

Program EVALPLOT  
(Version 2015-2)

by

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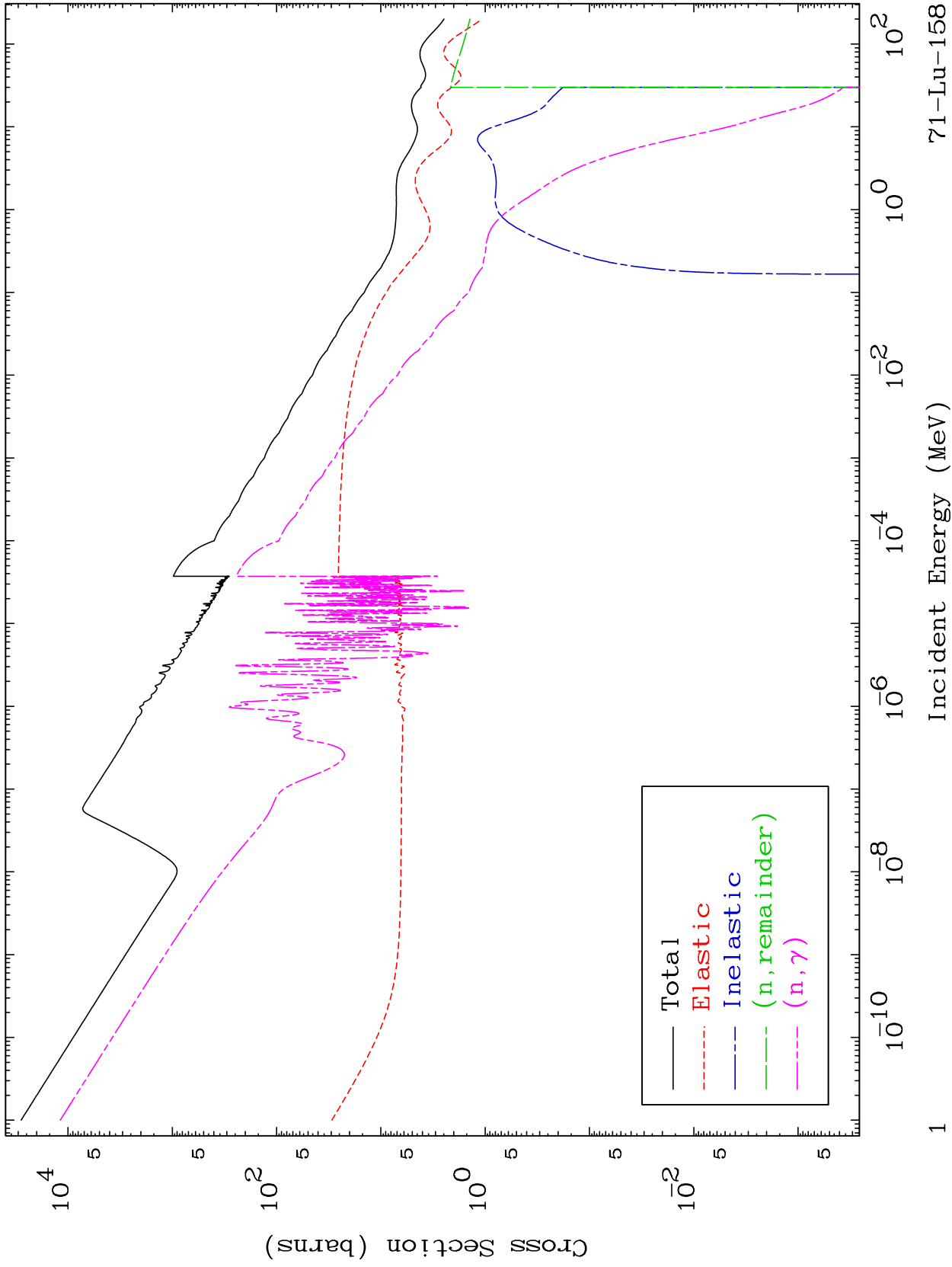
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7074

