

Program EVALPLOT
(Version 2017-1)

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

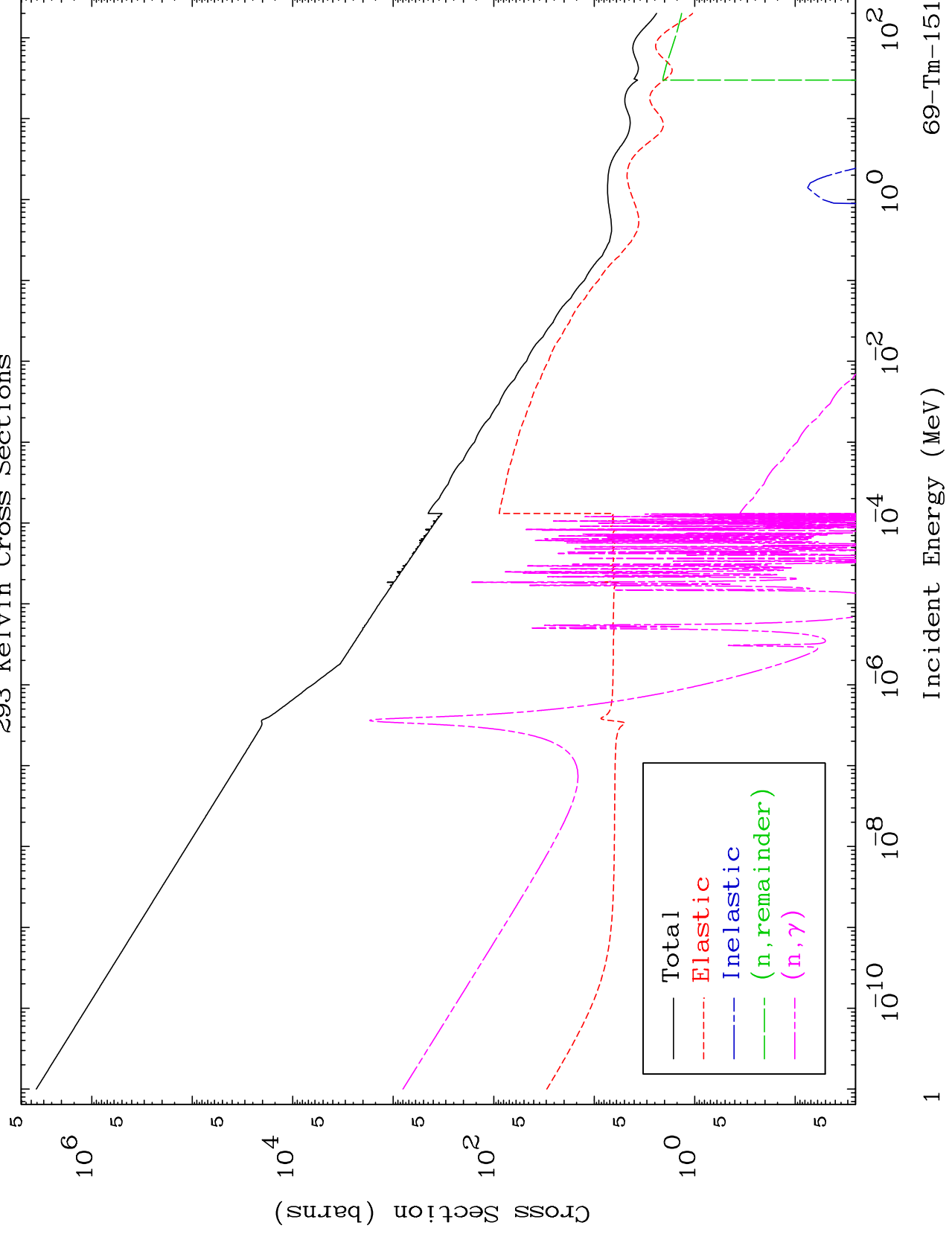
Press Mouse Button to Start

MAT 6872

Major

293 Kelvin Cross Sections

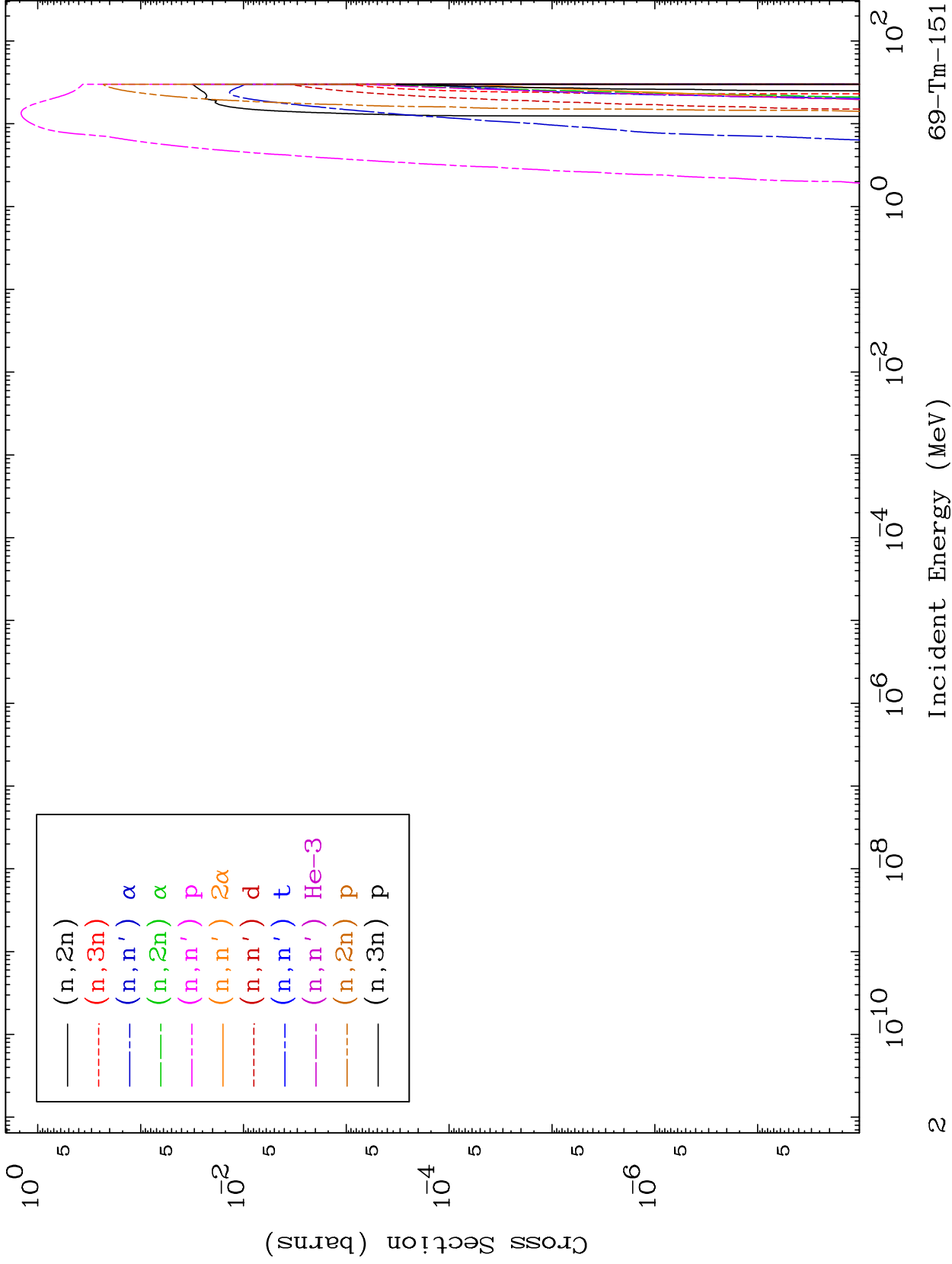
69-Tm-151



MAT 6872

Neutron Production
293 Kelvin Cross Sections

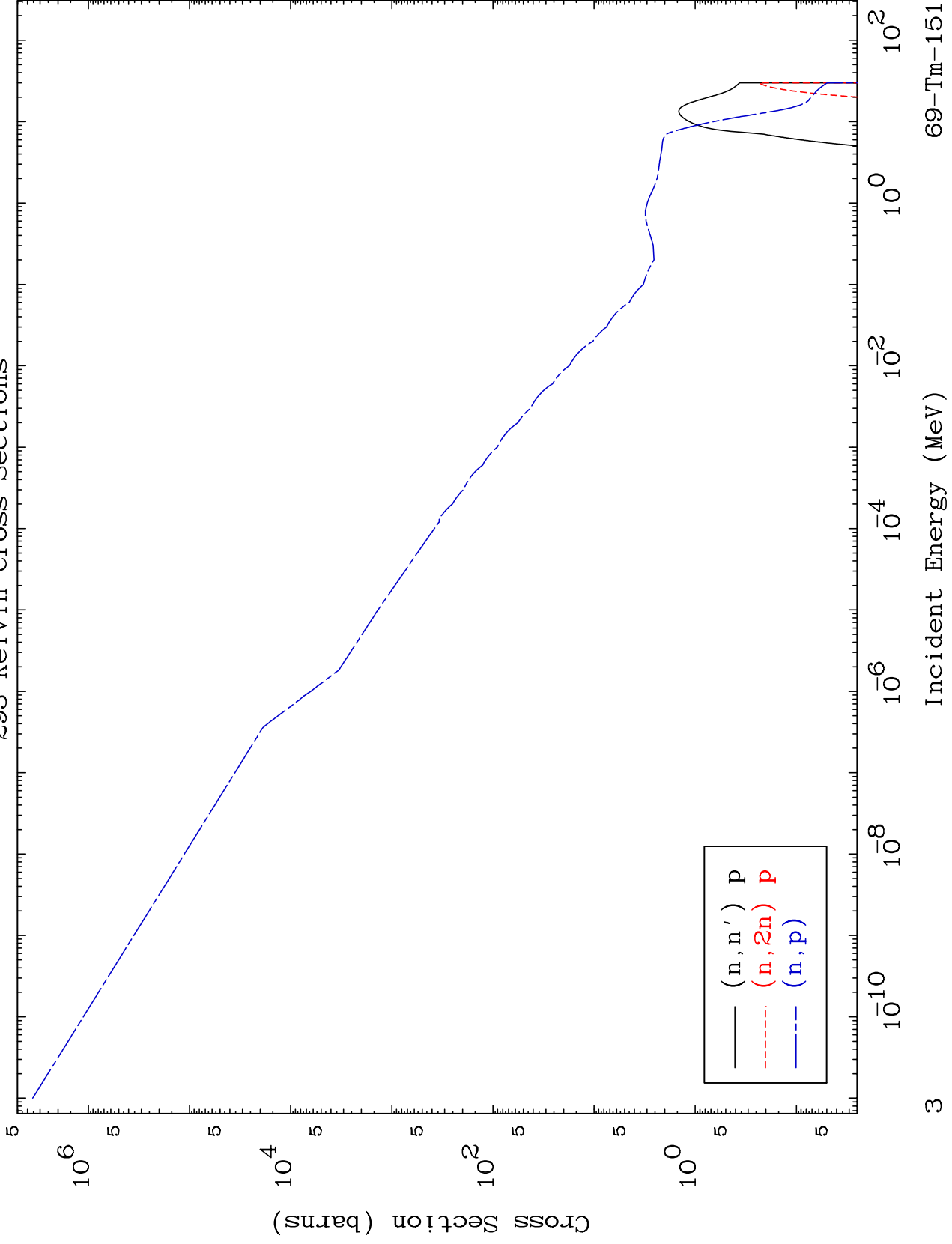
69-Tm-151



MAT 6872

Charged Particle
293 Kelvin Cross Sections

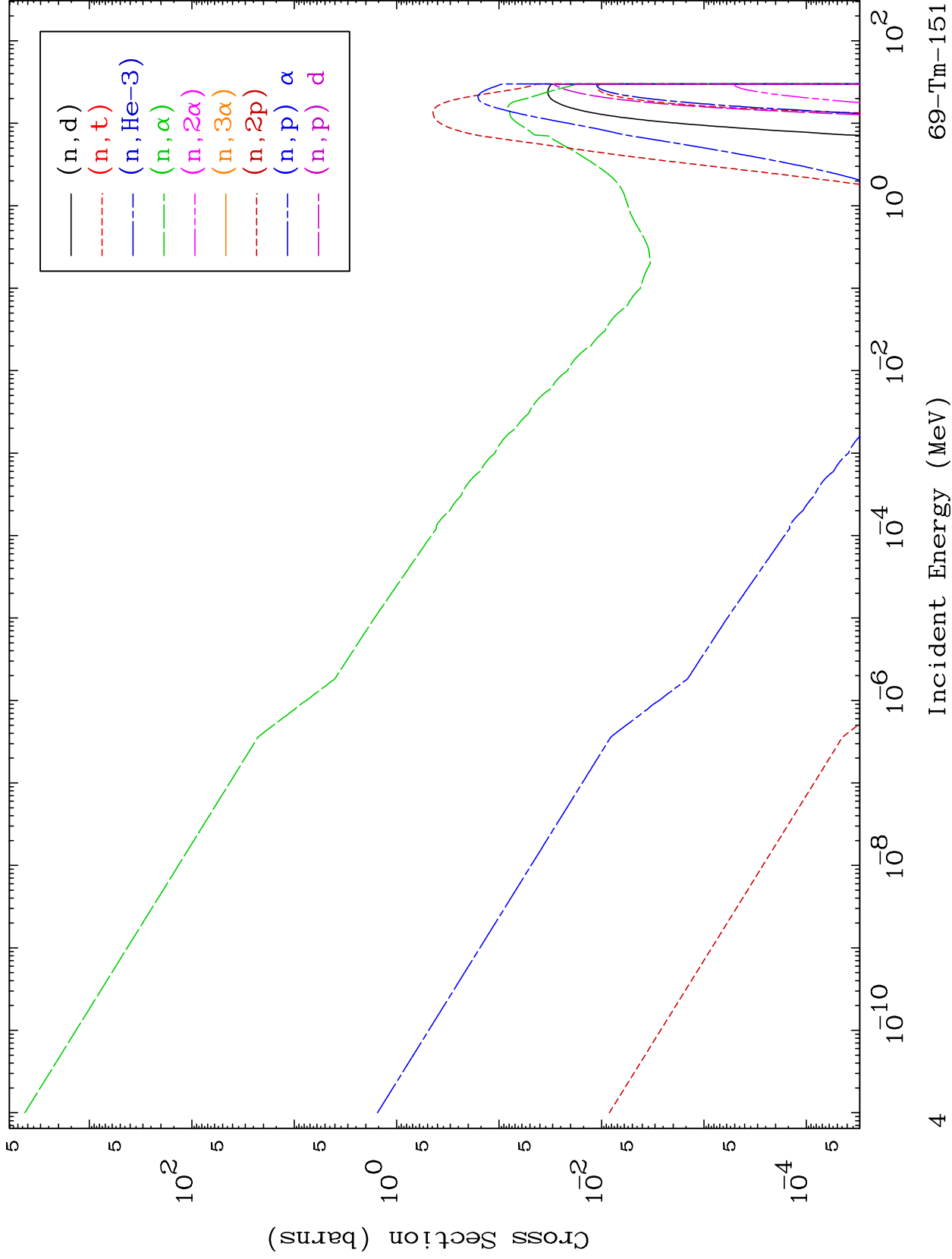
69-Tm-151



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Charged Particle
293 Kelvin Cross Sections

