

Program EVALPLOT
(Version 2015-2)

by

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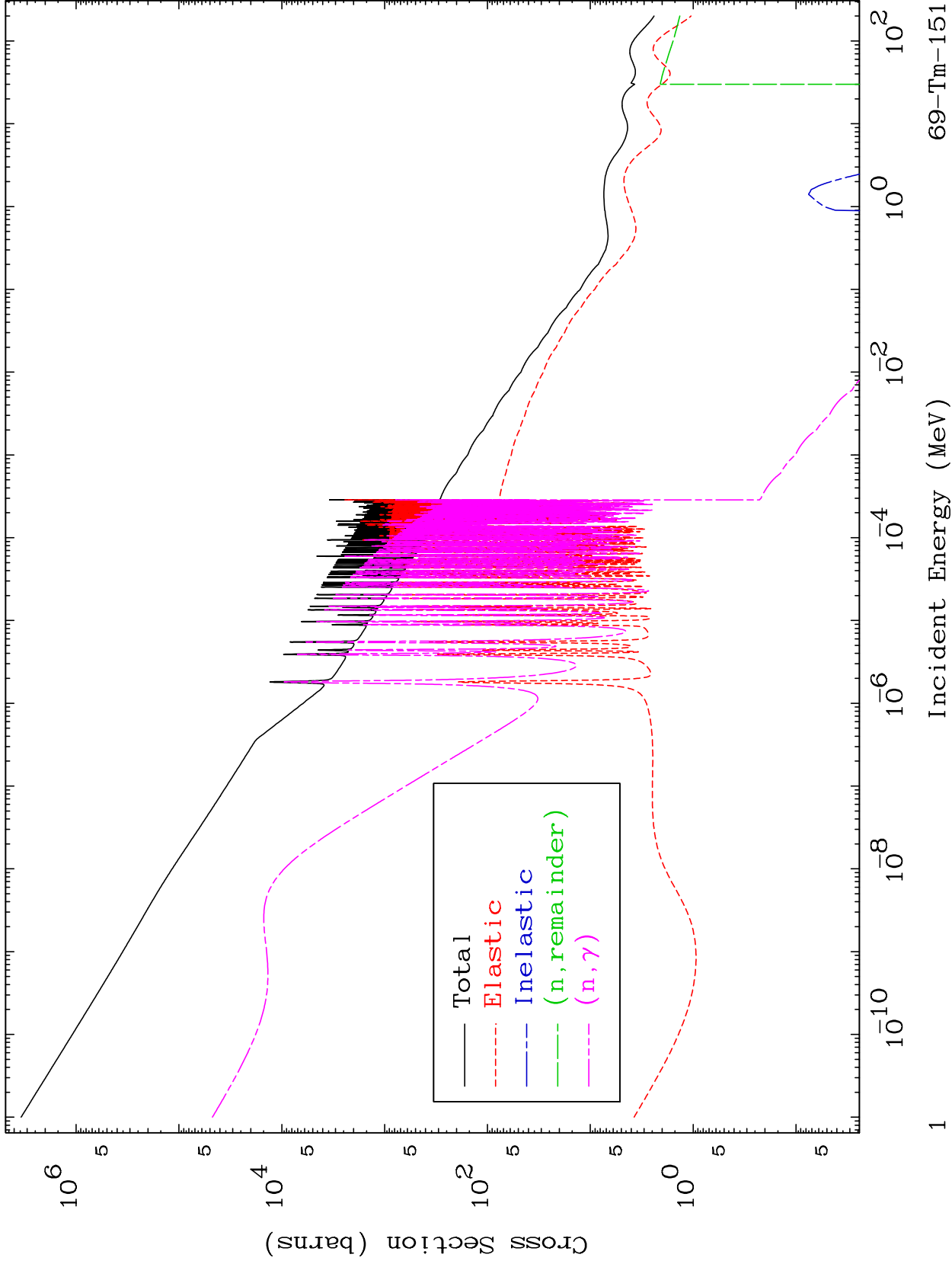
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6872