Major  
293 Kelvin Cross Sections

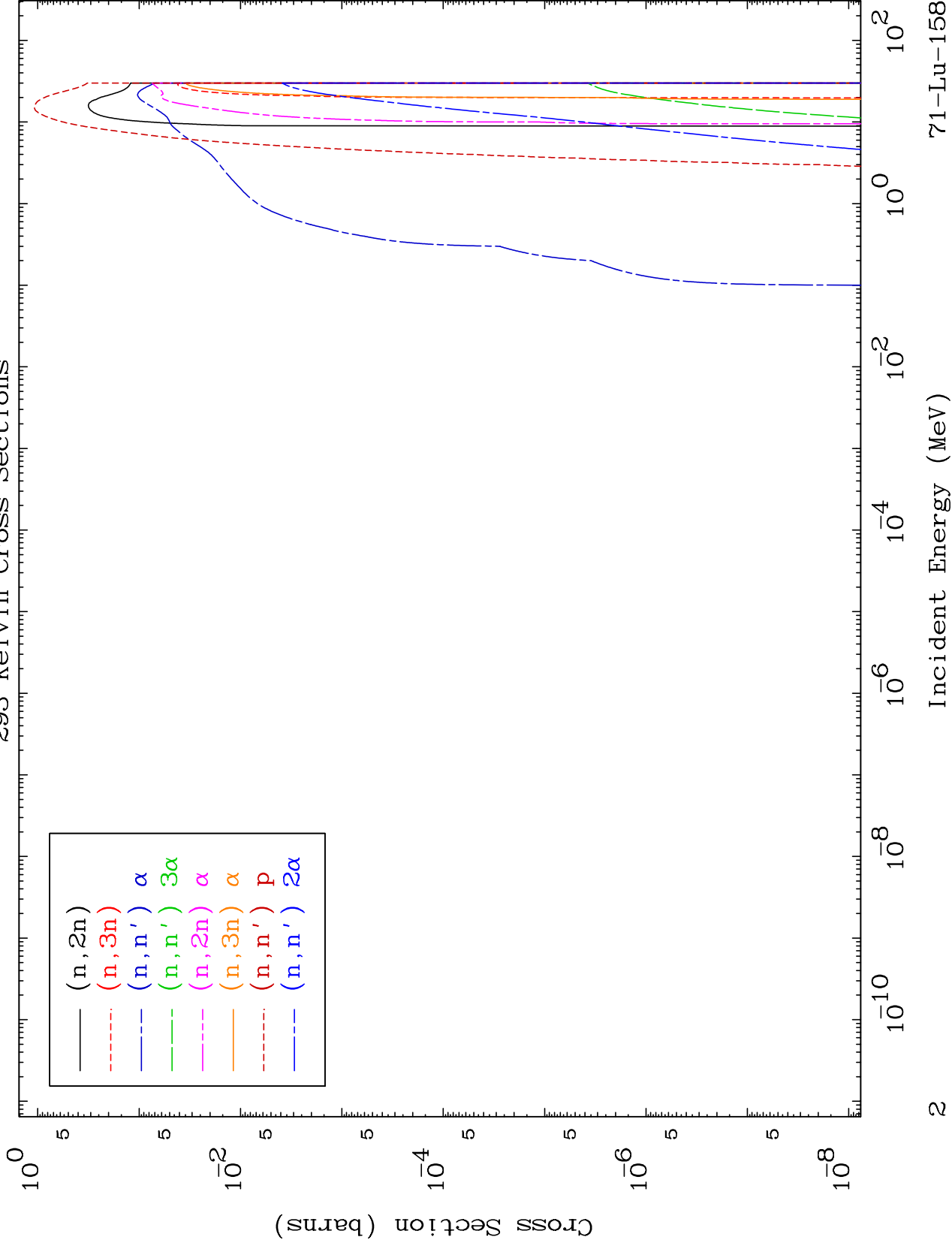
71-Lu-158

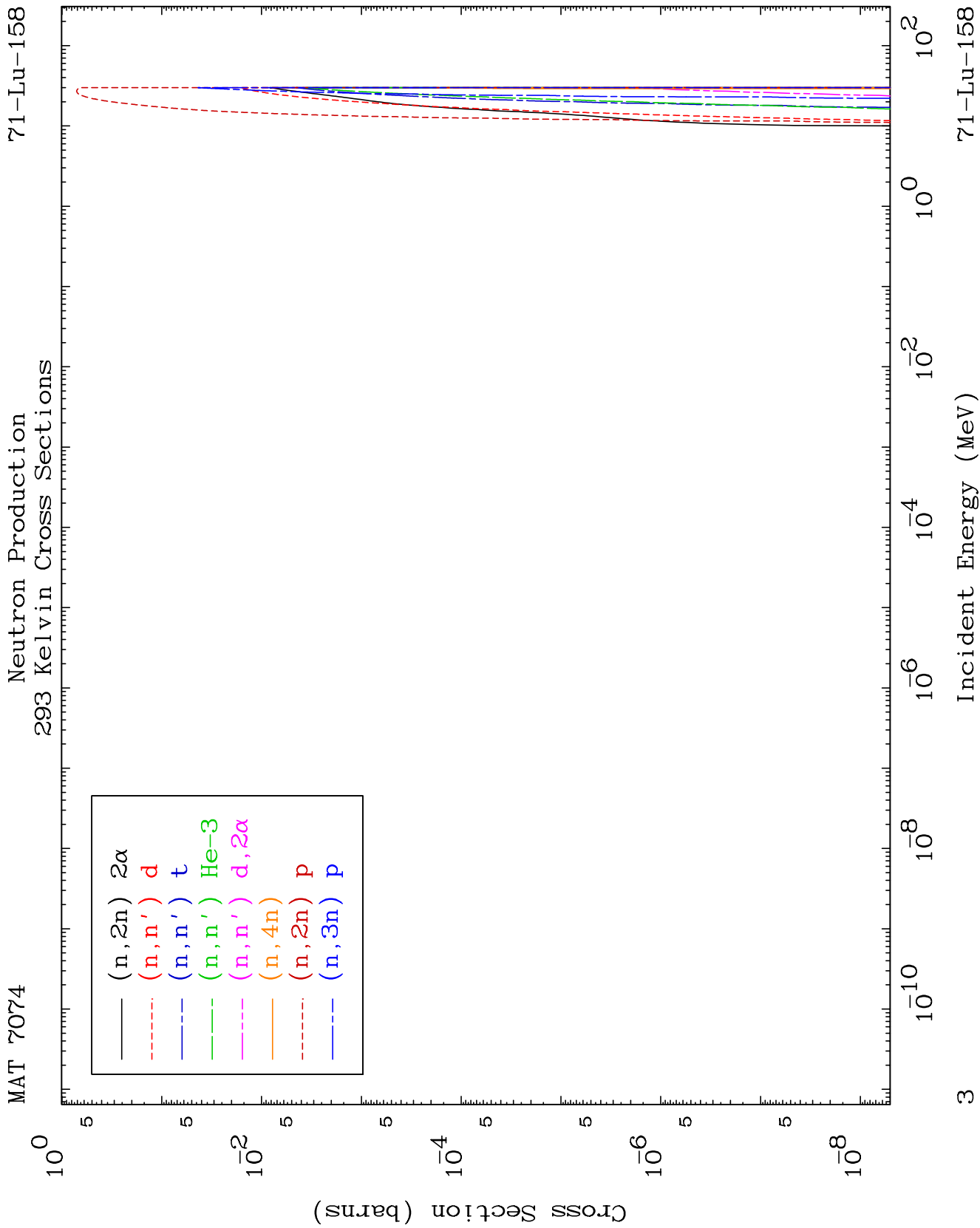


MAT 7074

Neutron Production  
293 Kelvin Cross Sections

71-Lu-158



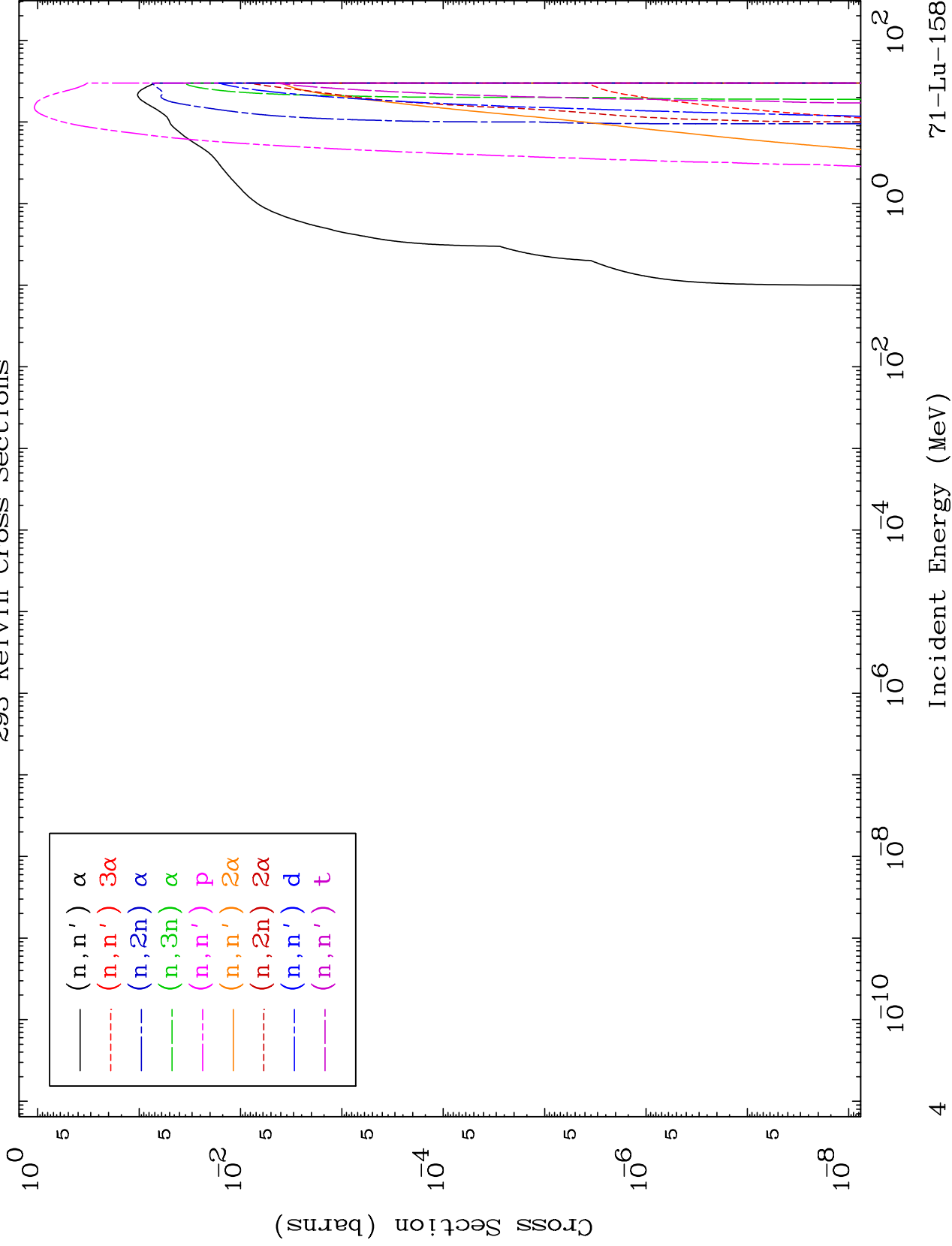


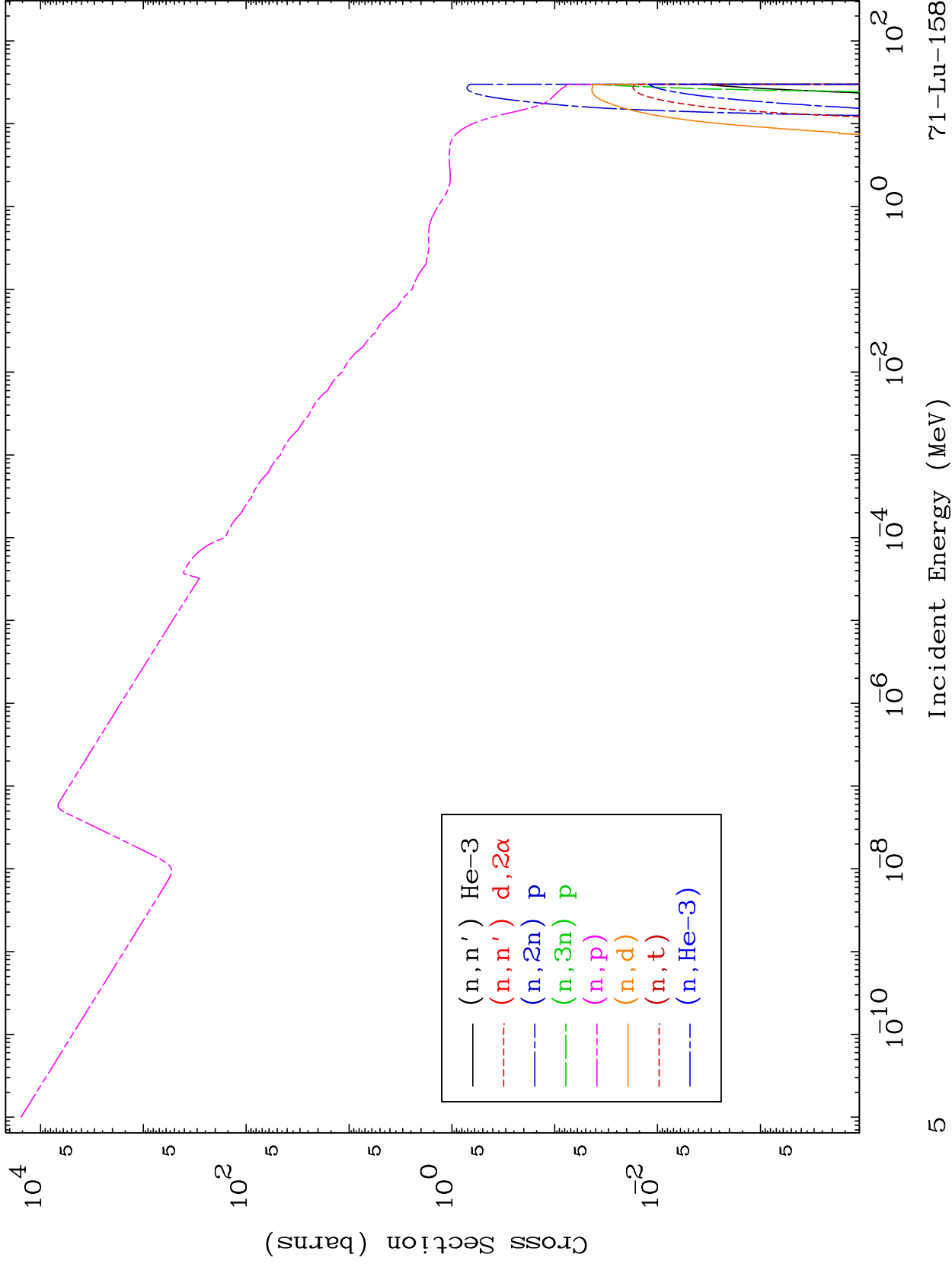
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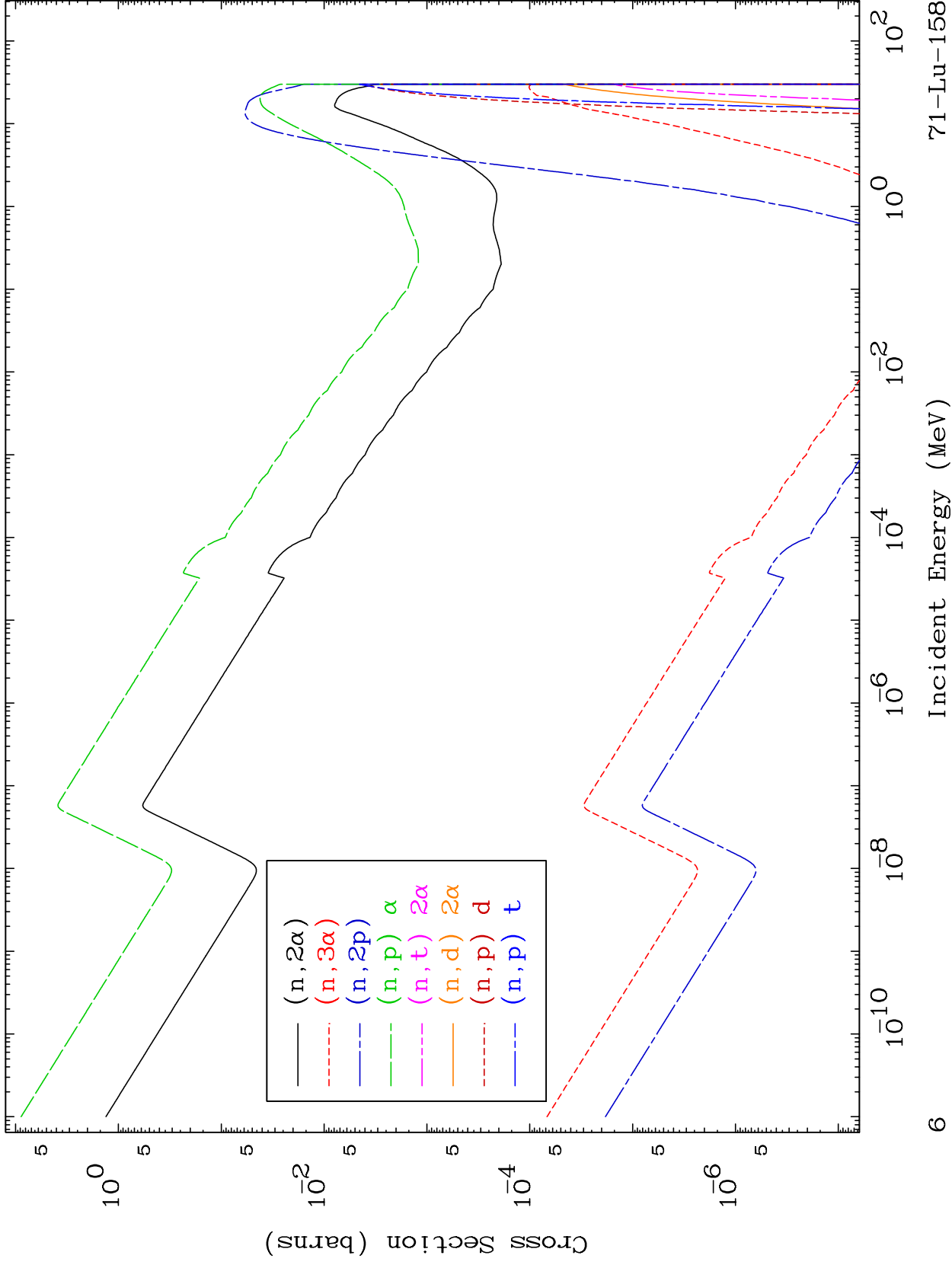
MAT 7074

Charged Particle  
293 Kelvin Cross Sections

71-Lu-158



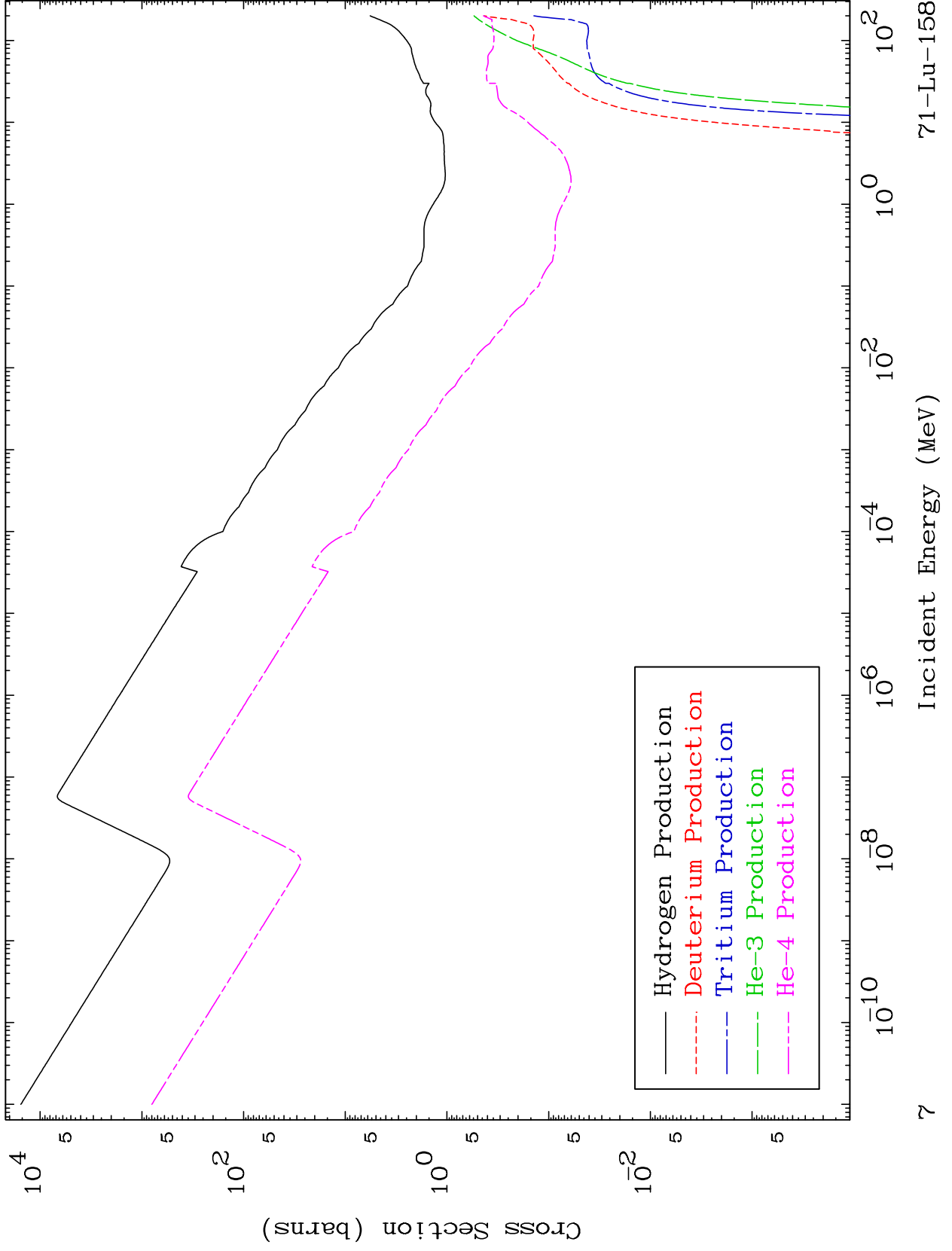




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Particle Production  
293 Kelvin Cross Sections

71-Lu-158

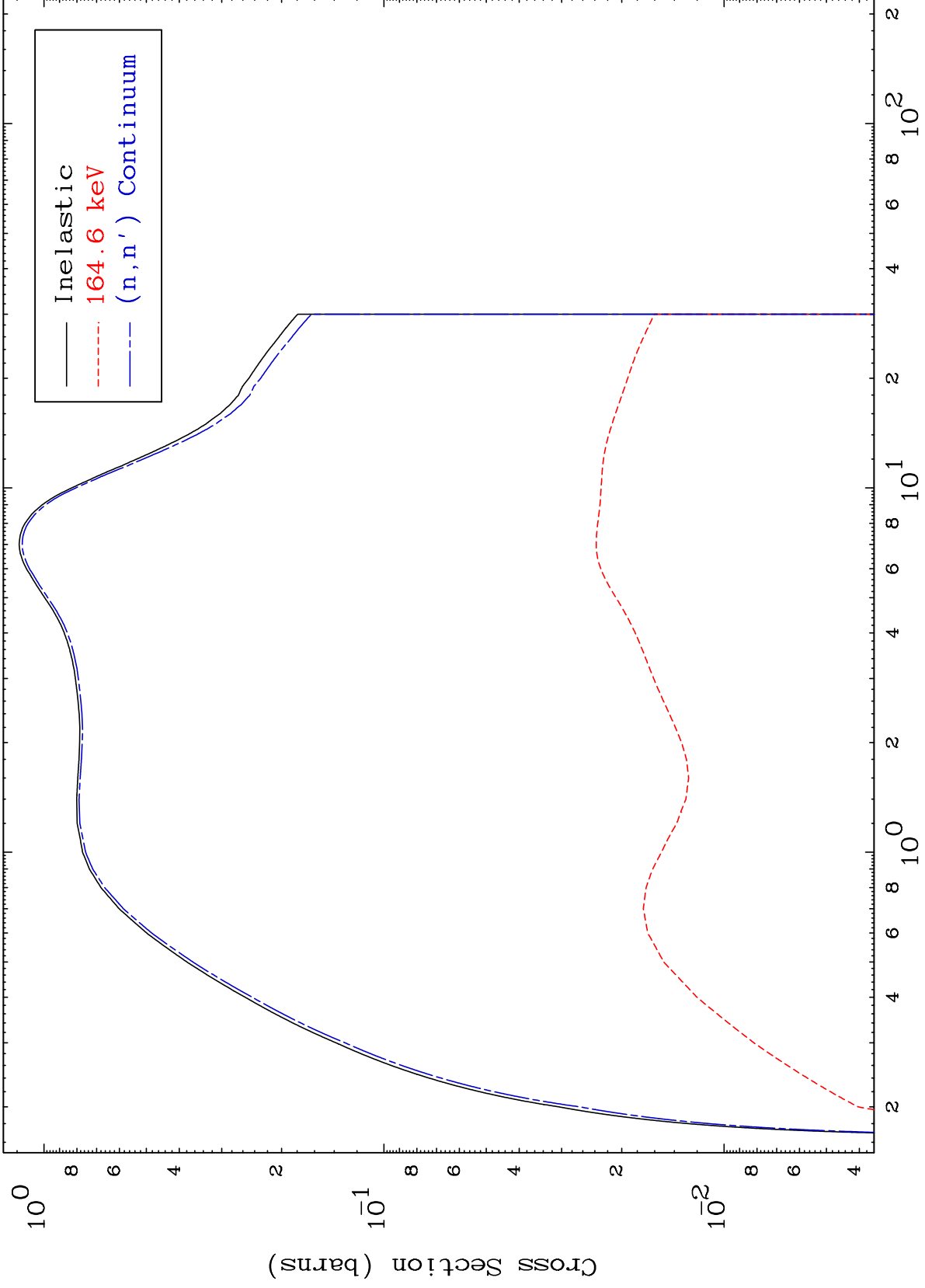




MAT 7074

(n,n') Level  
293 Kelvin Cross Sections

71-Lu-158



8

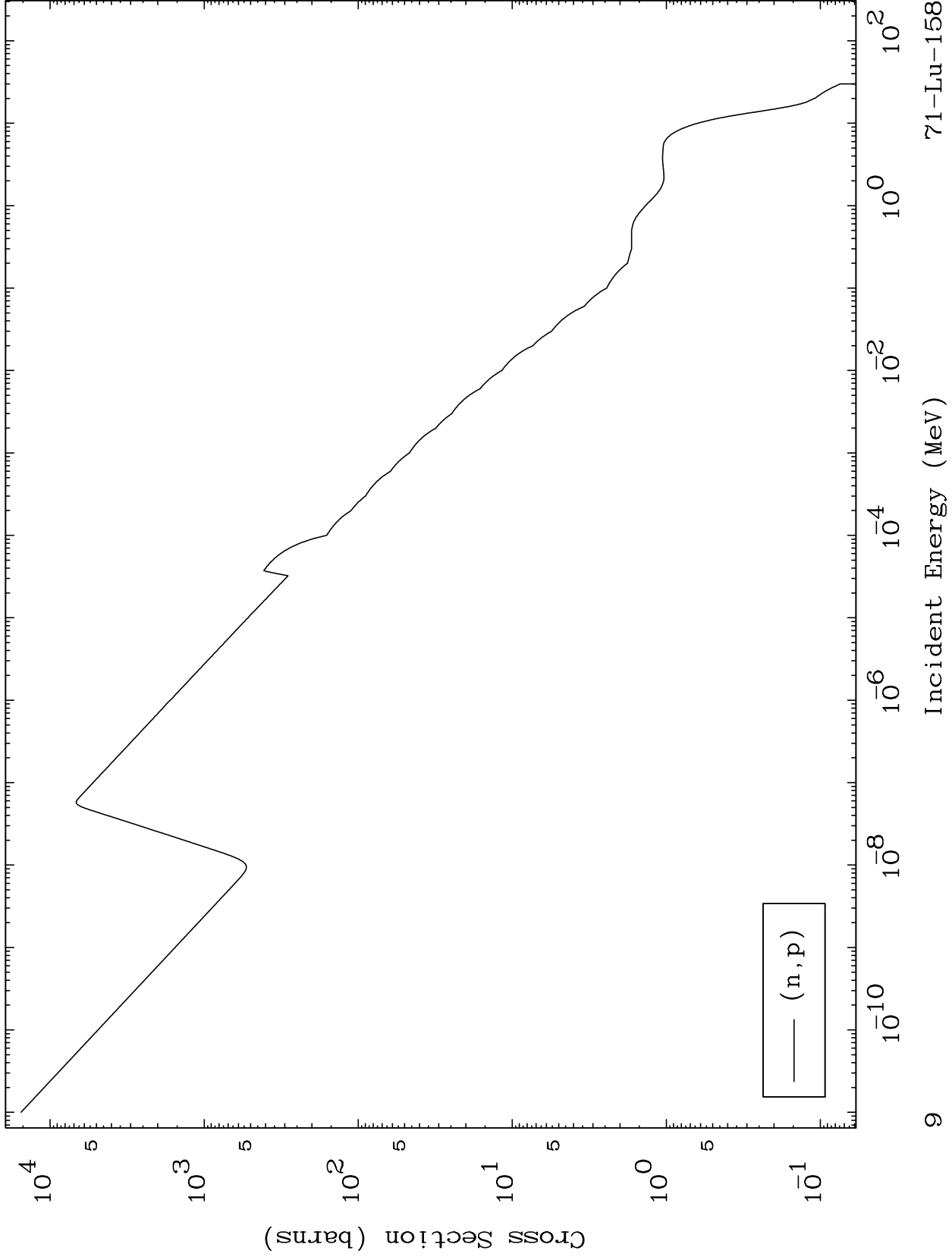
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,p) Levels  
293 Kelvin Cross Sections

