

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

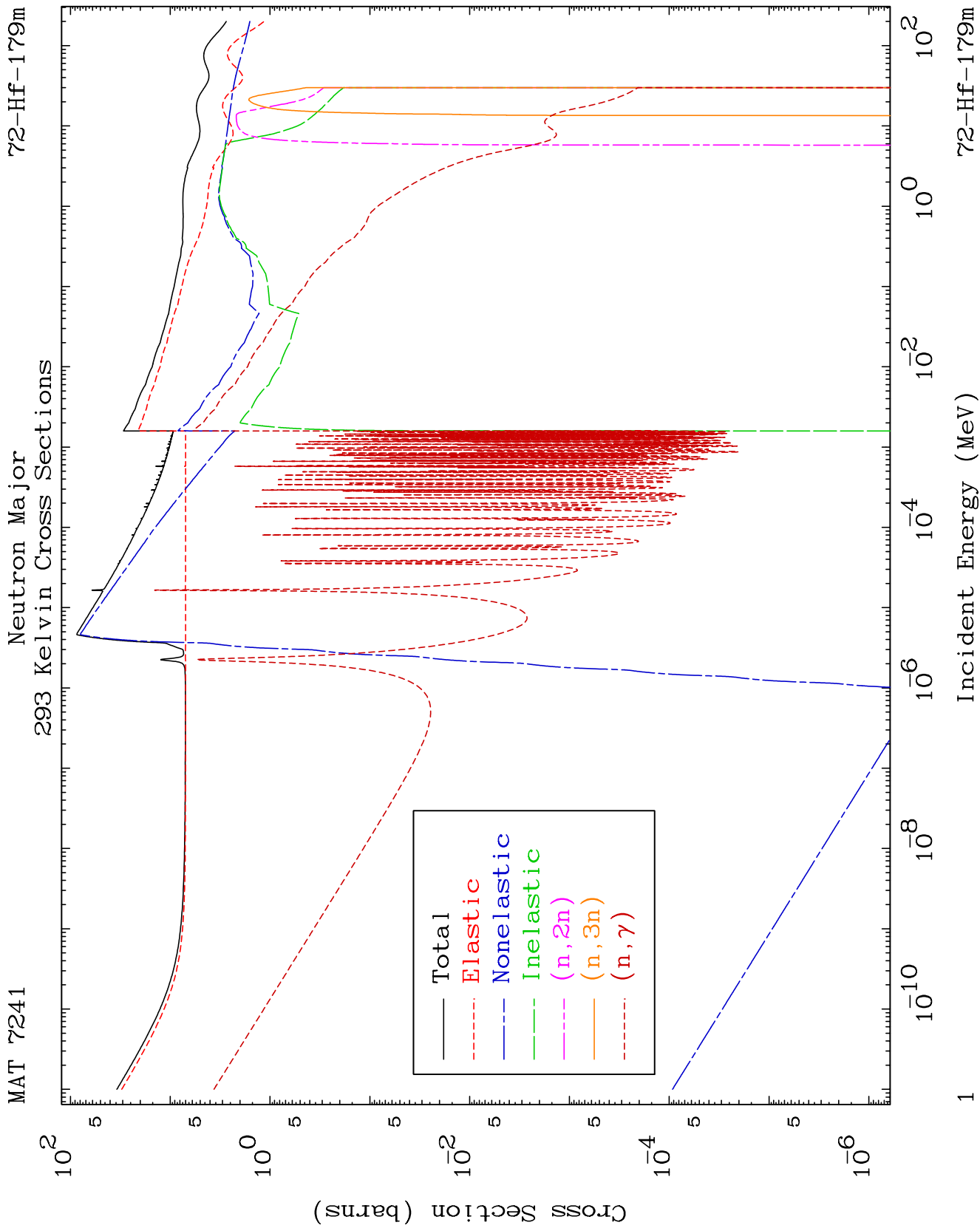
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

