

Program EVALPLOT
(Version 2015-2)

by

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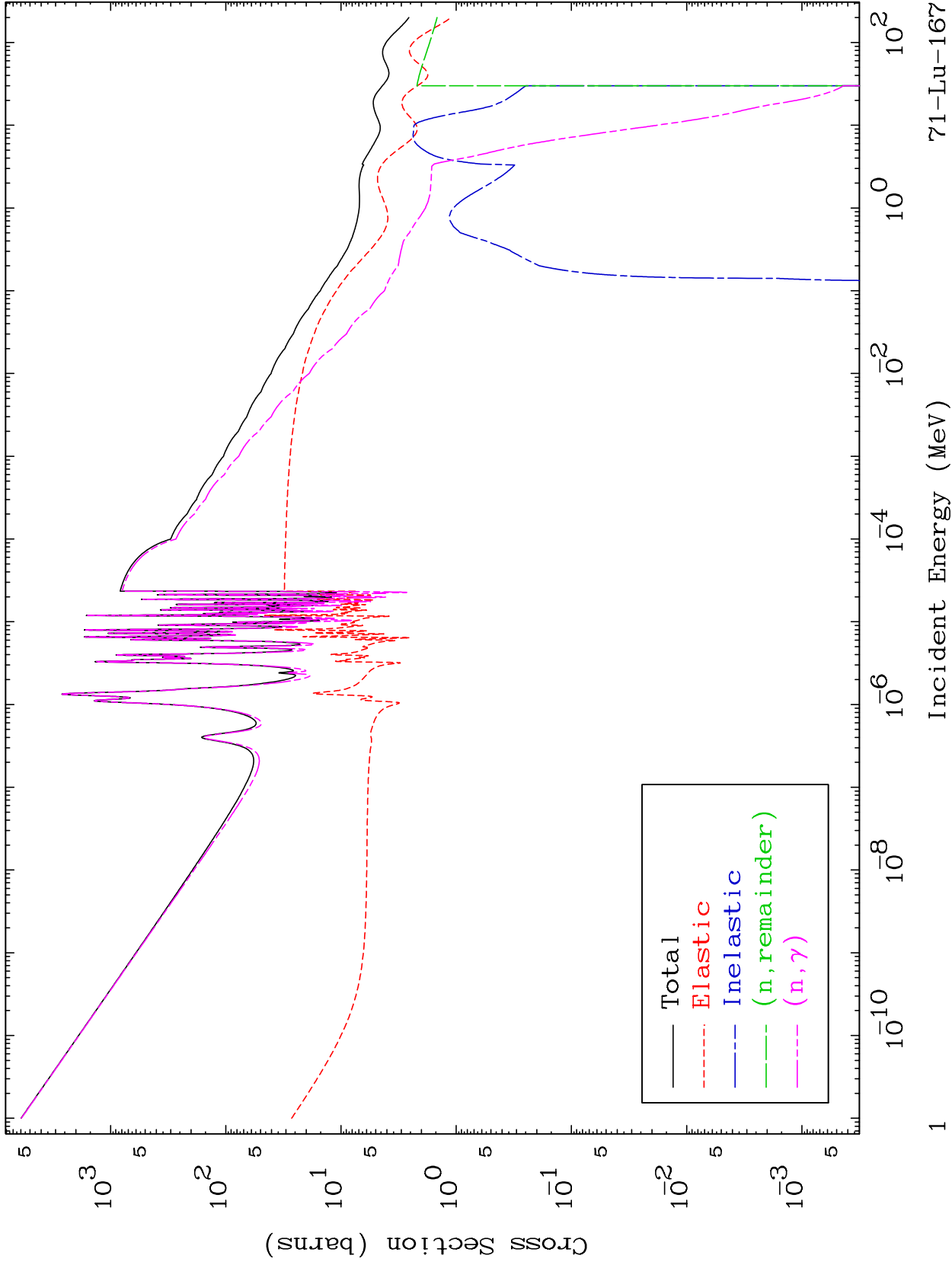
Press Mouse Button to Start

MAT 7101

Major

293 Kelvin Cross Sections

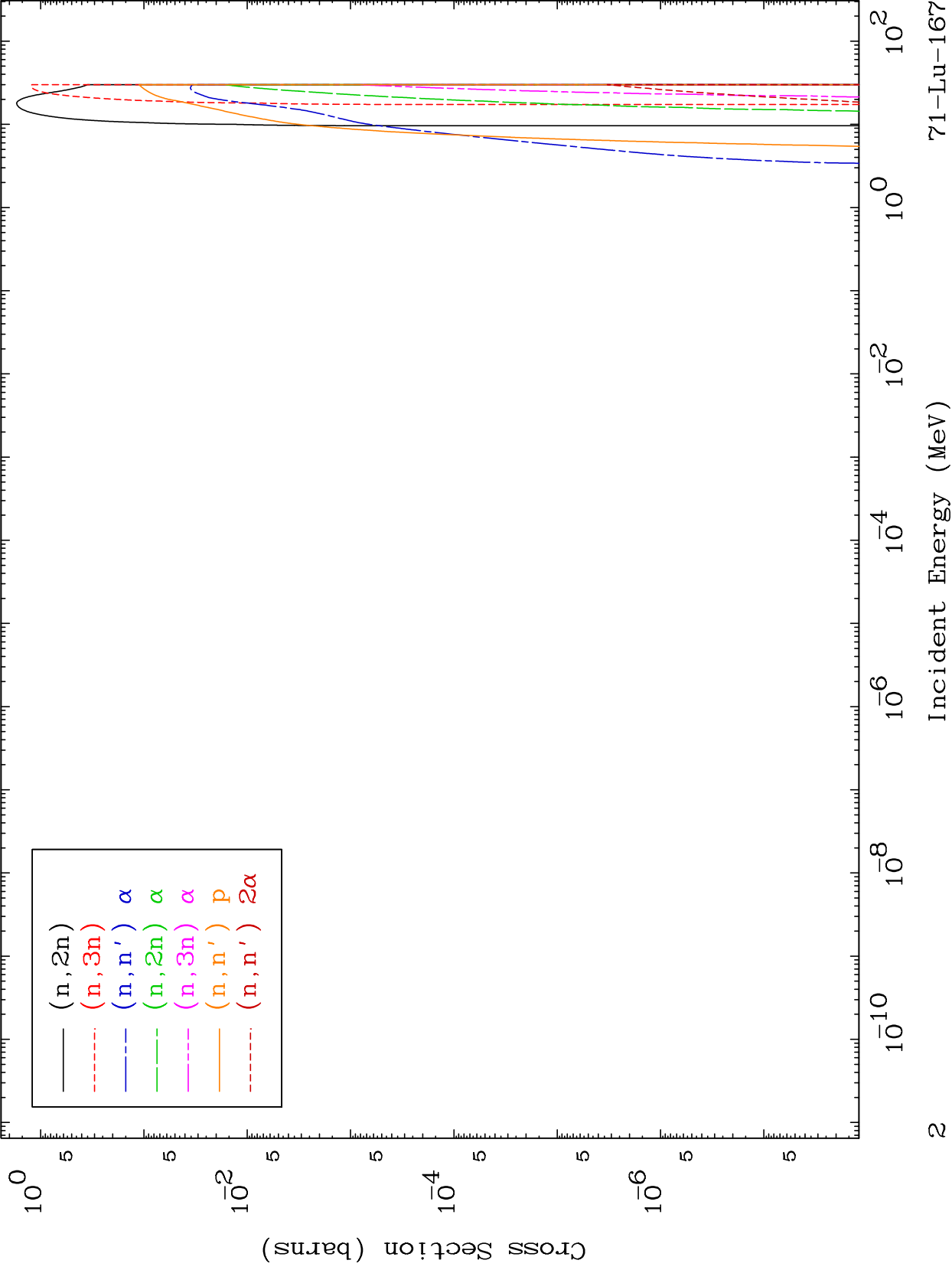
71-Lu-167

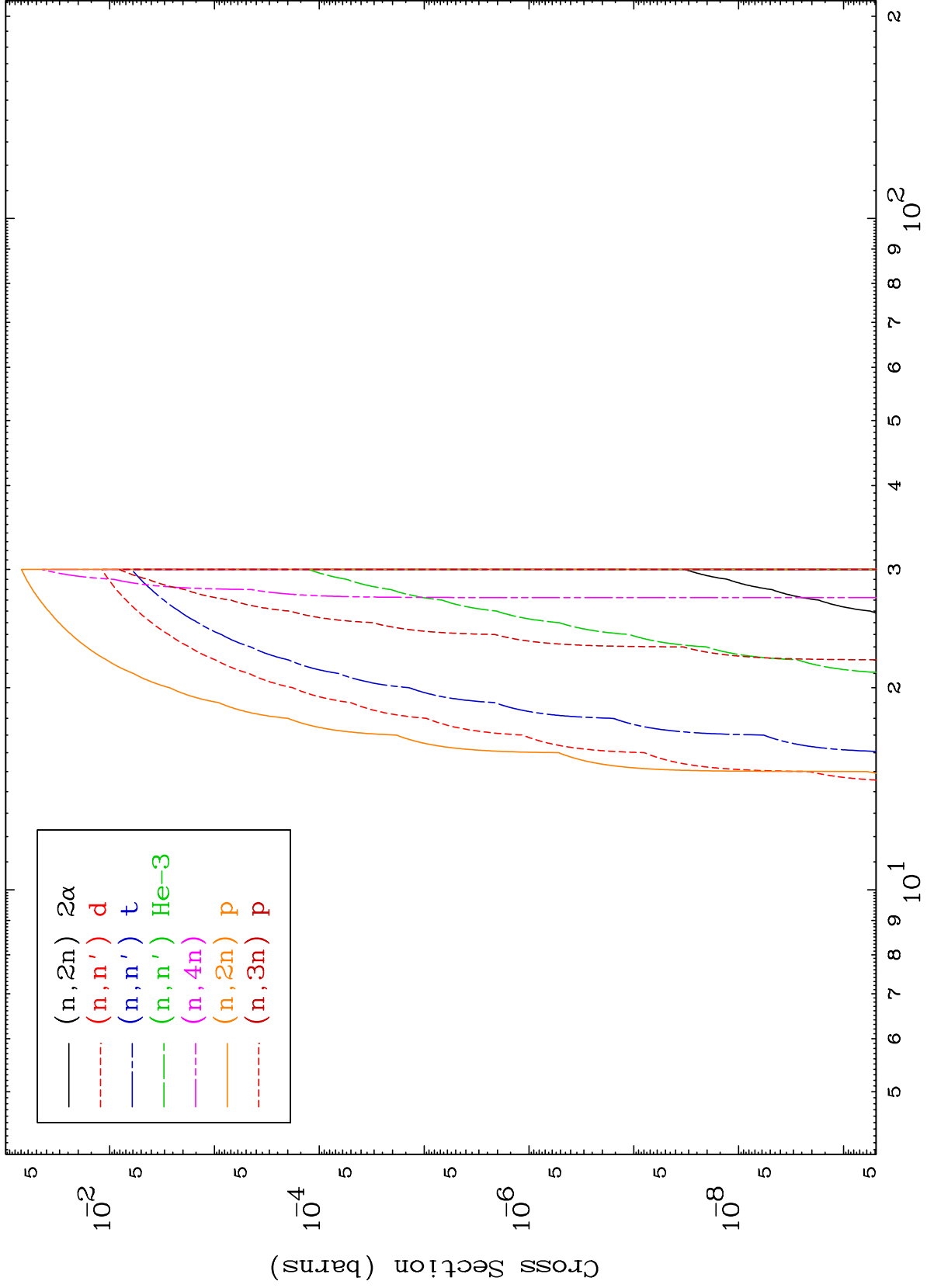


MAT 7101

Neutron Production
293 Kelvin Cross Sections

71-Lu-167

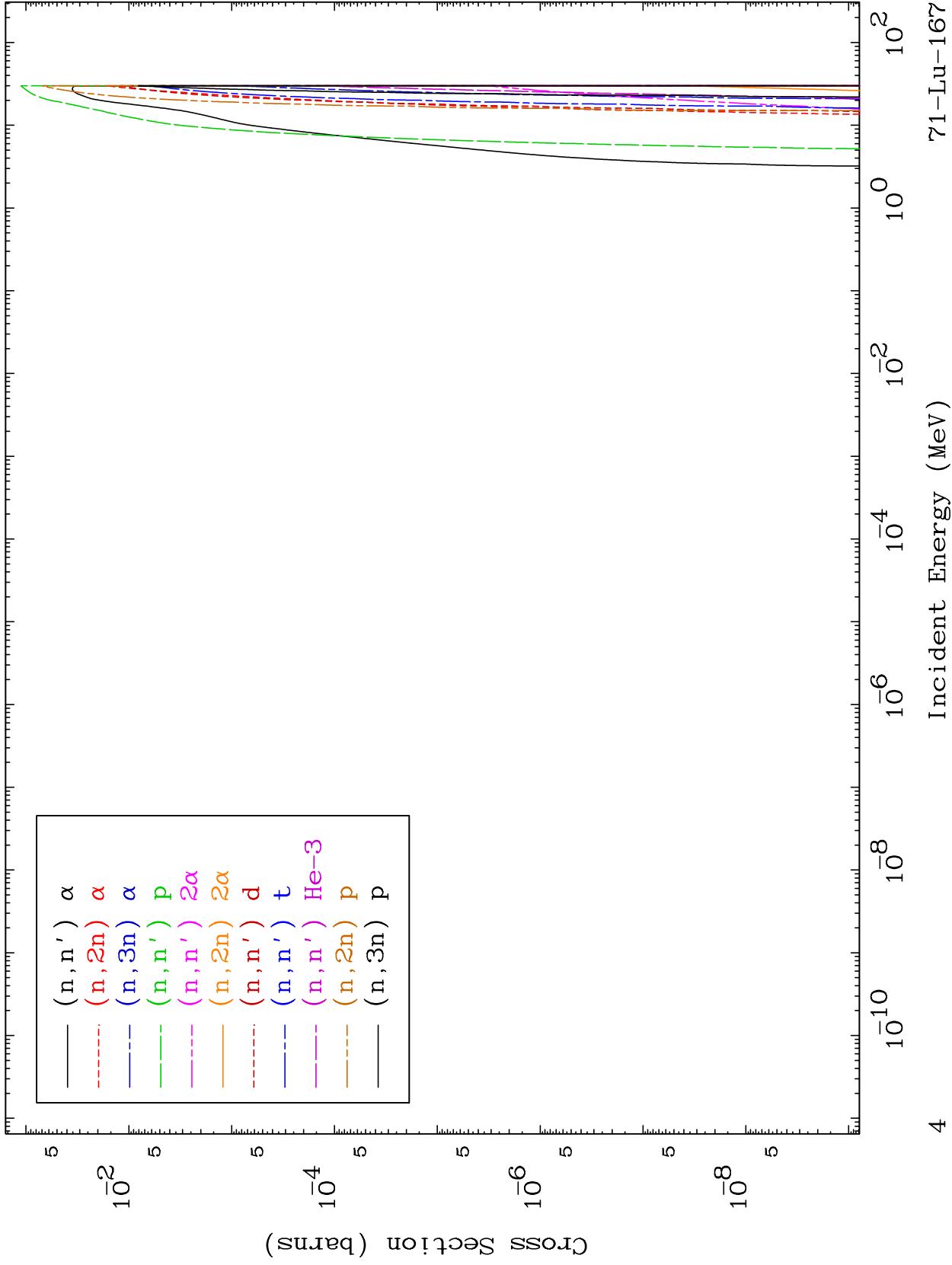




MAT 7101

Charged Particle
293 Kelvin Cross Sections

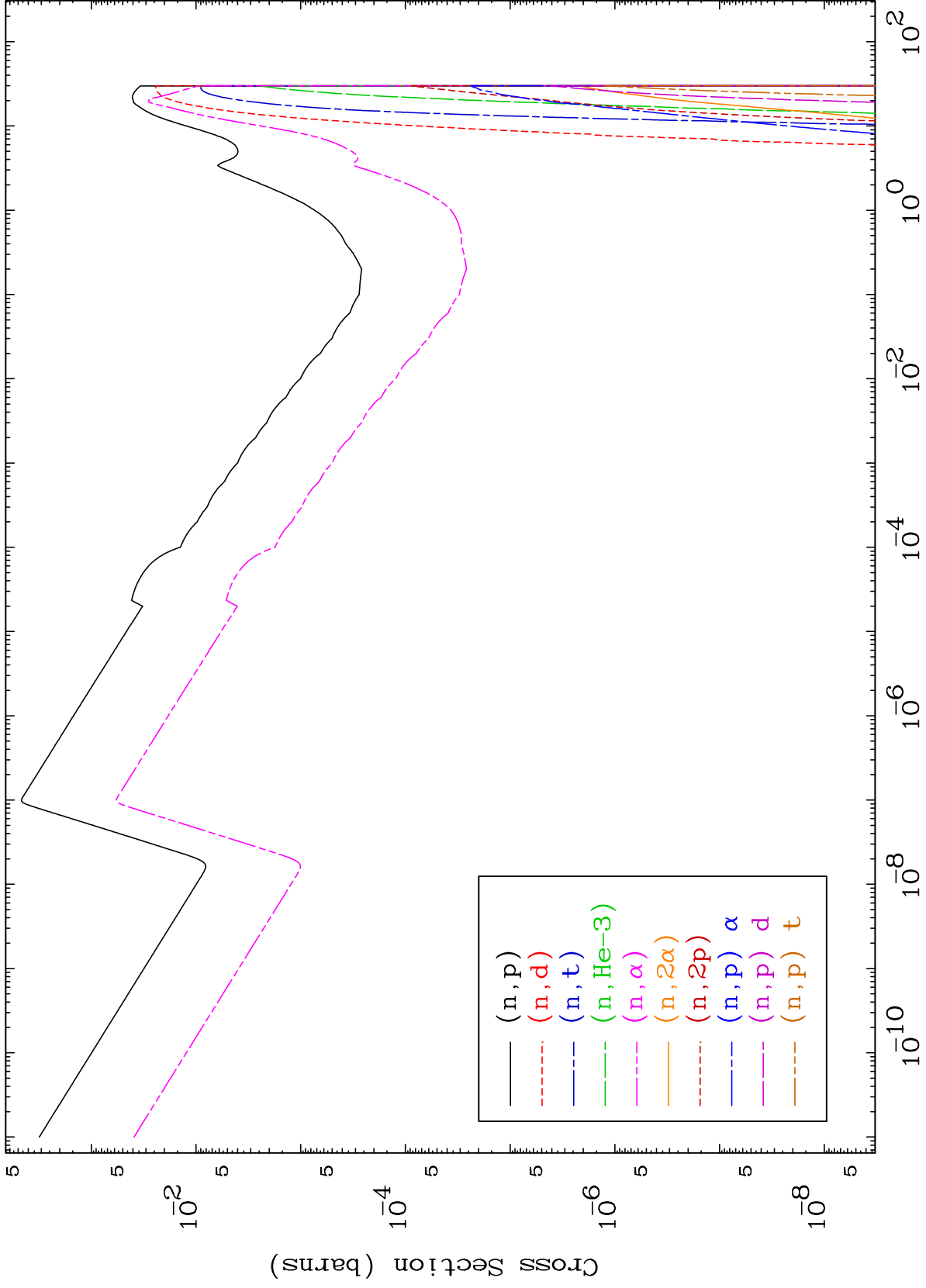
71-Lu-167



MAT 7101

Charged Particle
293 Kelvin Cross Sections

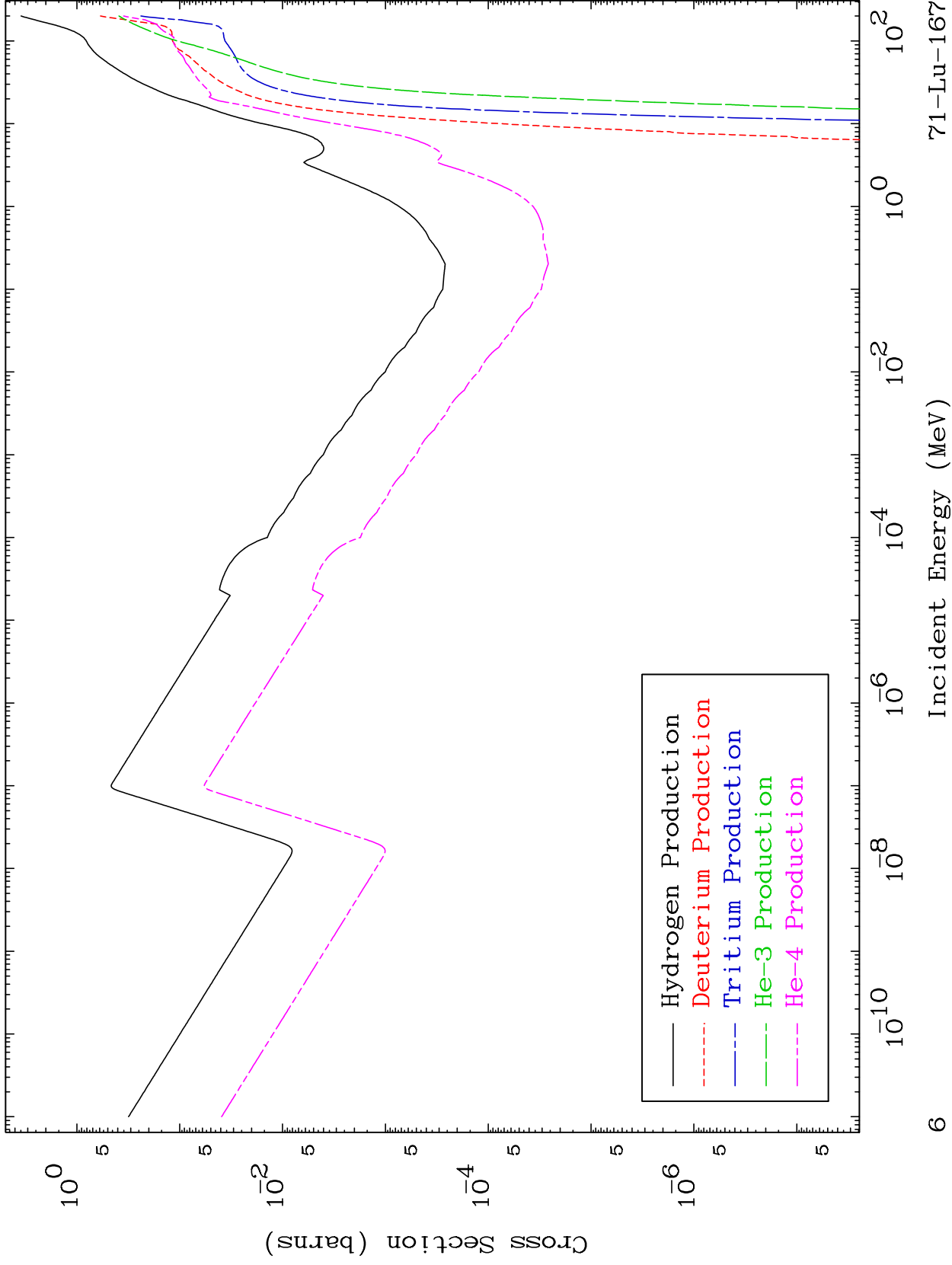
71-Lu-167

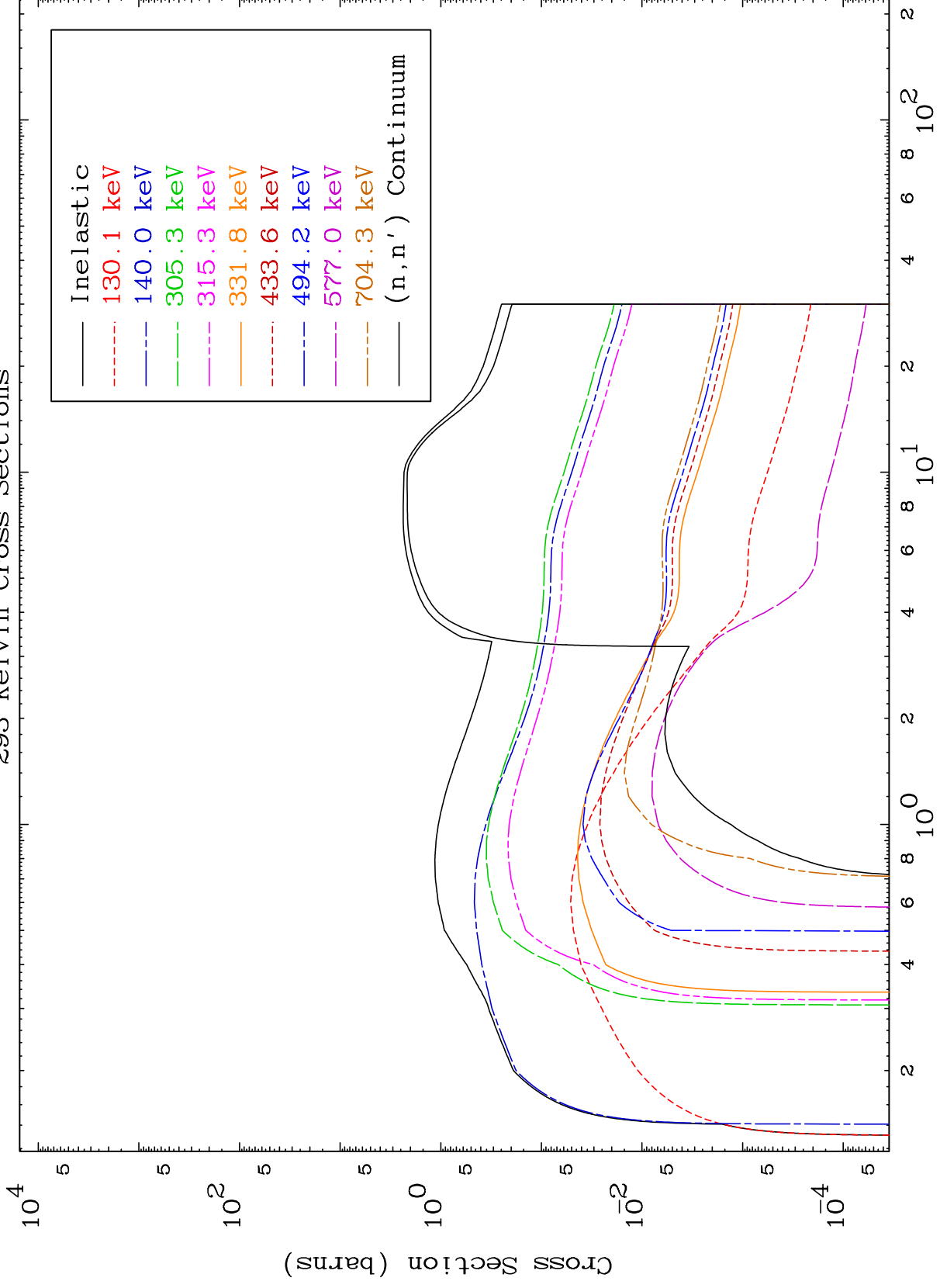


5

Incident Energy (MeV)

