

Program EVALPLOT  
(Version 2021-1)

by

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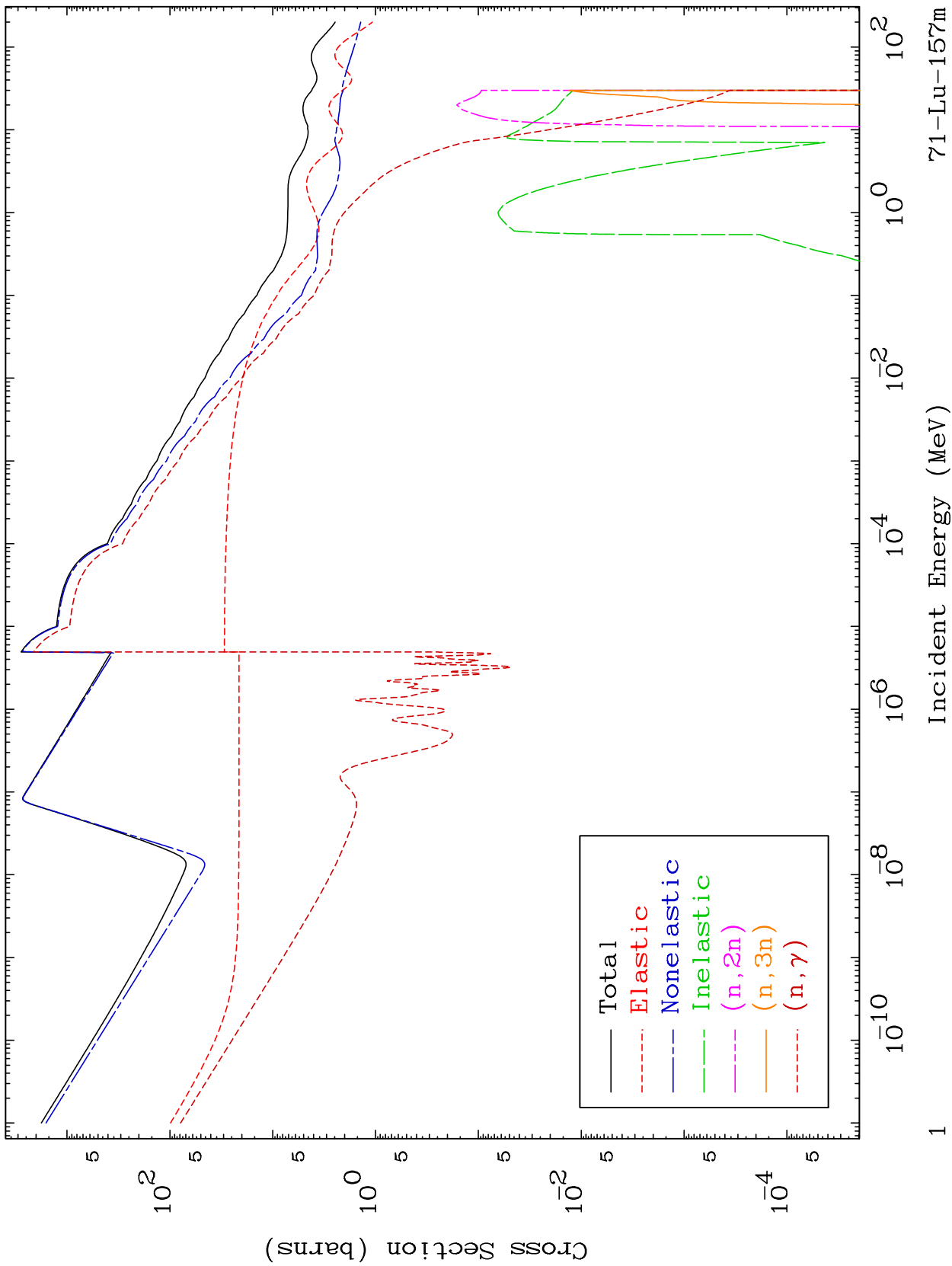
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7072

