

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

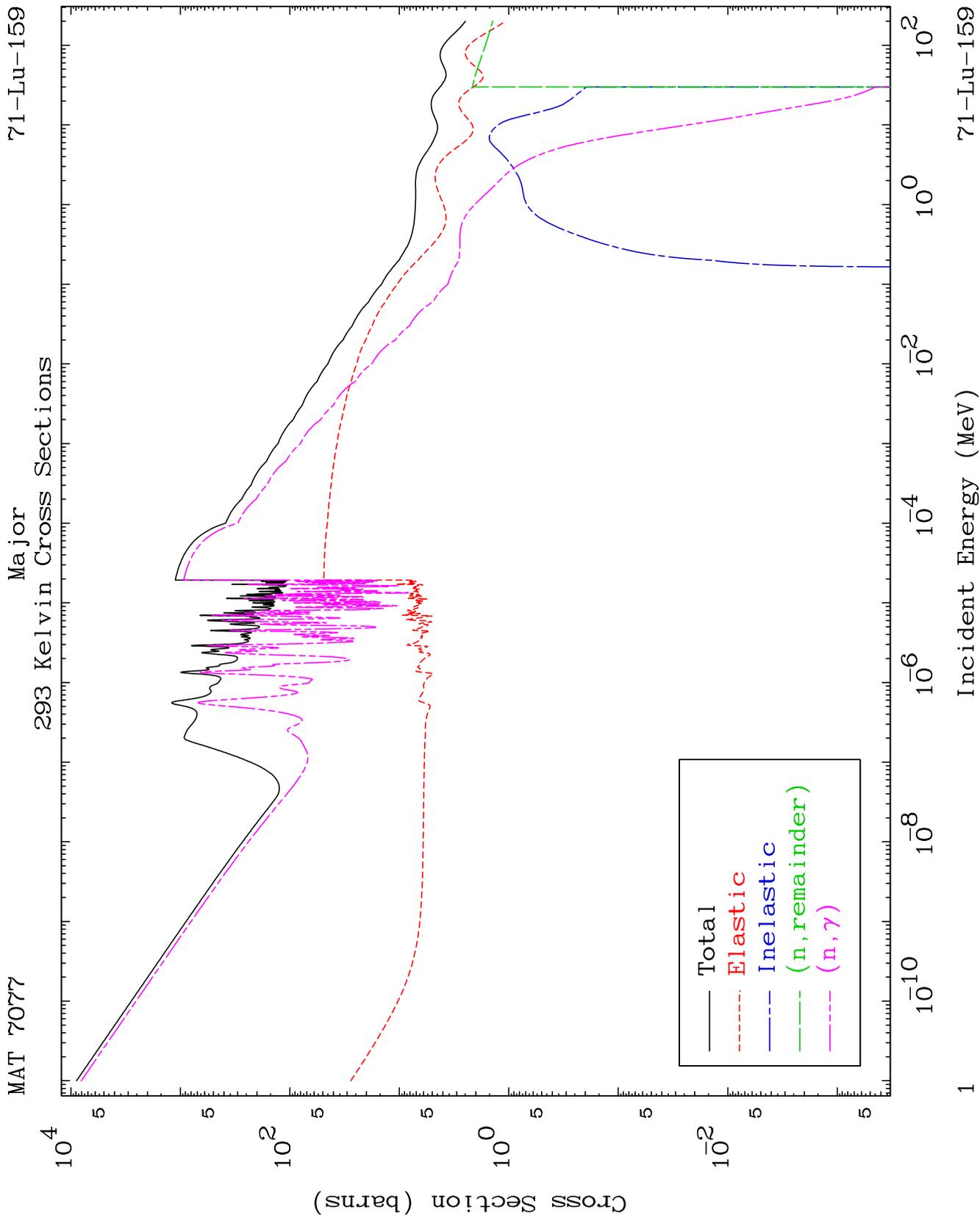
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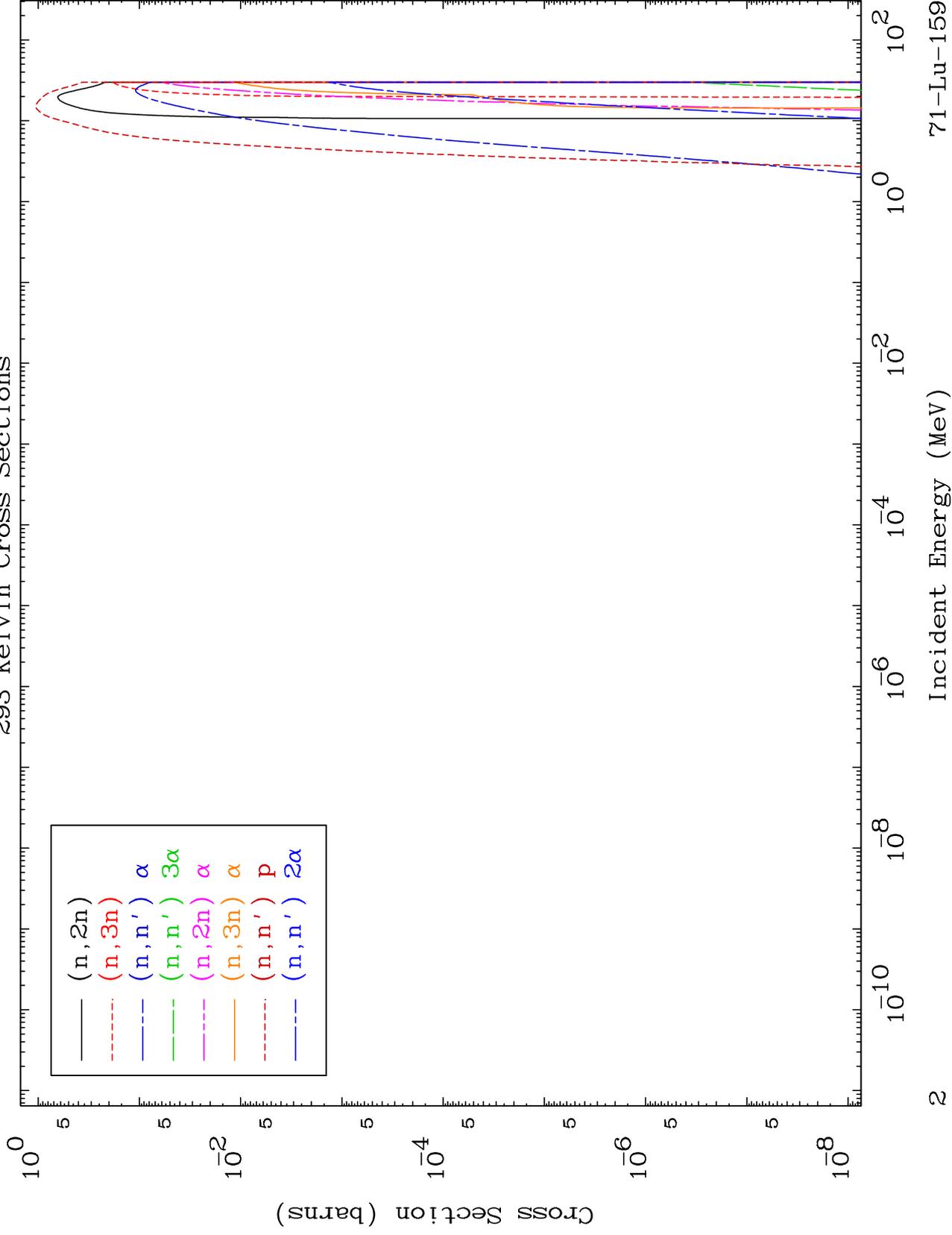
Press Mouse Button to Start



