

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

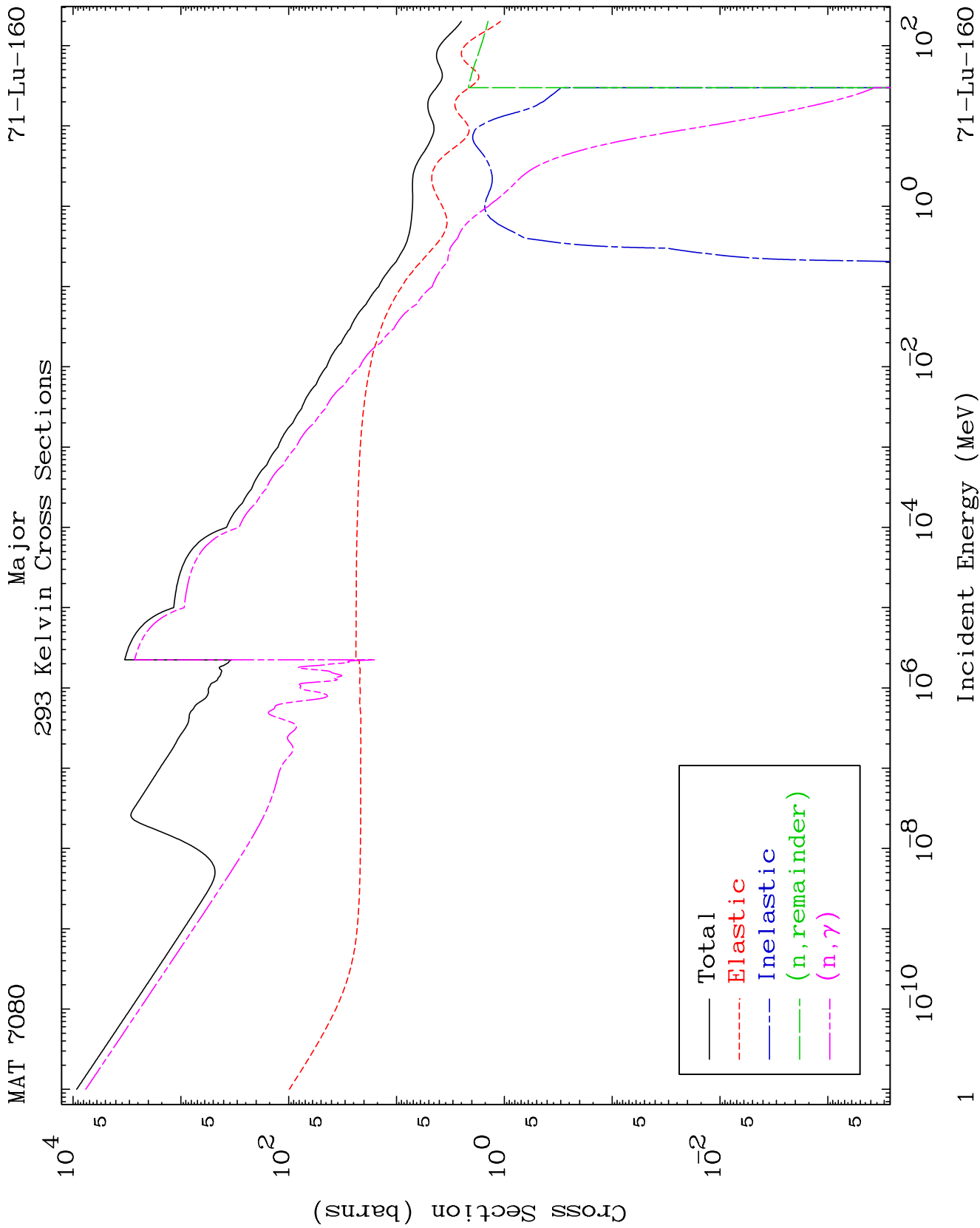
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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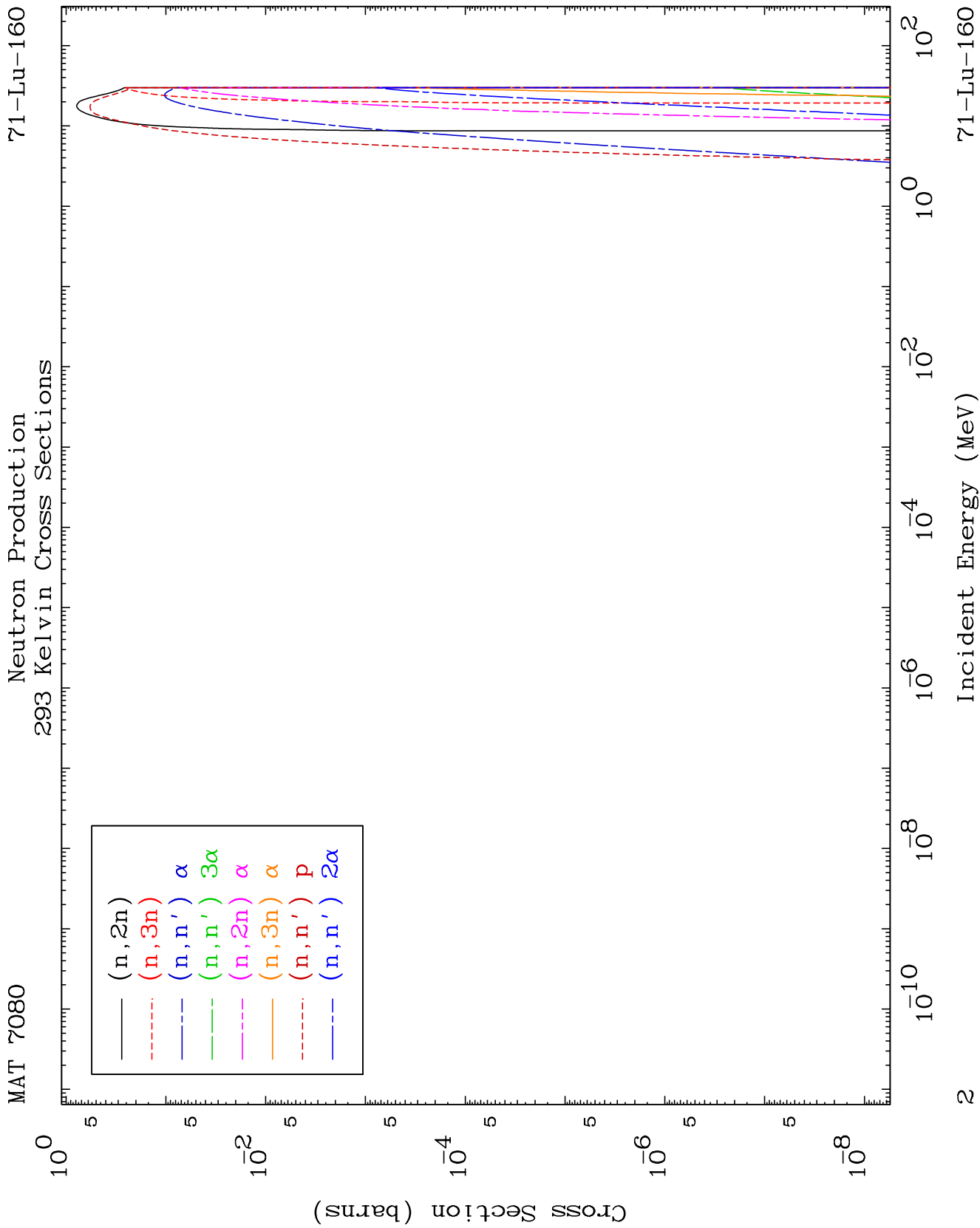
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

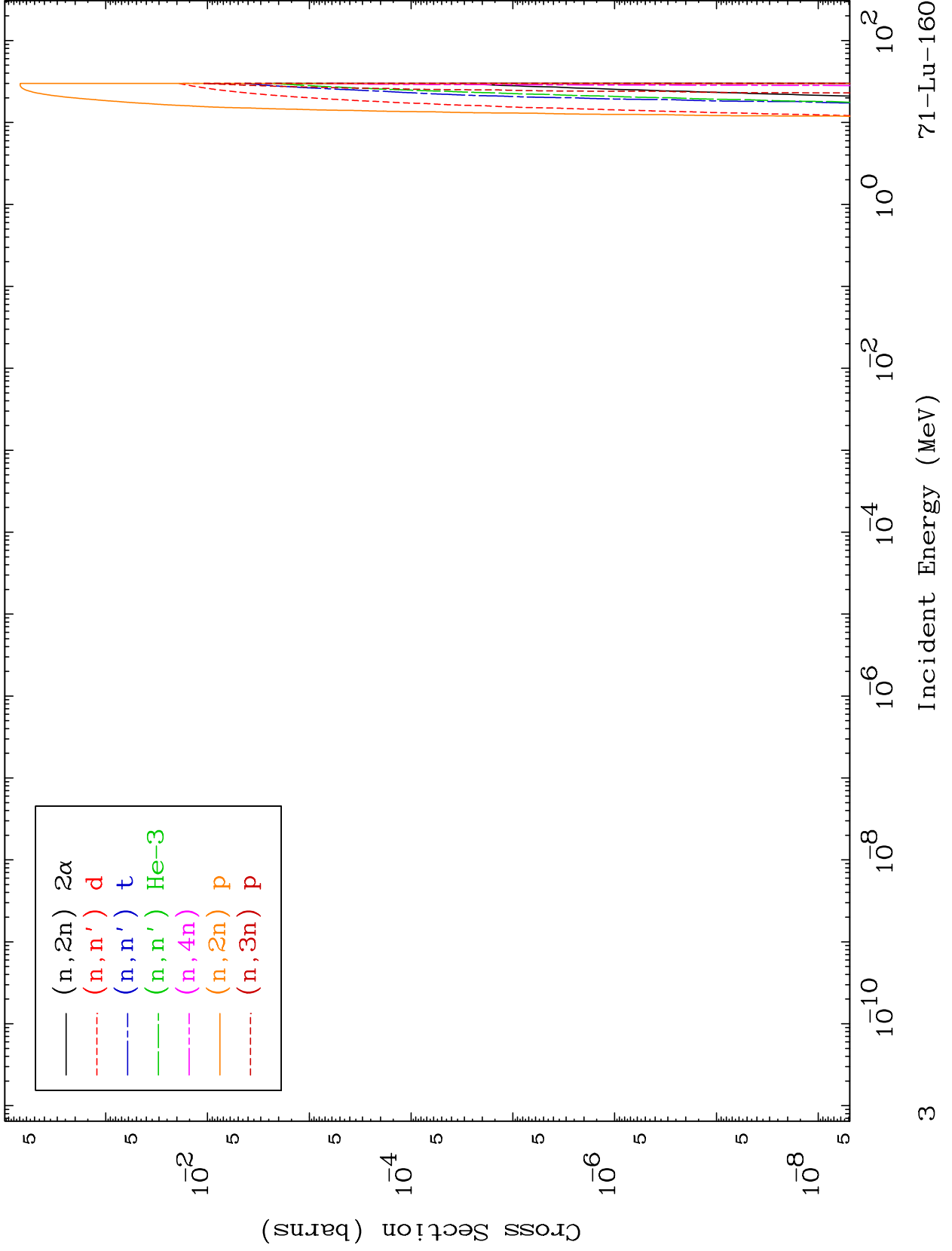




MAT 7080

Neutron Production
293 Kelvin Cross Sections

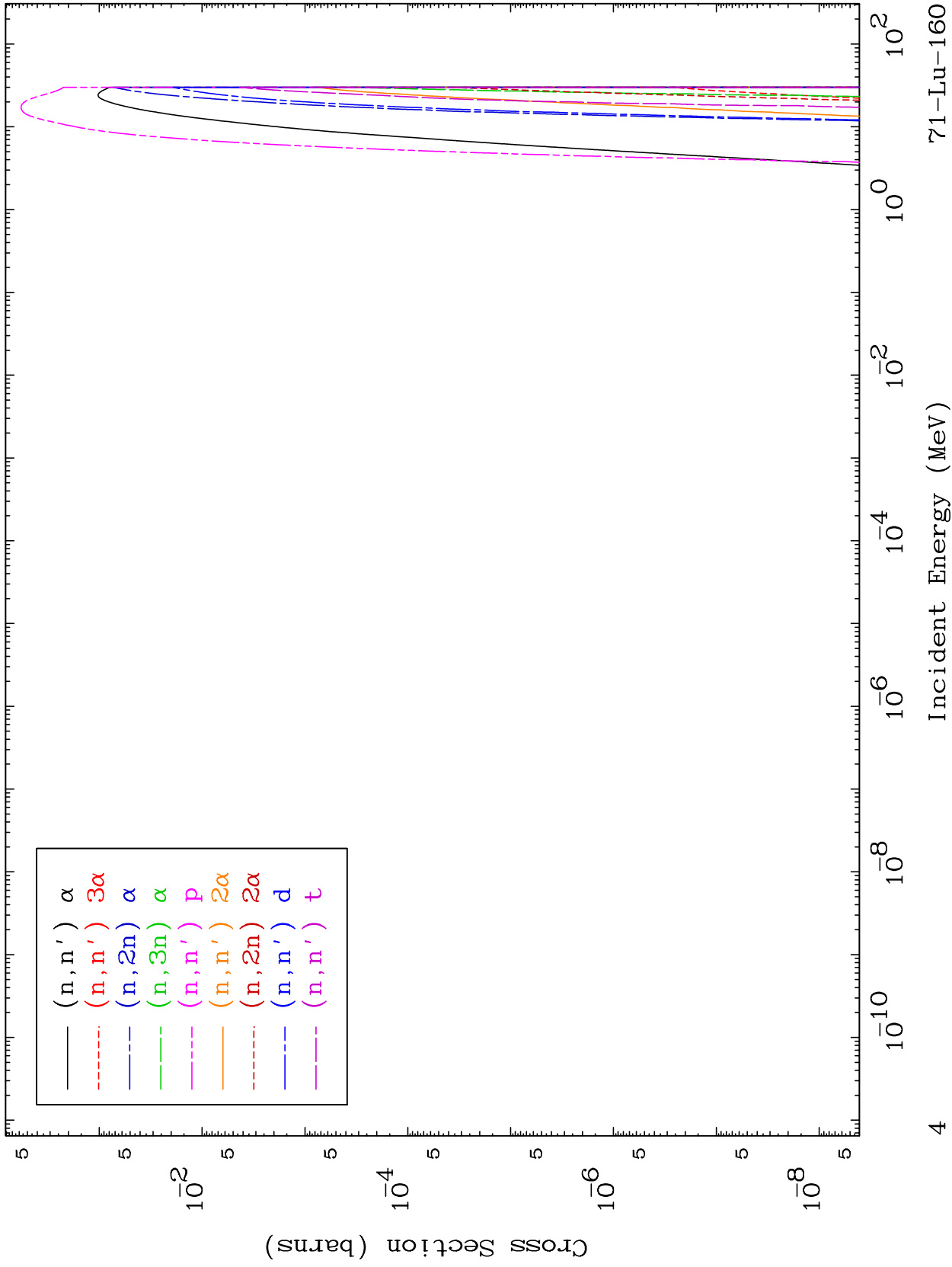
71-Lu-160



MAT 7080

Charged Particle
293 Kelvin Cross Sections

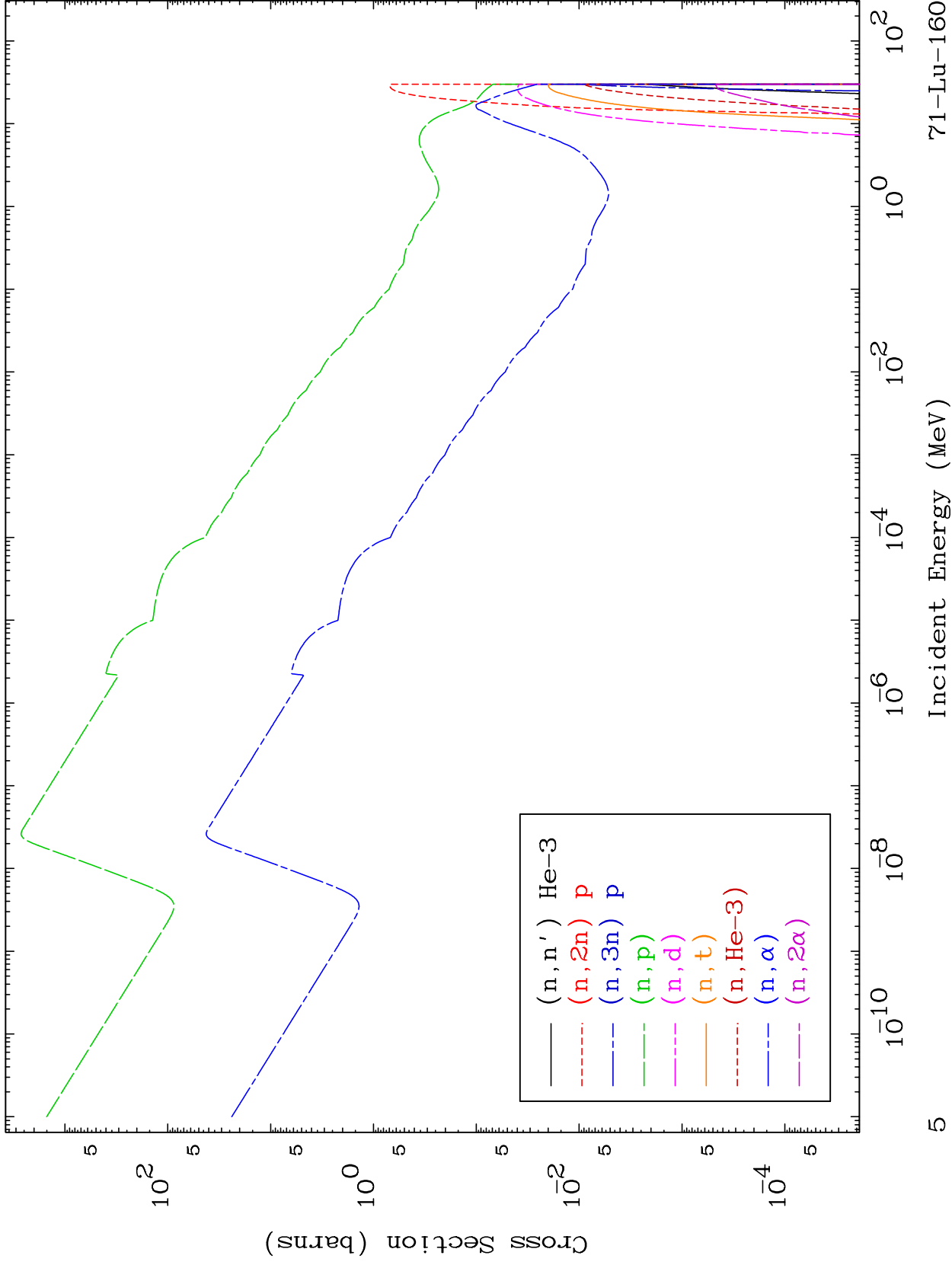
71-Lu-160

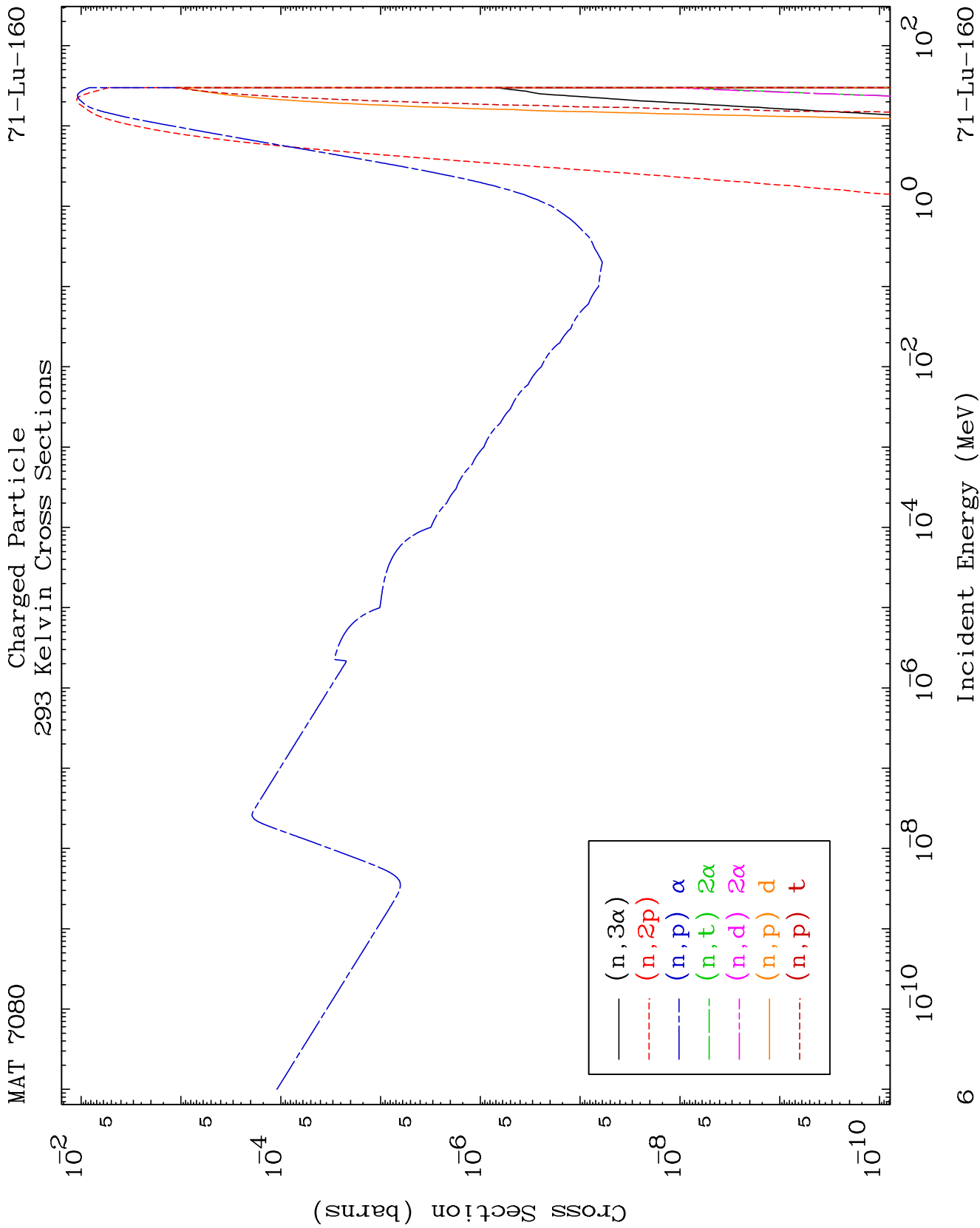


MAT 7080

Charged Particle
293 Kelvin Cross Sections

71-Lu-160

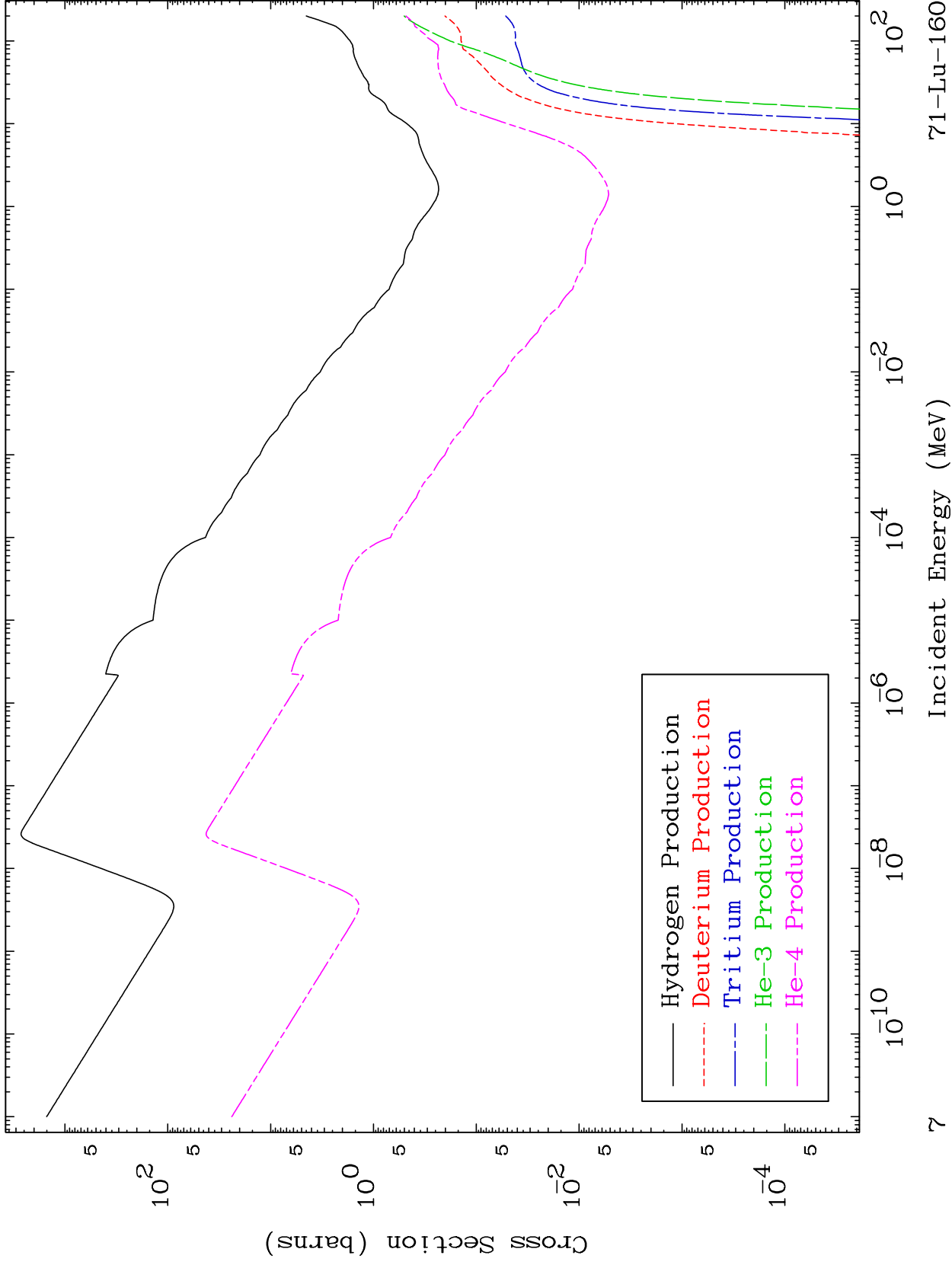




MAT 7080

Particle Production
293 Kelvin Cross Sections

71-Lu-160

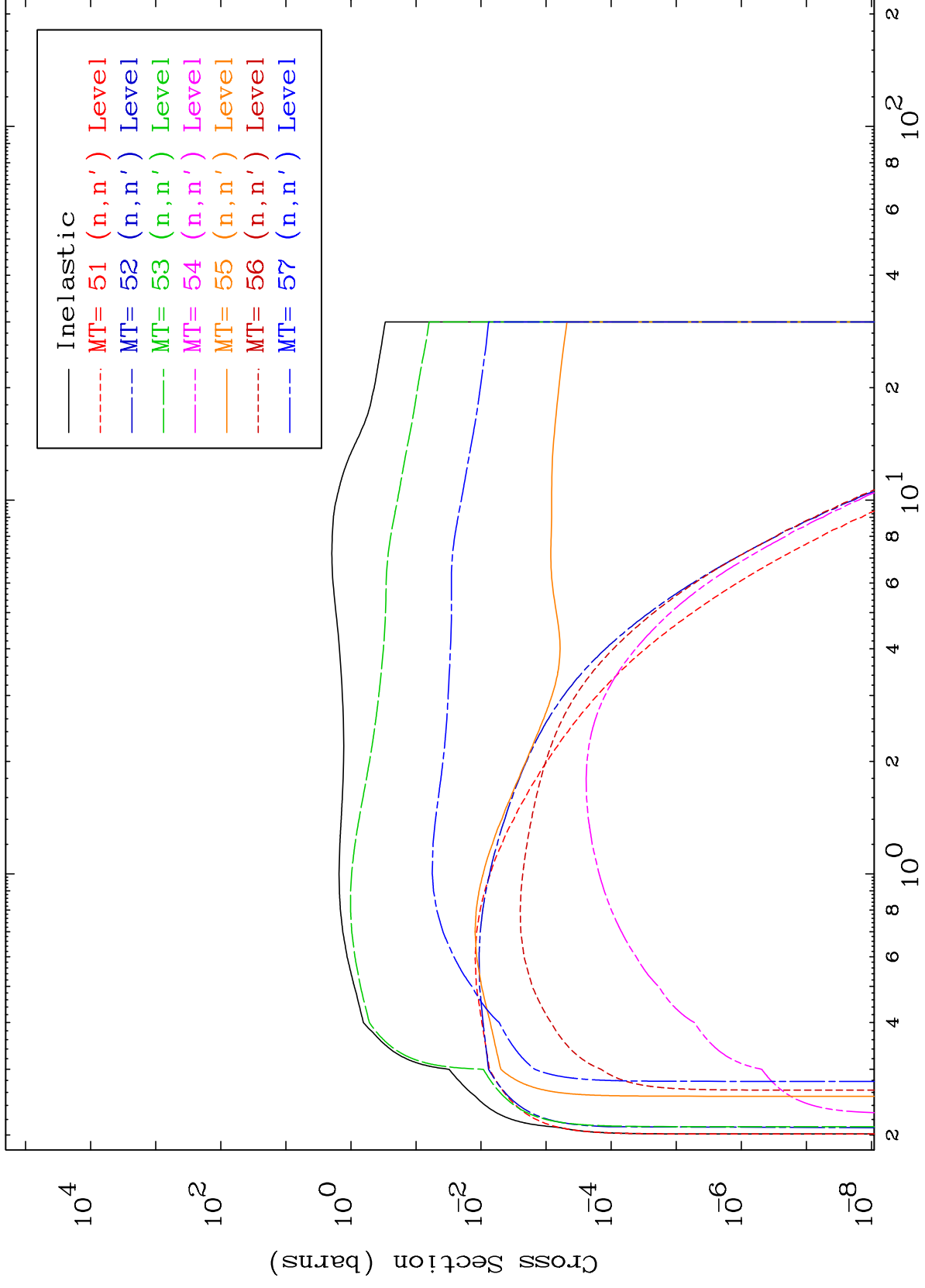


MAT 7080

(n,n') Level

71-Lu-160

293 Kelvin Cross Sections



8

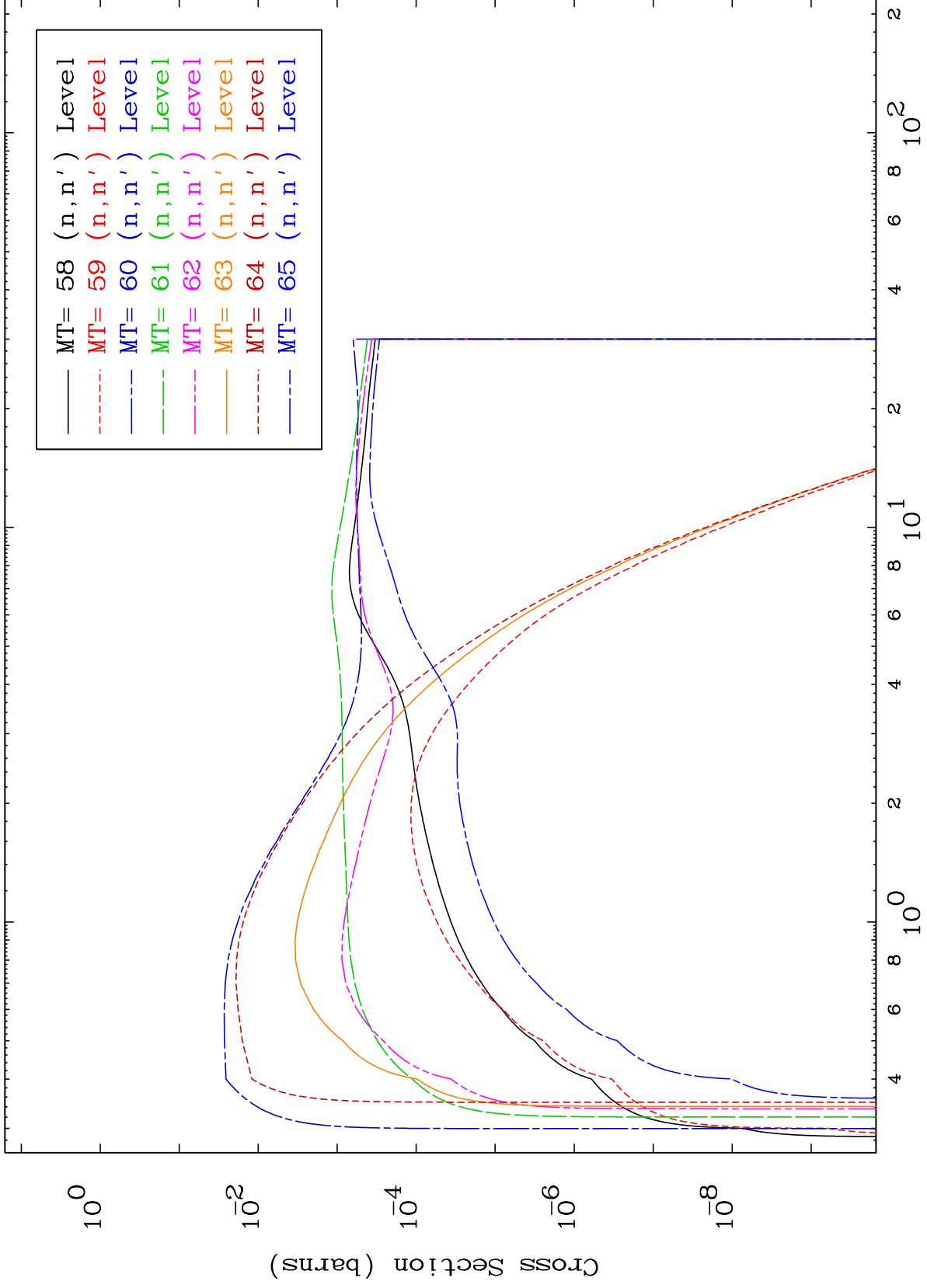
Incident Energy (MeV)

71-Lu-160

MAT 7080

(n,n') Level
293 Kelvin Cross Sections

71-Lu-160

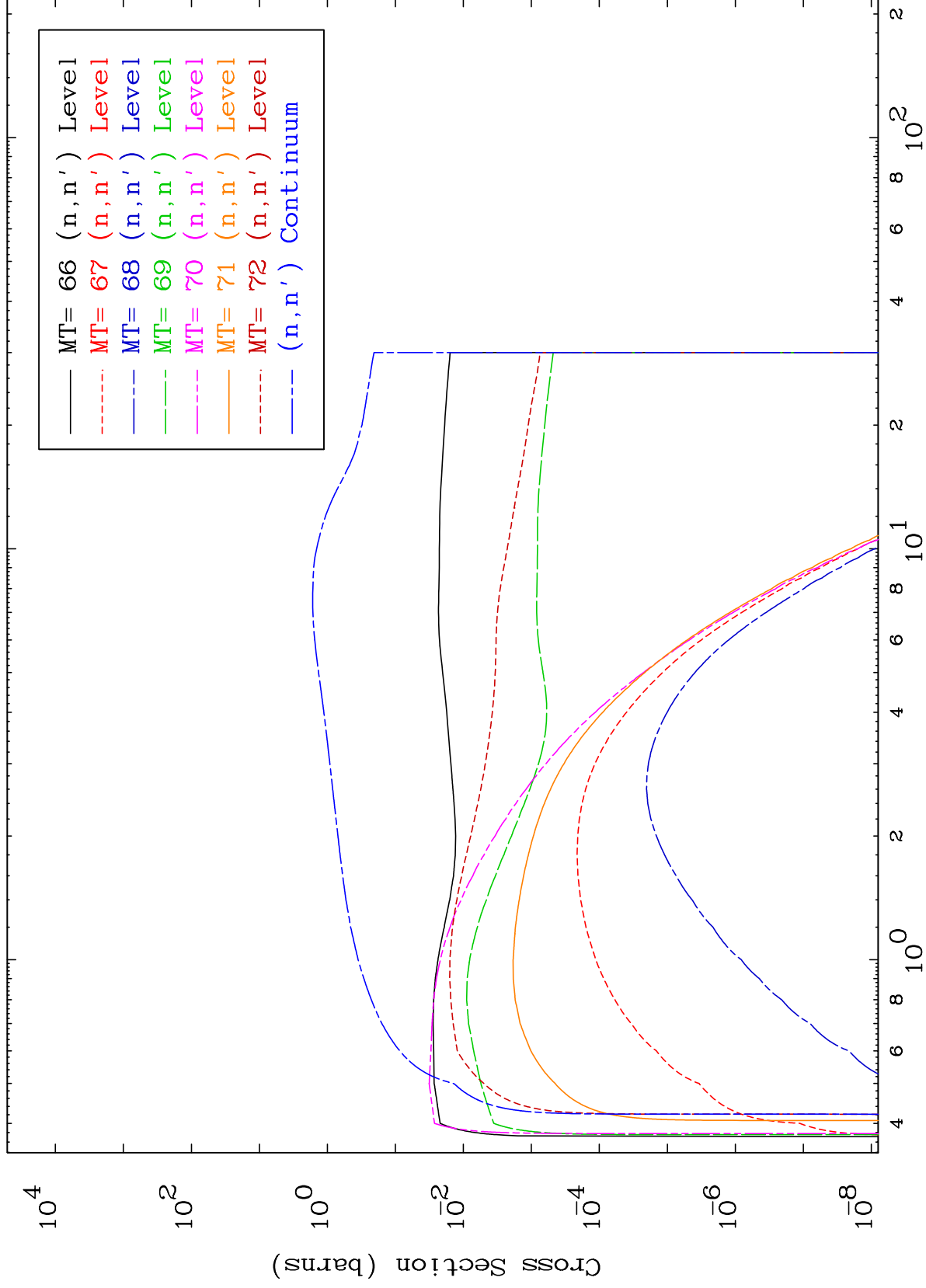


MAT 7080

(n,n') Level

293 Kelvin Cross Sections

71-Lu-160



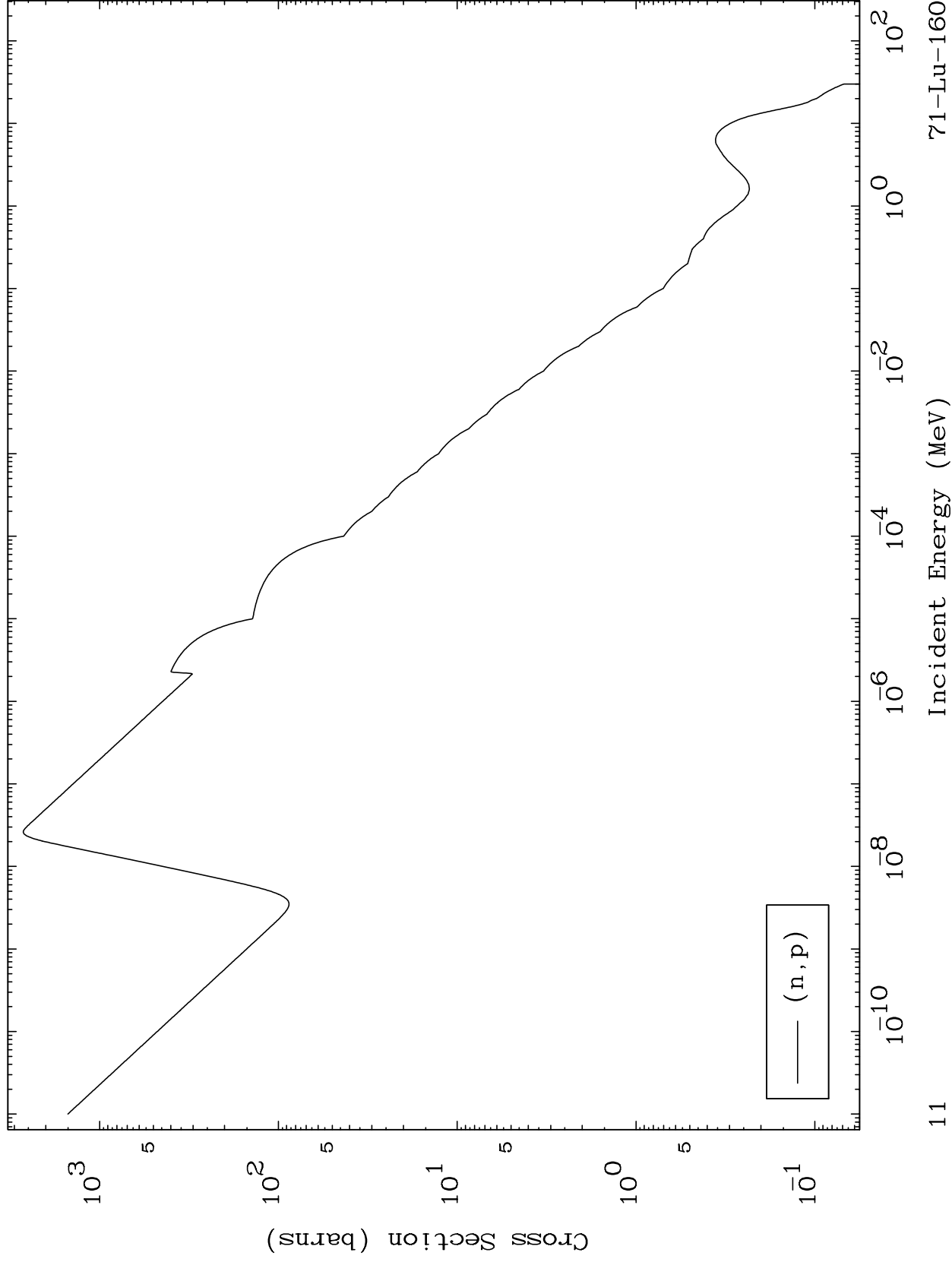
Incident Energy (MeV)

