

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

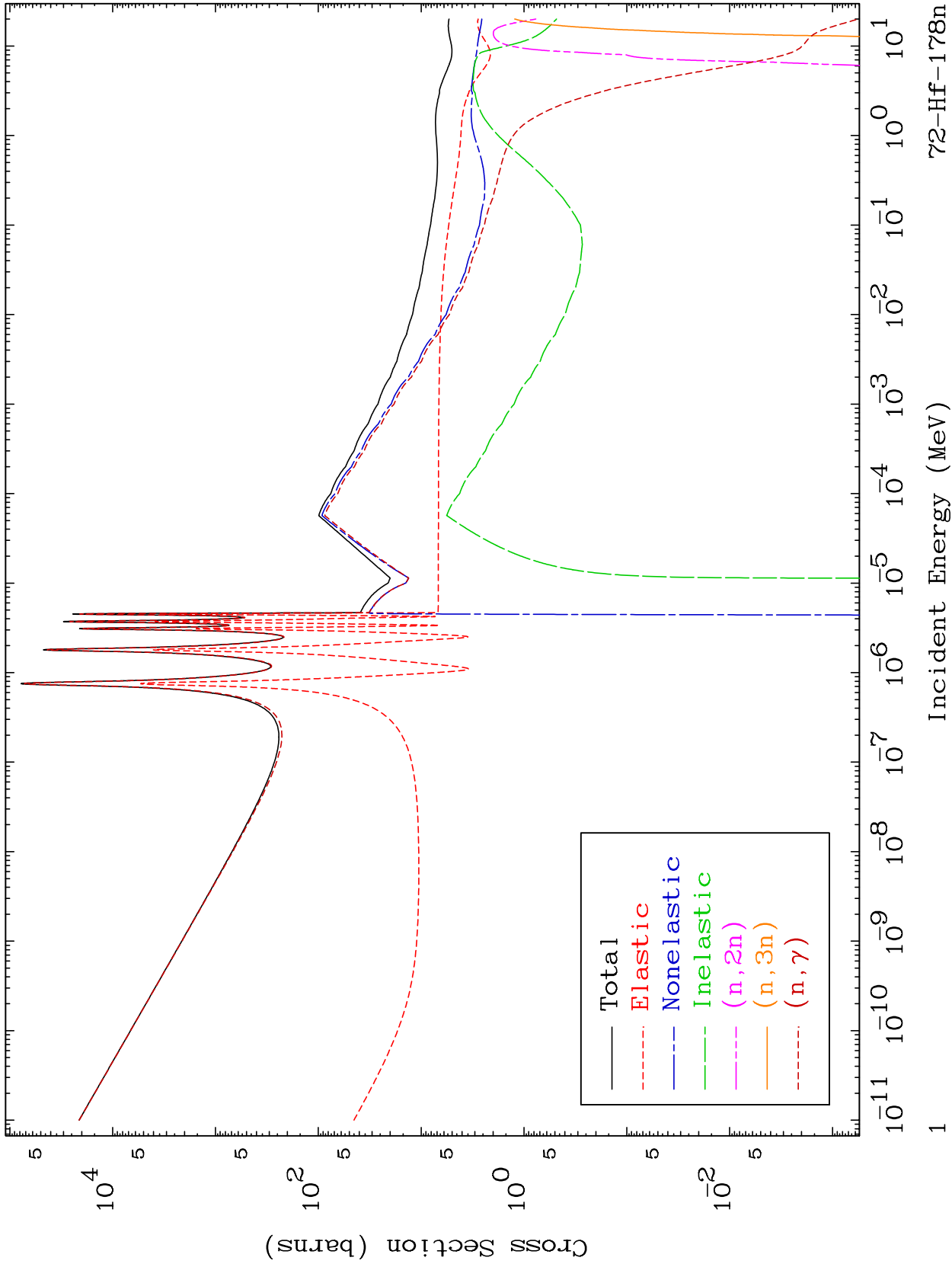
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7239

Neutron Major
293 Kelvin Cross Sections

⁷²Hf-178n



⁷²Hf-178n

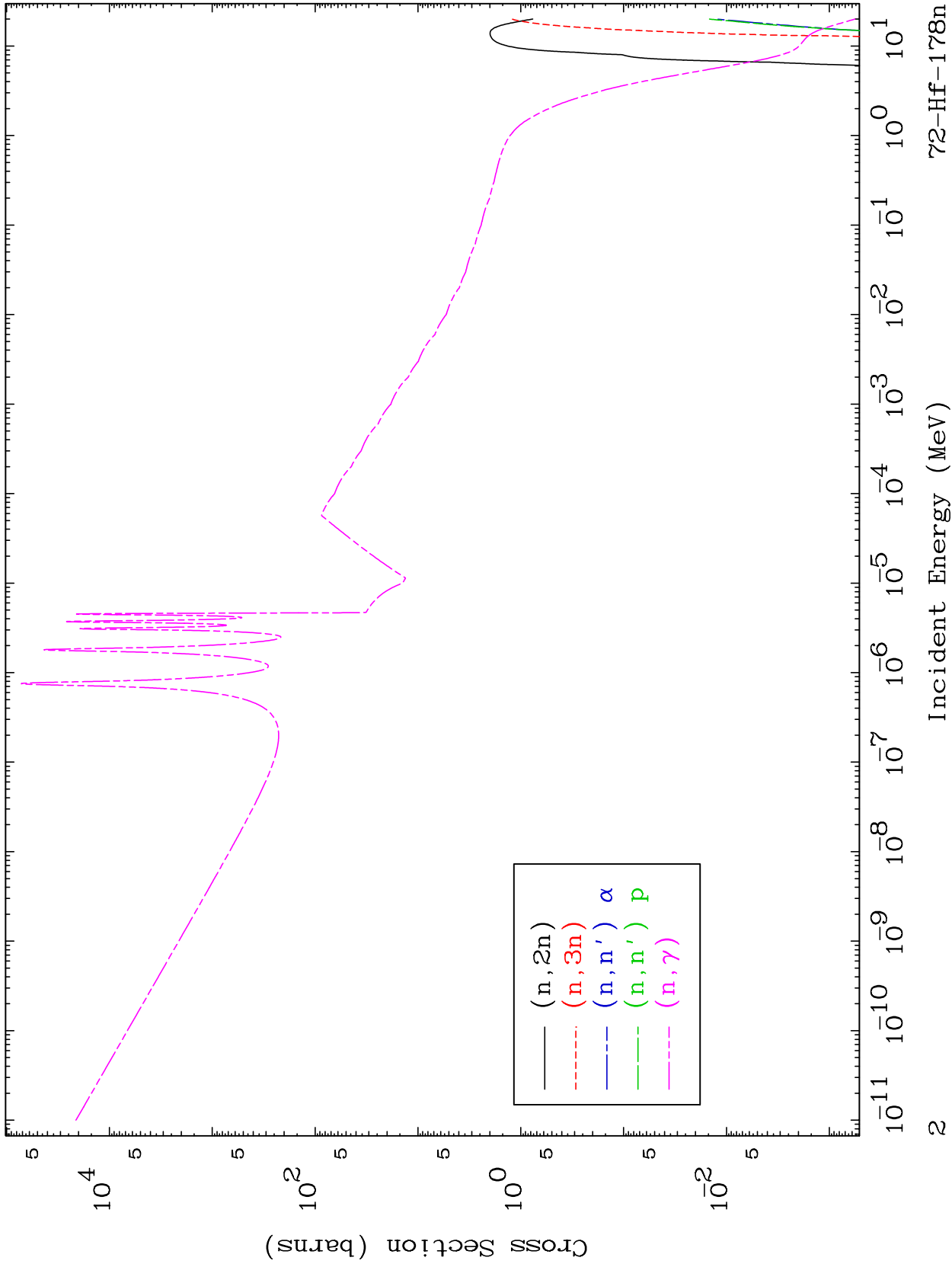
Incident Energy (MeV)

1

MAT 7239

Neutron Absorption
293 Kelvin Cross Sections

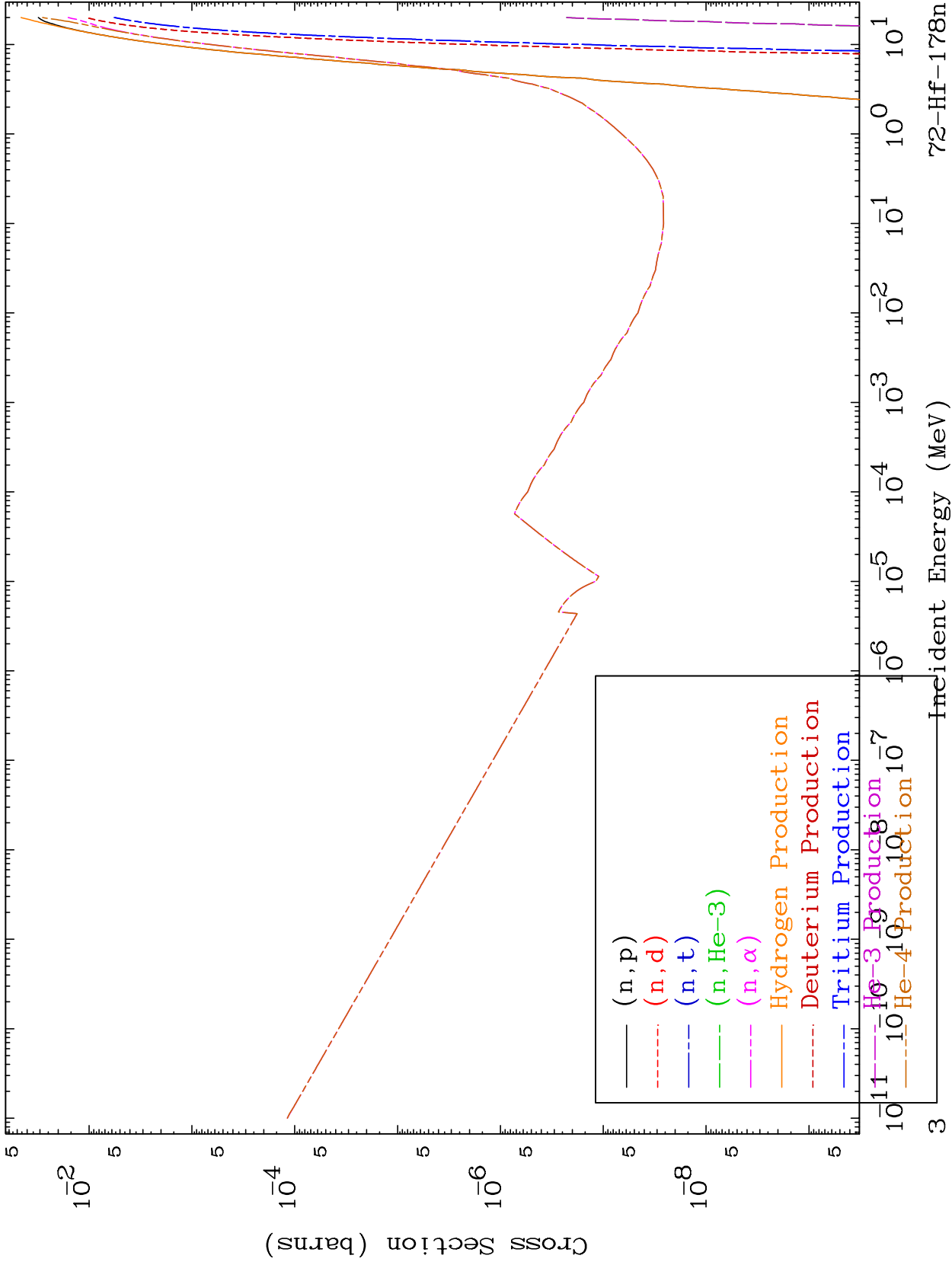
72-Hf-178n



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Neutron Absorption
293 Kelvin Cross Sections

