

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

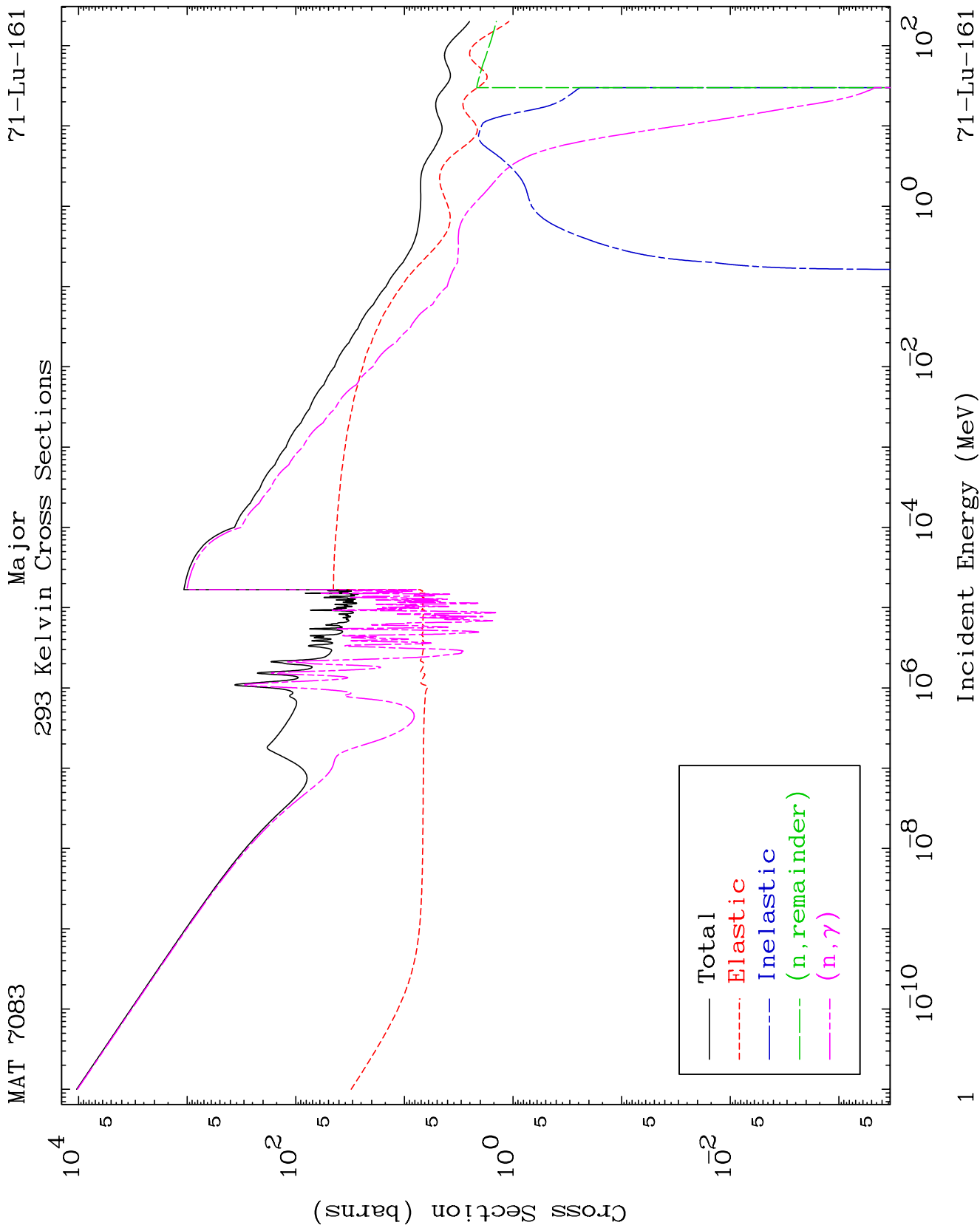
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

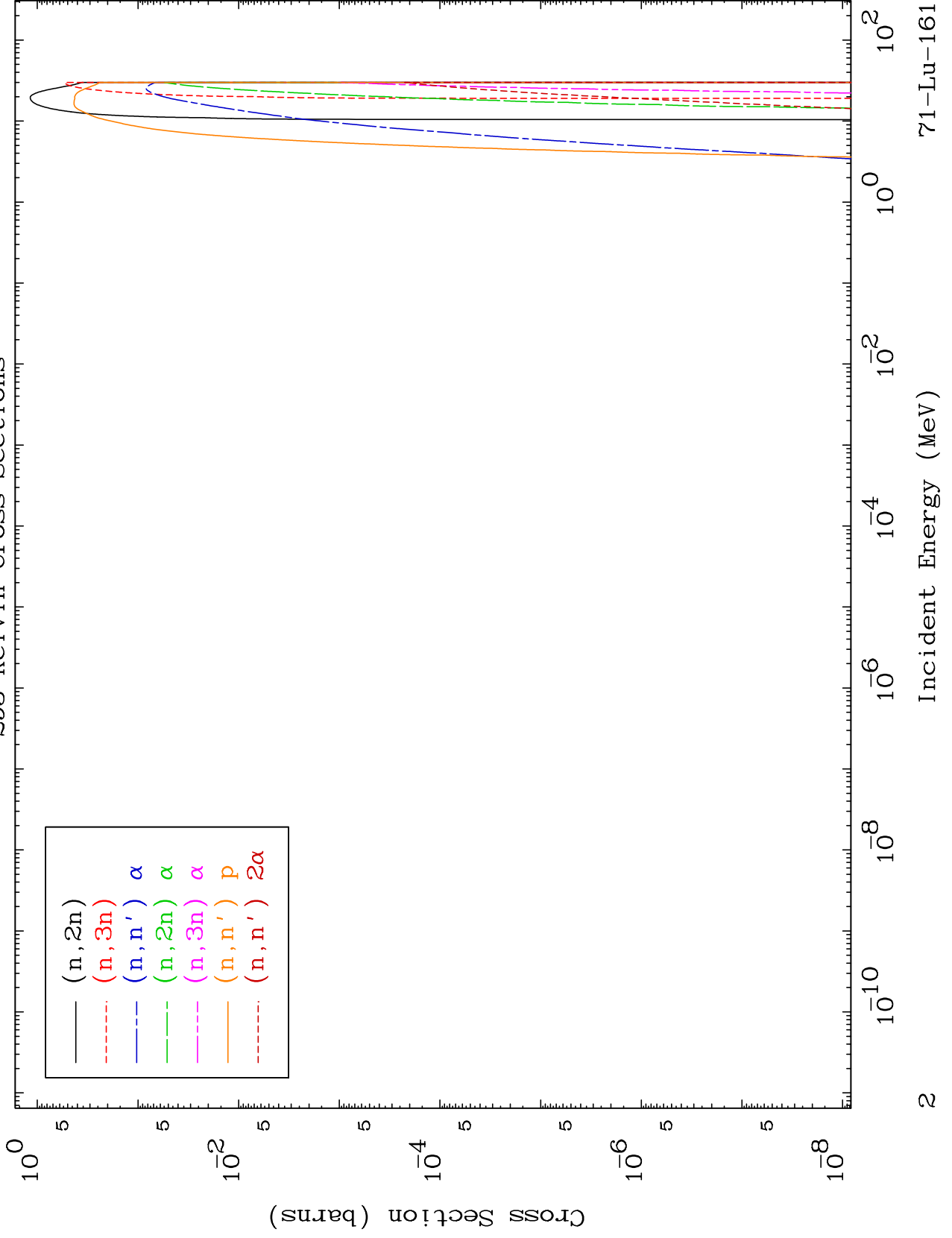
Press Mouse Button to Start



MAT 7083

Neutron Production
293 Kelvin Cross Sections

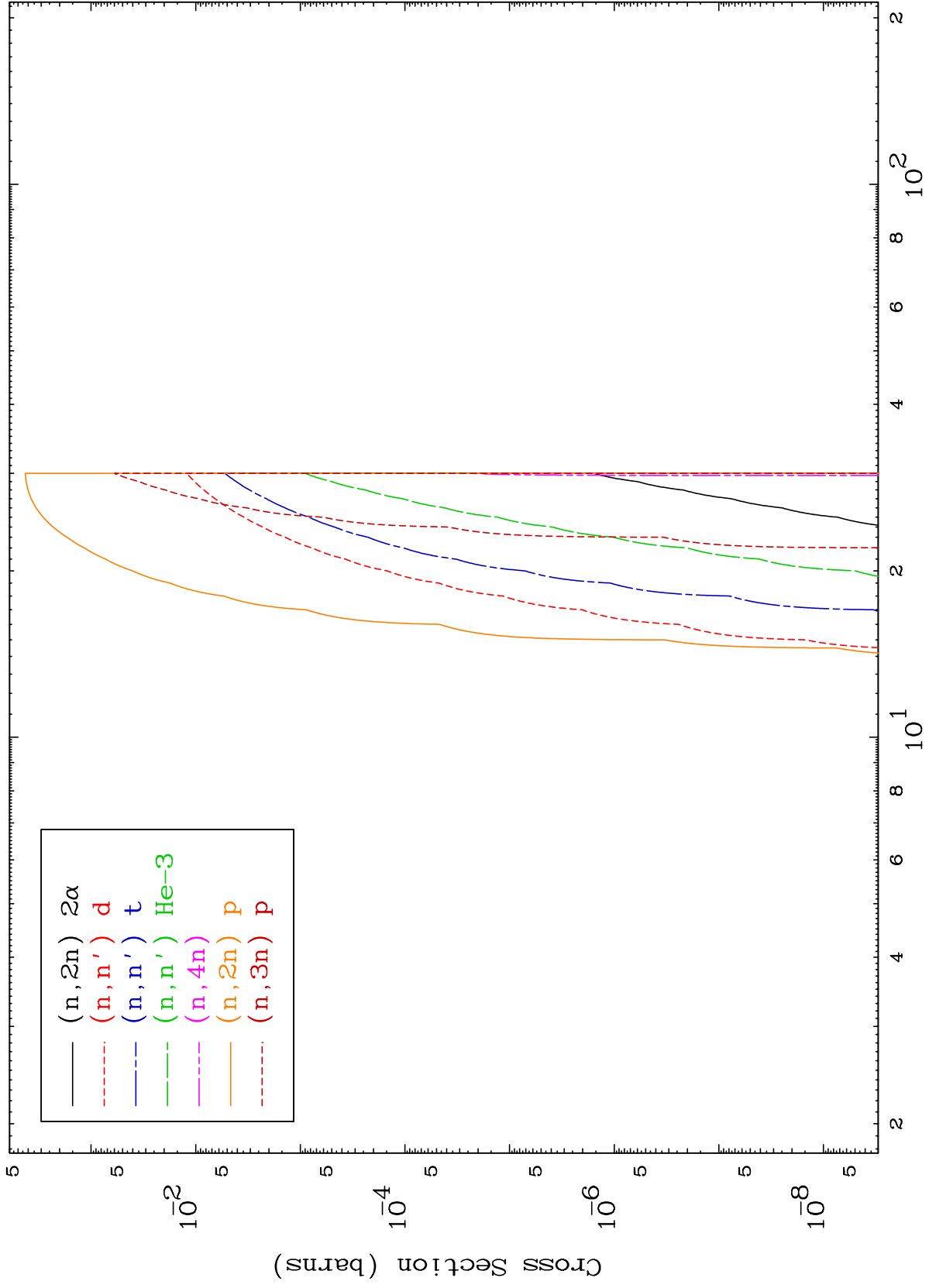
71-Lu-161



MAT 7083

Neutron Production
293 Kelvin Cross Sections

71-Lu-161



3

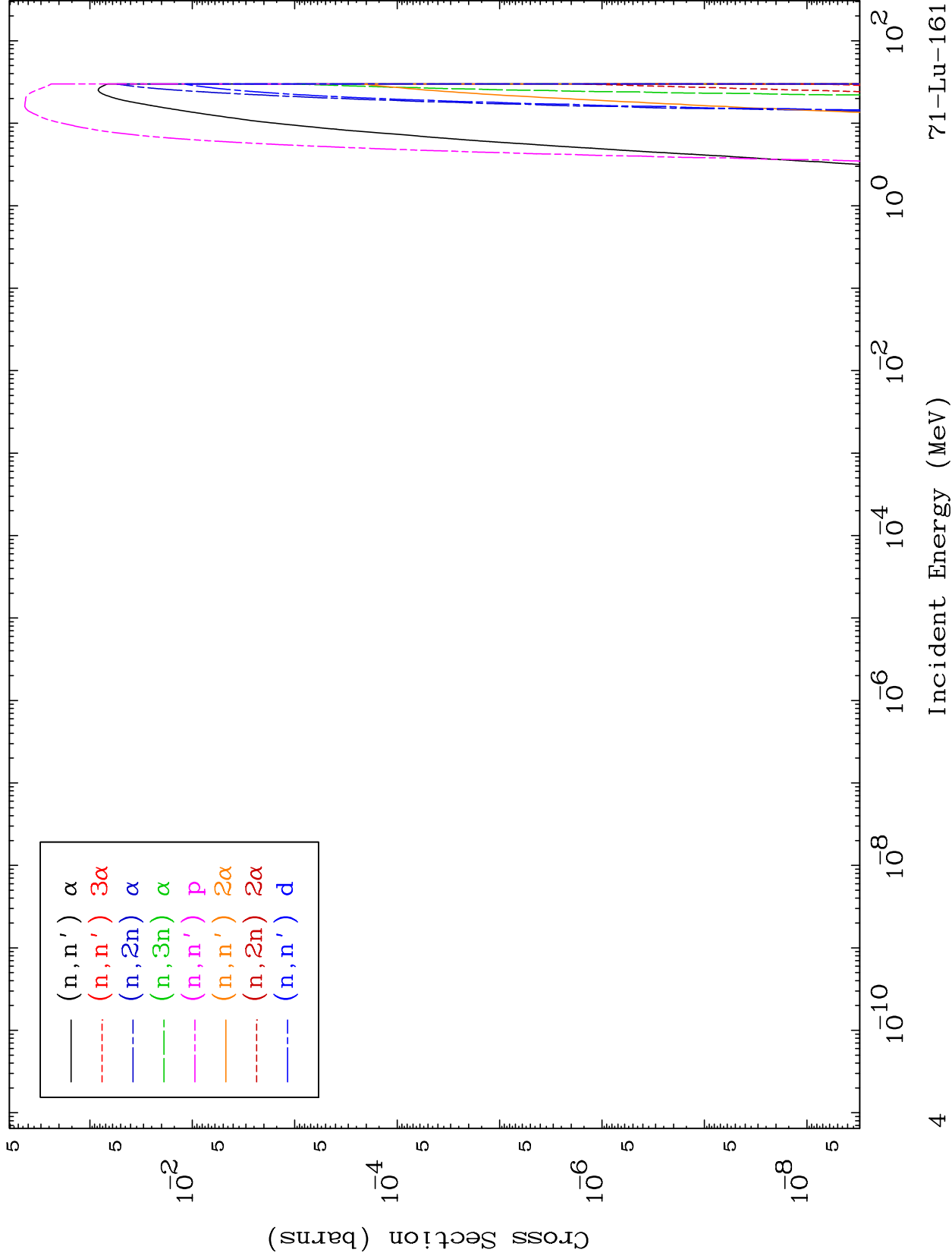
Incident Energy (MeV)