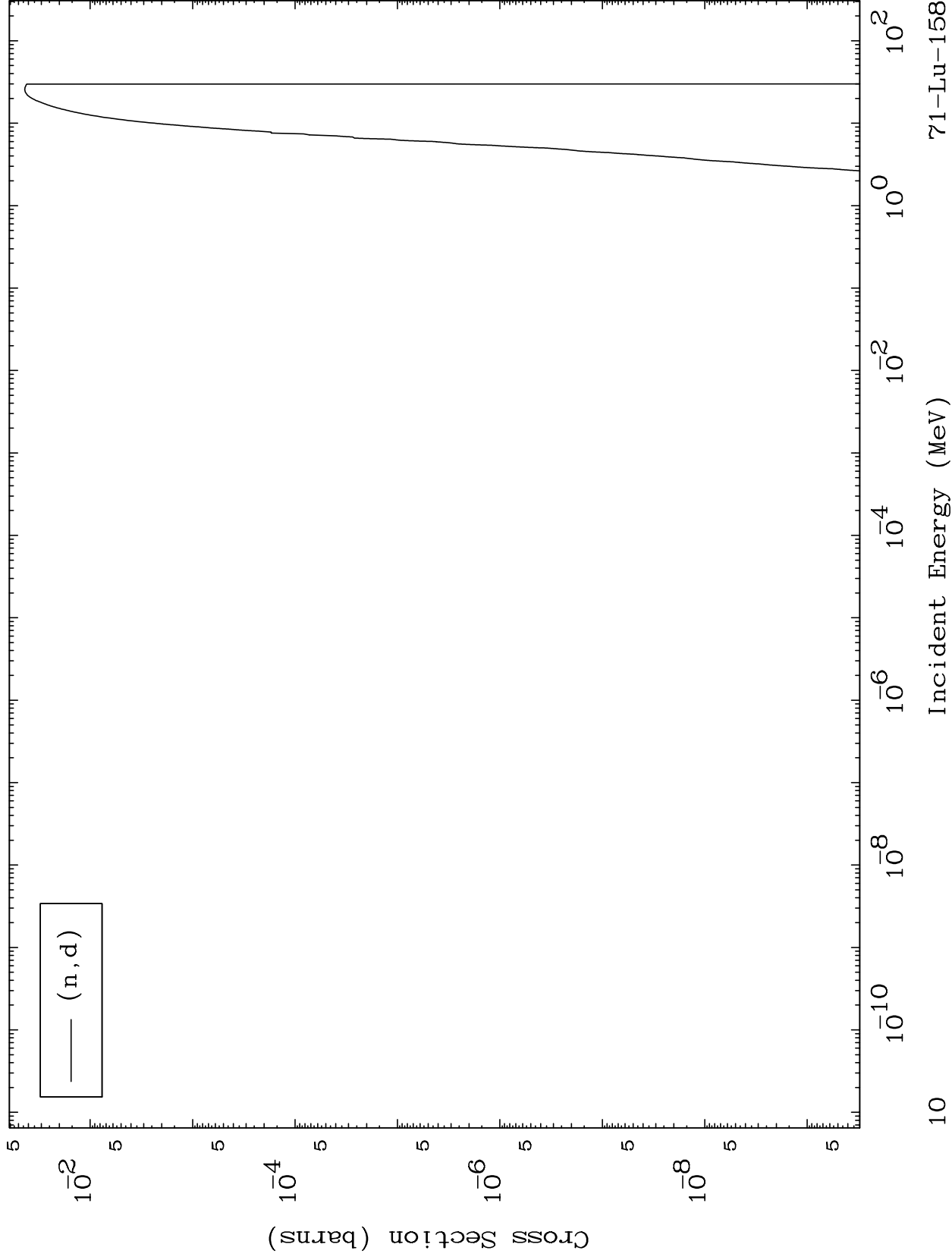
71-Lu-158



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(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-158



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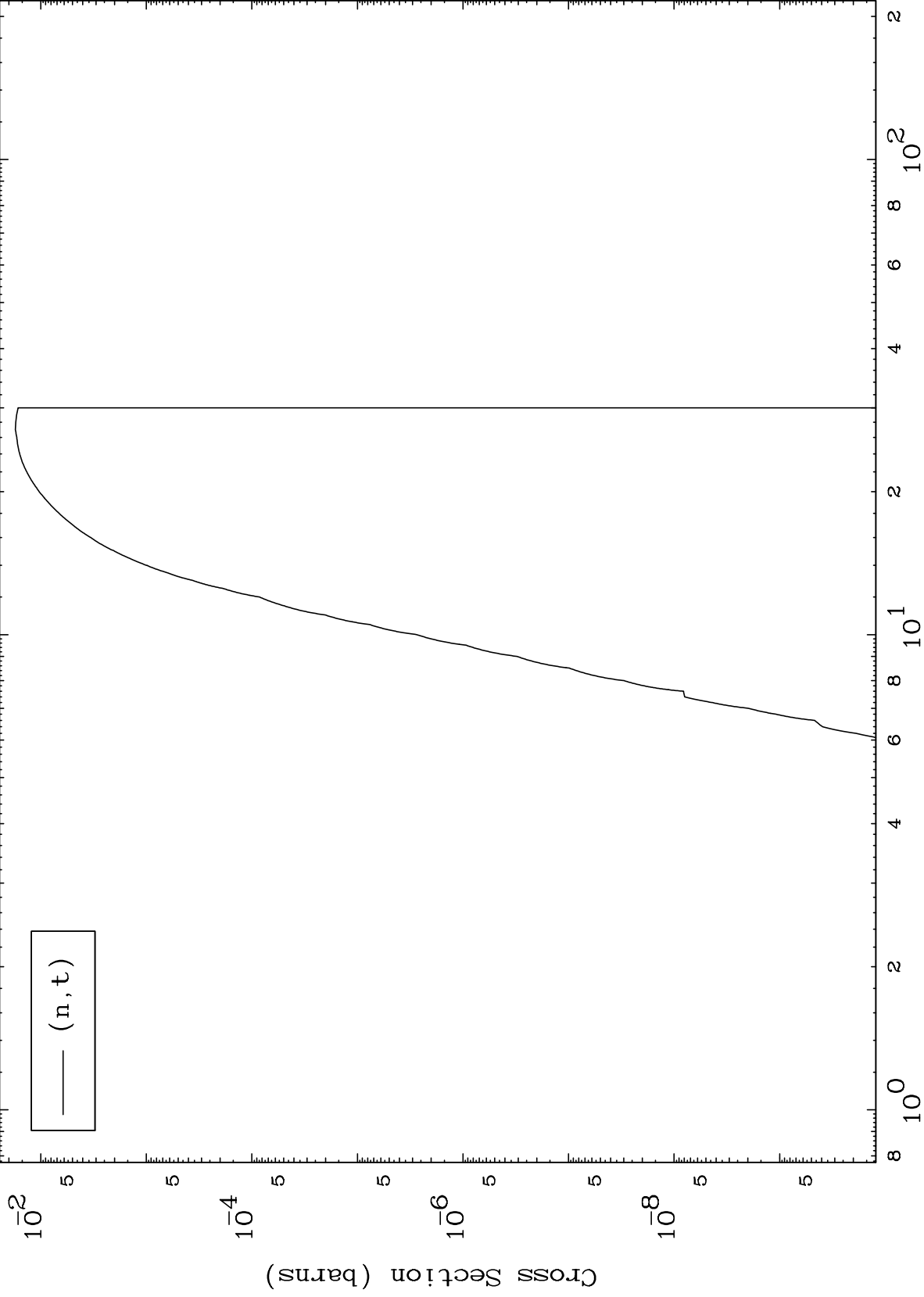
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-158



11

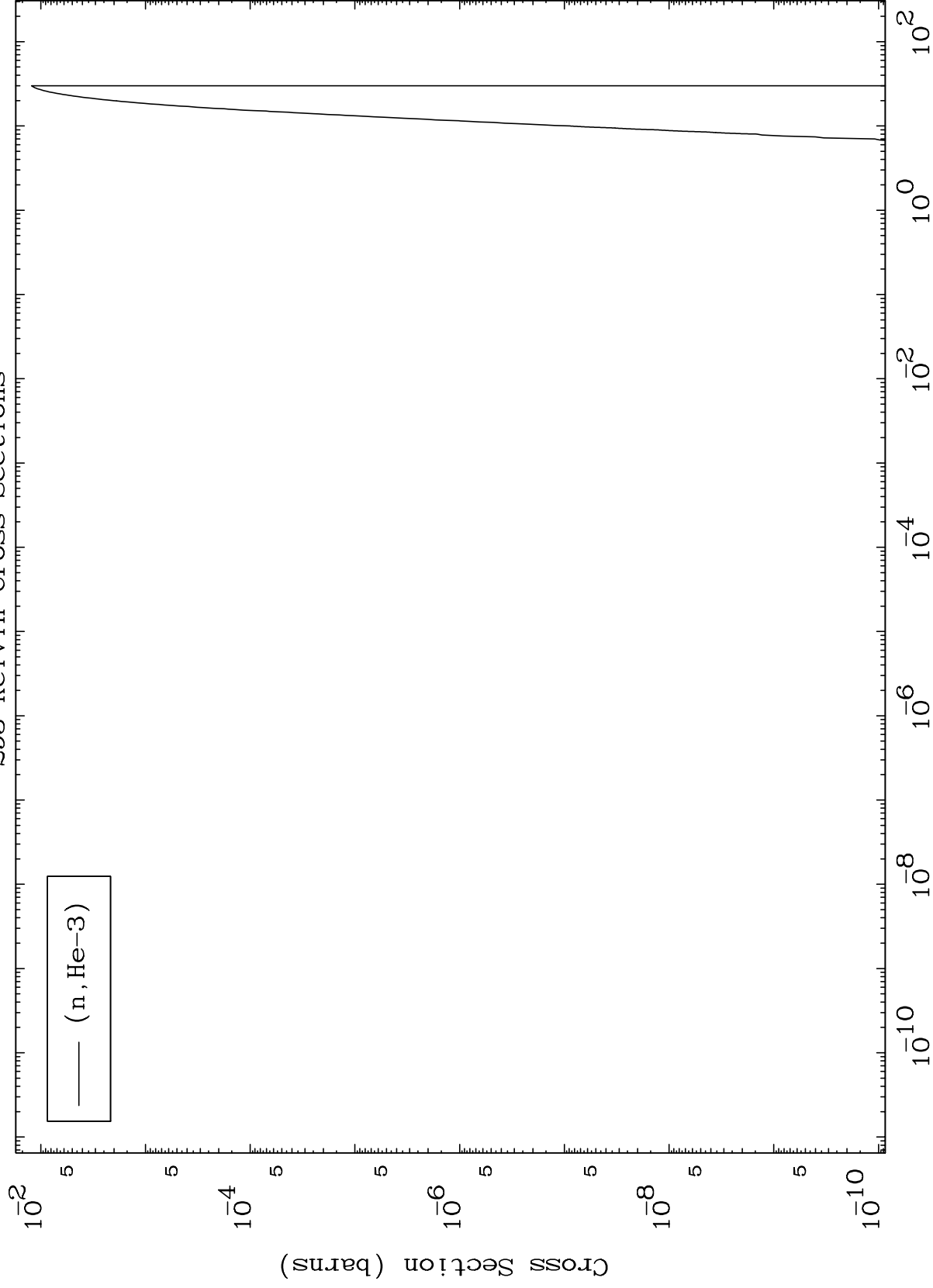
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-158



12

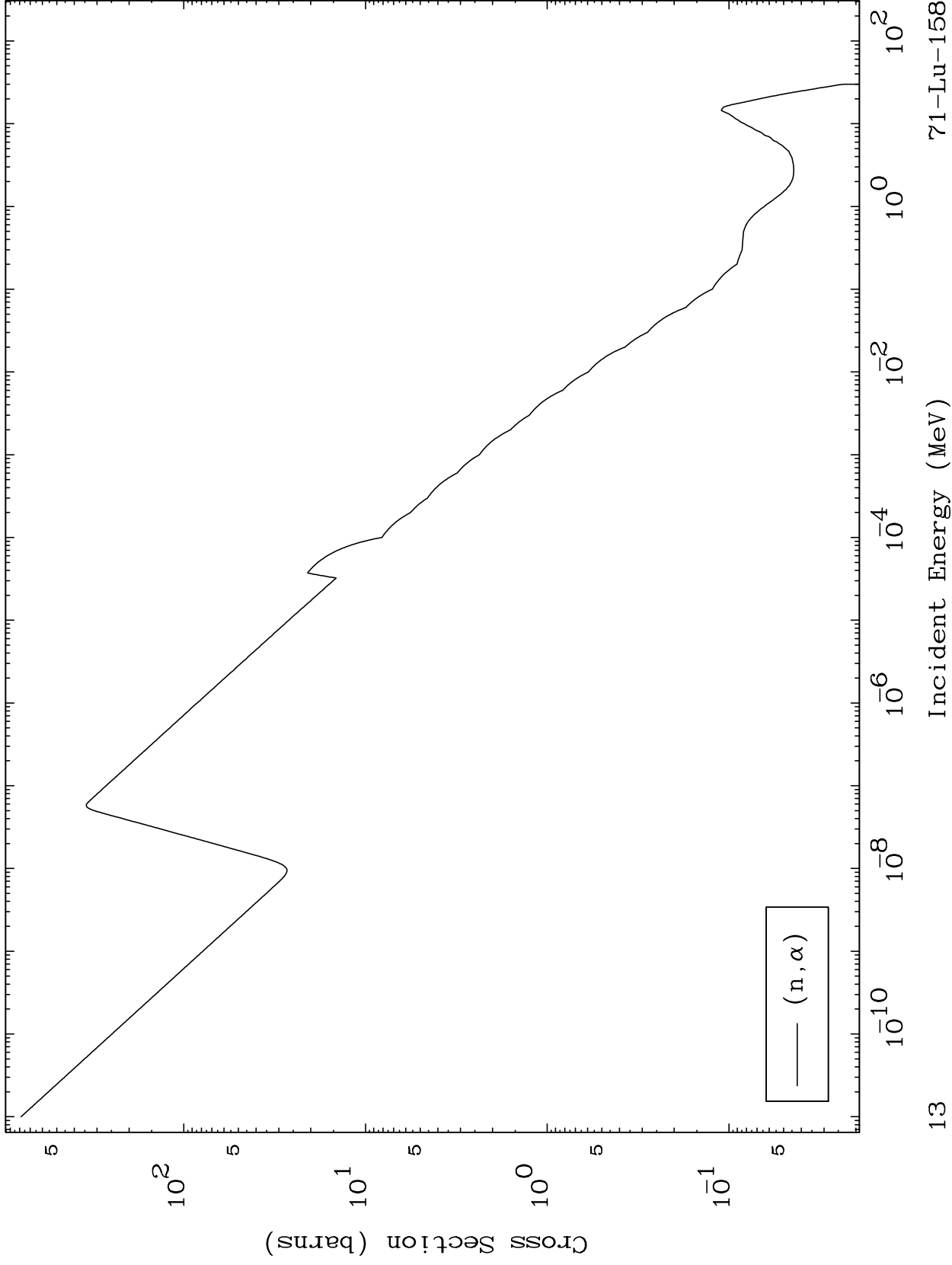
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,α) Levels  
293 Kelvin Cross Sections