71-Lu-160

MAT 7080

(n,p) Levels
293 Kelvin Cross Sections

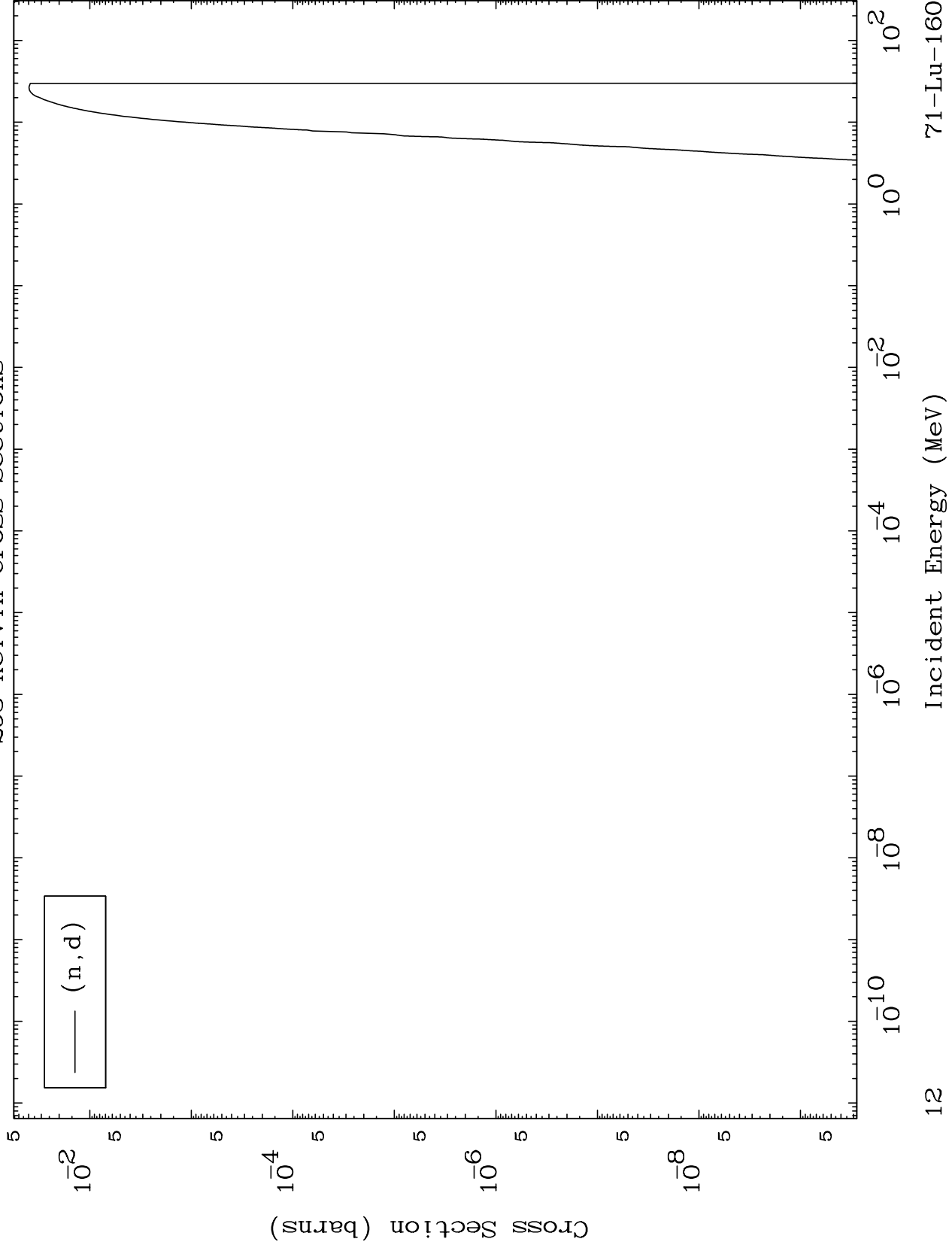
71-Lu-160



MAT 7080

(n,d) Levels
293 Kelvin Cross Sections

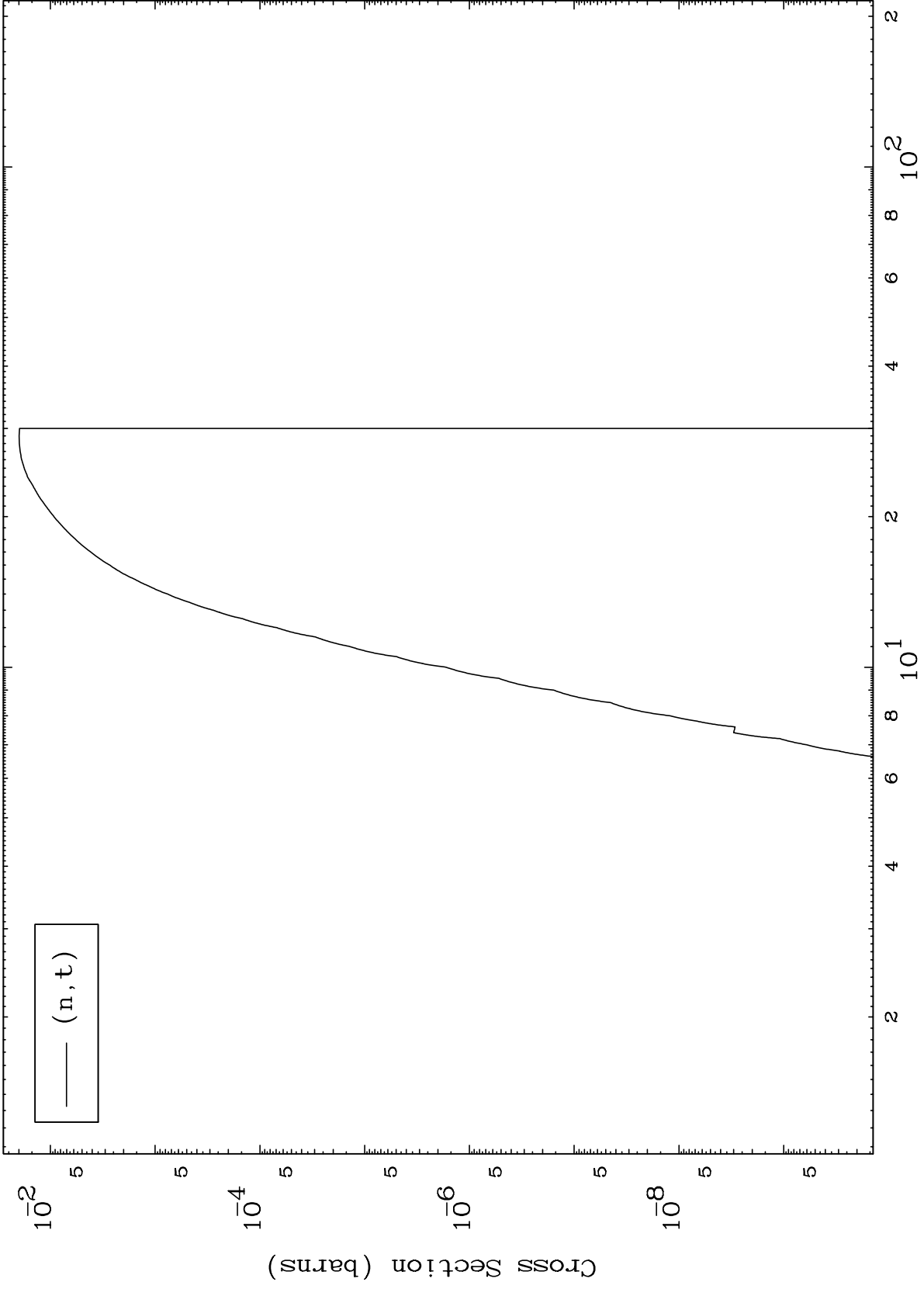
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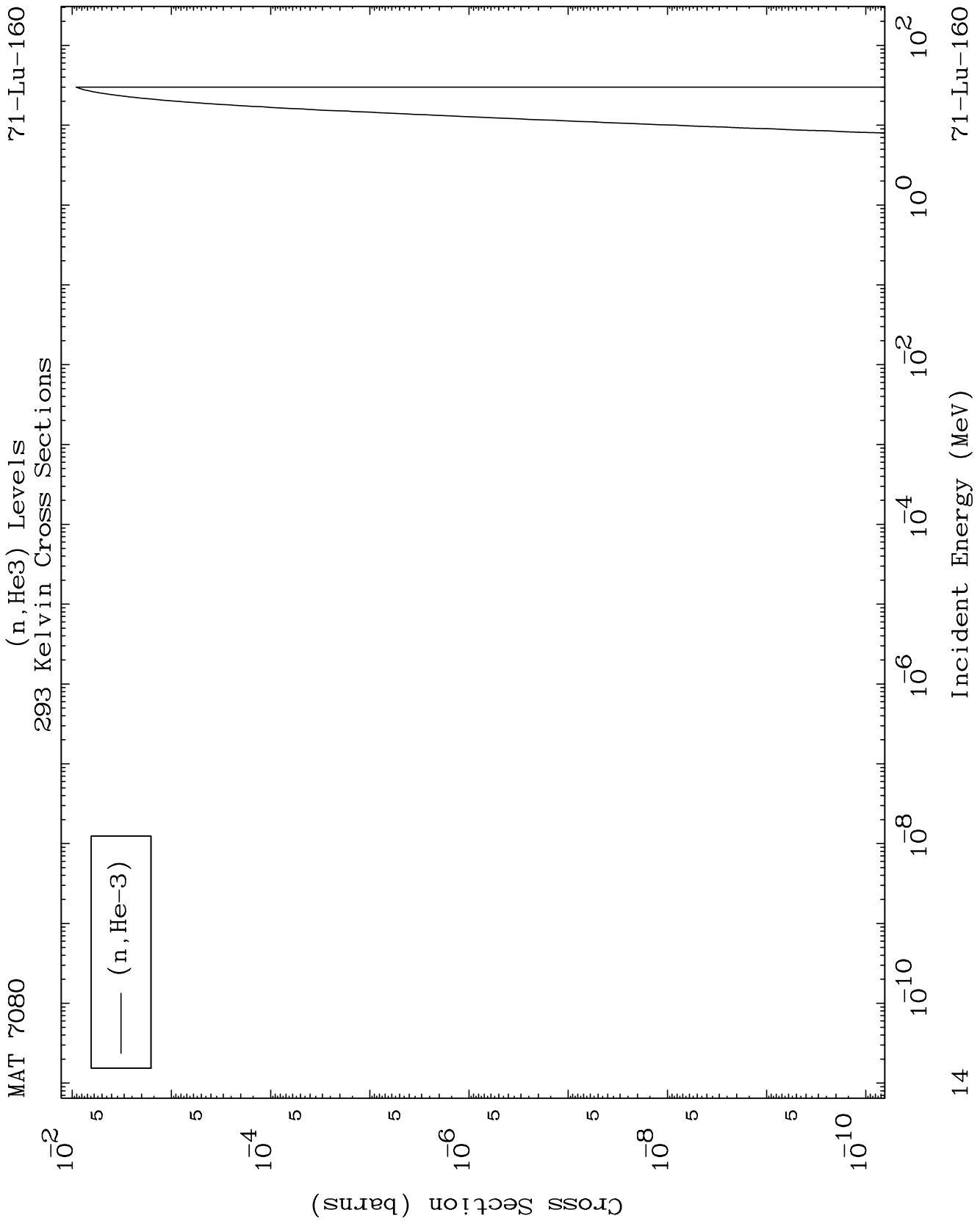


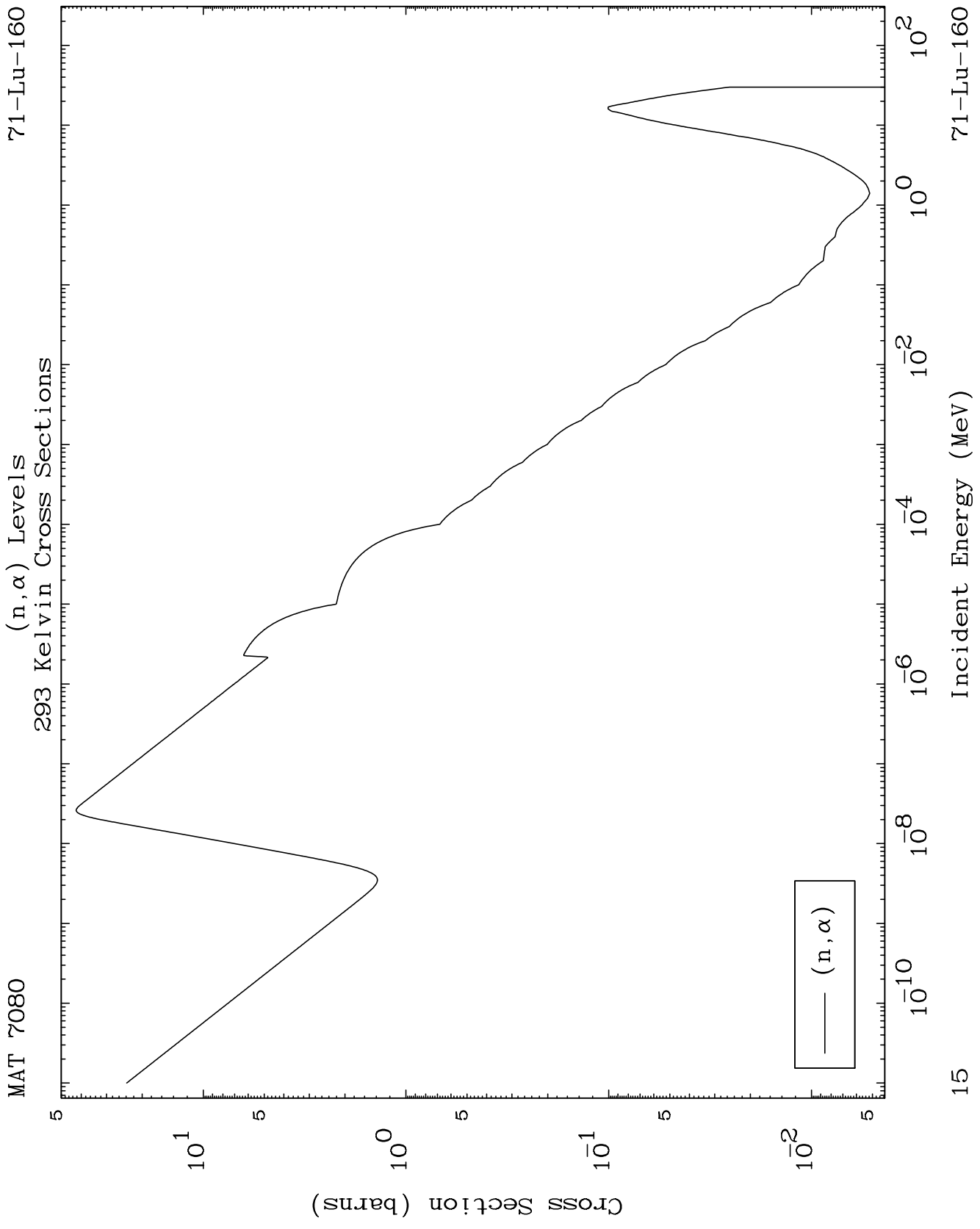
MAT 7080

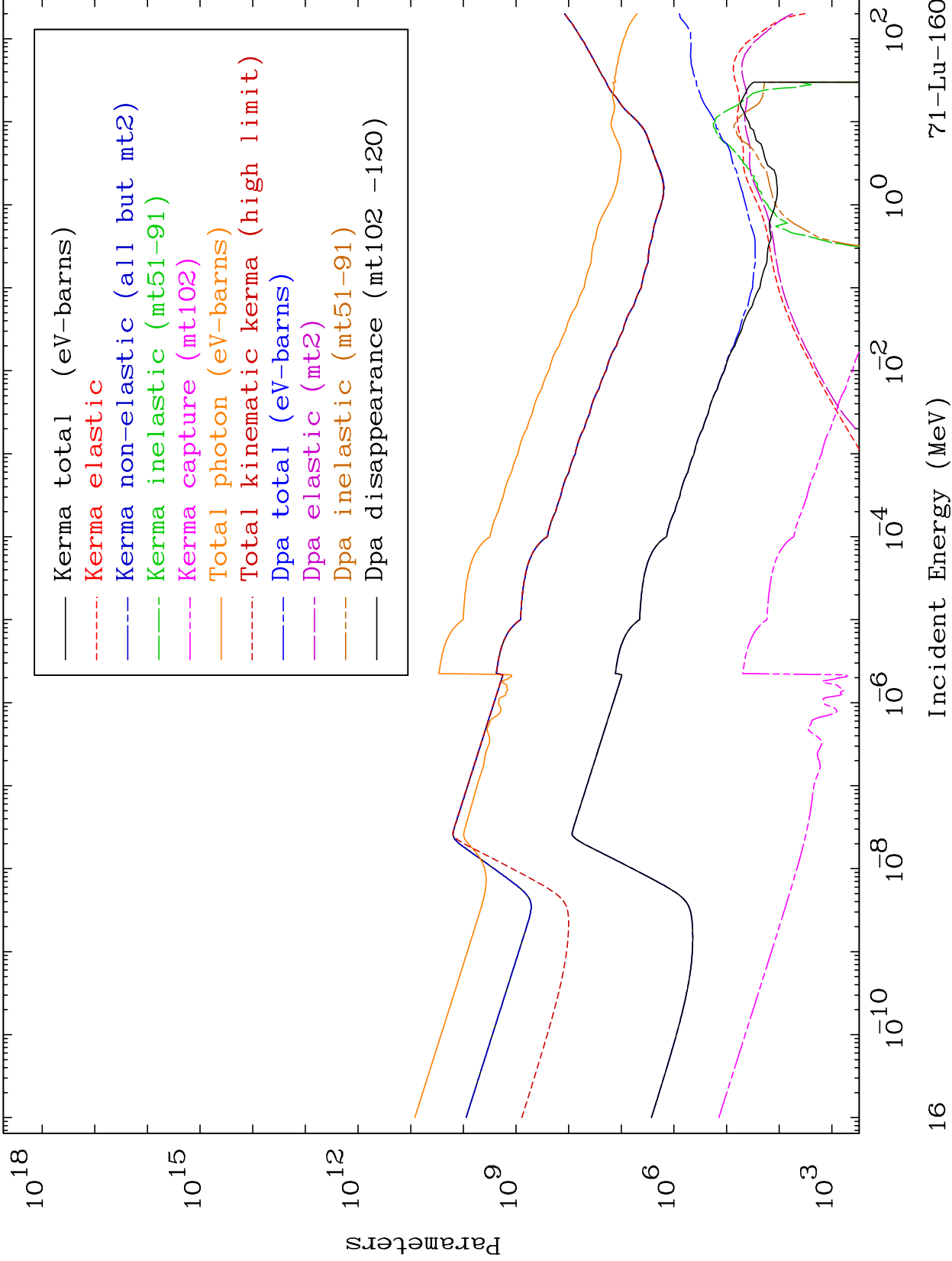
(n,t) Levels
293 Kelvin Cross Sections

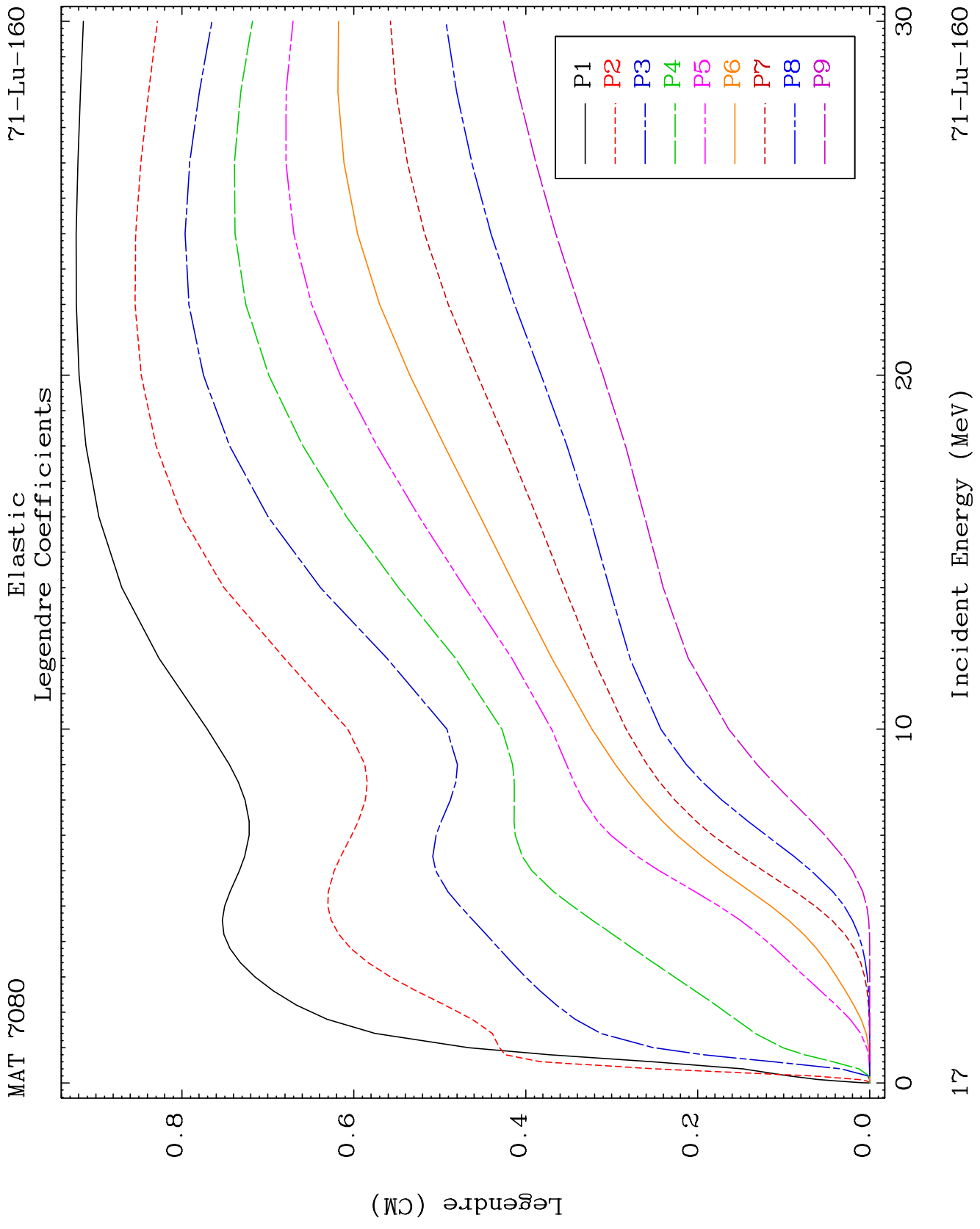
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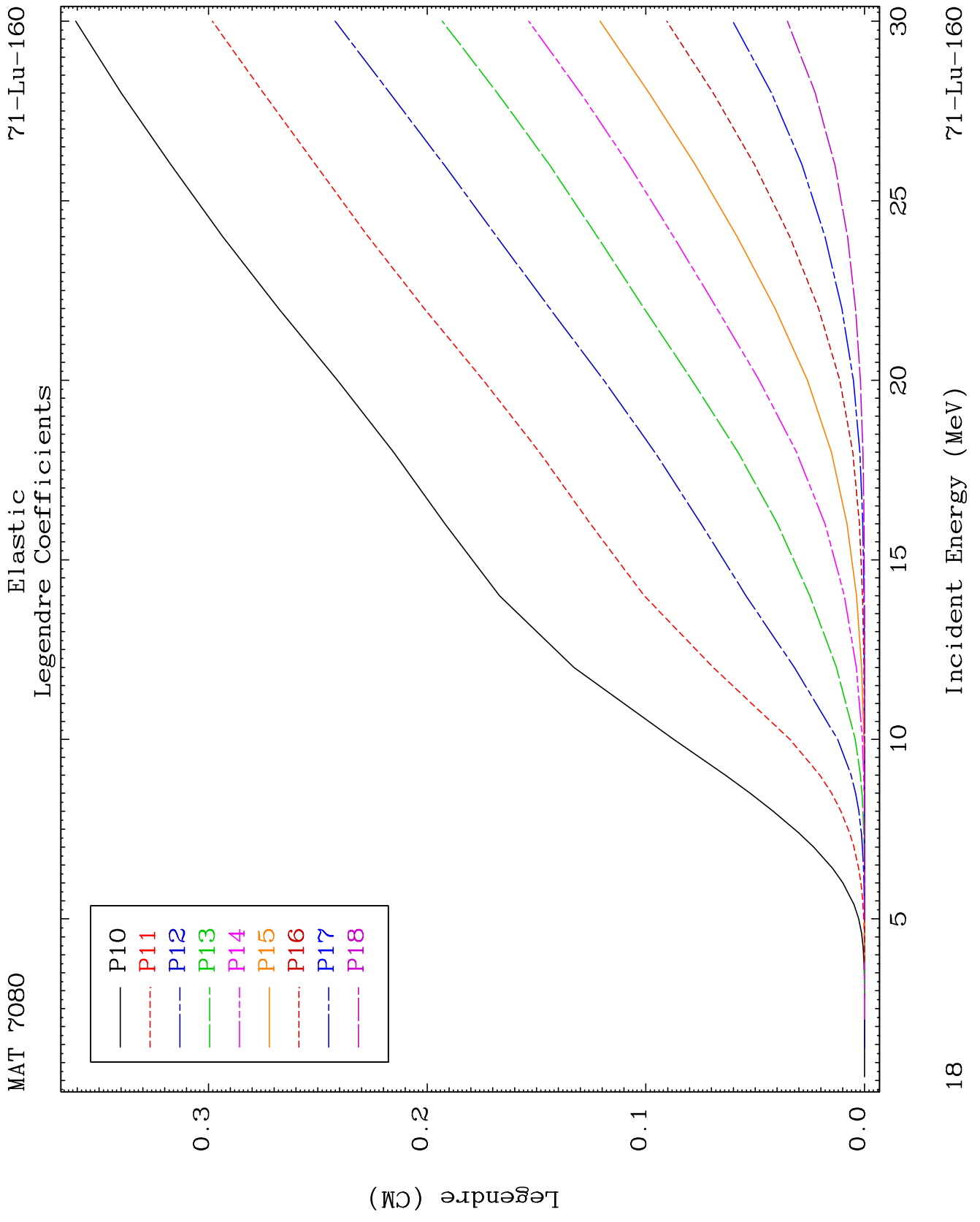








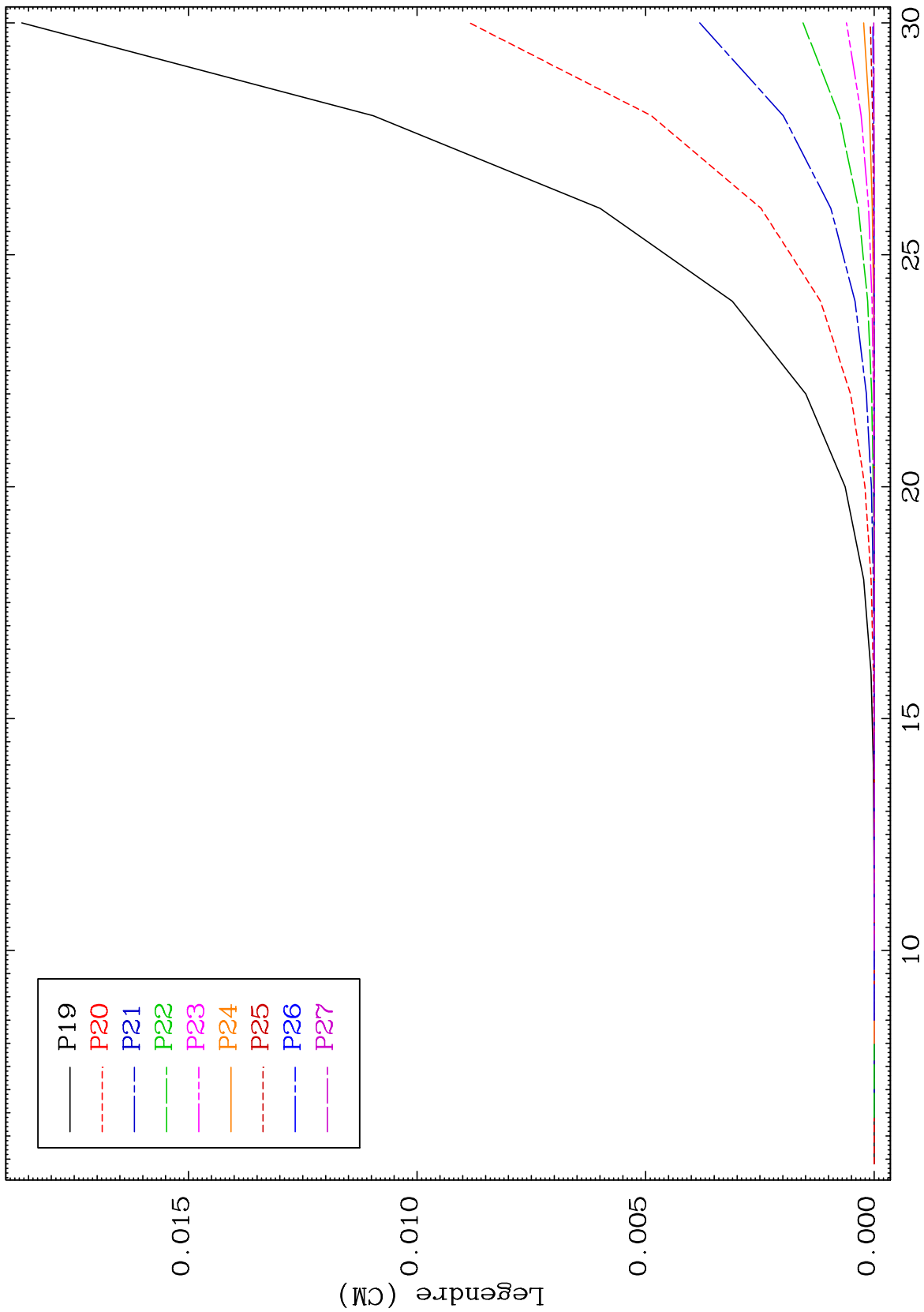




MAT 7080

Elastic Legendre Coefficients

71-Lu-160



19

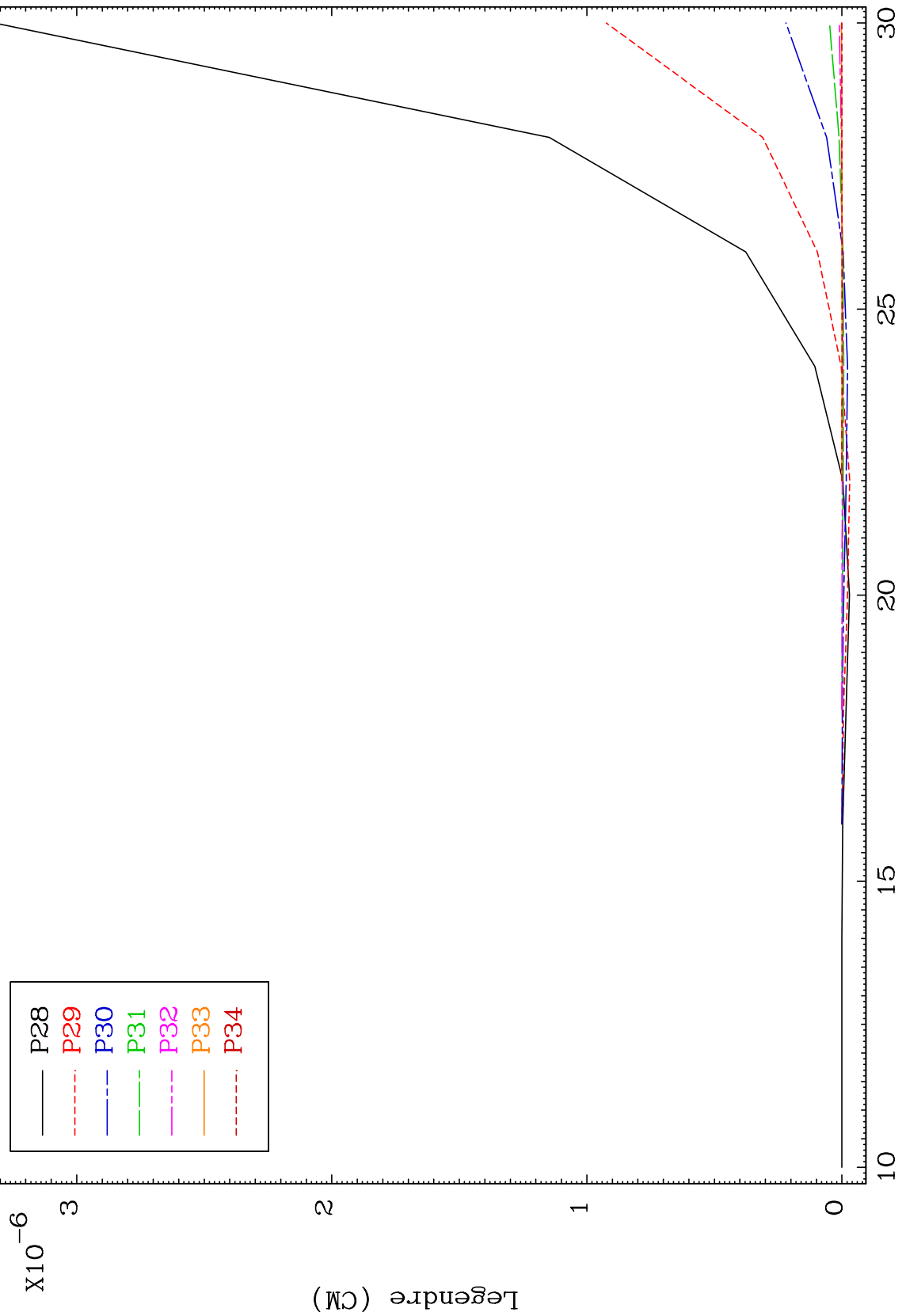
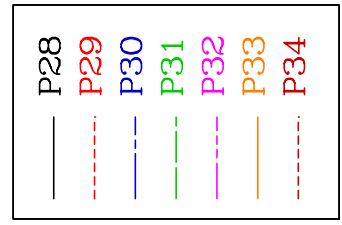
Incident Energy (MeV)

71-Lu-160

MAT 7080

Elastic Legendre Coefficients

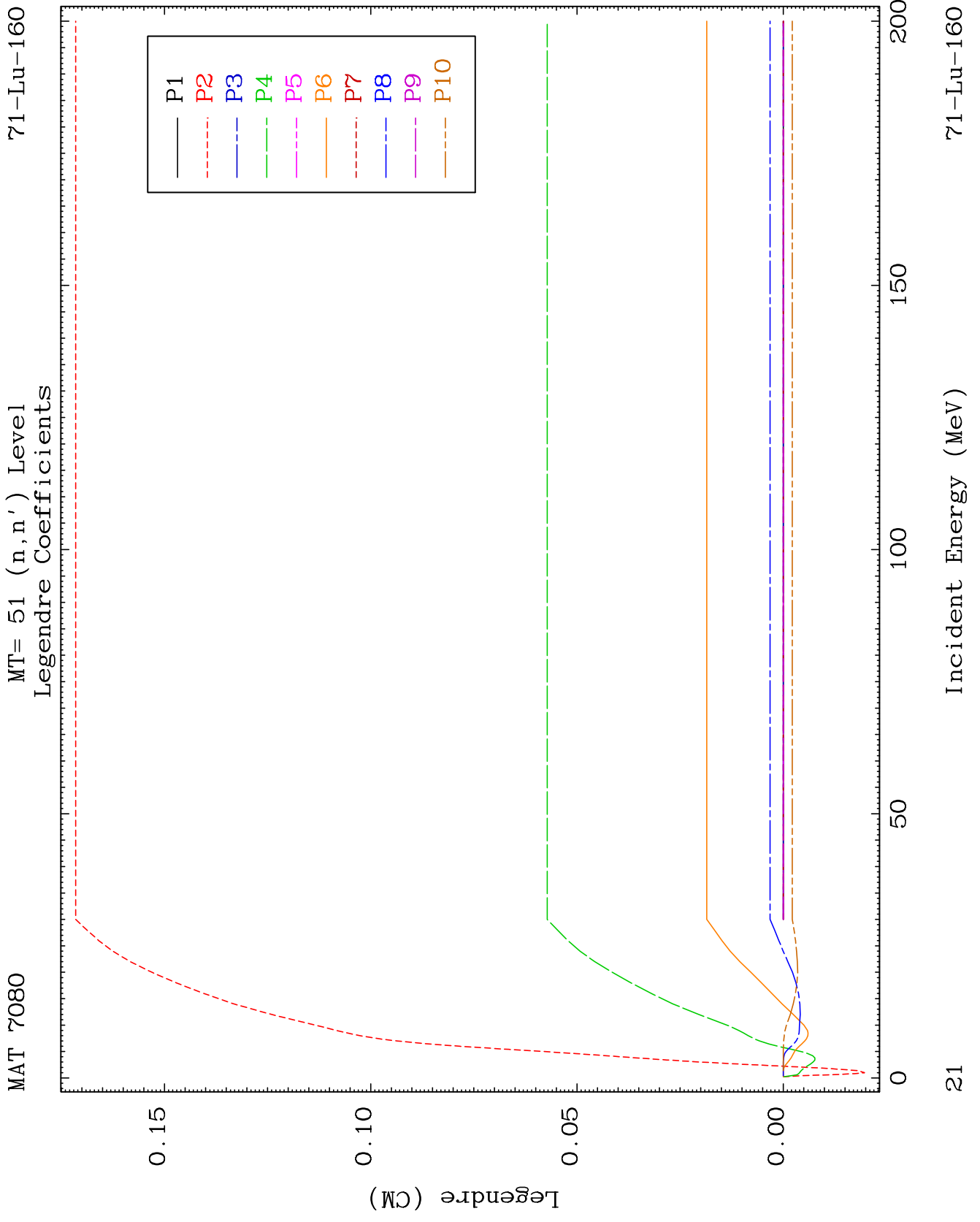
⁷¹Lu-160



⁷¹Lu-160

Incident Energy (MeV)

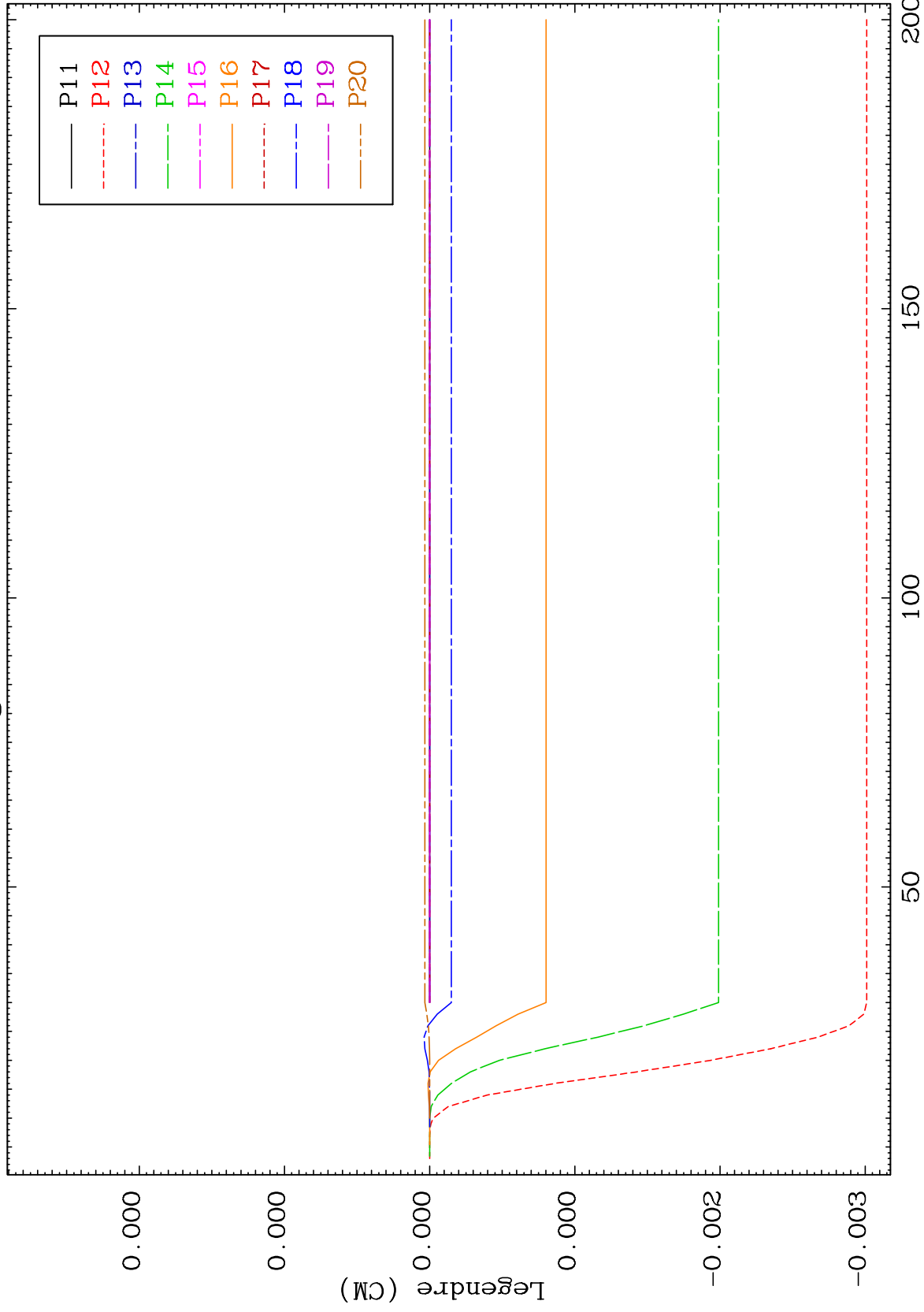
20



MAT 7080

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

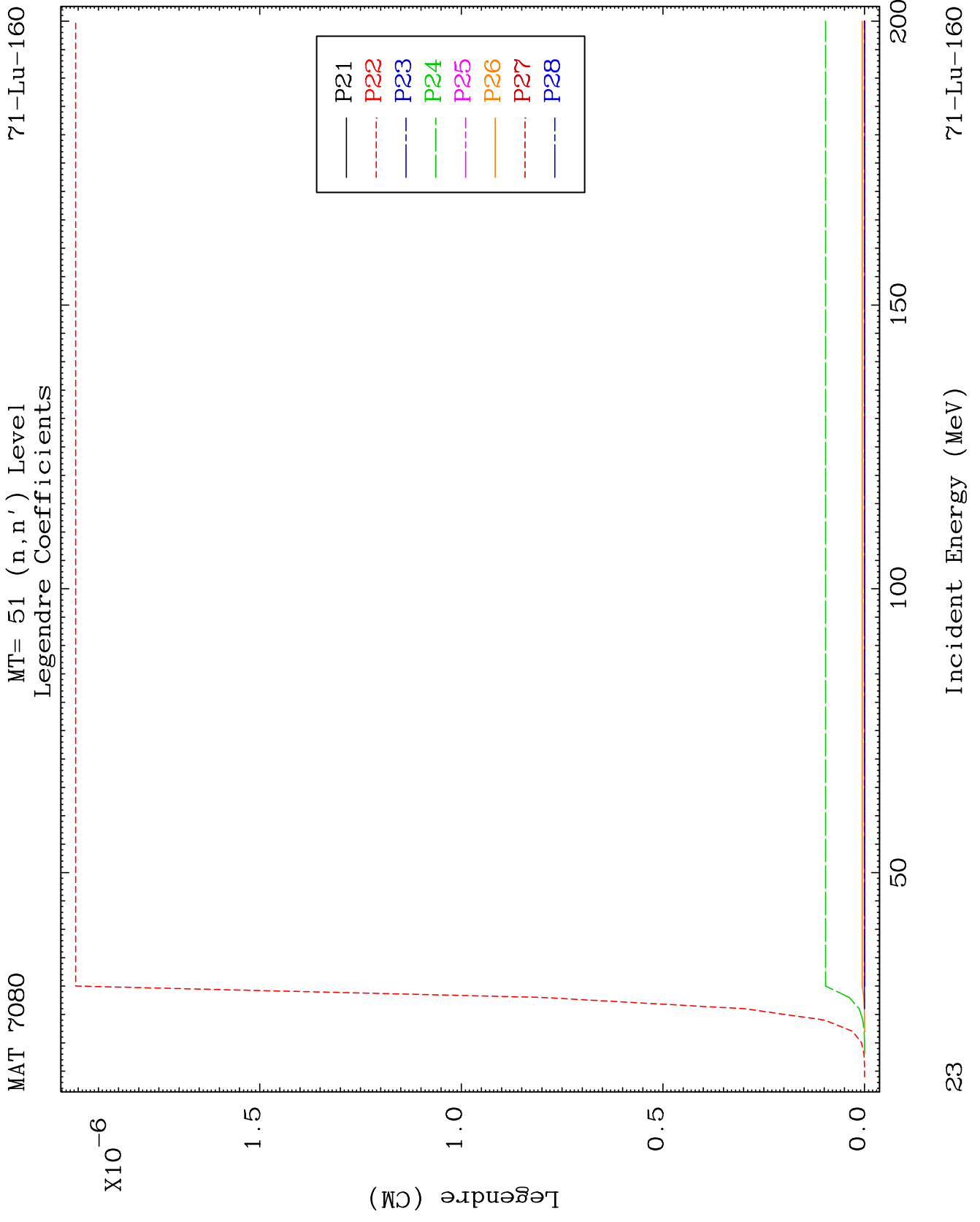
71-Lu-160



22

Incident Energy (MeV)

