

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

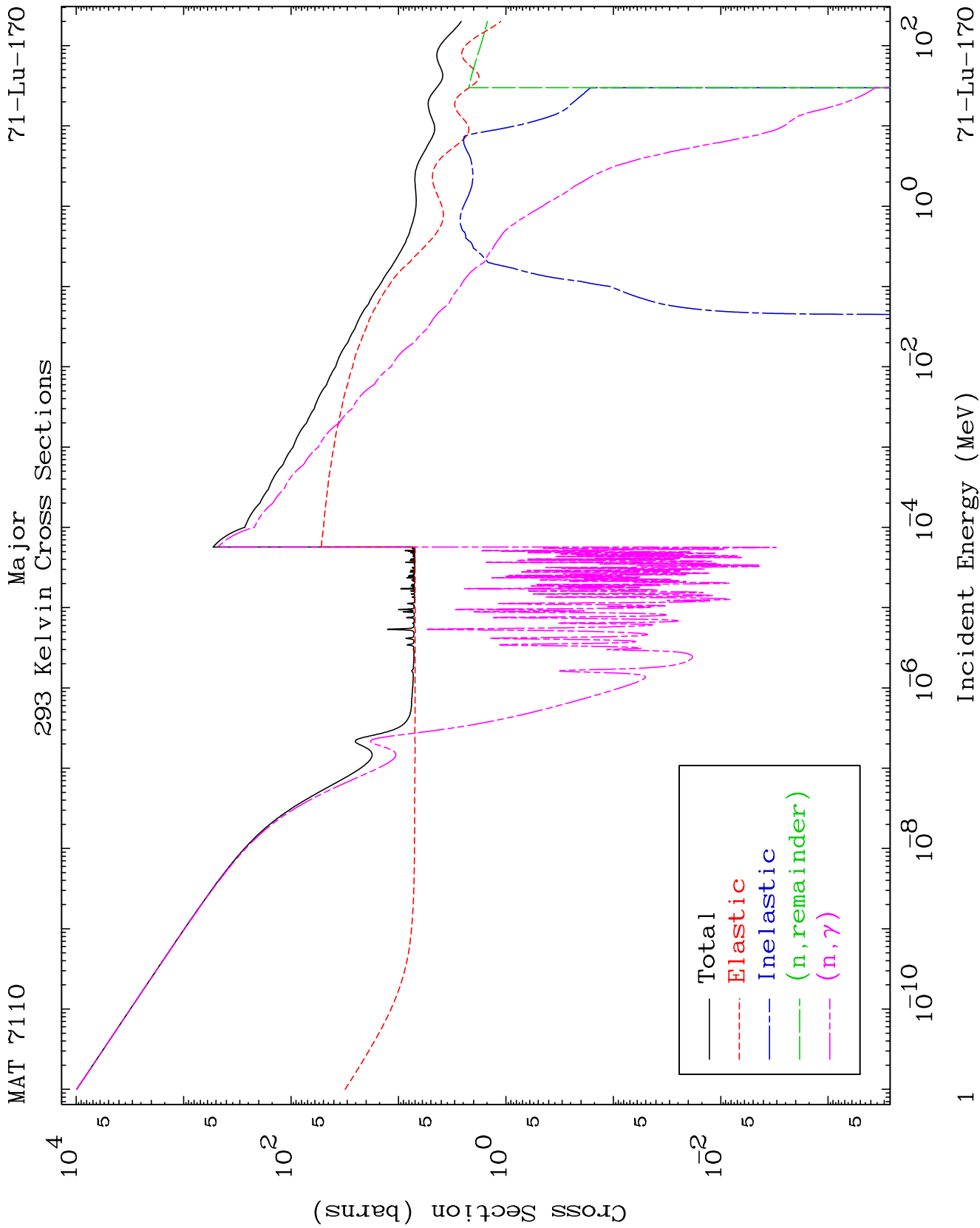
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Web:redcullen1.net/HOMEPAGE.NEW

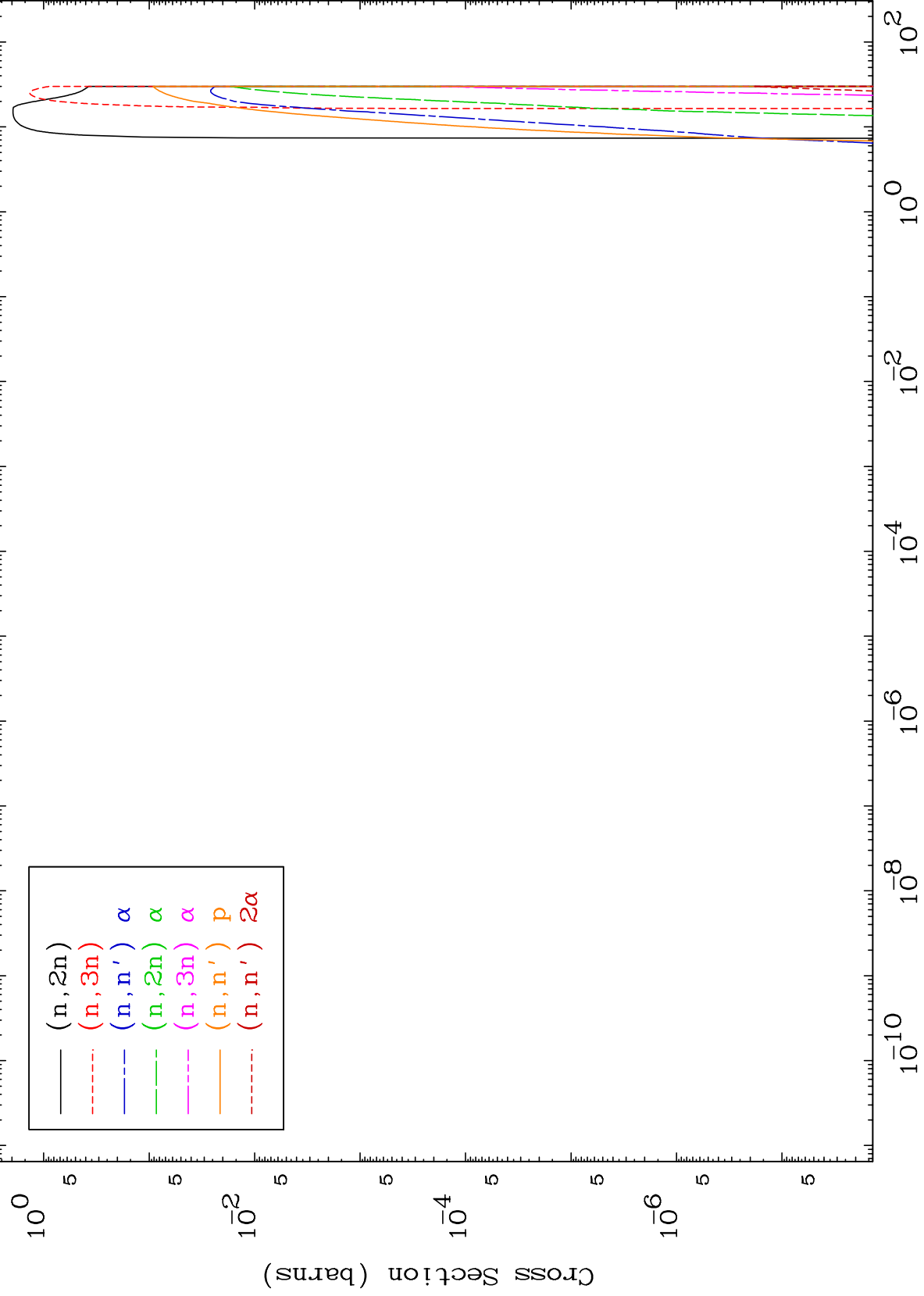
Press Mouse Button to Start



MAT 7110

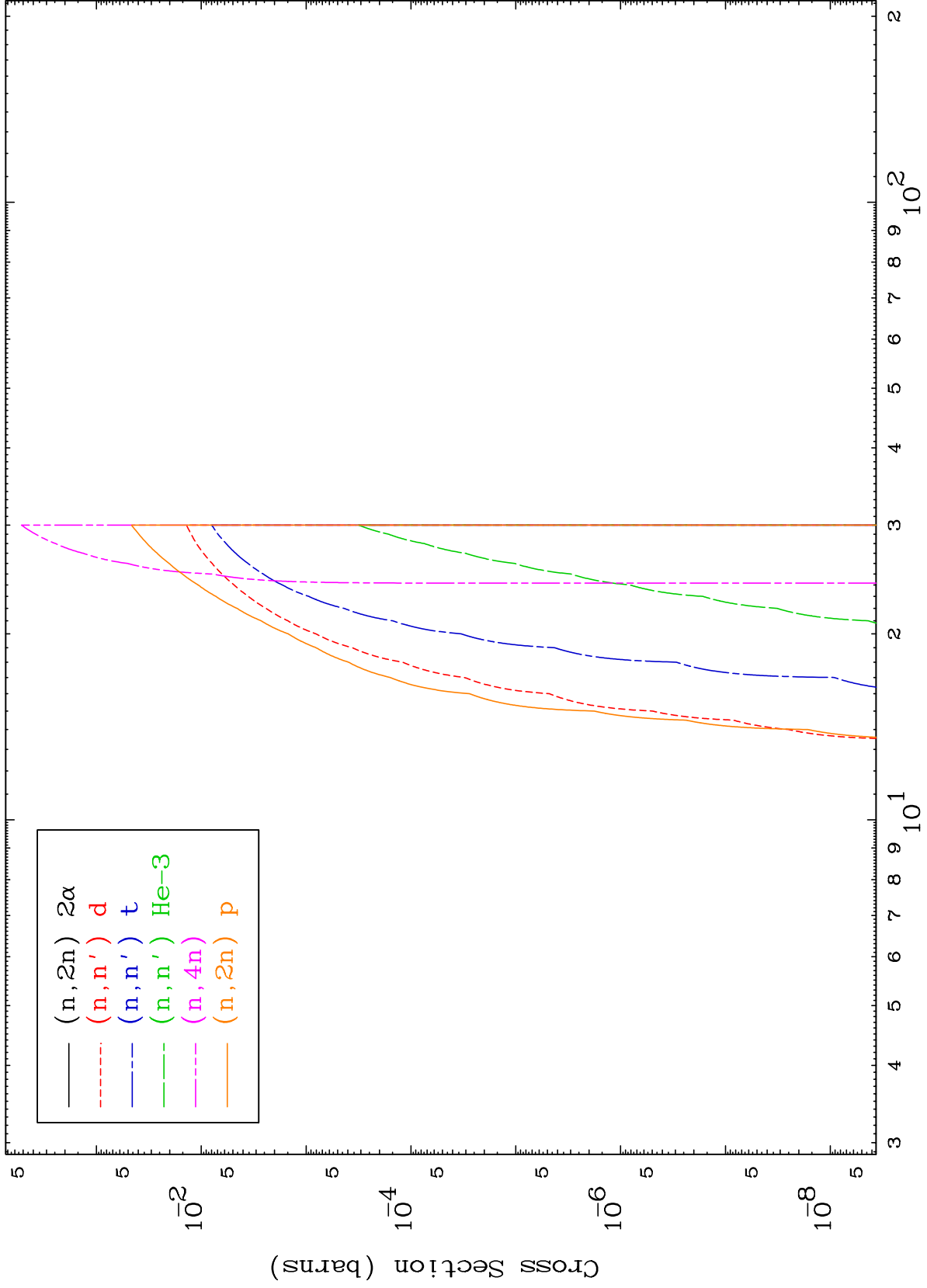
Neutron Production
293 Kelvin Cross Sections

71-Lu-170



71-Lu-170

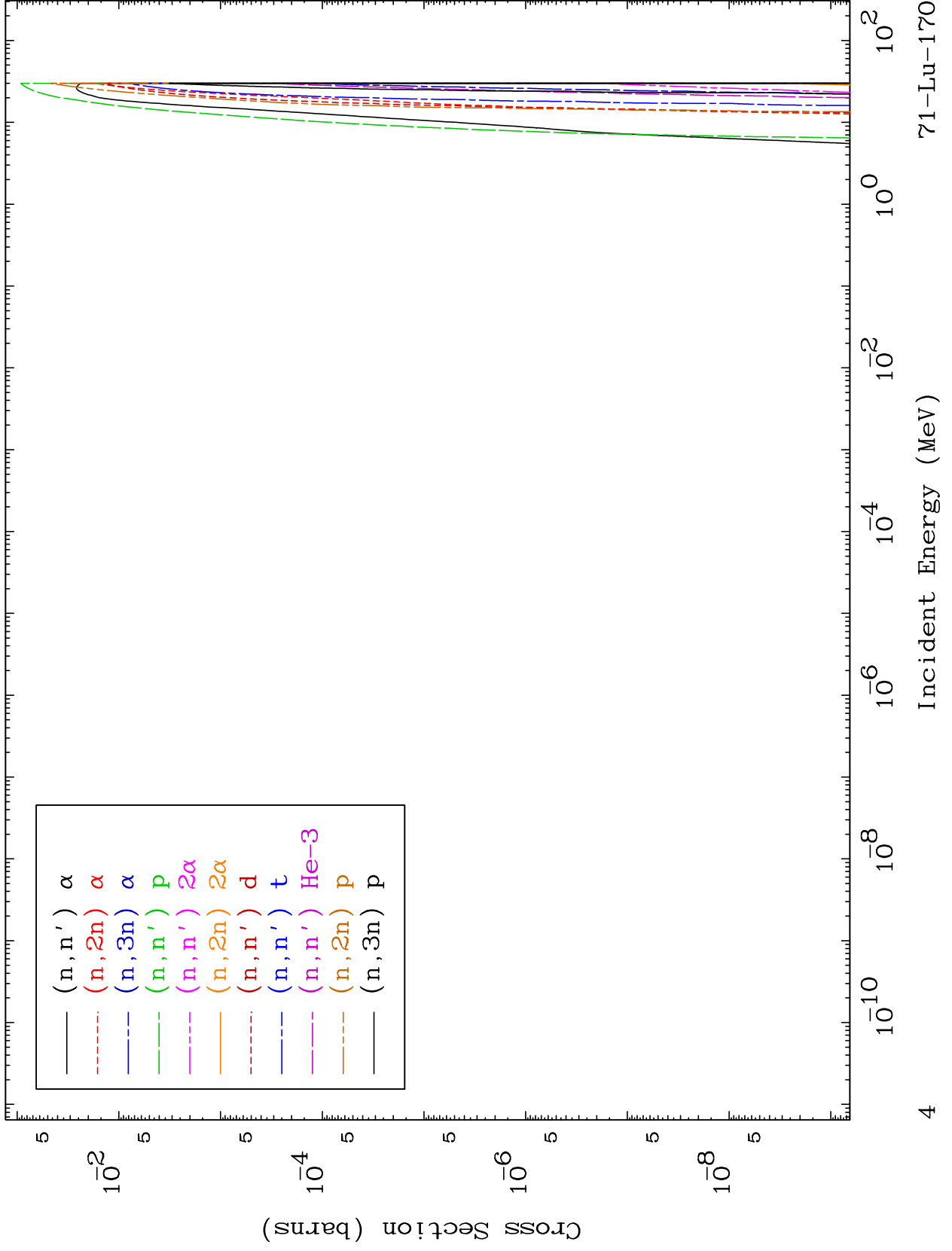
Incident Energy (MeV)



MAT 7110

Charged Particle
293 Kelvin Cross Sections

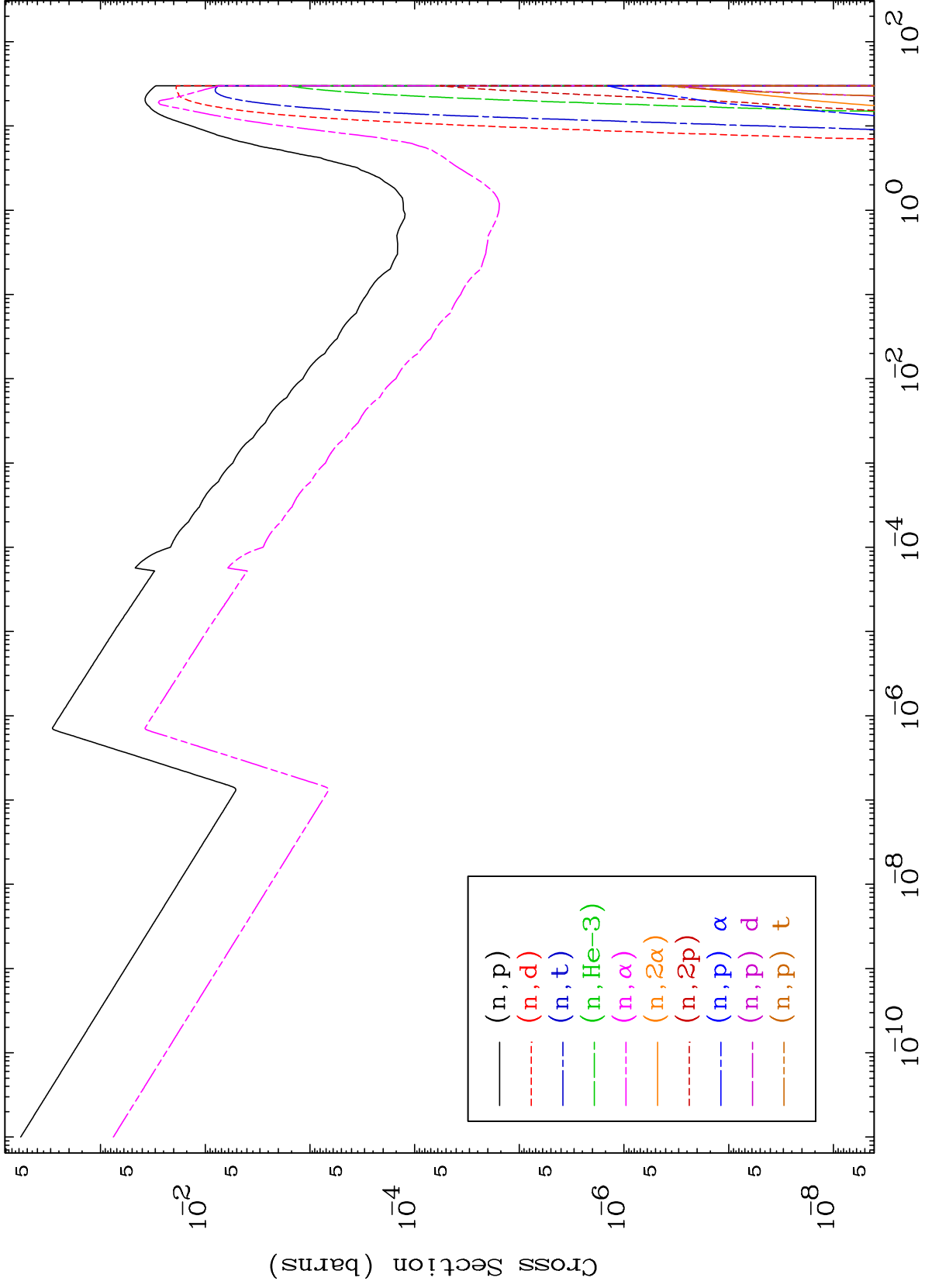
71-Lu-170



MAT 7110

Charged Particle
293 Kelvin Cross Sections

71-Lu-170



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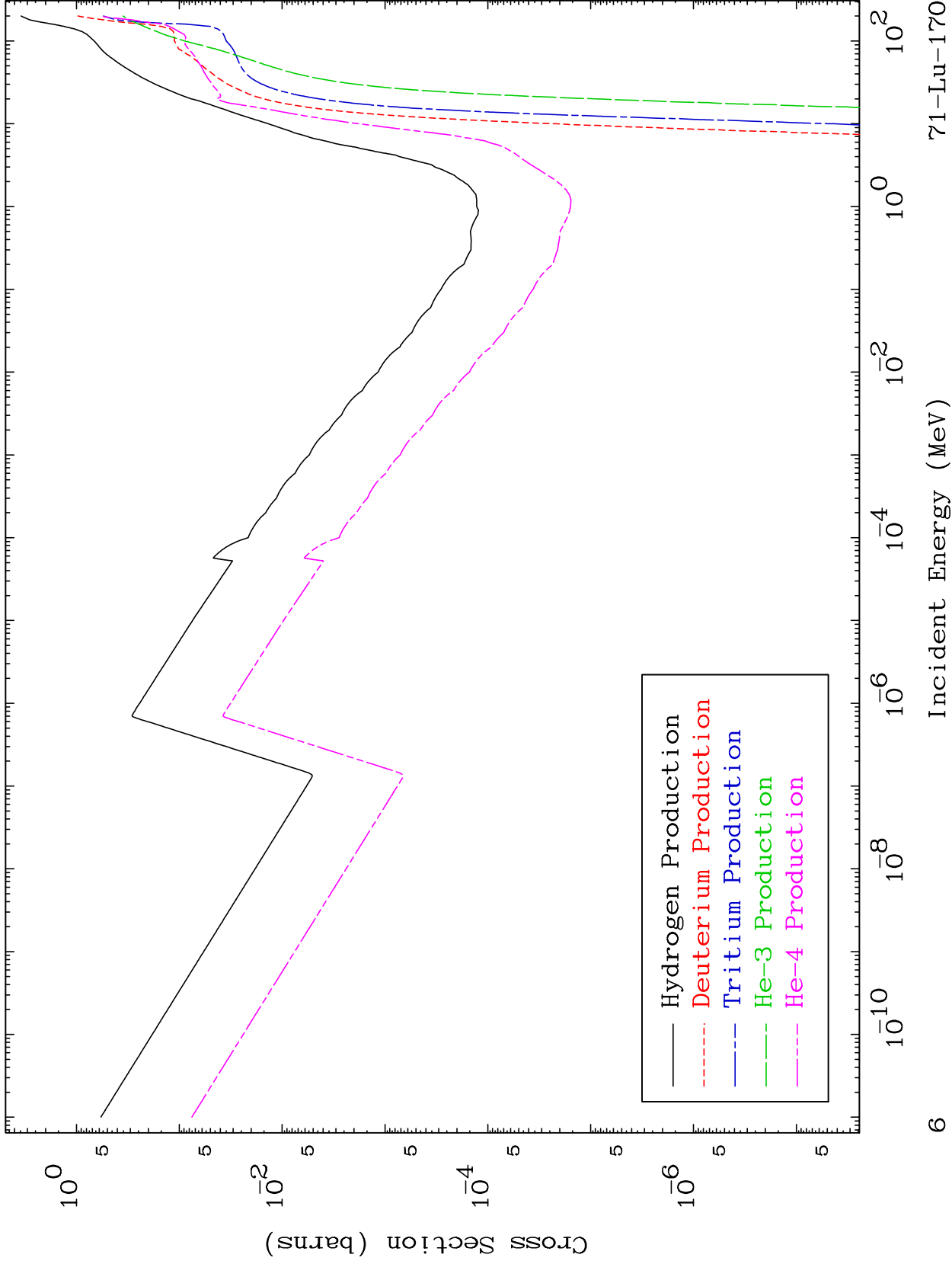
Incident Energy (MeV)

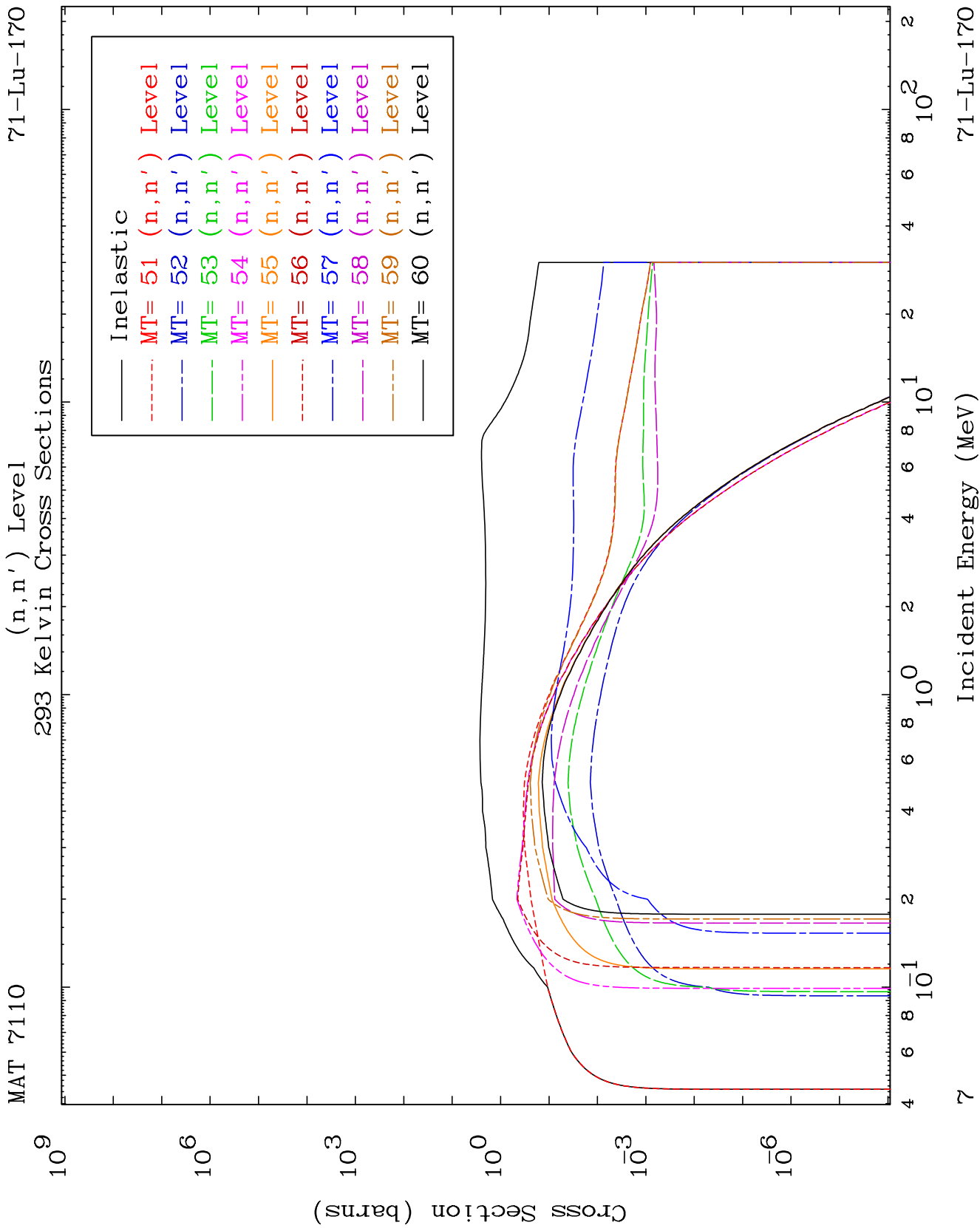
71-Lu-170

MAT 7110

Particle Production
293 Kelvin Cross Sections

71-Lu-170



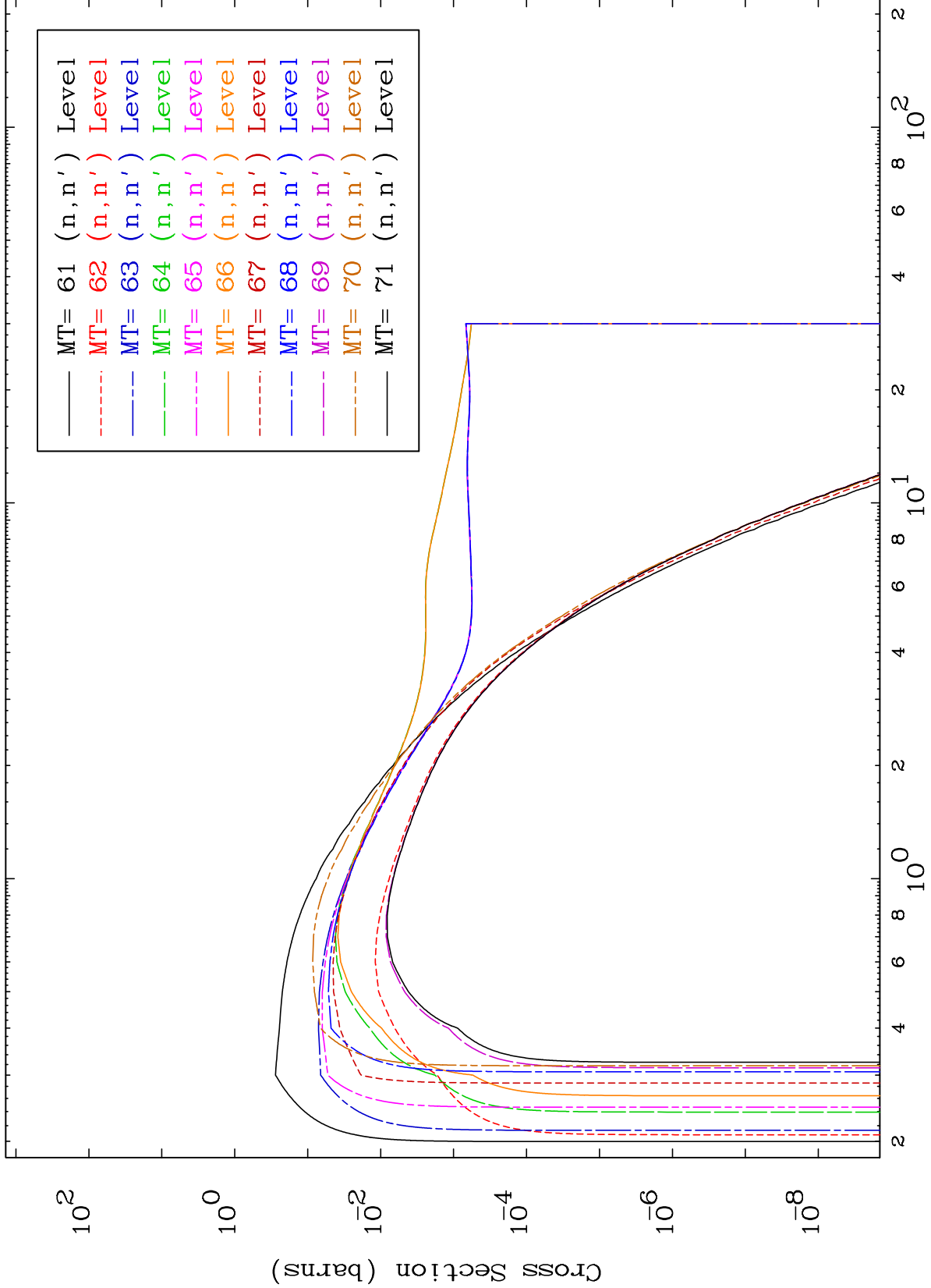


MAT 7110

(n,n') Level

293 Kelvin Cross Sections

71-Lu-170

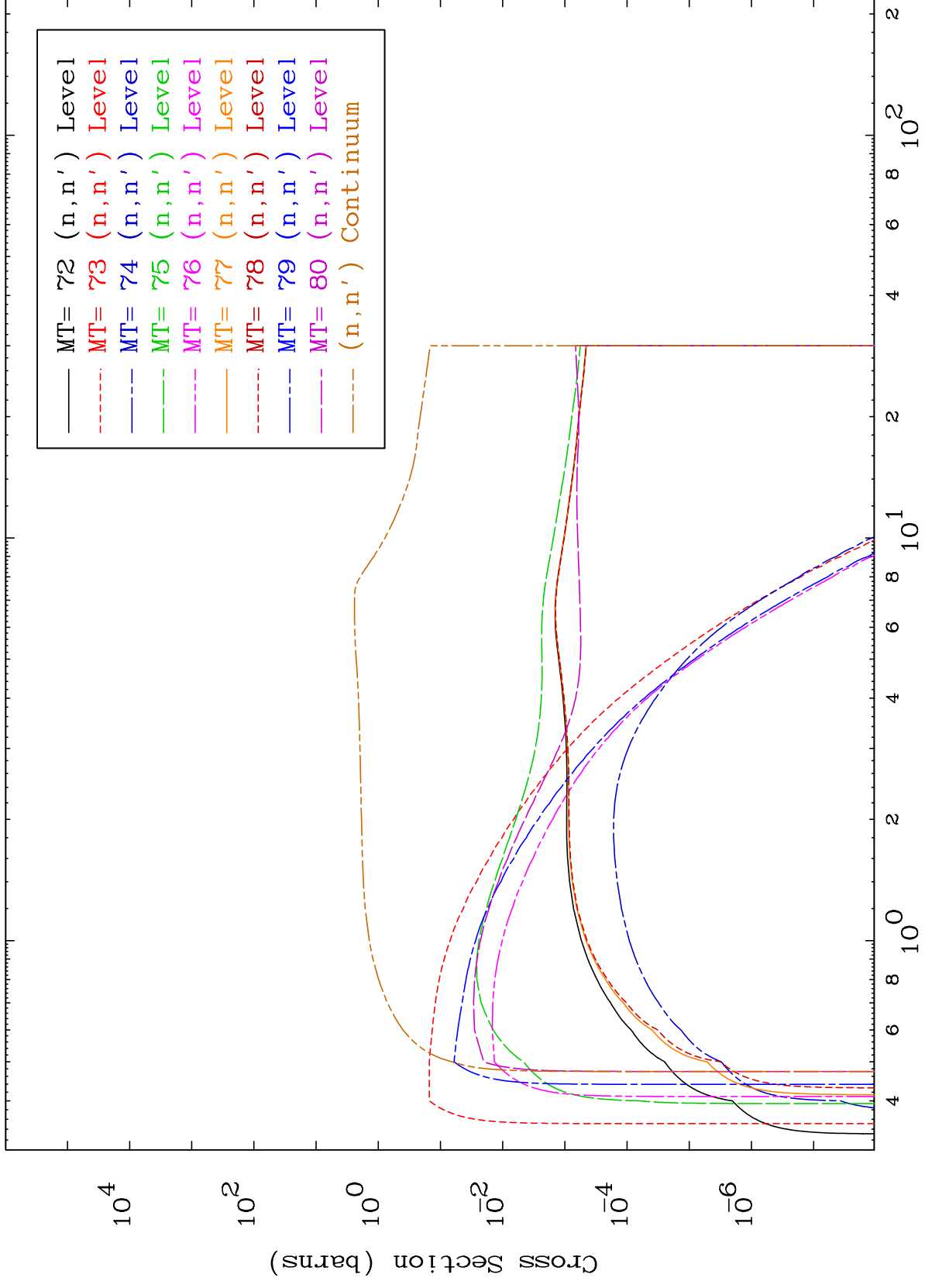


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Incident Energy (MeV)

71-Lu-170

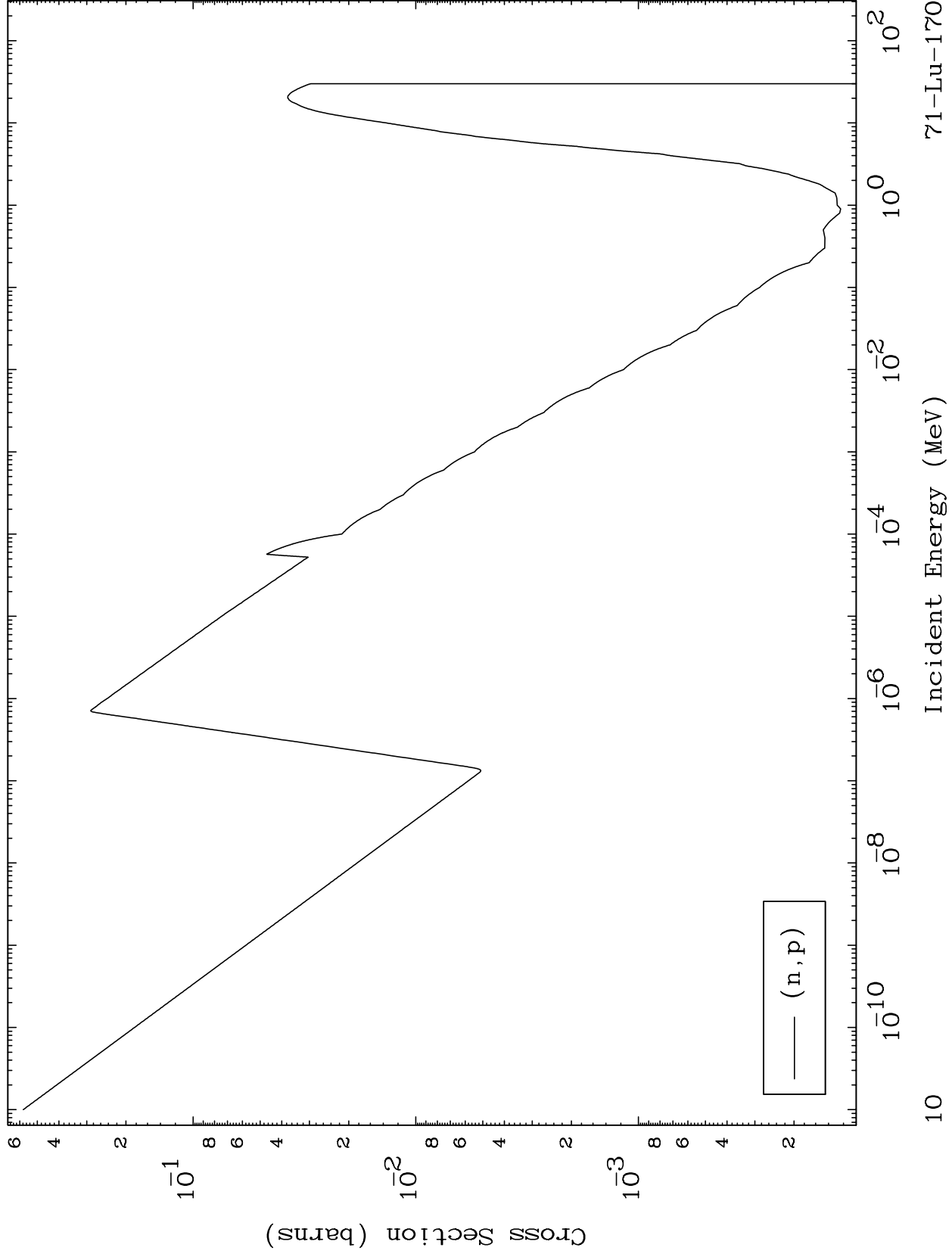
293 Kelvin Cross Sections



MAT 7110

(n,p) Levels
293 Kelvin Cross Sections

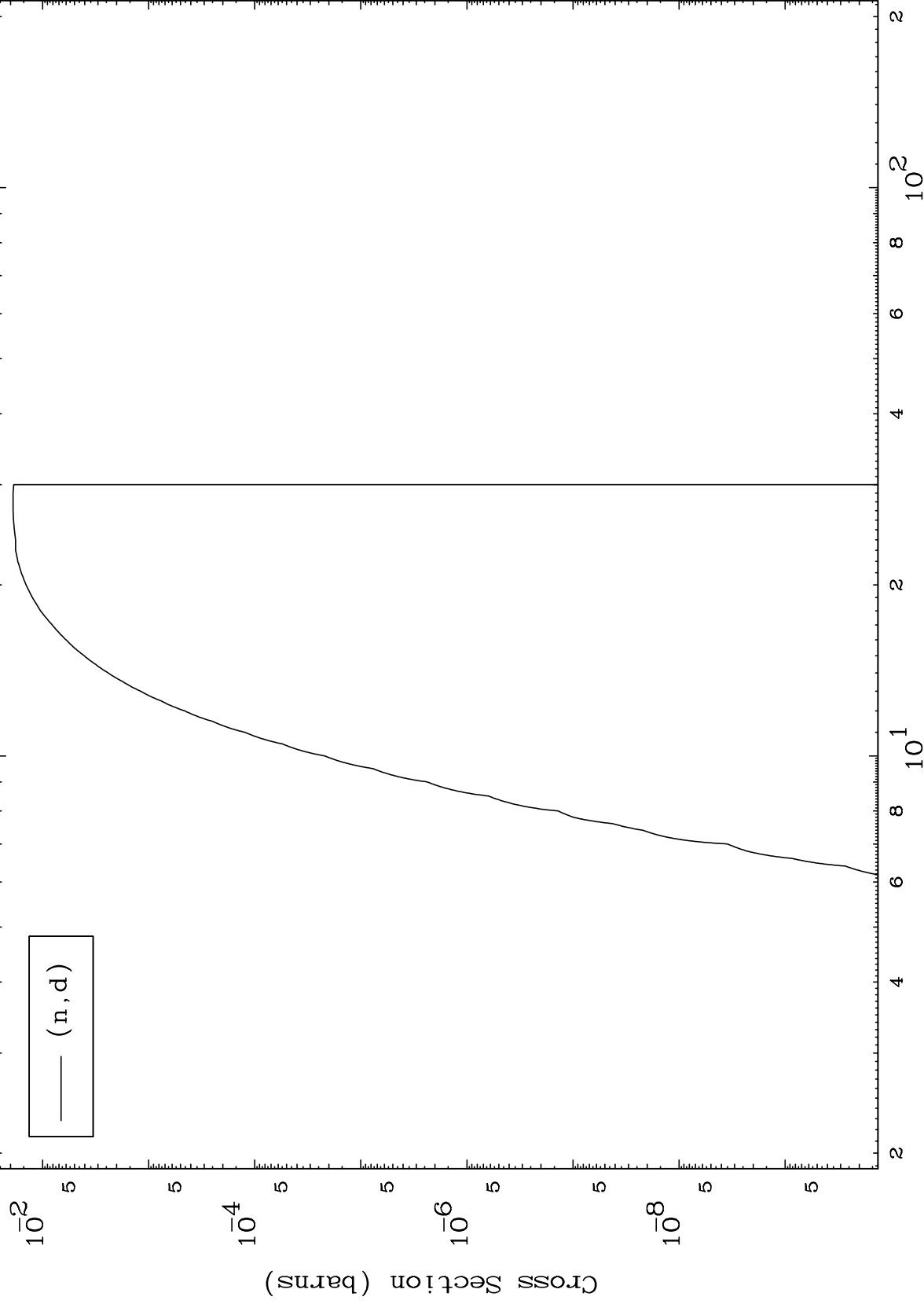
71-Lu-170



MAT 7110

(n,d) Levels
293 Kelvin Cross Sections

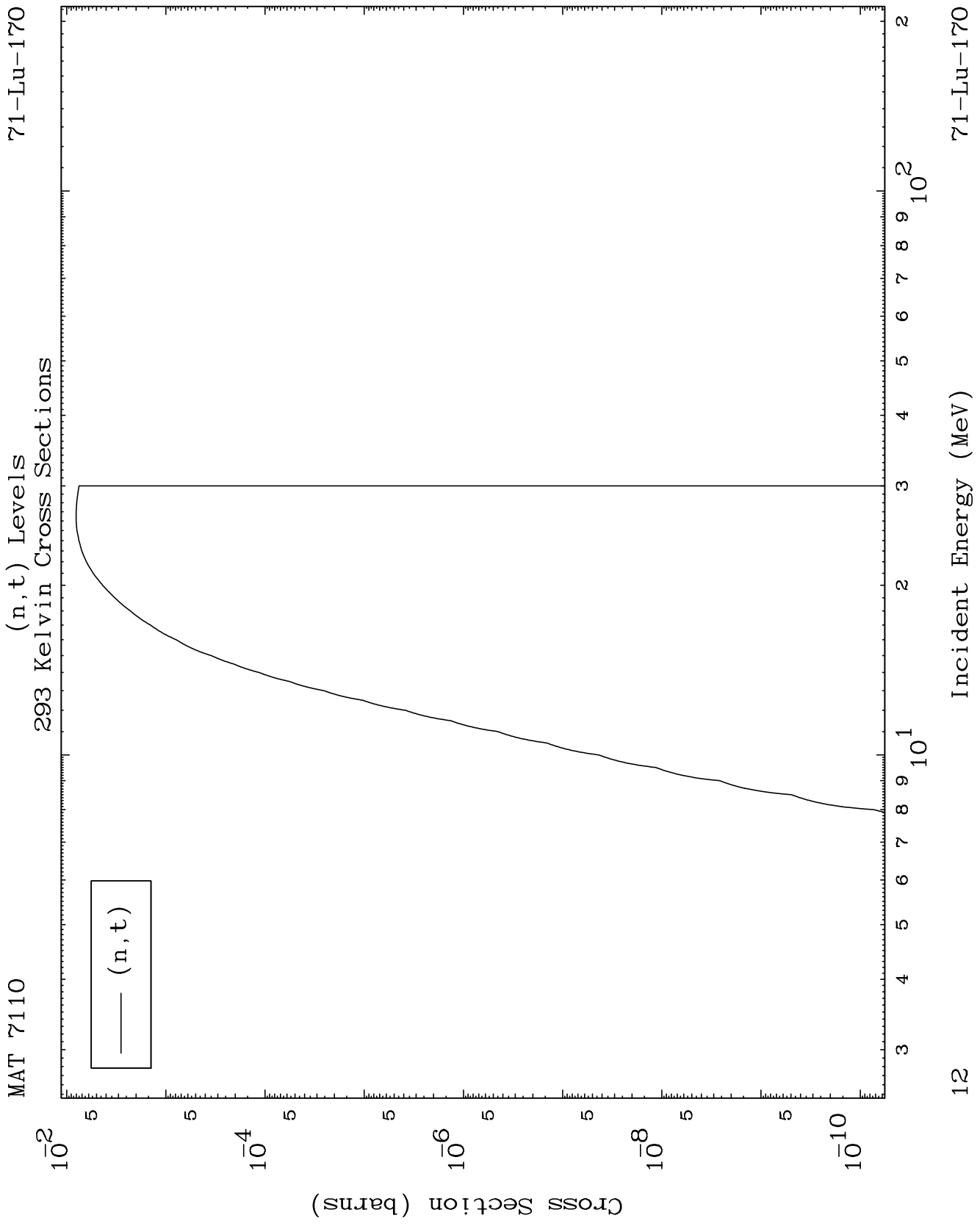
71-Lu-170



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Incident Energy (MeV)

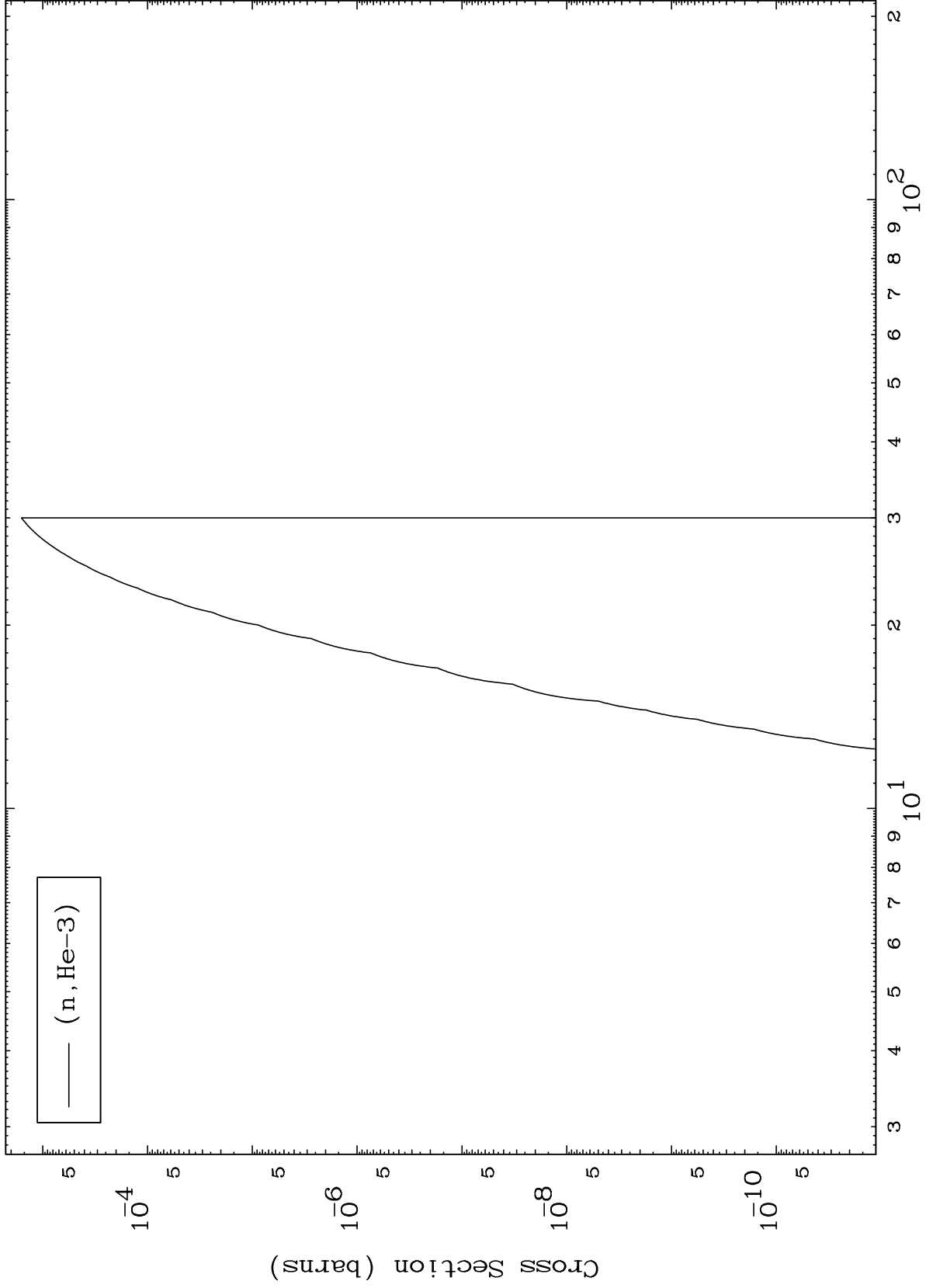
71-Lu-170



MAT 7110

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-170



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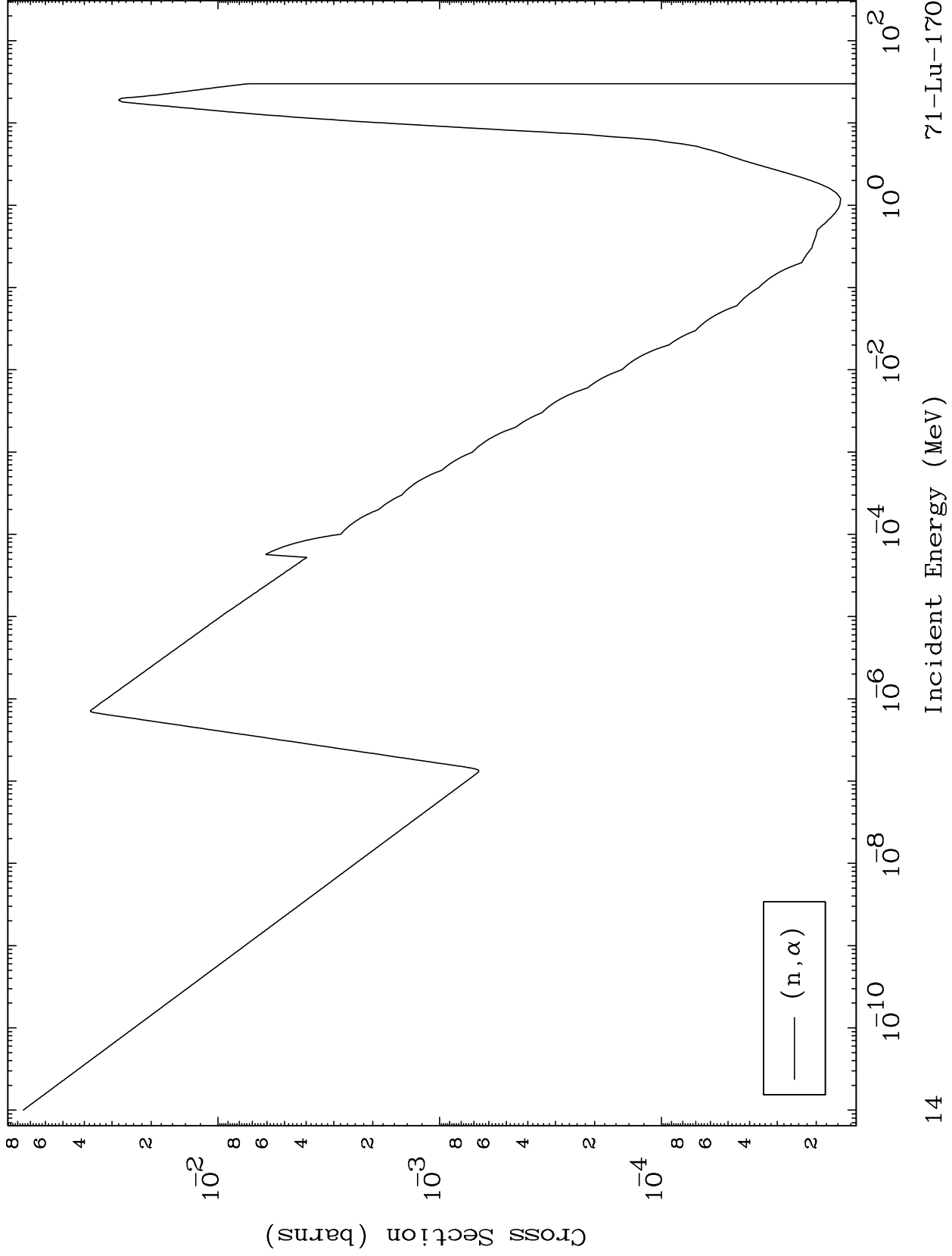
Incident Energy (MeV)

