

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

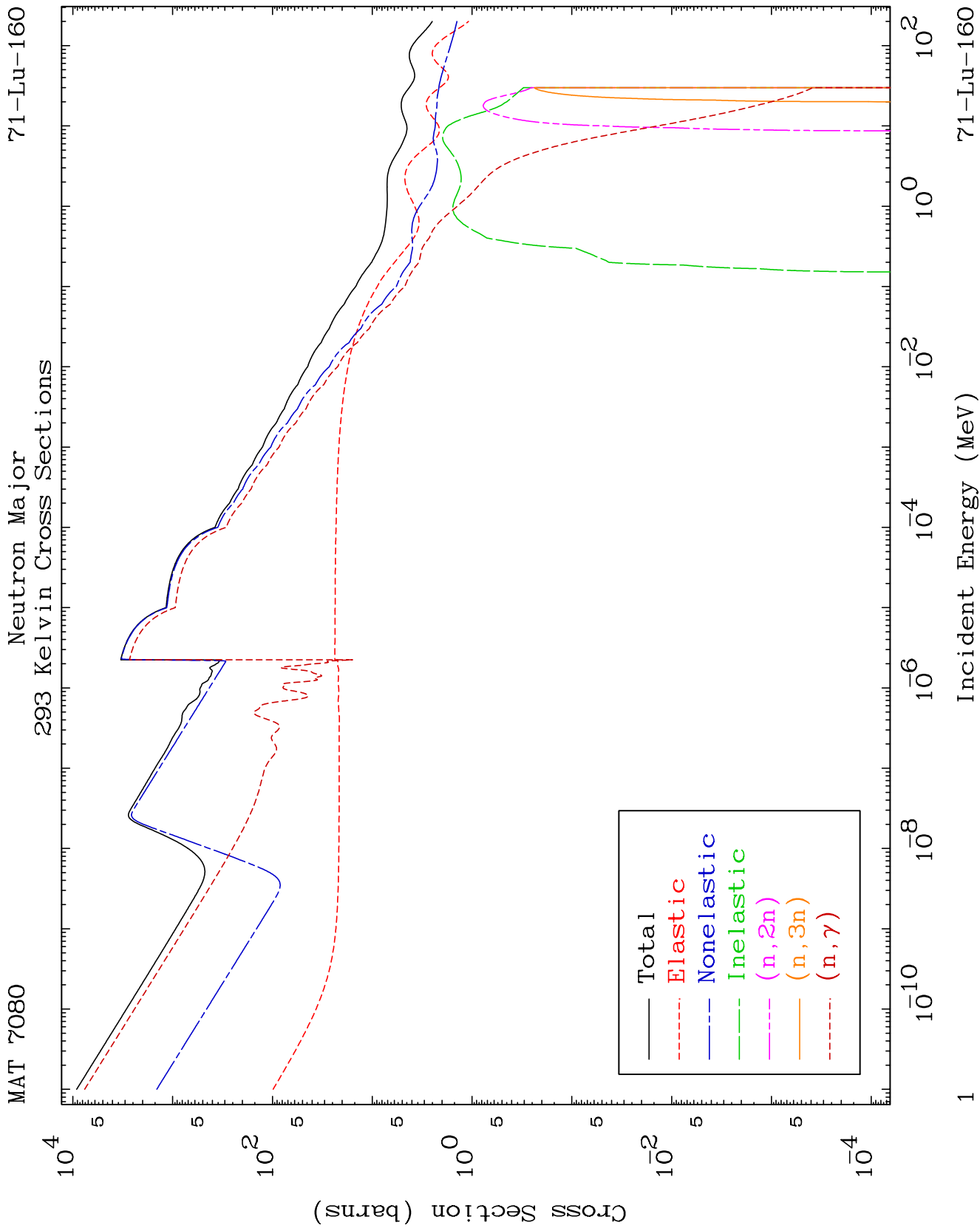
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E.Mail: redcullen1@comcast.net

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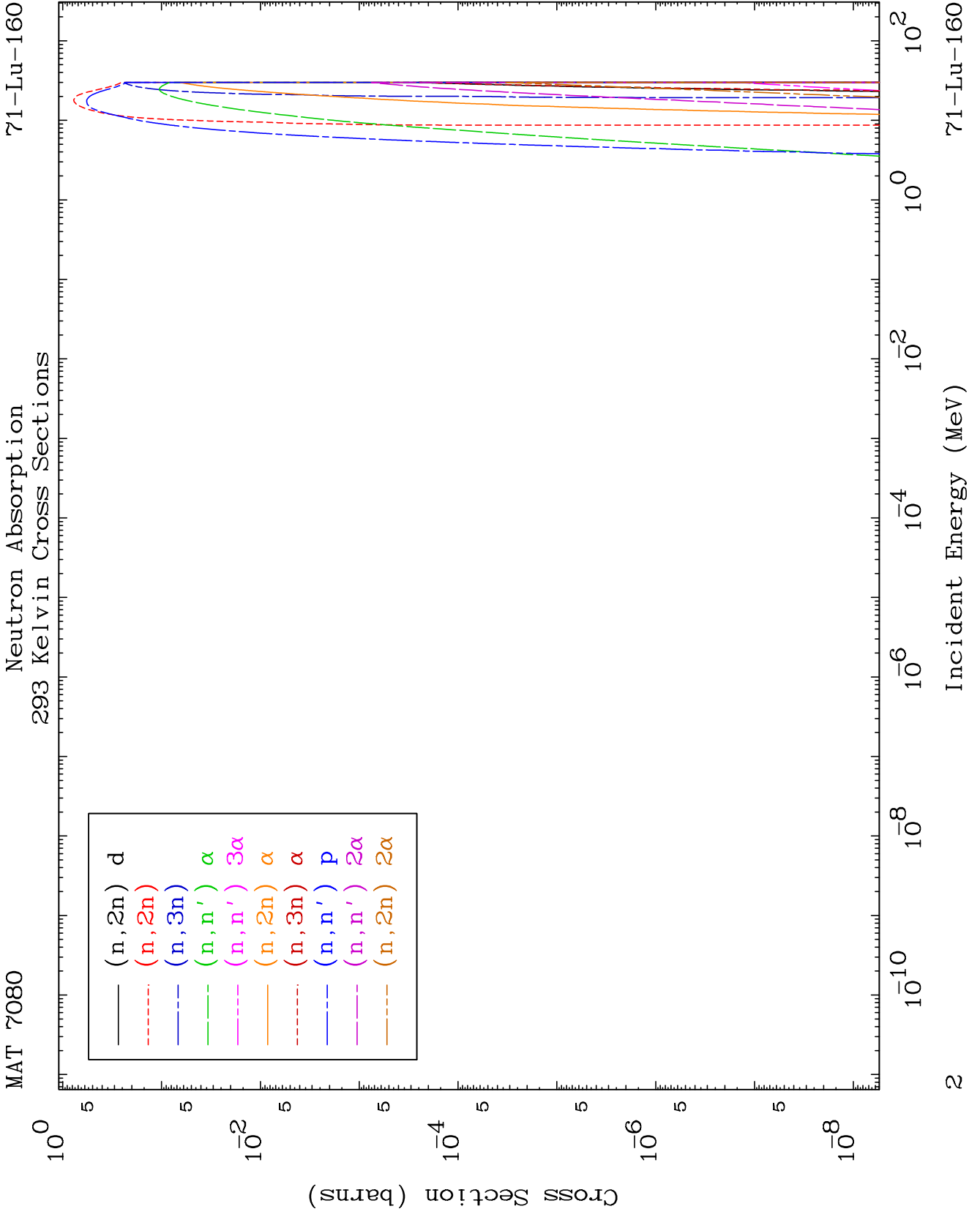
Press Mouse Button to Start

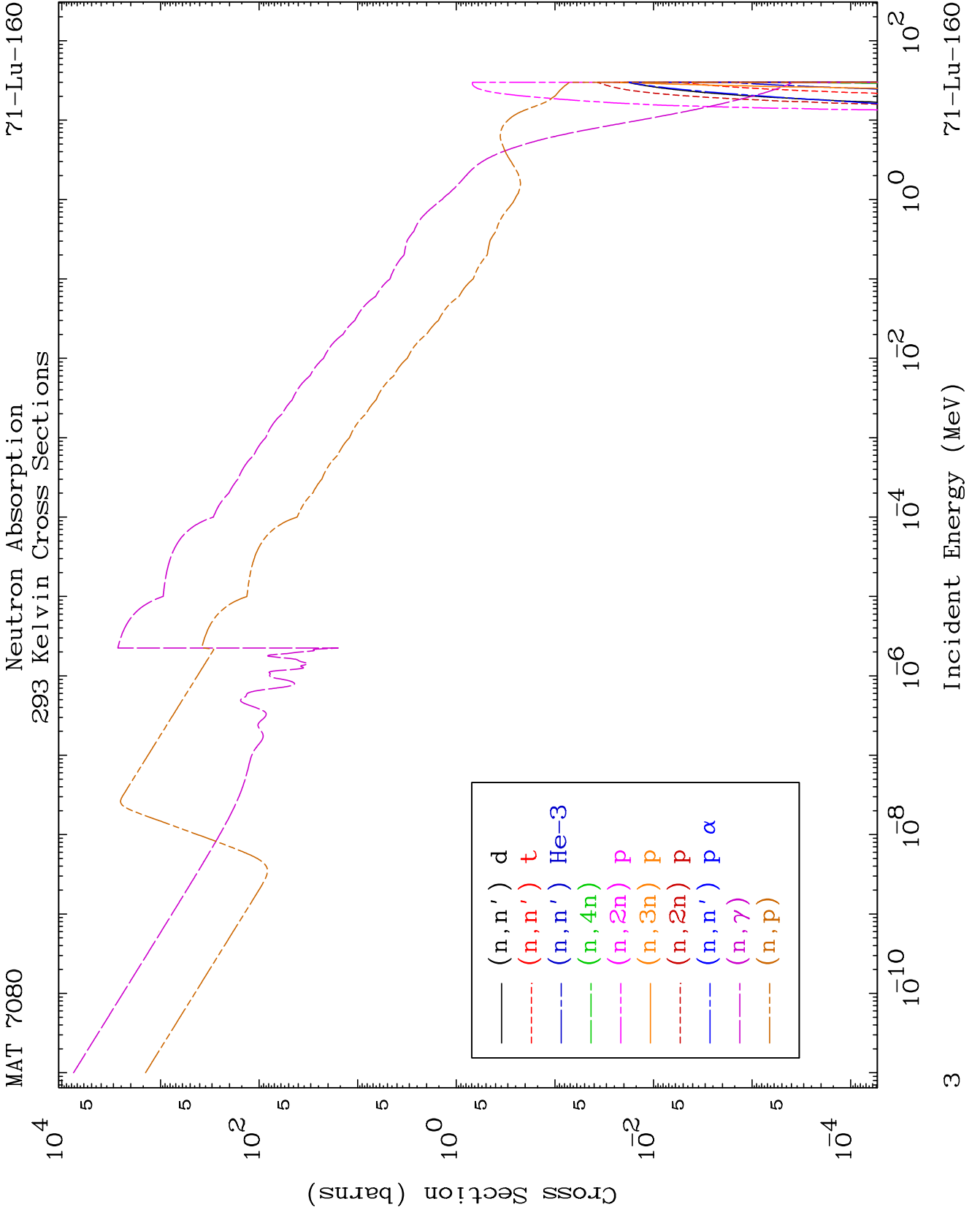


MAT 7080

293 Kelvin Cross Sections

71-Lu-160

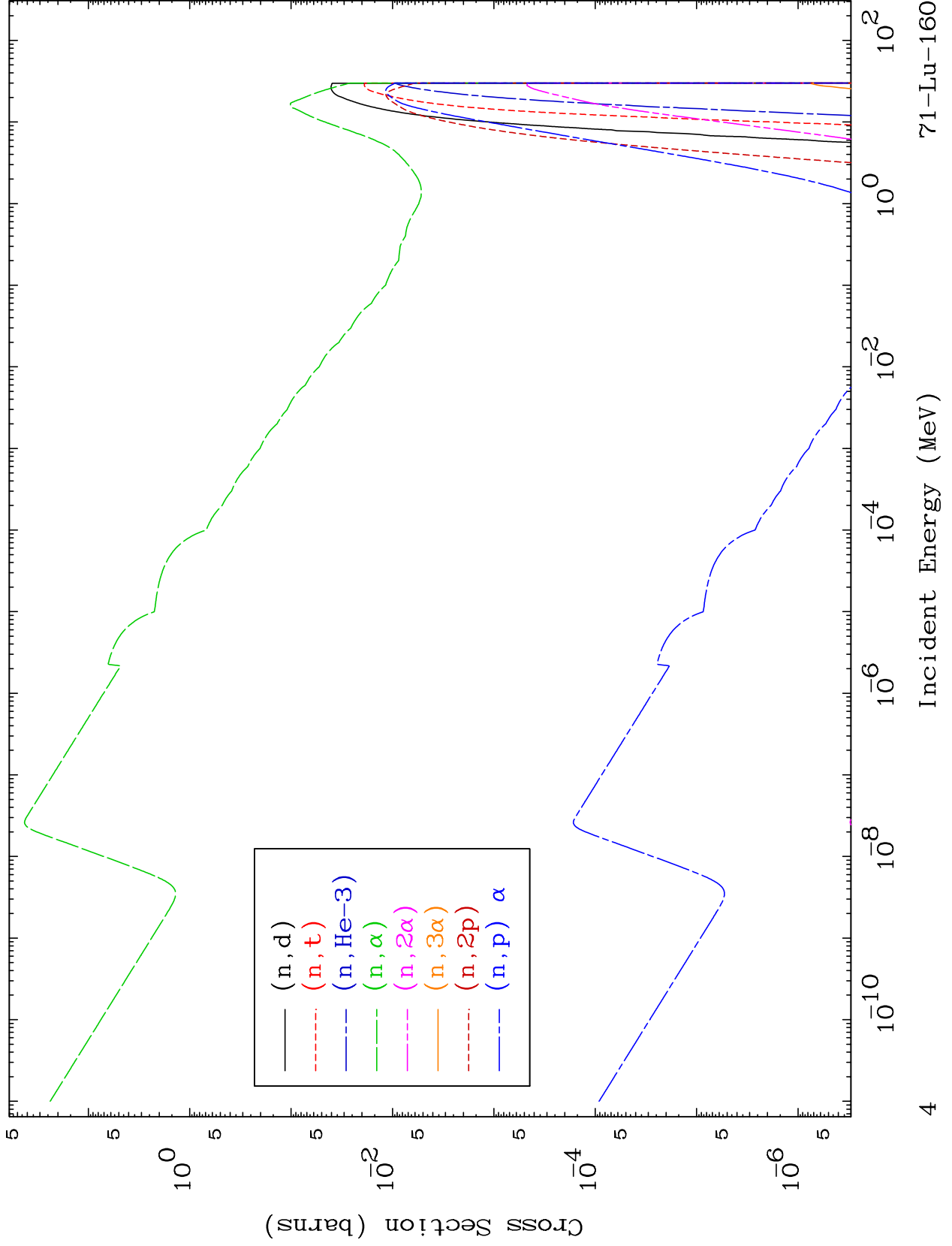


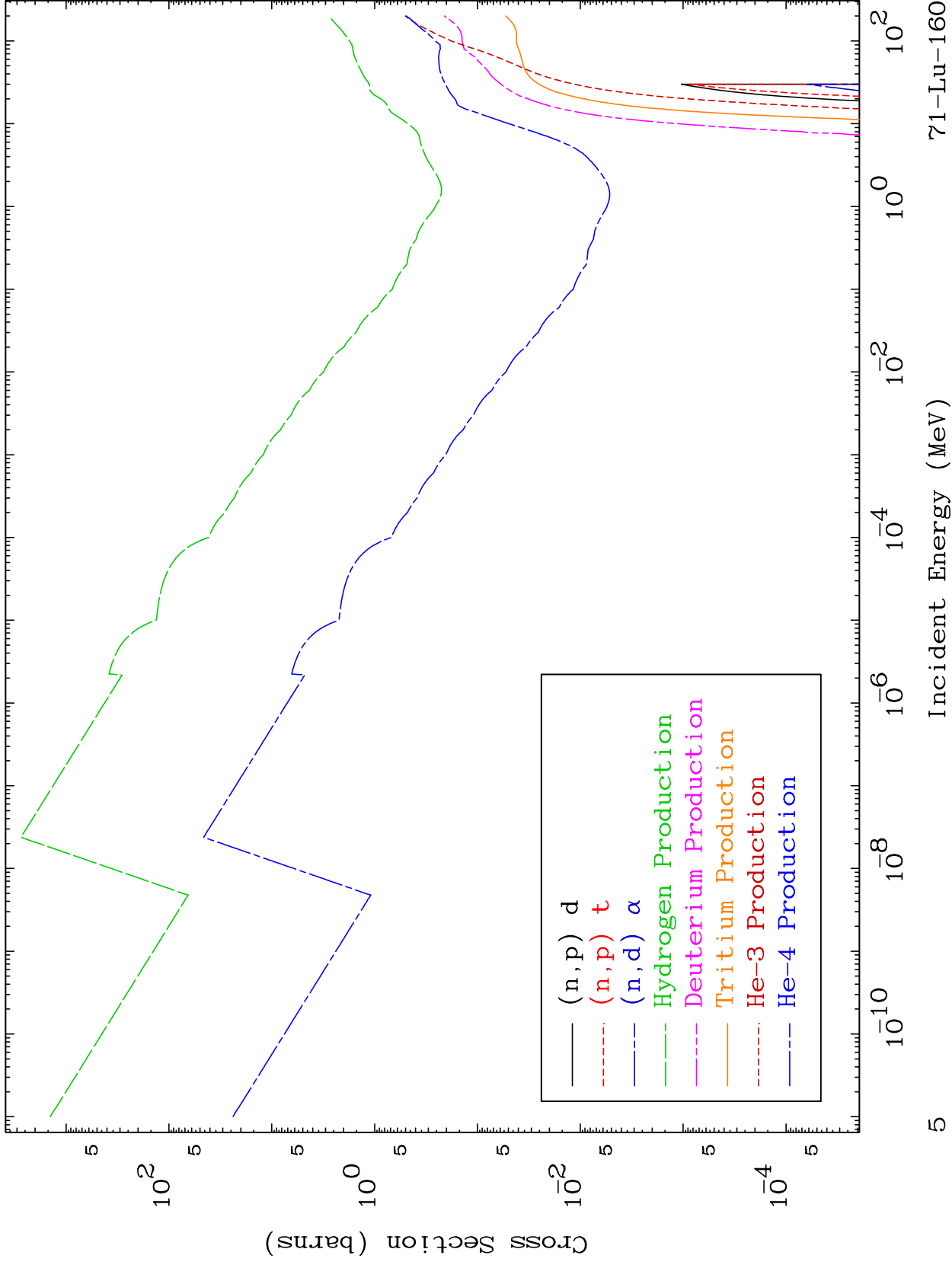


MAT 7080

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-160

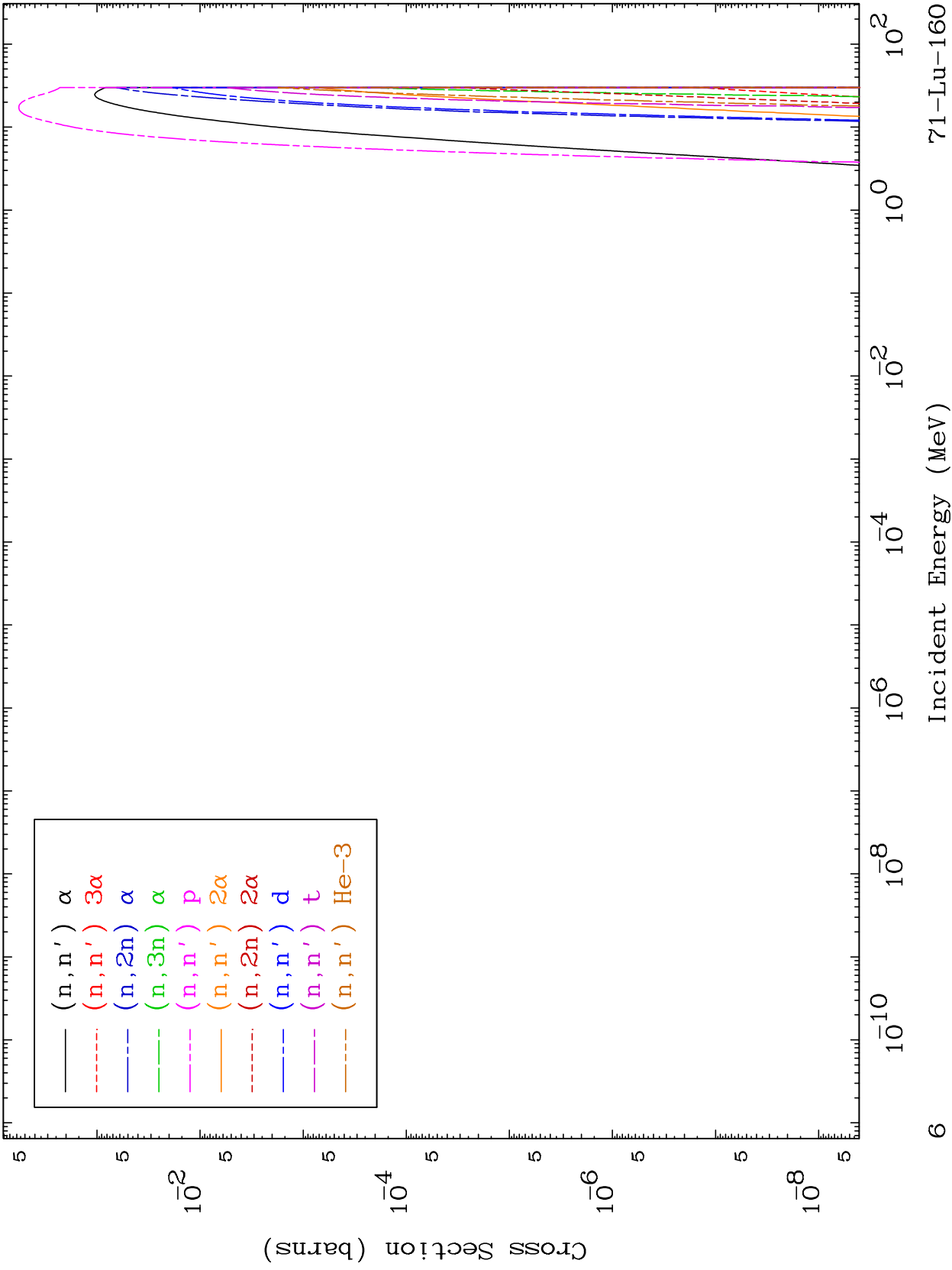




MAT 7080

Charged Particle
293 Kelvin Cross Sections

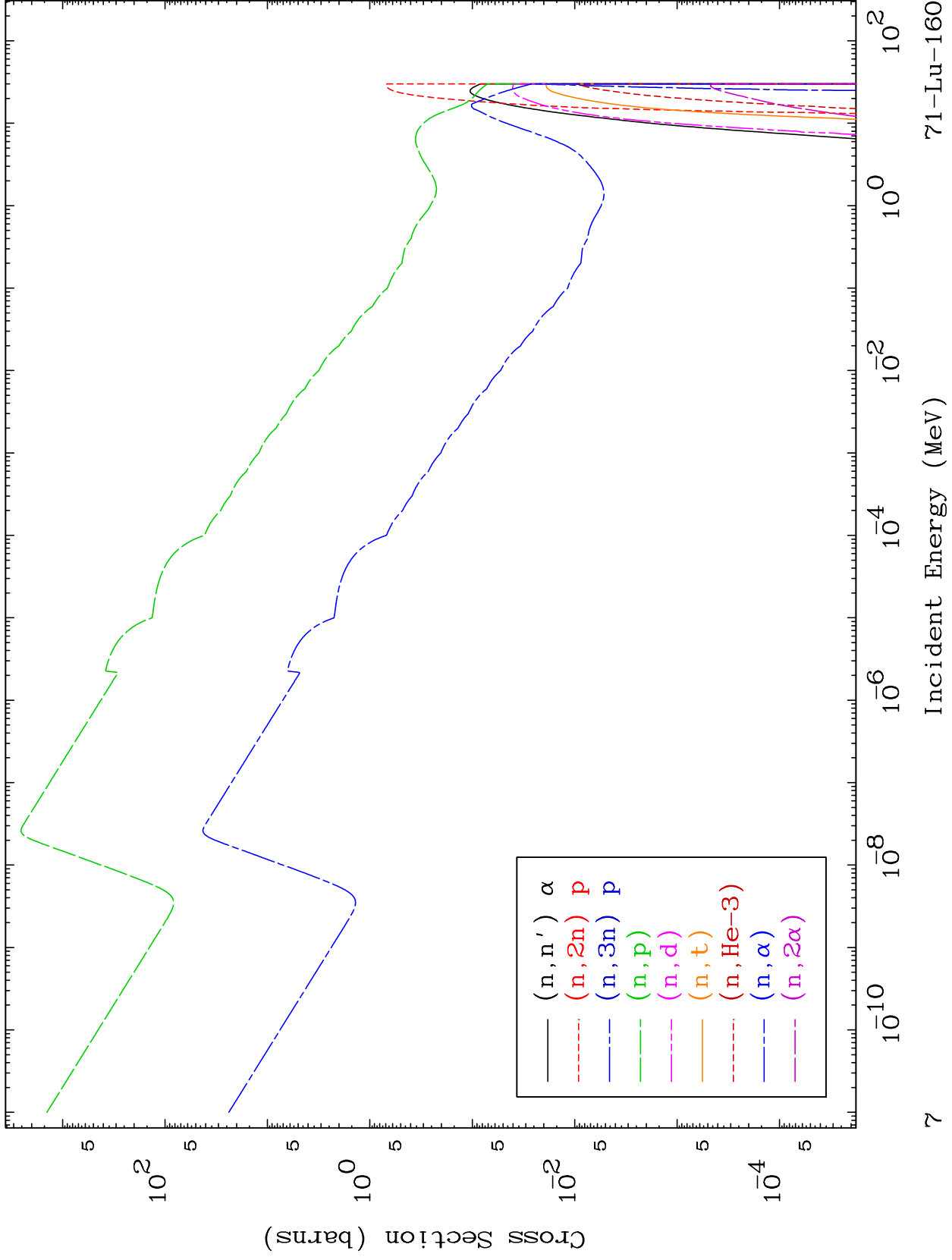
71-Lu-160



MAT 7080

Charged Particle
293 Kelvin Cross Sections

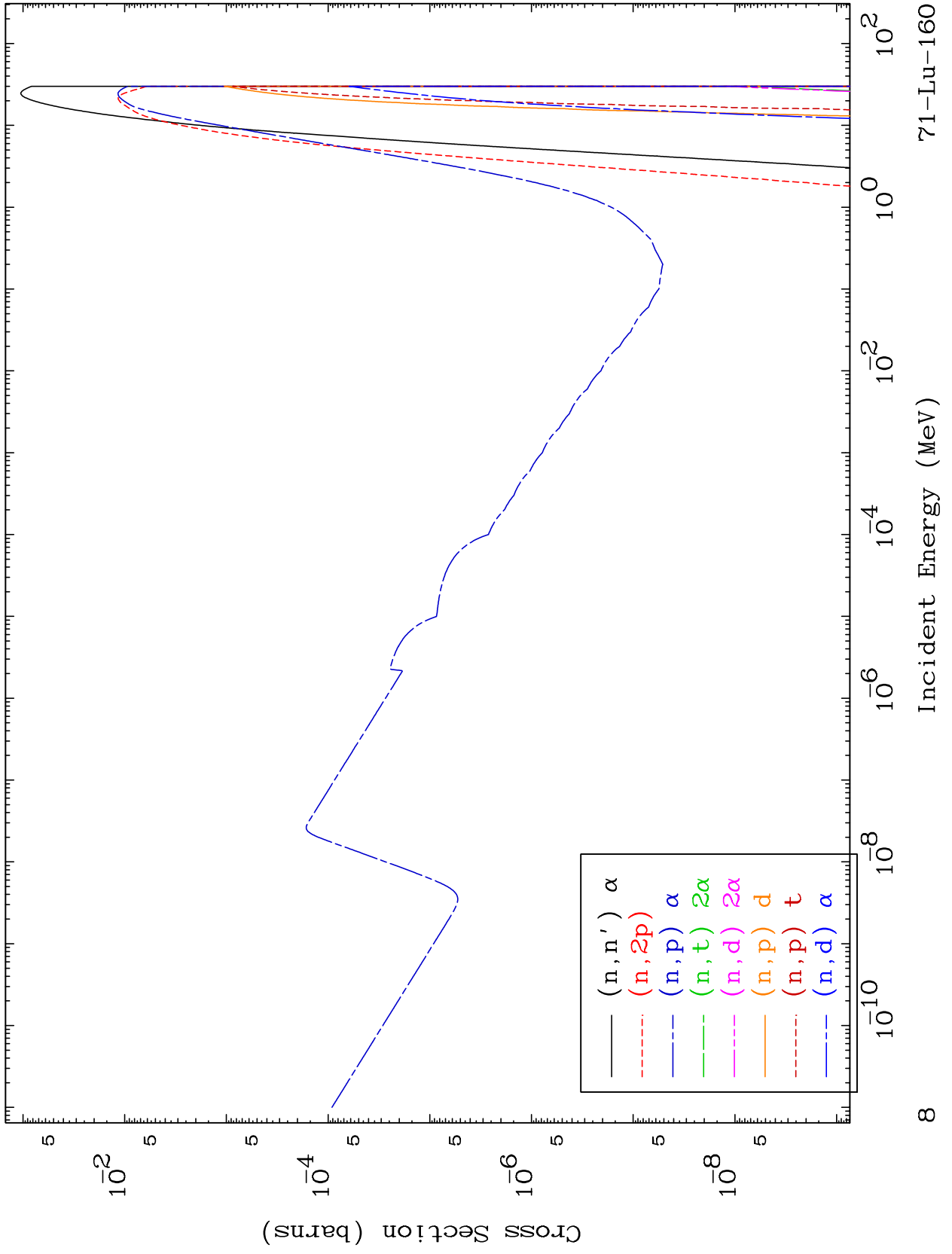
71-Lu-160



MAT 7080

Charged Particle
293 Kelvin Cross Sections

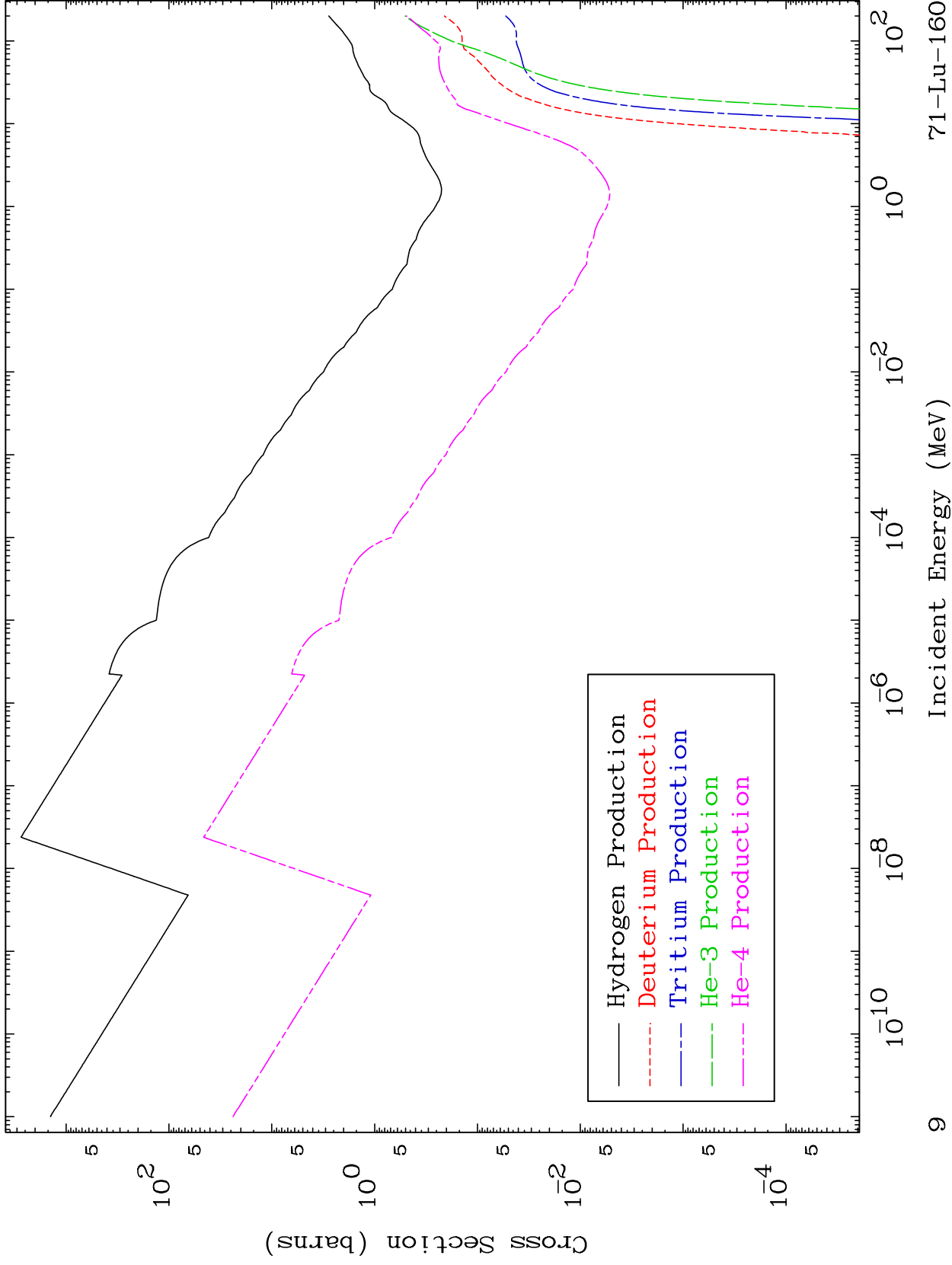
71-Lu-160



MAT 7080

Particle Production
293 Kelvin Cross Sections

71-Lu-160

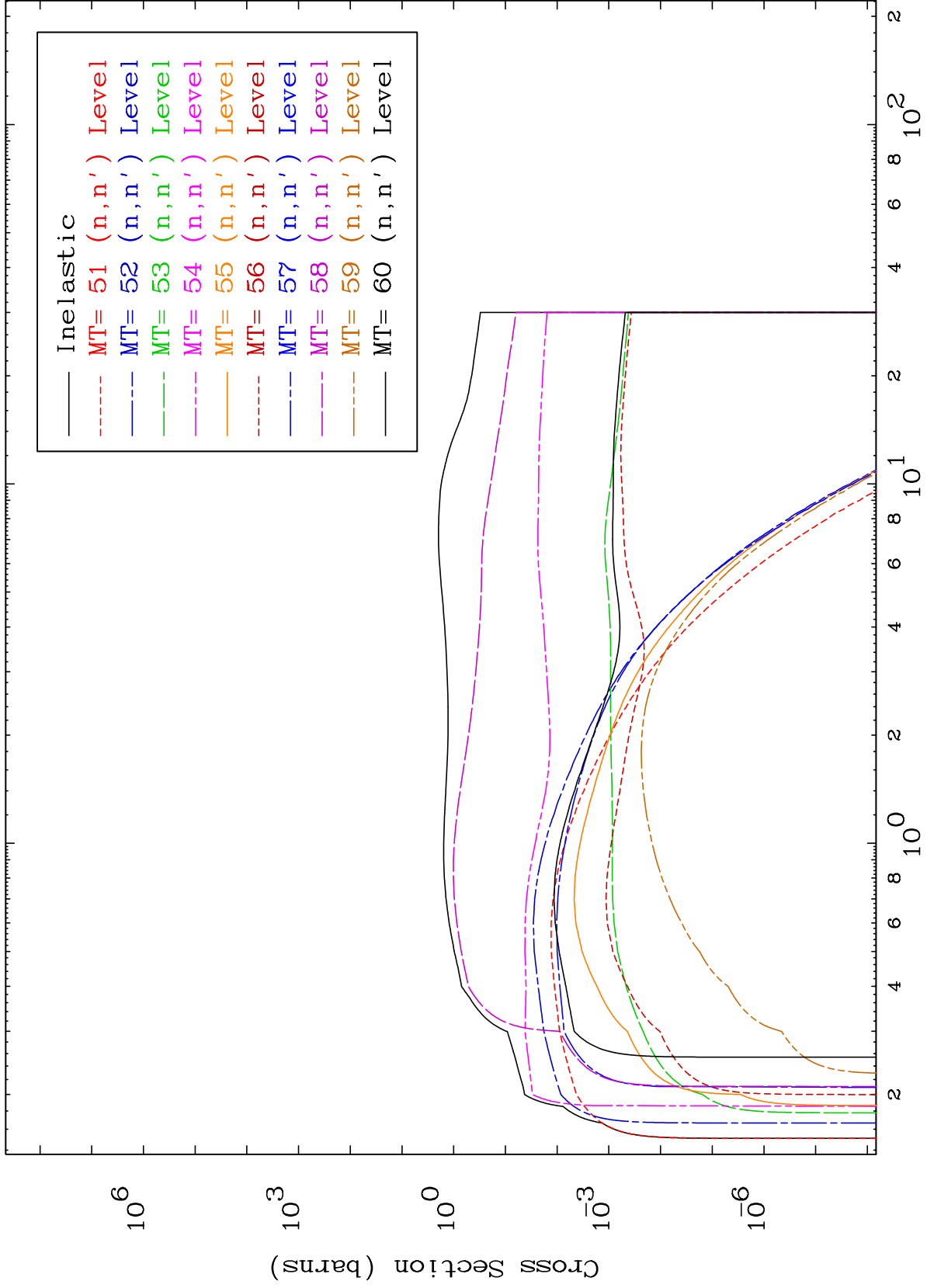


MAT 7080

(n,n') Levels

293 Kelvin Cross Sections

71-Lu-160



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Incident Energy (MeV)

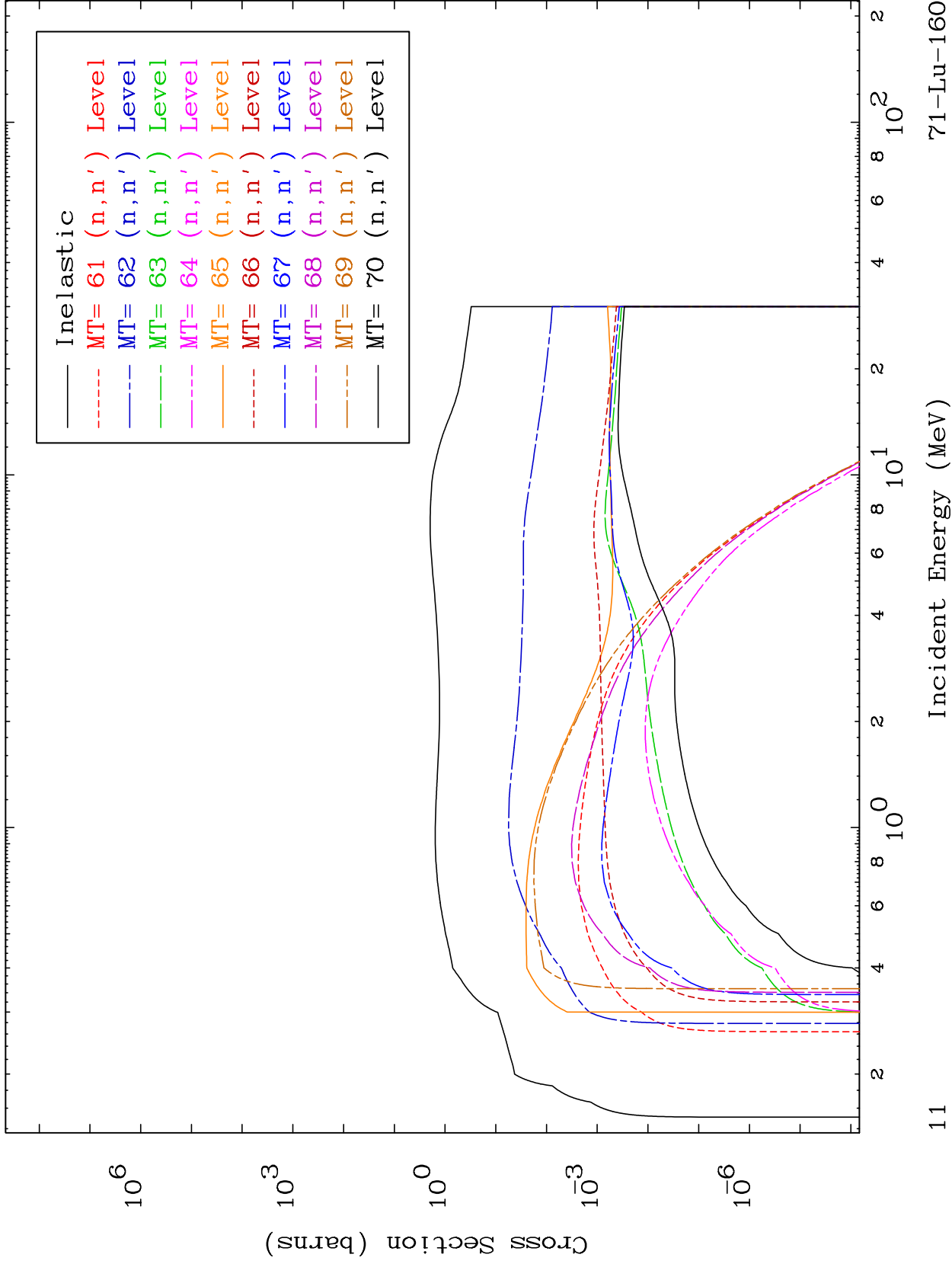
71-Lu-160

MAT 7080

(n,n') Levels

293 Kelvin Cross Sections

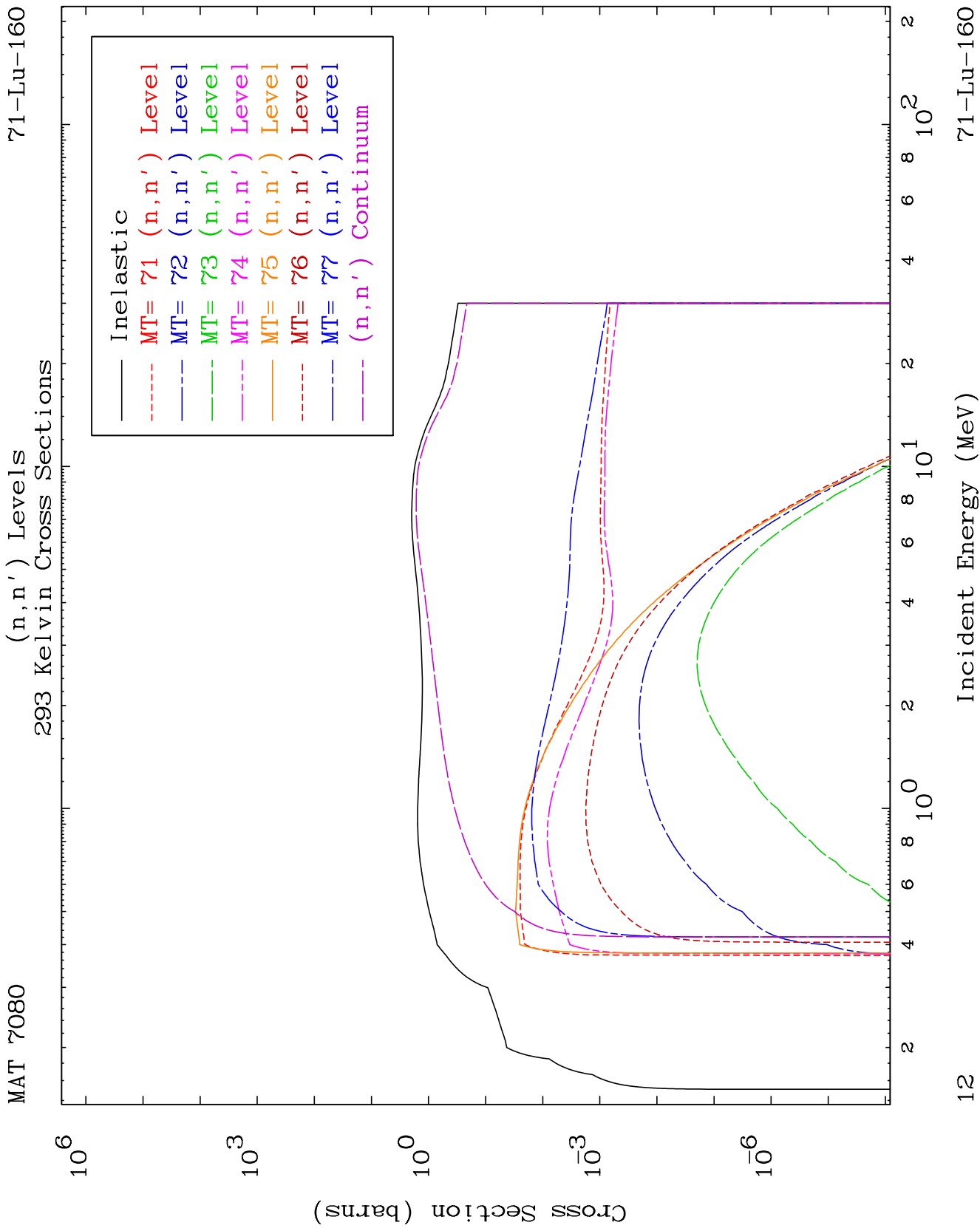
71-Lu-160



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Incident Energy (MeV)

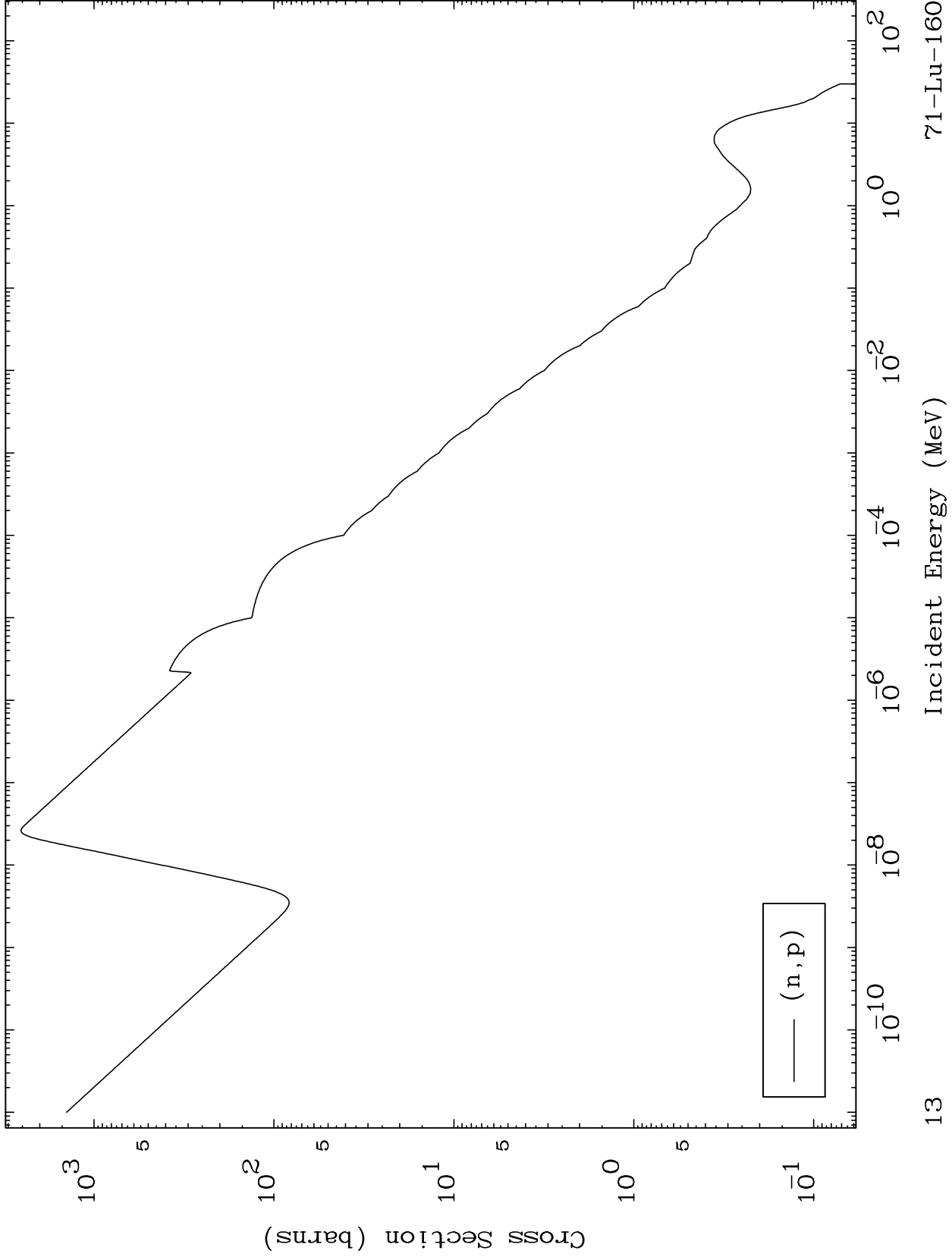
71-Lu-160



MAT 7080

(n,p) Levels
293 Kelvin Cross Sections

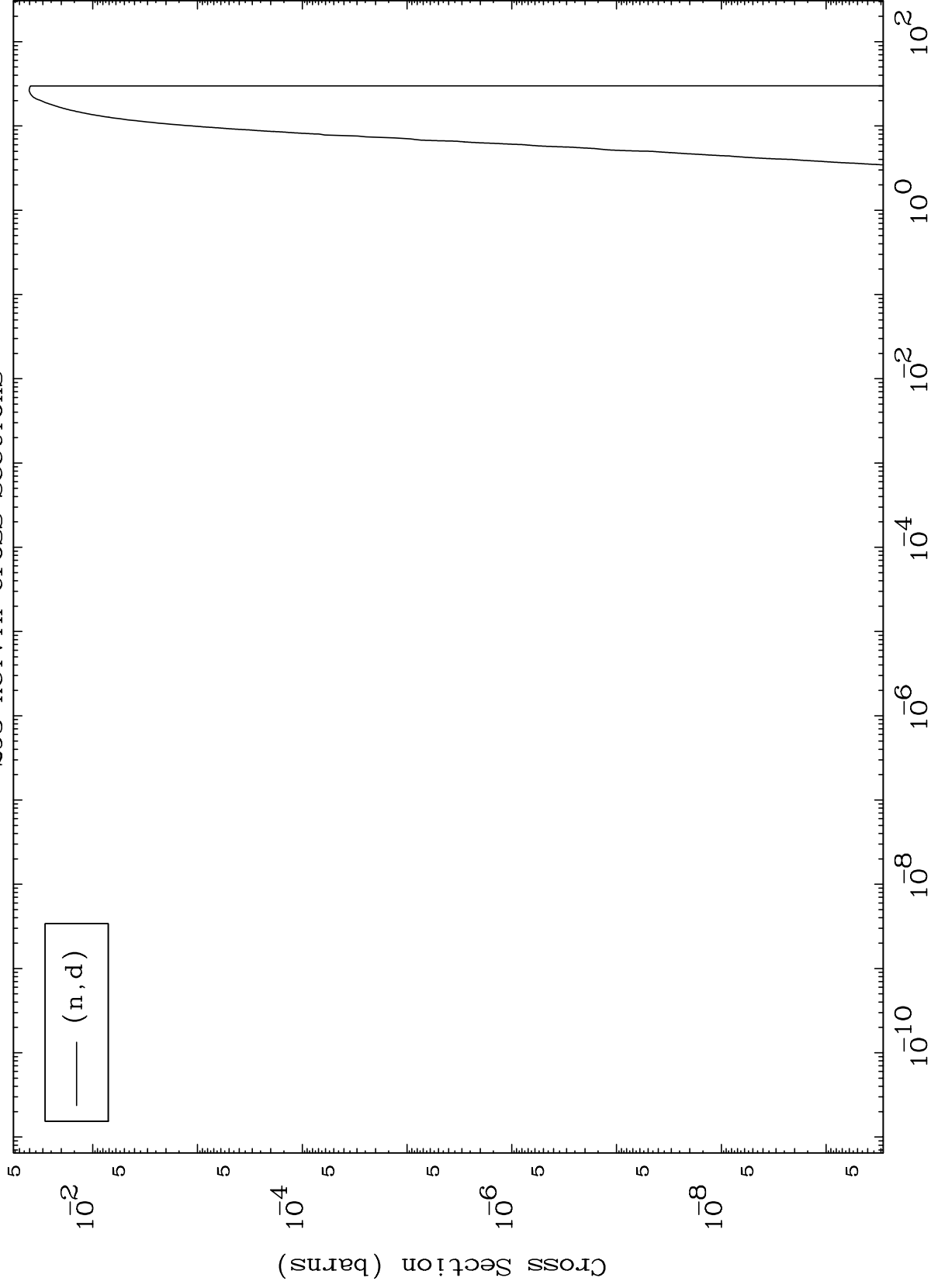
71-Lu-160



MAT 7080

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-160



14

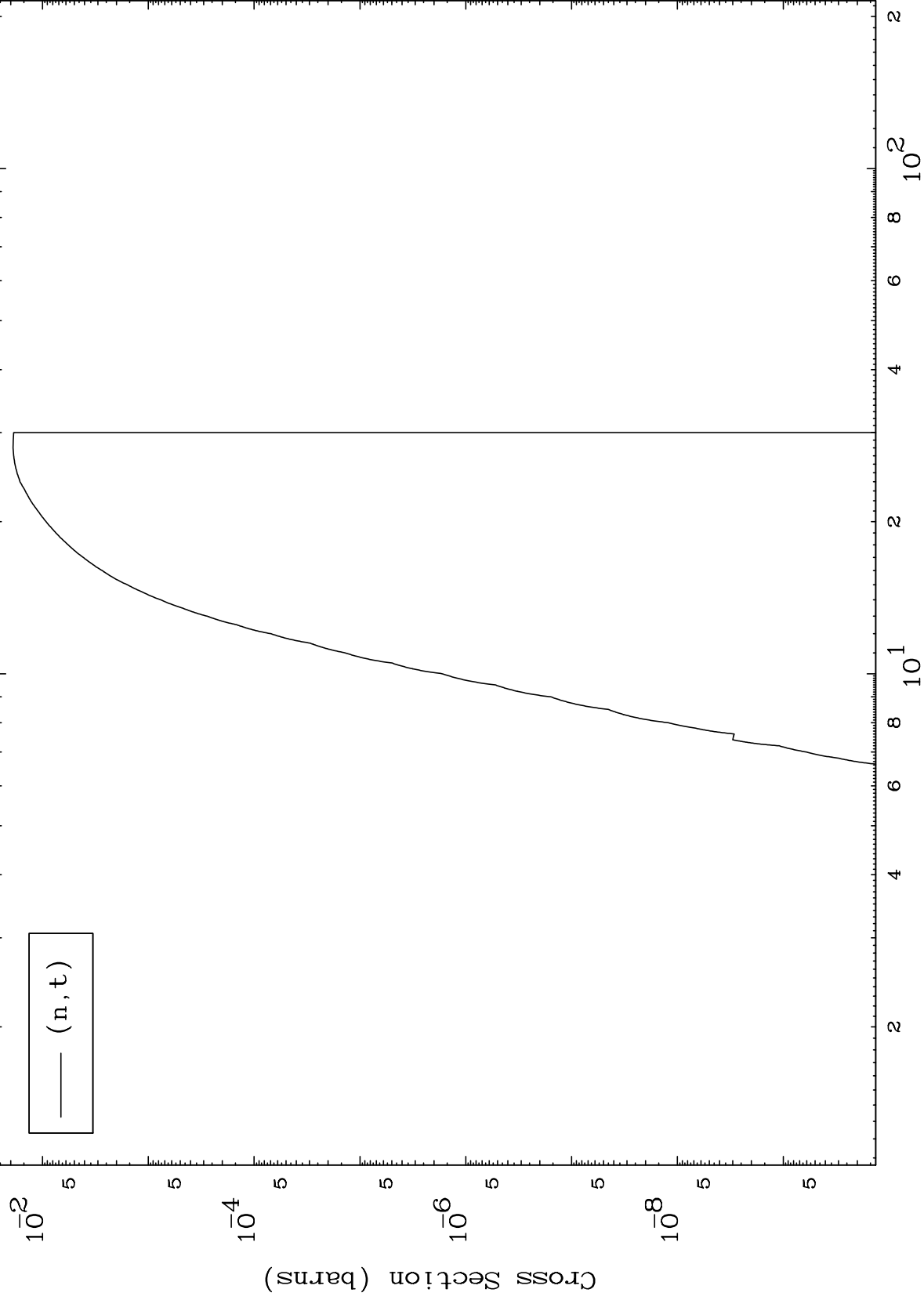
Incident Energy (MeV)