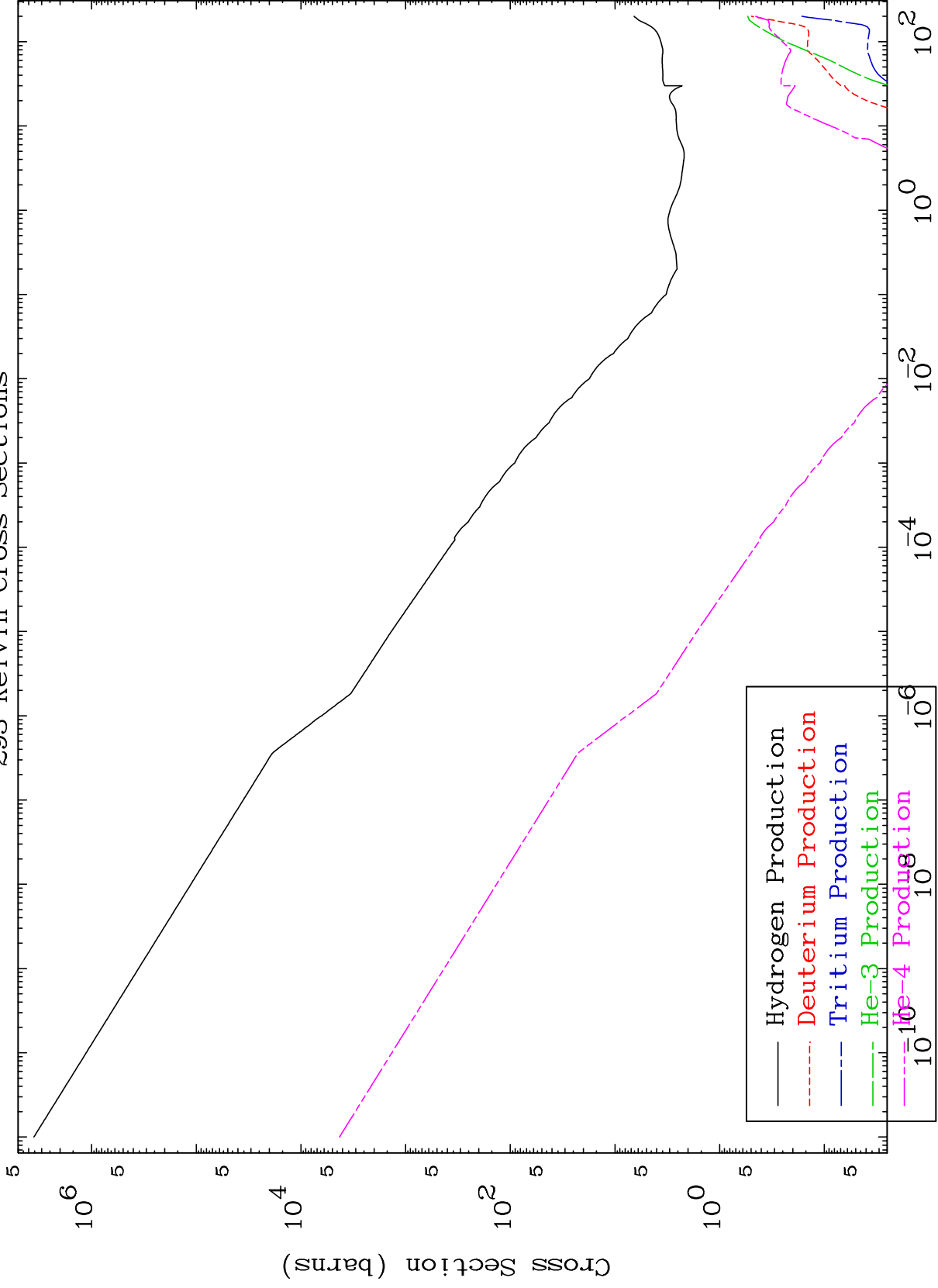
69-Tm-151



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Particle Production
293 Kelvin Cross Sections

69-Tm-151



5

Incident Energy (MeV)

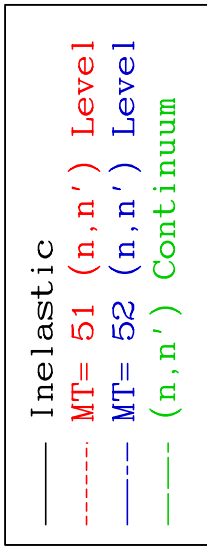
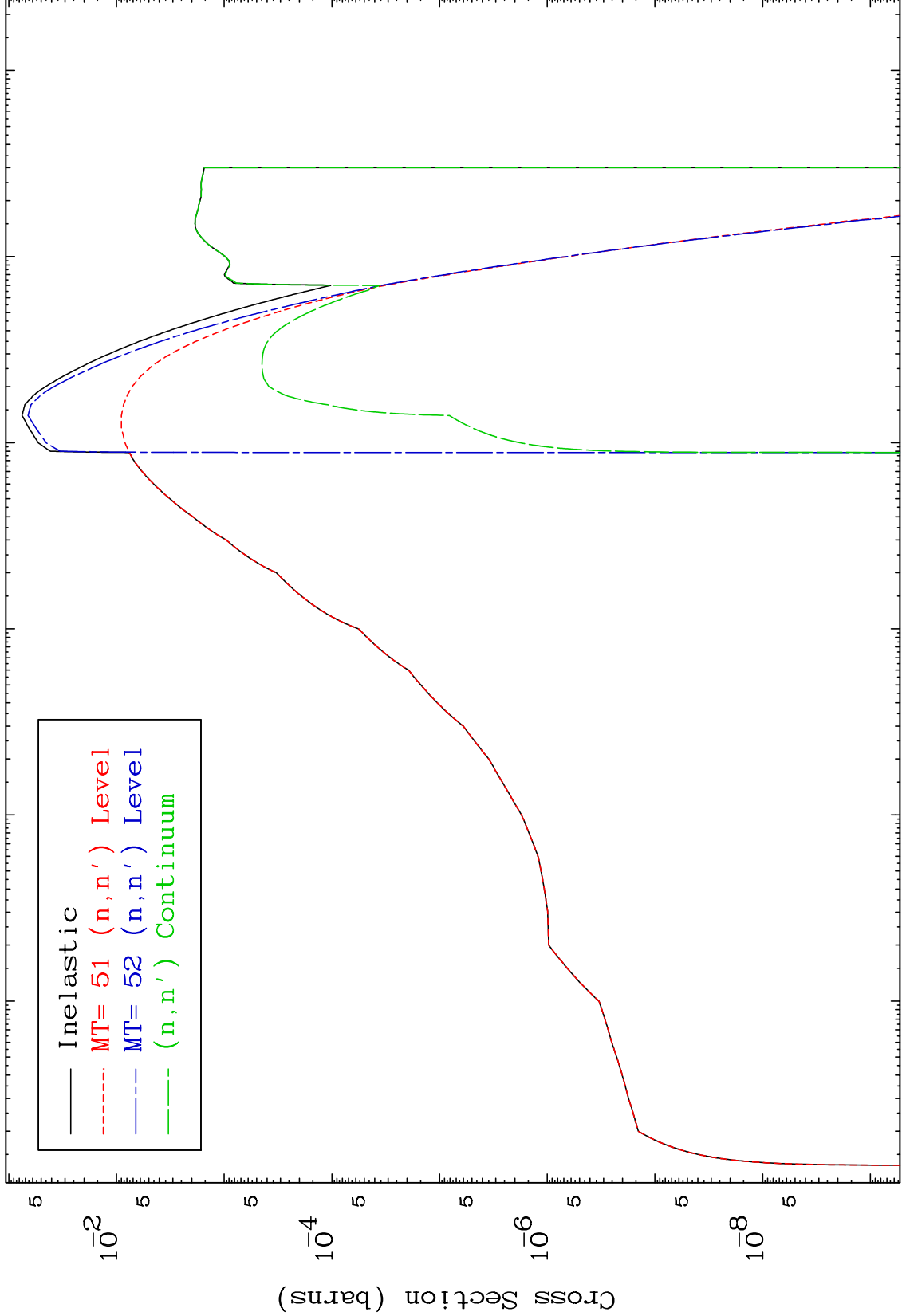
69-Tm-151

MAT 6872

(n,n') Level

69-Tm-151

293 Kelvin Cross Sections



6

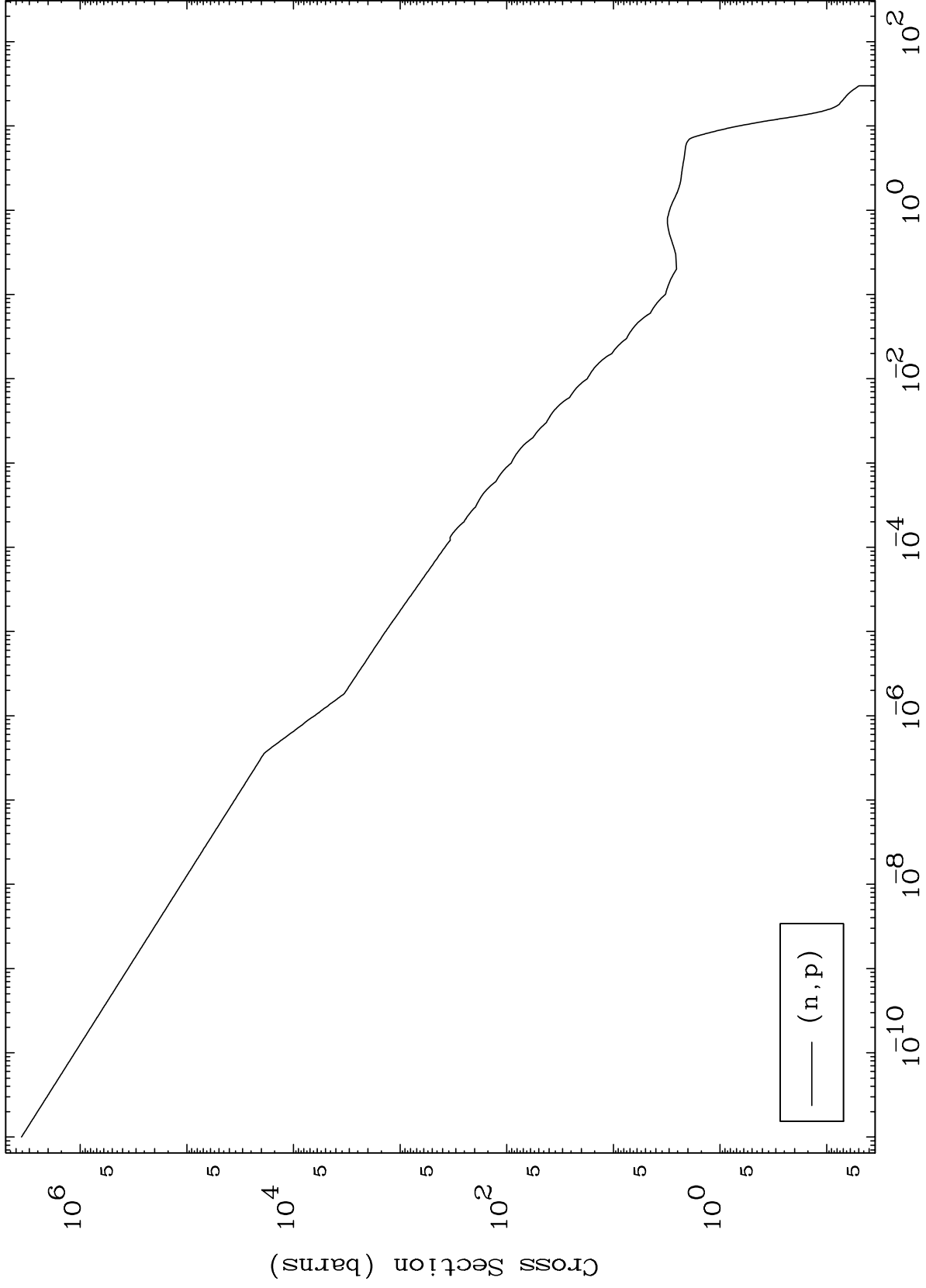
Incident Energy (MeV)

69-Tm-151

MAT 6872

(n,p) Levels
293 Kelvin Cross Sections

69-Tm-151

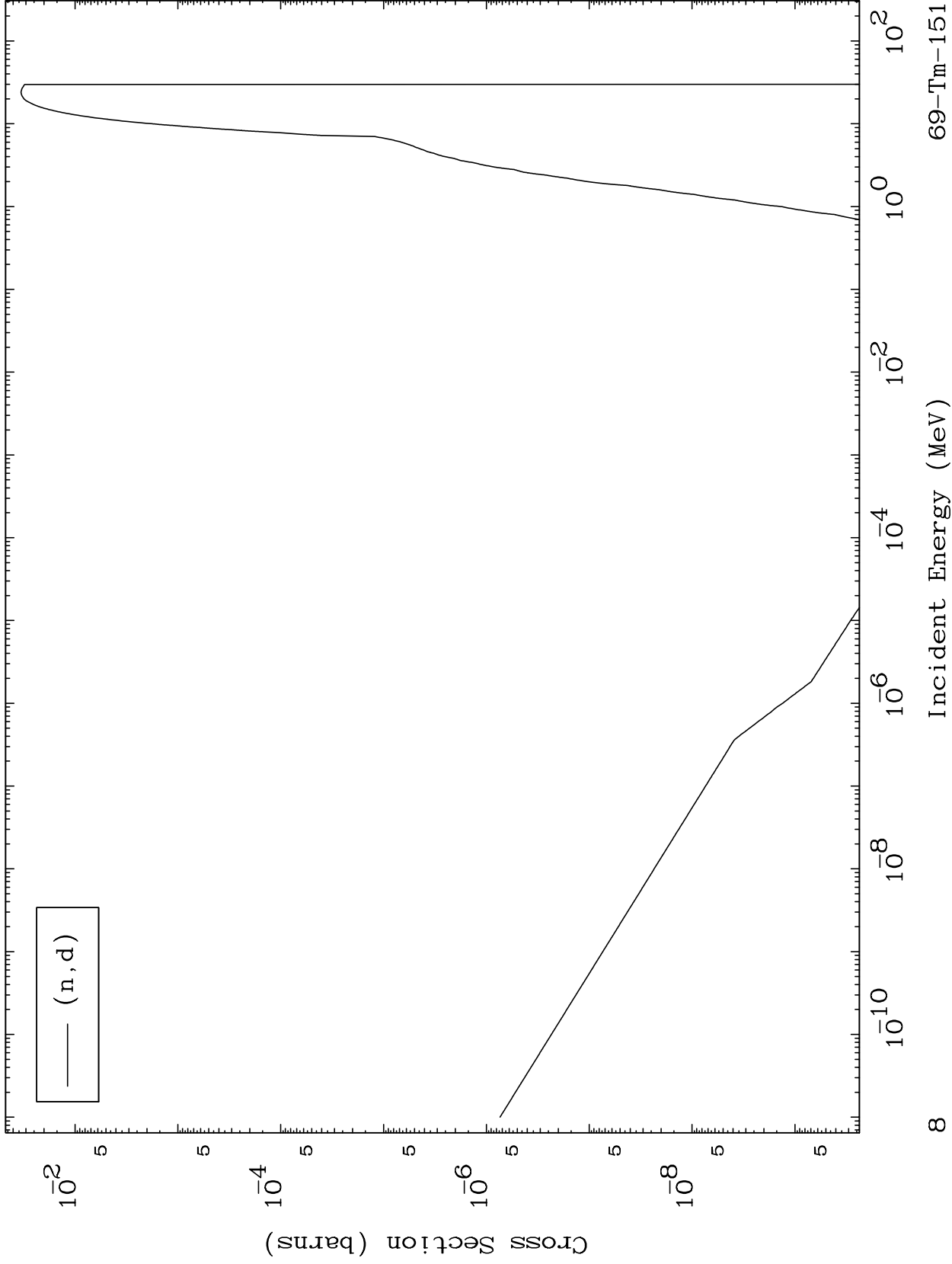


(n,p)