71-Lu-161

MAT 7083

Charged Particle
293 Kelvin Cross Sections

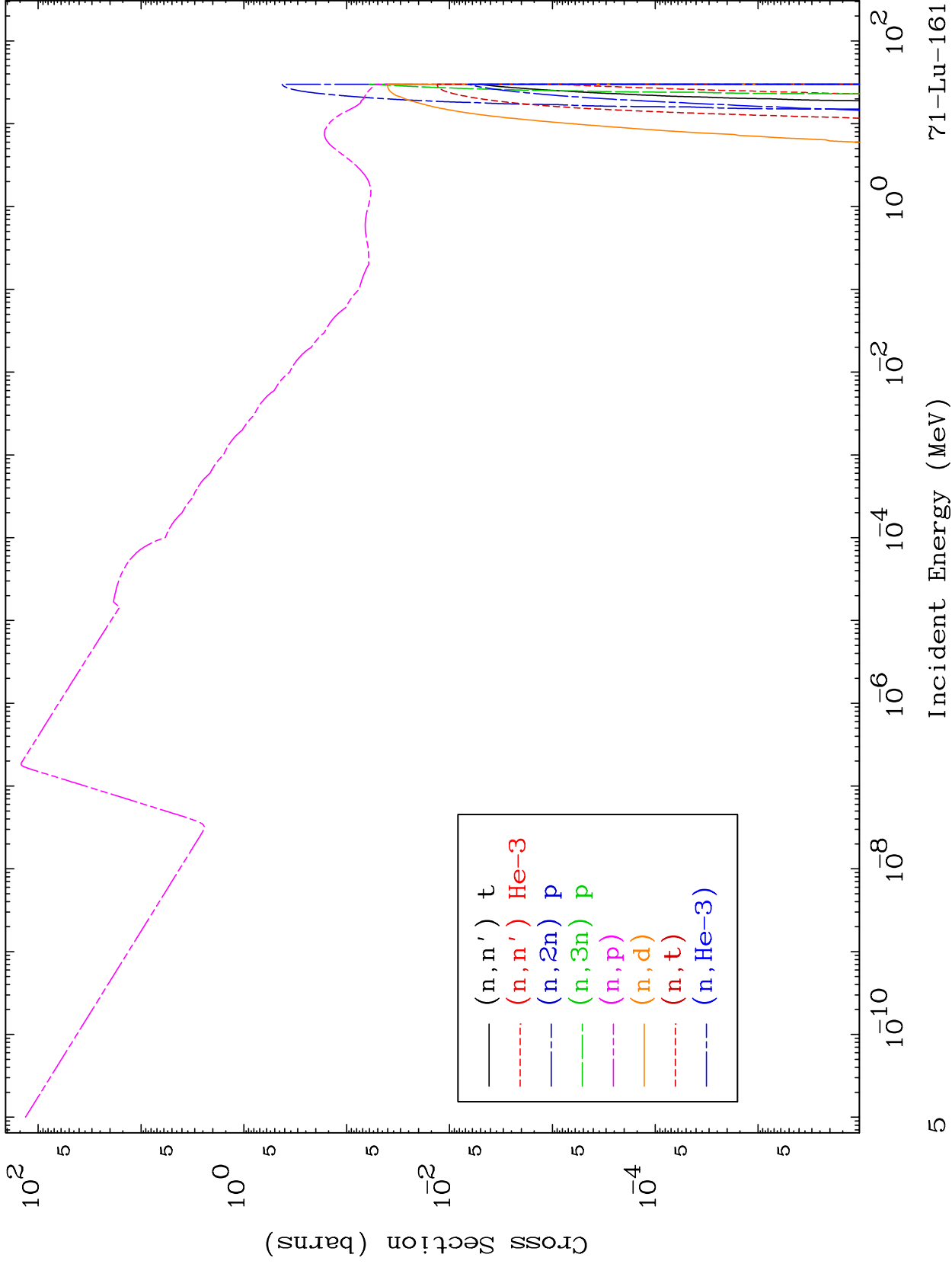
71-Lu-161



MAT 7083

Charged Particle
293 Kelvin Cross Sections

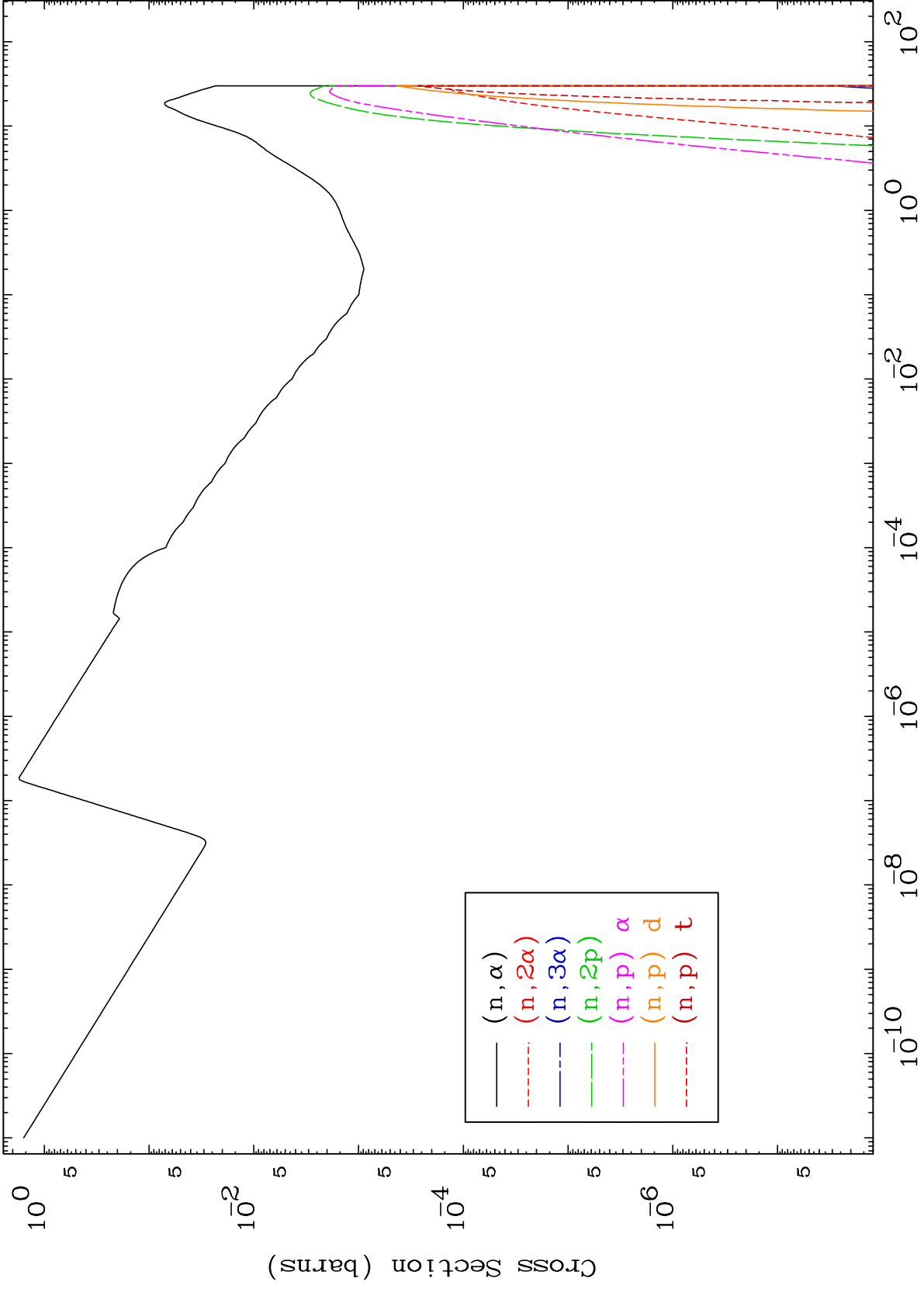
71-Lu-161



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Charged Particle
293 Kelvin Cross Sections

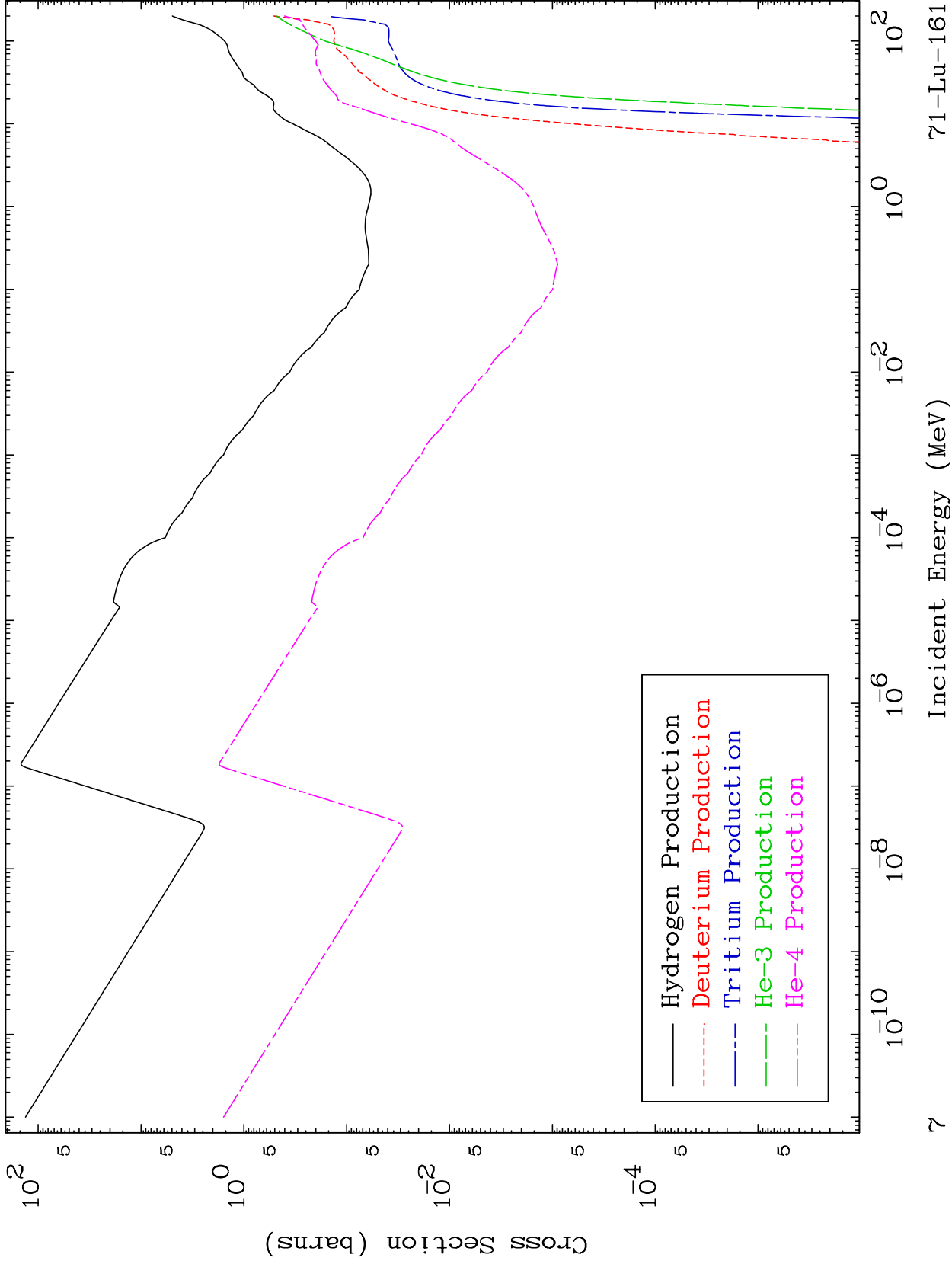
71-Lu-161



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Particle Production
293 Kelvin Cross Sections

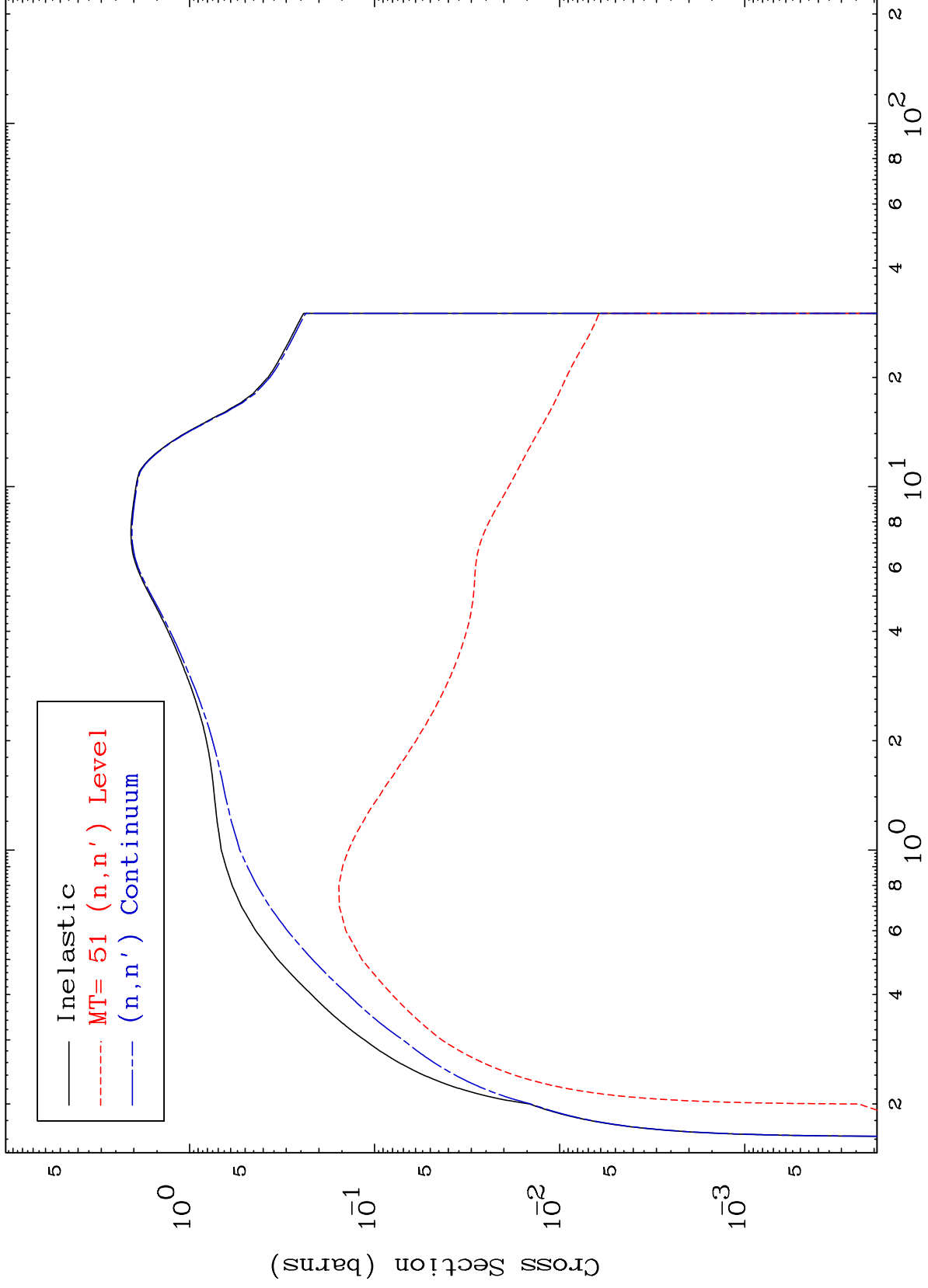
71-Lu-161



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293 Kelvin Cross Sections
(n,n') Level

71-Lu-161



8

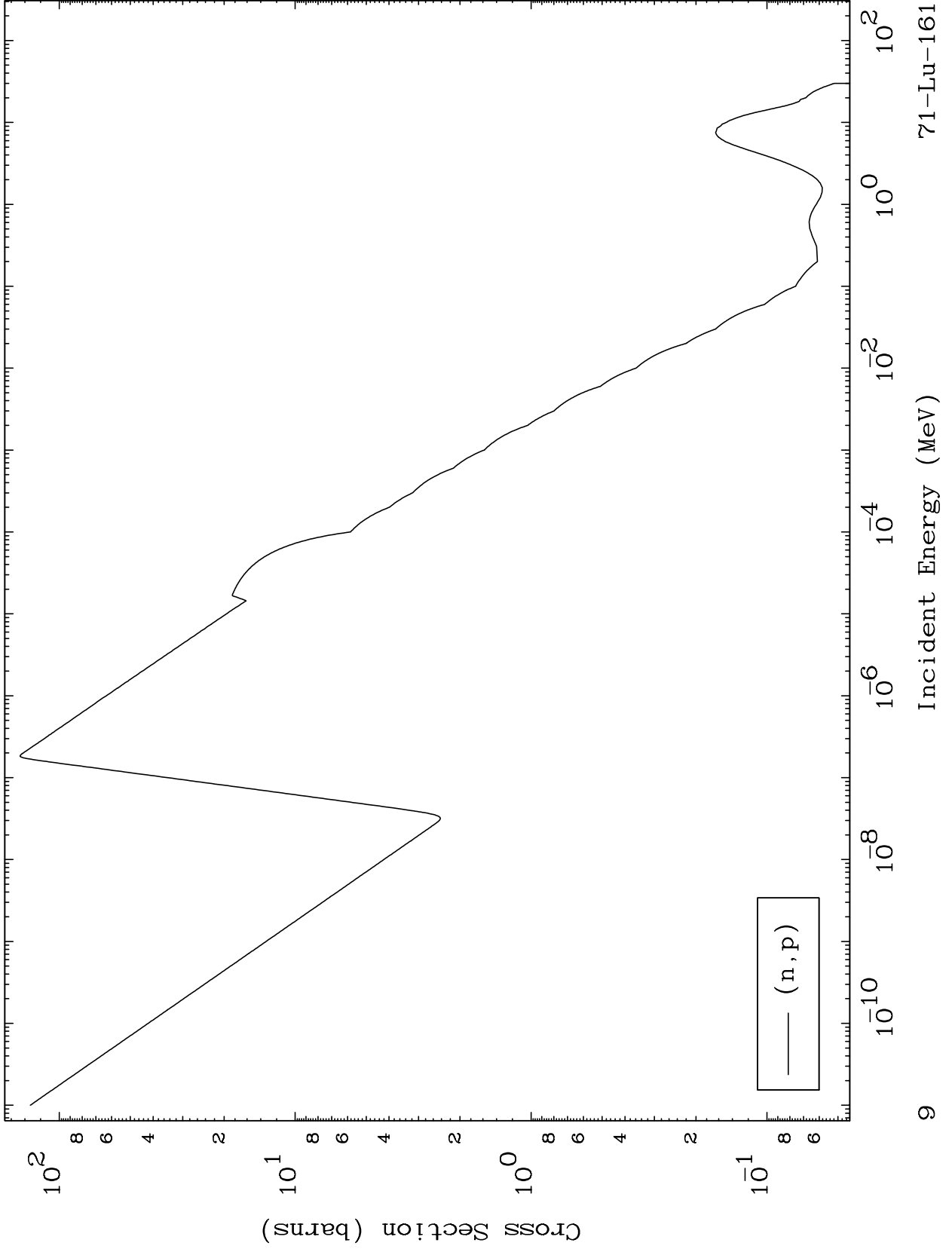
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,p) Levels
293 Kelvin Cross Sections