Major
293 Kelvin Cross Sections

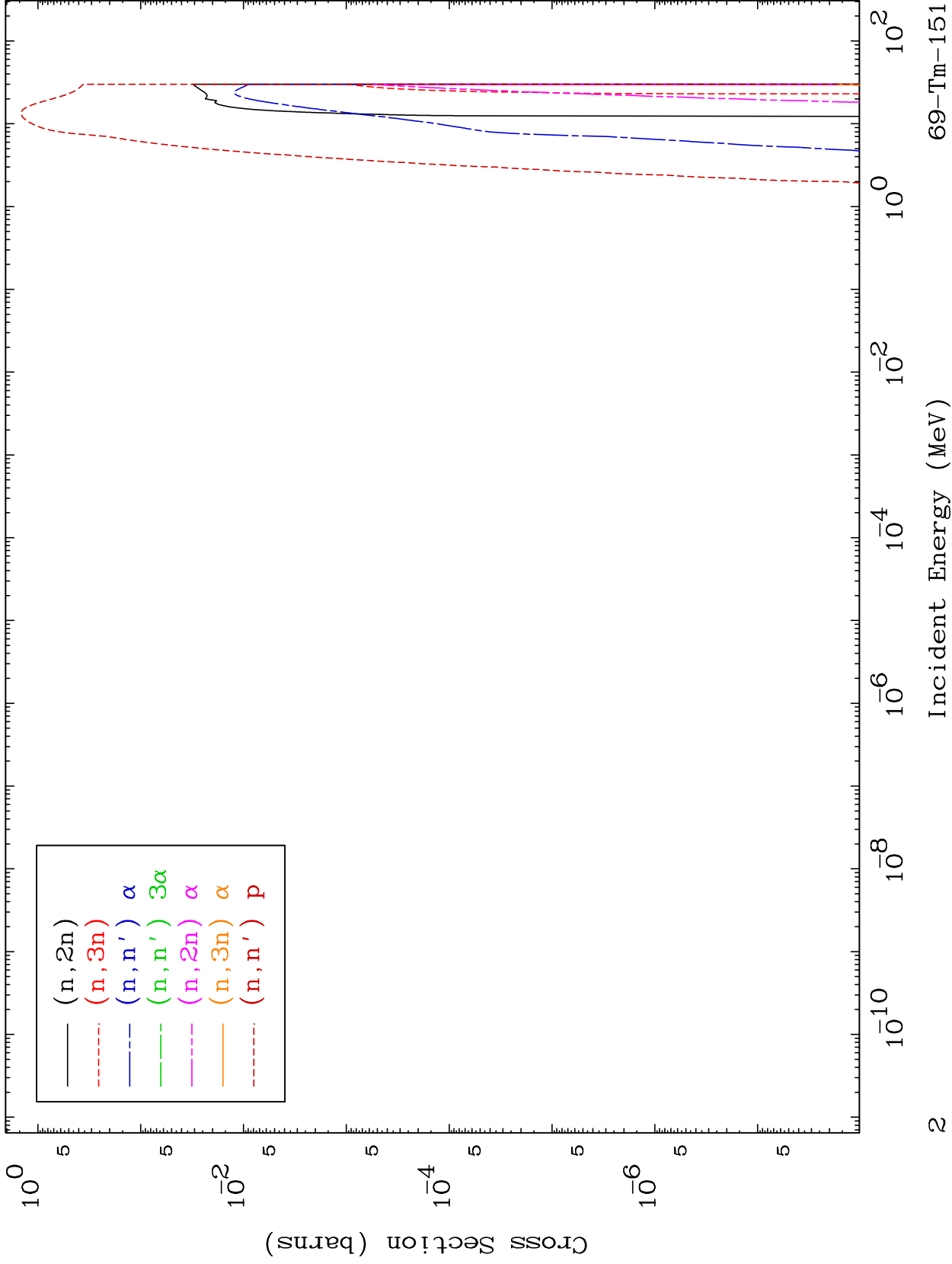
69-Tm-151



MAT 6872

Neutron Production
293 Kelvin Cross Sections

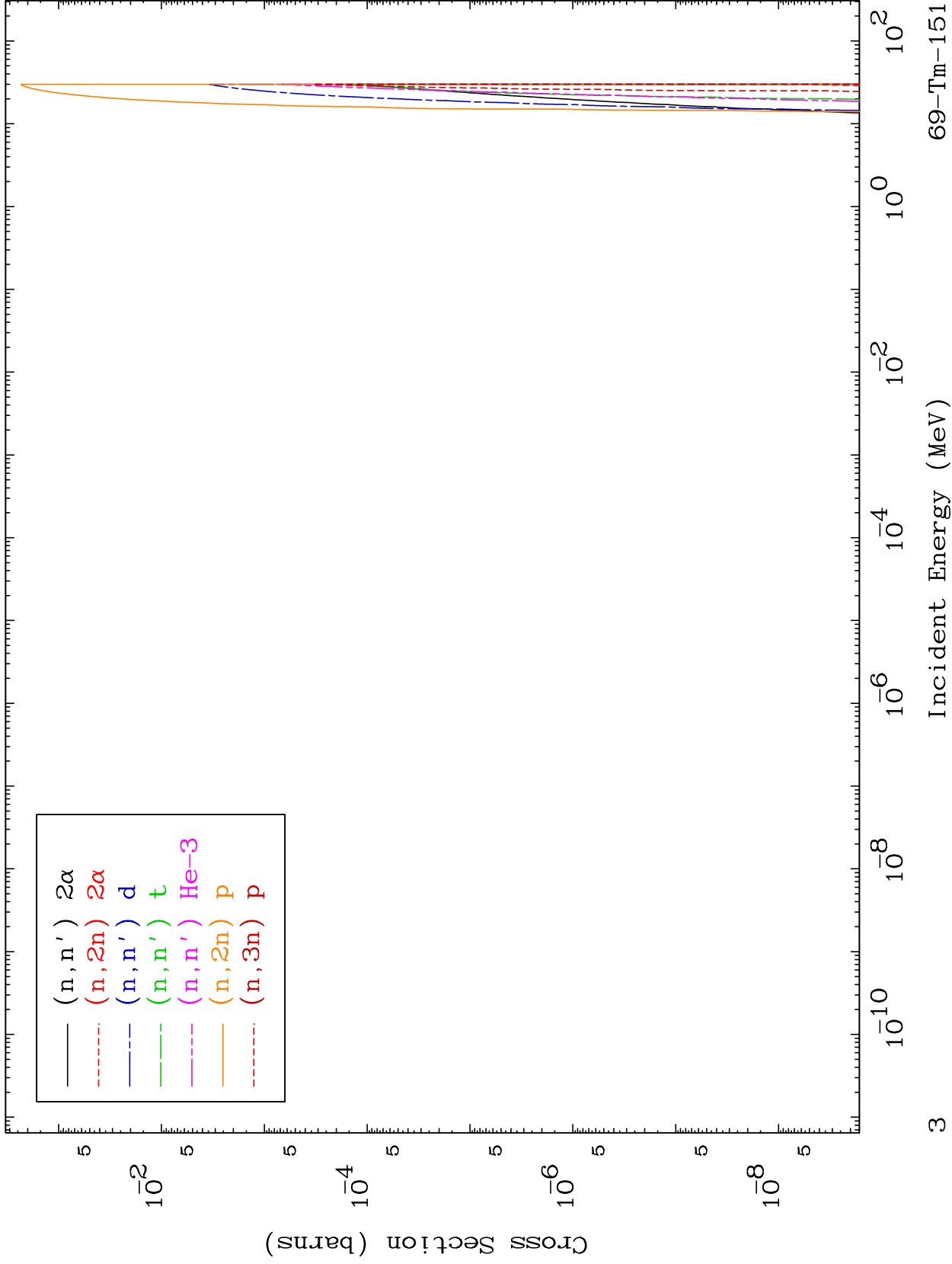
69-Tm-151



MAT 6872

Neutron Production
293 Kelvin Cross Sections

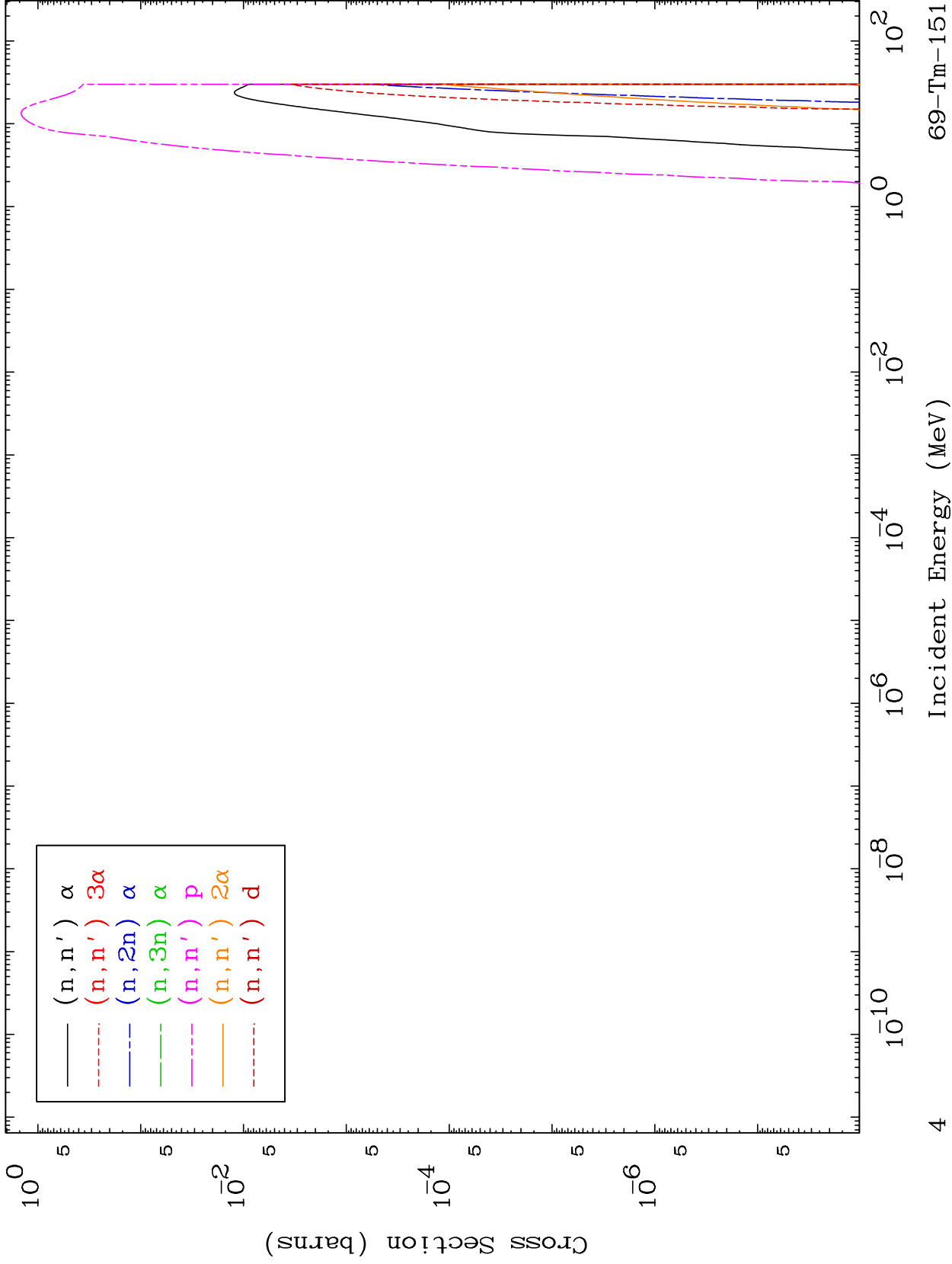
69-Tm-151



MAT 6872

Charged Particle
293 Kelvin Cross Sections

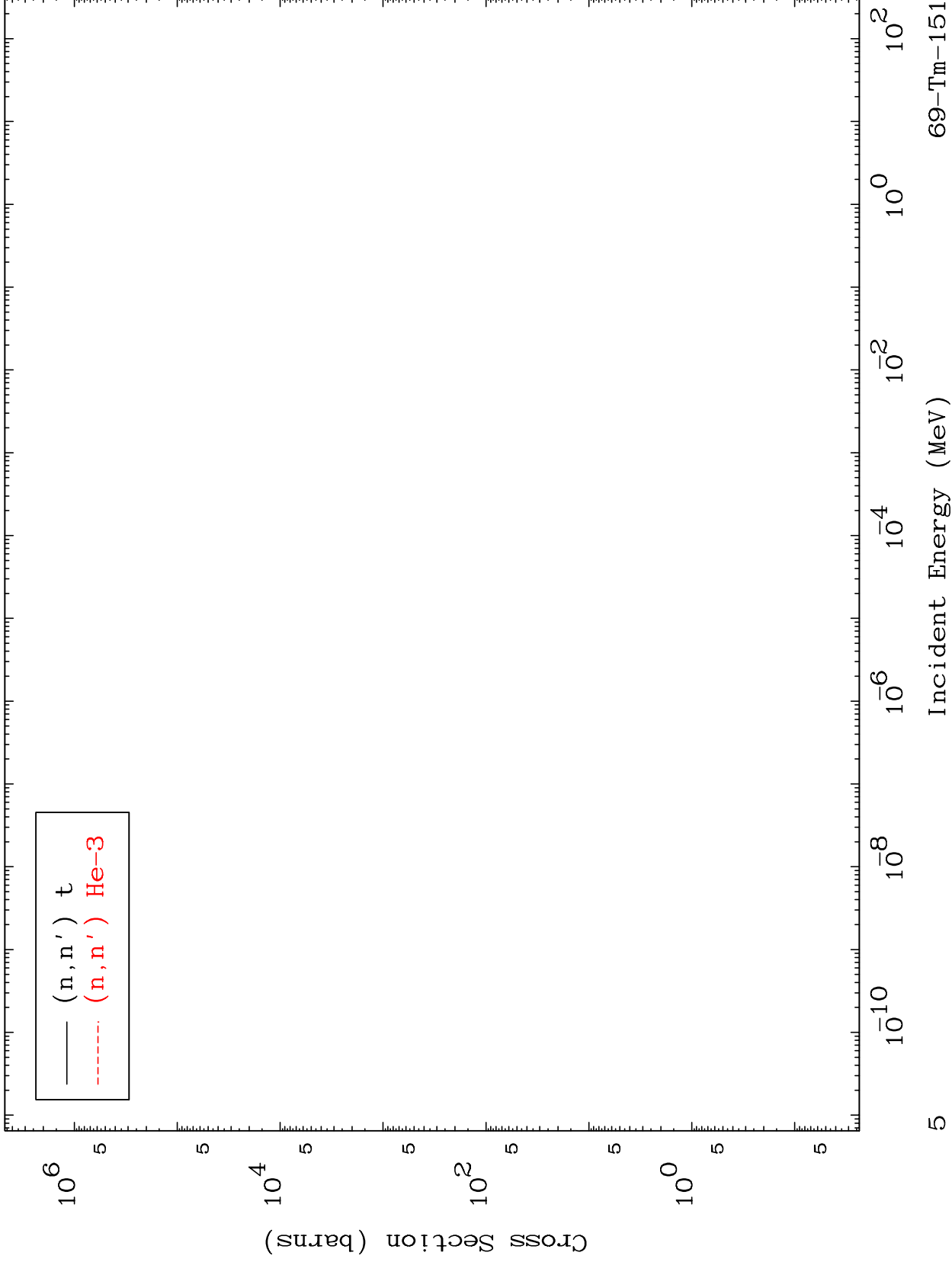
69-Tm-151



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Charged Particle
293 Kelvin Cross Sections

69-Tm-151

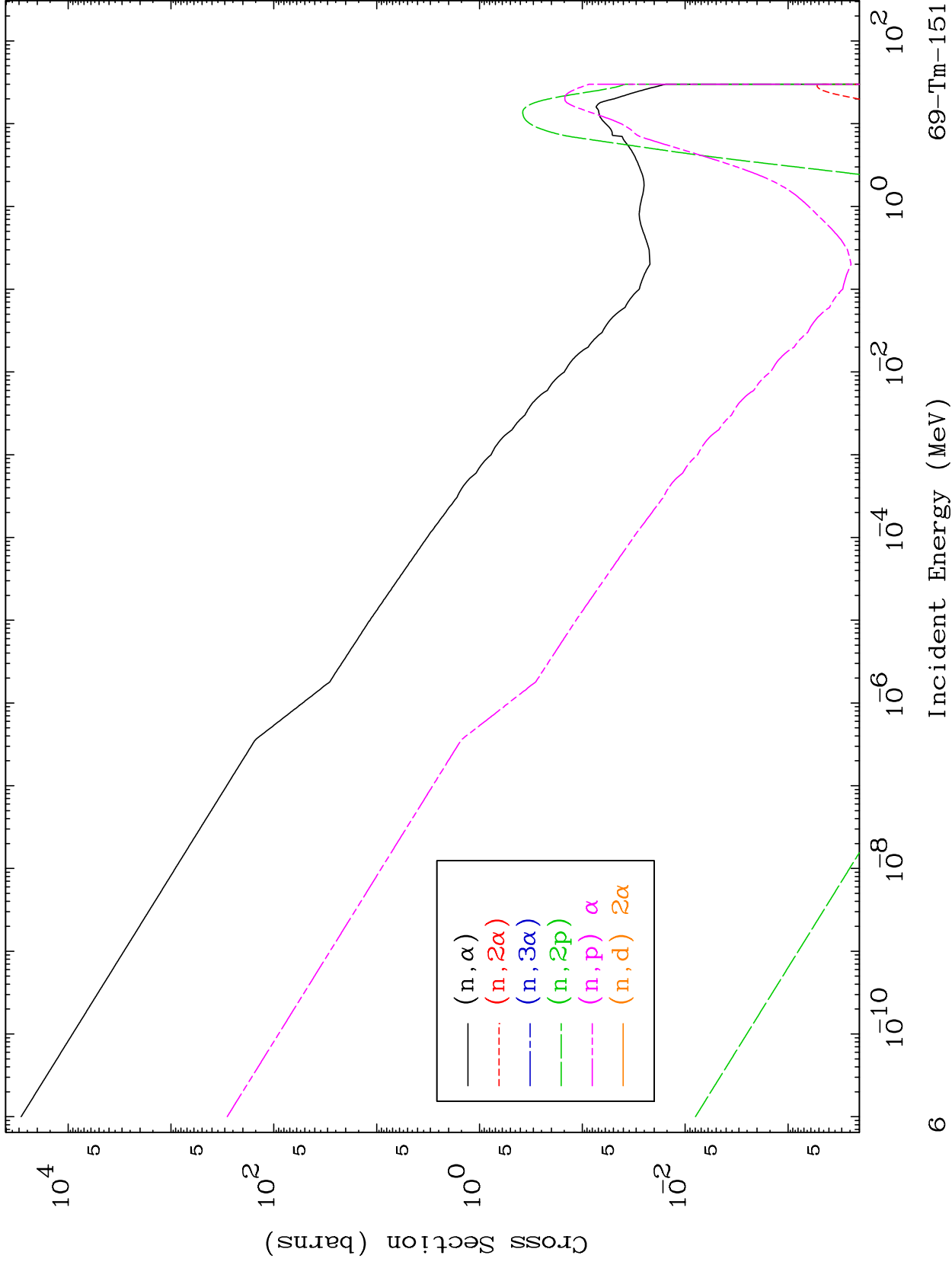


69-Tm-151

MAT 6872

Charged Particle
293 Kelvin Cross Sections

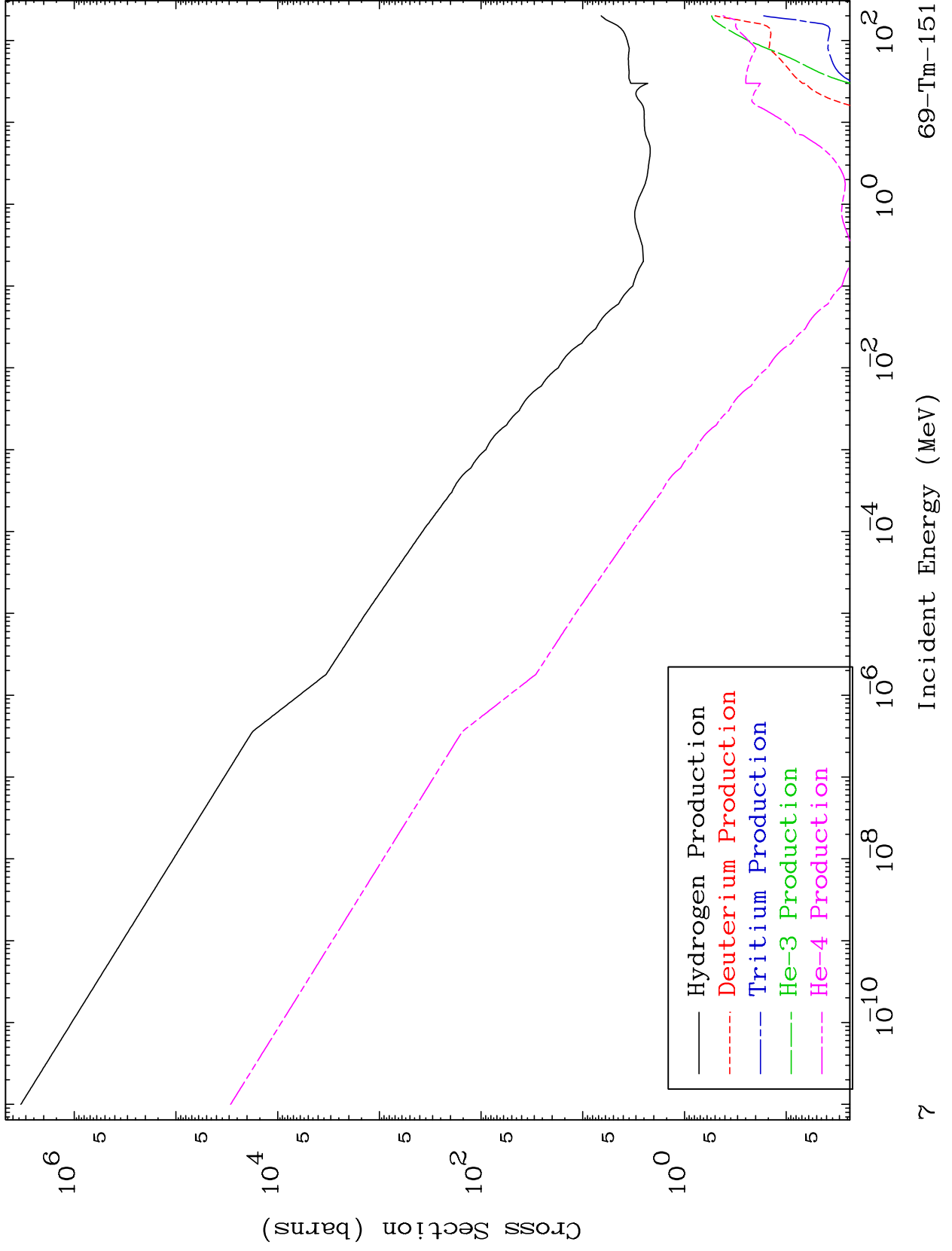
69-Tm-151



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Particle Production
293 Kelvin Cross Sections

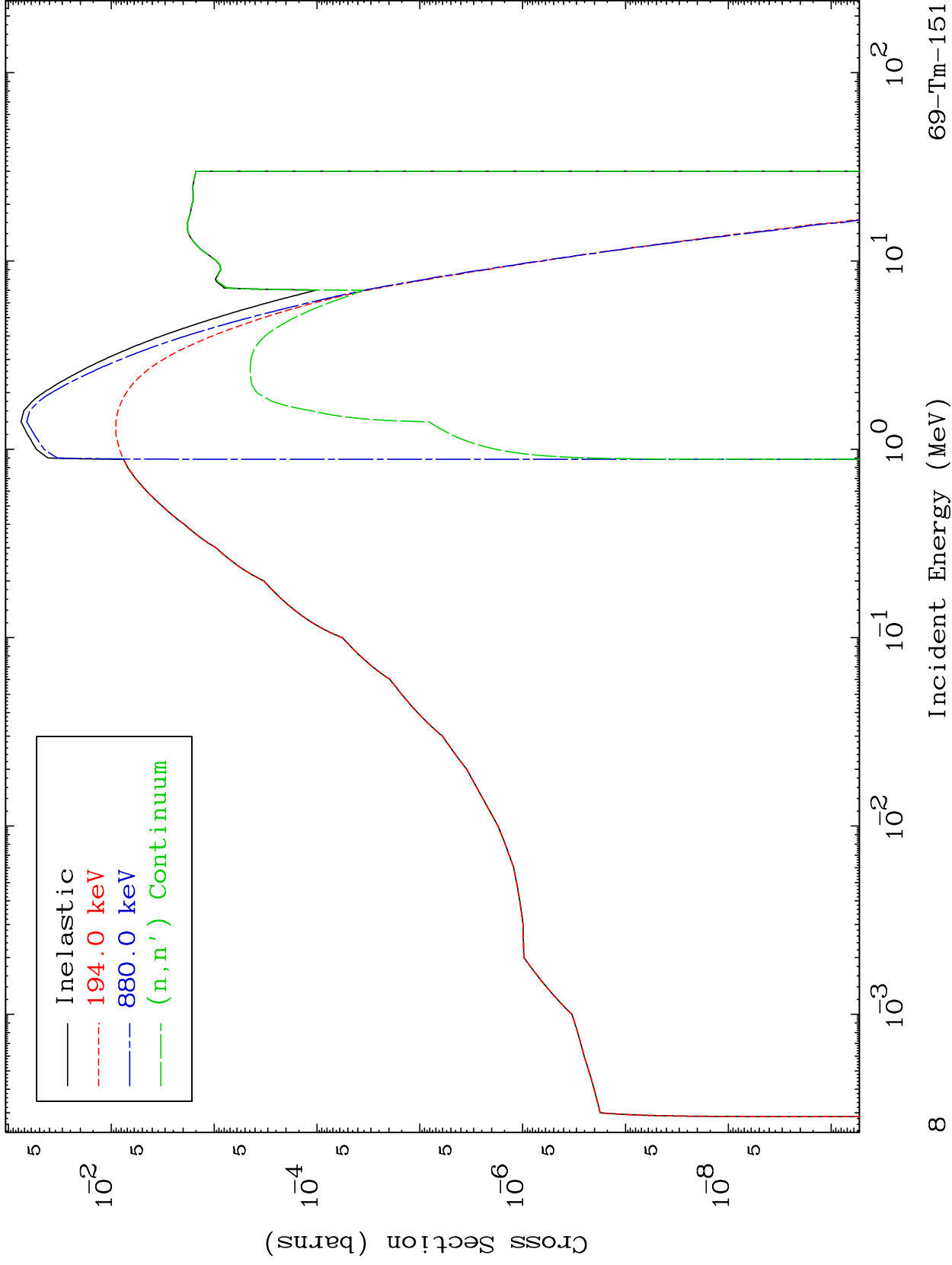
69-Tm-151



MAT 6872

(n,n') Level
293 Kelvin Cross Sections

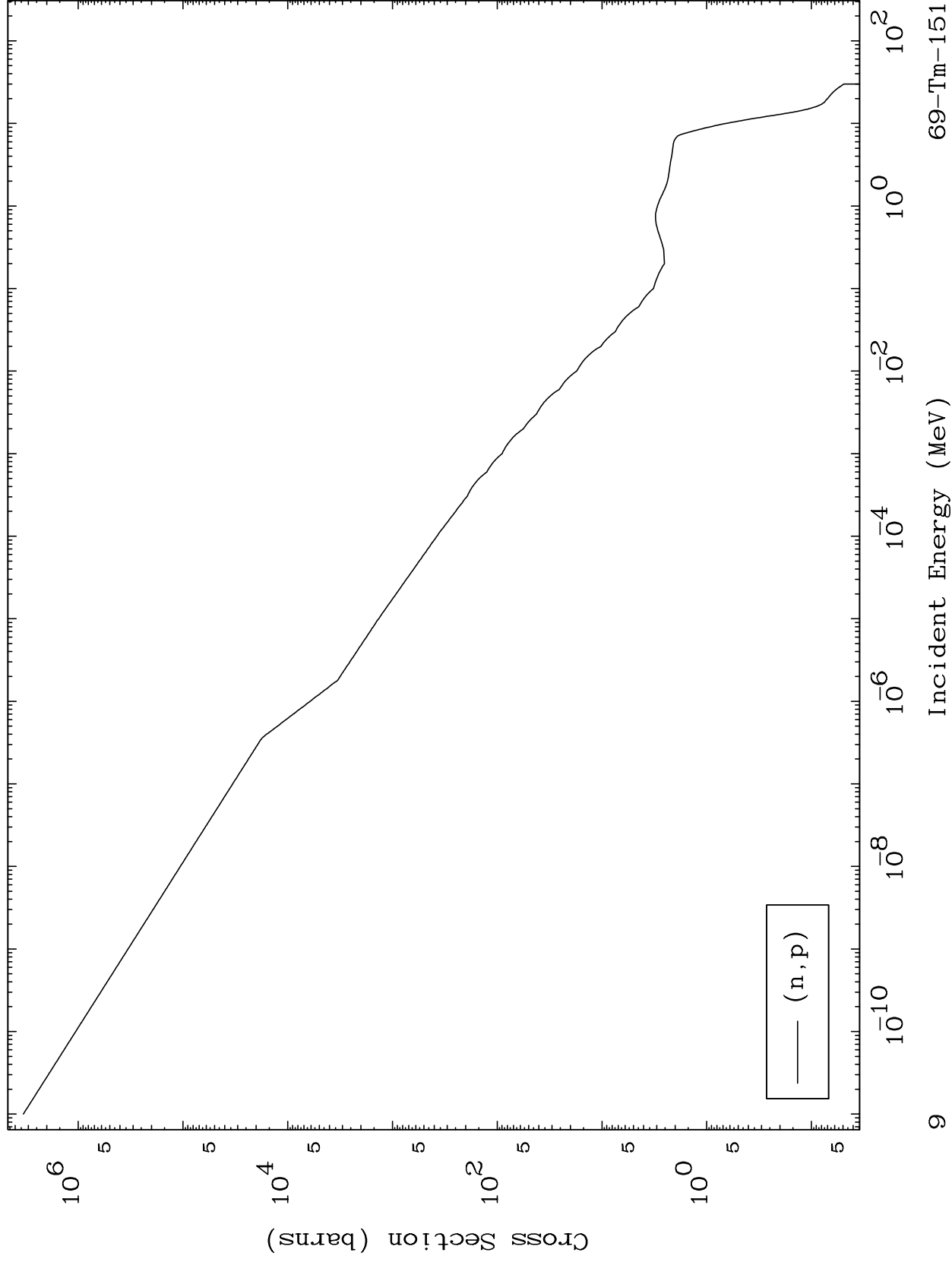
69-Tm-151



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(n,p) Levels
293 Kelvin Cross Sections