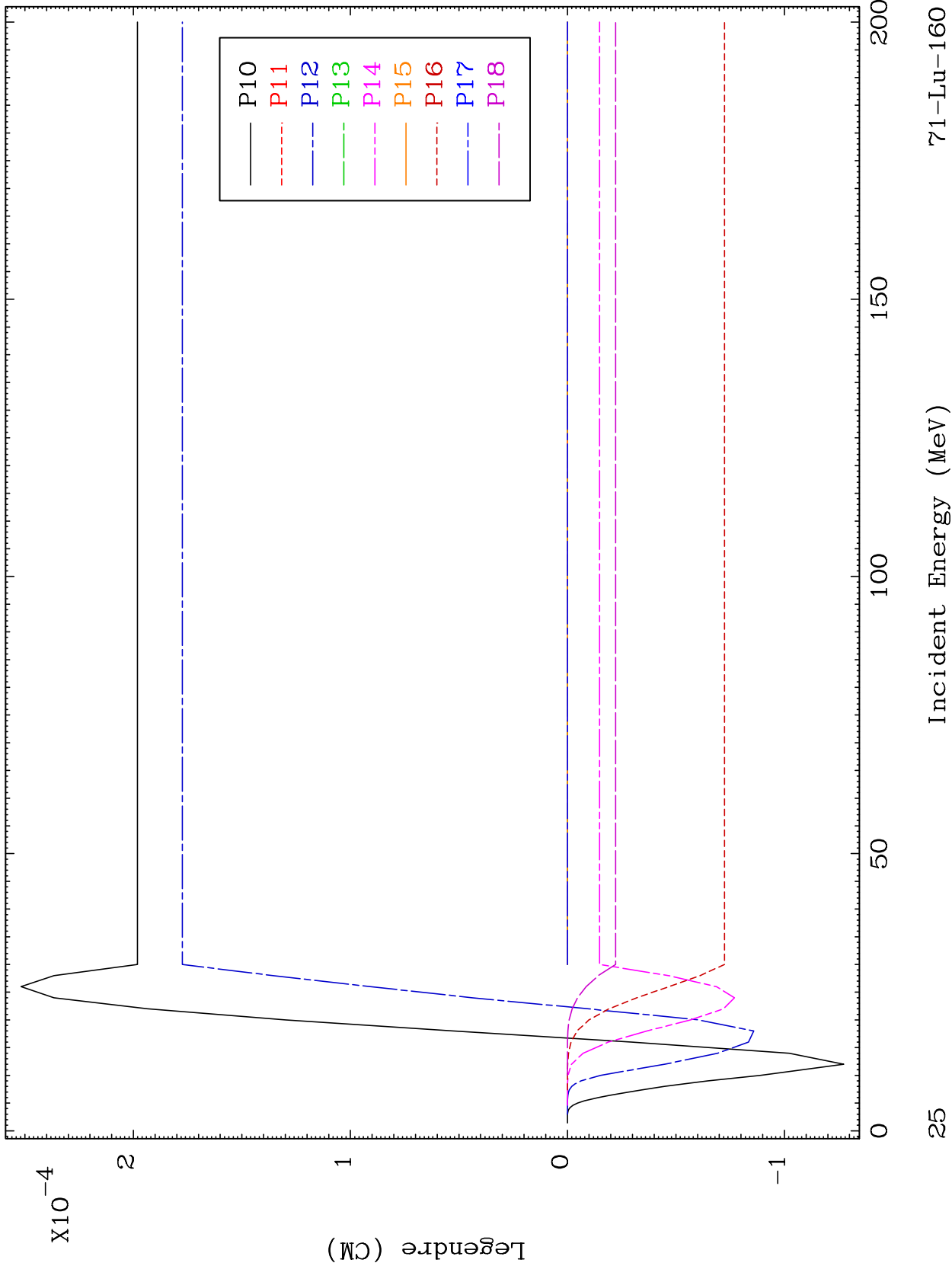
71-Lu-160



MAT 7080

MT= 52 (n,n') Level
Legendre Coefficients

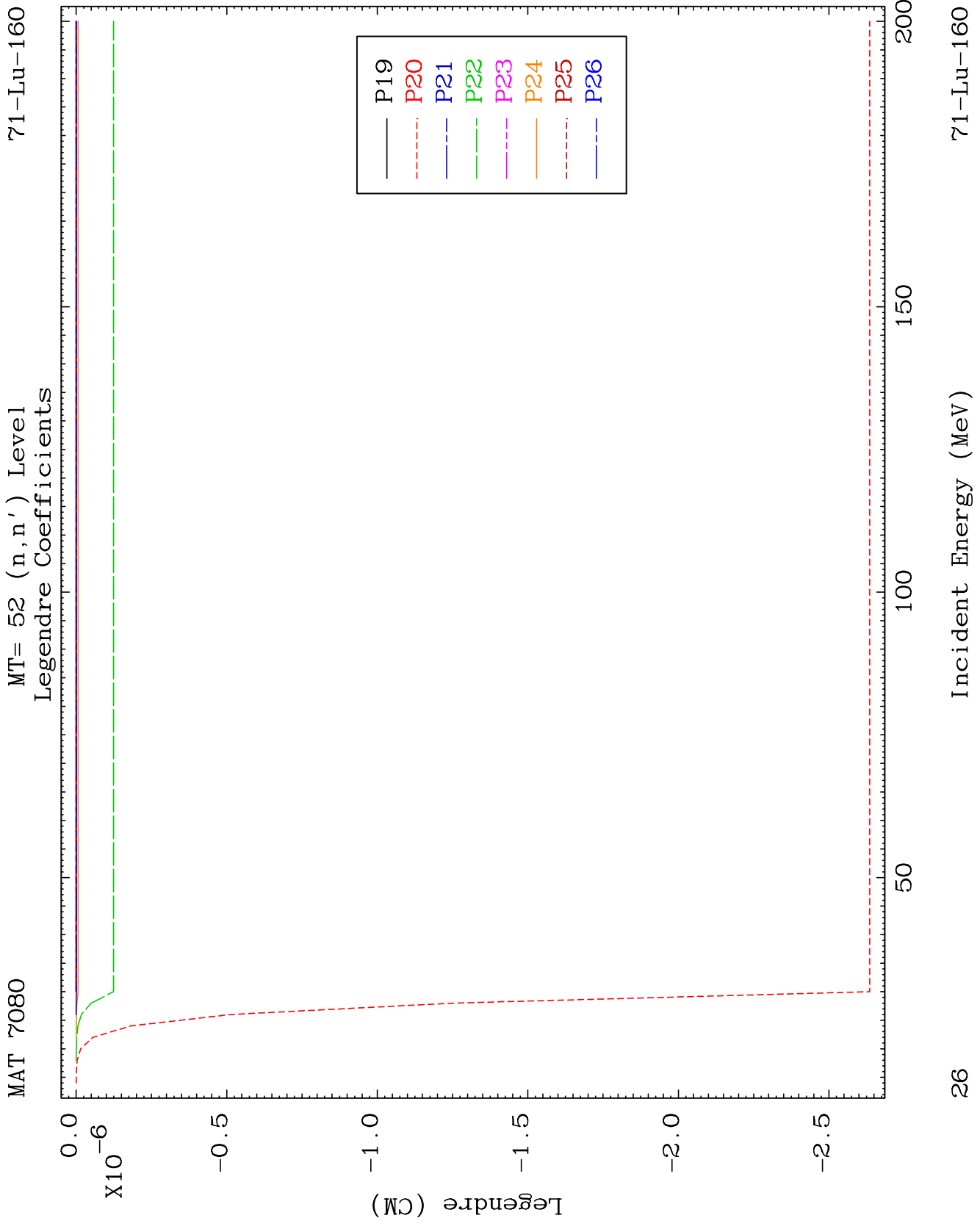
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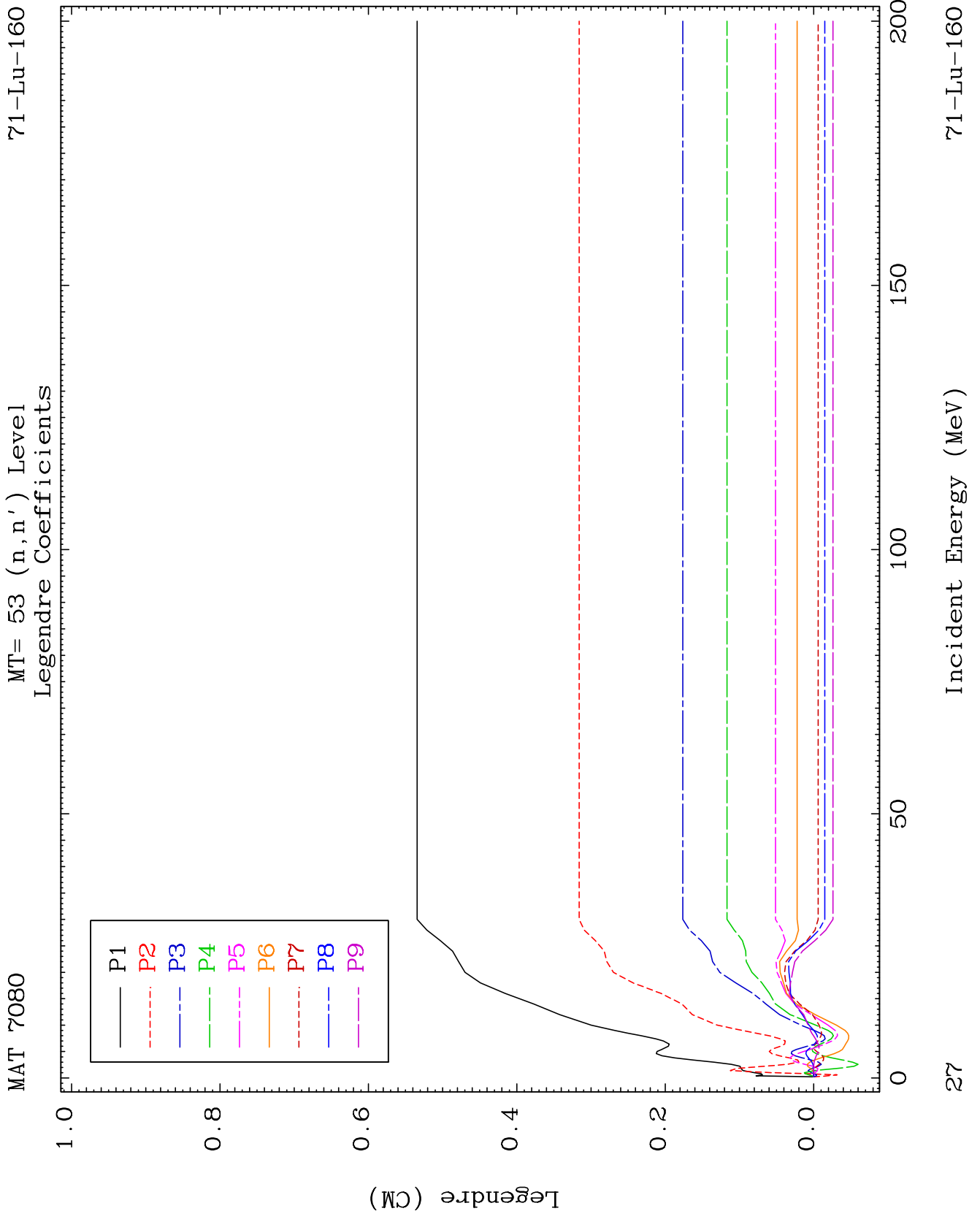


71-Lu-160

Incident Energy (MeV)

25

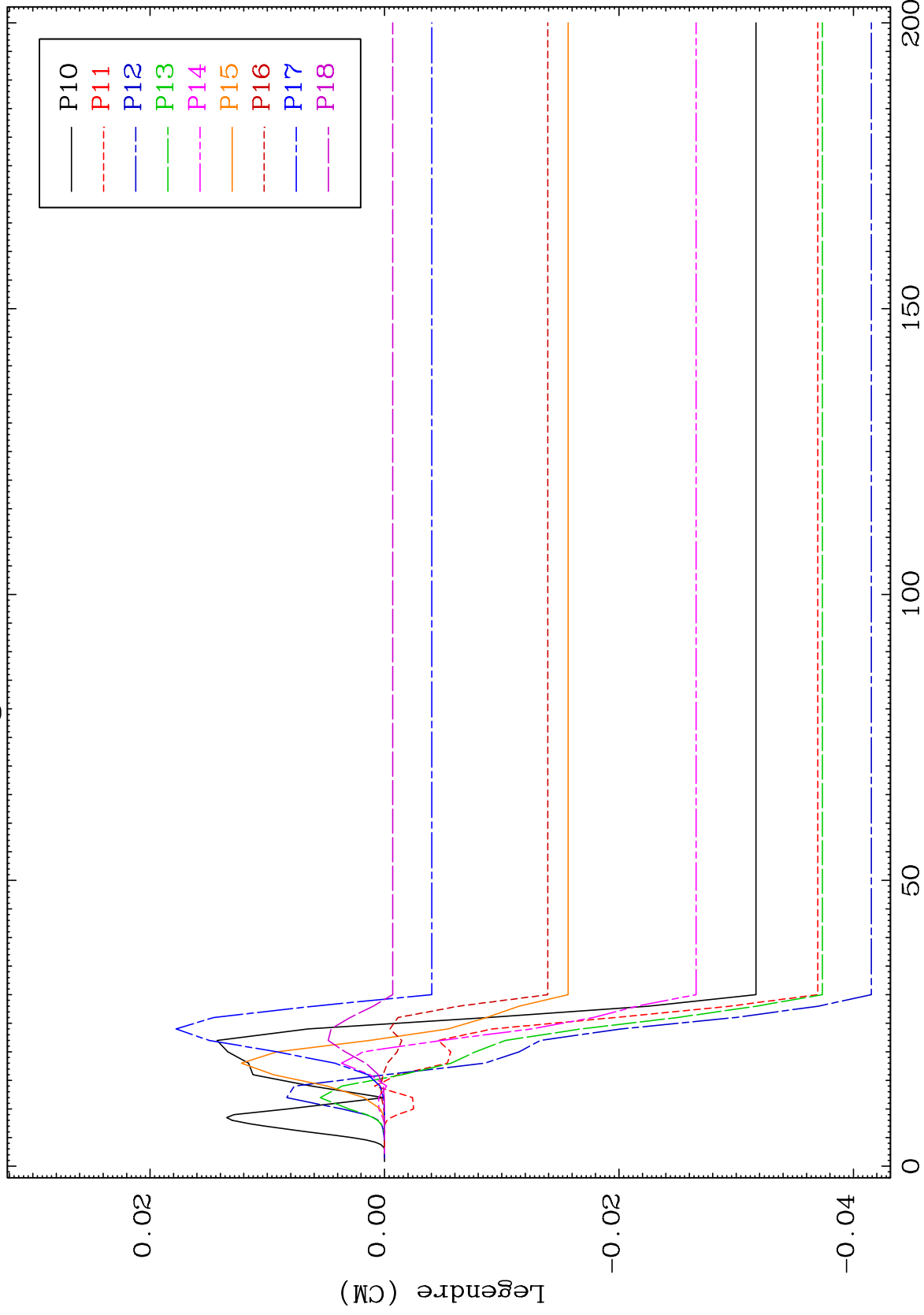




MAT 7080

MT= 53 (n,n') Level
Legendre Coefficients

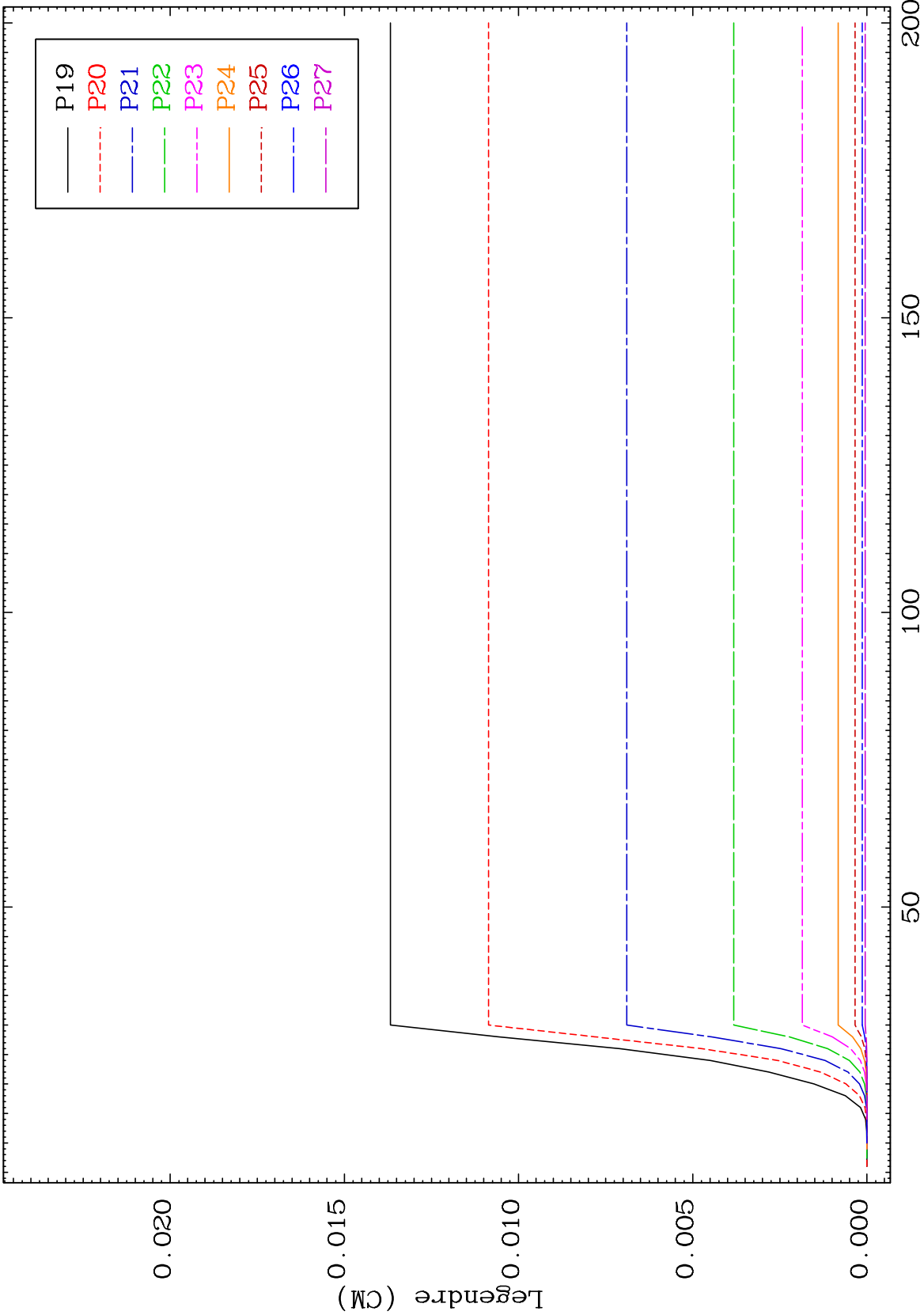
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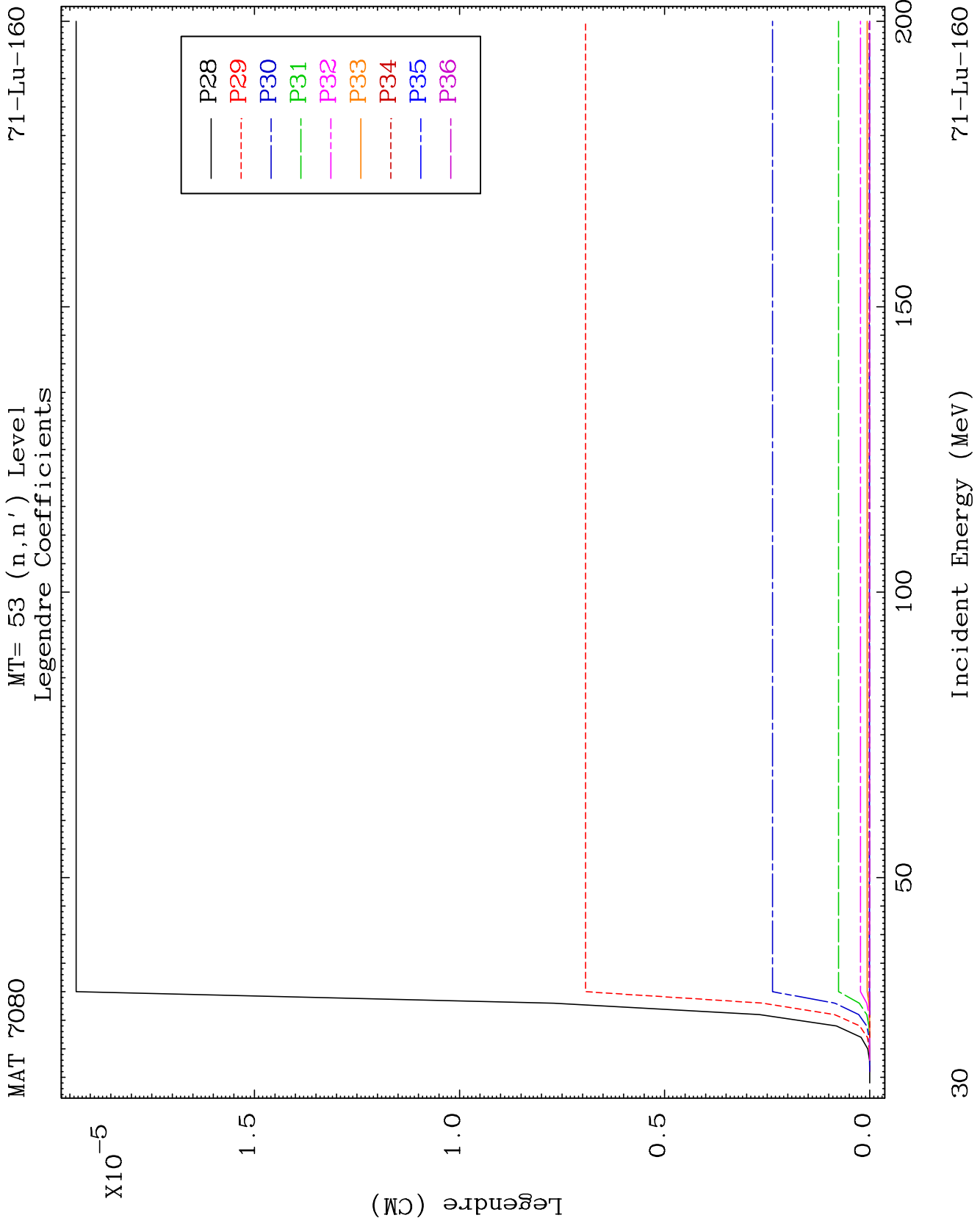


28

Incident Energy (MeV)

71-Lu-160

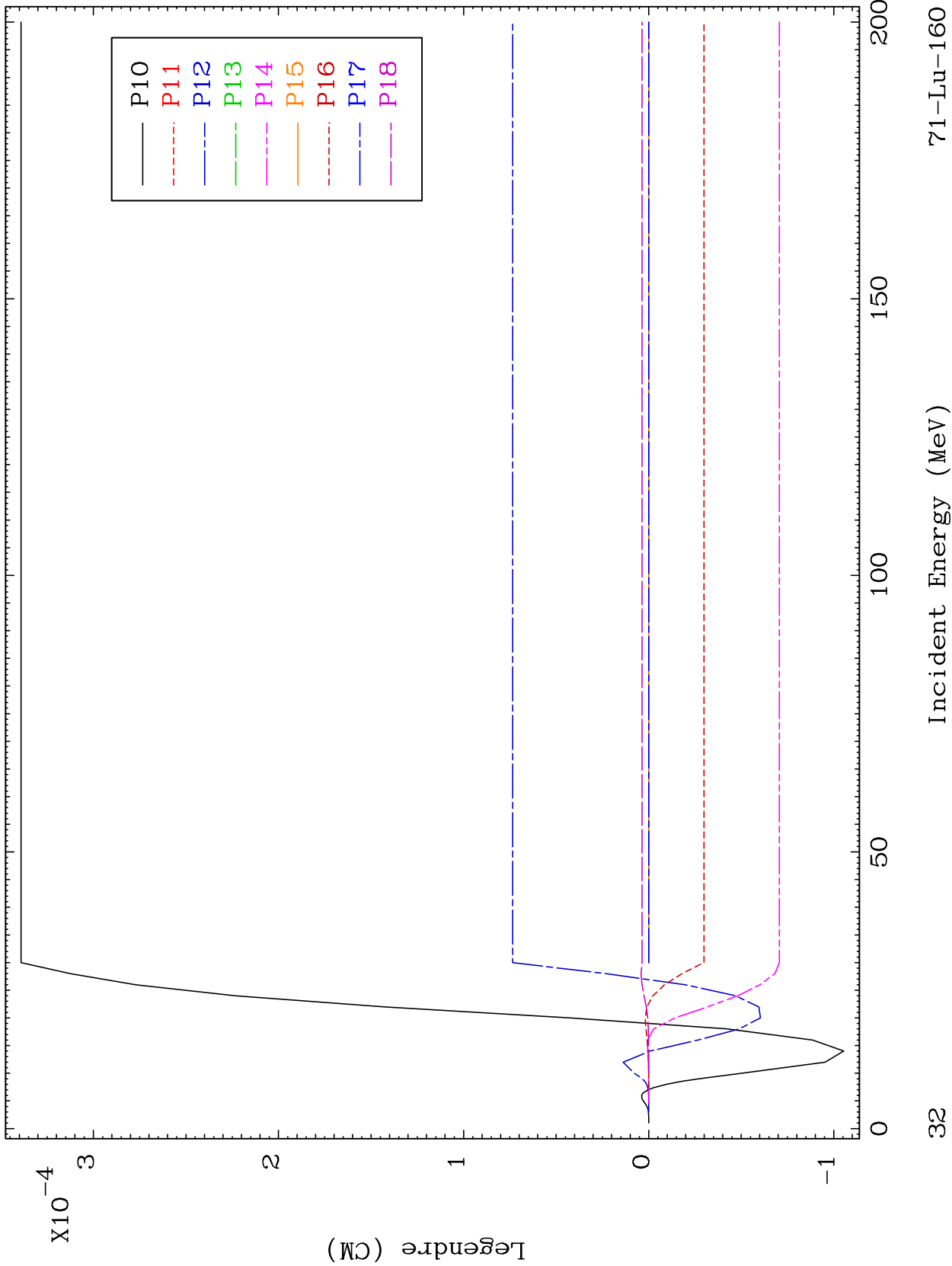




MAT 7080

MT= 54 (n,n') Level
Legendre Coefficients

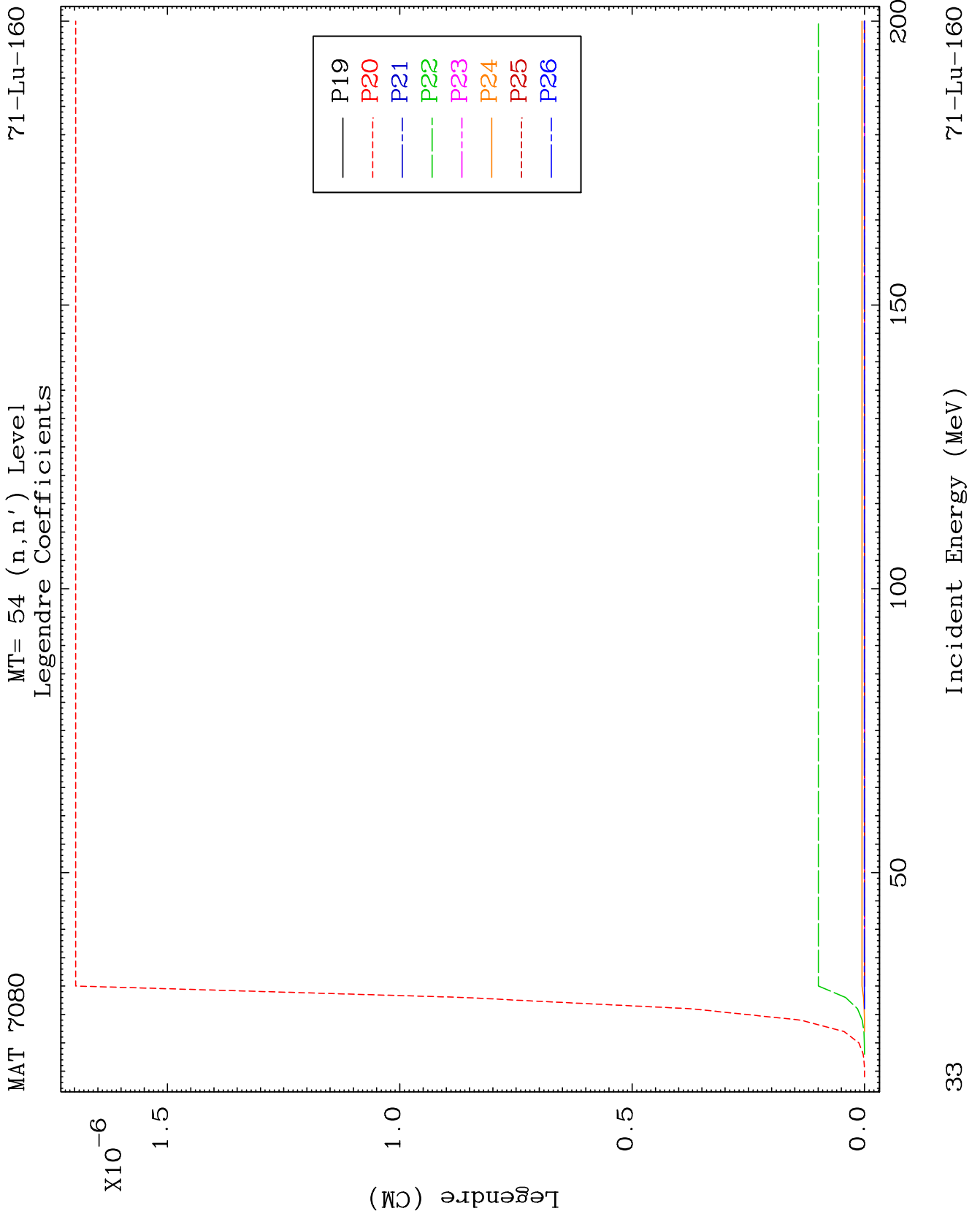
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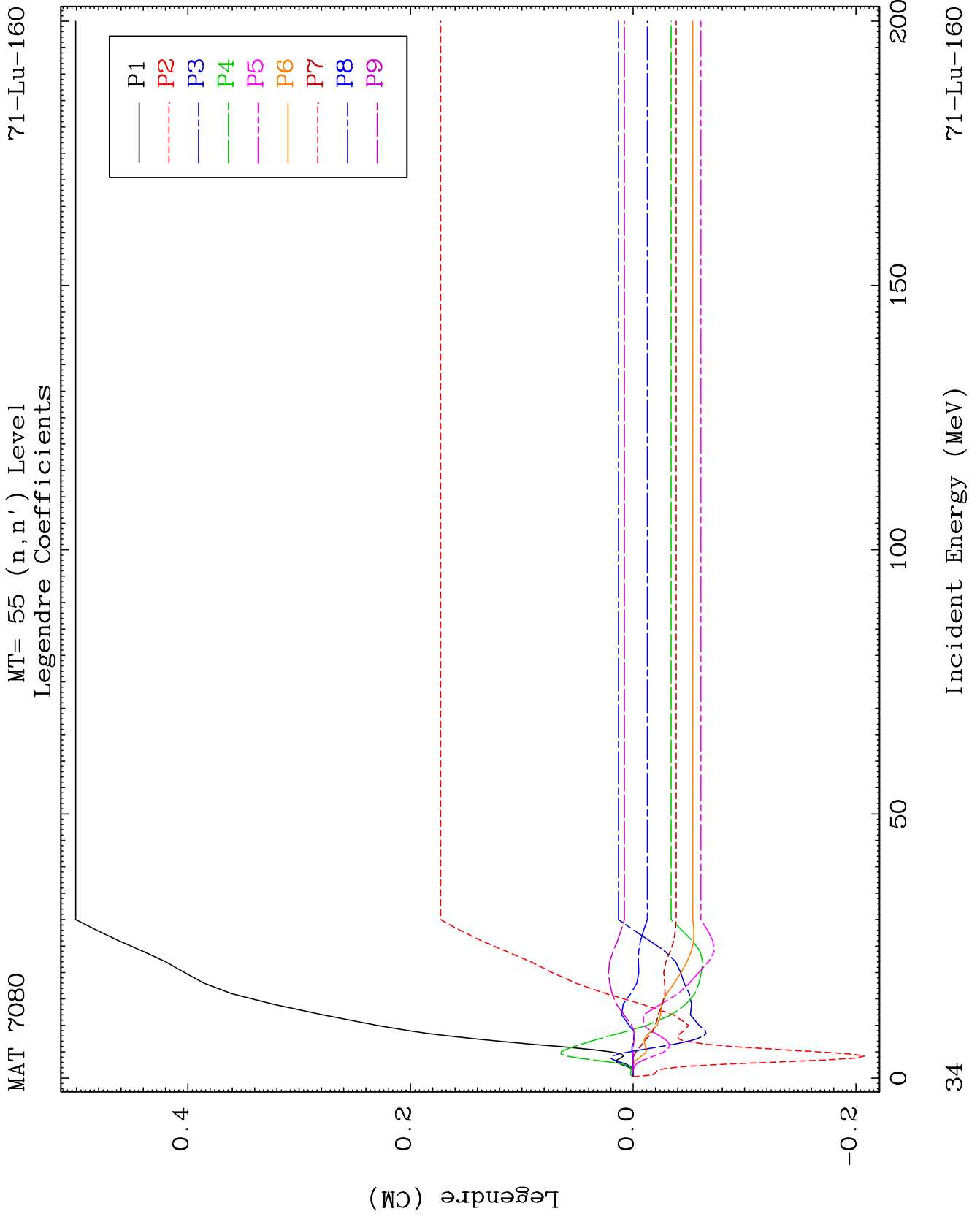


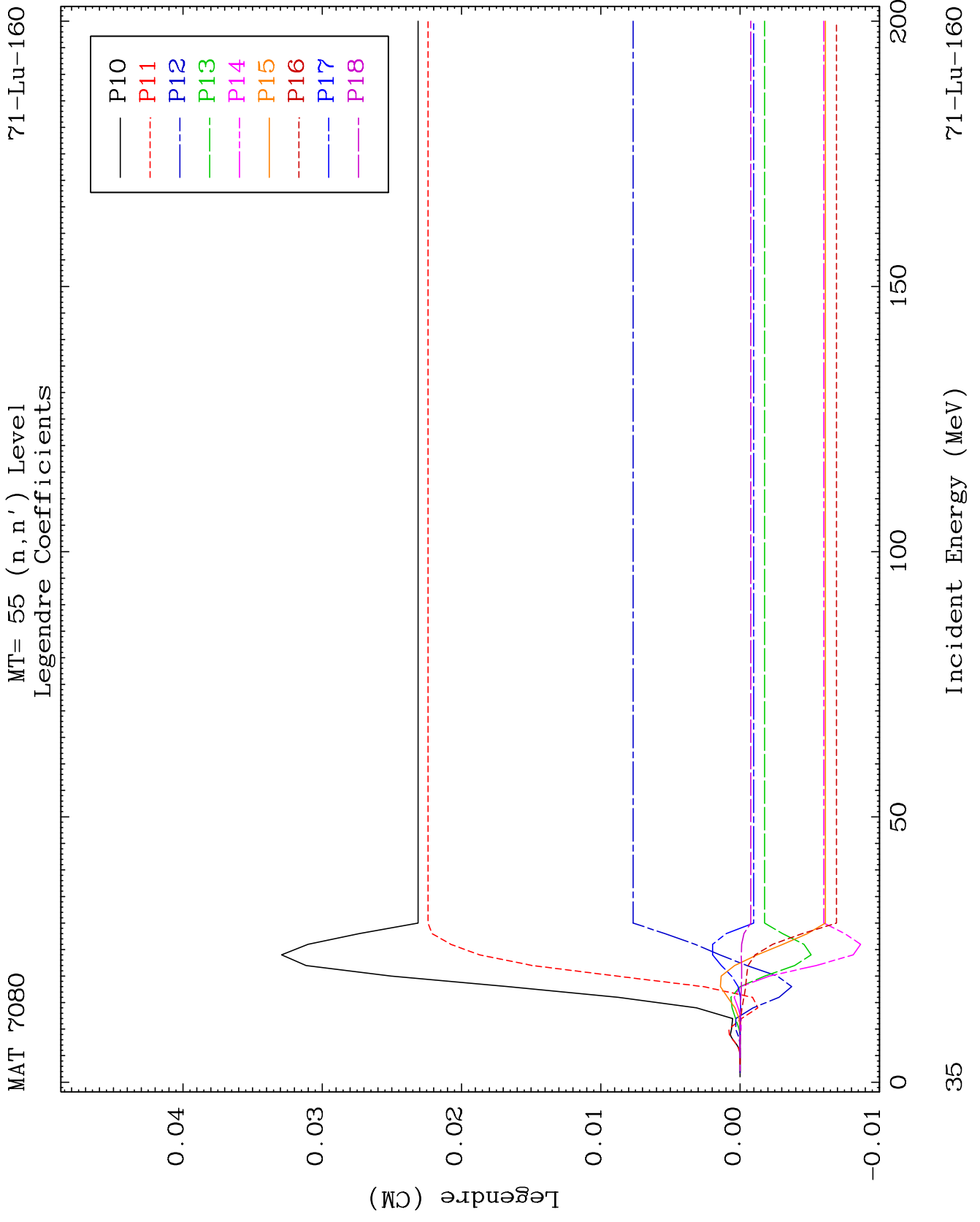
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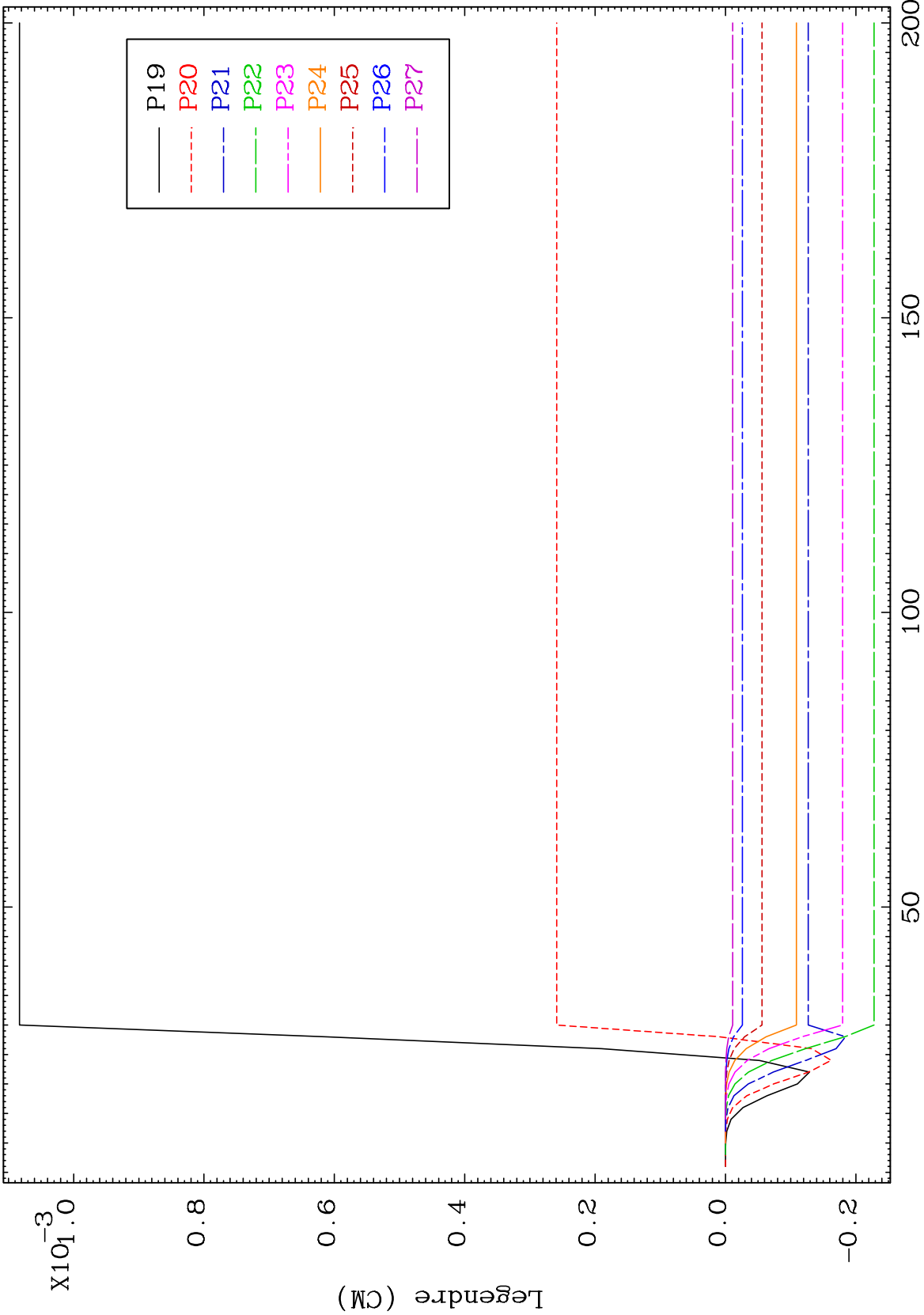
Incident Energy (MeV)

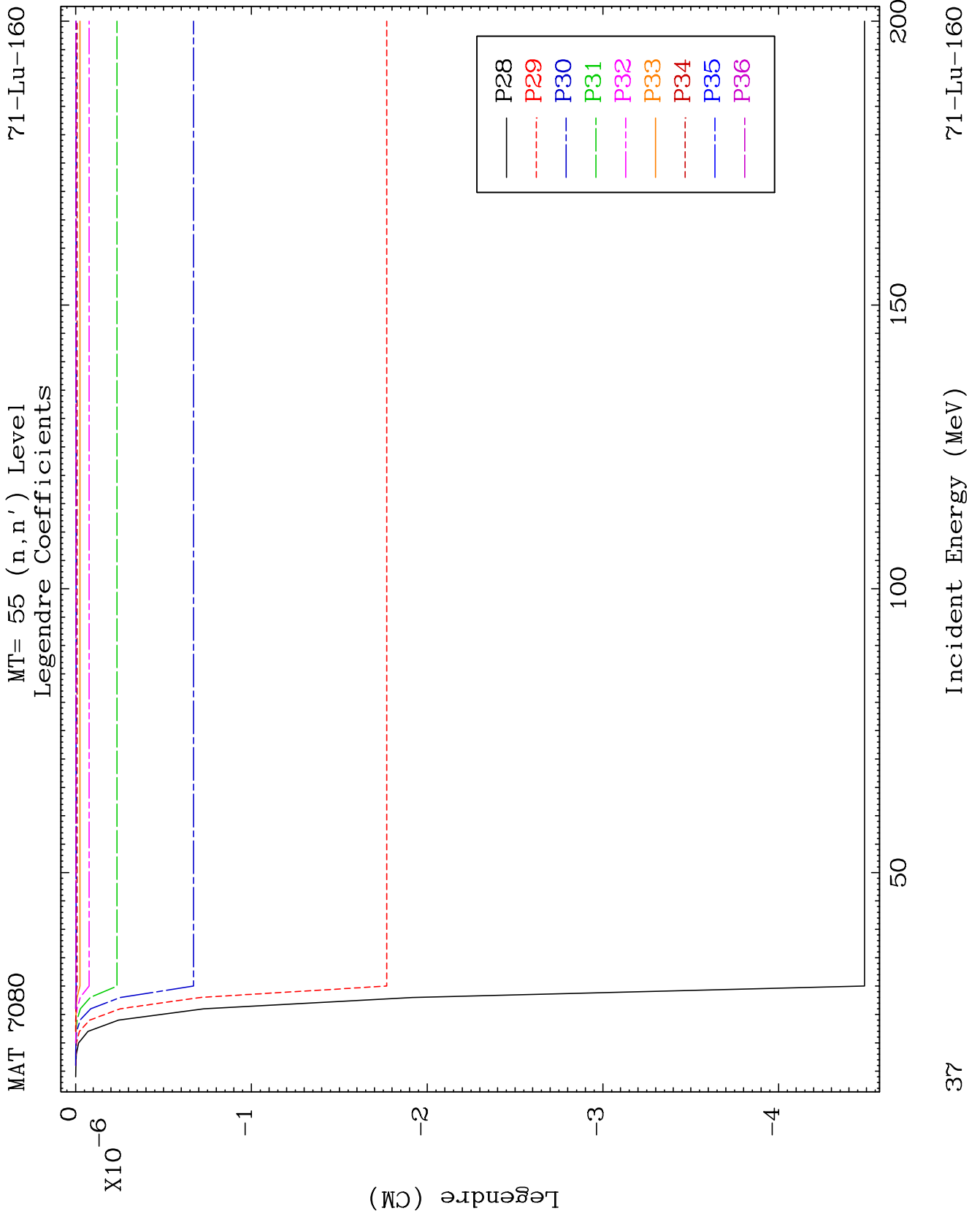
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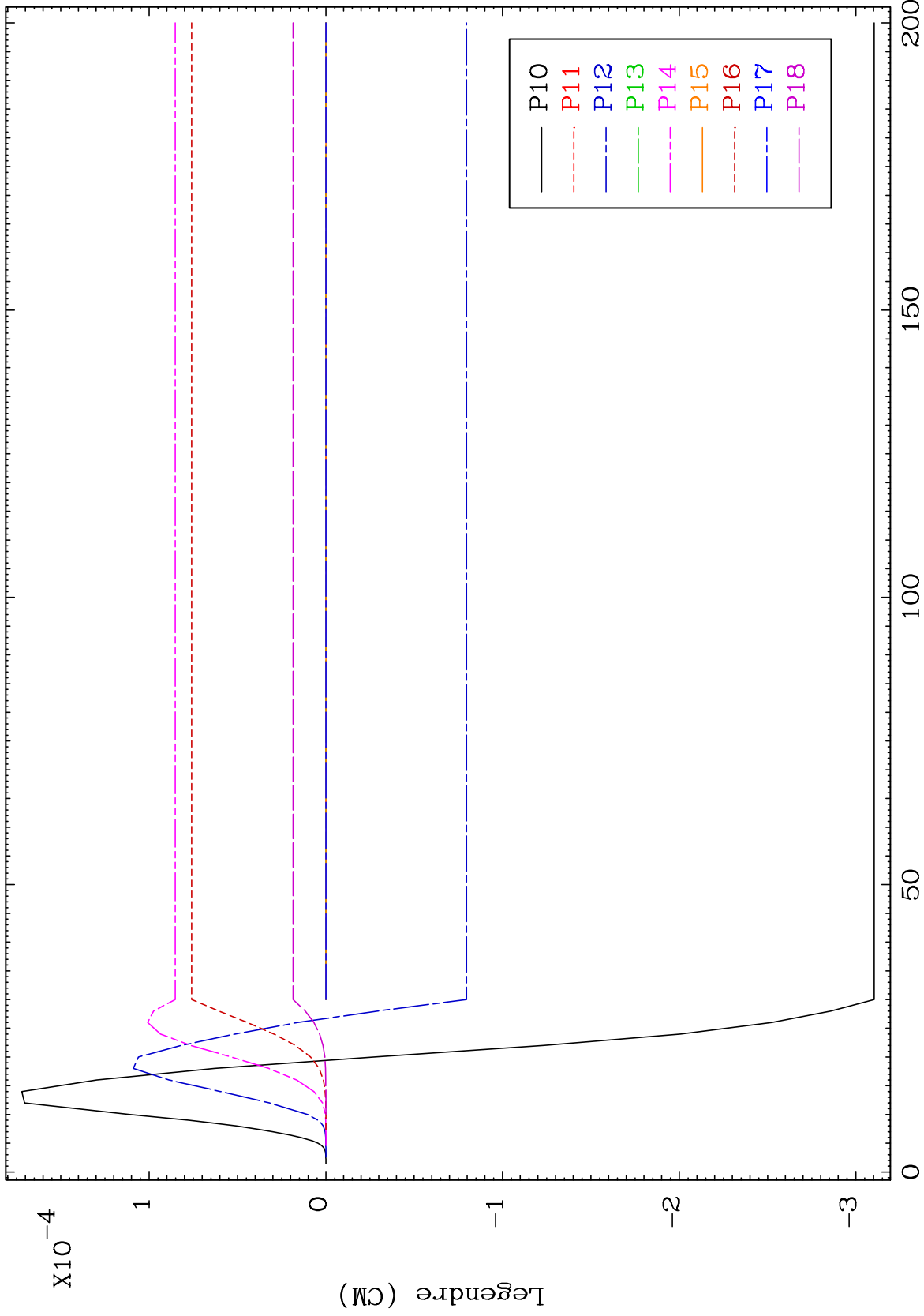