Neutron Major  
293 Kelvin Cross Sections

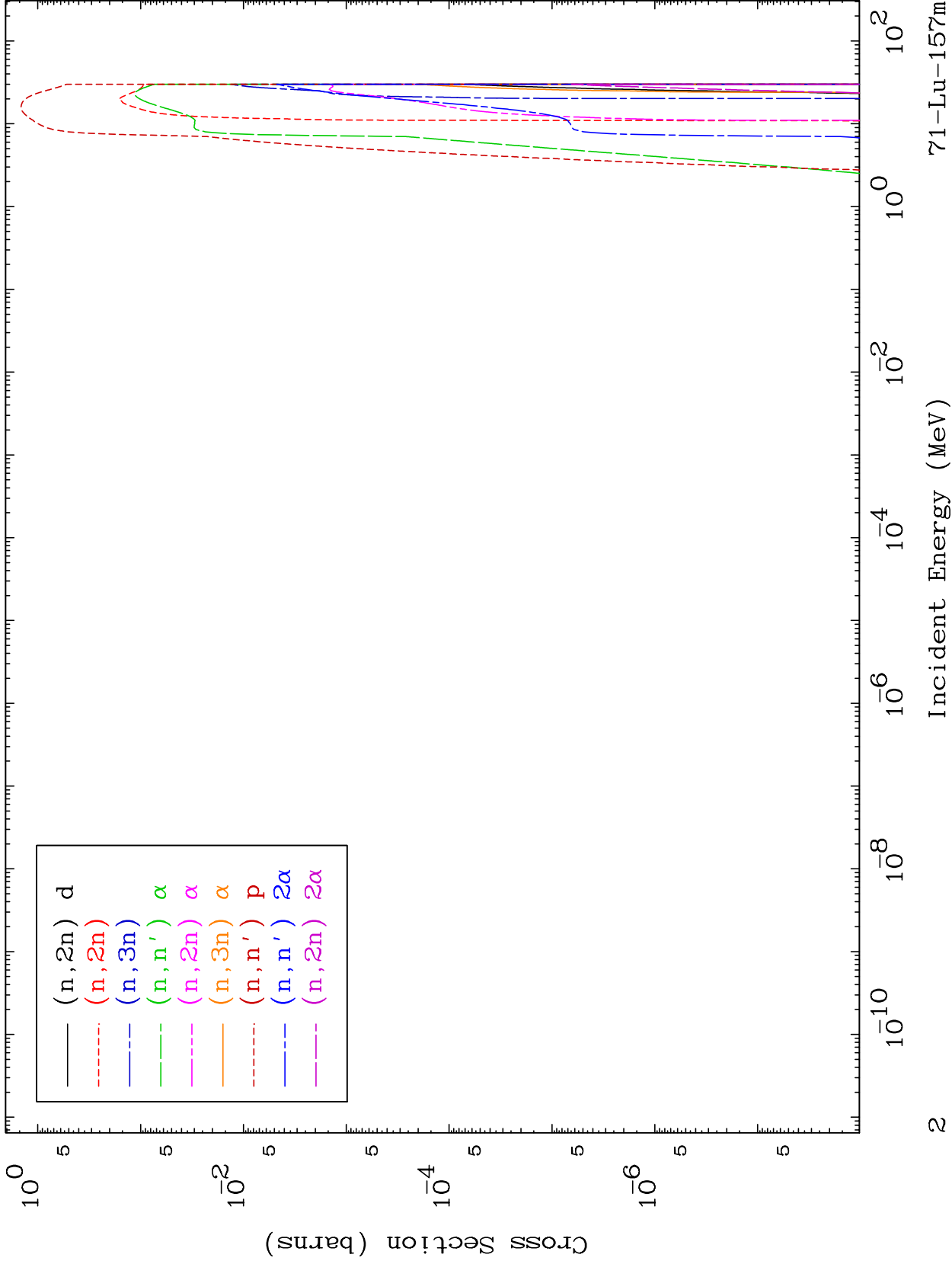
71-Lu-157m



MAT 7072

Neutron Absorption  
293 Kelvin Cross Sections

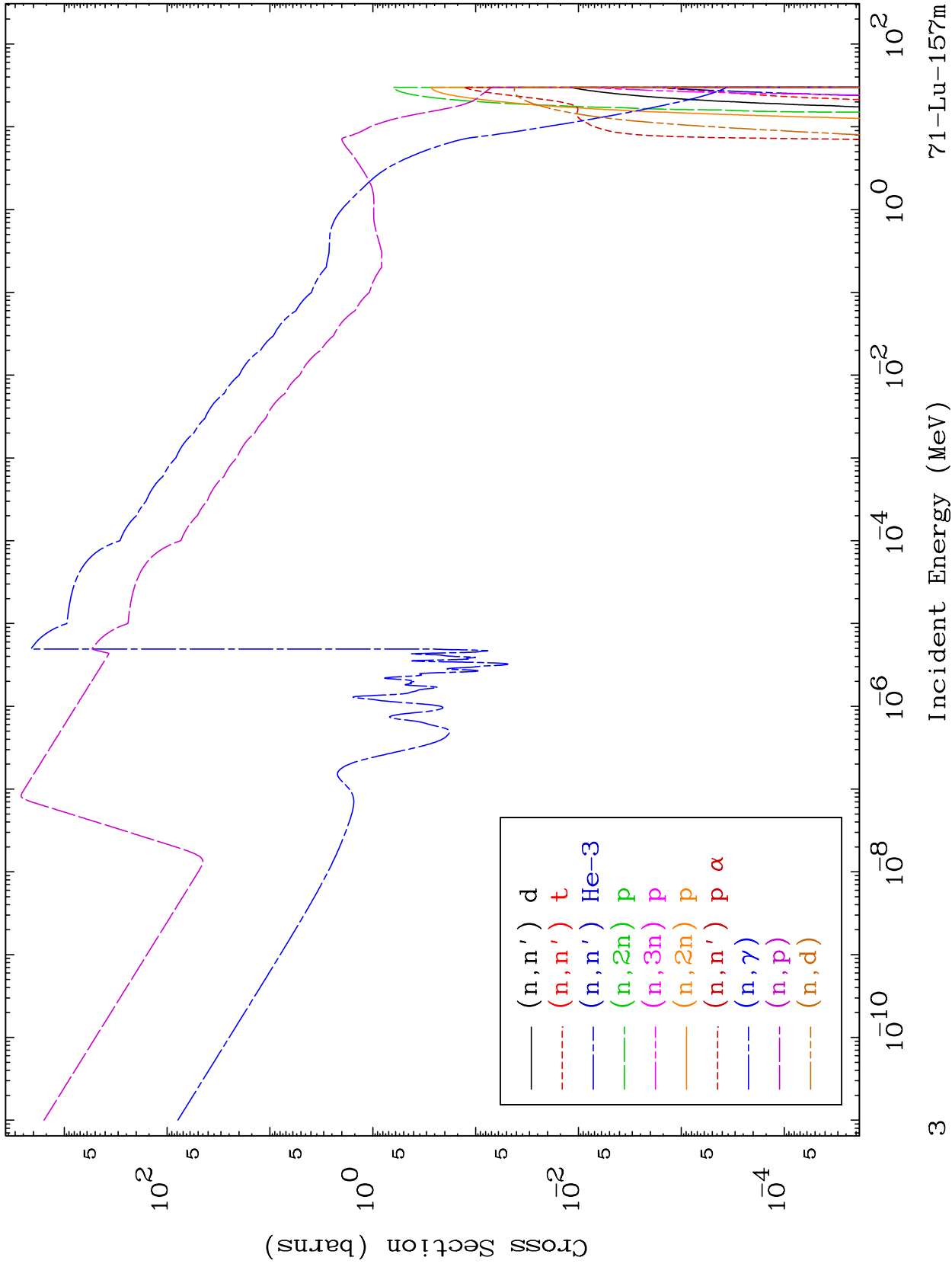
71-Lu-157m



MAT 7072

Neutron Absorption  
293 Kelvin Cross Sections

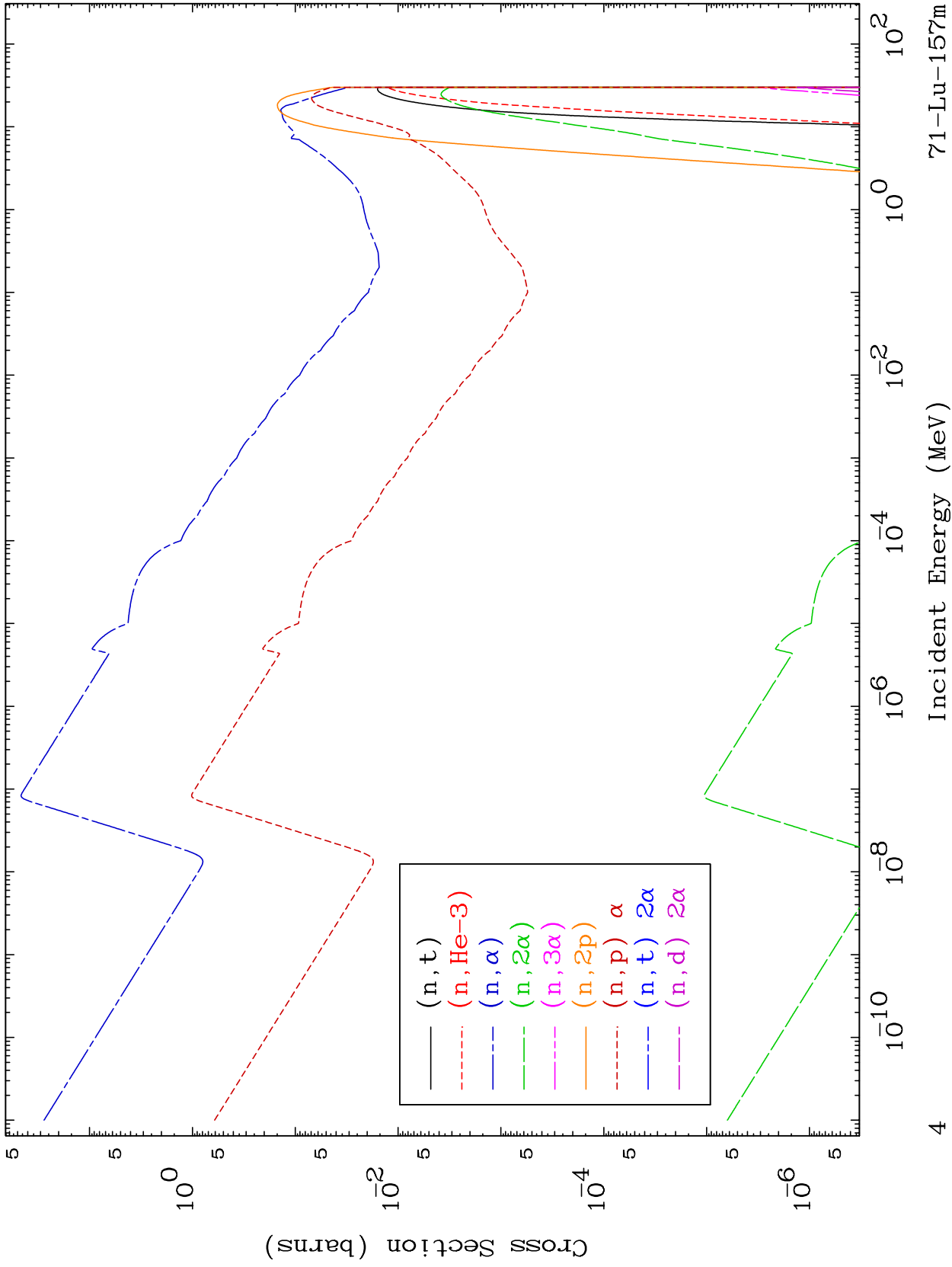
71-Lu-157m

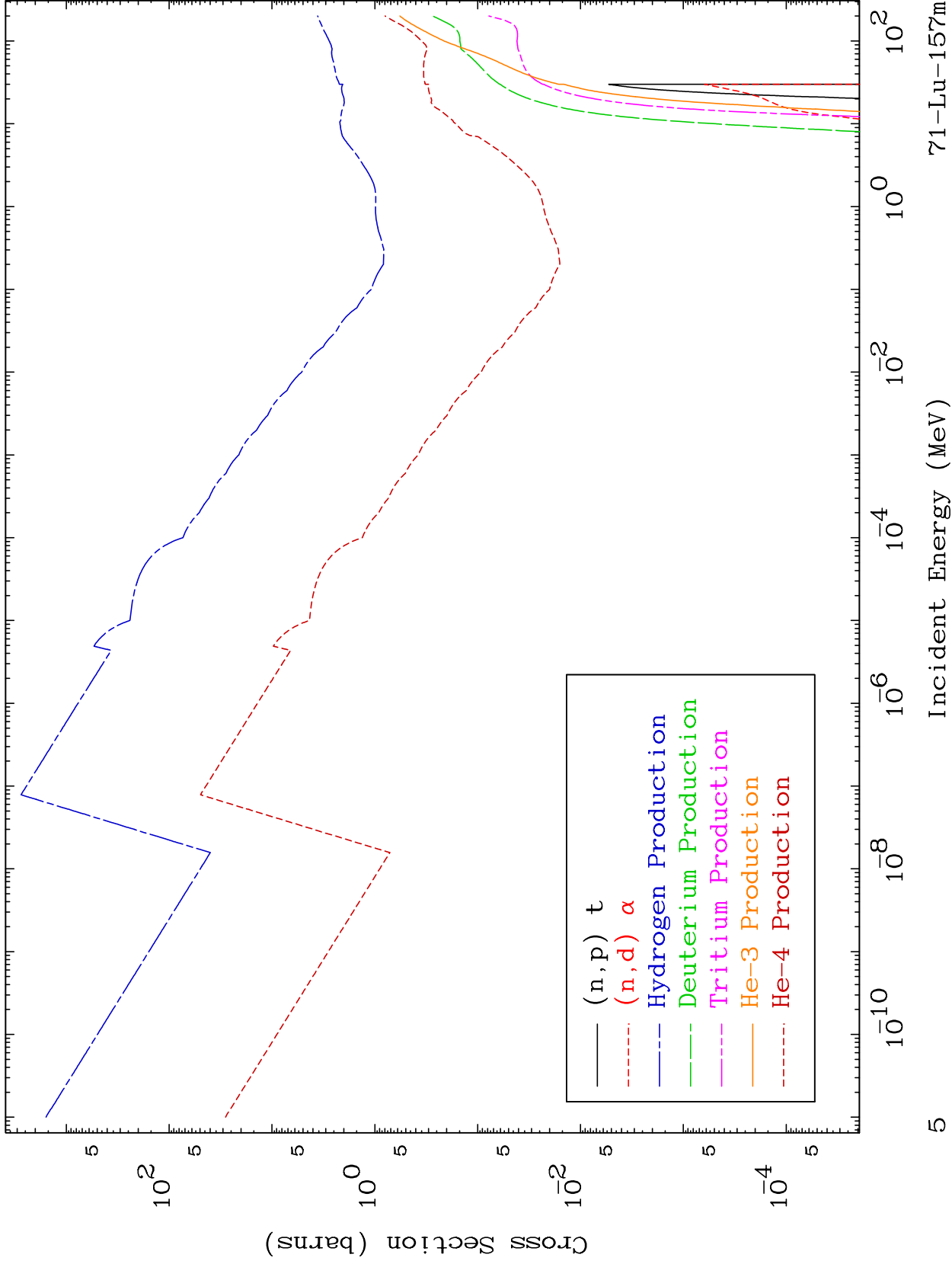


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Neutron Absorption  
293 Kelvin Cross Sections

71-Lu-157m

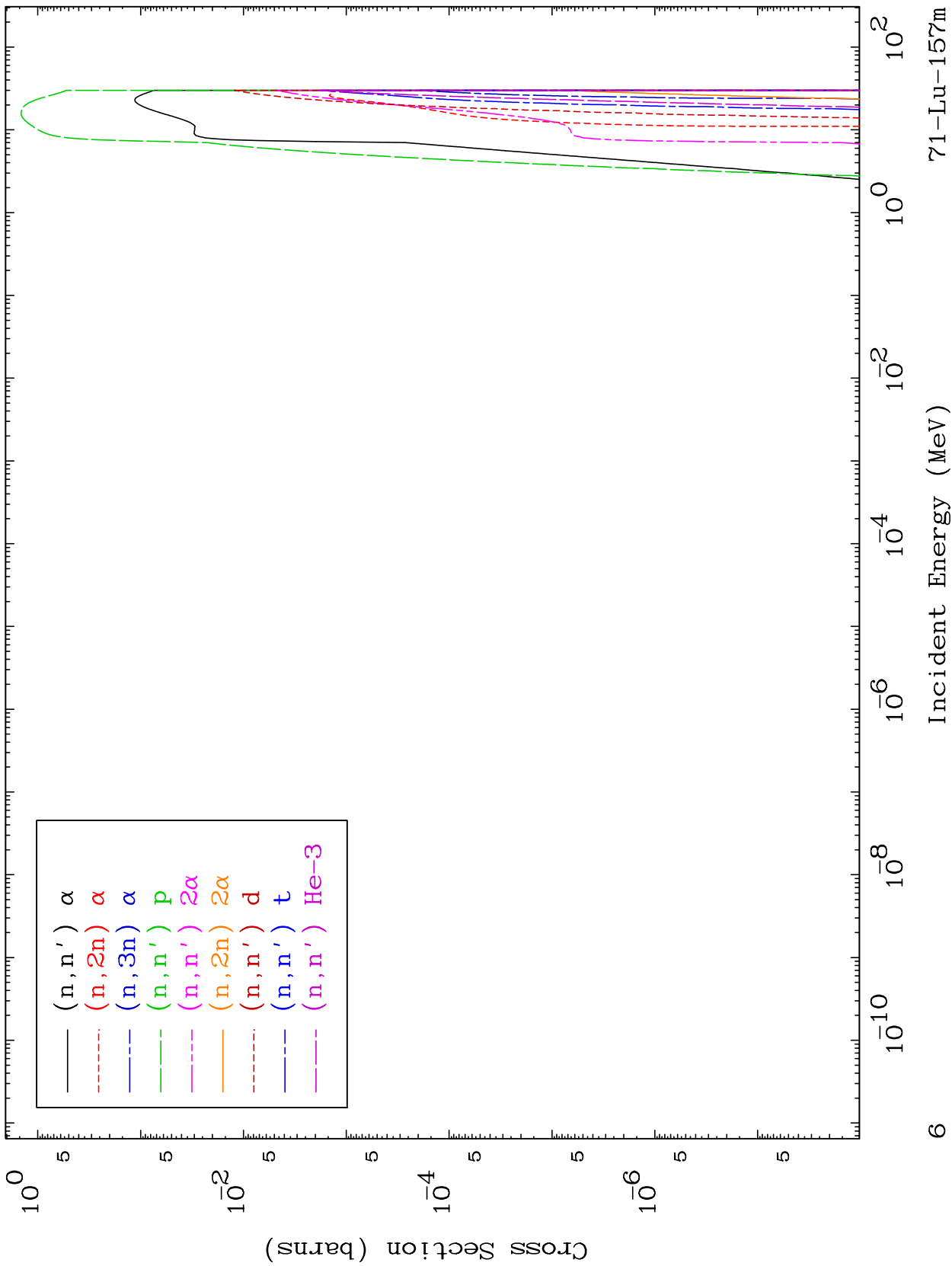




MAT 7072

Charged Particle  
293 Kelvin Cross Sections

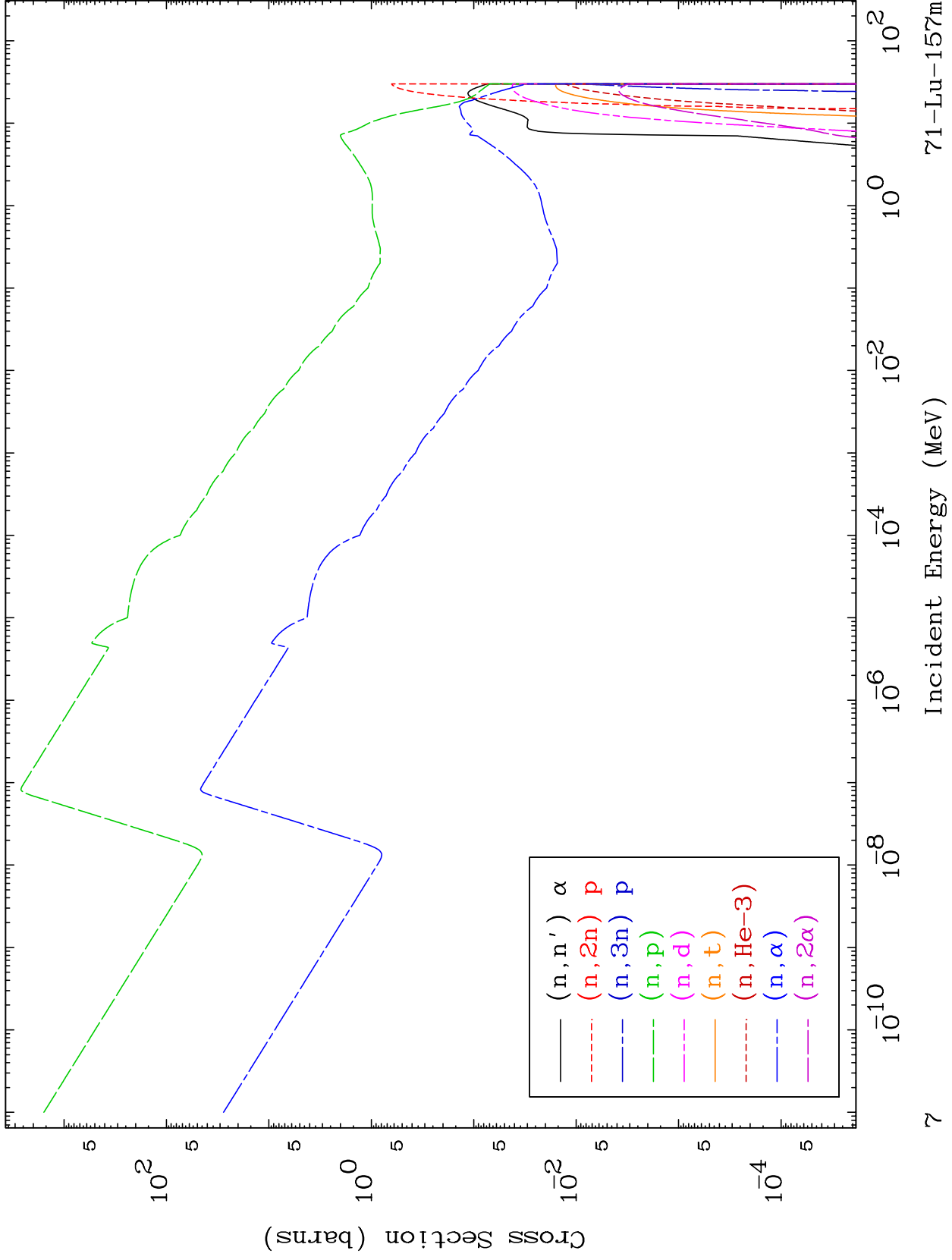
71-Lu-157m



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Charged Particle  
293 Kelvin Cross Sections

71-Lu-157m

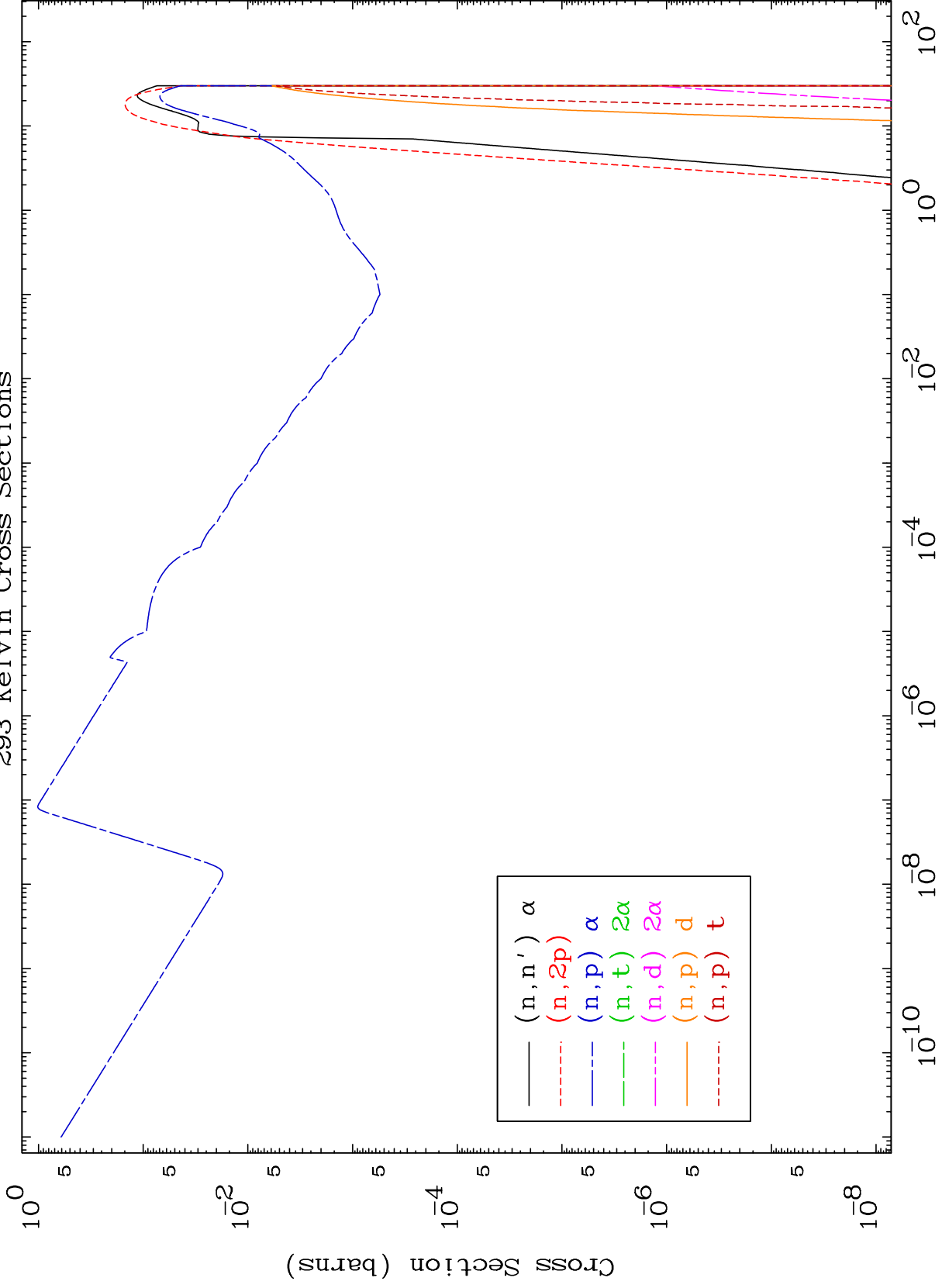




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Charged Particle  
293 Kelvin Cross Sections