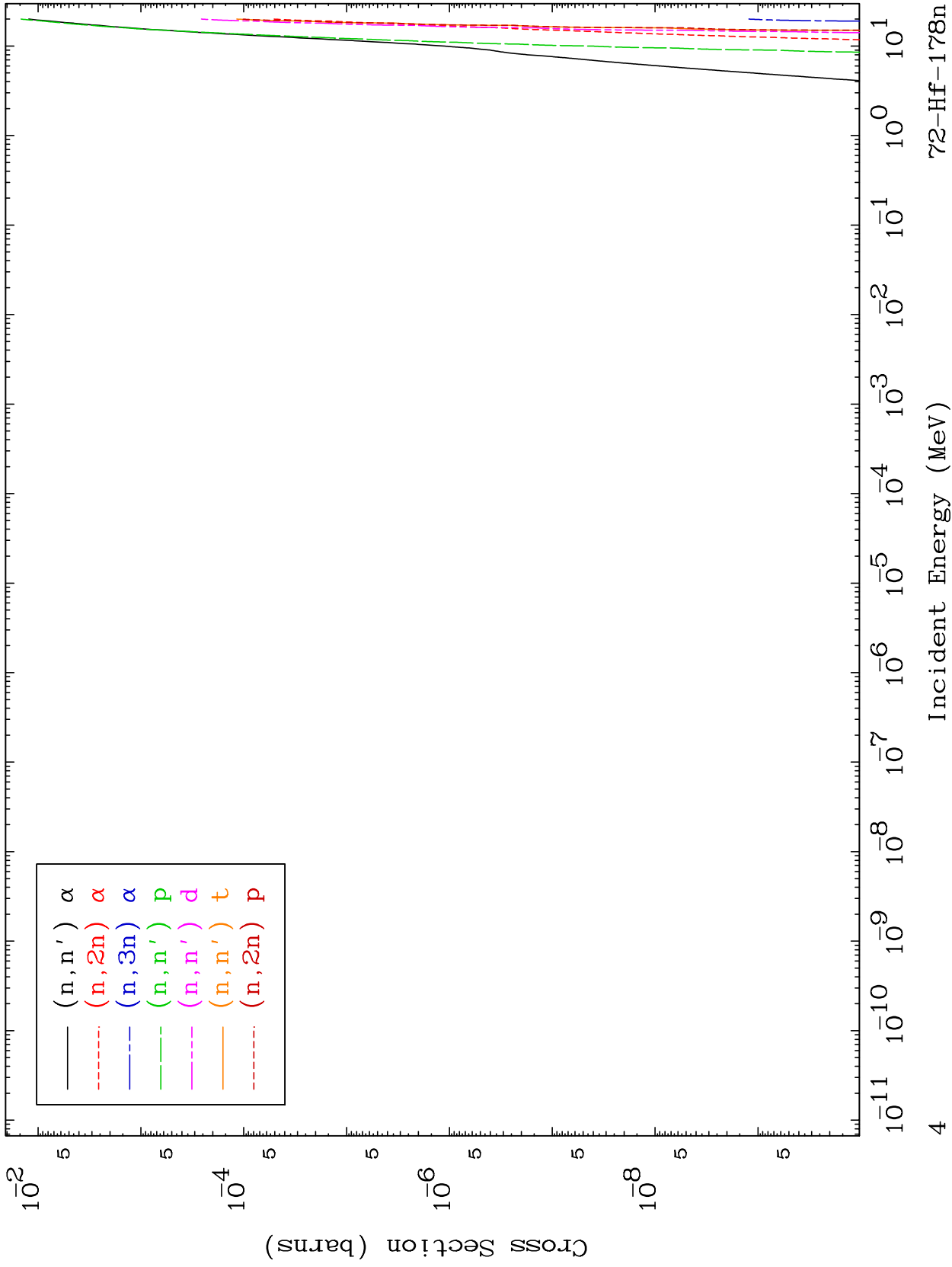
⁷²Hf-178n



MAT 7239

Charged Particle
293 Kelvin Cross Sections

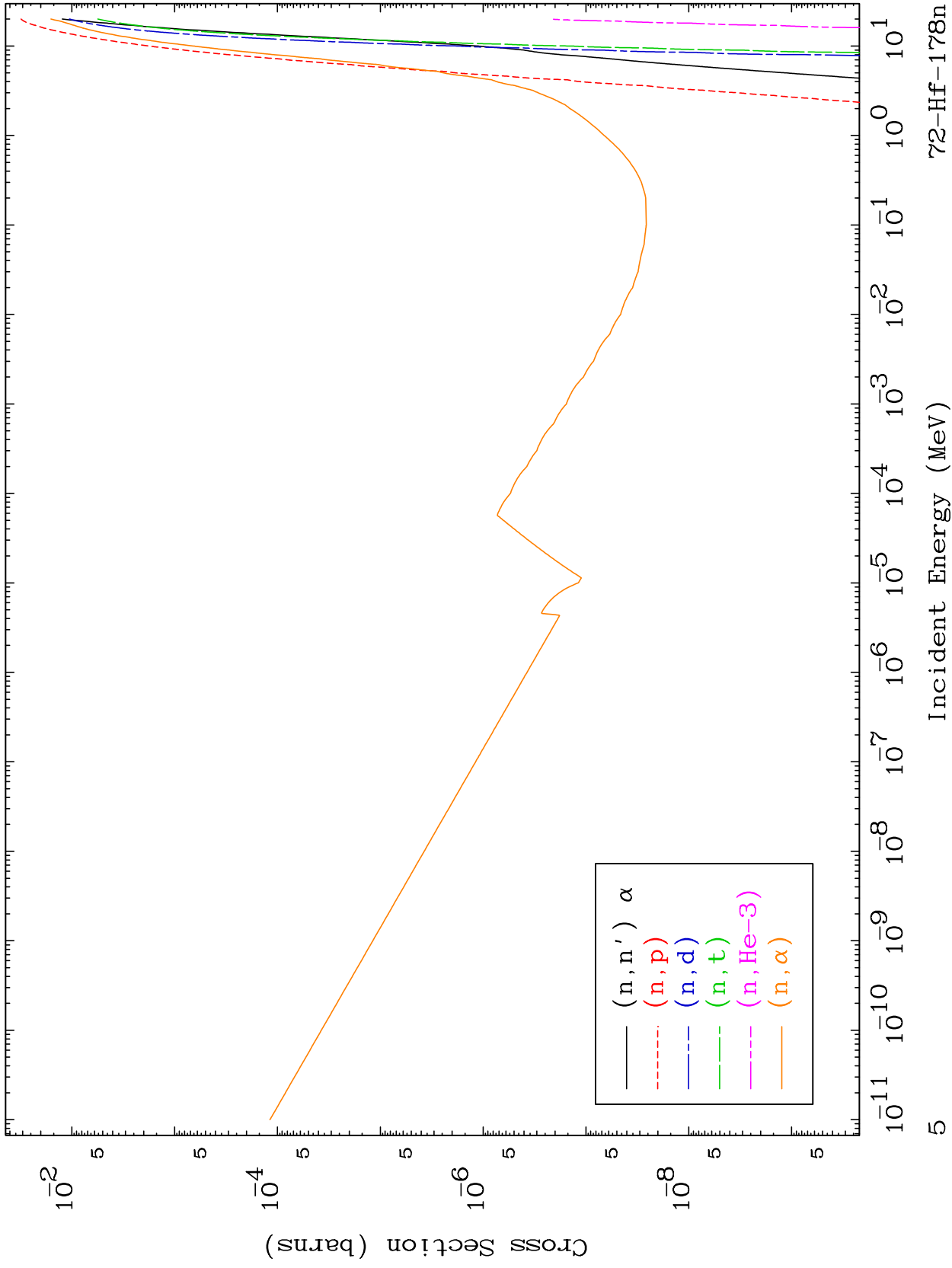
⁷²Hf-178n

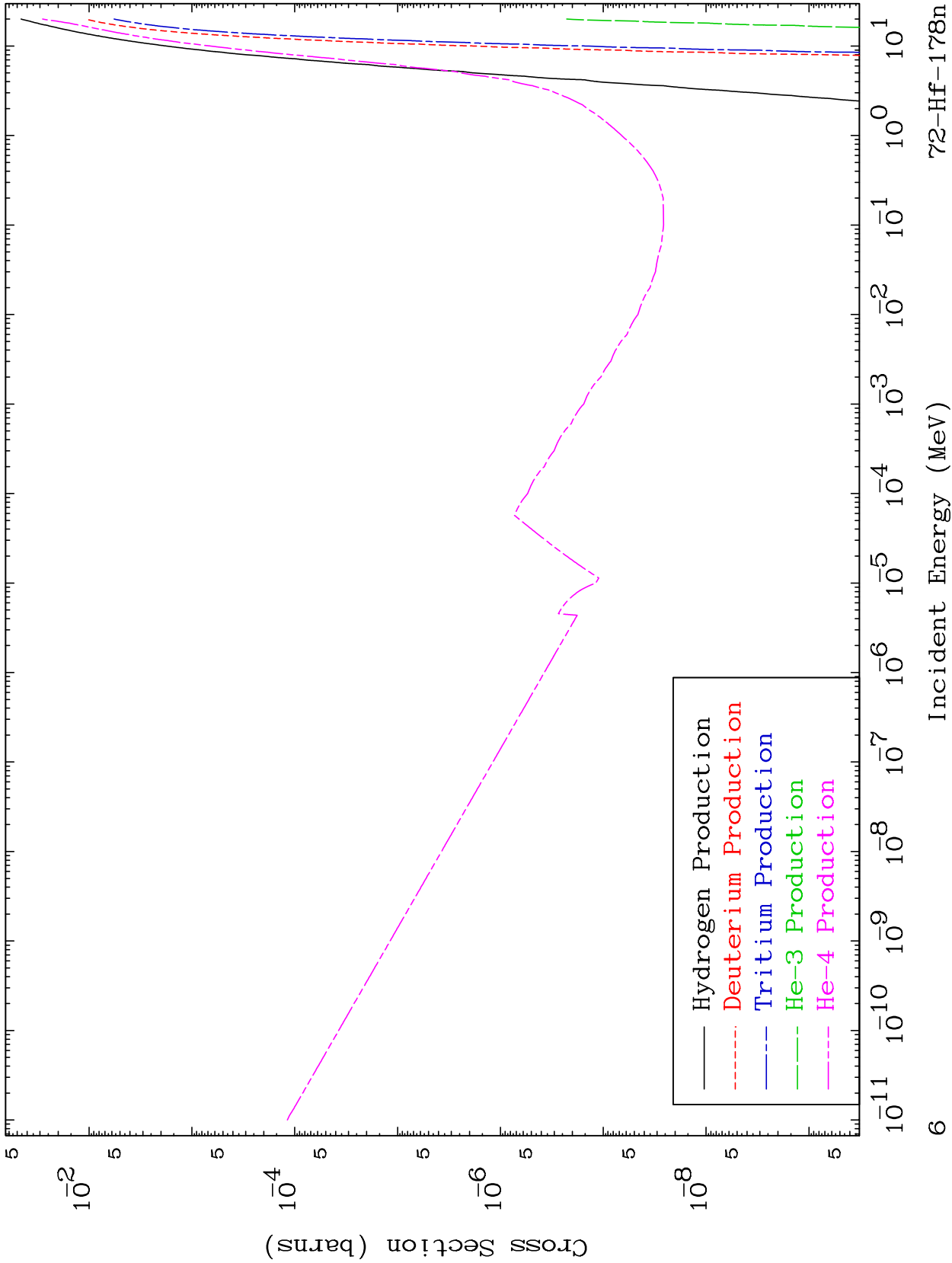


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Charged Particle
293 Kelvin Cross Sections

⁷²Hf-178n

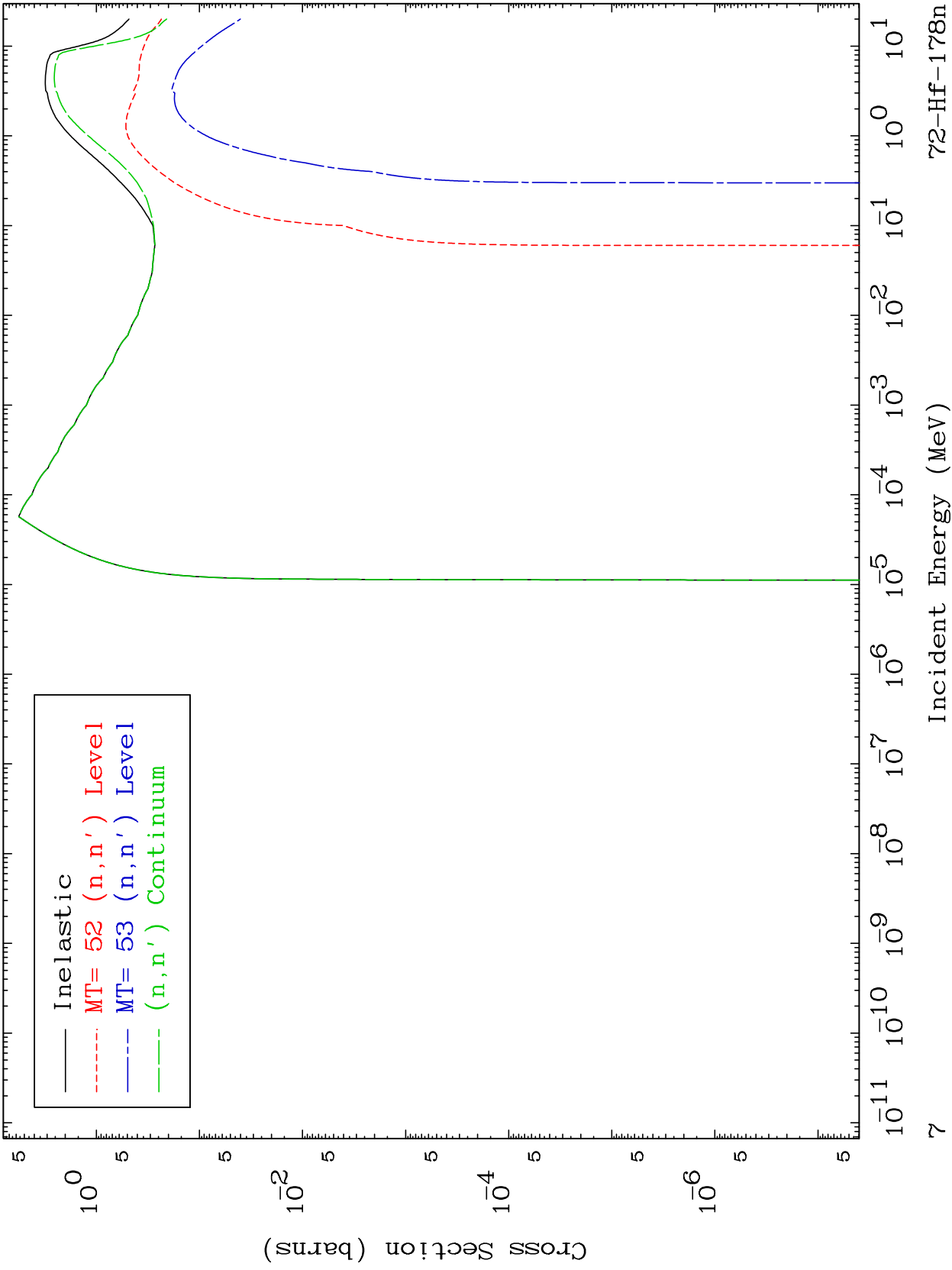




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(n,n') Levels
293 Kelvin Cross Sections