MAT 7077

Neutron Production  
293 Kelvin Cross Sections

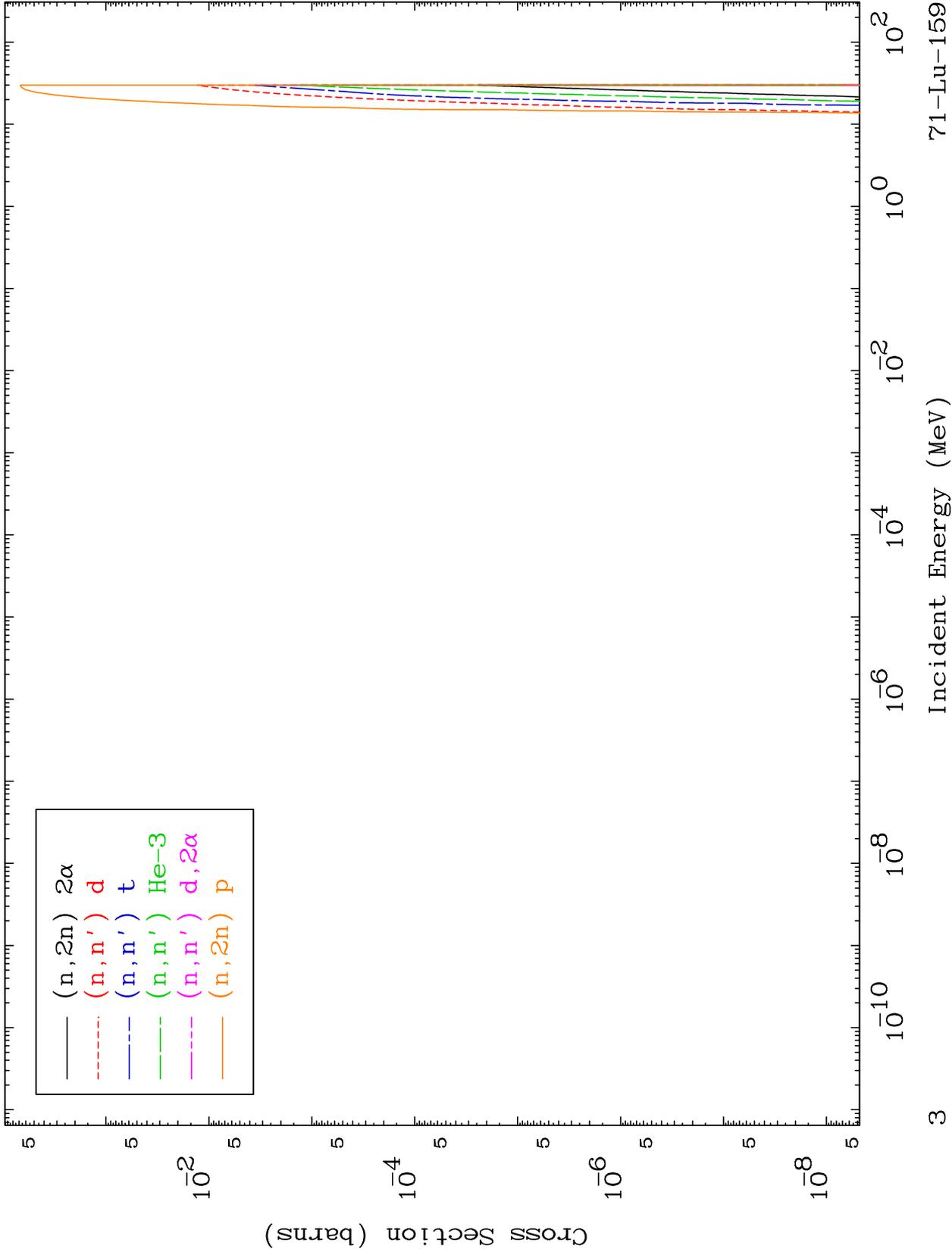
71-Lu-159



MAT 7077

Neutron Production  
293 Kelvin Cross Sections

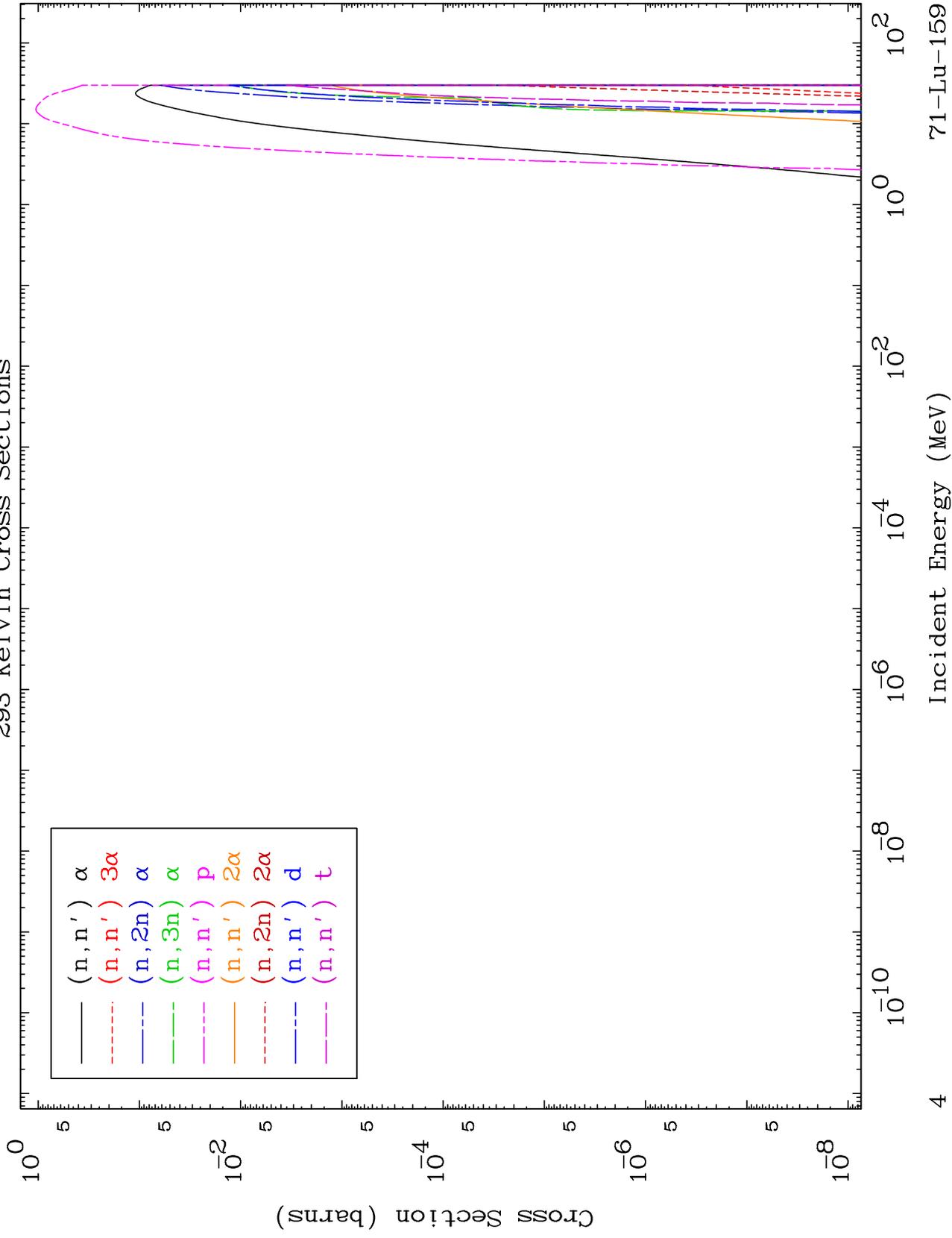
71-Lu-159



MAT 70777

Charged Particle  
293 Kelvin Cross Sections

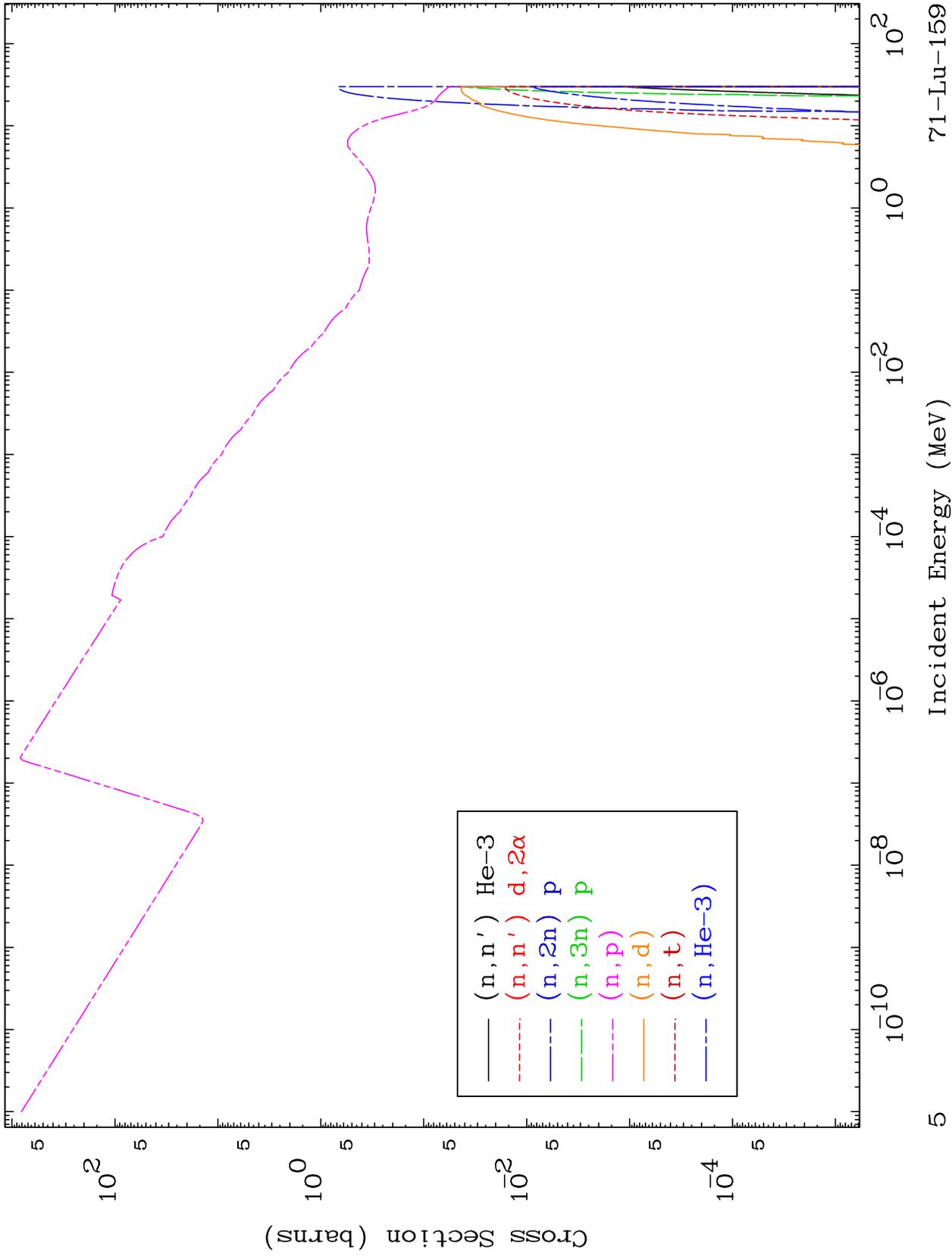
71-Lu-159



MAT 70777

Charged Particle  
293 Kelvin Cross Sections

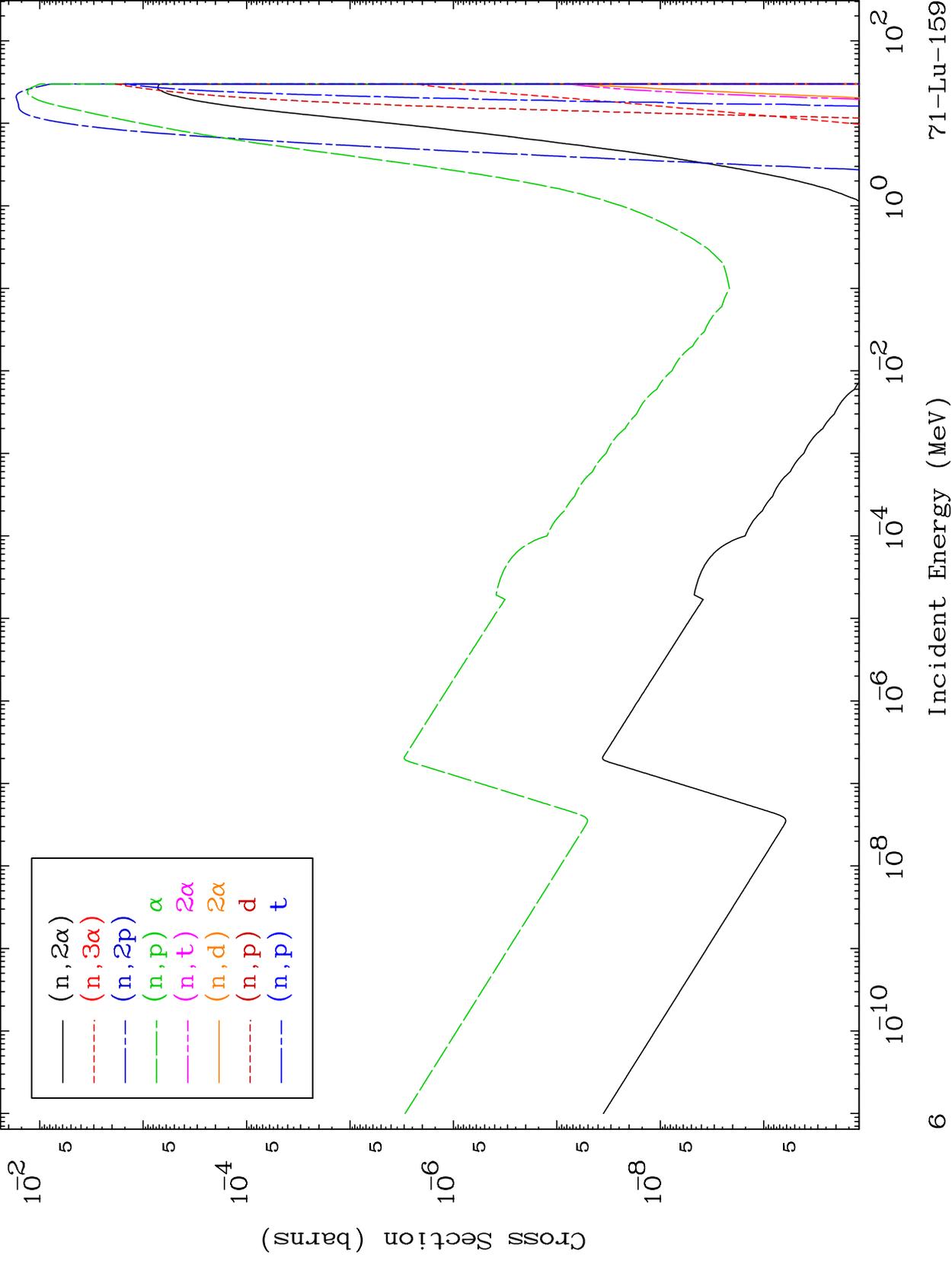
71-Lu-159



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Charged Particle  
293 Kelvin Cross Sections

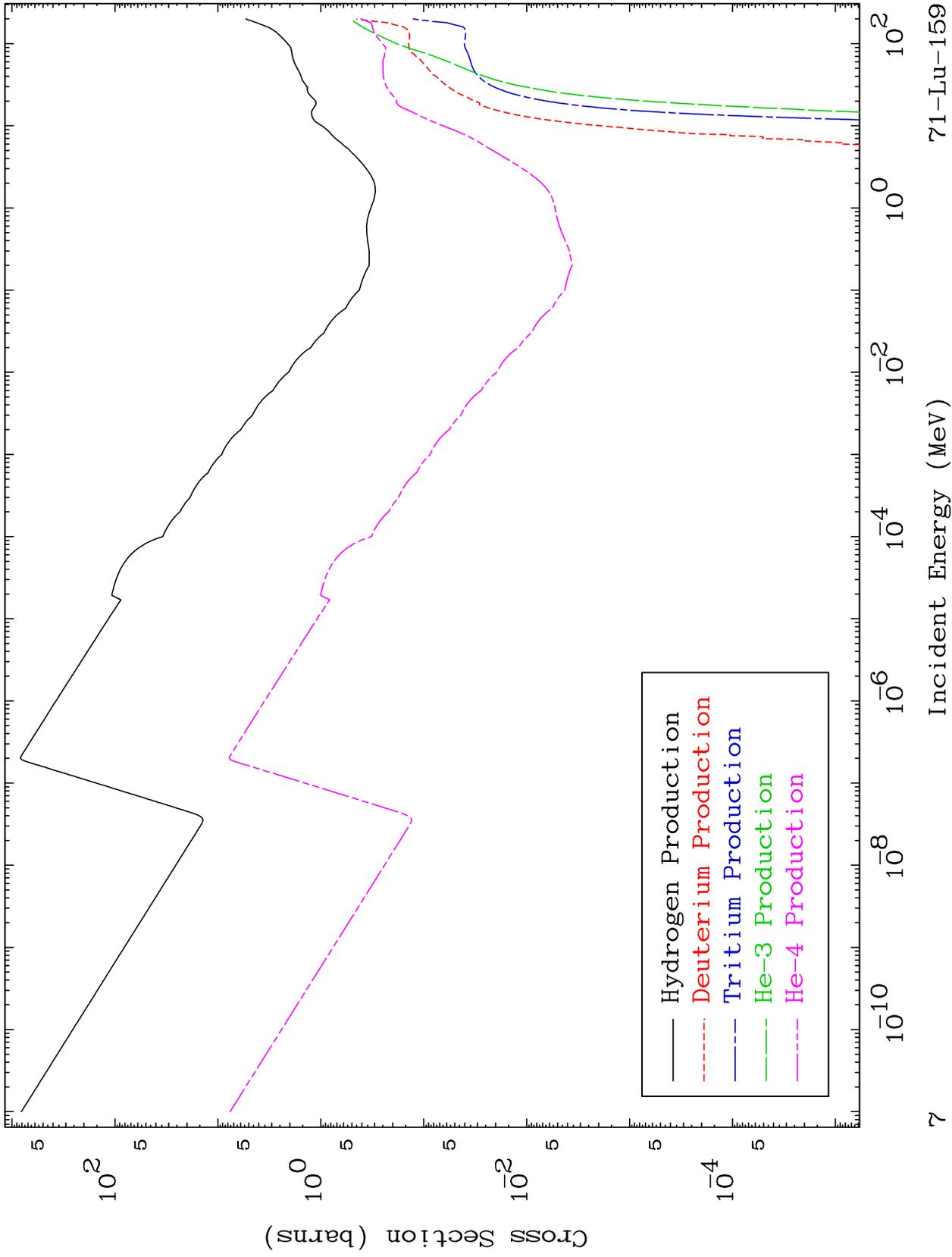
71-Lu-159



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Particle Production  
293 Kelvin Cross Sections

71-Lu-159

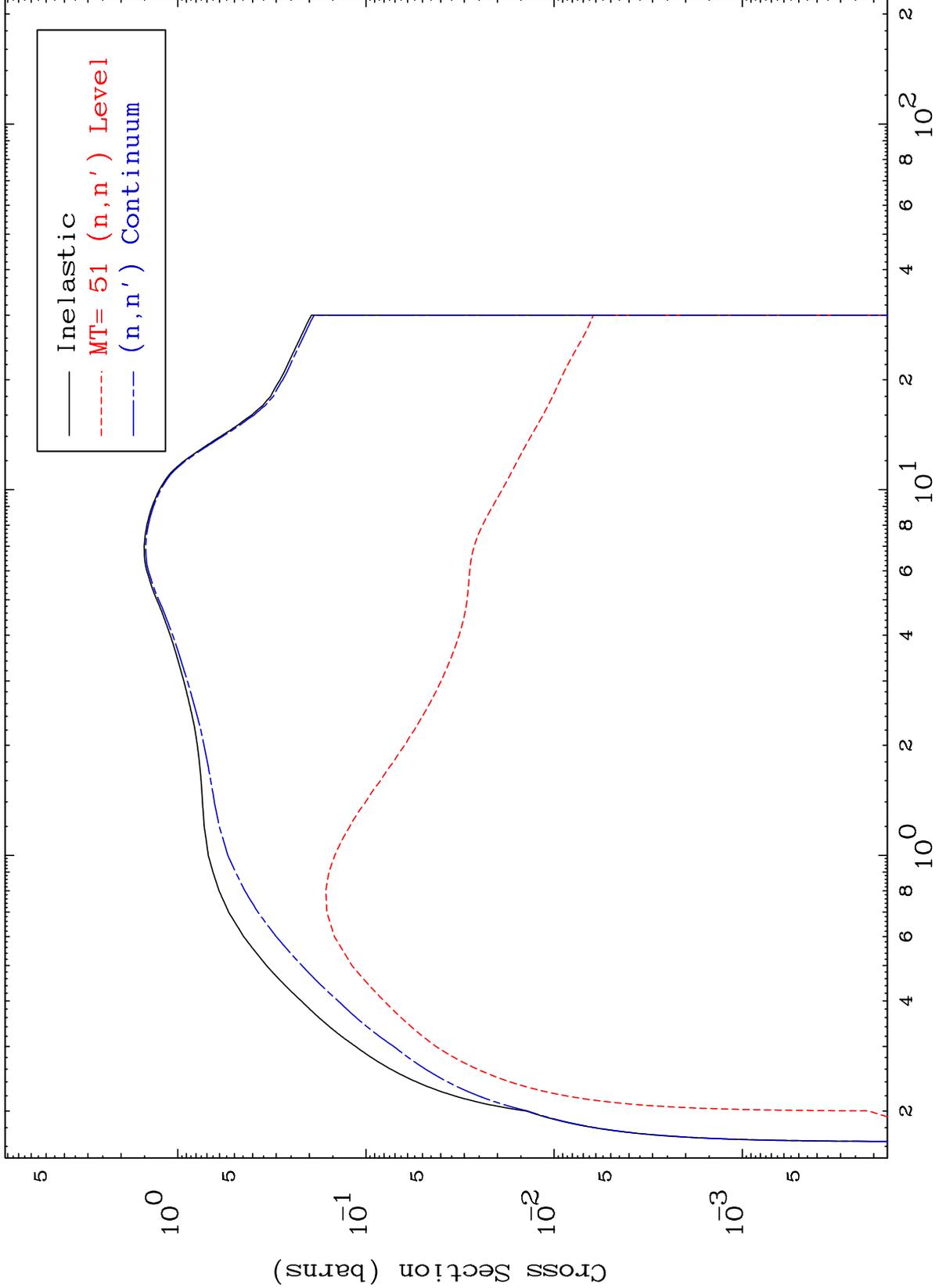


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(n,n') Level

71-Lu-159

293 Kelvin Cross Sections



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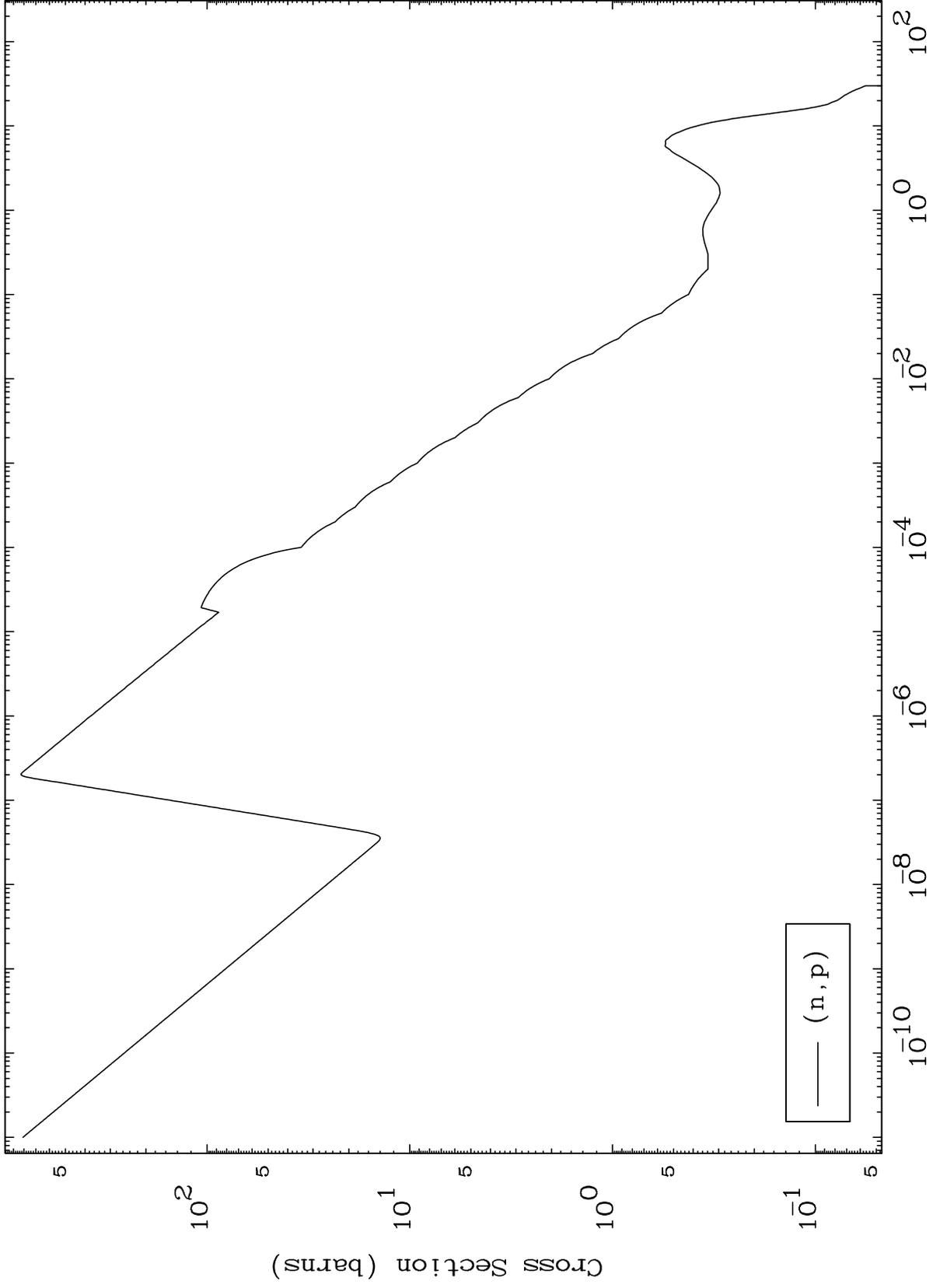
Incident Energy (MeV)