71-Lu-160

MAT 7080

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-160



15

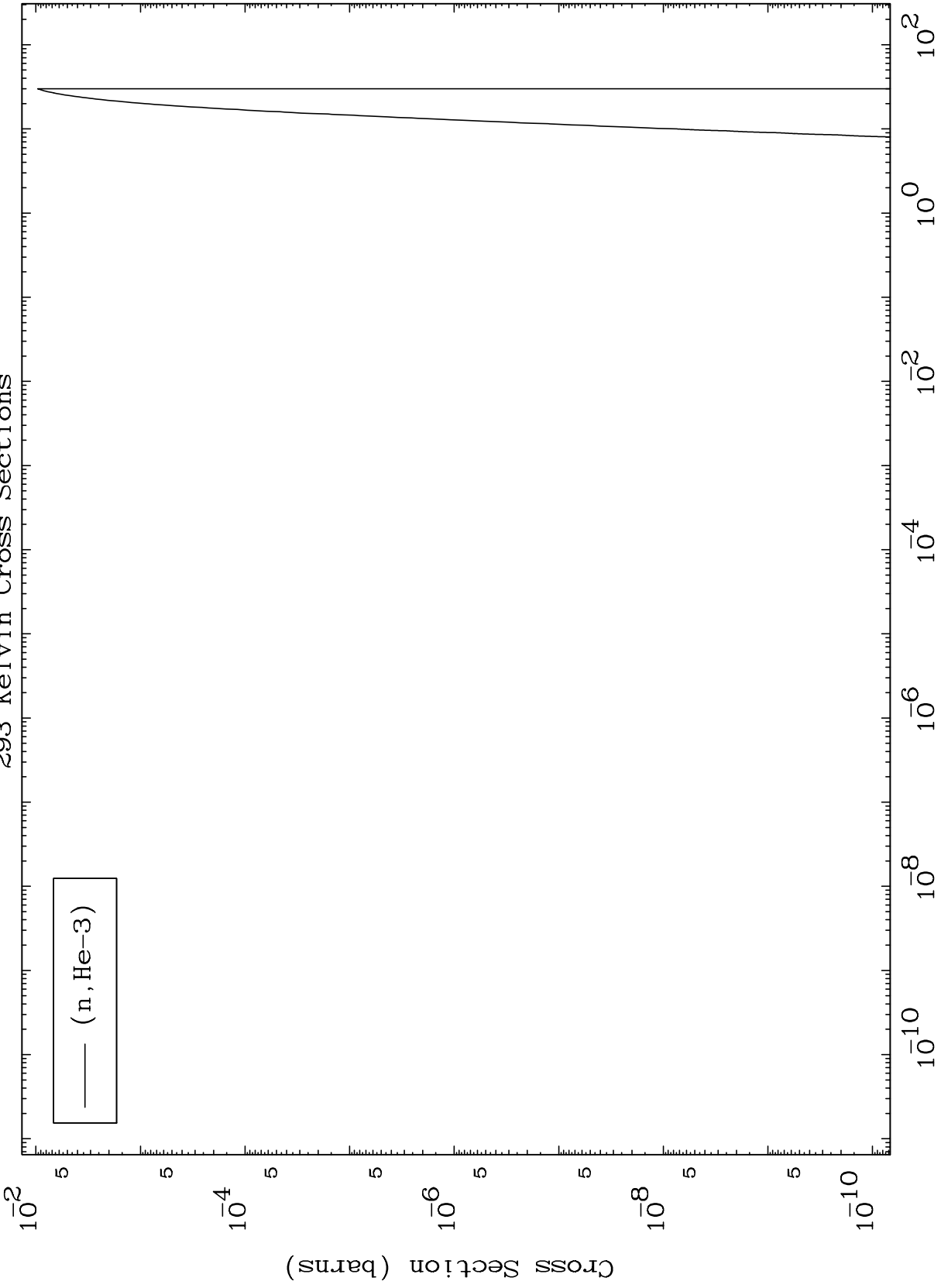
Incident Energy (MeV)

71-Lu-160

MAT 7080

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-160



16

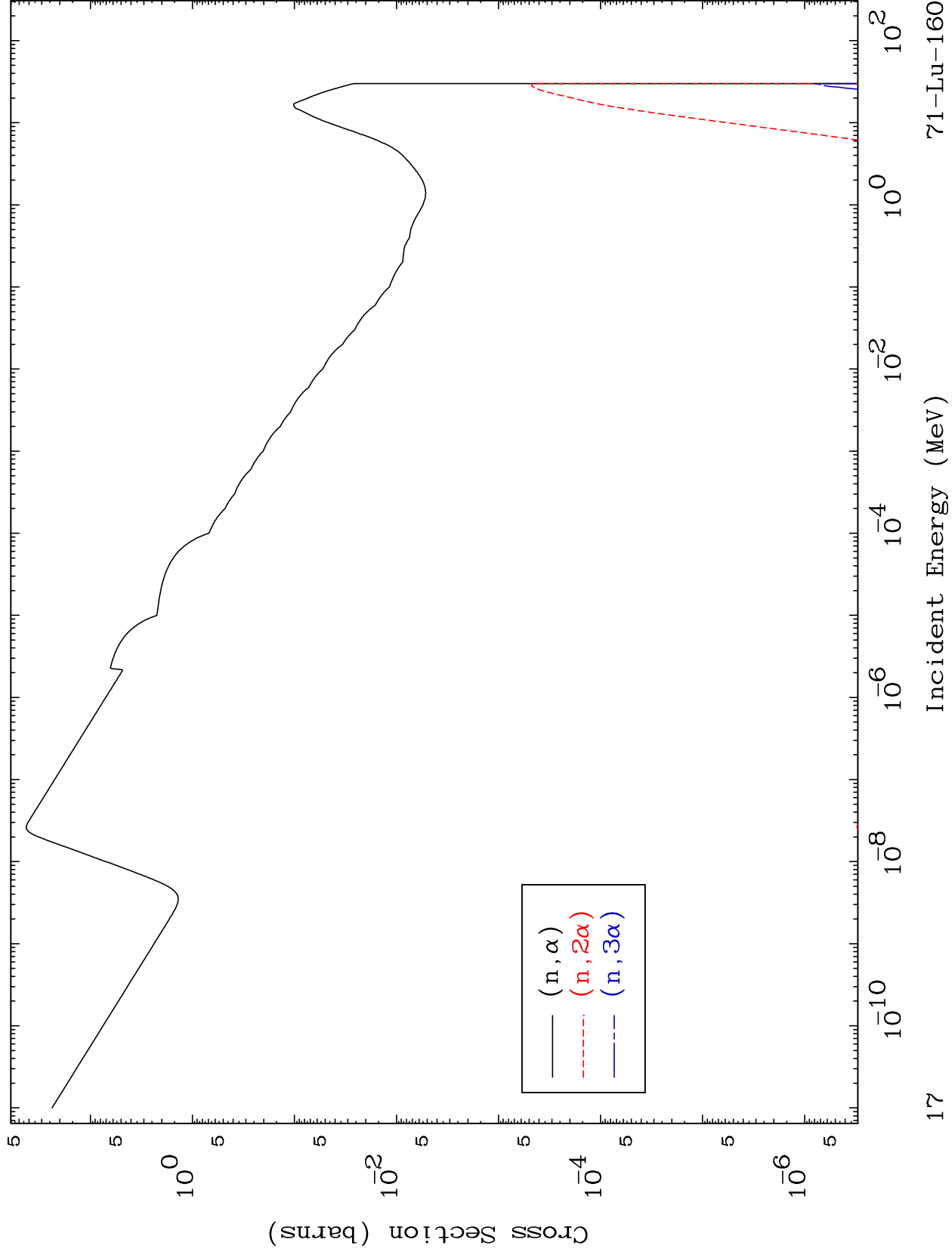
Incident Energy (MeV)

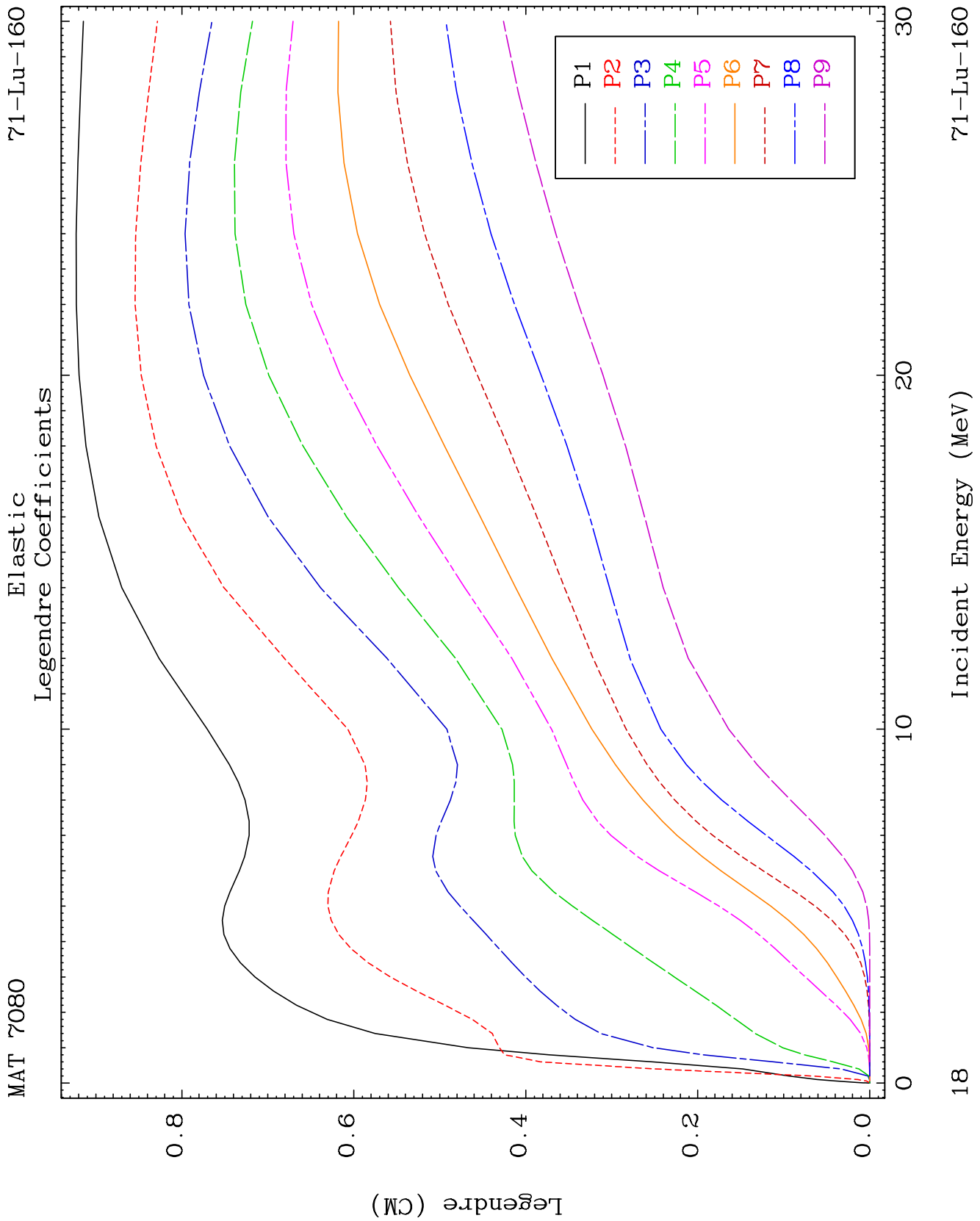
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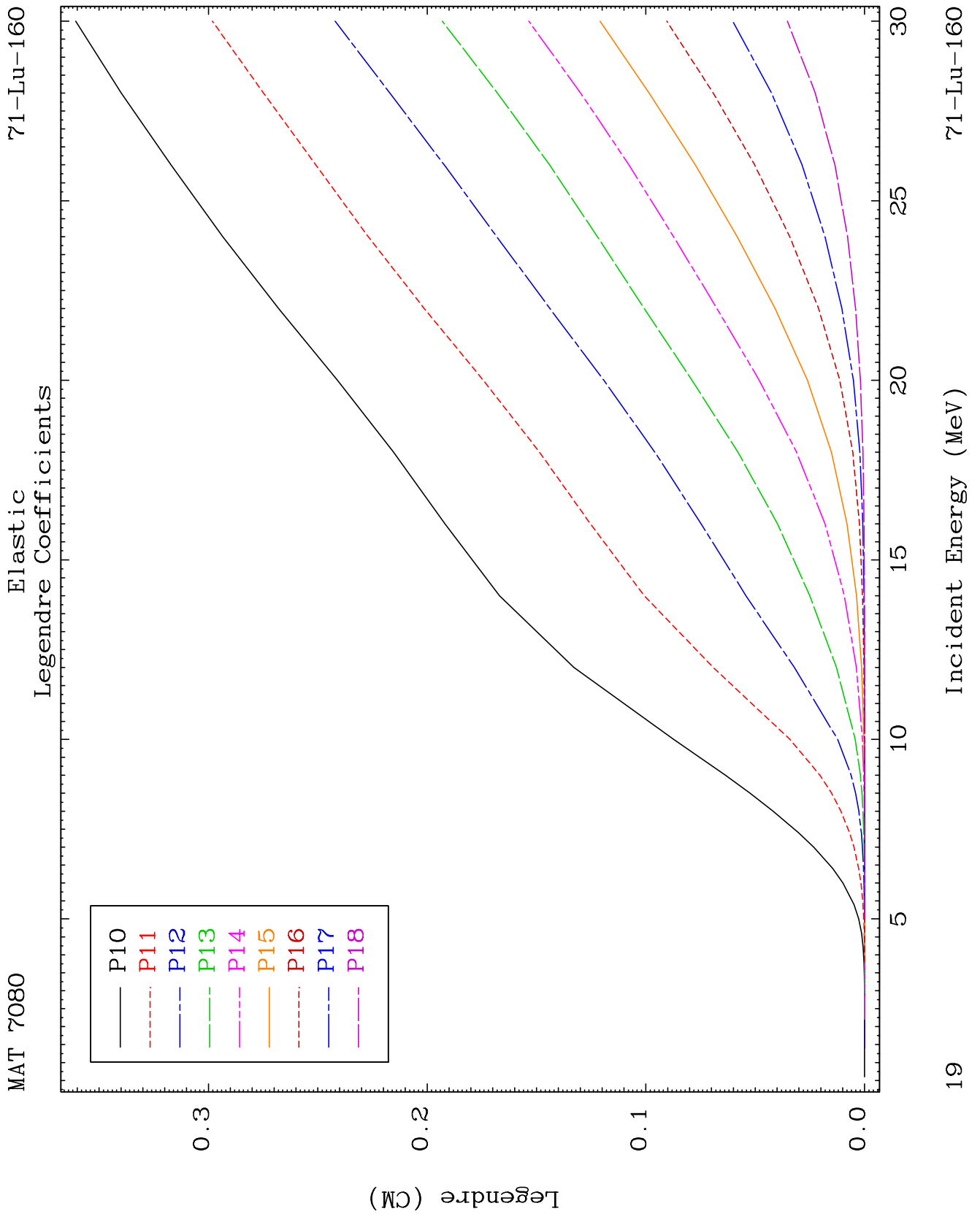
MAT 7080

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-160



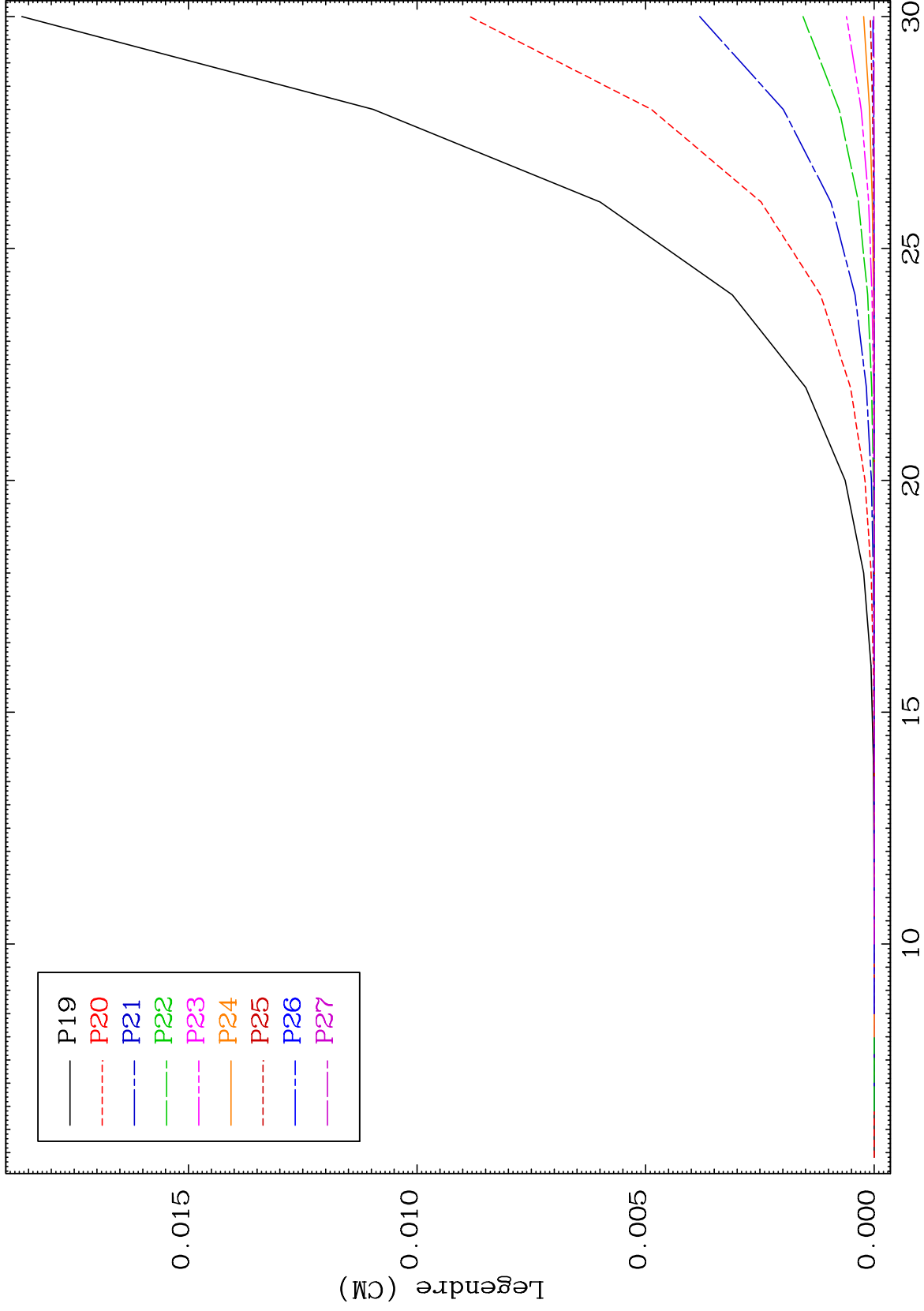




MAT 7080

Elastic
Legendre Coefficients

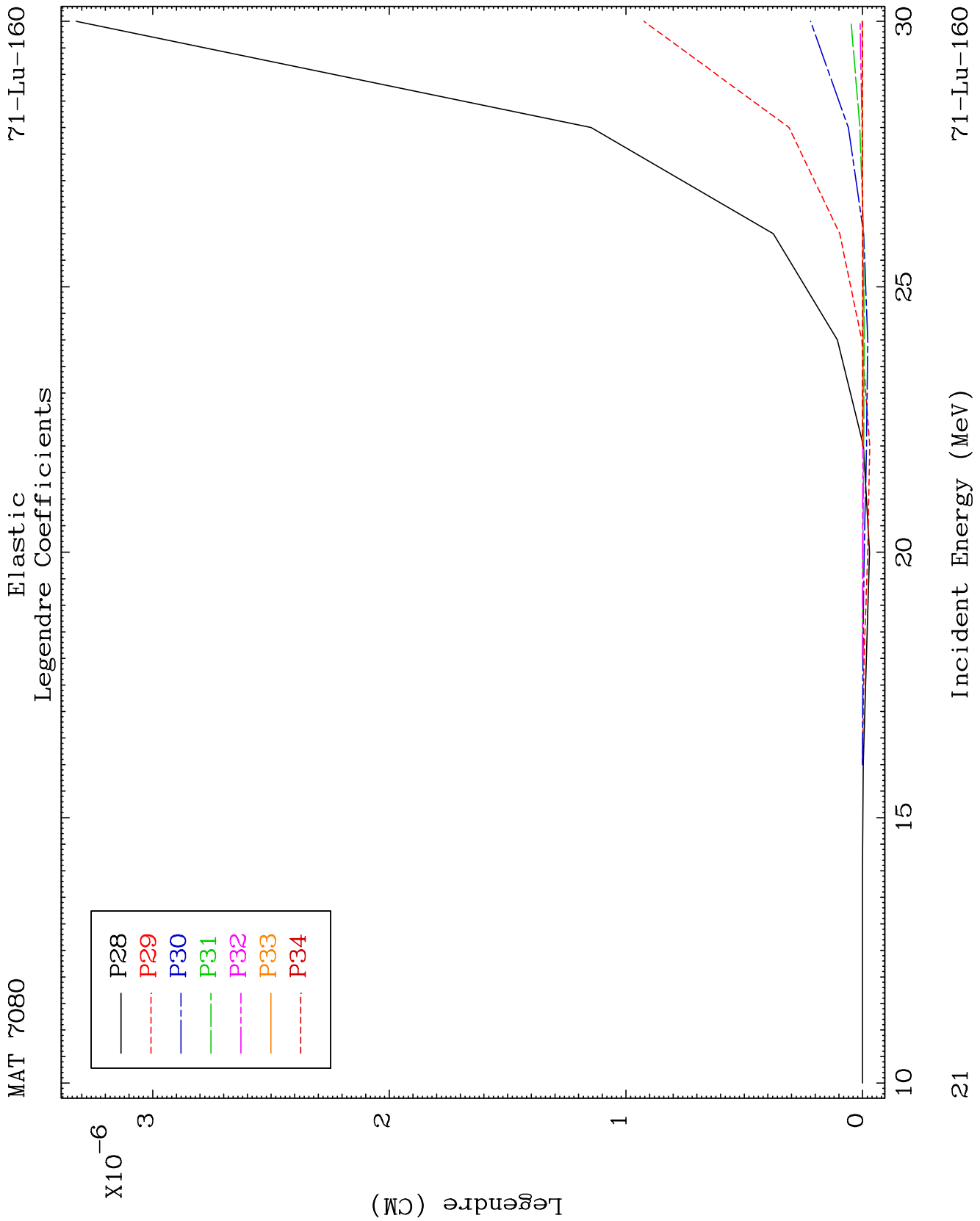
⁷¹Lu-160

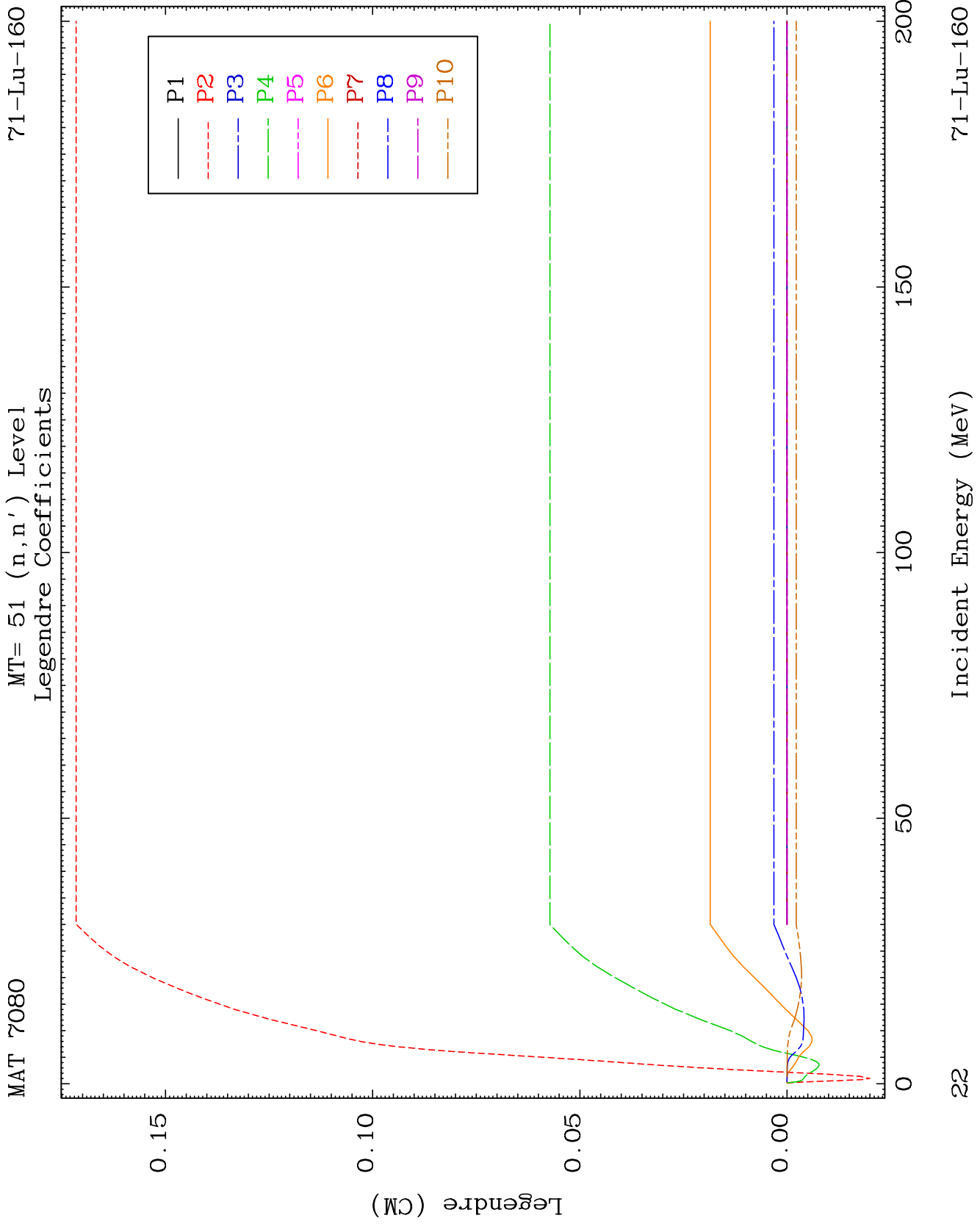


20

Incident Energy (MeV)

⁷¹Lu-160

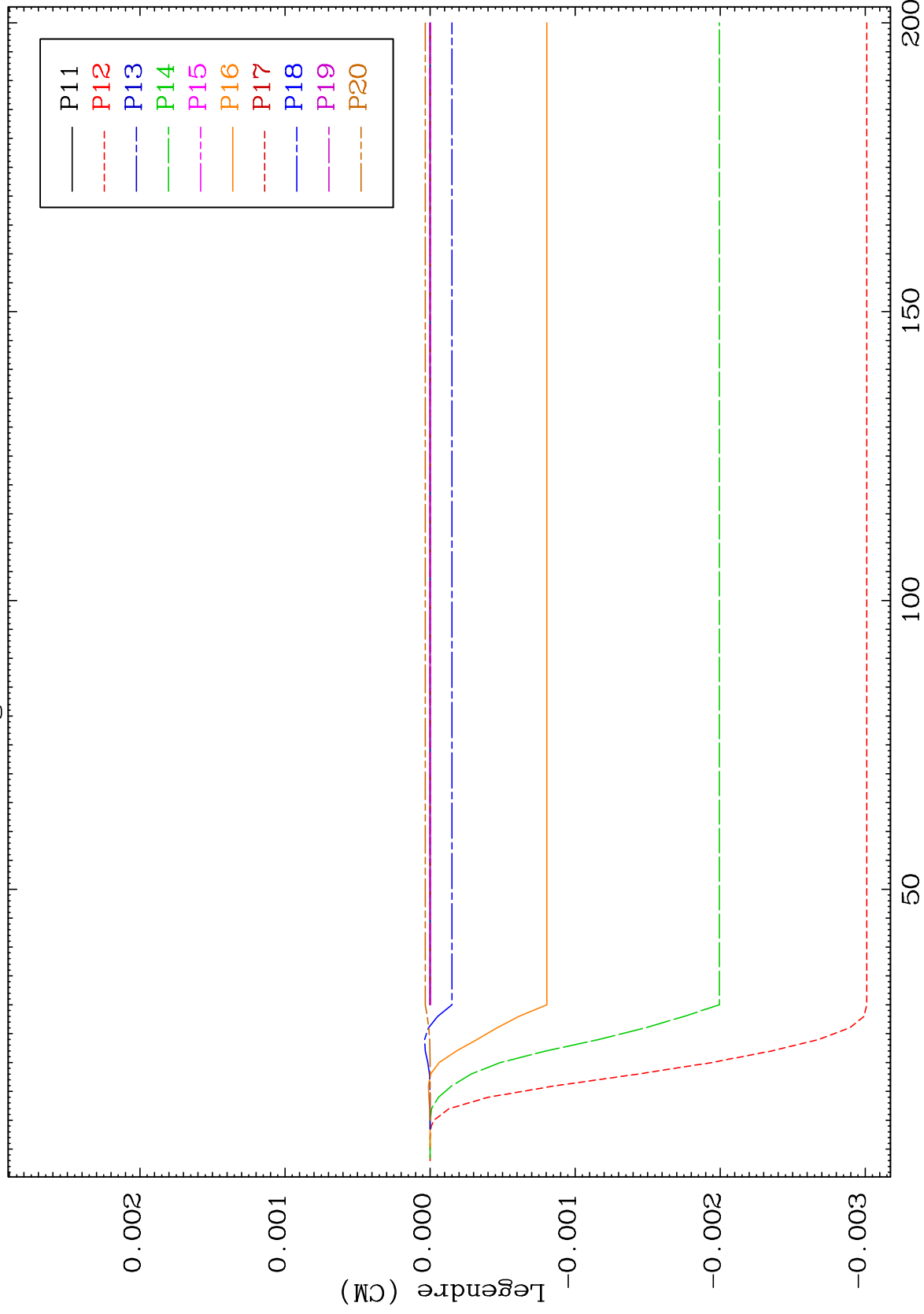




MAT 7080

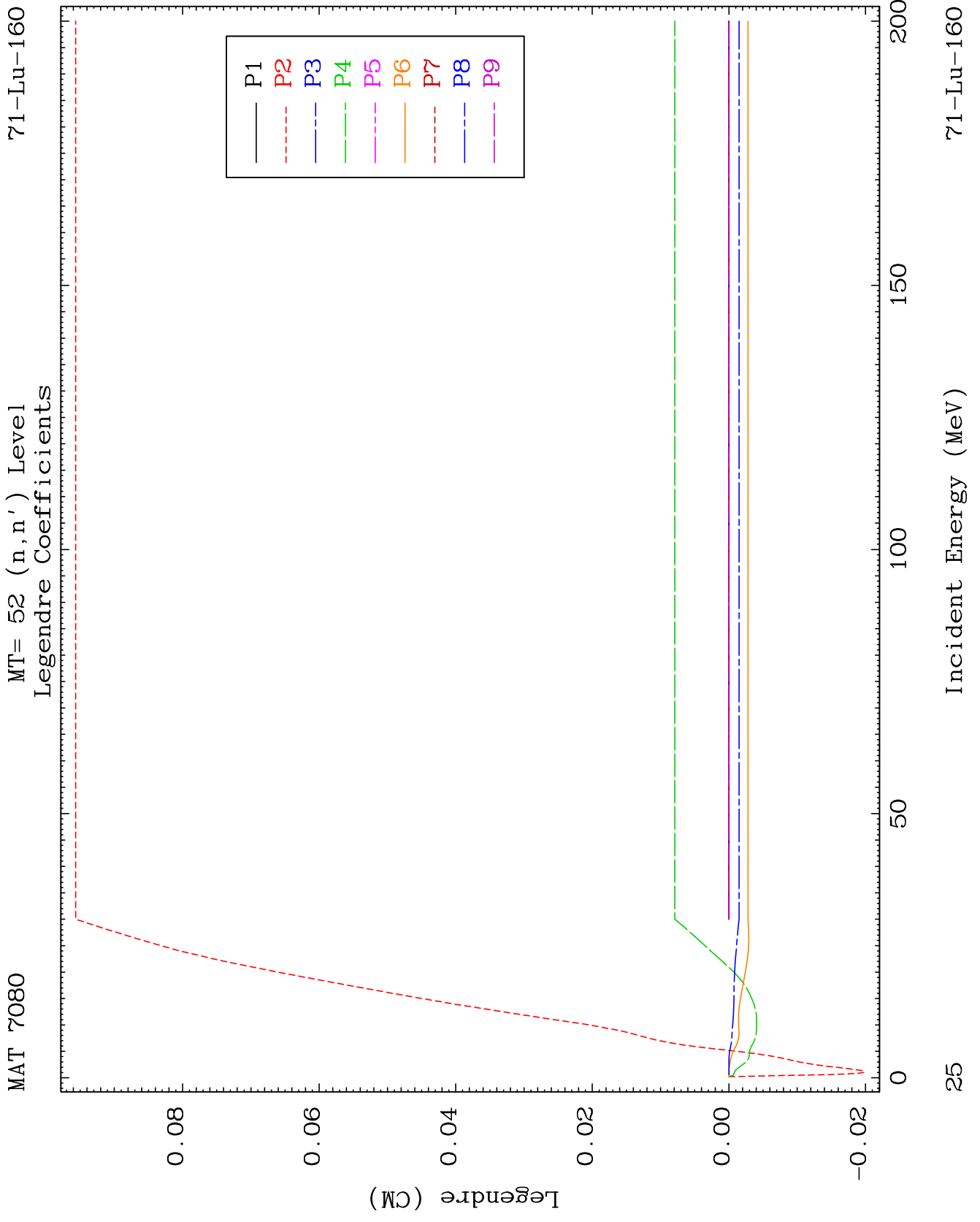
MT= 51 (n,n') Level
Legendre Coefficients

71-Lu-160



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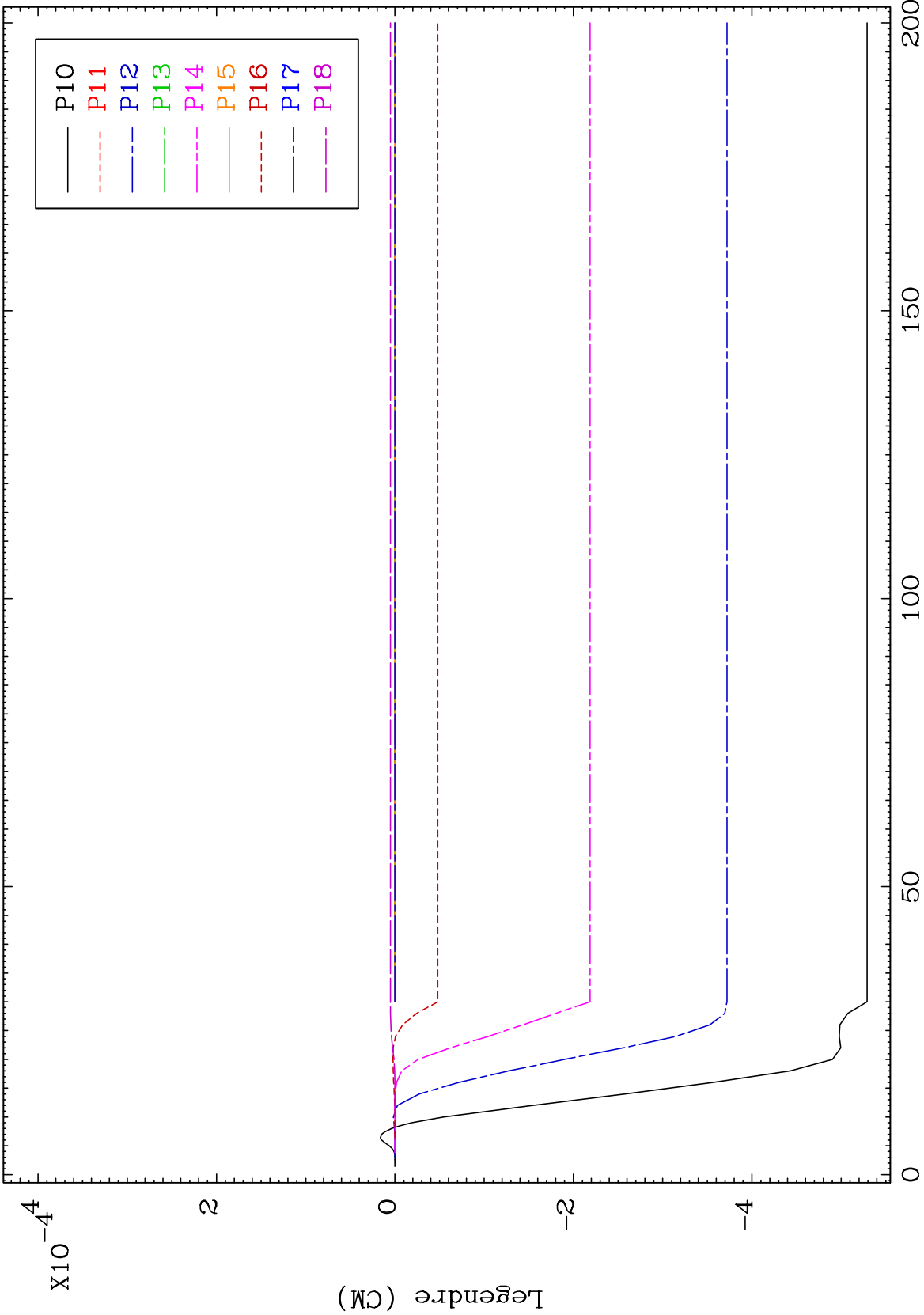
71-Lu-160



MAT 7080

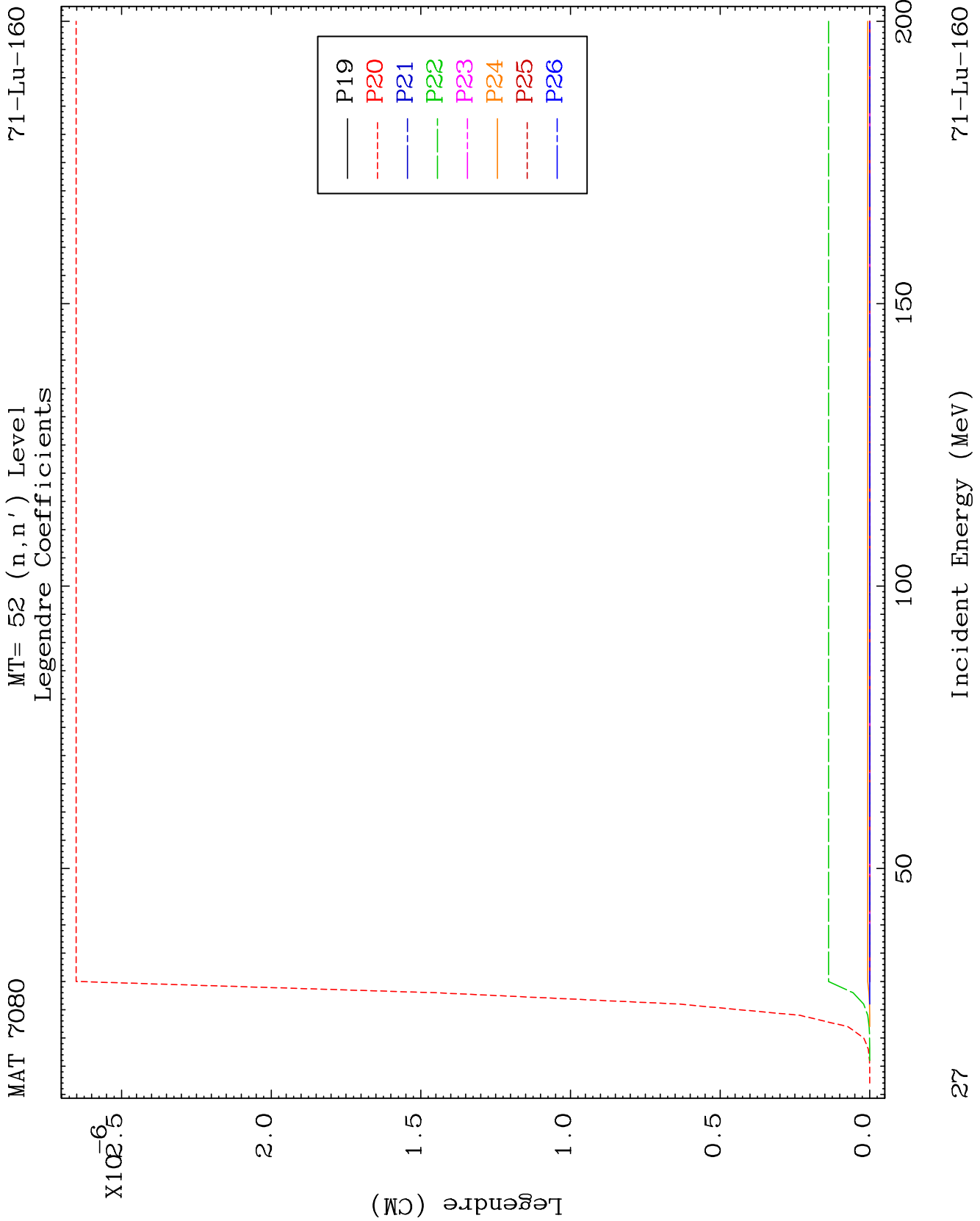
MT= 52 (n,n') Level
Legendre Coefficients

