

Program EVALPLOT
(Version 2015-2)

by

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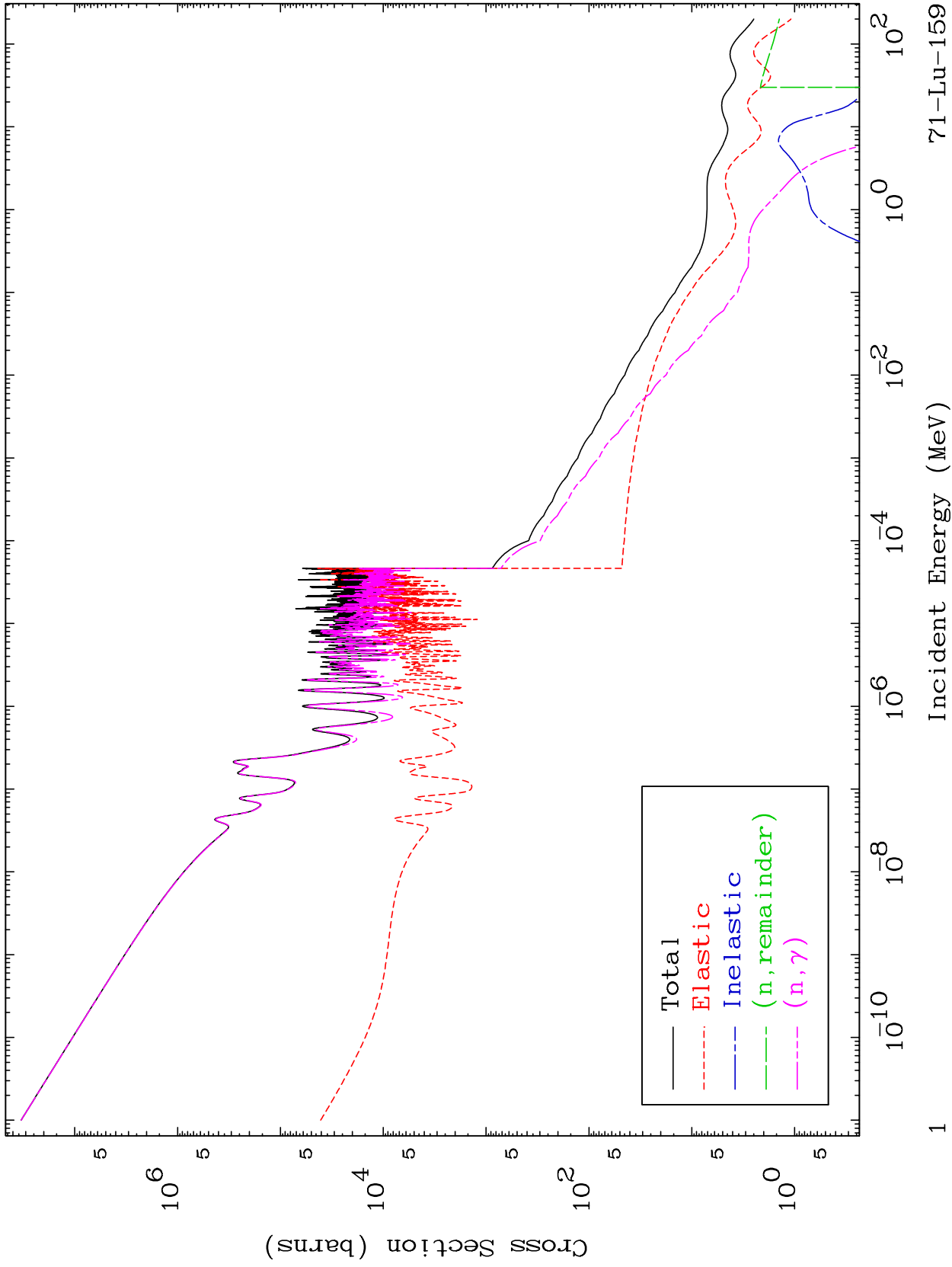
Press Mouse Button to Start

MAT 7077

Major

293 Kelvin Cross Sections

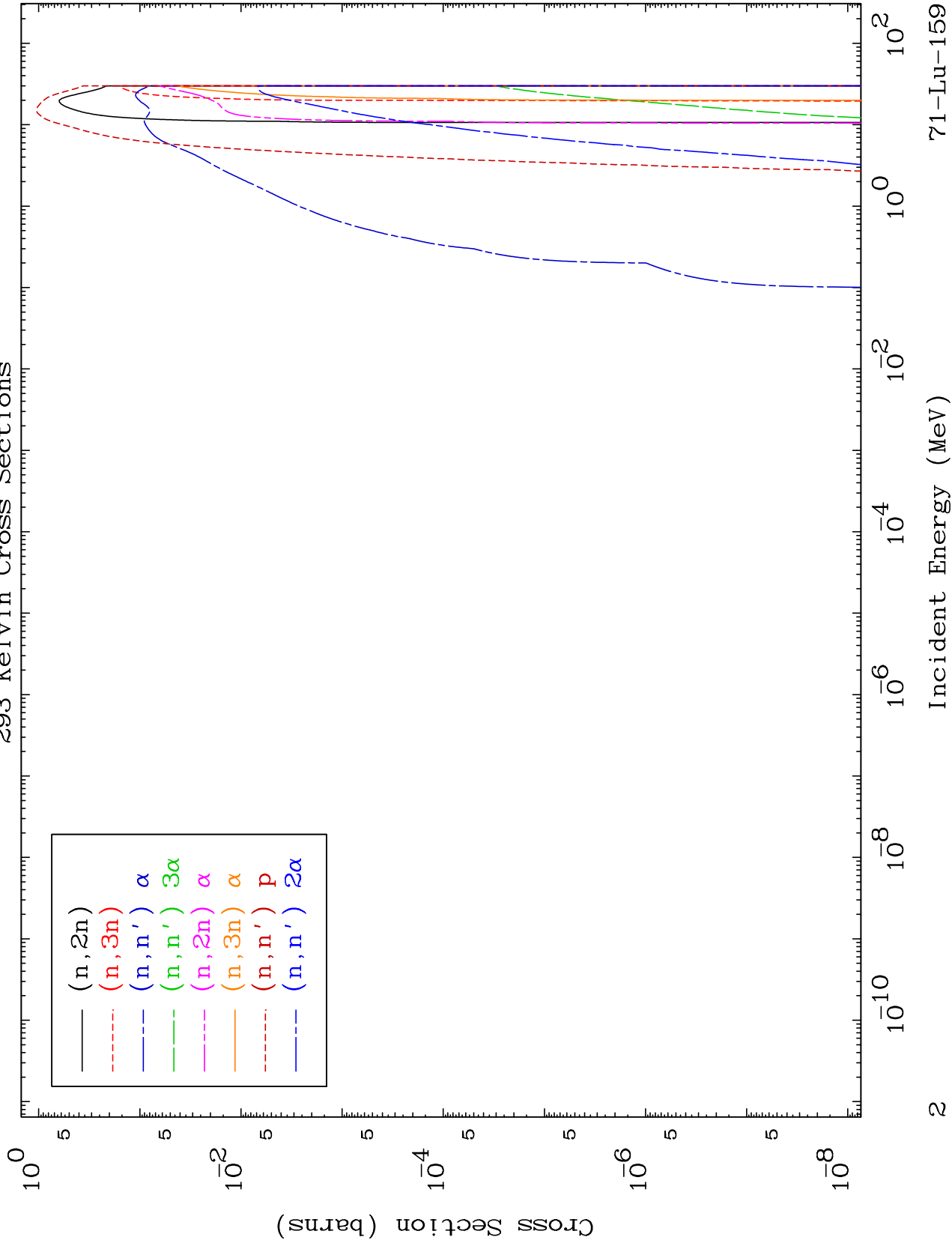
71-Lu-159



MAT 7077

Neutron Production
293 Kelvin Cross Sections

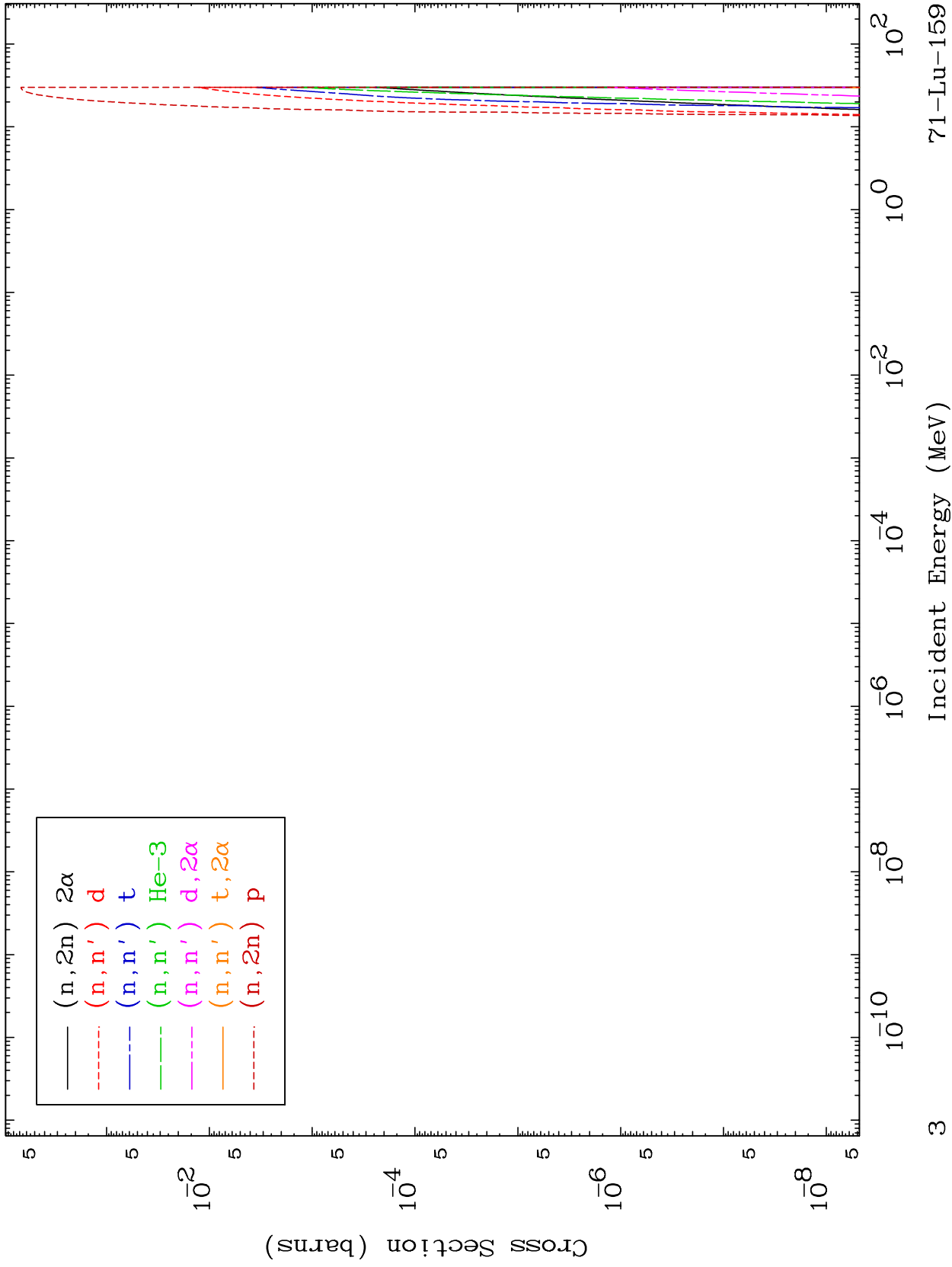
71-Lu-159



MAT 7077

Neutron Production
293 Kelvin Cross Sections

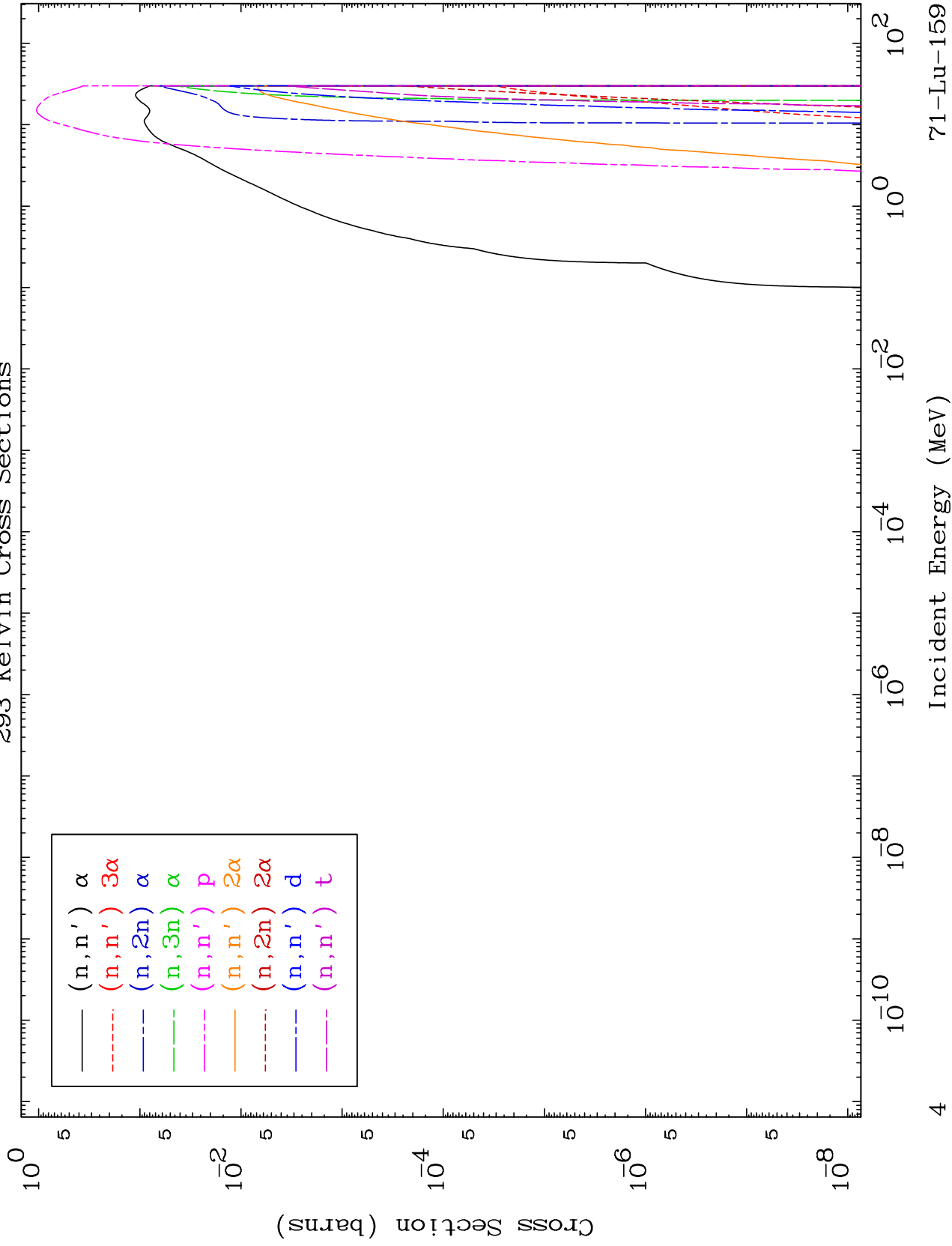
71-Lu-159



MAT 70777

Charged Particle
293 Kelvin Cross Sections

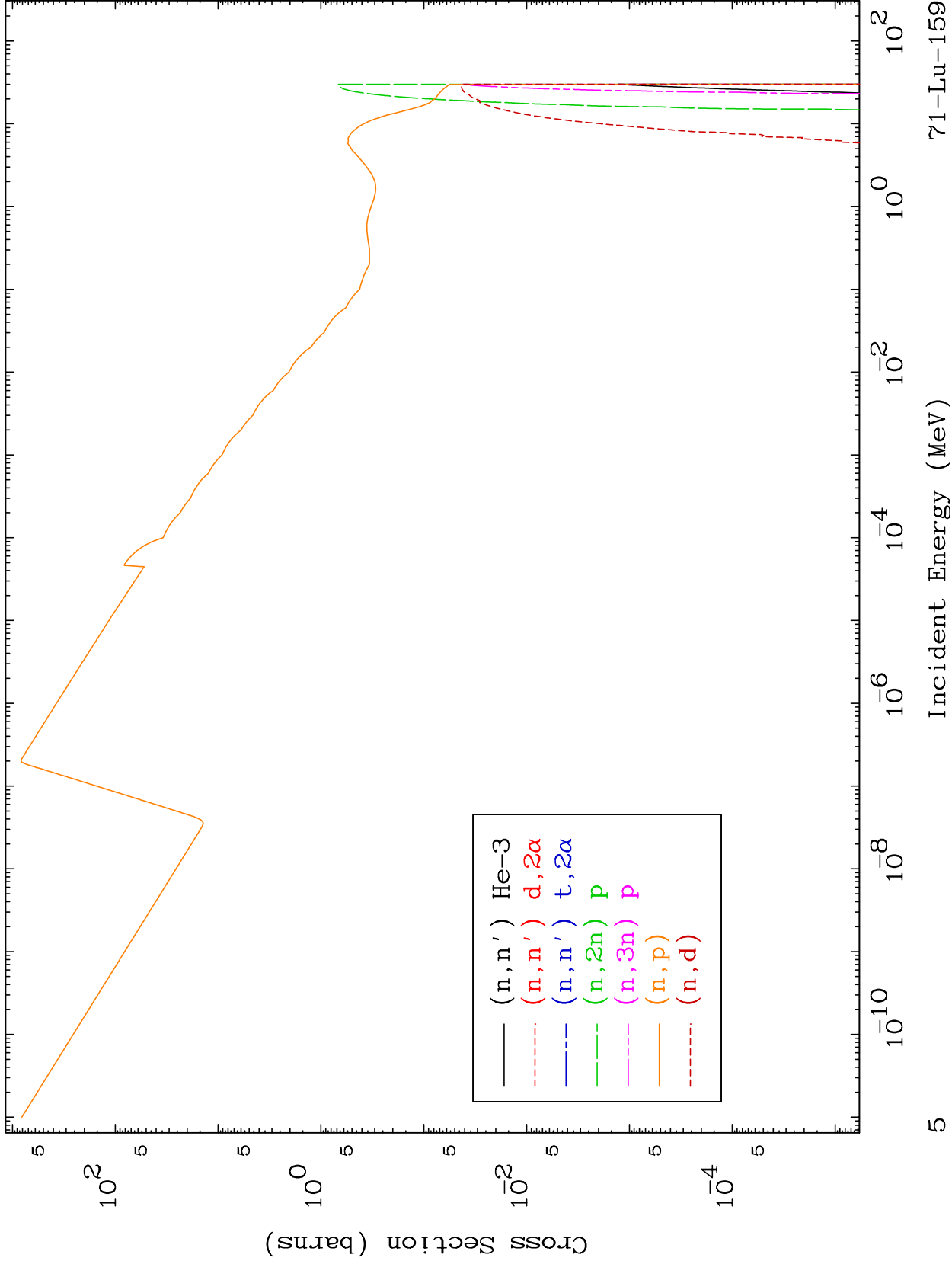
71-Lu-159



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Charged Particle
293 Kelvin Cross Sections

