

Program EVALPLOT
(Version 2021-1)

by

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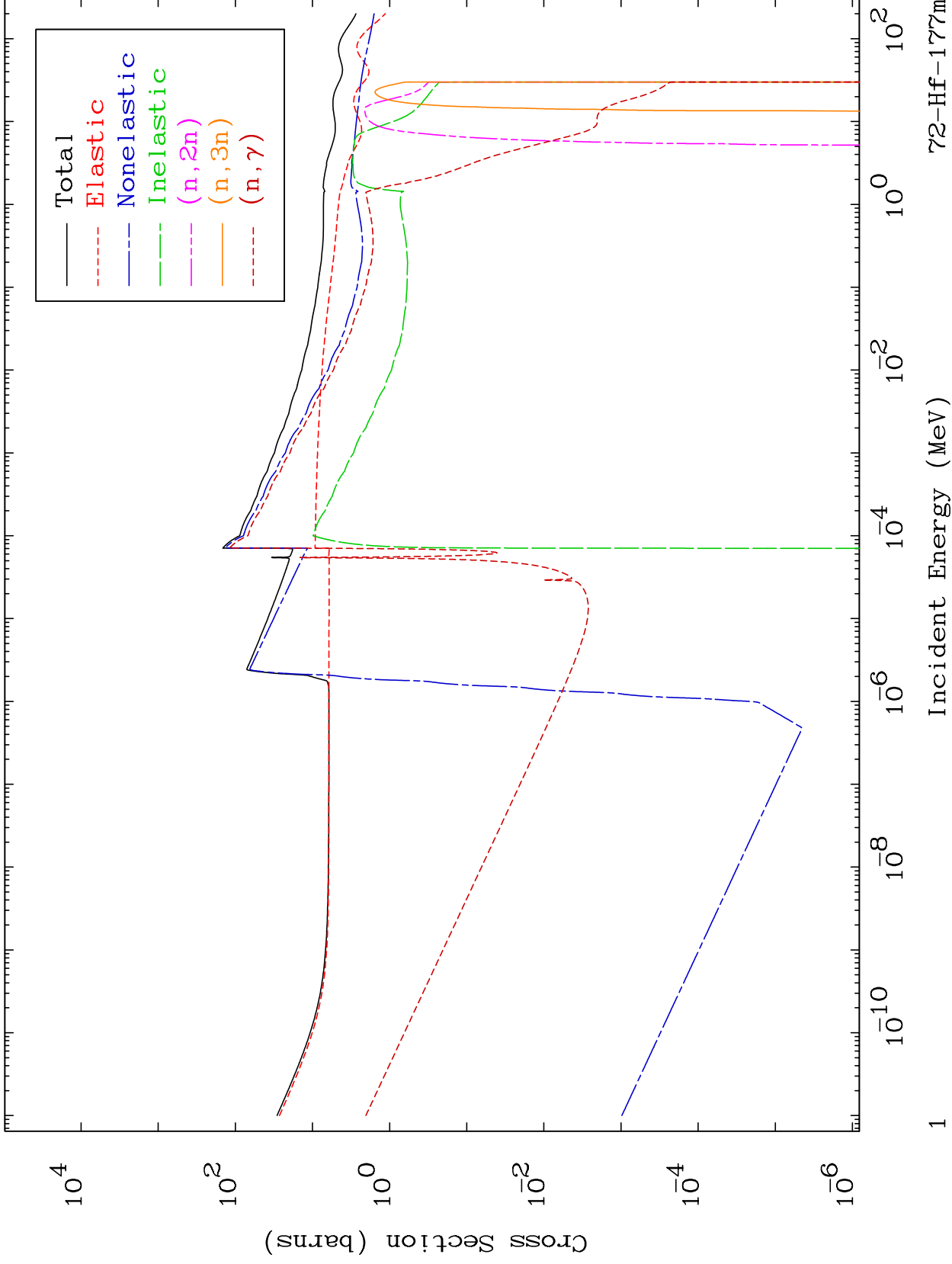
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7235