71-Lu-167

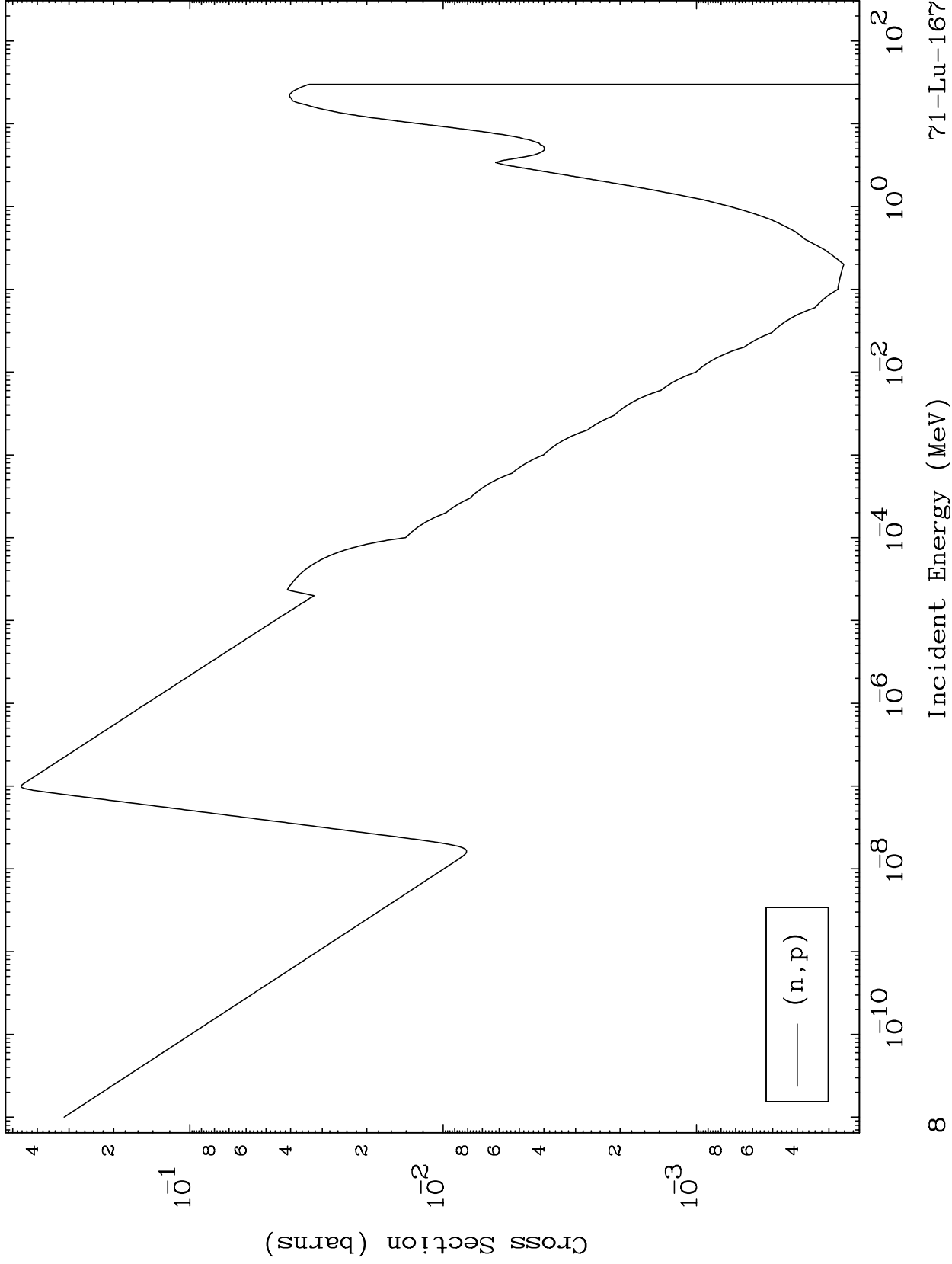




MAT 7101

(n,p) Levels
293 Kelvin Cross Sections

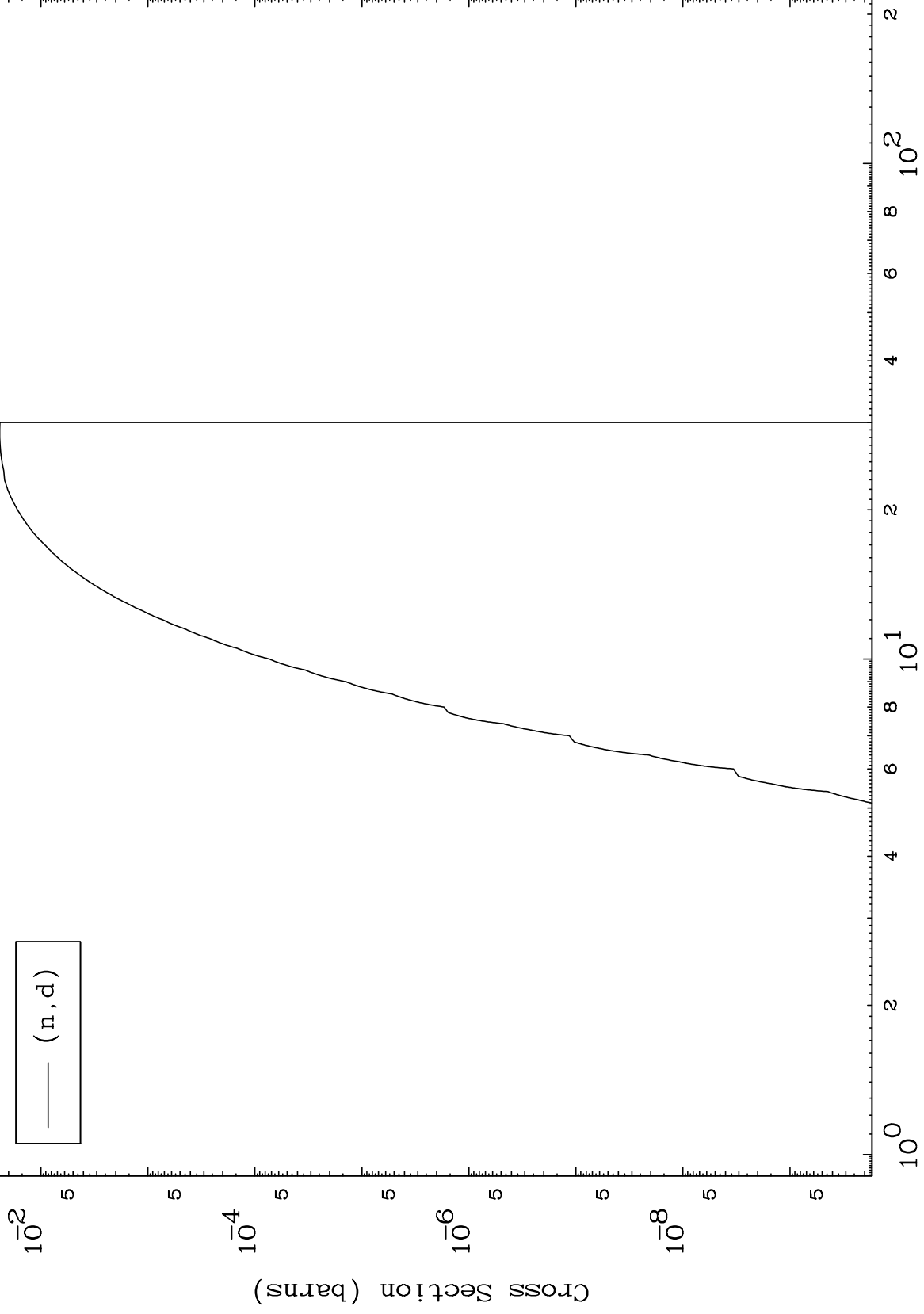
71-Lu-167



MAT 7101

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-167



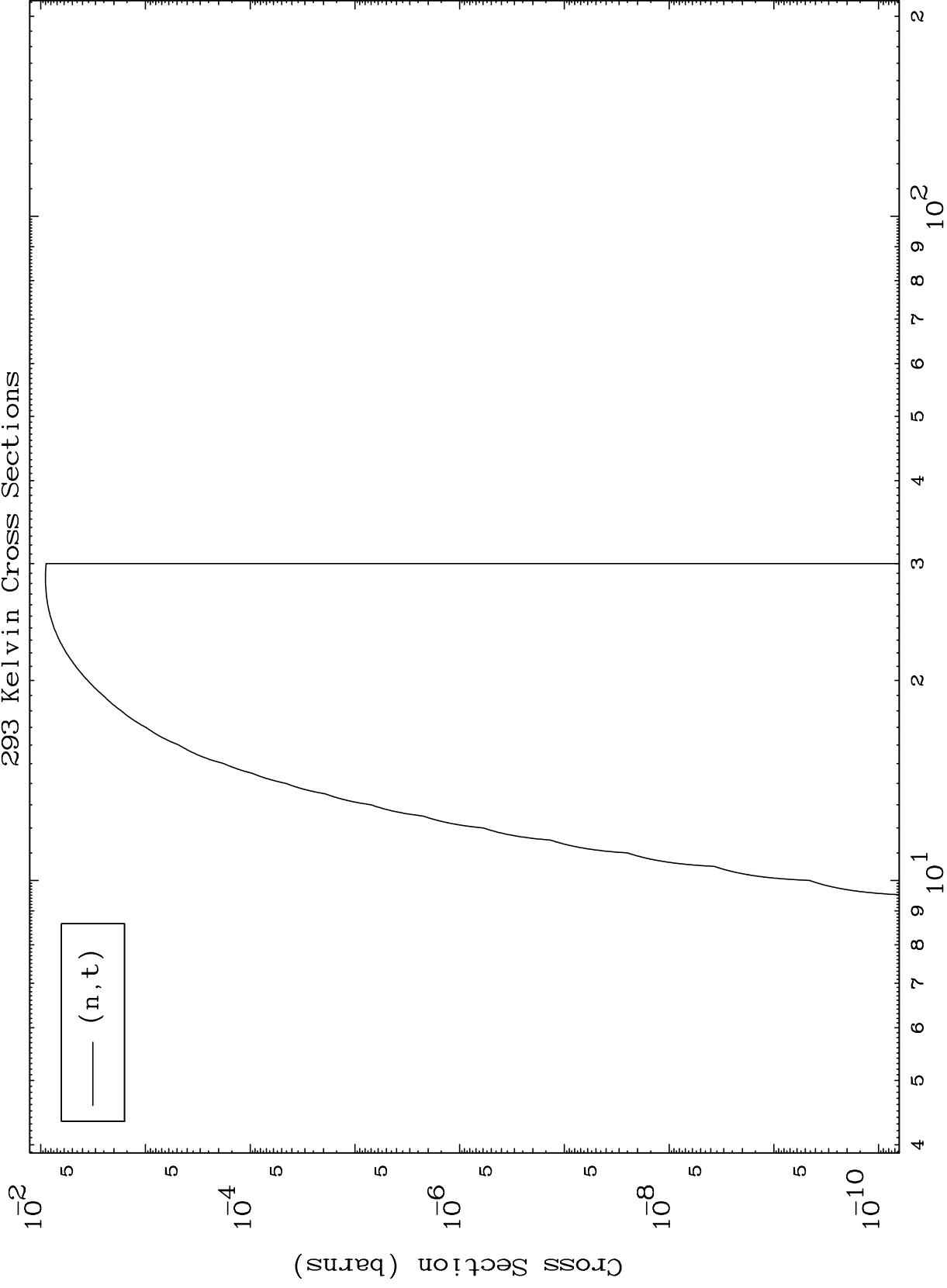
Incident Energy (MeV)

71-Lu-167

MAT 7101

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-167



10

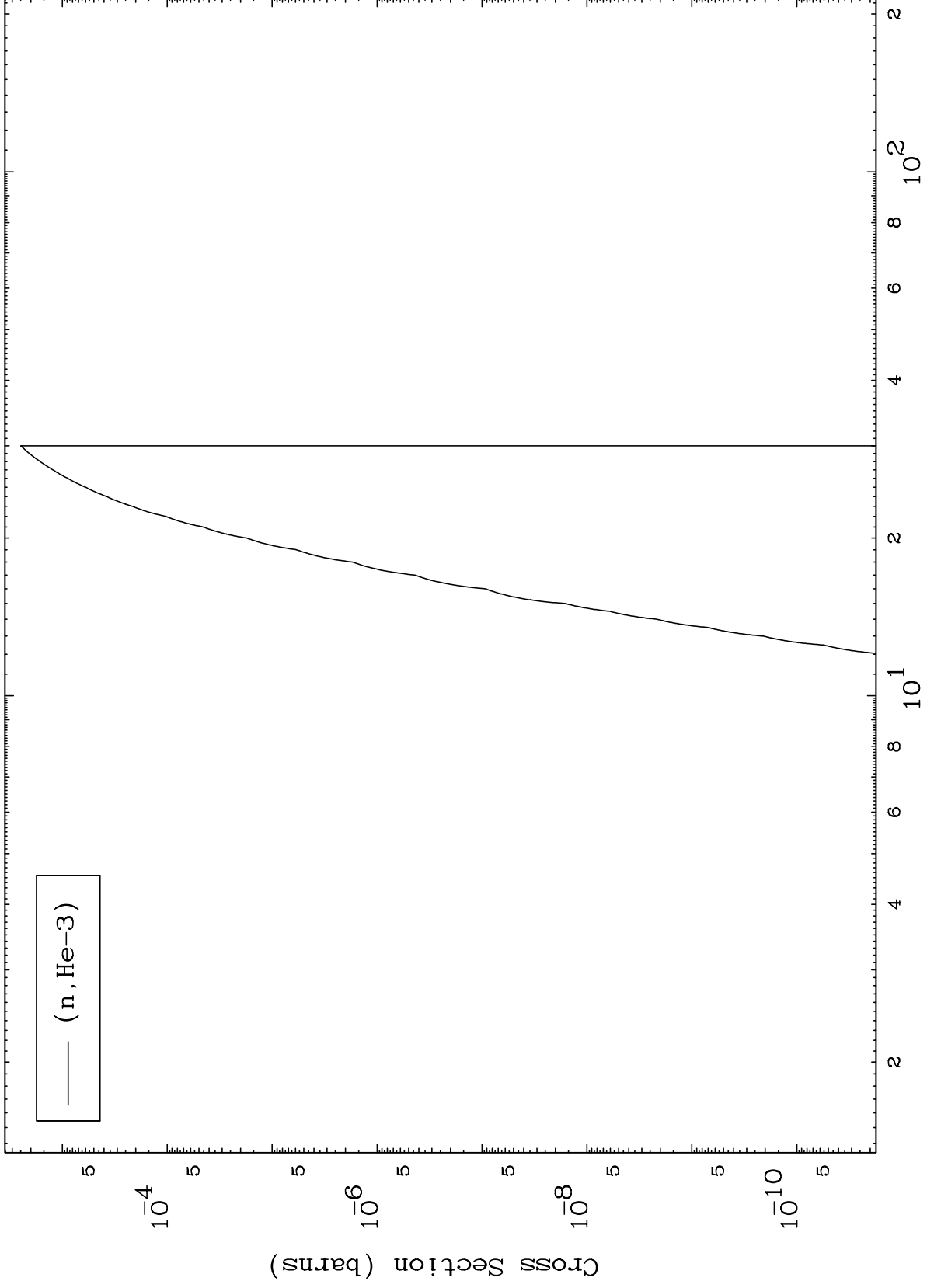
Incident Energy (MeV)

71-Lu-167

MAT 7101

(n,He3) Levels
293 Kelvin Cross Sections

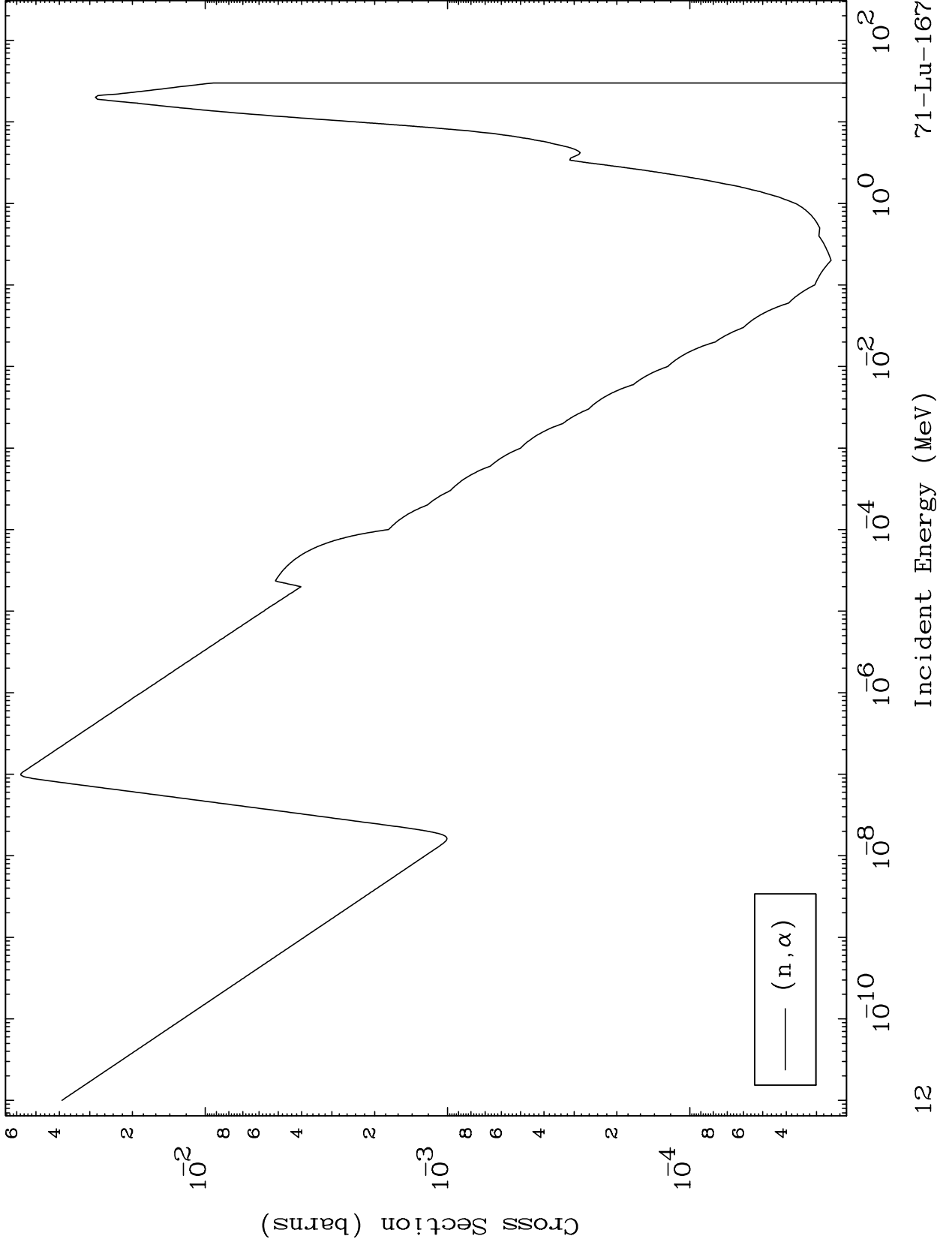
71-Lu-167



MAT 7101

(n,α) Levels
293 Kelvin Cross Sections

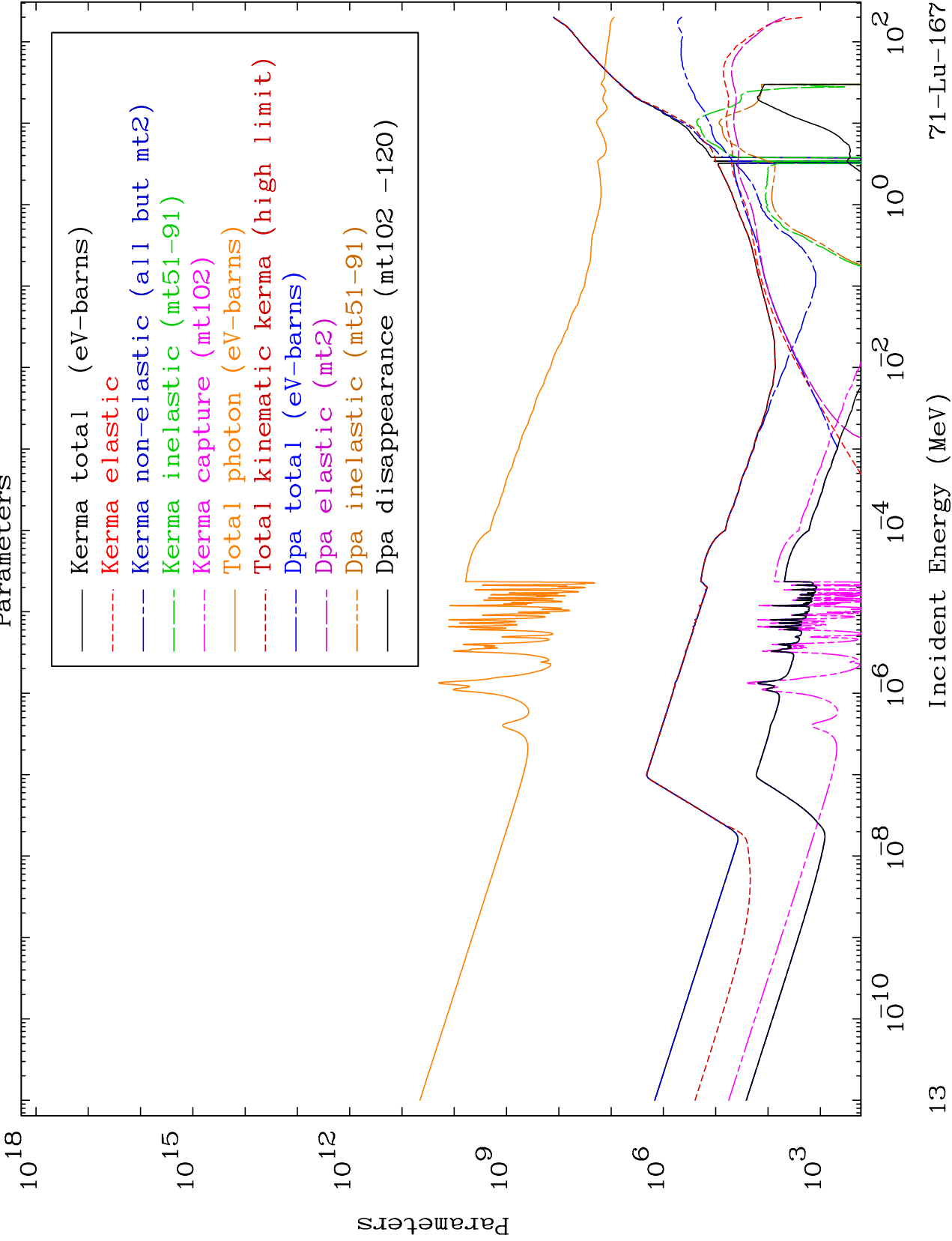
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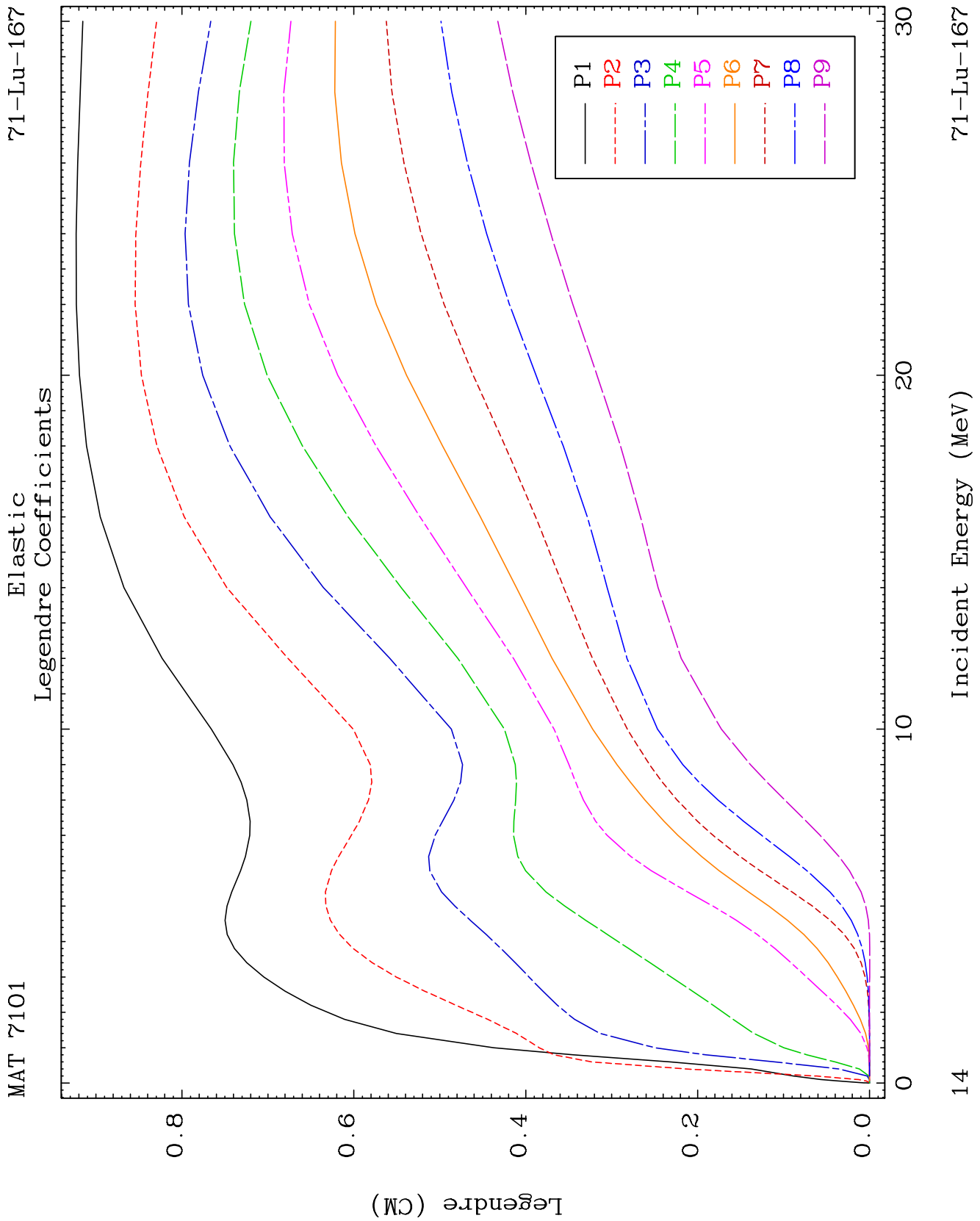


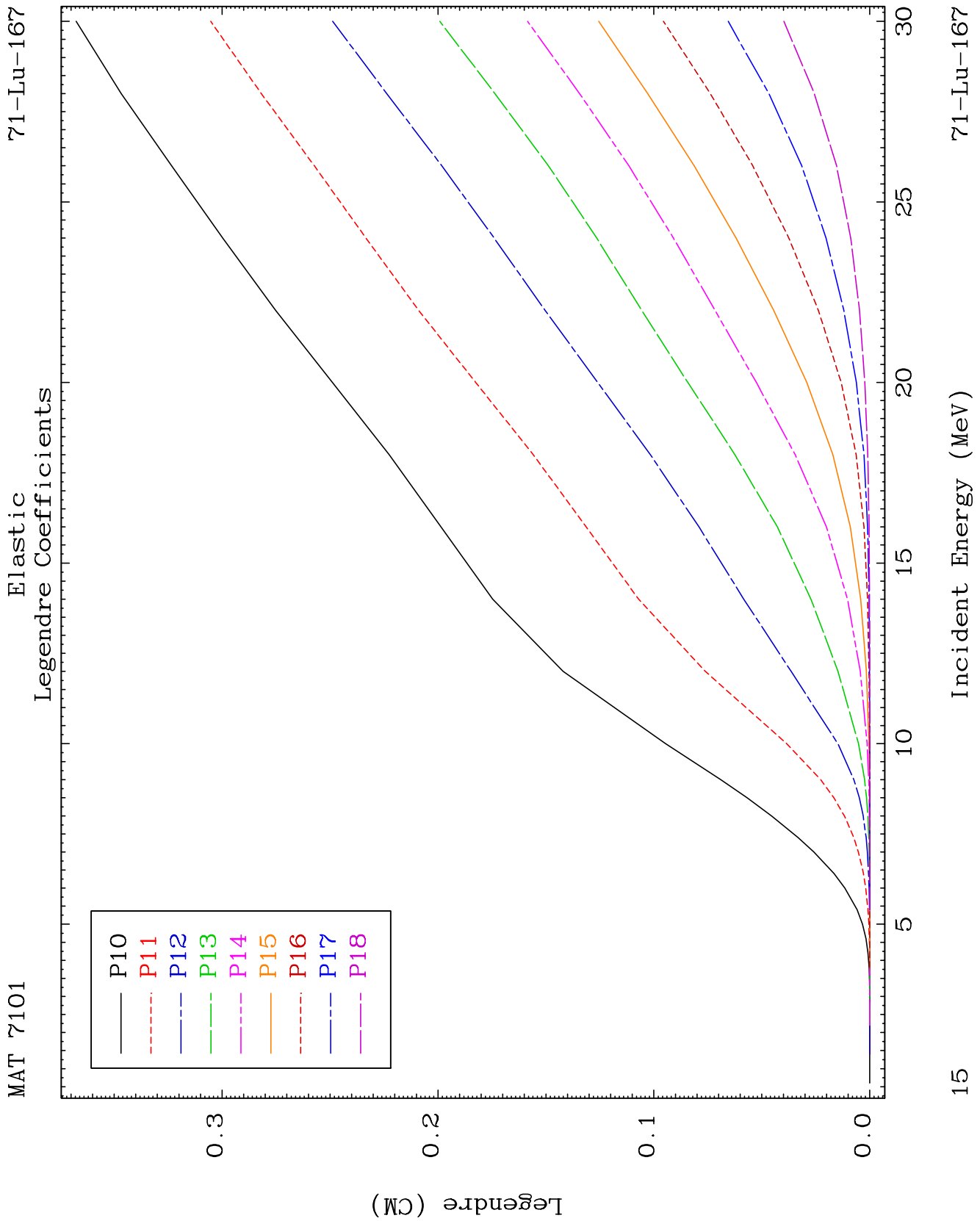
12

Incident Energy (MeV)