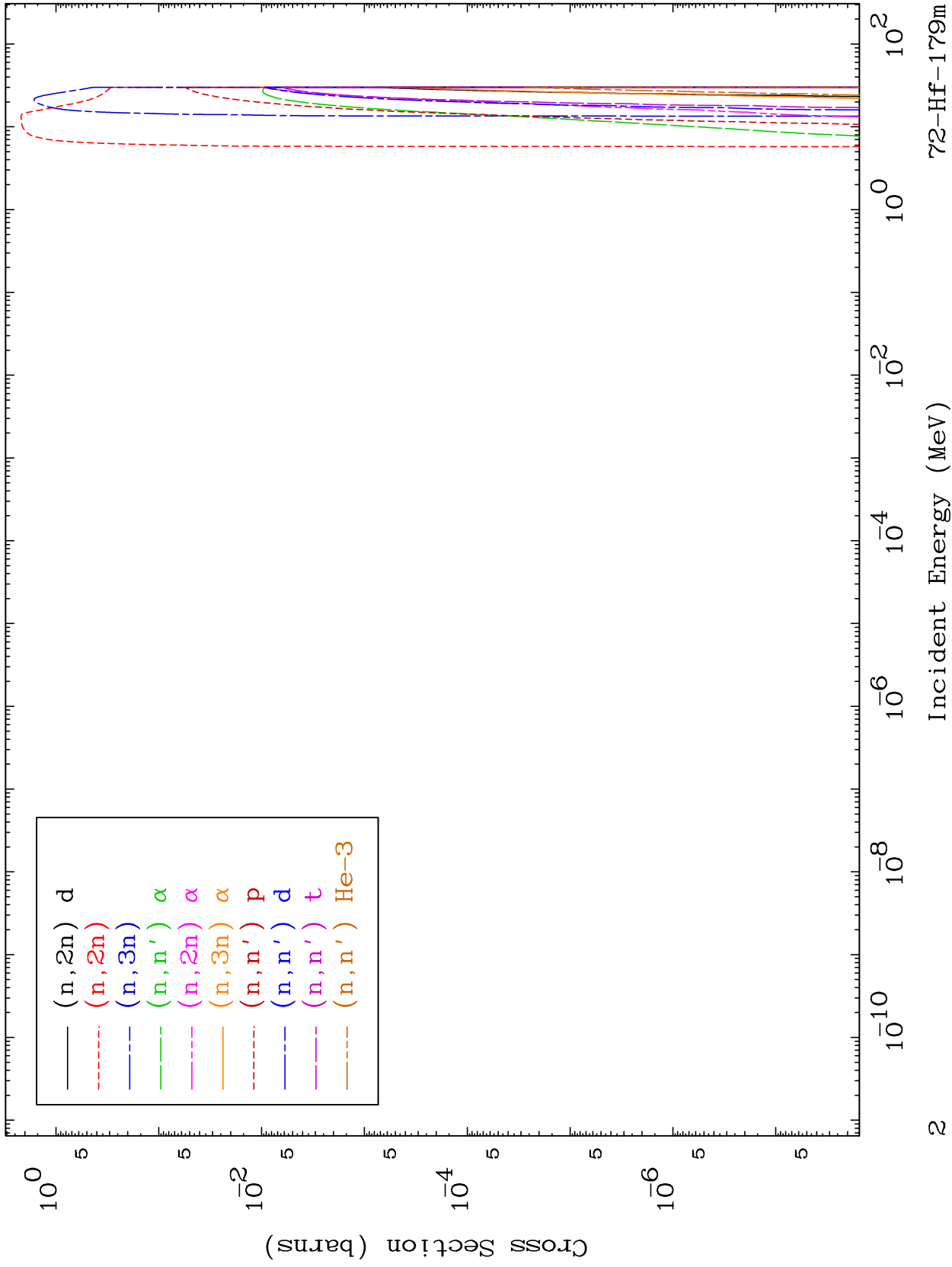
Press Mouse Button to Start



MAT 7241

Neutron Absorption
293 Kelvin Cross Sections

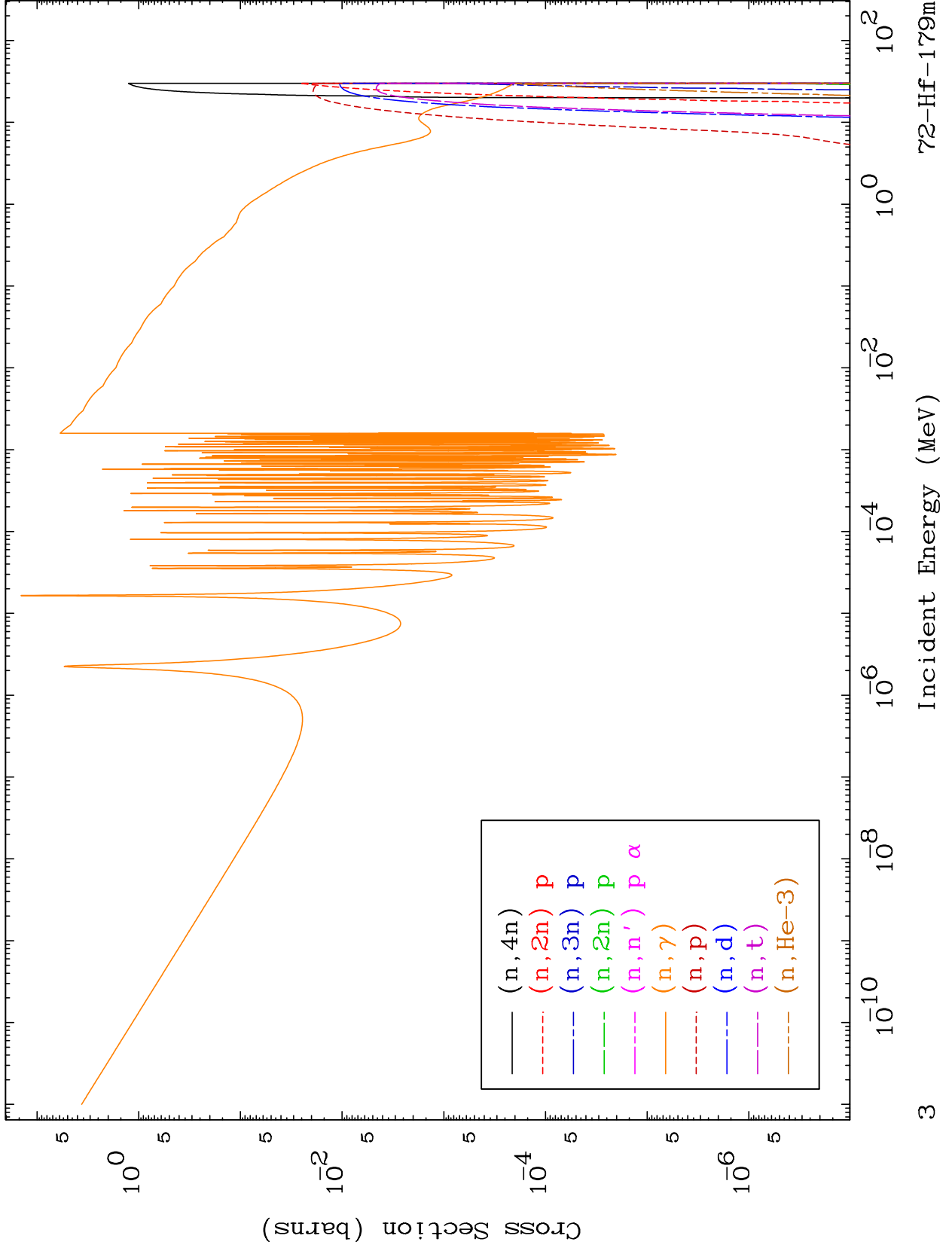
72-Hf-179m



MAT 7241

Neutron Absorption
293 Kelvin Cross Sections

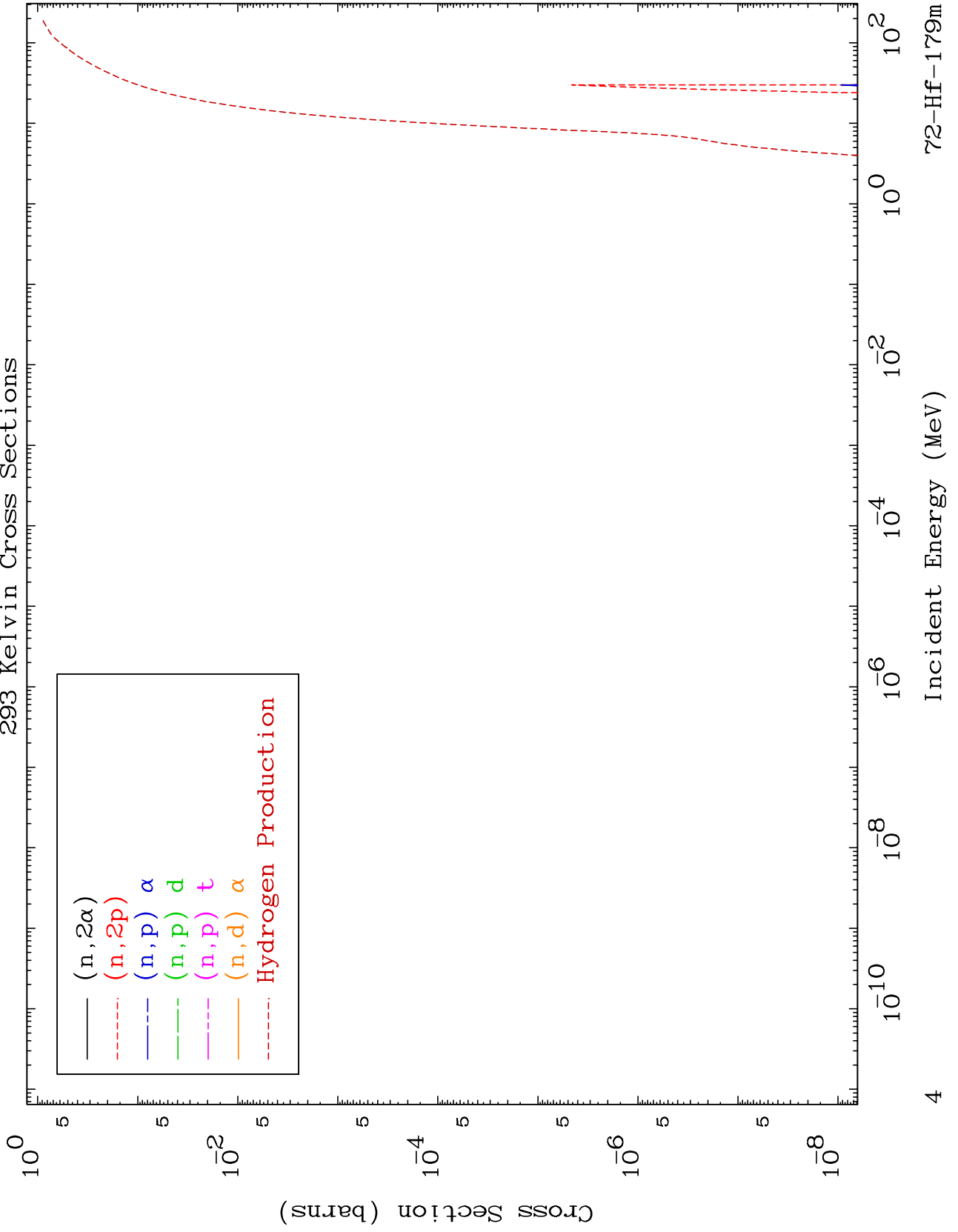
72-Hf-179m



MAT 7241

Neutron Absorption
293 Kelvin Cross Sections

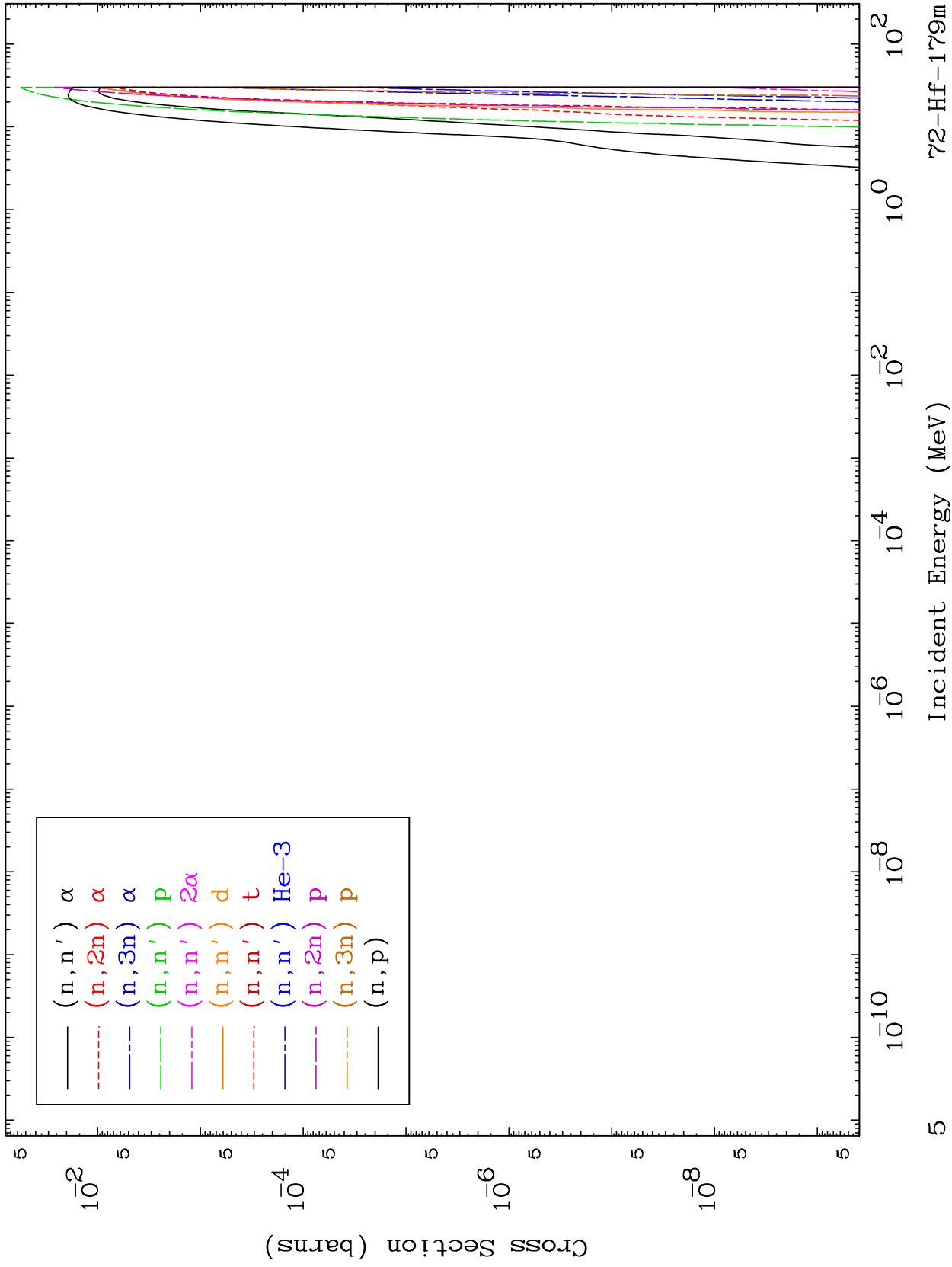
⁷²Hf-179m

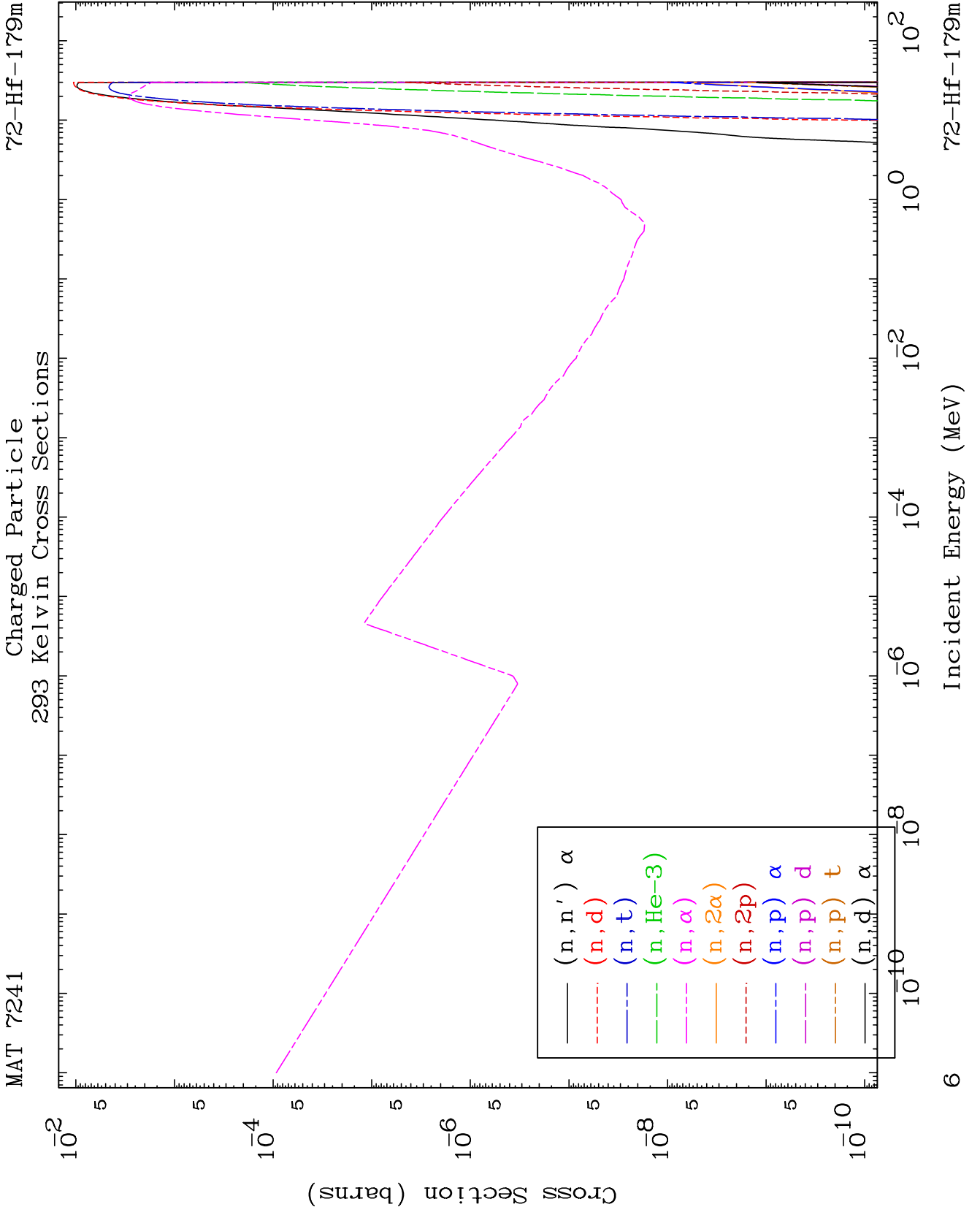


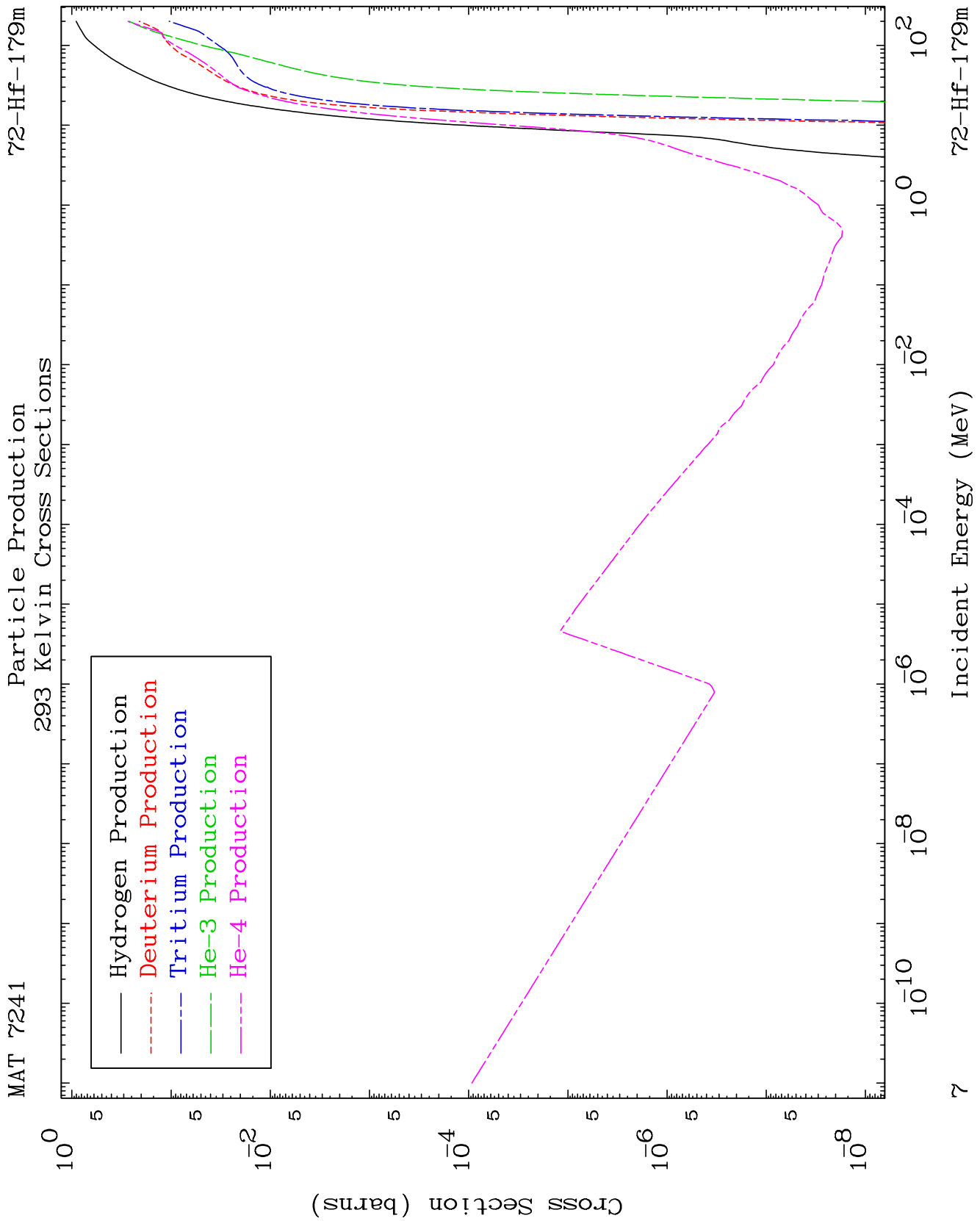
MAT 7241

Charged Particle
293 Kelvin Cross Sections

72-Hf-179m



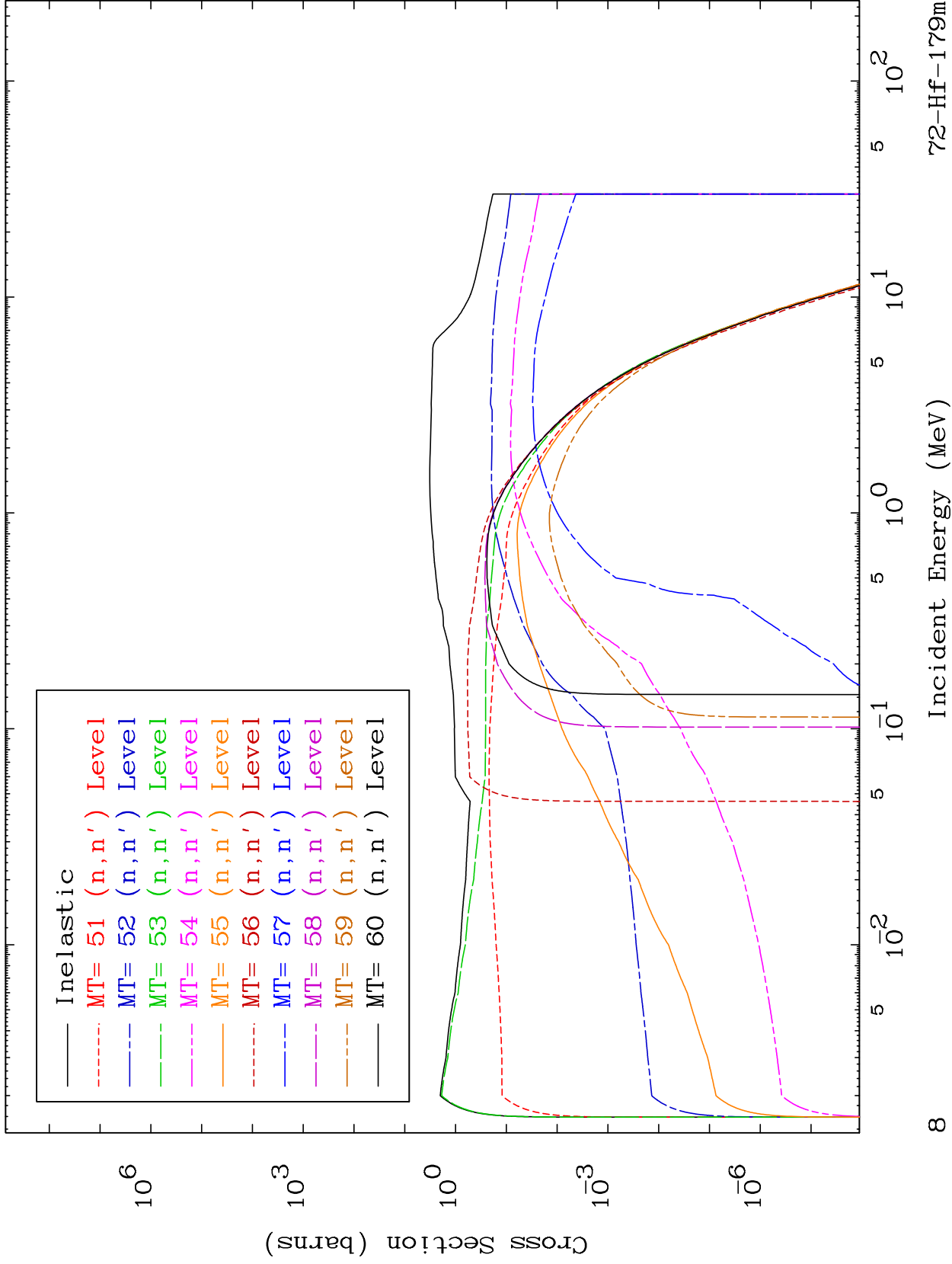




