

Program EVALPLOT
(Version 2015-2)

by

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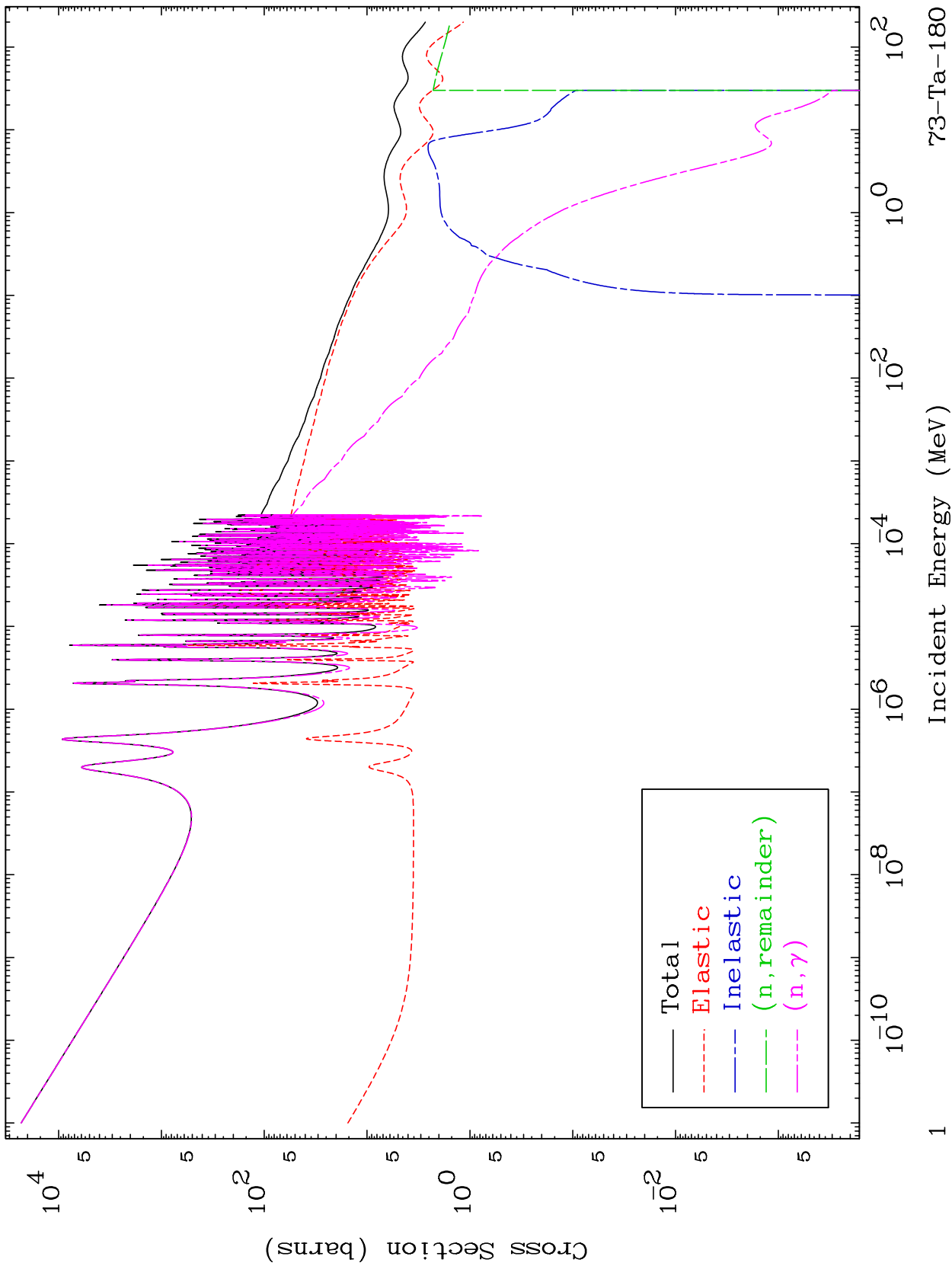
Press Mouse Button to Start

MAT 7326

Major

293 Kelvin Cross Sections

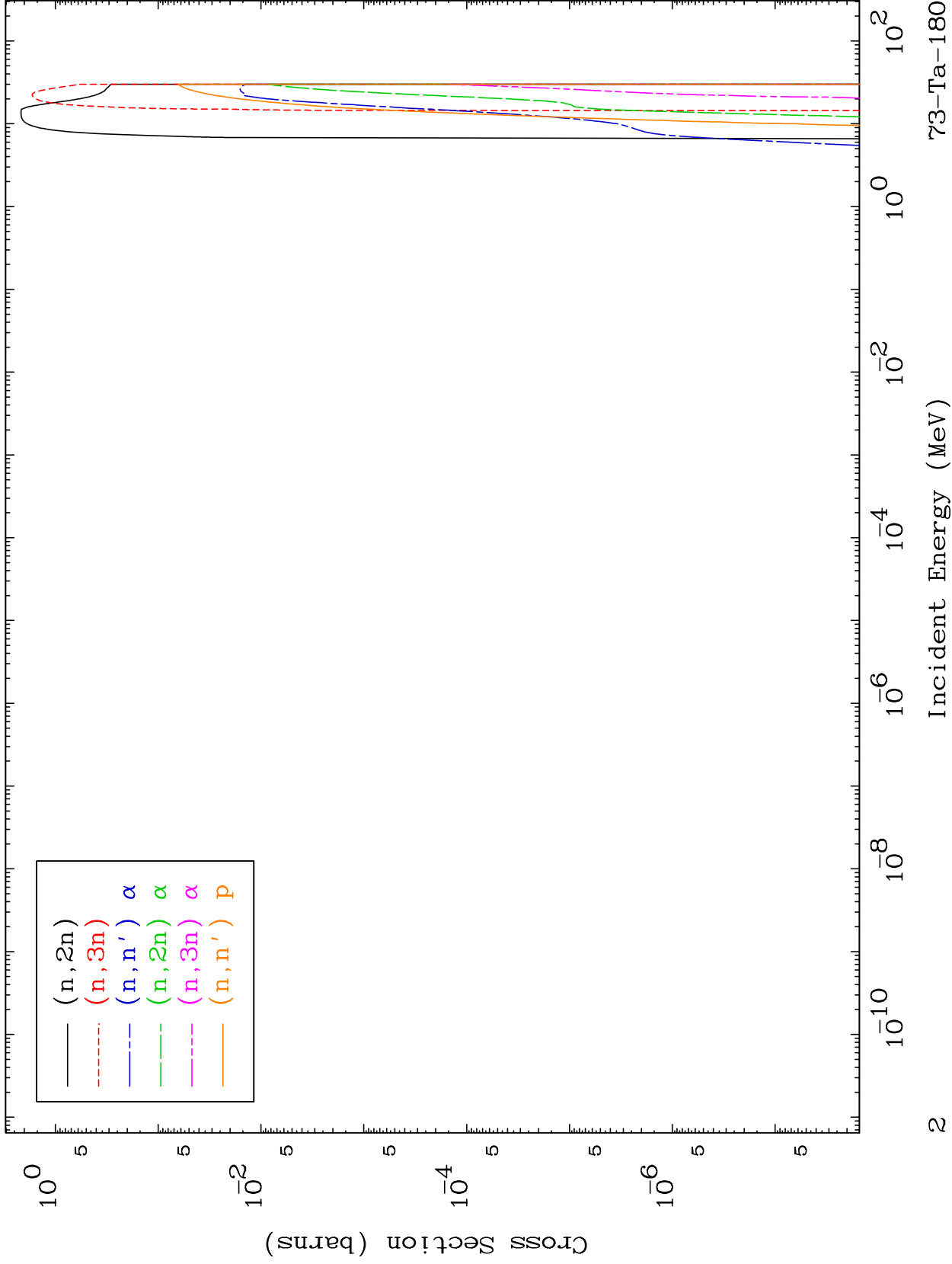
73-Ta-180



MAT 7326

Neutron Production
293 Kelvin Cross Sections

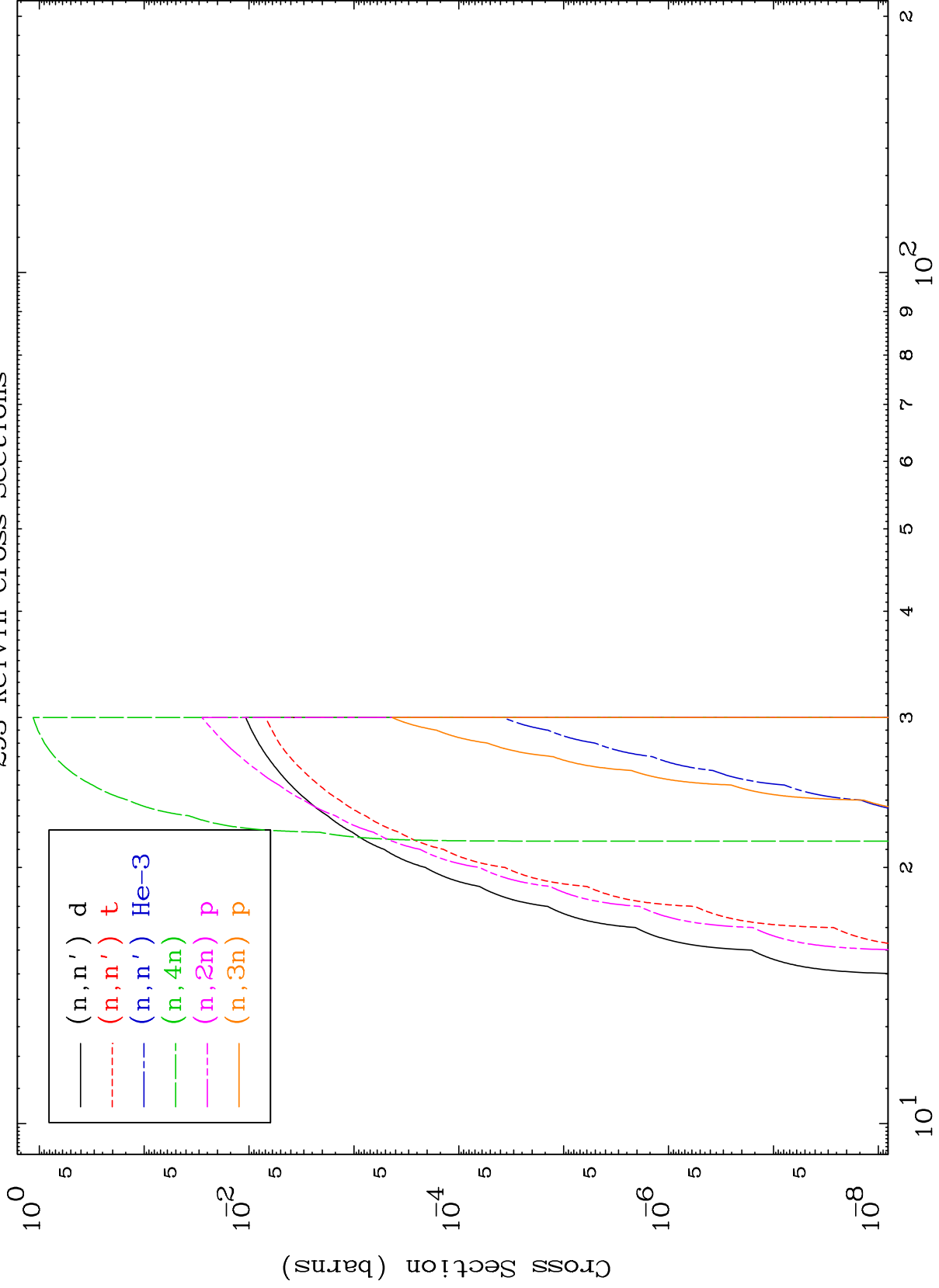
73-Ta-180



MAT 7326

Neutron Production
293 Kelvin Cross Sections

73-Ta-180



Incident Energy (MeV)