Neutron Major
293 Kelvin Cross Sections

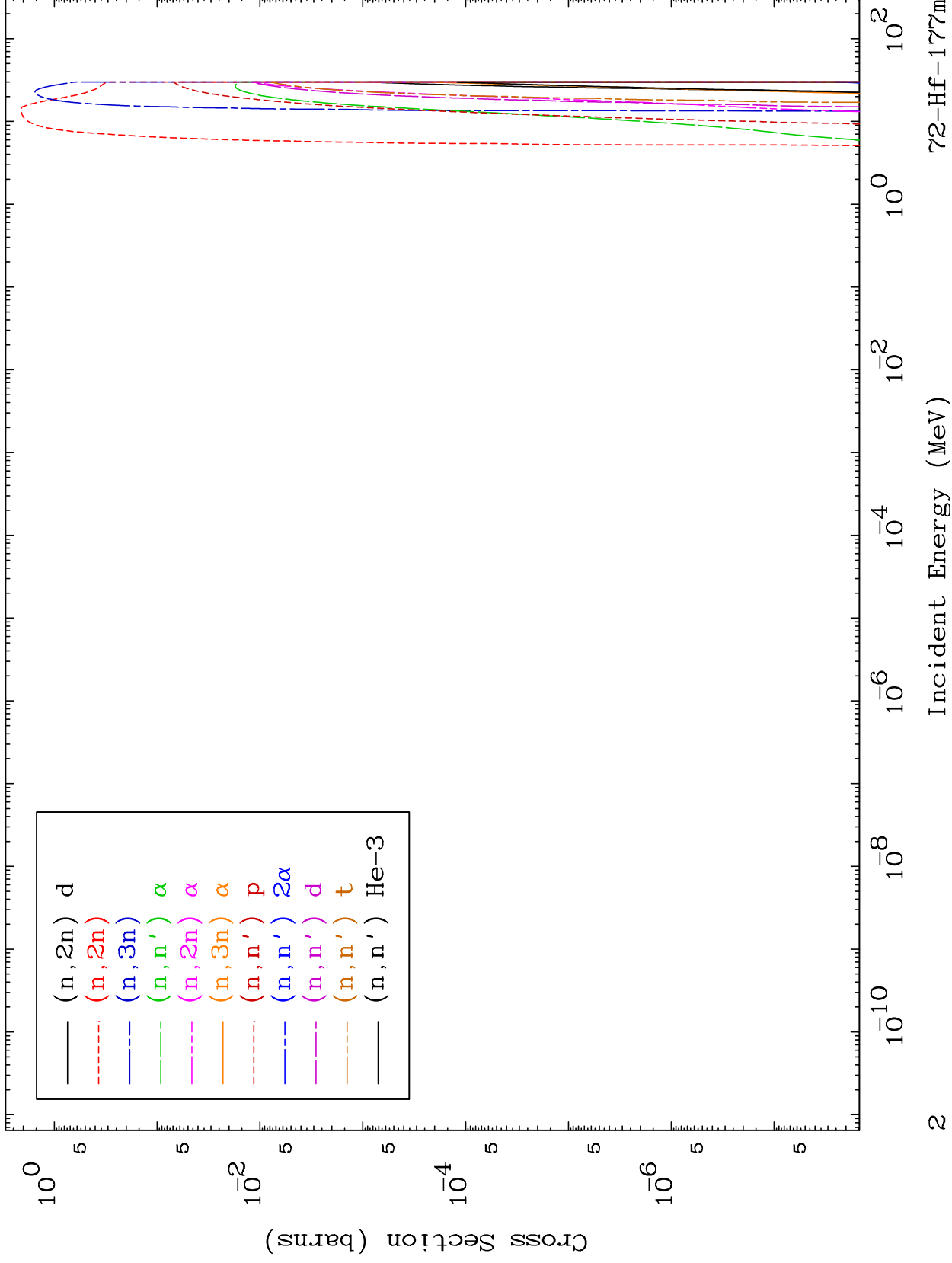
72-Hf-177m



MAT 7235

Neutron Absorption
293 Kelvin Cross Sections

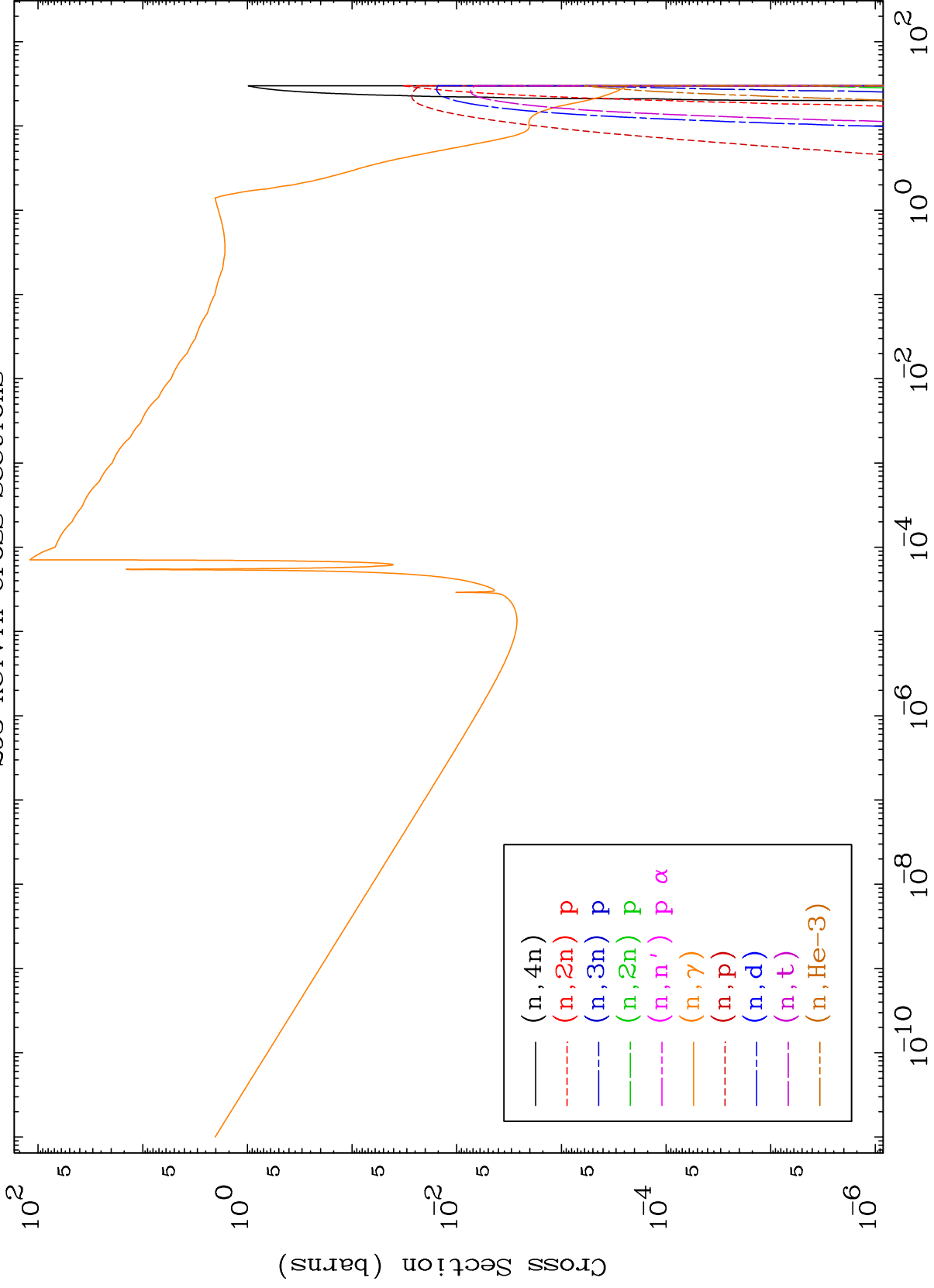
72-Hf-177m



MAT 7235

Neutron Absorption
293 Kelvin Cross Sections

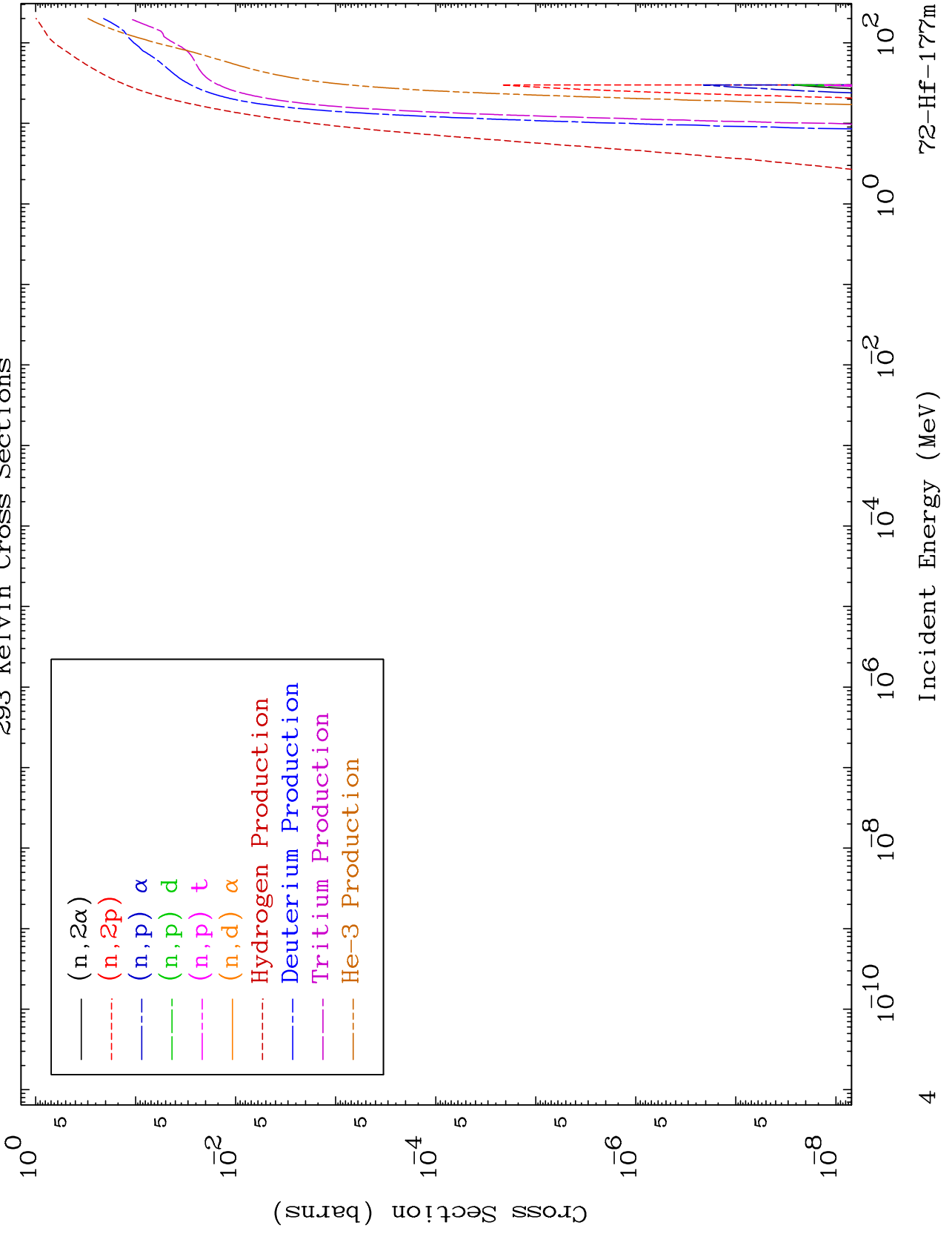
72-Hf-177m



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Neutron Absorption
293 Kelvin Cross Sections

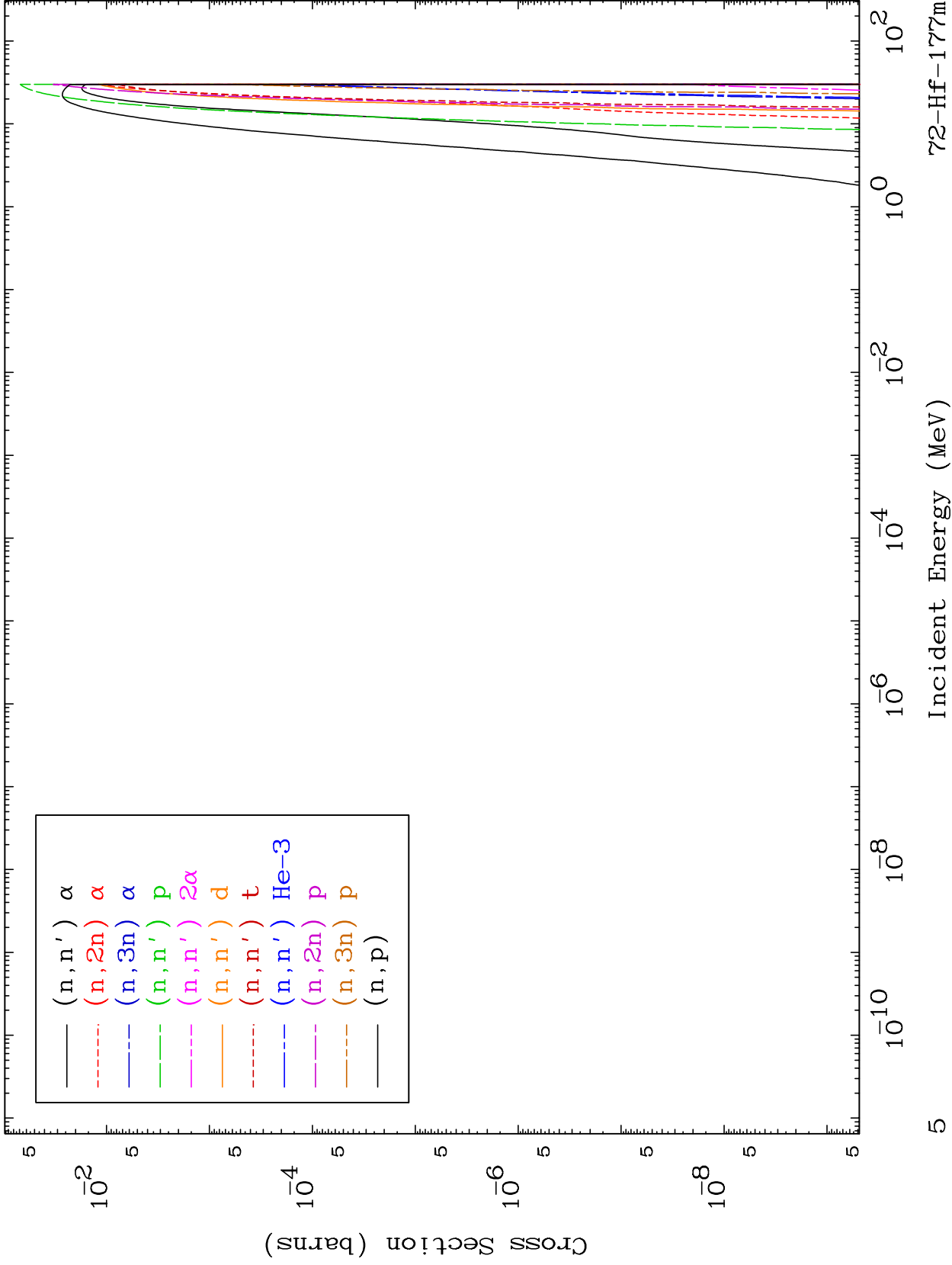
72-Hf-177m



MAT 7235

Charged Particle
293 Kelvin Cross Sections

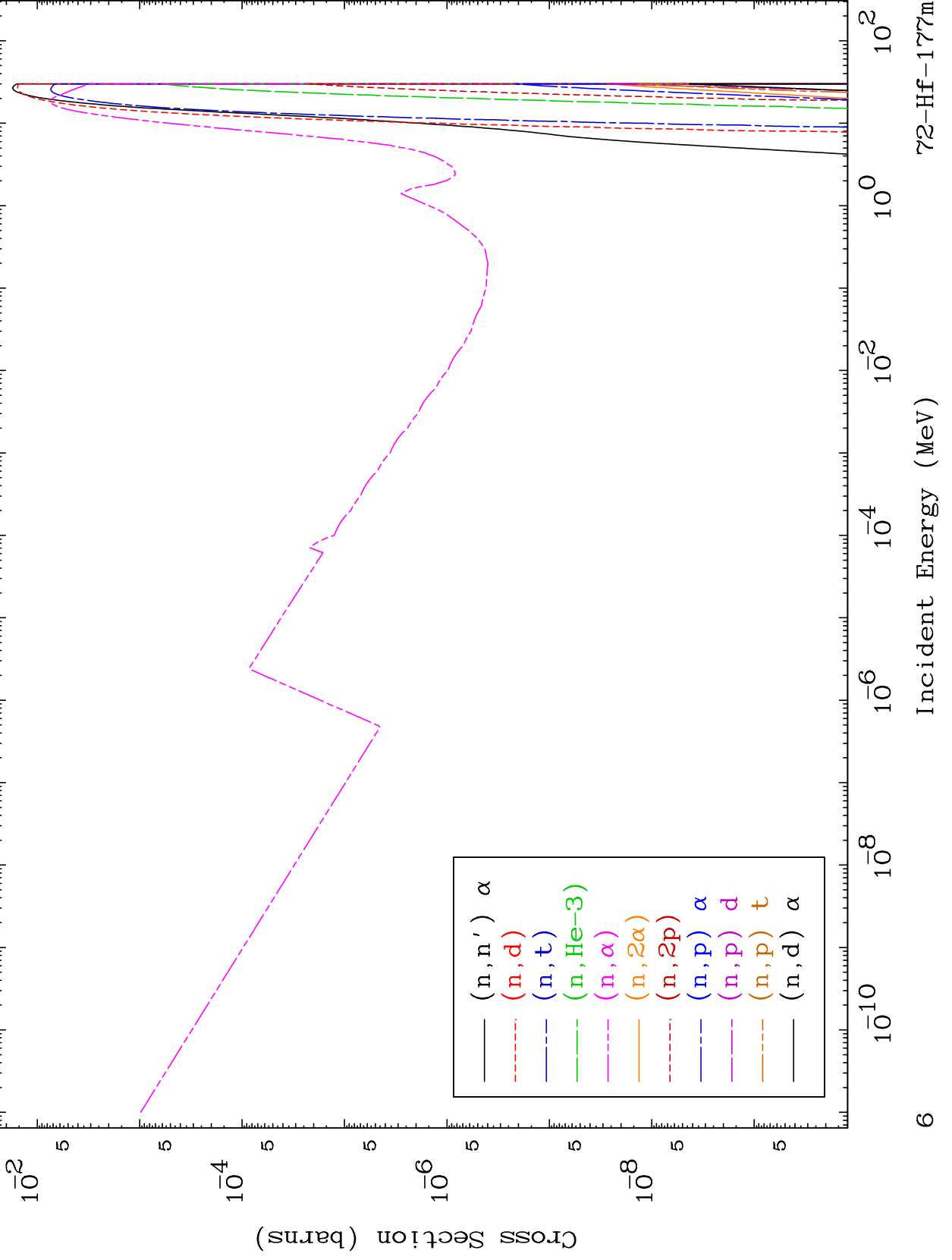
72-Hf-177m



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Charged Particle
293 Kelvin Cross Sections

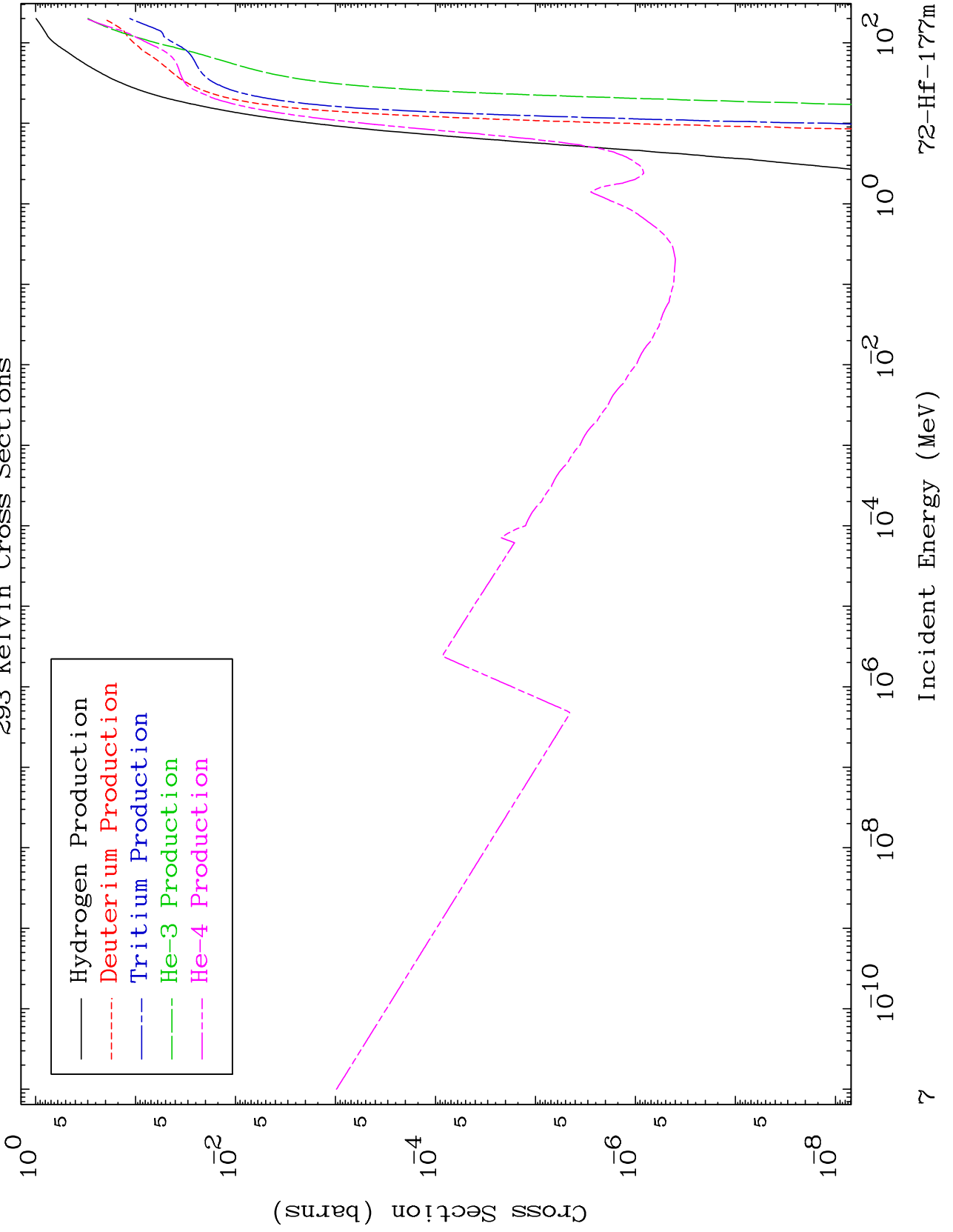
72-Hf-177m



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Particle Production
293 Kelvin Cross Sections

