

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

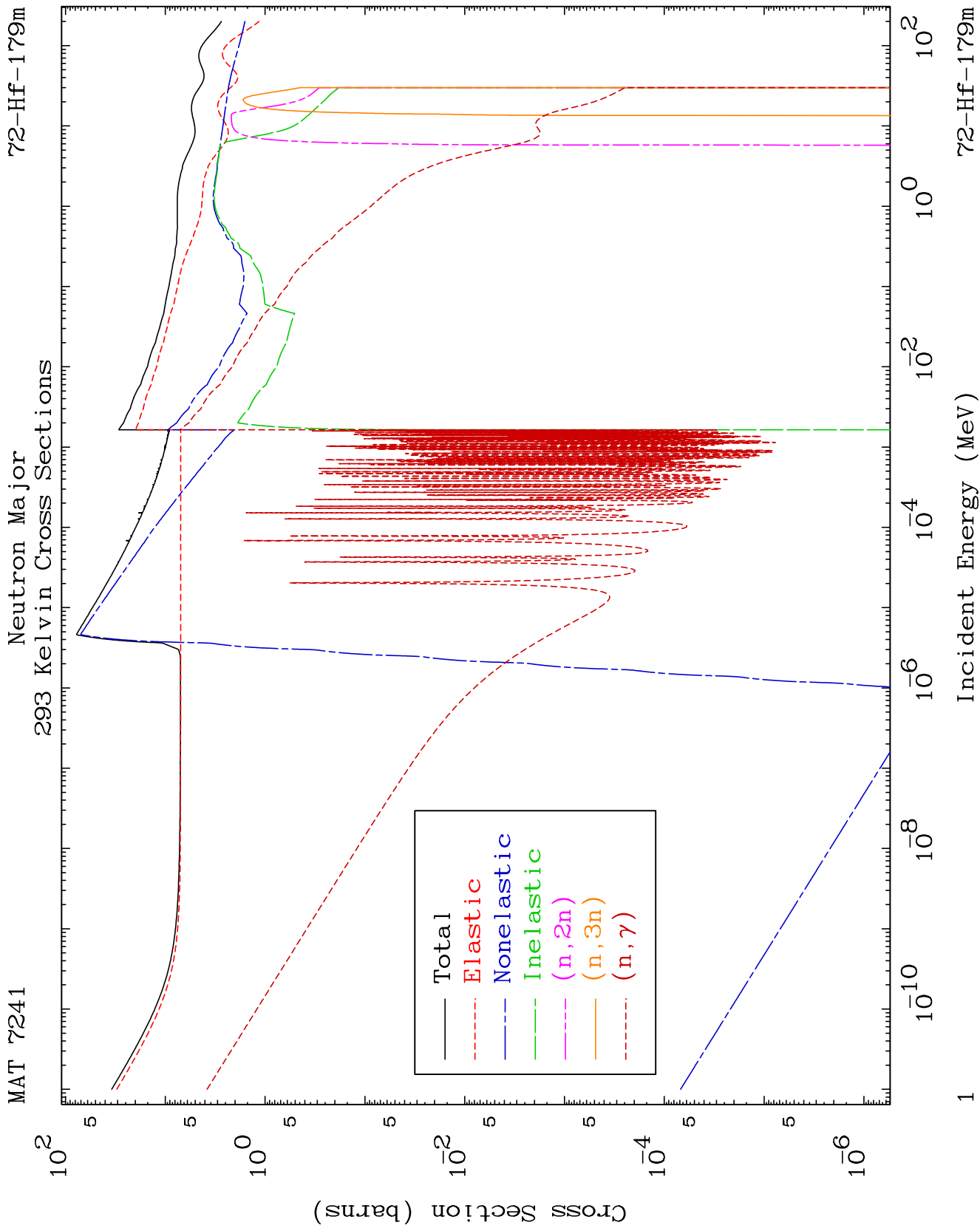
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Web: redcullen1.net/HOMEPAGE.NEW