MAT 7241

(n,n') Levels
293 Kelvin Cross Sections

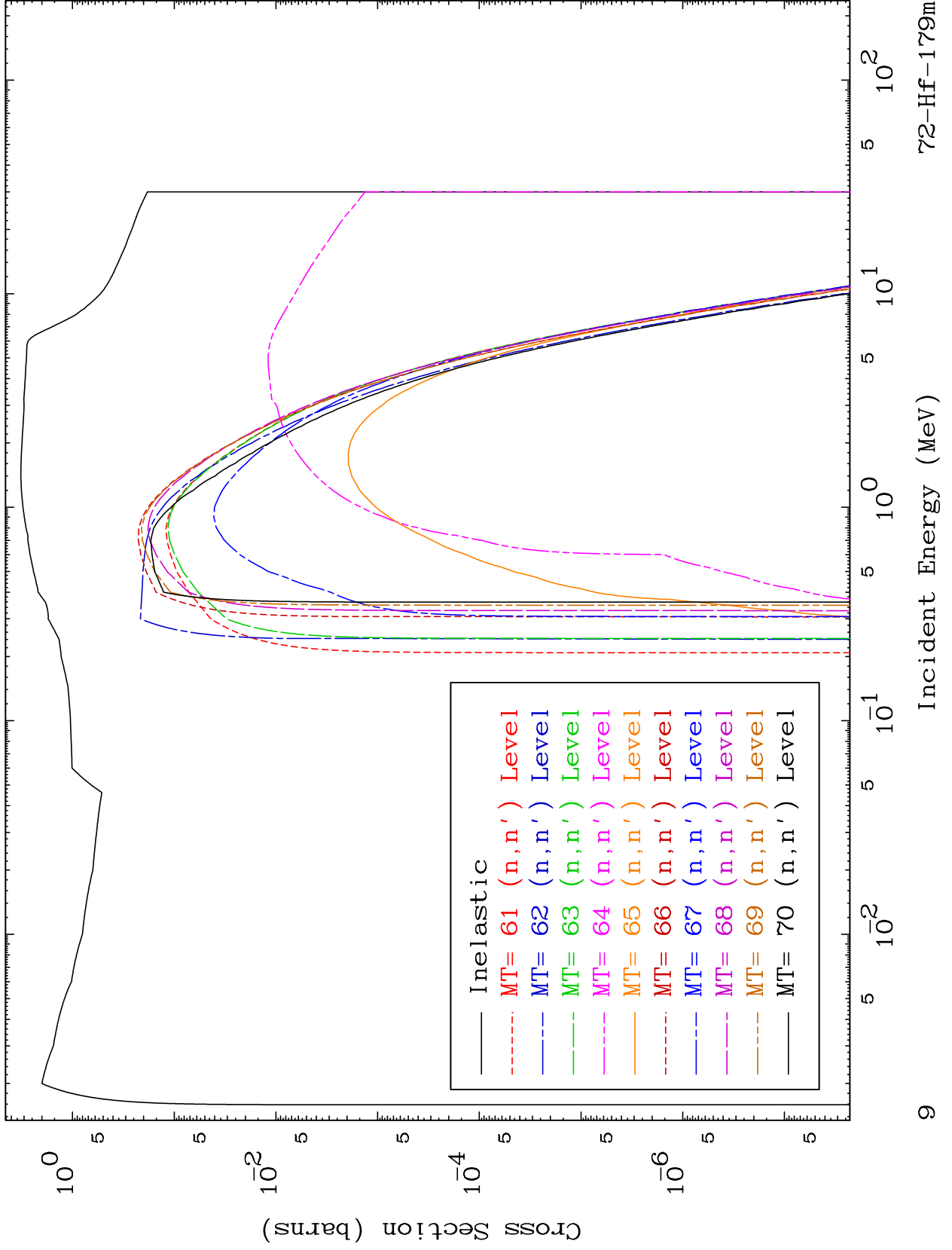
72-Hf-179m



MAT 7241

(n,n') Levels
293 Kelvin Cross Sections

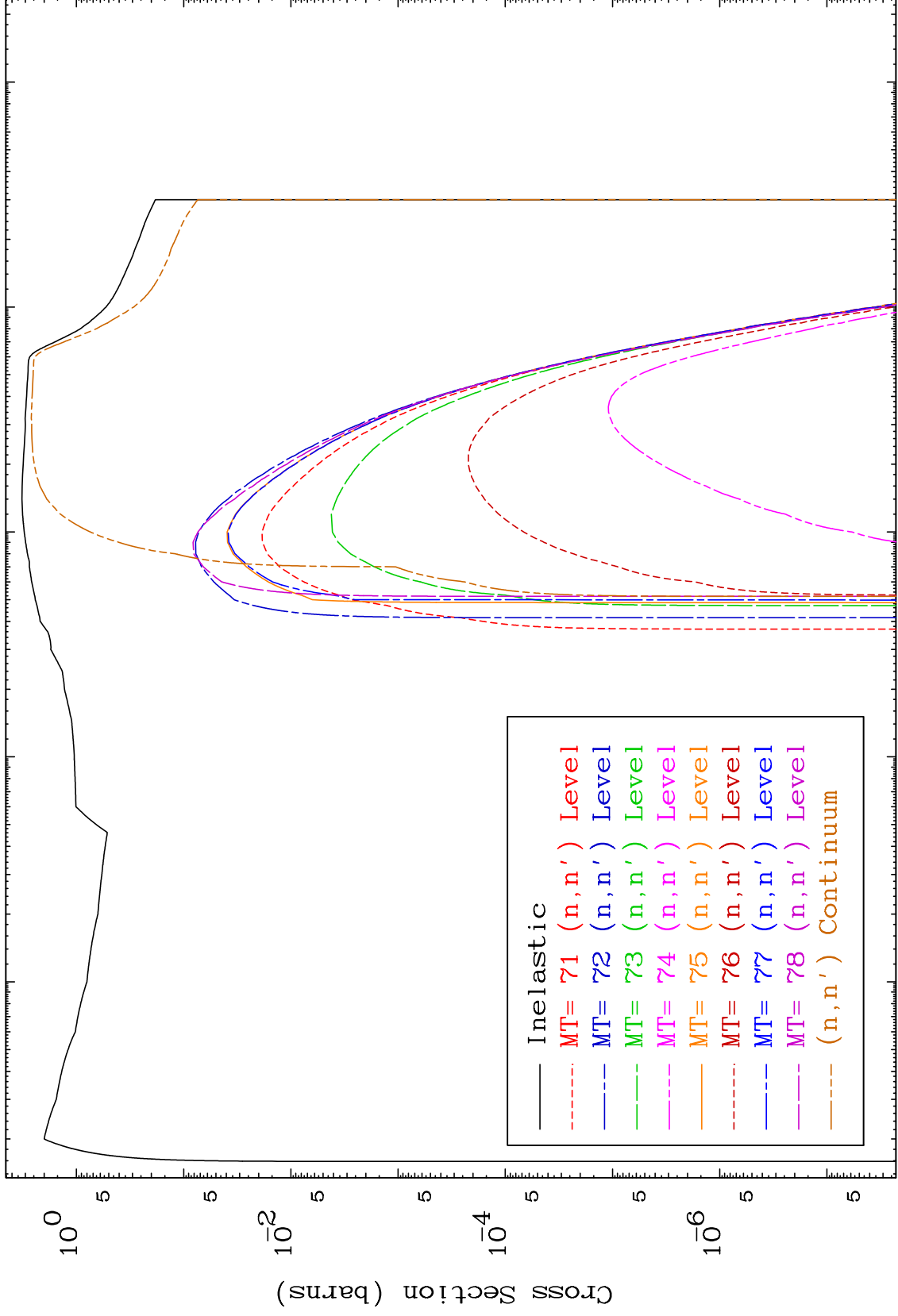
72-Hf-179m



MAT 7241

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-179m



10

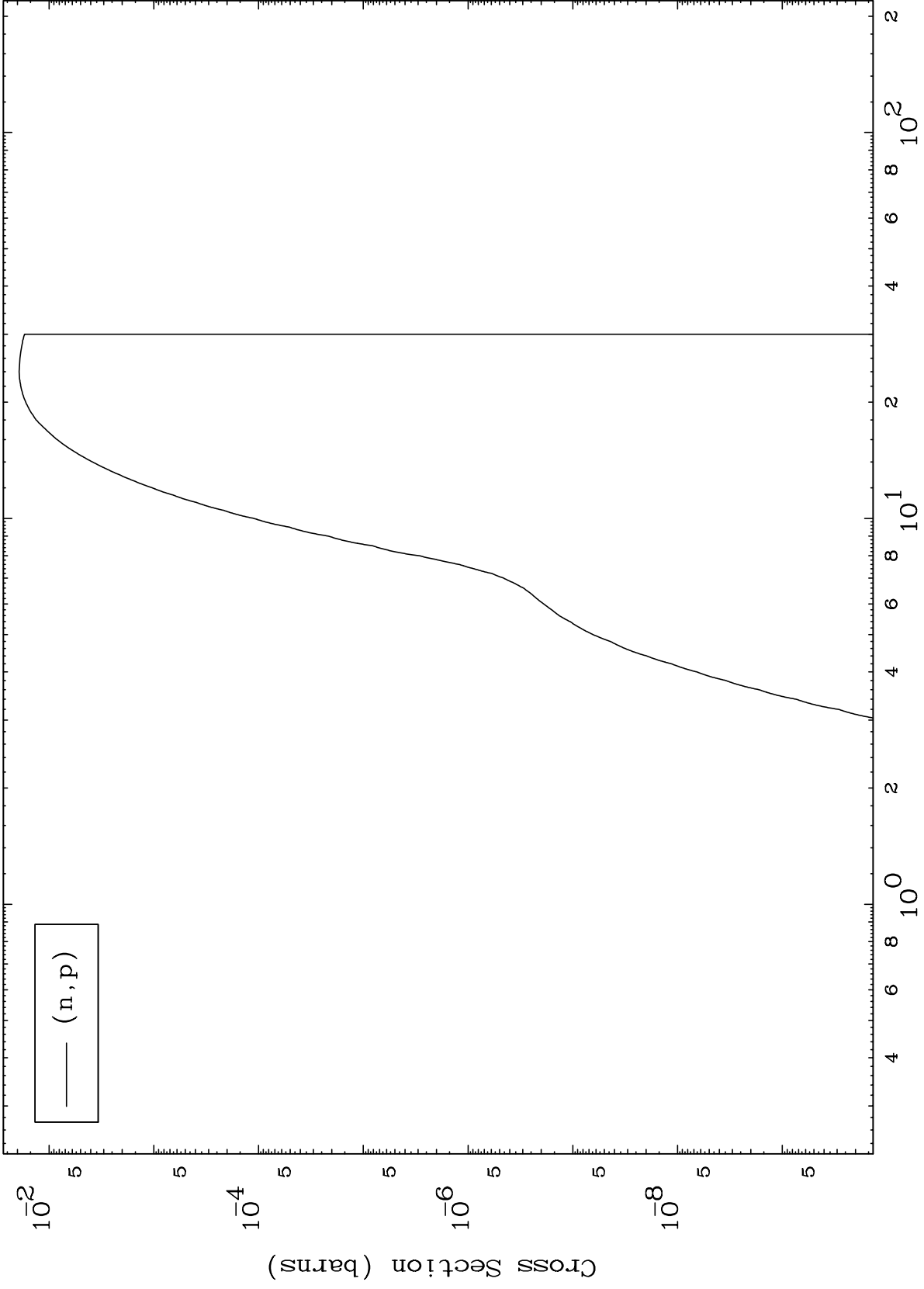
Incident Energy (MeV)

72-Hf-179m

MAT 7241

(n,p) Levels
293 Kelvin Cross Sections

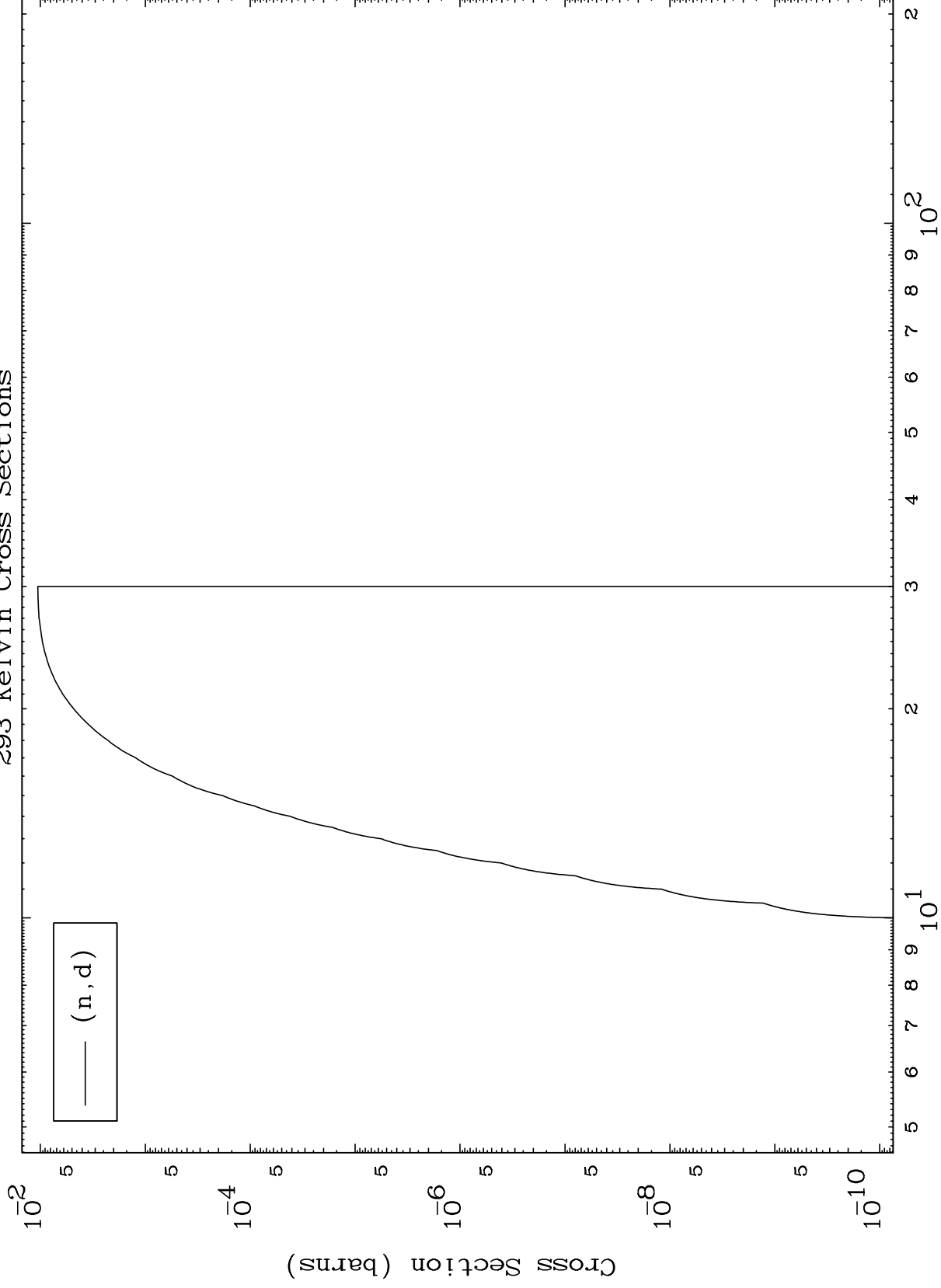
⁷²Hf-179m



MAT 7241

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-179m



12

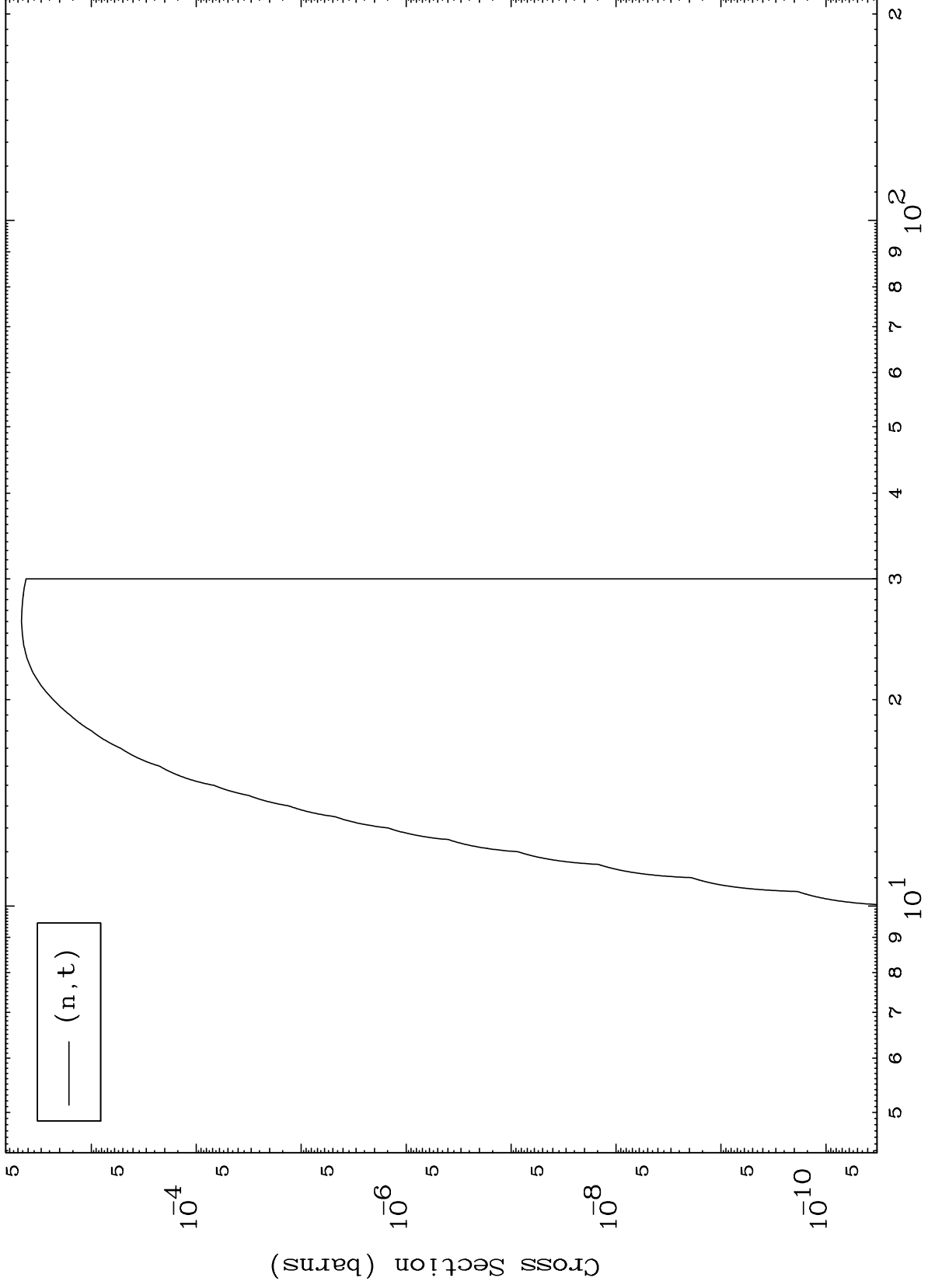
Incident Energy (MeV)

