

Program EVALPLOT
(Version 2021-1)

by

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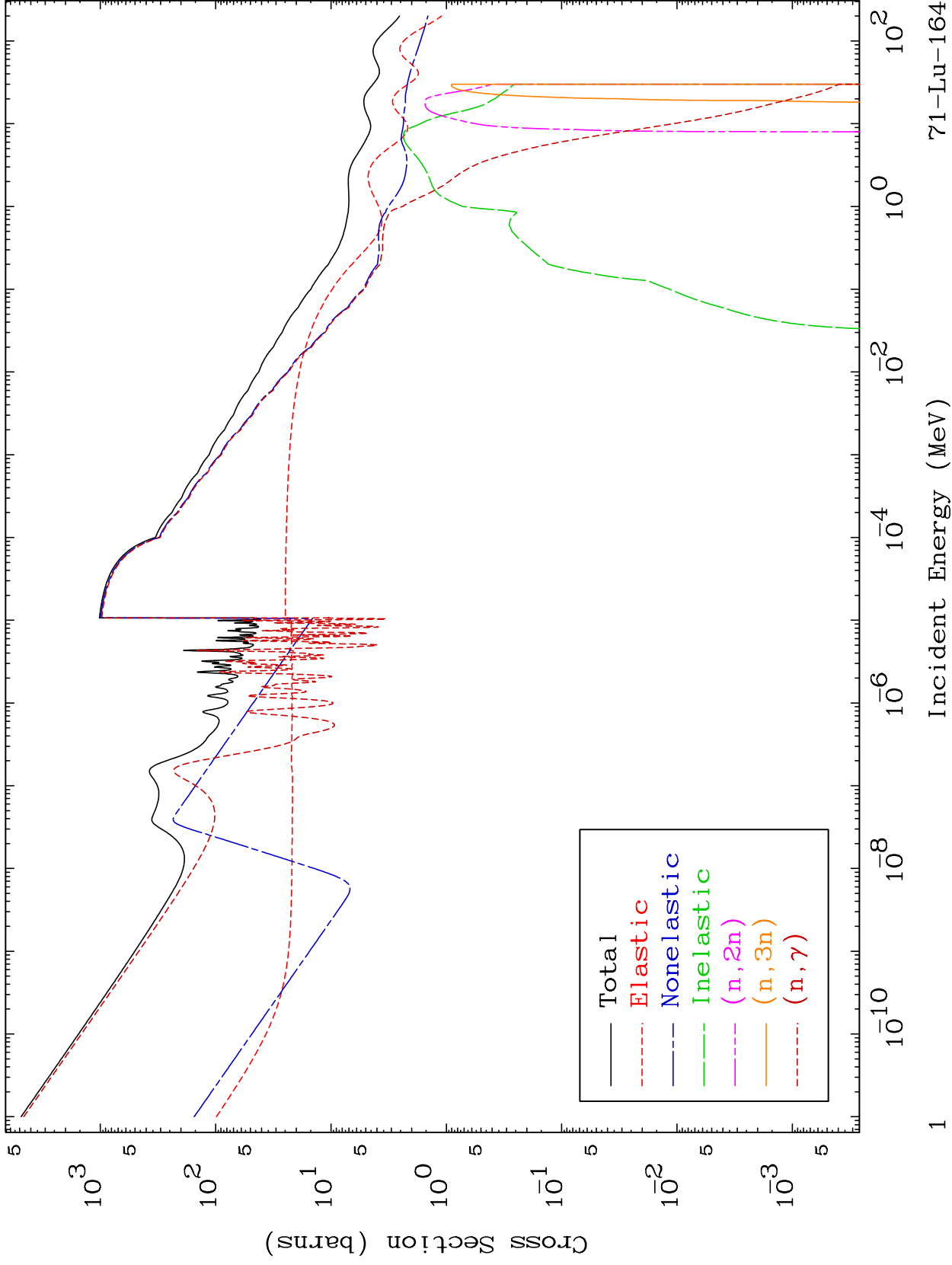
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7092

Neutron Major
293 Kelvin Cross Sections

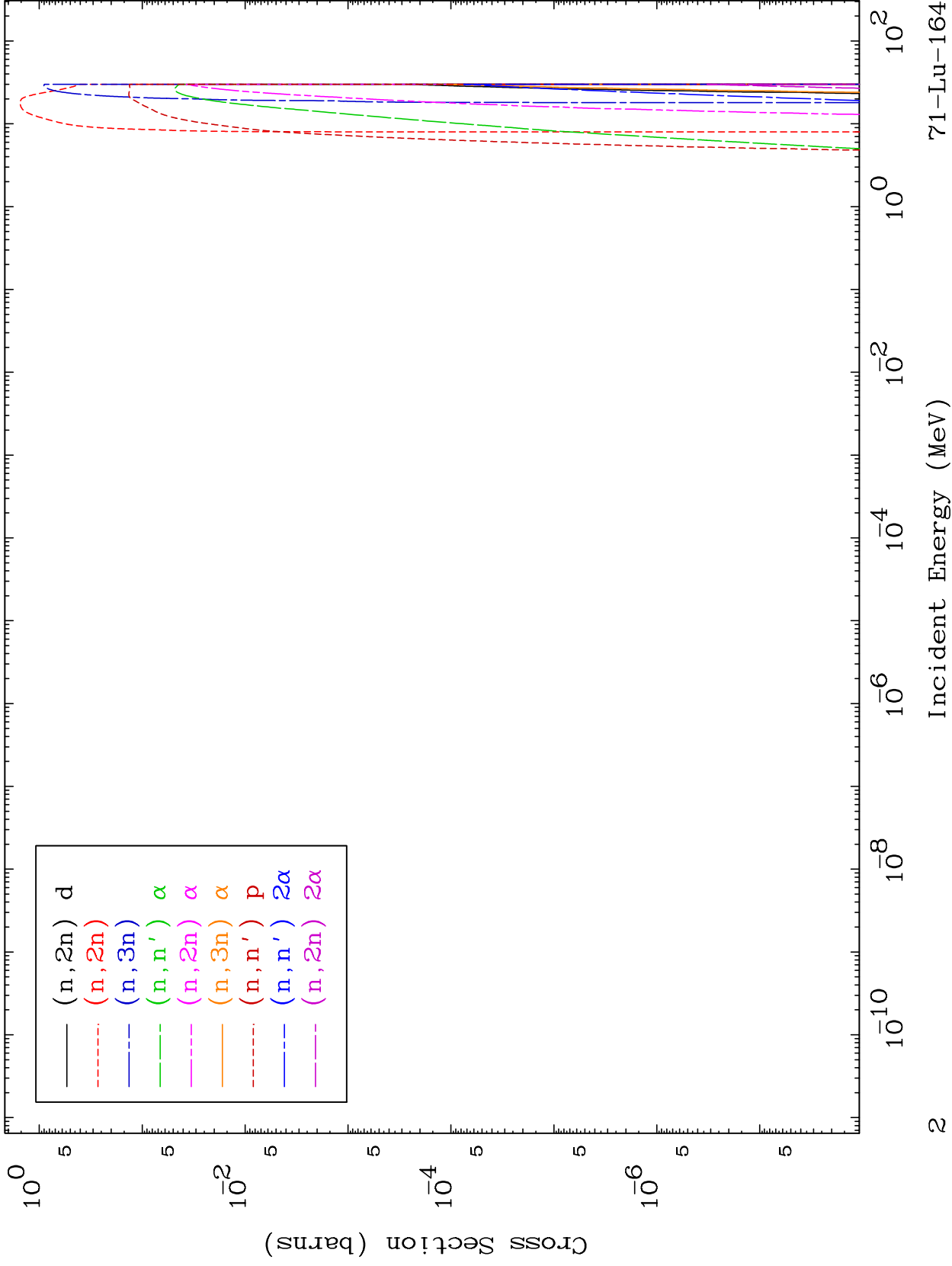
71-Lu-164

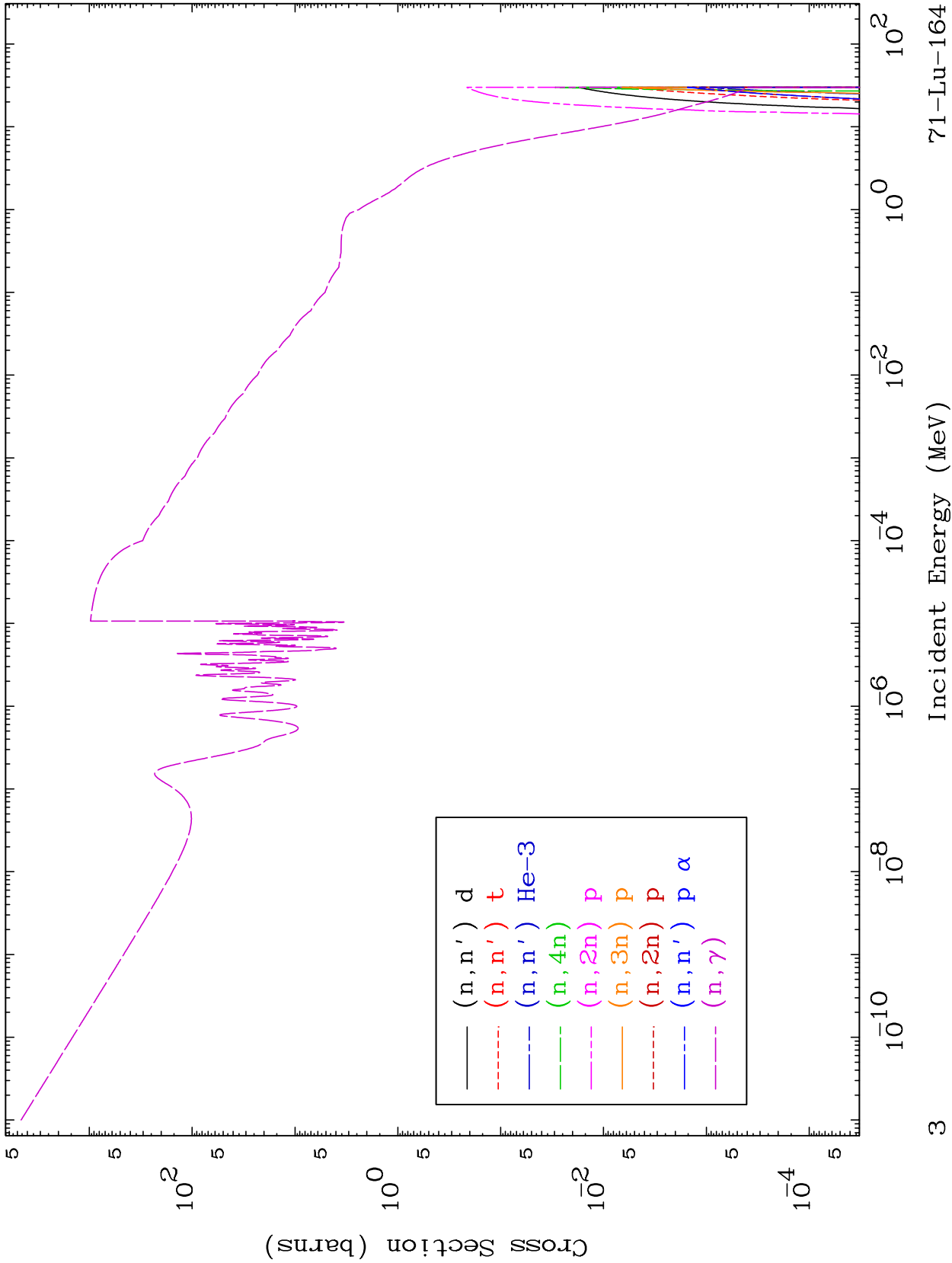


MAT 7092

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-164

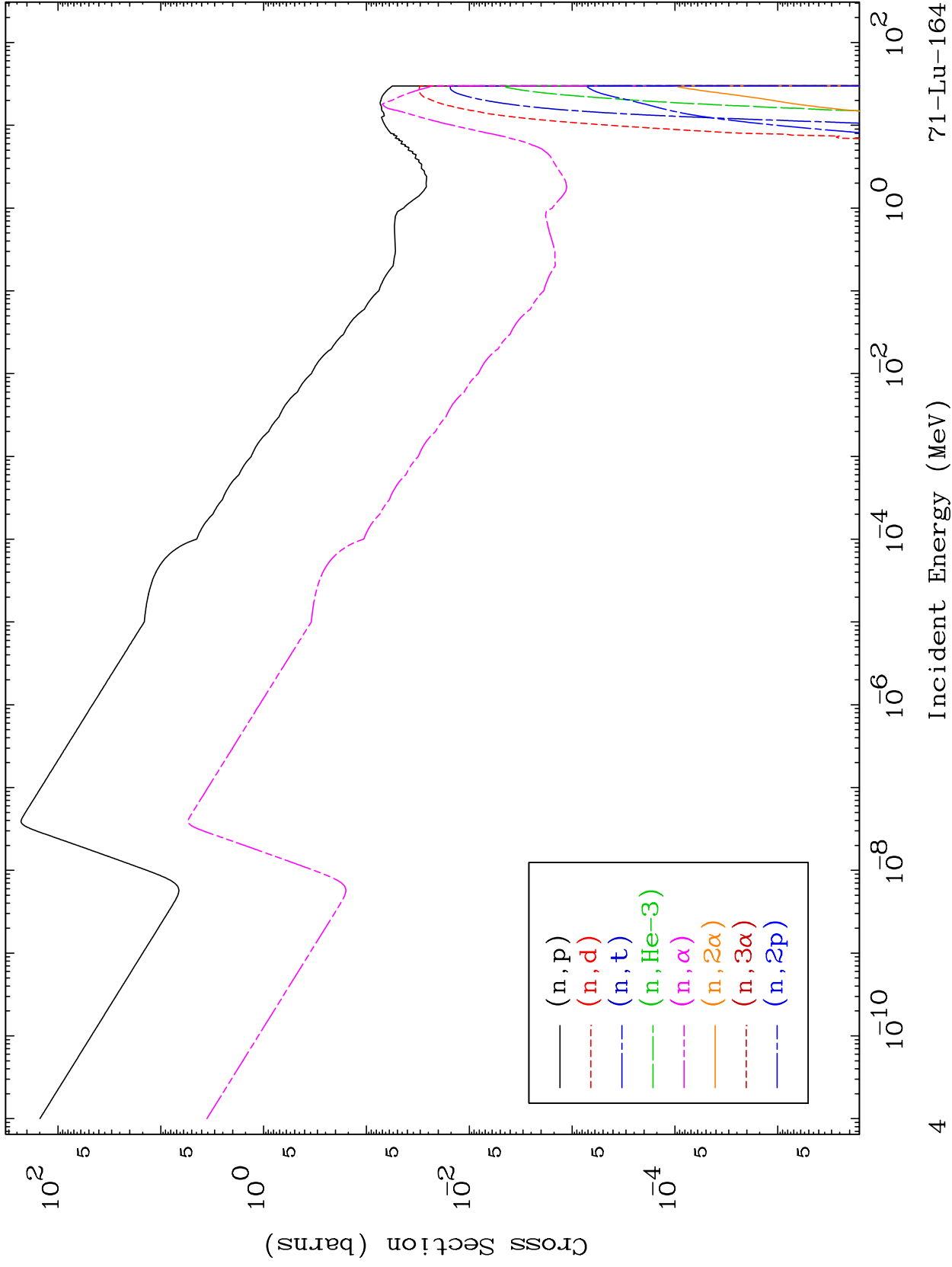


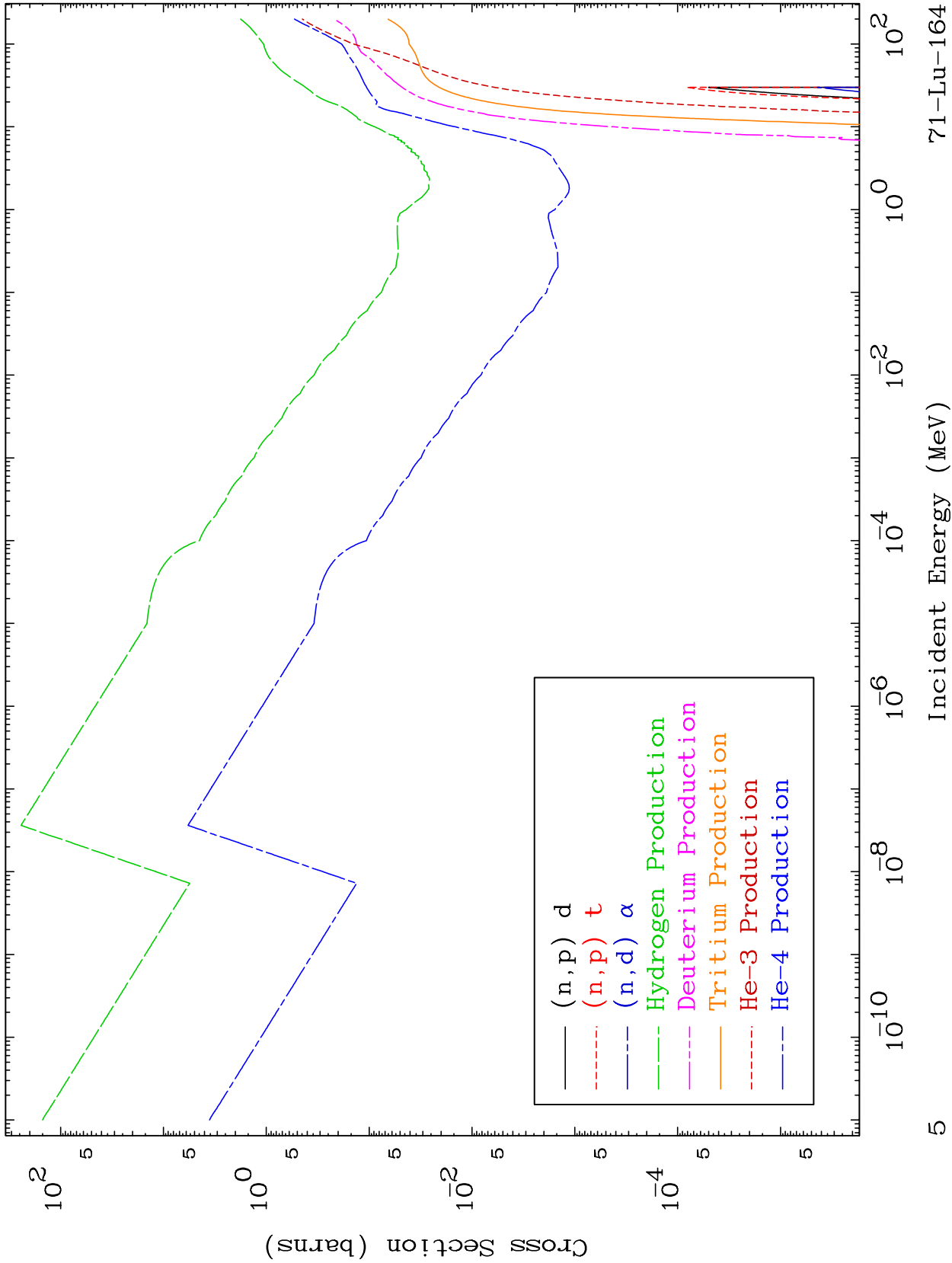


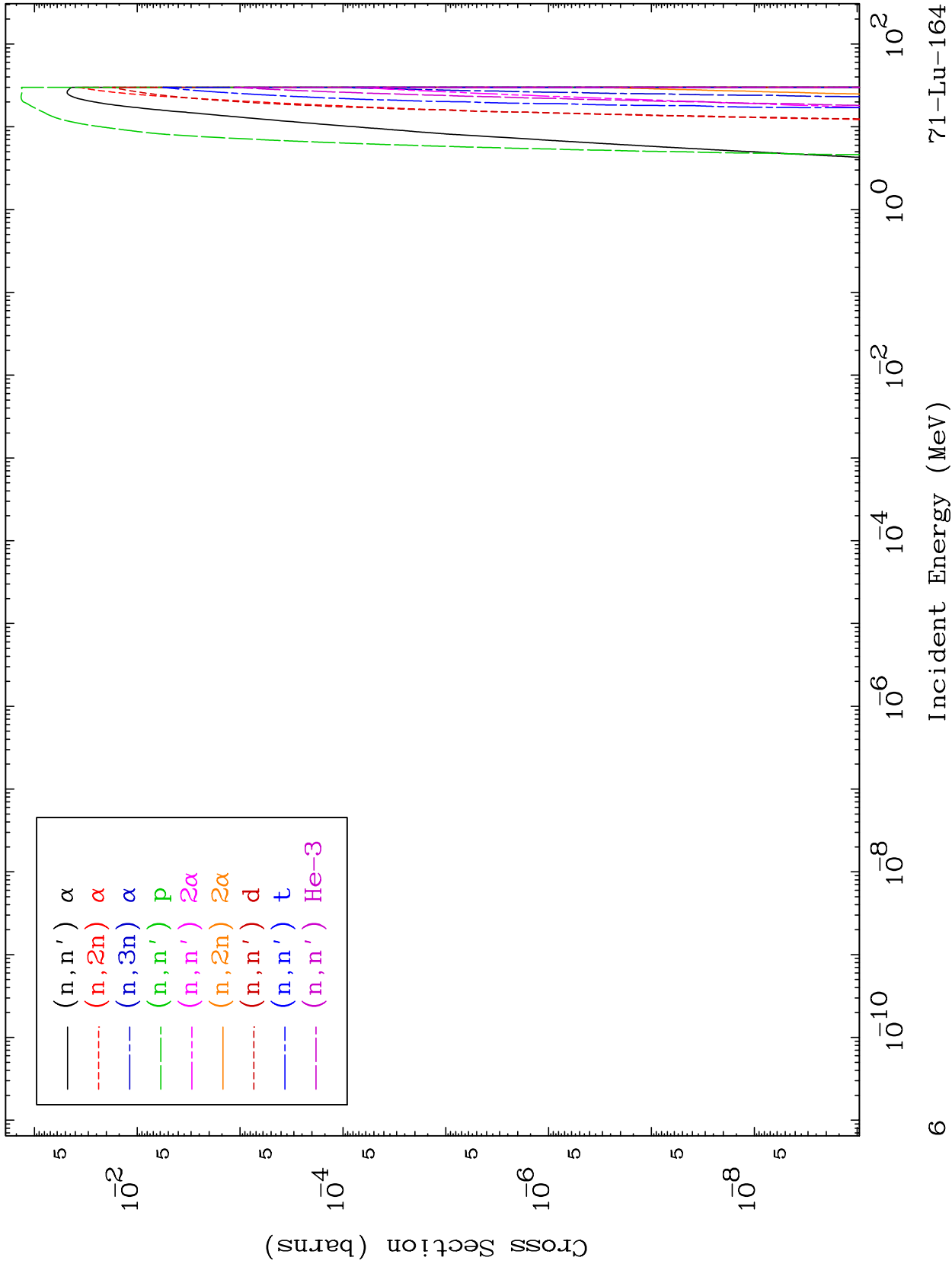
MAT 7092

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-164



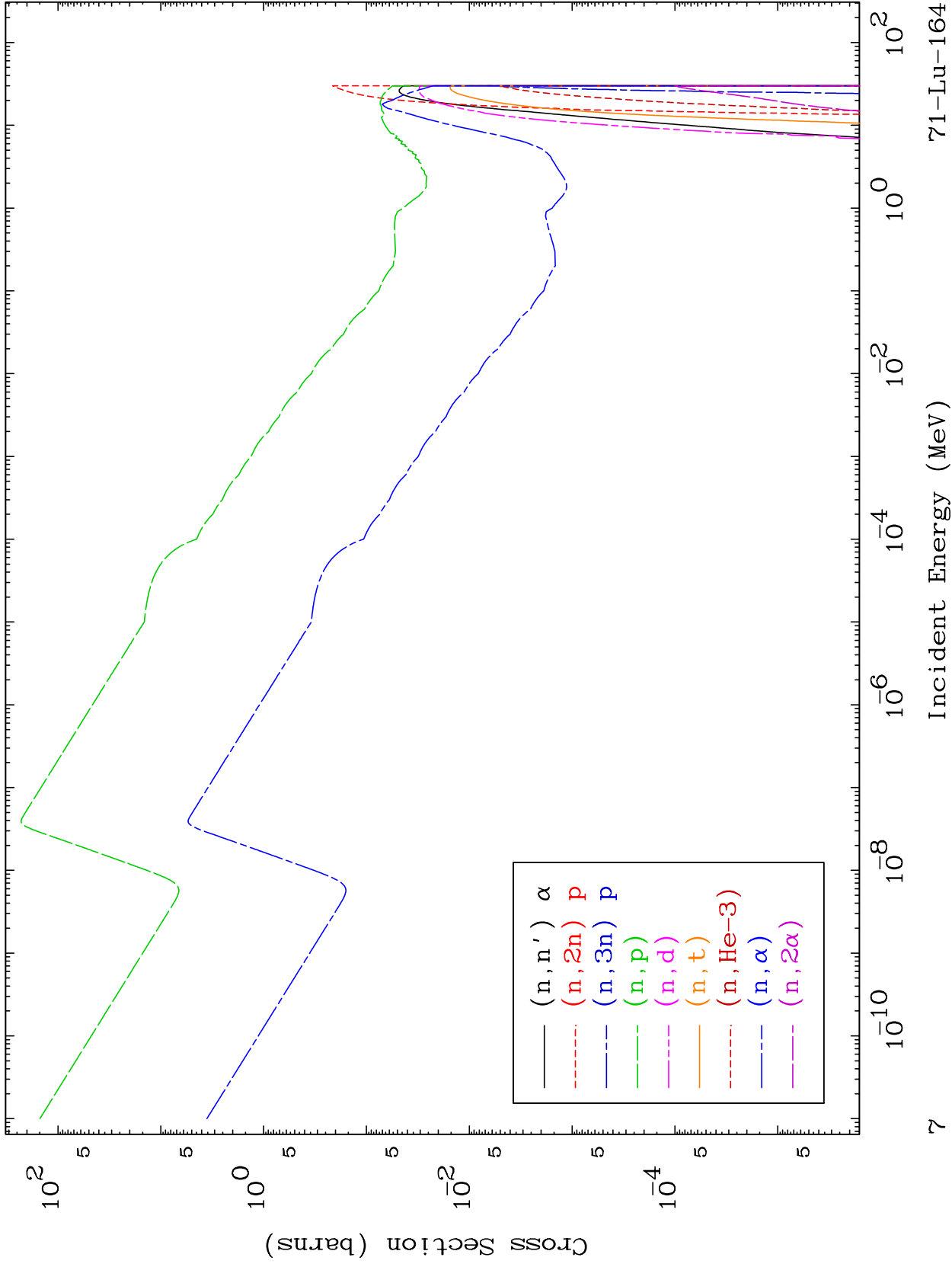


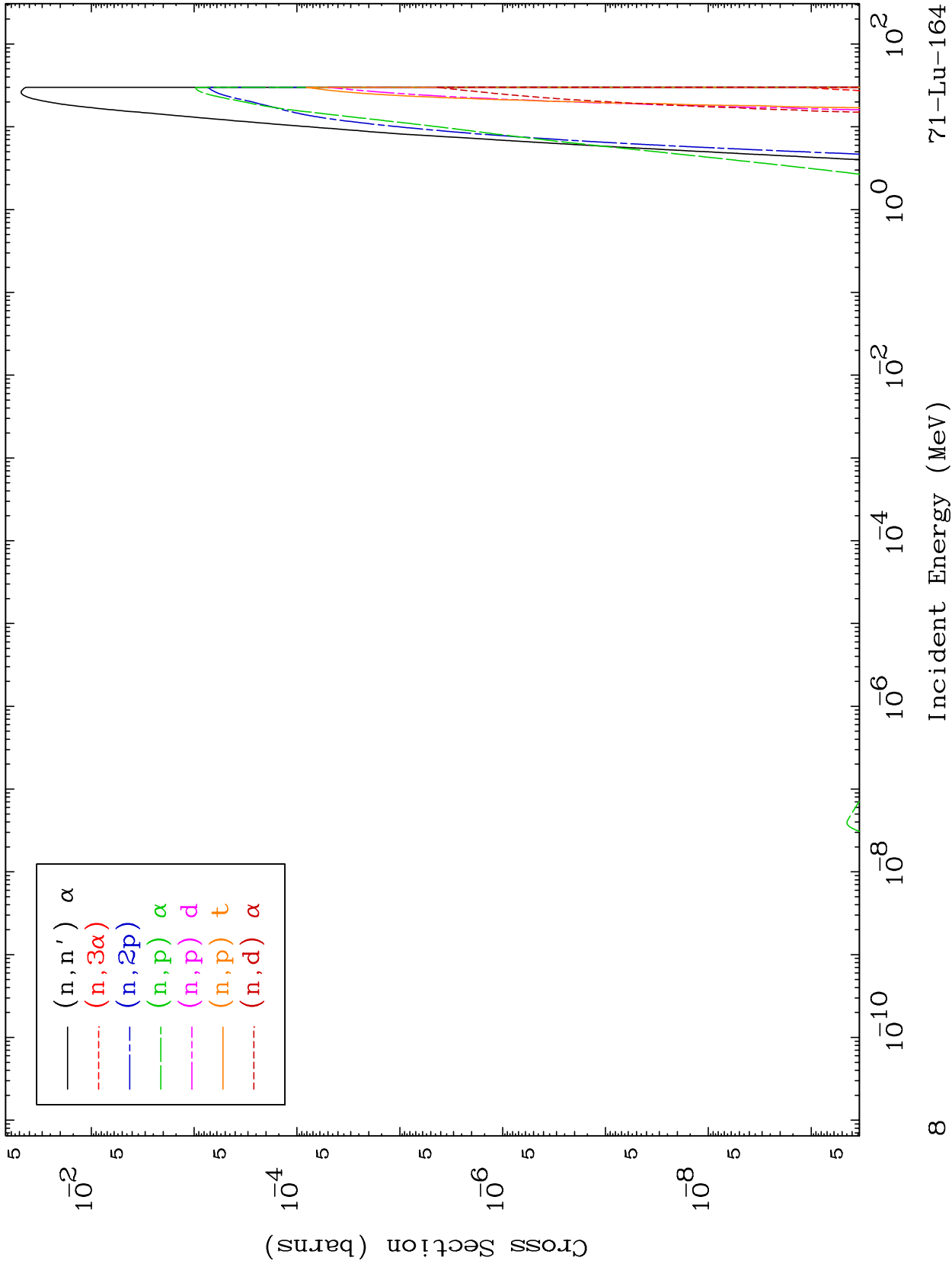


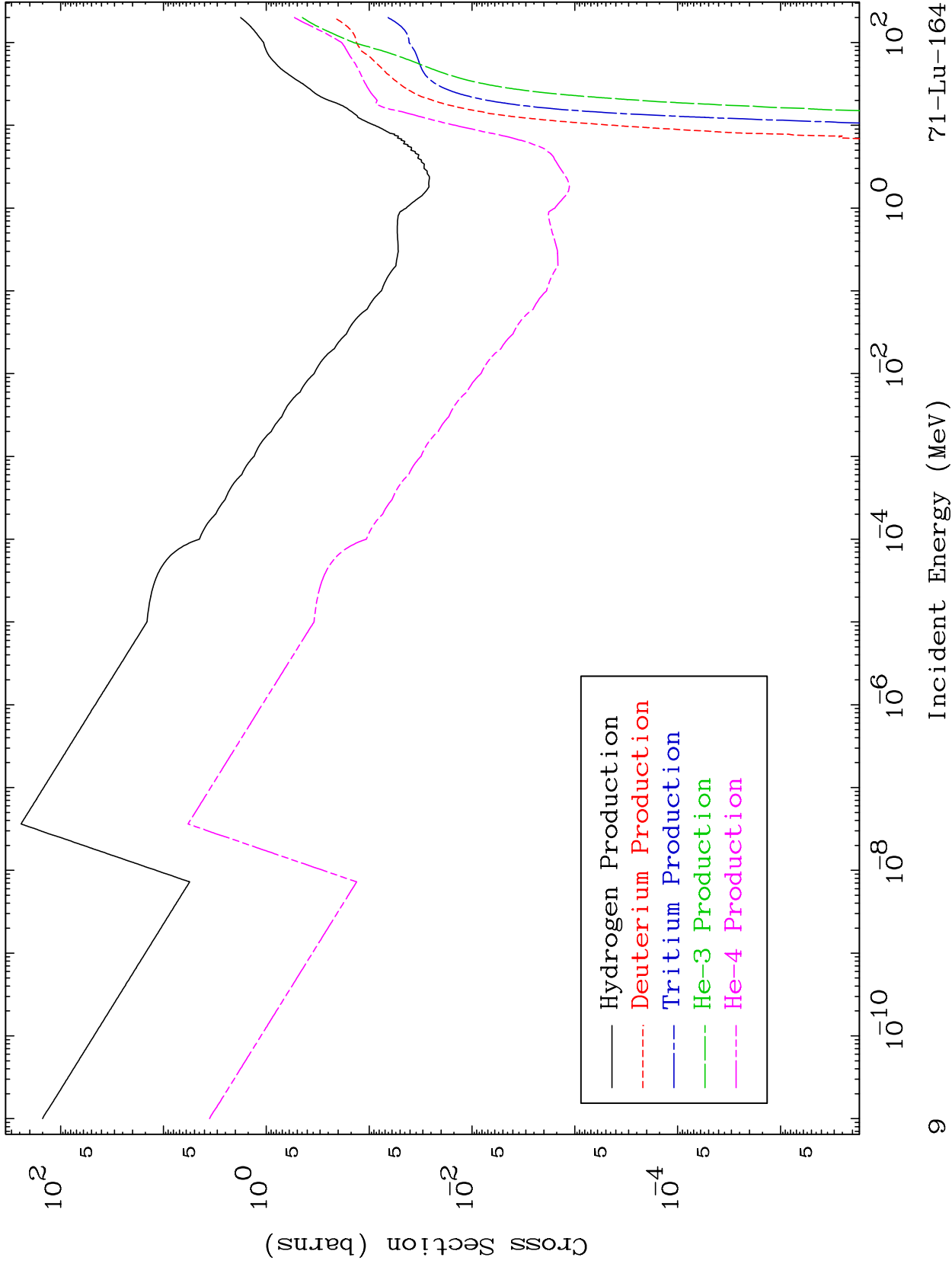
MAT 7092

Charged Particle
293 Kelvin Cross Sections

71-Lu-164



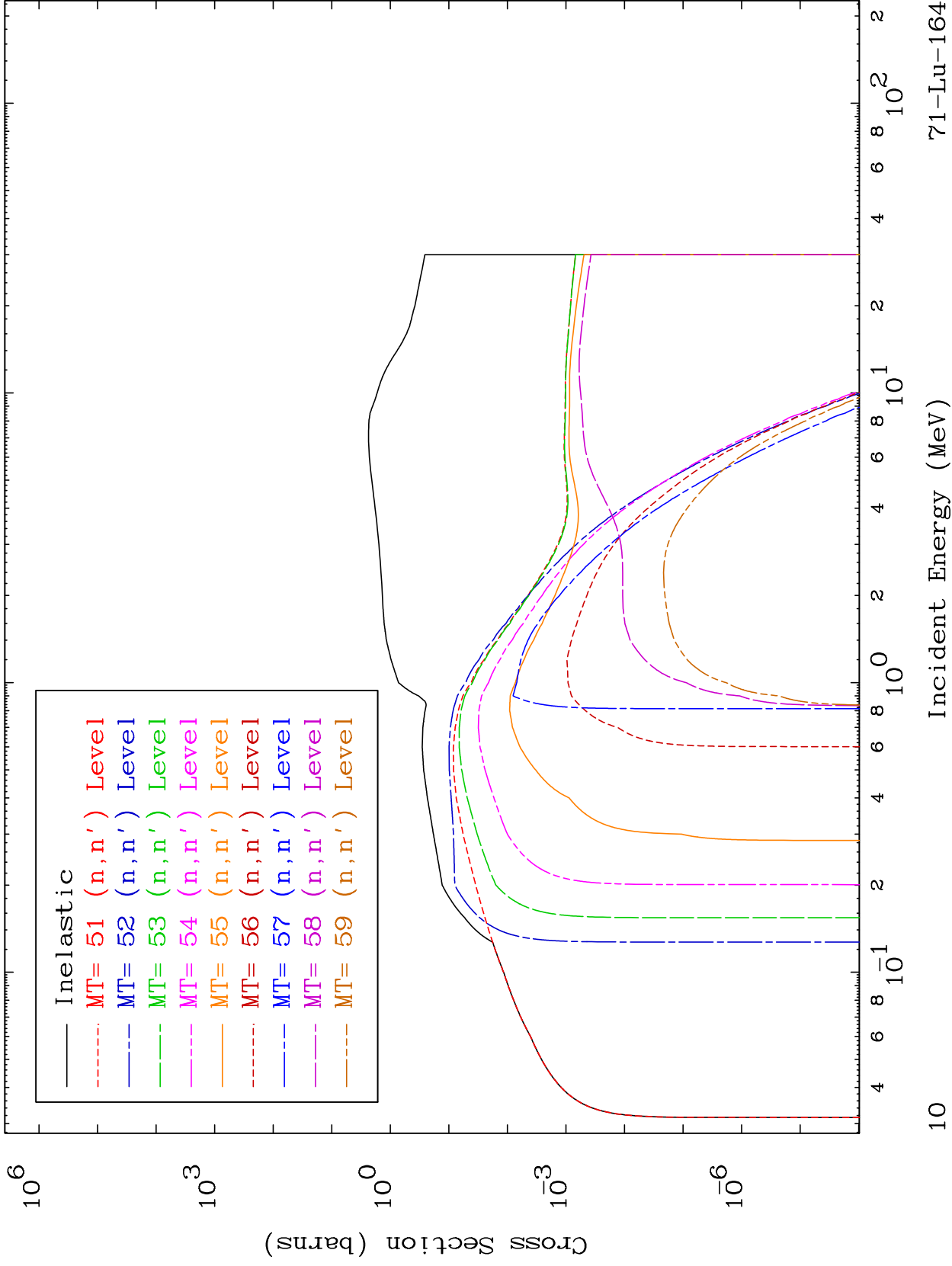




MAT 7092

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-164



10

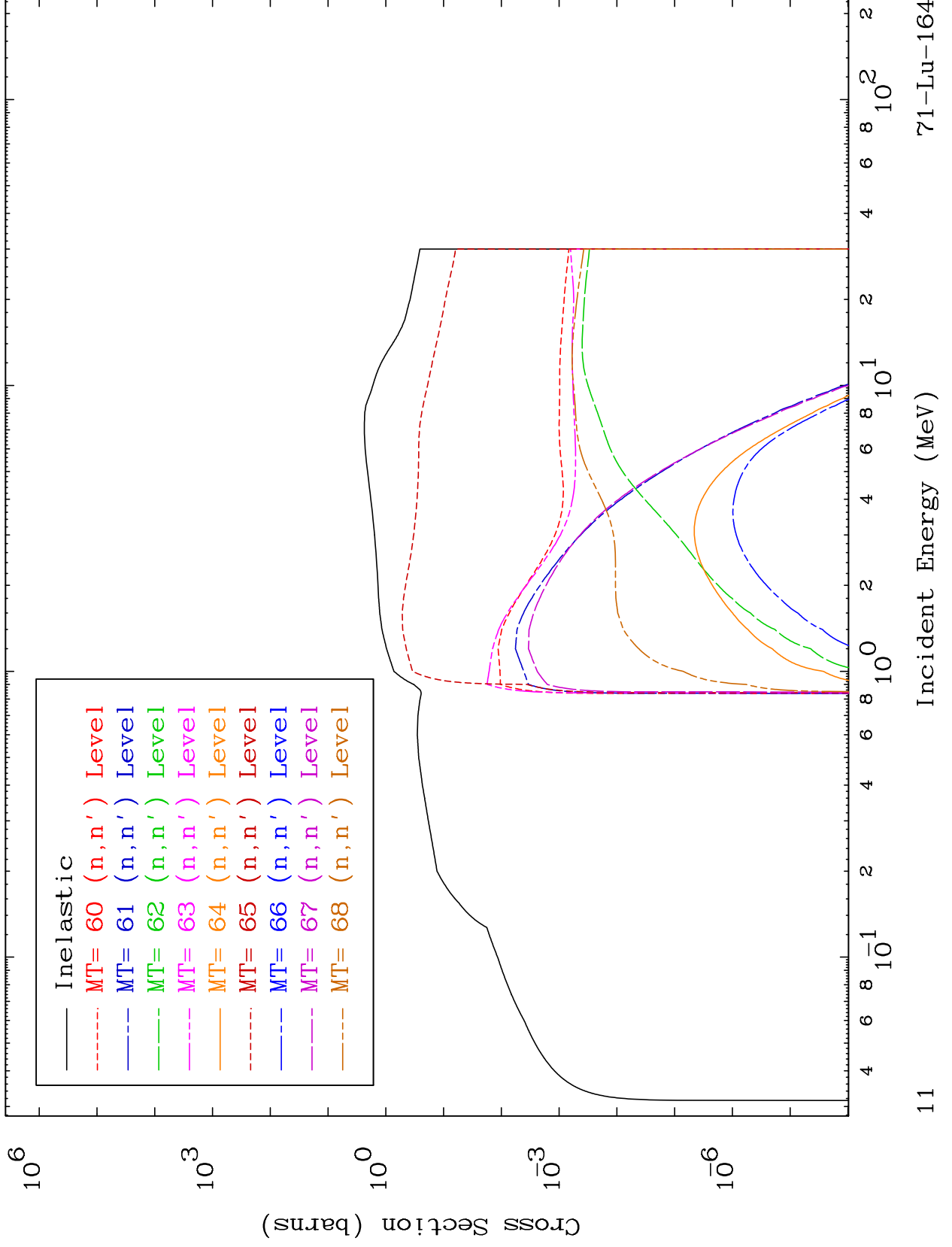
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,n') Levels
293 Kelvin Cross Sections

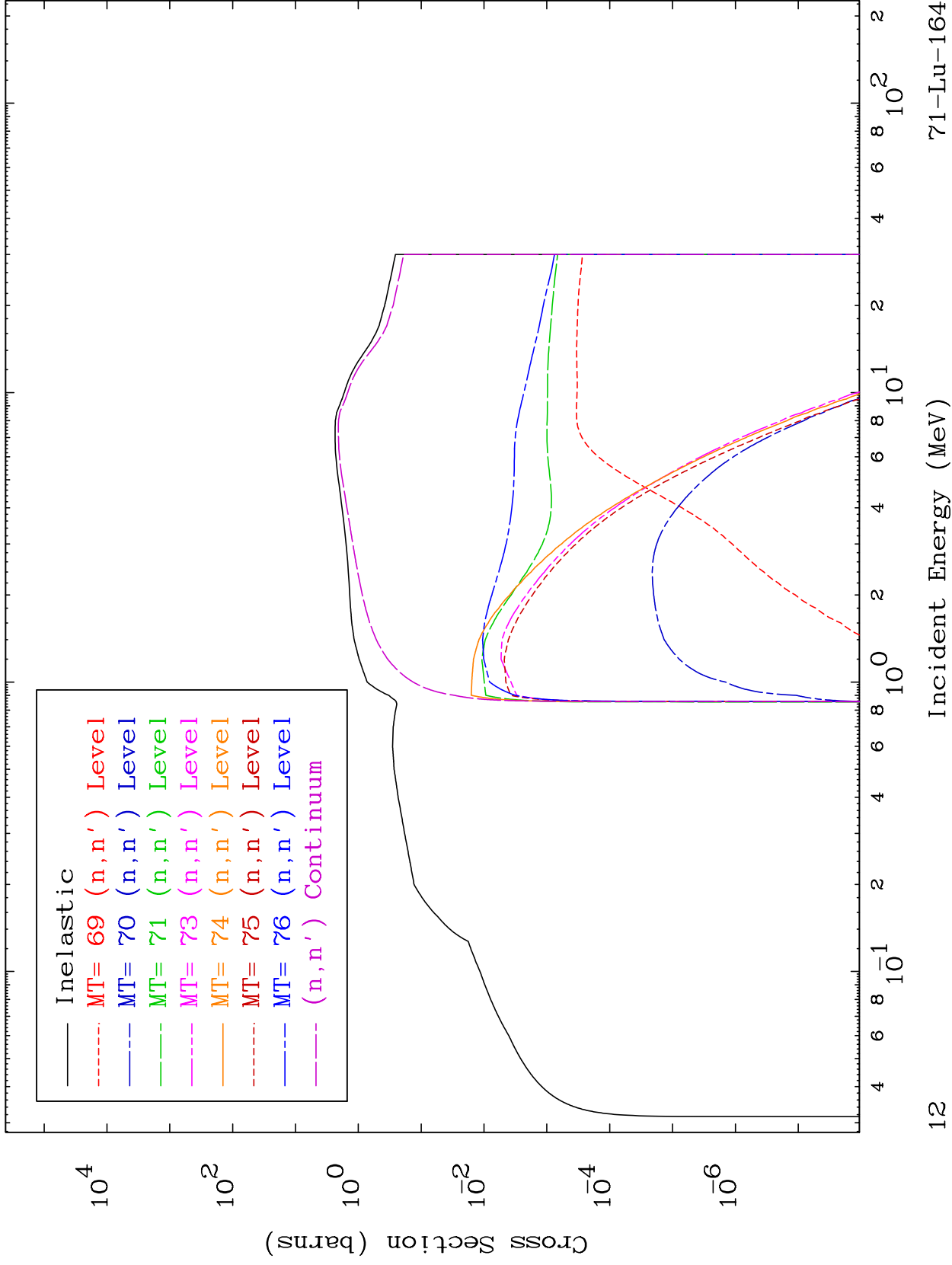
71-Lu-164



MAT 7092

293 Kelvin Cross Sections
(n,n') Levels

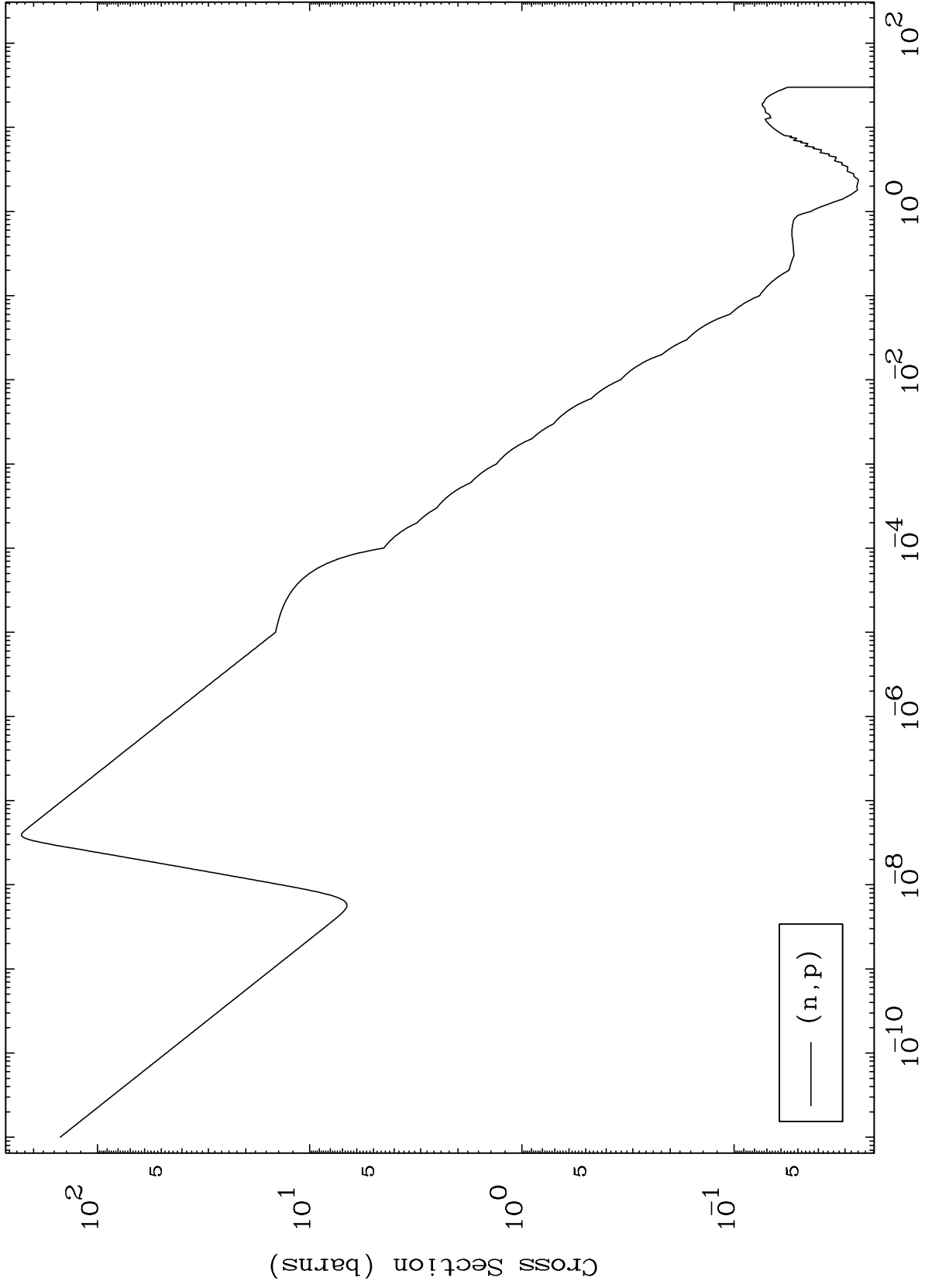
71-Lu-164



MAT 7092

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-164



13

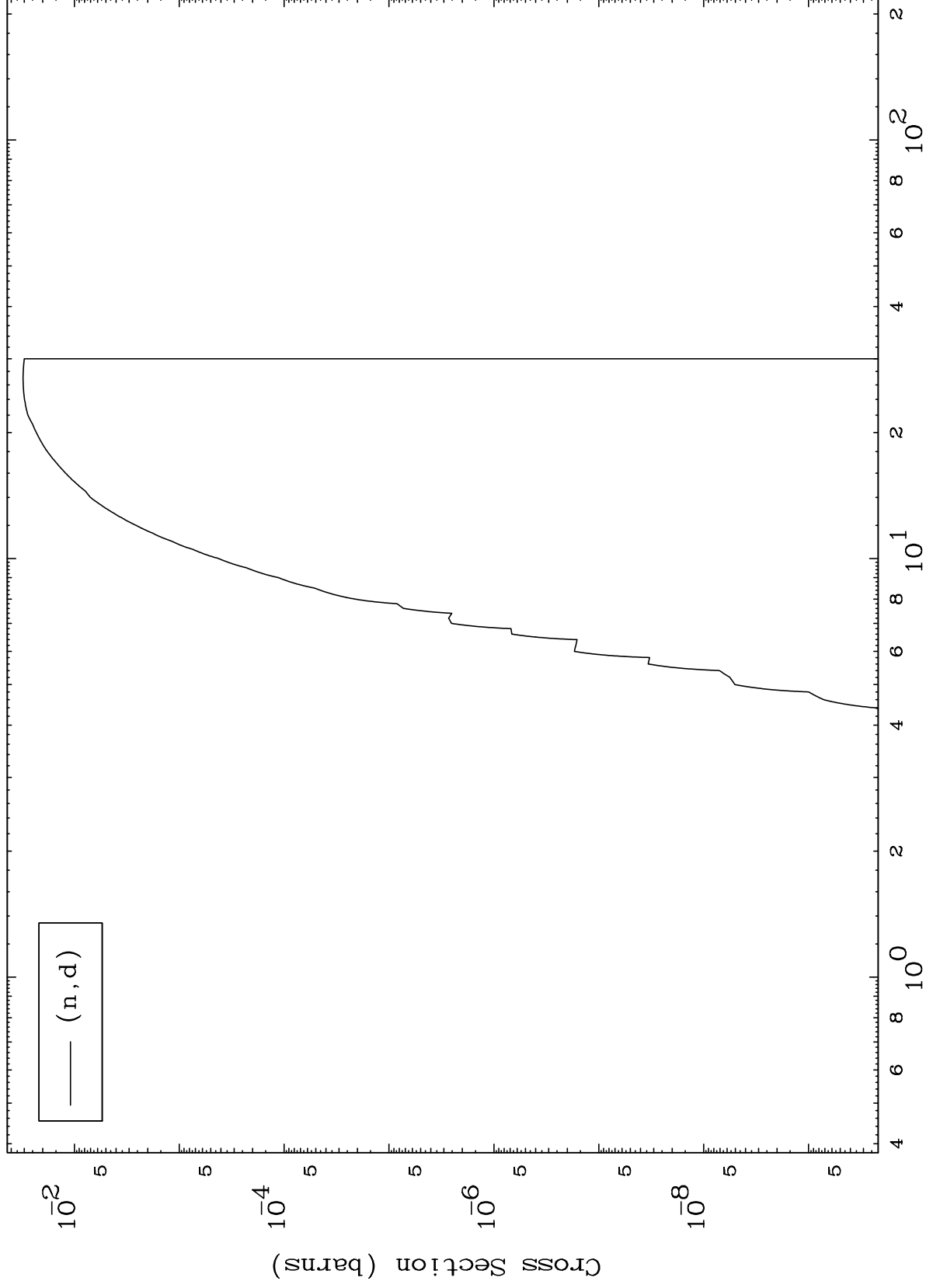
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-164