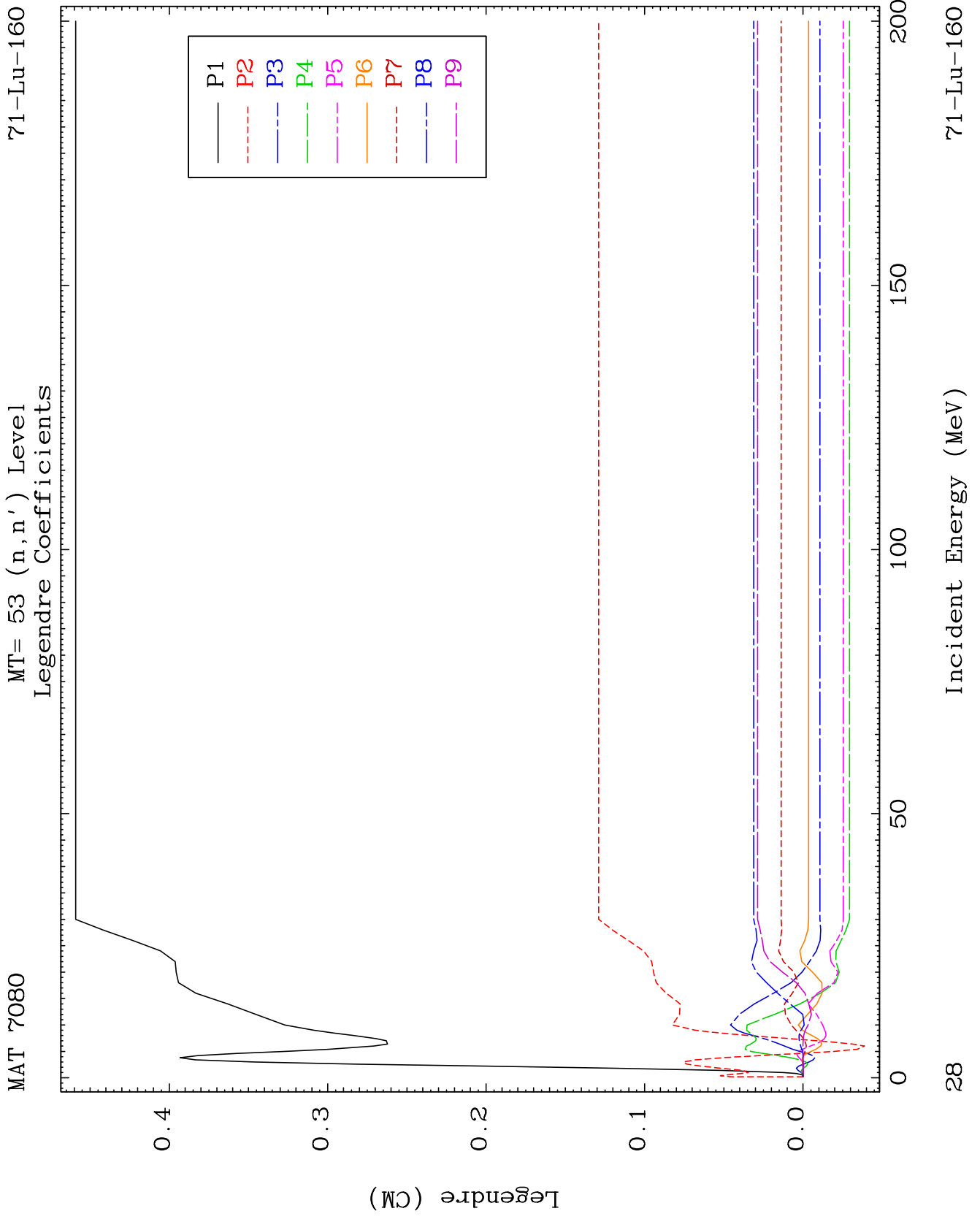
71-Lu-160



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71-Lu-160

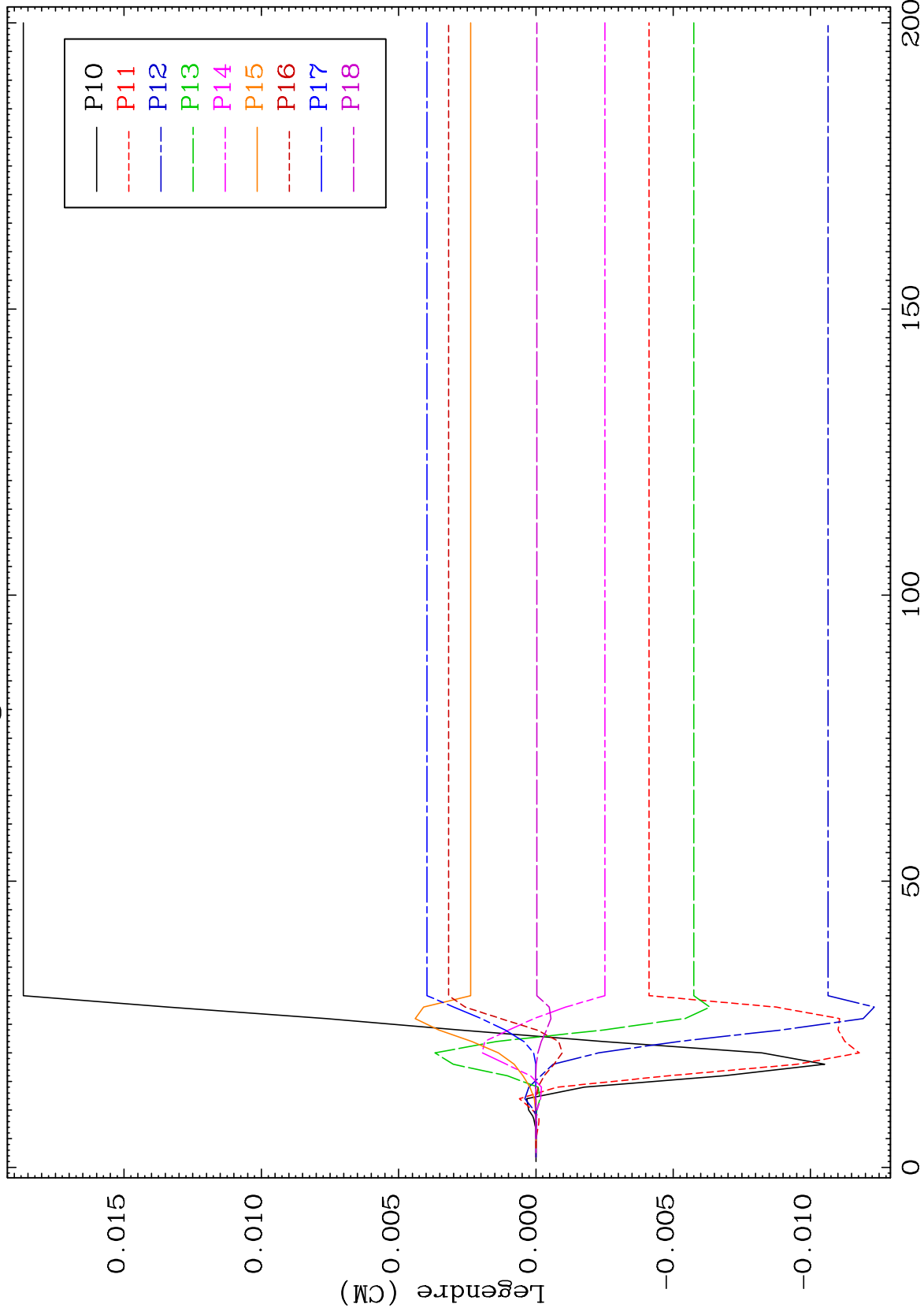




MAT 7080

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

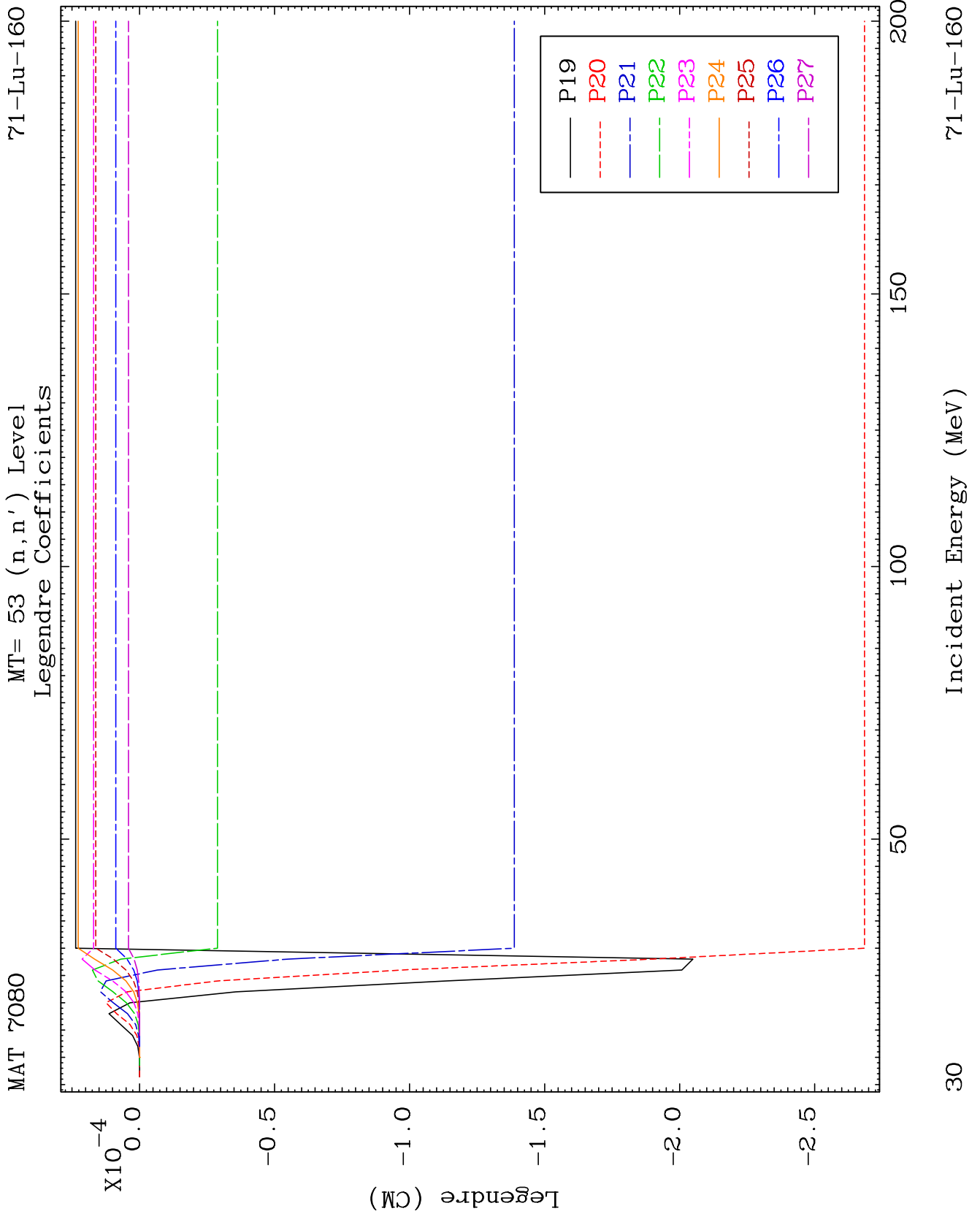
71-Lu-160



29

Incident Energy (MeV)

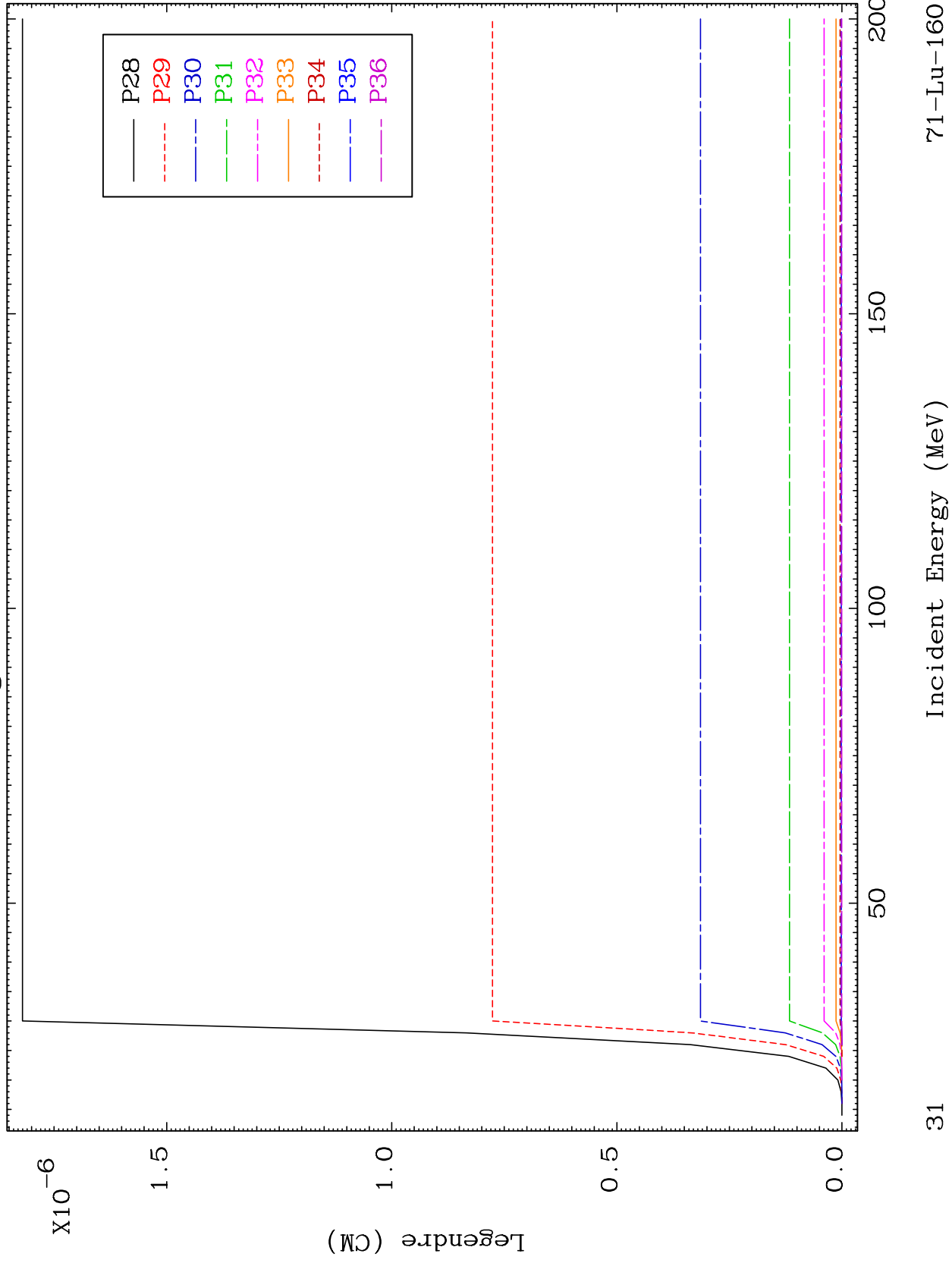
71-Lu-160



MAT 7080

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

71-Lu-160



31

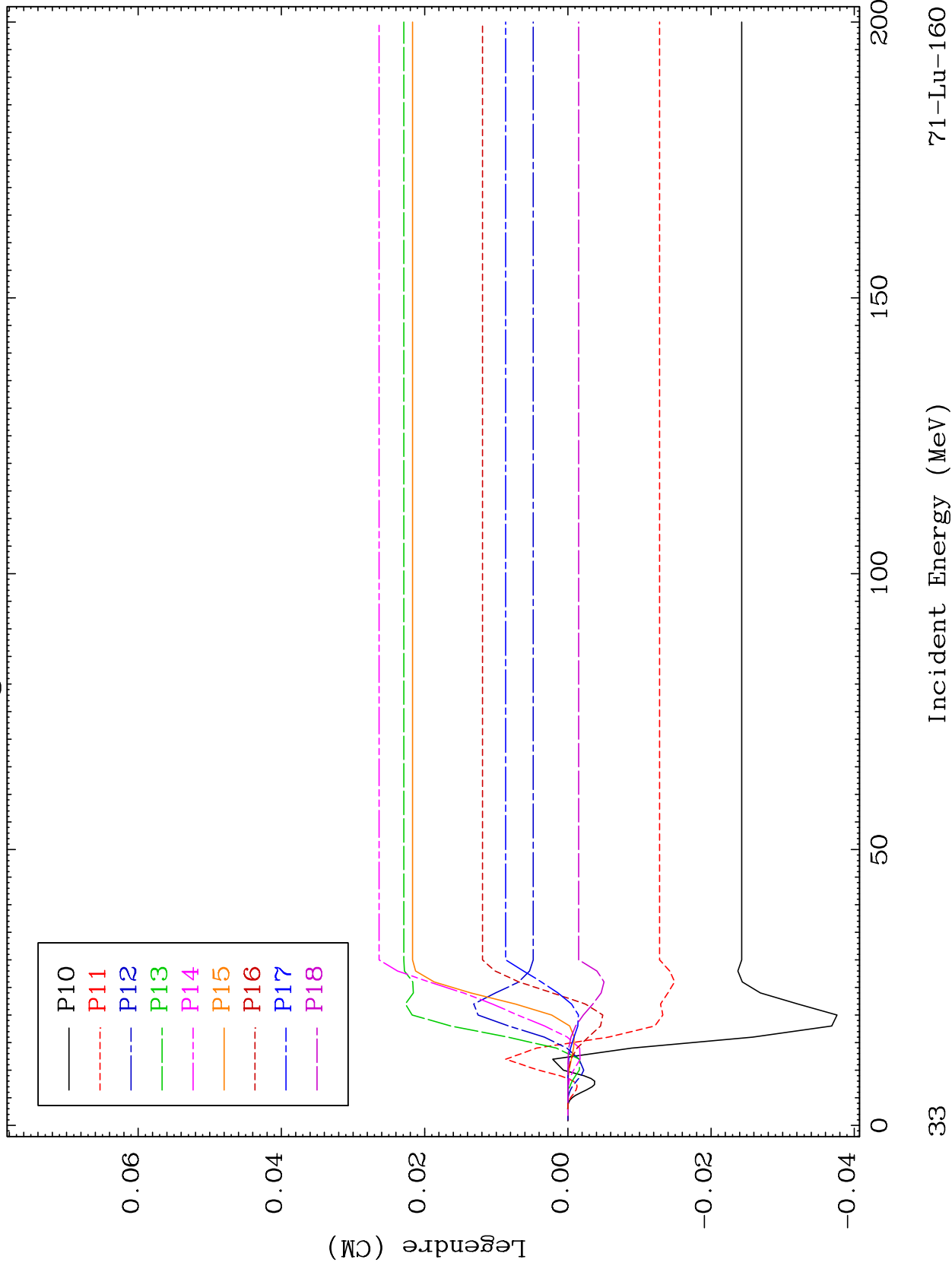
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

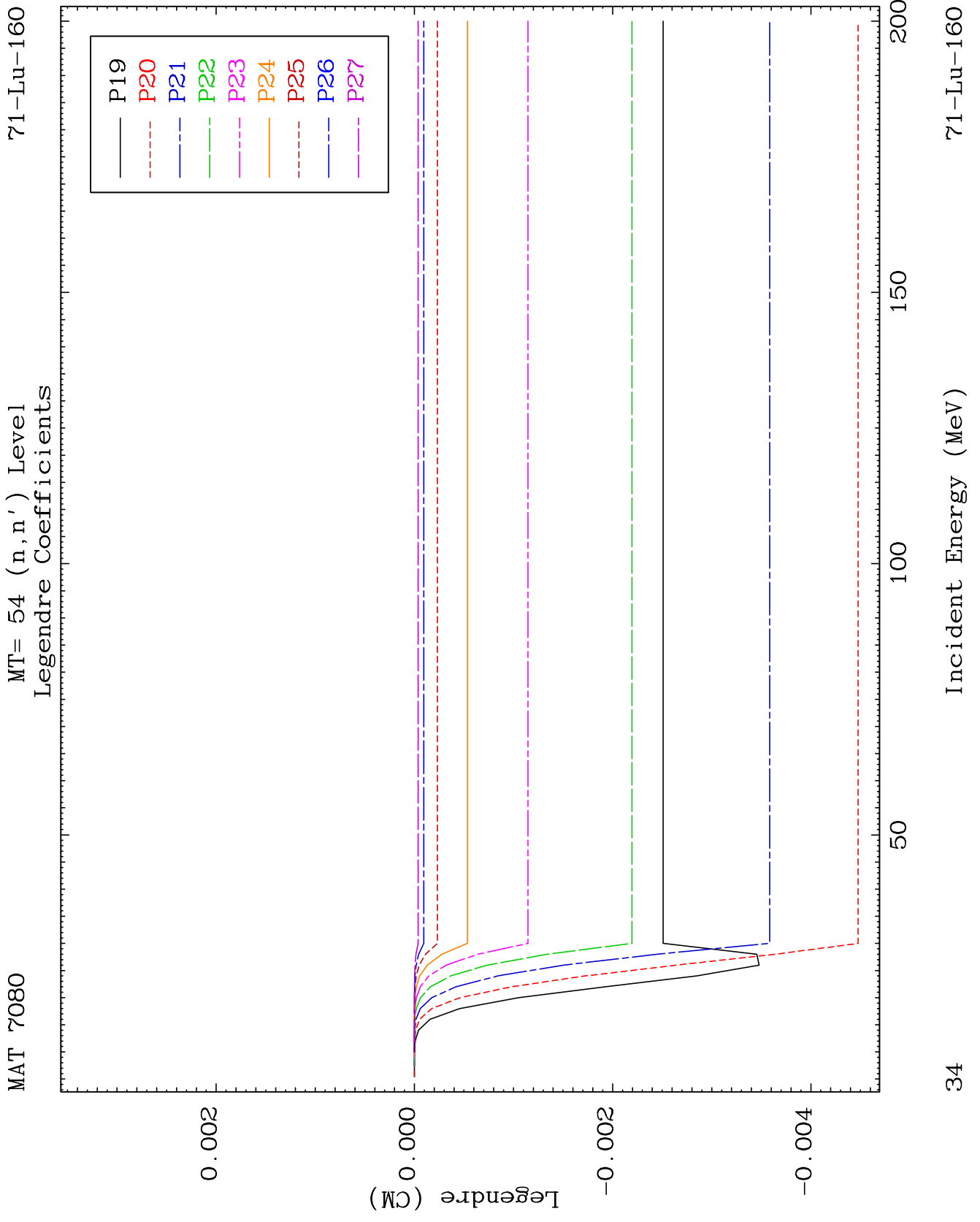
71-Lu-160

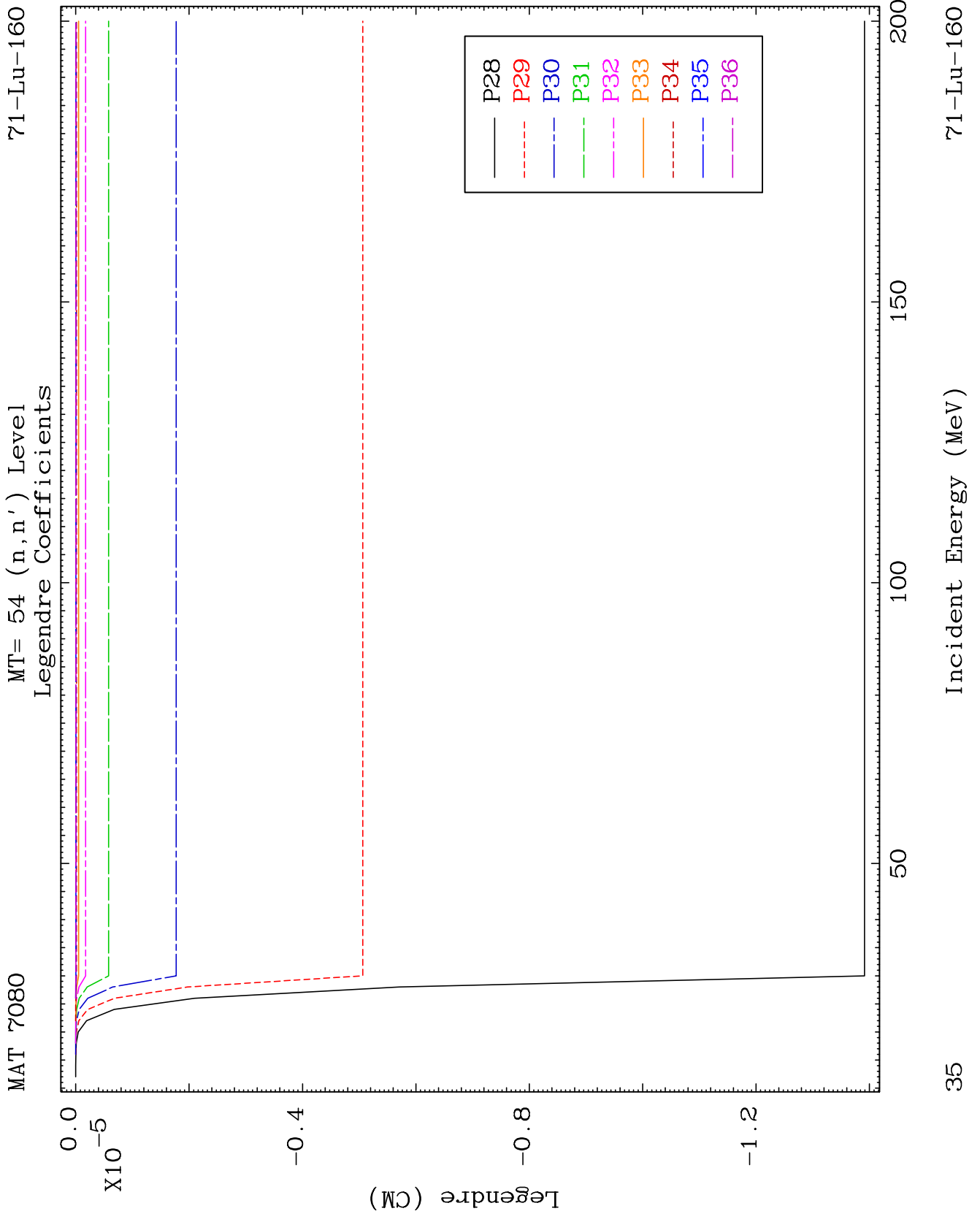


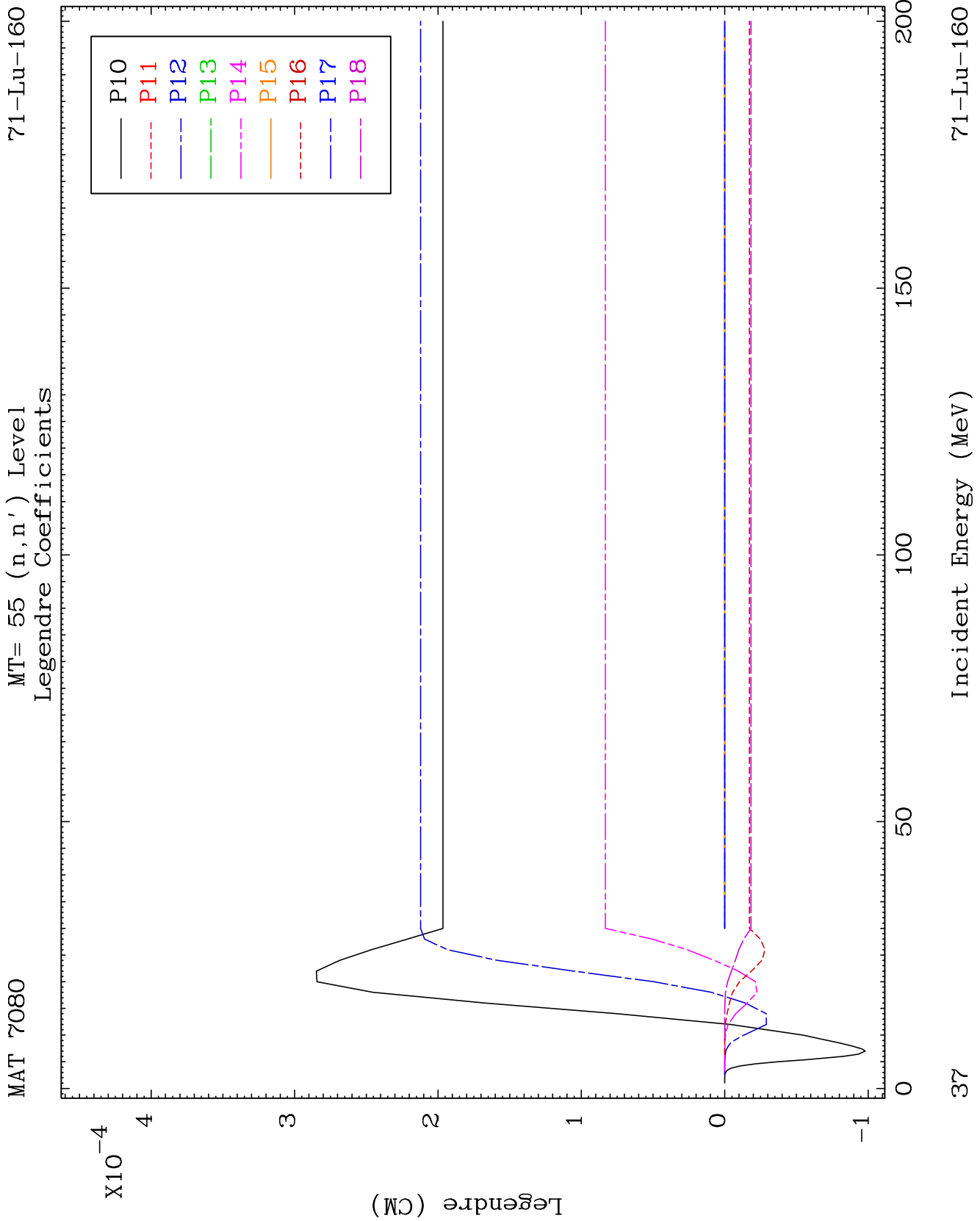
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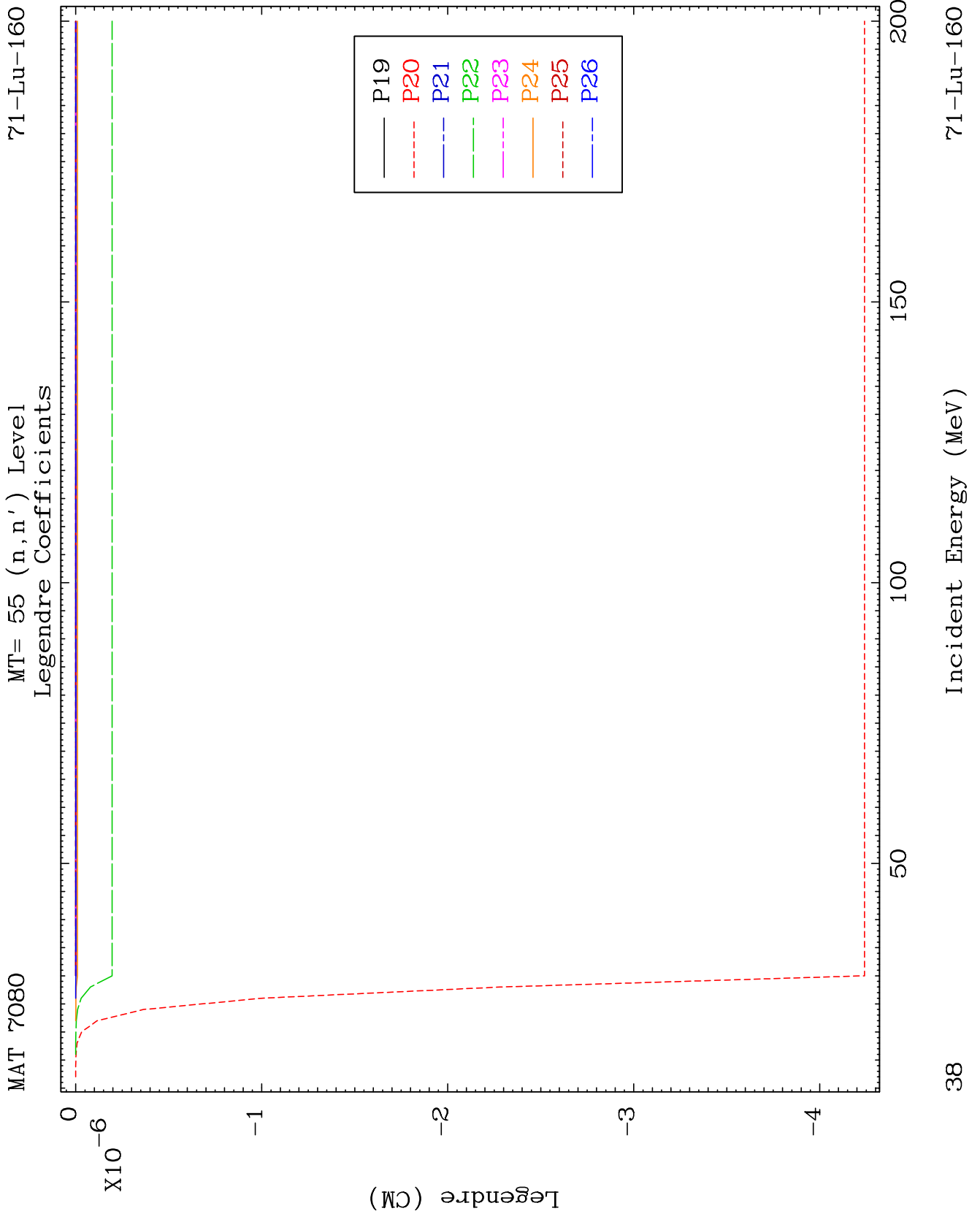
Incident Energy (MeV)

71-Lu-160





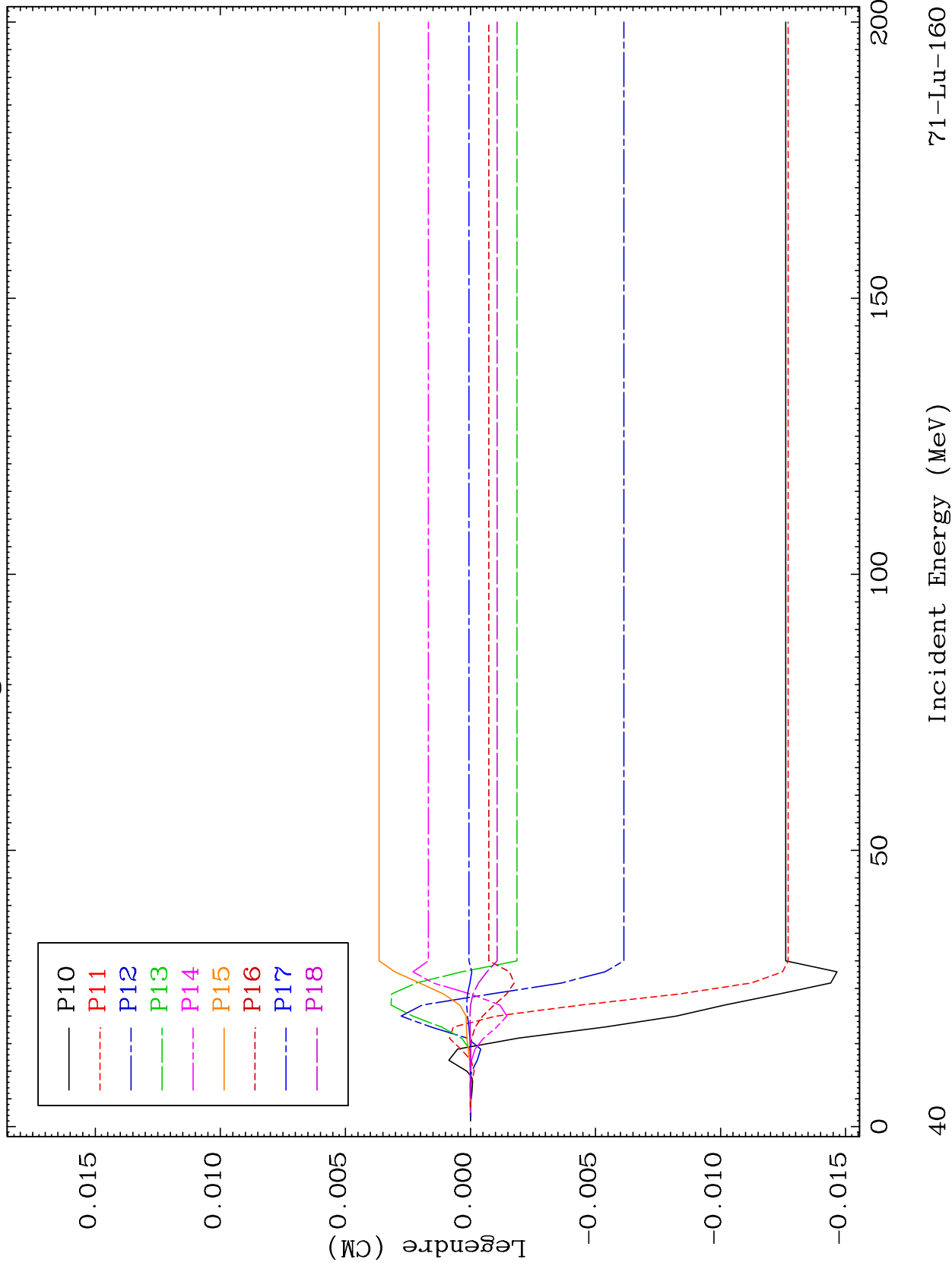




MAT 7080

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

71-Lu-160



71-Lu-160

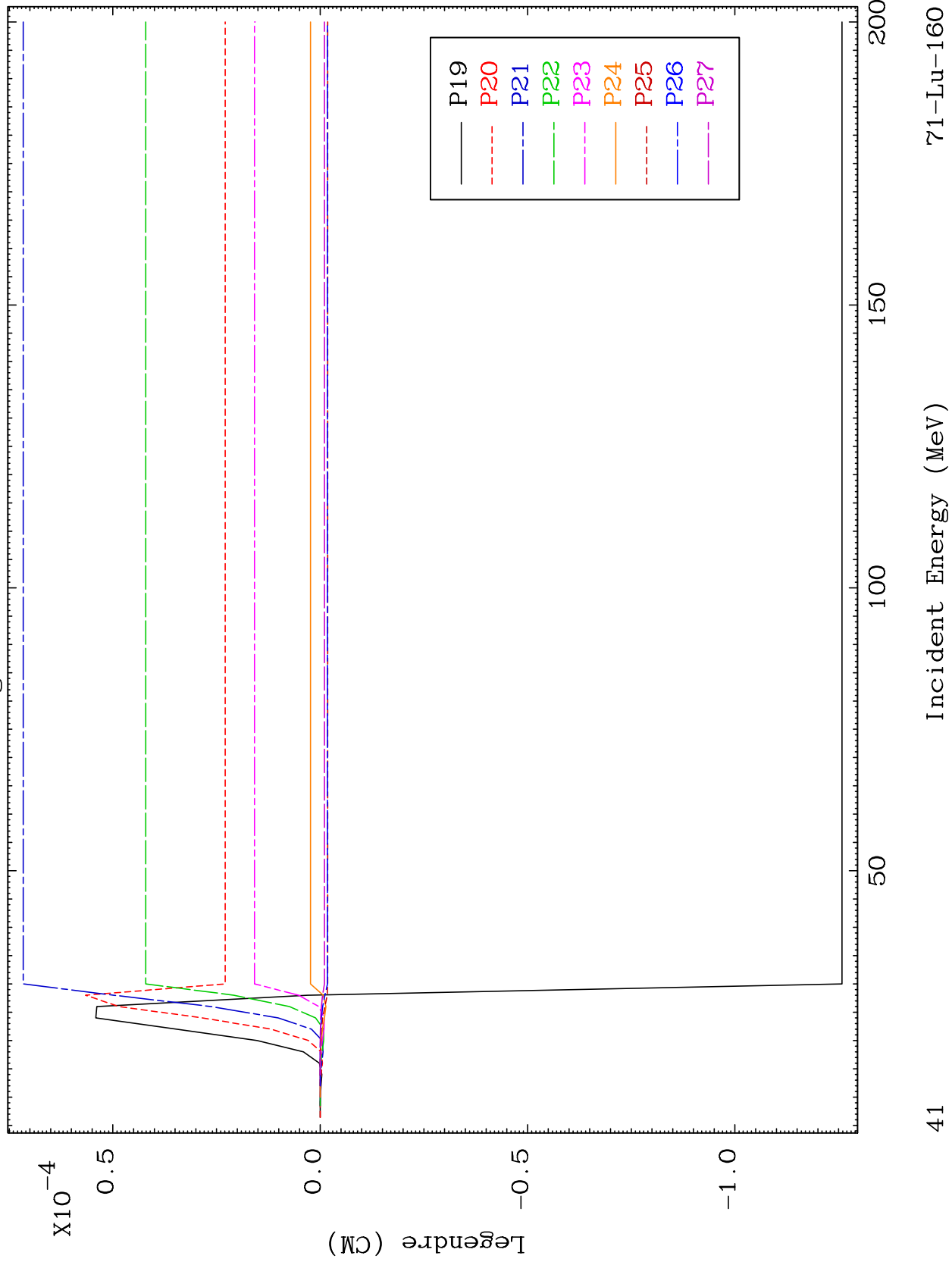
Incident Energy (MeV)

40

MAT 7080

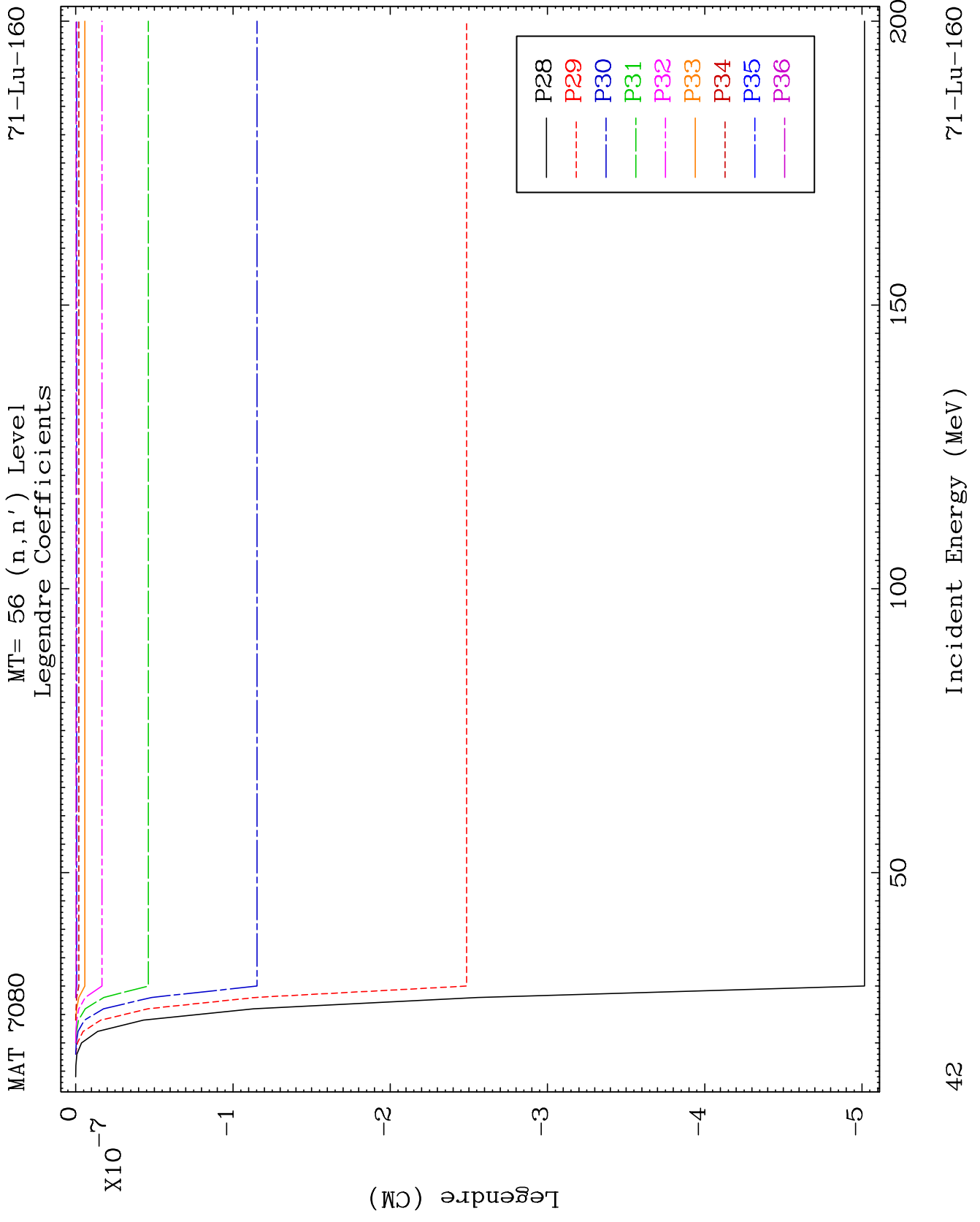
MT= 56 (n,n') Level
Legendre Coefficients

71-Lu-160



41

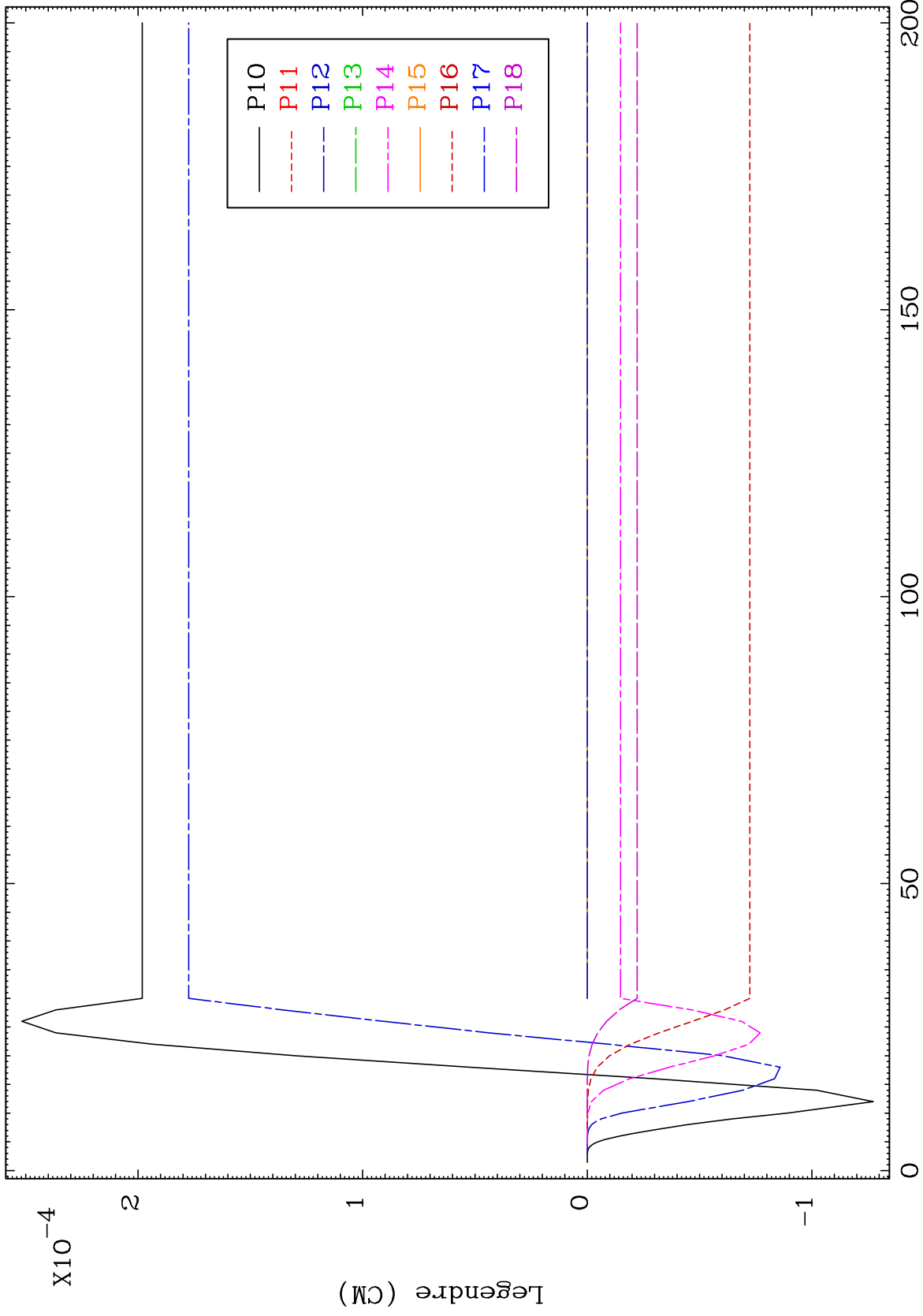
71-Lu-160



MAT 7080

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

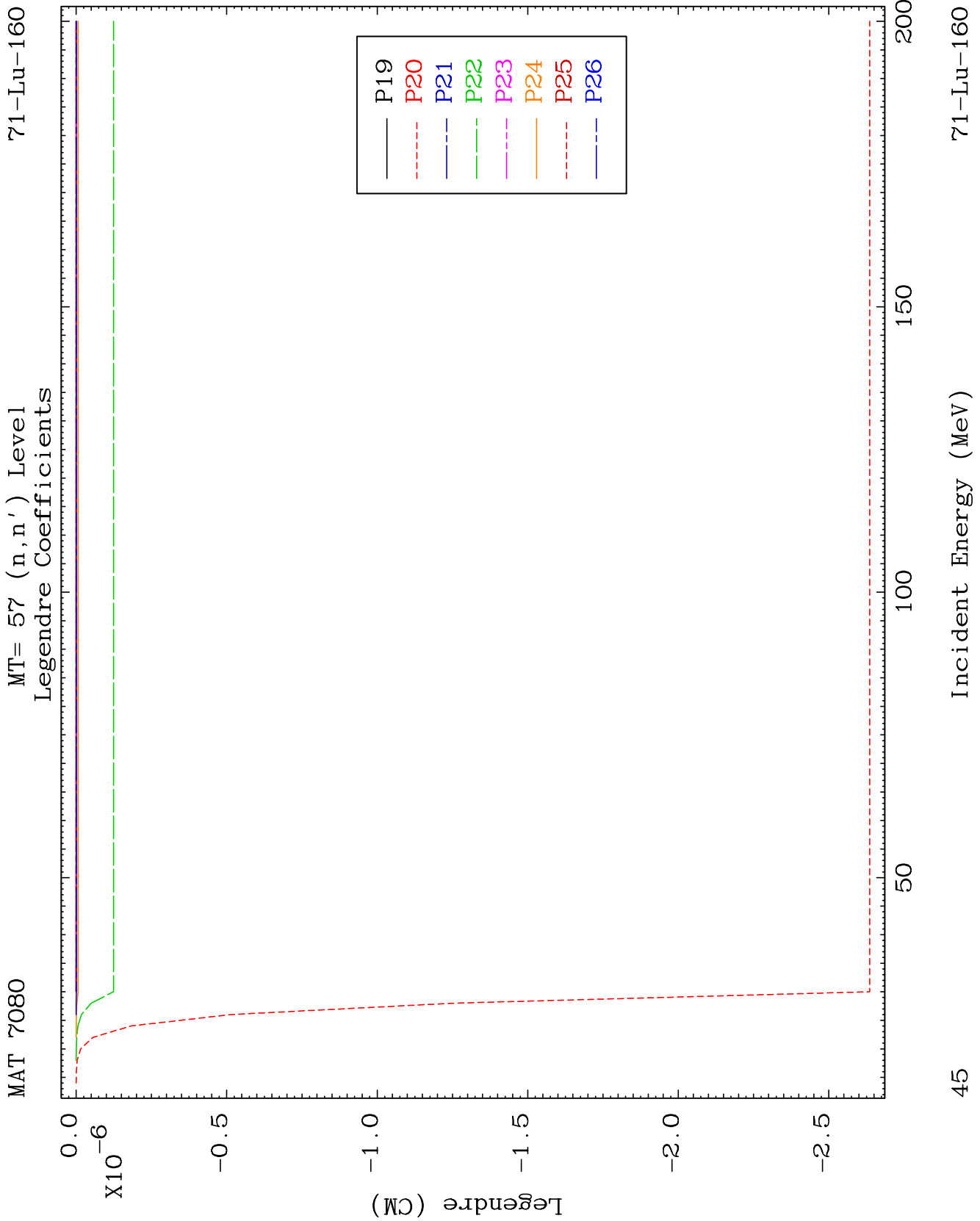
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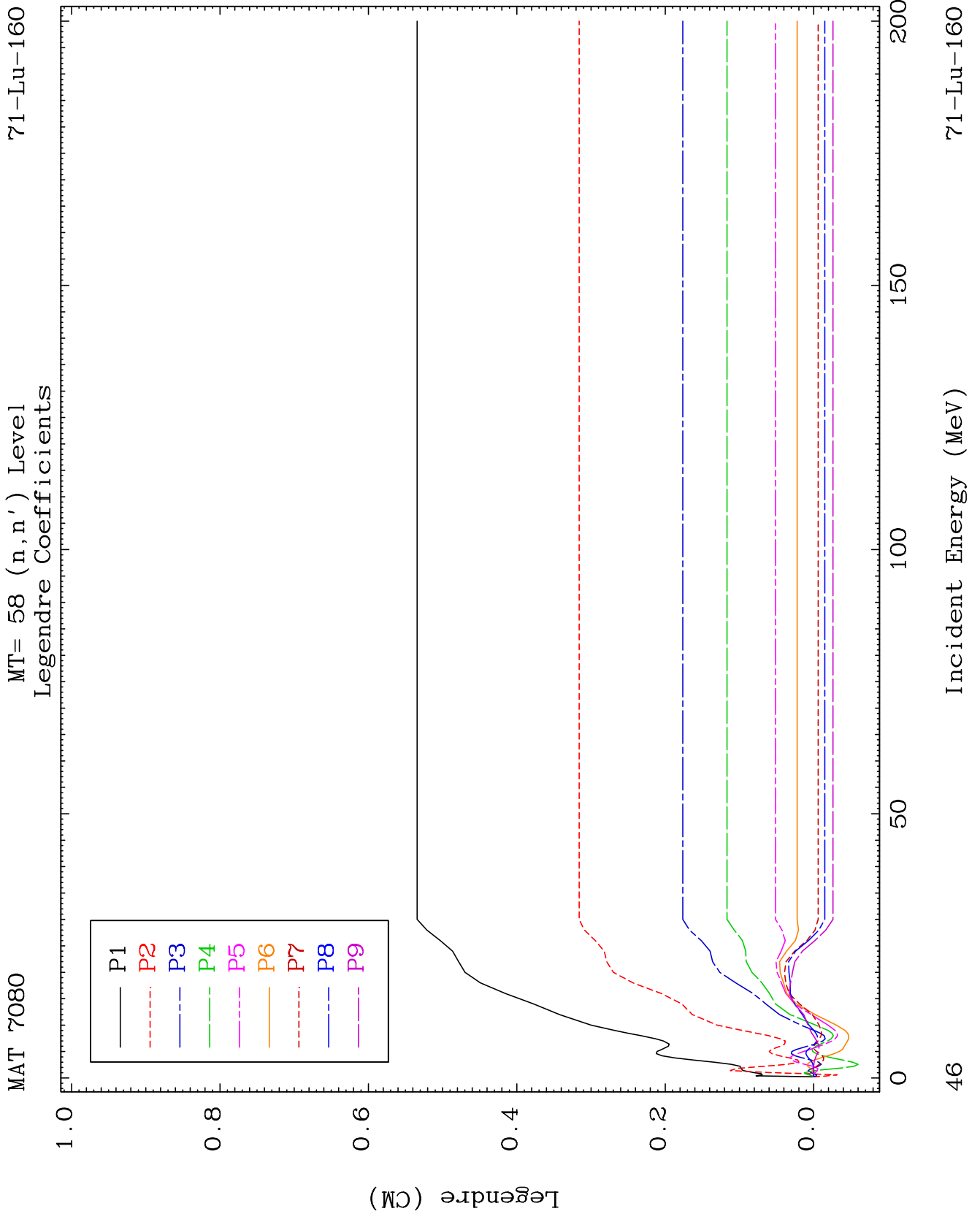