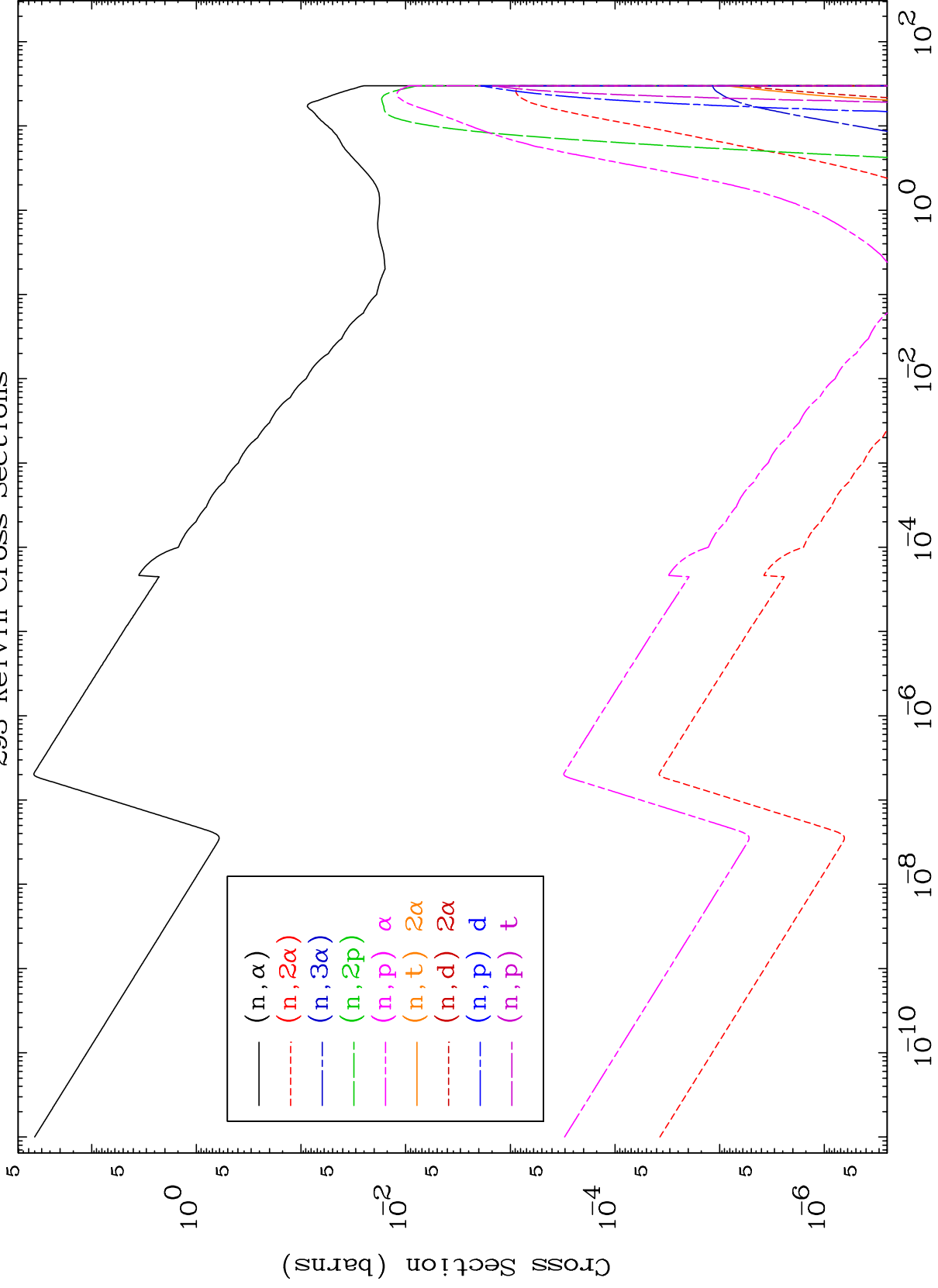
71-Lu-159



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Charged Particle
293 Kelvin Cross Sections

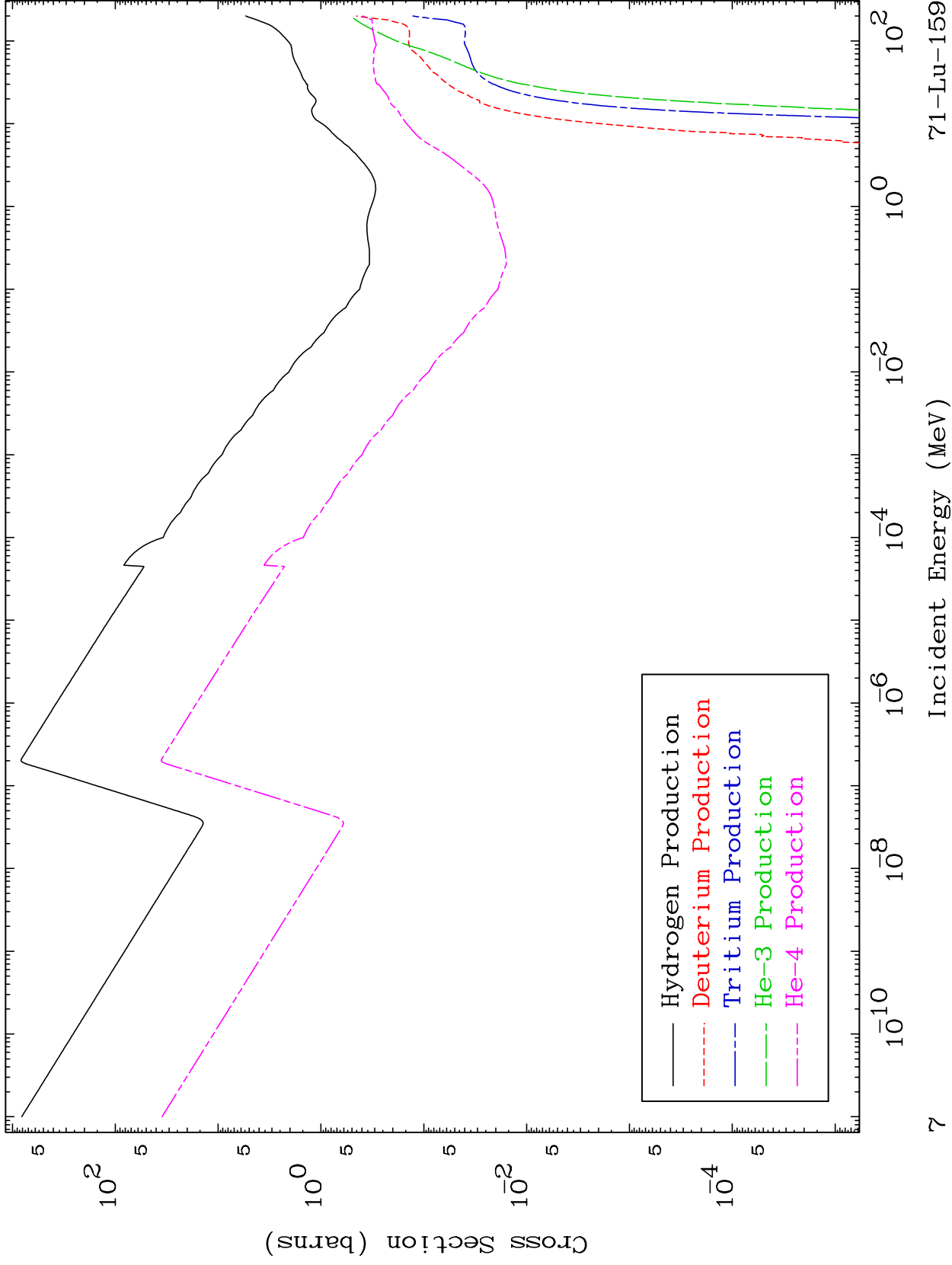
71-Lu-159

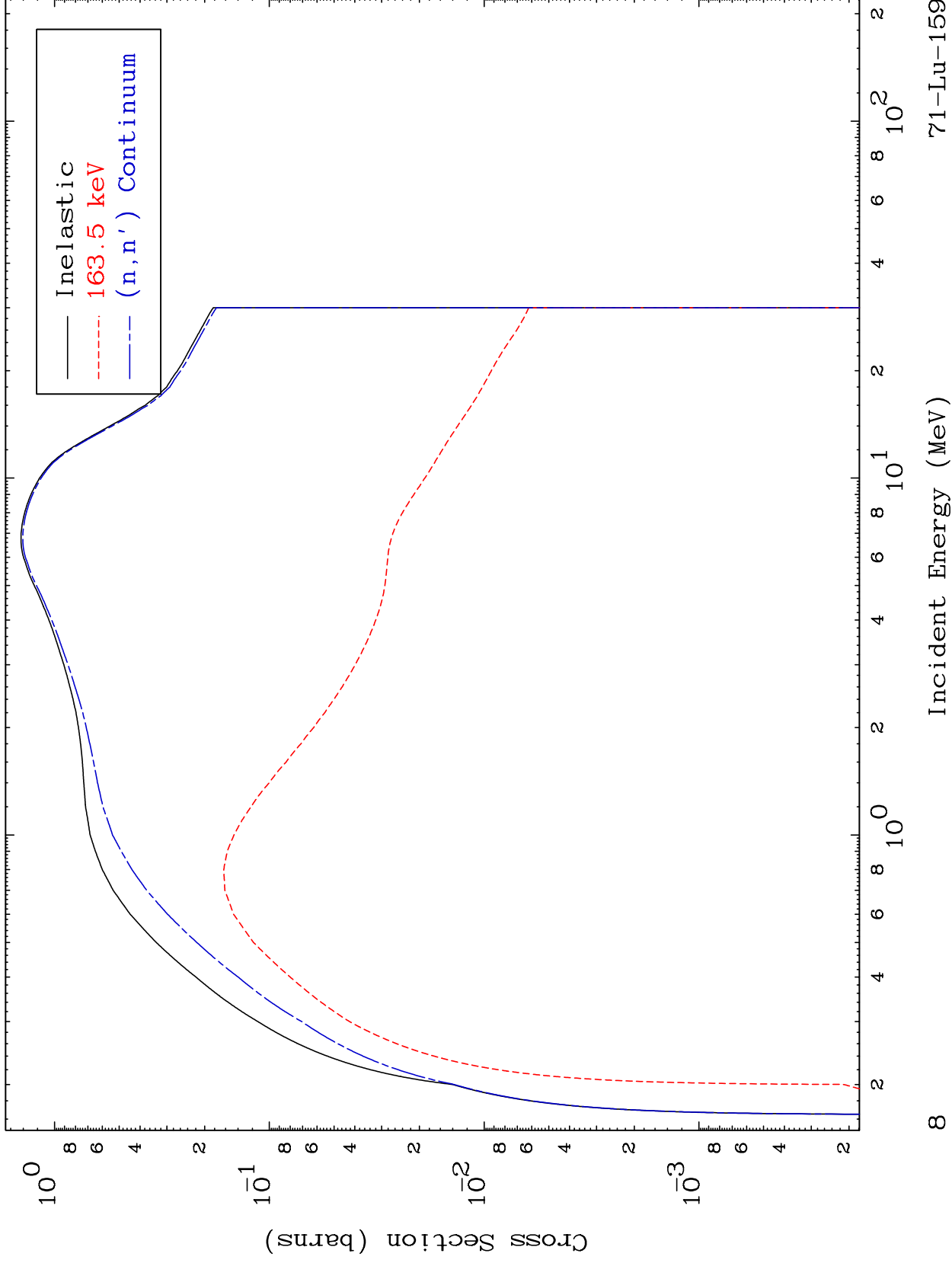


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Particle Production
293 Kelvin Cross Sections

71-Lu-159

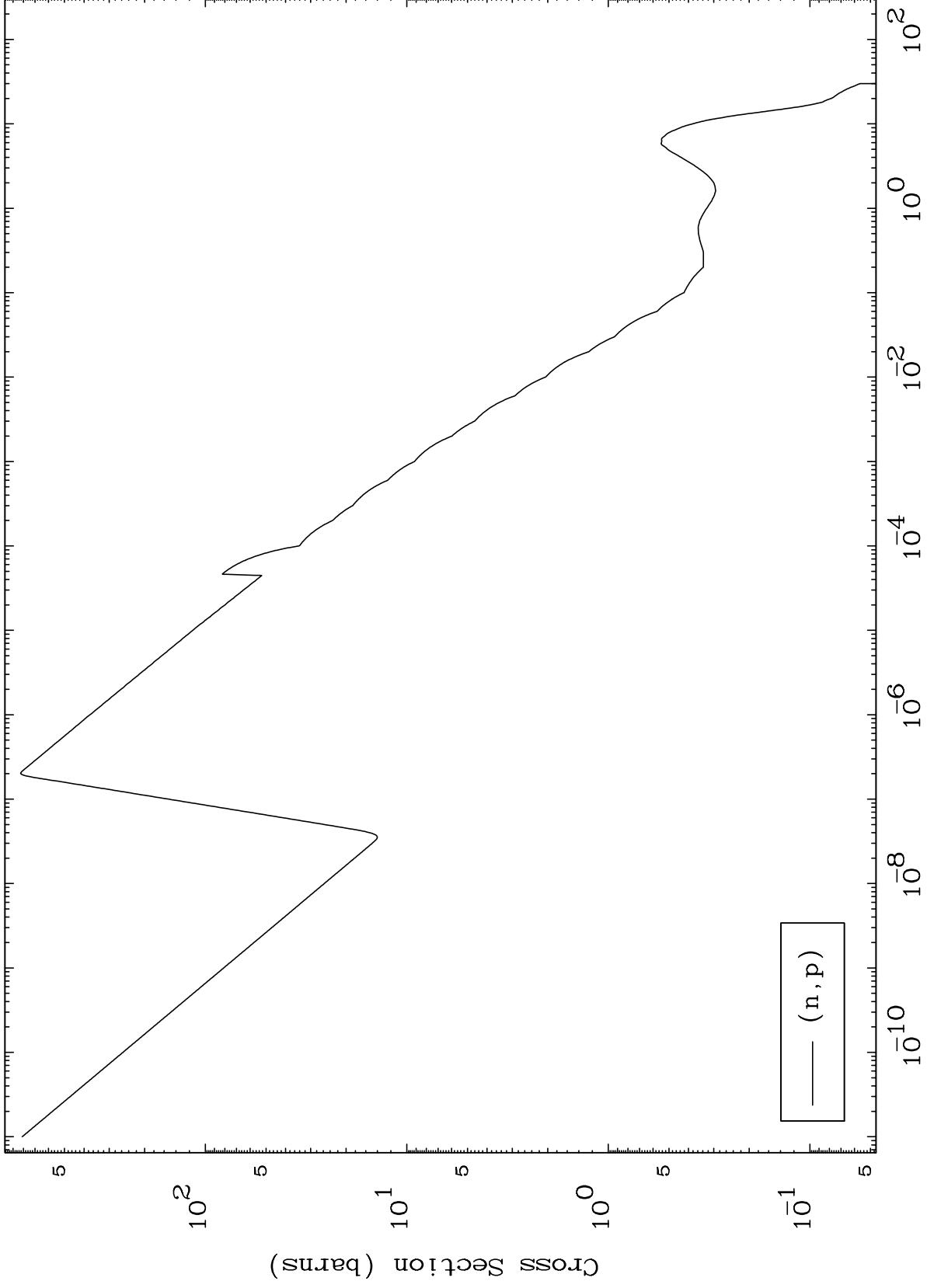




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(n,p) Levels
293 Kelvin Cross Sections