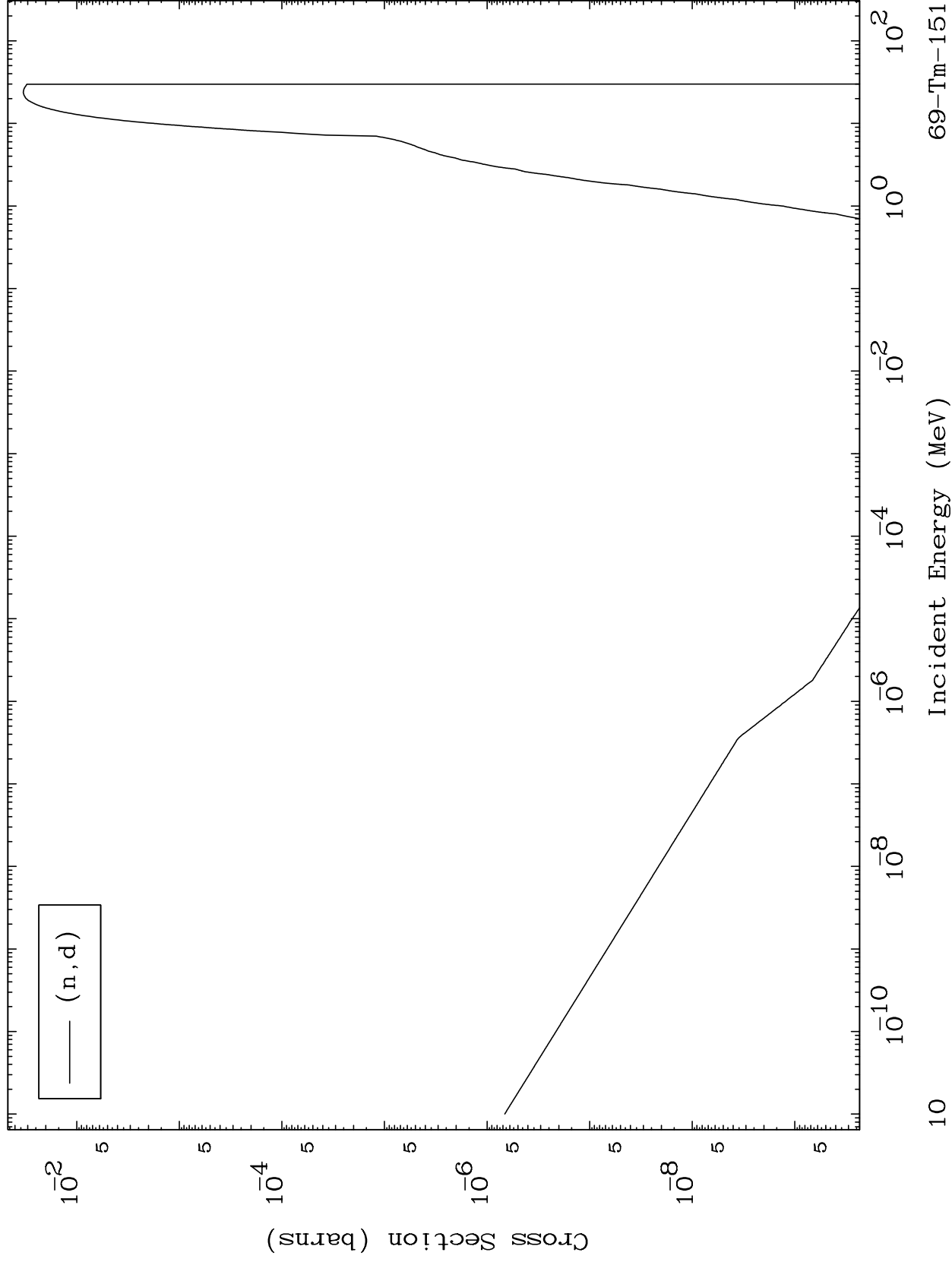
69-Tm-151



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(n,d) Levels
293 Kelvin Cross Sections

69-Tm-151



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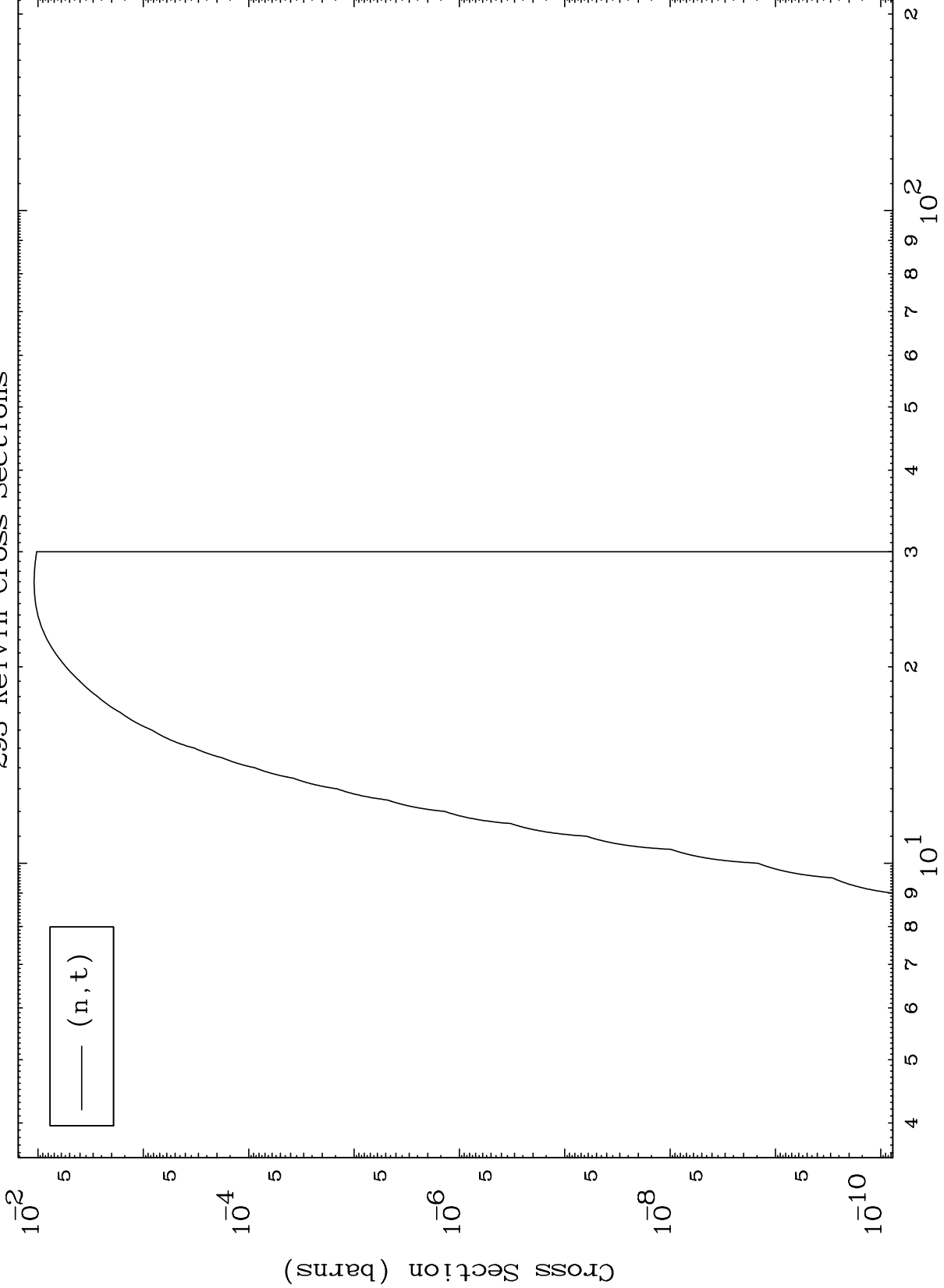
Incident Energy (MeV)

69-Tm-151

MAT 6872

(n,t) Levels
293 Kelvin Cross Sections

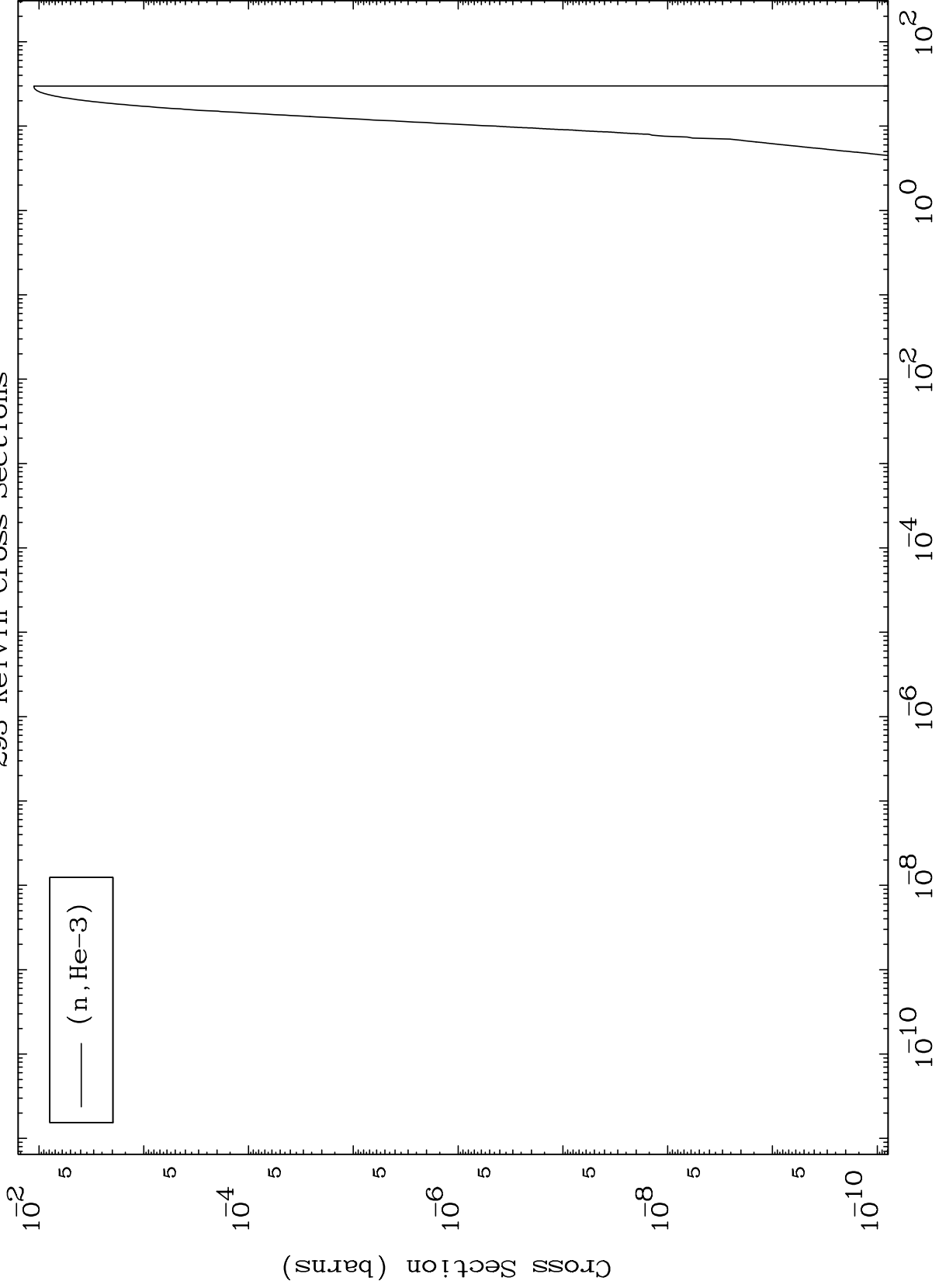
69-Tm-151



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(n,He3) Levels
293 Kelvin Cross Sections