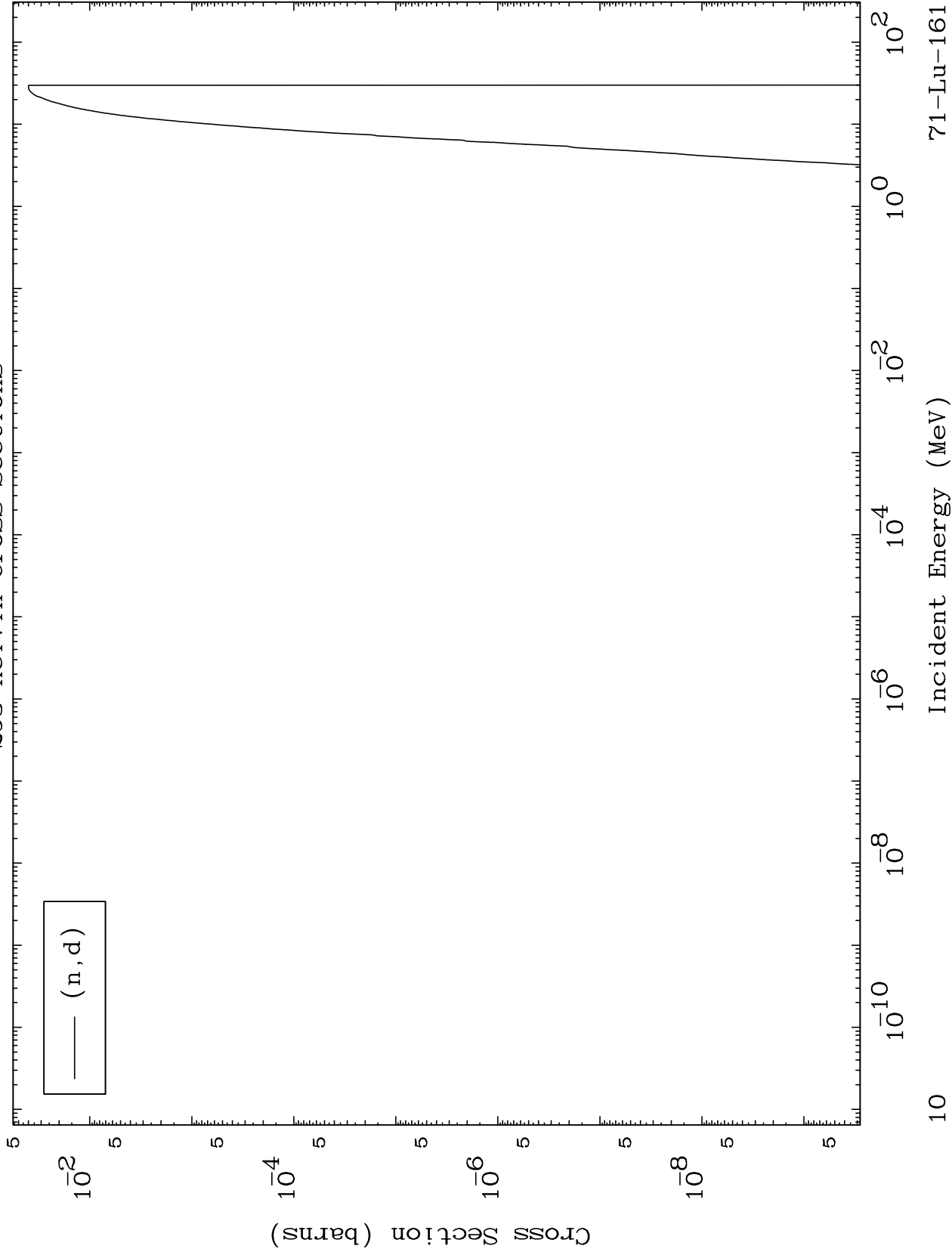
71-Lu-161



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(n,d) Levels
293 Kelvin Cross Sections

71-Lu-161



10

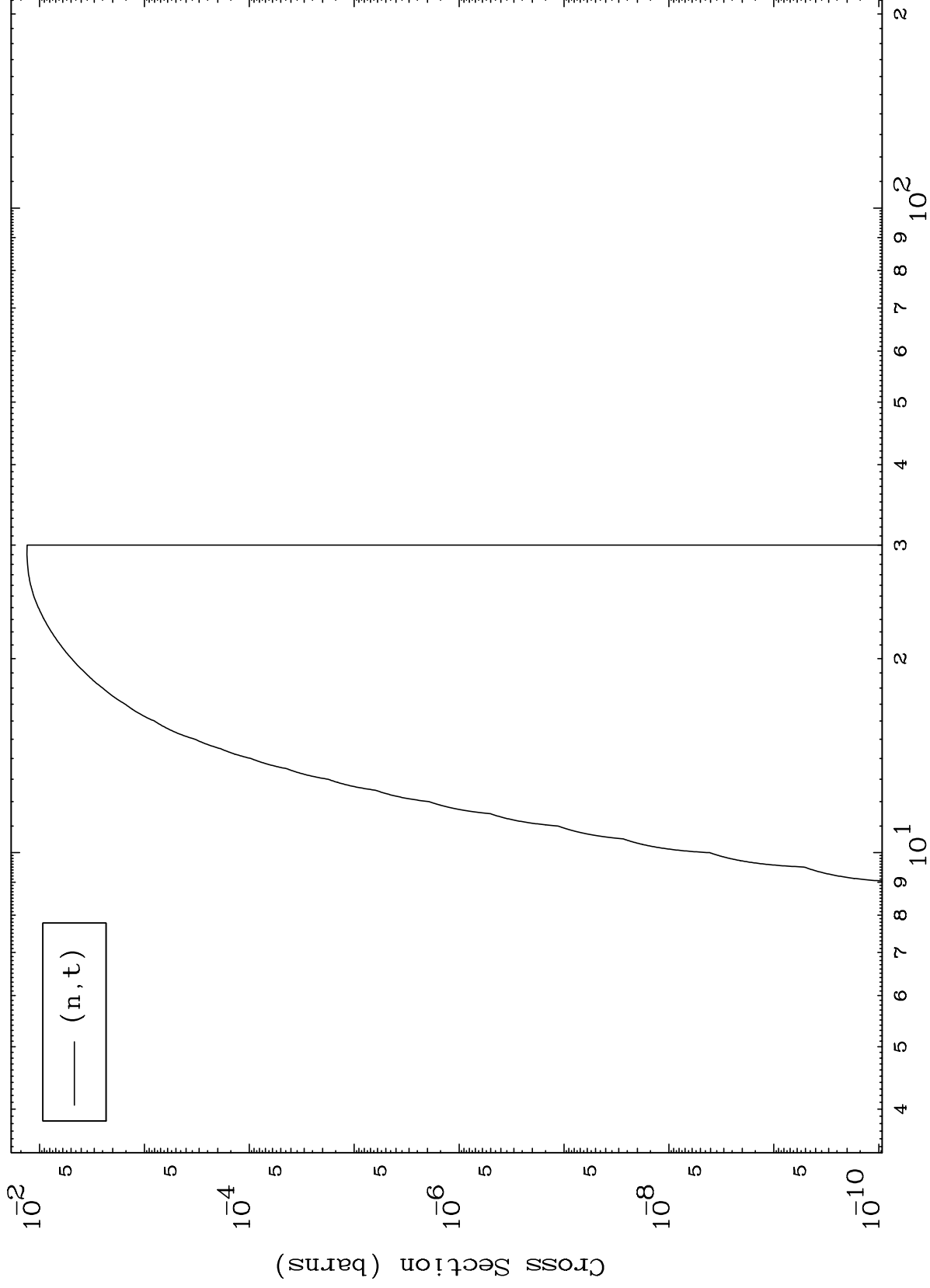
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-161



11

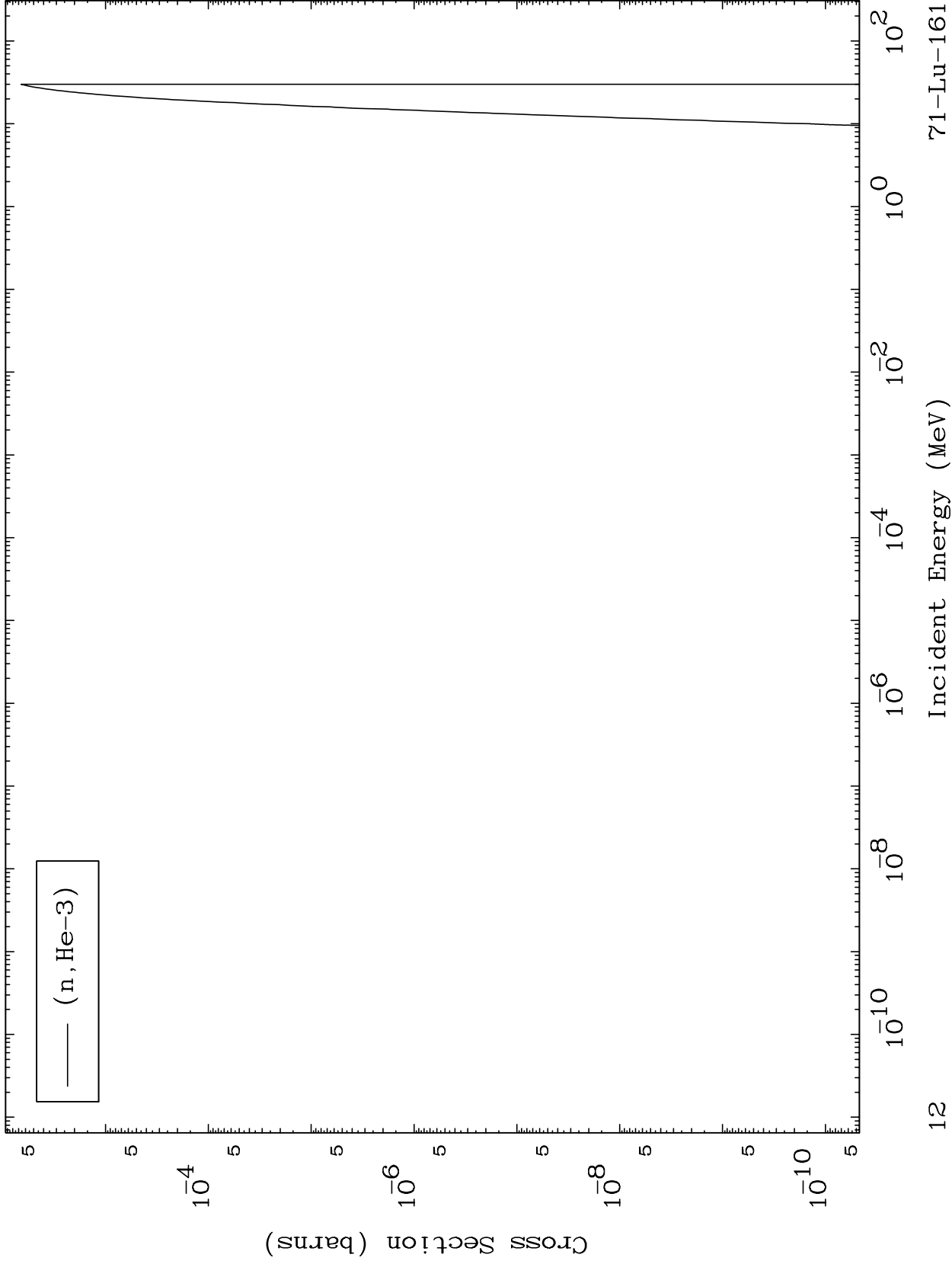
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-161



12

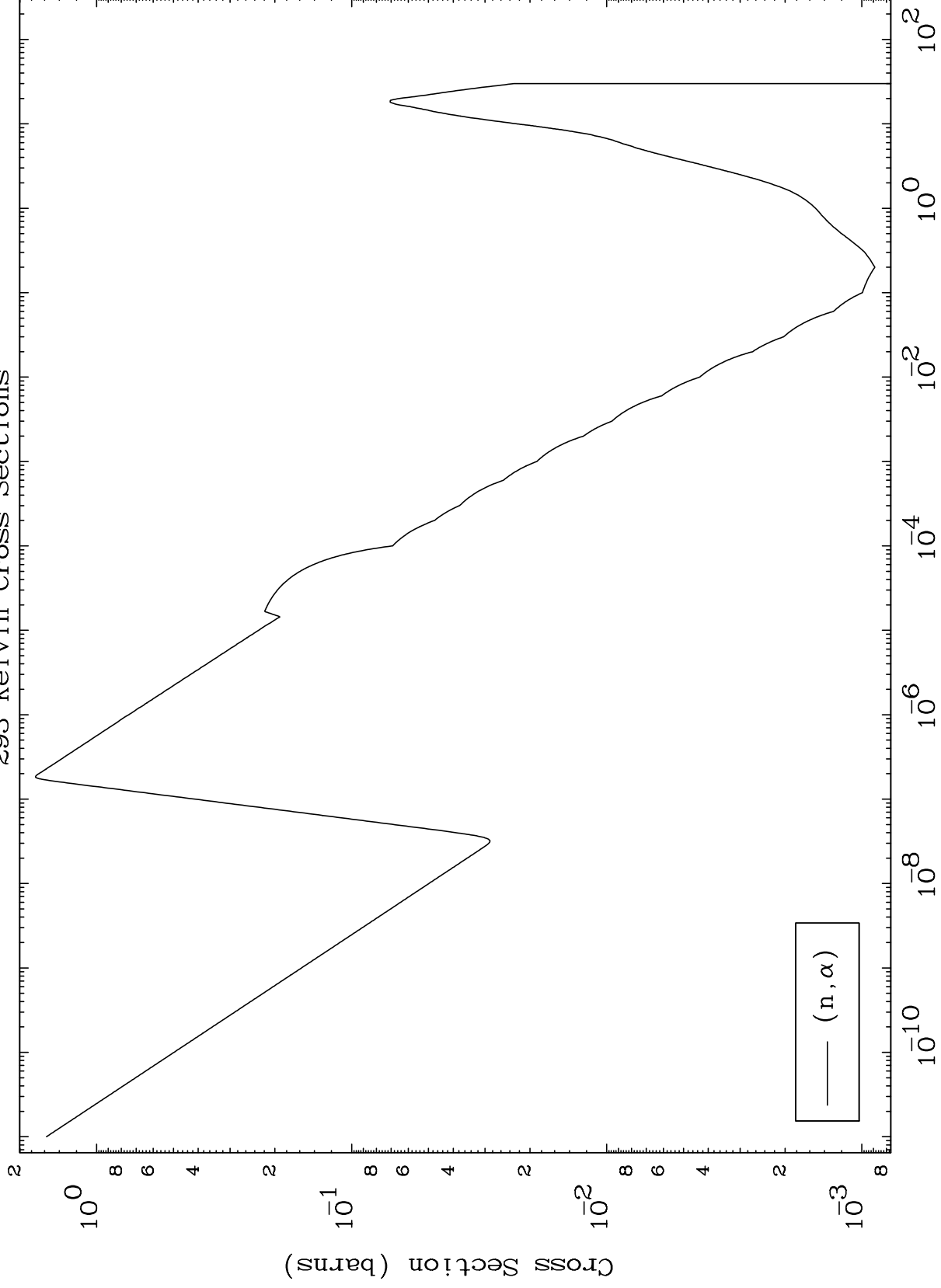
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n, α) Levels
293 Kelvin Cross Sections