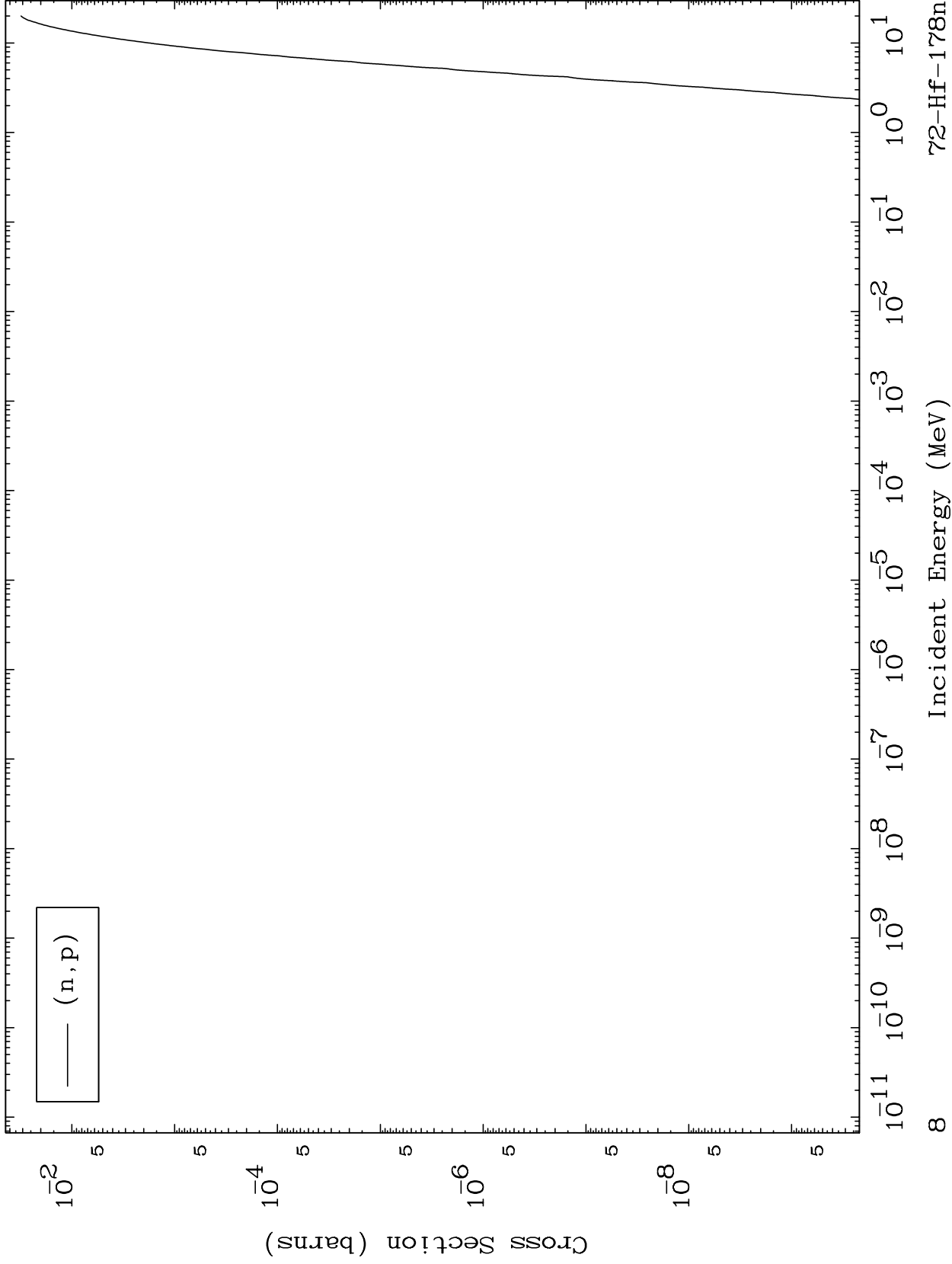
72-Hf-178n



MAT 7239

(n,p) Levels
293 Kelvin Cross Sections

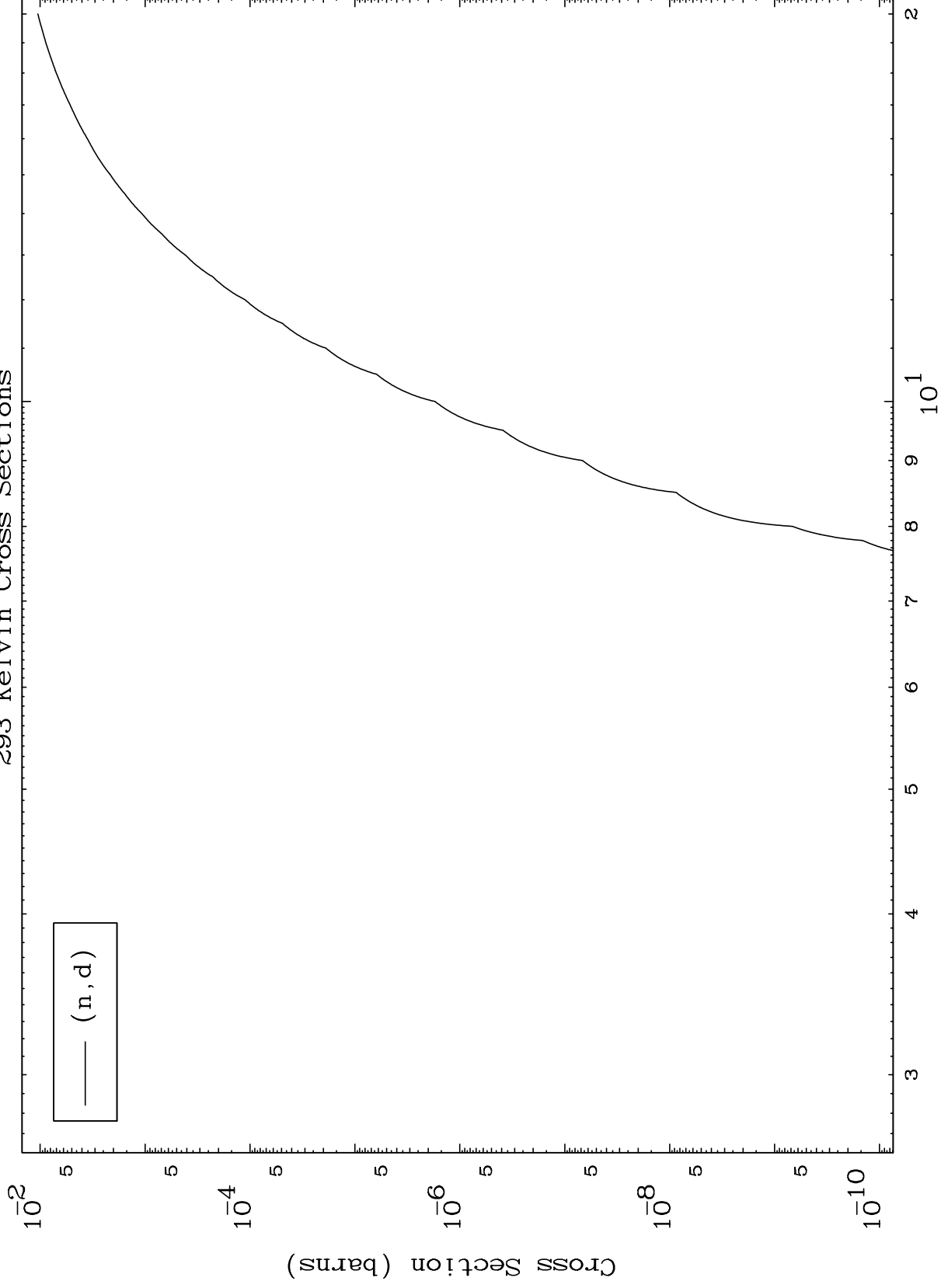
⁷²Hf-178n



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(n,d) Levels
293 Kelvin Cross Sections

⁷²Hf-178n



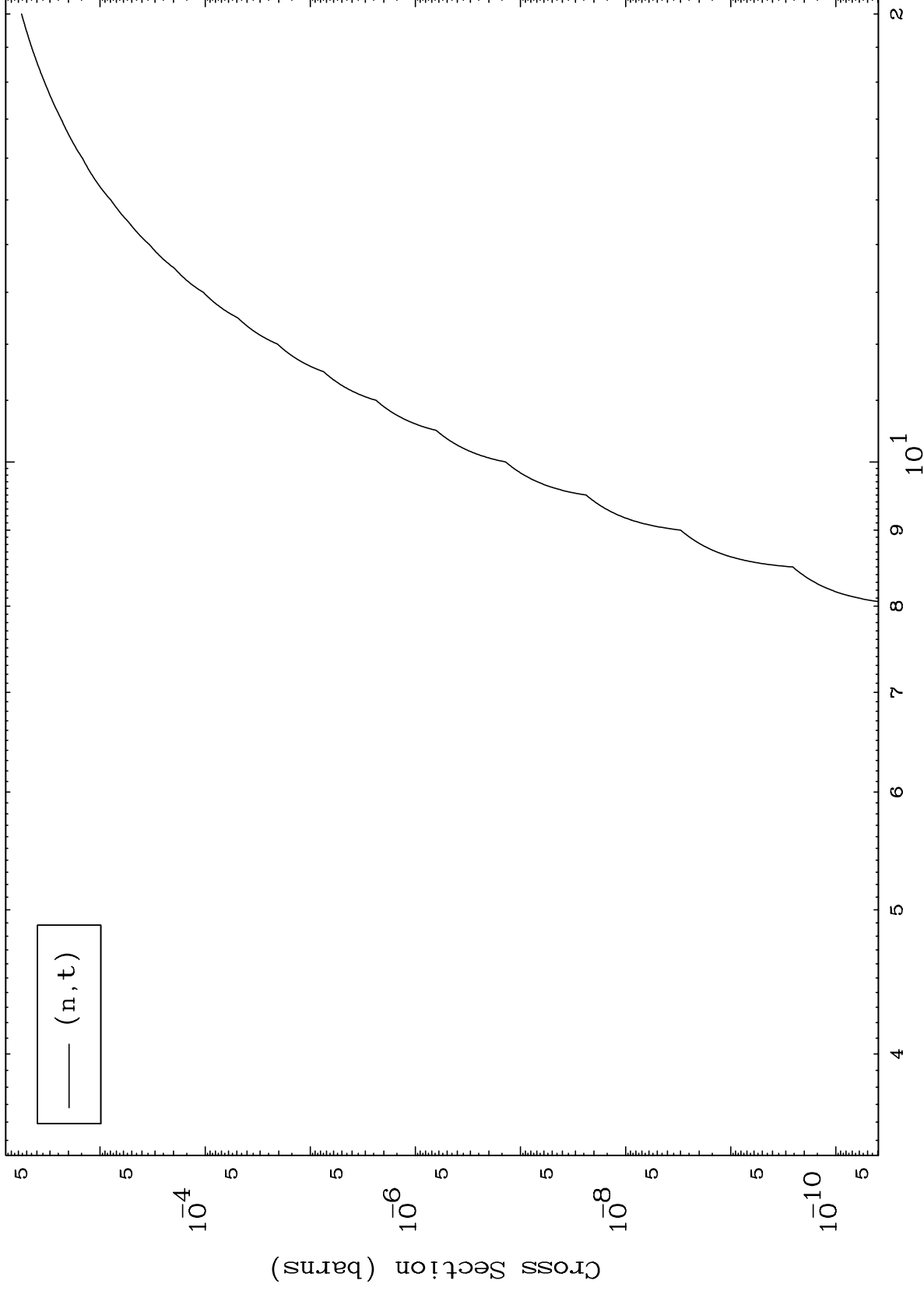