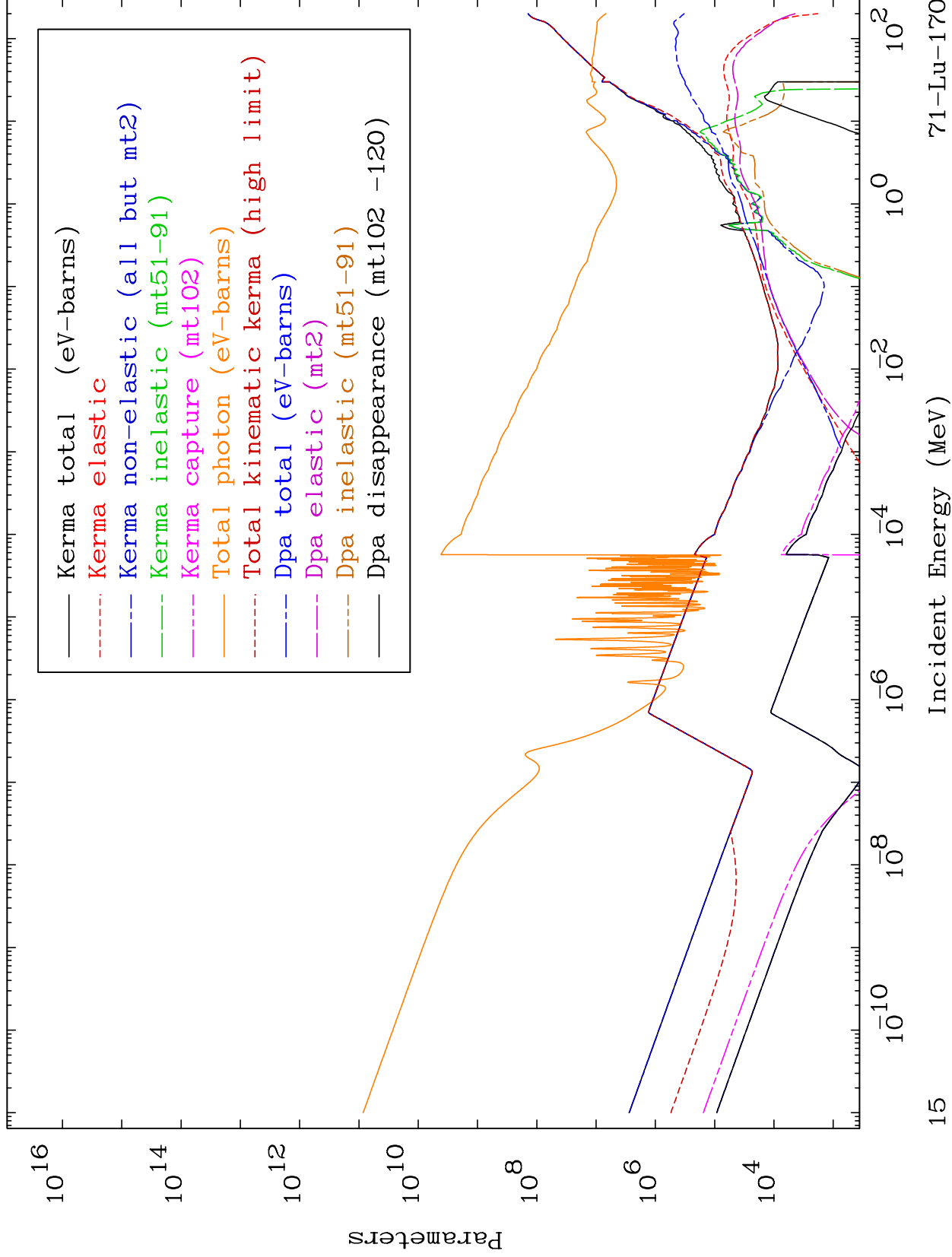
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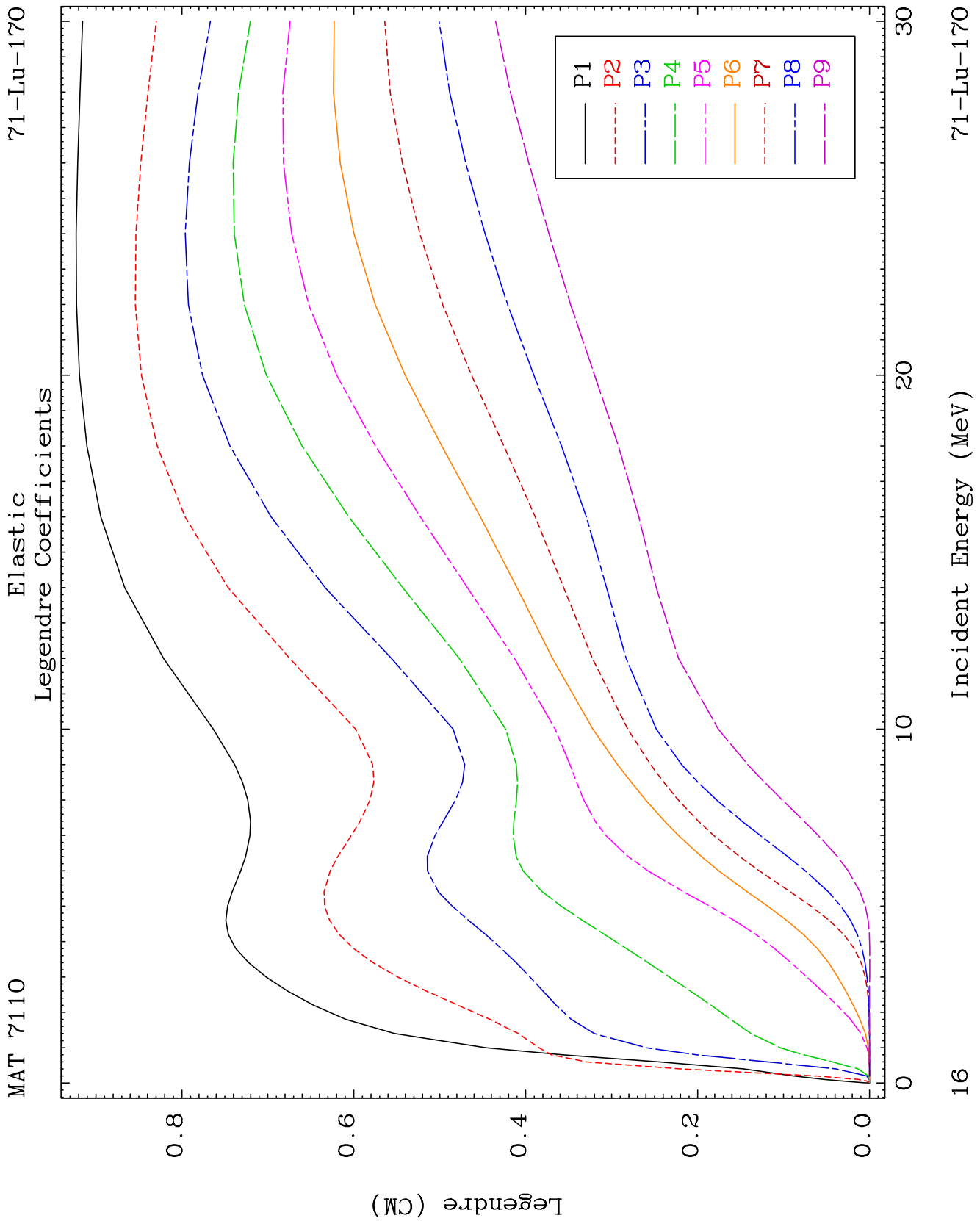
MAT 7110

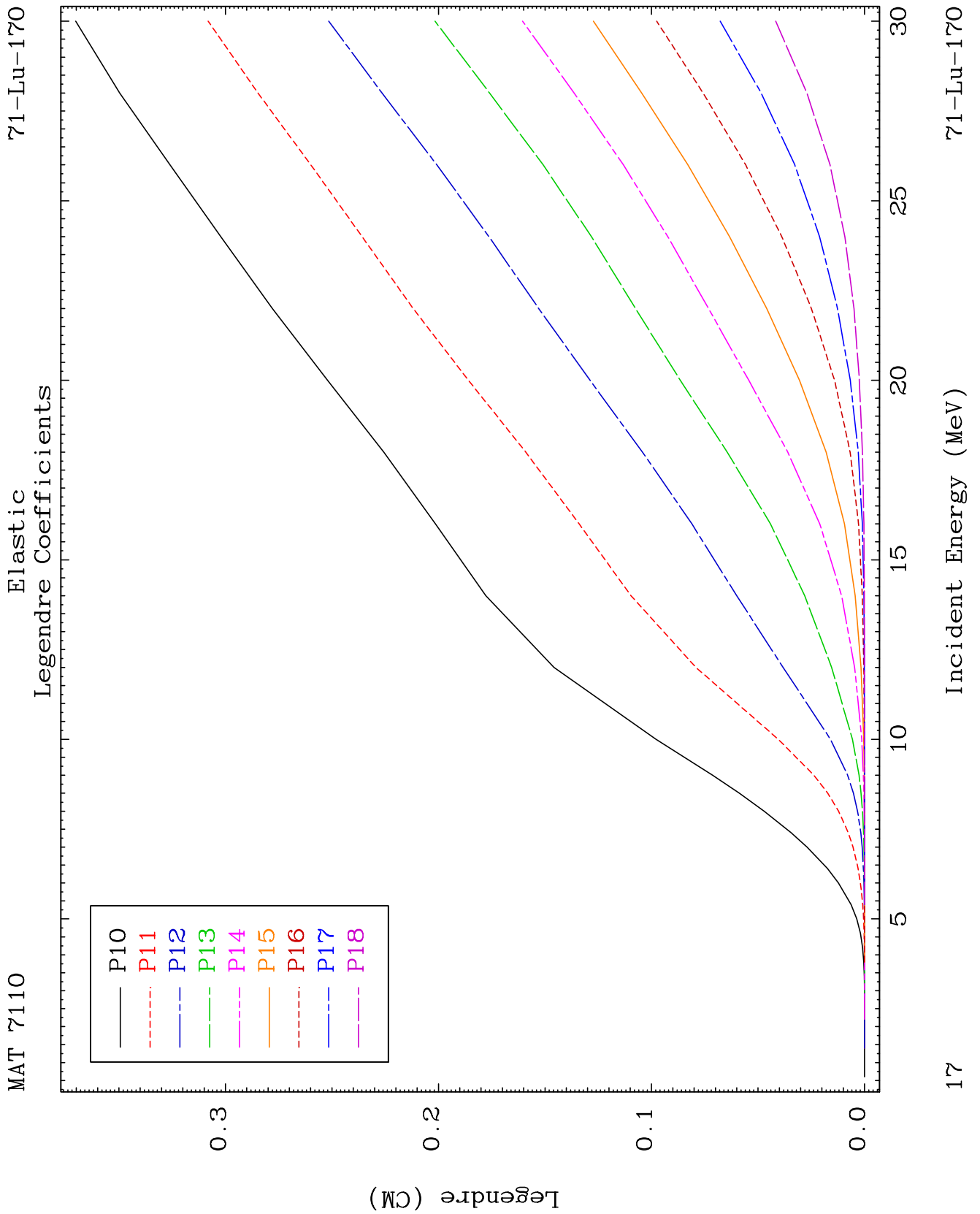
(n, α) Levels
293 Kelvin Cross Sections

71-Lu-170





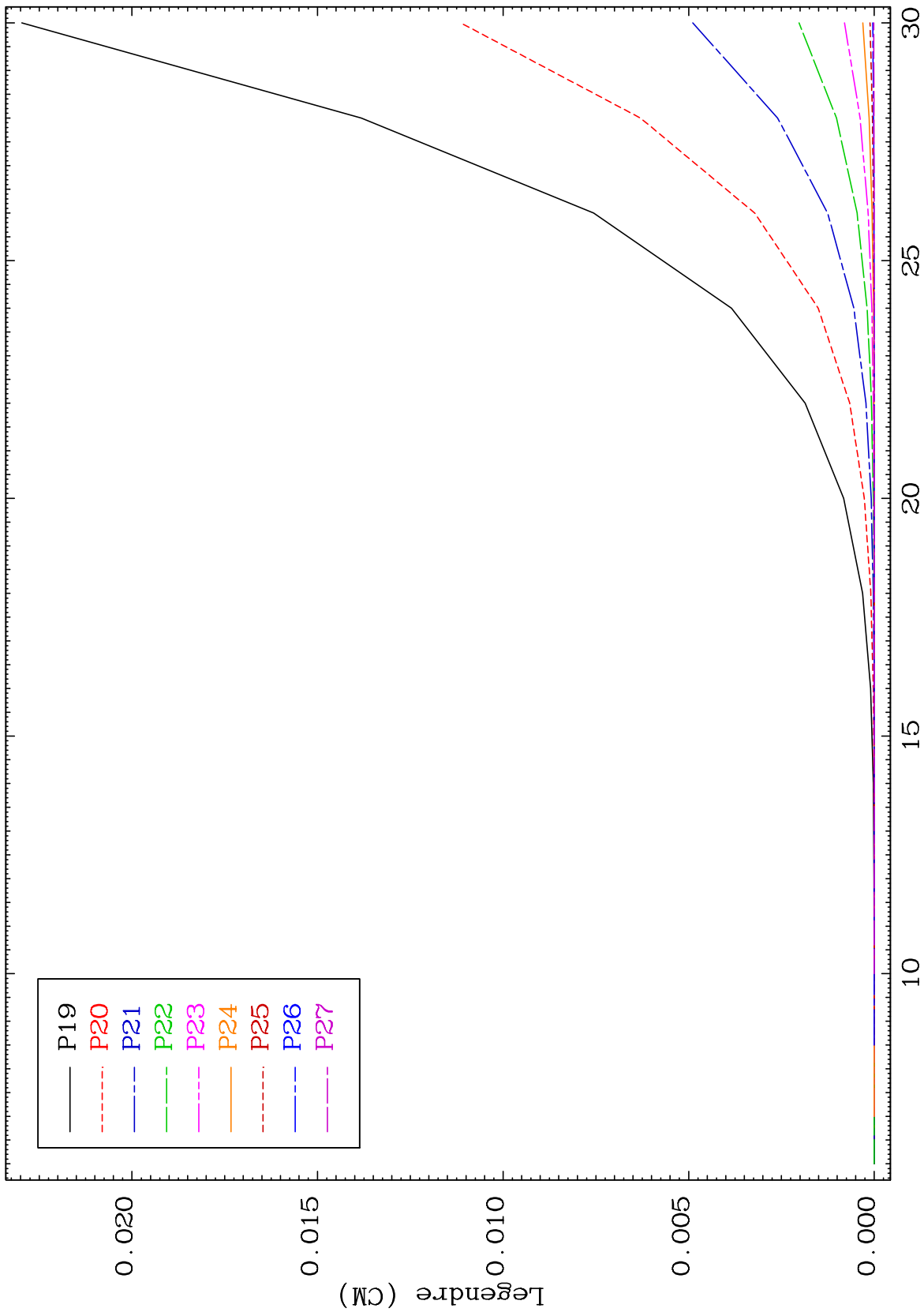




MAT 7110

Elastic
Legendre Coefficients

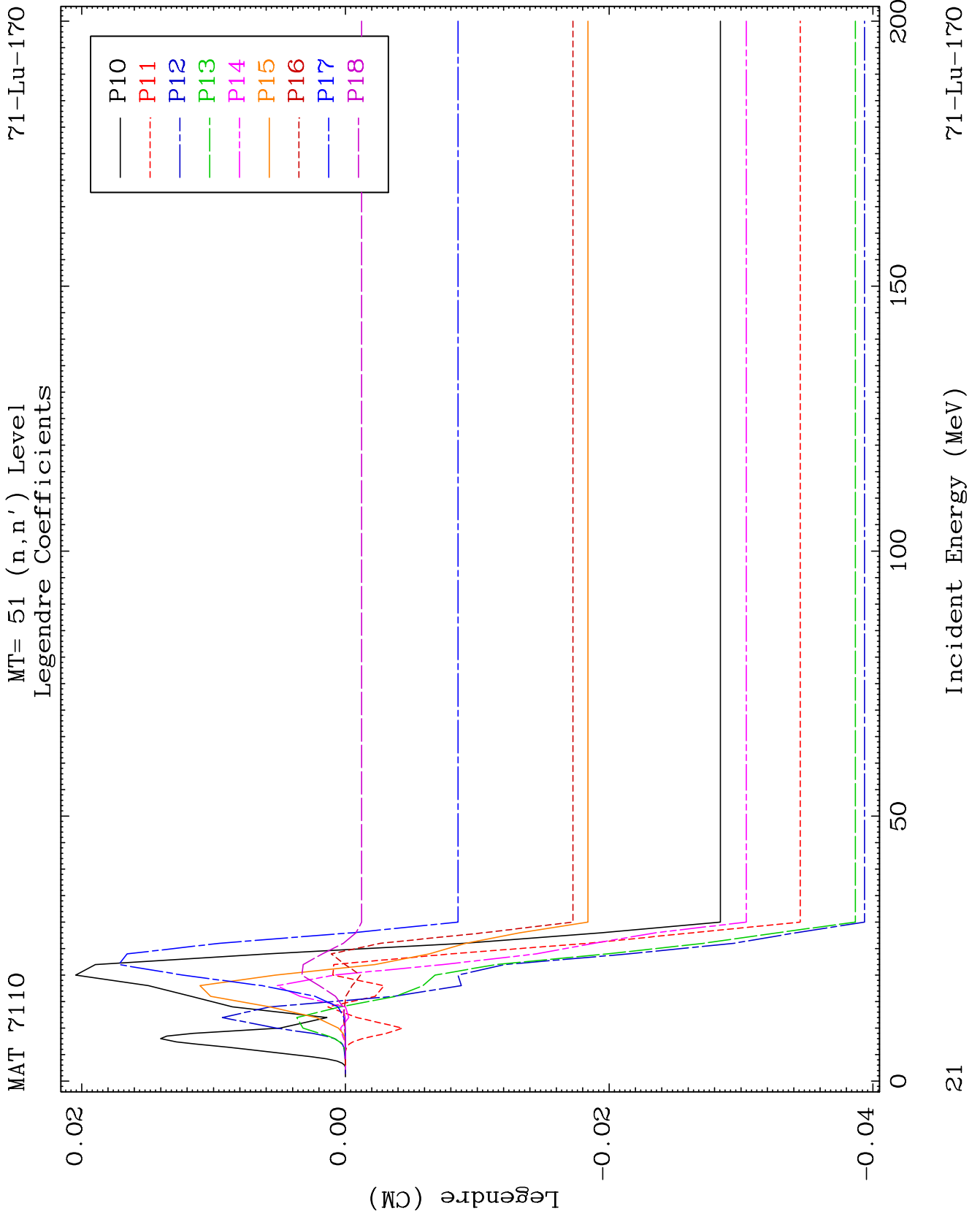
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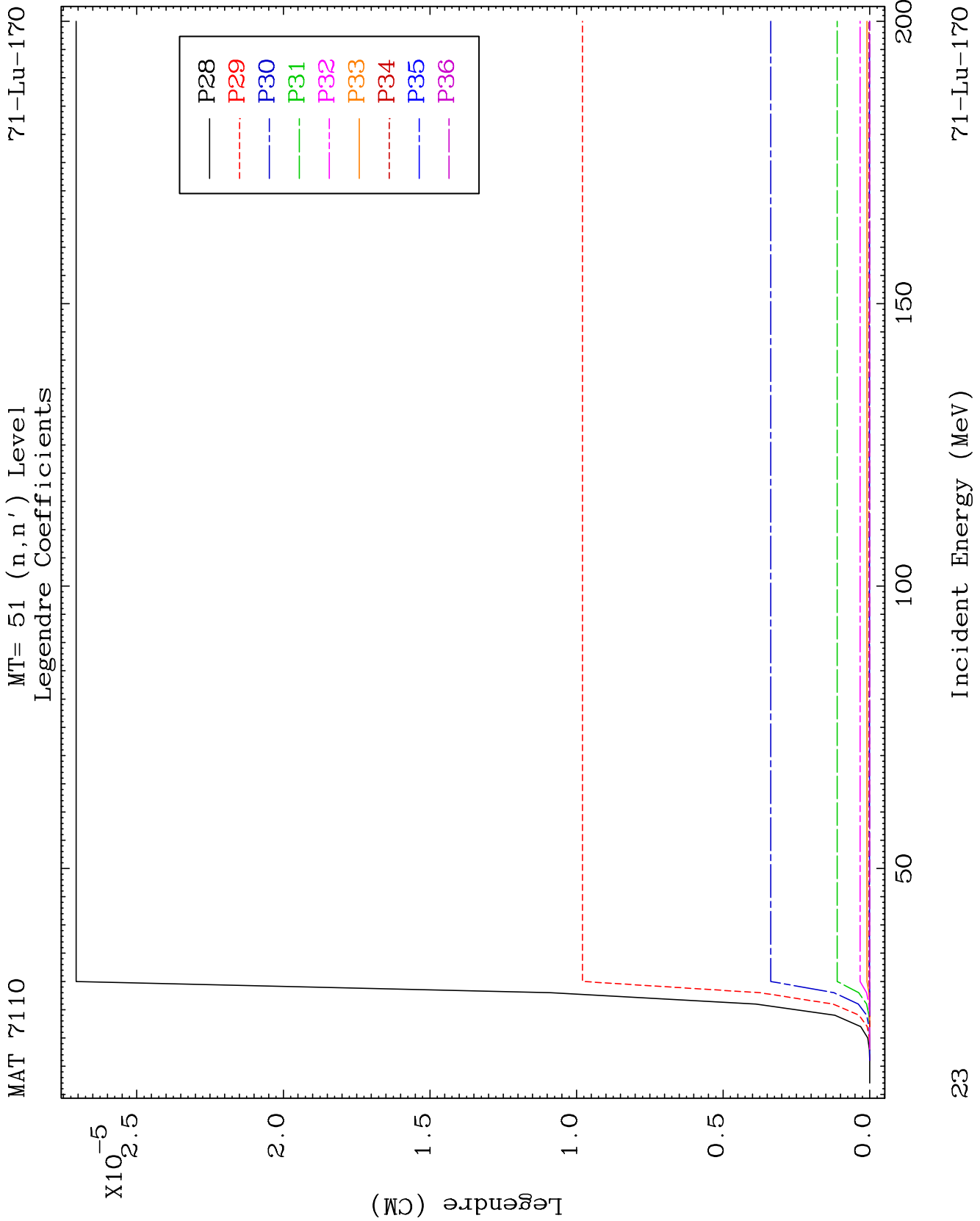


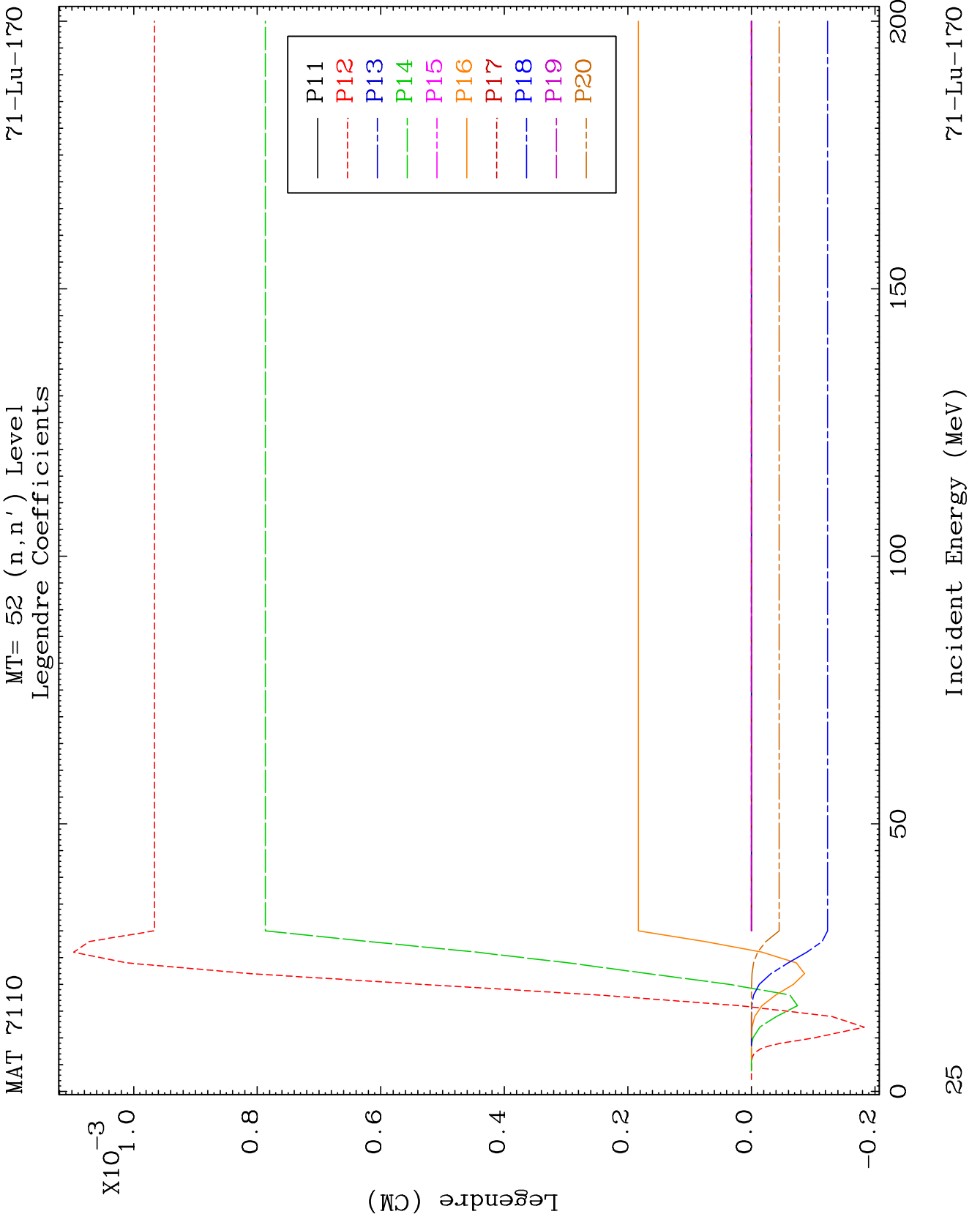
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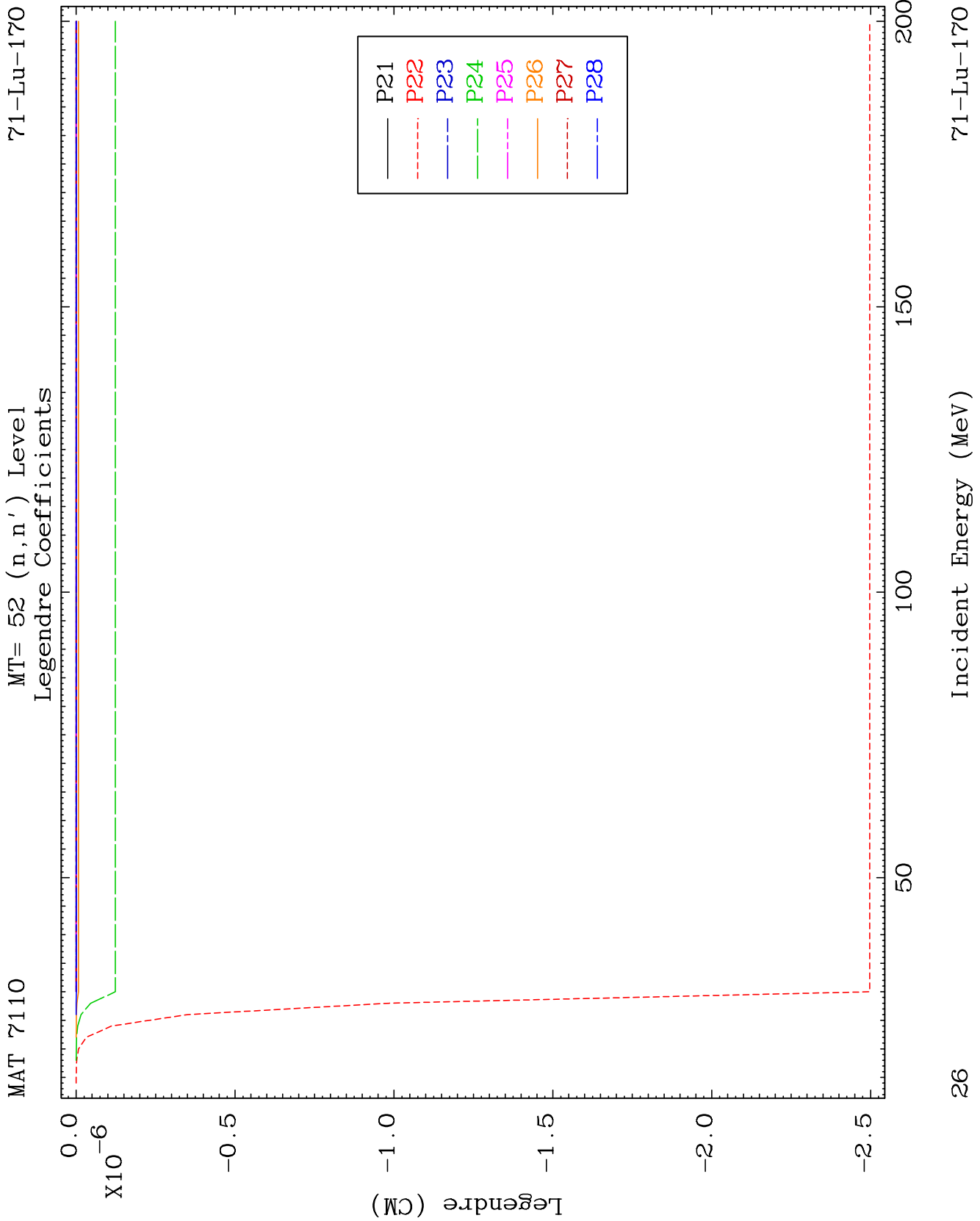
Incident Energy (MeV)

71-Lu-170





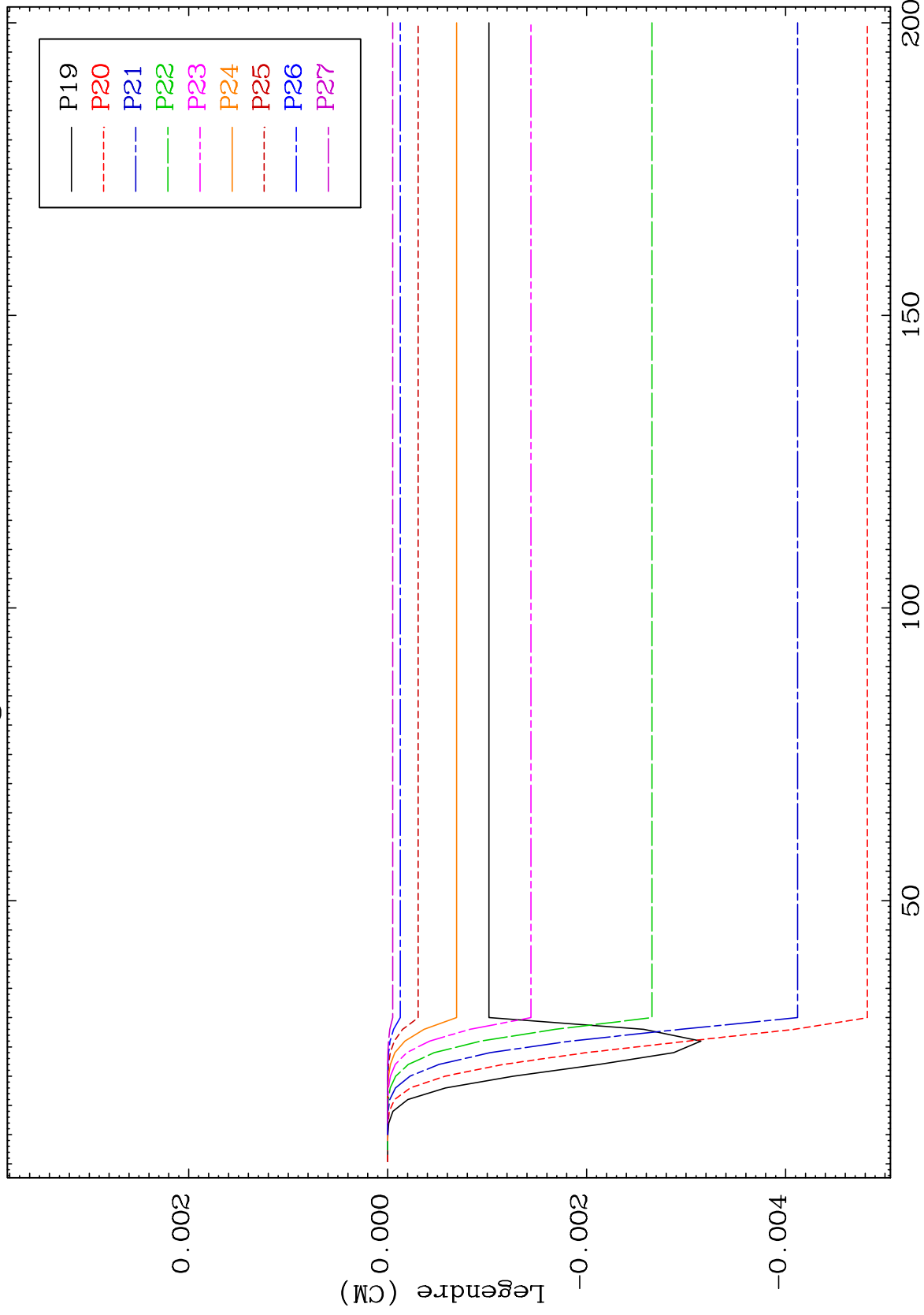




MAT 7110

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

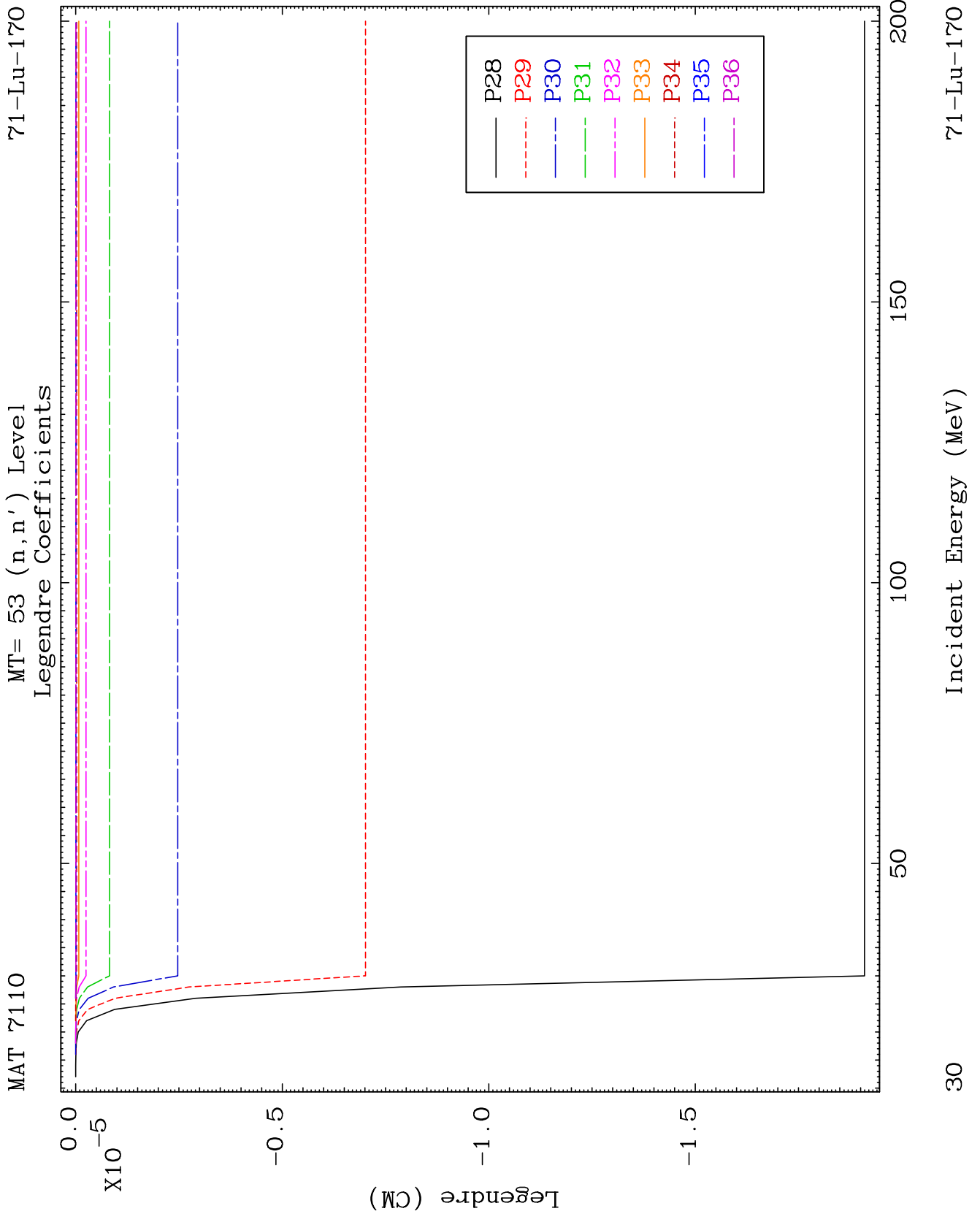
71-Lu-170

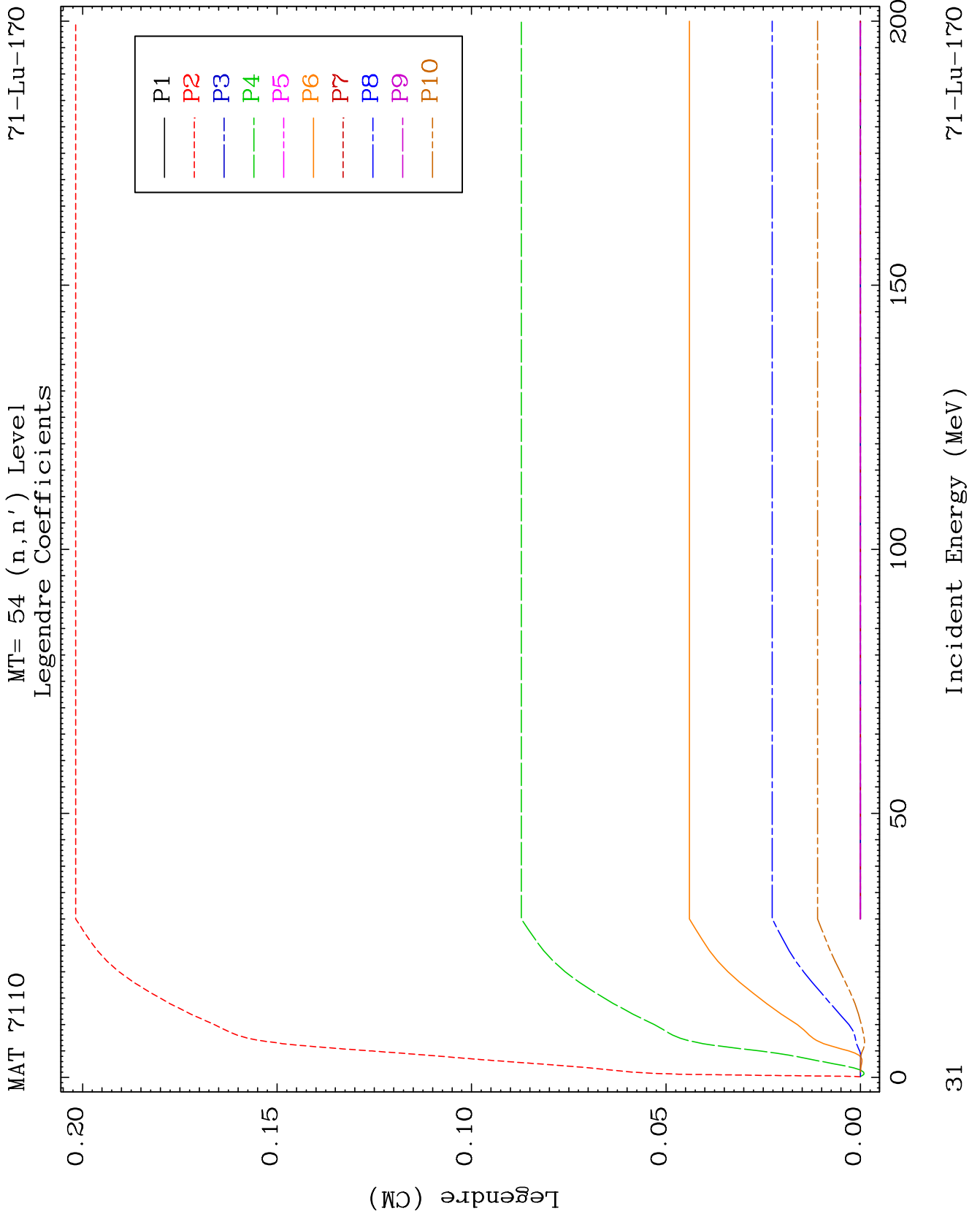


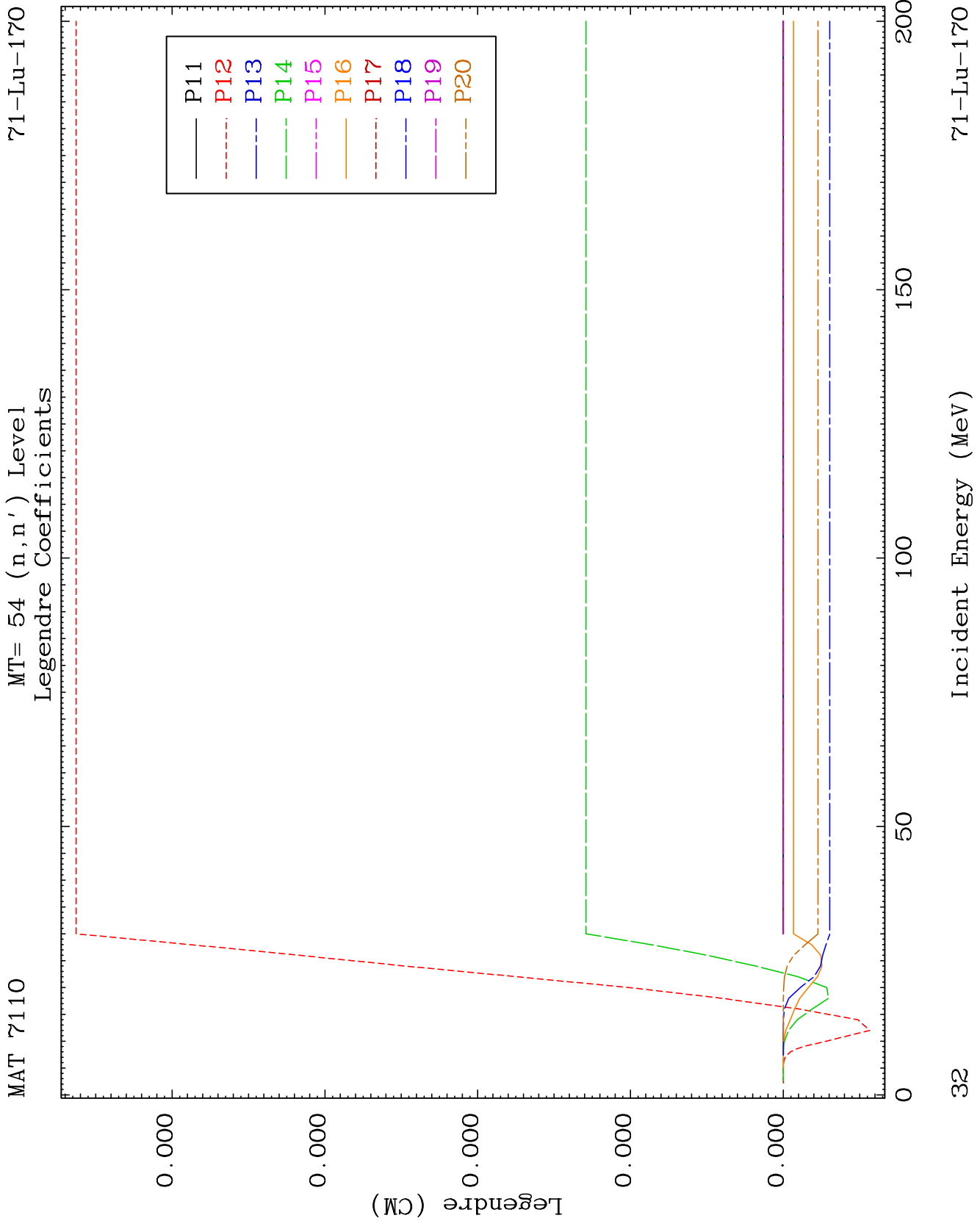
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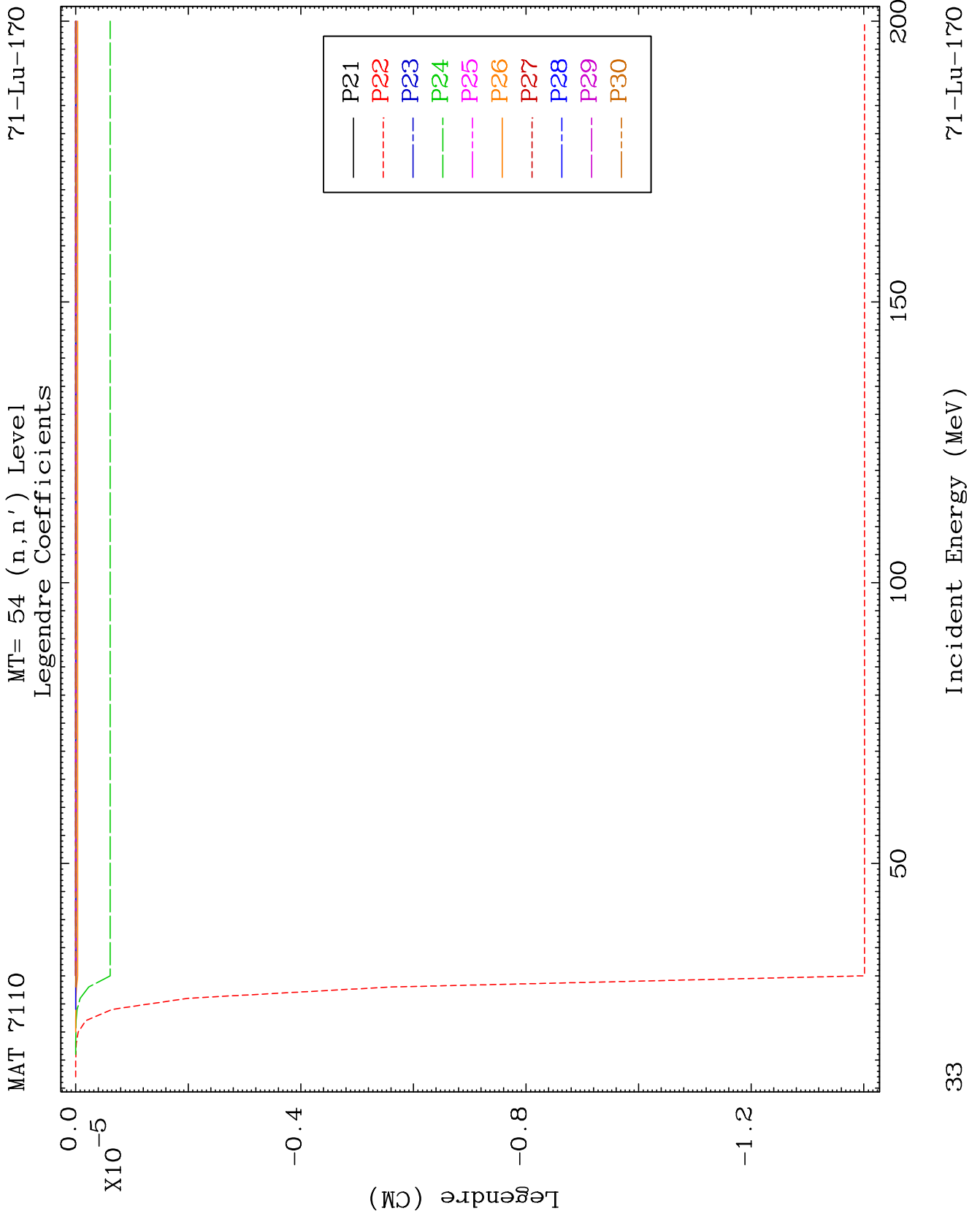
Incident Energy (MeV)