14

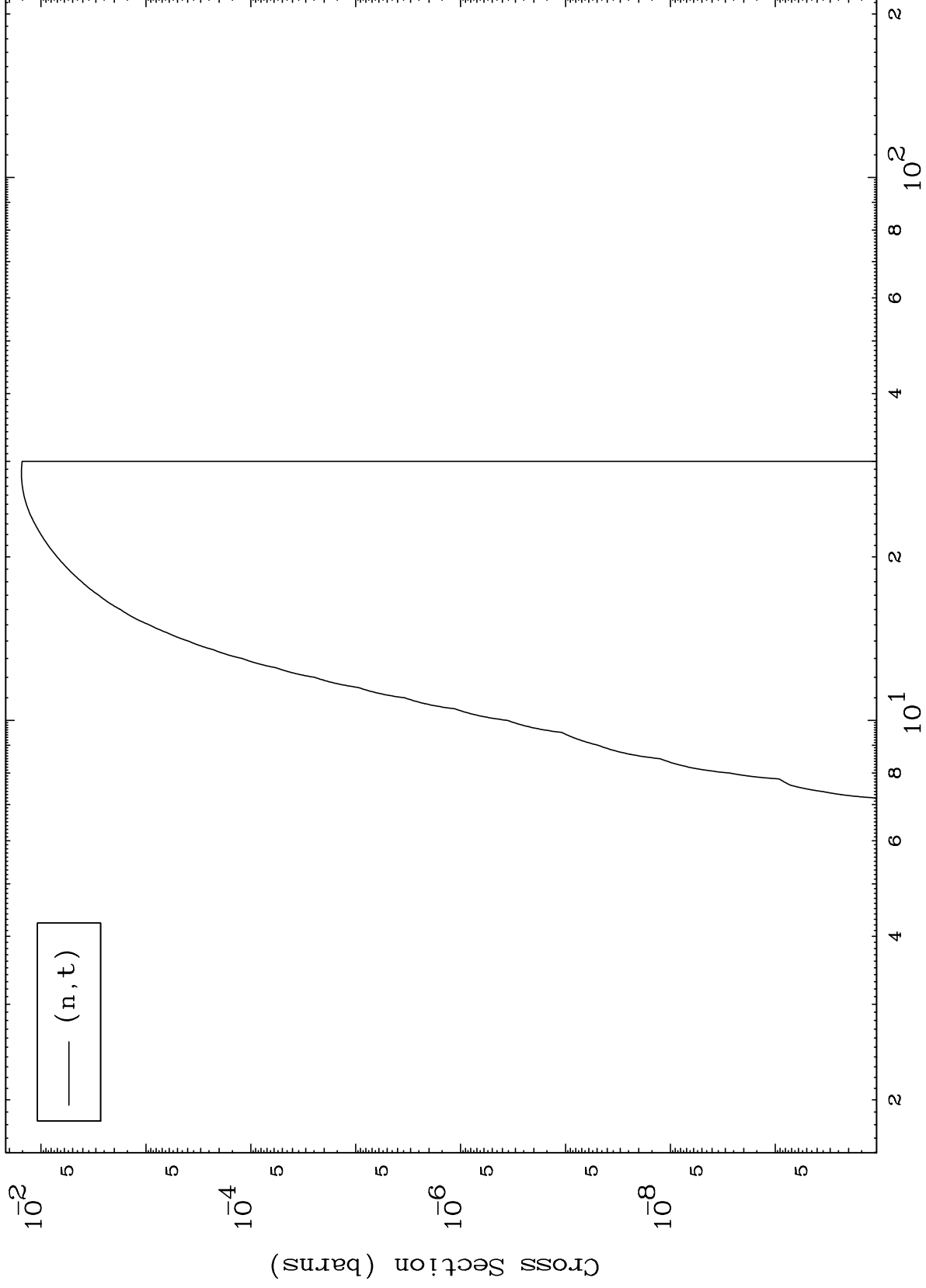
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-164



15

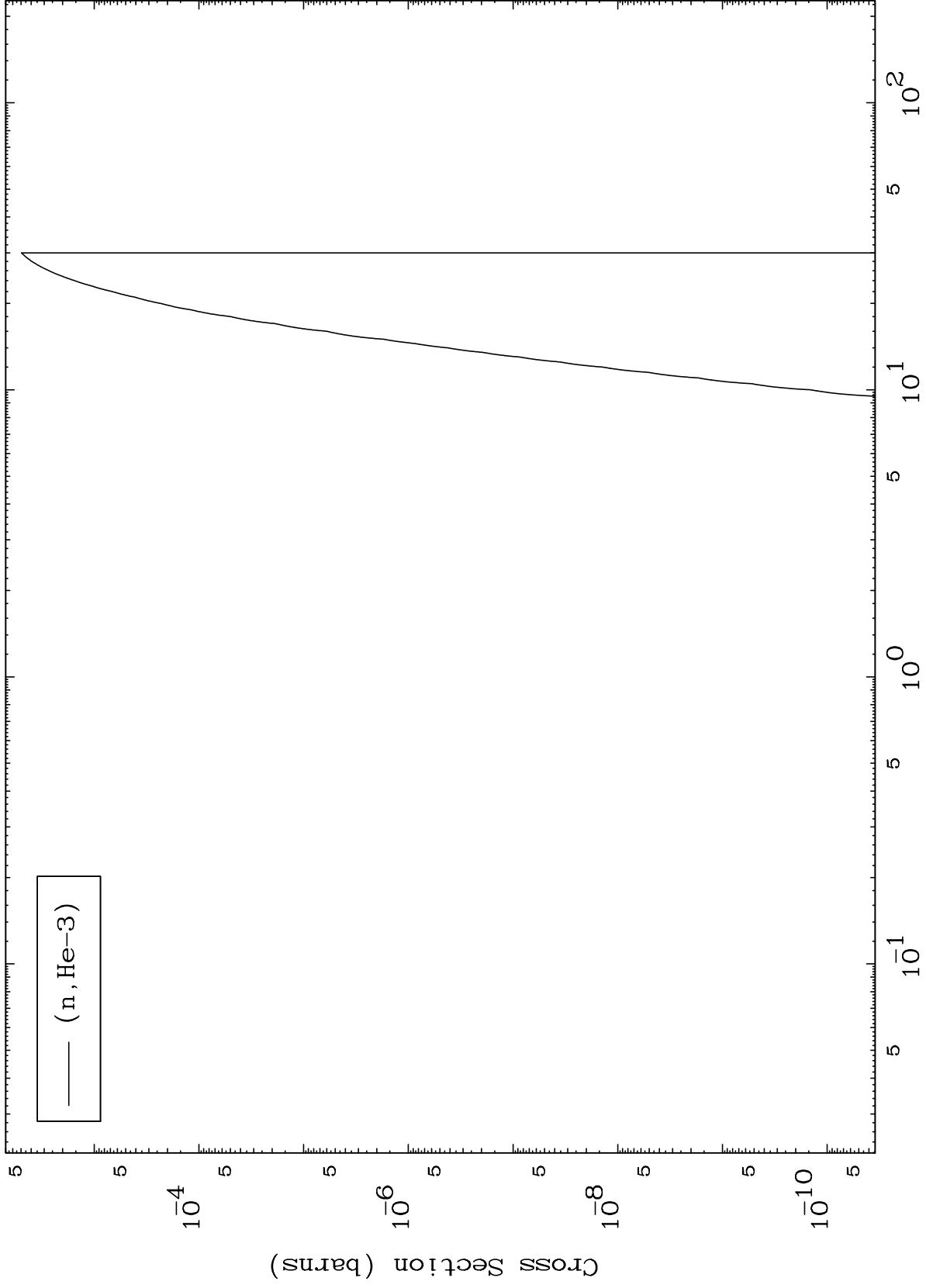
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-164



16

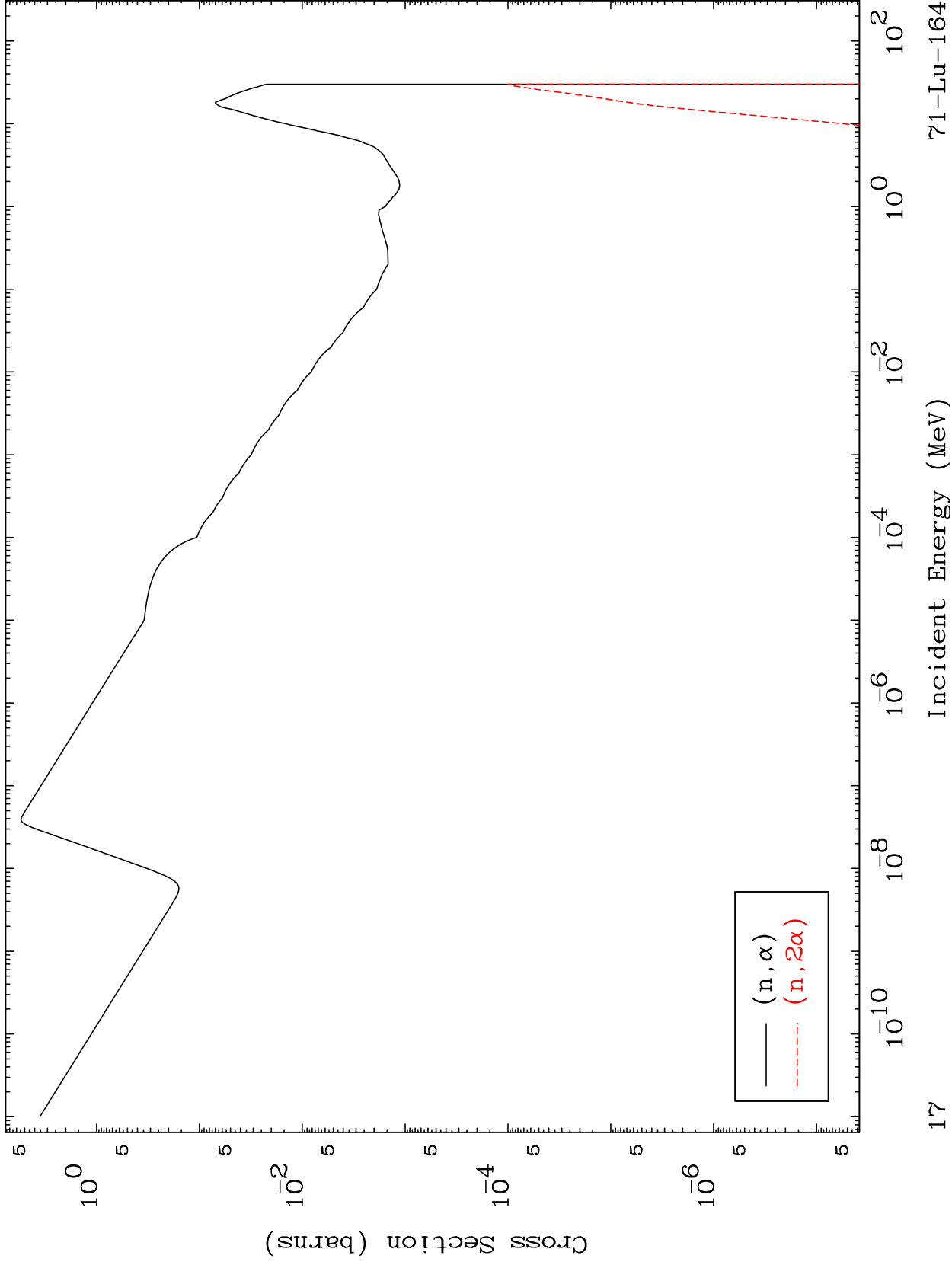
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-164

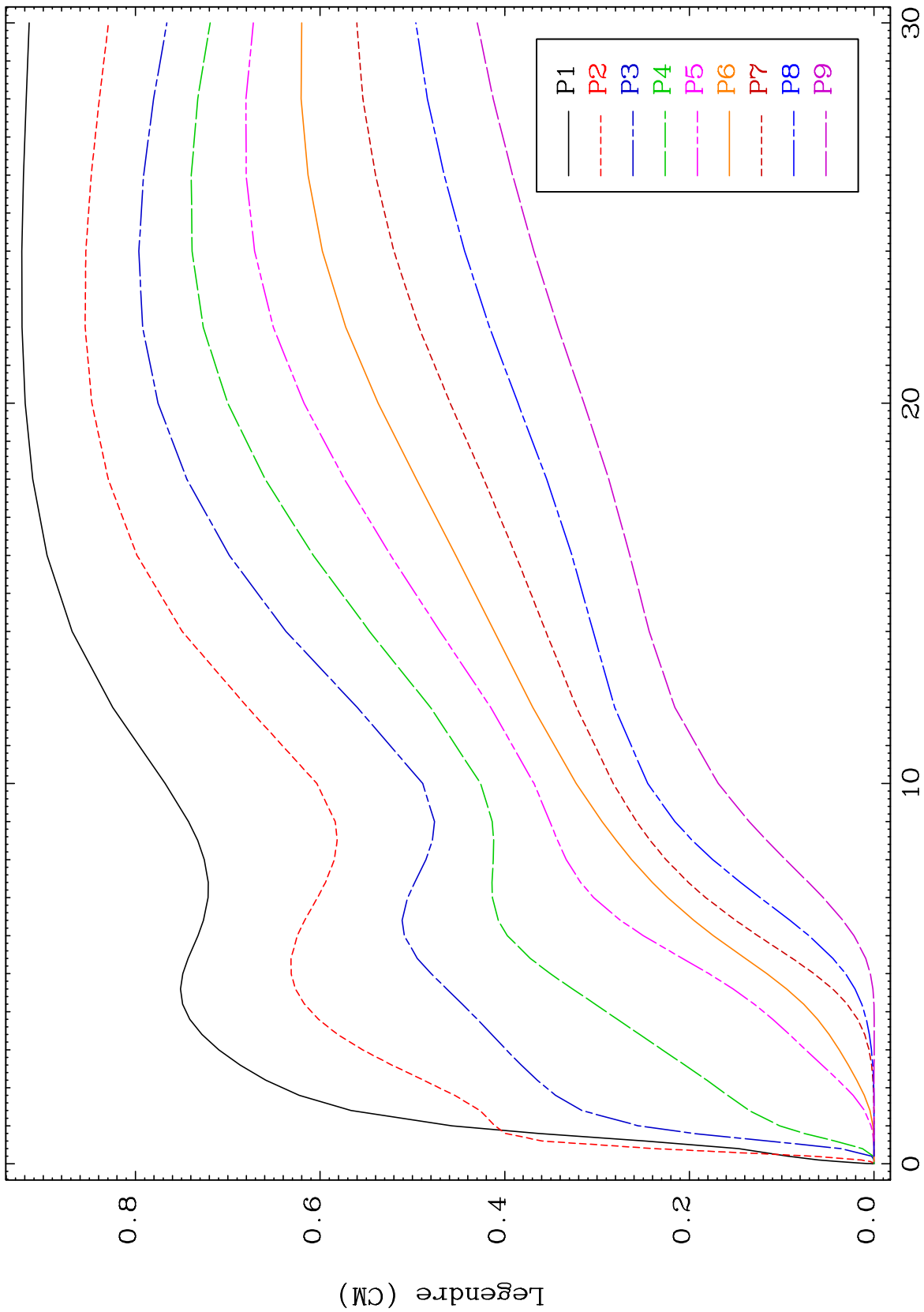


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MAT 7092

71-Lu-164

Elastic Legendre Coefficients



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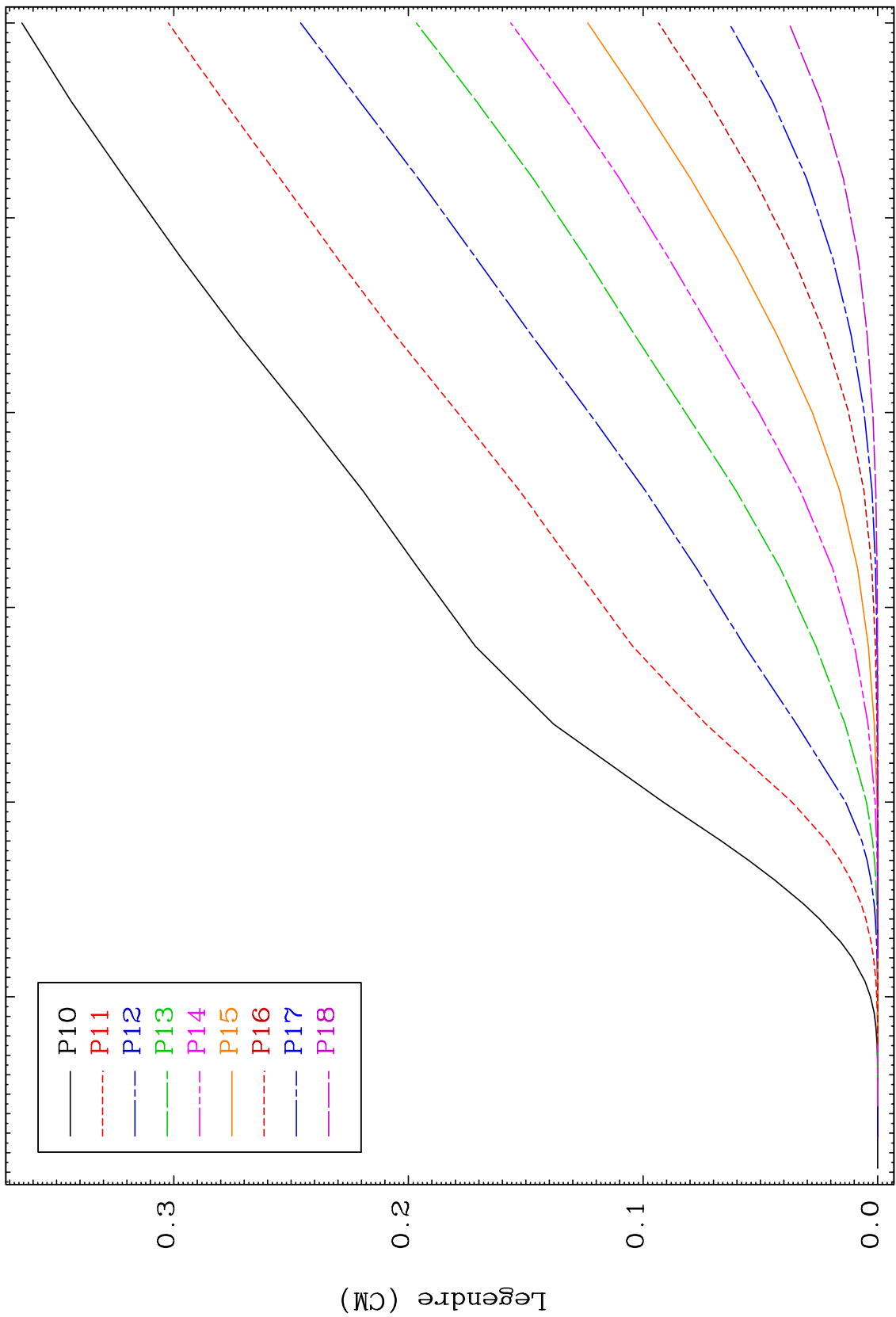
Incident Energy (MeV)

71-Lu-164

MAT 7092

Elastic Legendre Coefficients

⁷¹Lu-164



19

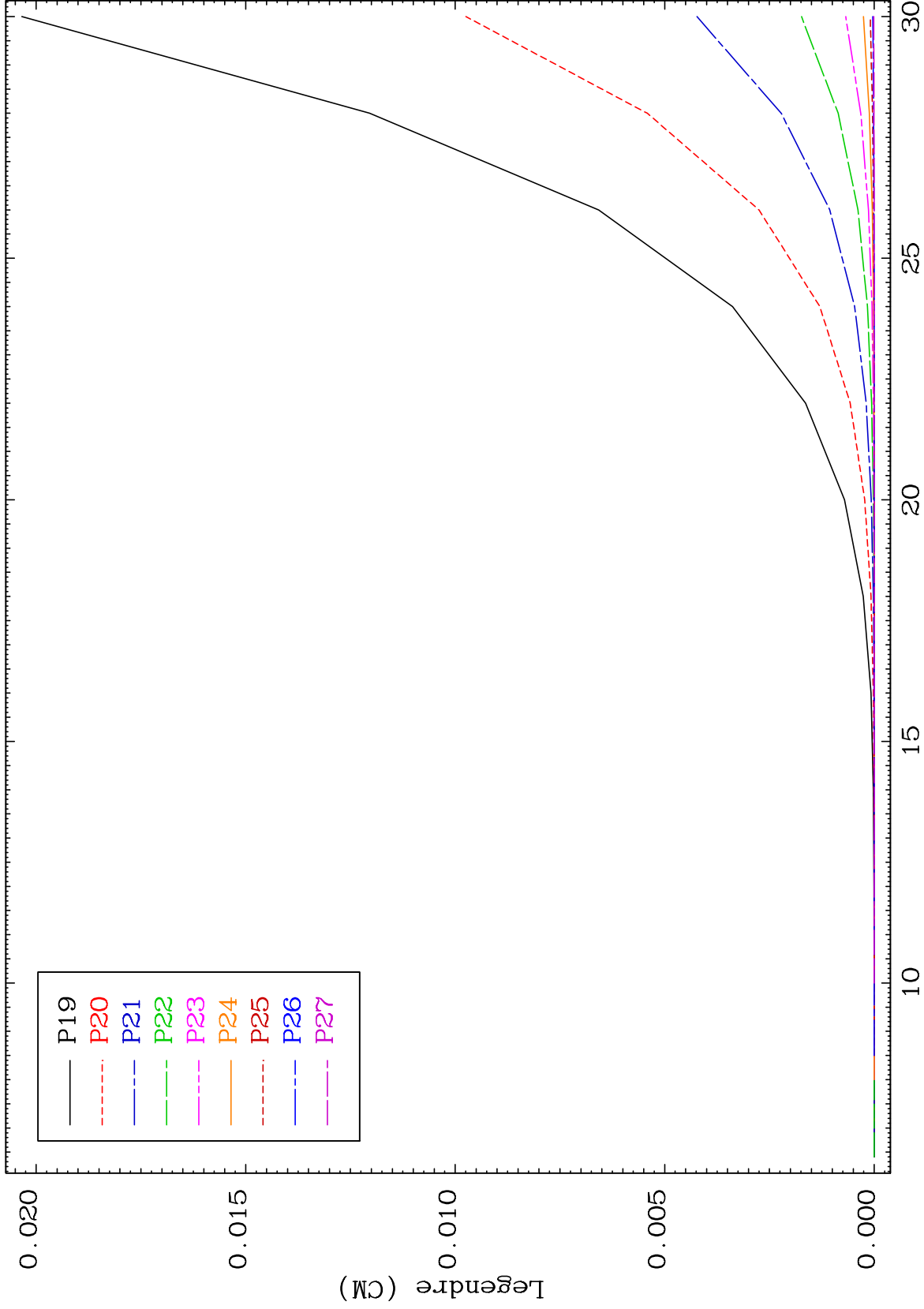
Incident Energy (MeV)

⁷¹Lu-164

MAT 7092

Elastic Legendre Coefficients

⁷¹Lu-164



20

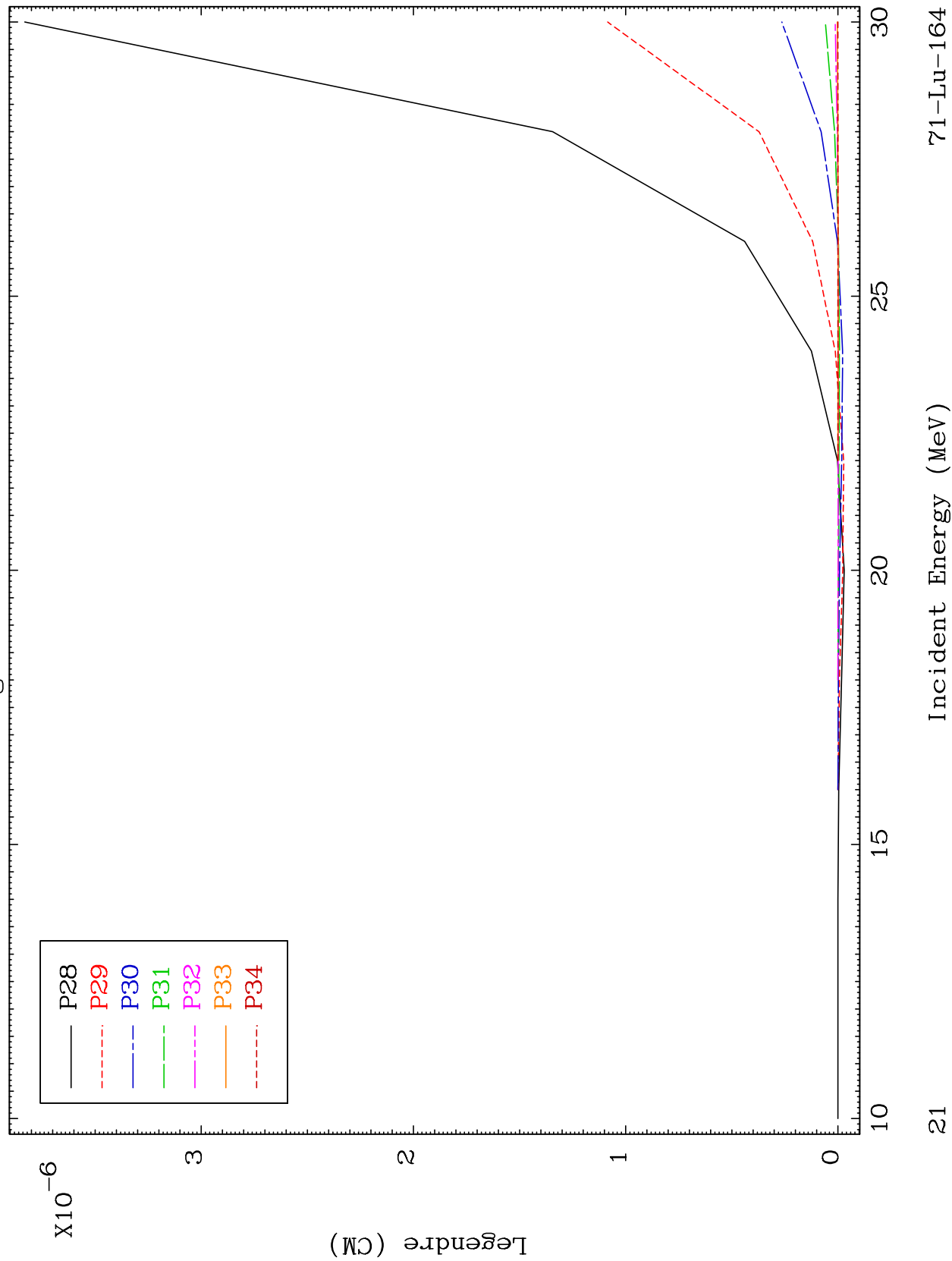
Incident Energy (MeV)

⁷¹Lu-164

MAT 7092

Elastic Legendre Coefficients

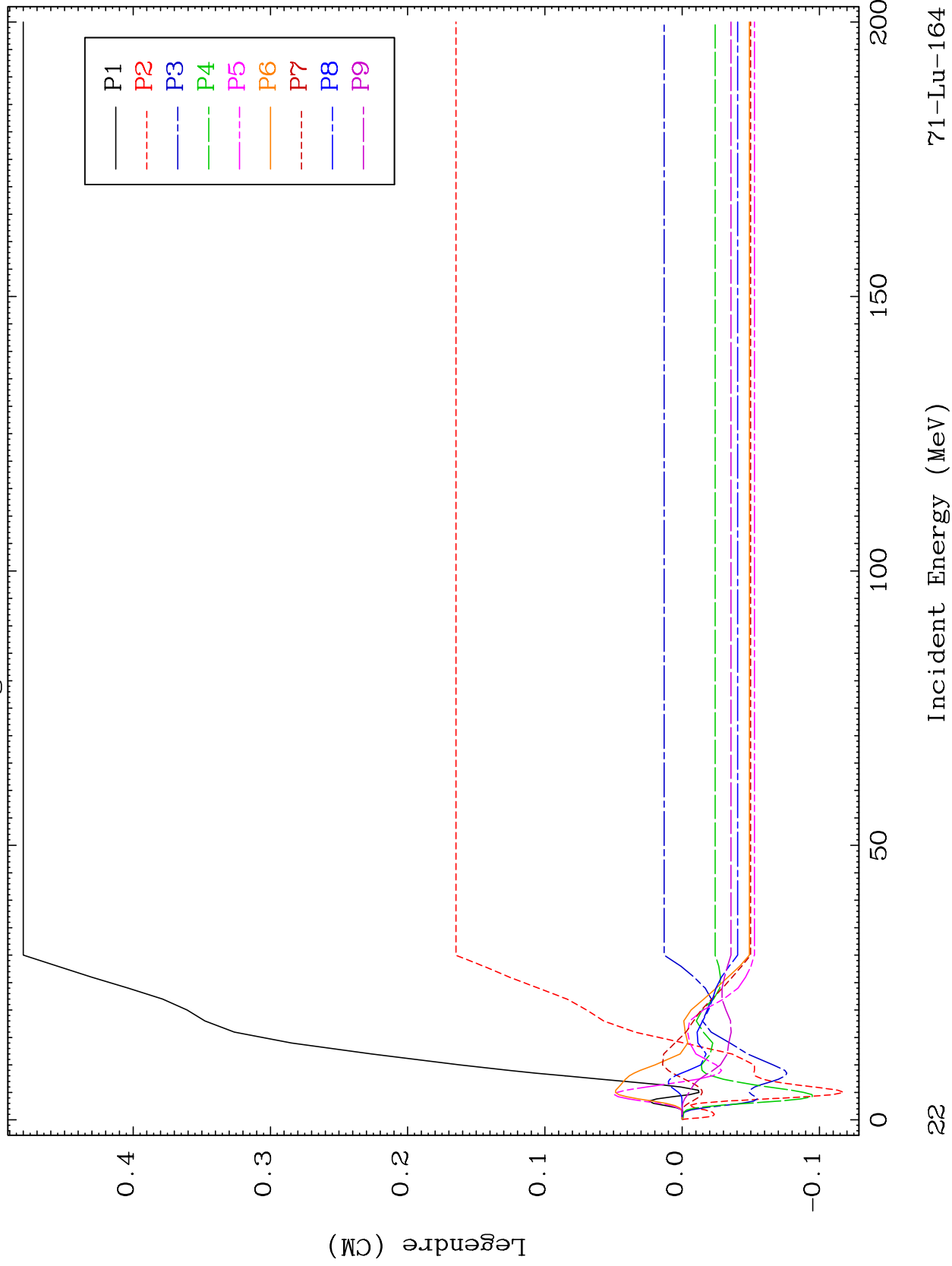
⁷¹Lu-164



MAT 7092

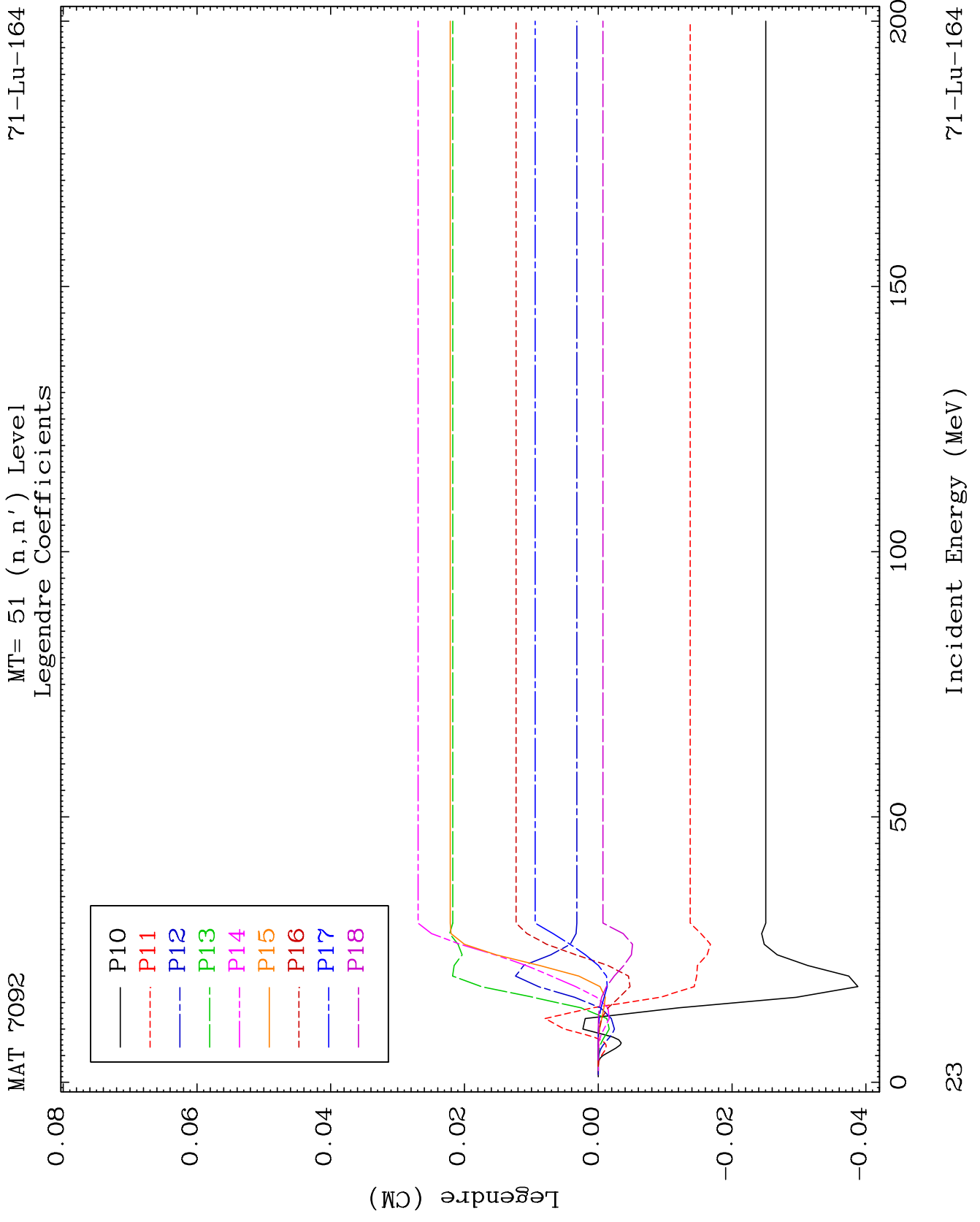
MT= 51 (n,n') Level
Legendre Coefficients

71-Lu-164



22

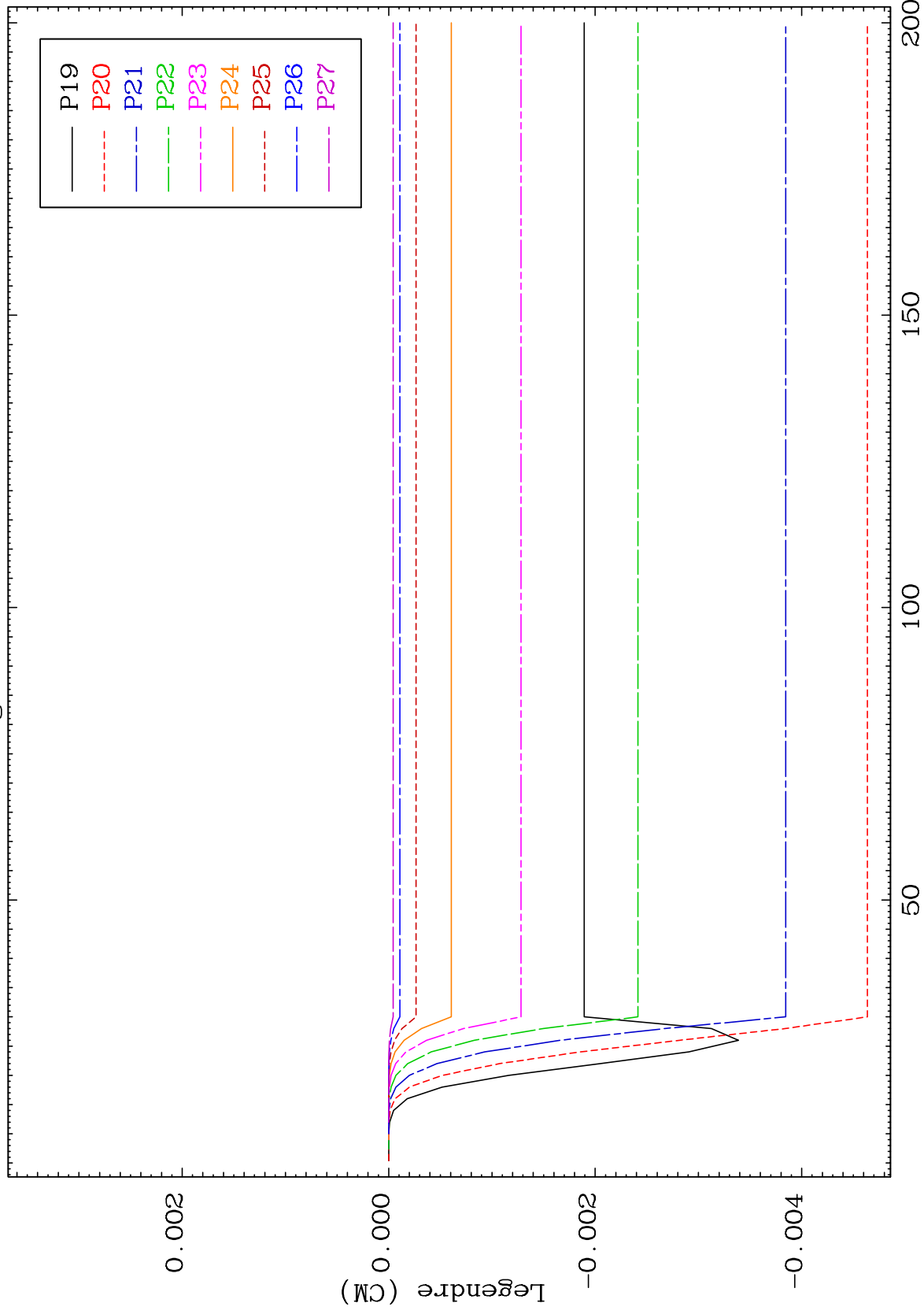
71-Lu-164



MAT 7092

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

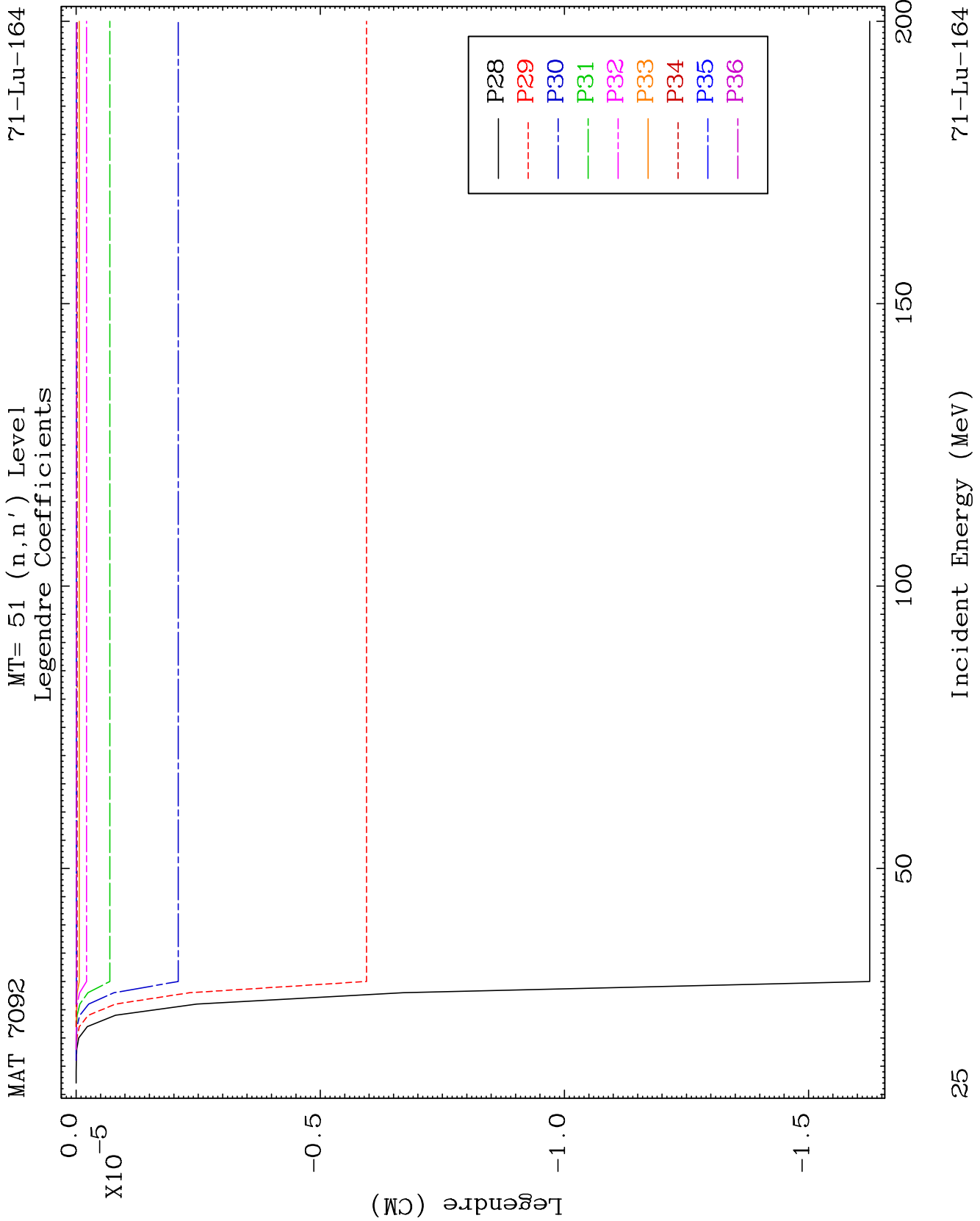
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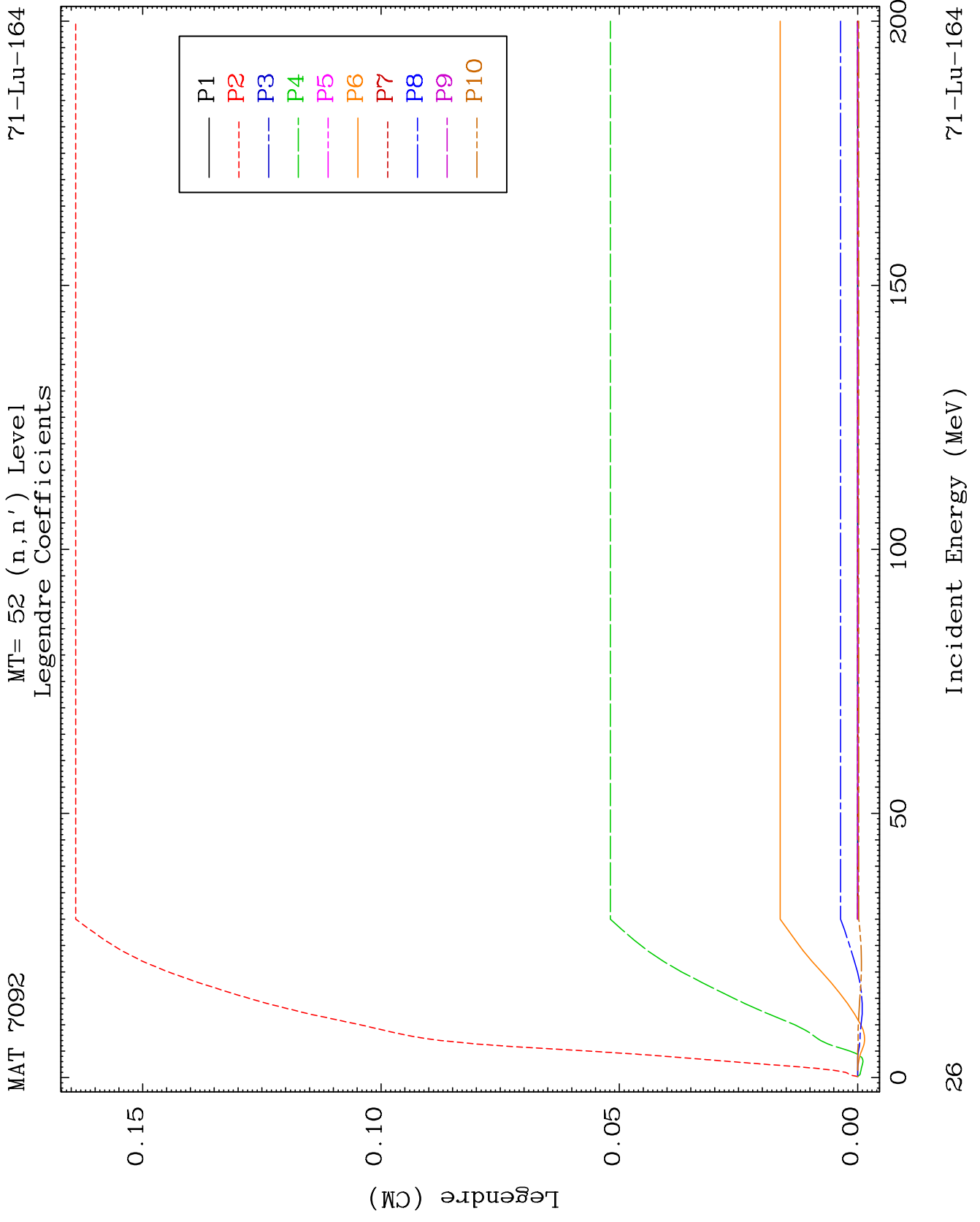