⁷²Hf-177m

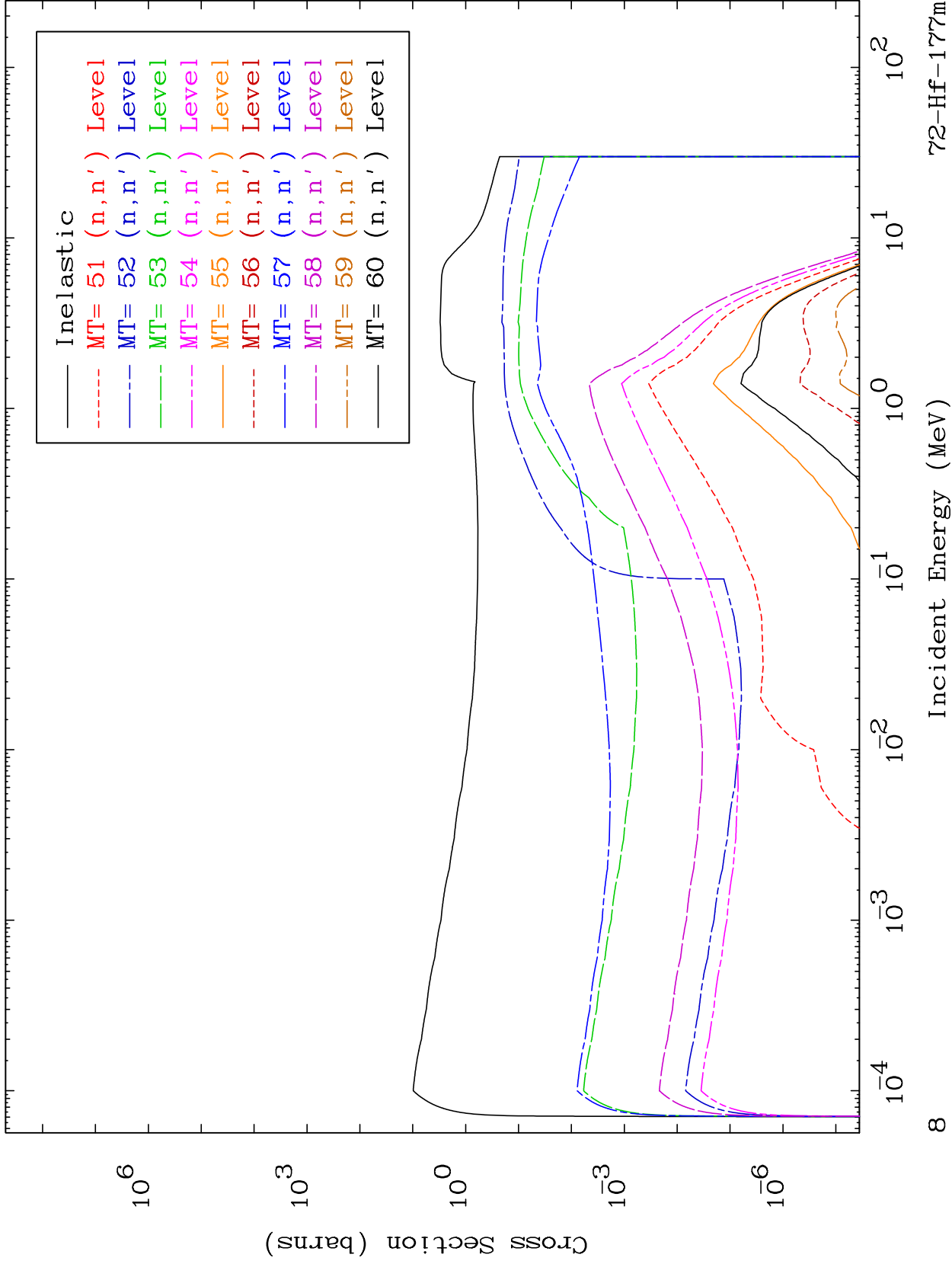


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(n,n') Levels

293 Kelvin Cross Sections

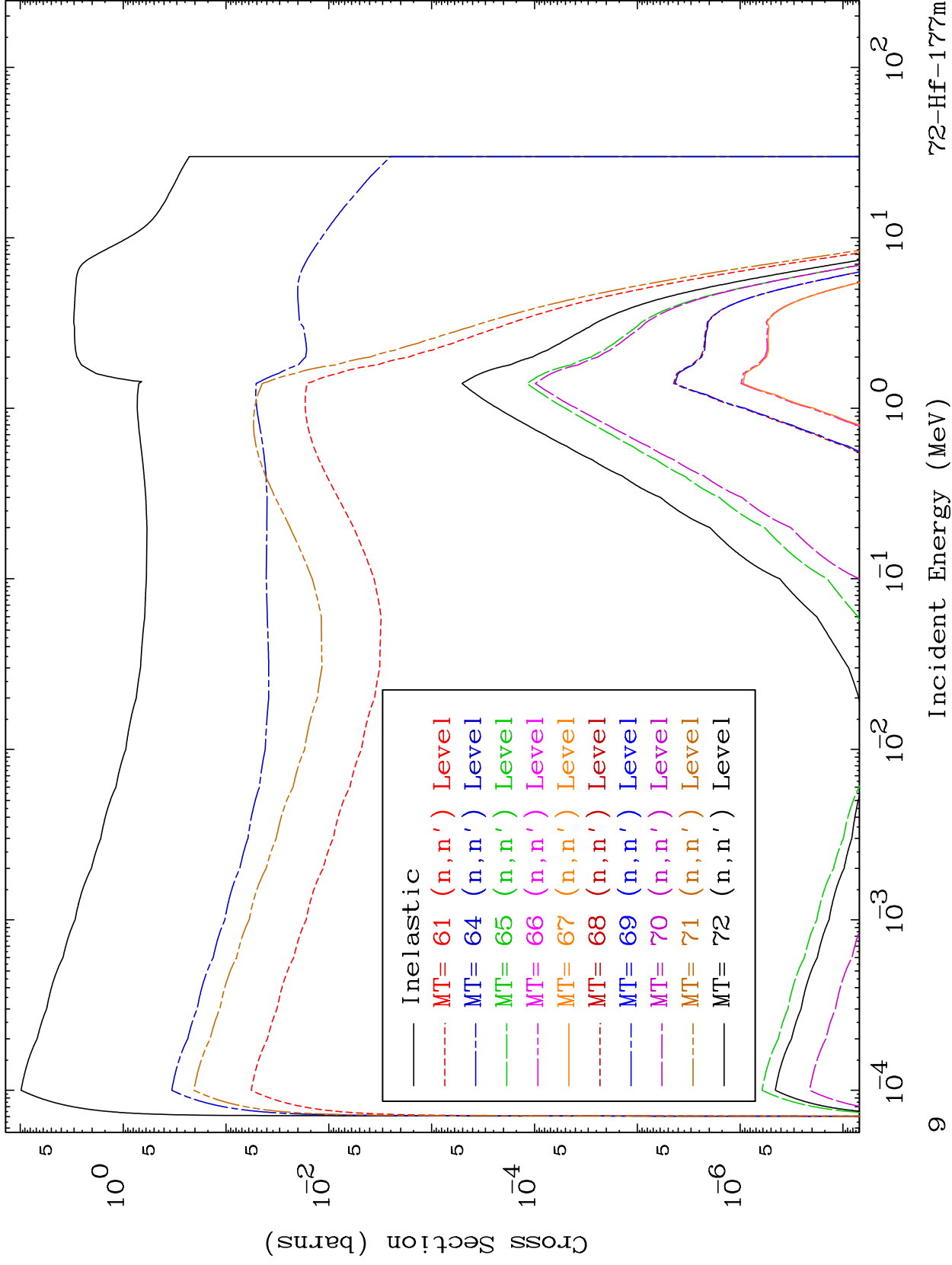
72-Hf-177m



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(n,n') Levels
293 Kelvin Cross Sections

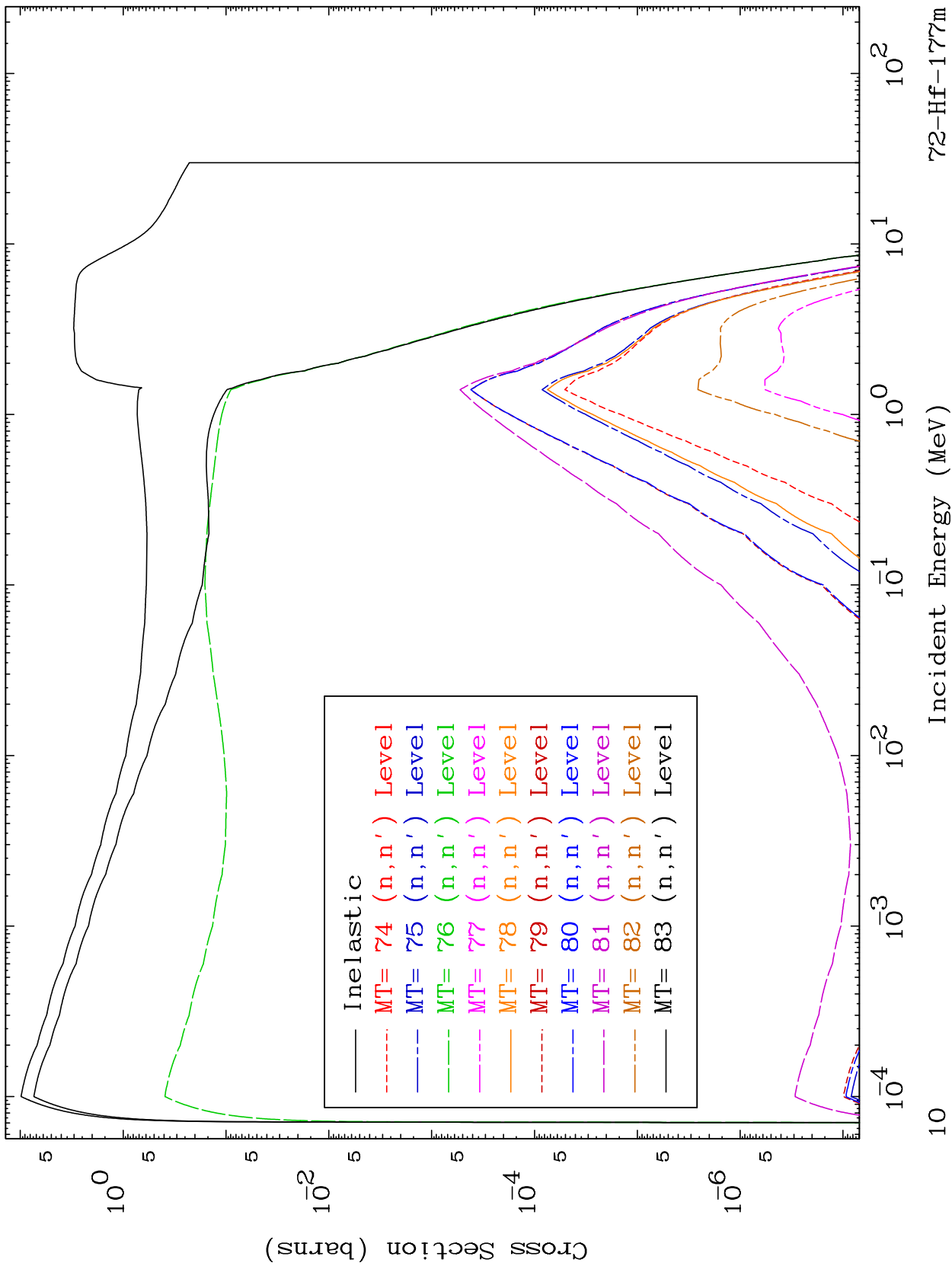
72-Hf-177m



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(n,n') Levels
293 Kelvin Cross Sections