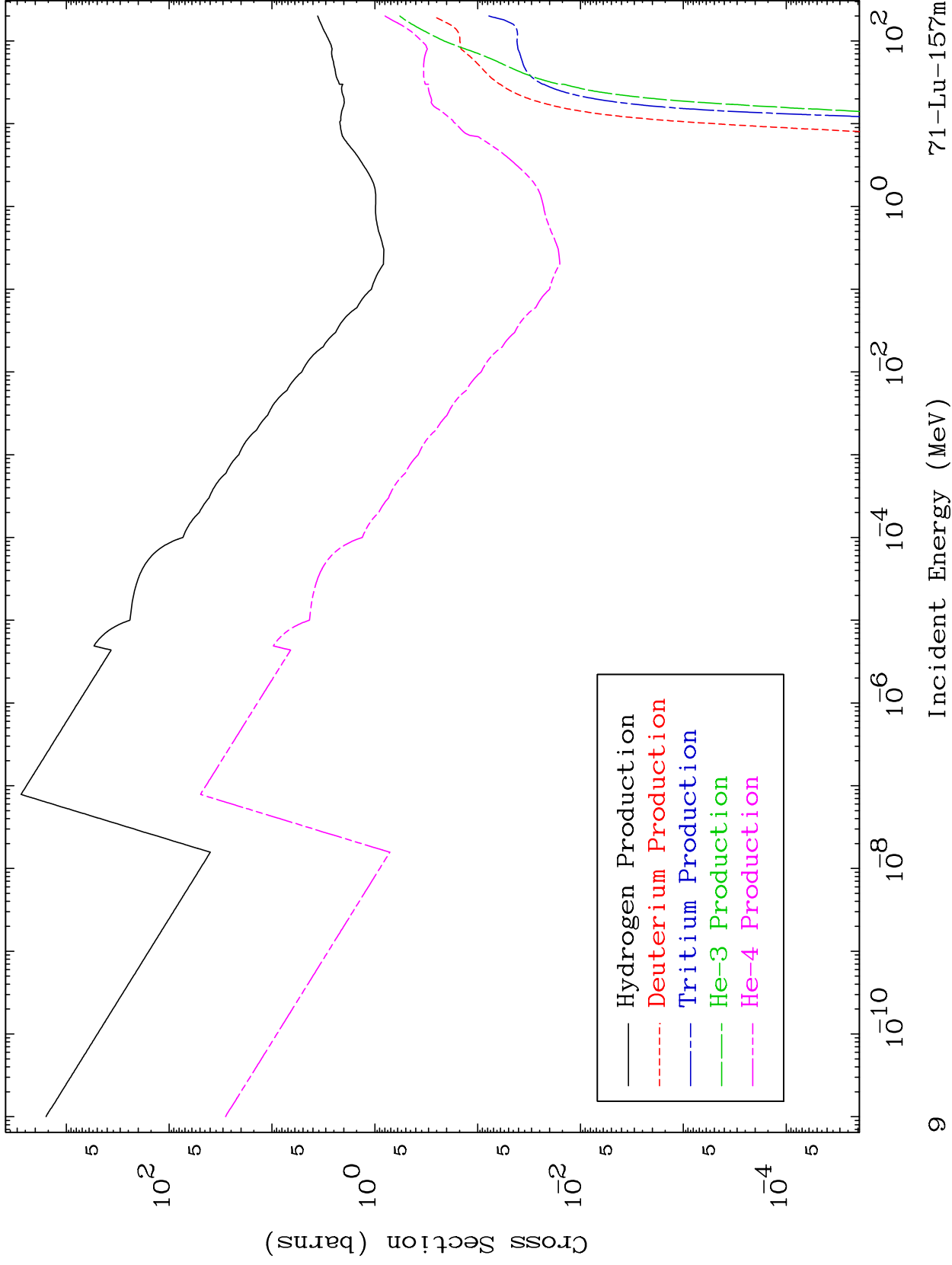
71-Lu-157m



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Particle Production  
293 Kelvin Cross Sections

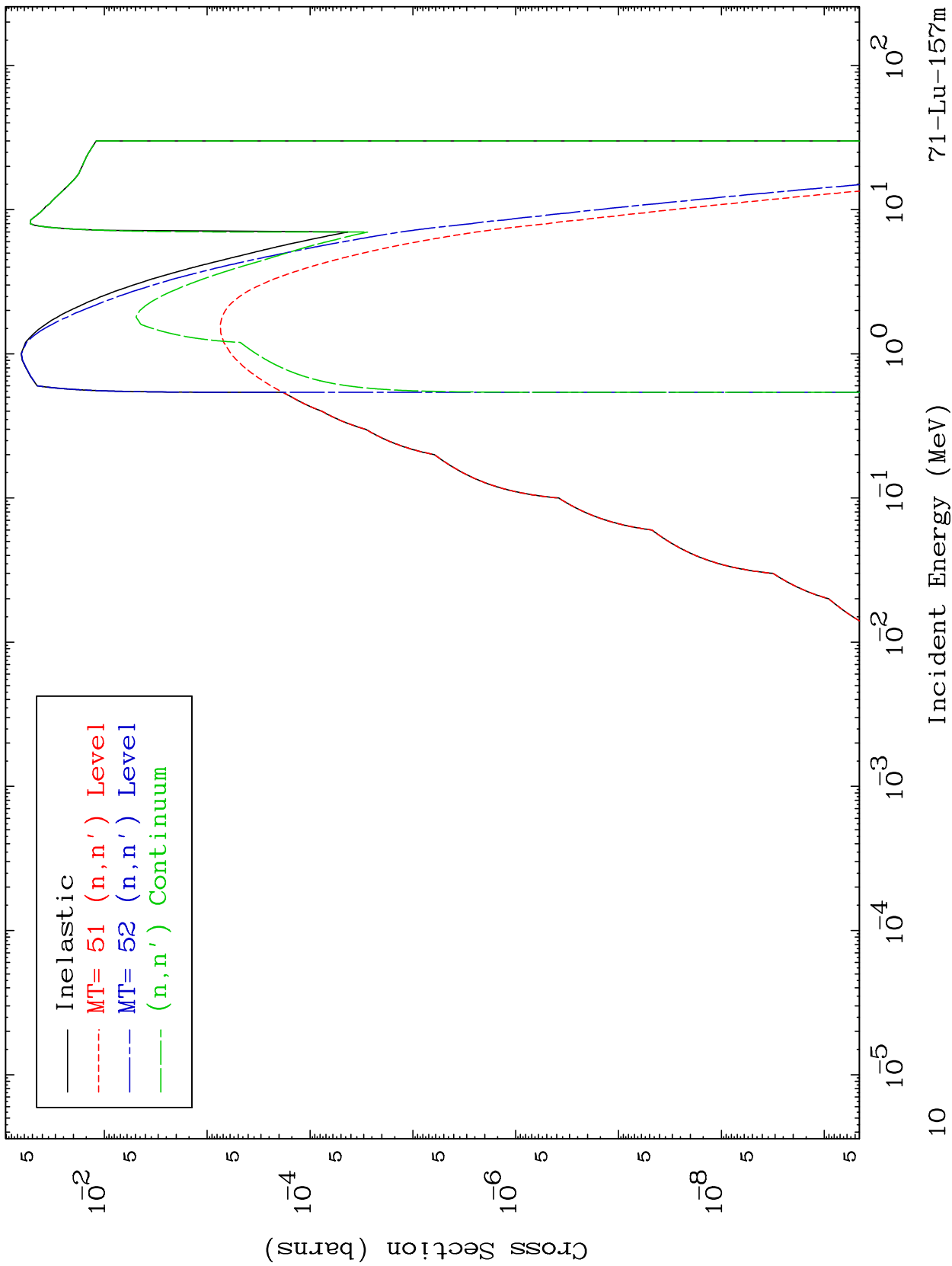
71-Lu-157m



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(n,n') Levels  
293 Kelvin Cross Sections

71-Lu-157m



71-Lu-157m

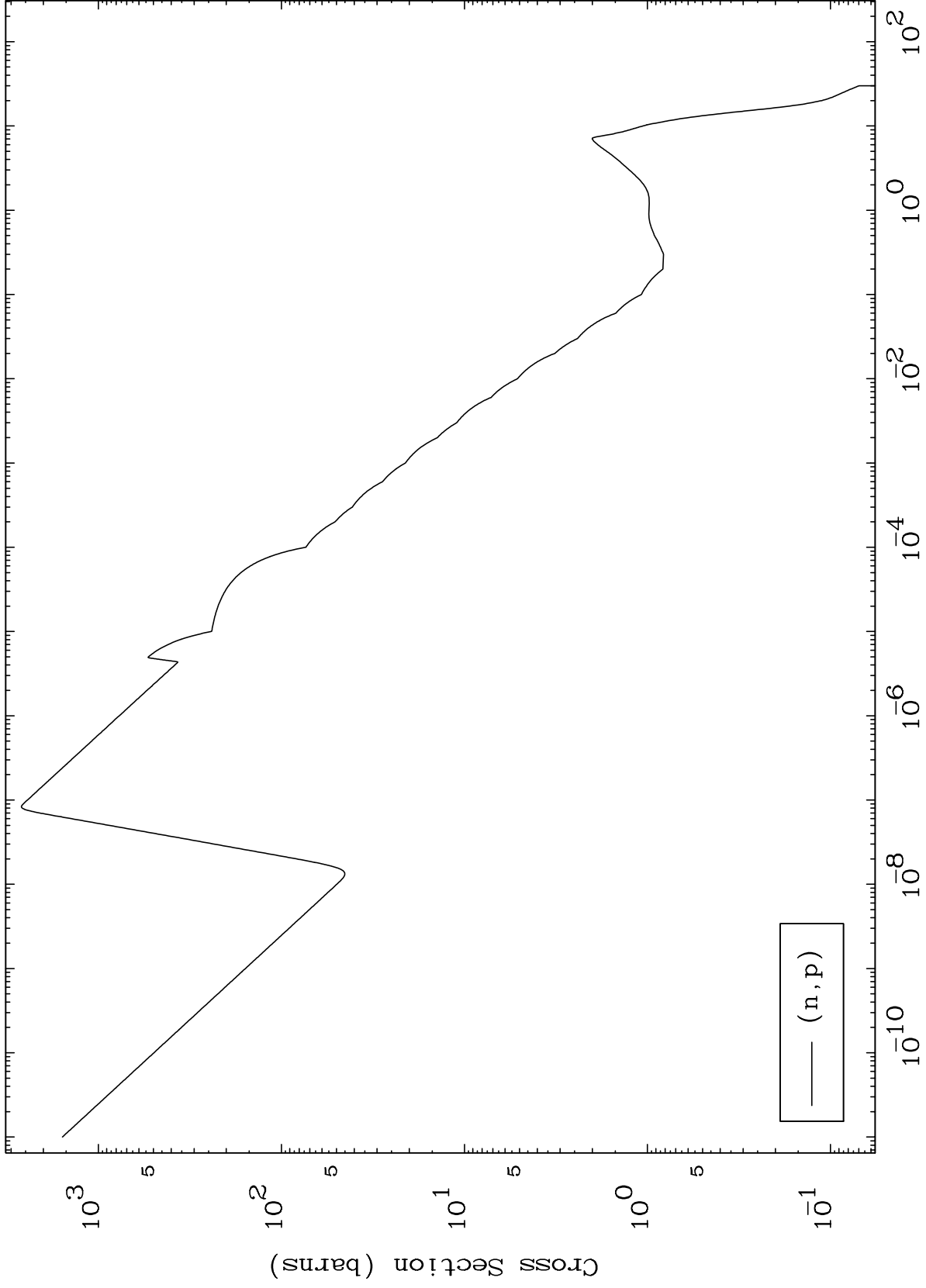
Incident Energy (MeV)

10

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(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-157m



(n,p)

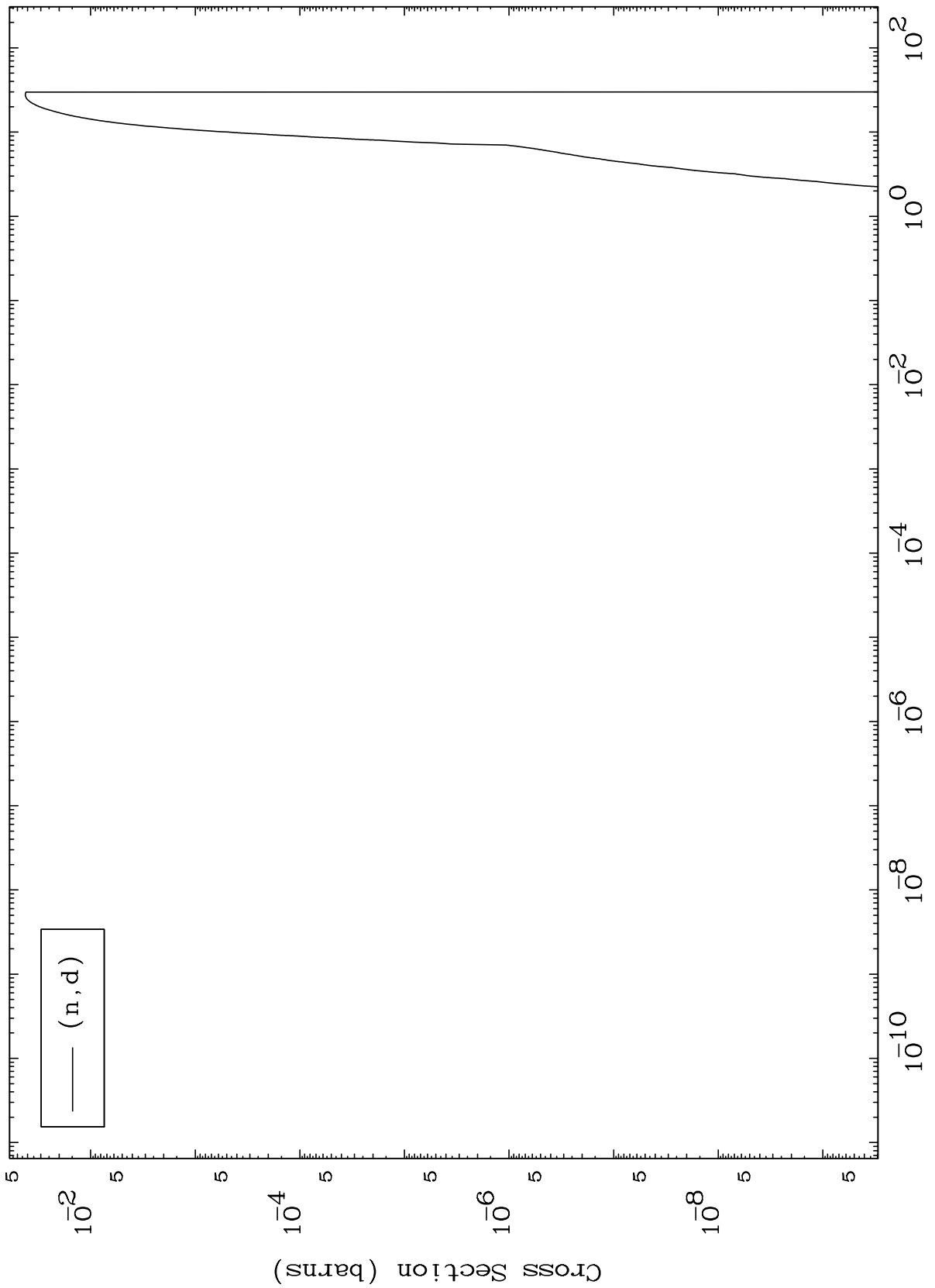
71-Lu-157m

Incident Energy (MeV)