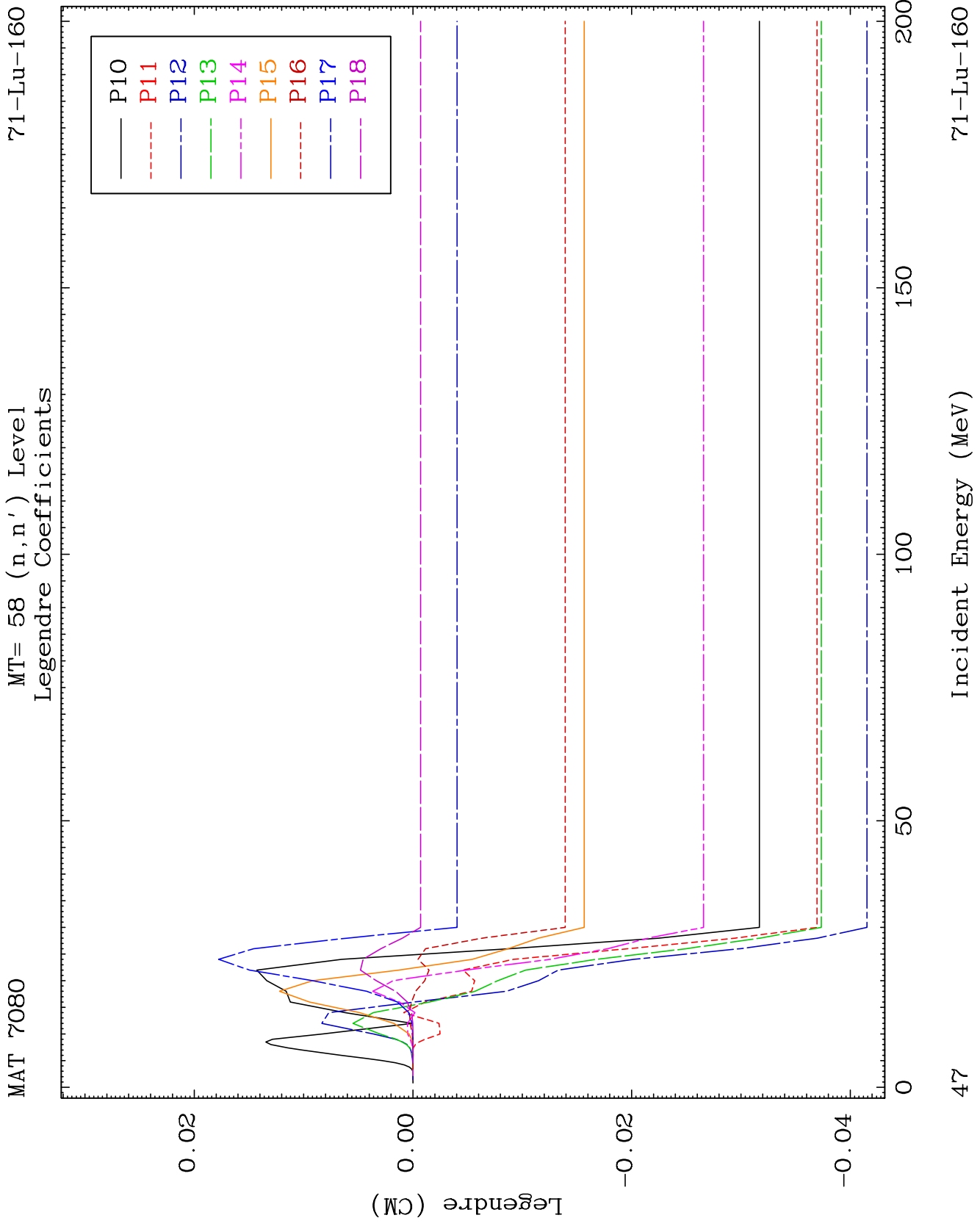
44

Incident Energy (MeV)

71-Lu-160



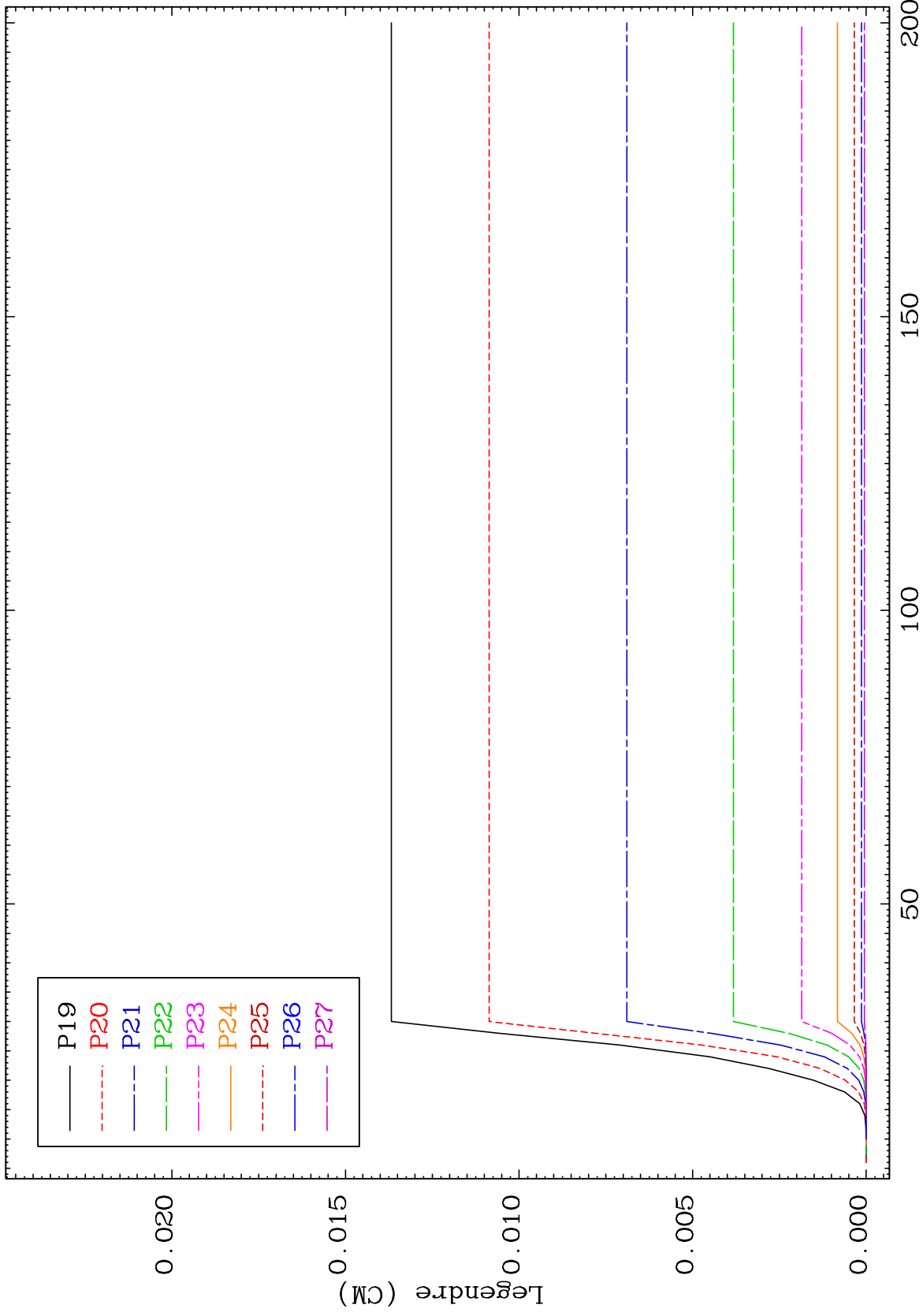




MAT 7080

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

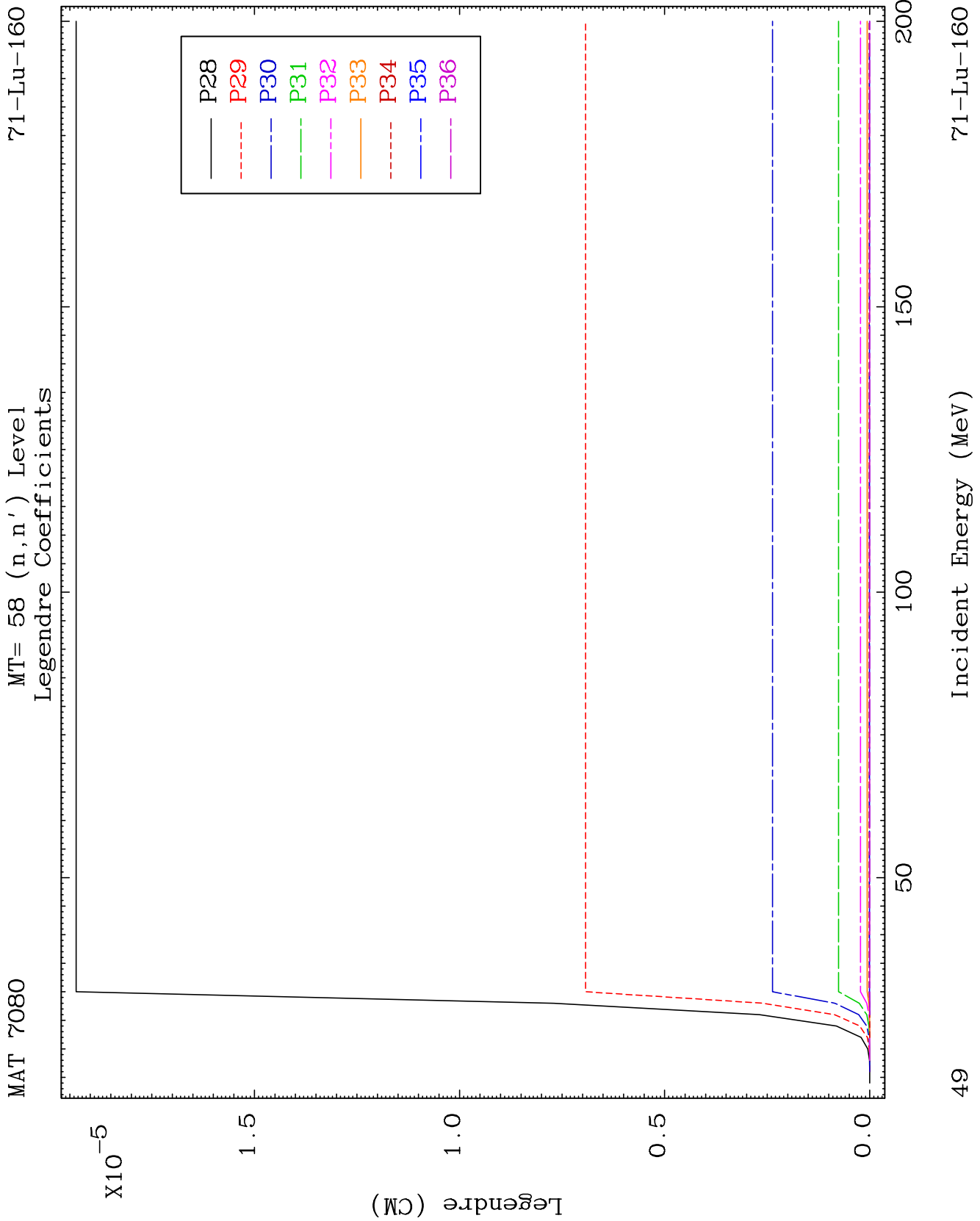
71-Lu-160



48

Incident Energy (MeV)

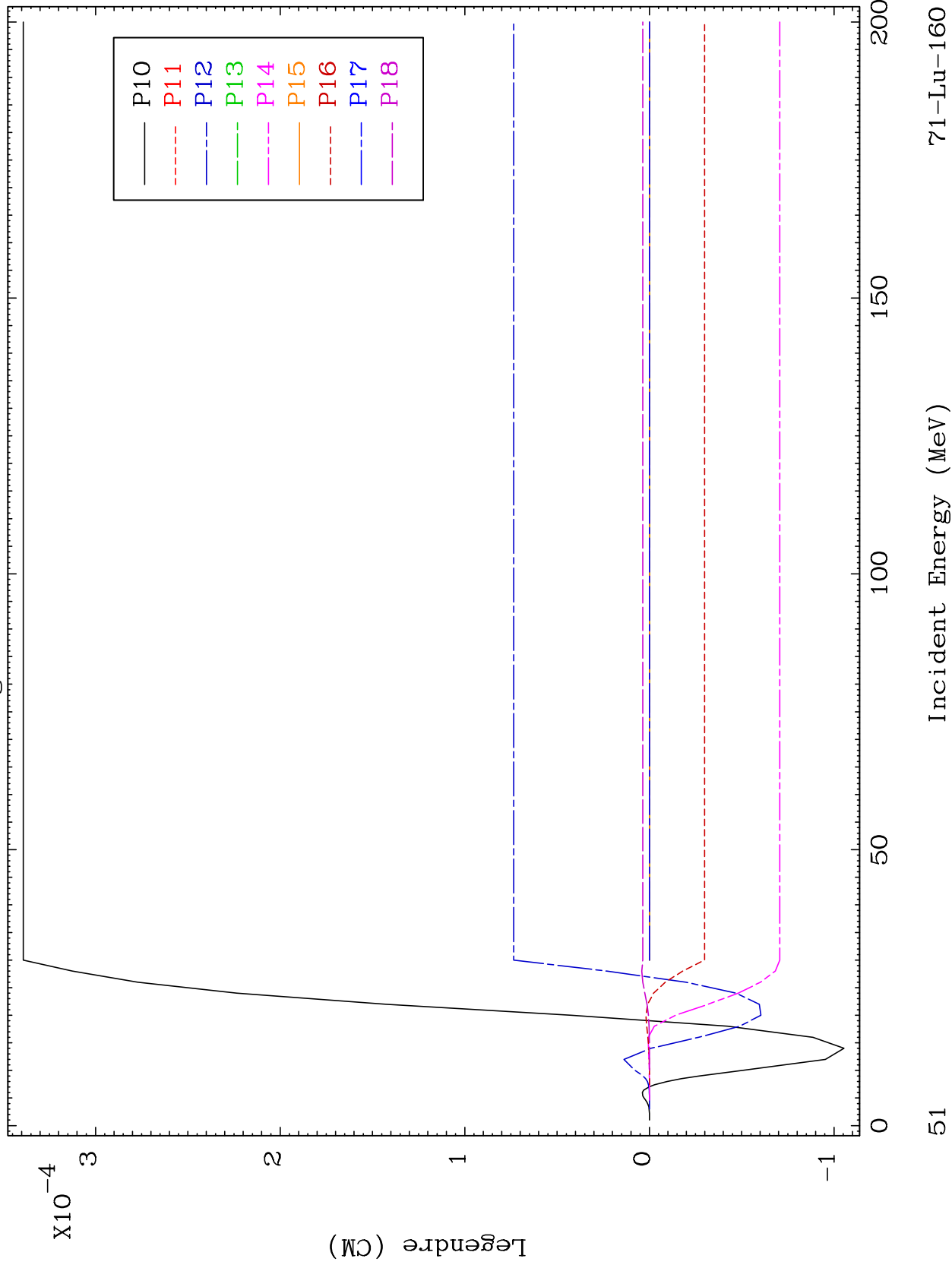
71-Lu-160



MAT 7080

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

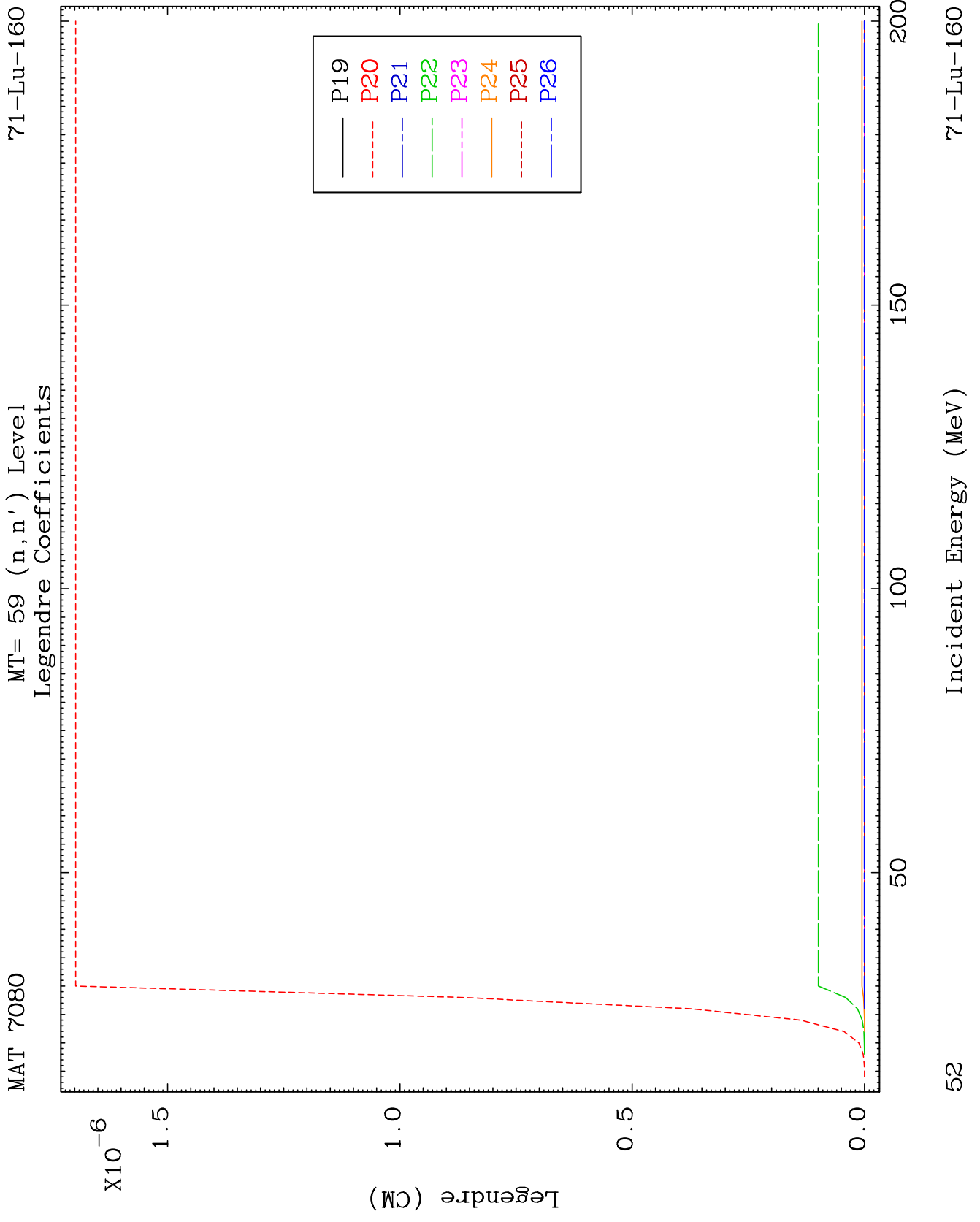
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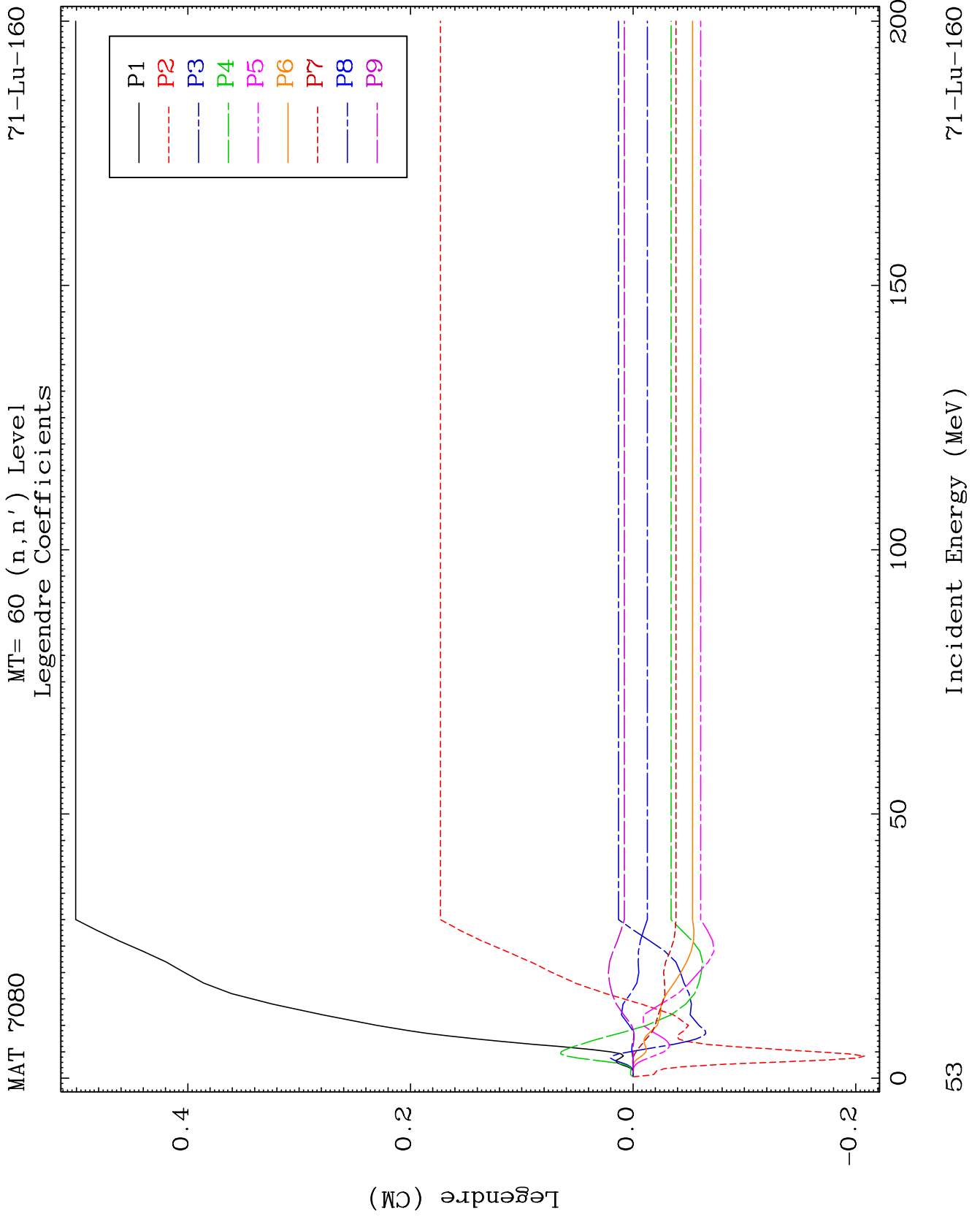


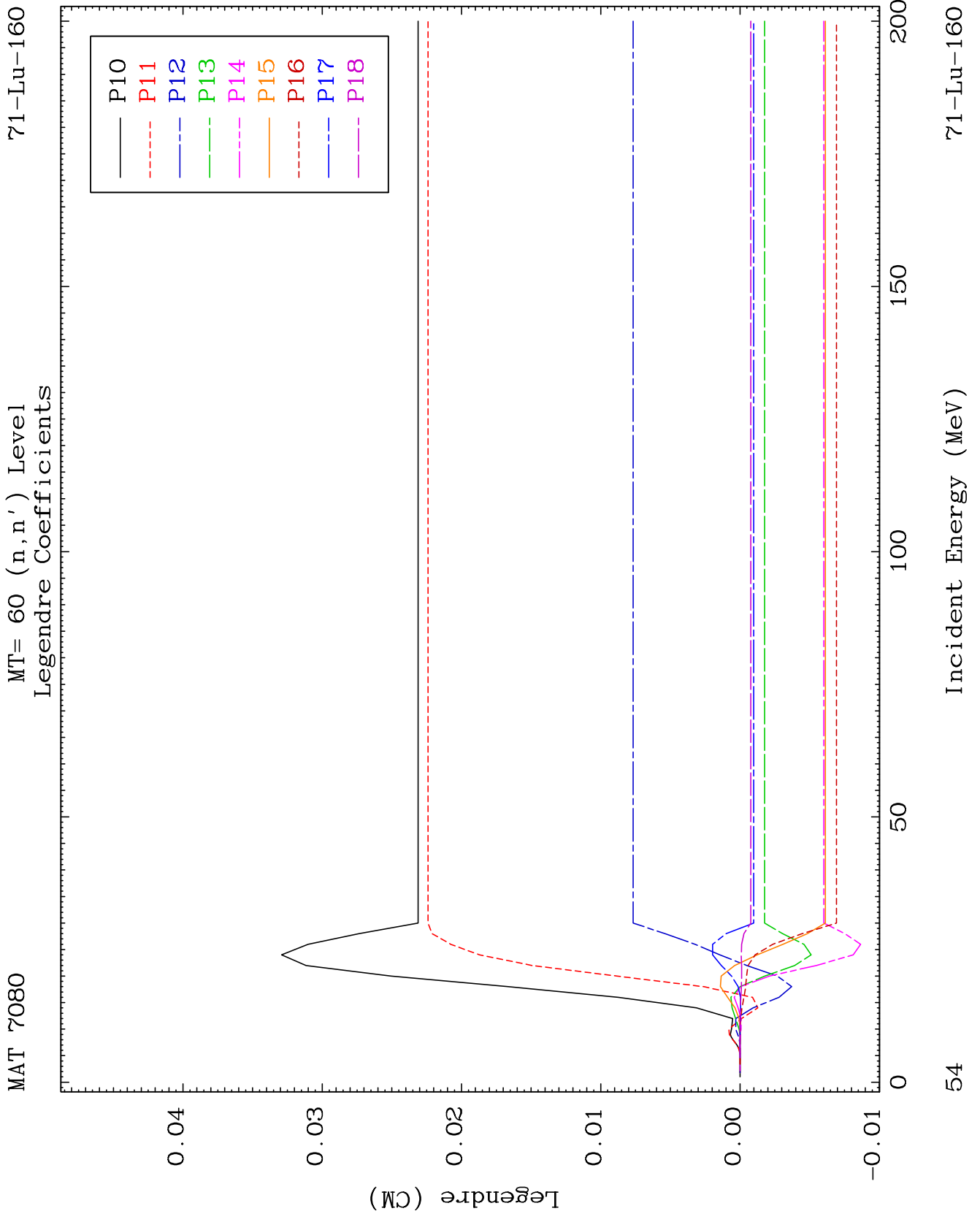
71-Lu-160

Incident Energy (MeV)

51



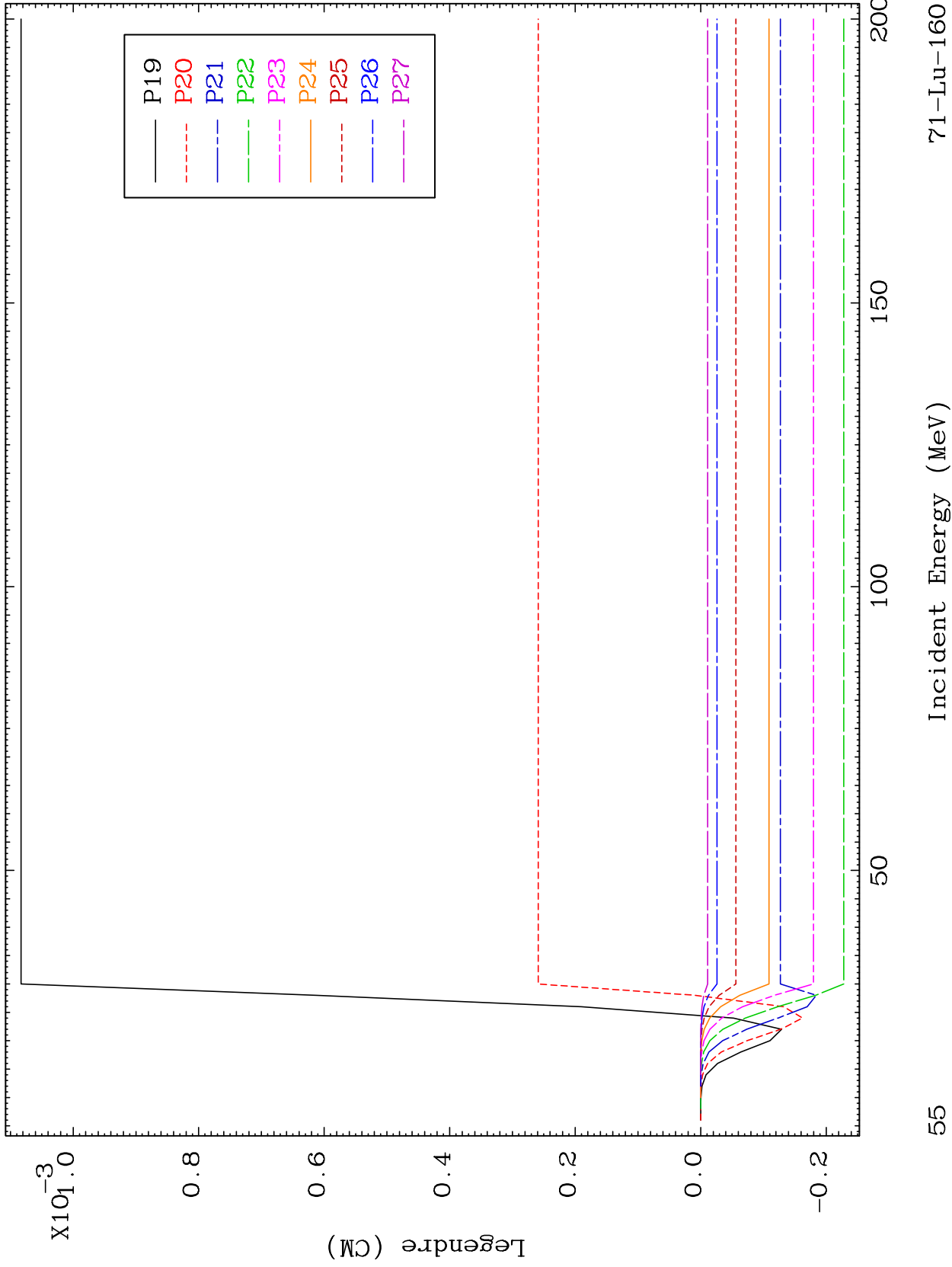




MAT 7080

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

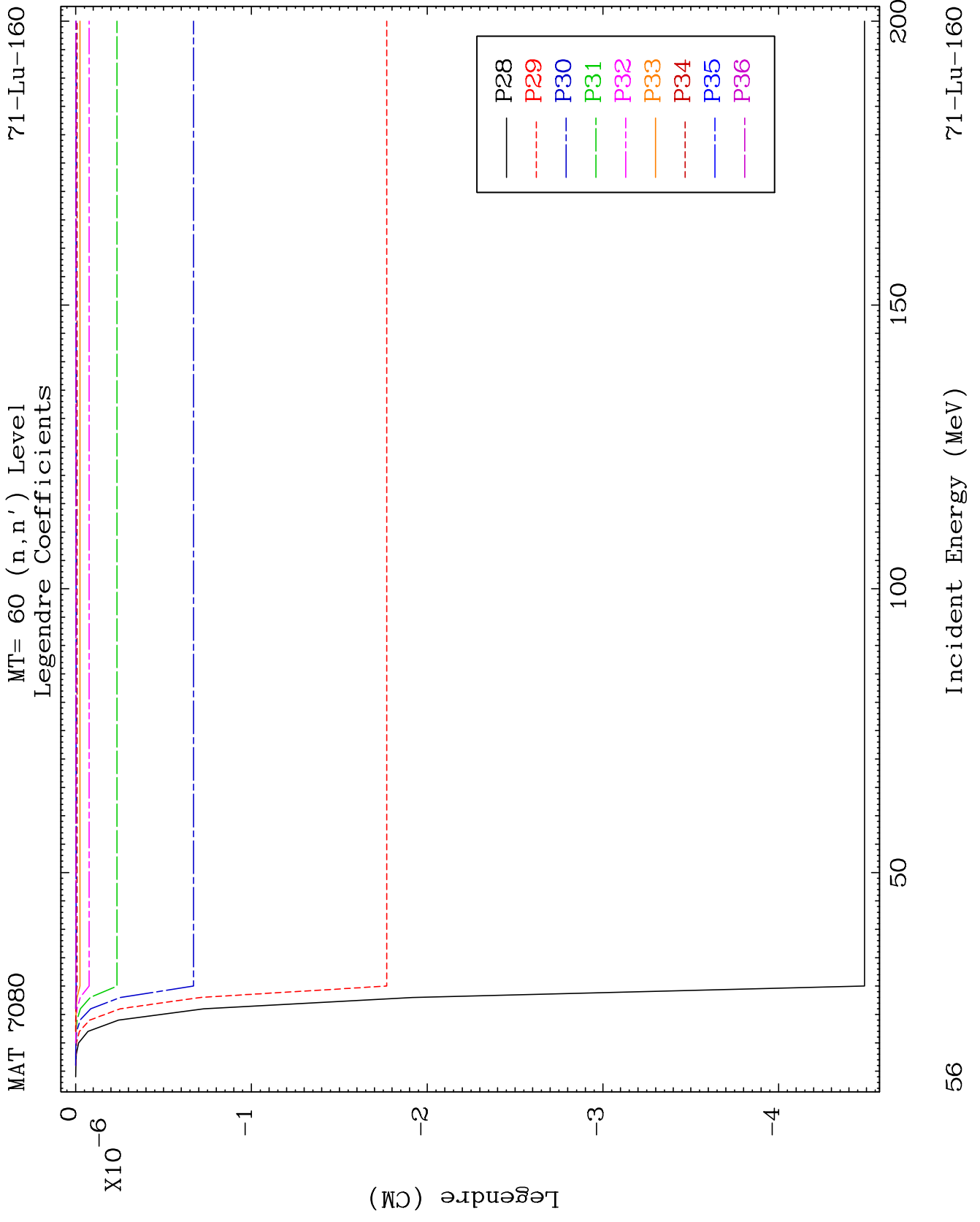
71-Lu-160



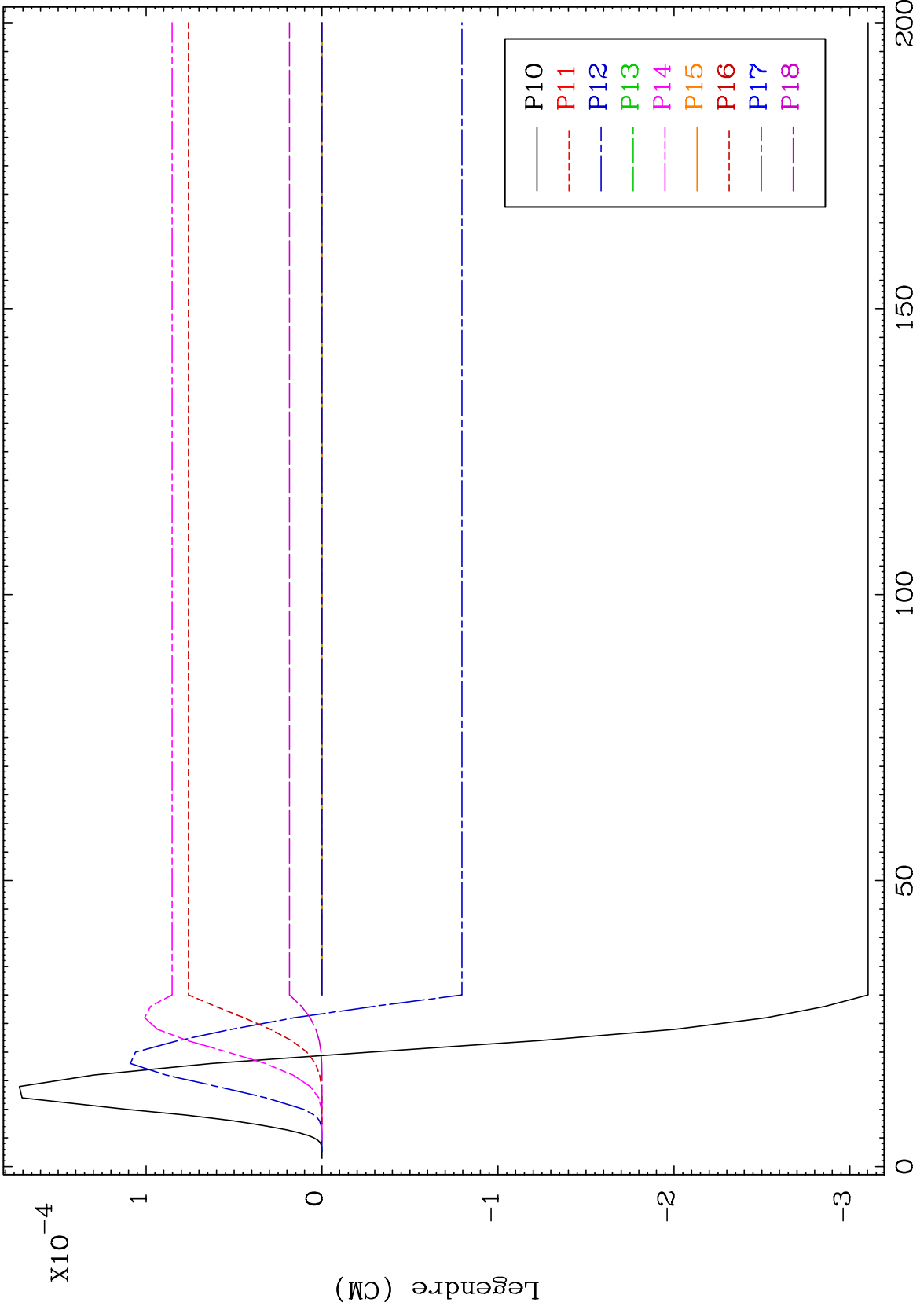
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Incident Energy (MeV)

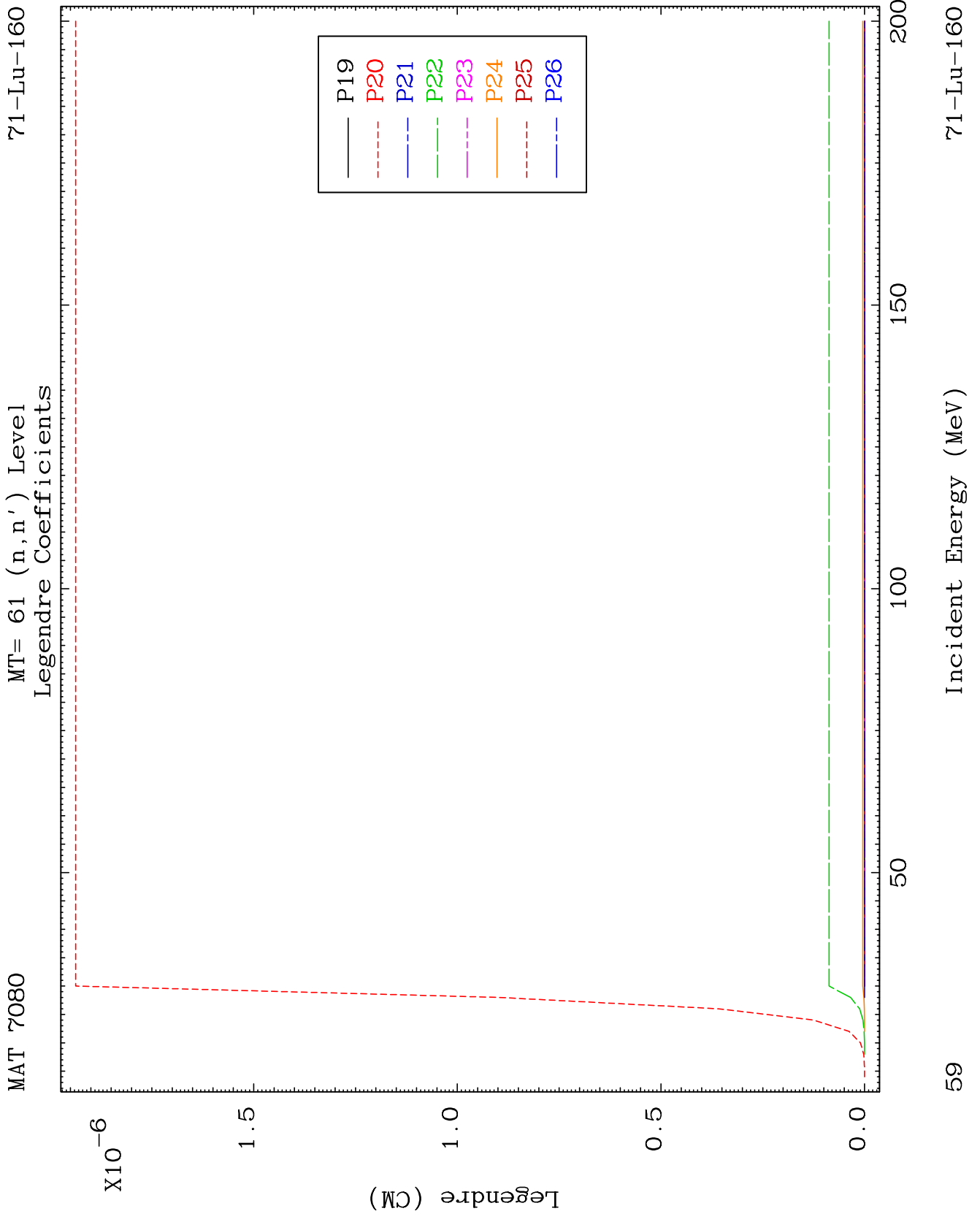
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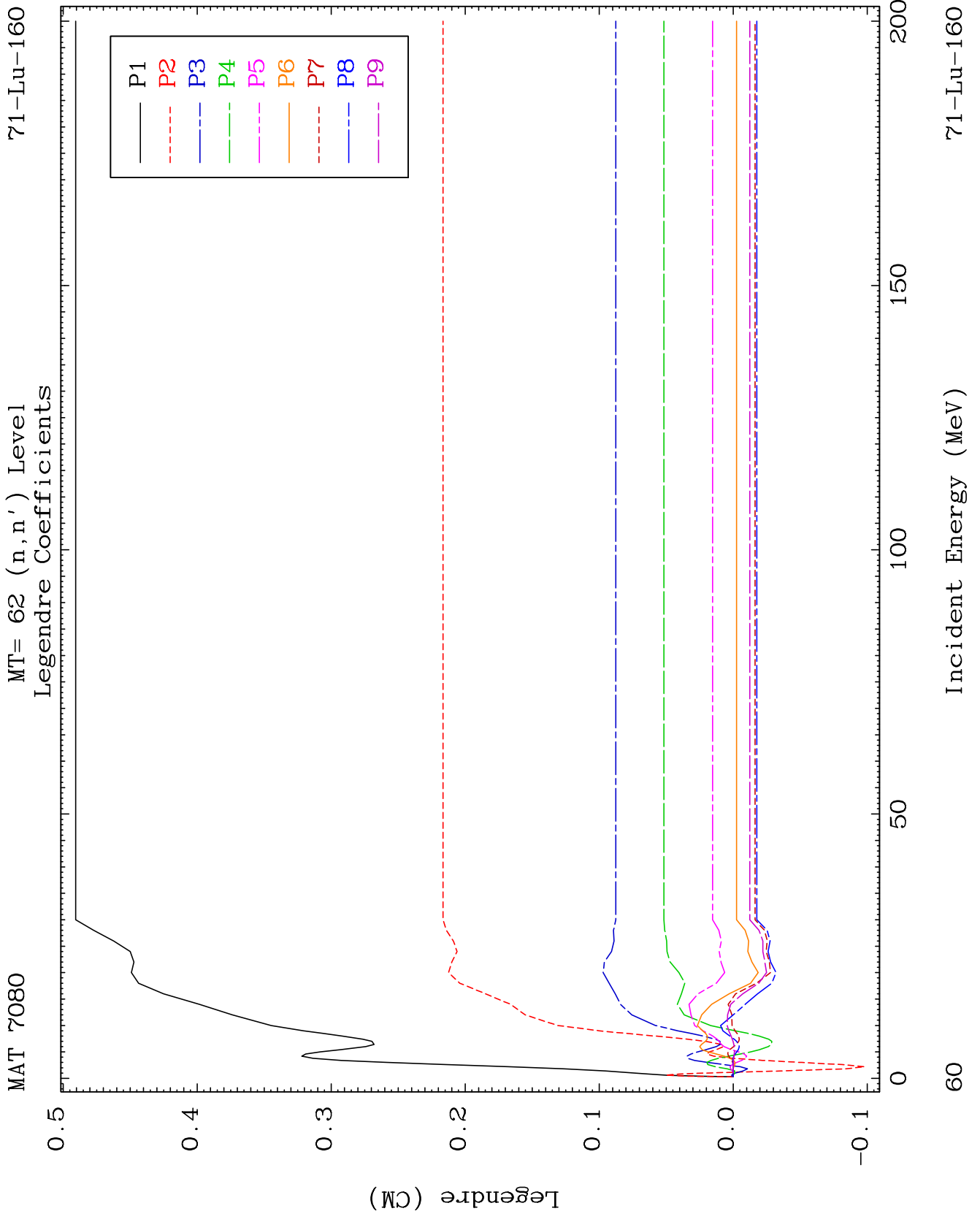


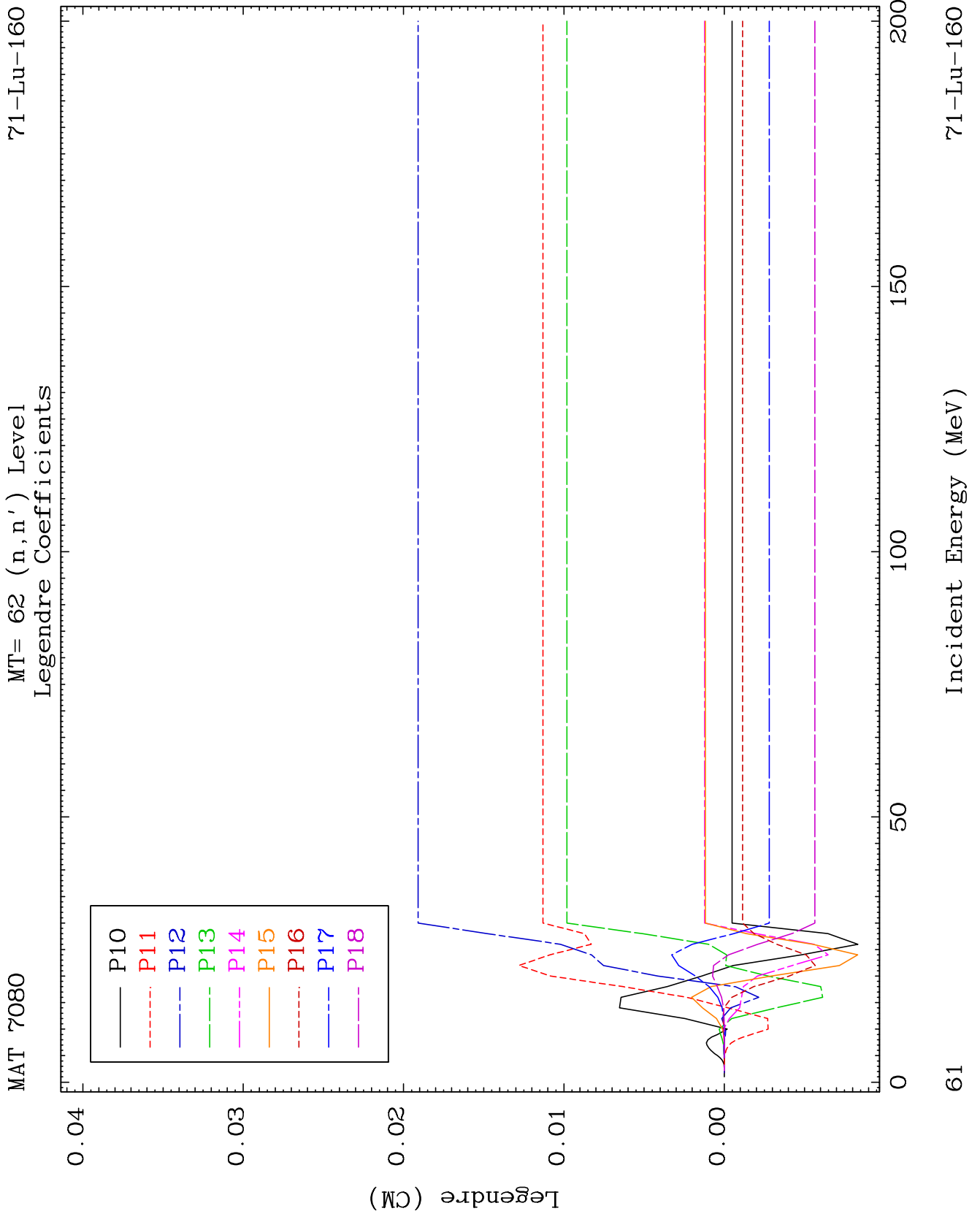
MAT 7080 MT= 61 (n,n') Level Legendre Coefficients 71-Lu-160