9

⁷²Hf-178n

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(n,t) Levels
293 Kelvin Cross Sections

⁷²Hf-178n



10

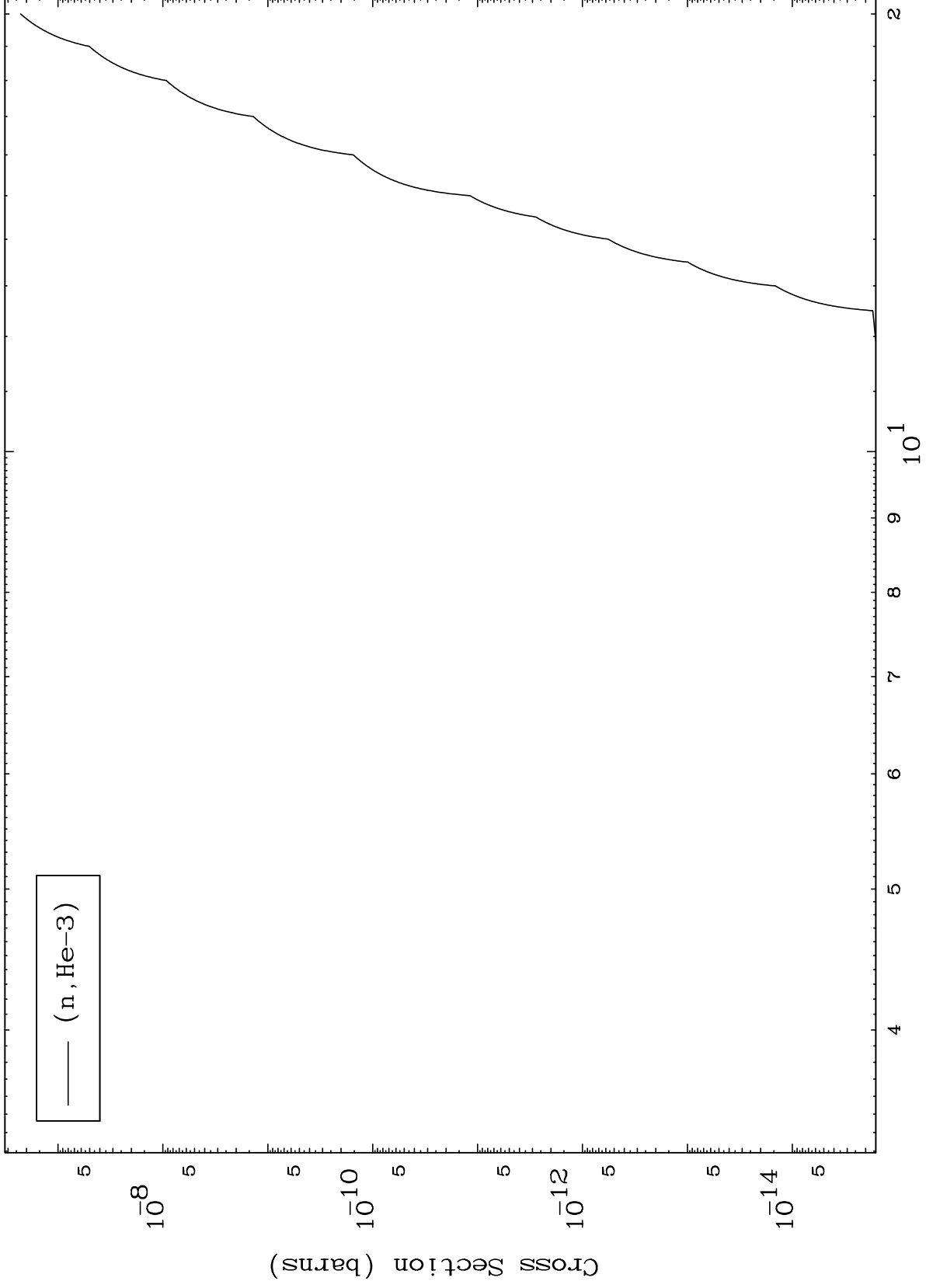
Incident Energy (MeV)

⁷²Hf-178n

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(n,He3) Levels
293 Kelvin Cross Sections