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(n,d) Levels
293 Kelvin Cross Sections

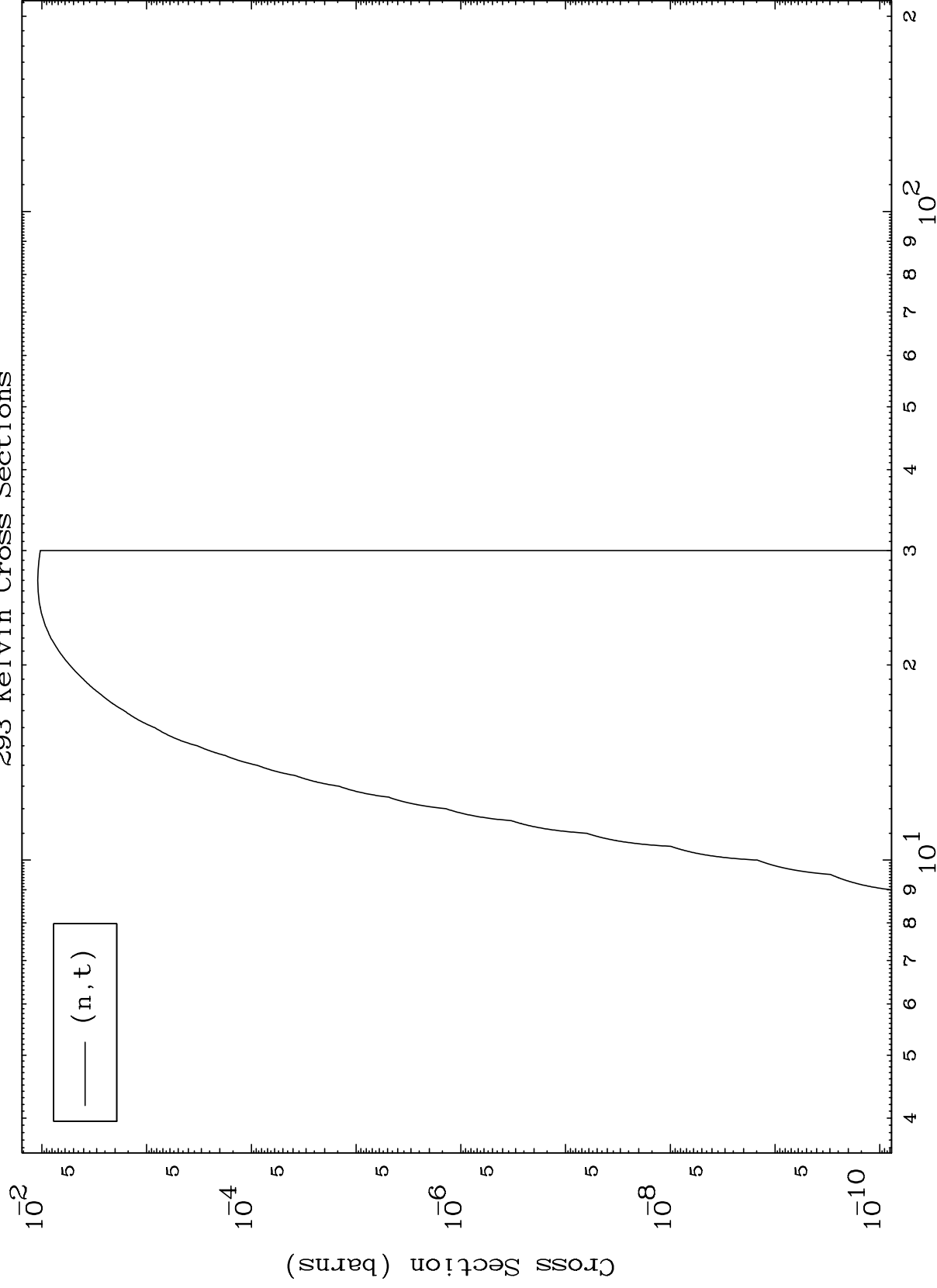
69-Tm-151



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(n,t) Levels
293 Kelvin Cross Sections

69-Tm-151



9

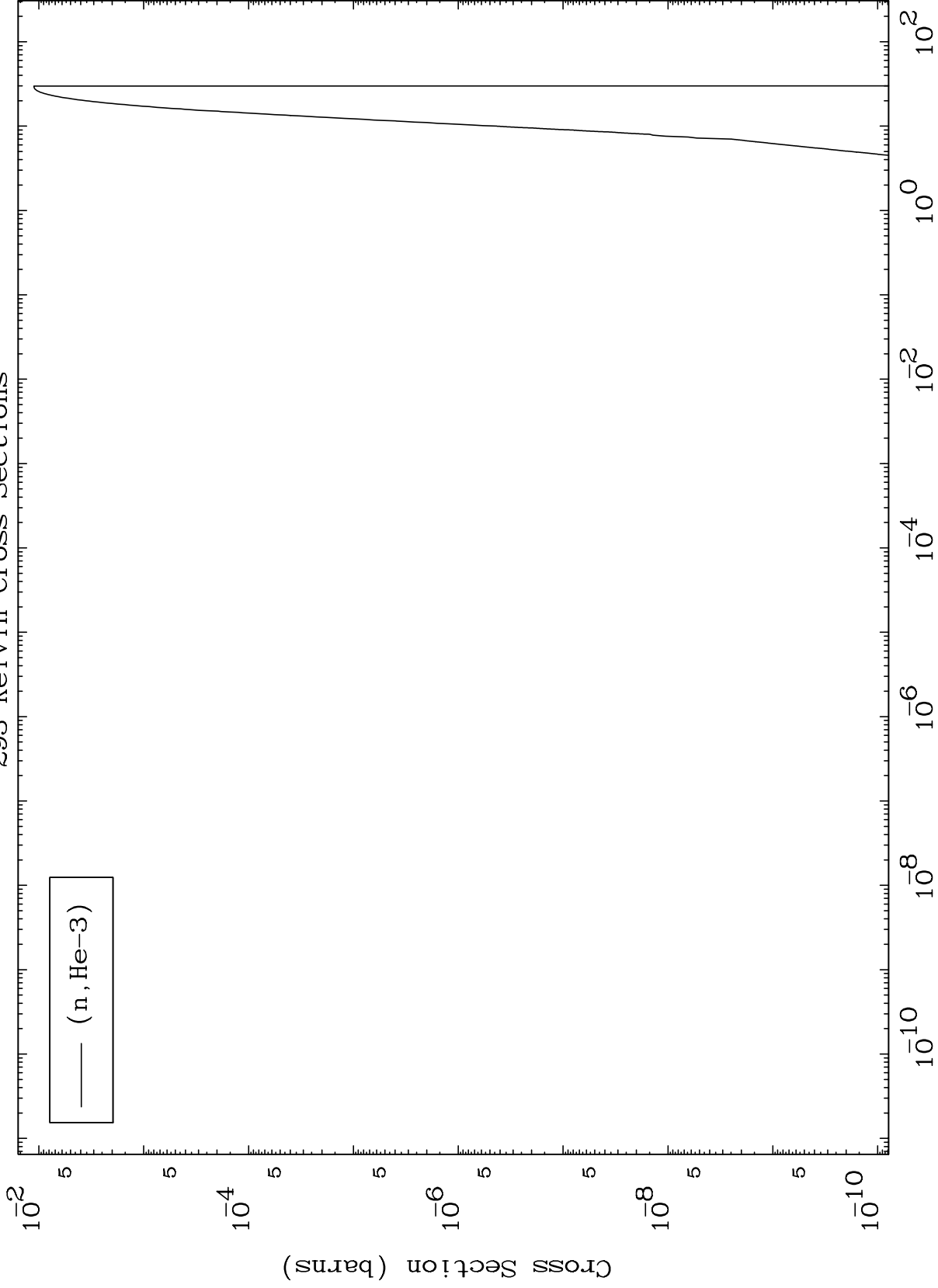
Incident Energy (MeV)

69-Tm-151

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(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-151



10

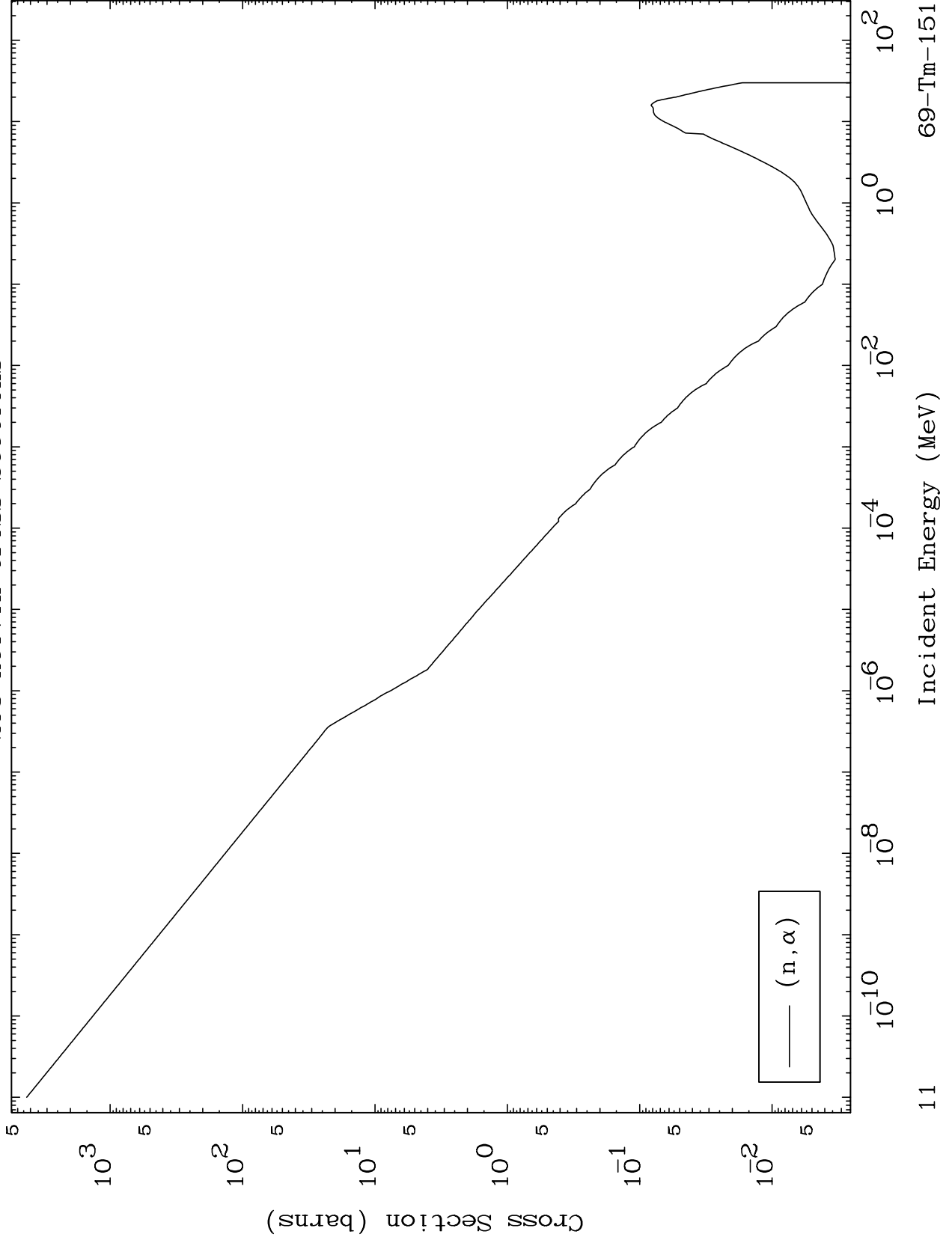
Incident Energy (MeV)

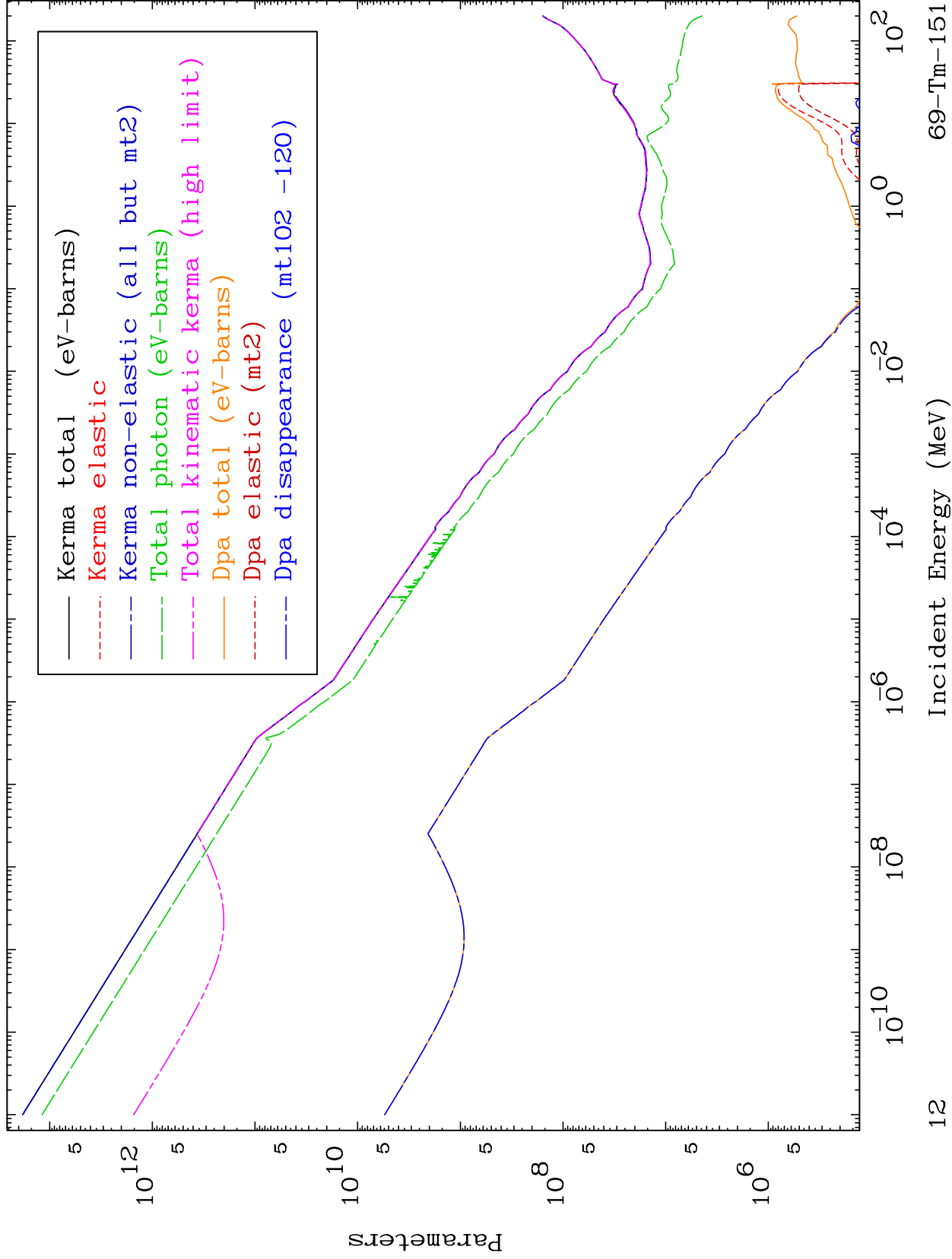
69-Tm-151

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(n, α) Levels
293 Kelvin Cross Sections