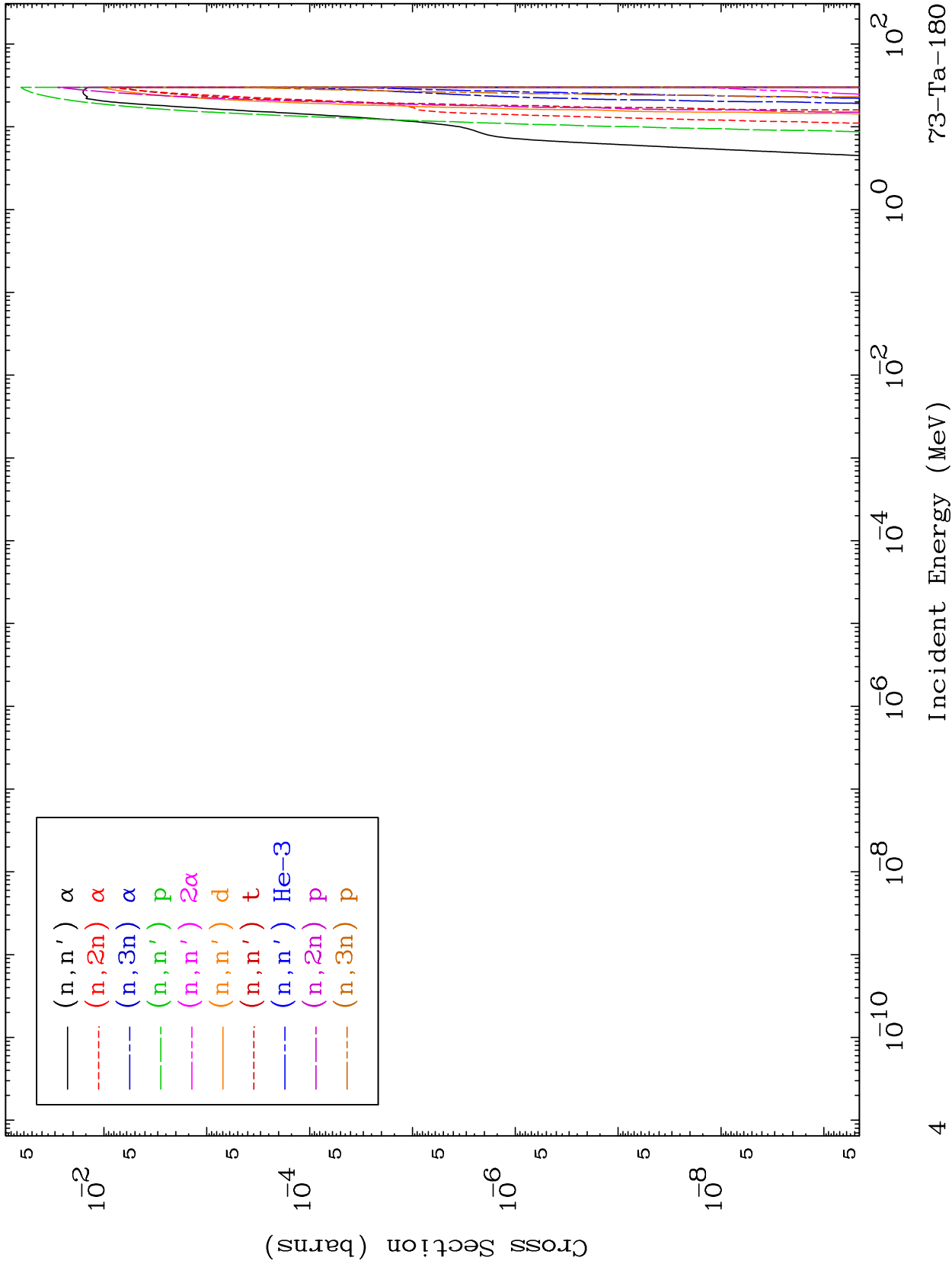
73-Ta-180

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MAT 7326

Charged Particle
293 Kelvin Cross Sections

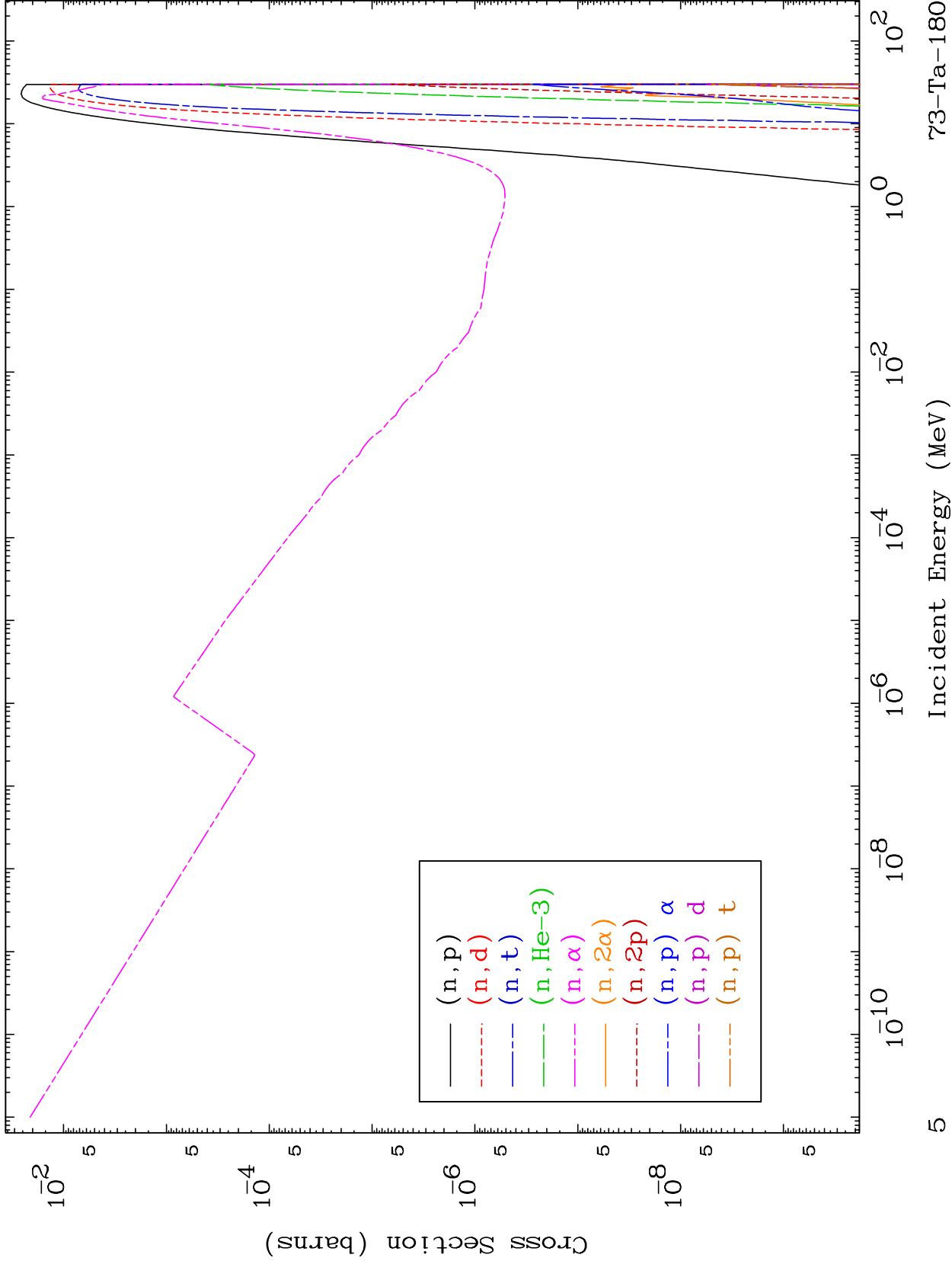
73-Ta-180



MAT 7326

Charged Particle
293 Kelvin Cross Sections

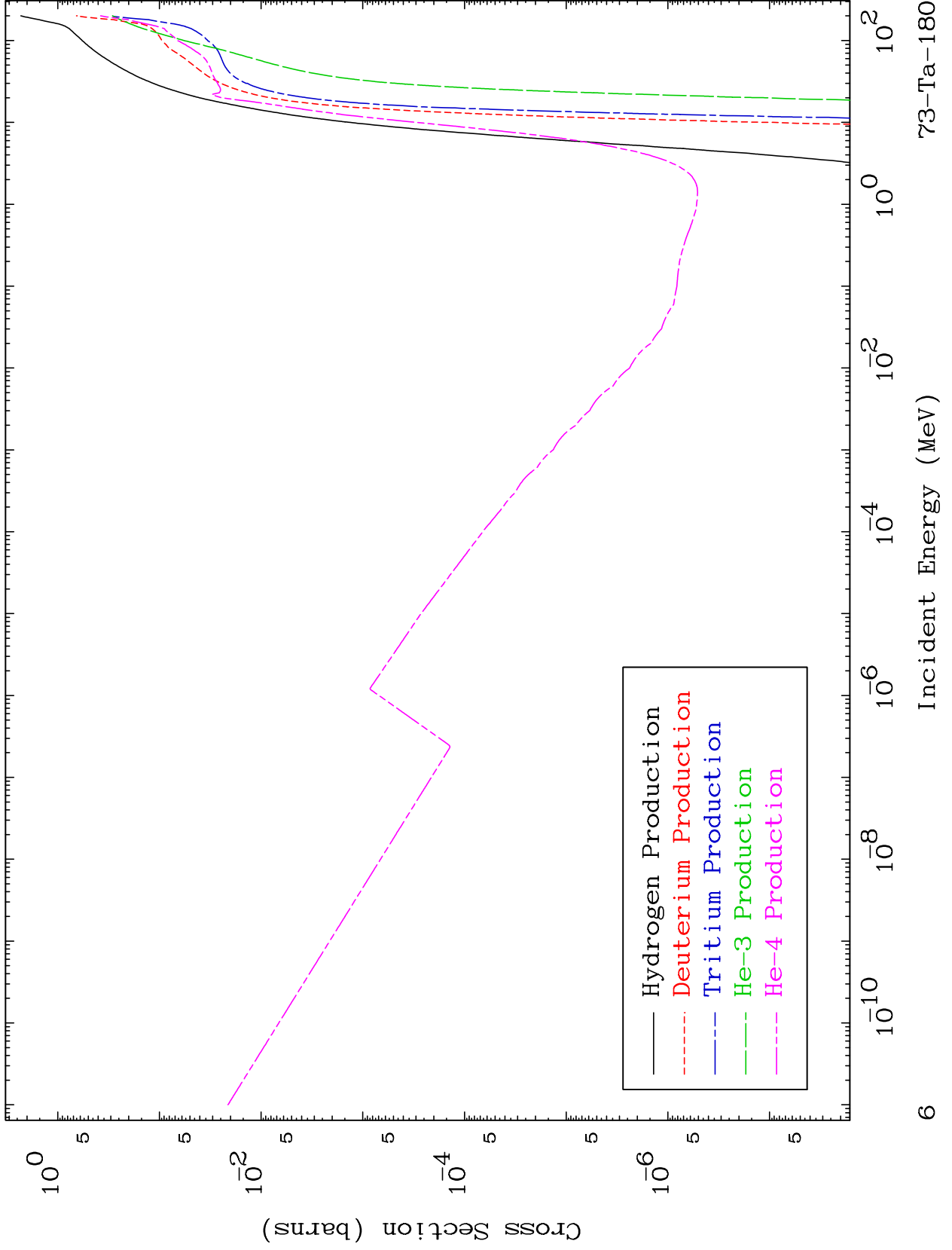
73-Ta-180



MAT 7326

Particle Production
293 Kelvin Cross Sections

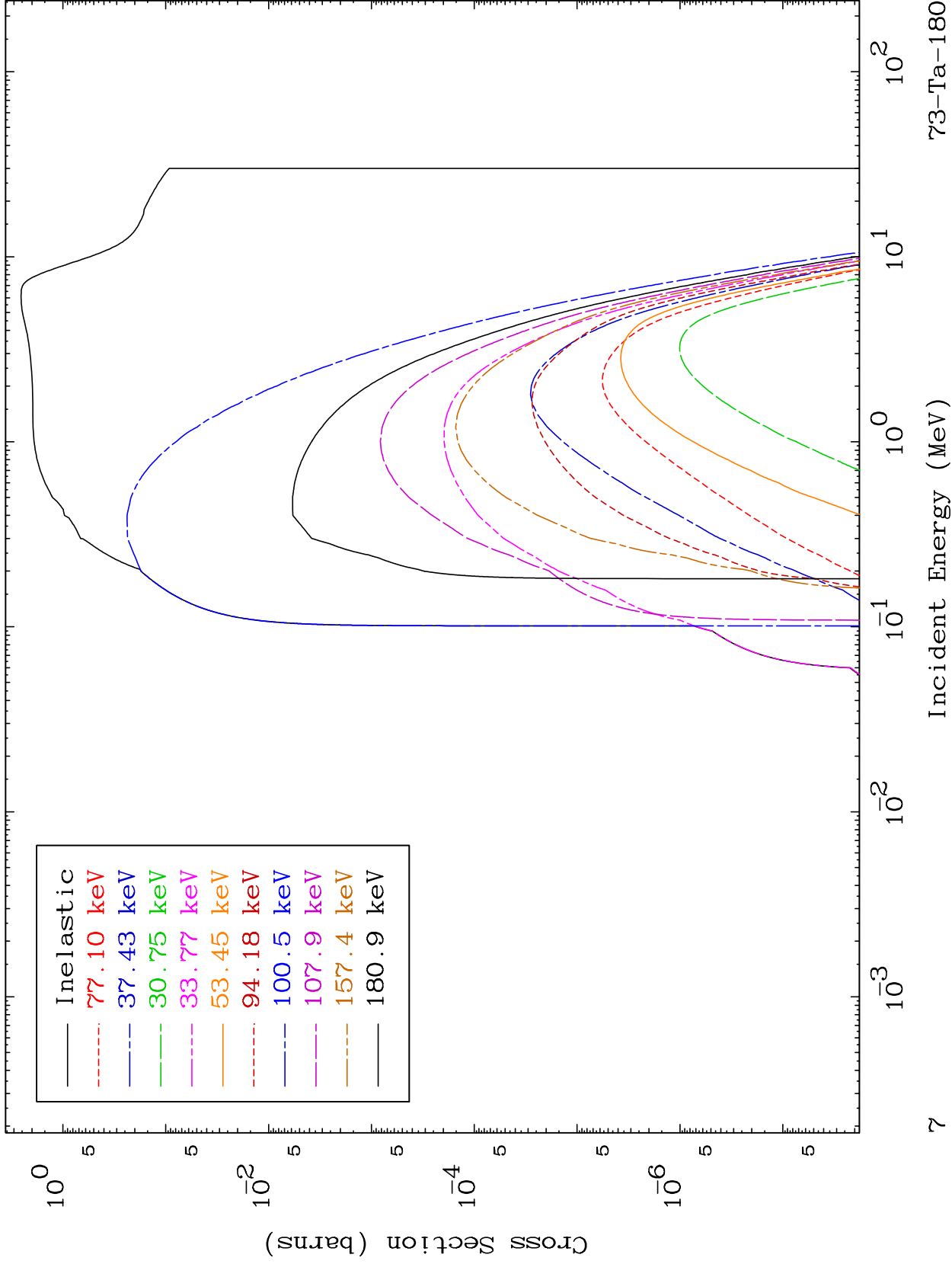
73-Ta-180



MAT 7326

(n,n') Level
293 Kelvin Cross Sections

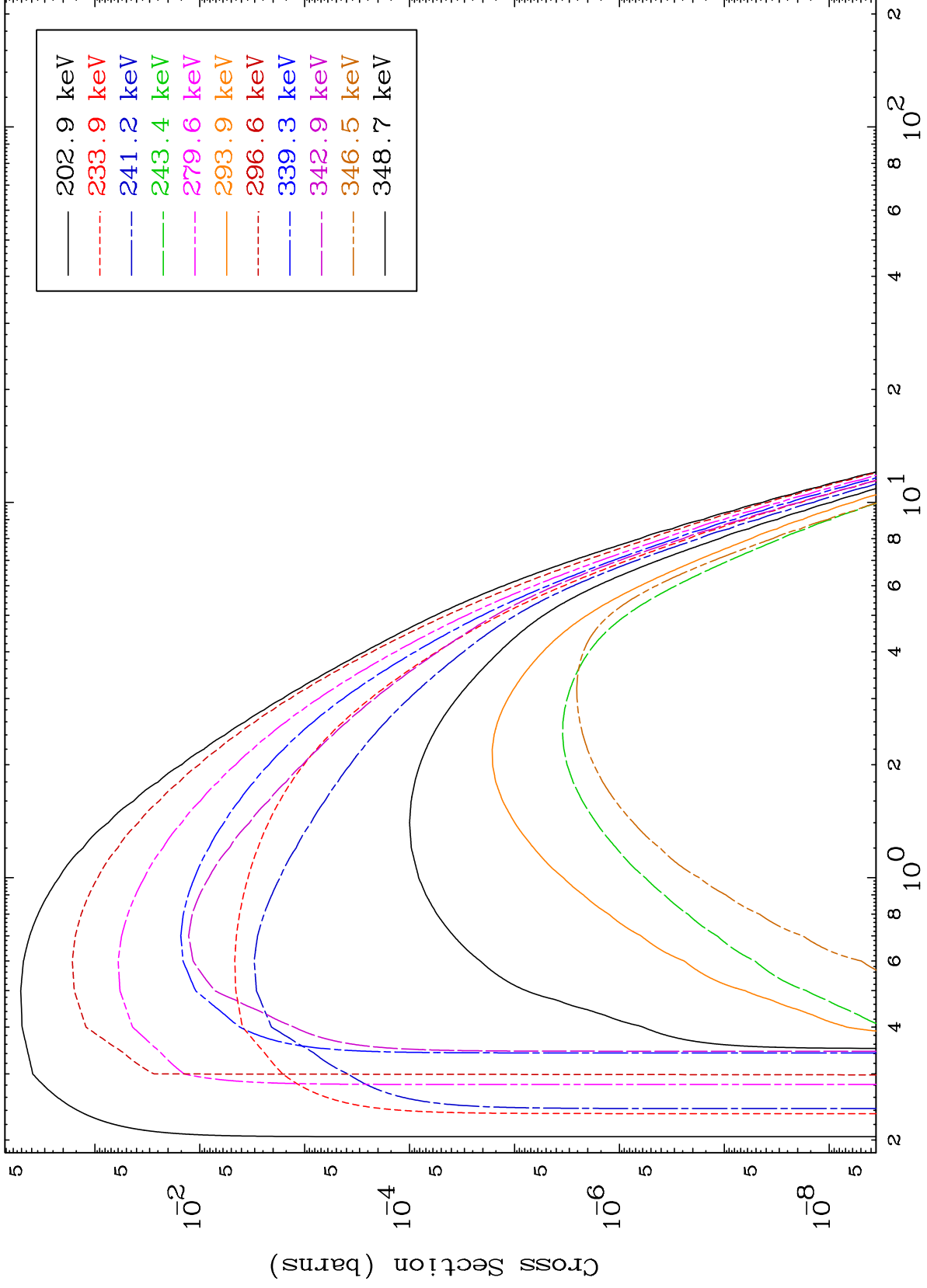
73-Ta-180



MAT 7326

(n,n') Level
293 Kelvin Cross Sections

73-Ta-180



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Incident Energy (MeV)

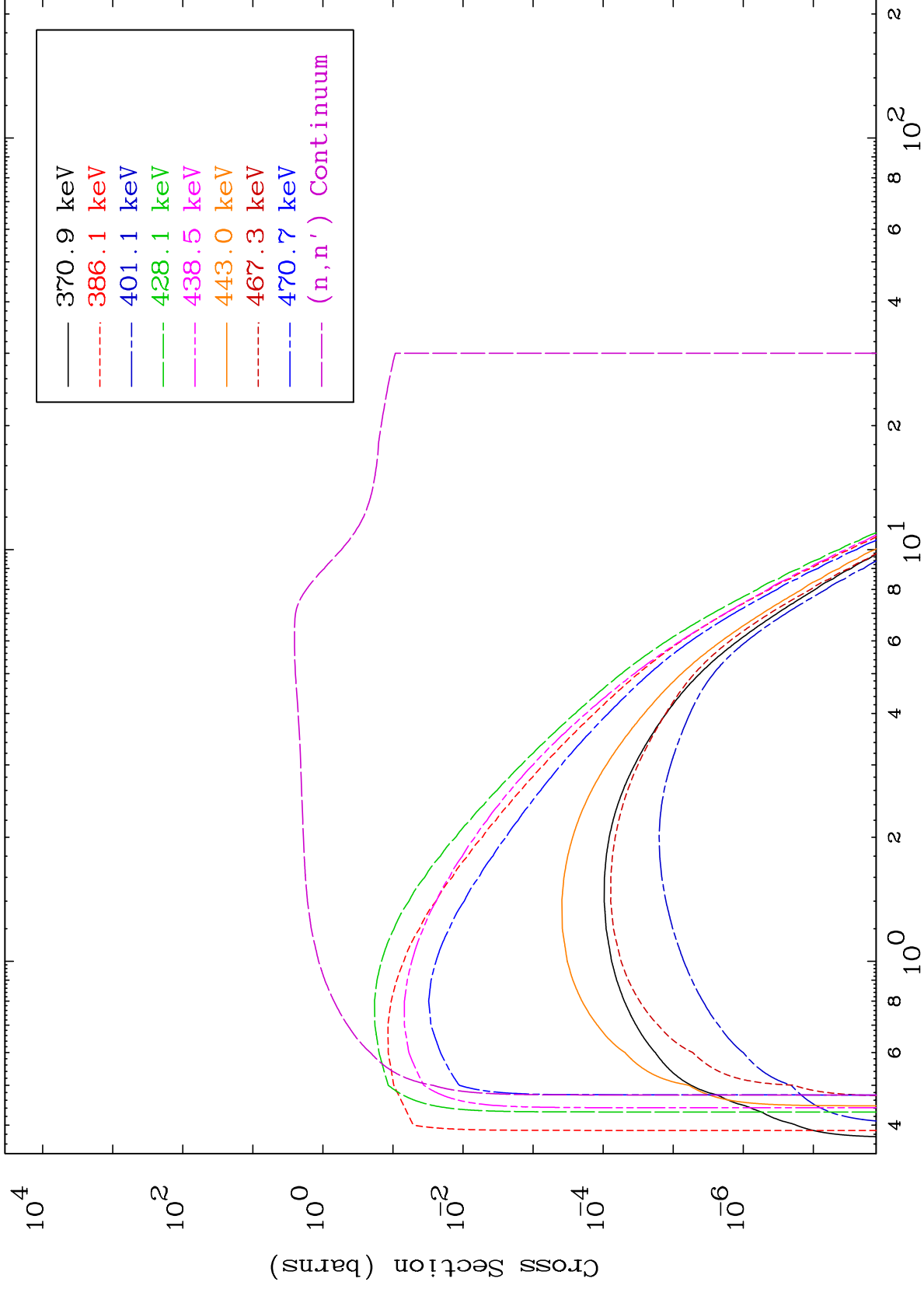
73-Ta-180

MAT 7326

(n,n') Level

73-Ta-180

293 Kelvin Cross Sections



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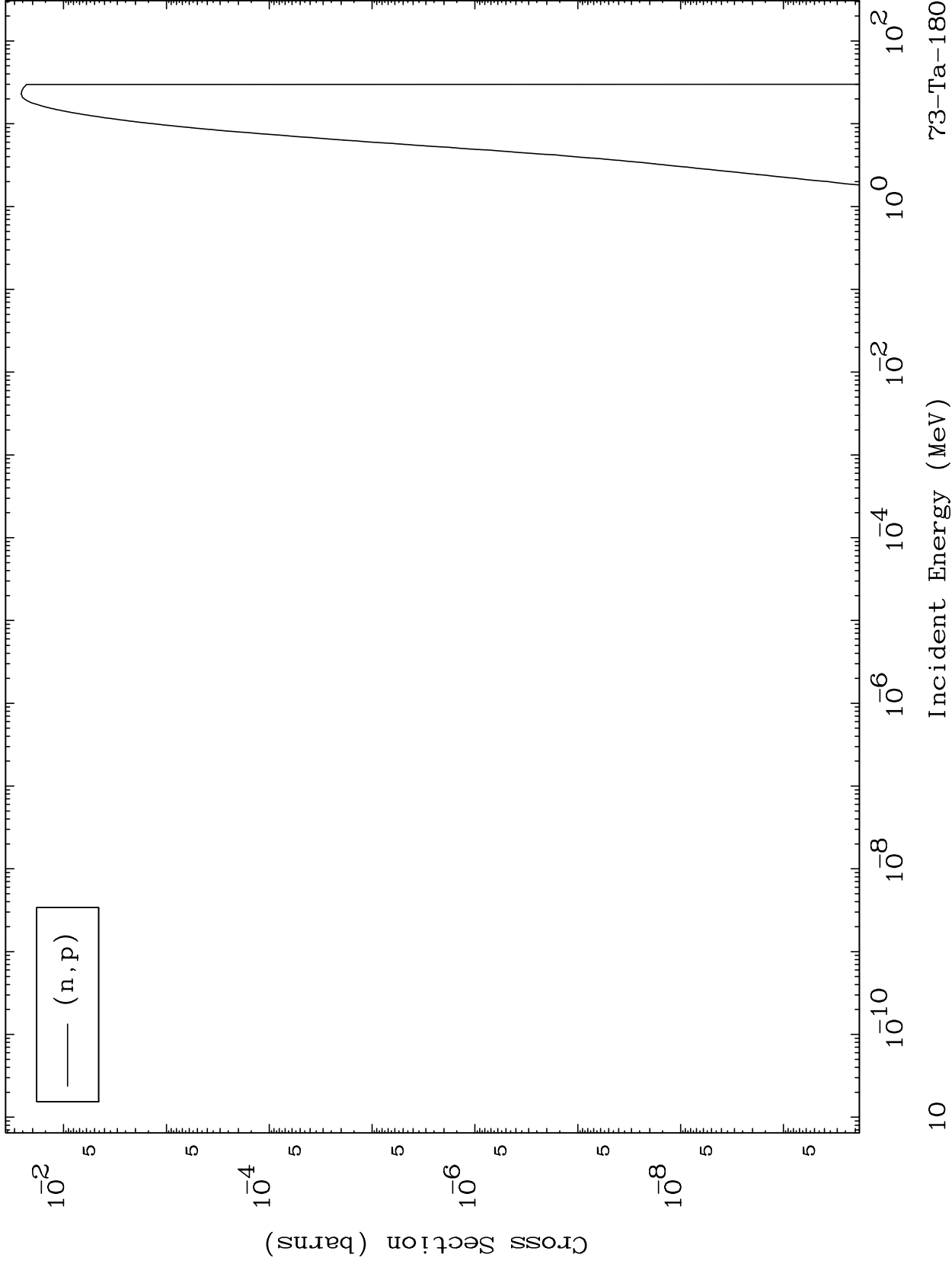
Incident Energy (MeV)