71-Lu-159



9

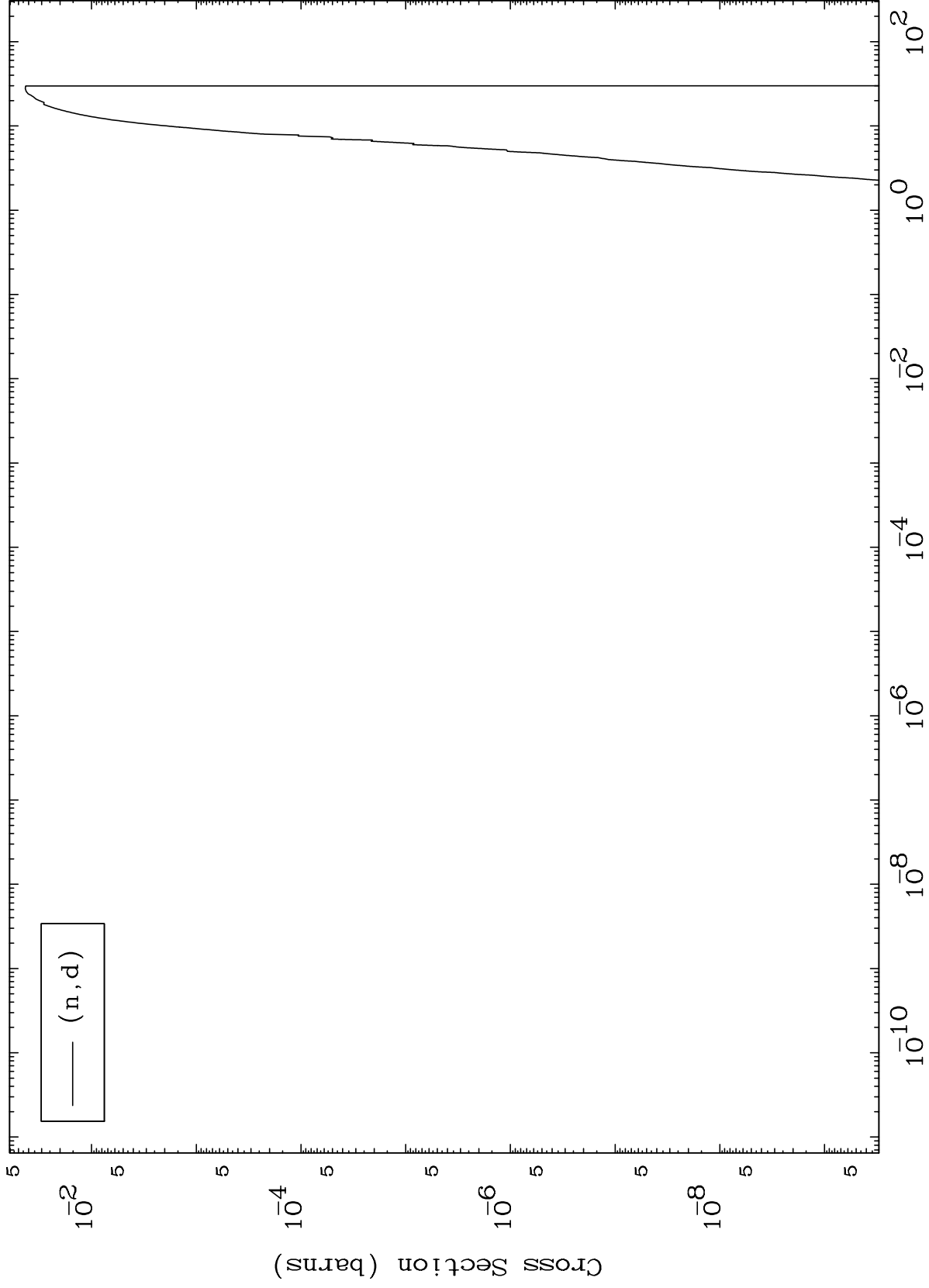
Incident Energy (MeV)

71-Lu-159

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(n,d) Levels
293 Kelvin Cross Sections

71-Lu-159



10

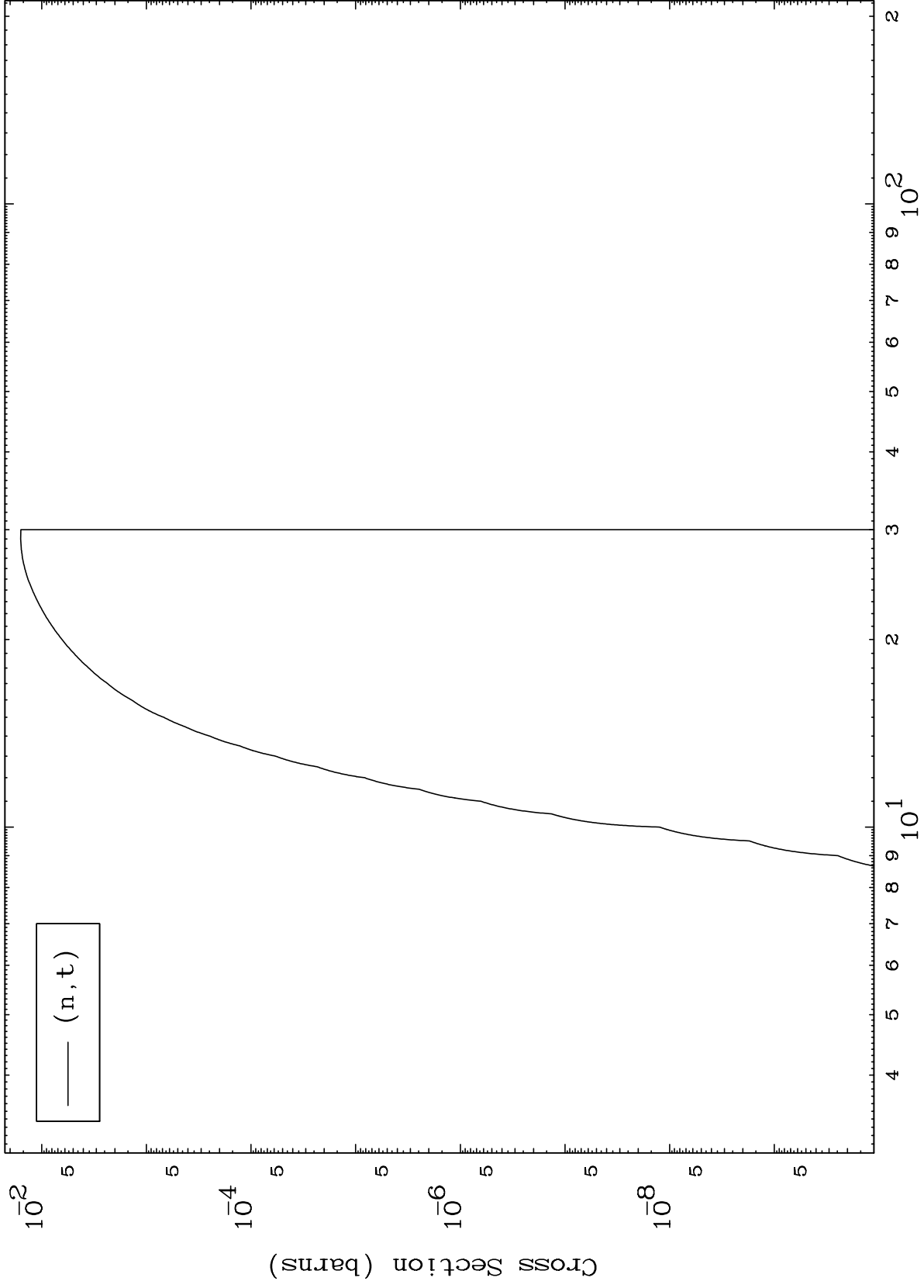
Incident Energy (MeV)

71-Lu-159

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(n,t) Levels
293 Kelvin Cross Sections

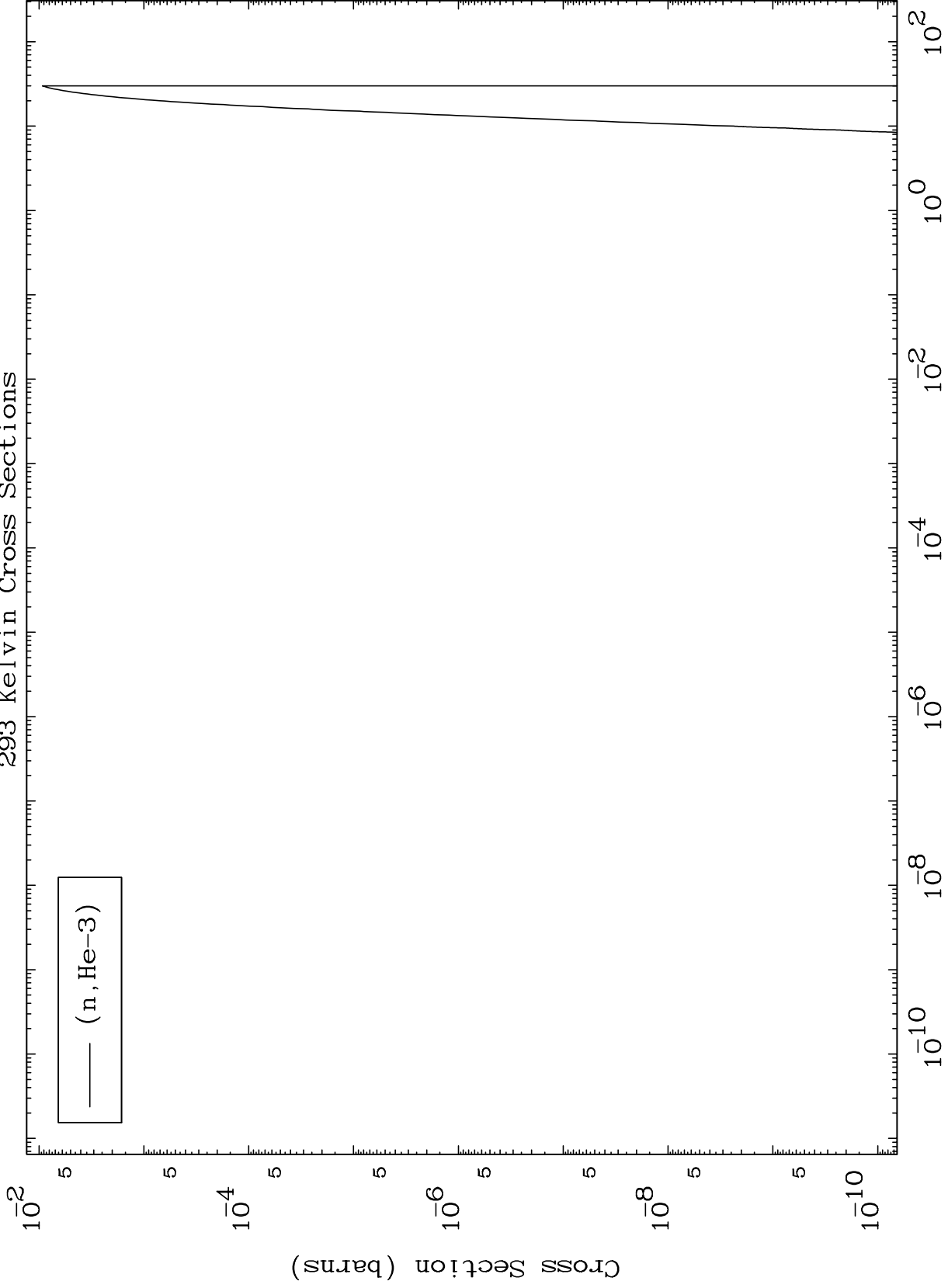
71-Lu-159



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(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-159