71-Lu-159

MAT 70777

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-159



(n,p)

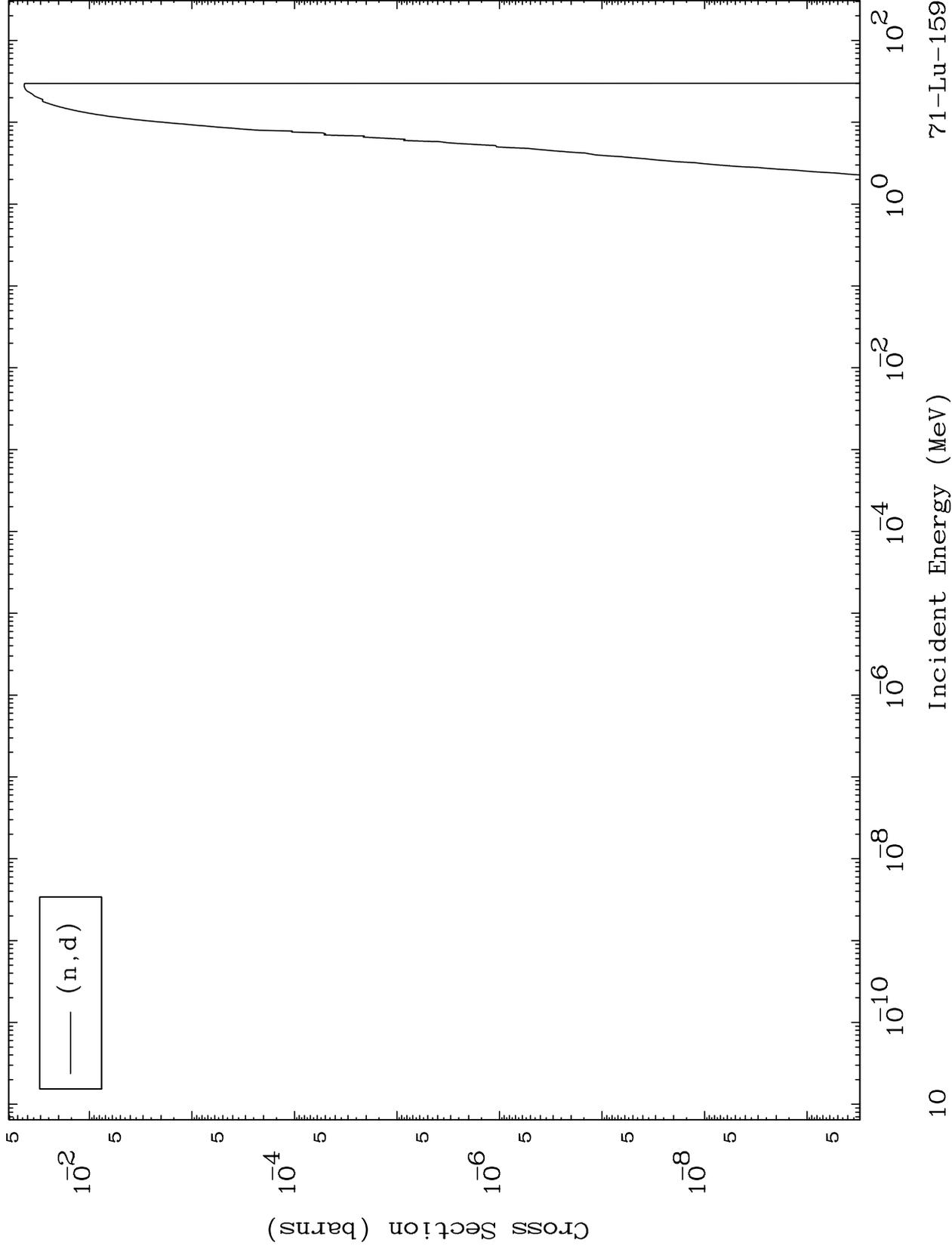
71-Lu-159

Incident Energy (MeV)

MAT 7077

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-159

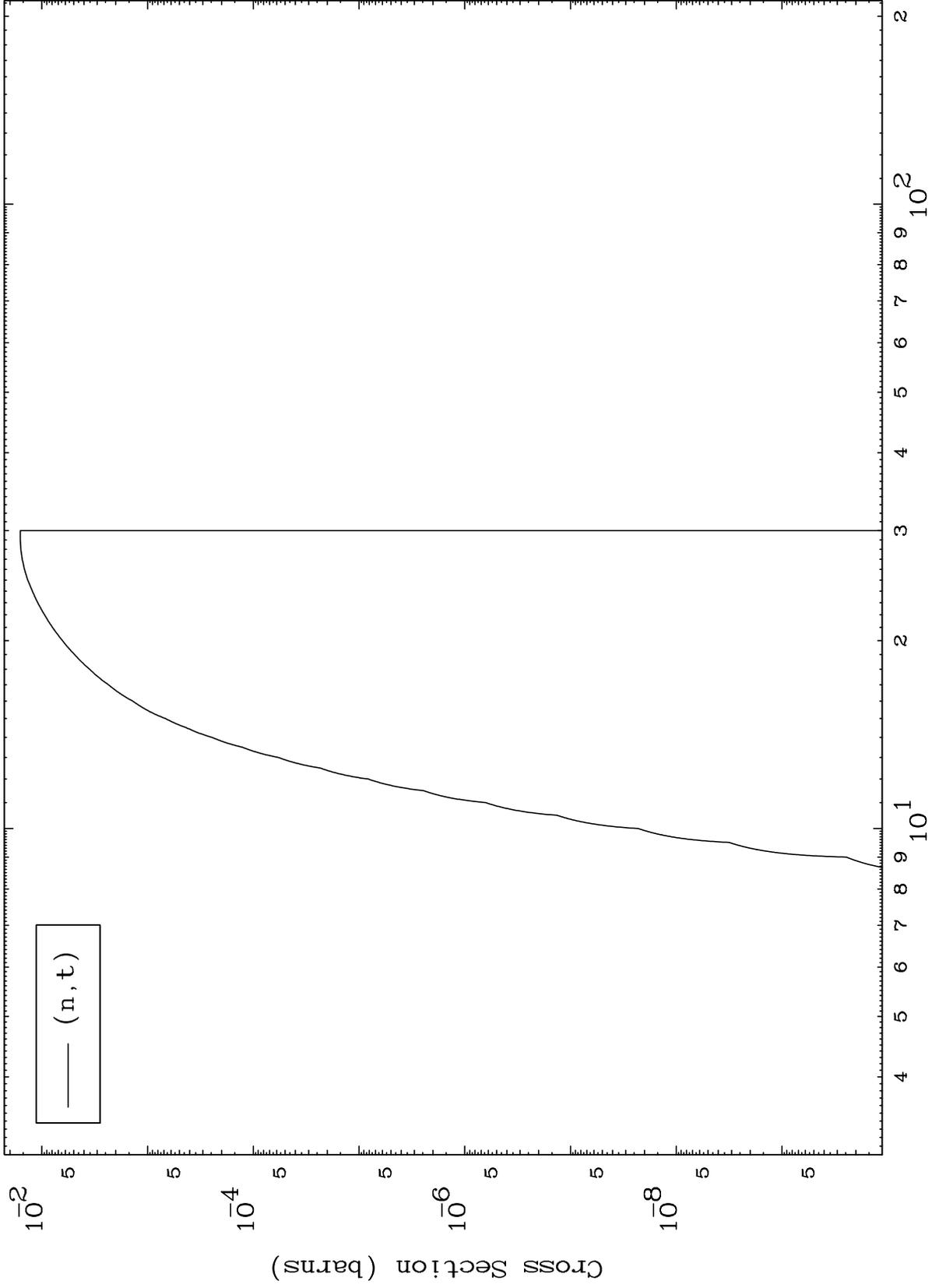


71-Lu-159

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(n,t) Levels  
293 Kelvin Cross Sections

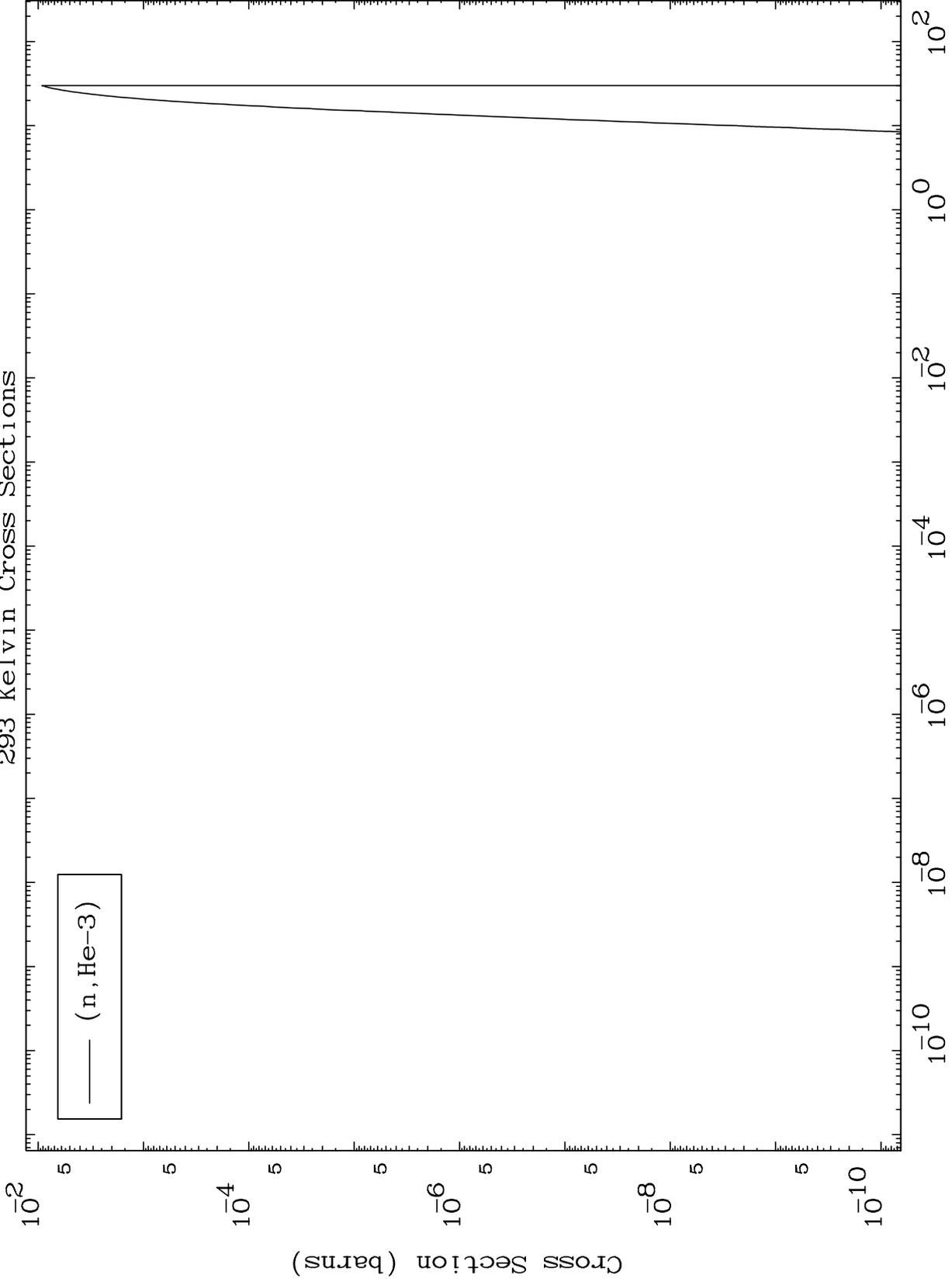
71-Lu-159



MAT 7077

(n,He3) Levels  
293 Kelvin Cross Sections

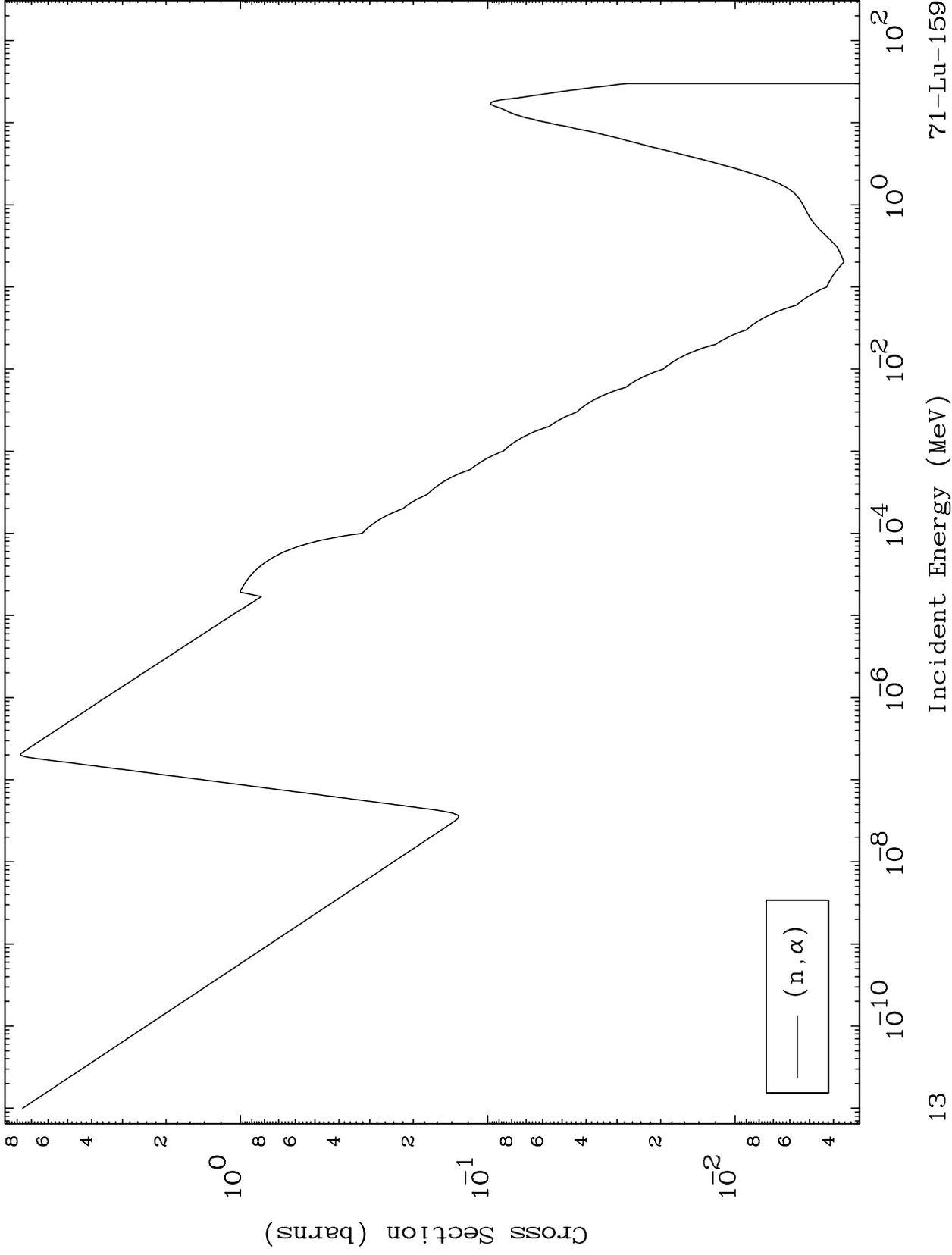
71-Lu-159



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(n,α) Levels  
293 Kelvin Cross Sections

