

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

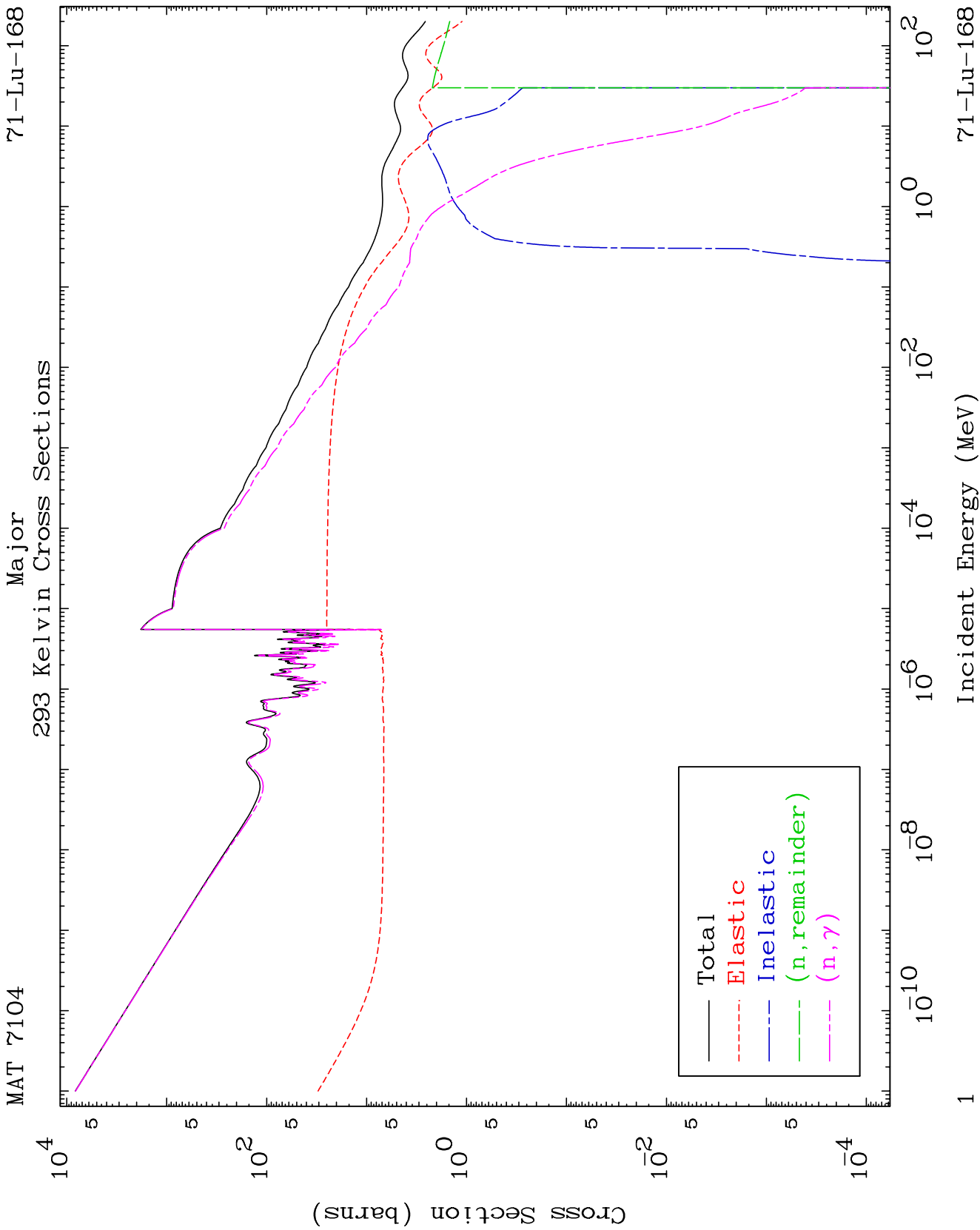
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

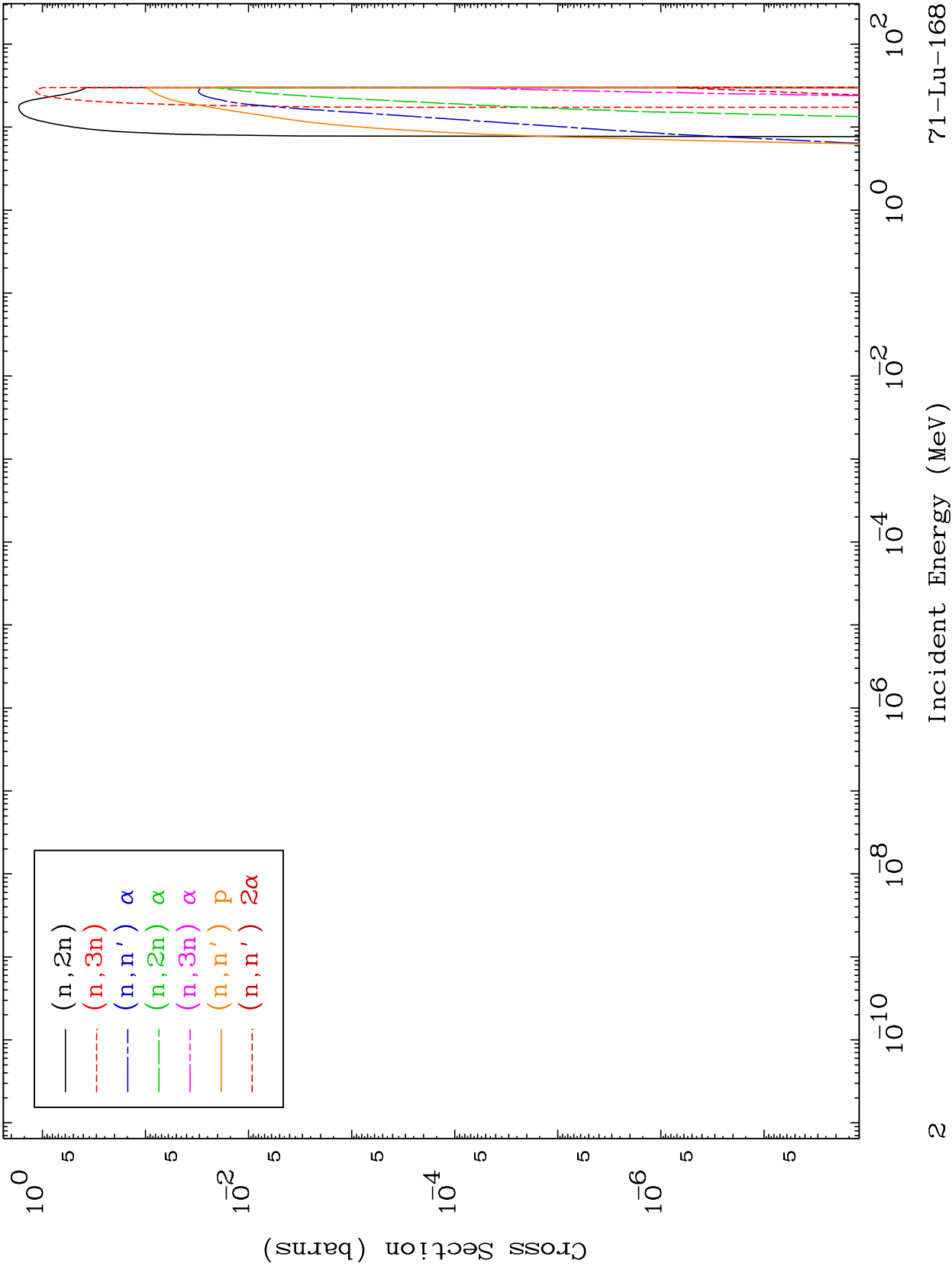
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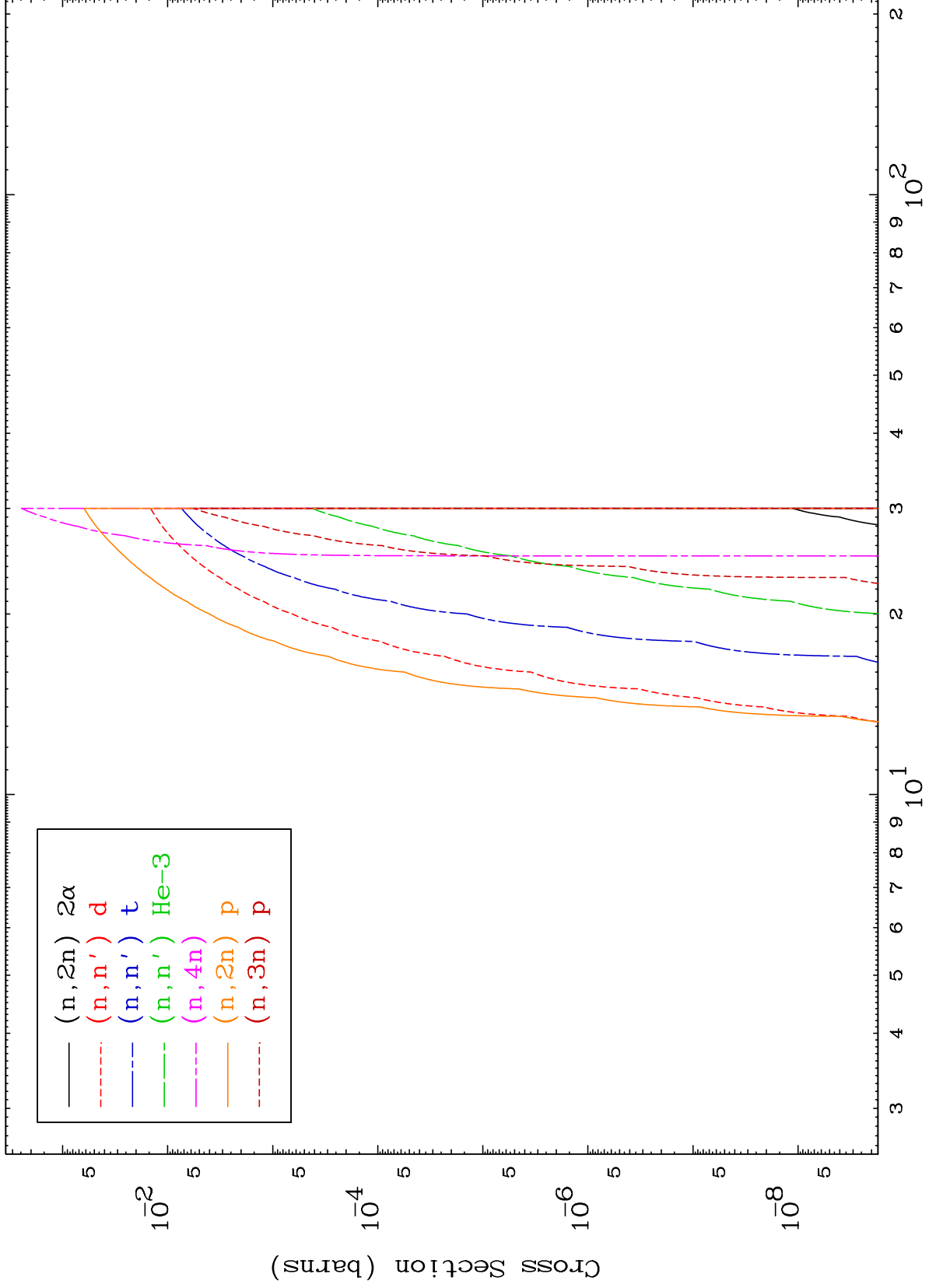