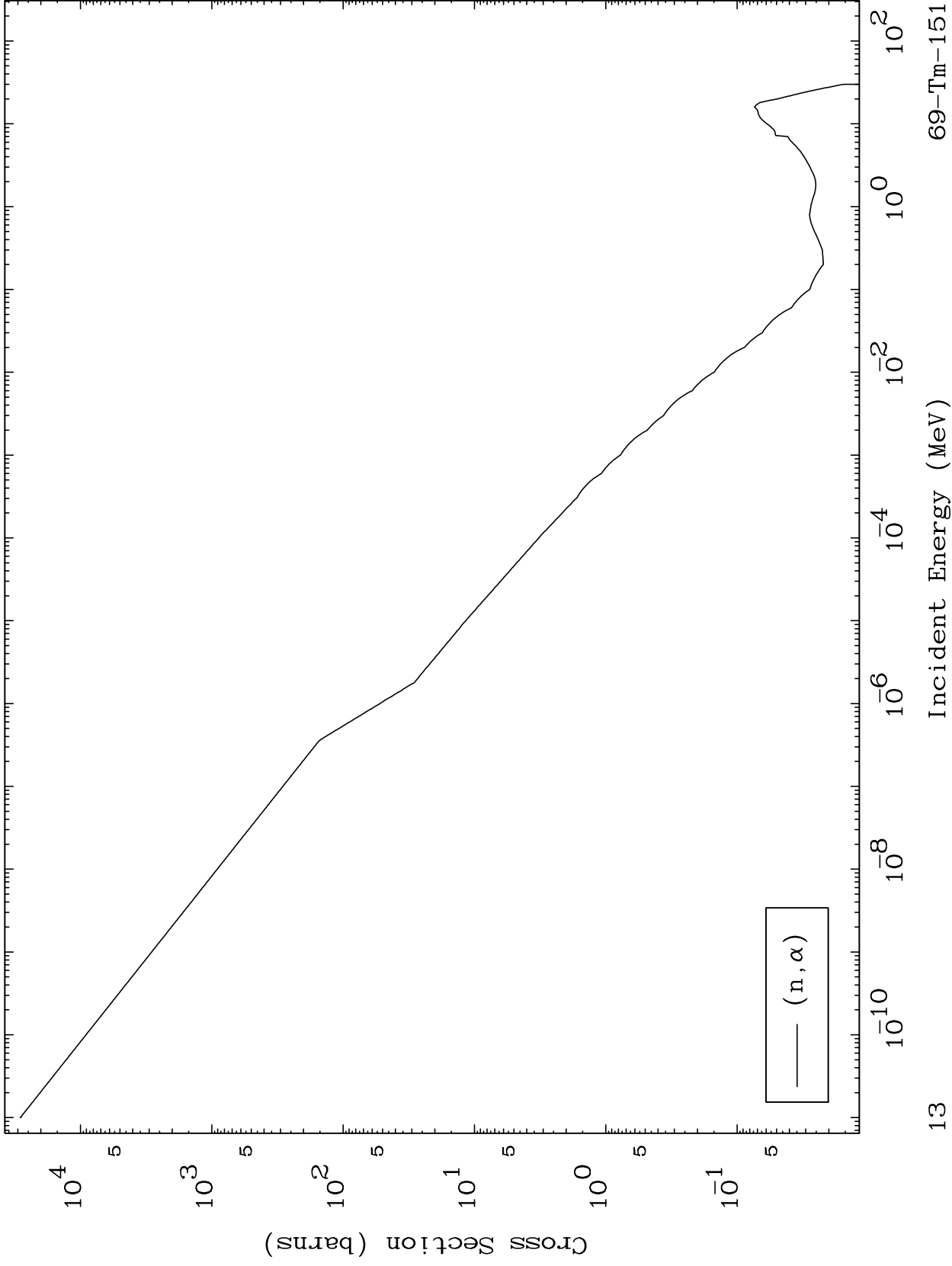
69-Tm-151

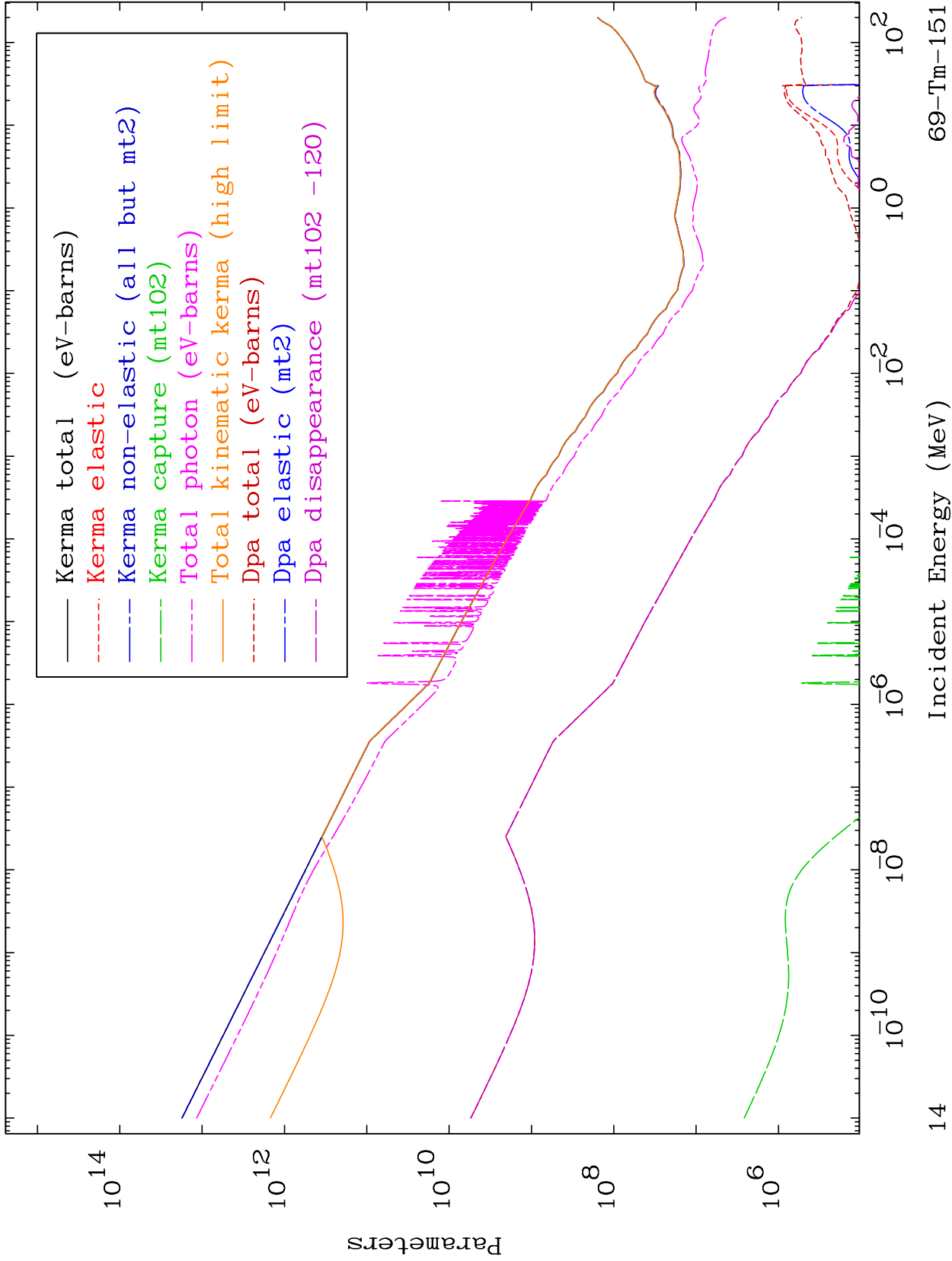


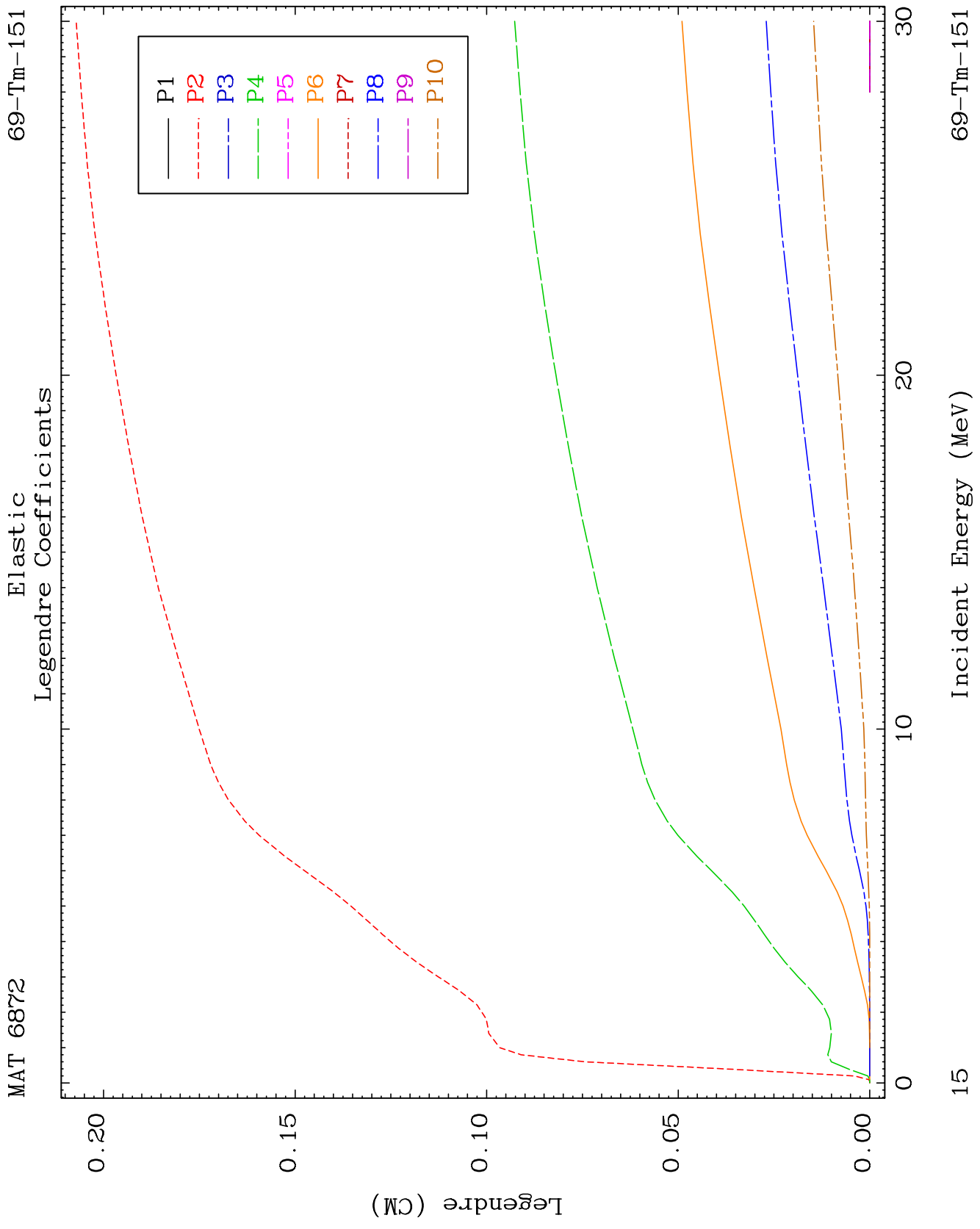
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(n,α) Levels
293 Kelvin Cross Sections

69-Tm-151



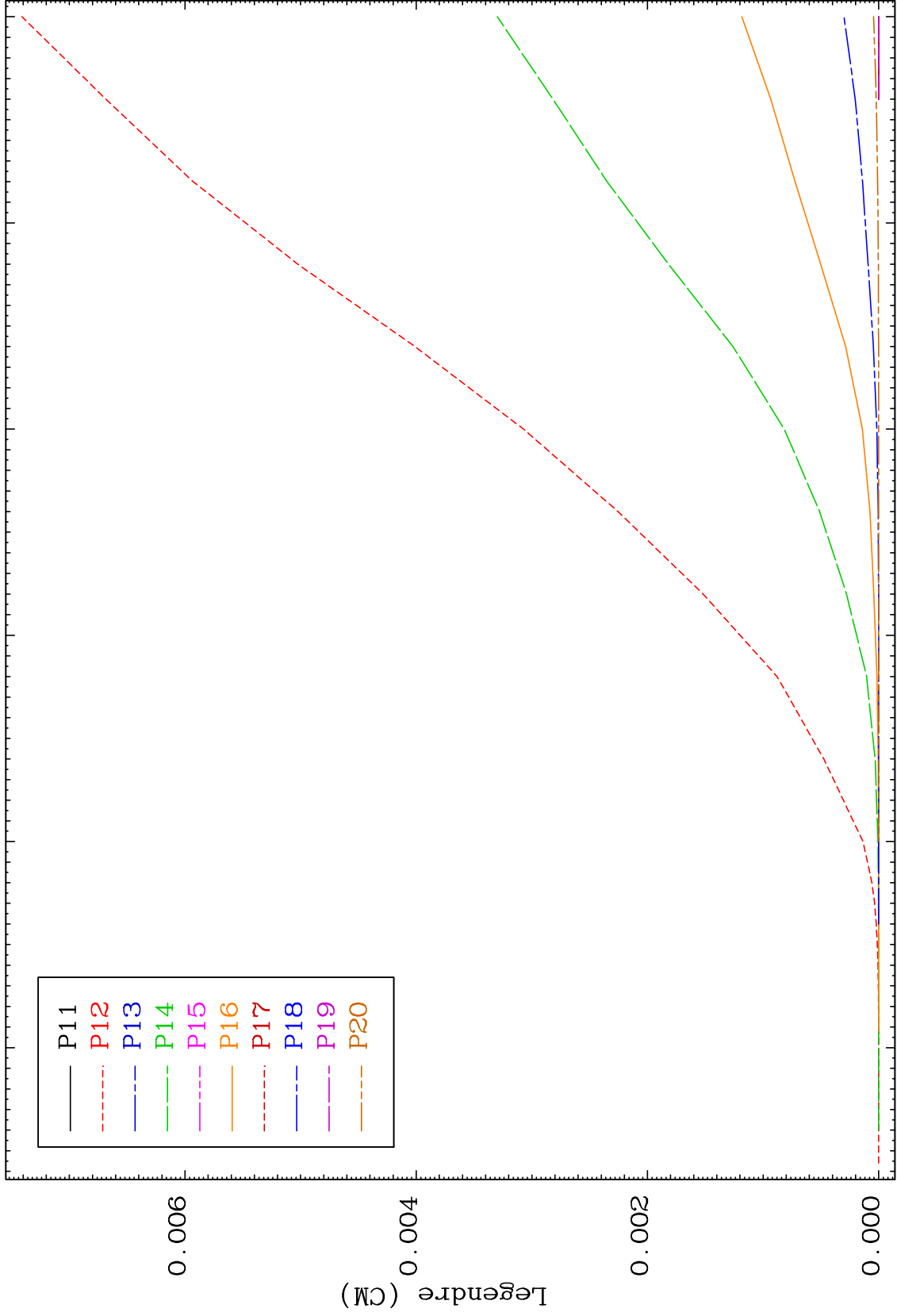




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Elastic
Legendre Coefficients

69-Tm-151



16

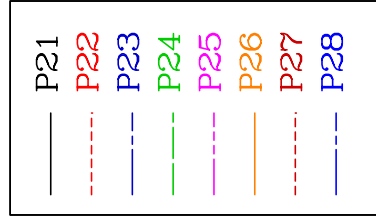
Incident Energy (MeV)

69-Tm-151

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Elastic
Legendre Coefficients

69-Tm-151



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

25

30

17

Incident Energy (MeV)

69-Tm-151



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69-Tm-151

Inelastic
Radionuclide Production Cross Section



69-Tm-151

Incident Energy (MeV)