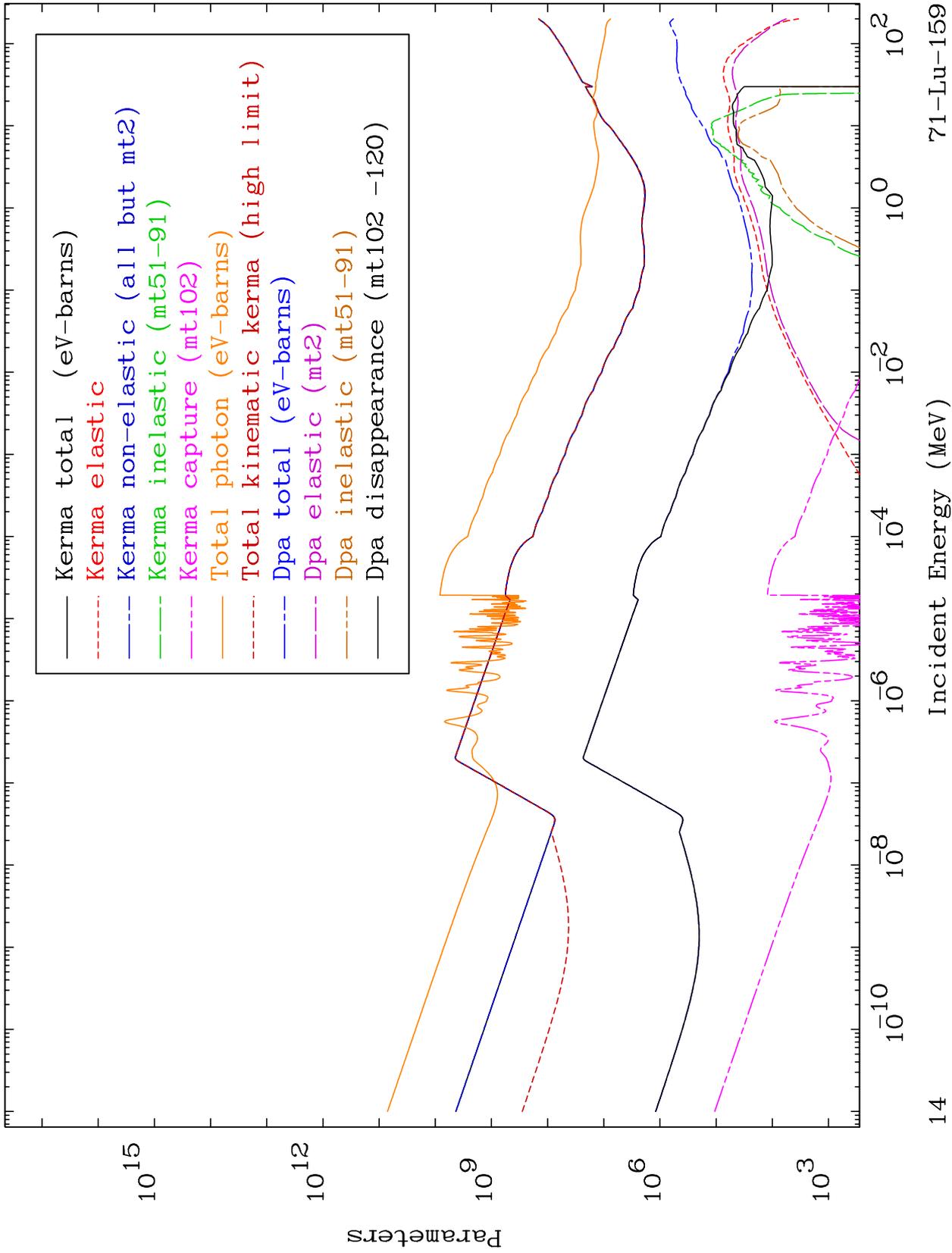
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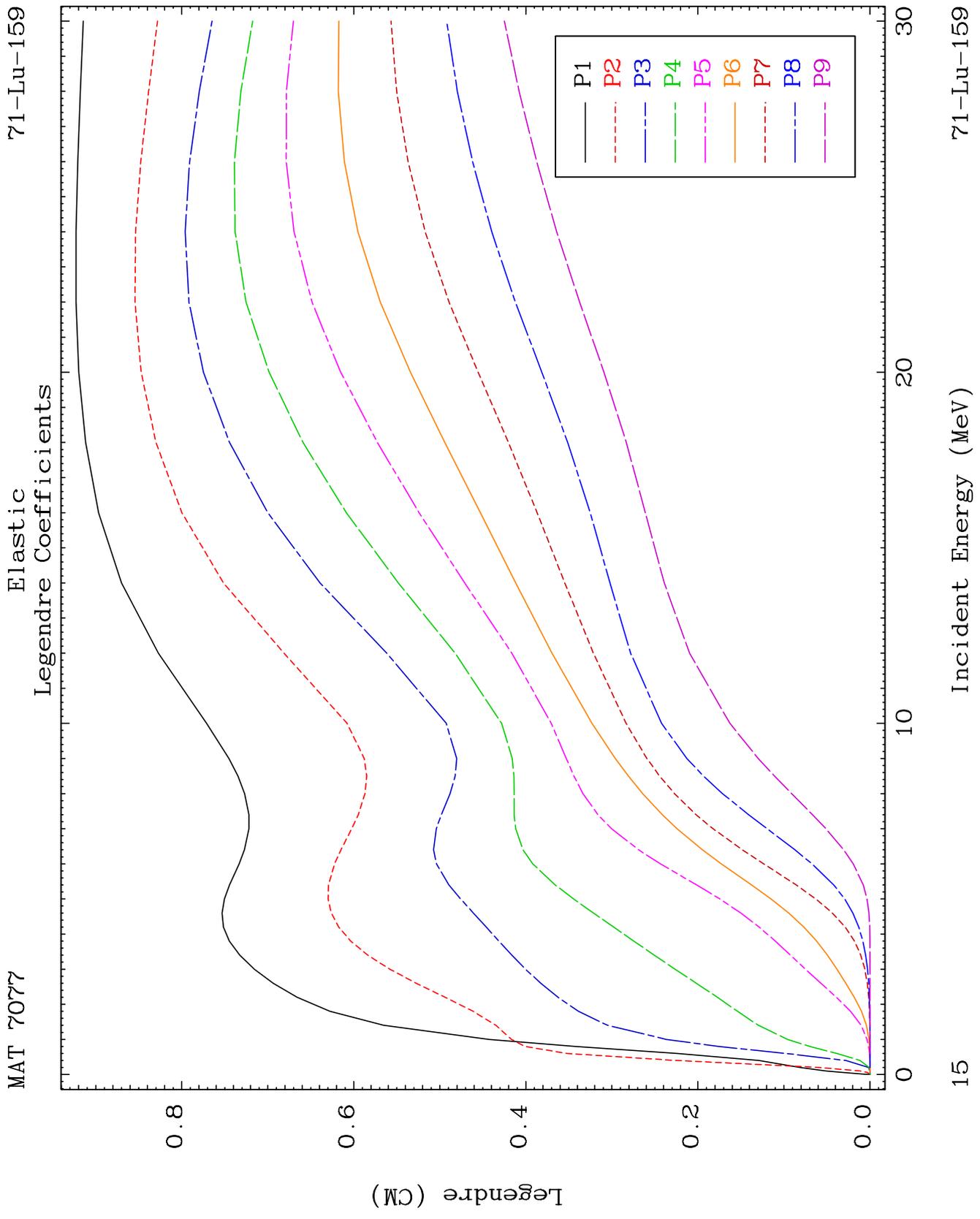


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Incident Energy (MeV)

71-Lu-159

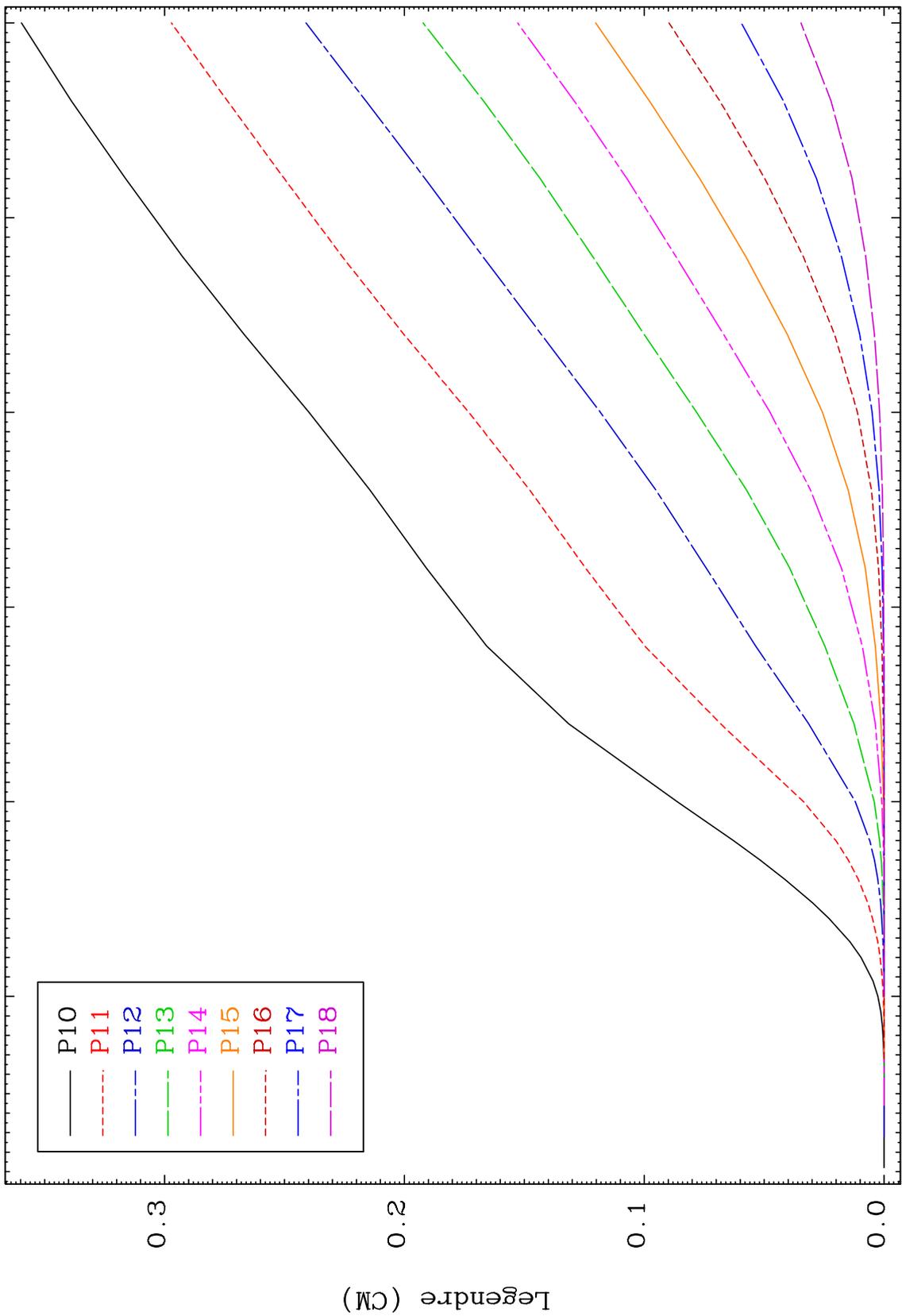




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Elastic Legendre Coefficients

<sup>71</sup>Lu-159



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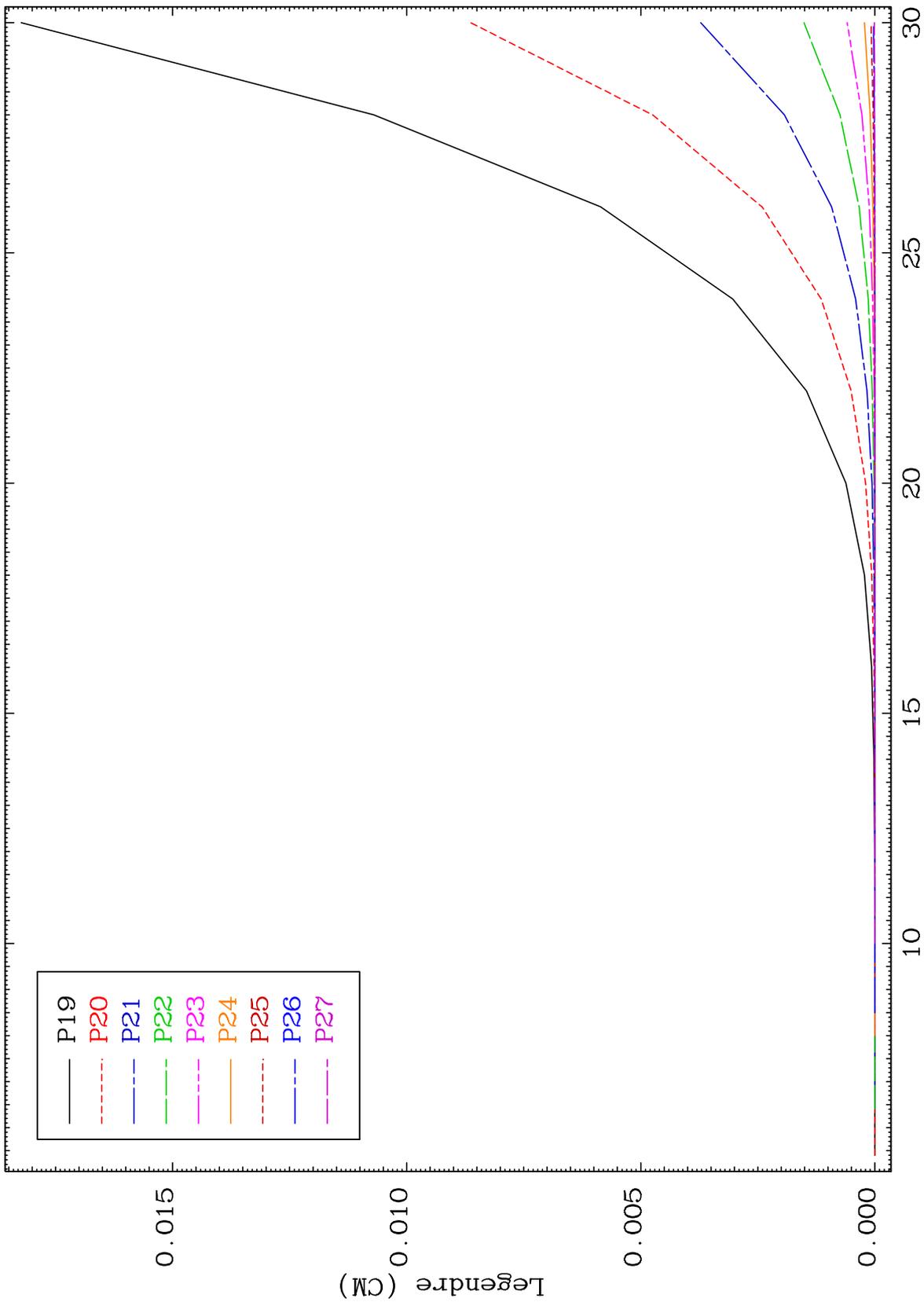
Incident Energy (MeV)

<sup>71</sup>Lu-159

MAT 7077

### Elastic Legendre Coefficients

71-Lu-159



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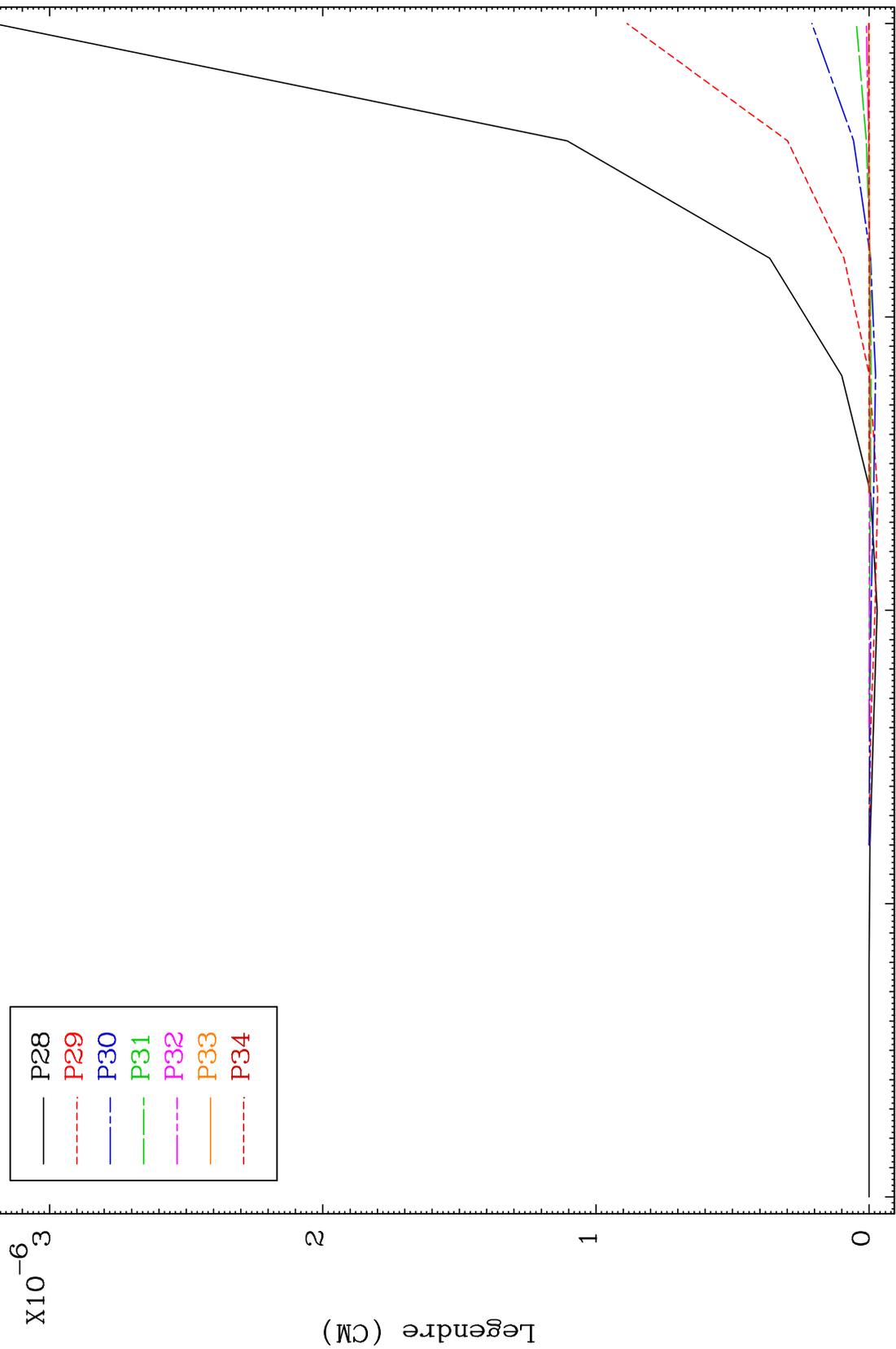
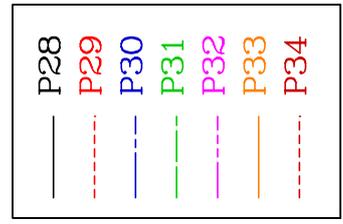
Incident Energy (MeV)