69-Tm-151

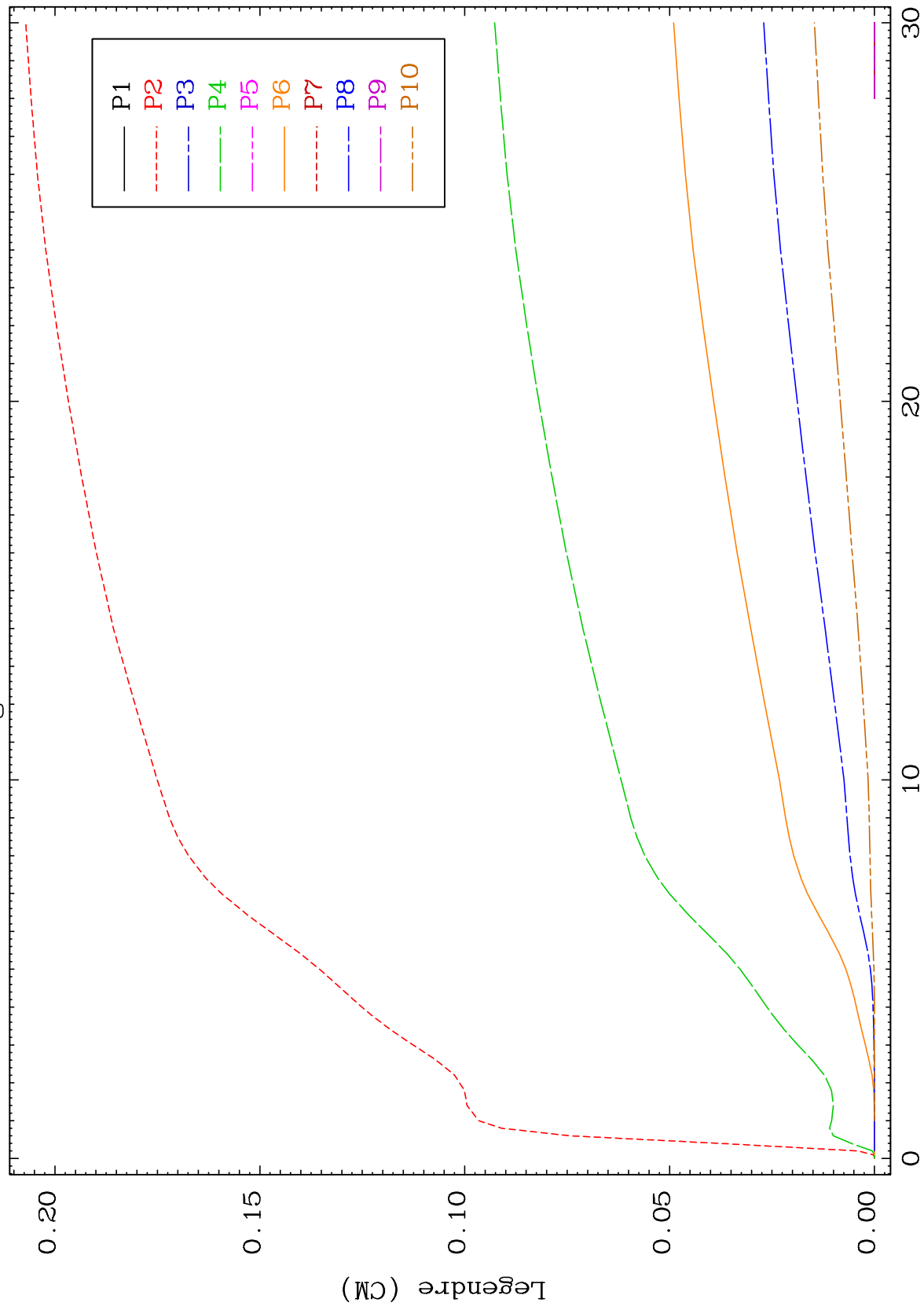




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Elastic Legendre Coefficients

69-Tm-151



13

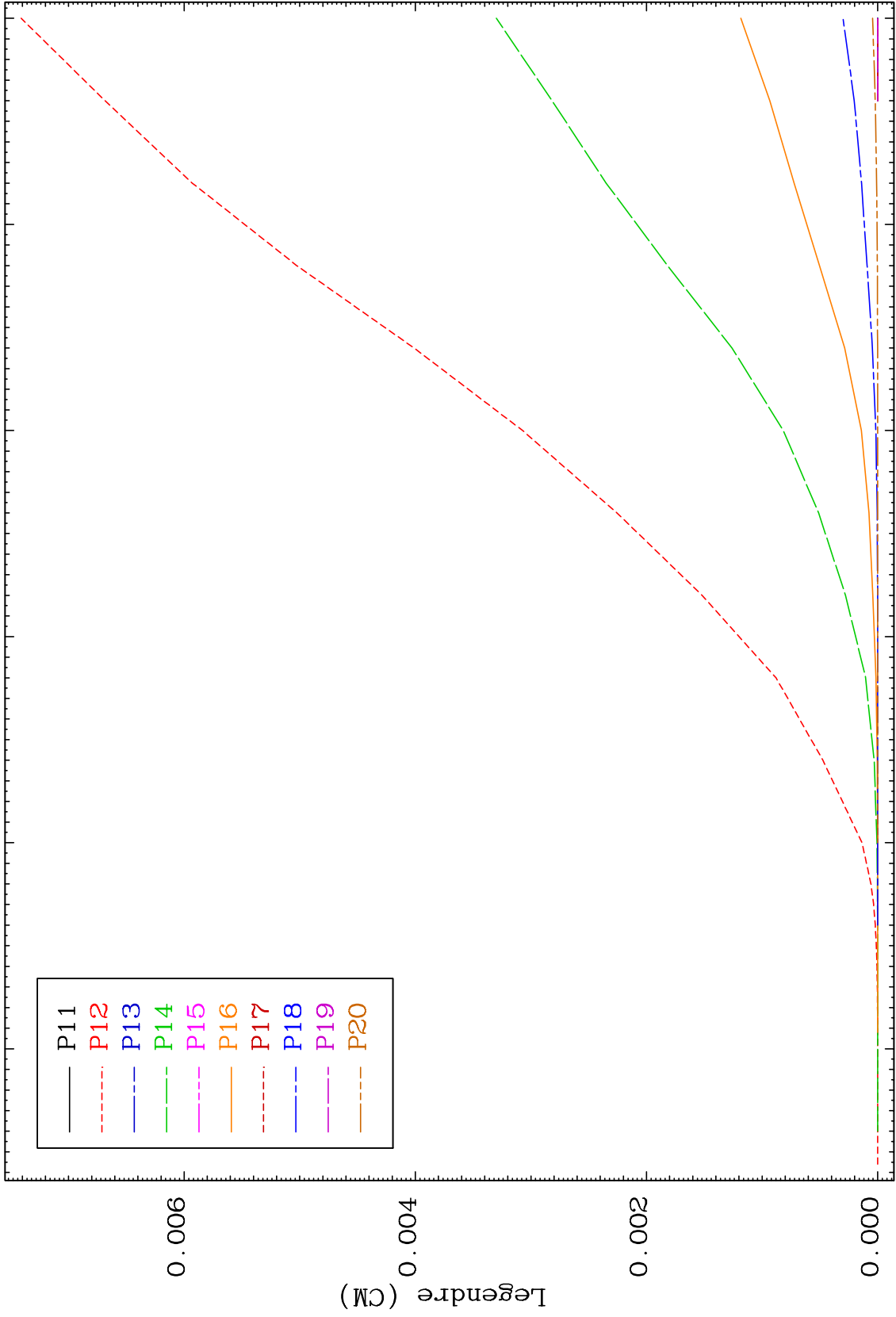
Incident Energy (MeV)

69-Tm-151

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Elastic
Legendre Coefficients

69-Tm-151



14

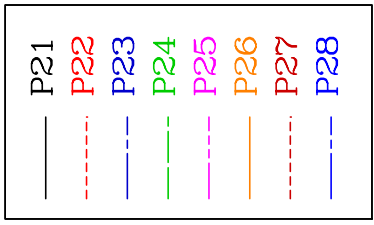
Incident Energy (MeV)

69-Tm-151

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Elastic Legendre Coefficients

69-Tm-151



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

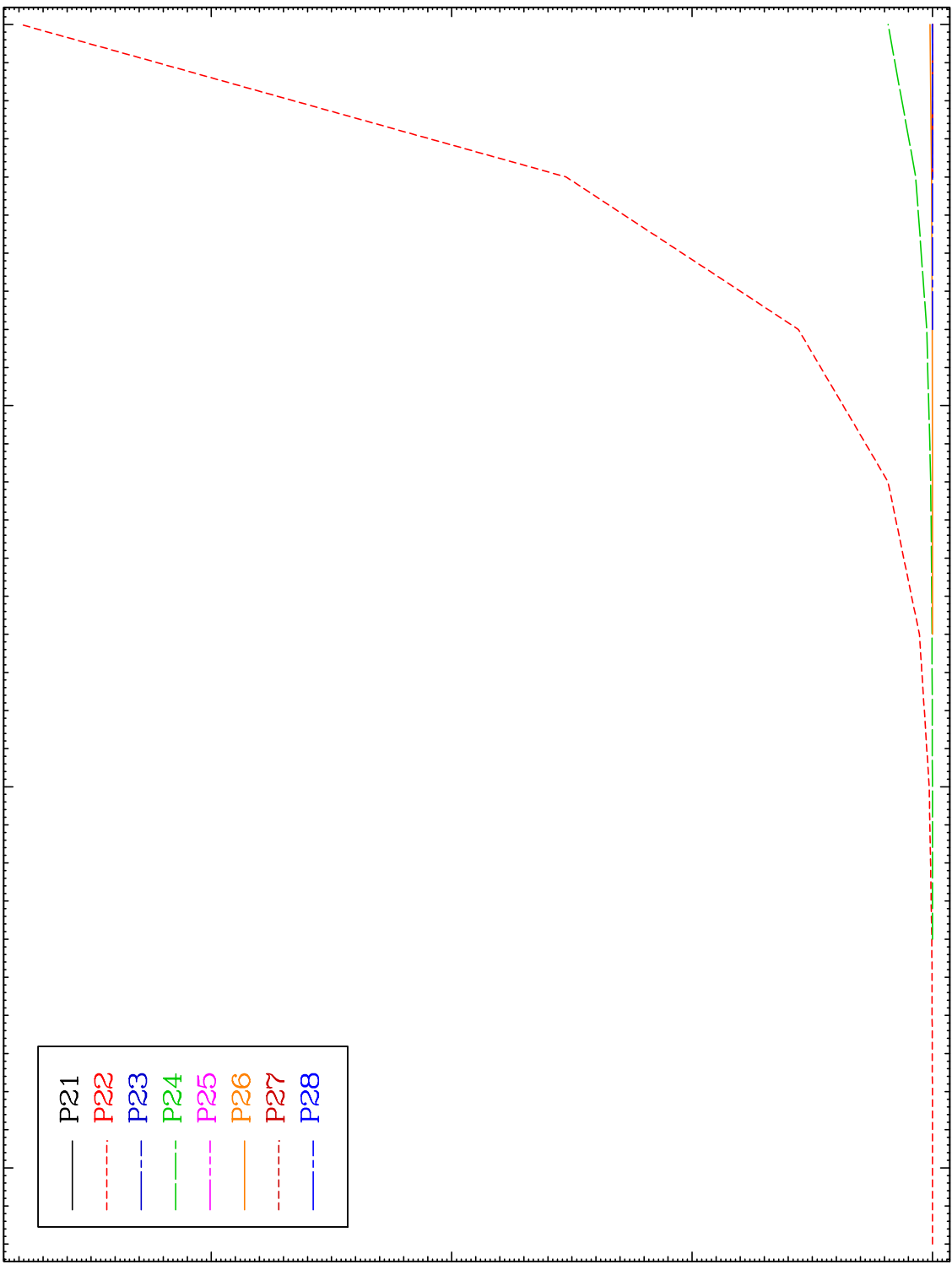
25

30

15

Incident Energy (MeV)