MAT 7072

(n,d) Levels  
293 Kelvin Cross Sections

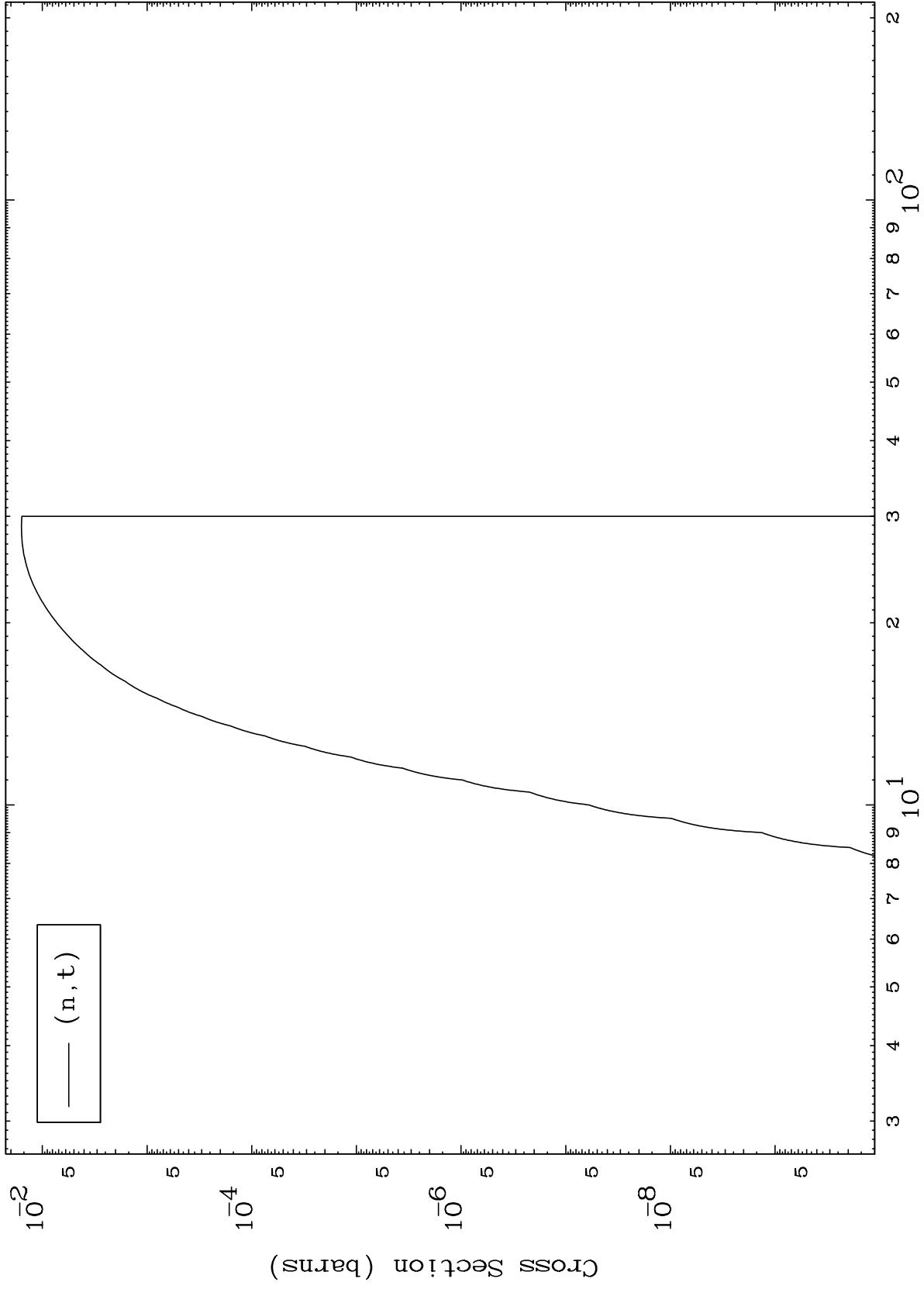
<sup>71</sup>Lu-157m



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(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-157m



13

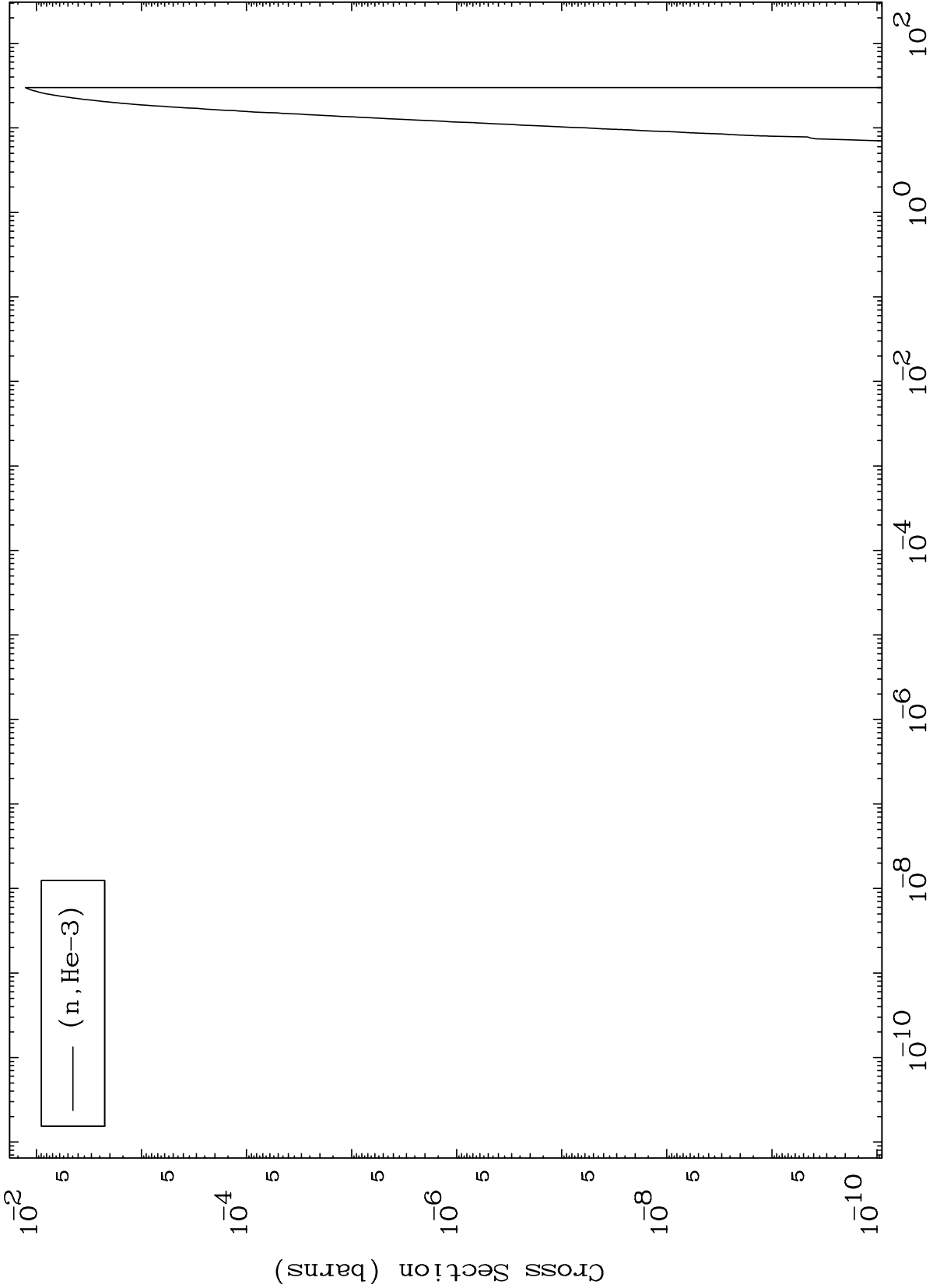
Incident Energy (MeV)

71-Lu-157m

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(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-157m



(n, He-3)

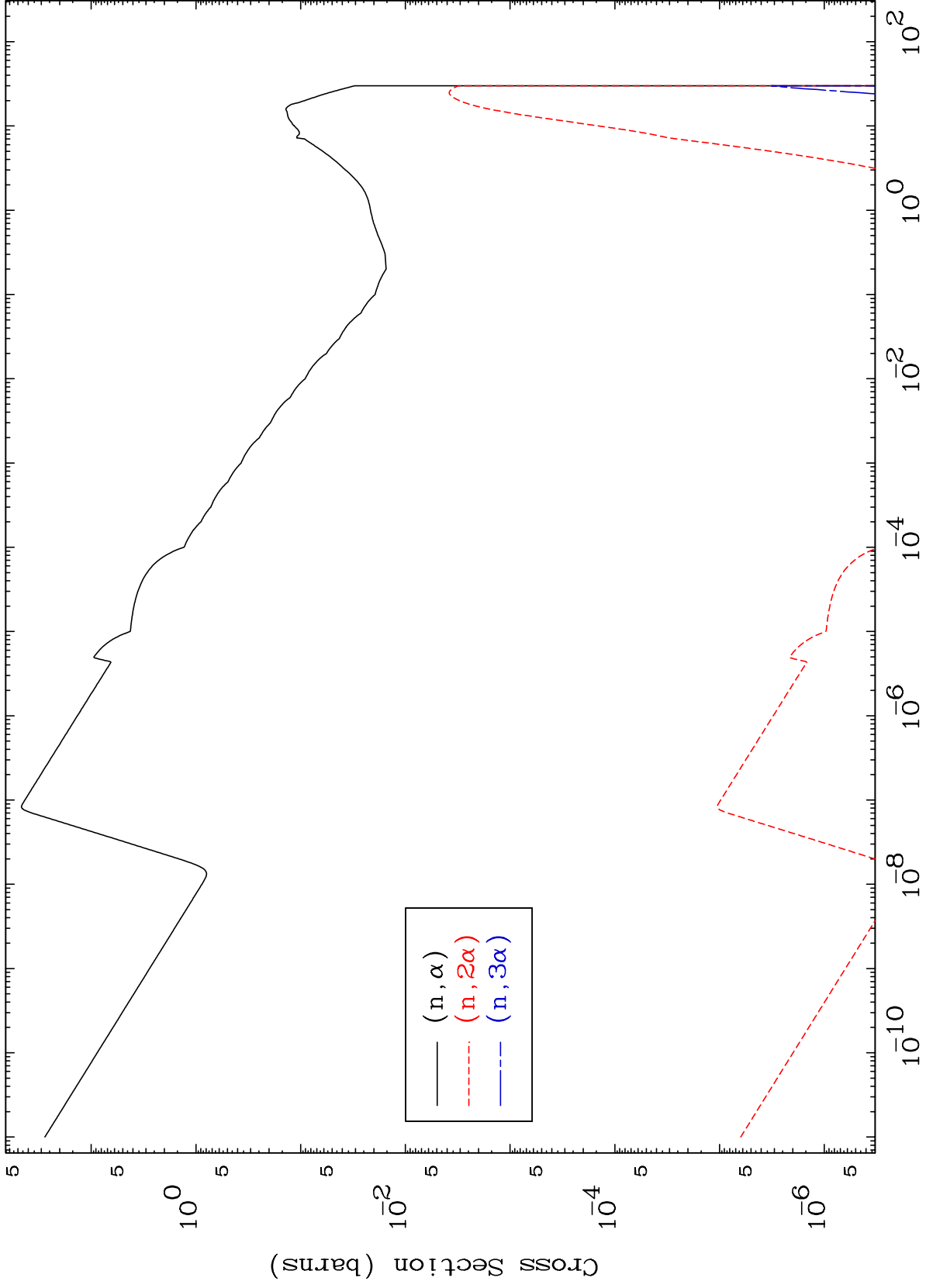
Incident Energy (MeV)

71-Lu-157m

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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

<sup>71</sup>Lu-157m



15

Incident Energy (MeV)

<sup>71</sup>Lu-157m

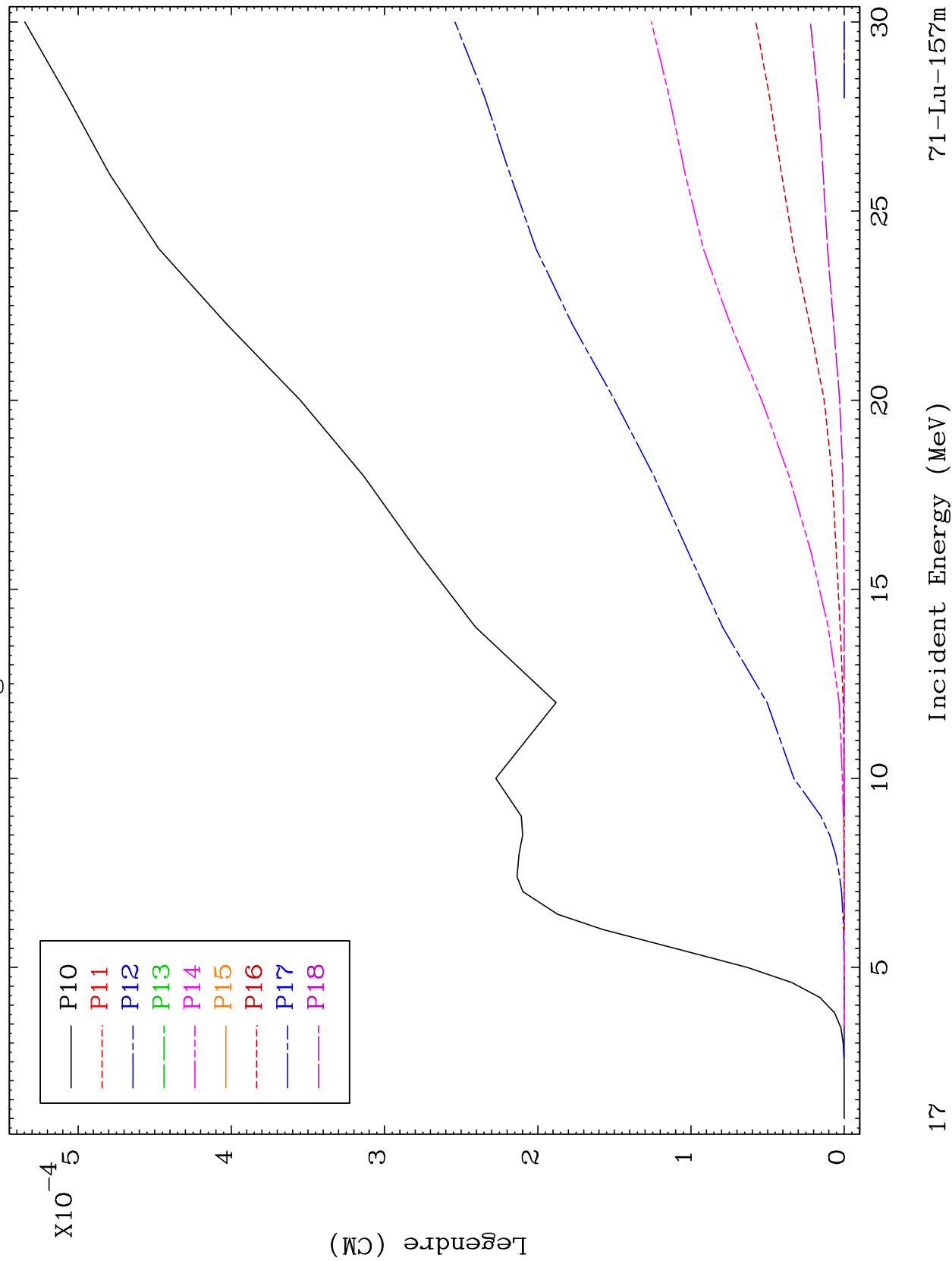




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Elastic Legendre Coefficients

<sup>71</sup>Lu-157m



17

Incident Energy (MeV)