71-Lu-159

MAT 7077

Elastic Legendre Coefficients

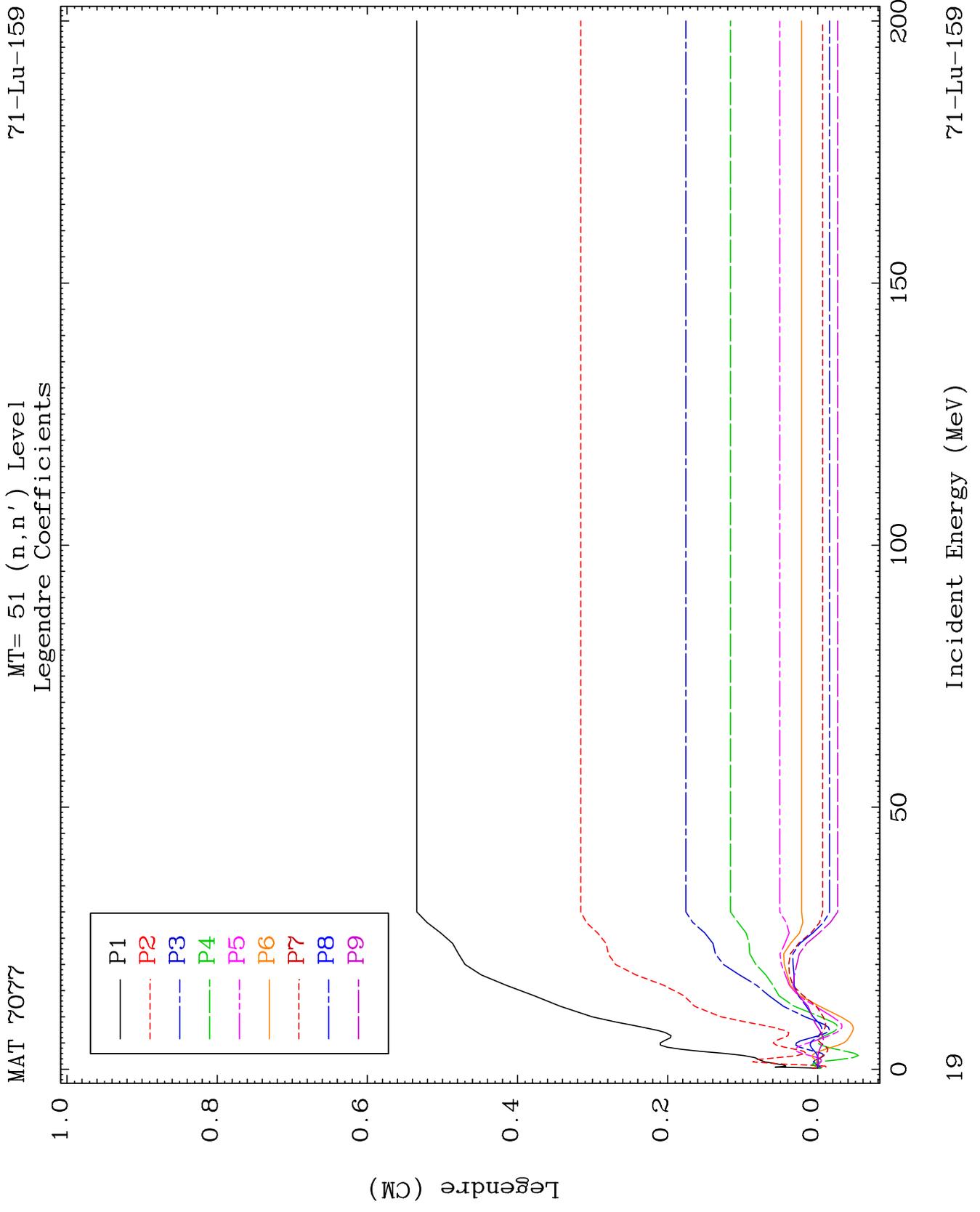
71-Lu-159

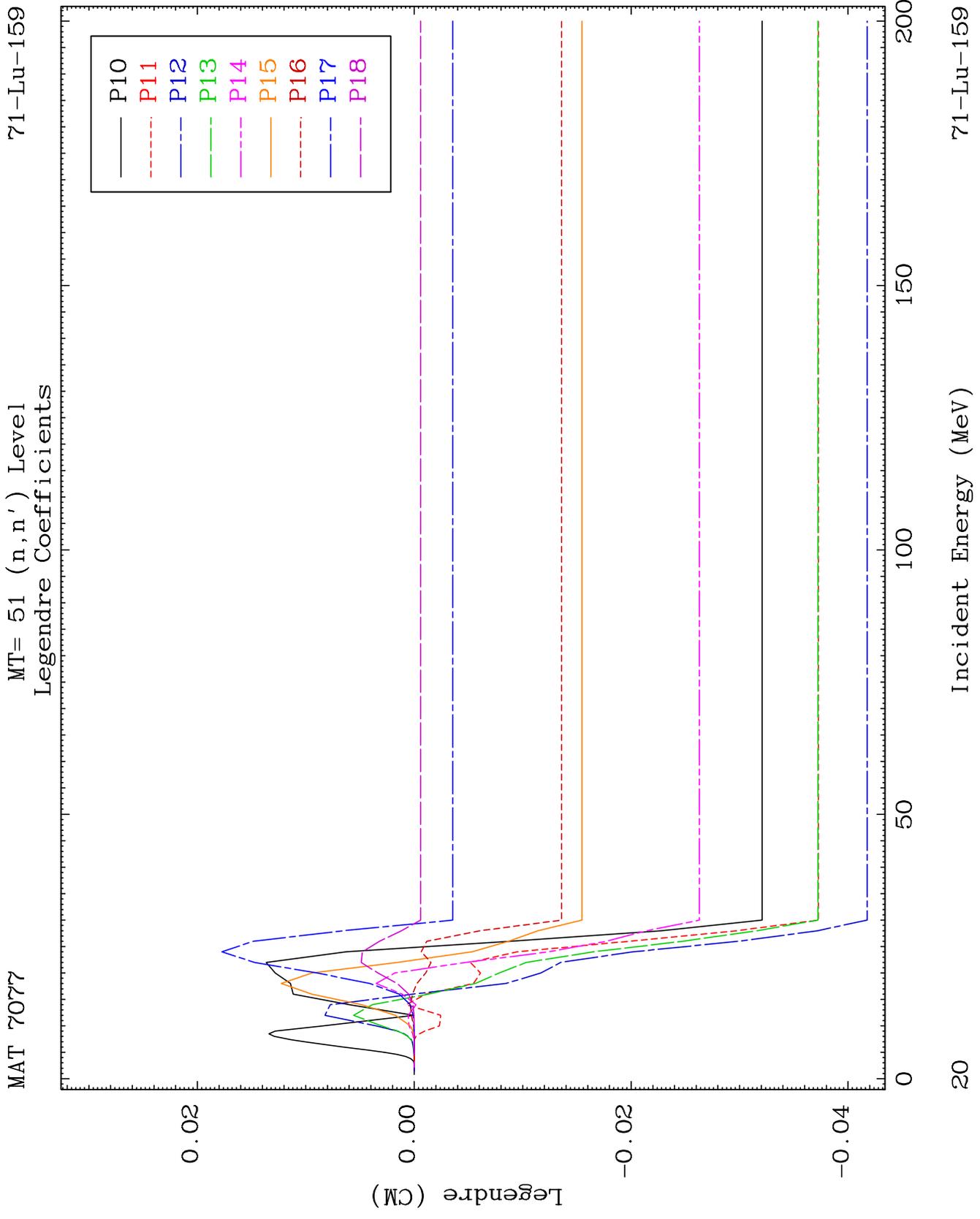


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Incident Energy (MeV)

71-Lu-159

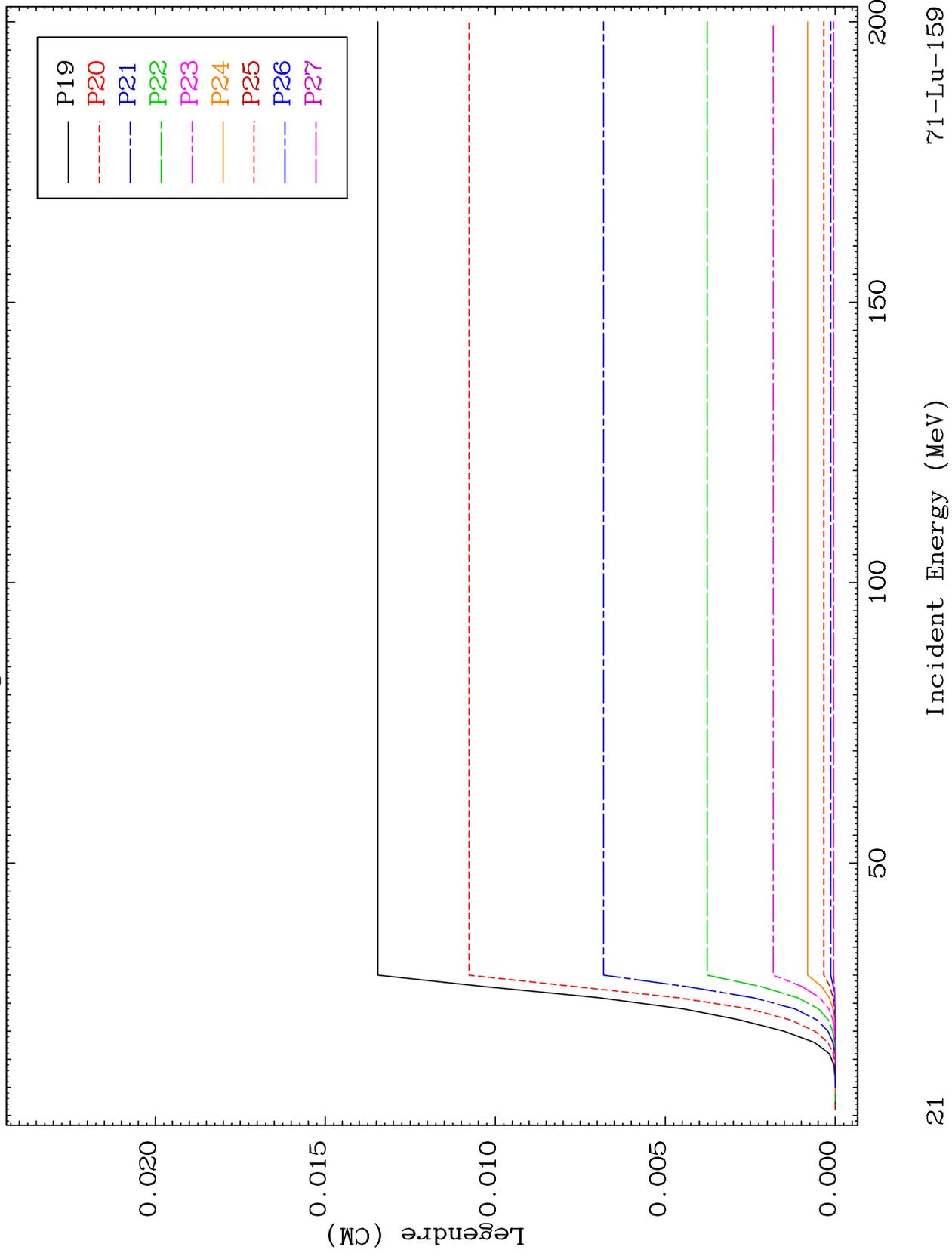




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MT= 51 (n,n') Level  
Legendre Coefficients

71-Lu-159



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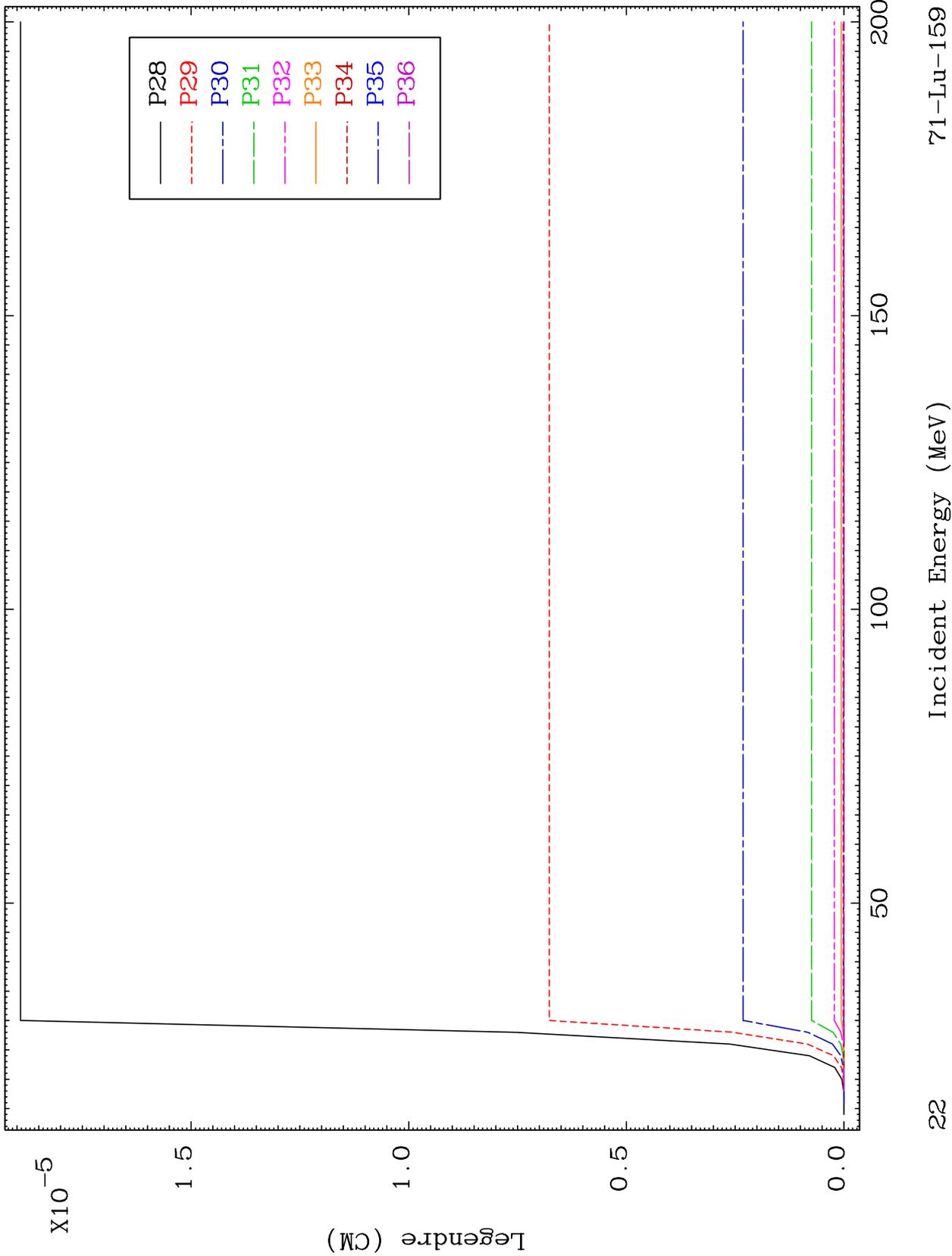
Incident Energy (MeV)

71-Lu-159

MAT 7077

MT= 51 (n,n') Level  
Legendre Coefficients

71-Lu-159



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Incident Energy (MeV)