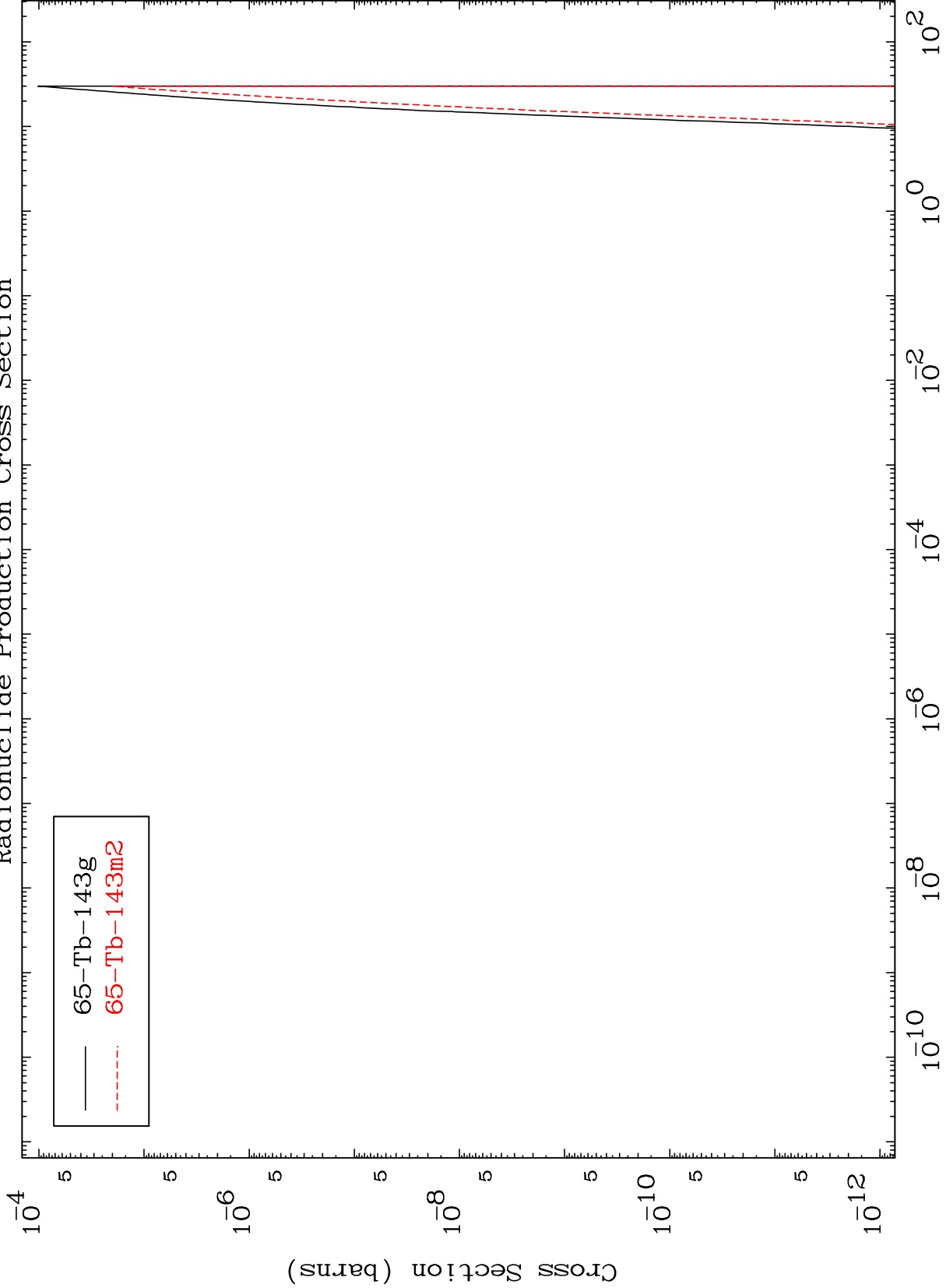
18

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(n,n') 2α

69-Tm-151

Radionuclide Production Cross Section

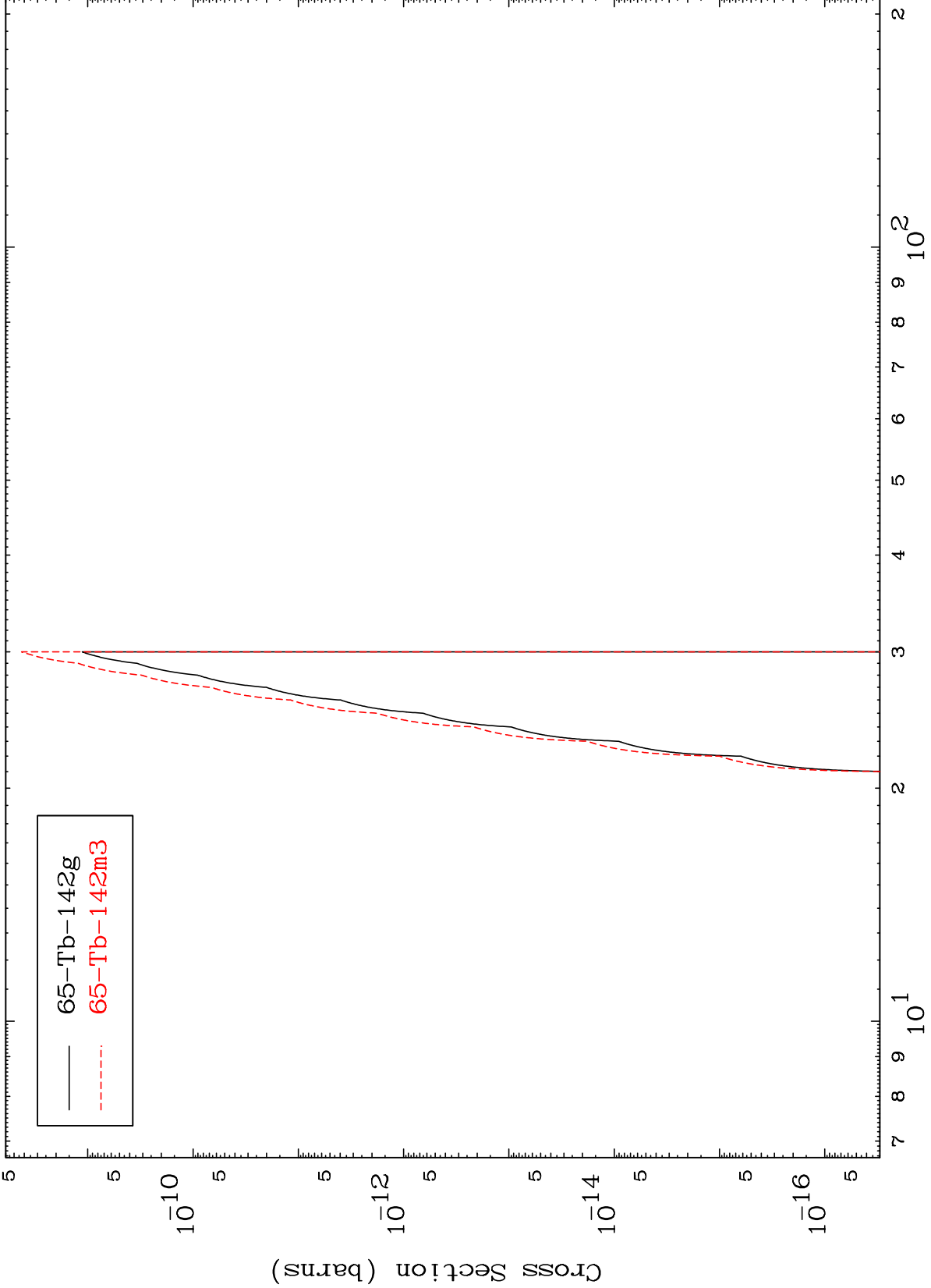


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$^{69}\text{Tm-151}$

$(n,2n) 2\alpha$

Radionuclide Production Cross Section



65-Tb-142g
65-Tb-142m3

20

Incident Energy (MeV)

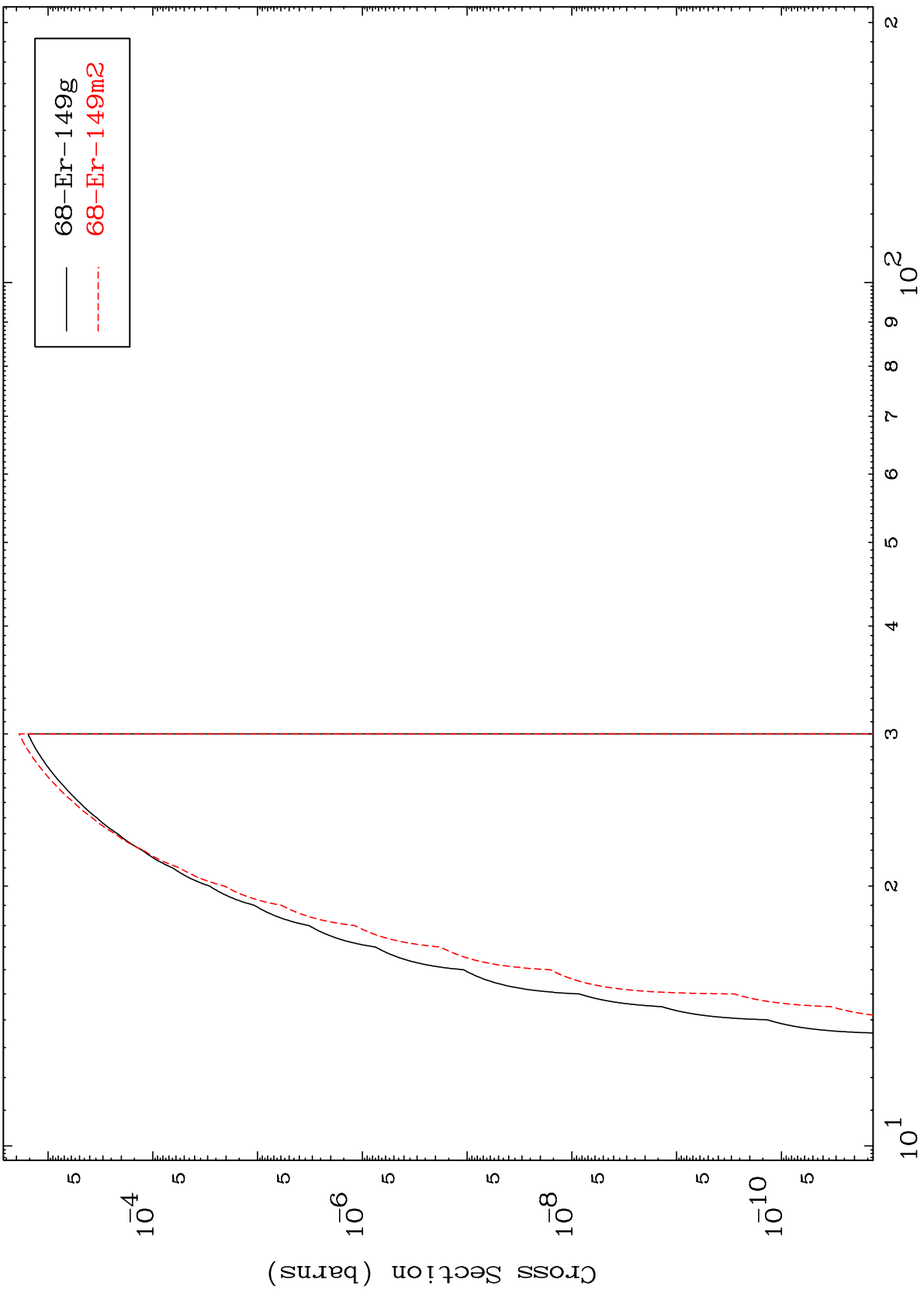
$^{69}\text{Tm-151}$

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(n,n') d

69-Tm-151

Radionuclide Production Cross Section



21

Incident Energy (MeV)

