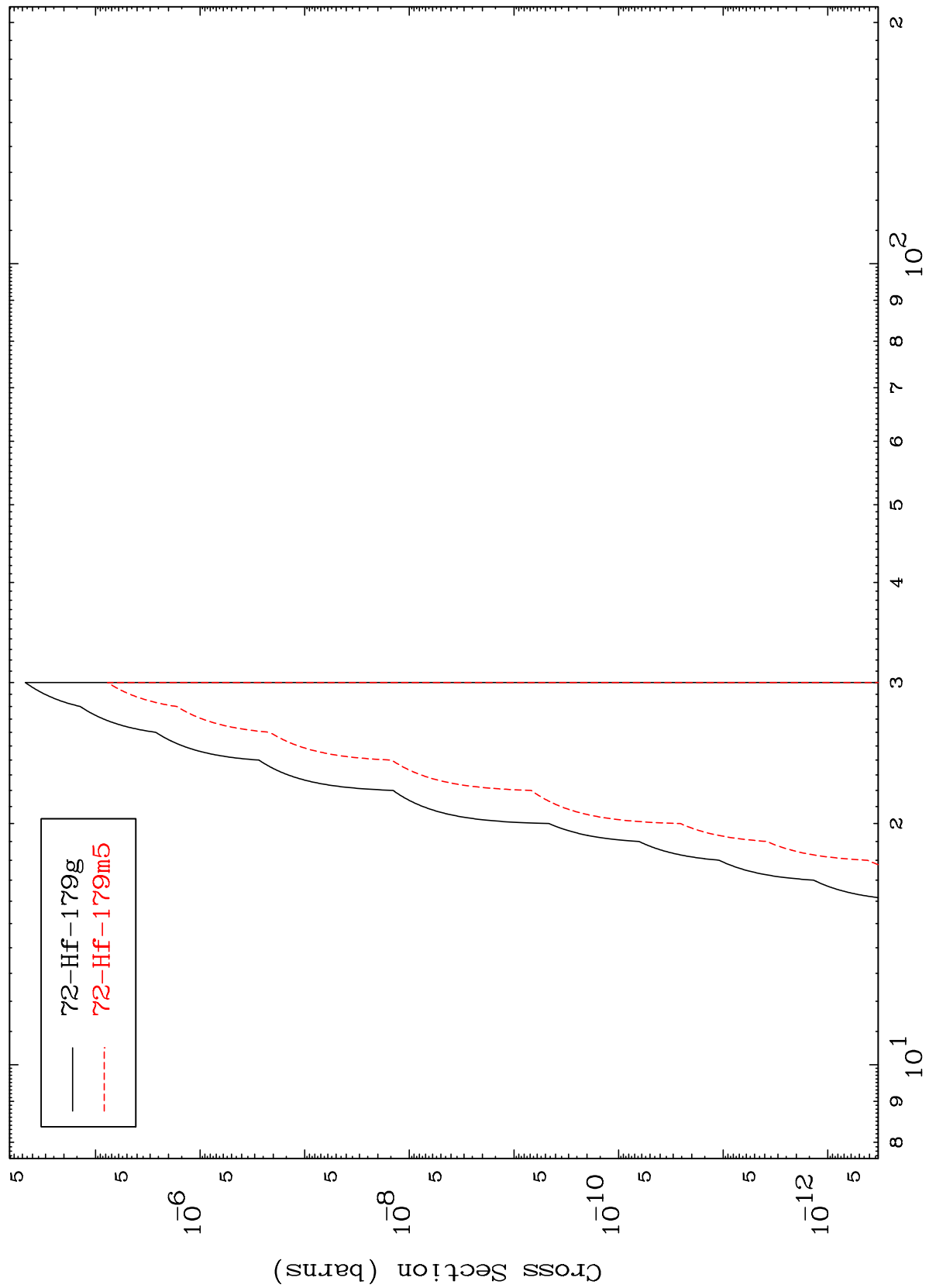
⁷³Ta-180

MAT 7326

(d,2n) p

⁷³Ta-180

Radionuclide Production Cross Section



20

Incident Energy (MeV)