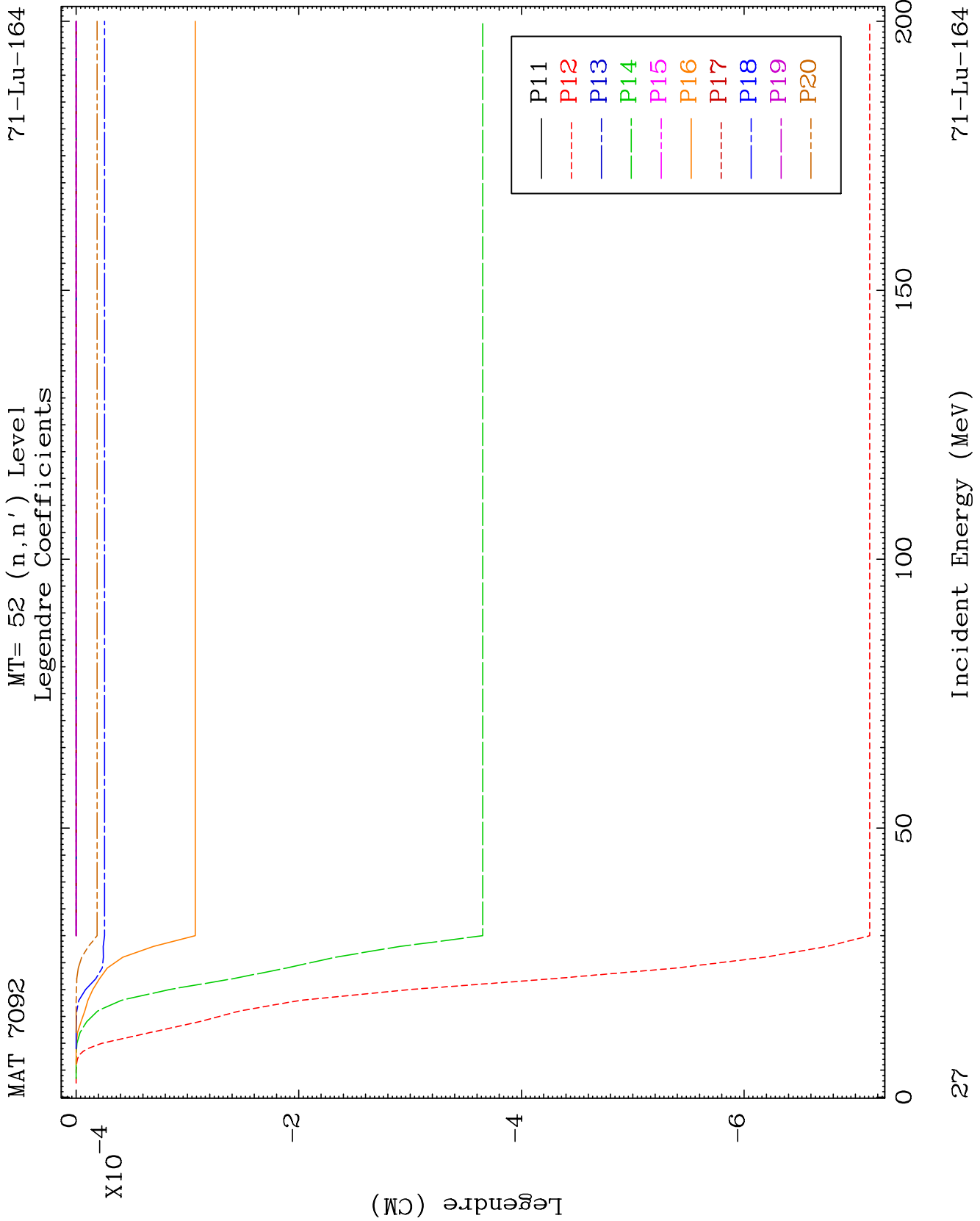
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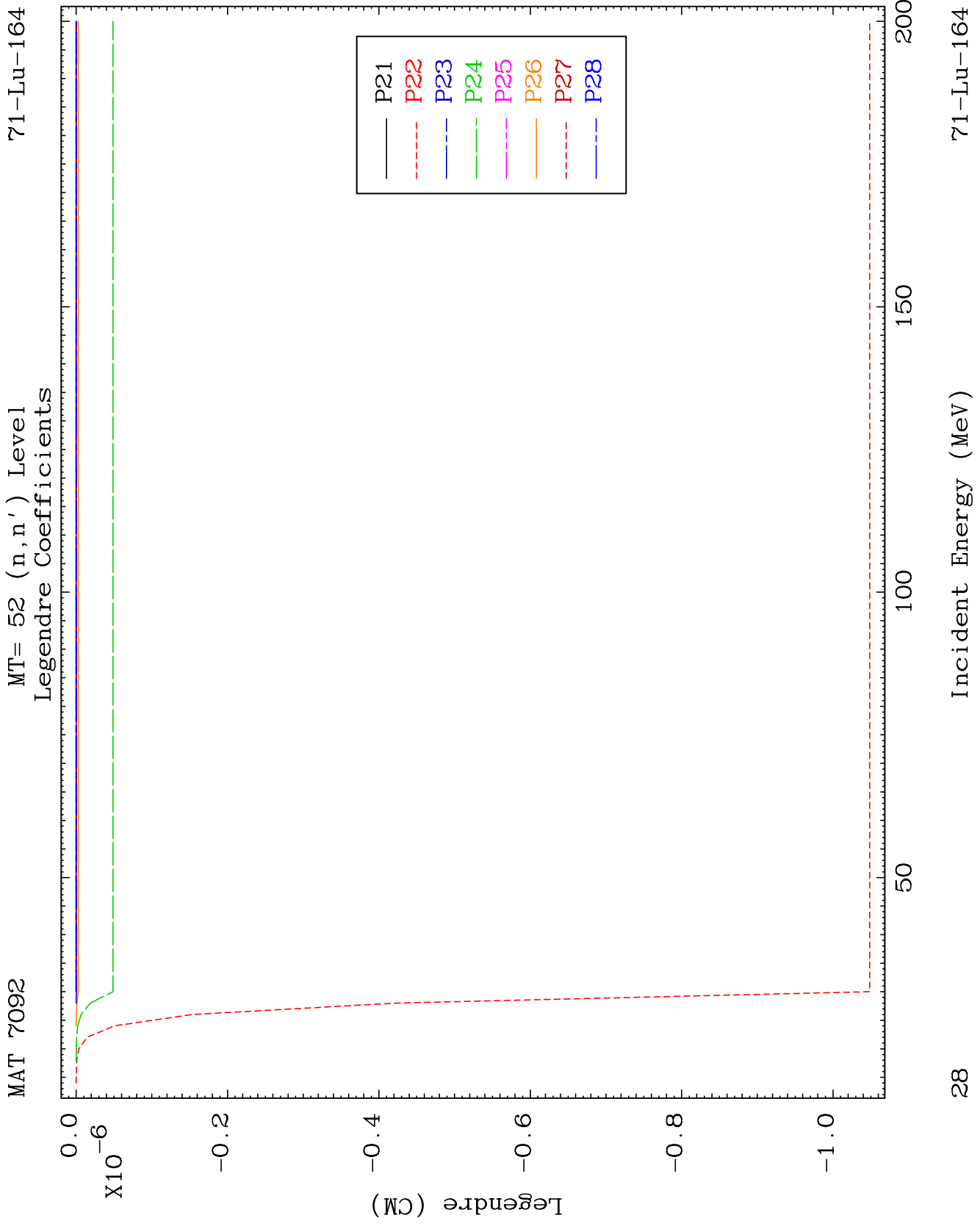
Incident Energy (MeV)

71-Lu-164





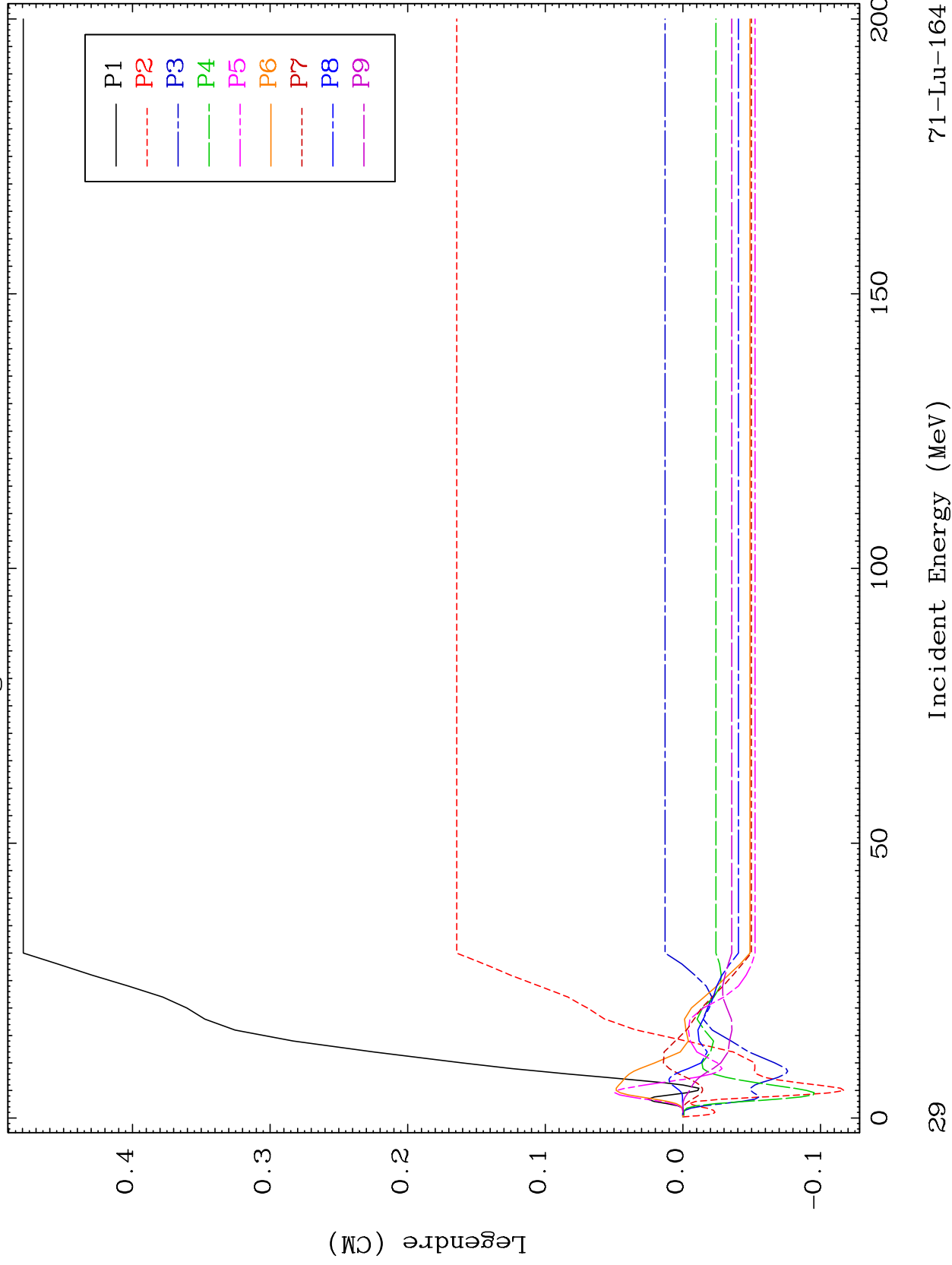




MAT 7092

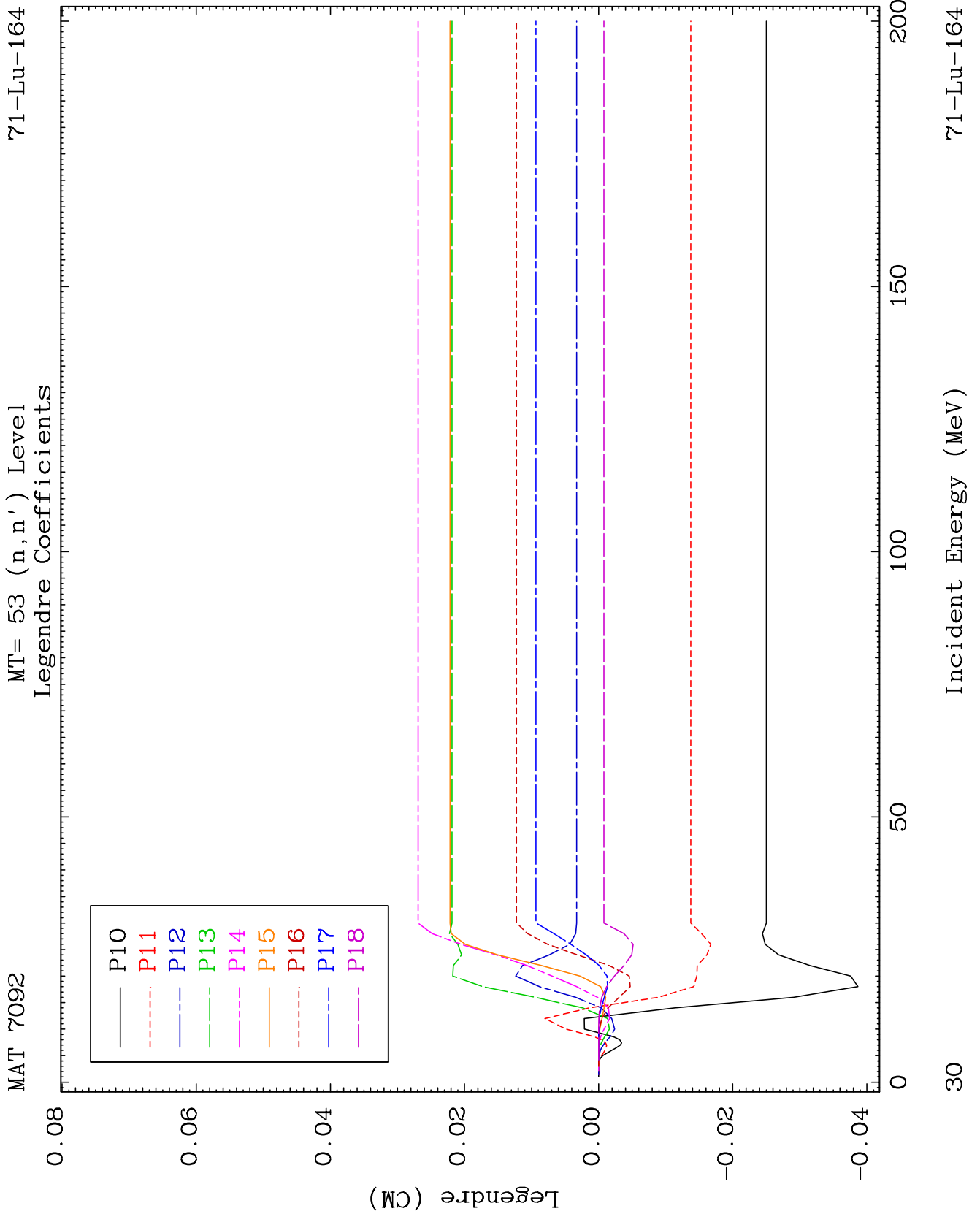
MT= 53 (n,n') Level
Legendre Coefficients

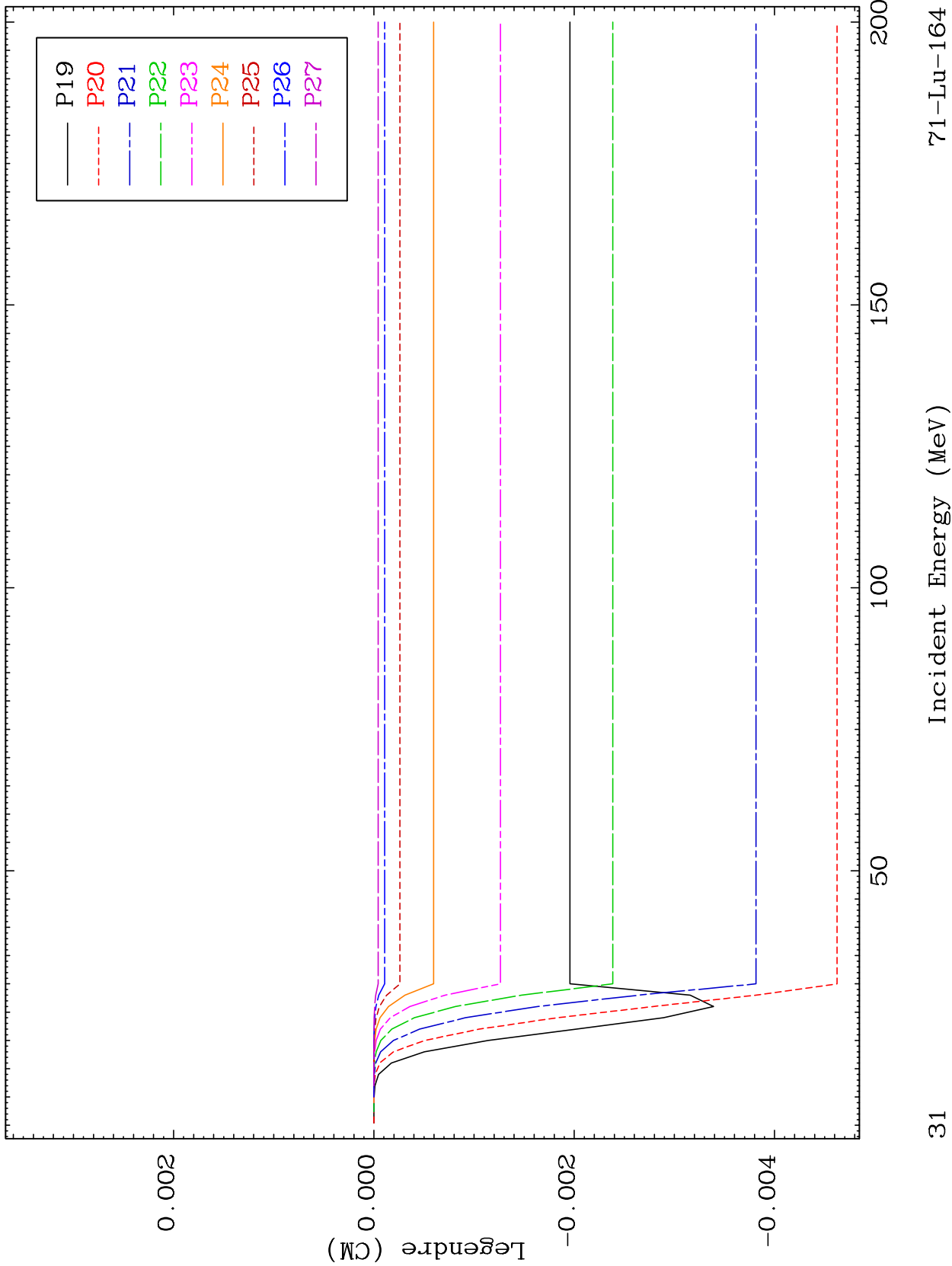
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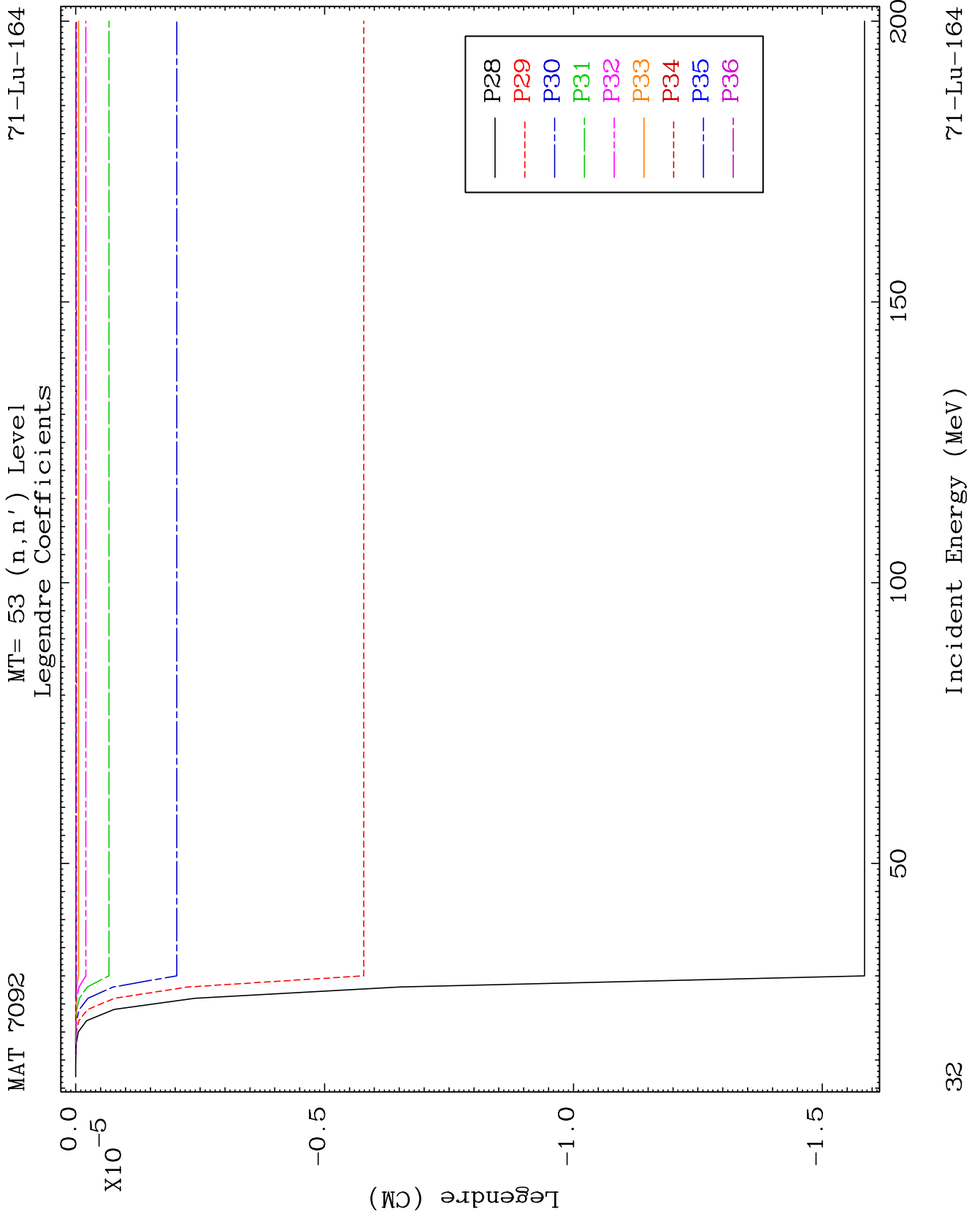


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71-Lu-164



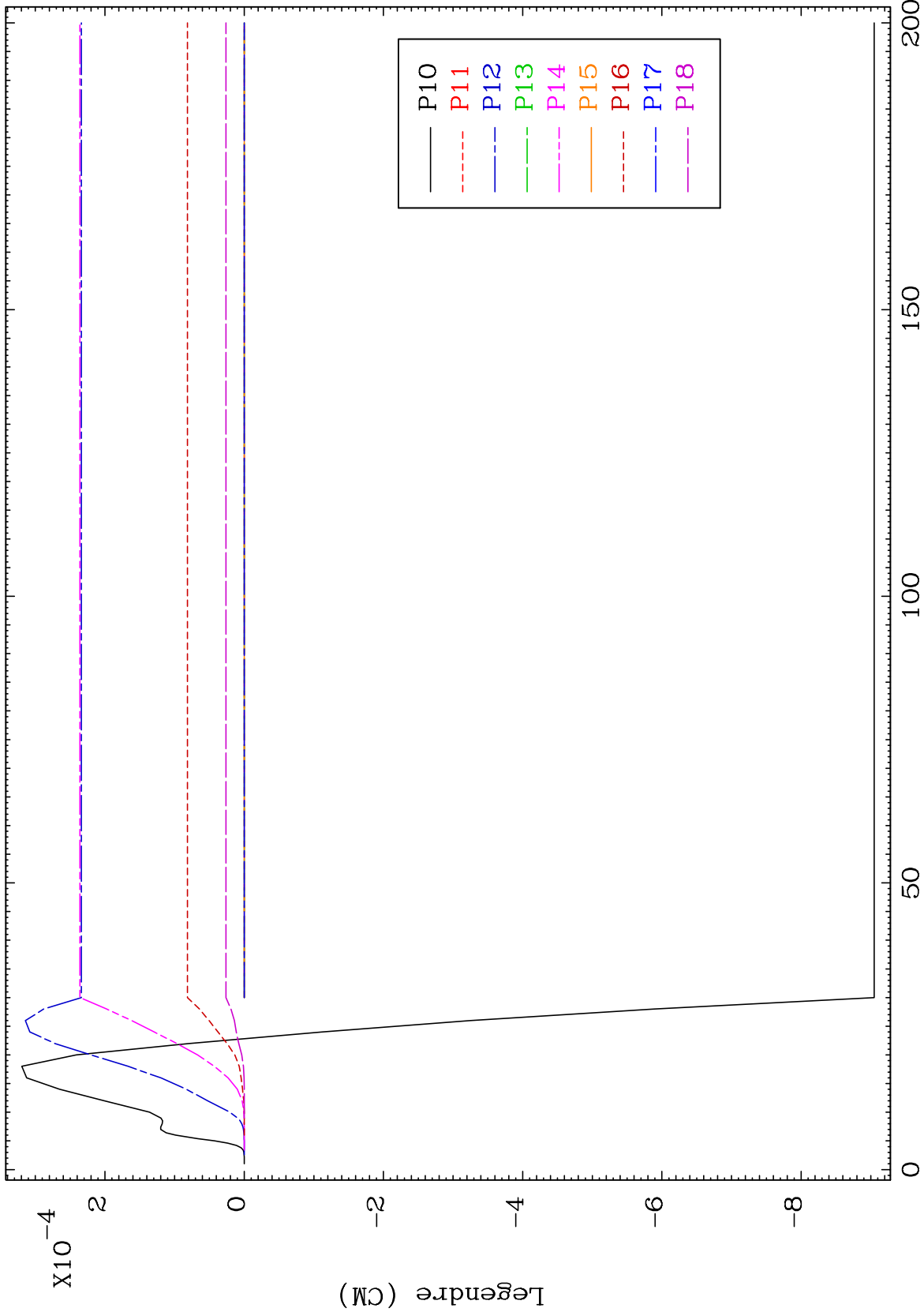




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MT= 54 (n,n') Level
Legendre Coefficients

71-Lu-164



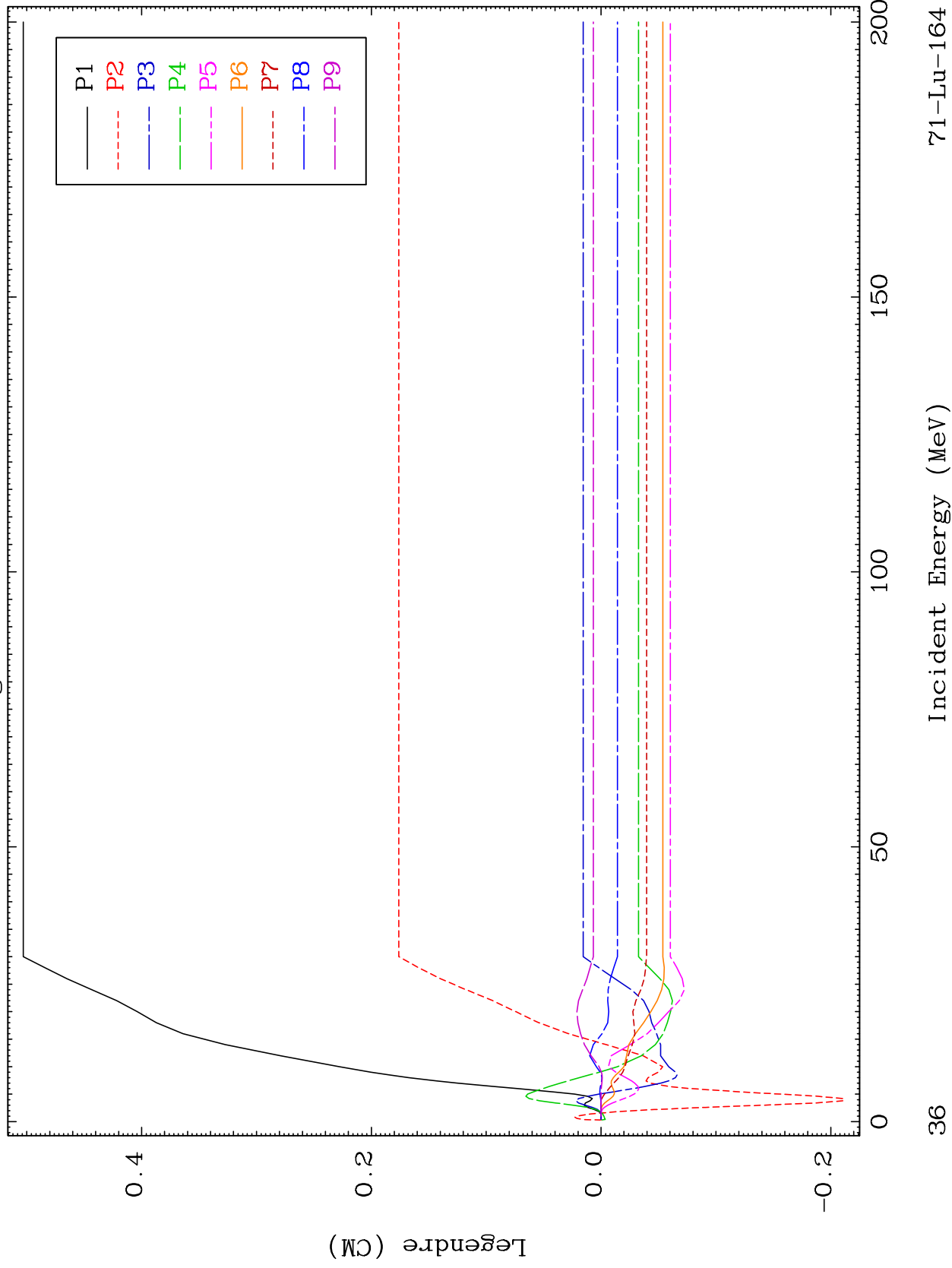
34

71-Lu-164

MAT 7092

MT= 55 (n,n') Level
Legendre Coefficients

71-Lu-164



71-Lu-164

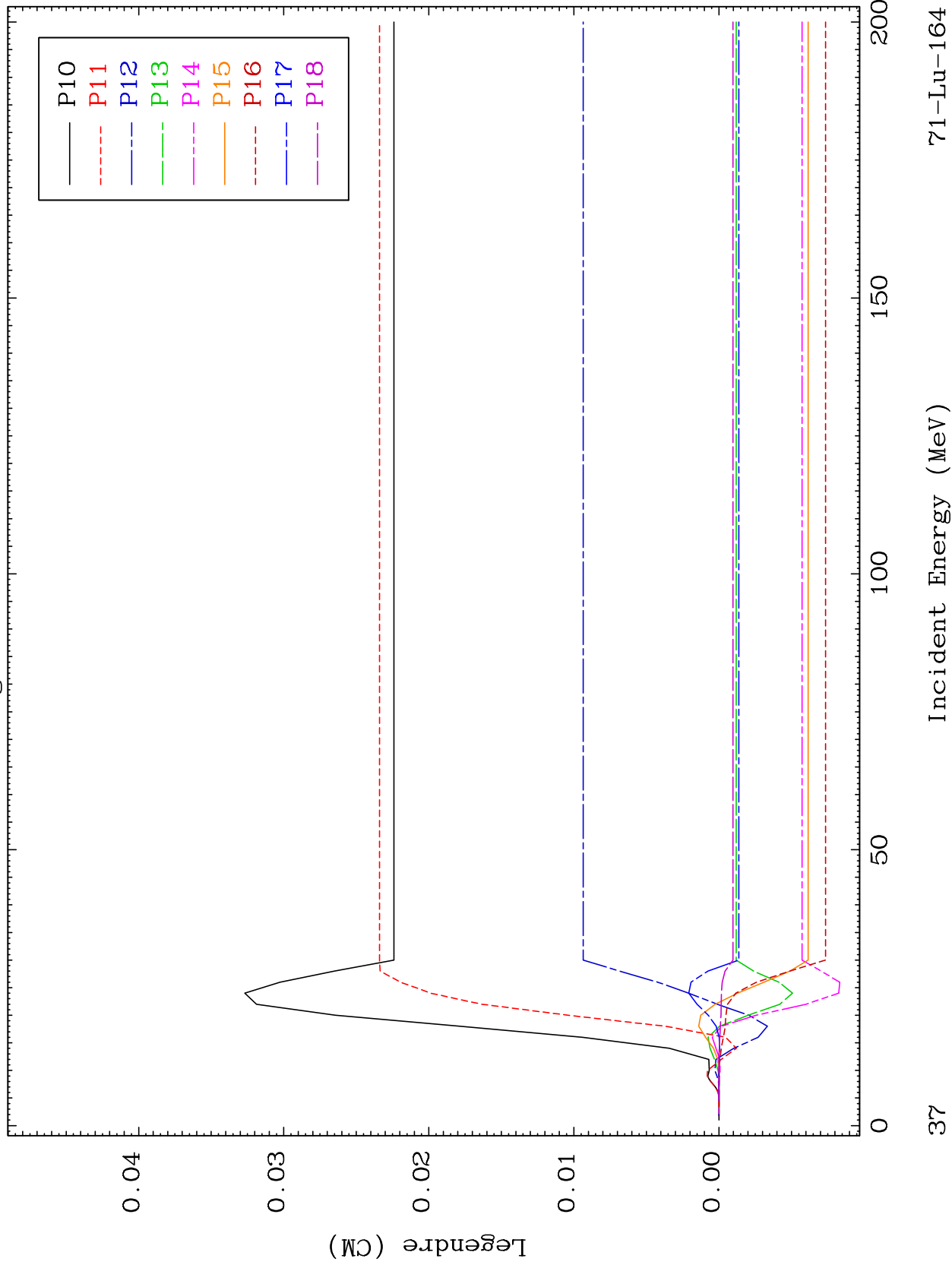
Incident Energy (MeV)

36

MAT 7092

MT= 55 (n,n') Level
Legendre Coefficients

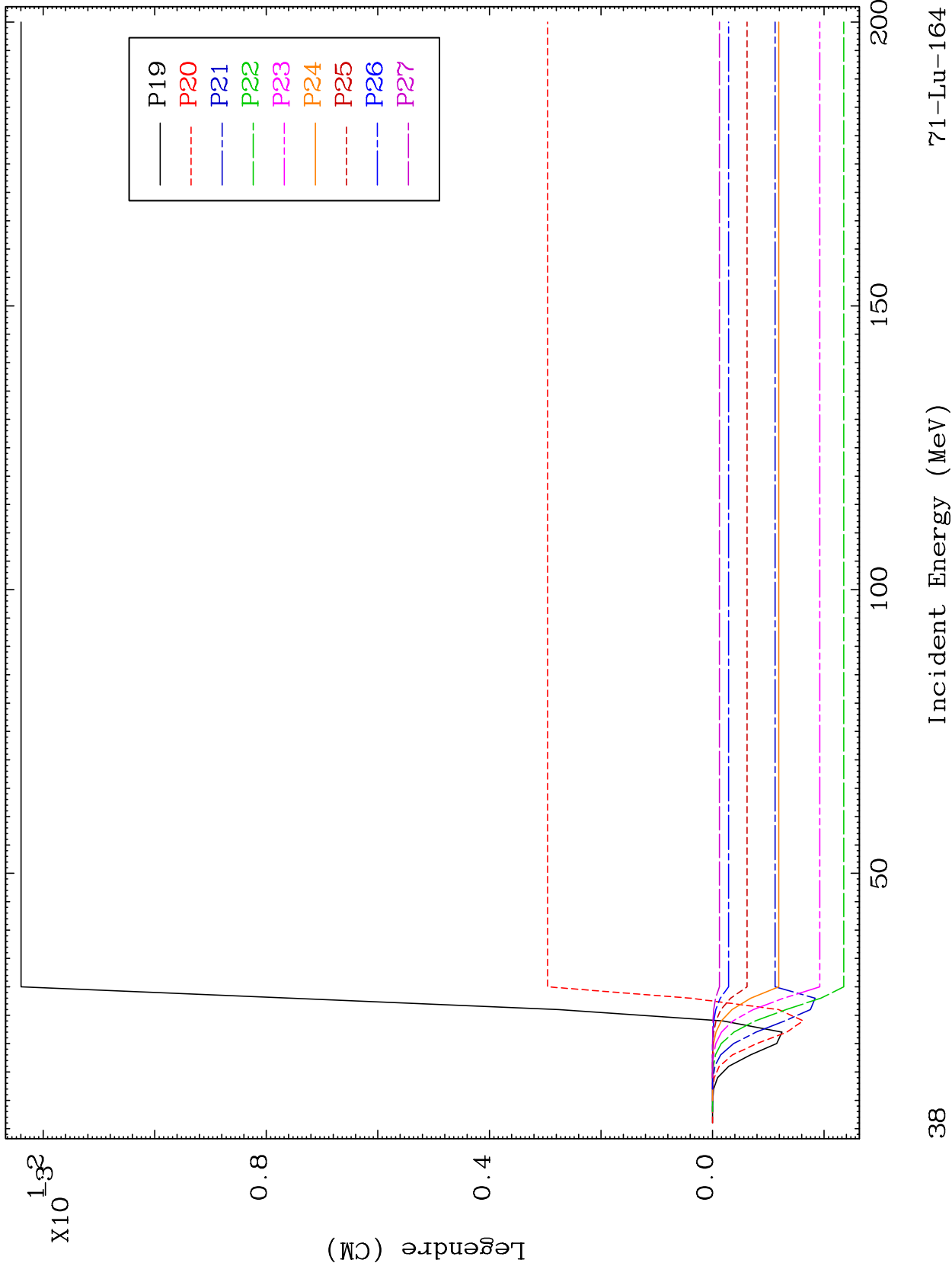
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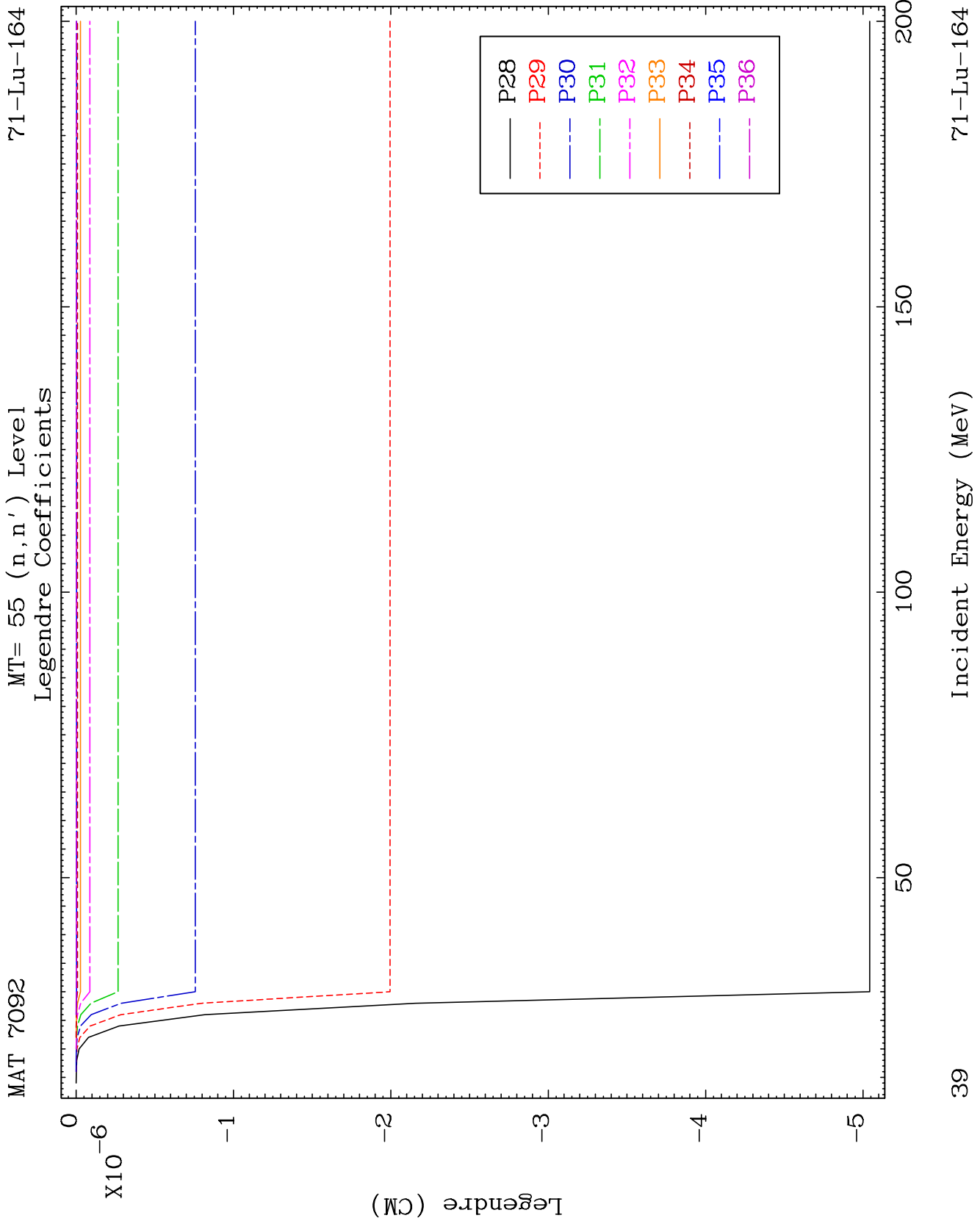


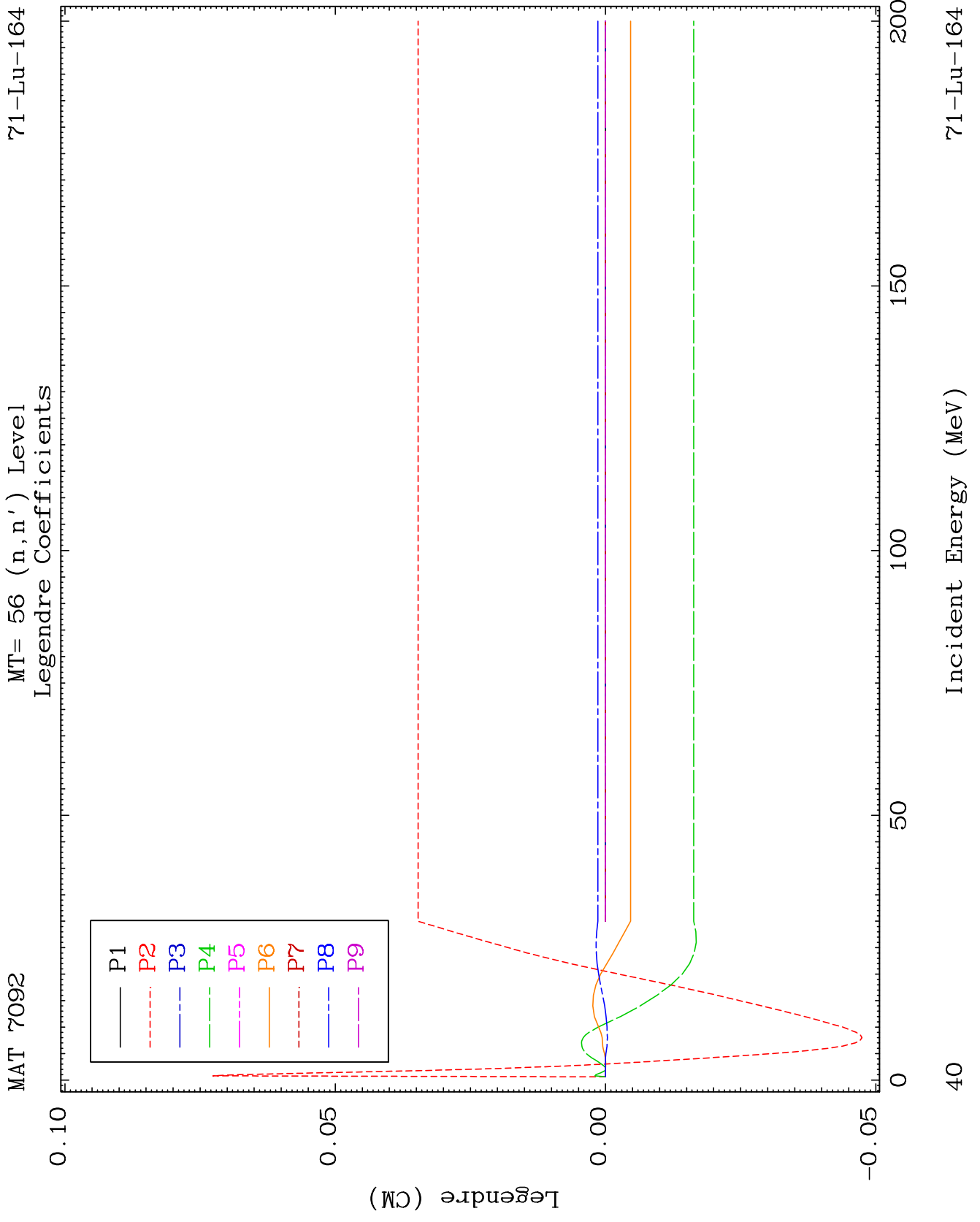
37

Incident Energy (MeV)