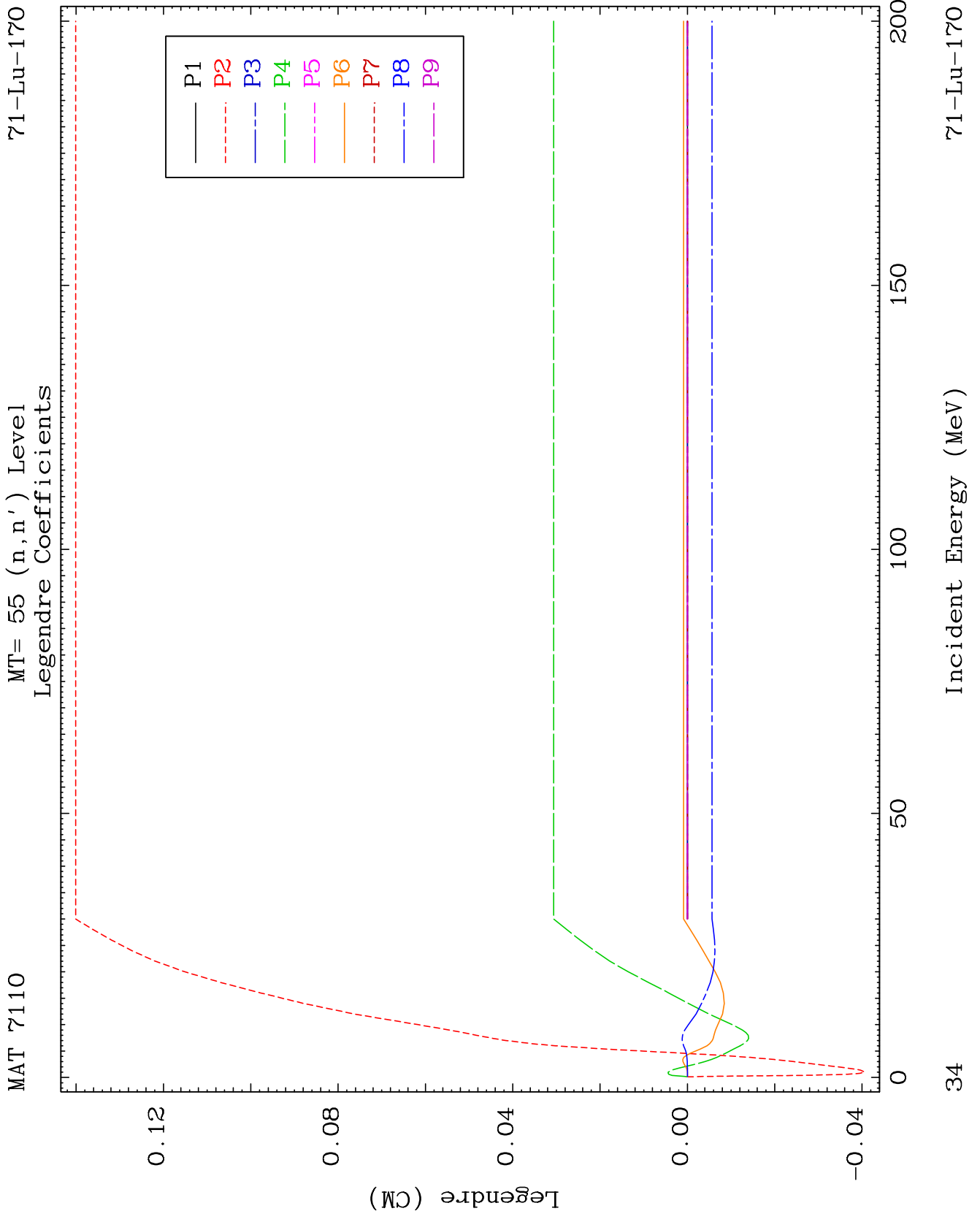
71-Lu-170

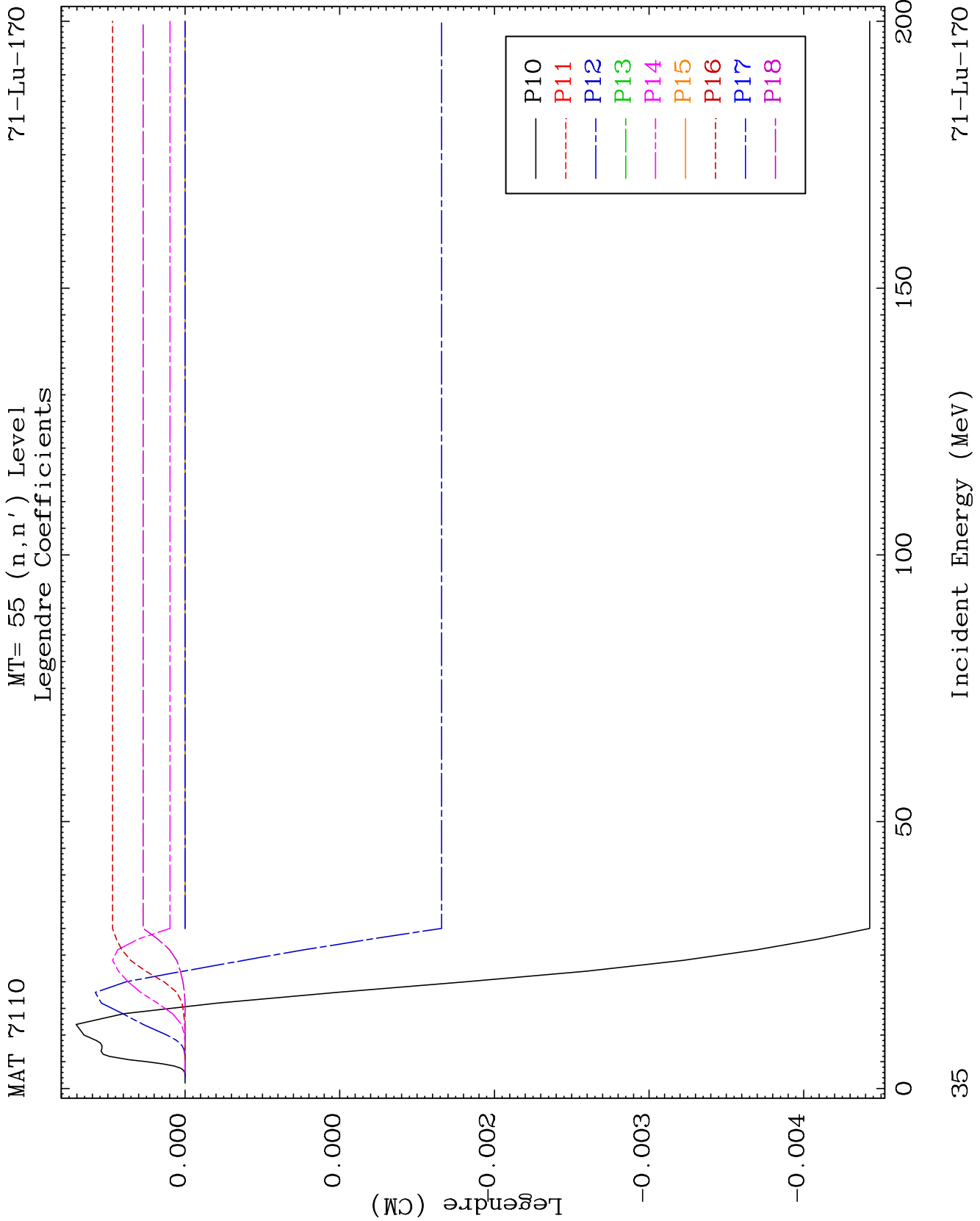


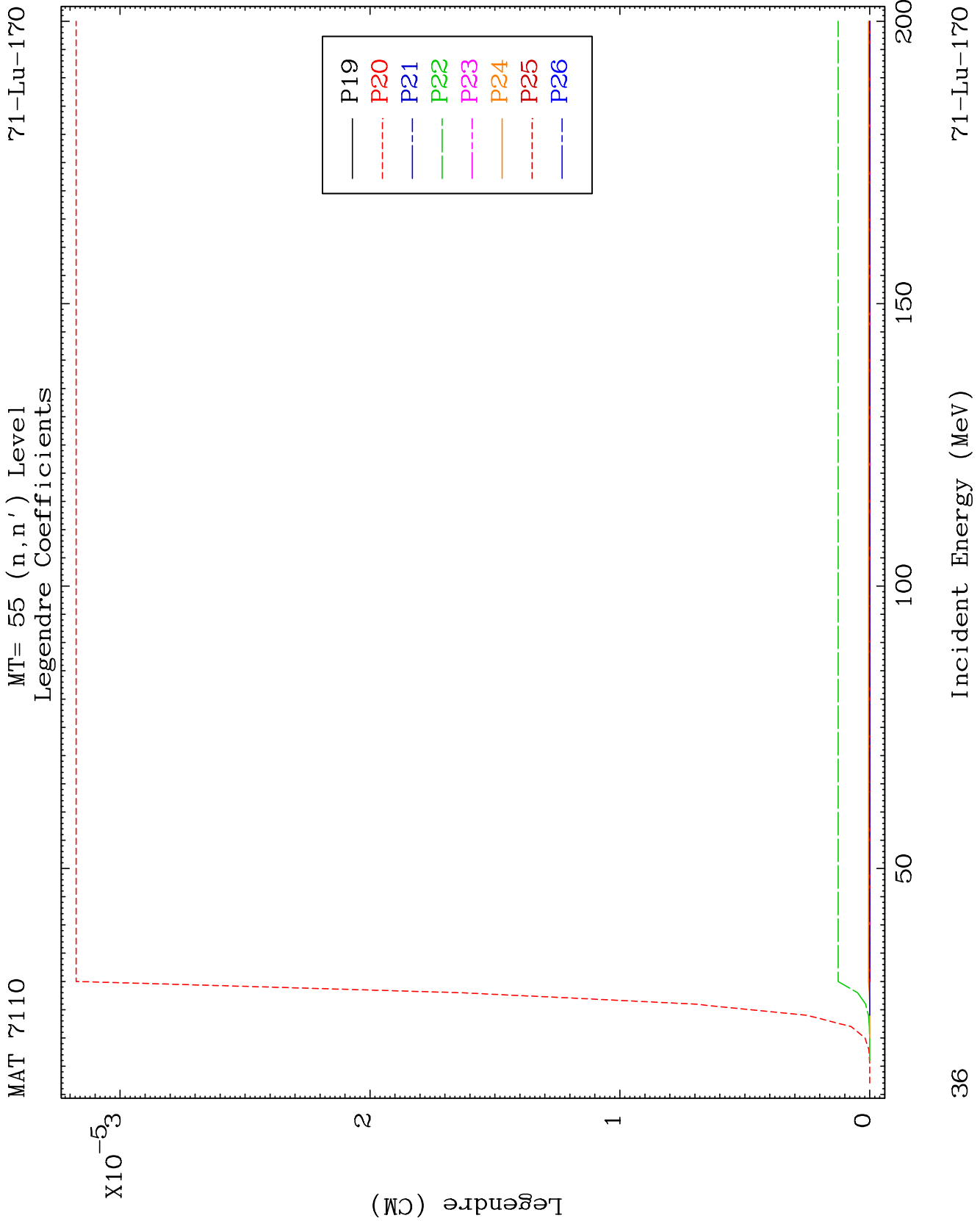


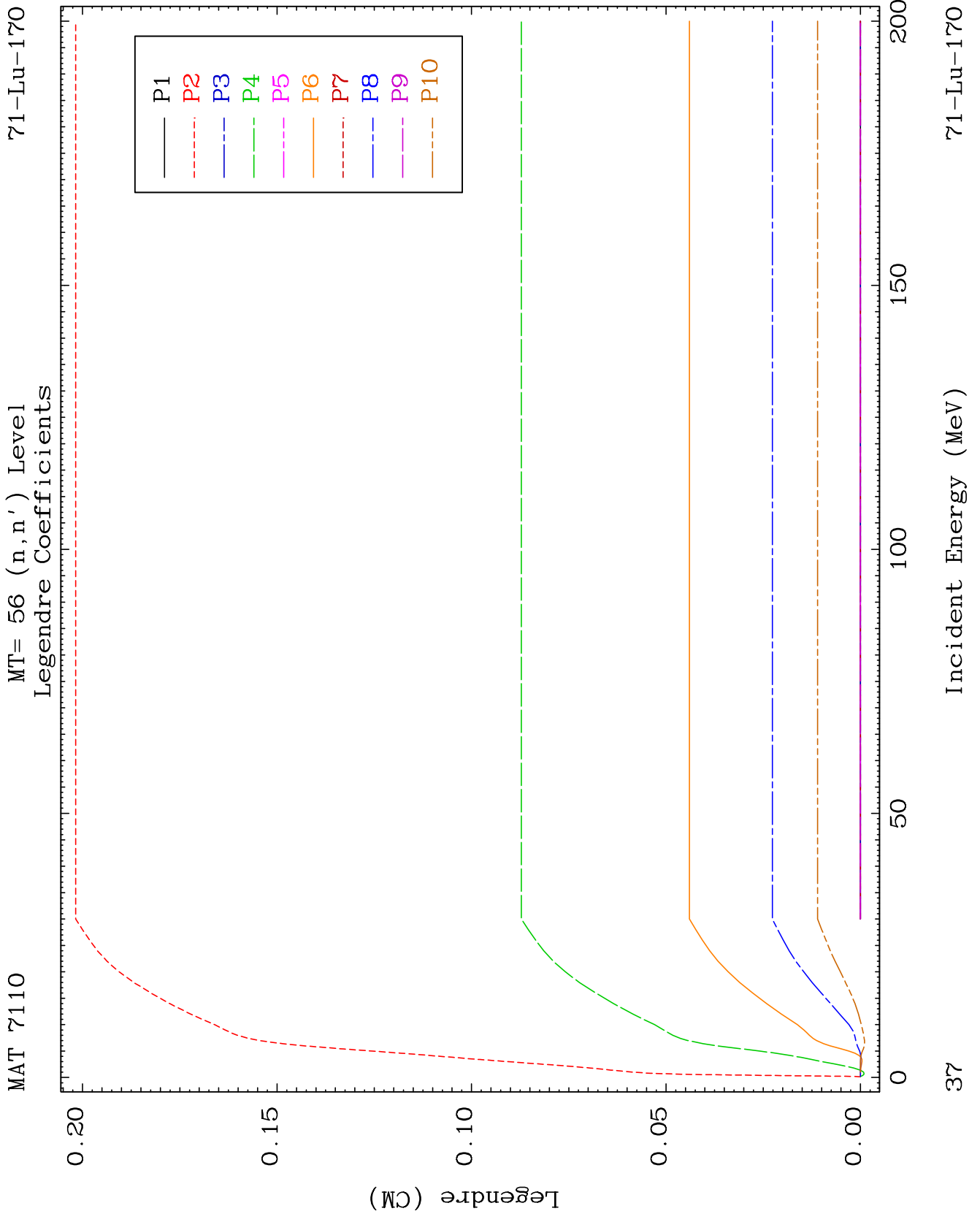








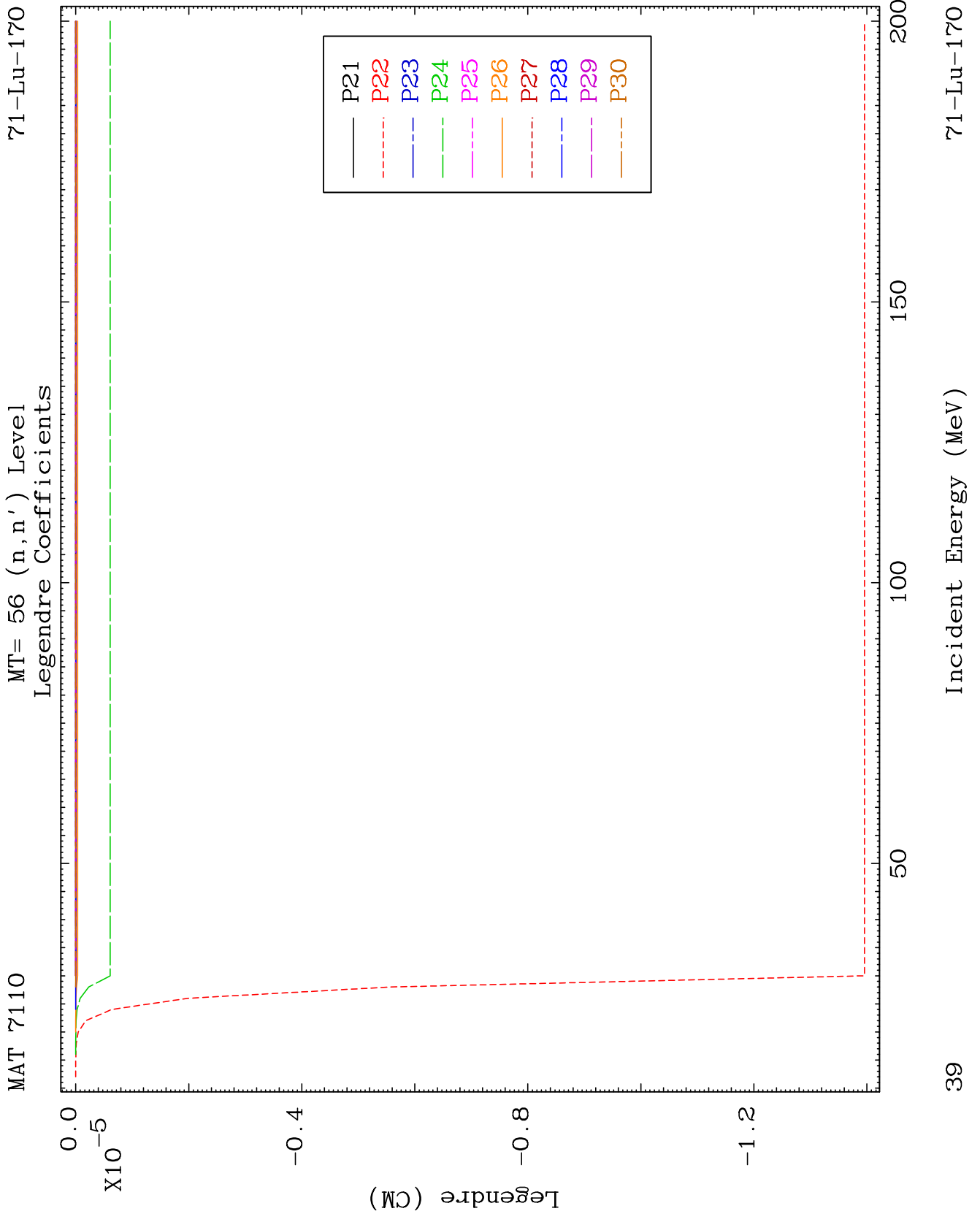


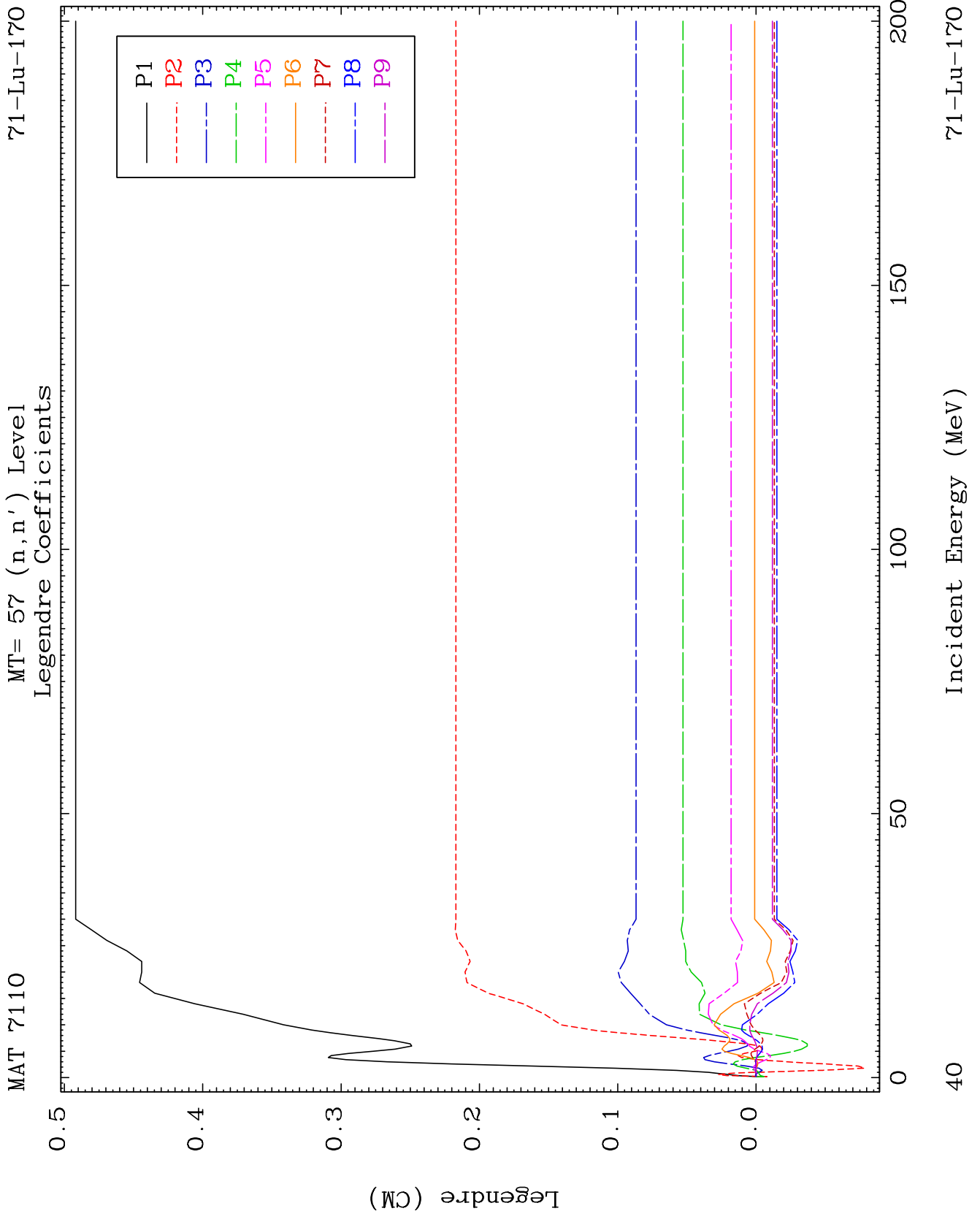


71-Lu-170

Incident Energy (MeV)

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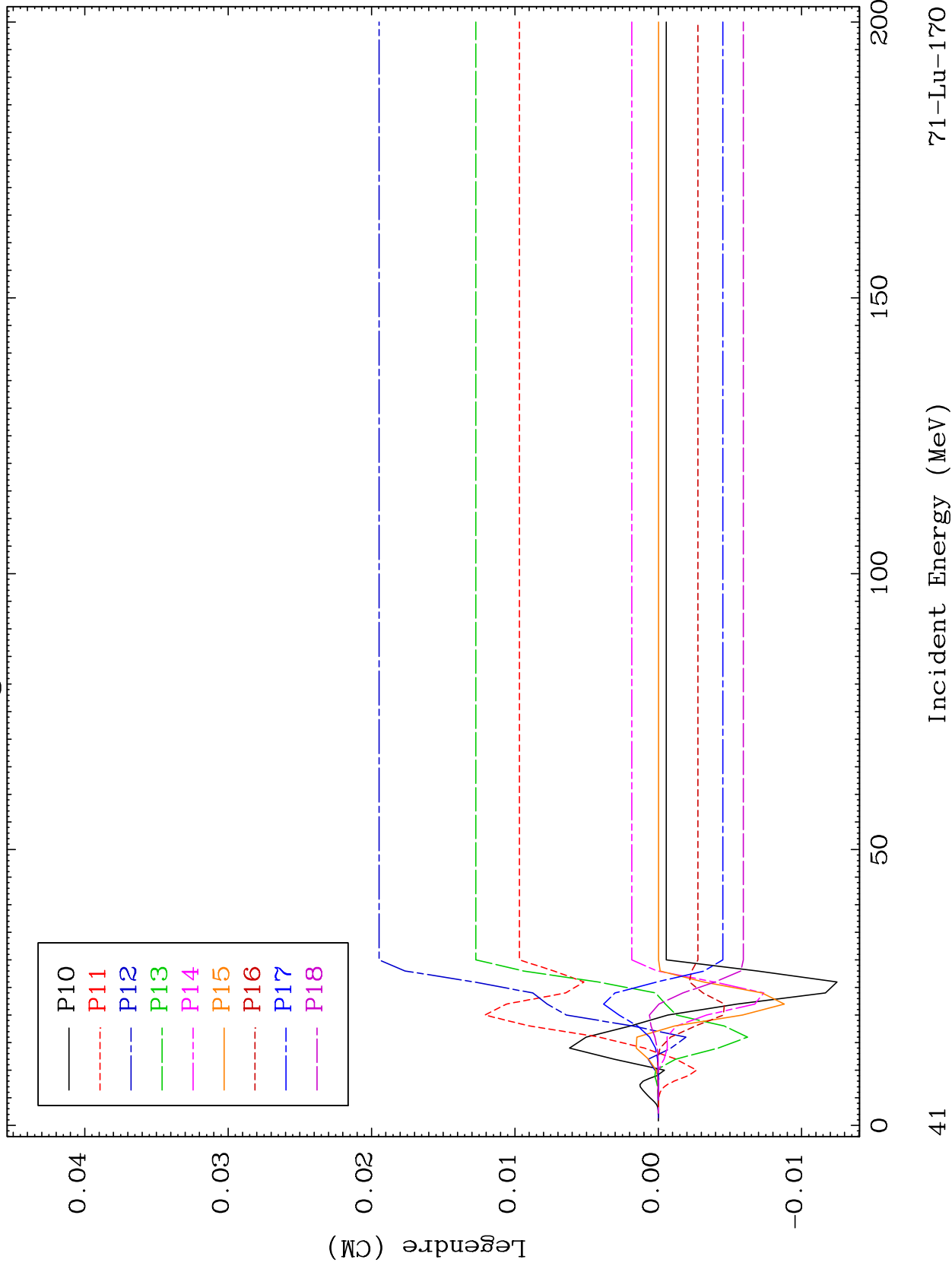




MAT 7110

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

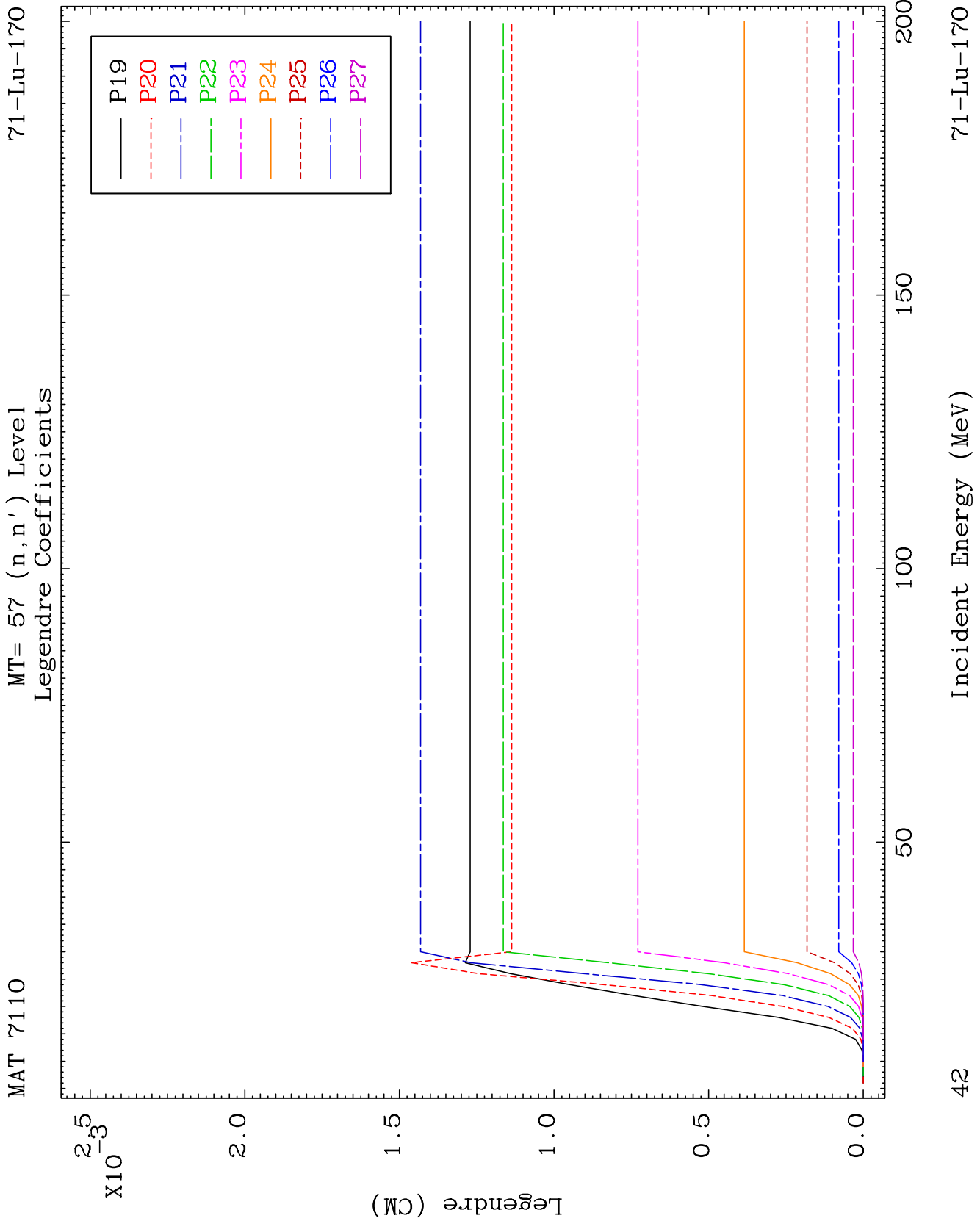
71-Lu-170

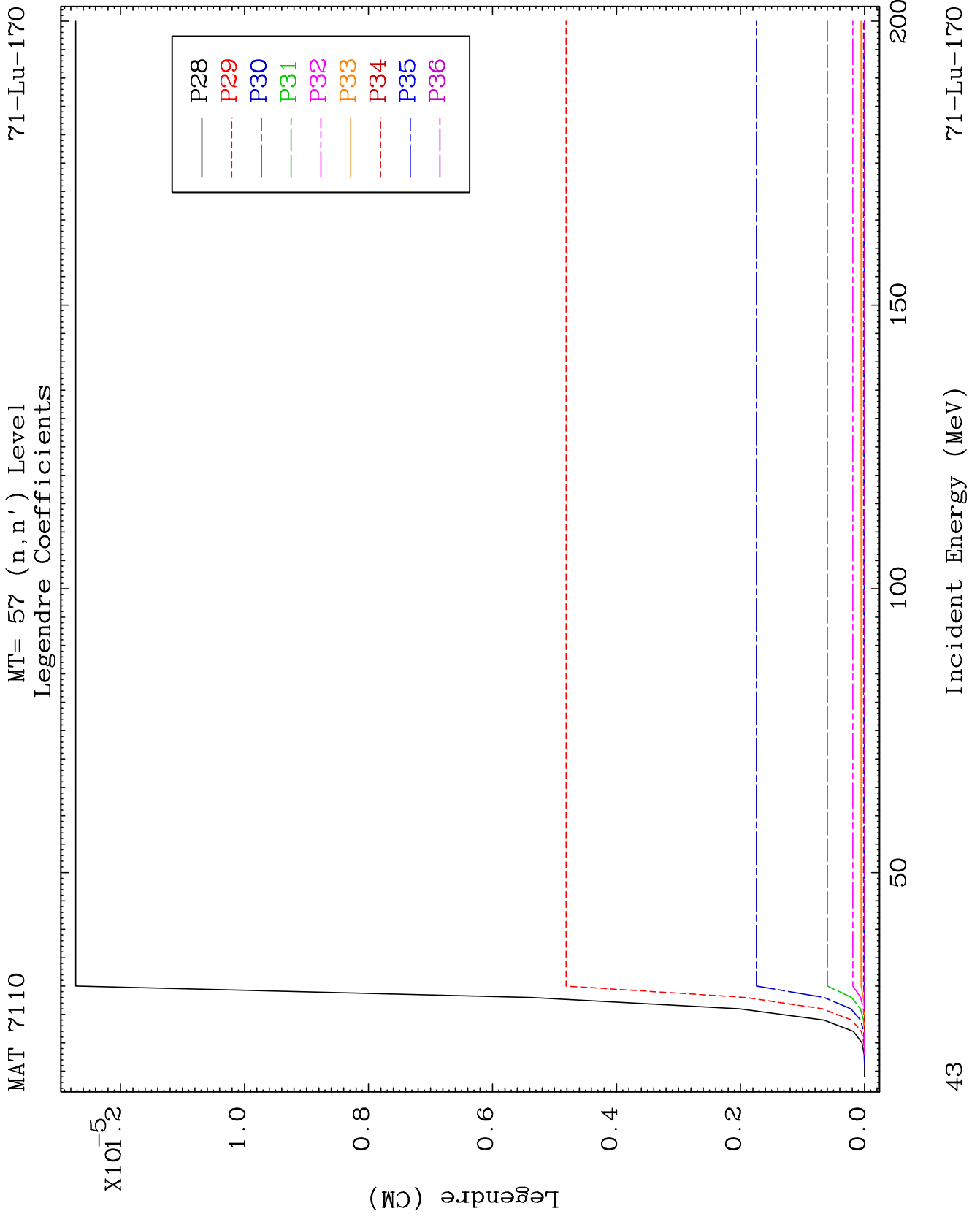


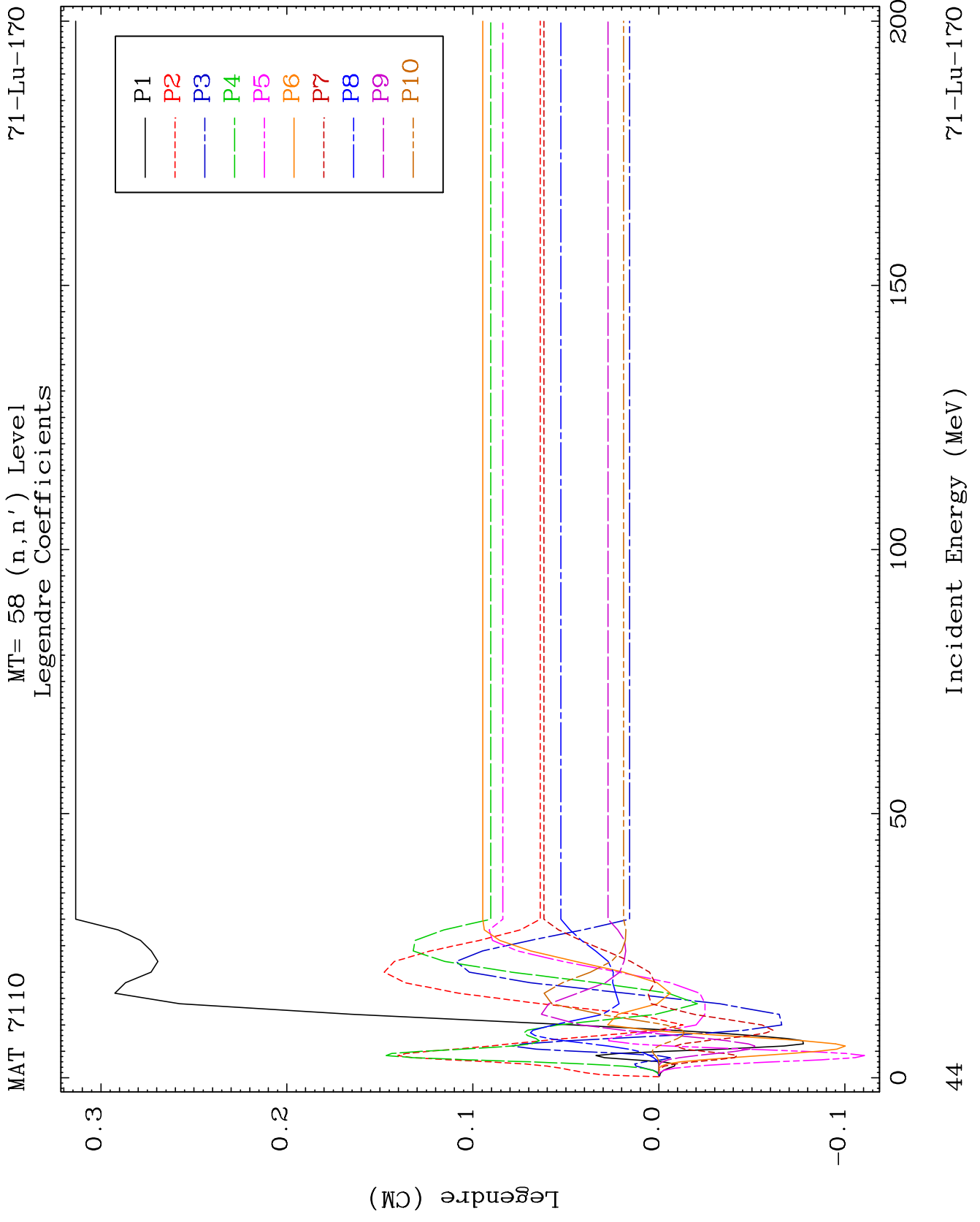
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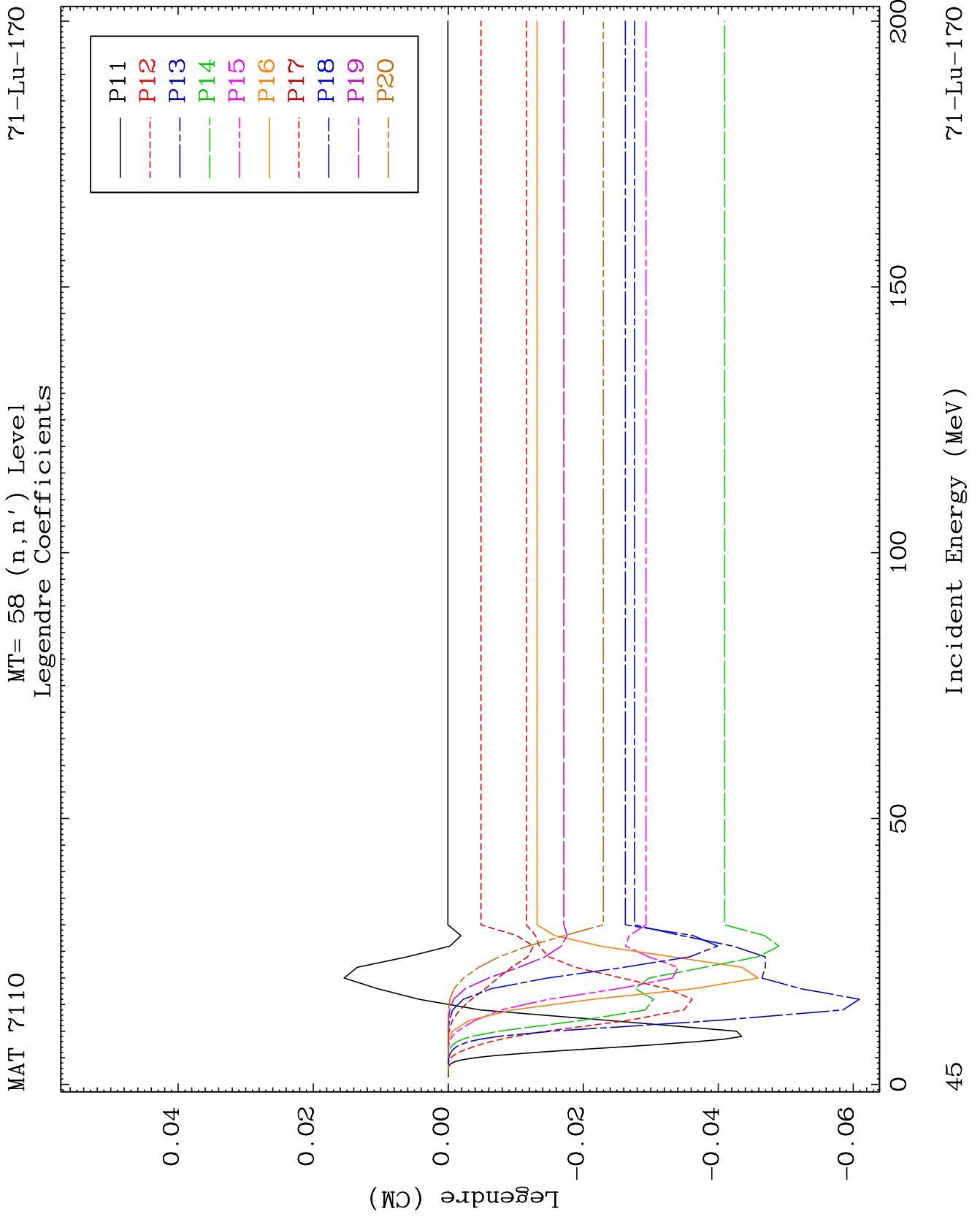
Incident Energy (MeV)