73-Ta-180

MAT 7326

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-180



10

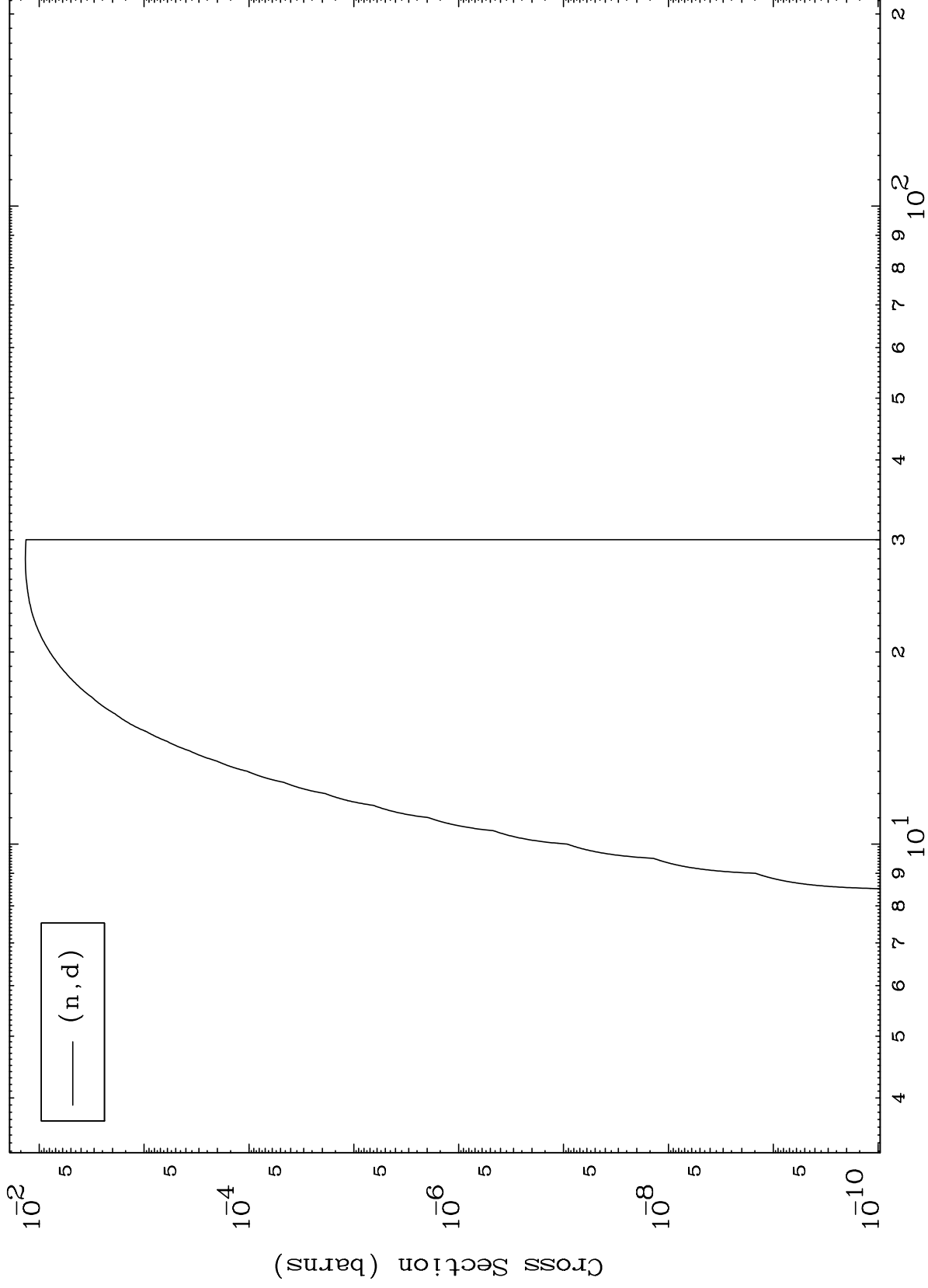
Incident Energy (MeV)

73-Ta-180

MAT 7326

(n,d) Levels
293 Kelvin Cross Sections

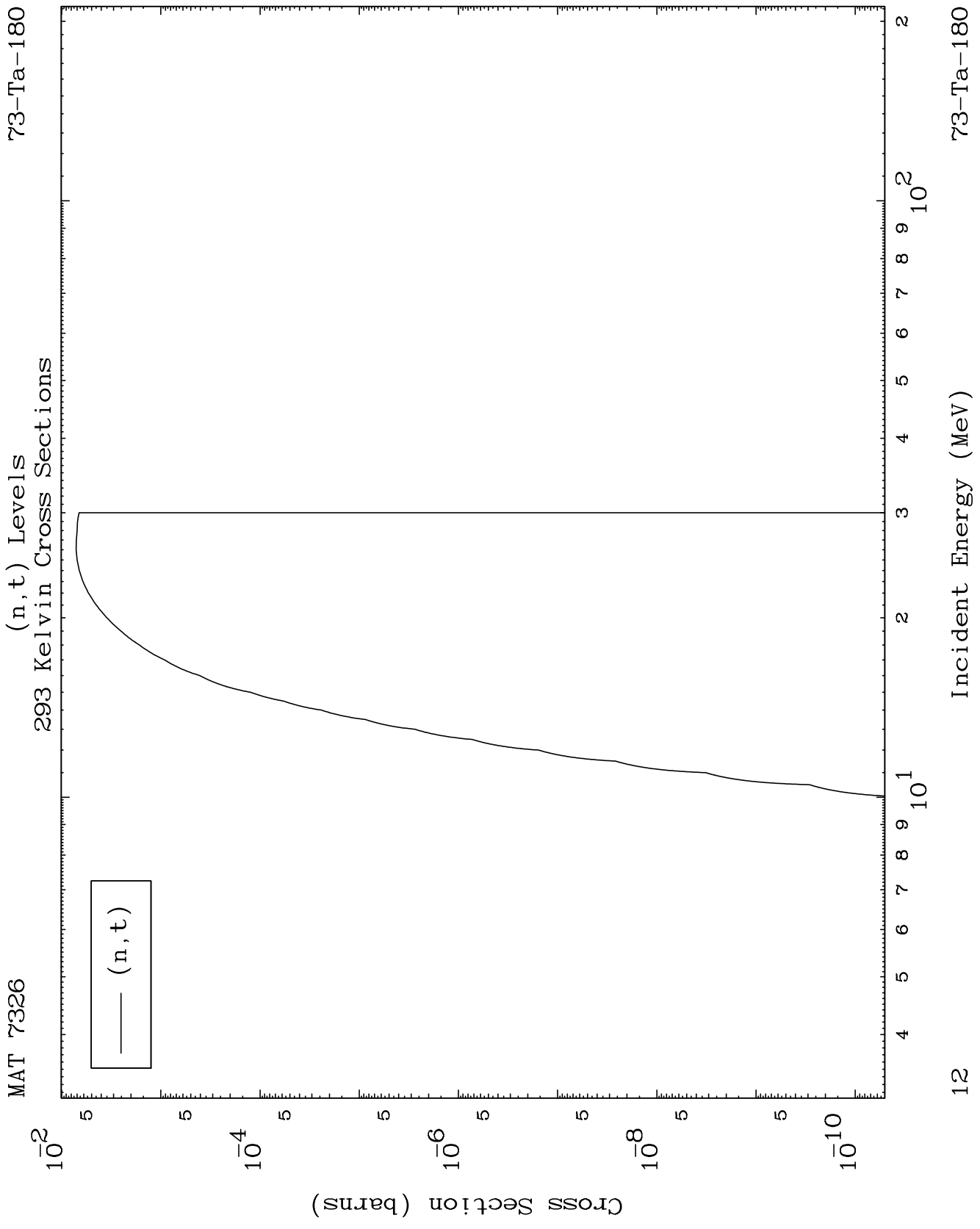
73-Ta-180



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Incident Energy (MeV)

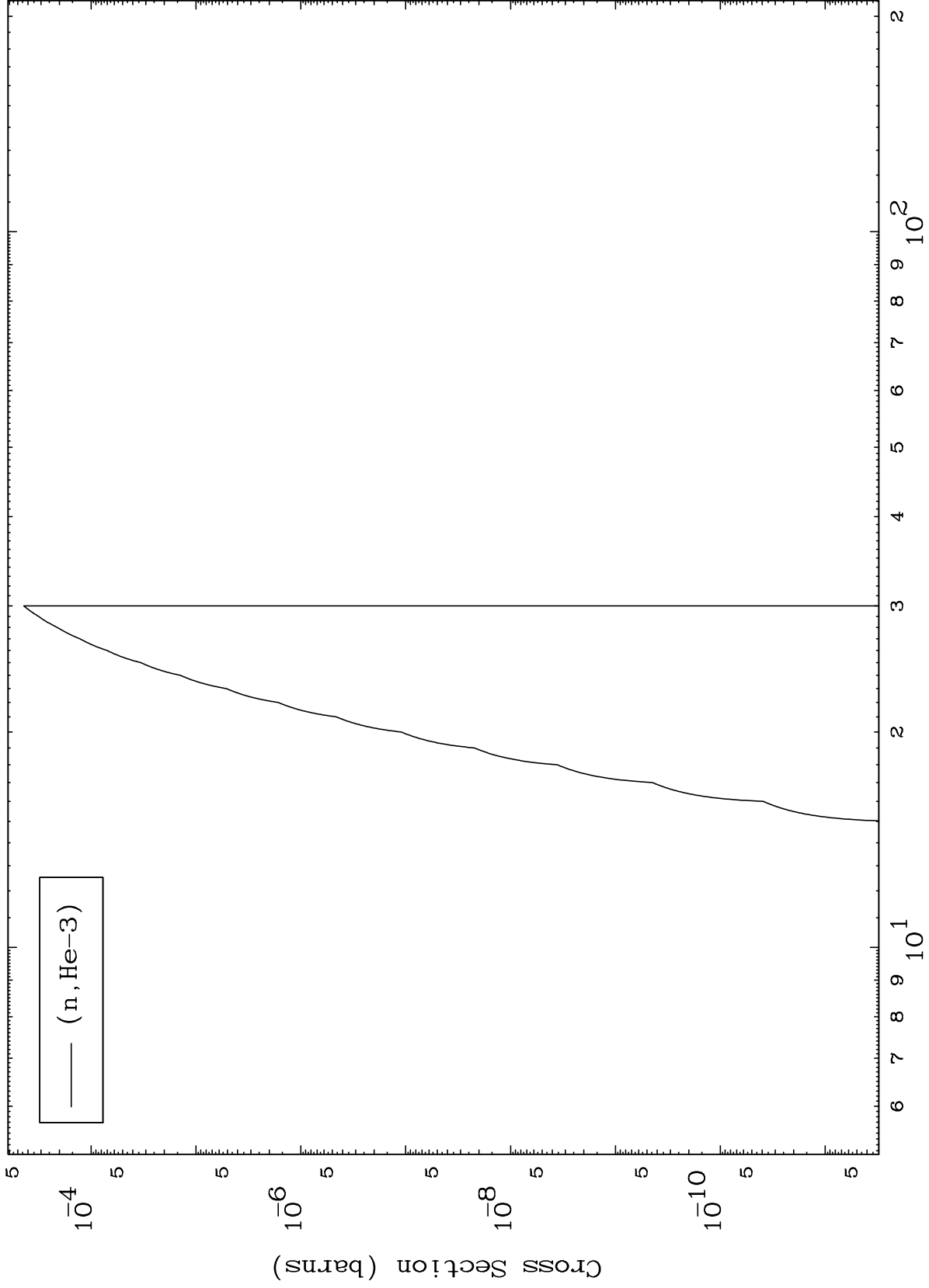
73-Ta-180



MAT 7326

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-180



13

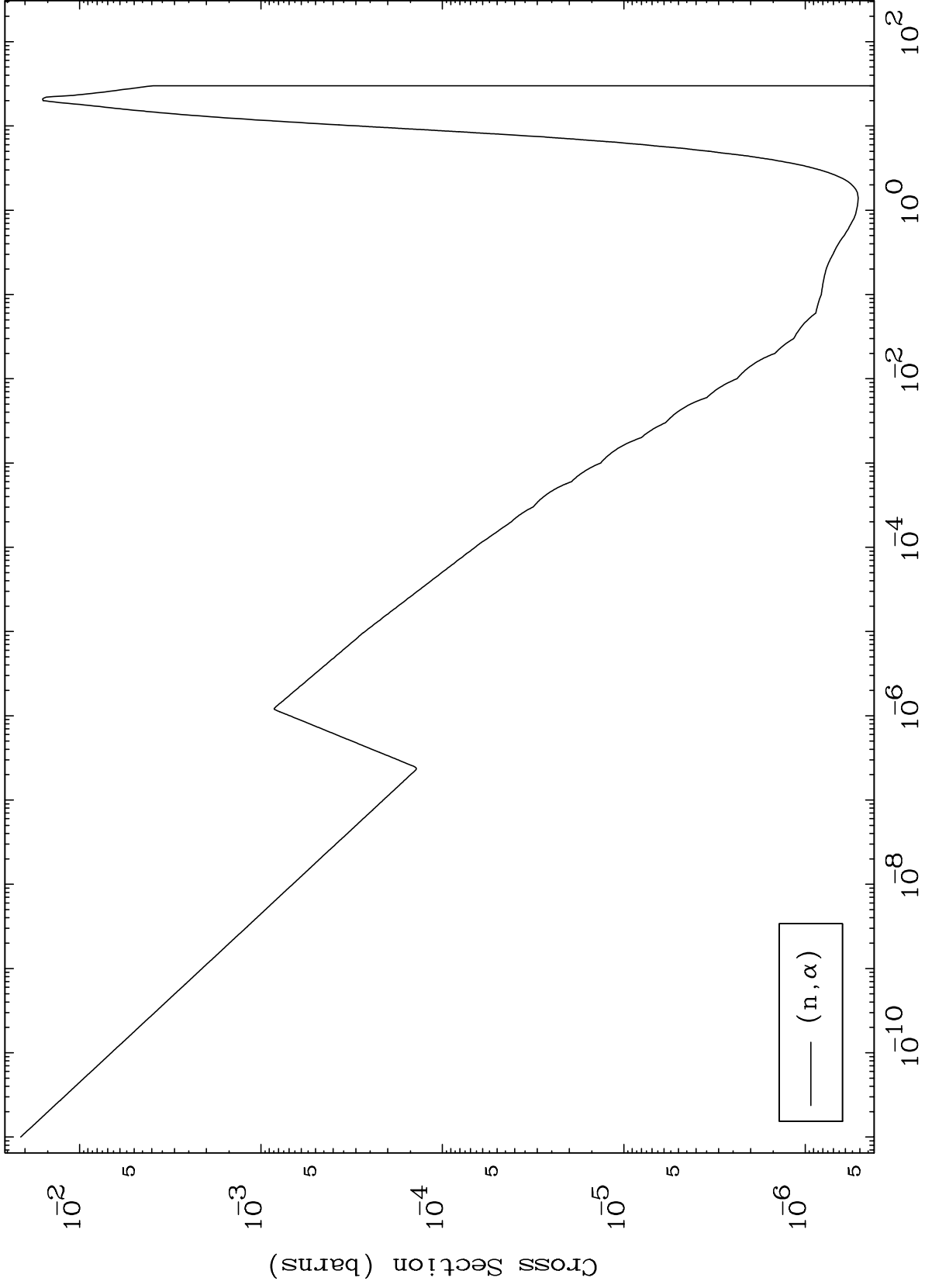
Incident Energy (MeV)