72-Hf-179m

MAT 7241

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-179m



13

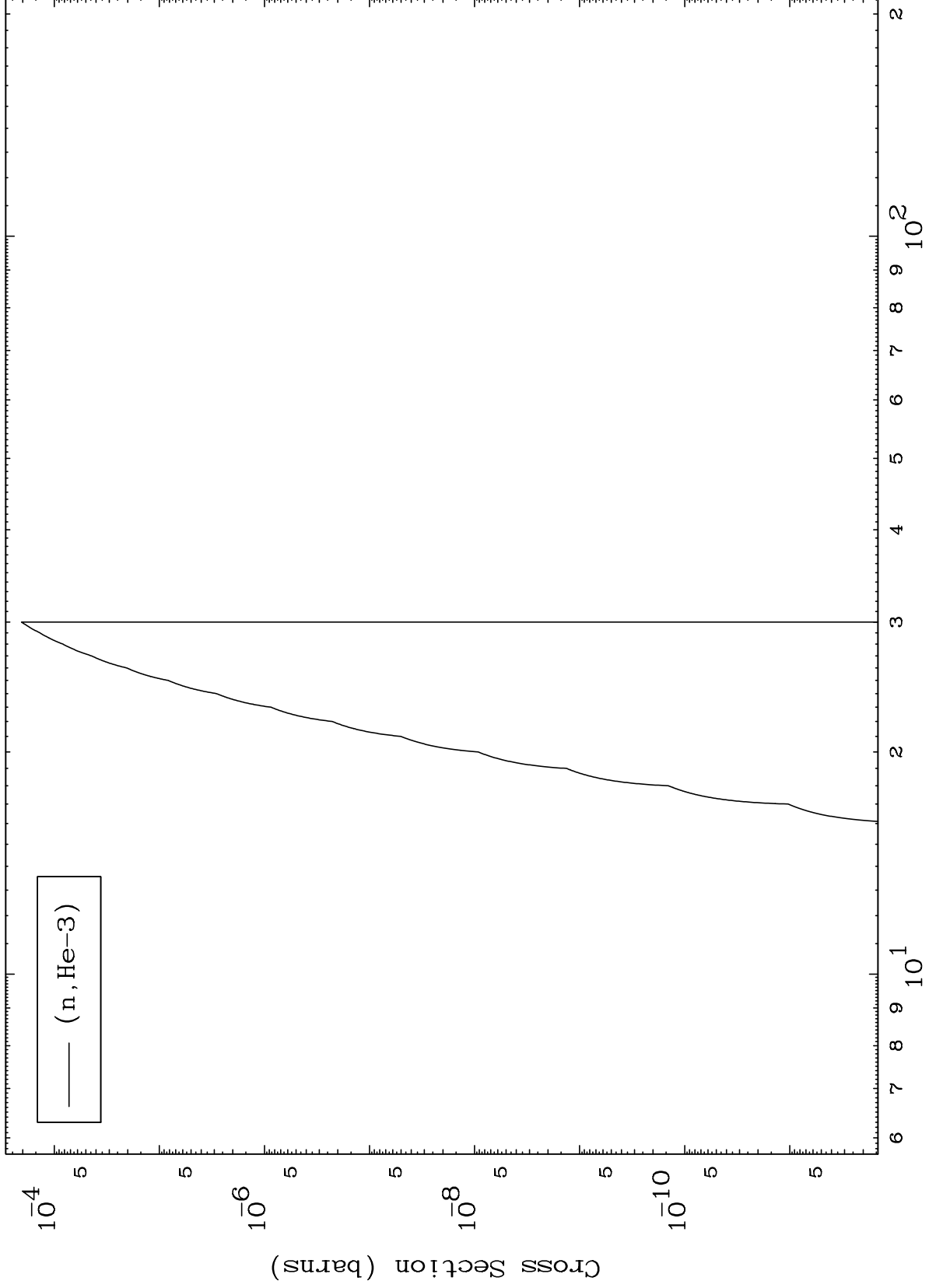
Incident Energy (MeV)

72-Hf-179m

MAT 7241

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-179m



14

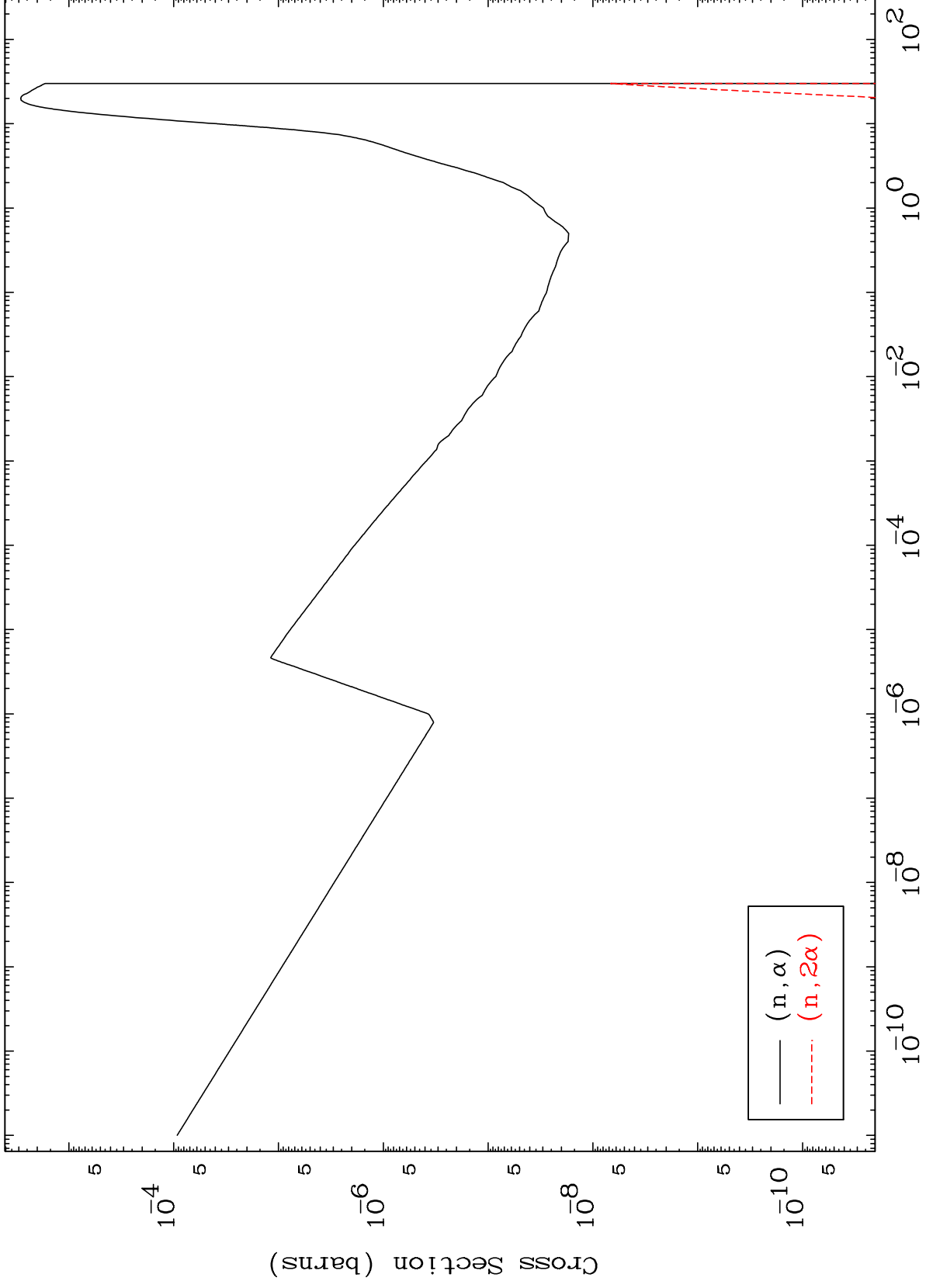
Incident Energy (MeV)

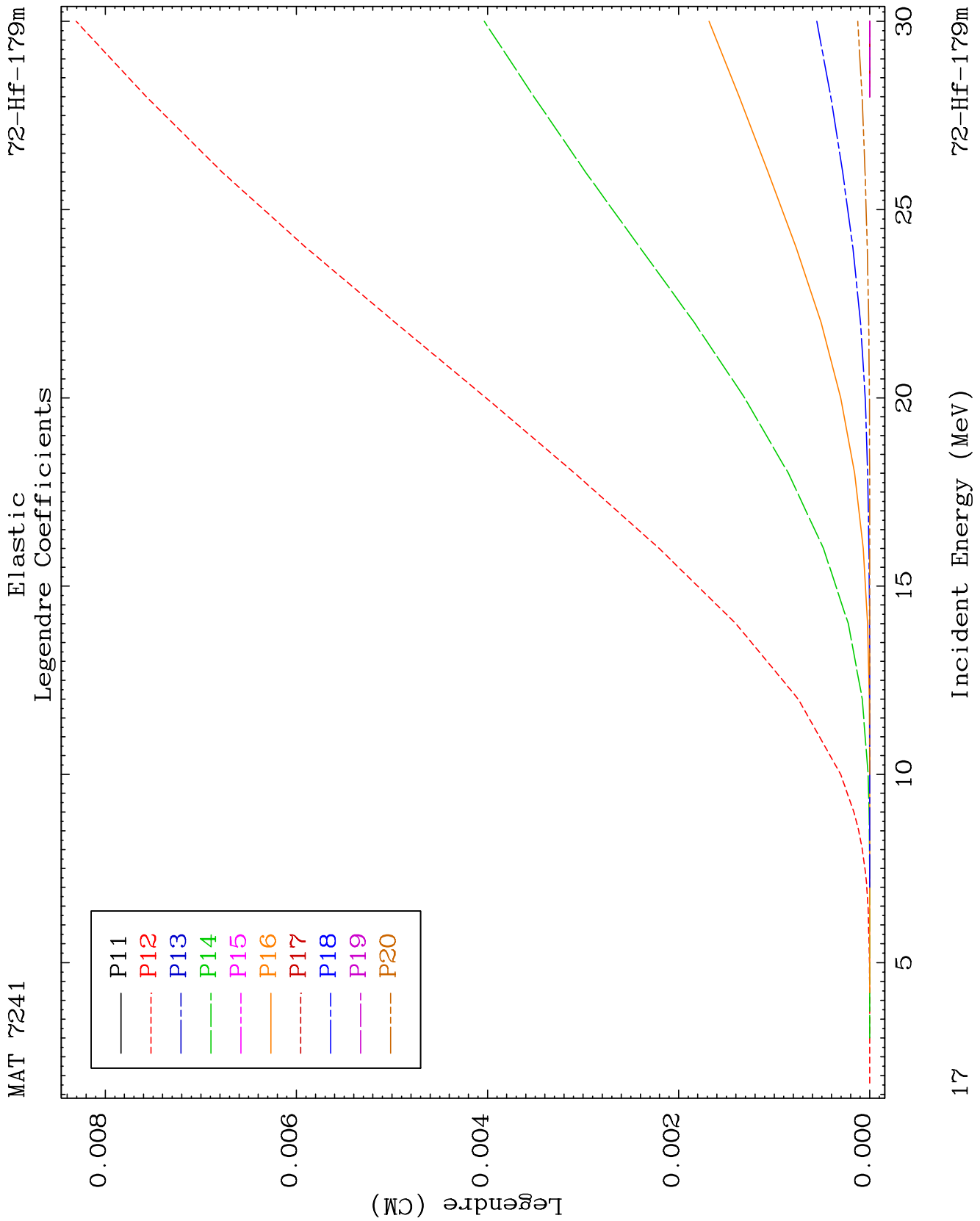
72-Hf-179m

MAT 7241

(n, α) Levels
293 Kelvin Cross Sections

72-Hf-179m

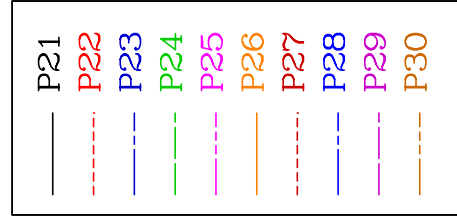




MAT 7241

Elastic
Legendre Coefficients

72-Hf-179m



$\times 10^{-5}$

Legendre (CM)

1.0

0.5

0.0

15

20

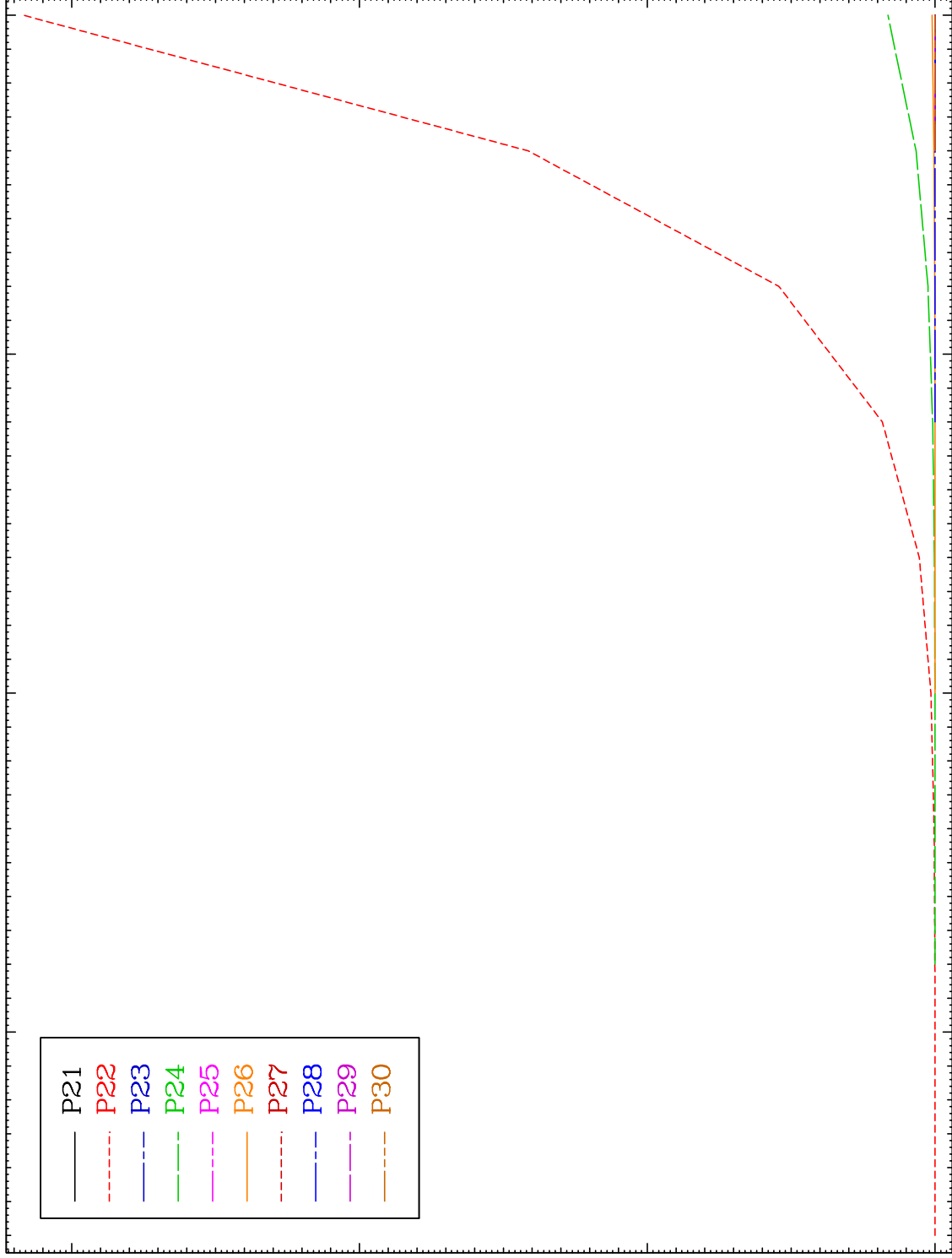
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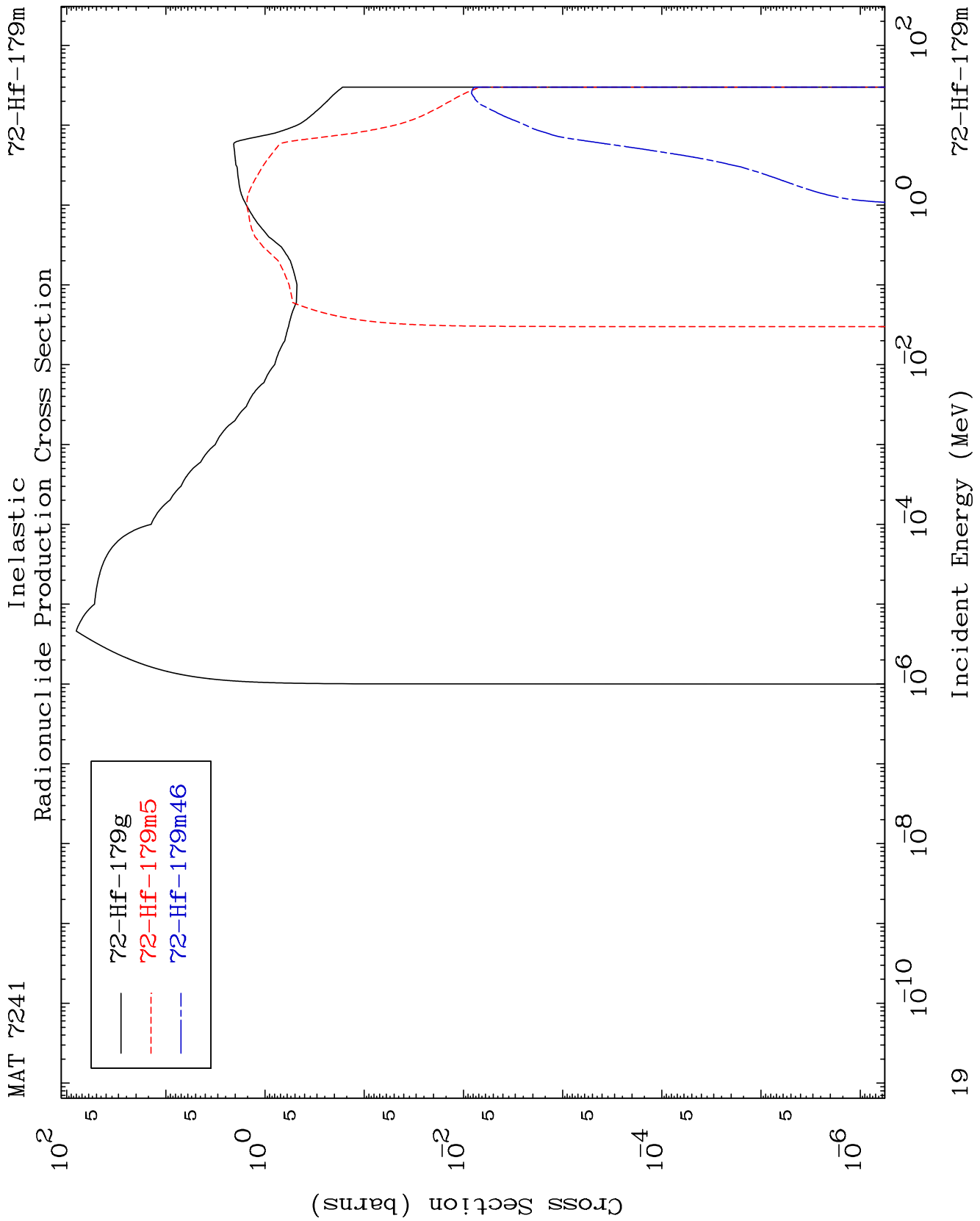
30