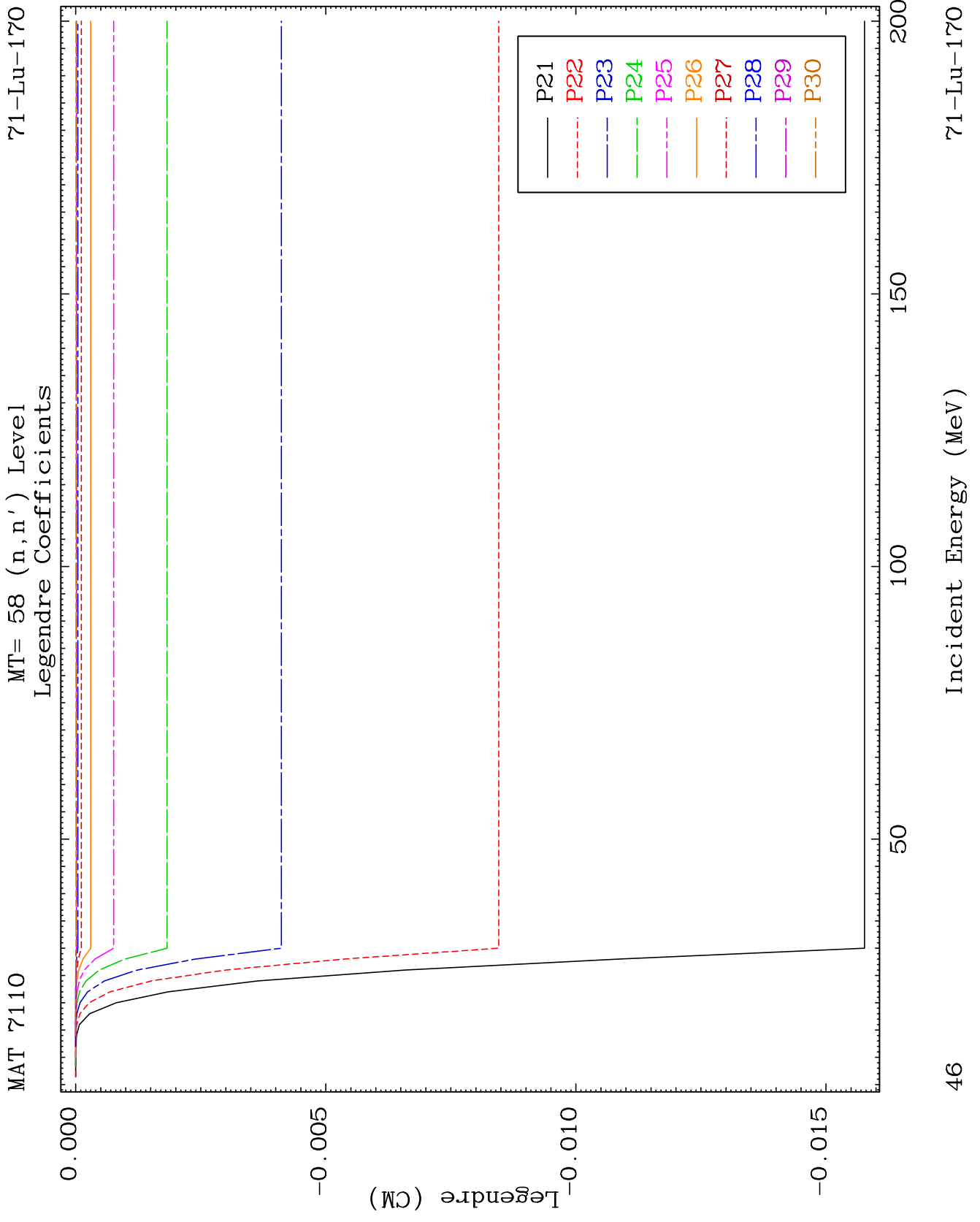
71-Lu-170

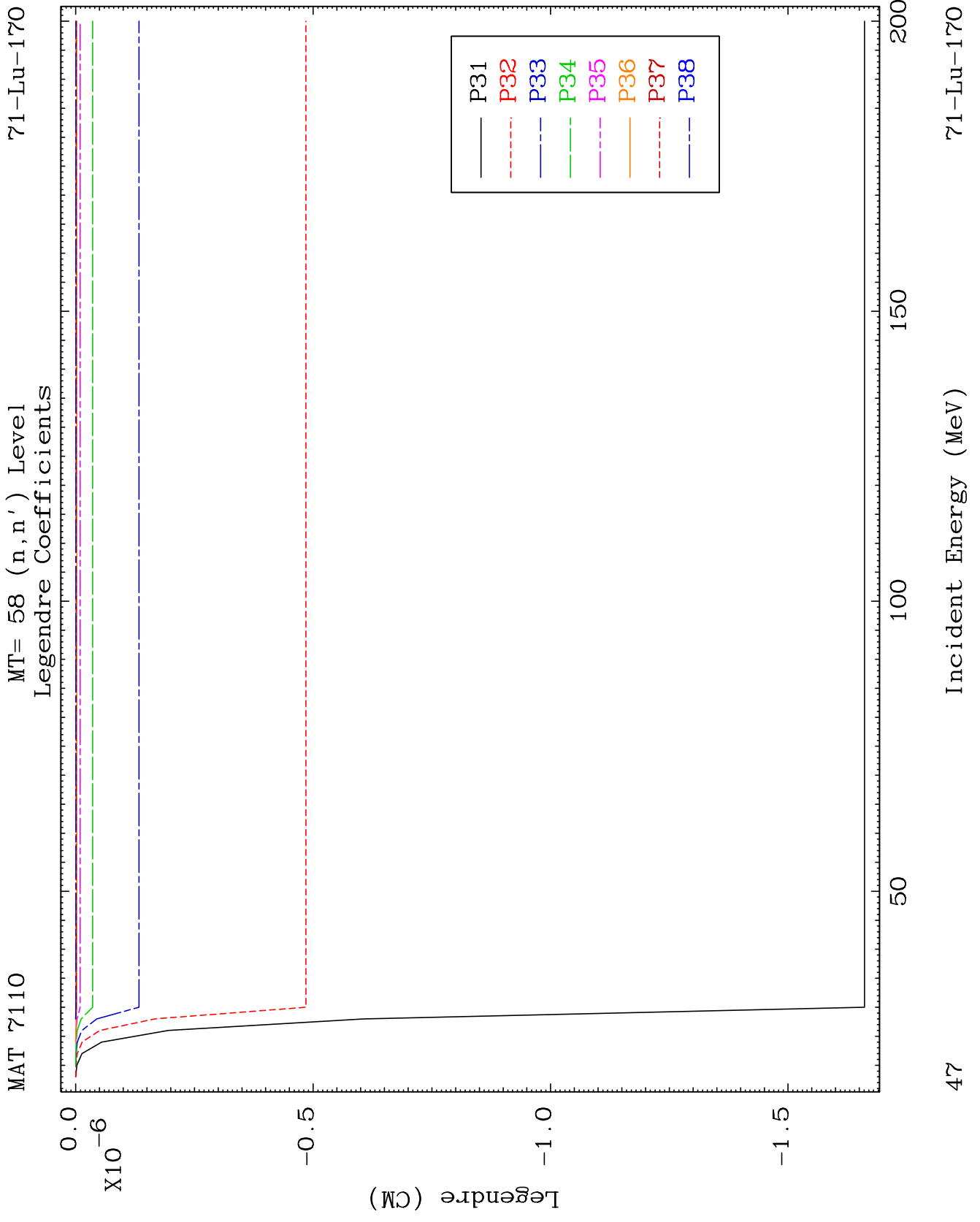


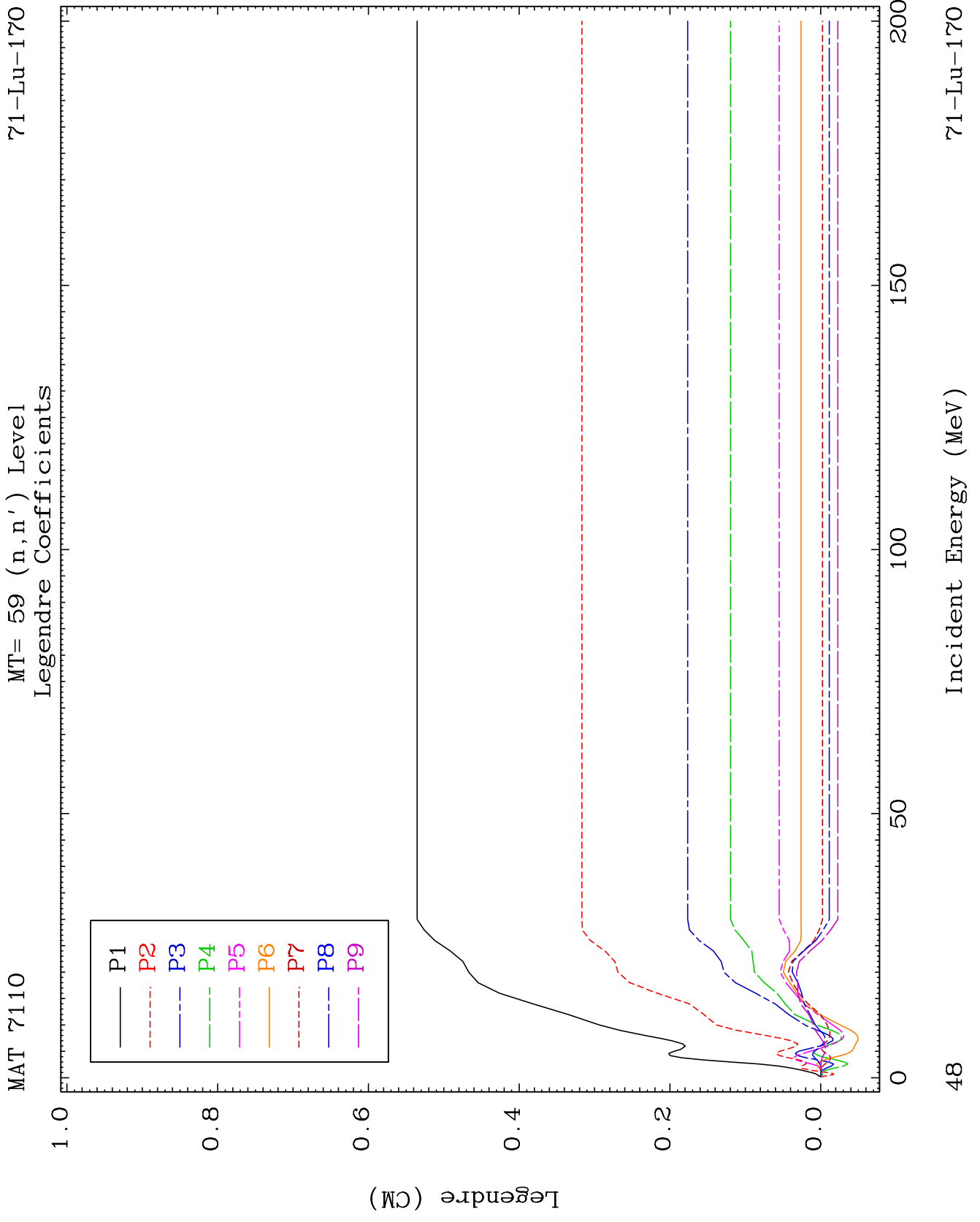


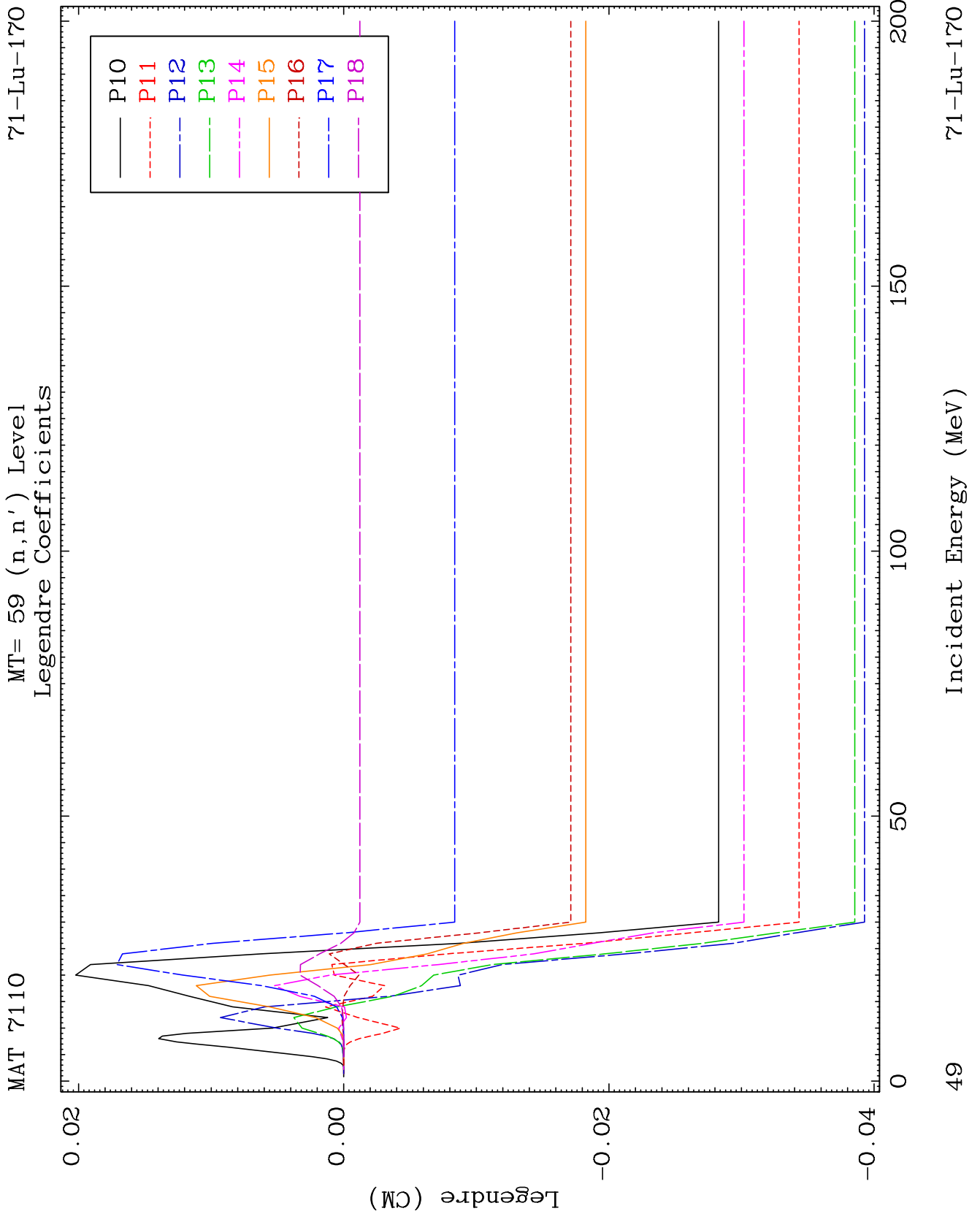








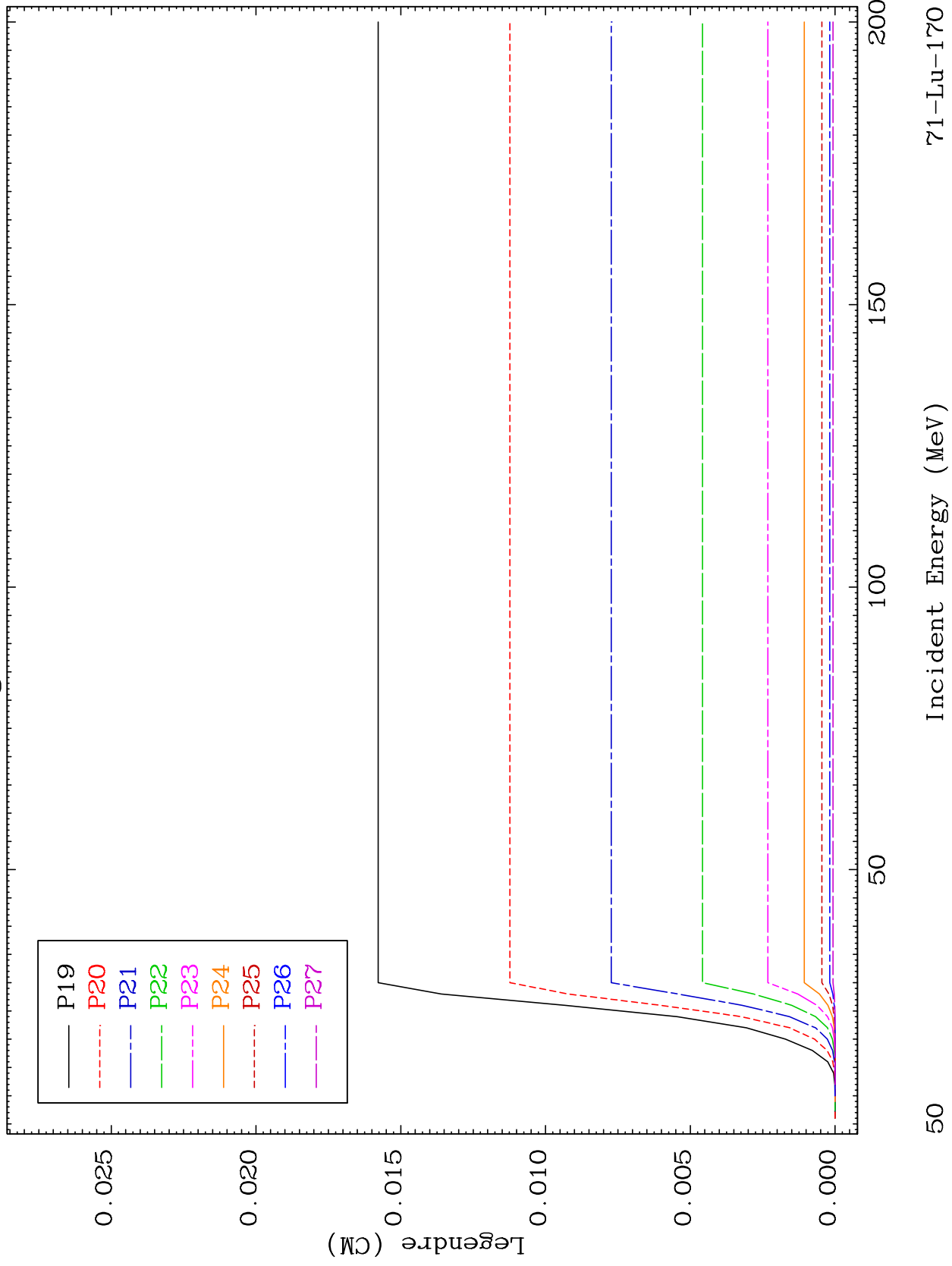




MAT 7110

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

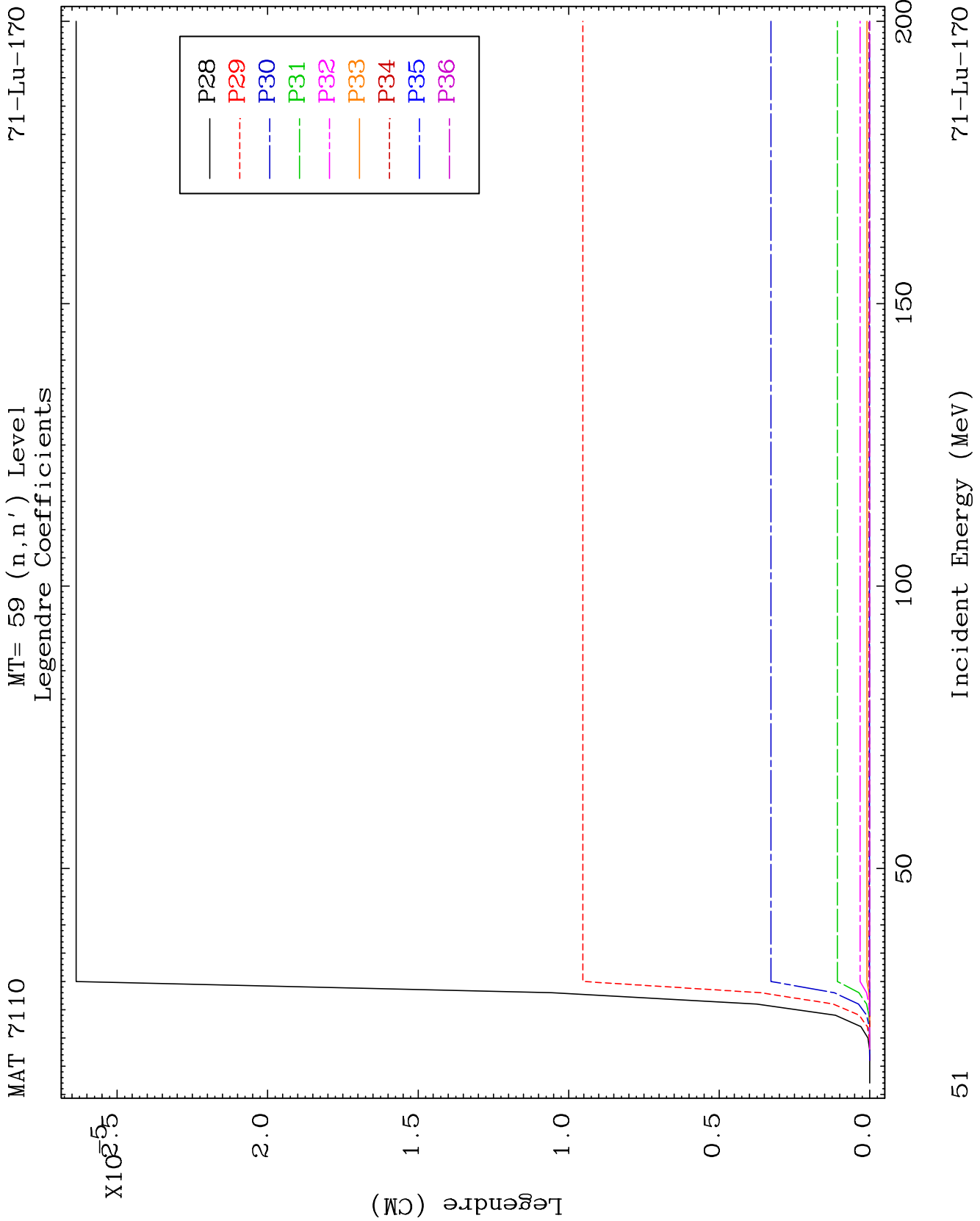
71-Lu-170

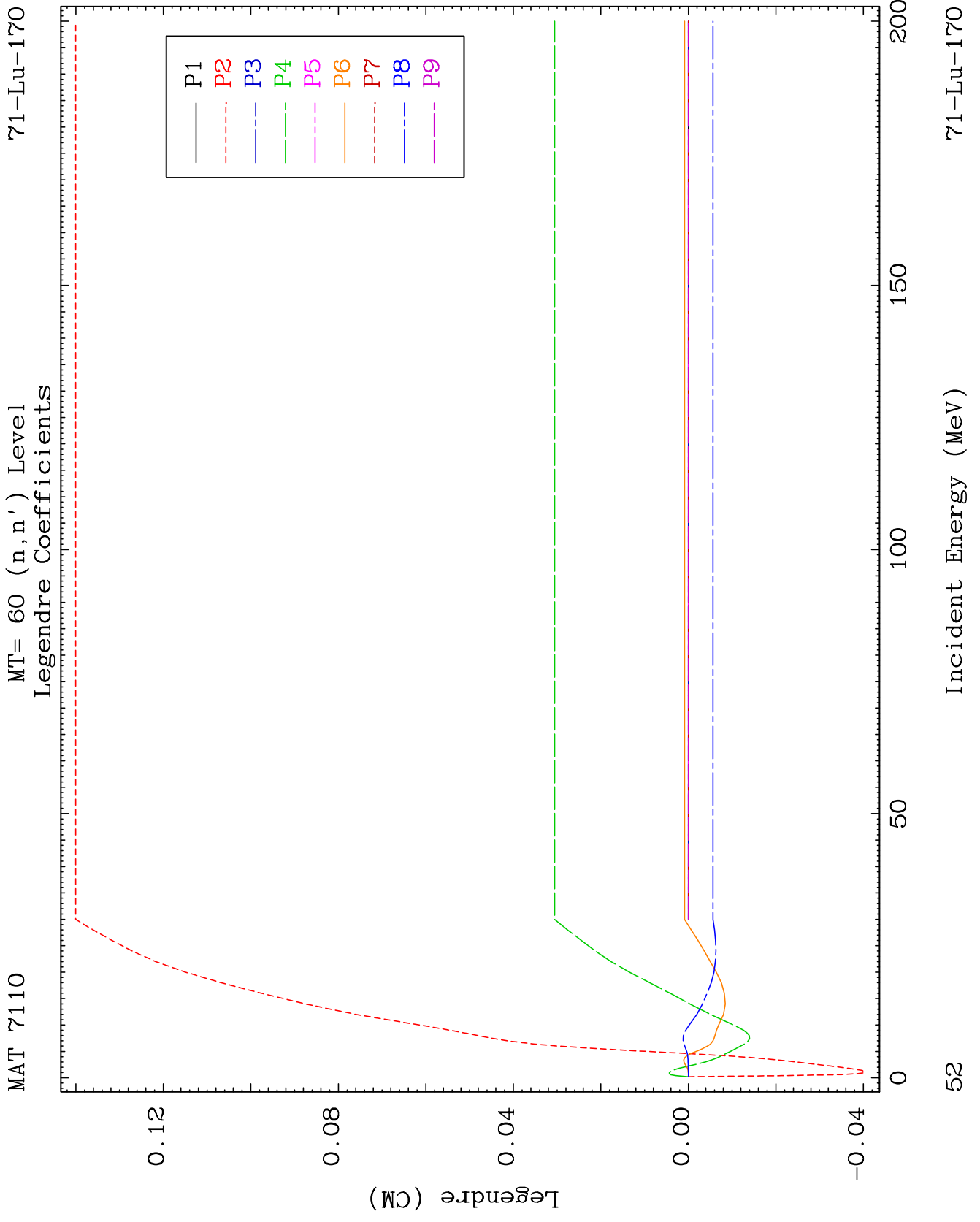


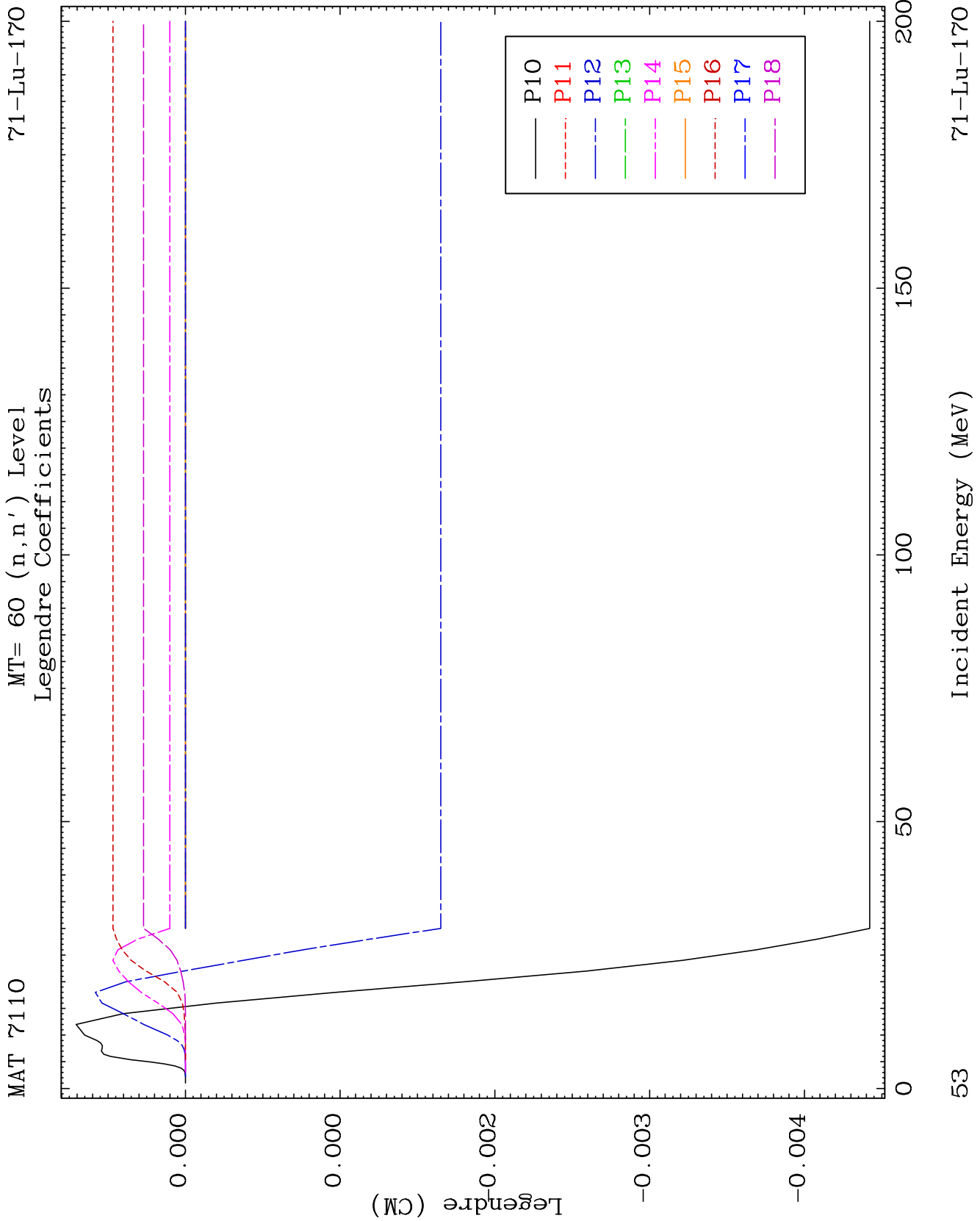
71-Lu-170

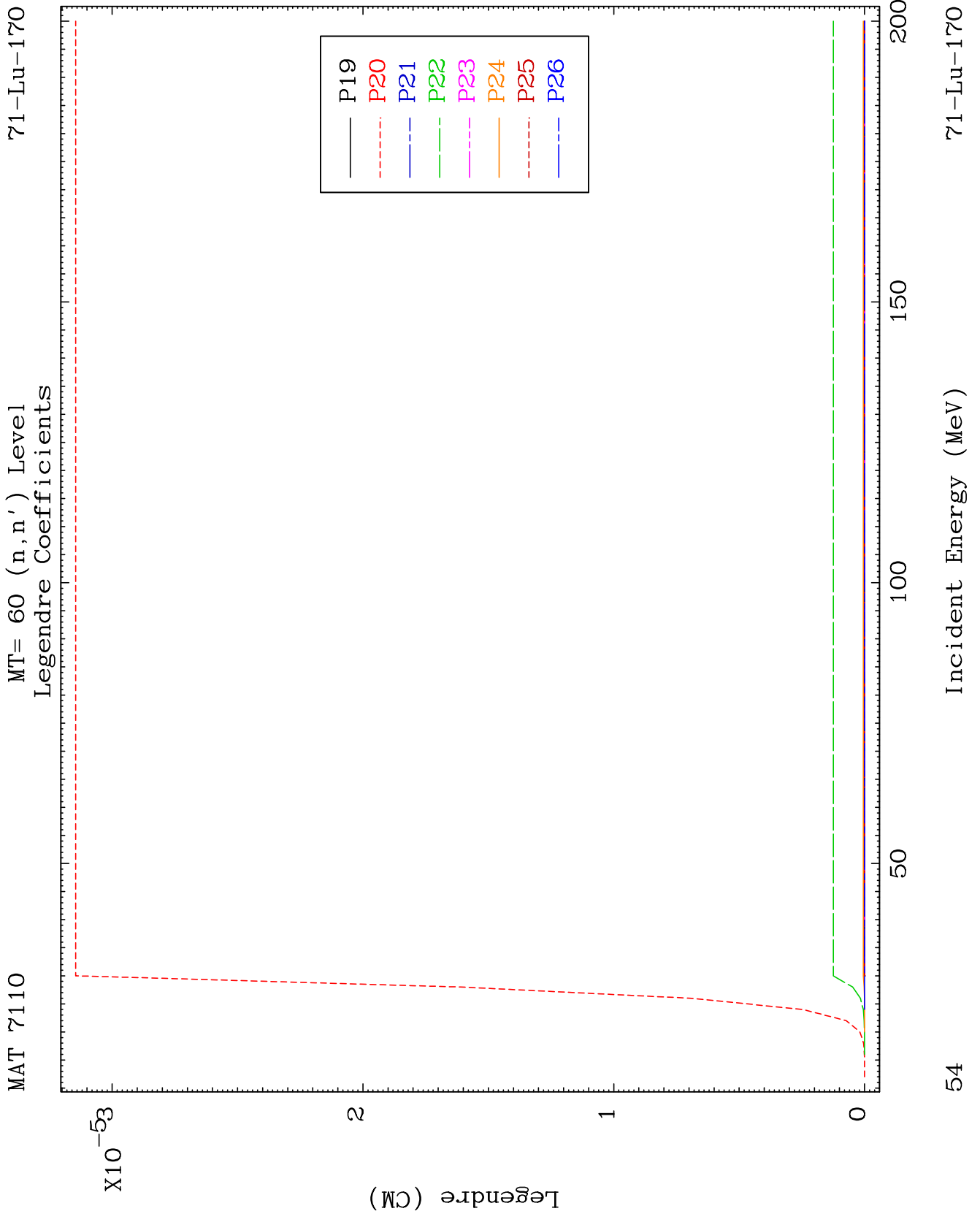
Incident Energy (MeV)

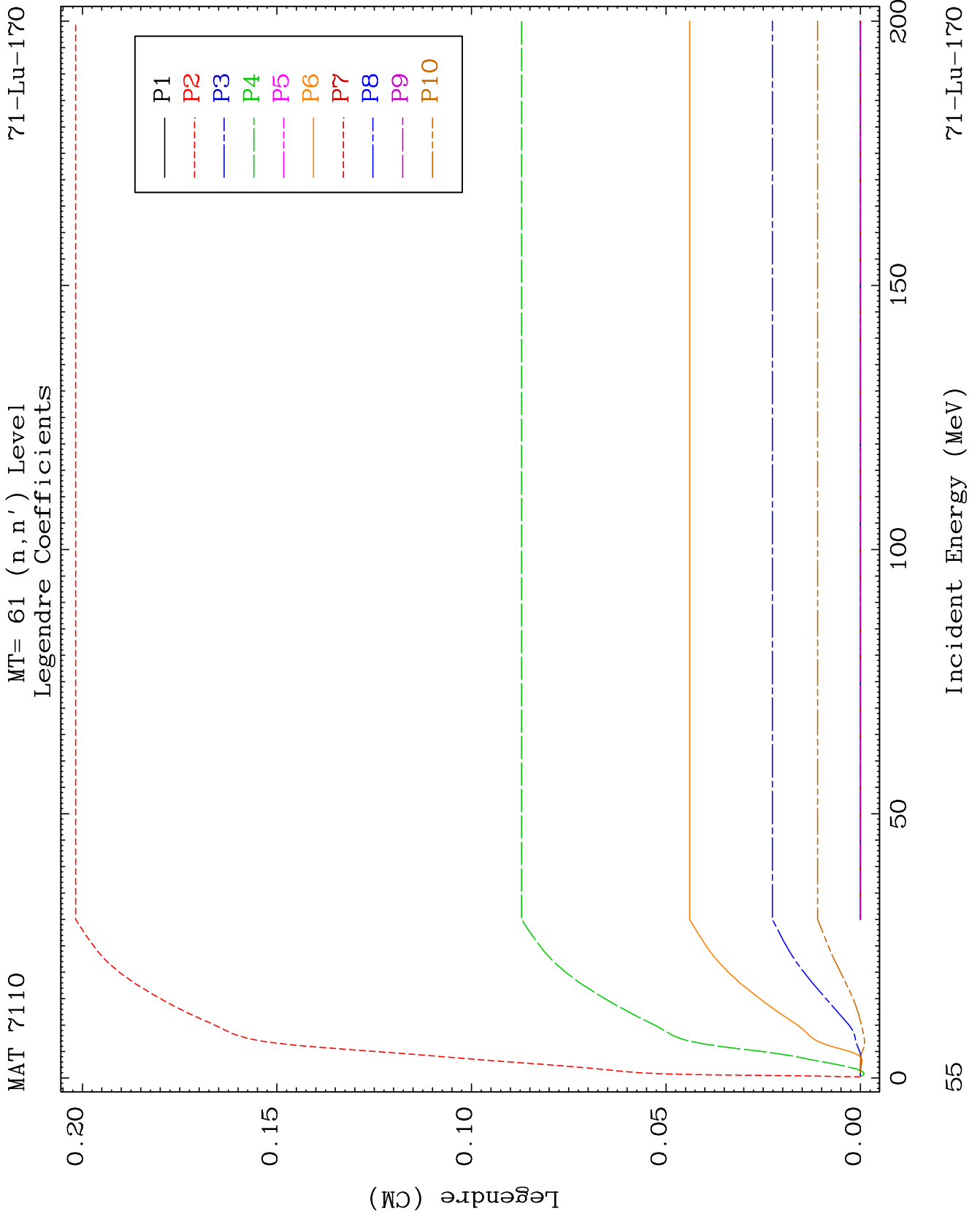
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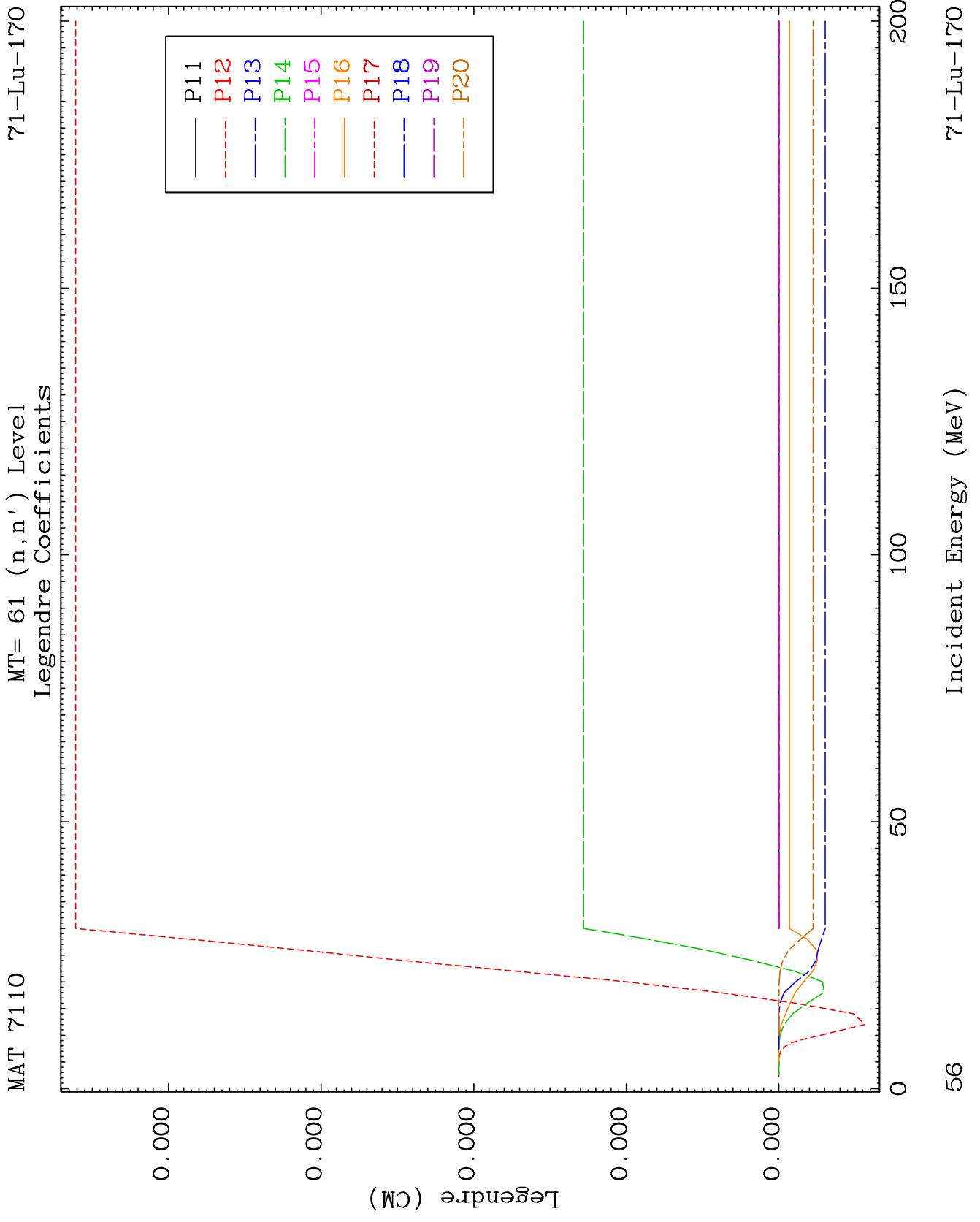








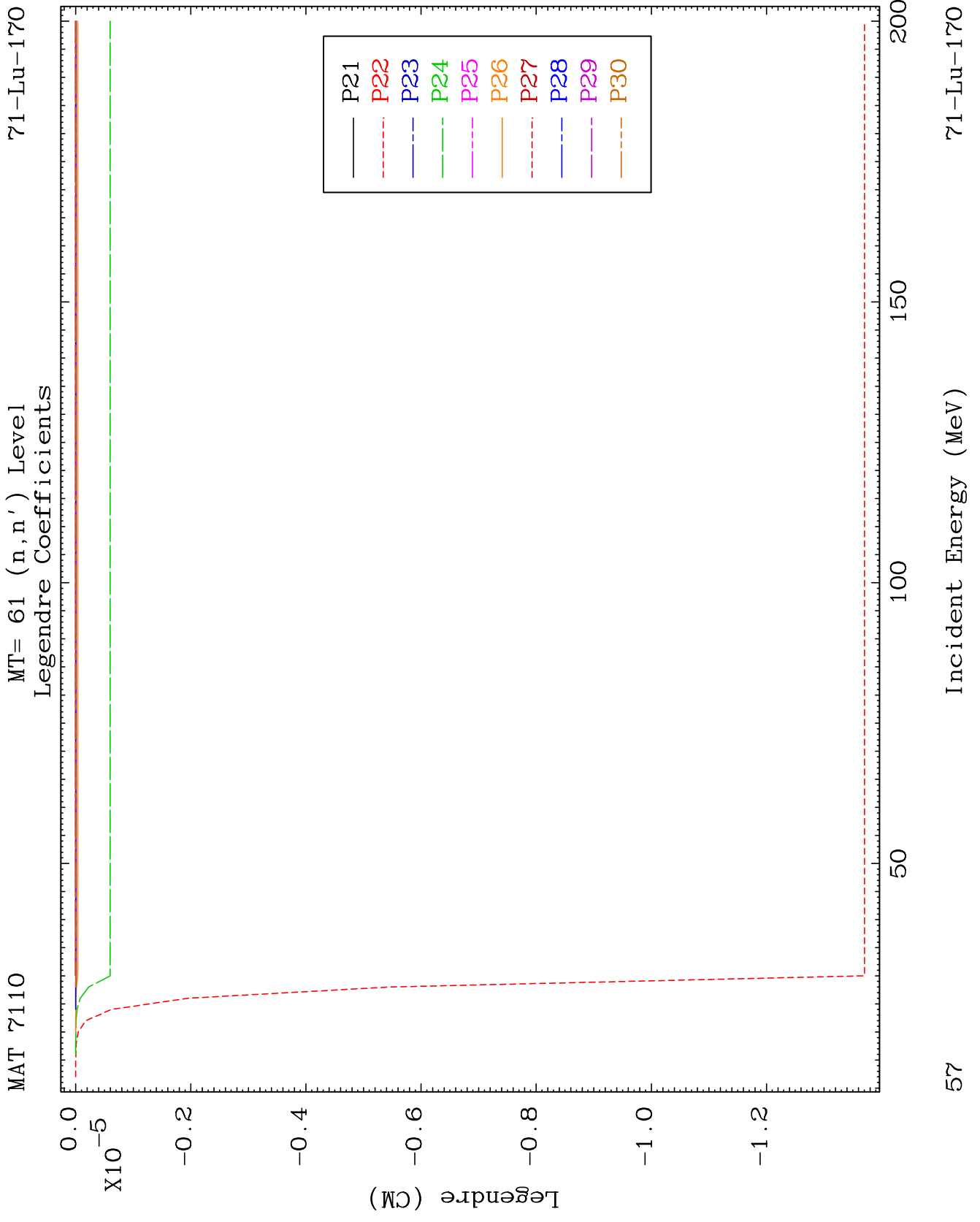


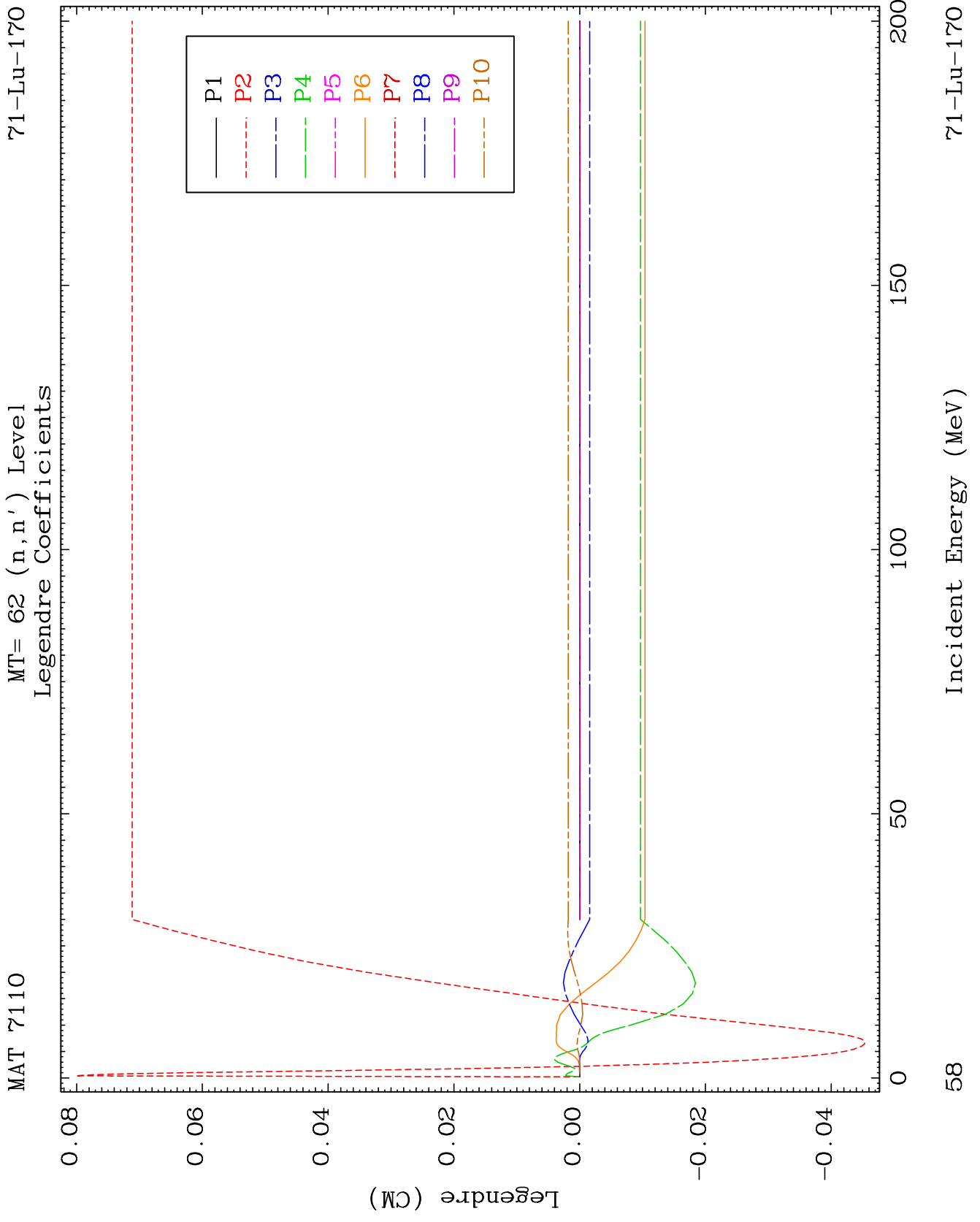


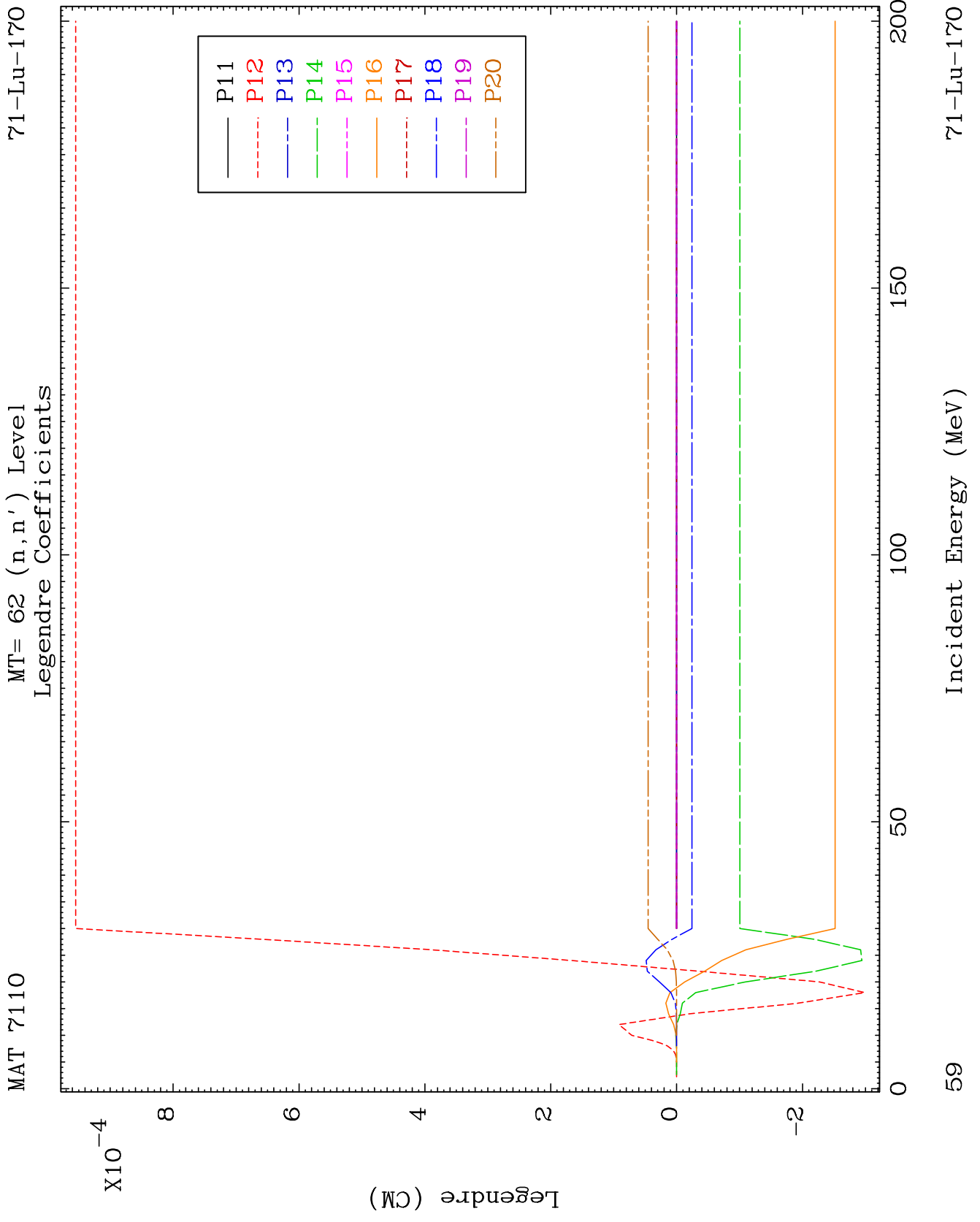
71-Lu-170

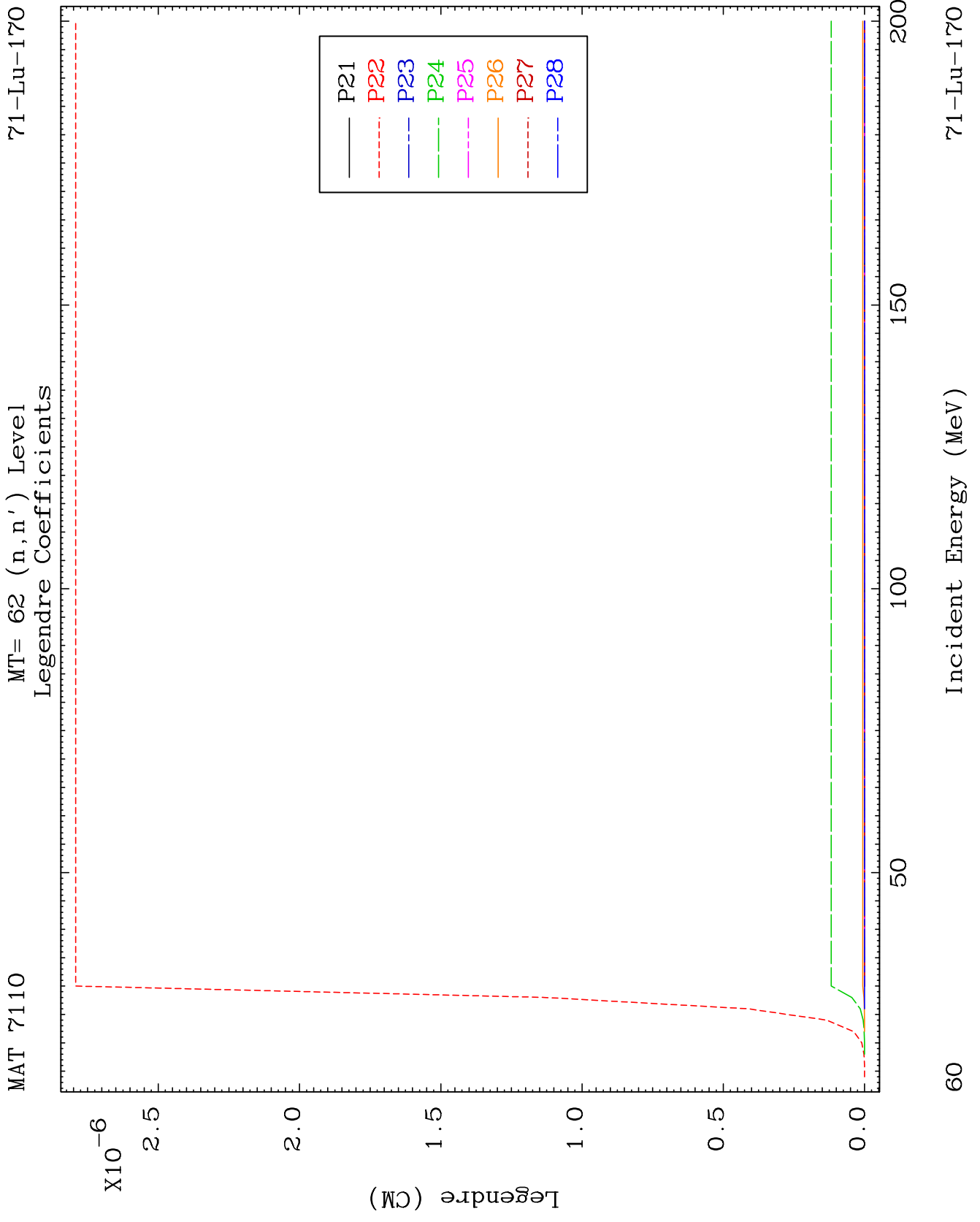
Incident Energy (MeV)