73-Ta-180

MAT 7326

(n,α) Levels
293 Kelvin Cross Sections

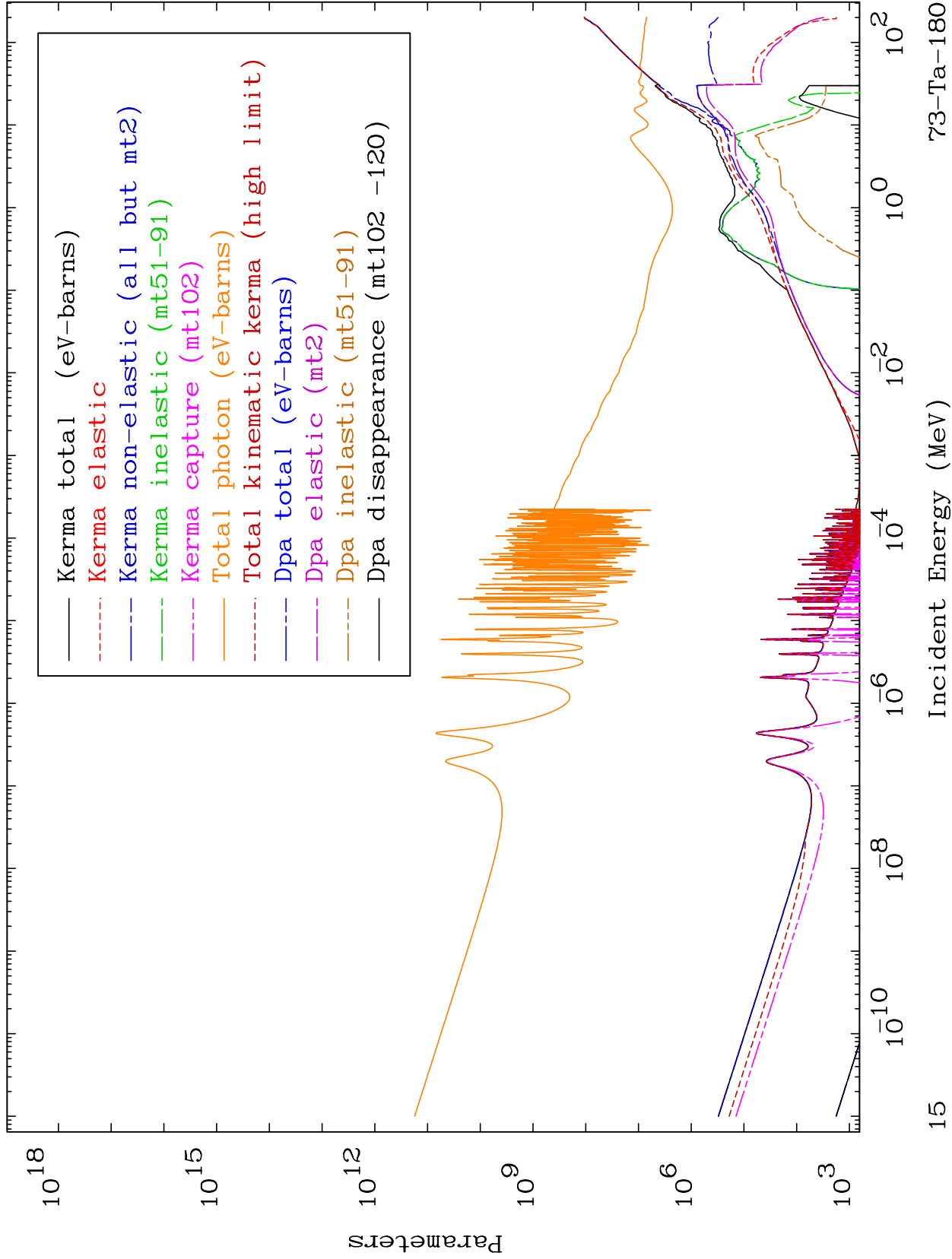
73-Ta-180

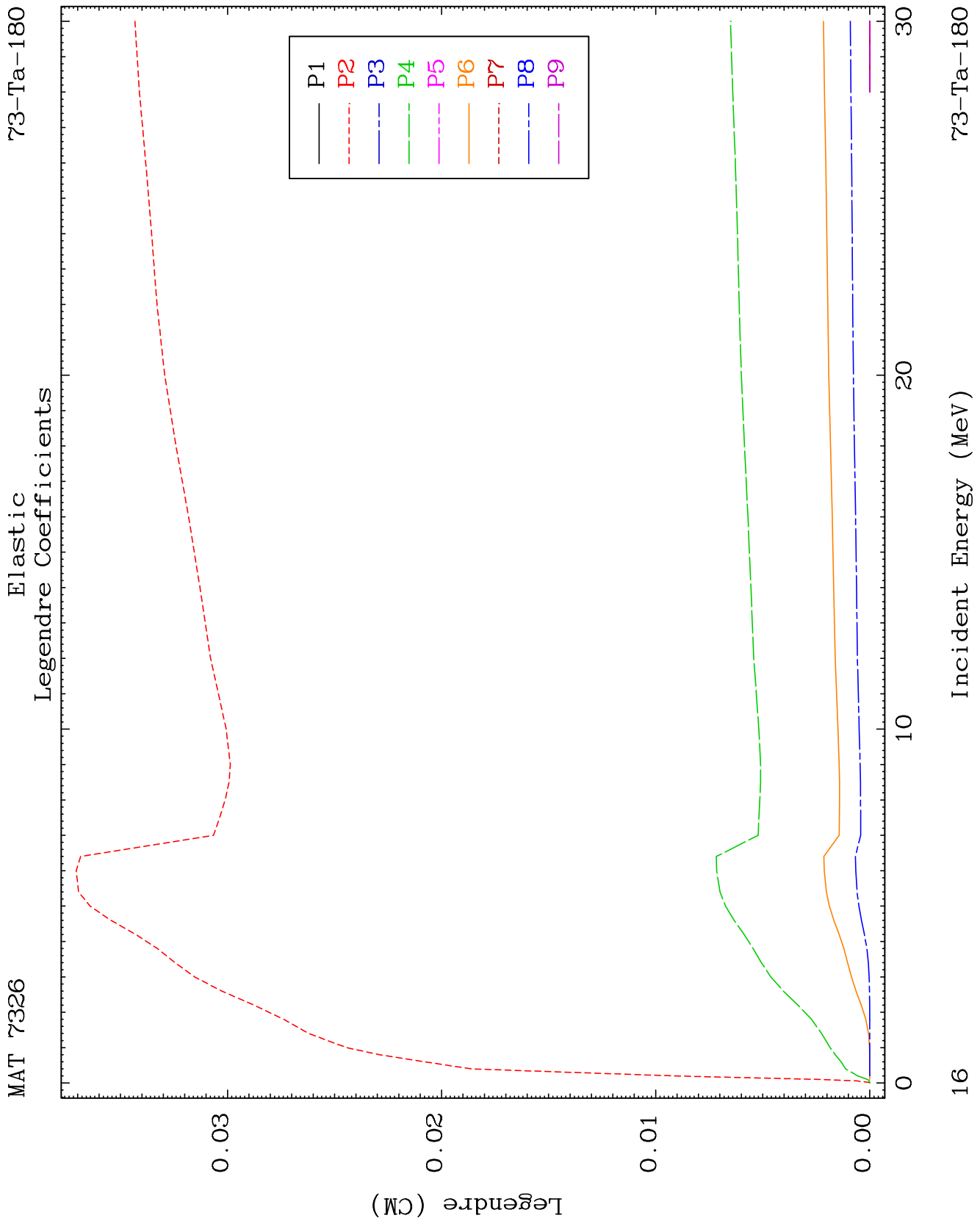


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Incident Energy (MeV)

73-Ta-180

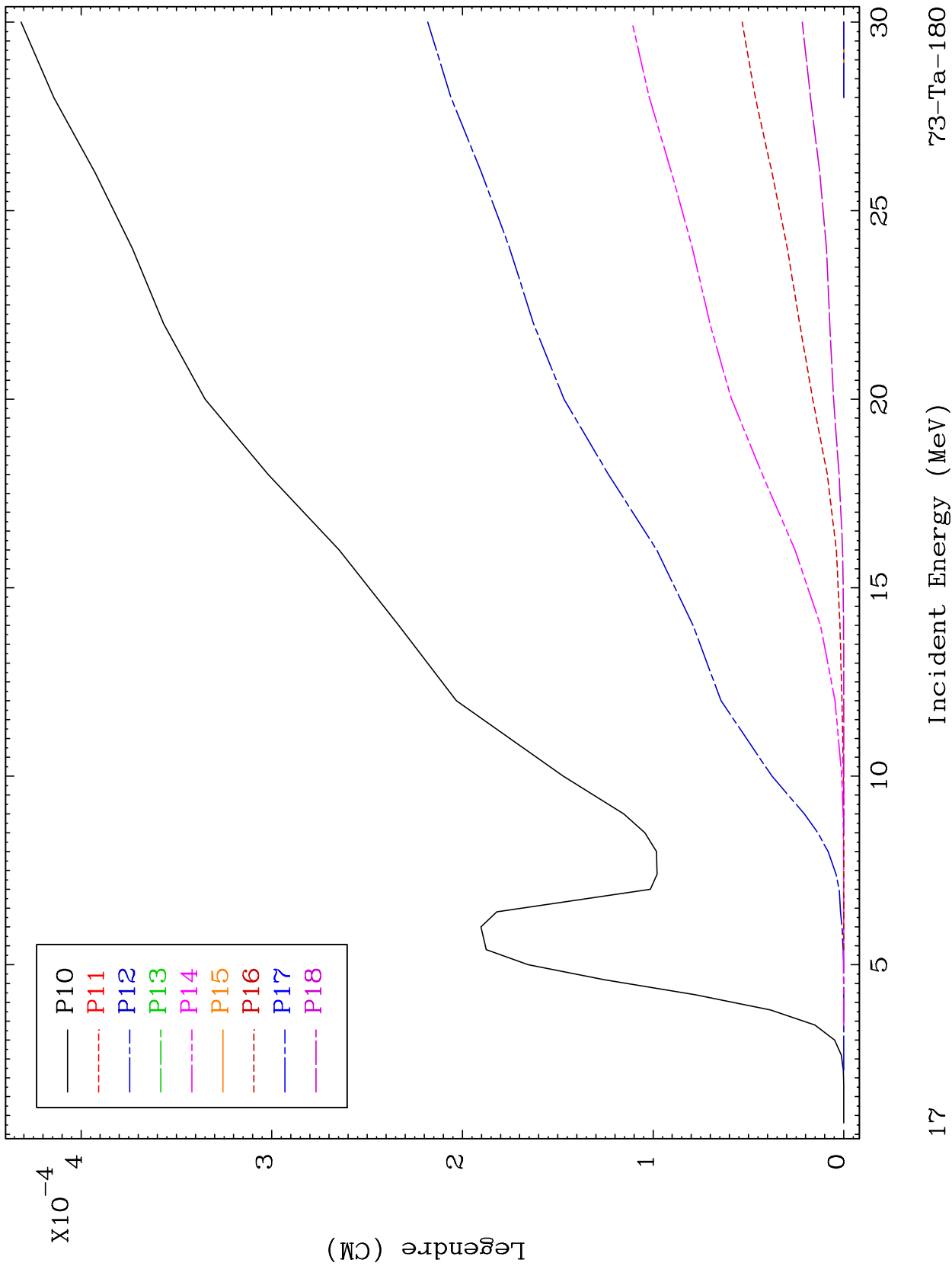




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Elastic Legendre Coefficients

⁷³Ta-180

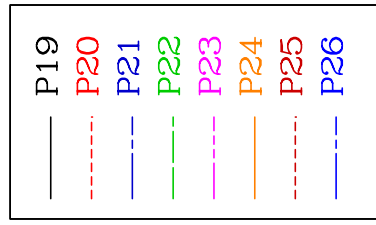


- P10
- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18

MAT 7326

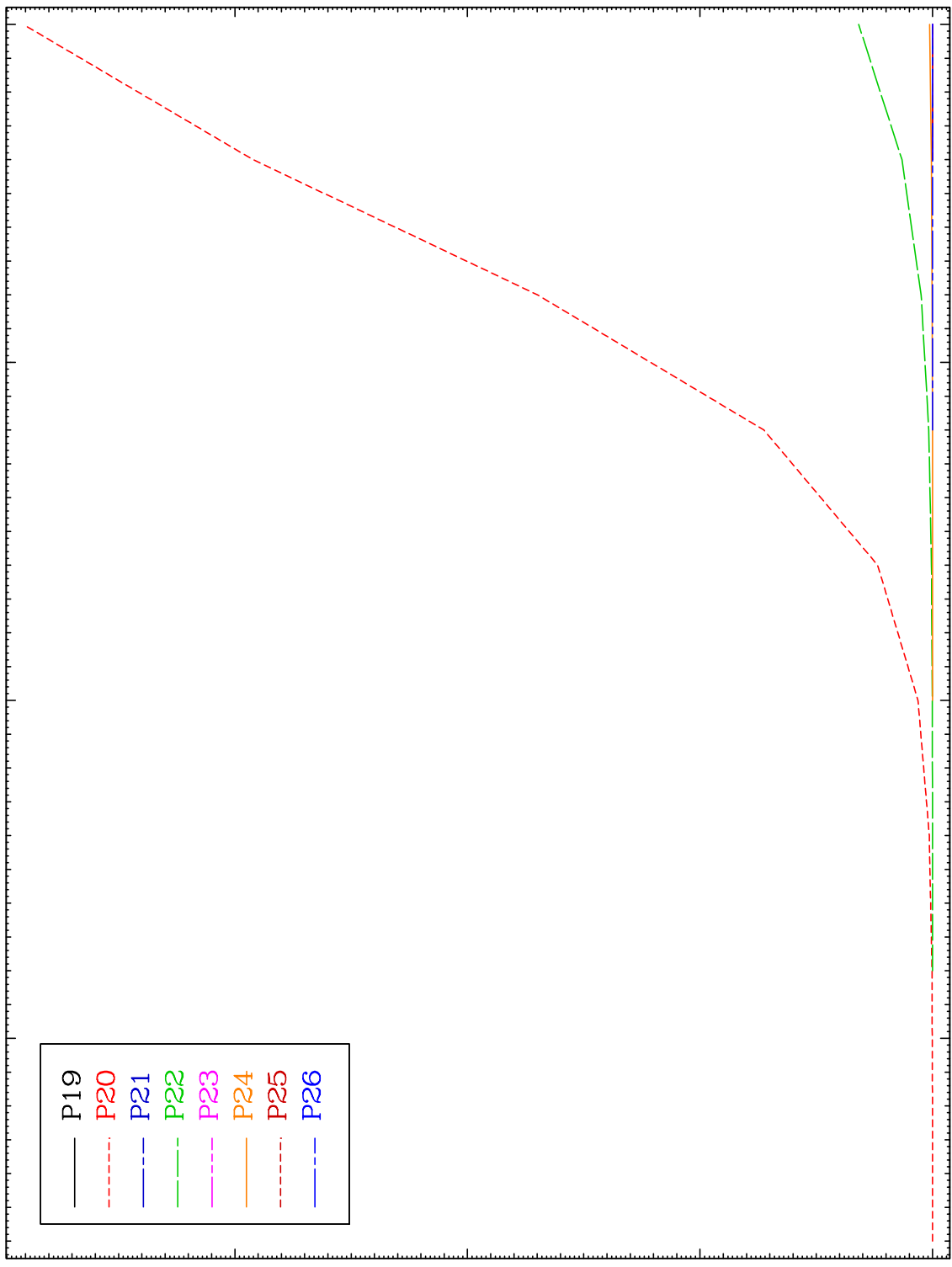
Elastic
Legendre Coefficients

73-Ta-180



$\times 10^{-6}$

Legendre (CM)



18

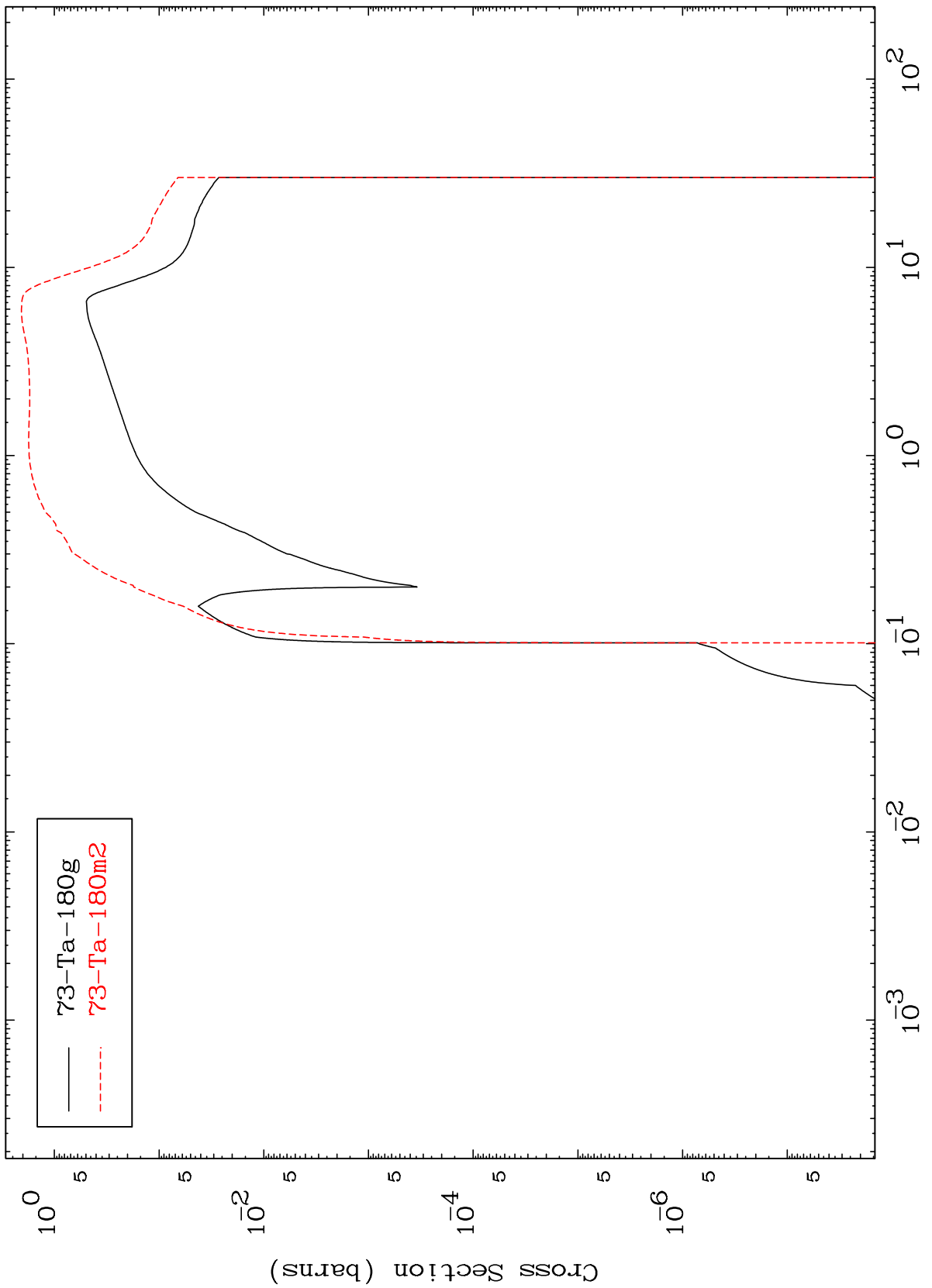
Incident Energy (MeV)