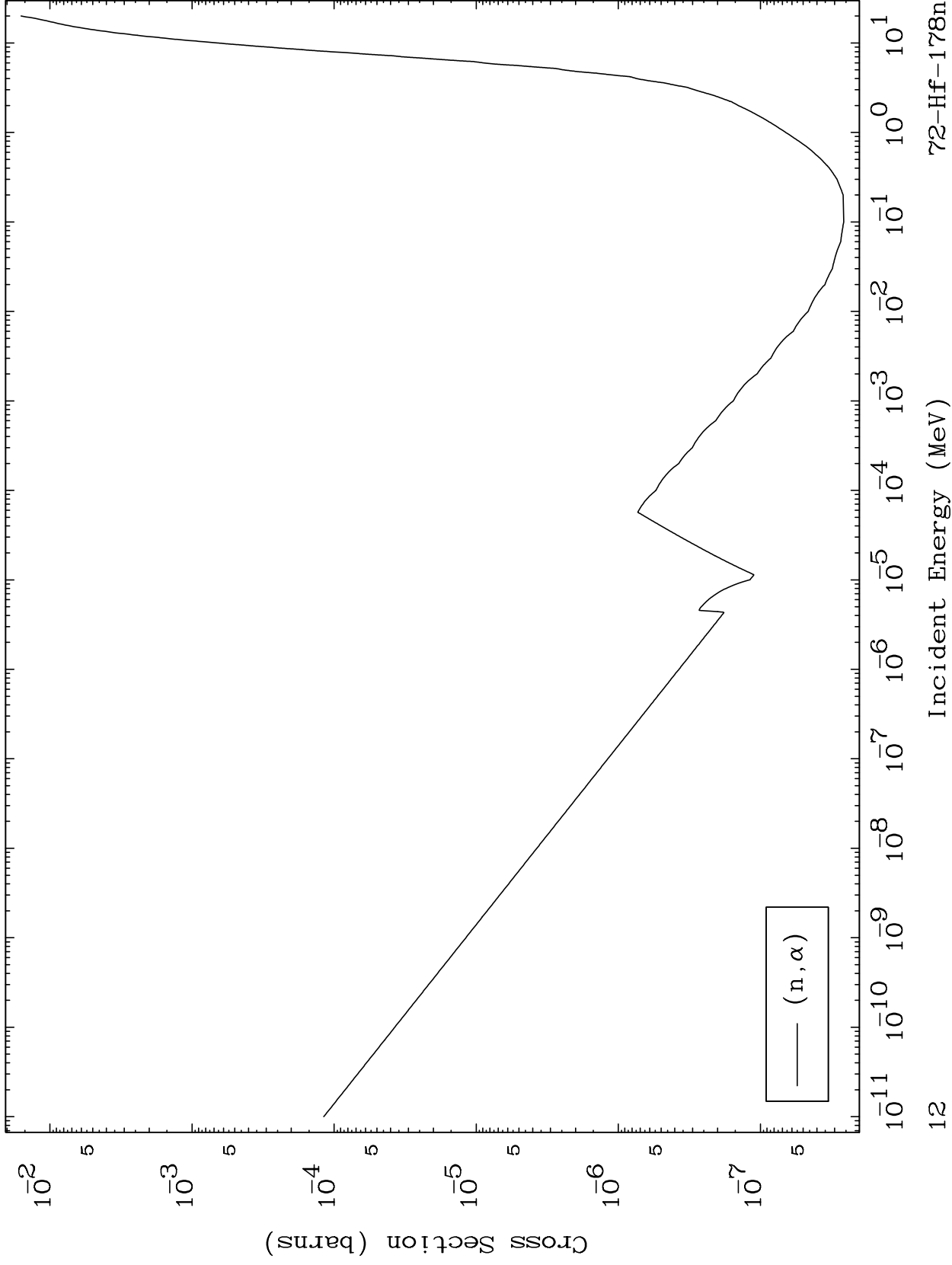
72-Hf-178n



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(n,α) Levels
293 Kelvin Cross Sections

72-Hf-178n

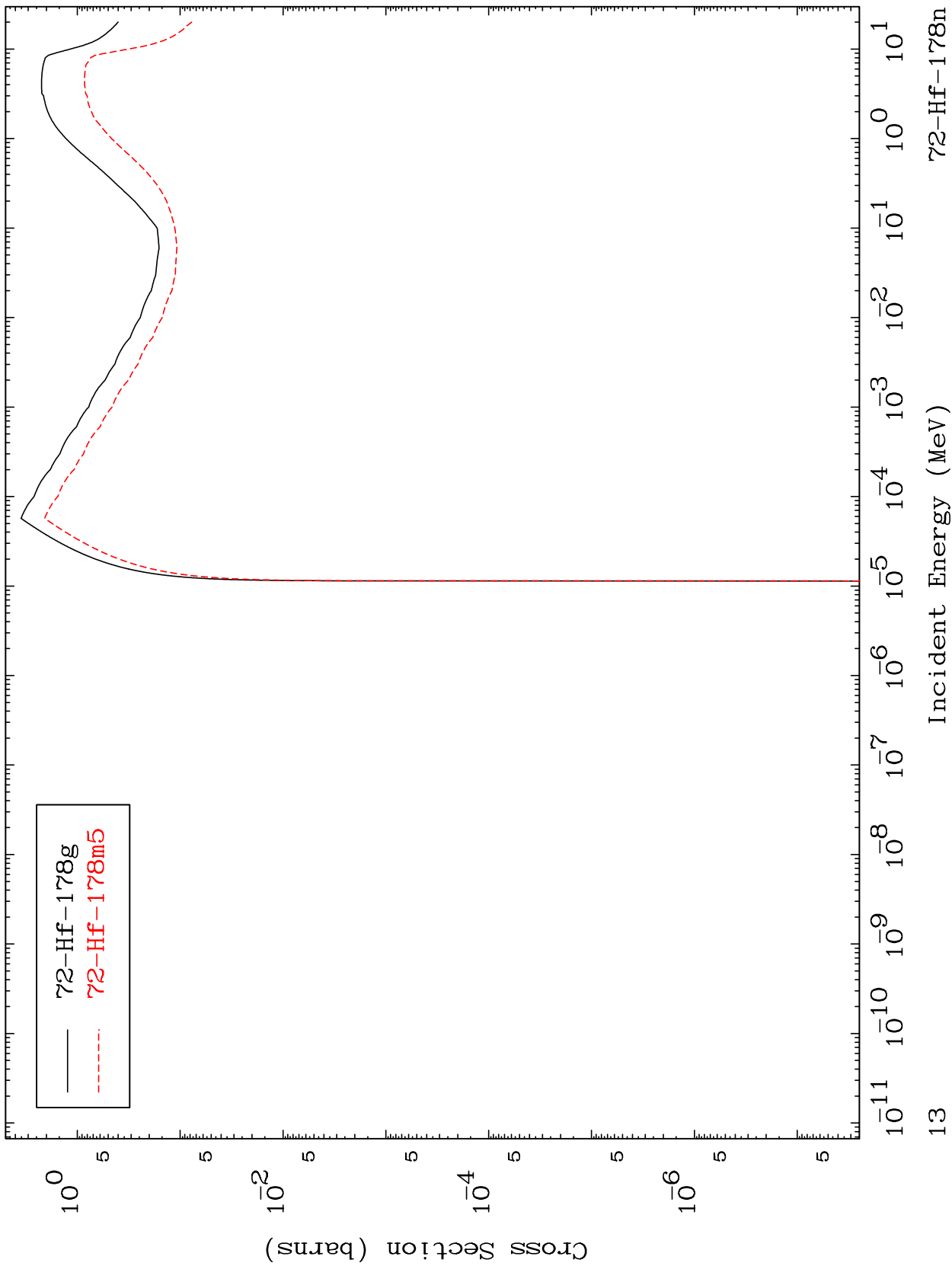


12

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⁷²Hf-178n

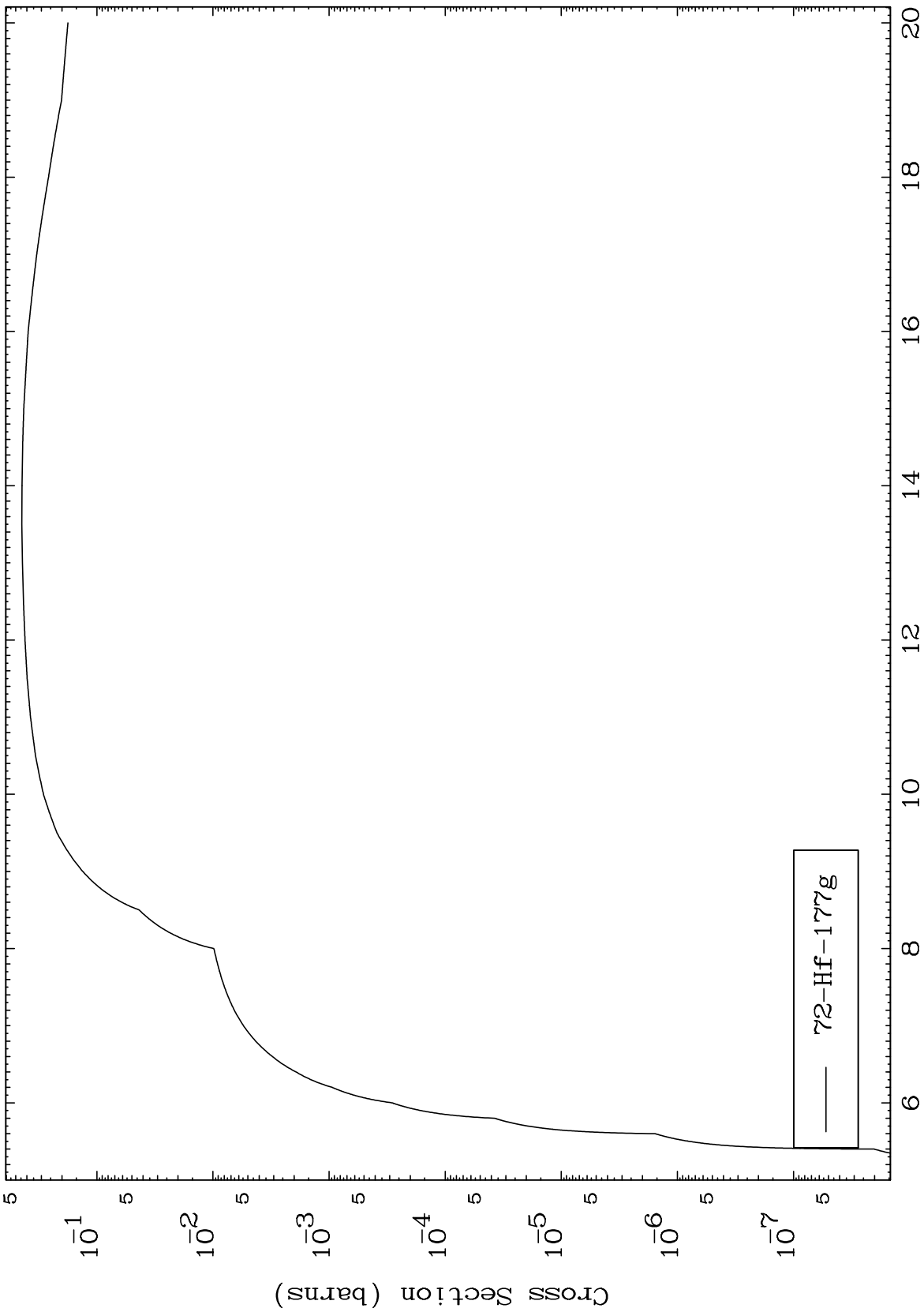
Inelastic
Radionuclide Production Cross Section