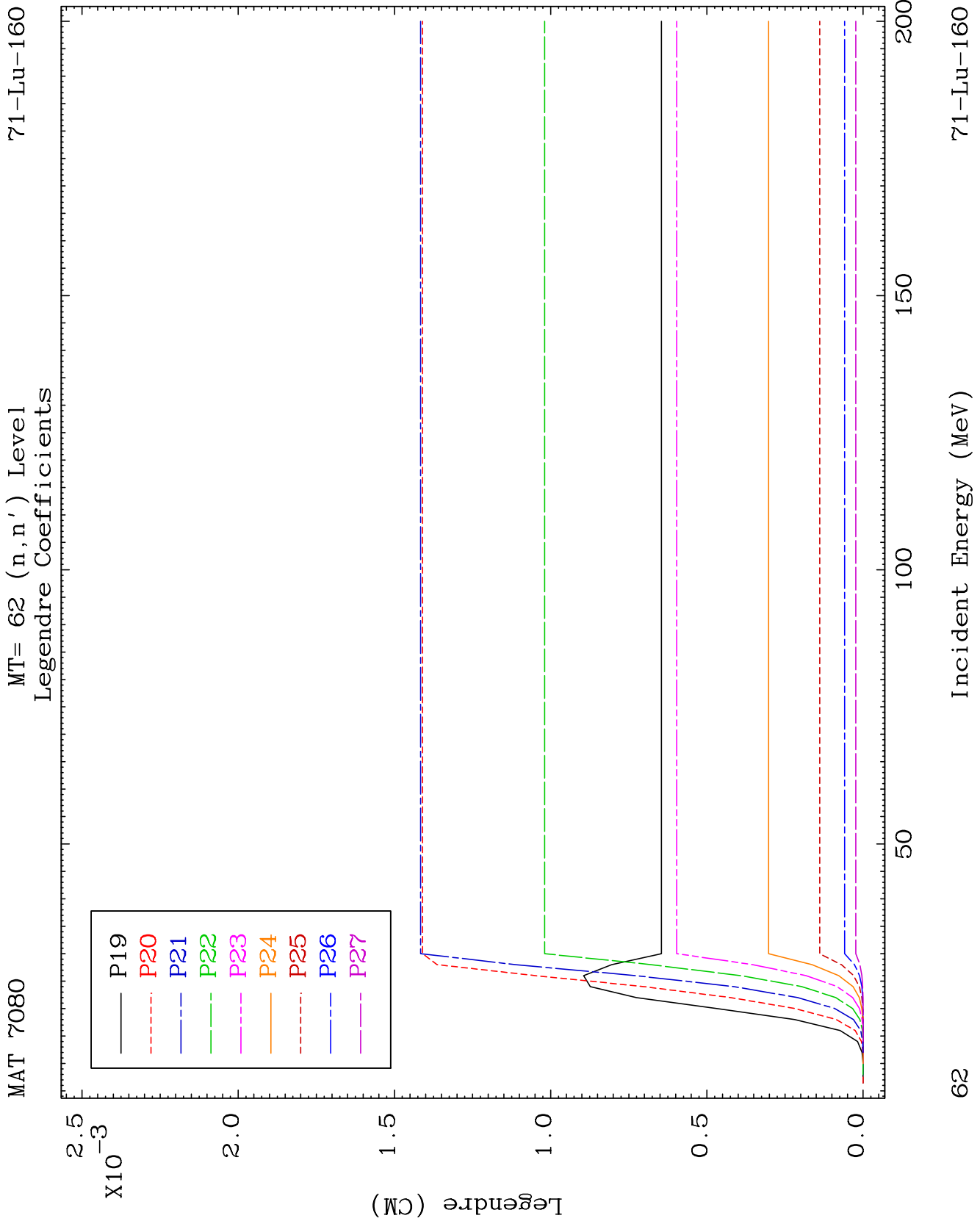


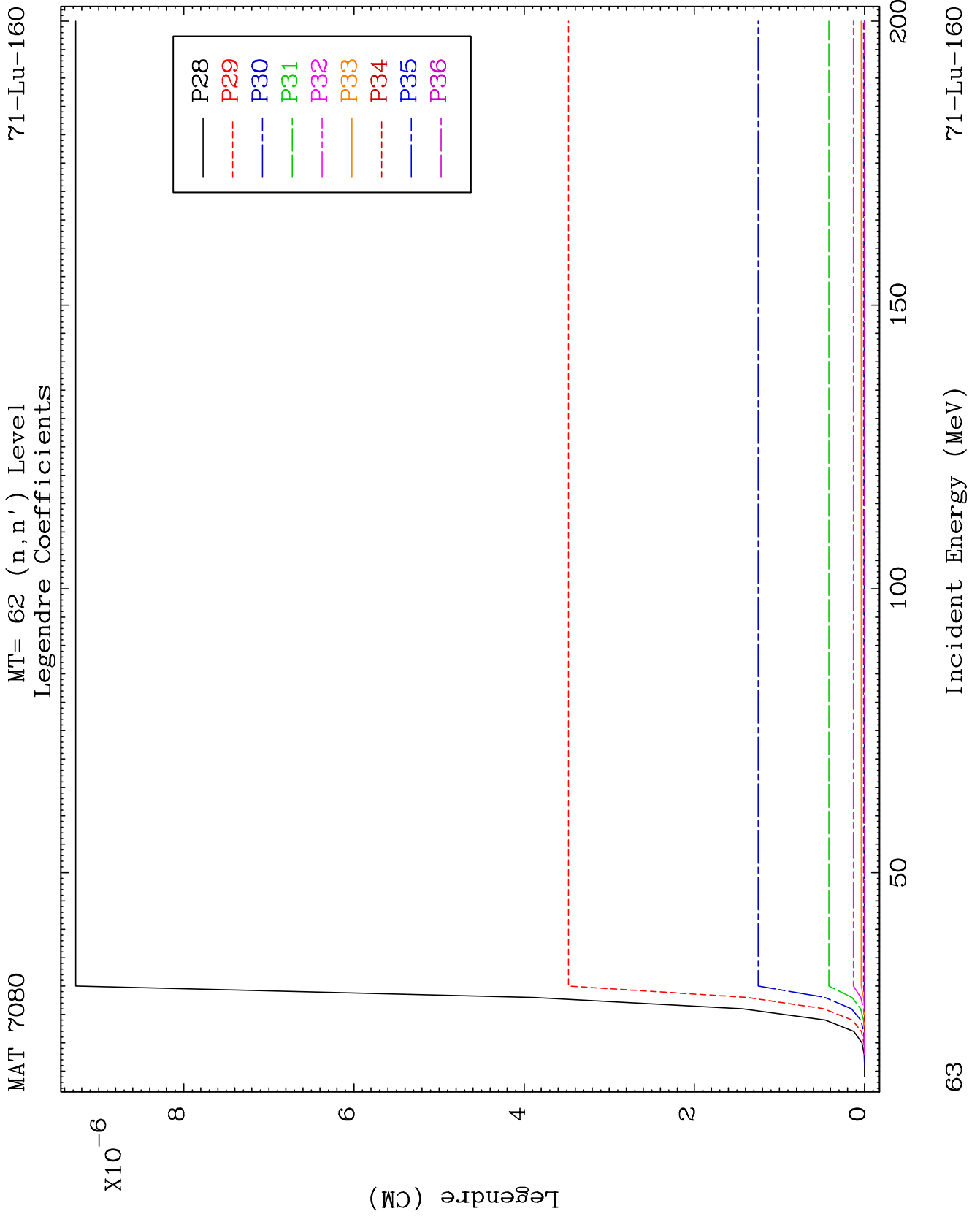
58 71-Lu-160

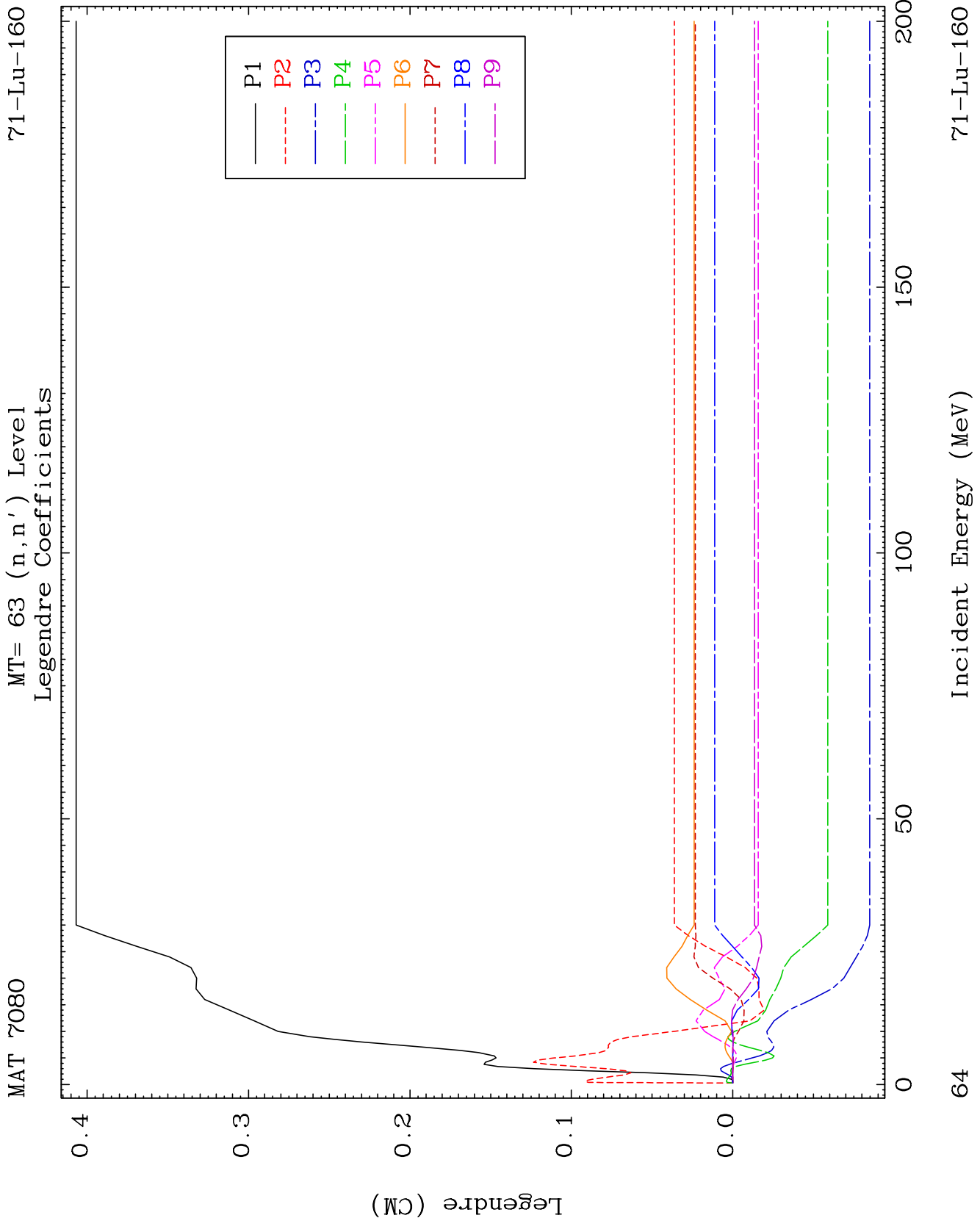


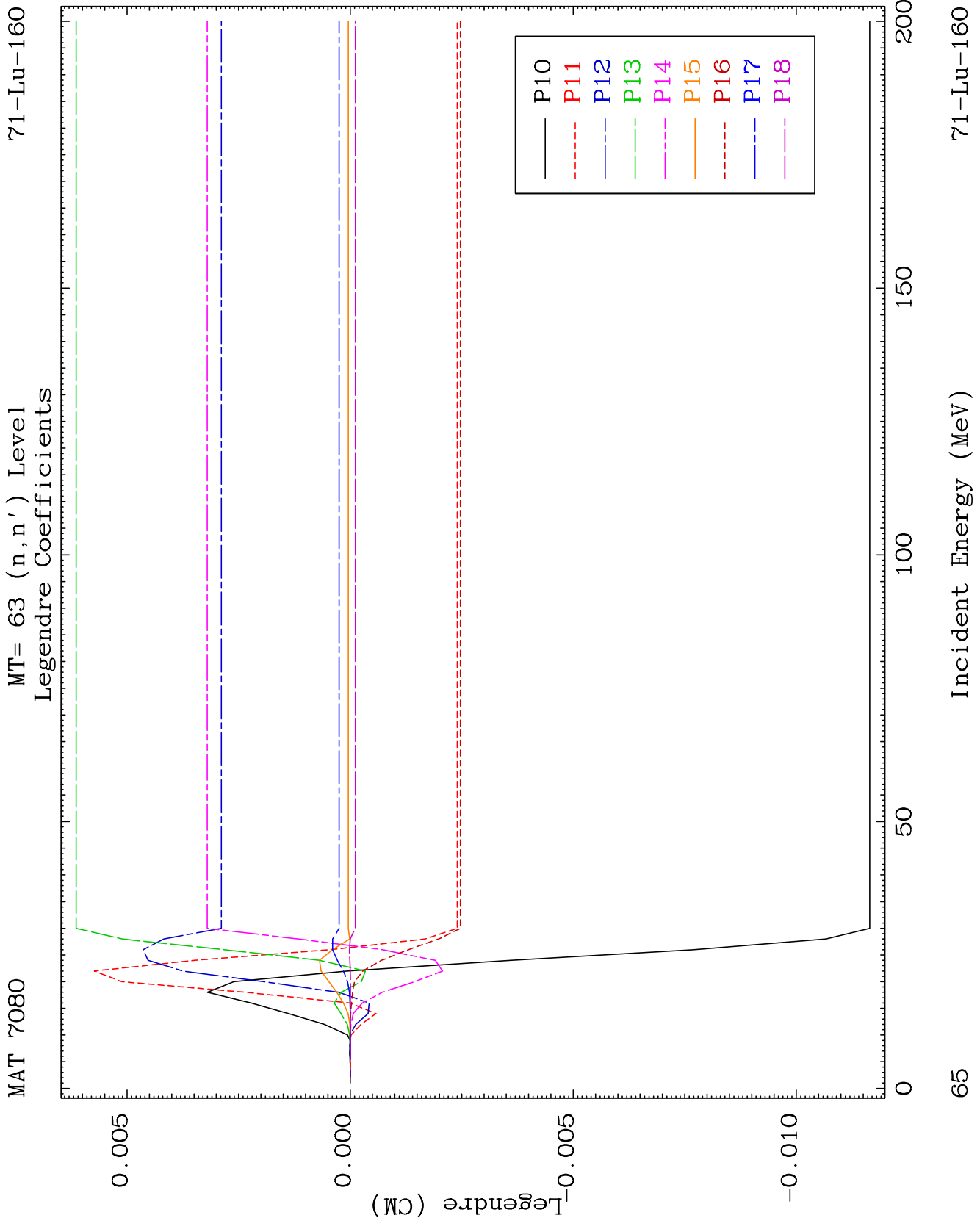


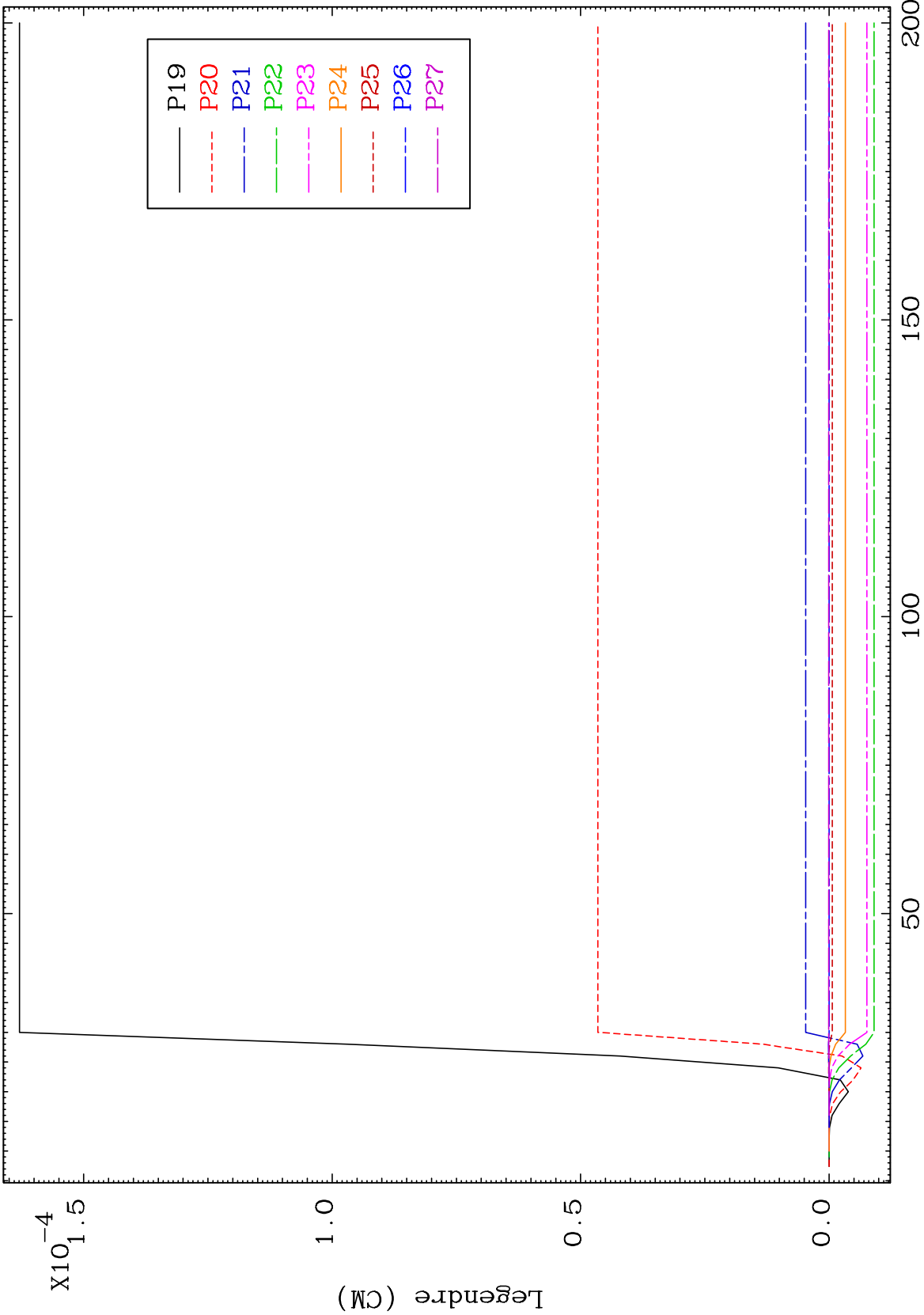








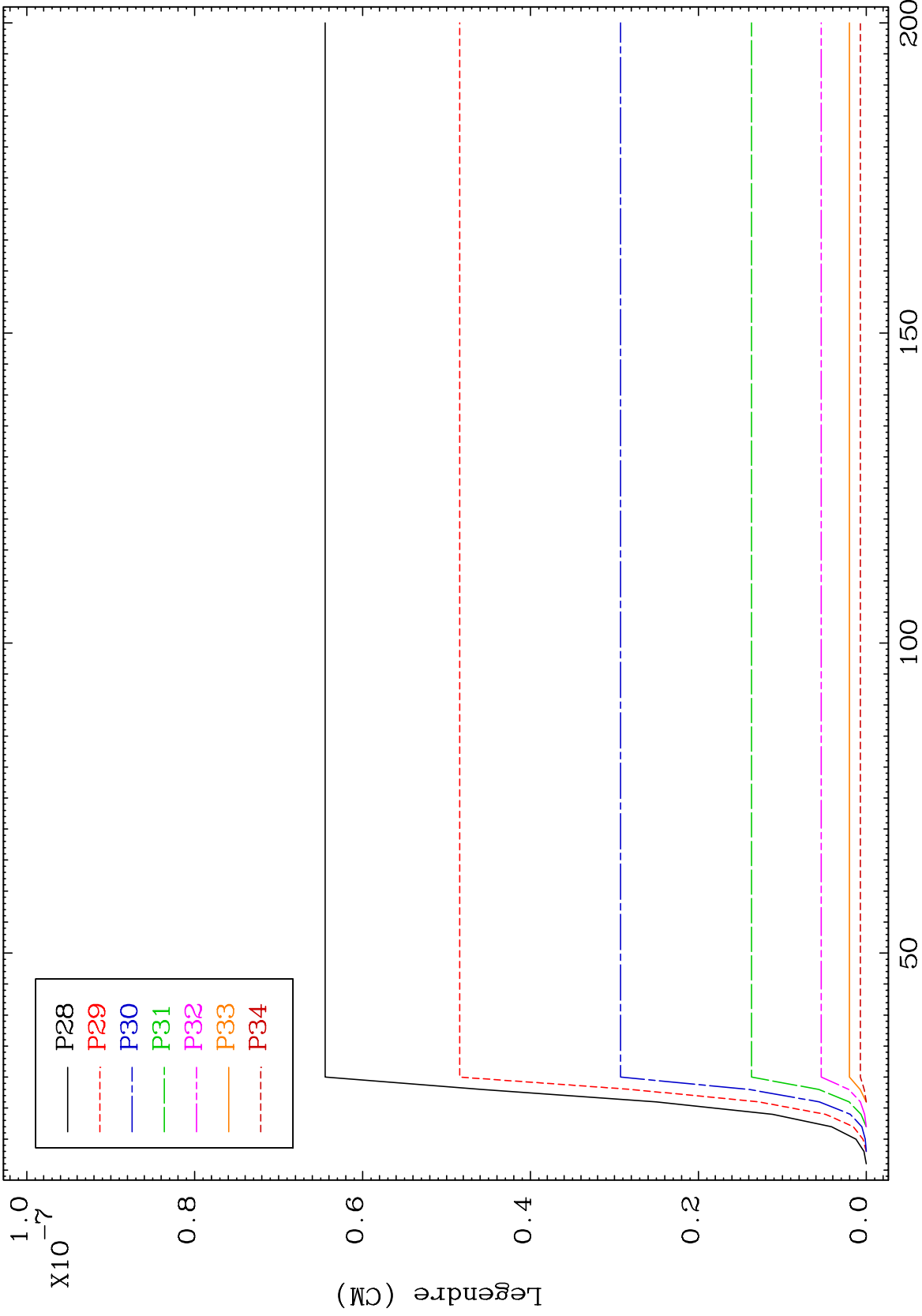




MAT 7080

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

71-Lu-160



67

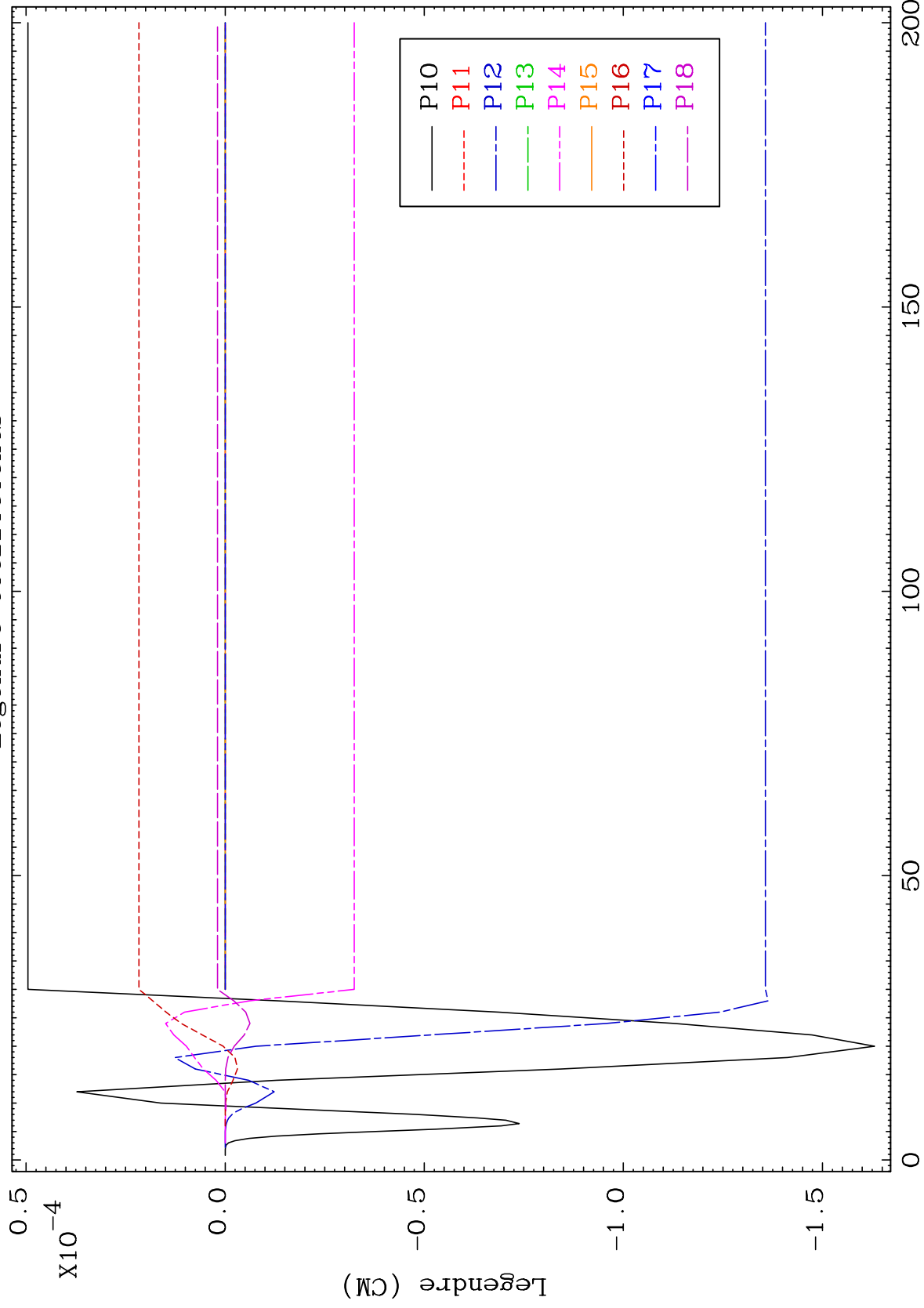
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

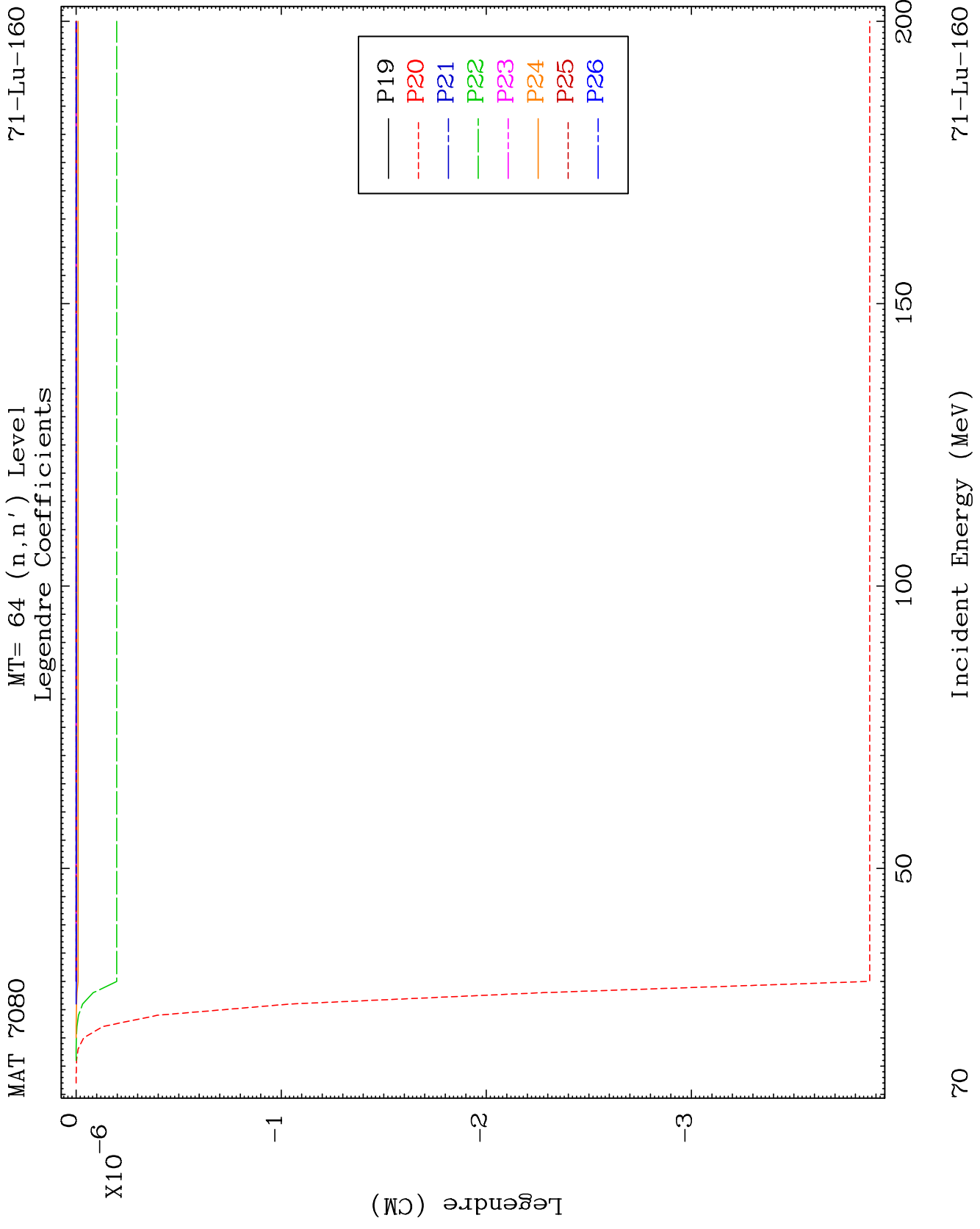
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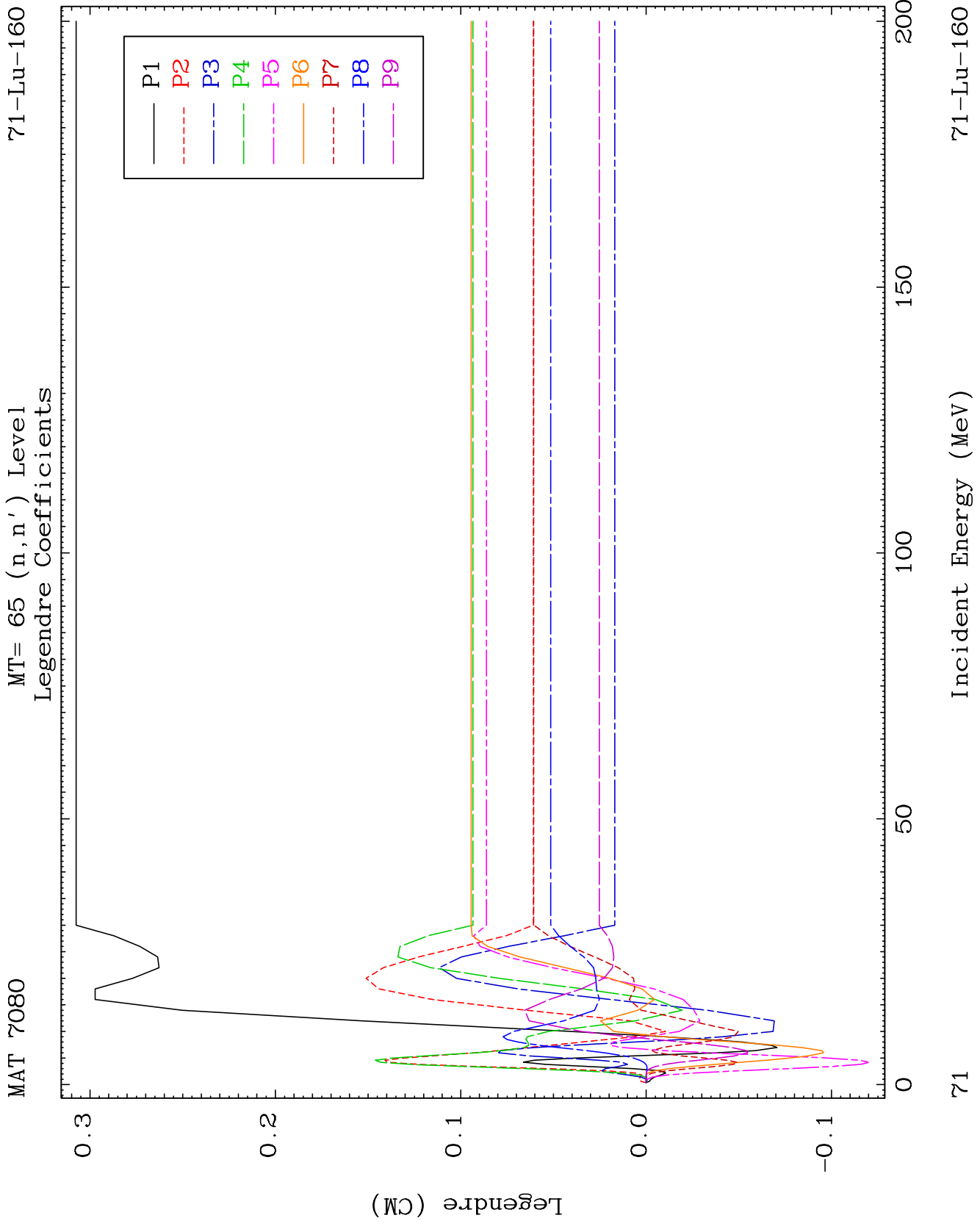


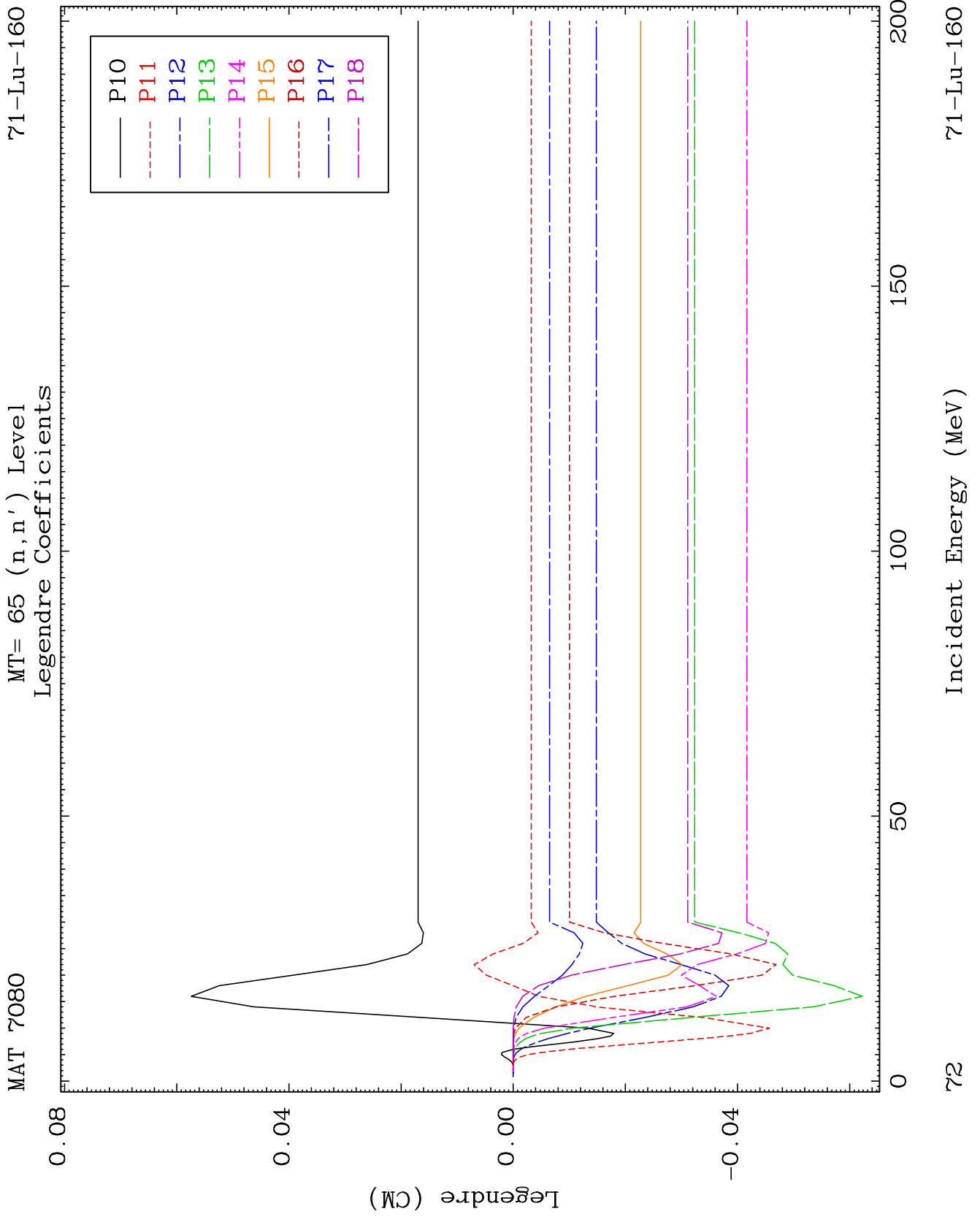
69

Incident Energy (MeV)

71-Lu-160



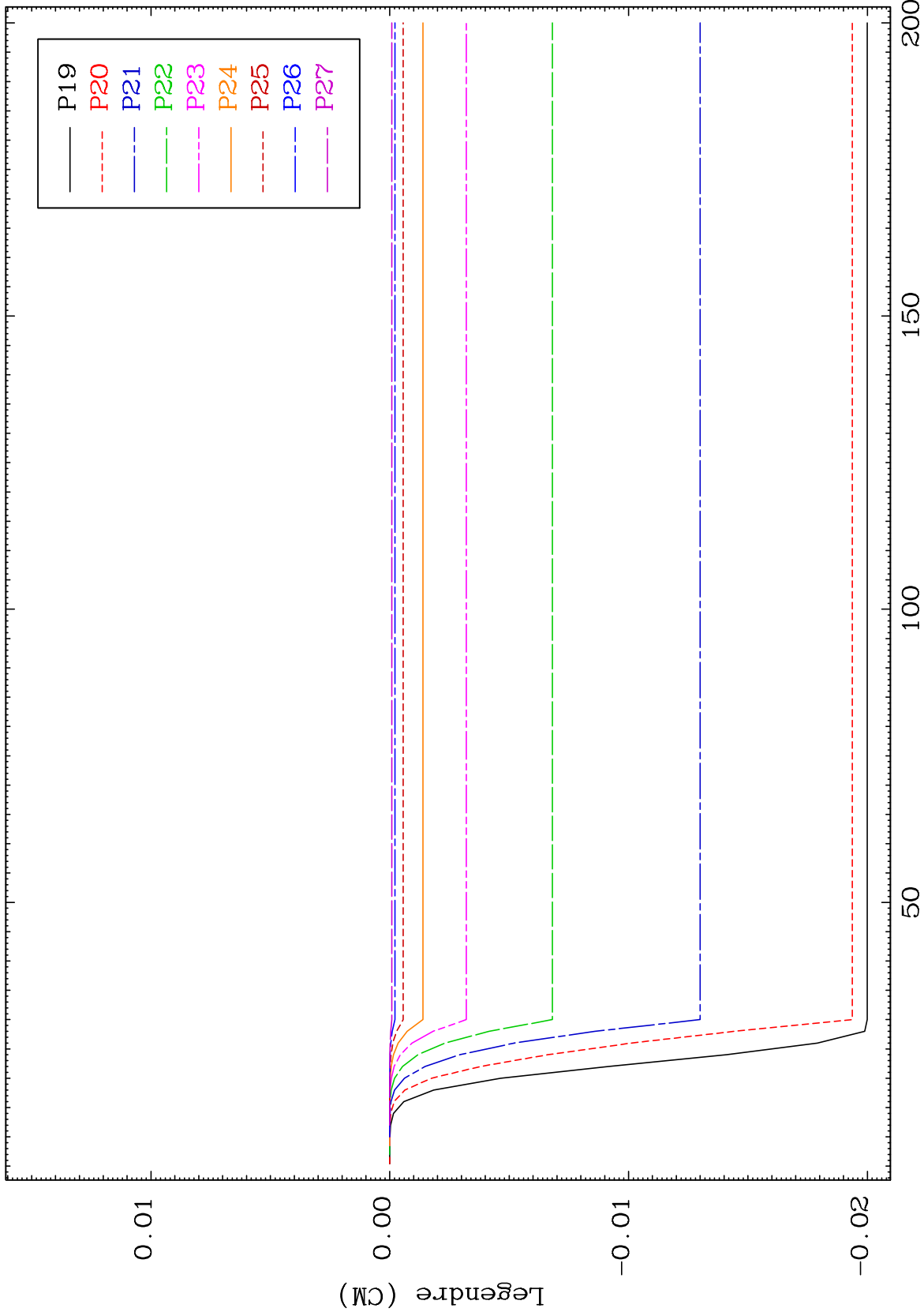




MAT 7080

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

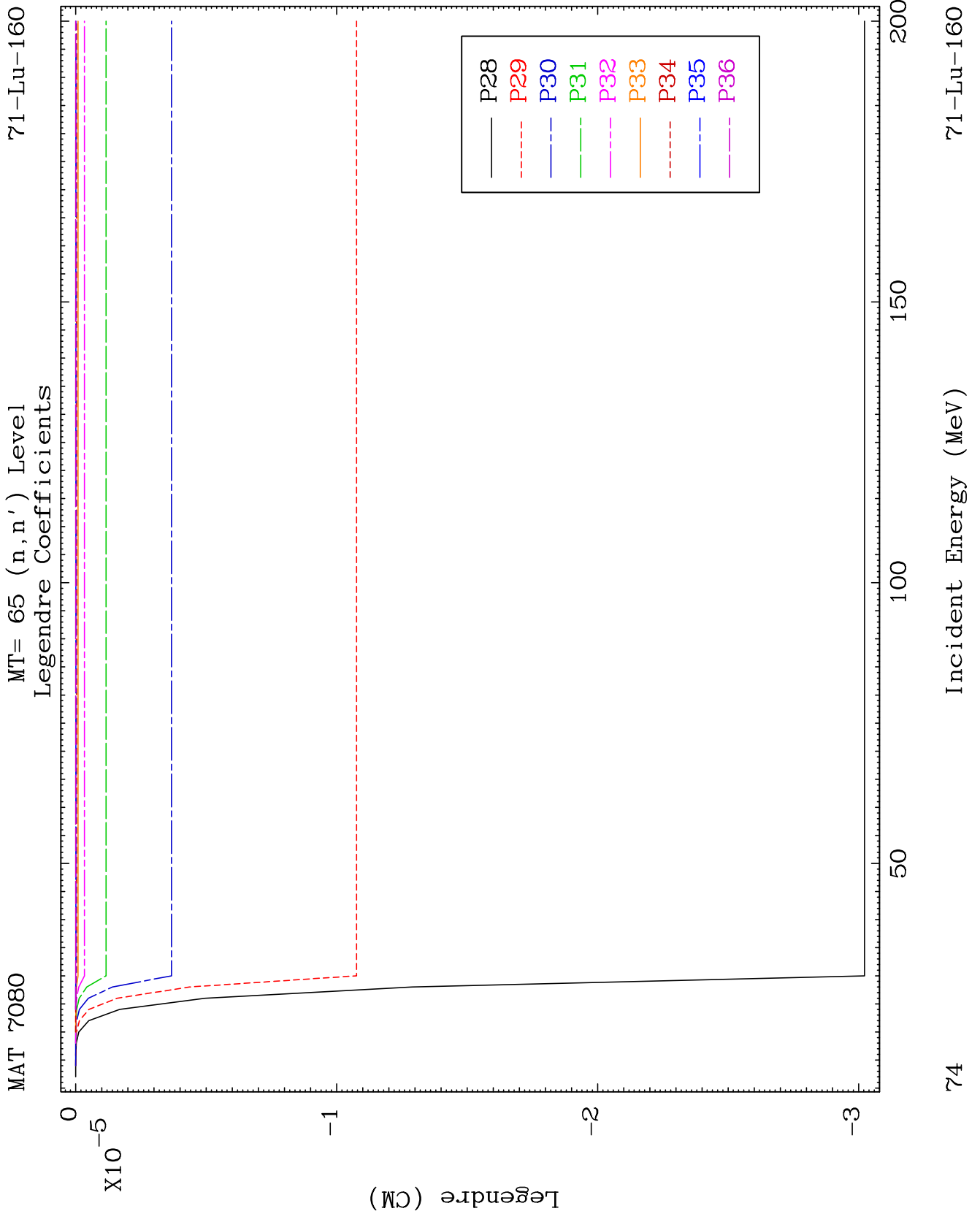
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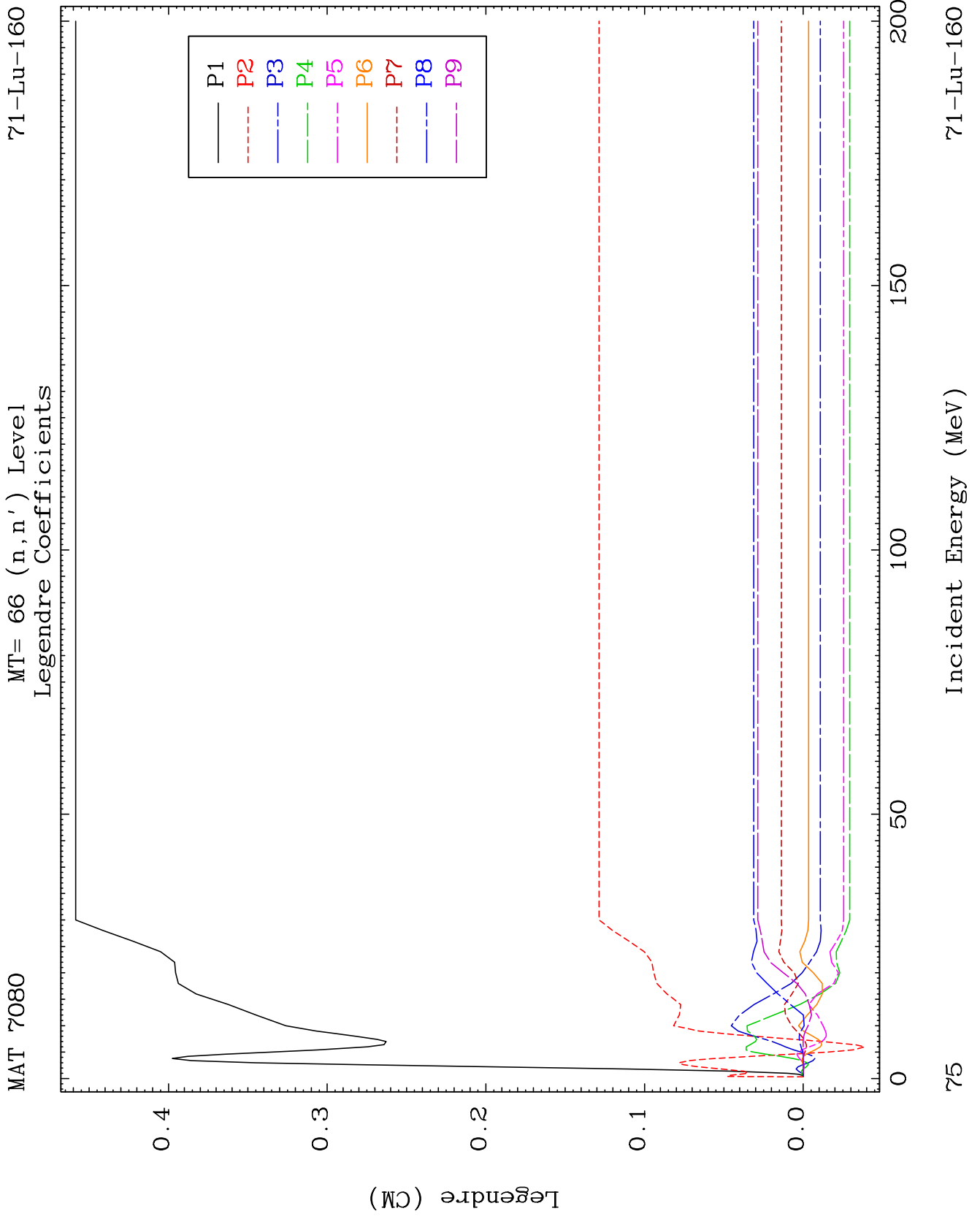


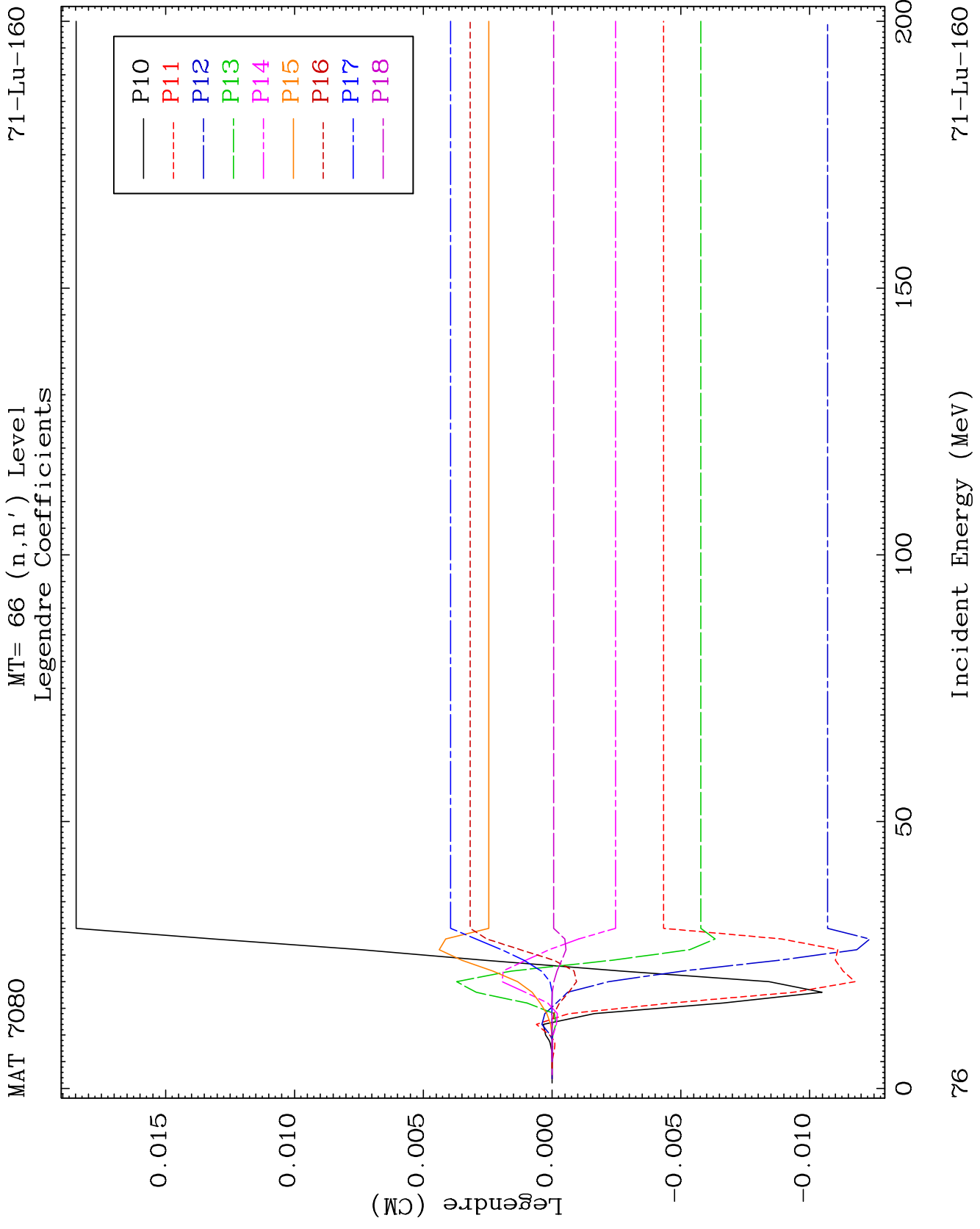
73

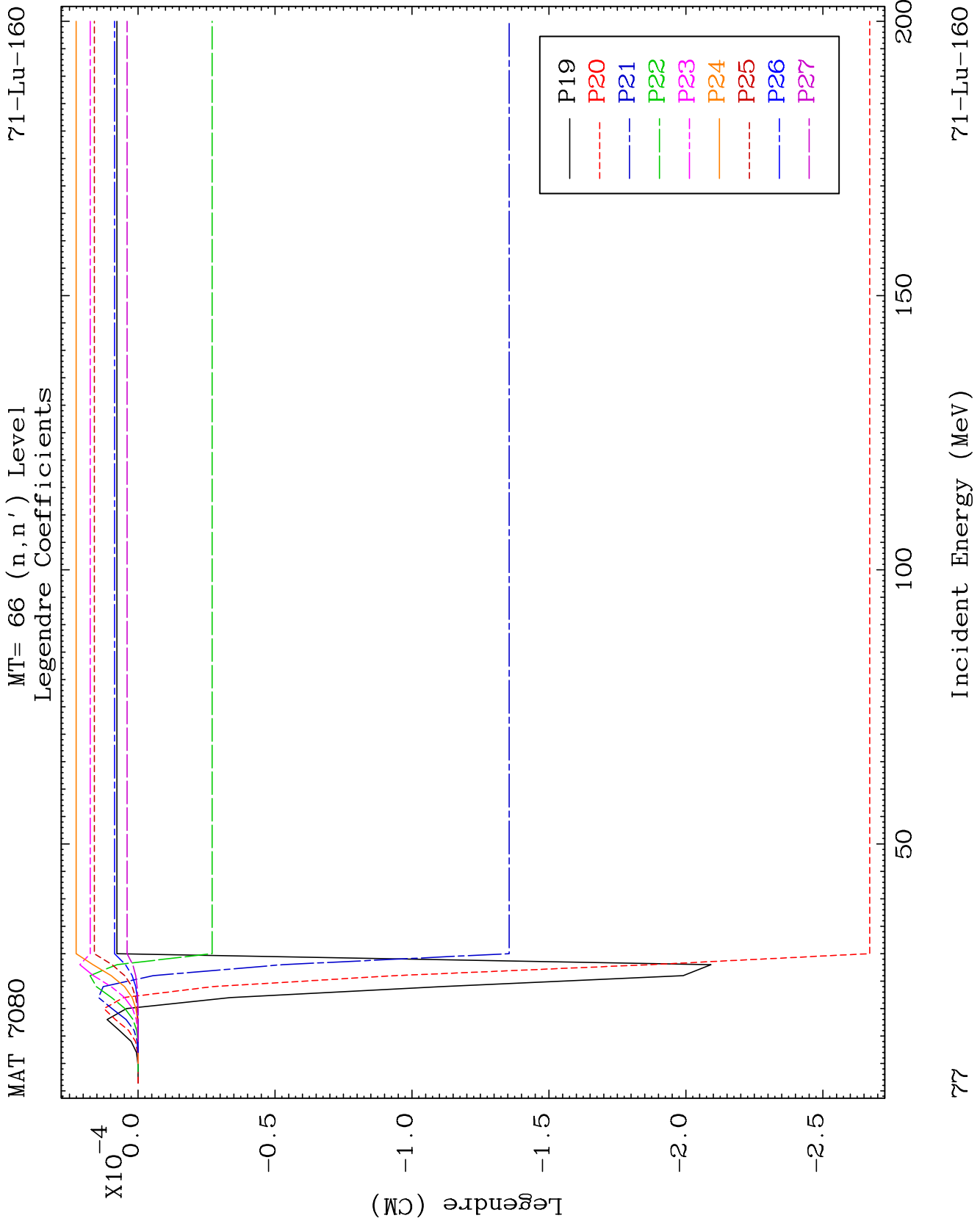
Incident Energy (MeV)