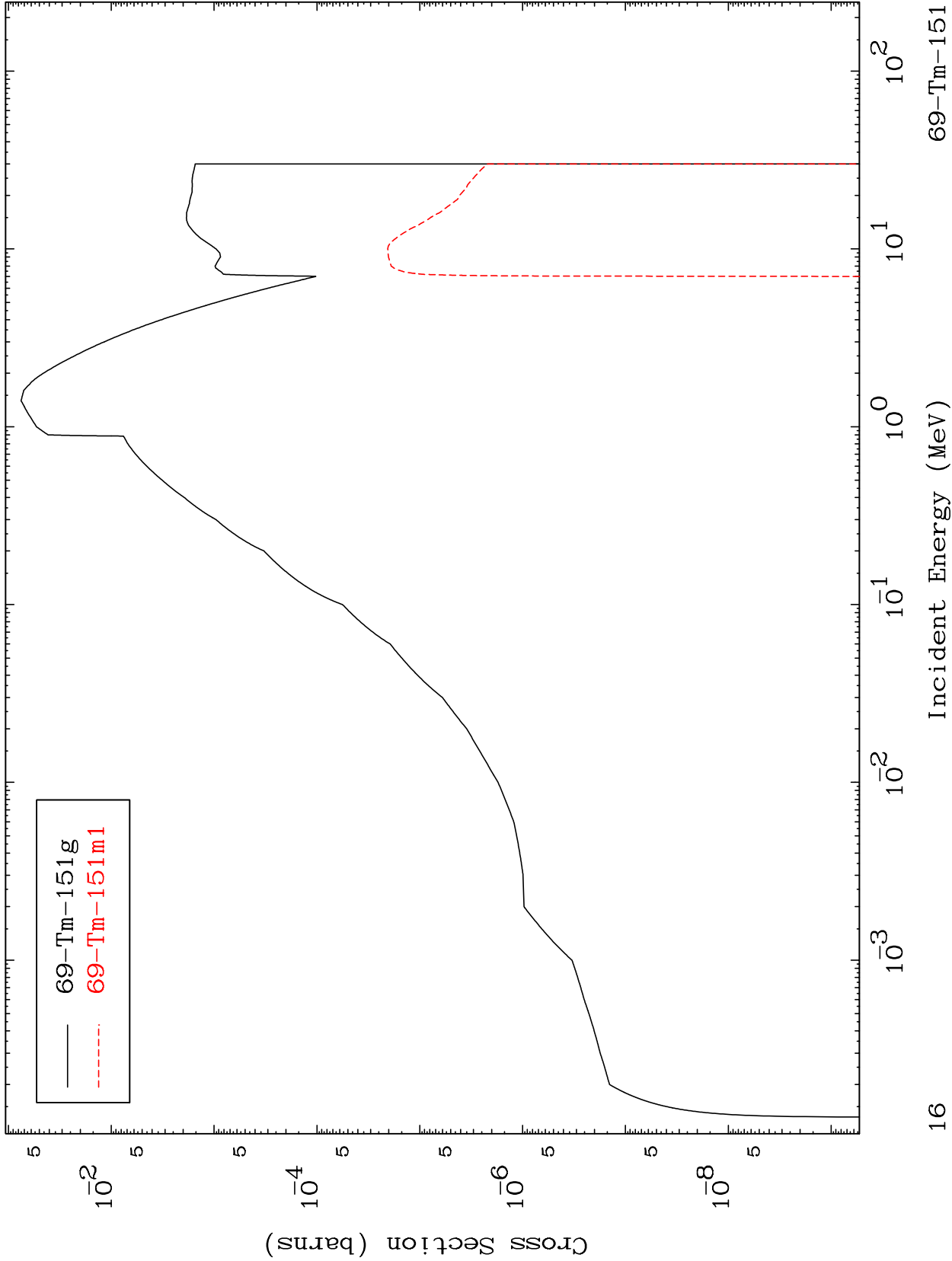
69-Tm-151



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69-Tm-151

Inelastic
Radionuclide Production Cross Section

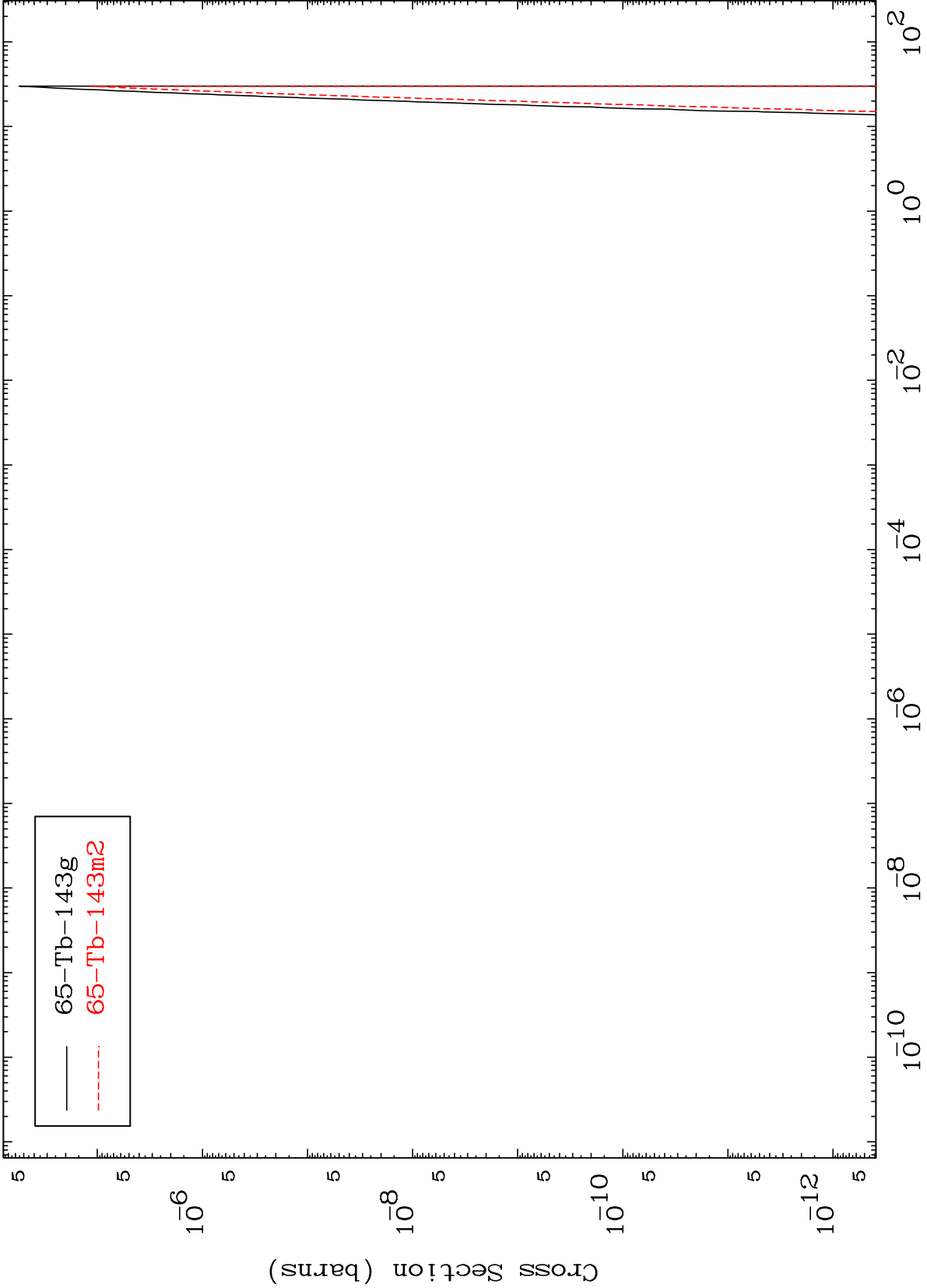


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(n,n') 2α

69-Tm-151

Radionuclide Production Cross Section

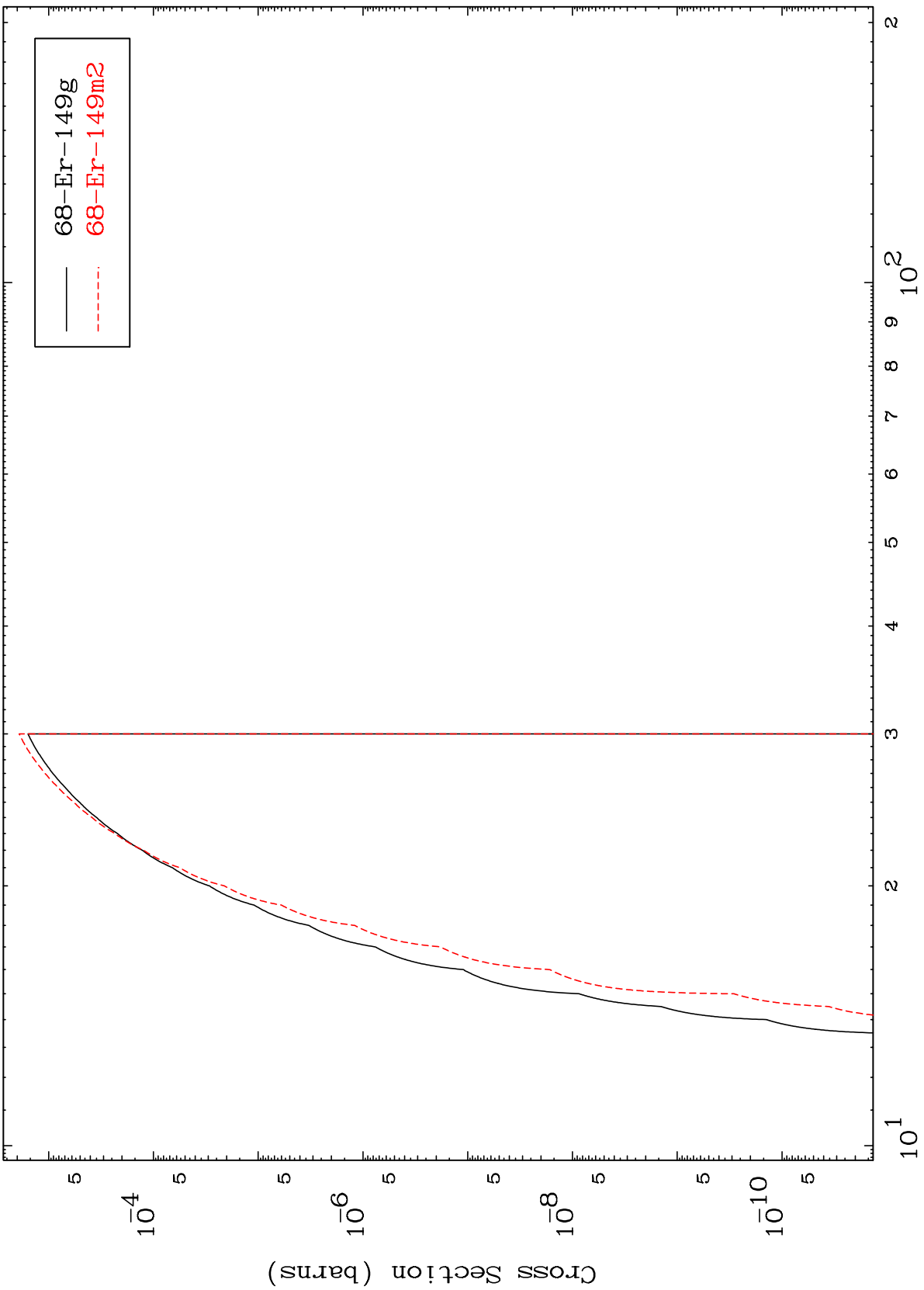


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(n,n') d

69-Tm-151

Radionuclide Production Cross Section



10¹

Incident Energy (MeV)

10²

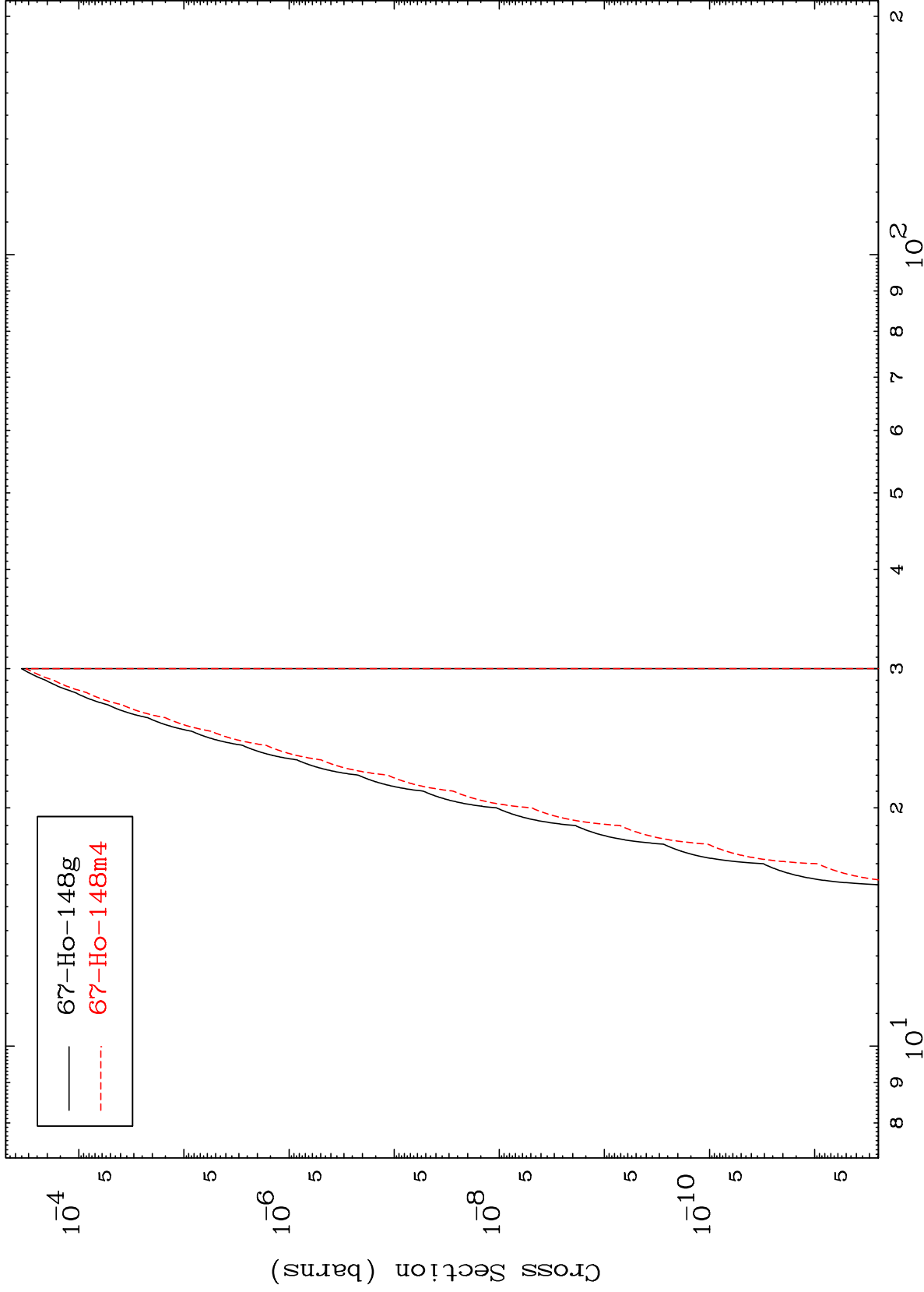
69-Tm-151

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(n,n') He-3

69-Tm-151

Radionuclide Production Cross Section



19

Incident Energy (MeV)