MAT 7104

Neutron Production
293 Kelvin Cross Sections

71-Lu-168

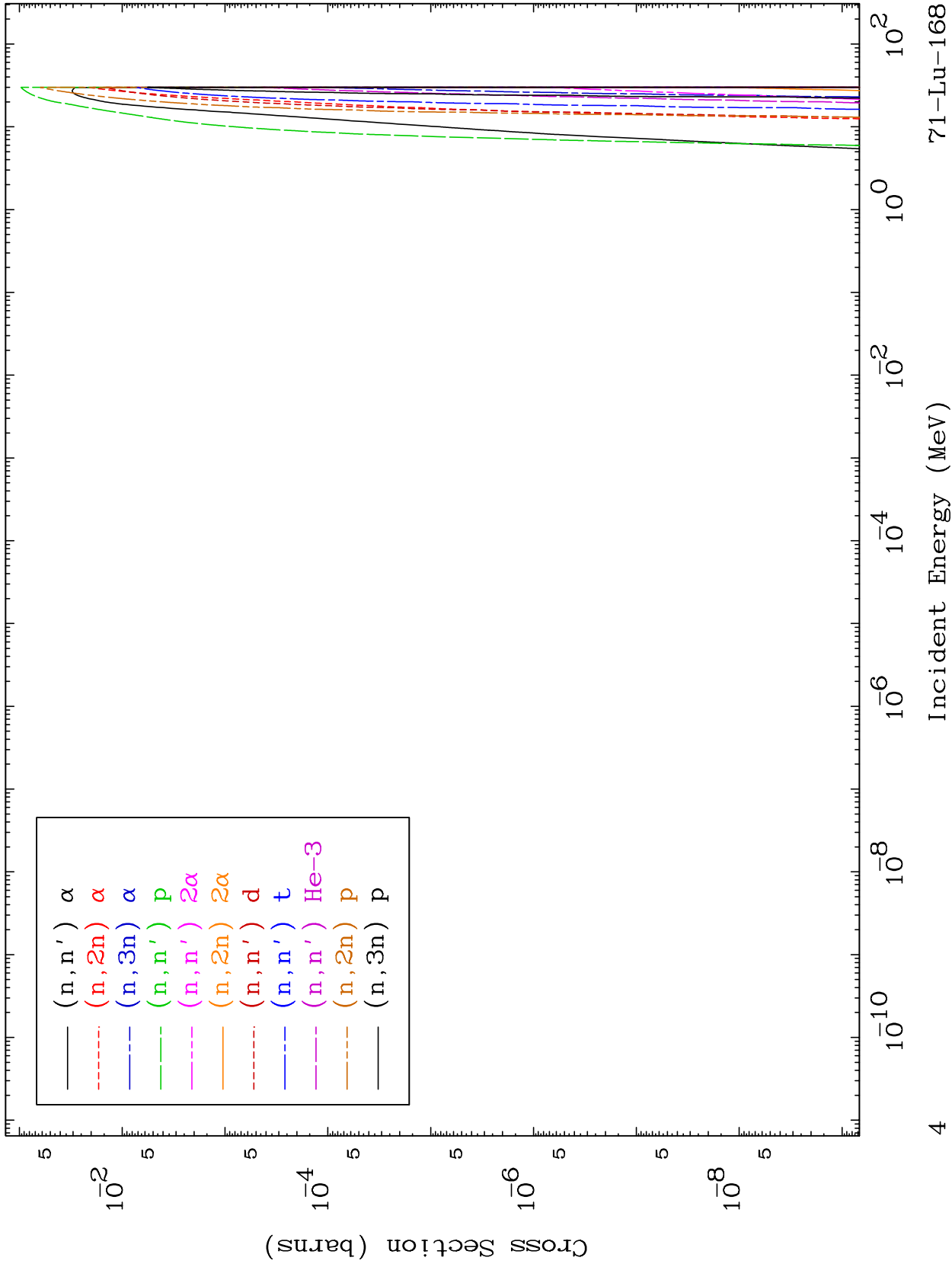




MAT 7104

Charged Particle
293 Kelvin Cross Sections

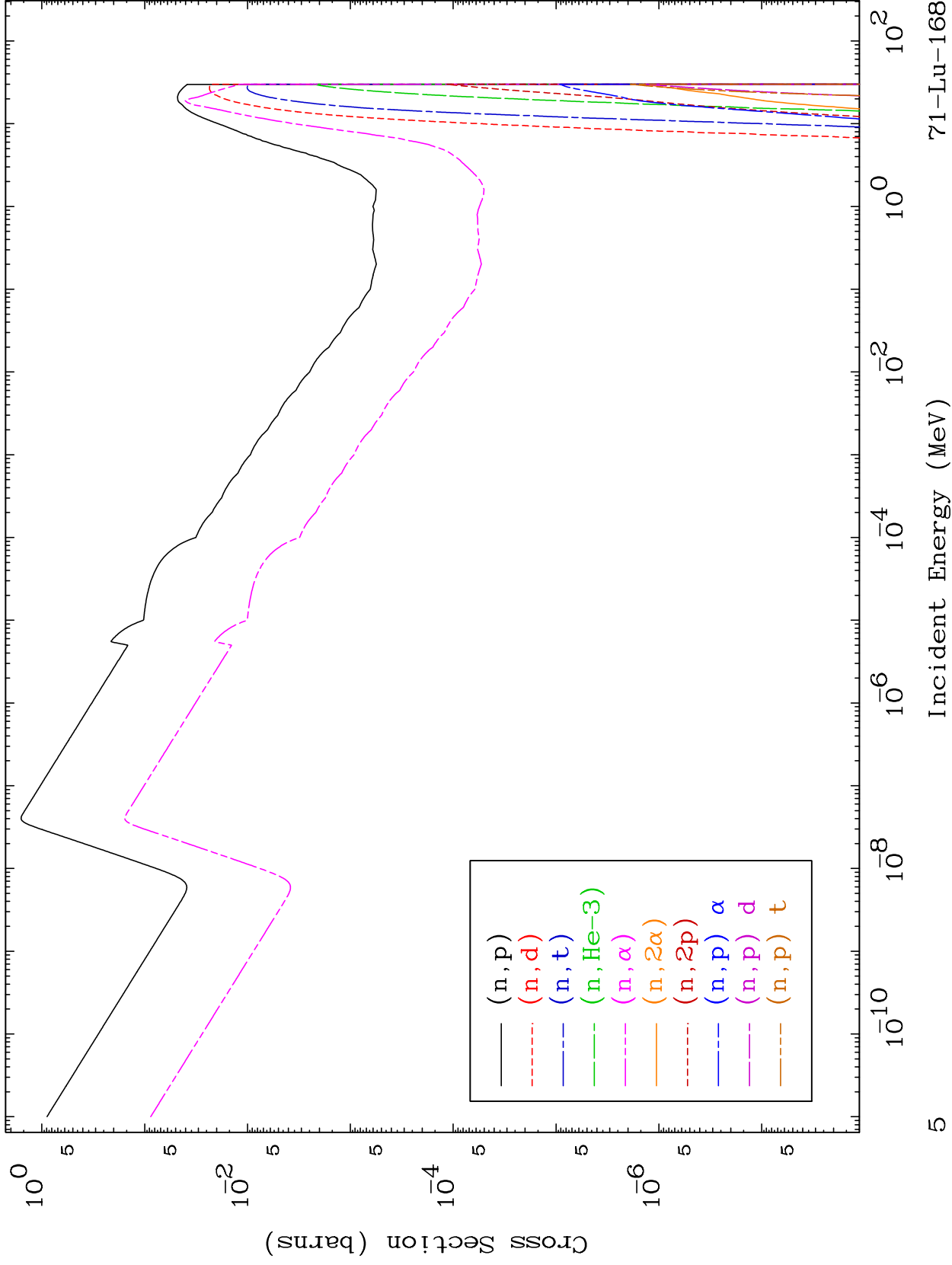
71-Lu-168



MAT 7104

Charged Particle
293 Kelvin Cross Sections

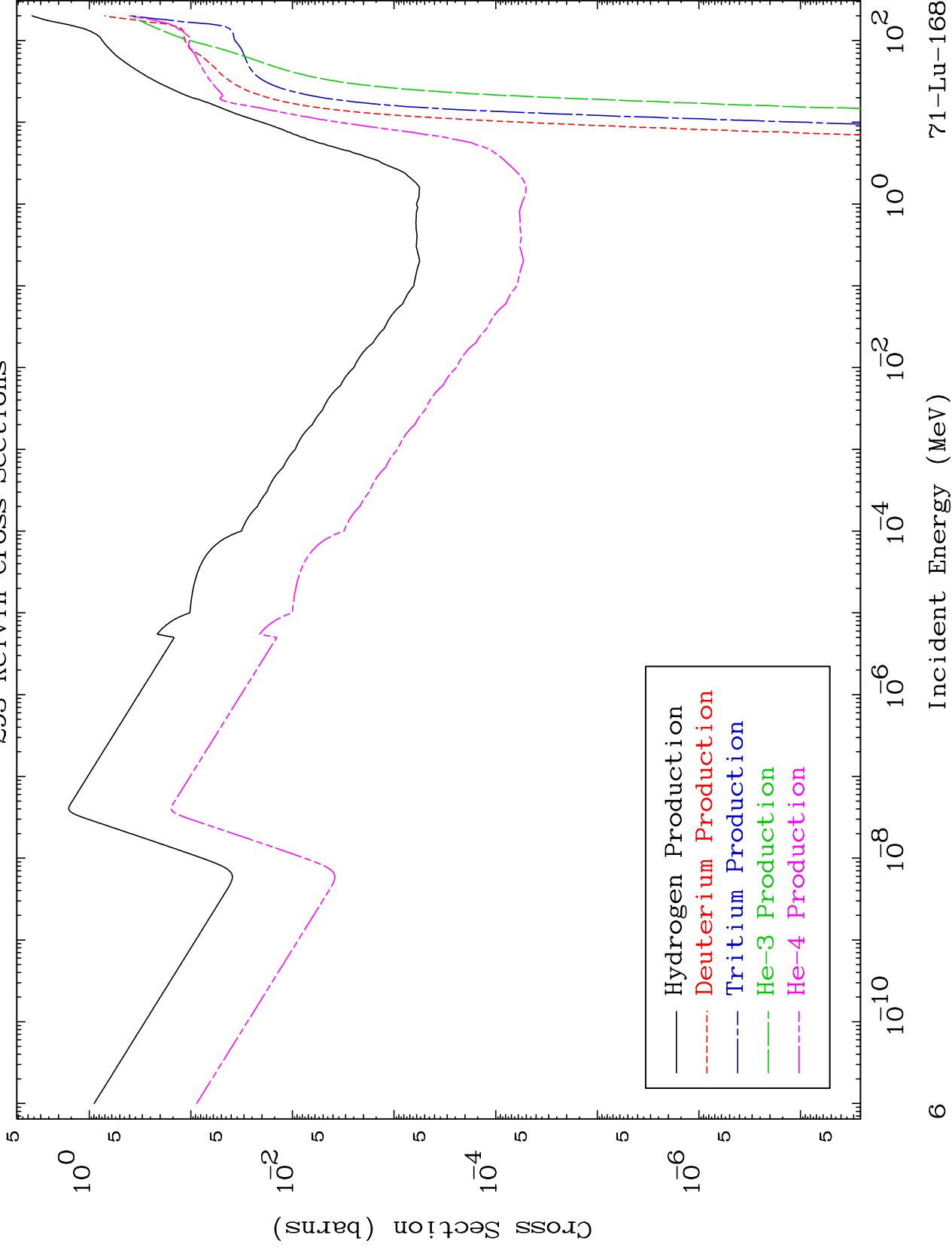
71-Lu-168



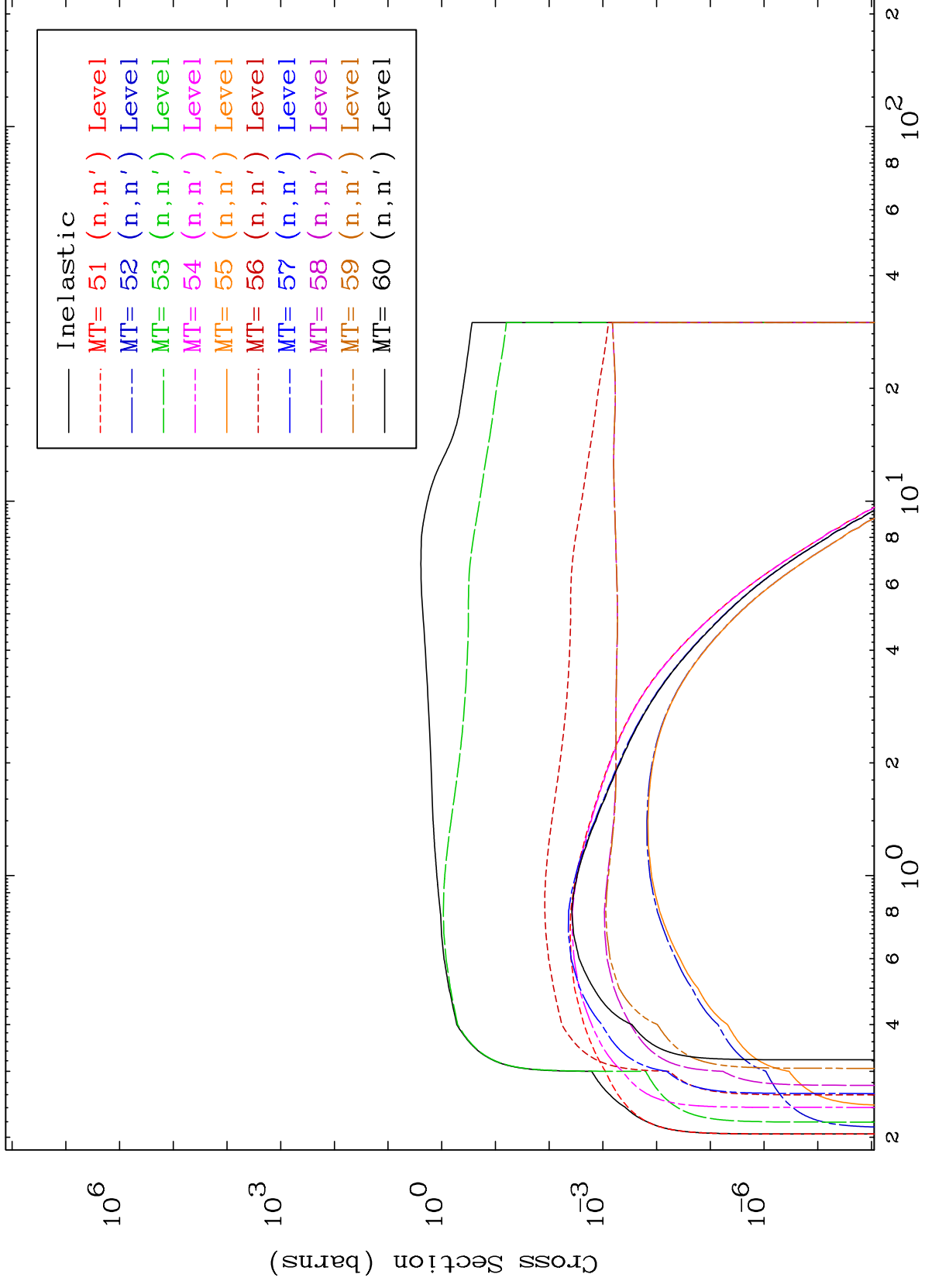
MAT 7104

Particle Production
293 Kelvin Cross Sections

71-Lu-168



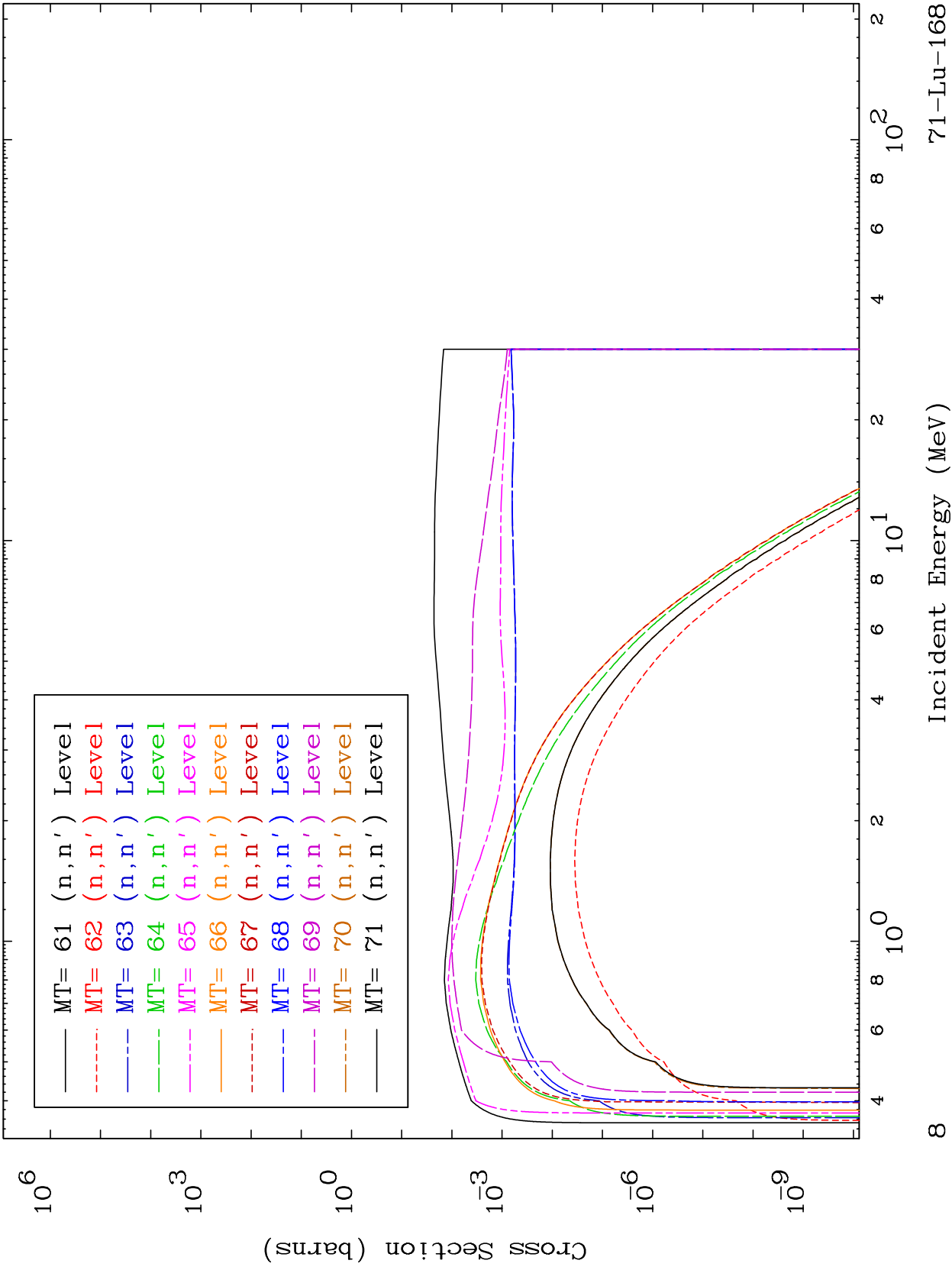
293 Kelvin Cross Sections



MAT 7104

(n,n') Level
293 Kelvin Cross Sections

71-Lu-168

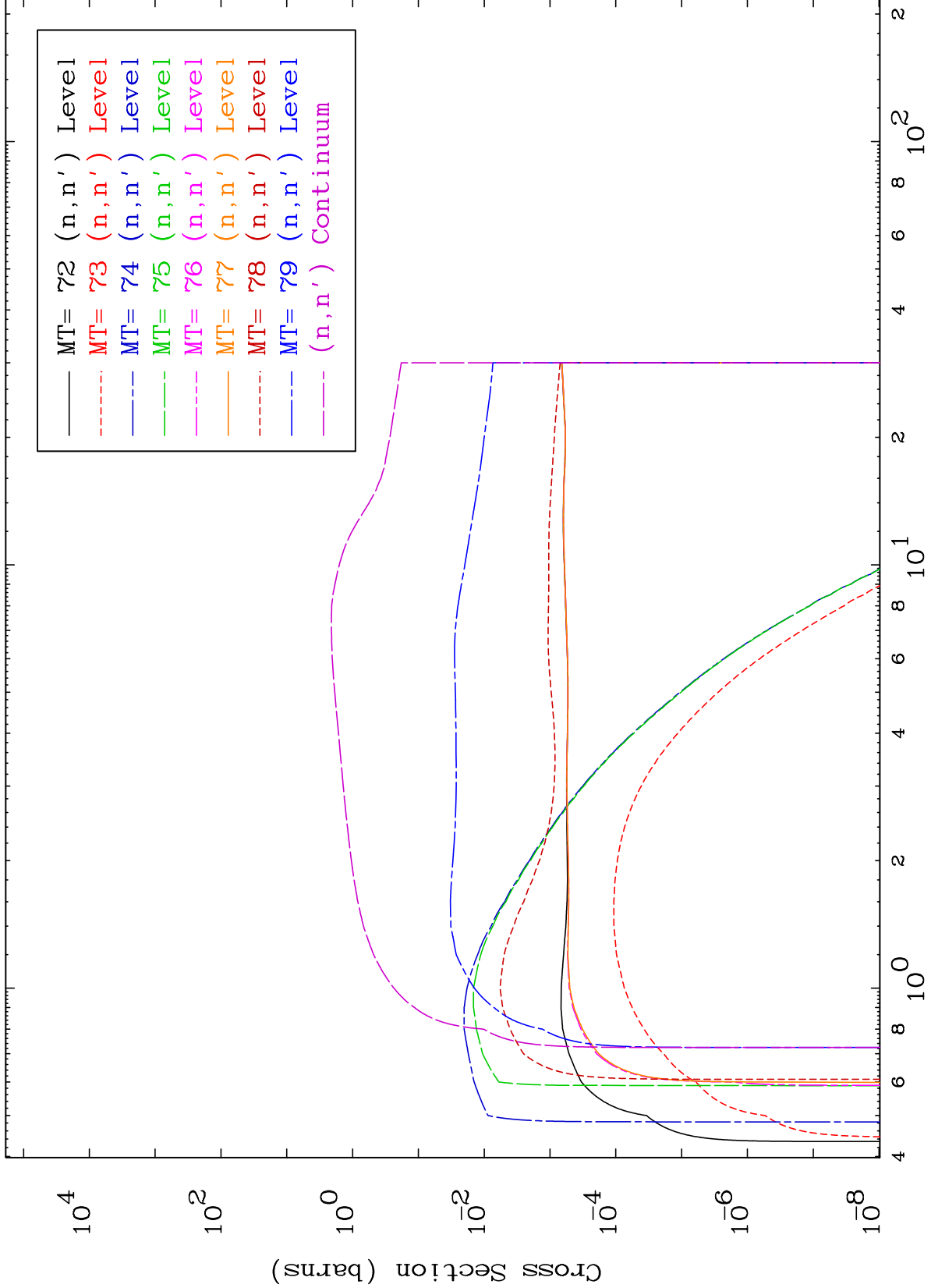


MAT 7104

(n,n') Level

71-Lu-168

293 Kelvin Cross Sections



9

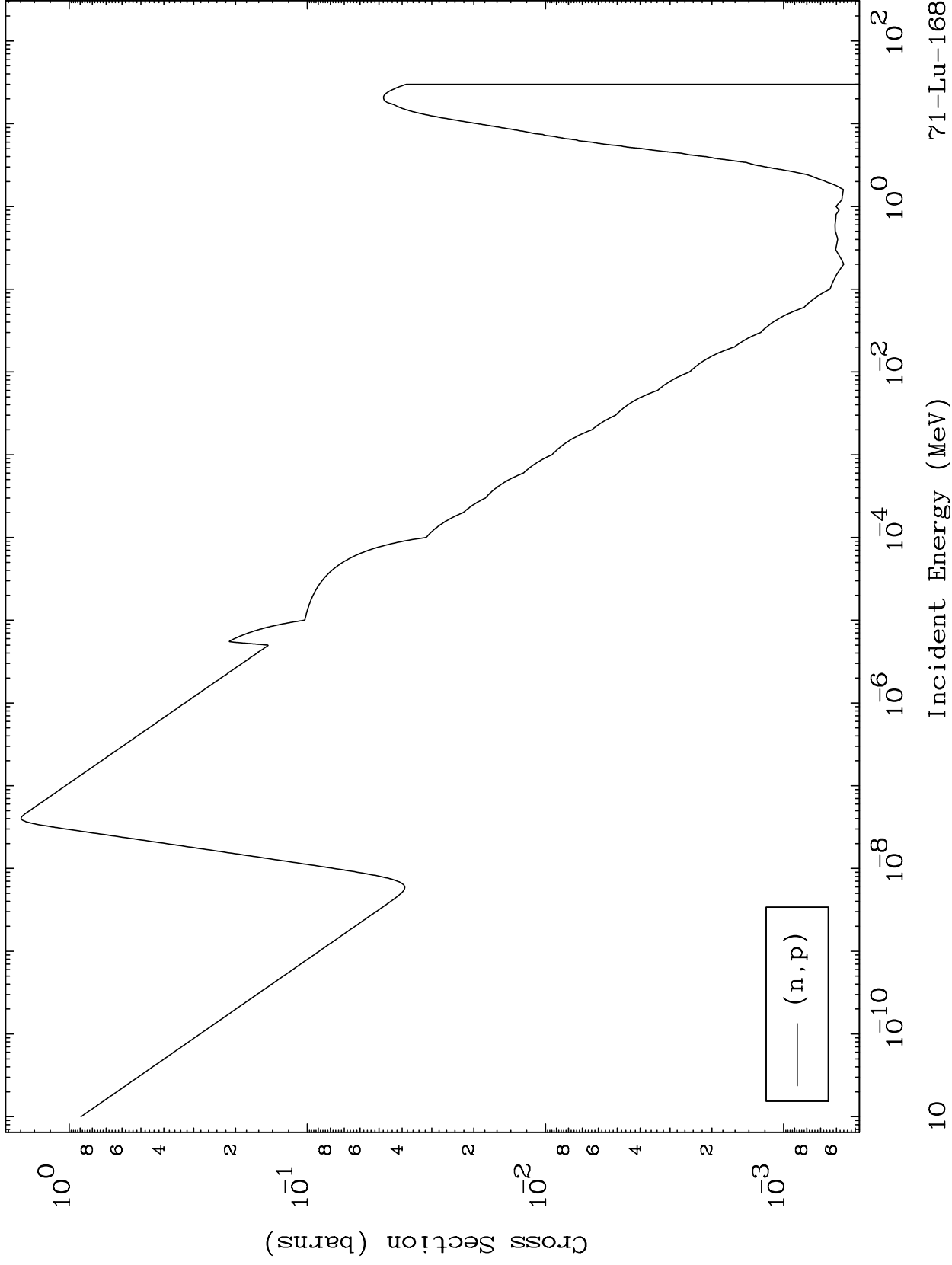
Incident Energy (MeV)

71-Lu-168

MAT 7104

(n,p) Levels
293 Kelvin Cross Sections

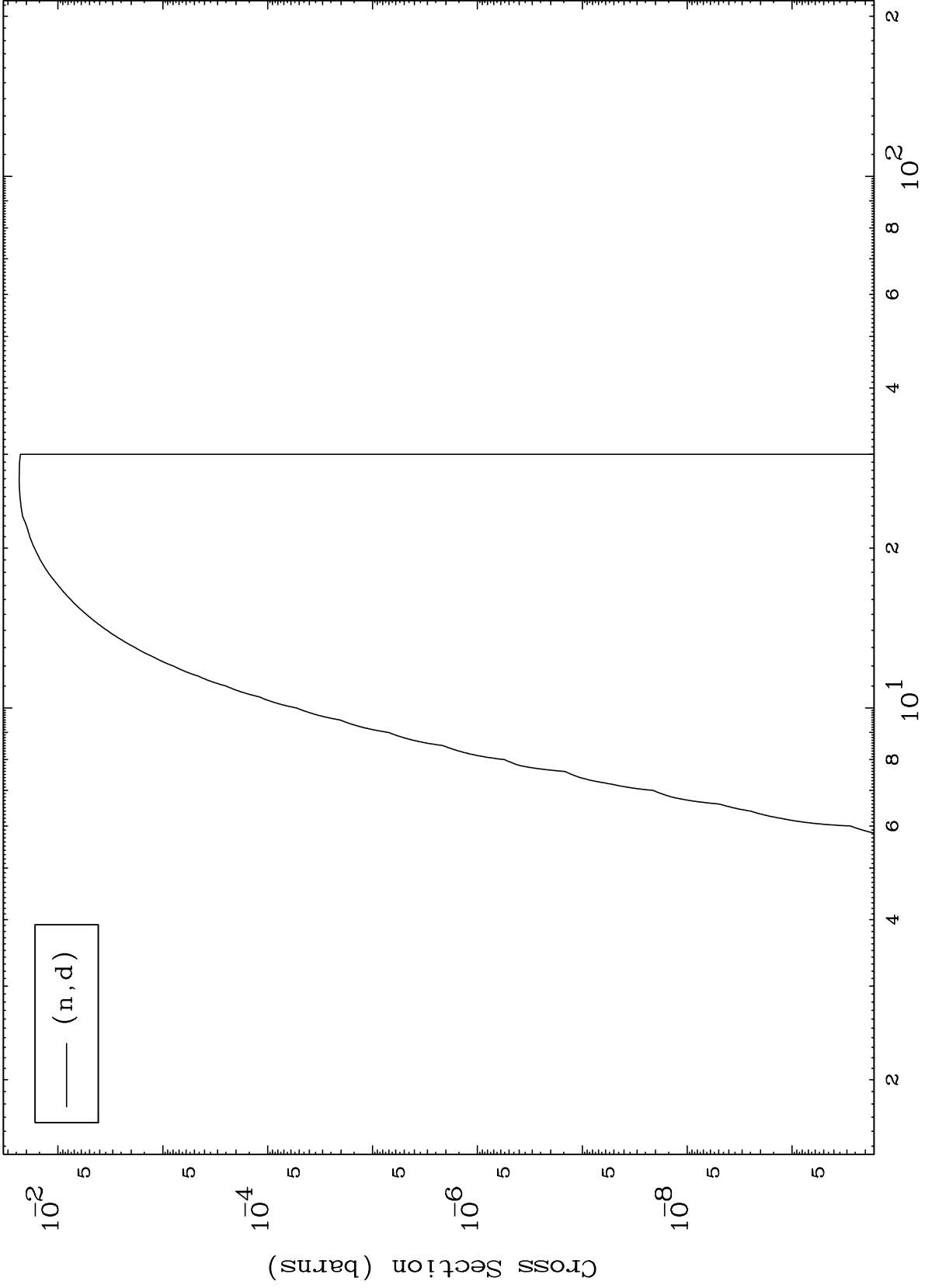
71-Lu-168



MAT 7104

(n,d) Levels
293 Kelvin Cross Sections

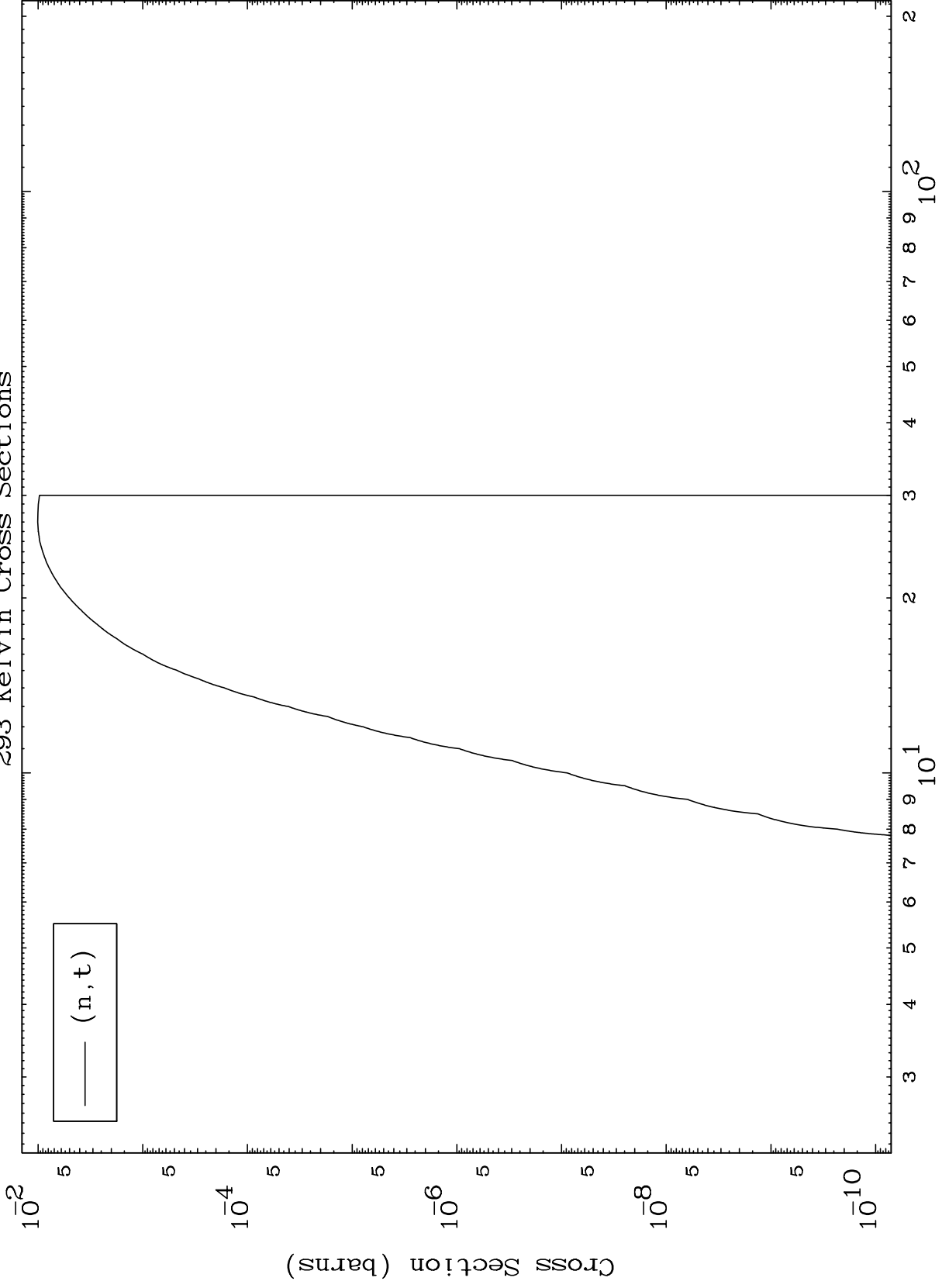
71-Lu-168



MAT 7104

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-168



12

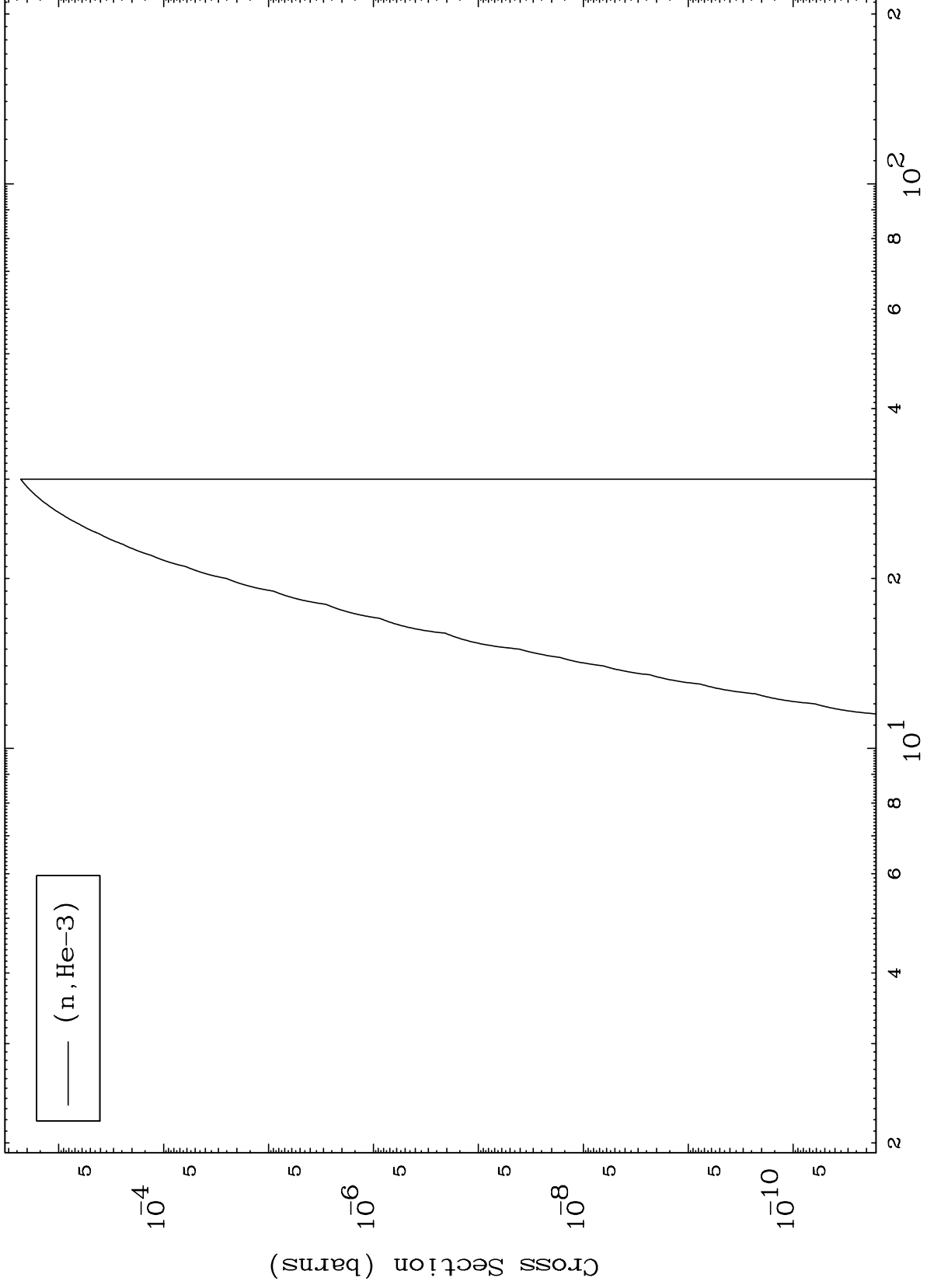
Incident Energy (MeV)

71-Lu-168

MAT 7104

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-168



13

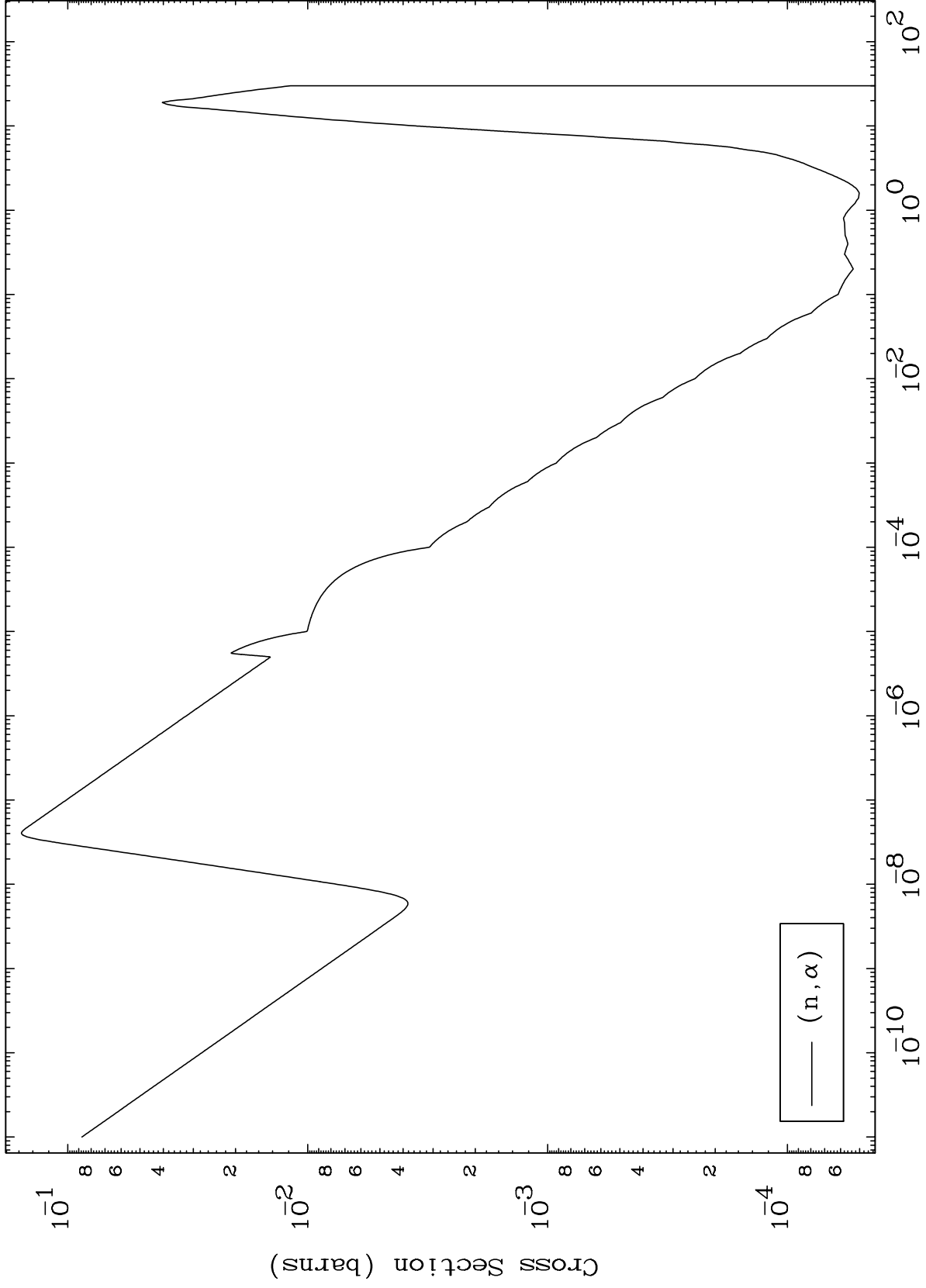
Incident Energy (MeV)