71-Lu-164



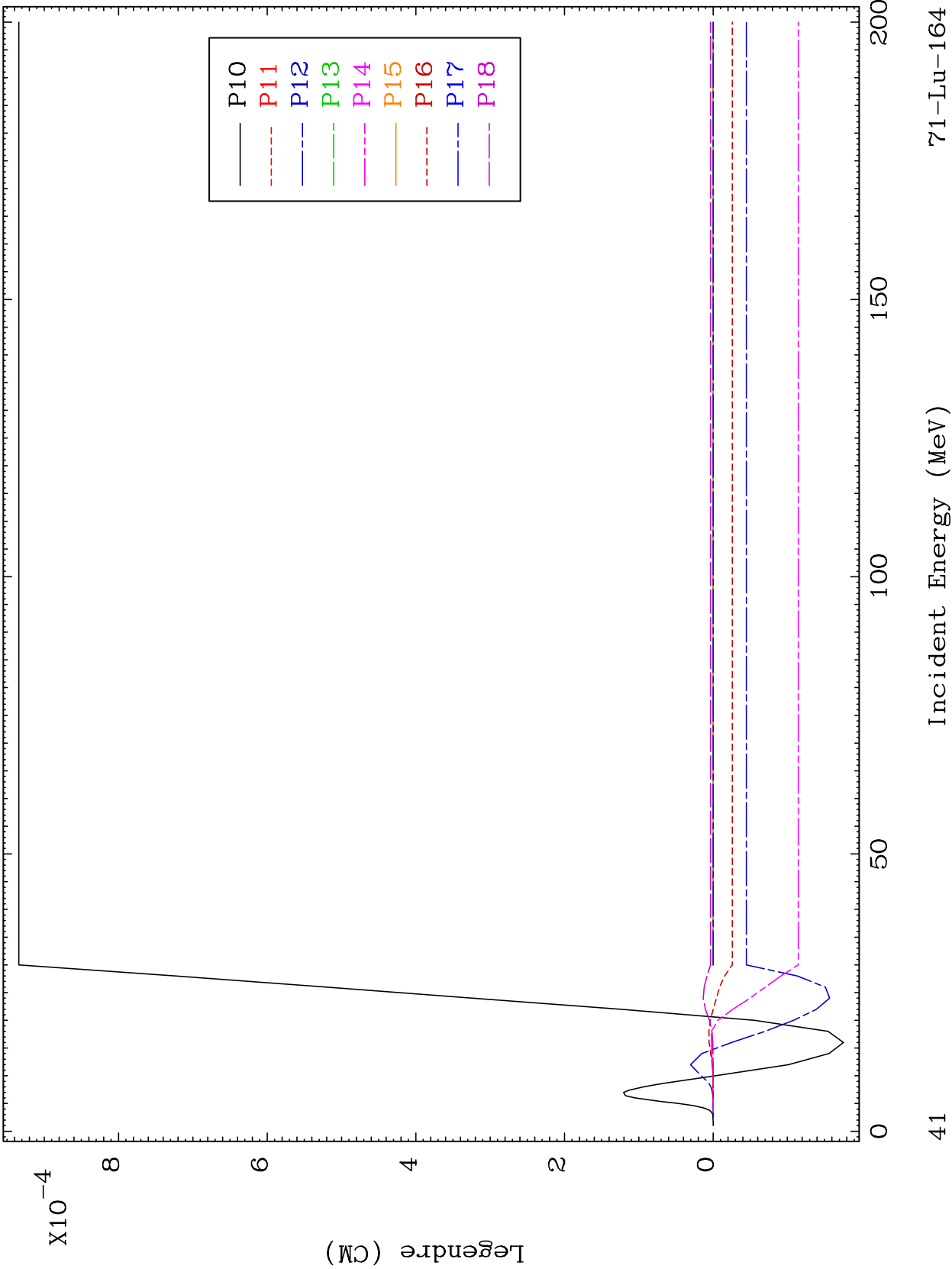




MAT 7092

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

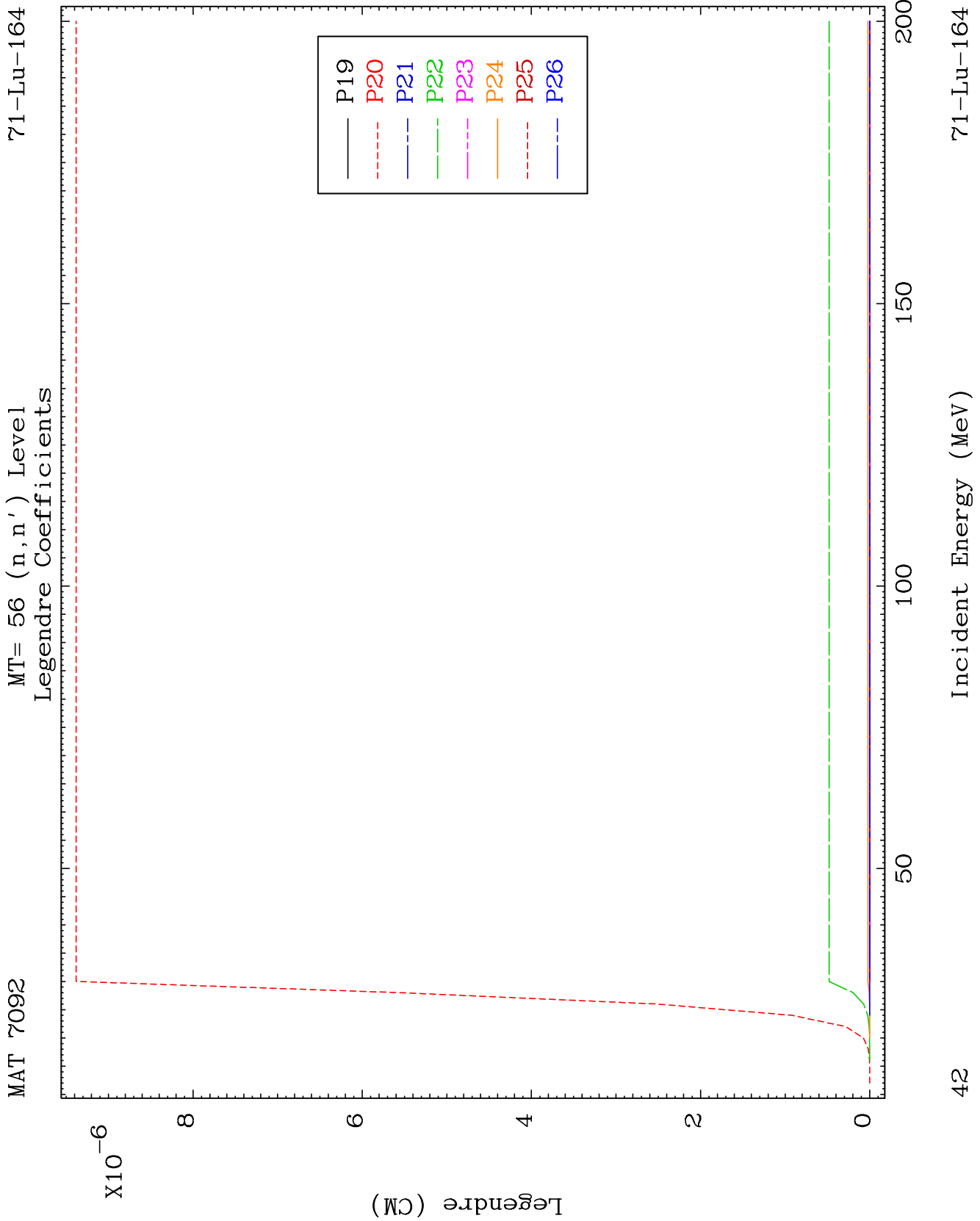
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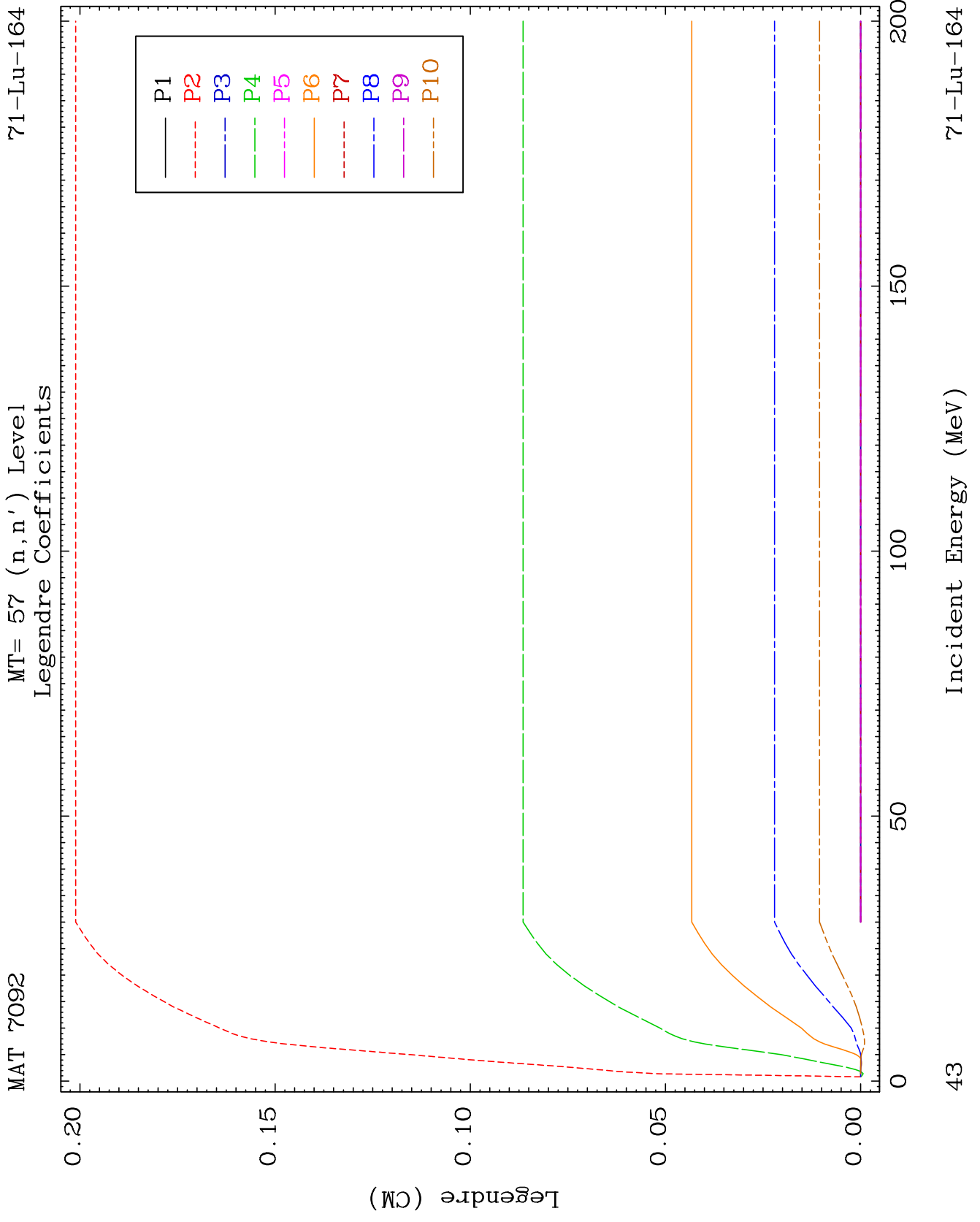


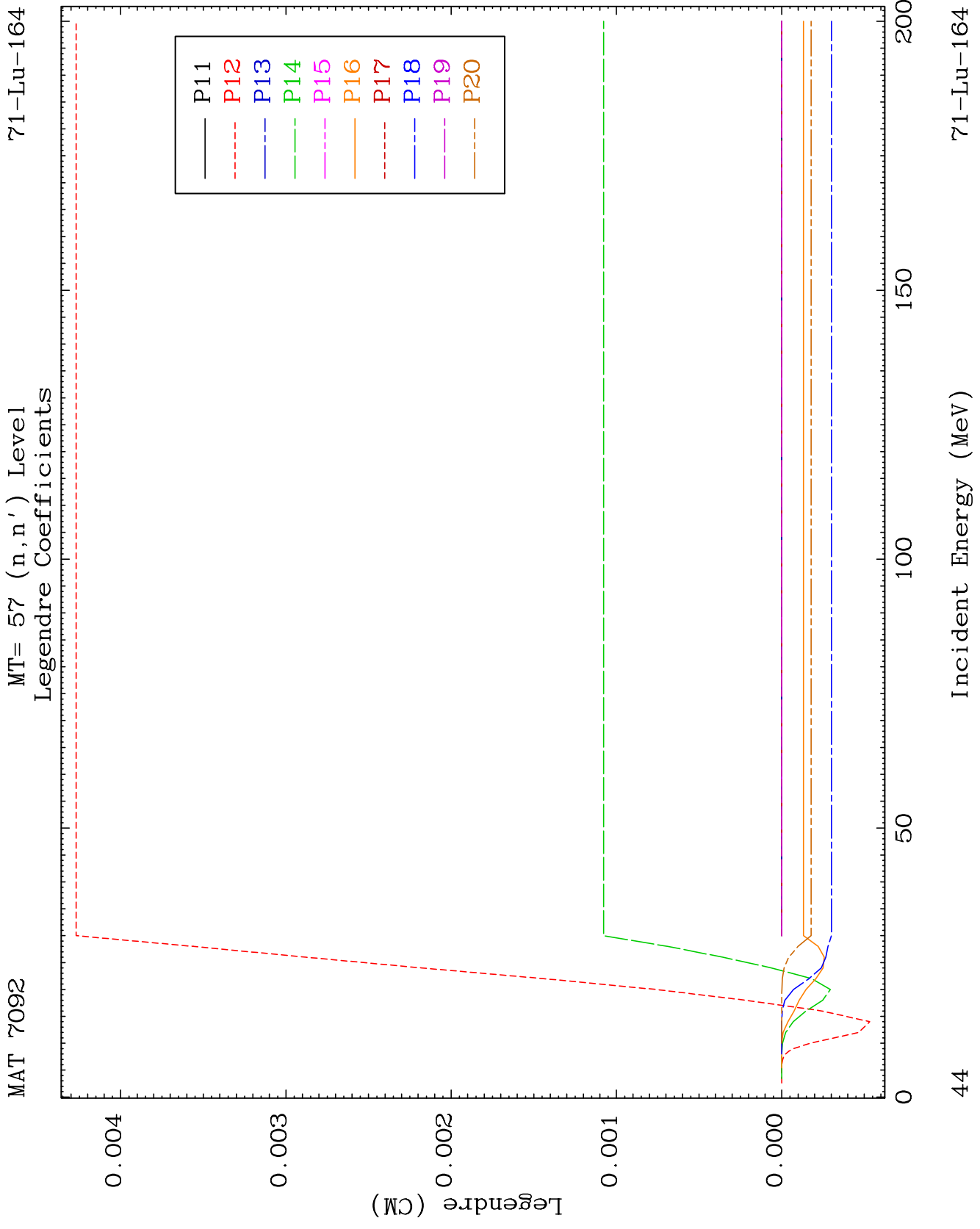
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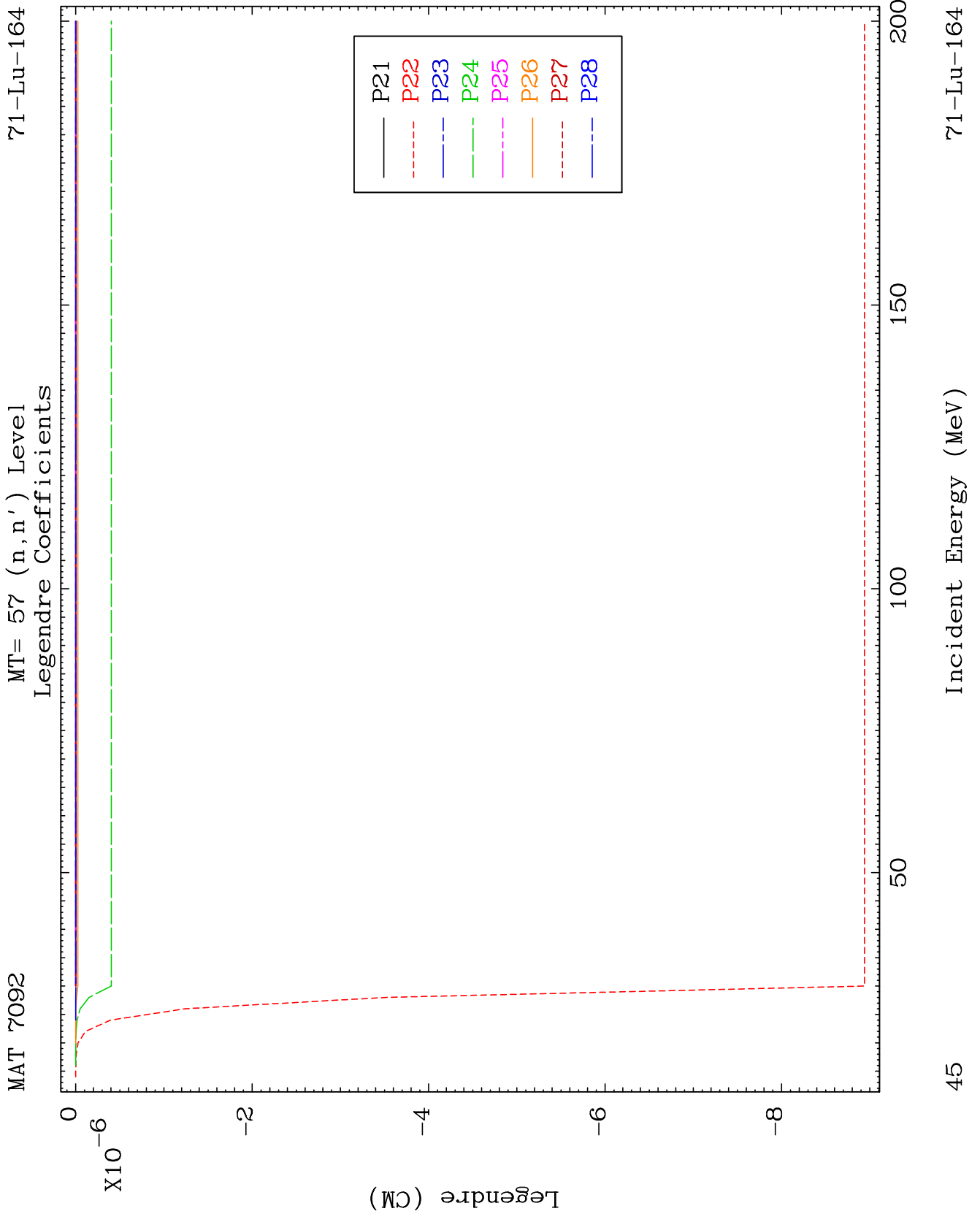
Incident Energy (MeV)

41





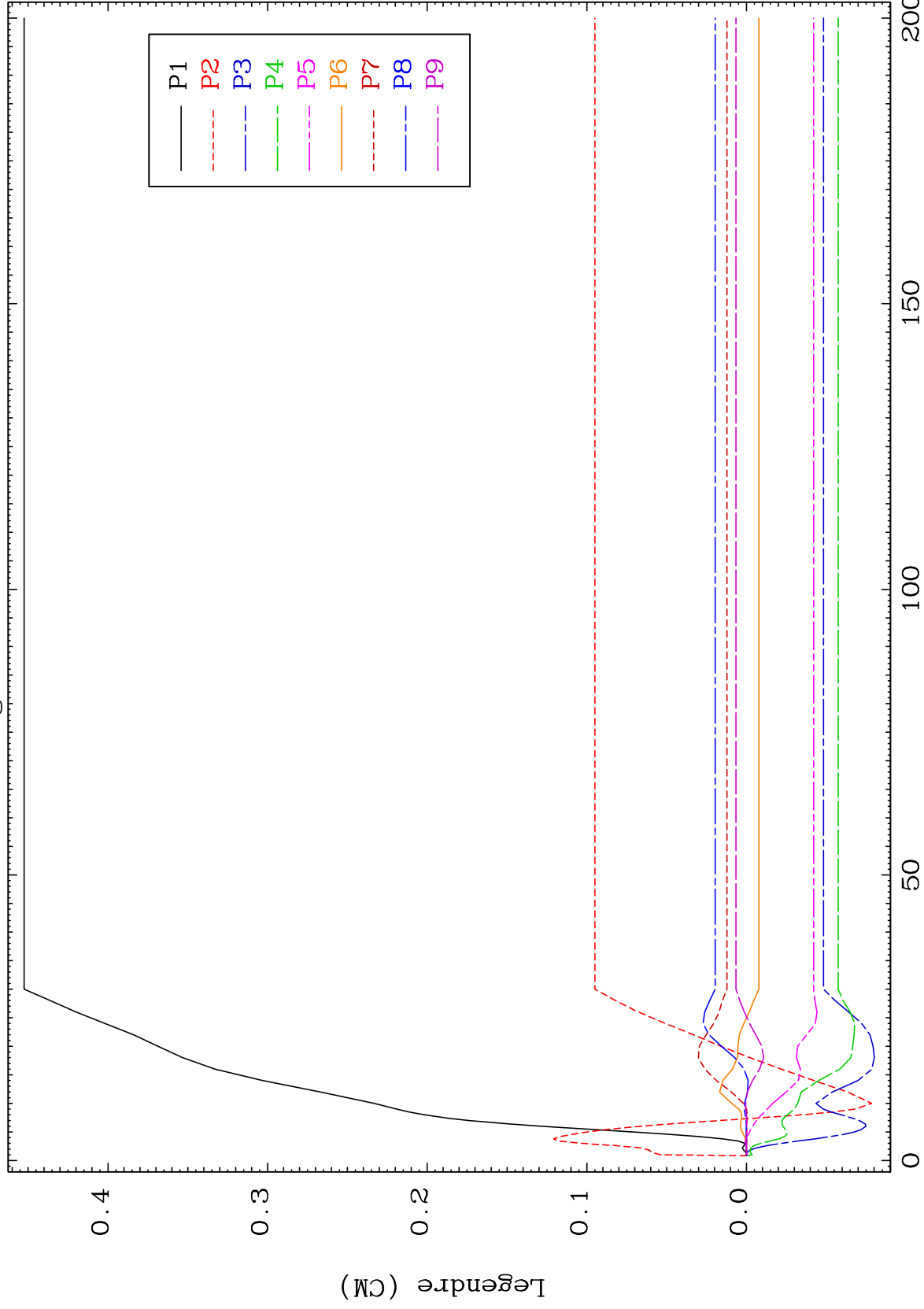




MAT 7092

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

71-Lu-164



46

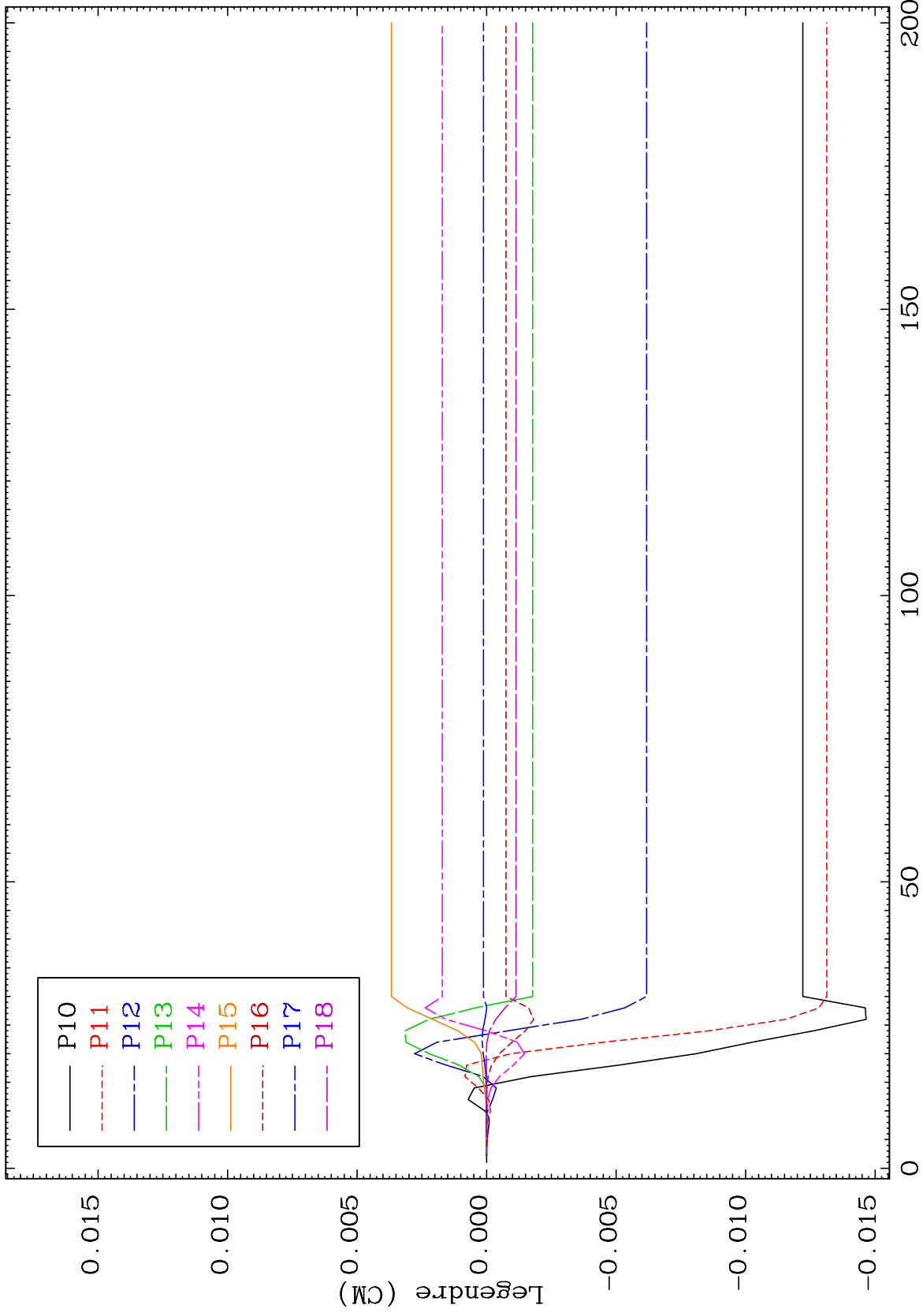
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



47

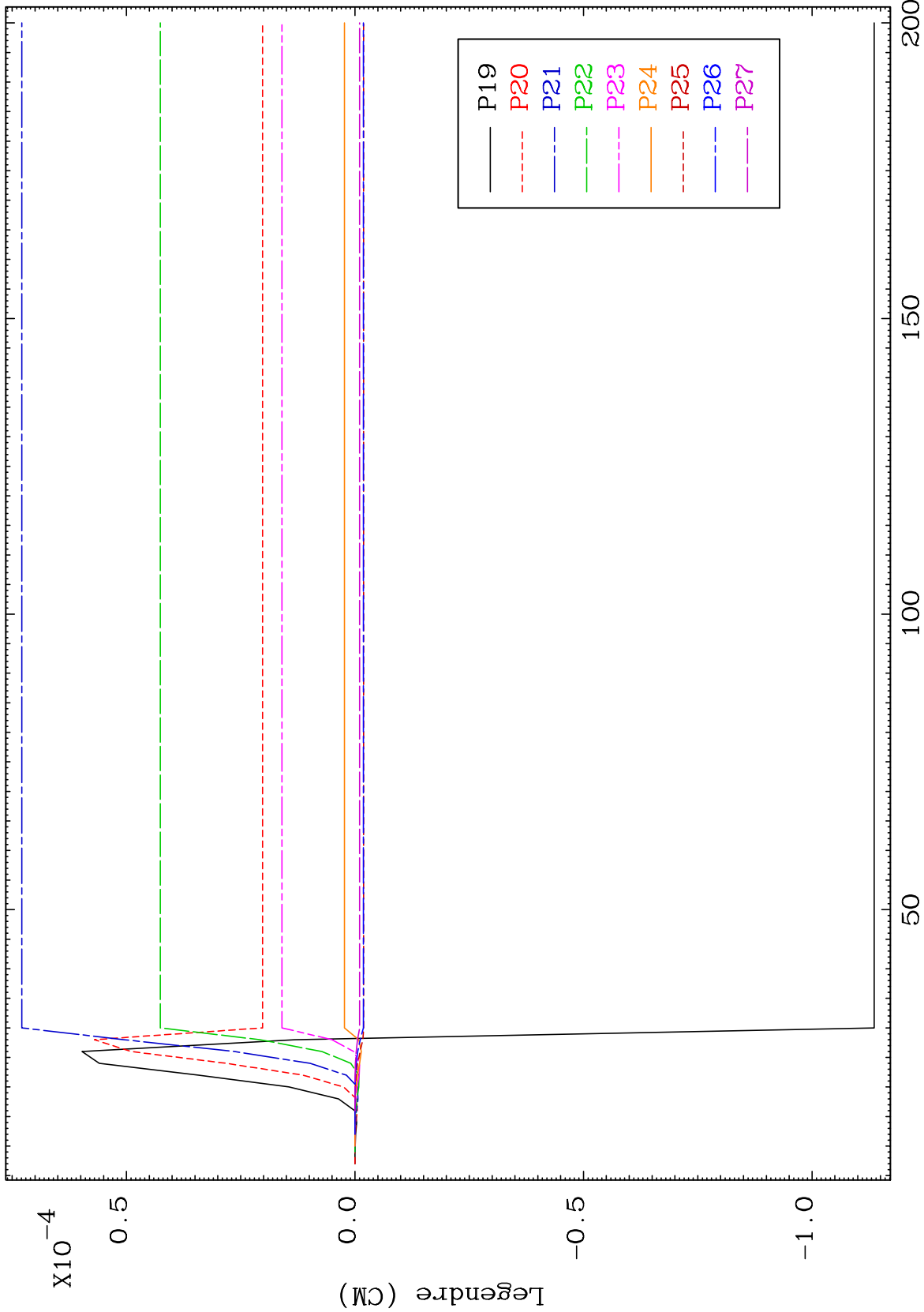
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

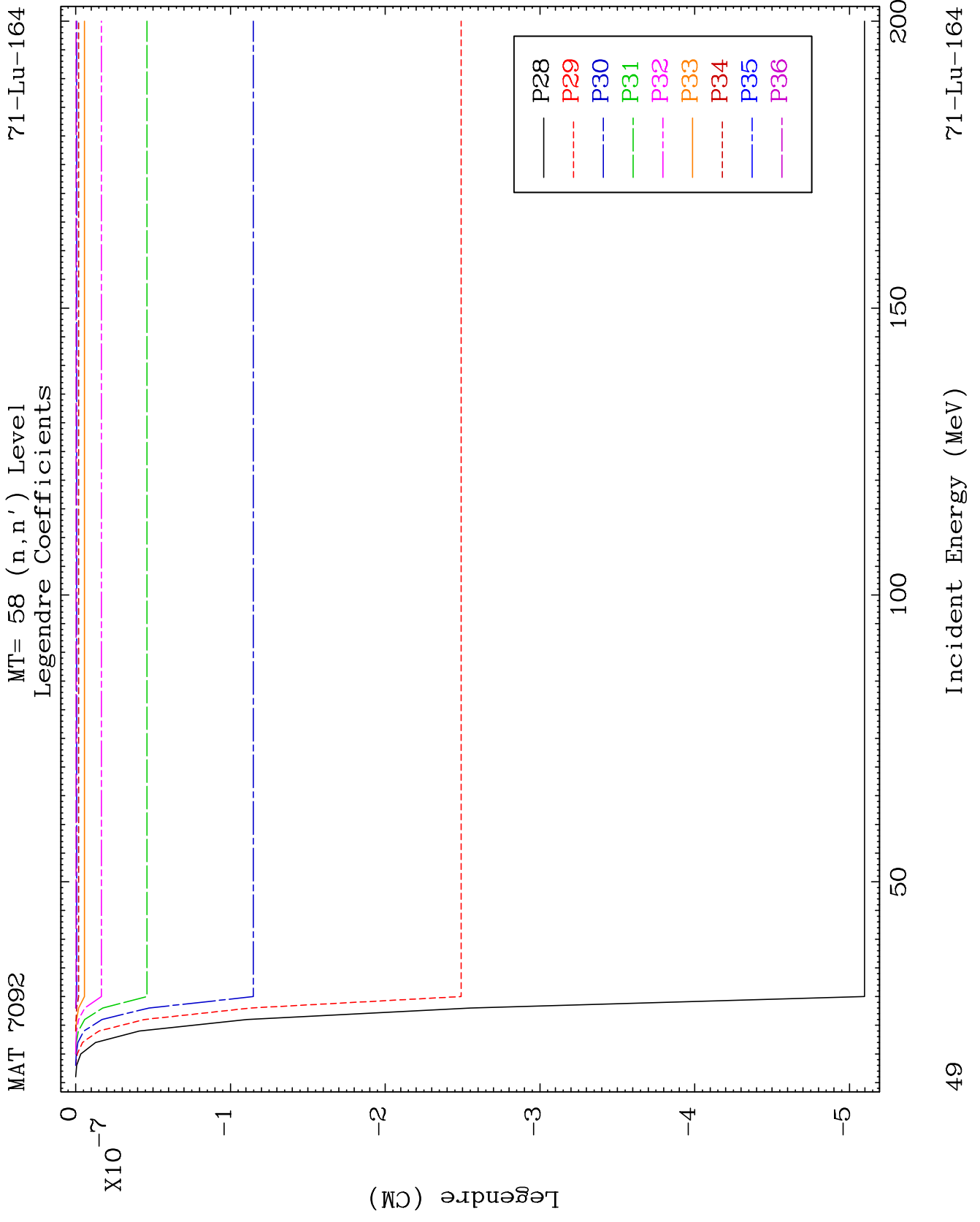
71-Lu-164



48

Incident Energy (MeV)

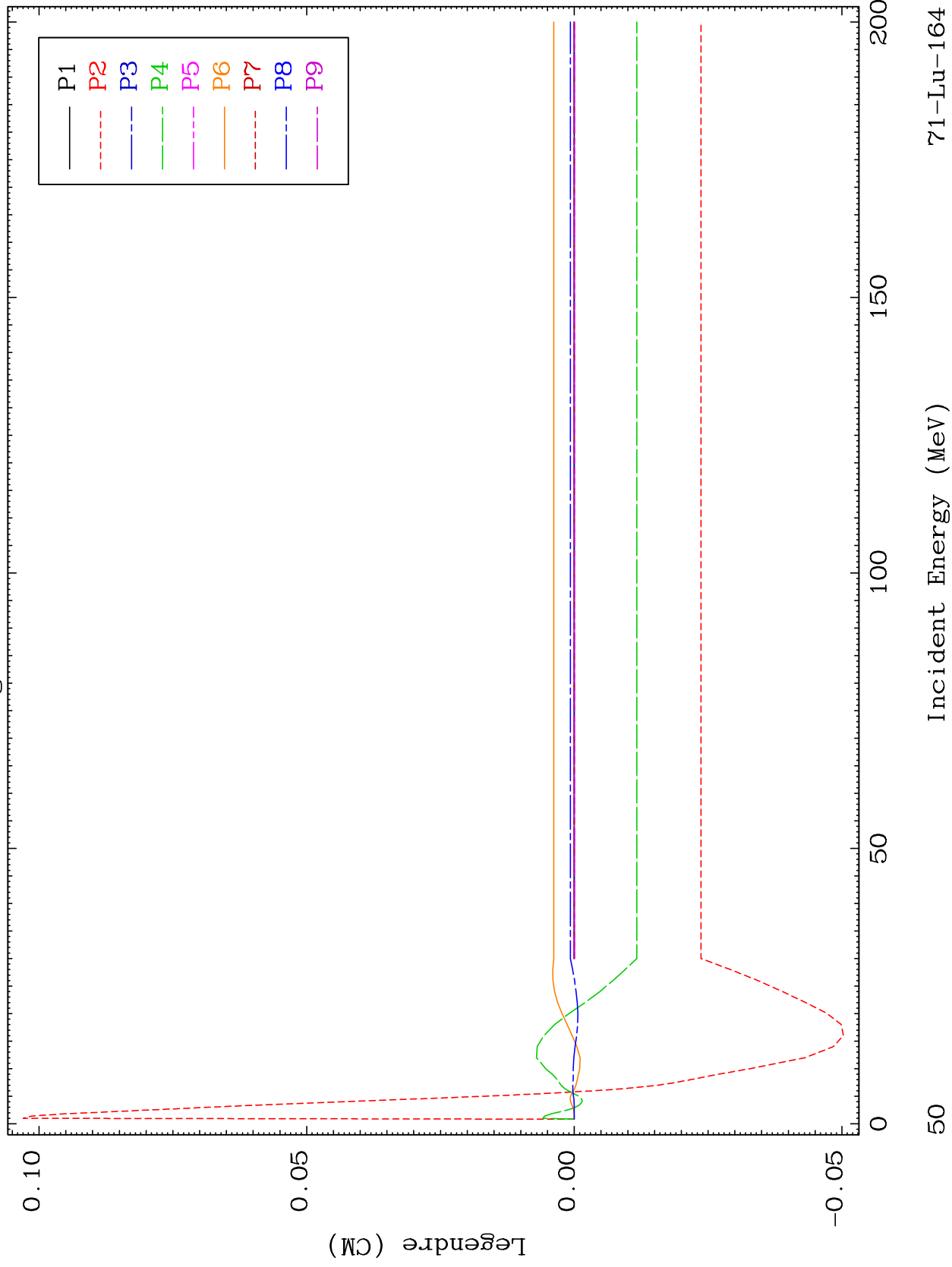
71-Lu-164



MAT 7092

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

71-Lu-164



71-Lu-164

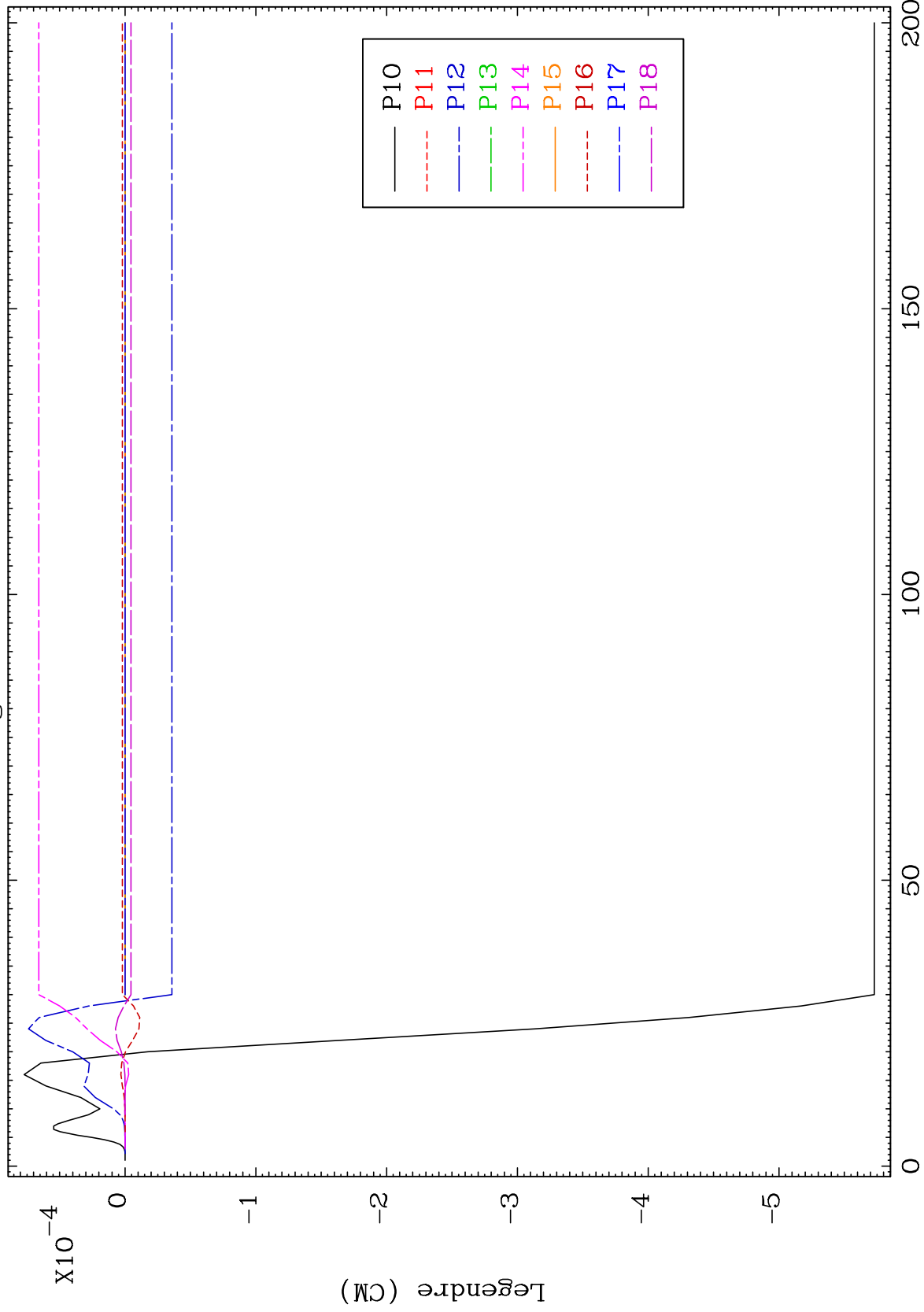
Incident Energy (MeV)

50

MAT 7092

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

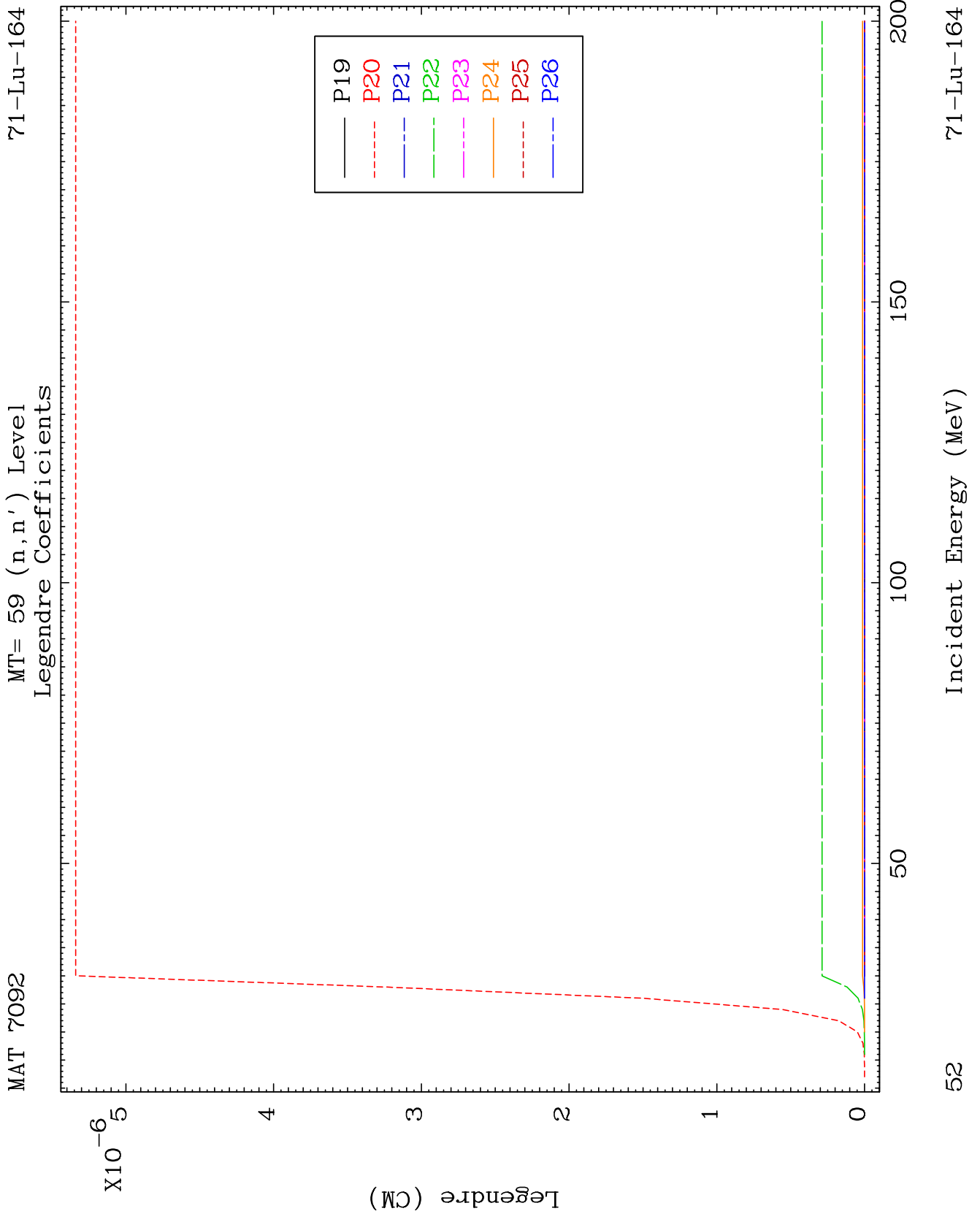
71-Lu-164



51

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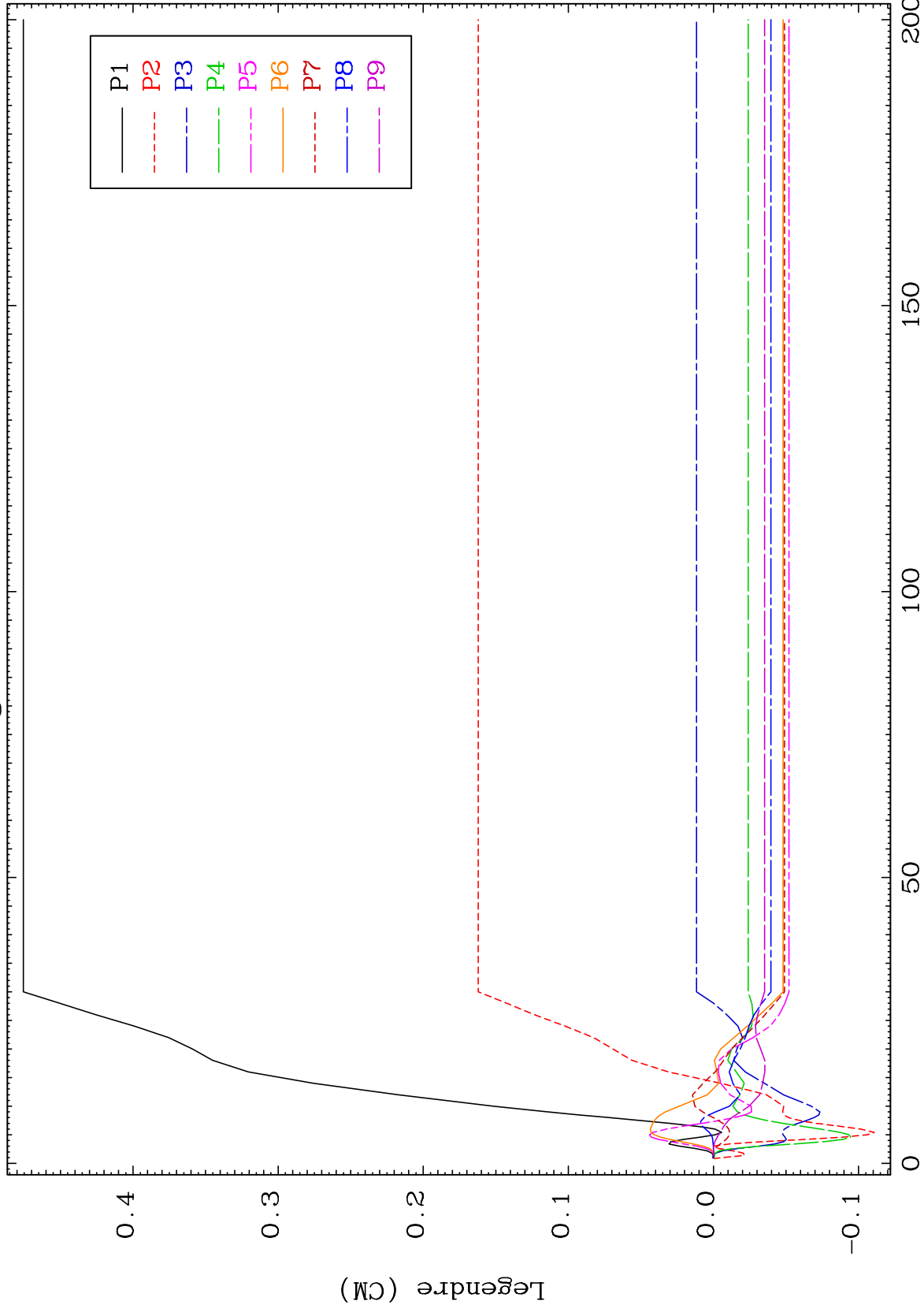
71-Lu-164



MAT 7092

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

71-Lu-164



53

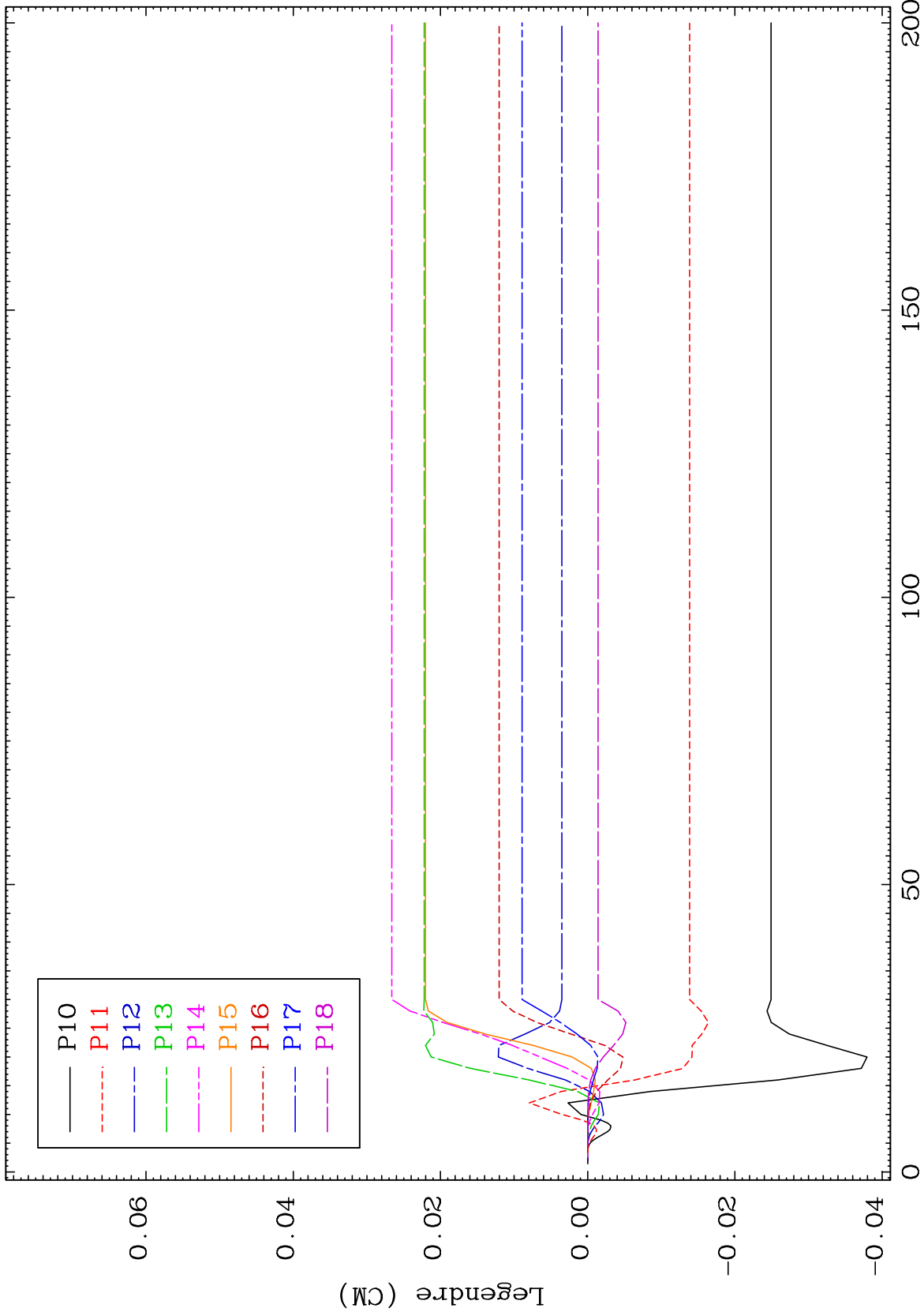
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