71-Lu-167



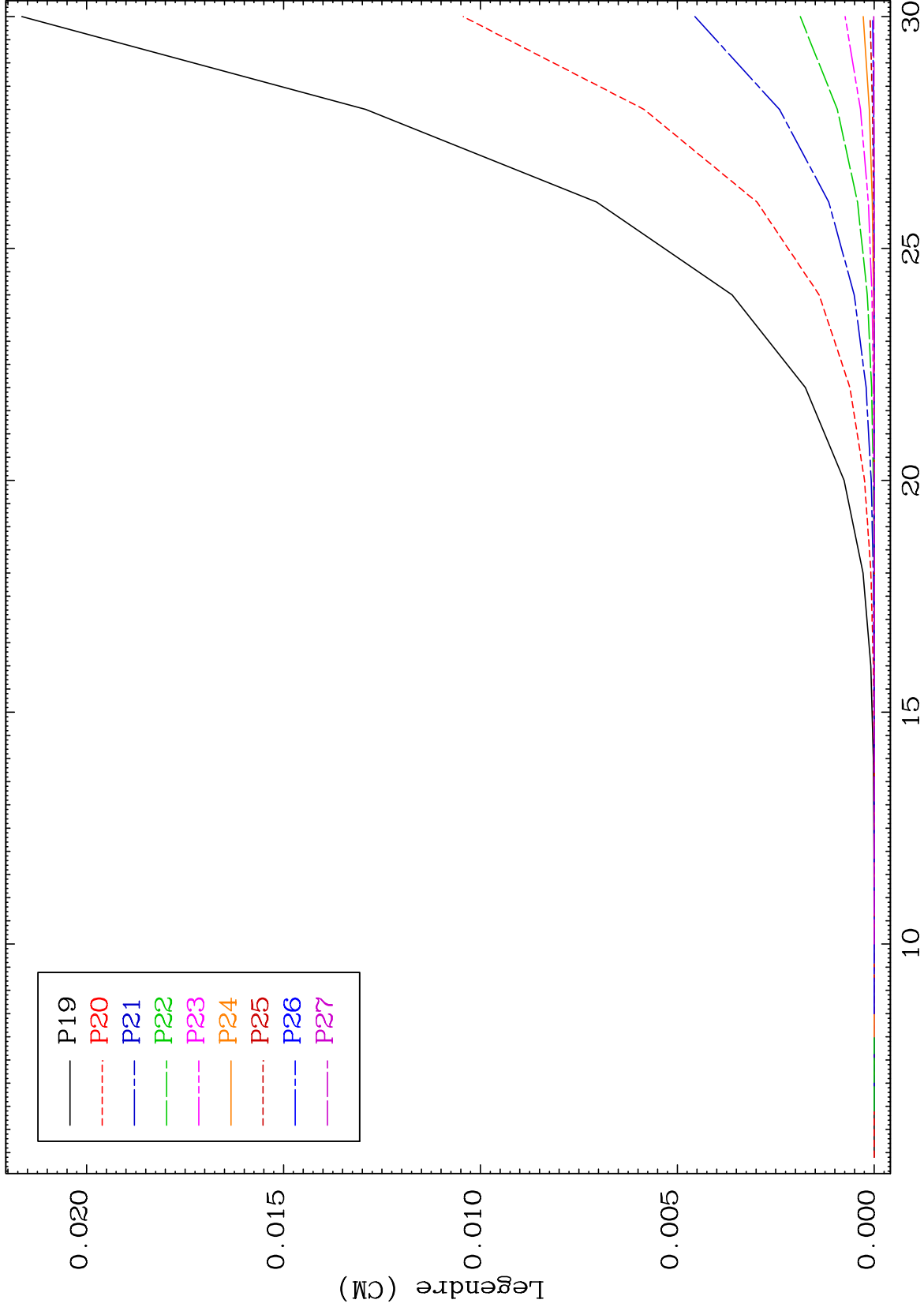




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Elastic Legendre Coefficients

71-Lu-167



16

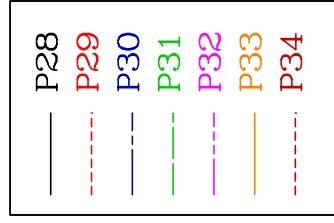
Incident Energy (MeV)

71-Lu-167

MAT 7101

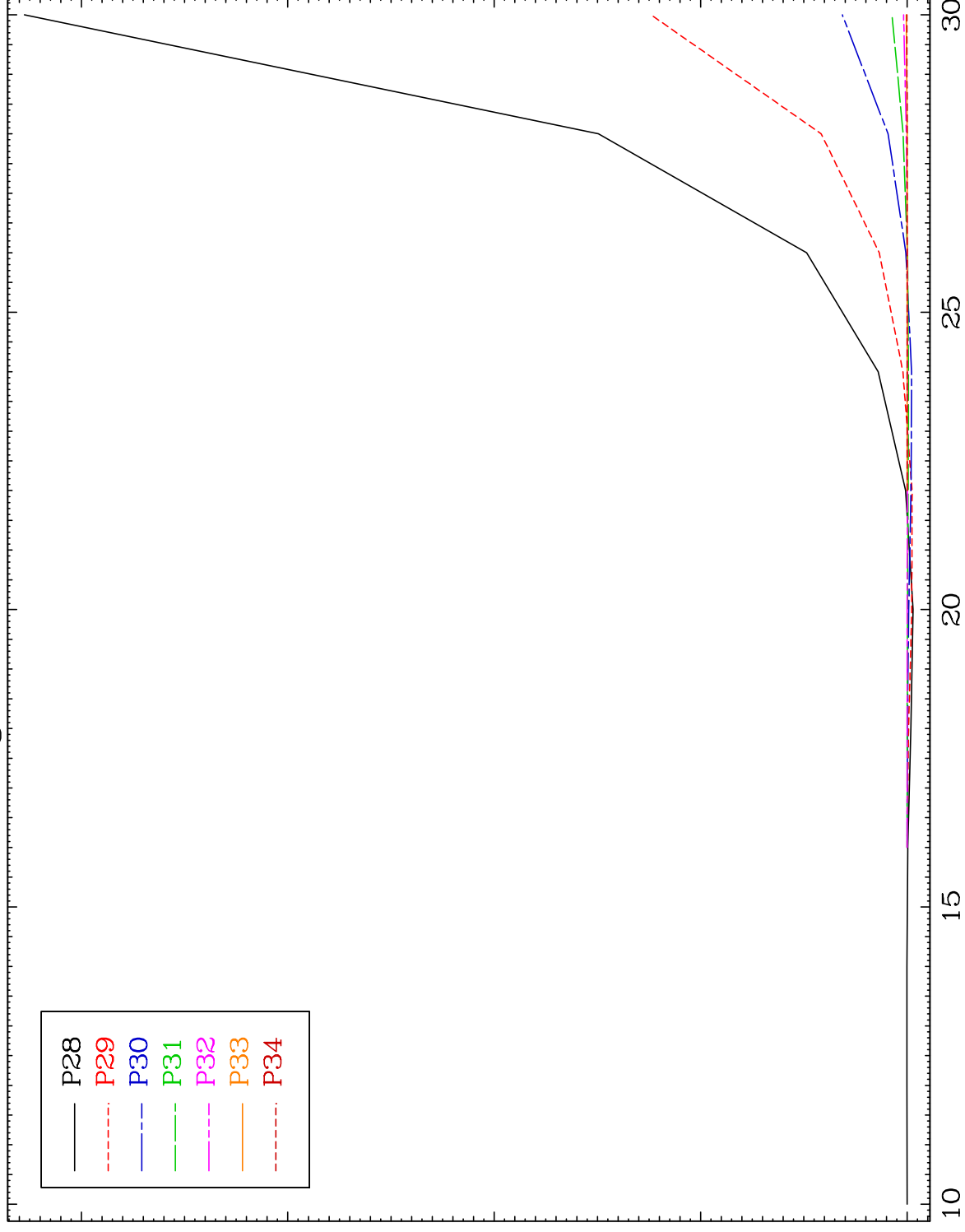
Elastic
Legendre Coefficients

71-Lu-167



$\times 10^{-6}$

Legendre (CM)



10

15

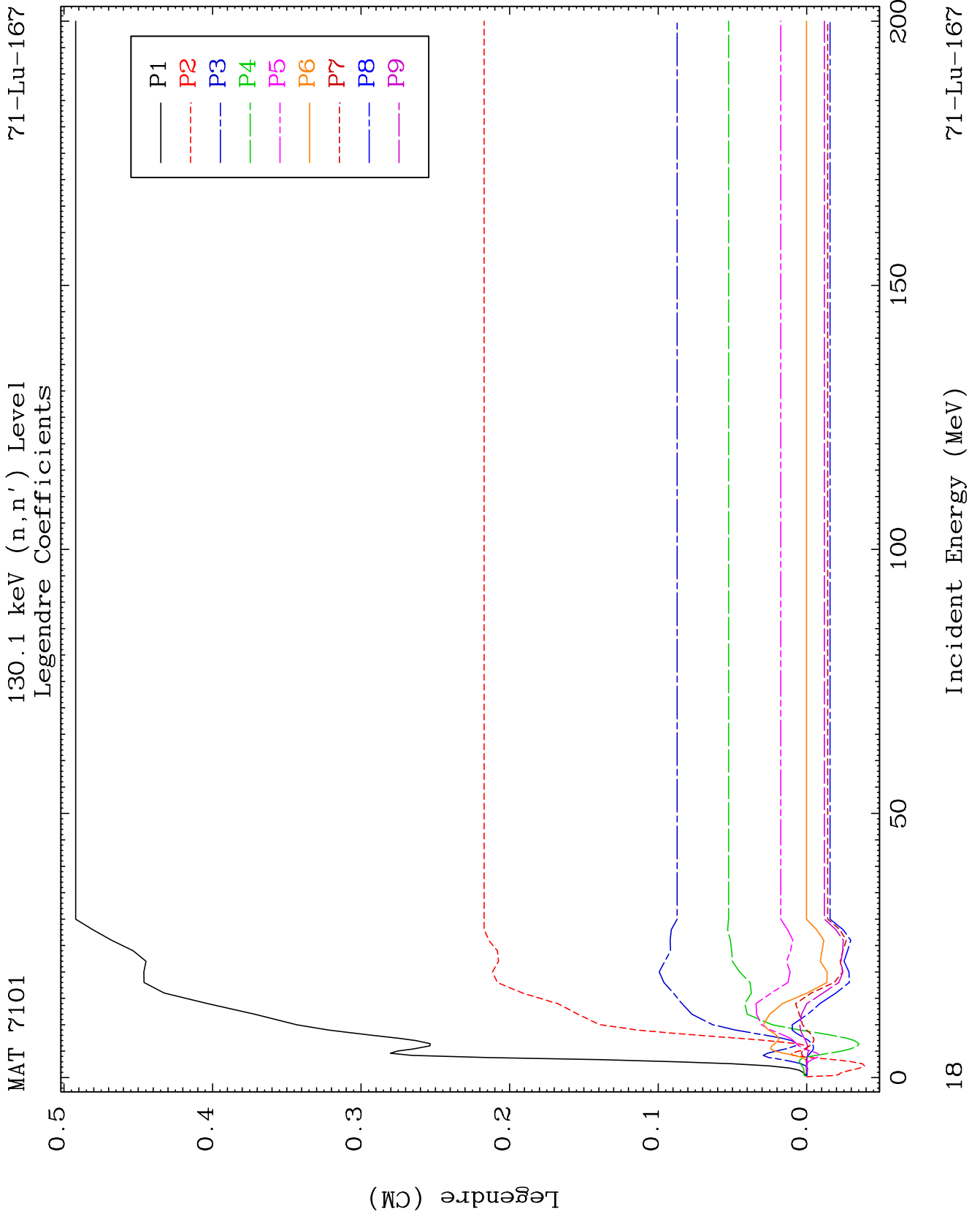
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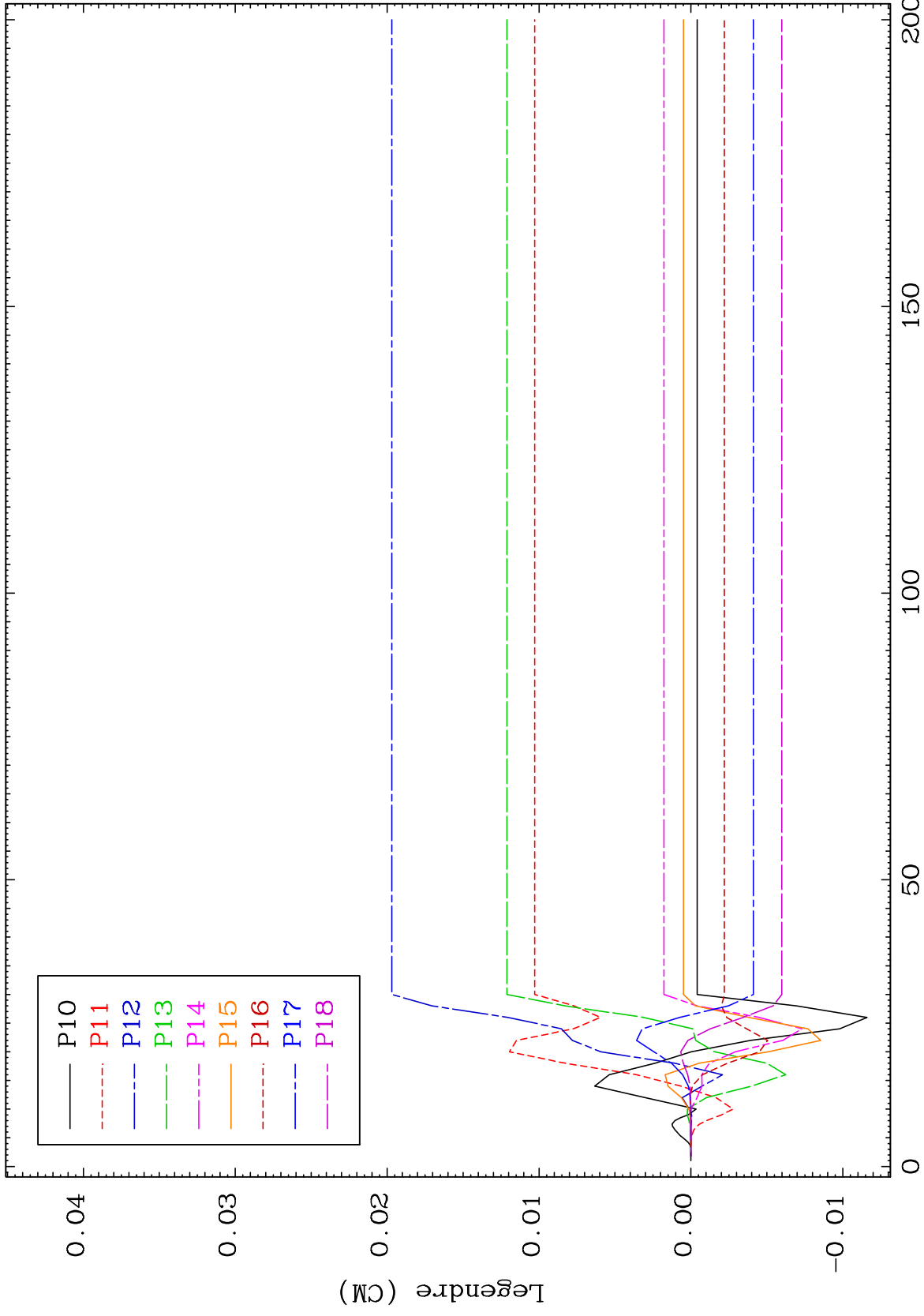
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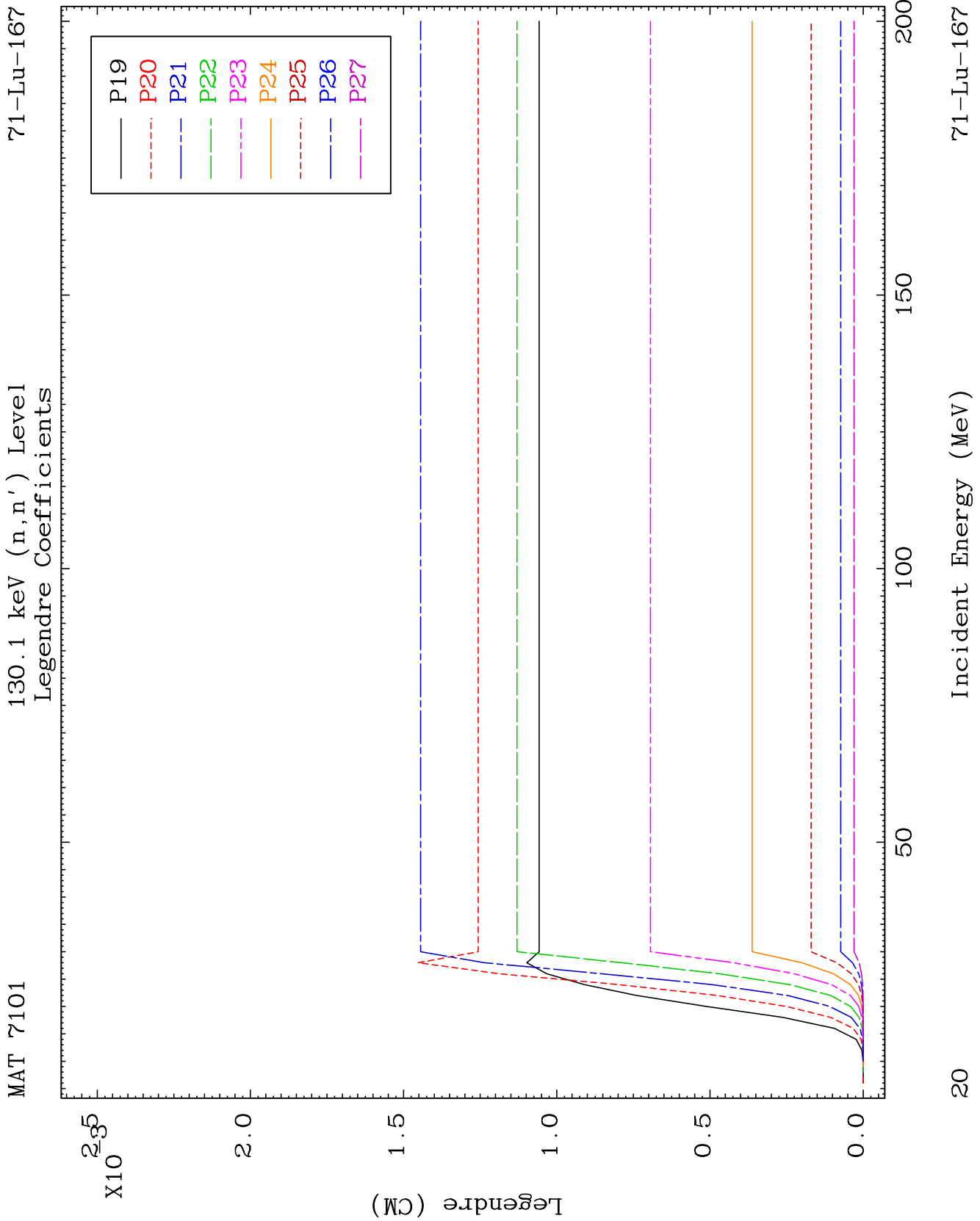
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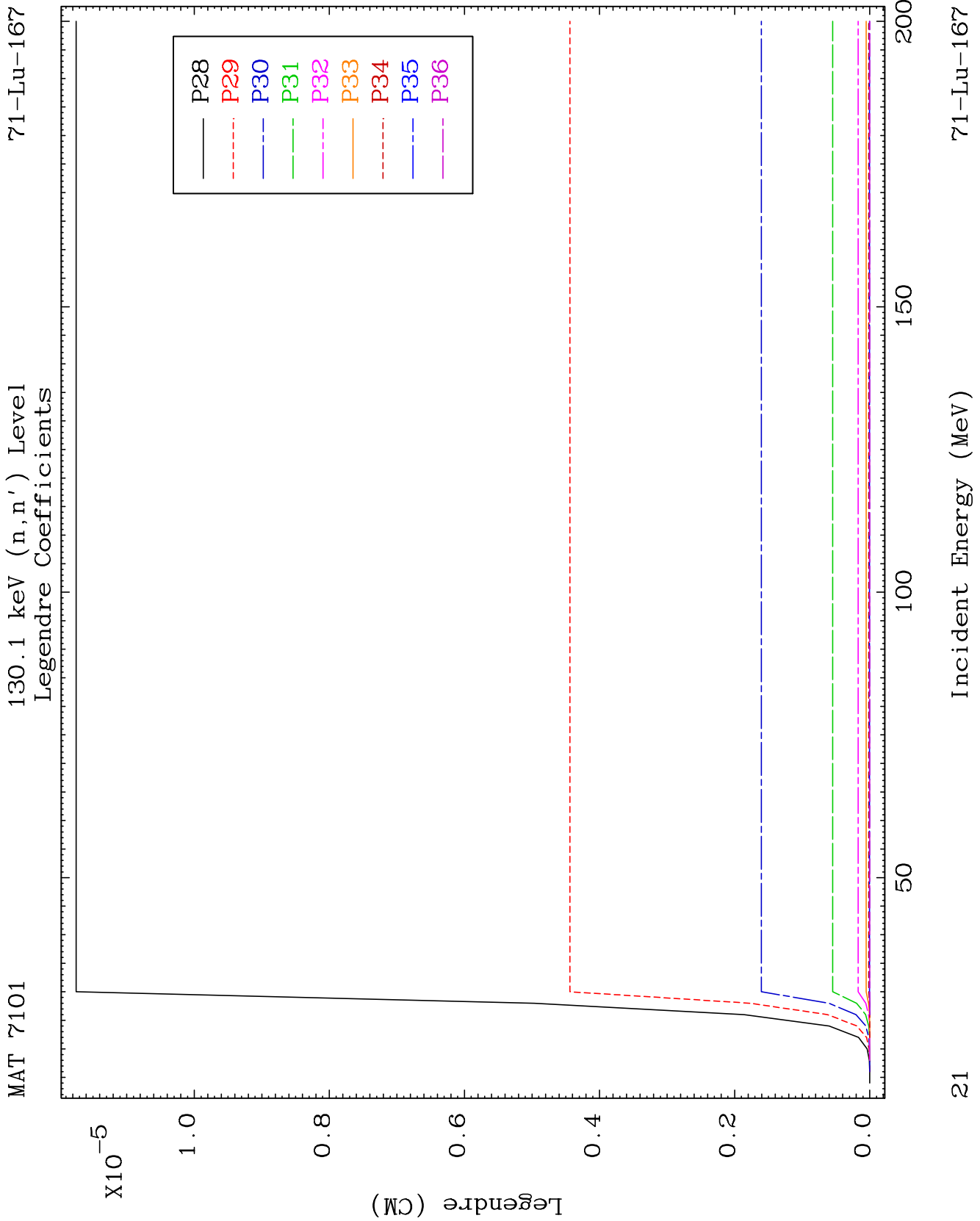
Incident Energy (MeV)