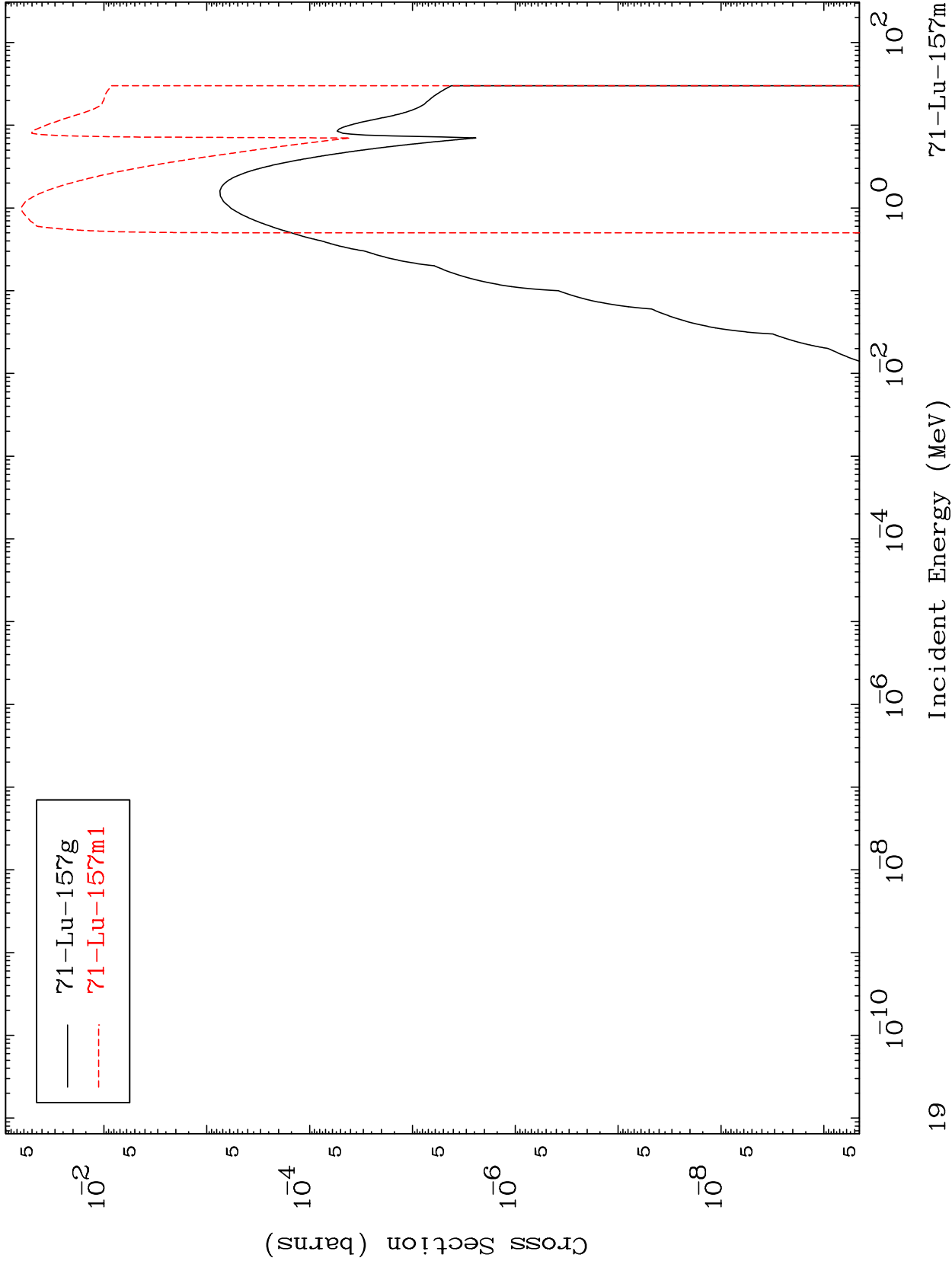
<sup>71</sup>Lu-157m



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Inelastic  
Radionuclide Production Cross Section

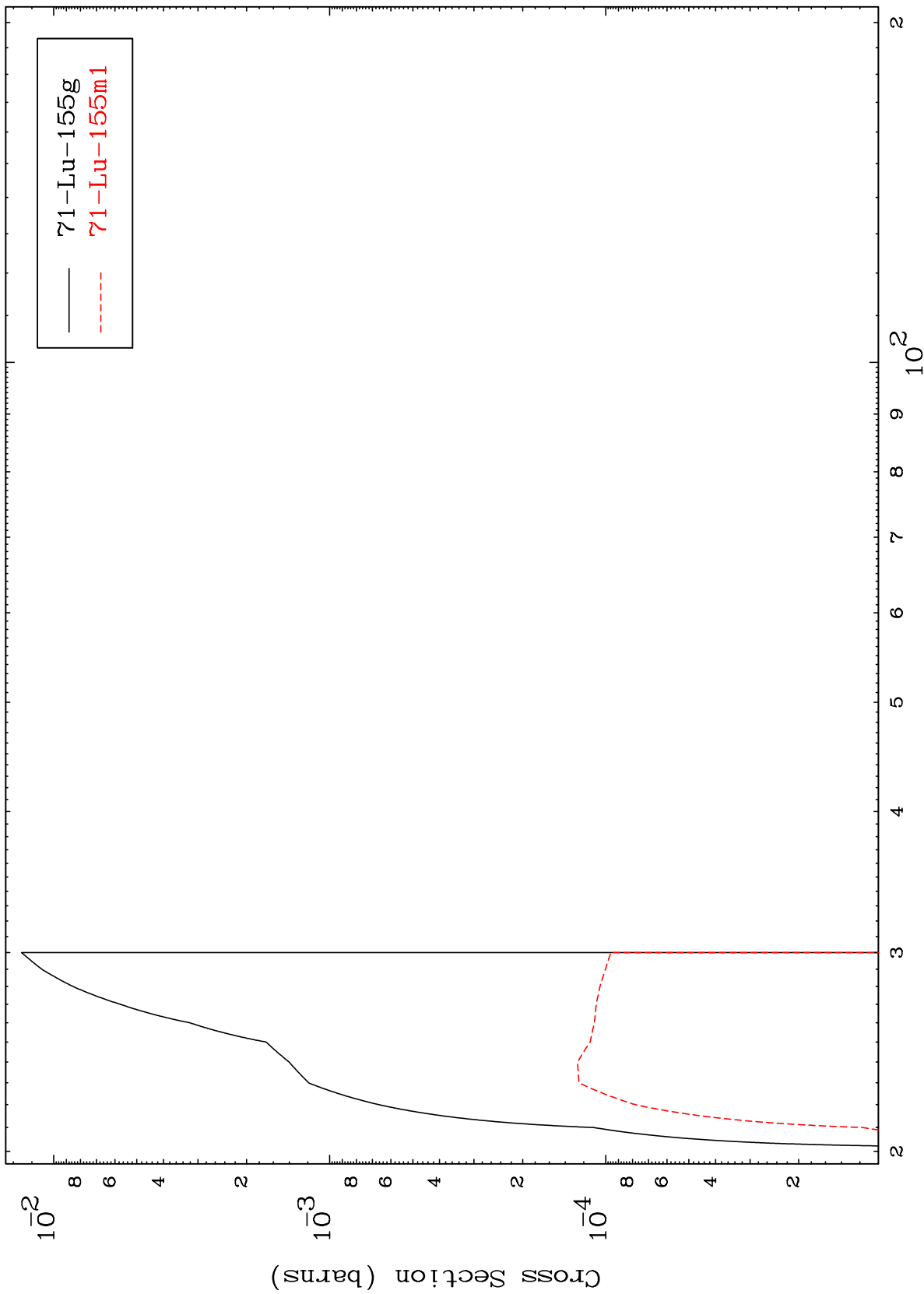
<sup>71</sup>Lu-157m



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<sup>71</sup>Lu-157m

(n,3n)  
Radionuclide Production Cross Section



<sup>71</sup>Lu-157m

Incident Energy (MeV)