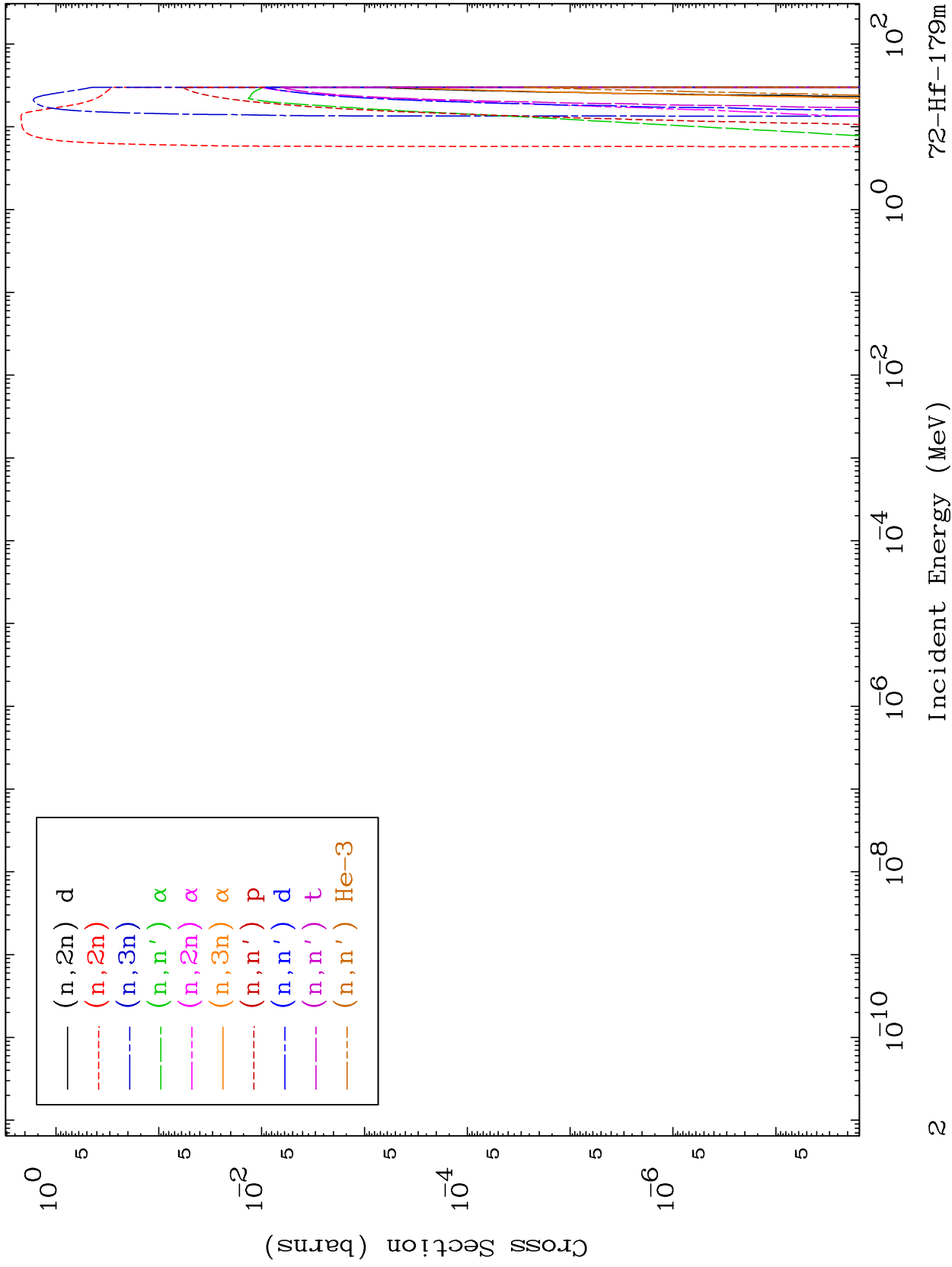
Press Mouse Button to Start



MAT 7241

Neutron Absorption
293 Kelvin Cross Sections

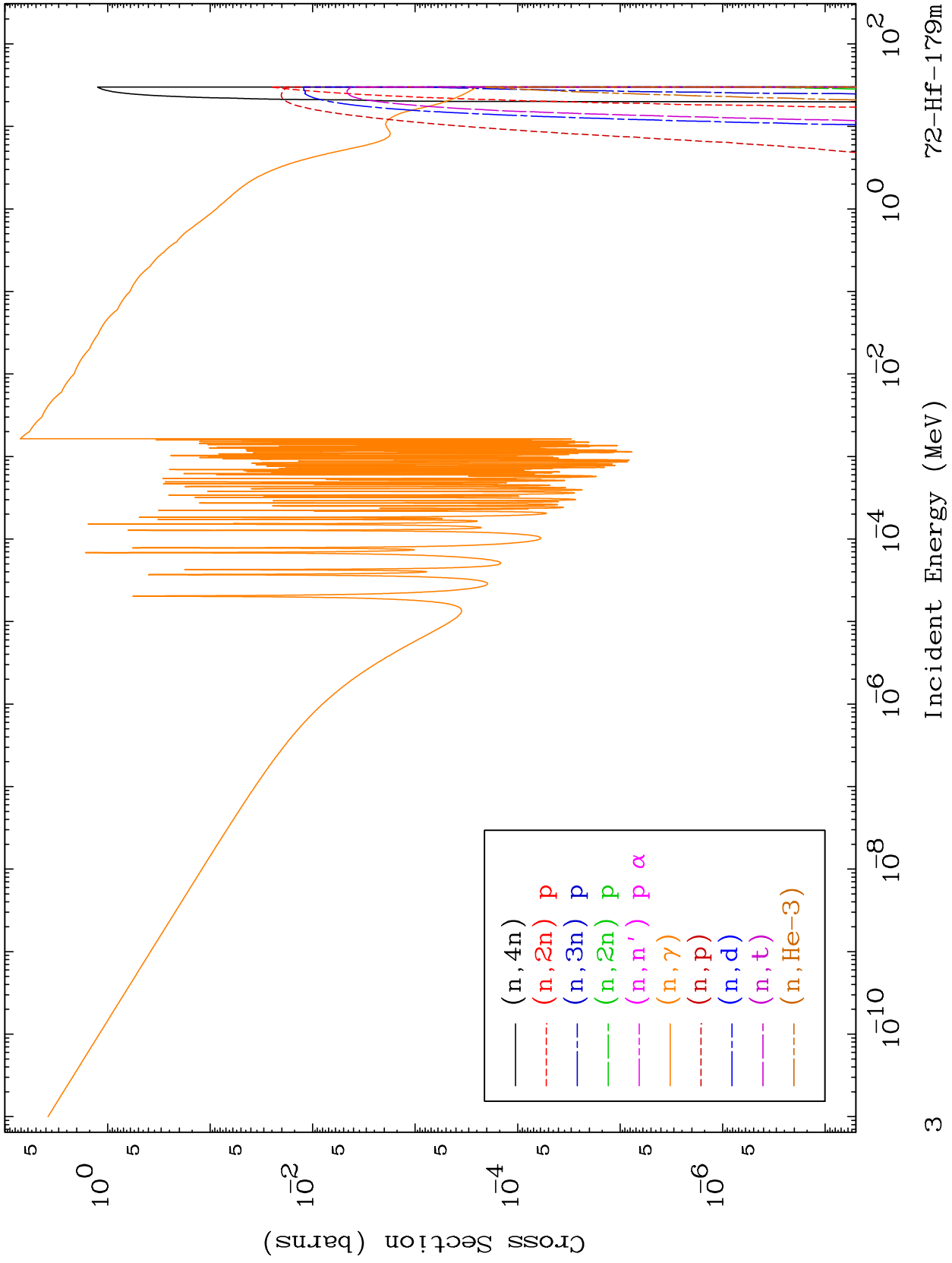
72-Hf-179m



MAT 7241

Neutron Absorption
293 Kelvin Cross Sections

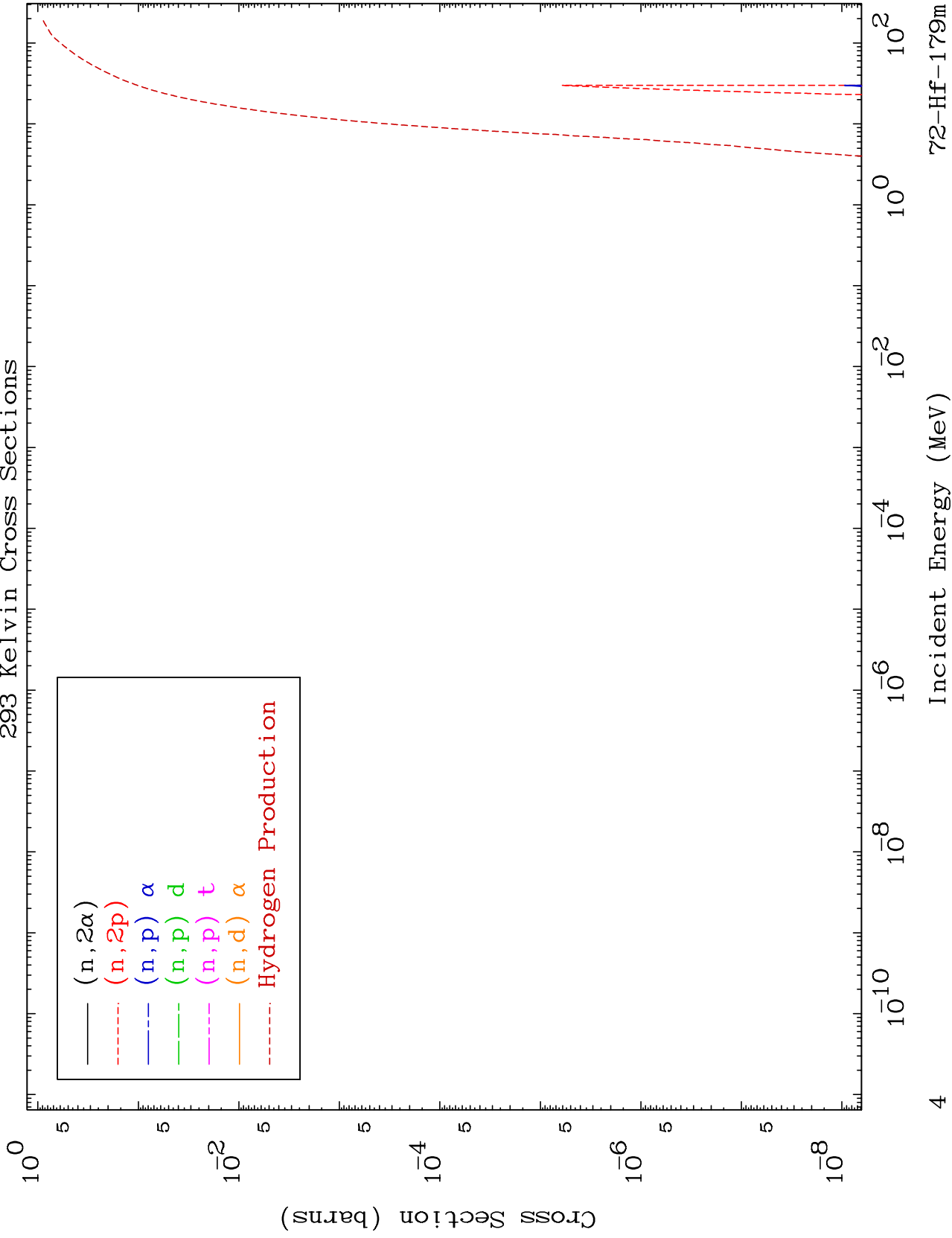
72-Hf-179m



MAT 7241

Neutron Absorption
293 Kelvin Cross Sections

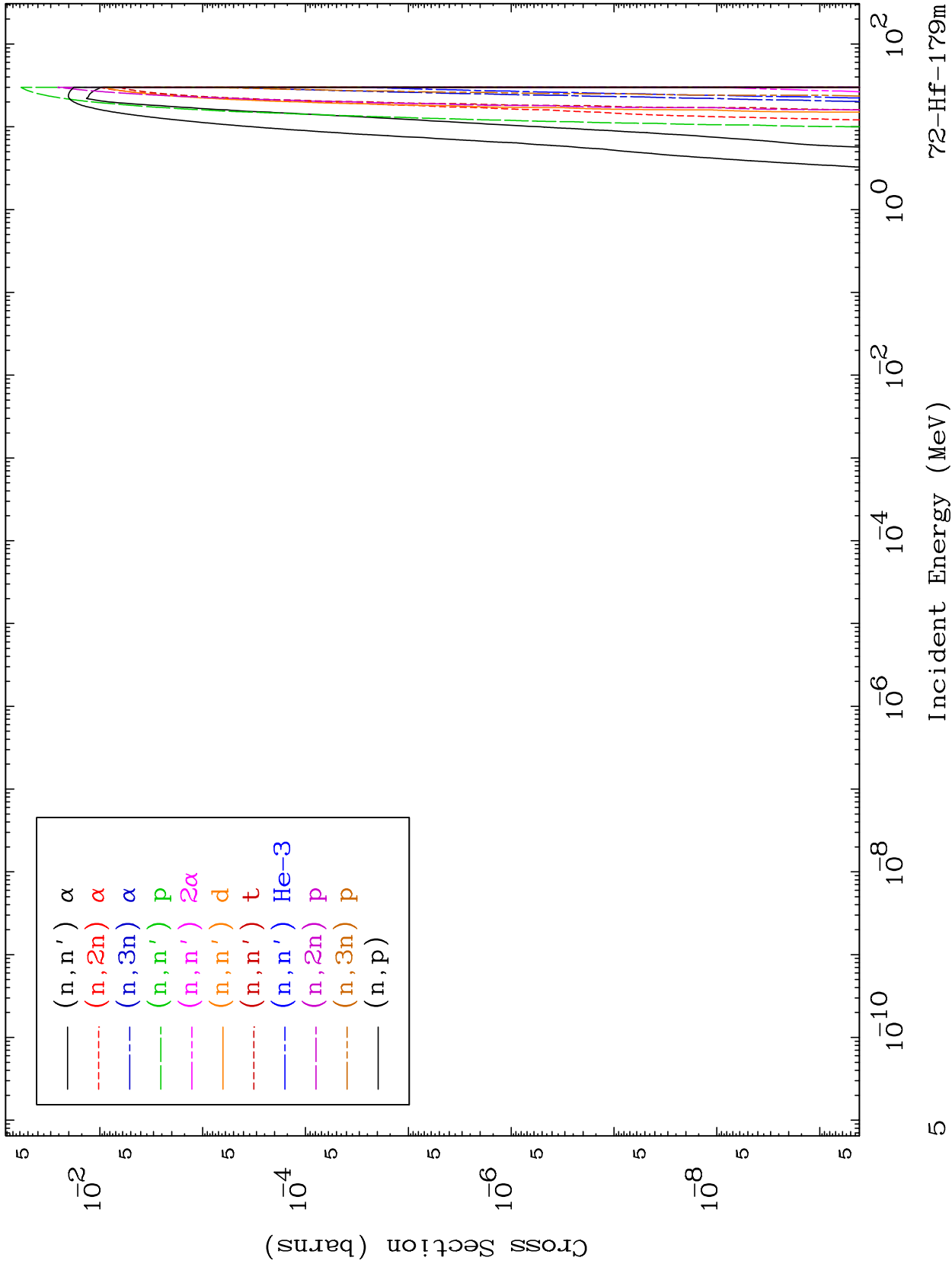
72-Hf-179m



MAT 7241

Charged Particle
293 Kelvin Cross Sections

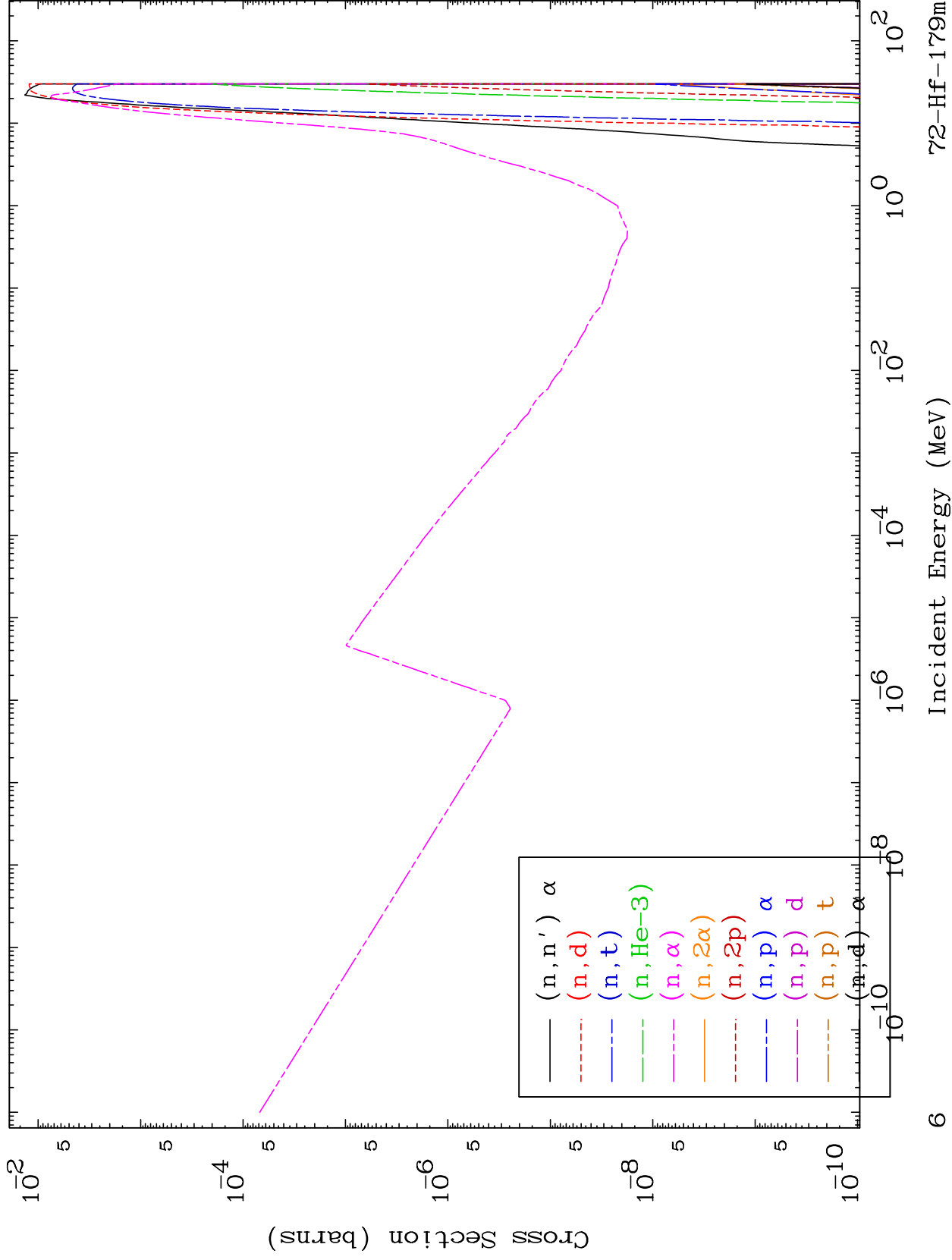
72-Hf-179m



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Charged Particle
293 Kelvin Cross Sections

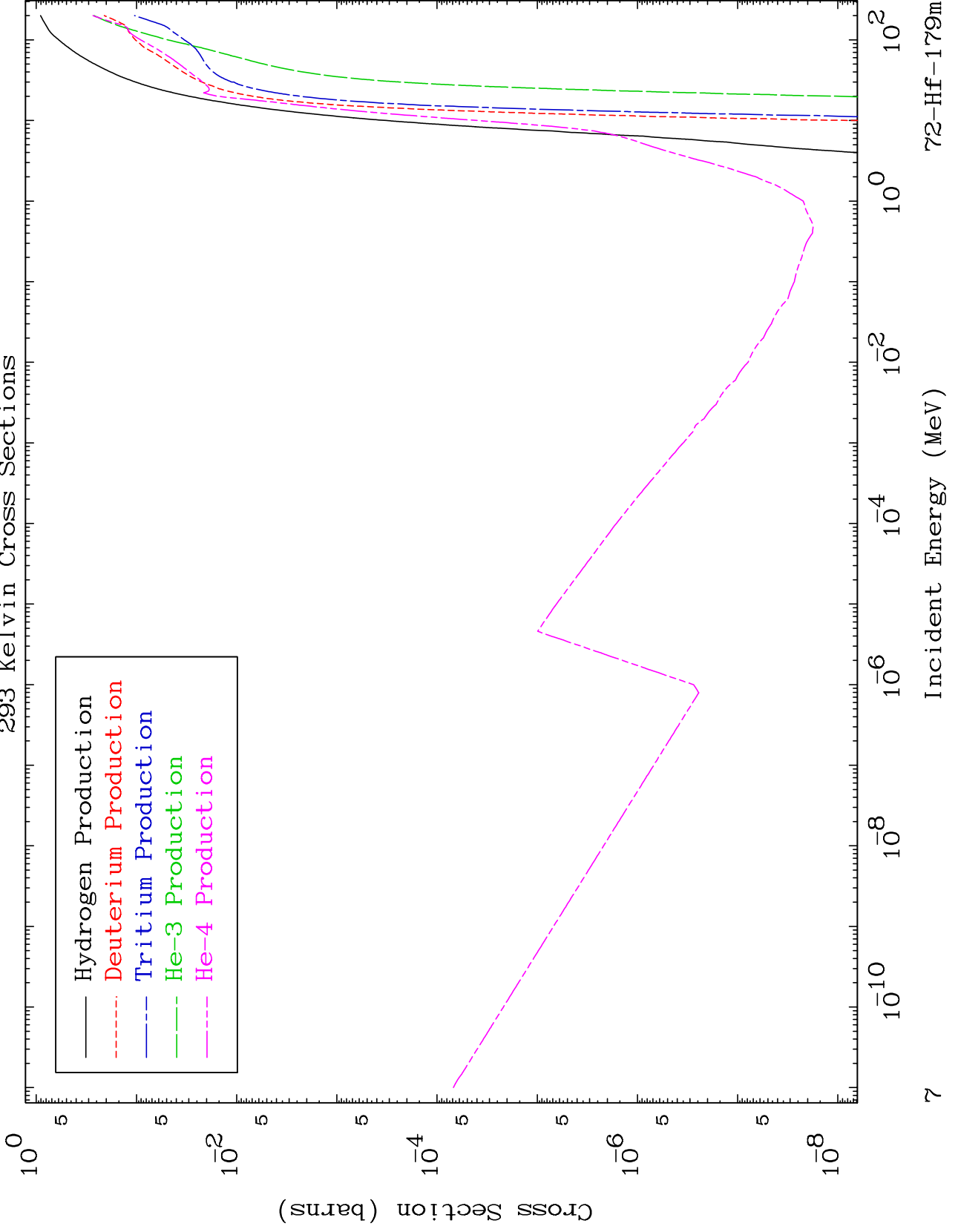
72-Hf-179m



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Particle Production
293 Kelvin Cross Sections