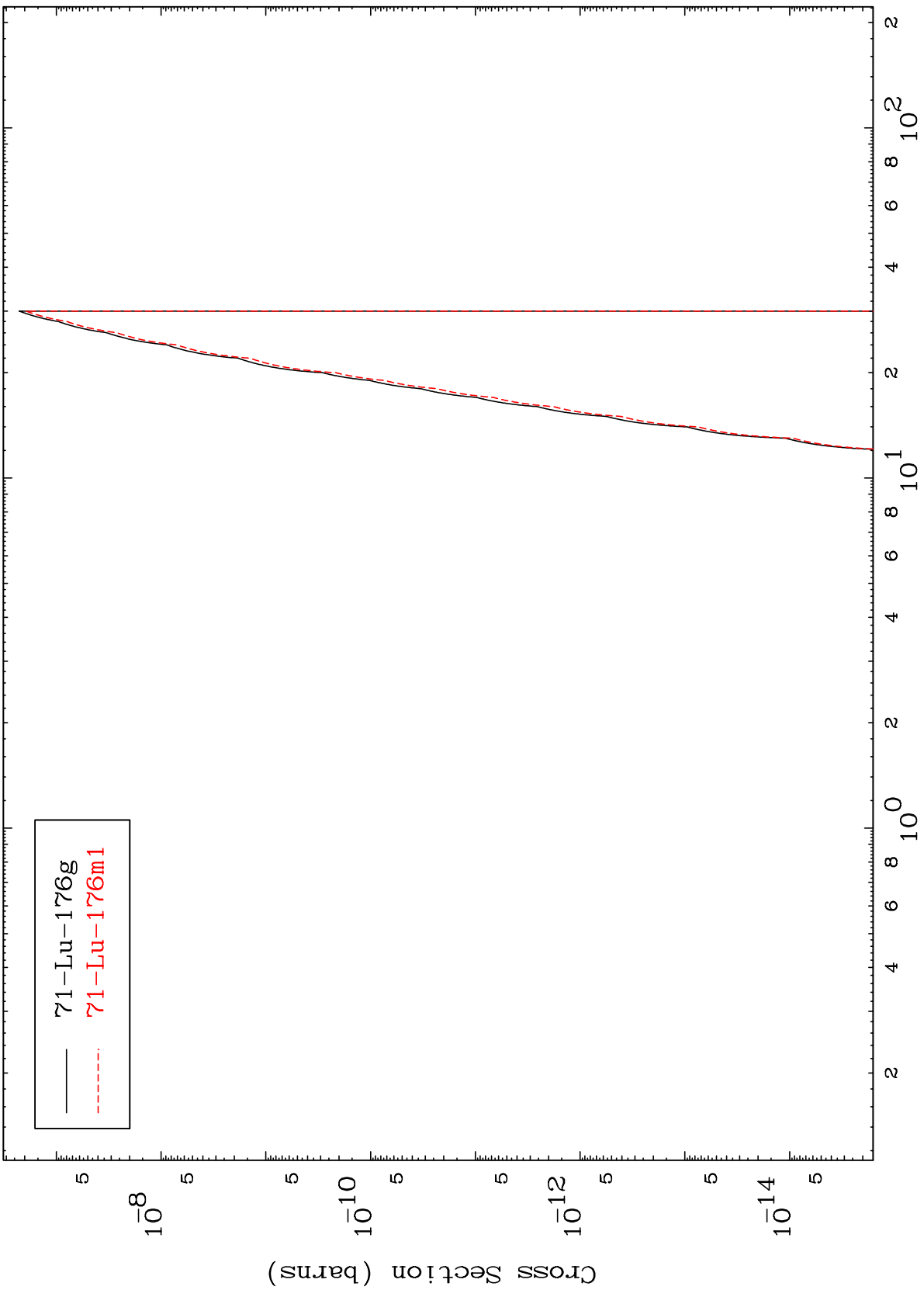
⁷³Ta-180

MAT 7326

(d,n') p α

73-Ta-180

Radionuclide Production Cross Section

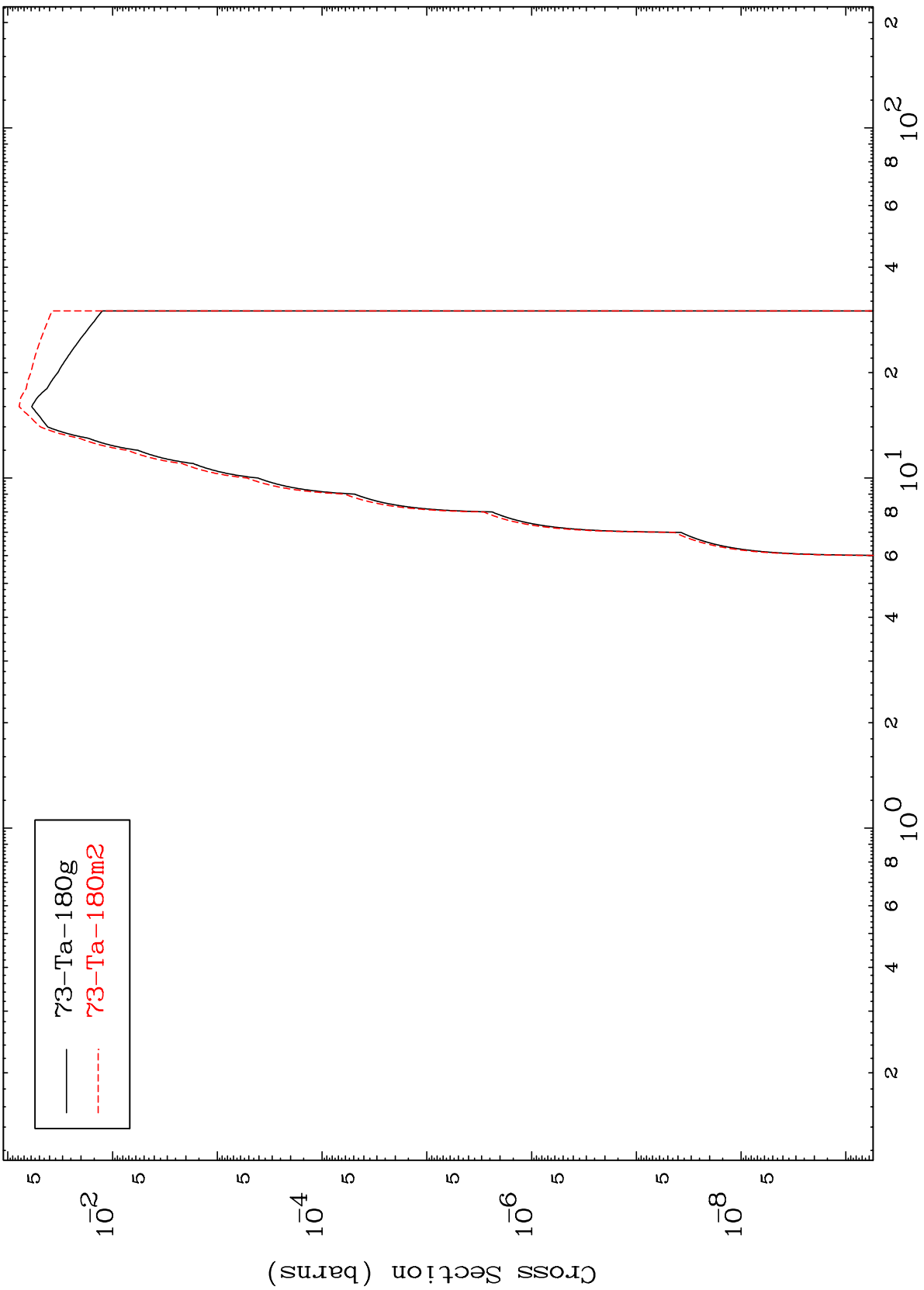


MAT 7326

(d,d)