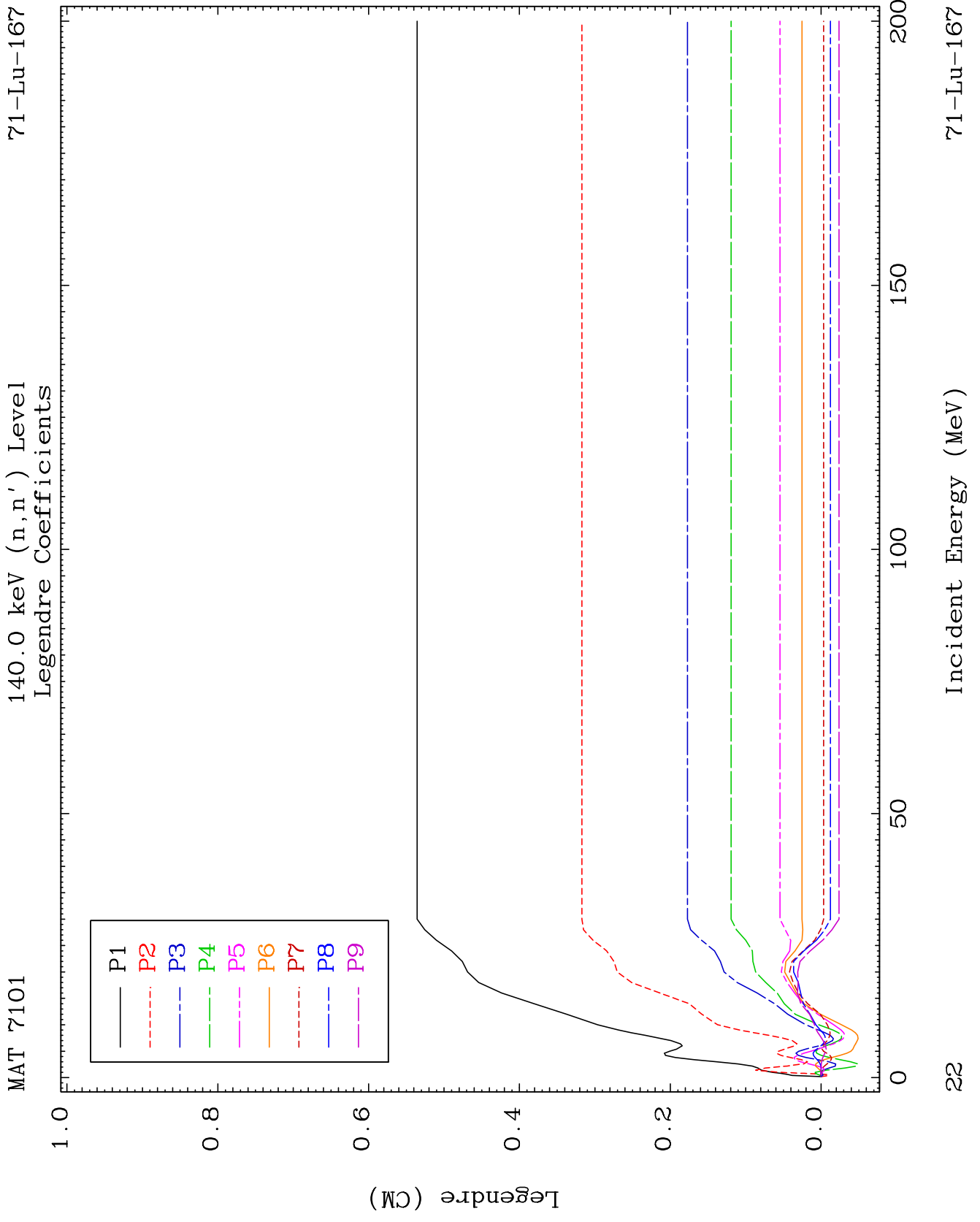
71-Lu-167

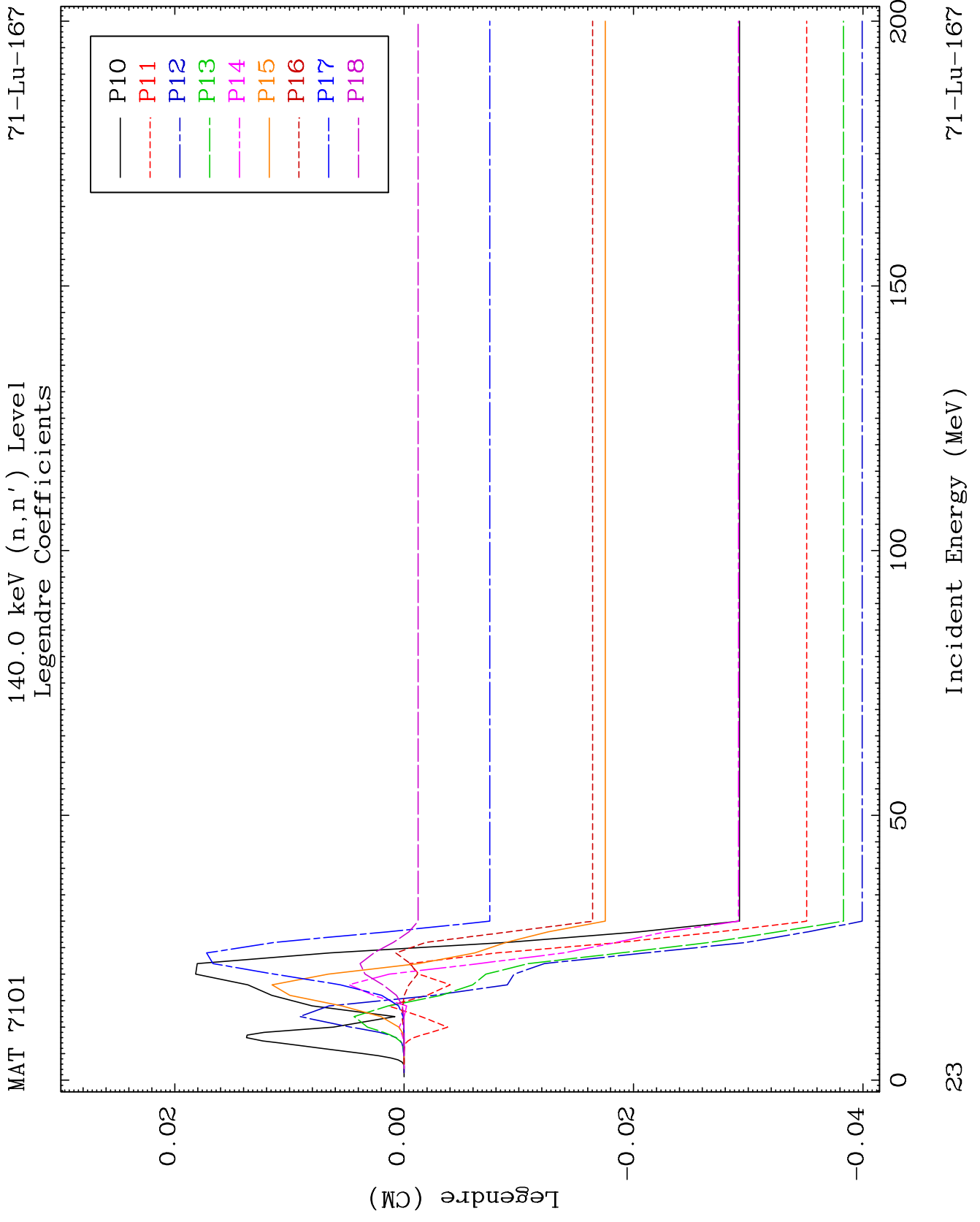








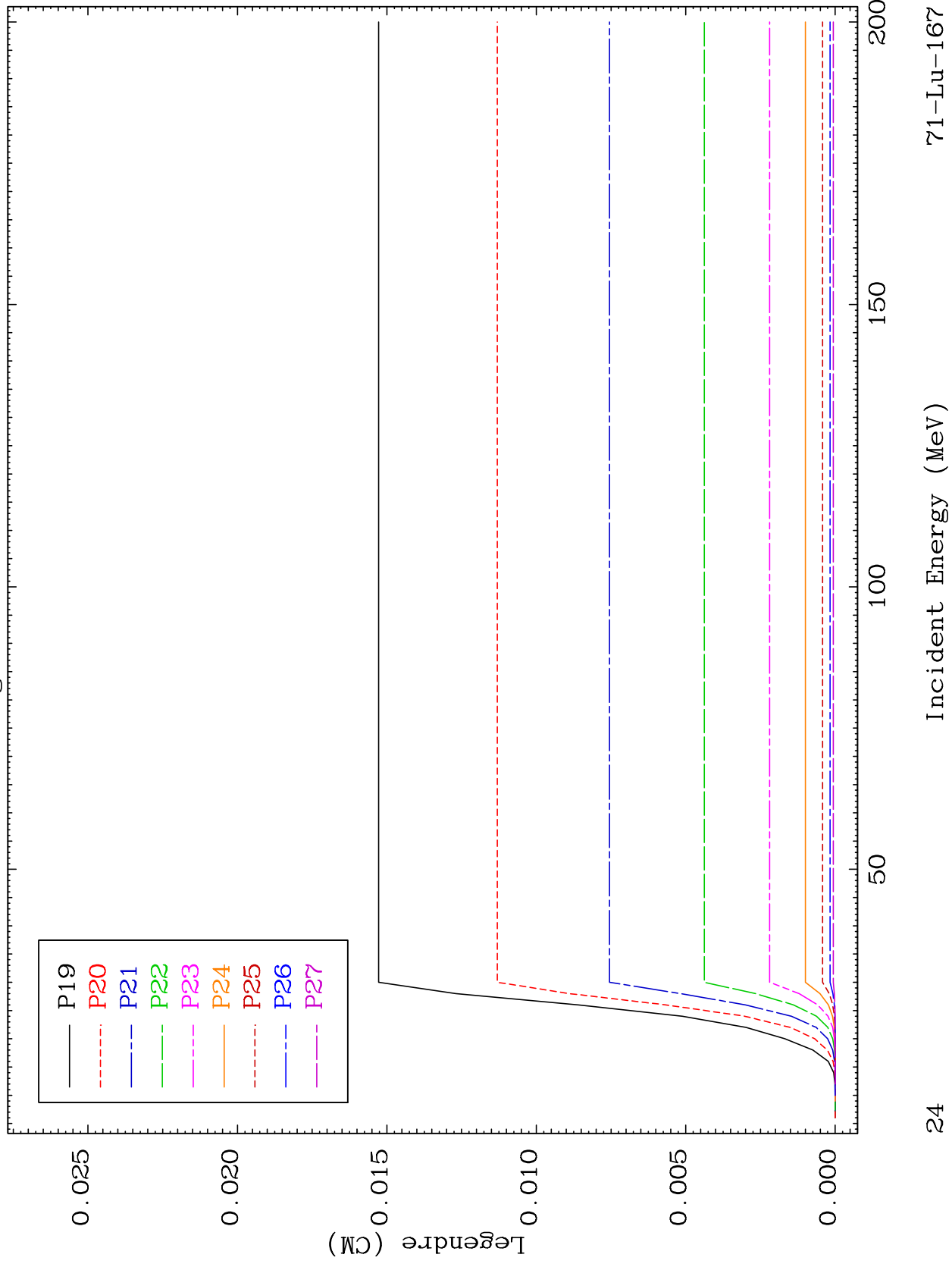




MAT 7101

140.0 keV (n, n') Level
Legendre Coefficients

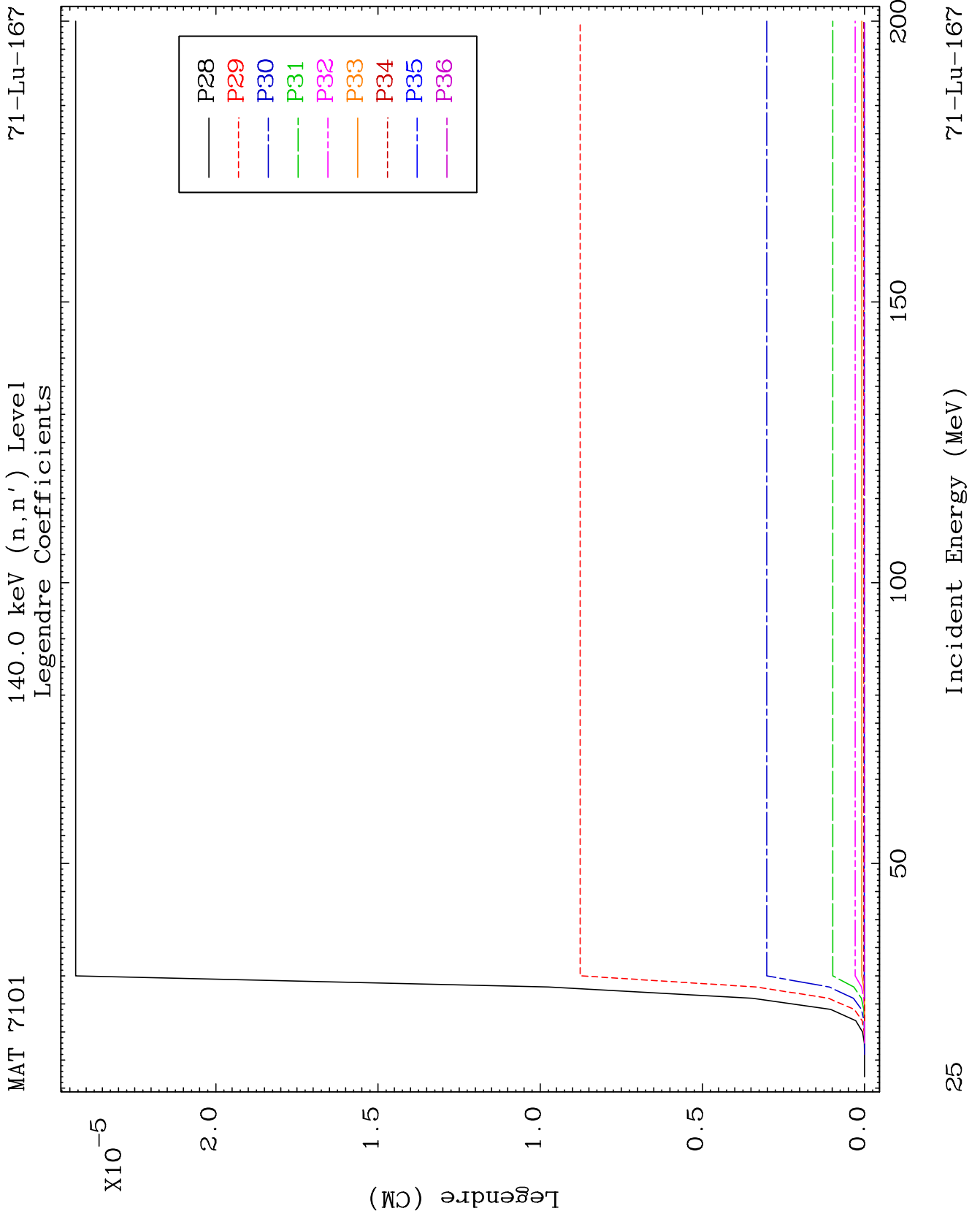
71-Lu-167

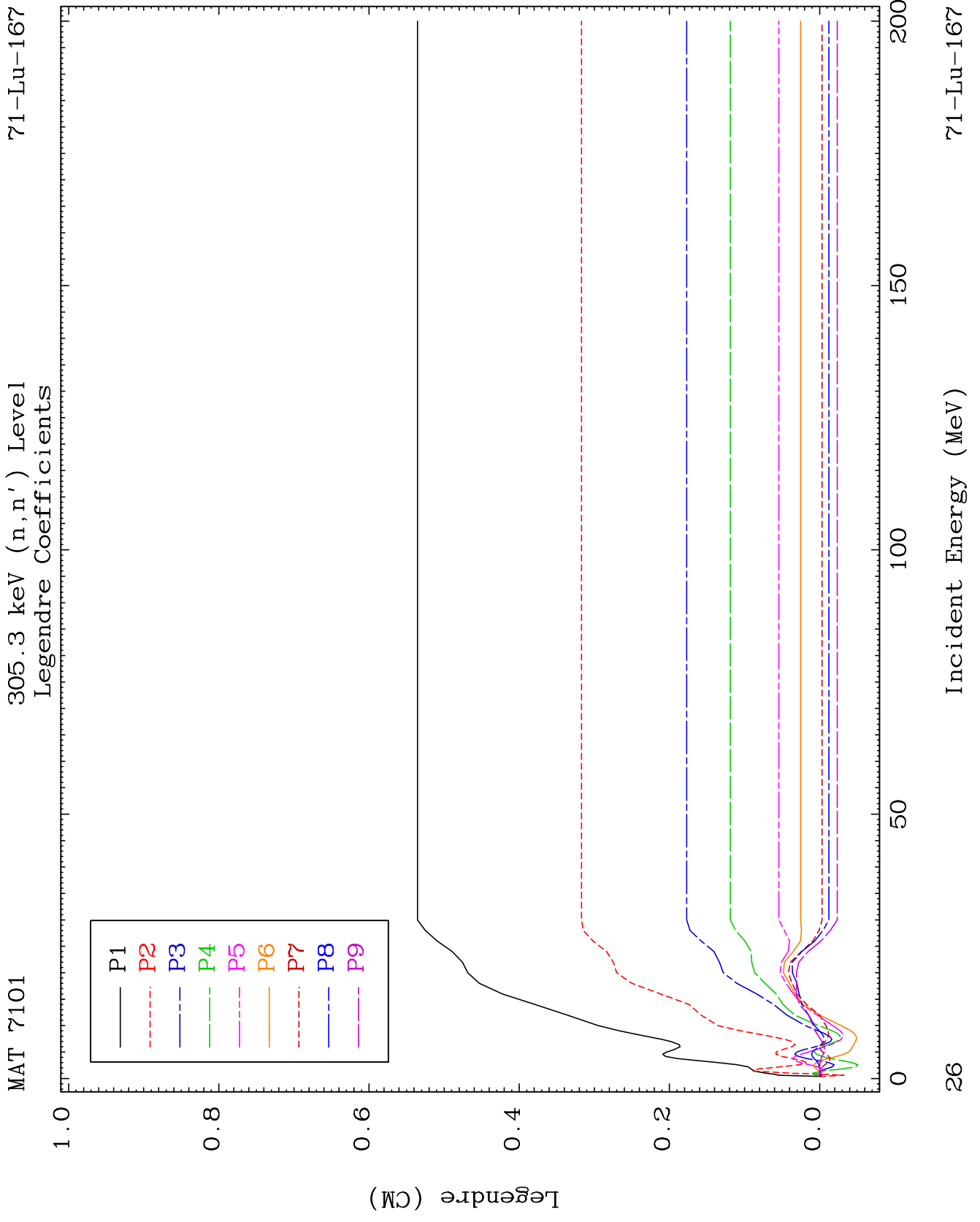


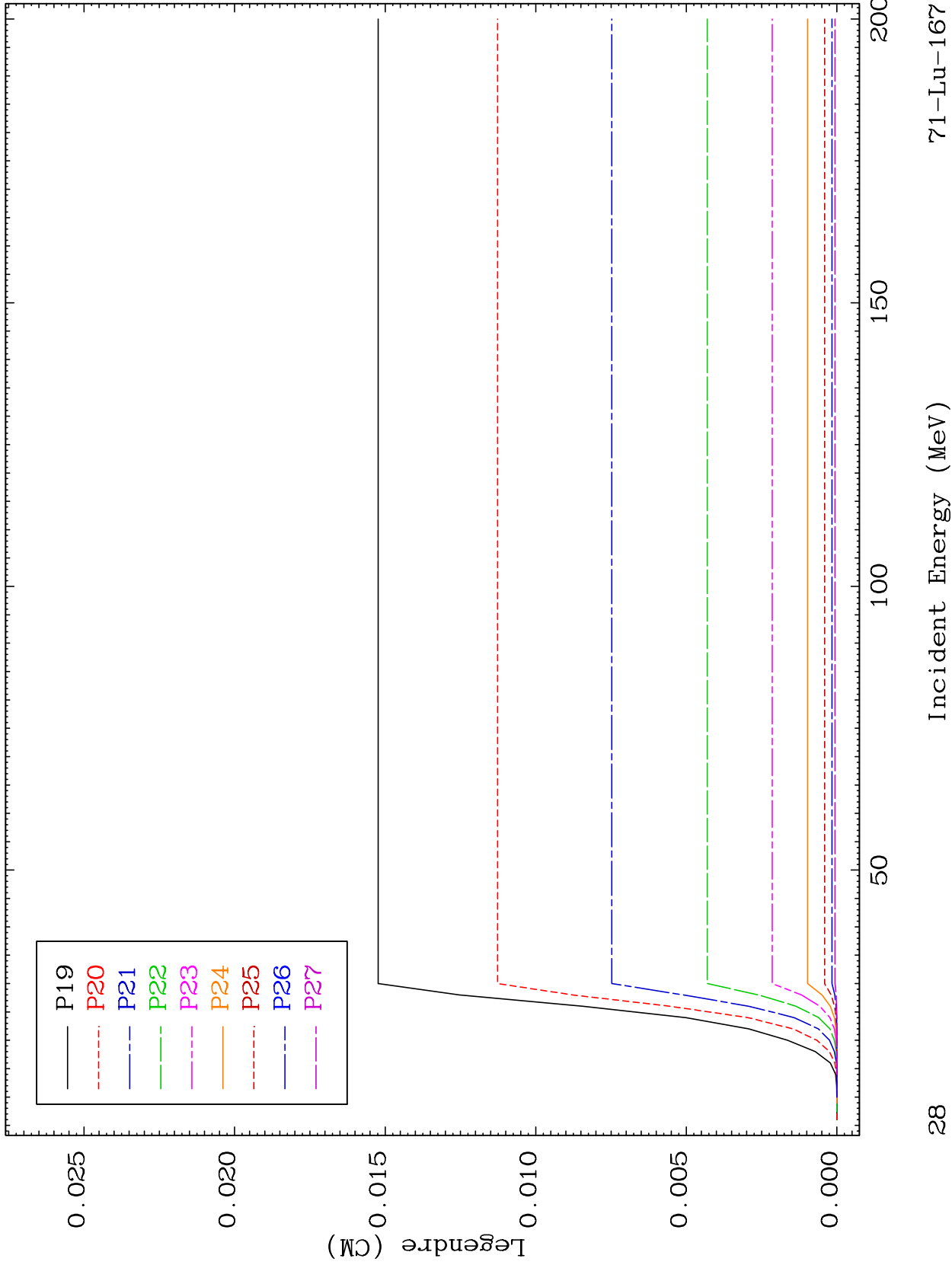
24

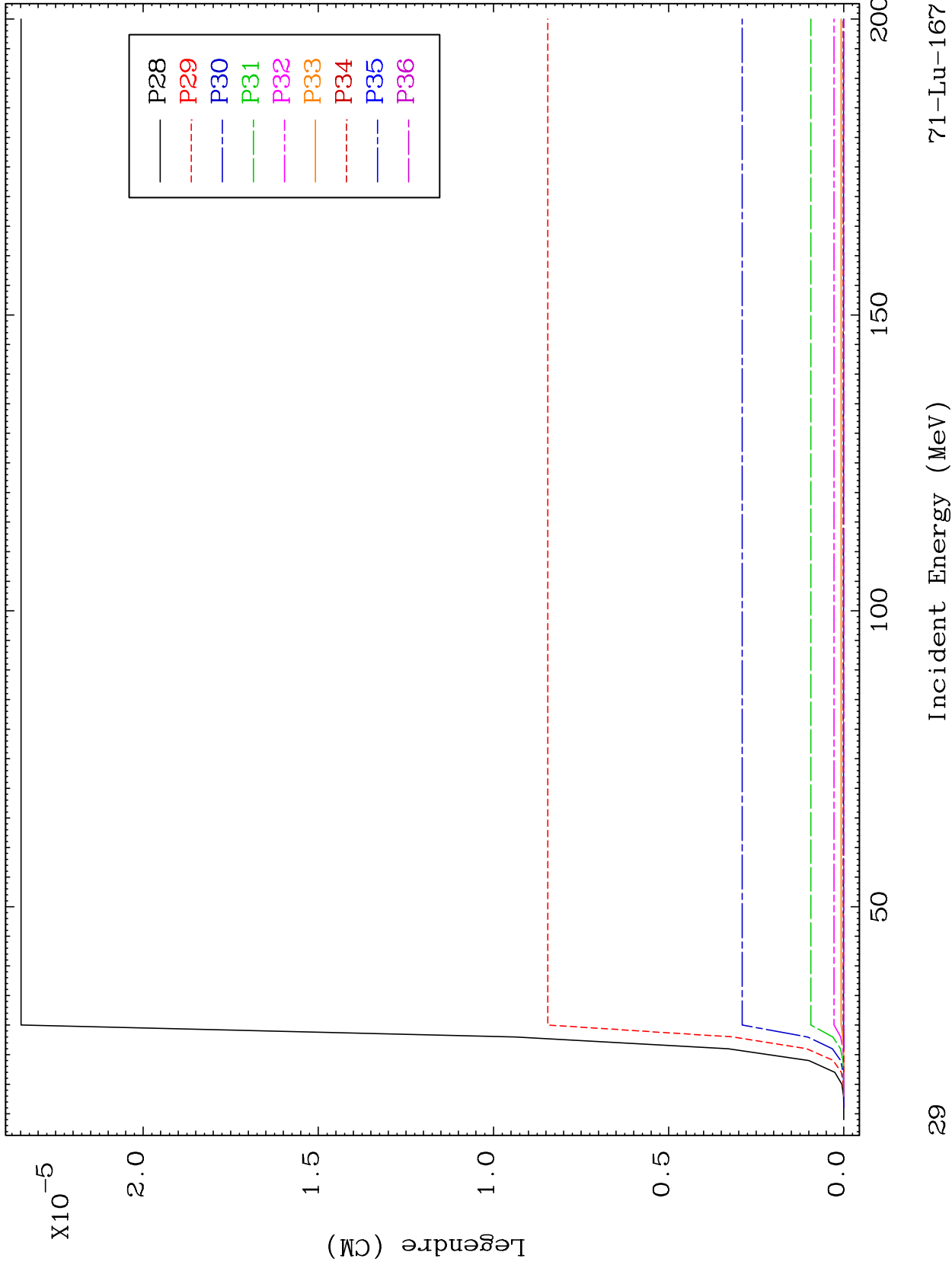
Incident Energy (MeV)

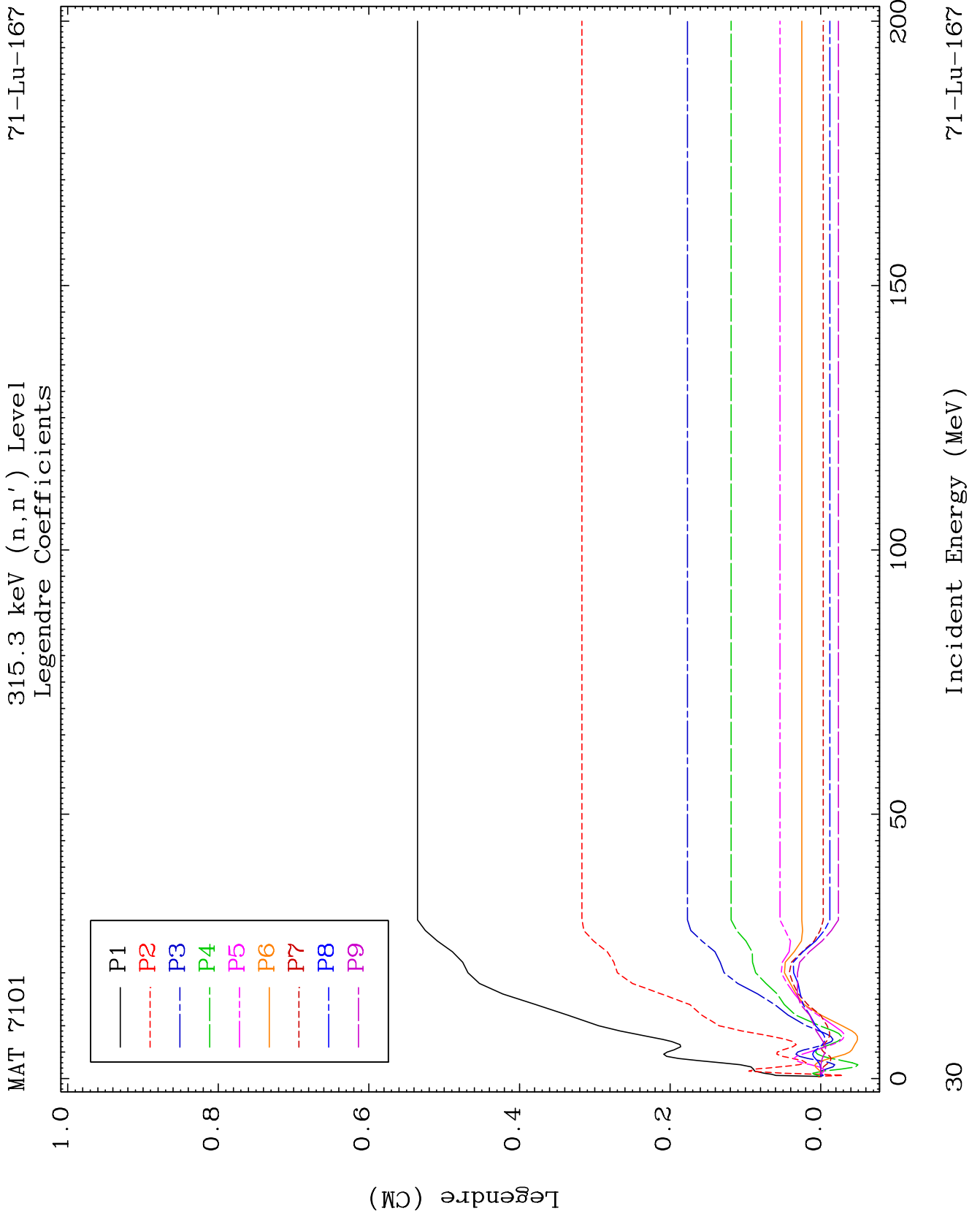
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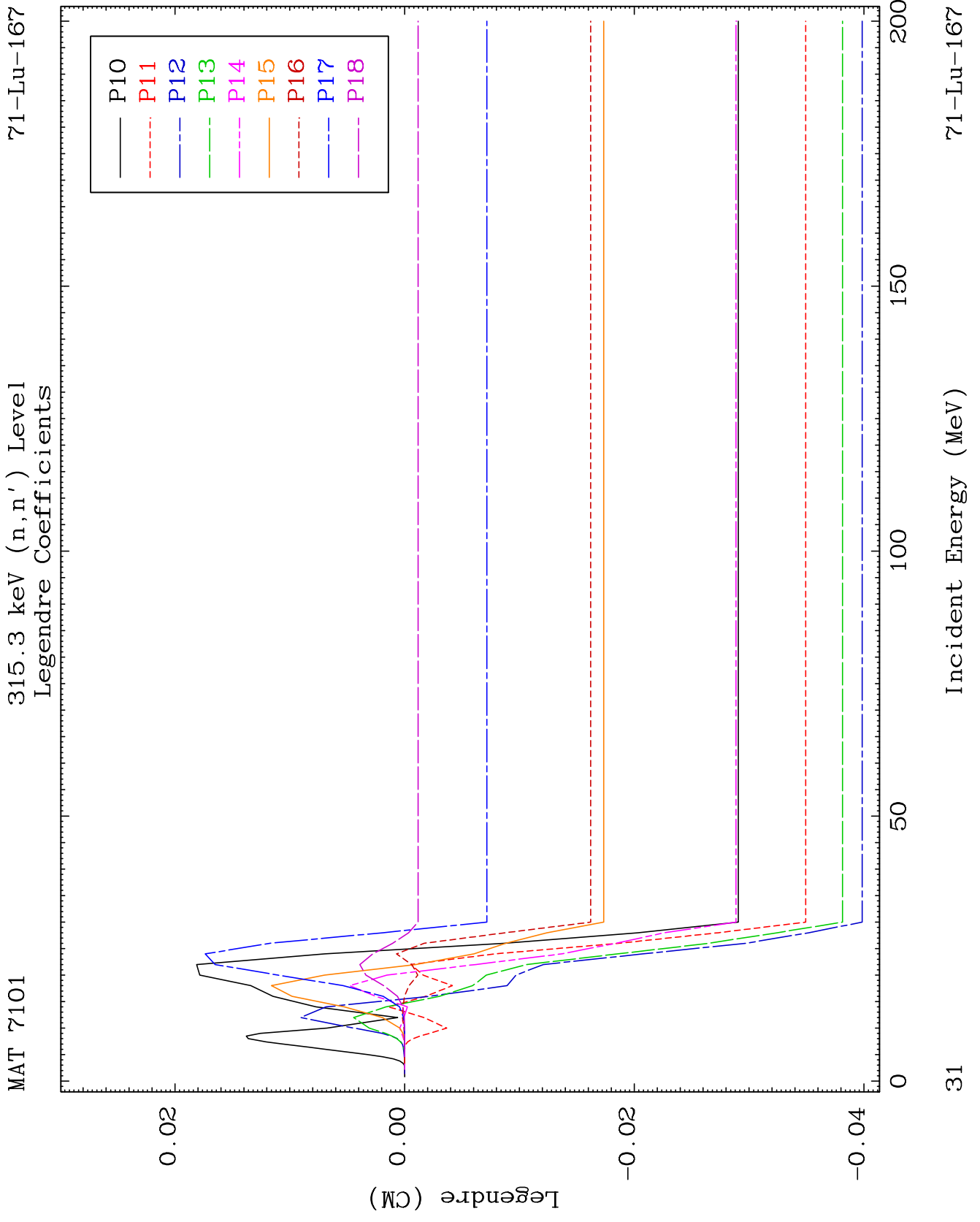