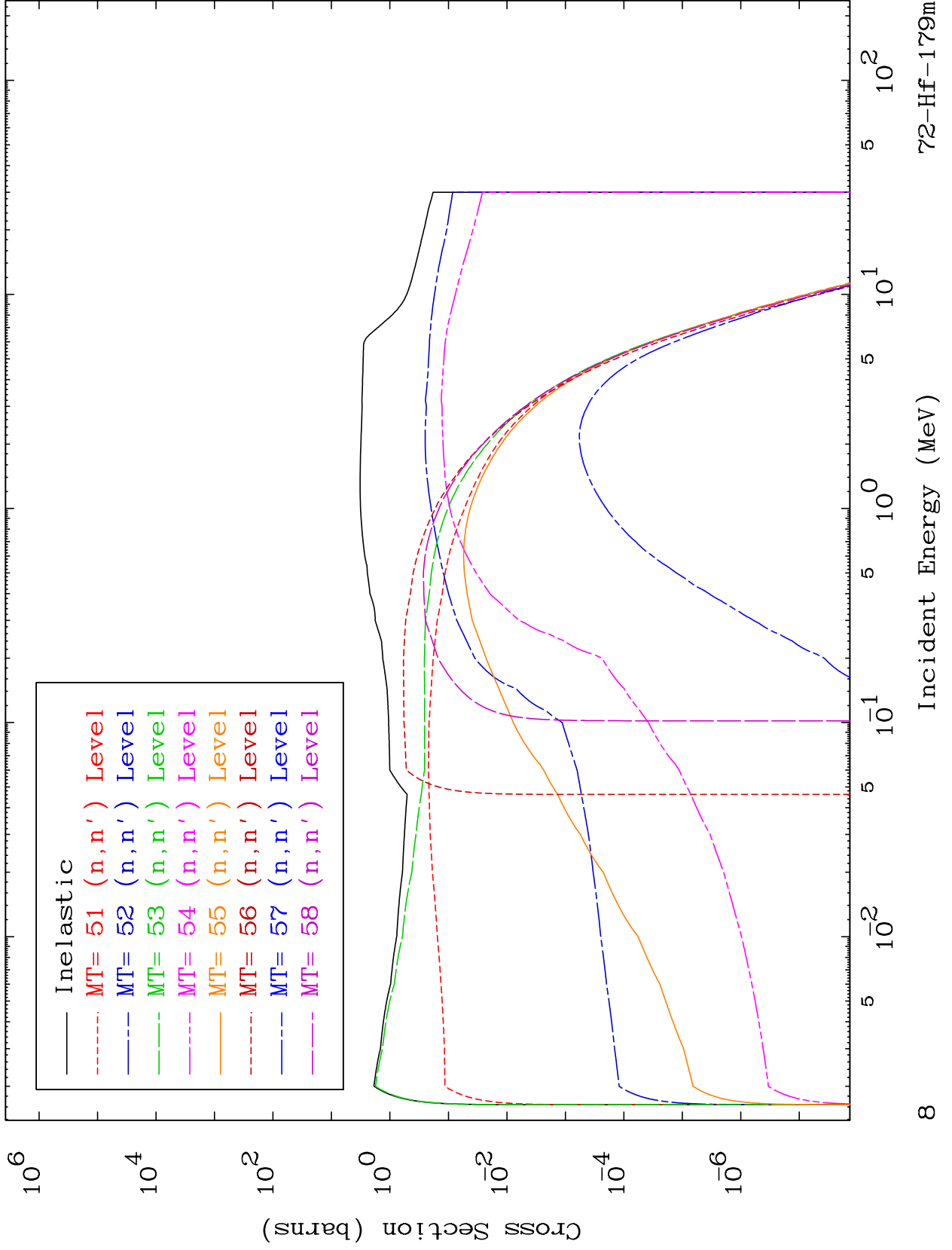
72-Hf-179m



MAT 7241

293 (n,n') Levels

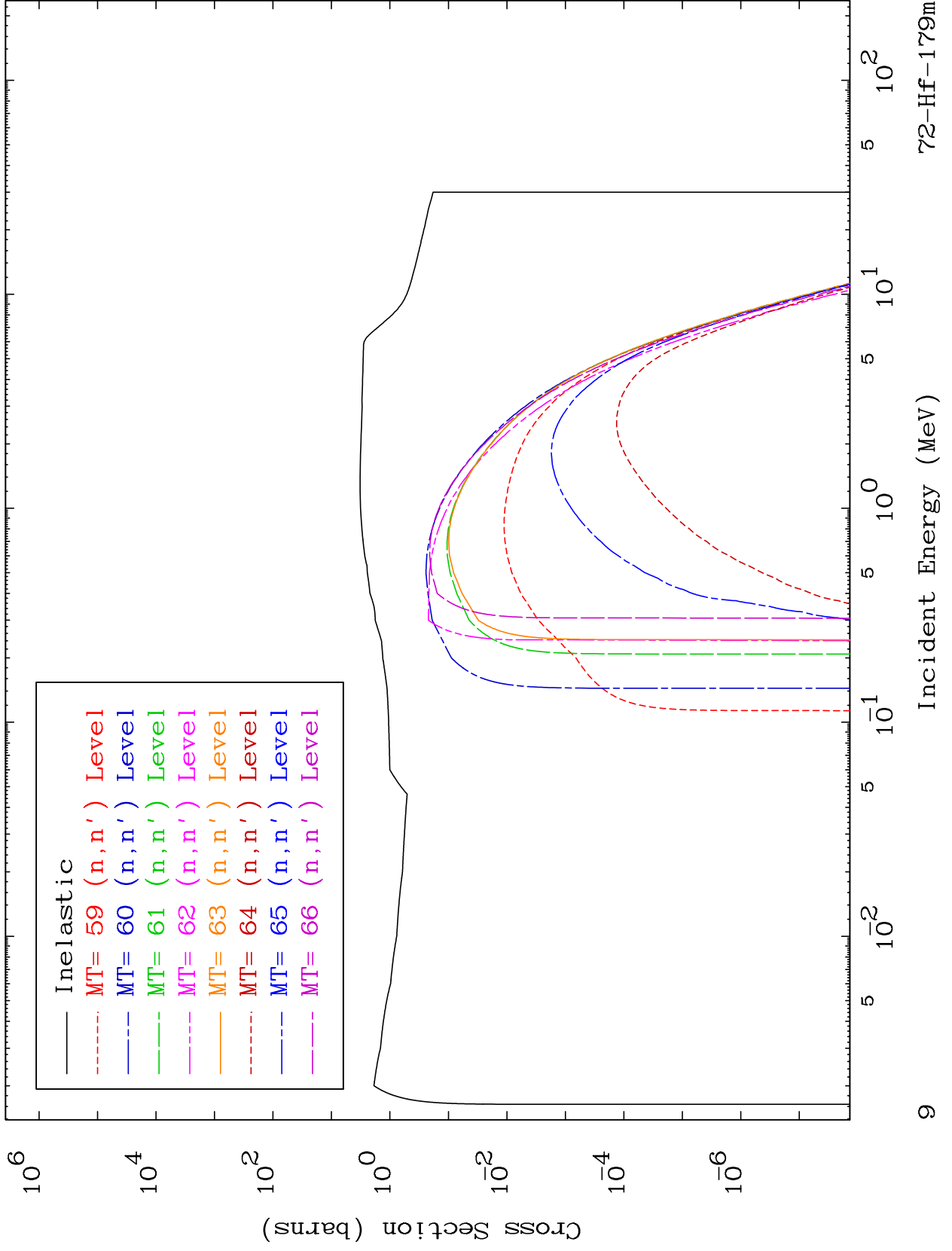
72-Hf-179m



MAT 7241

(n,n') Levels
293 Kelvin Cross Sections

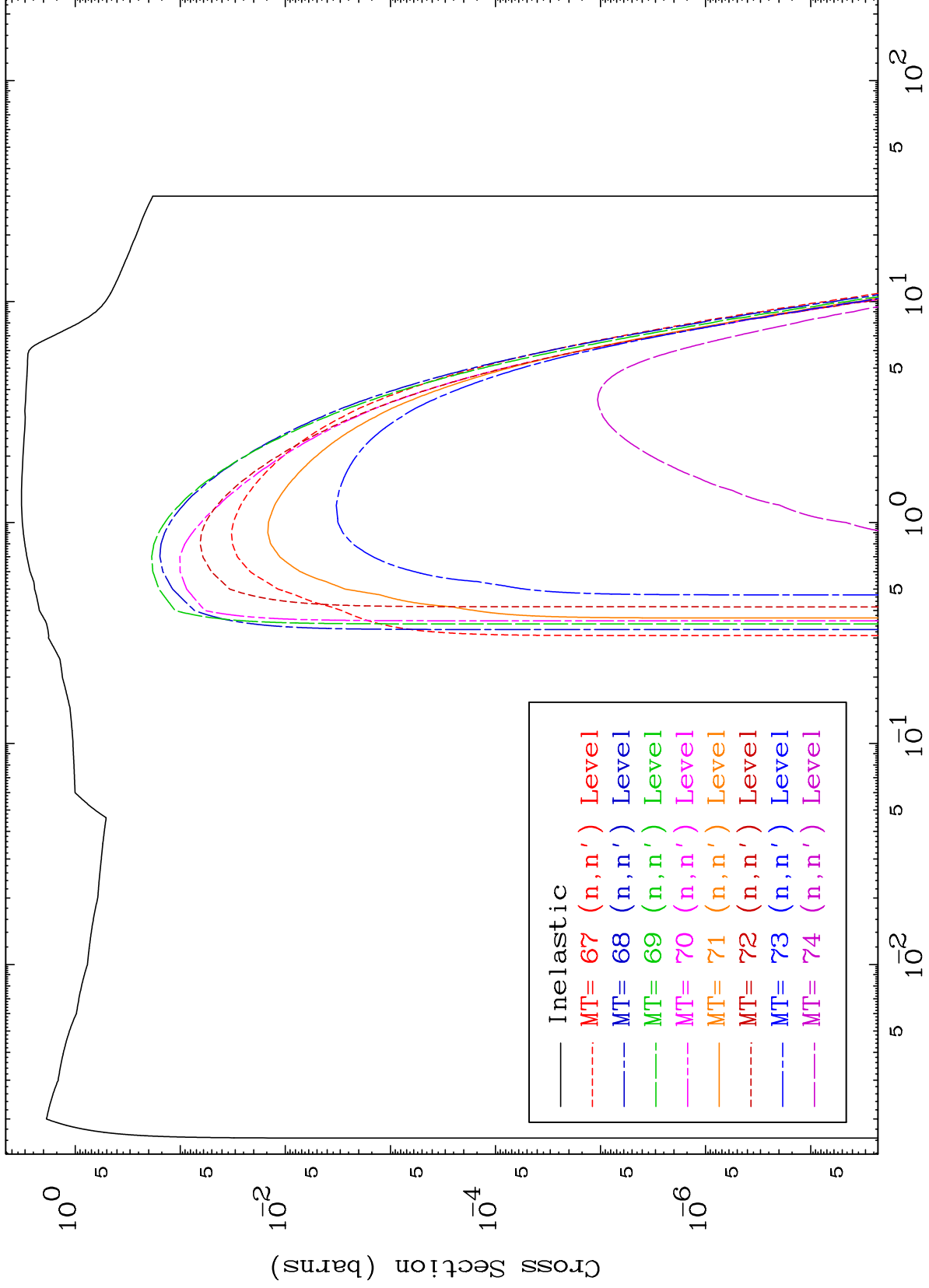
72-Hf-179m



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(n, n') Levels
293 Kelvin Cross Sections

72-Hf-179m



10

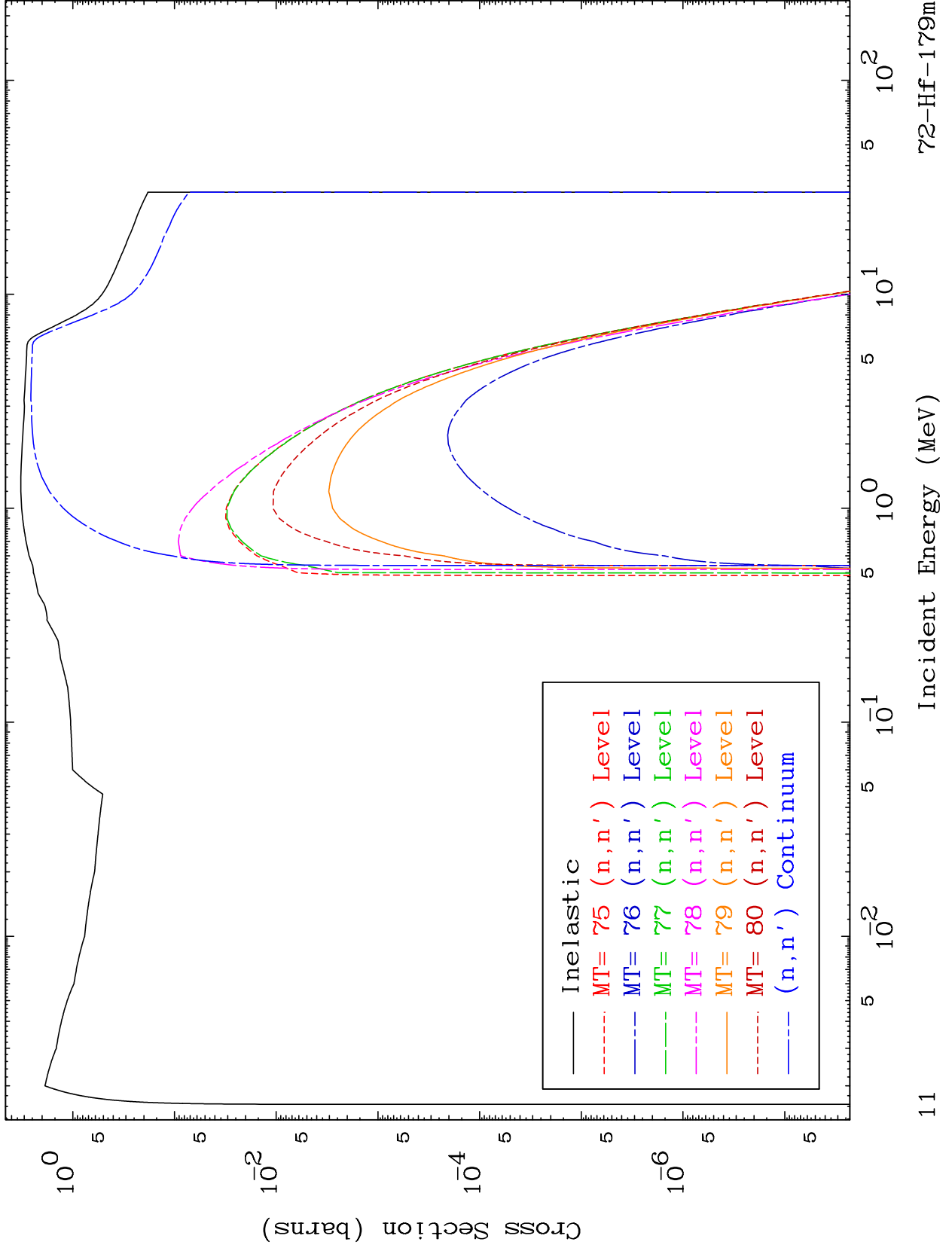
Incident Energy (MeV)