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⁷²Hf-178n

Radionuclide Production Cross Section

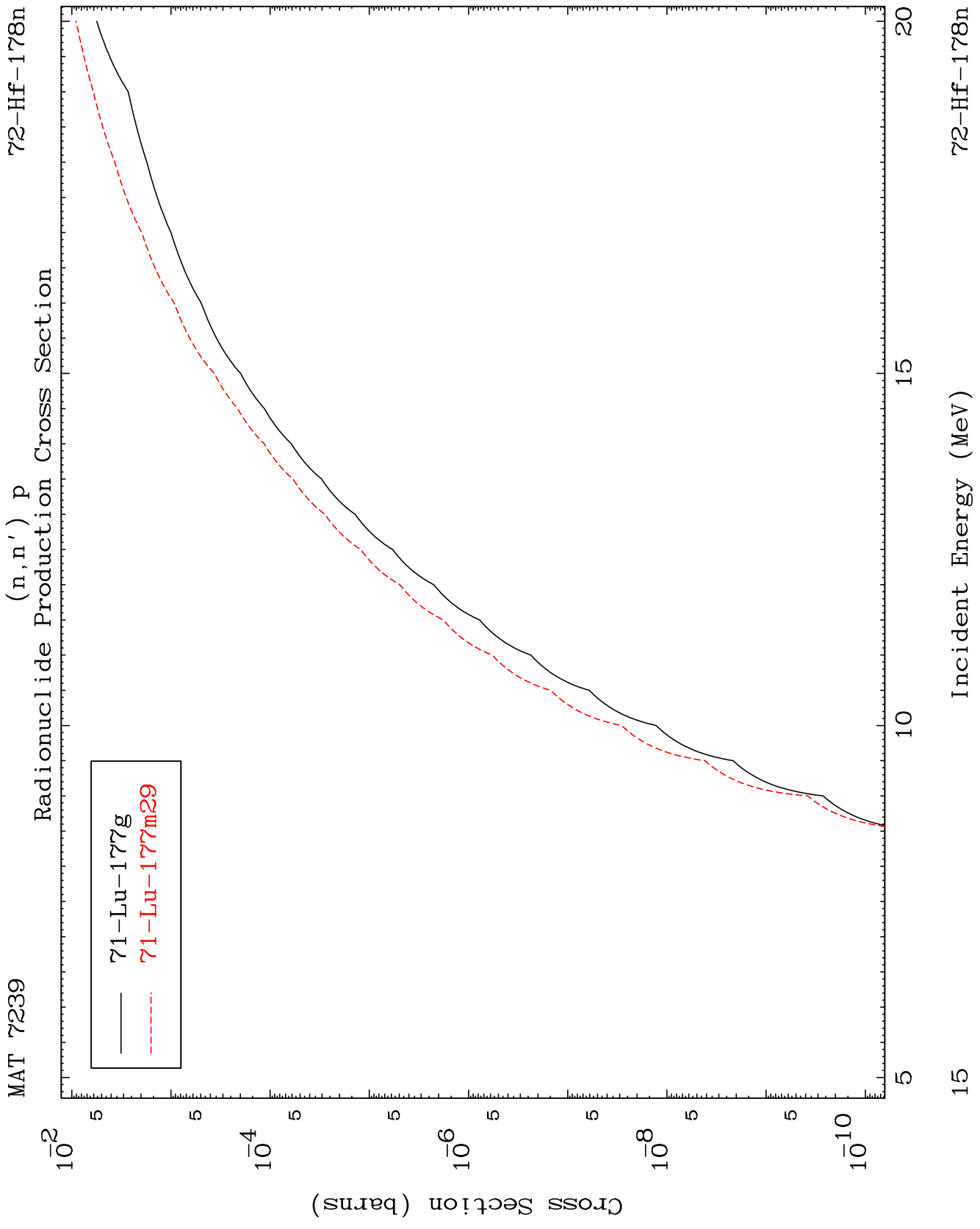


72-Hf-177g

⁷²Hf-178n

Incident Energy (MeV)

14

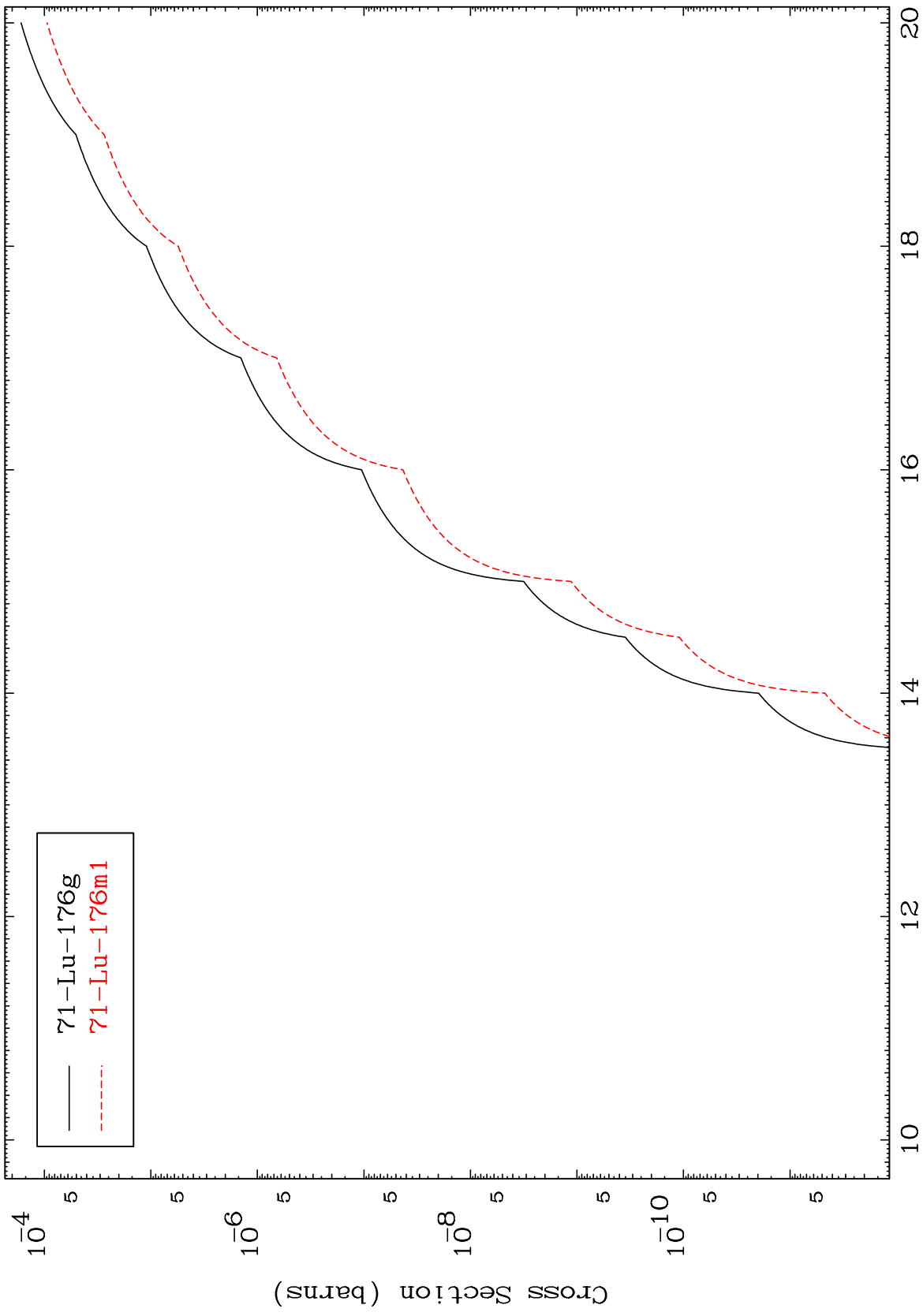


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(n,n') d

⁷²Hf-178n

Radionuclide Production Cross Section



16

Incident Energy (MeV)