71-Lu-168

MAT 7104

(n, α) Levels
293 Kelvin Cross Sections

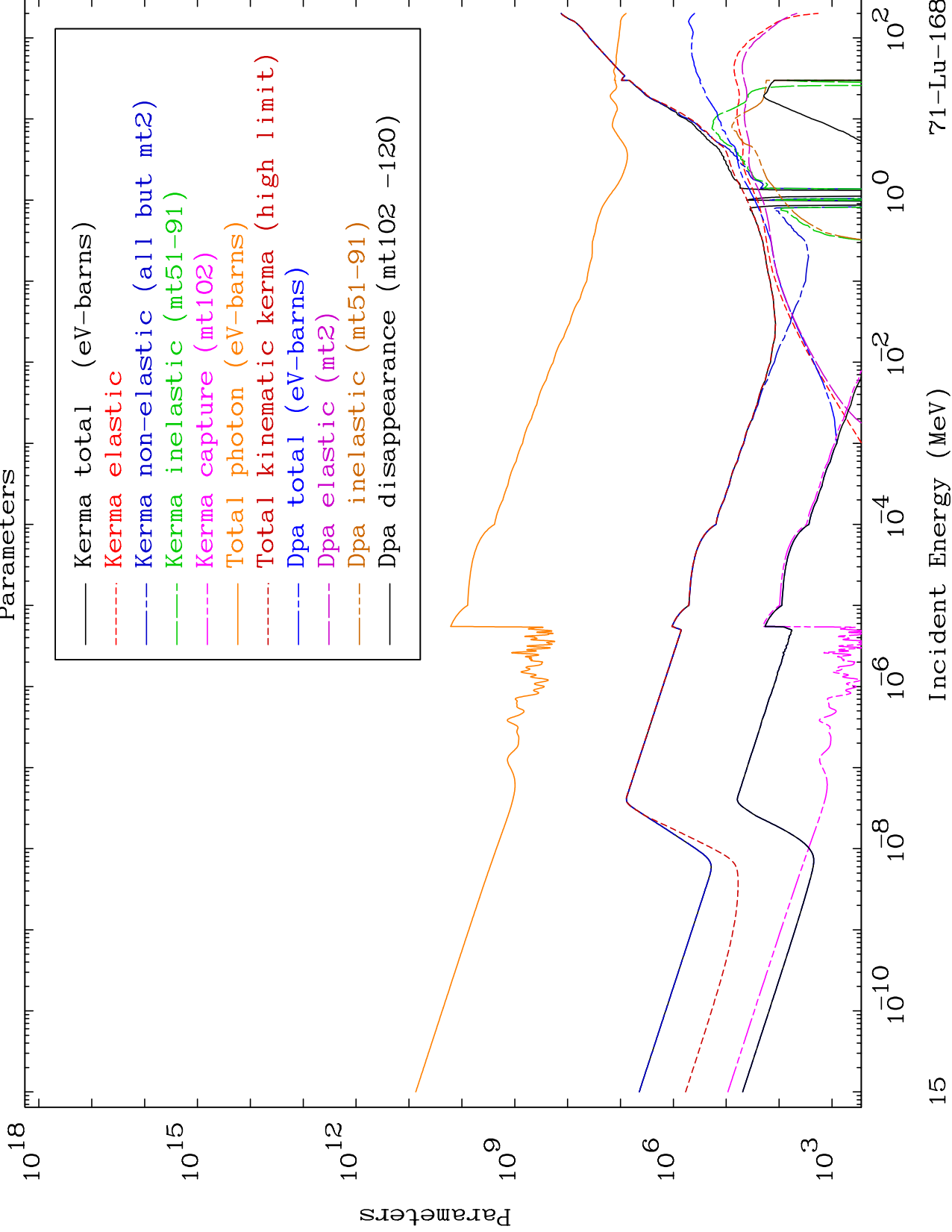
71-Lu-168



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Incident Energy (MeV)

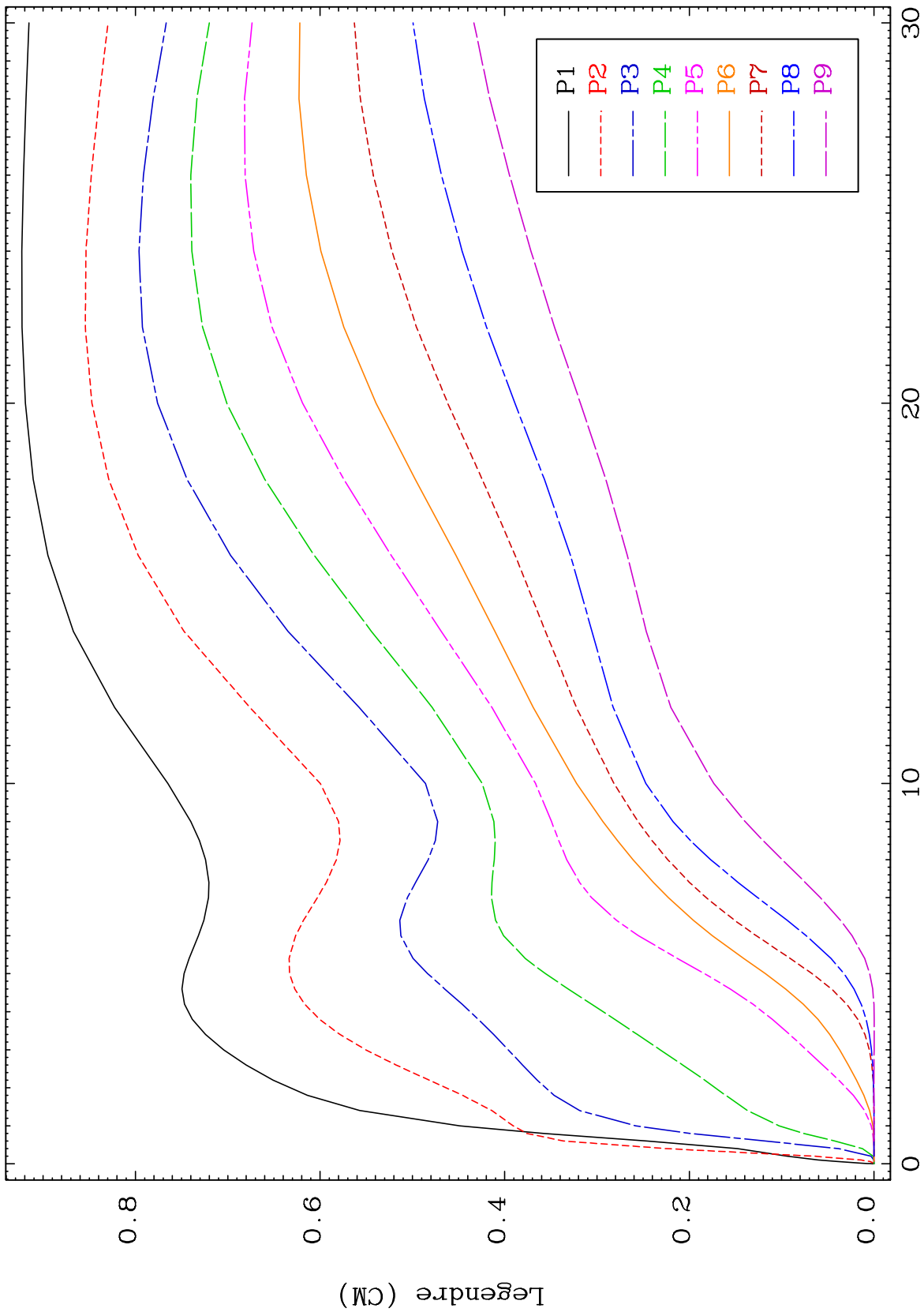
71-Lu-168



MAT 7104

71-Lu-168

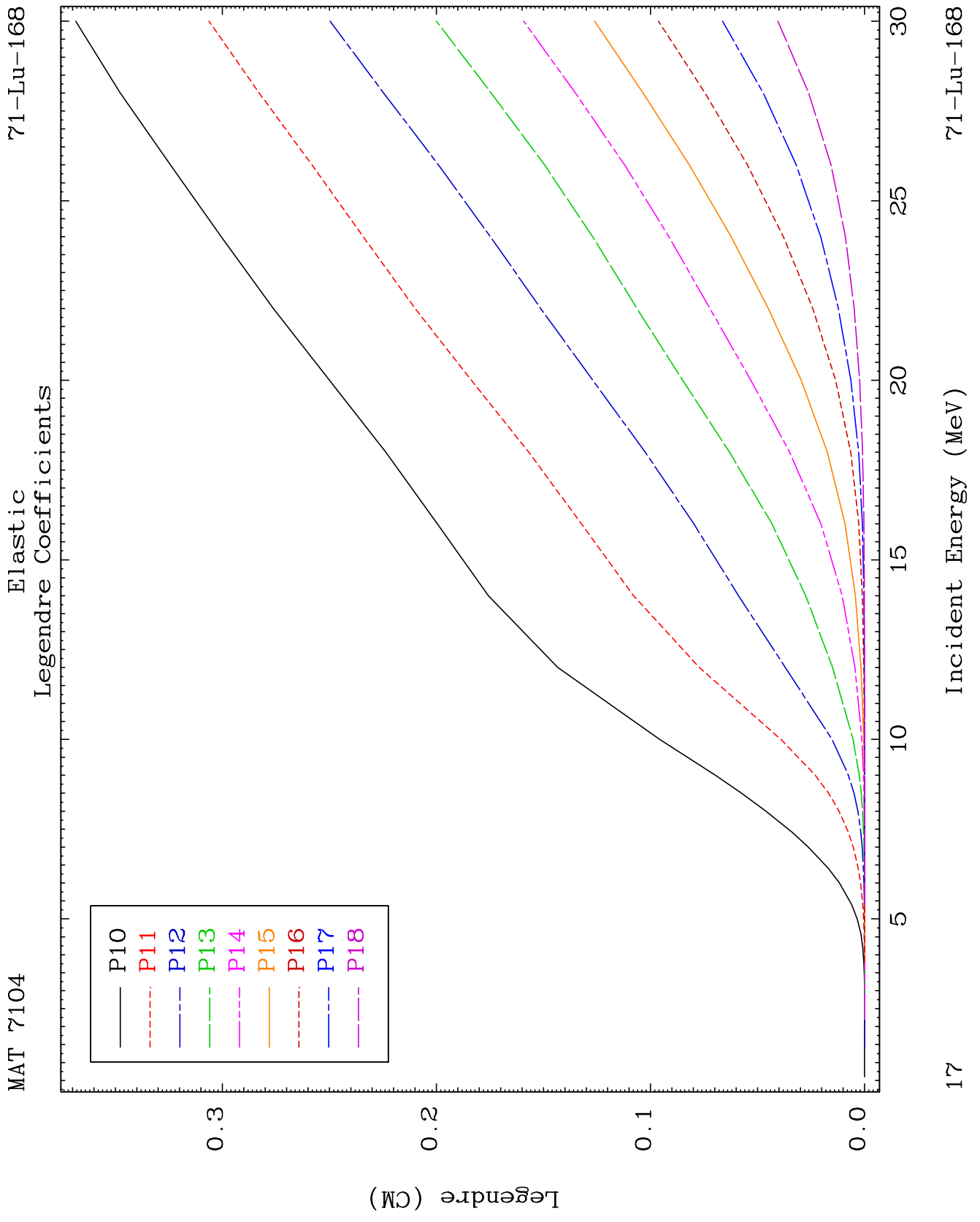
Elastic Legendre Coefficients



71-Lu-168

Incident Energy (MeV)

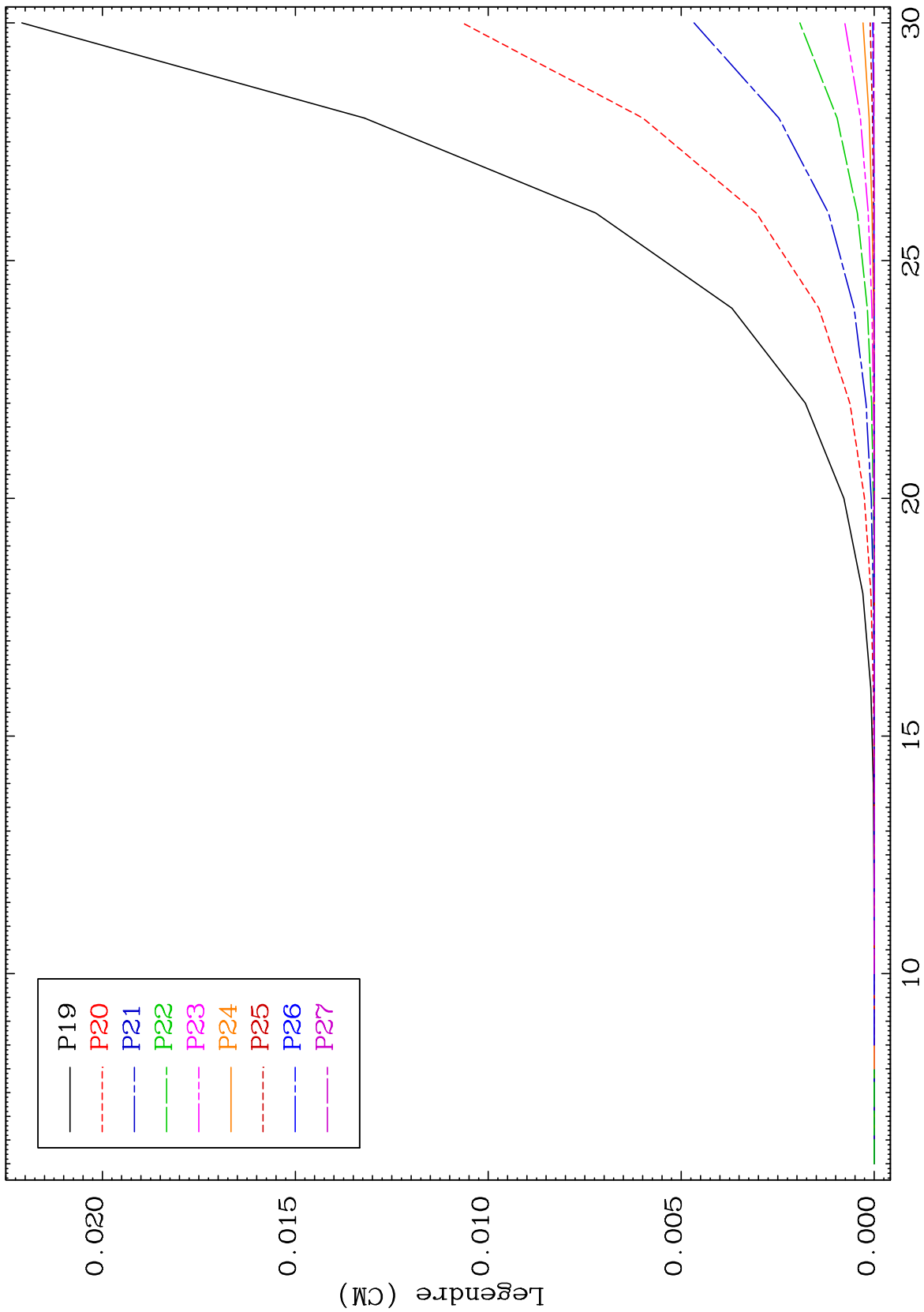
16



MAT 7104

Elastic Legendre Coefficients

⁷¹Lu-168



18

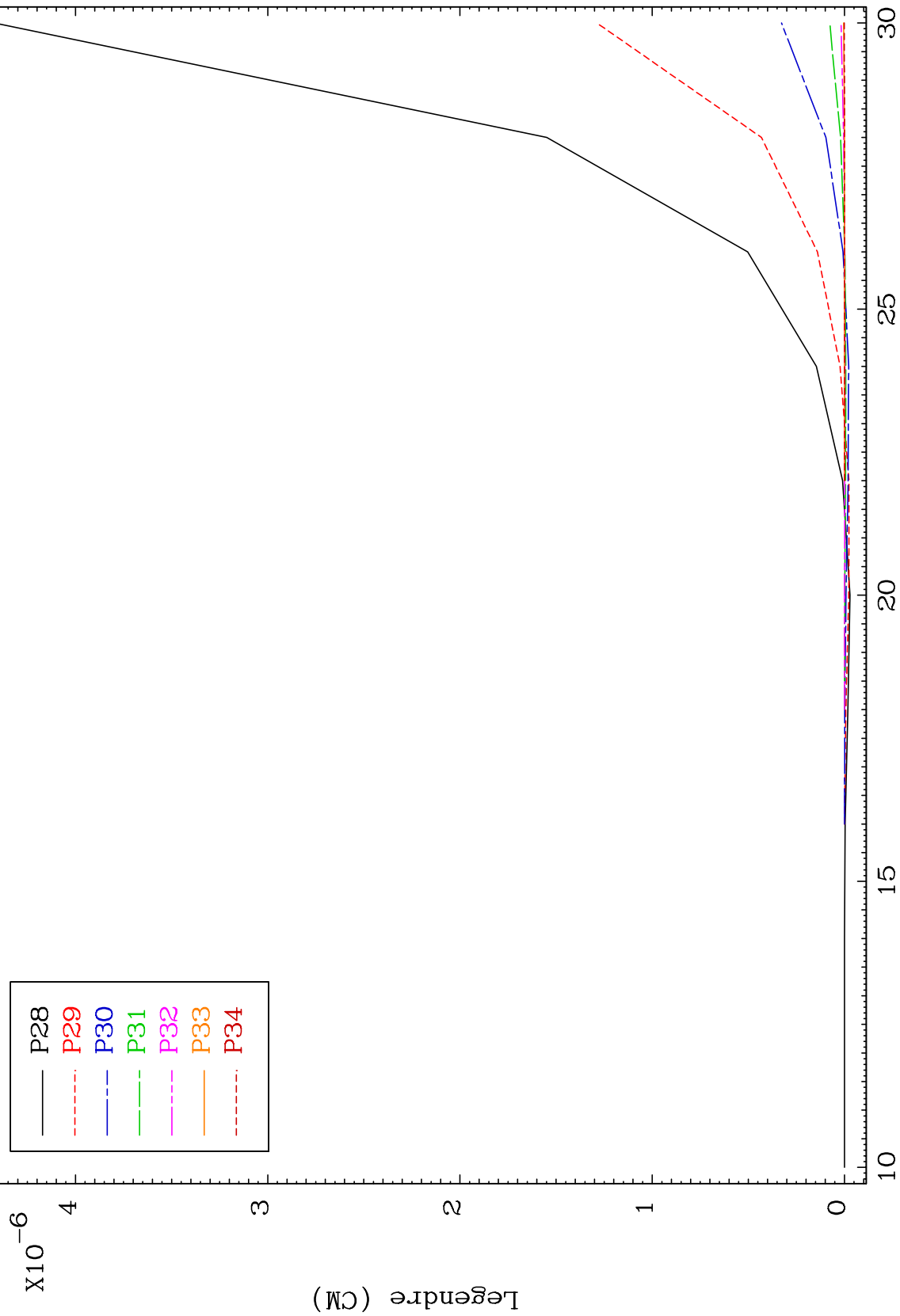
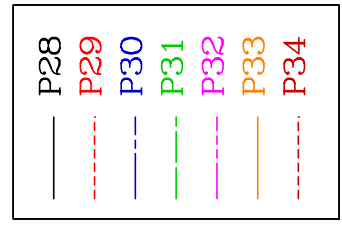
Incident Energy (MeV)

⁷¹Lu-168

MAT 7104

Elastic Legendre Coefficients

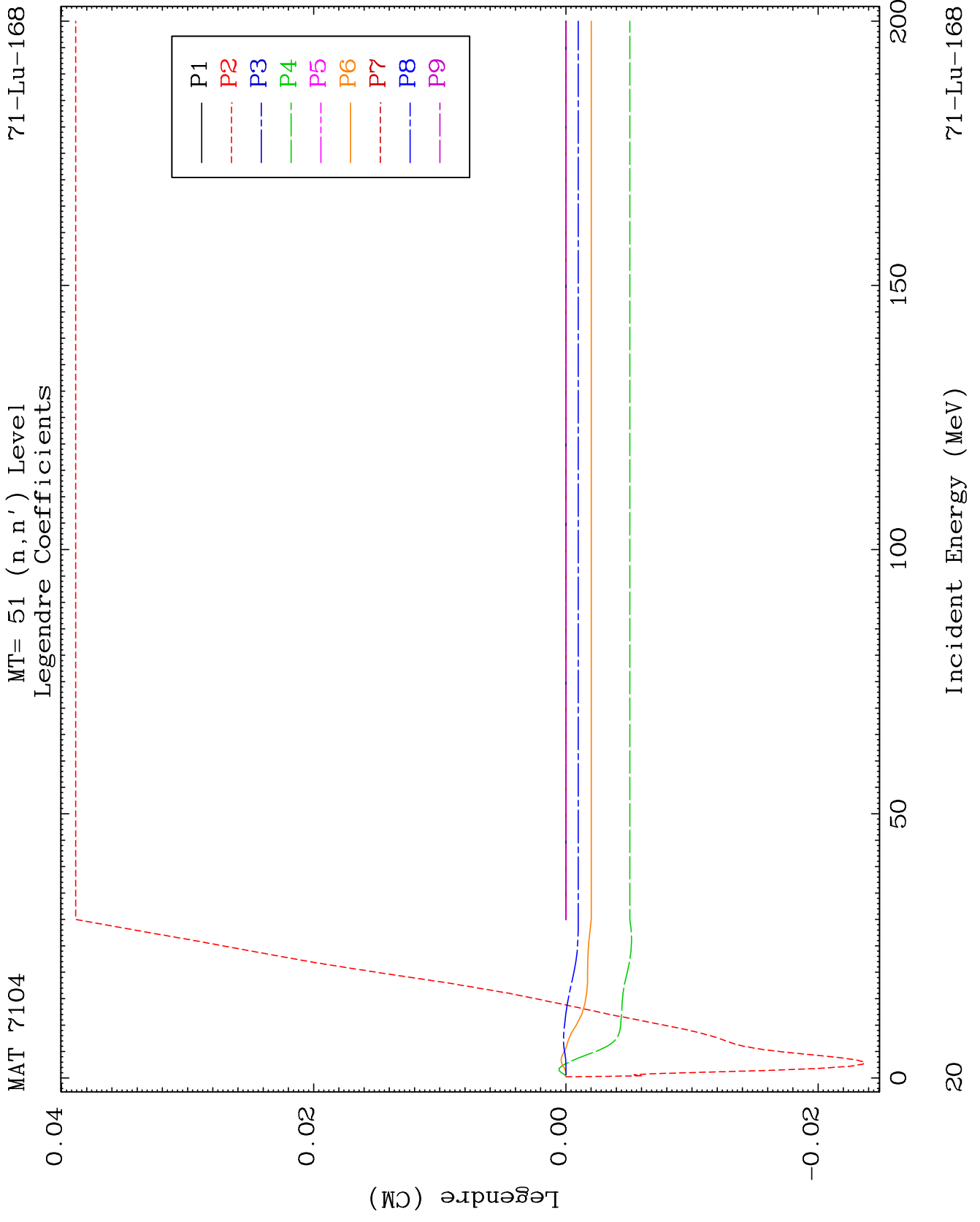
71-Lu-168



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Incident Energy (MeV)