72-Hf-179m

MAT 7241

(n,n') Levels
293 Kelvin Cross Sections

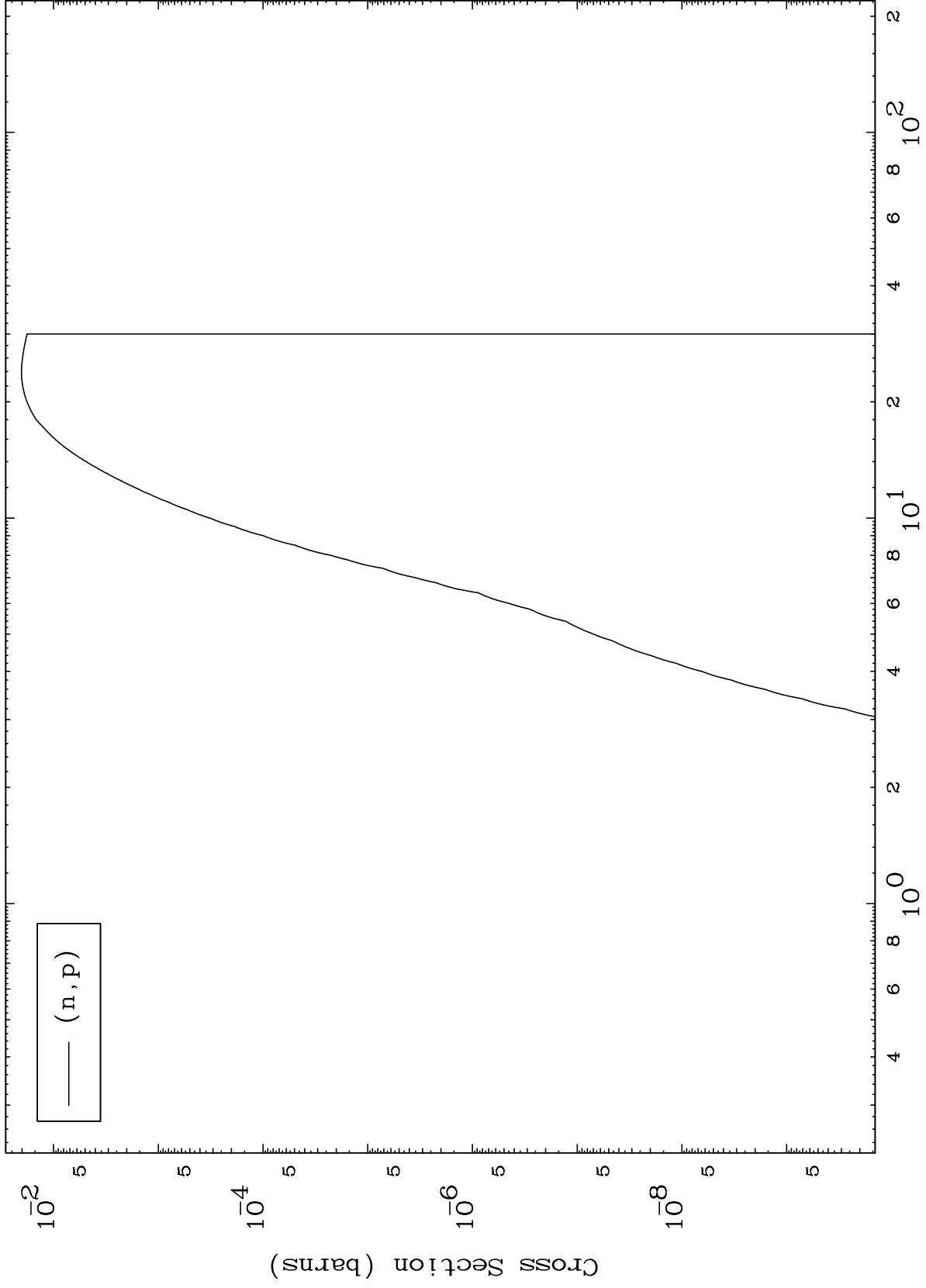
72-Hf-179m



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(n,p) Levels
293 Kelvin Cross Sections

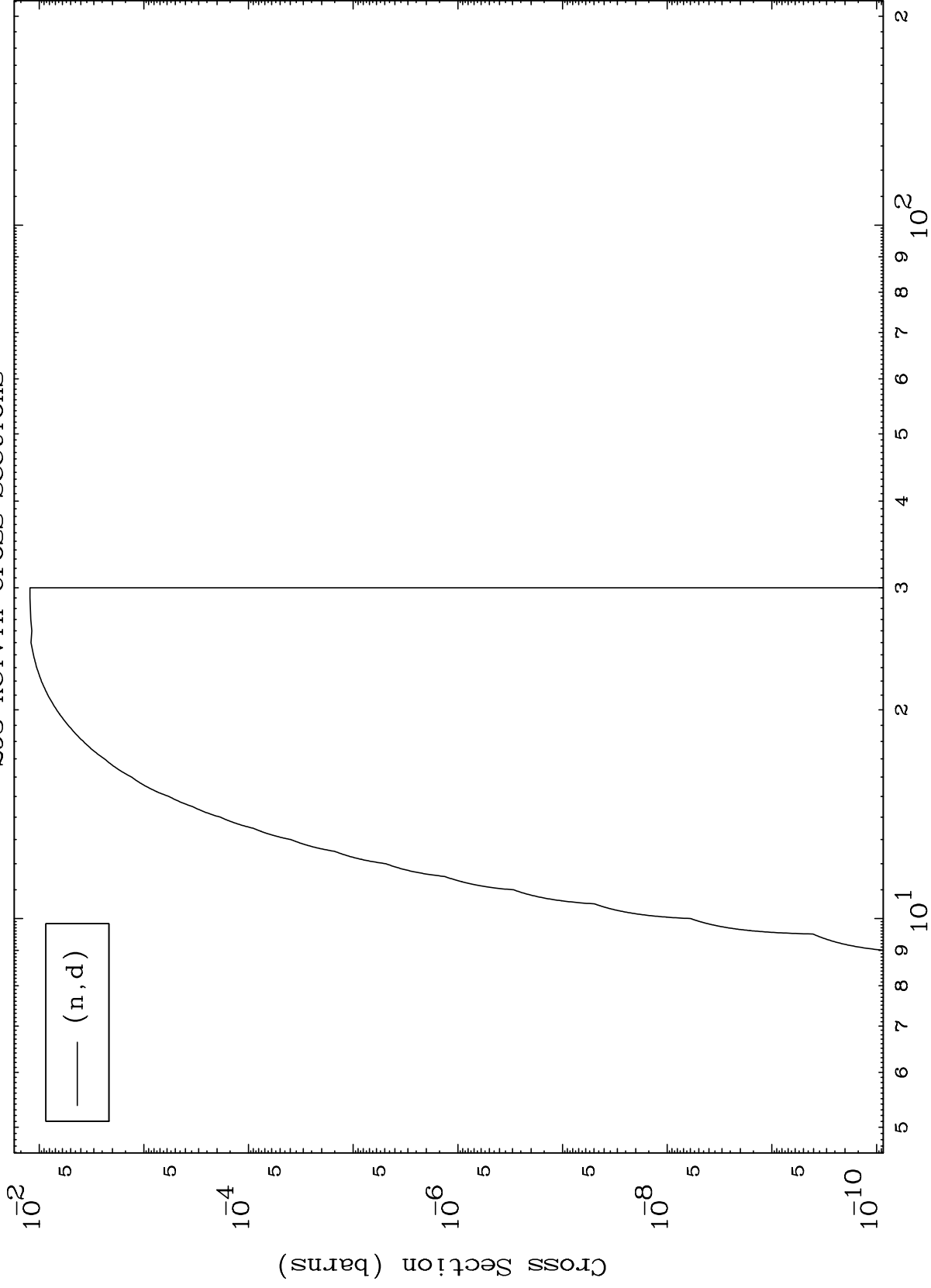
72-Hf-179m



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(n,d) Levels
293 Kelvin Cross Sections

72-Hf-179m



13

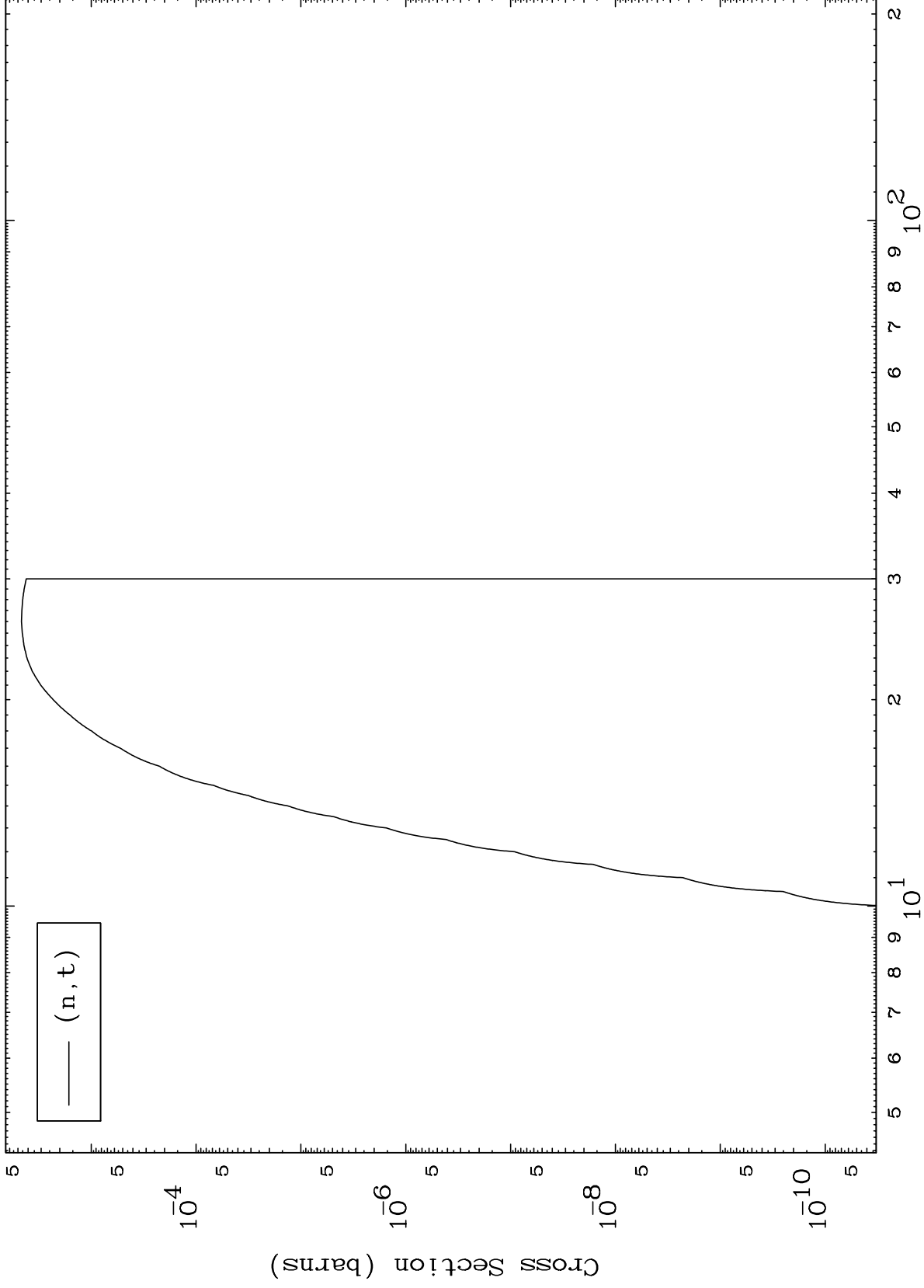
Incident Energy (MeV)