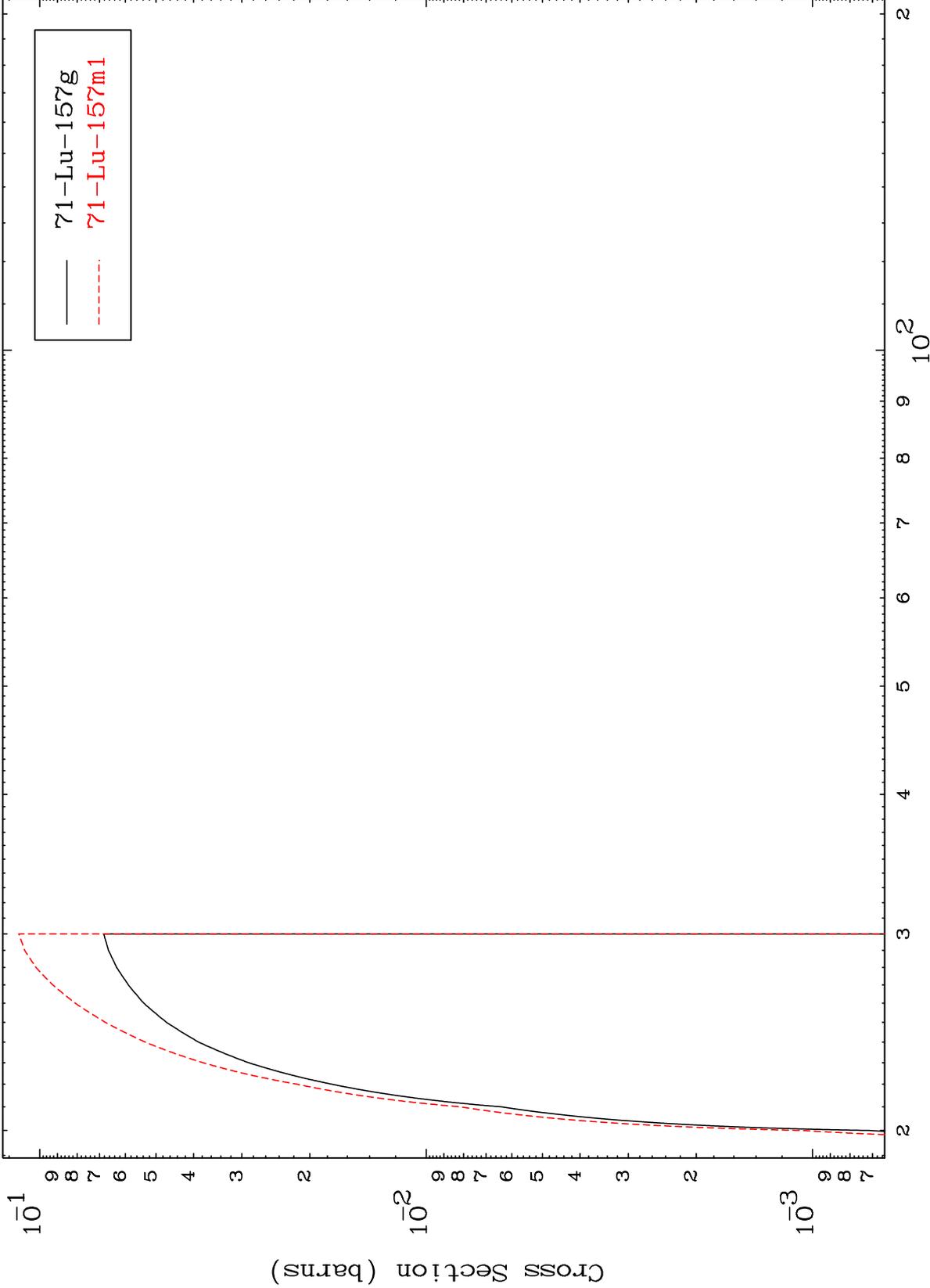
71-Lu-159

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(n,3n)

<sup>71</sup>Lu-159

Radionuclide Production Cross Section



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Incident Energy (MeV)

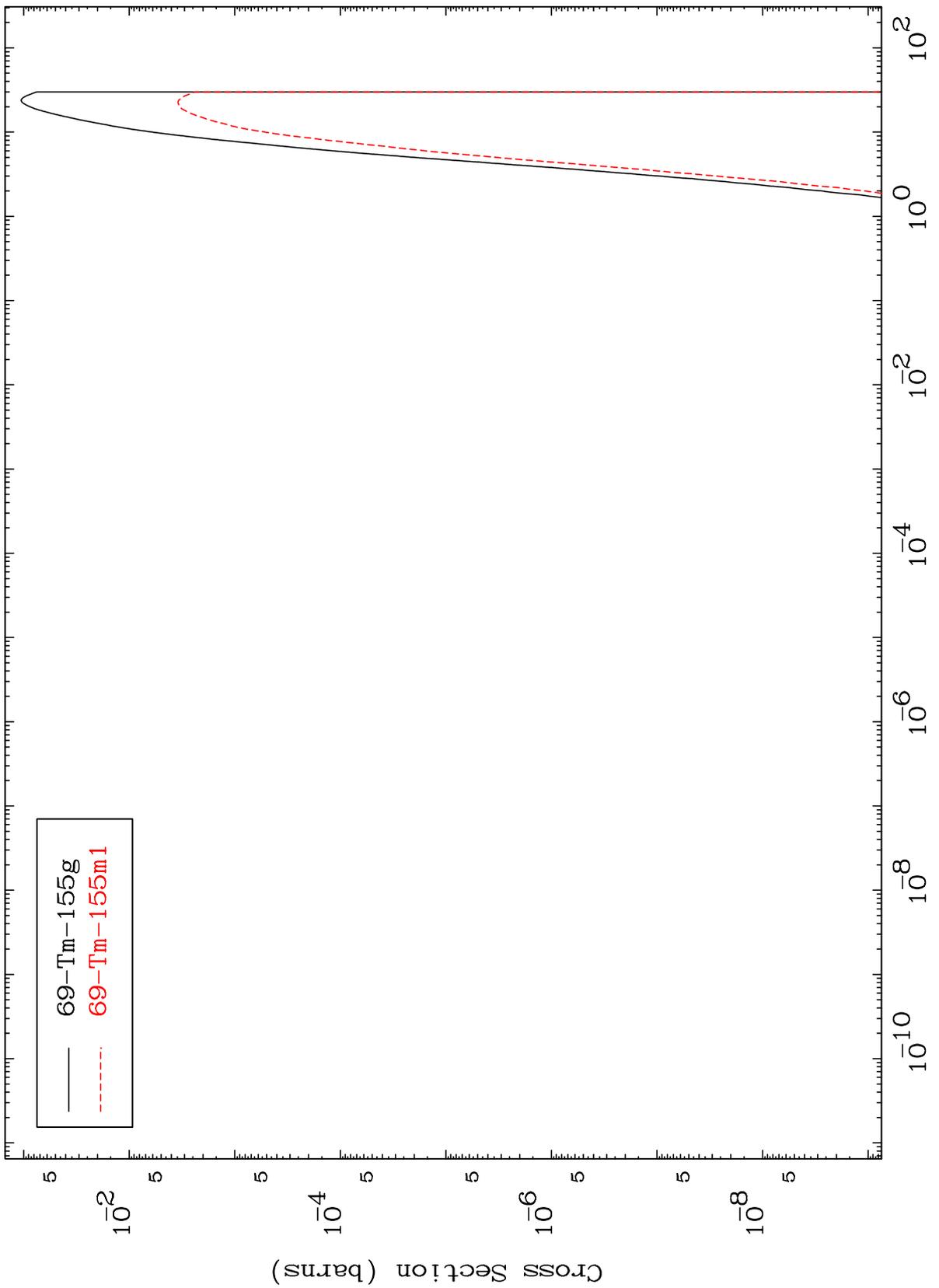
<sup>71</sup>Lu-159

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$(n, n') \alpha$

71-Lu-159

Radionuclide Production Cross Section

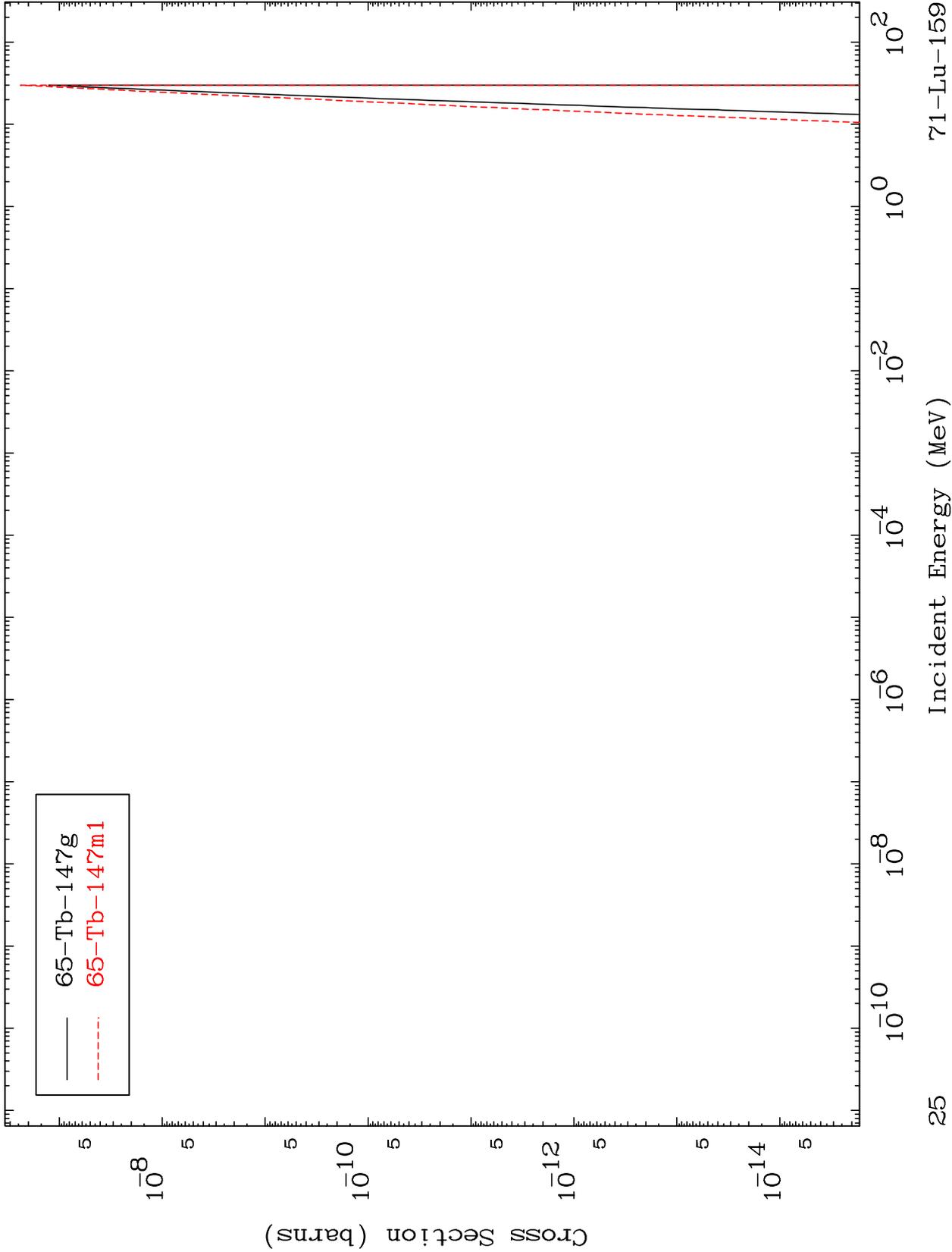


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(n,n') 3 $\alpha$

<sup>71</sup>Lu-159

Radionuclide Production Cross Section

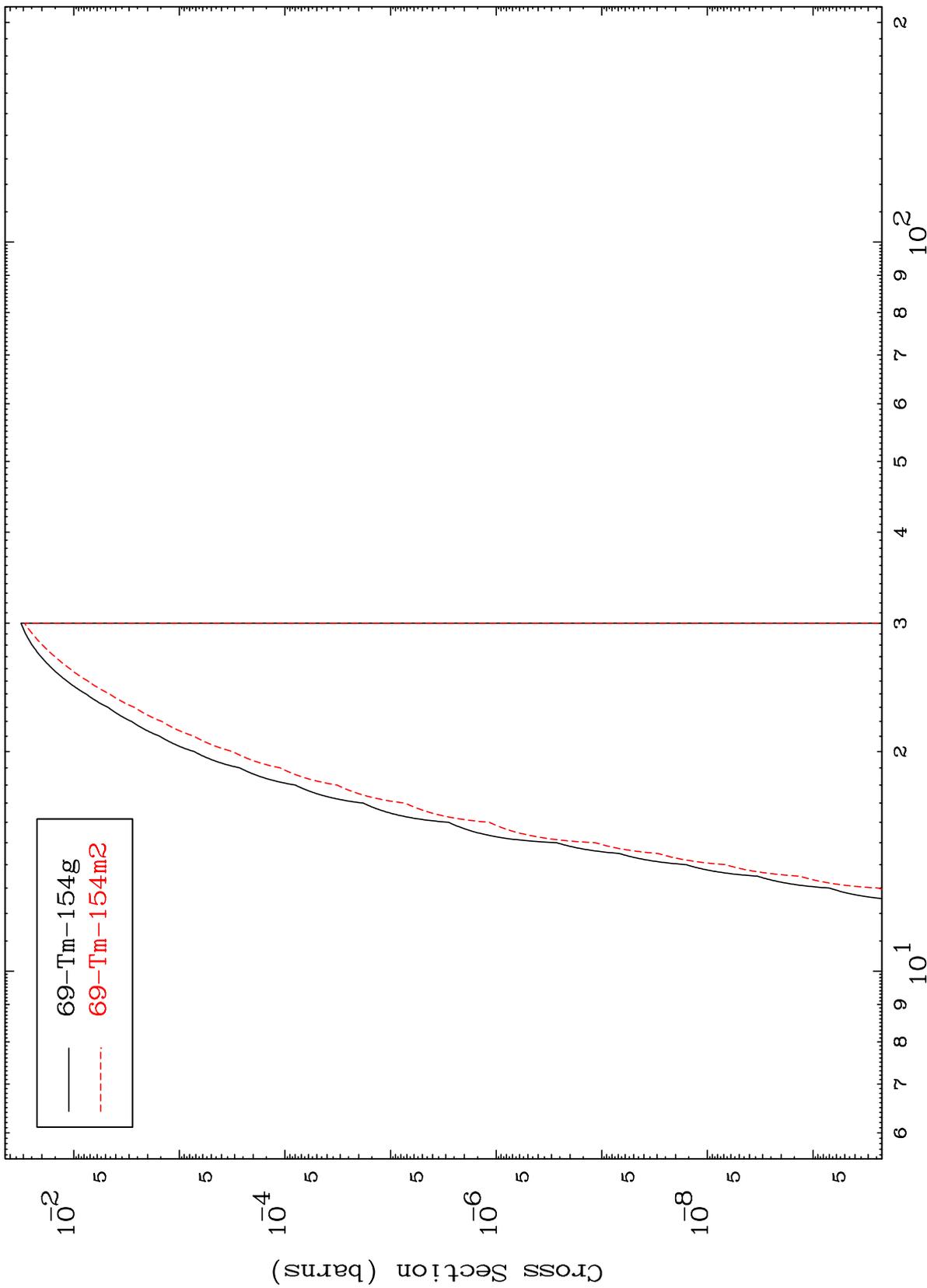


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$(n,2n) \alpha$

$^{71}\text{Lu-159}$

Radionuclide Production Cross Section

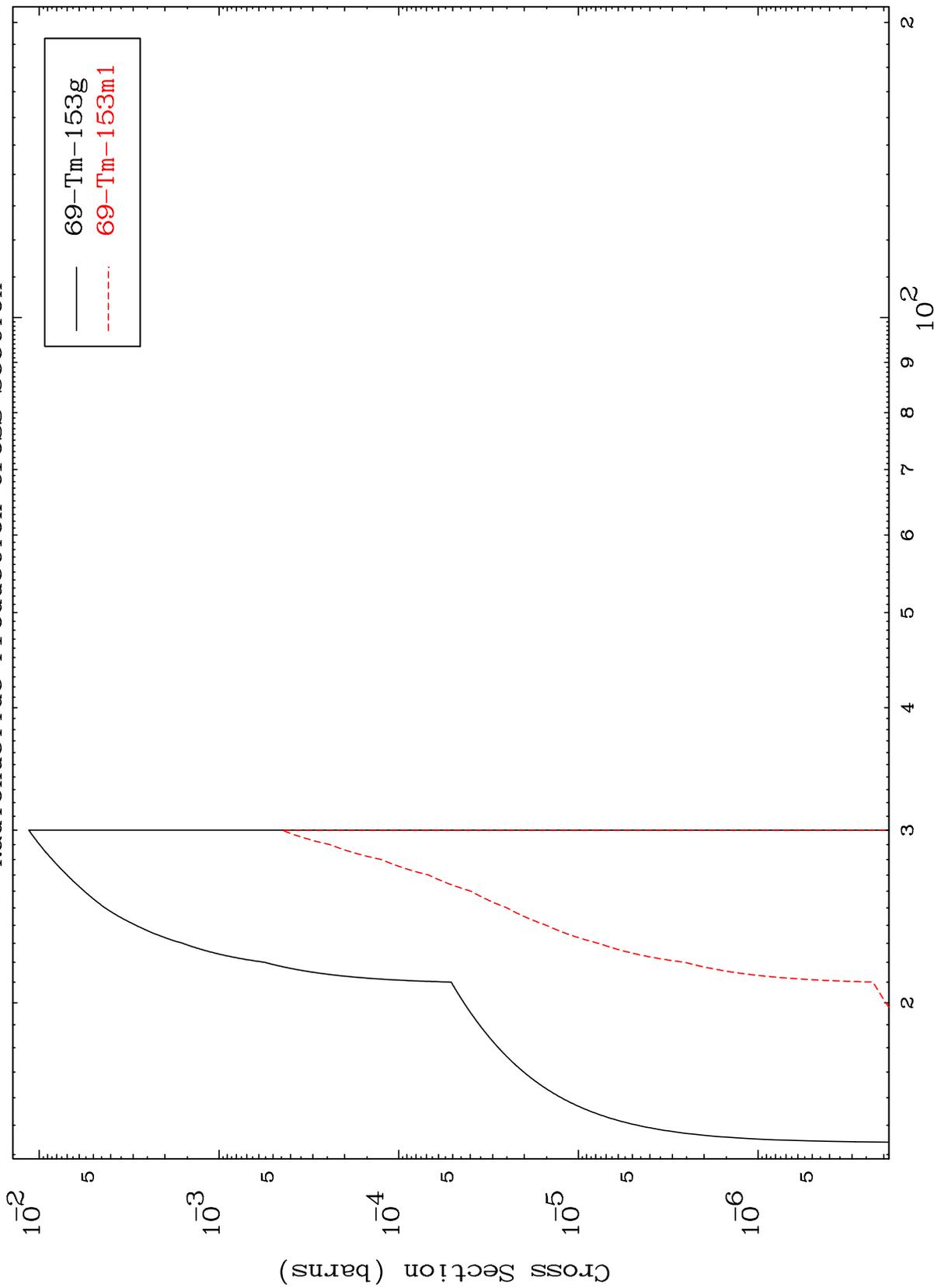


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Incident Energy (MeV)