73-Ta-180

MAT 7326

73-Ta-180

Inelastic
Radionuclide Production Cross Section



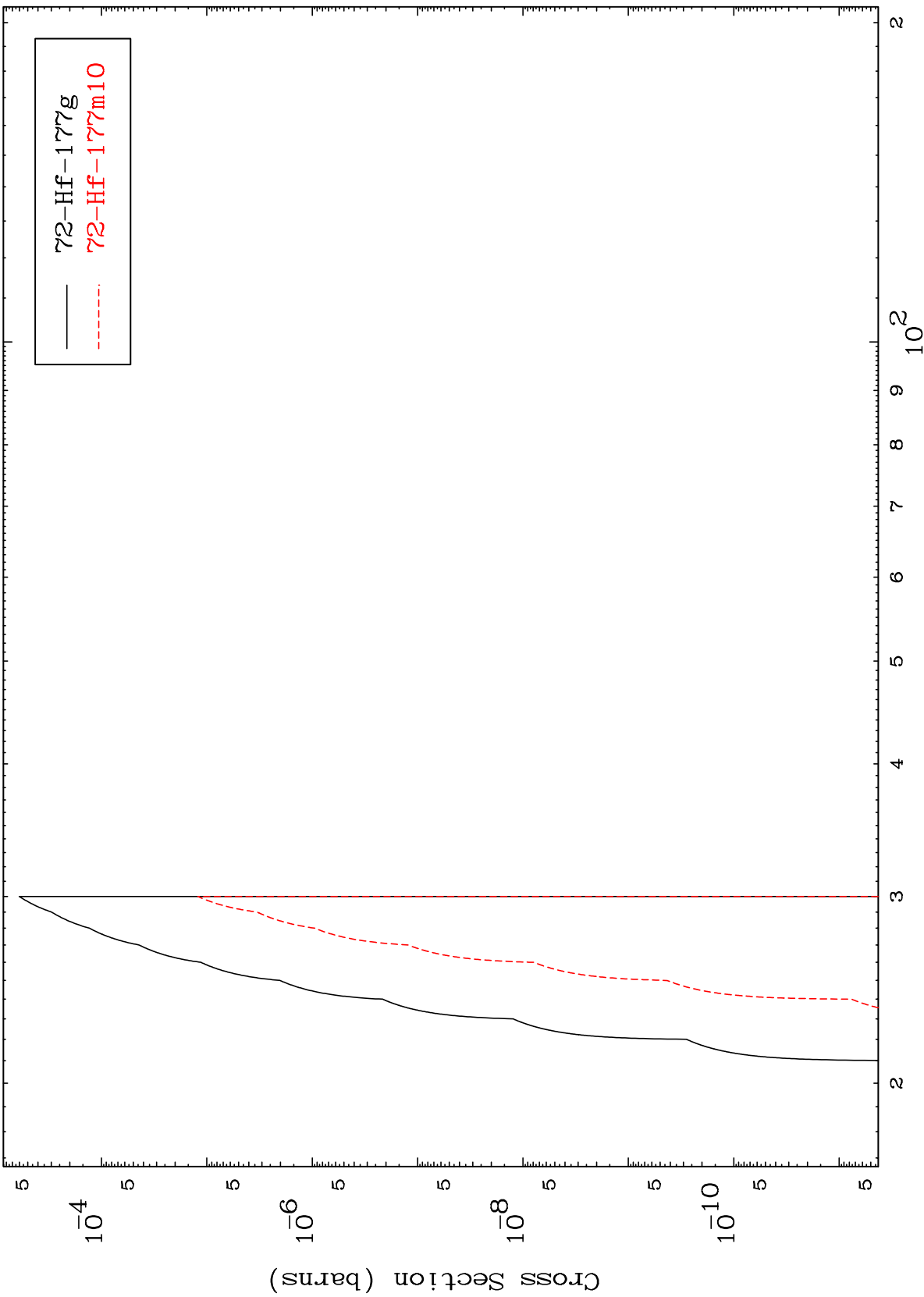
73-Ta-180g
73-Ta-180m2

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(n,2n) d

73-Ta-180

Radionuclide Production Cross Section



72-Hf-177g
72-Hf-177m10

20

Incident Energy (MeV)

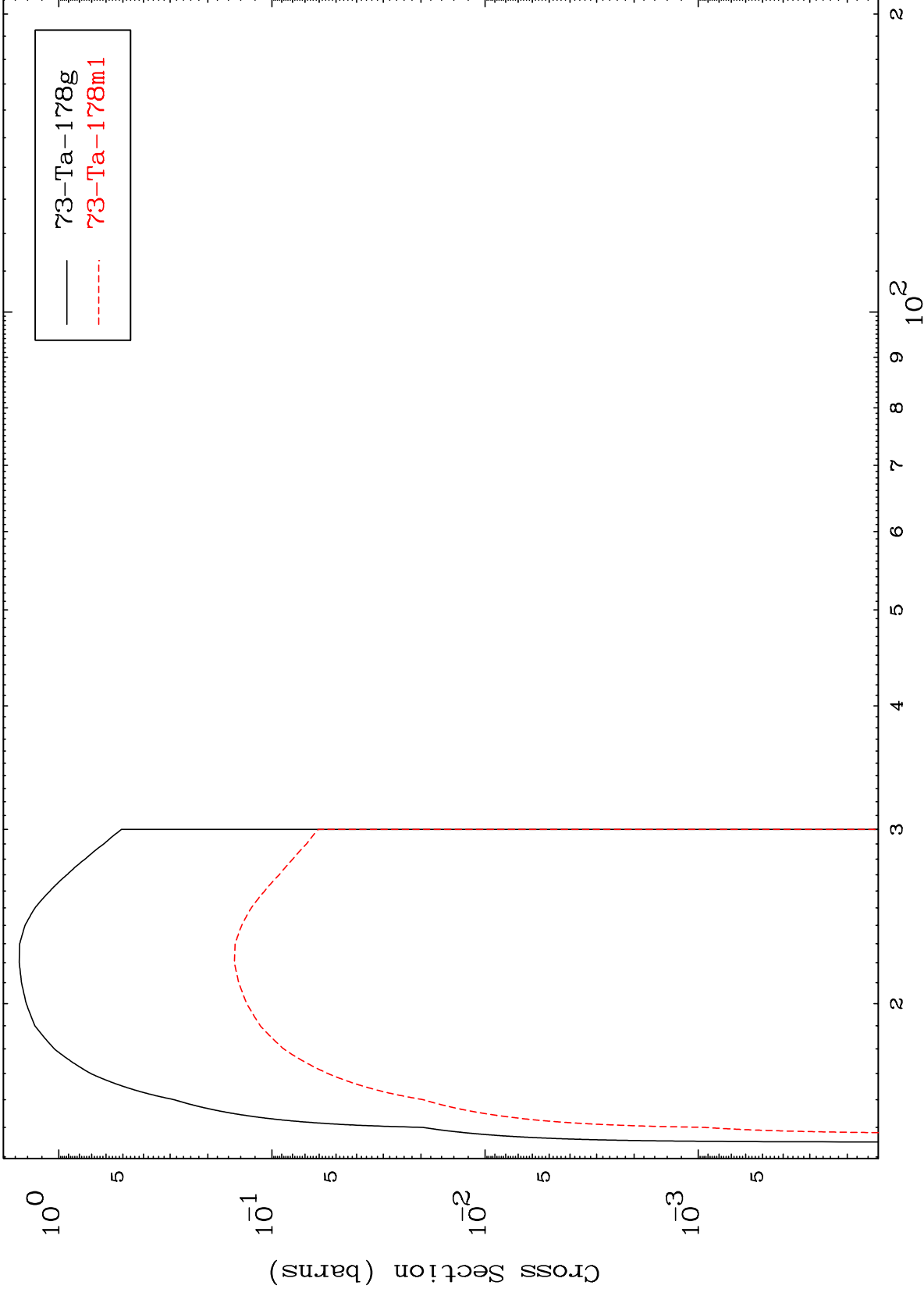
73-Ta-180

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(n,3n)

⁷³Ta-180

Radionuclide Production Cross Section



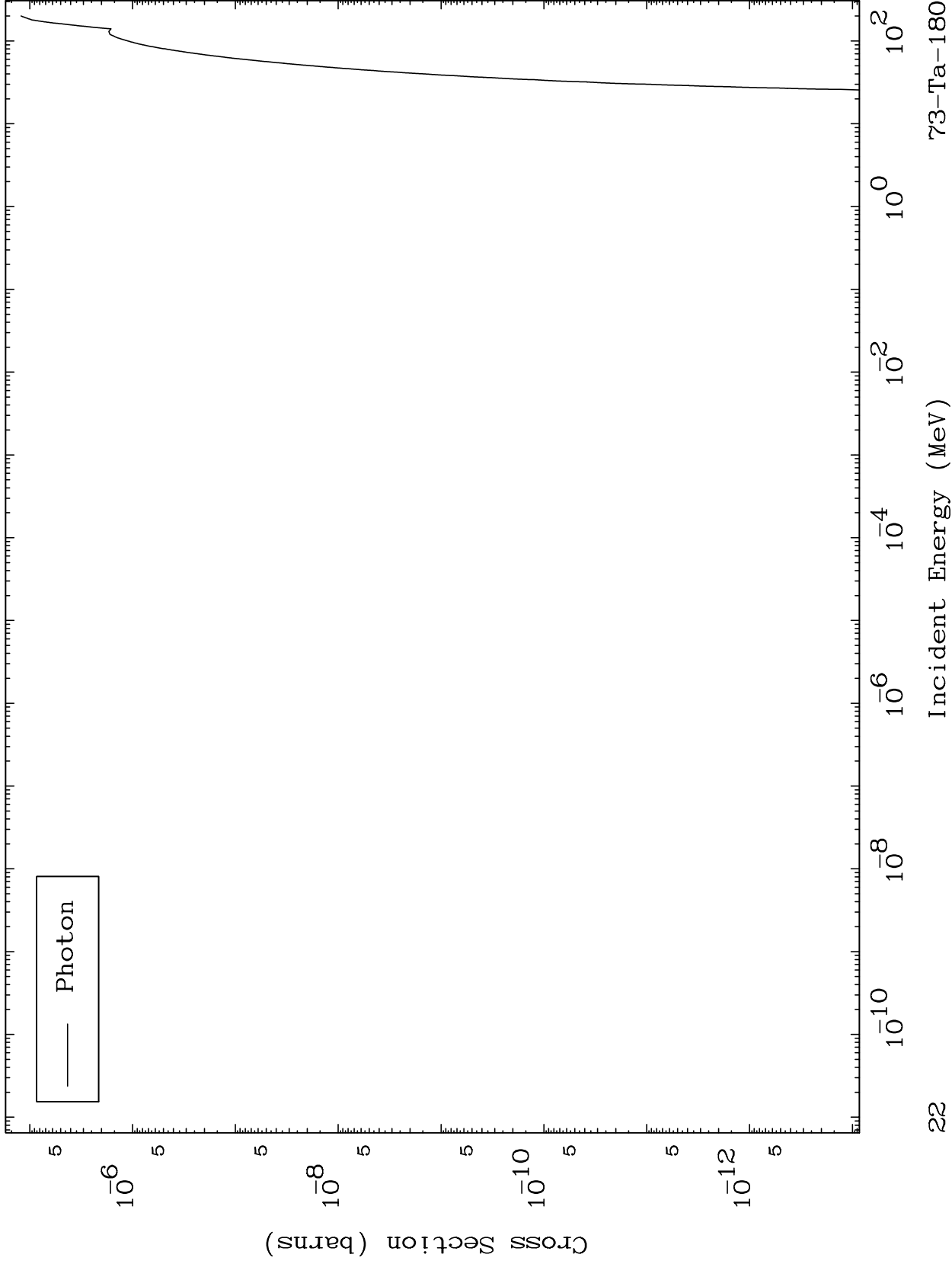
⁷³Ta-178g
⁷³Ta-178m1

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Fission

⁷³Ta-180

Radionuclide Production Cross Section

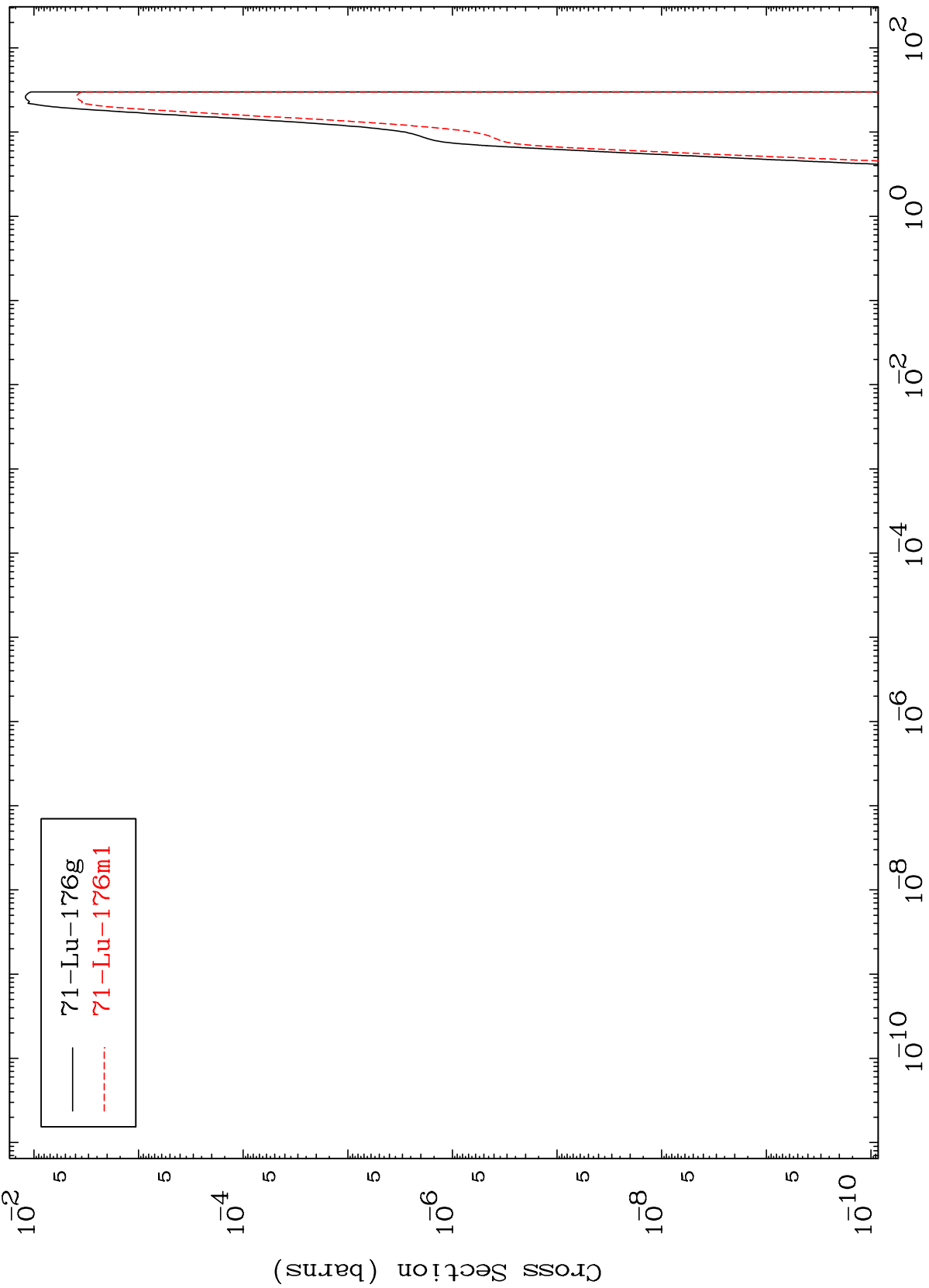


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$(n, n') \alpha$

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section

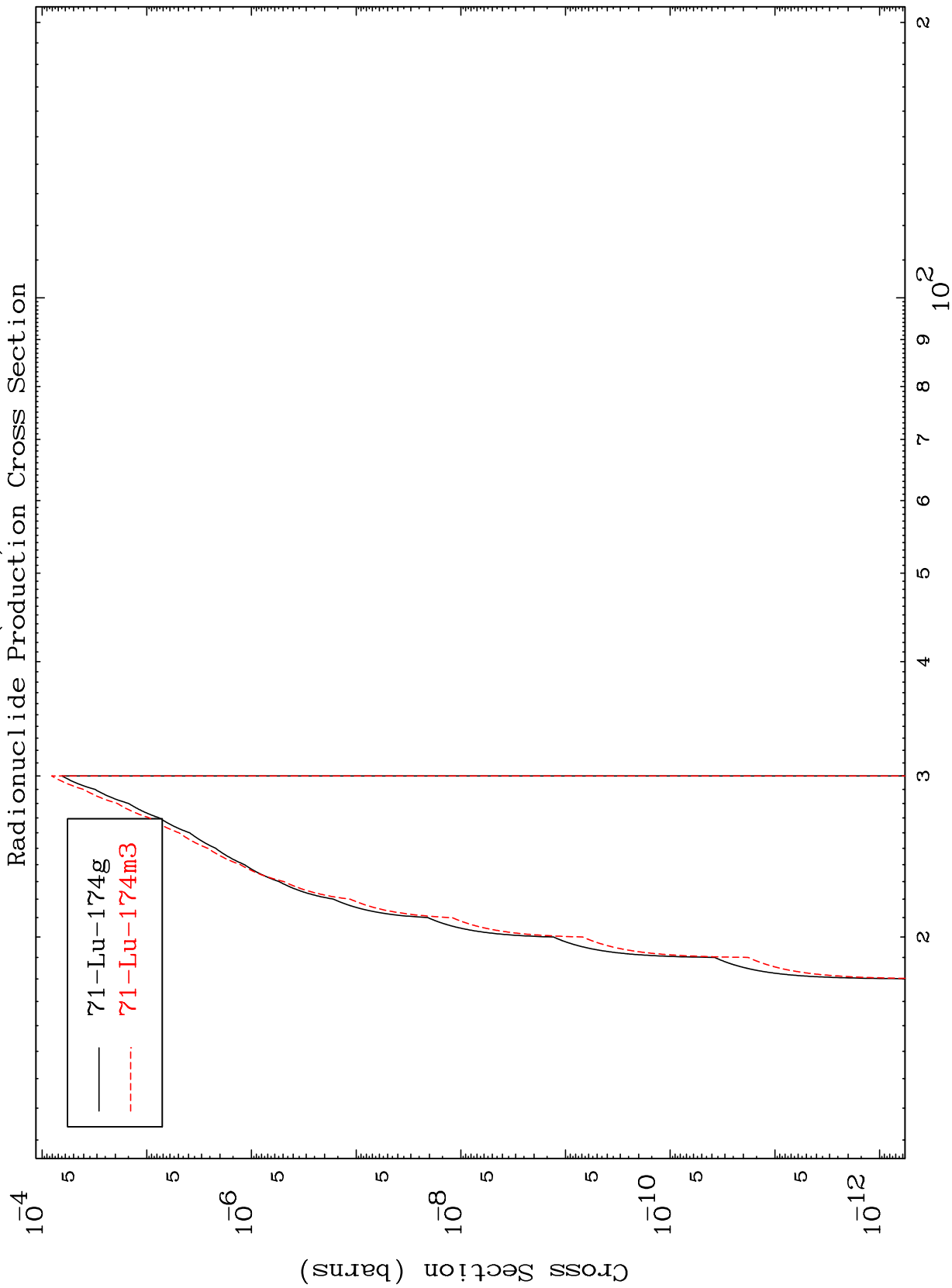


MAT 7326

73-Ta-180

(n,3n) α

Radionuclide Production Cross Section



Incident Energy (MeV)