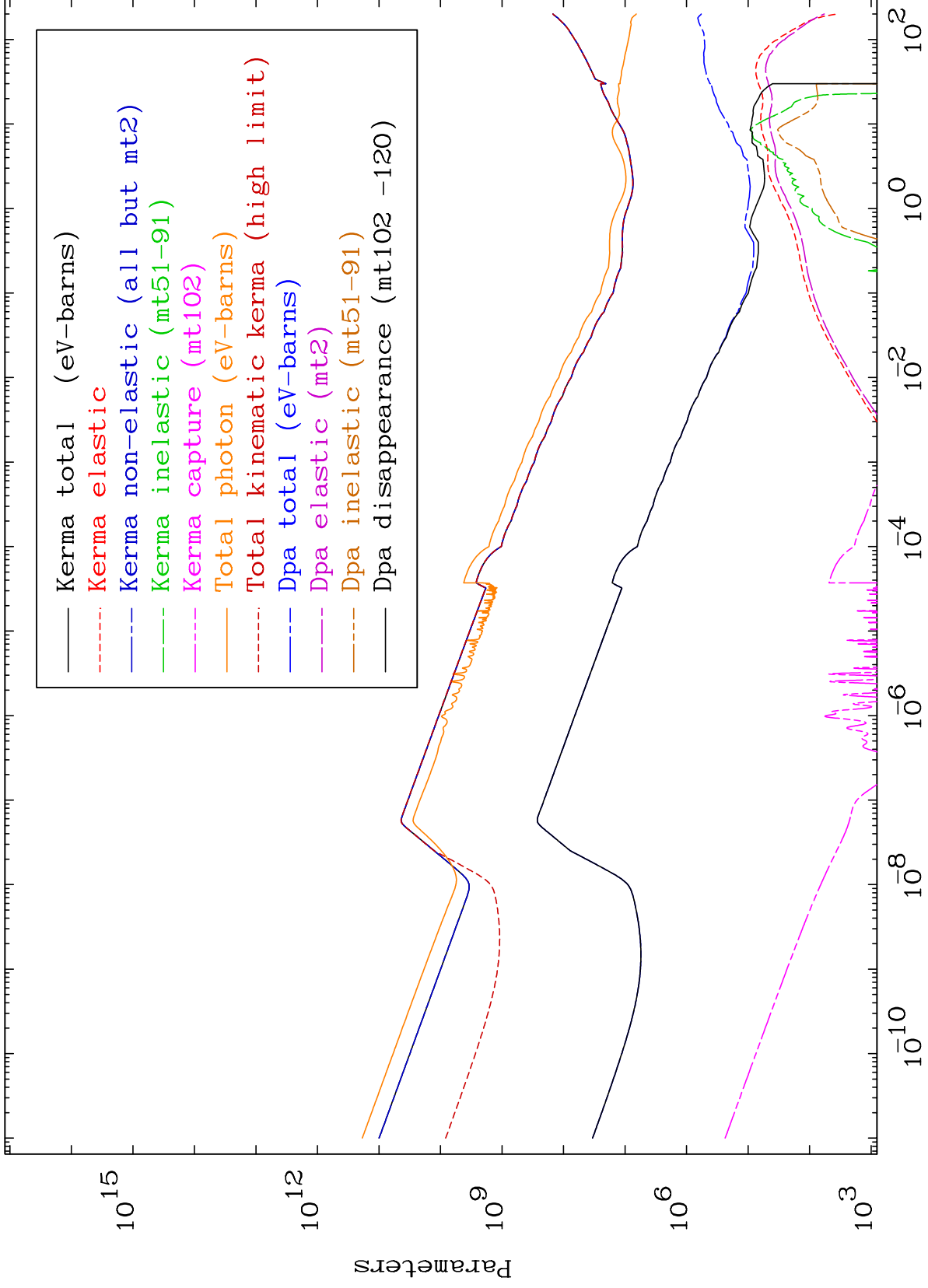
71-Lu-158

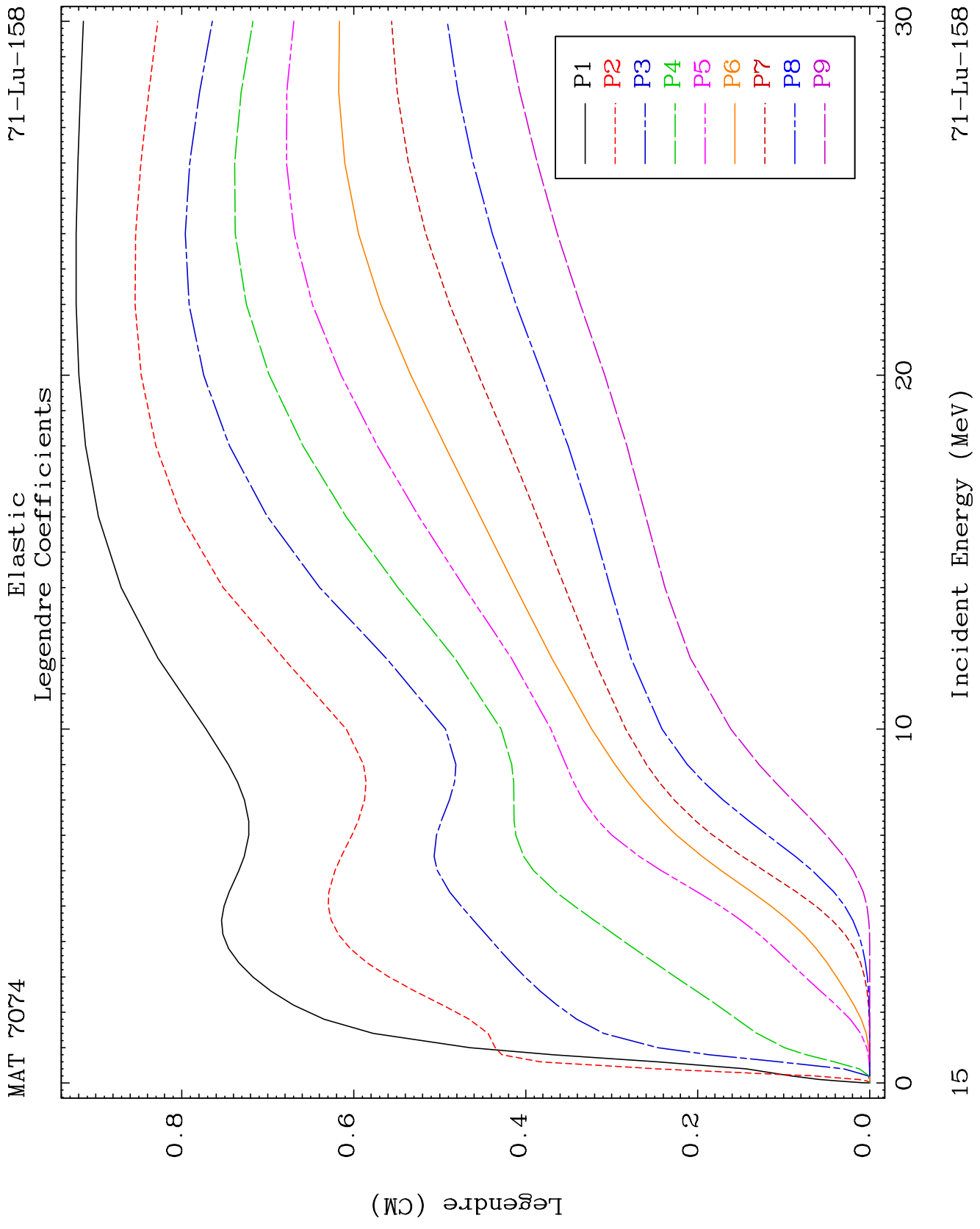


13

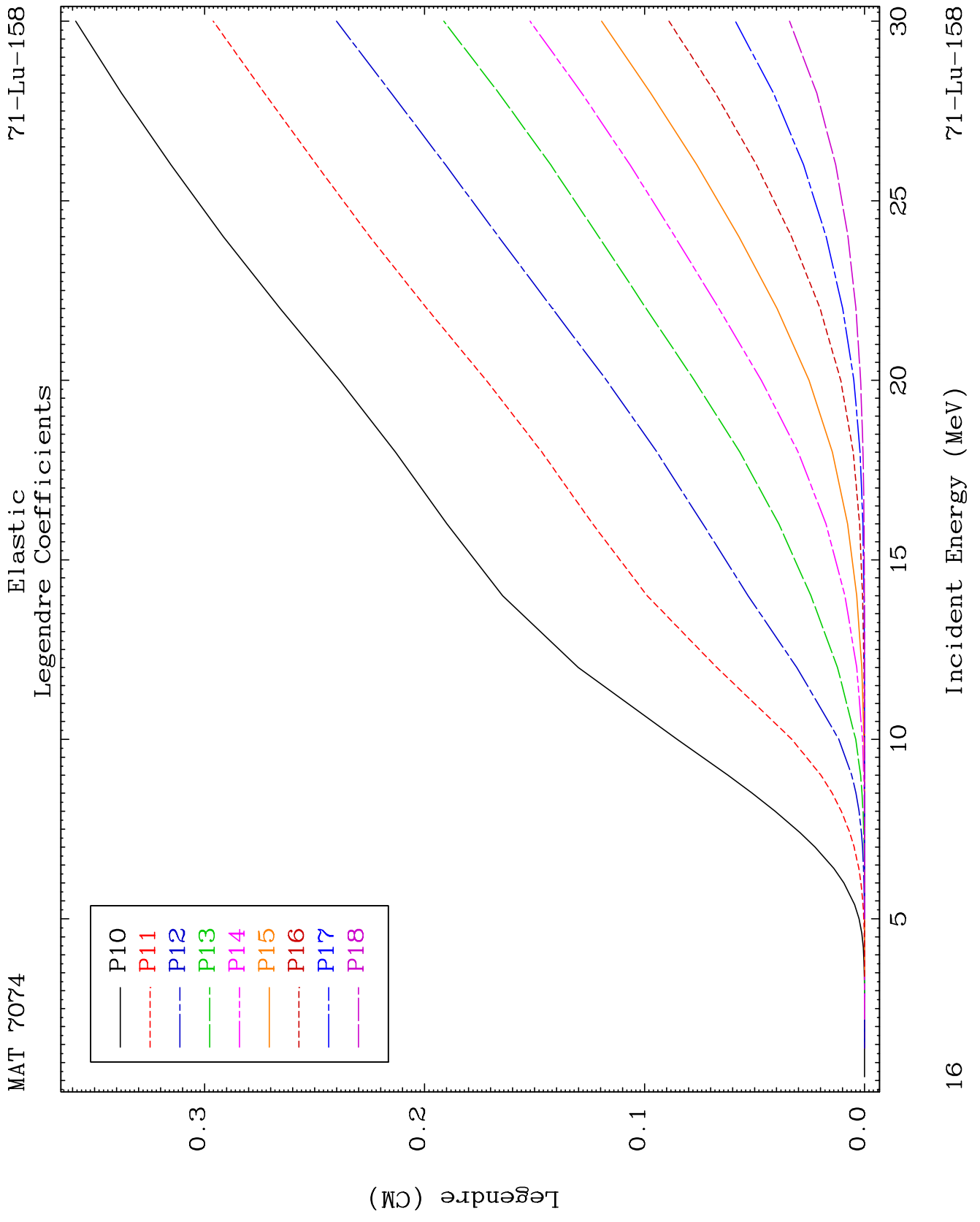
Incident Energy (MeV)

71-Lu-158





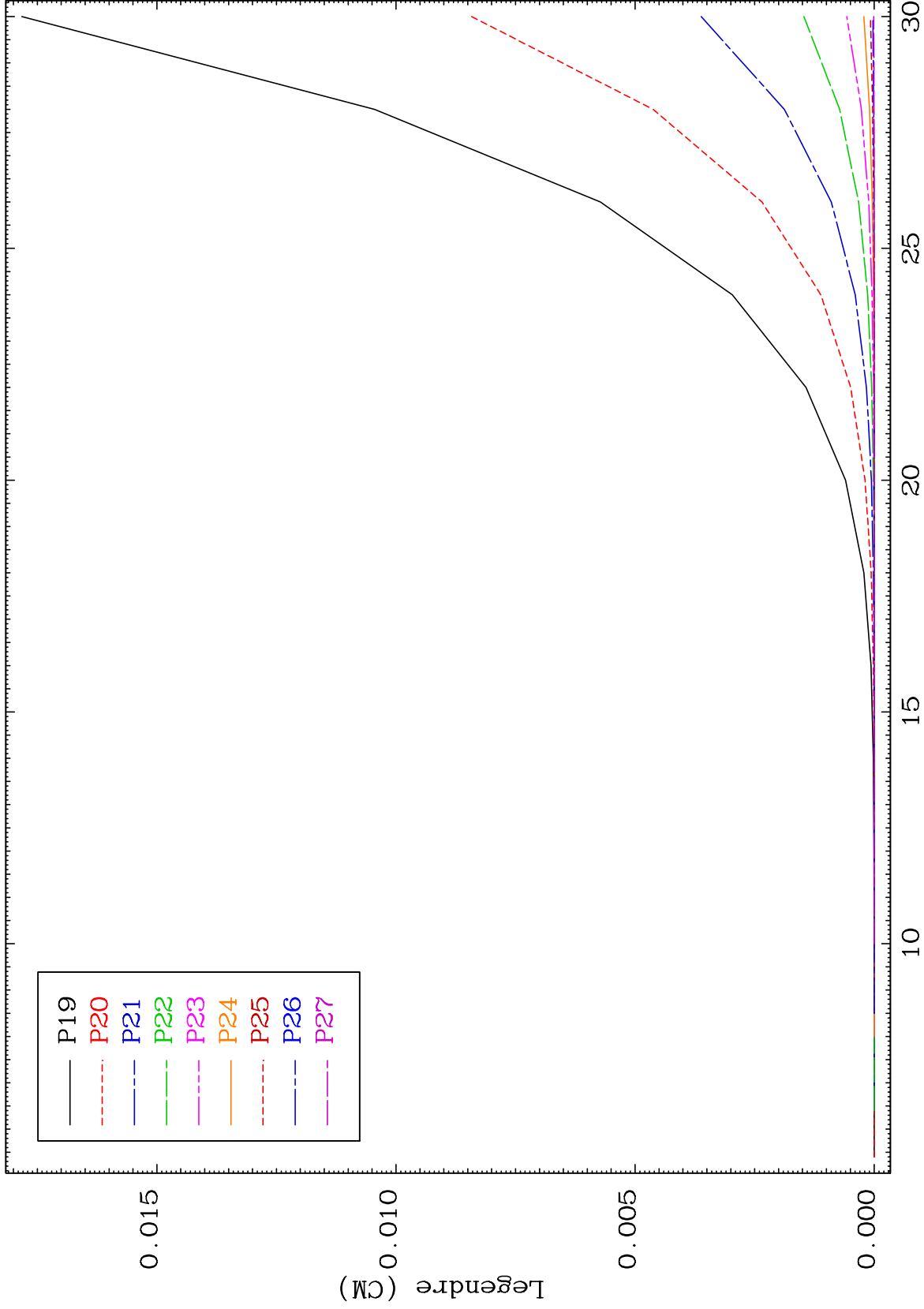




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### Elastic Legendre Coefficients

71-Lu-158



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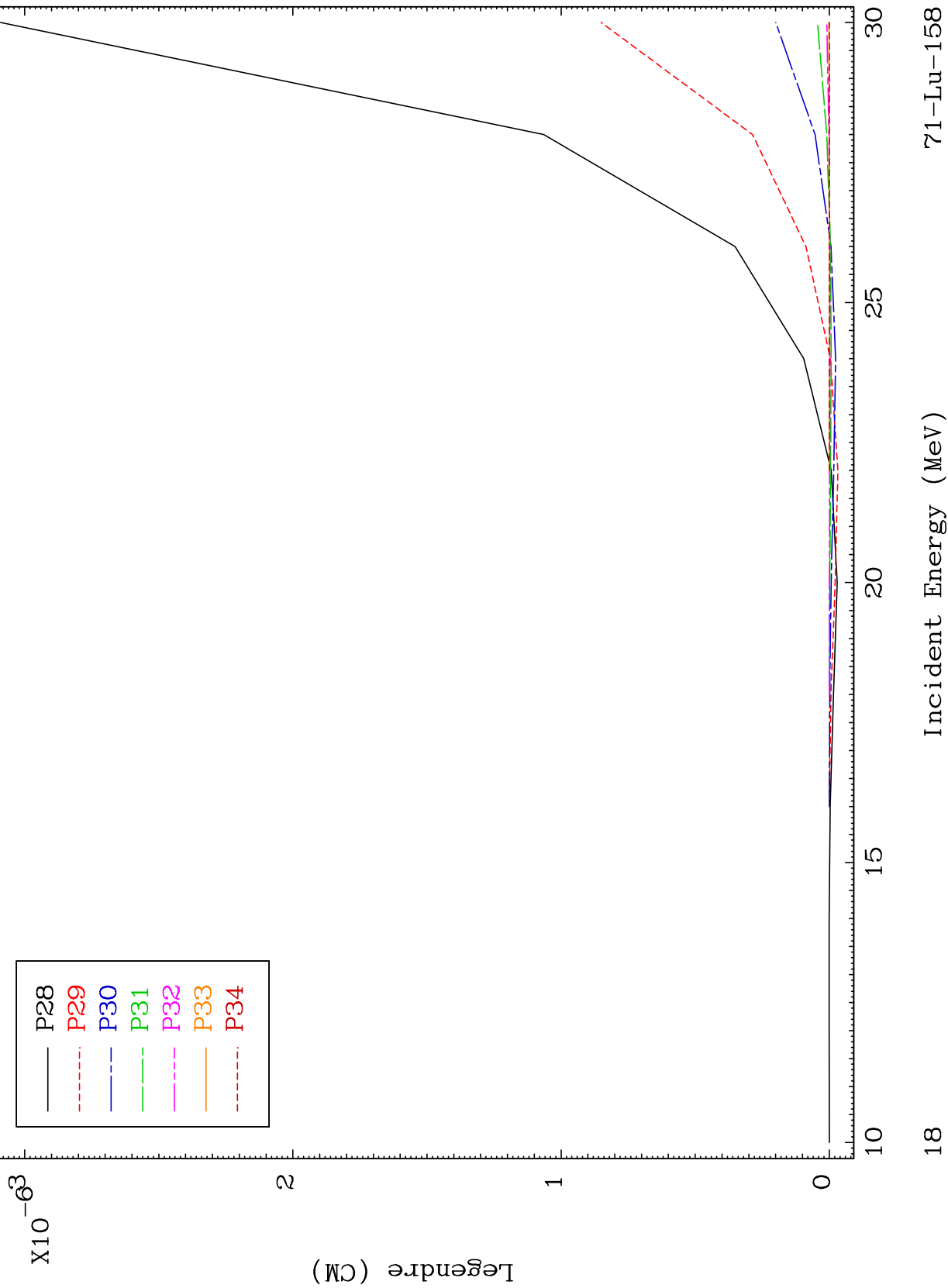
Incident Energy (MeV)

71-Lu-158

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Elastic Legendre Coefficients