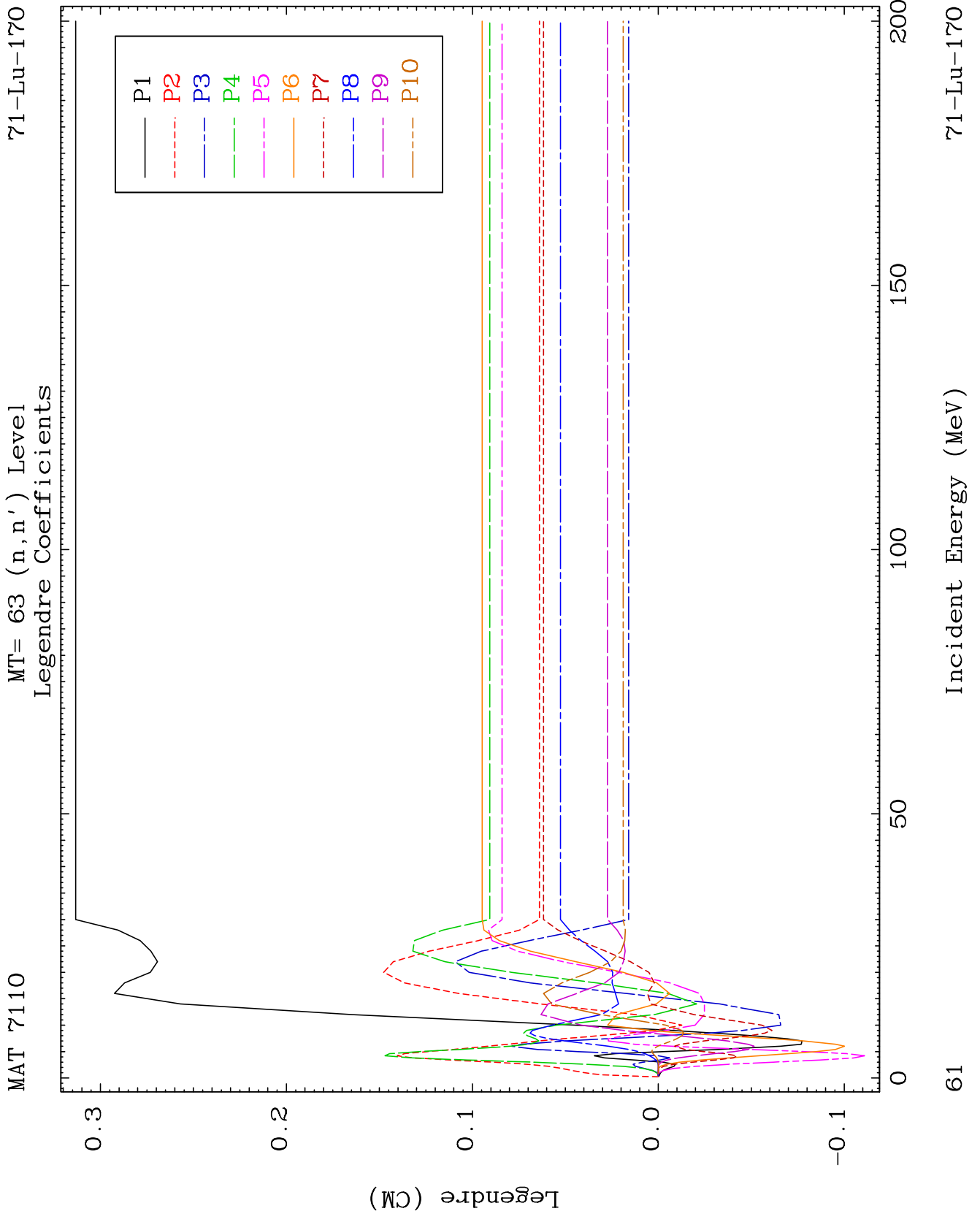
56







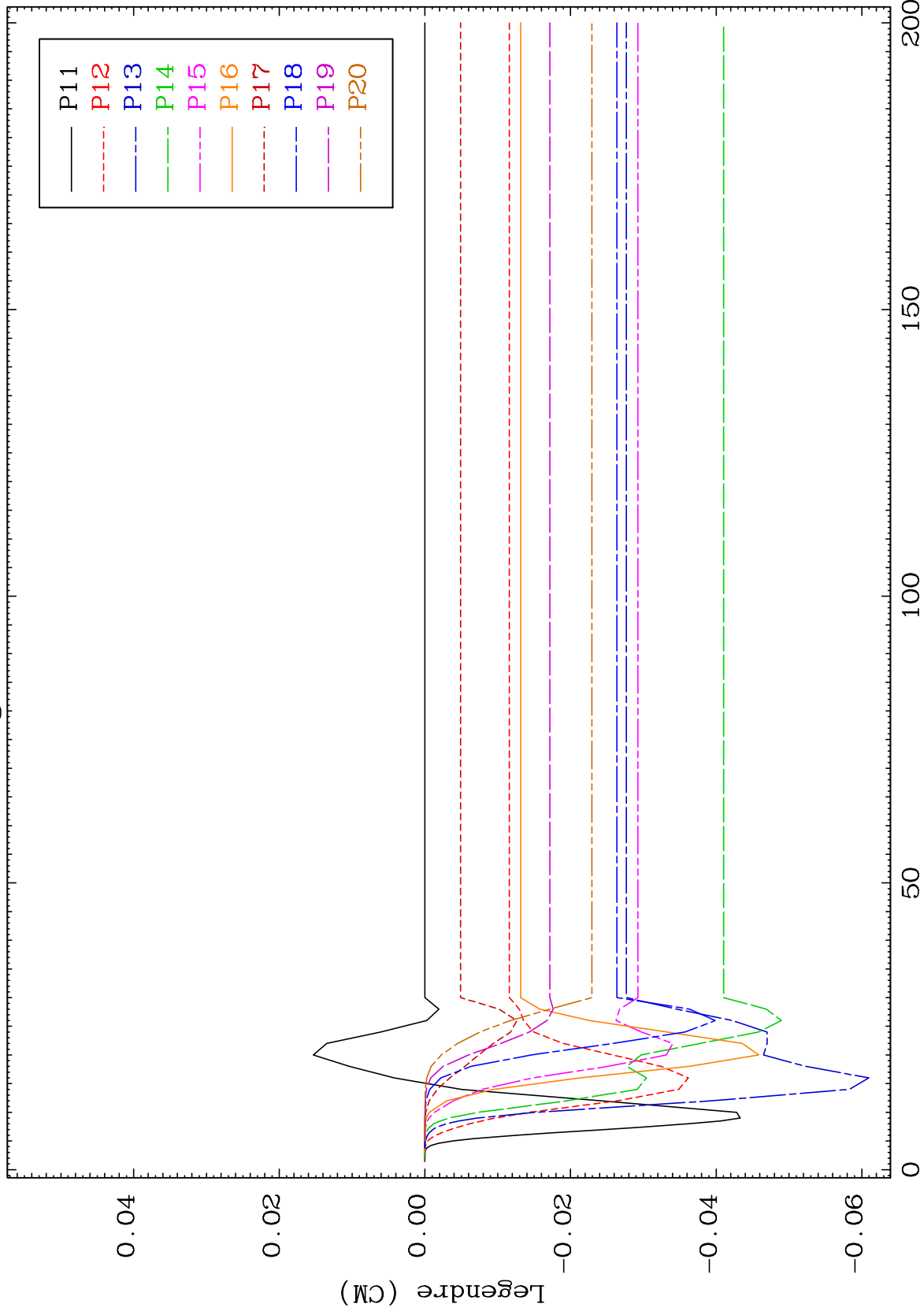




MAT 7110

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

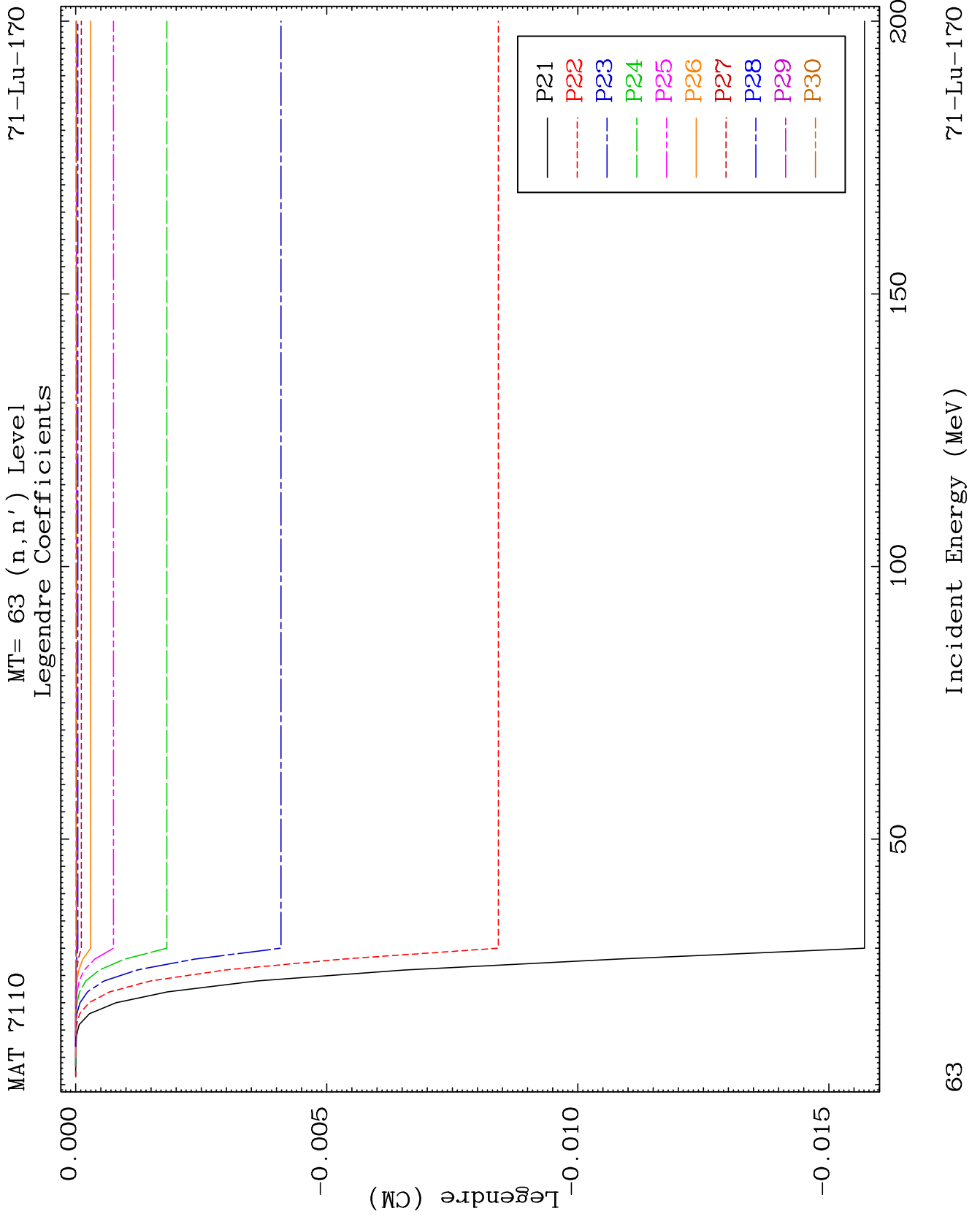
71-Lu-170

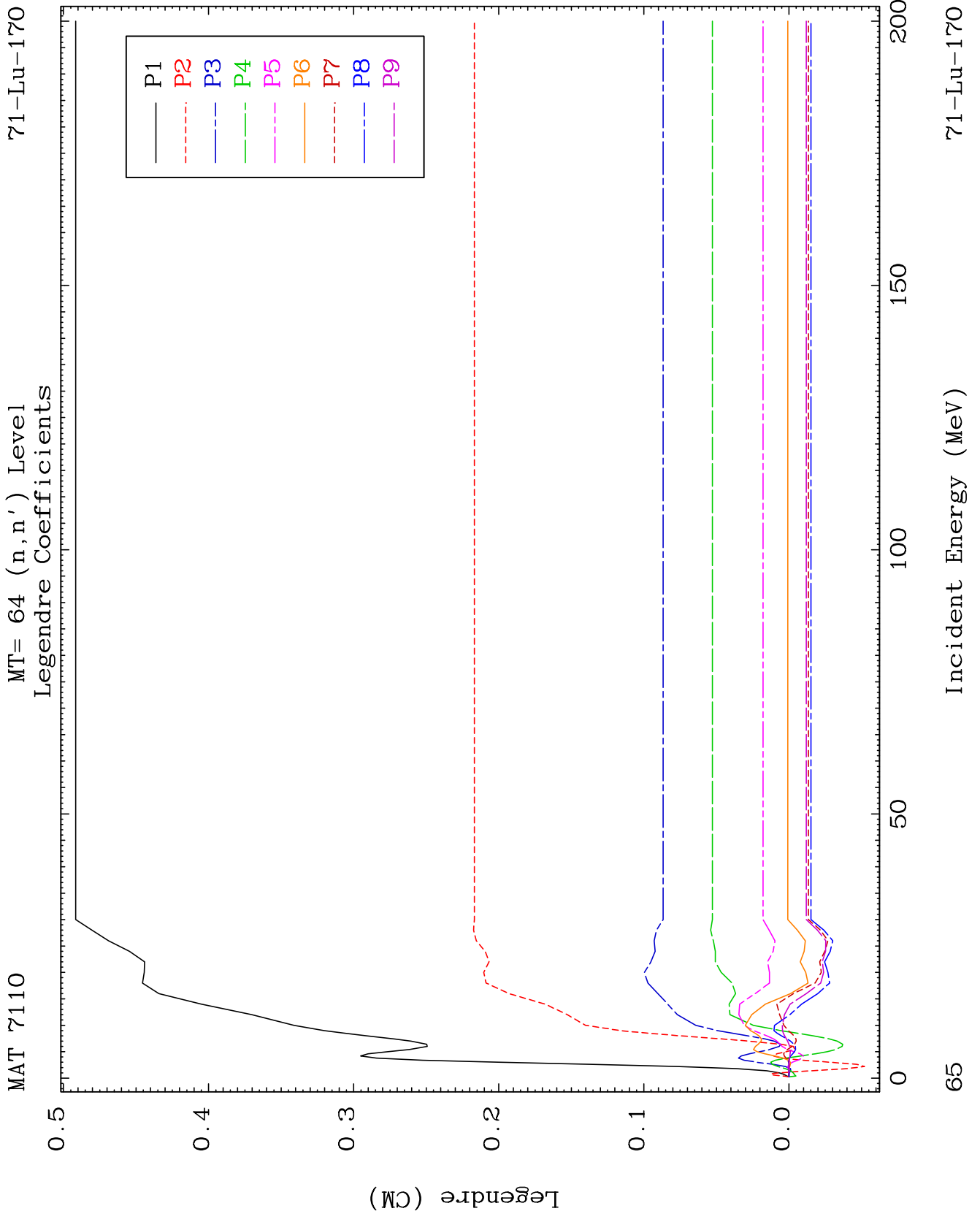


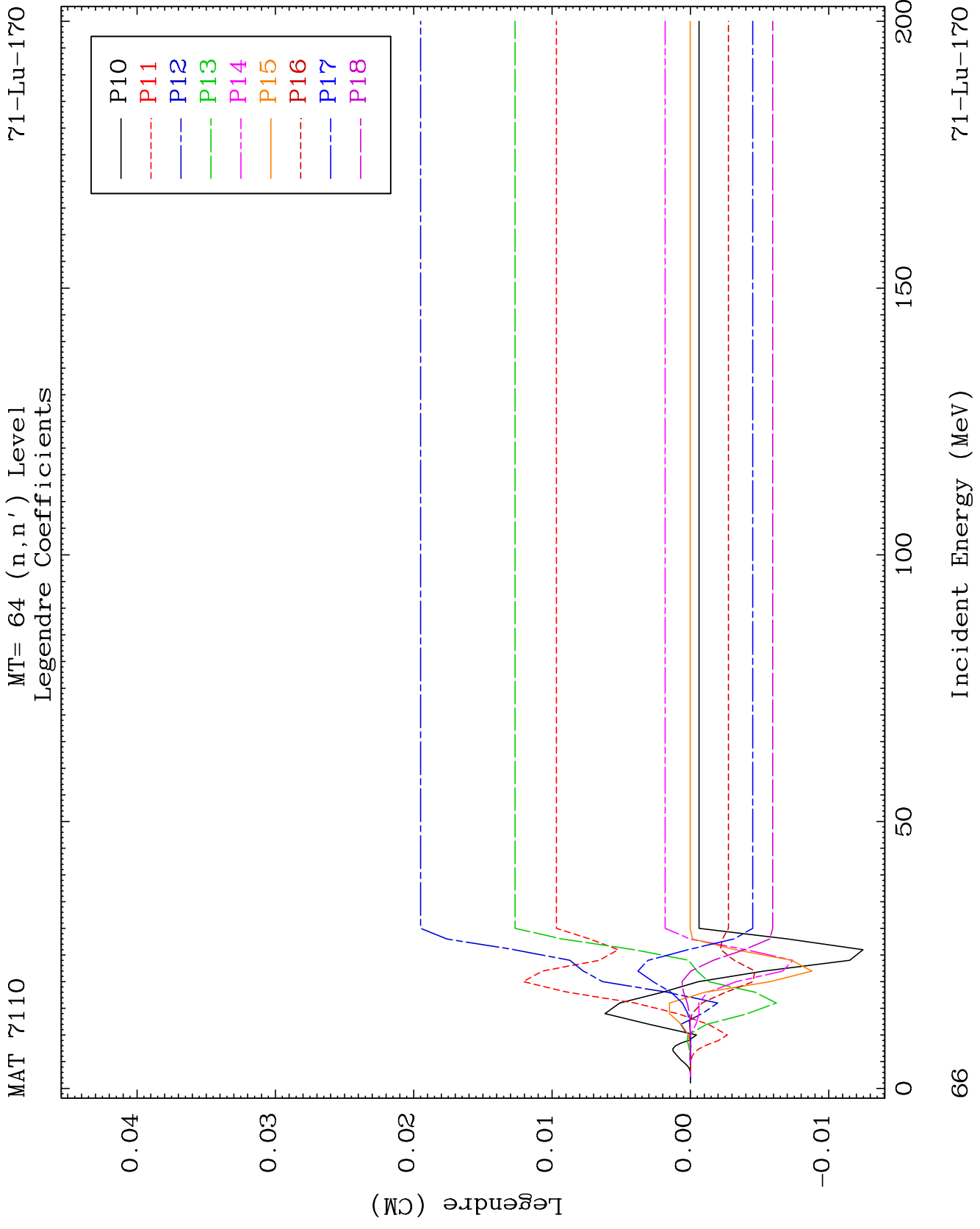
62

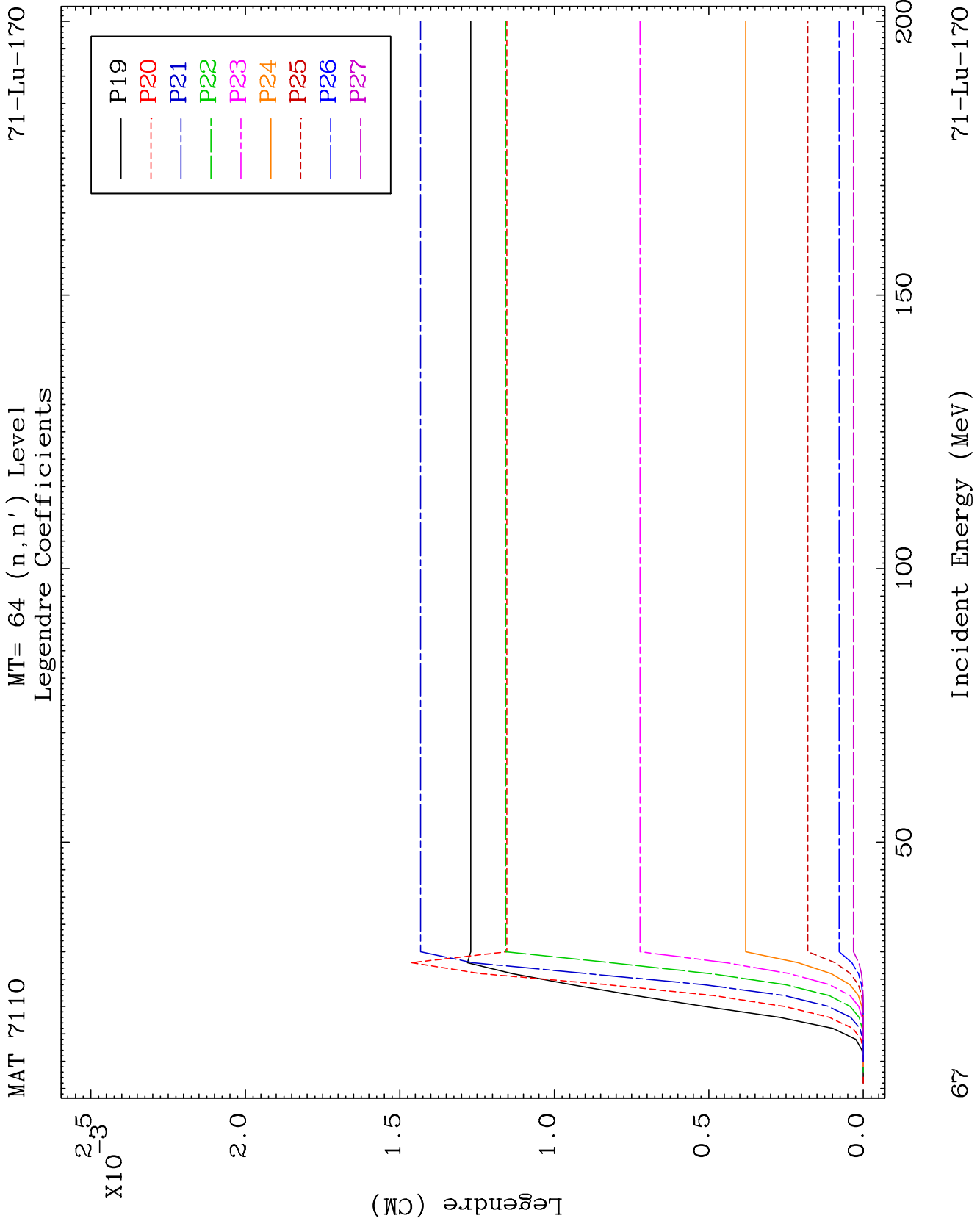
Incident Energy (MeV)

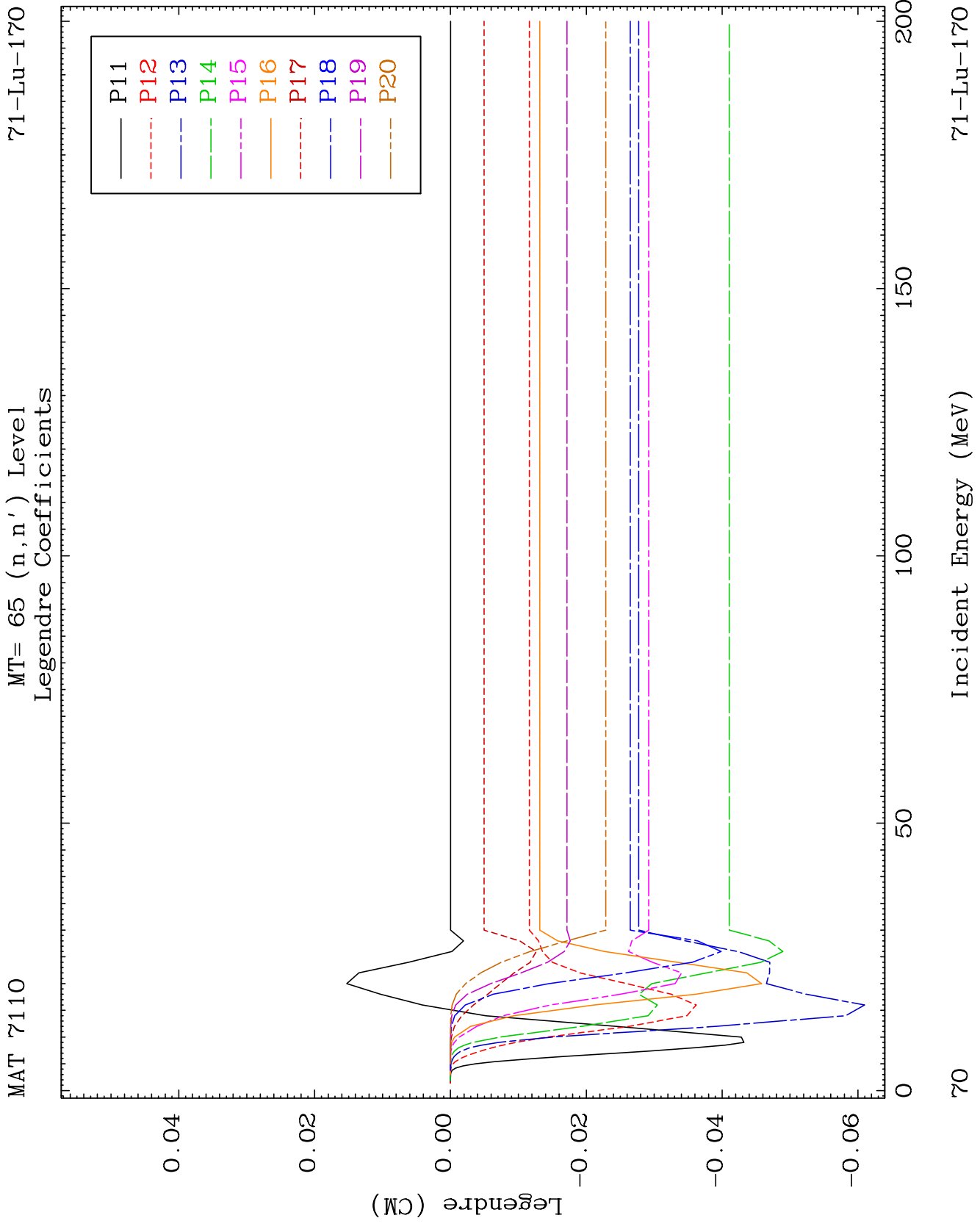
71-Lu-170

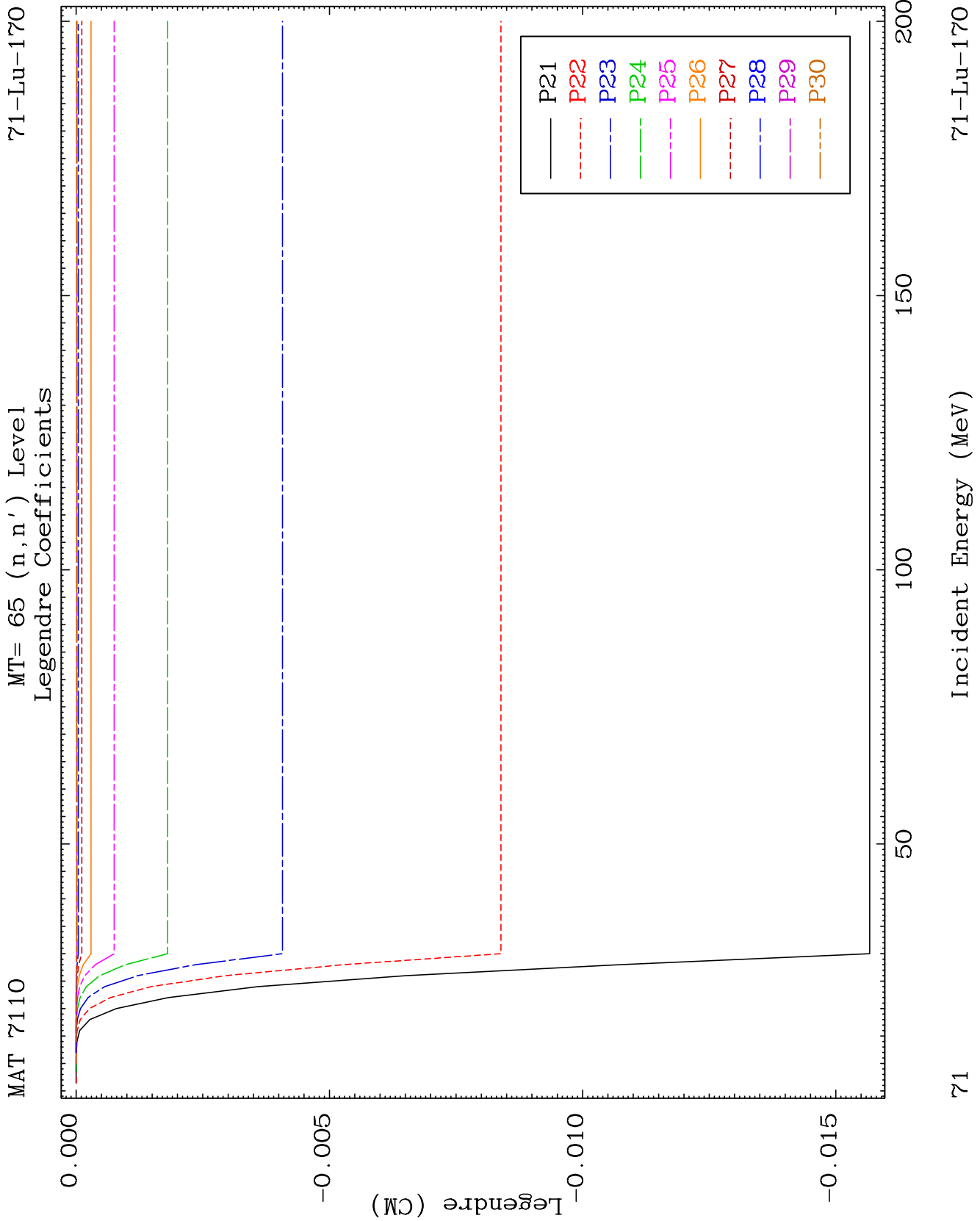


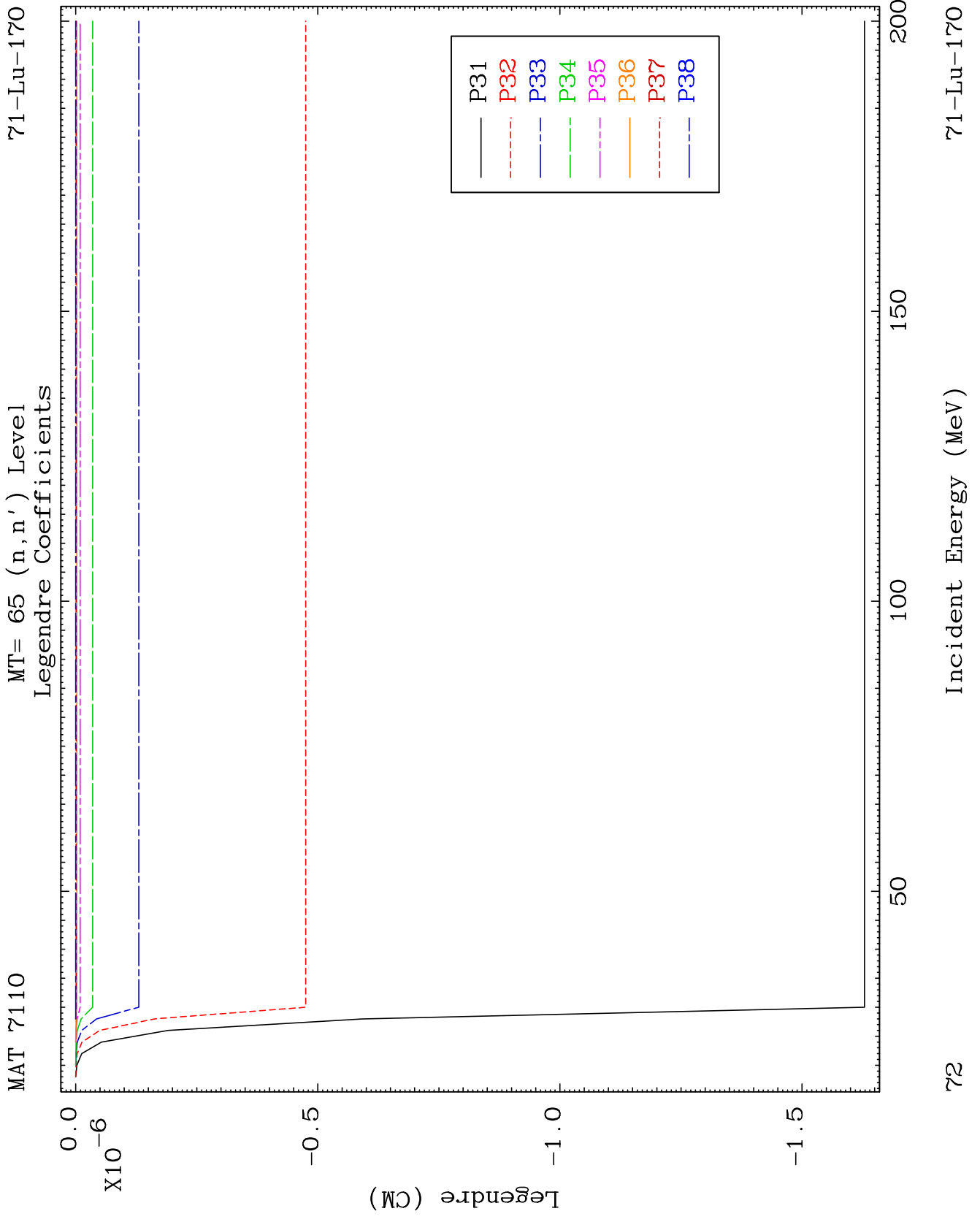


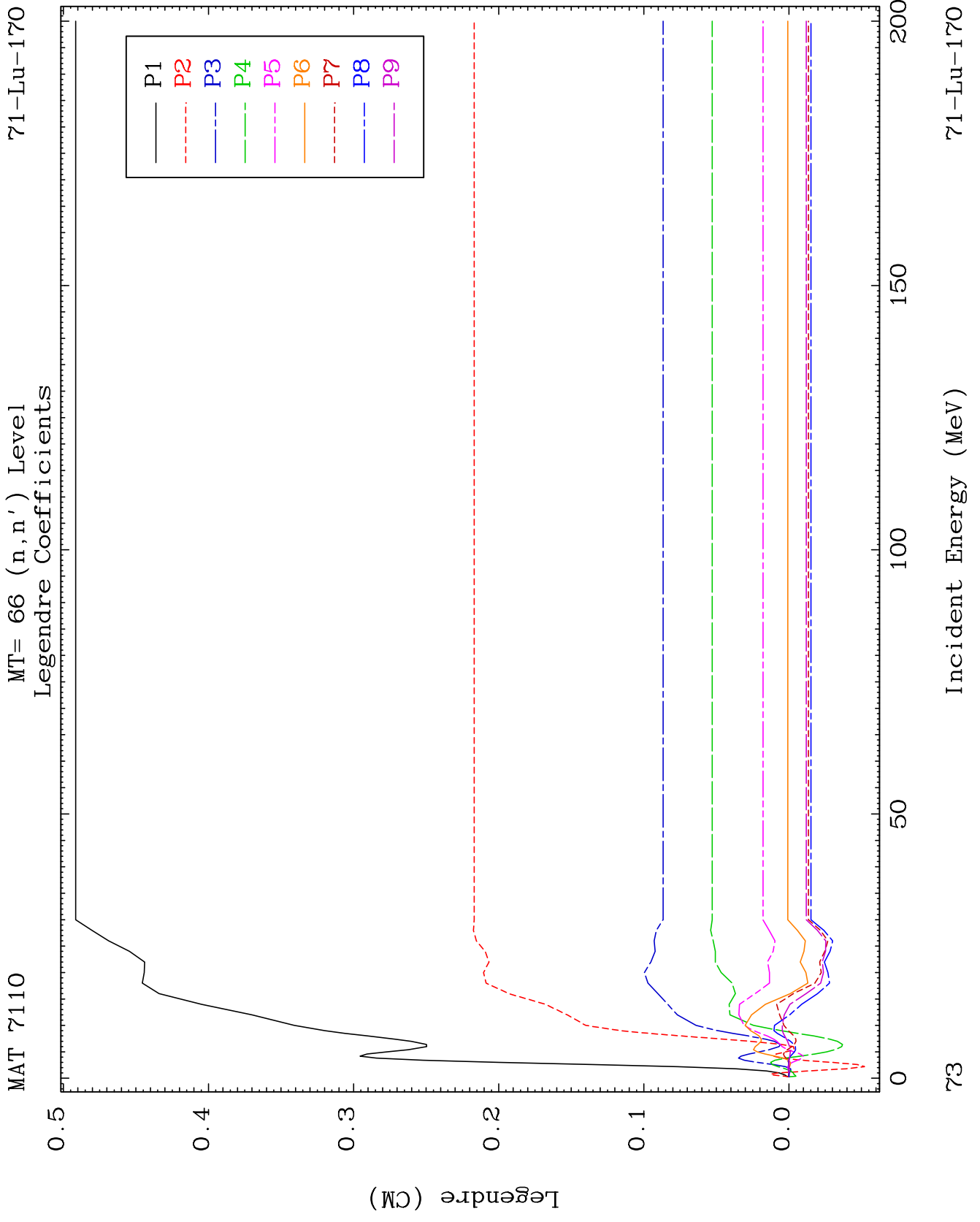


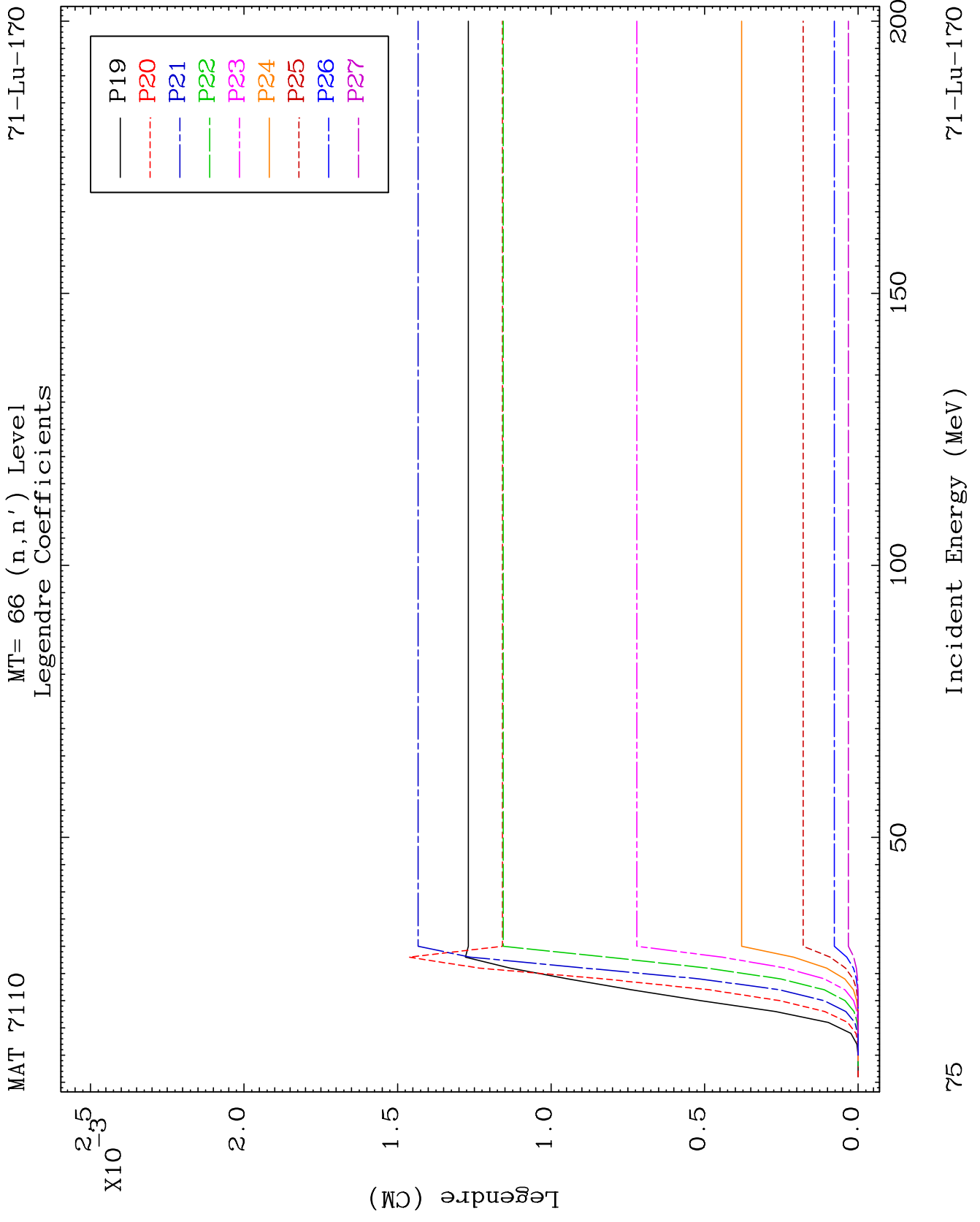


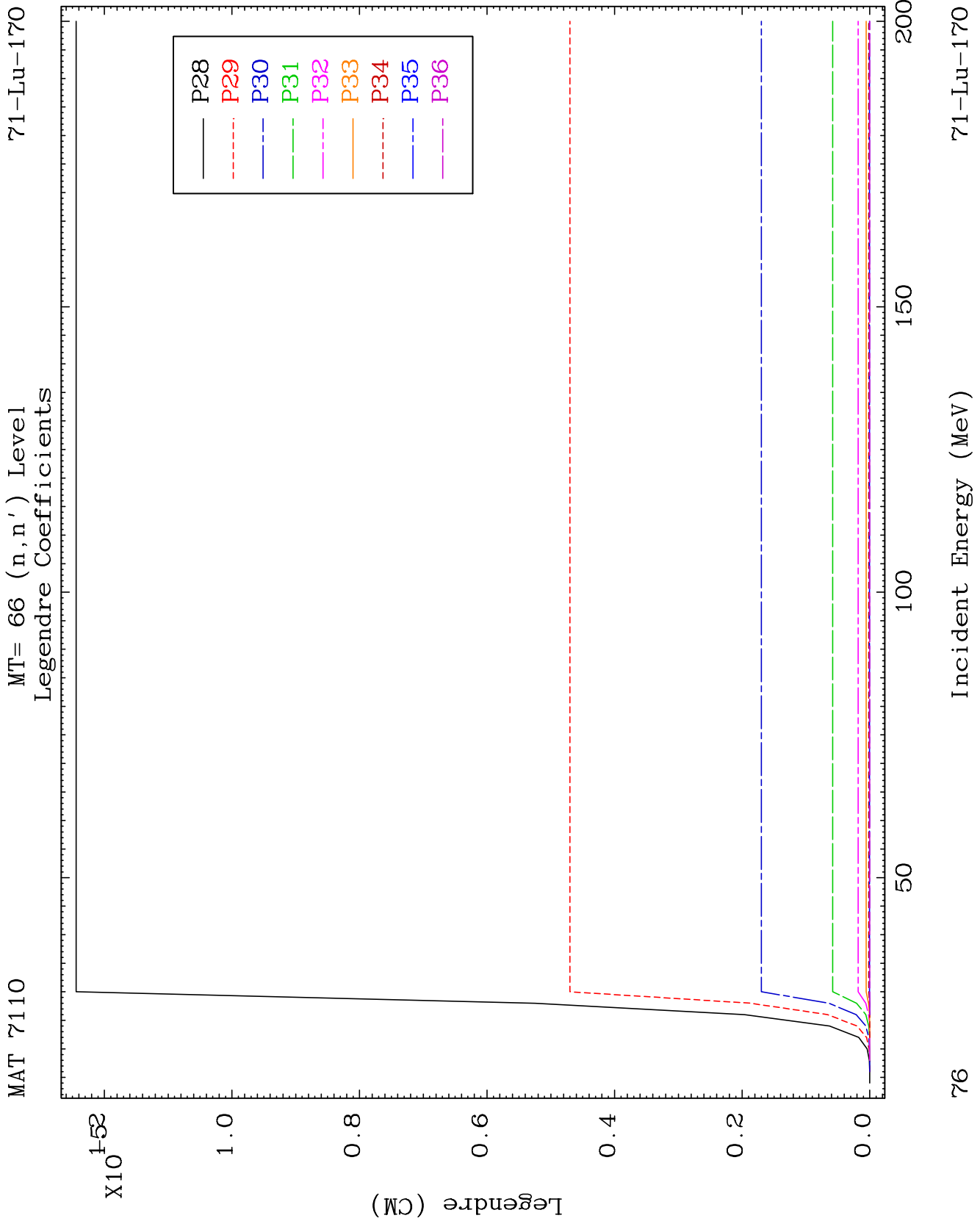


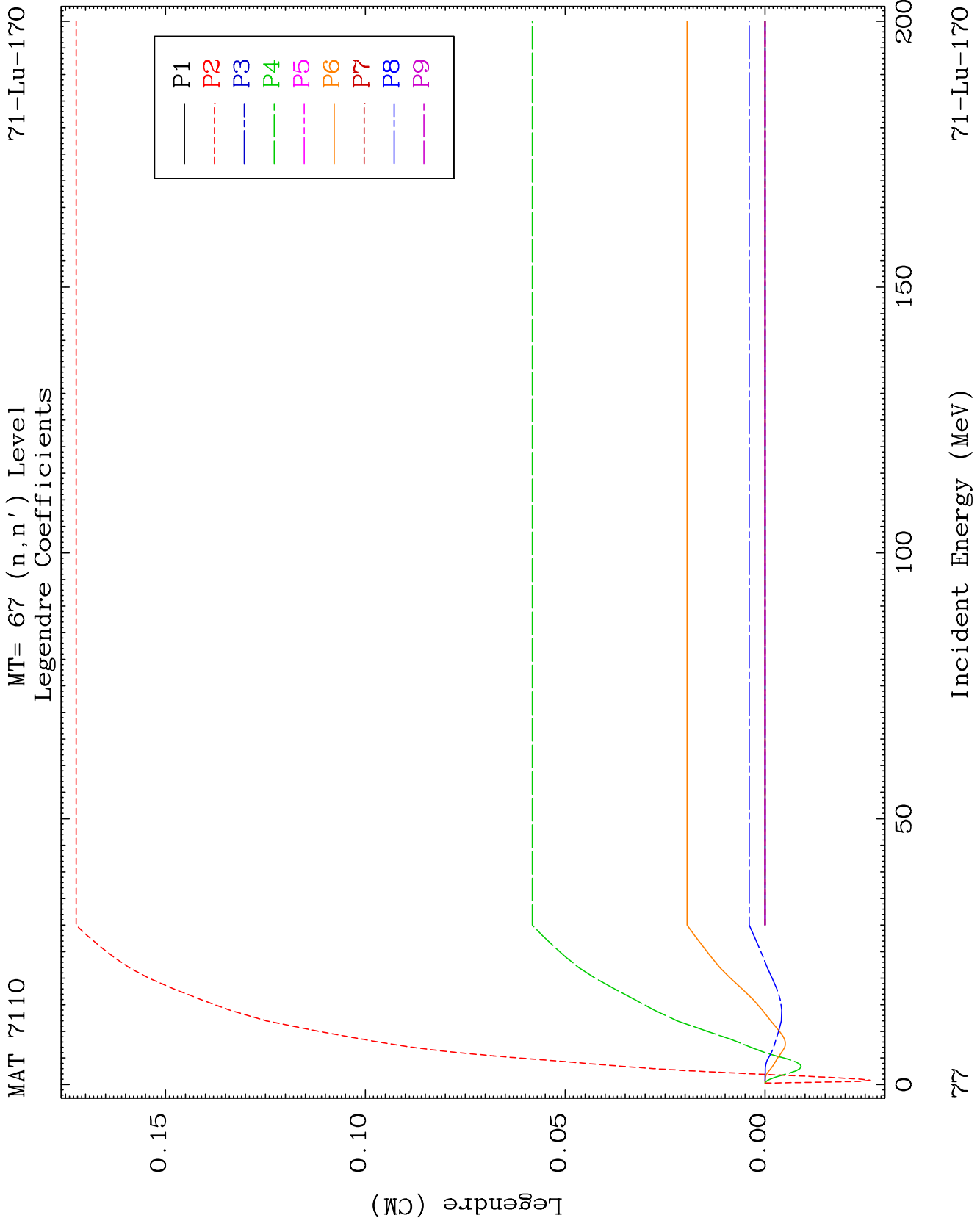








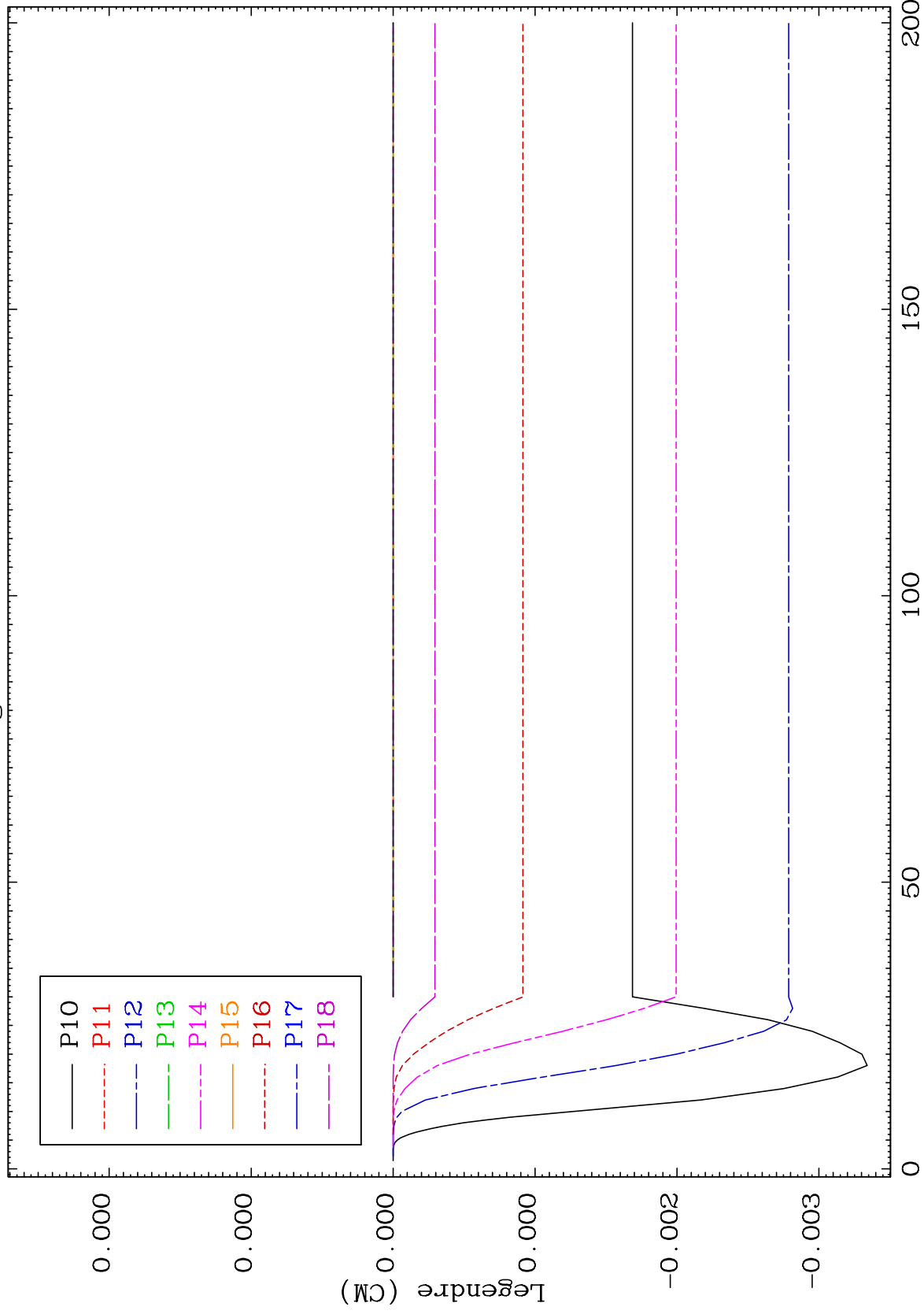




MAT 7110

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

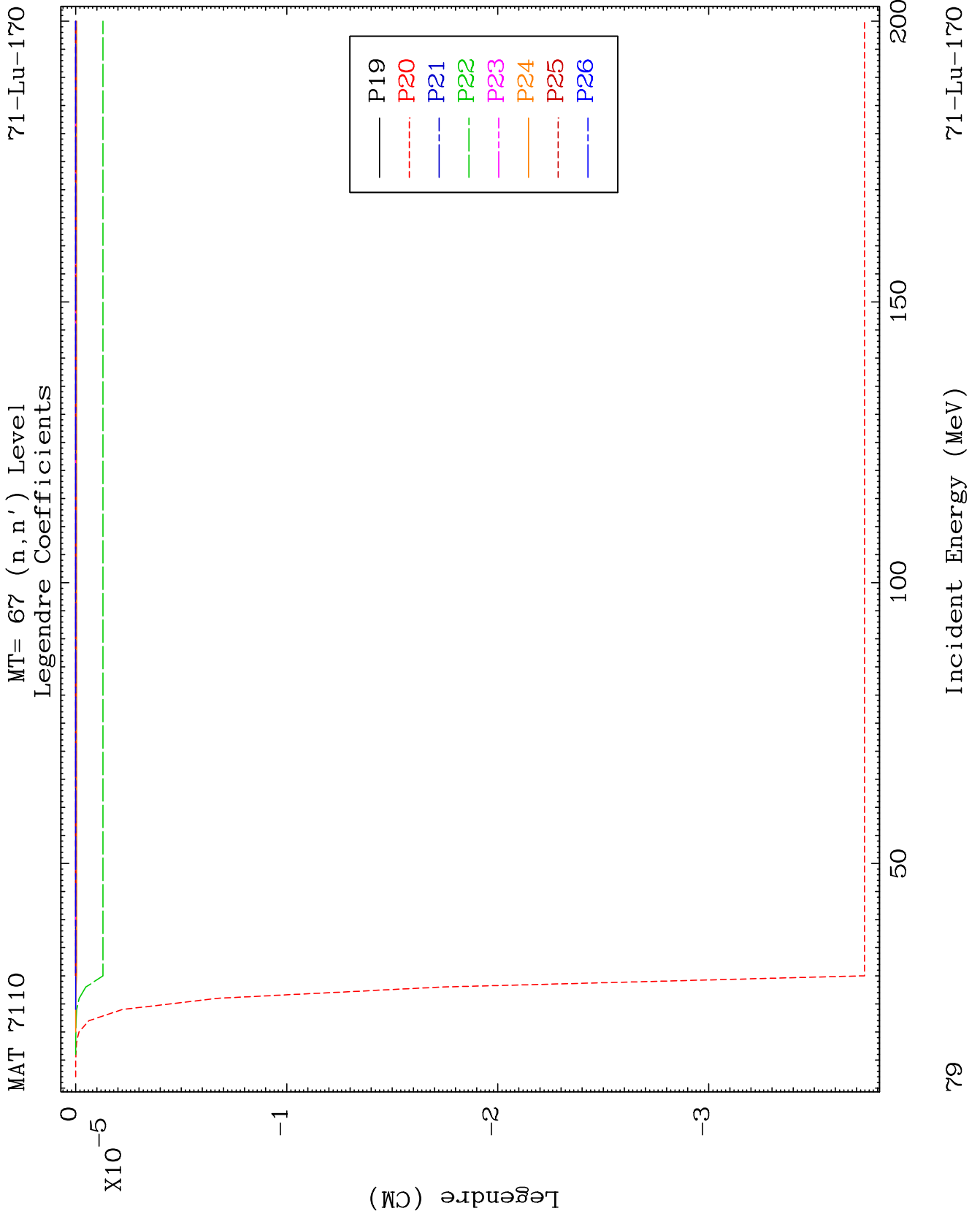
71-Lu-170



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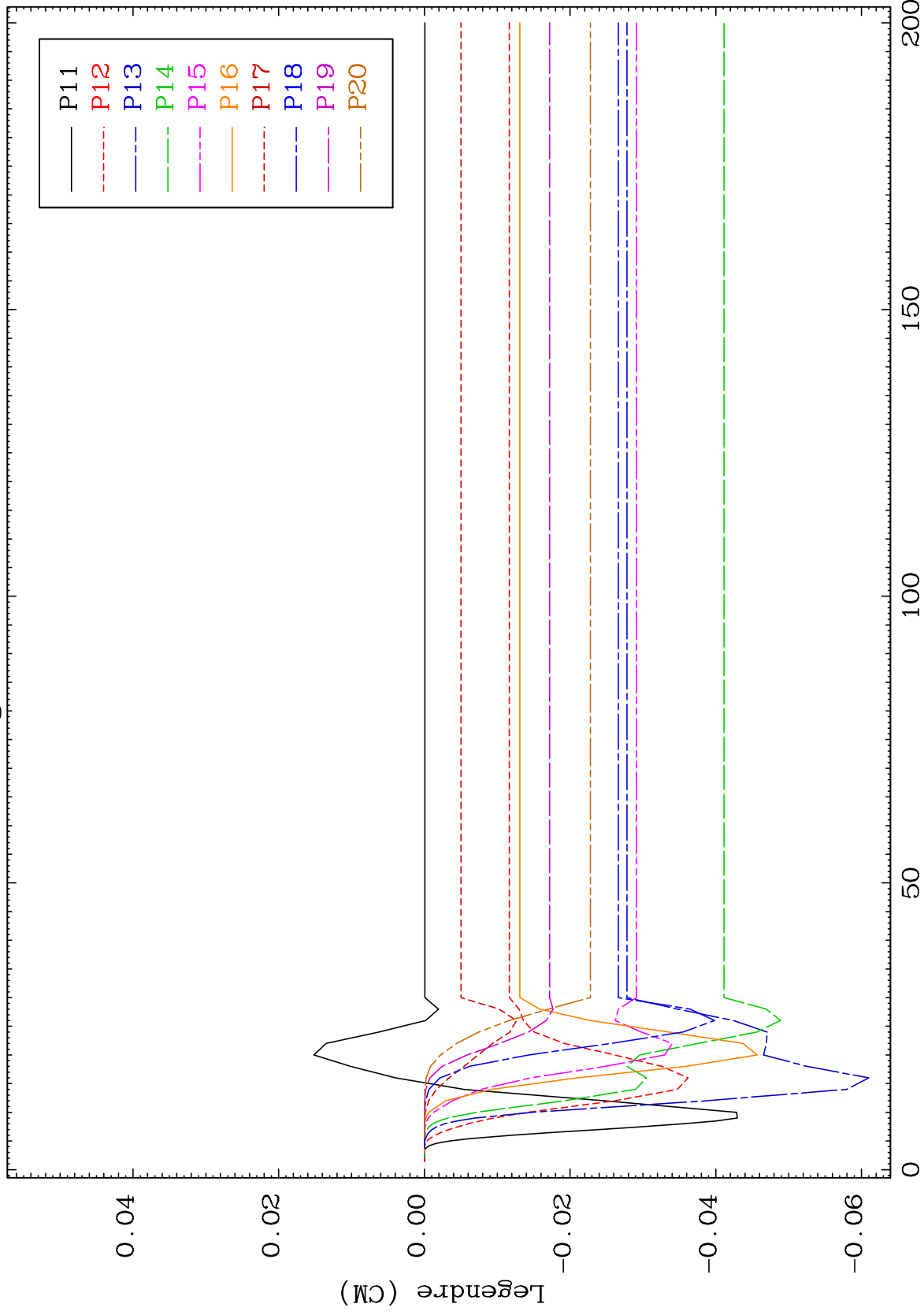
71-Lu-170