72-Hf-177m



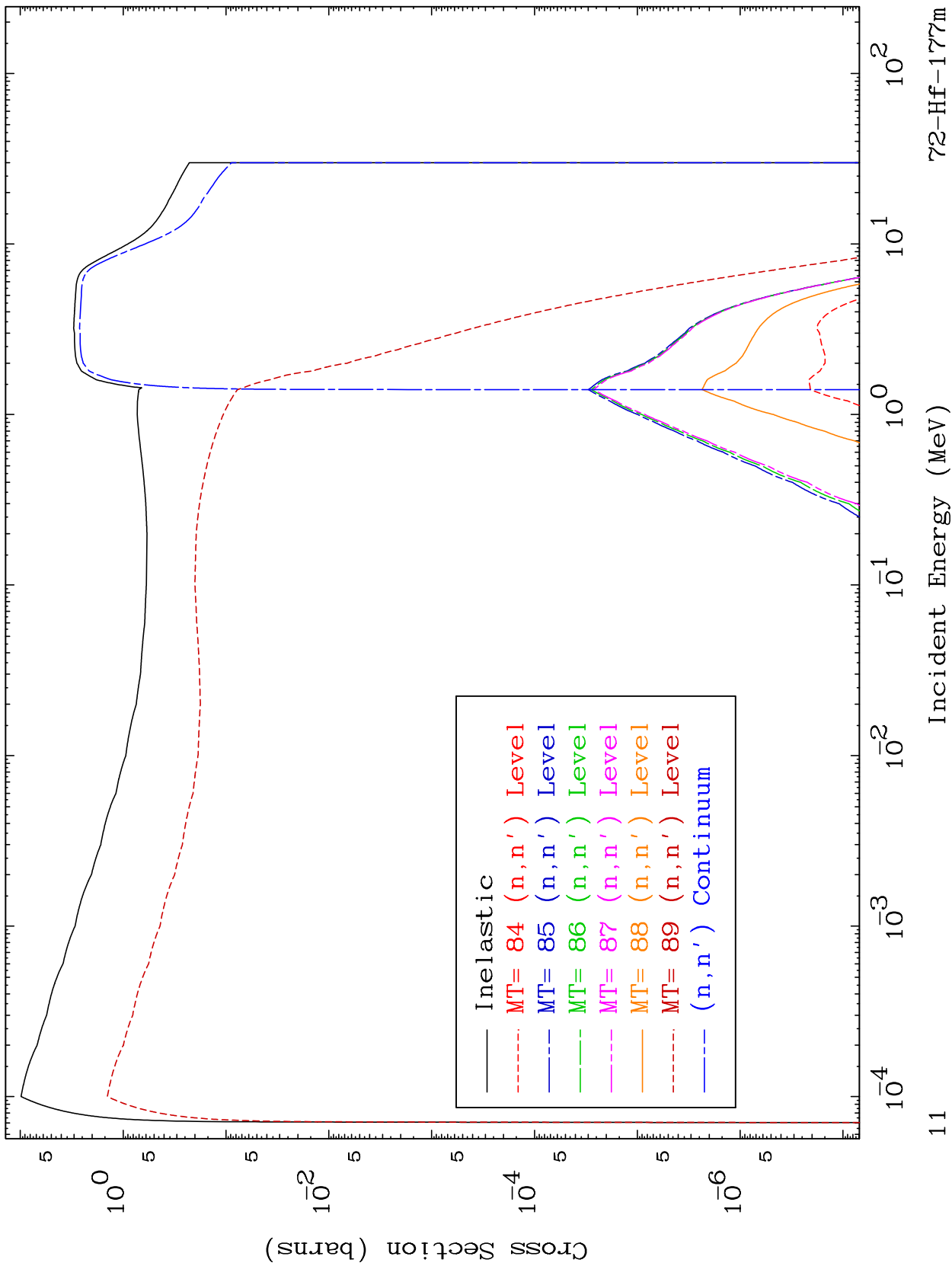
72-Hf-177m

Incident Energy (MeV)

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(n,n') Levels
293 Kelvin Cross Sections

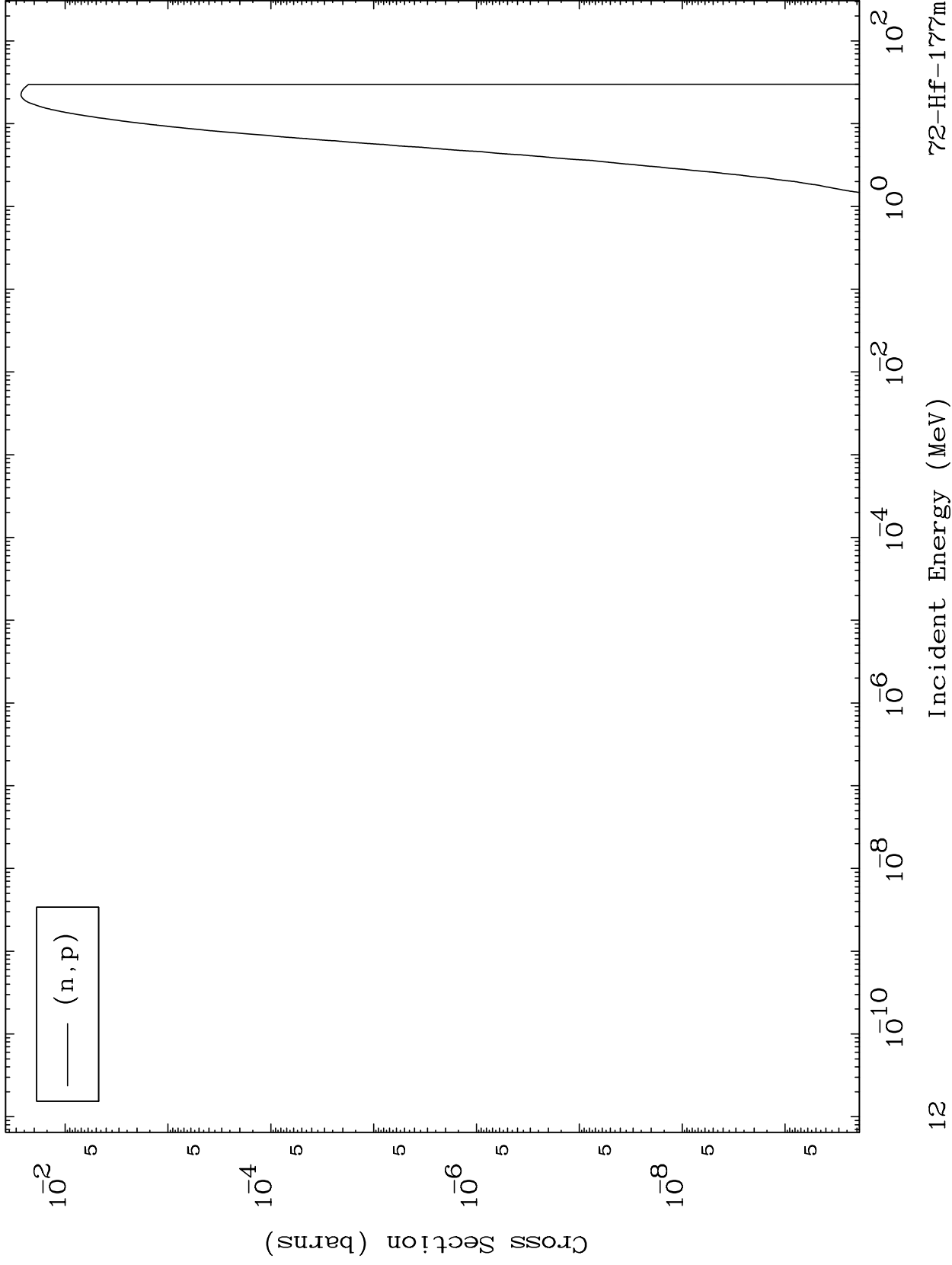
72-Hf-177m



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(n,p) Levels
293 Kelvin Cross Sections

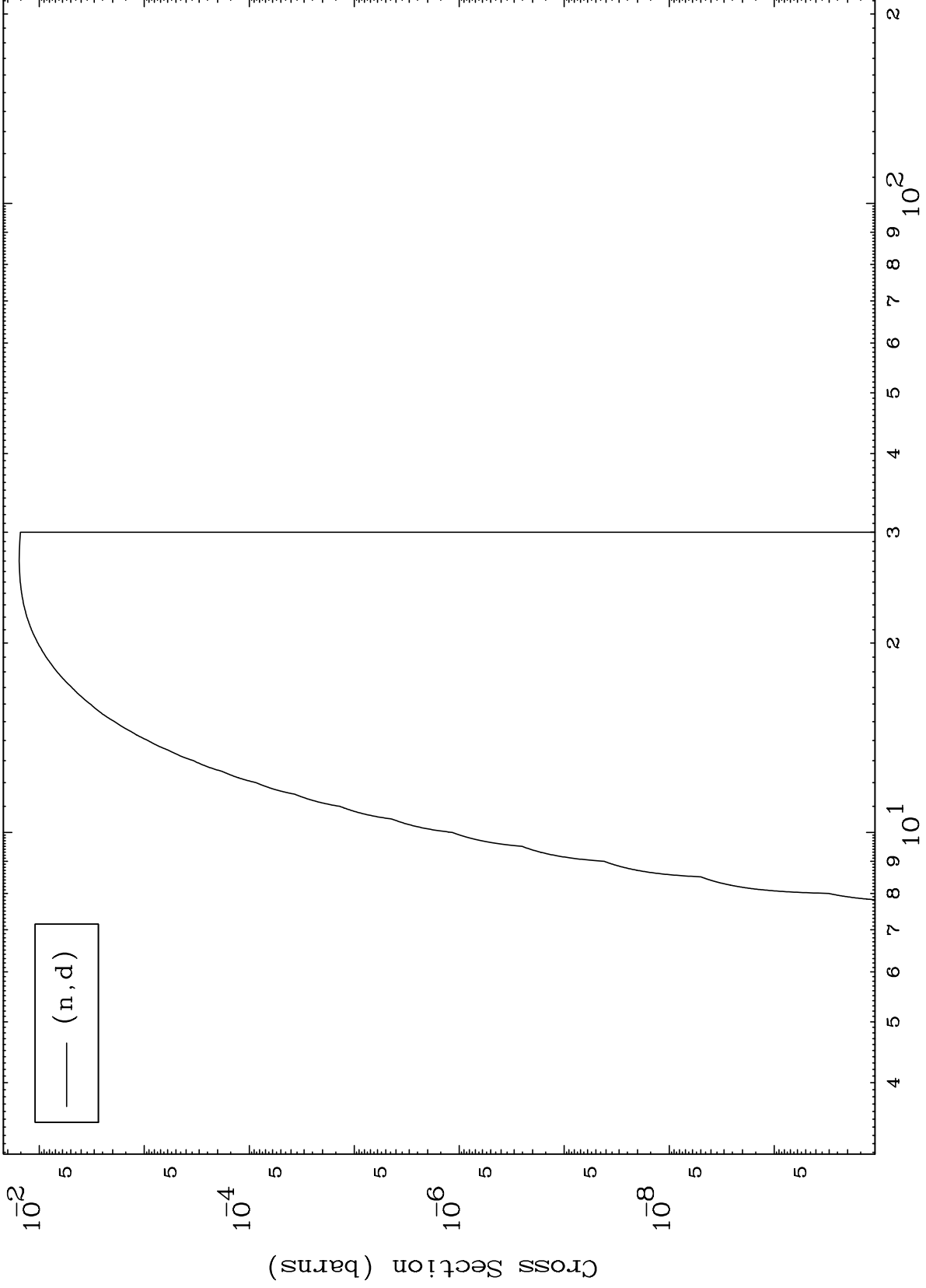
72-Hf-177m



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(n,d) Levels
293 Kelvin Cross Sections