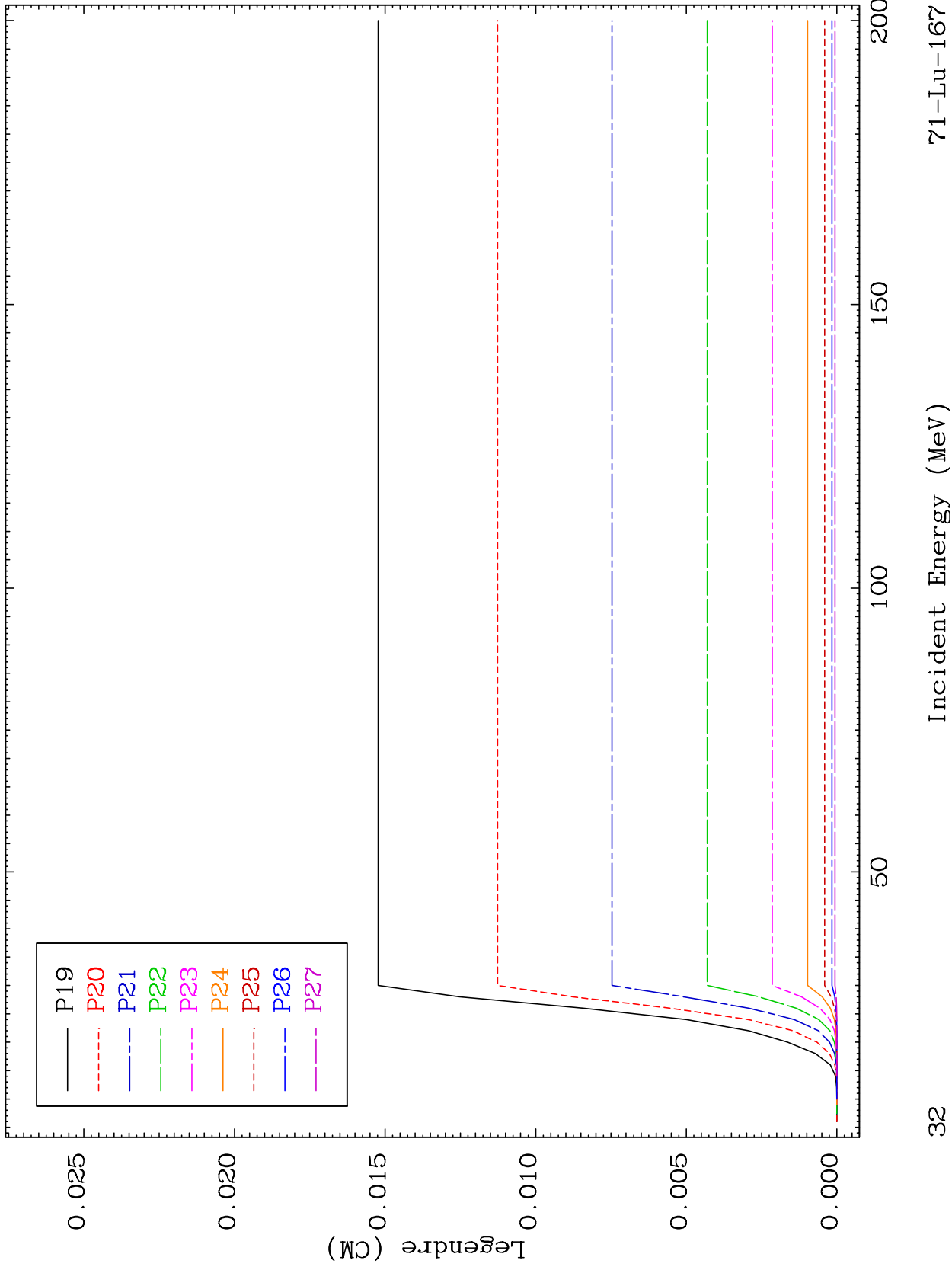


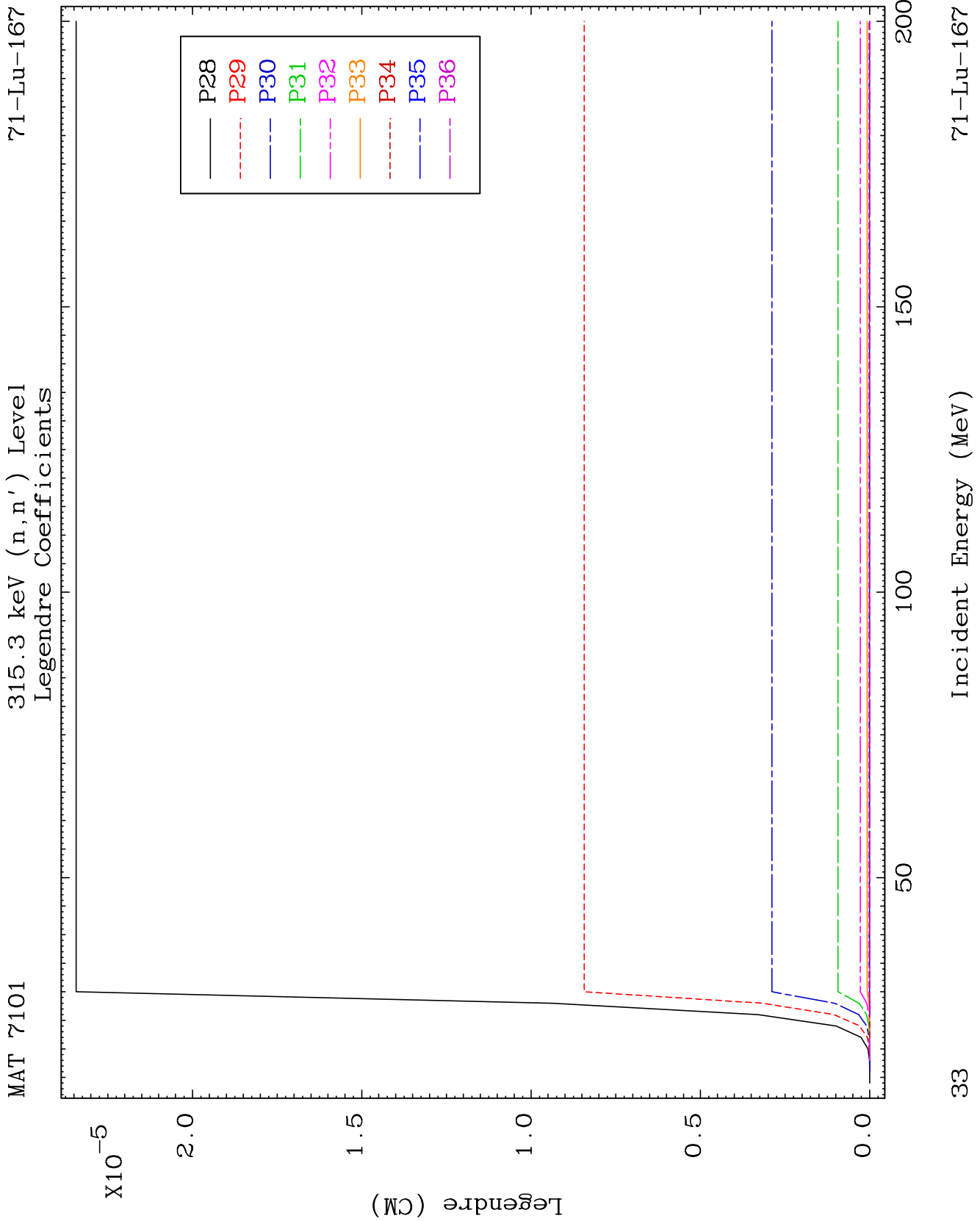








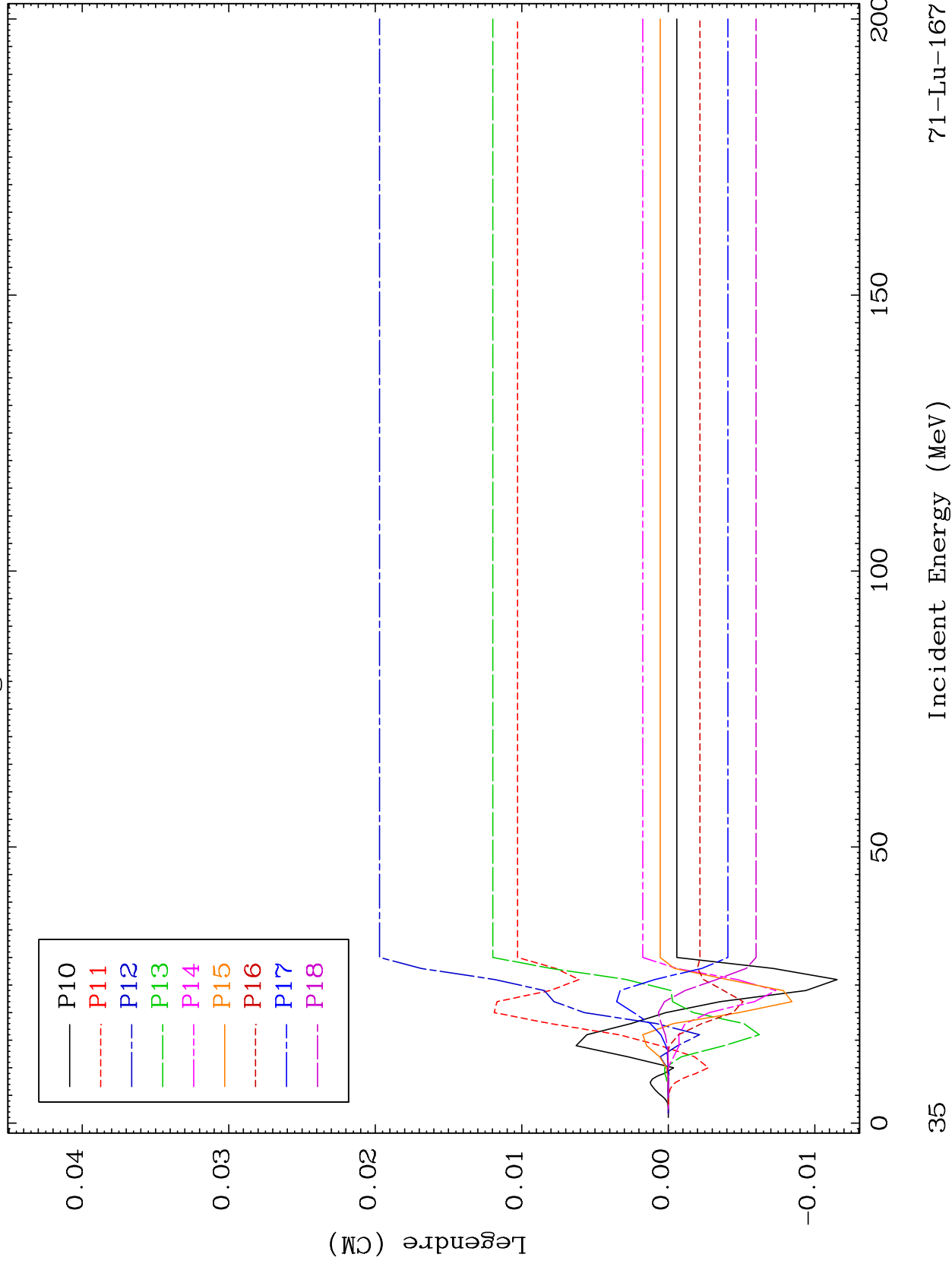




MAT 7101

331.8 keV (n,n') Level
Legendre Coefficients

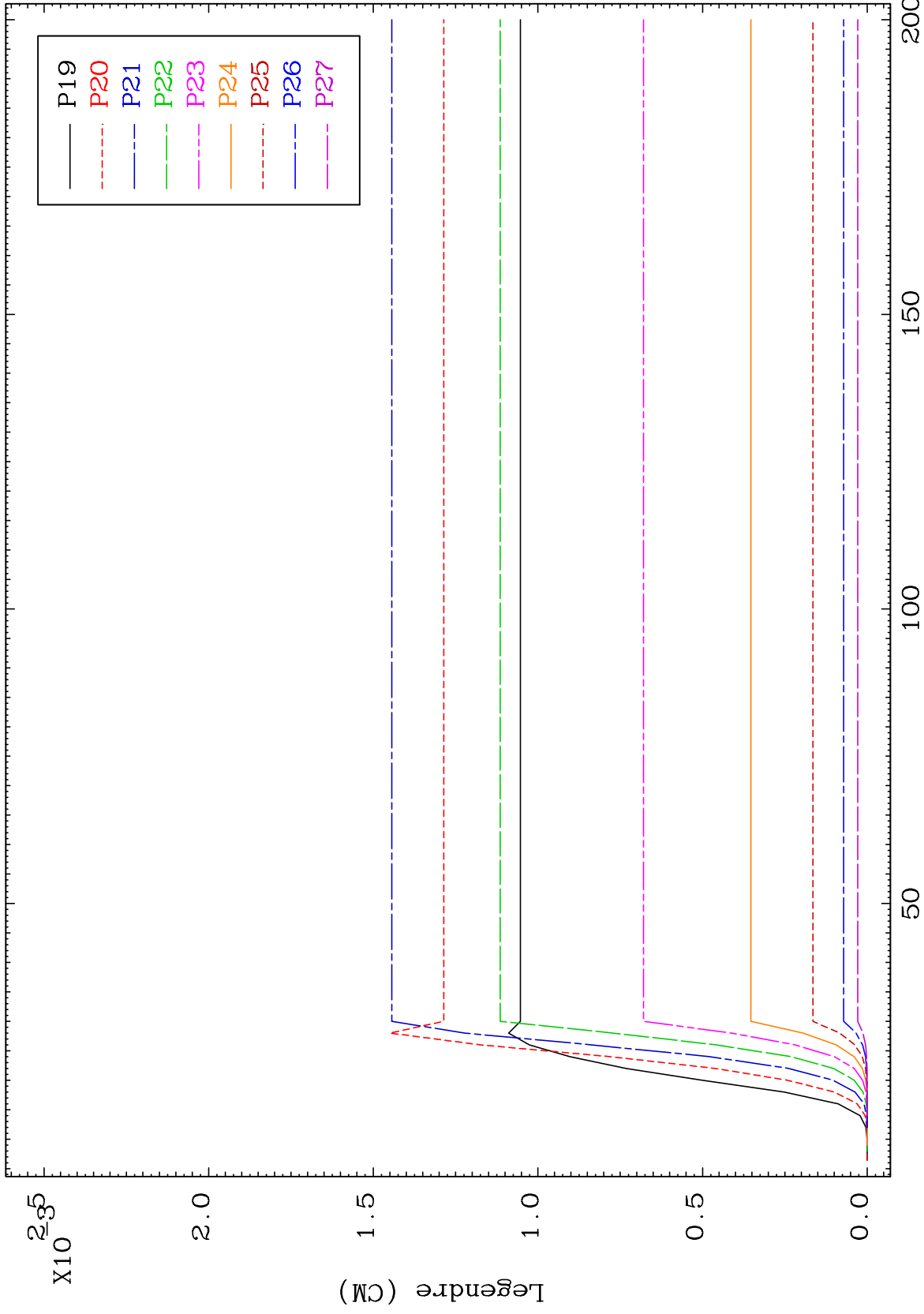
71-Lu-167

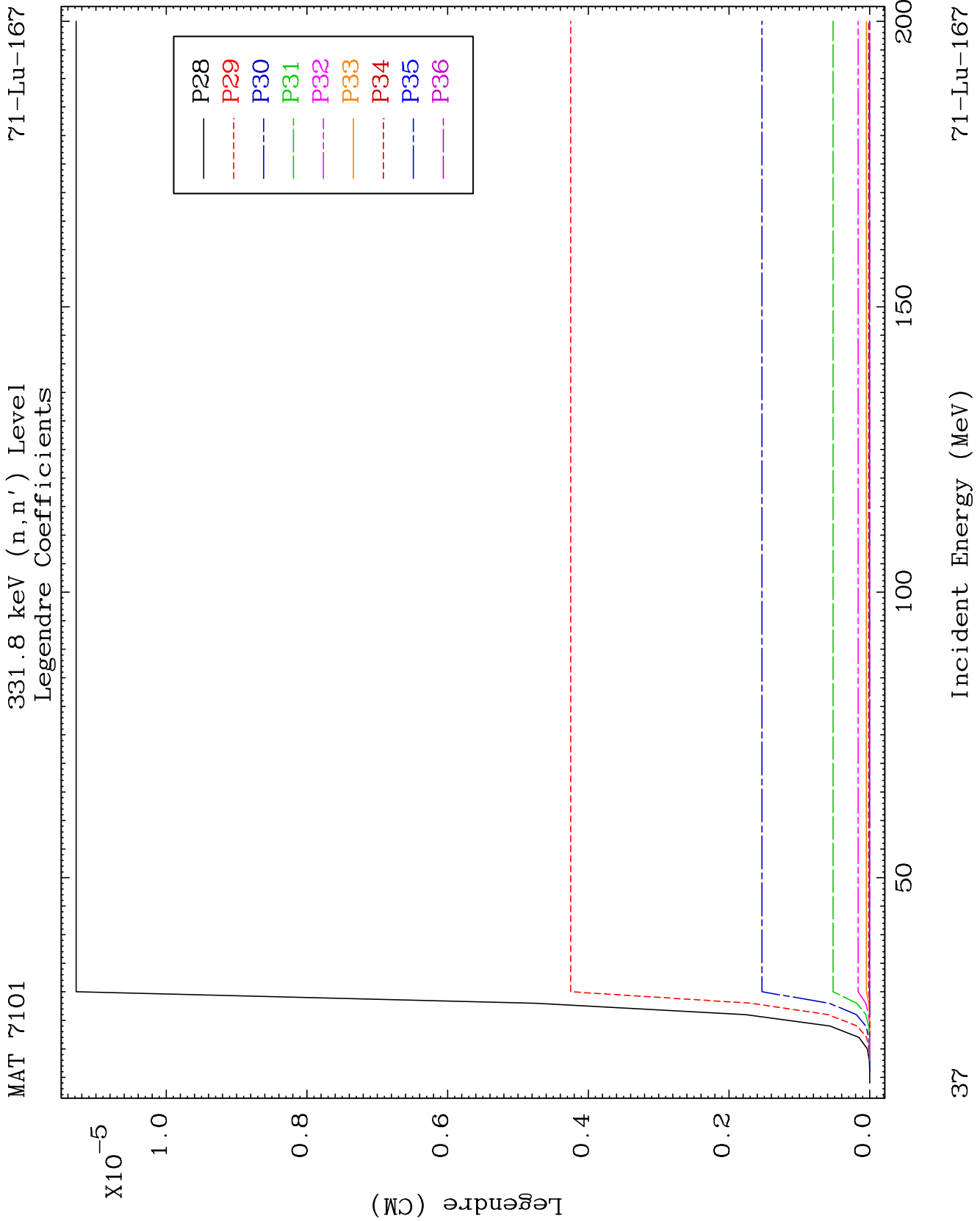


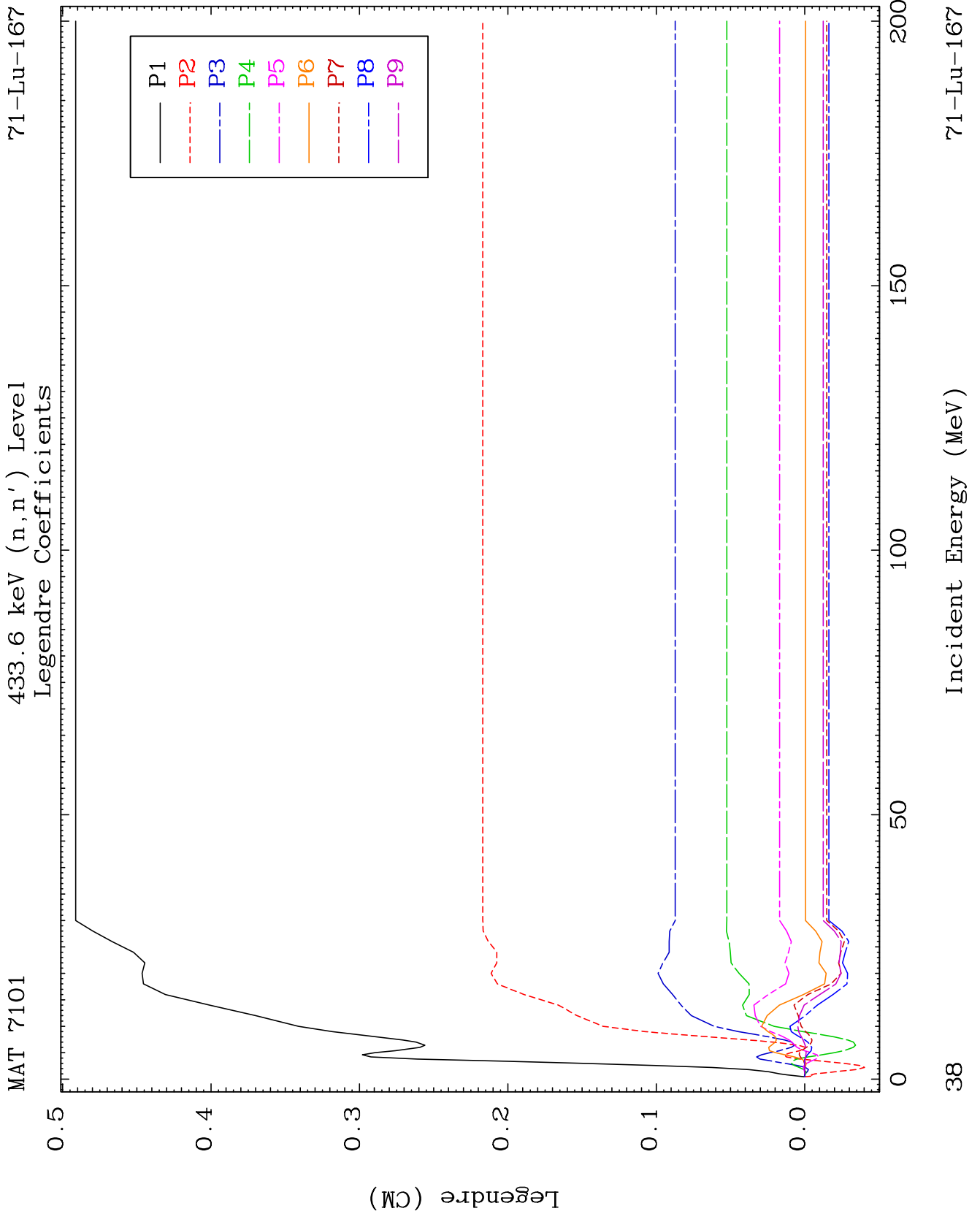
71-Lu-167

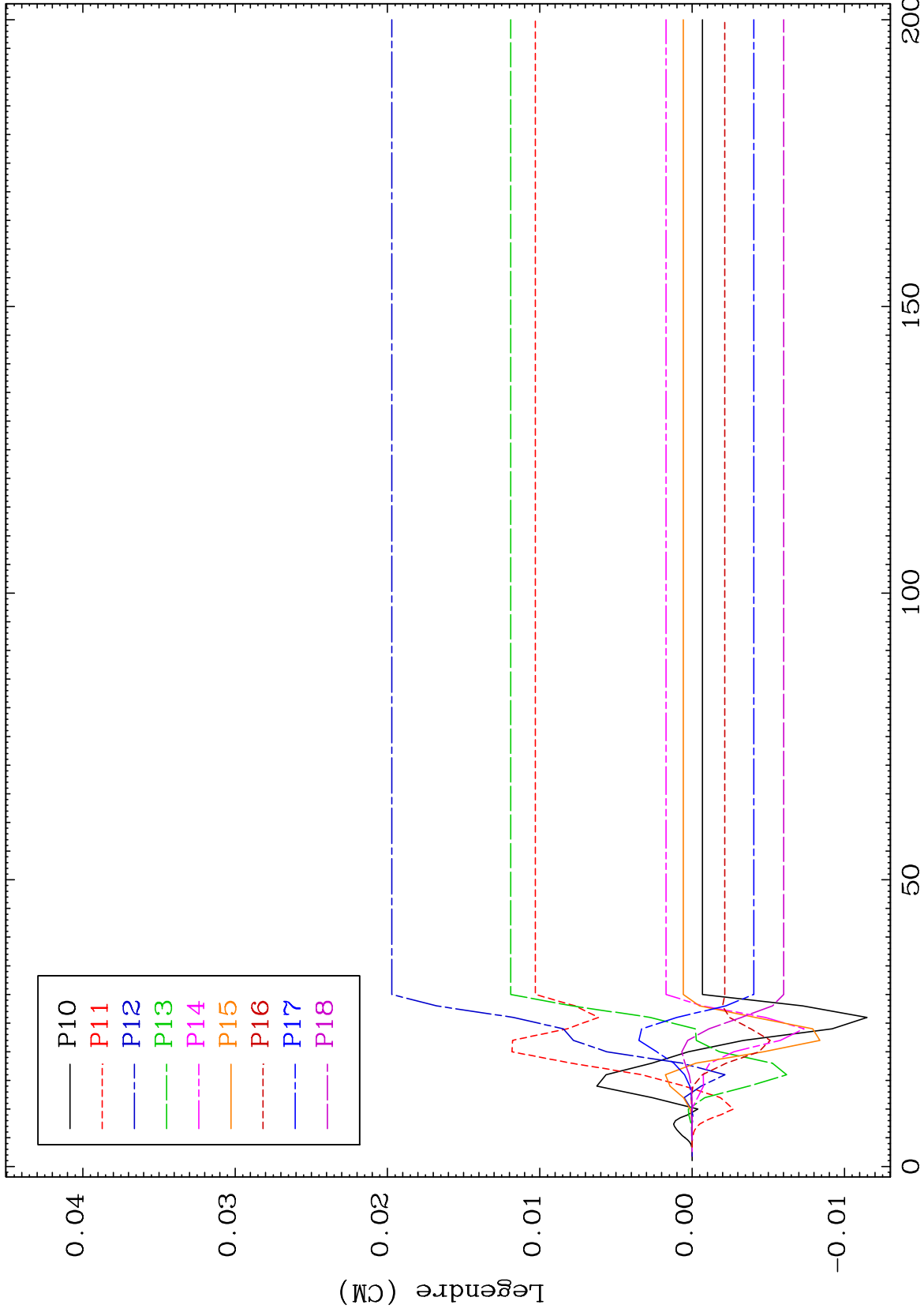
Incident Energy (MeV)