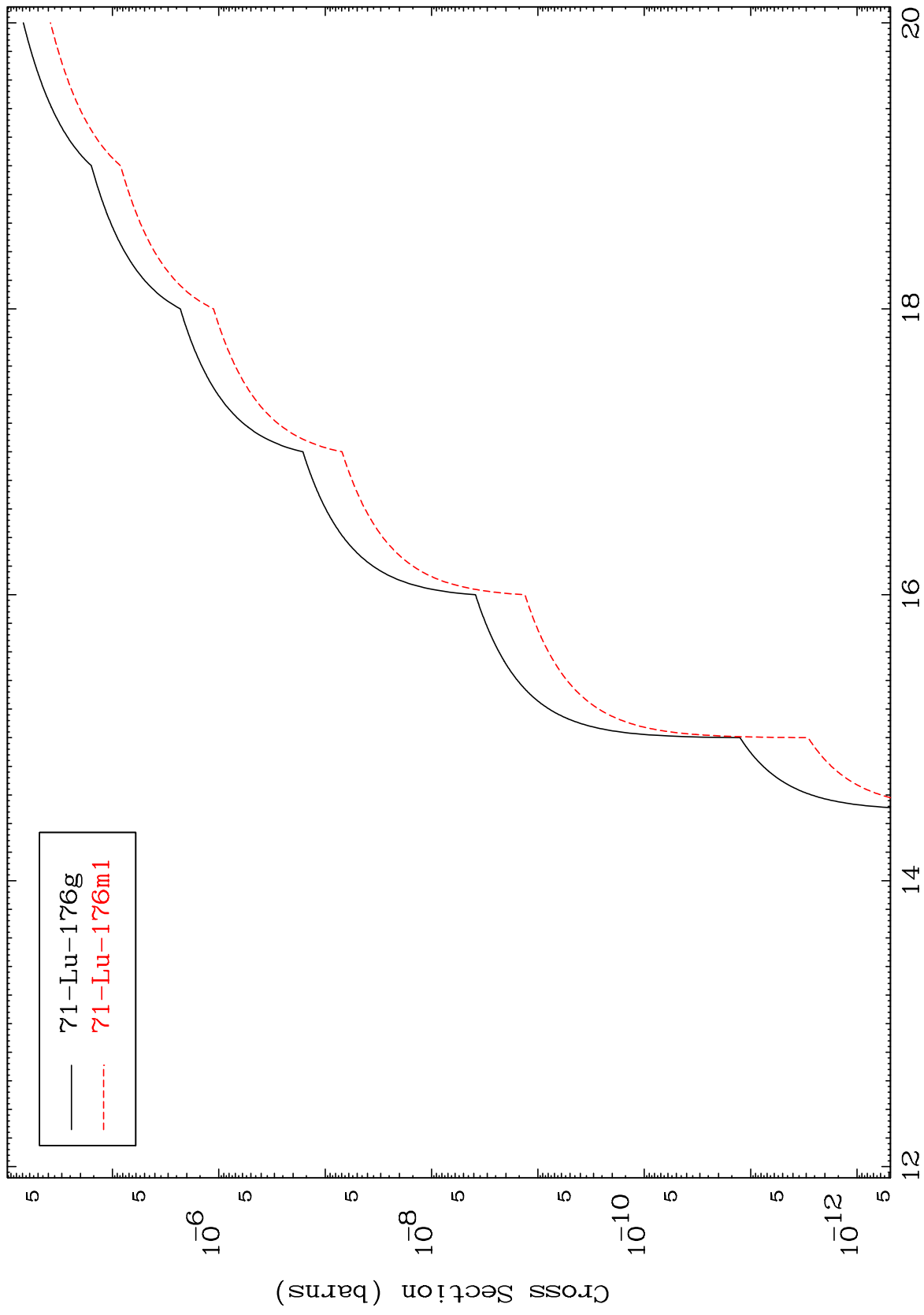
⁷²Hf-178n

MAT 7239

(n,2n) p

⁷²Hf-178n

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷²Hf-178n

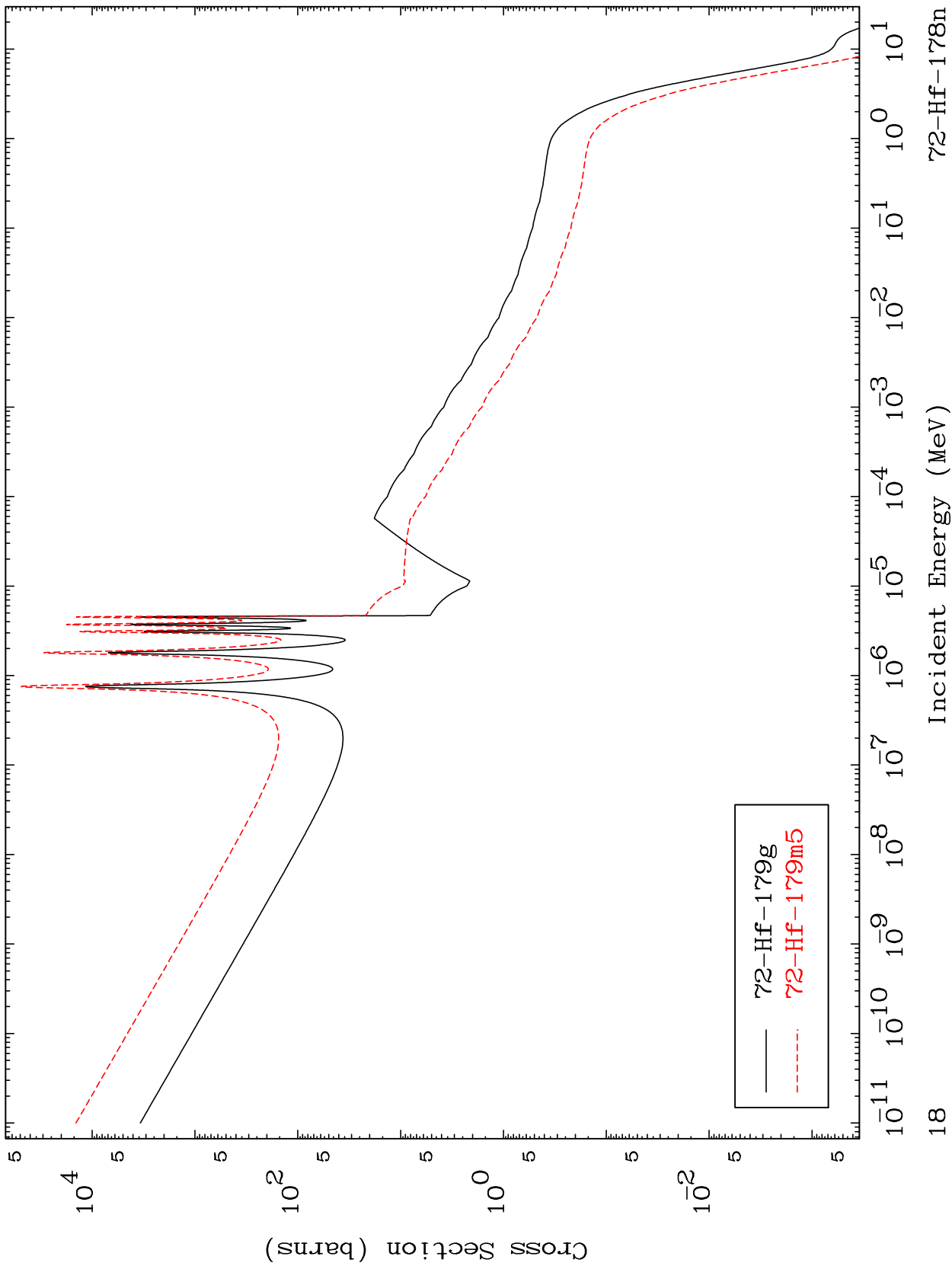
17

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⁷²Hf-178n

Radionuclide Production Cross Section

(n,γ)

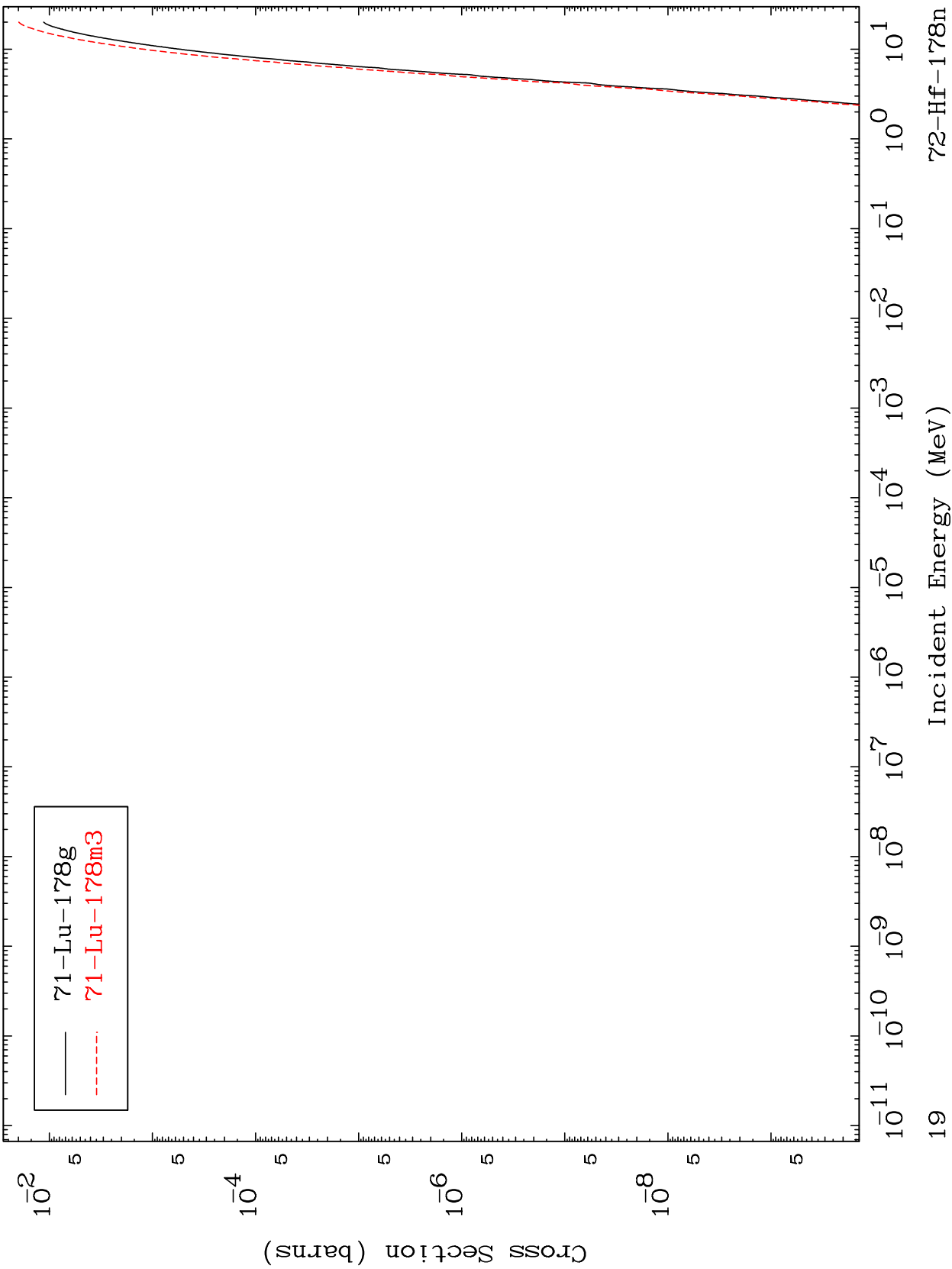


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(n,p)