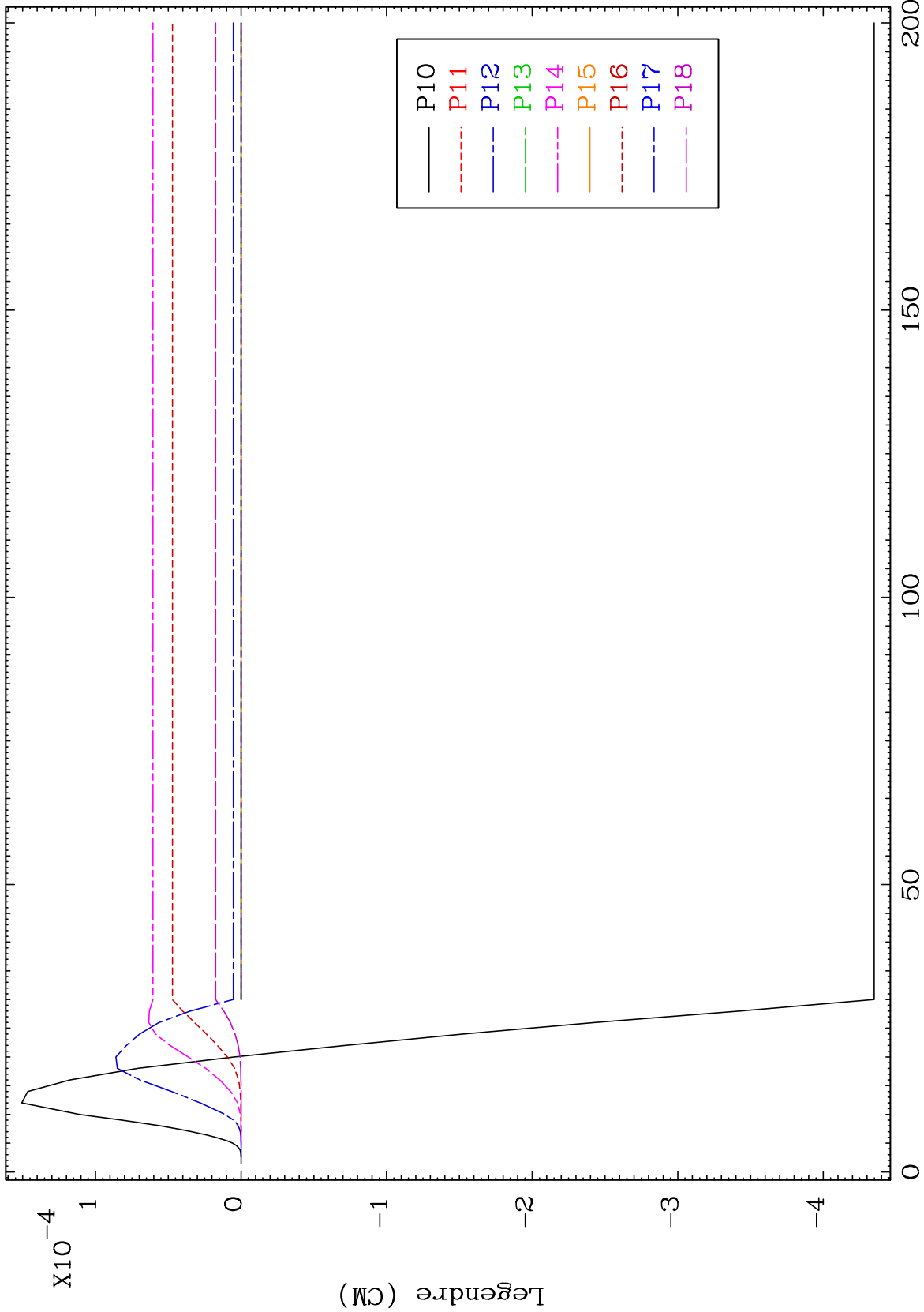
71-Lu-168



MAT 7104

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

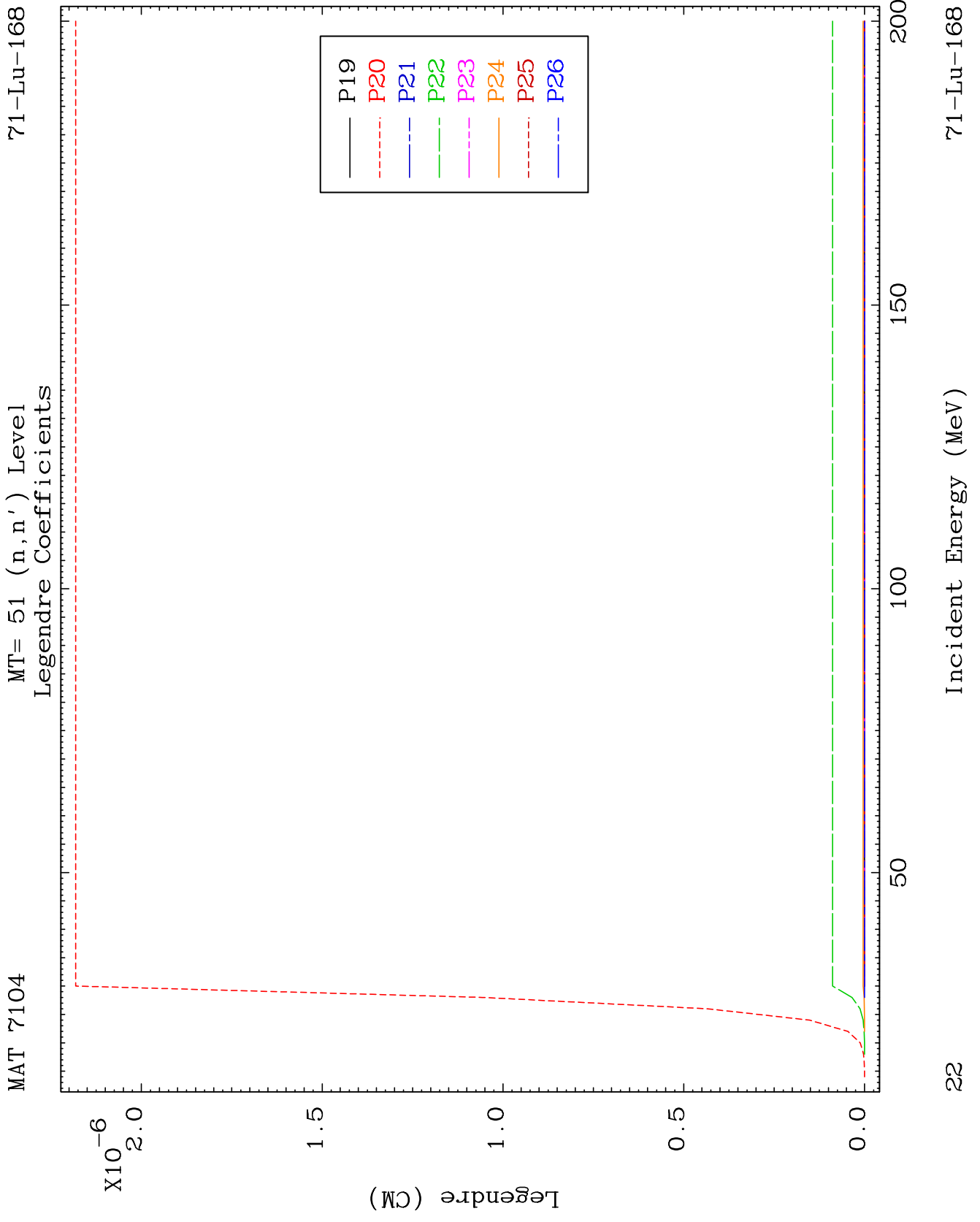
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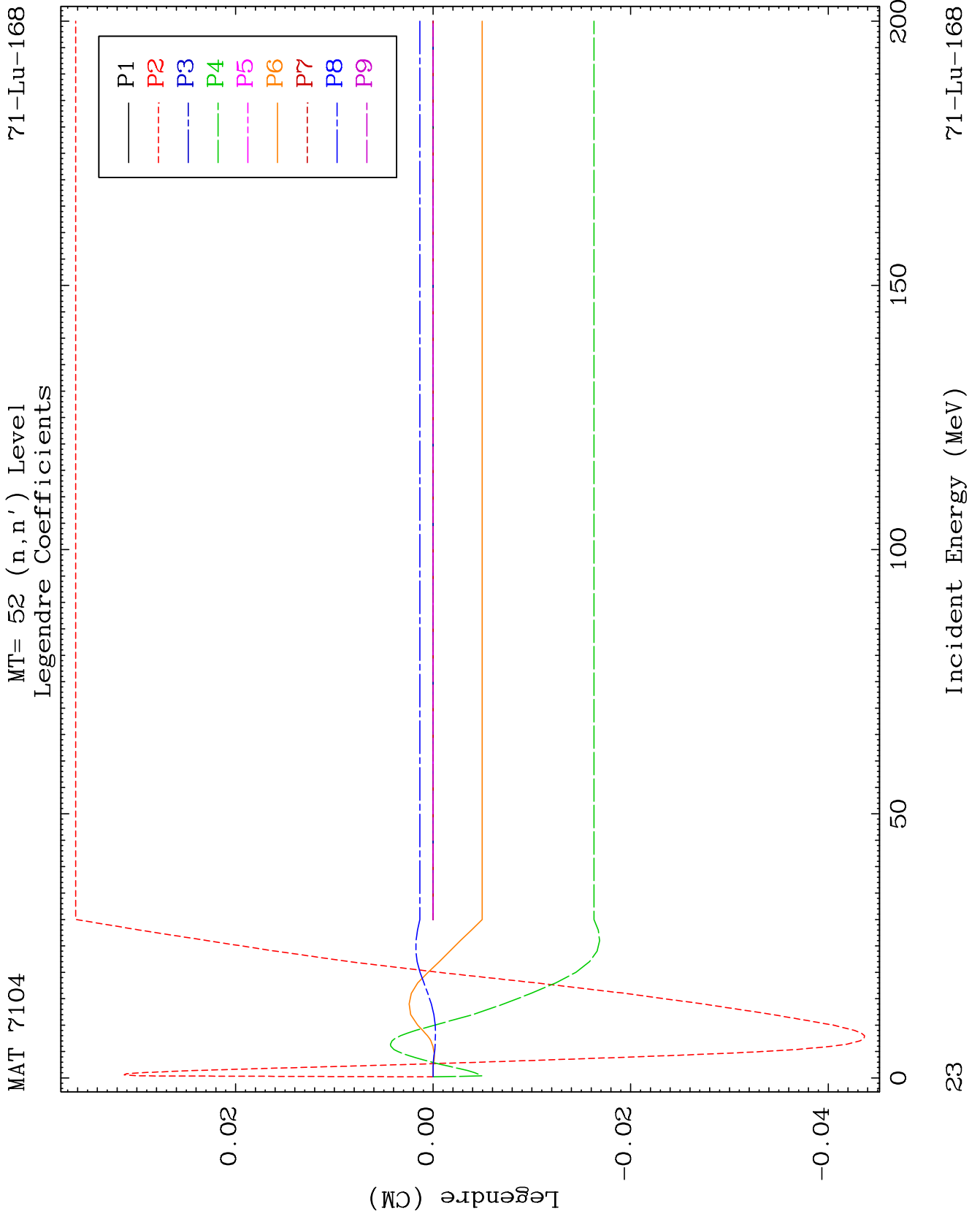


21

Incident Energy (MeV)

71-Lu-168

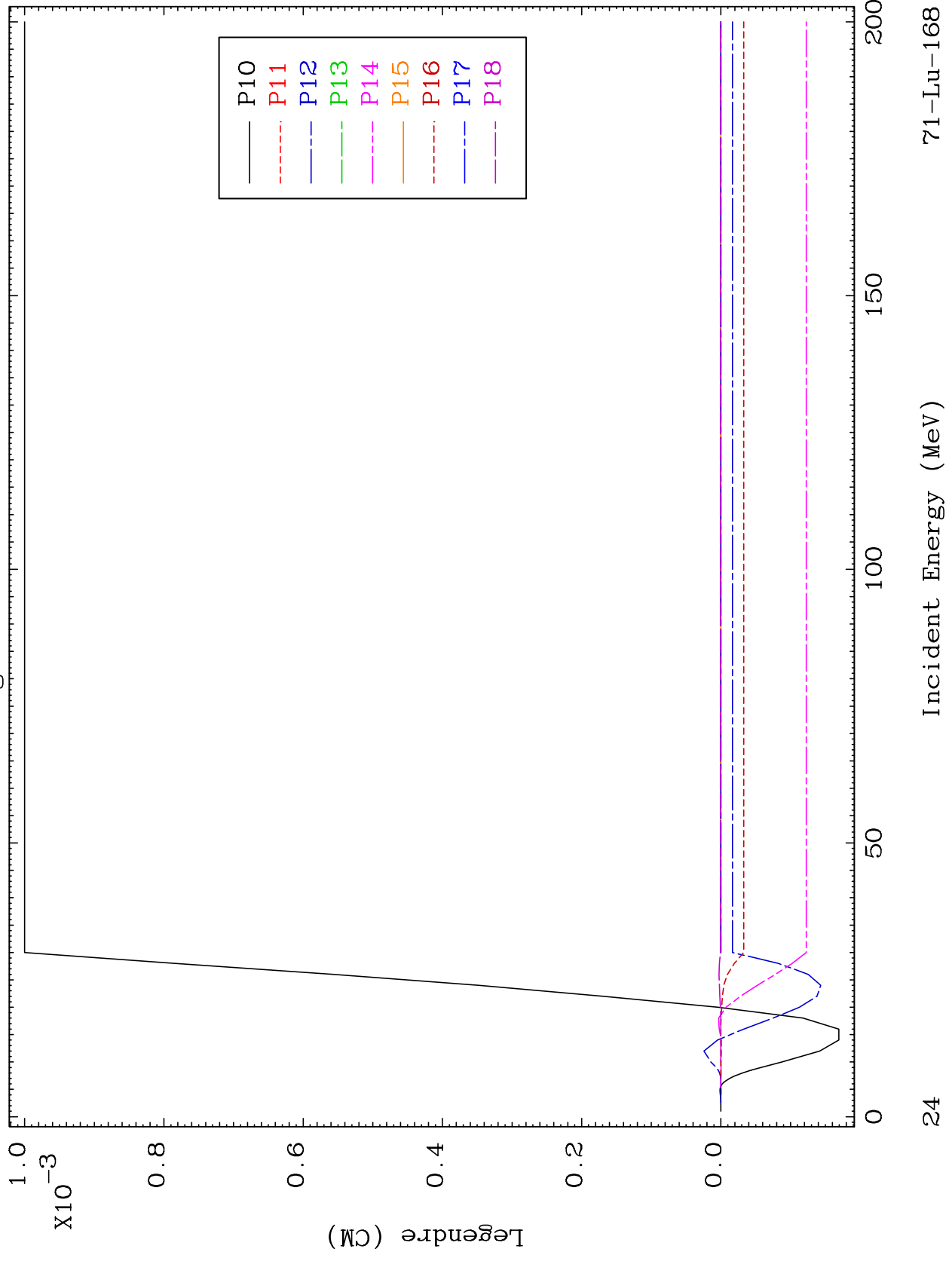




MAT 7104

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

71-Lu-168

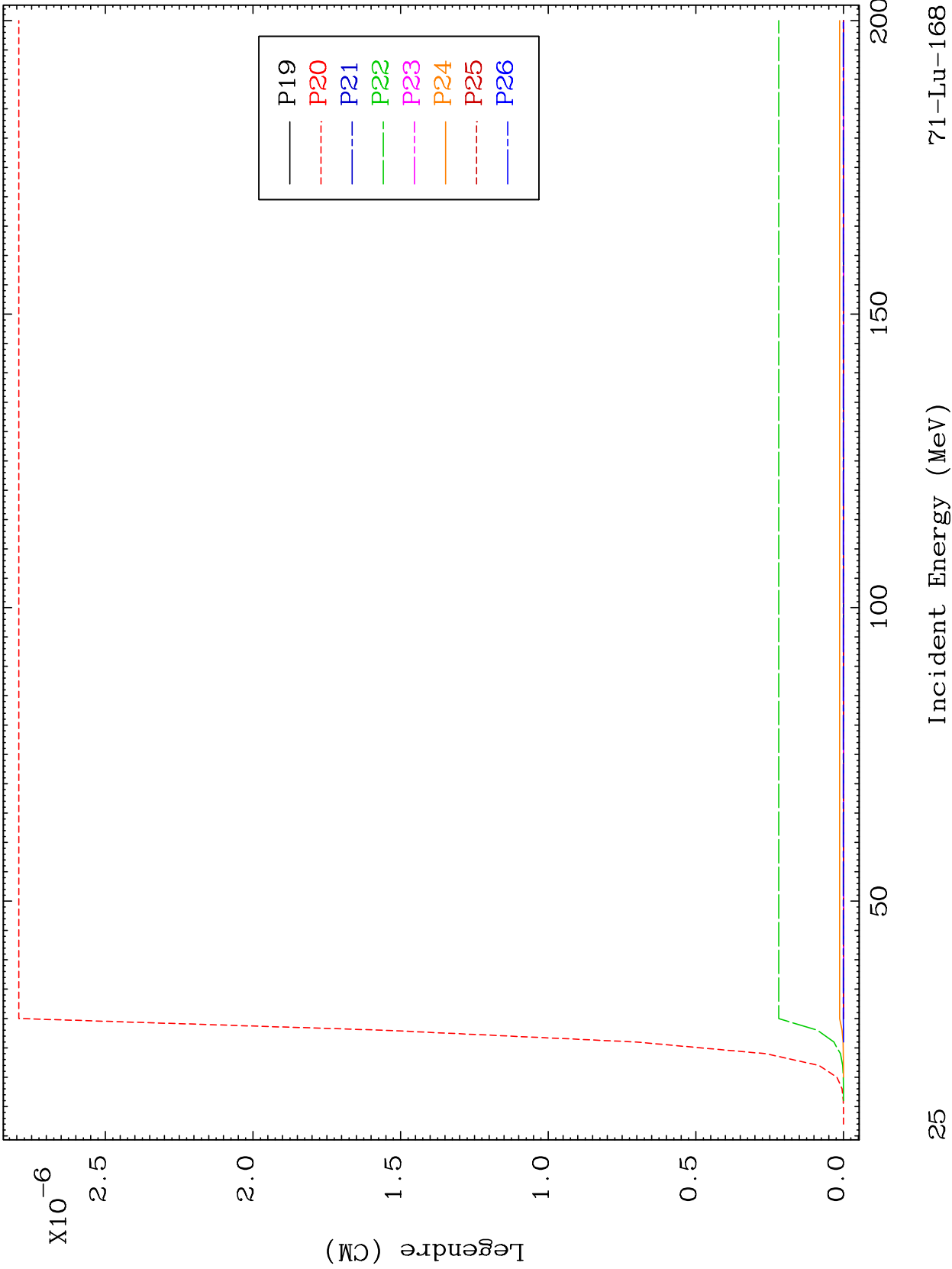


71-Lu-168

Incident Energy (MeV)

24

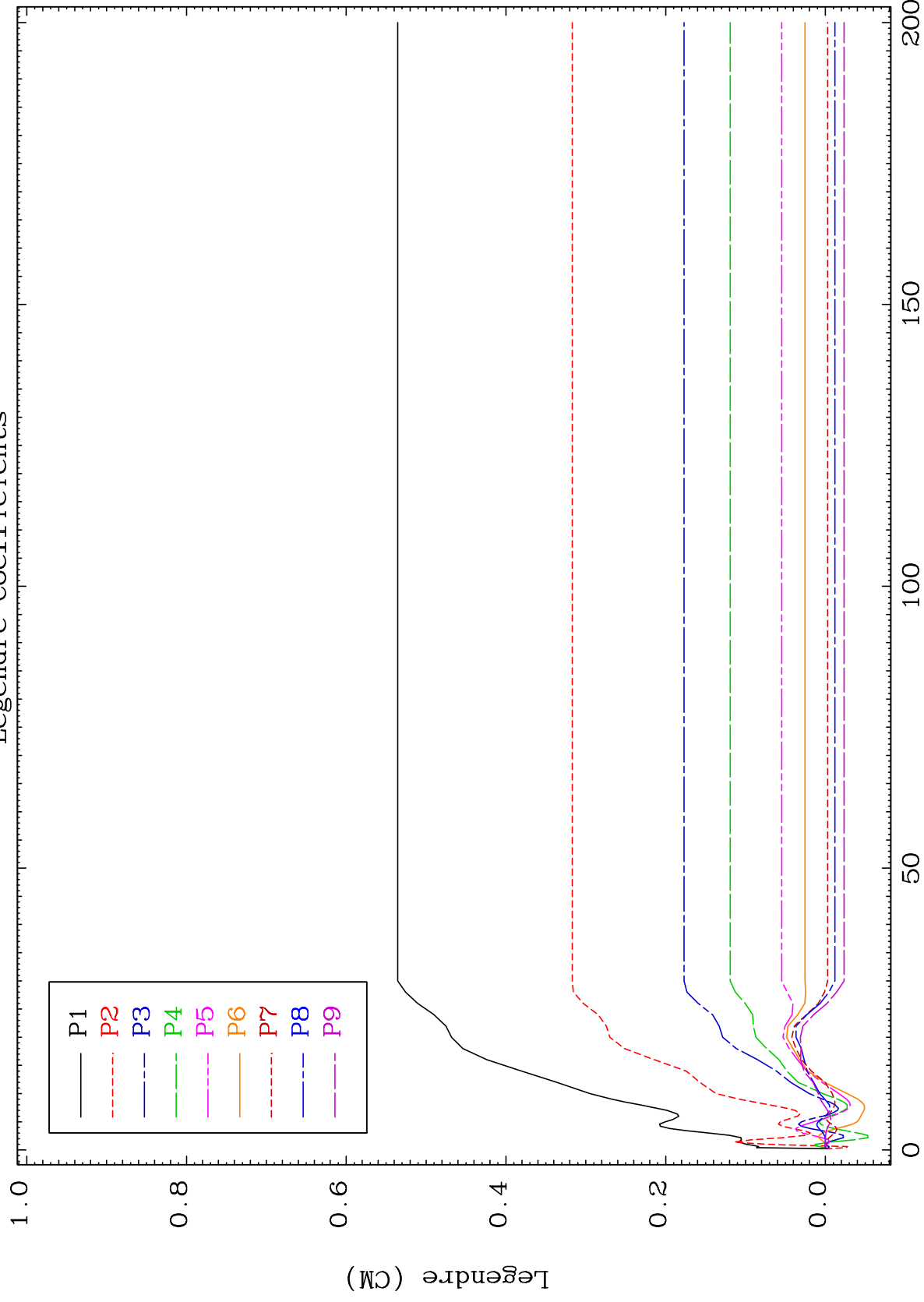
MAT 7104 MT= 52 (n,n') Level Legendre Coefficients 71-Lu-168



MAT 7104

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

71-Lu-168



26

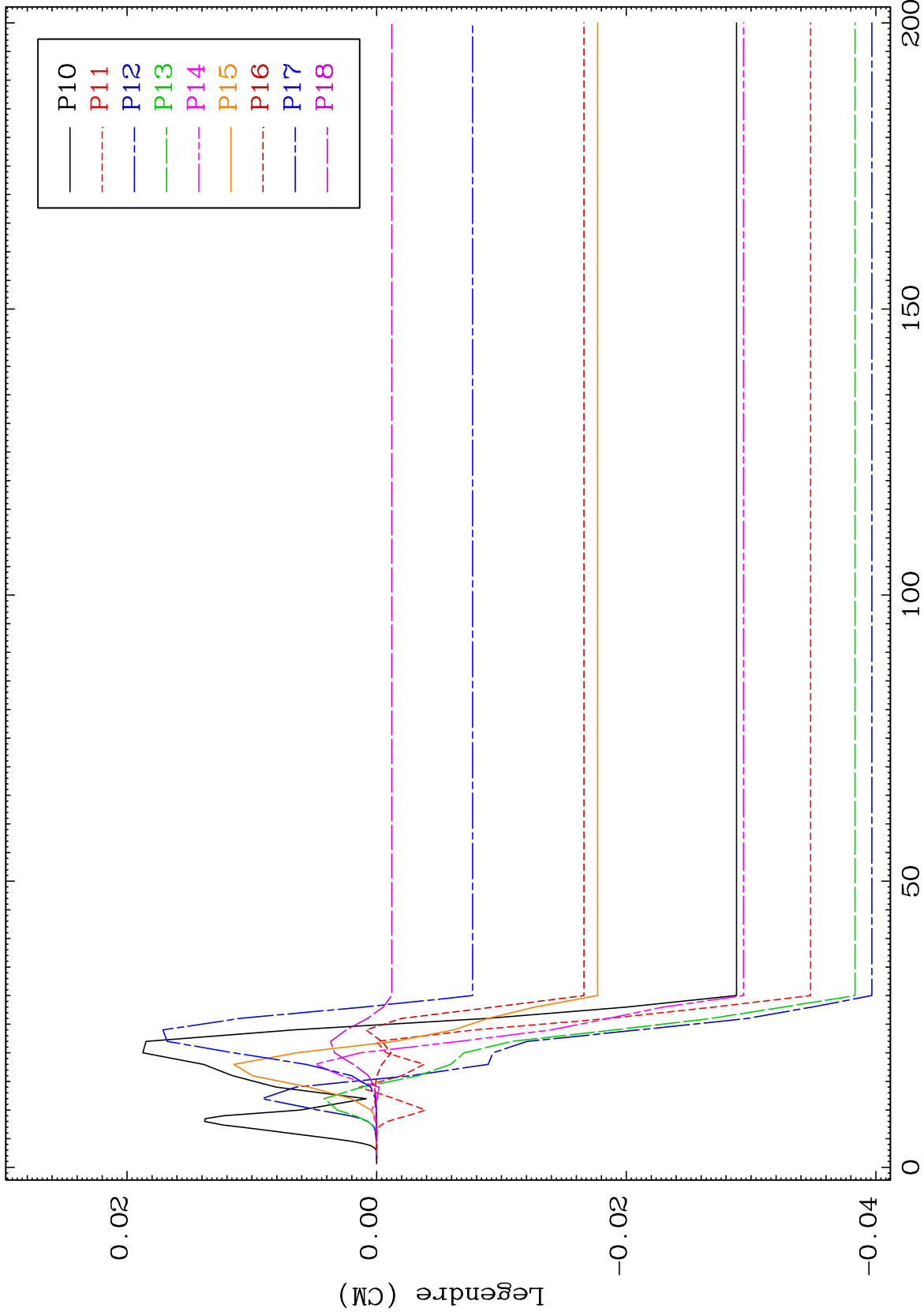
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

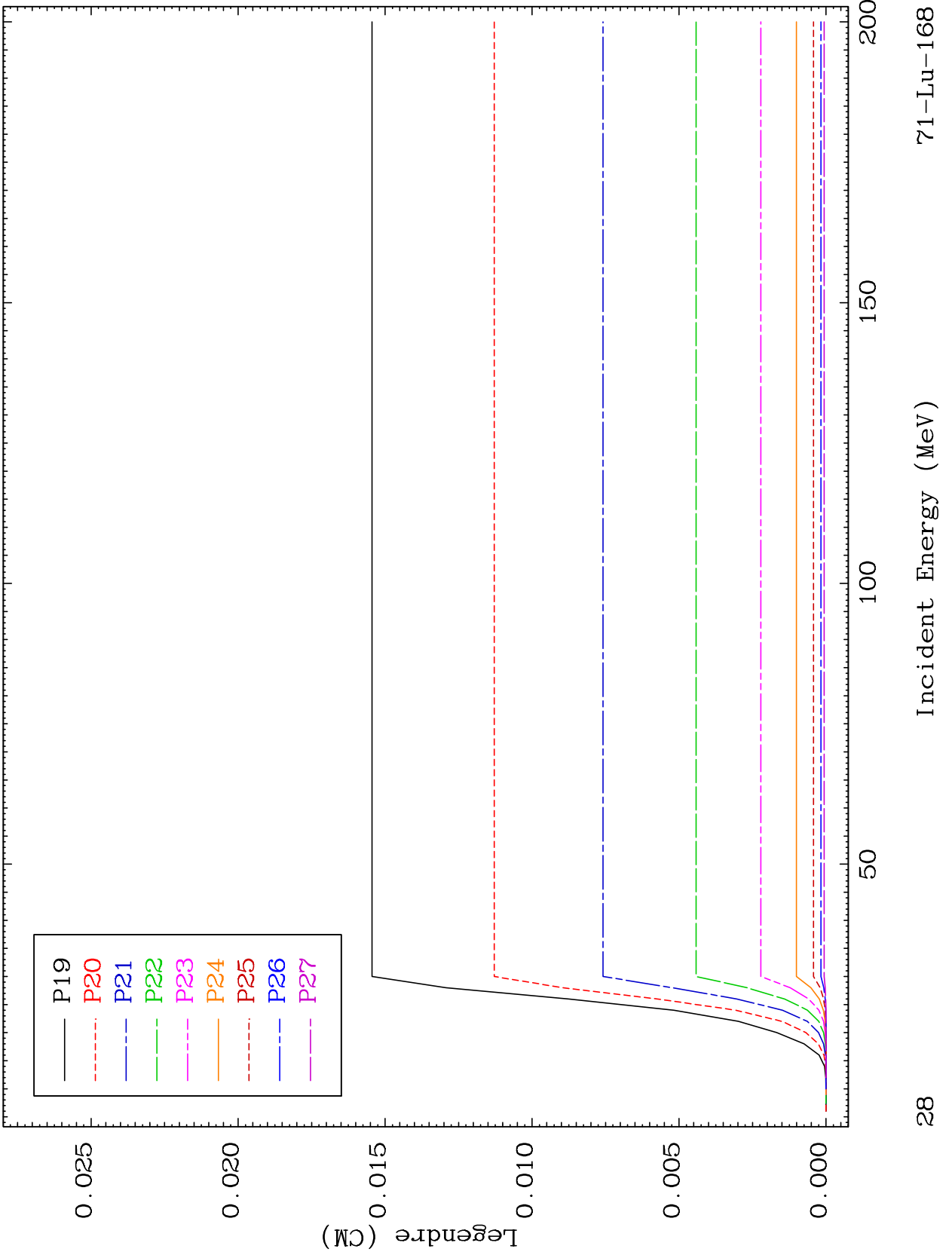
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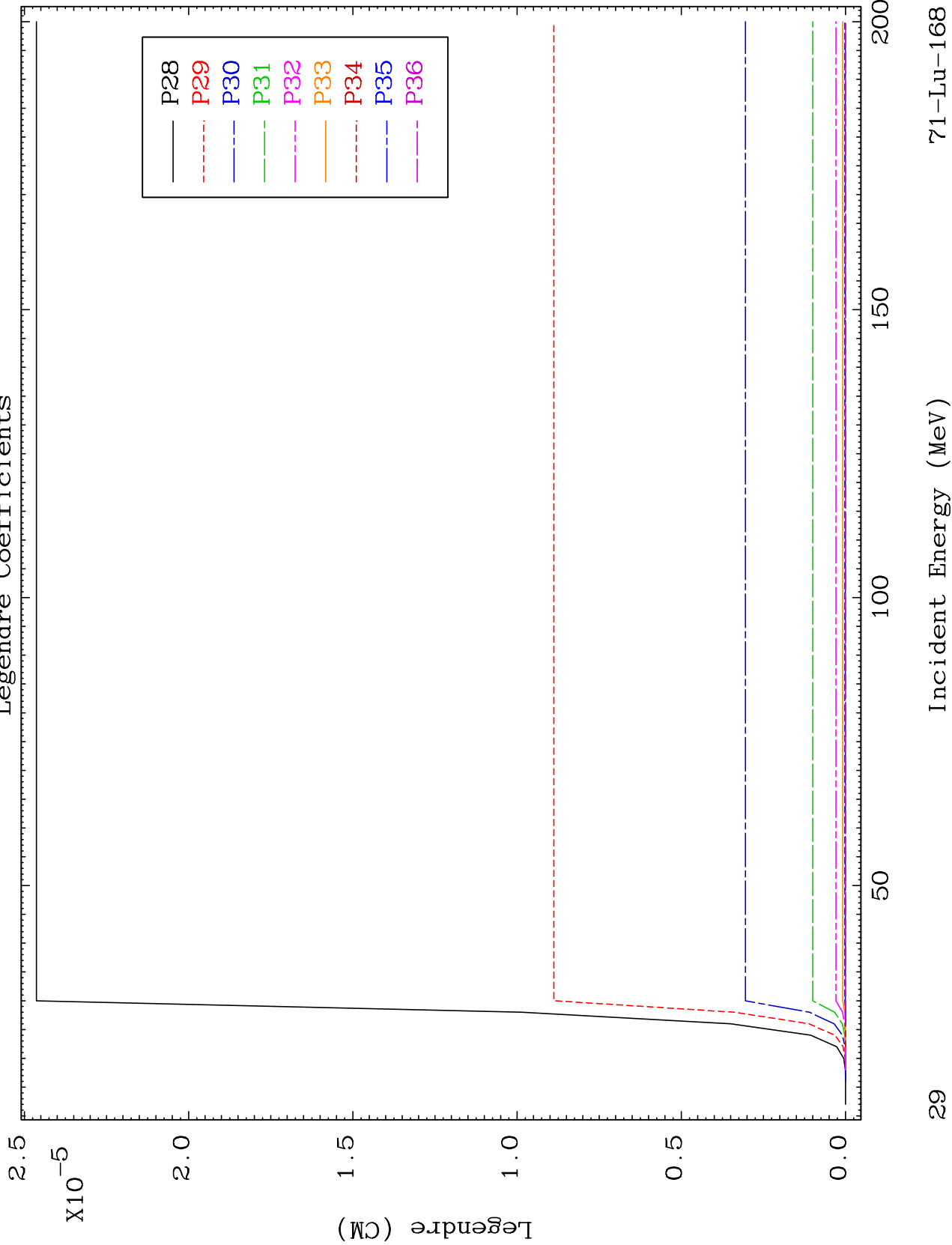