35





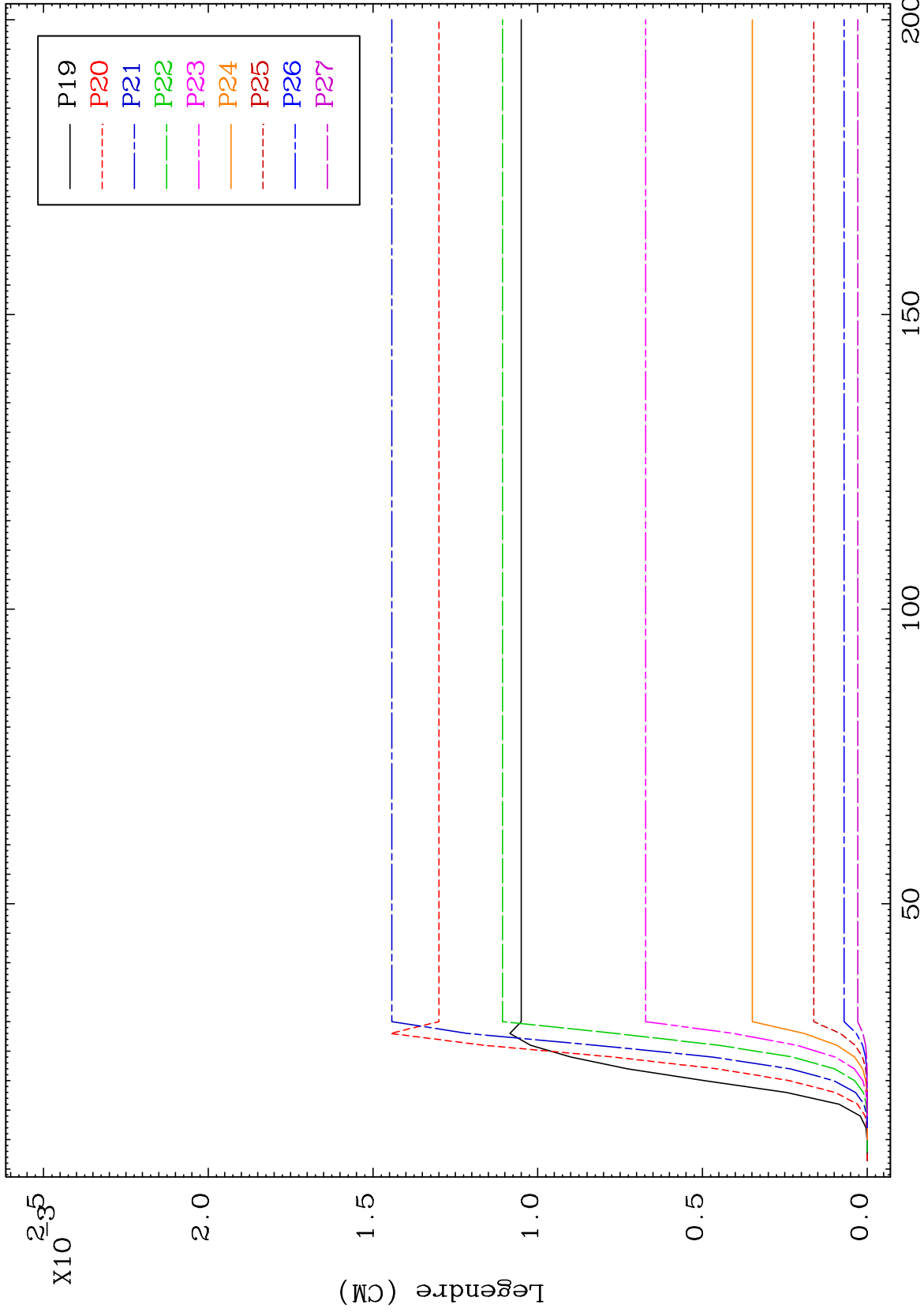




MAT 7101

433.6 keV (n,n') Level
Legendre Coefficients

71-Lu-167



40

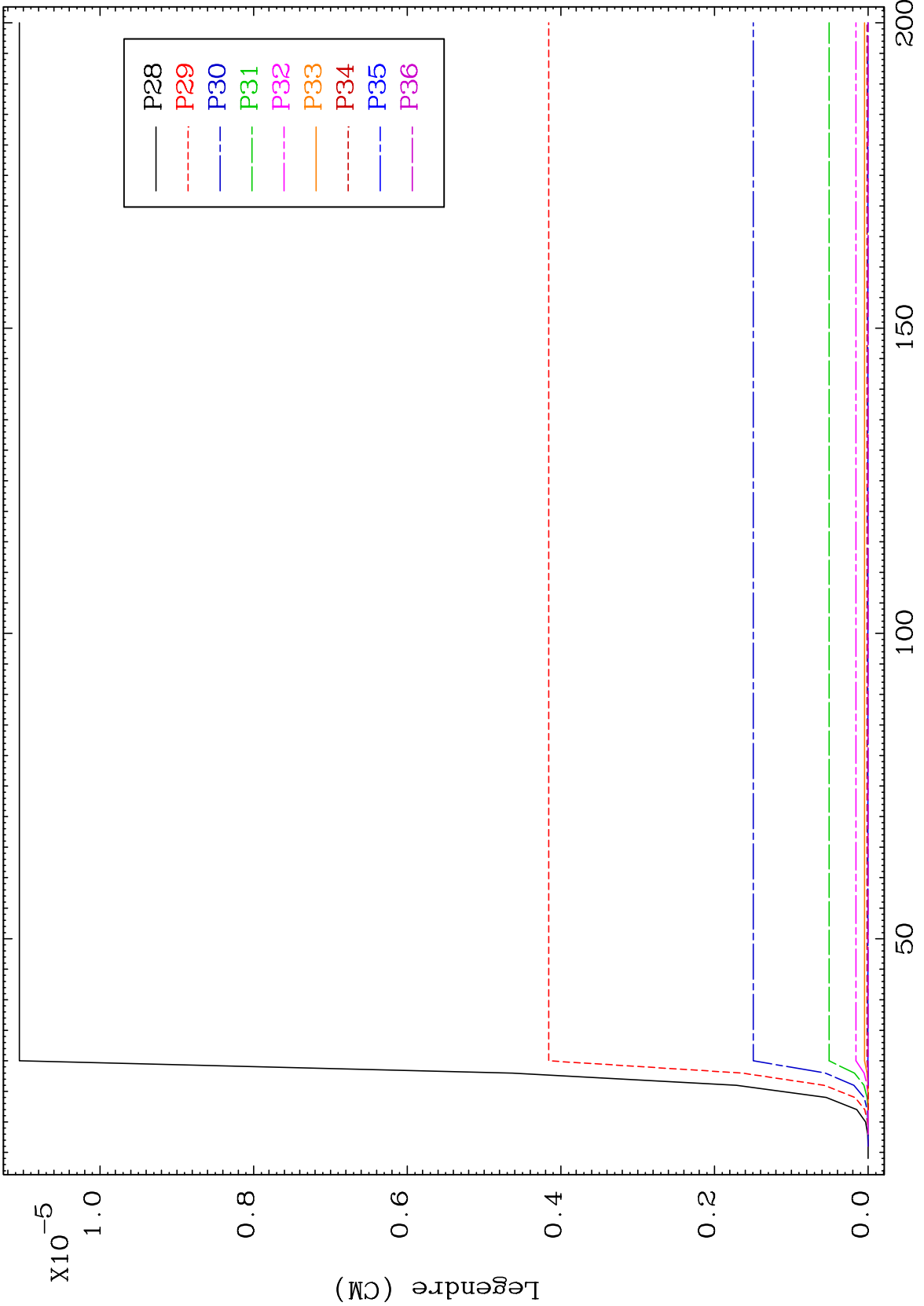
Incident Energy (MeV)

71-Lu-167

MAT 7101

433.6 keV (n,n') Level
Legendre Coefficients

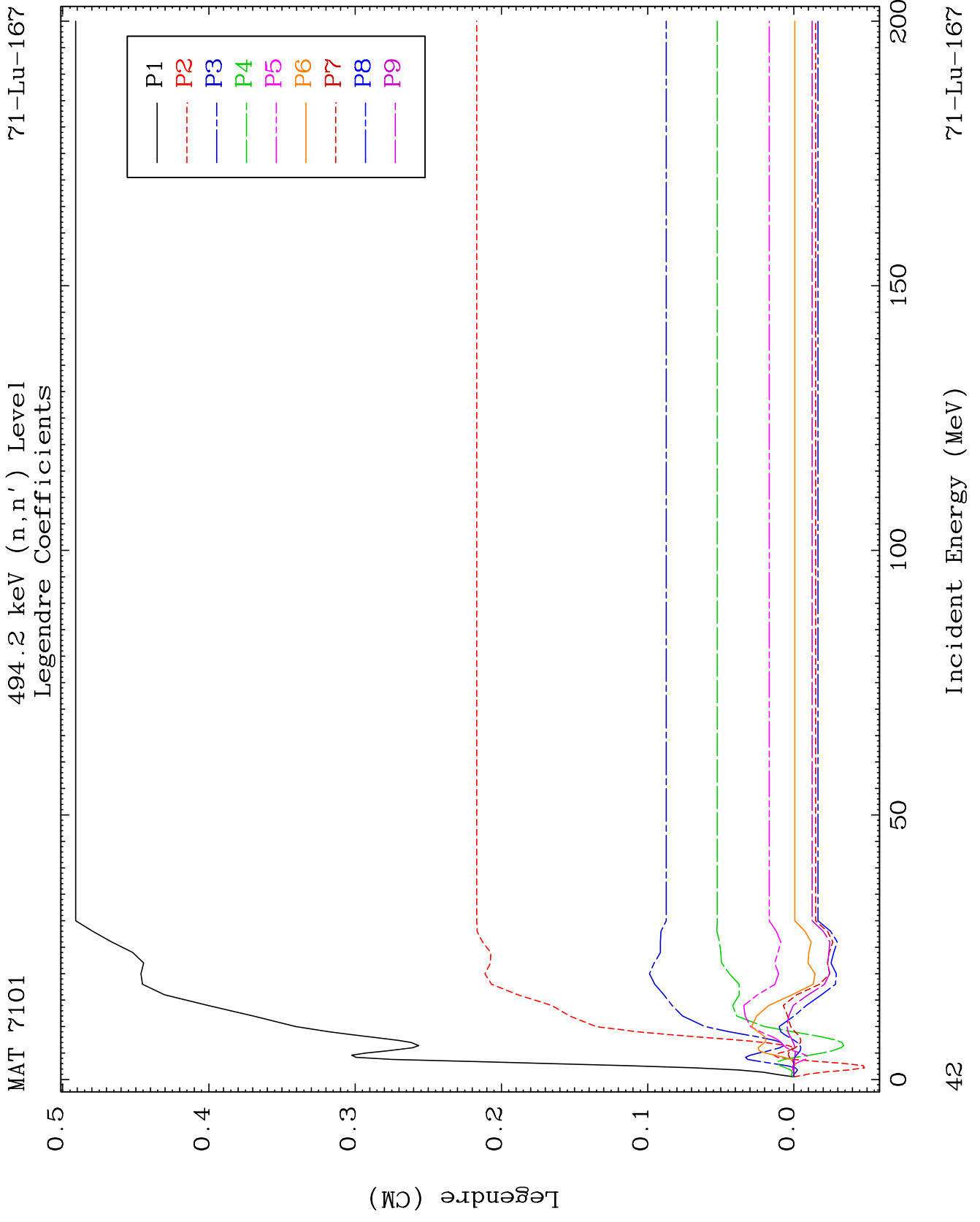
71-Lu-167



71-Lu-167

Incident Energy (MeV)

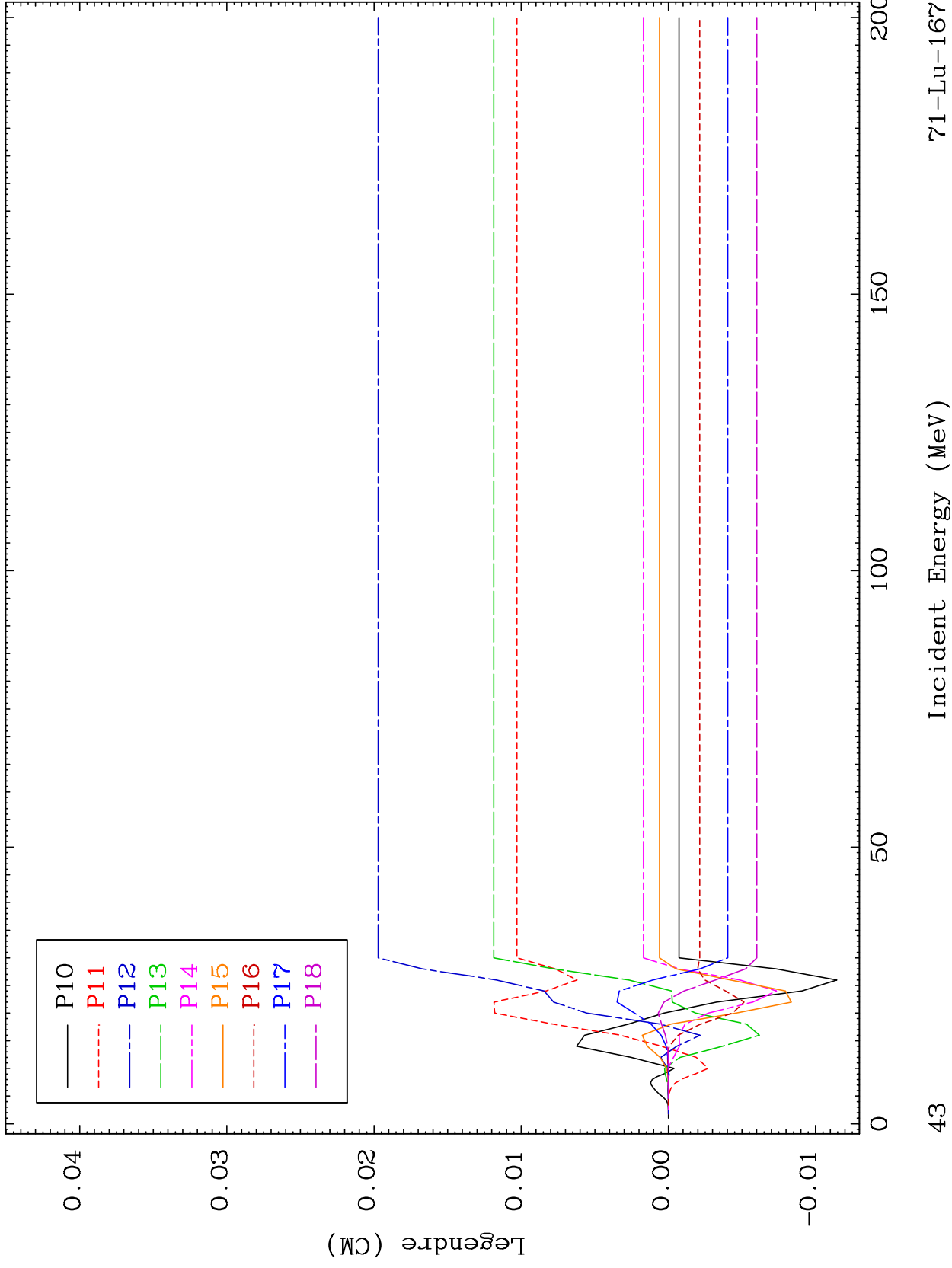
41



MAT 7101

494.2 keV (n, n') Level
Legendre Coefficients

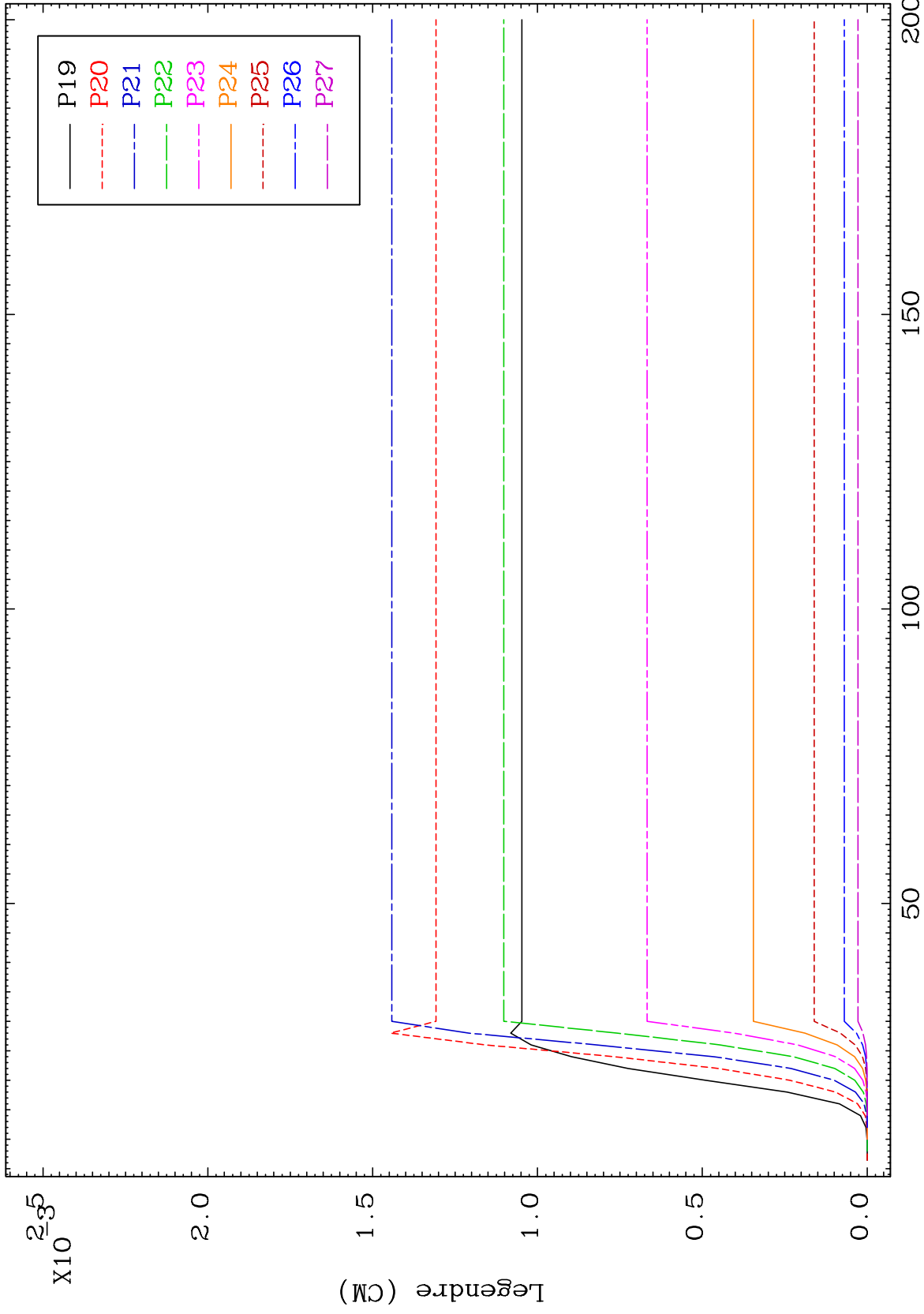
71-Lu-167

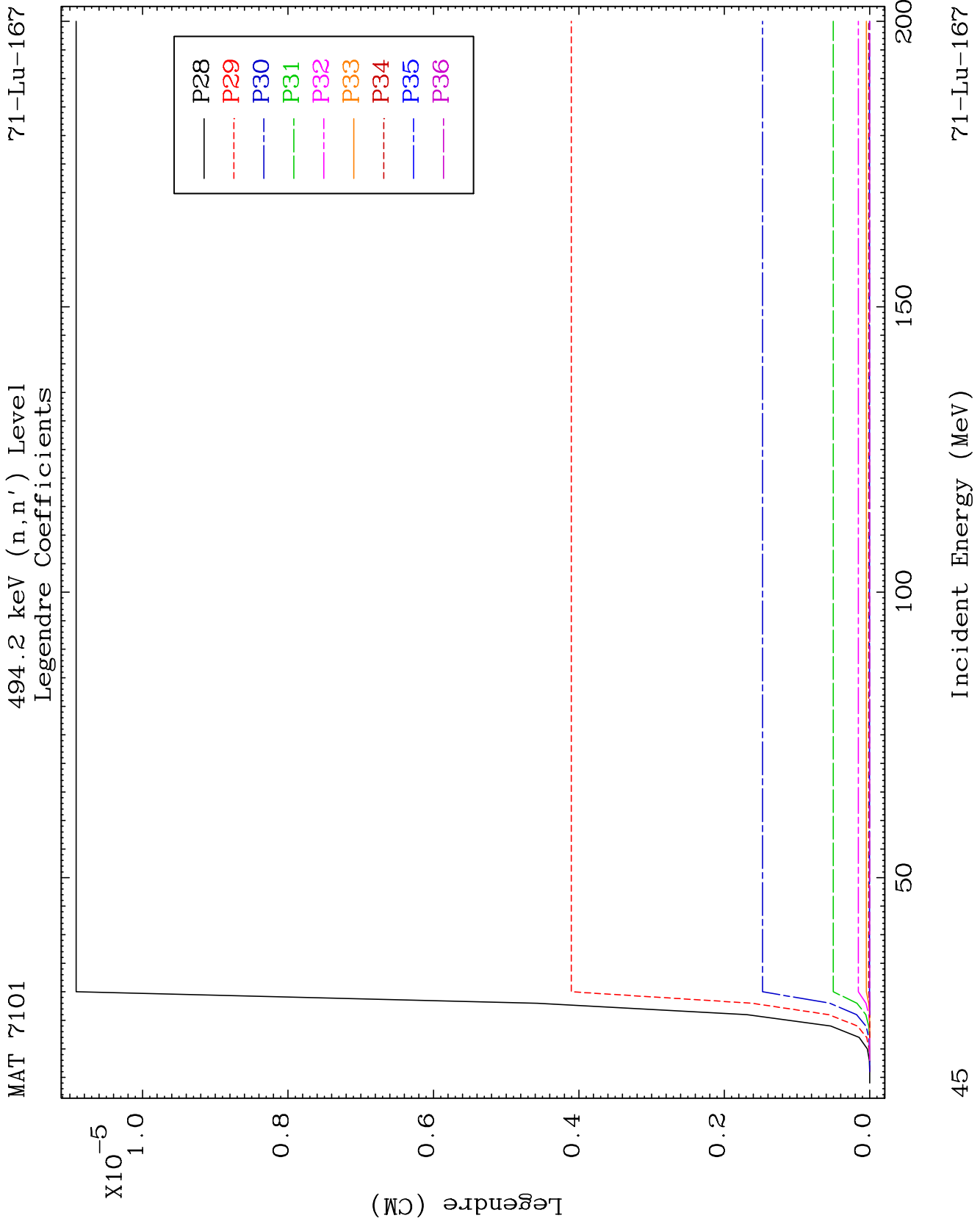


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Incident Energy (MeV)

71-Lu-167

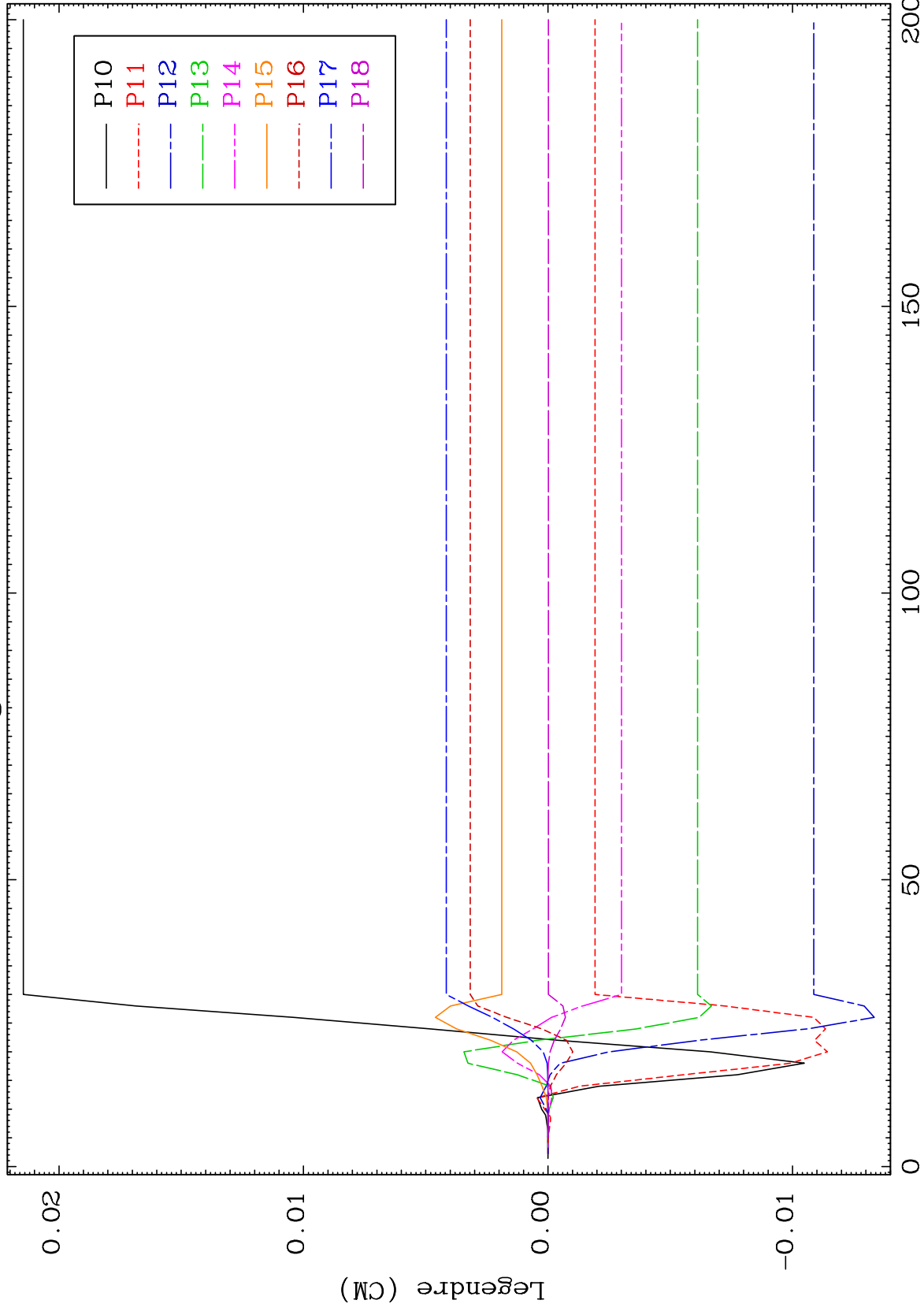




MAT 7101

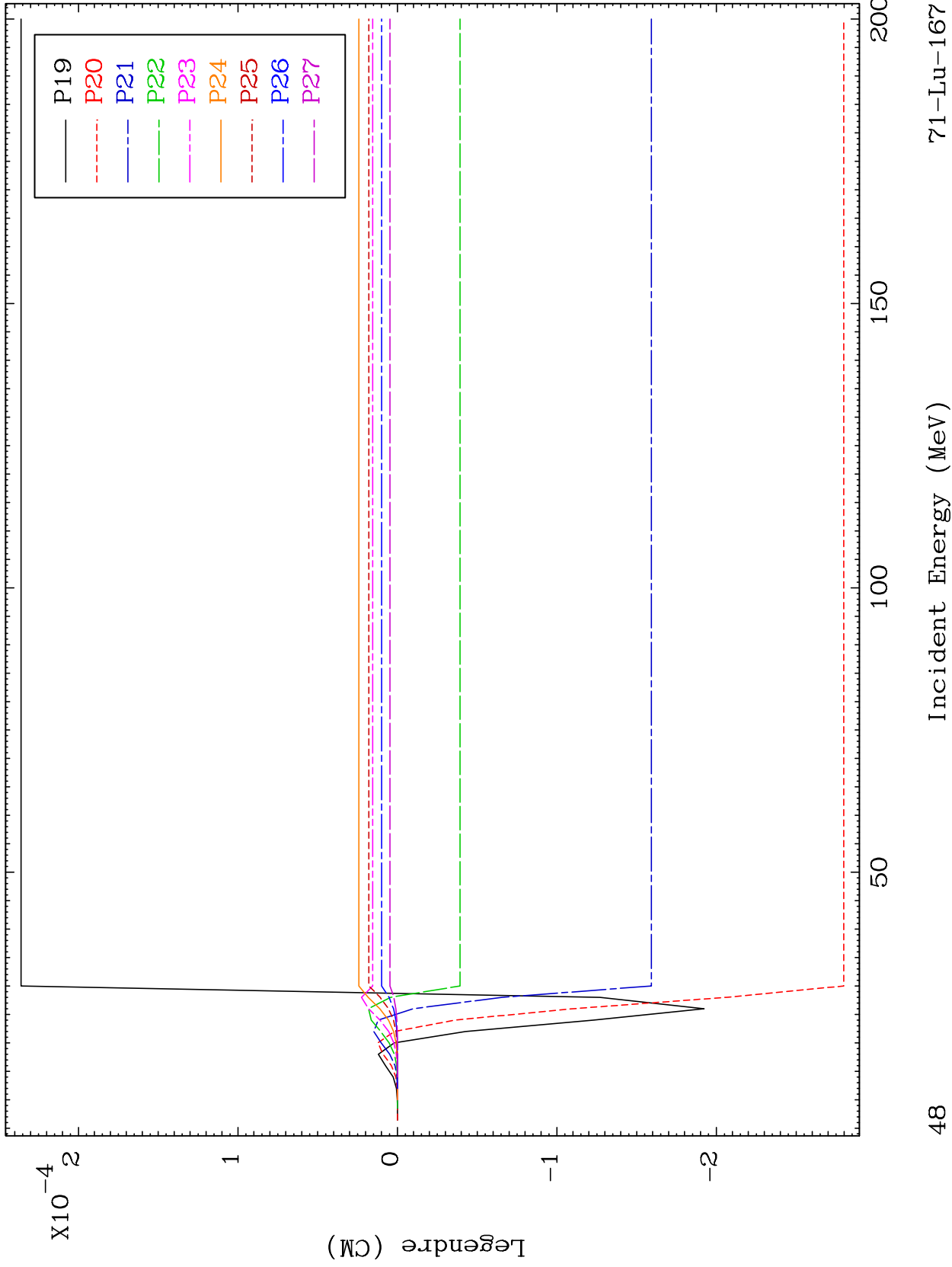
577.0 keV (n,n') Level
Legendre Coefficients