54

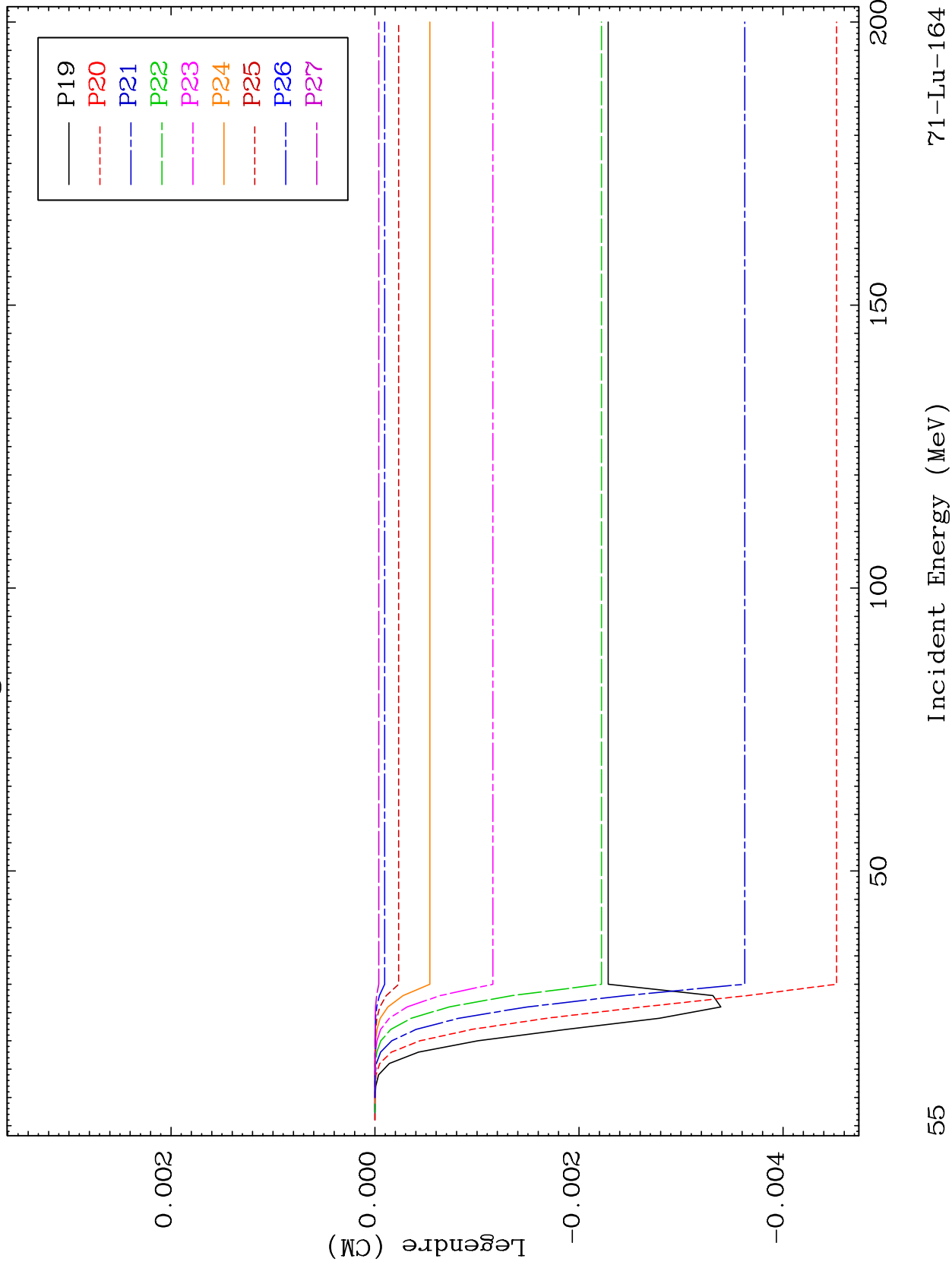
Incident Energy (MeV)

71-Lu-164

MAT 7092

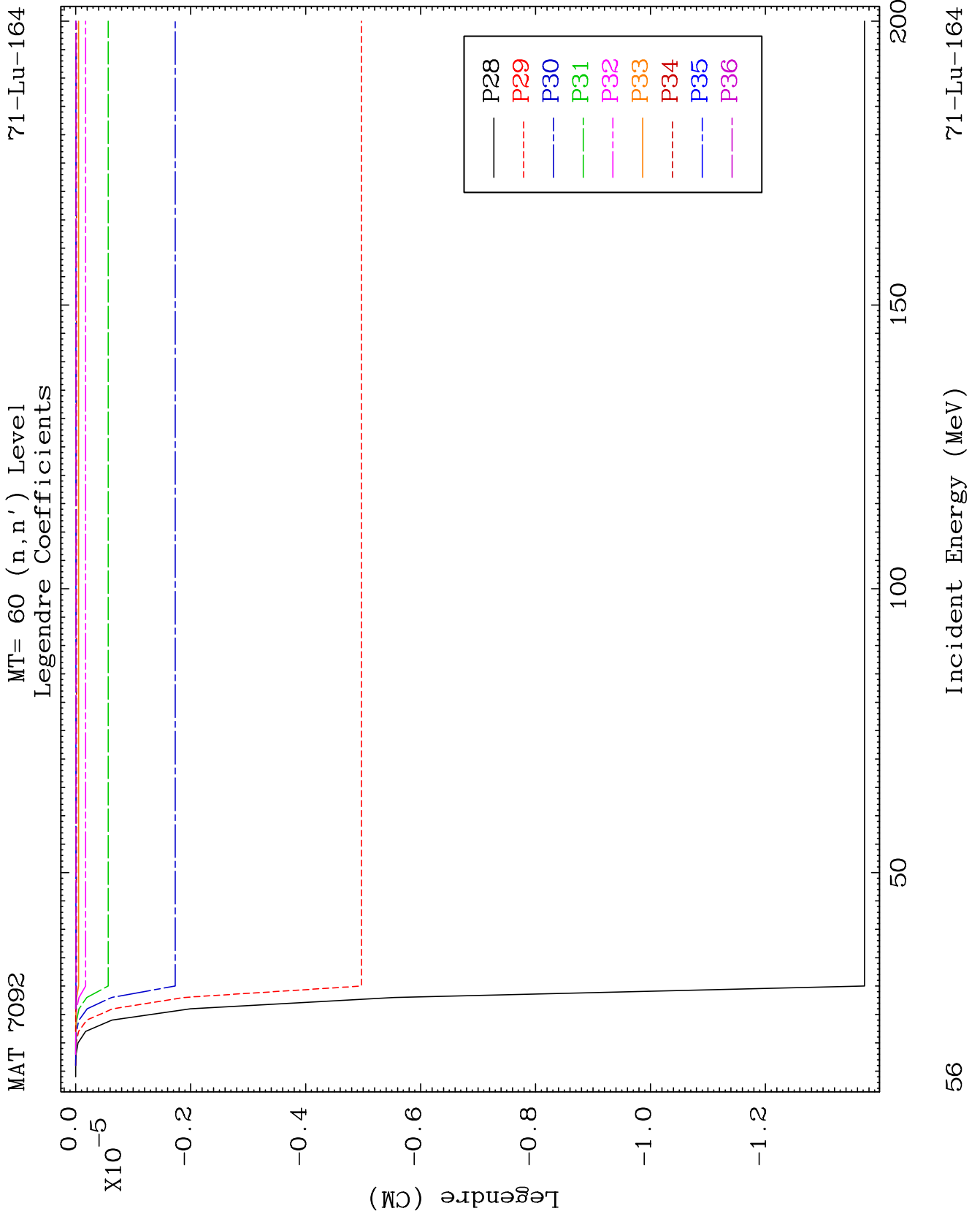
MT= 60 (n,n') Level
Legendre Coefficients

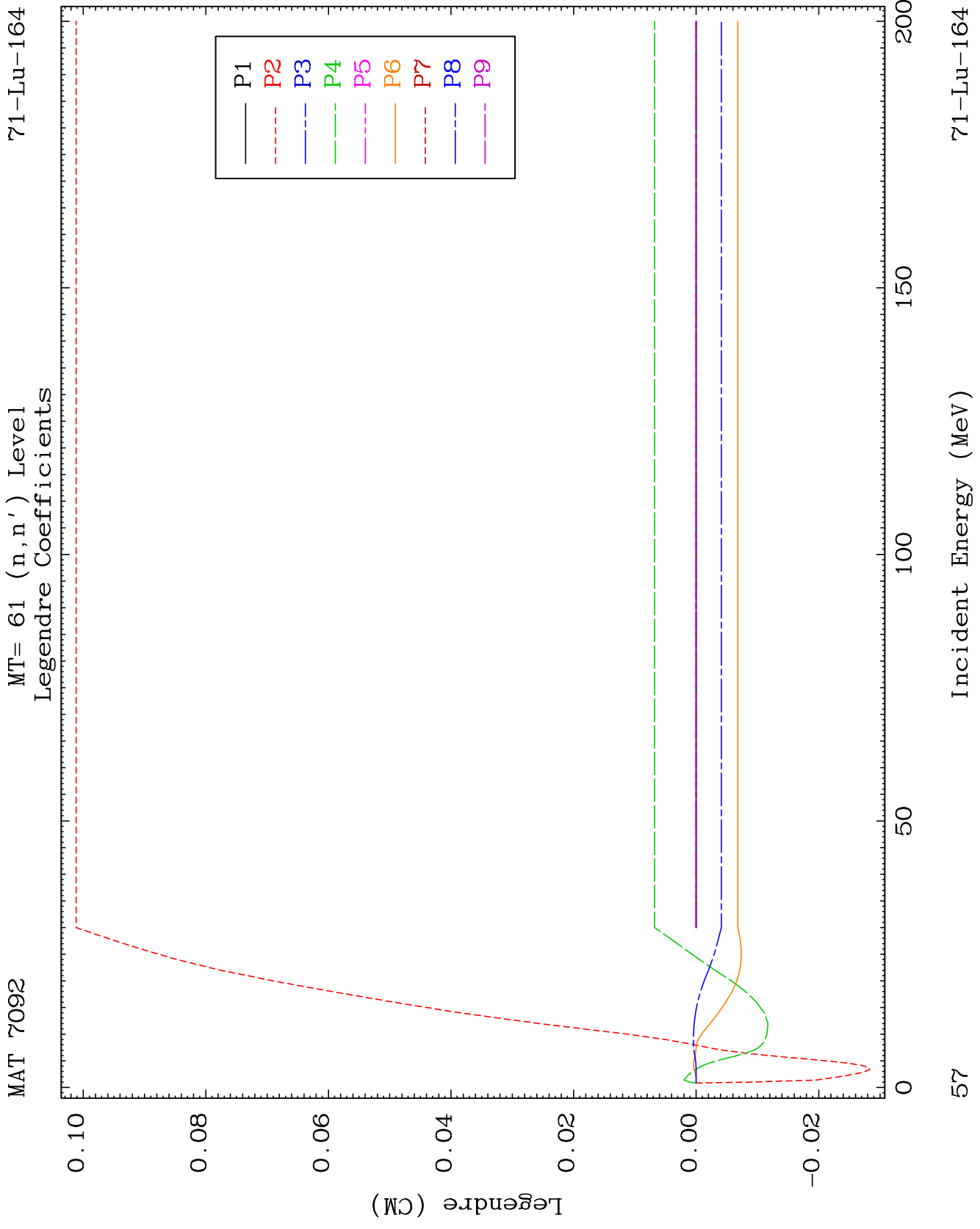
71-Lu-164



55

71-Lu-164

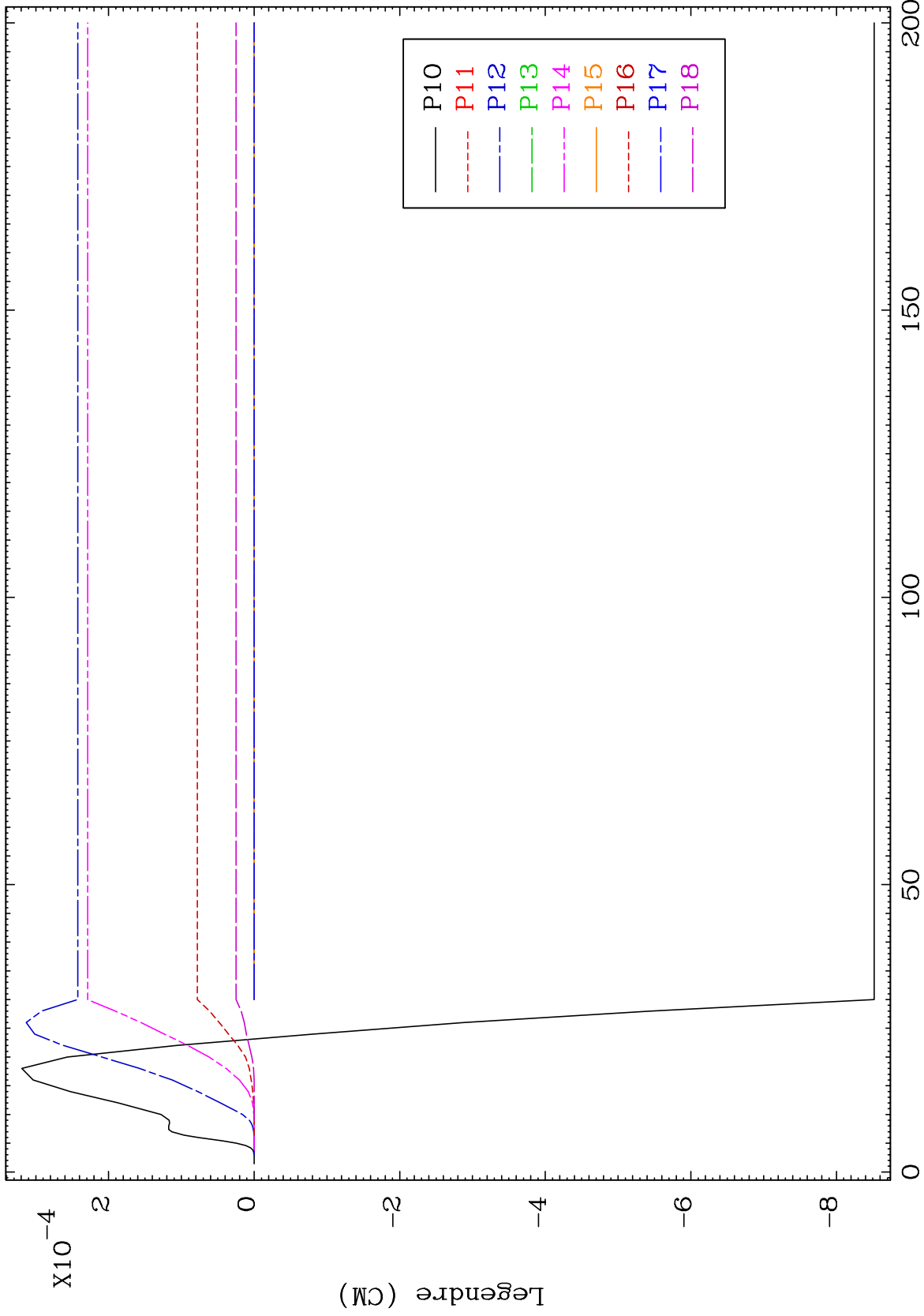




MAT 7092

MT= 61 (n,n') Level
Legendre Coefficients

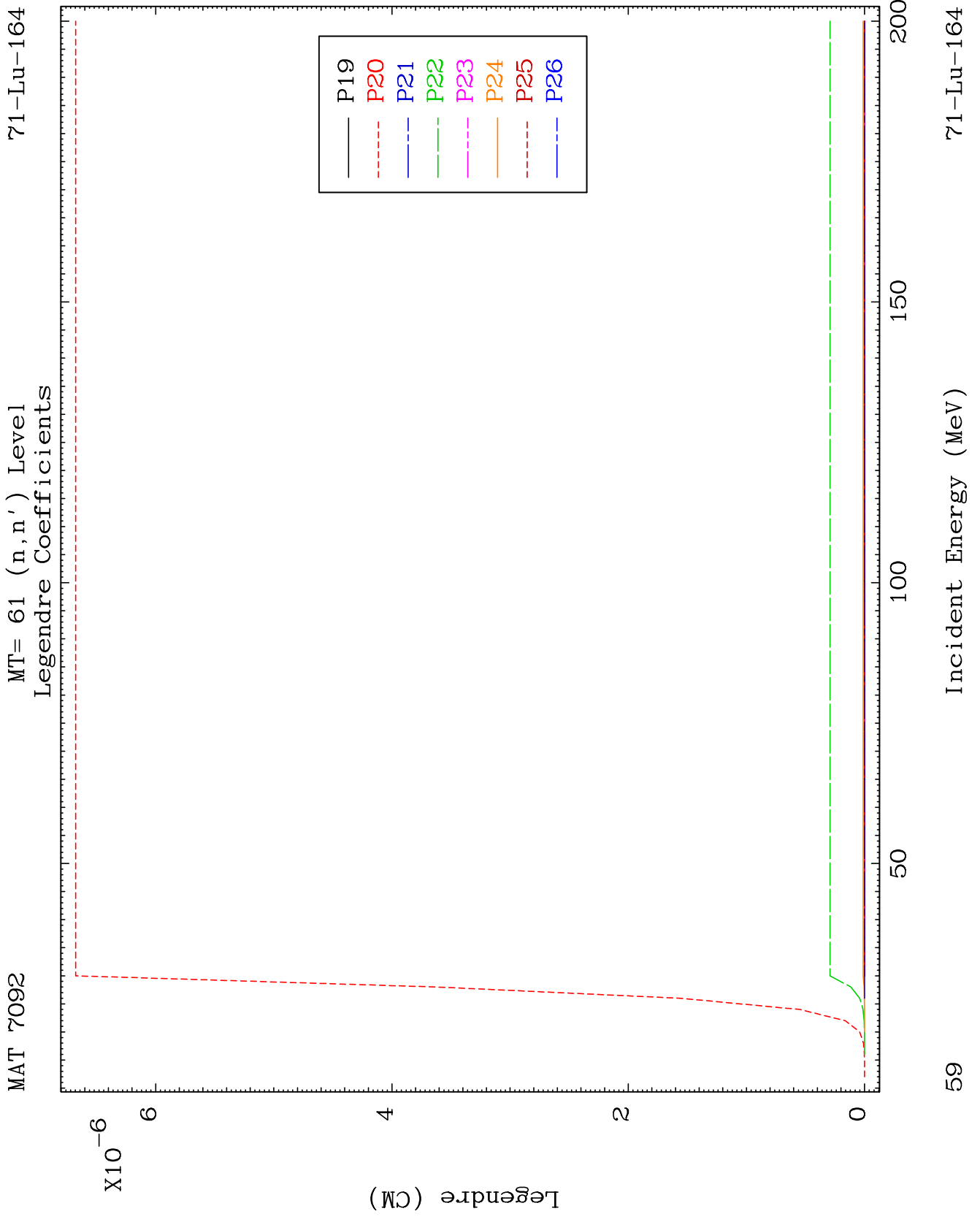
71-Lu-164



58

Incident Energy (MeV)

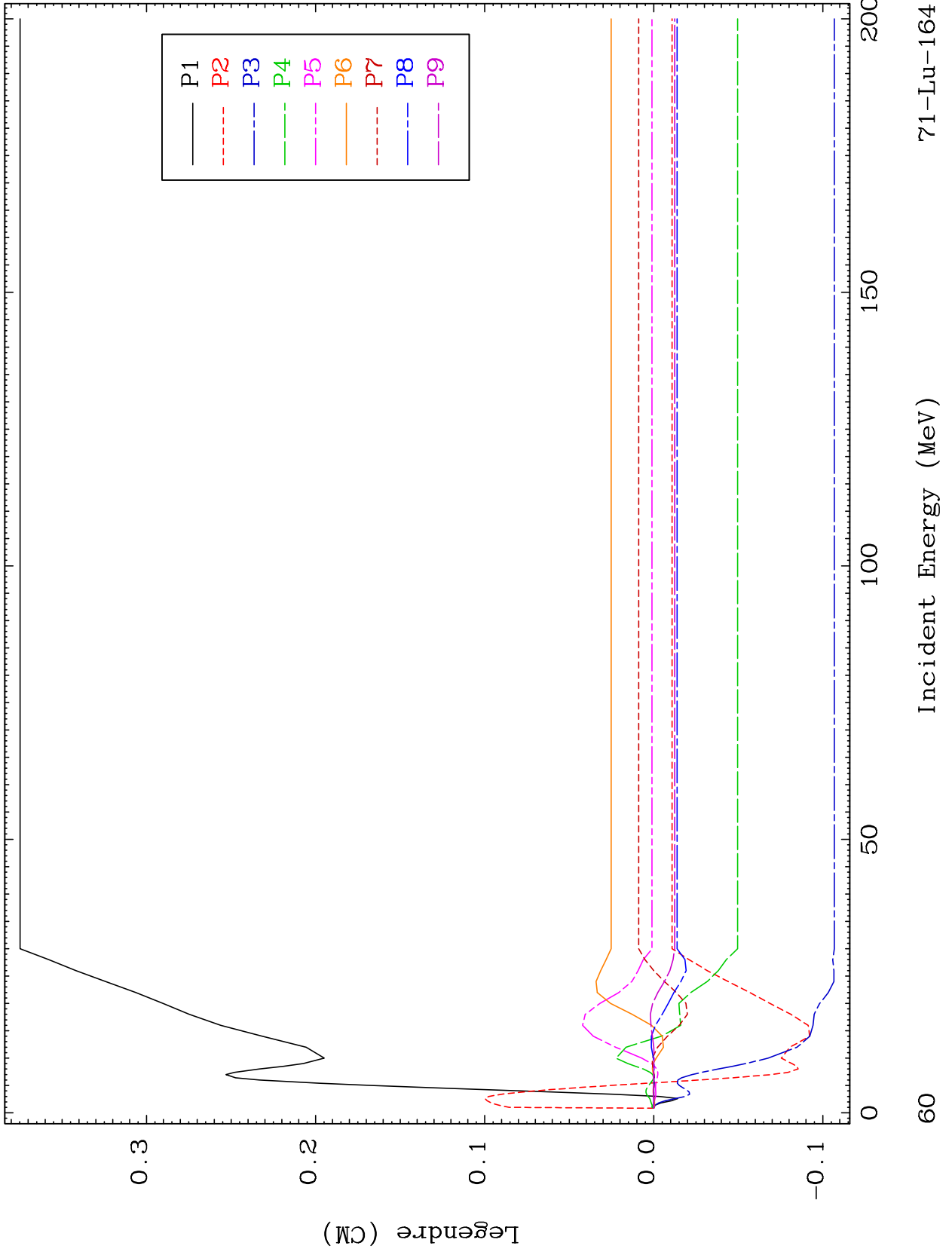
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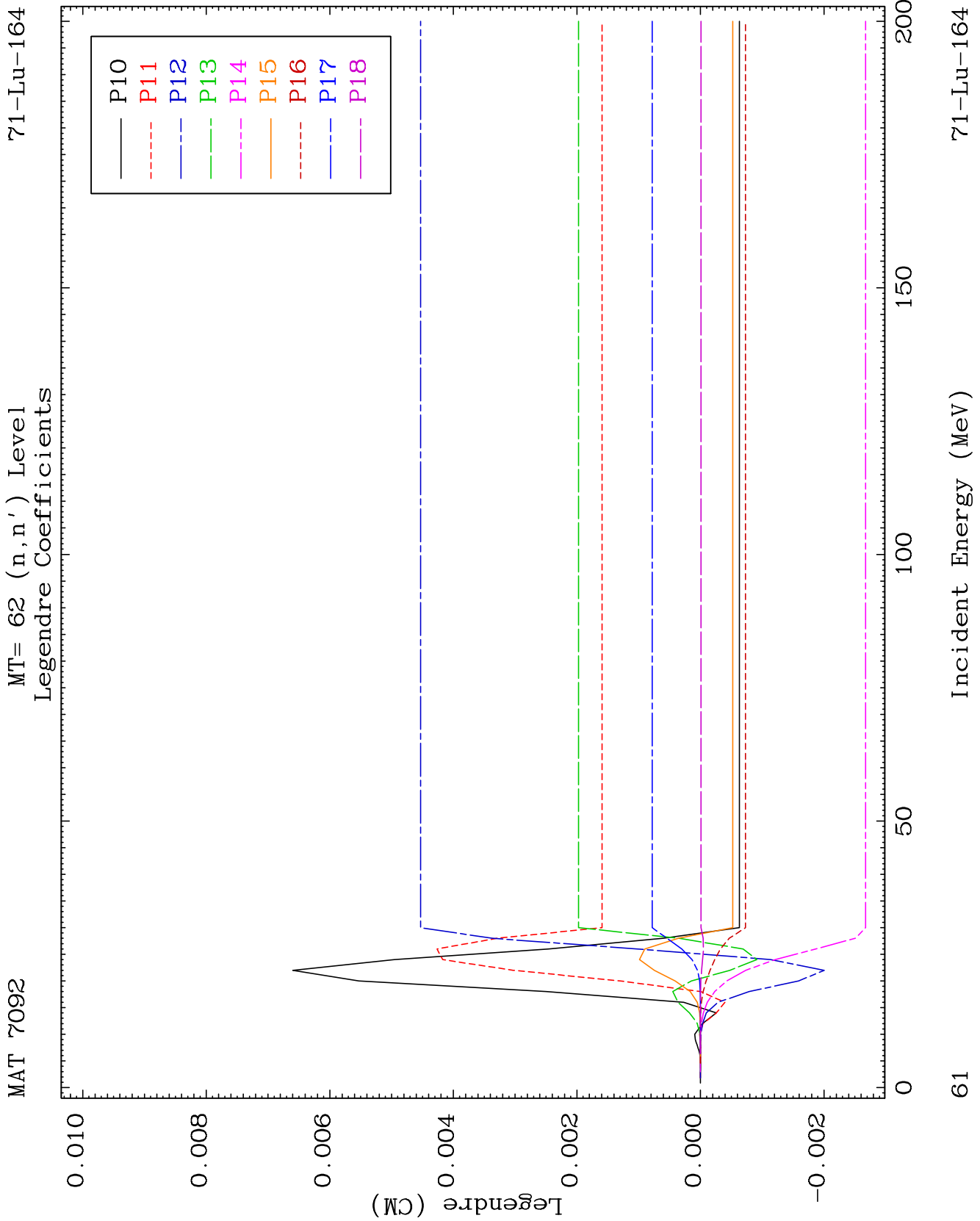


MAT 7092

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

71-Lu-164

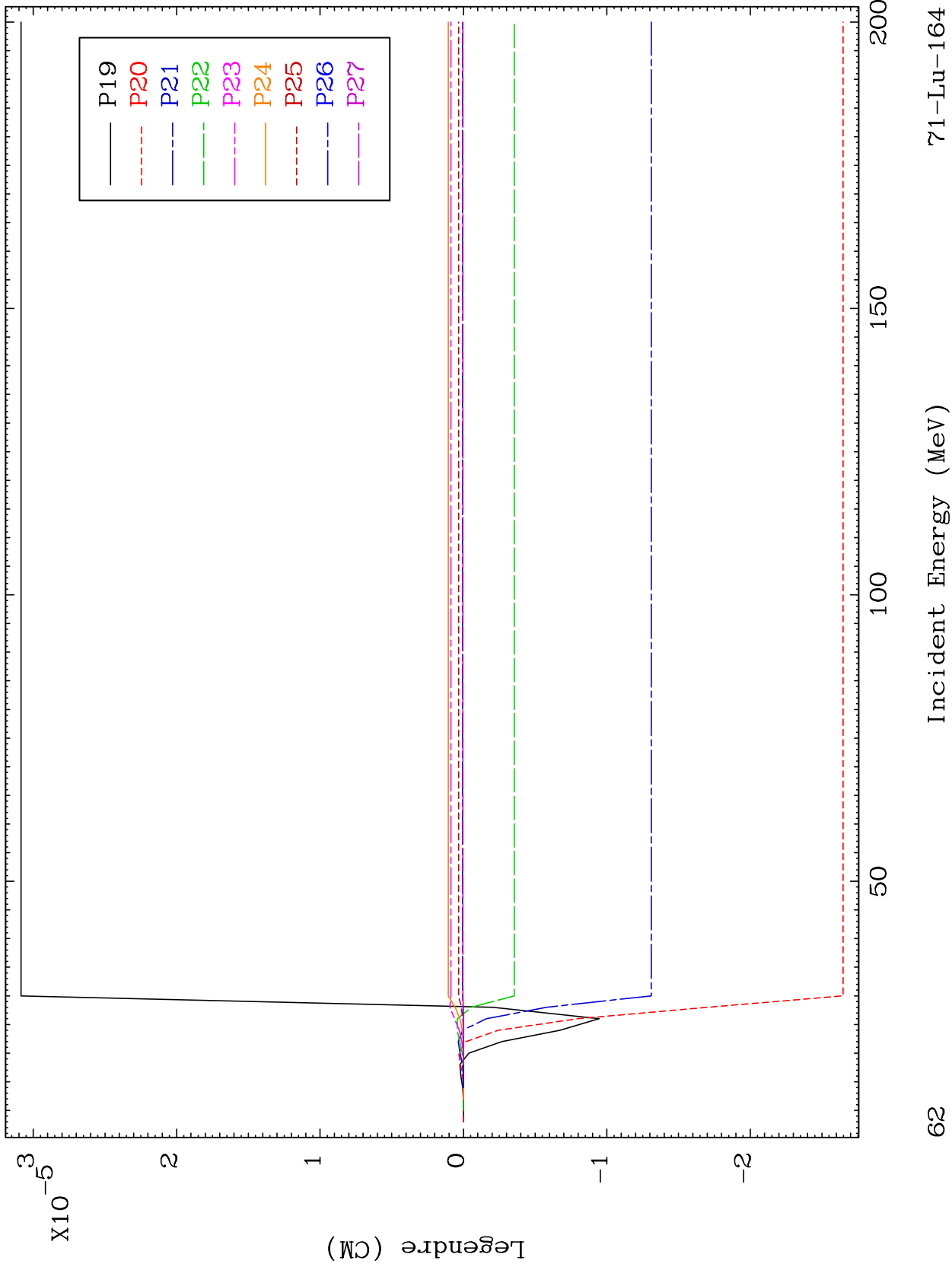




MAT 7092

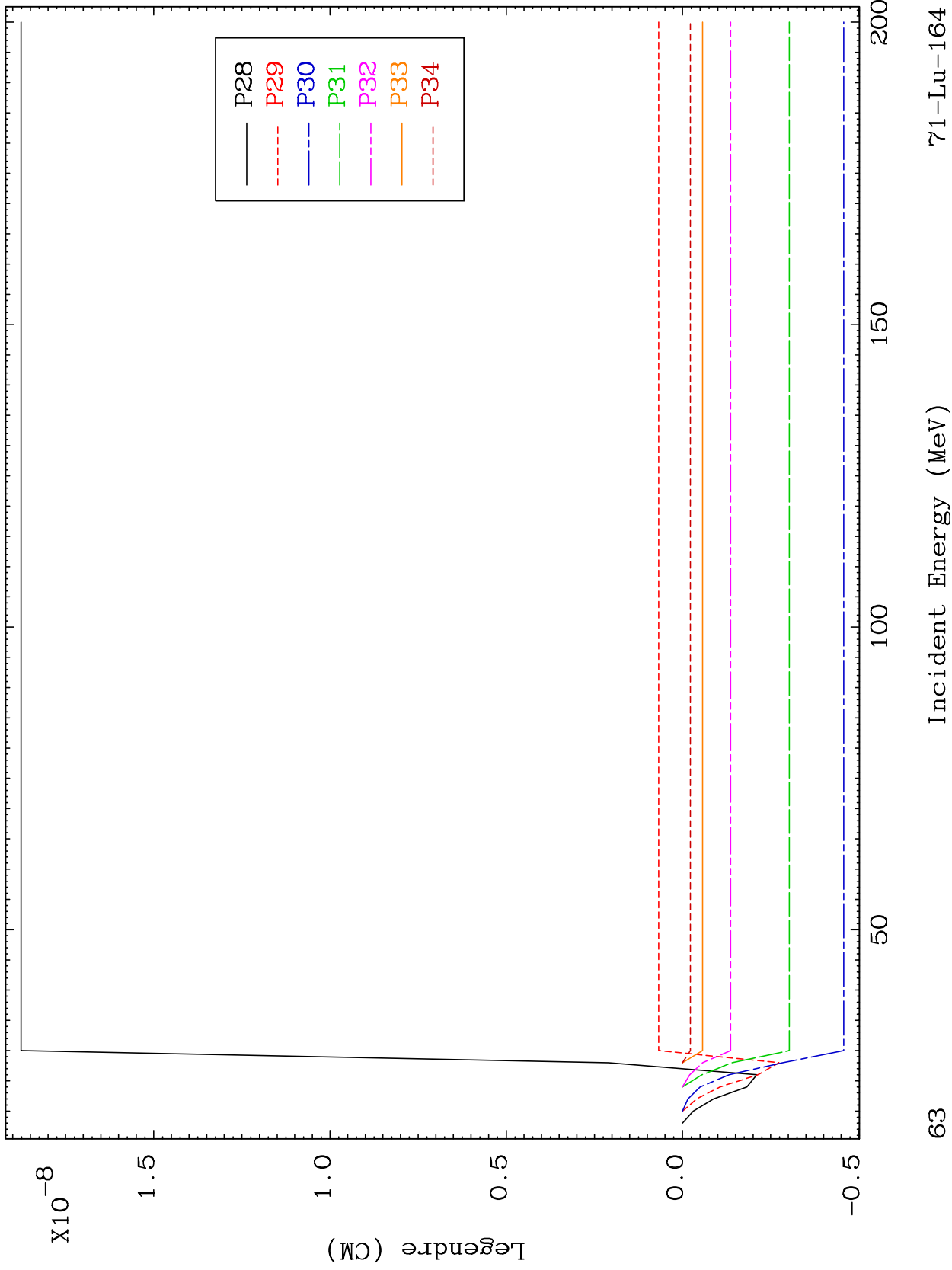
MT= 62 (n,n') Level
Legendre Coefficients

71-Lu-164



62

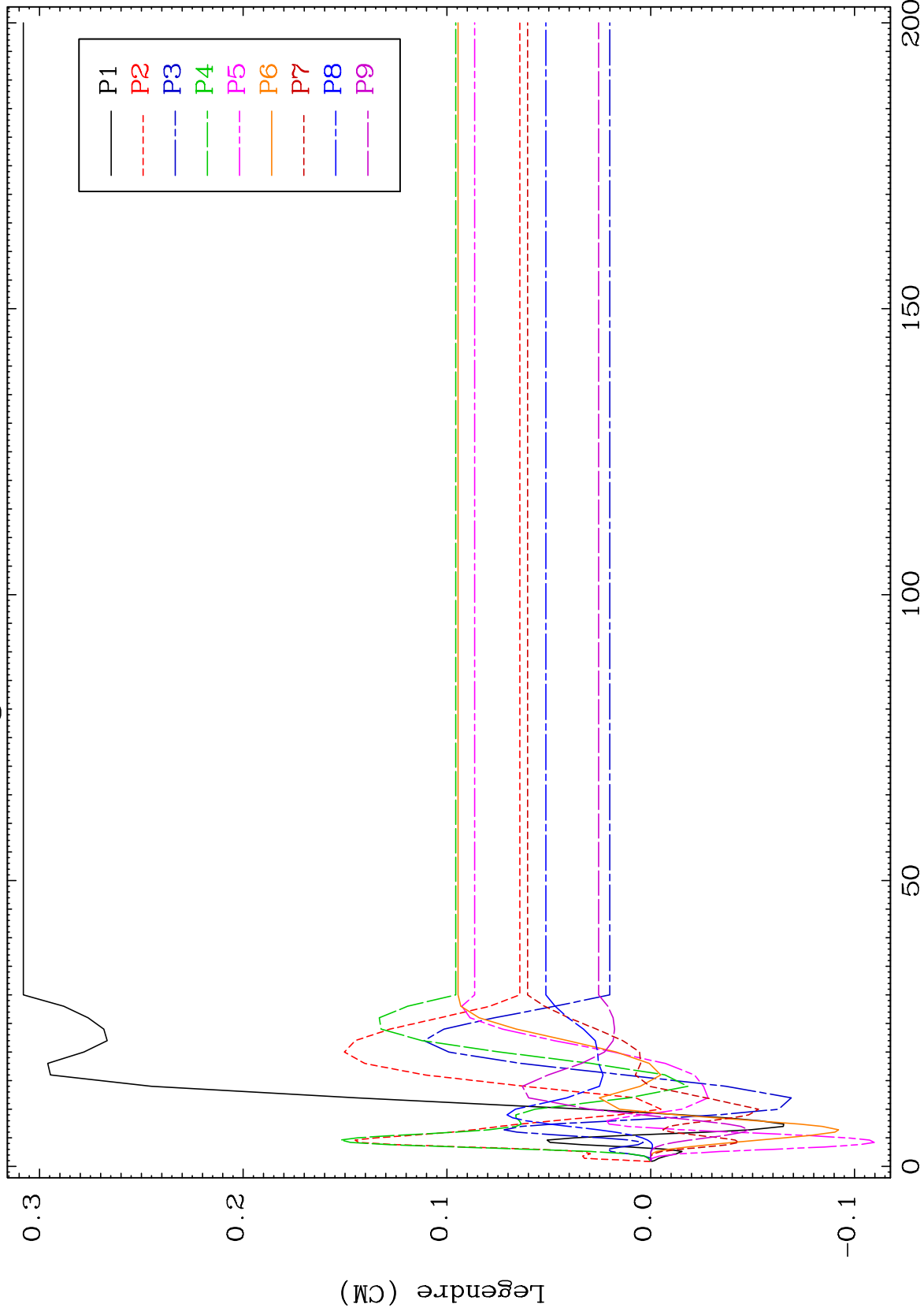
71-Lu-164



MAT 7092

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

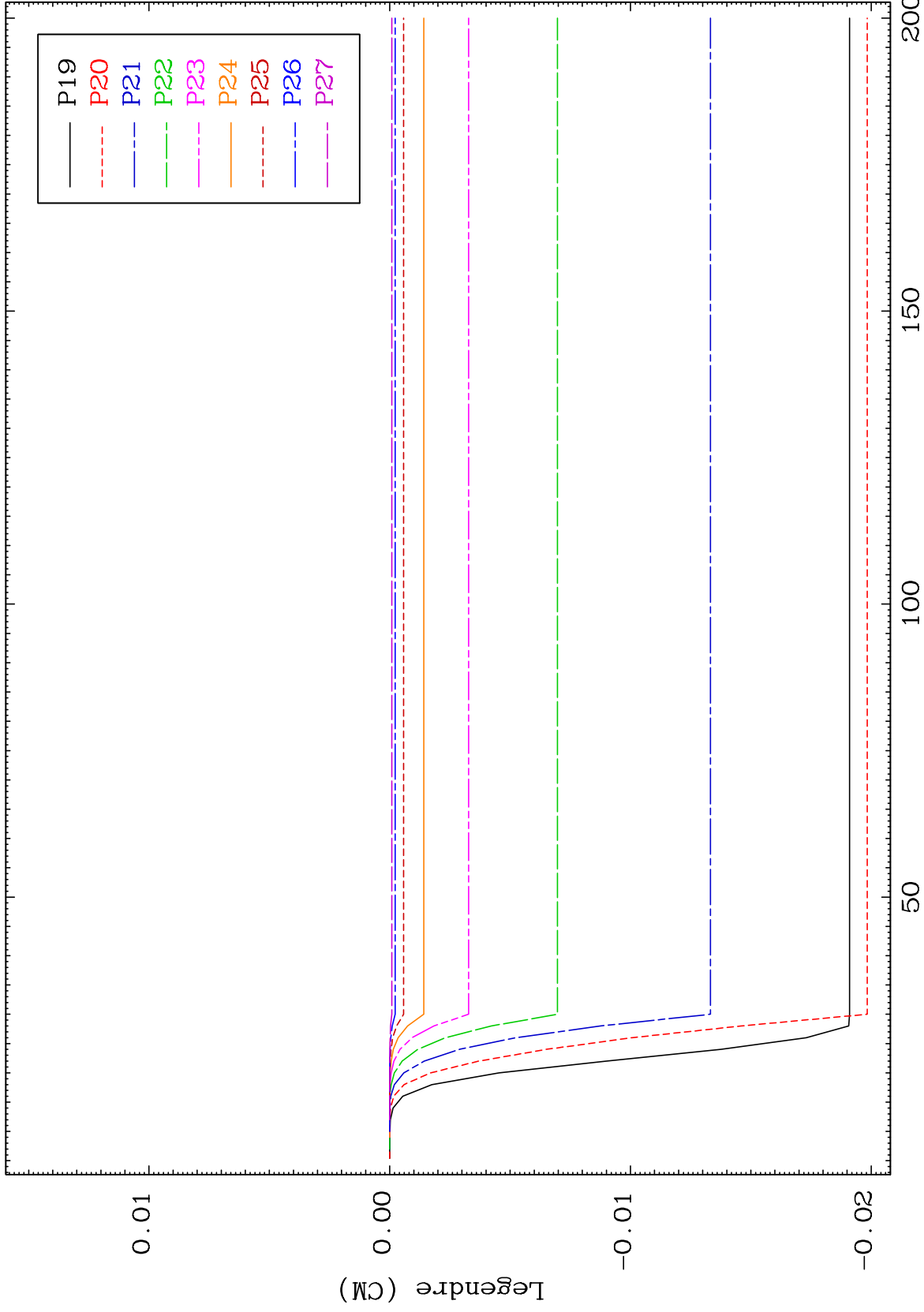
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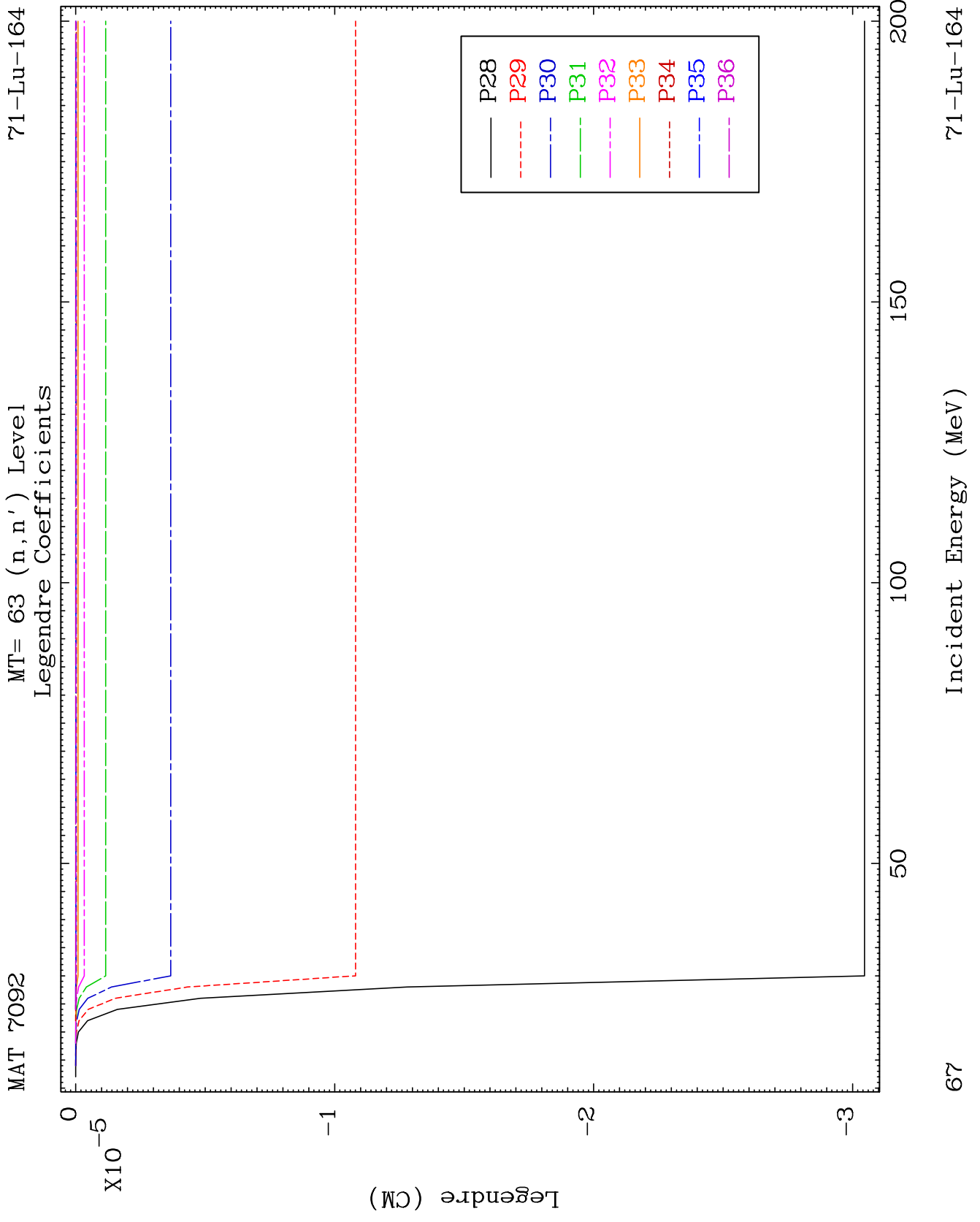


64

Incident Energy (MeV)

71-Lu-164

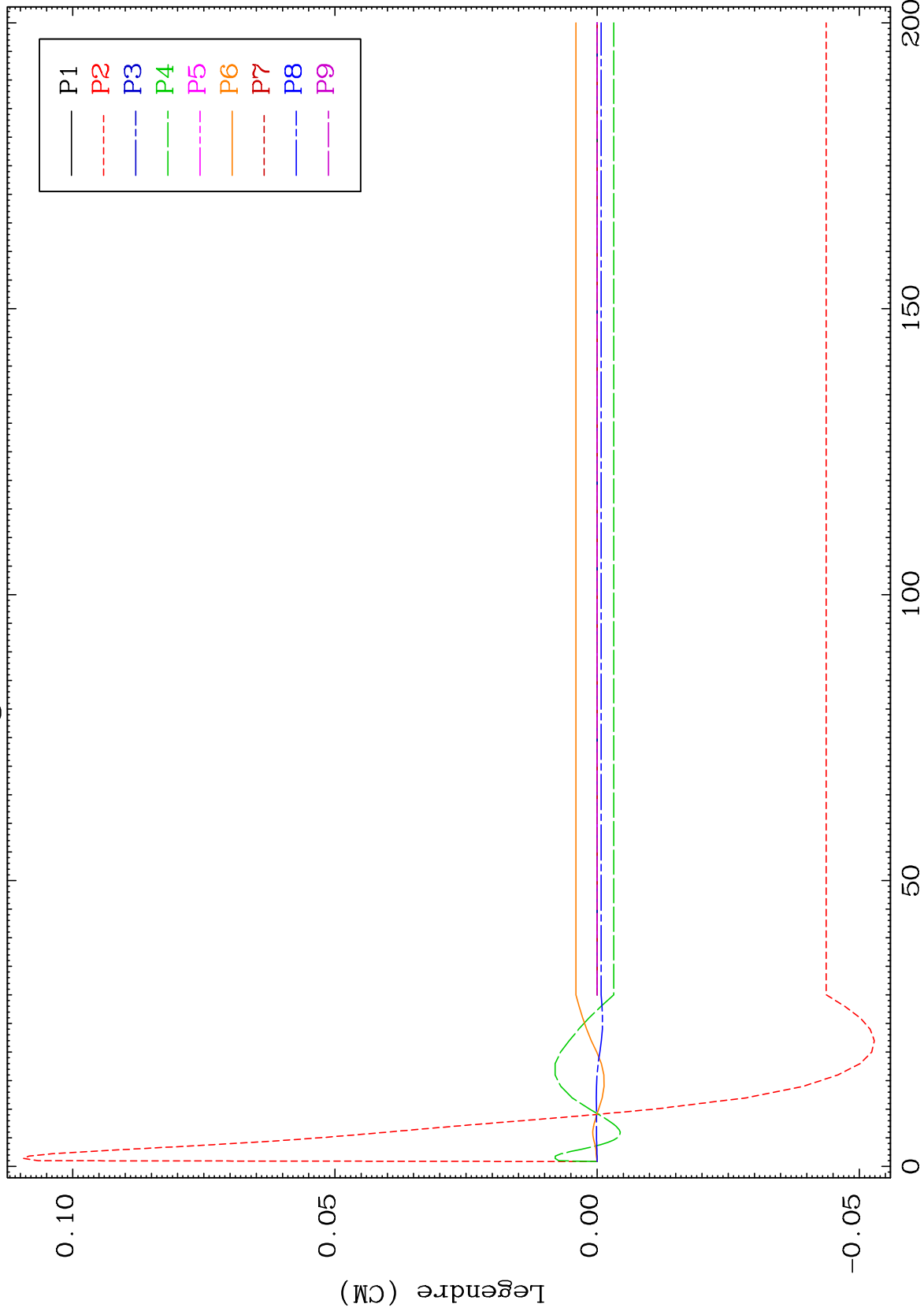




MAT 7092

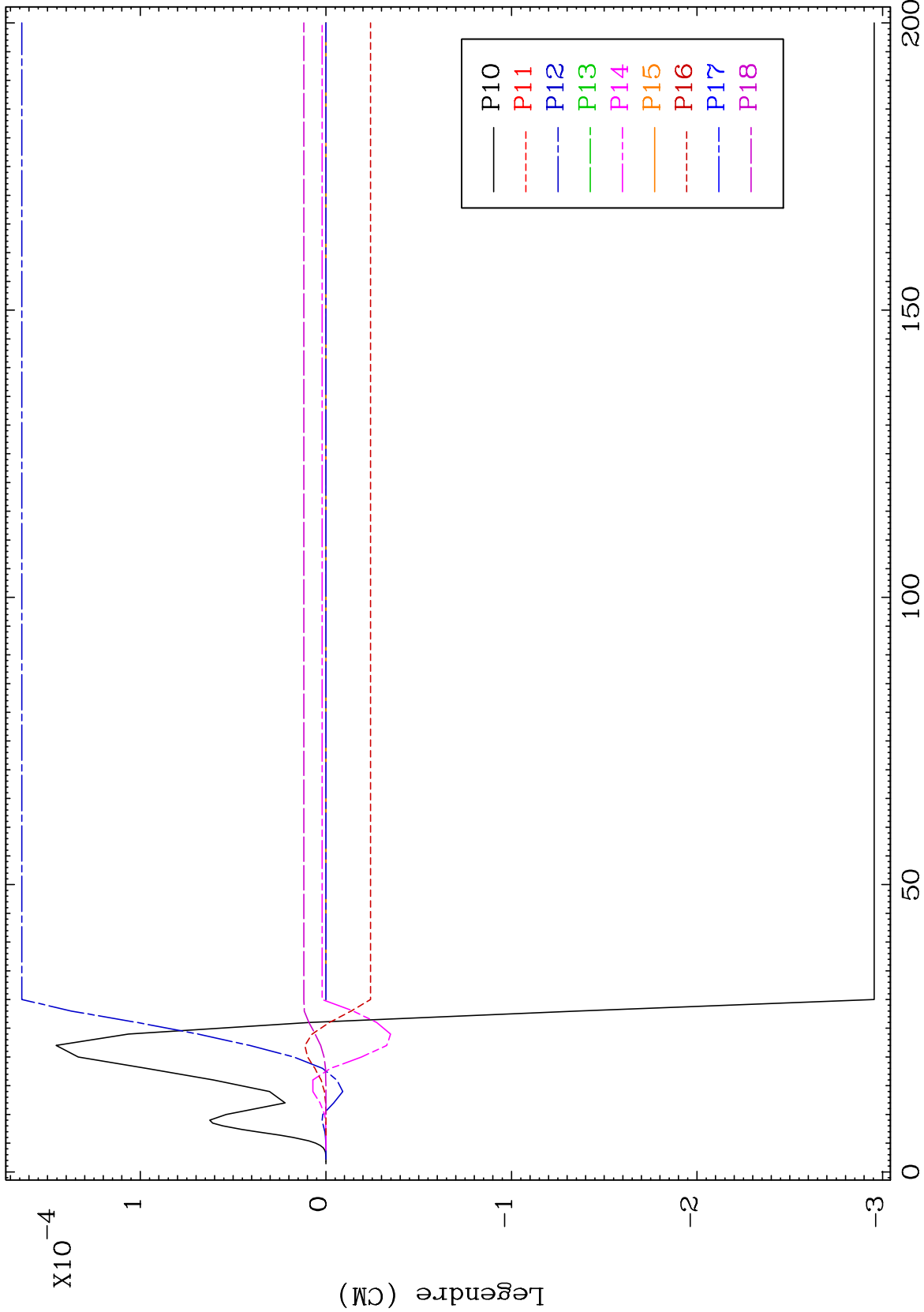
MT= 64 (n,n') Level
Legendre Coefficients