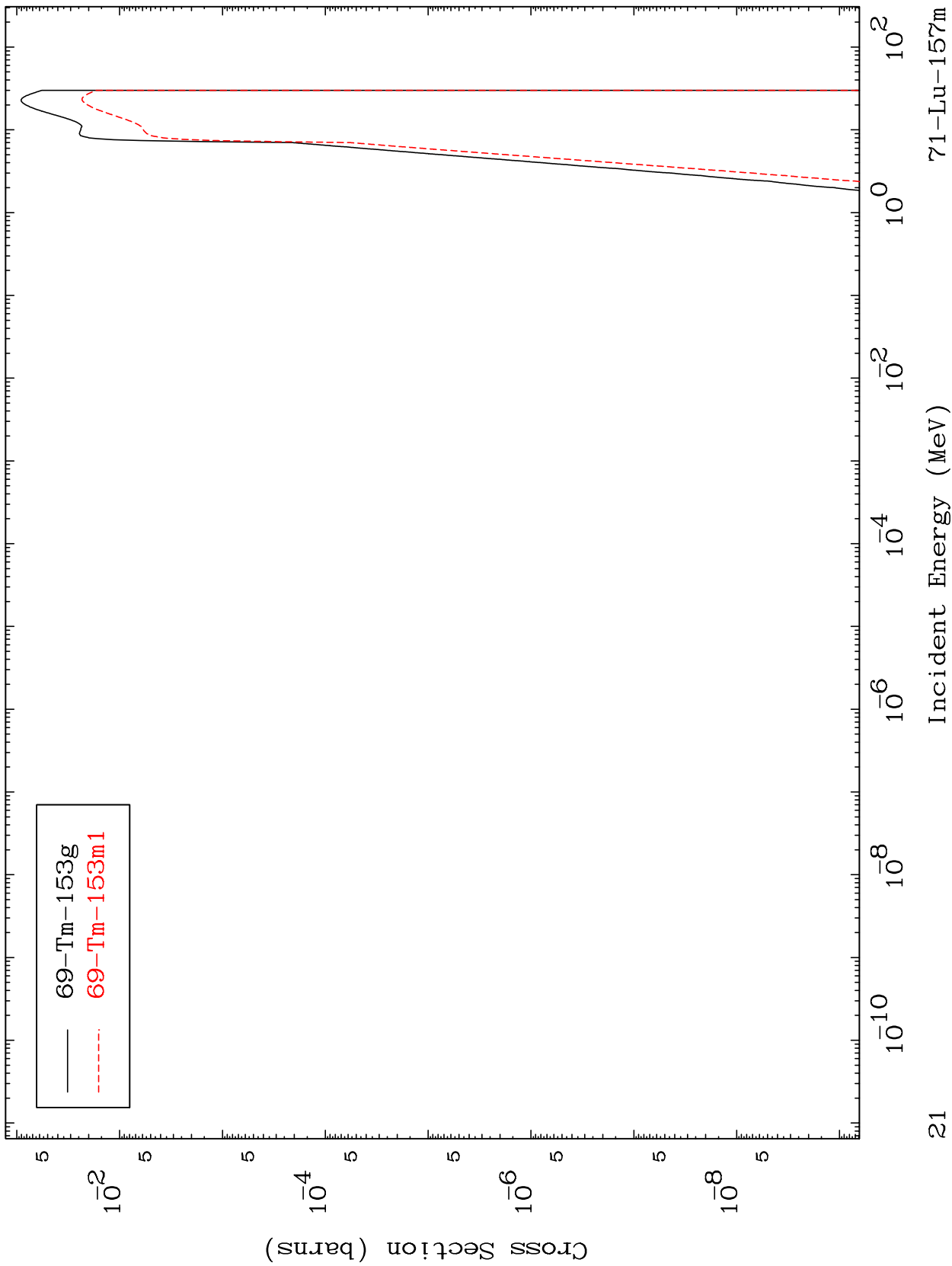
20

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$(n, n') \alpha$

$^{71}\text{Lu}-157\text{m}$

Radionuclide Production Cross Section



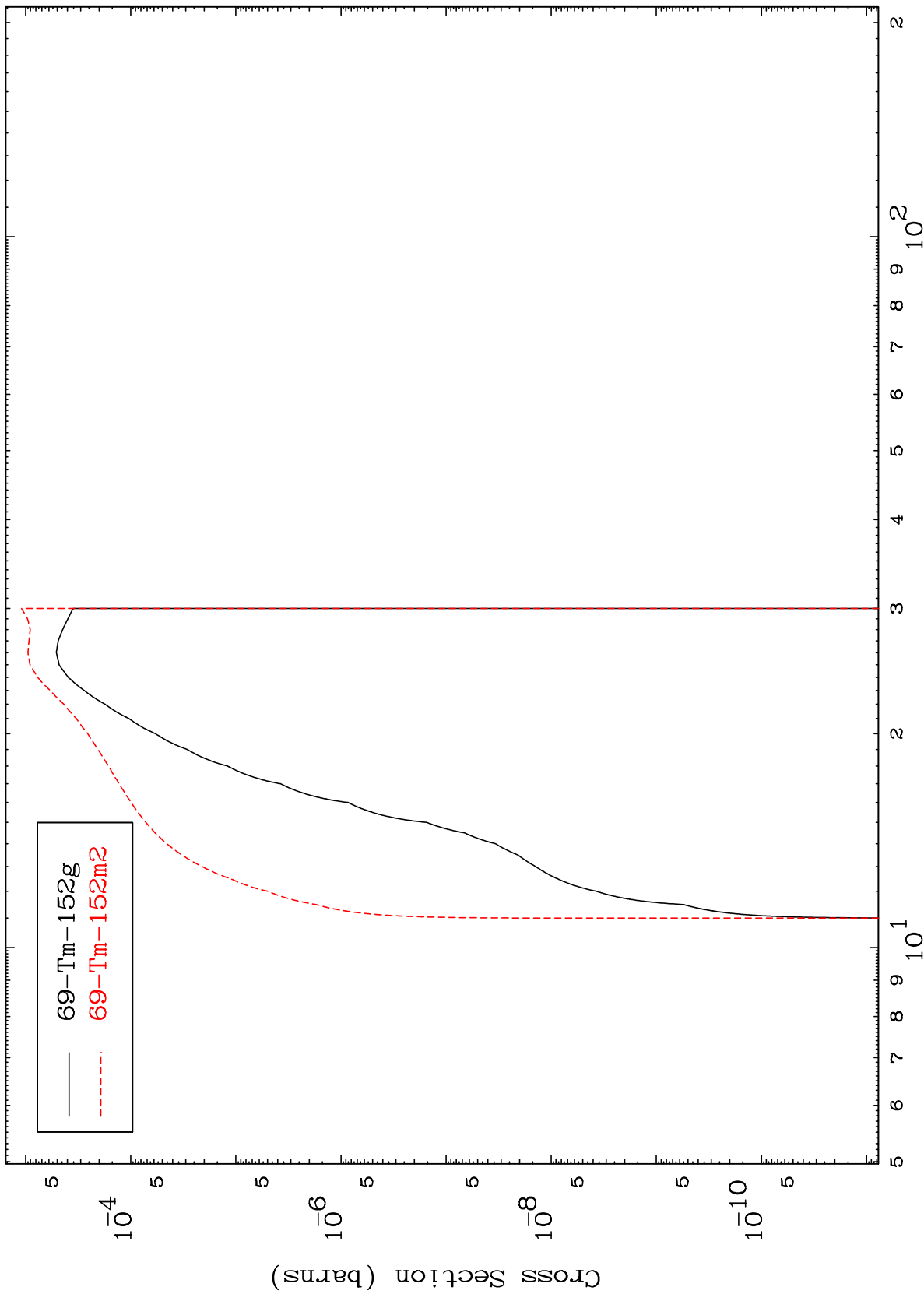
69-Tm-153g  
69-Tm-153m1

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$(n,2n) \alpha$

$^{71}\text{Lu}-157\text{m}$

Radionuclide Production Cross Section

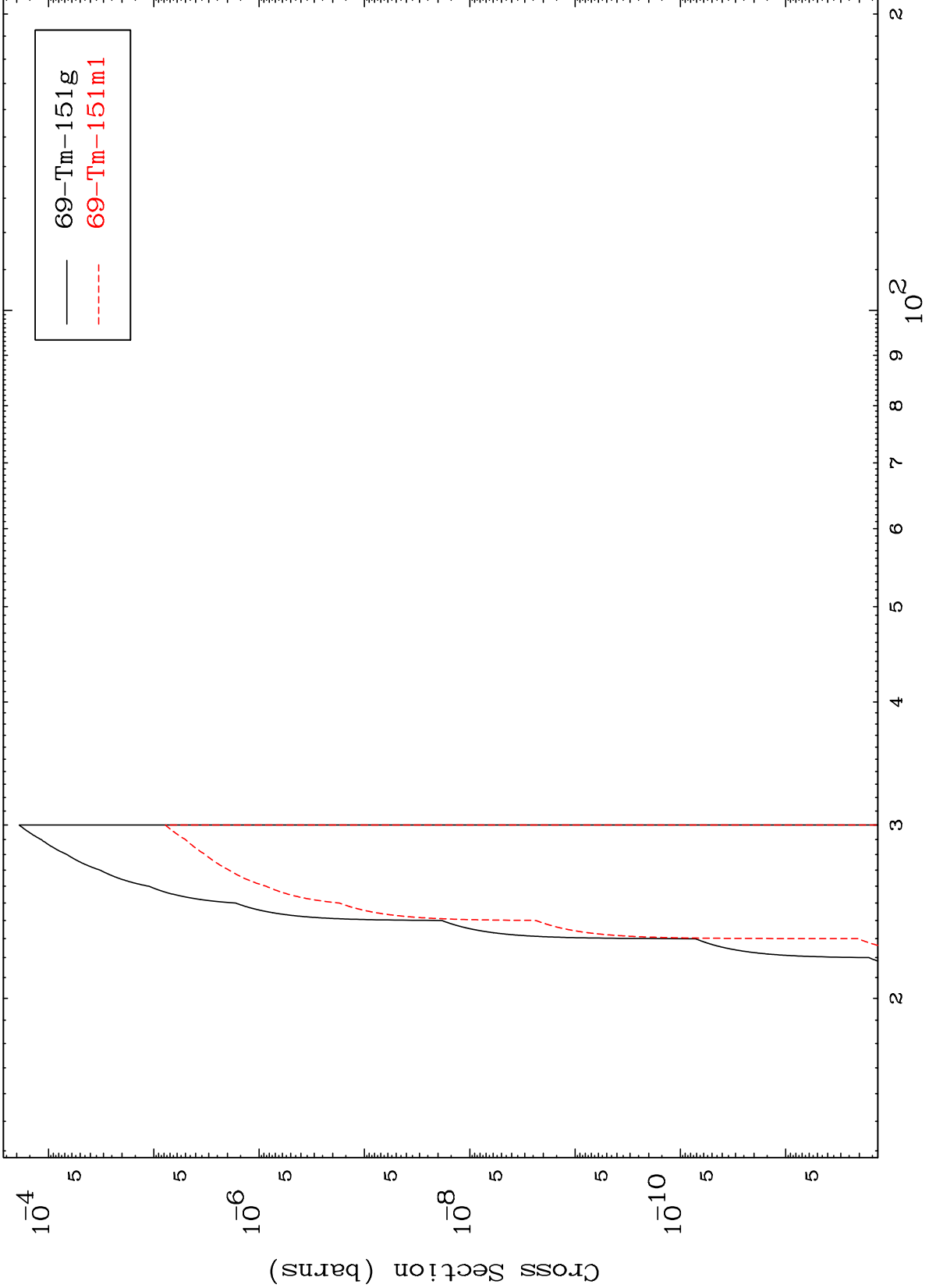


Incident Energy (MeV)

$^{71}\text{Lu}-157\text{m}$

22

Radionuclide Production Cross Section



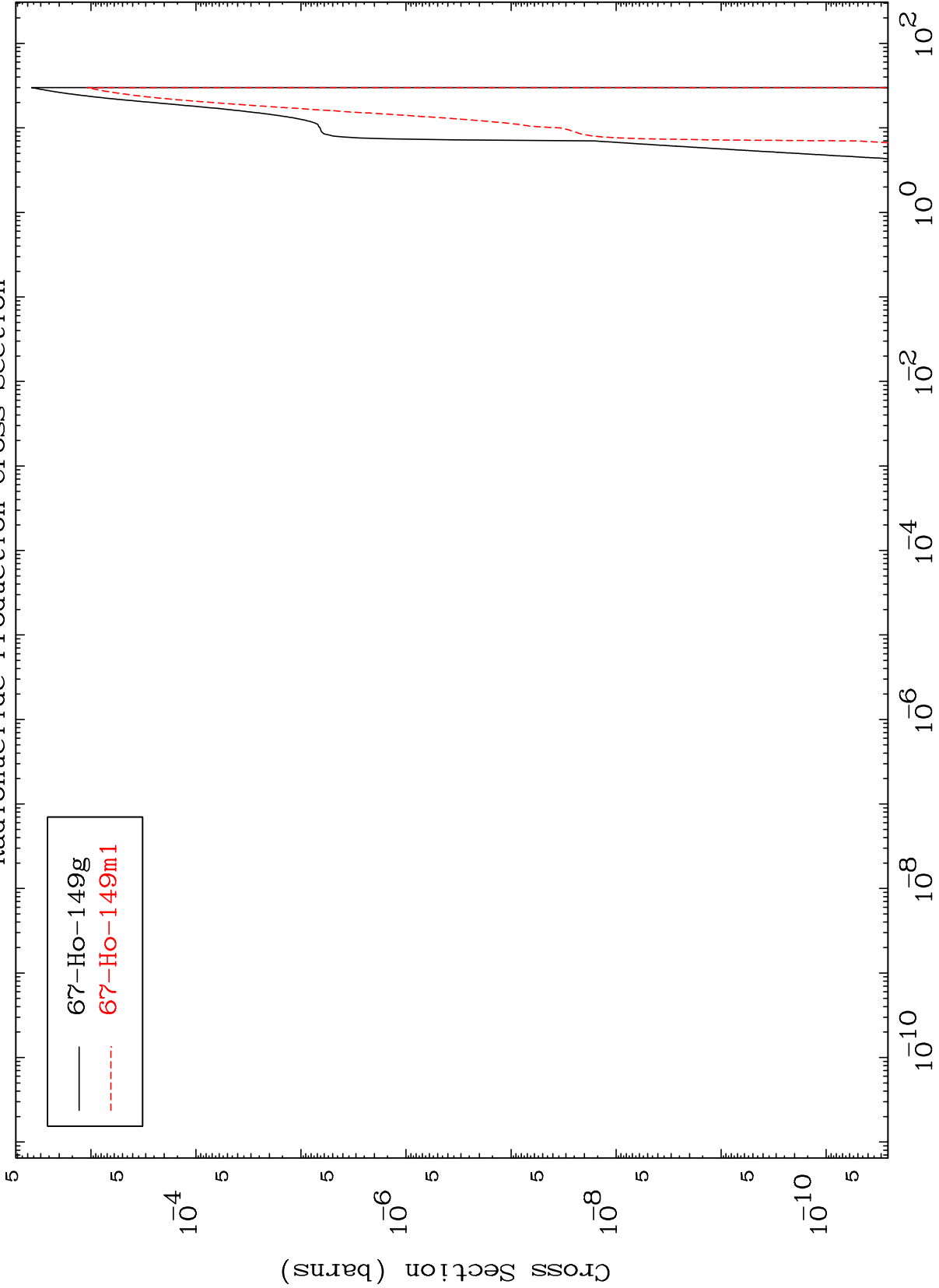


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(n,n') 2α

71-Lu-157m

Radionuclide Production Cross Section

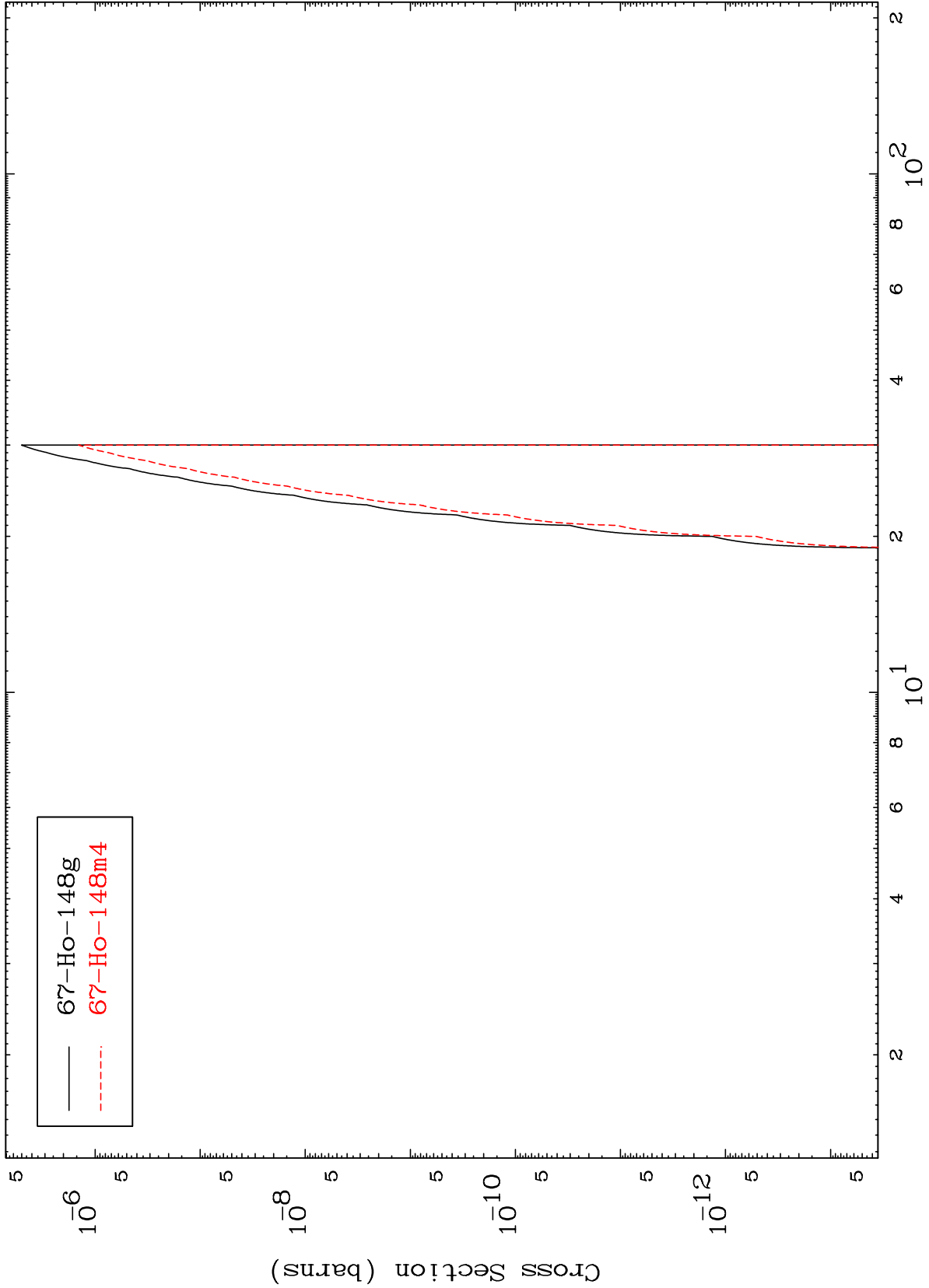


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(n,2n) 2α

71-Lu-157m

Radionuclide Production Cross Section



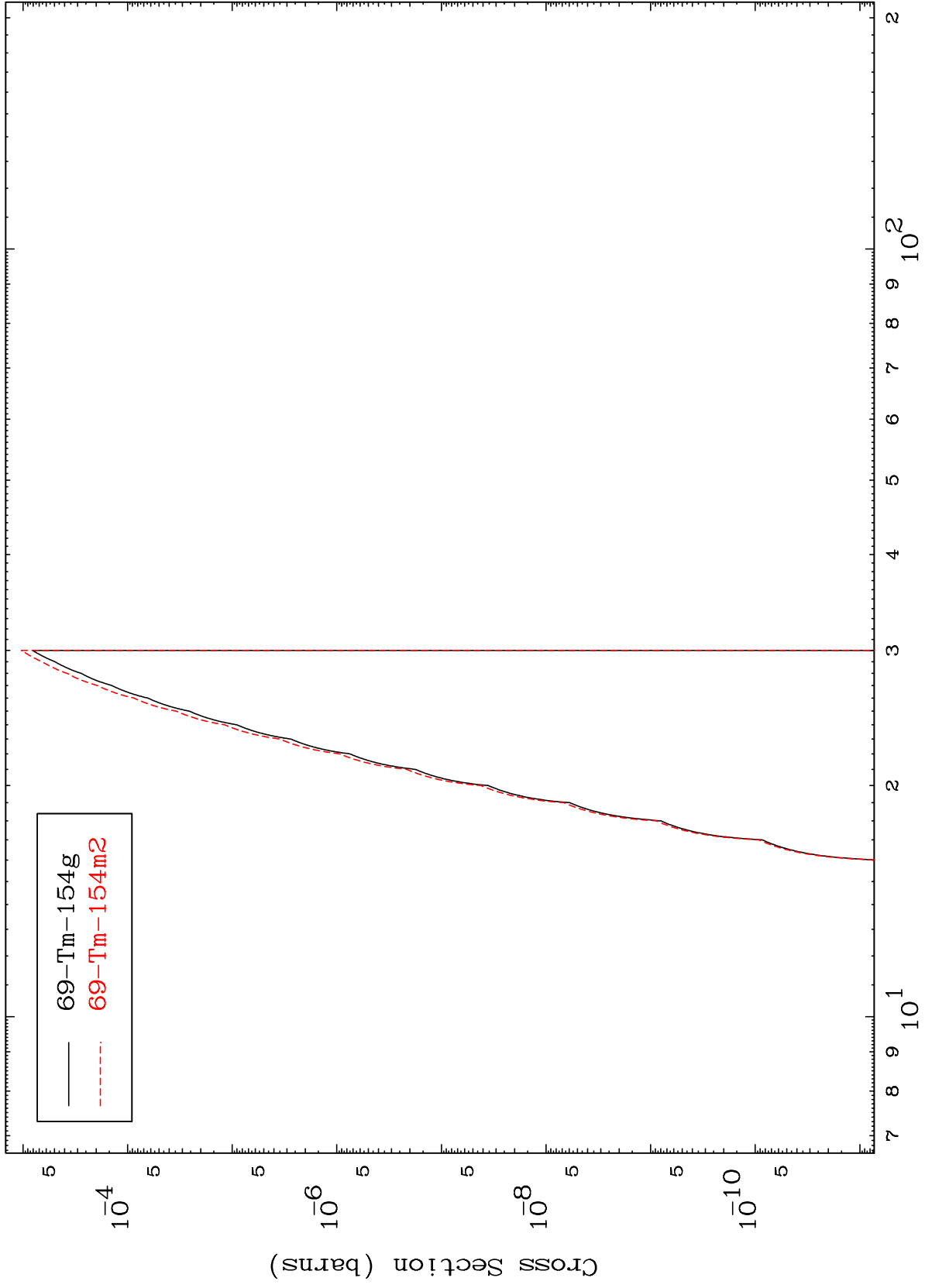
67-Ho-148g  
67-Ho-148m4

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(n,n') He-3

71-Lu-157m

Radionuclide Production Cross Section



69-Tm-154g  
69-Tm-154m2

26

Incident Energy (MeV)