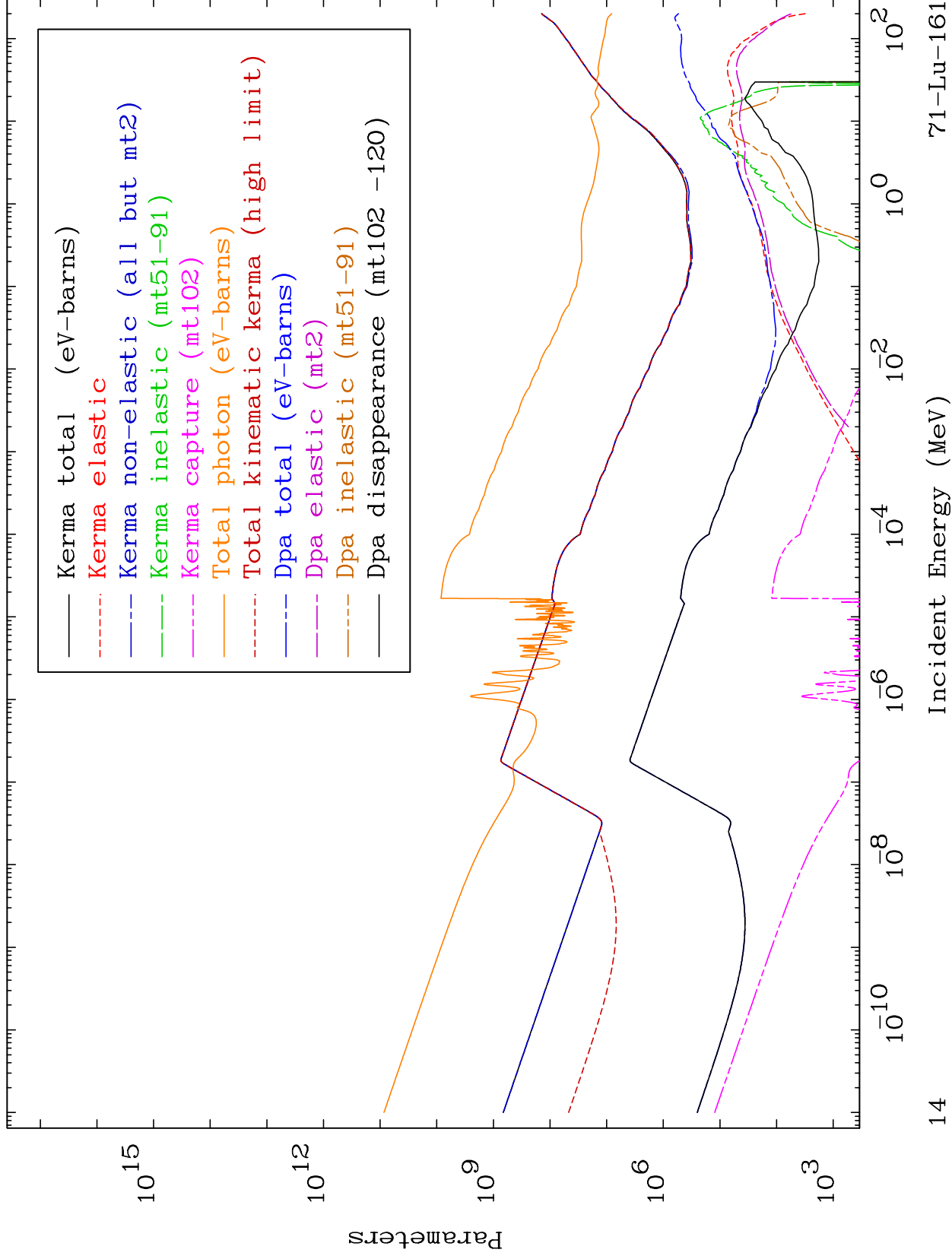
71-Lu-161



13

Incident Energy (MeV)

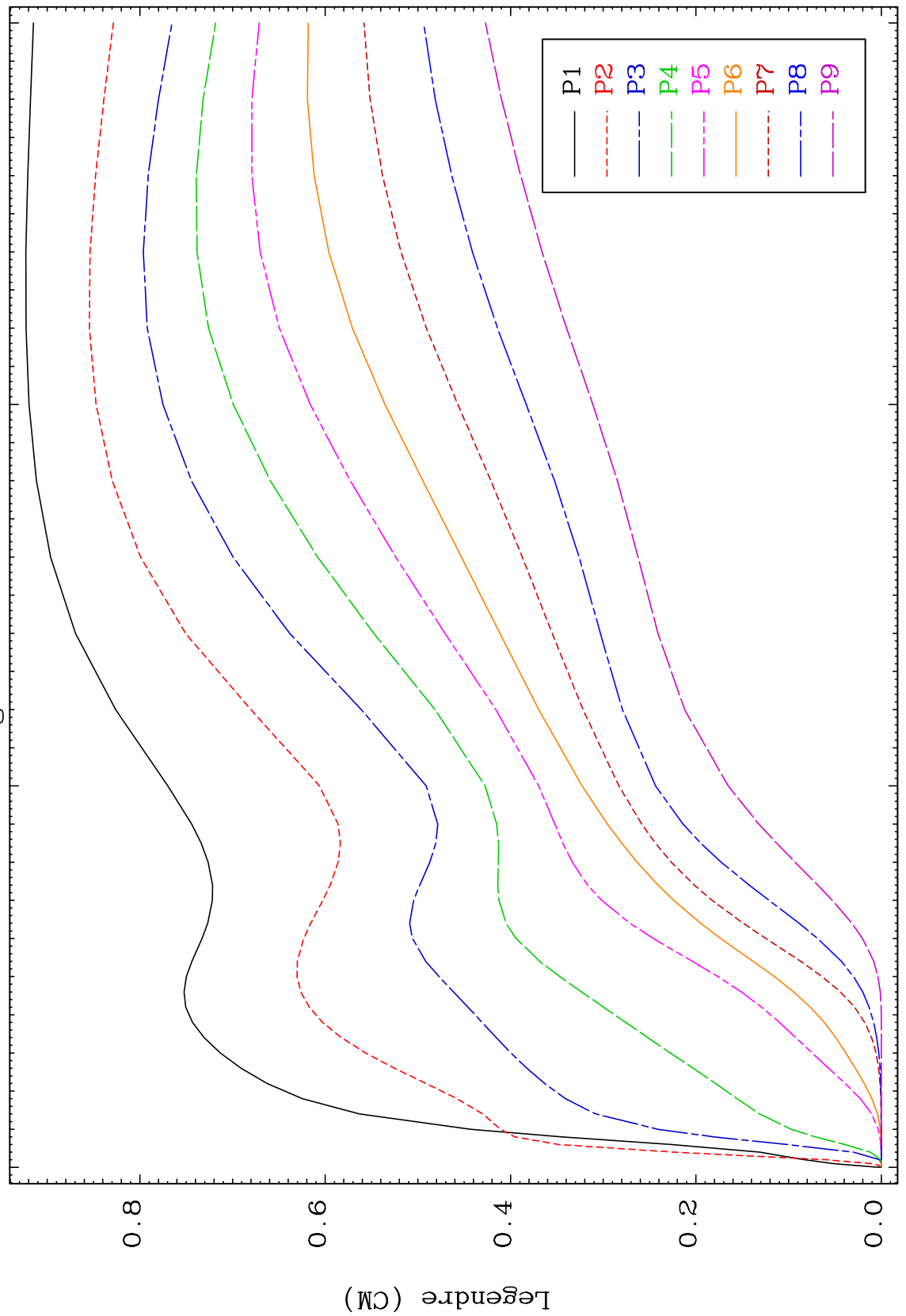
71-Lu-161



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Elastic Legendre Coefficients

71-Lu-161



15

Incident Energy (MeV)

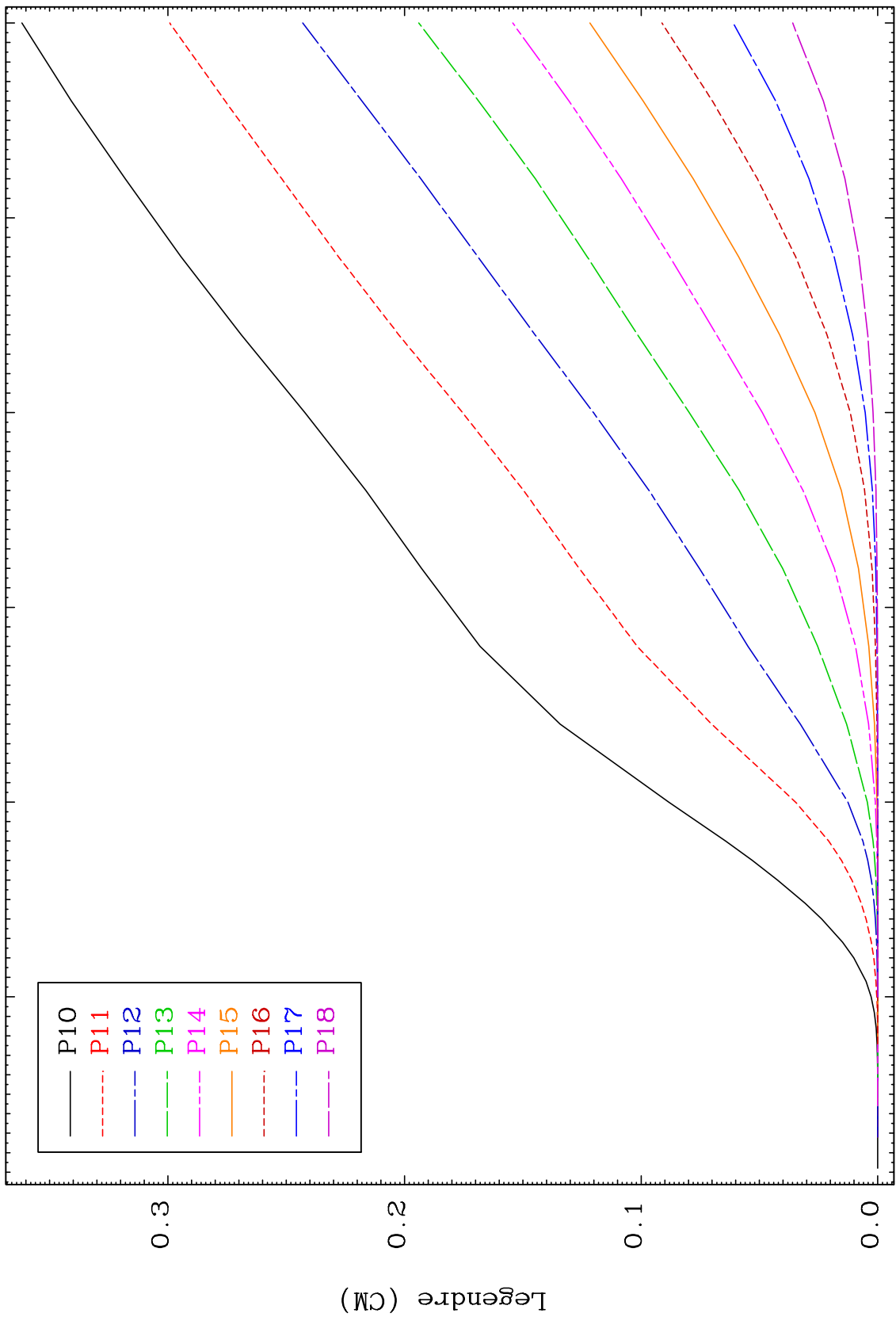
71-Lu-161

30

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Elastic Legendre Coefficients

⁷¹Lu-161



16

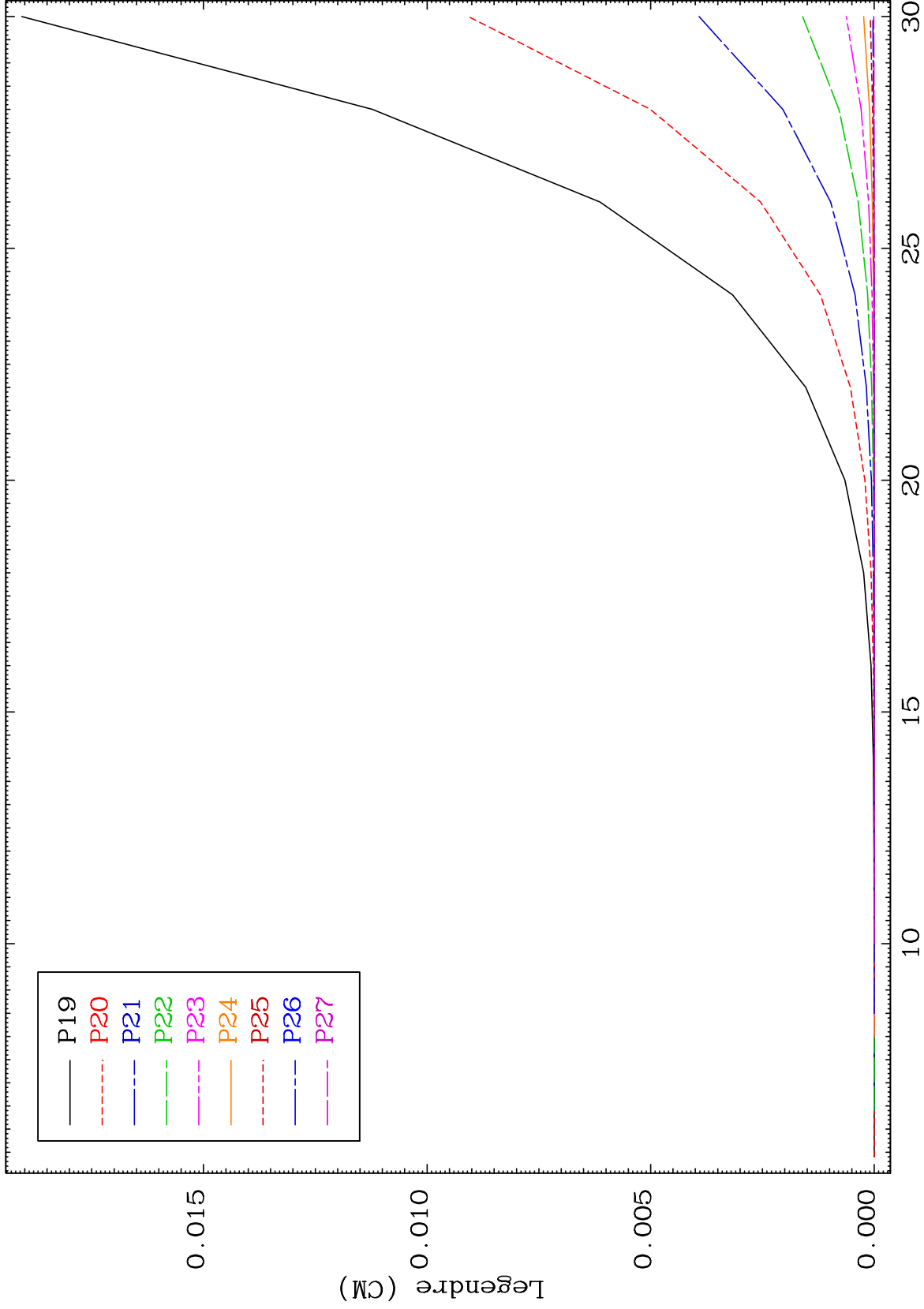
⁷¹Lu-161

Incident Energy (MeV)

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Elastic Legendre Coefficients