72-Hf-179m

MAT 7241

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-179m



14

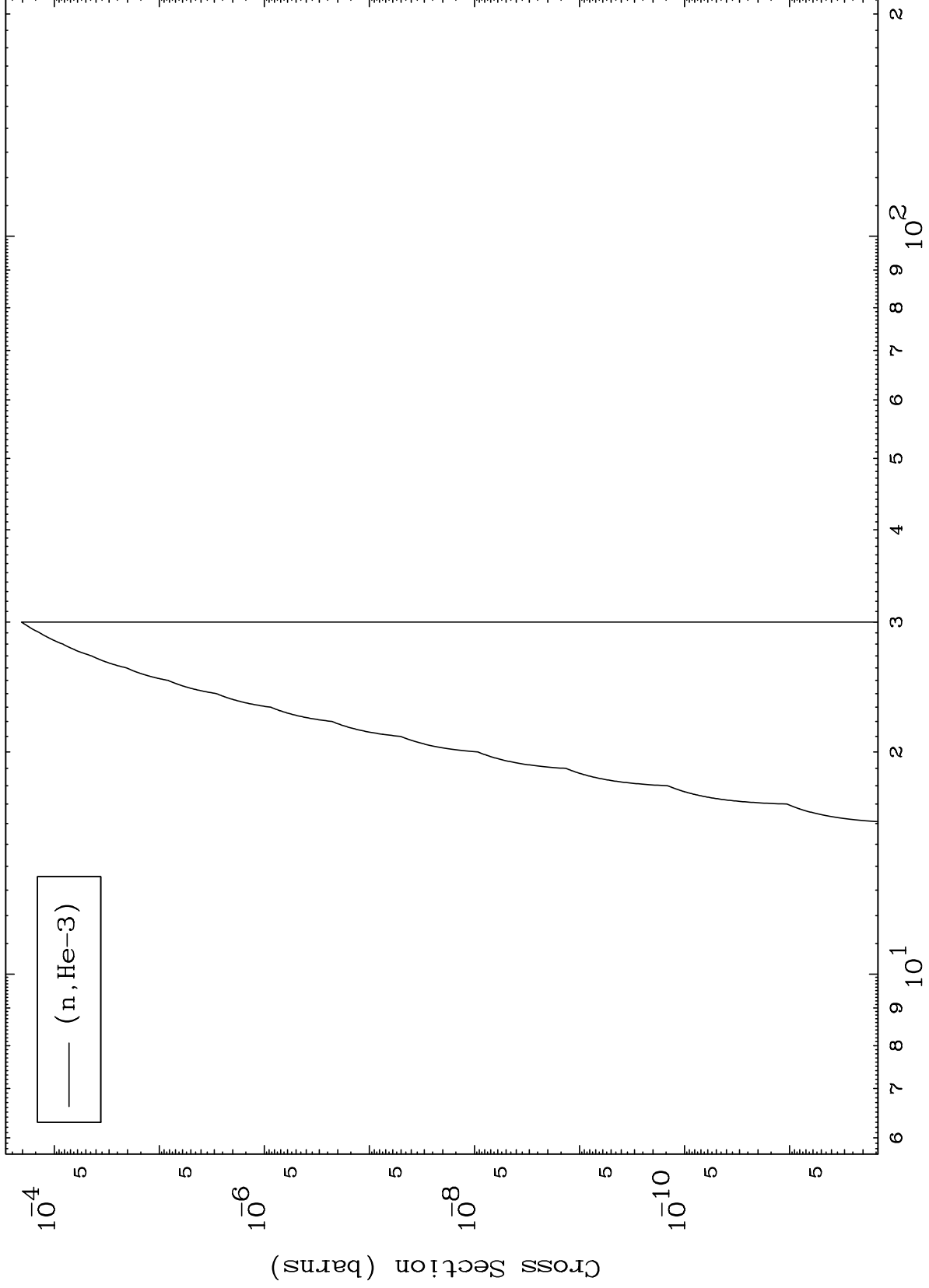
Incident Energy (MeV)

72-Hf-179m

MAT 7241

(n,He3) Levels
293 Kelvin Cross Sections

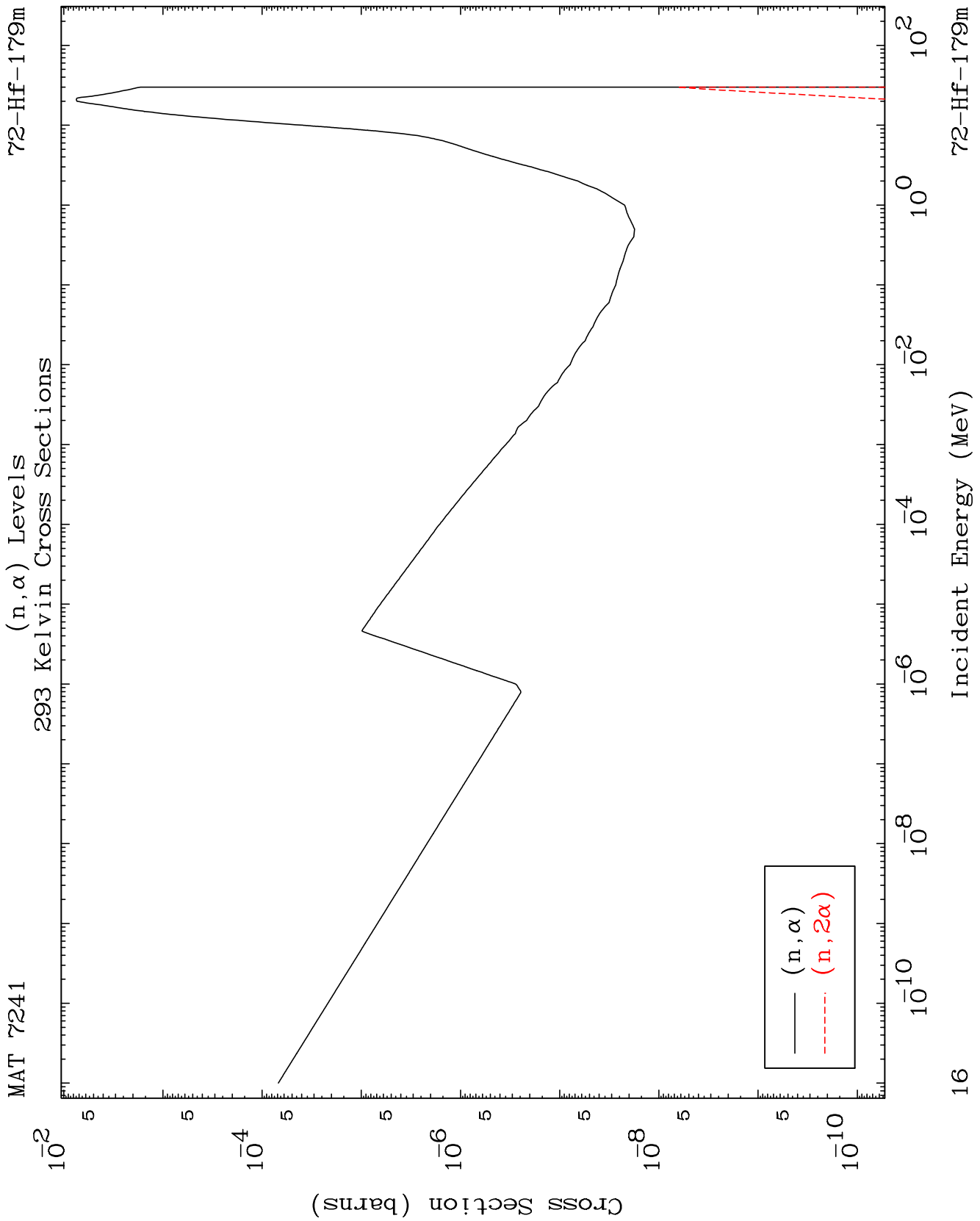
72-Hf-179m

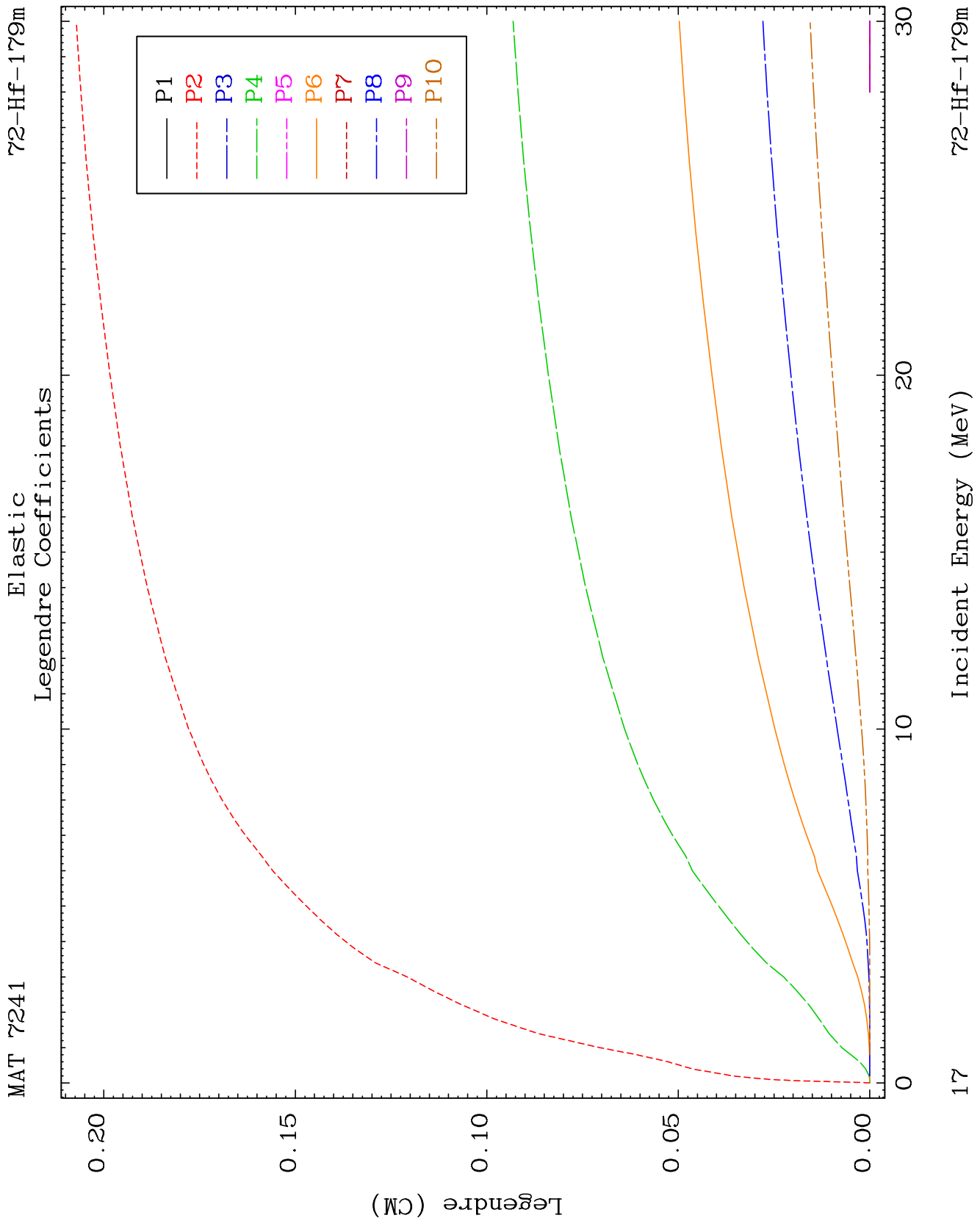


15

Incident Energy (MeV)

72-Hf-179m

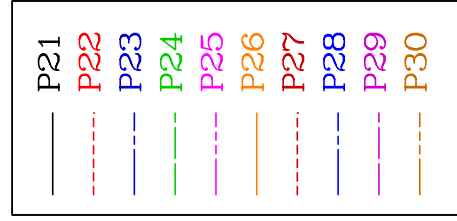




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Elastic
Legendre Coefficients

72-Hf-179m



$\times 10^{-5}$

Legendre (CM)