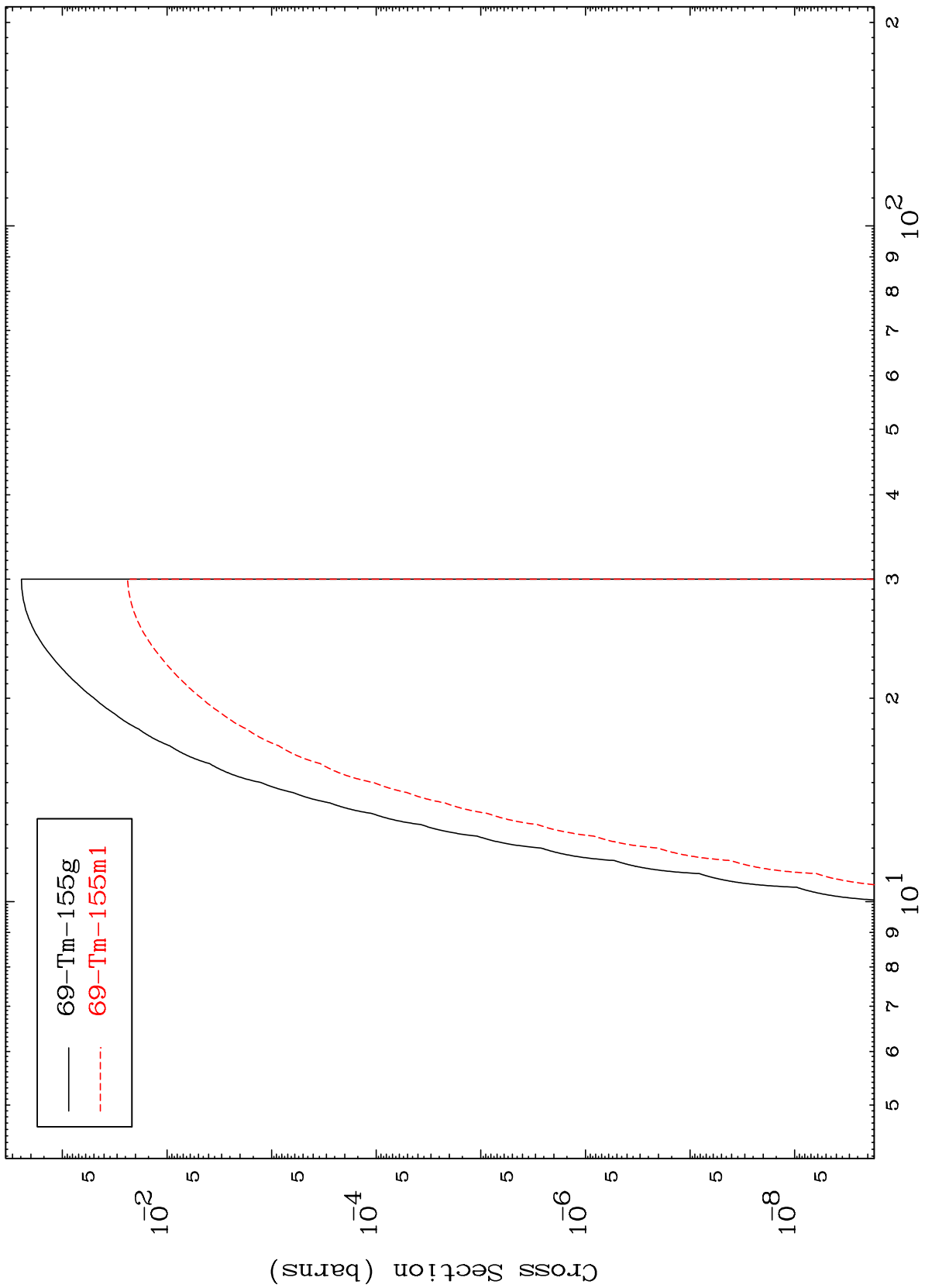
71-Lu-157m

MAT 7072

(n,2n) p

71-Lu-157m

Radionuclide Production Cross Section



69-Tm-155g  
69-Tm-155m1

27

Incident Energy (MeV)

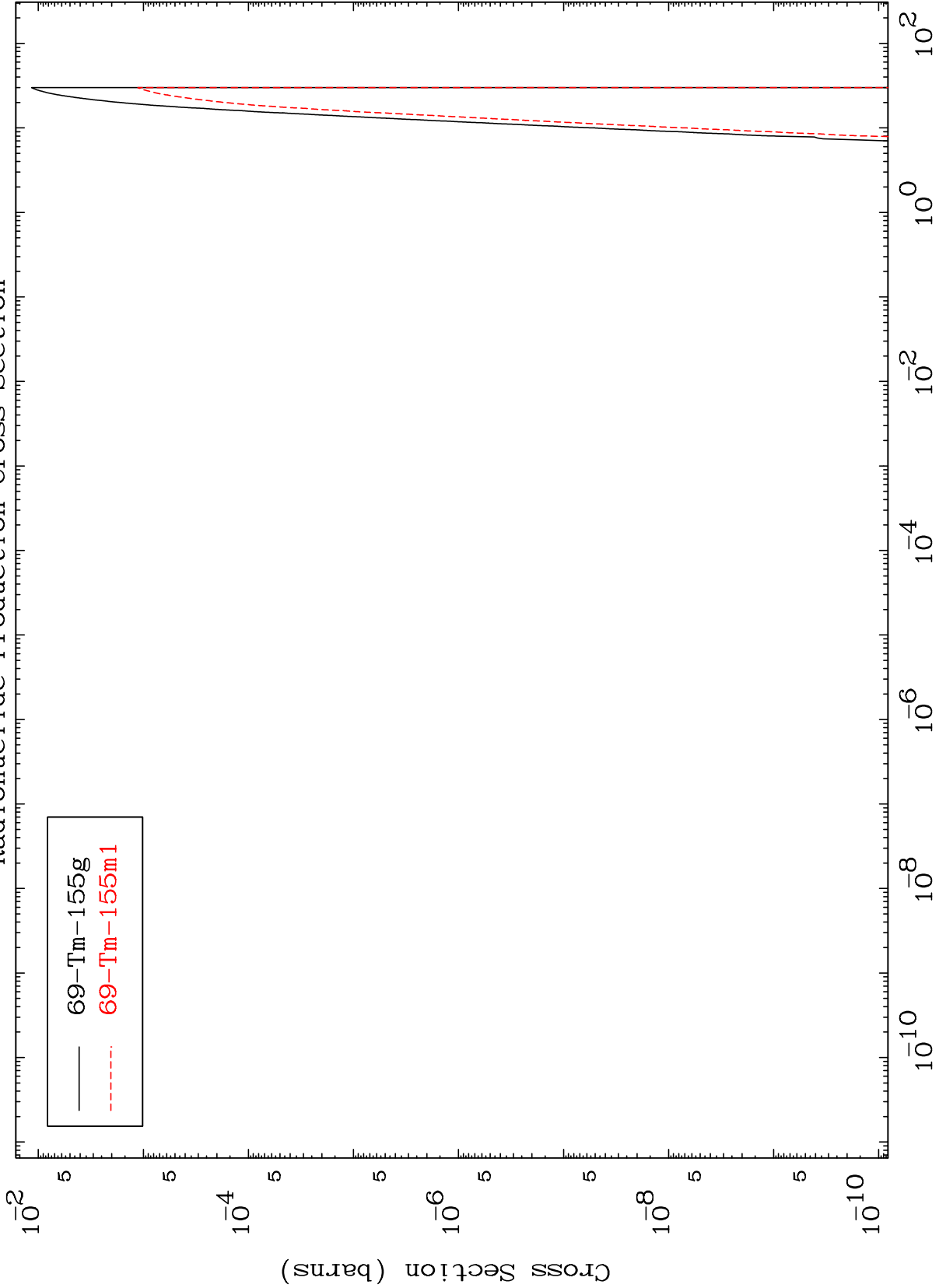
71-Lu-157m

MAT 7072

(n,He-3)

<sup>71</sup>Lu-157m

Radionuclide Production Cross Section



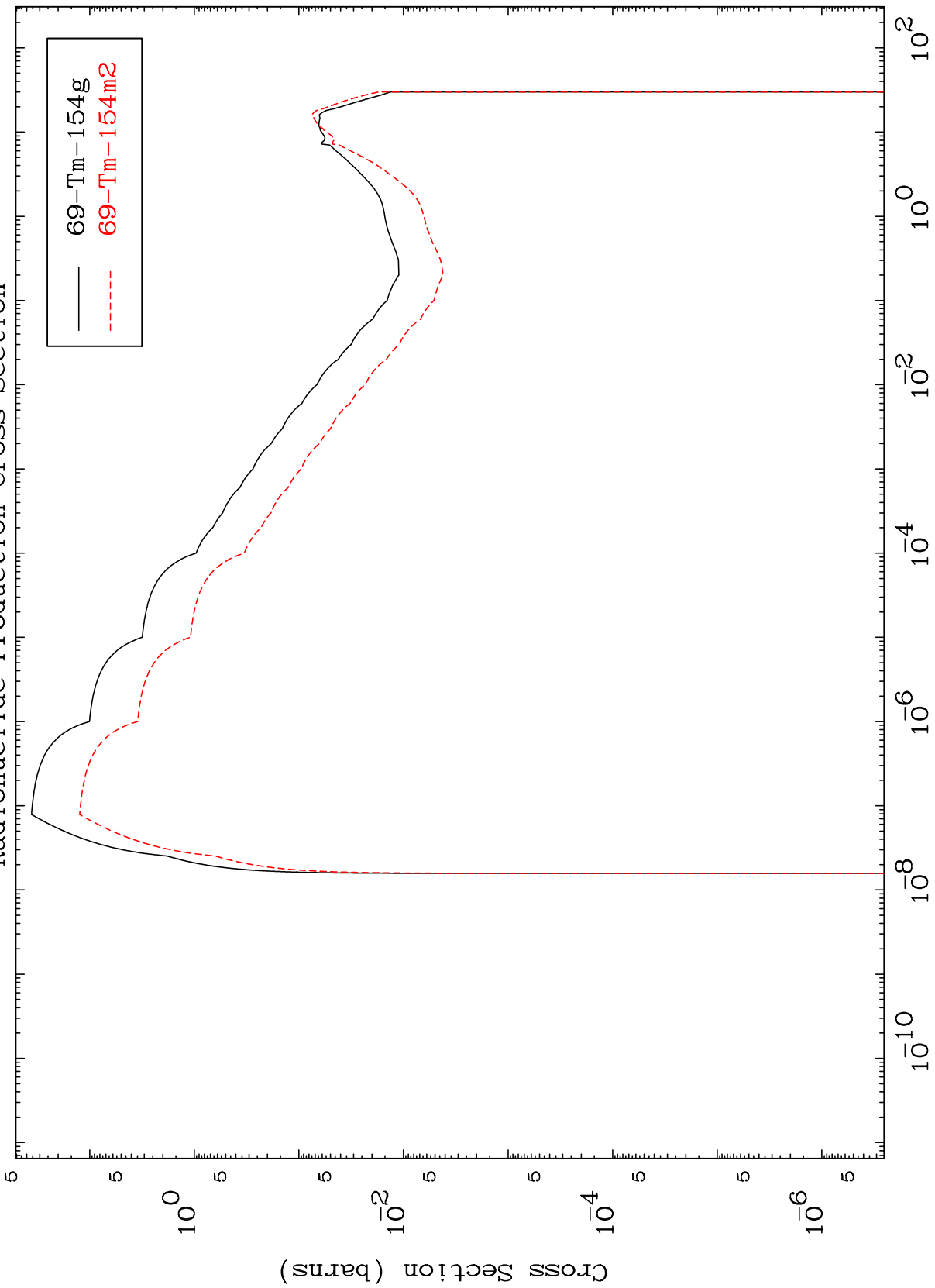
Incident Energy (MeV)

<sup>71</sup>Lu-157m

MAT 7072

71-Lu-157m

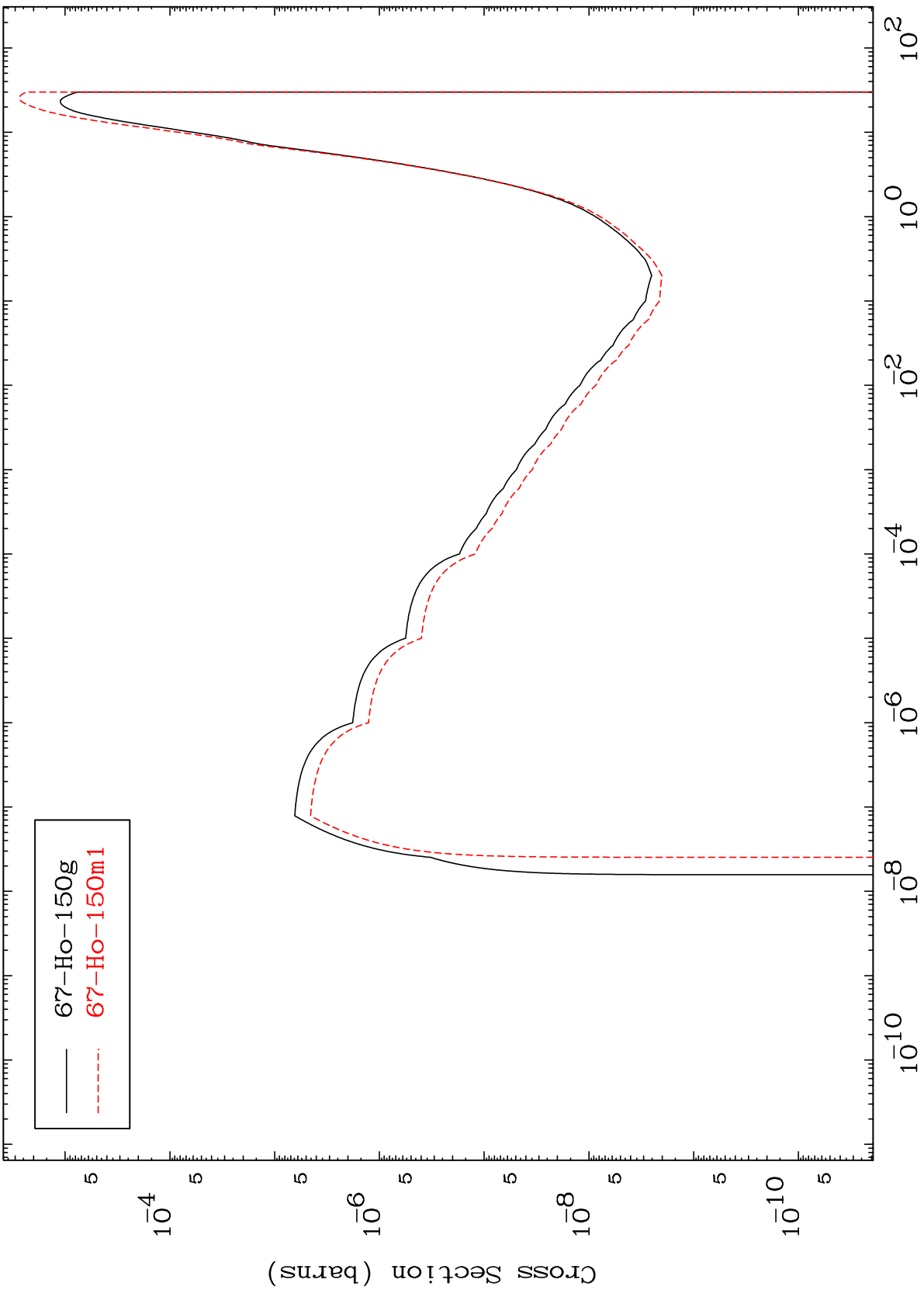
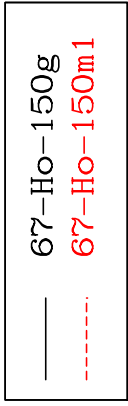
$(n, \alpha)$   
Radionuclide Production Cross Section