MAT 7110

MT= 68 (n,n') Level
Legendre Coefficients

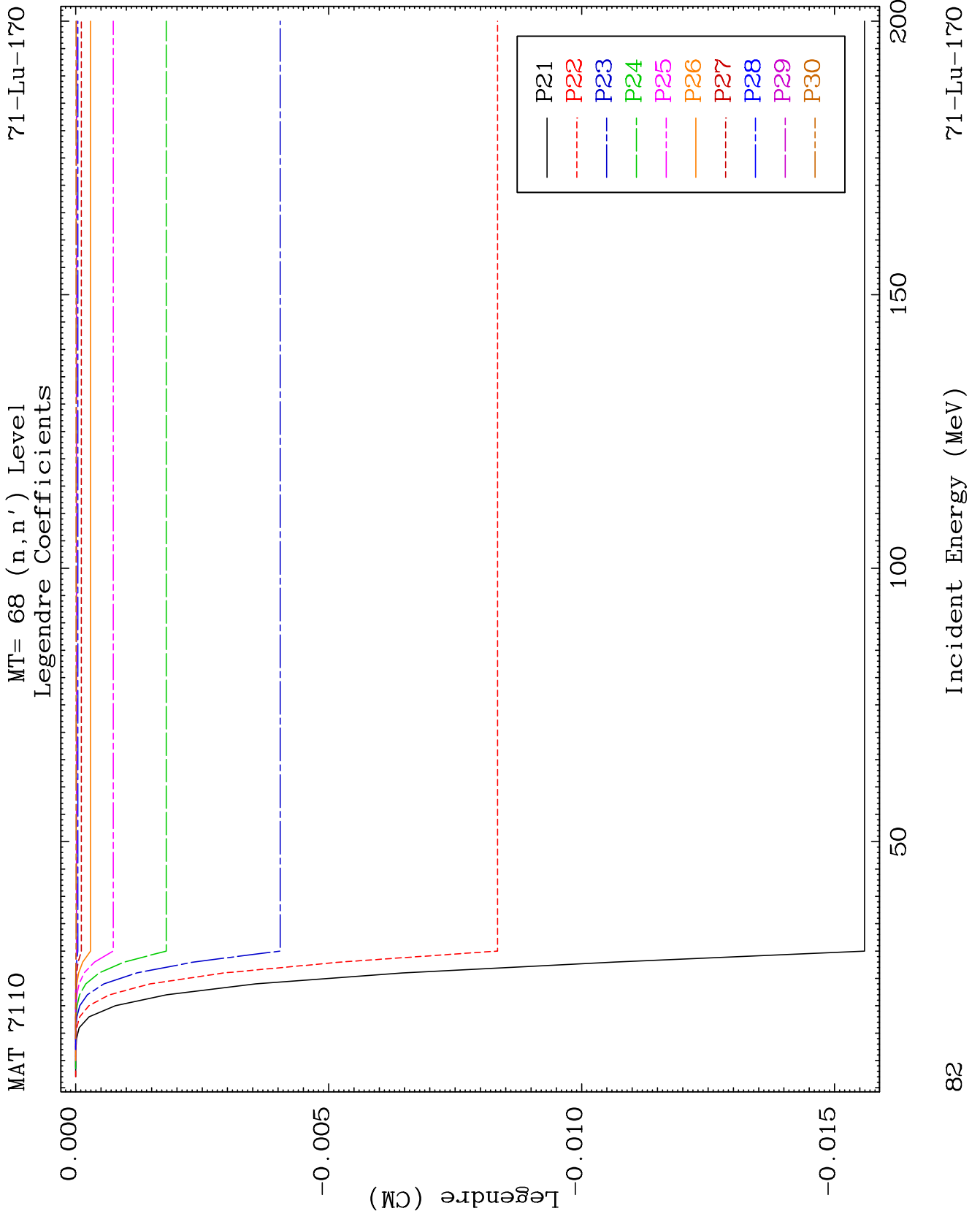
71-Lu-170

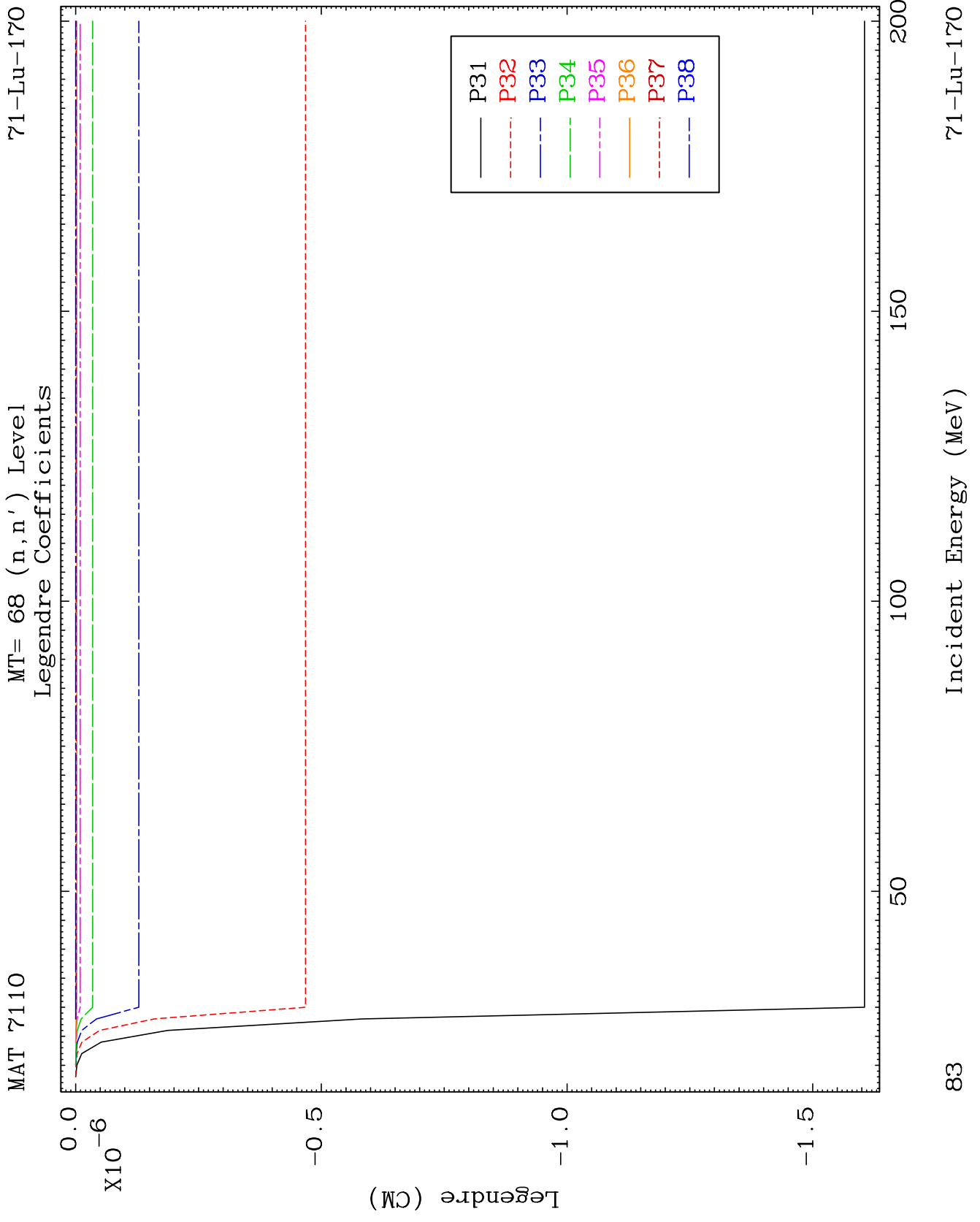


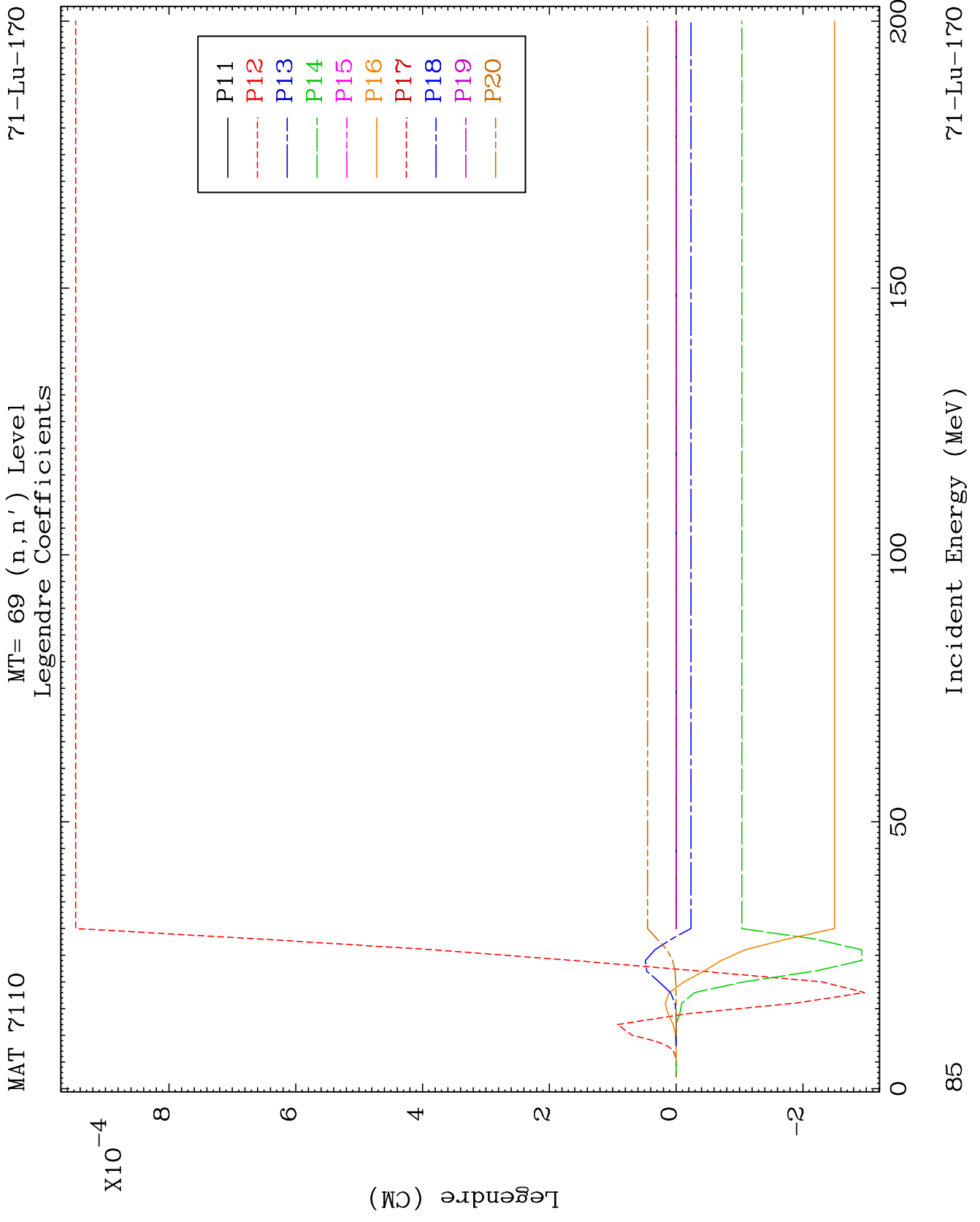
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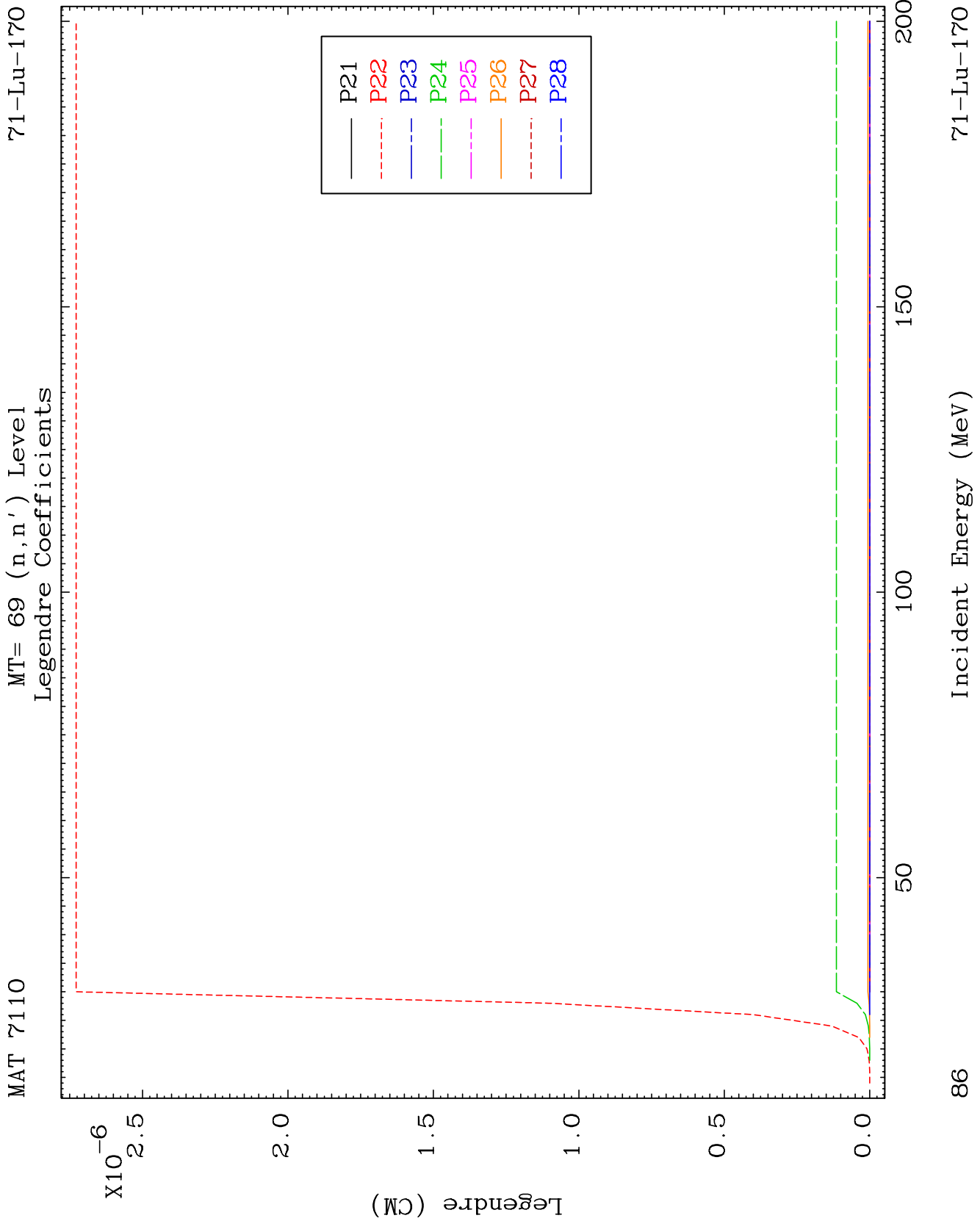
Incident Energy (MeV)

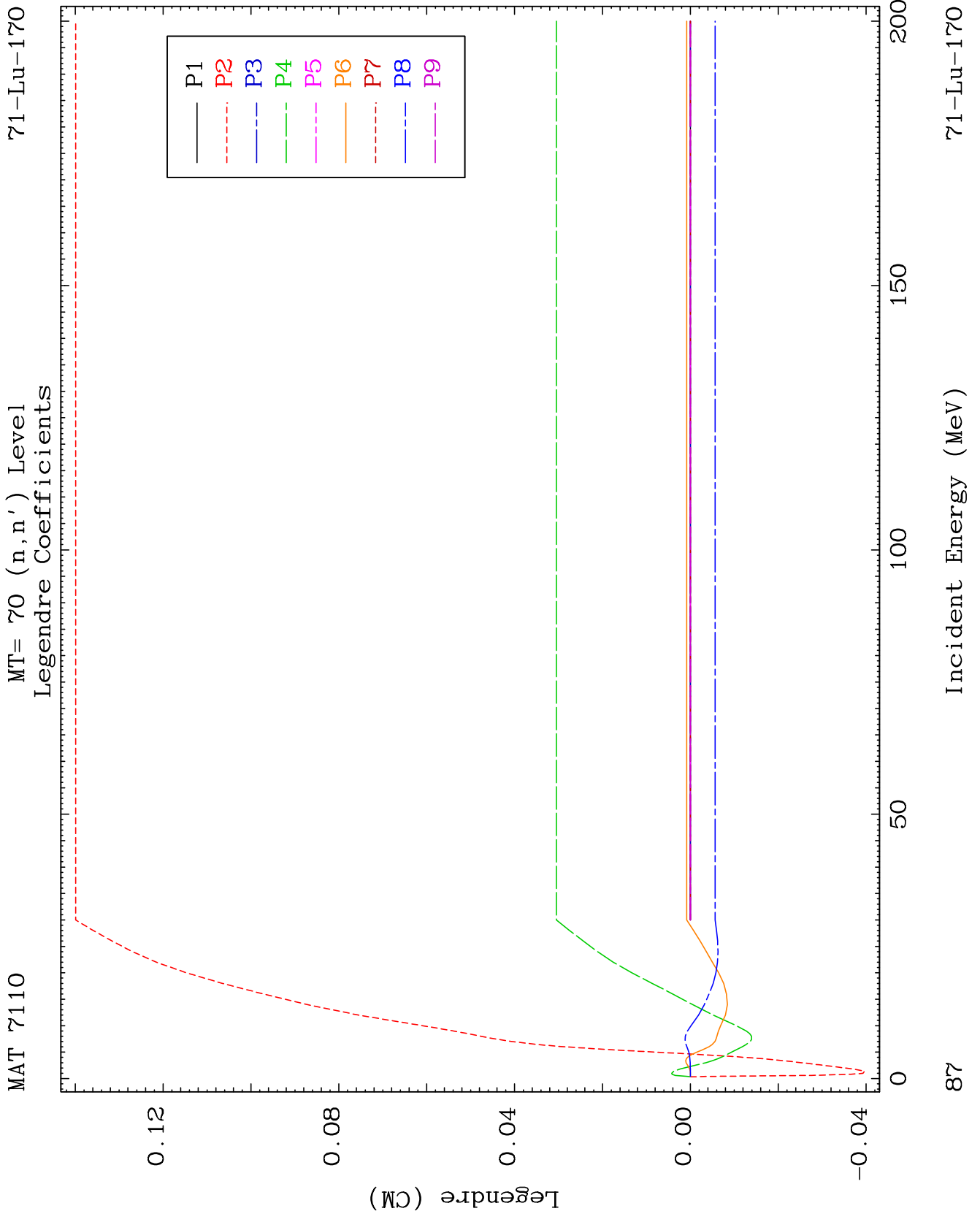
71-Lu-170

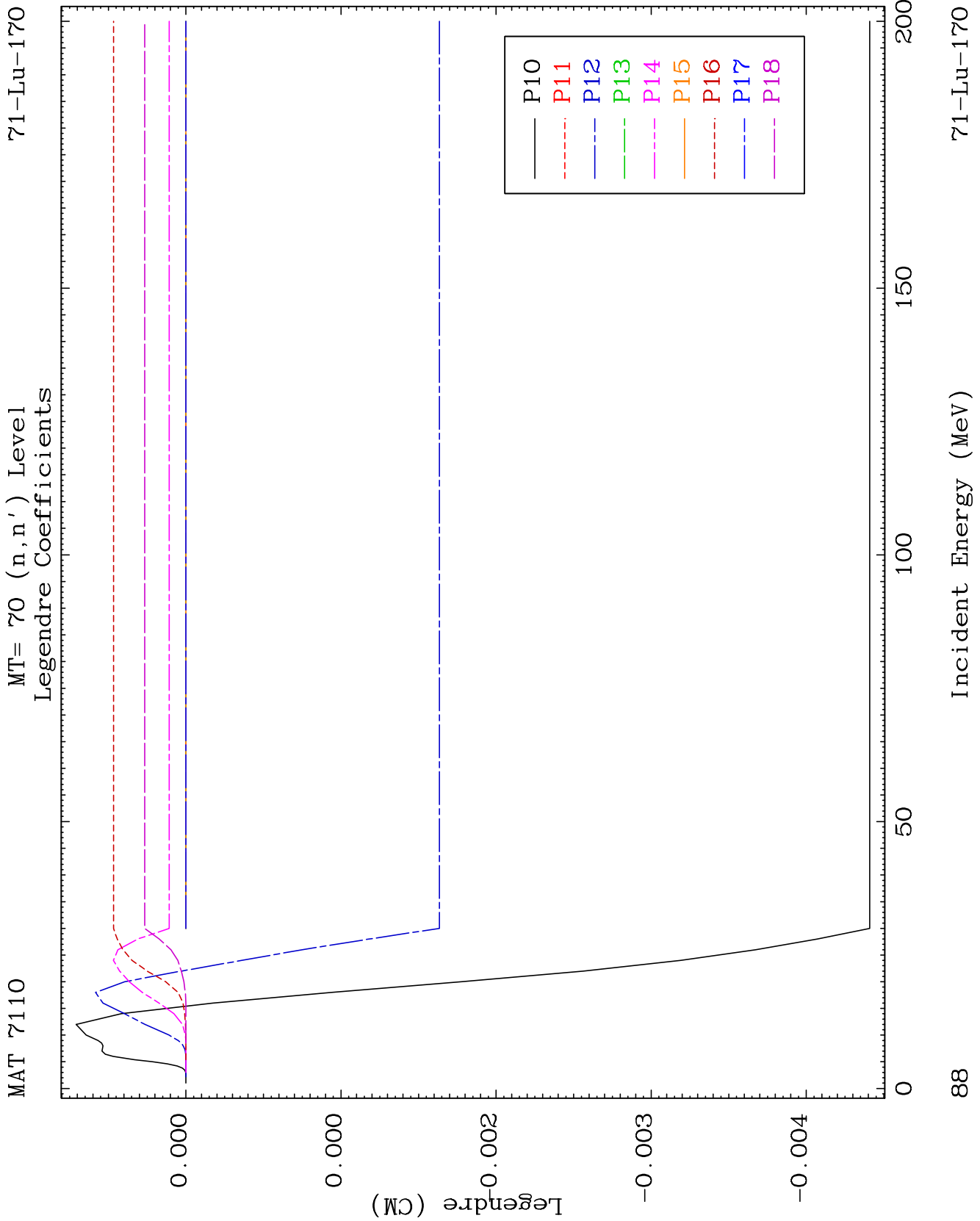


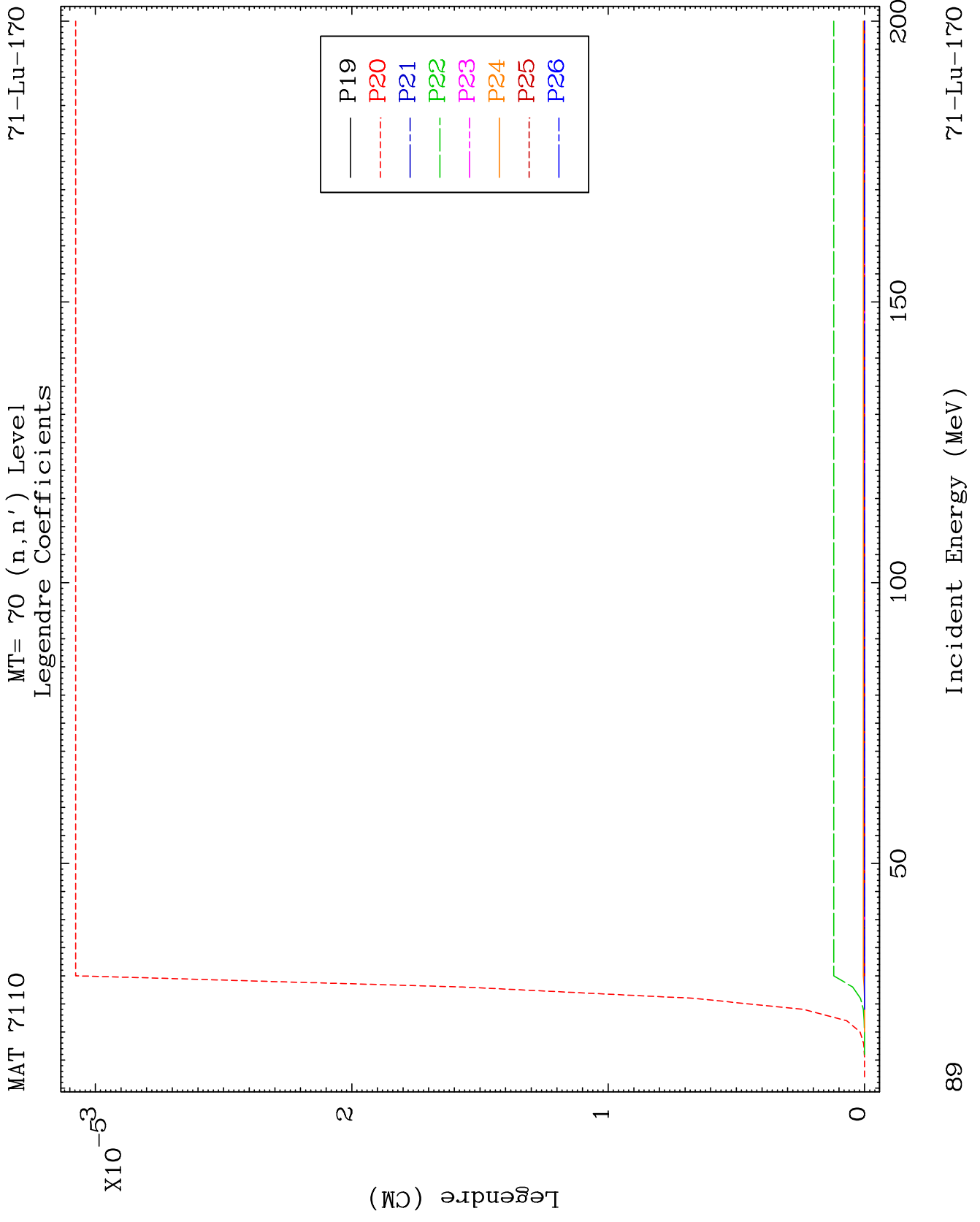


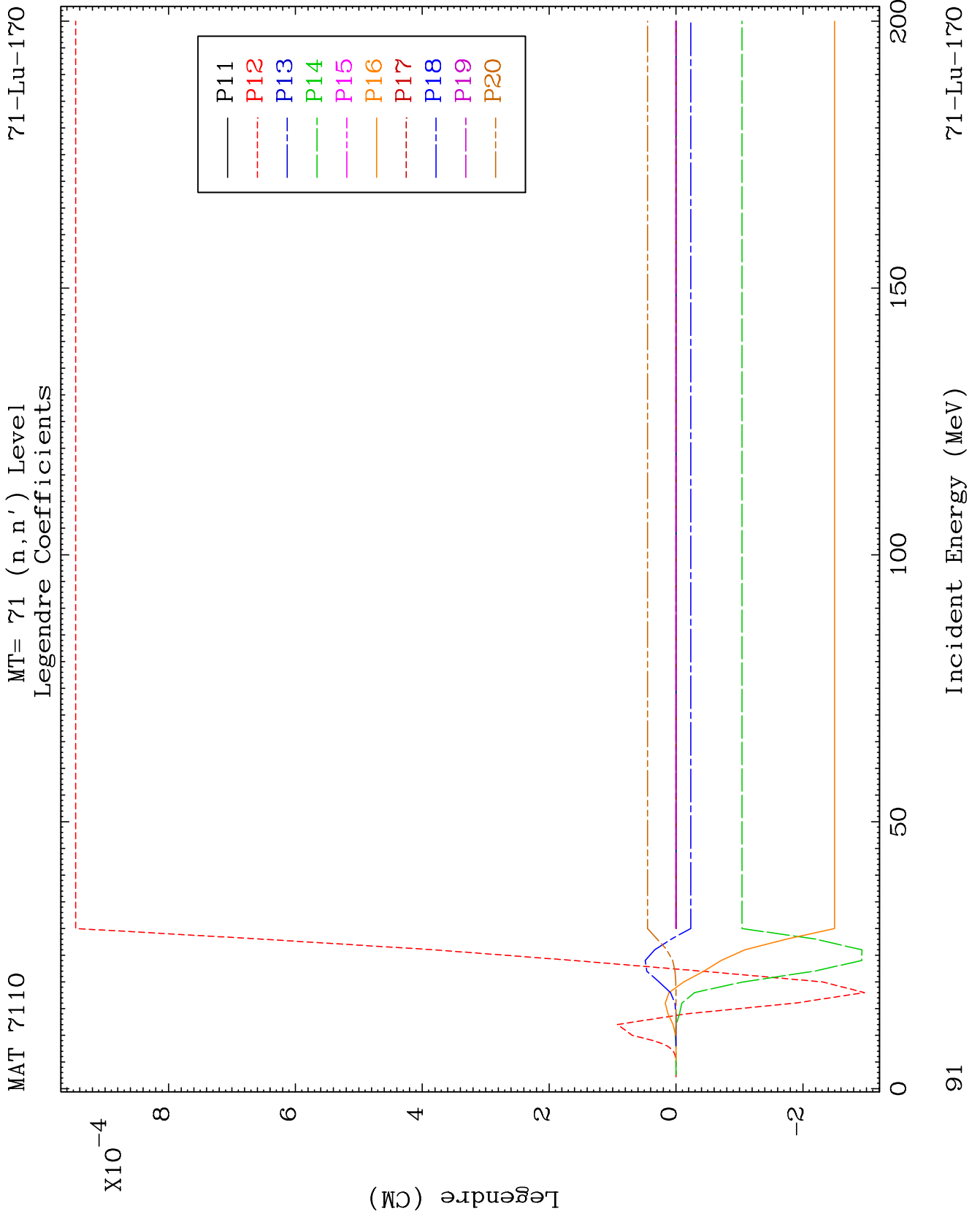


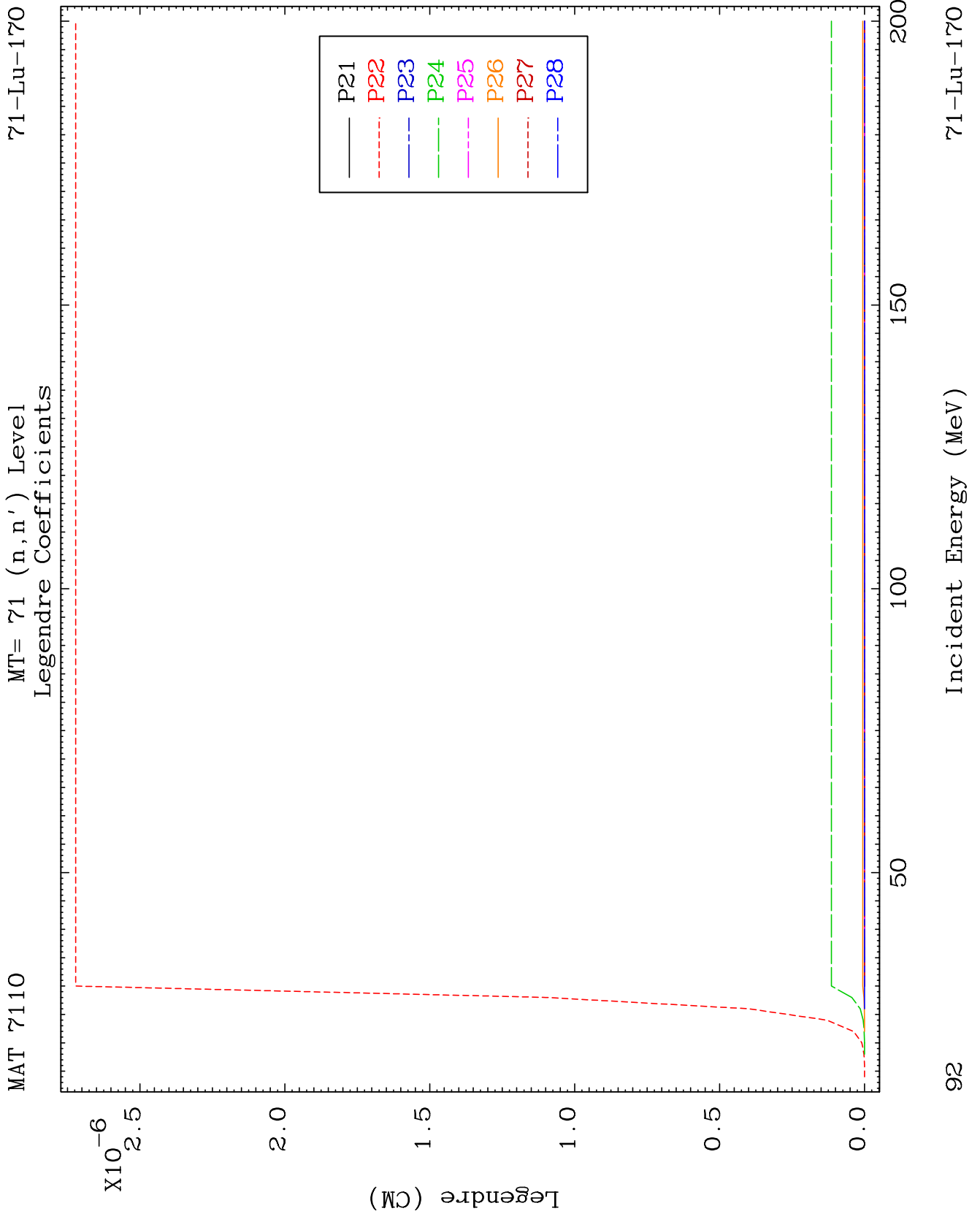








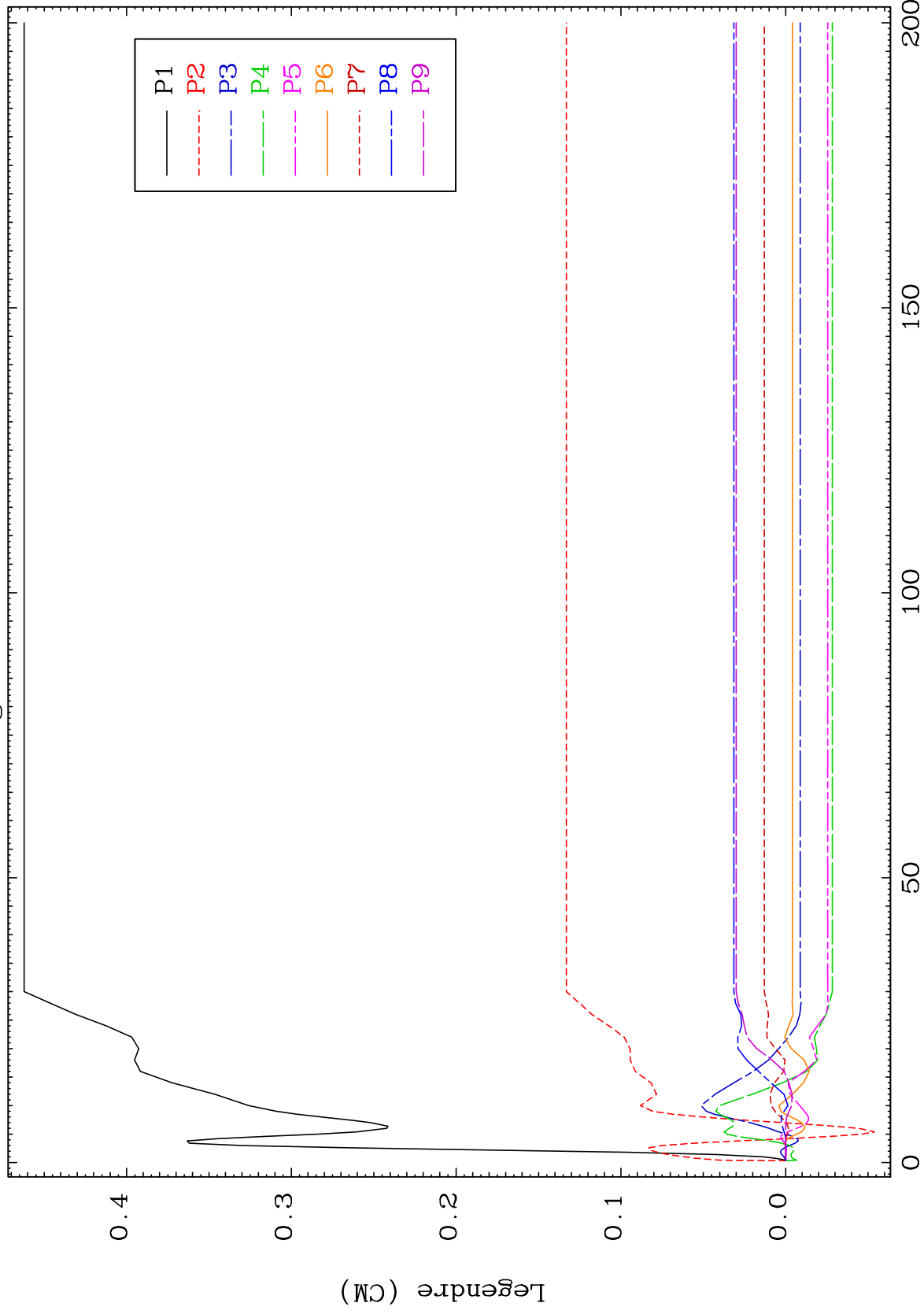




MAT 7110

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

71-Lu-170



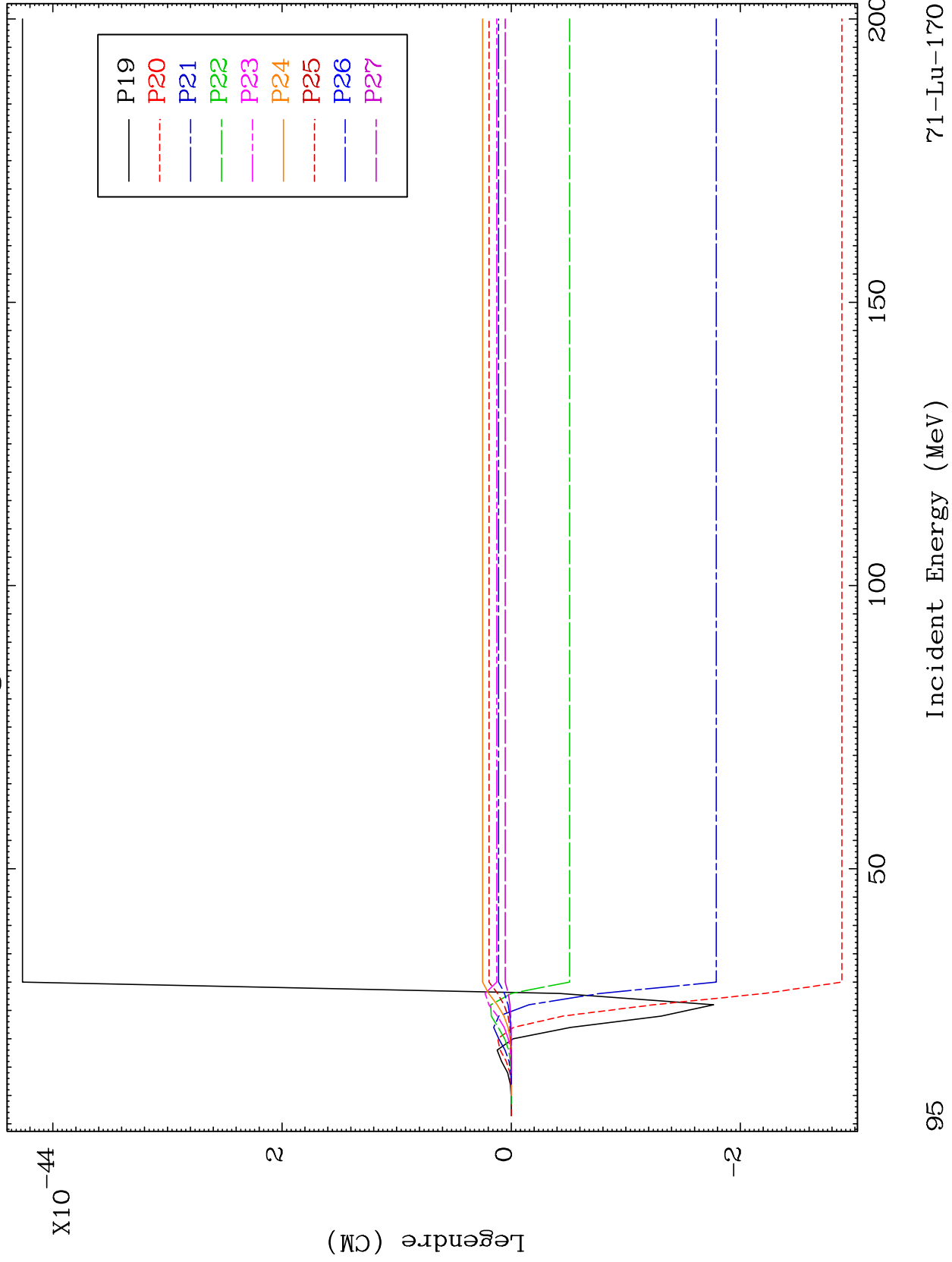
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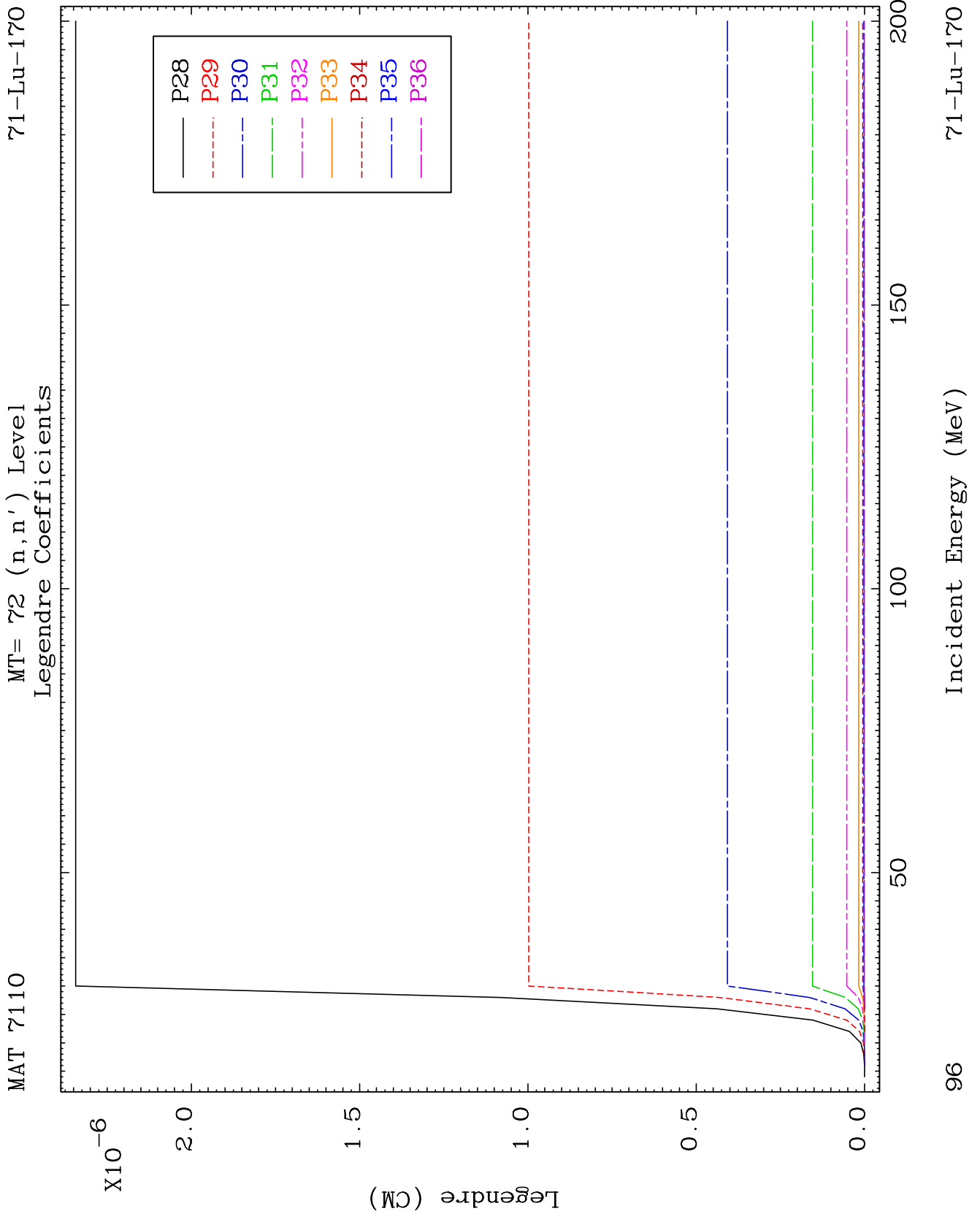
71-Lu-170

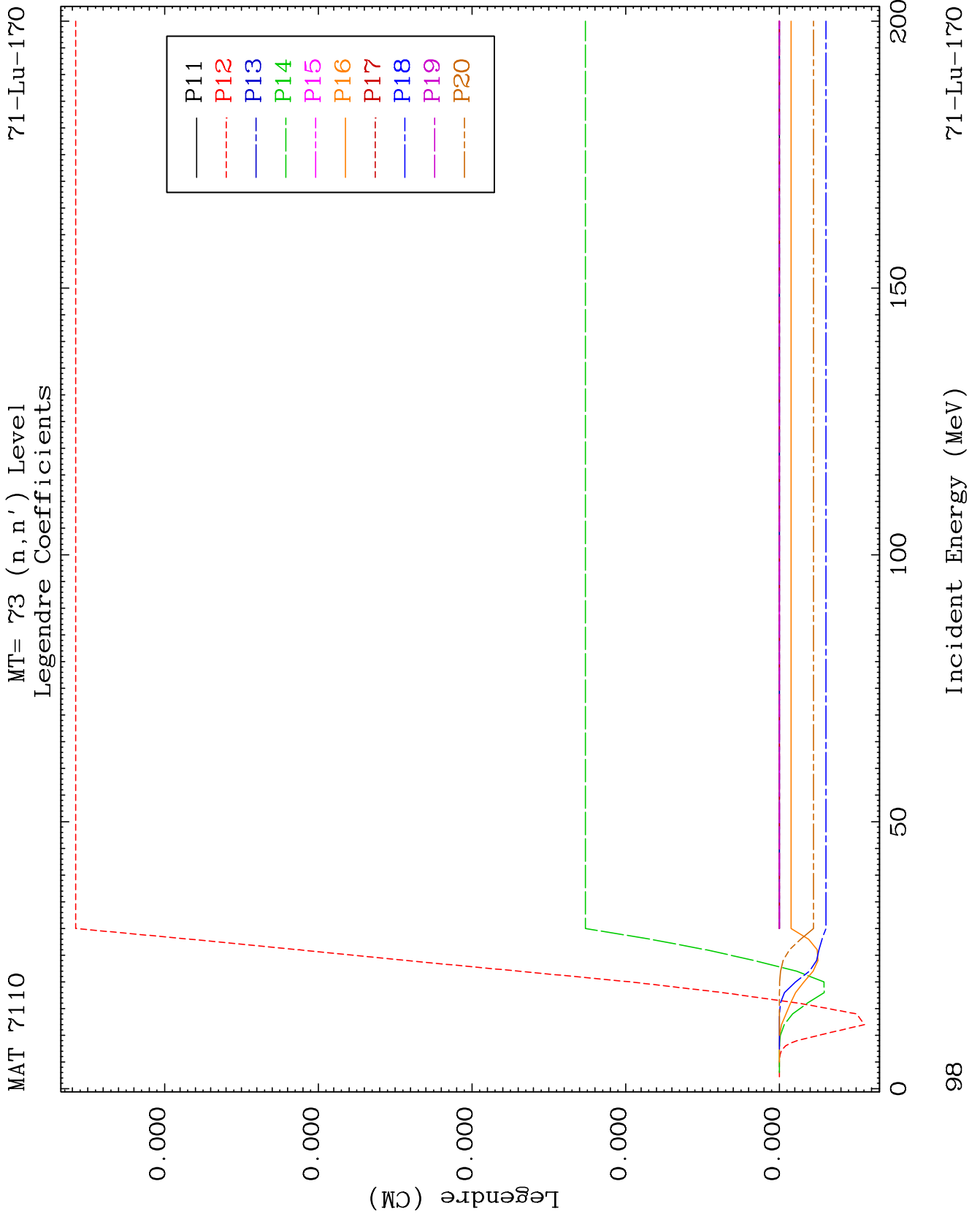
MAT 7110

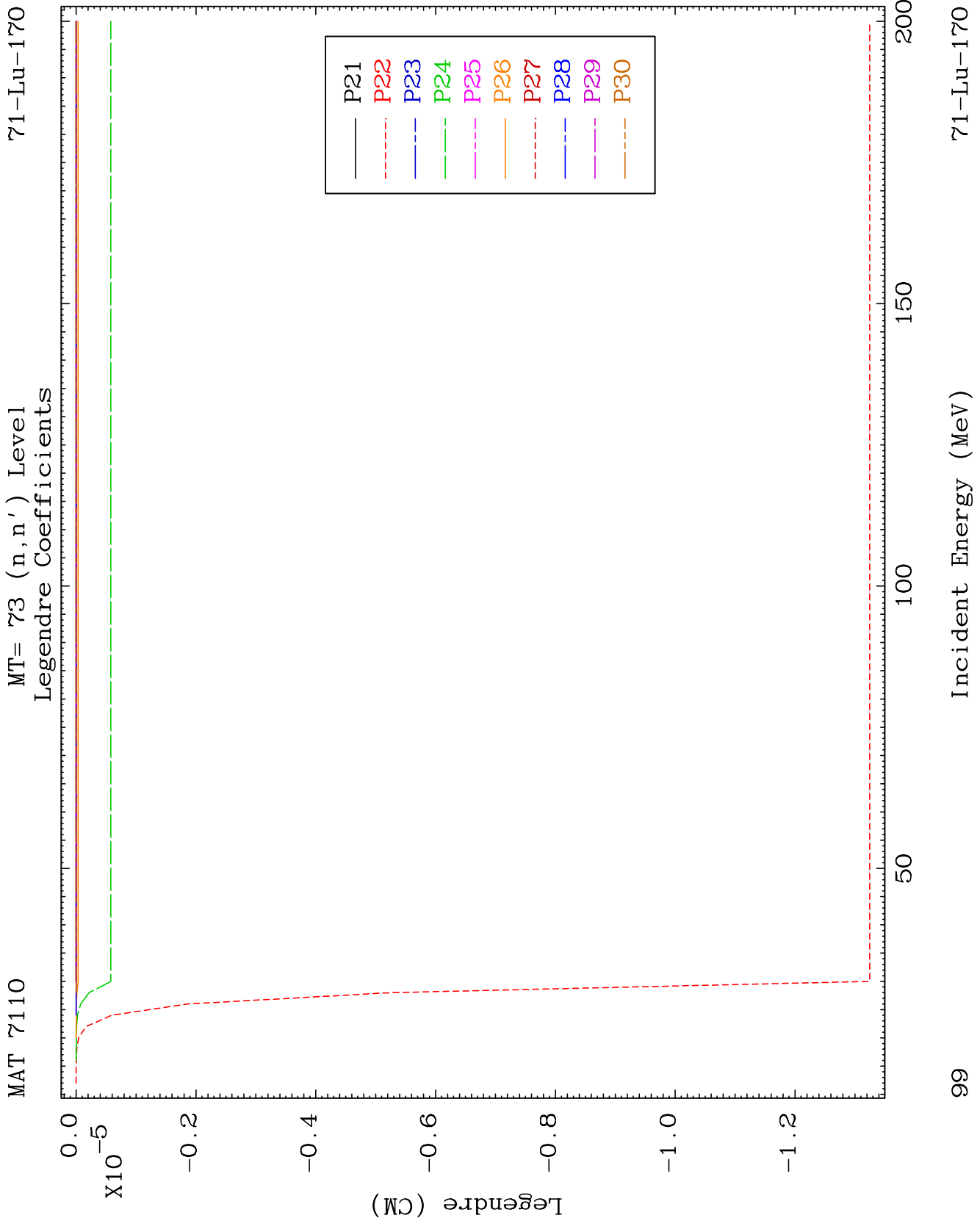
MT= 72 (n,n') Level
Legendre Coefficients