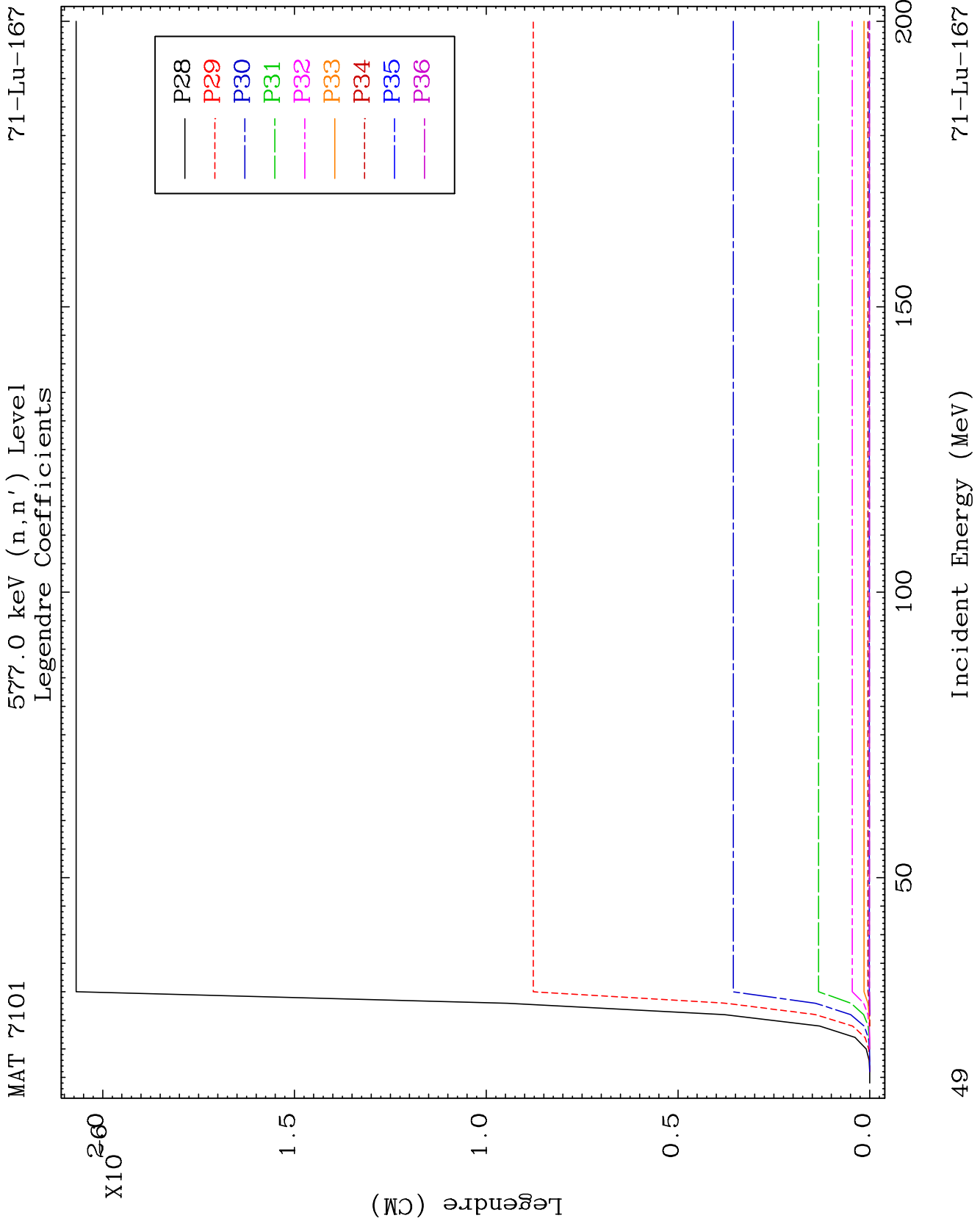
71-Lu-167

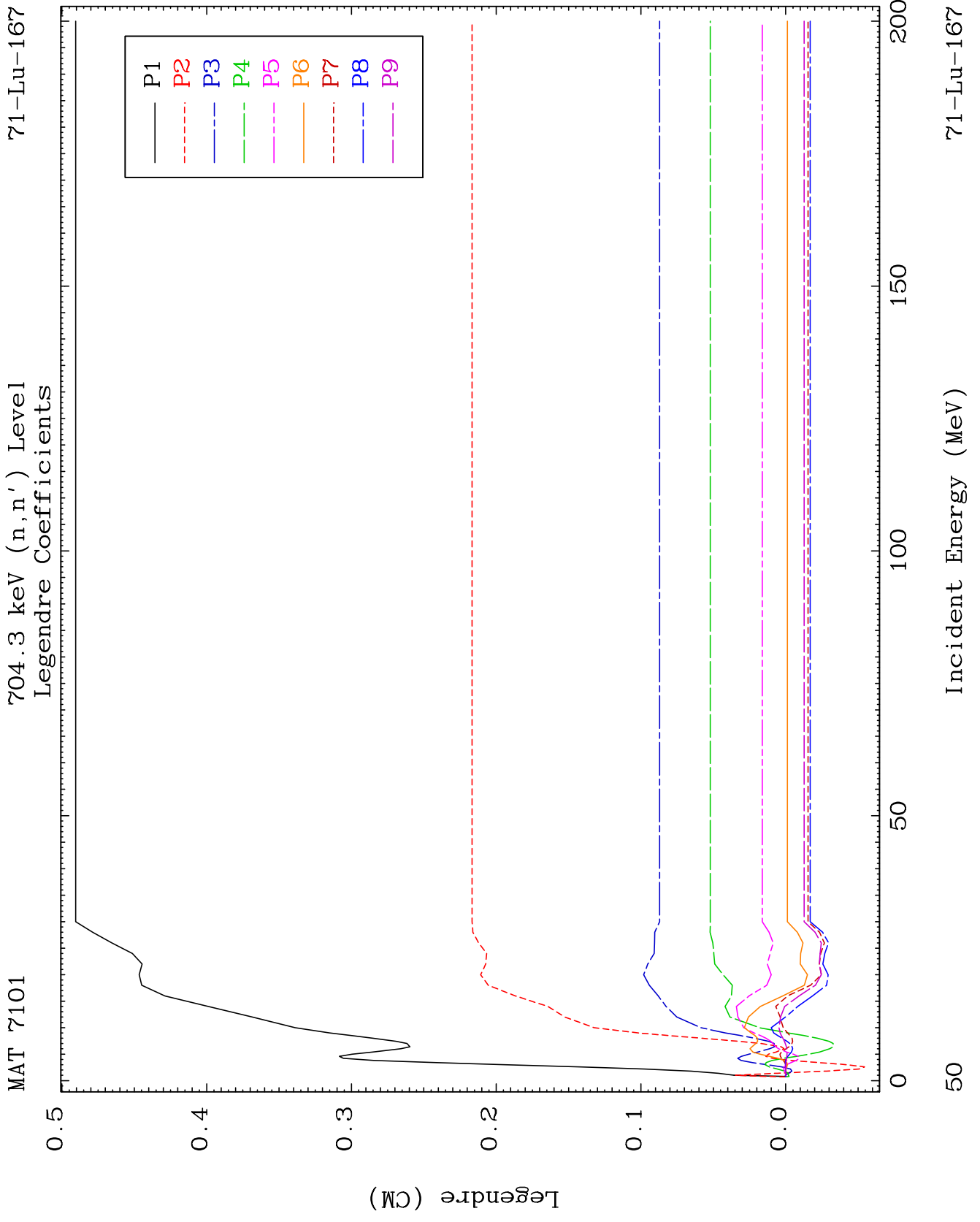


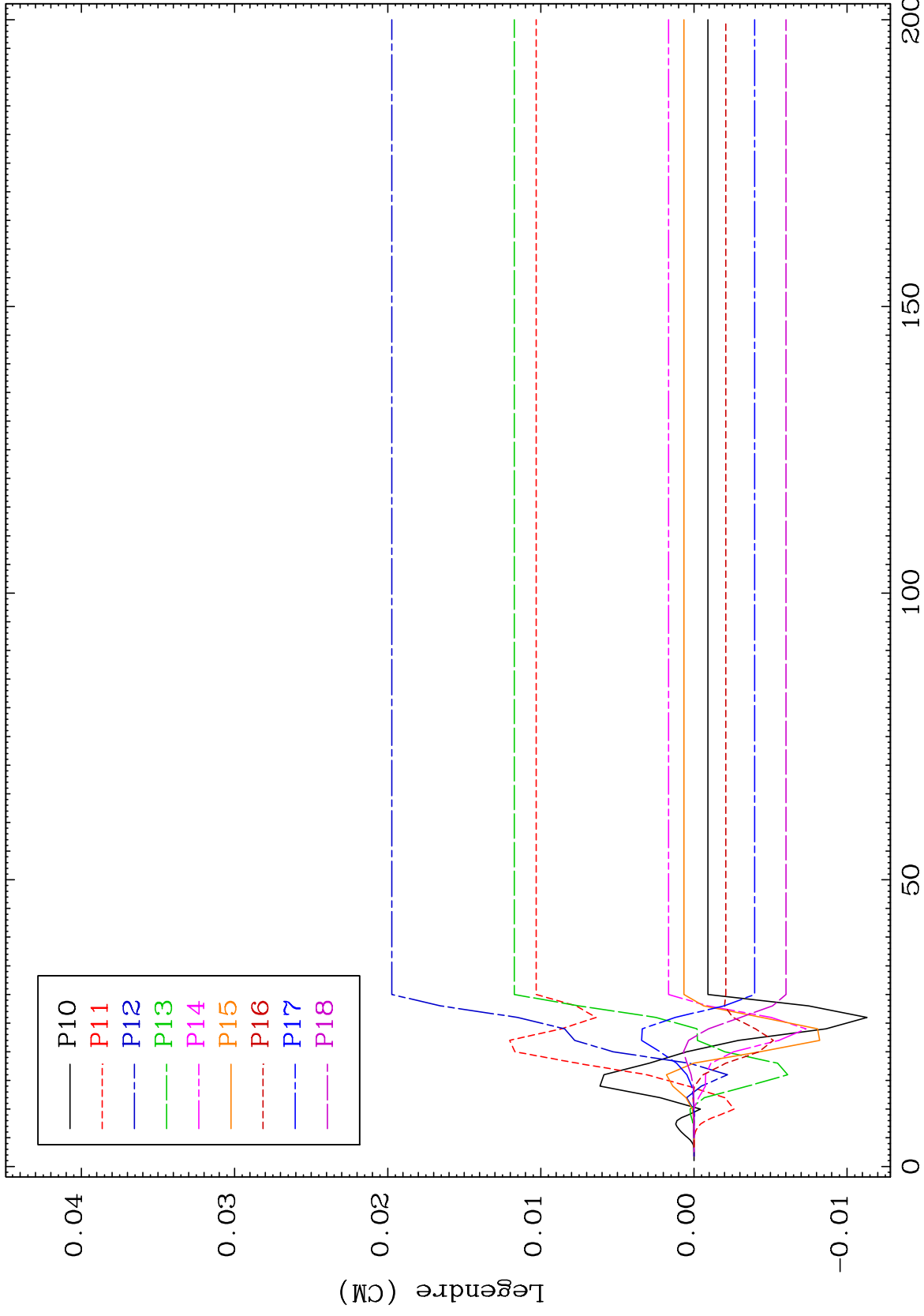
47

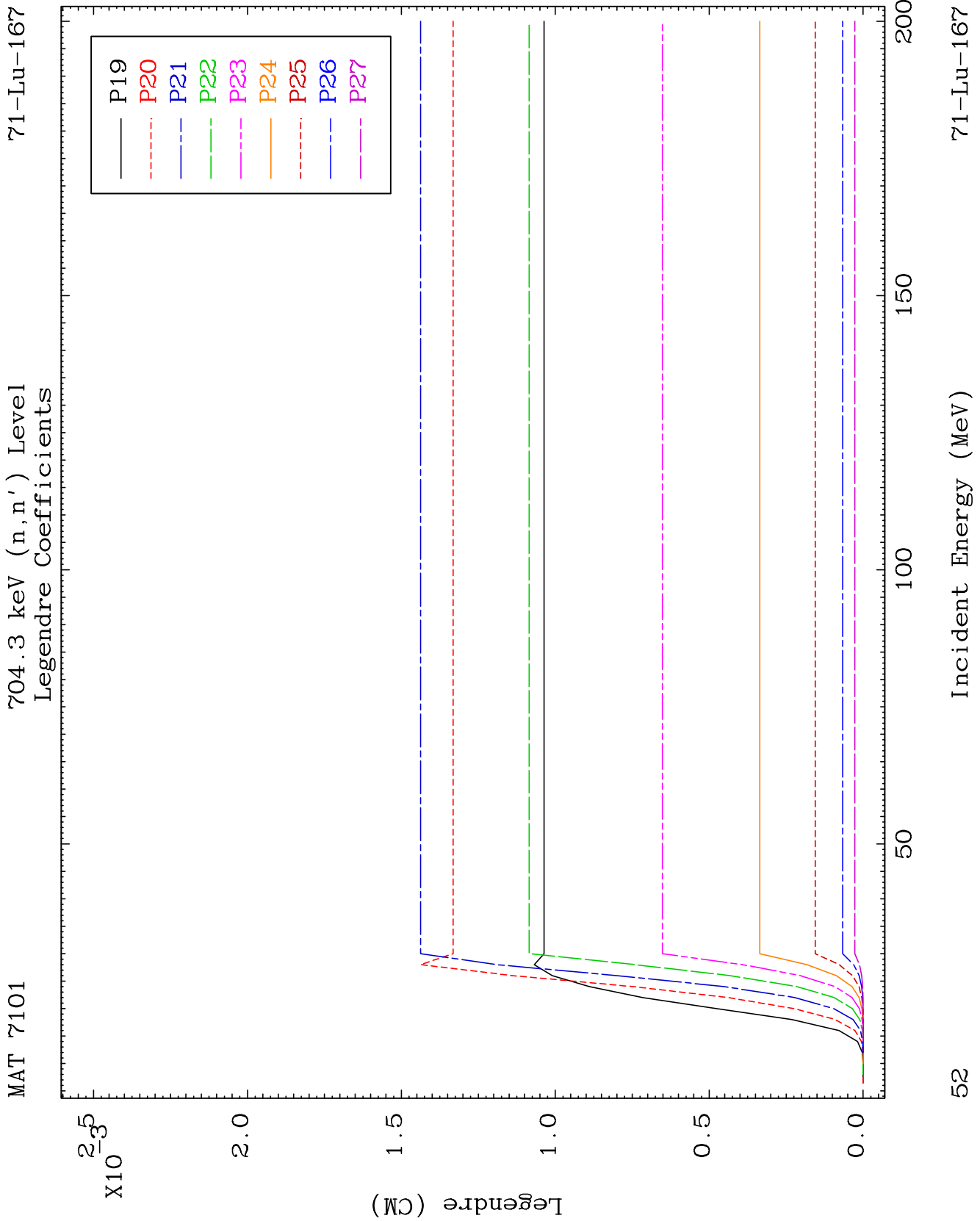
71-Lu-167

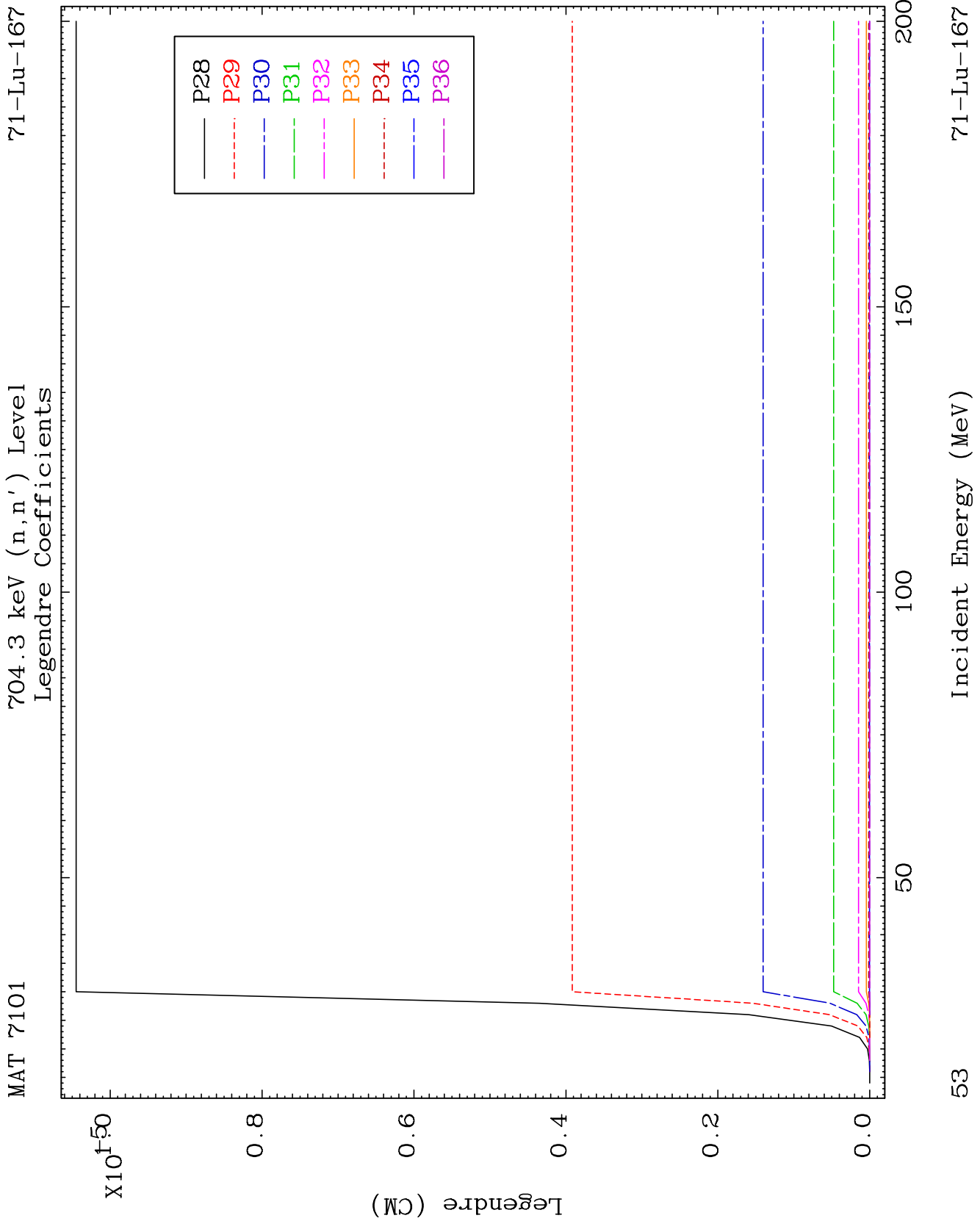




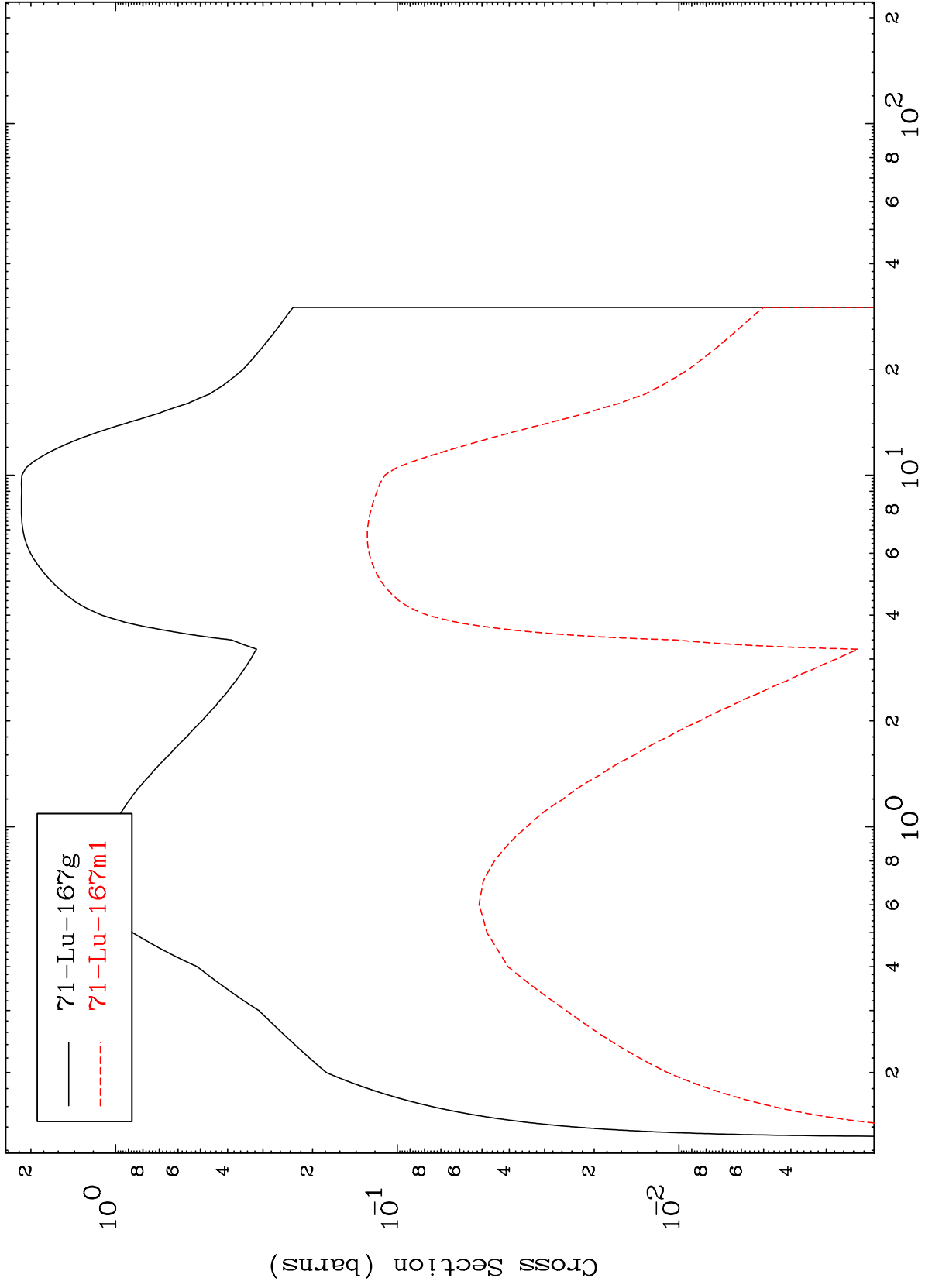




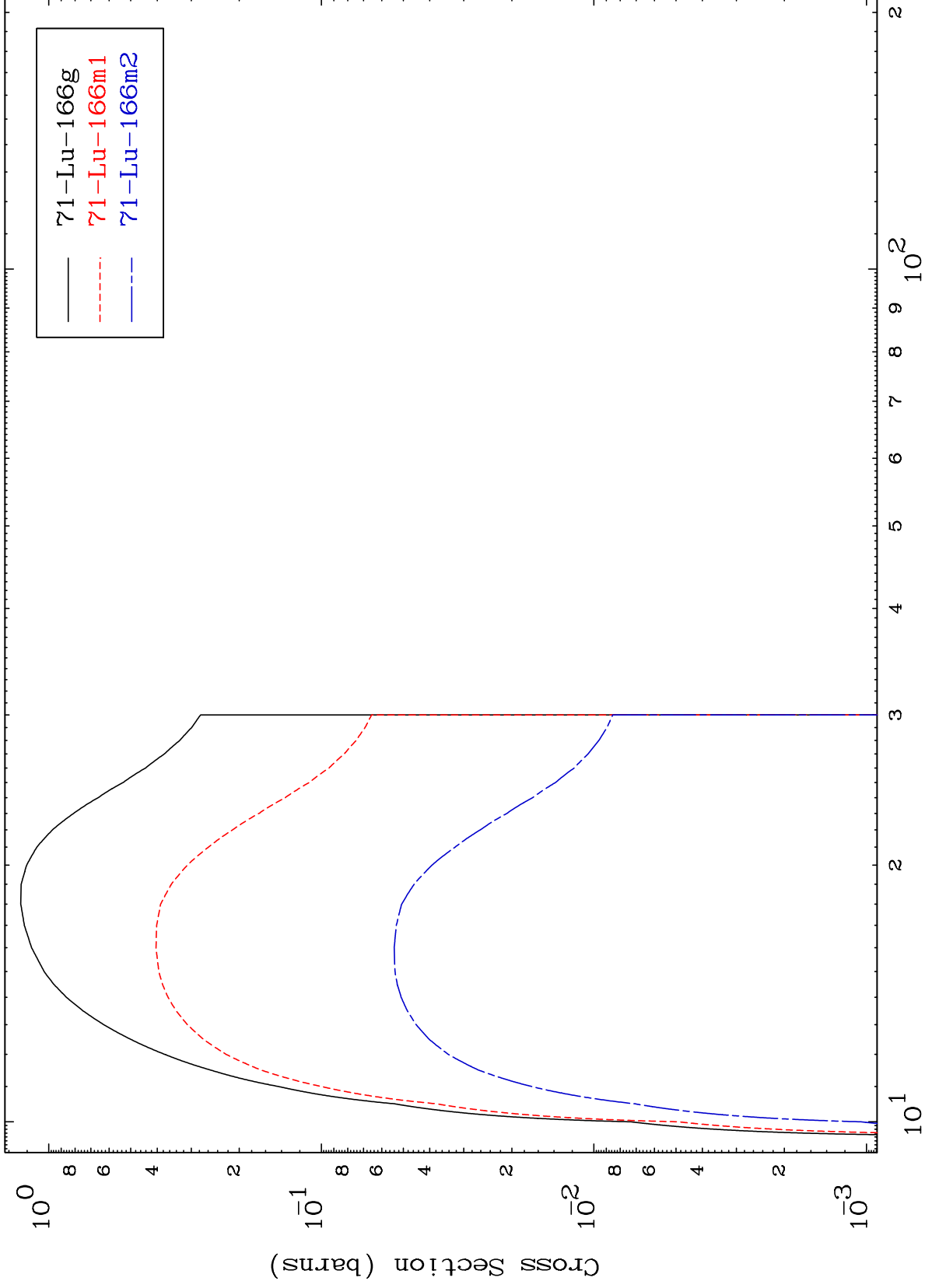




Inelastic
Radionuclide Production Cross Section



Radionuclide Production Cross Section

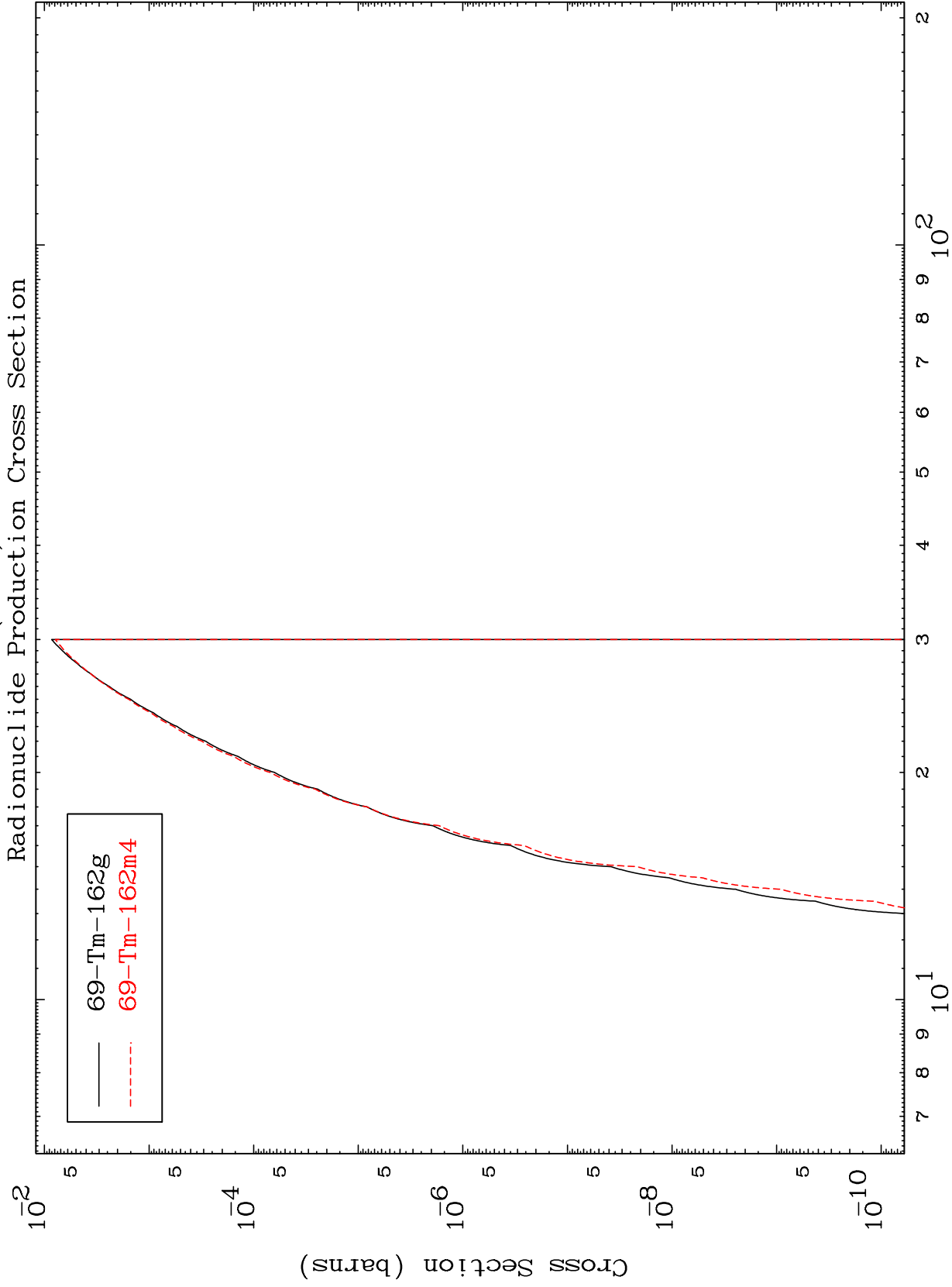


71-Lu-166g
71-Lu-166m1
71-Lu-166m2

MAT 7101

(n,2n) α

71-Lu-167



Incident Energy (MeV)