1.0

0.5

0.0

15

20

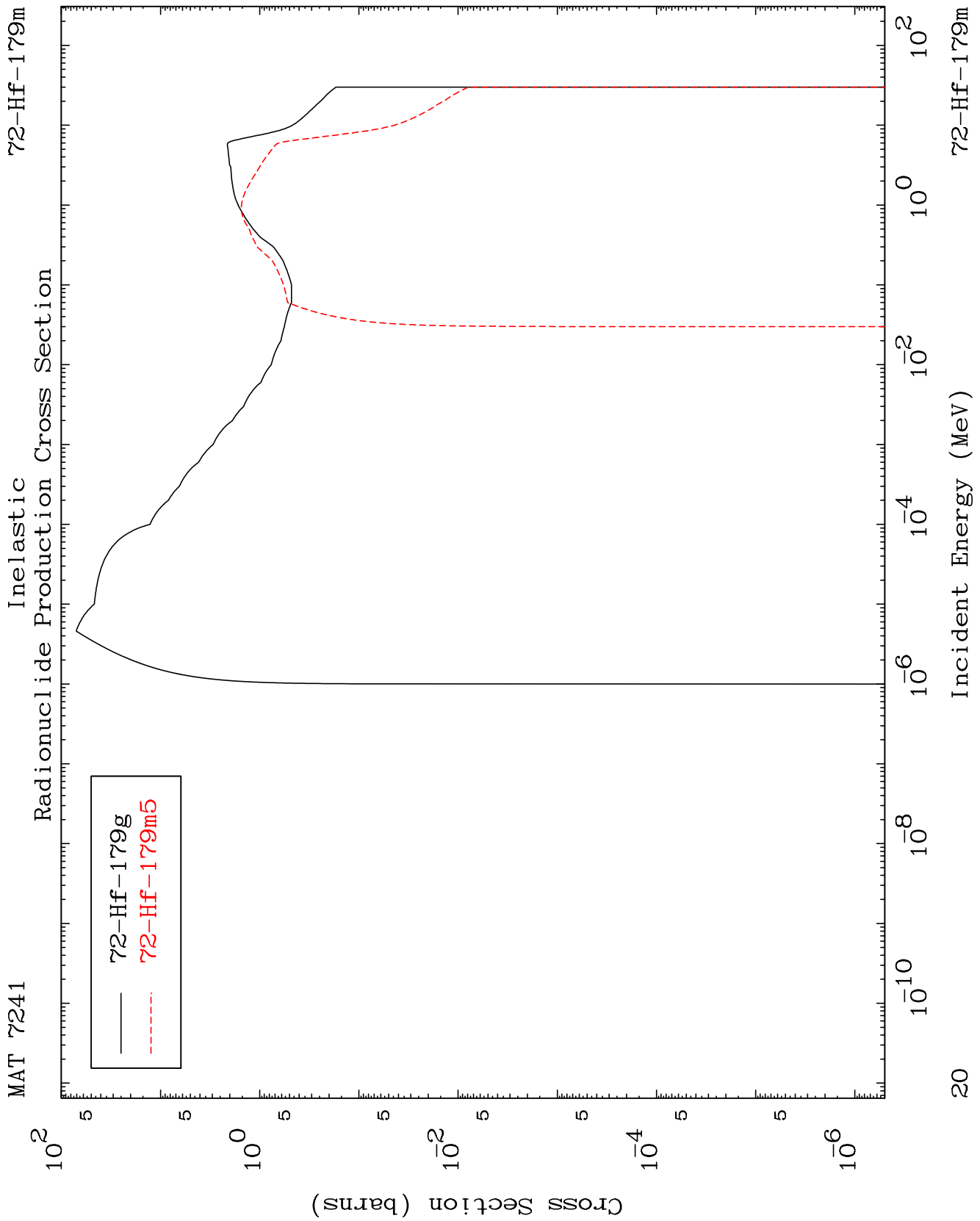
25

30

19

Incident Energy (MeV)

72-Hf-179m

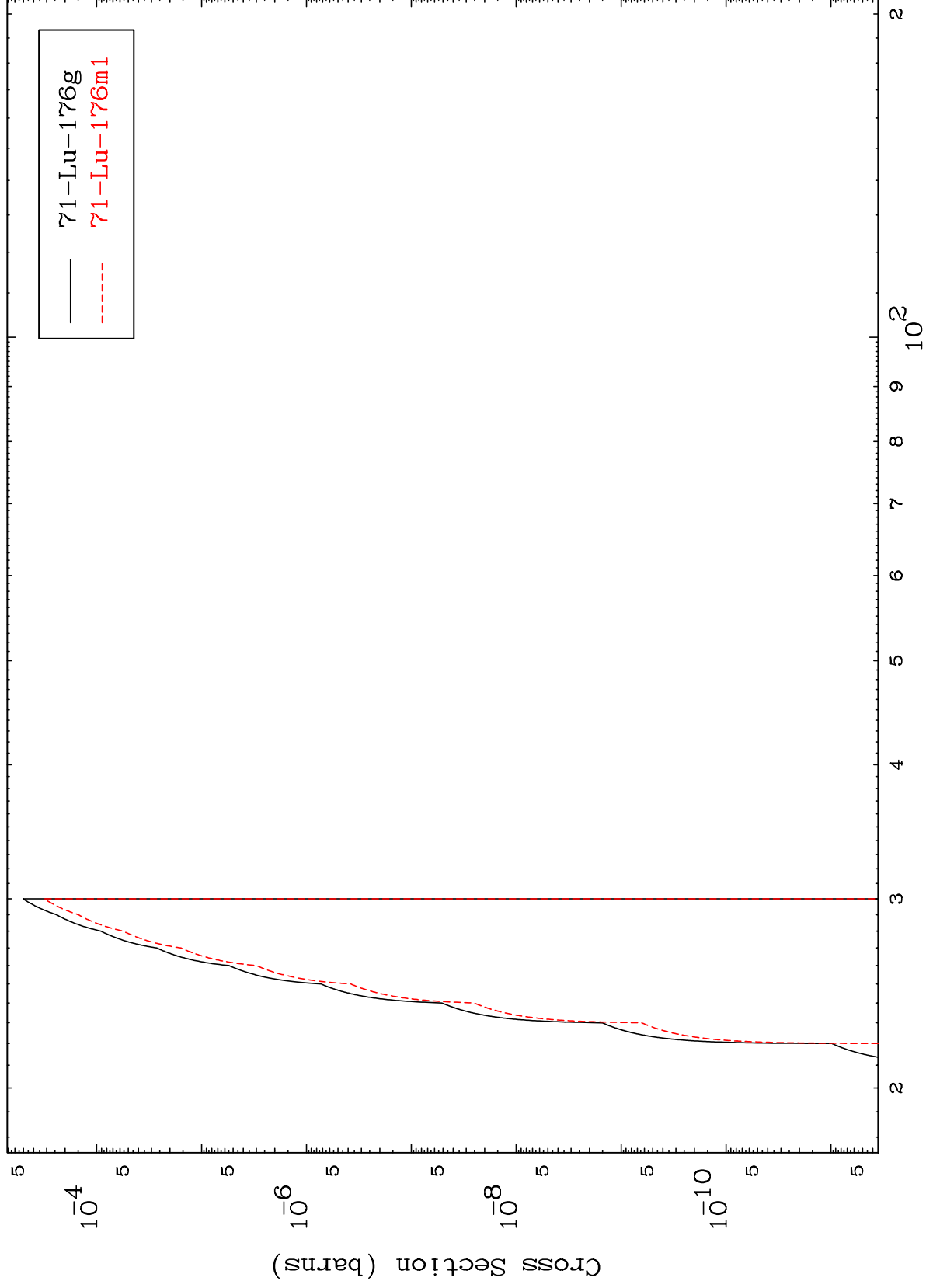


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(n,2n) d

72-Hf-179m

Radionuclide Production Cross Section



21

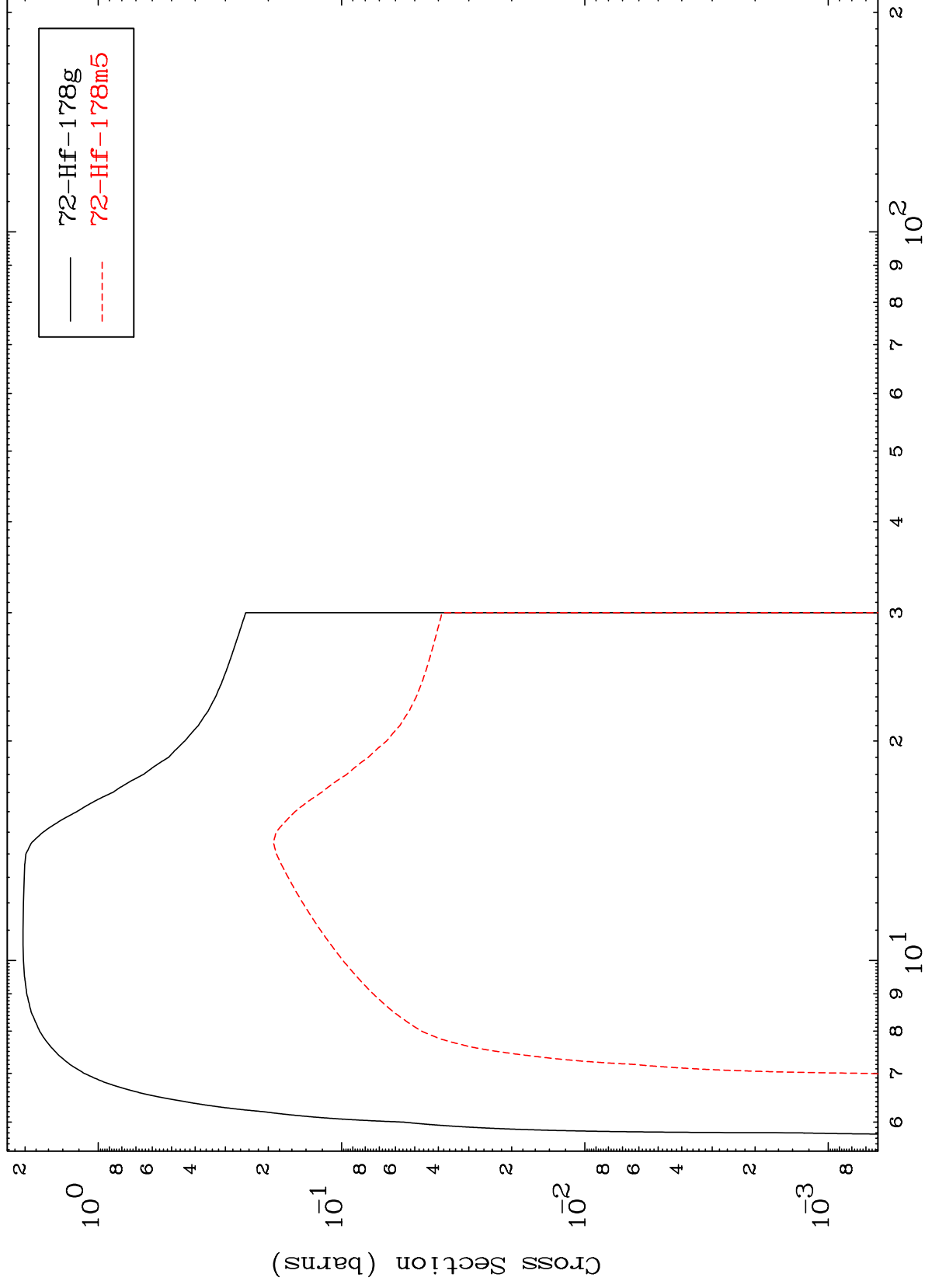
Incident Energy (MeV)

72-Hf-179m

MAT 7241

72-Hf-179m

(n,2n)
Radionuclide Production Cross Section



22

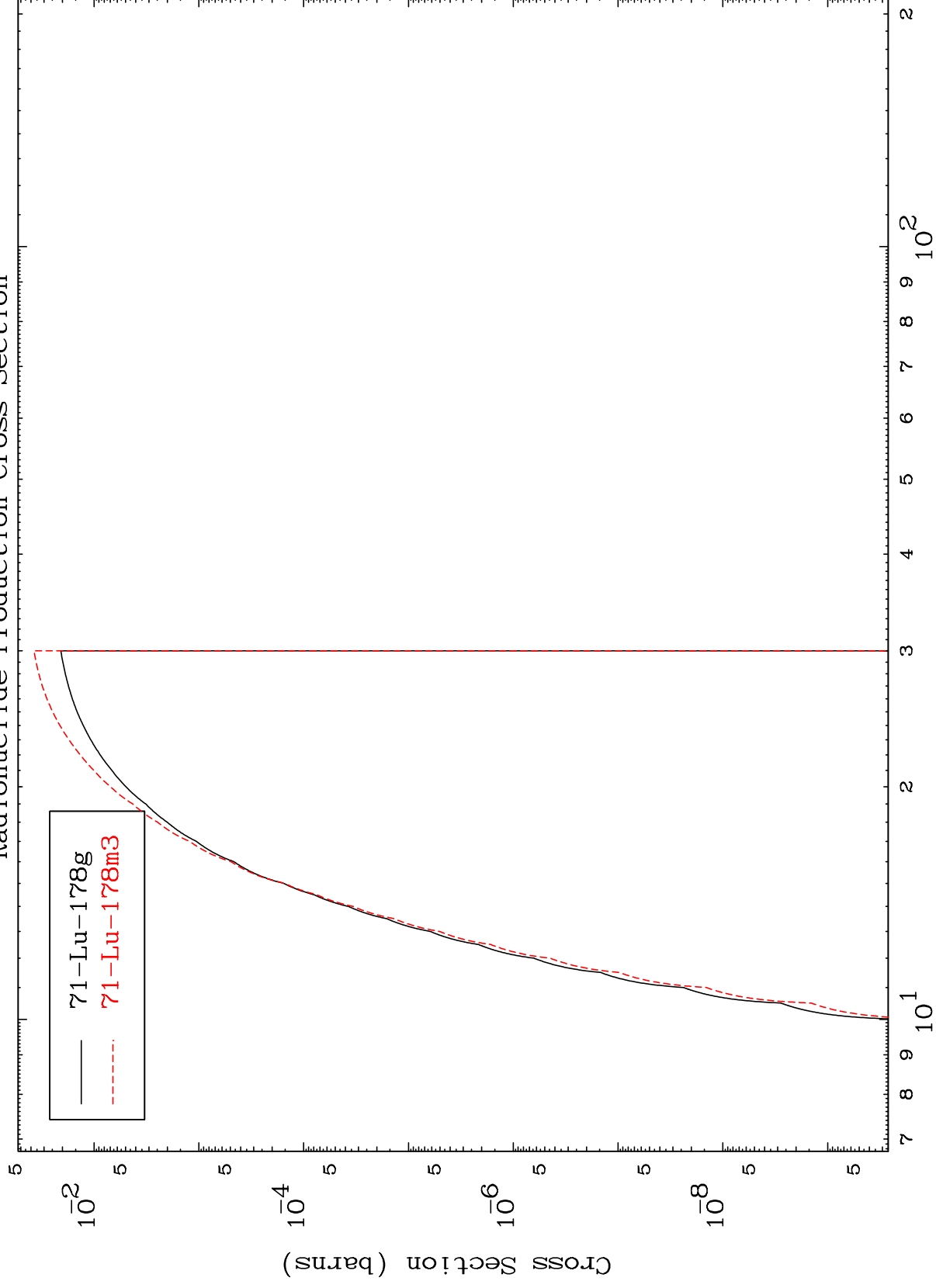
Incident Energy (MeV)