⁷³Ta-180

Radionuclide Production Cross Section



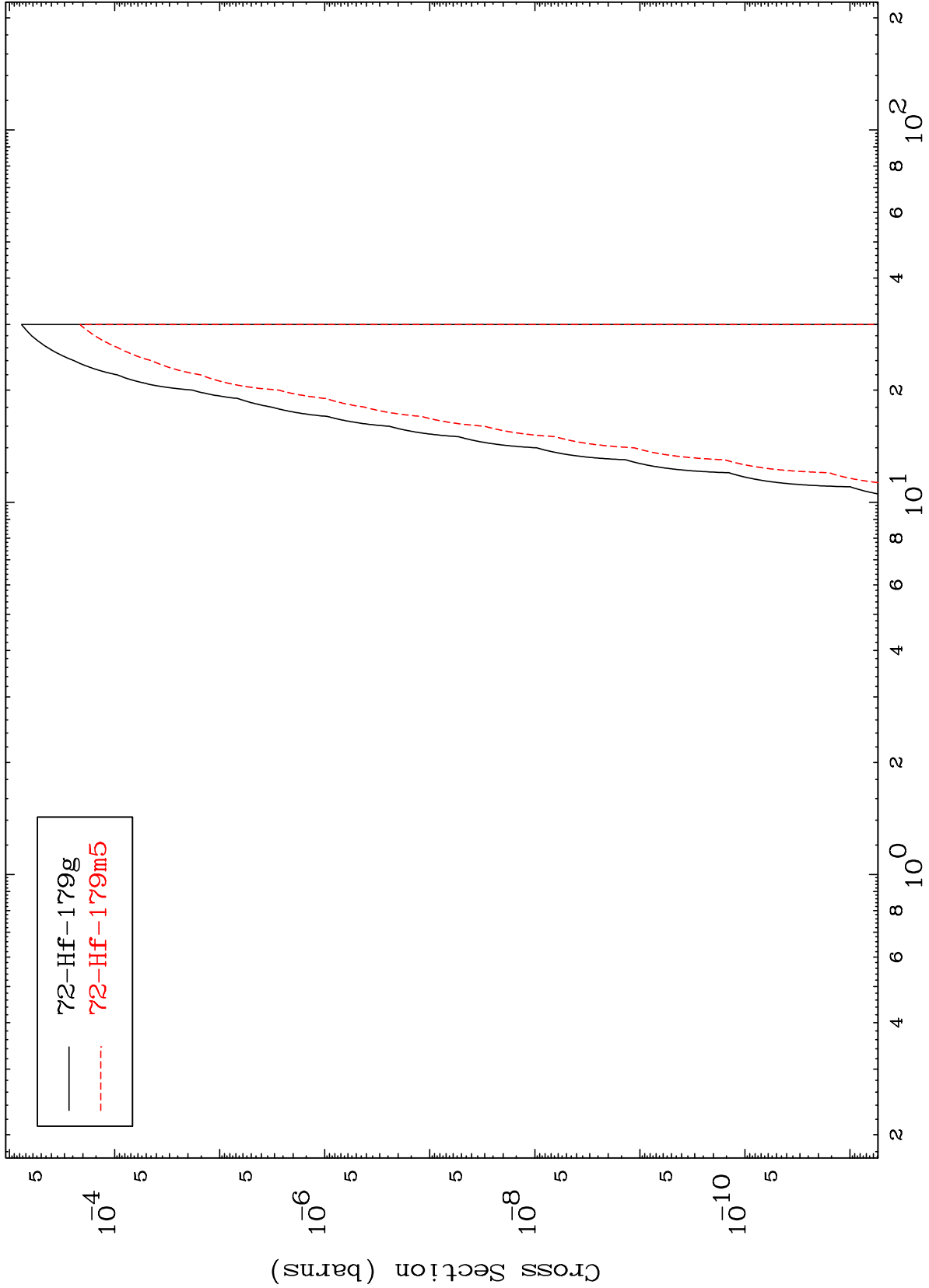
— ⁷³Ta-180g
- - - ⁷³Ta-180m2

MAT 7326

(d,He-3)

73-Ta-180