18

Incident Energy (MeV)

72-Hf-179m



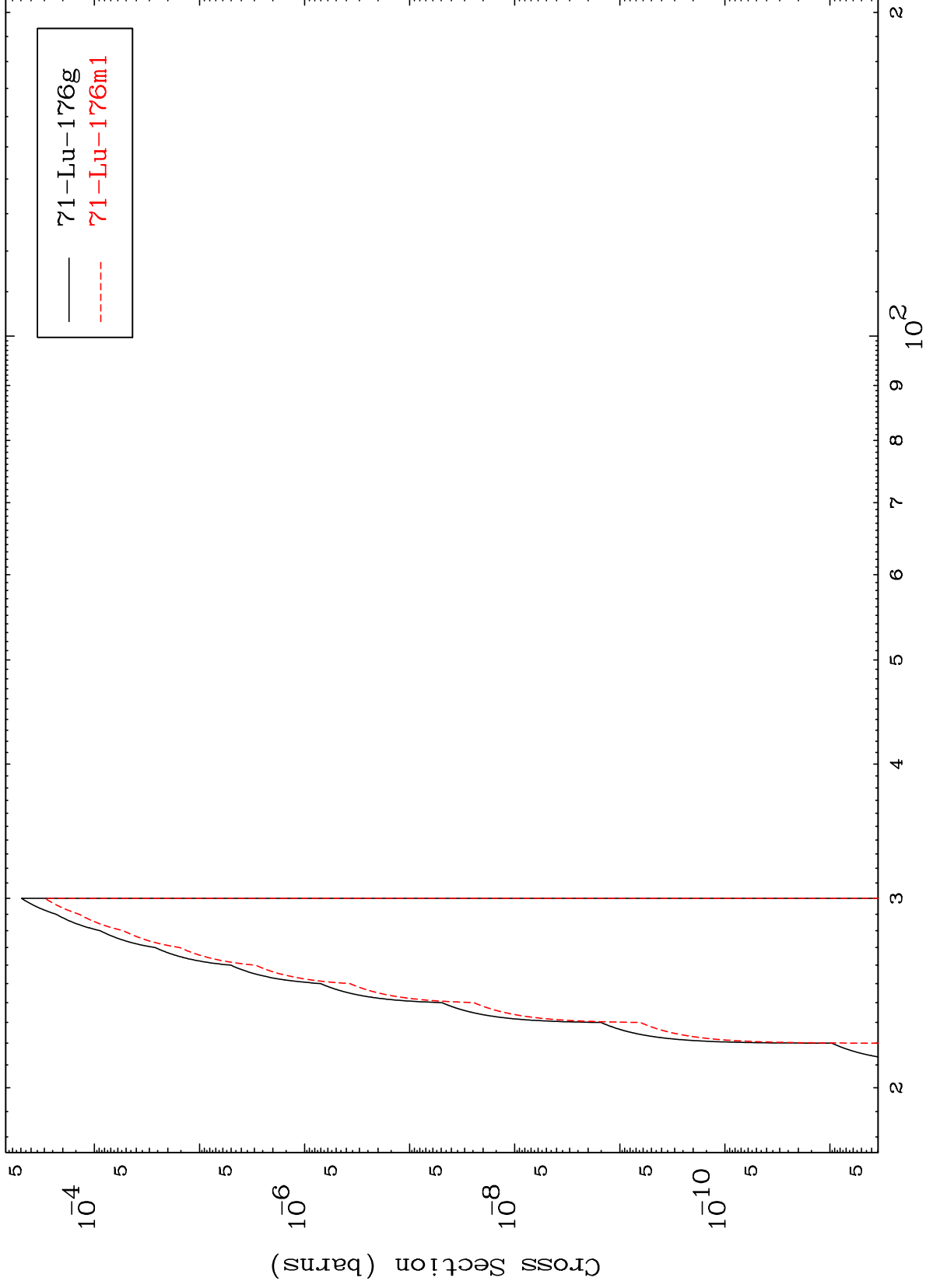


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(n,2n) d

72-Hf-179m

Radionuclide Production Cross Section



20

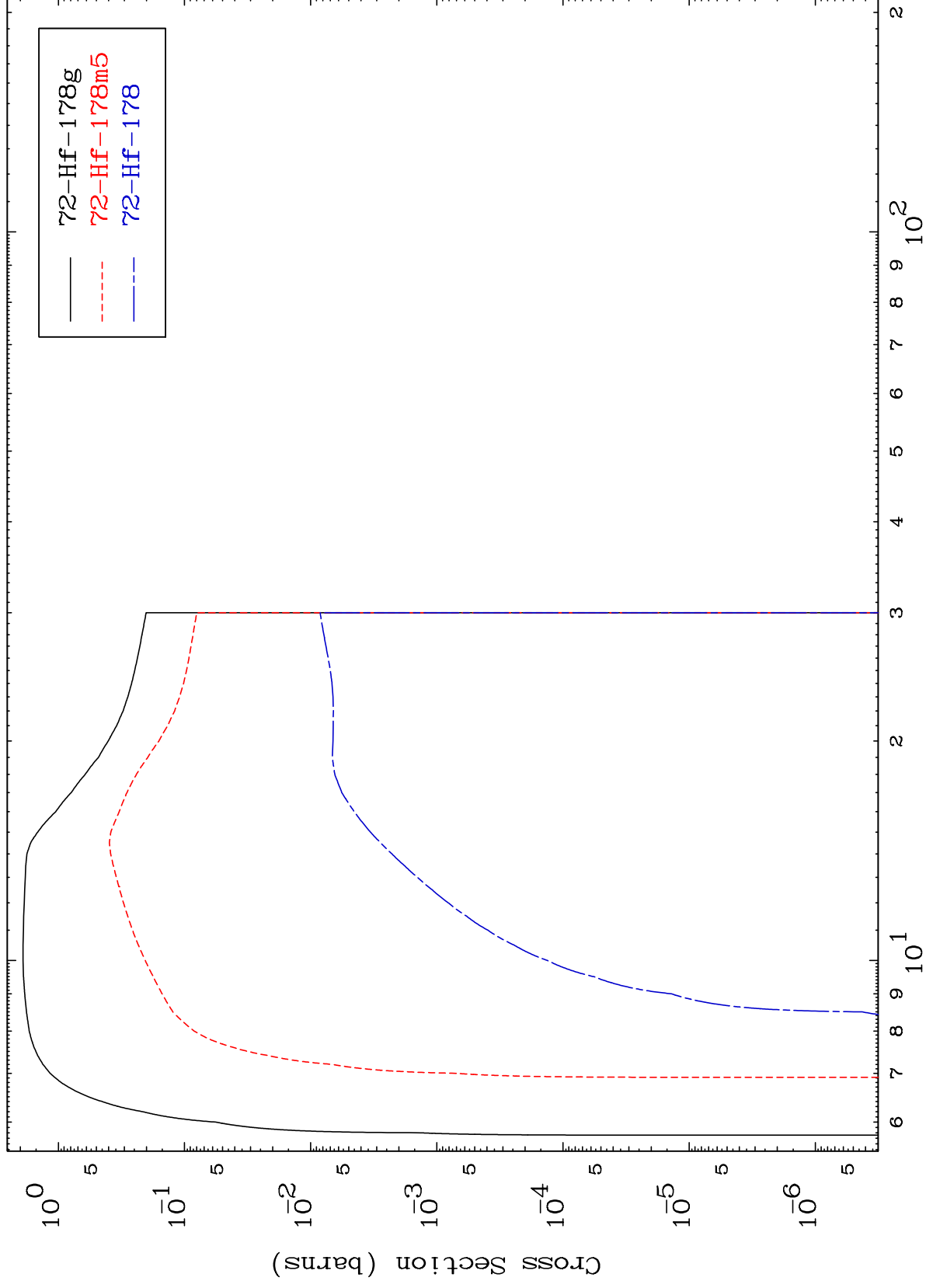
Incident Energy (MeV)

72-Hf-179m

MAT 7241

72-Hf-179m

(n,2n)
Radionuclide Production Cross Section



21

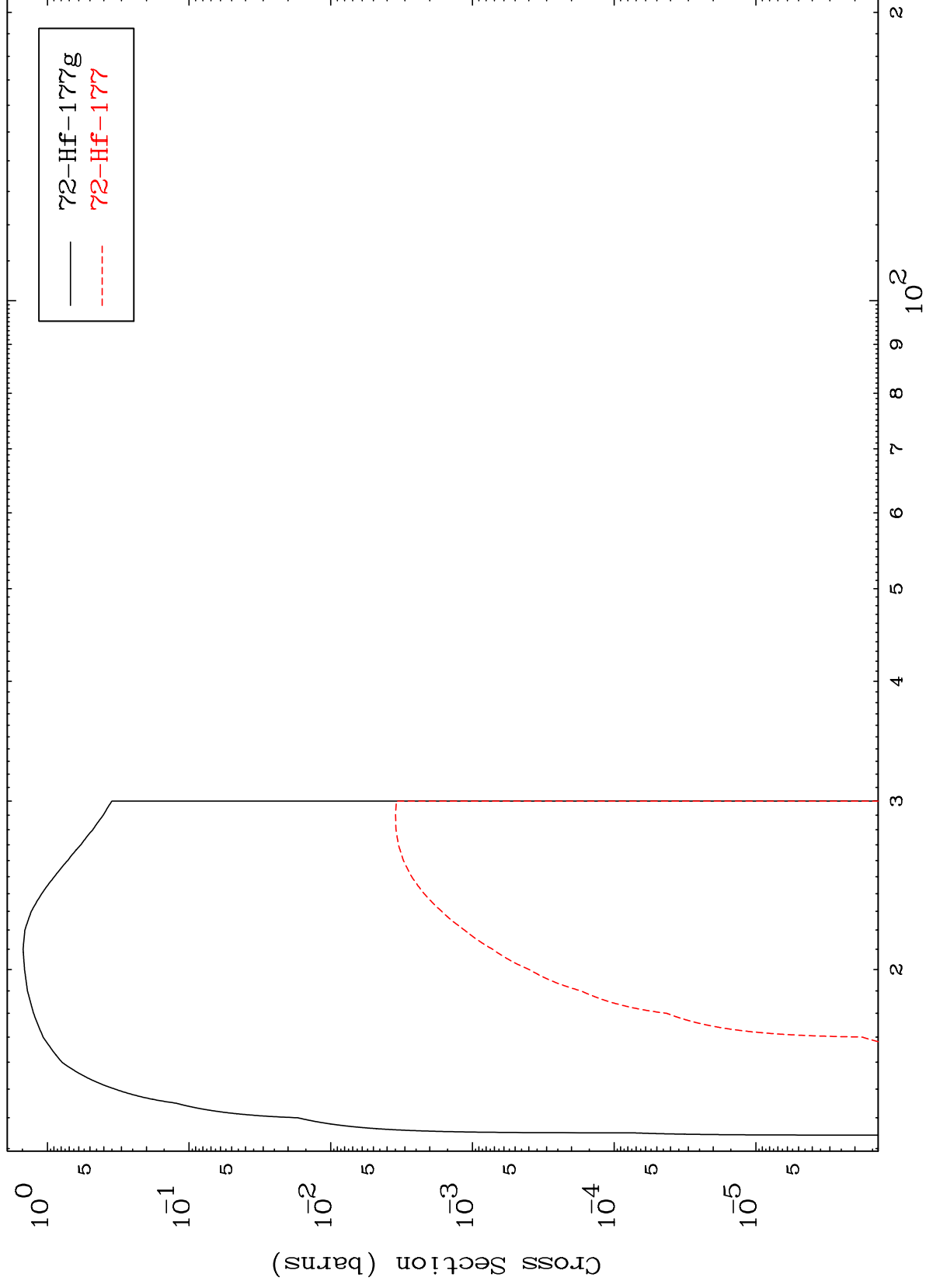
Incident Energy (MeV)

72-Hf-179m

MAT 7241

⁷²Hf-179m

(n,3n)
Radionuclide Production Cross Section



22

⁷²Hf-179m

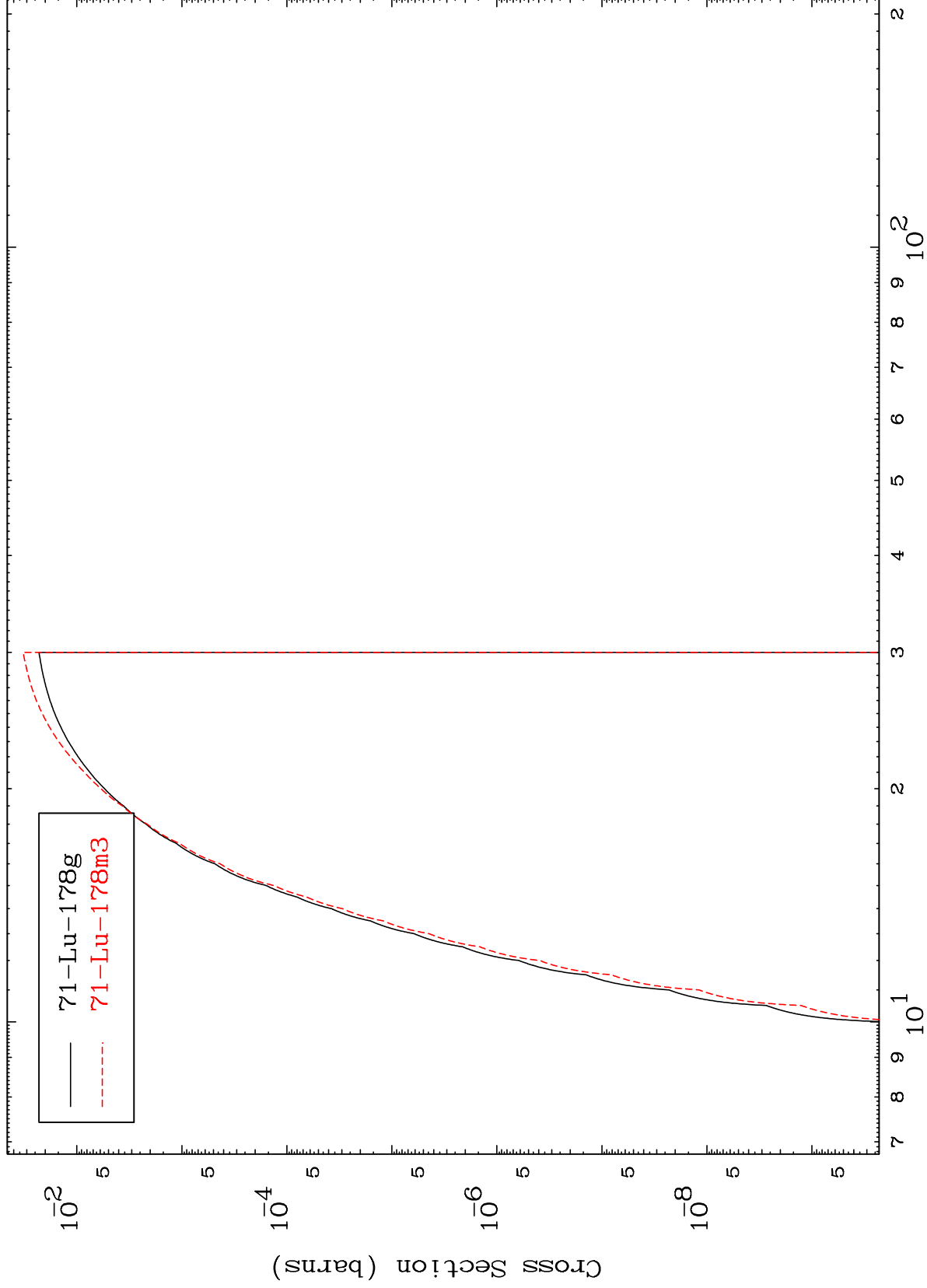
Incident Energy (MeV)