71-Lu-164



68

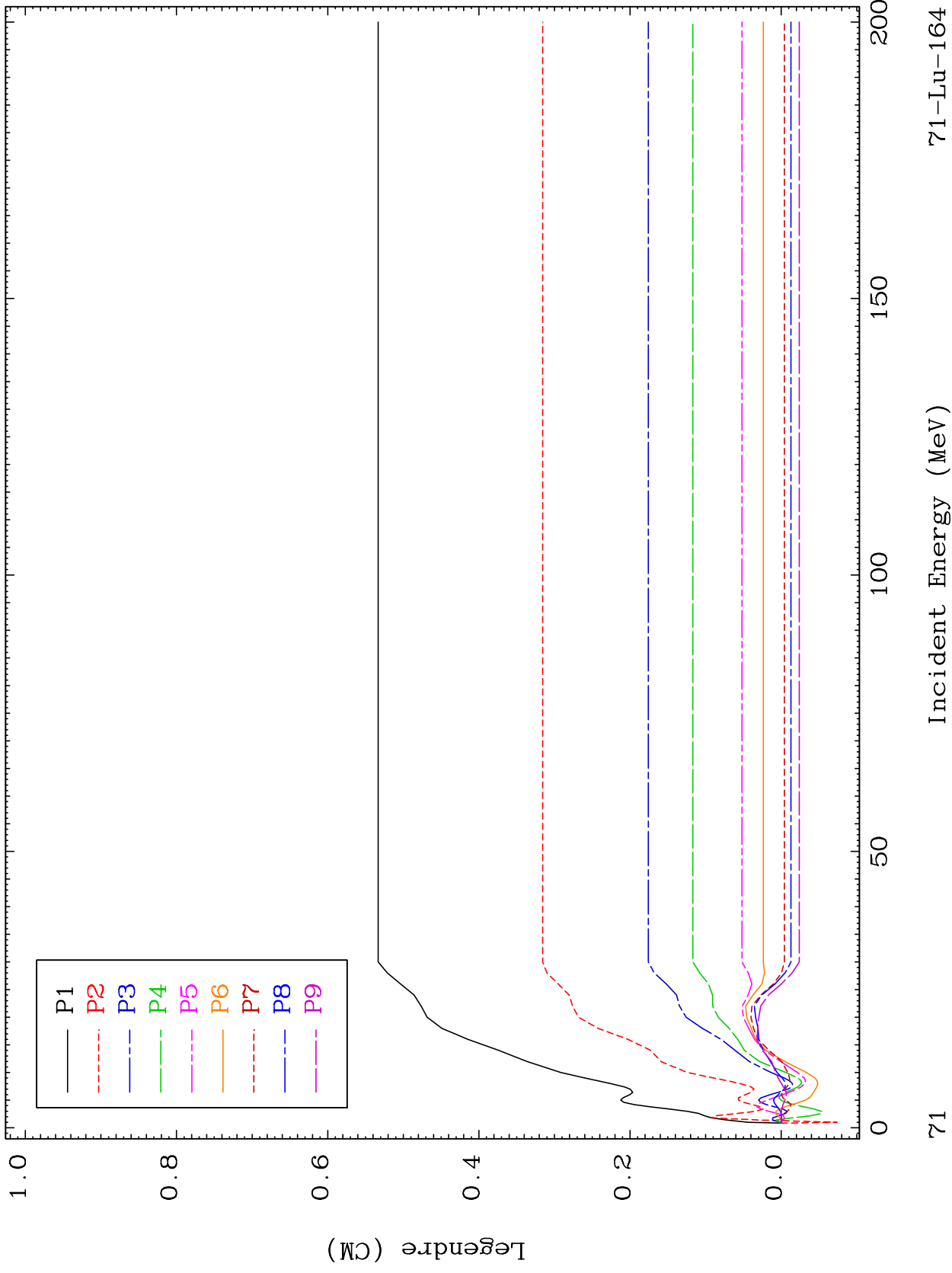
71-Lu-164



MAT 7092

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

71-Lu-164



71-Lu-164

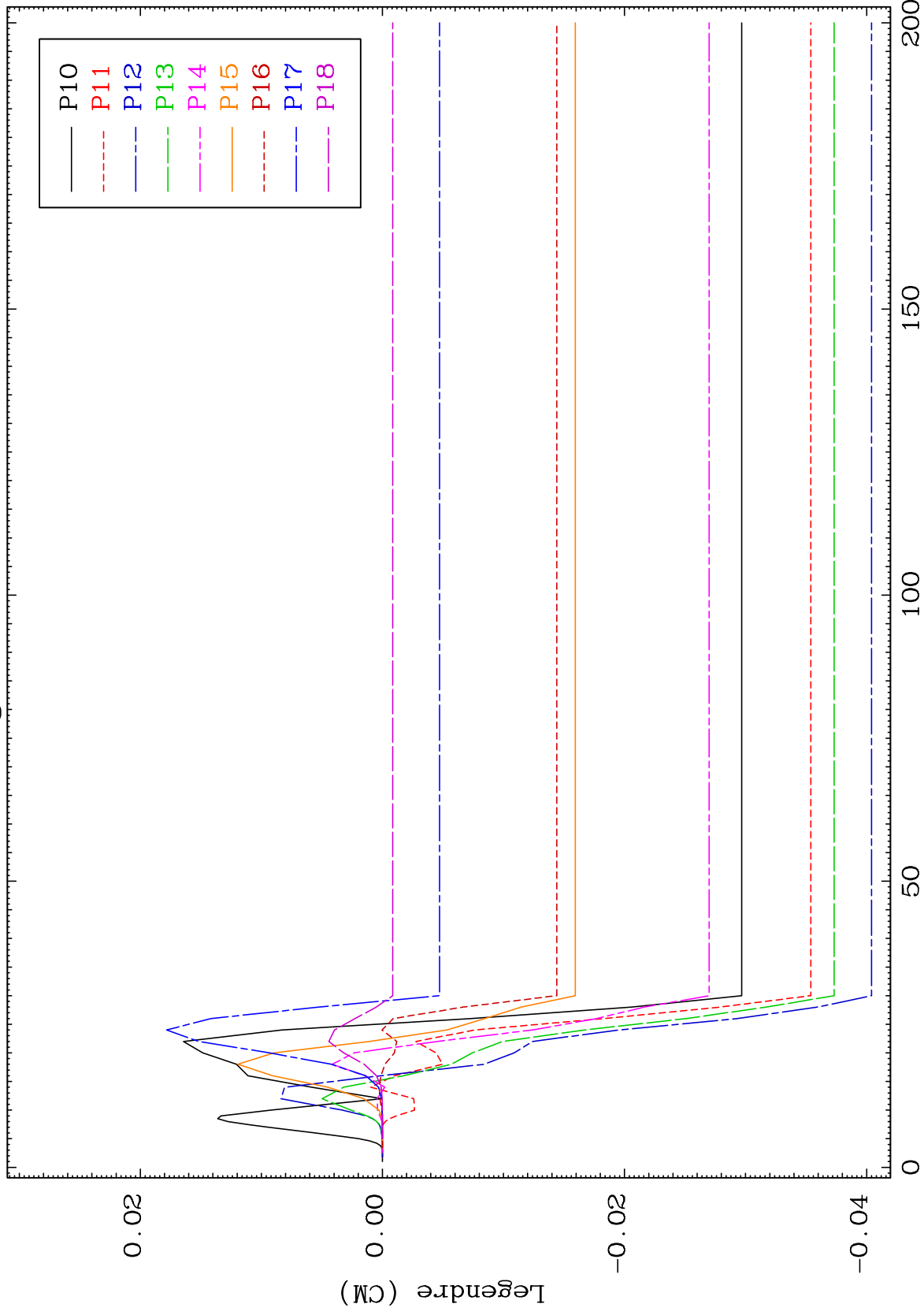
Incident Energy (MeV)

71

MAT 7092

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

71-Lu-164



72

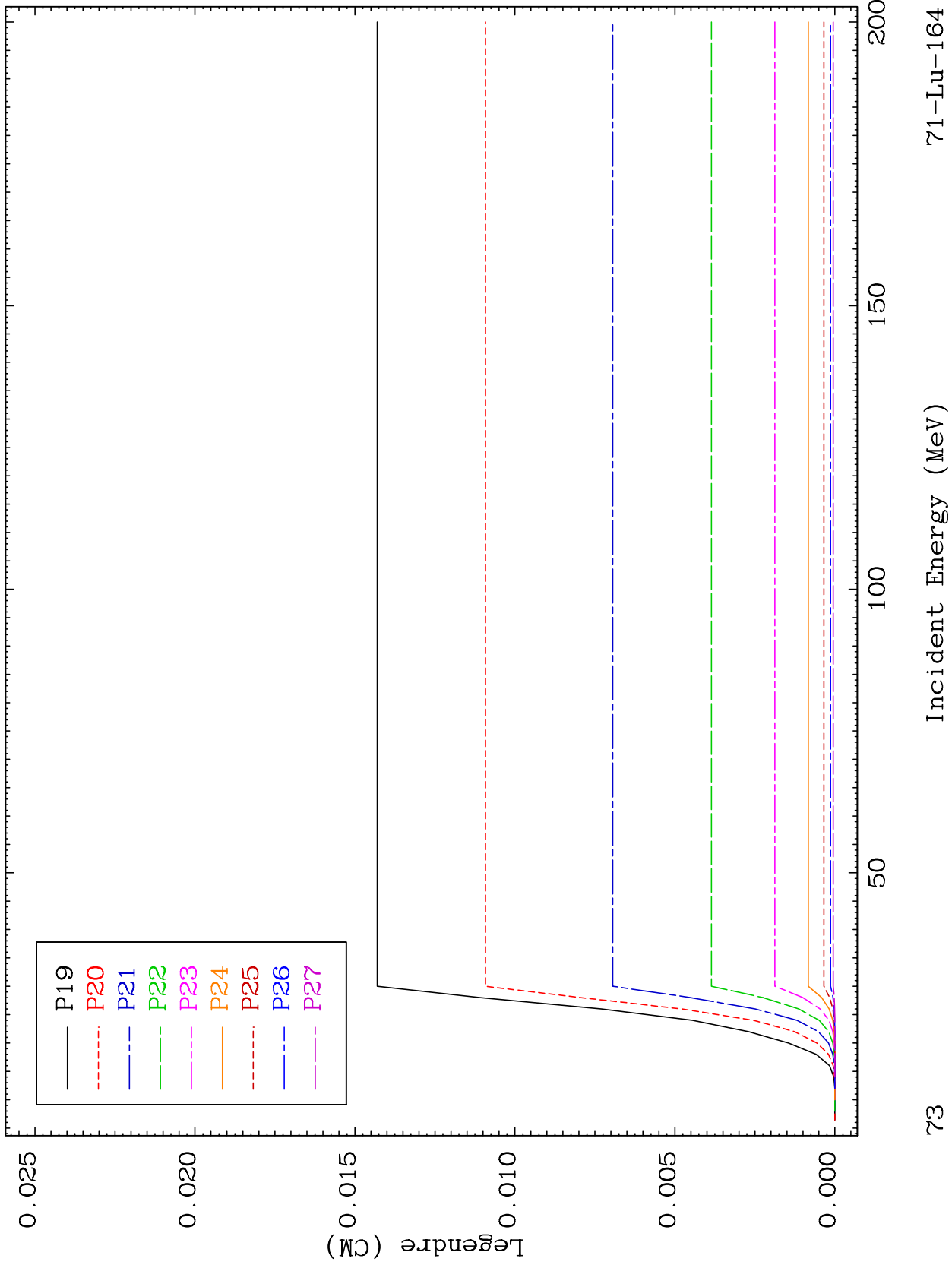
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



73

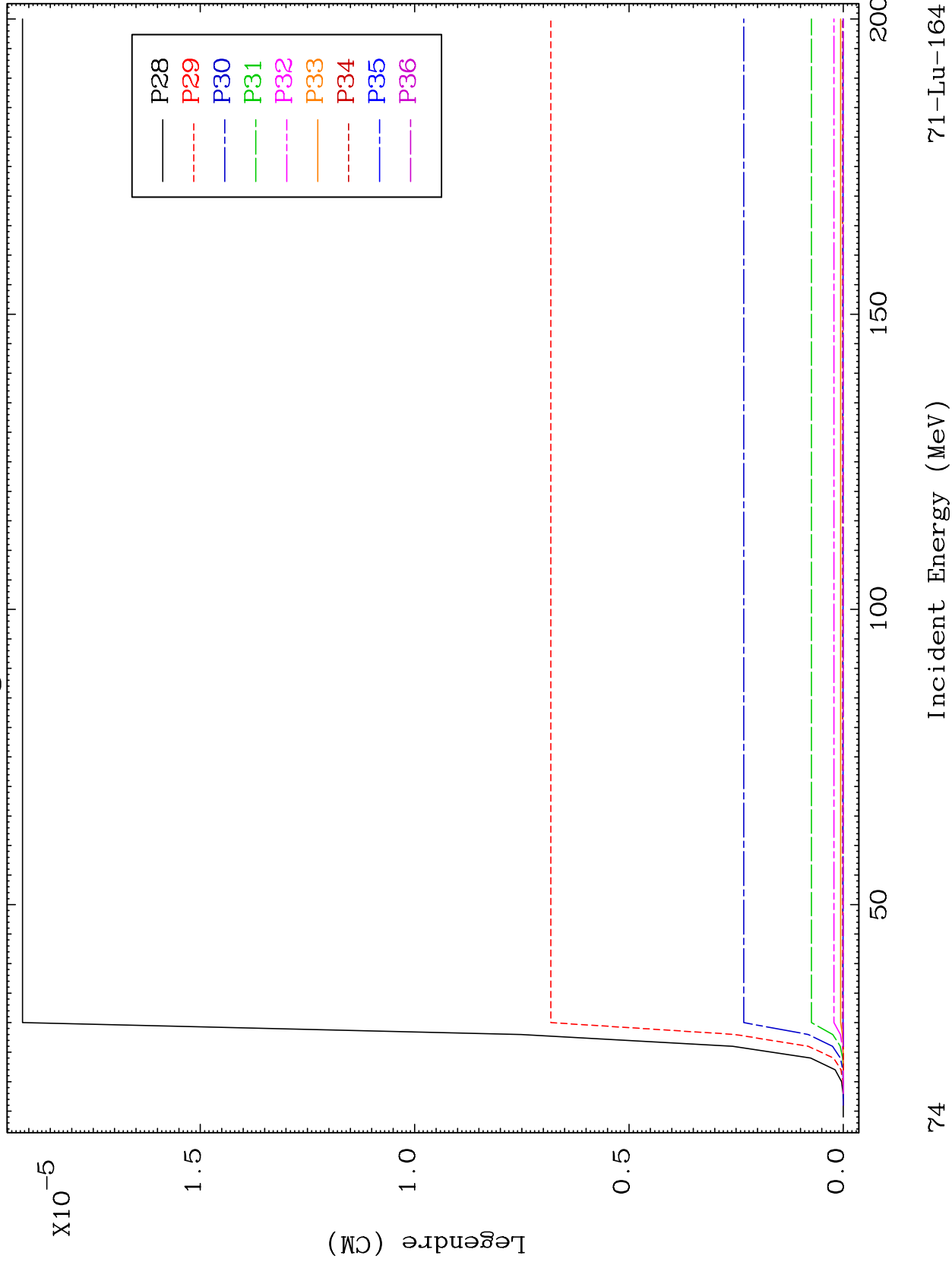
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

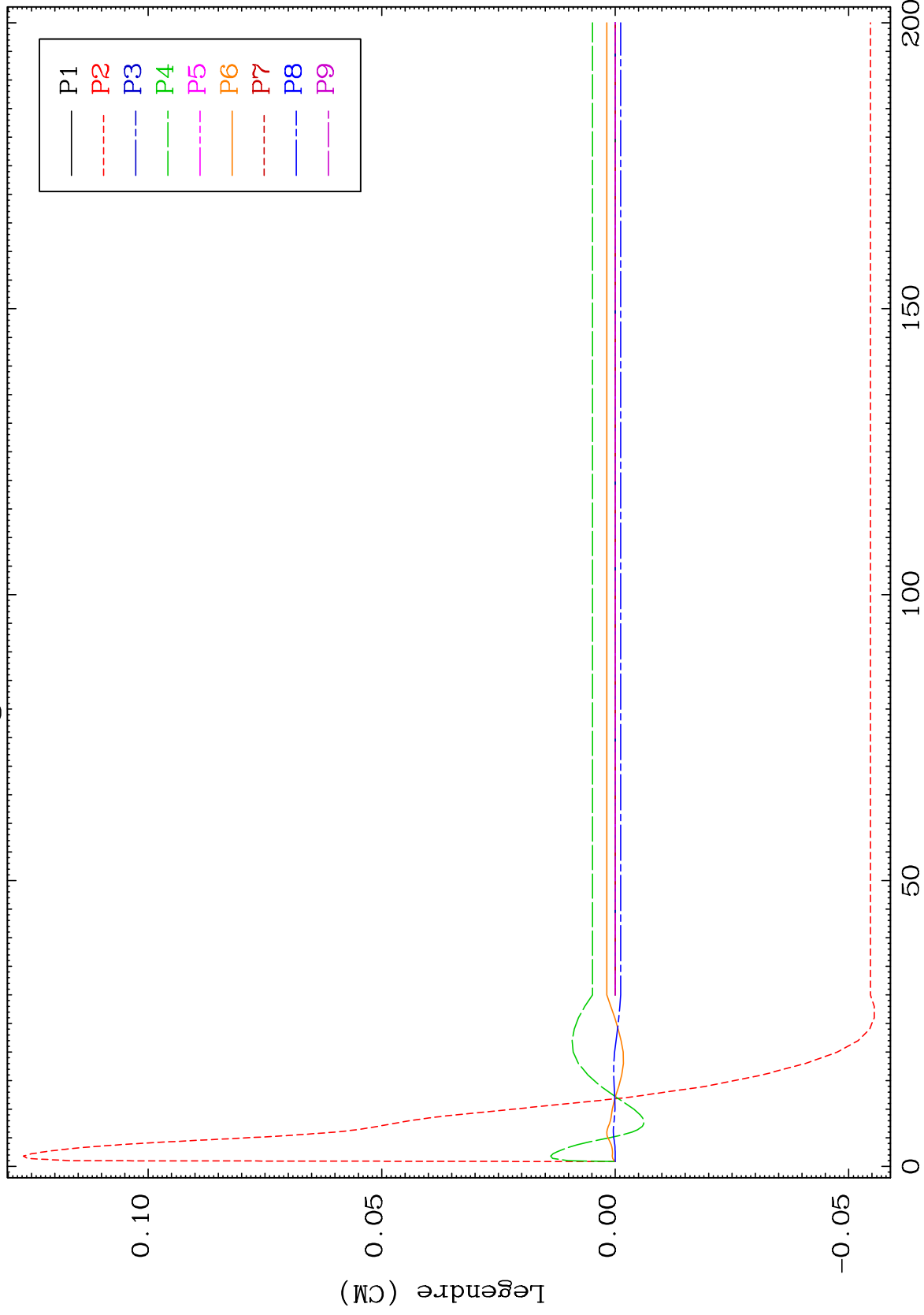
71-Lu-164



MAT 7092

MT= 66 (n,n') Level
Legendre Coefficients

71-Lu-164



75

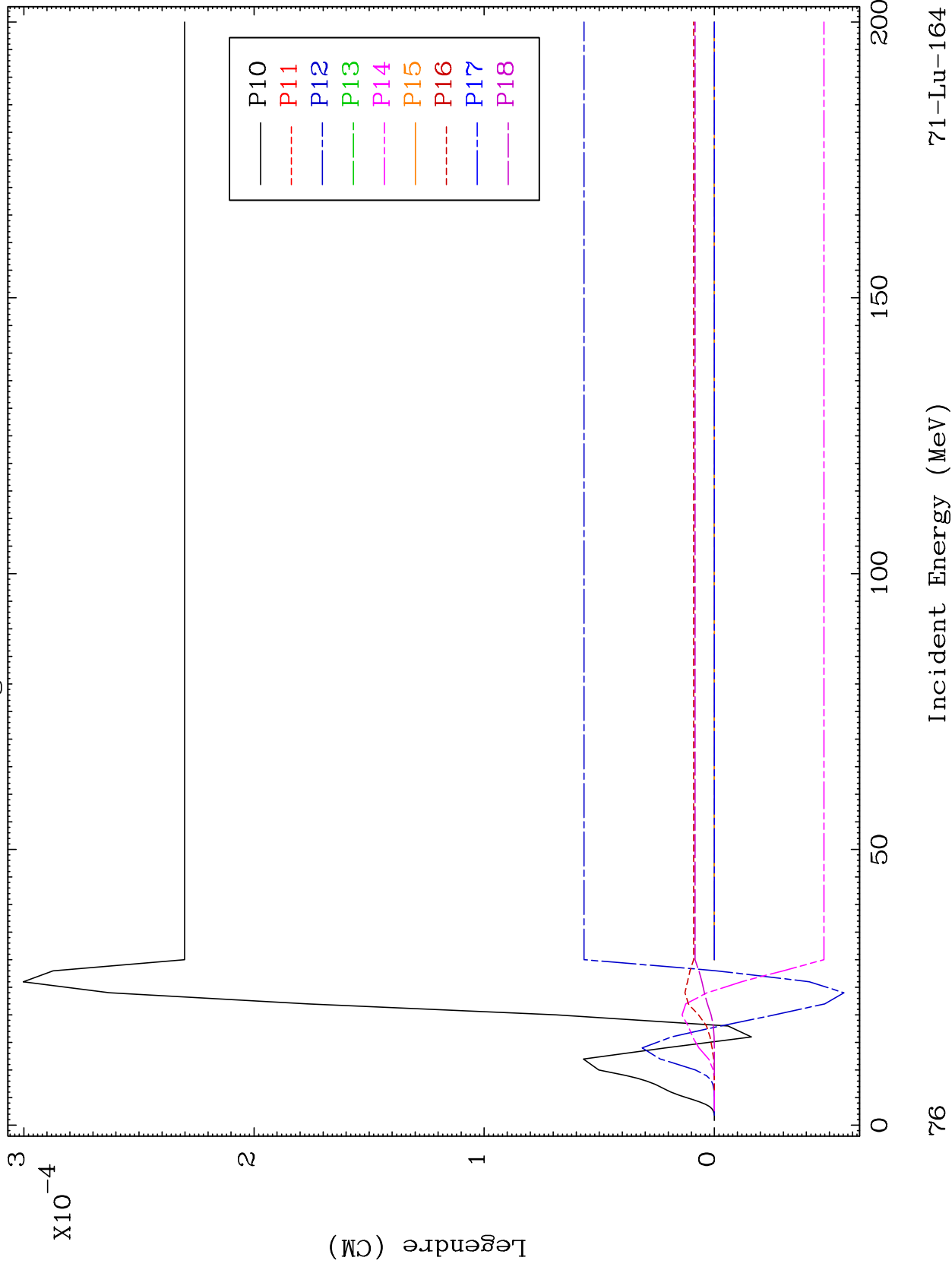
Incident Energy (MeV)

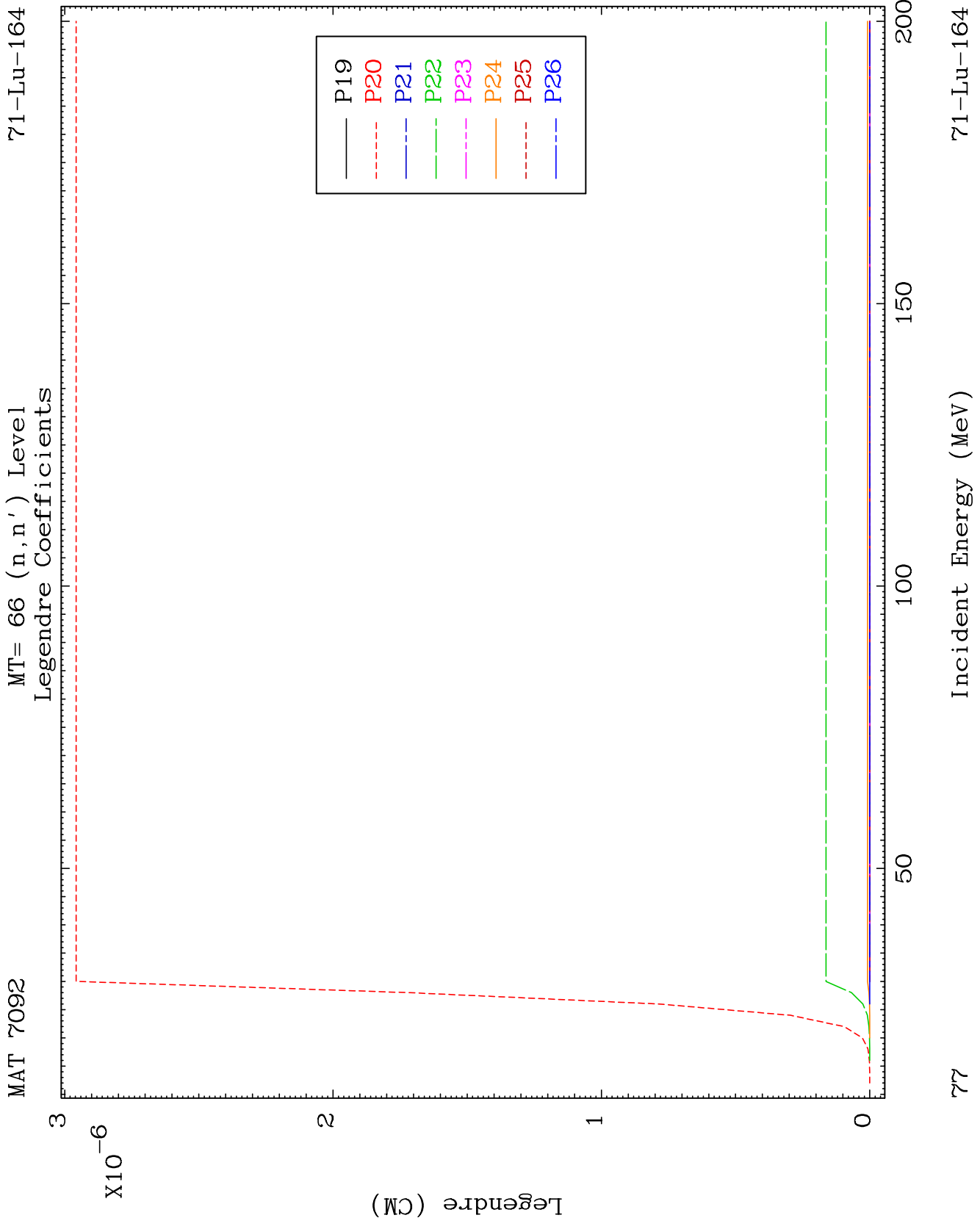
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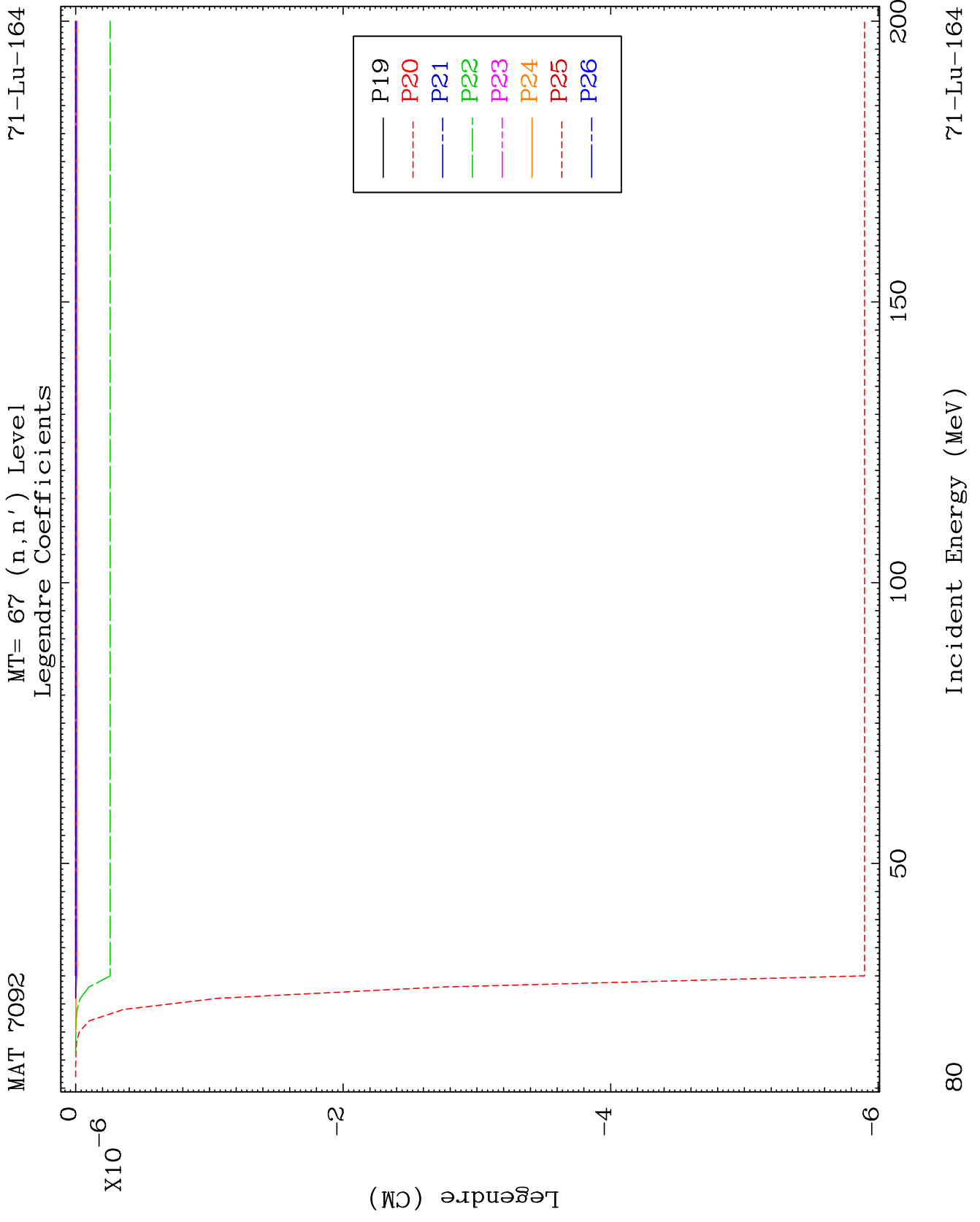
MAT 7092

MT= 66 (n,n') Level
Legendre Coefficients

71-Lu-164



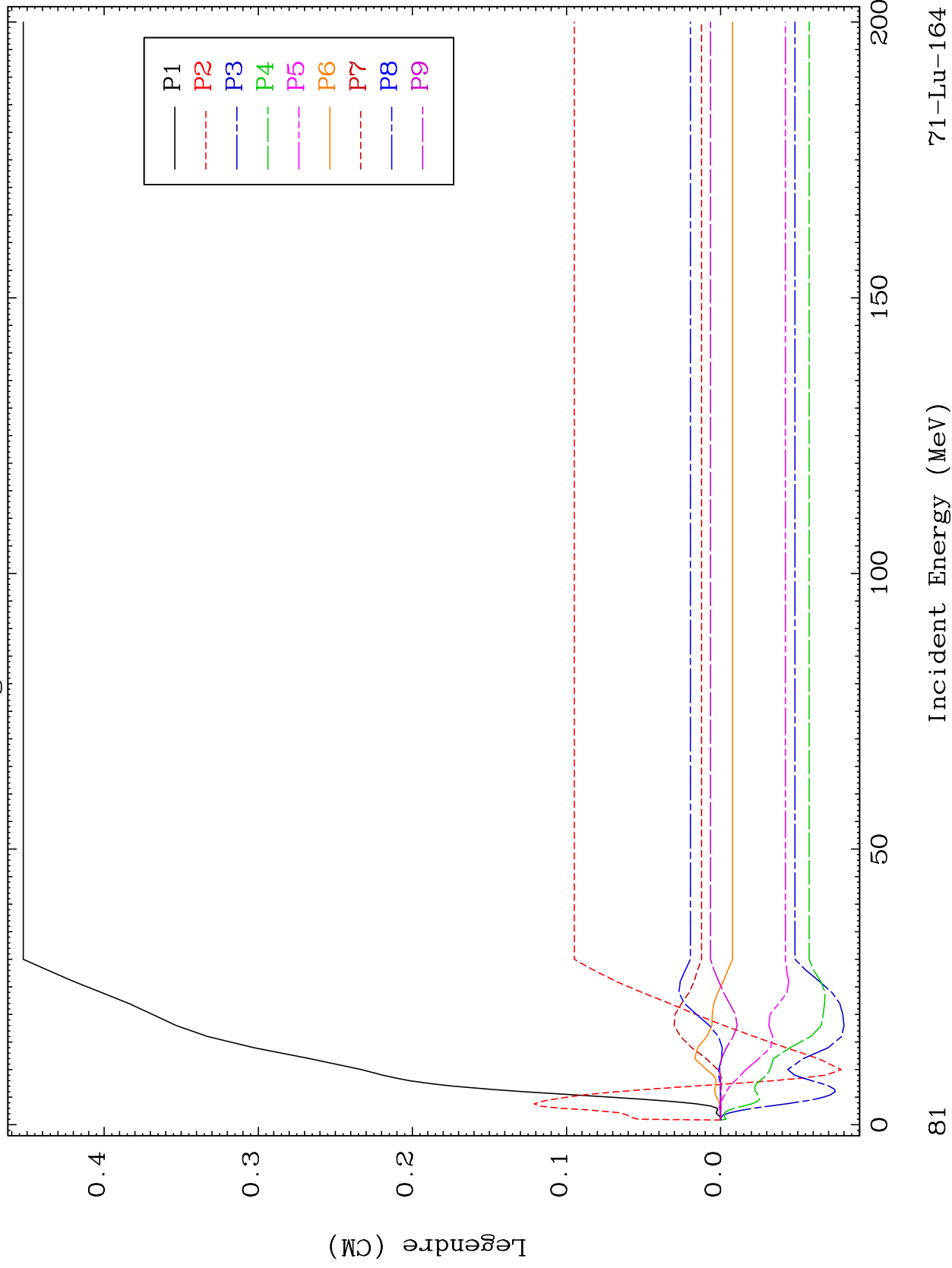




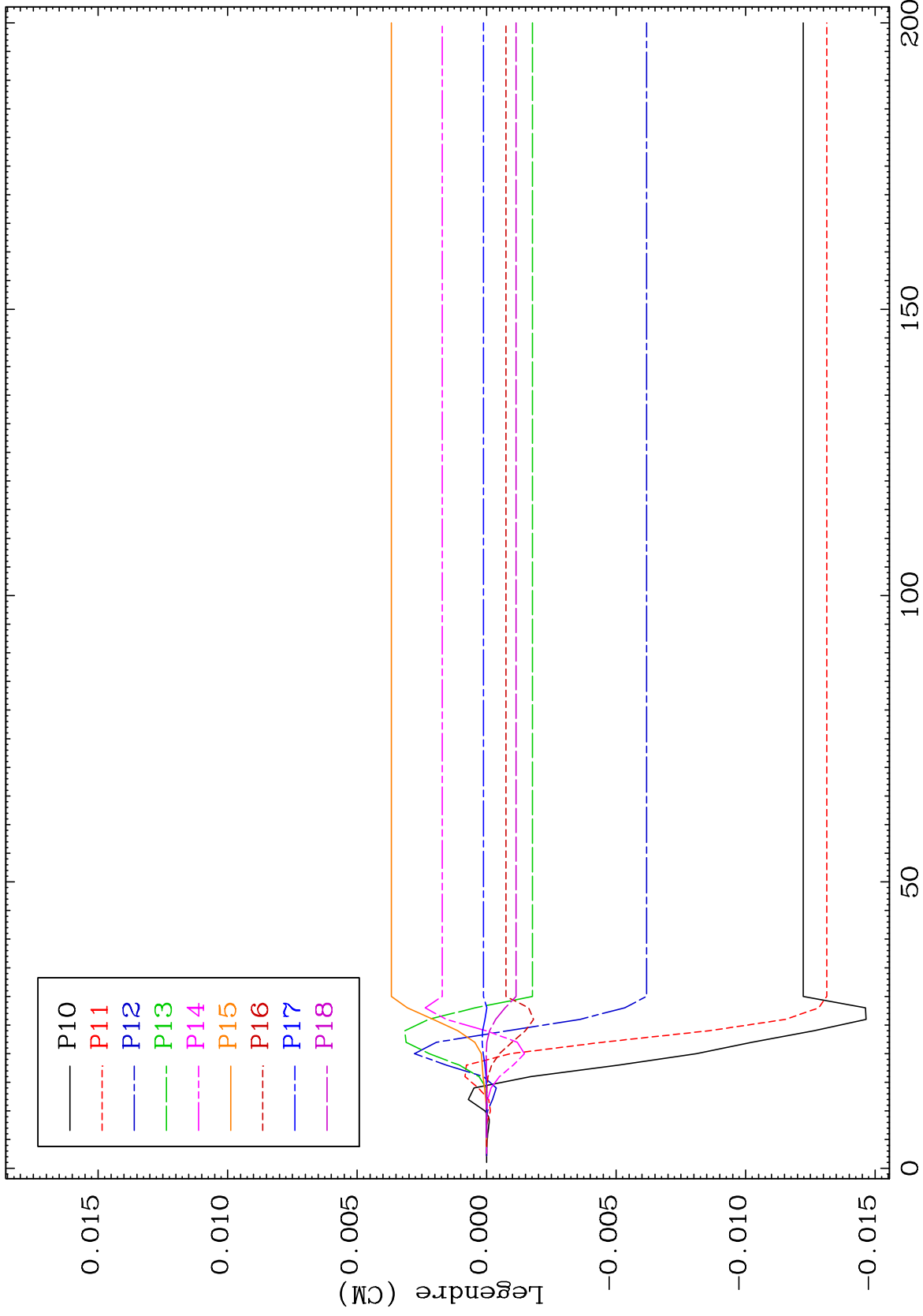
MAT 7092

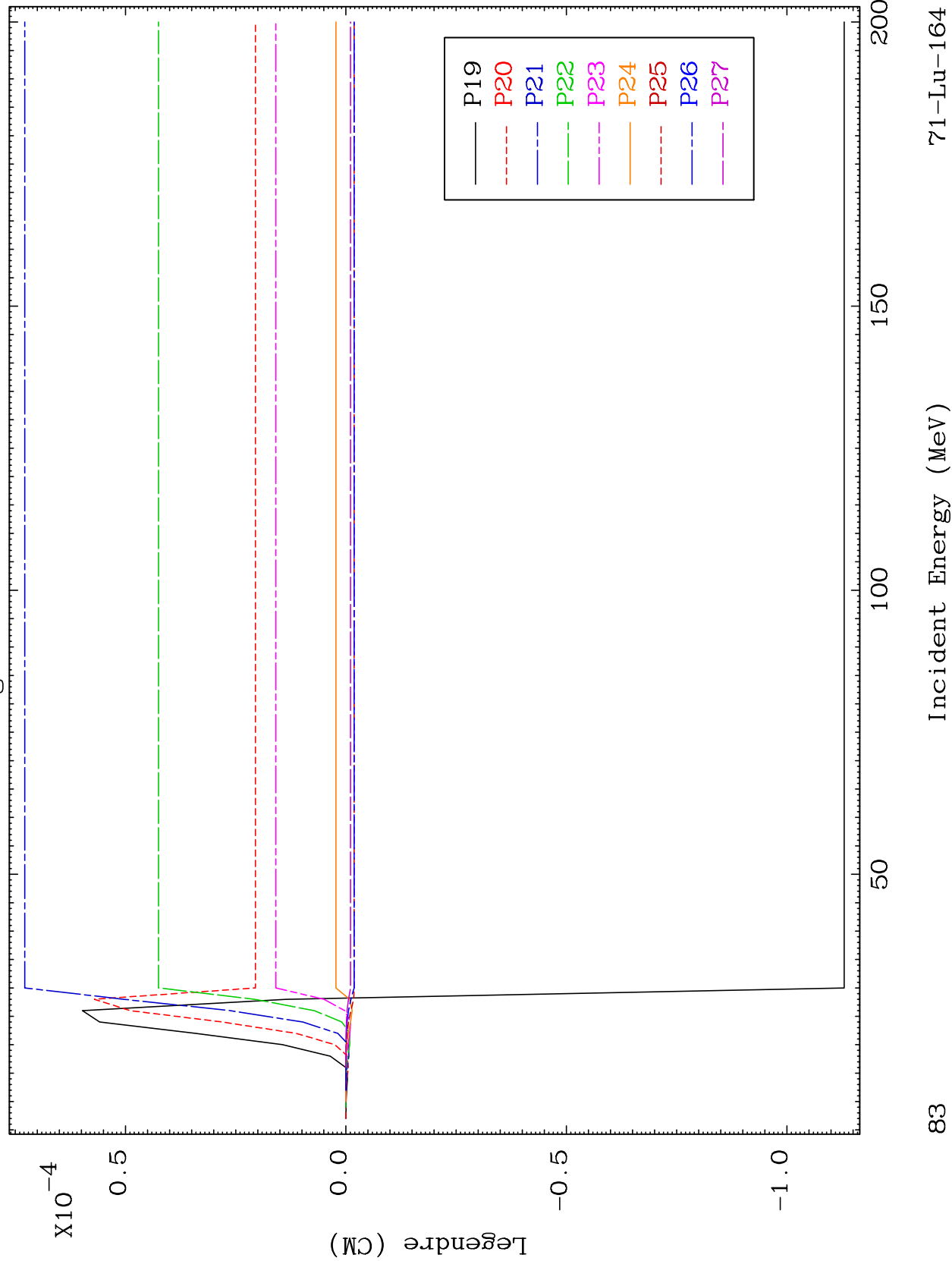
MT= 68 (n,n') Level
Legendre Coefficients