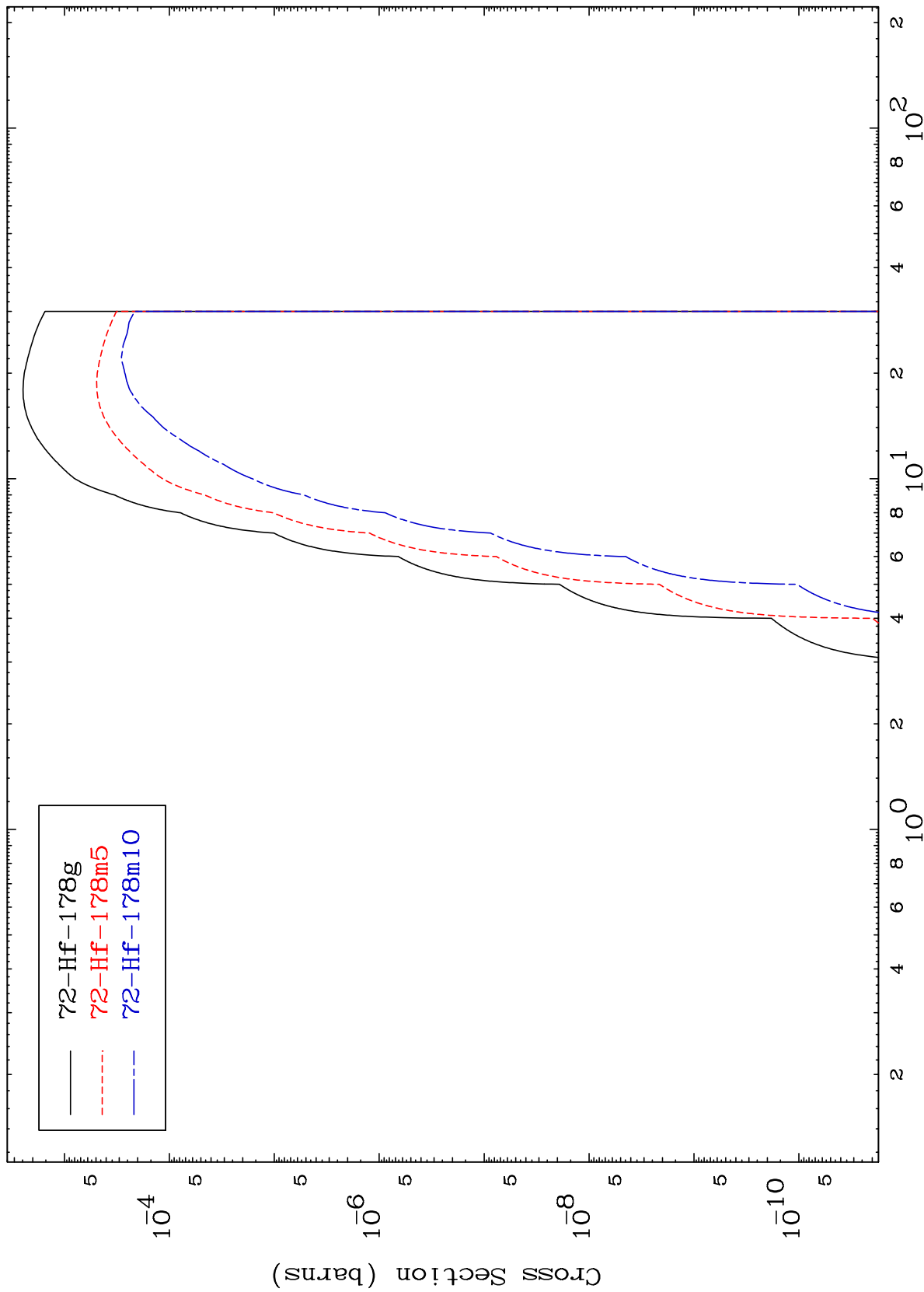
Radionuclide Production Cross Section



MAT 7326

73-Ta-180

(d, α)
Radionuclide Production Cross Section



73-Ta-180

Incident Energy (MeV)