MAT 7241

(n,n') p

72-Hf-179m

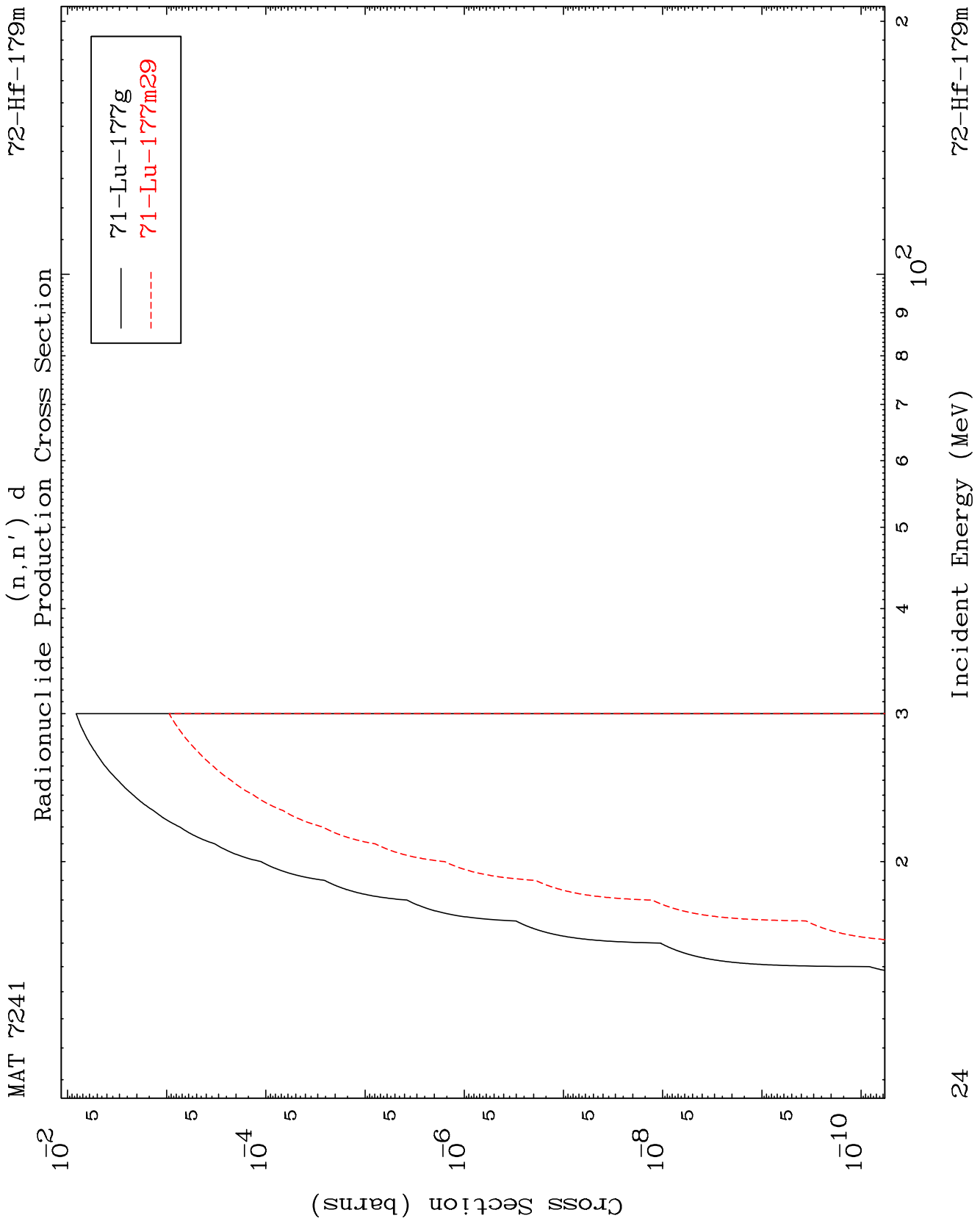
Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-179m