⁷²Hf-178n

Radionuclide Production Cross Section

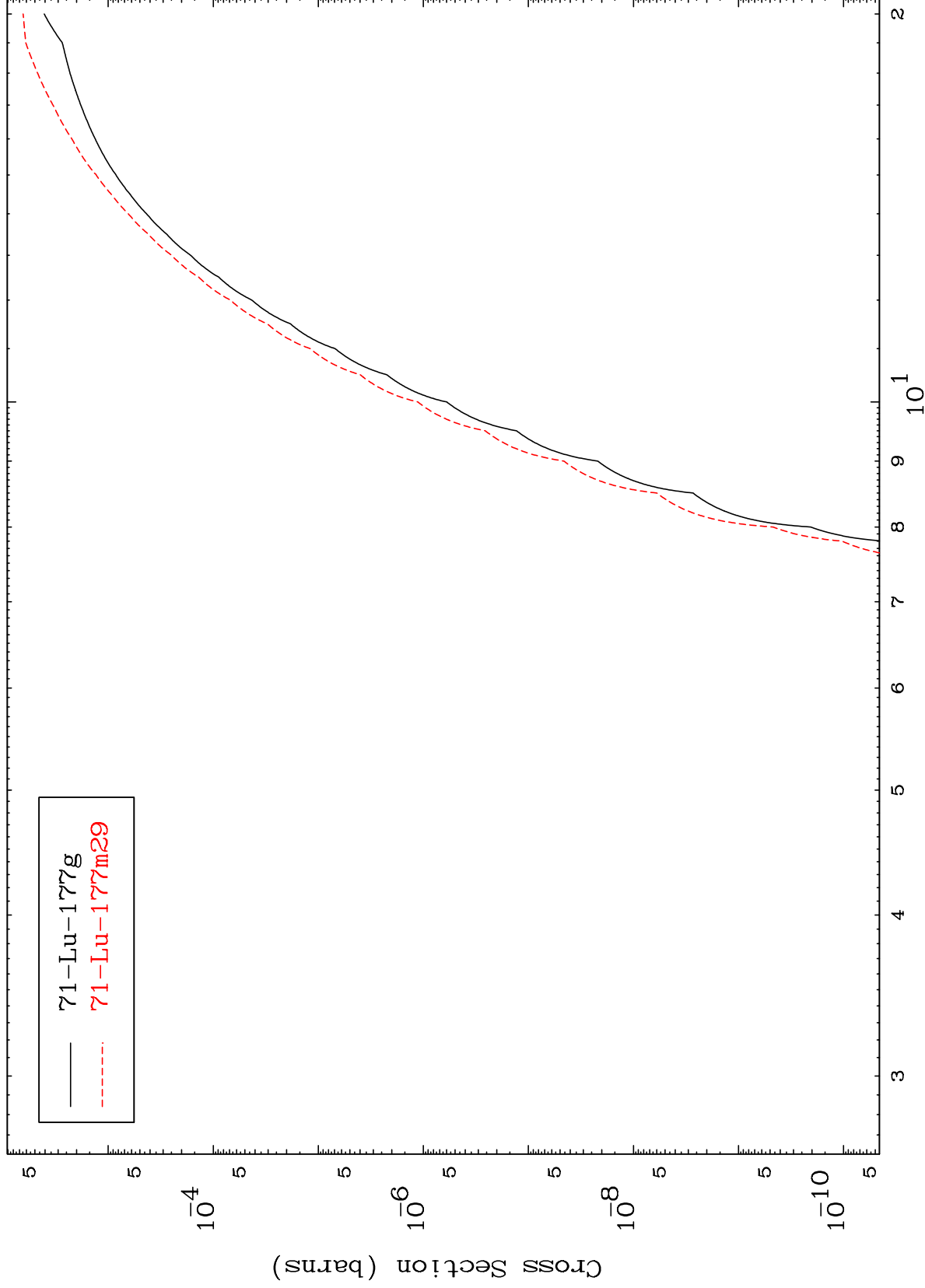


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(n,d)

⁷²Hf-178n

Radionuclide Production Cross Section



20

Incident Energy (MeV)

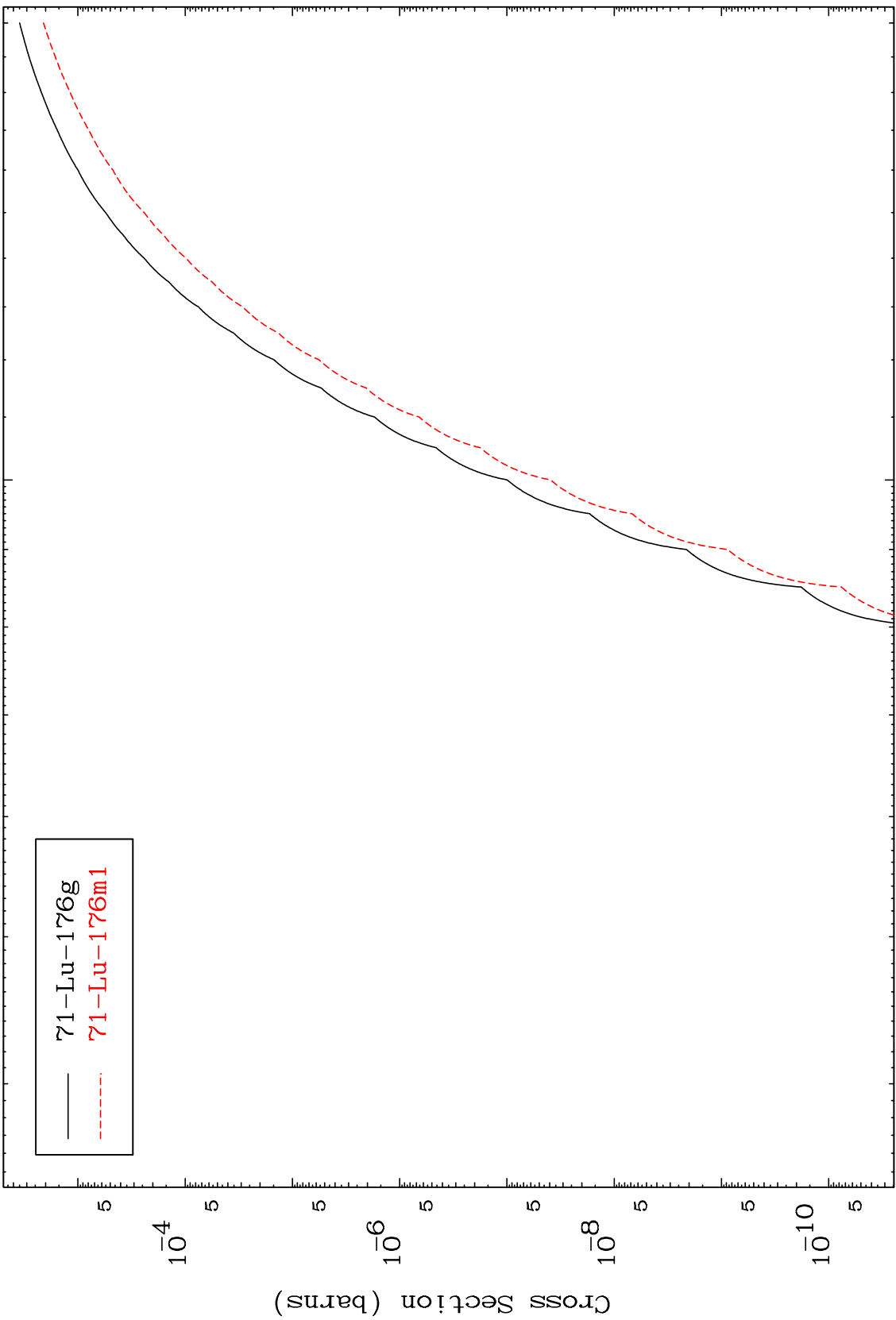
⁷²Hf-178n

MAT 7239

(n, t)

⁷²Hf-178n

Radionuclide Production Cross Section



— 71-Lu-176g
- - - 71-Lu-176m1

2

10¹

9

8

7

6

5

4

⁷²Hf-178n

Incident Energy (MeV)

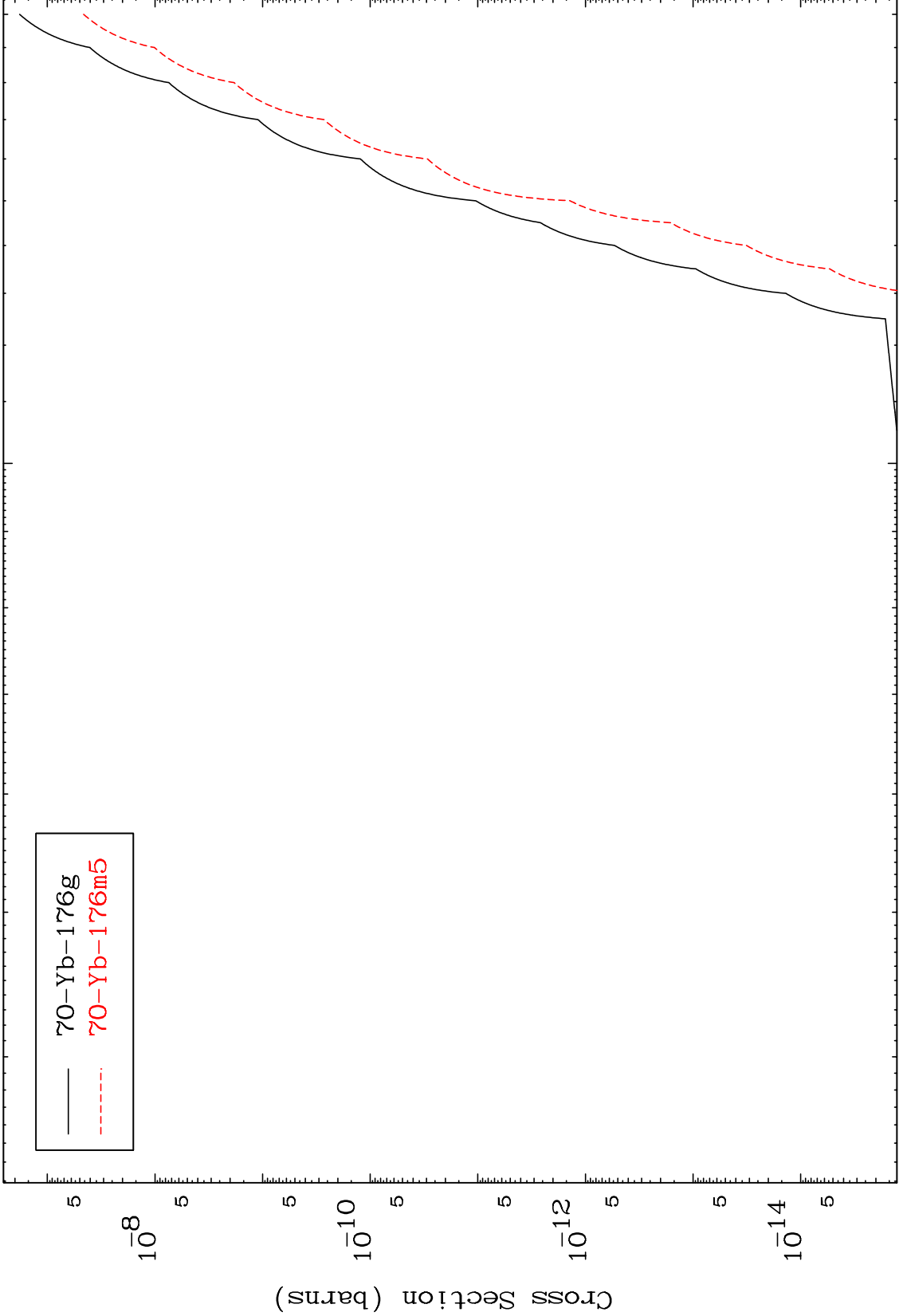
21

MAT 7239

(n,He-3)

⁷²Hf-178n

Radionuclide Production Cross Section



2

10¹

9

8

7

6

5

4

5

5

5

5

5

5

5

5

5

5

5

5

⁷²Hf-178n

Incident Energy (MeV)

22