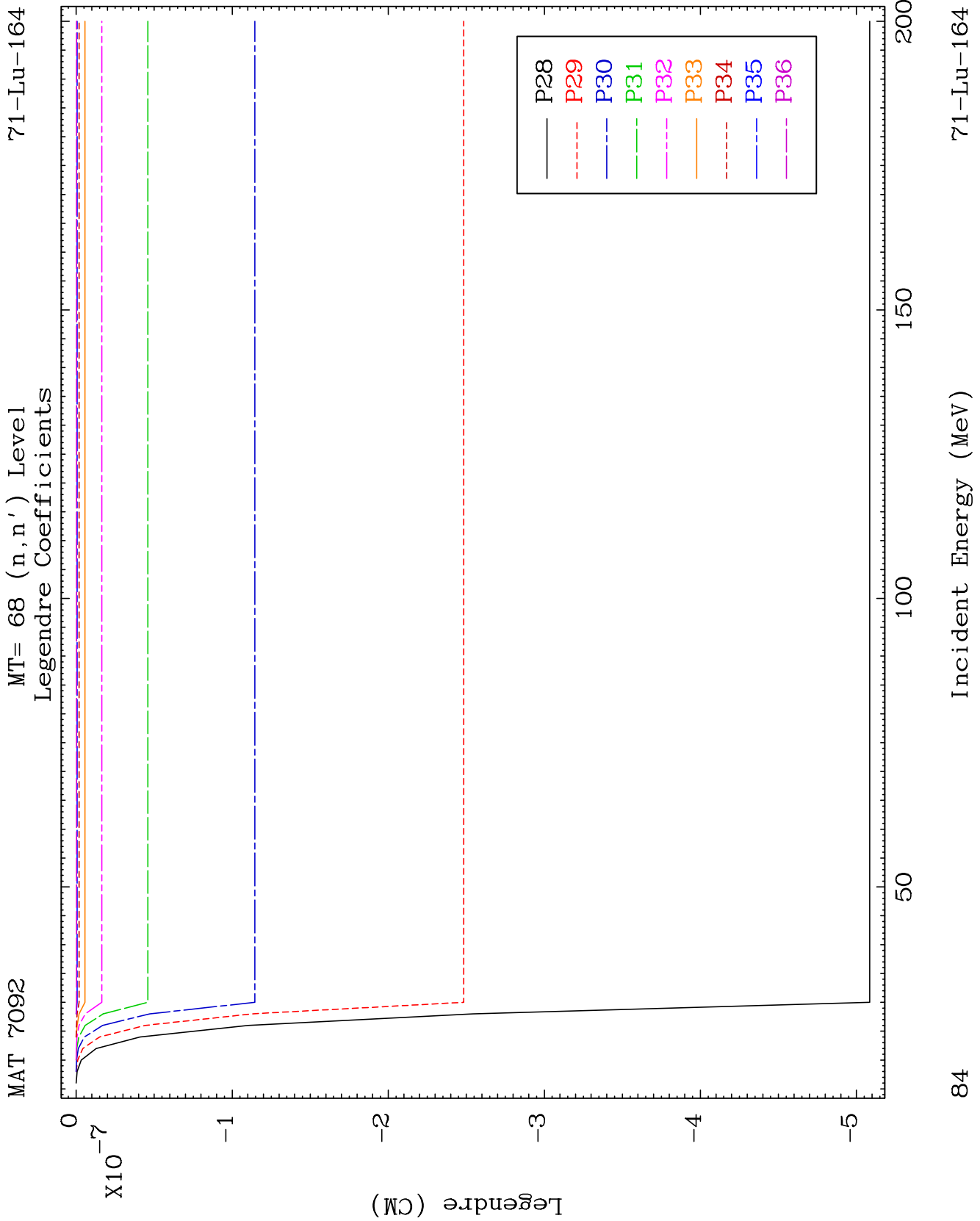
71-Lu-164



71-Lu-164



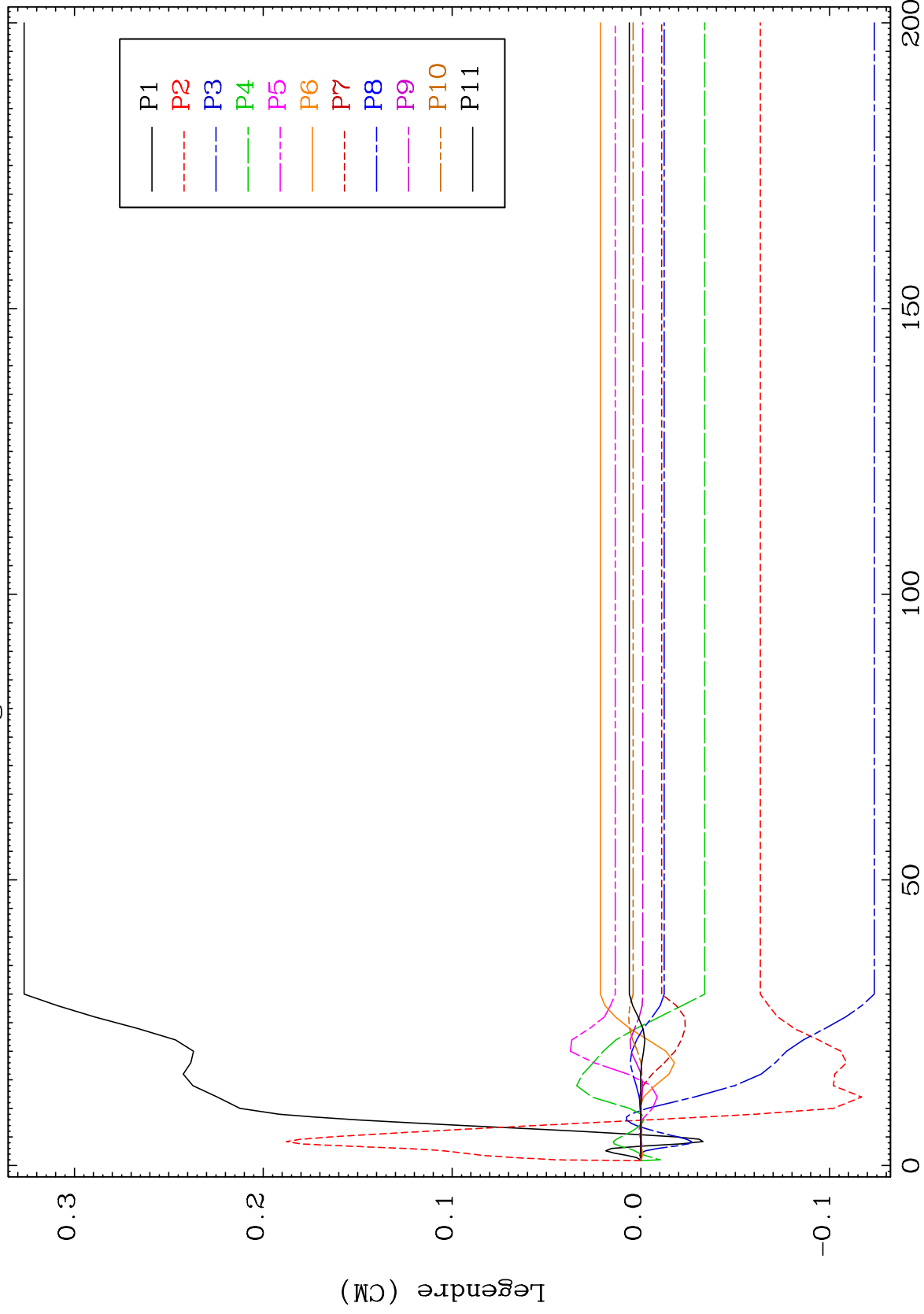




MAT 7092

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

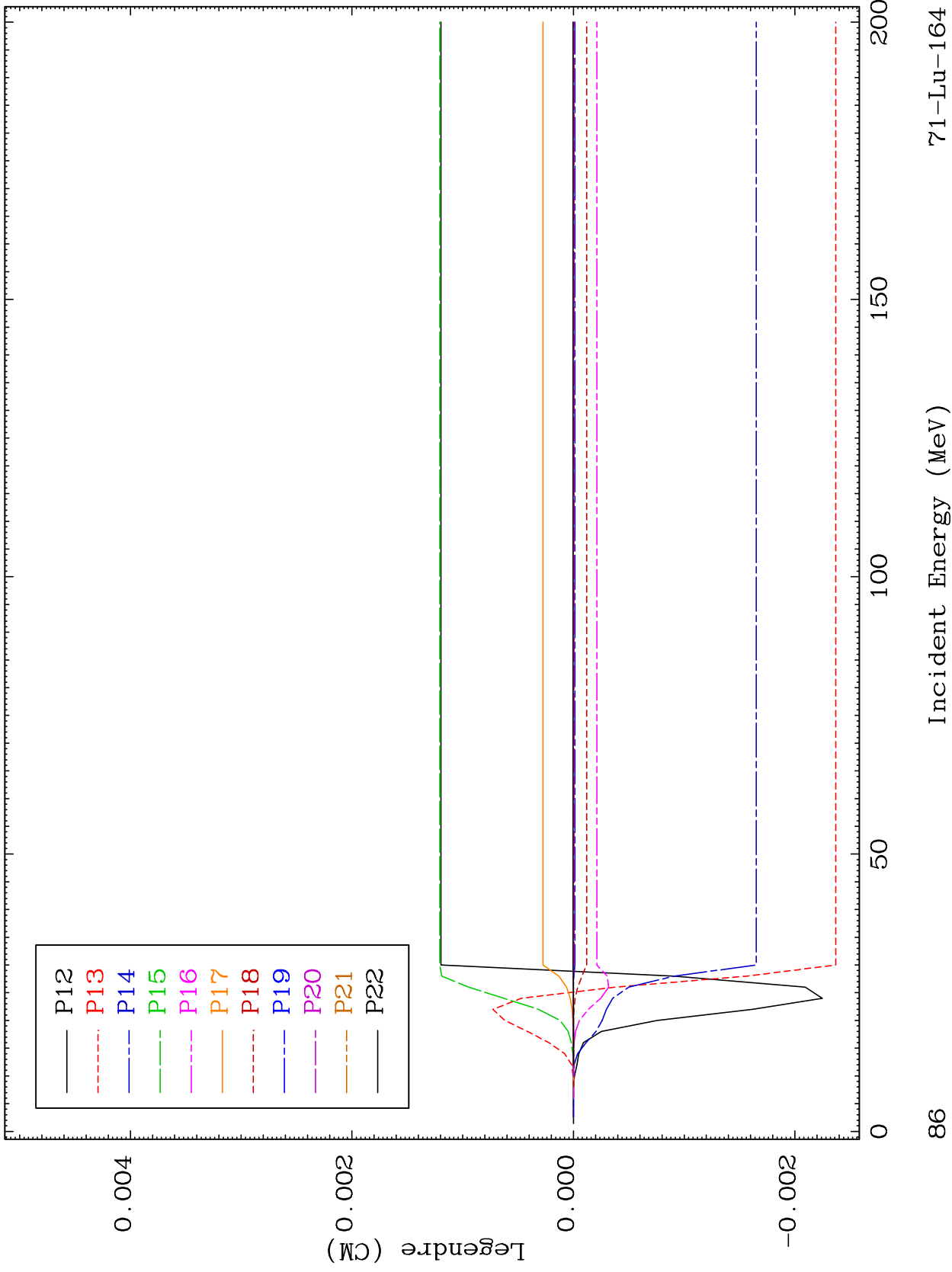
71-Lu-164



71-Lu-164

Incident Energy (MeV)

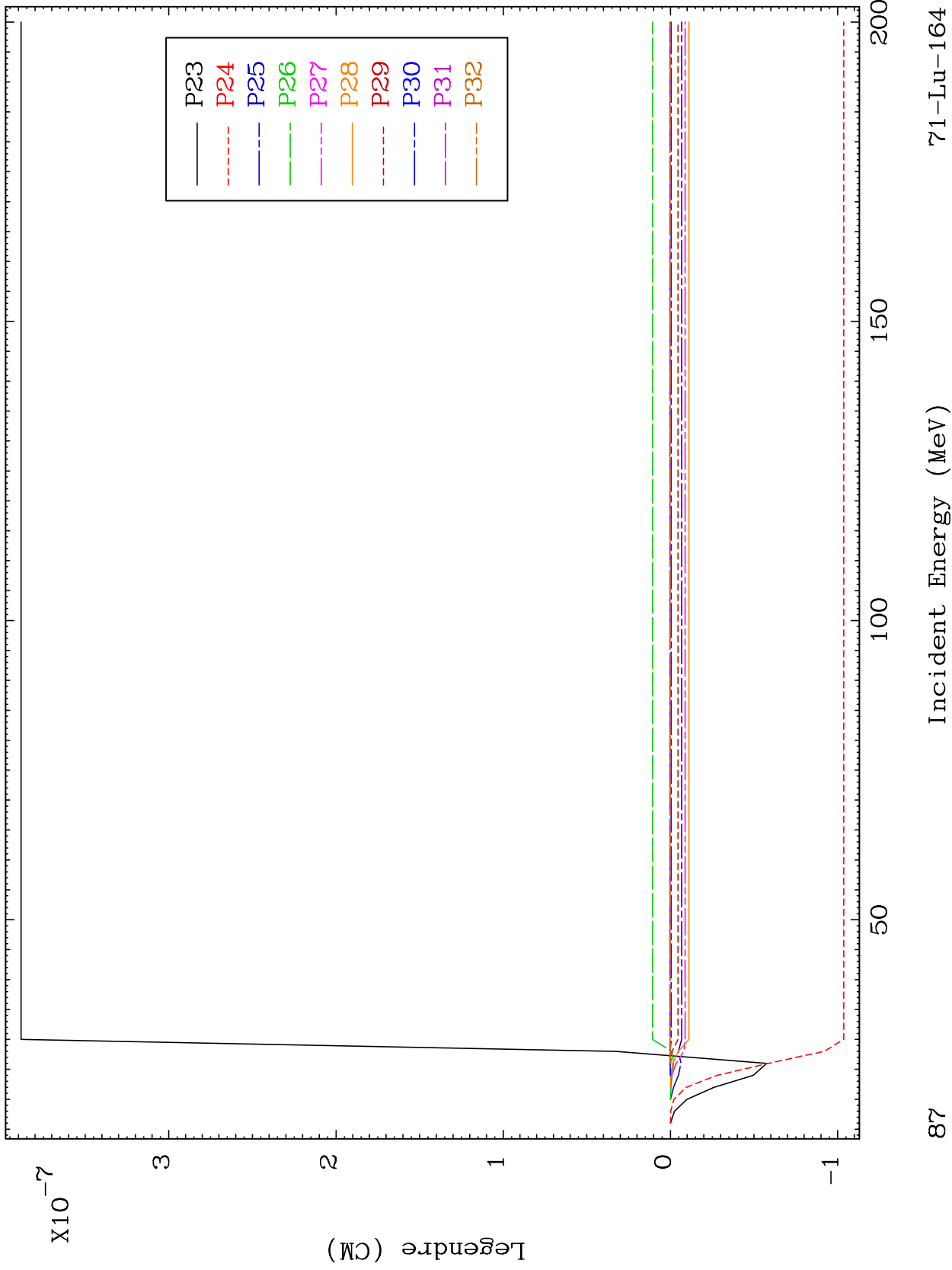
85



MAT 7092

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

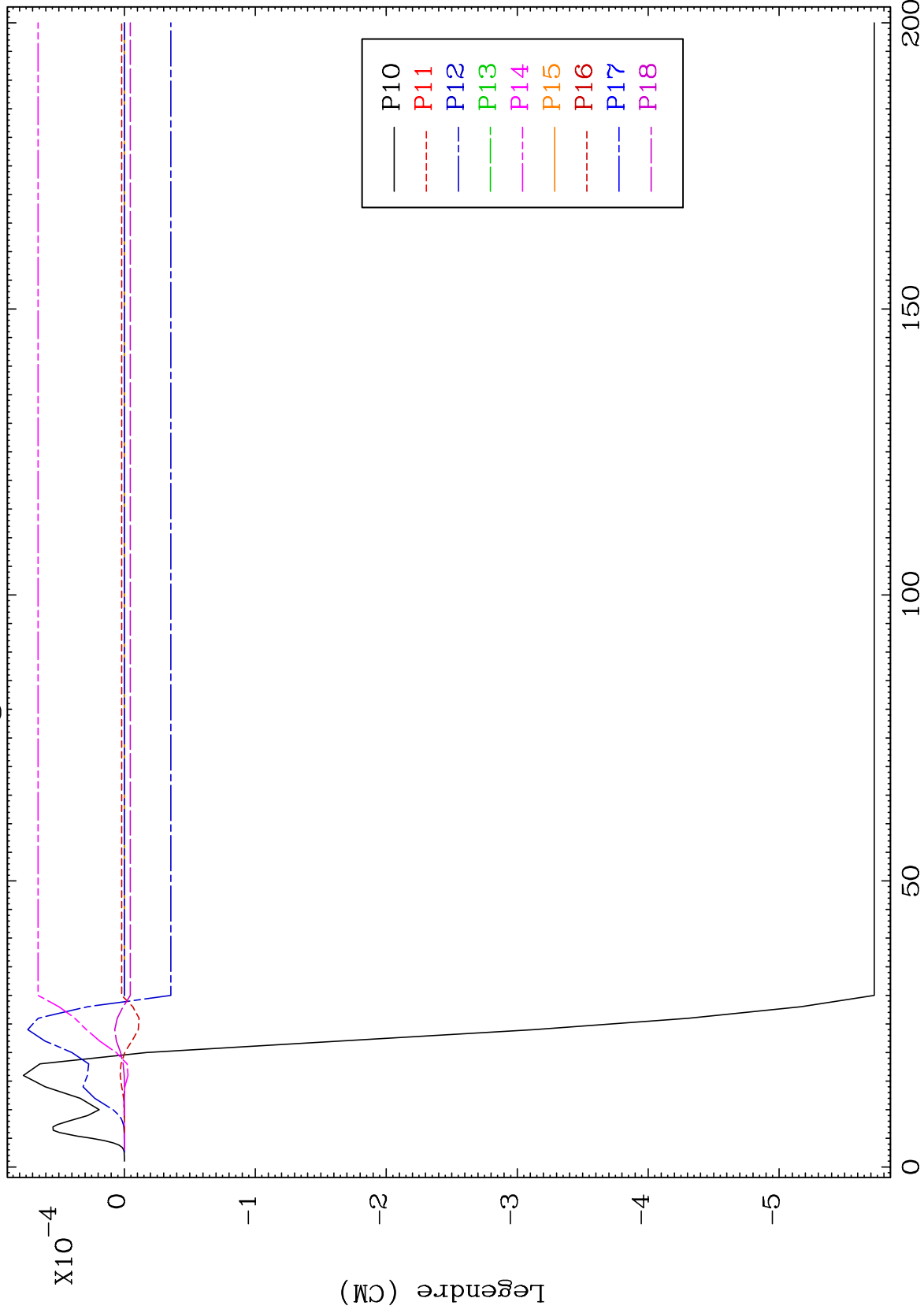
71-Lu-164



MAT 7092

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

71-Lu-164



89

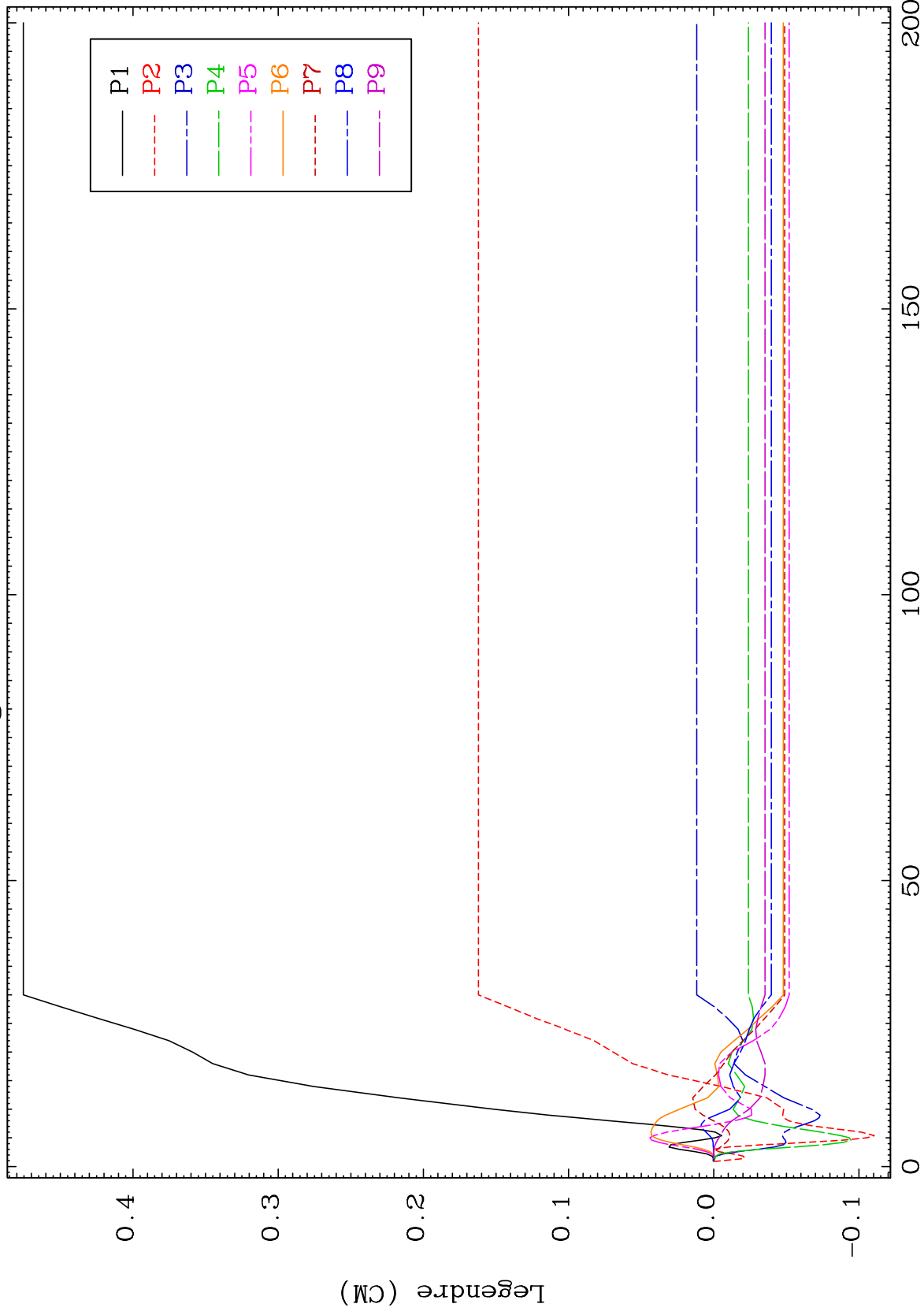
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



91

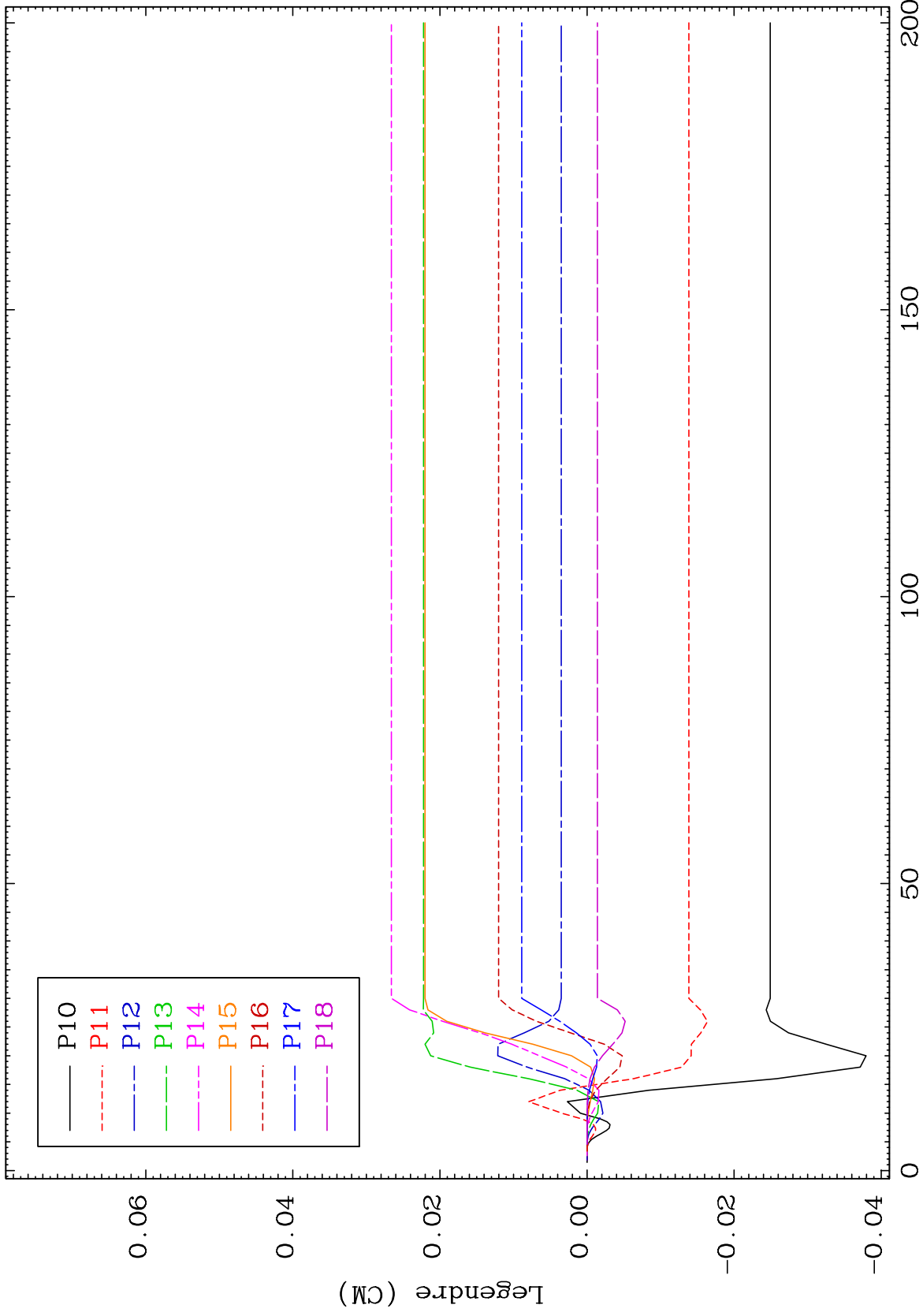
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



92

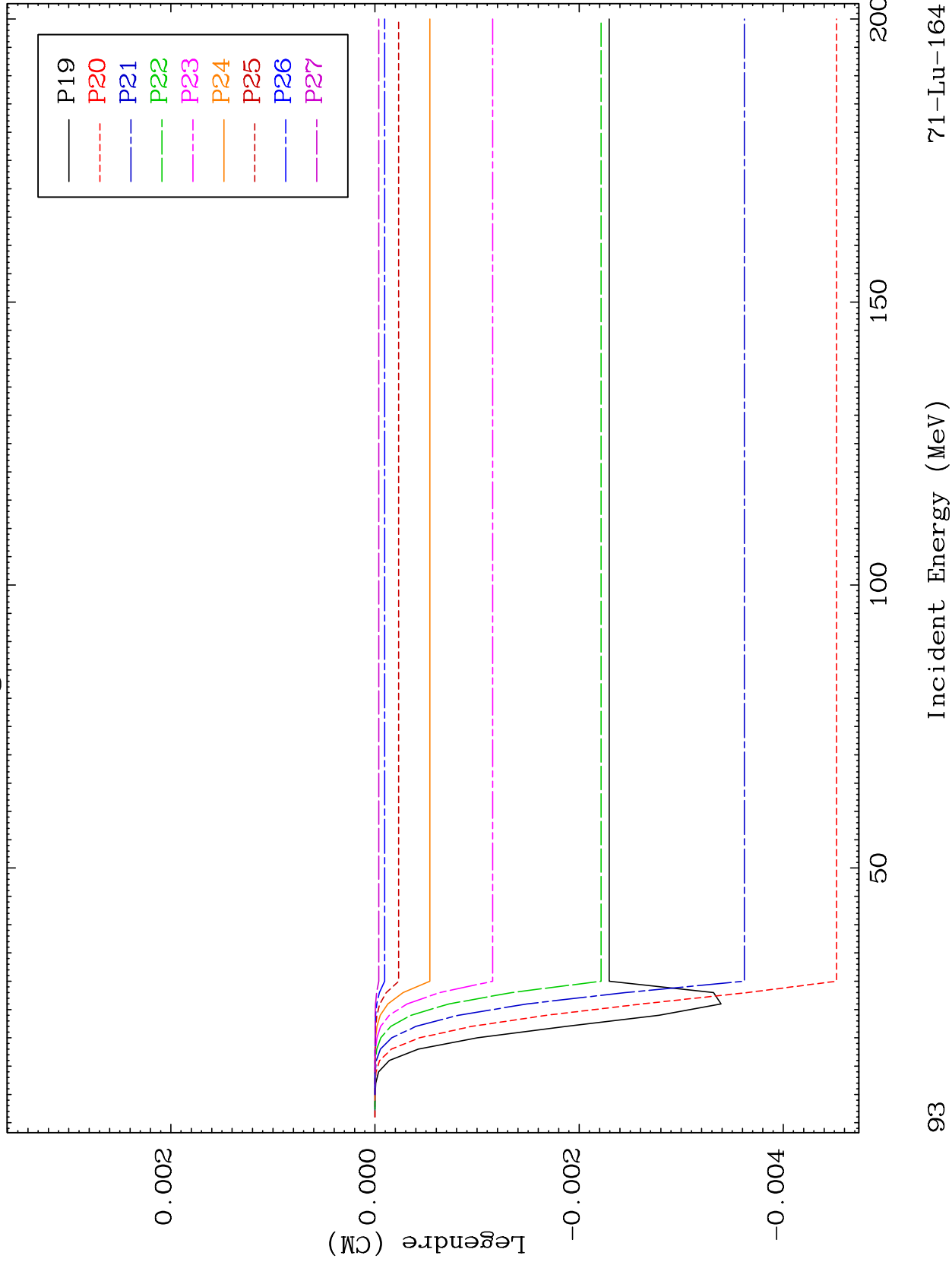
Incident Energy (MeV)

71-Lu-164

MAT 7092

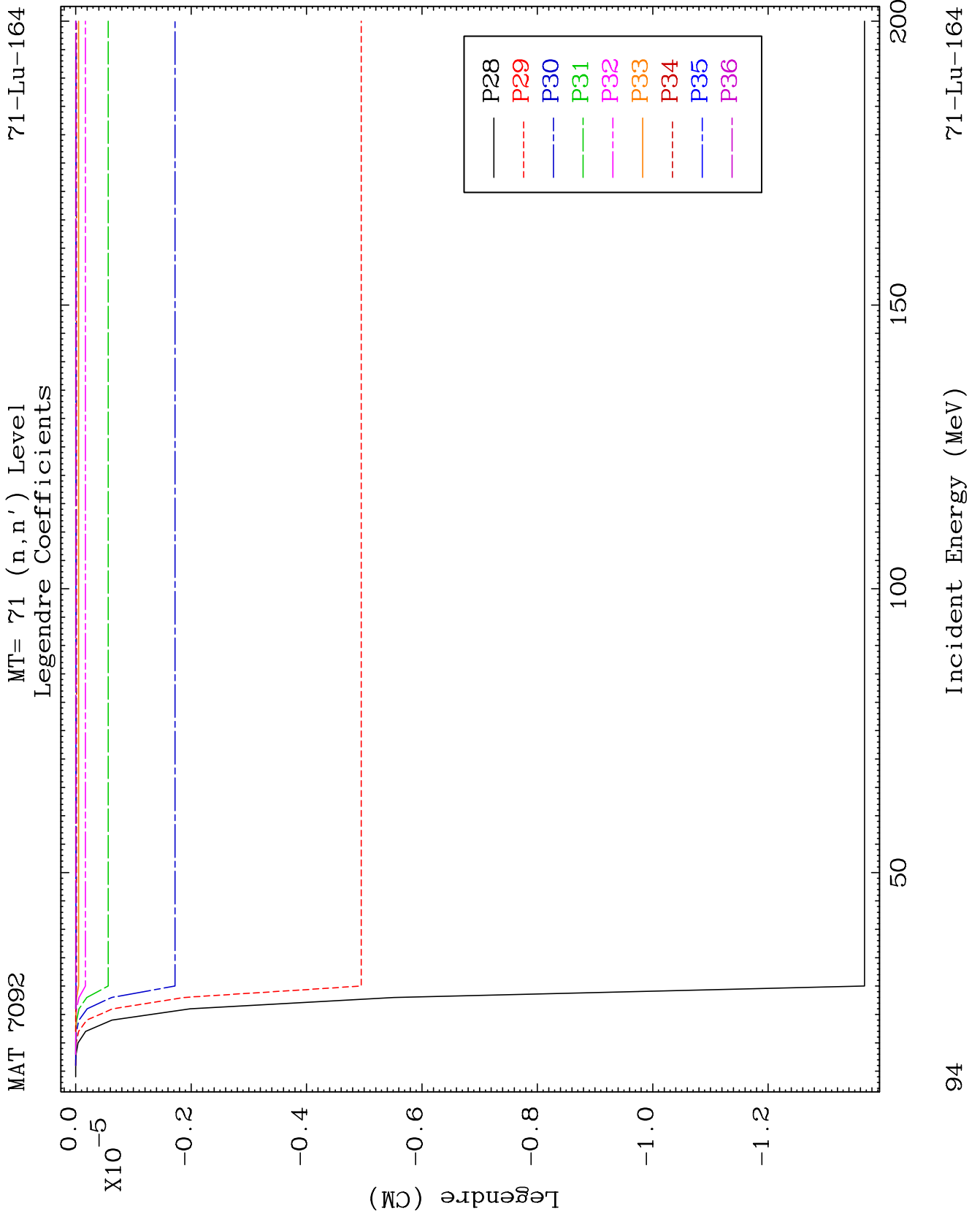
MT= 71 (n,n') Level
Legendre Coefficients

71-Lu-164



93

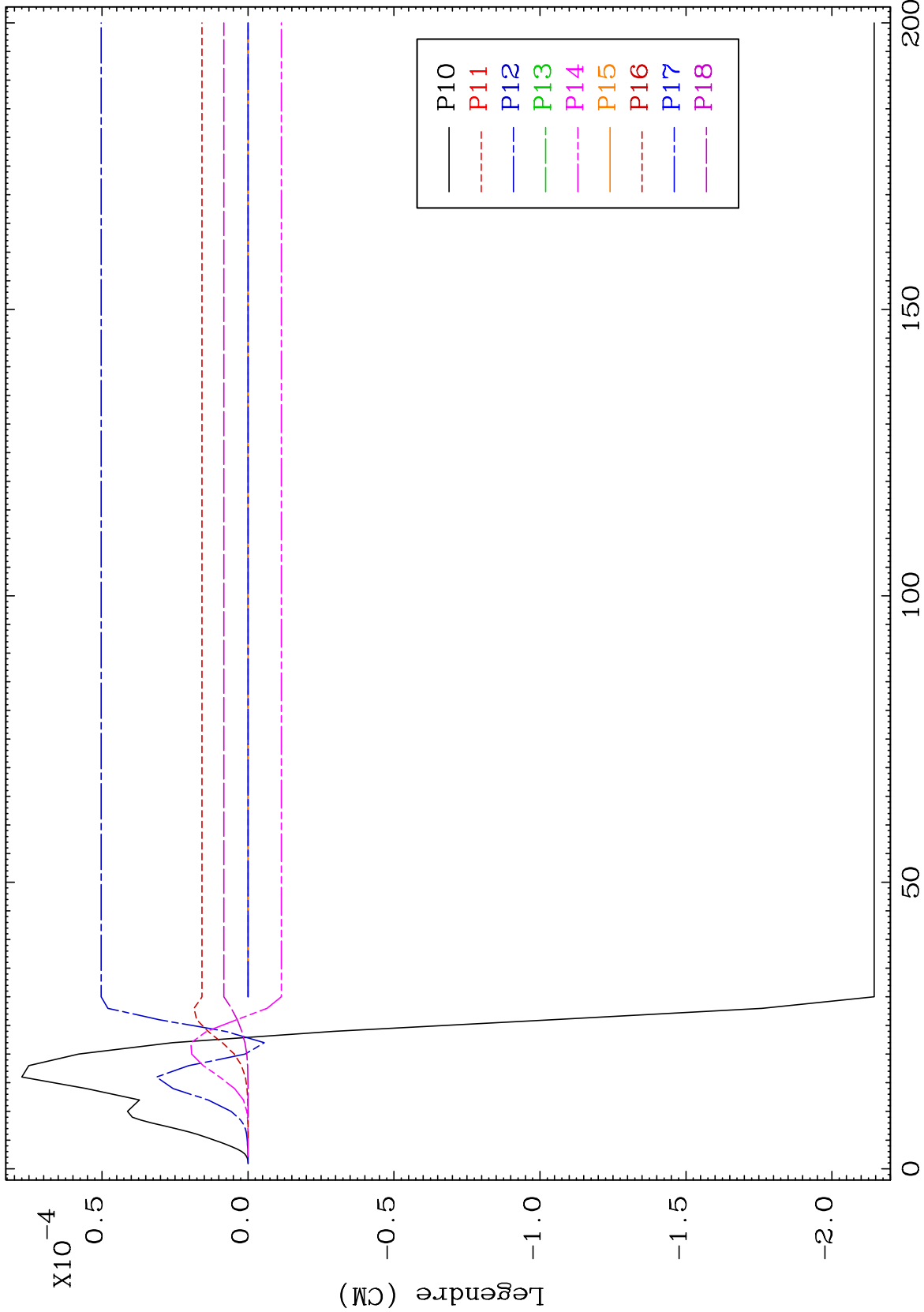
71-Lu-164



MAT 7092

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

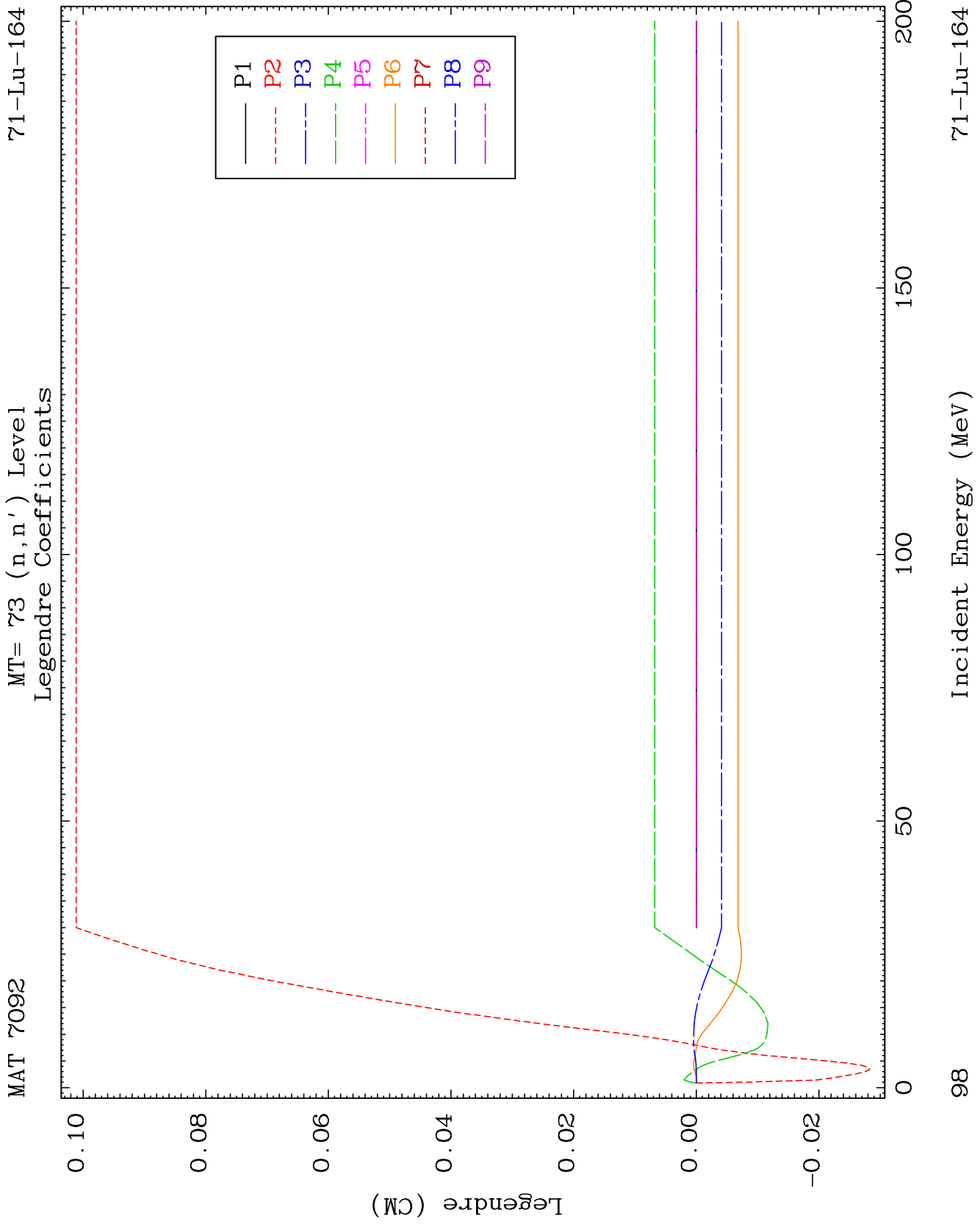
71-Lu-164



96

Incident Energy (MeV)

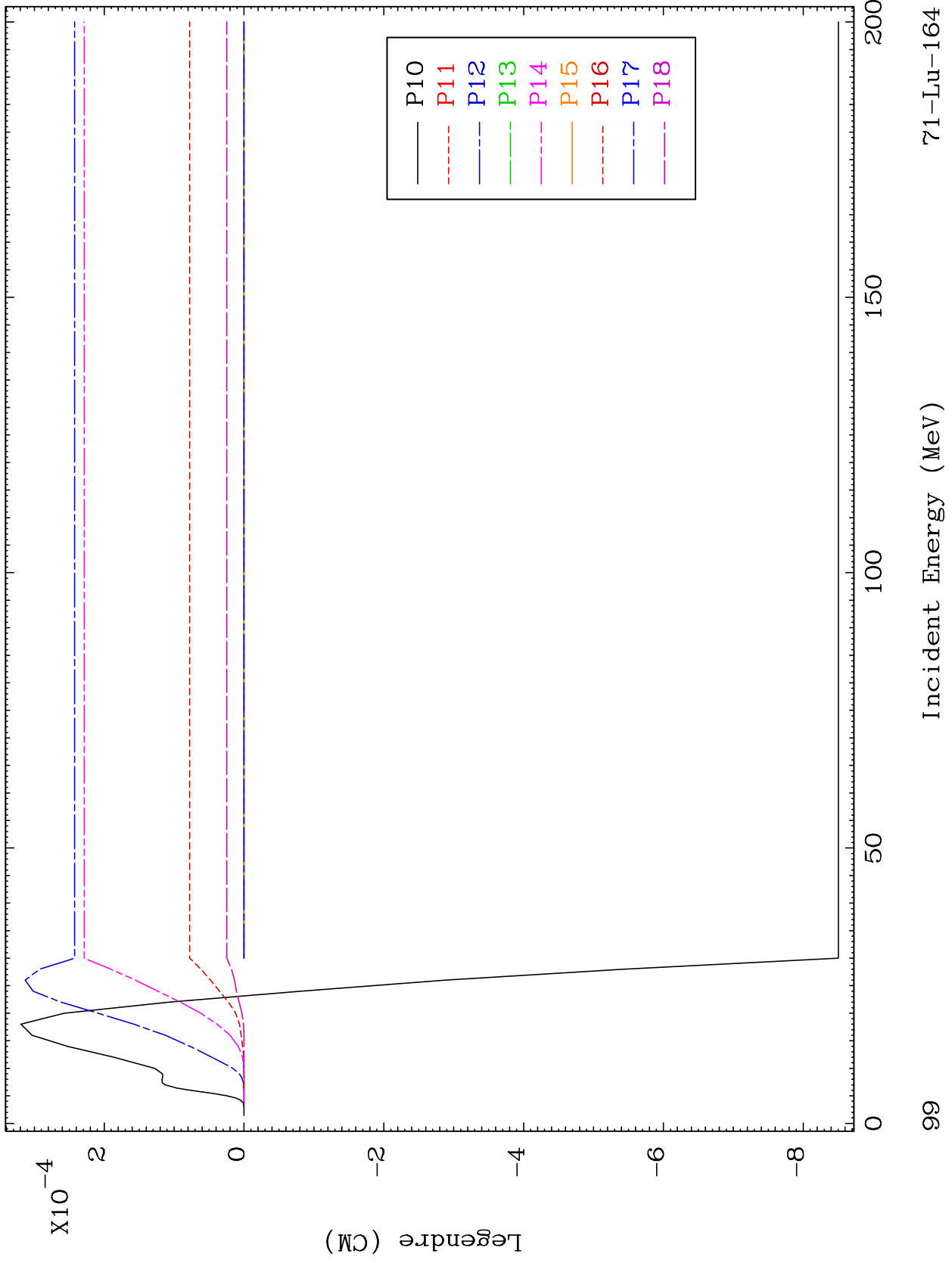
71-Lu-164

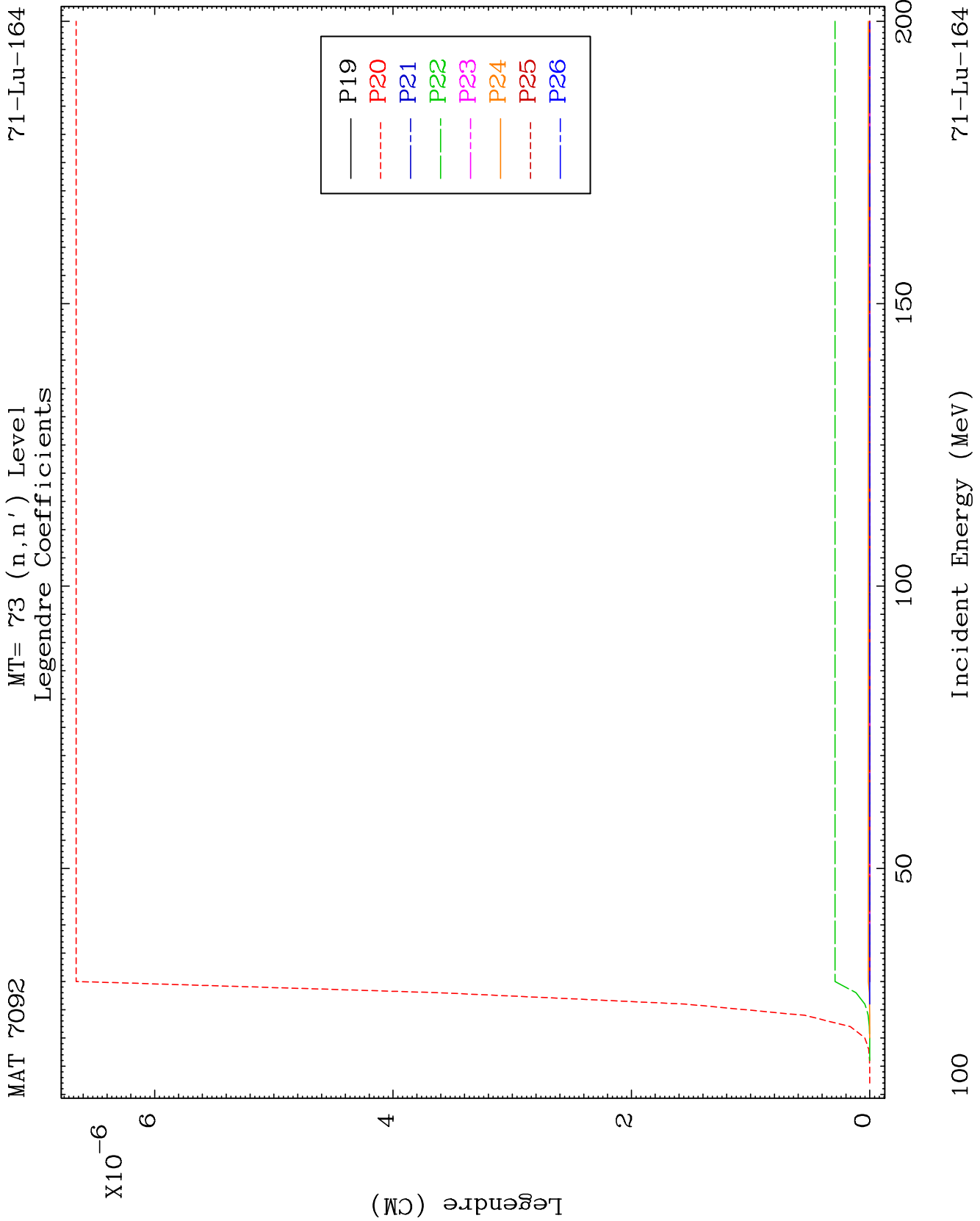


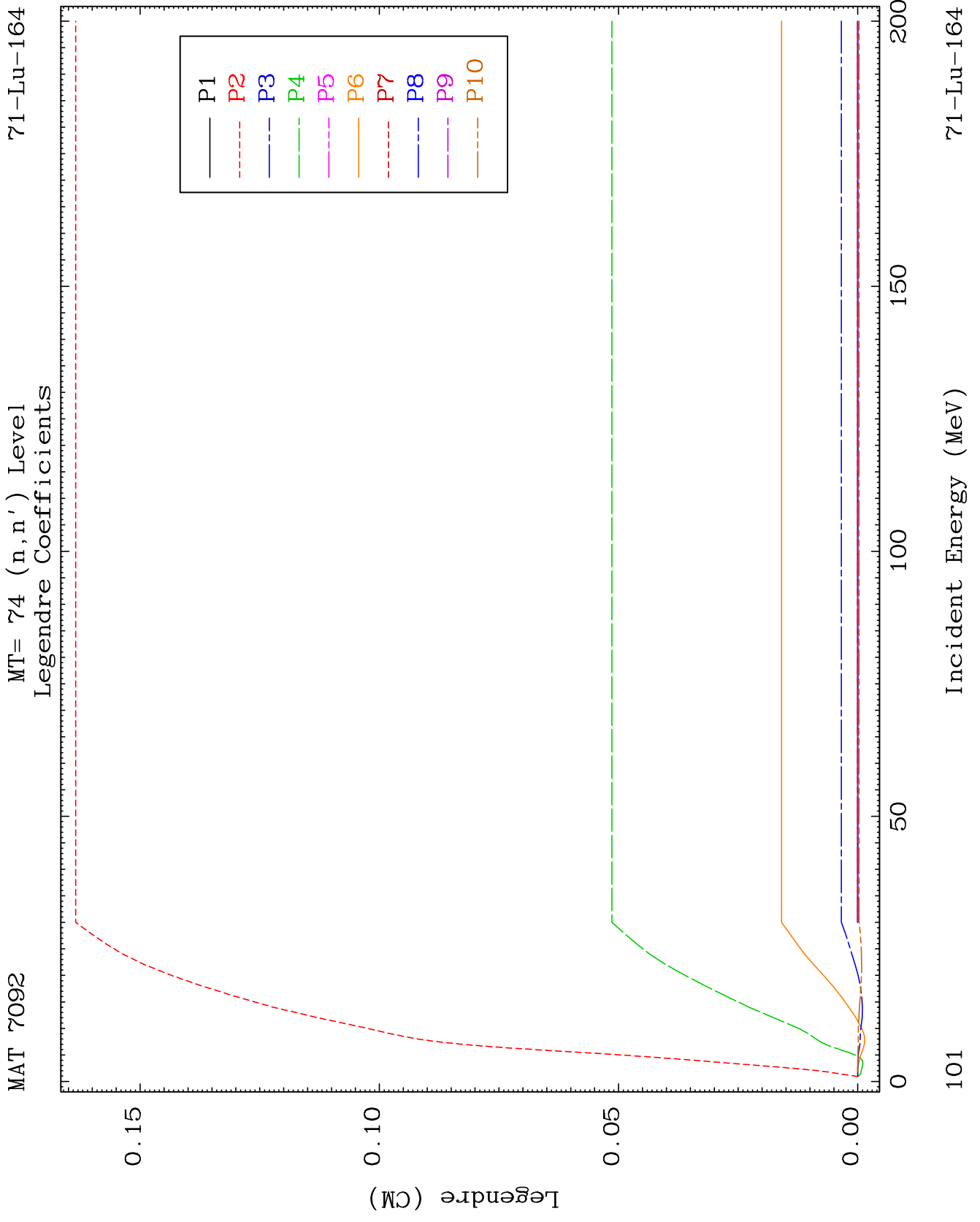
MAT 7092

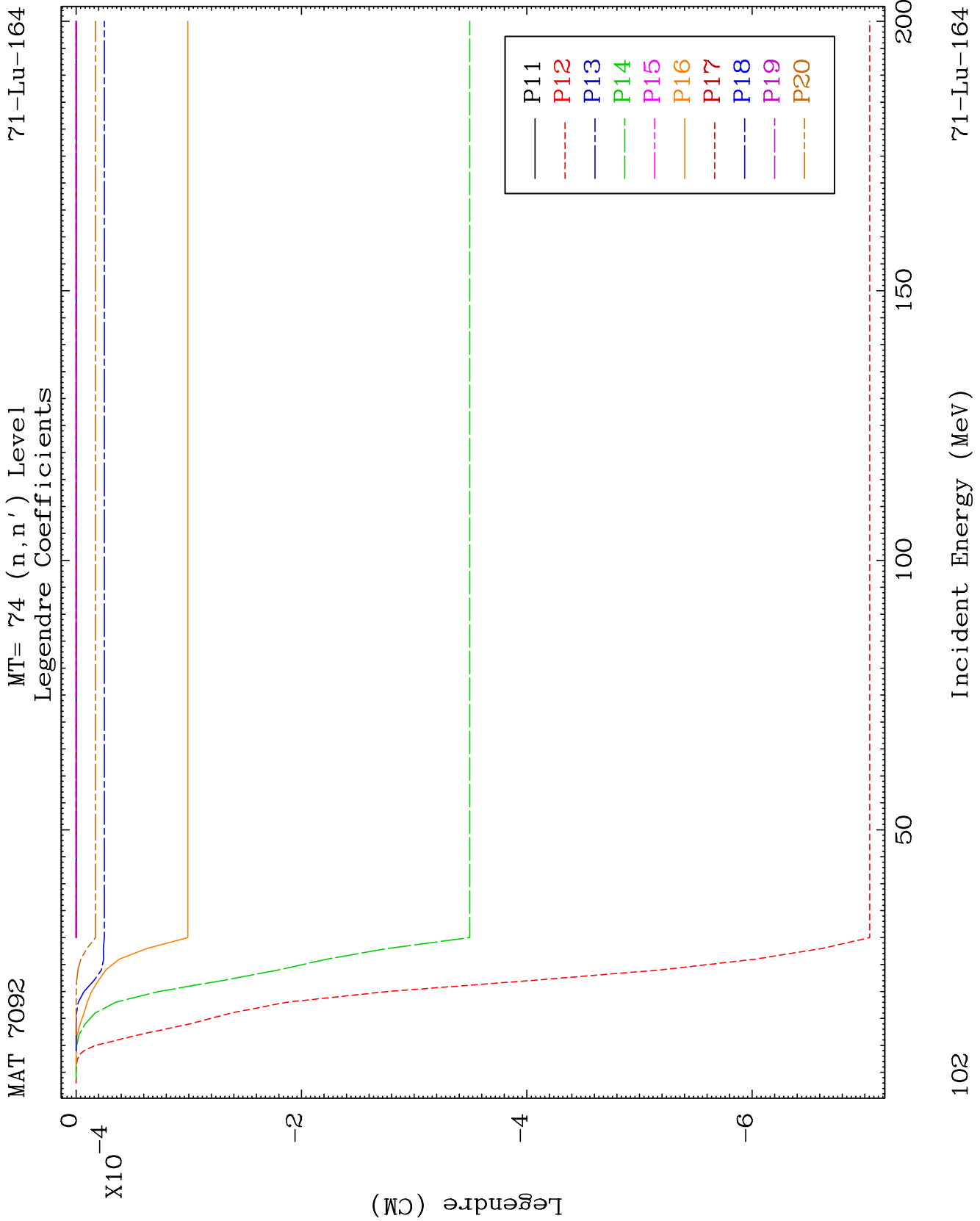
MT= 73 (n,n') Level
Legendre Coefficients