73-Ta-180

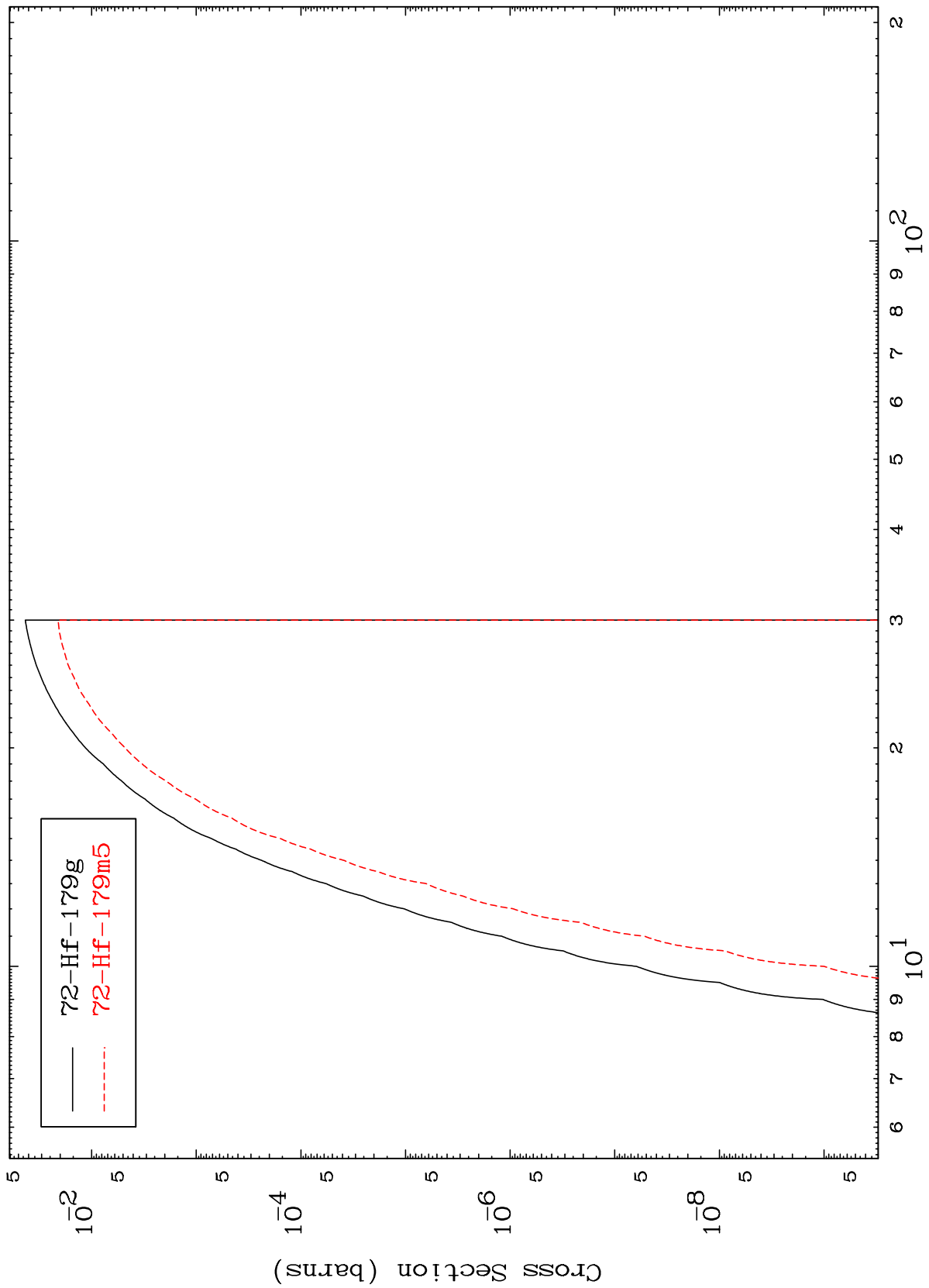
24

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(n,n') p

73-Ta-180

Radionuclide Production Cross Section



25

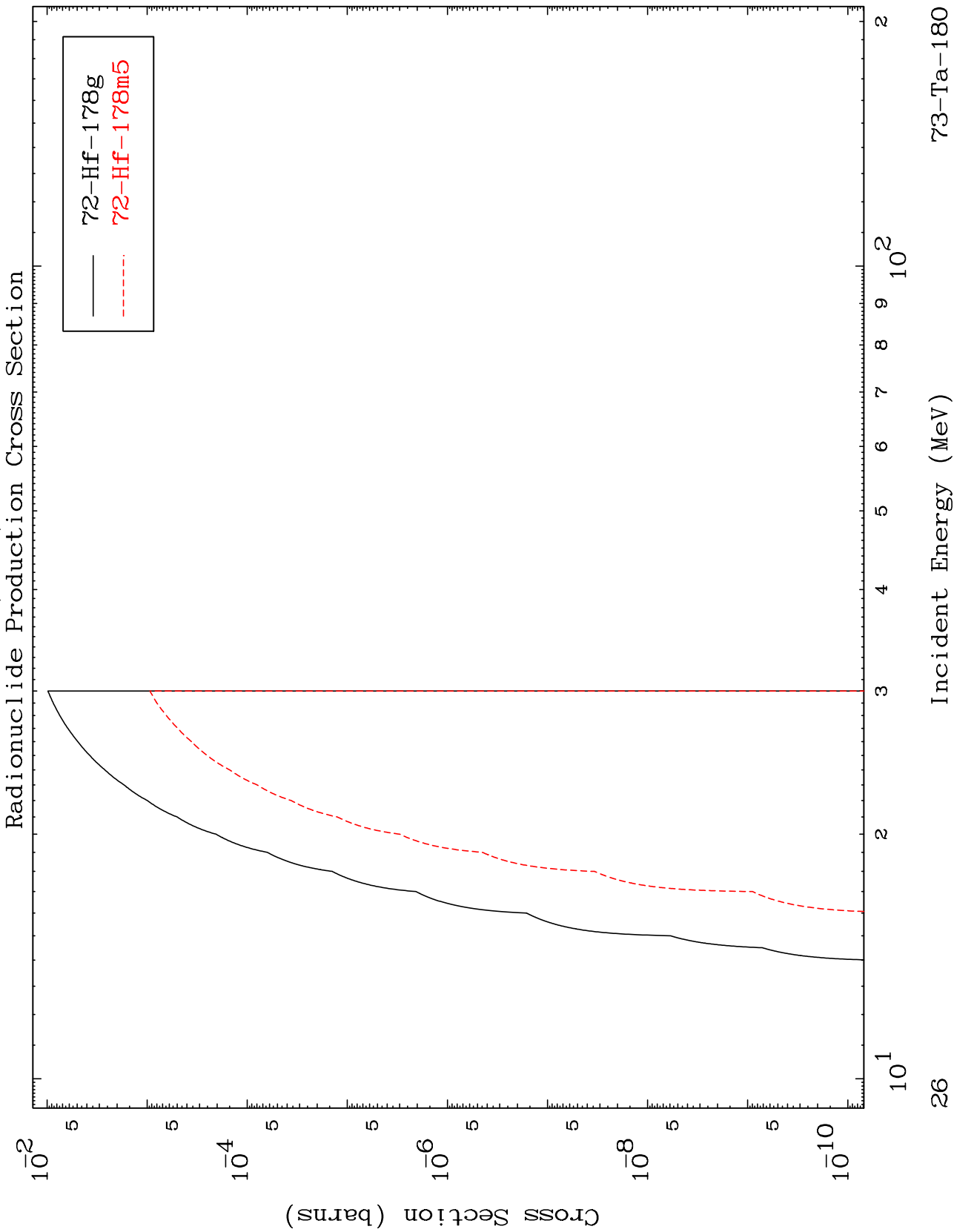
Incident Energy (MeV)