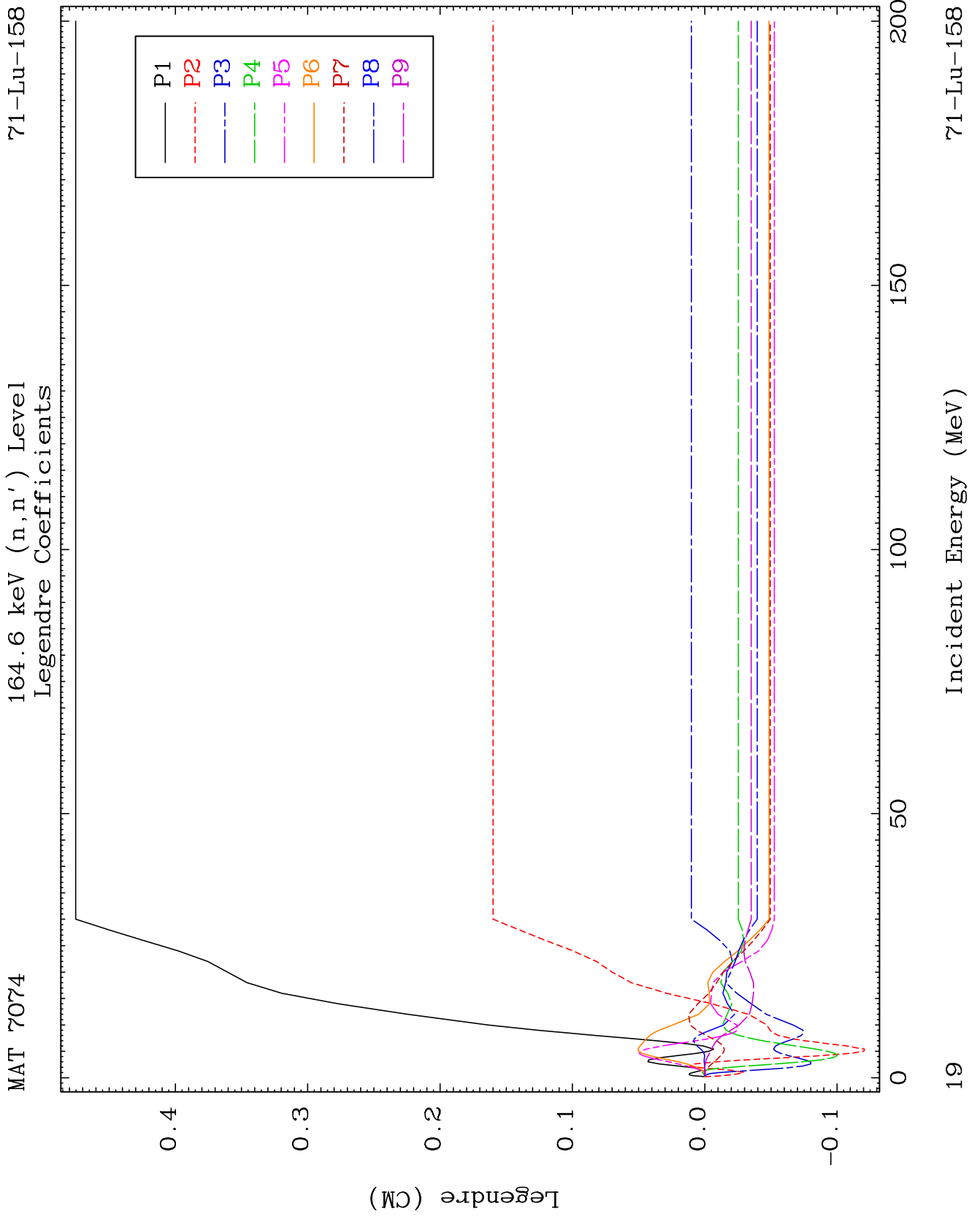
<sup>71</sup>Lu-158



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Incident Energy (MeV)

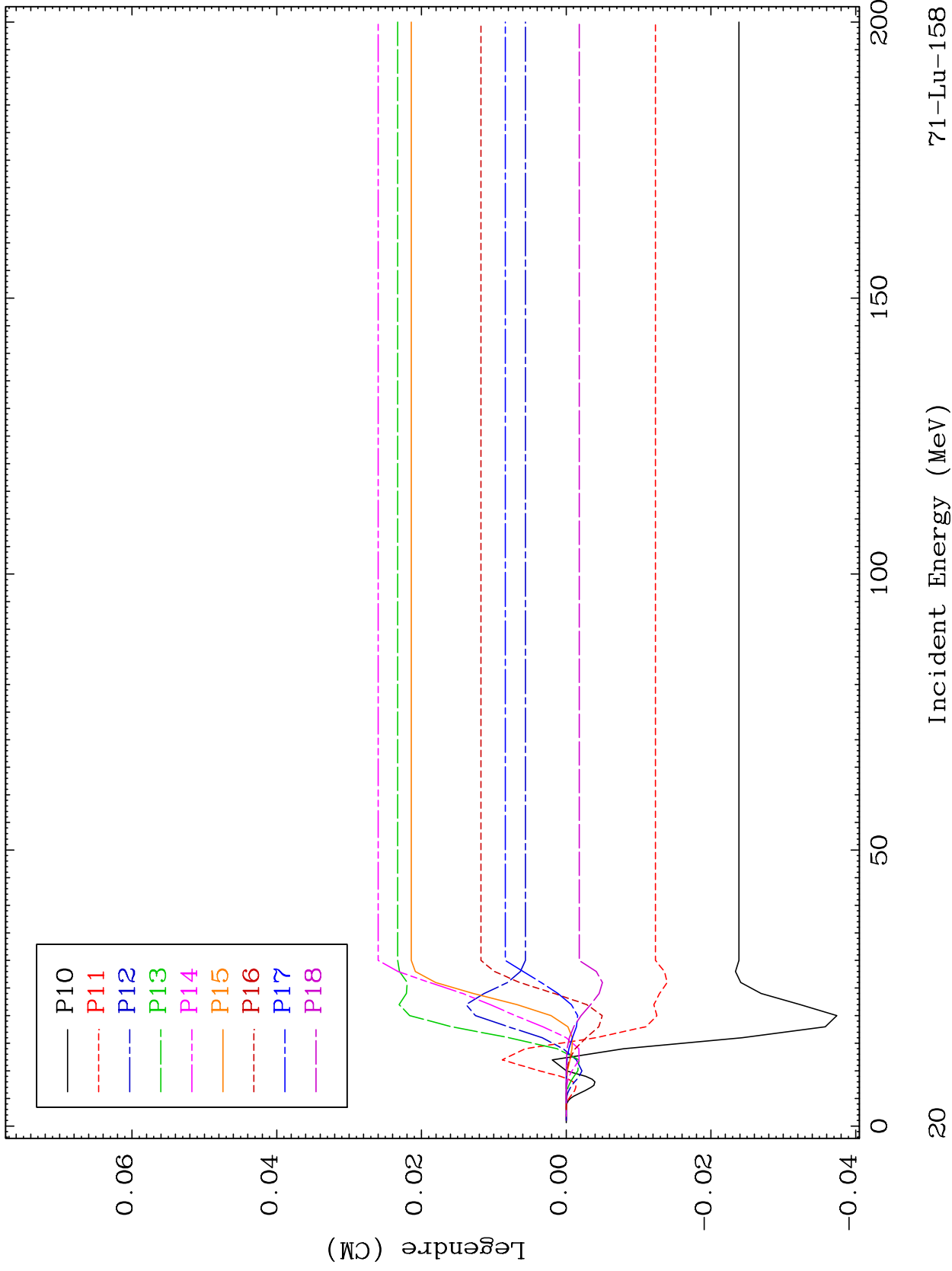
<sup>71</sup>Lu-158



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164.6 keV (n,n') Level  
Legendre Coefficients

71-Lu-158



71-Lu-158

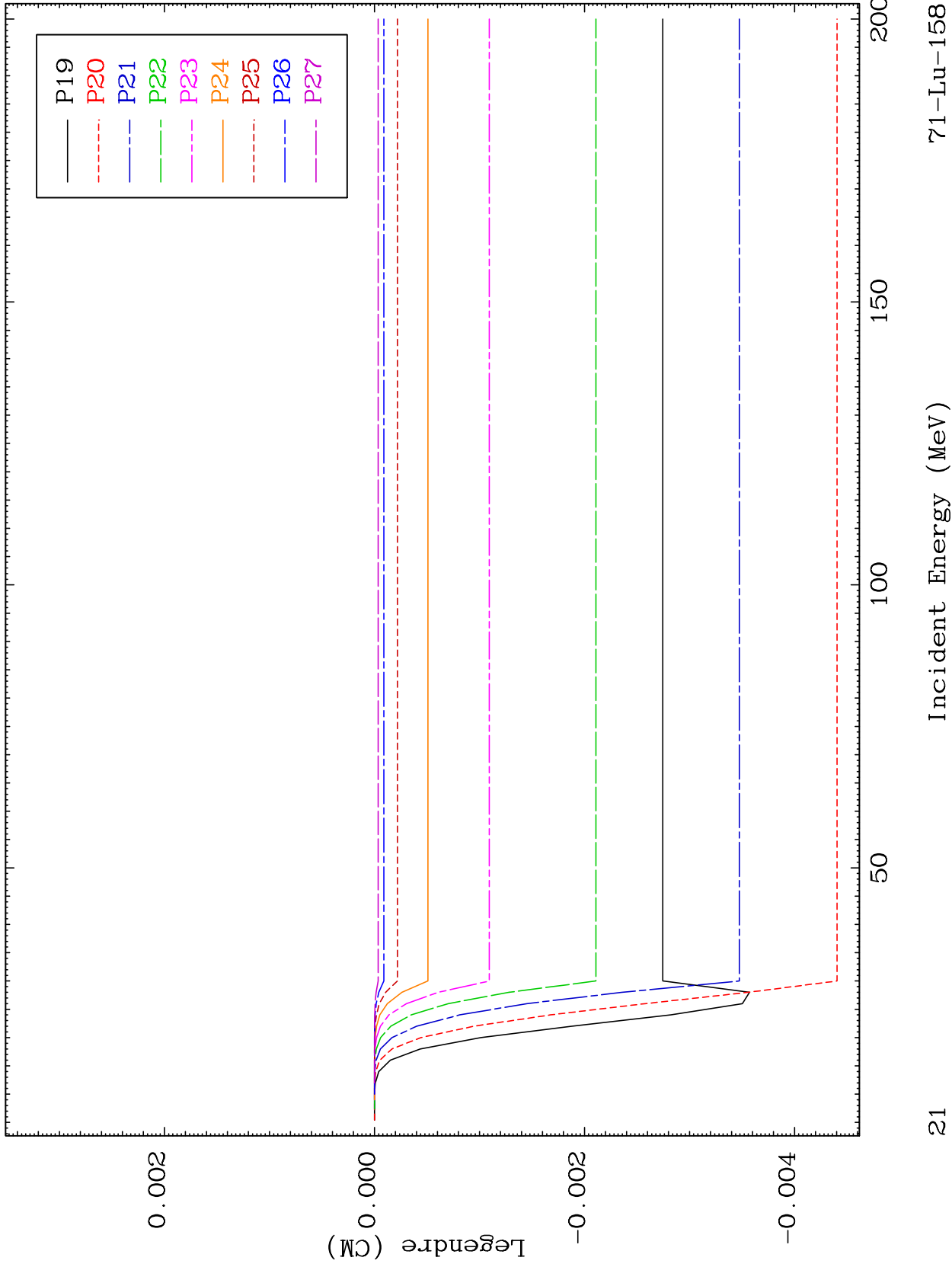
Incident Energy (MeV)

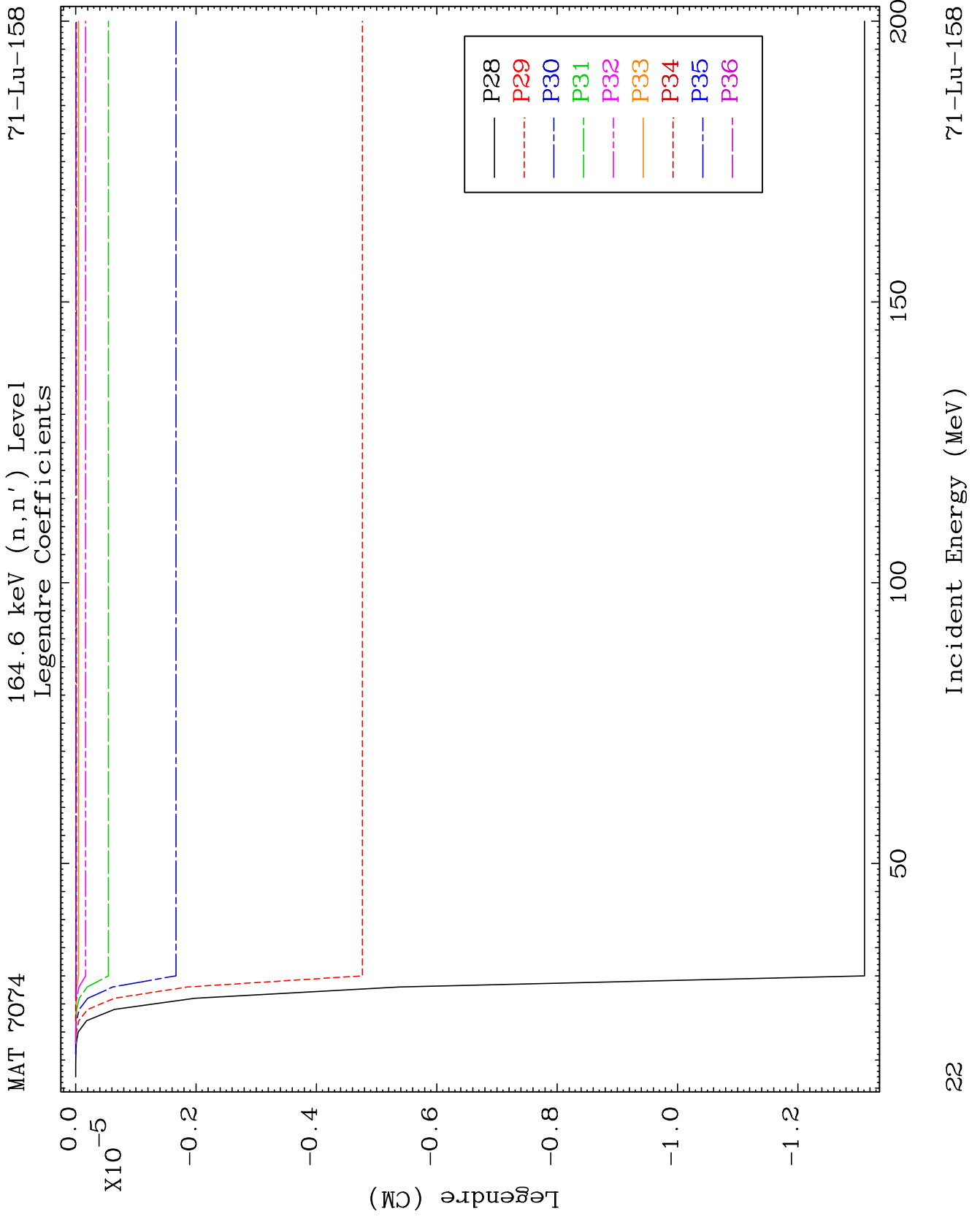
20

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164.6 keV (n,n') Level  
Legendre Coefficients

71-Lu-158

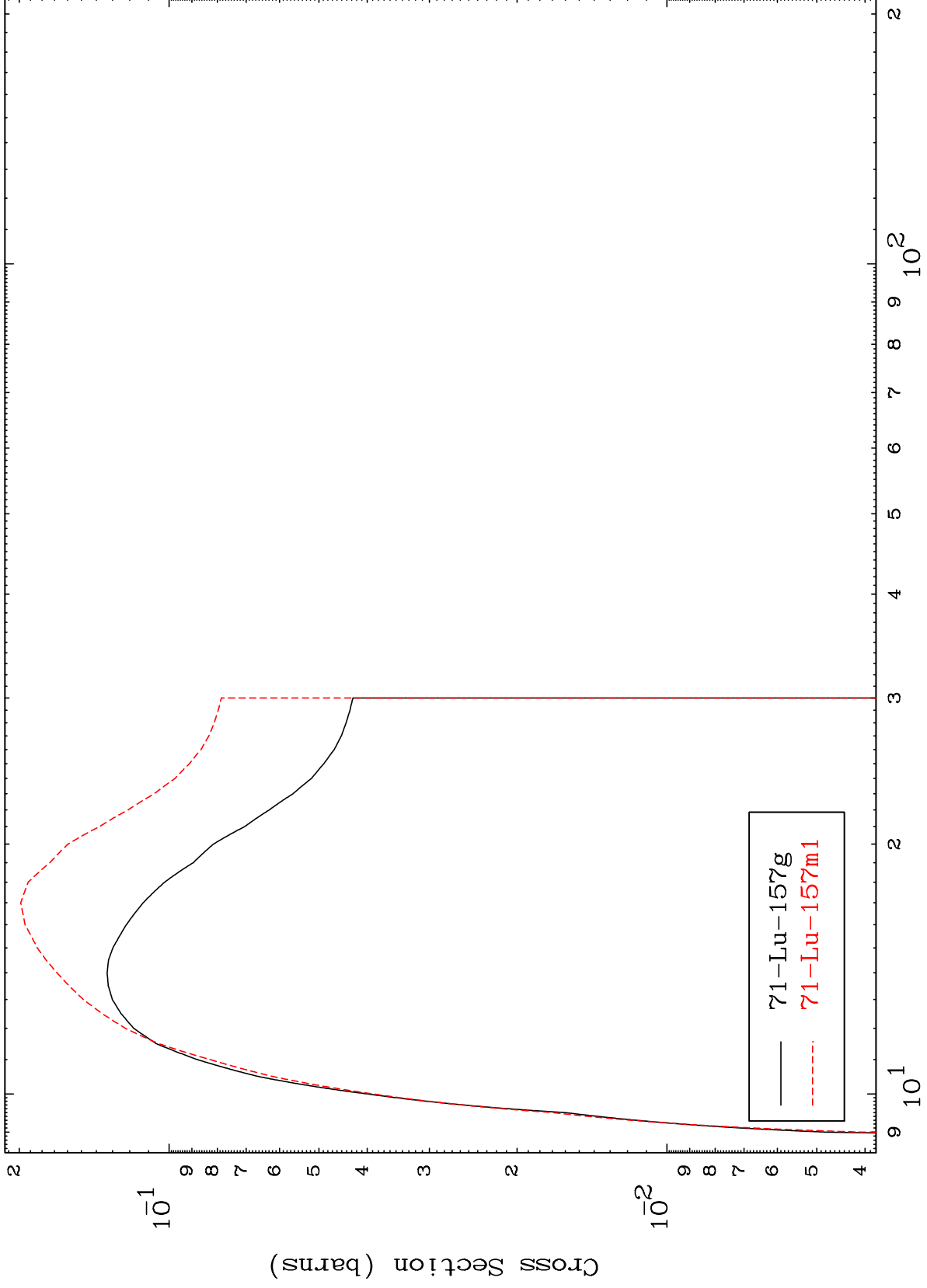




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71-Lu-158

(n,2n)  
Radionuclide Production Cross Section



23

Incident Energy (MeV)