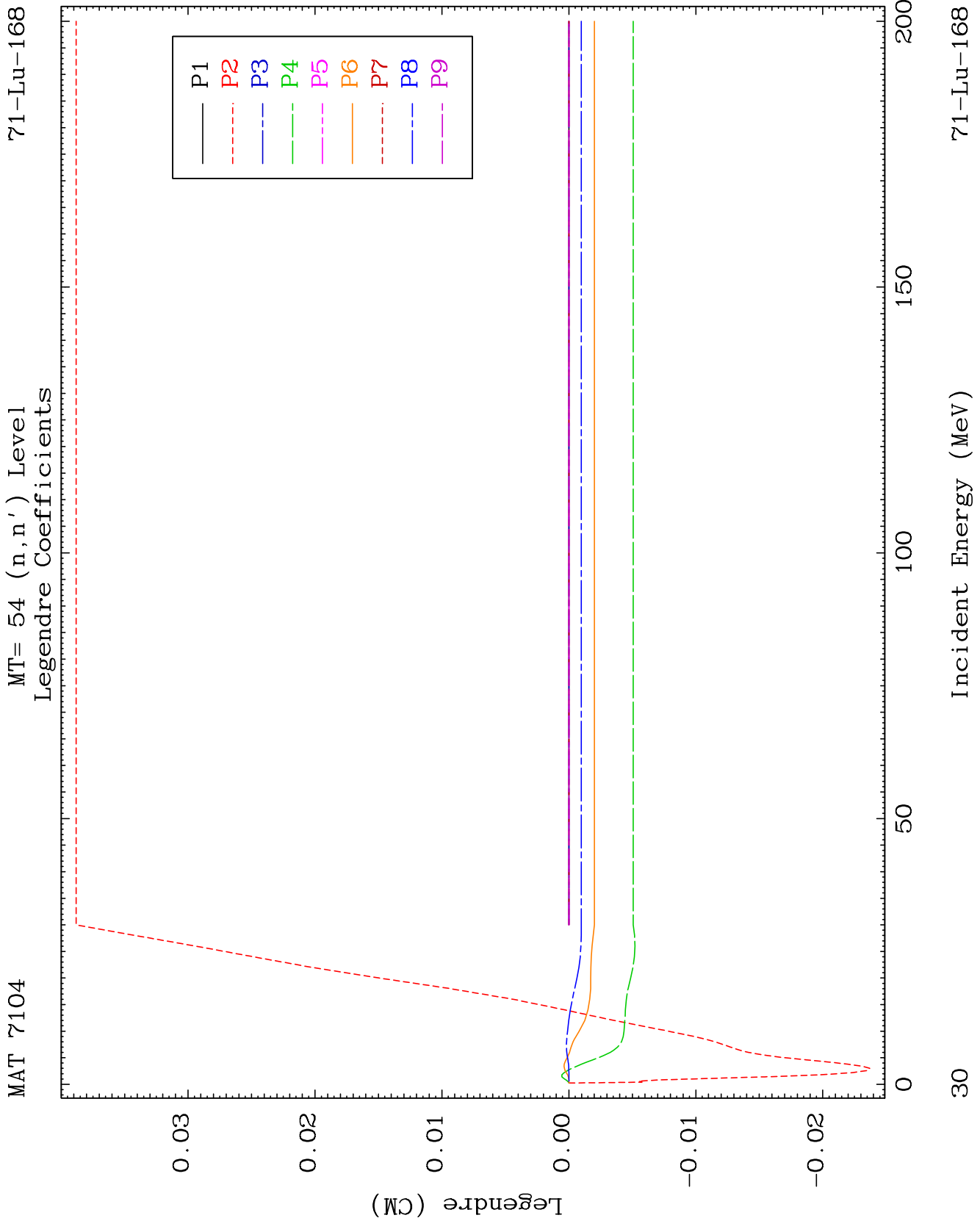
27

Incident Energy (MeV)

71-Lu-168



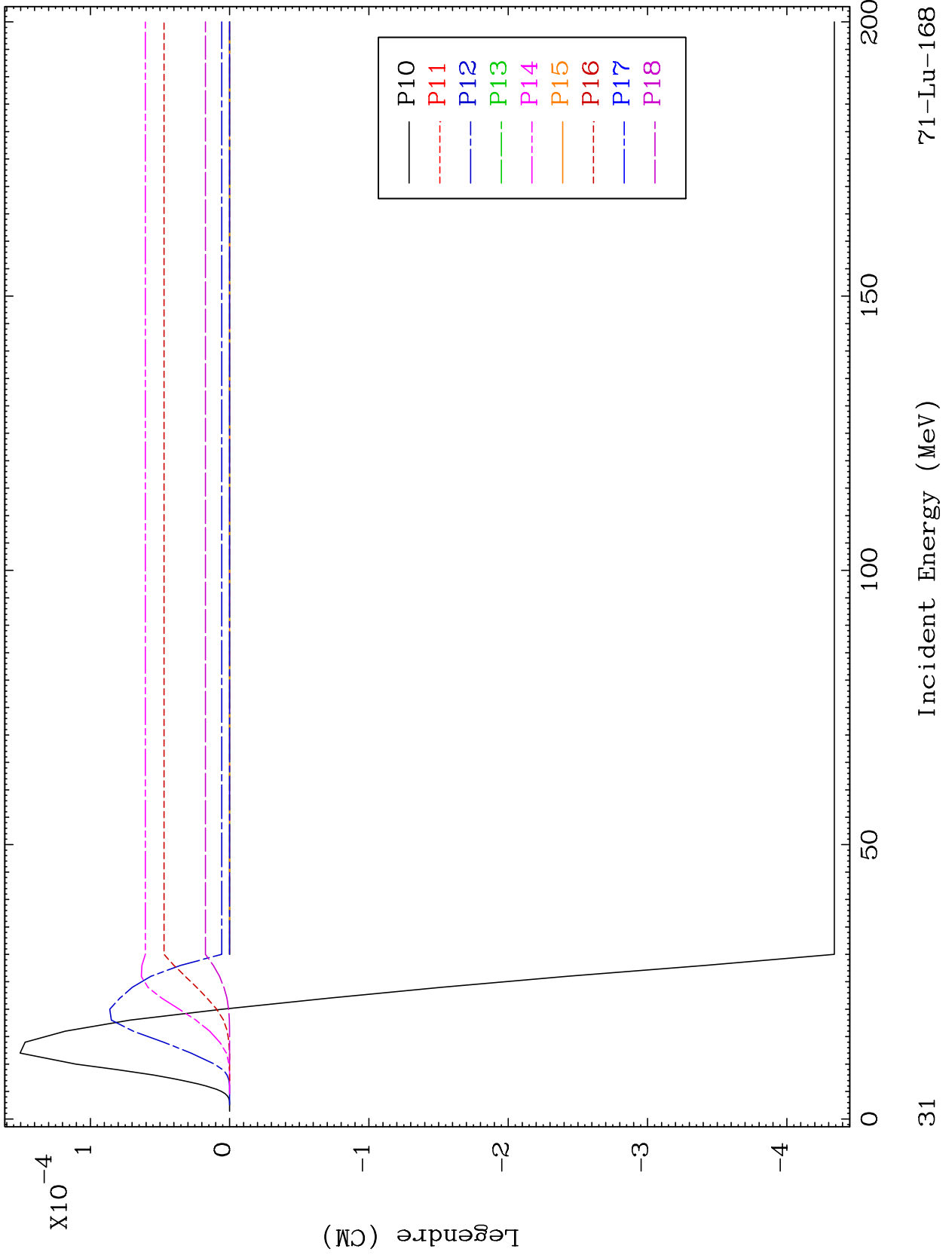




MAT 7104

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

71-Lu-168



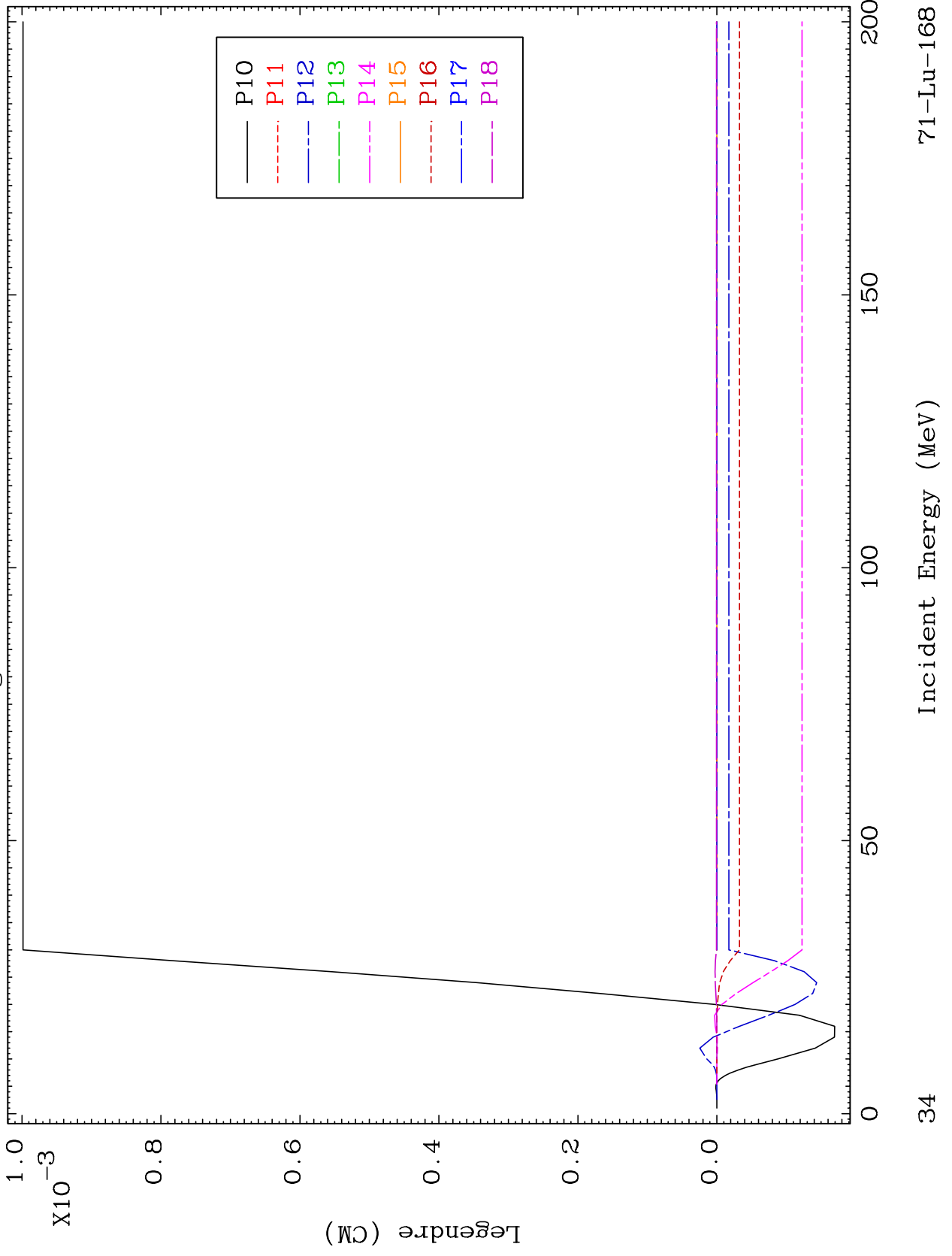
31

71-Lu-168

MAT 7104

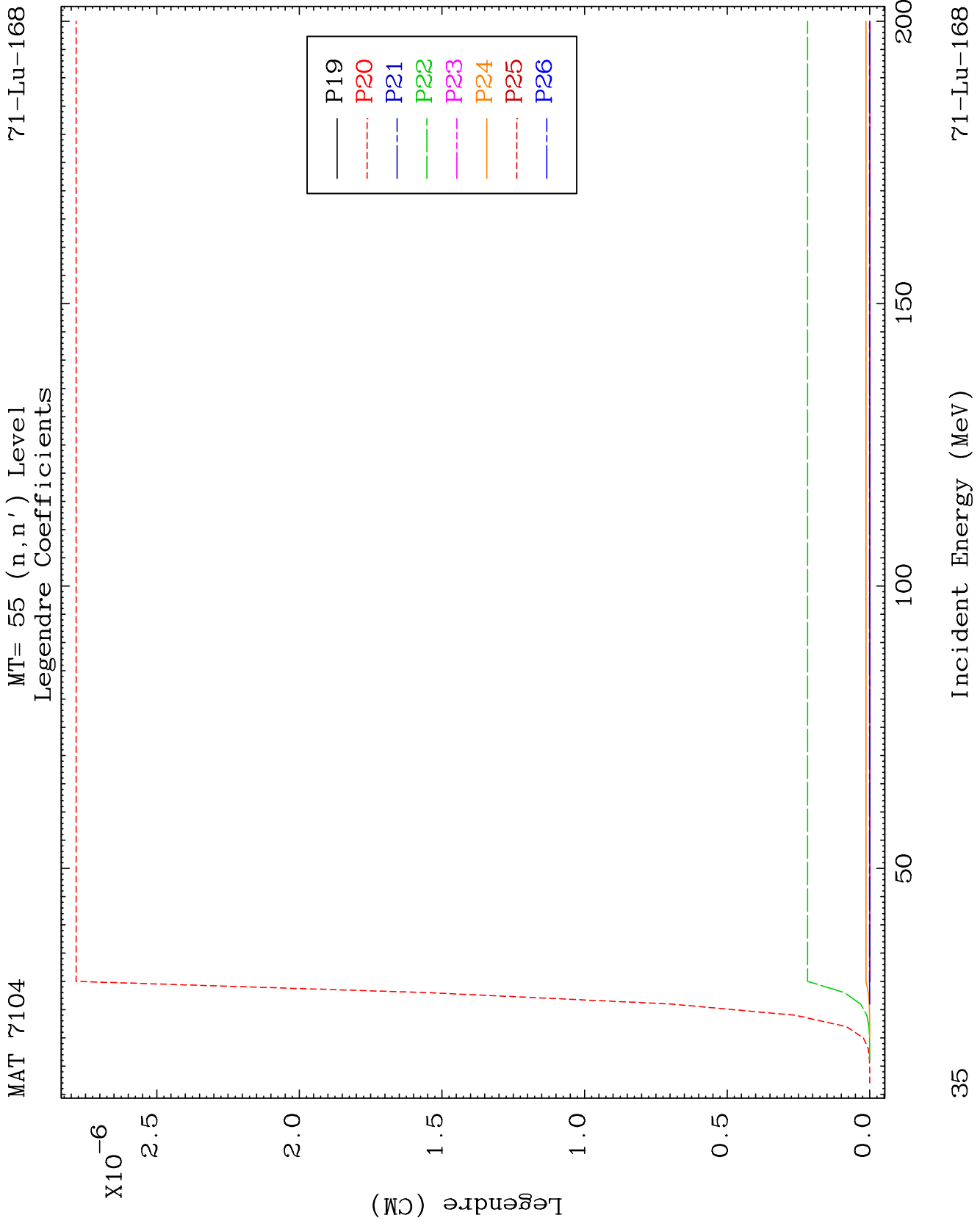
MT= 55 (n,n') Level
Legendre Coefficients

71-Lu-168



34

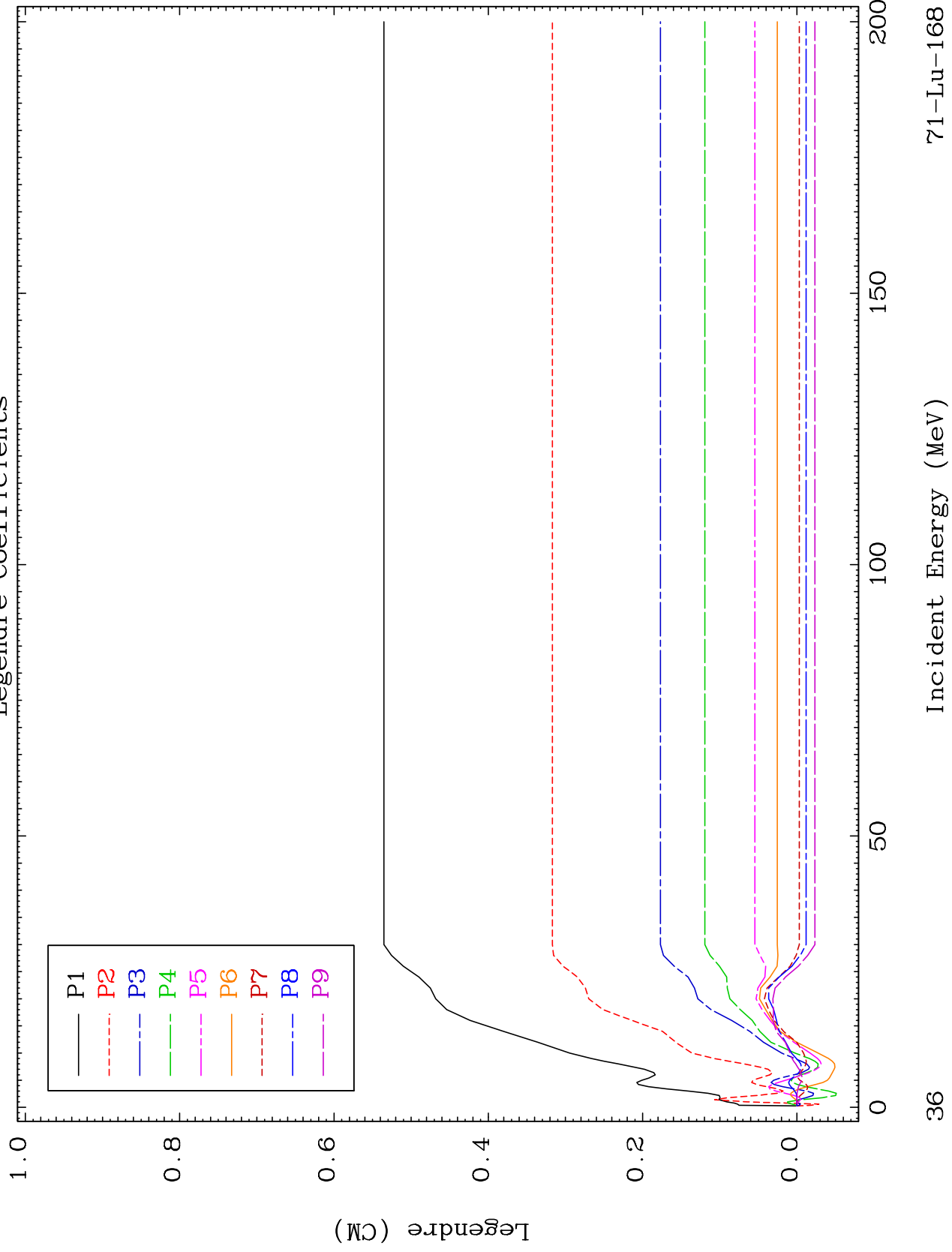
71-Lu-168



MAT 7104

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

71-Lu-168



71-Lu-168

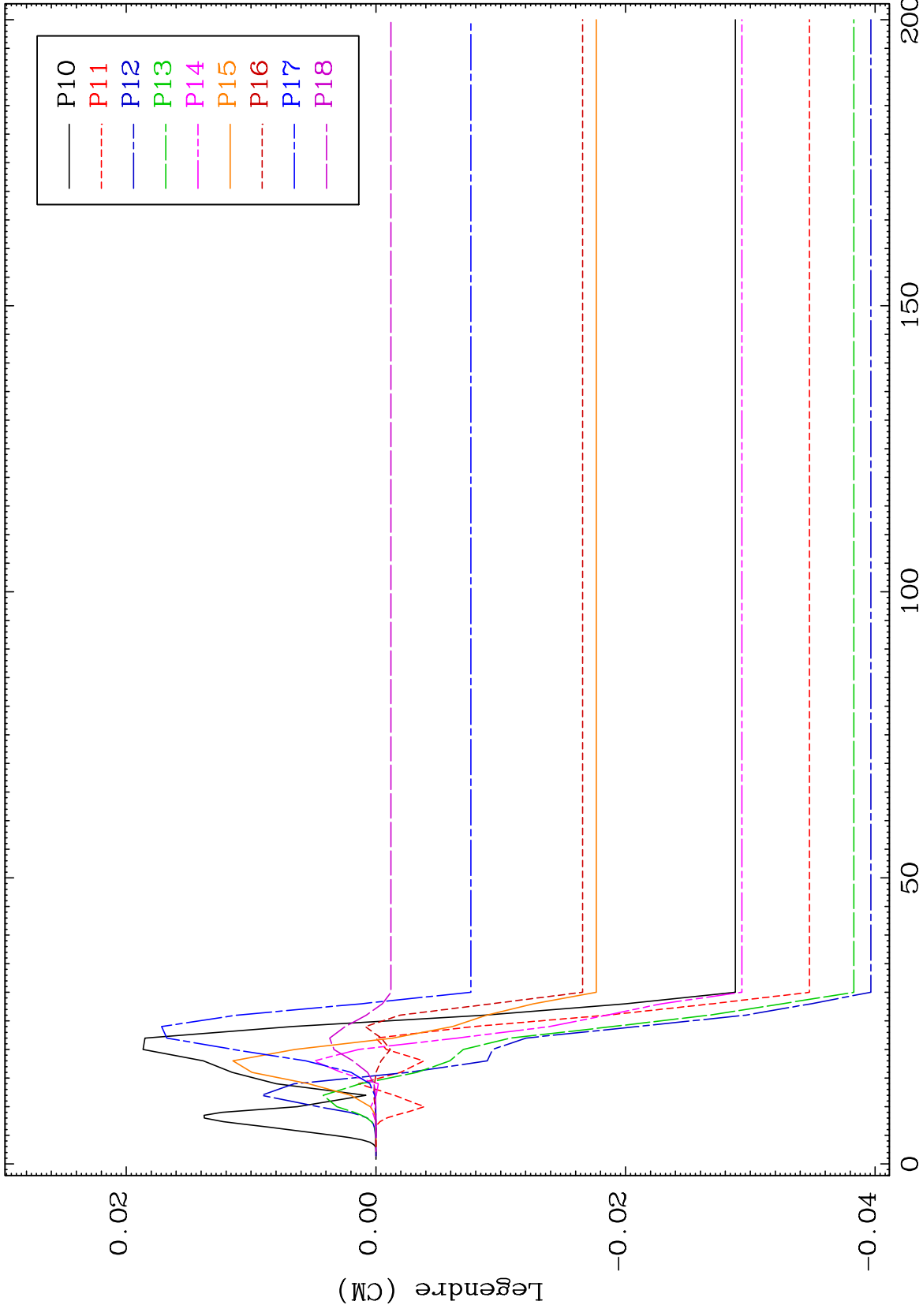
Incident Energy (MeV)