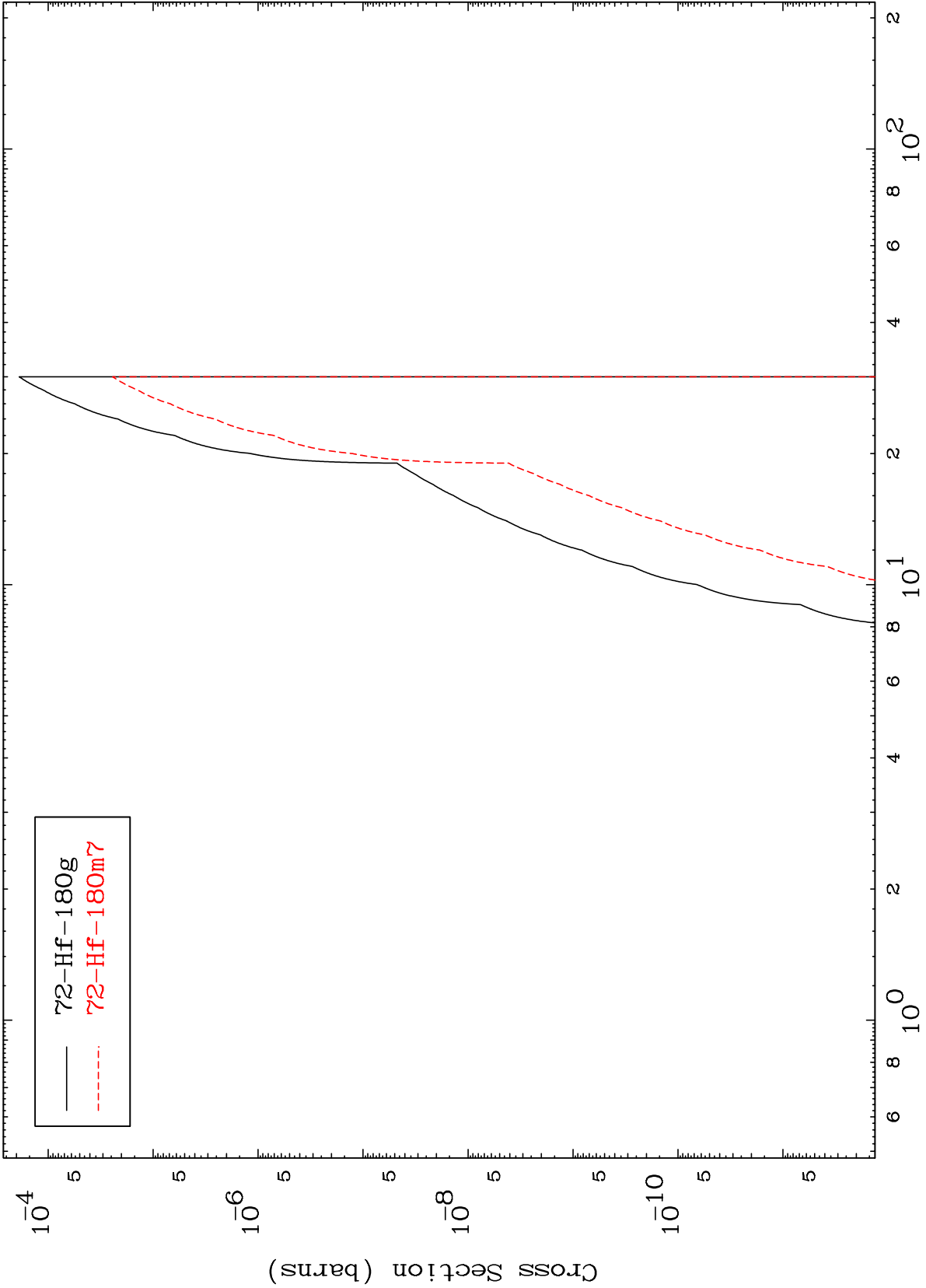
24

MAT 7326

(d,2p)

⁷³Ta-180

Radionuclide Production Cross Section



72-Hf-180g
72-Hf-180m7

25

Incident Energy (MeV)