23

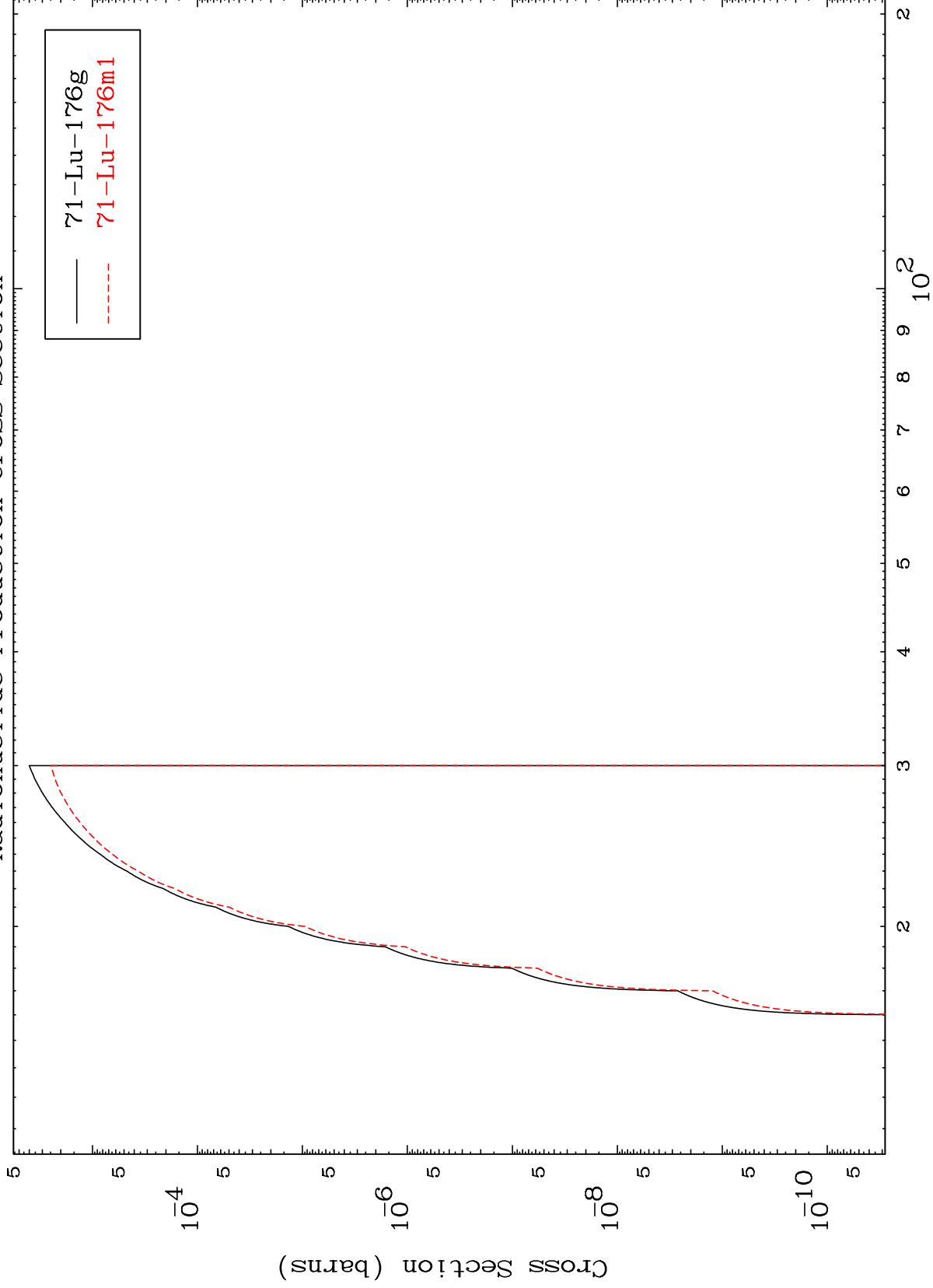


MAT 7241

(n,n') t

72-Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-179m

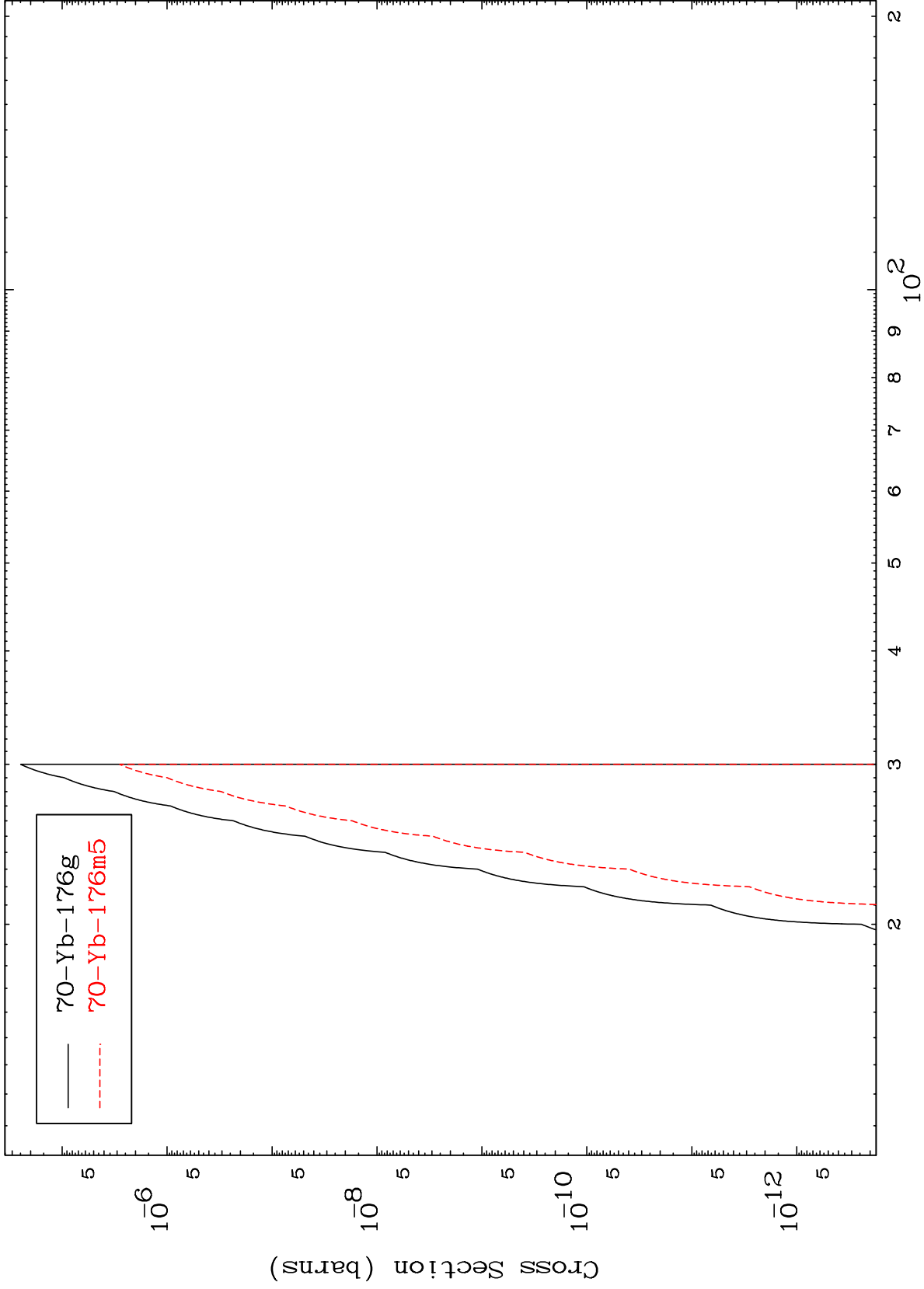
25

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(n,n') He-3

72-Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-179m

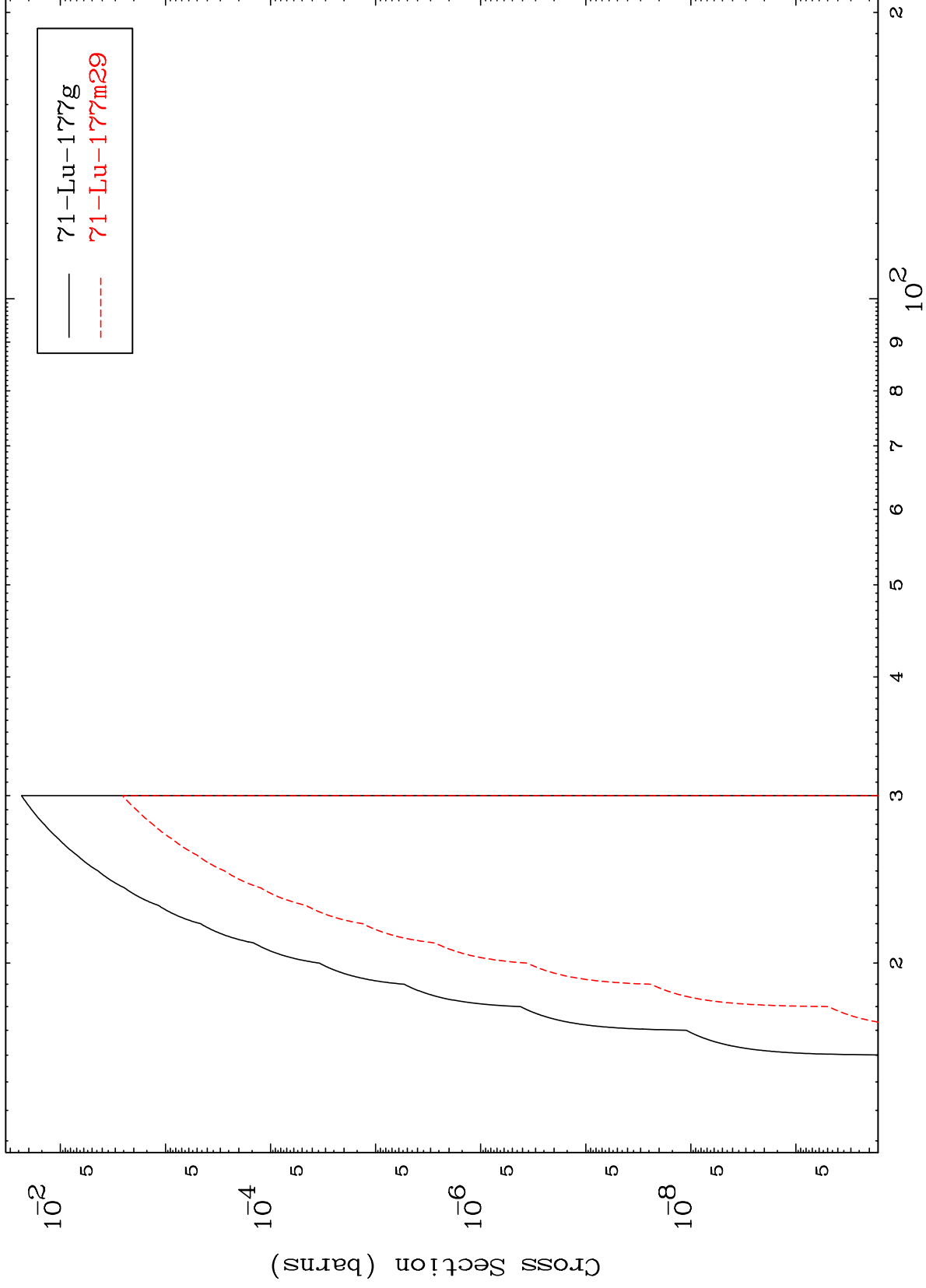
26

MAT 7241

(n,2n) p

⁷²Hf-179m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

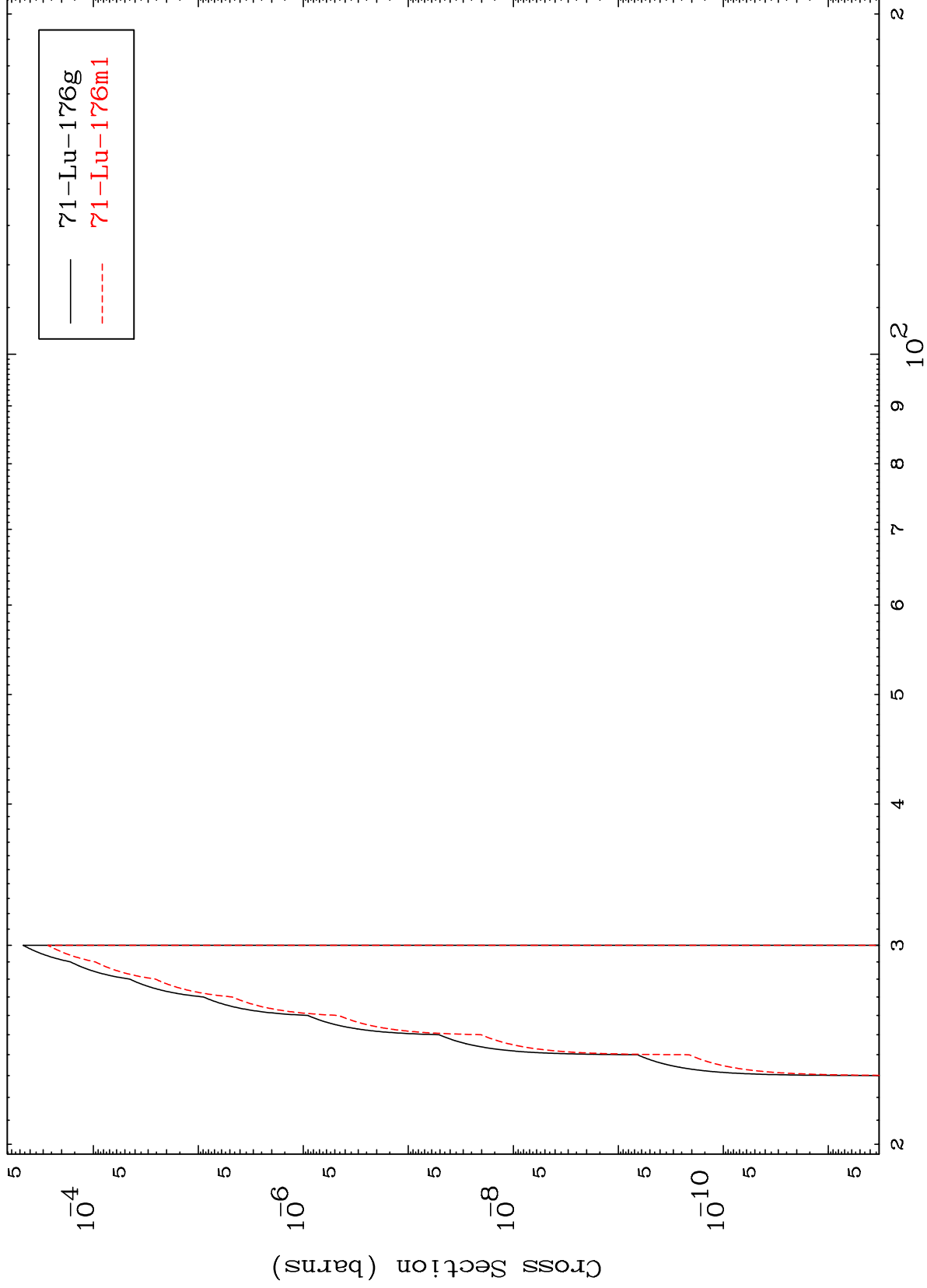
⁷²Hf-179m

MAT 7241

(n,3n) p

72-Hf-179m

Radionuclide Production Cross Section



28

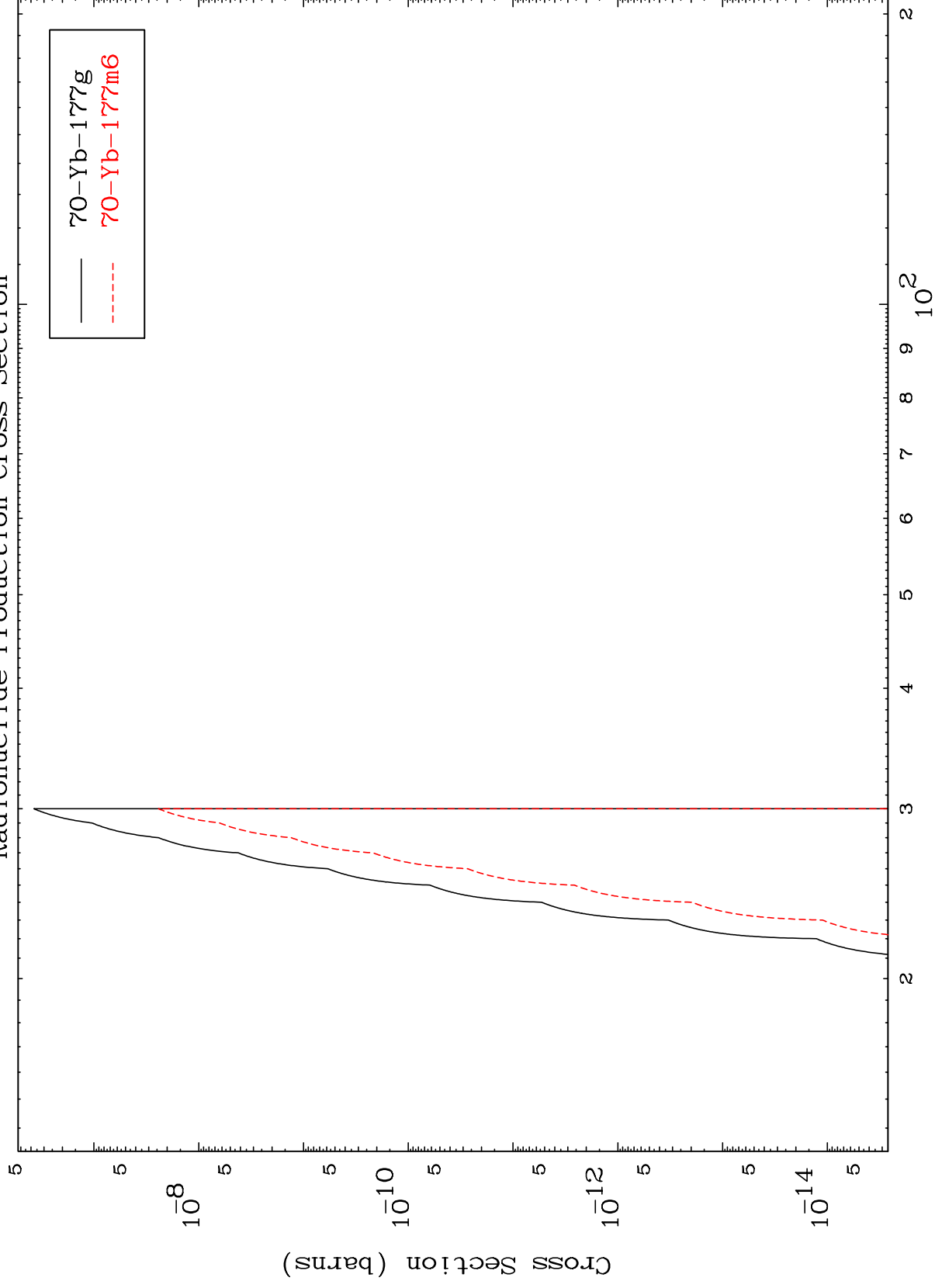
Incident Energy (MeV)

72-Hf-179m

MAT 7241

72-Hf-179m

(n,2n) p
Radionuclide Production Cross Section



72-Hf-179m

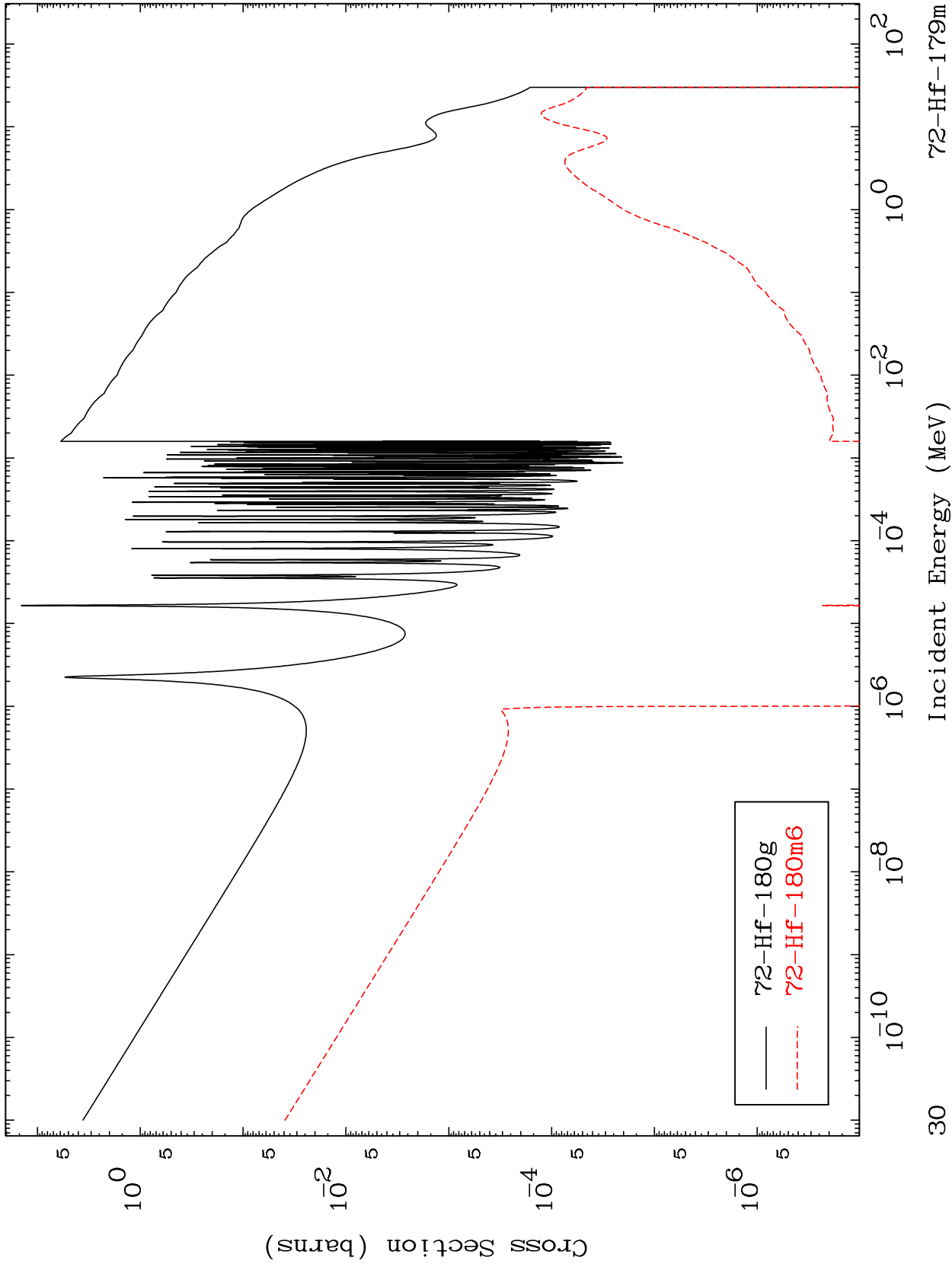
Incident Energy (MeV)

29

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⁷²Hf-179m

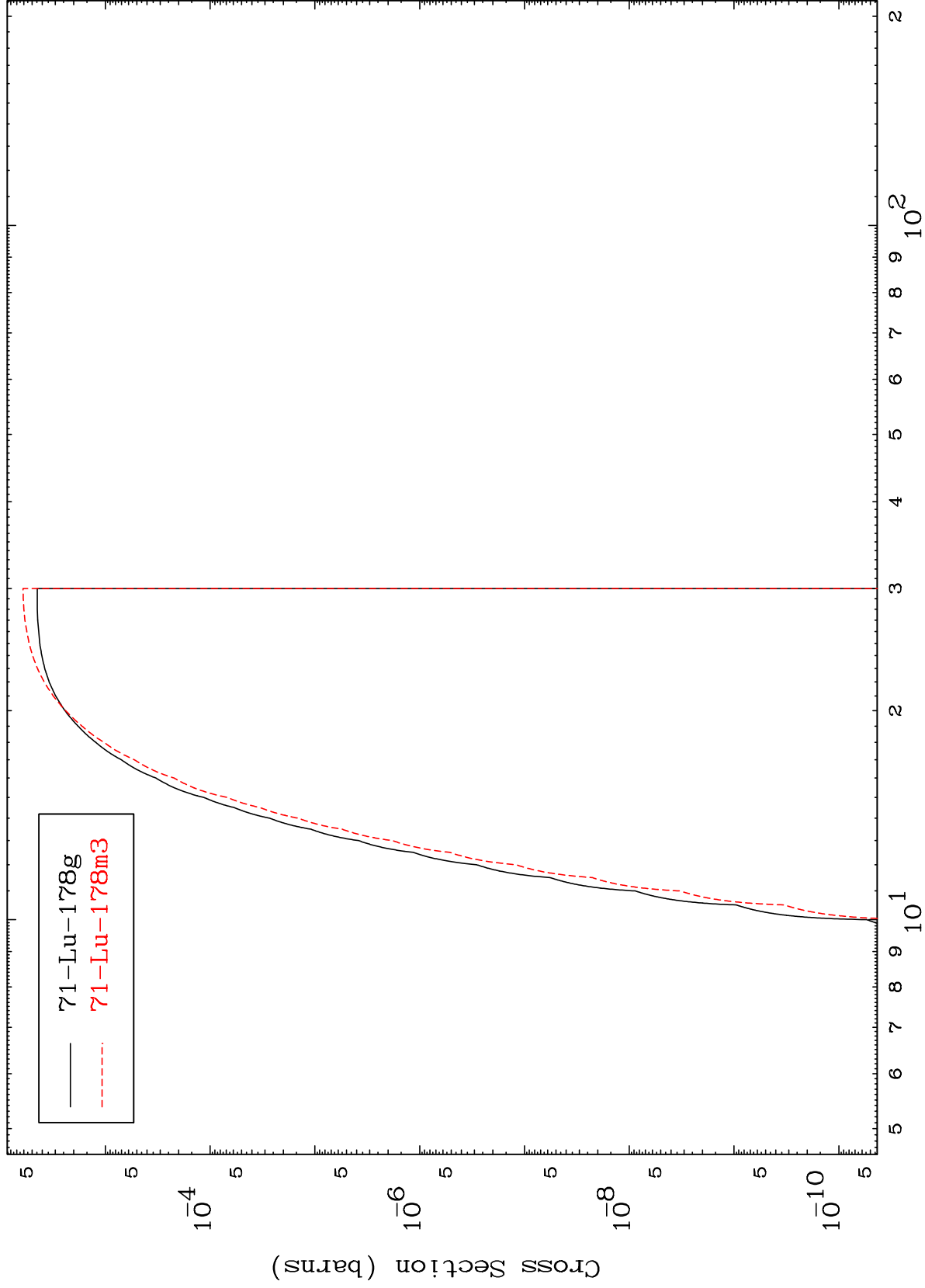
Radionuclide Production Cross Section



MAT 7241

72-Hf-179m

(n,d)
Radionuclide Production Cross Section



31

Incident Energy (MeV)

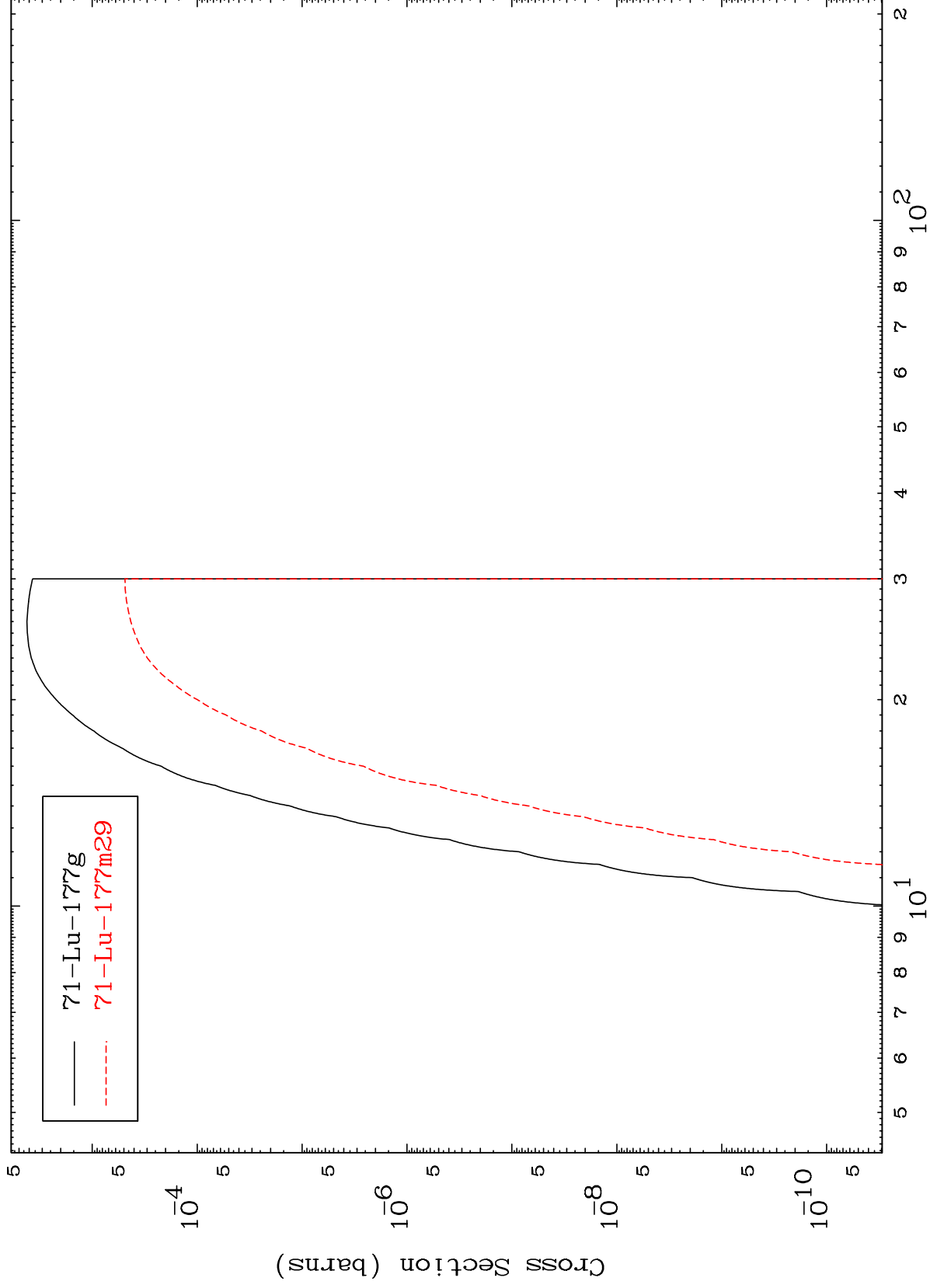
72-Hf-179m

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(n, t)