$^{71}\text{Lu-159}$

Radionuclide Production Cross Section

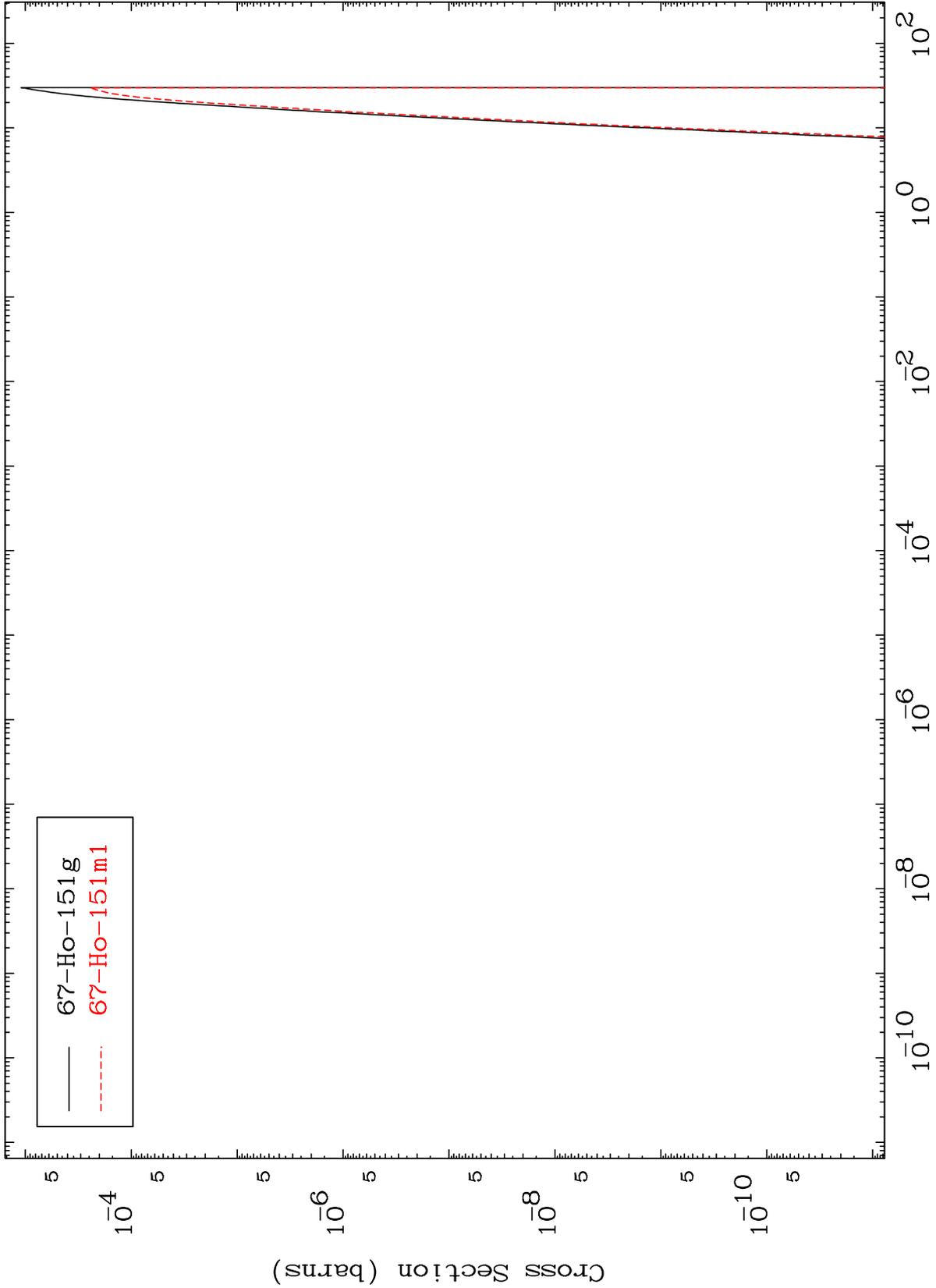


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(n,n') 2α

71-Lu-159

Radionuclide Production Cross Section



67-Ho-151g  
67-Ho-151m1

Incident Energy (MeV)

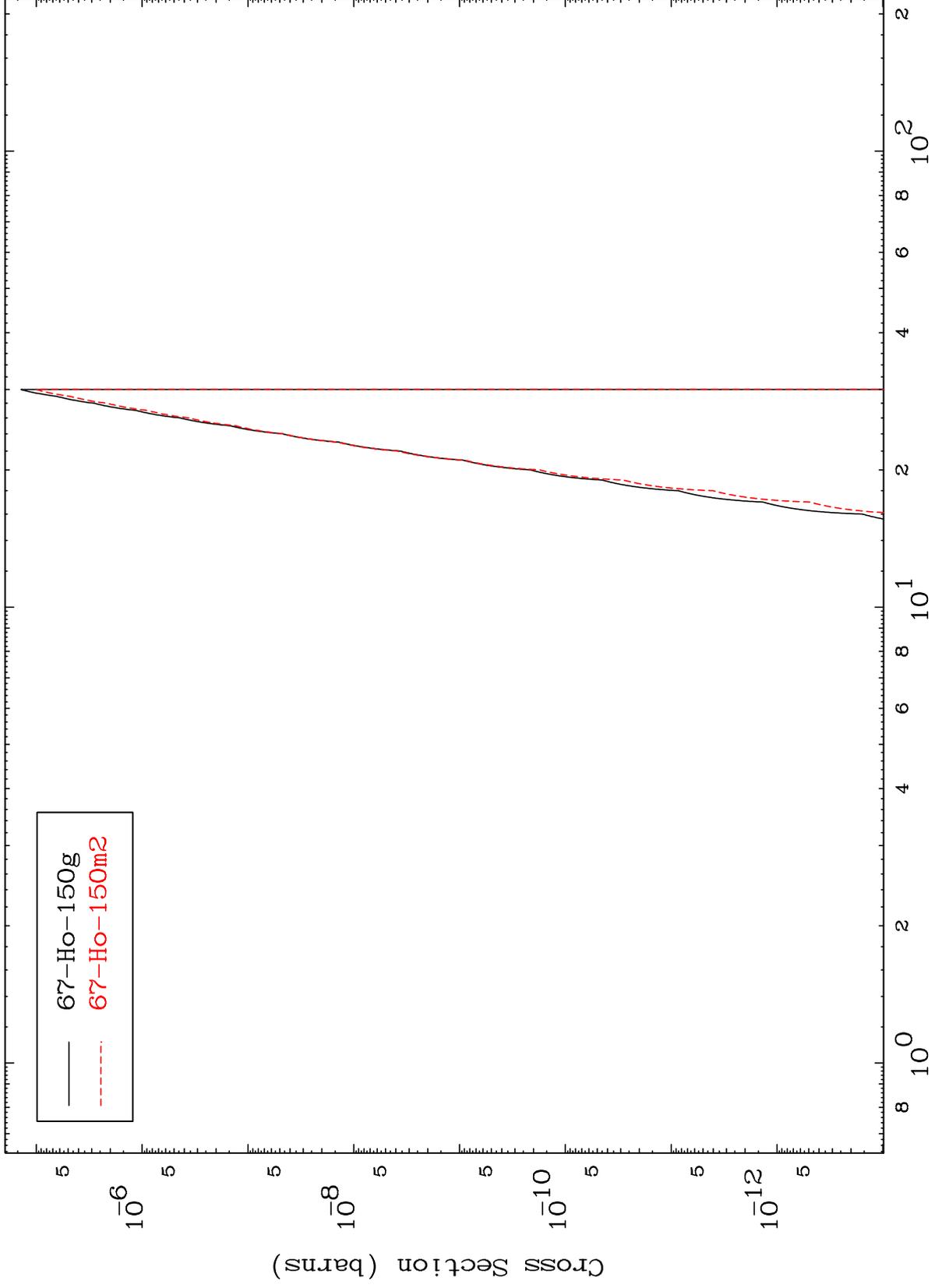
71-Lu-159

MAT 7077

$^{67}\text{Ho}$  150g  $2\alpha$

$^{71}\text{Lu}$  159

Radionuclide Production Cross Section



29

Incident Energy (MeV)

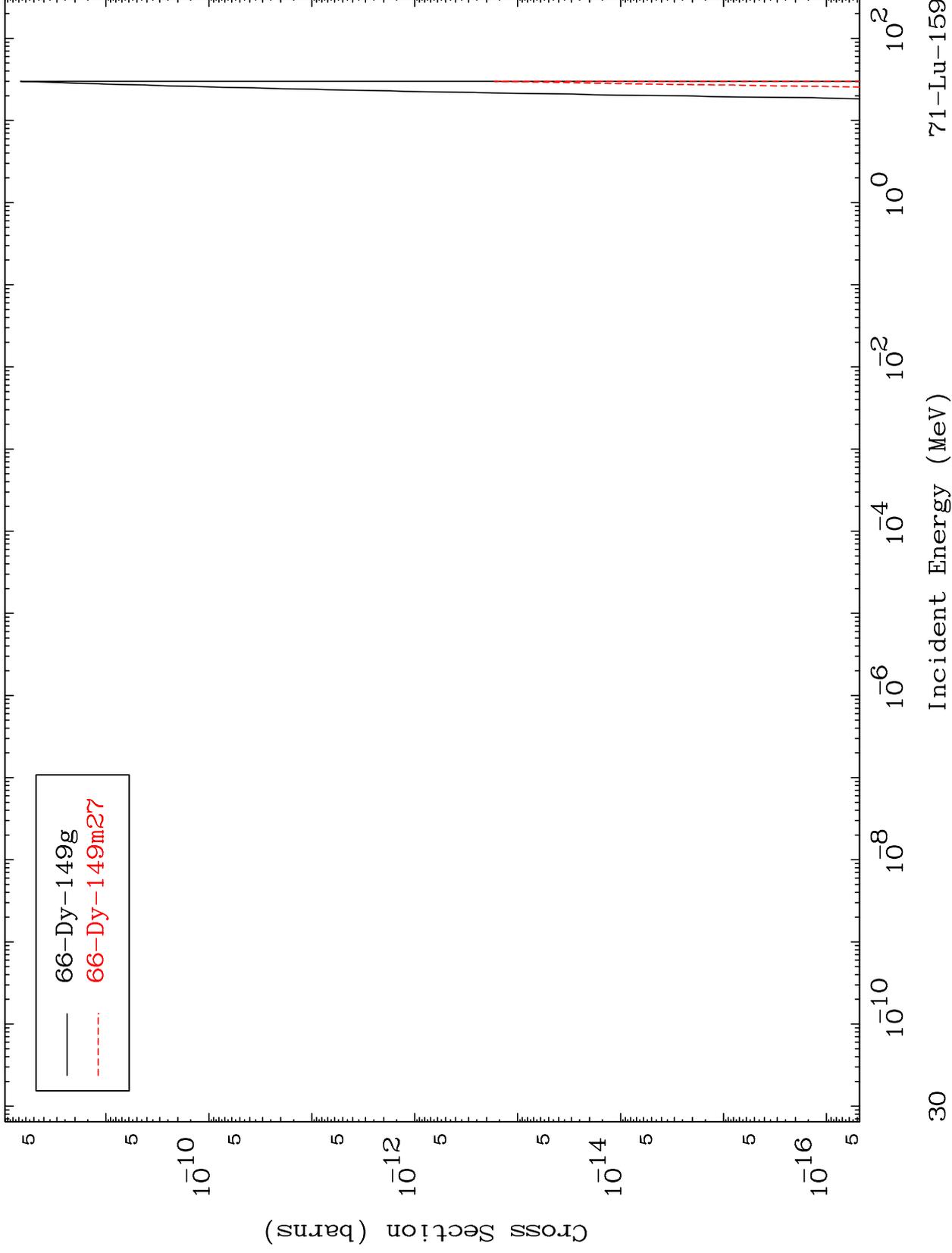
$^{71}\text{Lu}$  159

MAT 7077

(n,n') d,2 $\alpha$

71-Lu-159

Radionuclide Production Cross Section



30

Incident Energy (MeV)

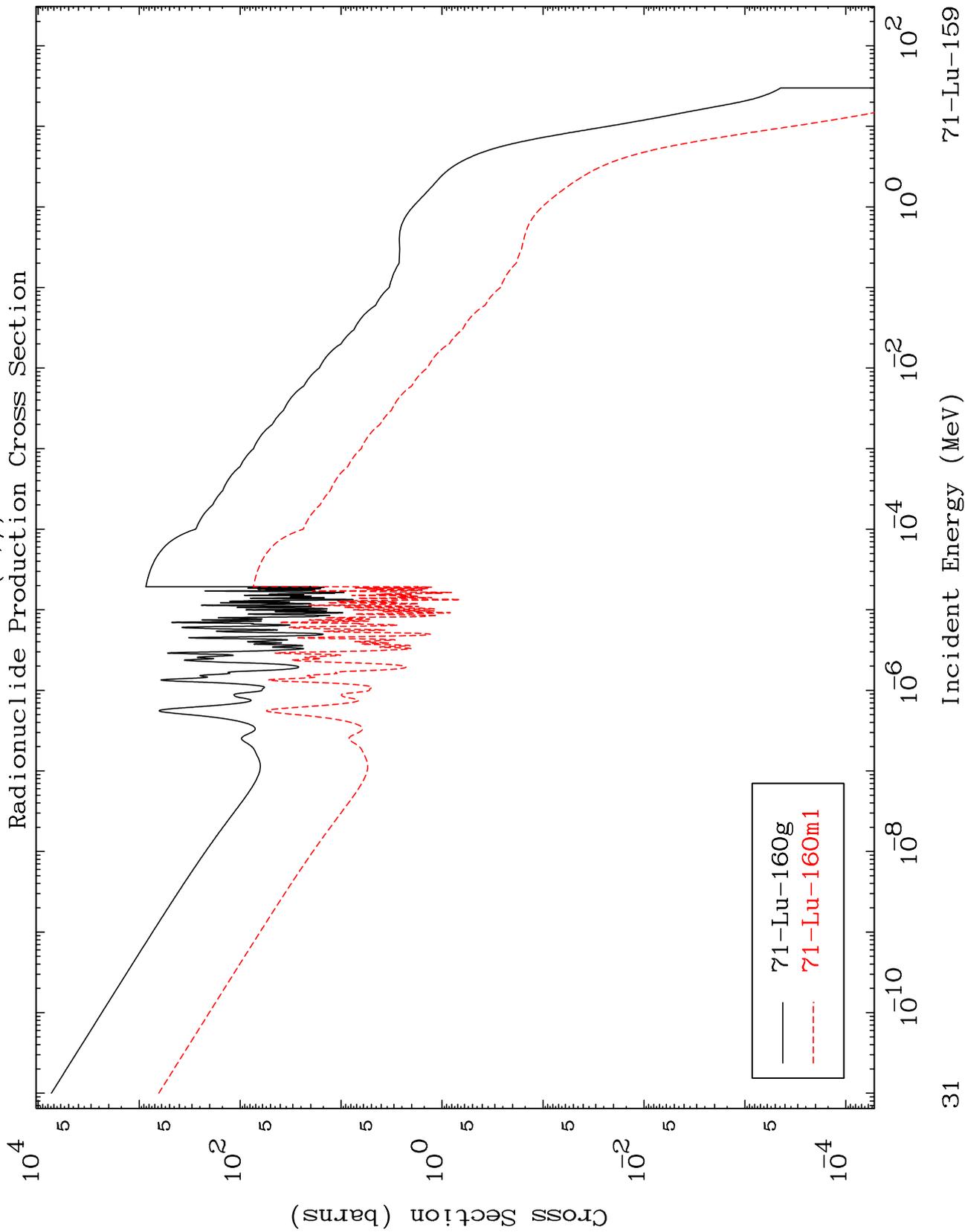
71-Lu-159

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<sup>71</sup>Lu-159

Radionuclide Production Cross Section

(n,γ)