MAT 7072

<sup>71</sup>Lu-157m

Radionuclide Production Cross Section  
(n,2α)

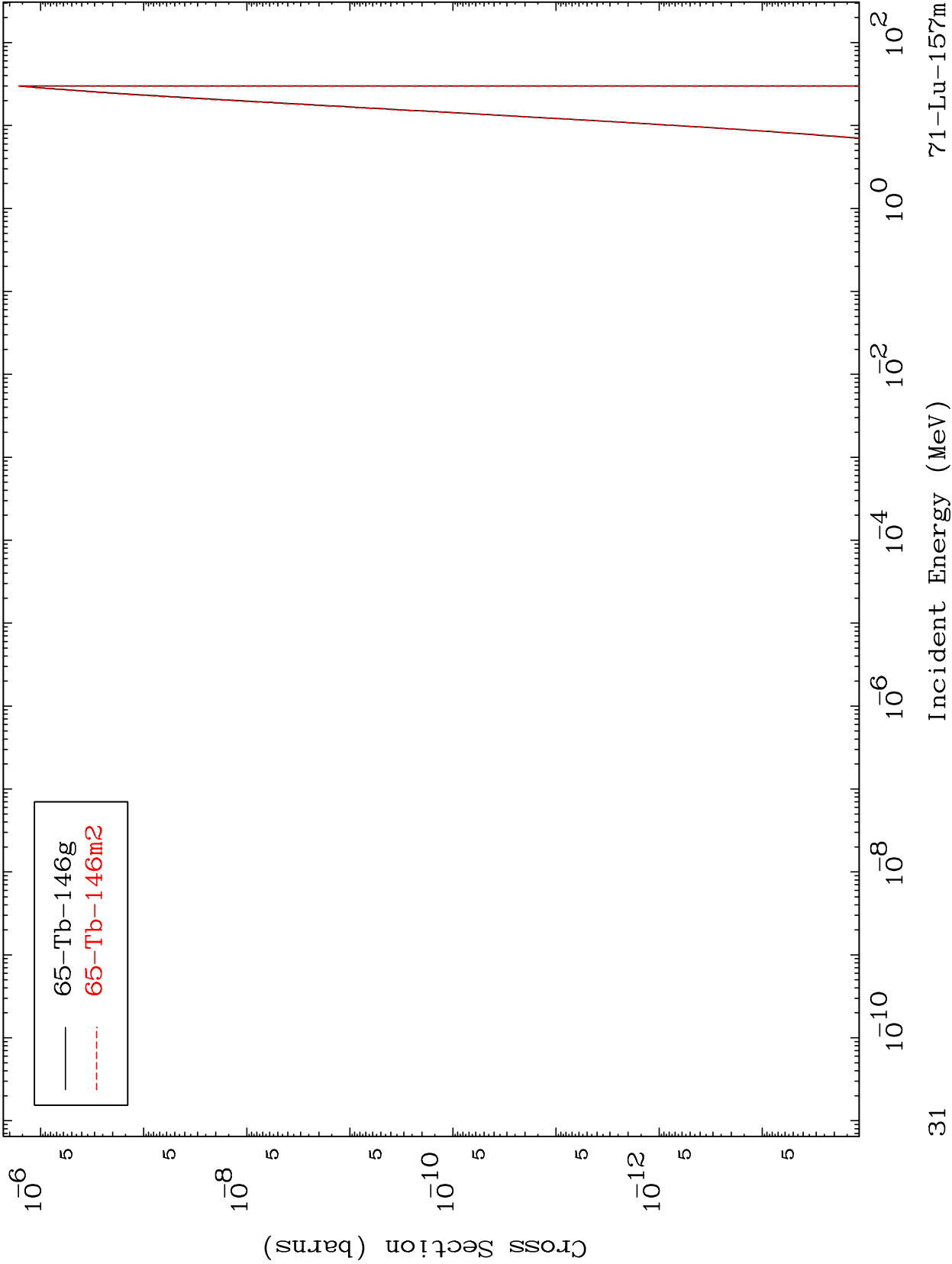


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(n,3α)

<sup>71</sup>Lu-157m

Radionuclide Production Cross Section



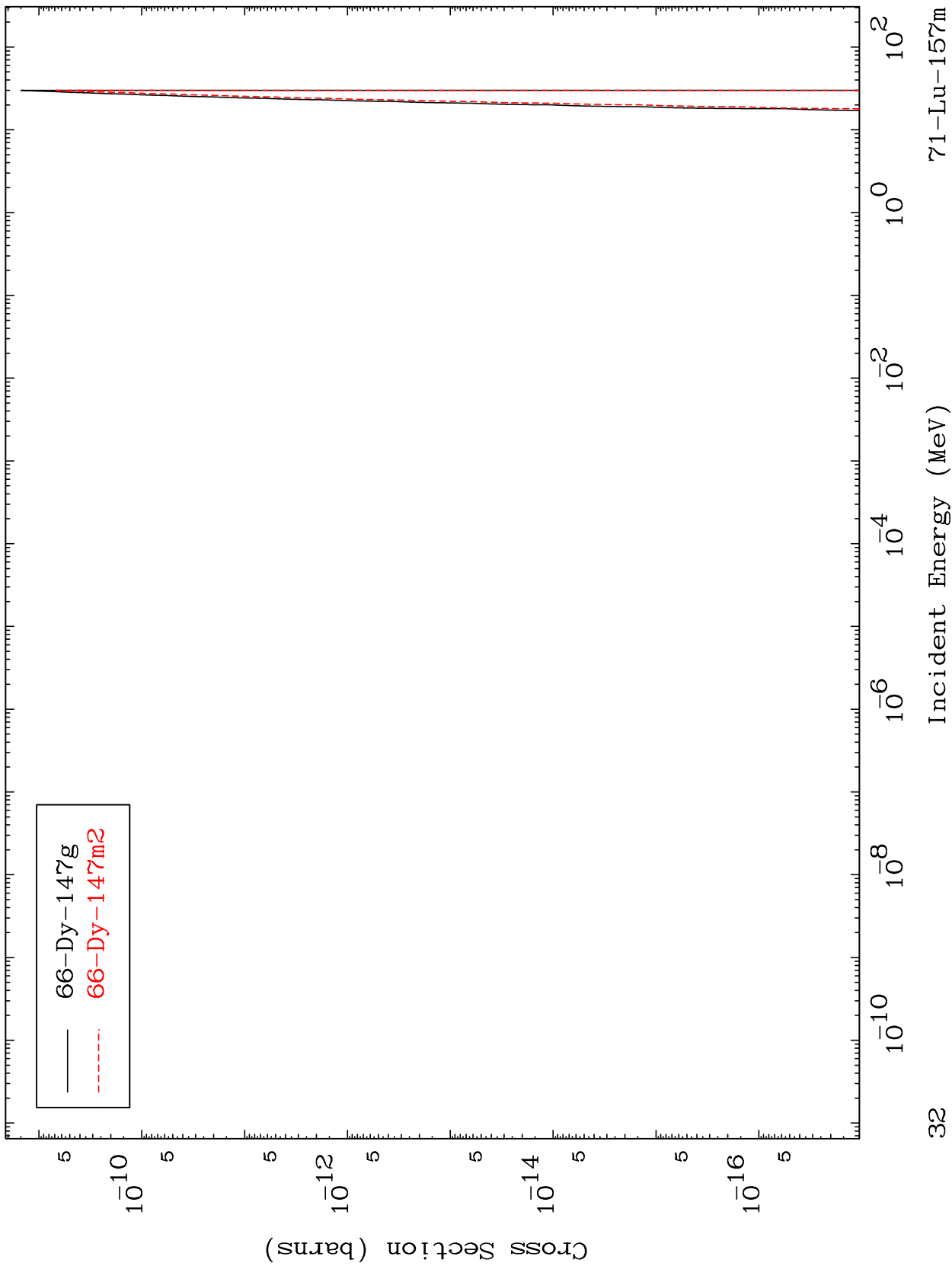


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(n,t) 2 $\alpha$

<sup>71</sup>Lu-157m

Radionuclide Production Cross Section

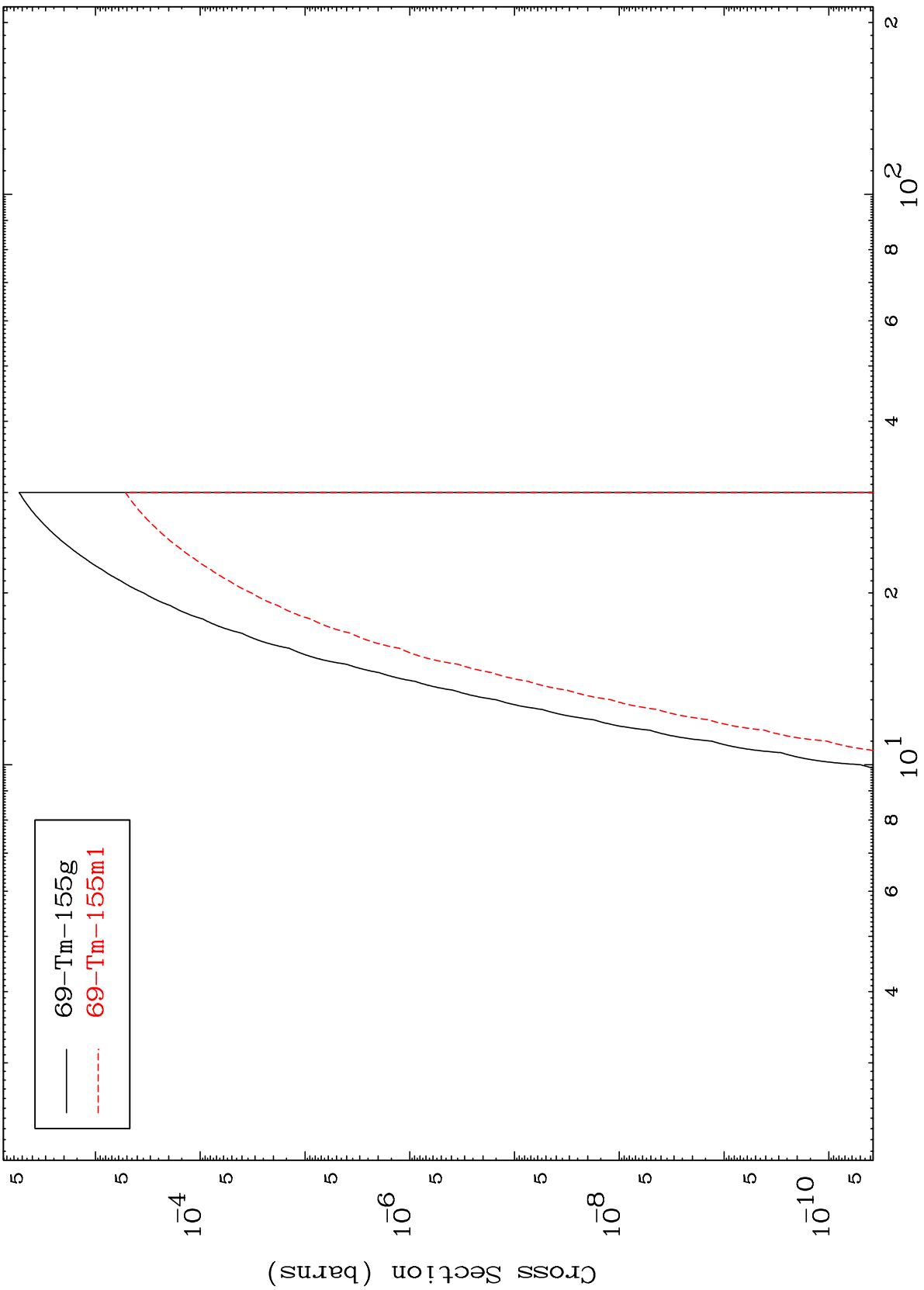


MAT 7072

(n,p) d

71-Lu-157m

Radionuclide Production Cross Section

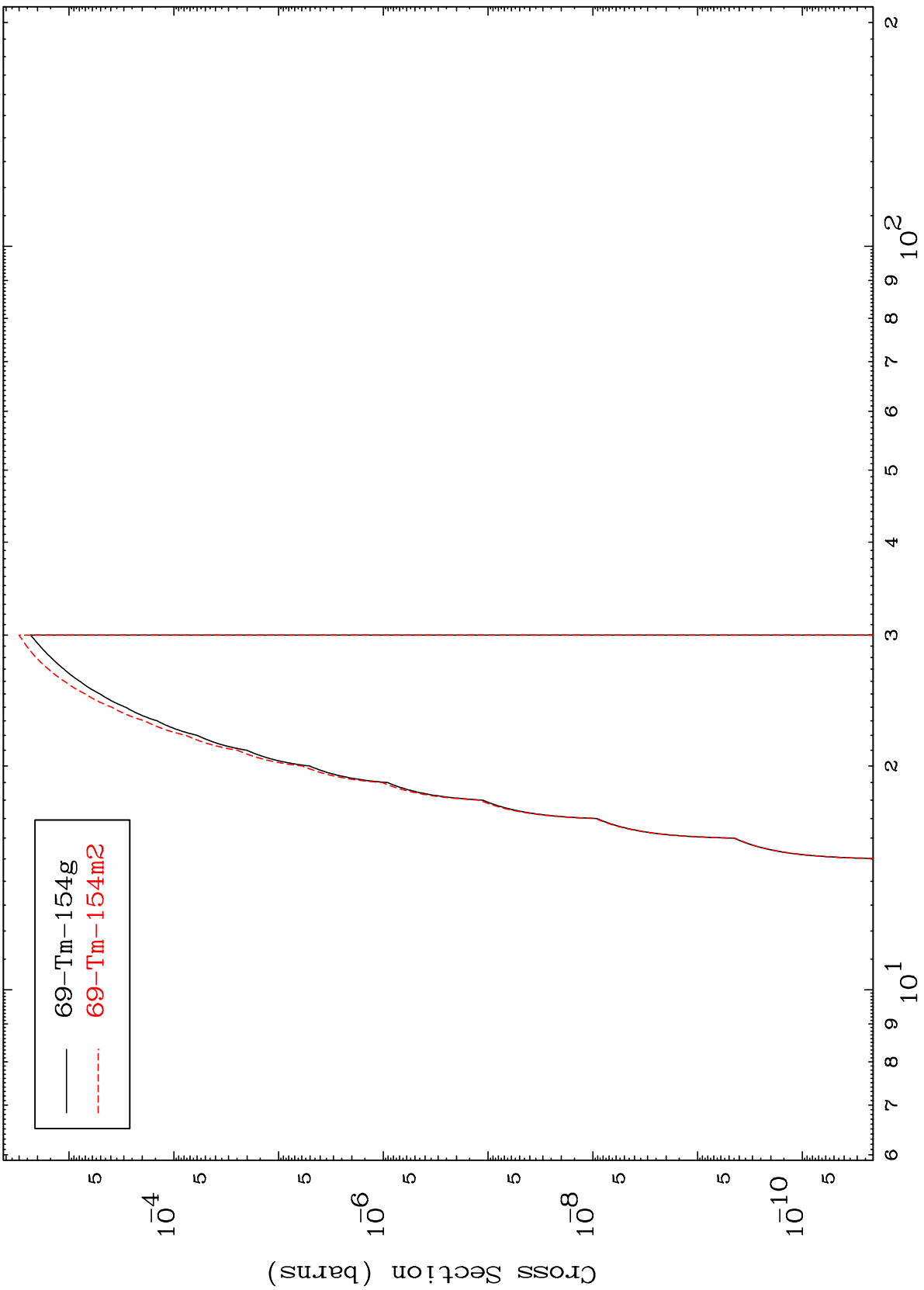


MAT 7072

(n,p) t

<sup>71</sup>Lu-157m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

<sup>71</sup>Lu-157m