MAT 7080

MT= 56 (n,n') Level
Legendre Coefficients

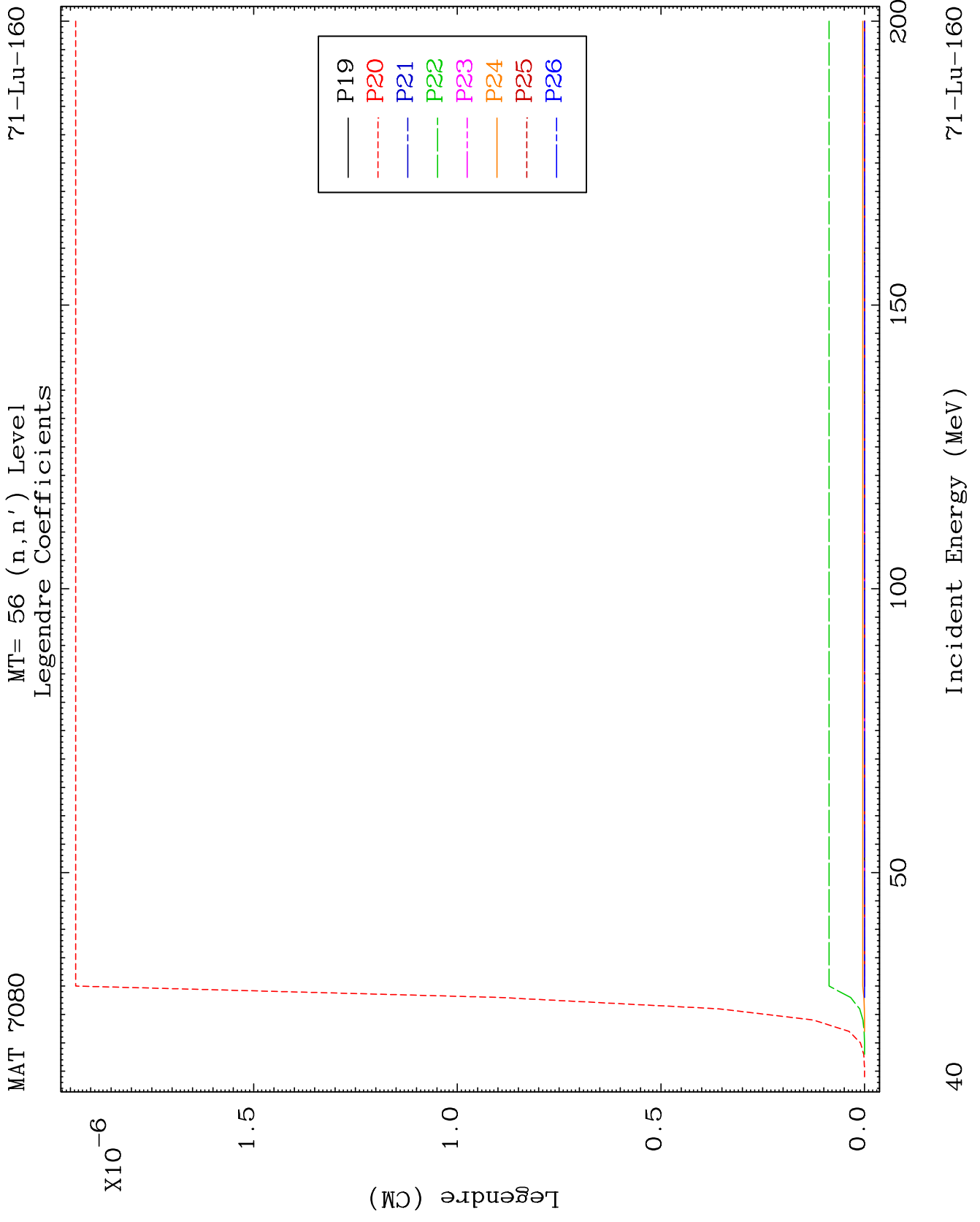
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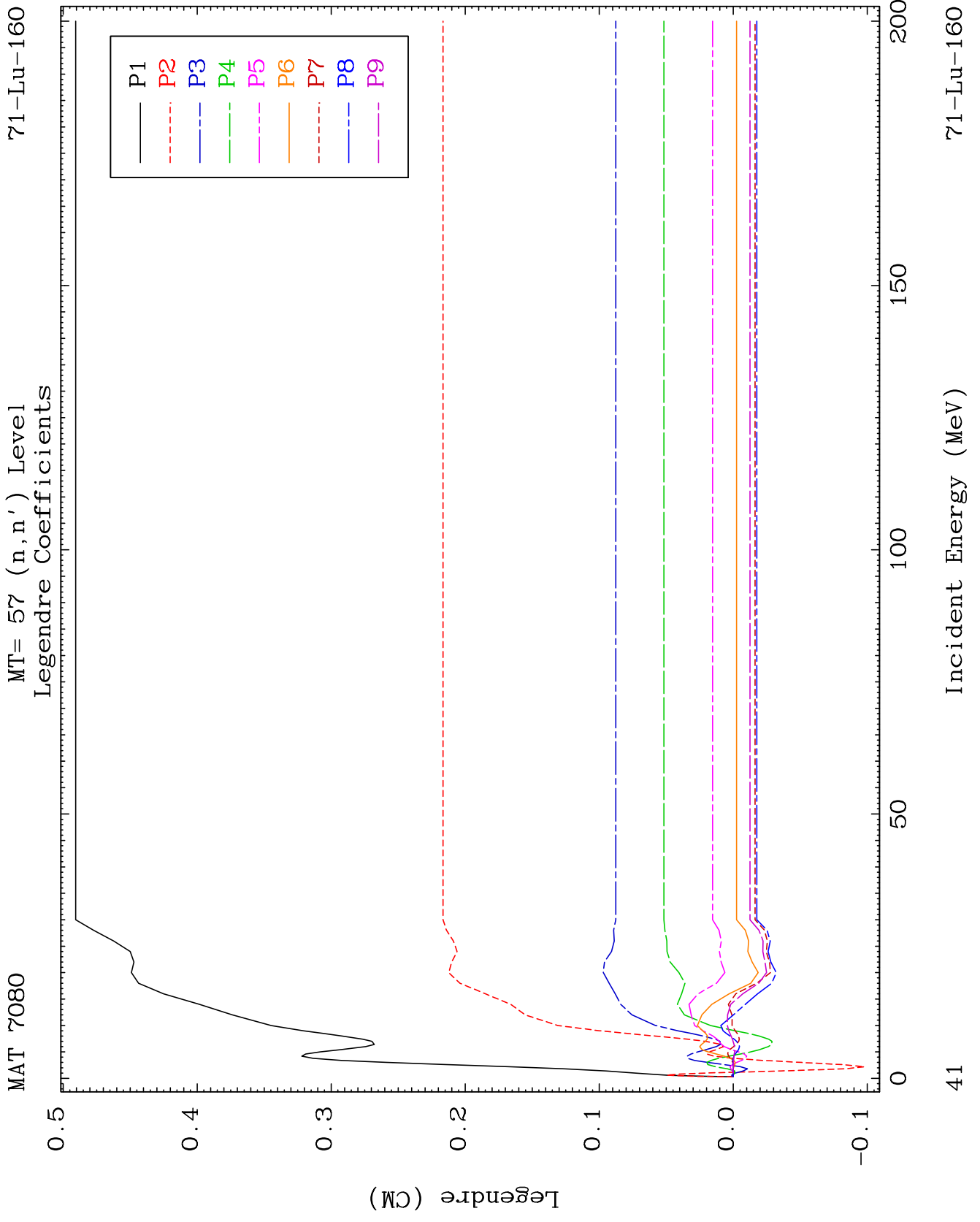


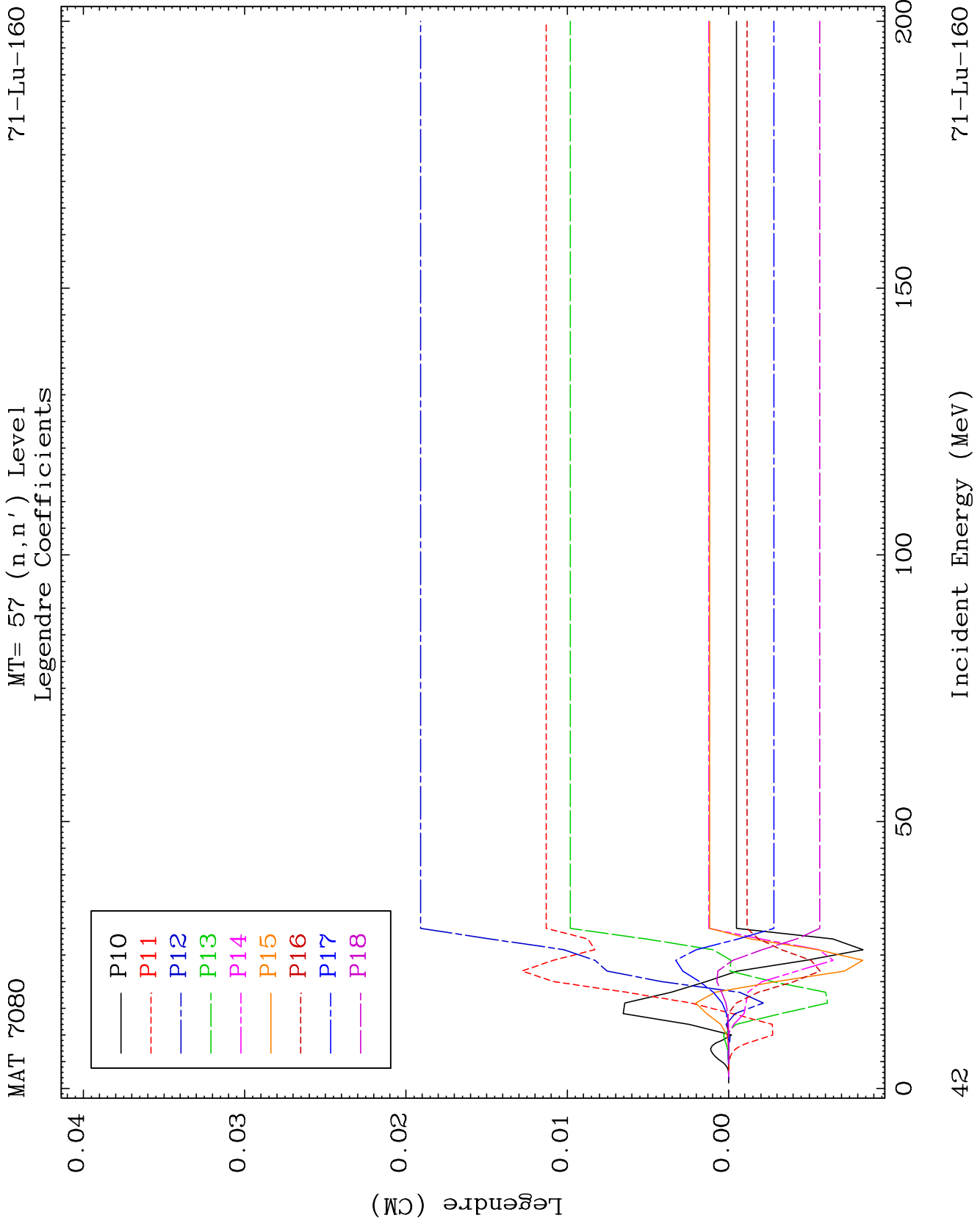
39

Incident Energy (MeV)

71-Lu-160



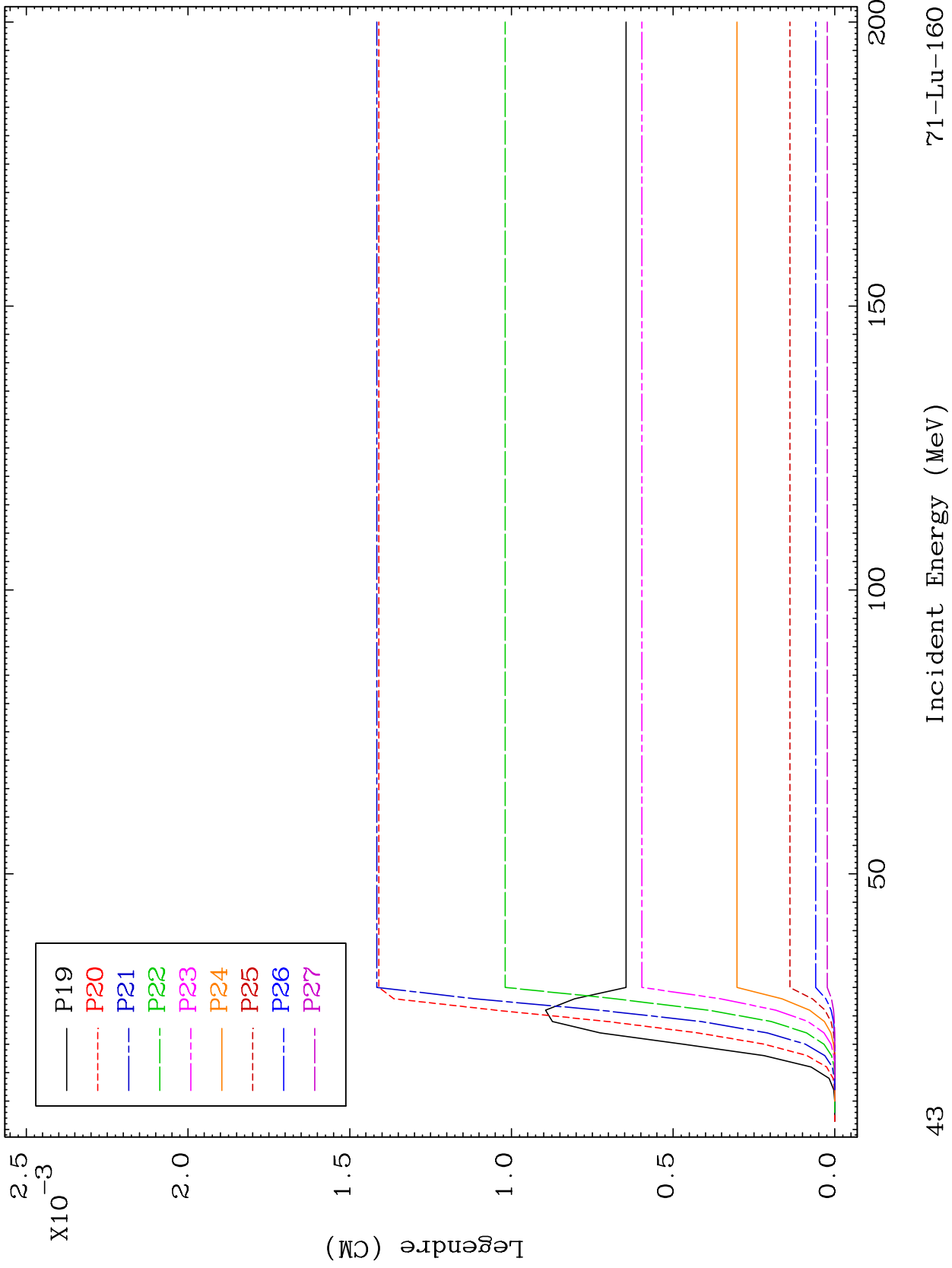




MAT 7080

MT= 57 (n,n') Level
Legendre Coefficients

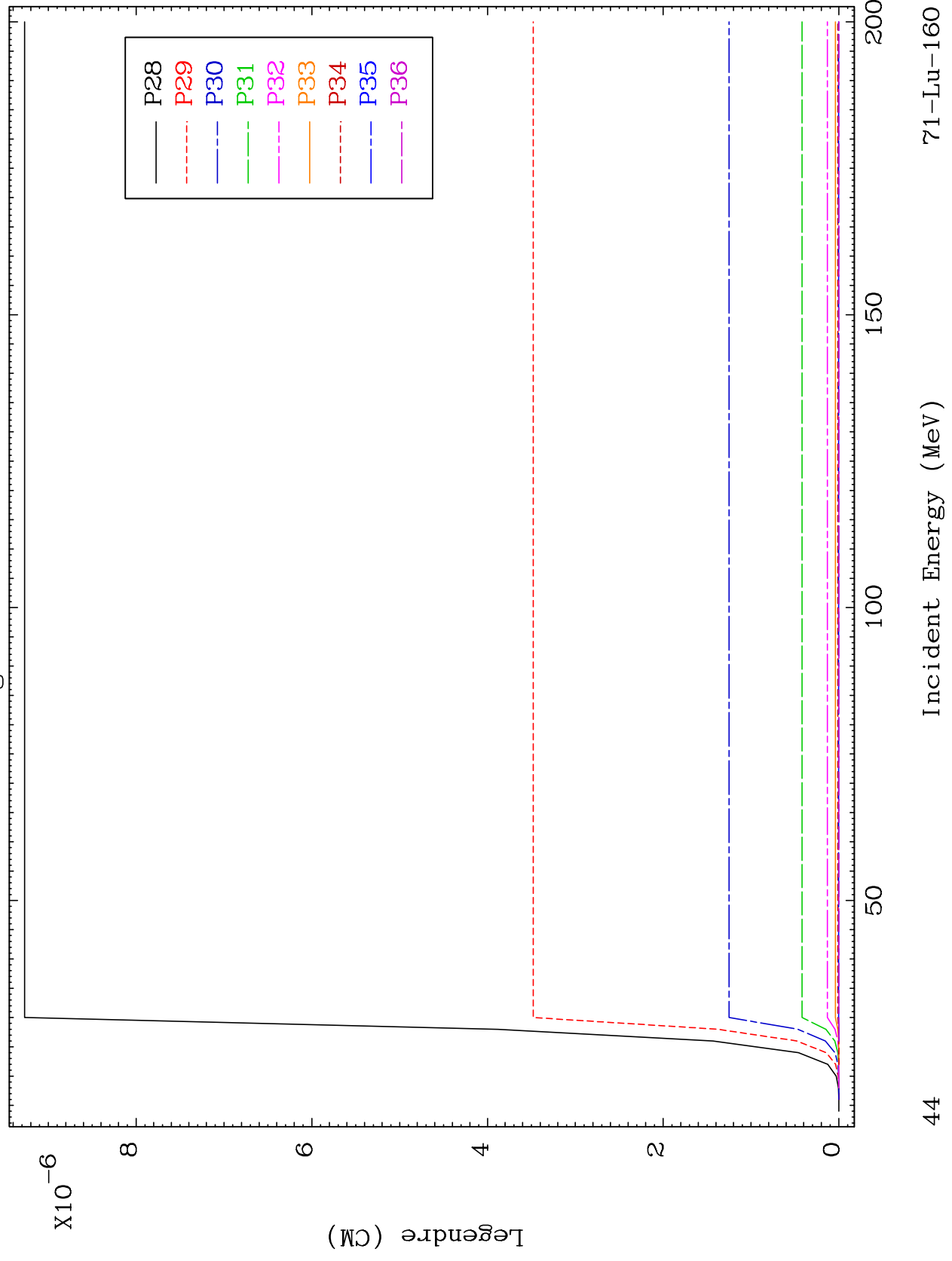
71-Lu-160



MAT 7080

MT= 57 (n,n') Level
Legendre Coefficients

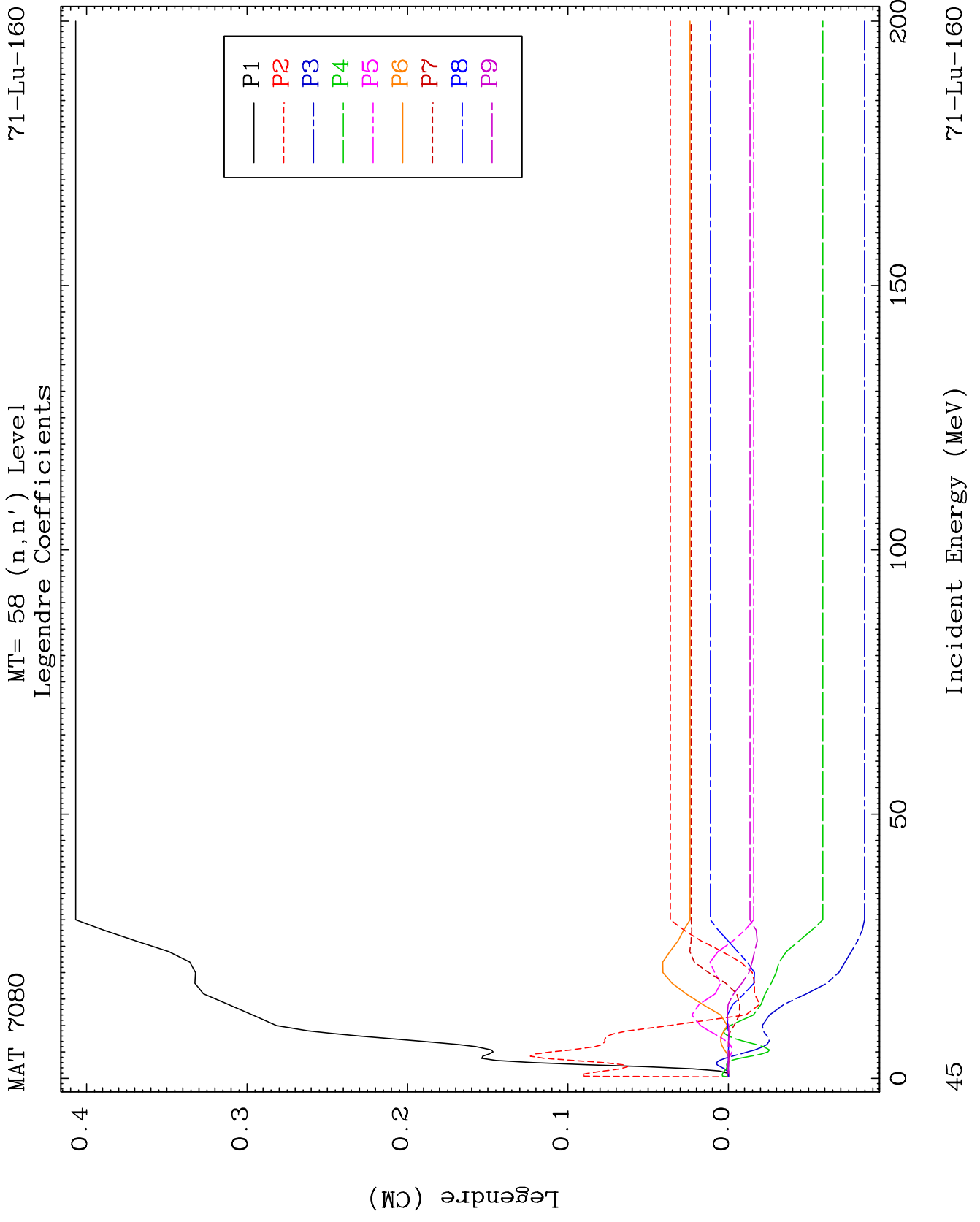
71-Lu-160

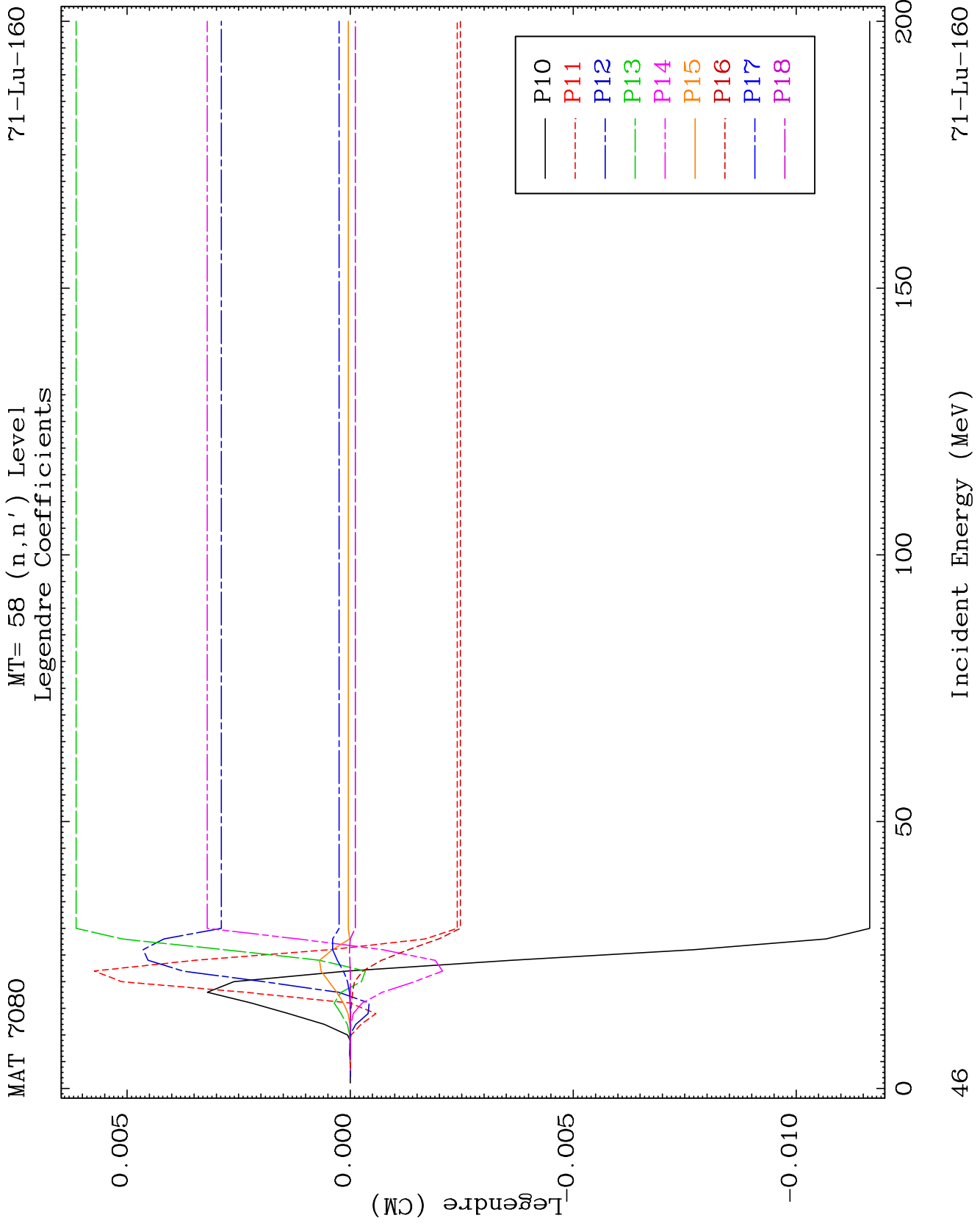


71-Lu-160

Incident Energy (MeV)

44

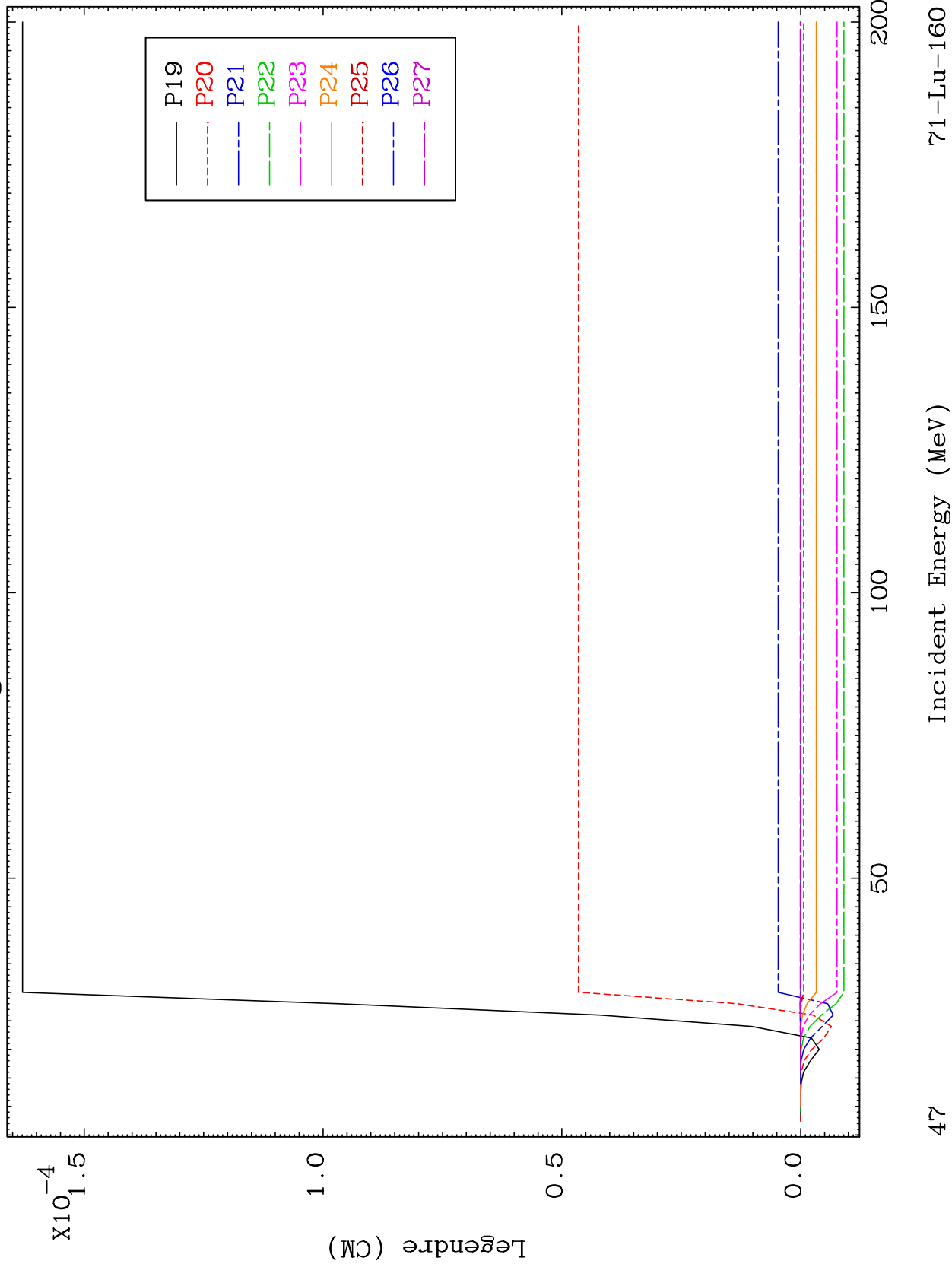




MAT 7080

MT= 58 (n,n') Level
Legendre Coefficients

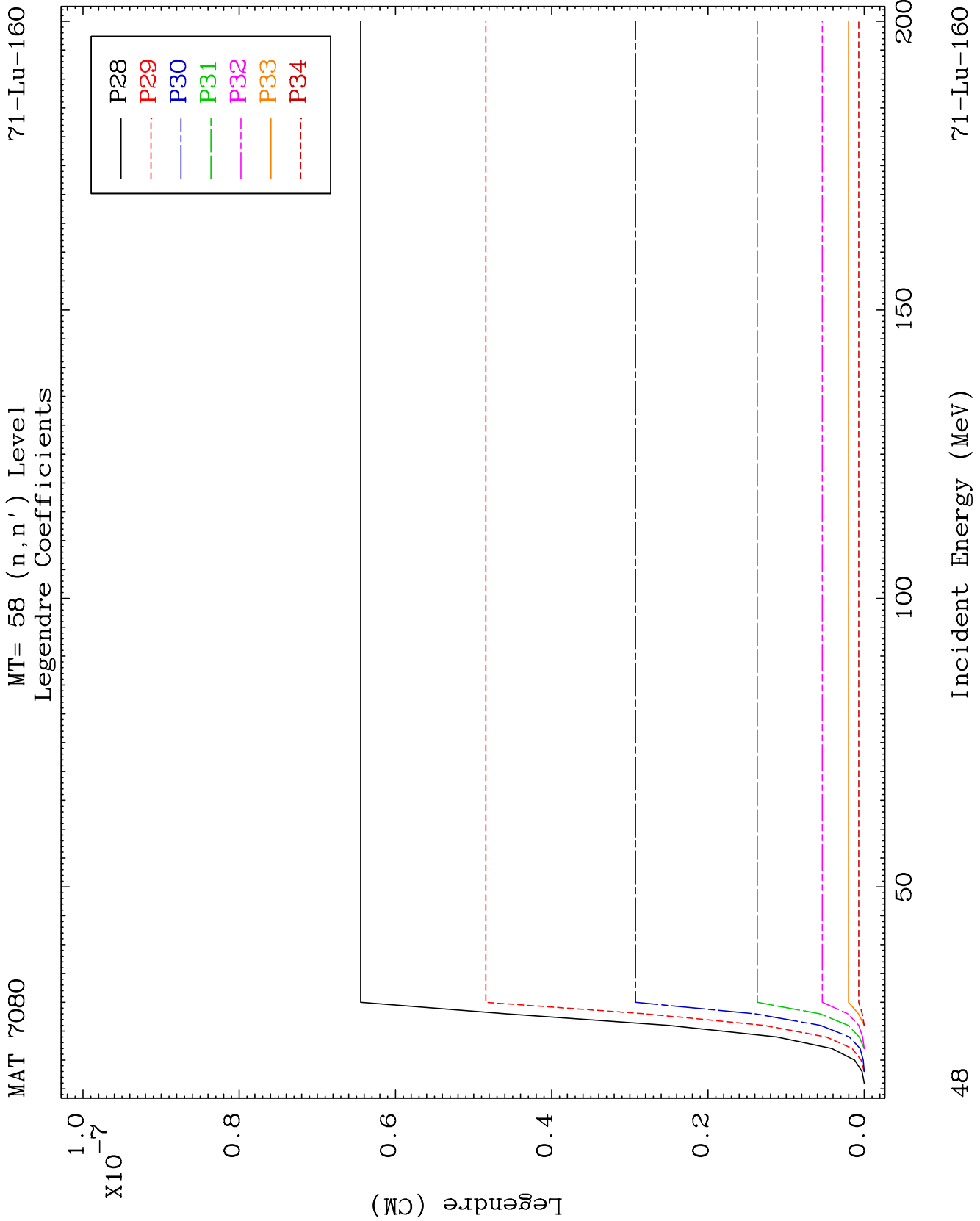
71-Lu-160



47

Incident Energy (MeV)

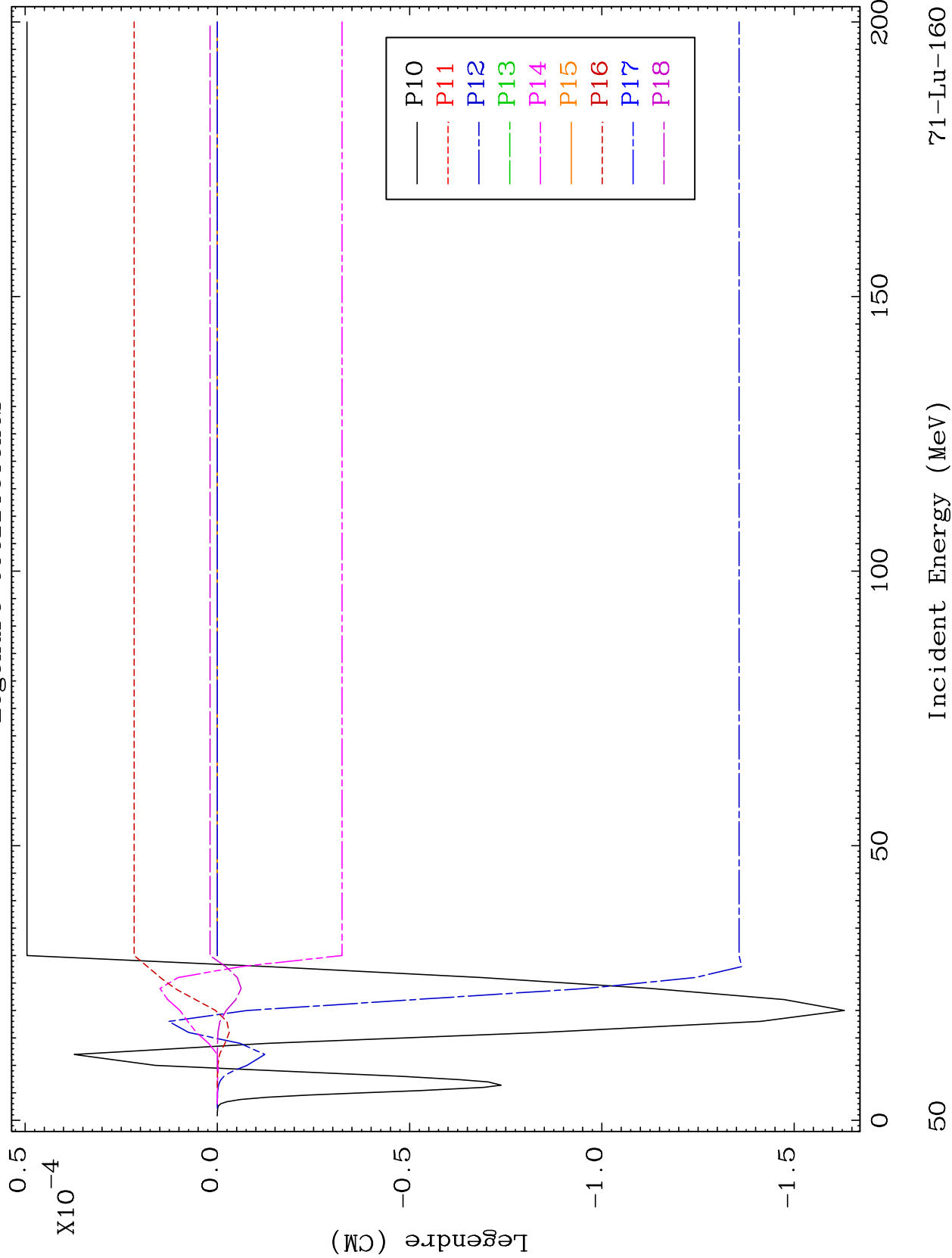
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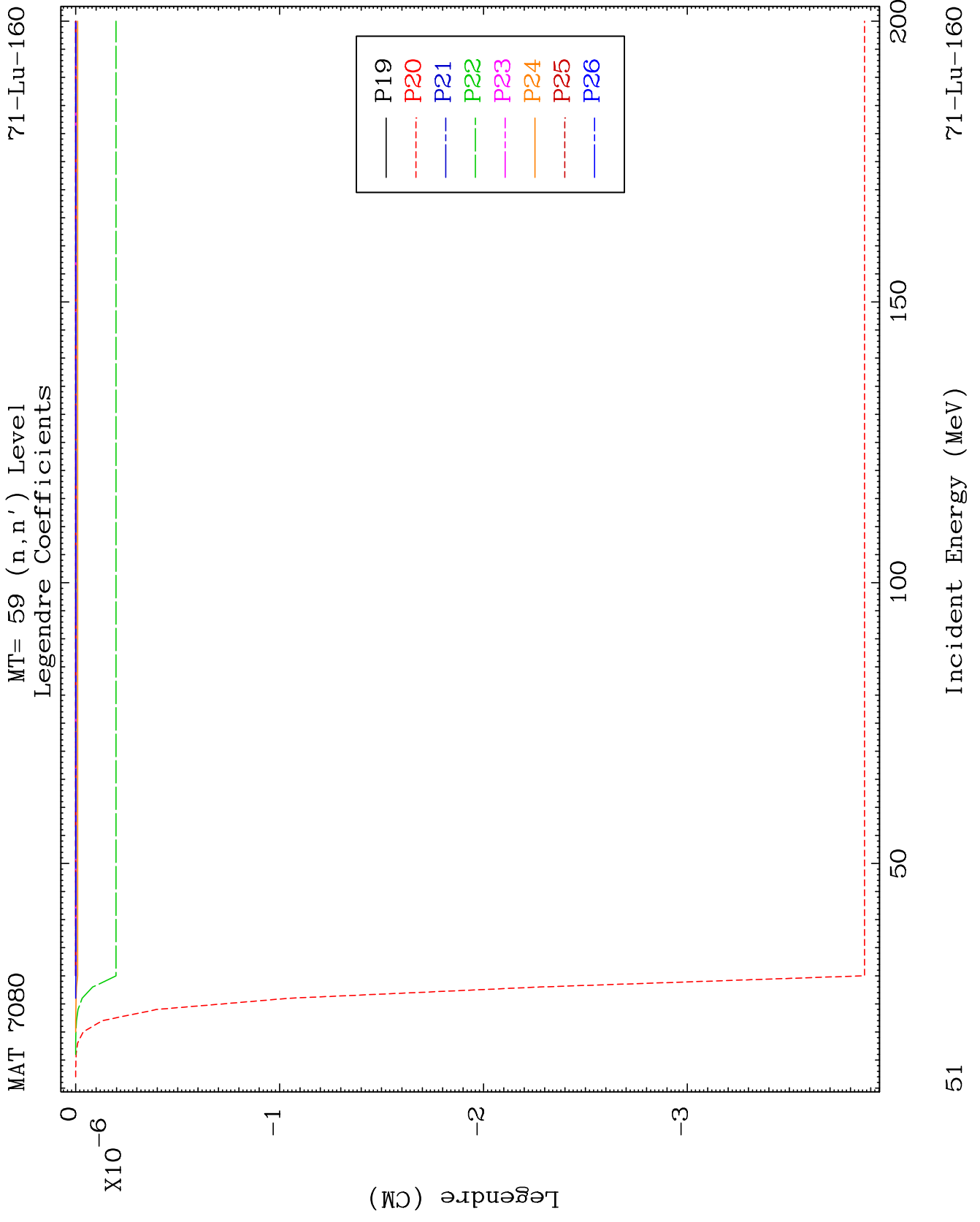


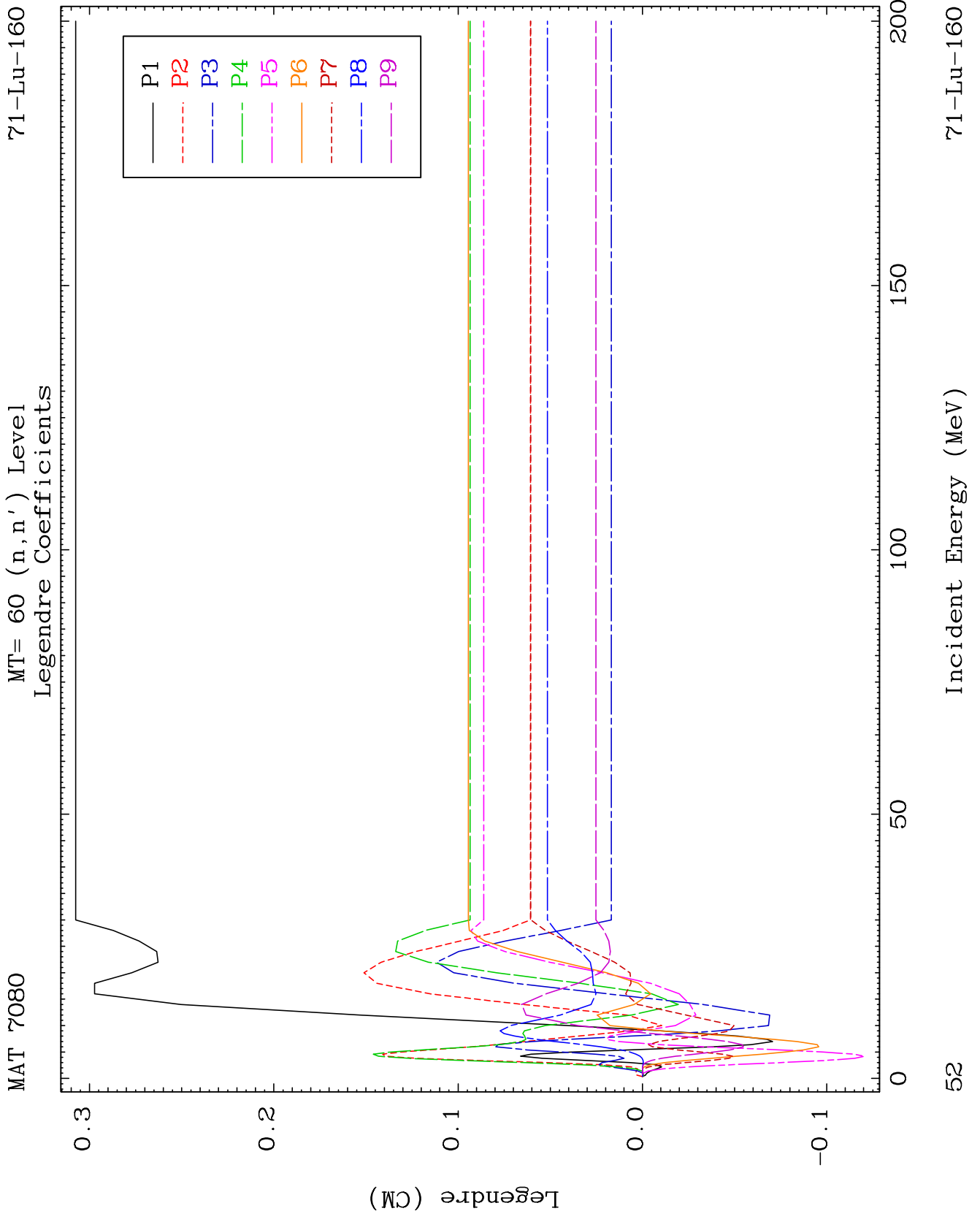
MAT 7080

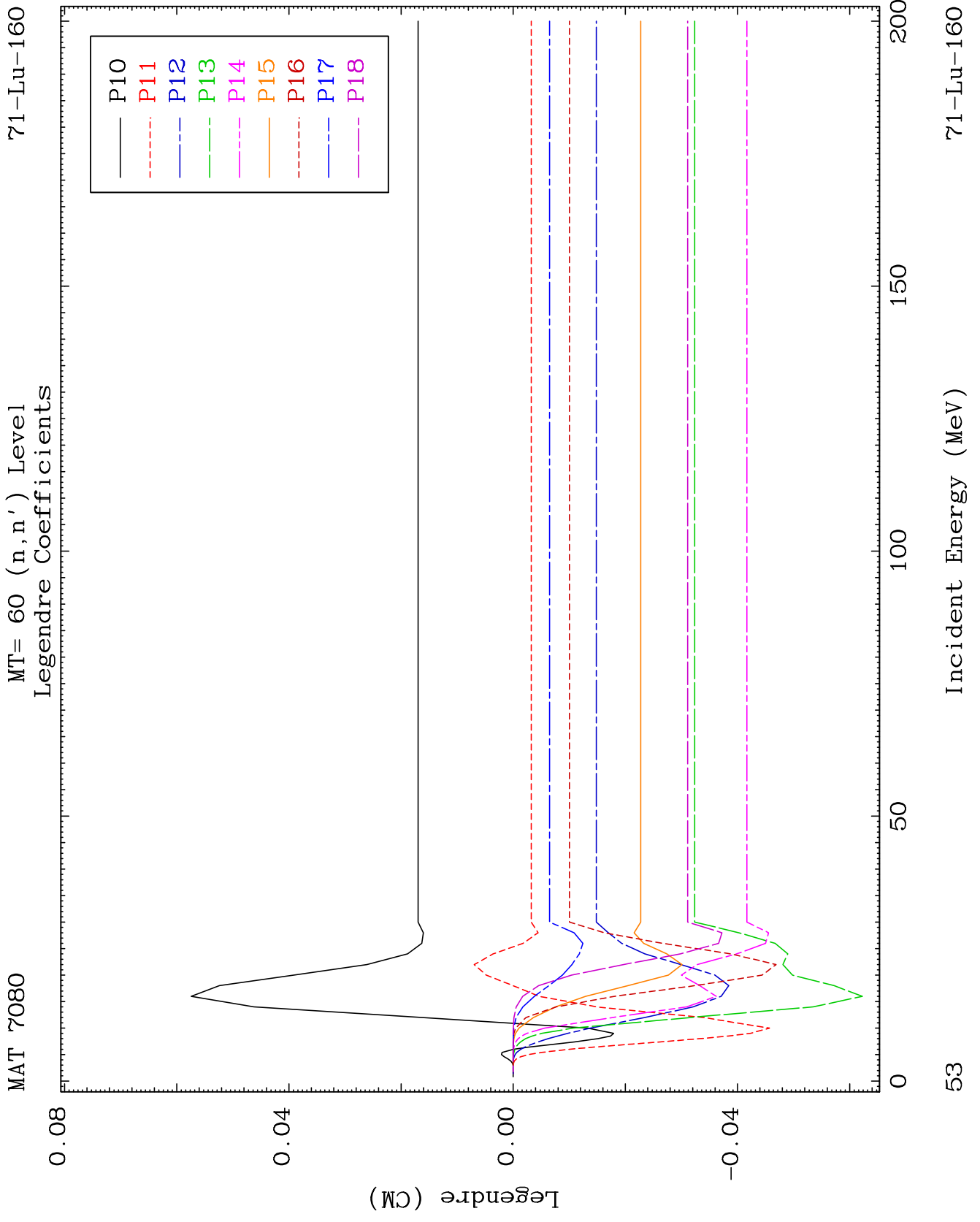
MT= 59 (n,n') Level
Legendre Coefficients