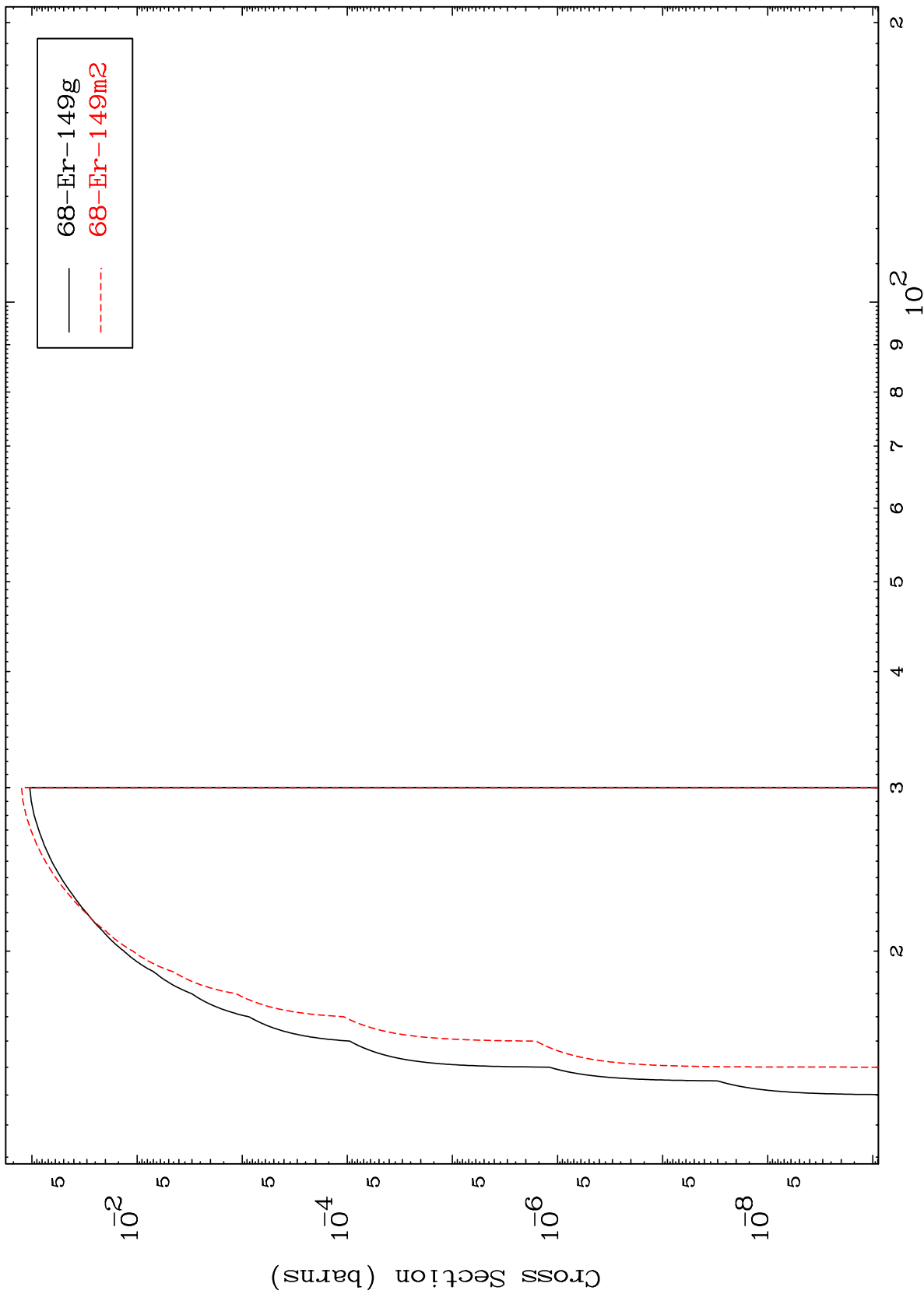
69-Tm-151

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(n,2n) p

69-Tm-151

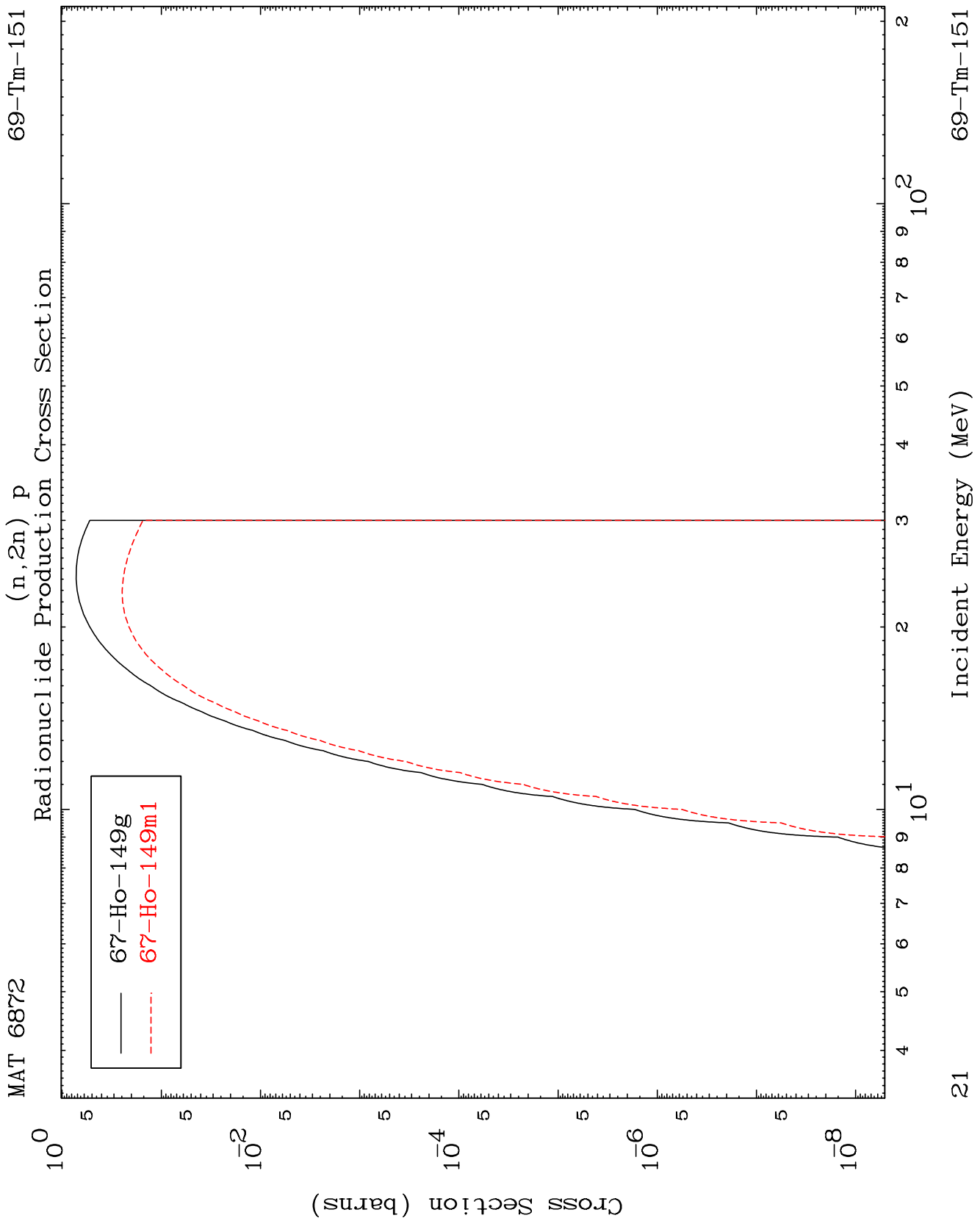
Radionuclide Production Cross Section



20

Incident Energy (MeV)

69-Tm-151

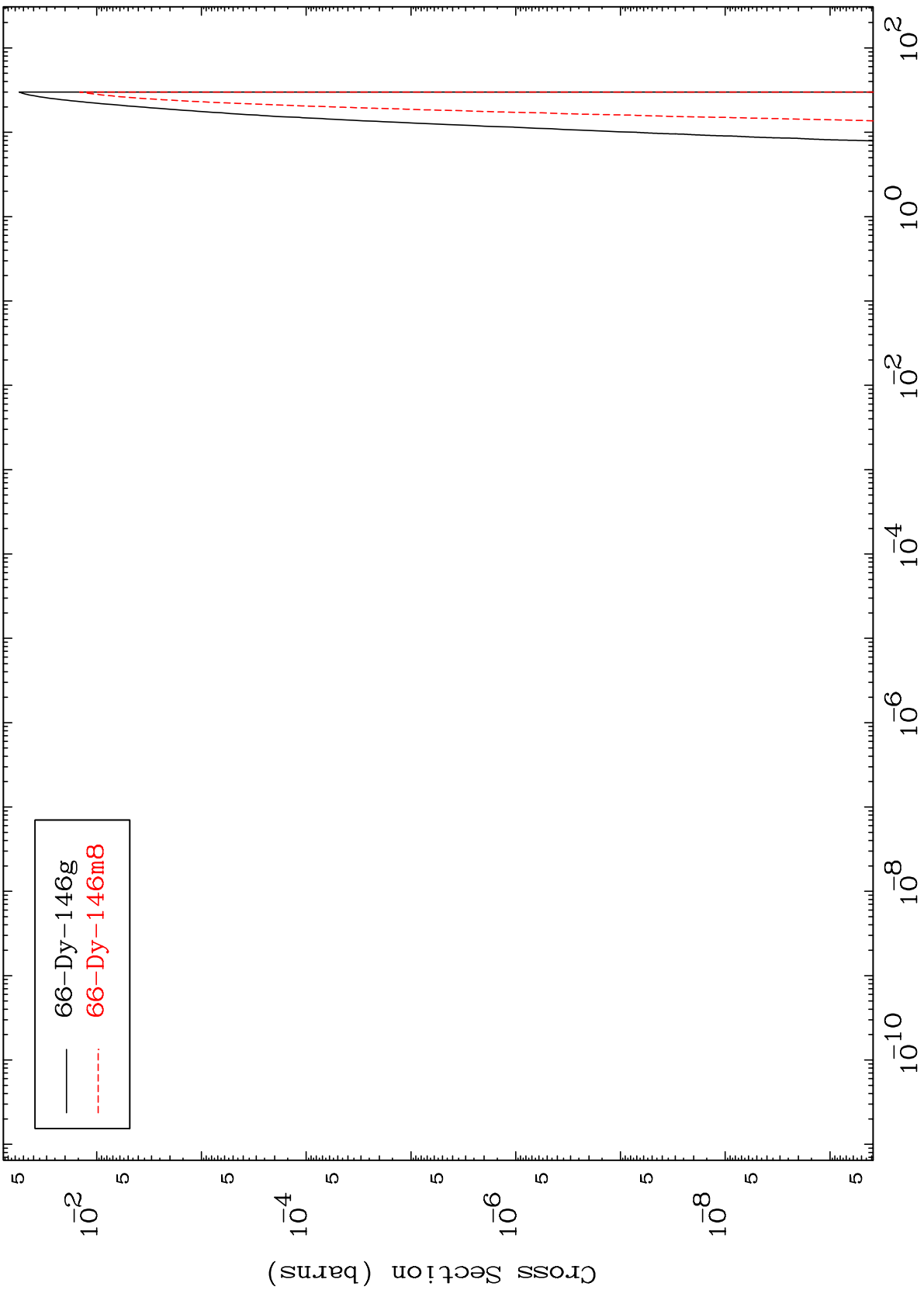


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(n,n') p α

69-Tm-151

Radionuclide Production Cross Section



22

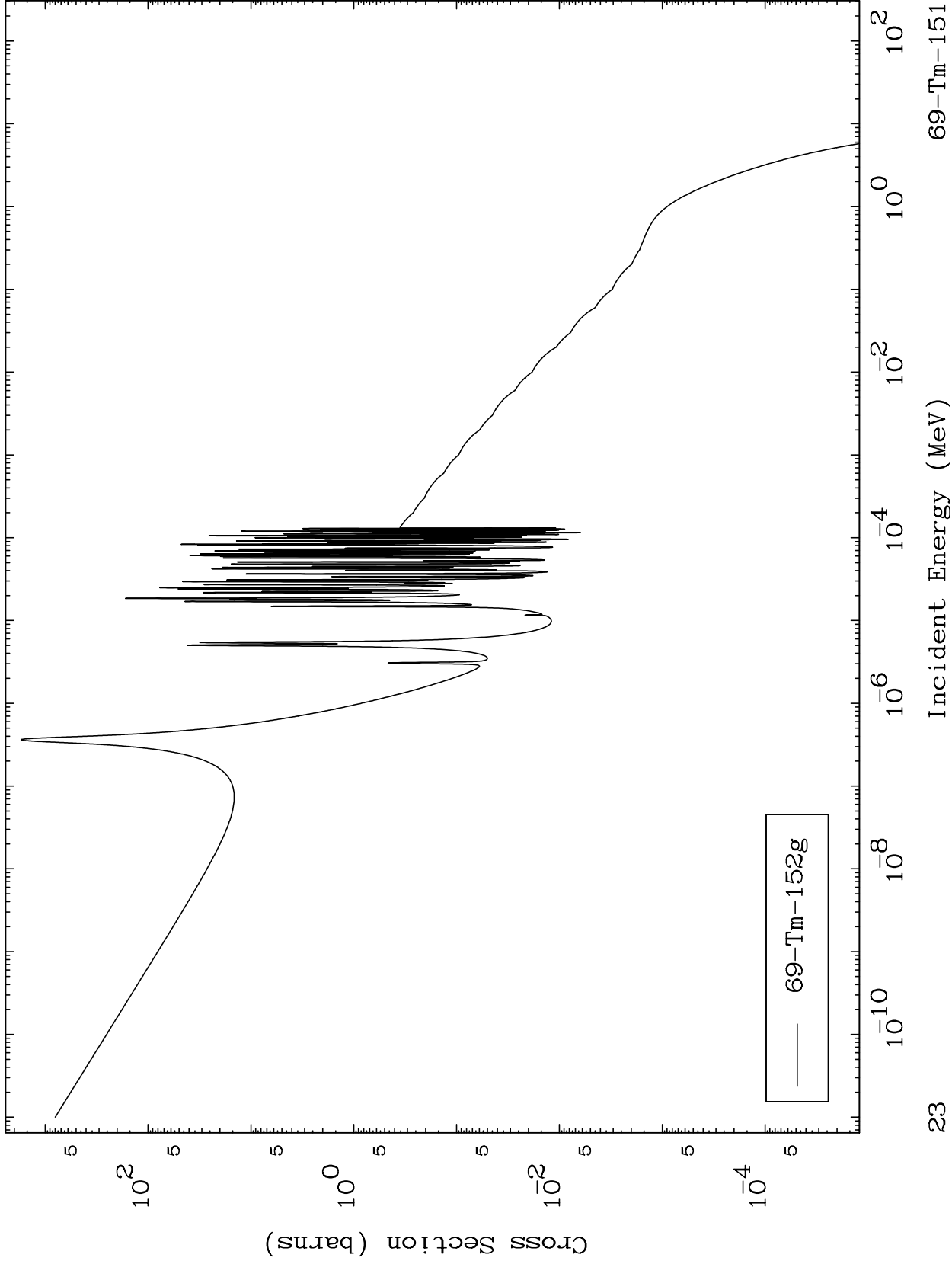
Incident Energy (MeV)

69-Tm-151

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$^{69}\text{Tm}-151$

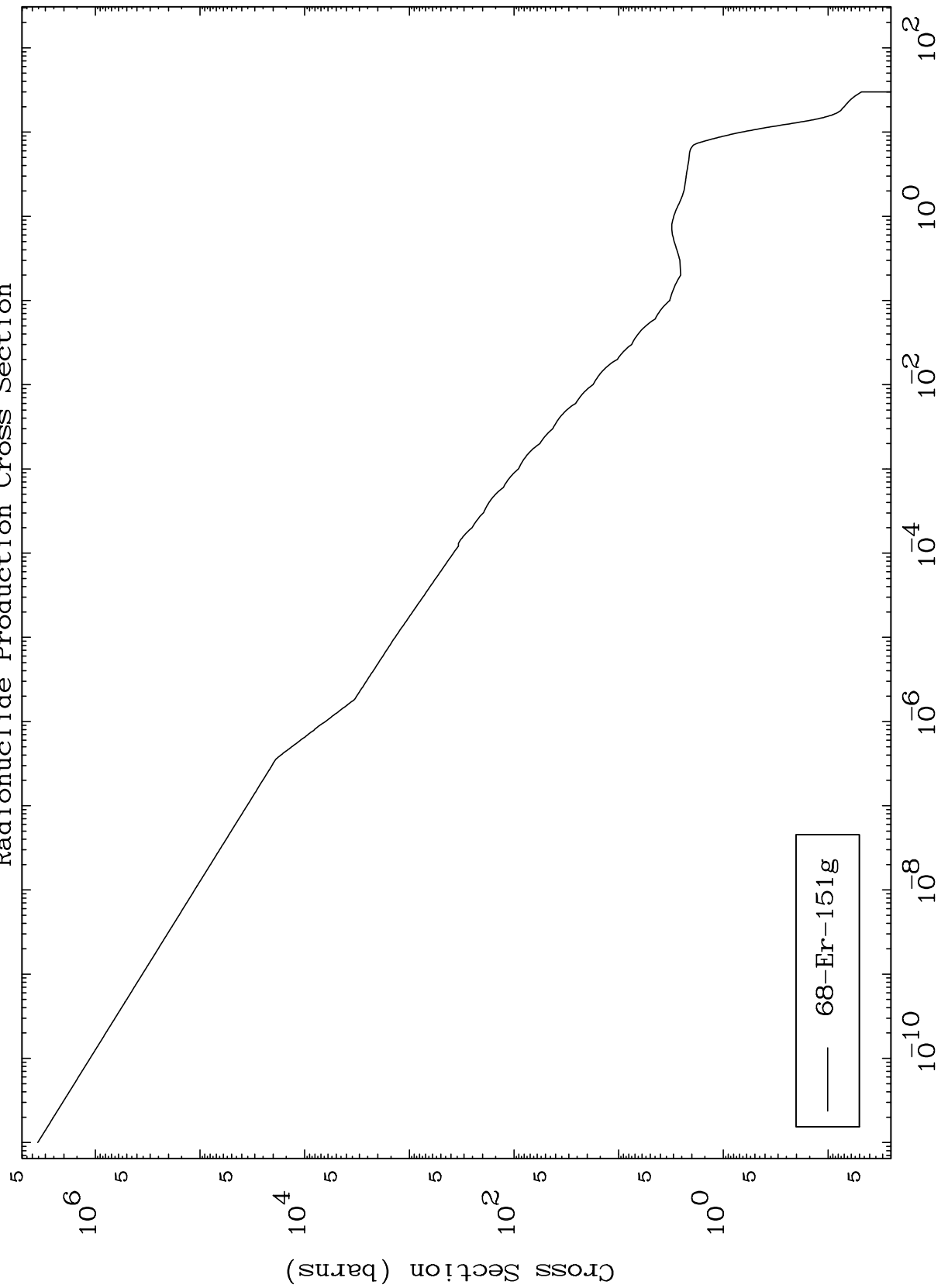
(n, γ)
Radionuclide Production Cross Section