71-Lu-161



17

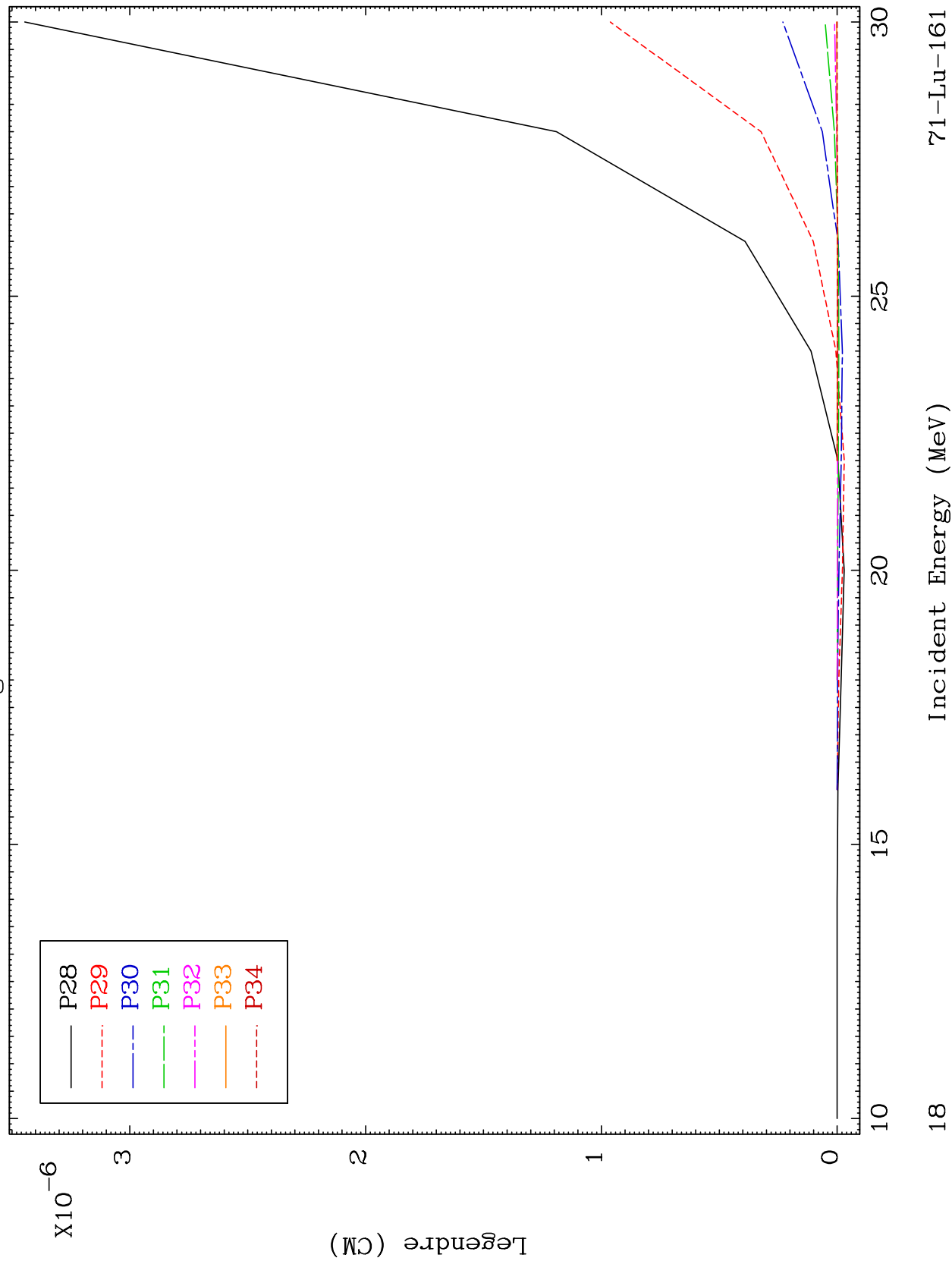
Incident Energy (MeV)

71-Lu-161

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Elastic Legendre Coefficients

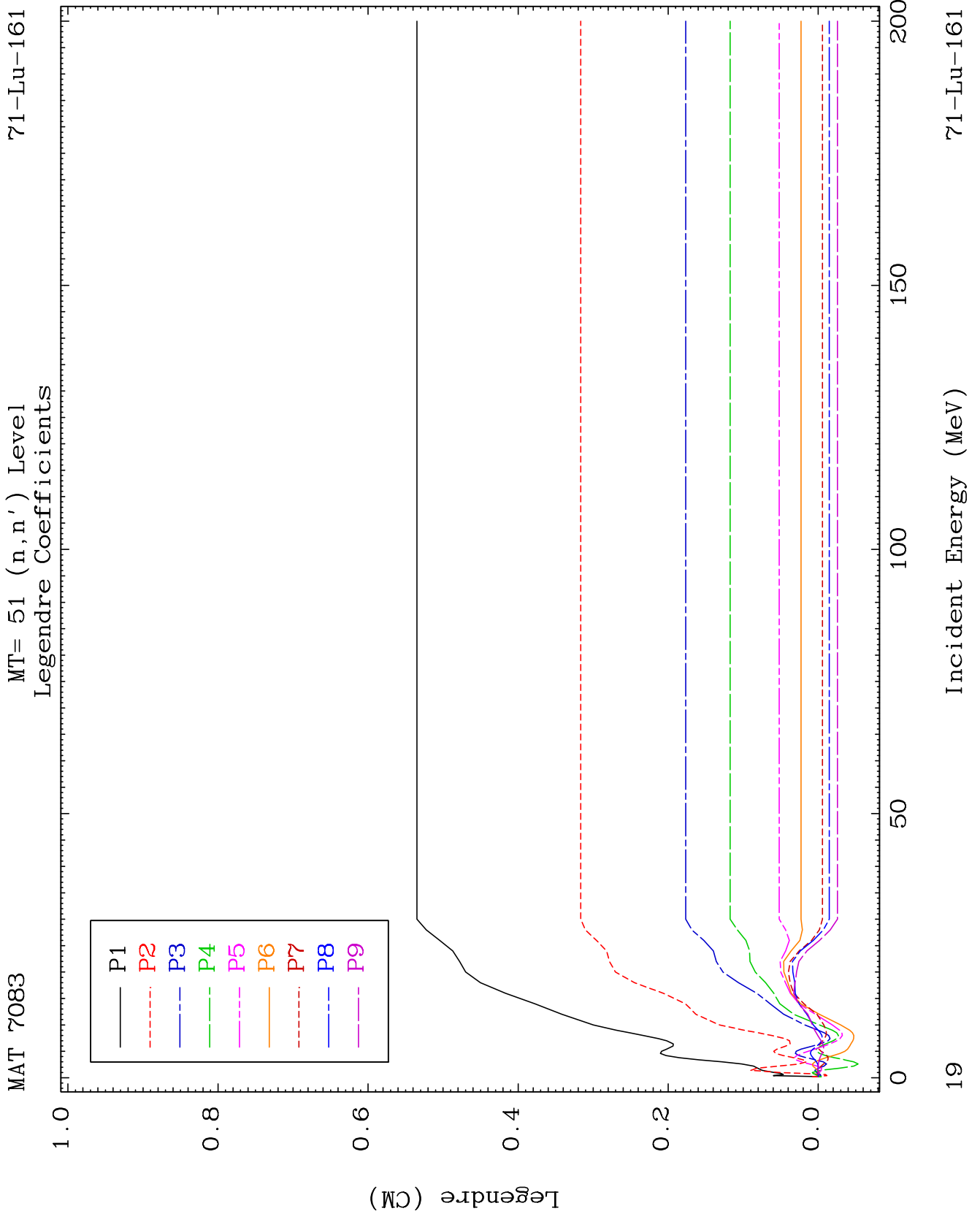
71-Lu-161

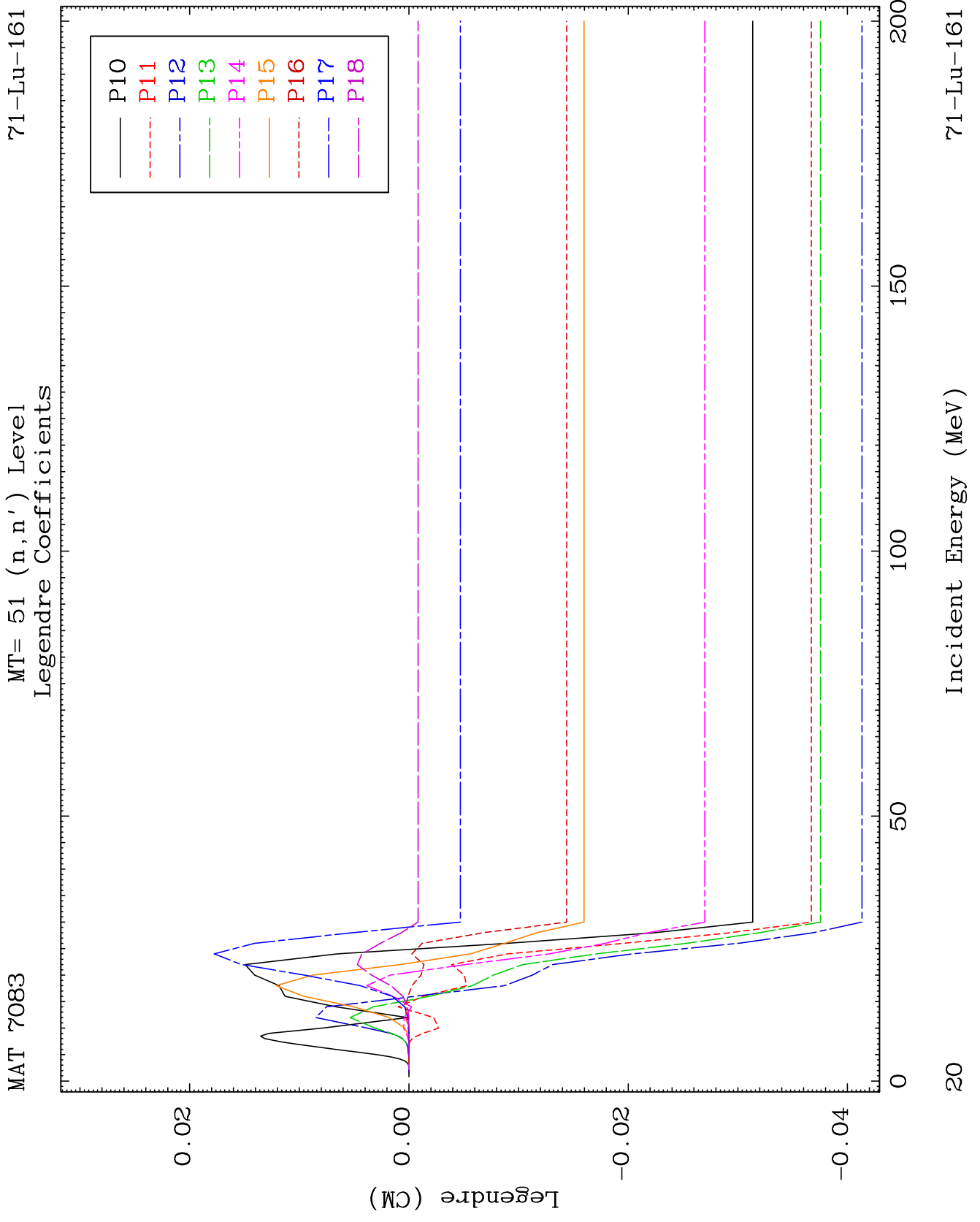


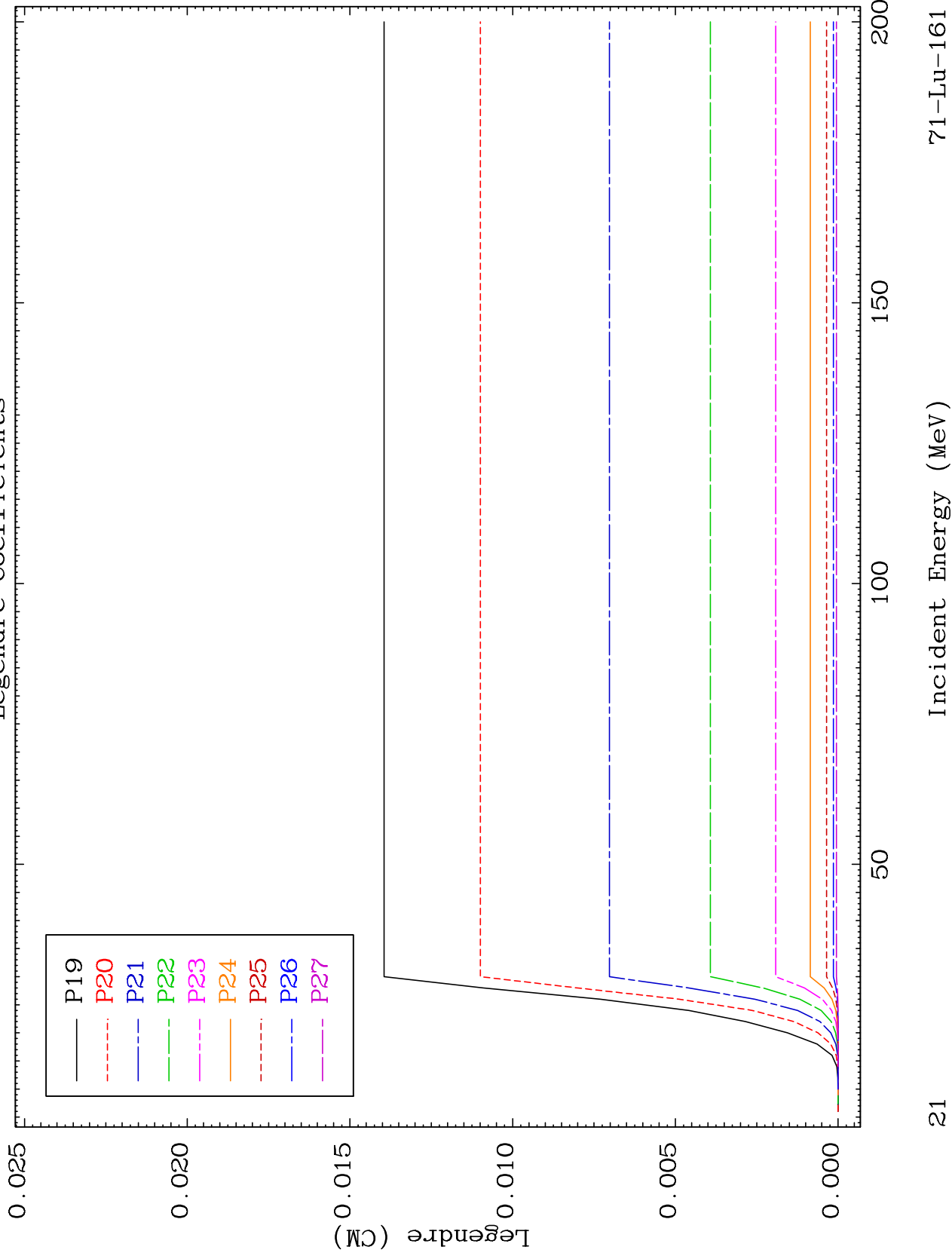
71-Lu-161

Incident Energy (MeV)