71-Lu-160





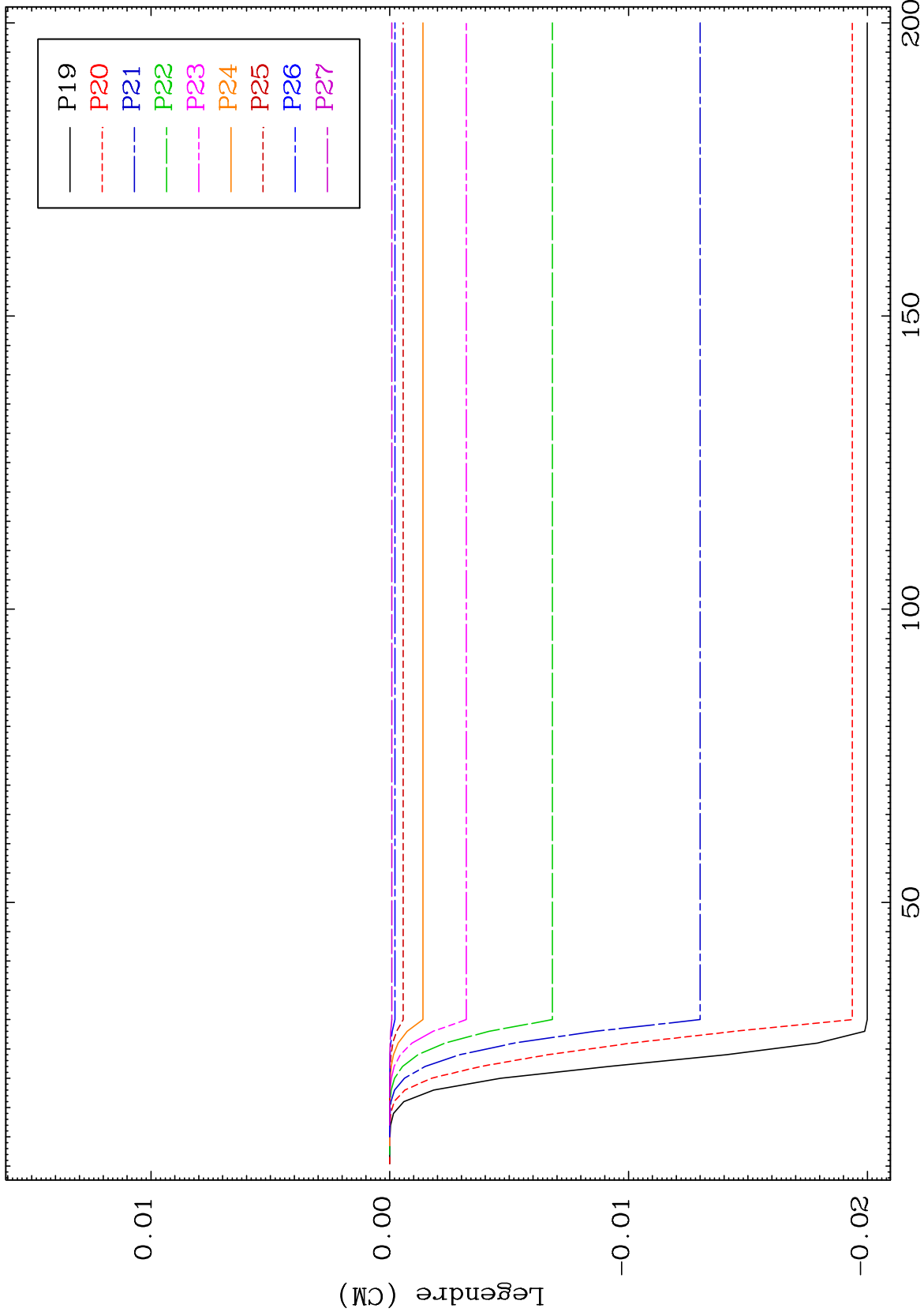




MAT 7080

MT= 60 (n,n') Level
Legendre Coefficients

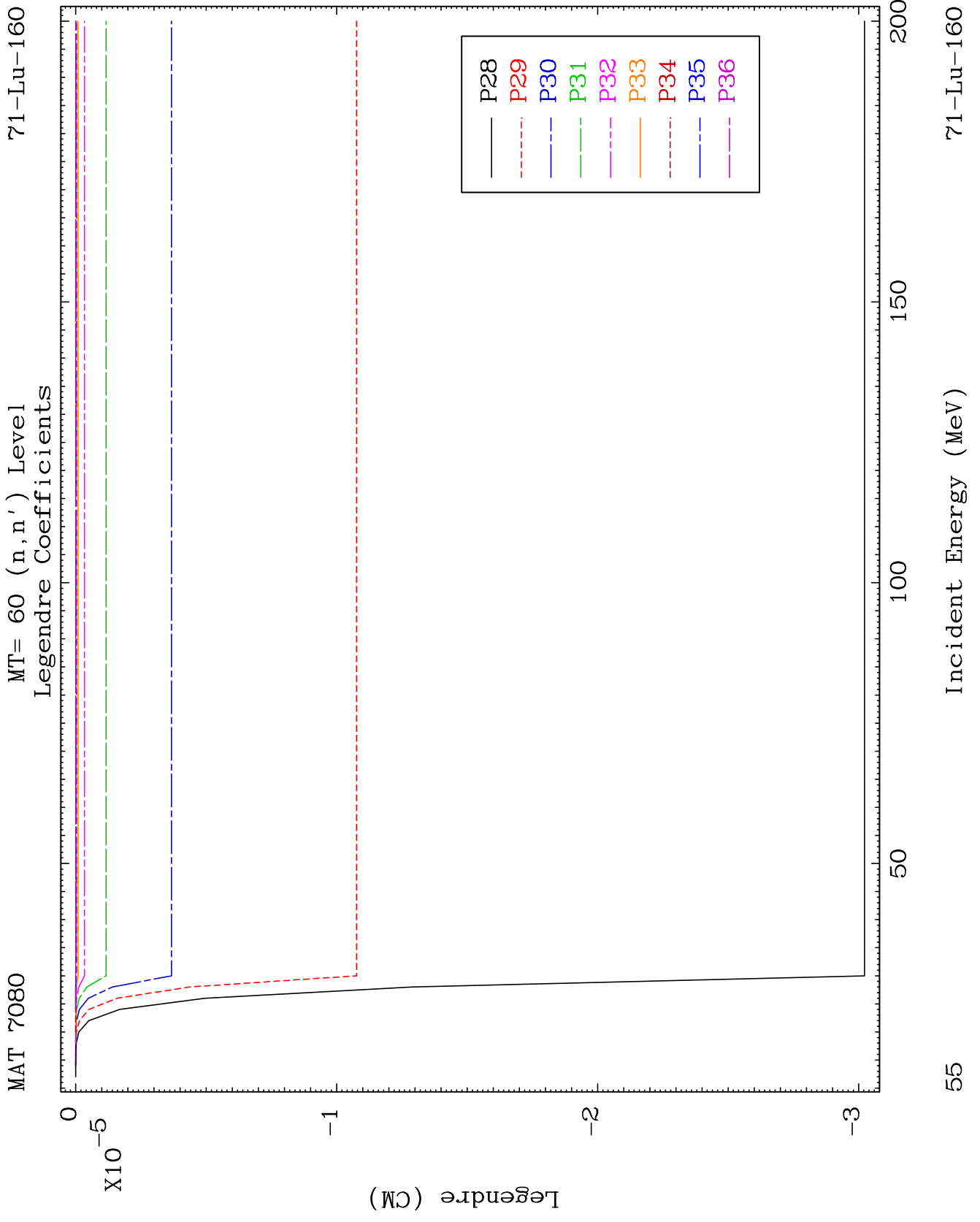
71-Lu-160

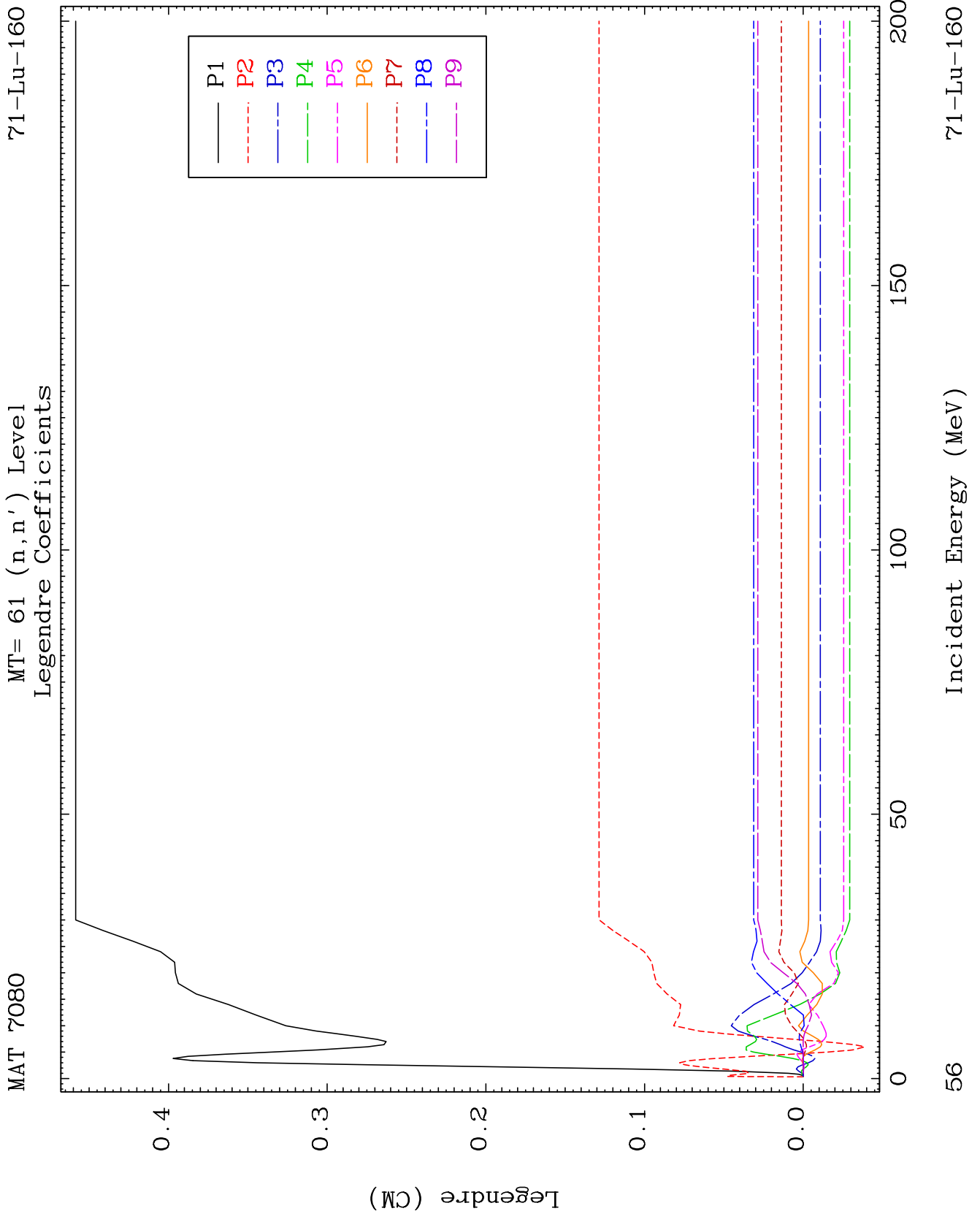


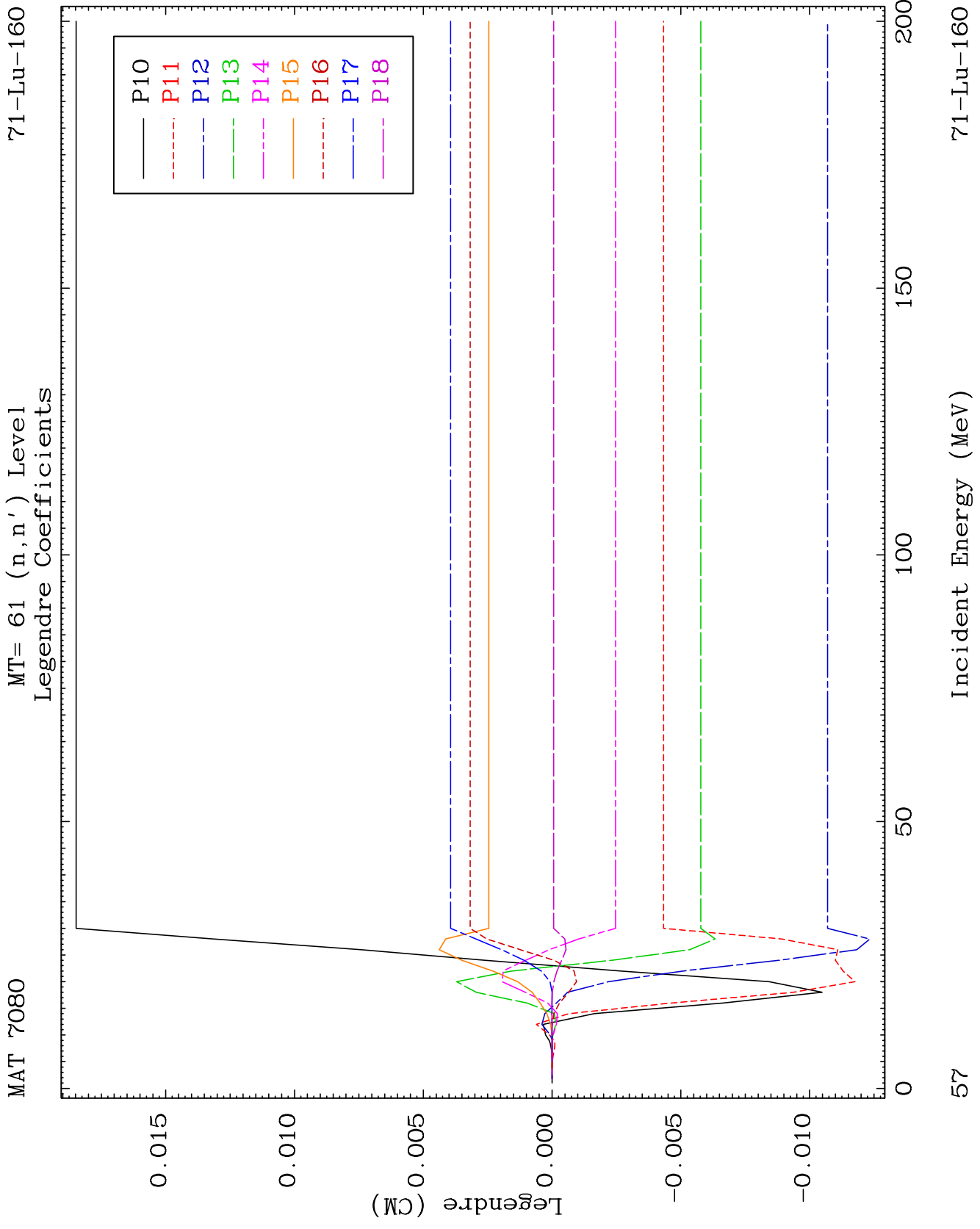
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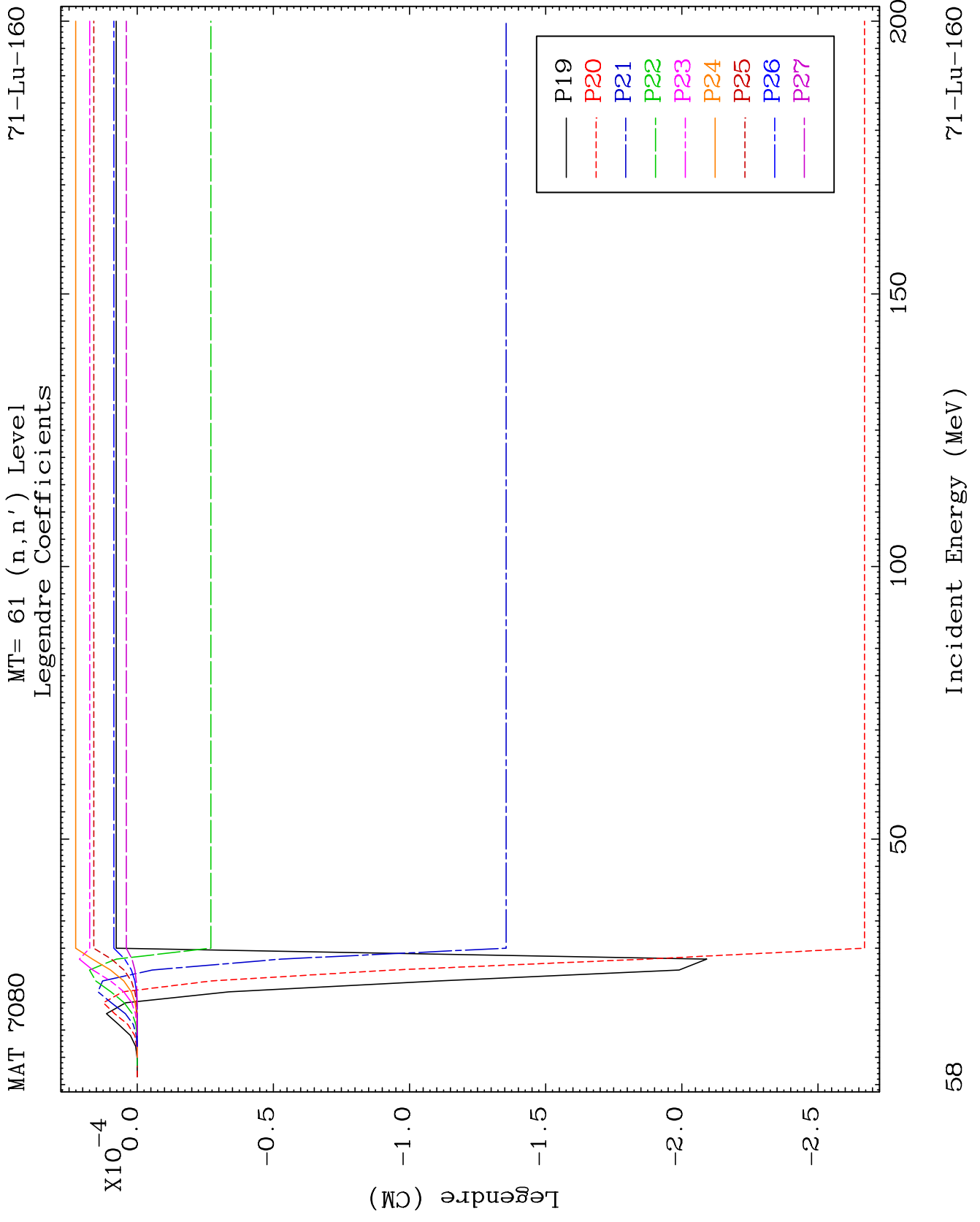
Incident Energy (MeV)

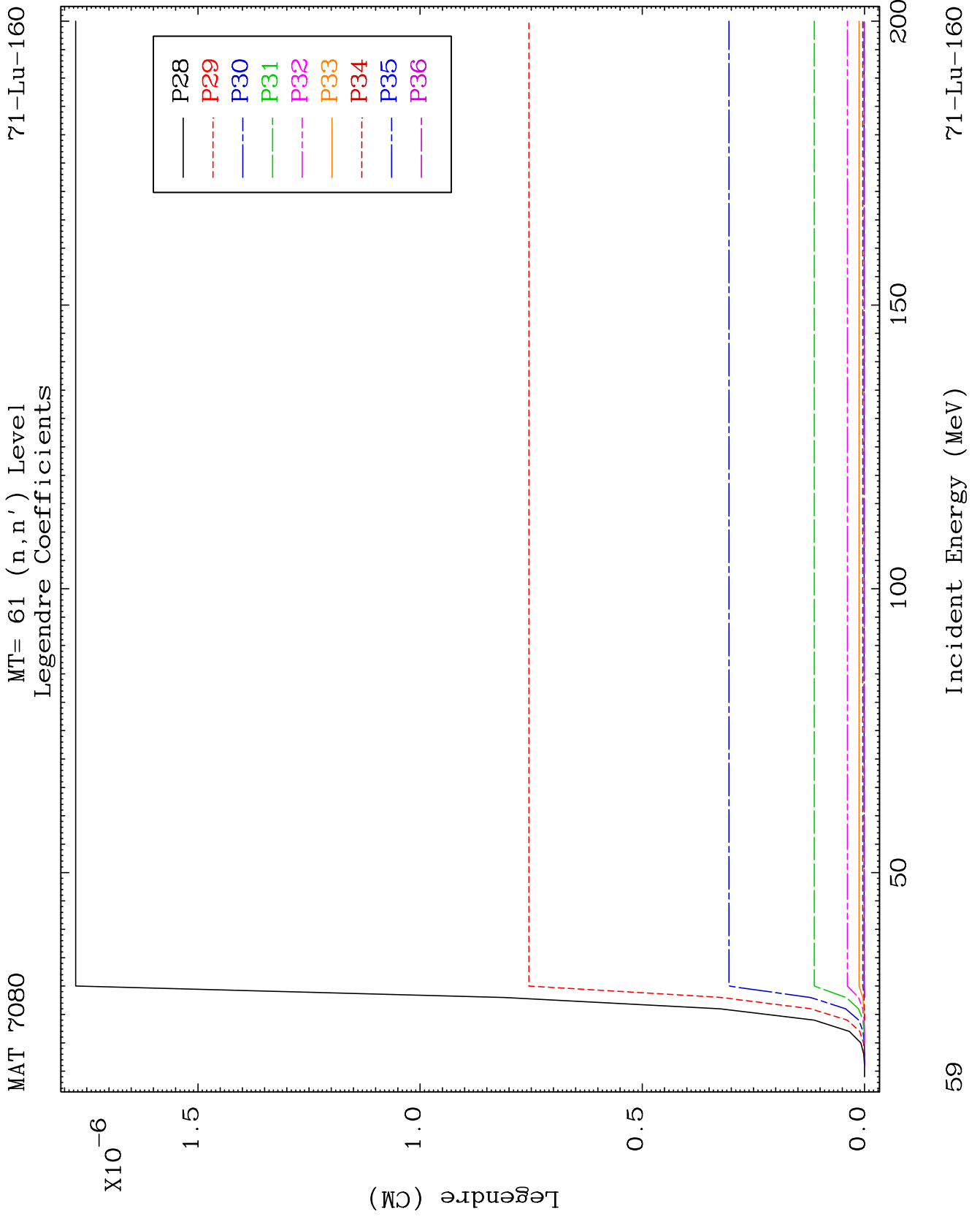
71-Lu-160

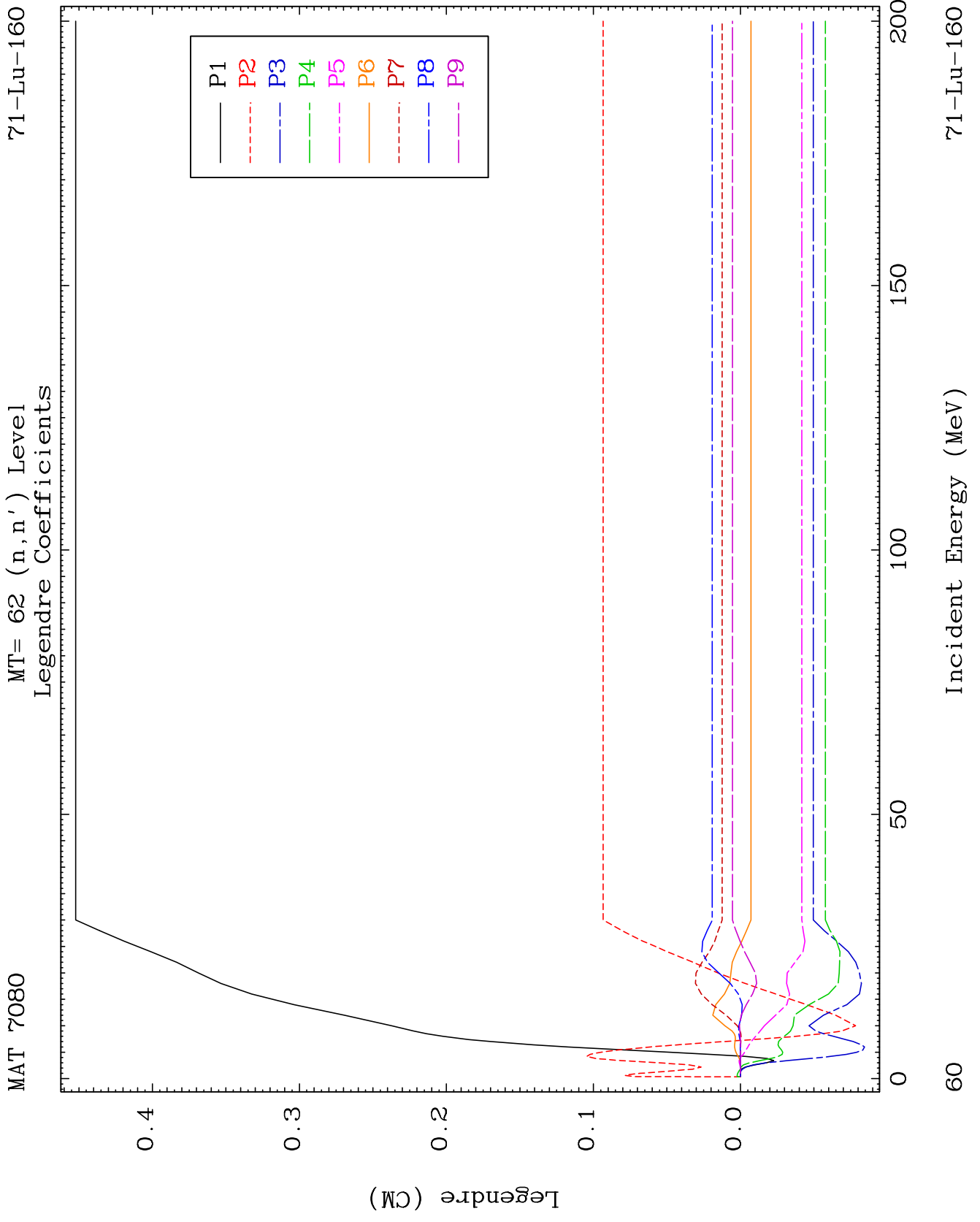








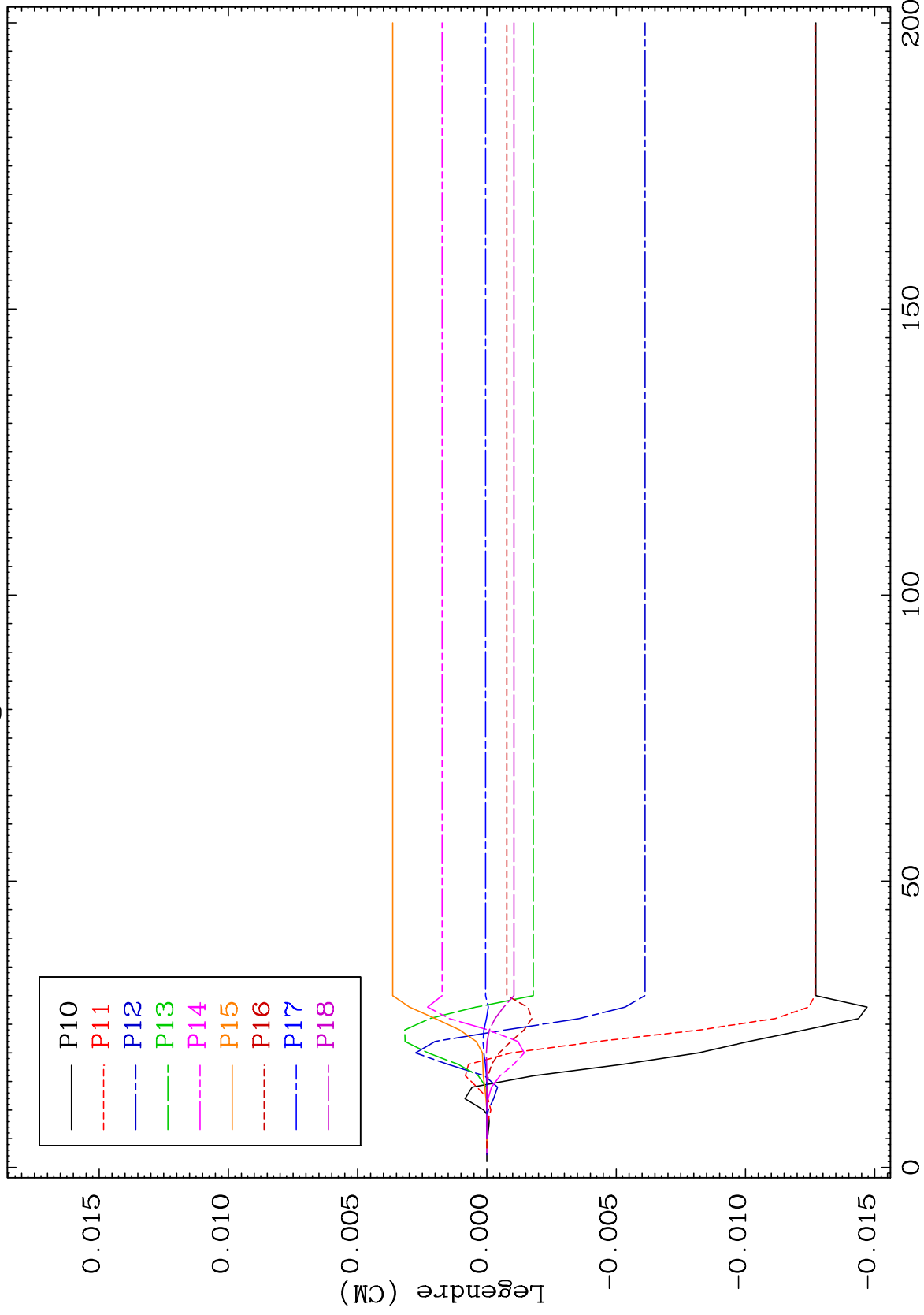




MAT 7080

MT= 62 (n,n') Level
Legendre Coefficients

71-Lu-160



61

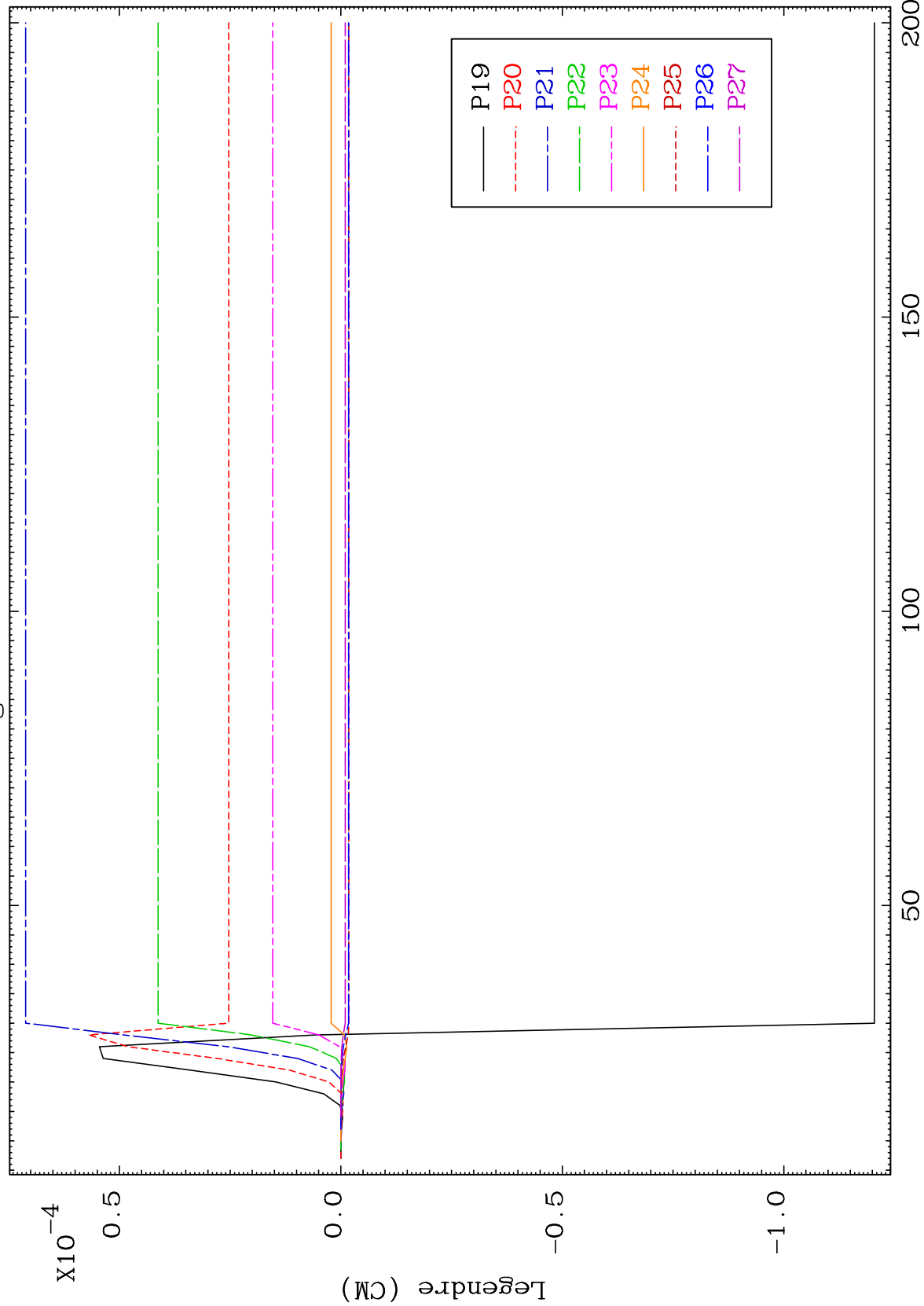
Incident Energy (MeV)

71-Lu-160

MAT 7080

MT= 62 (n,n') Level
Legendre Coefficients

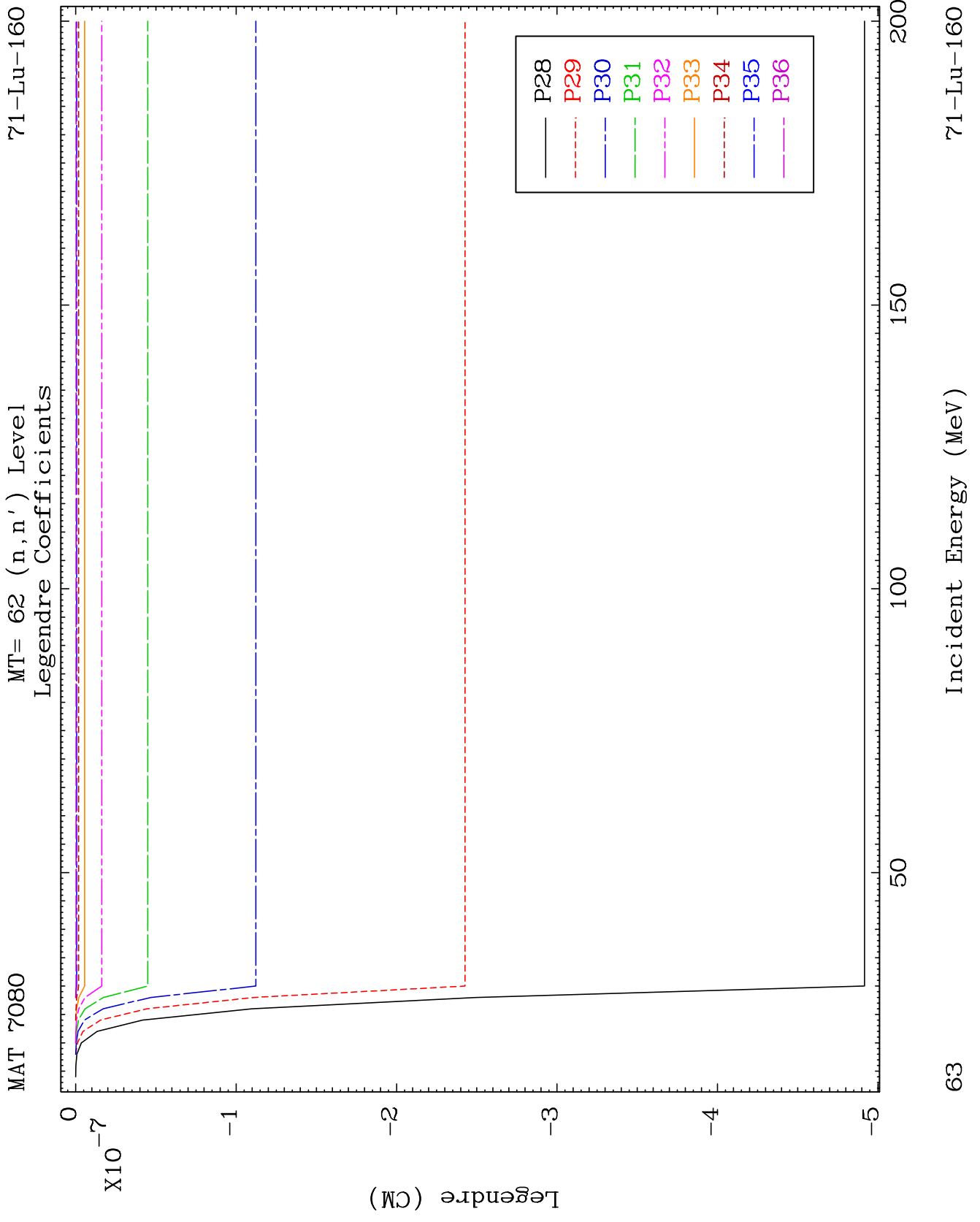
71-Lu-160



71-Lu-160

Incident Energy (MeV)