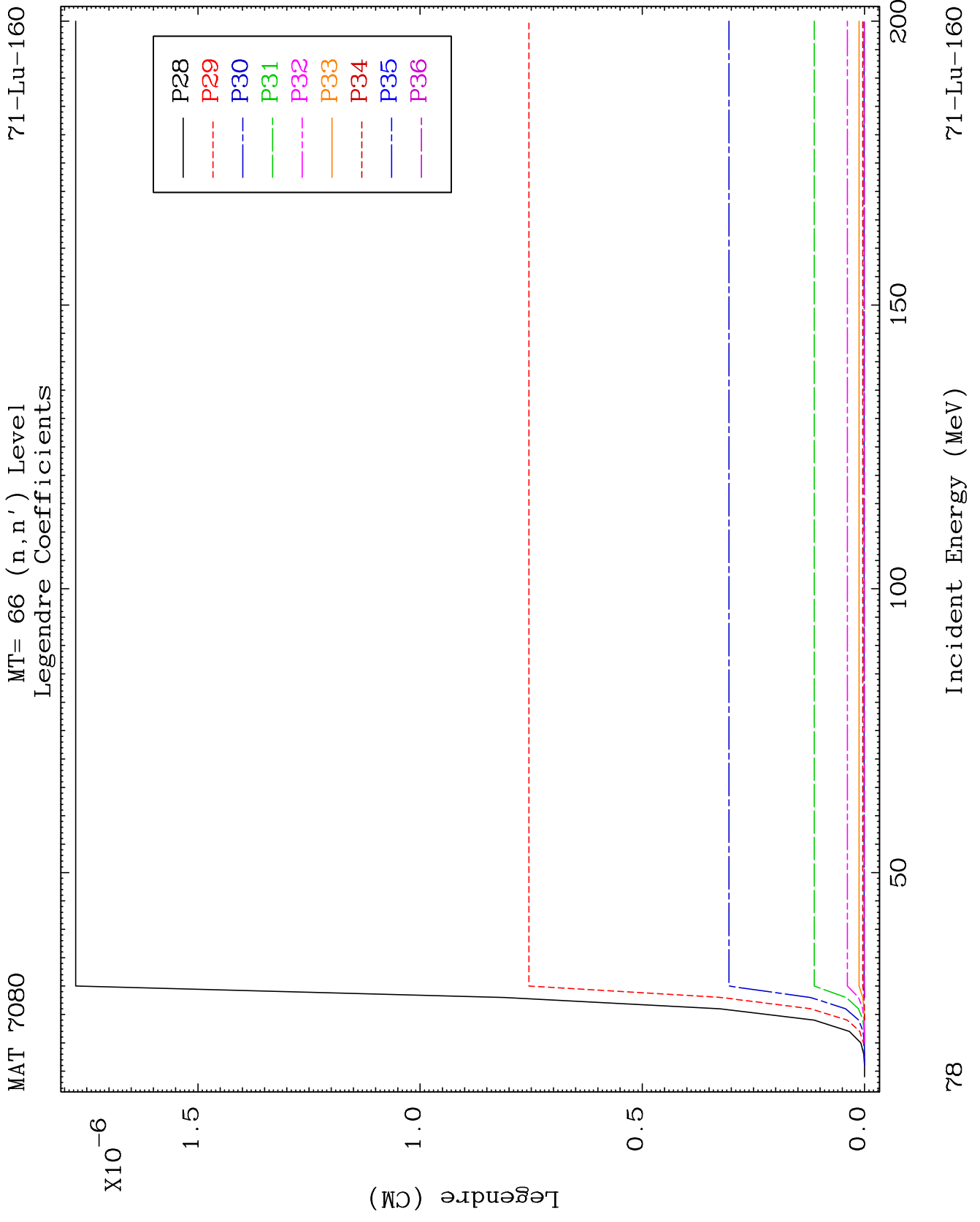
71-Lu-160







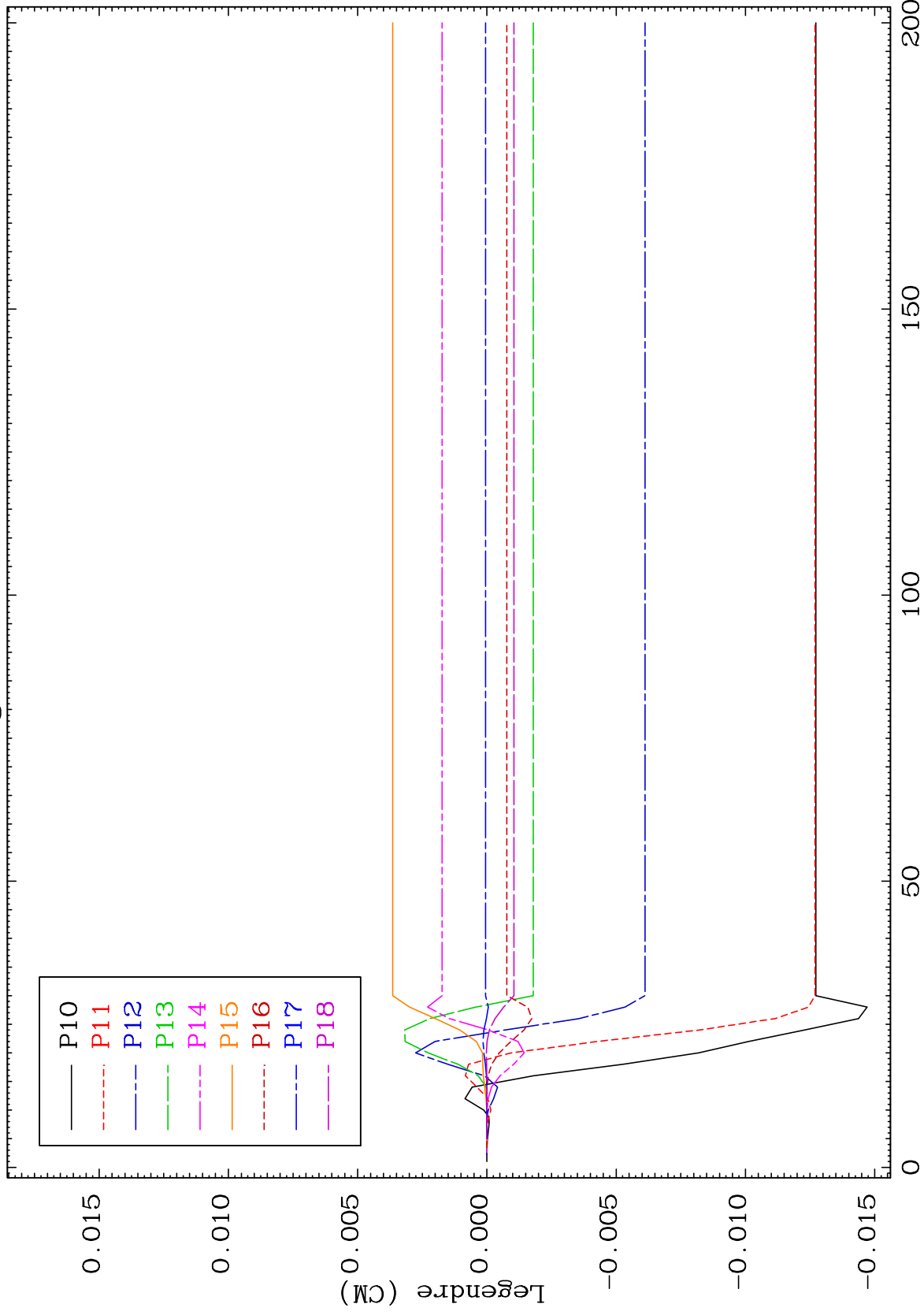




MAT 7080

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

71-Lu-160



80

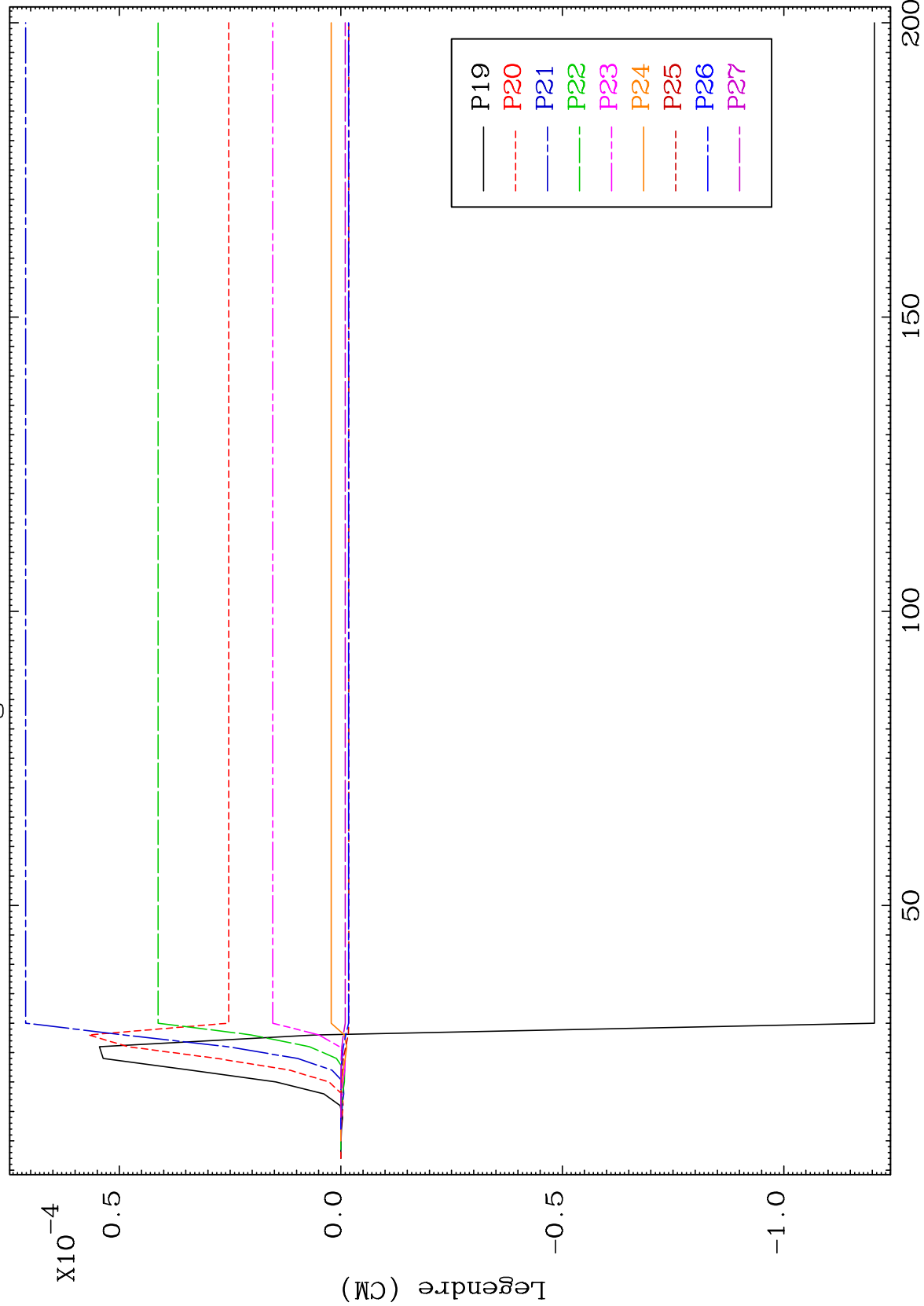
Incident Energy (MeV)

71-Lu-160

MAT 7080

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

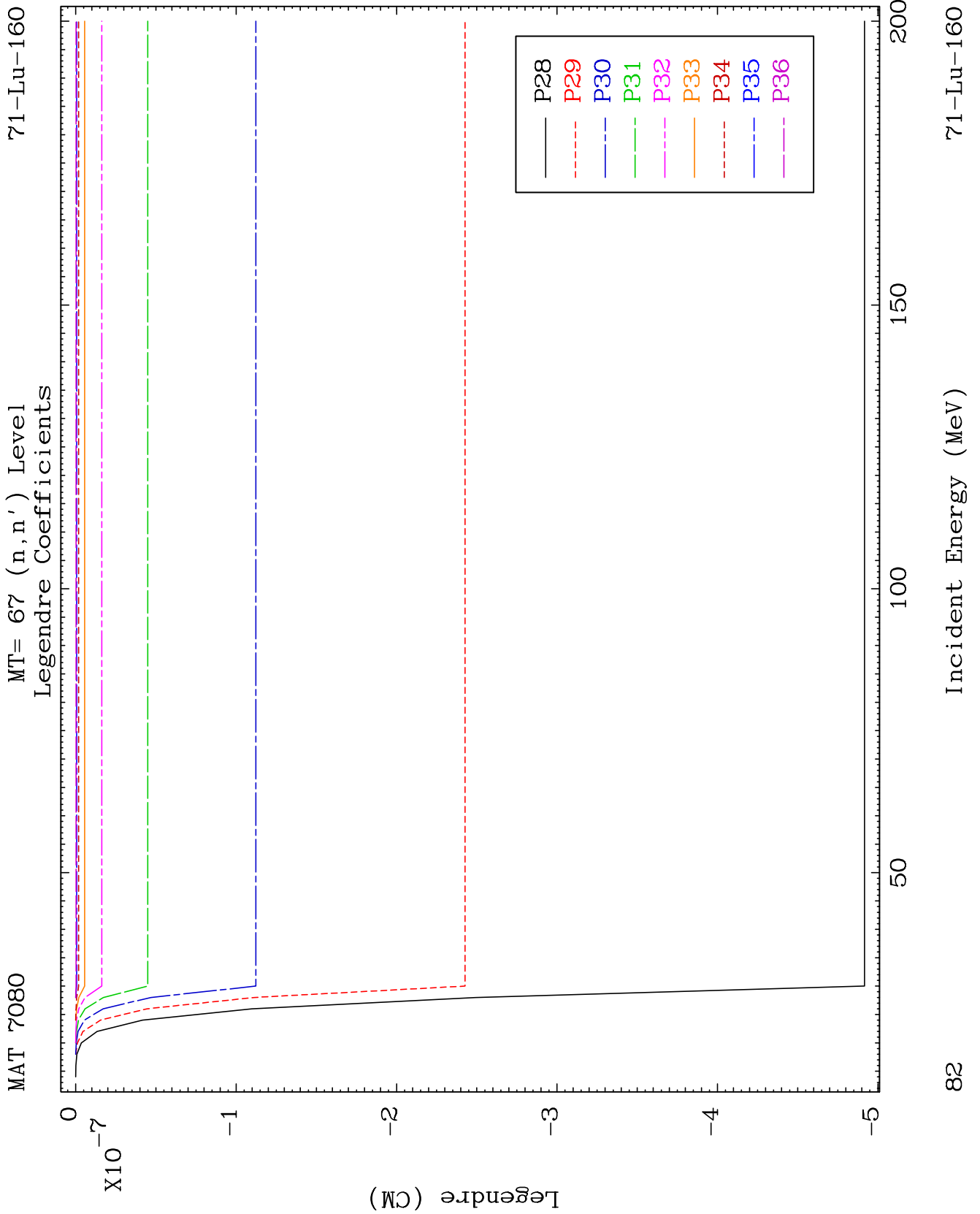
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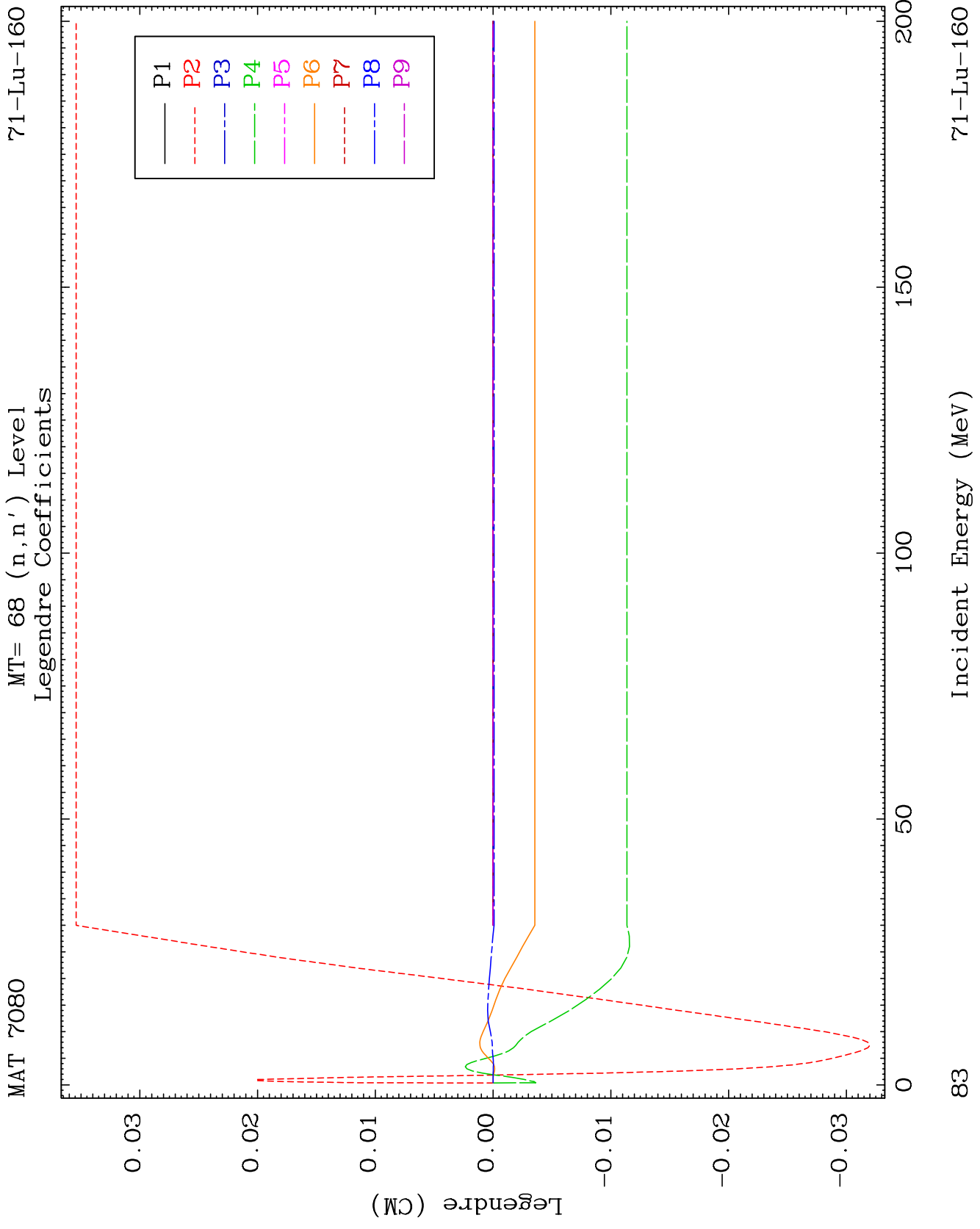


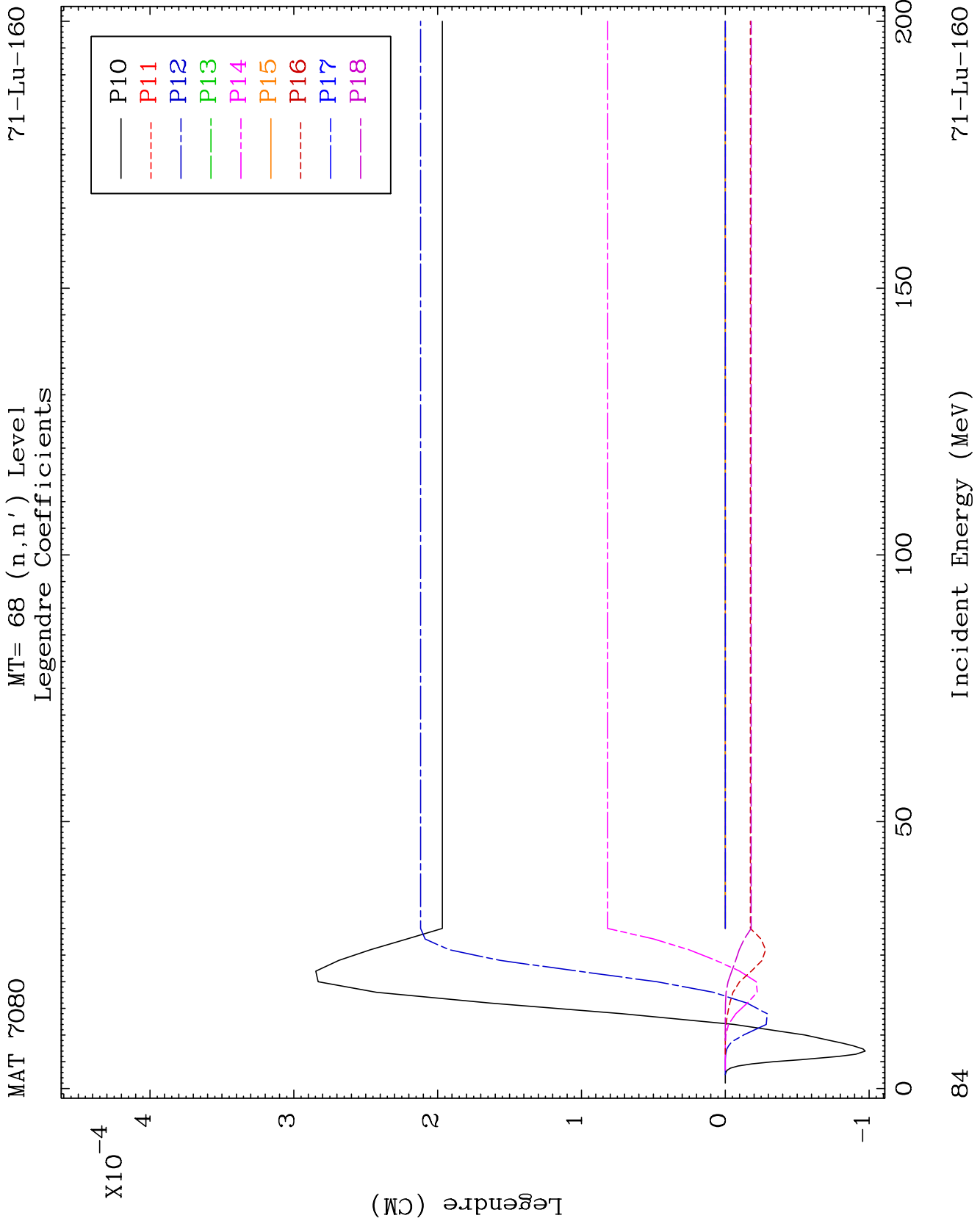
81

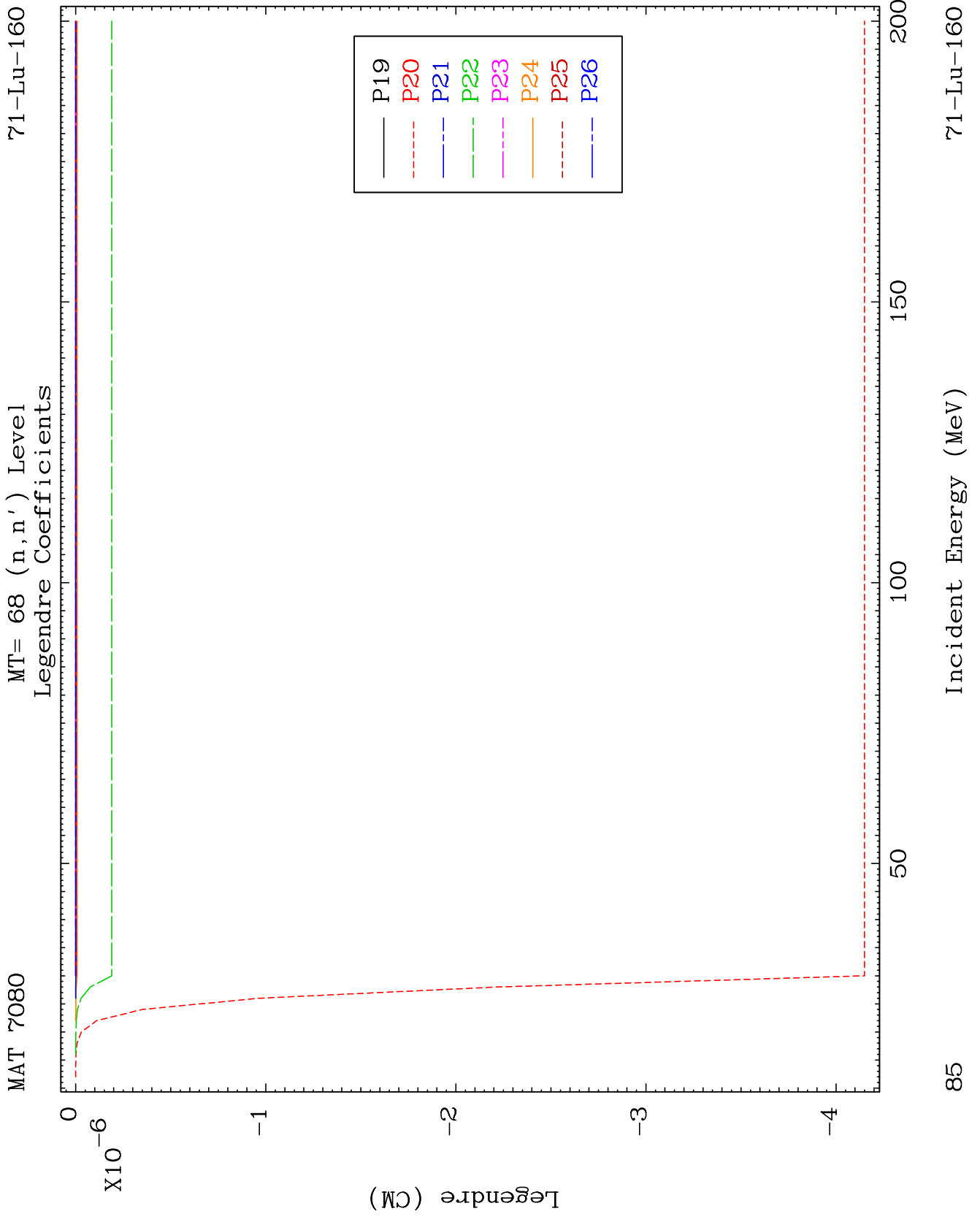
Incident Energy (MeV)

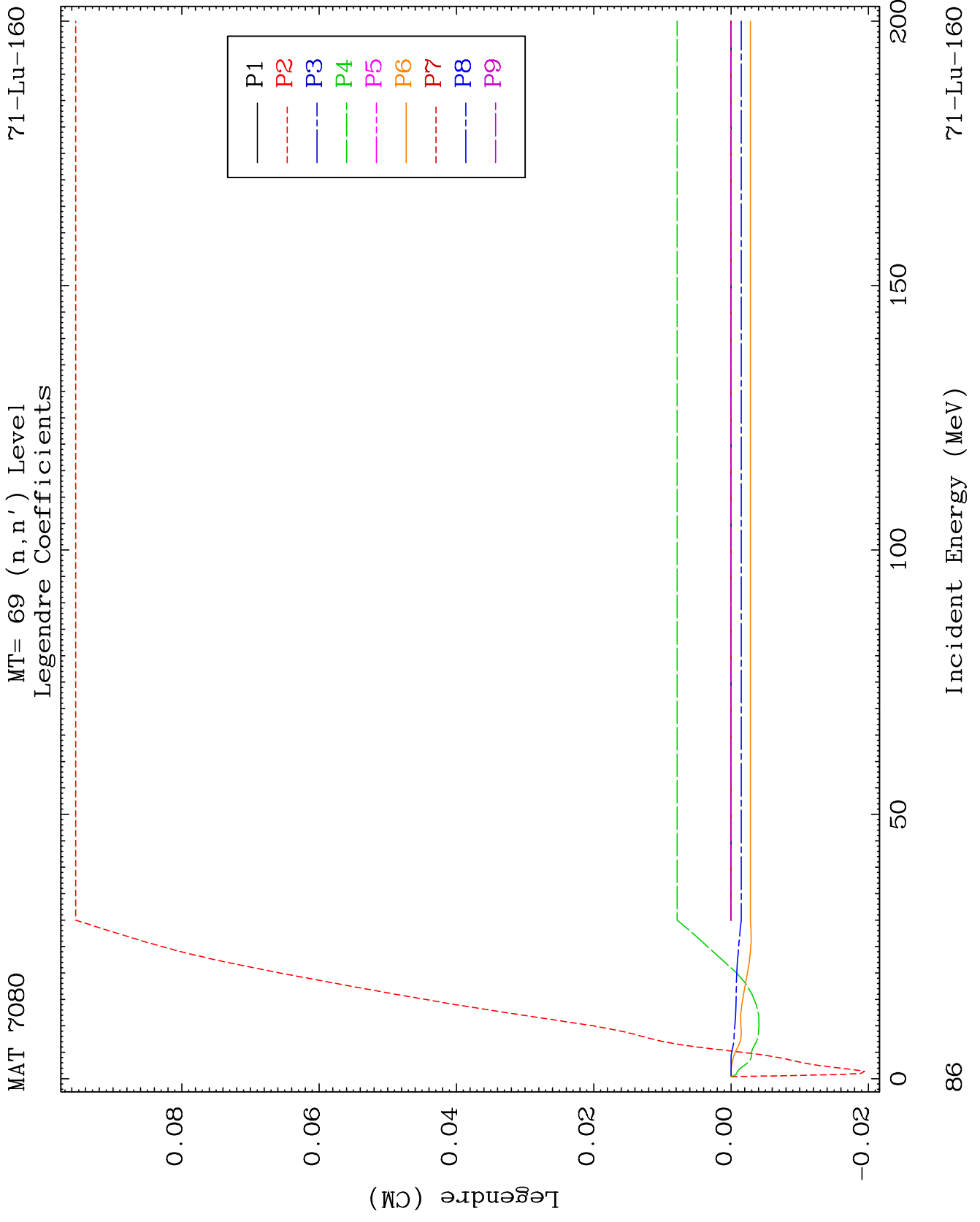
71-Lu-160







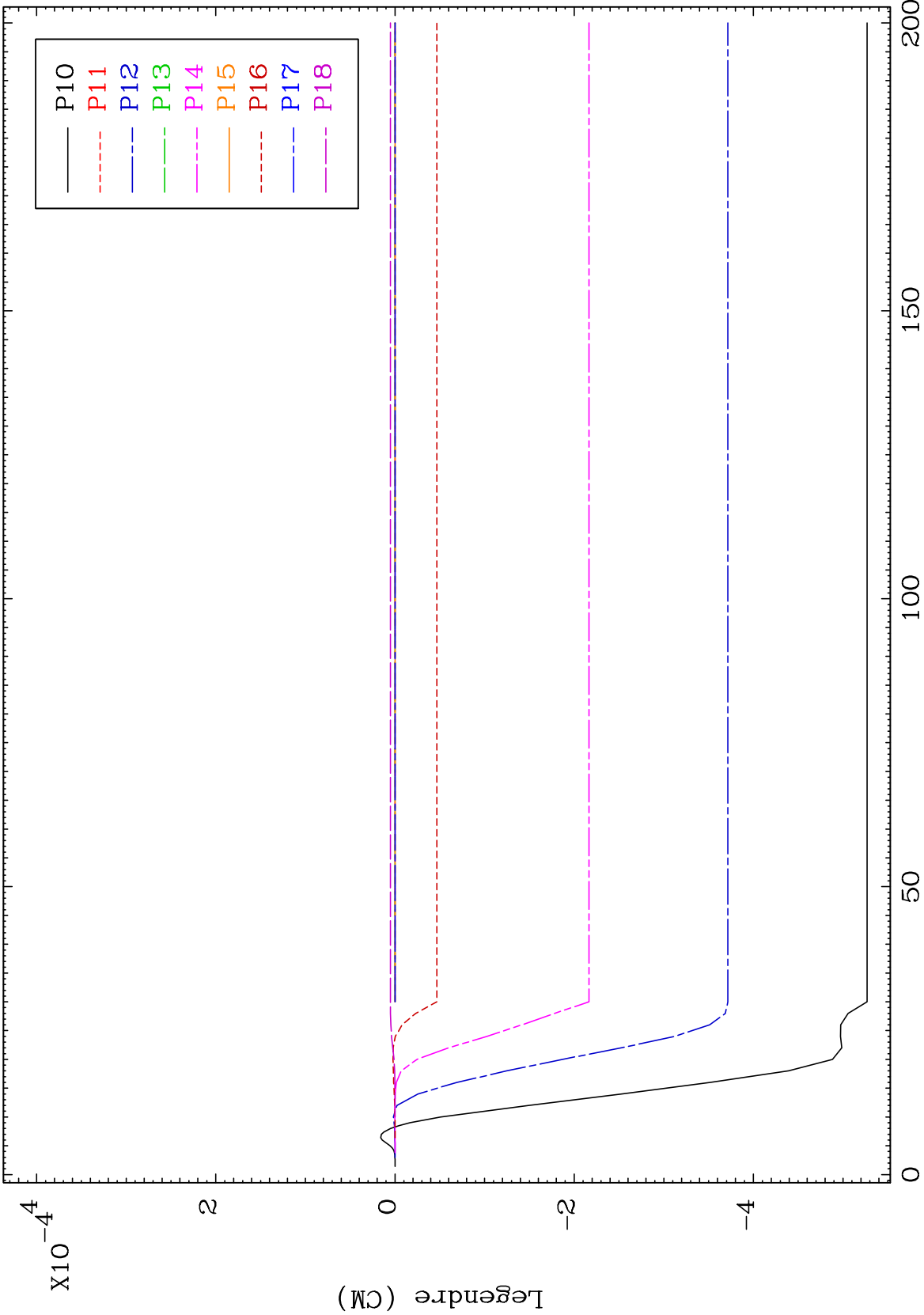




MAT 7080

MT= 69 (n,n') Level
Legendre Coefficients

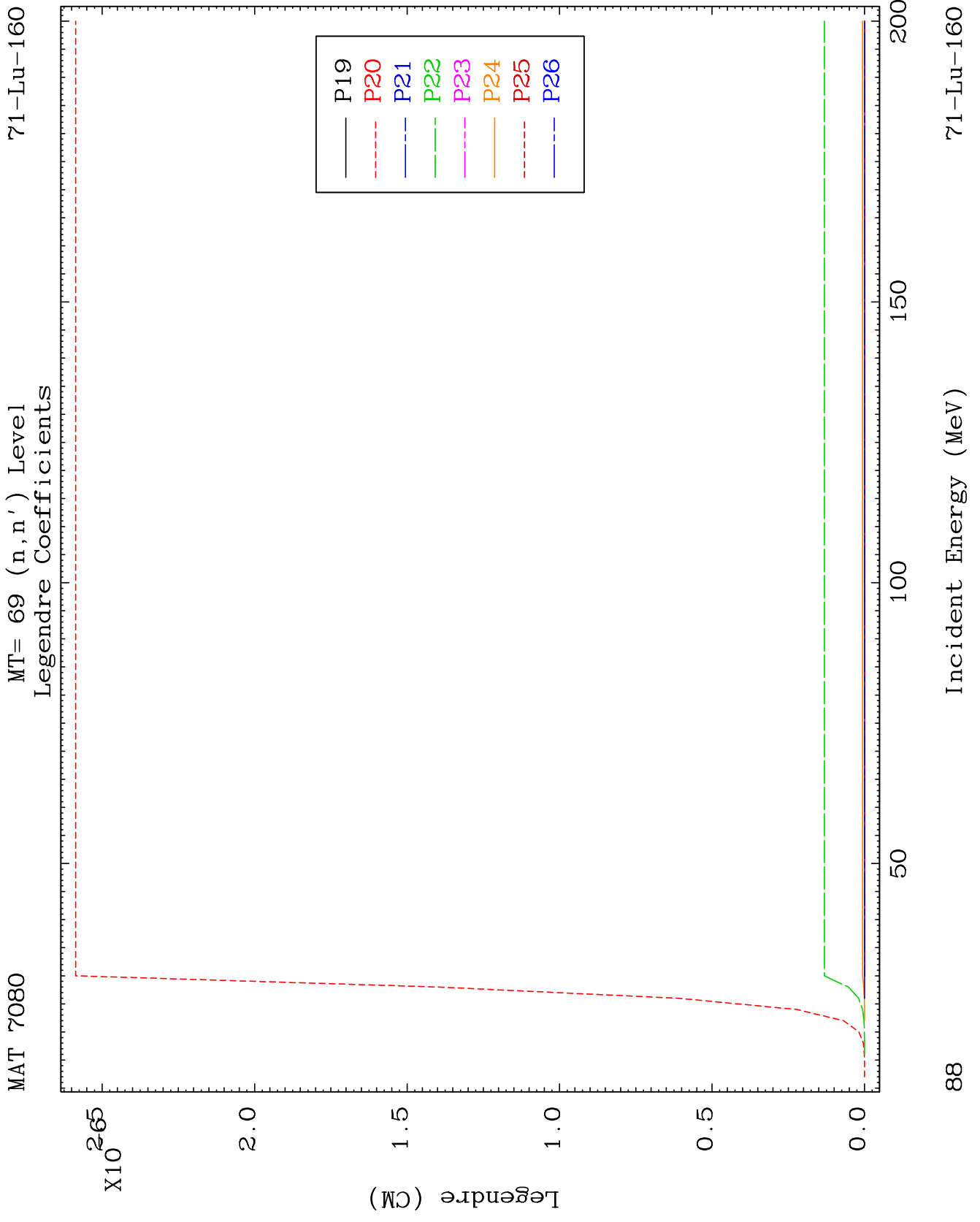
71-Lu-160

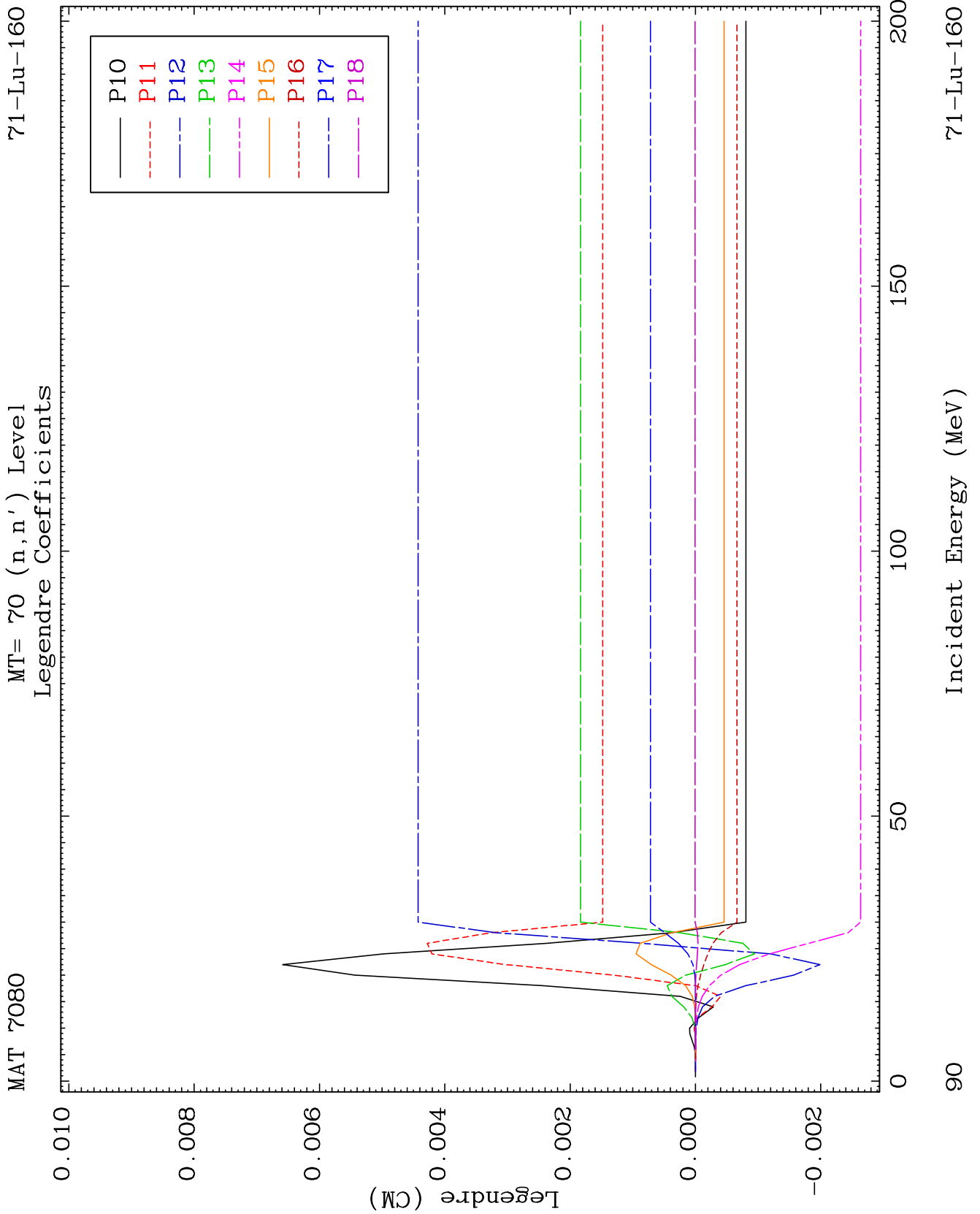


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Incident Energy (MeV)

71-Lu-160

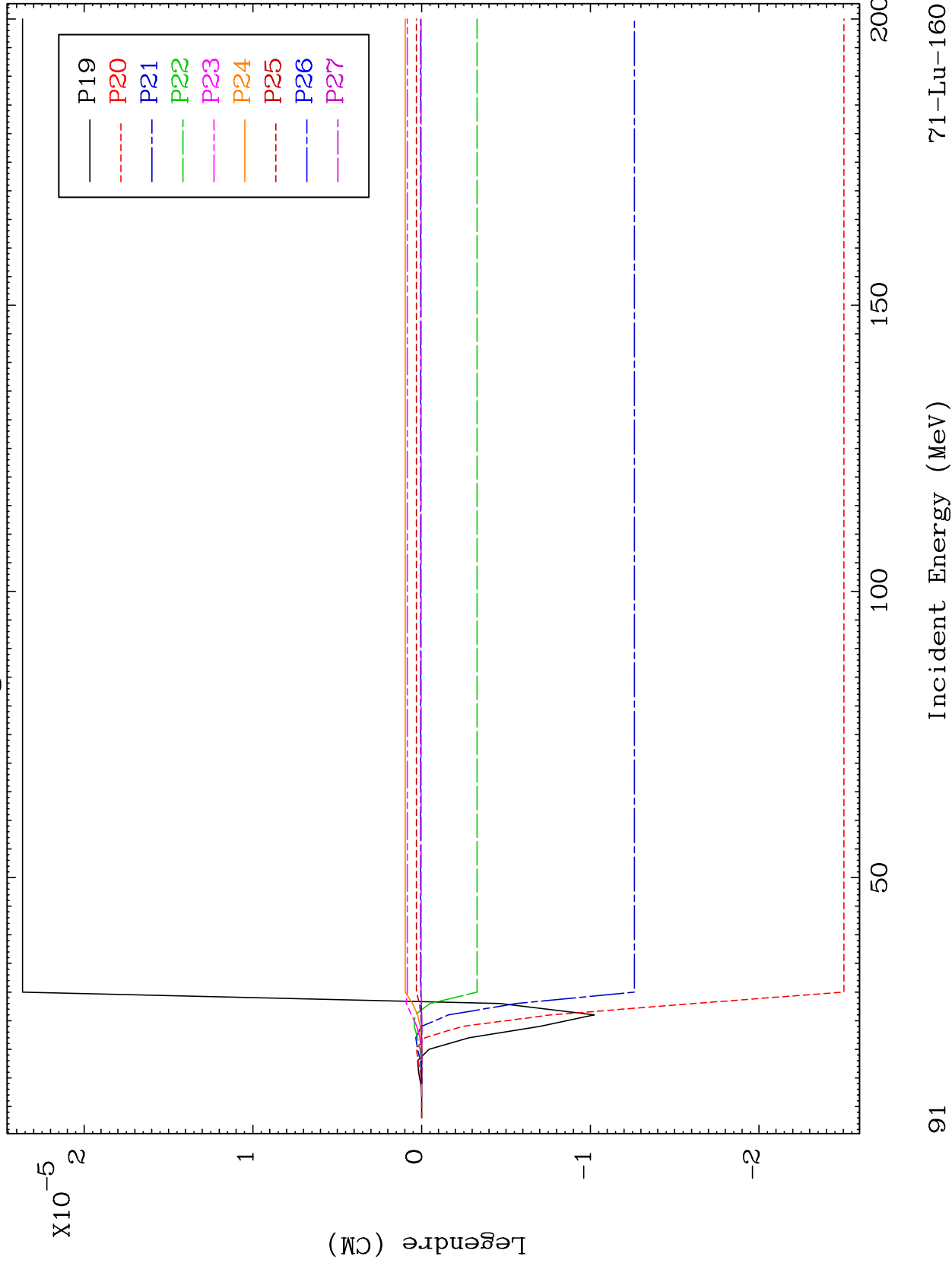


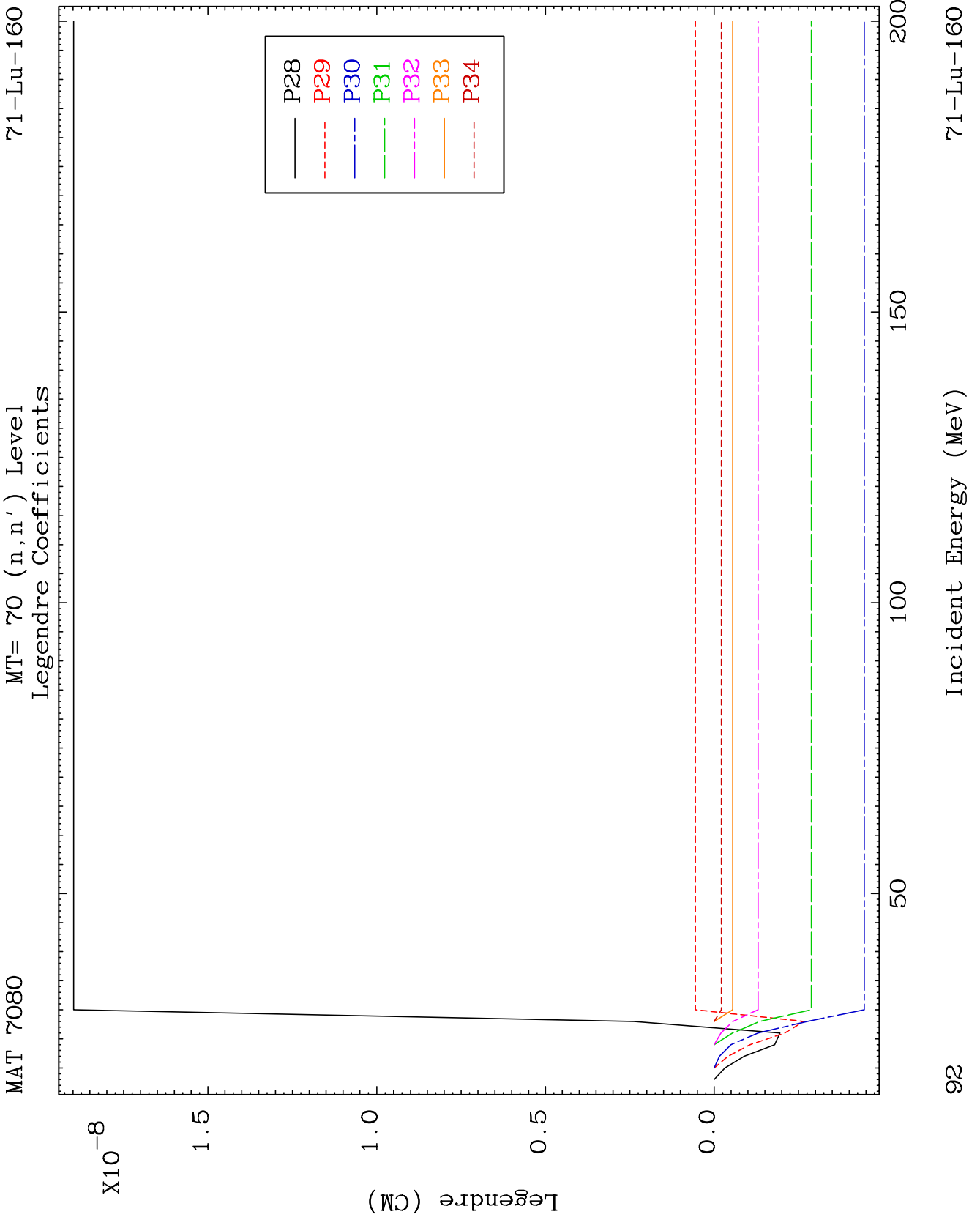


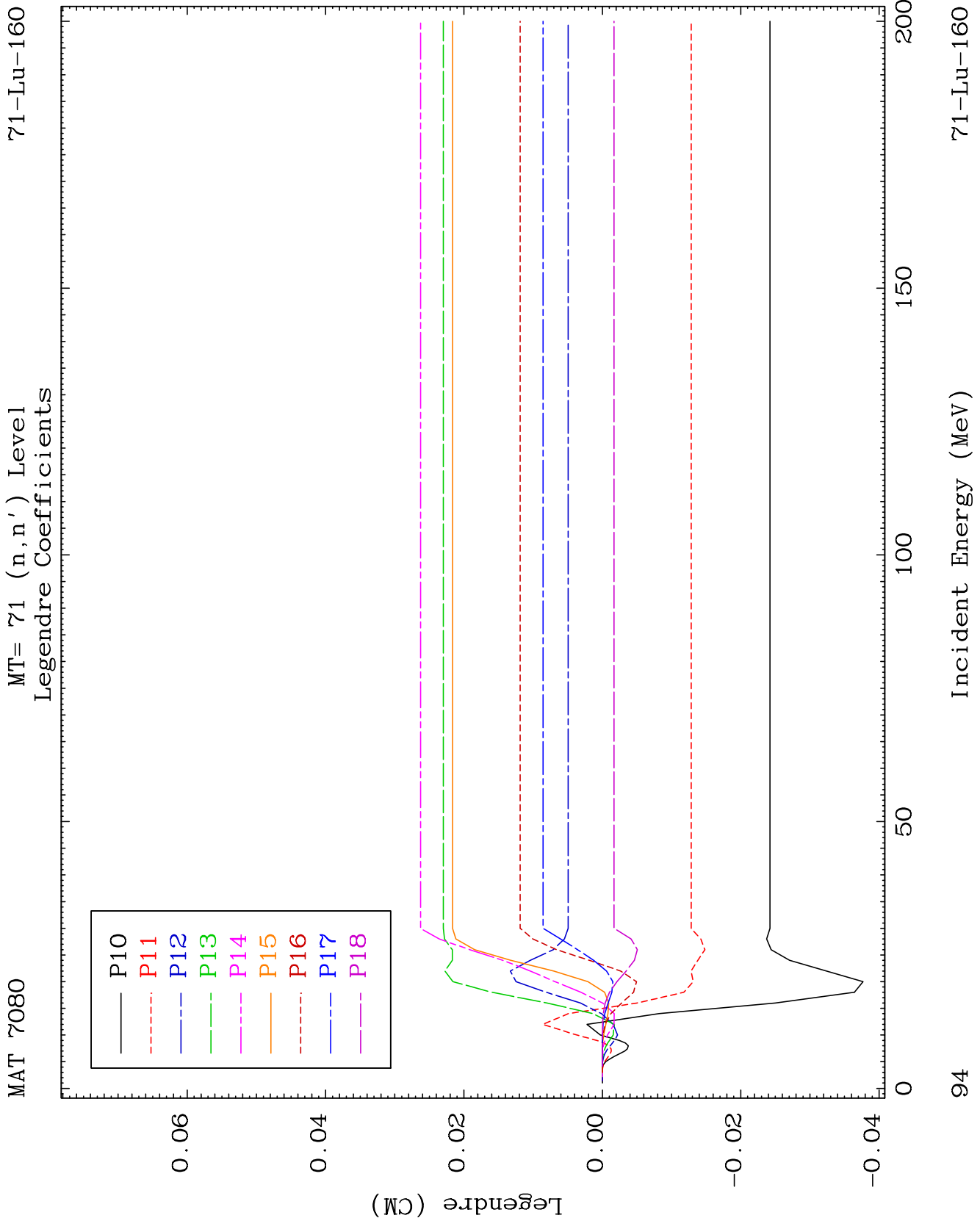
MAT 7080

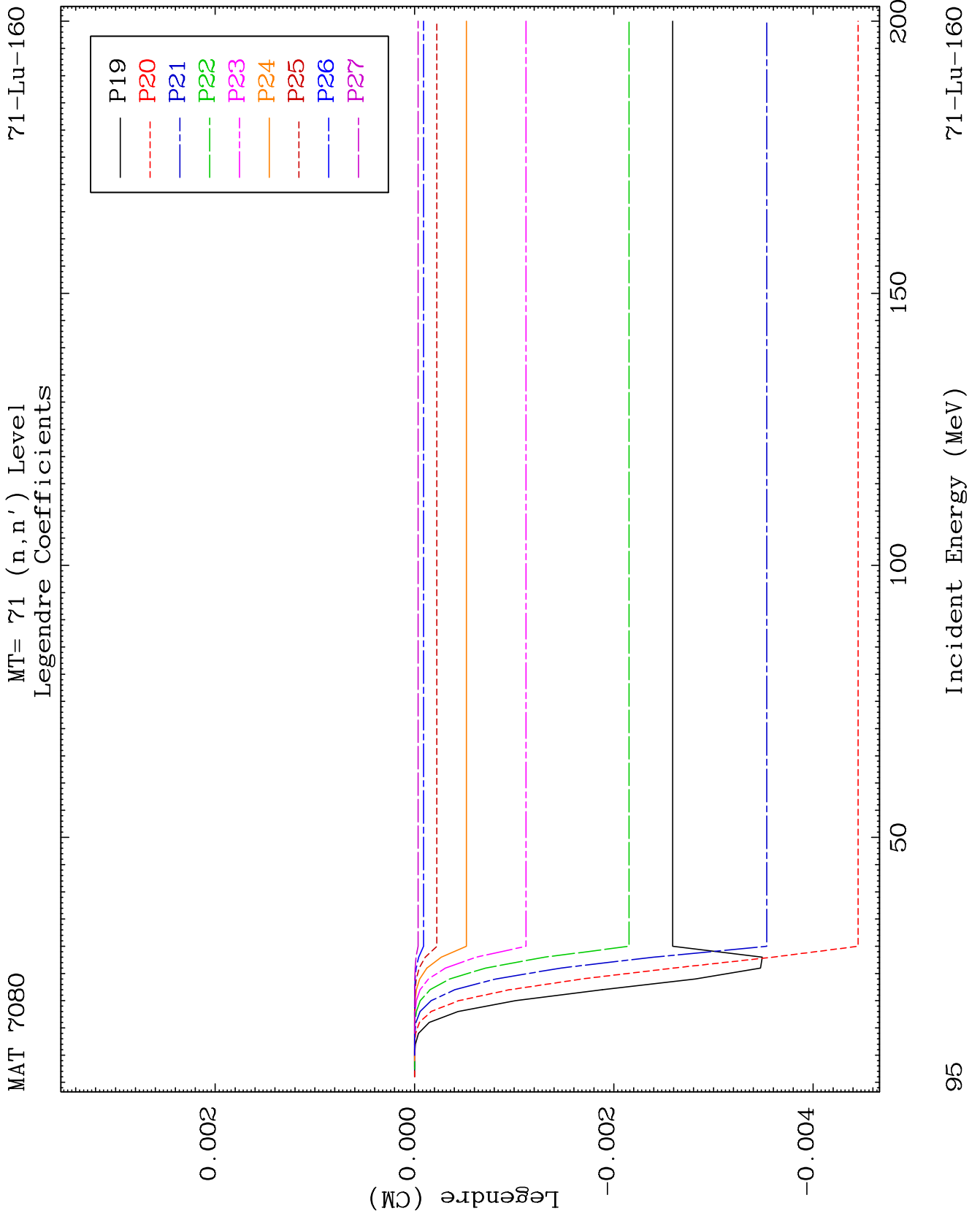
MT= 70 (n,n') Level
Legendre Coefficients