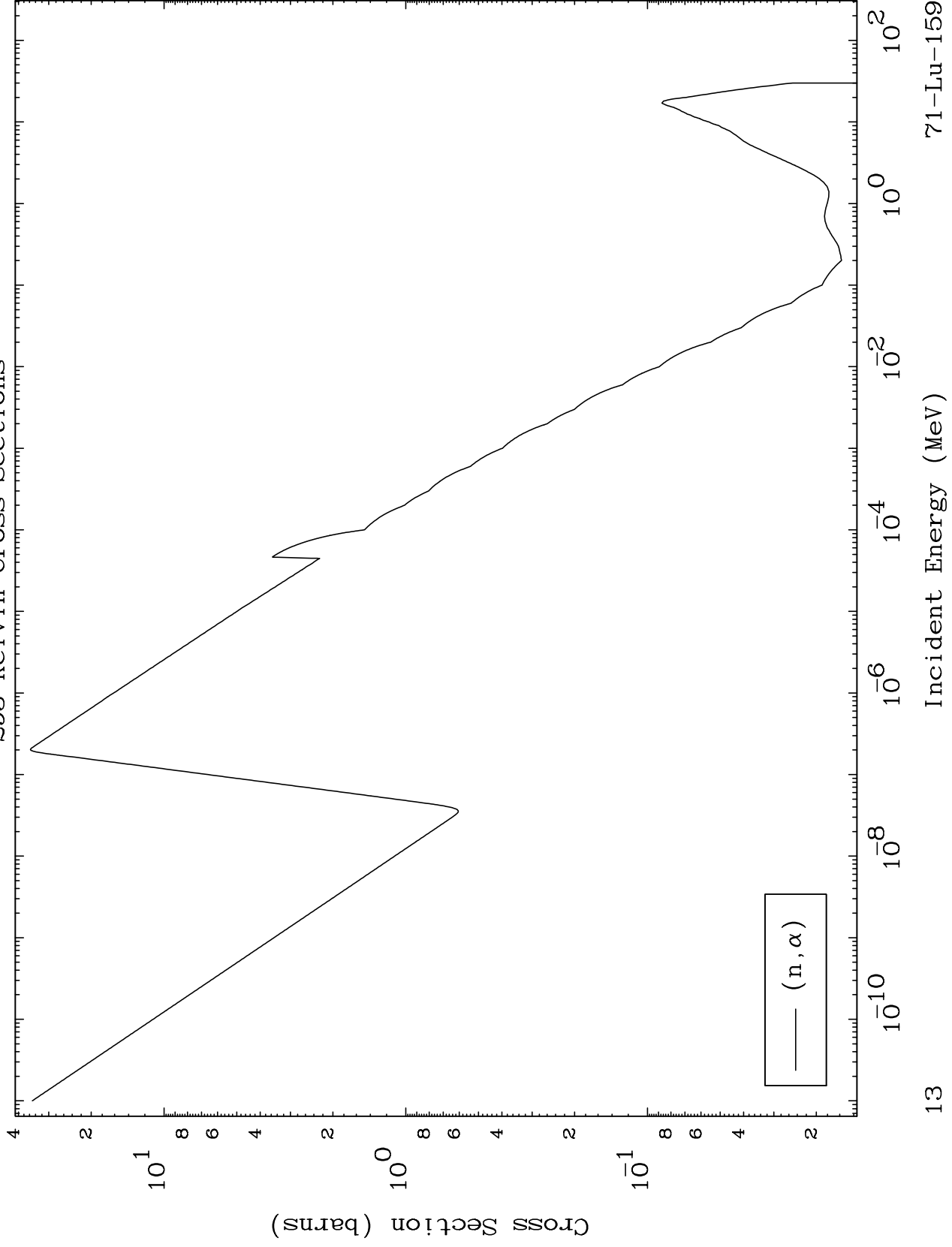


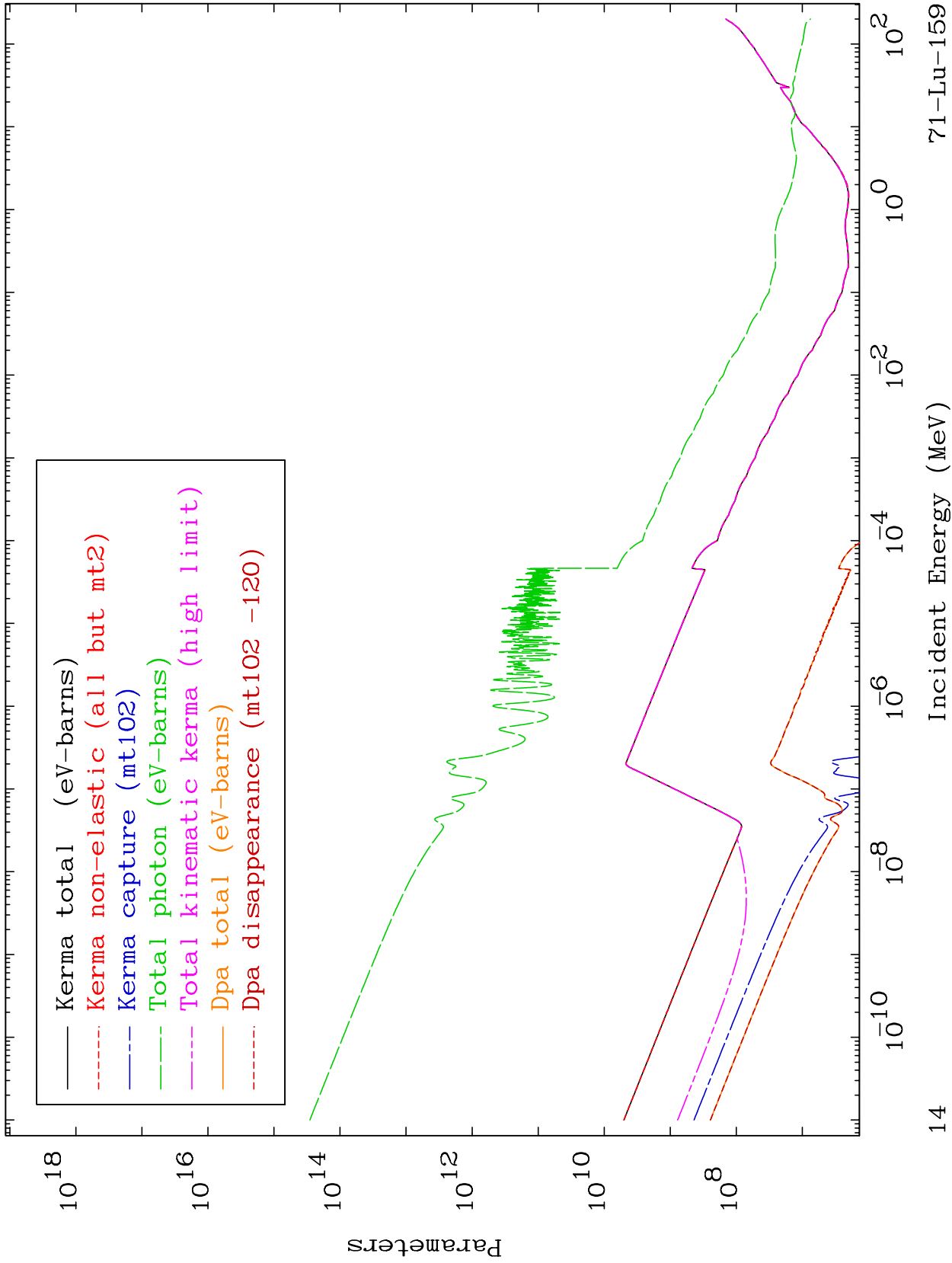
(n, He-3)

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(n,α) Levels
293 Kelvin Cross Sections

71-Lu-159

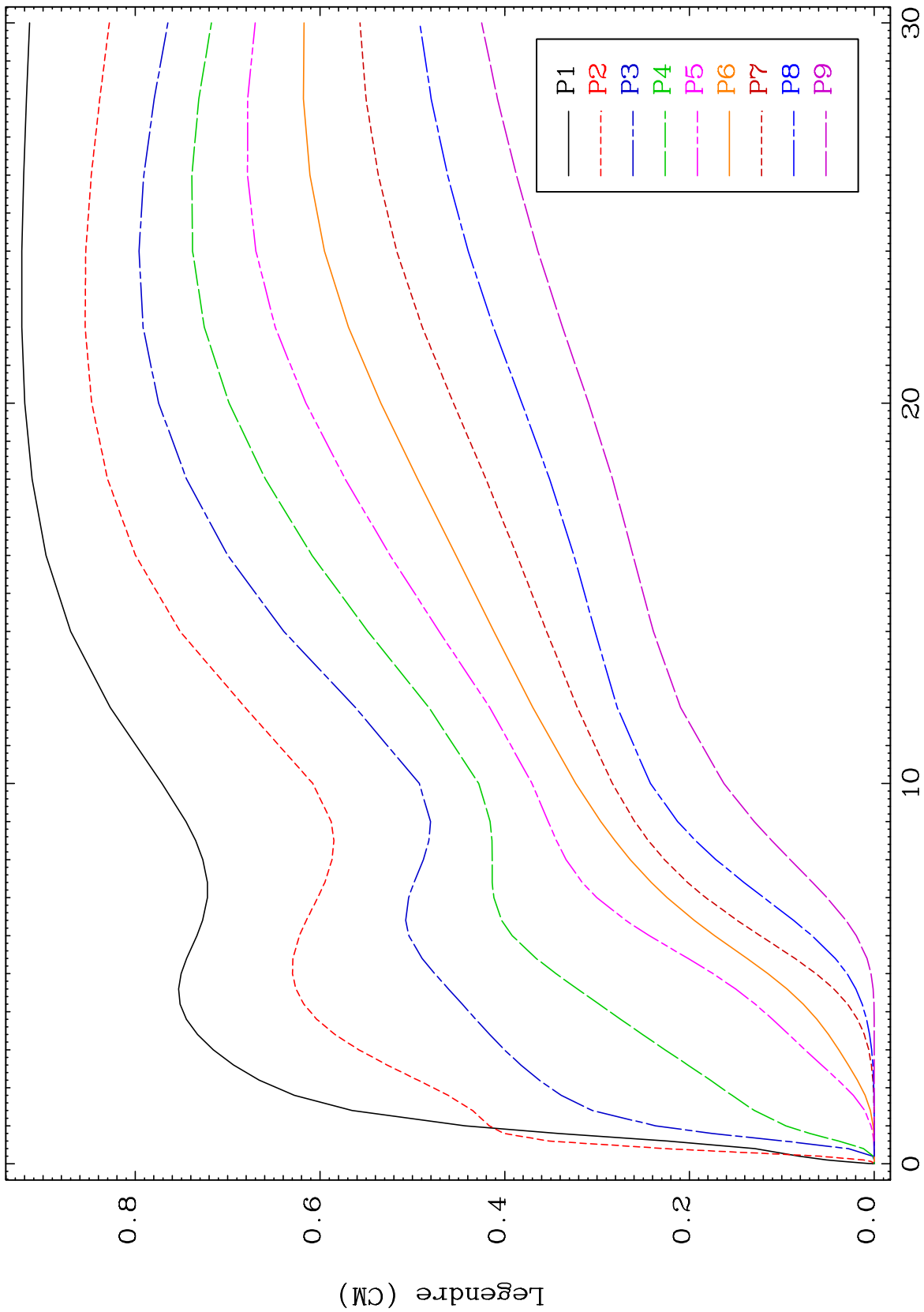




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71-Lu-159

Elastic Legendre Coefficients



71-Lu-159

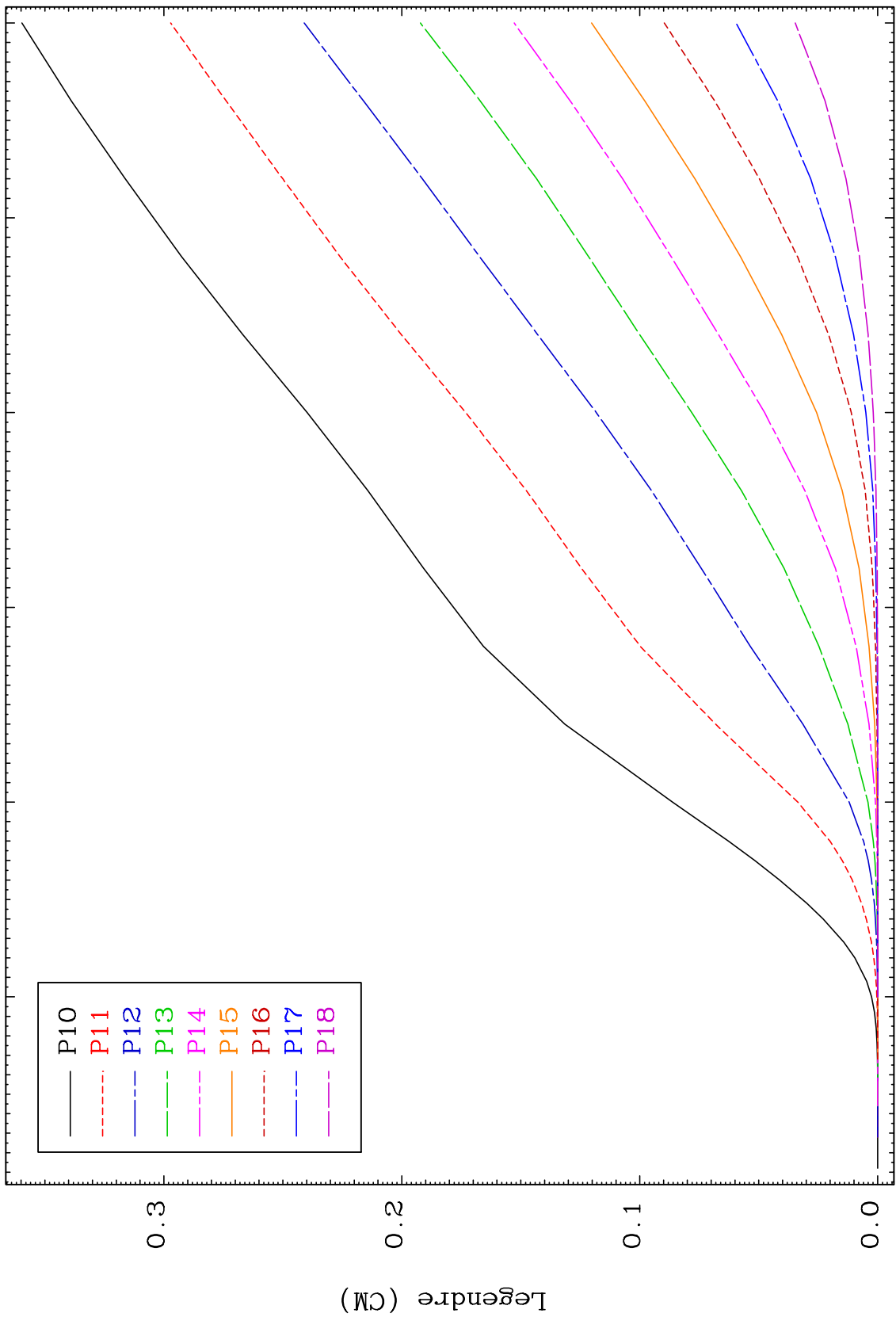
Incident Energy (MeV)

15

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Elastic Legendre Coefficients

⁷¹Lu-159



16

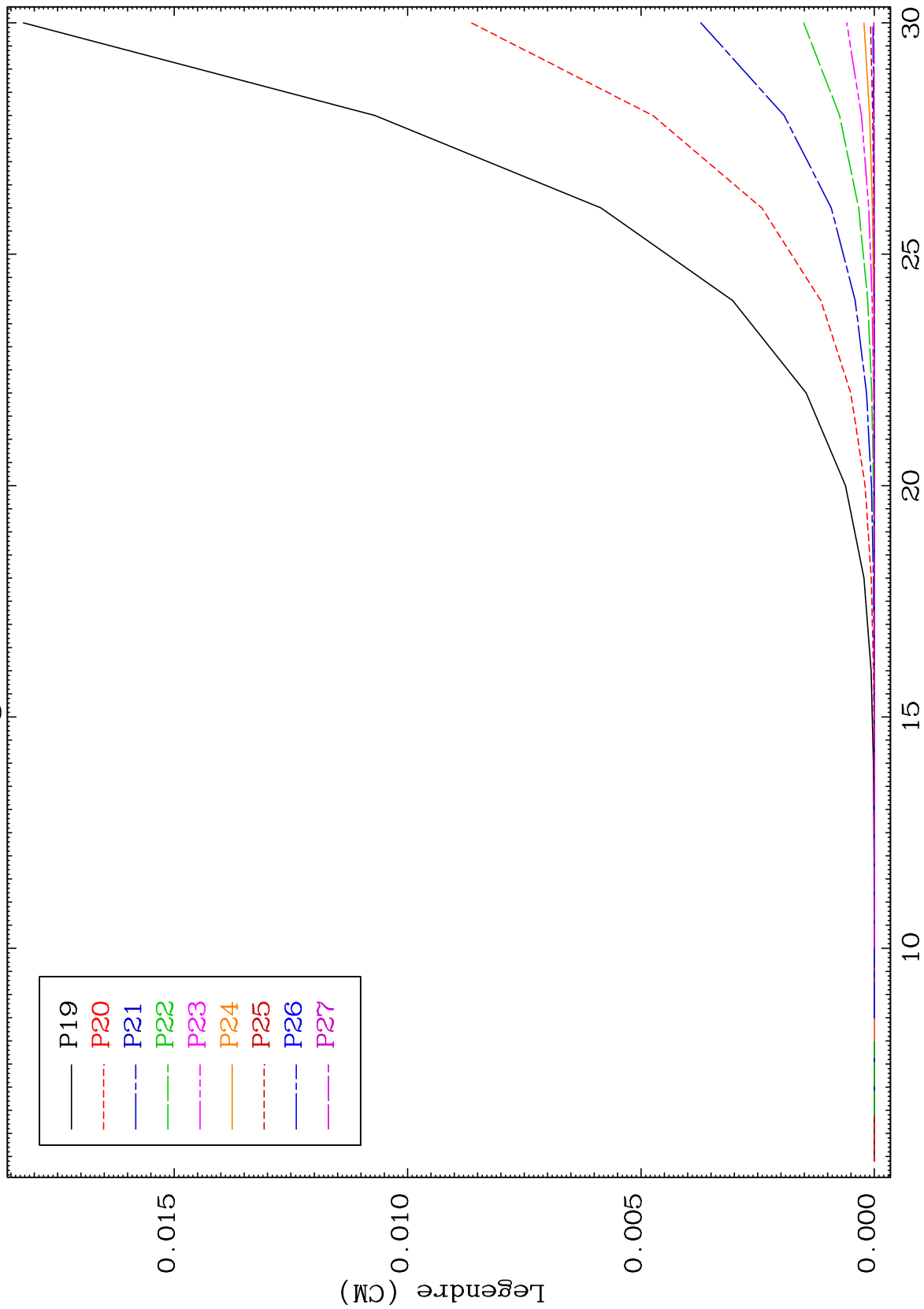
Incident Energy (MeV)

⁷¹Lu-159

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Elastic Legendre Coefficients

71-Lu-159



17

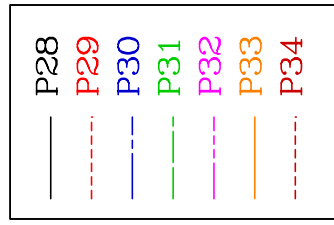
Incident Energy (MeV)

71-Lu-159

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Elastic
Legendre Coefficients

71-Lu-159



$\times 10^{-6}$

Legendre (CM)