36

MAT 7104

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

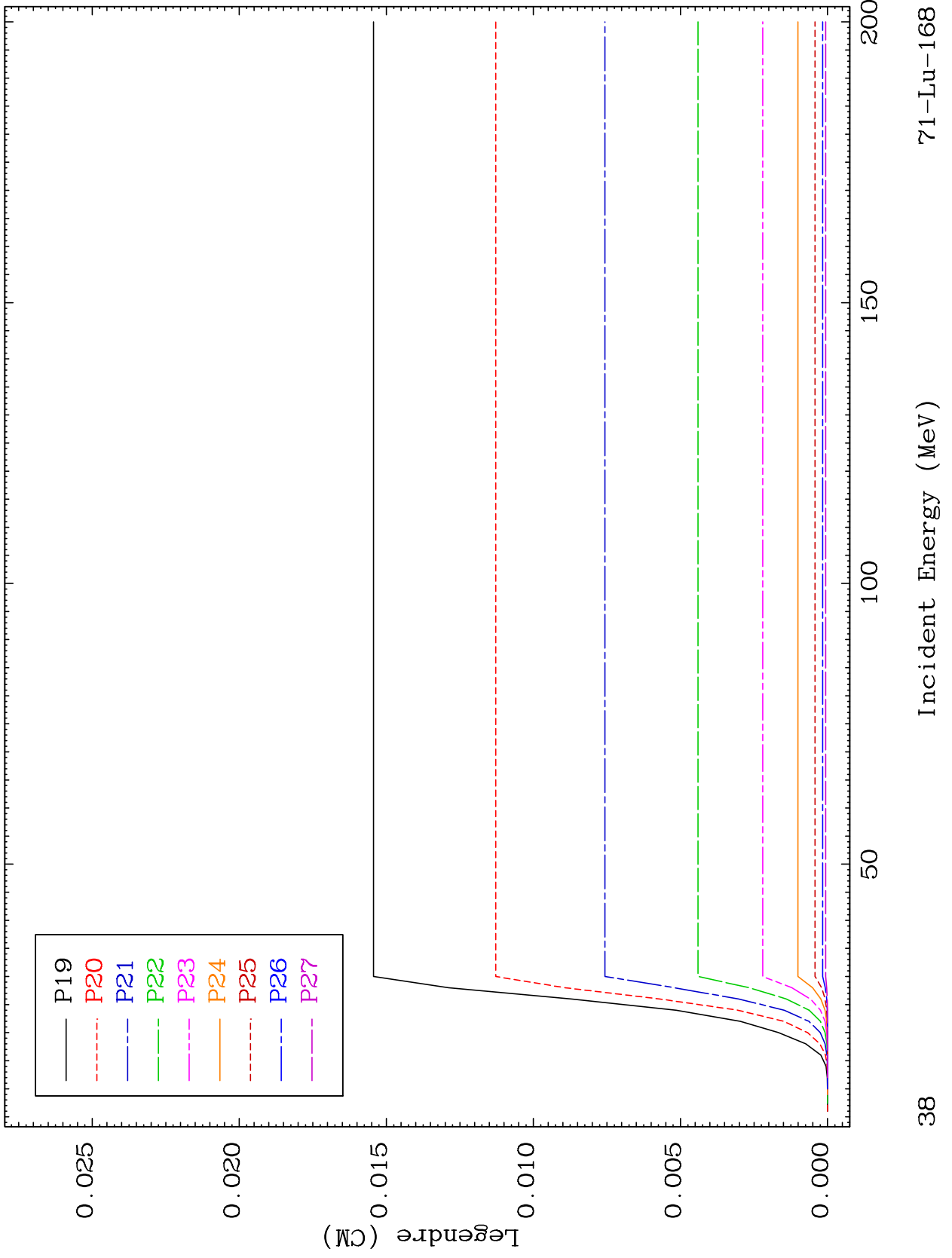
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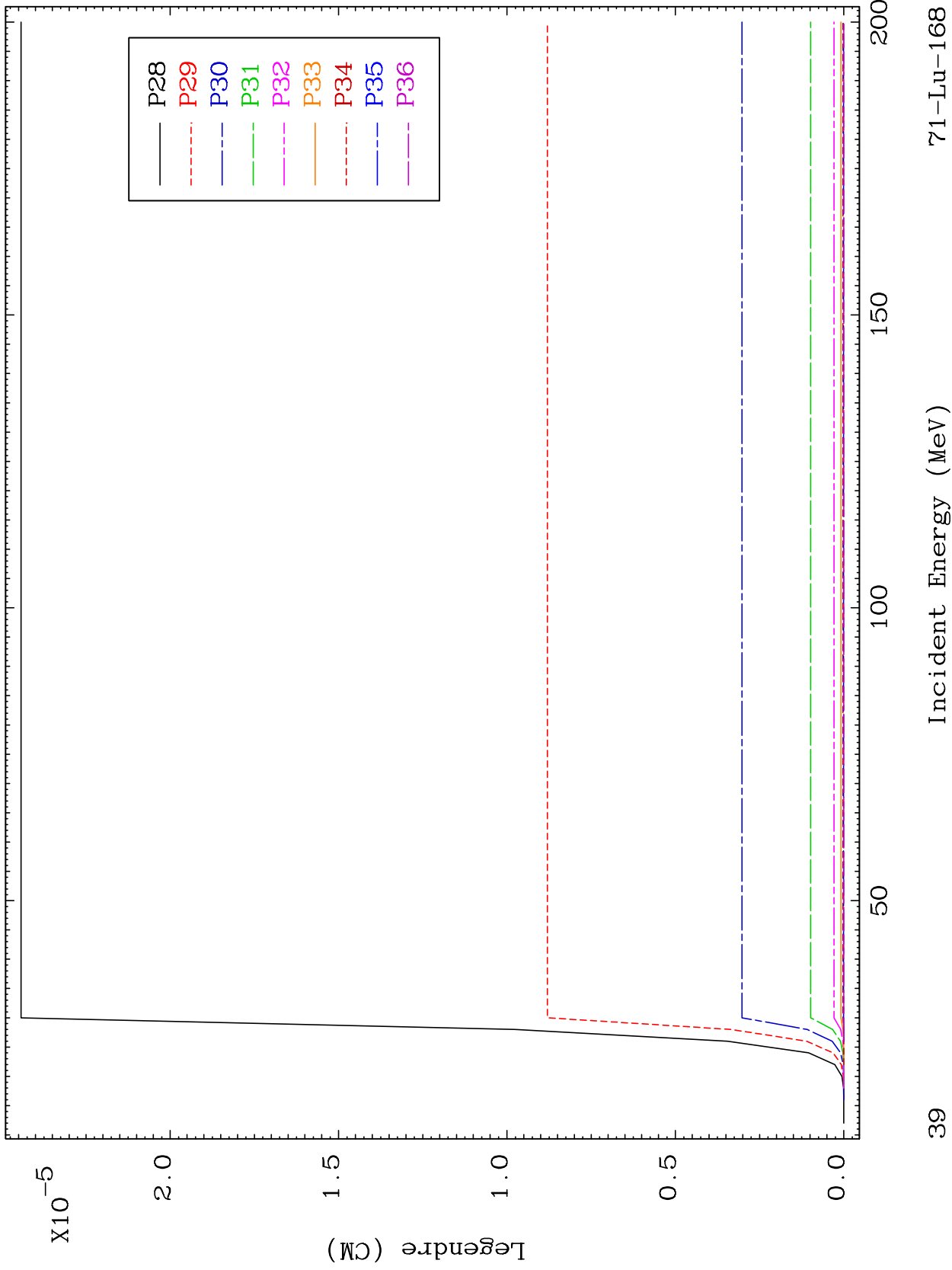


37

Incident Energy (MeV)

71-Lu-168

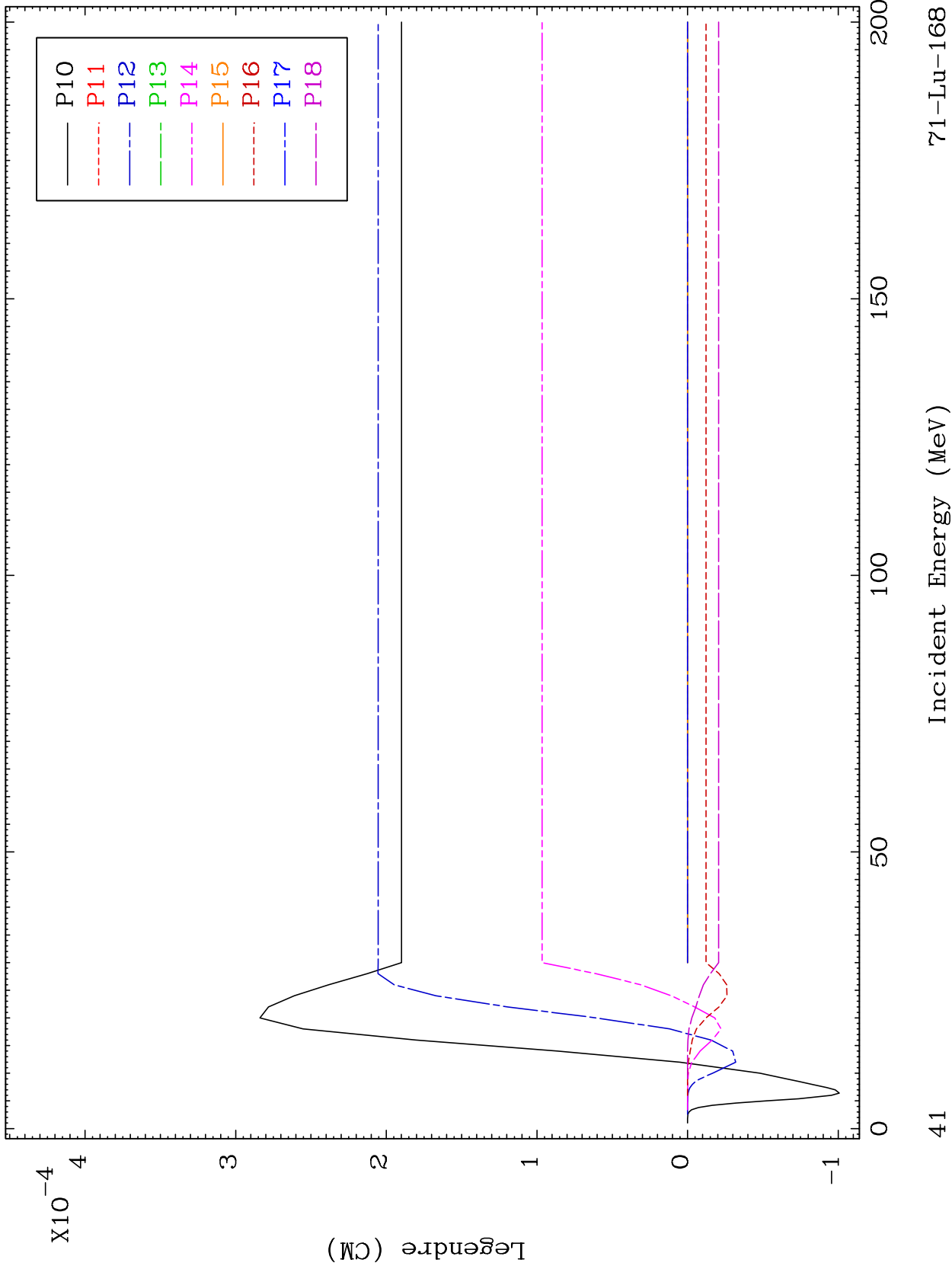




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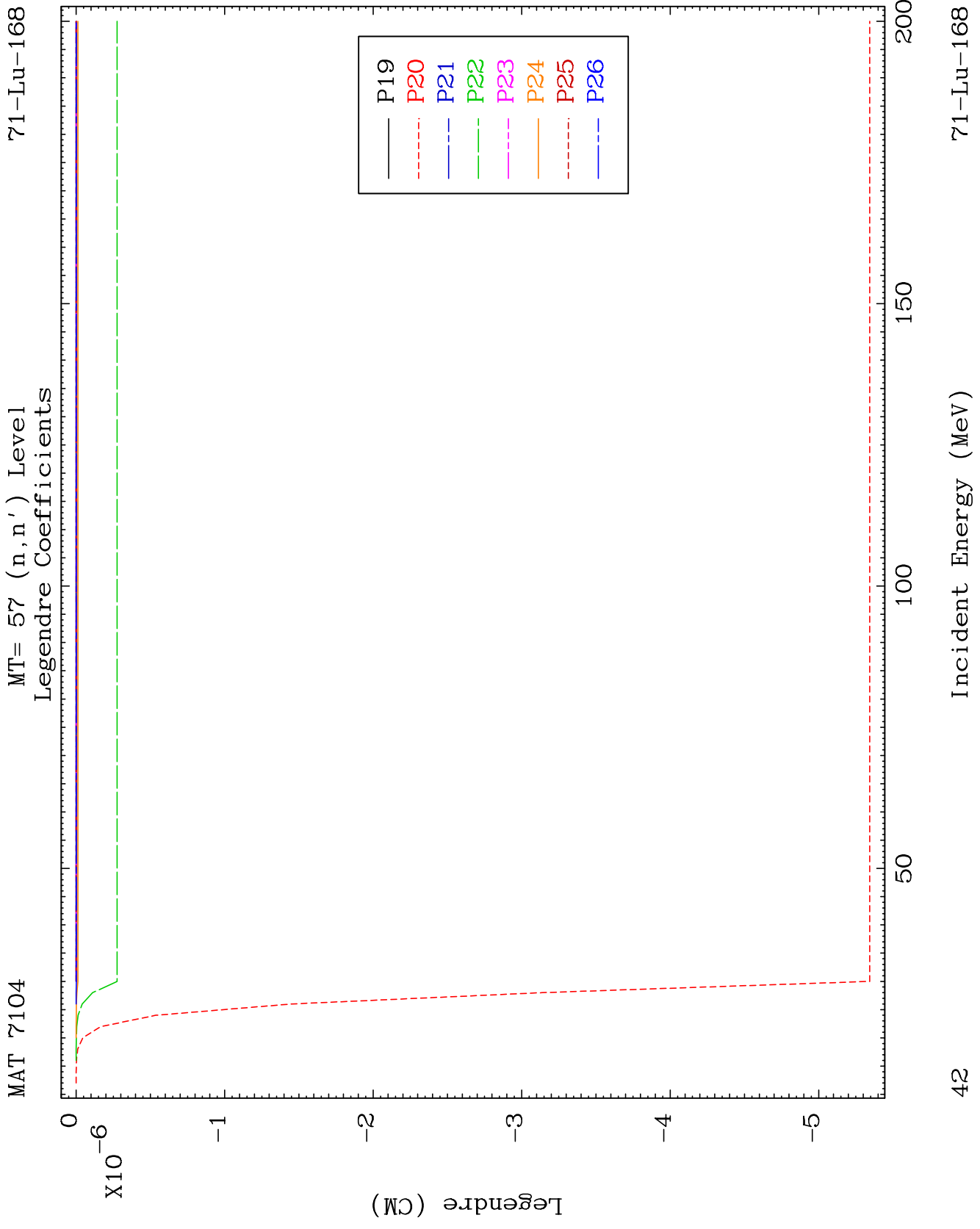
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Legendre Coefficients

71-Lu-168



41

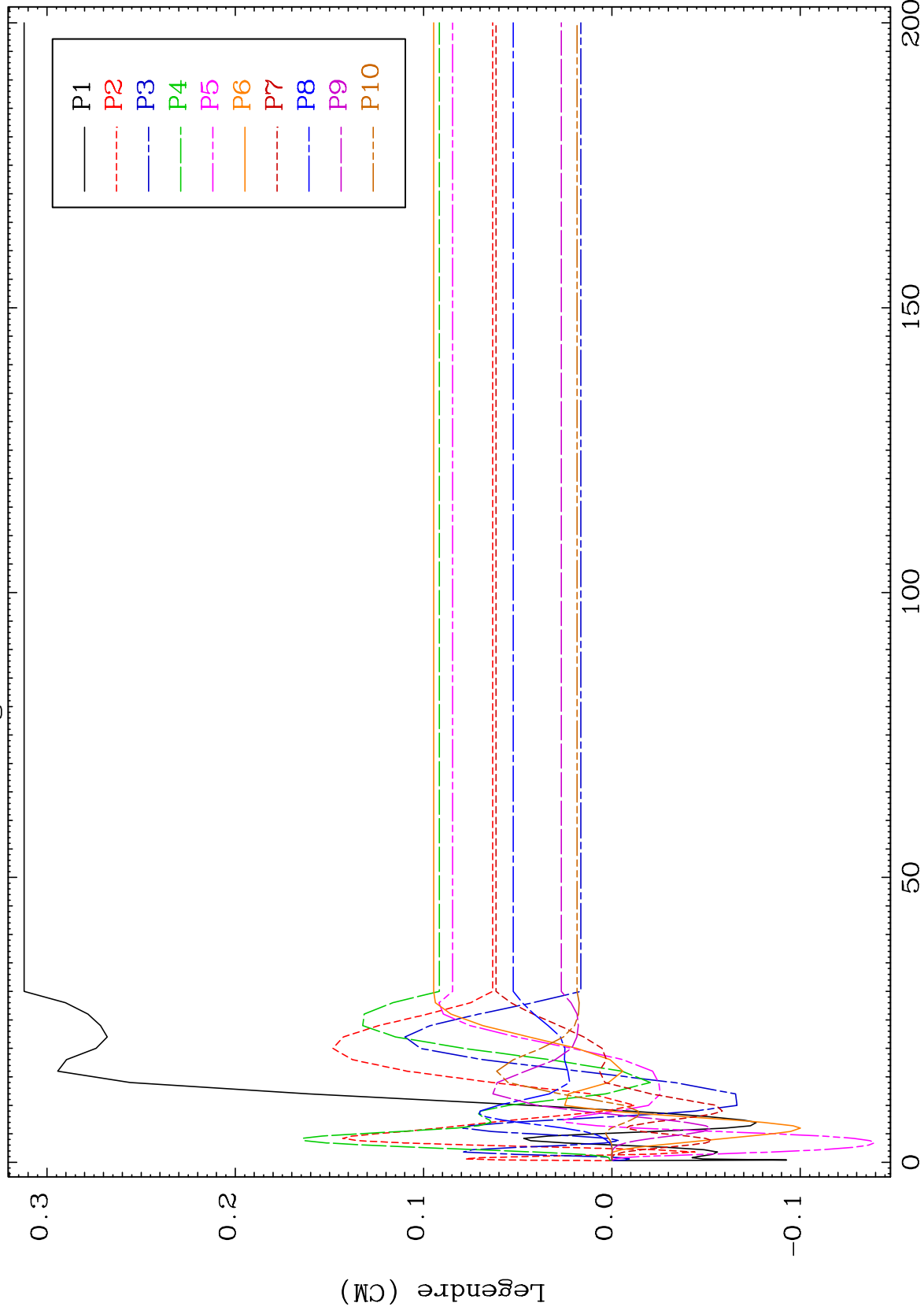
71-Lu-168



MAT 7104

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

71-Lu-168



43

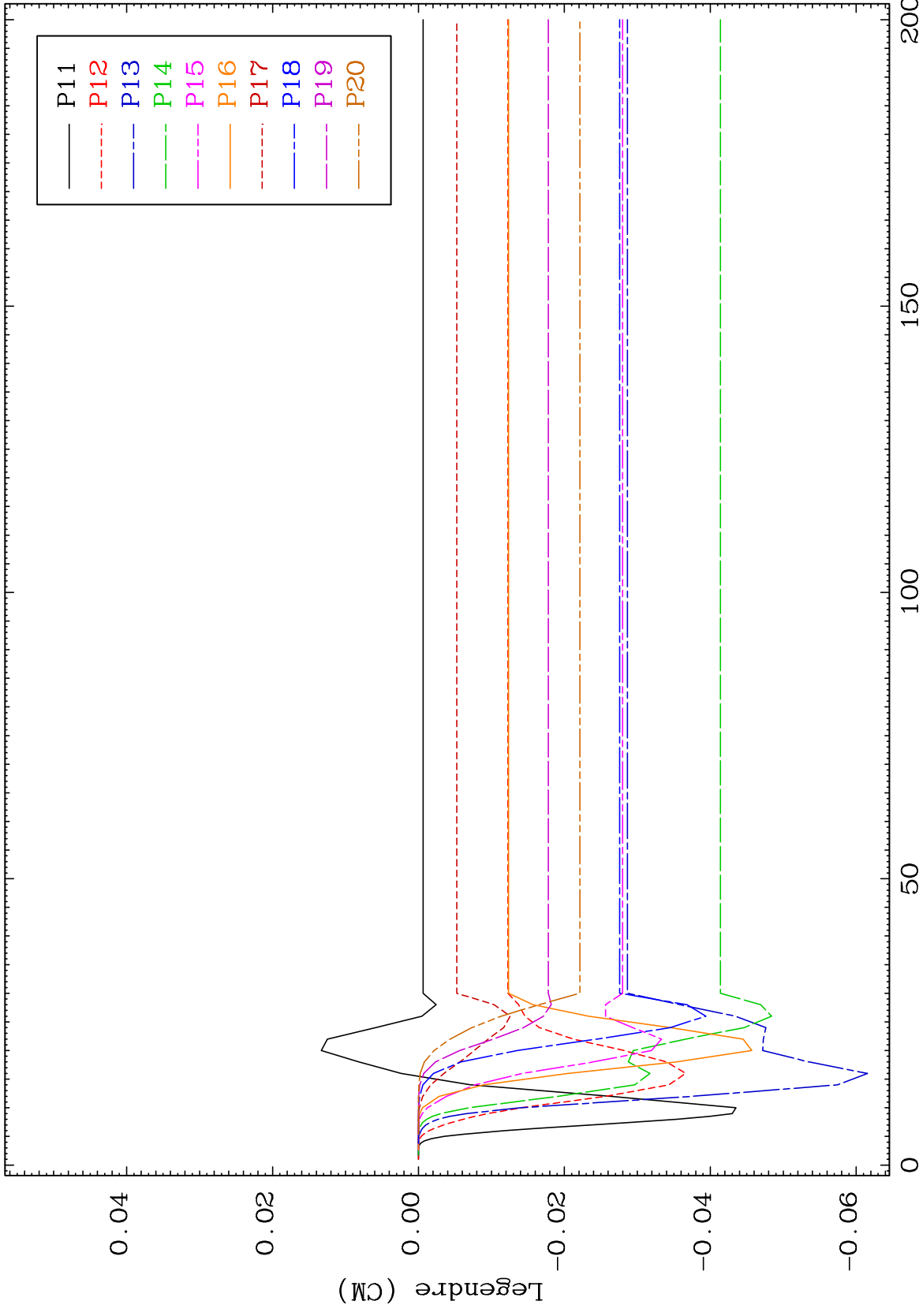
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

71-Lu-168



44

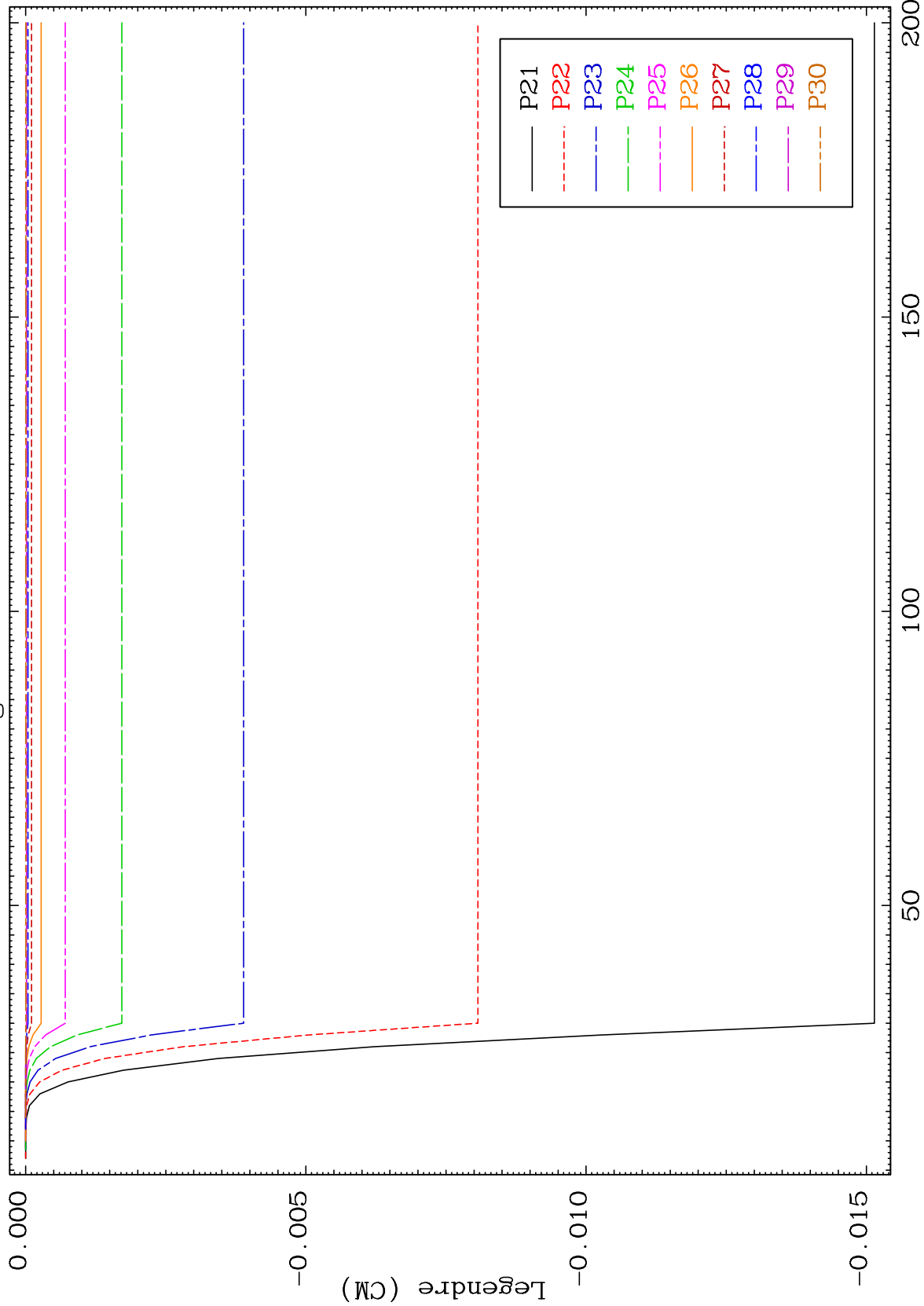
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

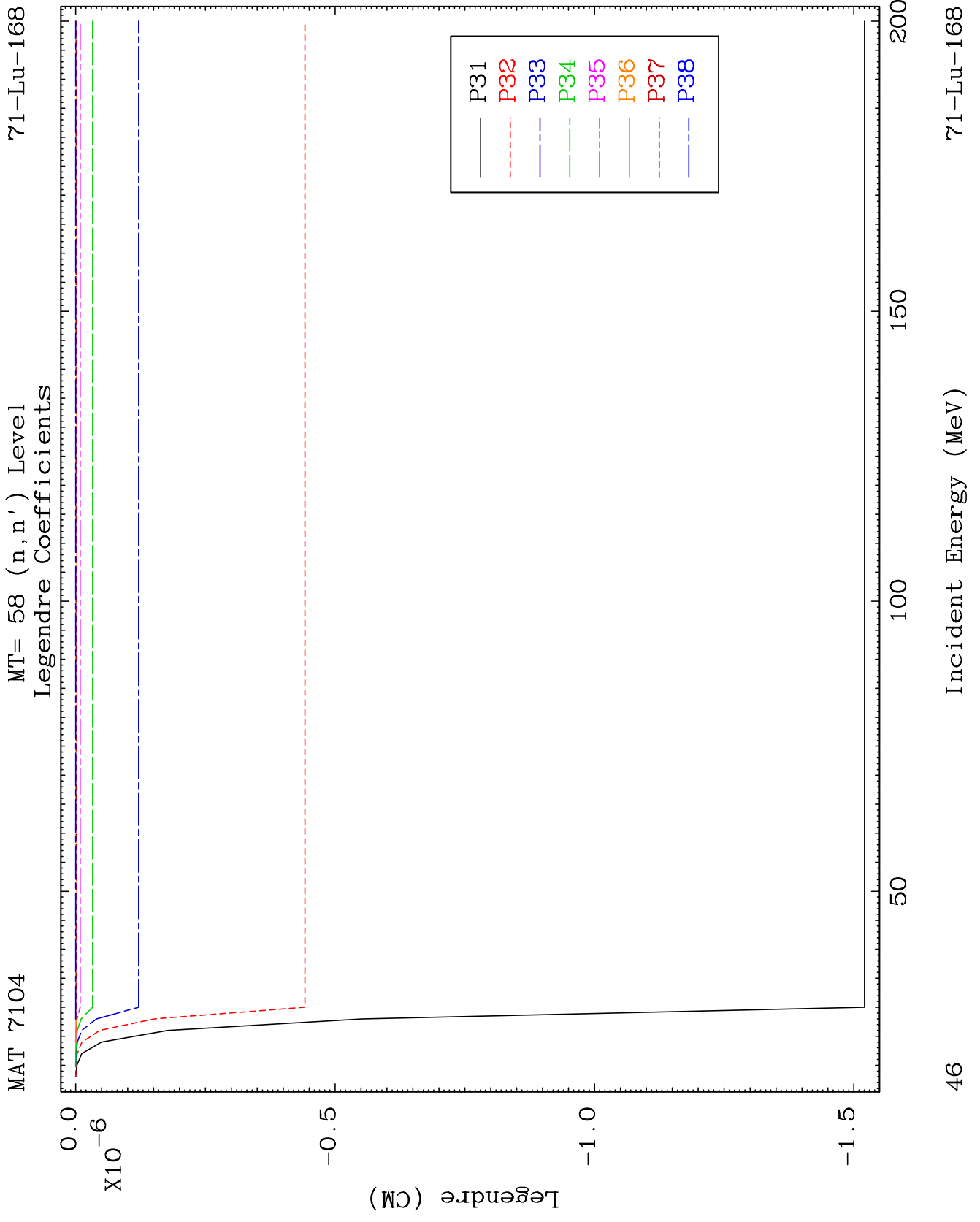
71-Lu-168



71-Lu-168

Incident Energy (MeV)