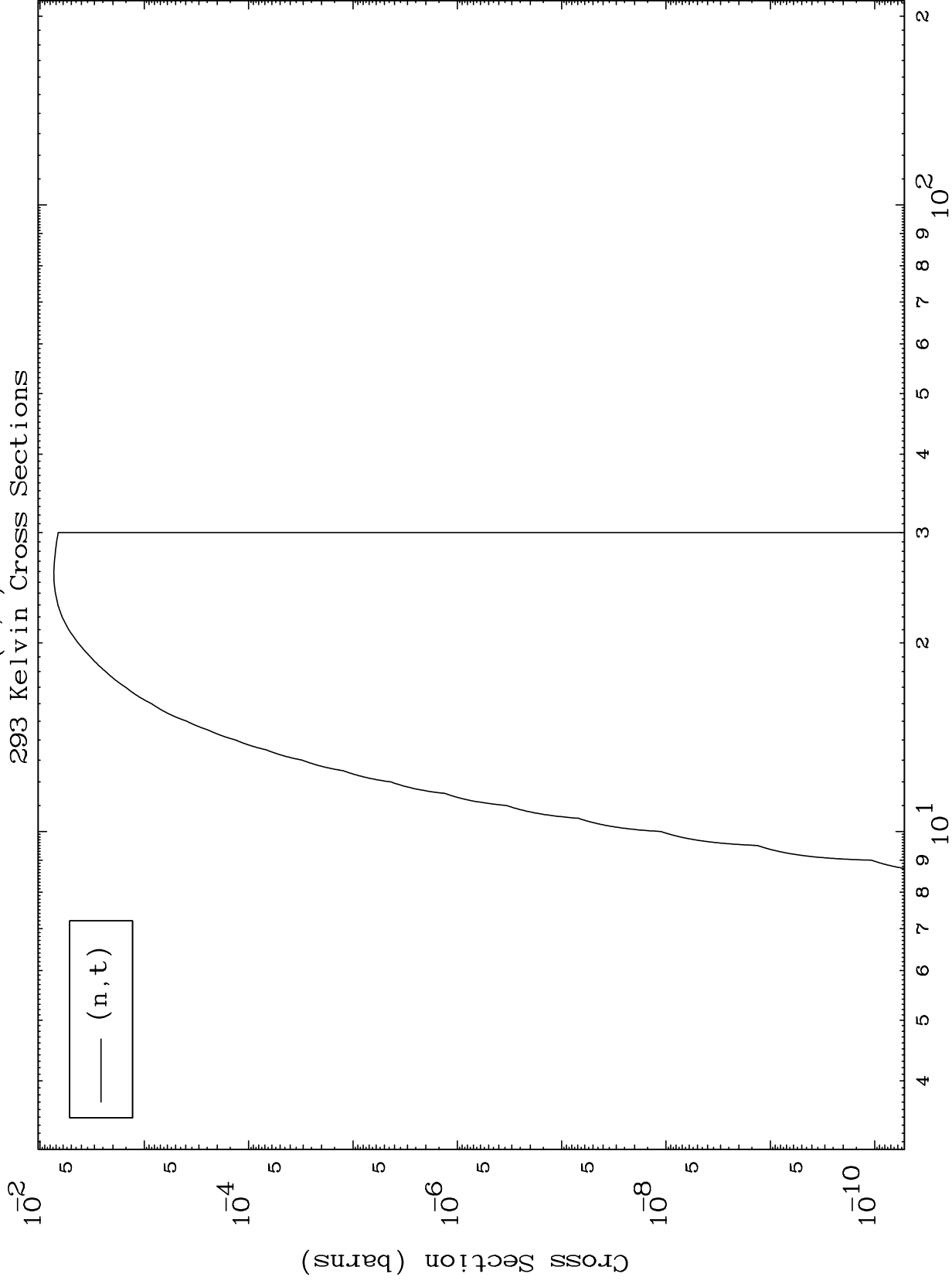
⁷²Hf-177m



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(n,t) Levels
293 Kelvin Cross Sections

72-Hf-177m



14

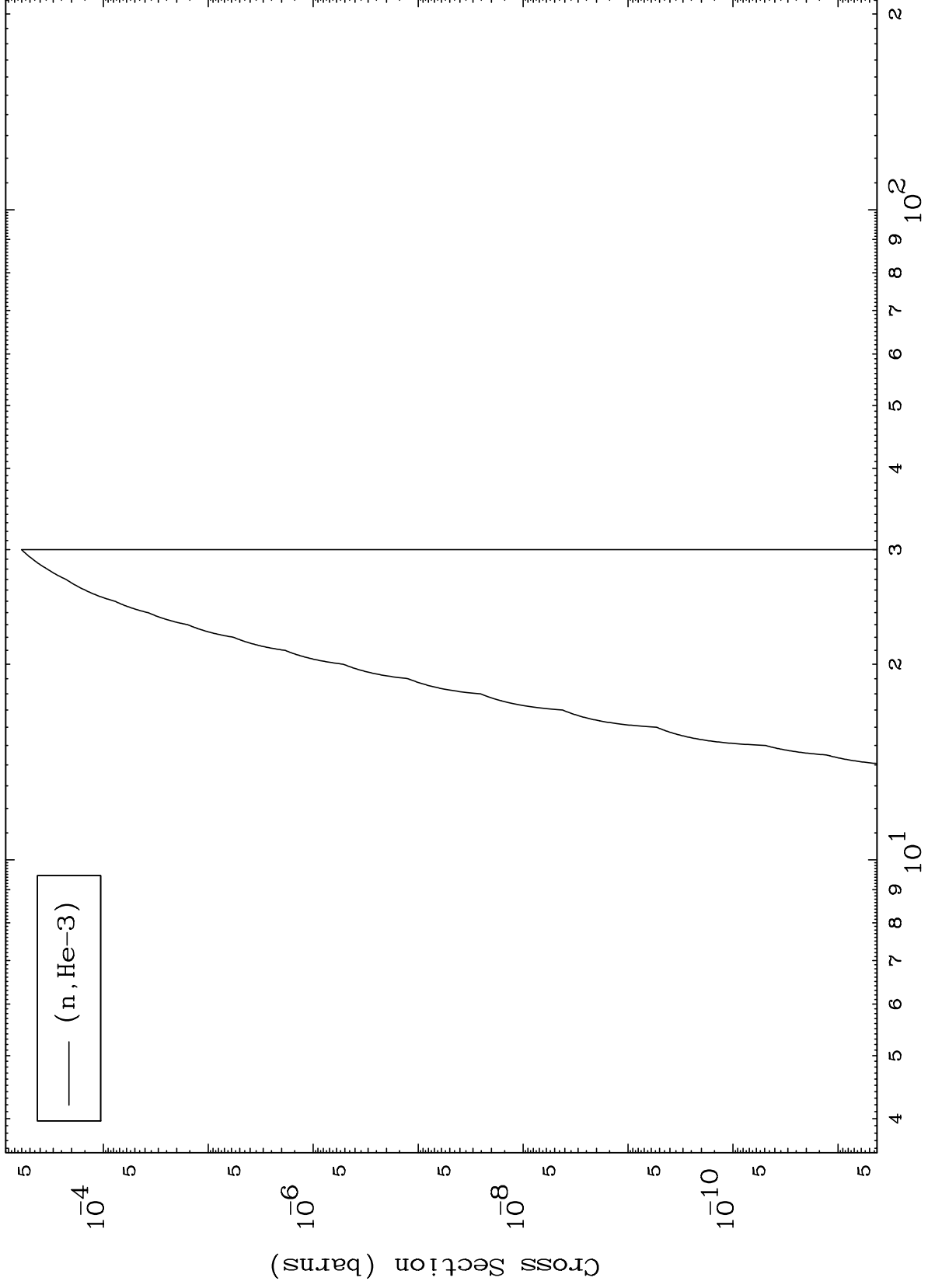
Incident Energy (MeV)

72-Hf-177m

MAT 7235

(n,He3) Levels
293 Kelvin Cross Sections

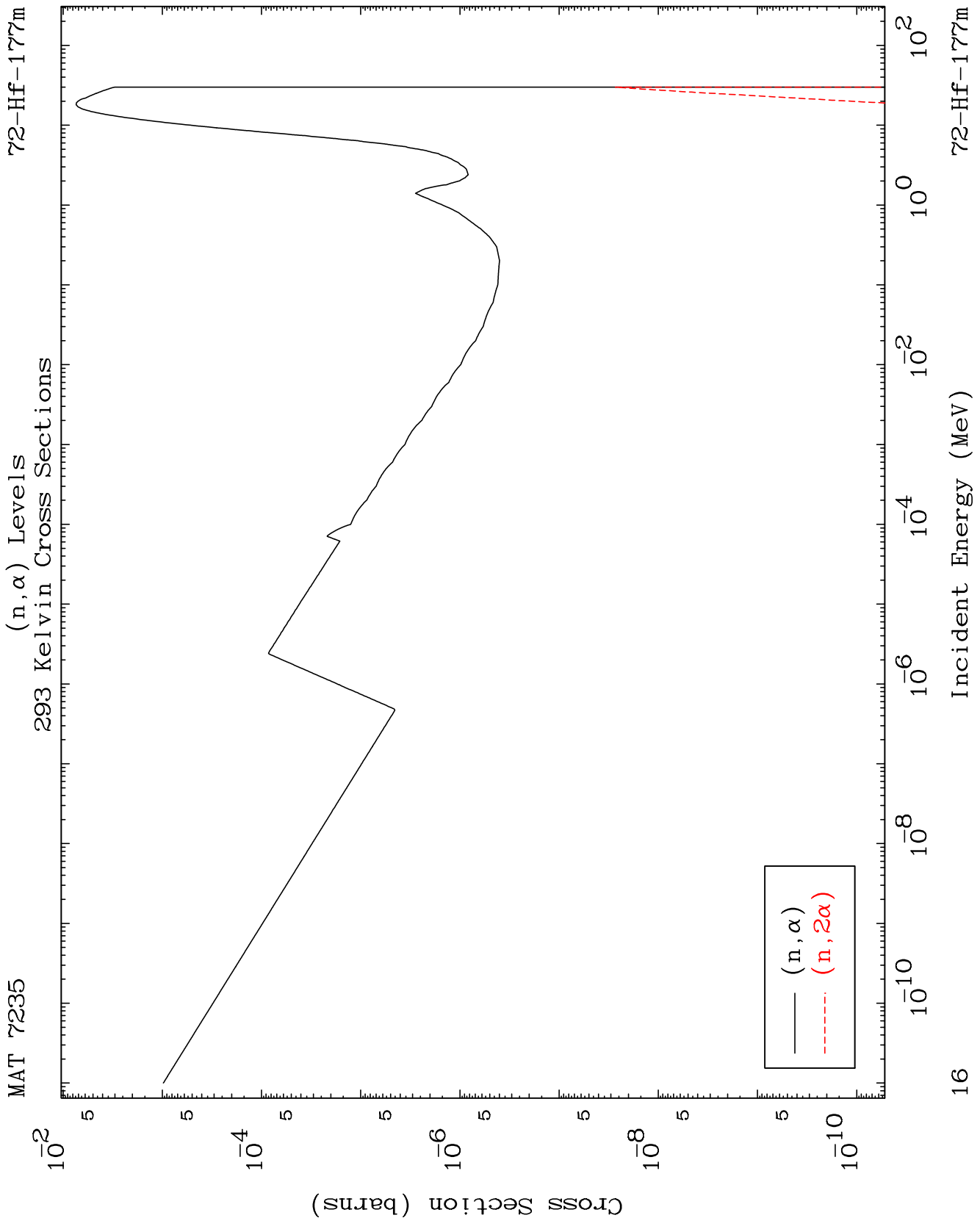
72-Hf-177m



15

Incident Energy (MeV)