71-Lu-158

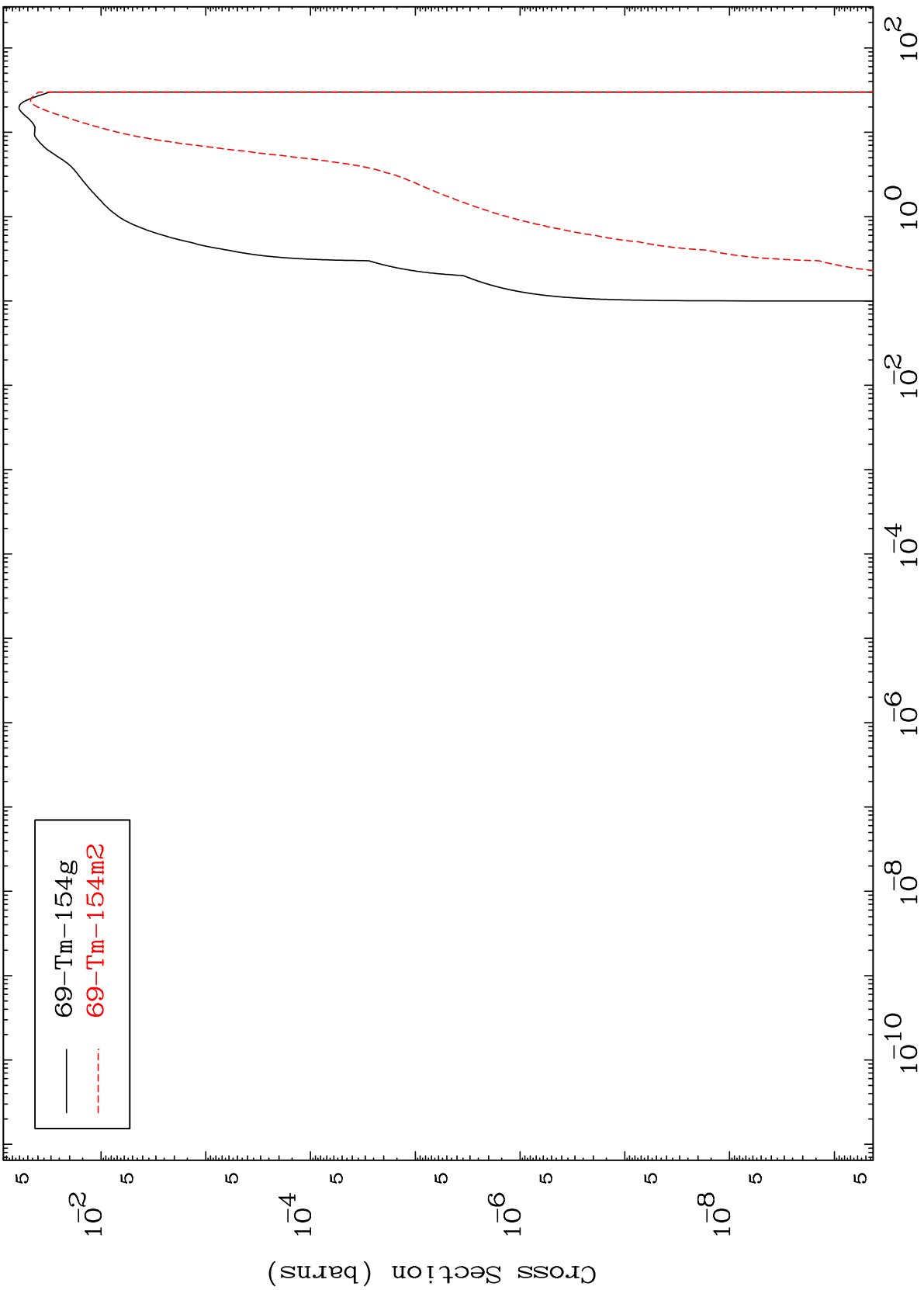


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$(n, n') \alpha$

71-Lu-158

Radionuclide Production Cross Section

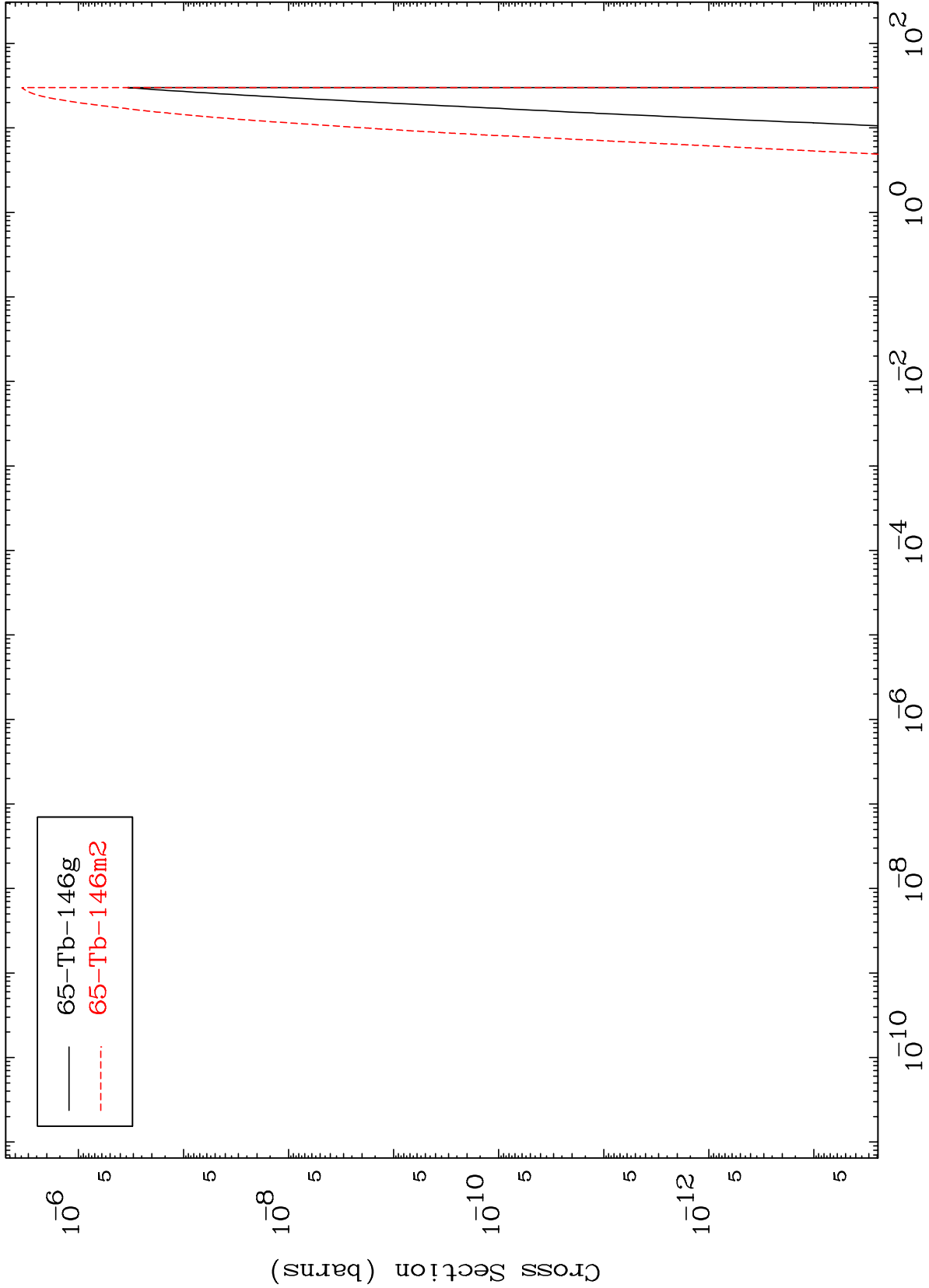


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(n,n') 3 $\alpha$

<sup>71</sup>Lu-158

Radionuclide Production Cross Section

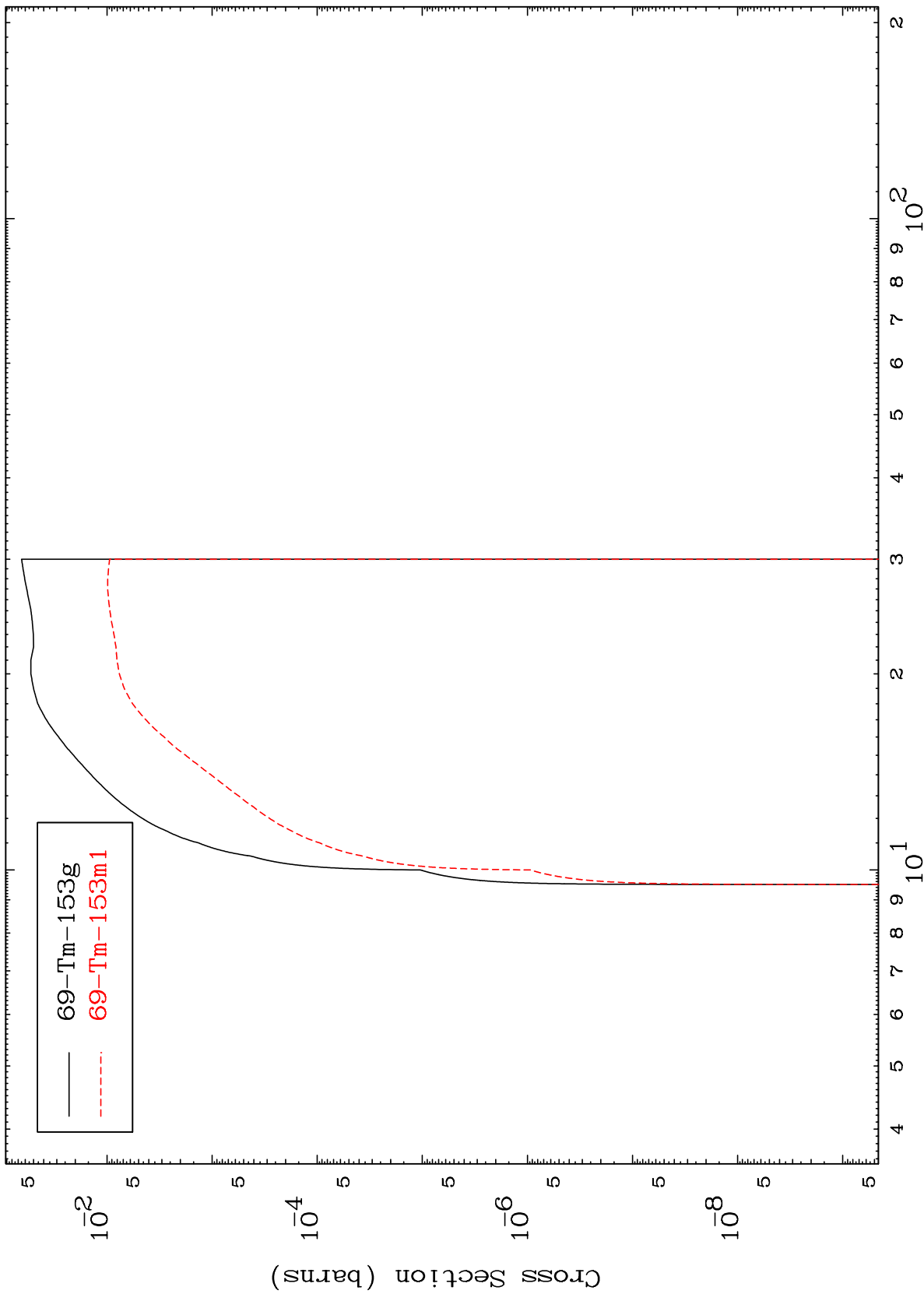


MAT 7074

$(n,2n) \alpha$

$^{71}\text{Lu-158}$

Radionuclide Production Cross Section



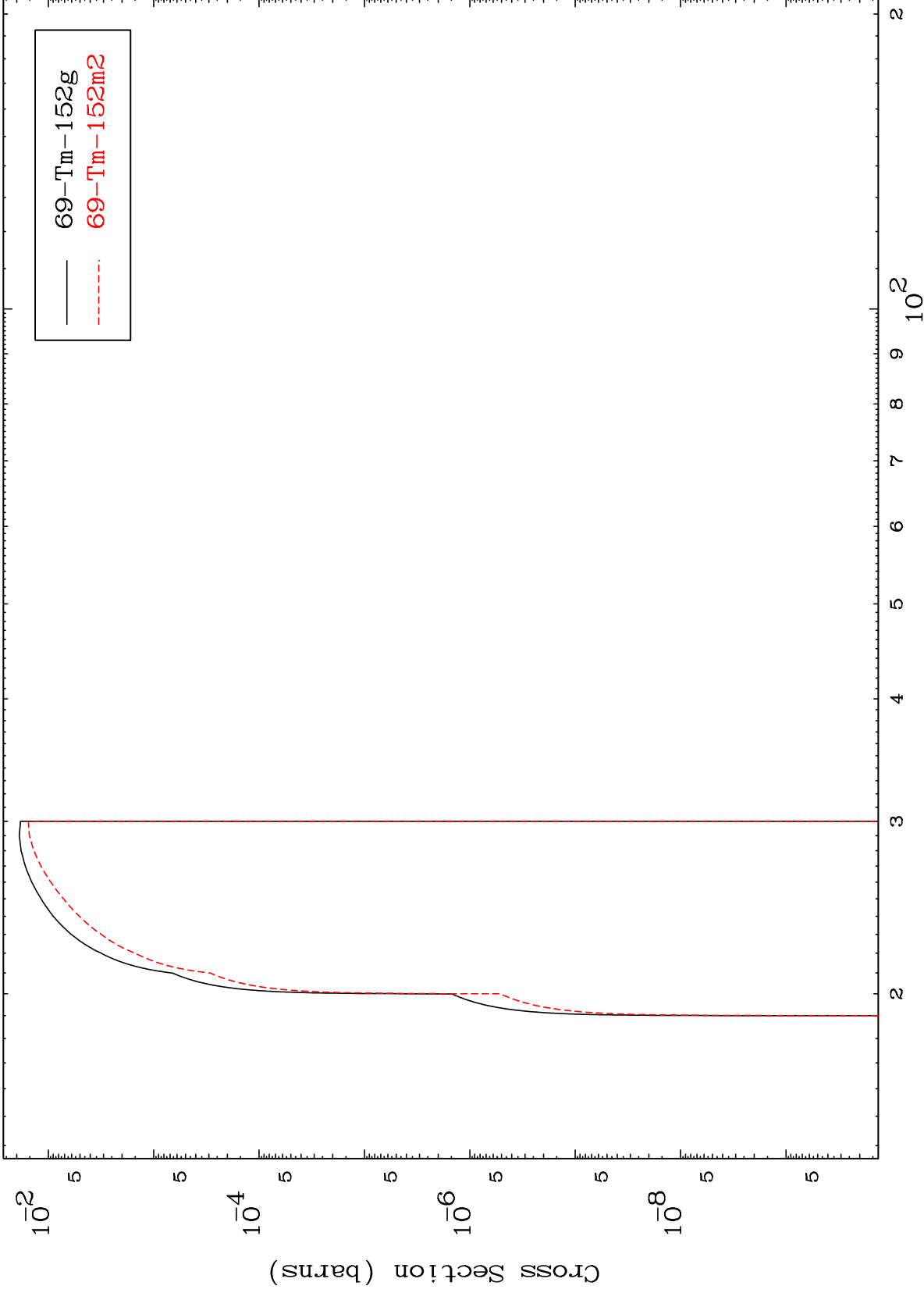
—  $^{69}\text{Tm-153g}$   
- - -  $^{69}\text{Tm-153m1}$

26

Incident Energy (MeV)