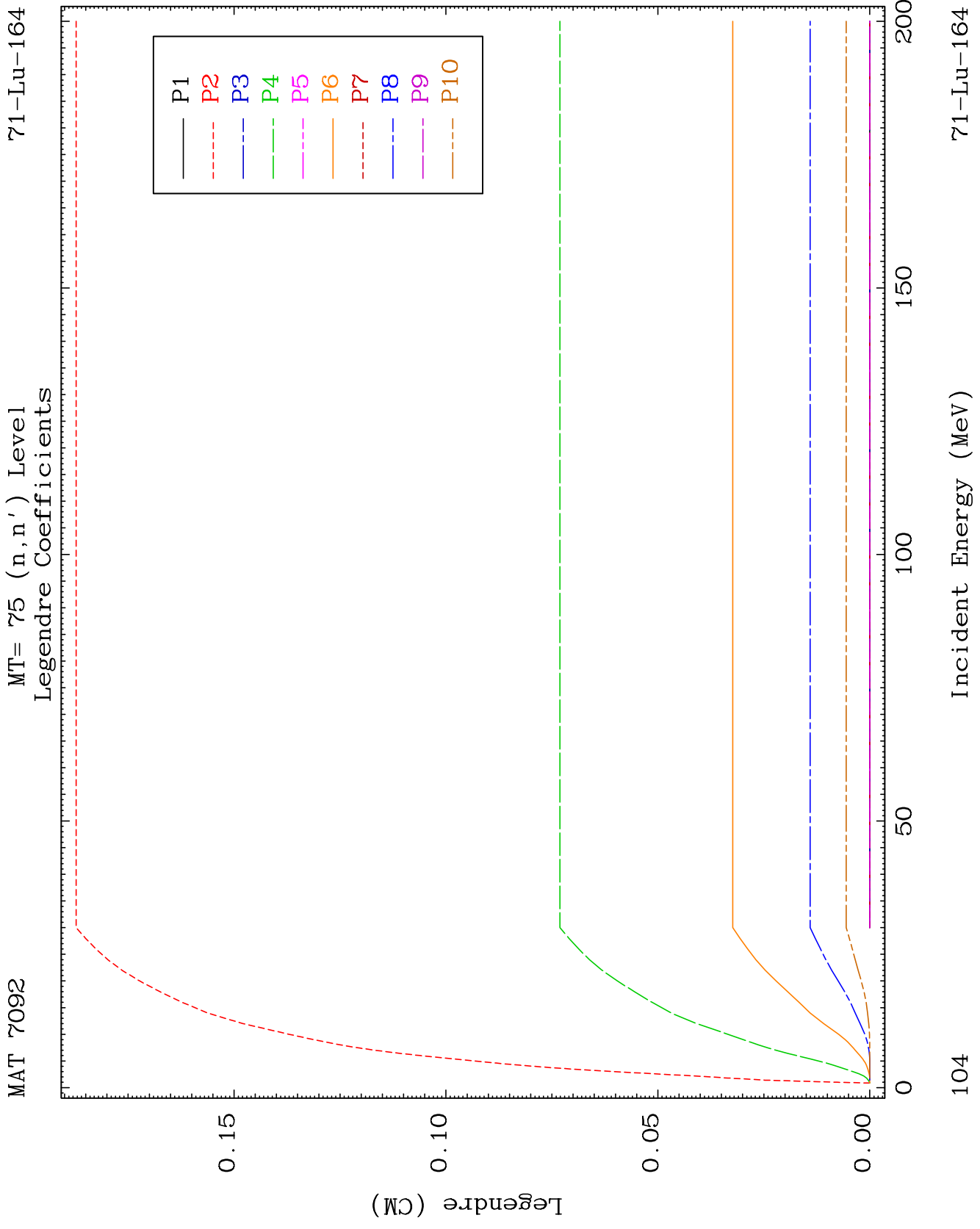
71-Lu-164

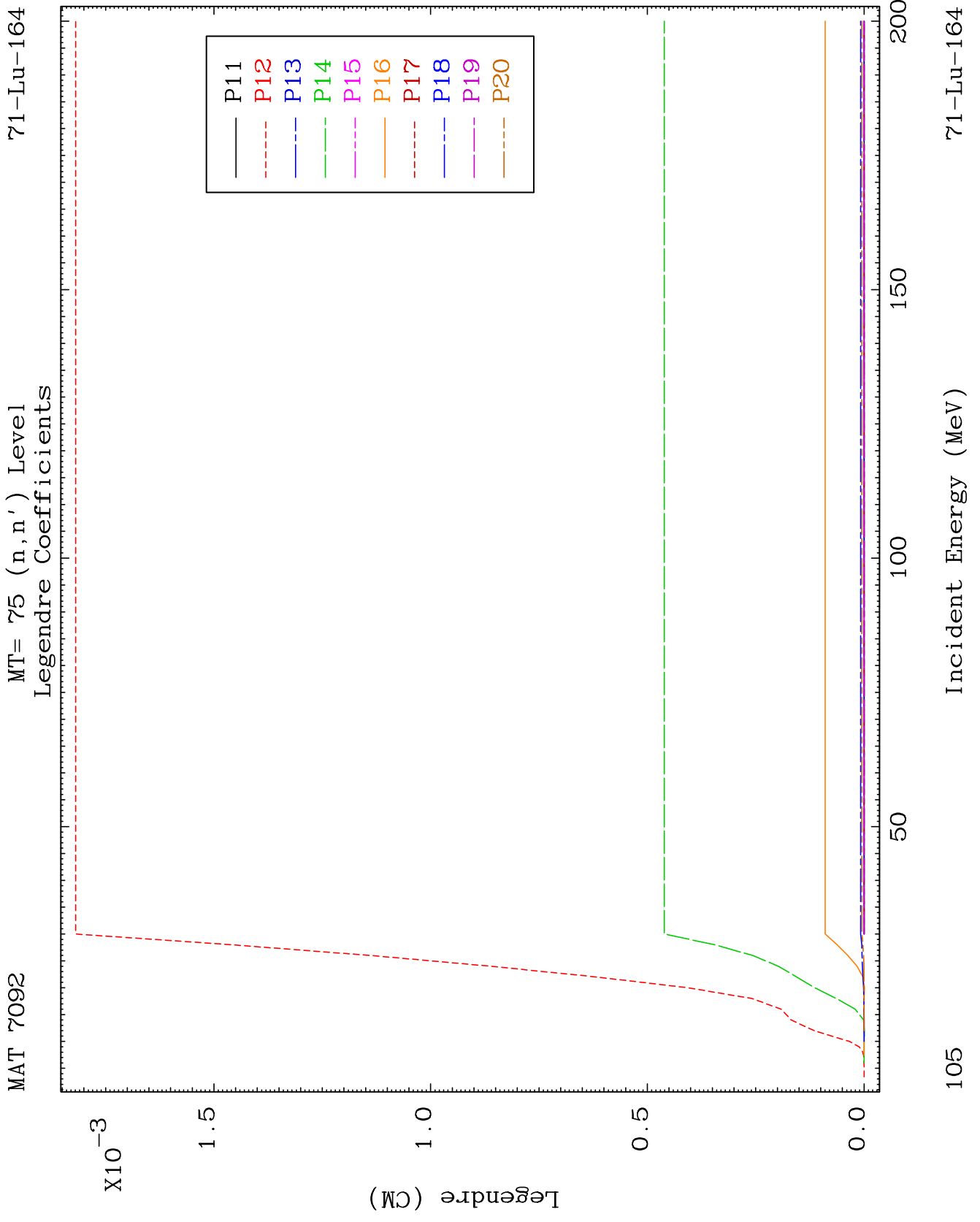


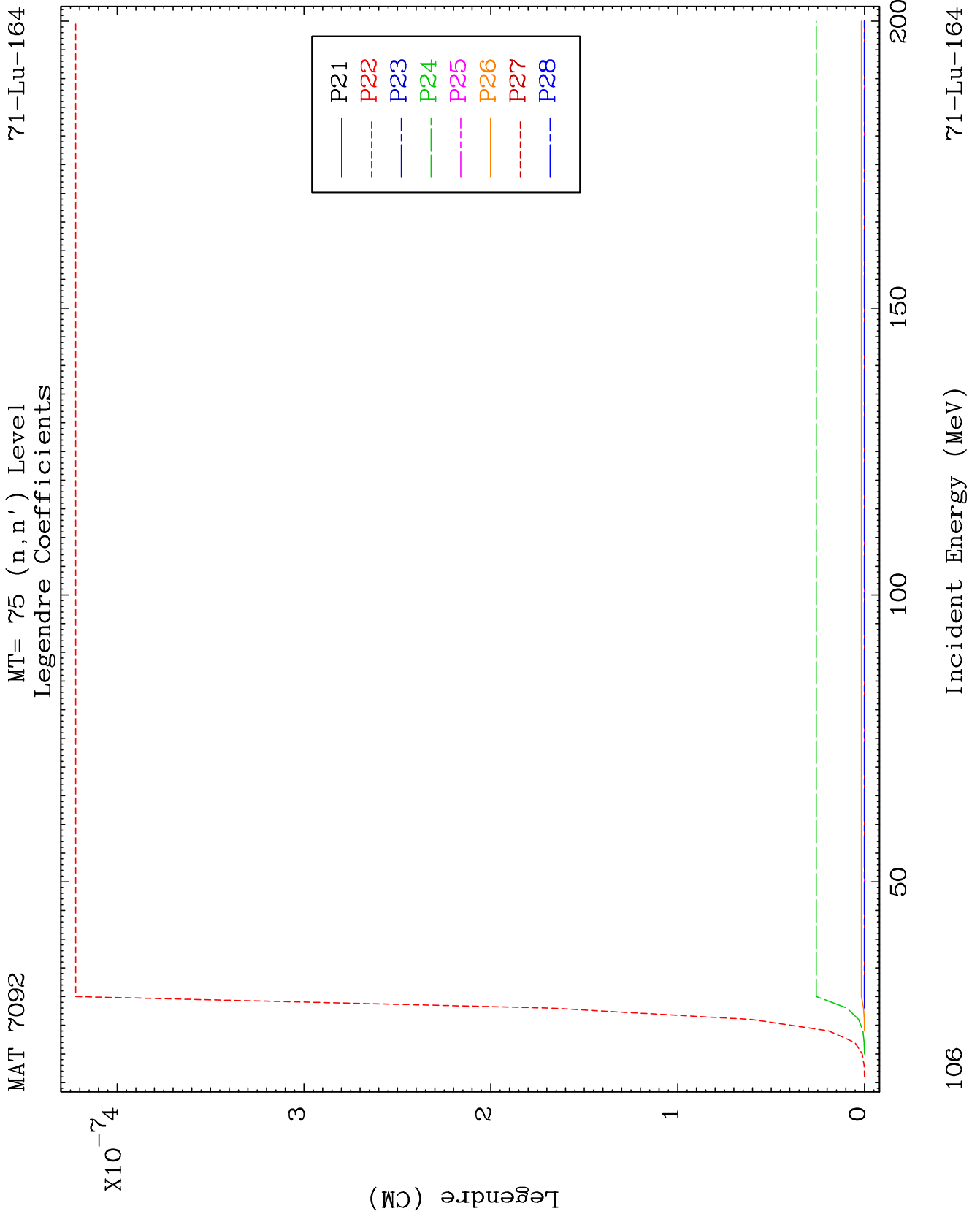


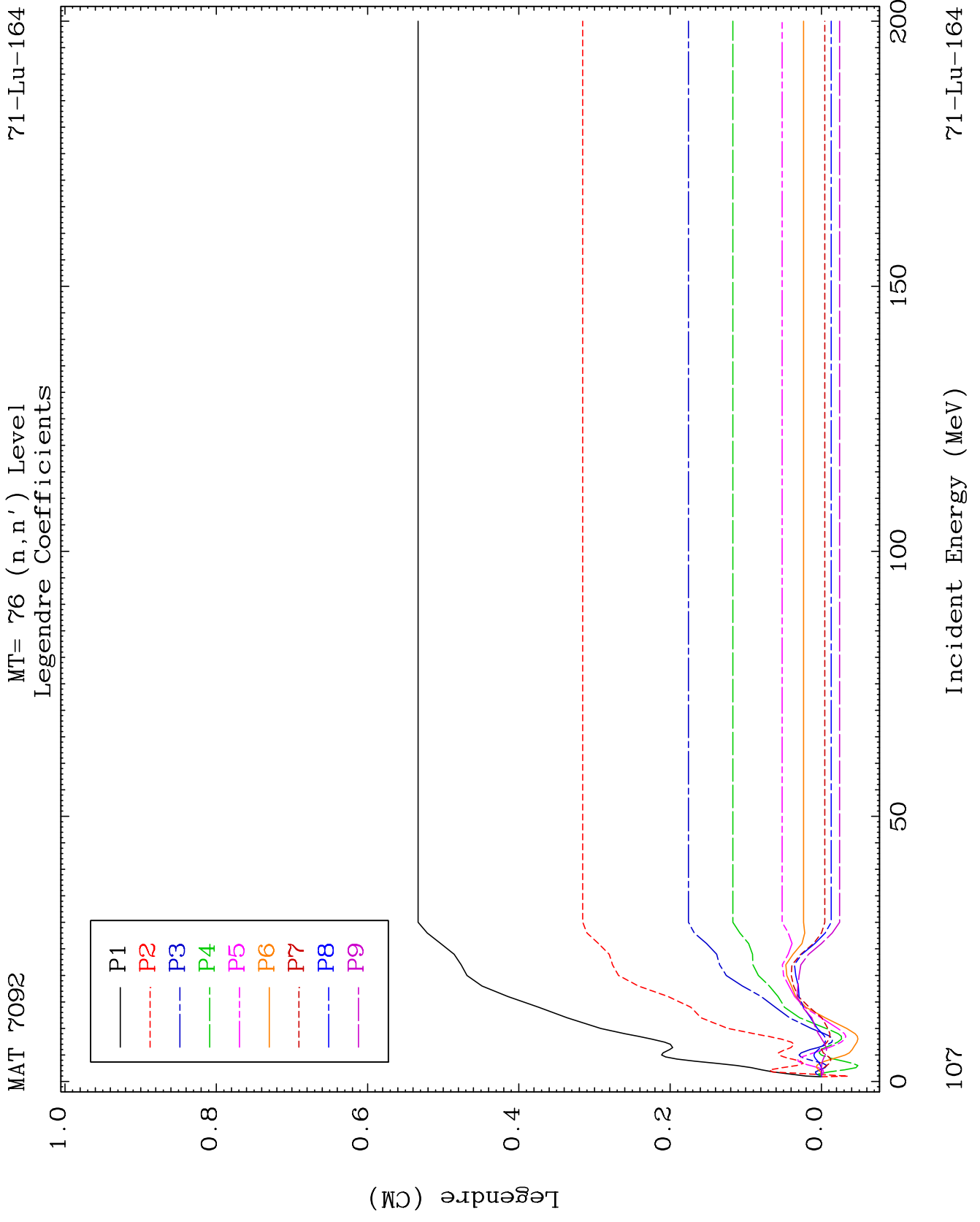


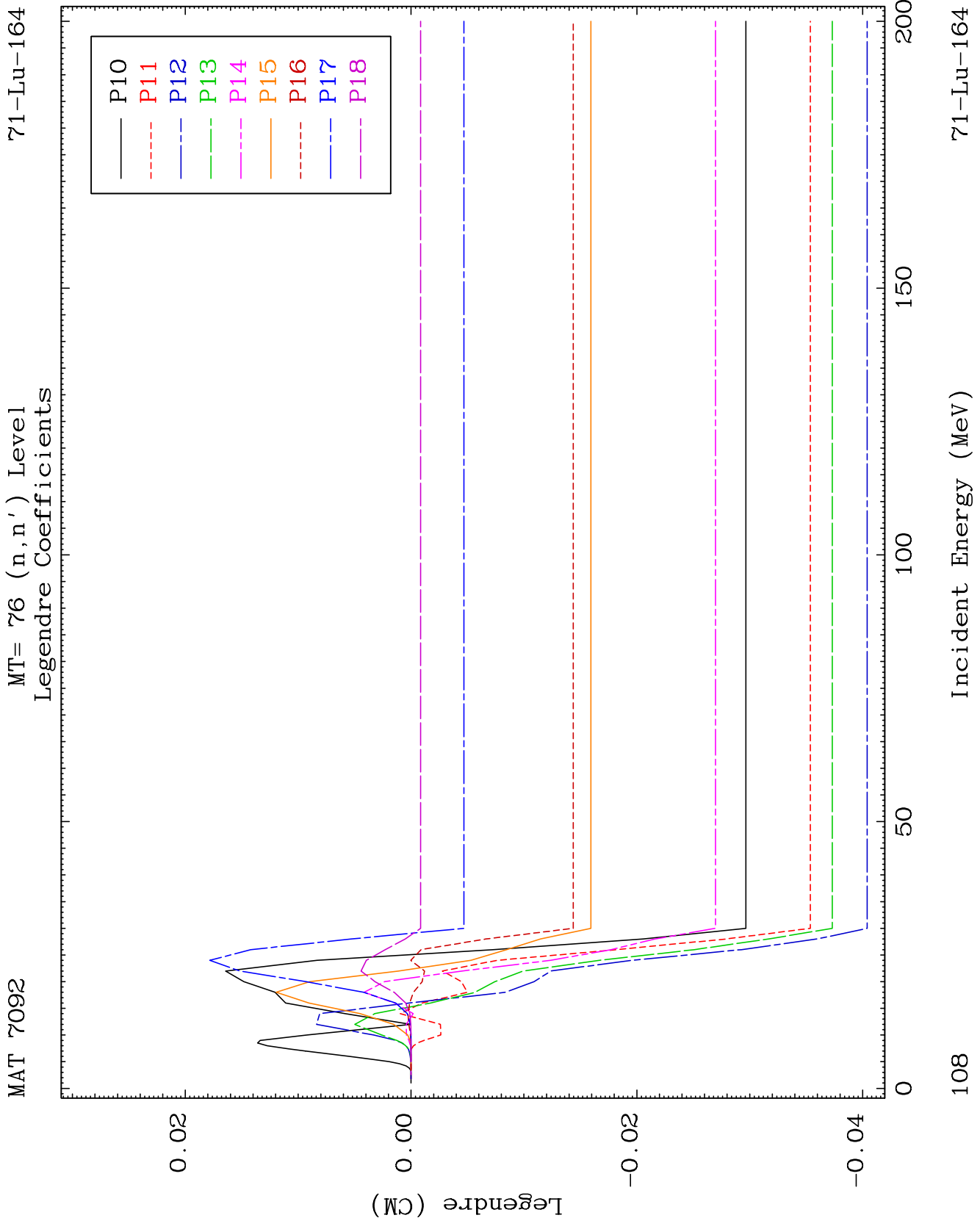








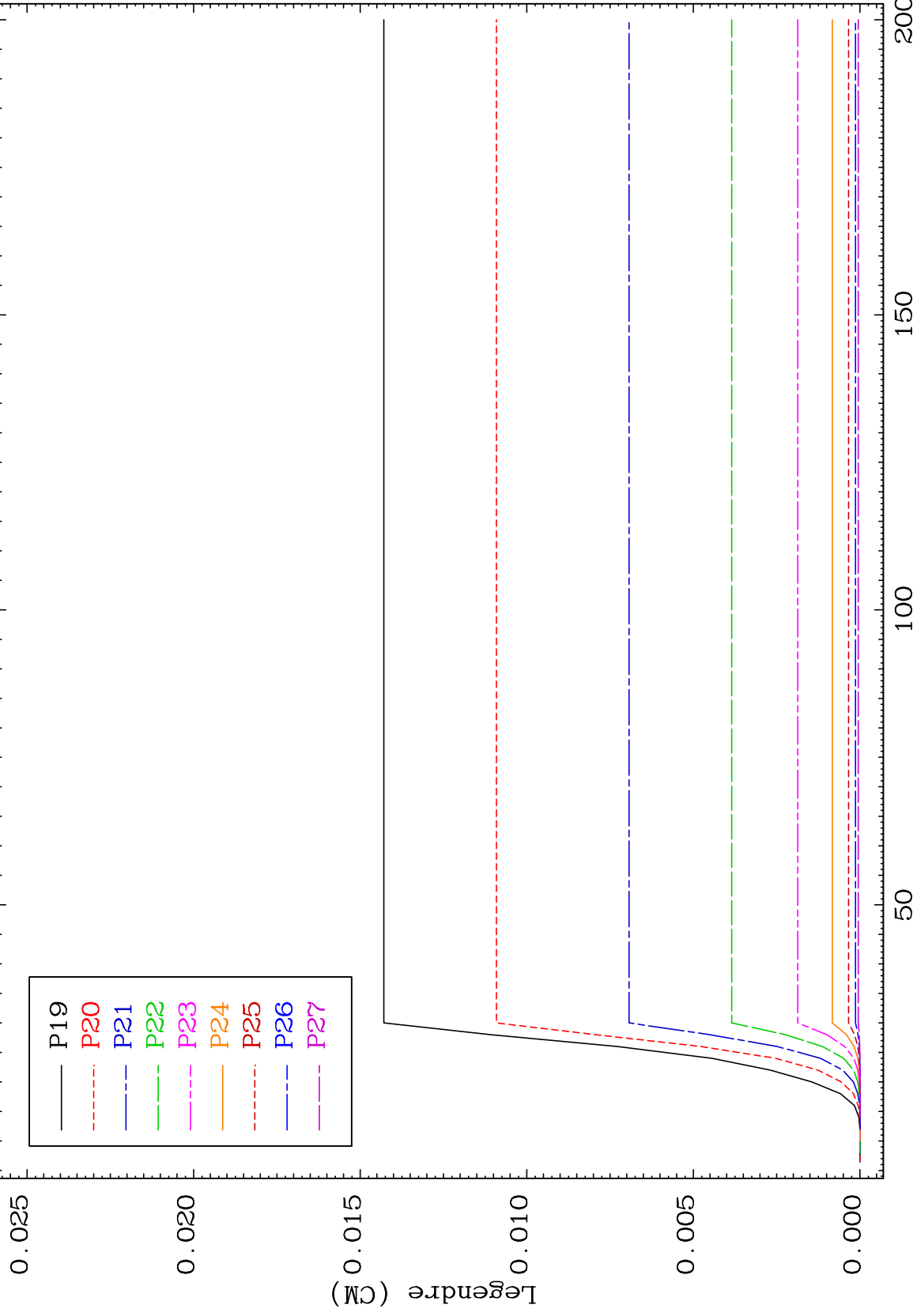




MAT 7092

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

71-Lu-164

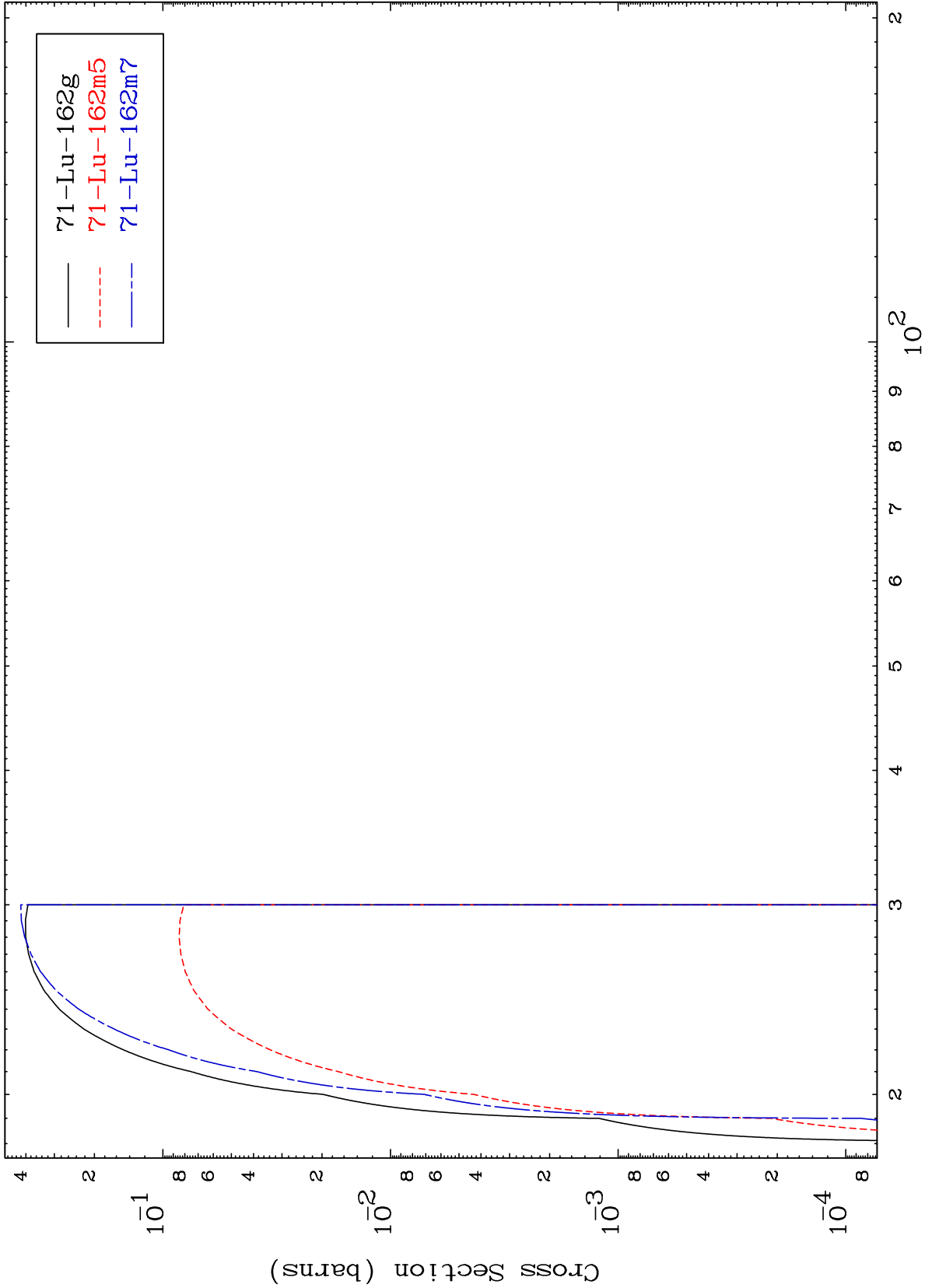


109

Incident Energy (MeV)

71-Lu-164

Radionuclide Production Cross Section

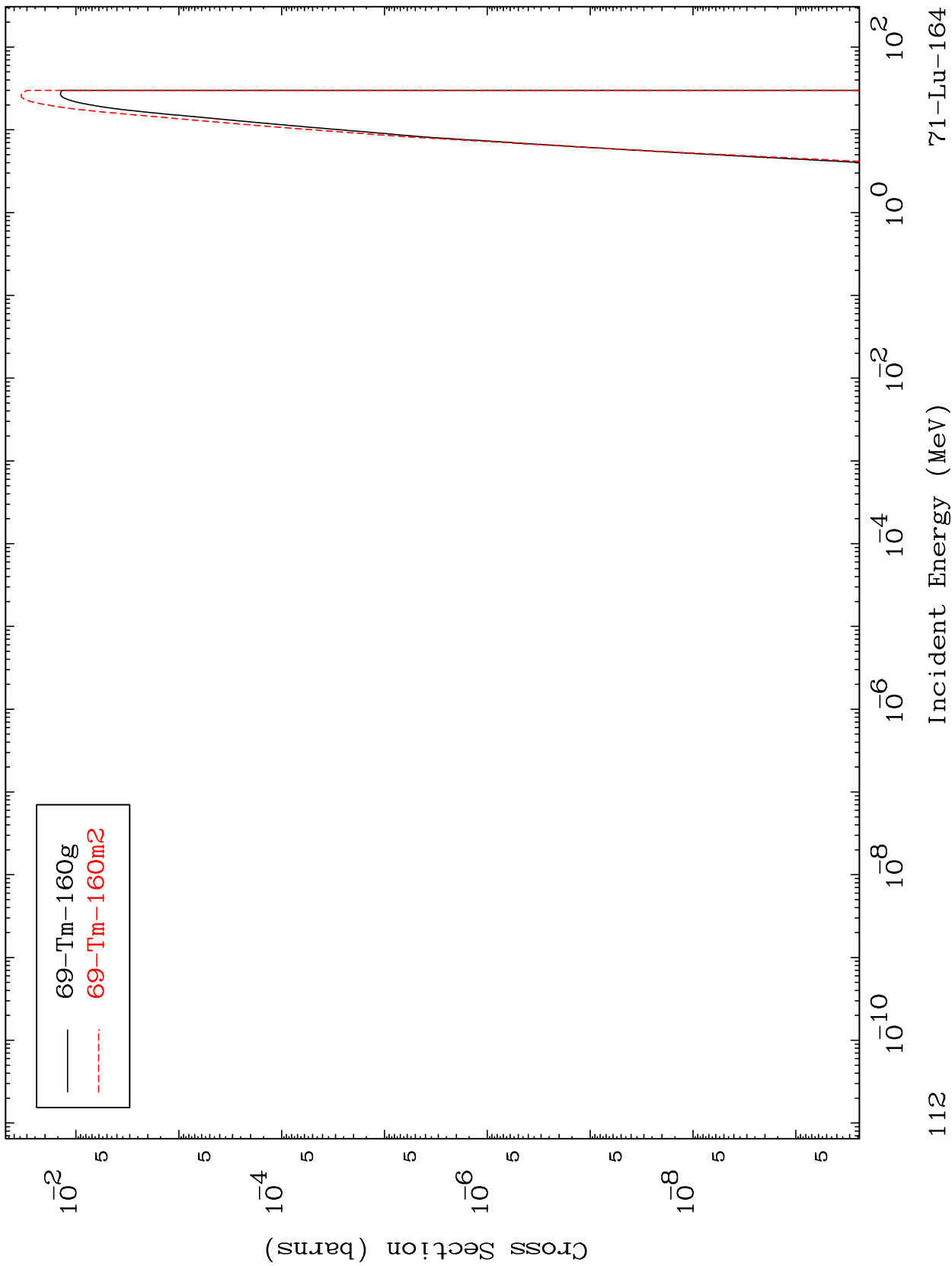


MAT 7092

(n, n') α

71-Lu-164

Radionuclide Production Cross Section

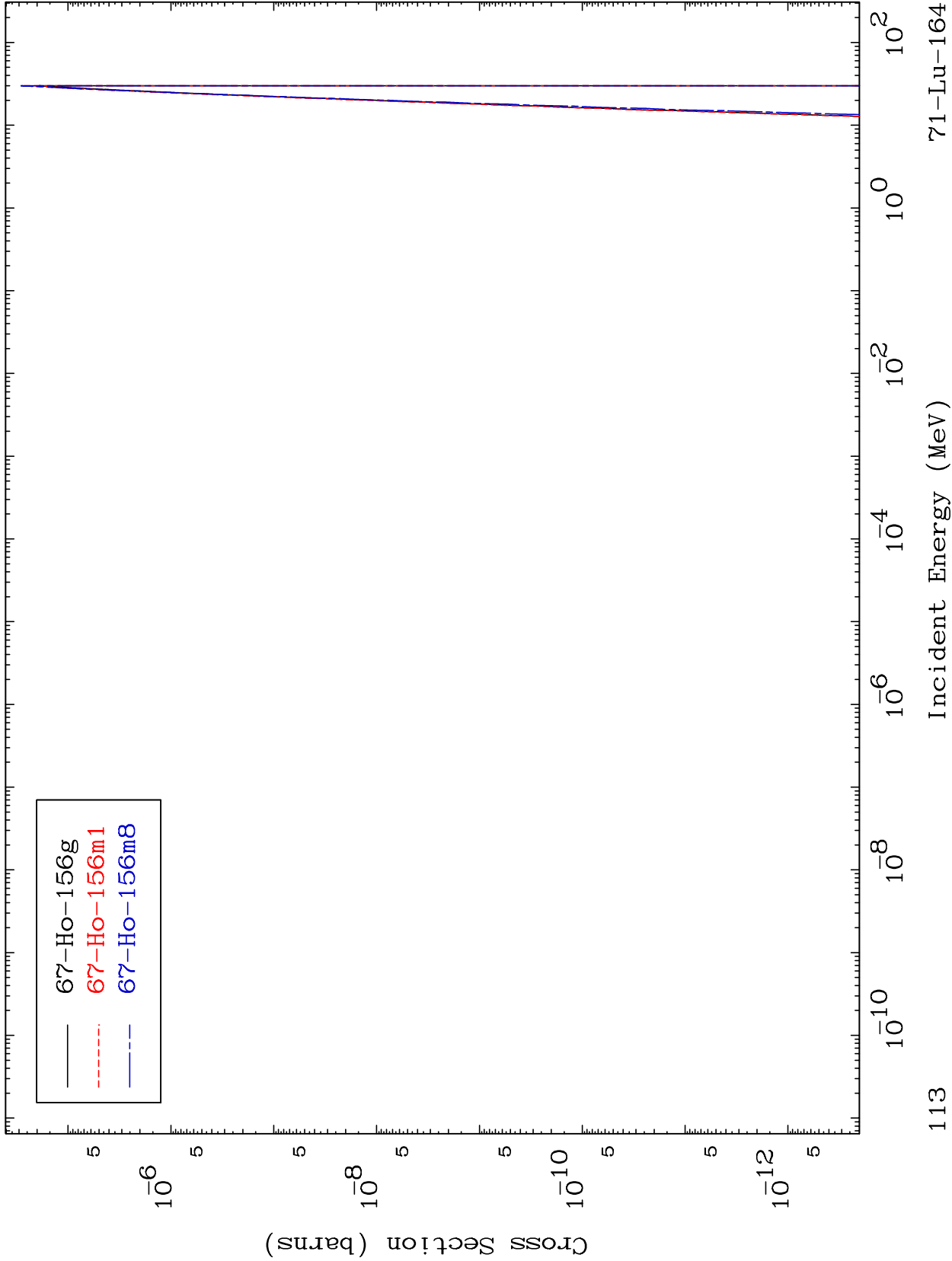


MAT 7092

(n,n') 2 α

71-Lu-164

Radionuclide Production Cross Section



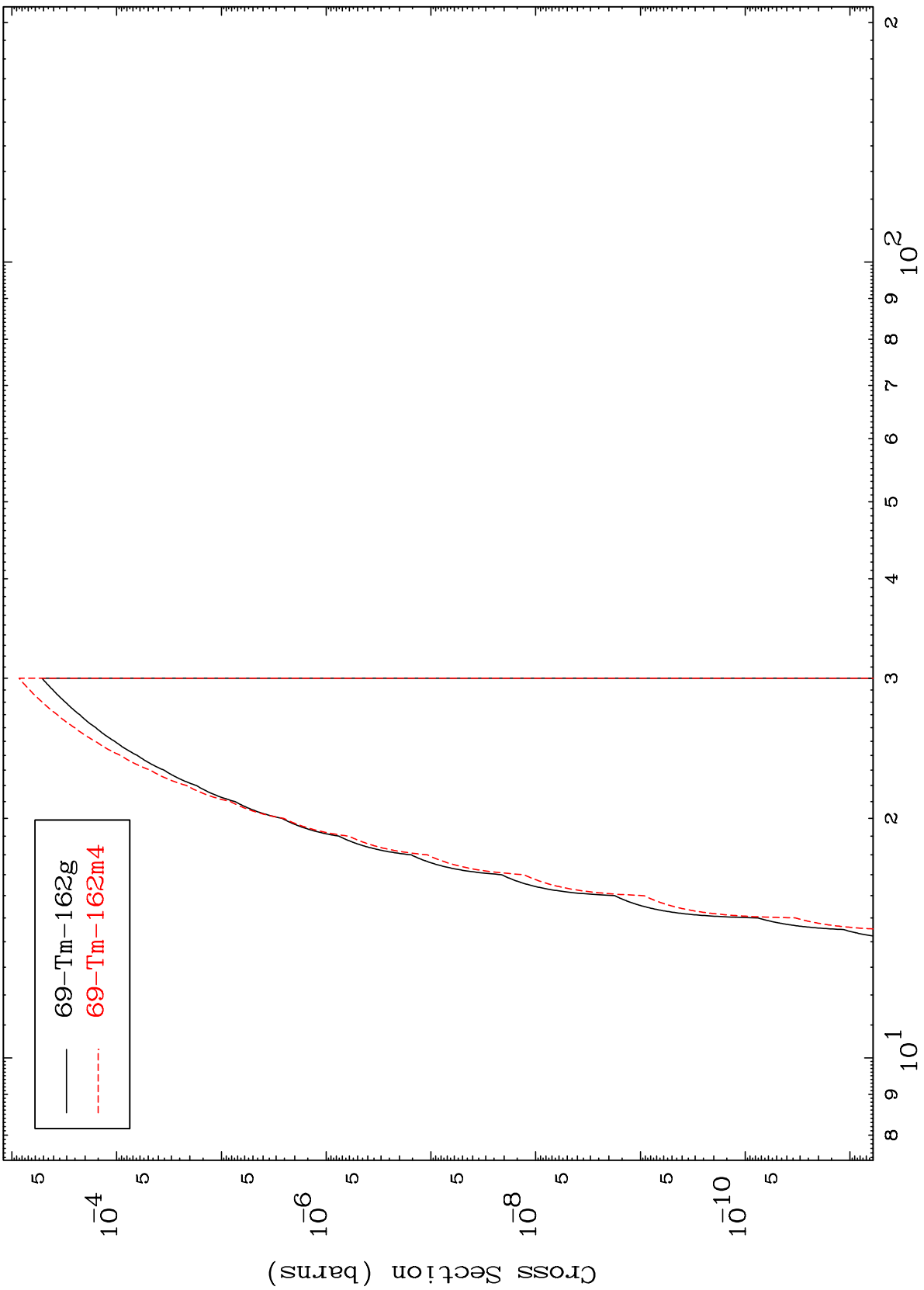
67-Ho-156g
67-Ho-156m1
67-Ho-156m8

MAT 7092

(n,2n) p

71-Lu-164

Radionuclide Production Cross Section



114

Incident Energy (MeV)

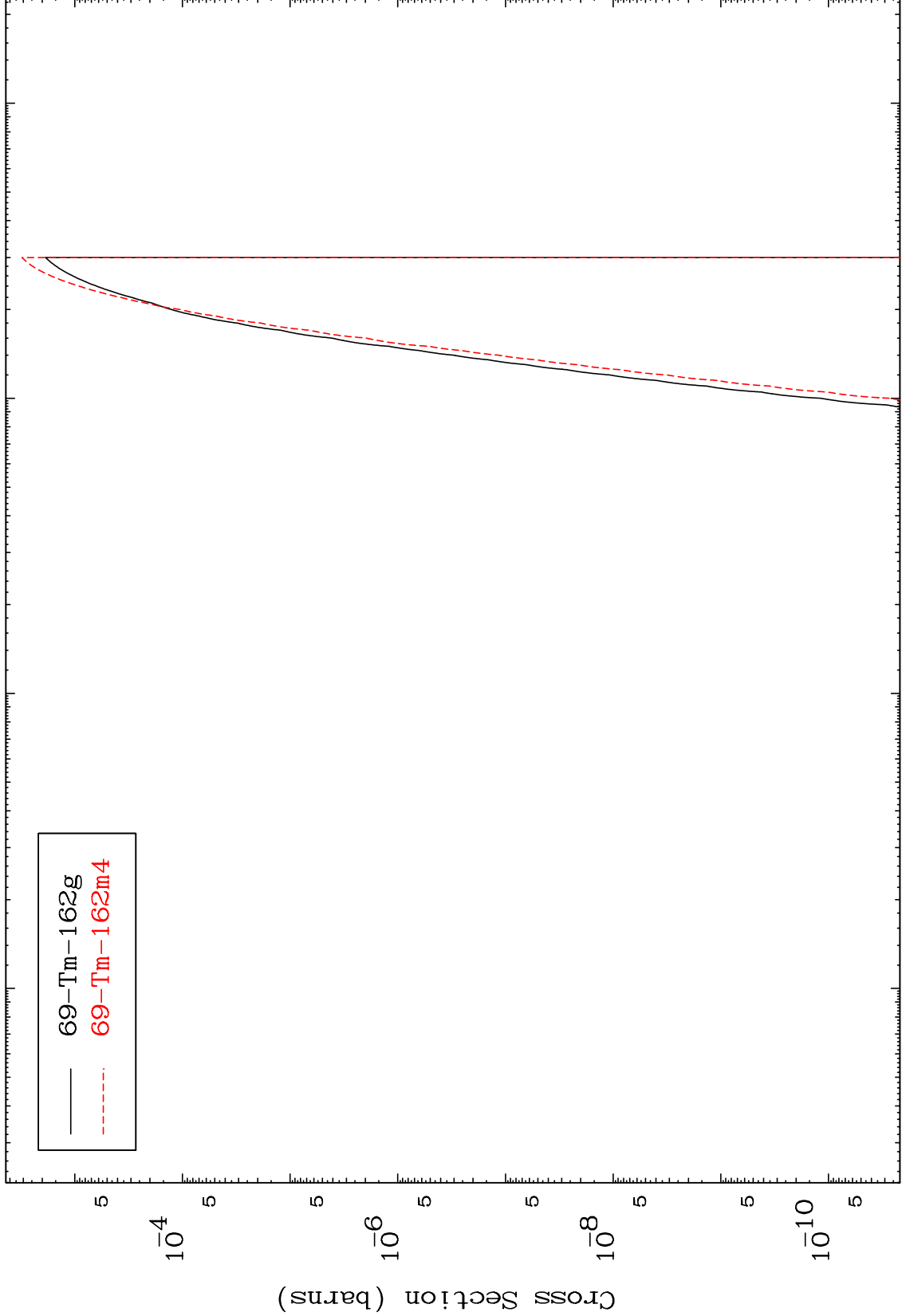
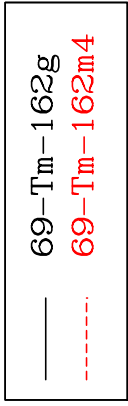
71-Lu-164

MAT 7092

(n,He-3)

71-Lu-164

Radionuclide Production Cross Section



5 10⁻¹ 5 10⁰ 5 10¹ 5 10²

115

Incident Energy (MeV)

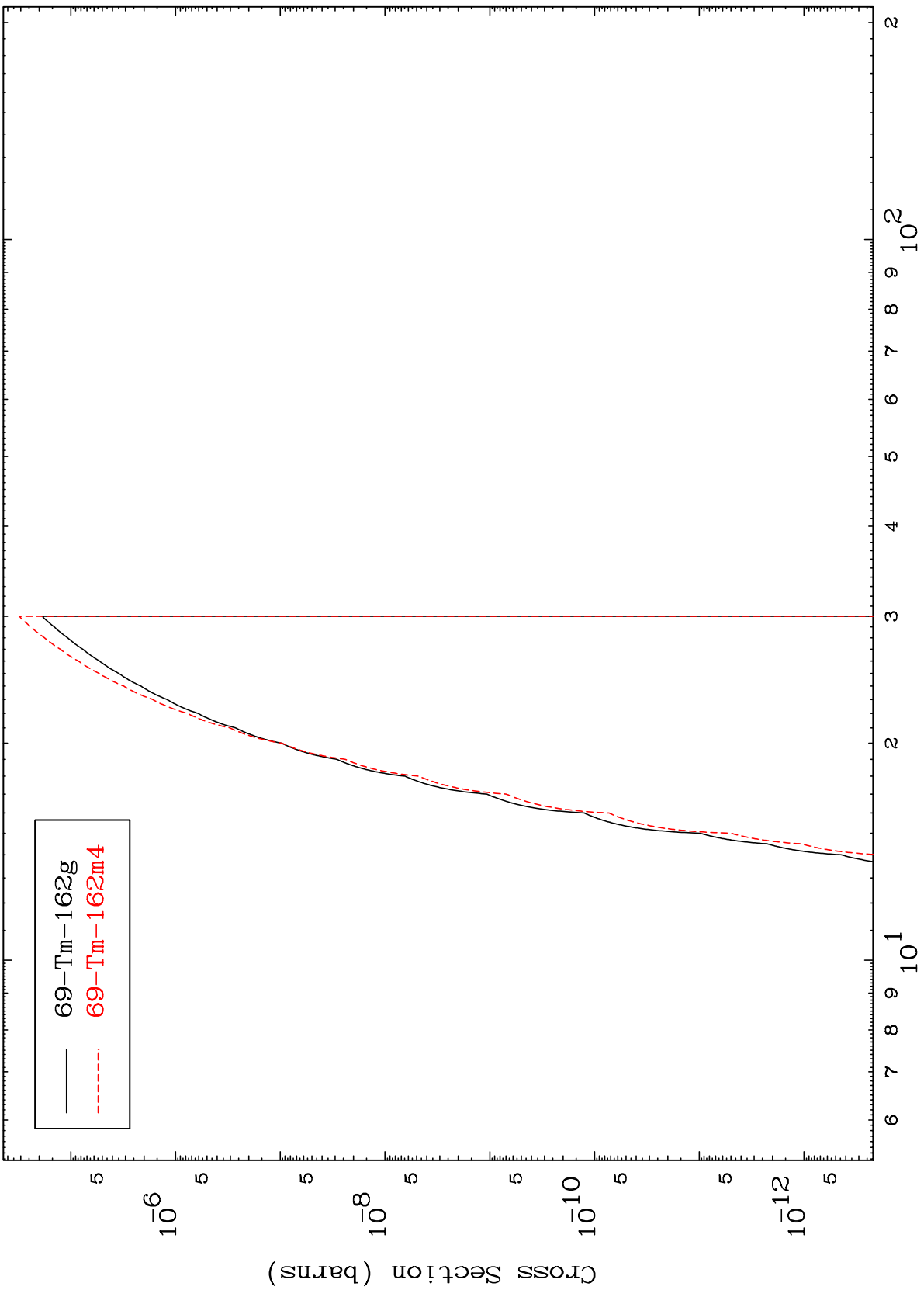
71-Lu-164

MAT 7092

(n,p) d

71-Lu-164

Radionuclide Production Cross Section



69-Tm-162g
69-Tm-162m4

116

Incident Energy (MeV)

71-Lu-164