73-Ta-180

MAT 7326

(n,n') d

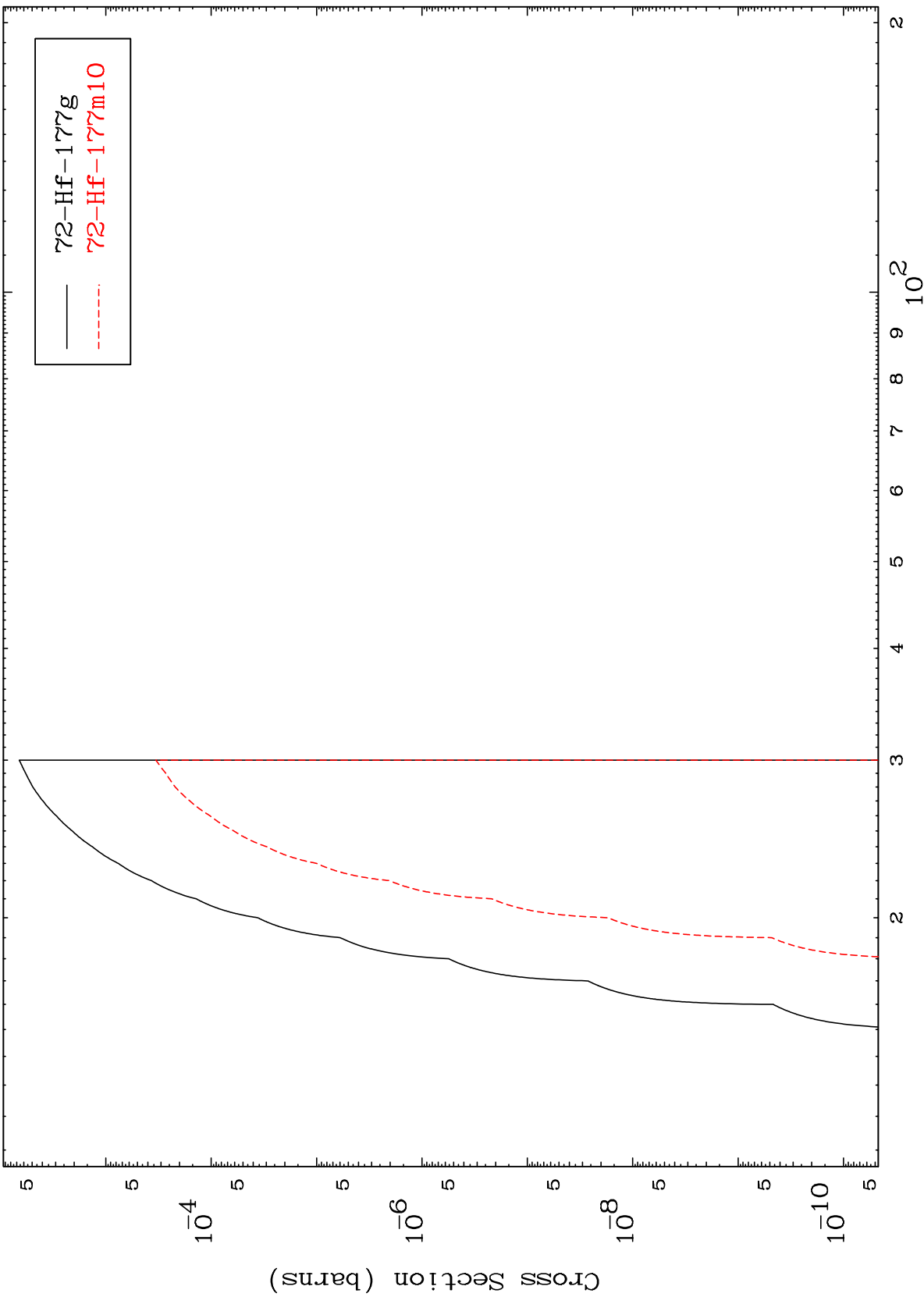
73-Ta-180



26

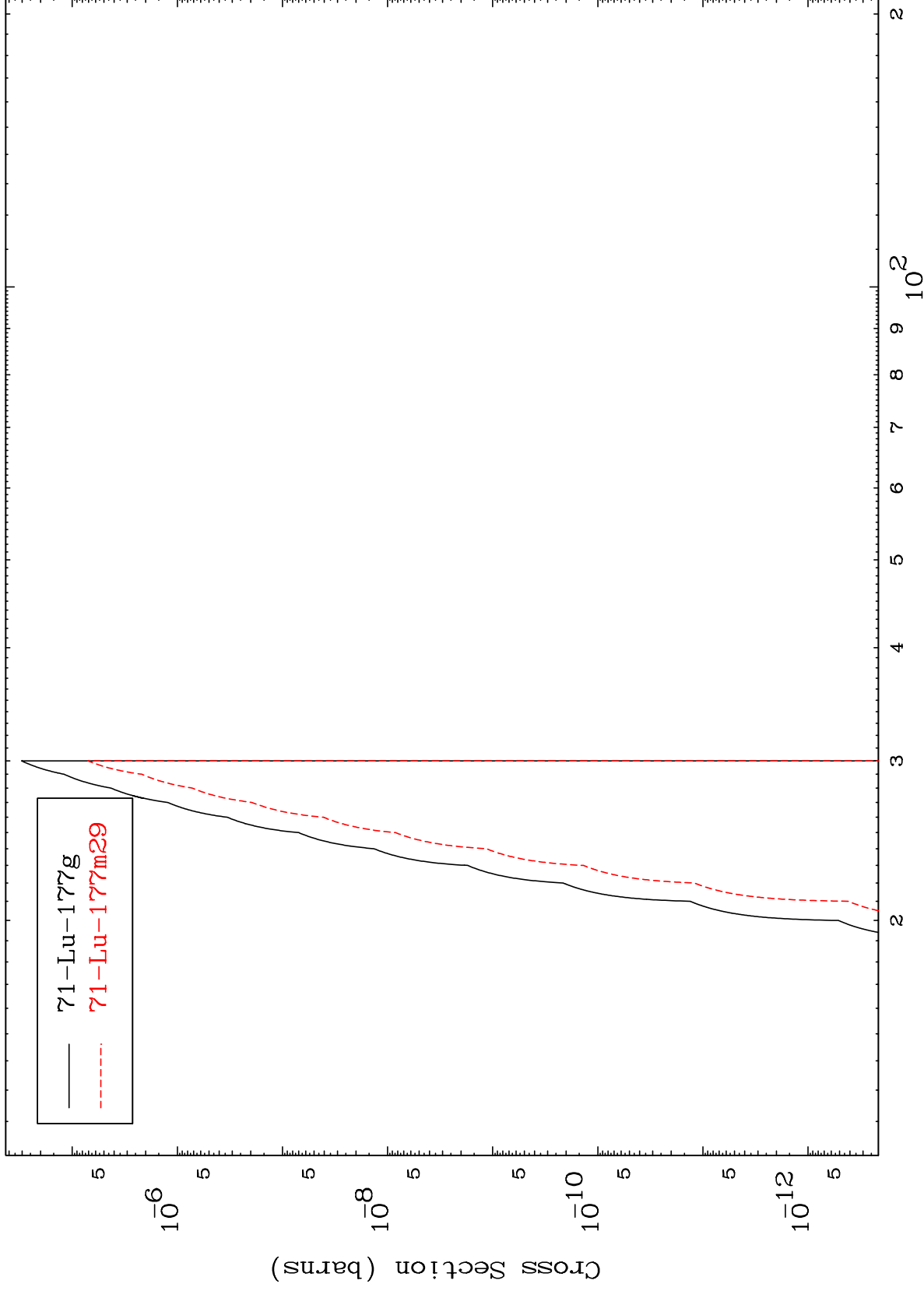
73-Ta-180

Radionuclide Production Cross Section

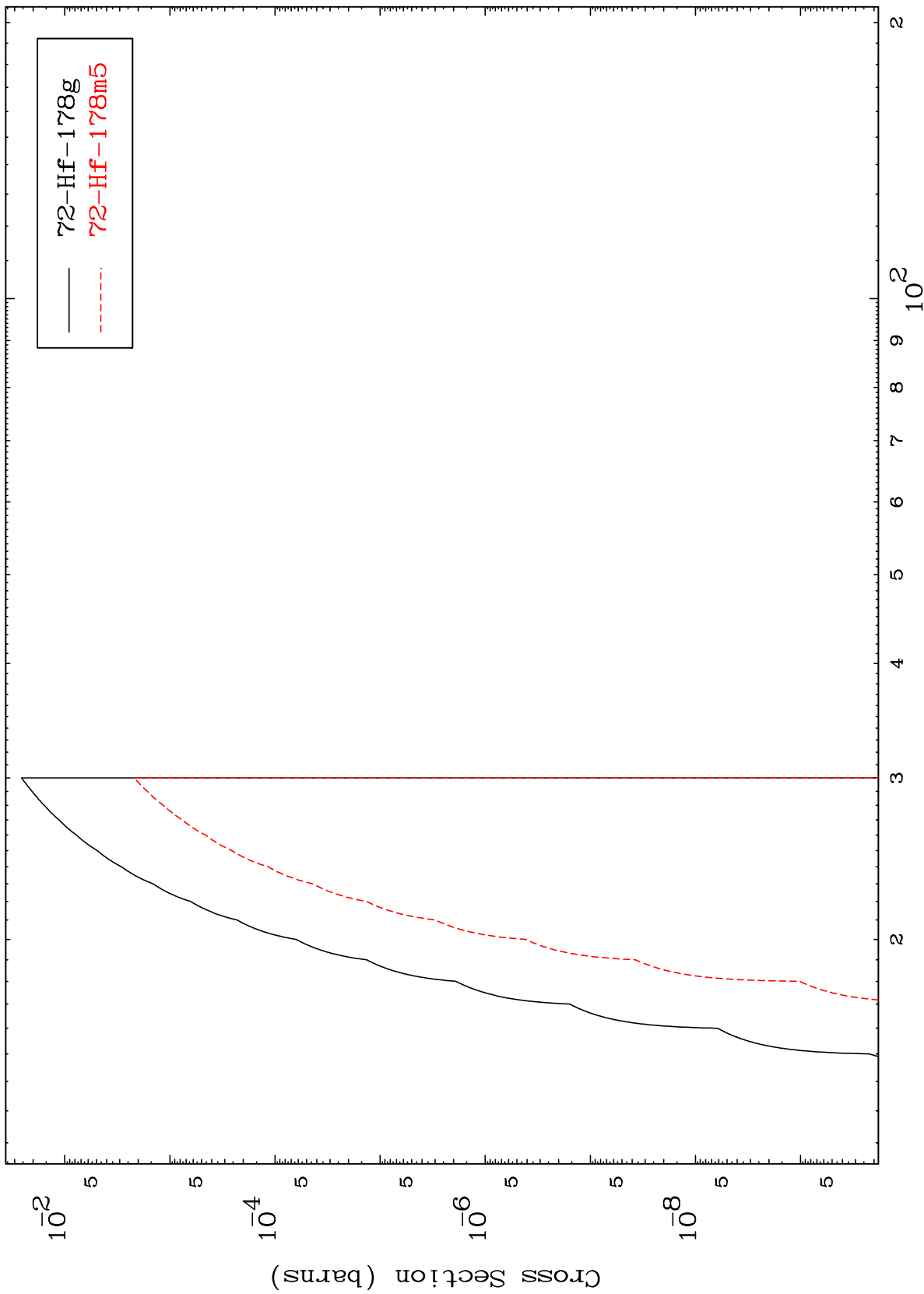


72-Hf-177g
72-Hf-177m10

Radionuclide Production Cross Section



Radionuclide Production Cross Section



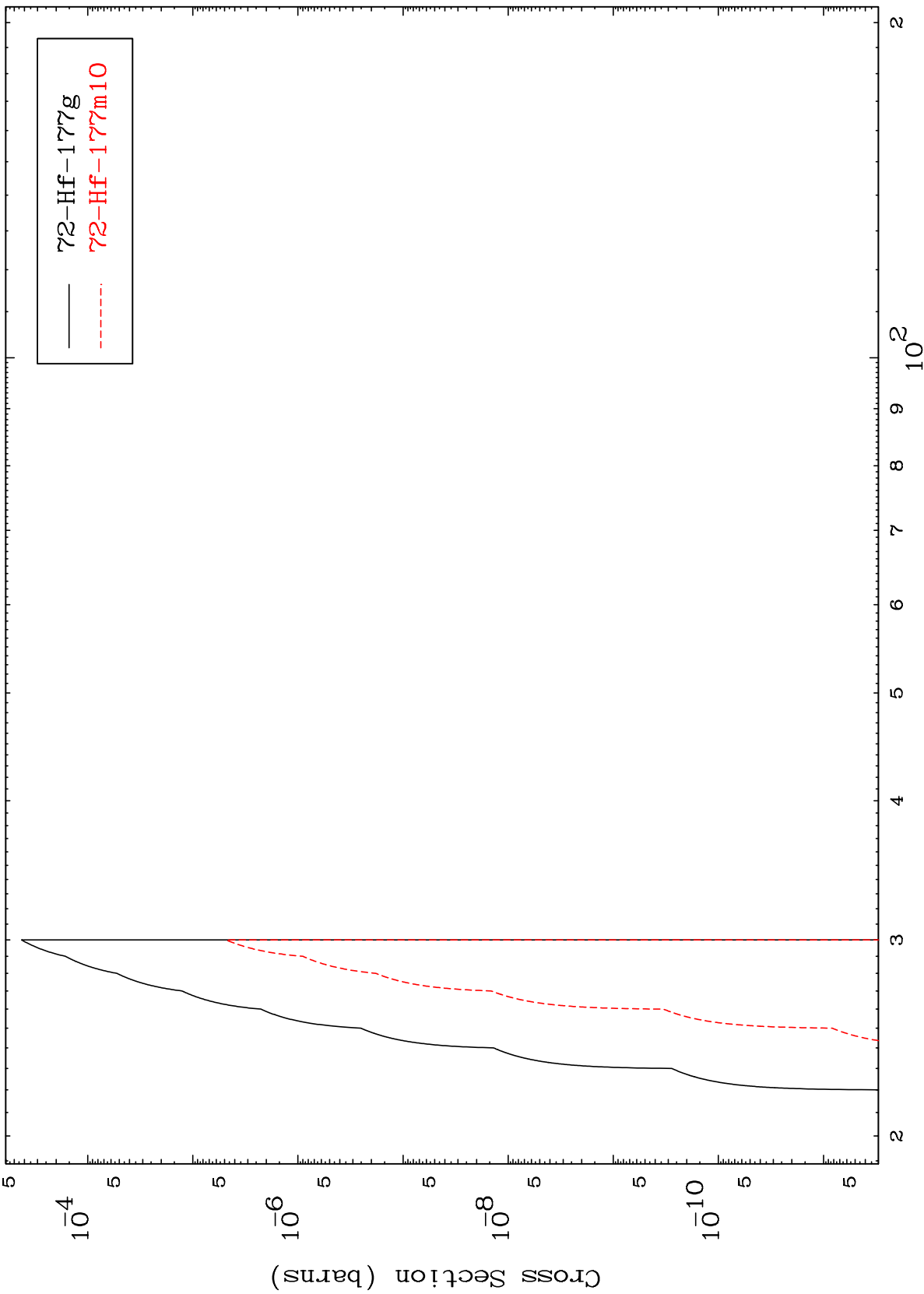
72-Hf-178g
72-Hf-178m5

MAT 7326

(n,3n) p

⁷³Ta-180

Radionuclide Production Cross Section



30

Incident Energy (MeV)

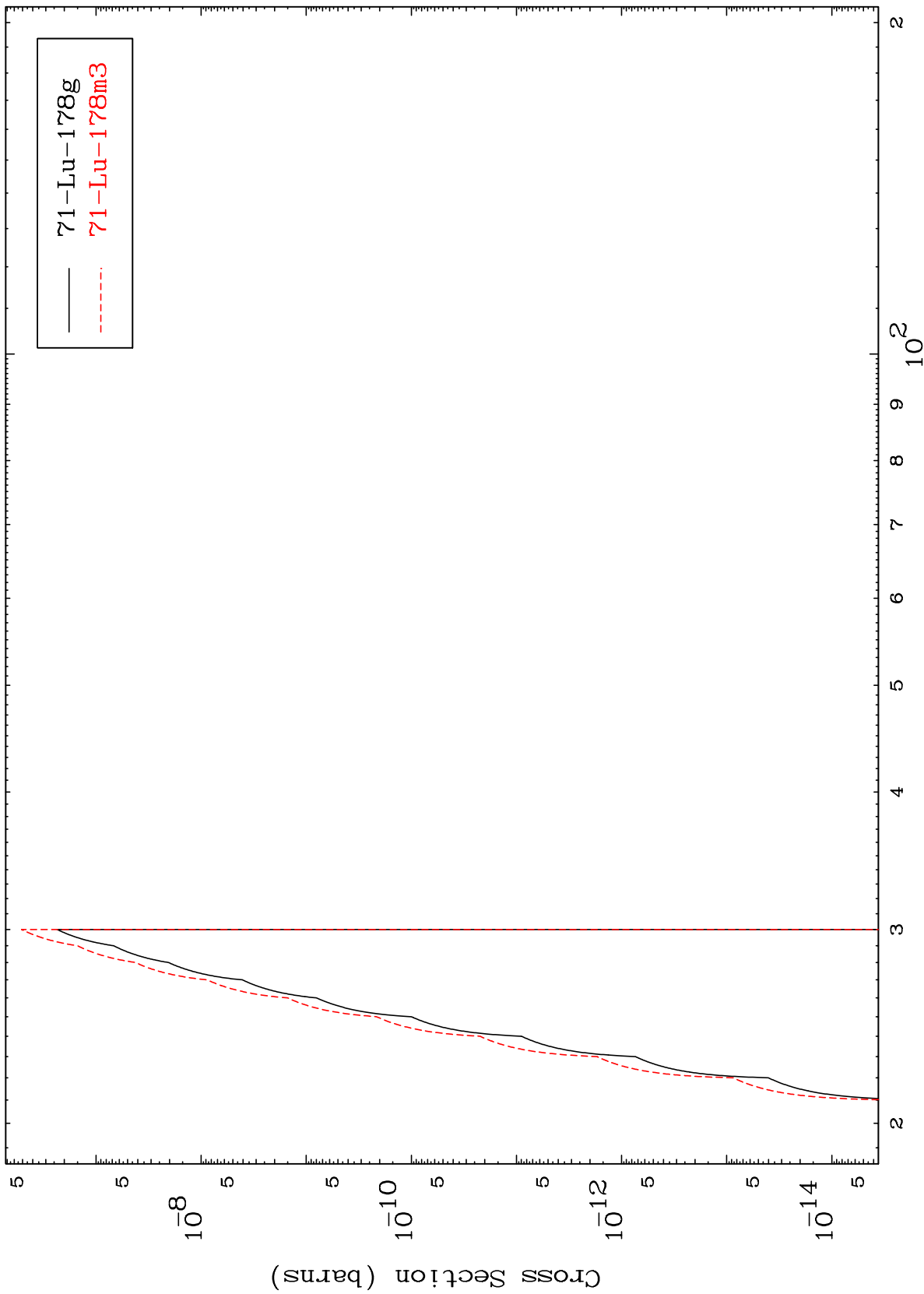
⁷³Ta-180

MAT 7326

$(n,2n)$ p

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section

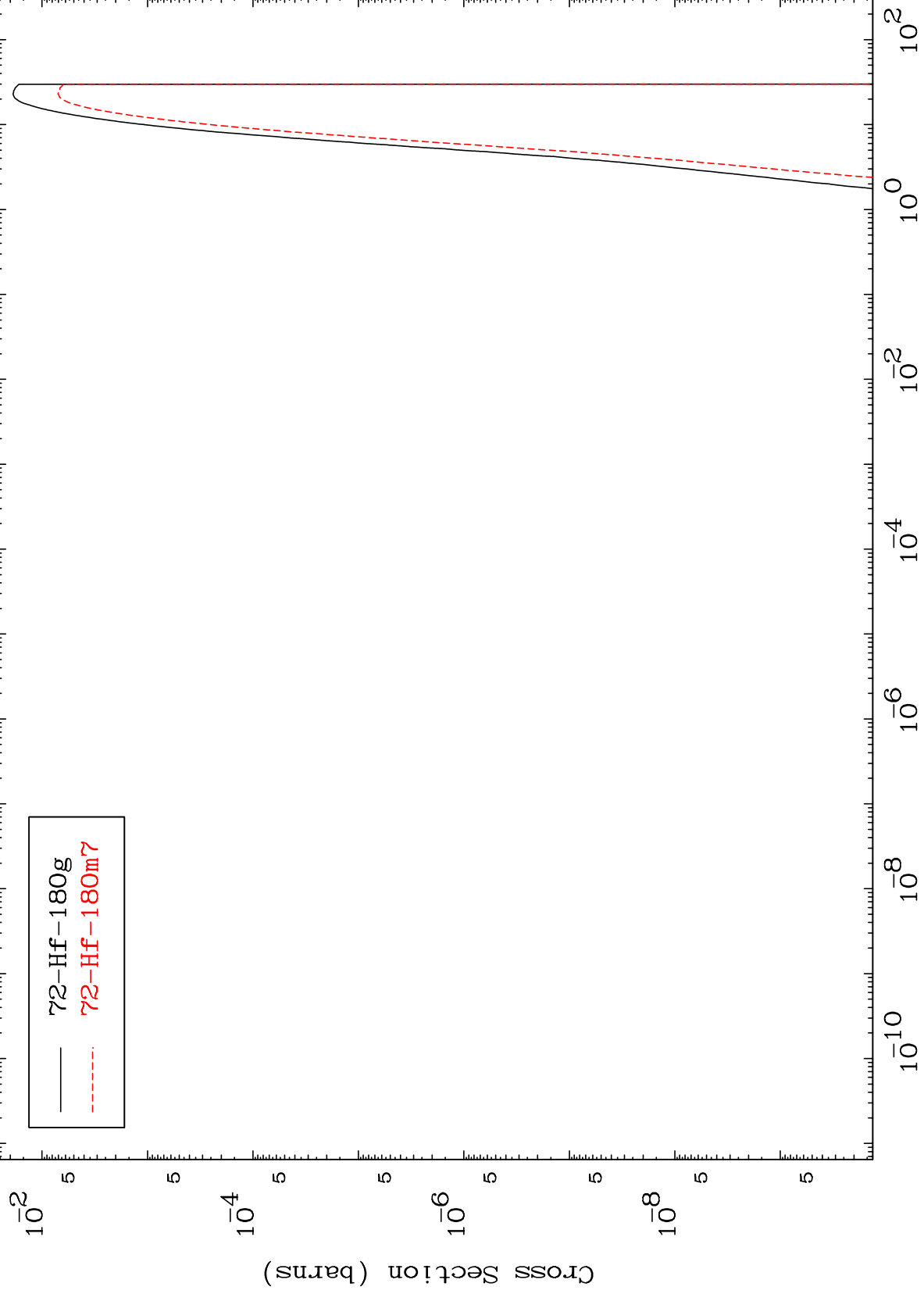


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(n,p)

⁷³Ta-180

Radionuclide Production Cross Section



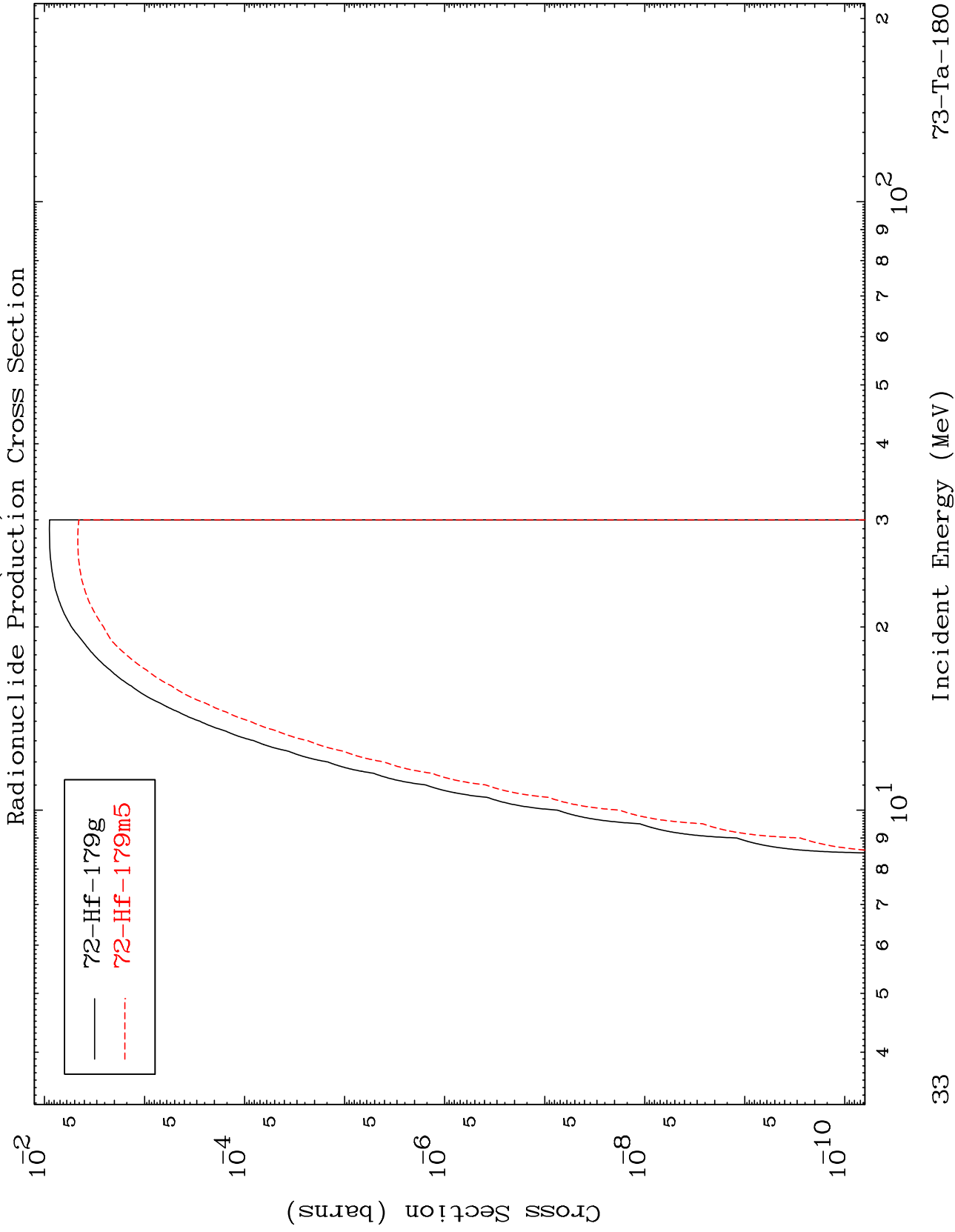
32

Incident Energy (MeV)

⁷³Ta-180

MAT 7326

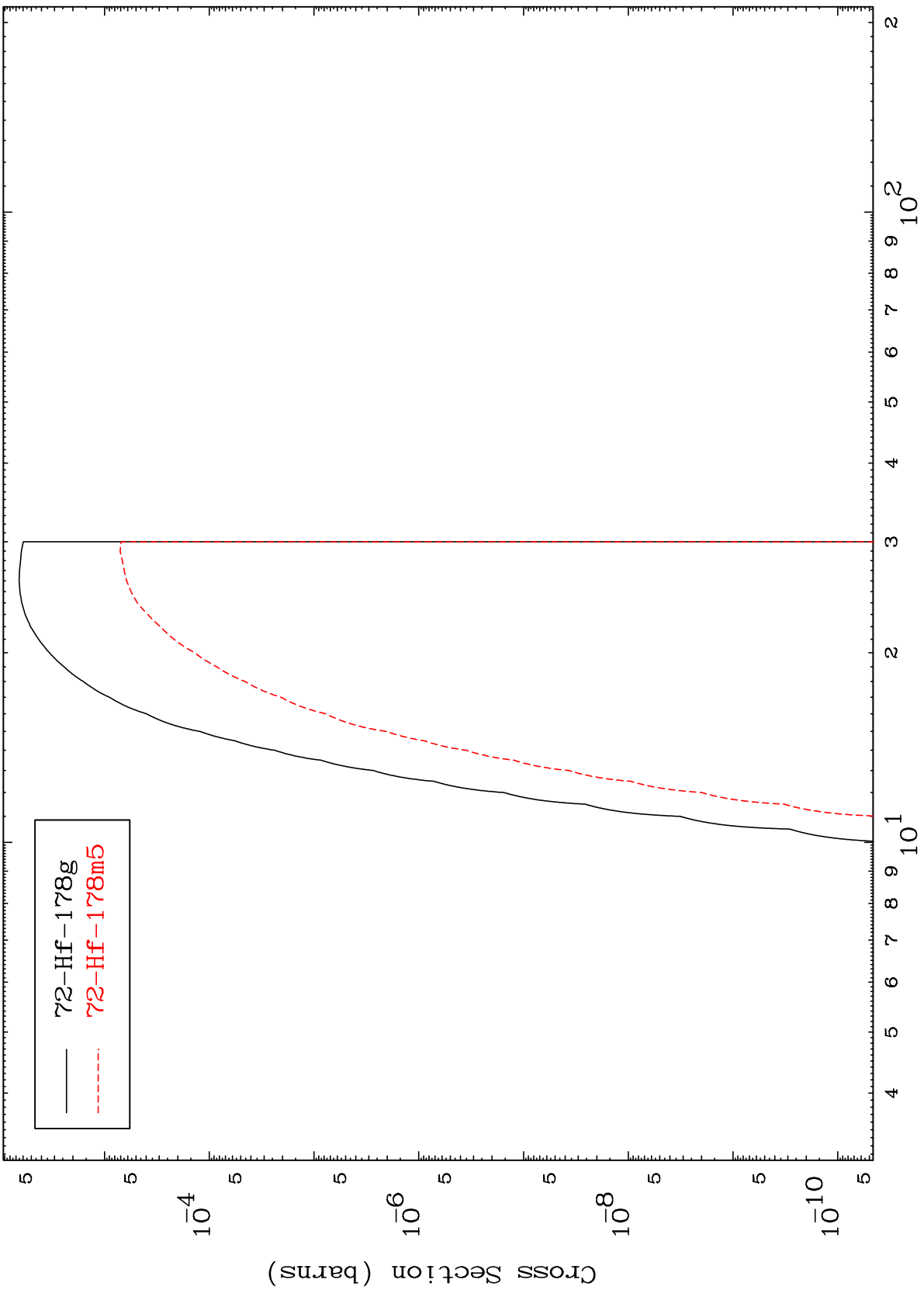
⁷³Ta-180



MAT 7326

⁷³Ta-180

(n, t)
Radionuclide Production Cross Section



34

Incident Energy (MeV)