2

1

0

15

20

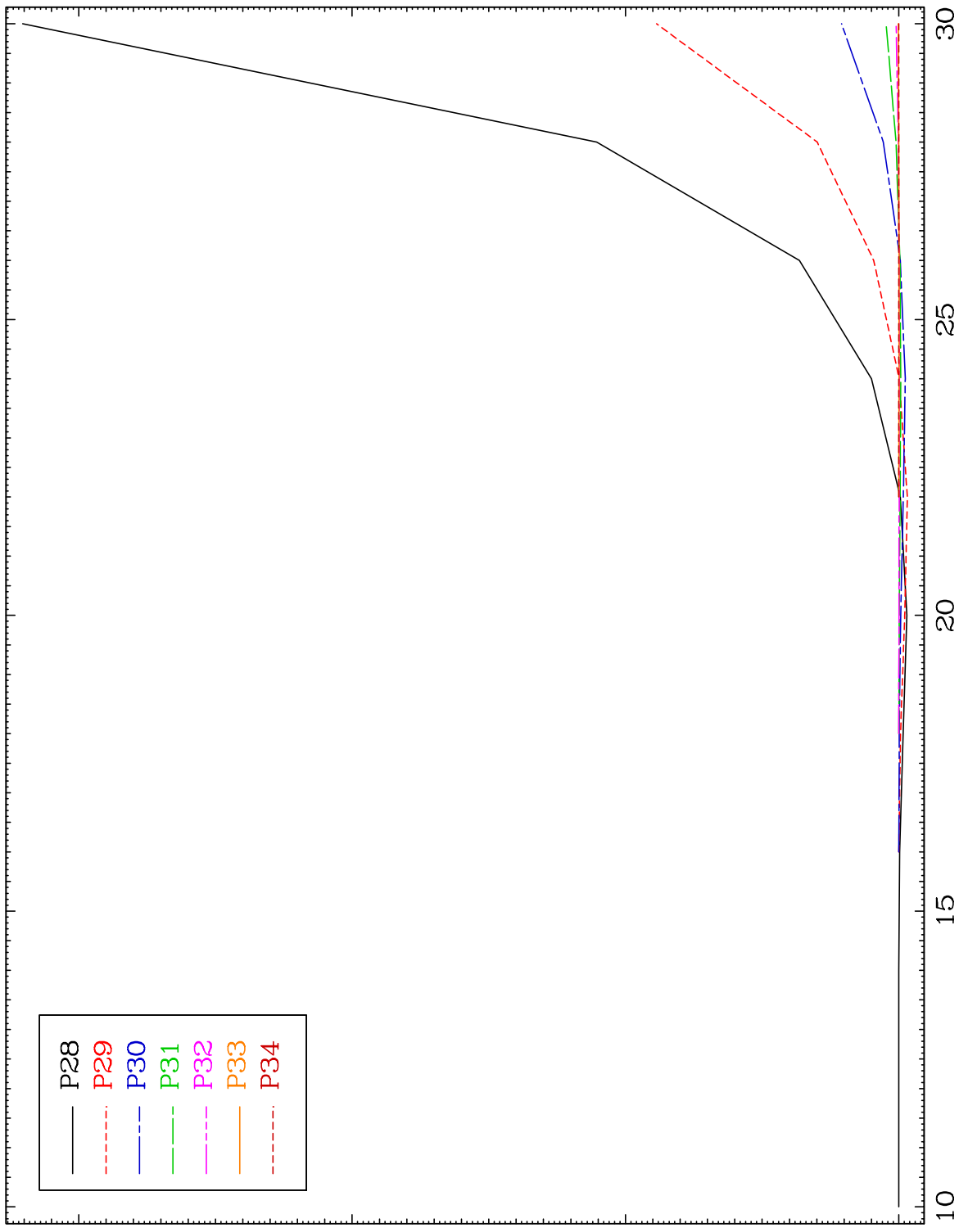
25

30

18

Incident Energy (MeV)

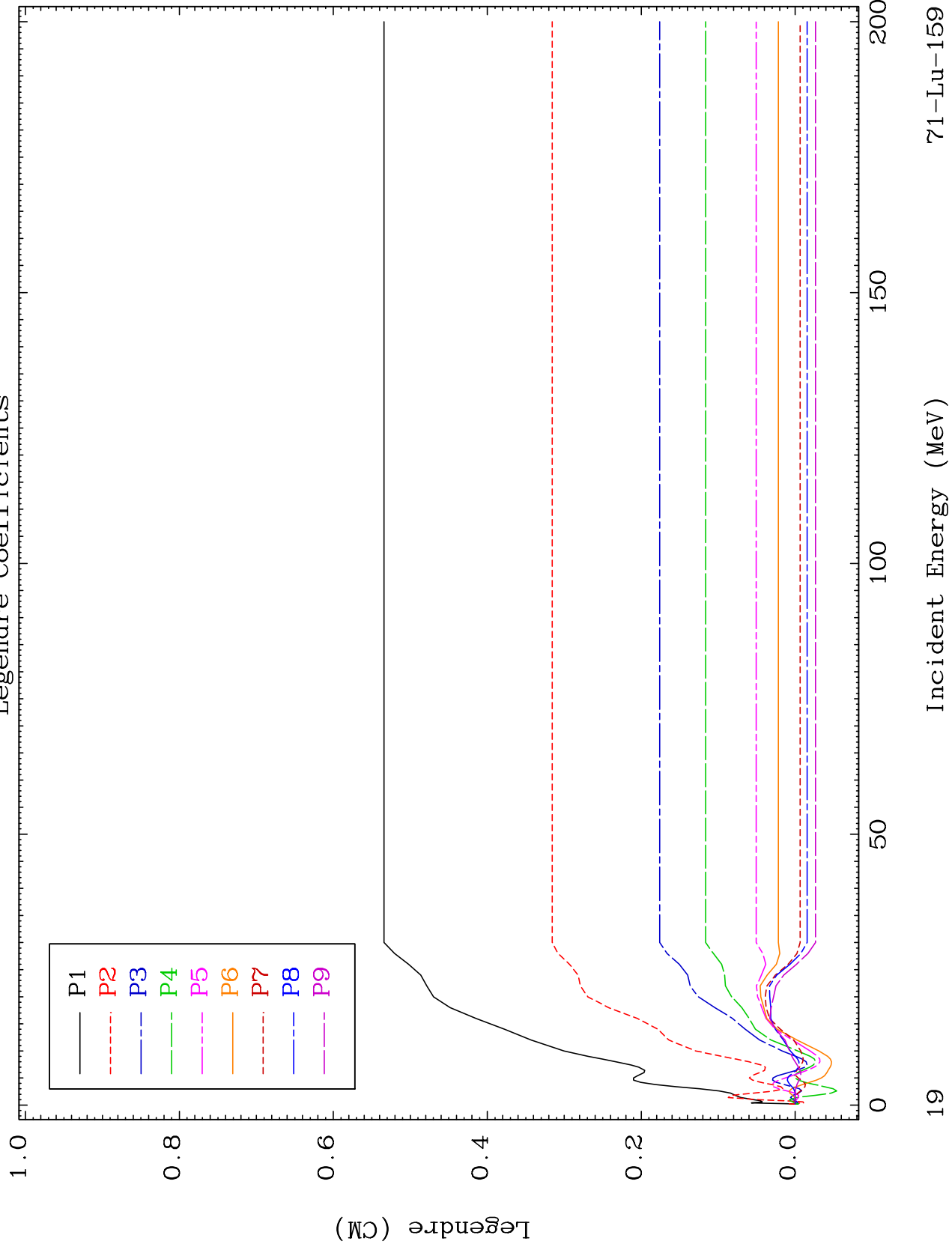
71-Lu-159

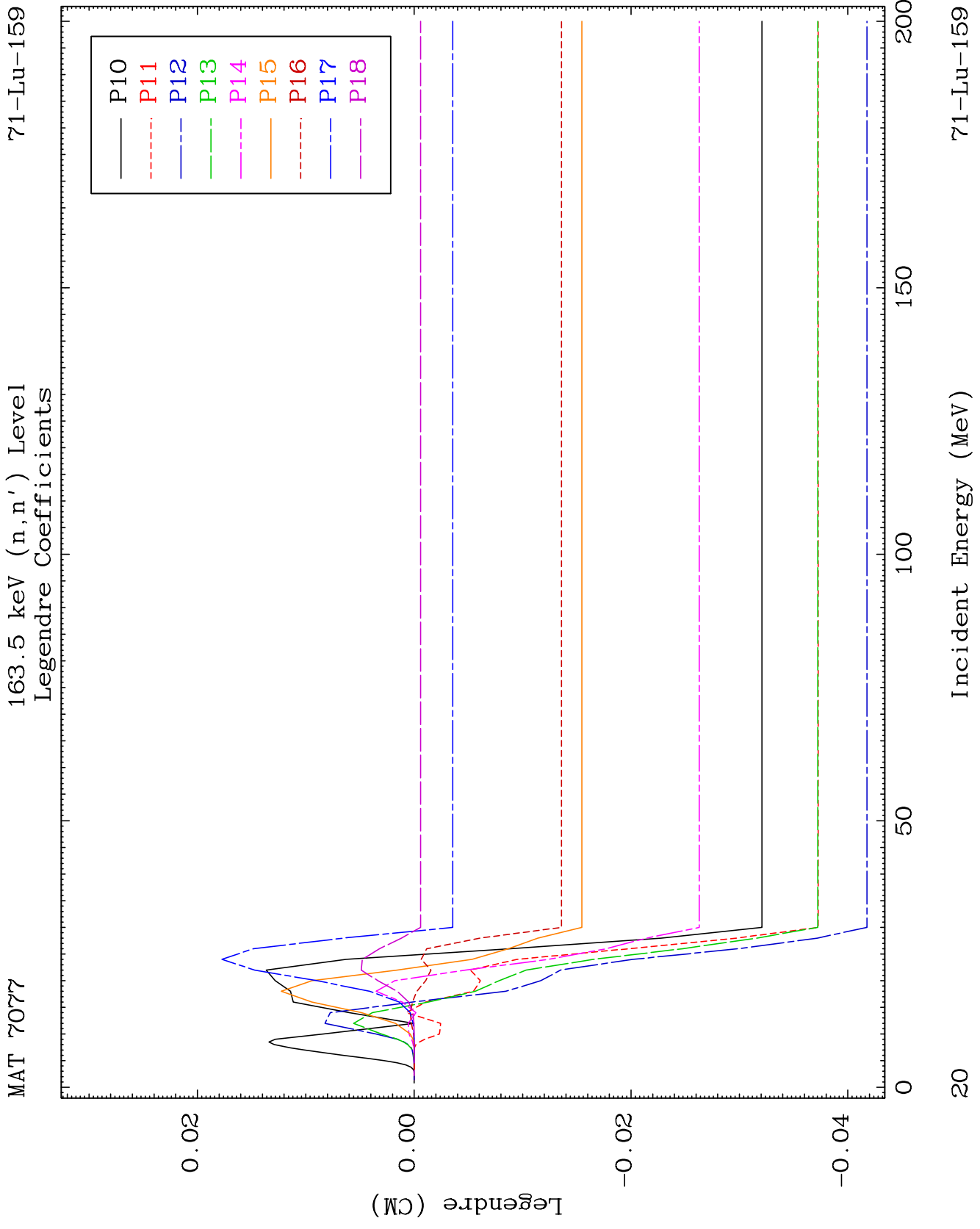


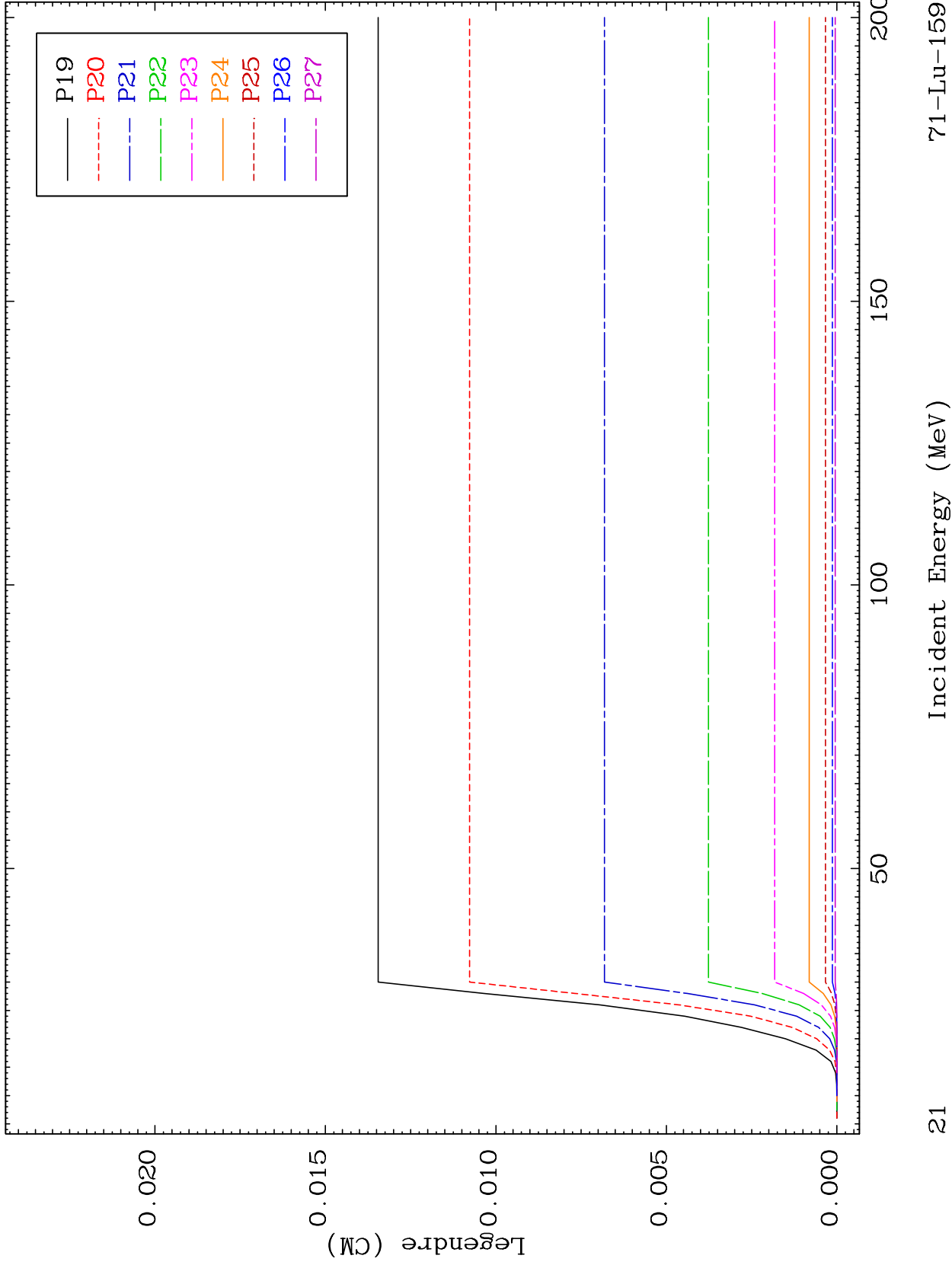
MAT 7077

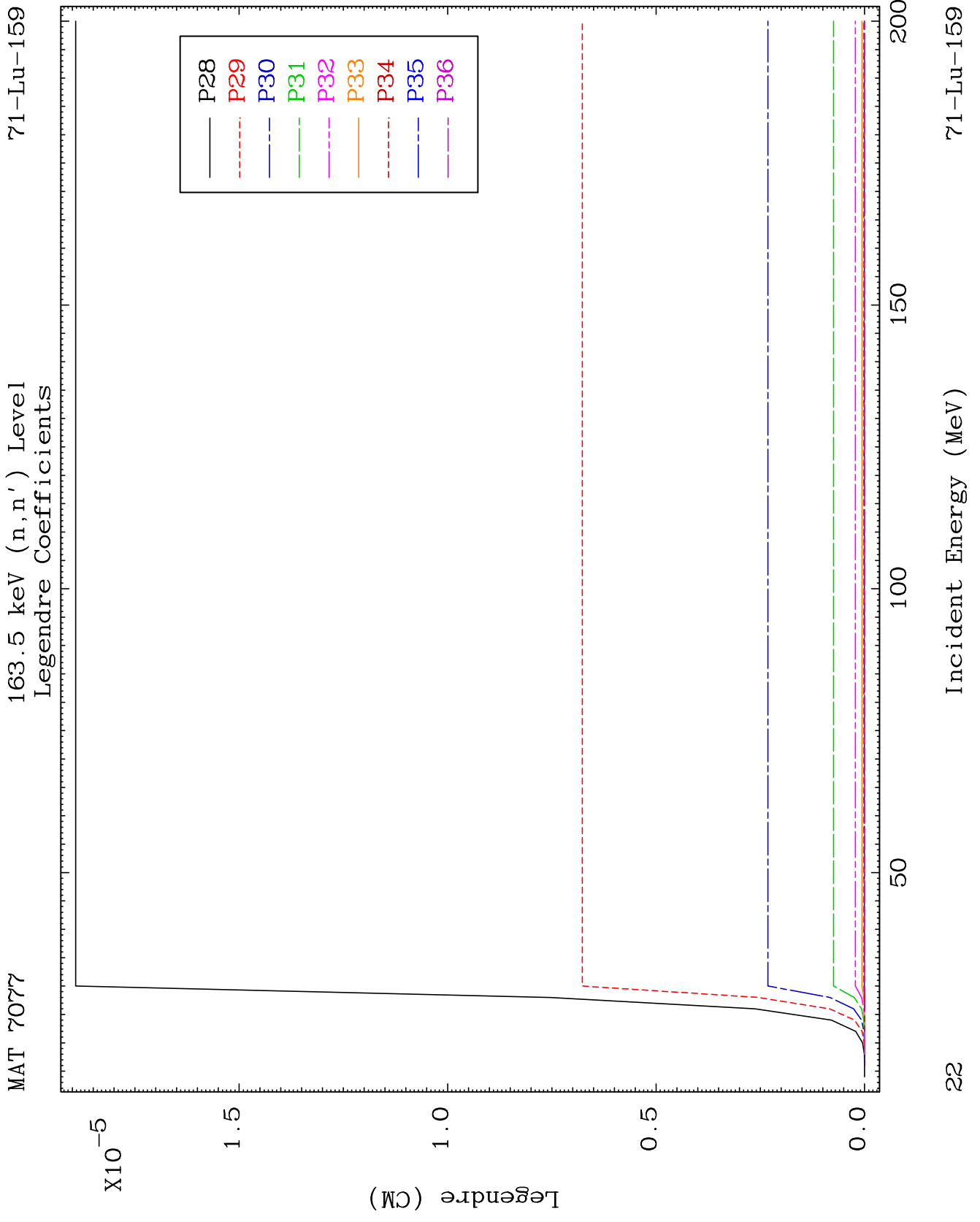
163.5 keV (n, n') Level
Legendre Coefficients