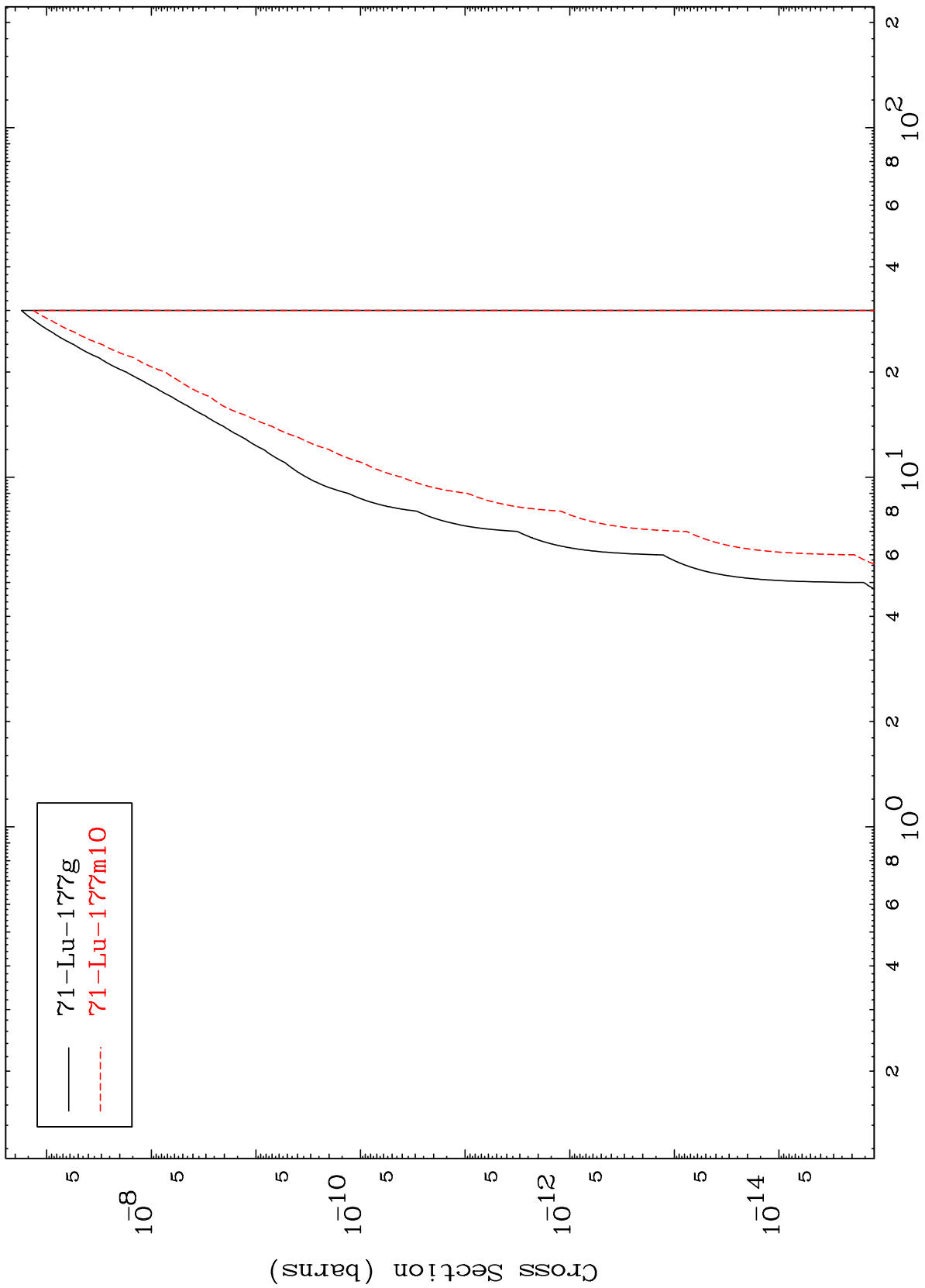
⁷³Ta-180

MAT 7326

(d,p) α

⁷³Ta-180

Radionuclide Production Cross Section



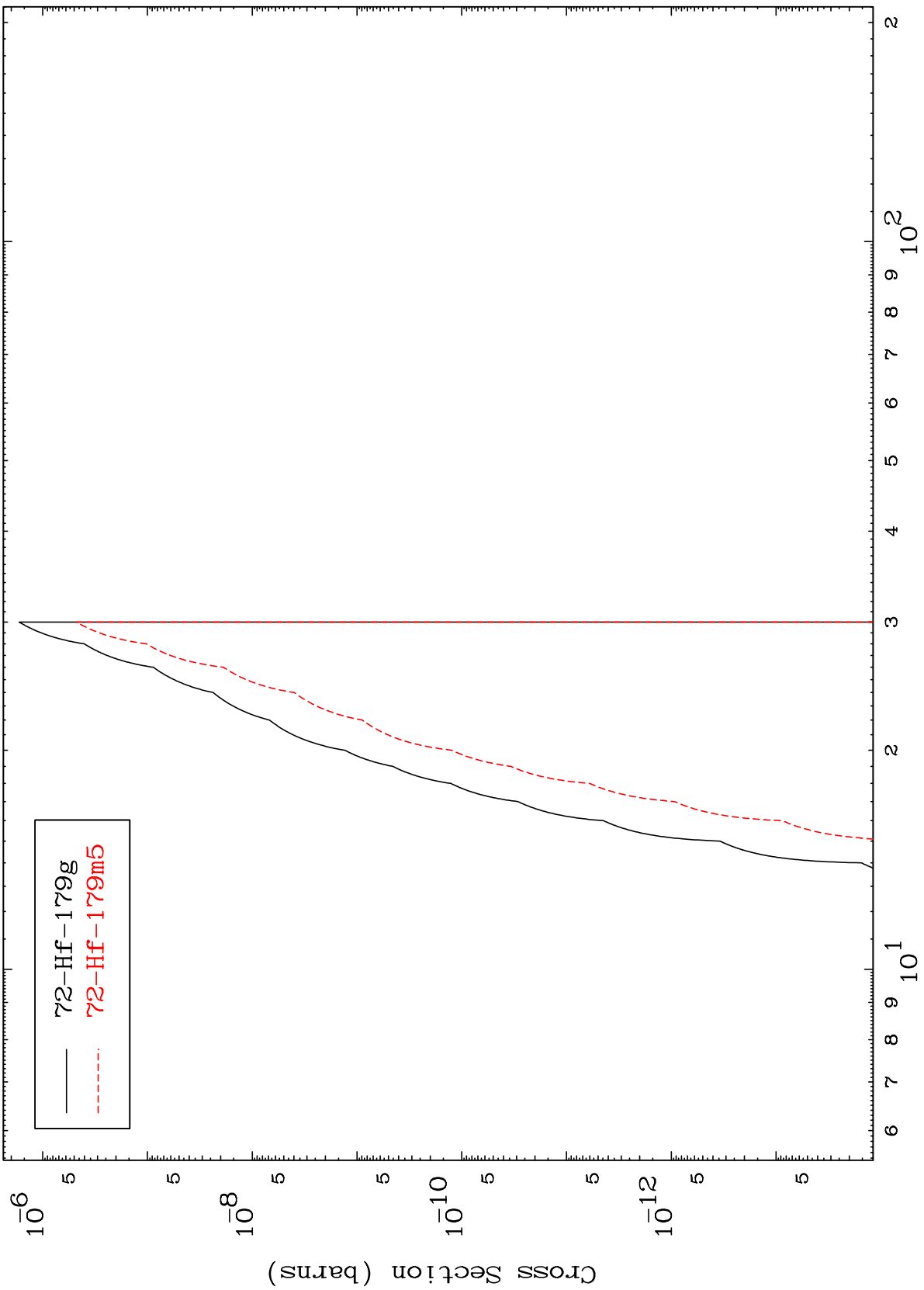
— 71-Lu-177g
- - - 71-Lu-177m10

MAT 7326

(d,p) d

⁷³Ta-180

Radionuclide Production Cross Section



— ⁷²Hf-179g
- - - ⁷²Hf-179m5

27

Incident Energy (MeV)