72-Hf-179m

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72-Hf-179m

(n,n') p
Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-179m

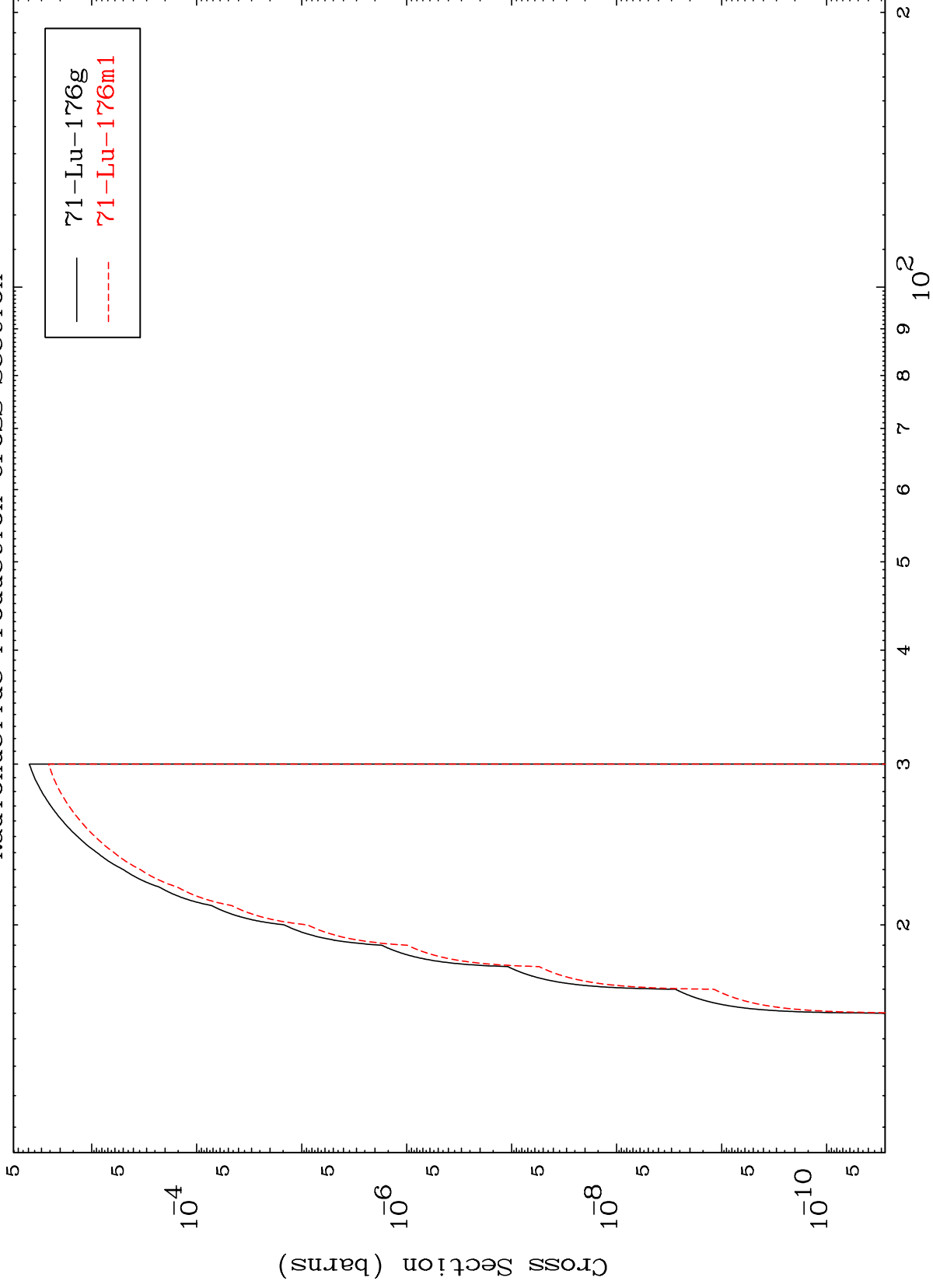
23

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(n,n') t

72-Hf-179m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

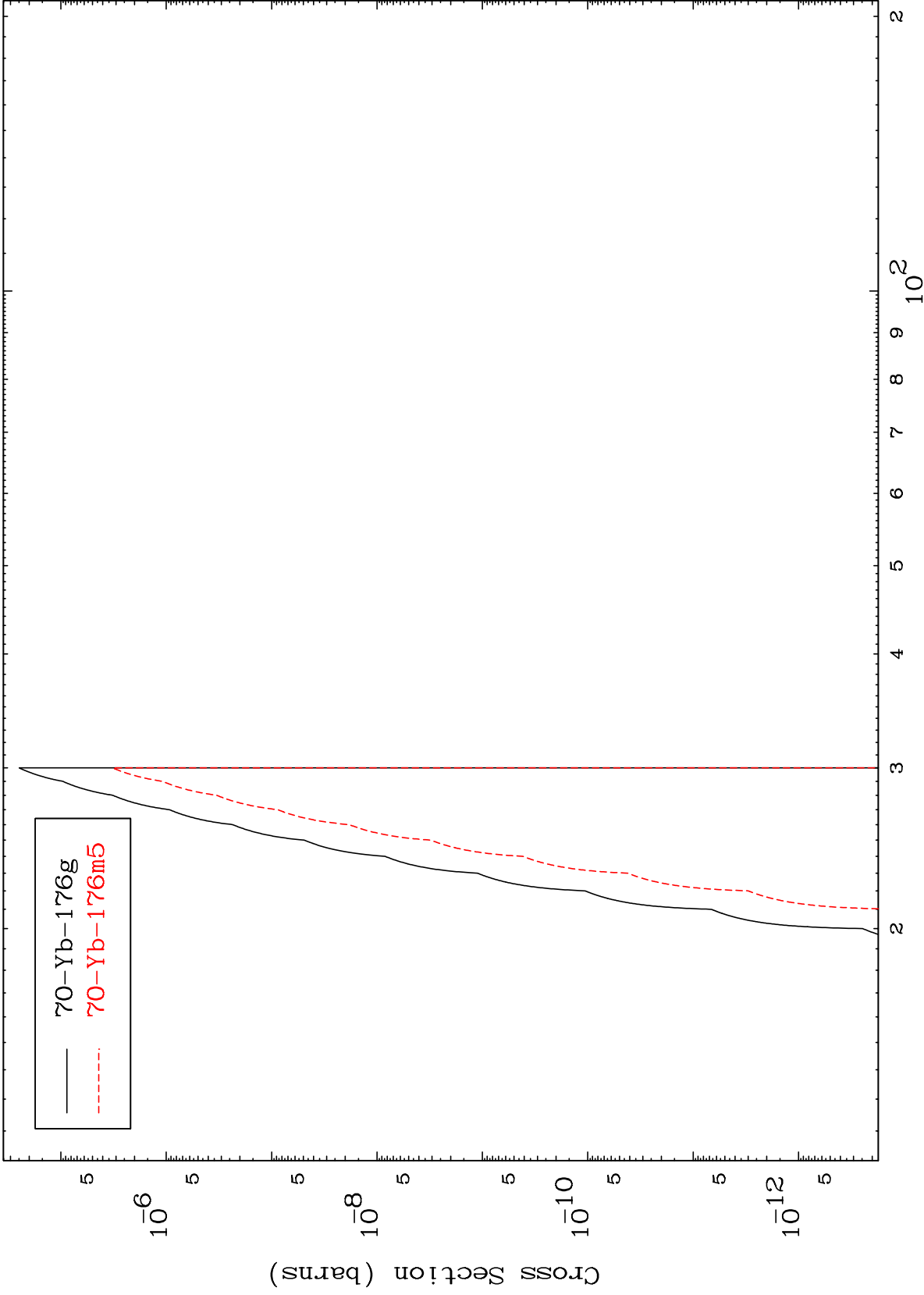
72-Hf-179m

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(n,n') He-3

72-Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-179m

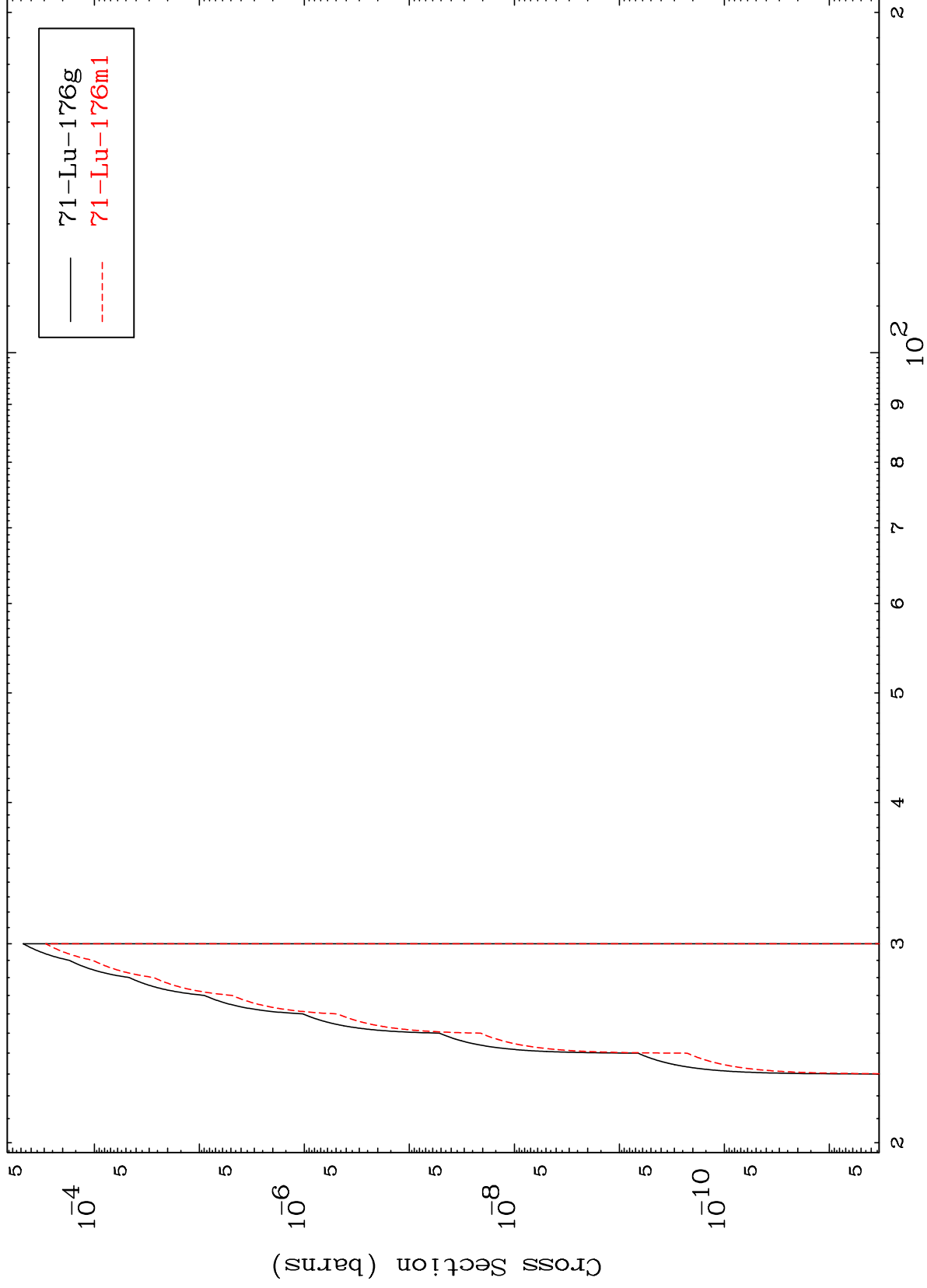
25

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(n,3n) p