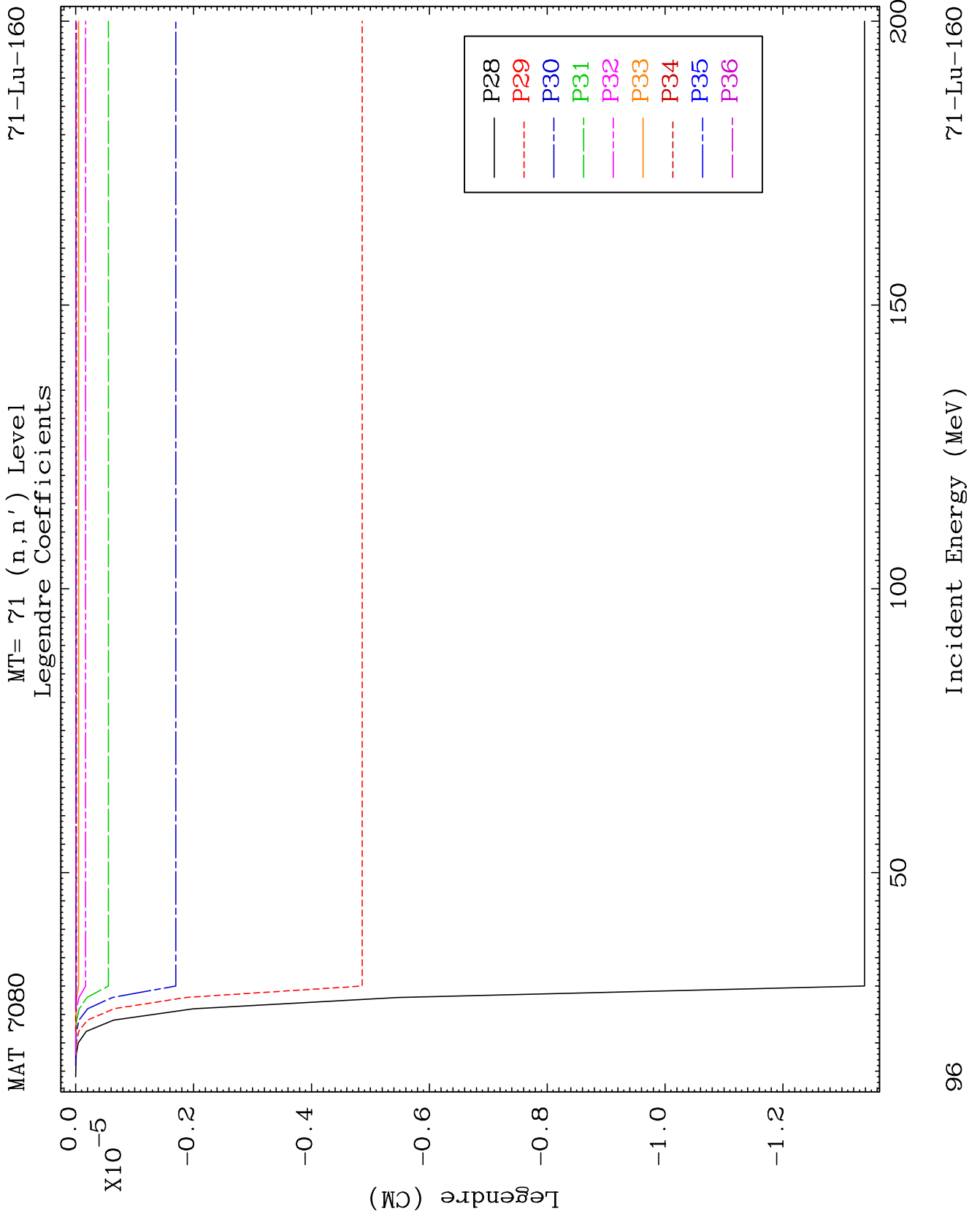
71-Lu-160







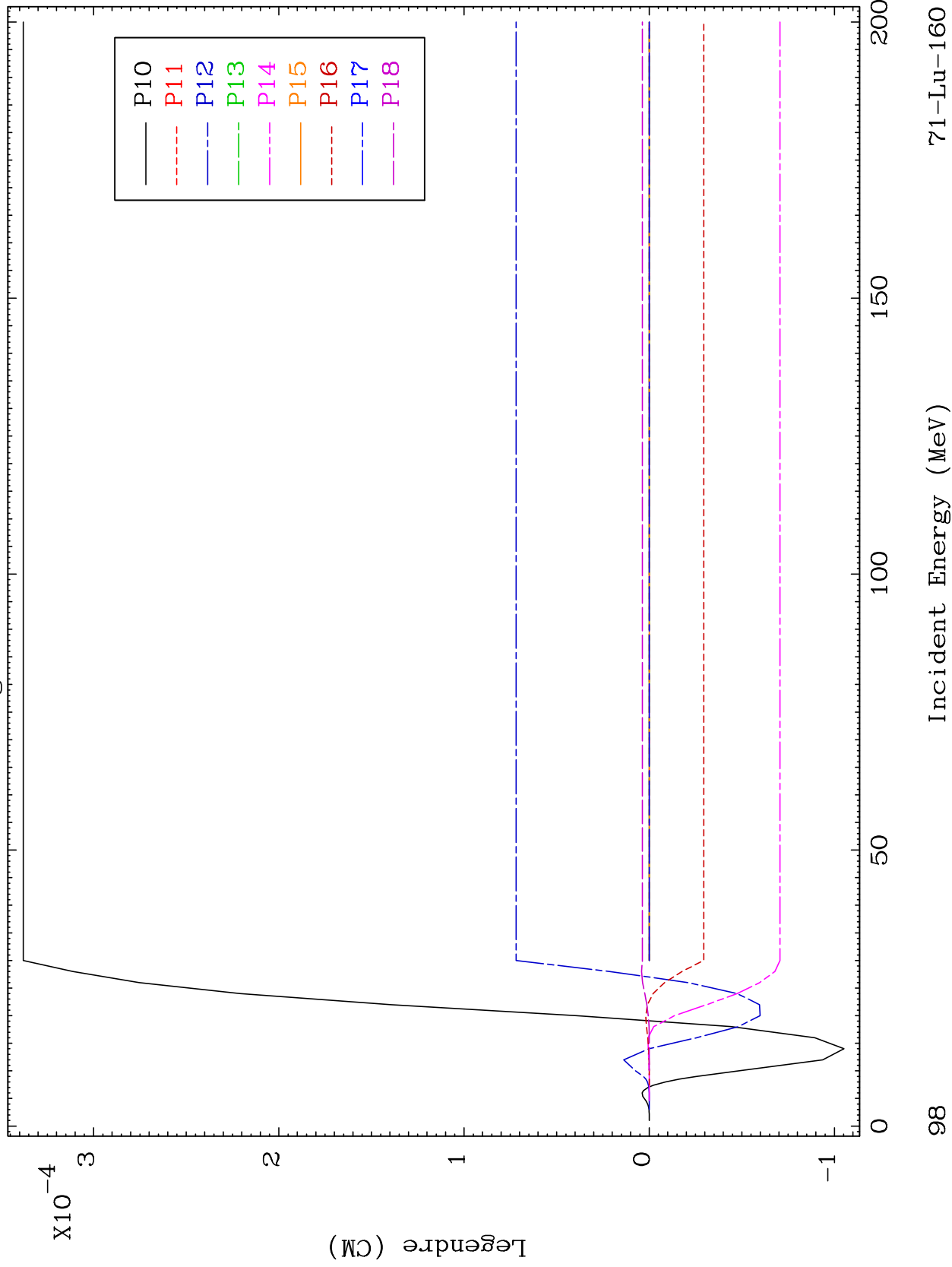




MAT 7080

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

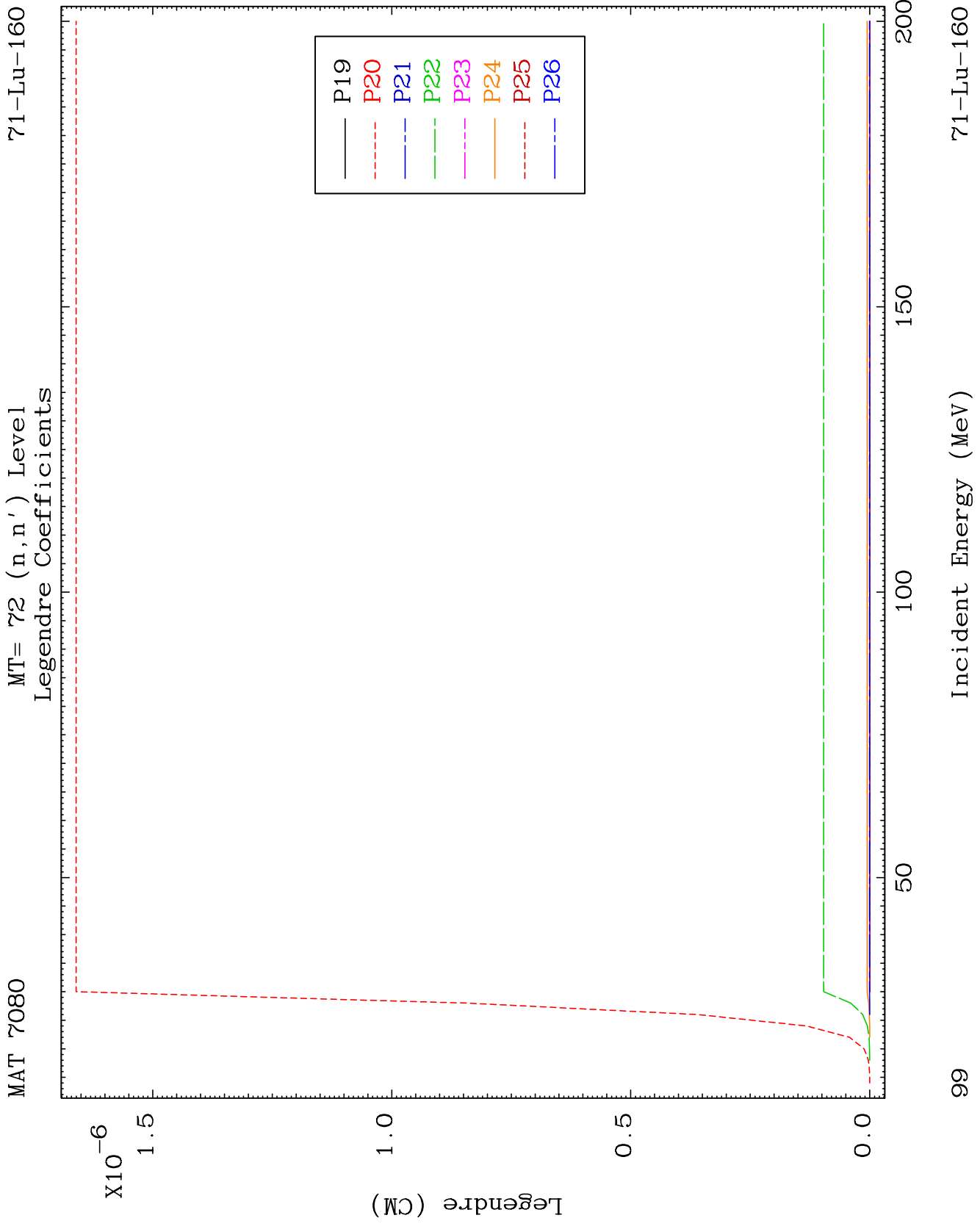
71-Lu-160

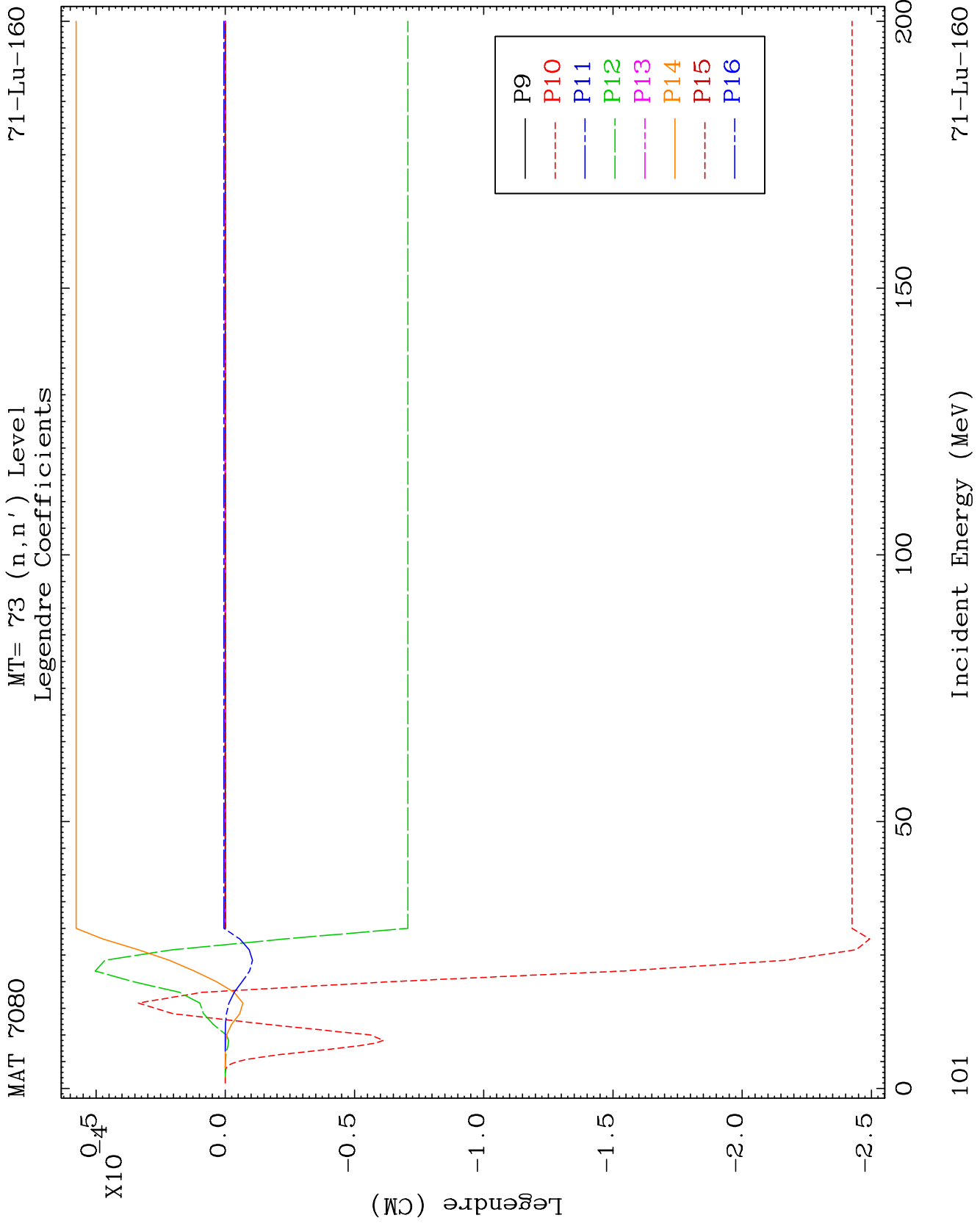


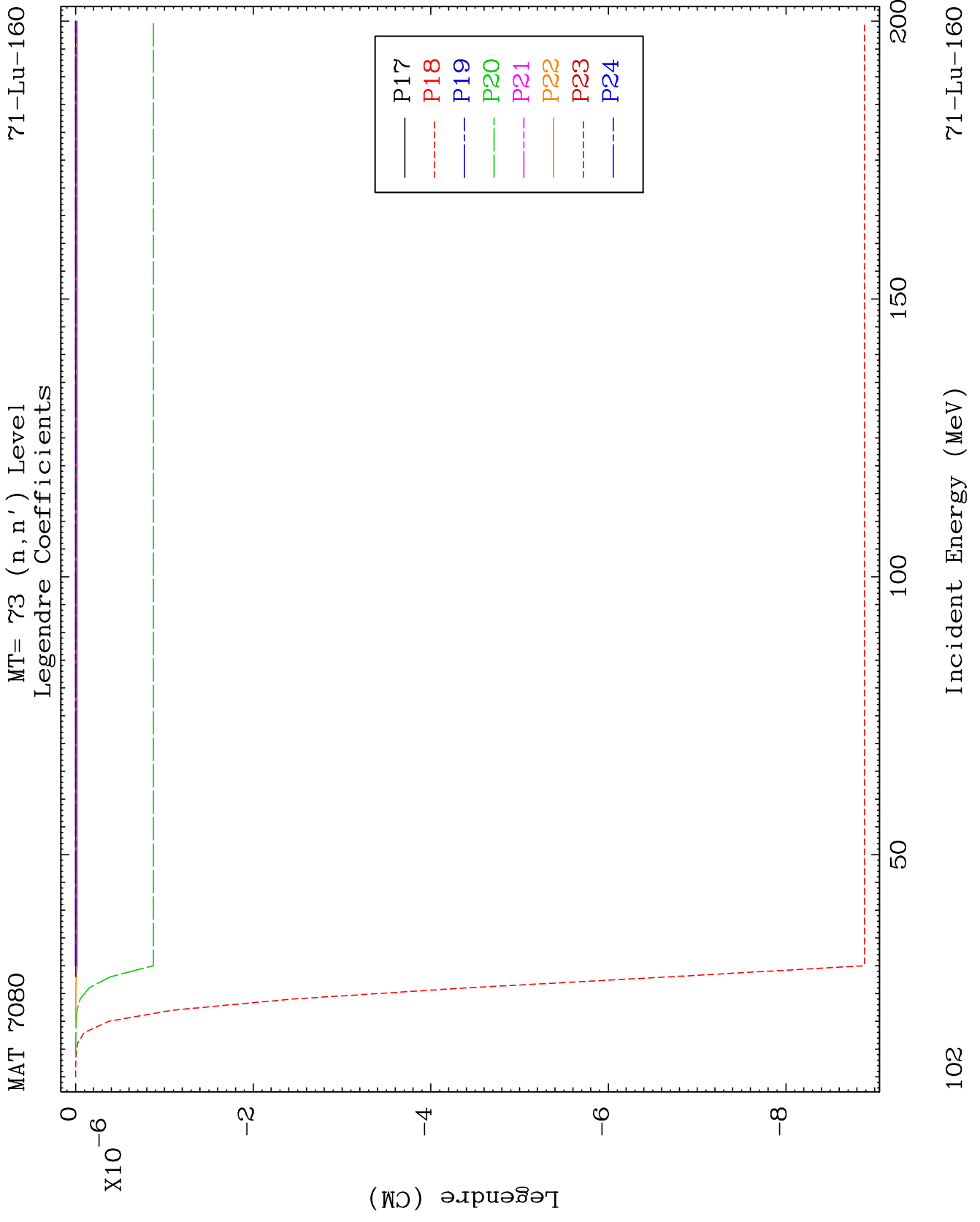
71-Lu-160

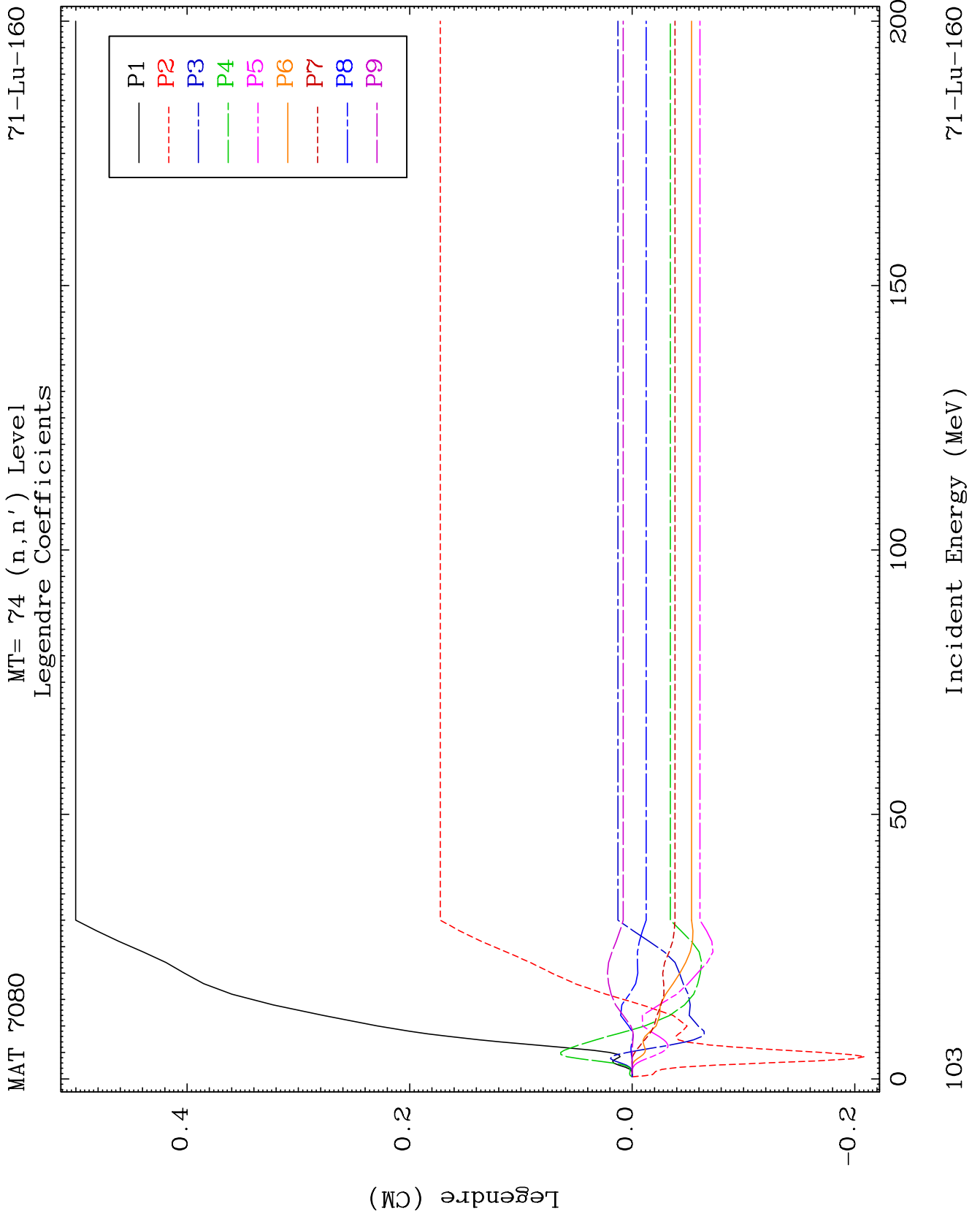
Incident Energy (MeV)

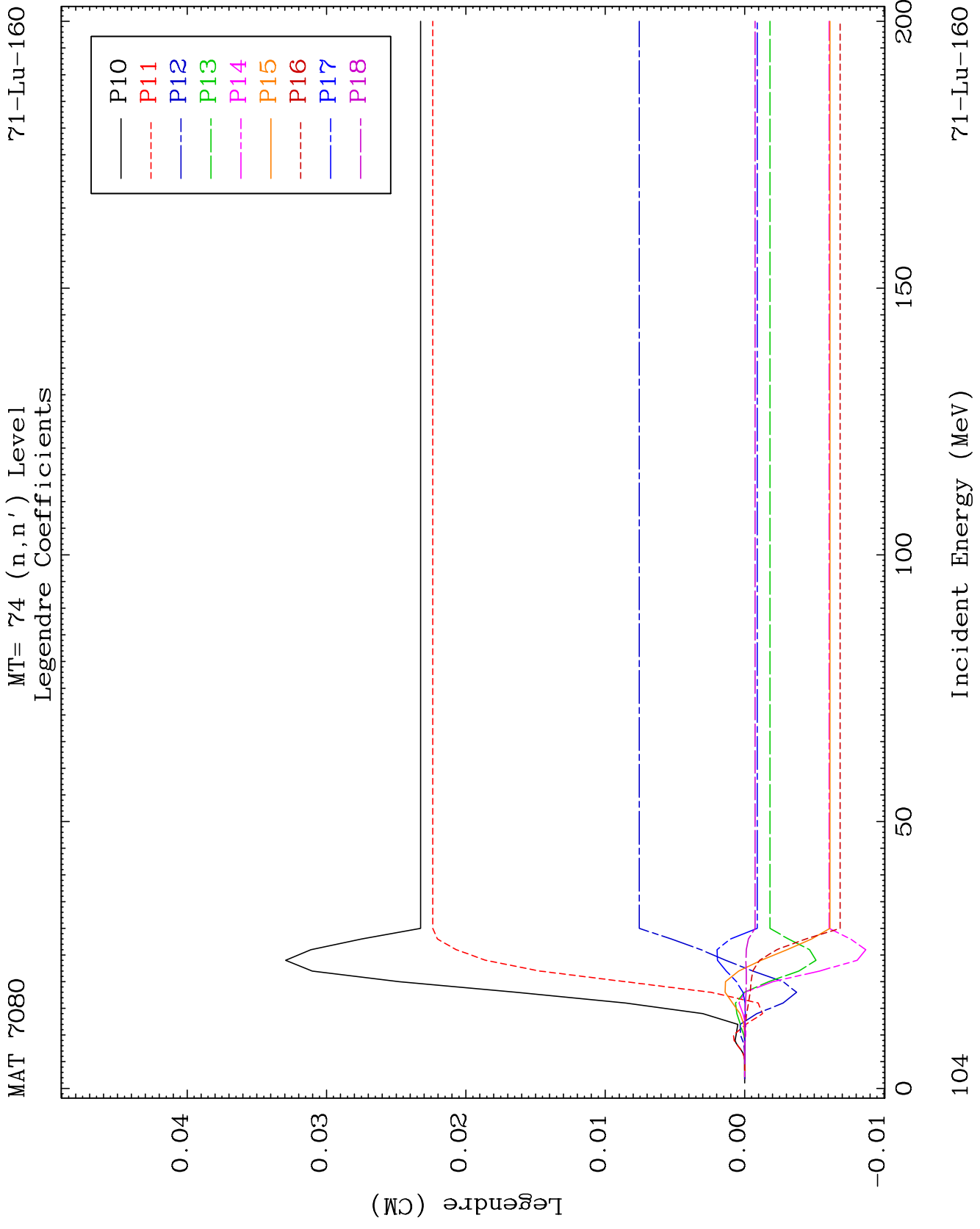
98







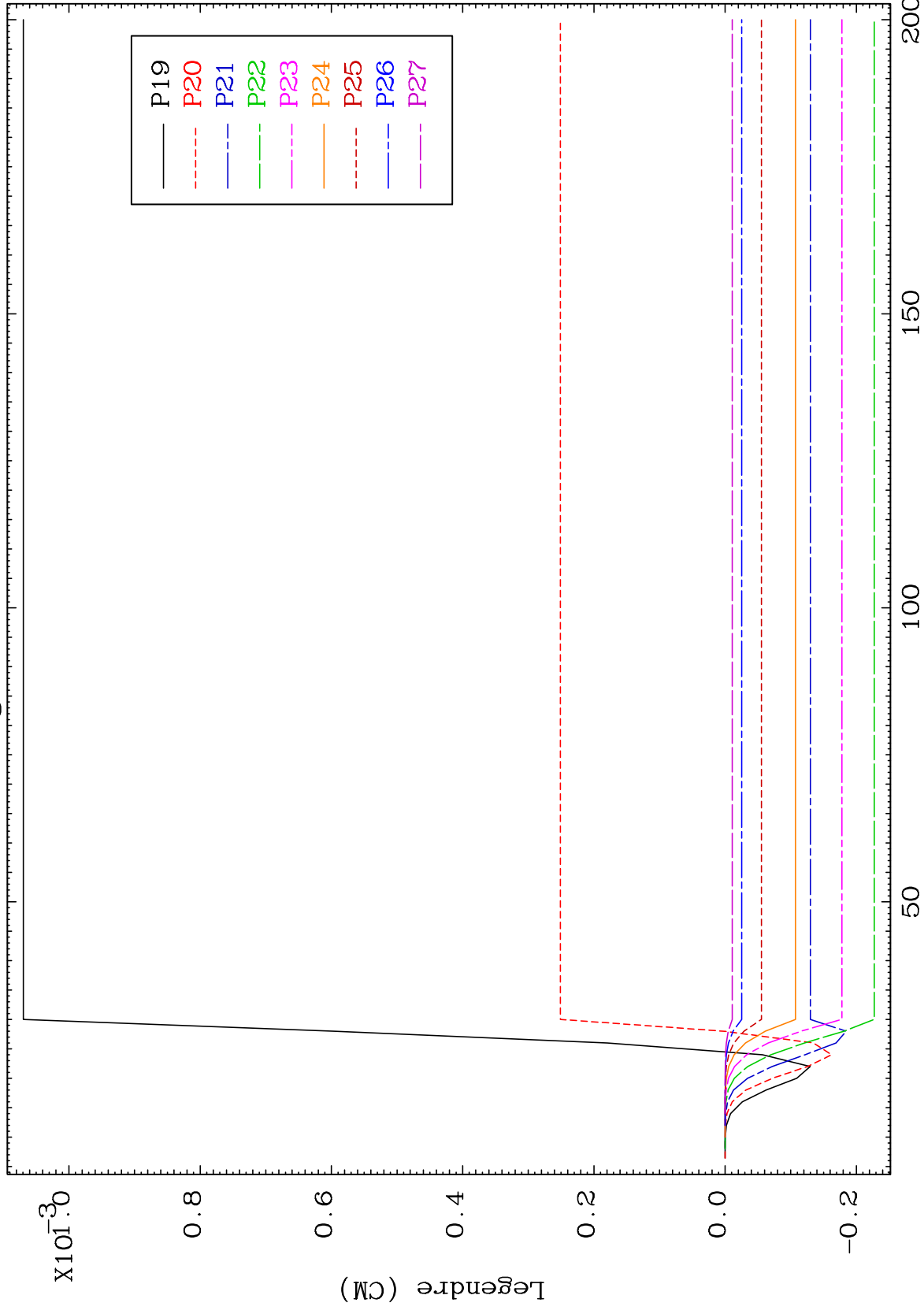




MAT 7080

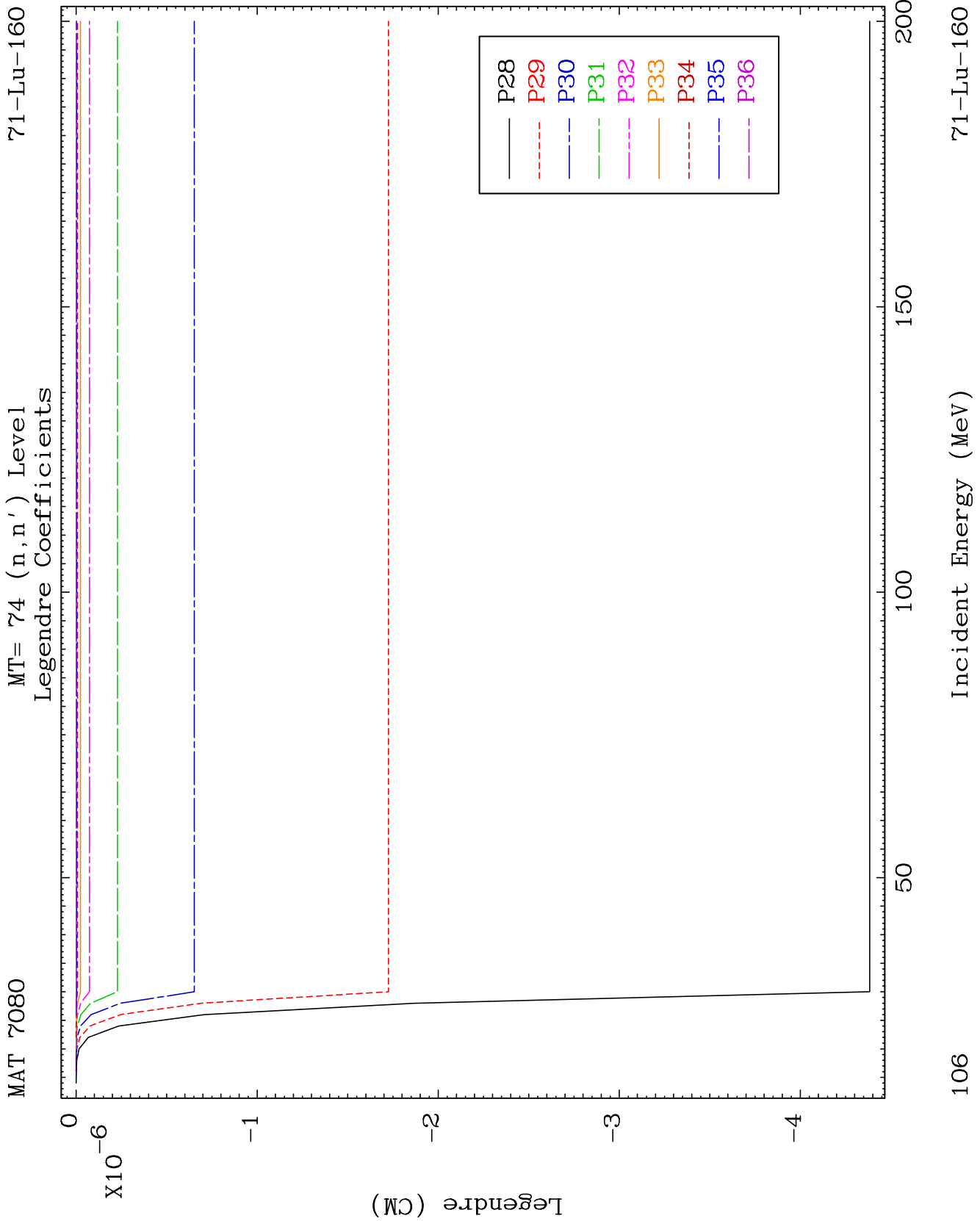
MT= 74 (n,n') Level
Legendre Coefficients

71-Lu-160



105

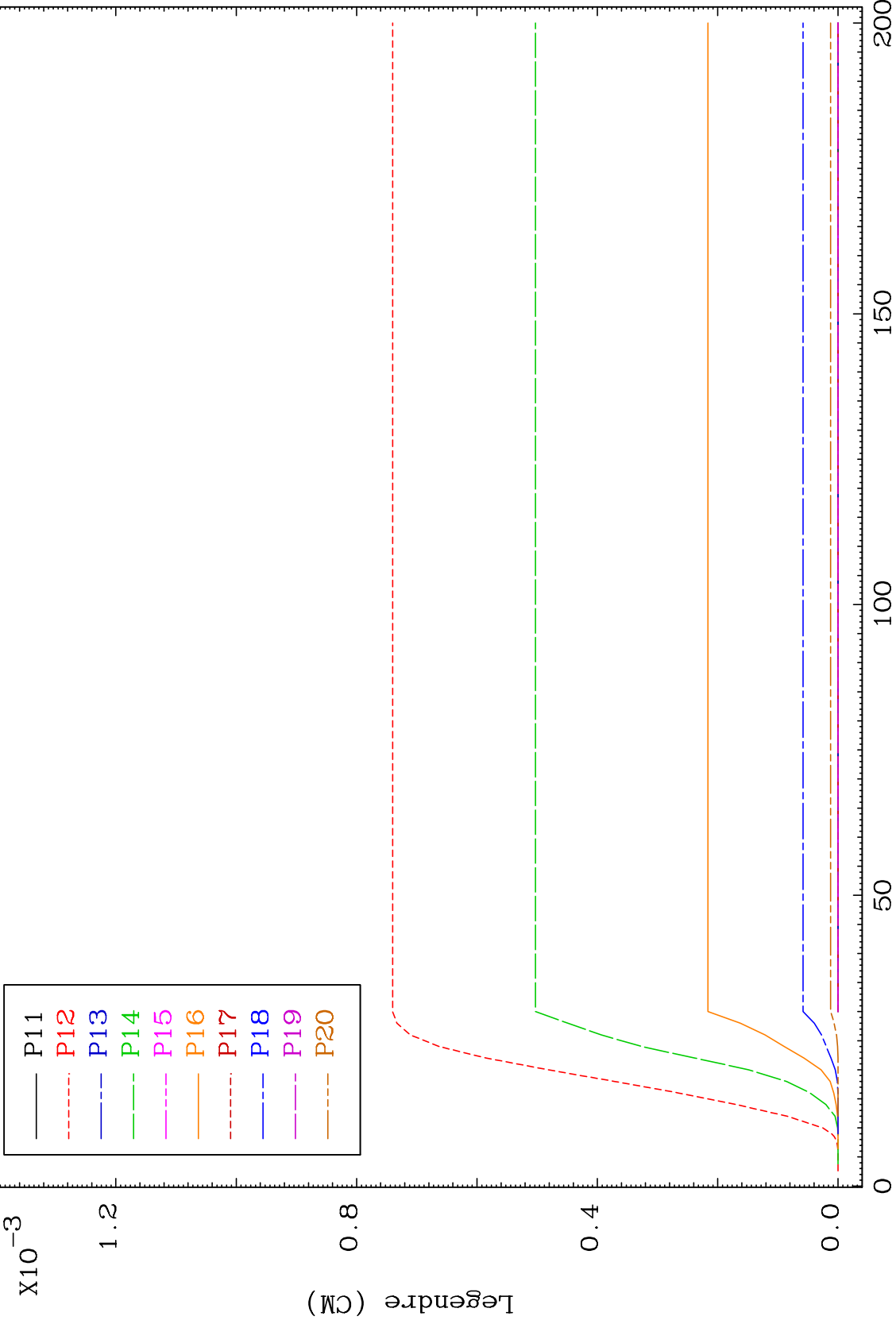
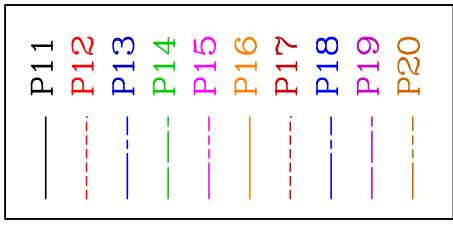
71-Lu-160



MAT 7080

MT= 75 (n,n') Level
Legendre Coefficients

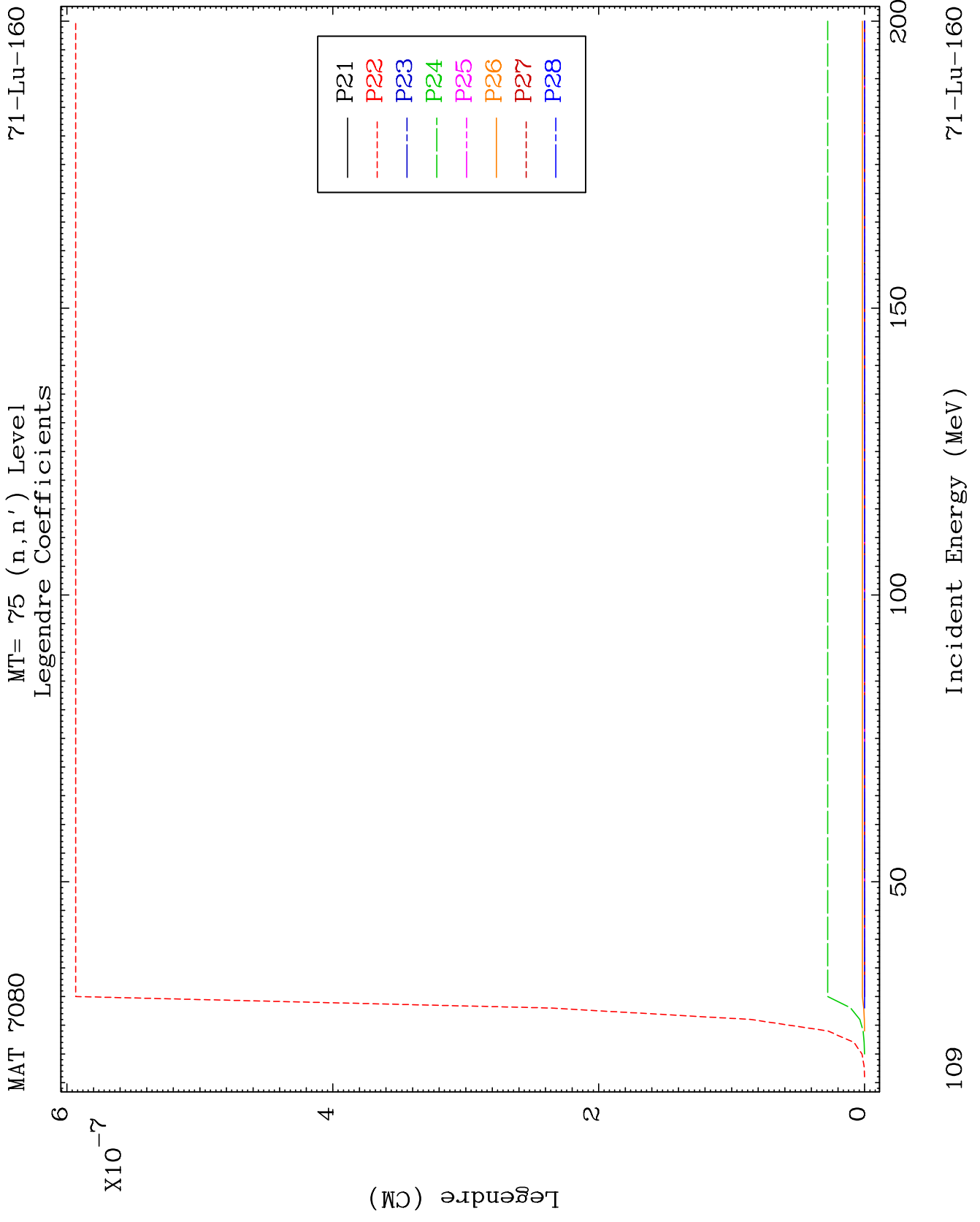
71-Lu-160



108

Incident Energy (MeV)