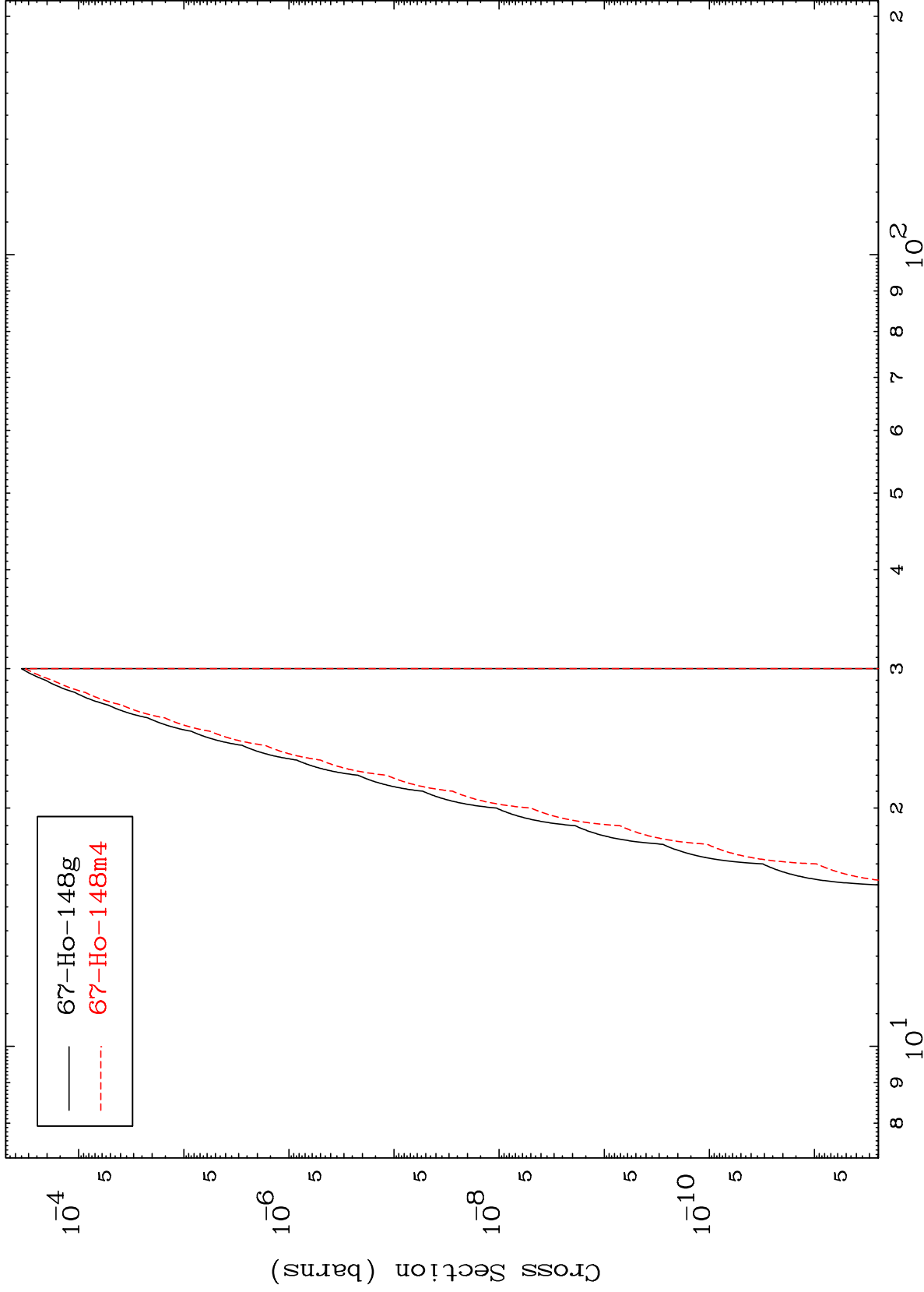
69-Tm-151

MAT 6872

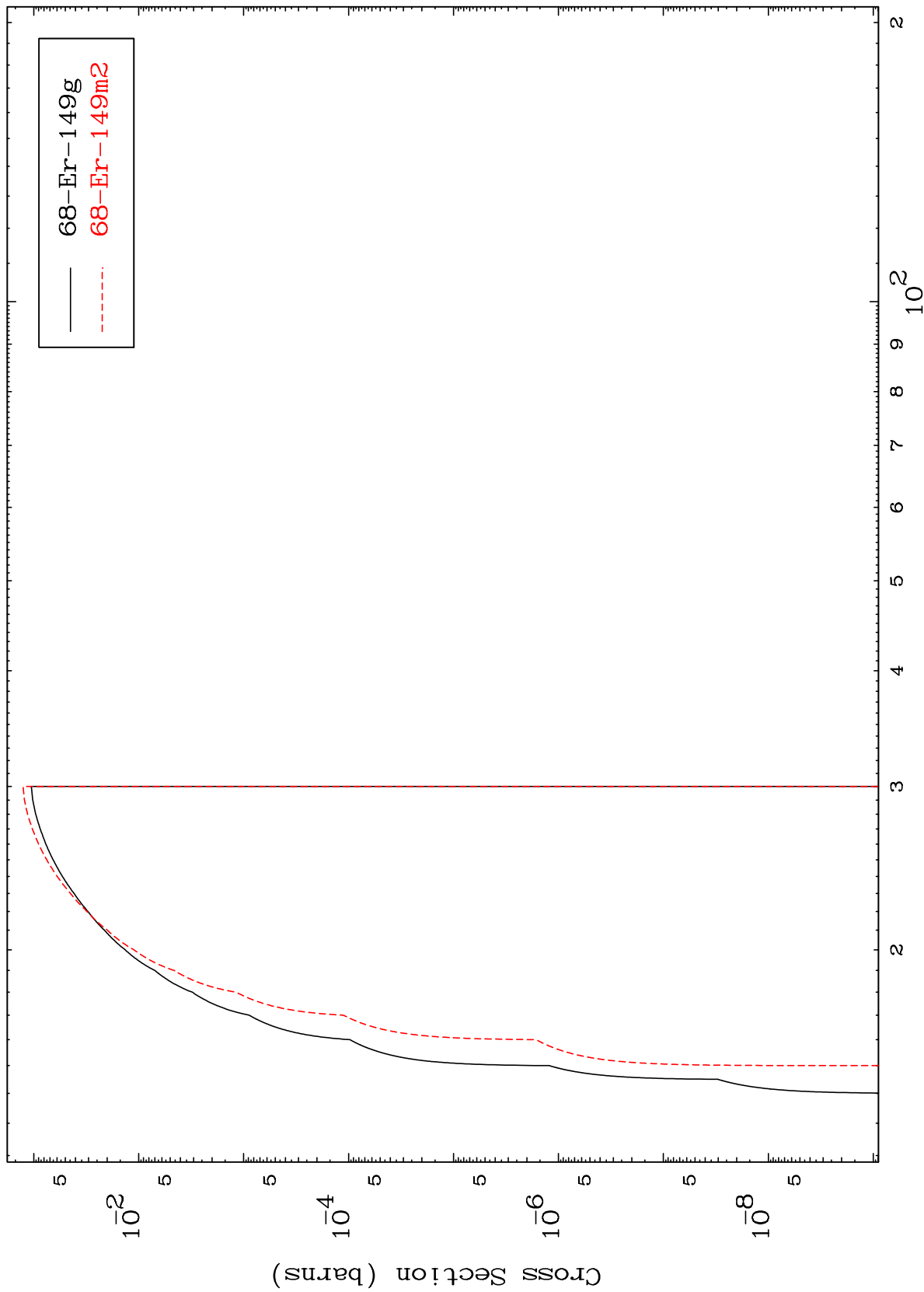
(n,n') He-3

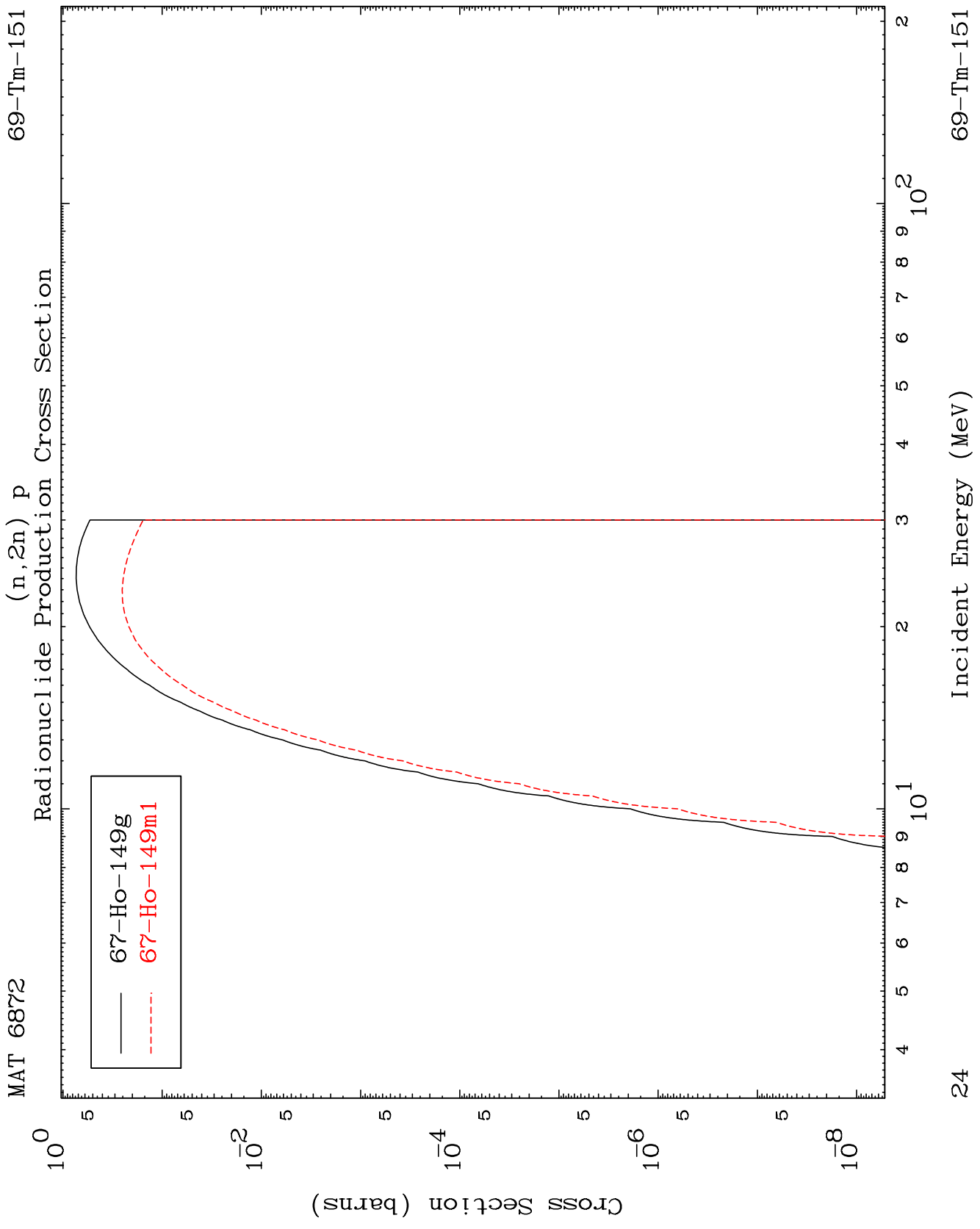
69-Tm-151

Radionuclide Production Cross Section



Radionuclide Production Cross Section



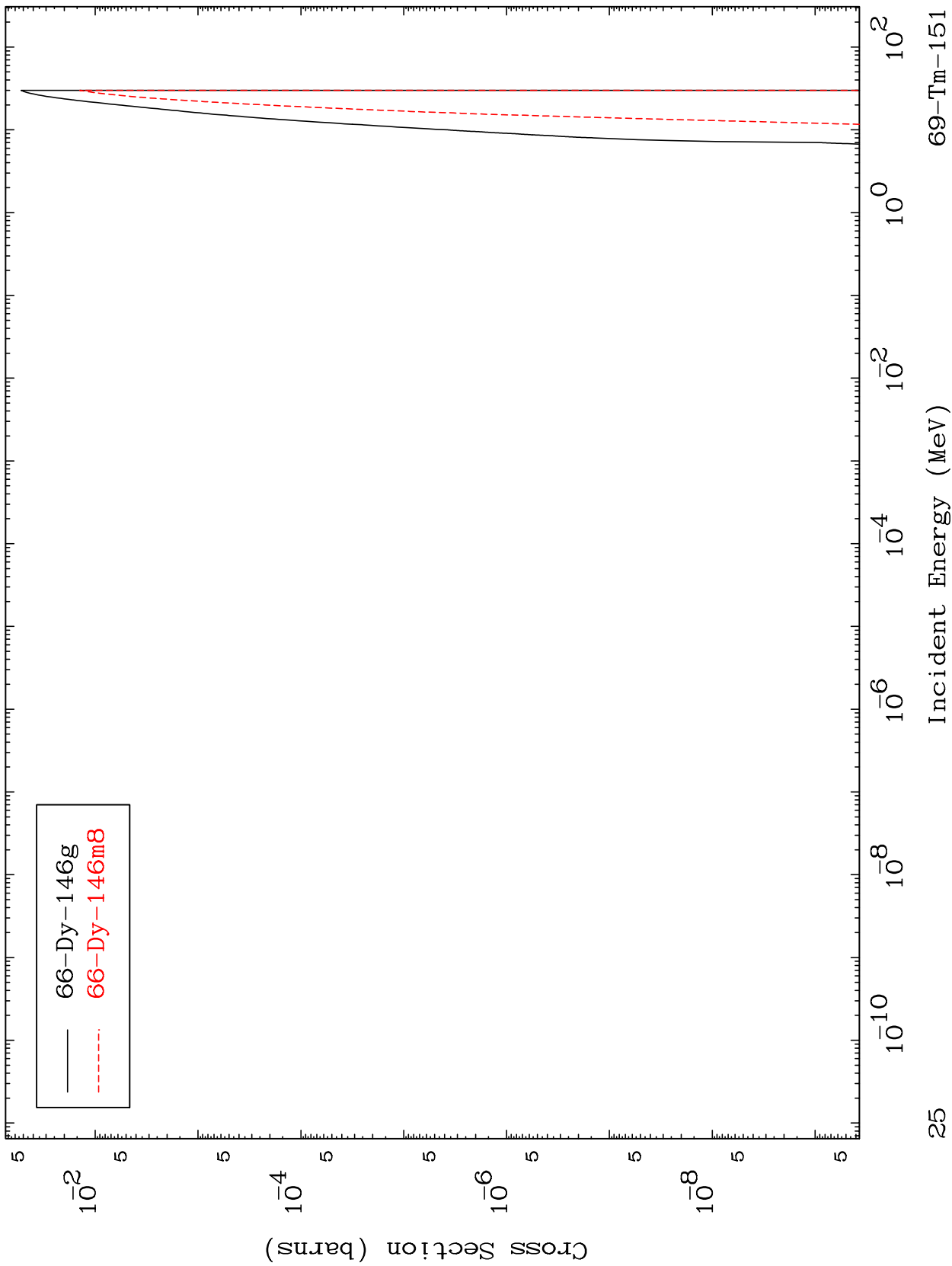


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(n,n') p α

69-Tm-151

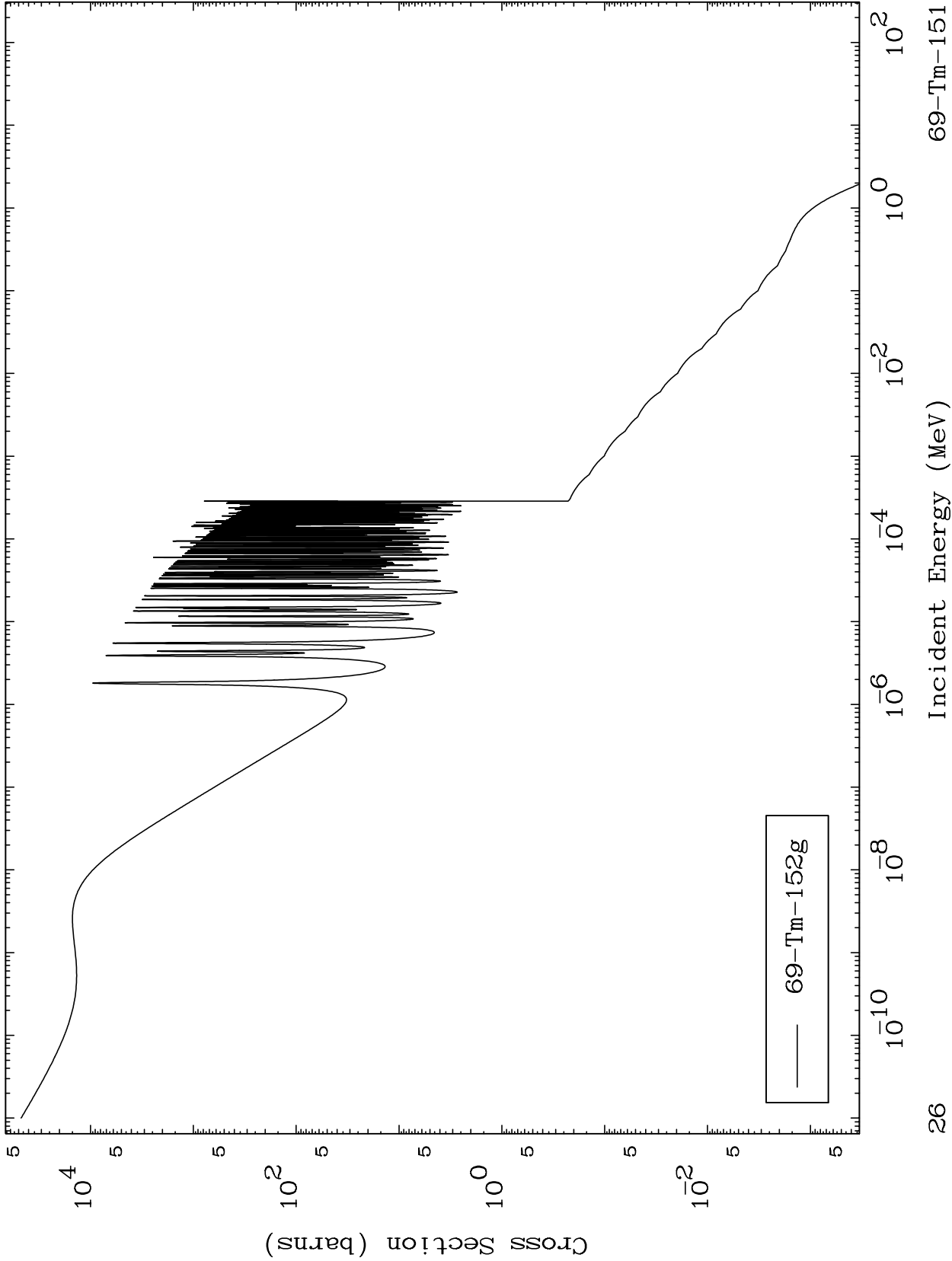
Radionuclide Production Cross Section



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69-Tm-151

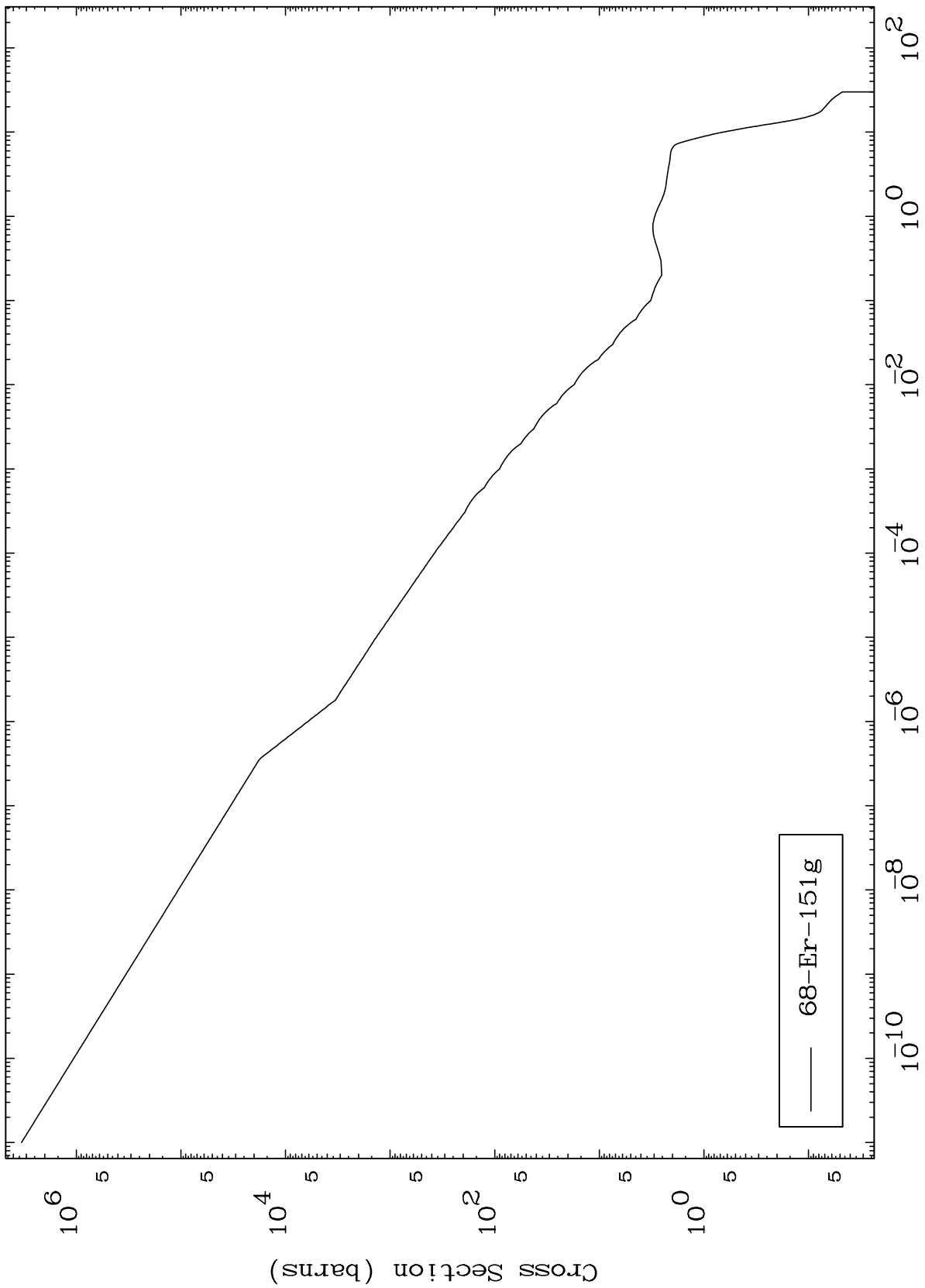
(n,γ)
Radionuclide Production Cross Section