$^{71}\text{Lu-158}$

Radionuclide Production Cross Section

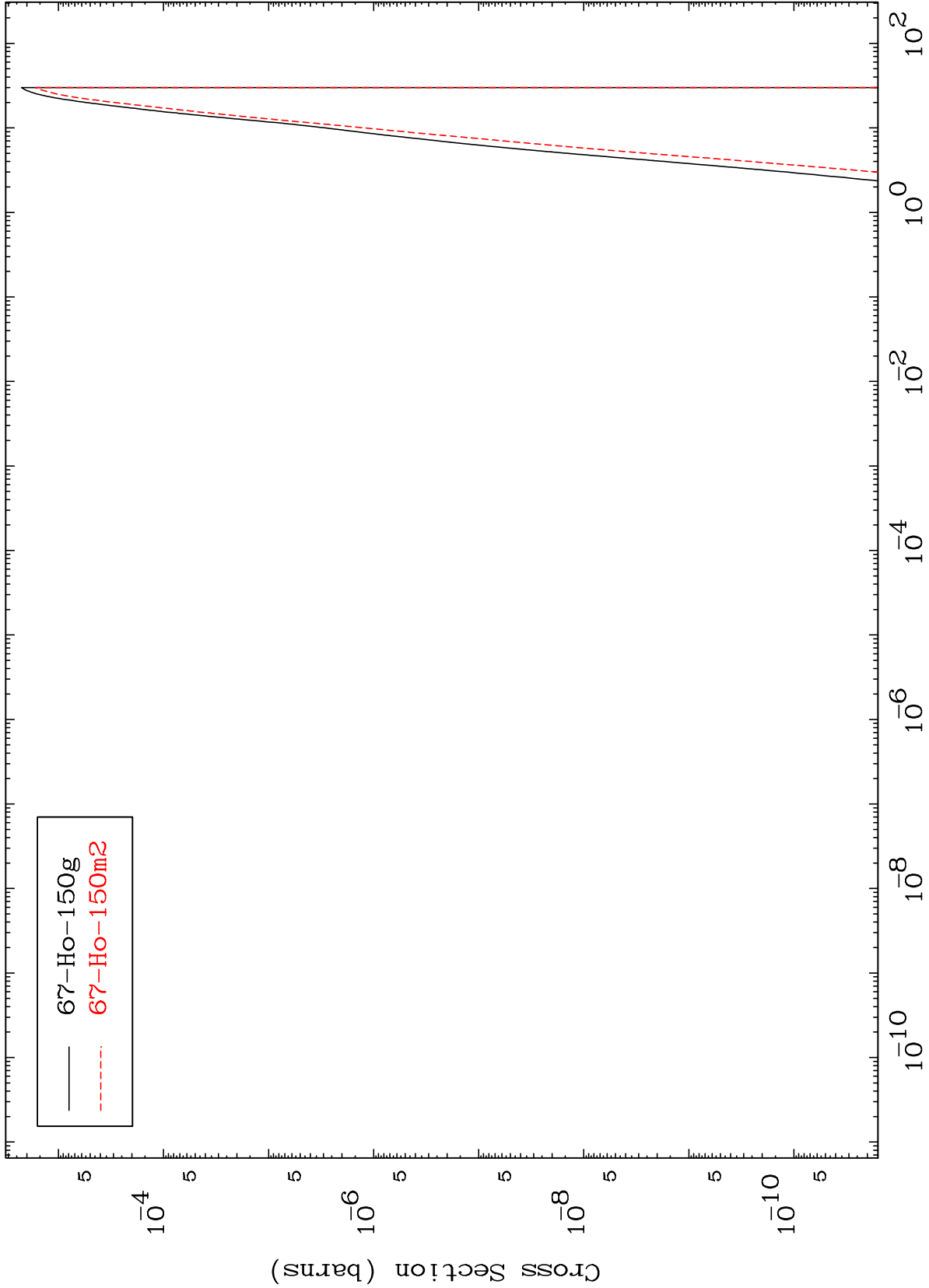


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(n,n') 2α

71-Lu-158

Radionuclide Production Cross Section

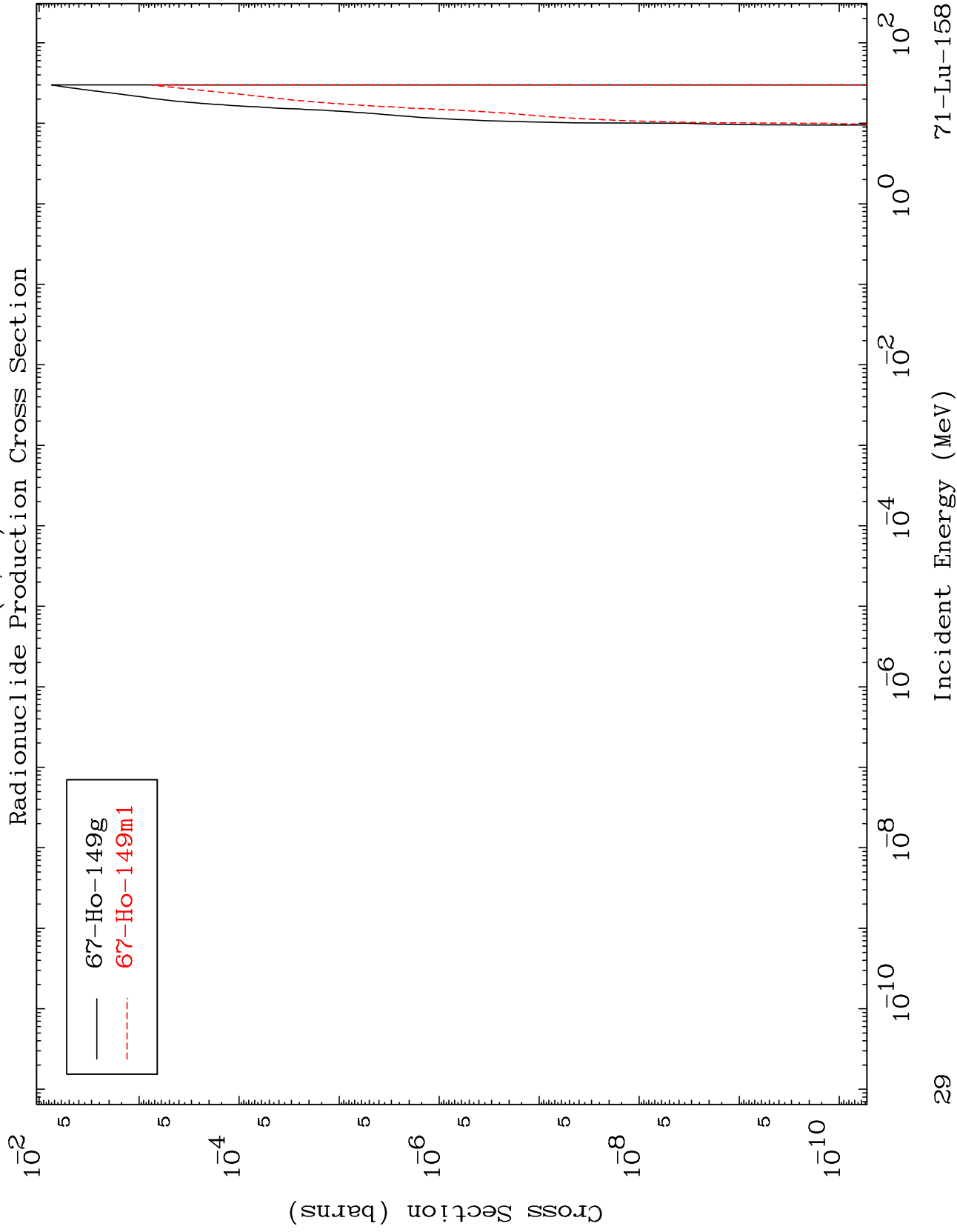


MAT 7074

(n,2n) 2α

71-Lu-158

Radionuclide Production Cross Section



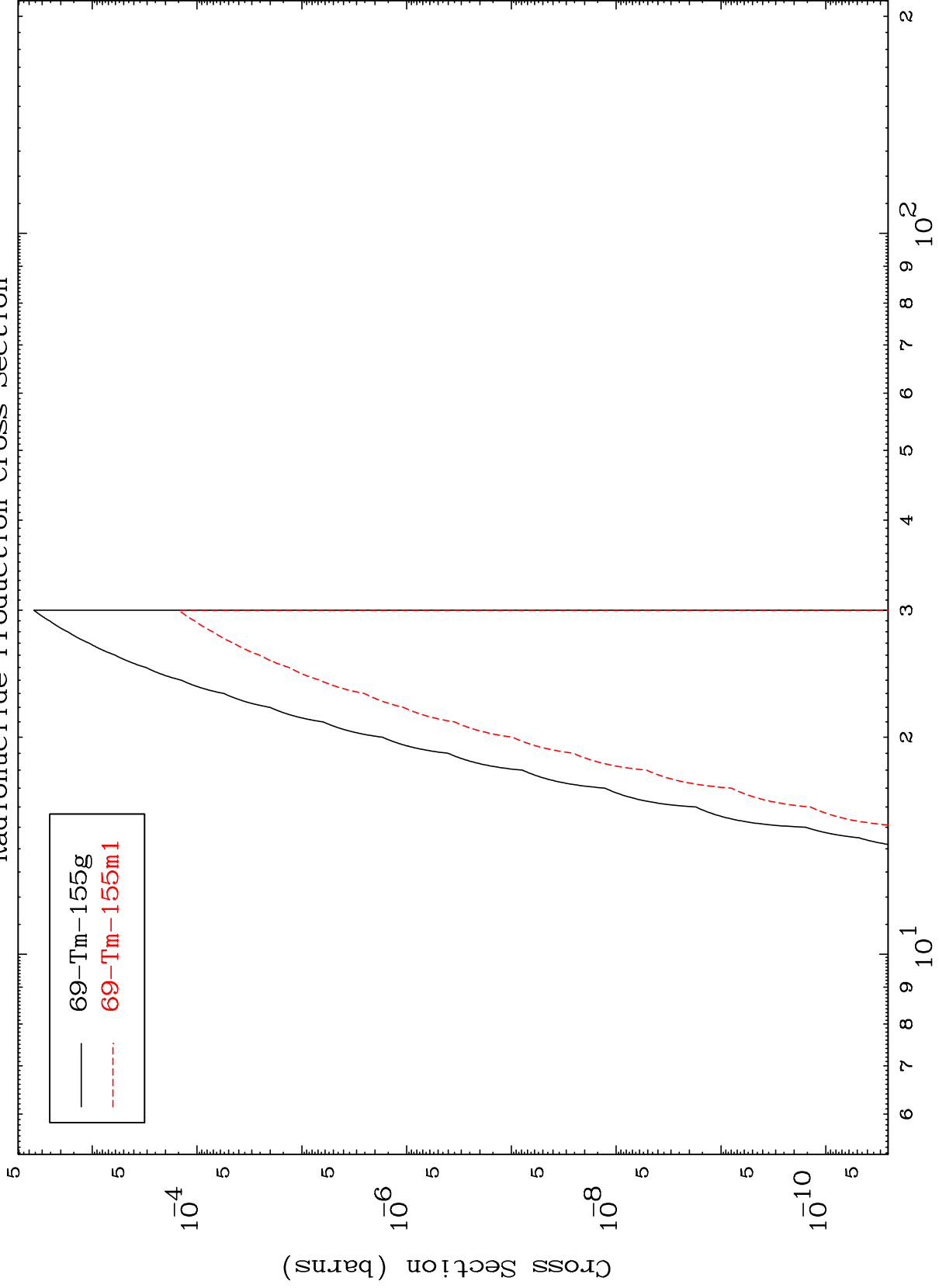
67Ho-149g  
67Ho-149m1

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(n, n') He-3

71-Lu-158

Radionuclide Production Cross Section



30

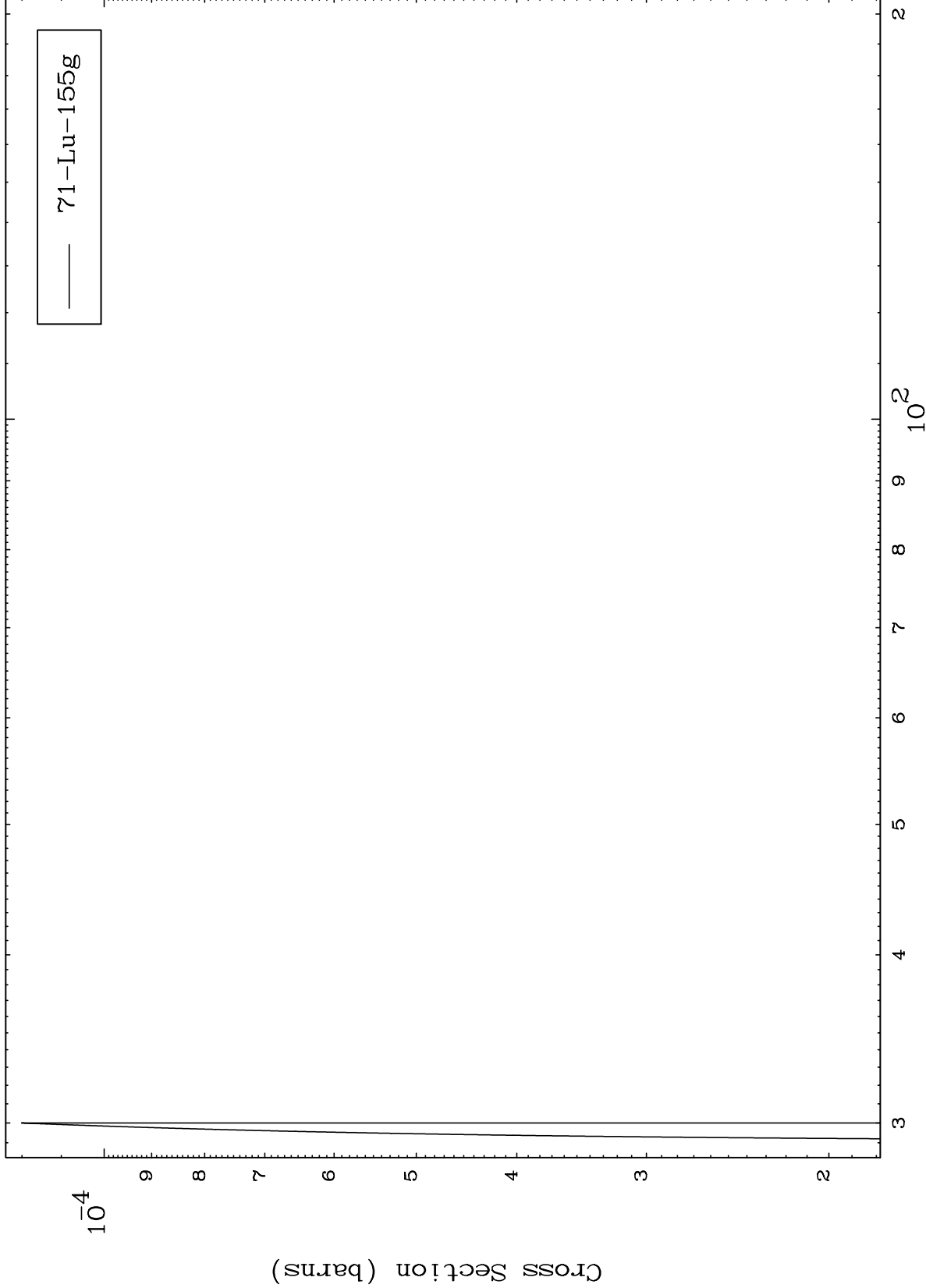
Incident Energy (MeV)

71-Lu-158

MAT 7074

71-Lu-158

(n,4n)  
Radionuclide Production Cross Section



31

71-Lu-158

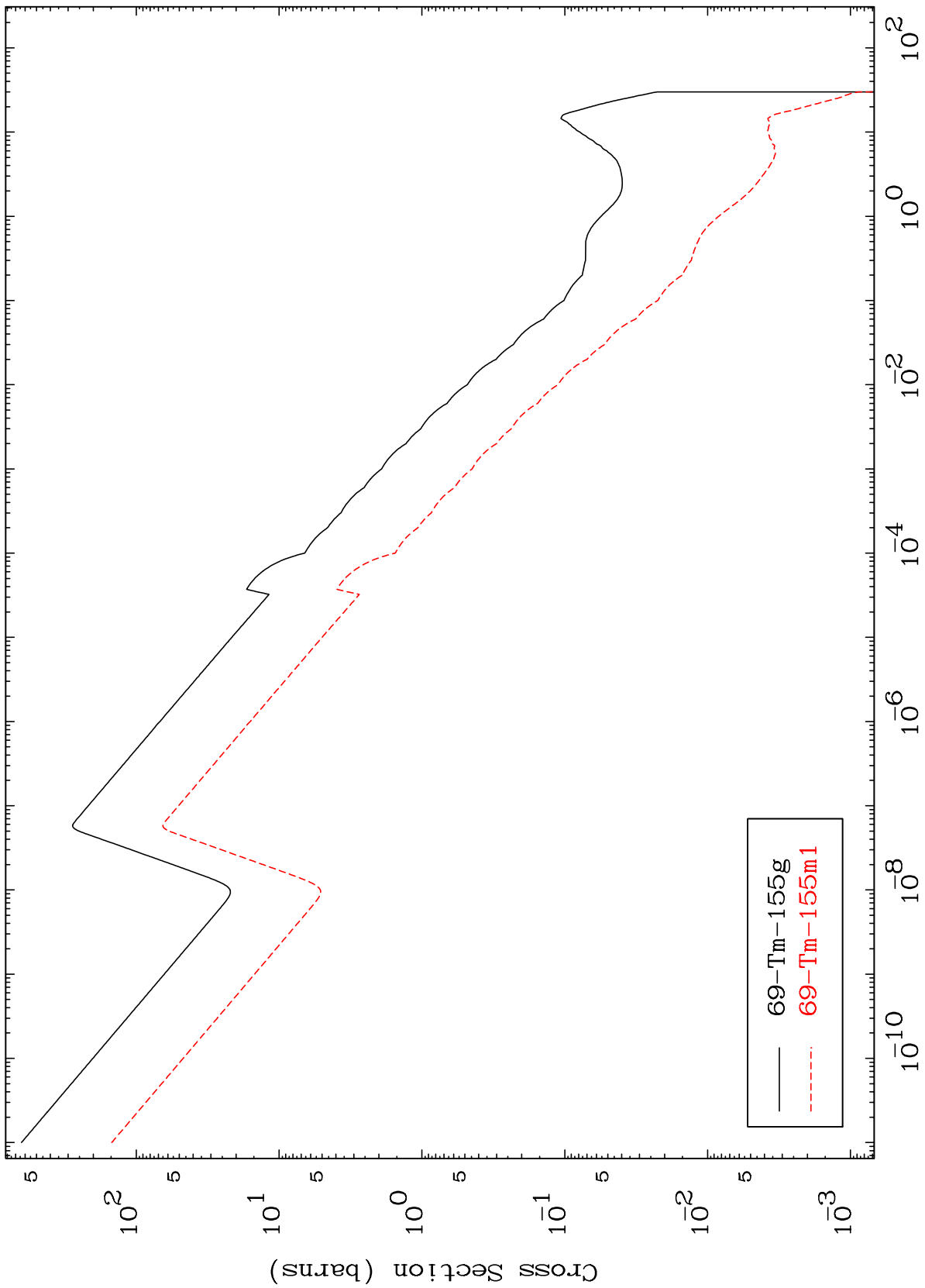


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71-Lu-158

Radionuclide Production Cross Section

(n,  $\alpha$ )