18



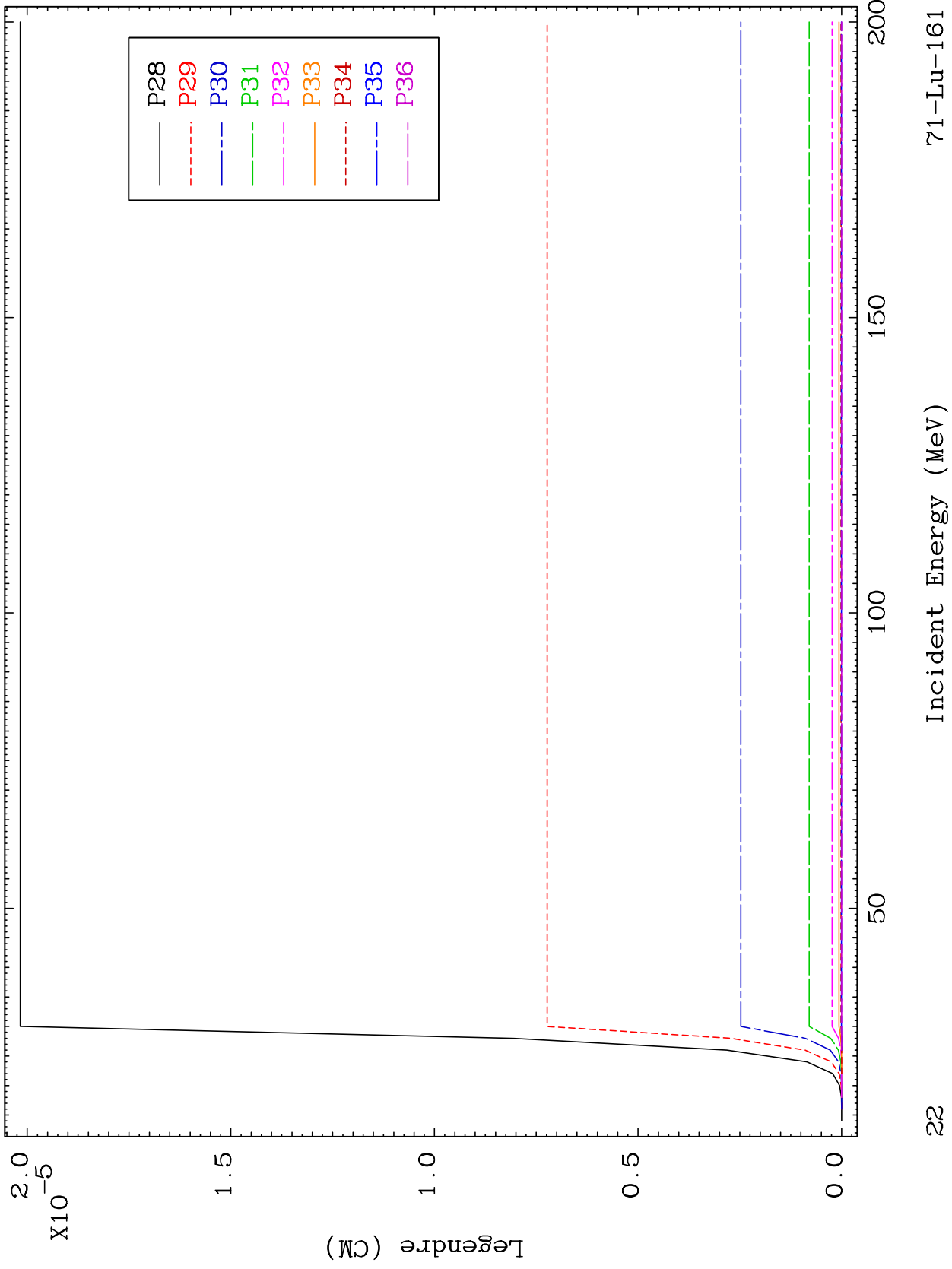




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MT= 51 (n,n') Level
Legendre Coefficients

71-Lu-161

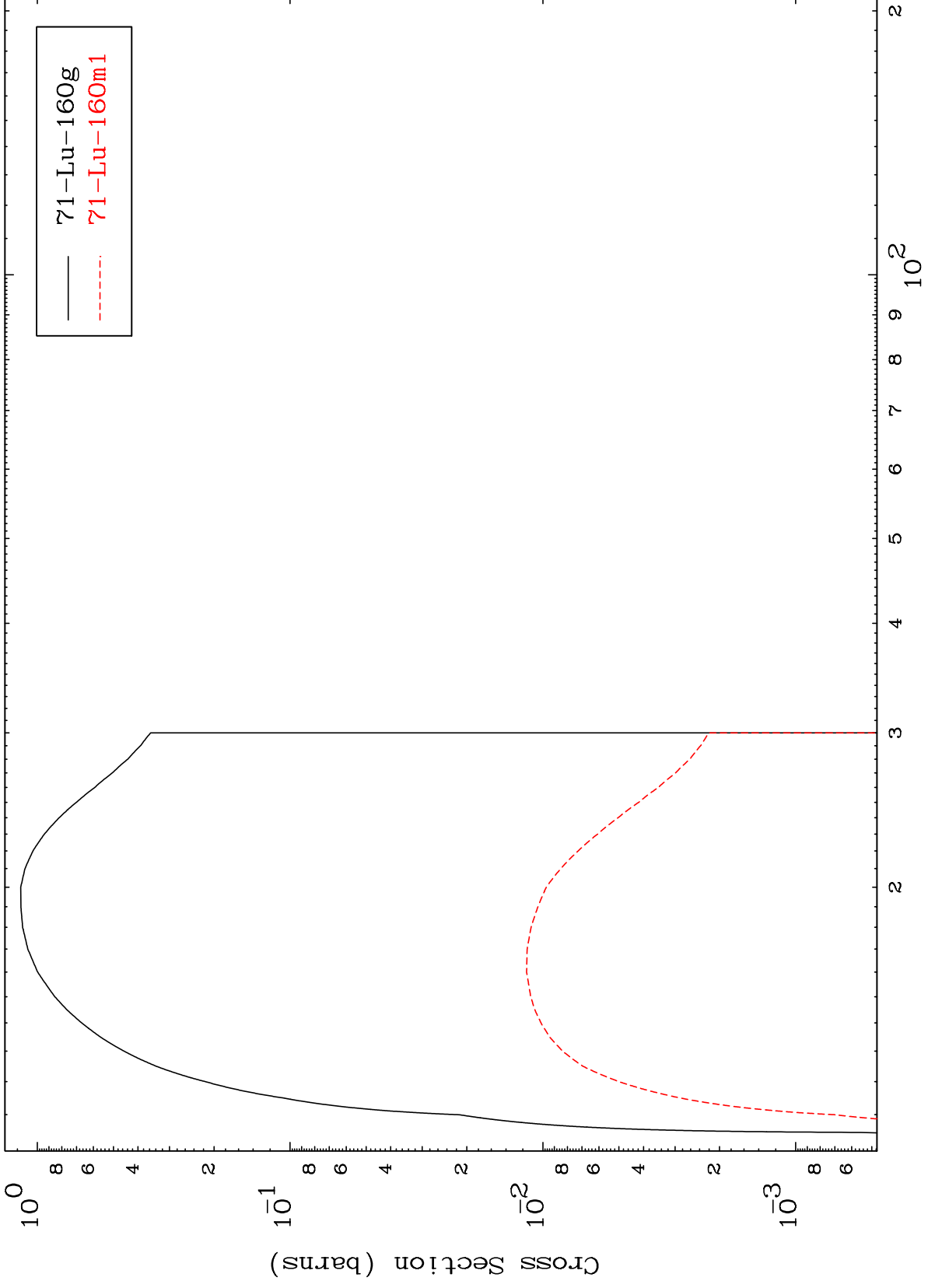


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71-Lu-161

(n,2n)

Radionuclide Production Cross Section



23

Incident Energy (MeV)