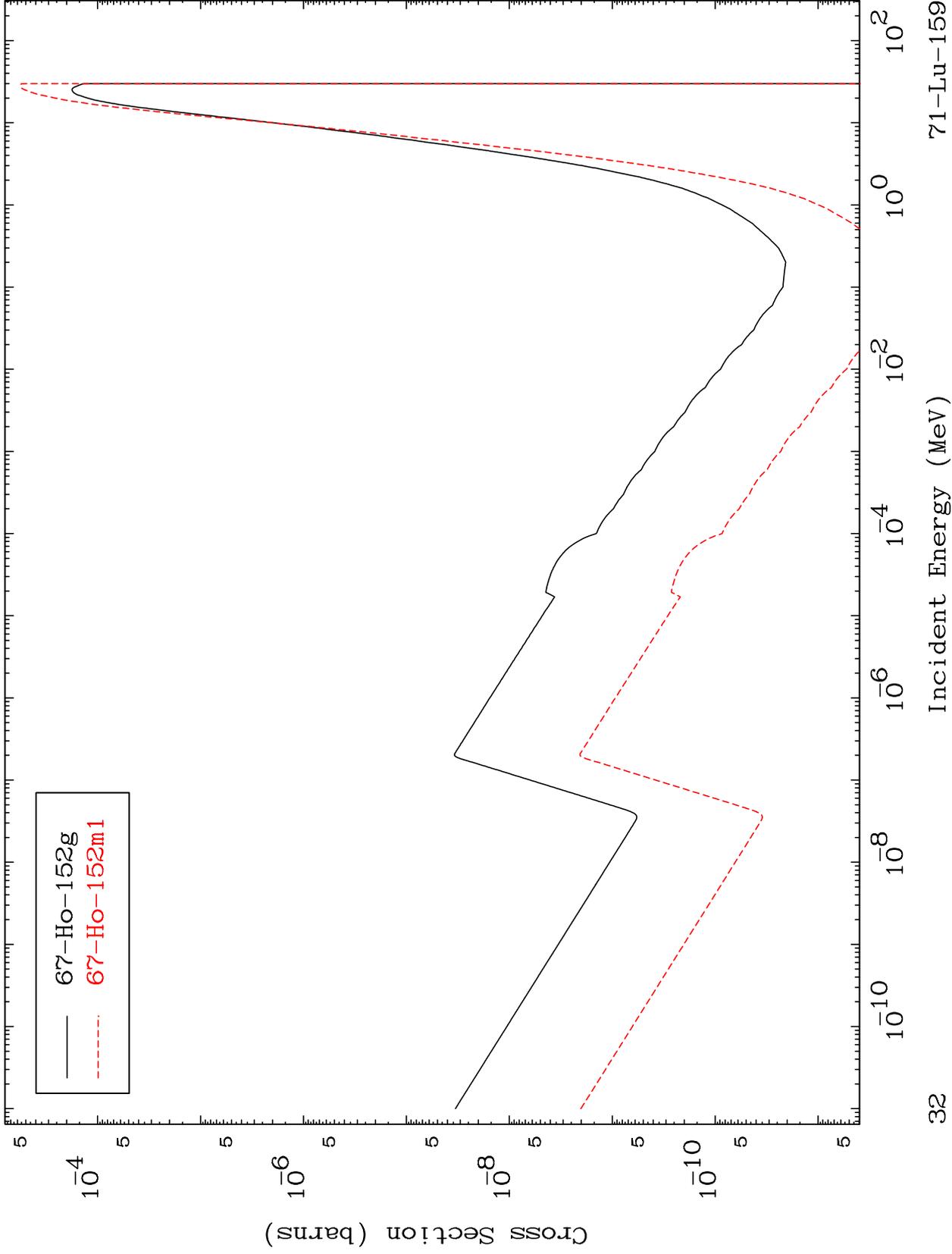
— <sup>71</sup>Lu-160g  
- - - <sup>71</sup>Lu-160m1

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(n,2α)

71-Lu-159

Radionuclide Production Cross Section

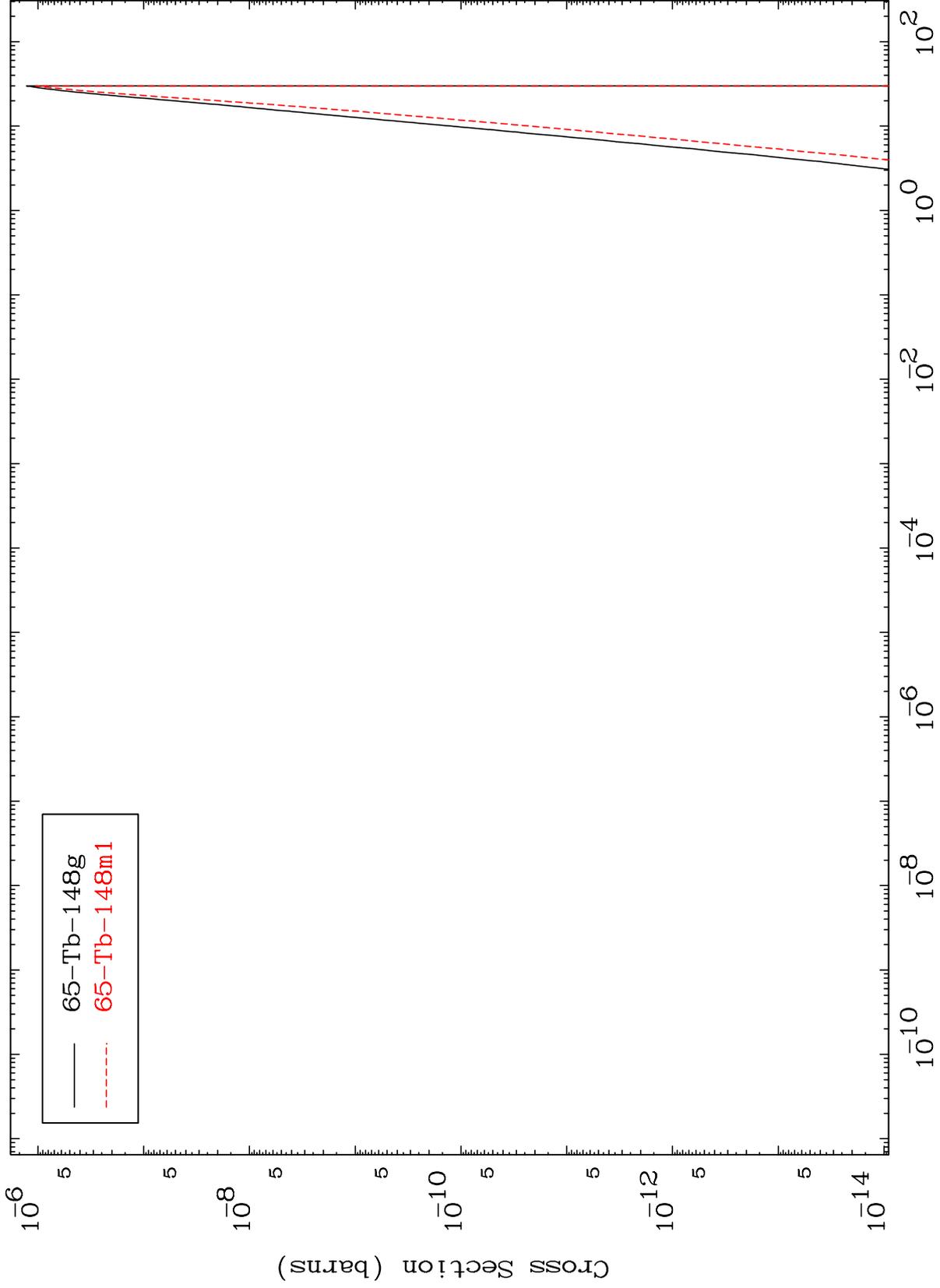


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(n, 3 $\alpha$ )

<sup>71</sup>Lu-159

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>71</sup>Lu-159

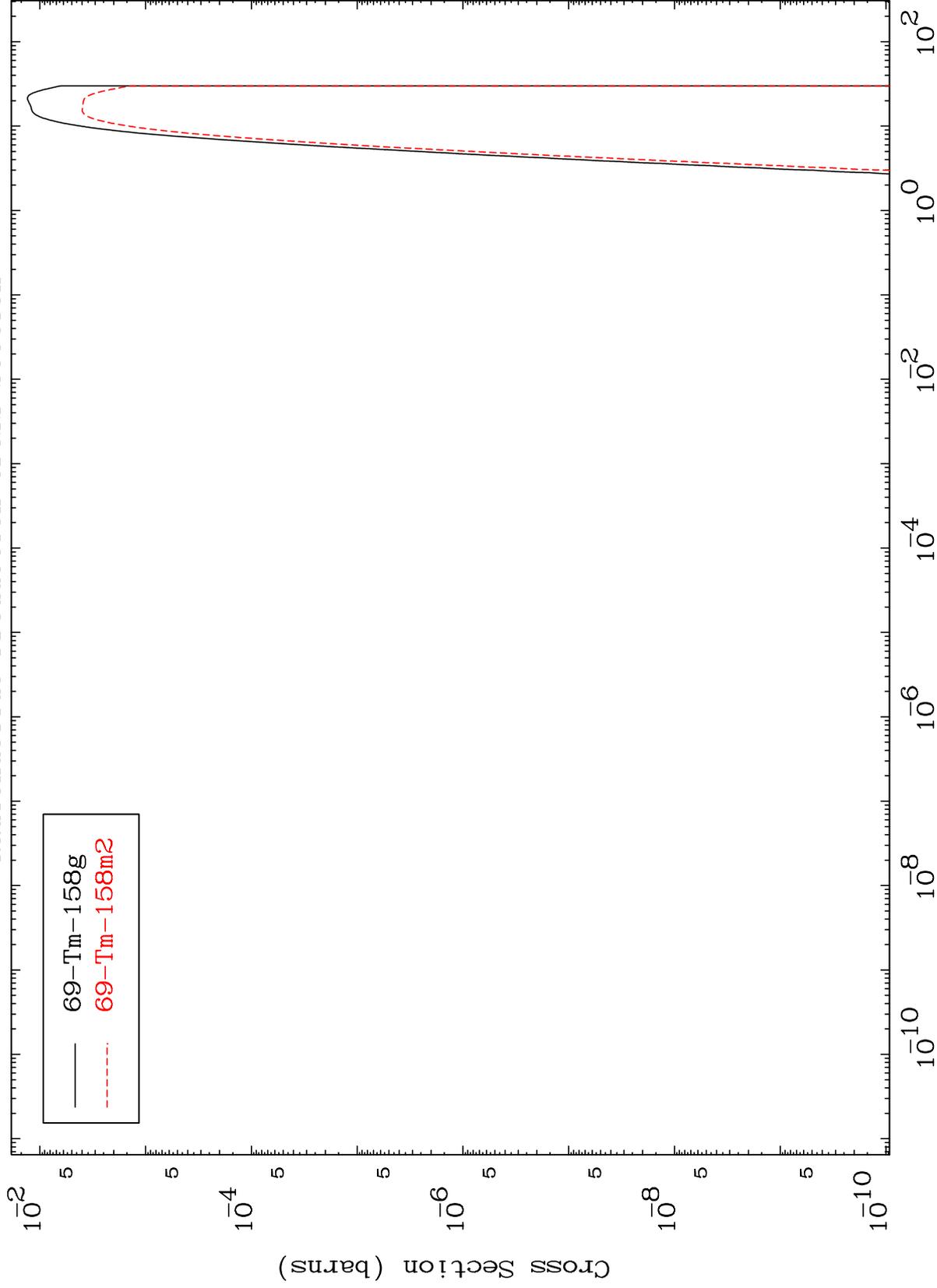
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(n,2p)

71-Lu-159

Radionuclide Production Cross Section



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Incident Energy (MeV)

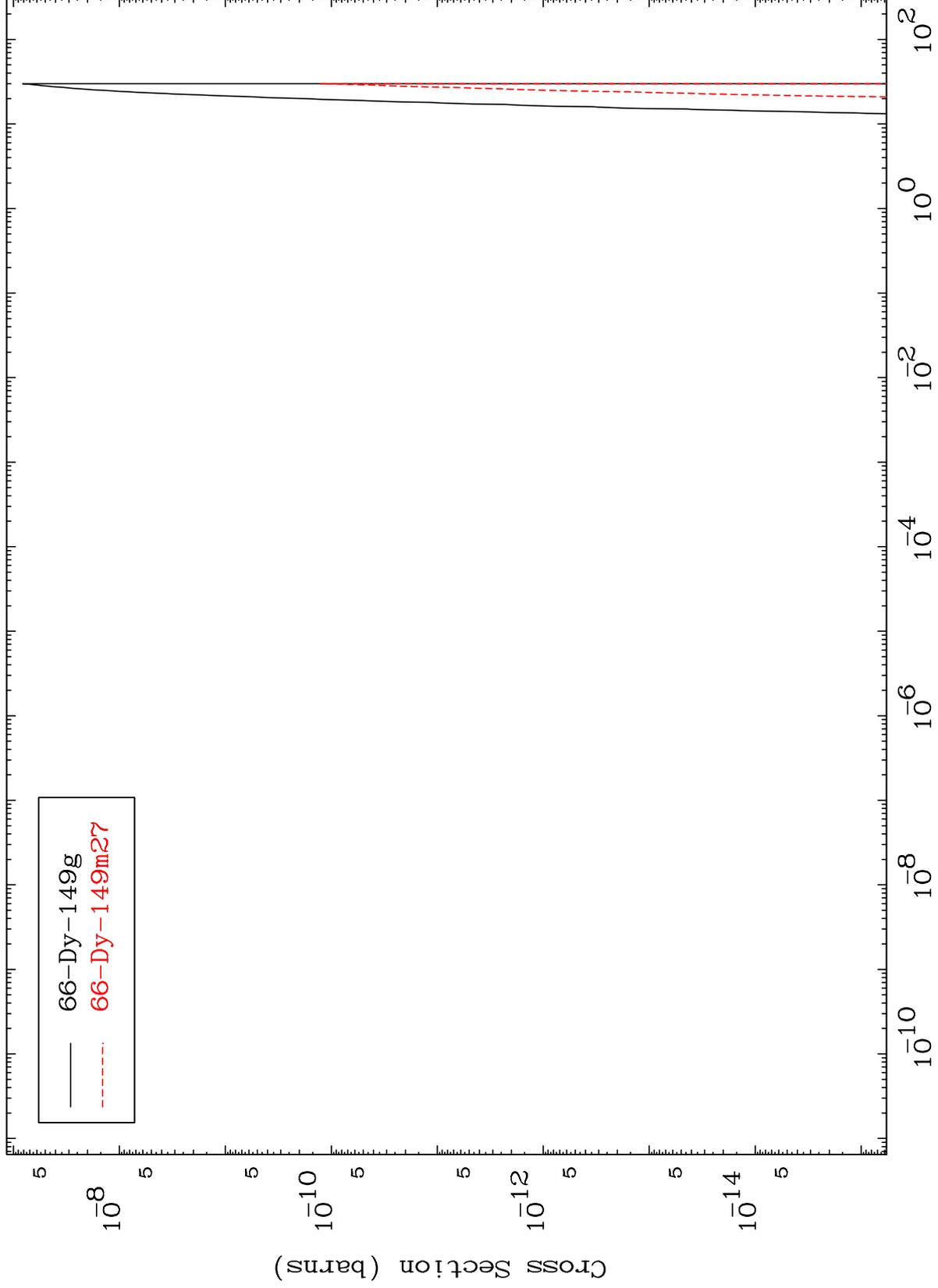
71-Lu-159

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(n,t) 2 $\alpha$

71-Lu-159

Radionuclide Production Cross Section



35

Incident Energy (MeV)

71-Lu-159