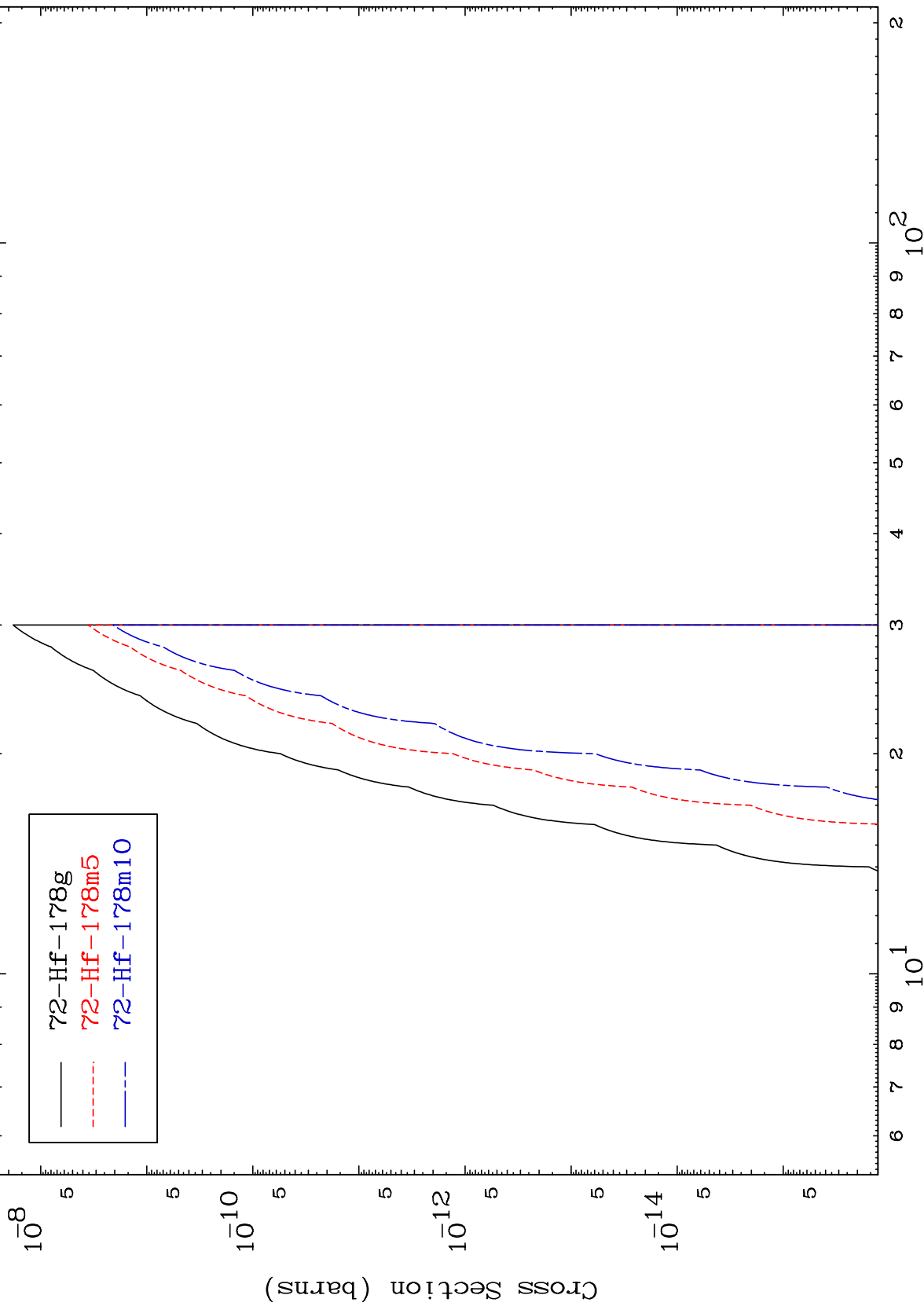
⁷³Ta-180

MAT 7326

(d,p) t

⁷³Ta-180

Radionuclide Production Cross Section



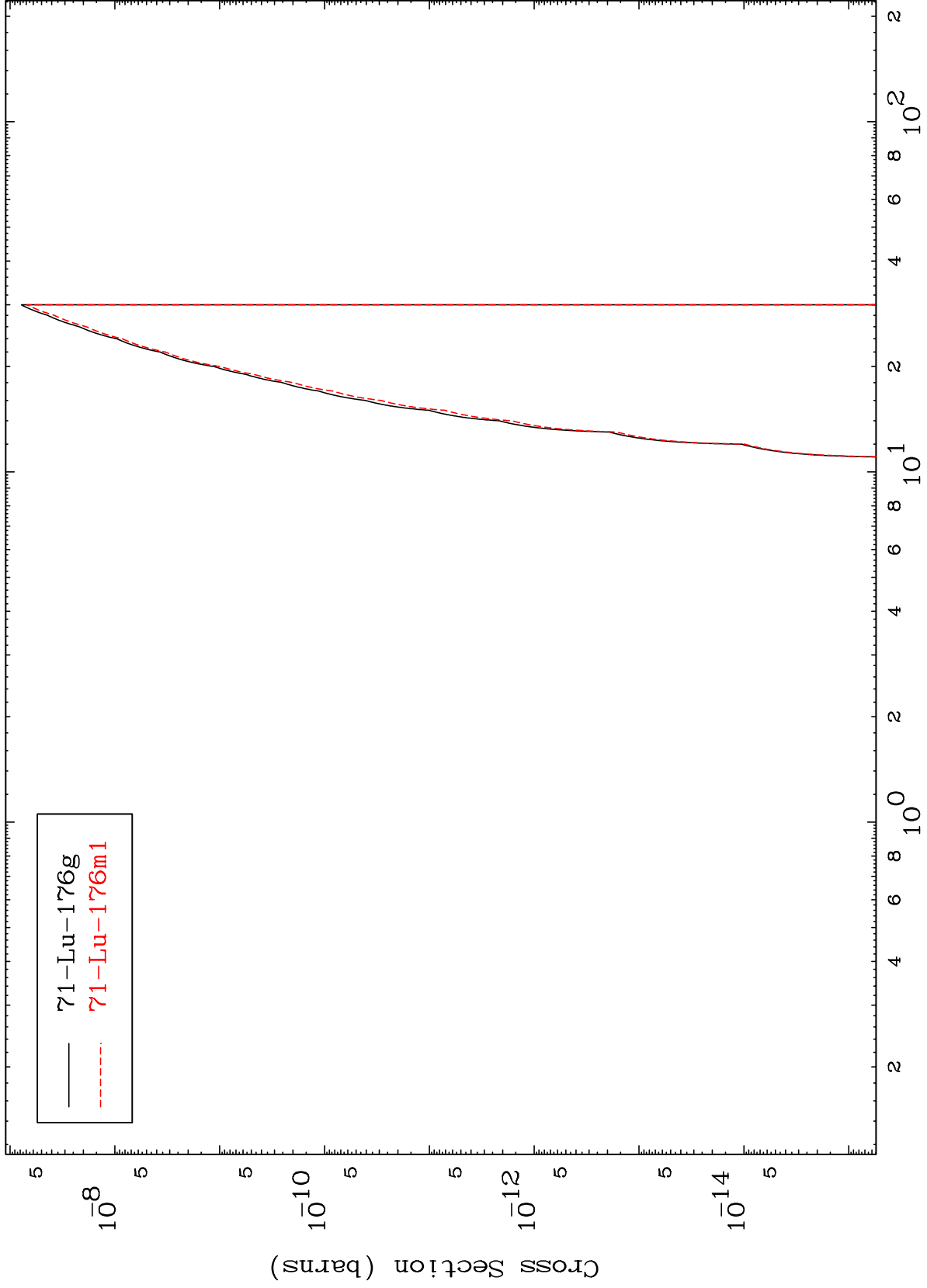
72-Hf-178g
72-Hf-178m5
72-Hf-178m10

MAT 7326

(d,d) α

⁷³Ta-180

Radionuclide Production Cross Section



— 71-Lu-176g
- - - 71-Lu-176m1