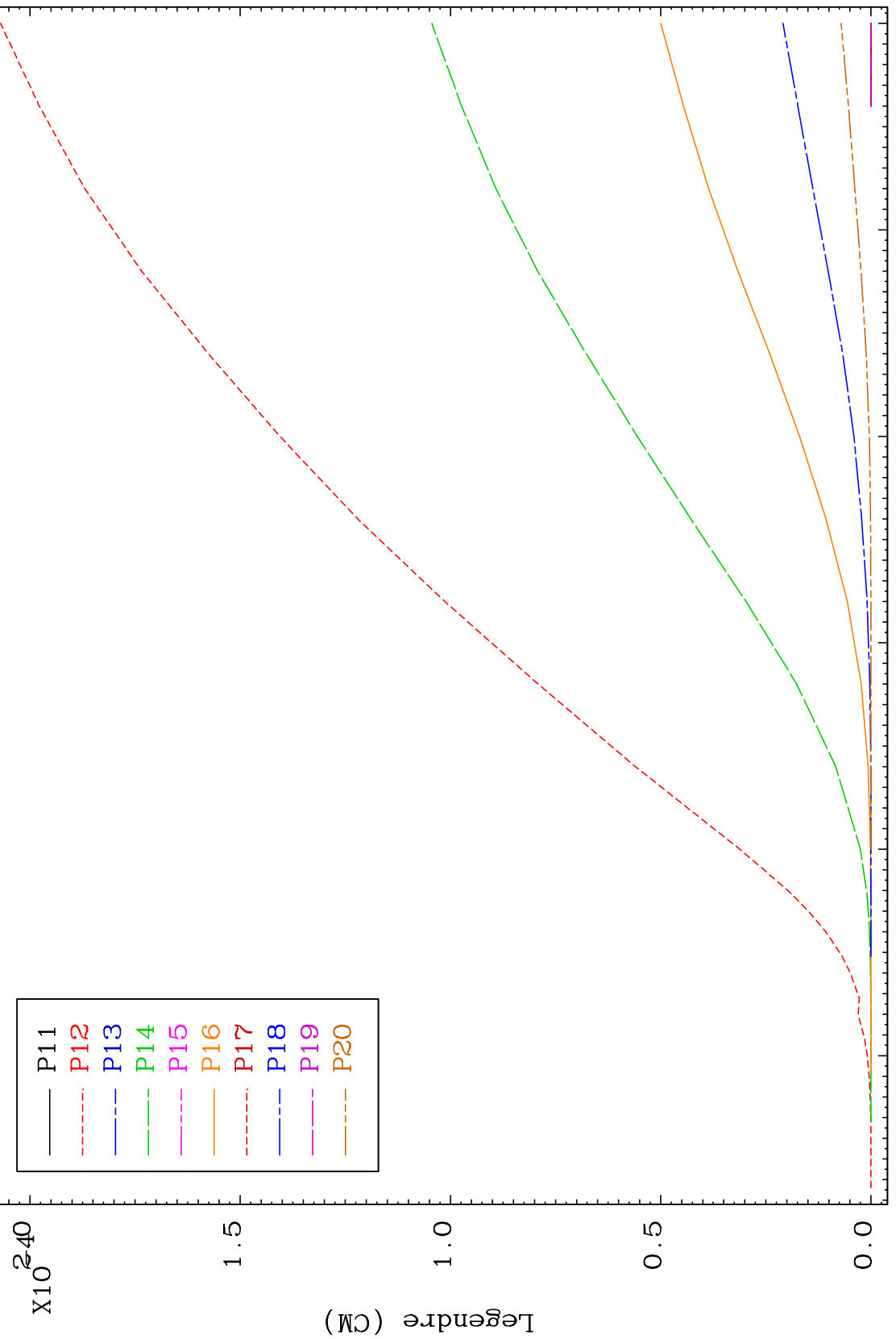
72-Hf-177m



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Elastic Legendre Coefficients

72-Hf-177m



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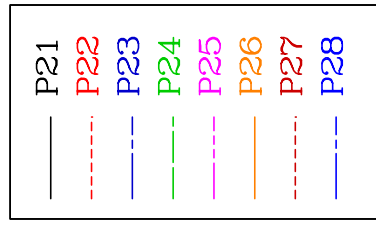
Incident Energy (MeV)

72-Hf-177m

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Elastic
Legendre Coefficients

⁷²Hf-177m



Legendre (CM)
 $\times 10^{-6}$



19

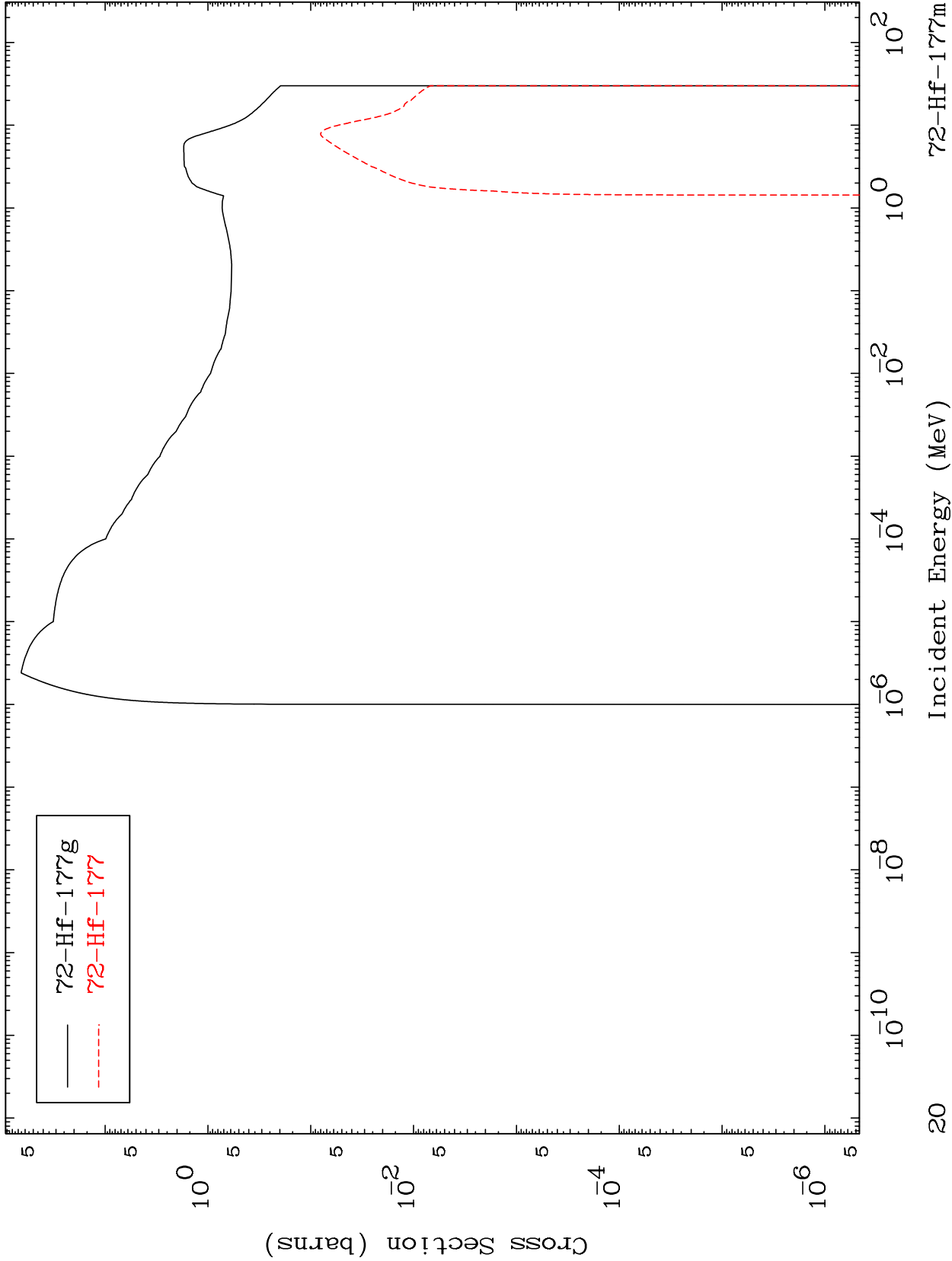
Incident Energy (MeV)

⁷²Hf-177m

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Inelastic
Radionuclide Production Cross Section

⁷²Hf-177m

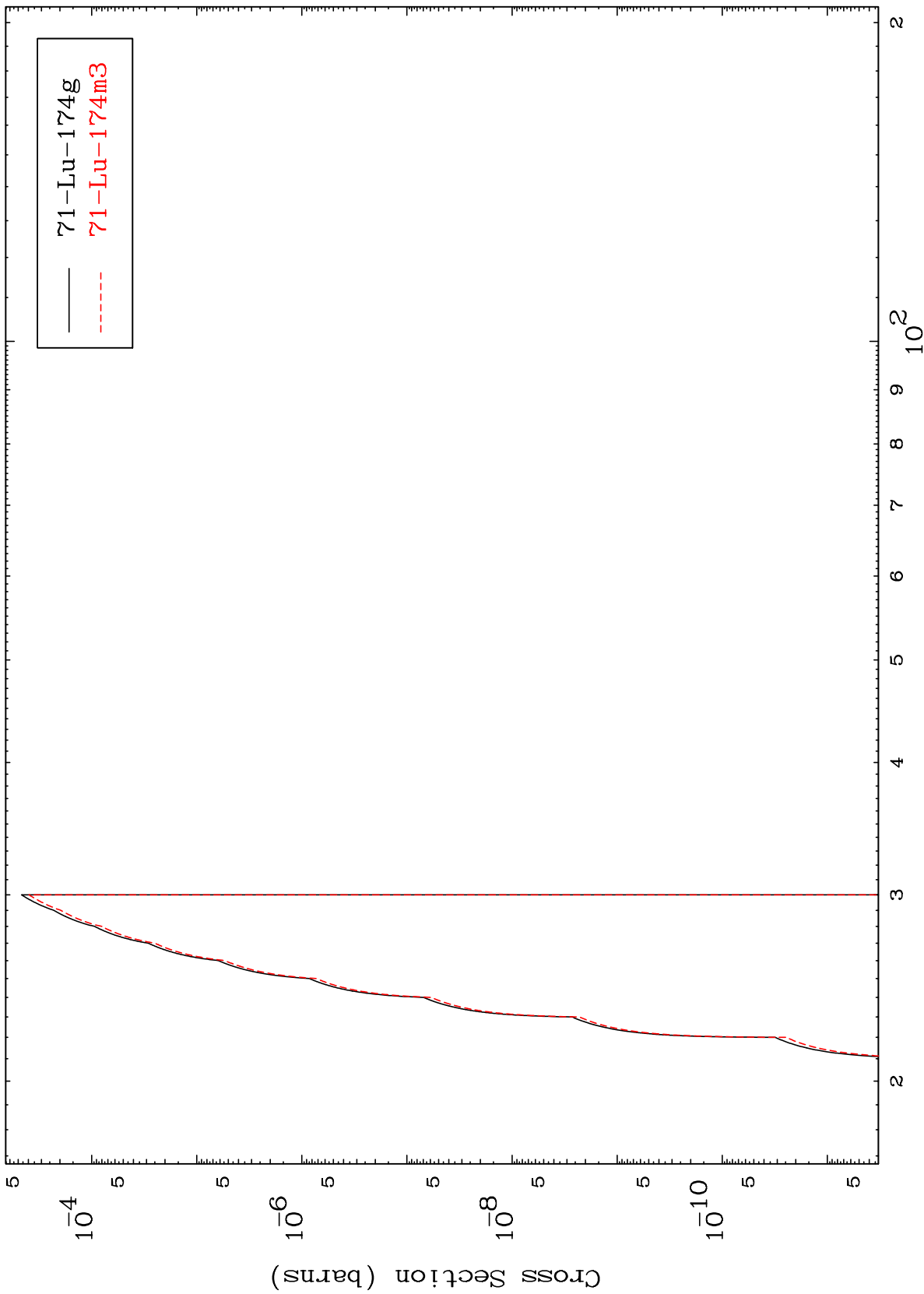


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(n,2n) d

⁷²Hf-177m

Radionuclide Production Cross Section

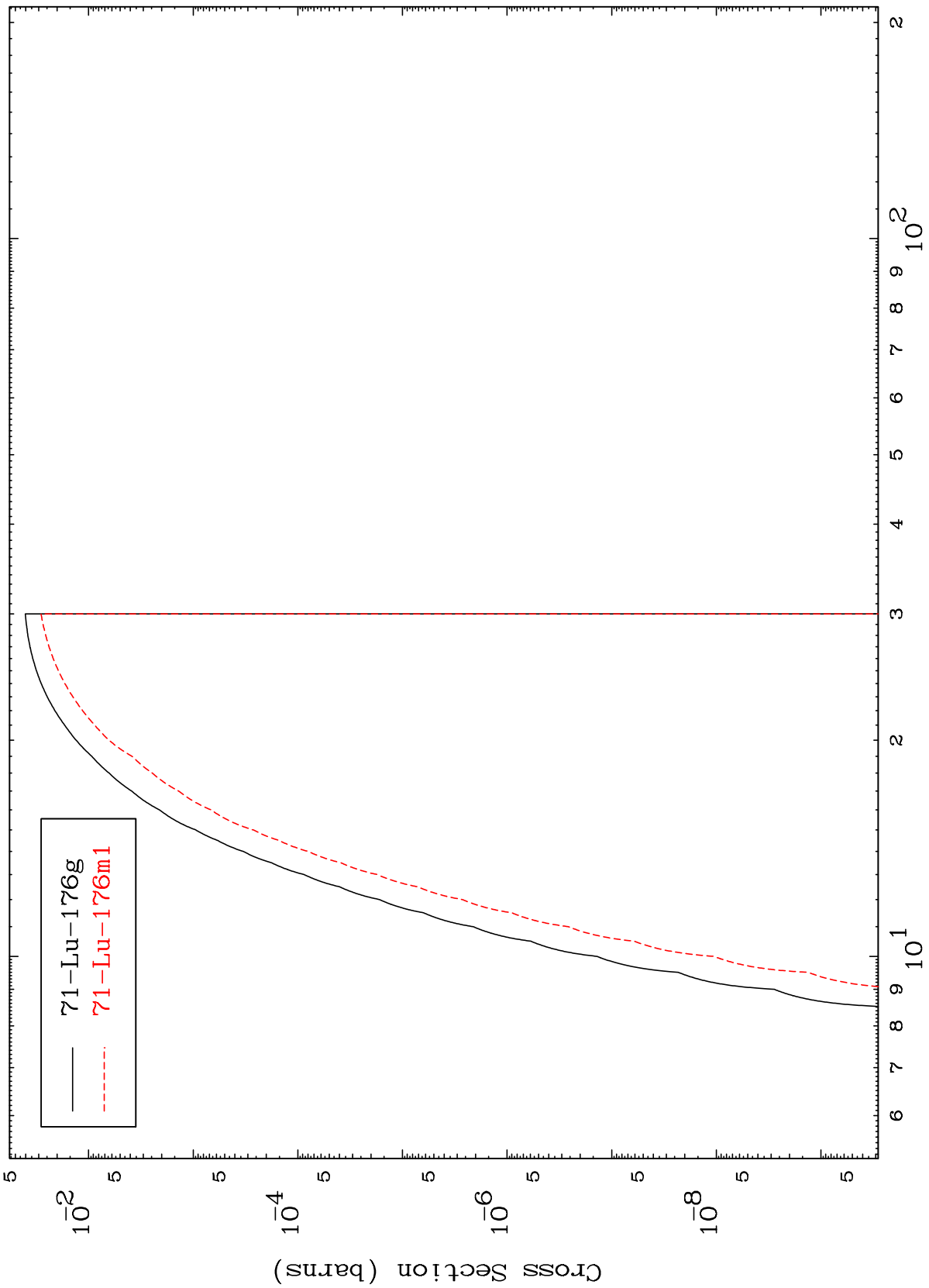


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(n,n') p

⁷²Hf-177m

Radionuclide Production Cross Section



Incident Energy (MeV)