72-Hf-179m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

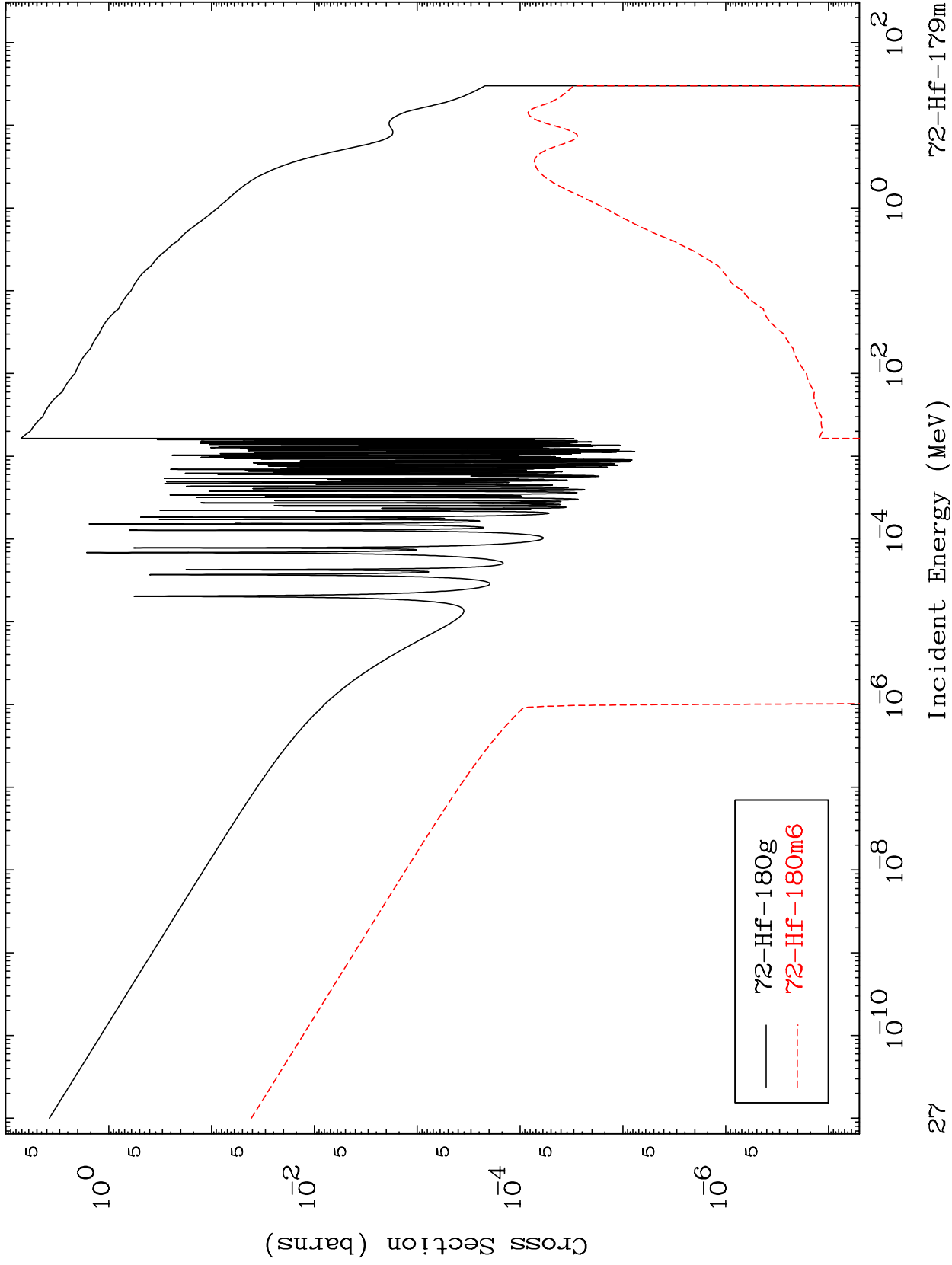
72-Hf-179m

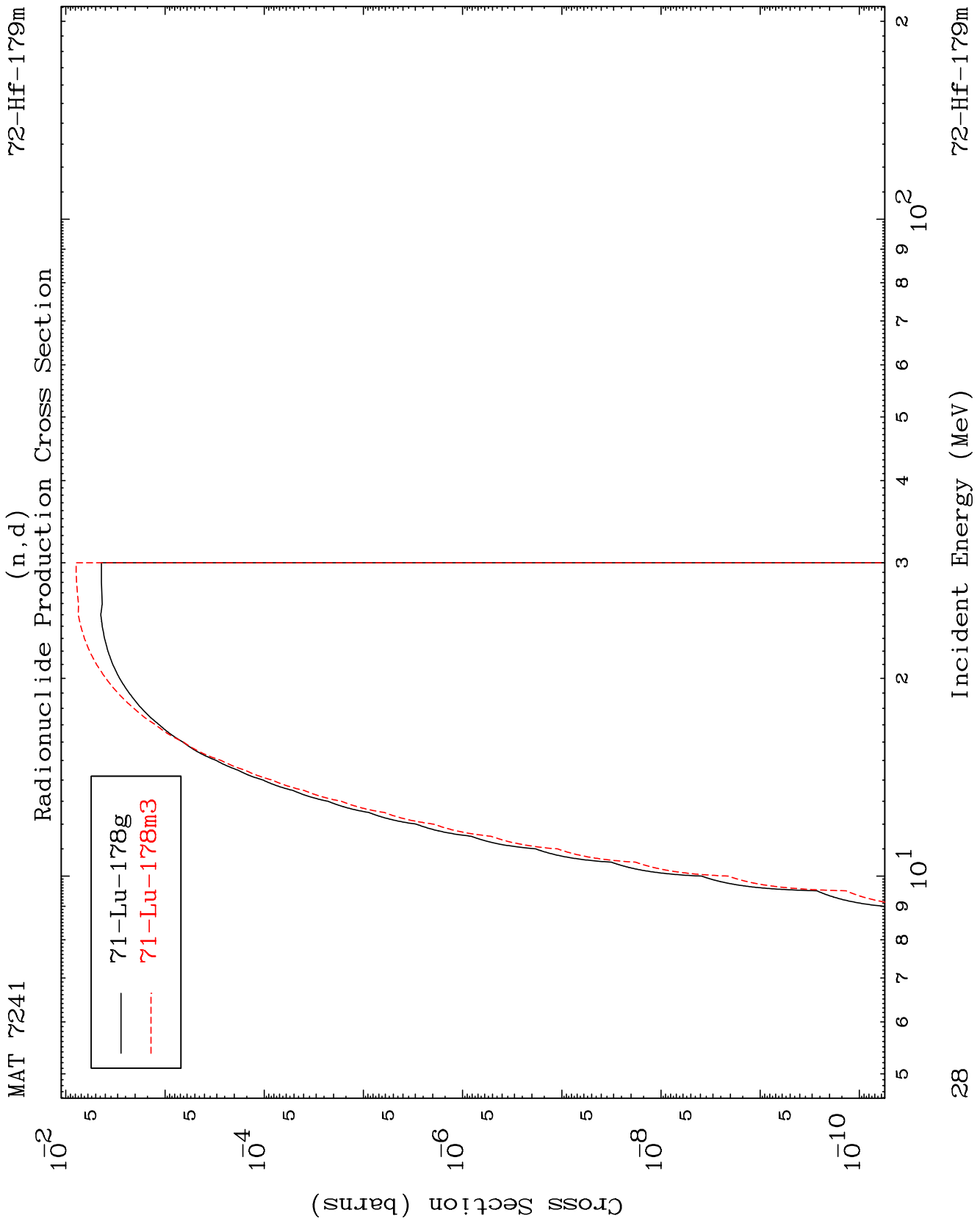
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⁷²Hf-179m

Radionuclide Production Cross Section

(n,γ)



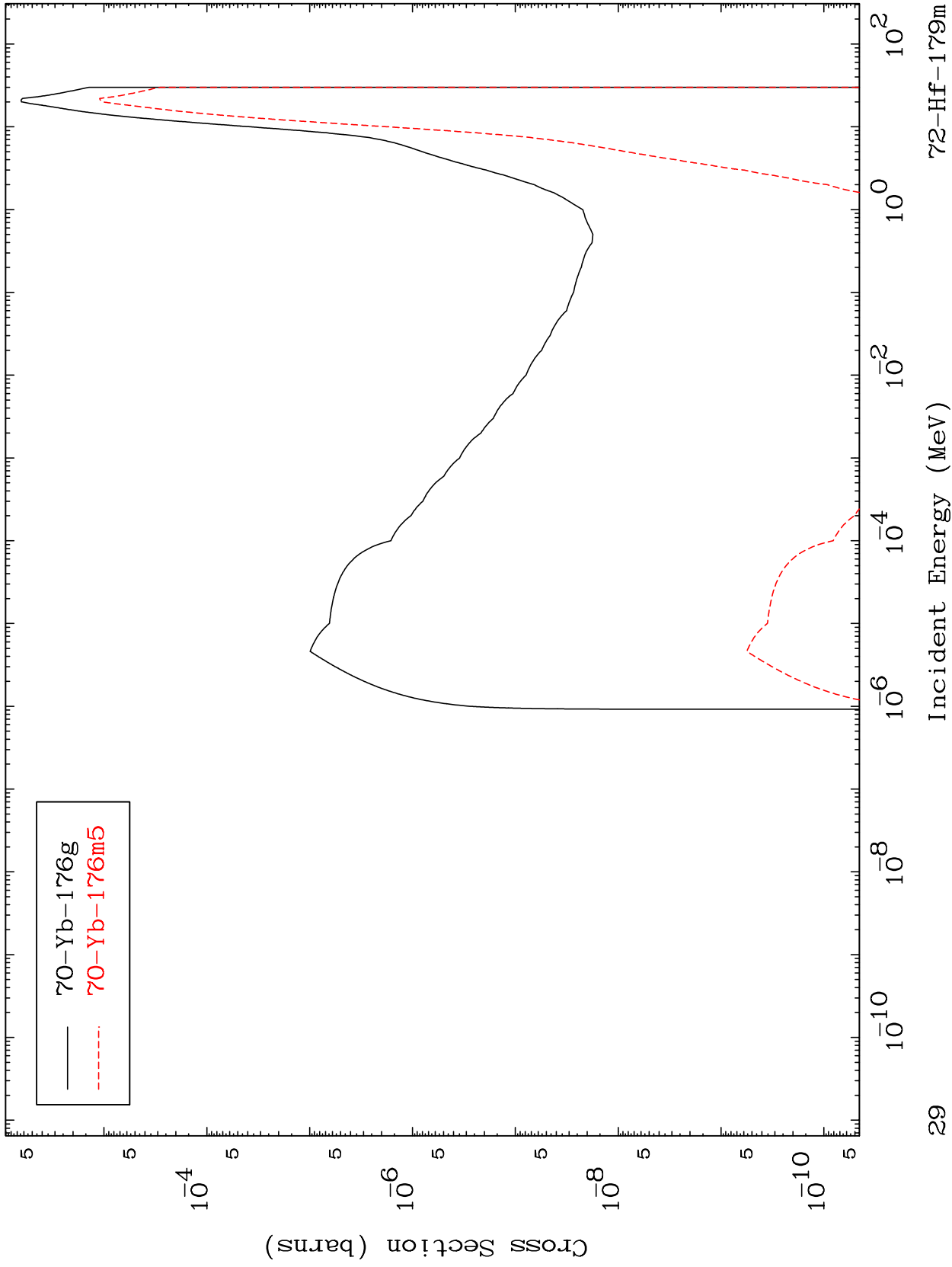


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(n, α)

⁷²Hf-179m

Radionuclide Production Cross Section

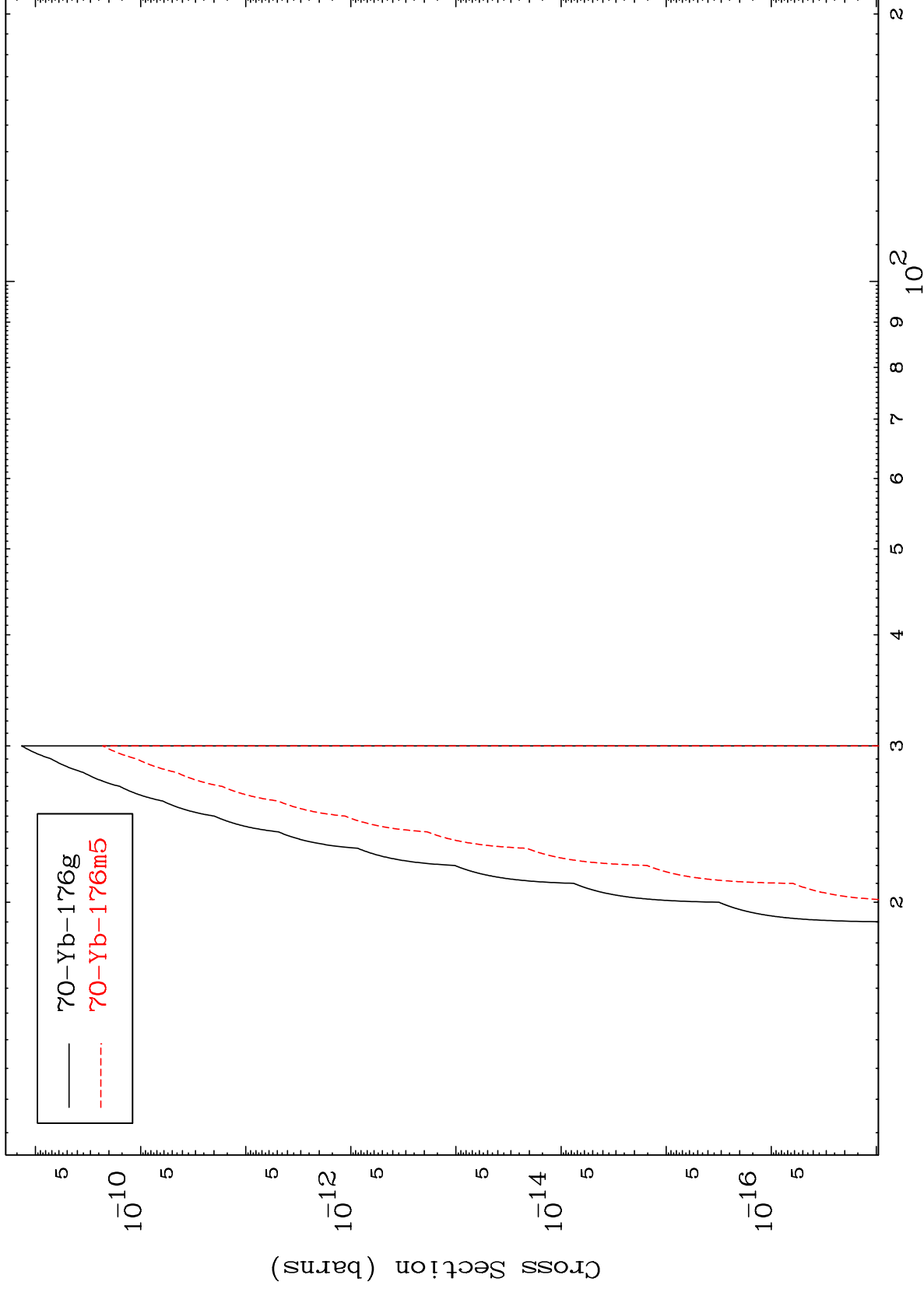


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(n,p) t

⁷²Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-179m

30