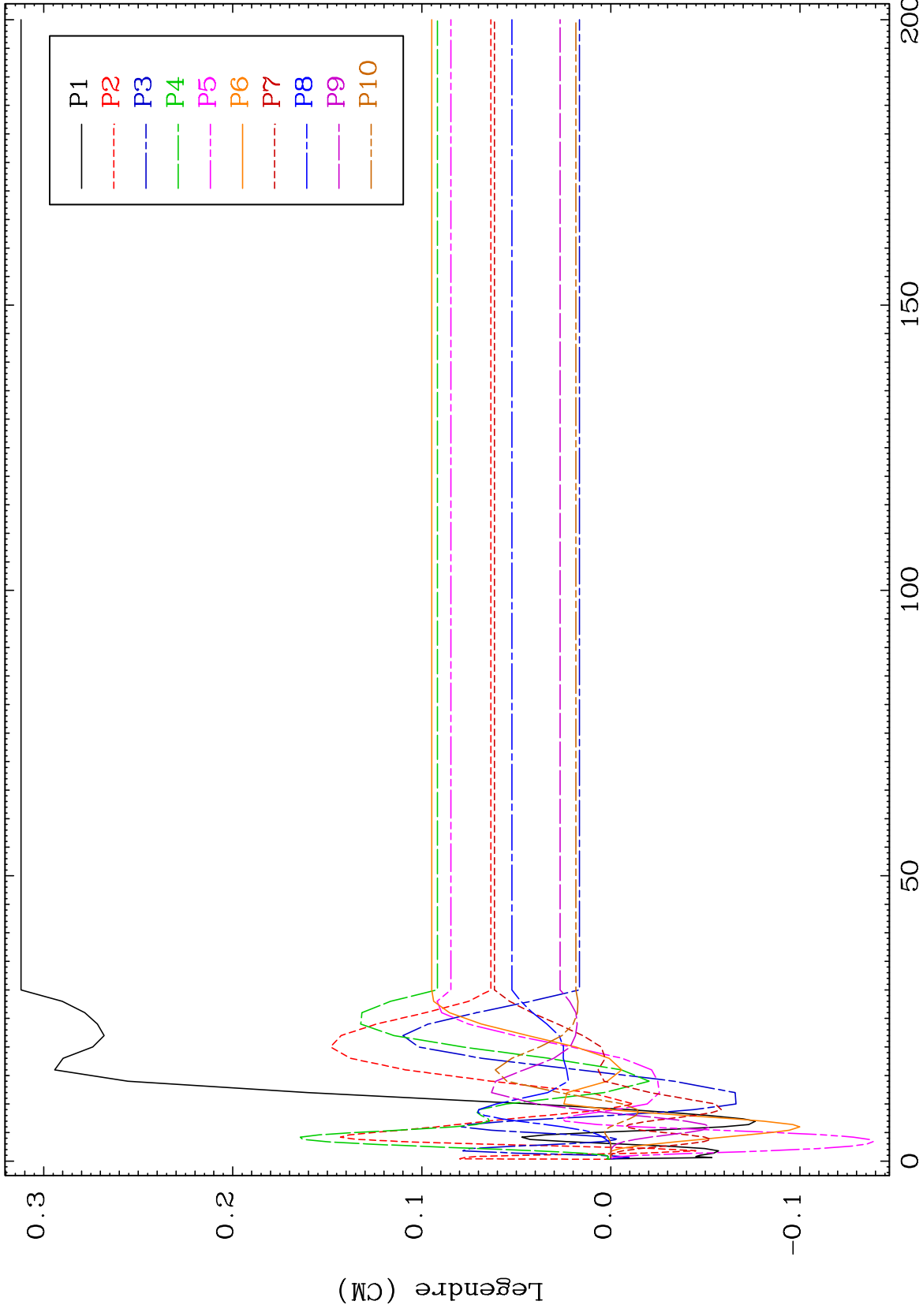
45



MAT 7104

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

71-Lu-168



47

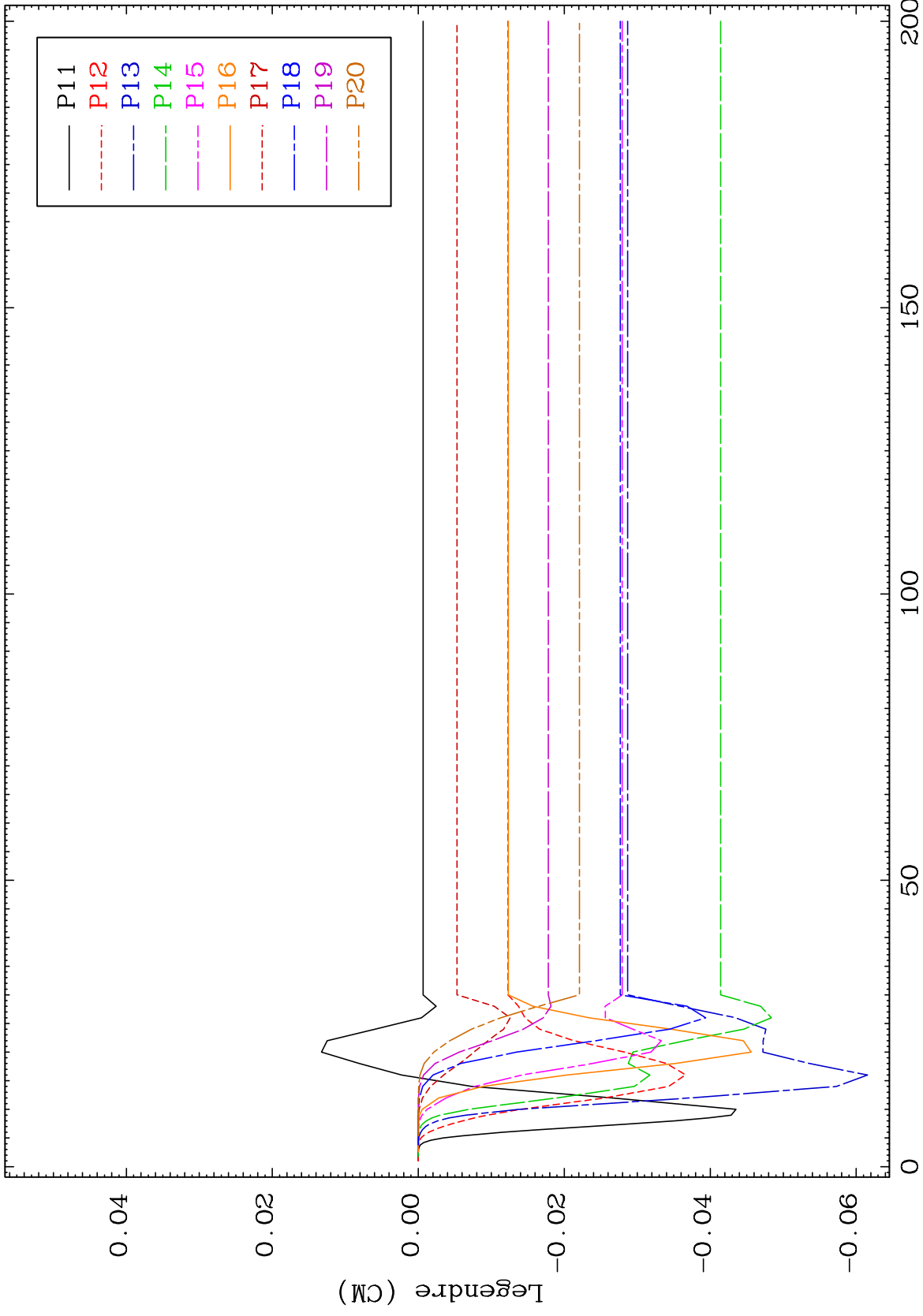
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

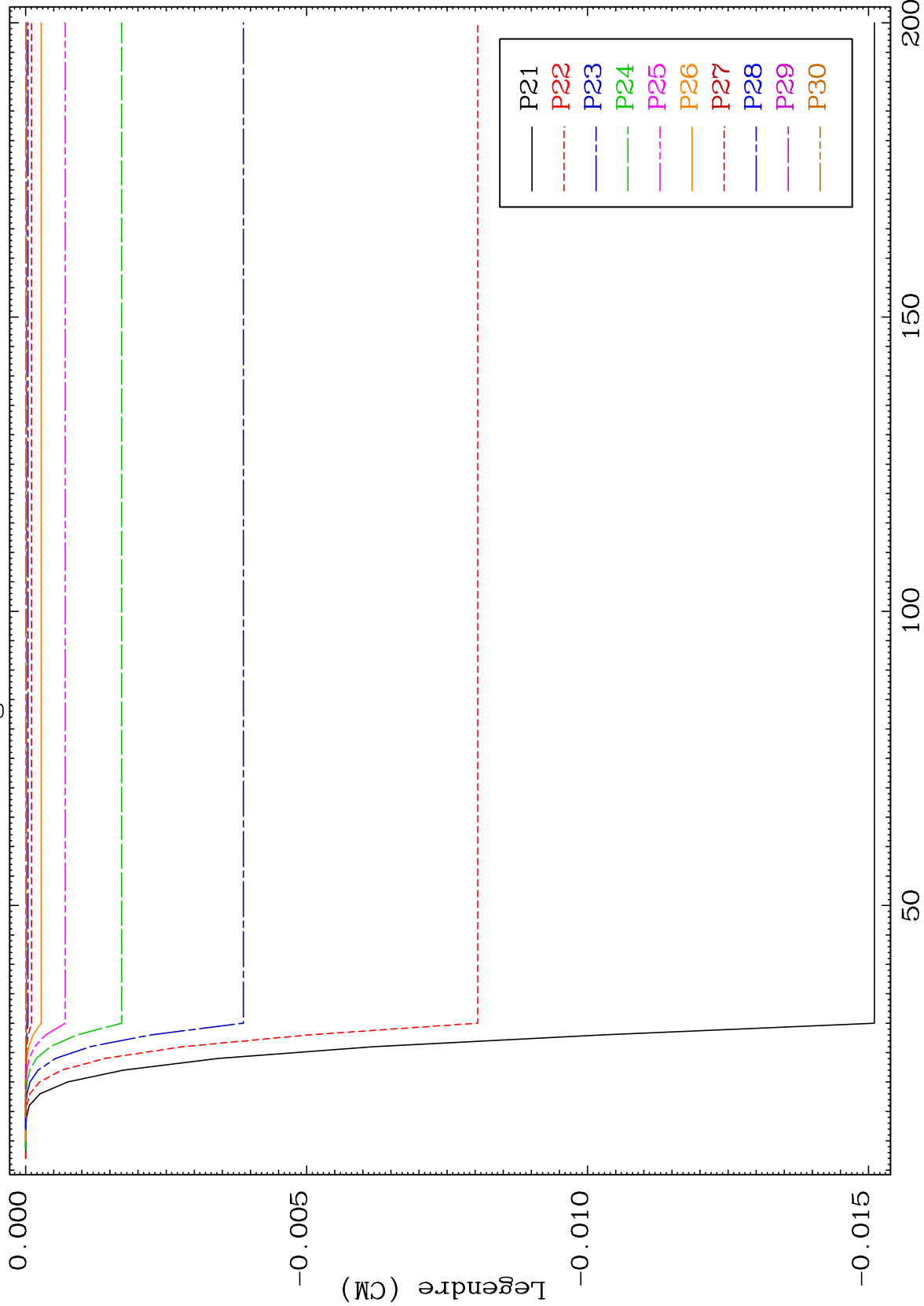
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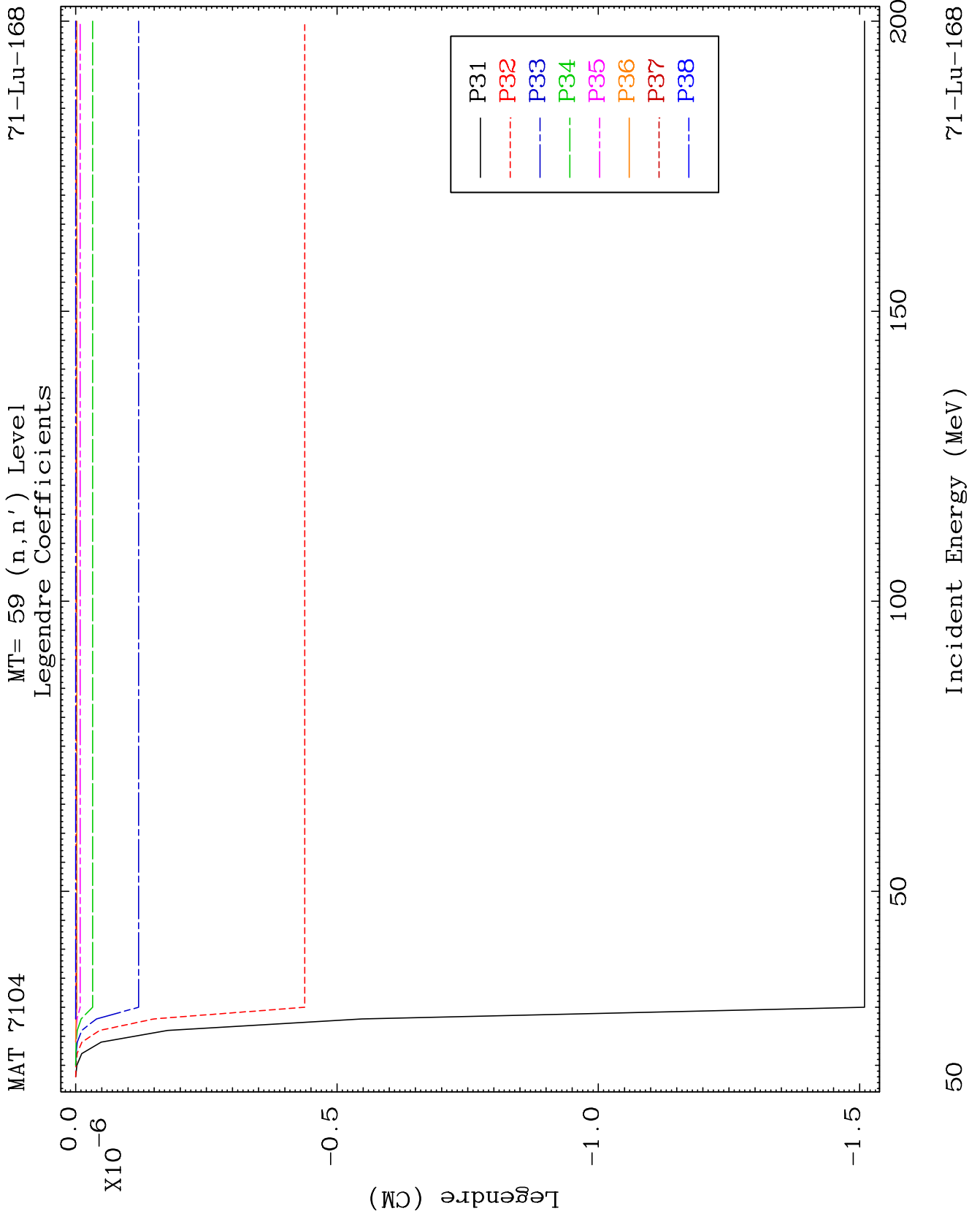


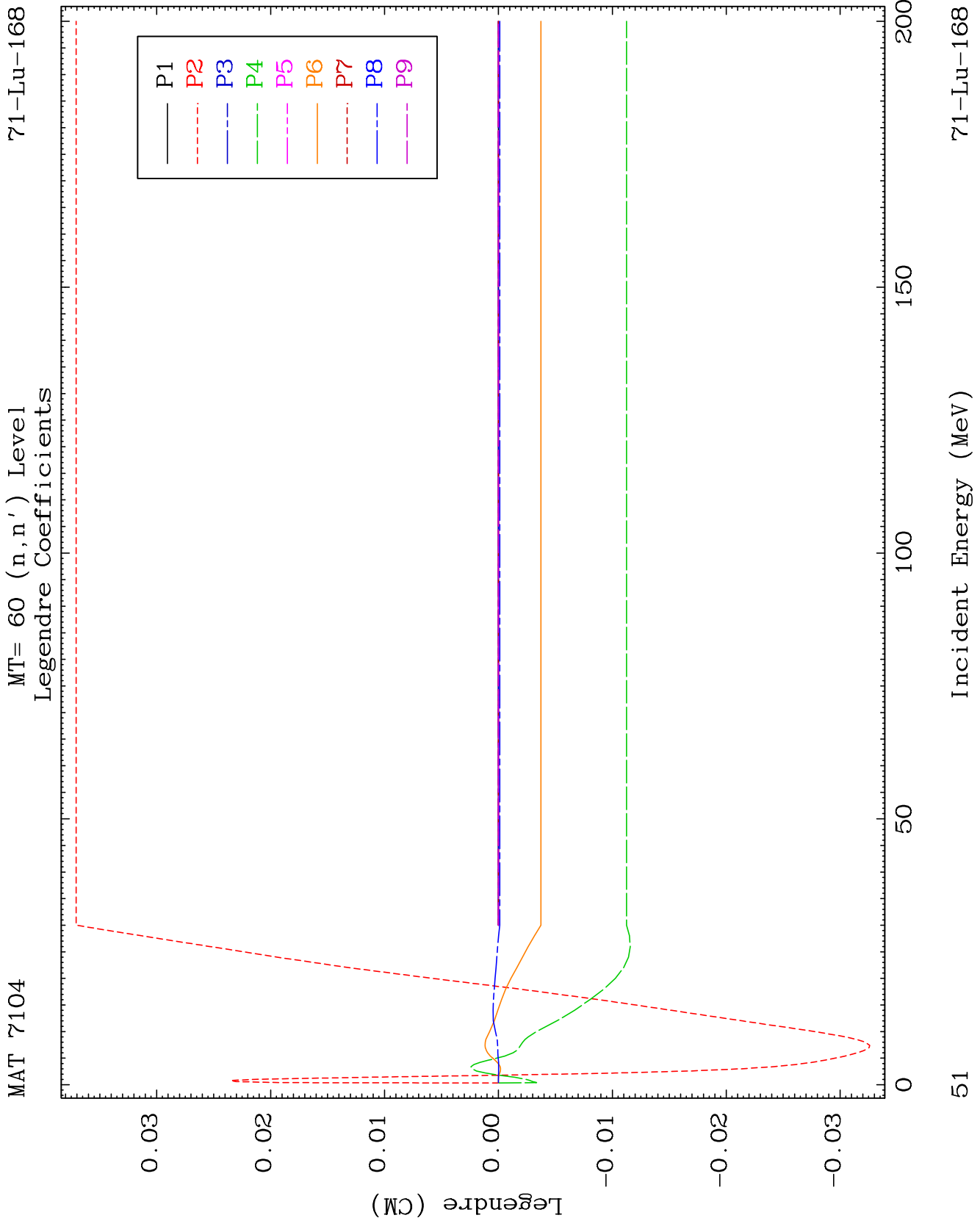
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71-Lu-168

71-Lu-168



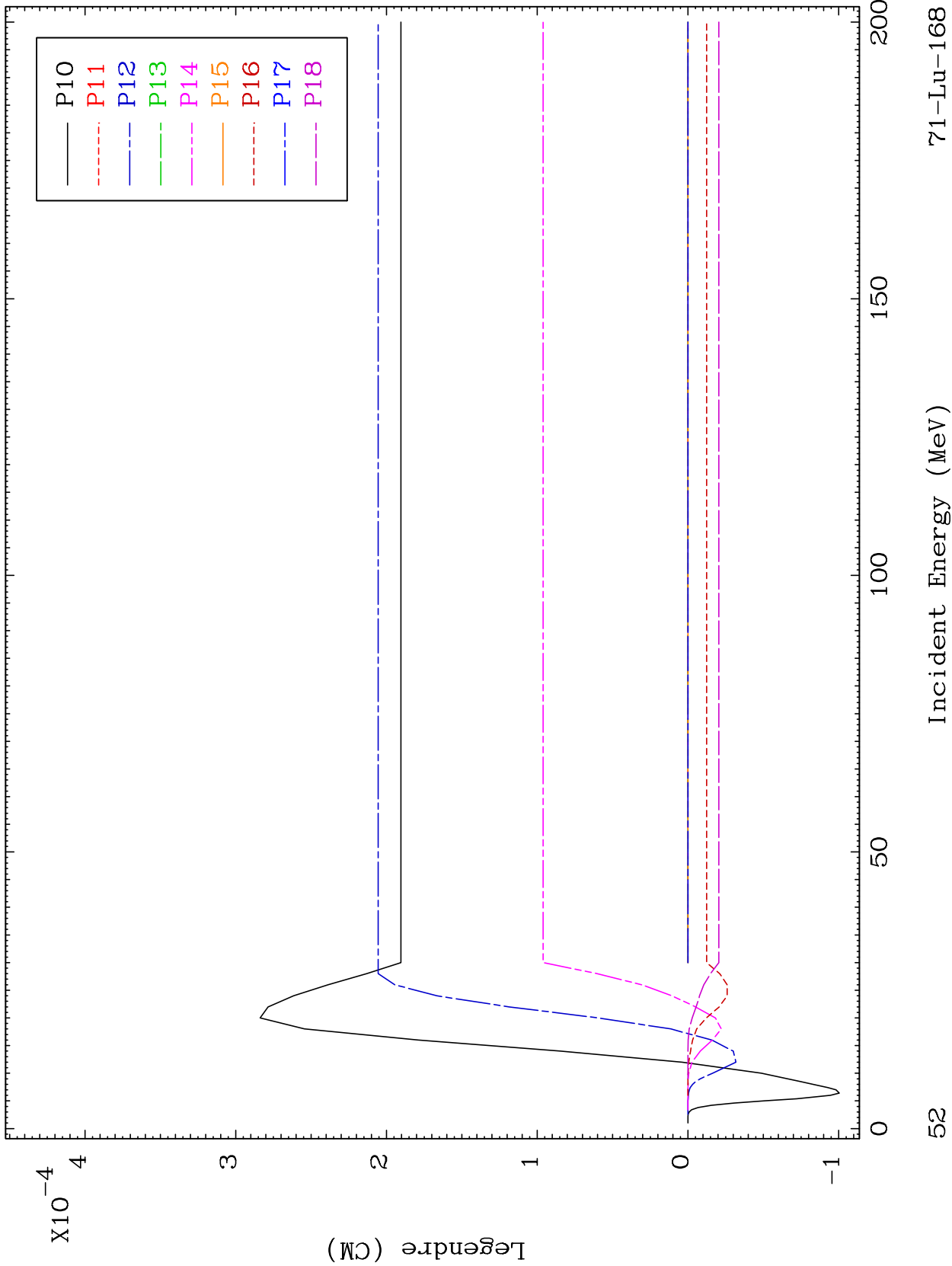




MAT 7104

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

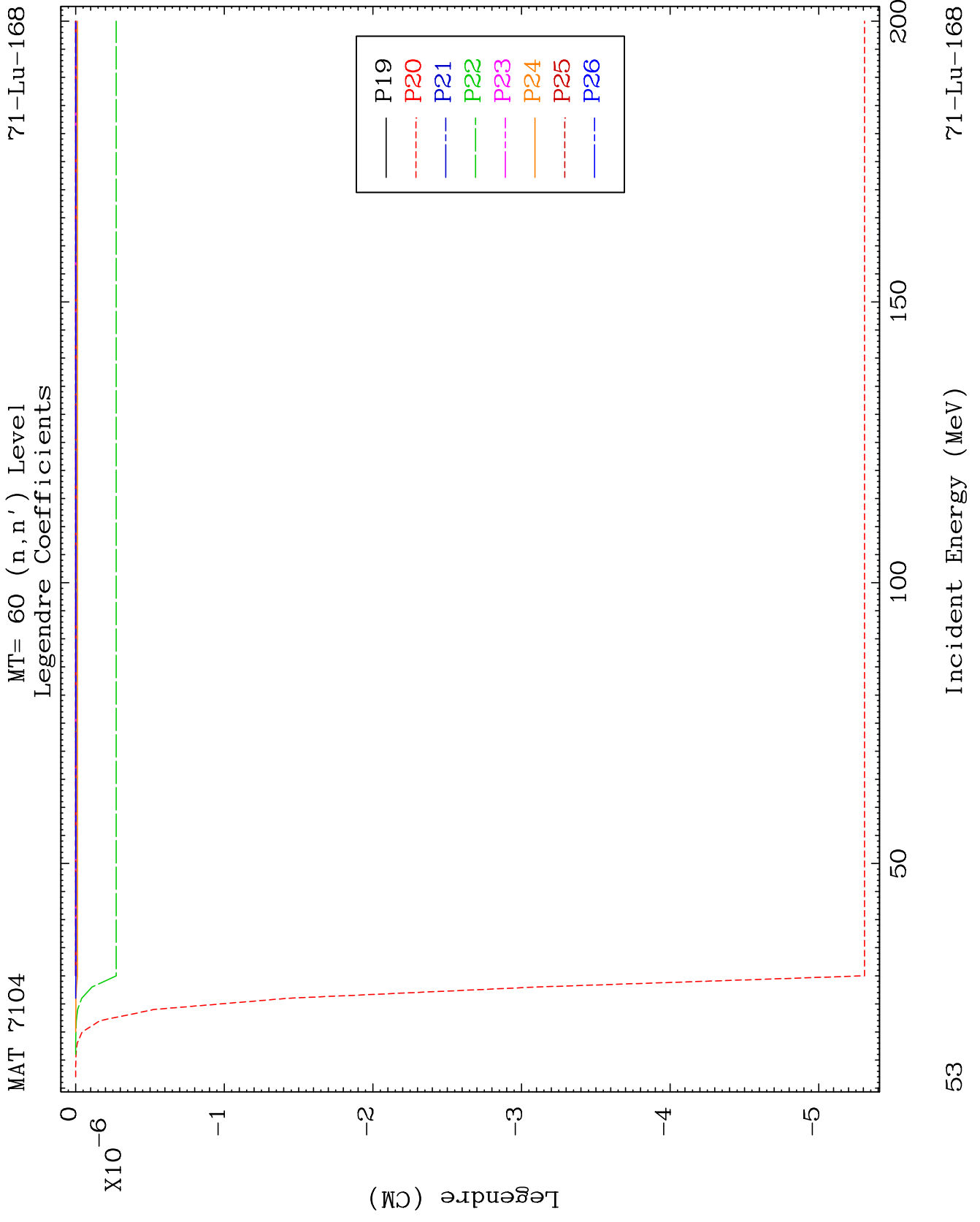
71-Lu-168



71-Lu-168

Incident Energy (MeV)