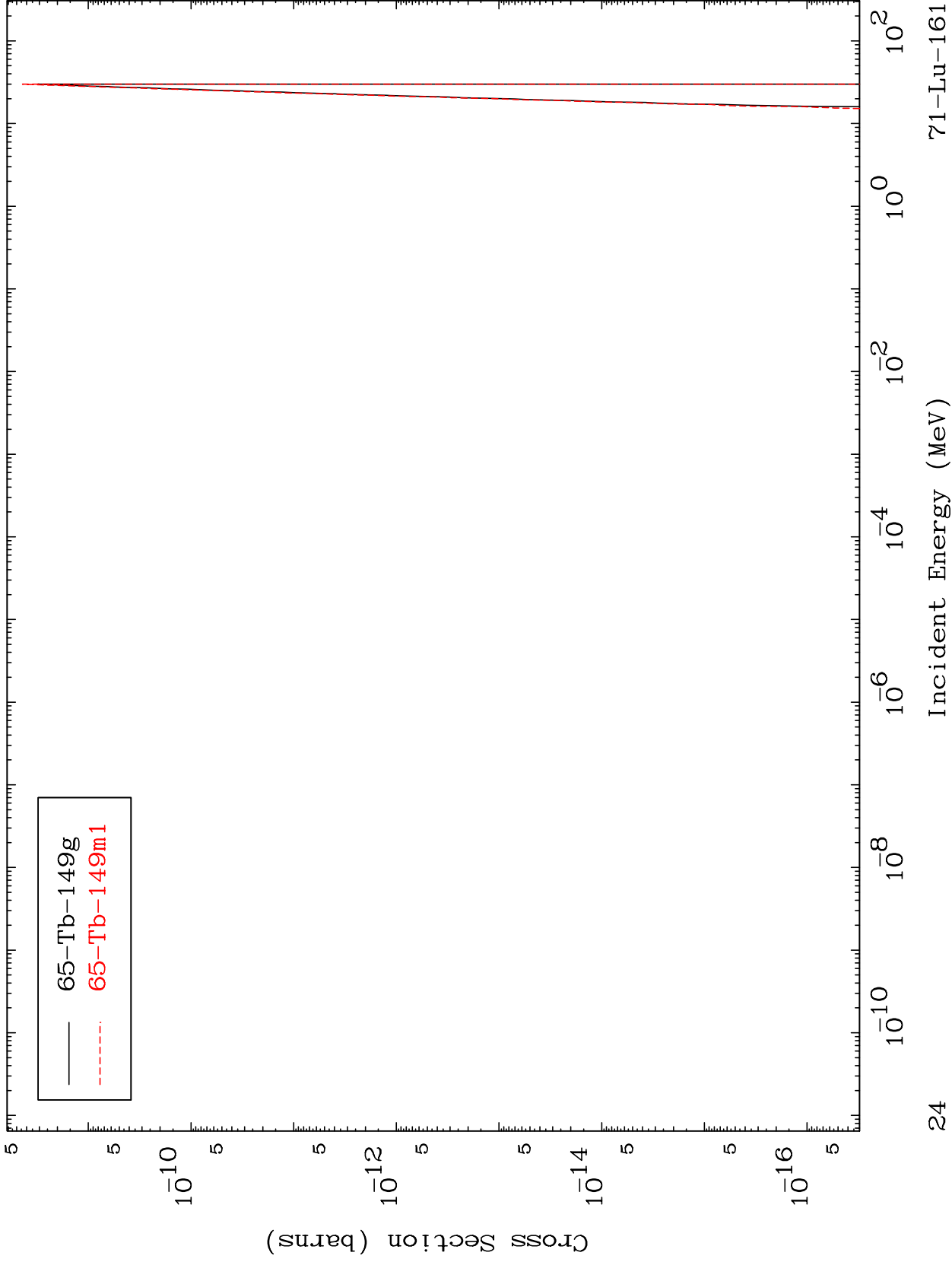
71-Lu-161

MAT 7083

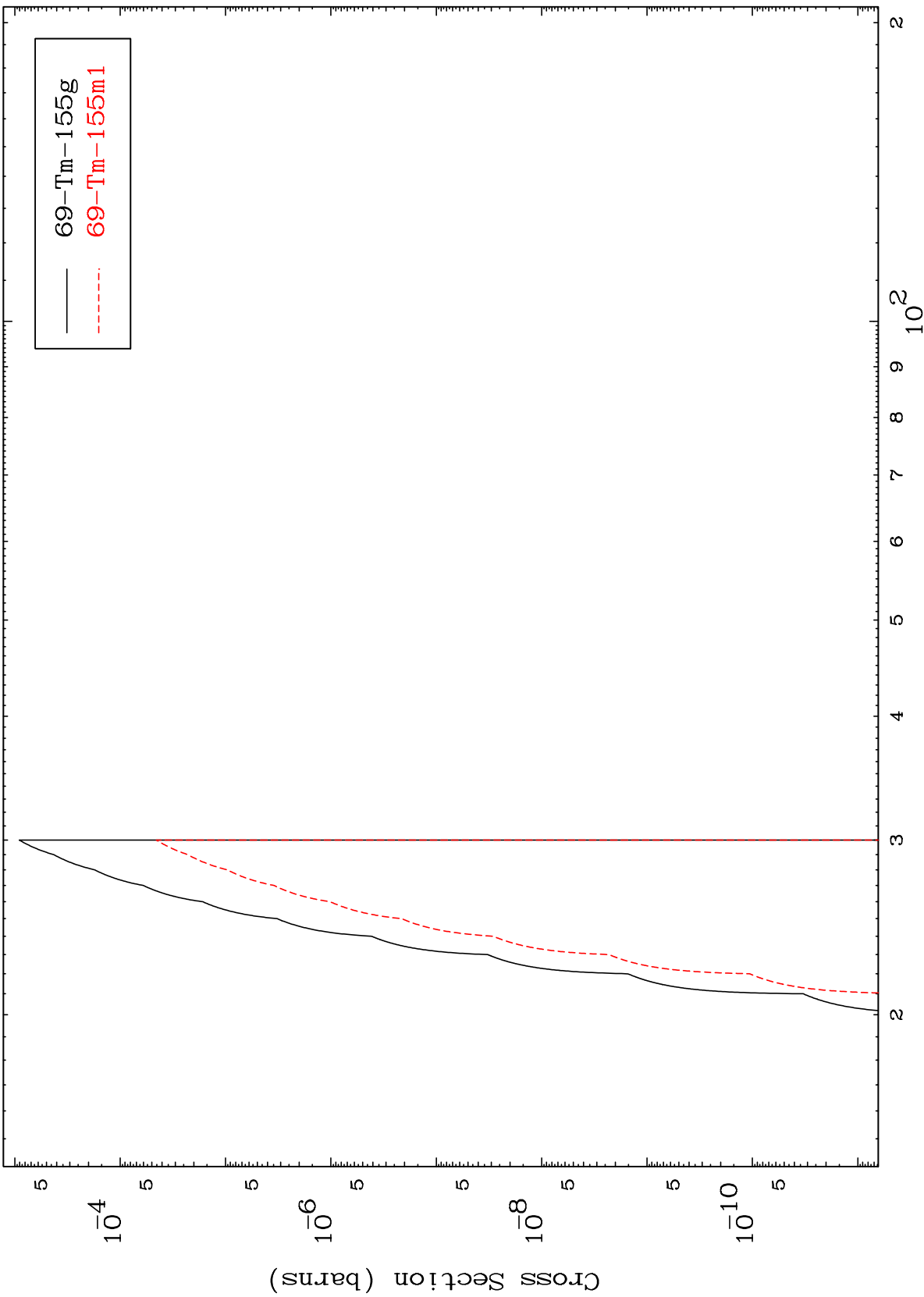
(n,n') 3 α

71-Lu-161

Radionuclide Production Cross Section



Radionuclide Production Cross Section

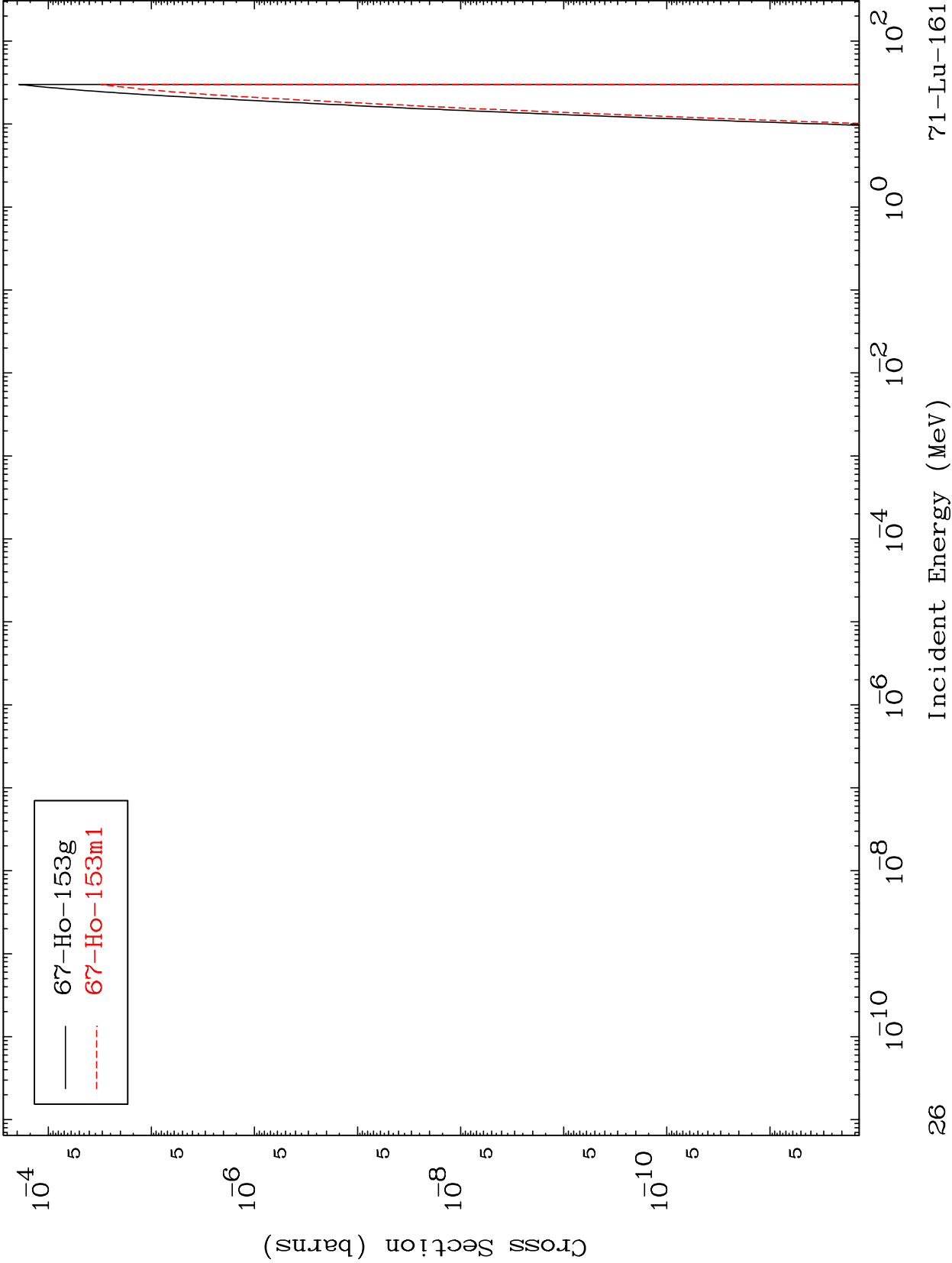


MAT 7083

(n,n') 2α

71-Lu-161

Radionuclide Production Cross Section

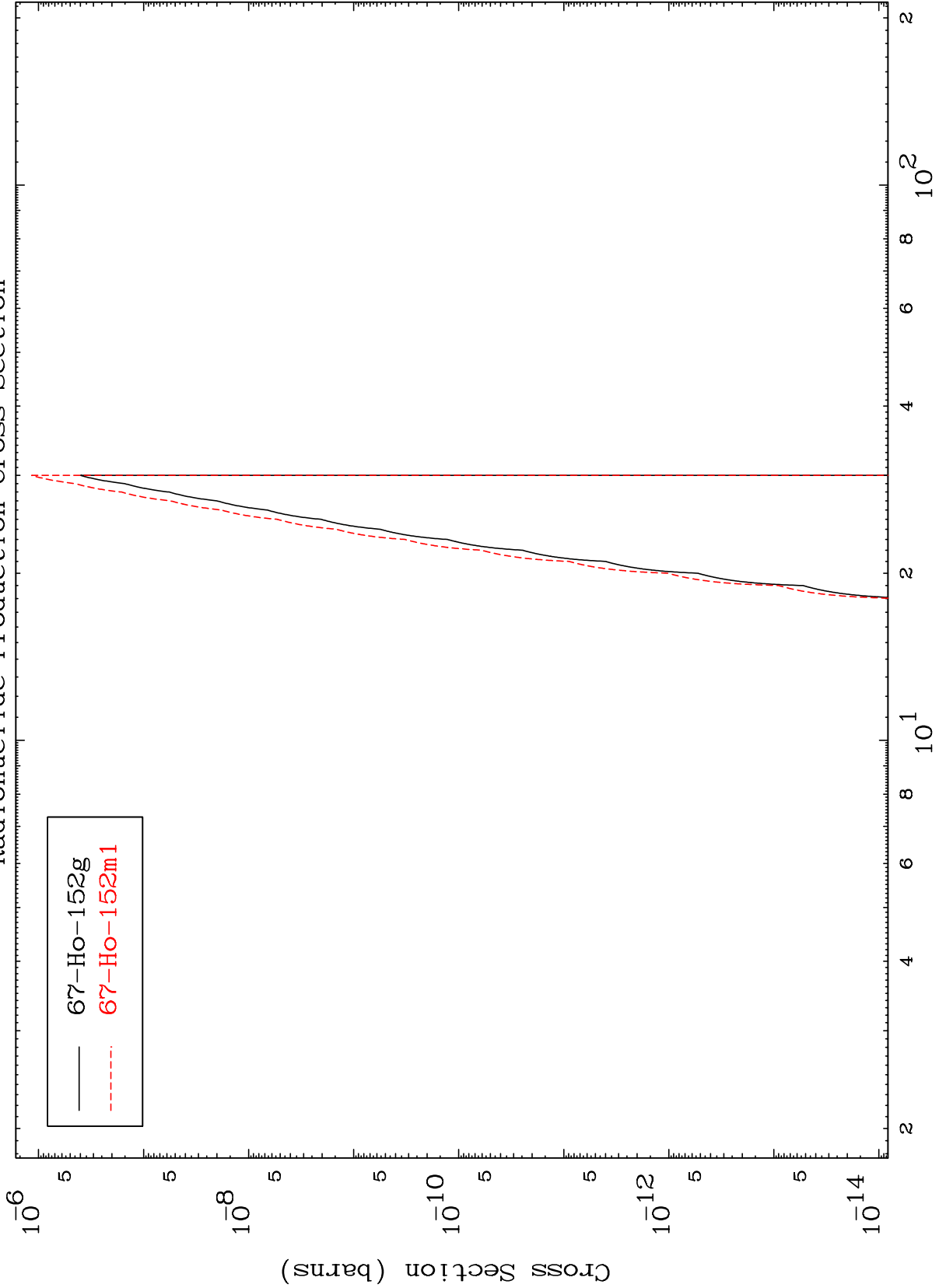


MAT 7083

(n,2n) 2α

71-Lu-161

Radionuclide Production Cross Section



— 67Ho-152g
- - - 67Ho-152m1

27

Incident Energy (MeV)

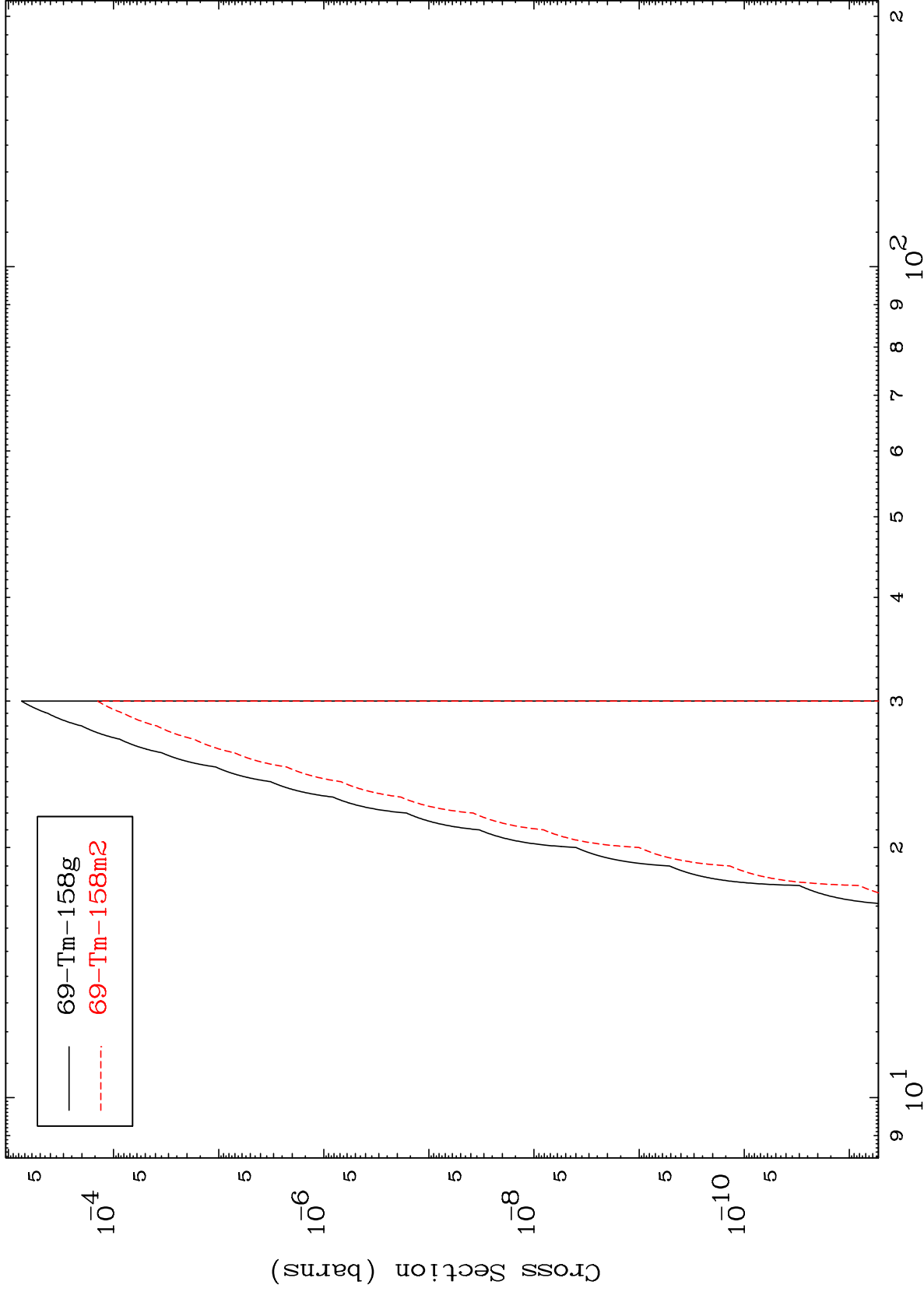
71-Lu-161

MAT 7083

(n,n') He-3

71-Lu-161

Radionuclide Production Cross Section



28

Incident Energy (MeV)

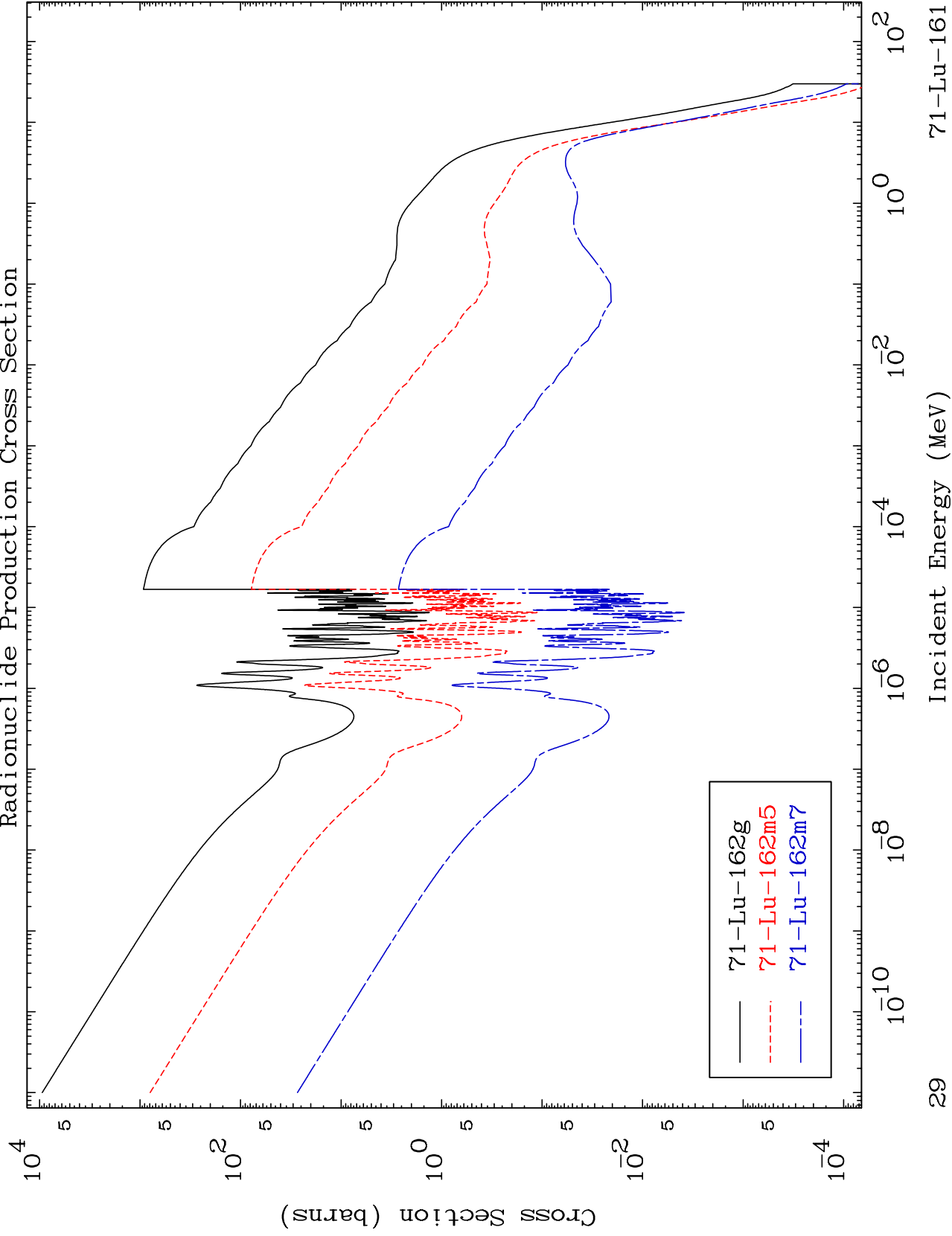
71-Lu-161

MAT 7083

71-Lu-161

Radionuclide Production Cross Section

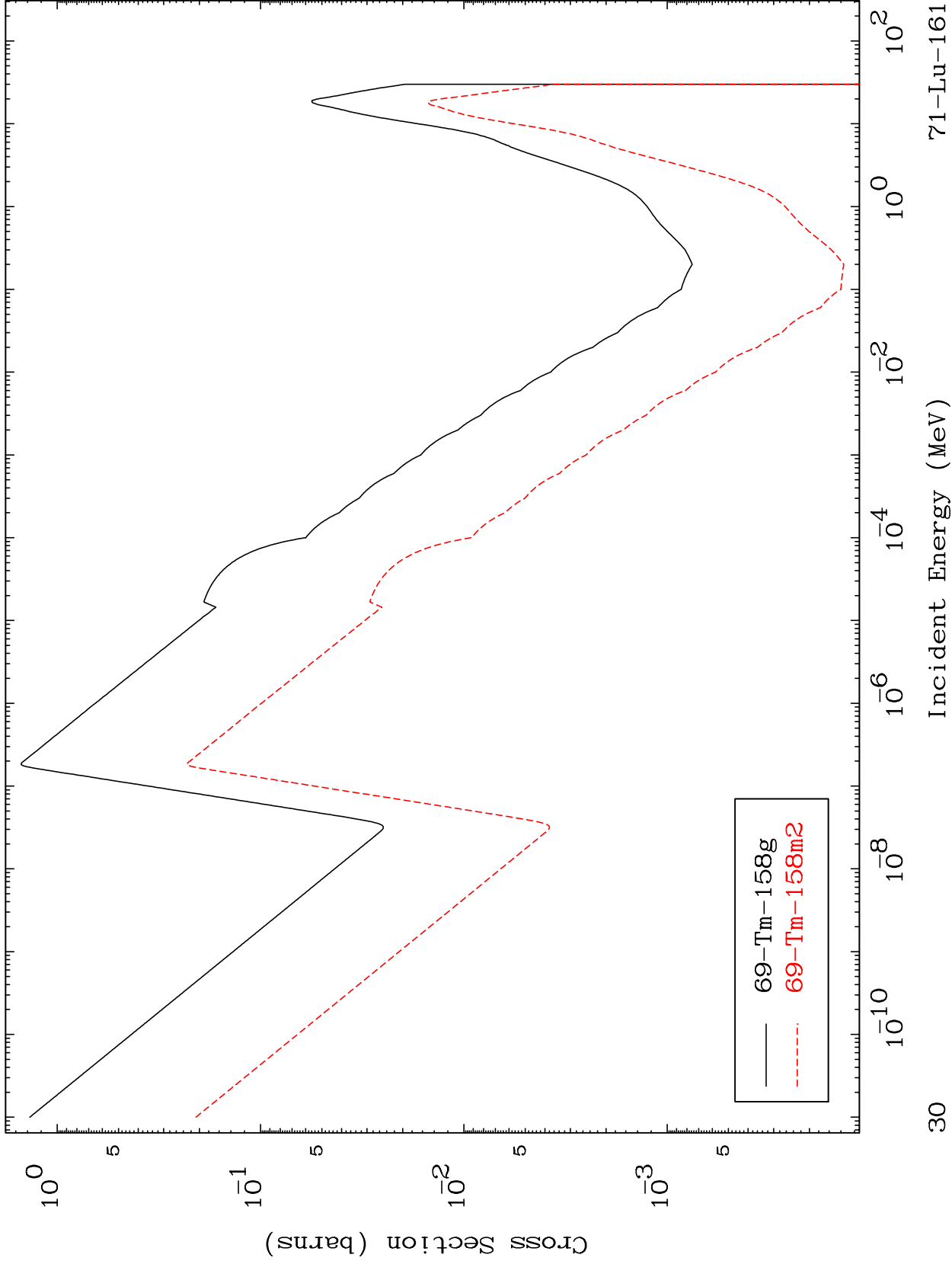
(n, γ)