⁷²Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-179m

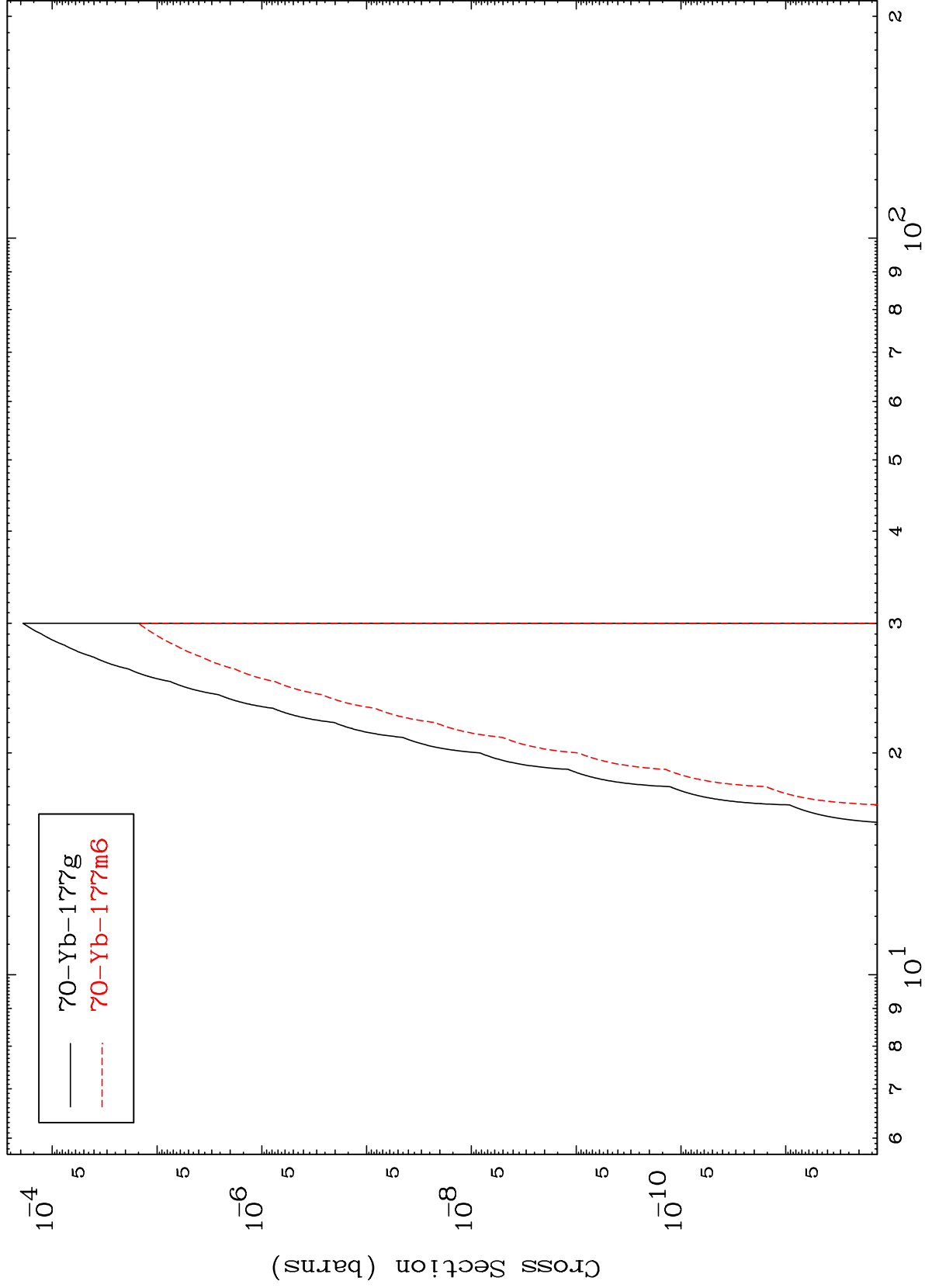
32

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(n,He-3)

72-Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

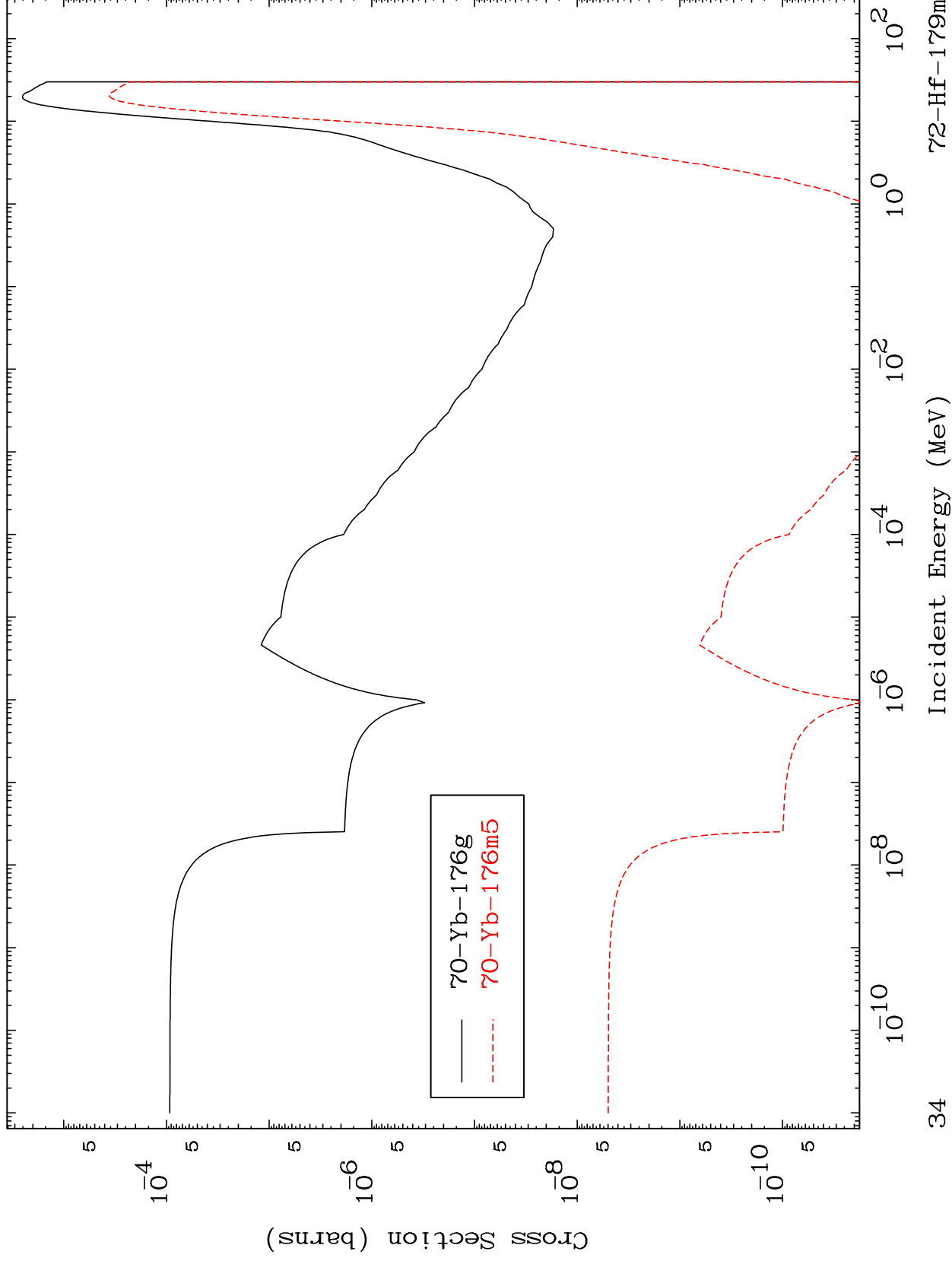
72-Hf-179m

33

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72-Hf-179m

(n, α)
Radionuclide Production Cross Section

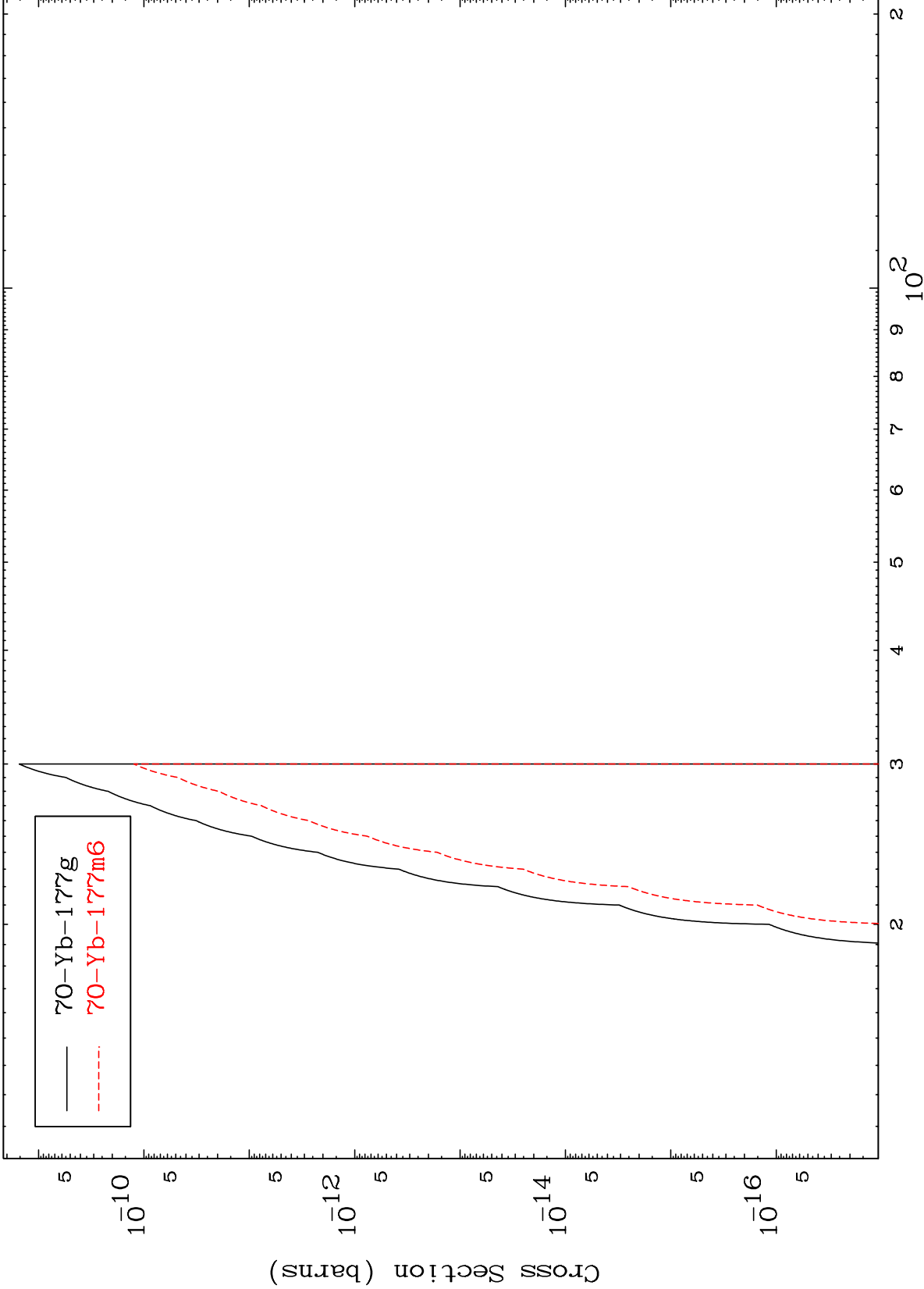


MAT 7241

(n,p) d

⁷²Hf-179m

Radionuclide Production Cross Section



Incident Energy (MeV)

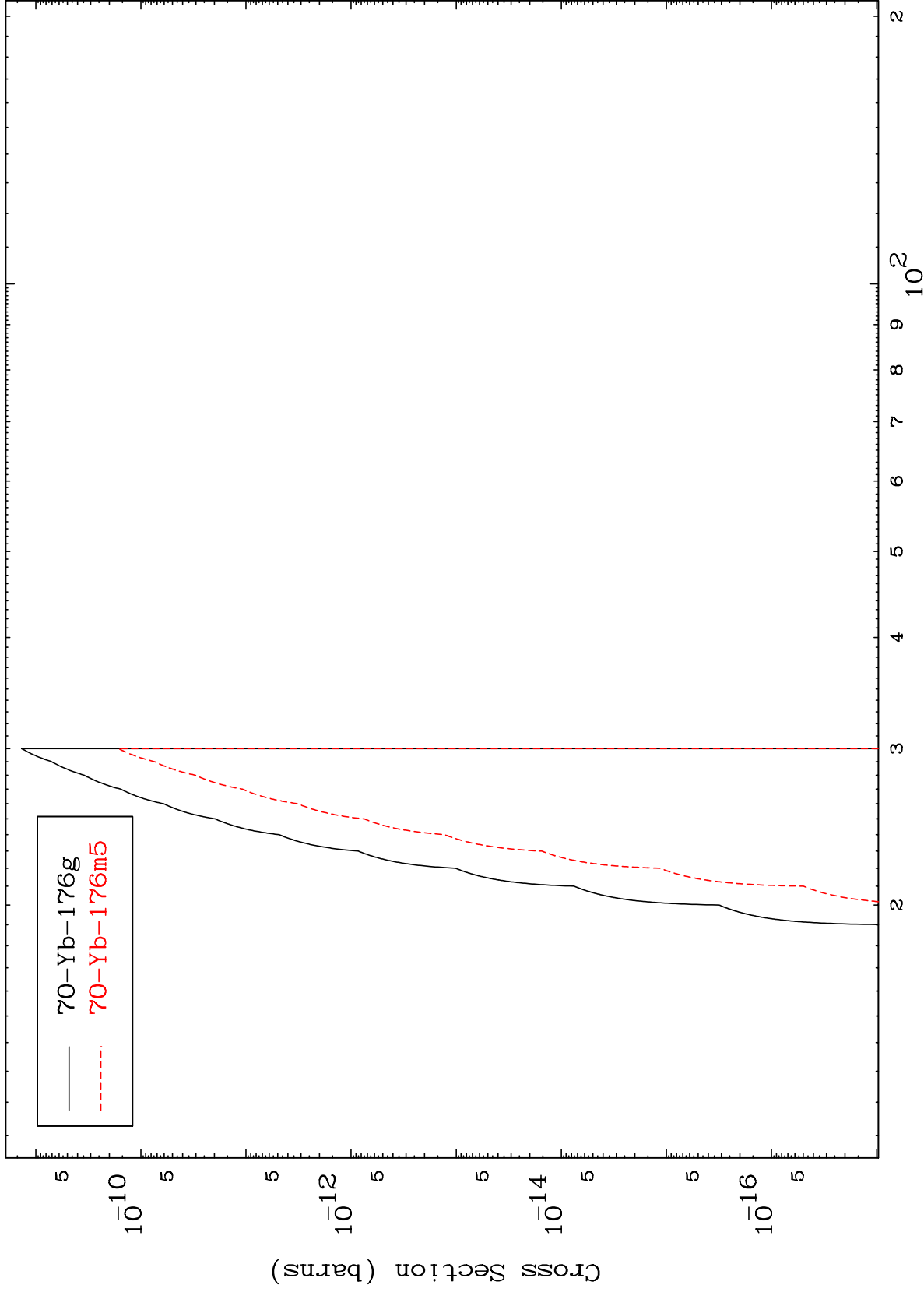
⁷²Hf-179m

MAT 7241

(n,p) t

⁷²Hf-179m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

⁷²Hf-179m