71-Lu-159







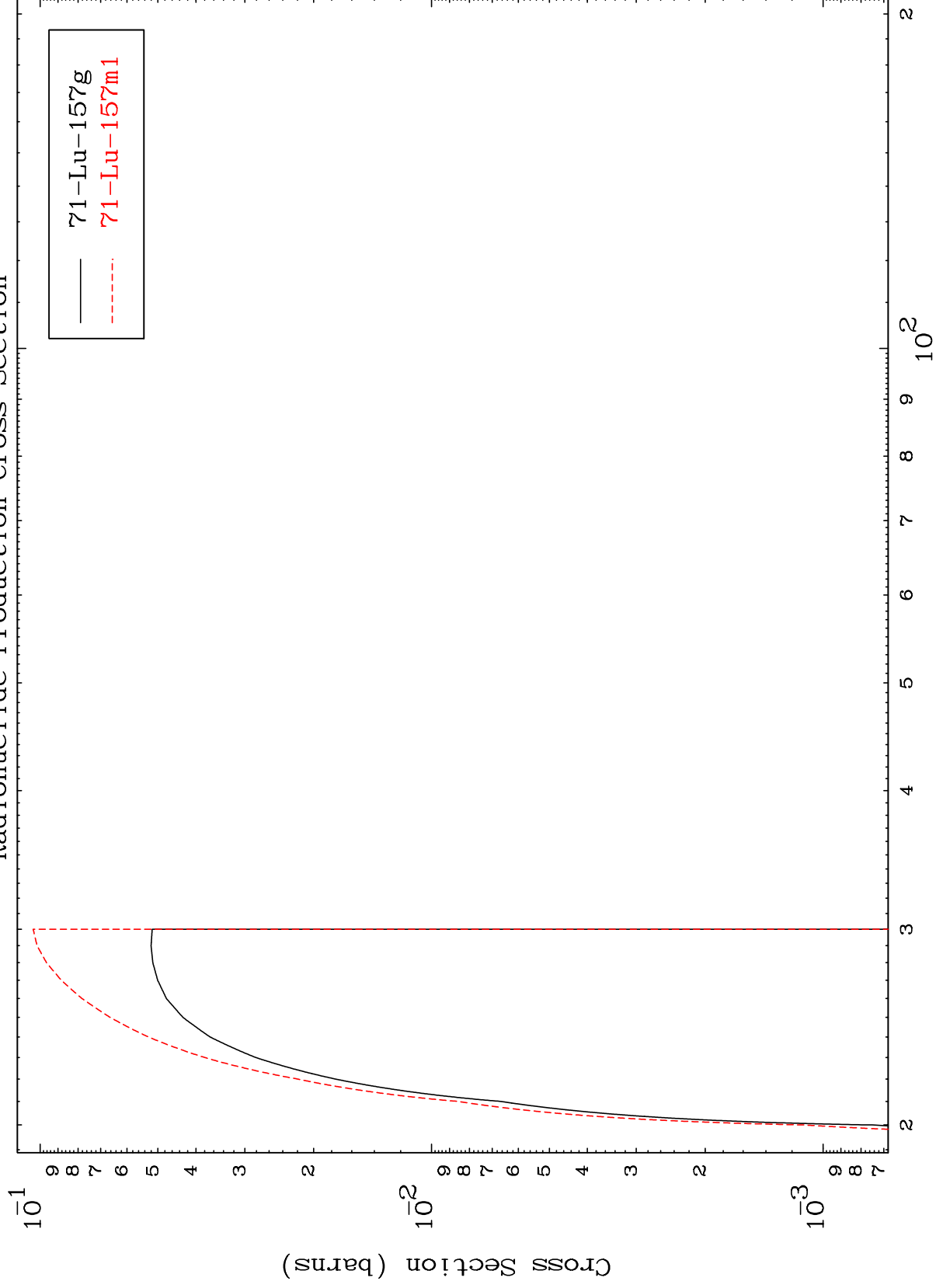


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(n,3n)

⁷¹Lu-159

Radionuclide Production Cross Section



23

Incident Energy (MeV)

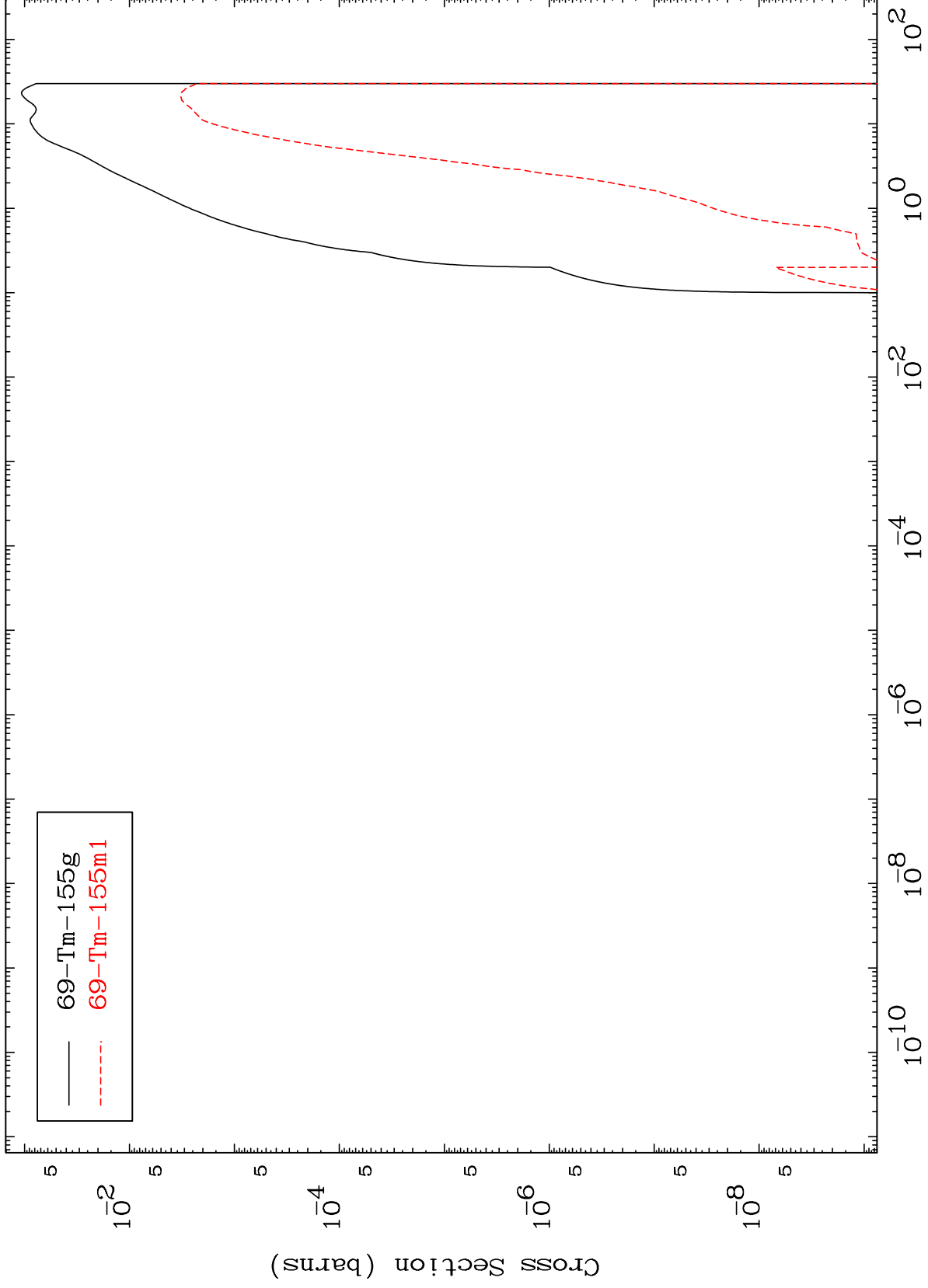
⁷¹Lu-159

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$(n, n') \alpha$

71-Lu-159

Radionuclide Production Cross Section



24

Incident Energy (MeV)