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69-Tm-151

(n,p)
Radionuclide Production Cross Section

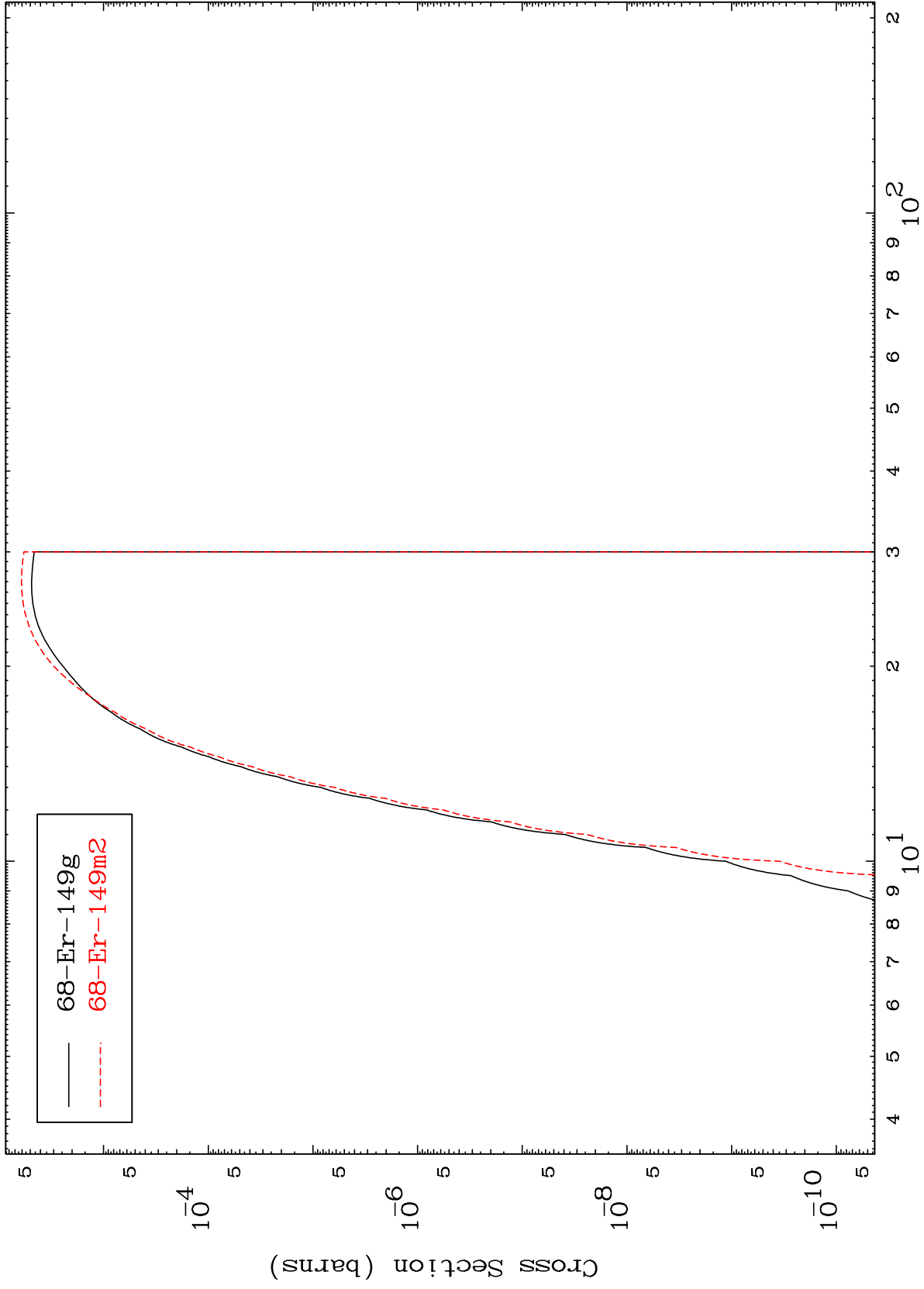


68-Er-151g

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69-Tm-151

(n, t)
Radionuclide Production Cross Section



25

Incident Energy (MeV)

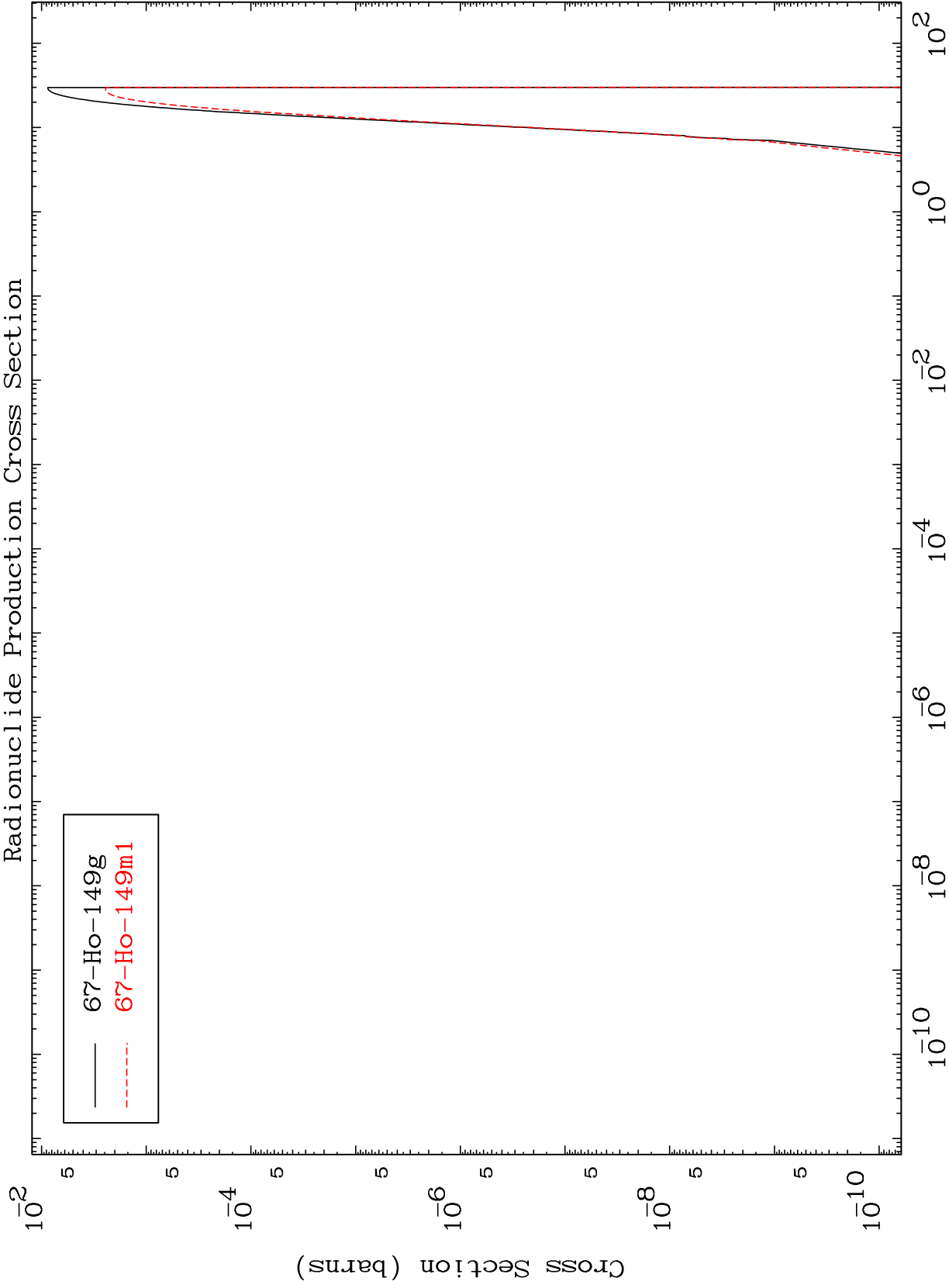
69-Tm-151

MAT 6872

(n,He-3)

69-Tm-151

Radionuclide Production Cross Section



Incident Energy (MeV)

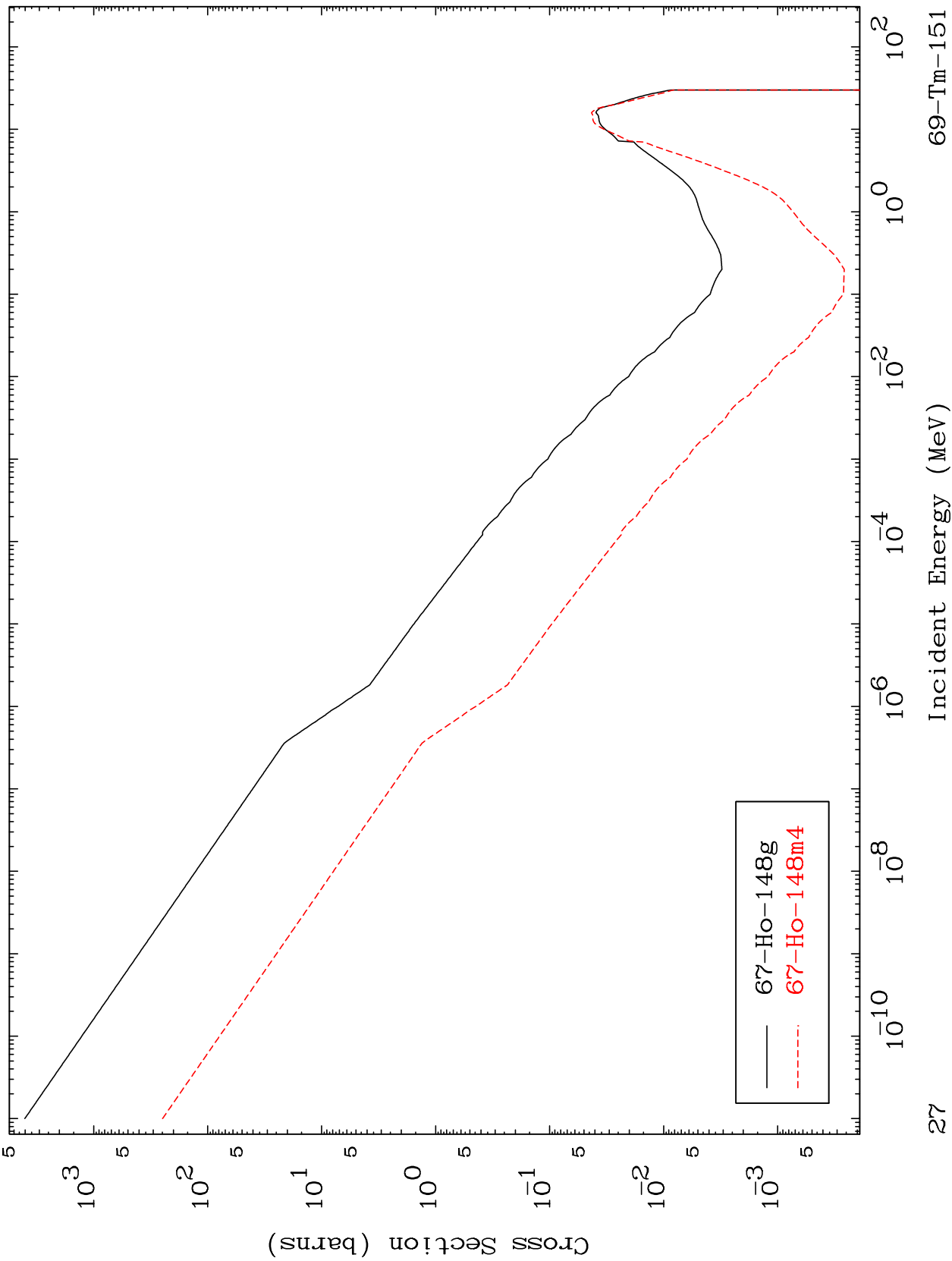
69-Tm-151

26

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69-Tm-151

Radionuclide Production Cross Section

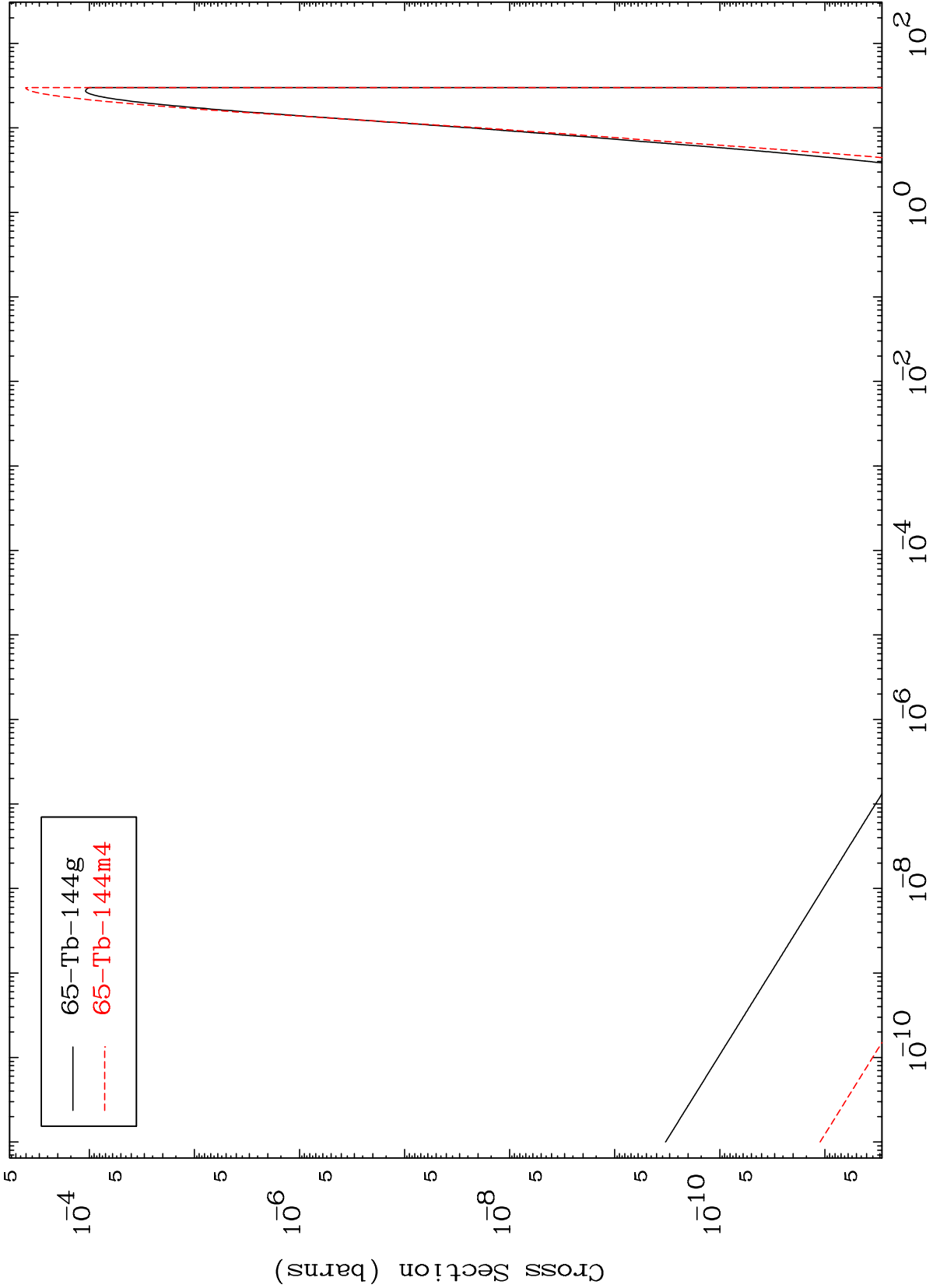


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(n,2α)