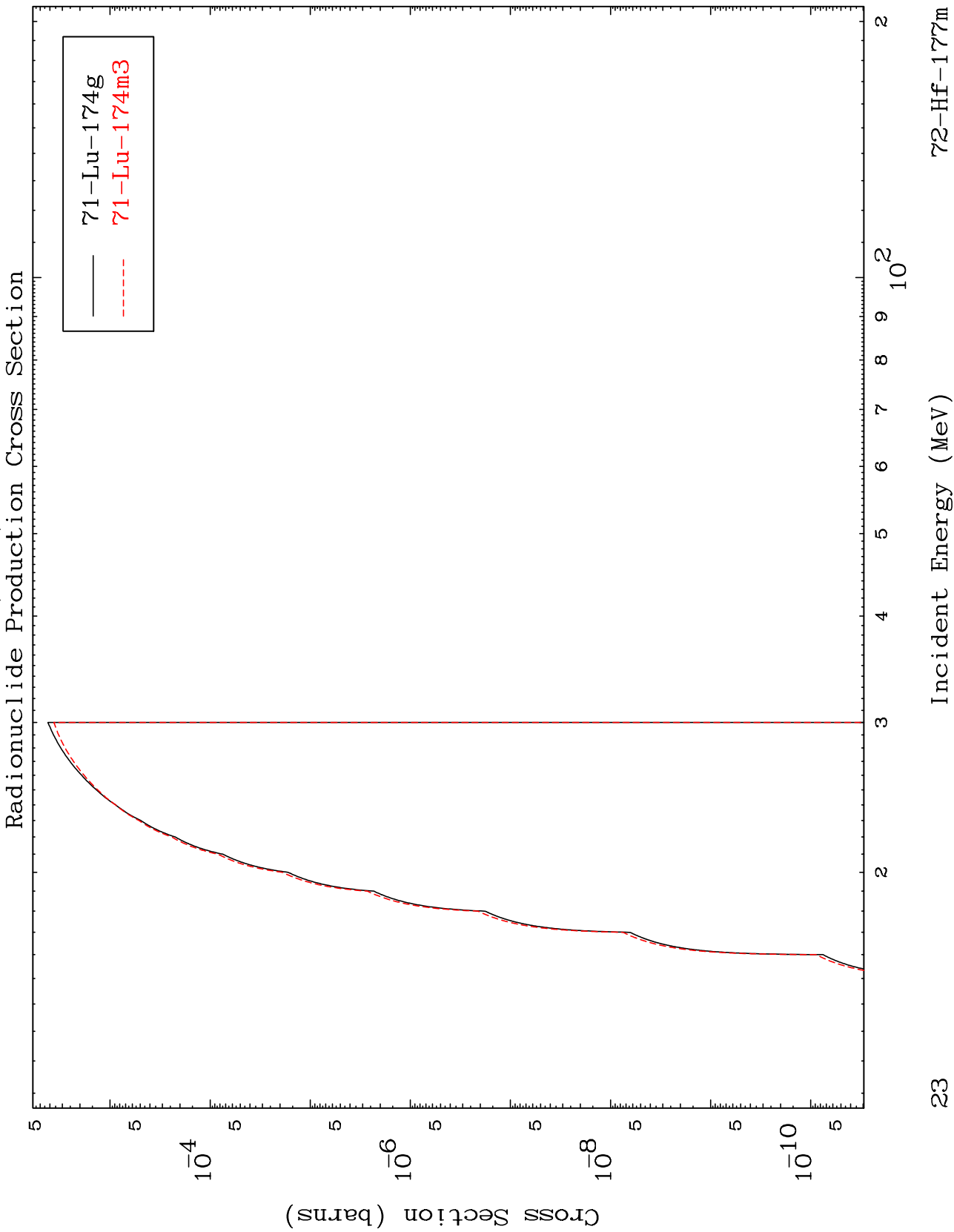
⁷²Hf-177m

22

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(n,n') t

72-Hf-177m



23

Incident Energy (MeV)

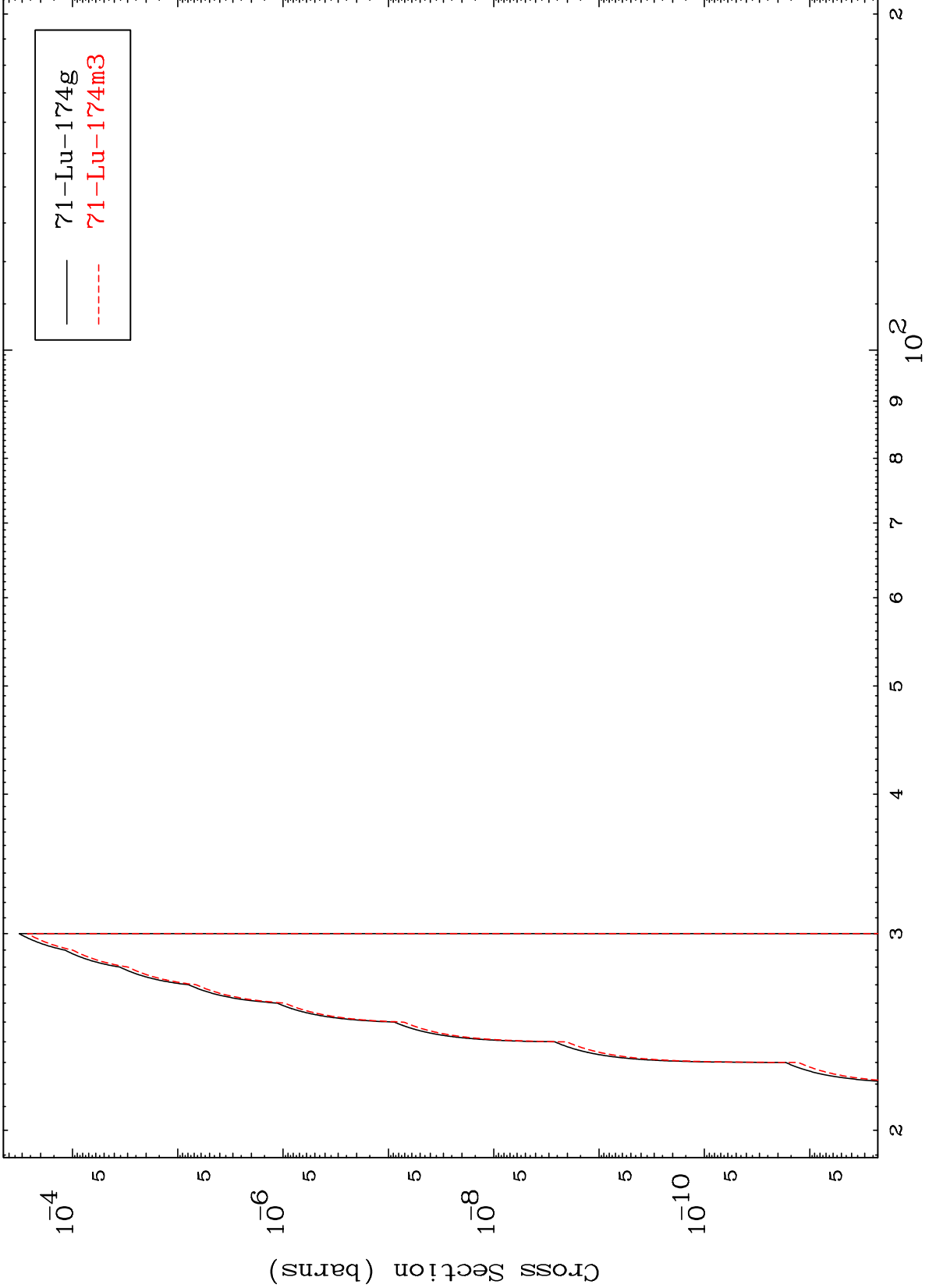
72-Hf-177m

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(n,3n) p

⁷²Hf-177m

Radionuclide Production Cross Section



24

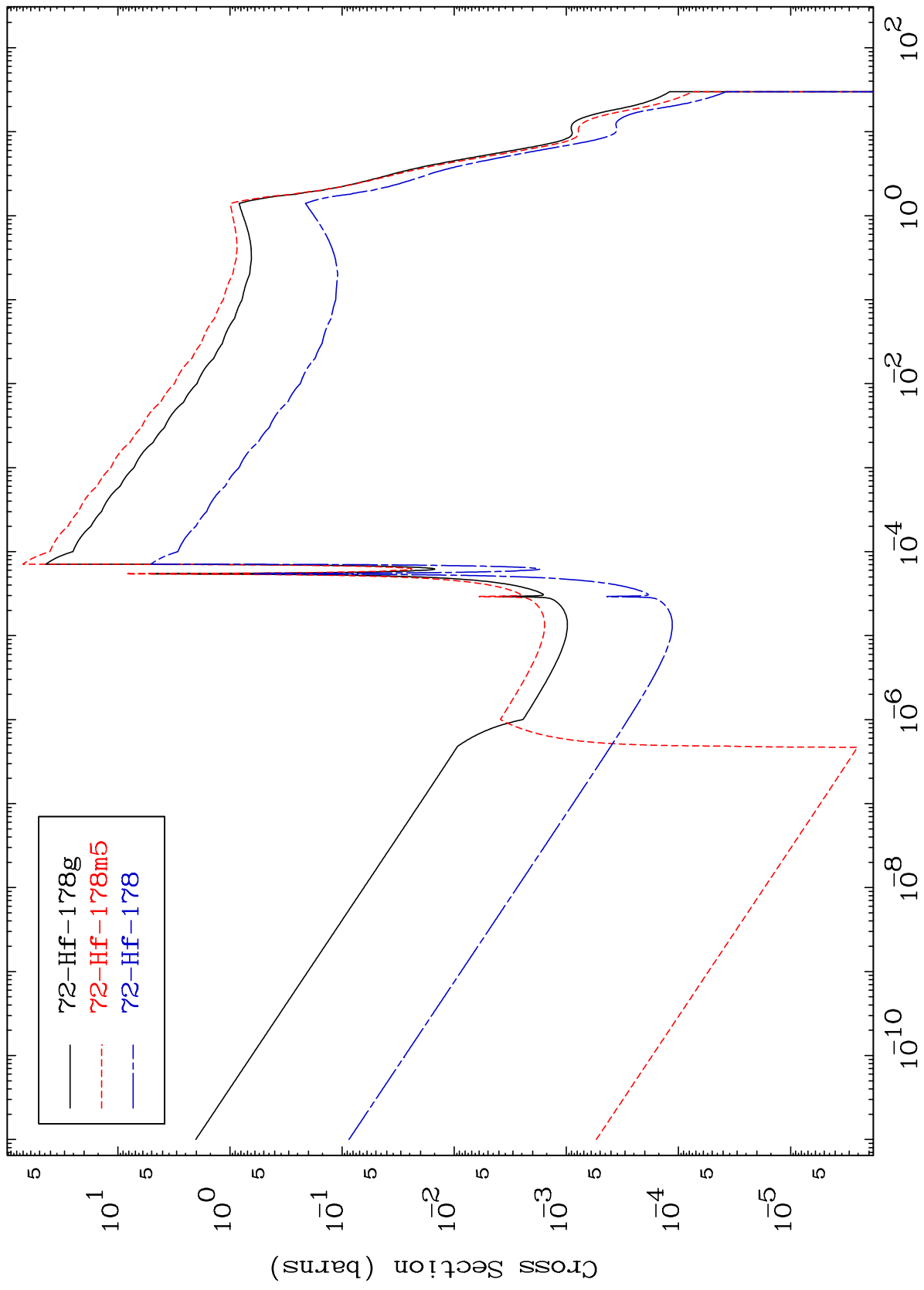
Incident Energy (MeV)