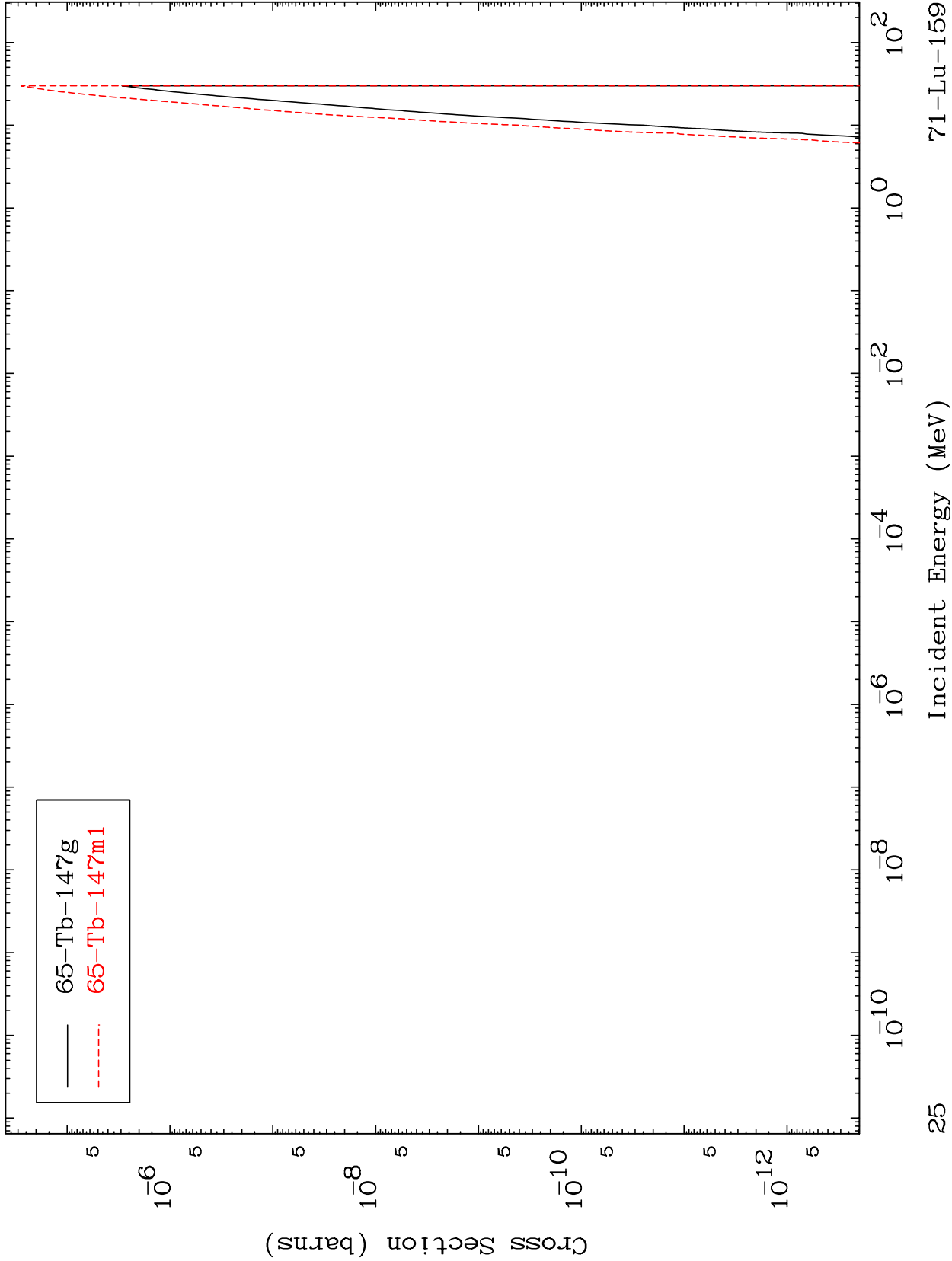
71-Lu-159

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(n,n') 3 α

71-Lu-159

Radionuclide Production Cross Section

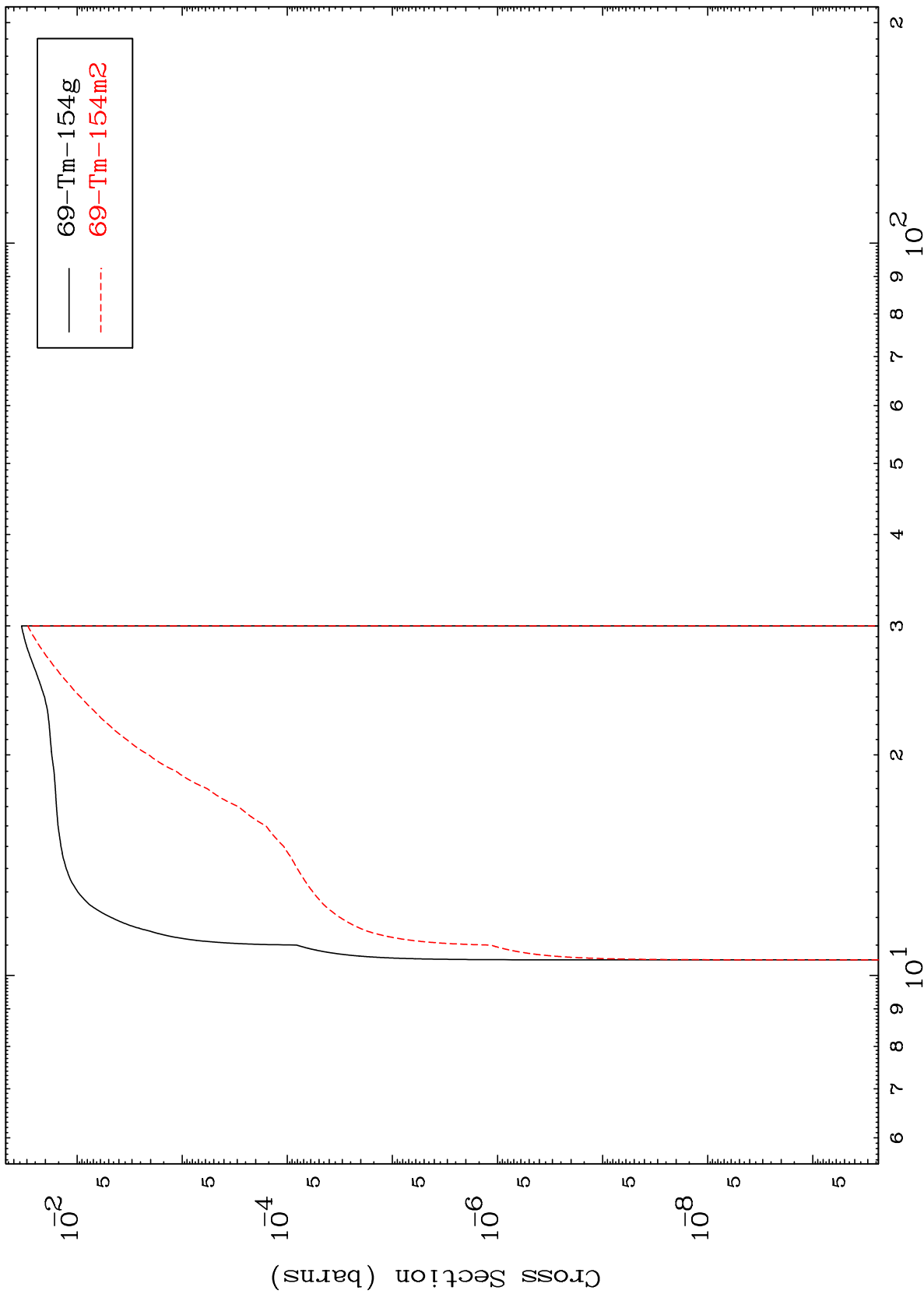


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(n,2n) α

71-Lu-159

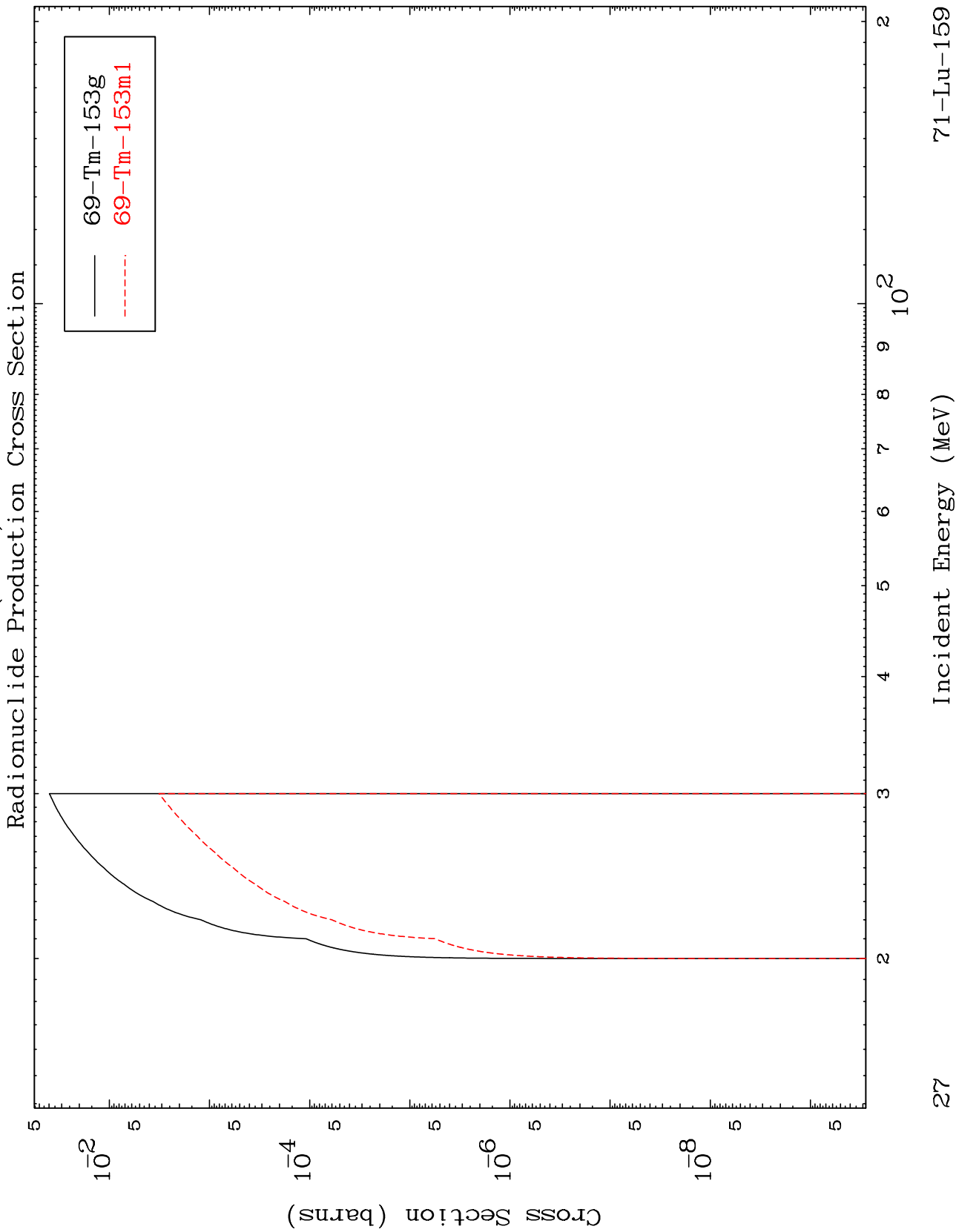
Radionuclide Production Cross Section



26

Incident Energy (MeV)

71-Lu-159

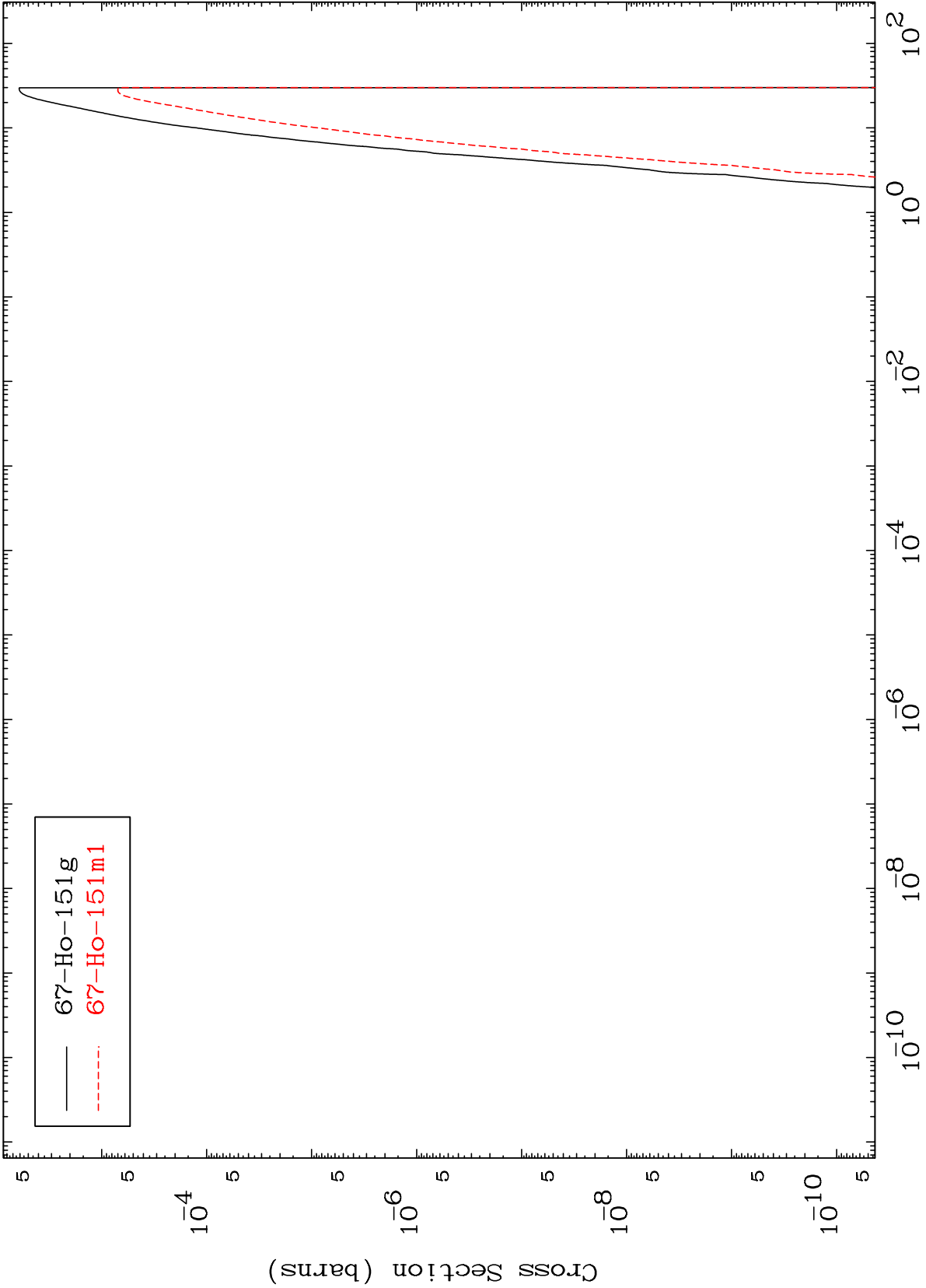


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(n,n') 2α

71-Lu-159

Radionuclide Production Cross Section

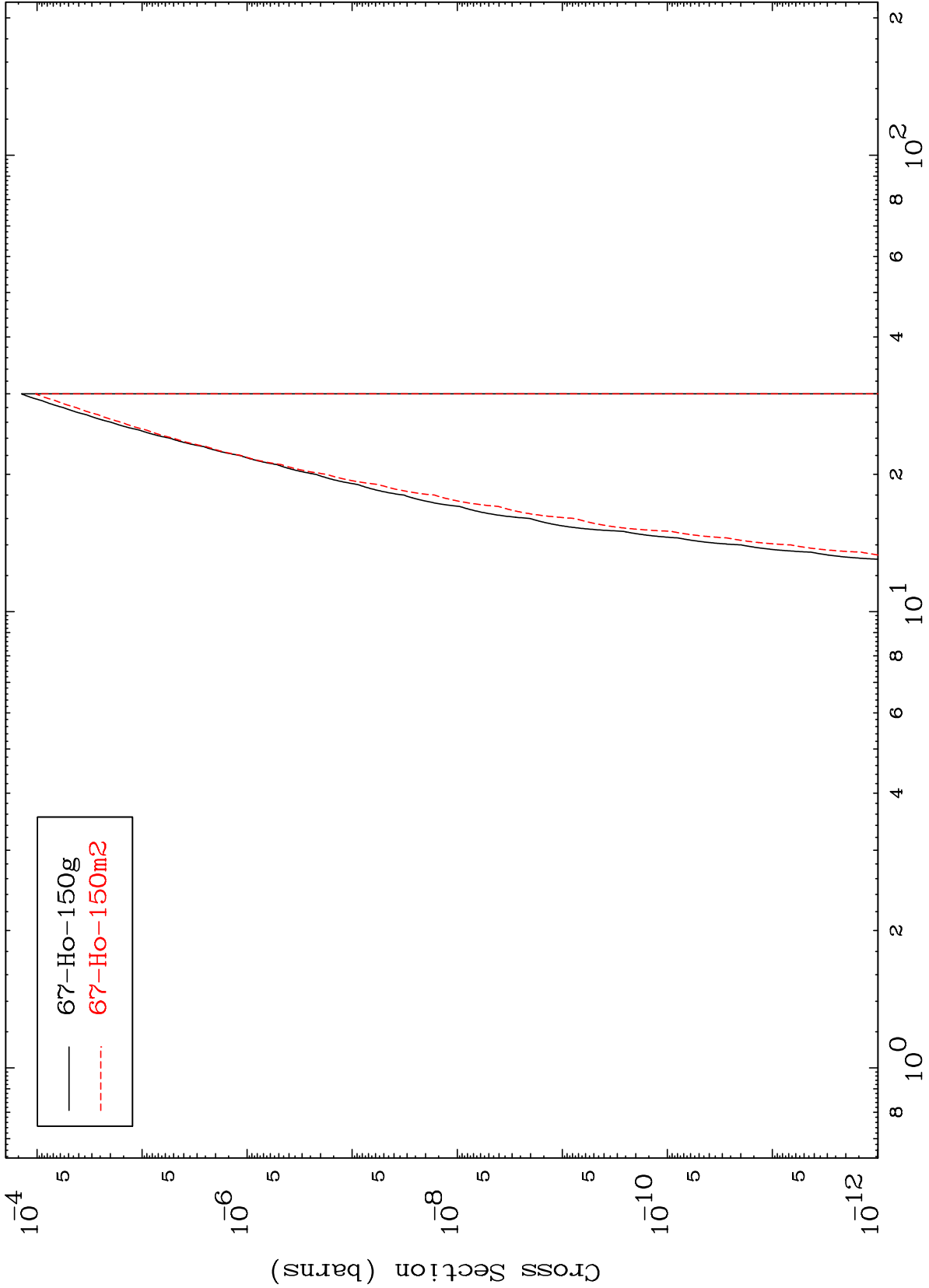


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(n,2n) 2α

71-Lu-159

Radionuclide Production Cross Section



29

Incident Energy (MeV)

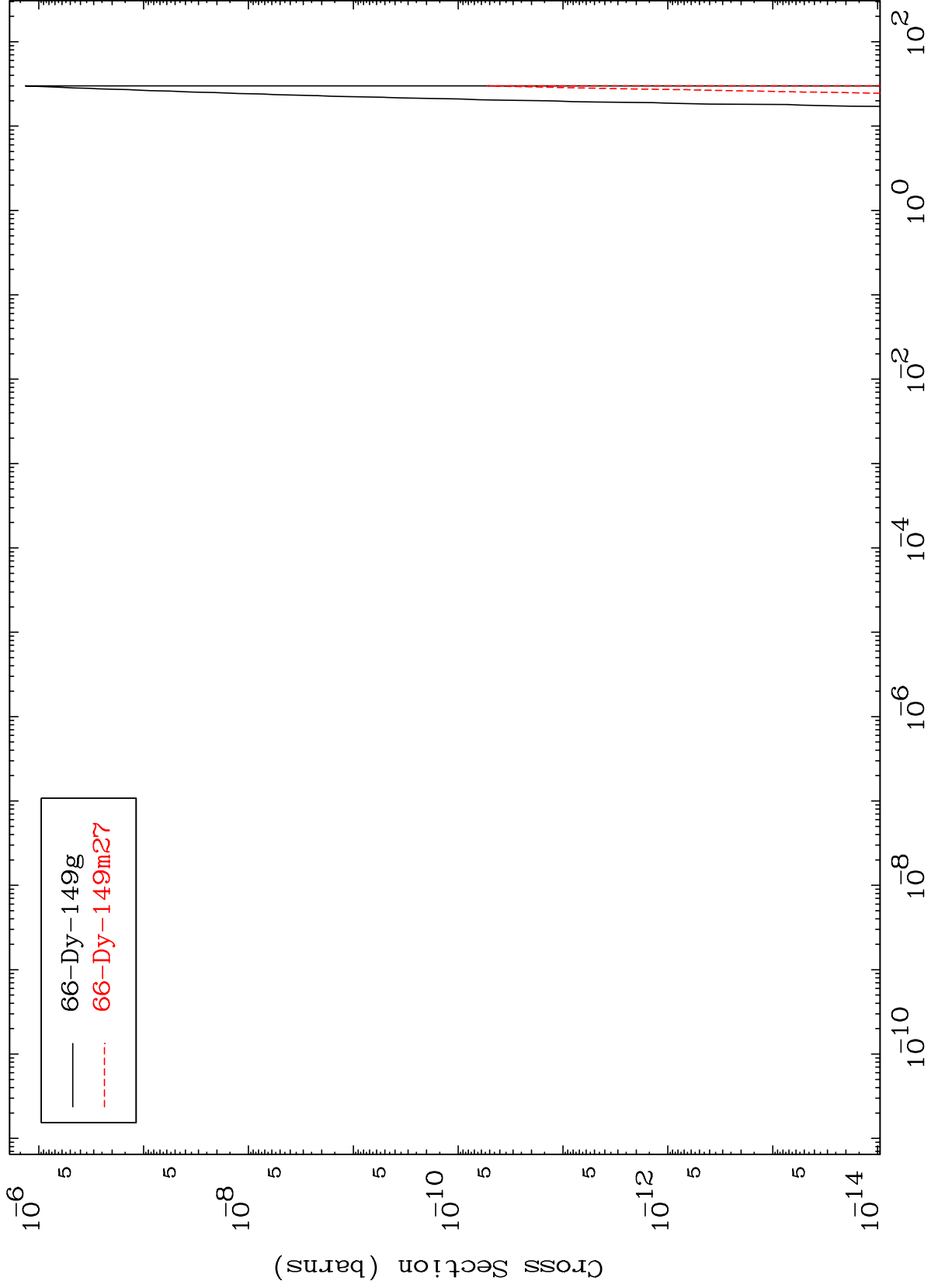
71-Lu-159

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(n,n') d,2 α

71-Lu-159

Radionuclide Production Cross Section



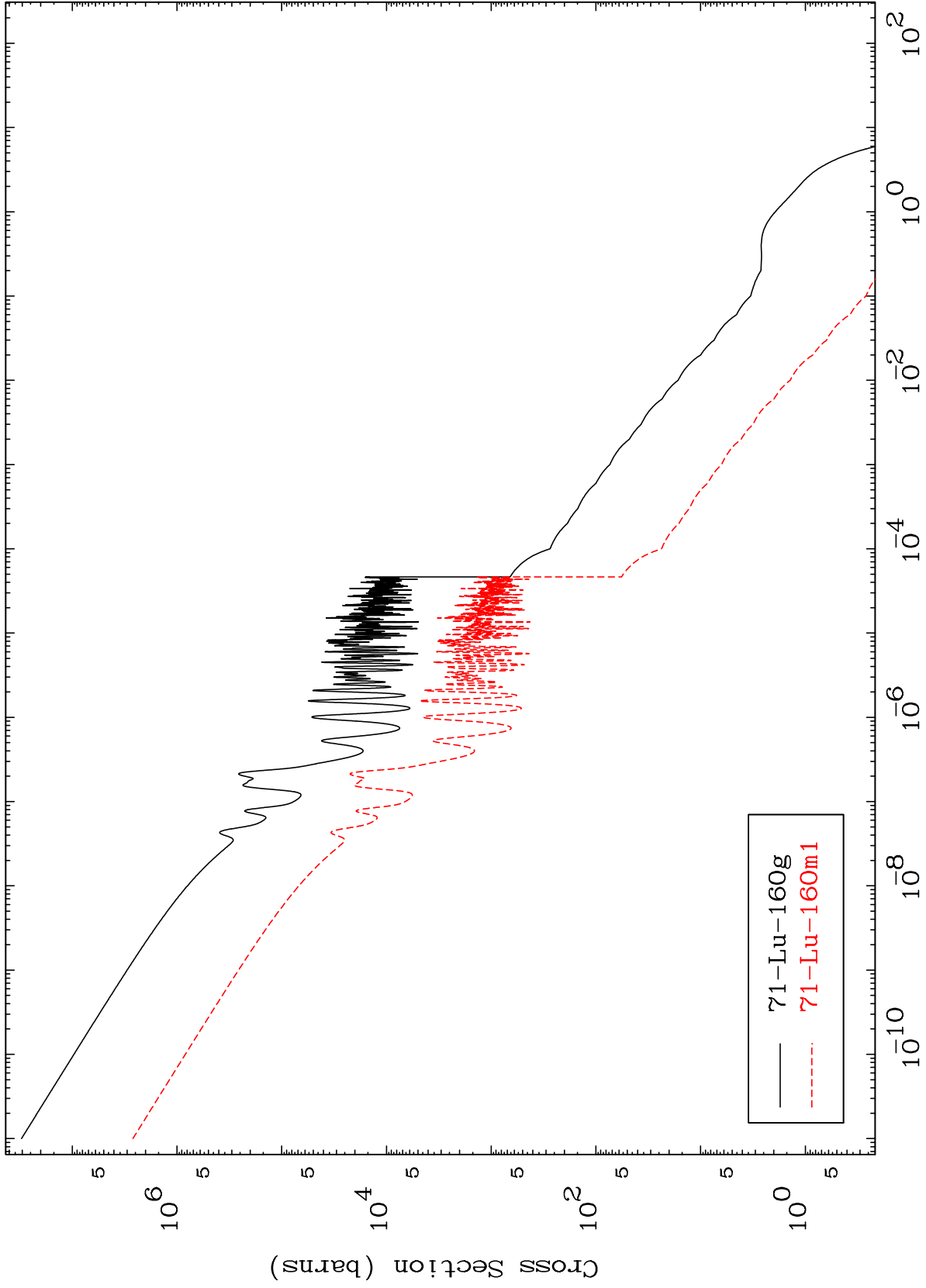
30

Incident Energy (MeV)