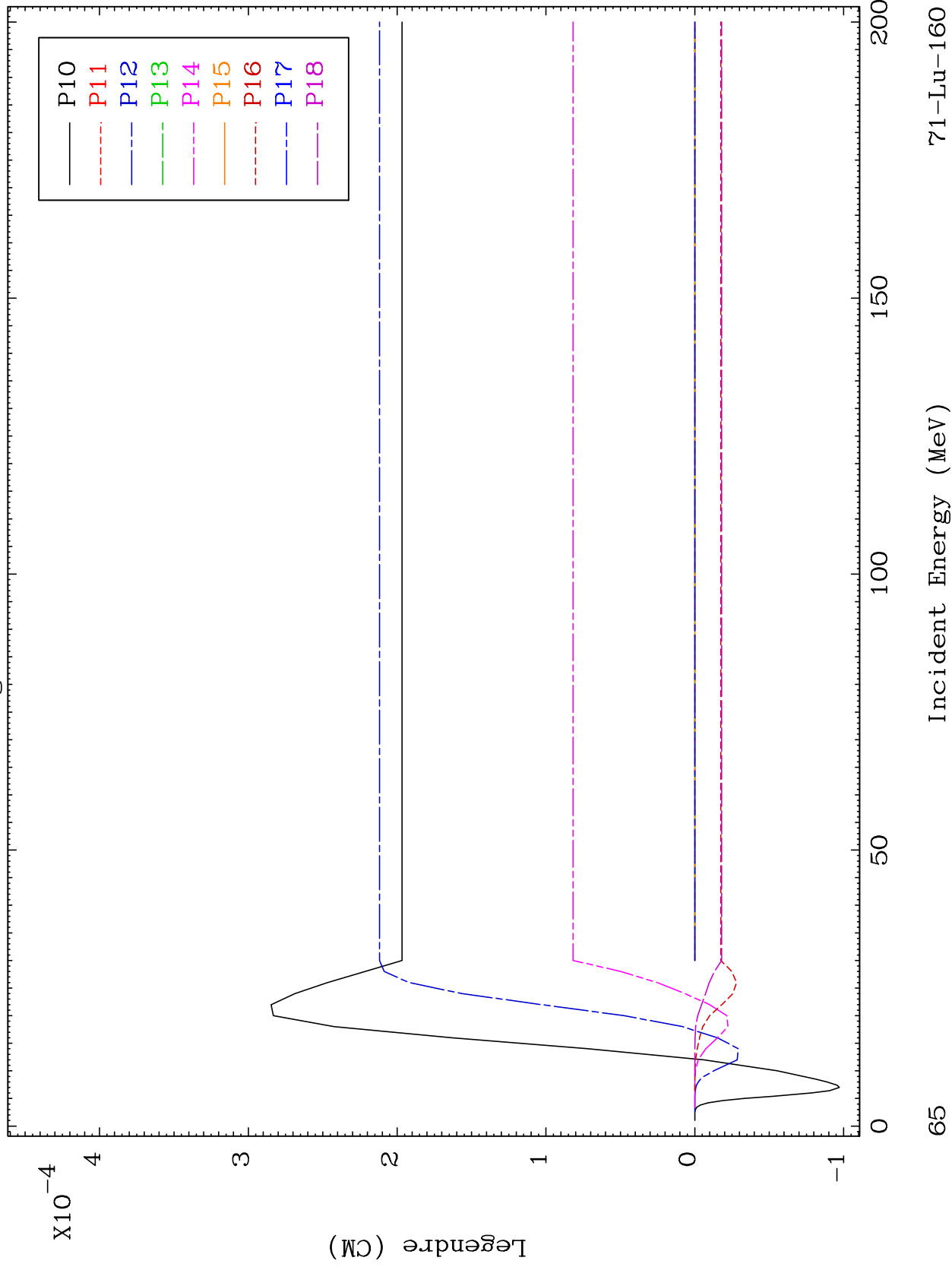
62



MAT 7080

MT= 63 (n,n') Level
Legendre Coefficients

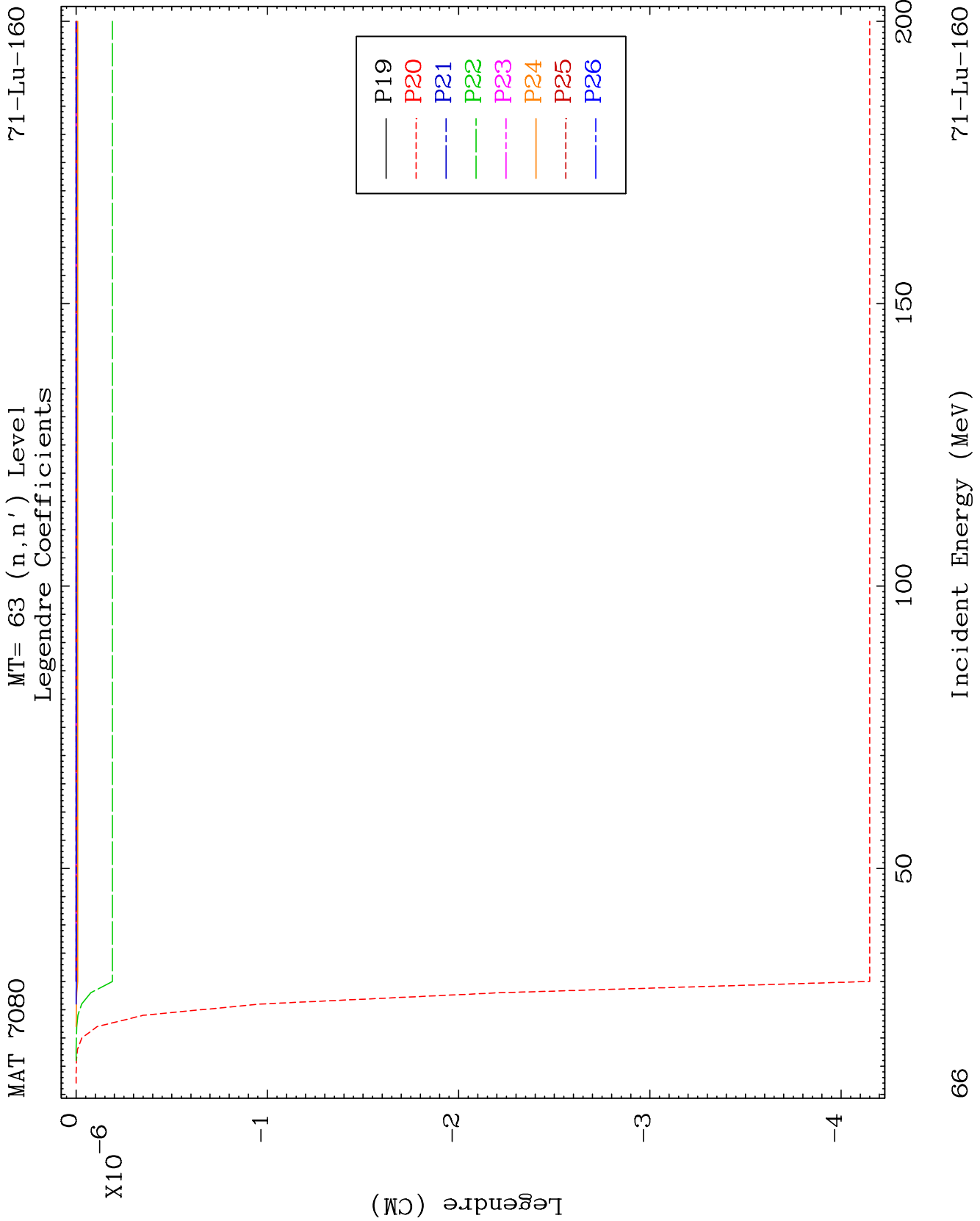
71-Lu-160



65

71-Lu-160

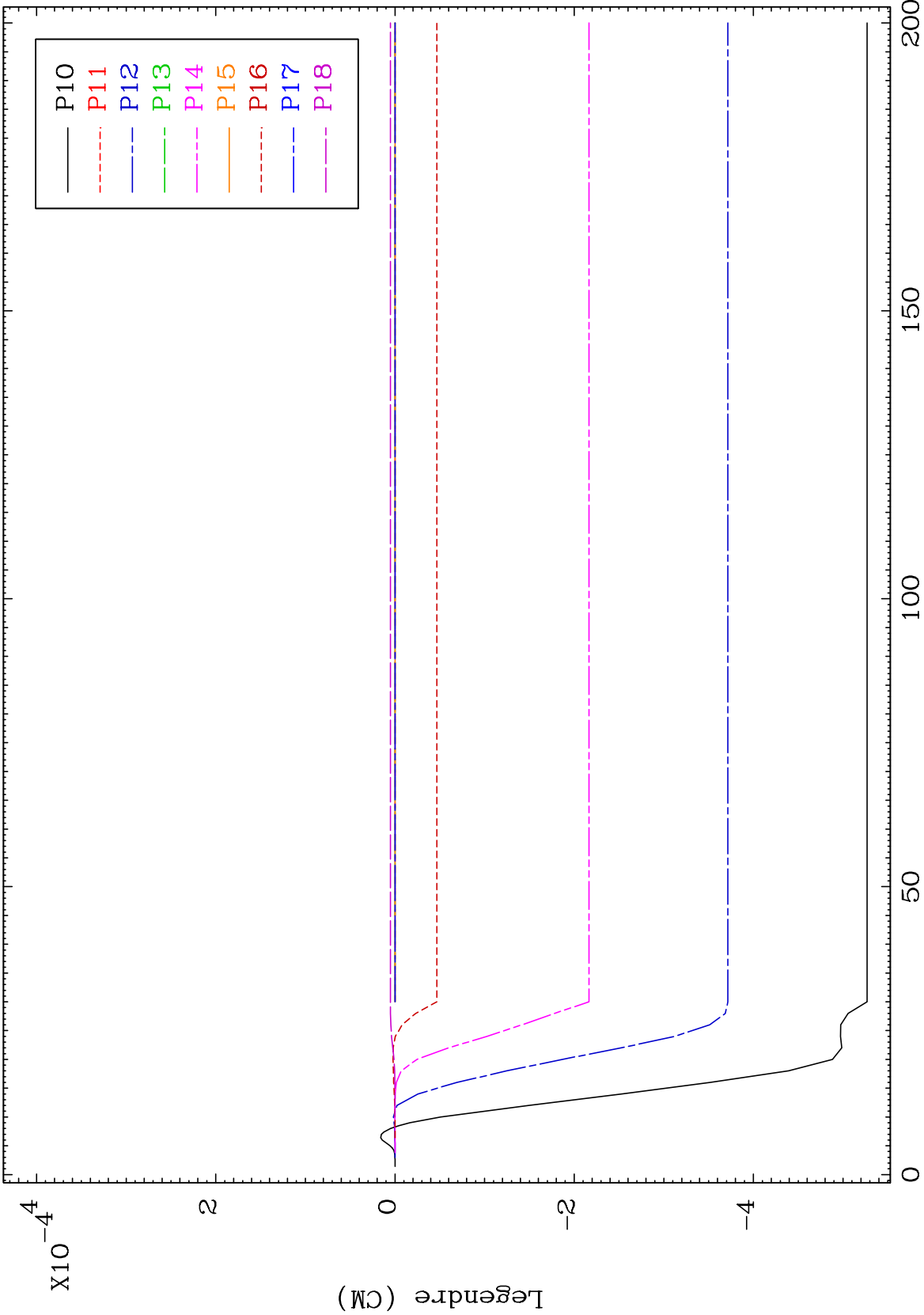
71-Lu-160



MAT 7080

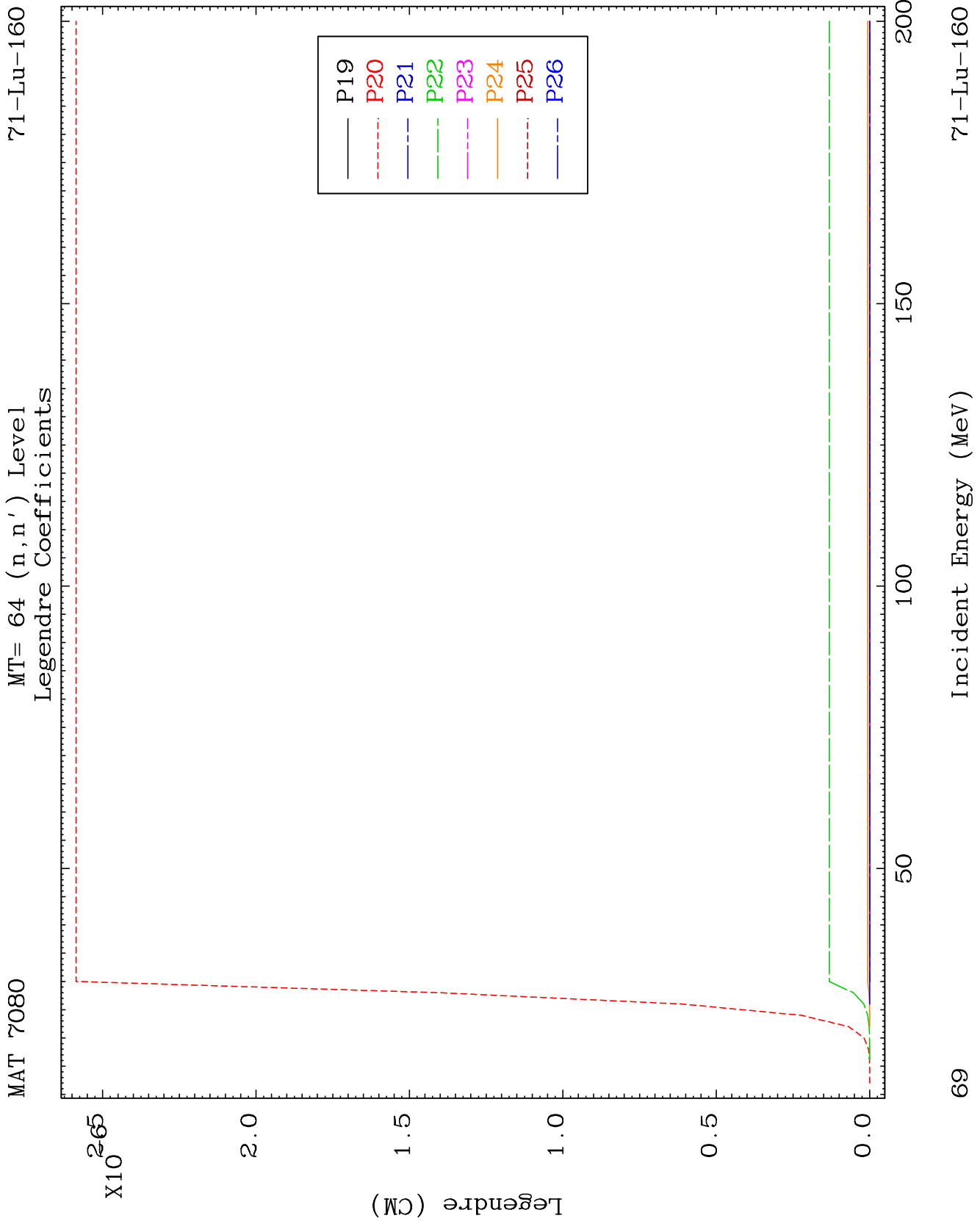
MT= 64 (n,n') Level
Legendre Coefficients

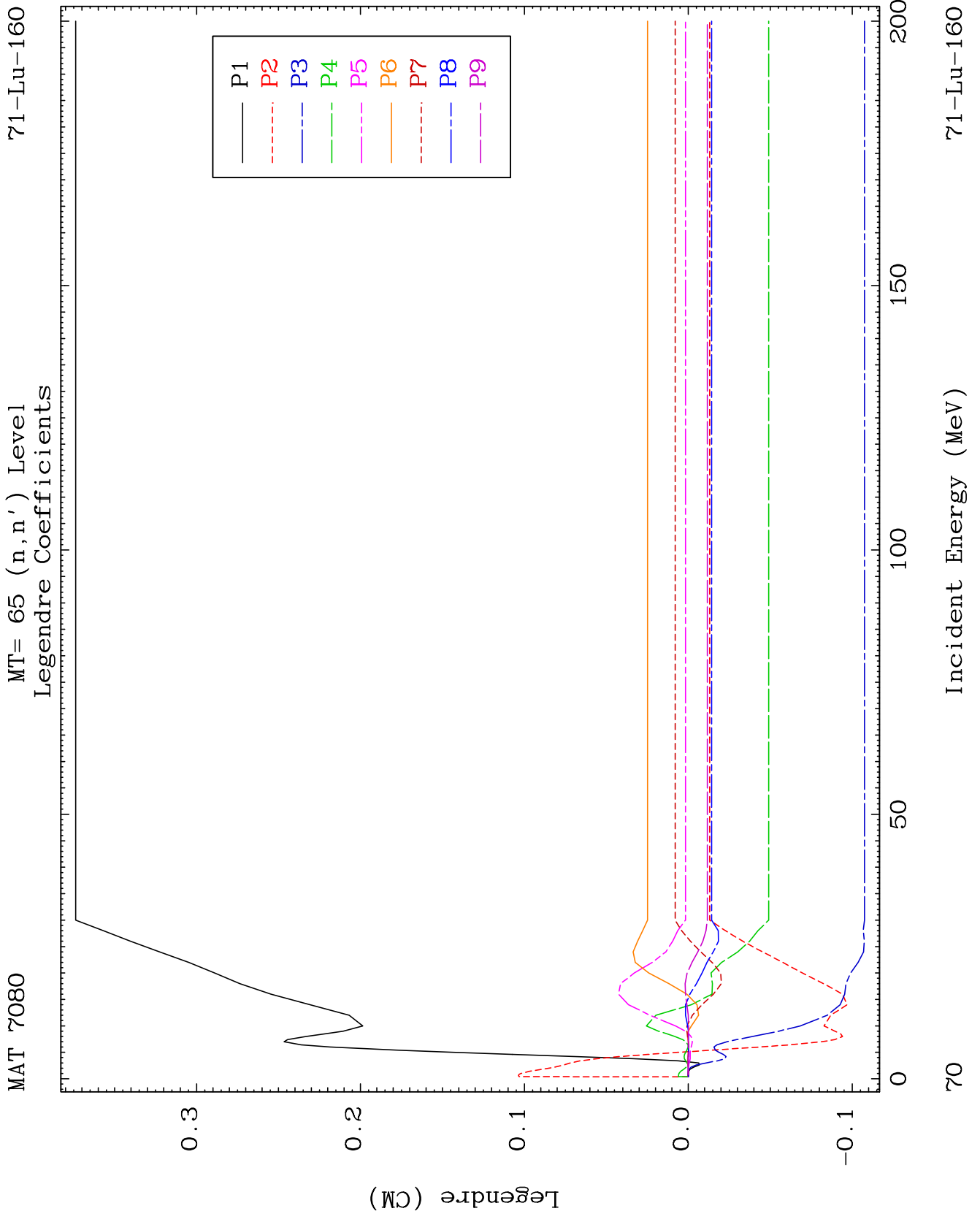
71-Lu-160



68

71-Lu-160

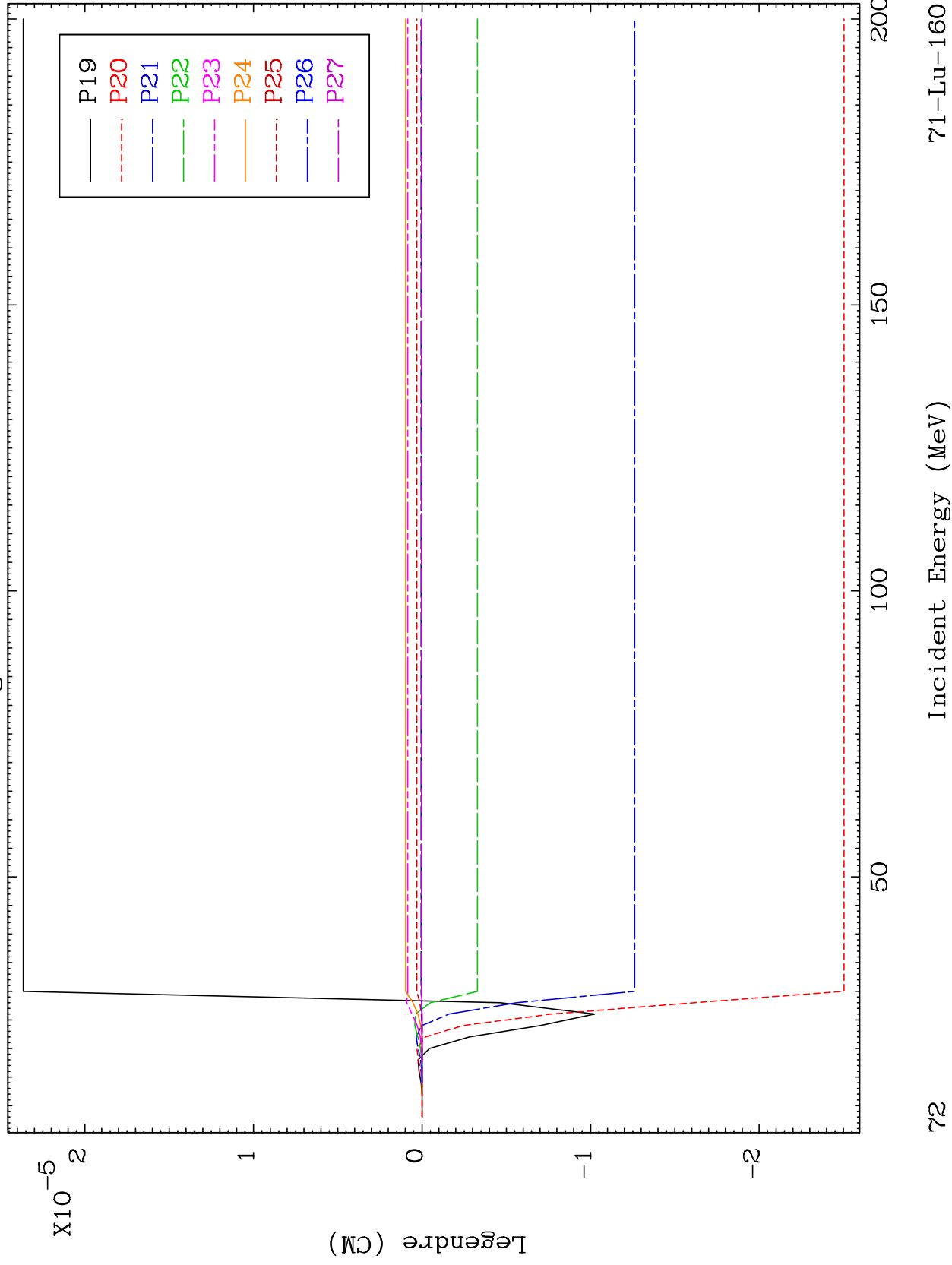


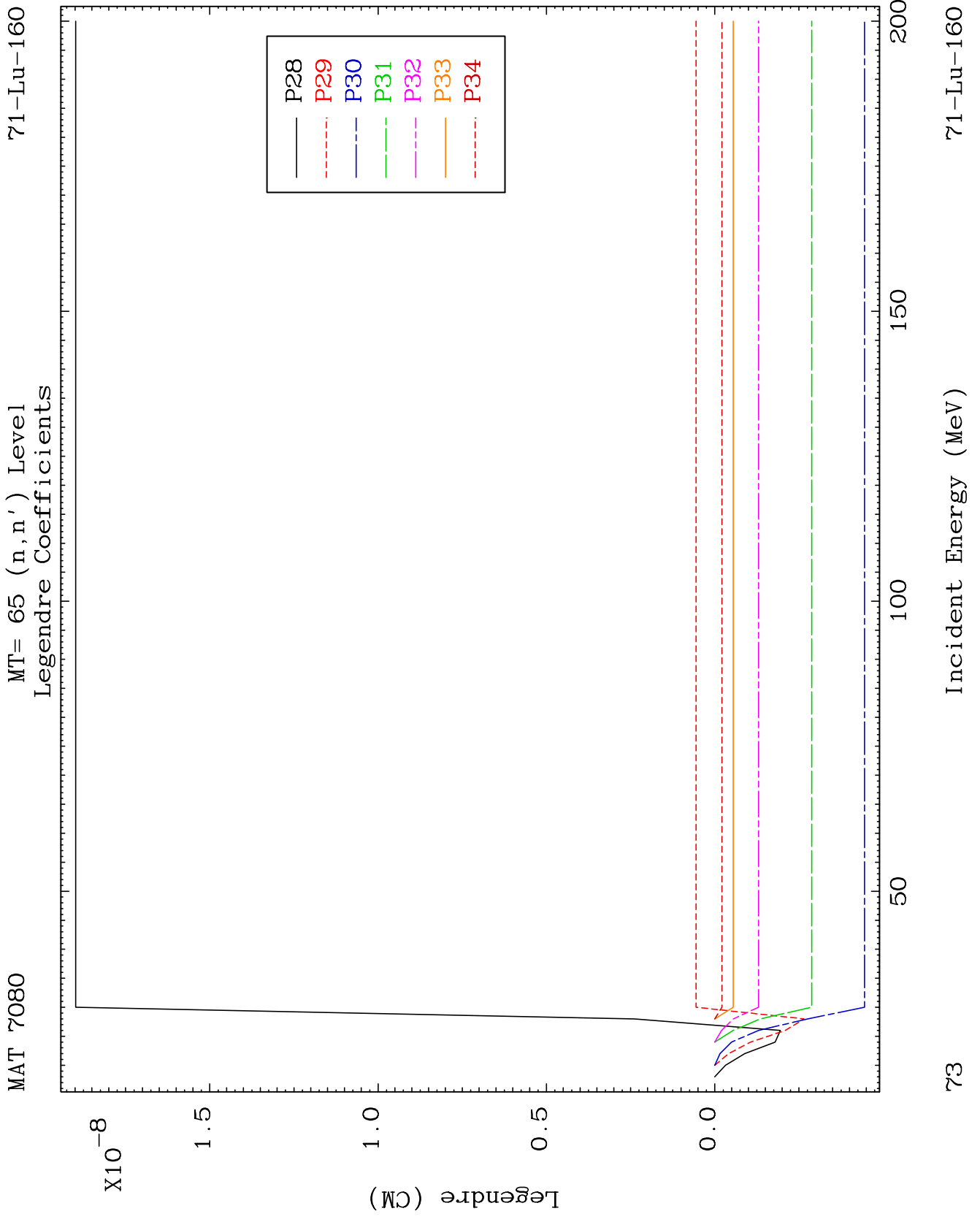


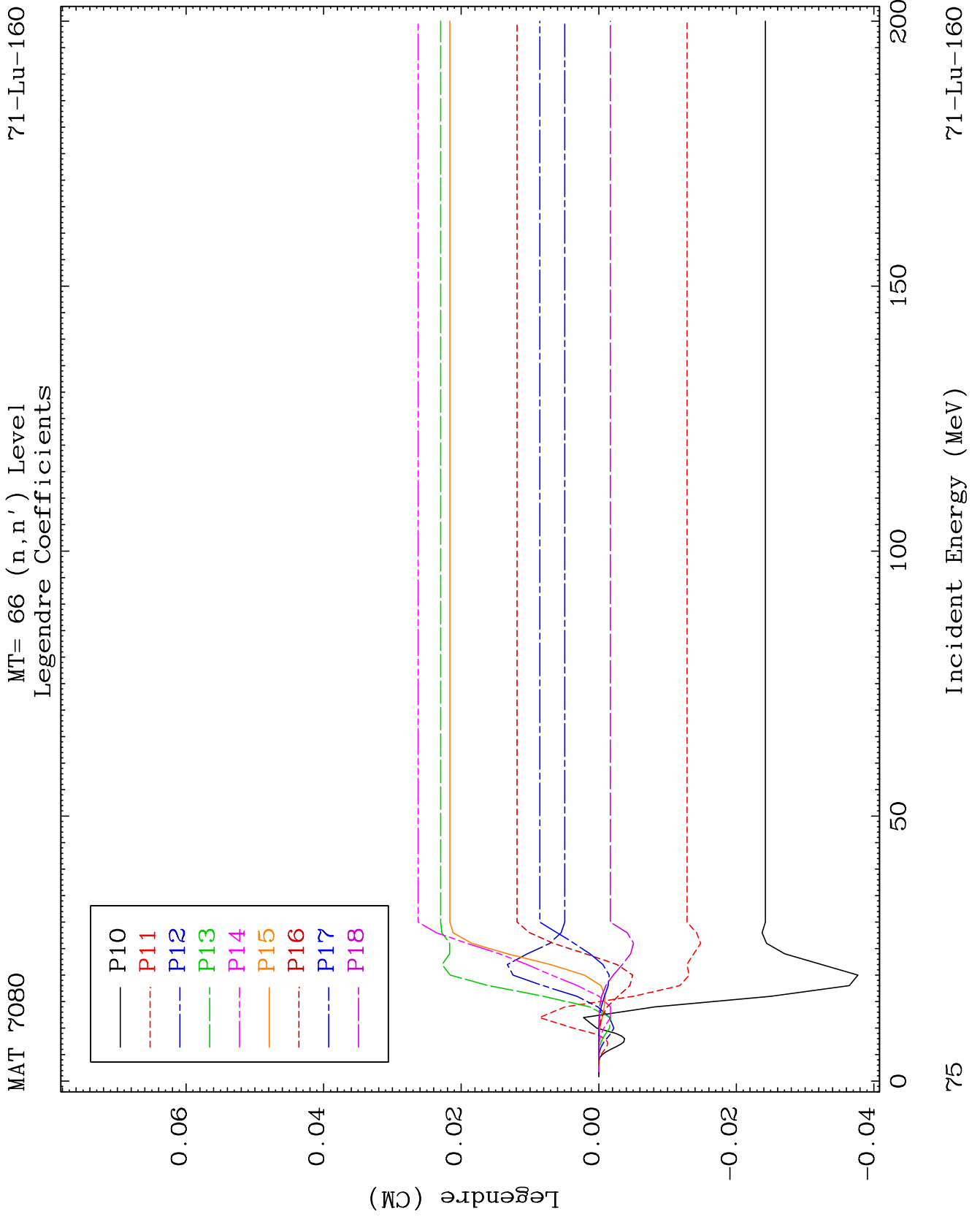
MAT 7080

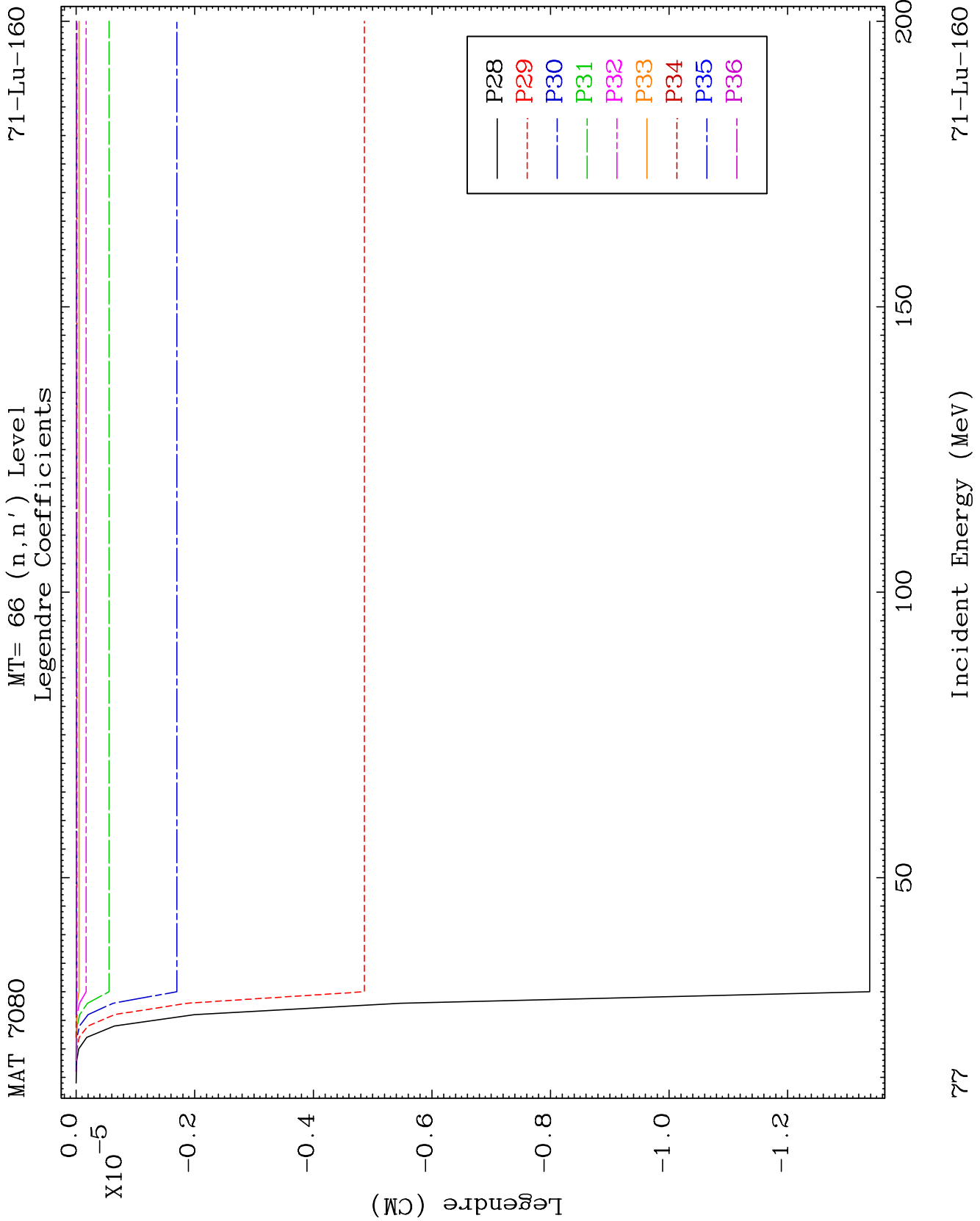
MT= 65 (n,n') Level
Legendre Coefficients

71-Lu-160





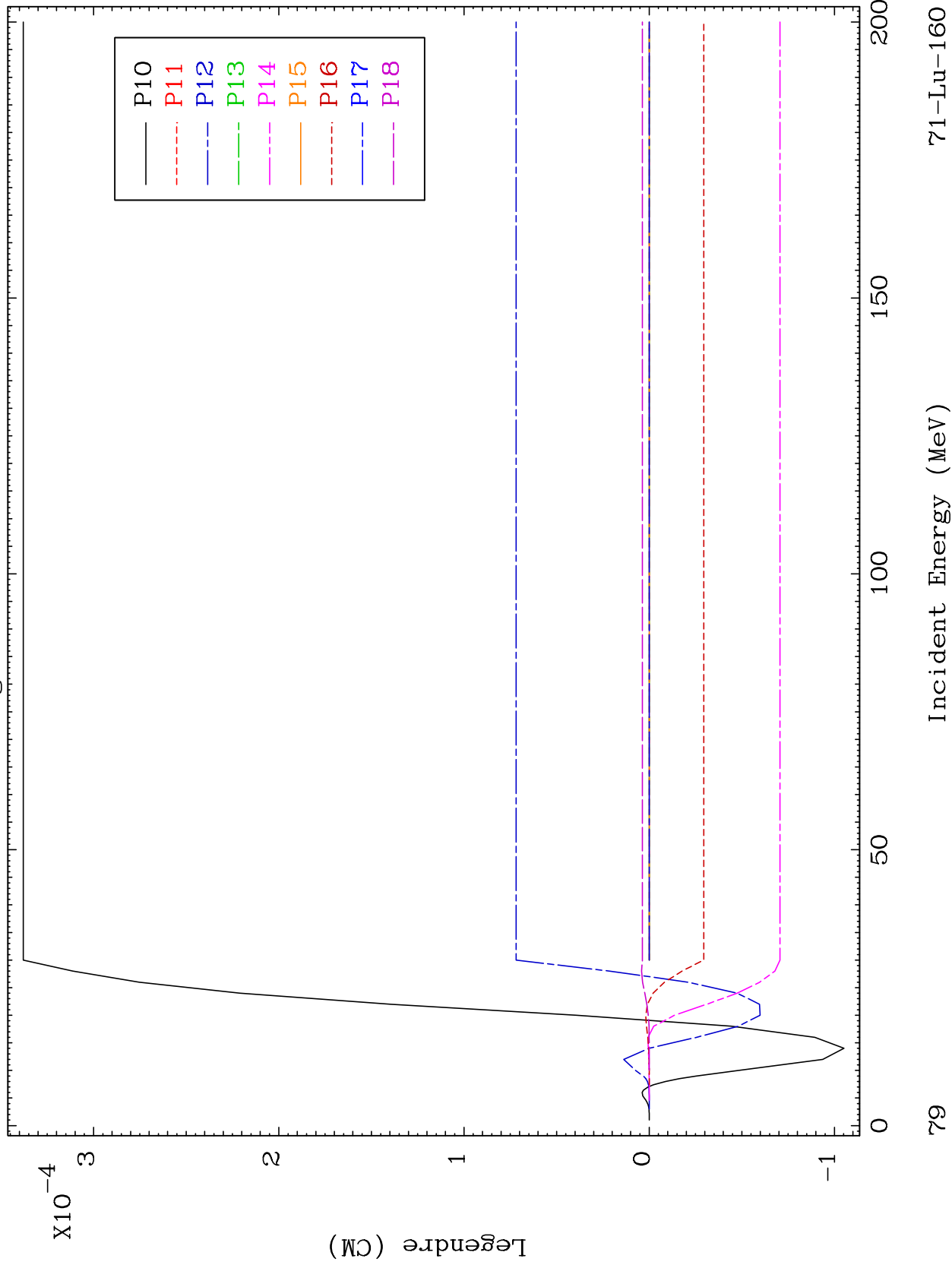




MAT 7080

MT= 67 (n,n') Level
Legendre Coefficients

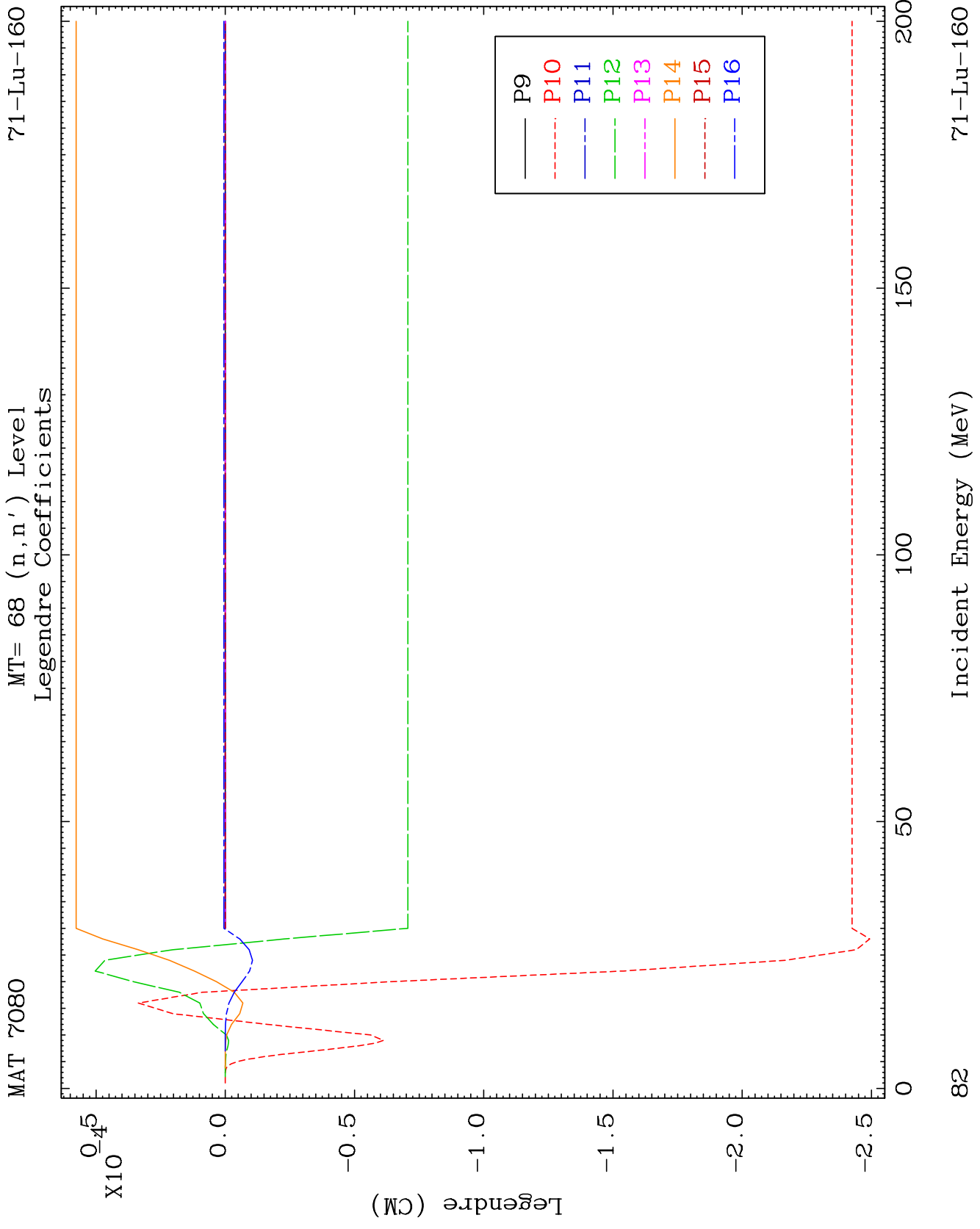
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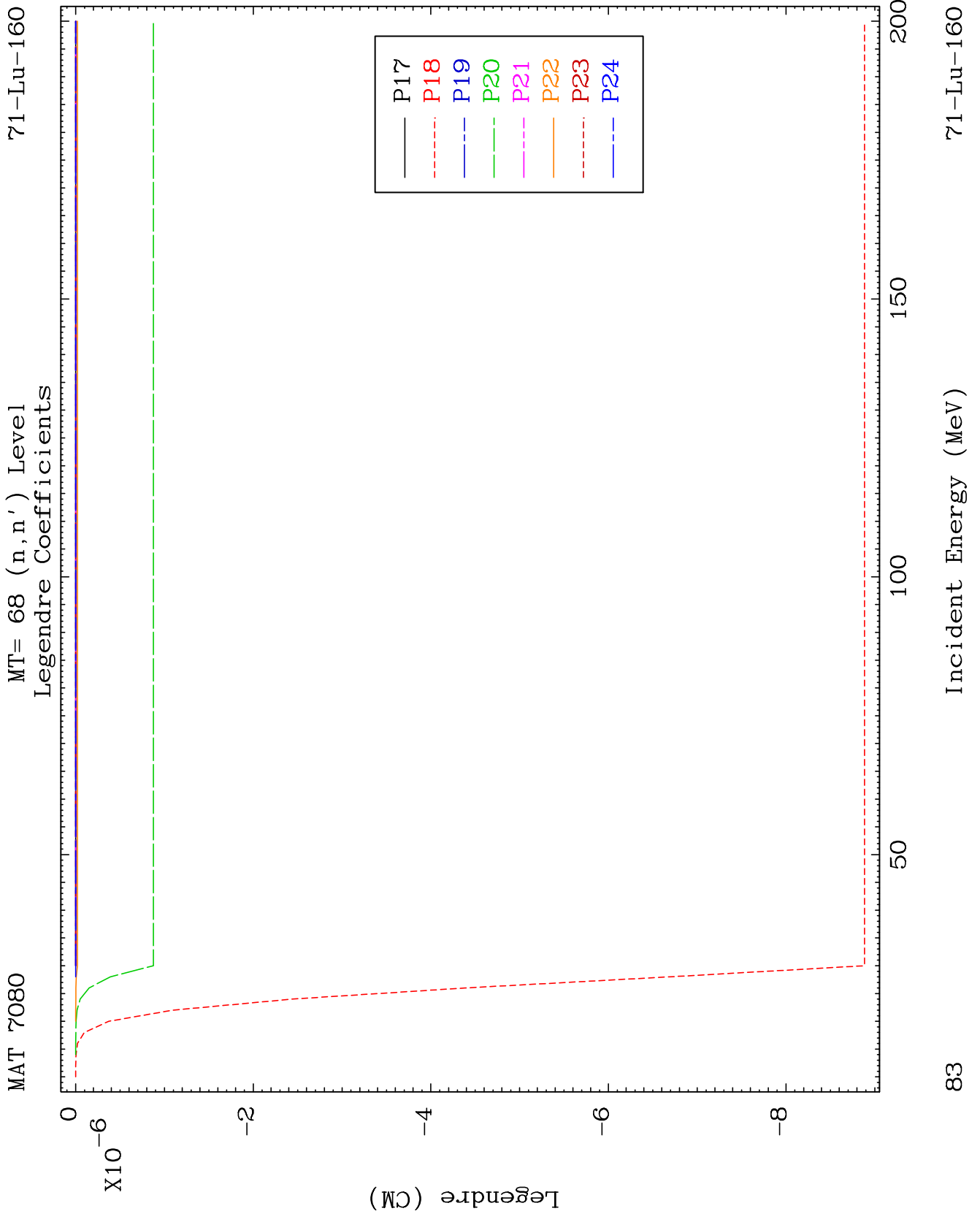


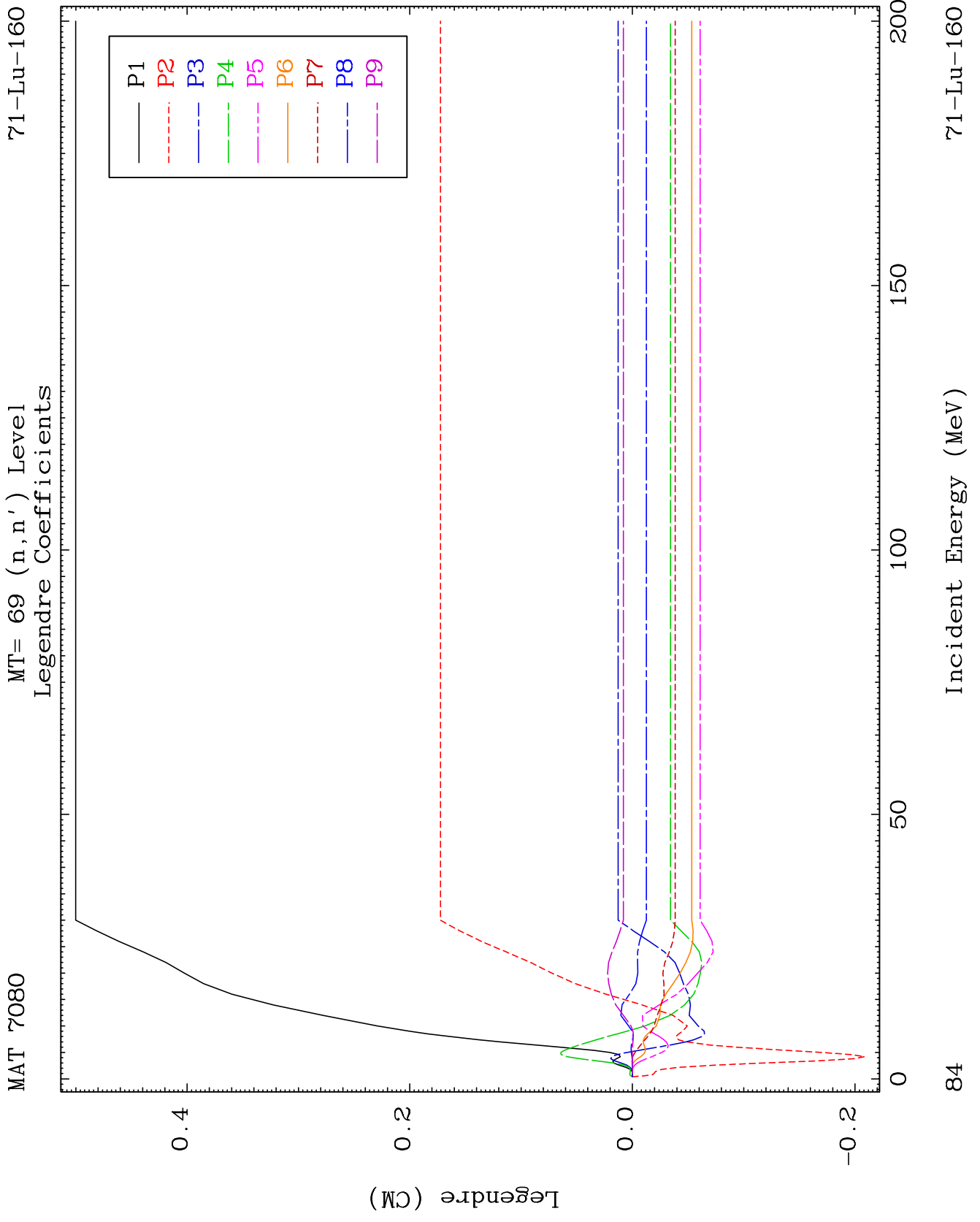
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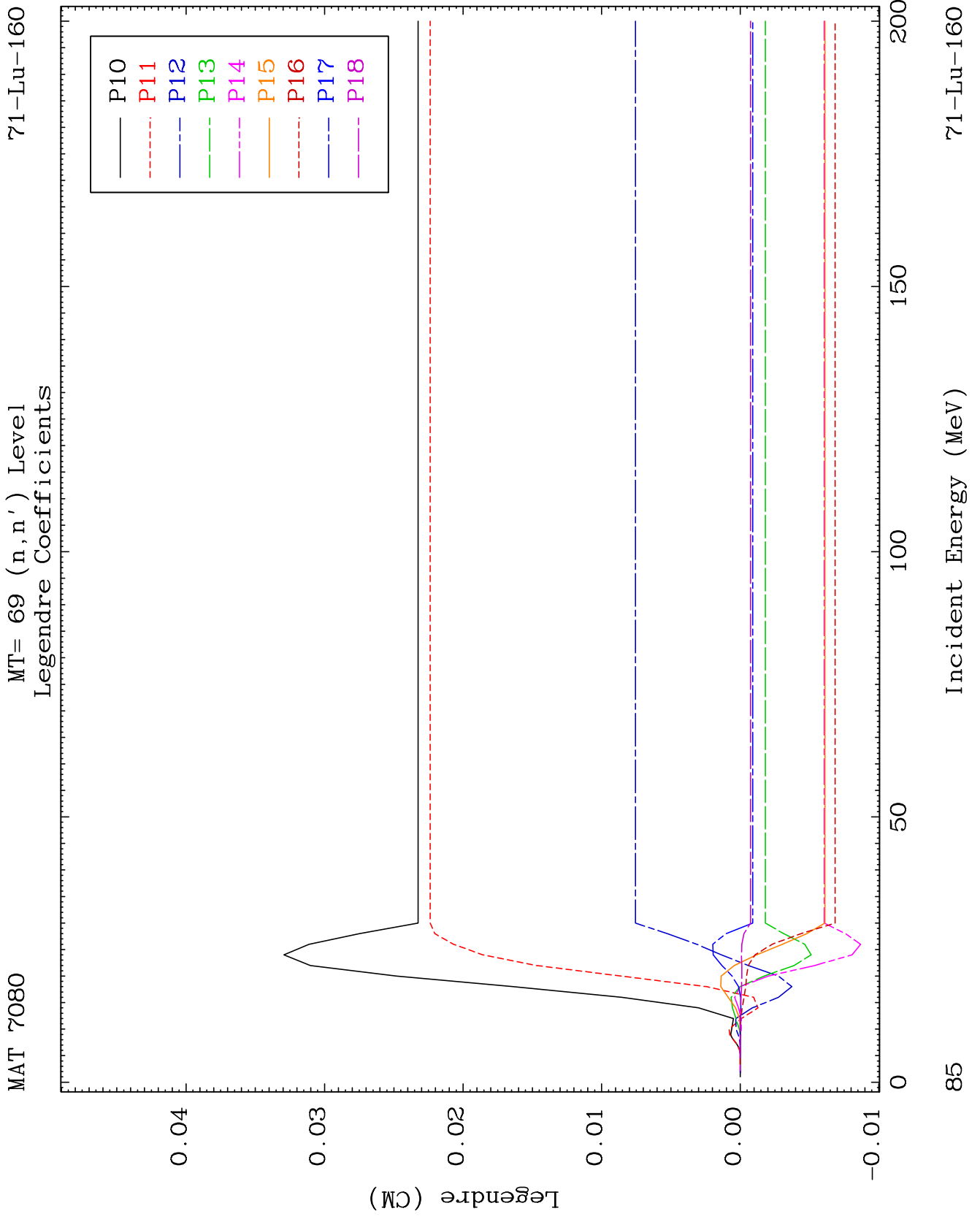
Incident Energy (MeV)