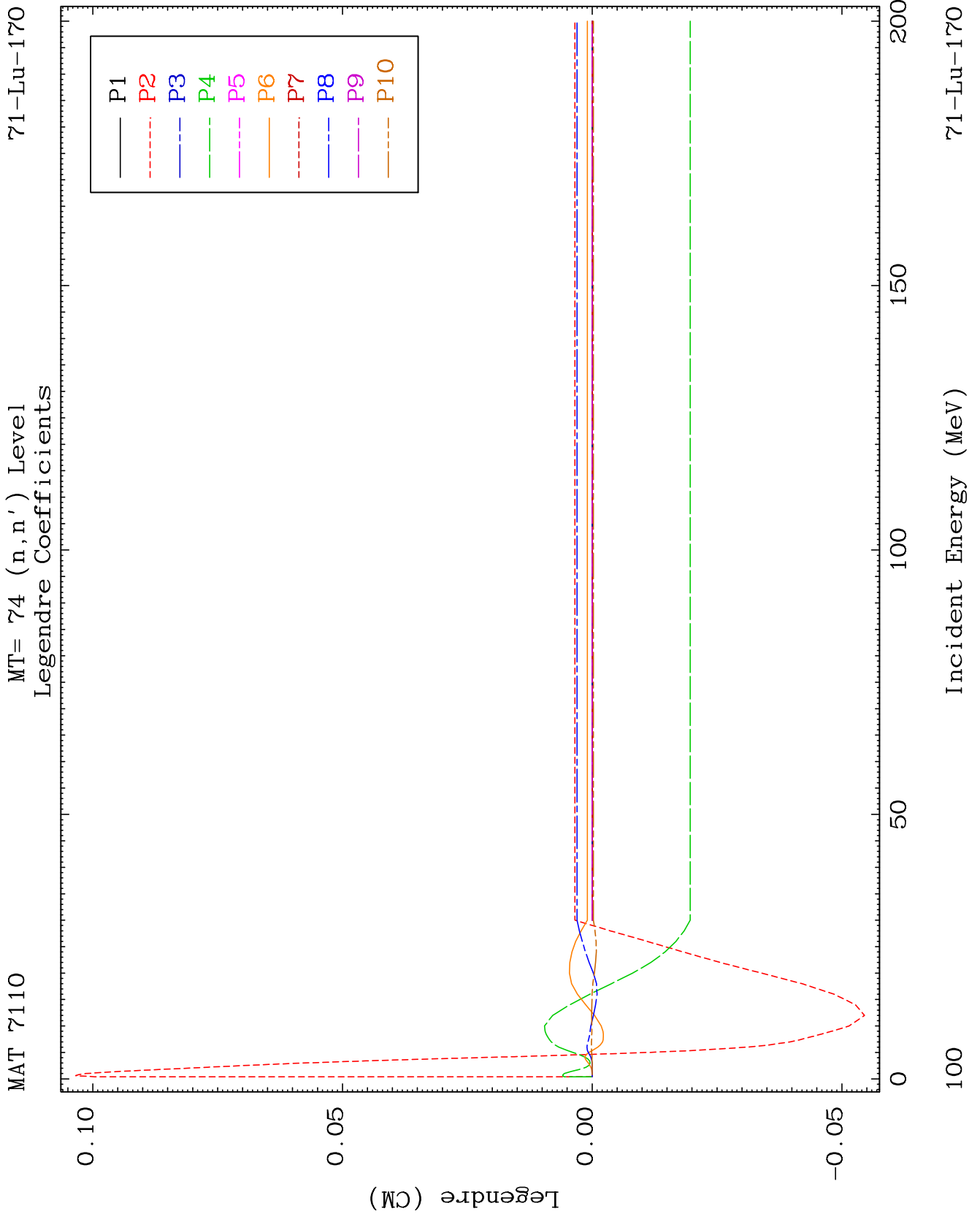
71-Lu-170

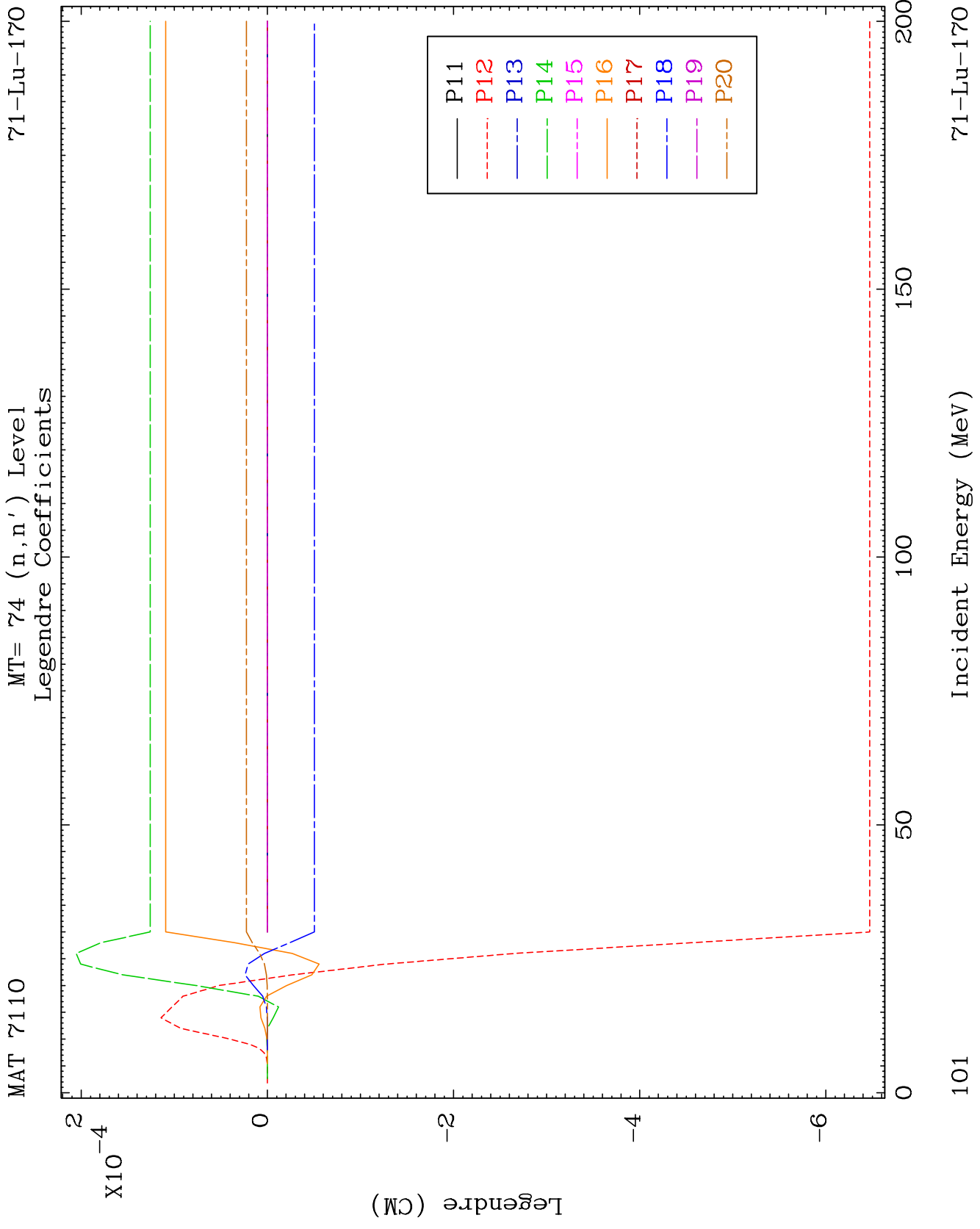


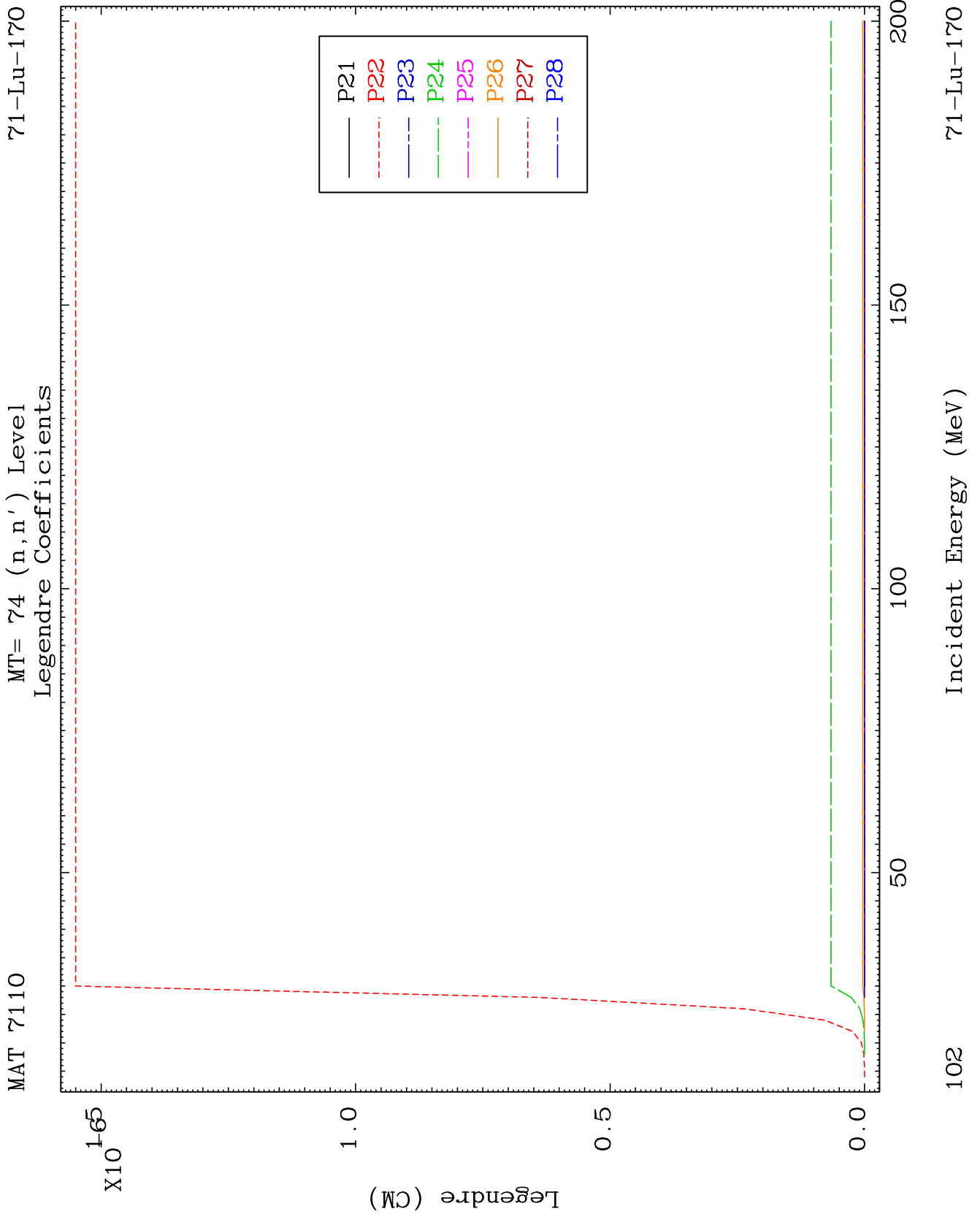


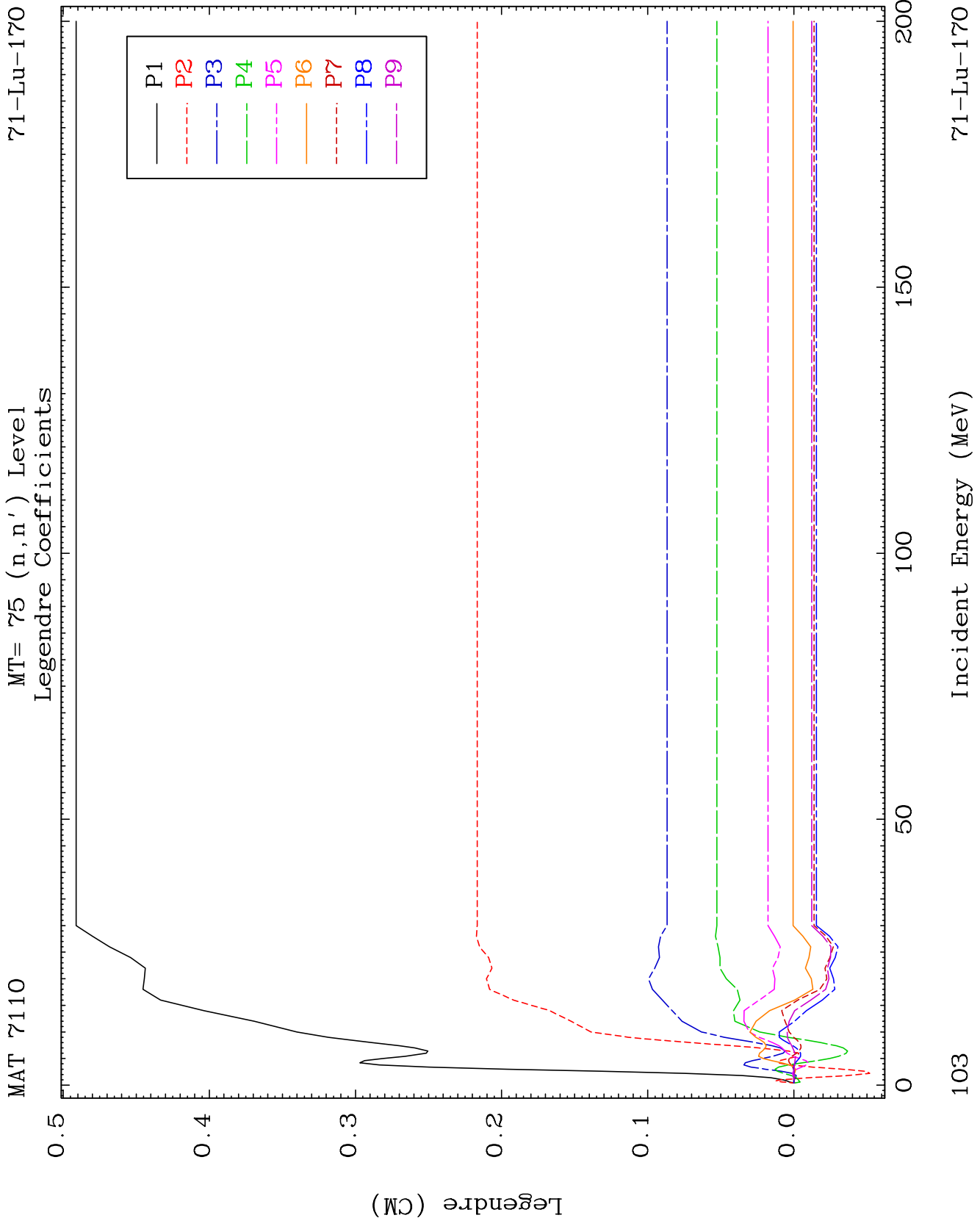


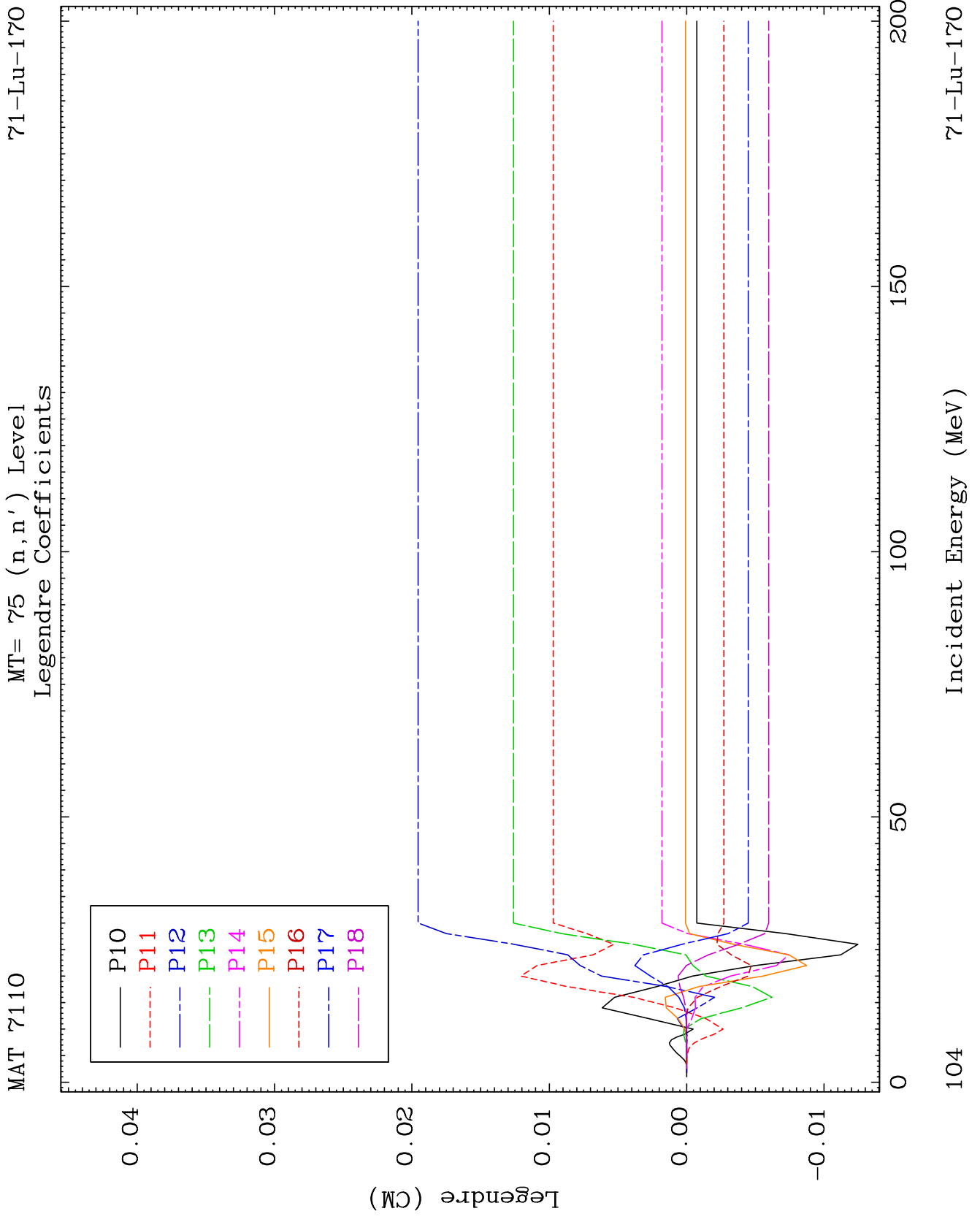


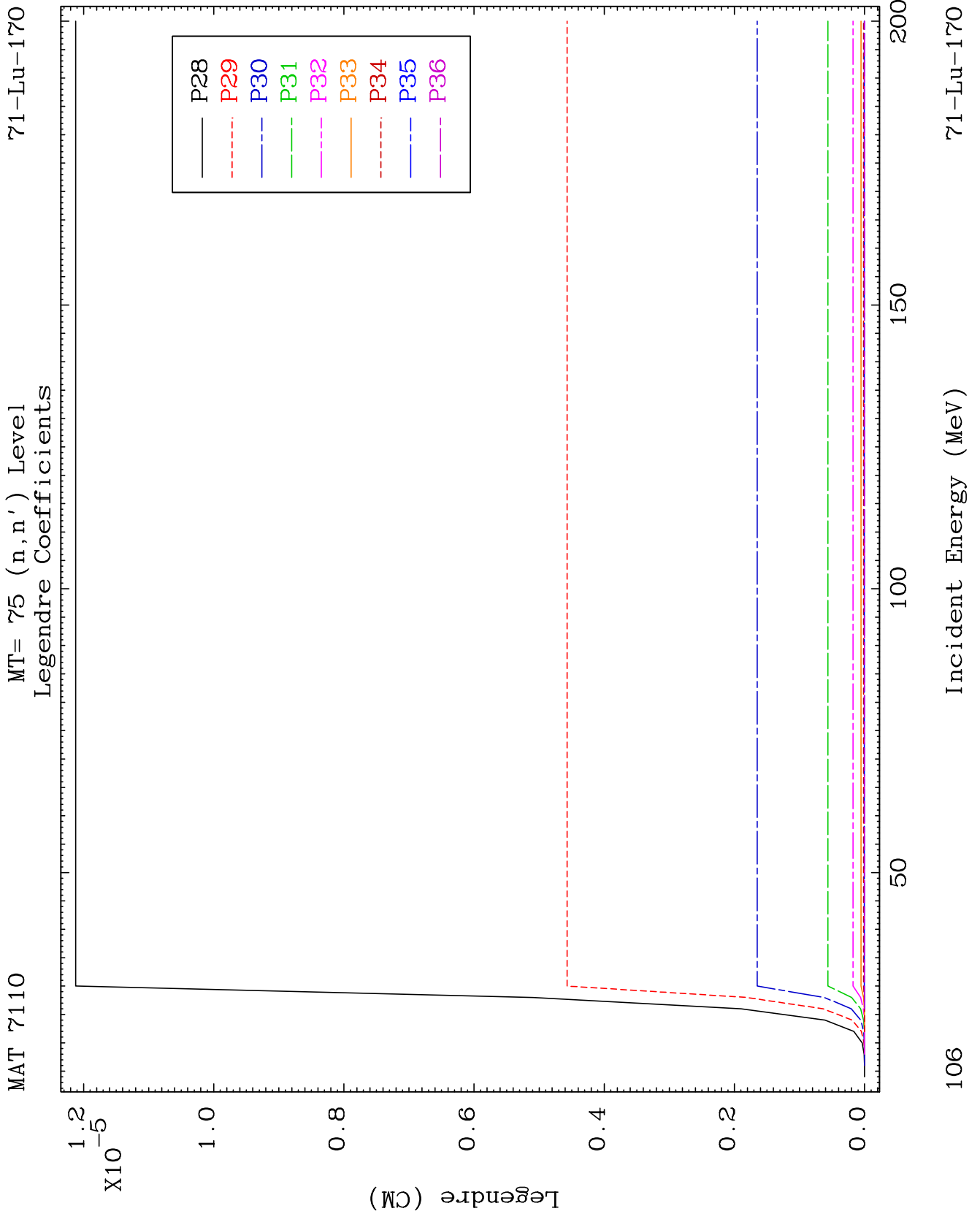


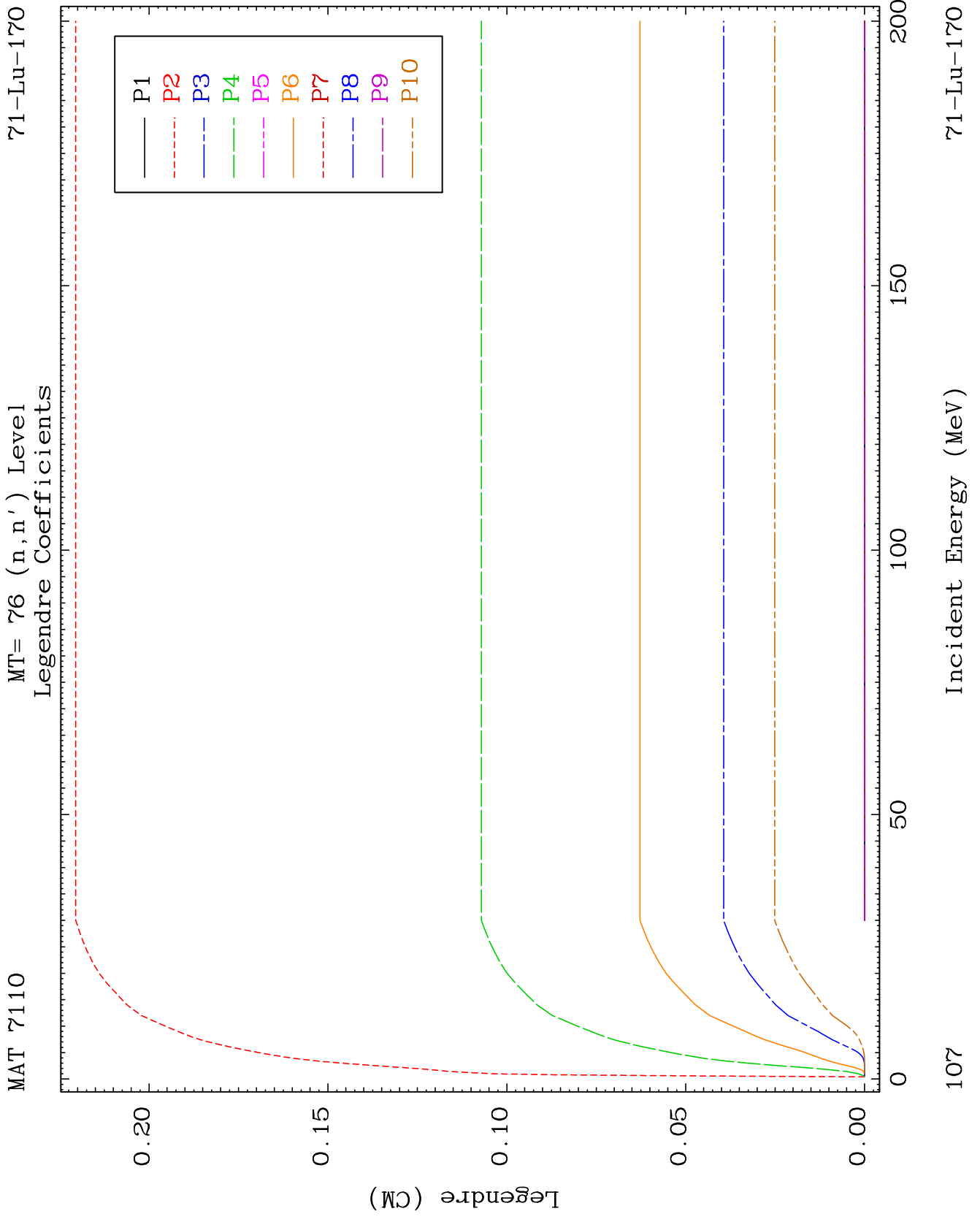


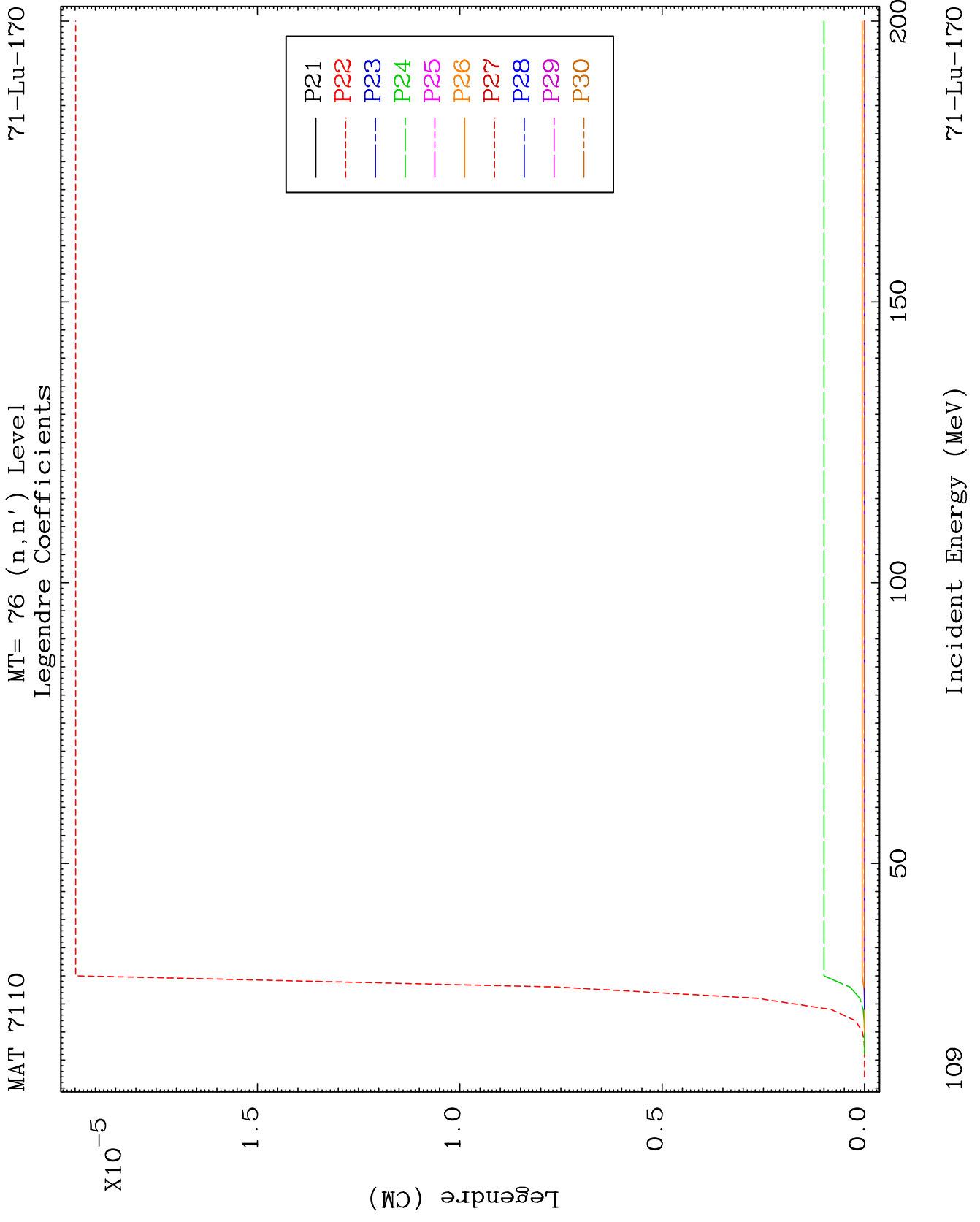








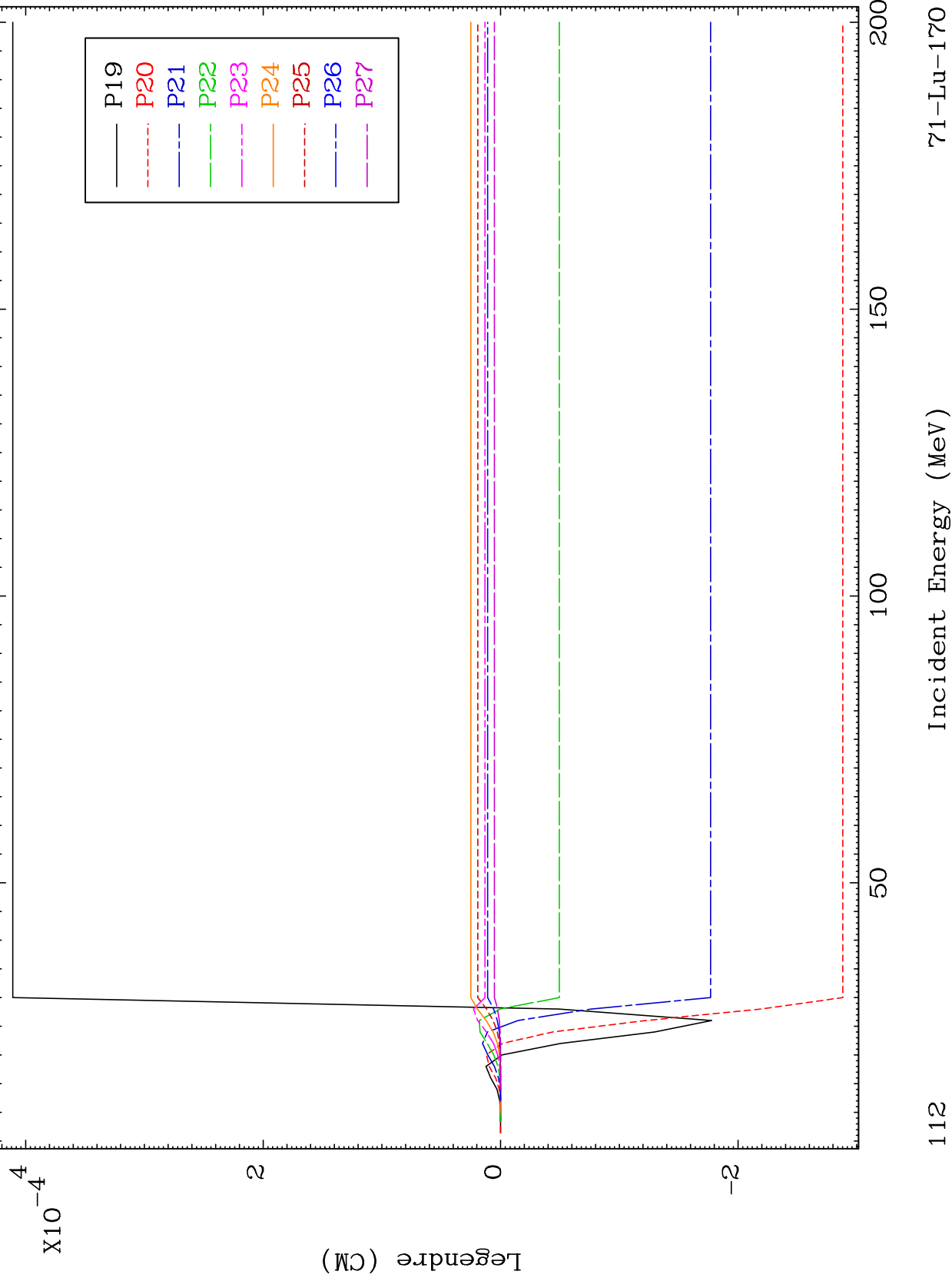




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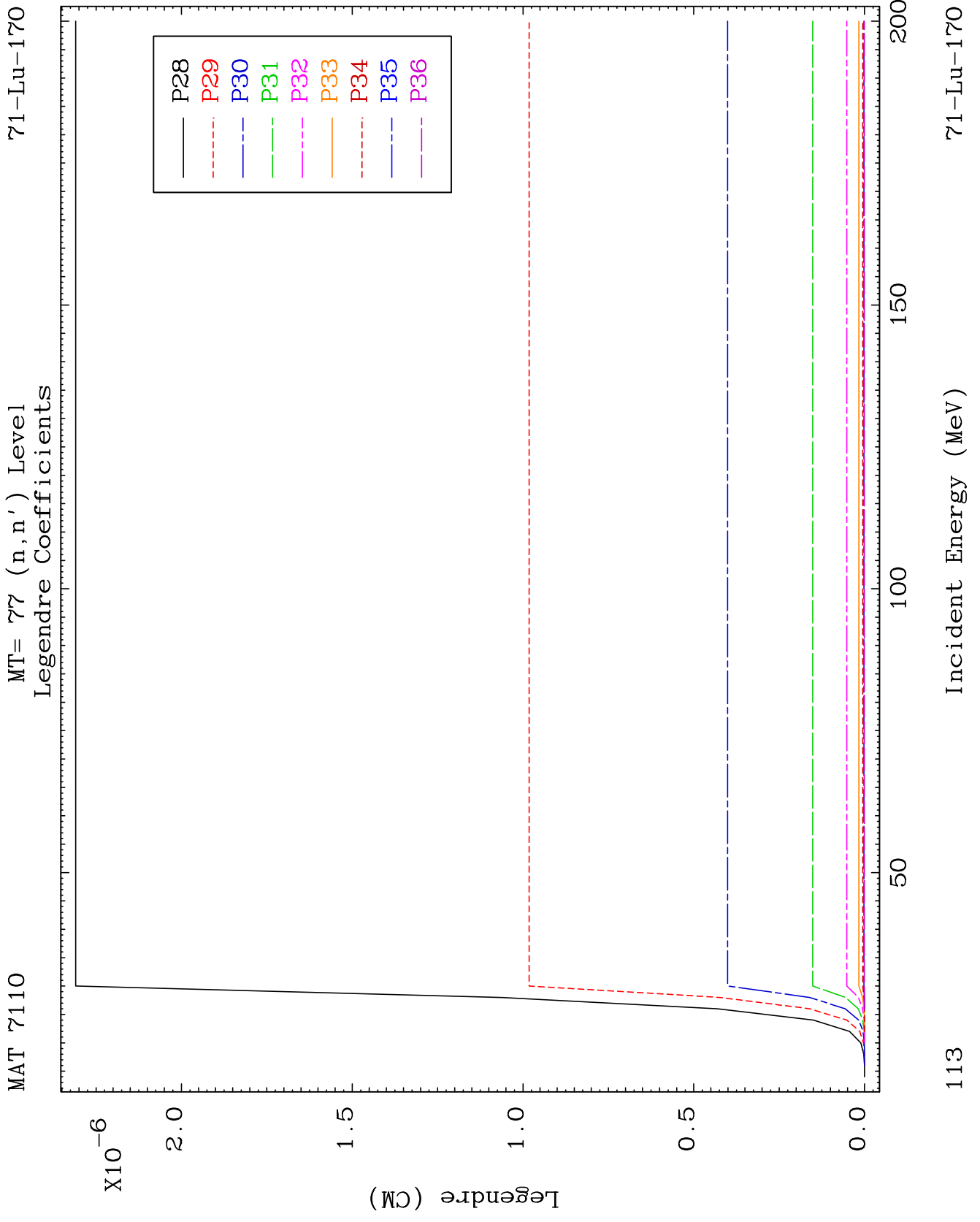
MT= 77 (n,n') Level
Legendre Coefficients

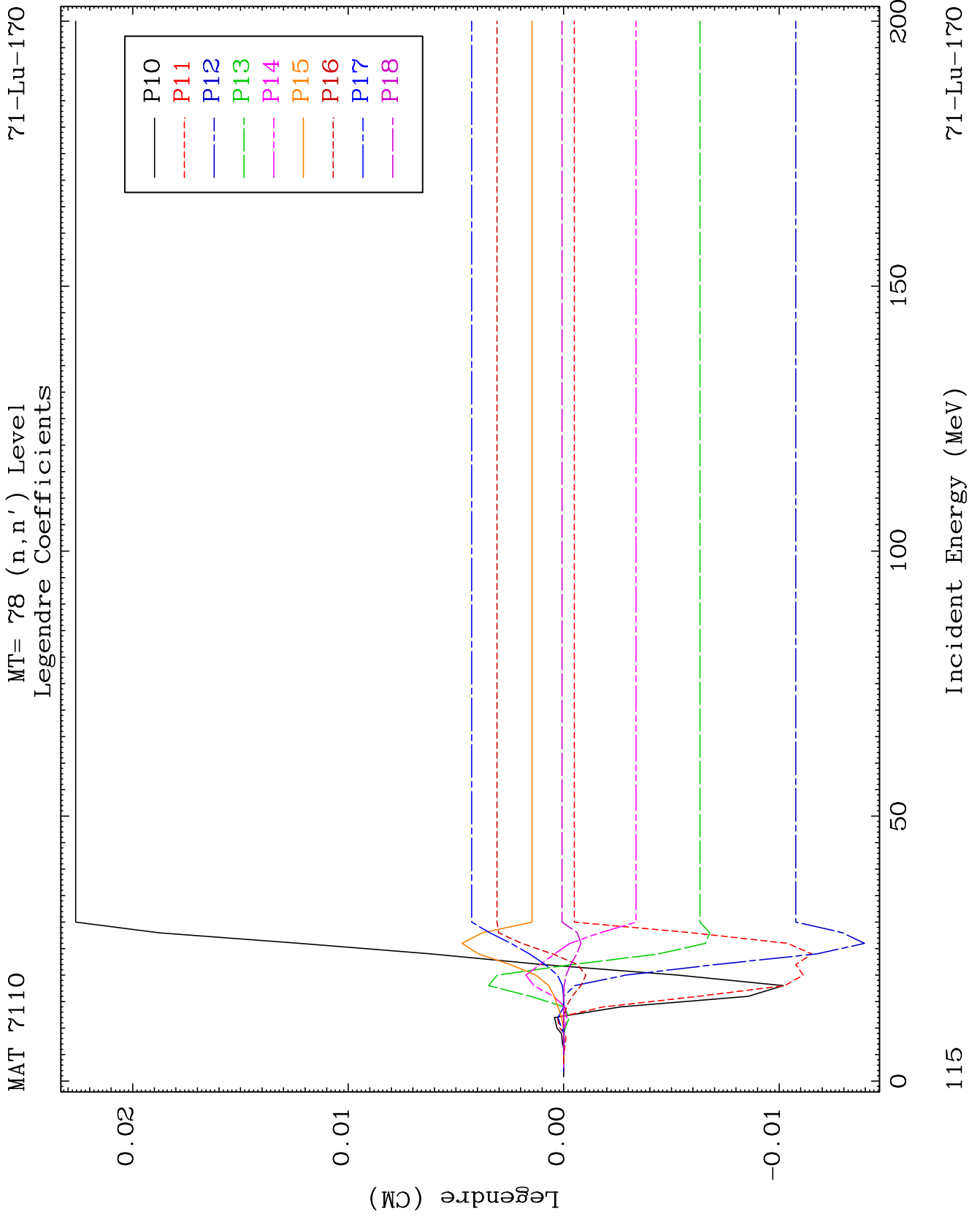
71-Lu-170



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71-Lu-170

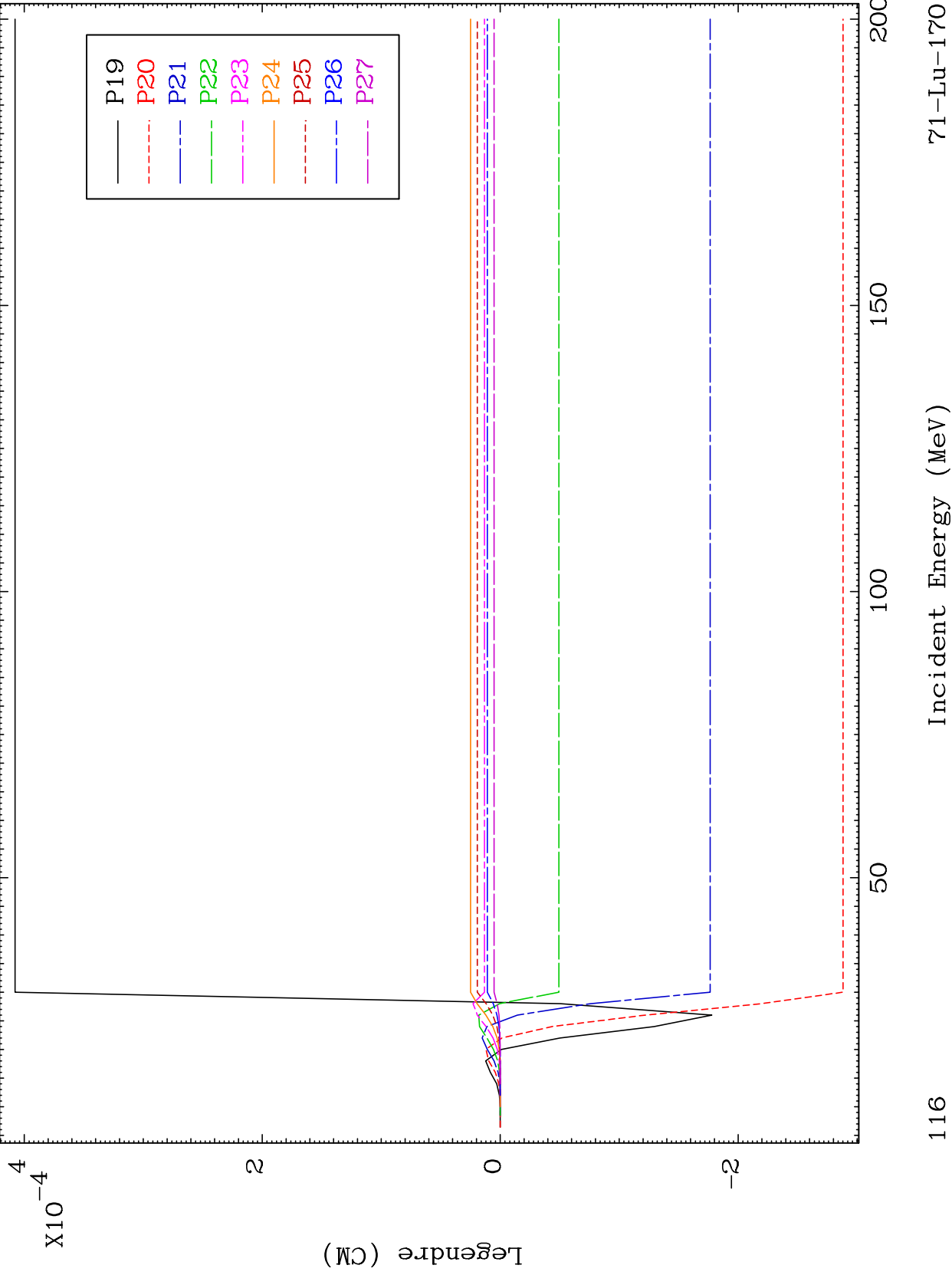




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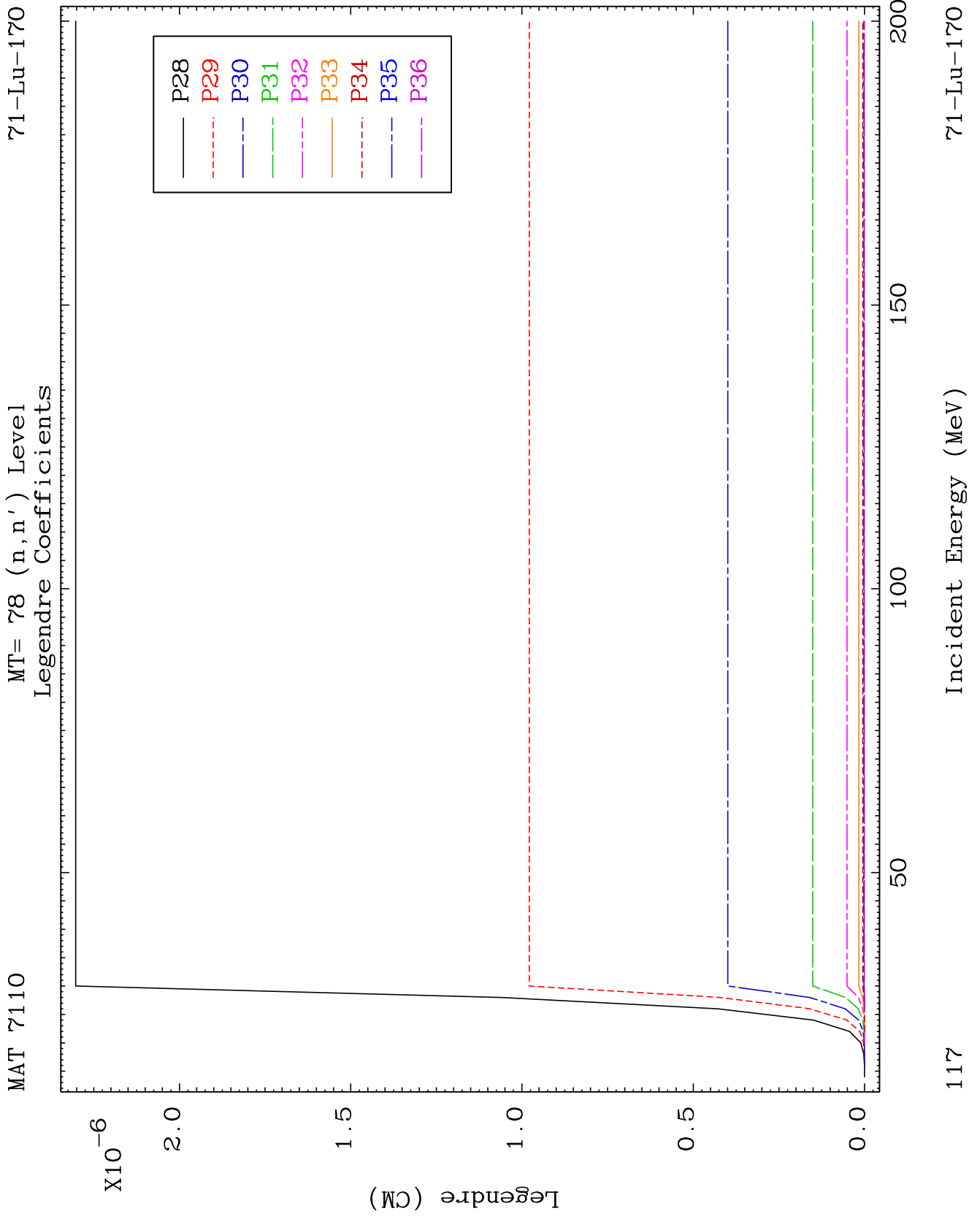
MT= 78 (n,n') Level
Legendre Coefficients