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69-Tm-151

(n,p)
Radionuclide Production Cross Section

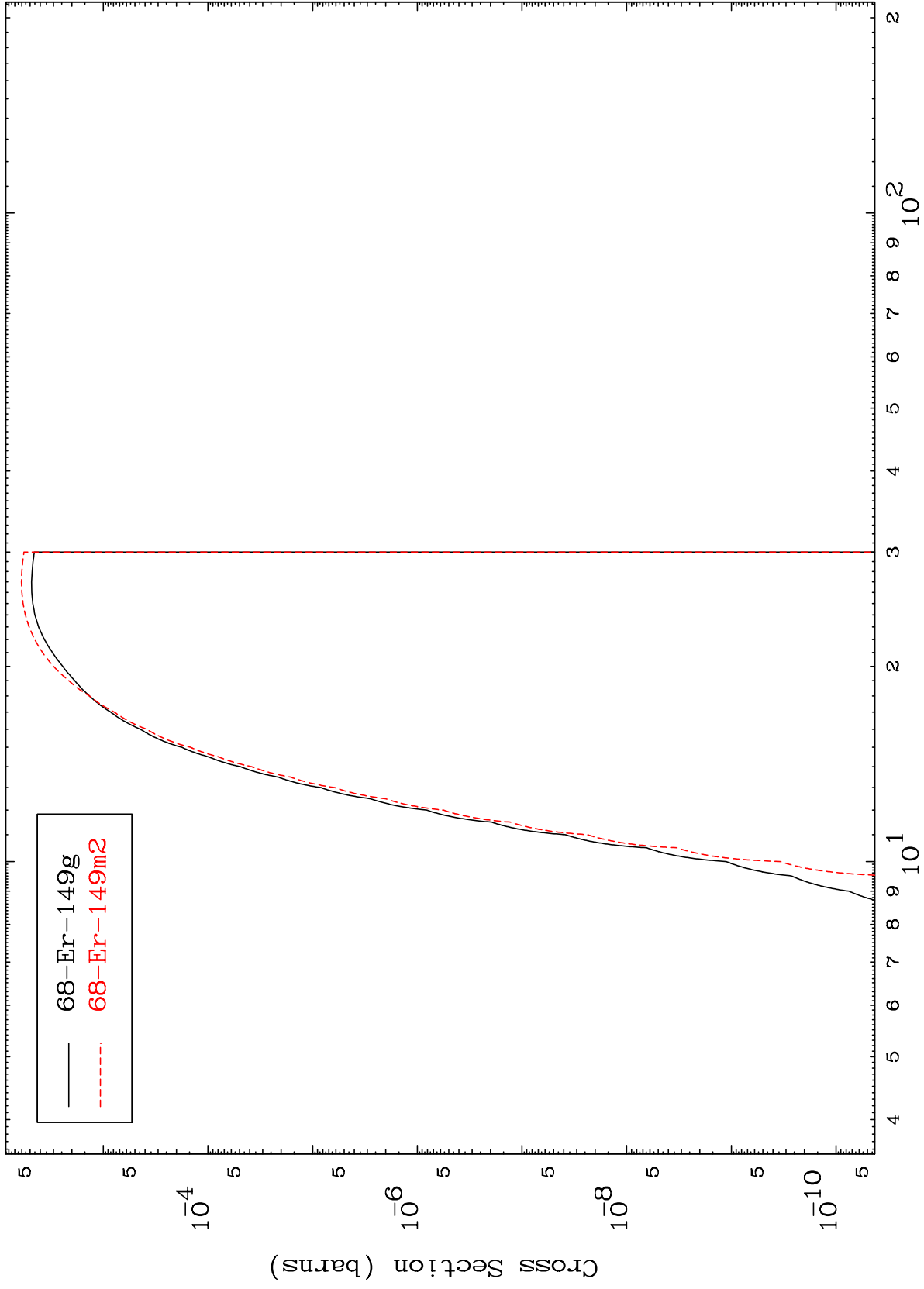


68-Er-151g

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69-Tm-151

(n, t)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

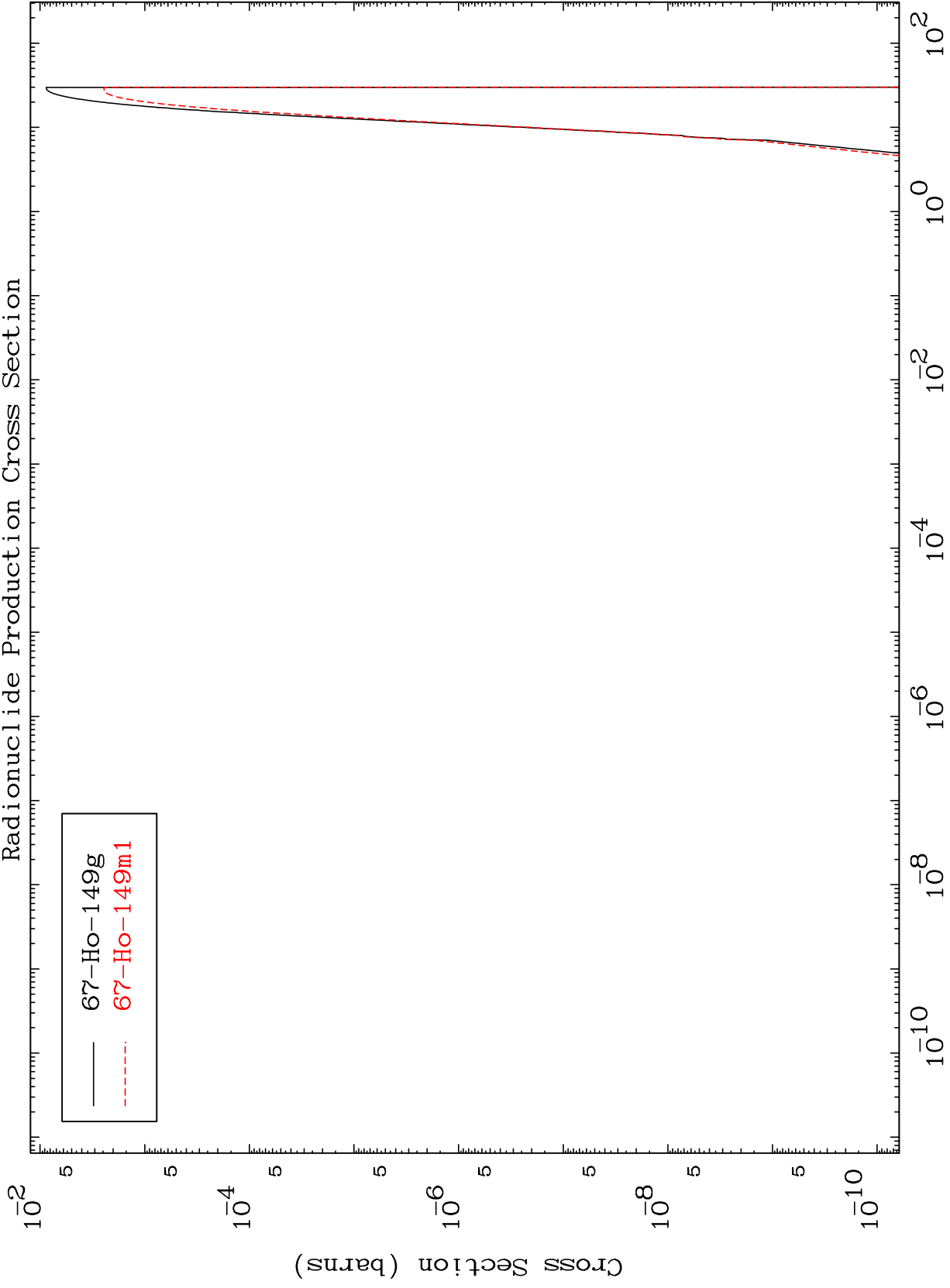
69-Tm-151

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(n,He-3)

69-Tm-151

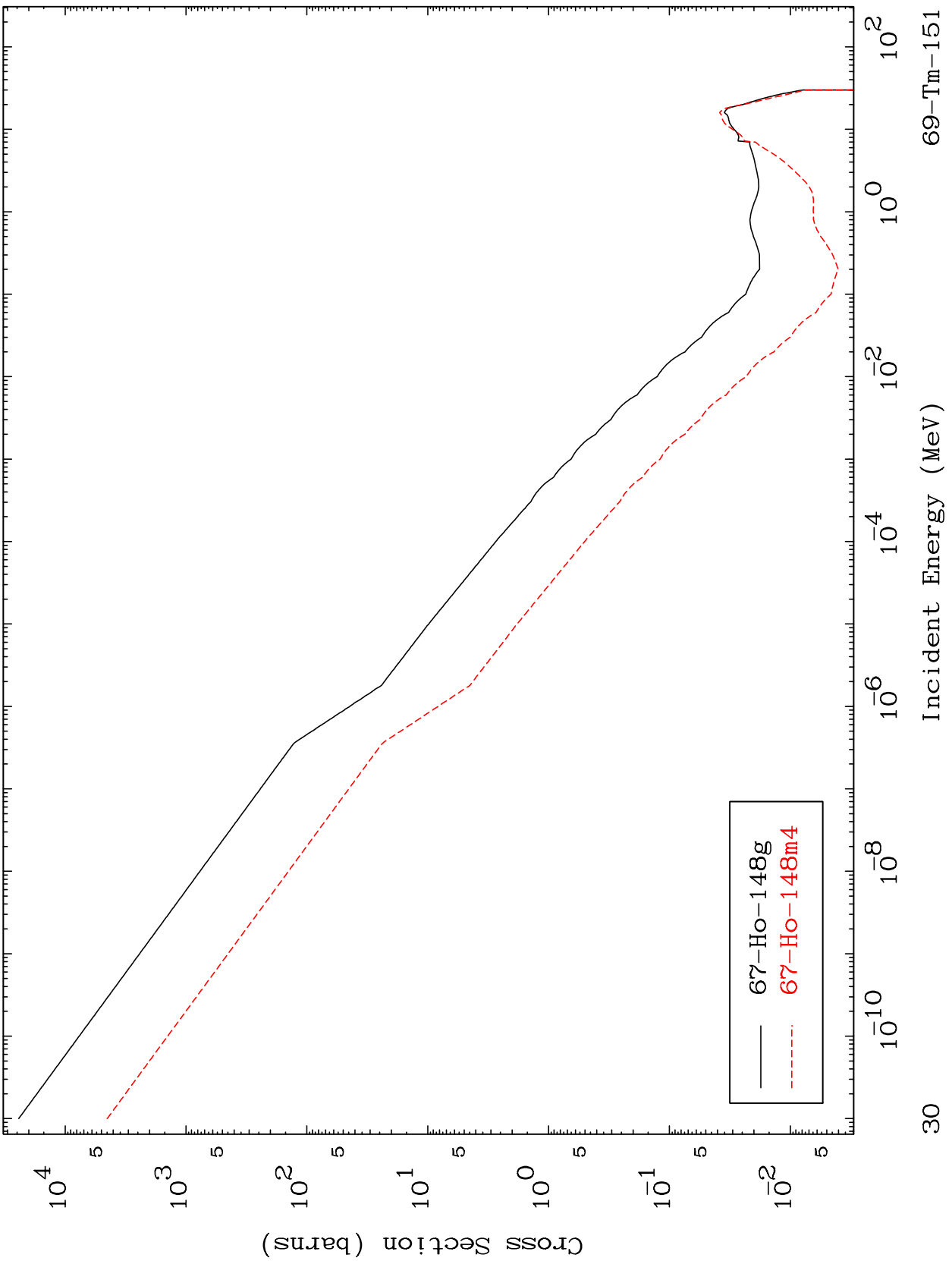
Radionuclide Production Cross Section



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69-Tm-151

Radionuclide Production Cross Section

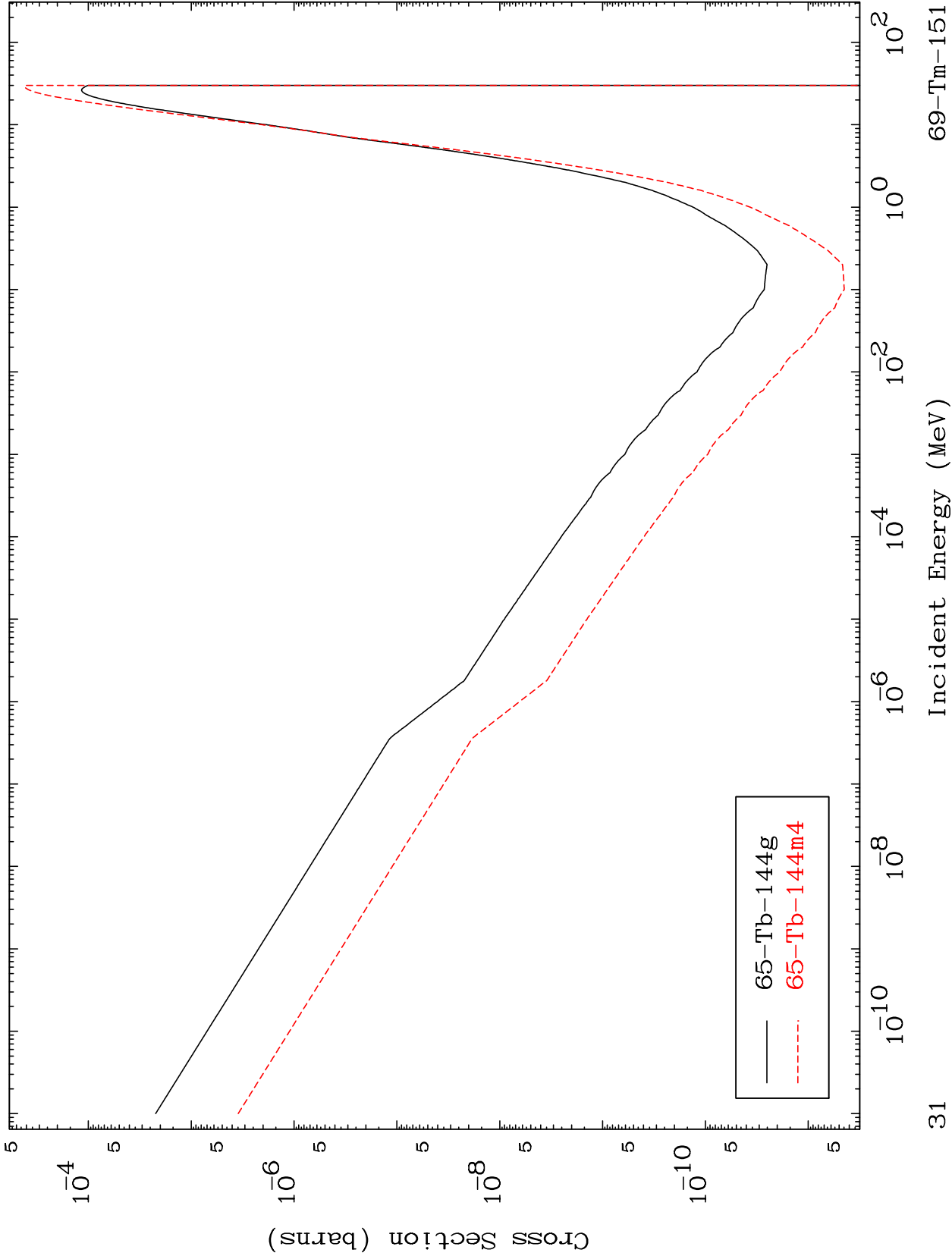


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(n,2α)

69-Tm-151

Radionuclide Production Cross Section

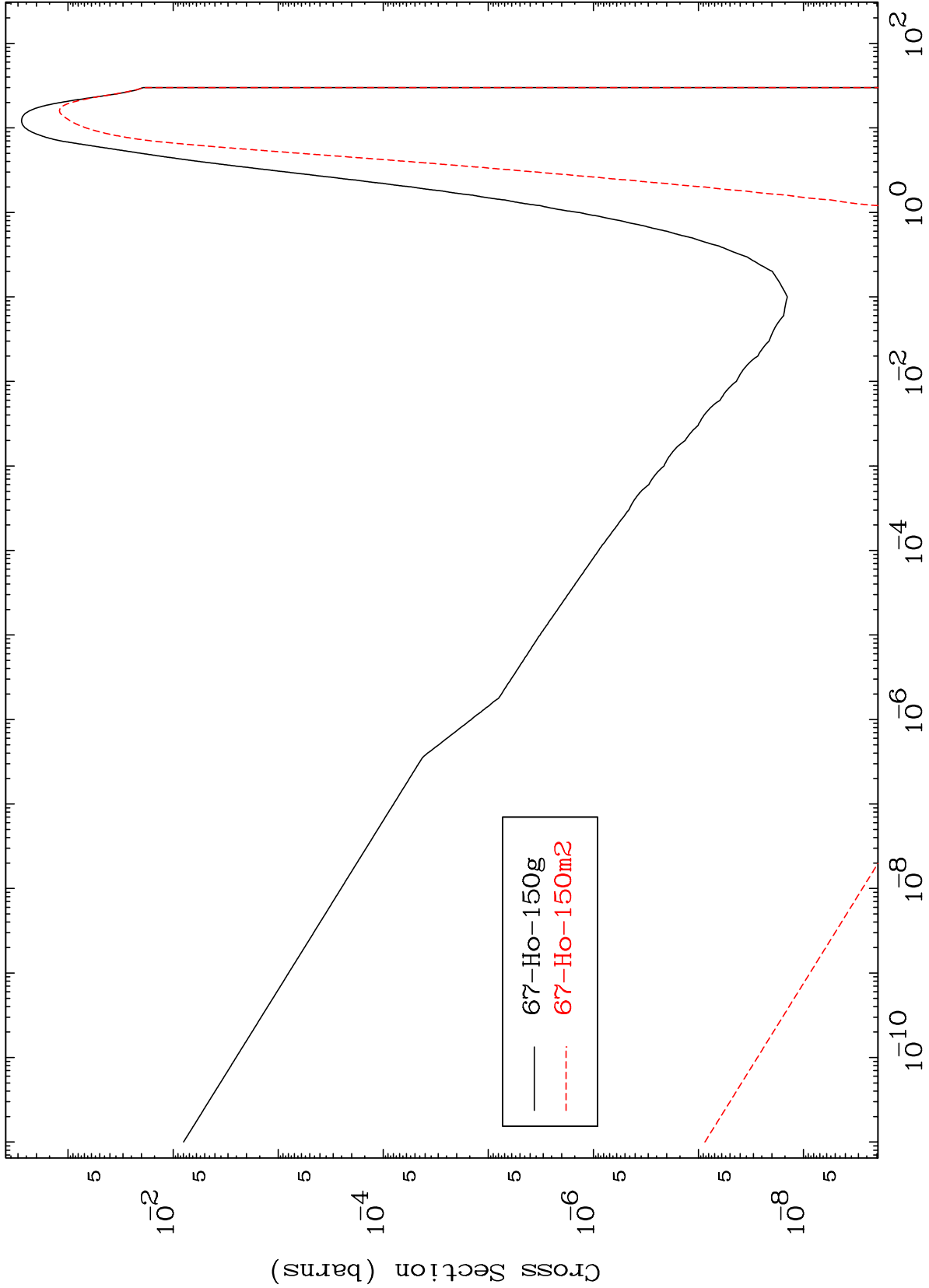


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(n,2p)