MAT 7083

71-Lu-161

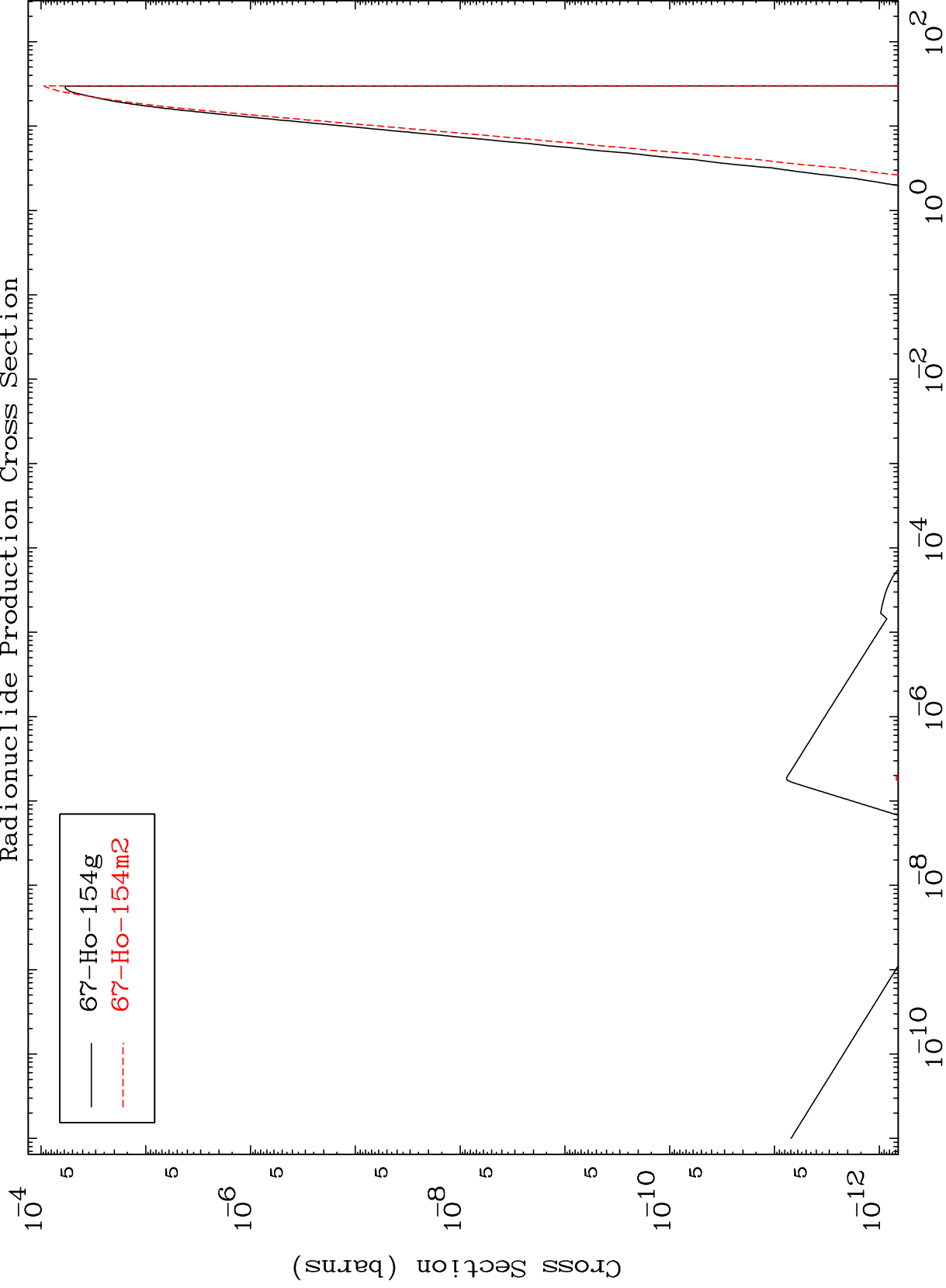
(n, α)
Radionuclide Production Cross Section



MAT 7083

71-Lu-161

Radionuclide Production Cross Section
(n,2α)



31

Incident Energy (MeV)

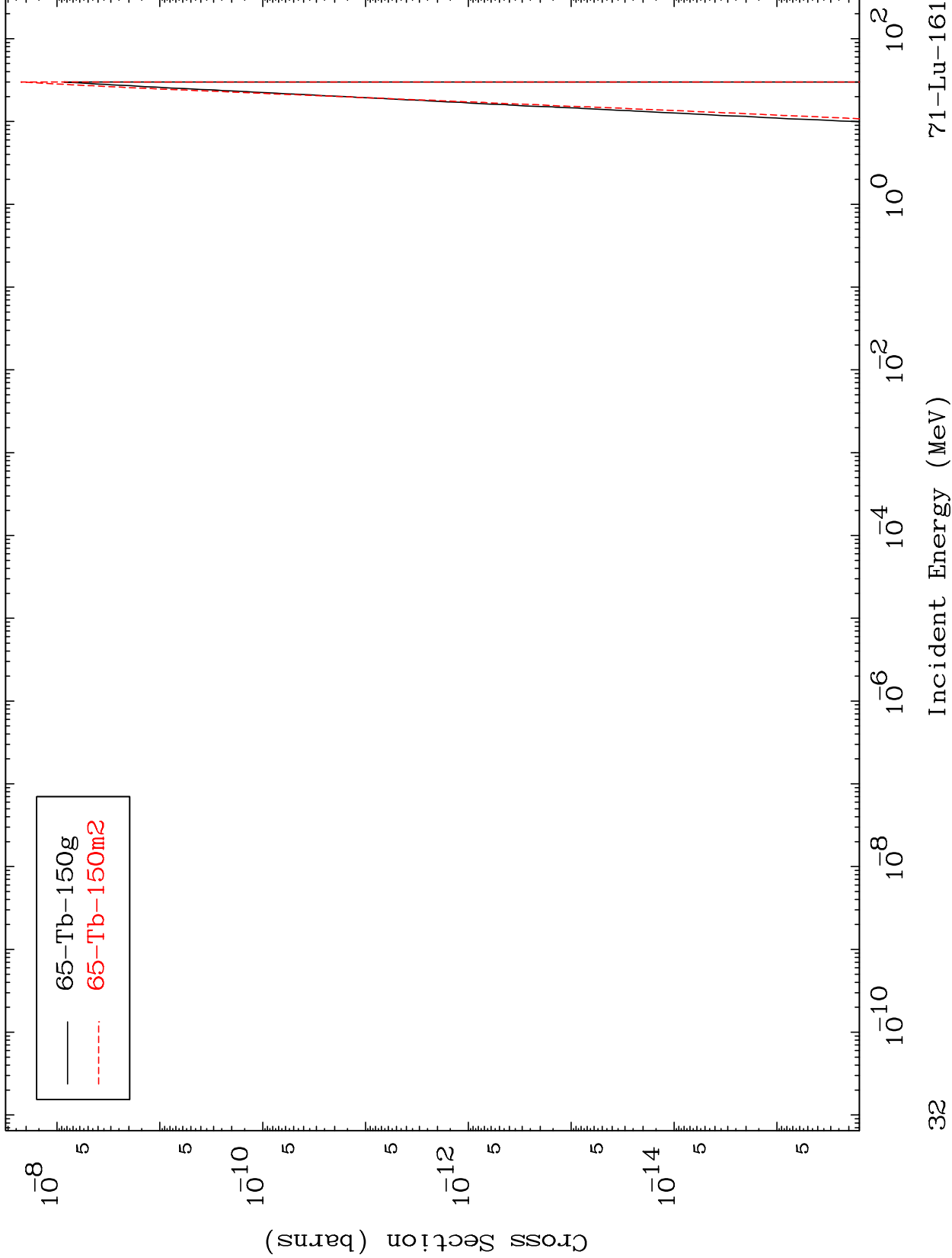
71-Lu-161

MAT 7083

(n,3α)

⁷¹Lu-161

Radionuclide Production Cross Section

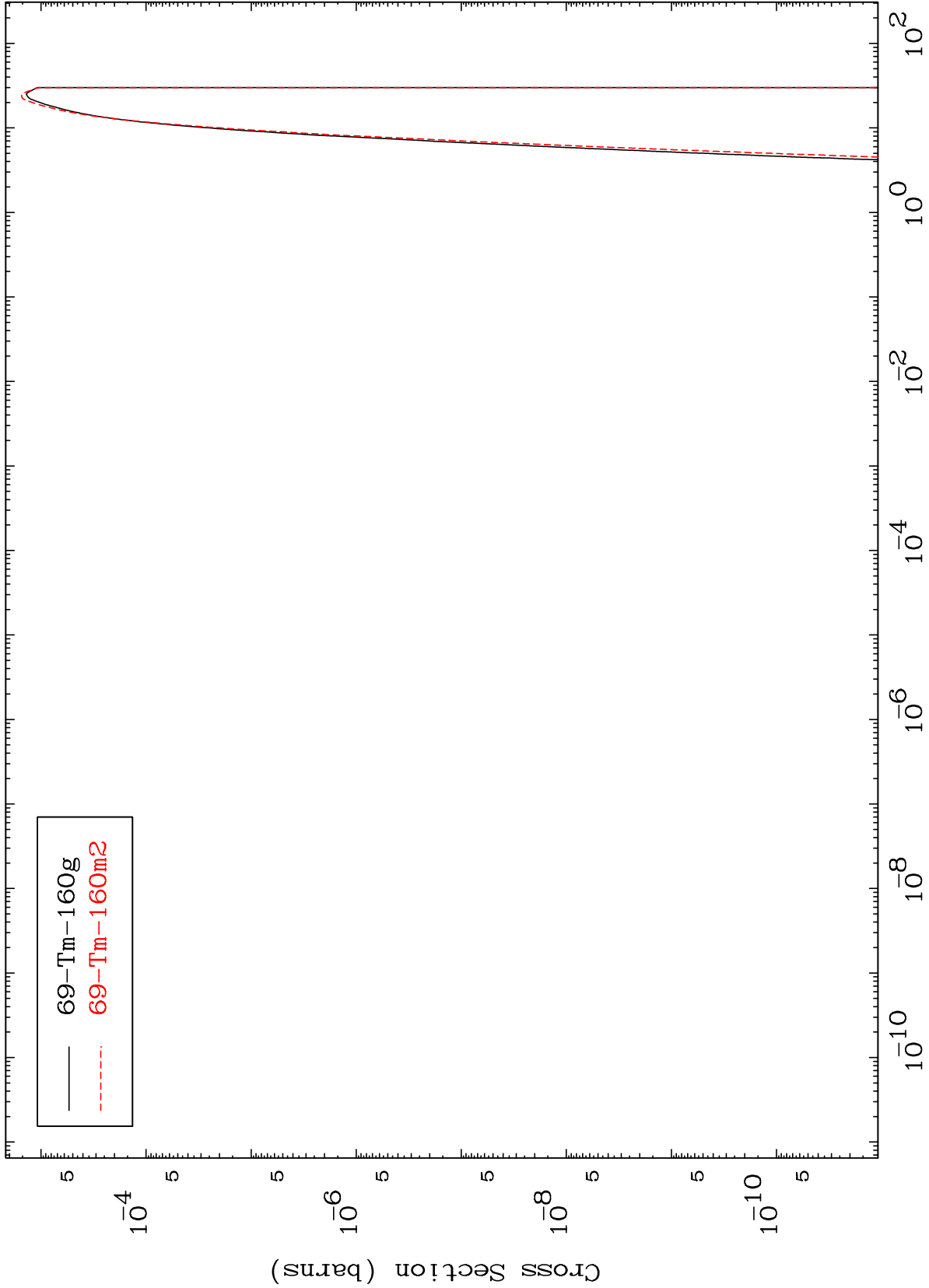


MAT 7083

(n,2p)

⁷¹Lu-161

Radionuclide Production Cross Section



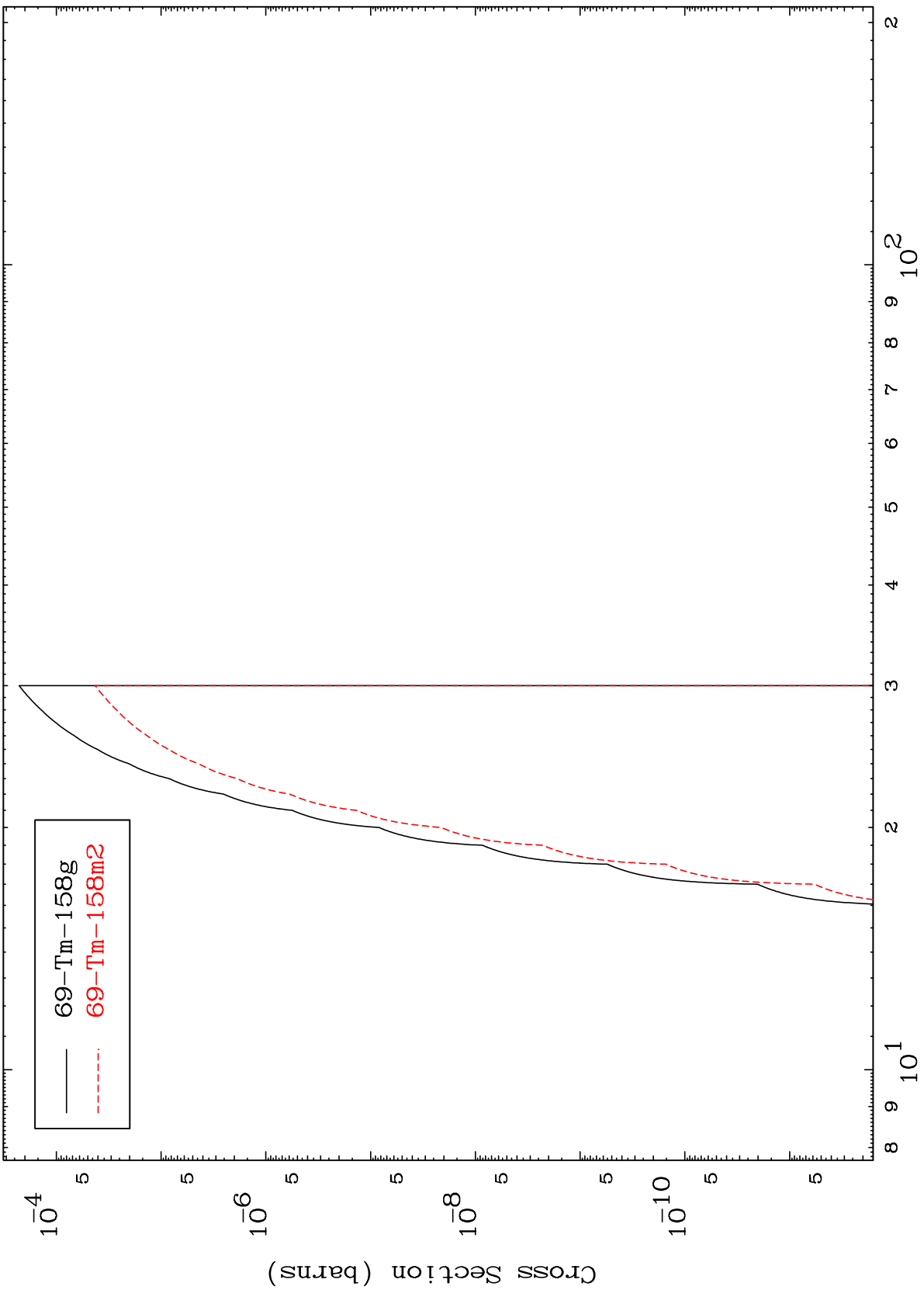
— 69-Tm-160g
- - - 69-Tm-160m2

MAT 7083

(n,p) t

71-Lu-161

Radionuclide Production Cross Section



34

Incident Energy (MeV)

71-Lu-161