⁷²Hf-177m

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⁷²Hf-177m

Radionuclide Production Cross Section



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

⁷²Hf-177m

Incident Energy (MeV)

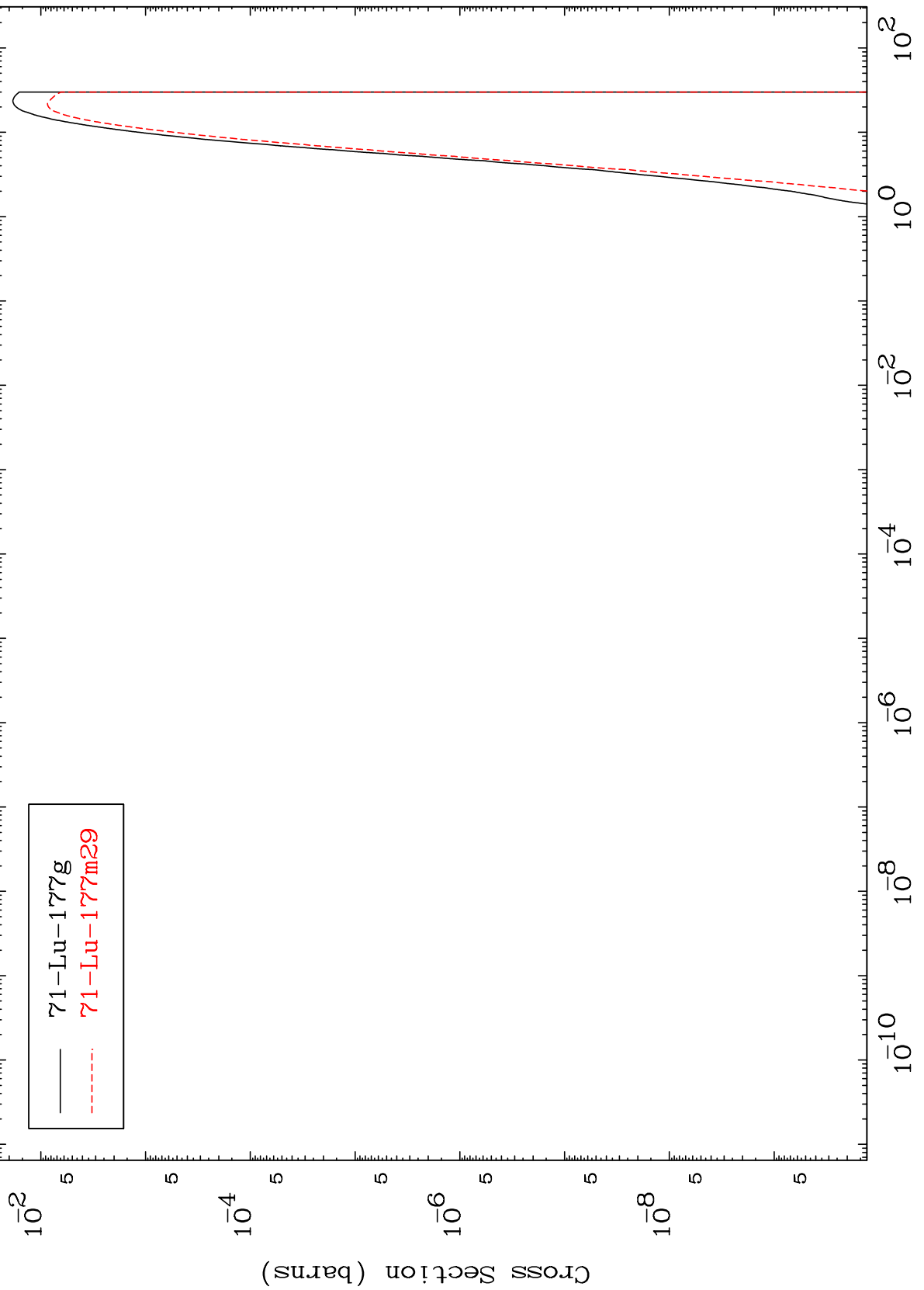
25

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(n,p)

⁷²Hf-177m

Radionuclide Production Cross Section



— ⁷¹-Lu-177g
- - - ⁷¹-Lu-177m29

Incident Energy (MeV)

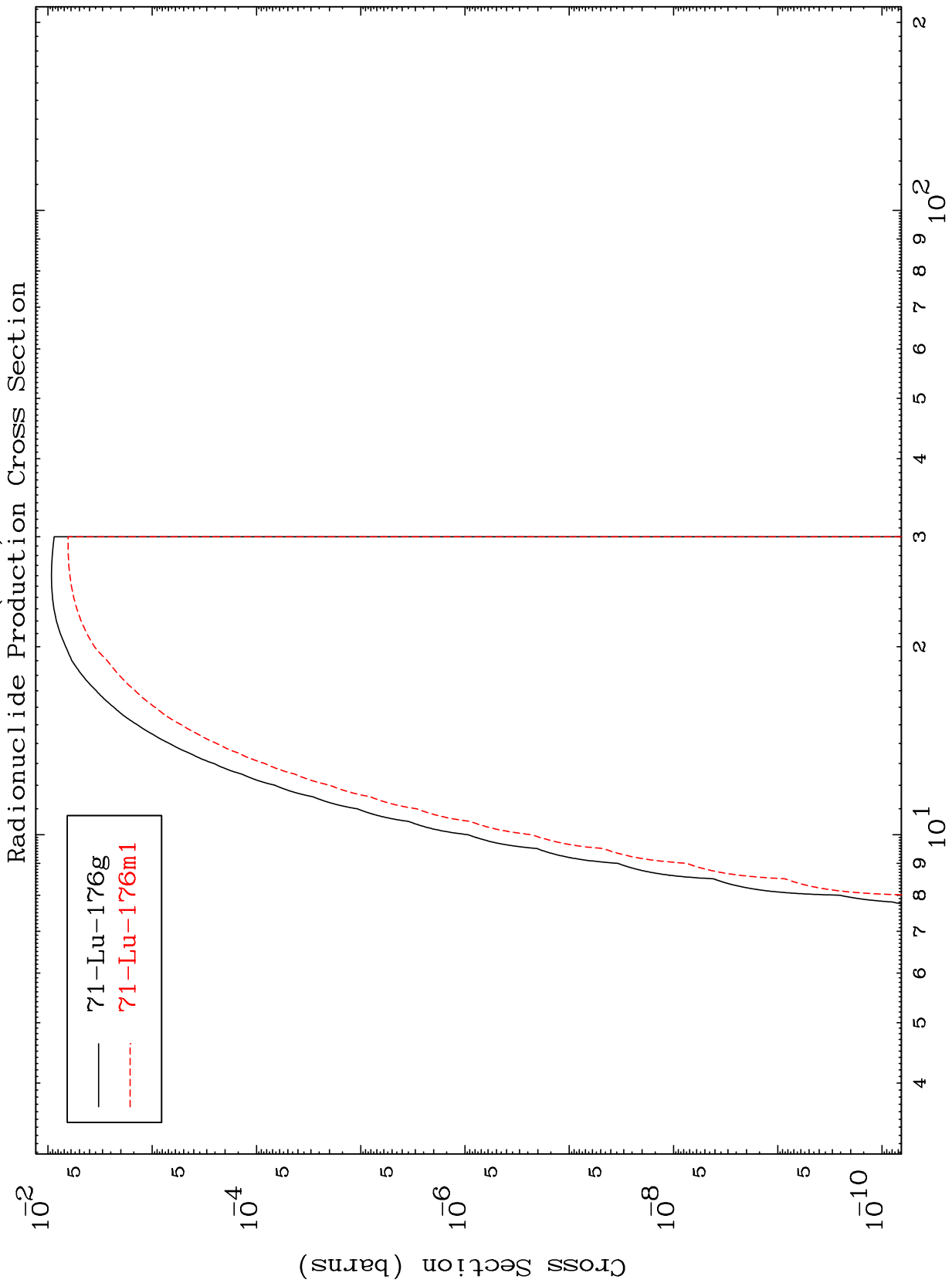
⁷²Hf-177m

26

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(n, d)

72-Hf-177m



27

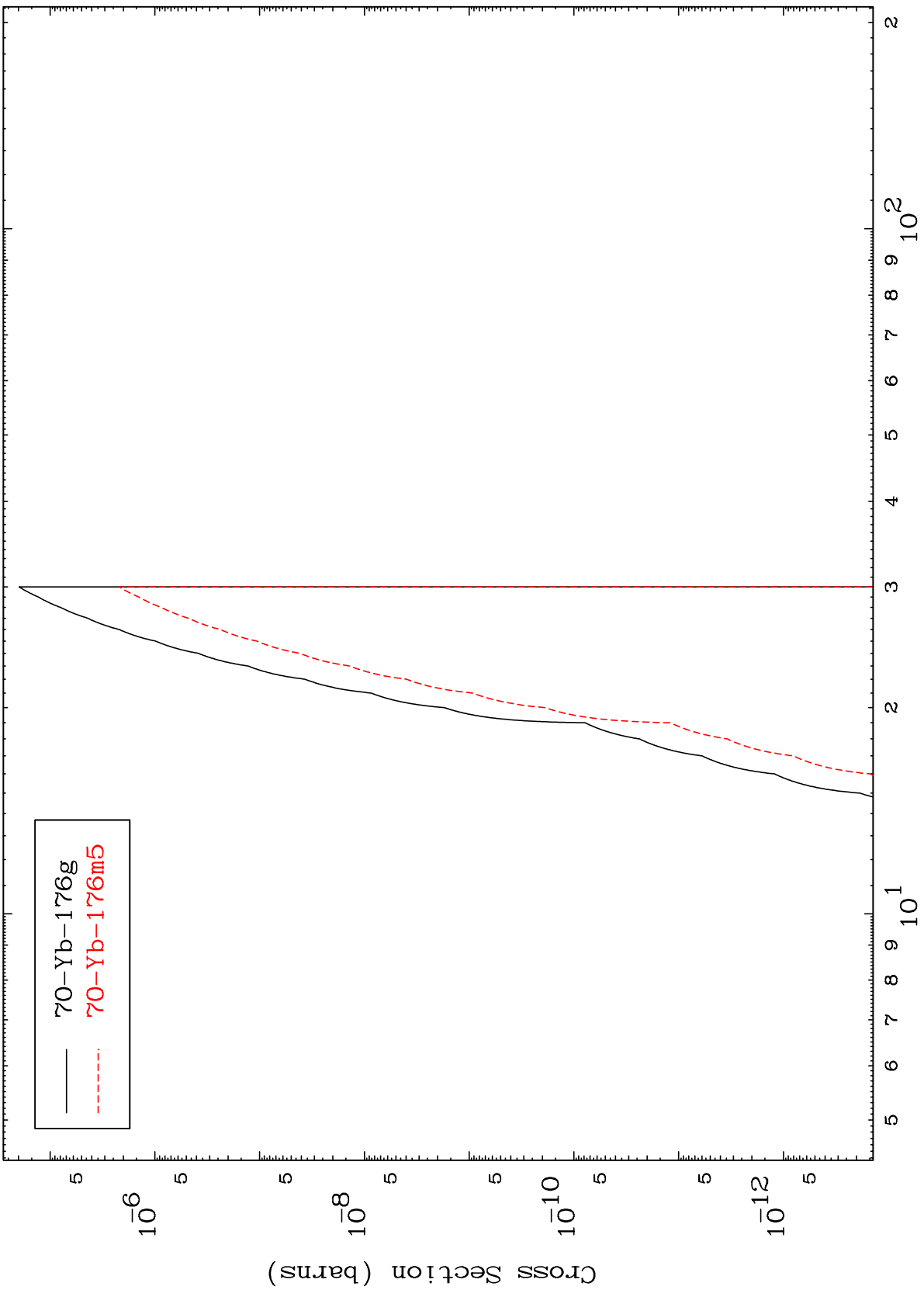
Incident Energy (MeV)

72-Hf-177m

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⁷²Hf-177m

Radionuclide Production Cross Section (n,2p)



28

Incident Energy (MeV)

⁷²Hf-177m