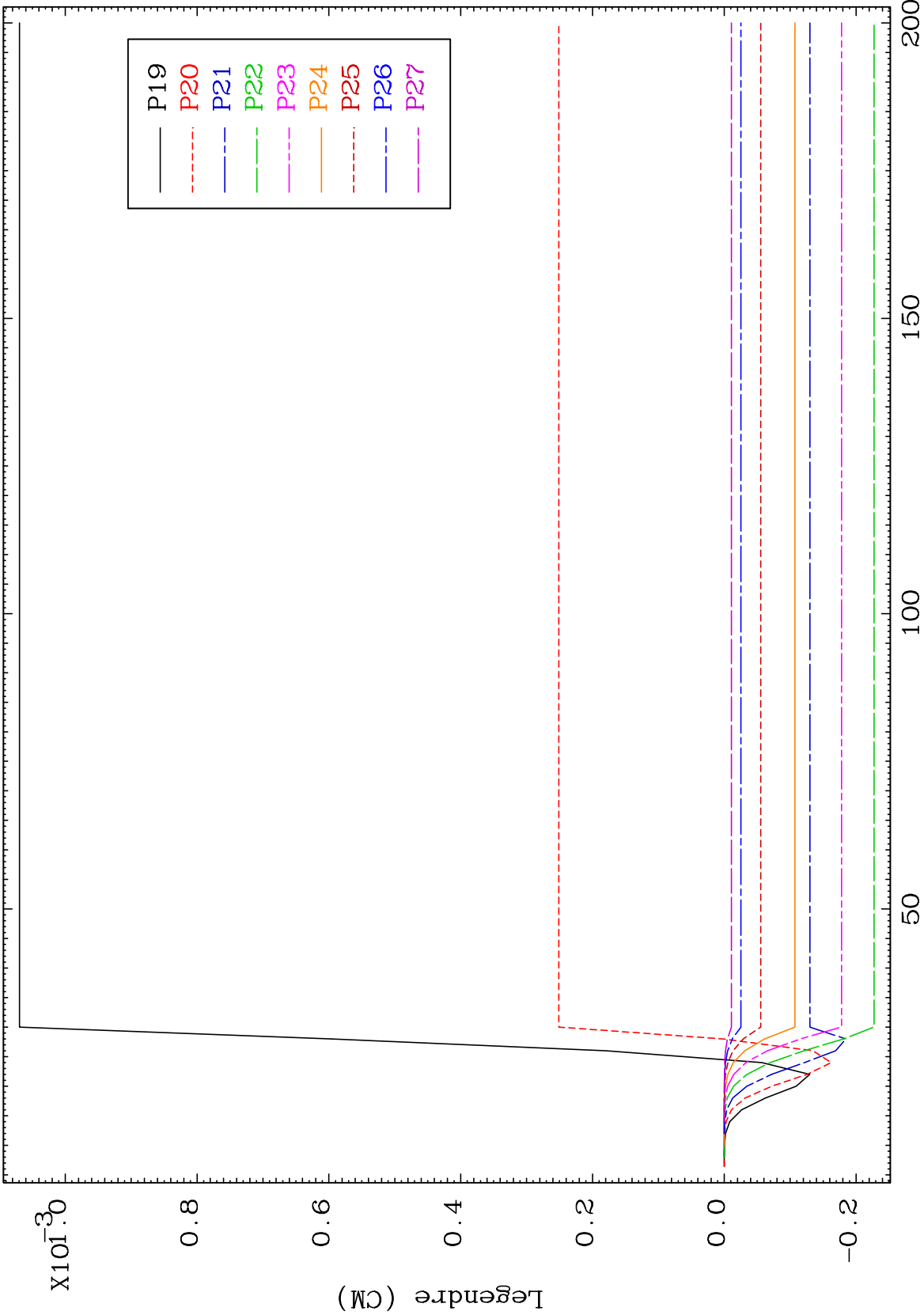
79

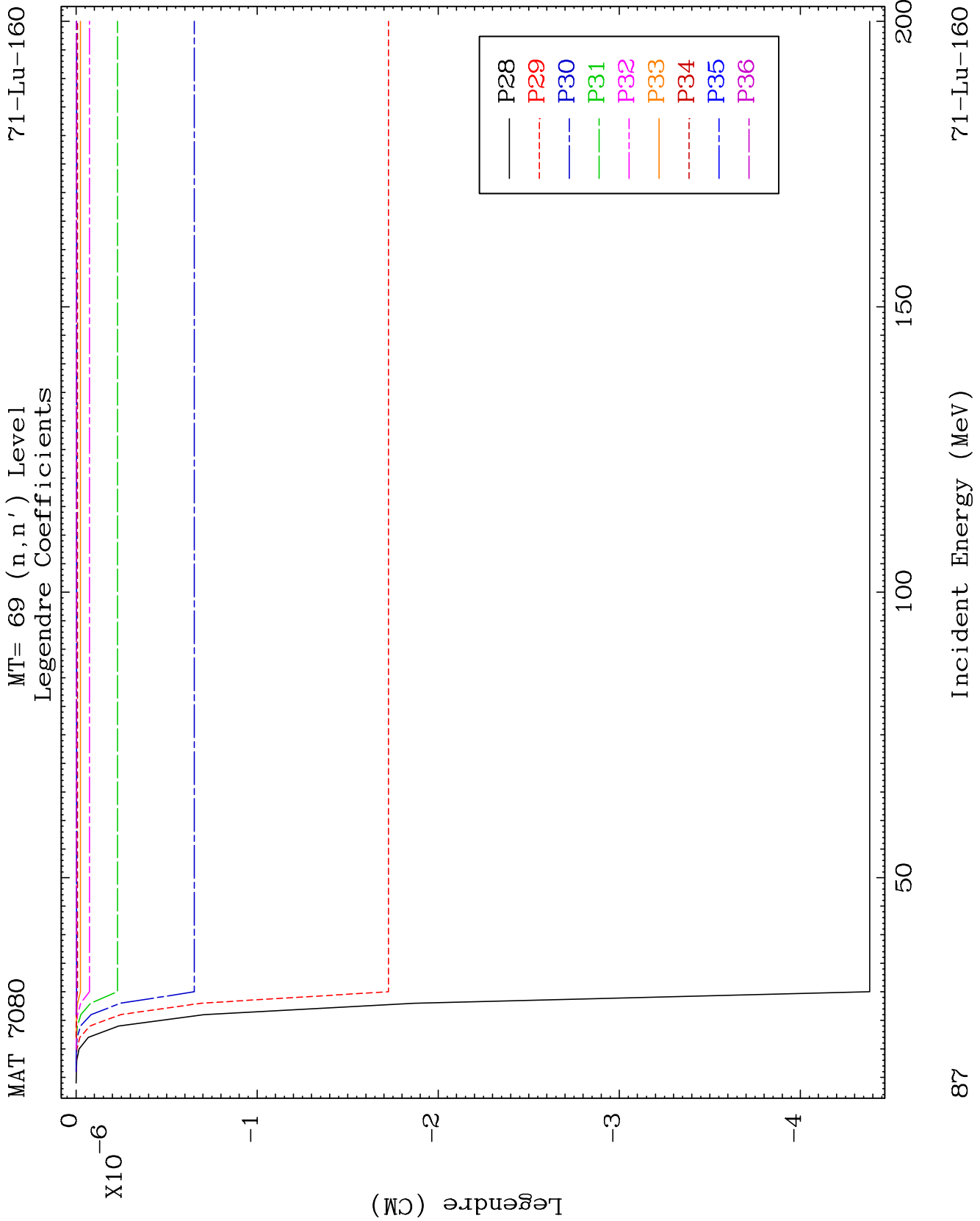


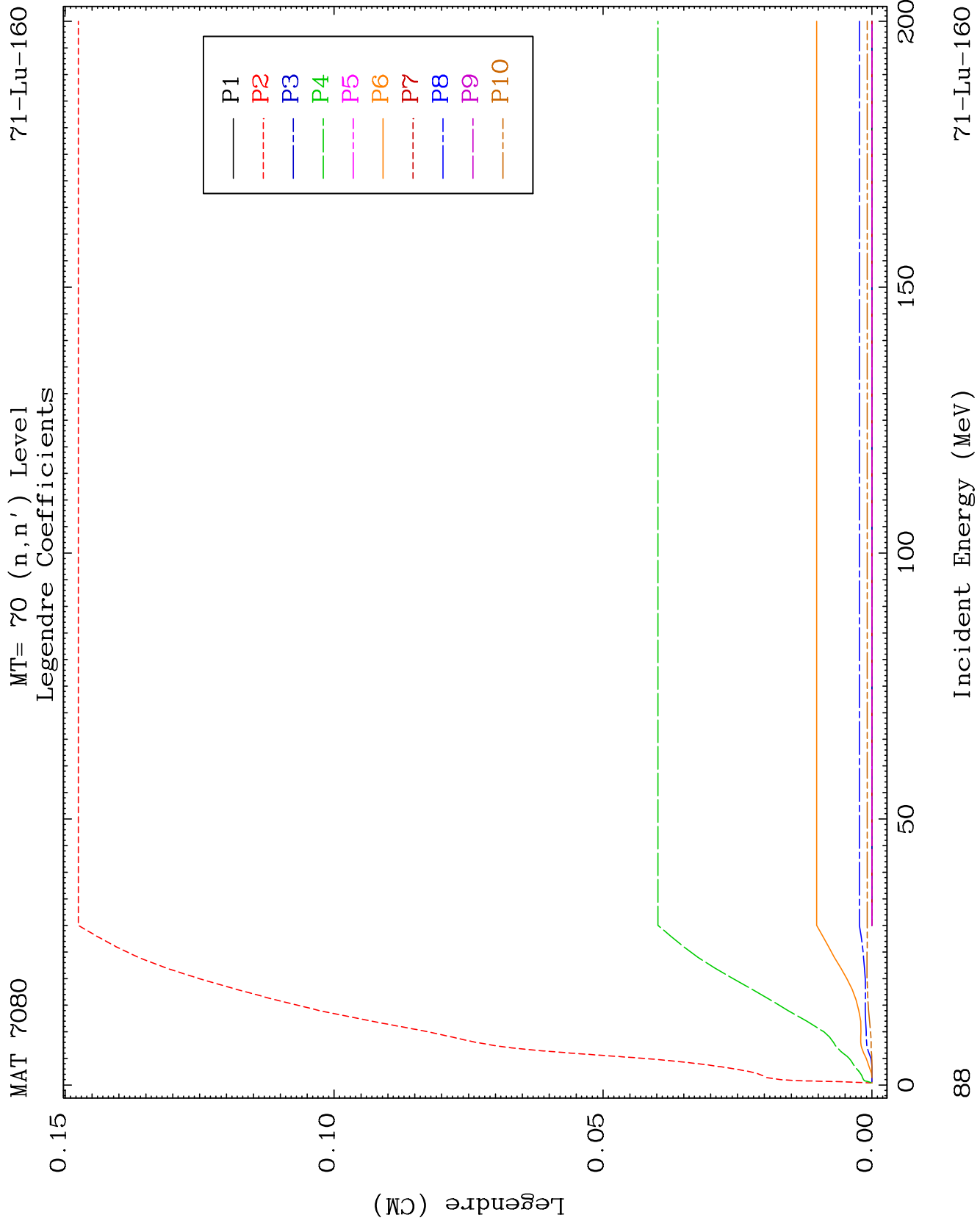








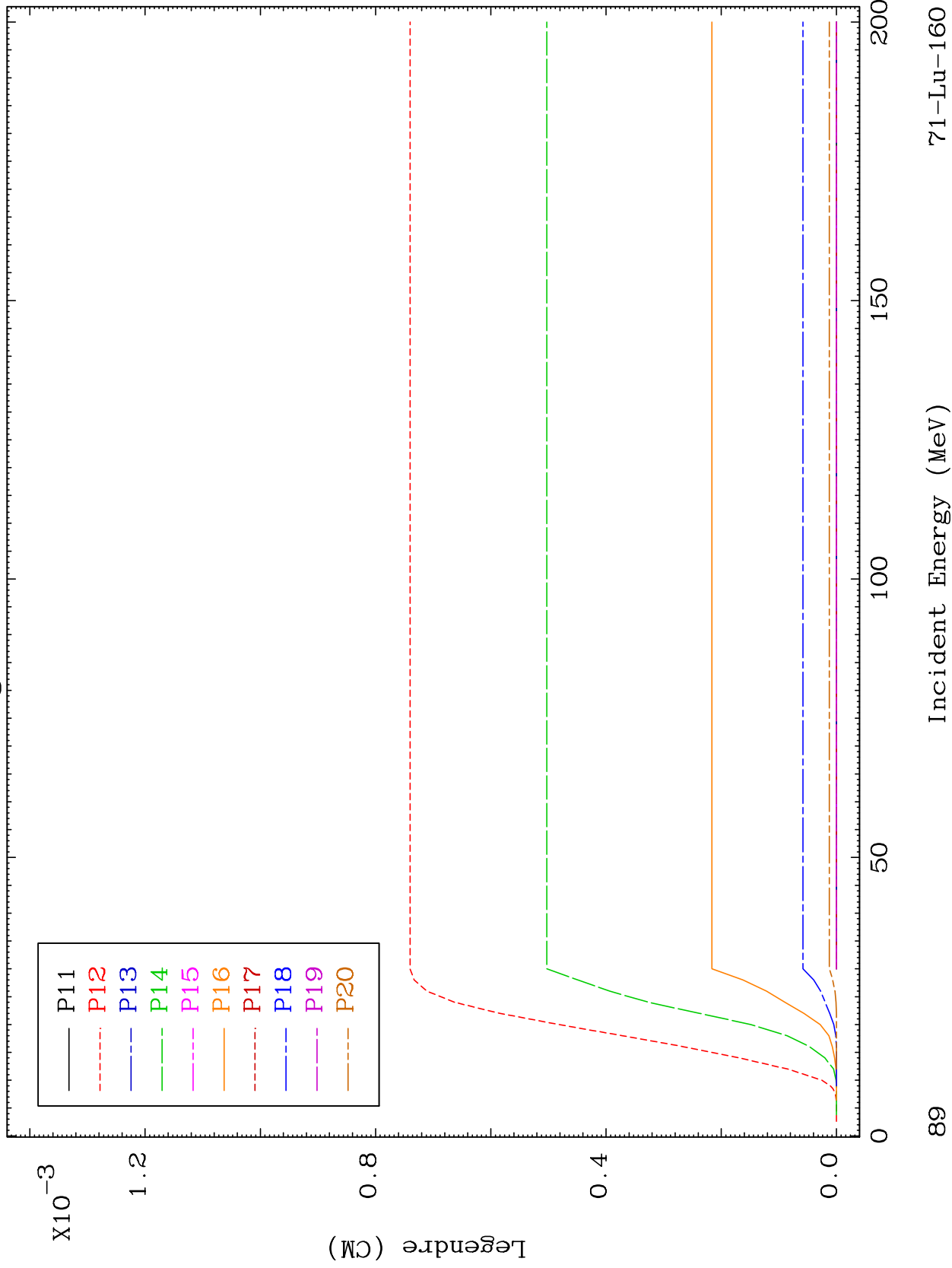


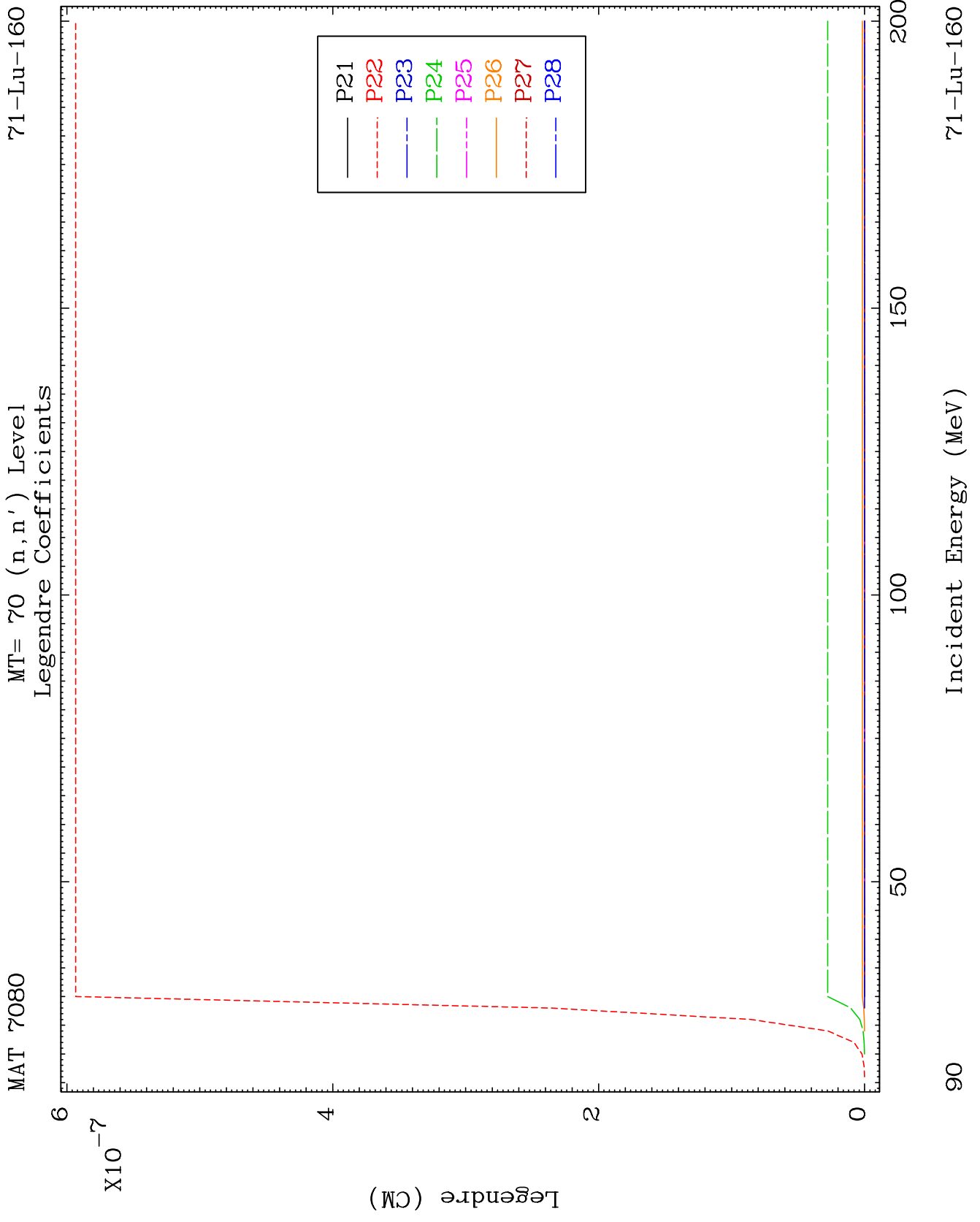


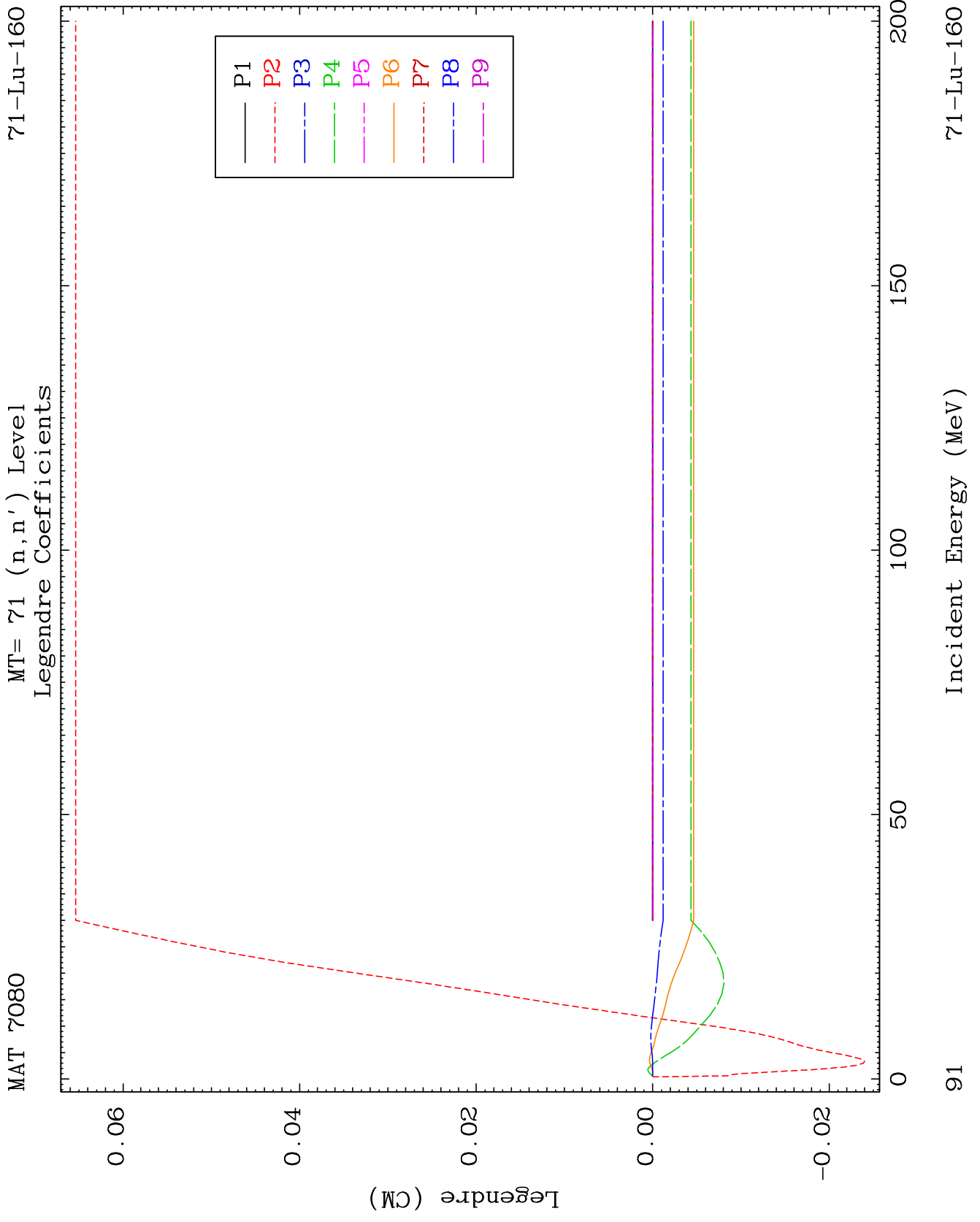
MAT 7080

MT= 70 (n,n') Level
Legendre Coefficients

71-Lu-160



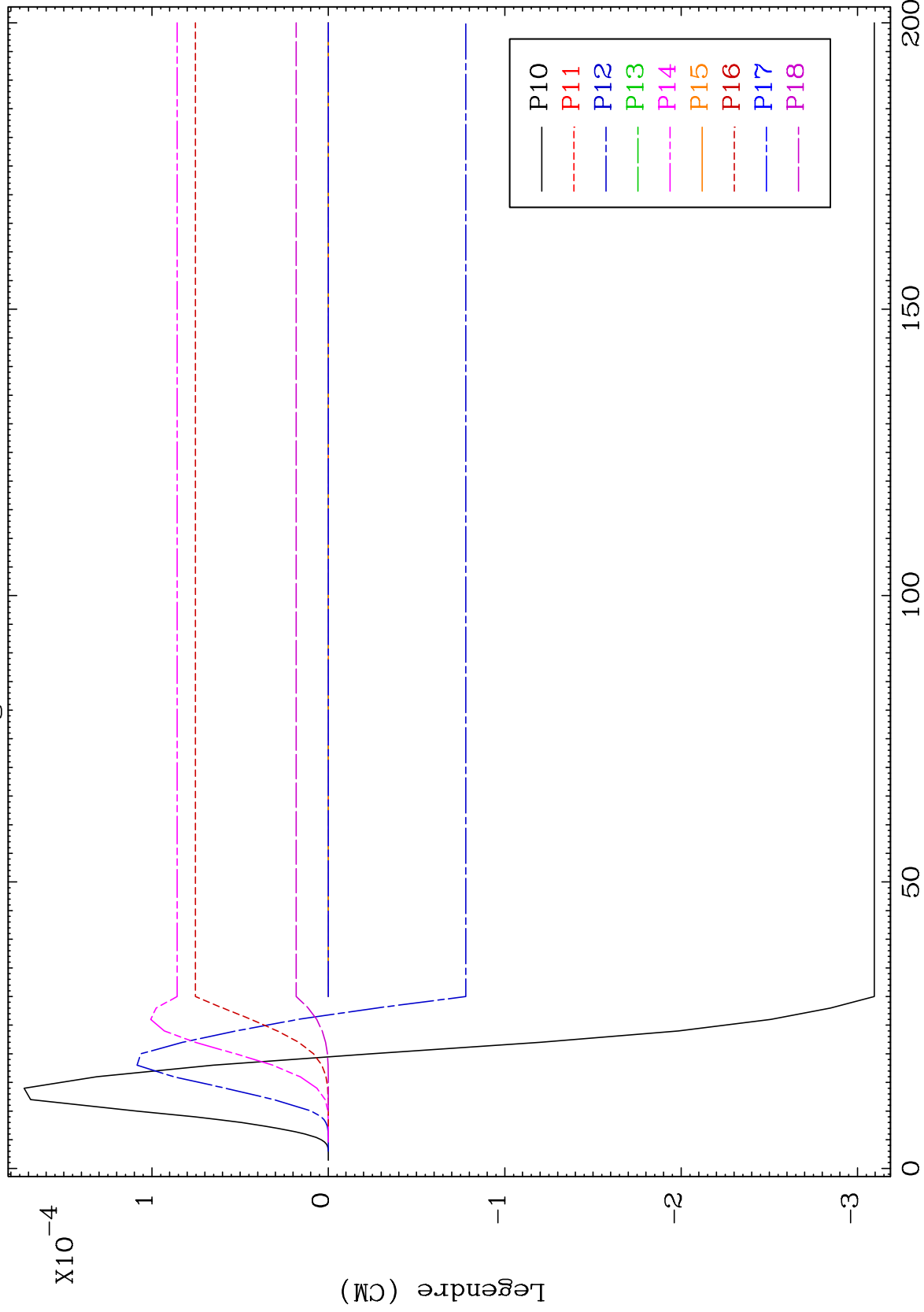




MAT 7080

MT= 71 (n,n') Level
Legendre Coefficients

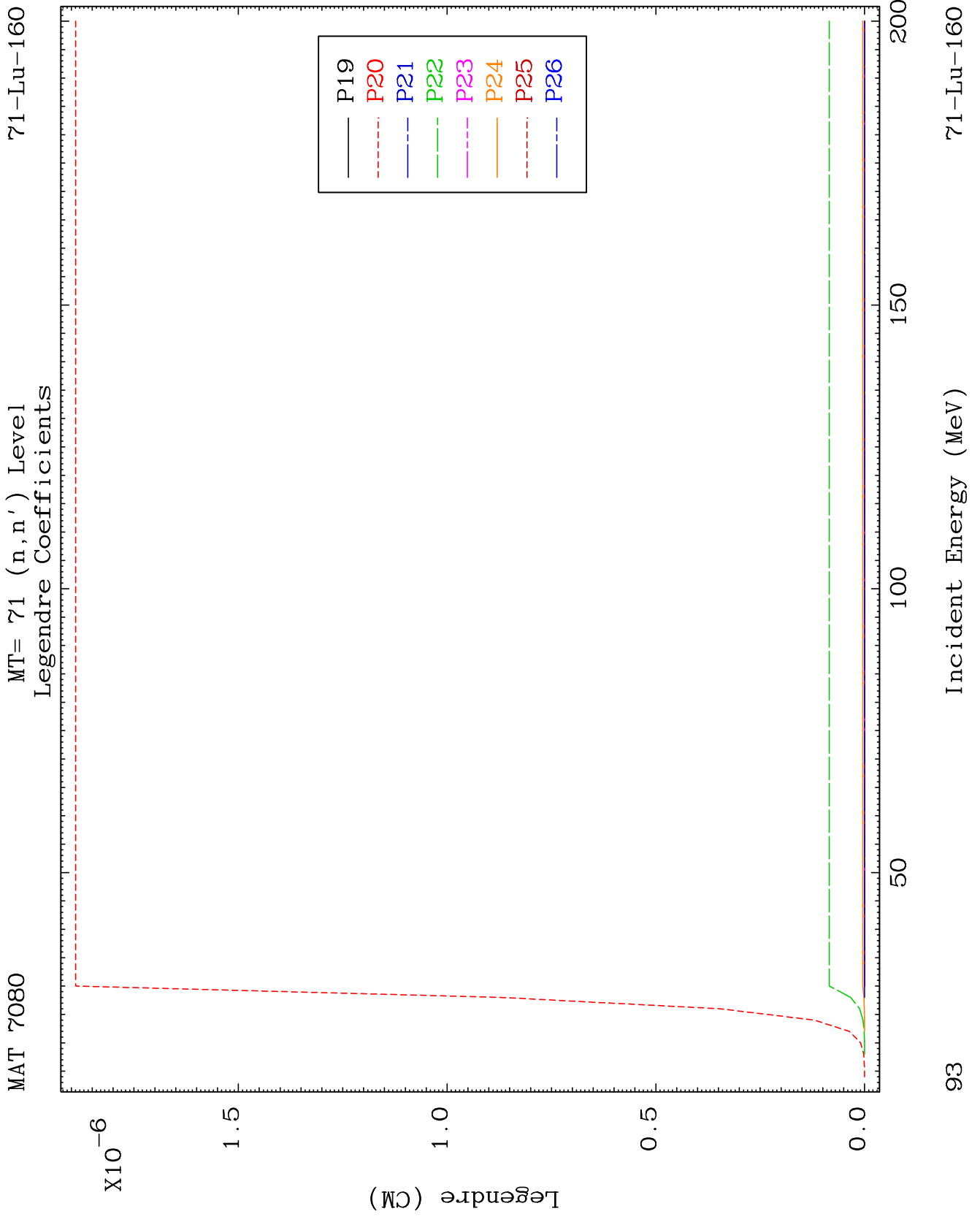
71-Lu-160

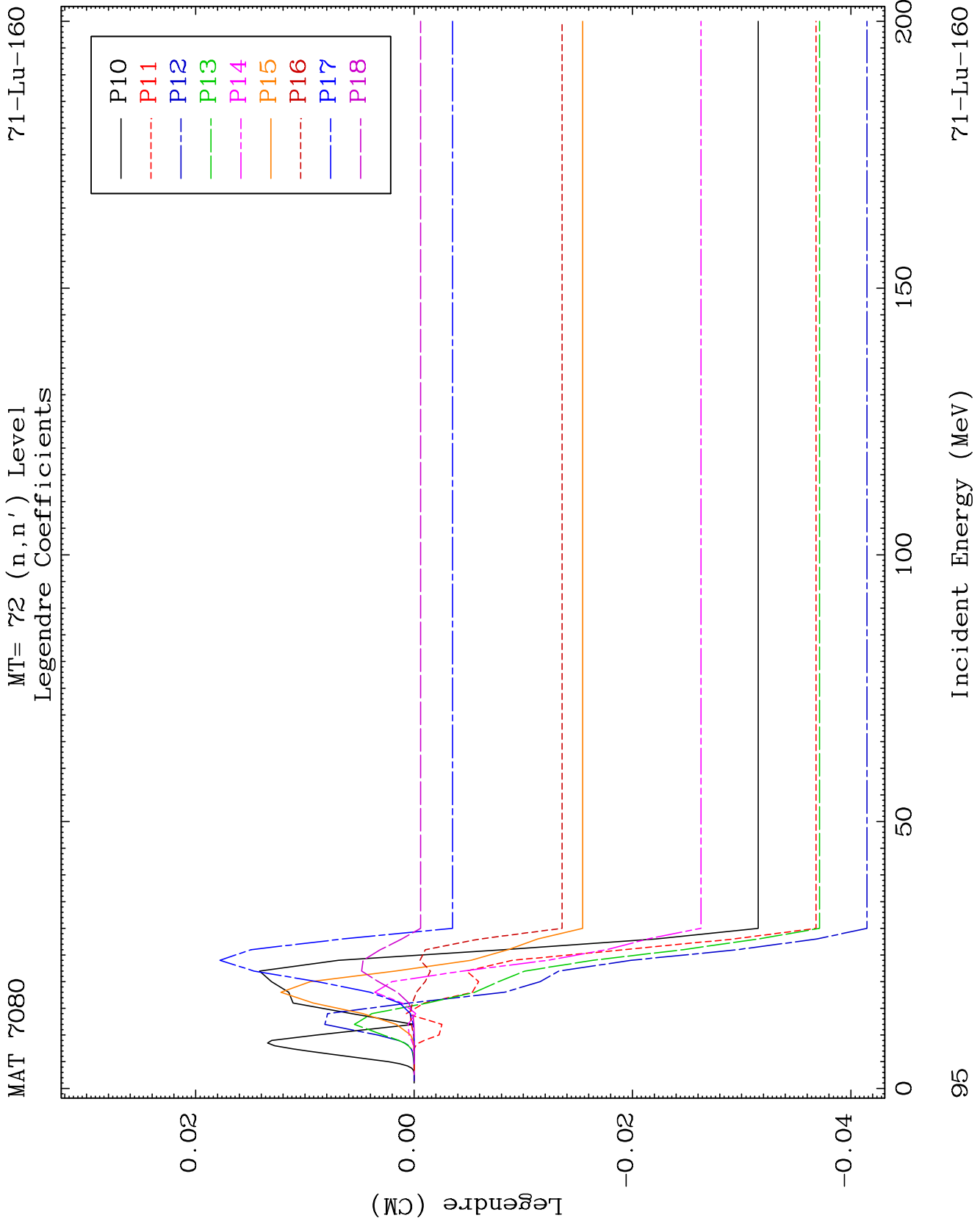


92

Incident Energy (MeV)

71-Lu-160

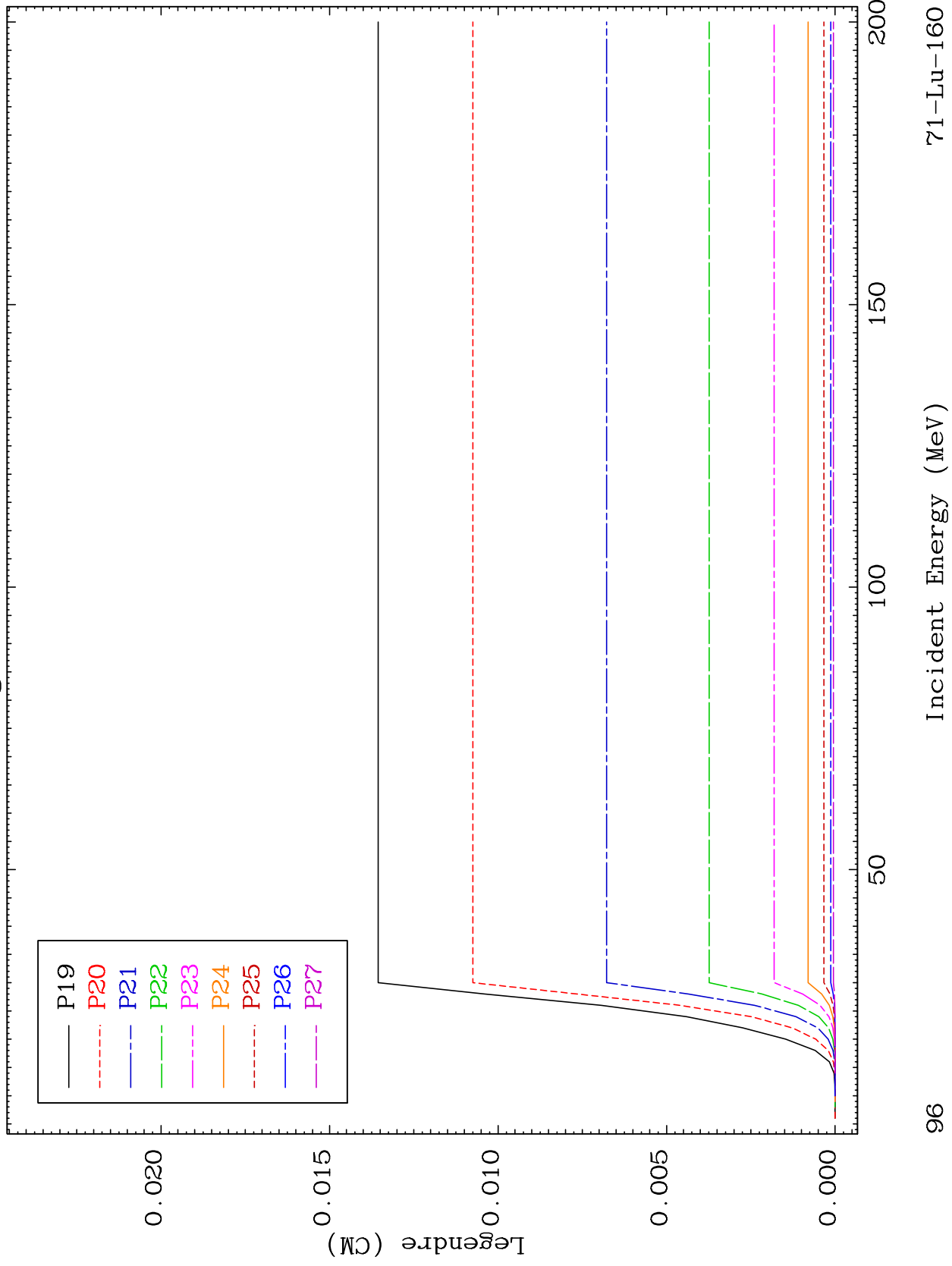




MAT 7080

MT= 72 (n,n') Level
Legendre Coefficients

71-Lu-160



96

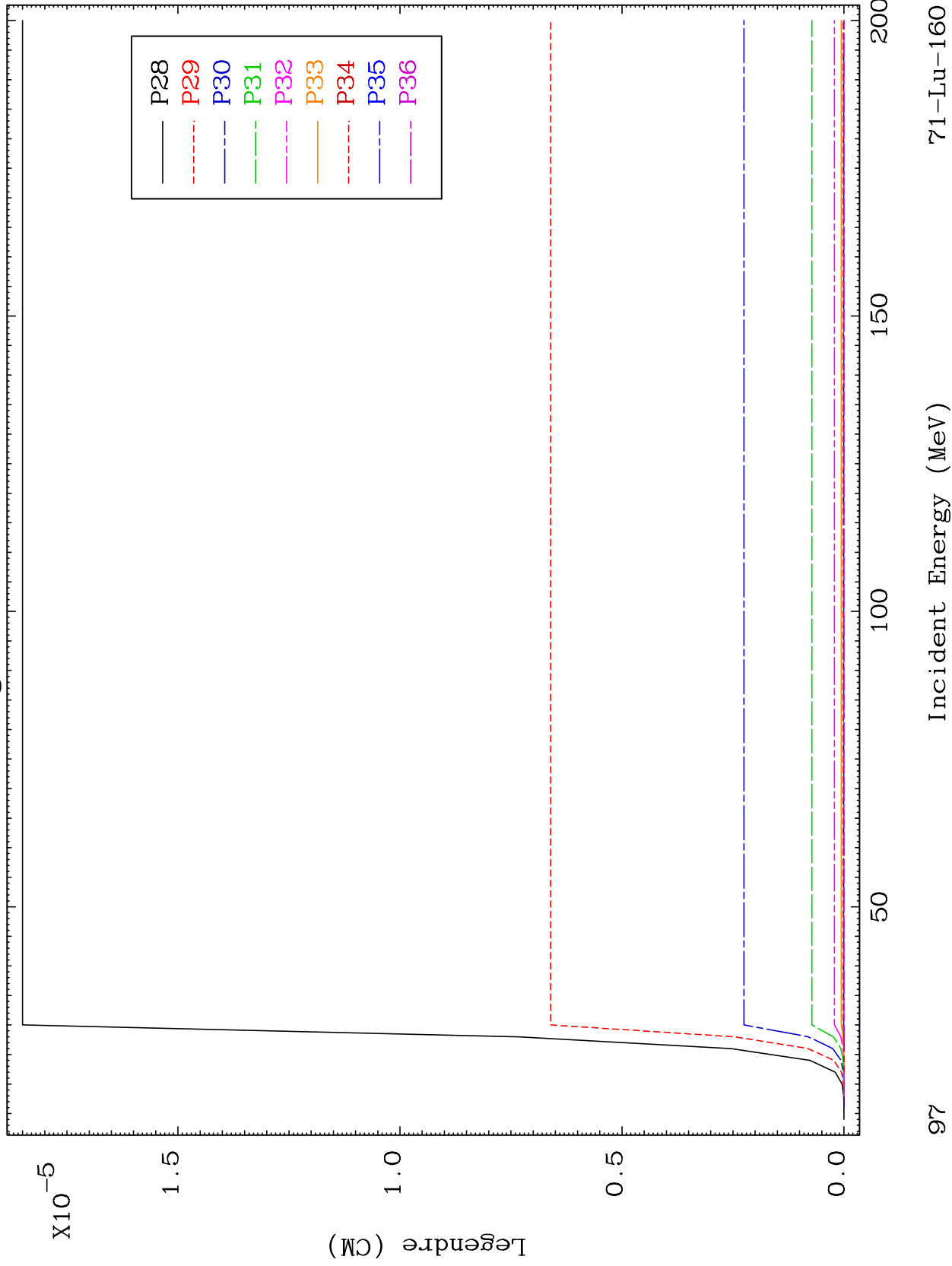
Incident Energy (MeV)