69-Tm-151

Radionuclide Production Cross Section

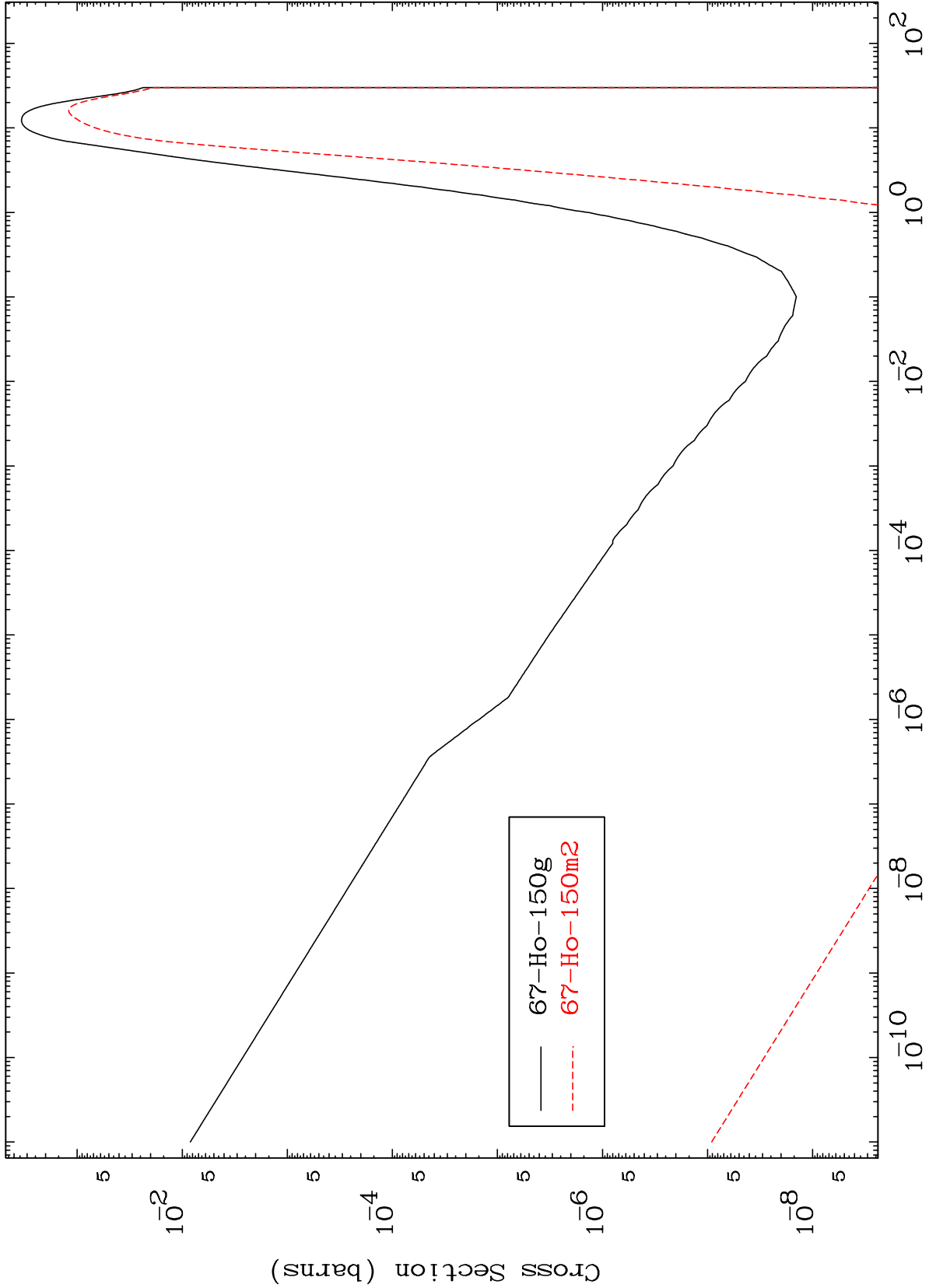


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(n,2p)

69-Tm-151

Radionuclide Production Cross Section

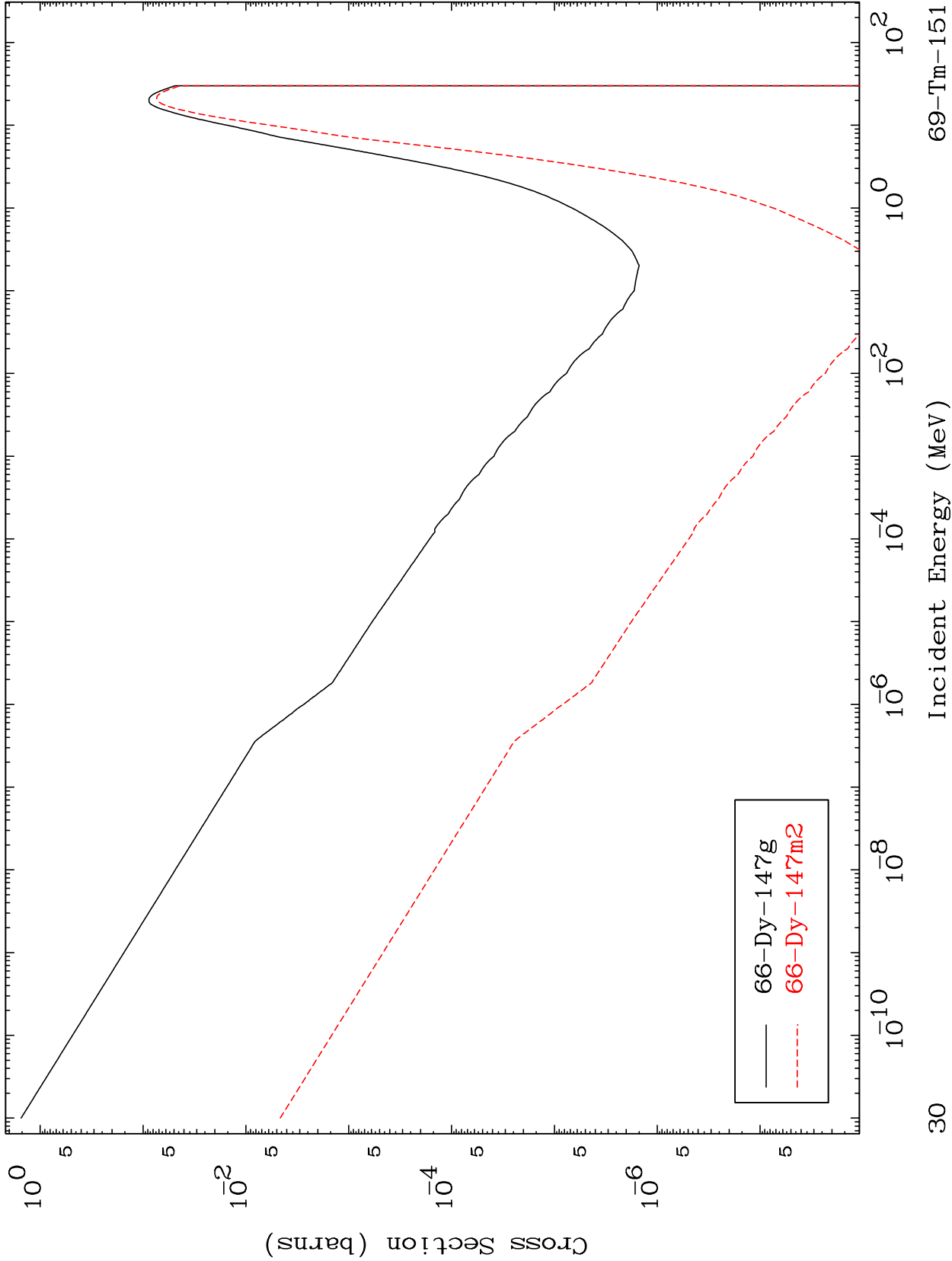


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(n,p) α

69-Tm-151

Radionuclide Production Cross Section

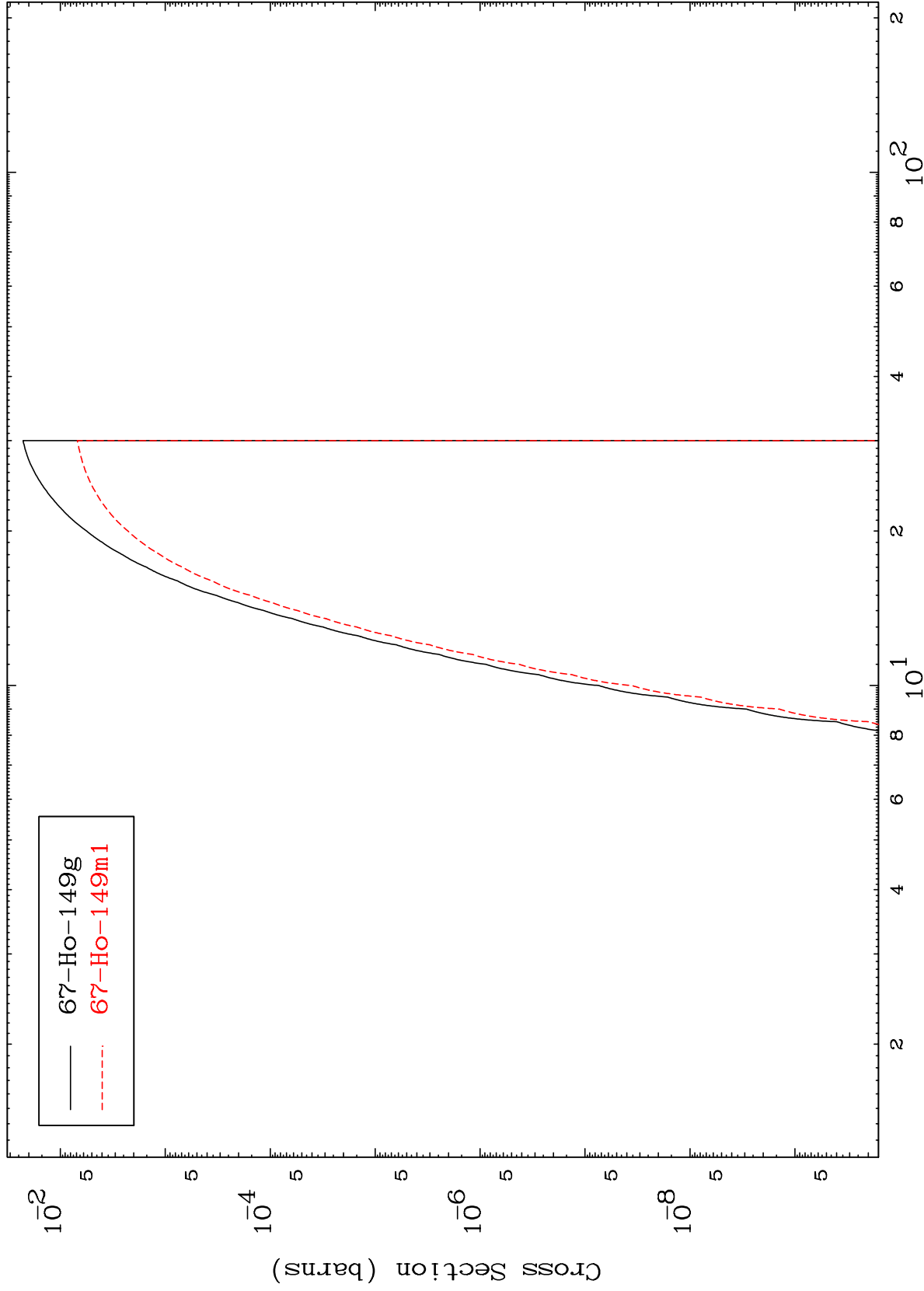


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(n,p) d

69-Tm-151

Radionuclide Production Cross Section



31

Incident Energy (MeV)

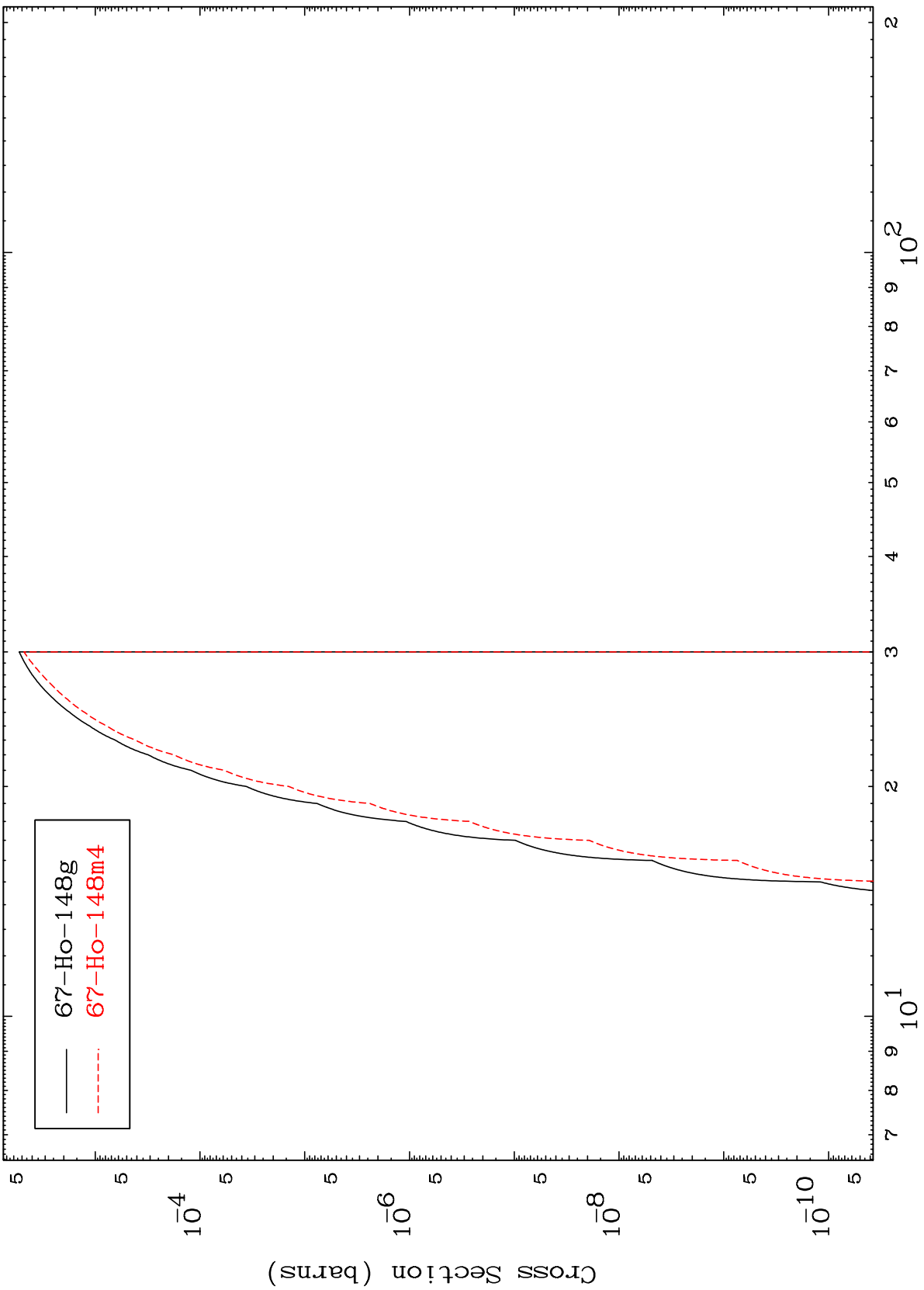
69-Tm-151

MAT 6872

(n,p) t

69-Tm-151

Radionuclide Production Cross Section



32

Incident Energy (MeV)

69-Tm-151

MAT 6872

(n,d) α

69-Tm-151

Radionuclide Production Cross Section