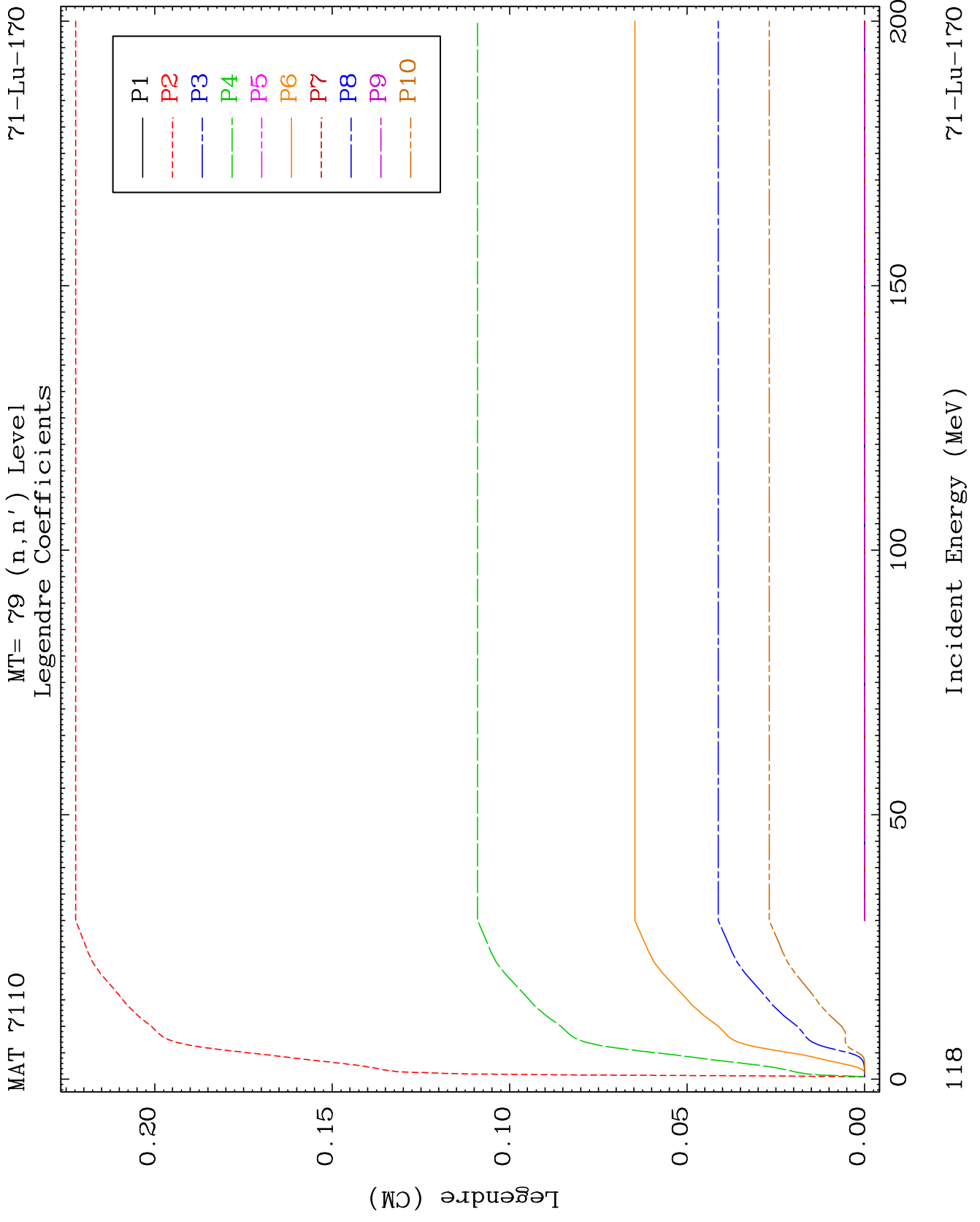
71-Lu-170

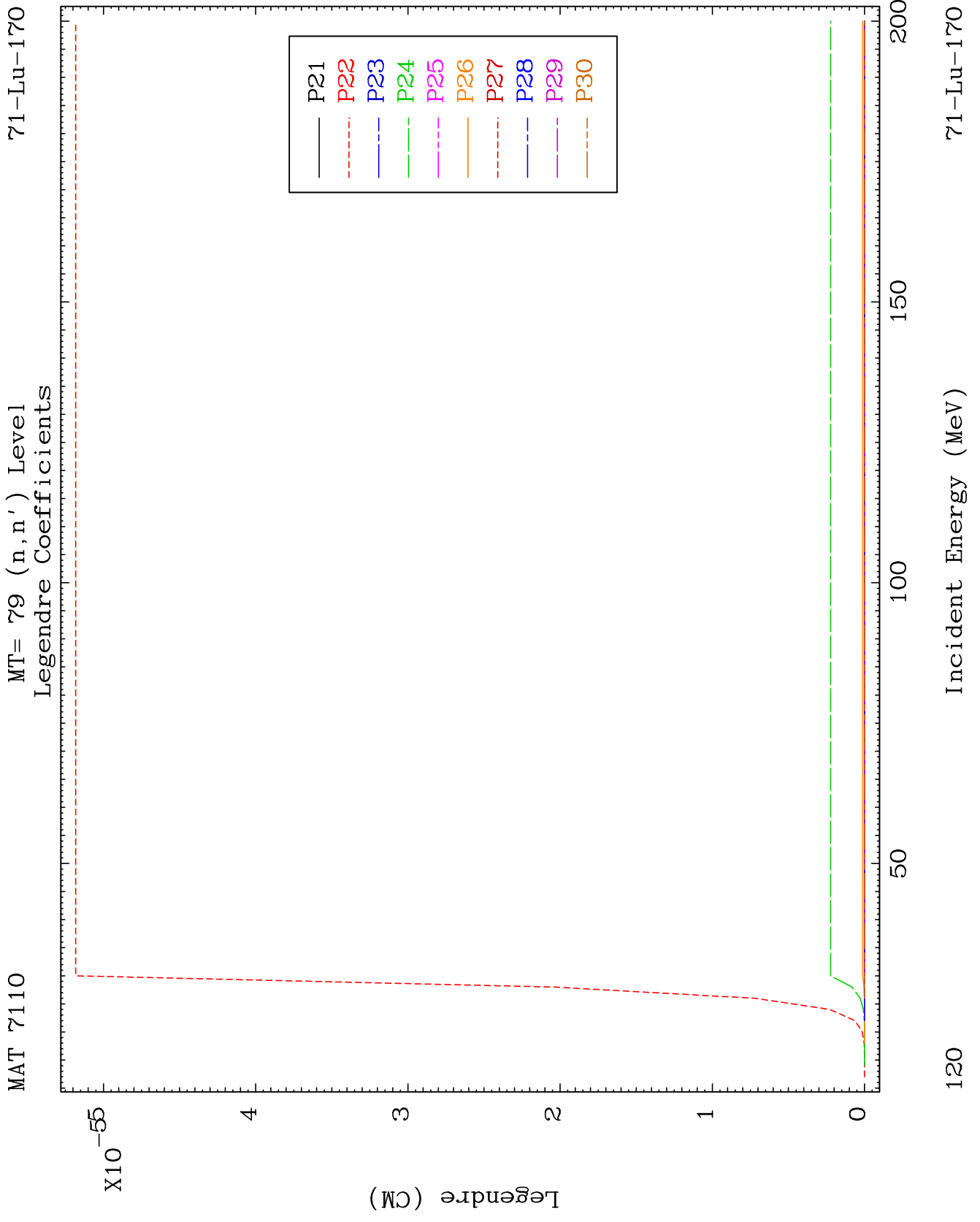


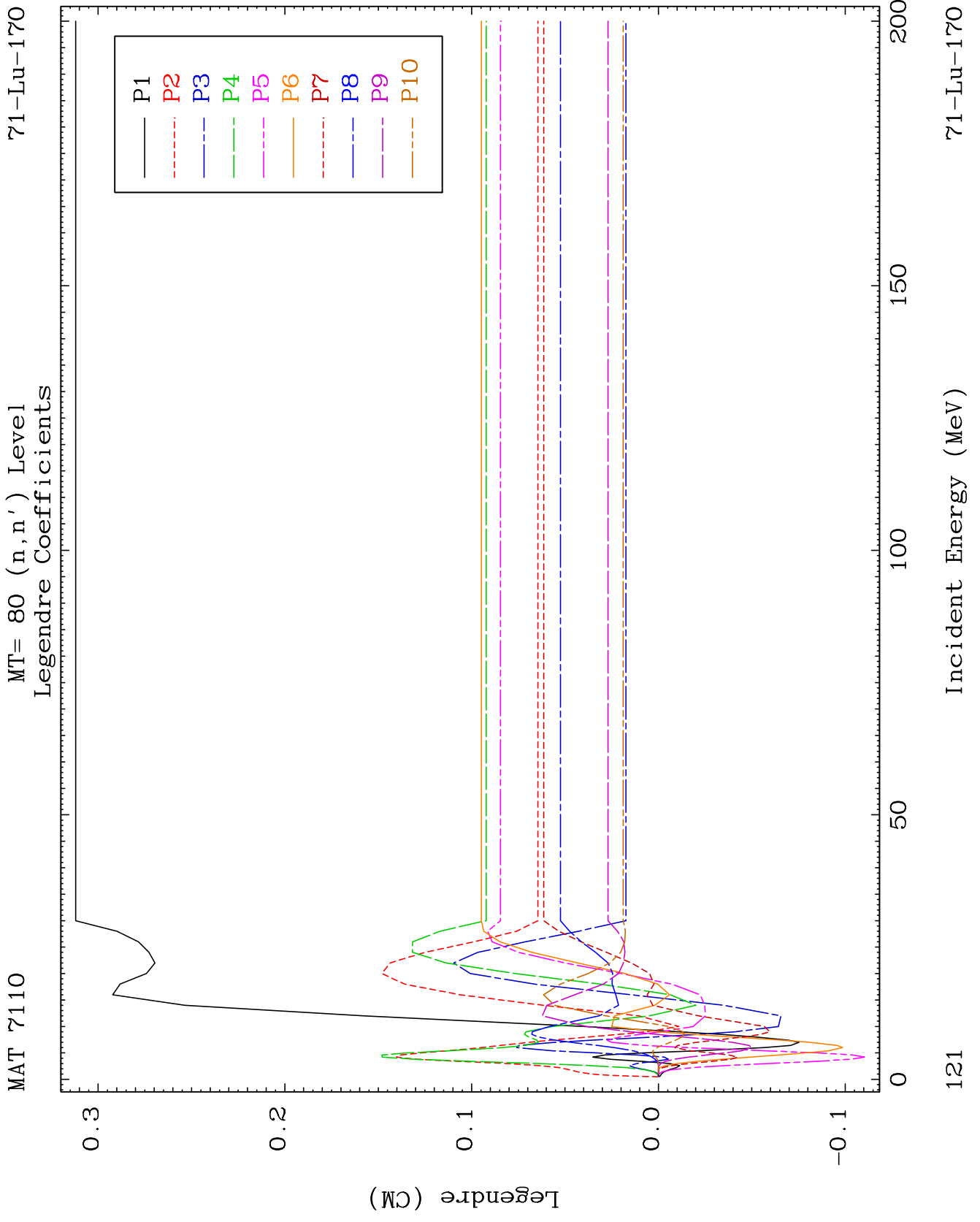
116

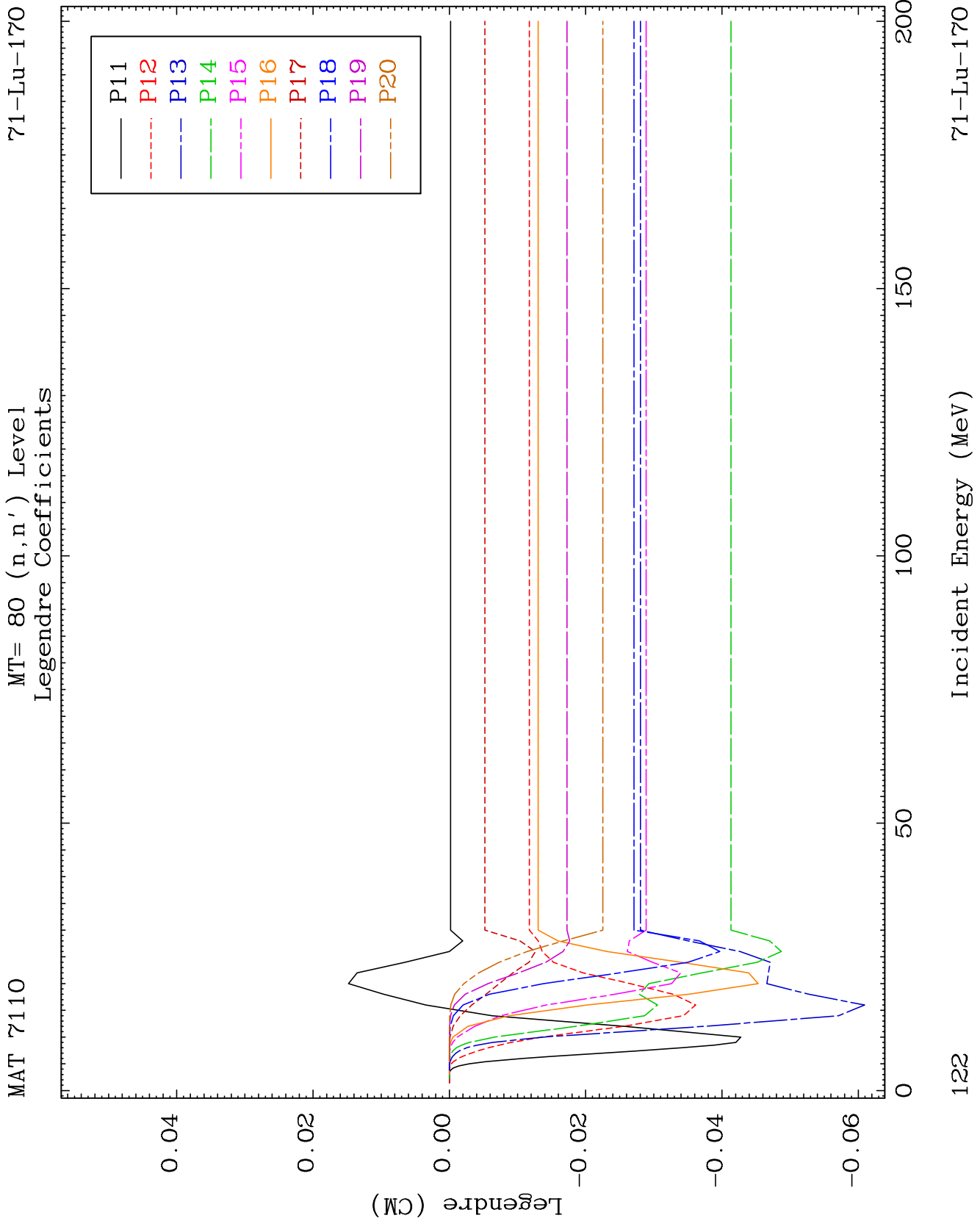
71-Lu-170

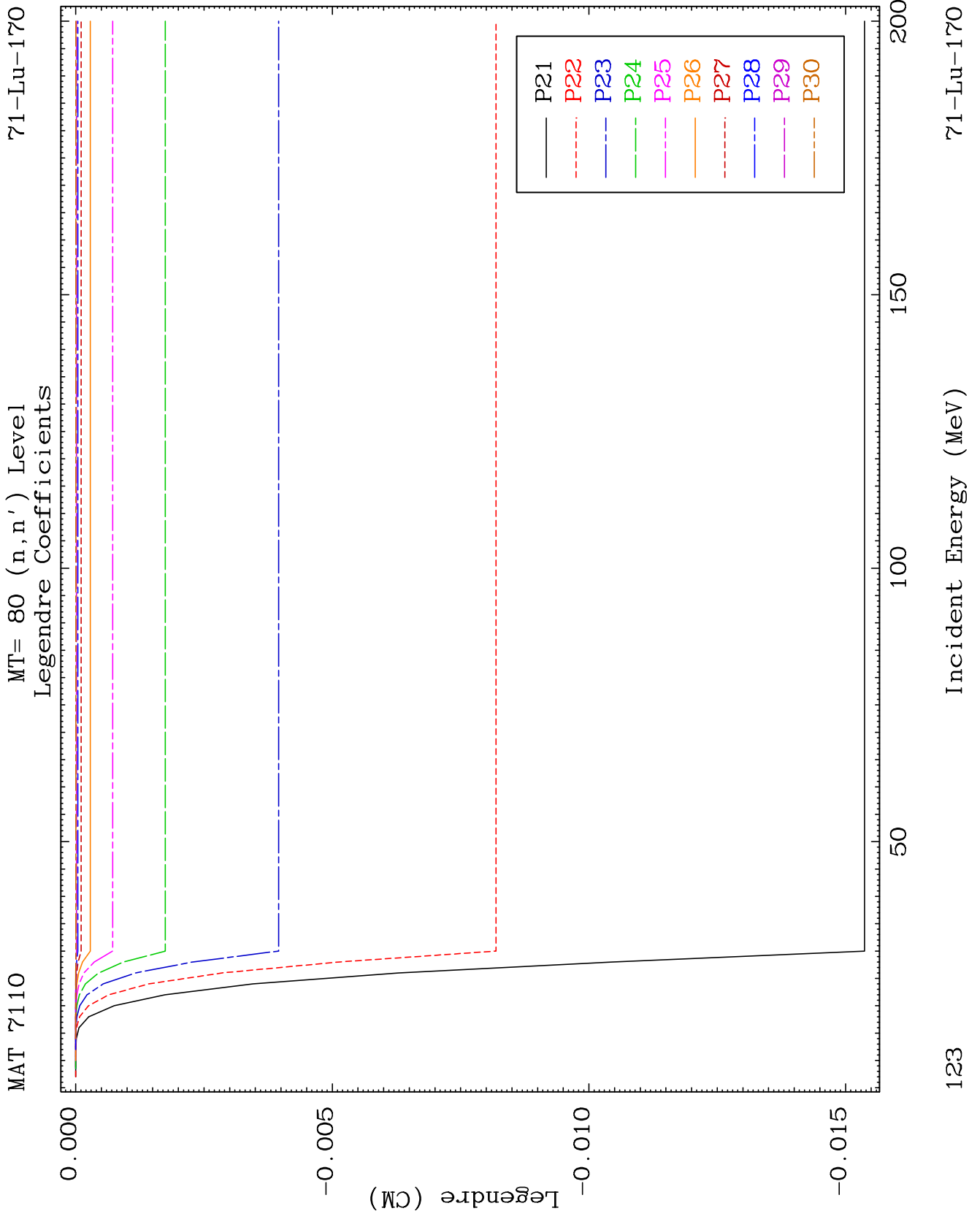


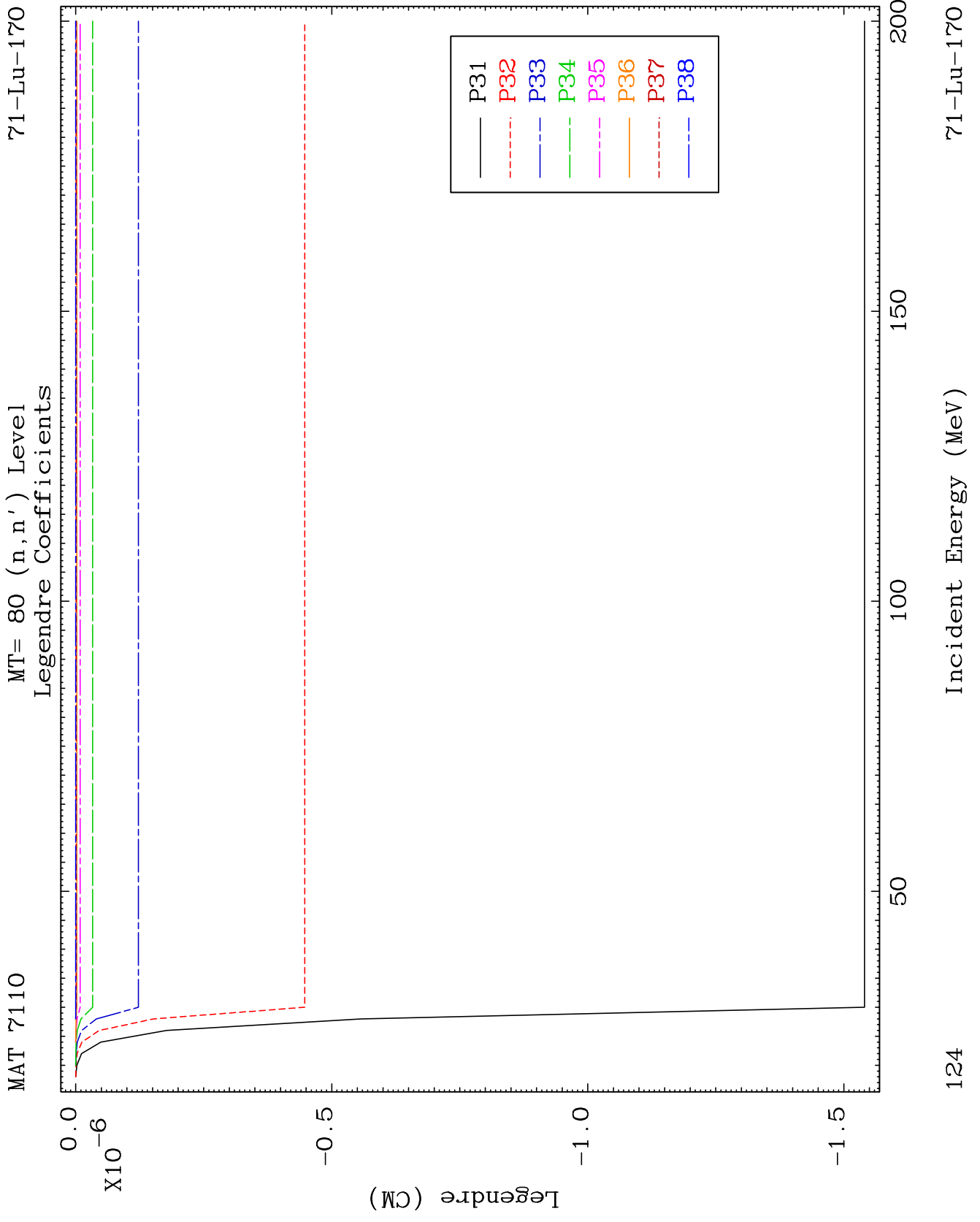








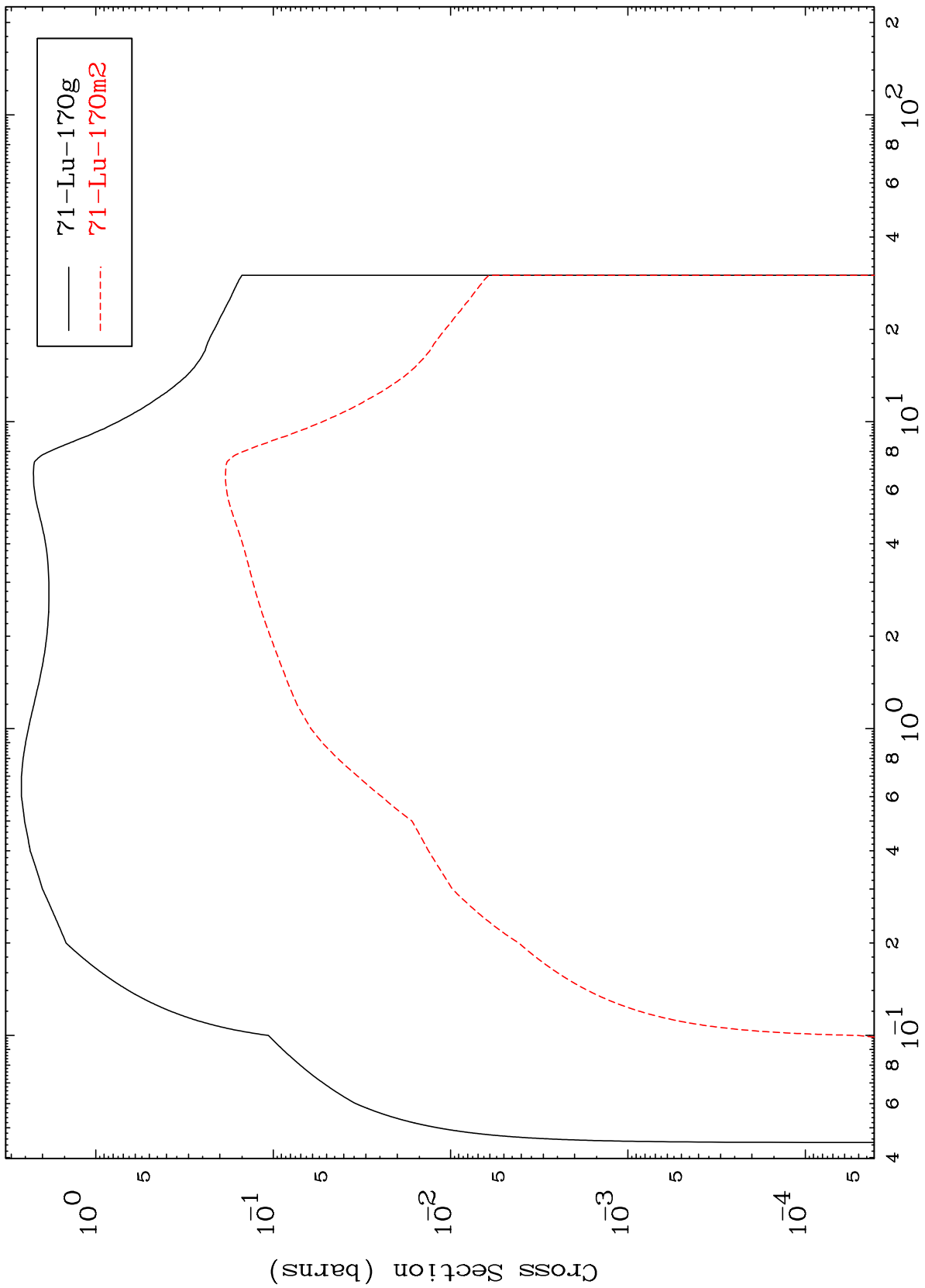




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71-Lu-170

Inelastic
Radionuclide Production Cross Section



71-Lu-170g
71-Lu-170m2

125

71-Lu-170

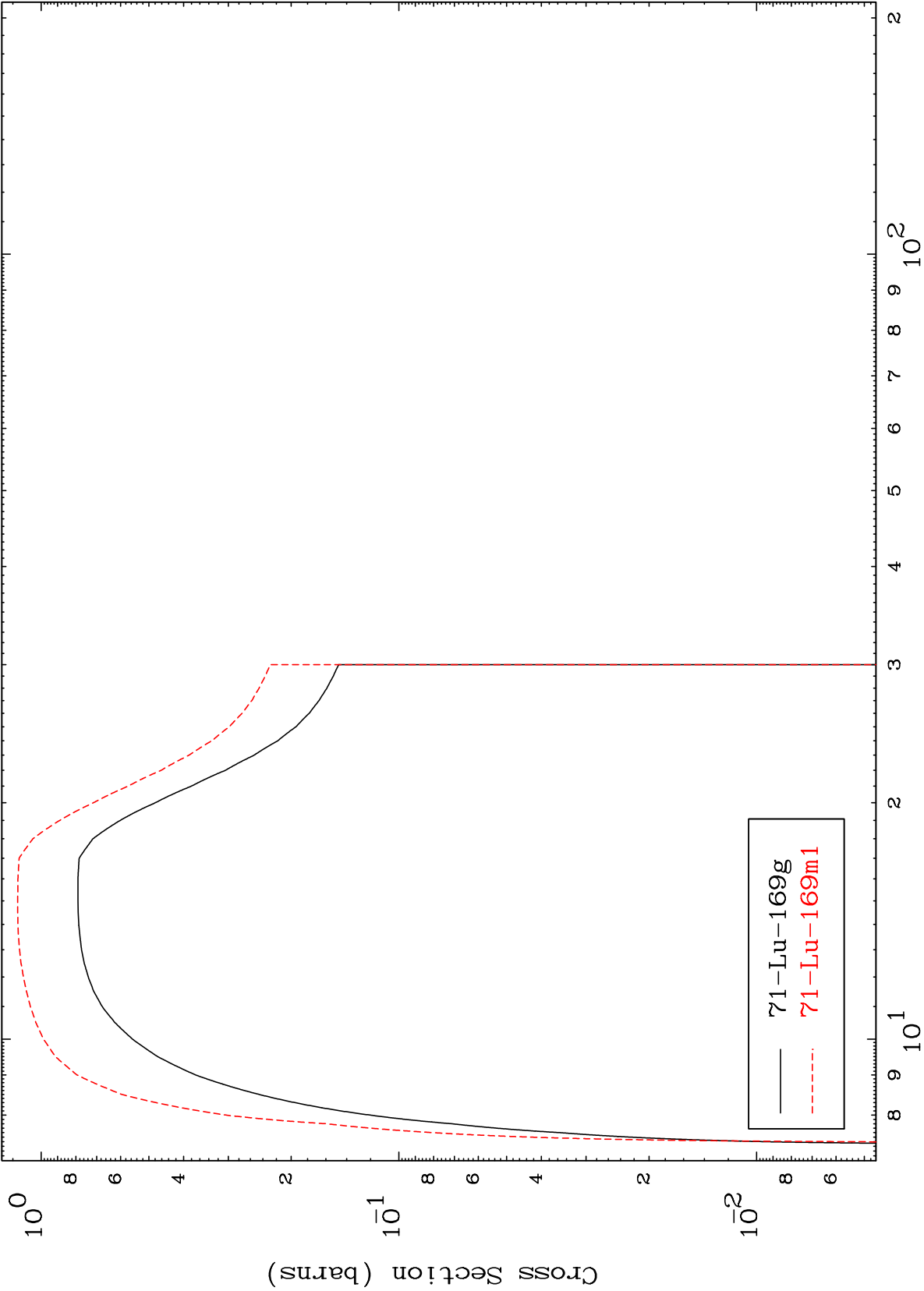
Incident Energy (MeV)

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(n,2n)

71-Lu-170

Radionuclide Production Cross Section



126

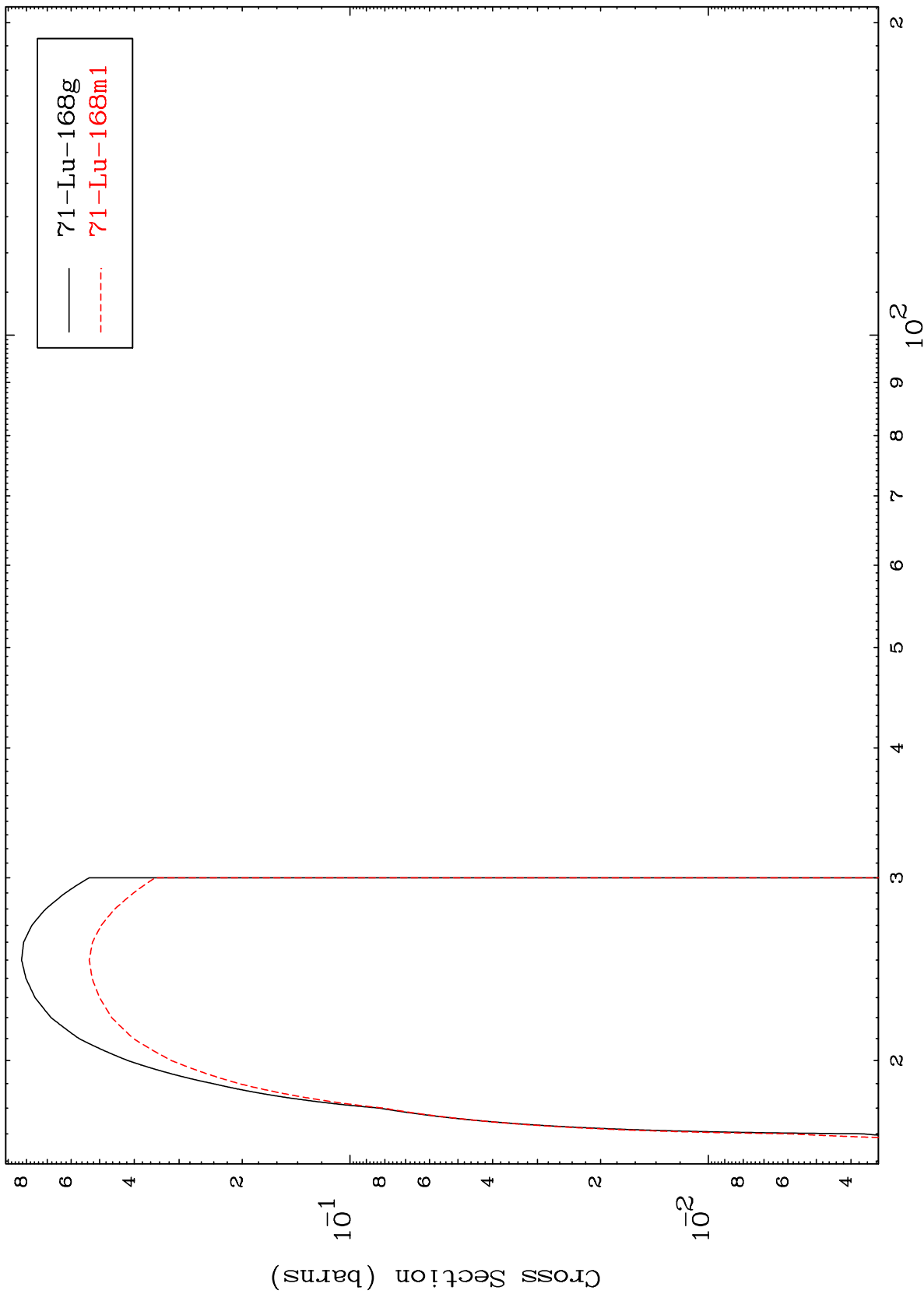
Incident Energy (MeV)

71-Lu-170

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71-Lu-170

(n,3n)
Radionuclide Production Cross Section

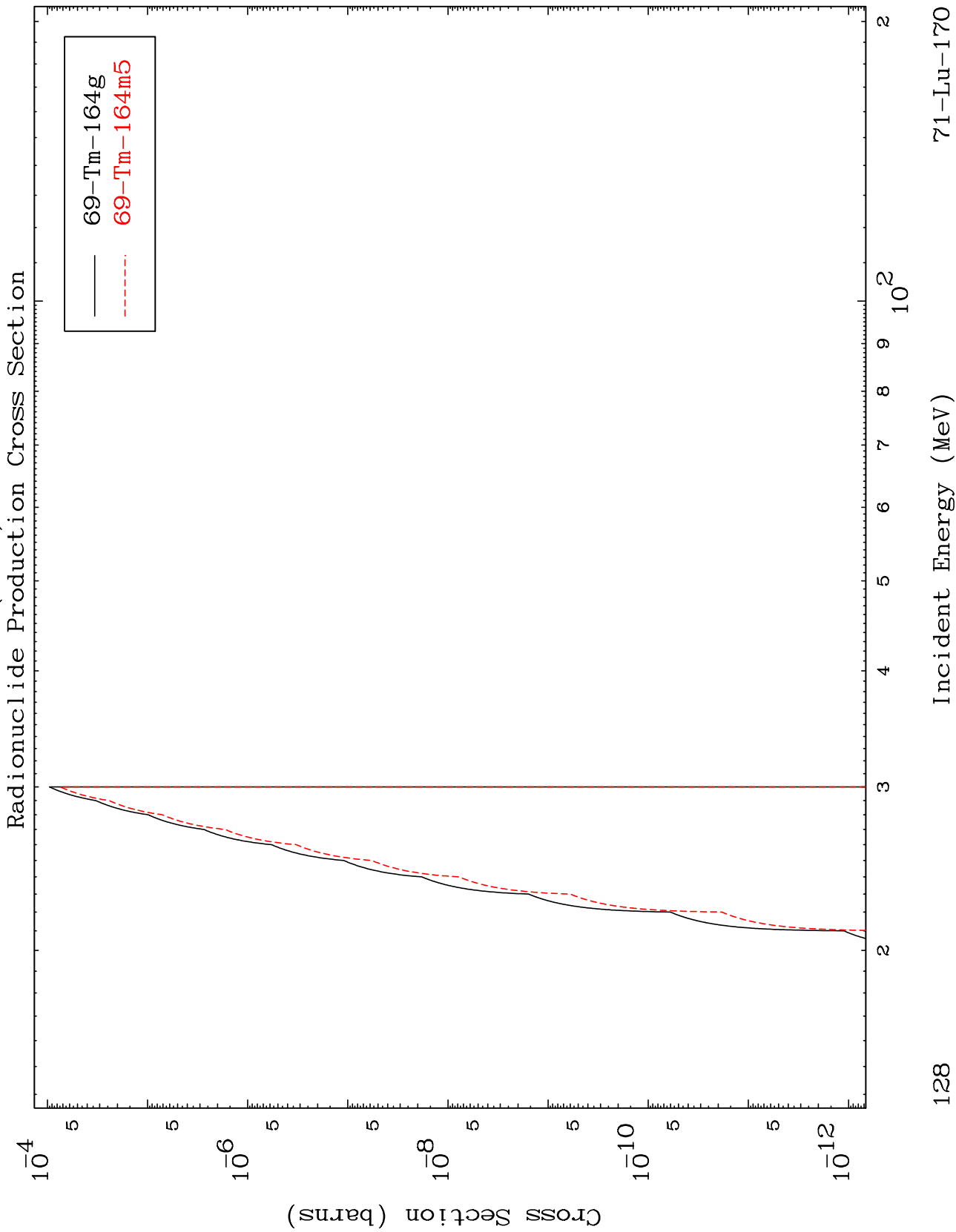


71-Lu-168g
71-Lu-168m1

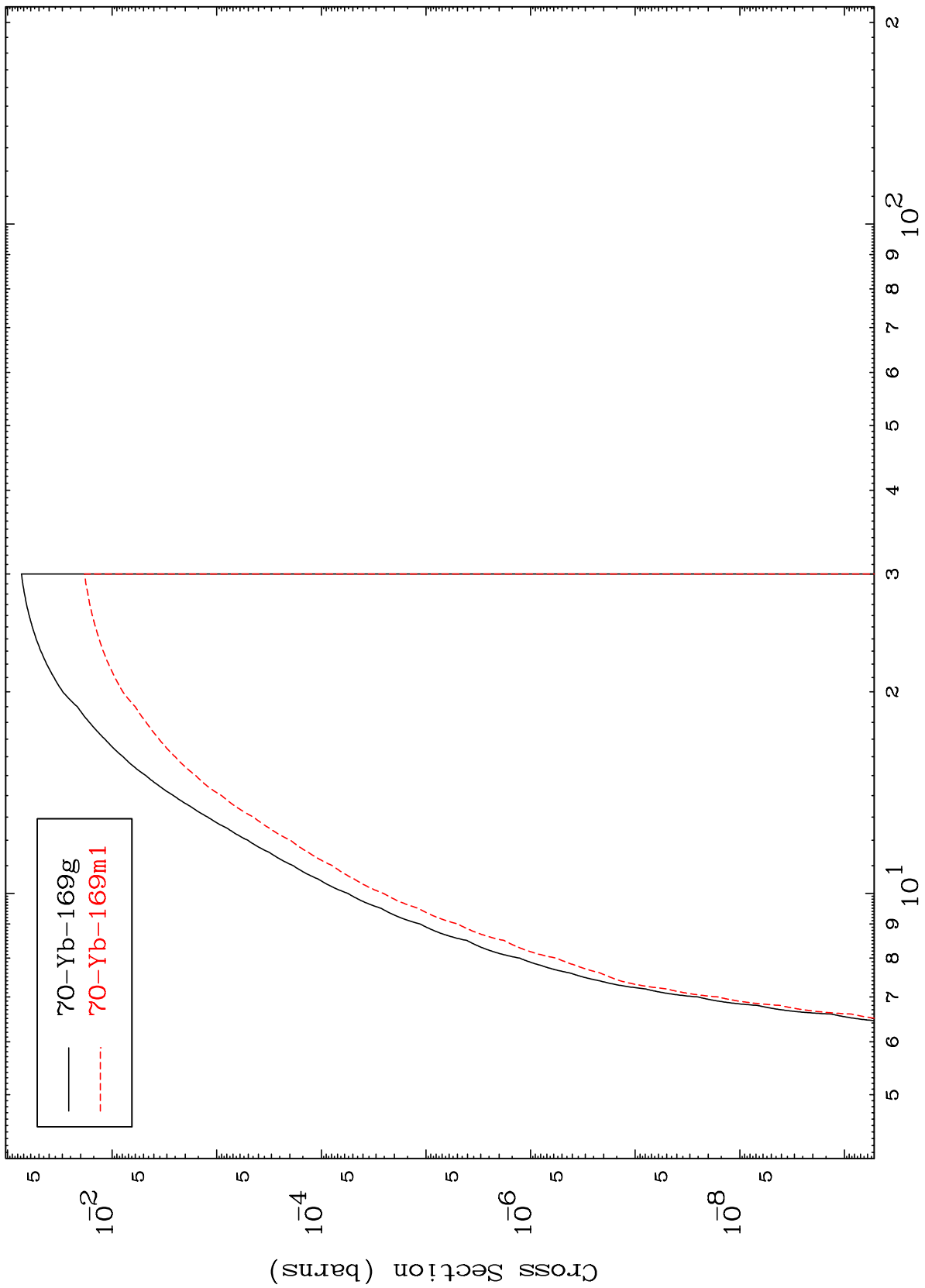
127

Incident Energy (MeV)

71-Lu-170



Radionuclide Production Cross Section

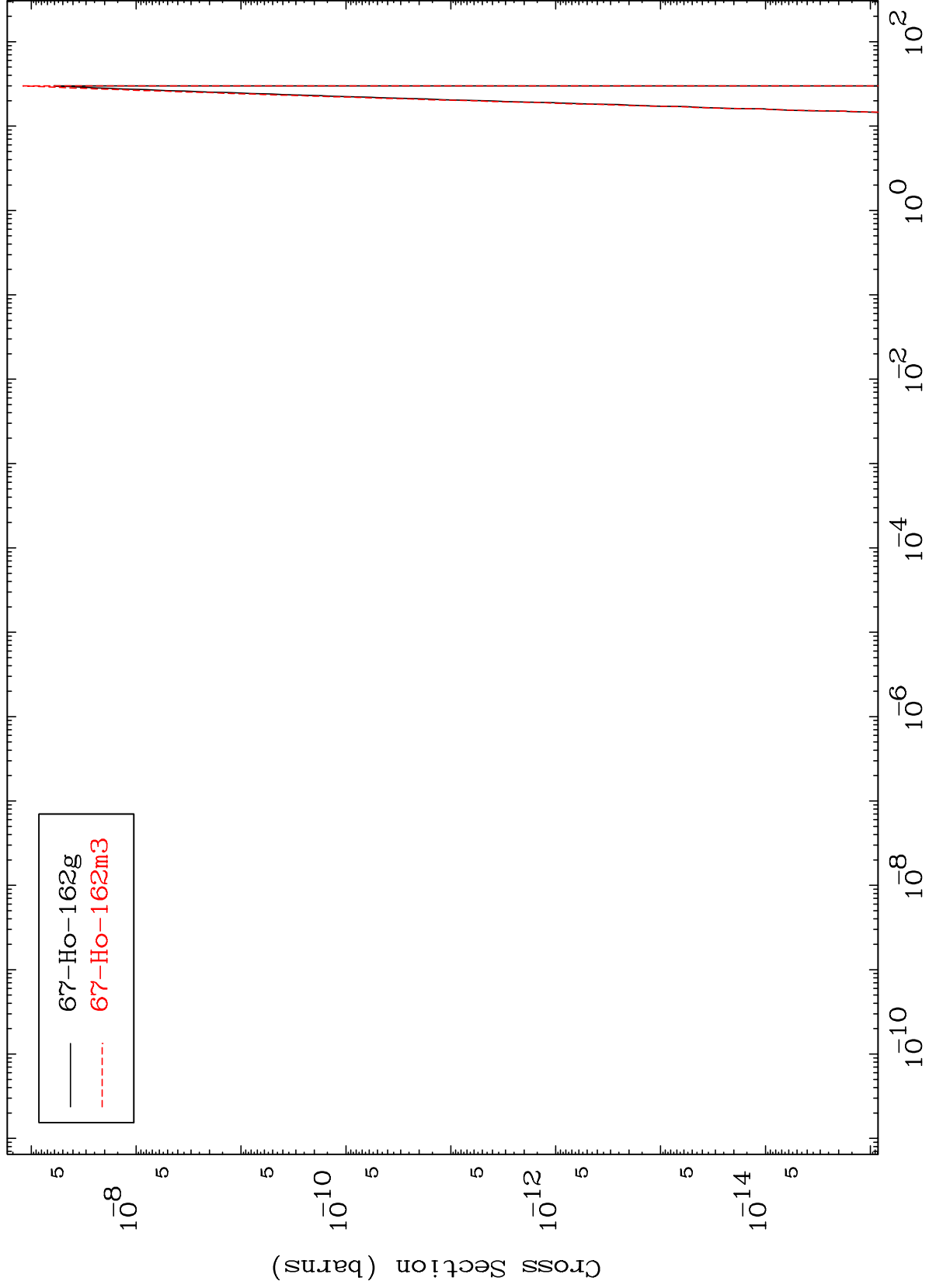


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(n,n') 2α

71-Lu-170

Radionuclide Production Cross Section



130

Incident Energy (MeV)

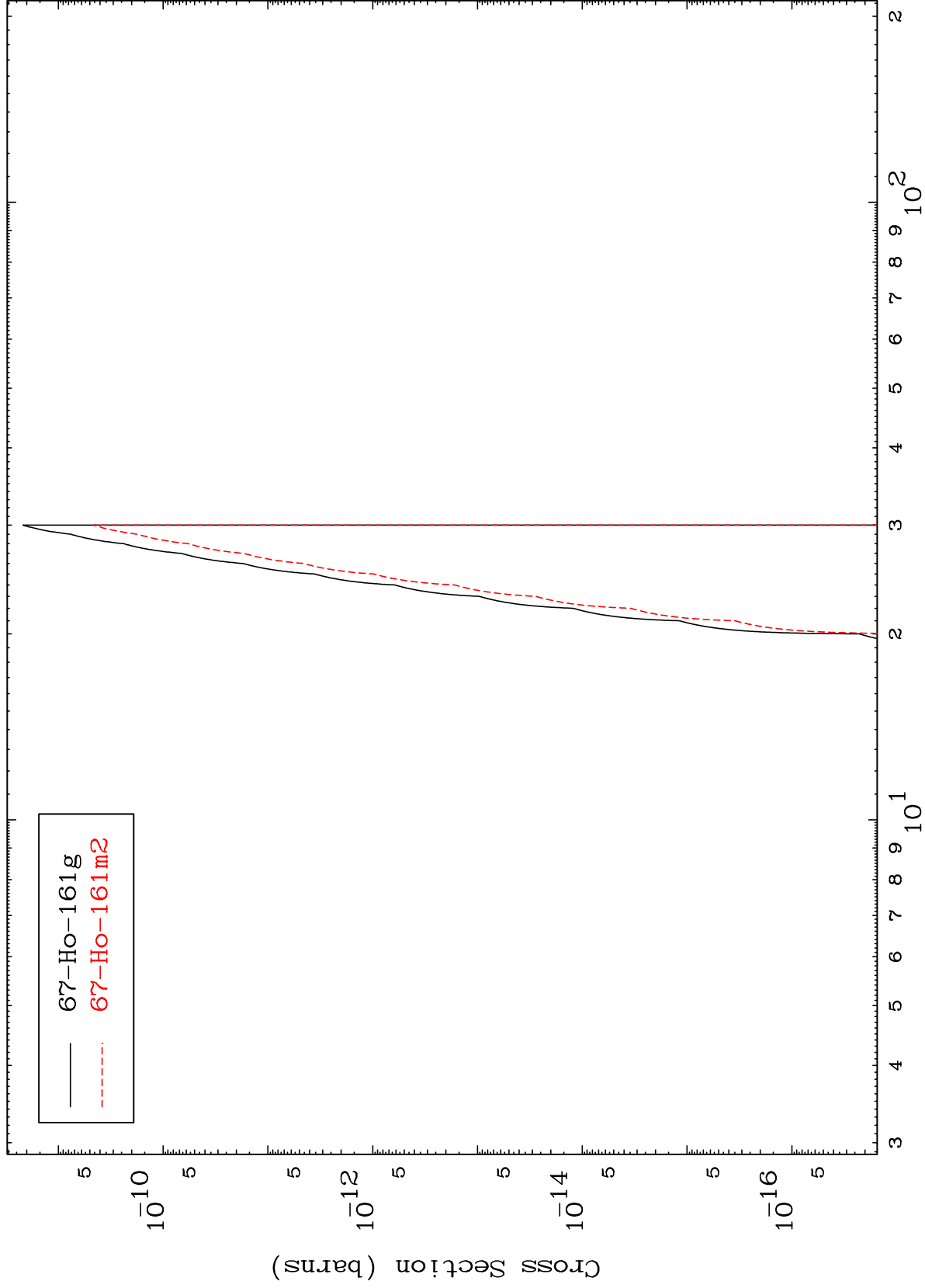
71-Lu-170

MAT 7110

^{71}Lu -170

^{71}Lu -170

Radionuclide Production Cross Section

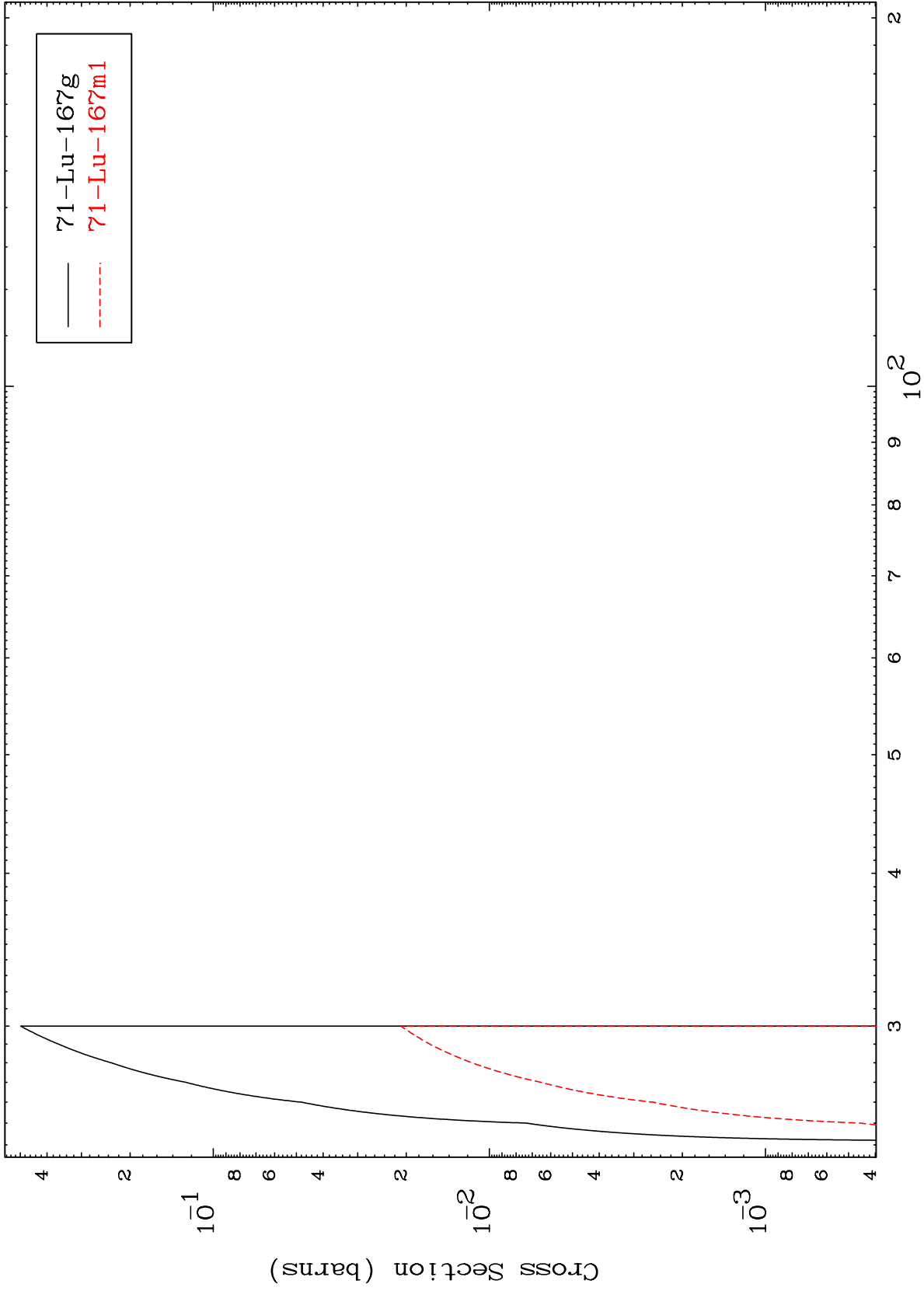


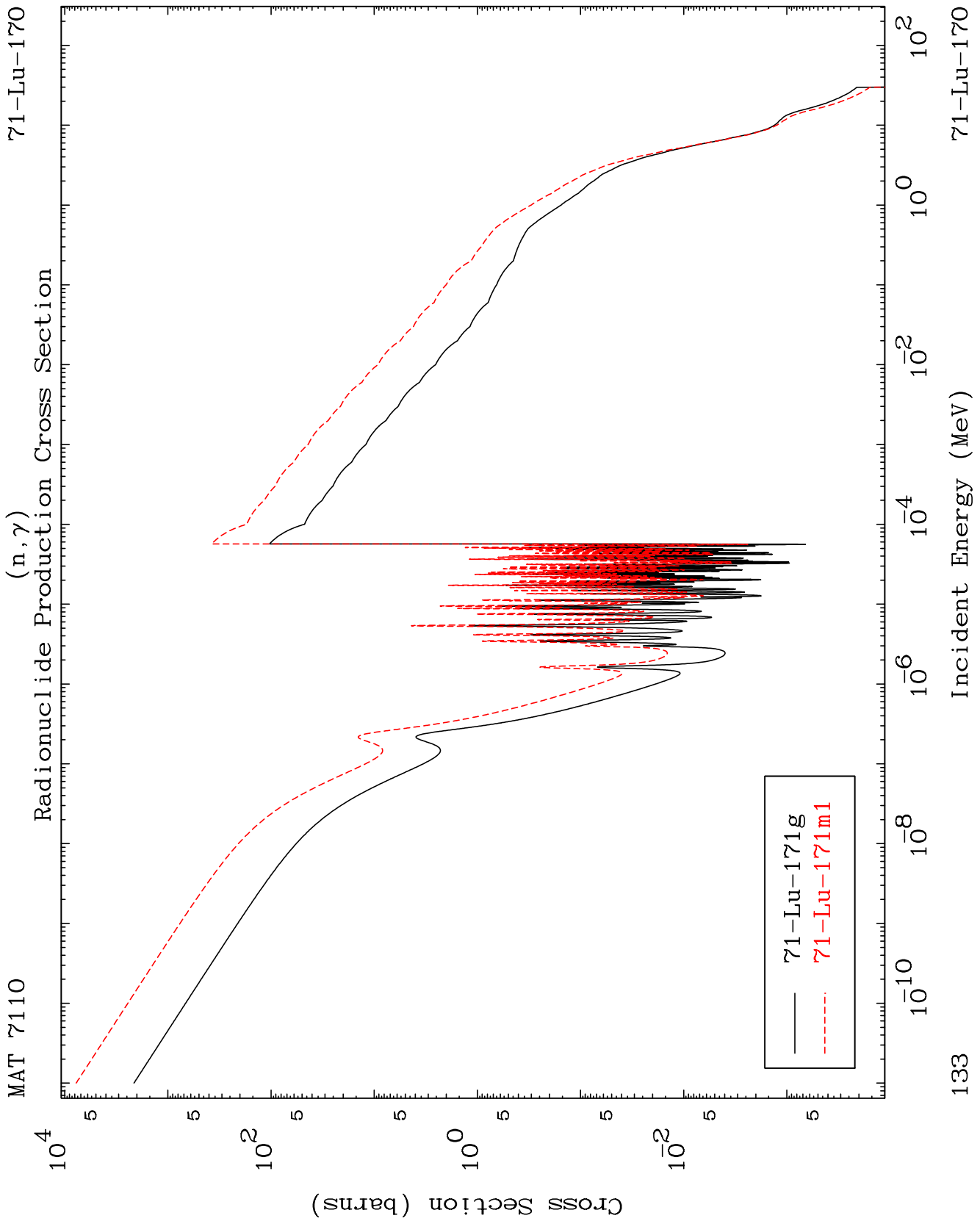
131

Incident Energy (MeV)

^{71}Lu -170

Radionuclide Production Cross Section



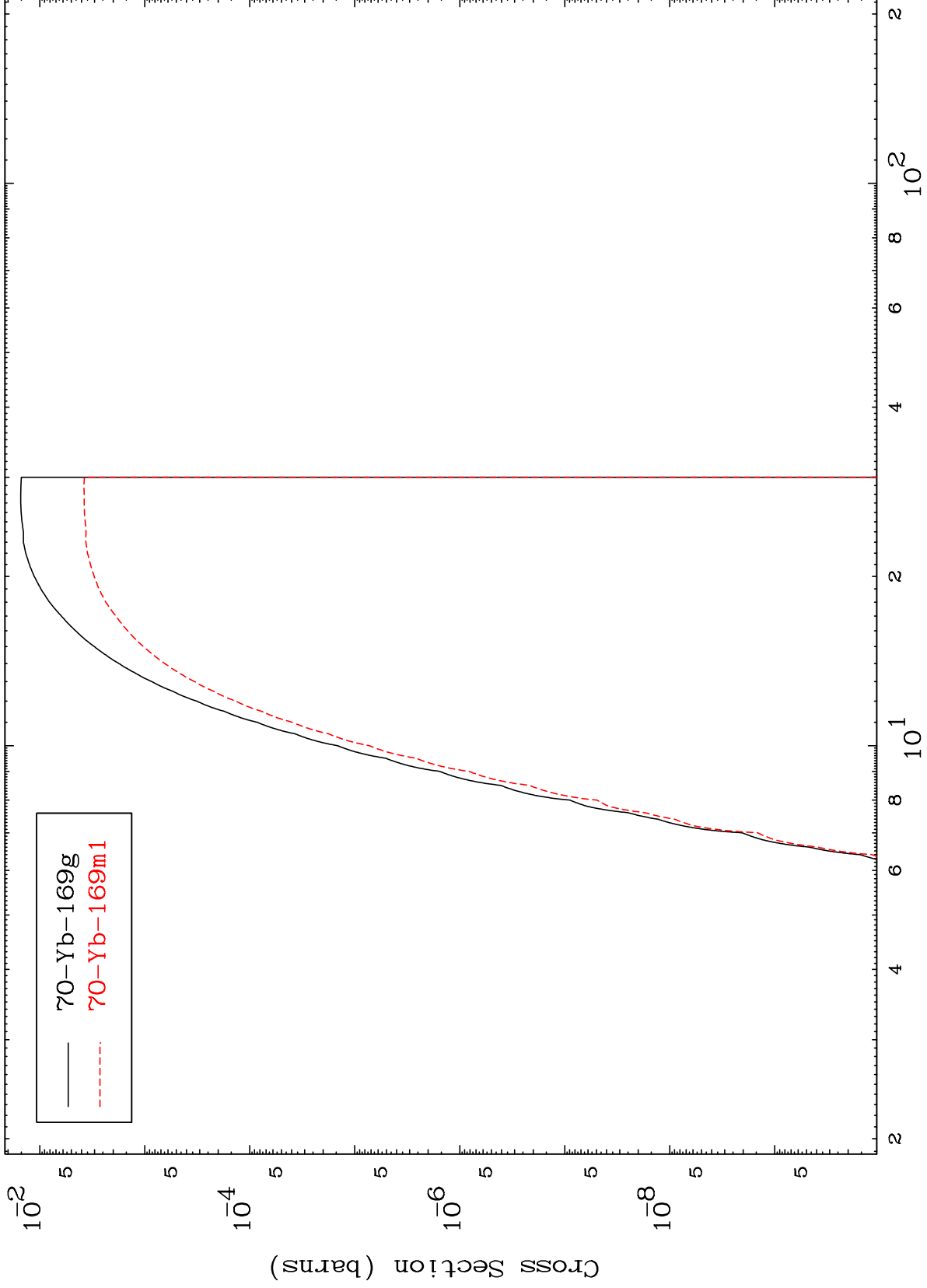


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(n,d)

⁷¹Lu-170

Radionuclide Production Cross Section



— $^{70}\text{Yb-169g}$
- - - $^{70}\text{Yb-169m1}$

Incident Energy (MeV)

⁷¹Lu-170

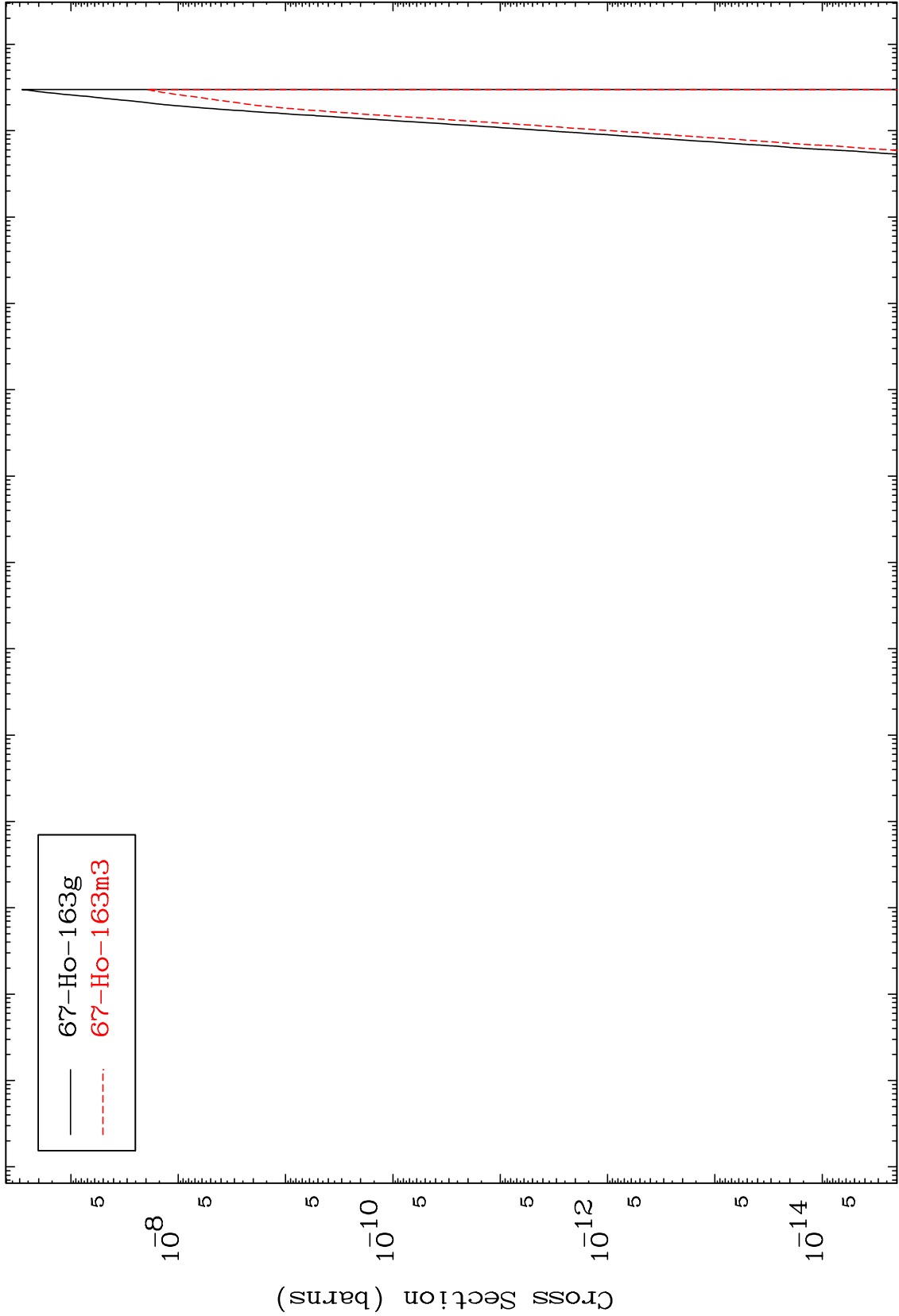
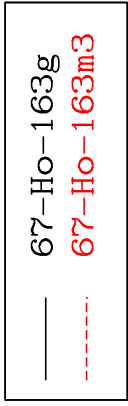
134

MAT 7110

(n,2α)

⁷¹Lu-170

Radionuclide Production Cross Section



⁷¹Lu-170