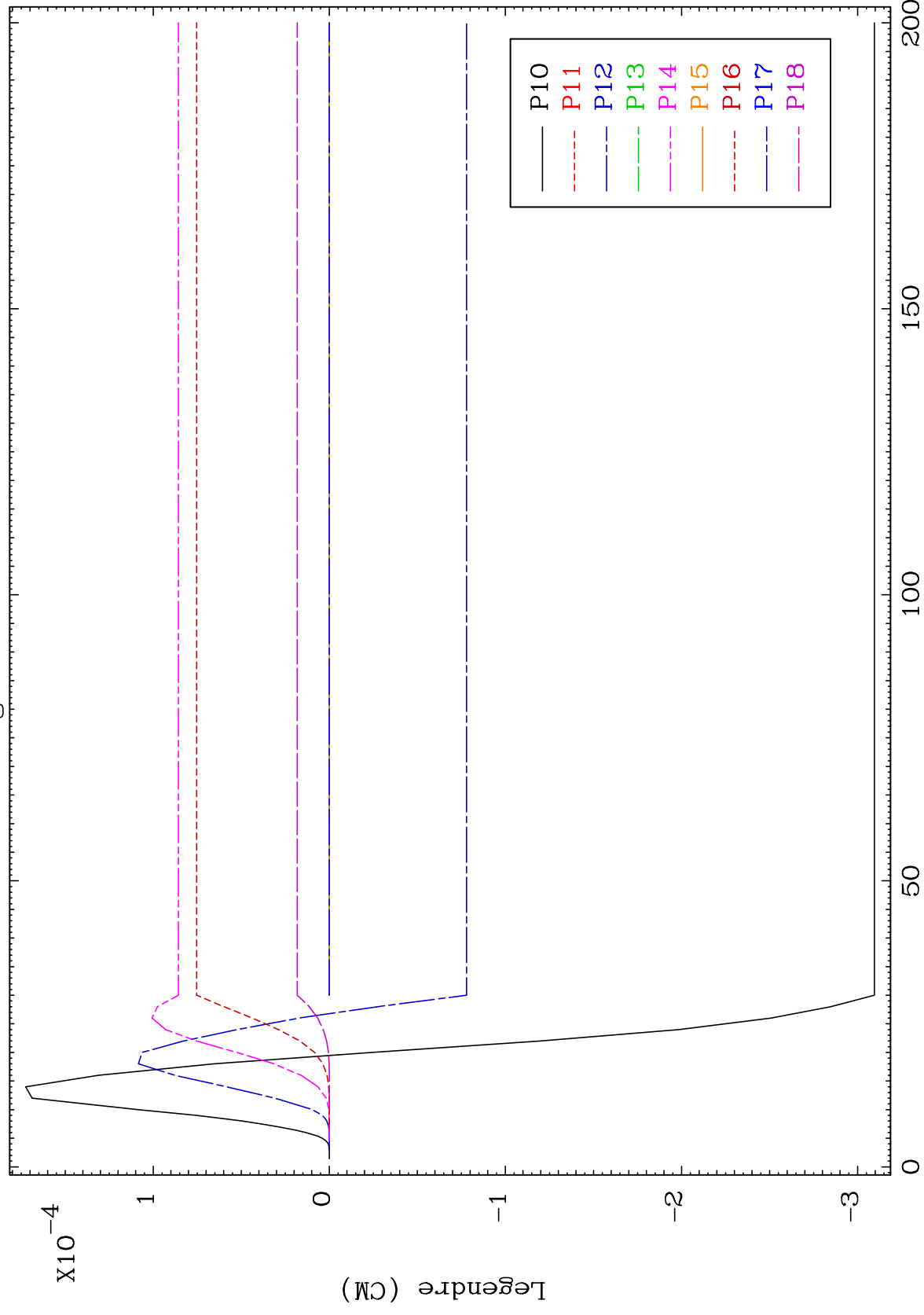
71-Lu-160



MAT 7080

MT= 76 (n,n') Level
Legendre Coefficients

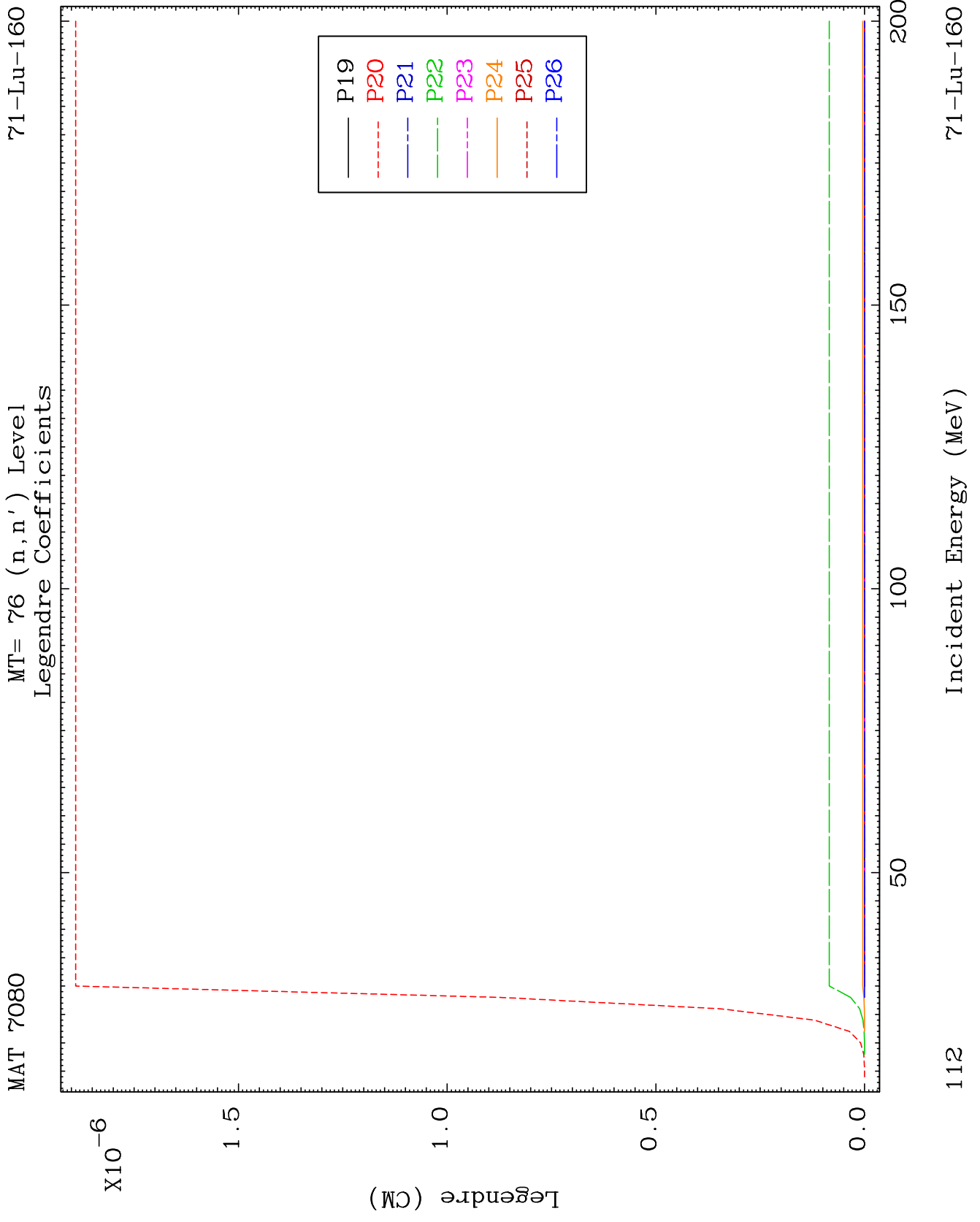
71-Lu-160

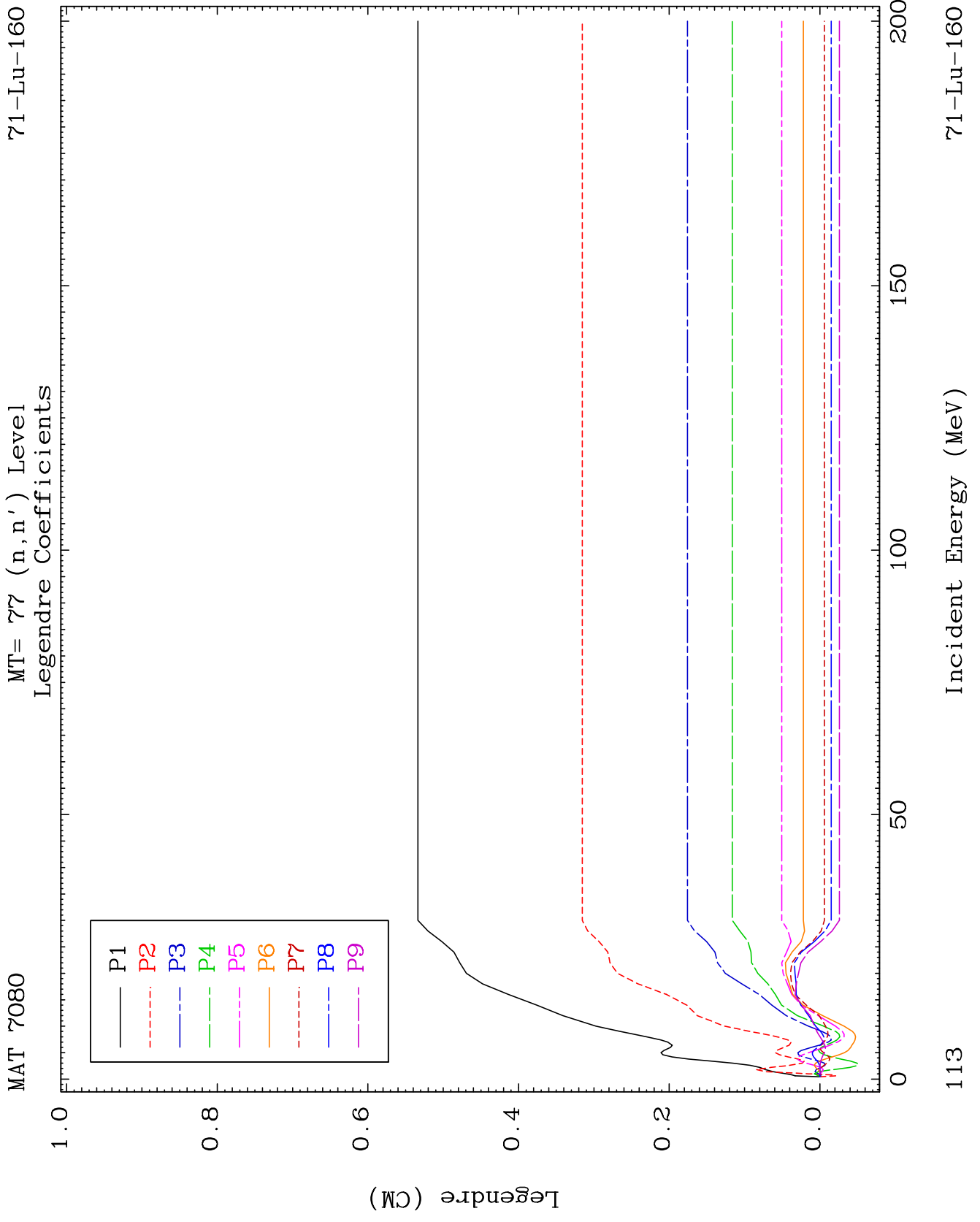


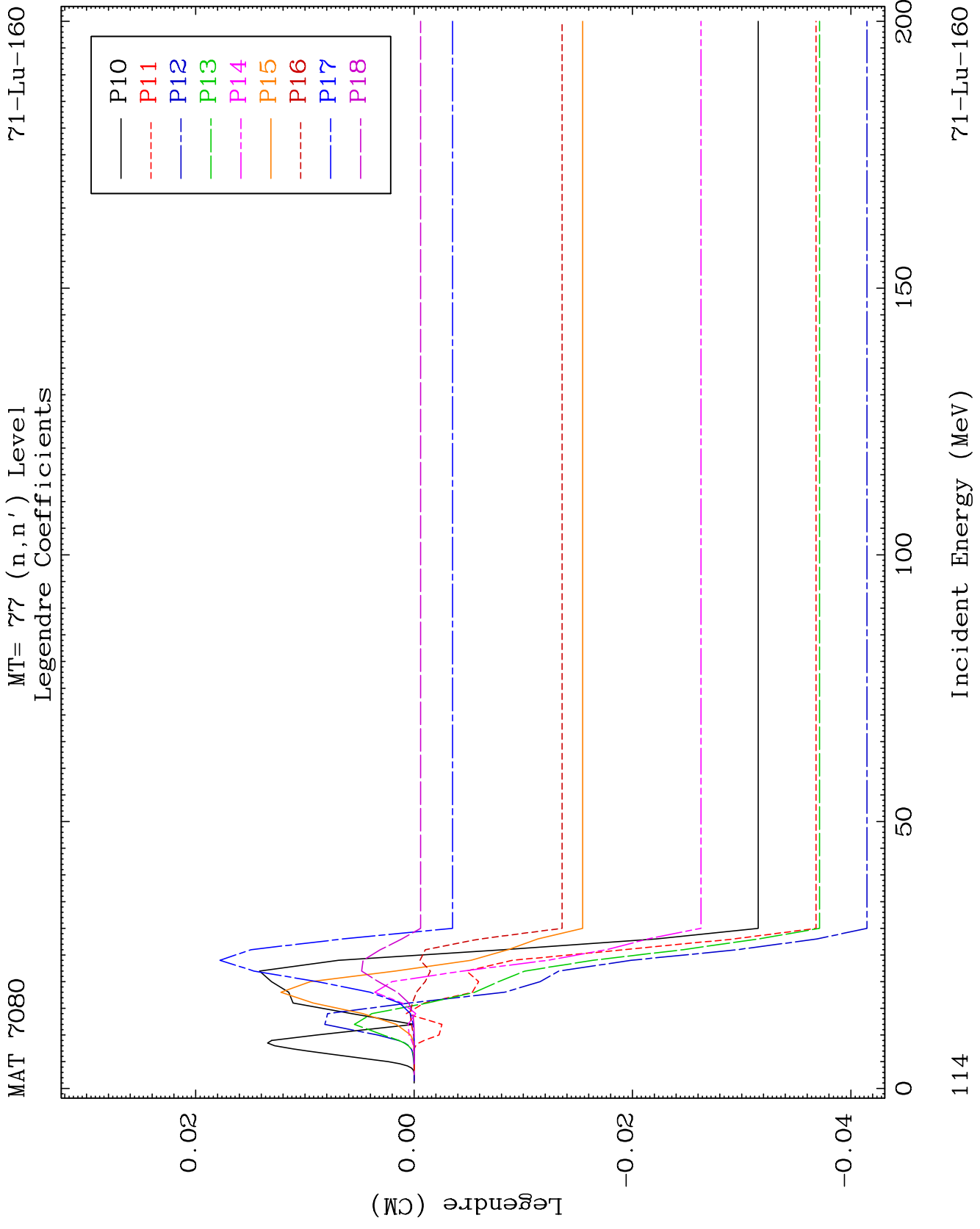
111

Incident Energy (MeV)

71-Lu-160



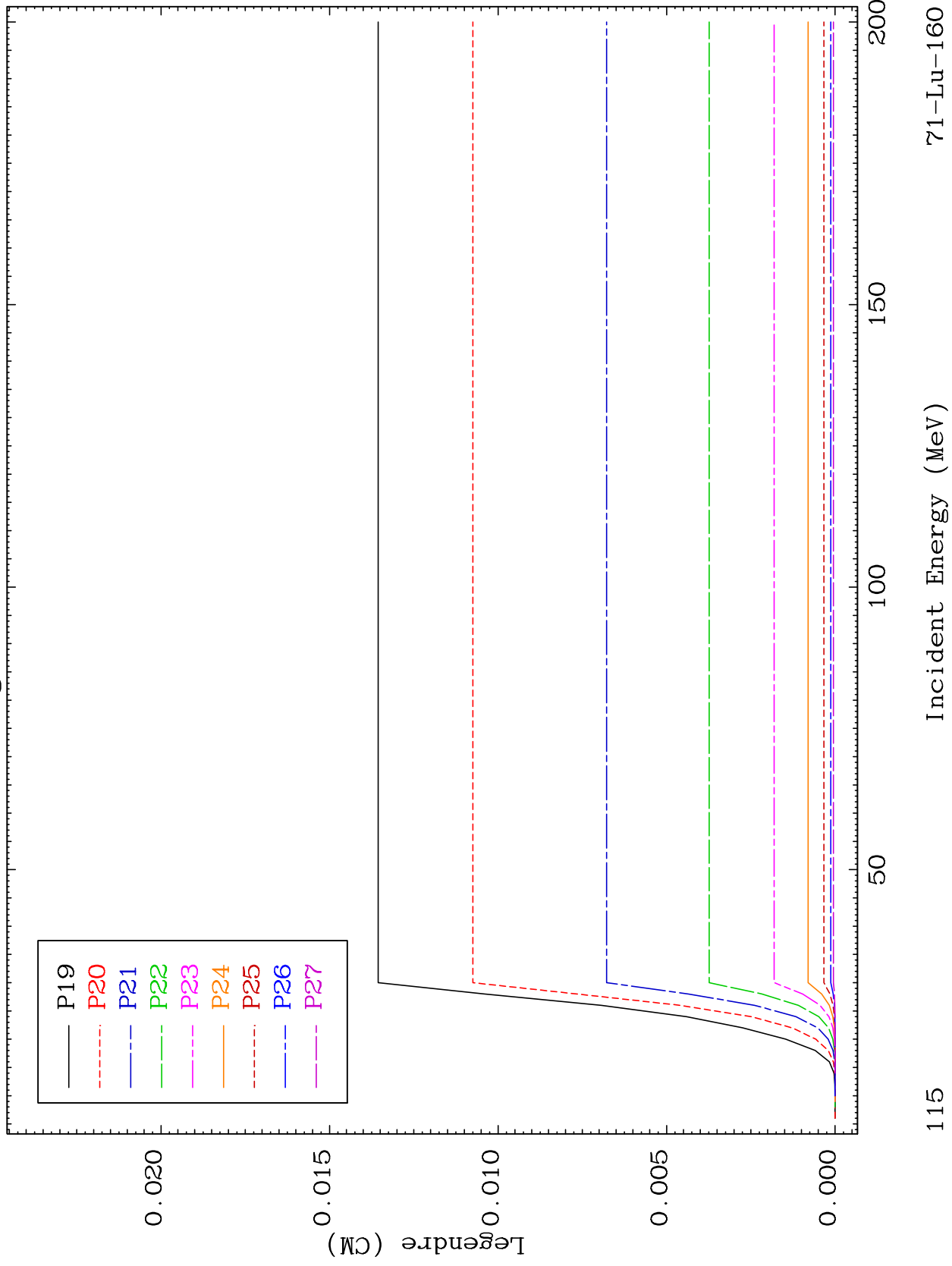




MAT 7080

MT= 77 (n,n') Level
Legendre Coefficients

71-Lu-160



115

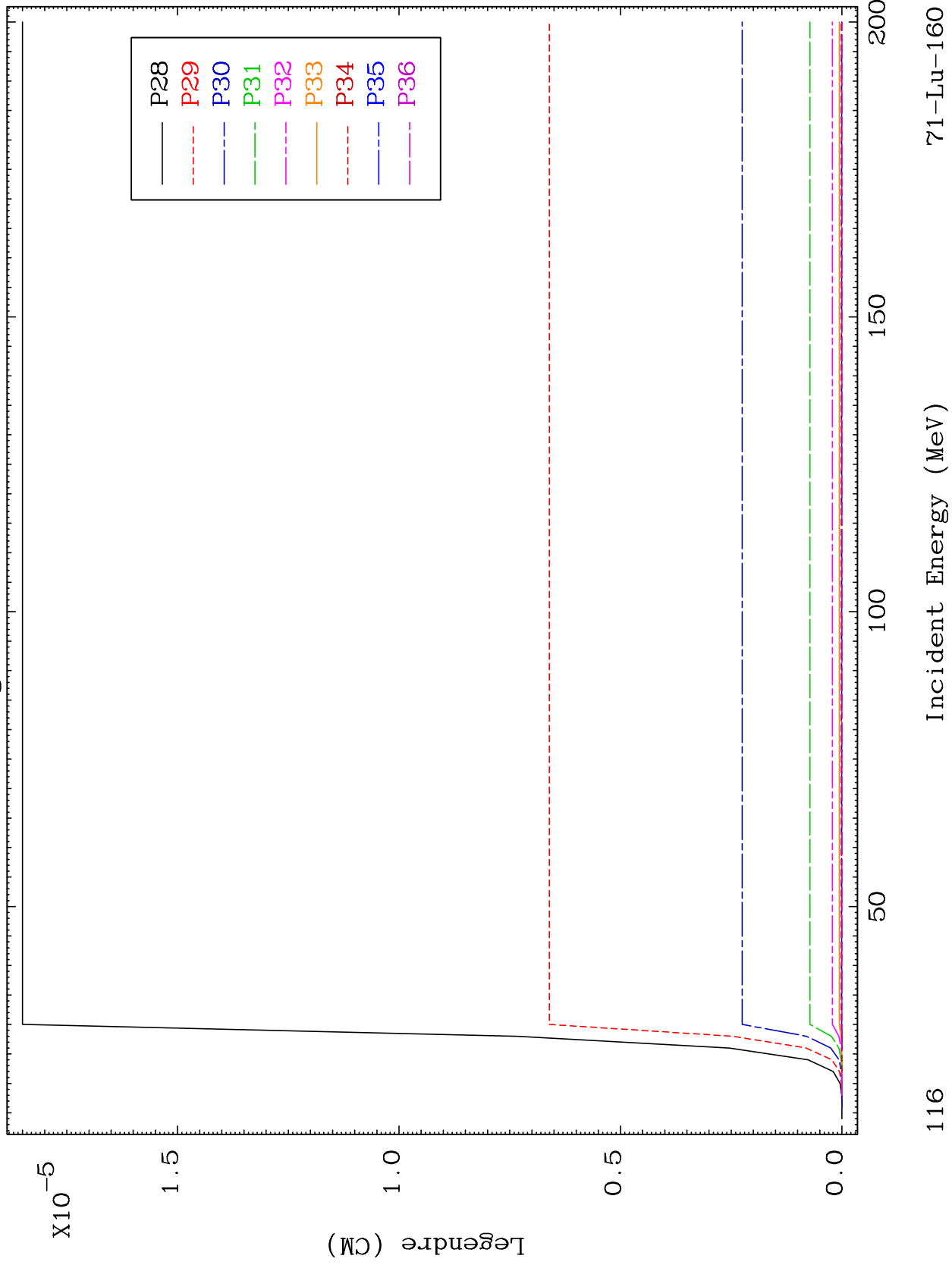
Incident Energy (MeV)

71-Lu-160

MAT 7080

MT= 77 (n,n') Level
Legendre Coefficients

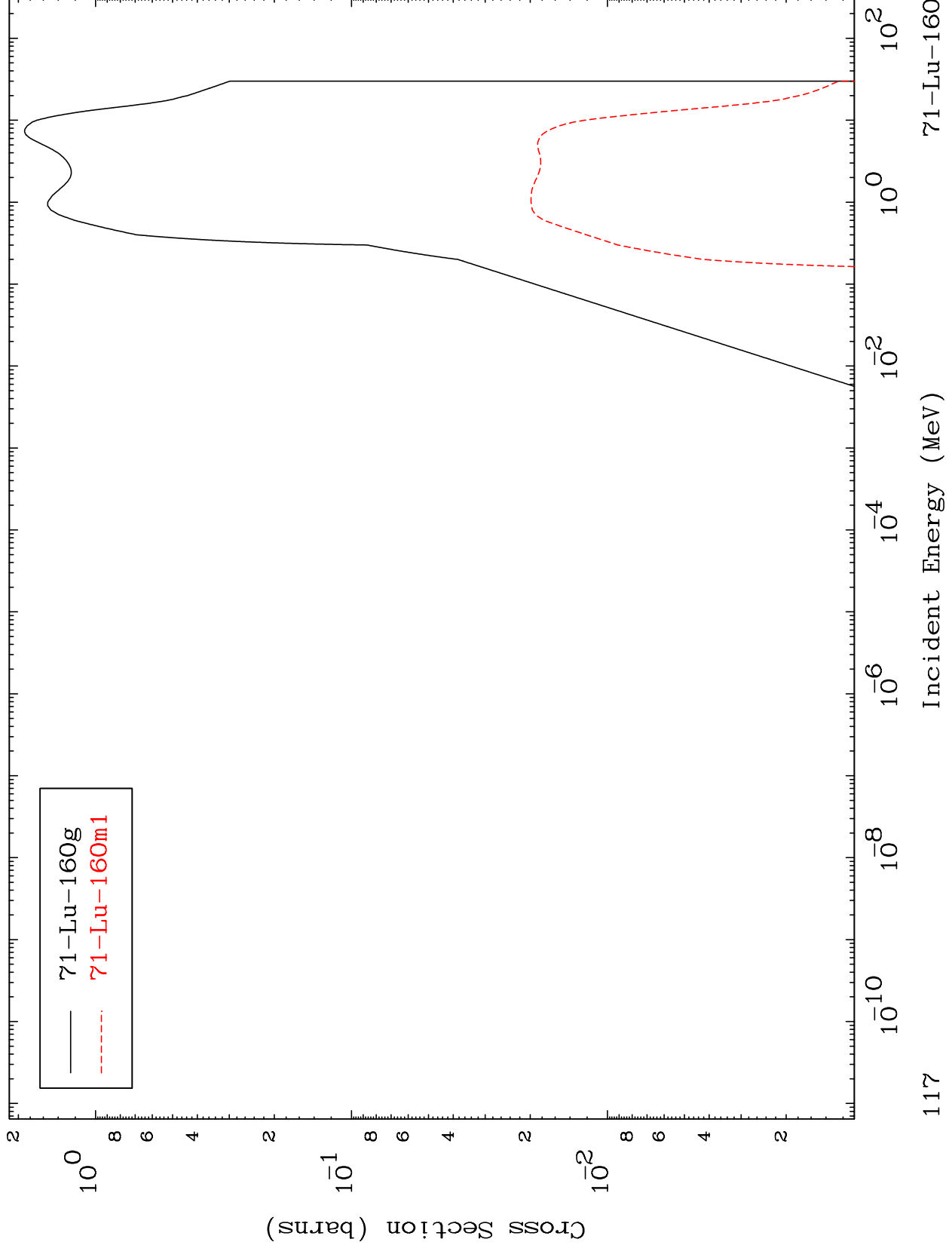
71-Lu-160



MAT 7080

Inelastic
Radionuclide Production Cross Section

⁷¹Lu-160

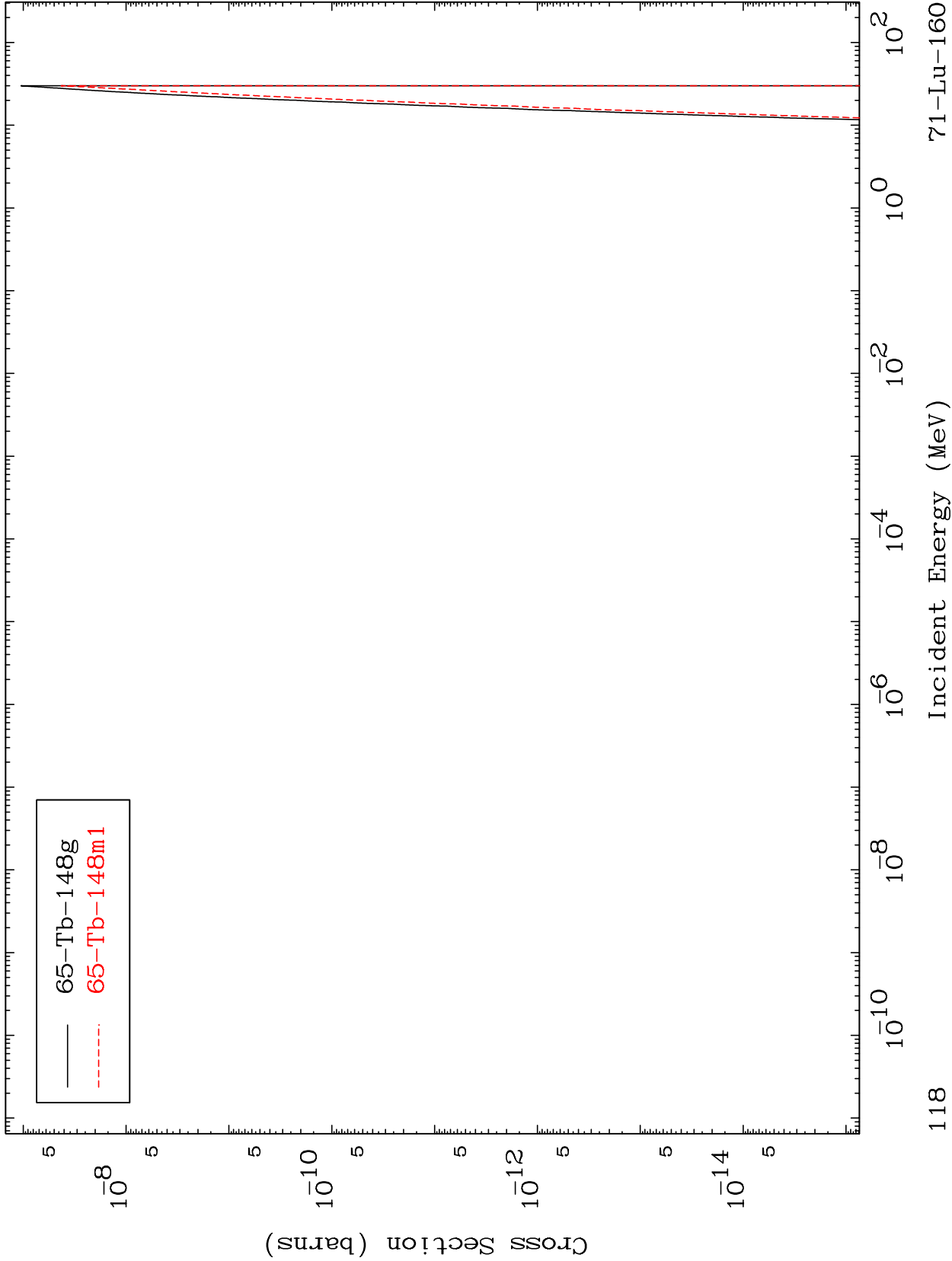


MAT 7080

(n,n') 3 α

⁷¹Lu-160

Radionuclide Production Cross Section

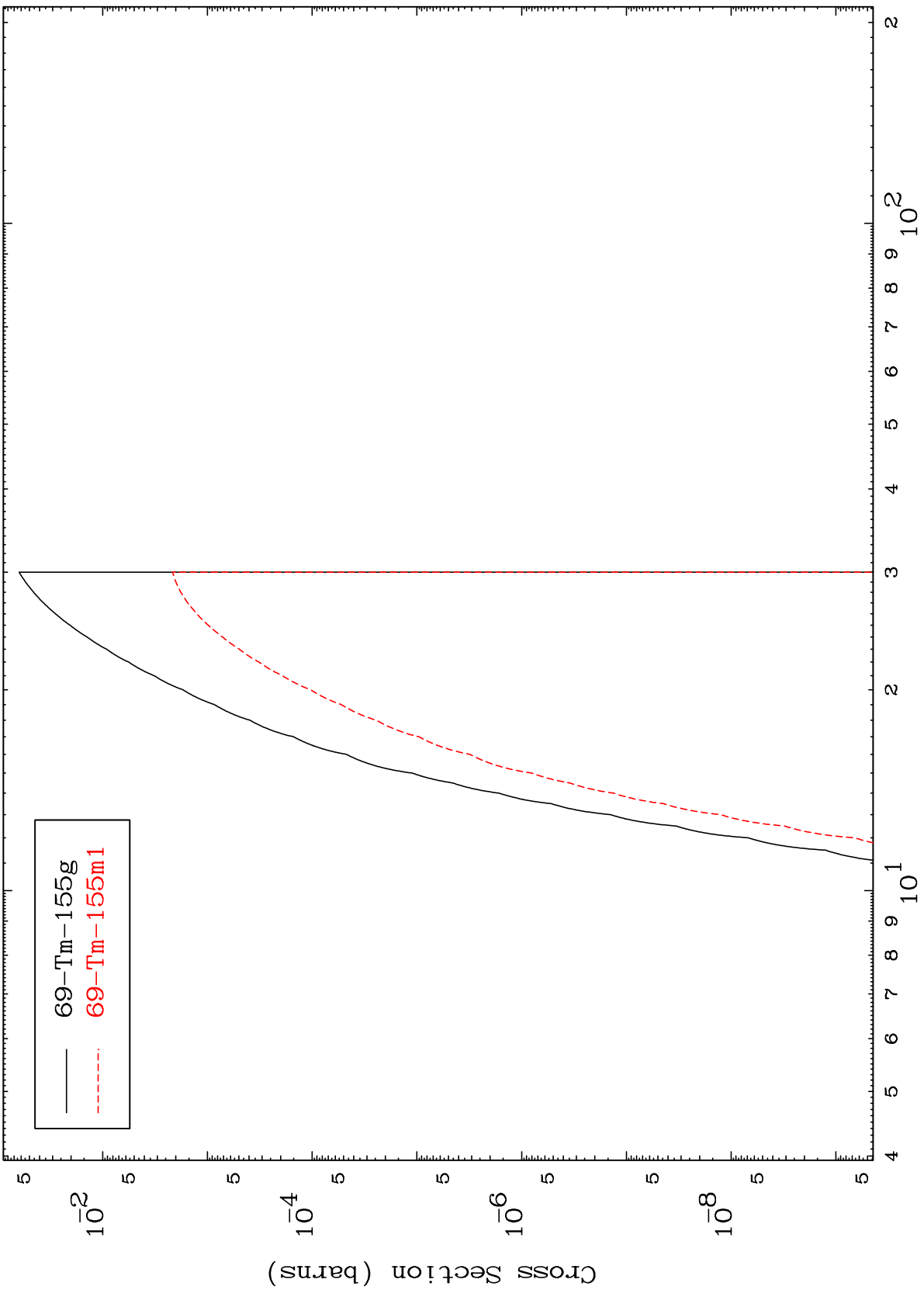


MAT 7080

$(n,2n) \alpha$

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

Radionuclide Production Cross Section



— 69-Tm-155g
- - - 69-Tm-155m1

119

Incident Energy (MeV)

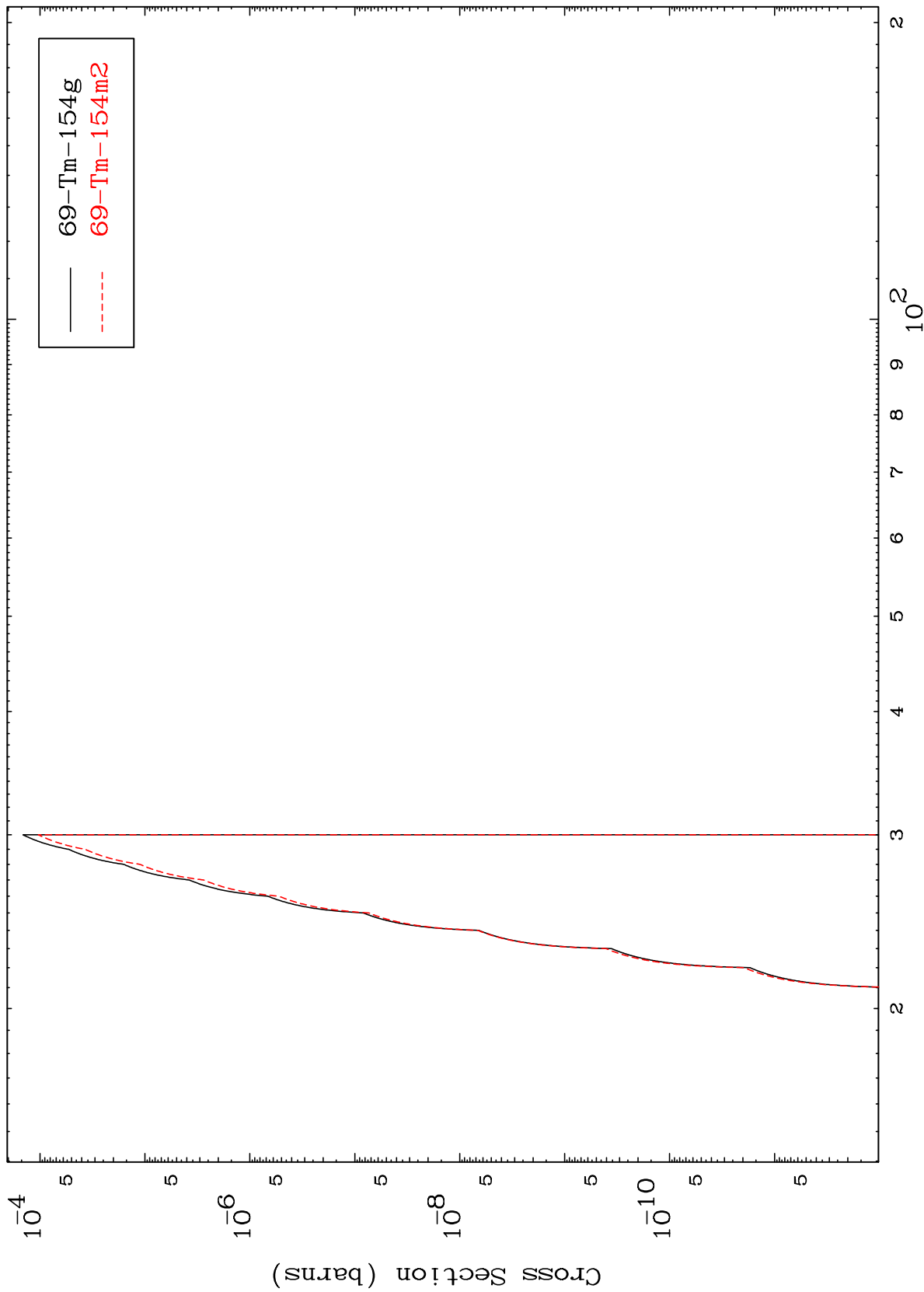
$^{71}\text{Lu-160}$

MAT 7080

(n,3n) α

71-Lu-160

Radionuclide Production Cross Section



120

Incident Energy (MeV)

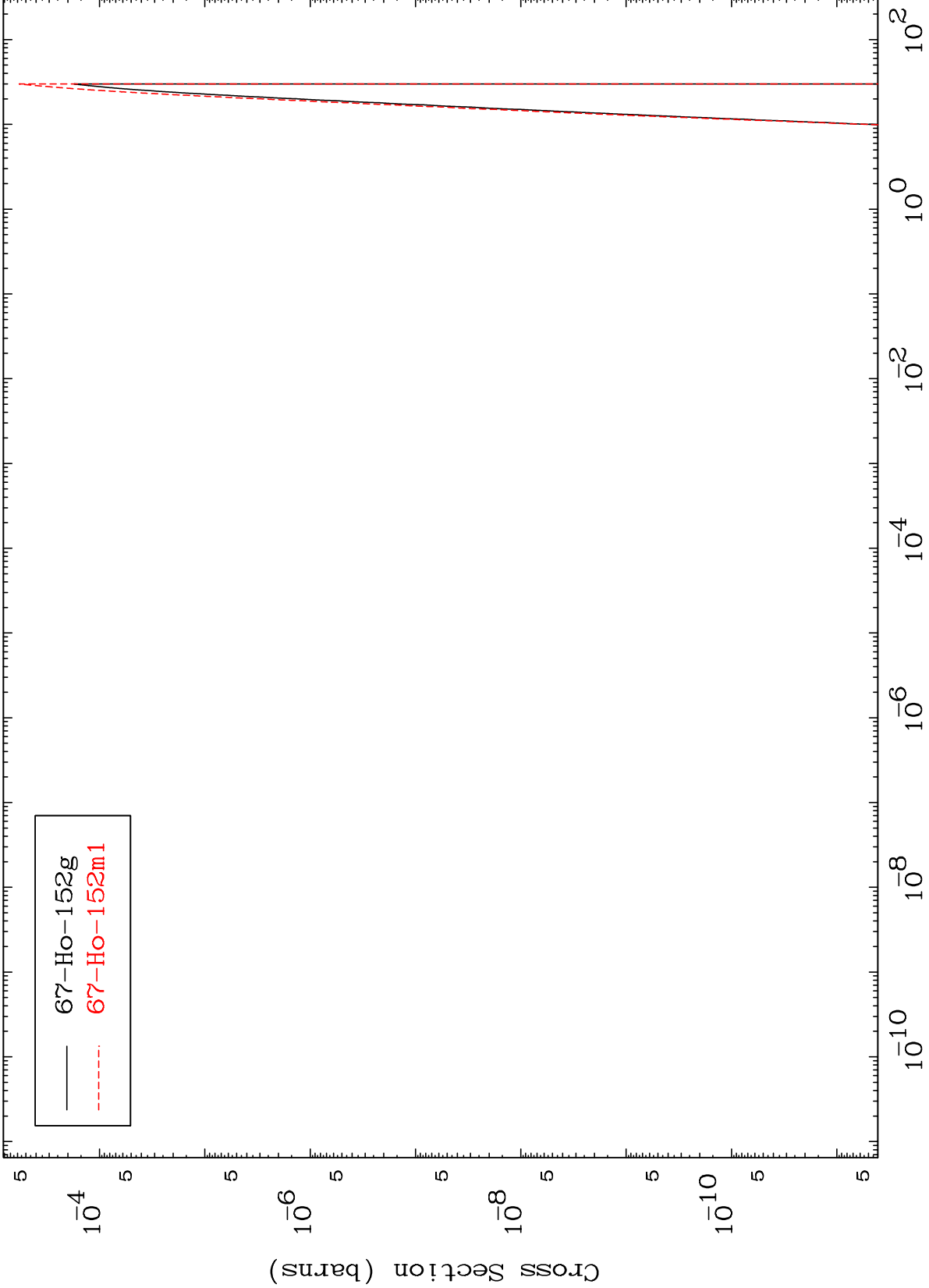
71-Lu-160

MAT 7080

(n,n') 2α

71-Lu-160

Radionuclide Production Cross Section



67-Ho-152g
67-Ho-152m1

121

Incident Energy (MeV)

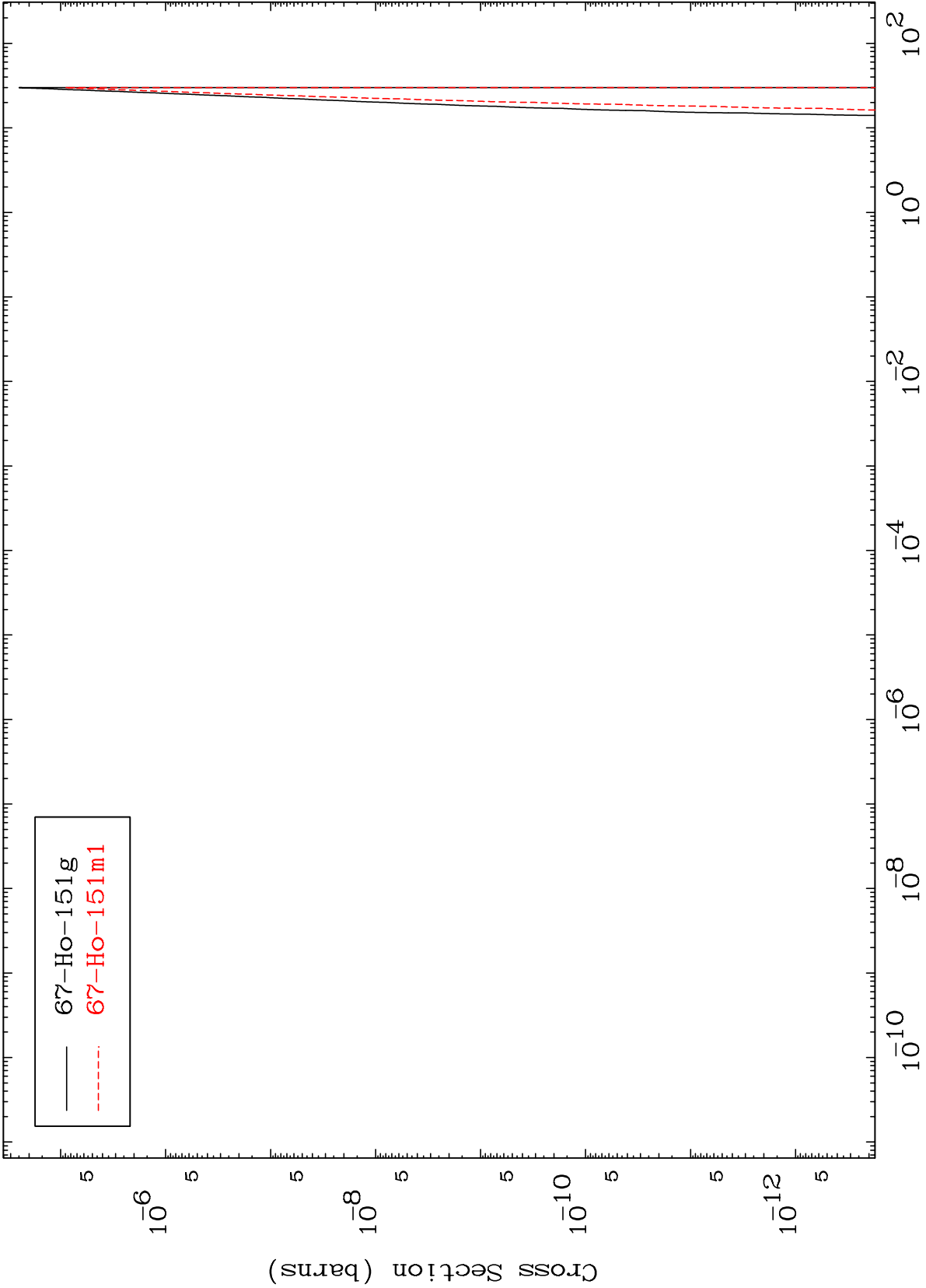
71-Lu-160

MAT 7080

(n,2n) 2α

⁷¹Lu-160

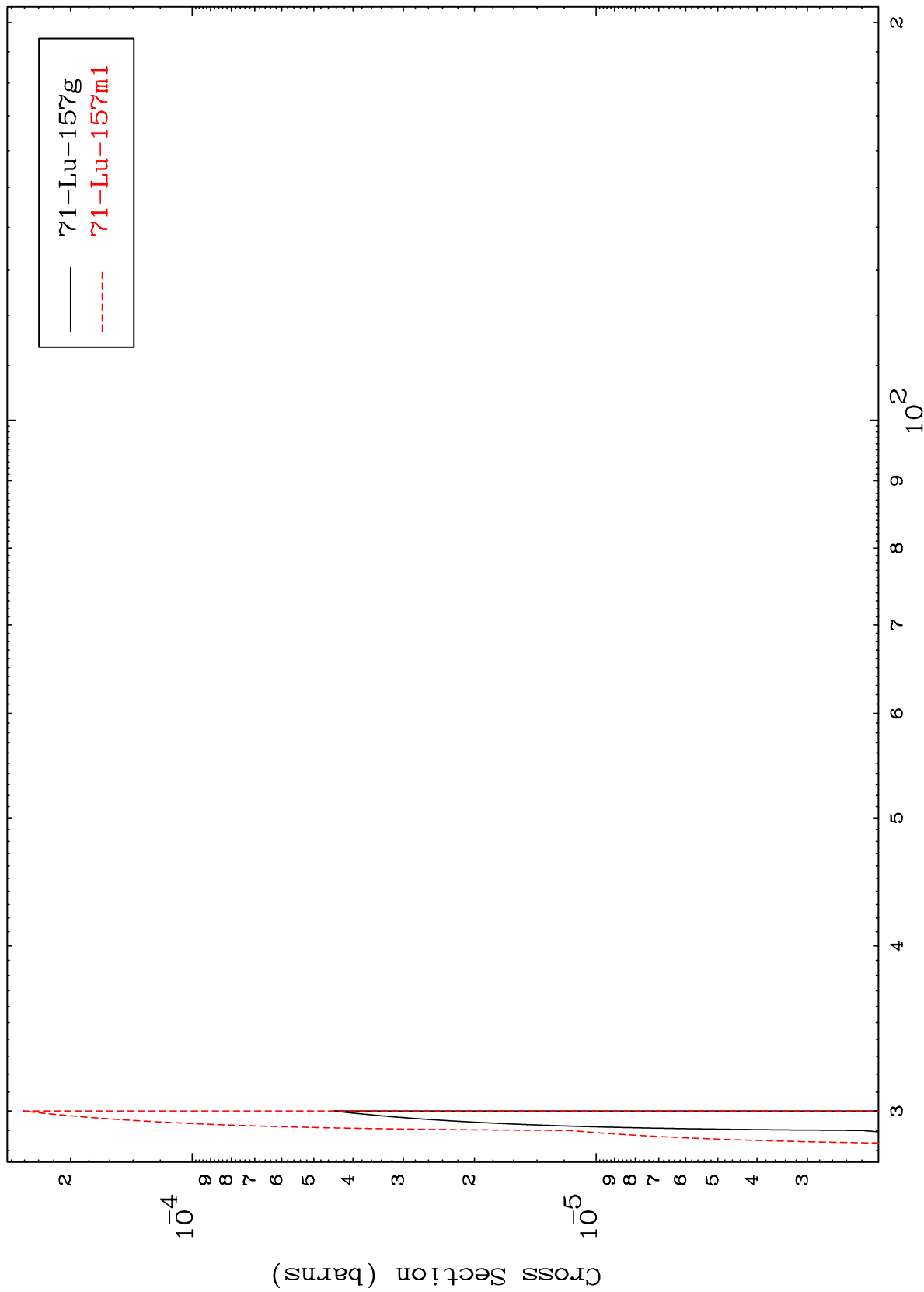
Radionuclide Production Cross Section



MAT 7080

71-Lu-160

(n,4n)
Radionuclide Production Cross Section



123

71-Lu-160

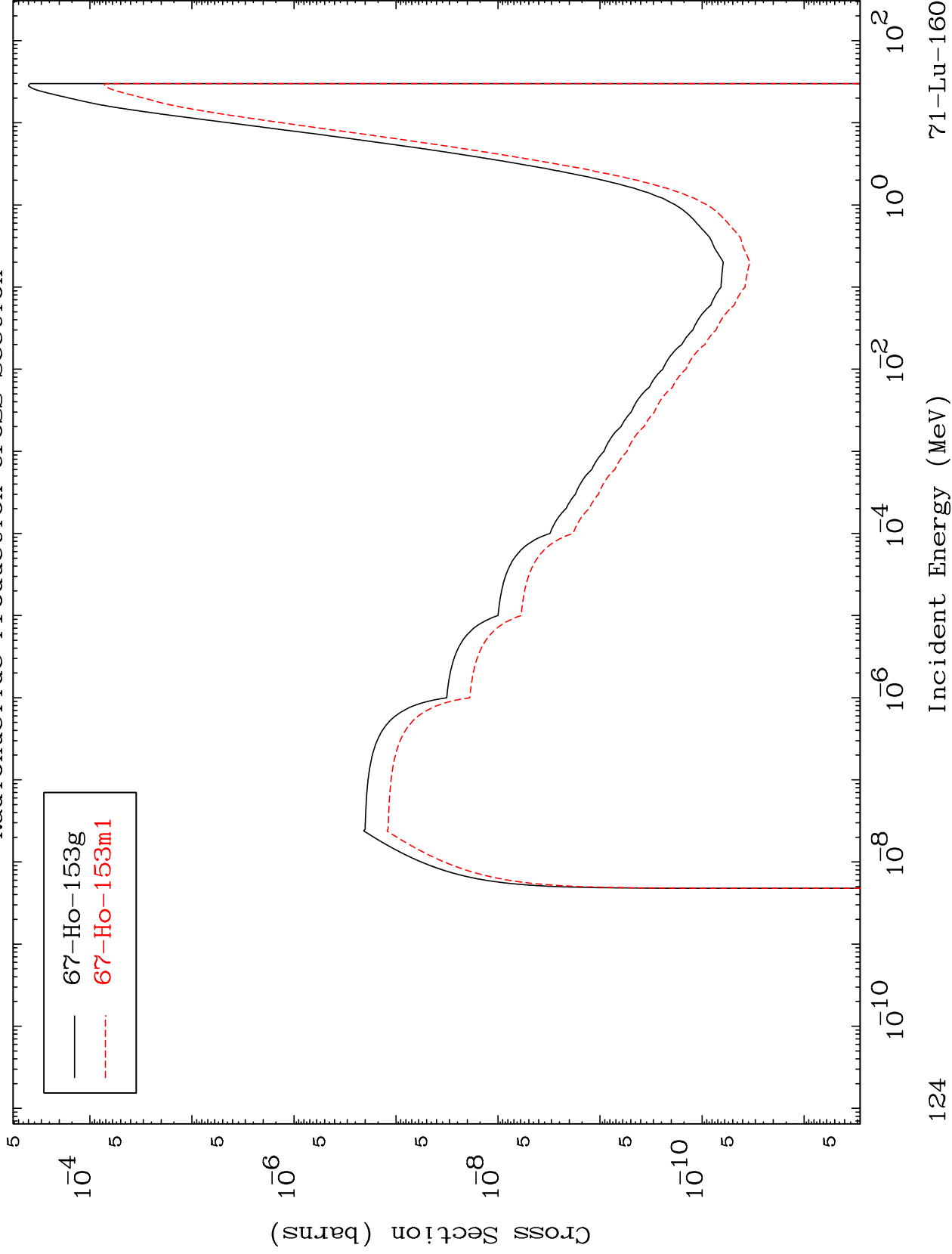
Incident Energy (MeV)

MAT 7080

(n,2α)

⁷¹Lu-160

Radionuclide Production Cross Section

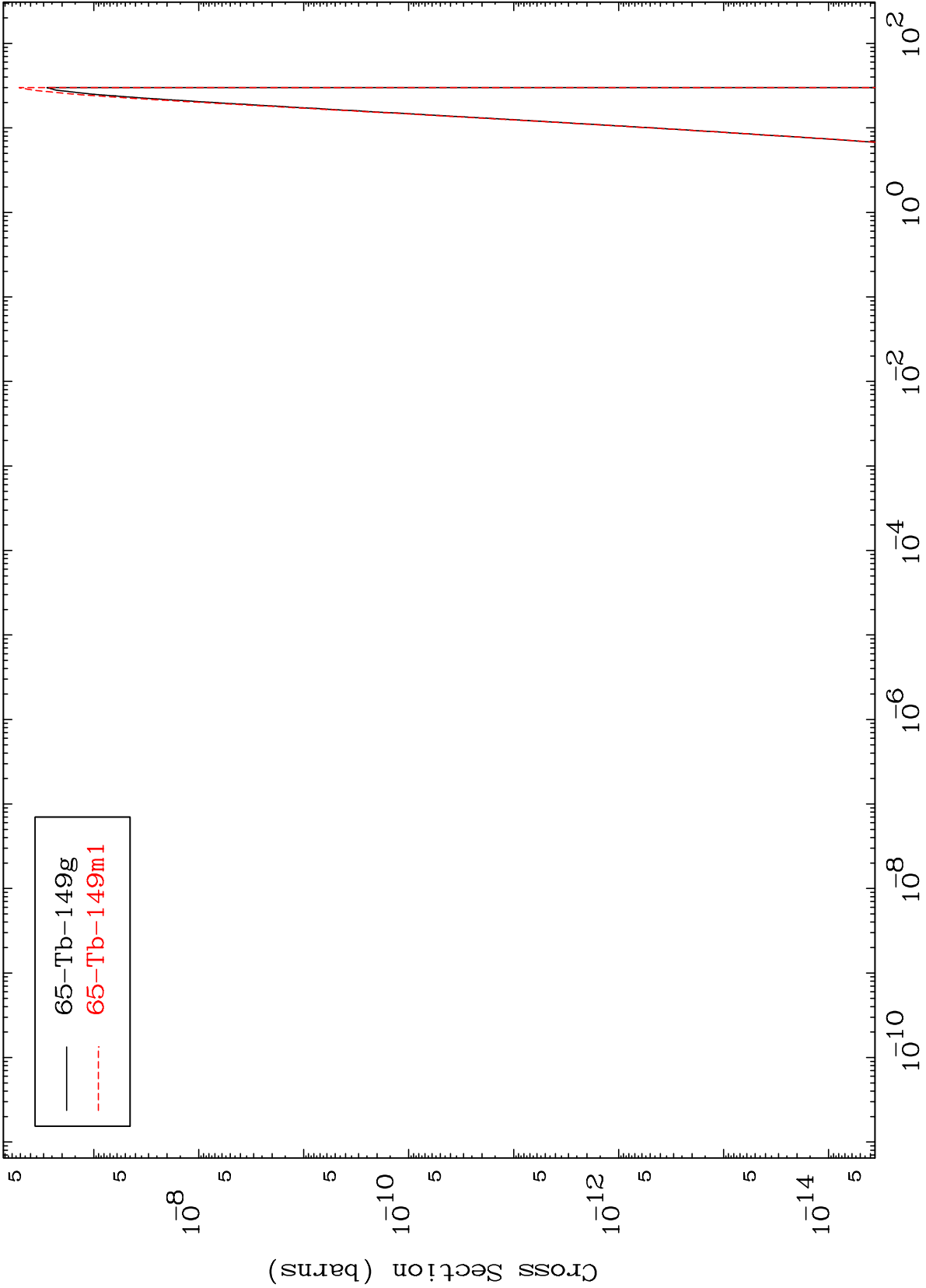


MAT 7080

(n,3 α)

⁷¹Lu-160

Radionuclide Production Cross Section



— 65-Tb-149g
- - - 65-Tb-149m1

125

Incident Energy (MeV)

⁷¹Lu-160