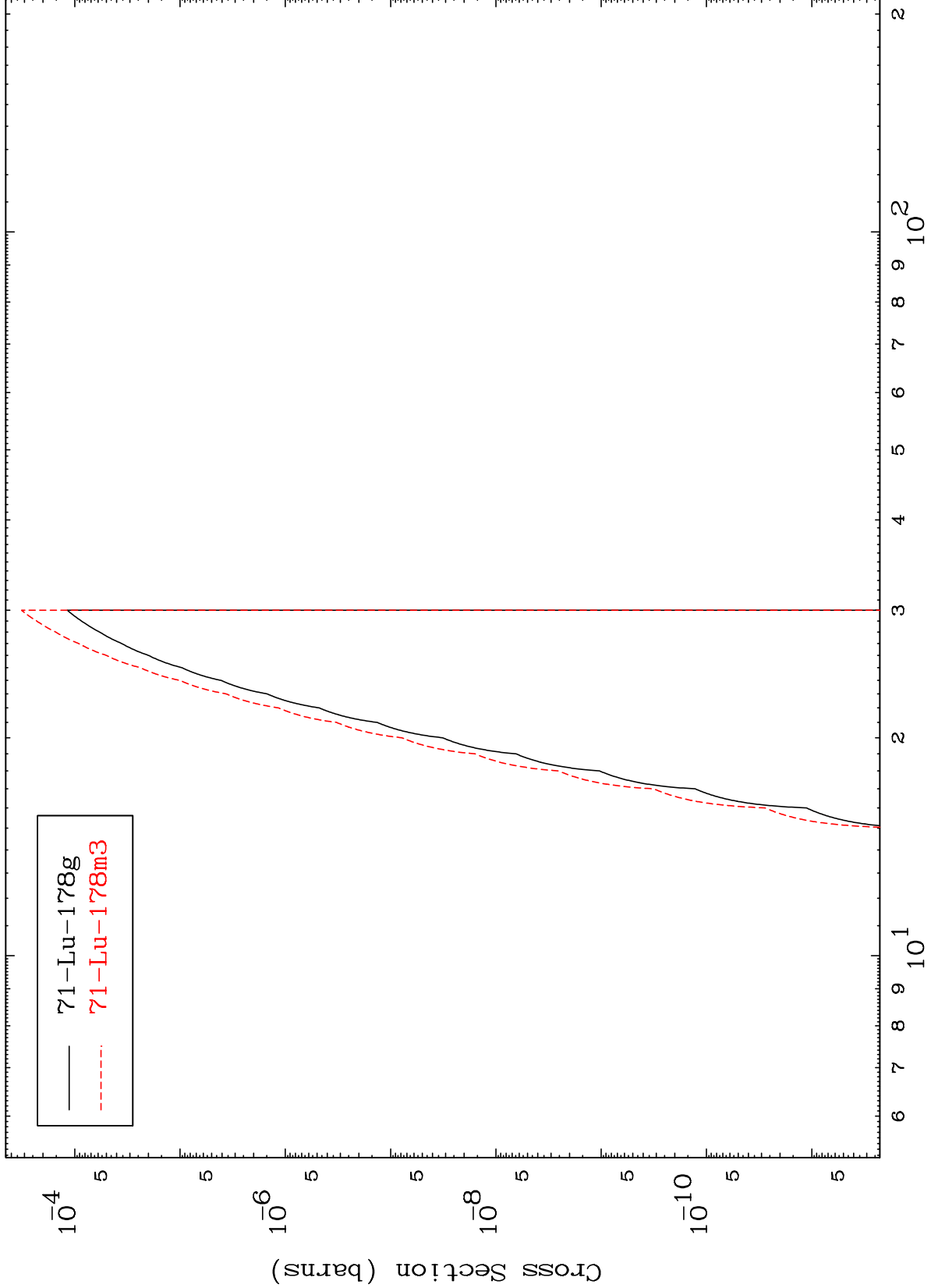
⁷³Ta-180

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(n,He-3)

73-Ta-180

Radionuclide Production Cross Section



71-Lu-178g
71-Lu-178m3

35

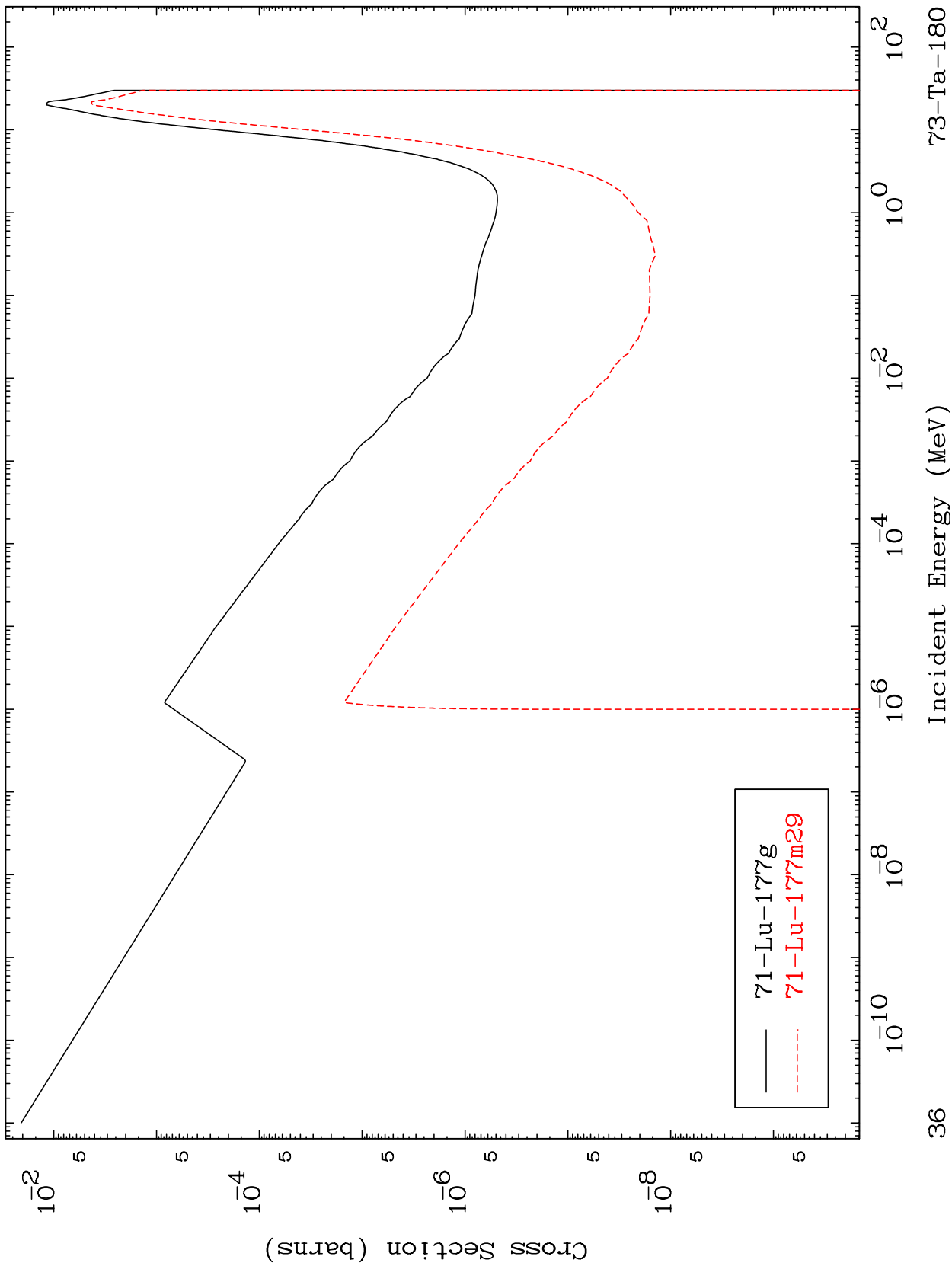
Incident Energy (MeV)

73-Ta-180

MAT 7326

73-Ta-180

Radionuclide Production Cross Section
(n, α)

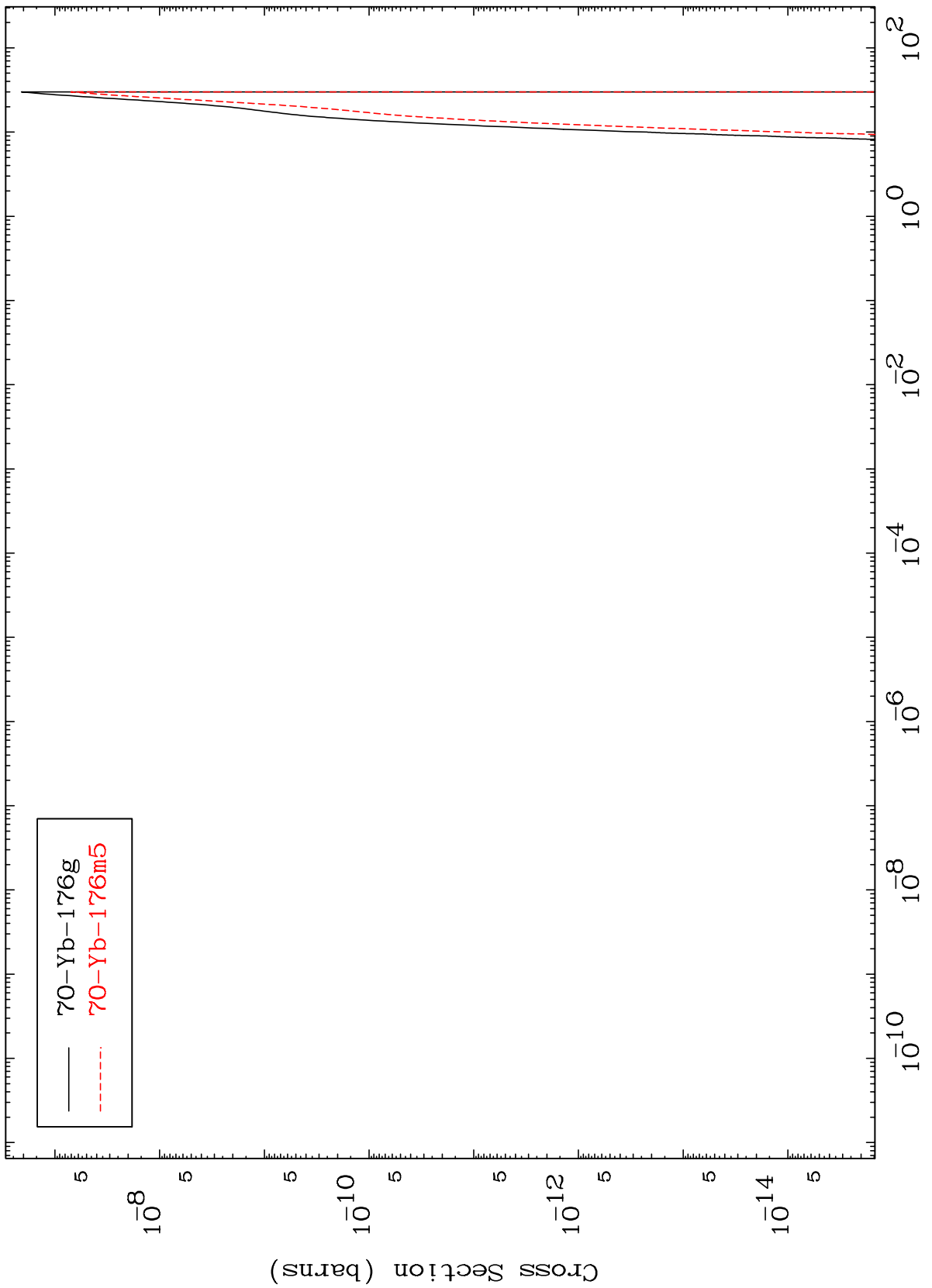


MAT 7326

(n,p) α

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section



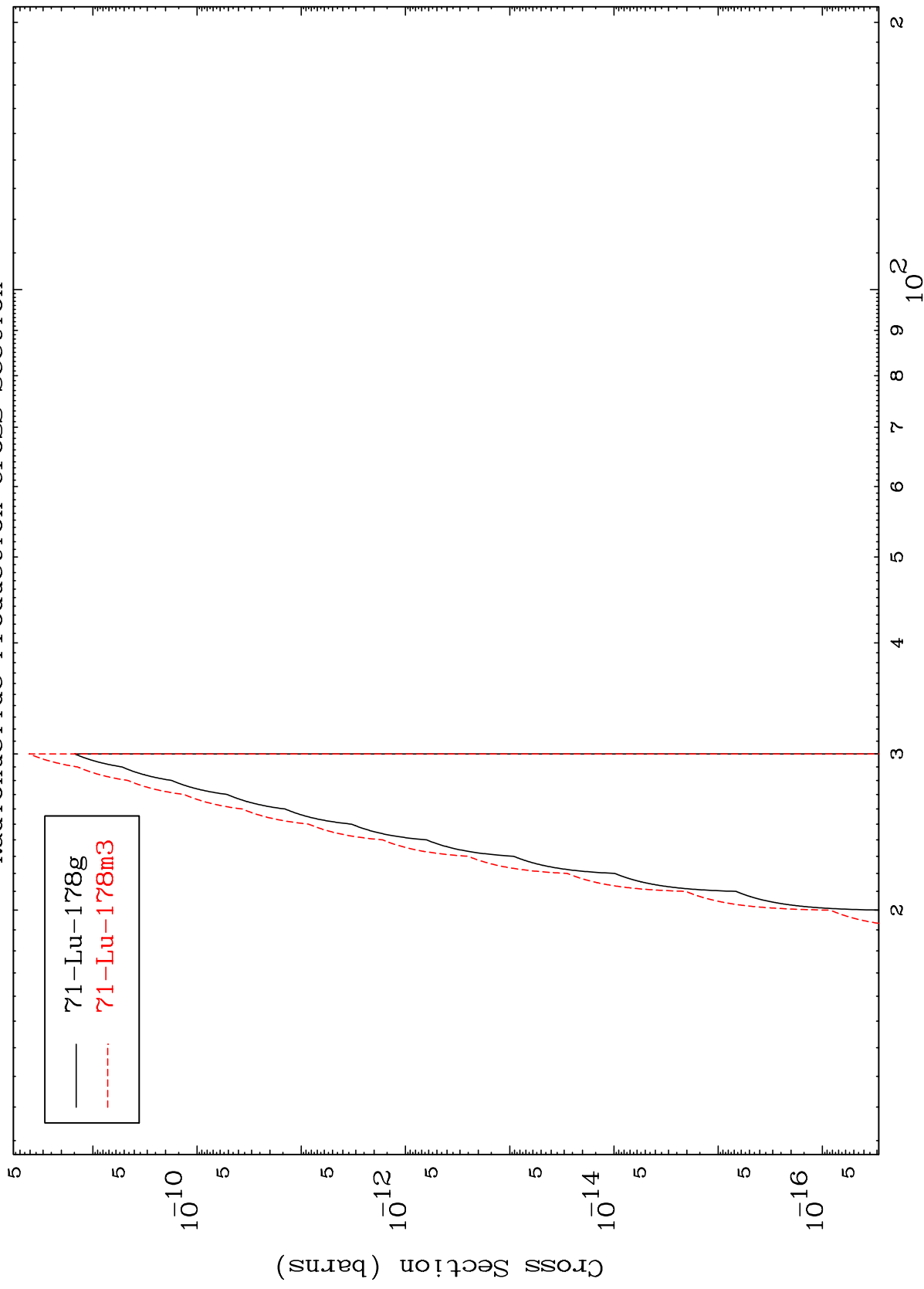
— $^{70}\text{Yb-176g}$
- - - $^{70}\text{Yb-176m5}$

MAT 7326

(n,p) d

⁷³Ta-180

Radionuclide Production Cross Section



38

Incident Energy (MeV)

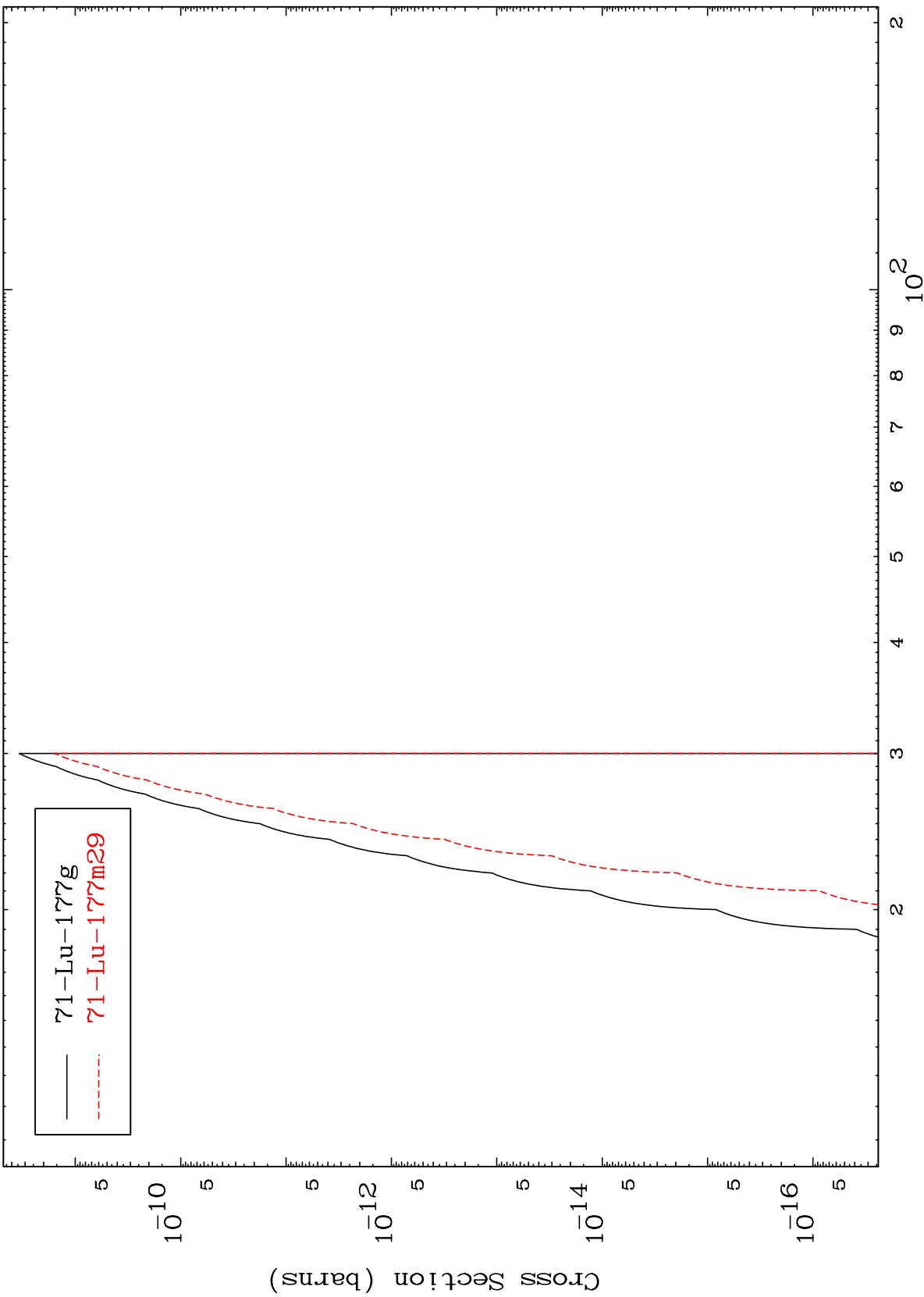
⁷³Ta-180

MAT 7326

(n,p) t

⁷³Ta-180

Radionuclide Production Cross Section



39

Incident Energy (MeV)

⁷³Ta-180