69-Tm-151

Radionuclide Production Cross Section



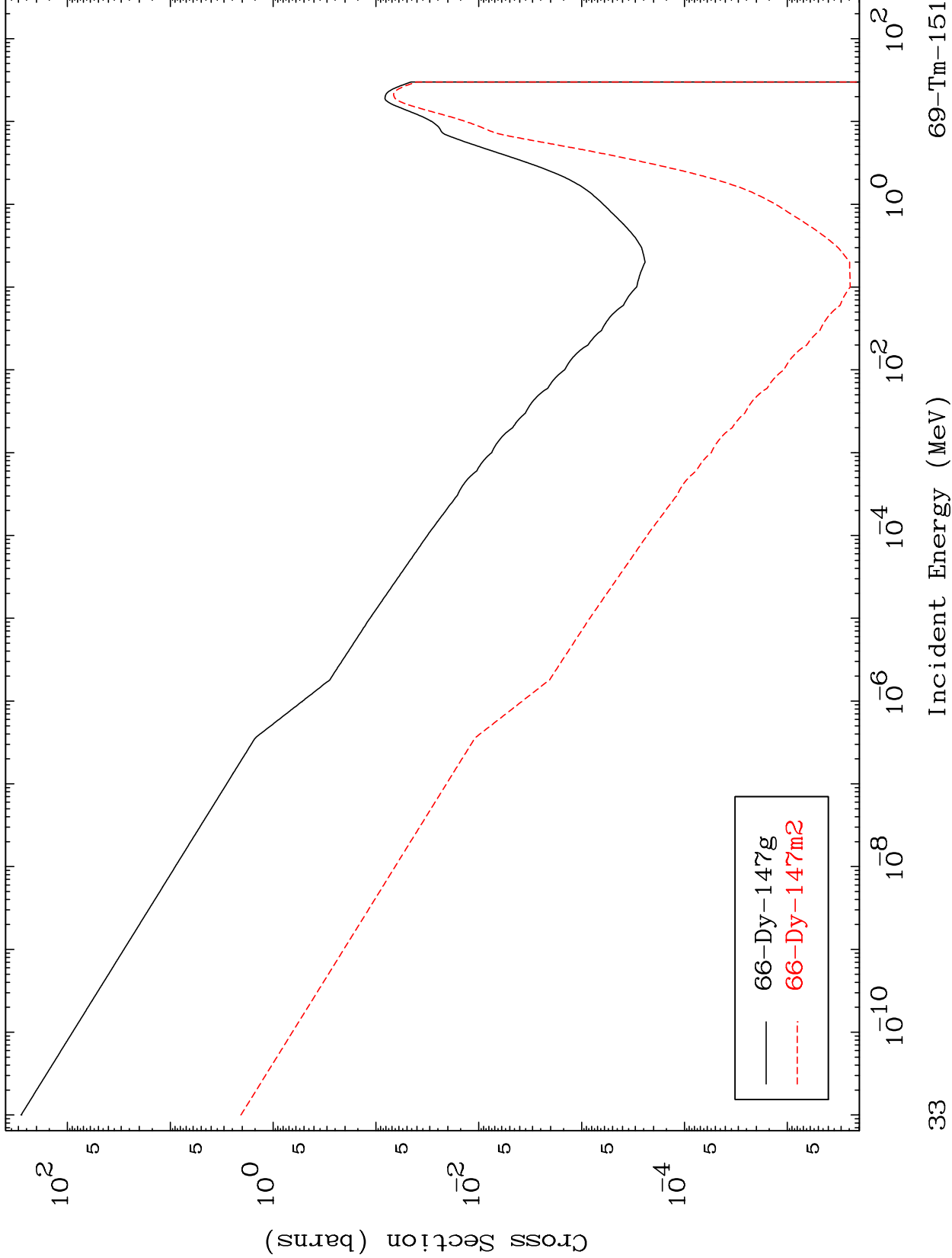
67-Ho-150g
67-Ho-150m2

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(n,p) α

69-Tm-151

Radionuclide Production Cross Section

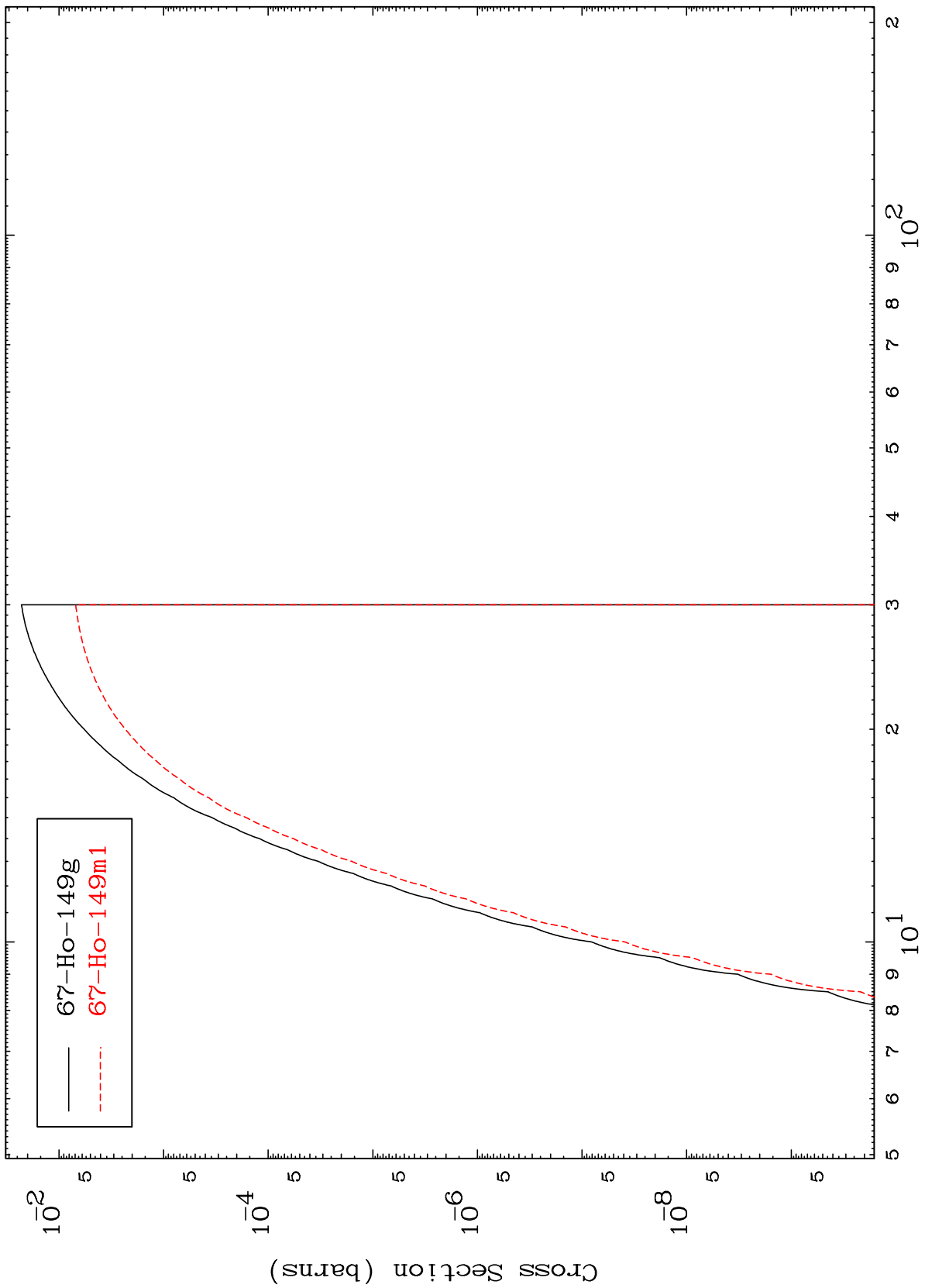


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(n,p) d

69-Tm-151

Radionuclide Production Cross Section



34

Incident Energy (MeV)

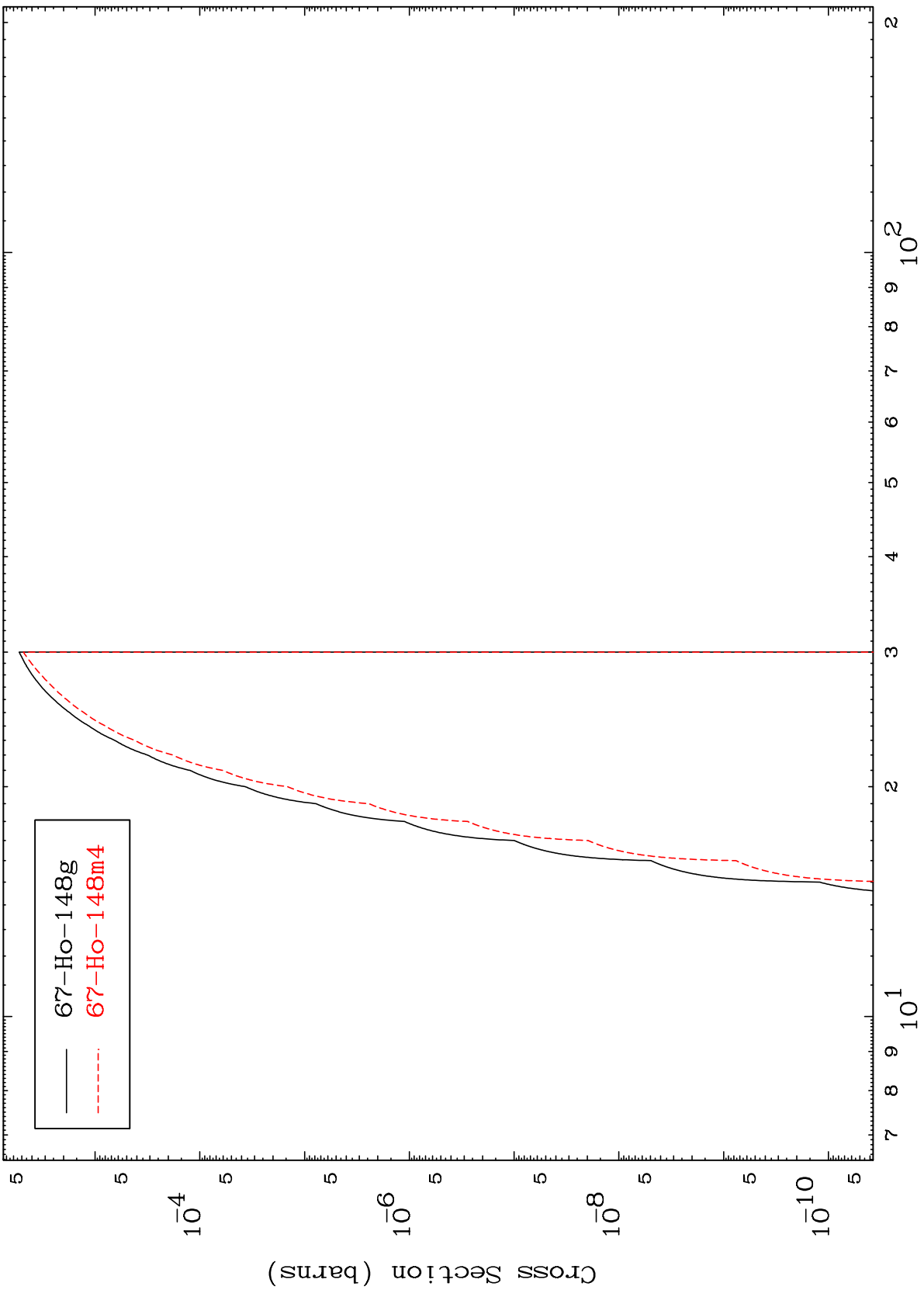
69-Tm-151

MAT 6872

(n,p) t

69-Tm-151

Radionuclide Production Cross Section



35

Incident Energy (MeV)

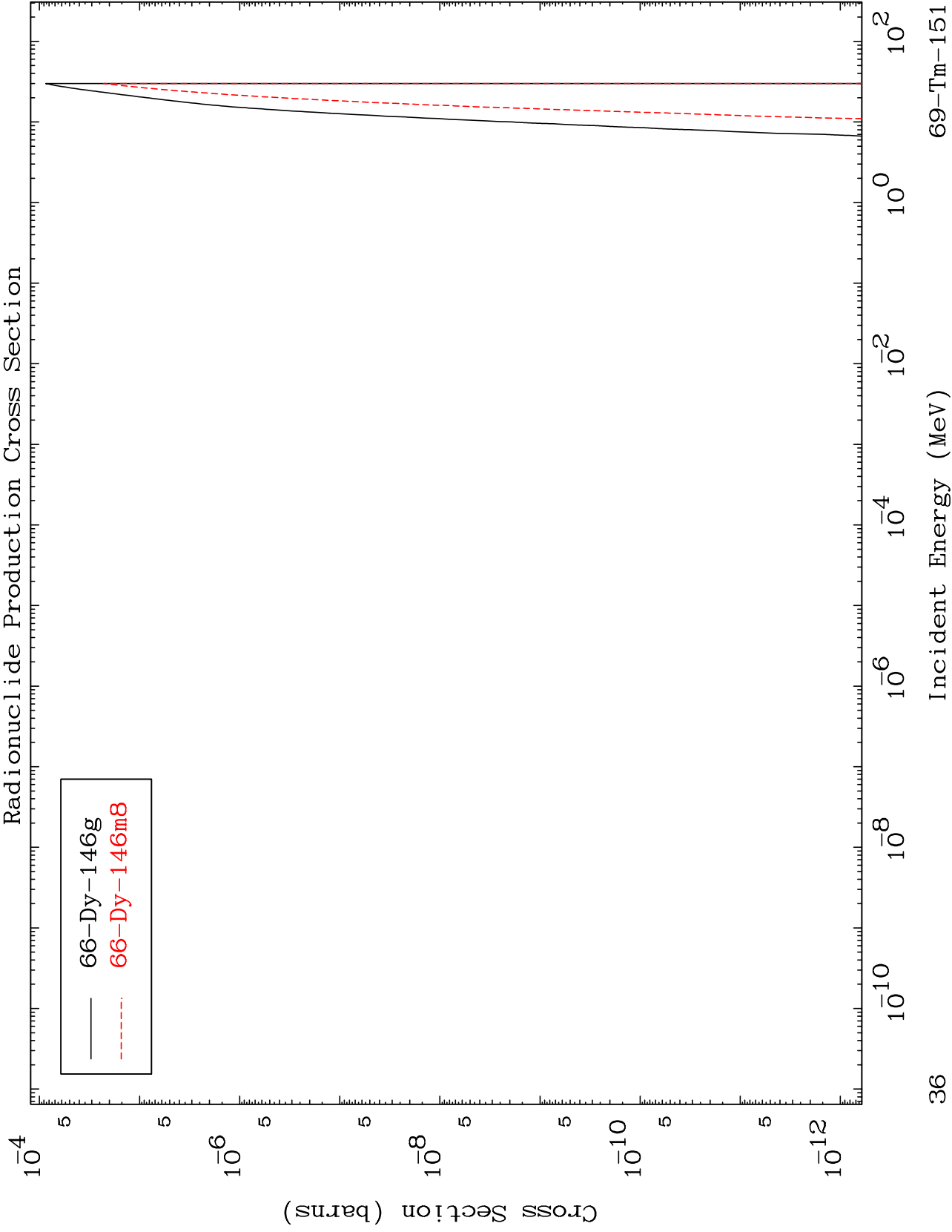
69-Tm-151

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(n,d) α

69-Tm-151

Radionuclide Production Cross Section



36

Incident Energy (MeV)

69-Tm-151