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

71-Lu-158

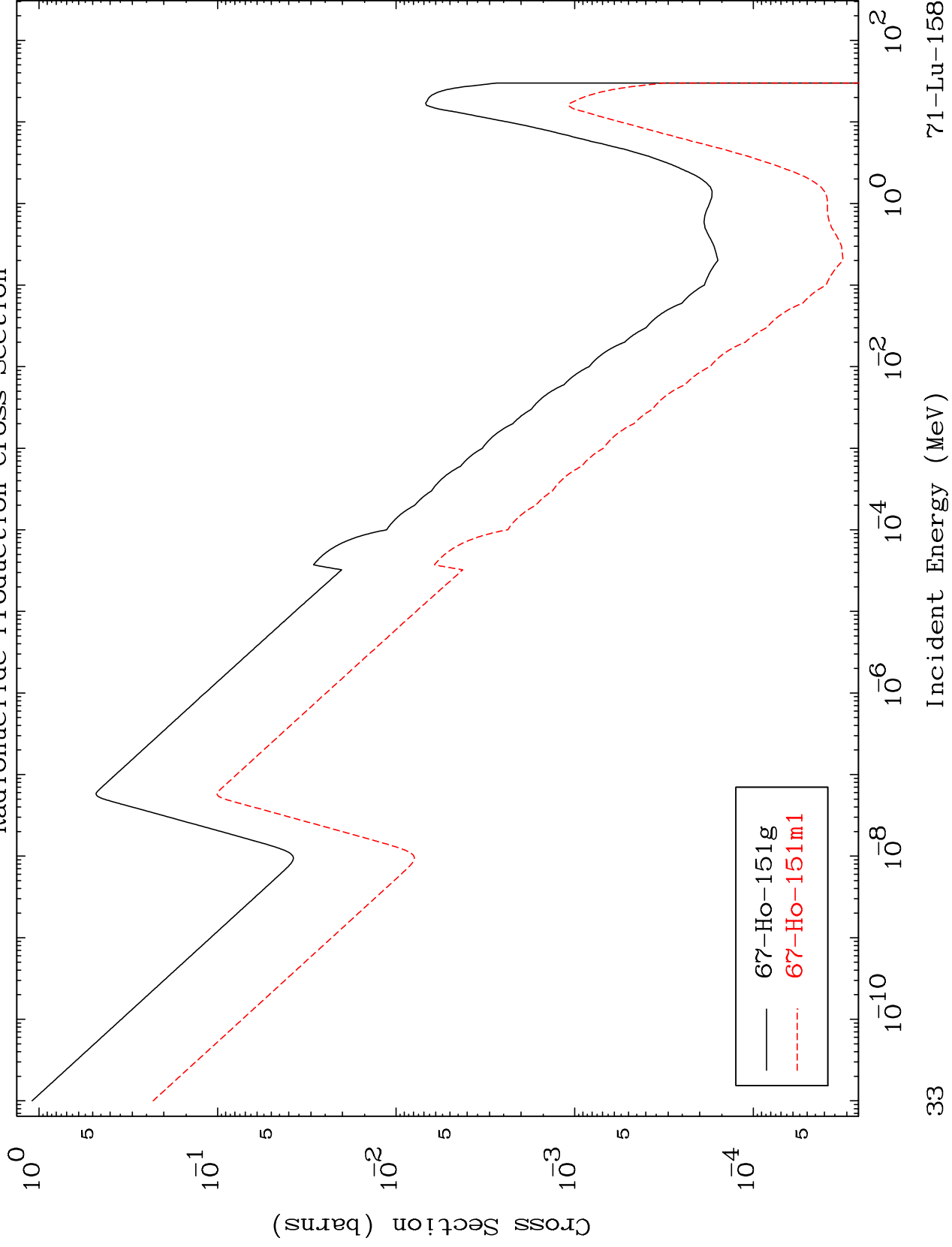
Incident Energy (MeV)

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(n,2α)

71-Lu-158

Radionuclide Production Cross Section

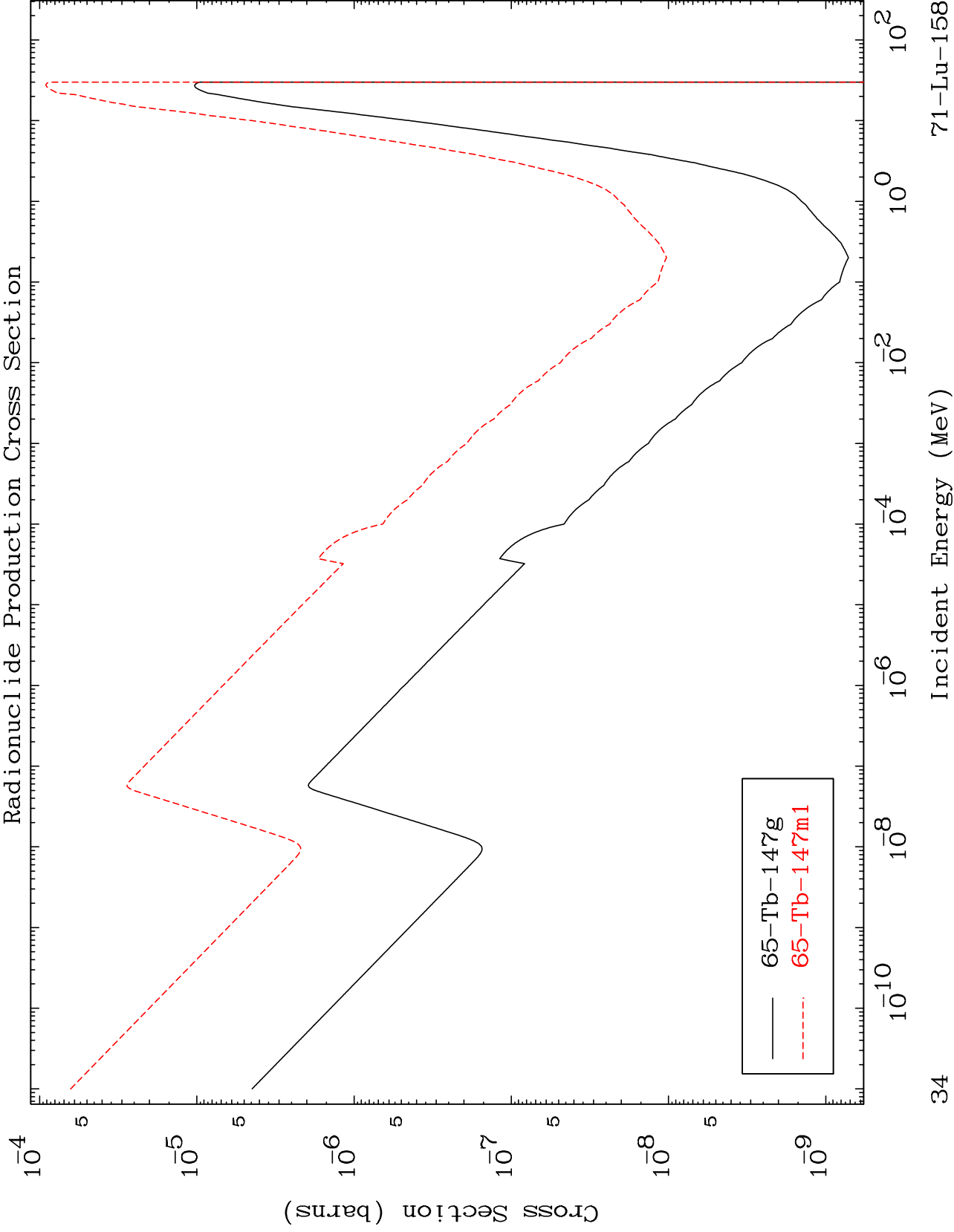


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(n, 3 $\alpha$ )

71-Lu-158

Radionuclide Production Cross Section

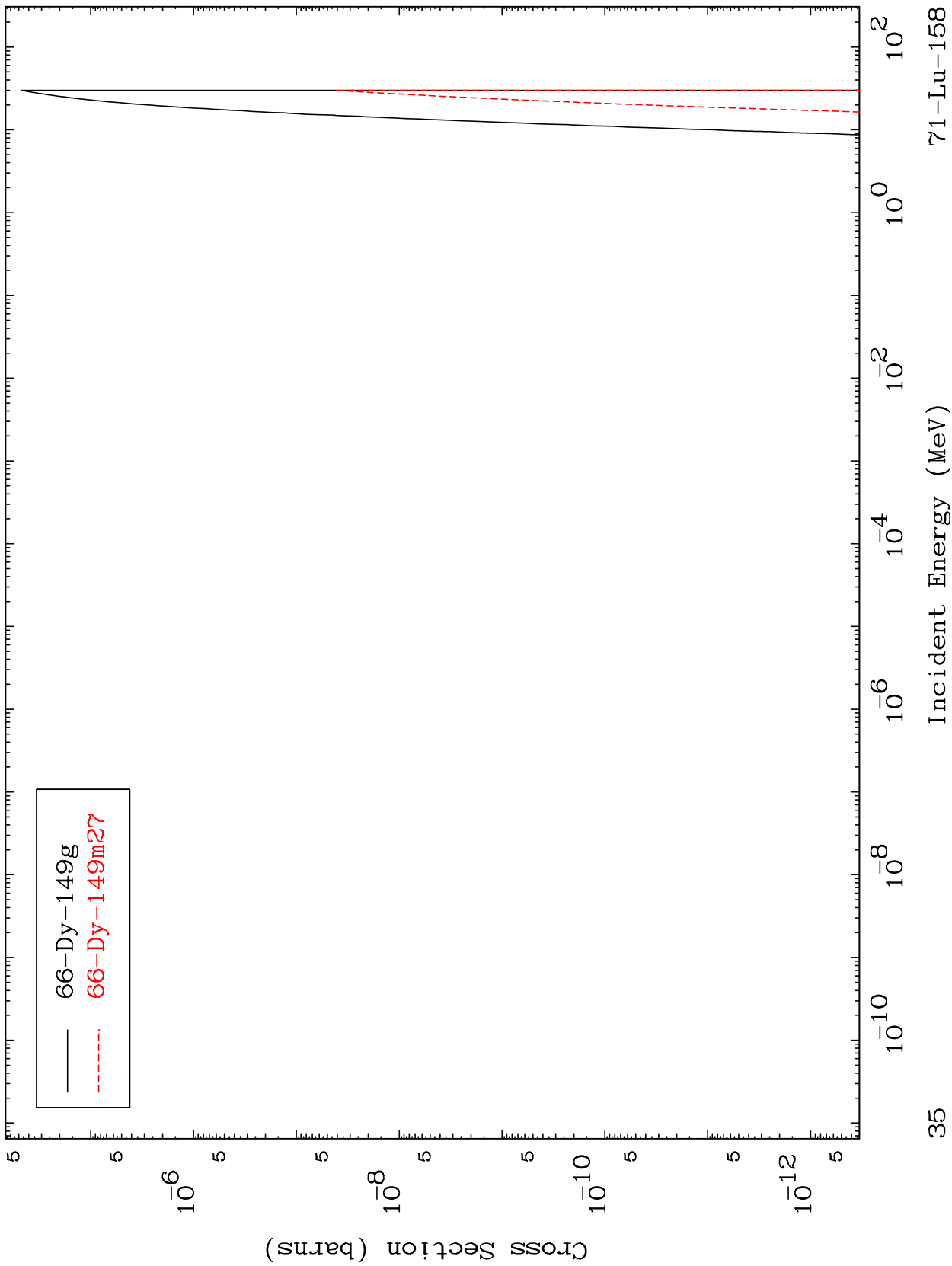


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(n,d) 2 $\alpha$

<sup>71</sup>Lu-158

Radionuclide Production Cross Section

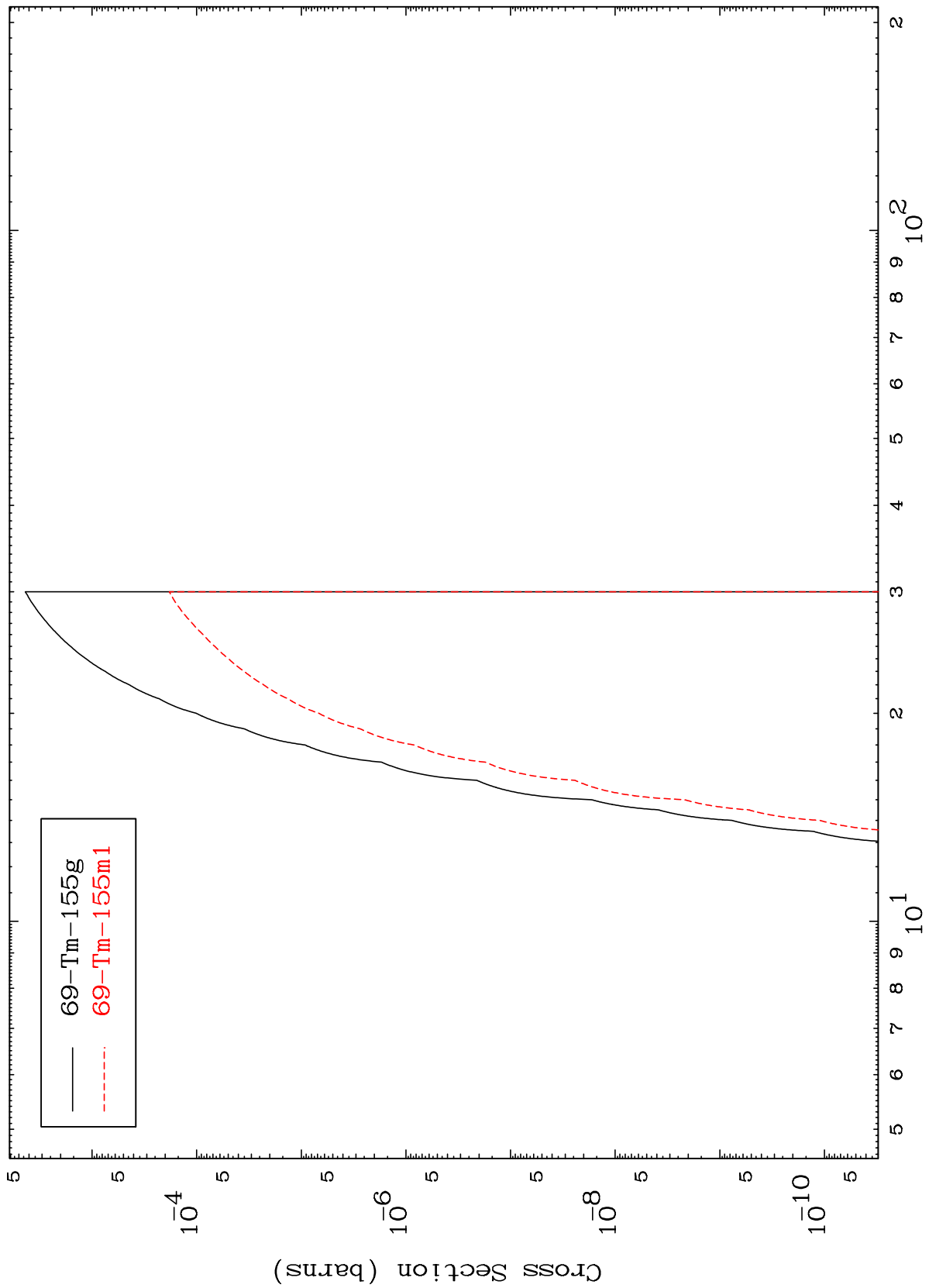


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(n,p) t

71-Lu-158

Radionuclide Production Cross Section



36

Incident Energy (MeV)

71-Lu-158