71-Lu-159

Radionuclide Production Cross Section

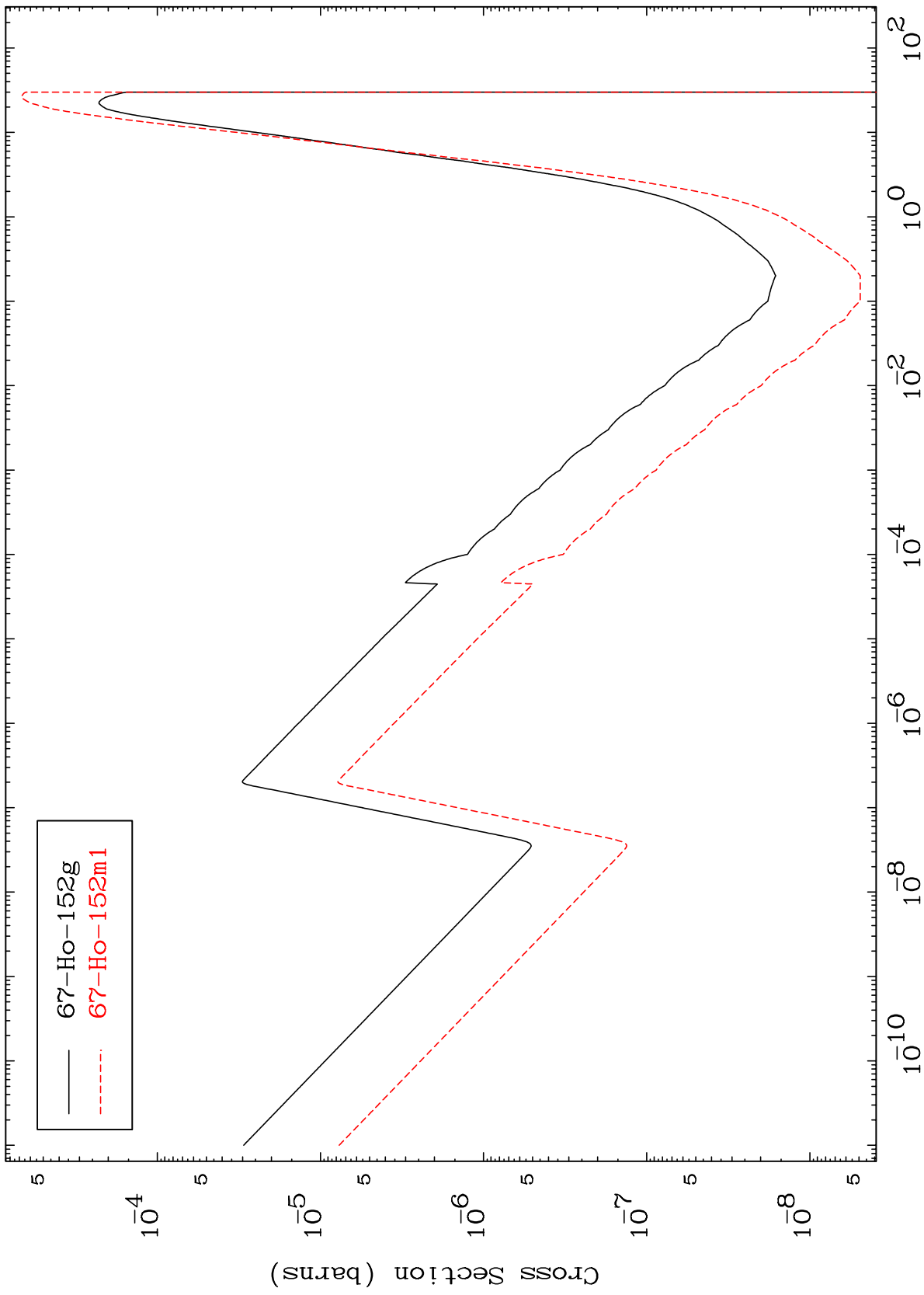
(n,γ)



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71-Lu-159

Radionuclide Production Cross Section
(n,2α)



Incident Energy (MeV)

71-Lu-159

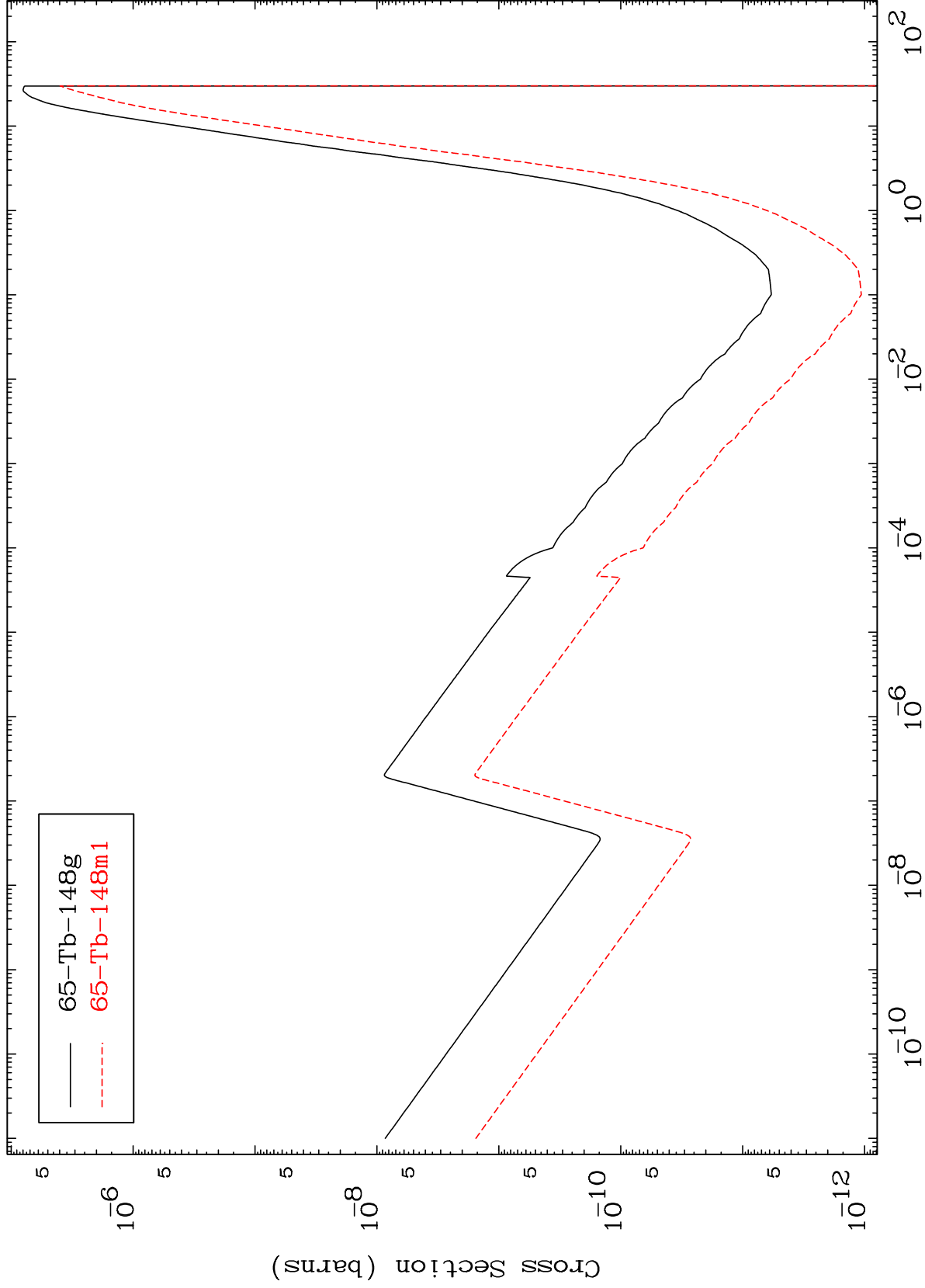
32

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(n, 3α)

71-Lu-159

Radionuclide Production Cross Section



33

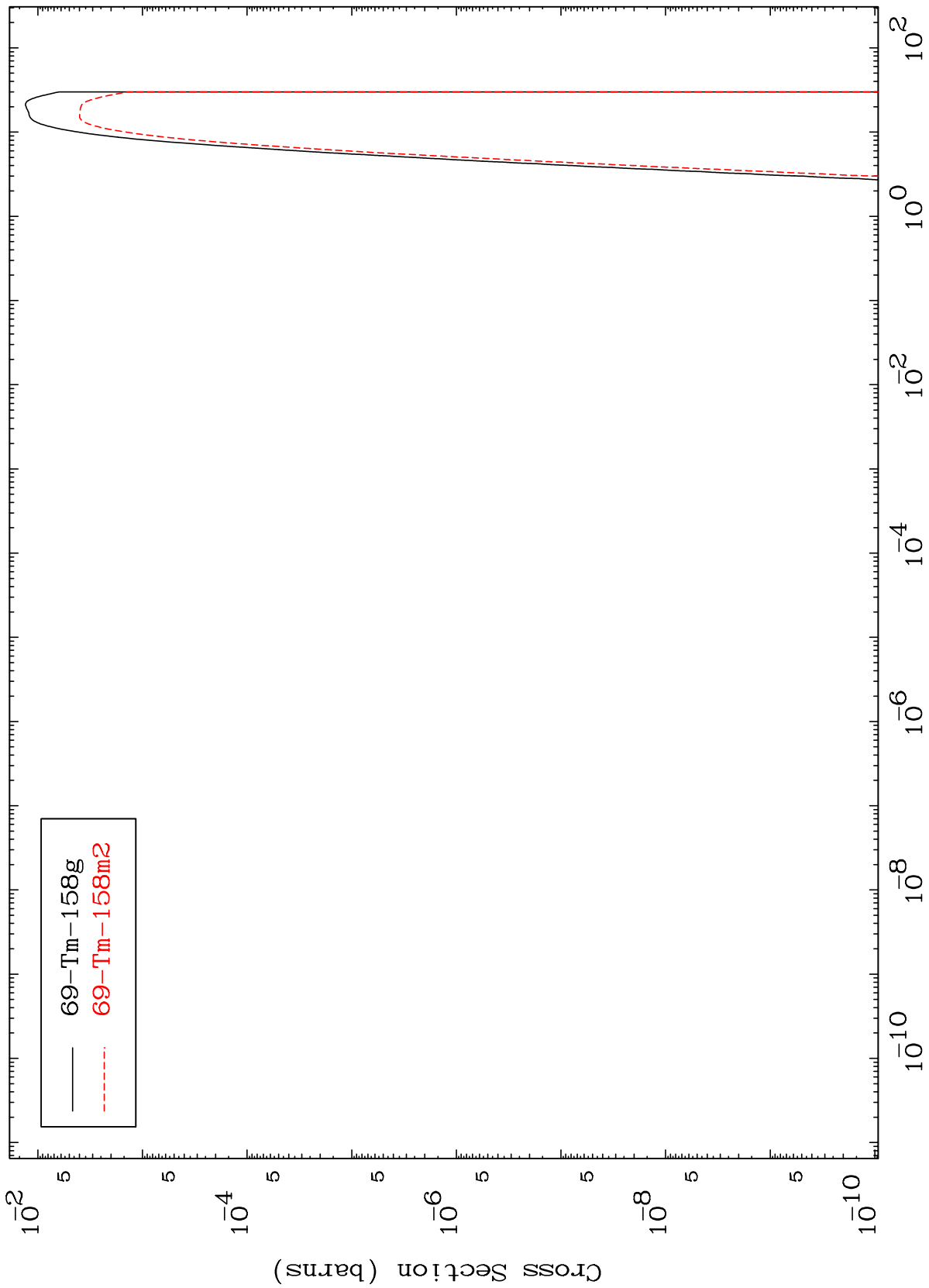
Incident Energy (MeV)

71-Lu-159

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71-Lu-159

(n,2p)
Radionuclide Production Cross Section

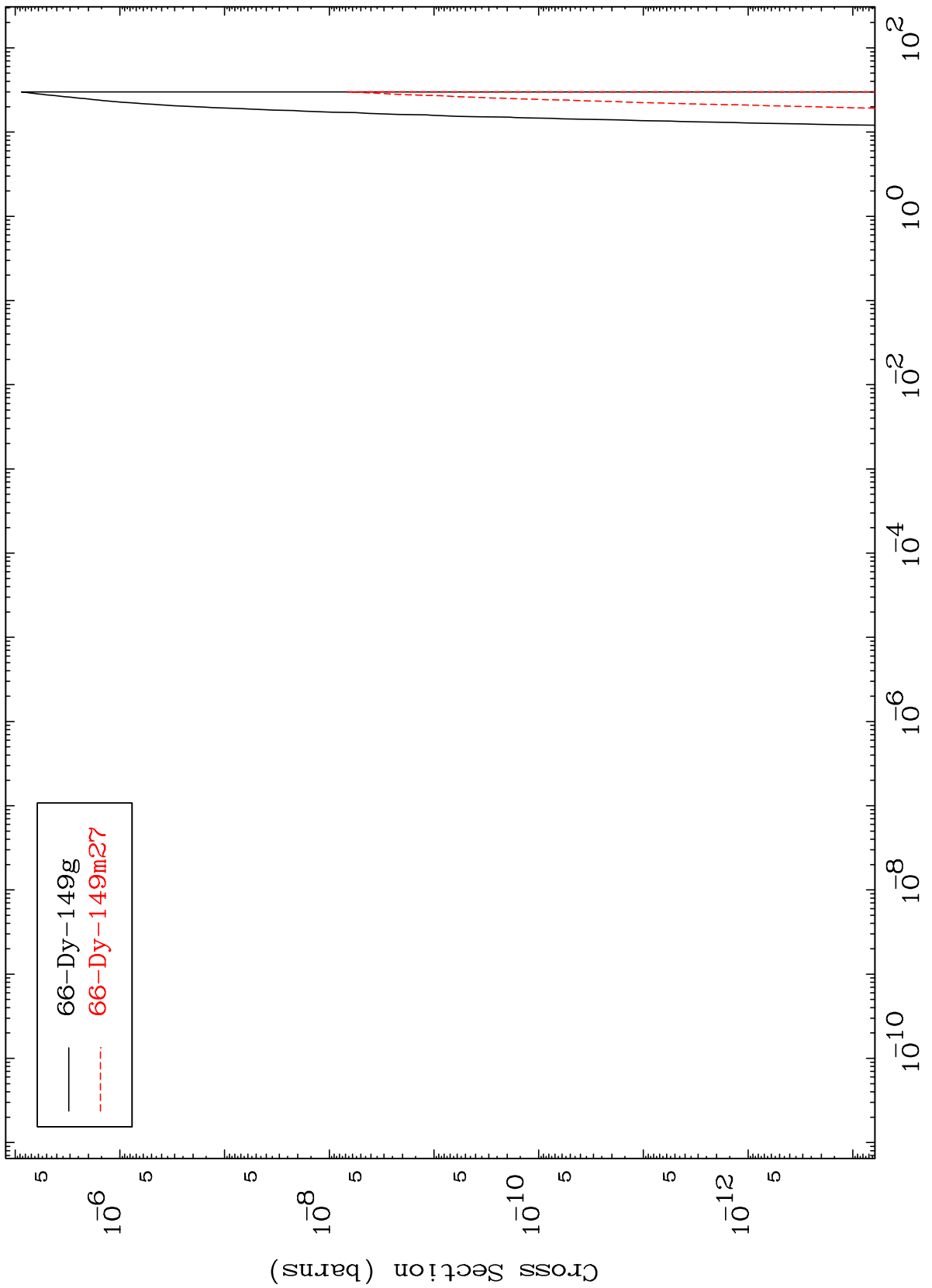


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(n,t) 2 α

71-Lu-159

Radionuclide Production Cross Section



— 66-Dy-149g
- - - 66-Dy-149m27