71-Lu-160

MAT 7080

MT= 72 (n,n') Level
Legendre Coefficients

71-Lu-160

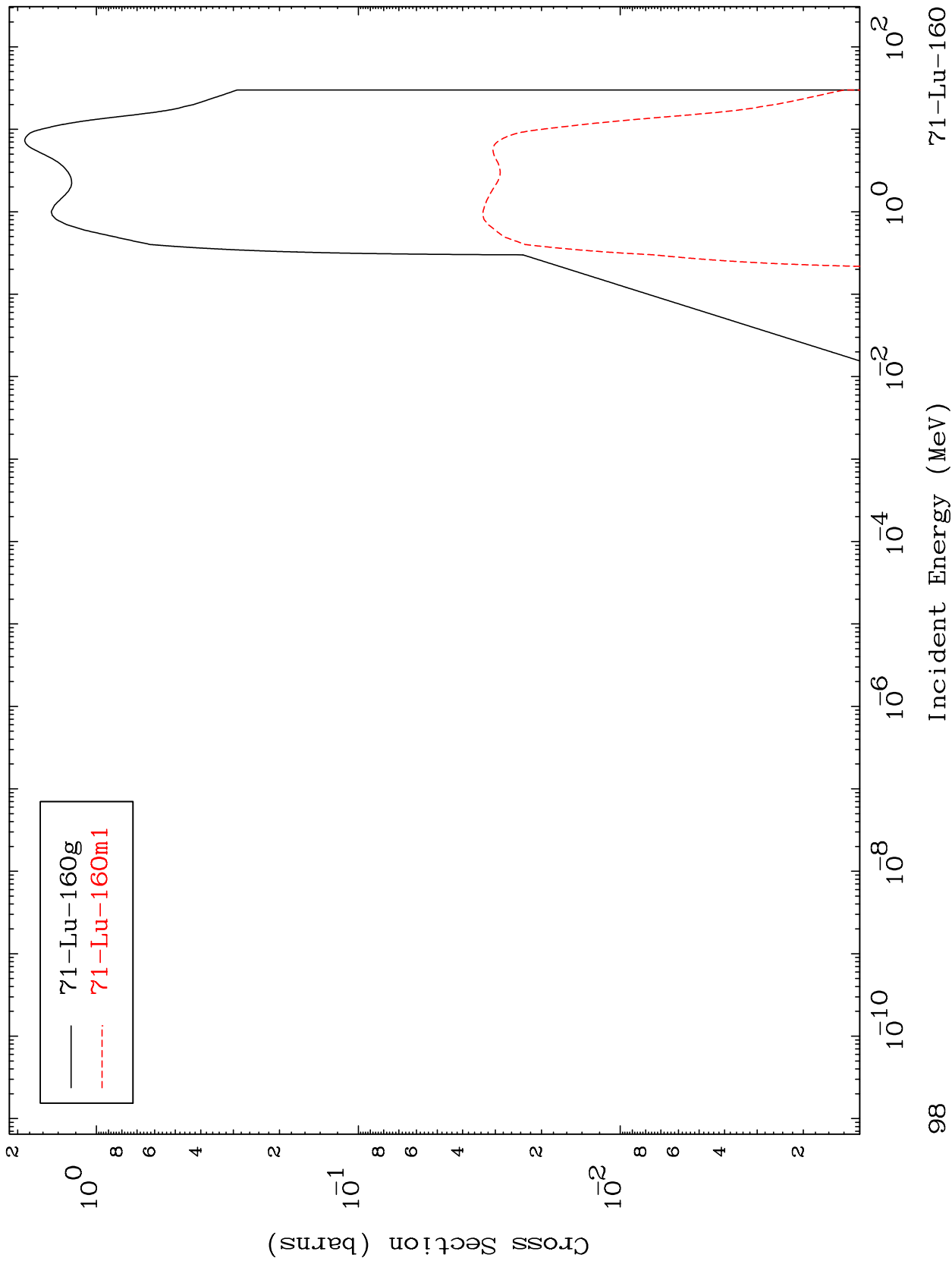


MAT 7080

Inelastic

⁷¹Lu-160

Radionuclide Production Cross Section



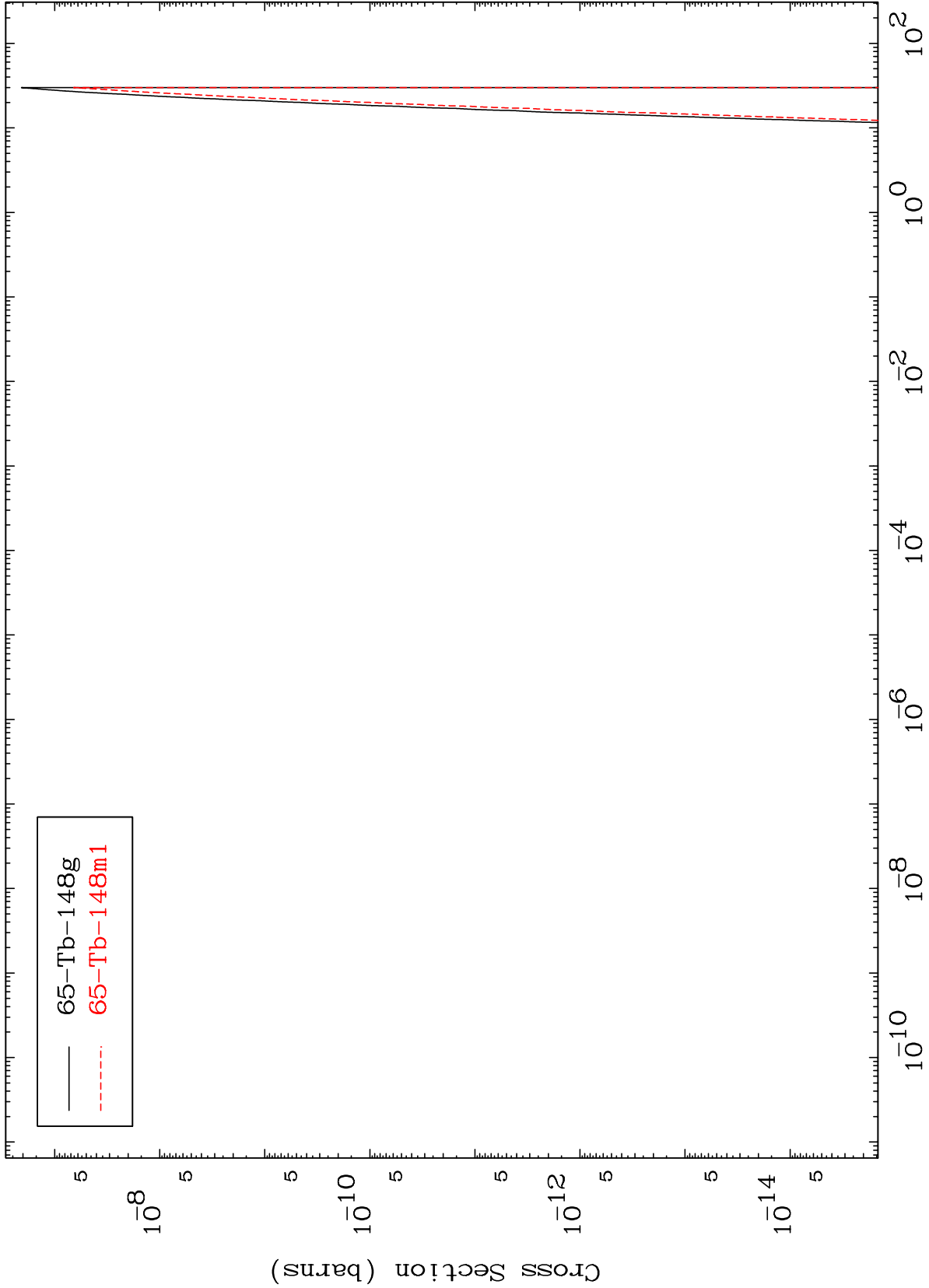
— ⁷¹Lu-160g
- - - ⁷¹Lu-160m1

MAT 7080

(n,n') 3 α

⁷¹Lu-160

Radionuclide Production Cross Section

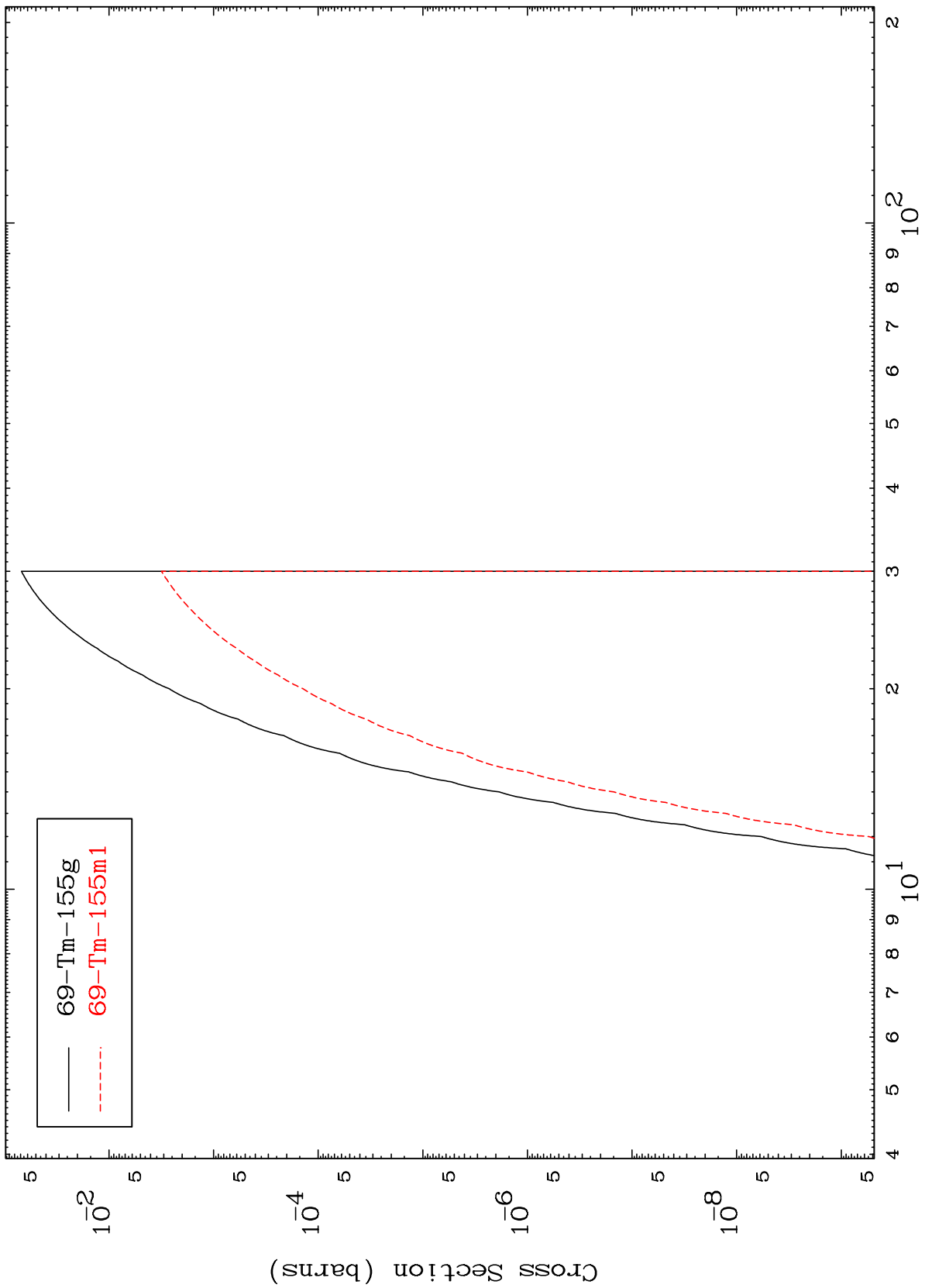


MAT 7080

$(n,2n) \alpha$

$^{71}\text{Lu-160}$

Radionuclide Production Cross Section



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

100

Incident Energy (MeV)

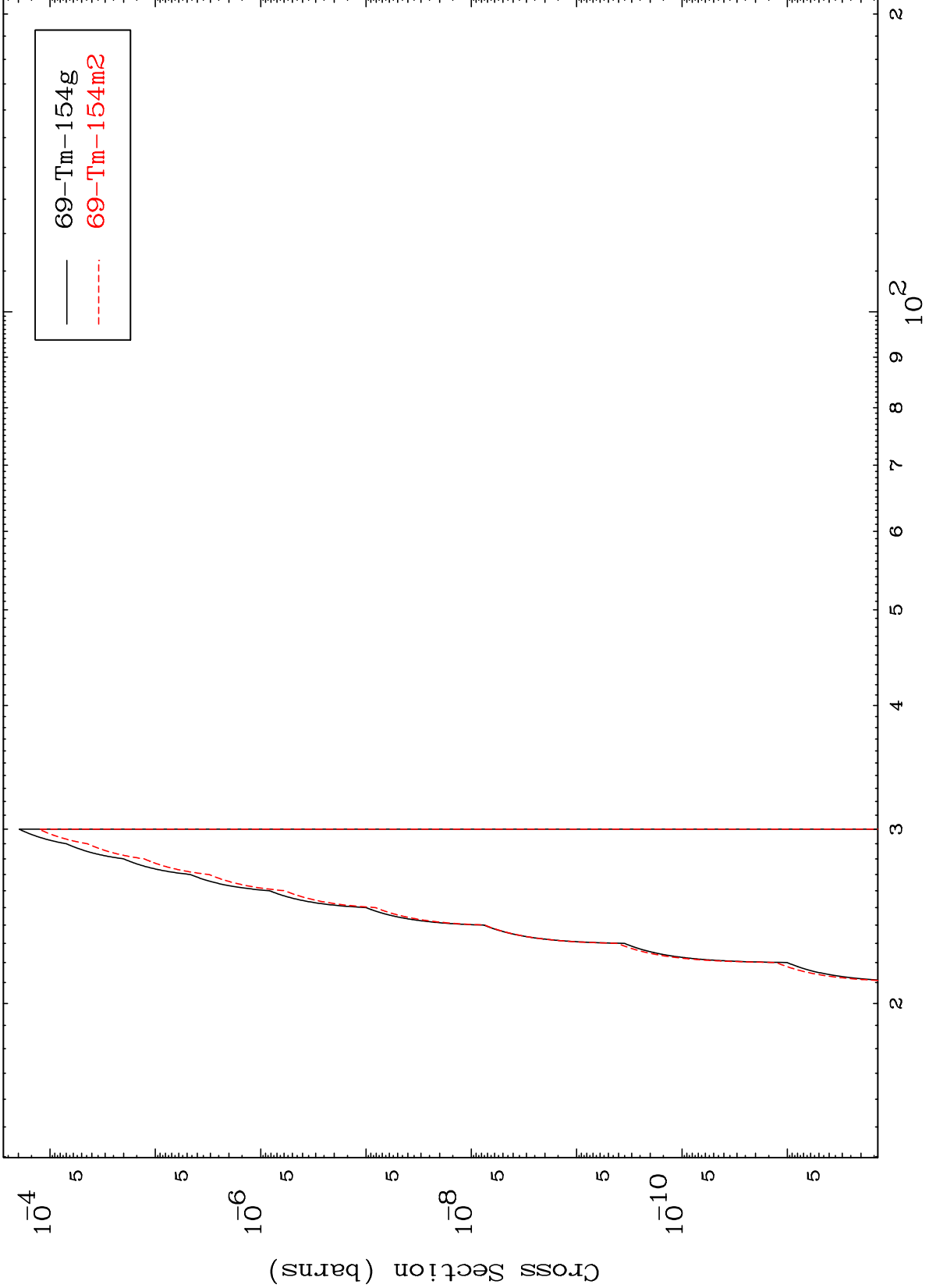
$^{71}\text{Lu-160}$

MAT 7080

$(n,3n) \alpha$

$^{71}\text{Lu-160}$

Radionuclide Production Cross Section



101

Incident Energy (MeV)

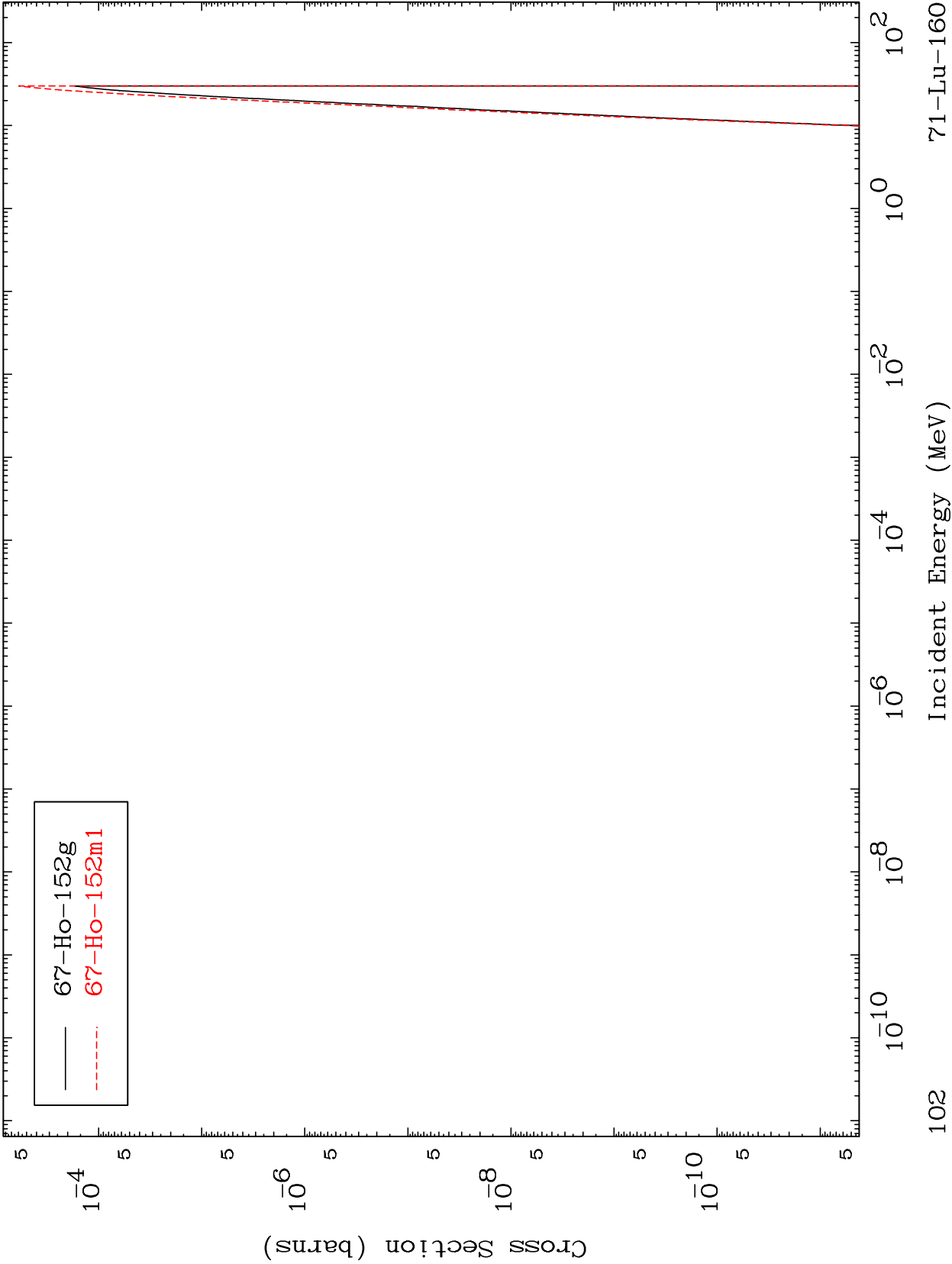
$^{71}\text{Lu-160}$

MAT 7080

(n, n') 2α

$^{71}\text{Lu-160}$

Radionuclide Production Cross Section



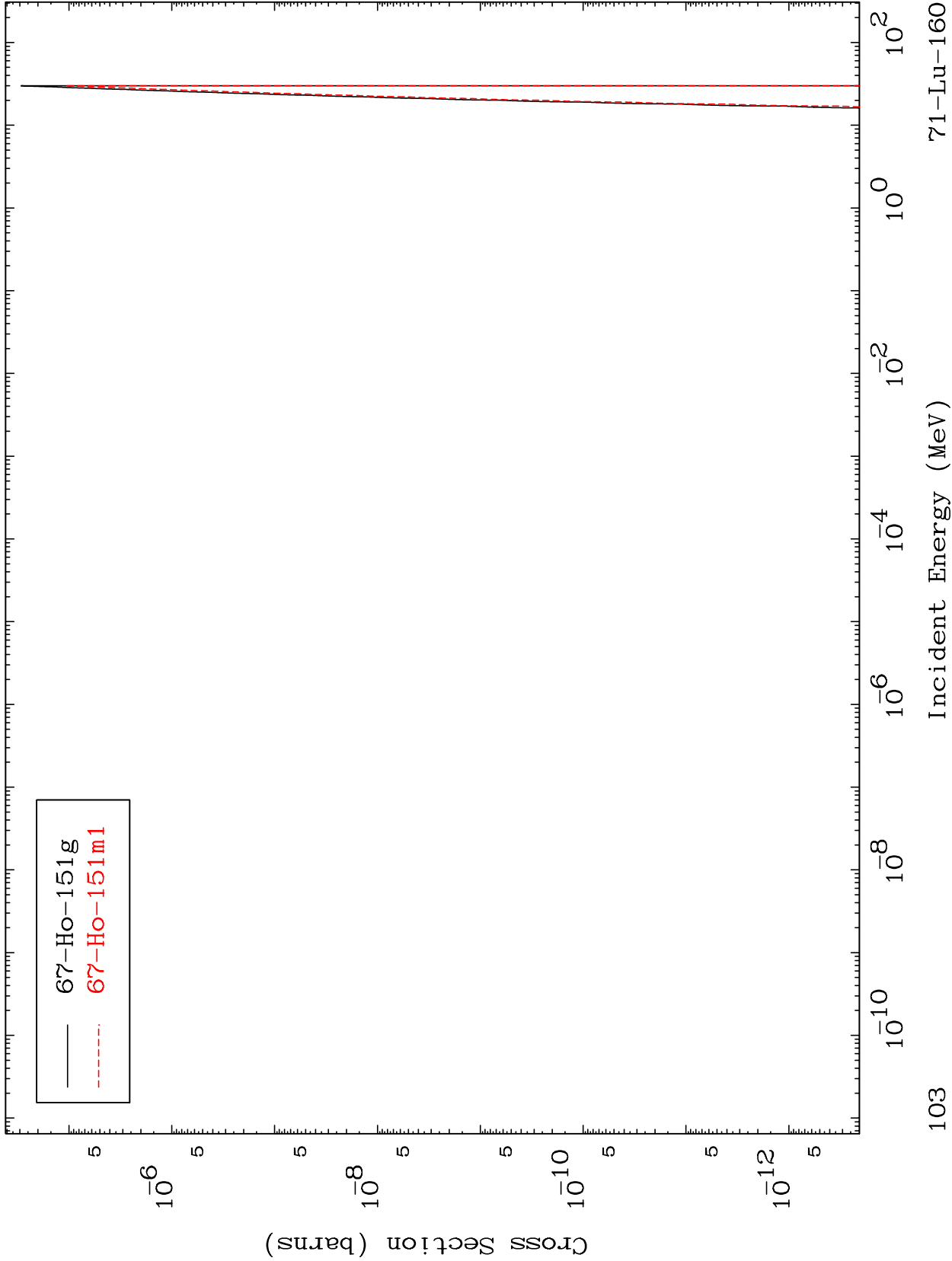
— $^{67}\text{Ho-152g}$
- - - $^{67}\text{Ho-152m1}$

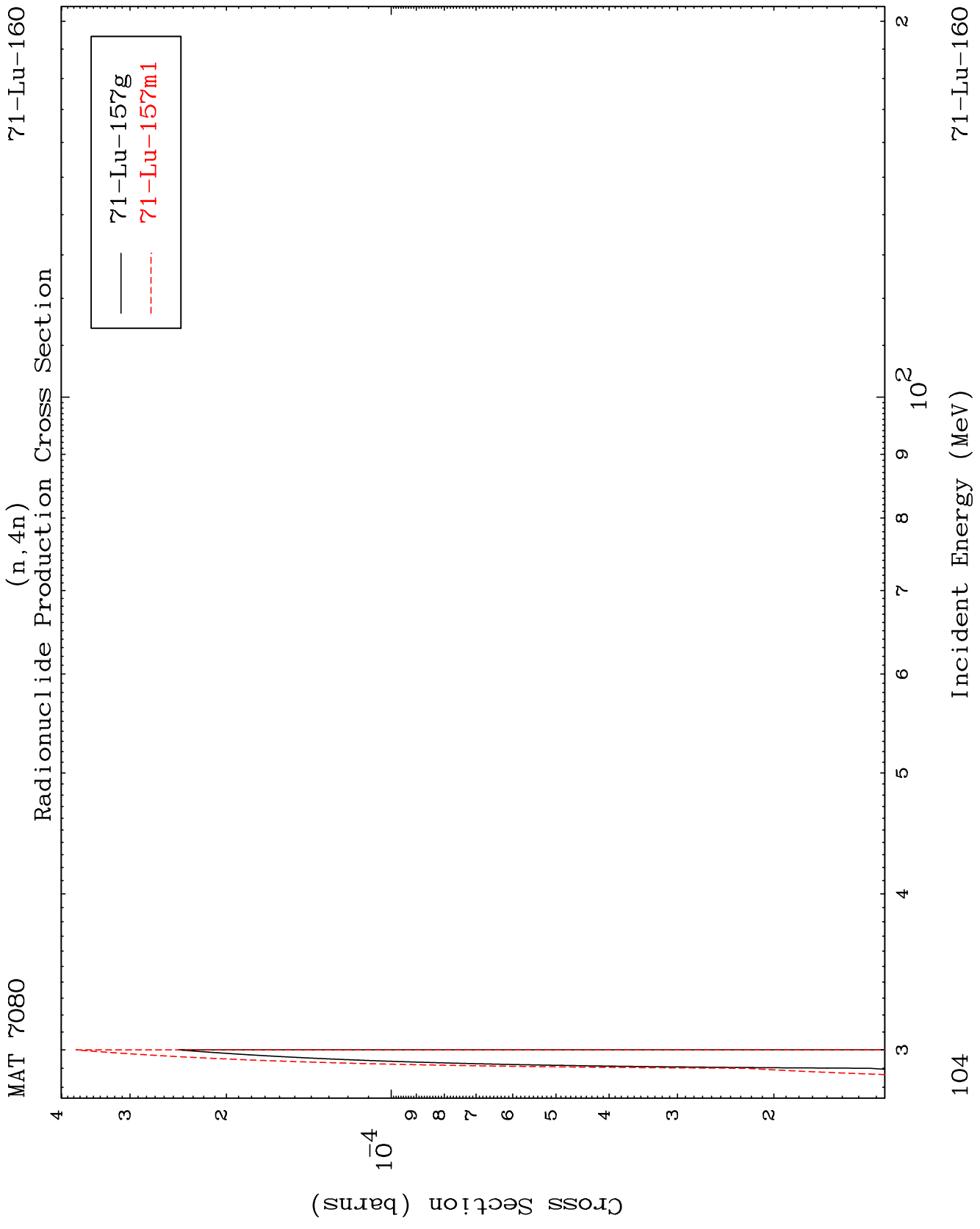
MAT 7080

(n,2n) 2α

71-Lu-160

Radionuclide Production Cross Section



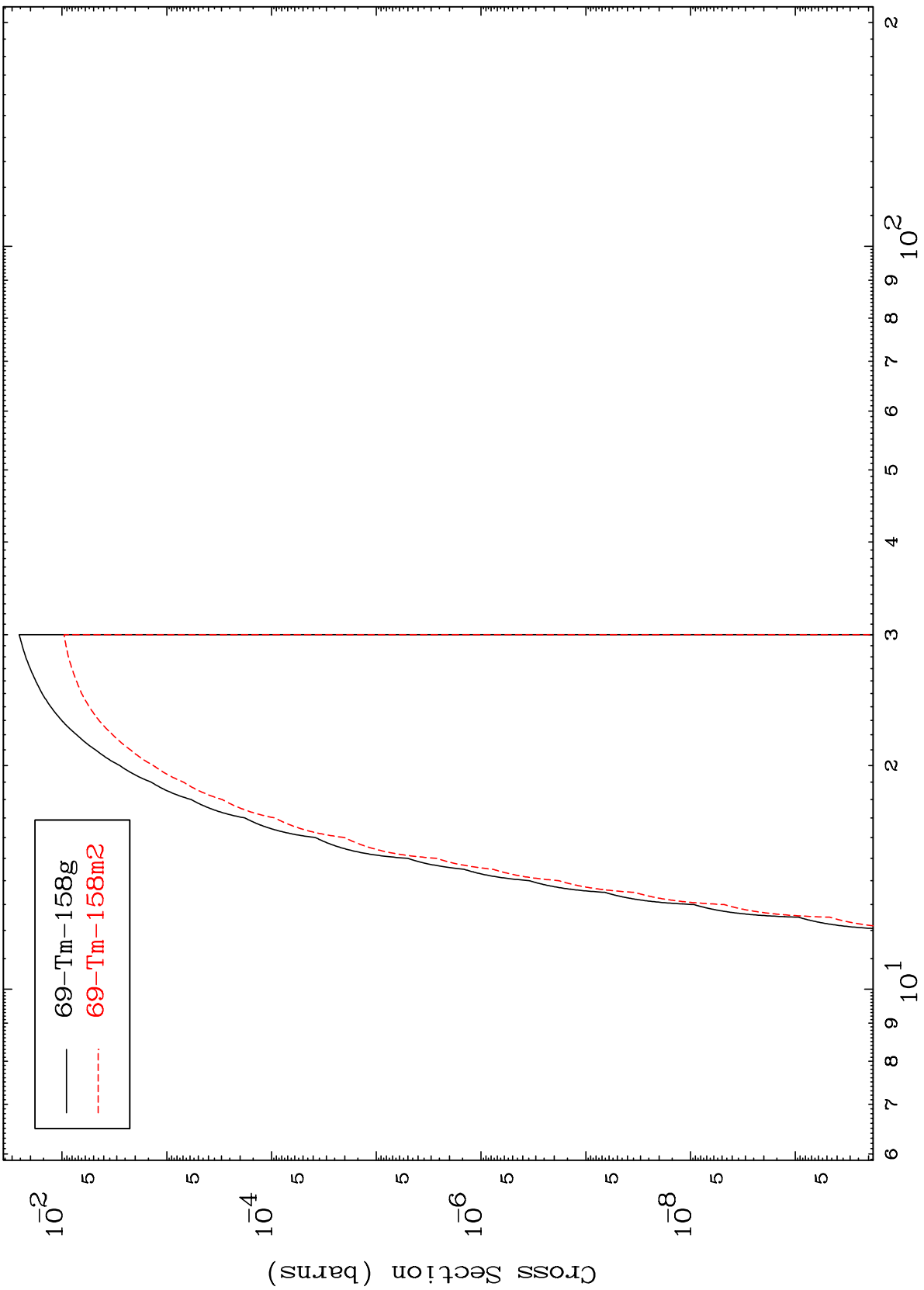


MAT 7080

(n,2n) p

71-Lu-160

Radionuclide Production Cross Section



105

Incident Energy (MeV)

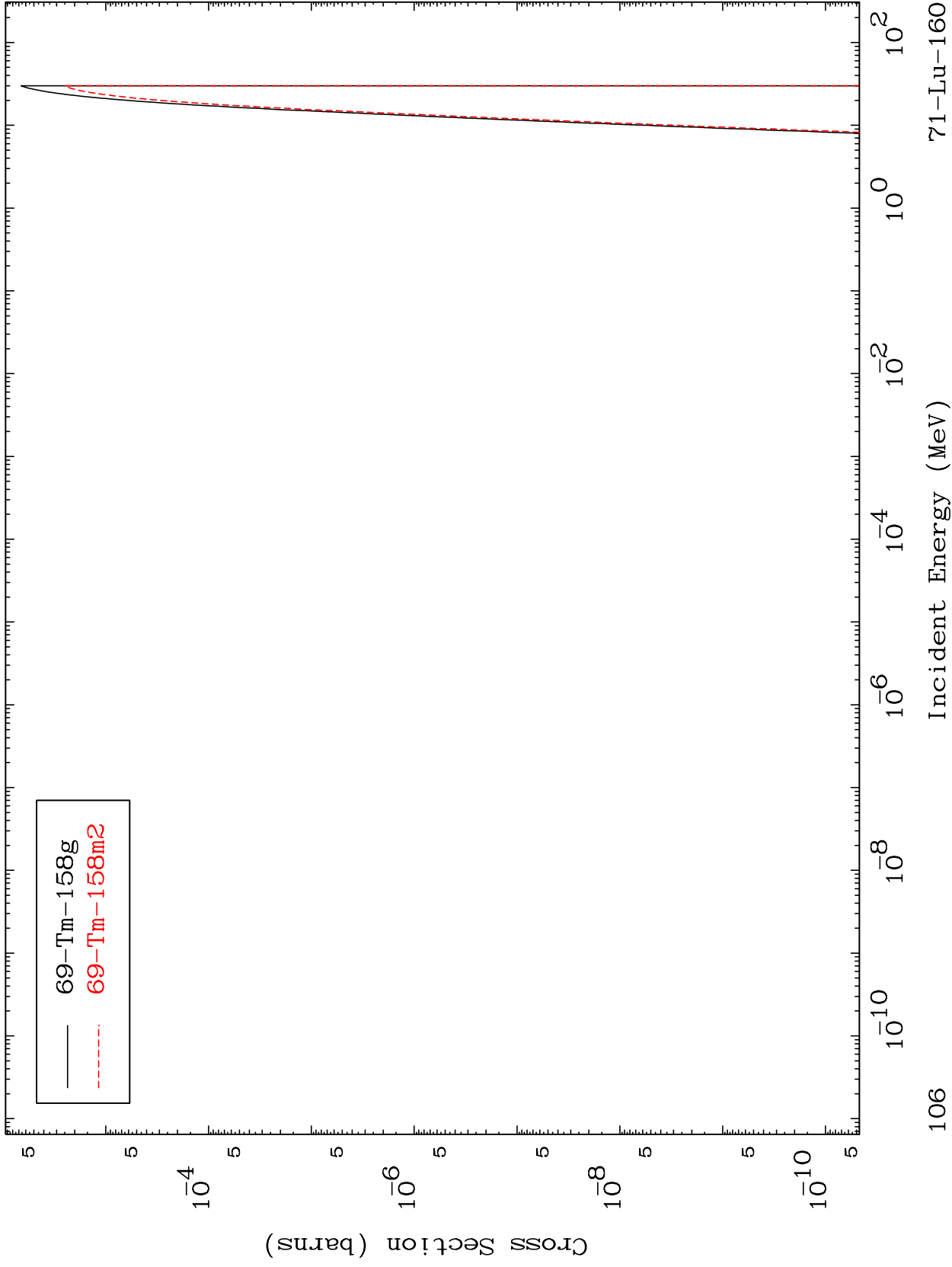
71-Lu-160

MAT 7080

(n,He-3)

71-Lu-160

Radionuclide Production Cross Section



106

Incident Energy (MeV)

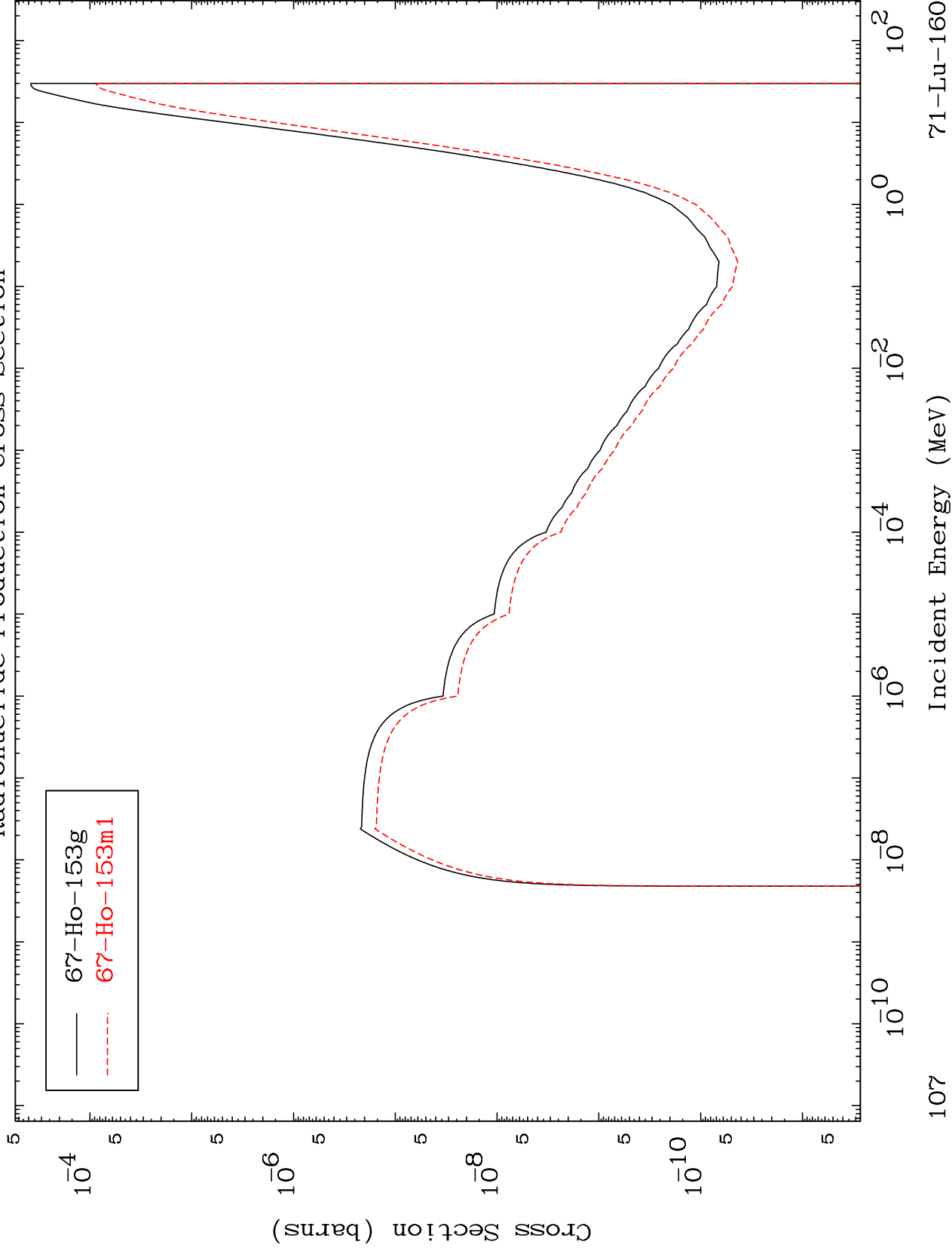
71-Lu-160

MAT 7080

(n,2α)

⁷¹Lu-160

Radionuclide Production Cross Section



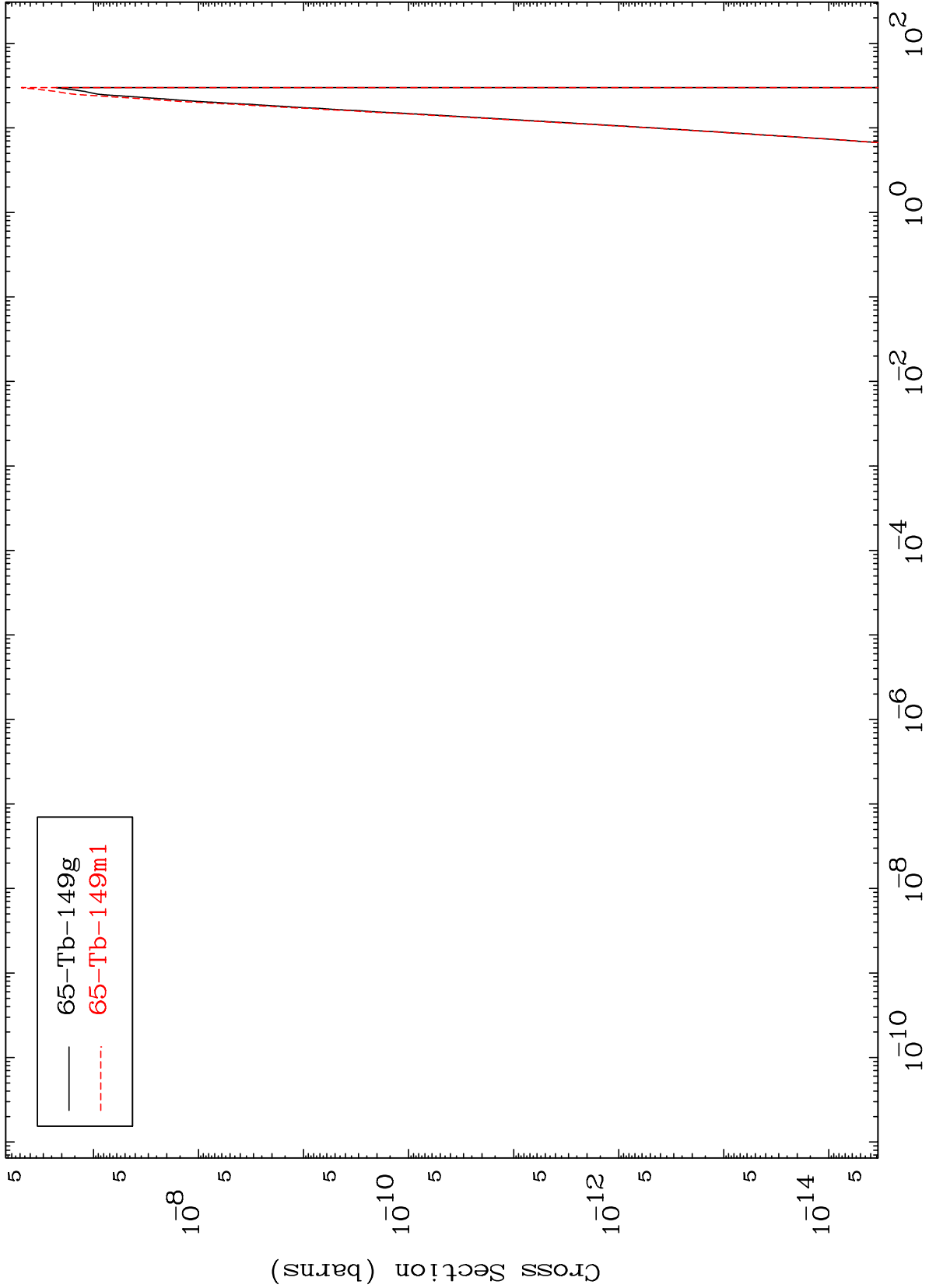
107

MAT 7080

(n, 3α)

⁷¹Lu-160

Radionuclide Production Cross Section



108

Incident Energy (MeV)

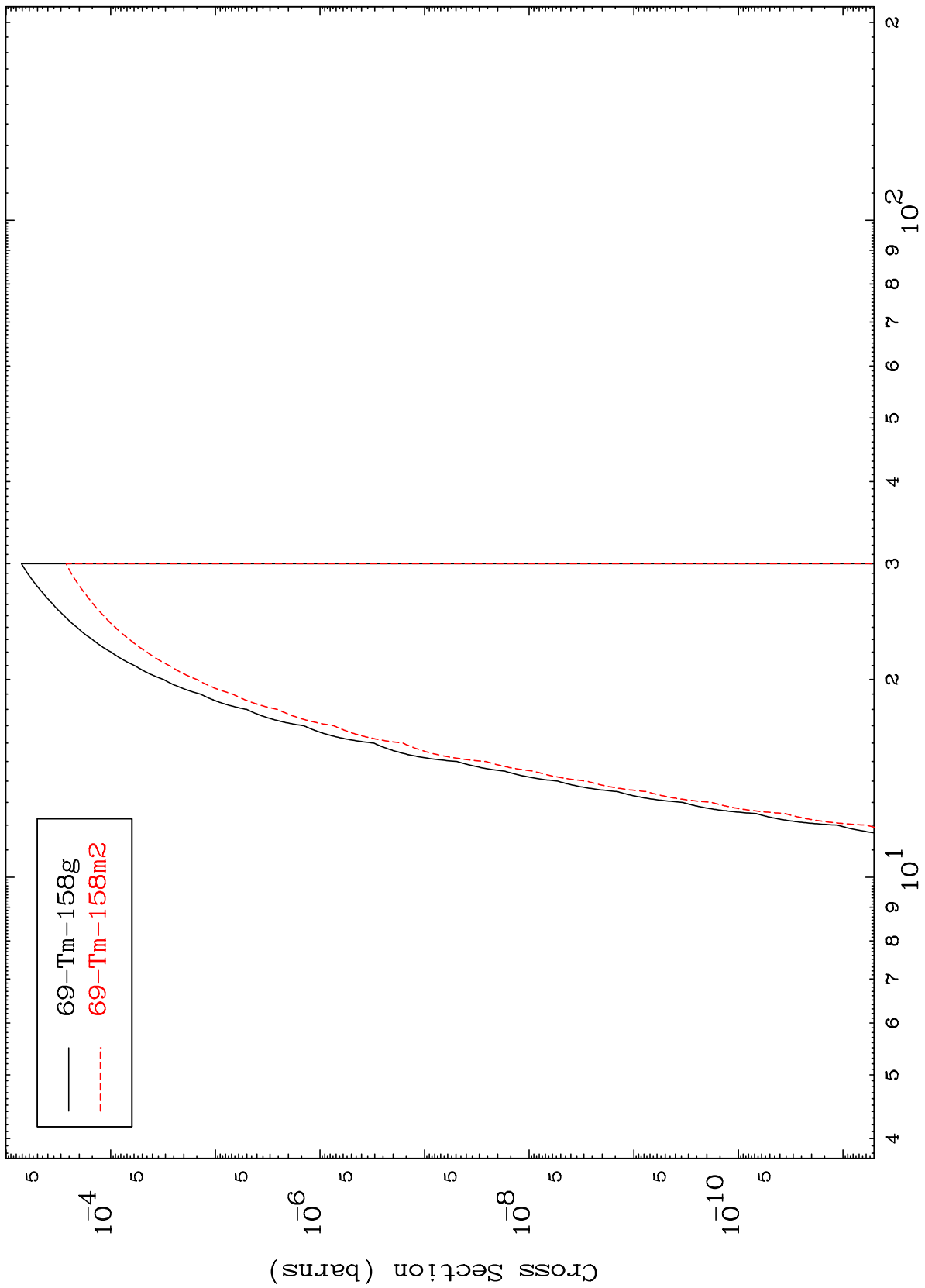
⁷¹Lu-160

MAT 7080

(n,p) d

71-Lu-160

Radionuclide Production Cross Section



109

Incident Energy (MeV)

71-Lu-160