71-Lu-167

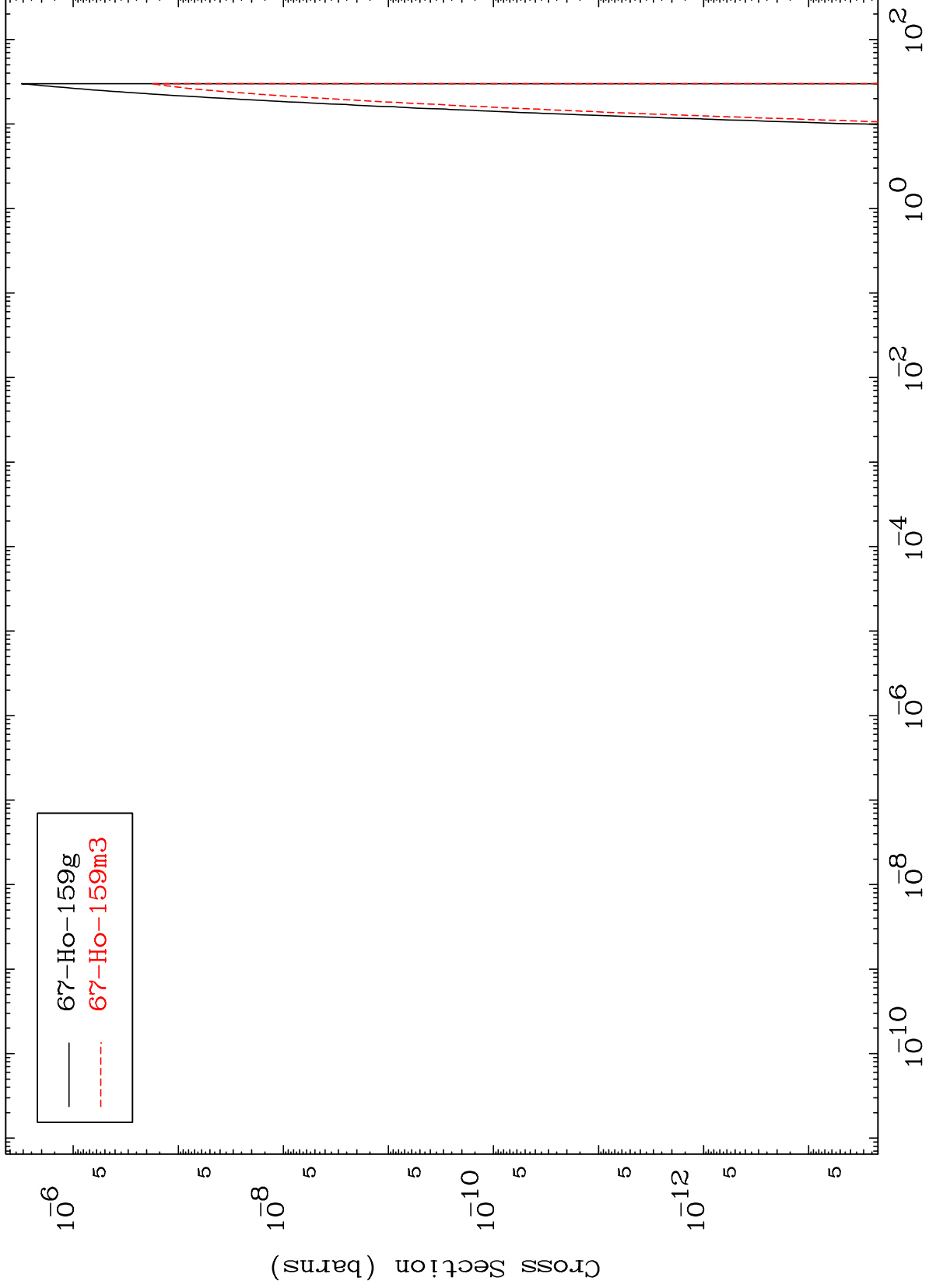
56

MAT 7101

(n,n') 2α

71-Lu-167

Radionuclide Production Cross Section



57

Incident Energy (MeV)

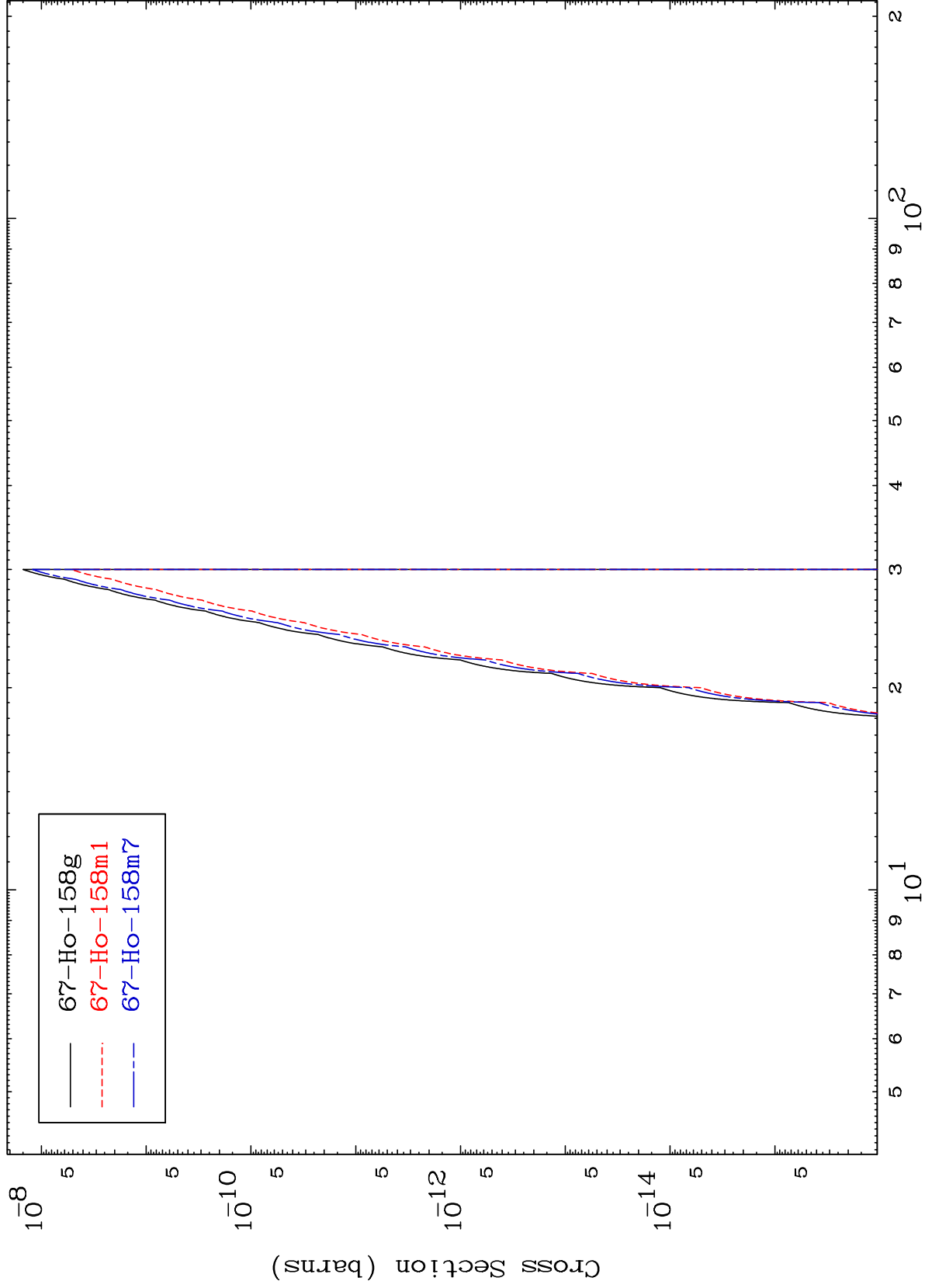
71-Lu-167

MAT 7101

(n,2n) 2 α

71-Lu-167

Radionuclide Production Cross Section

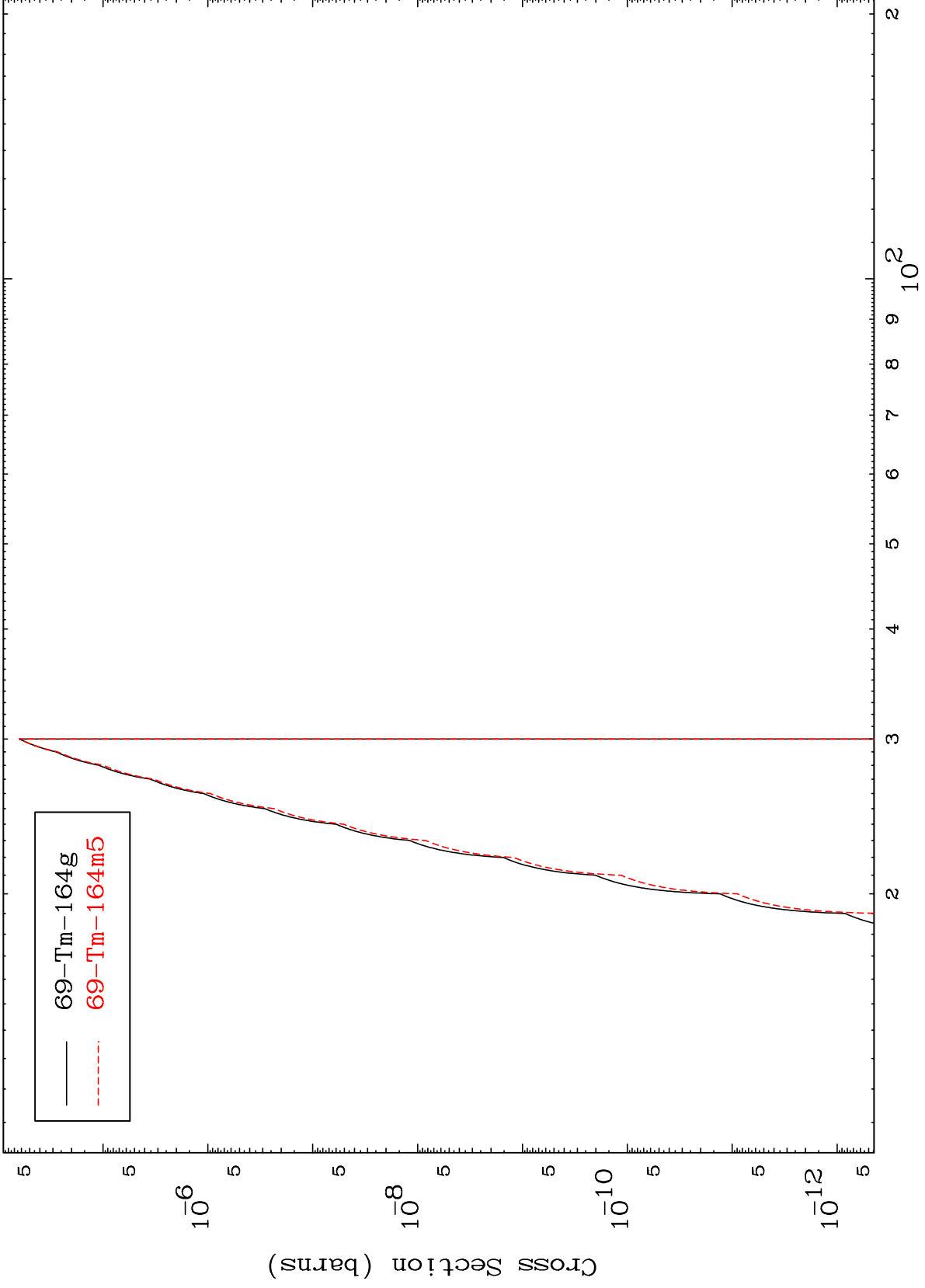


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Incident Energy (MeV)

71-Lu-167

Radionuclide Production Cross Section

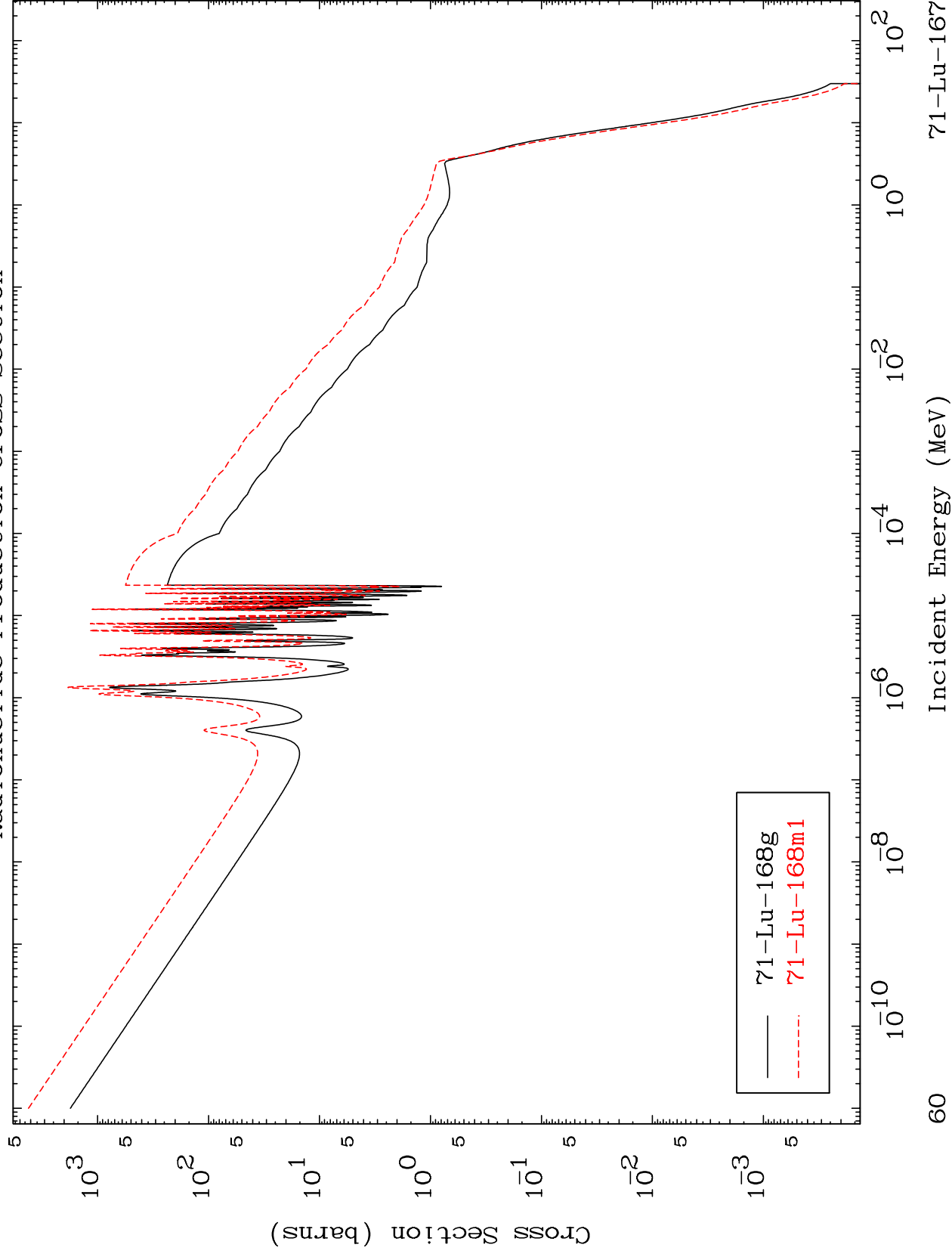


MAT 7101

⁷¹Lu-167

Radionuclide Production Cross Section

(n, γ)

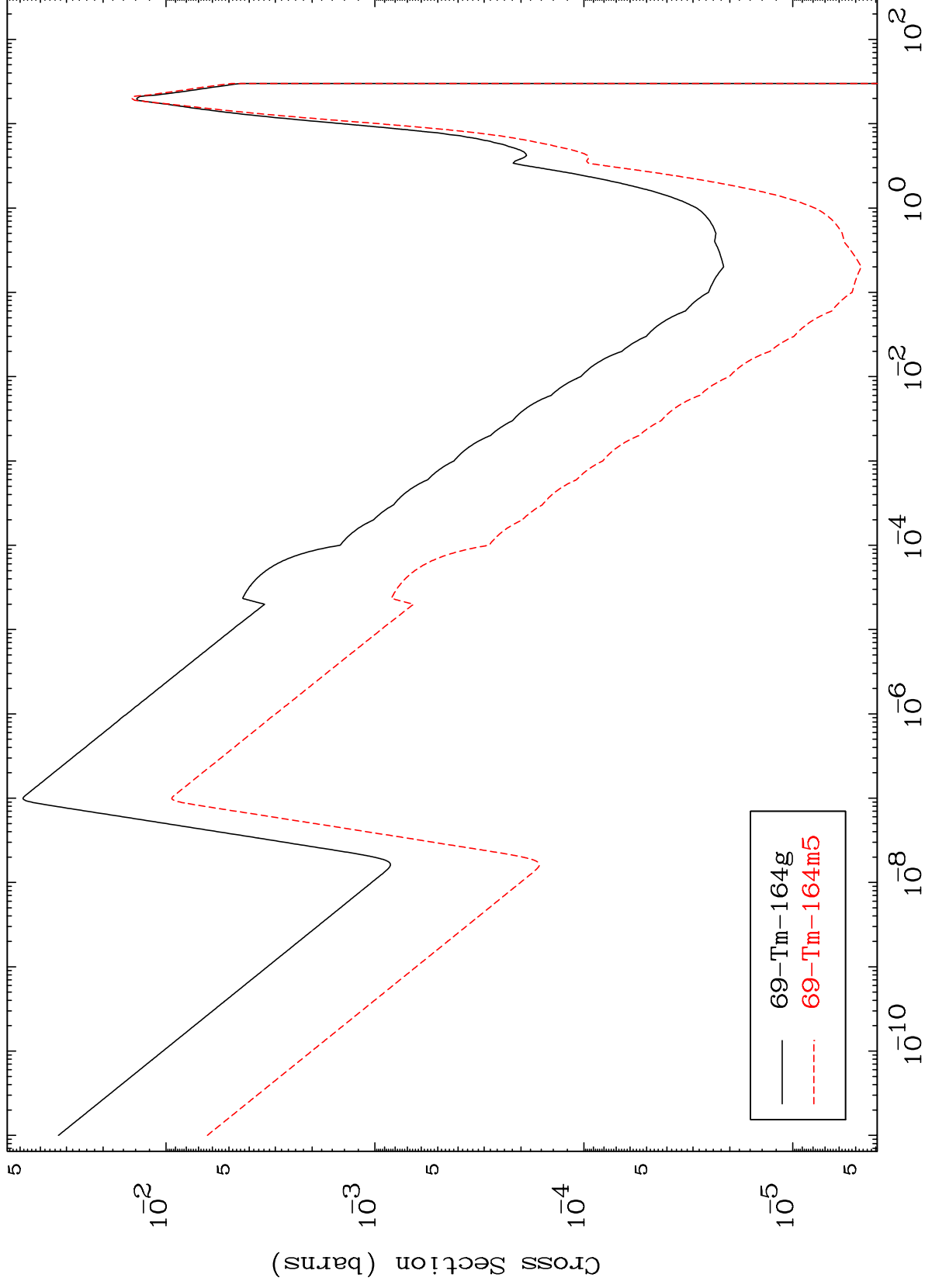


MAT 7101

71-Lu-167

Radionuclide Production Cross Section

(n, α)



61

Incident Energy (MeV)

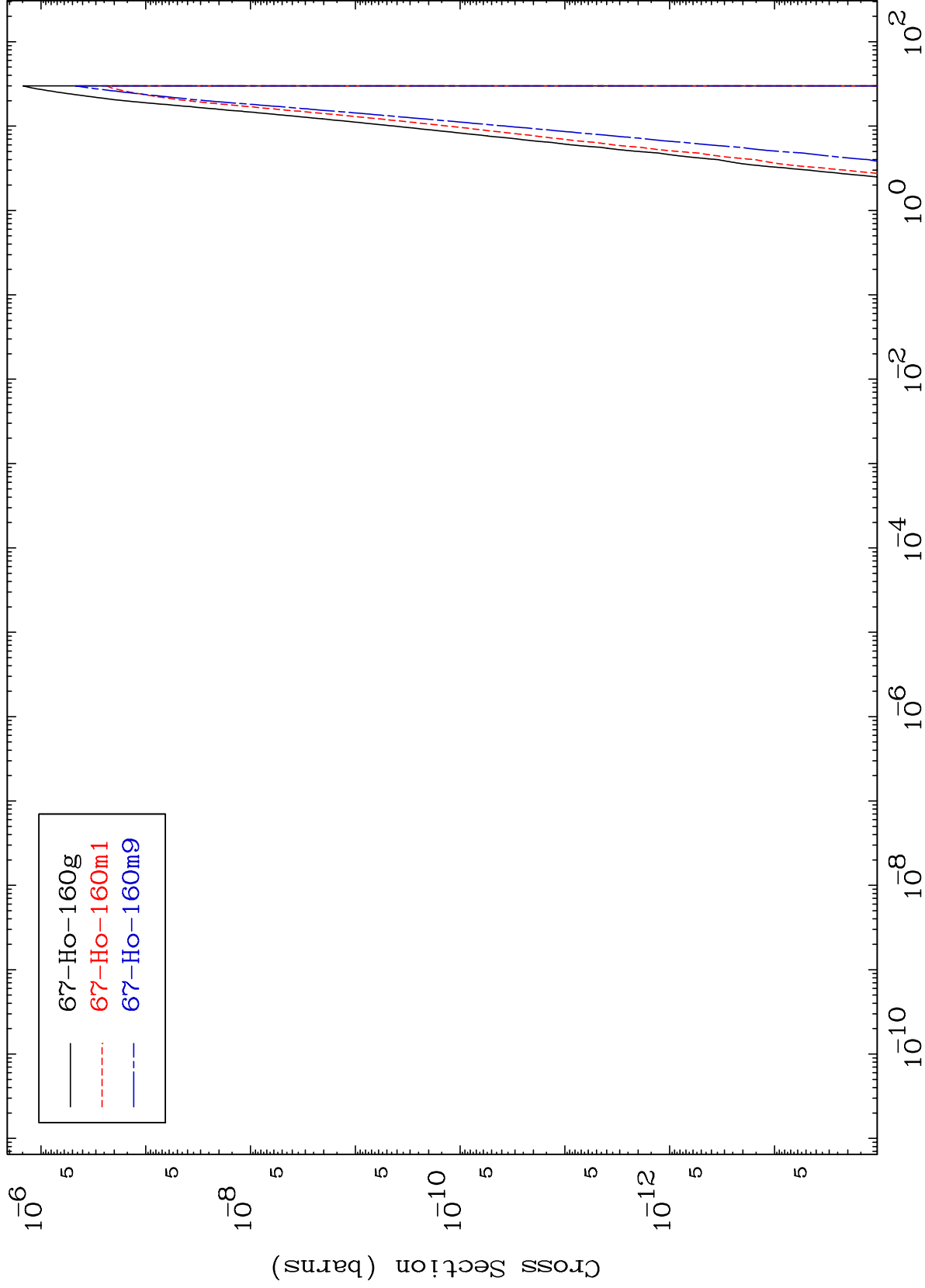
71-Lu-167

MAT 7101

(n,2α)

⁷¹Lu-167

Radionuclide Production Cross Section



62

Incident Energy (MeV)

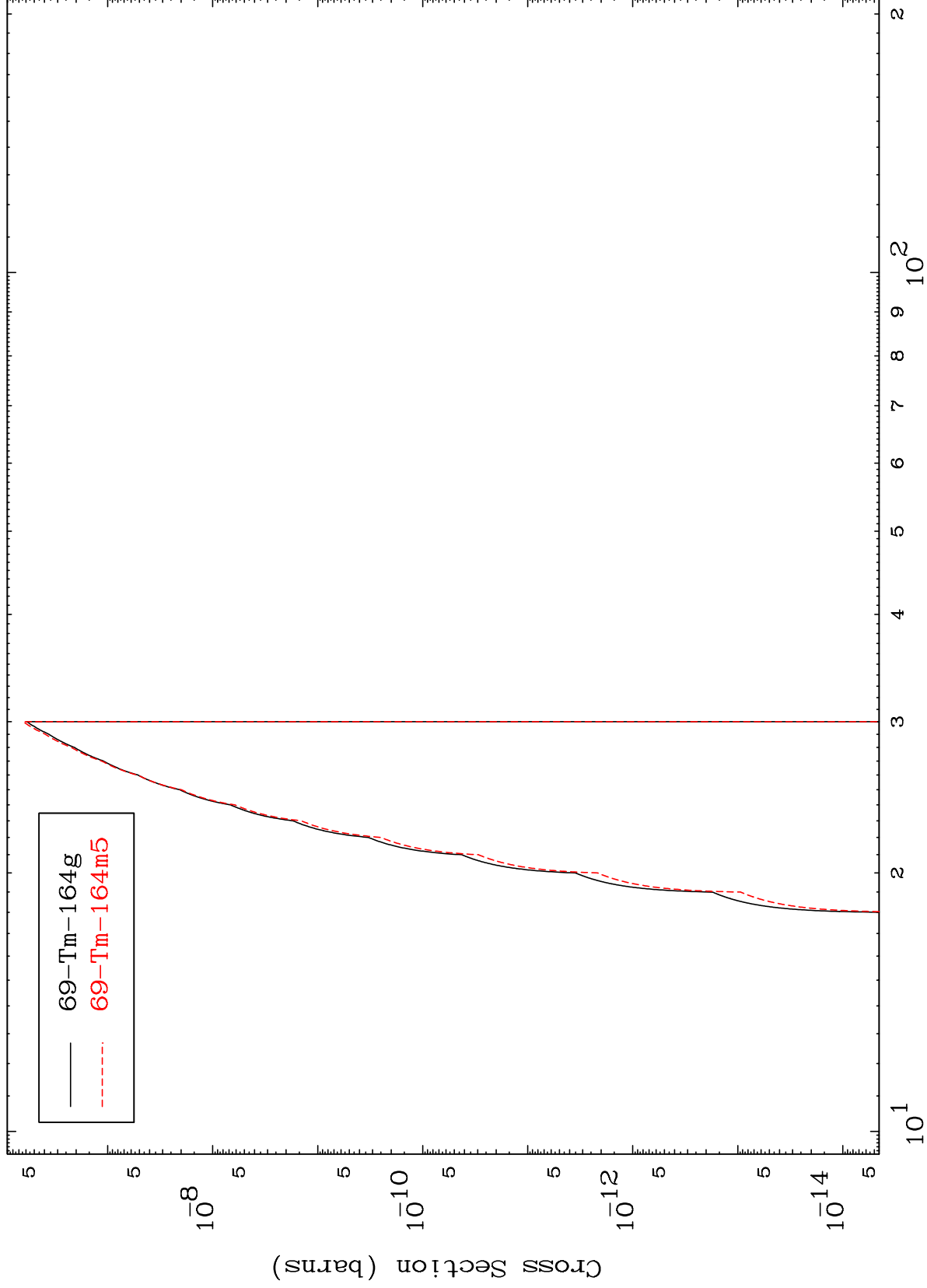
⁷¹Lu-167

MAT 7101

(n,p) t

71-Lu-167

Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-167

63