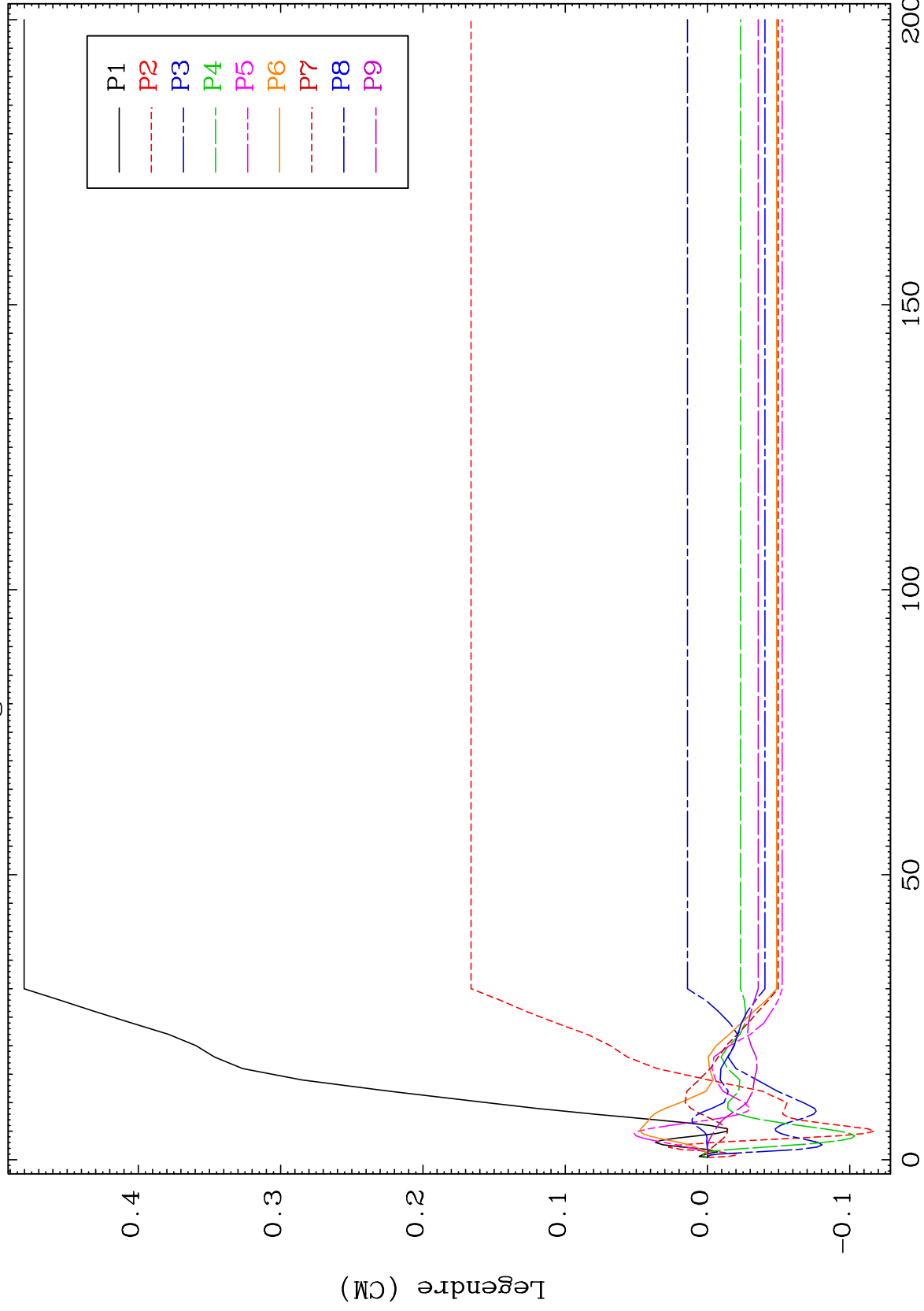
52



MAT 7104

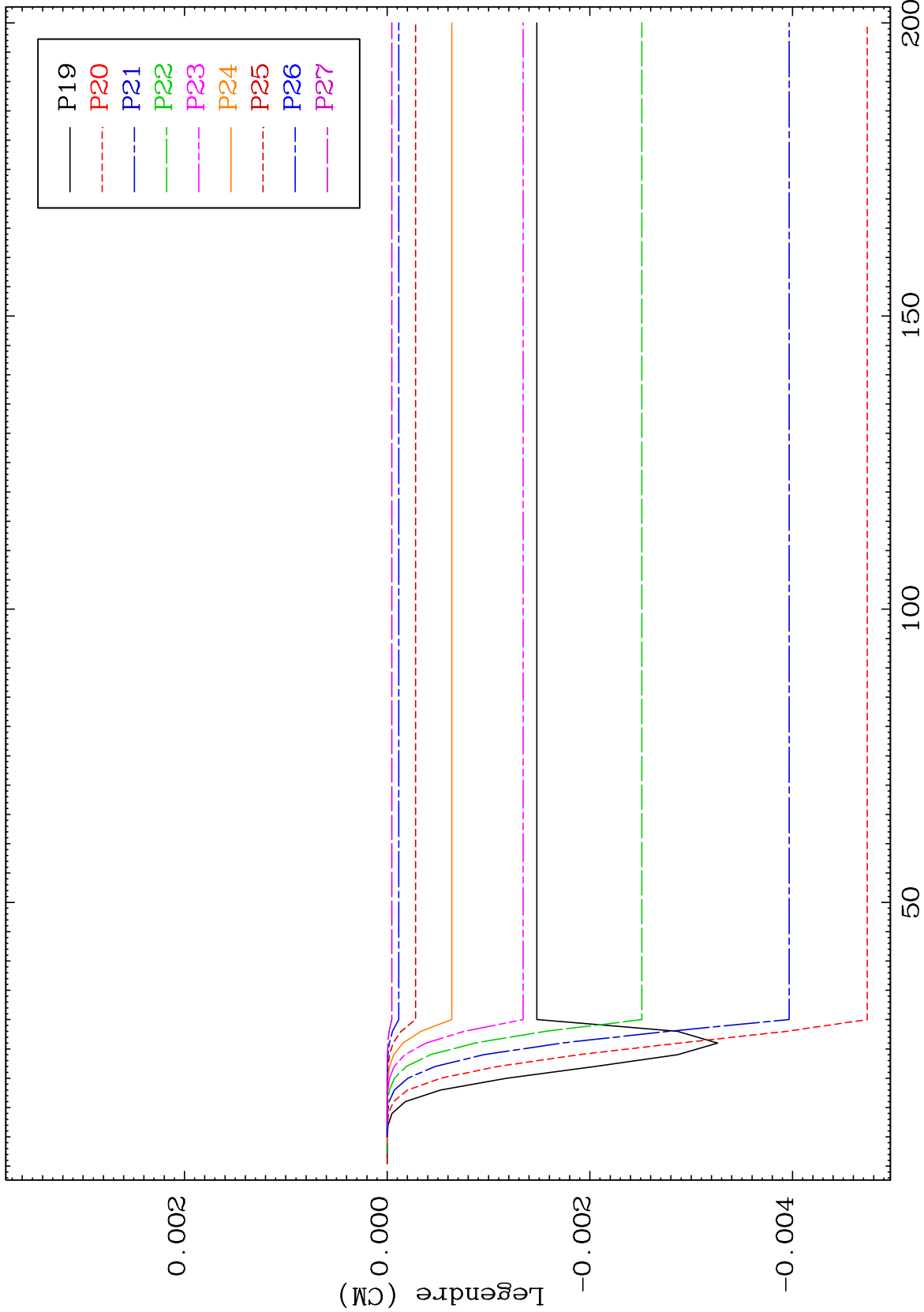
MT= 61 (n,n') Level
Legendre Coefficients

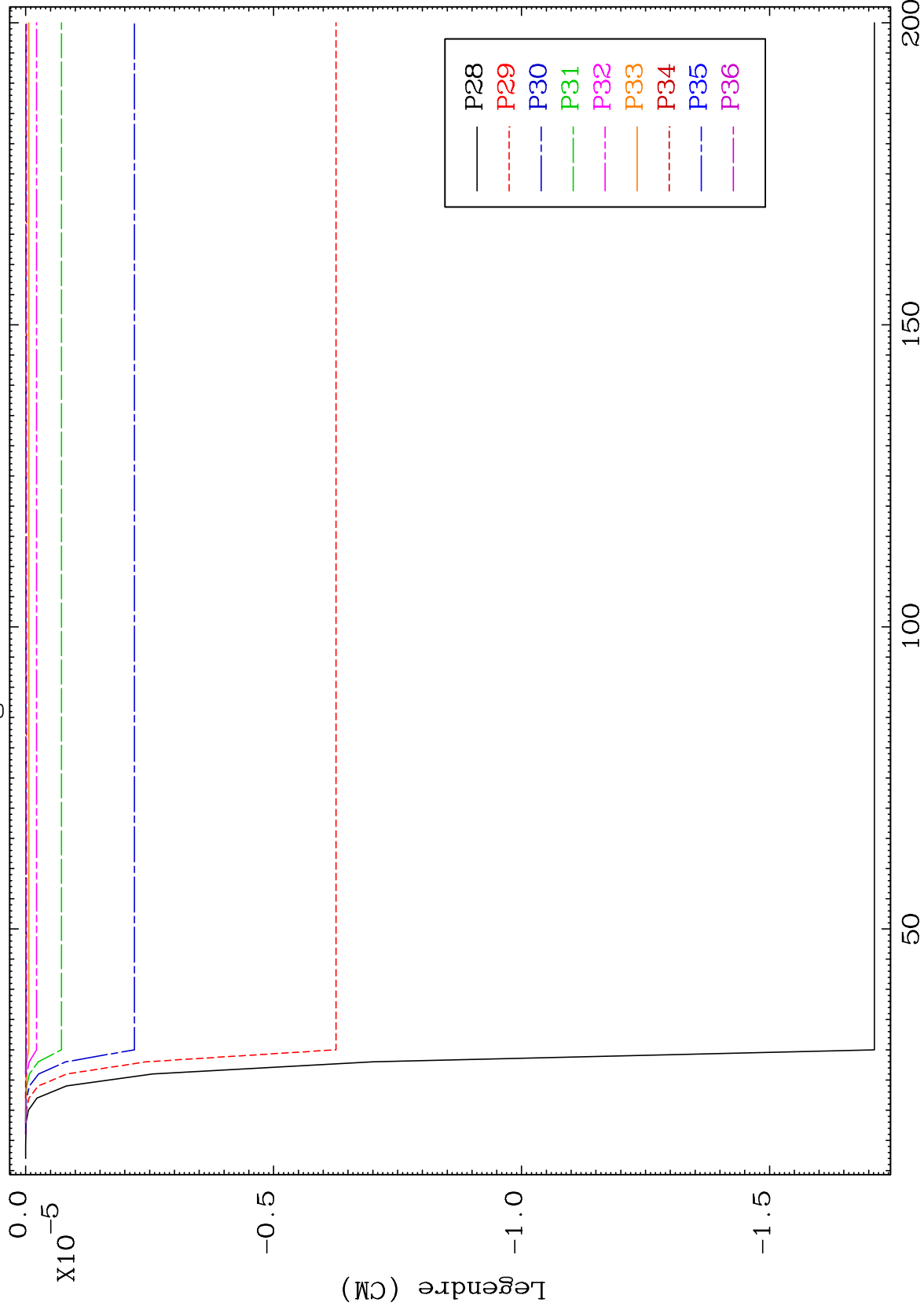
71-Lu-168



54

71-Lu-168

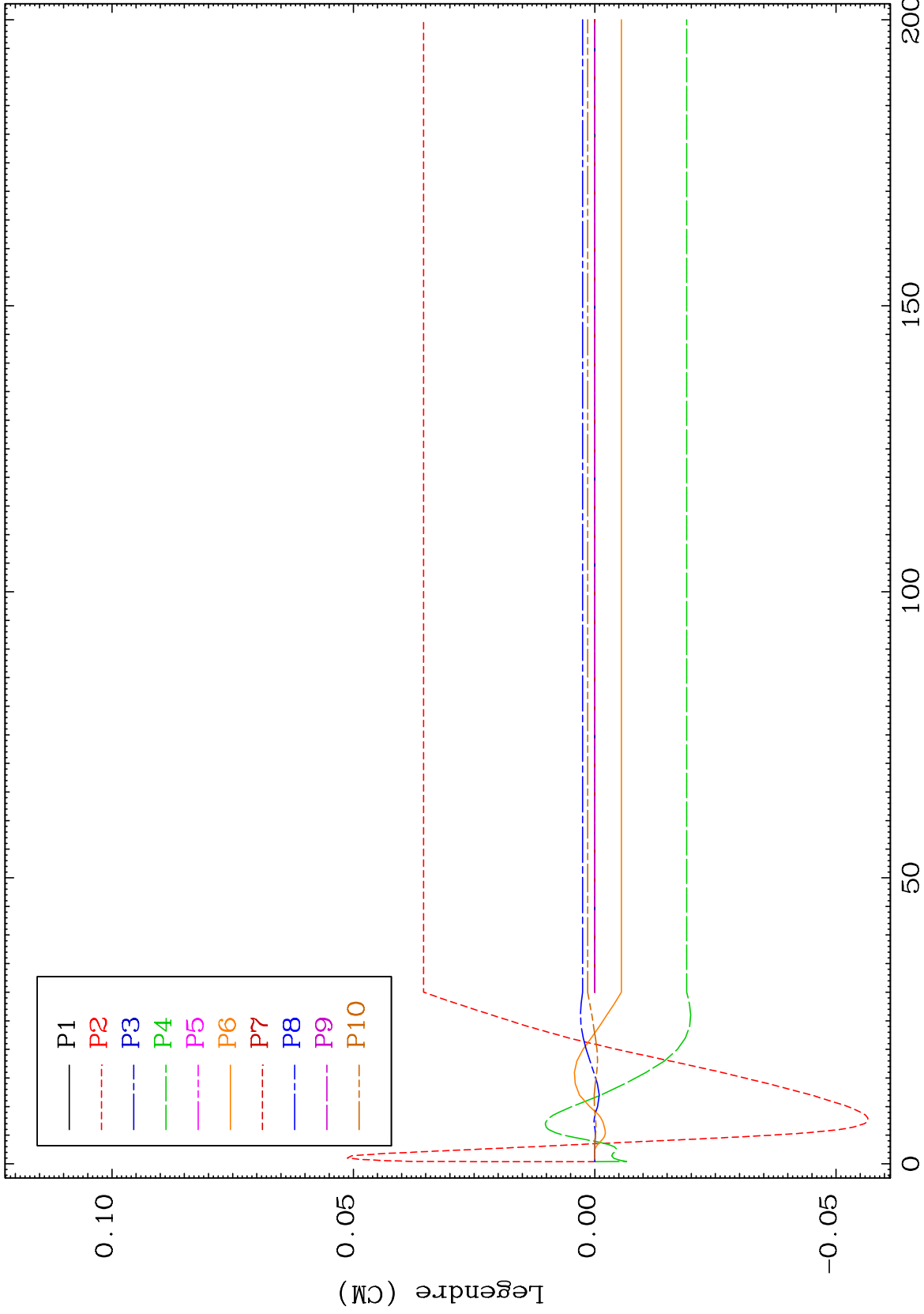




MAT 7104

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

71-Lu-168



71-Lu-168

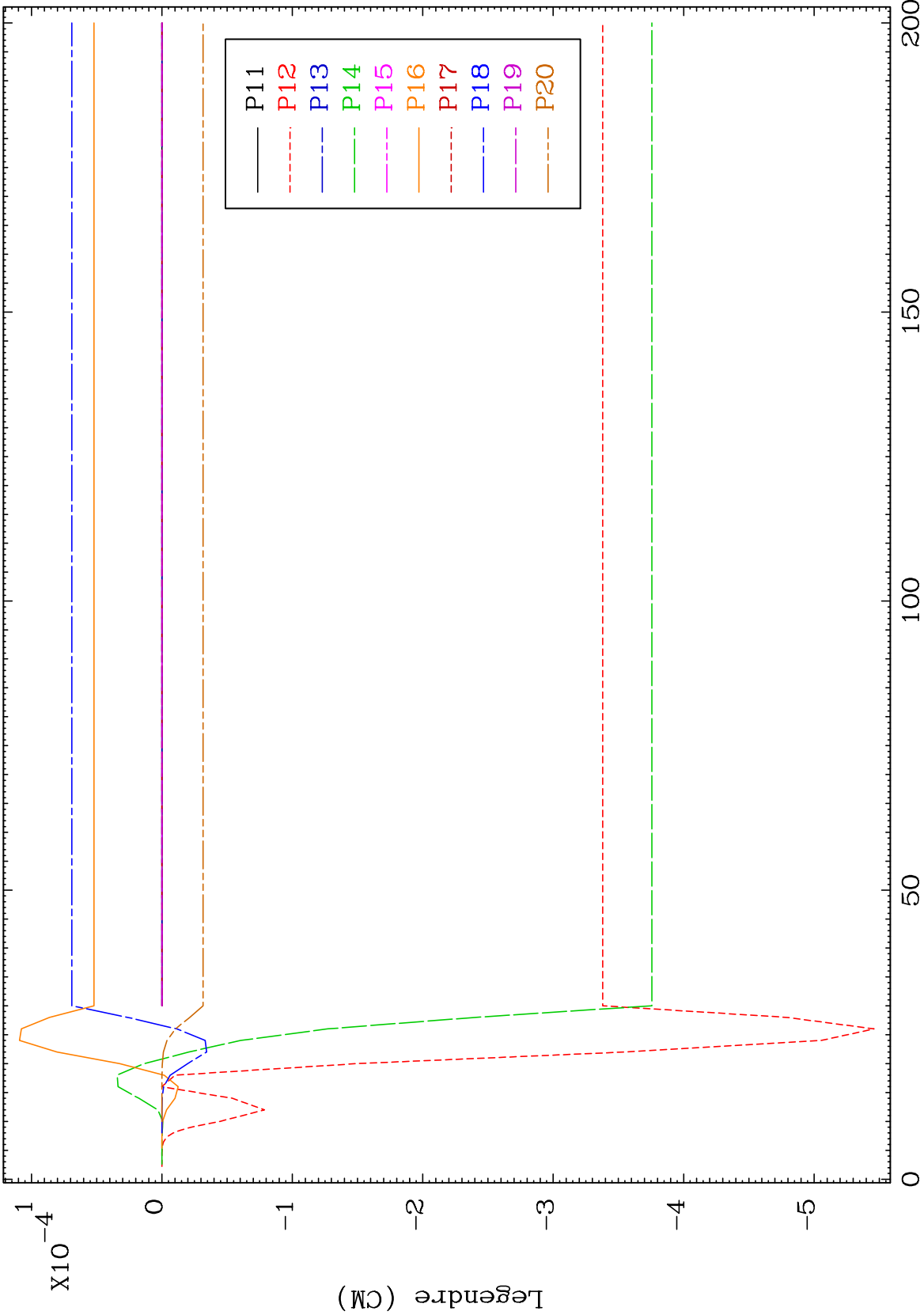
Incident Energy (MeV)

58

MAT 7104

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

71-Lu-168



59

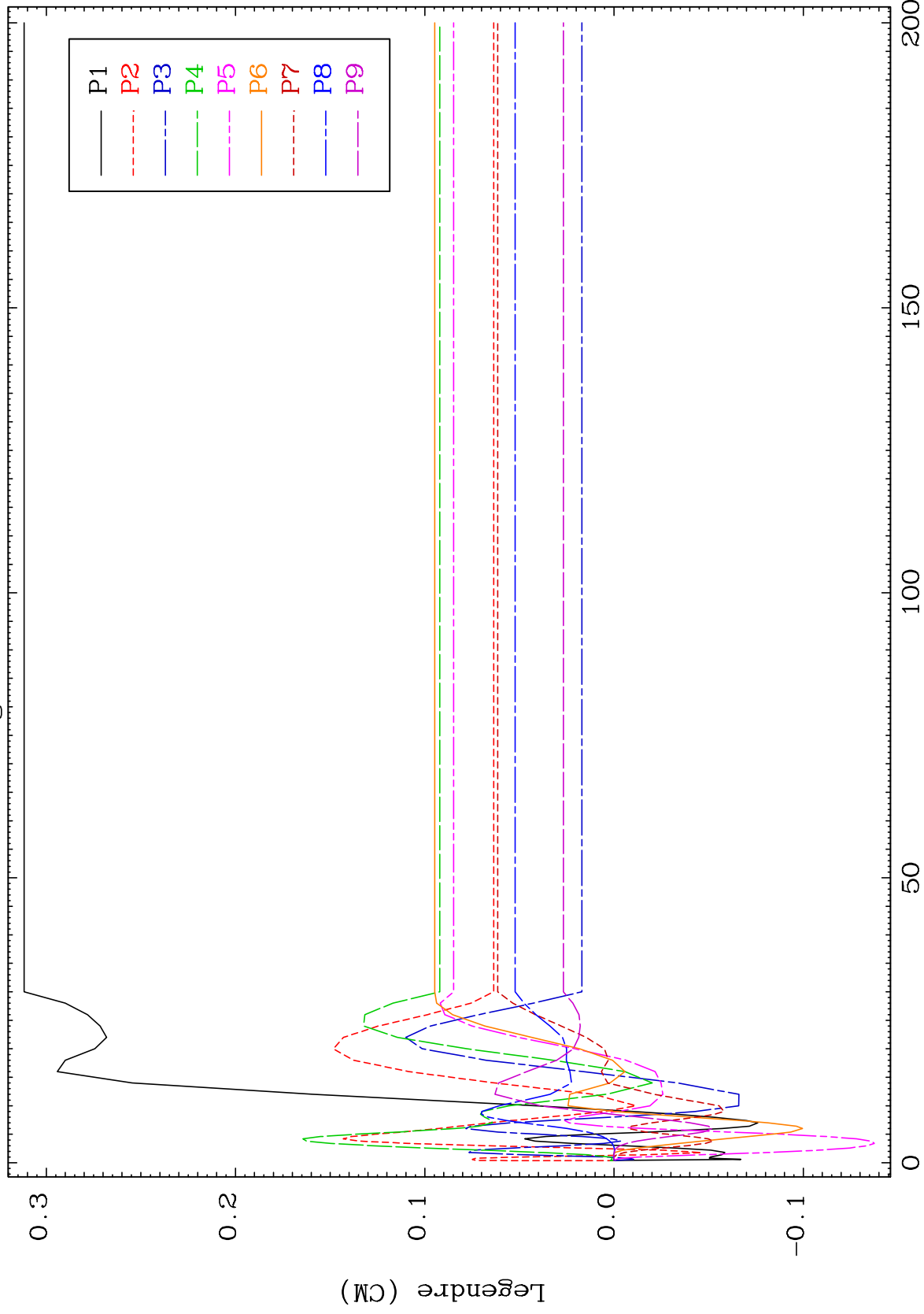
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

71-Lu-168



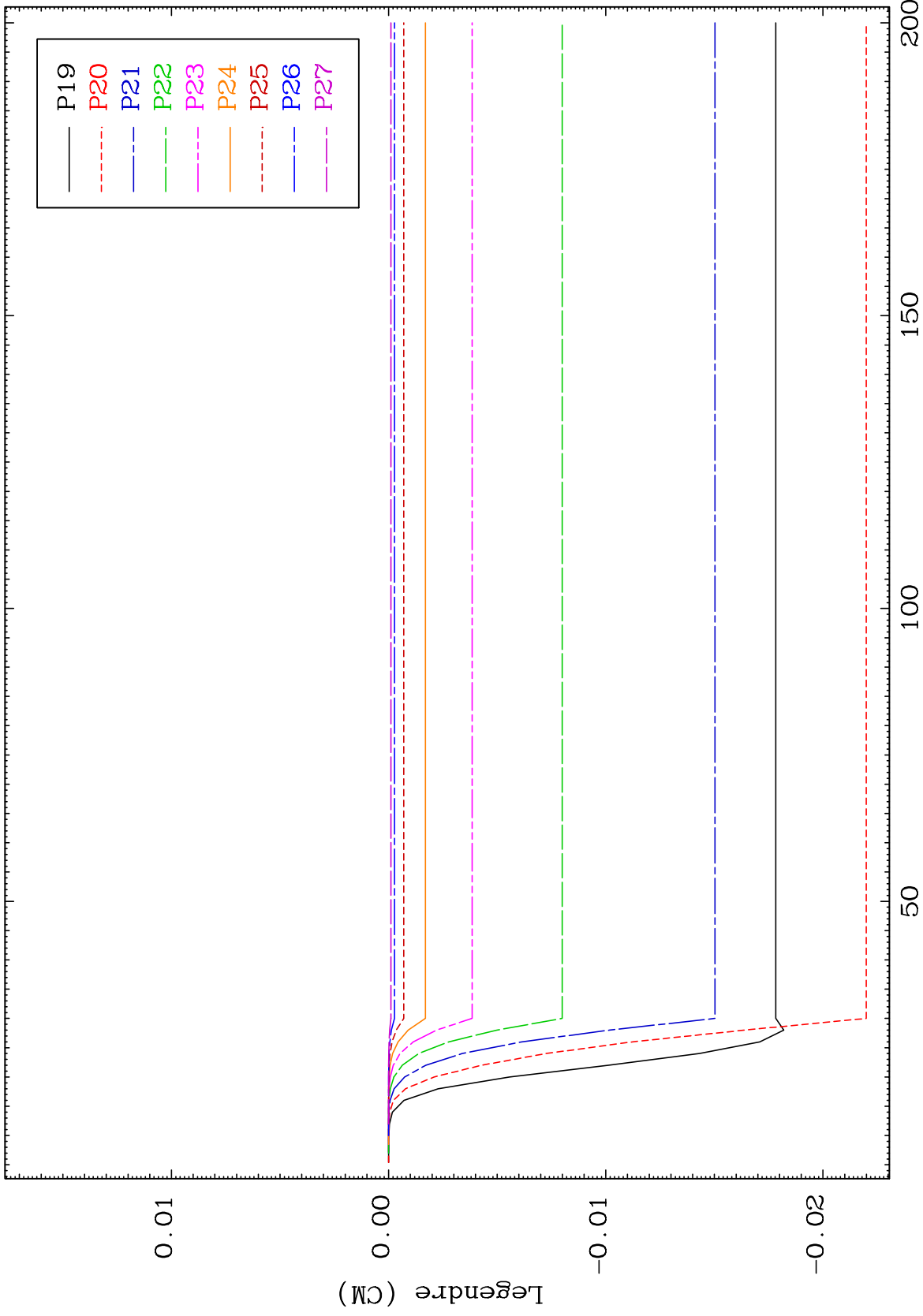
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71-Lu-168

MAT 7104

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

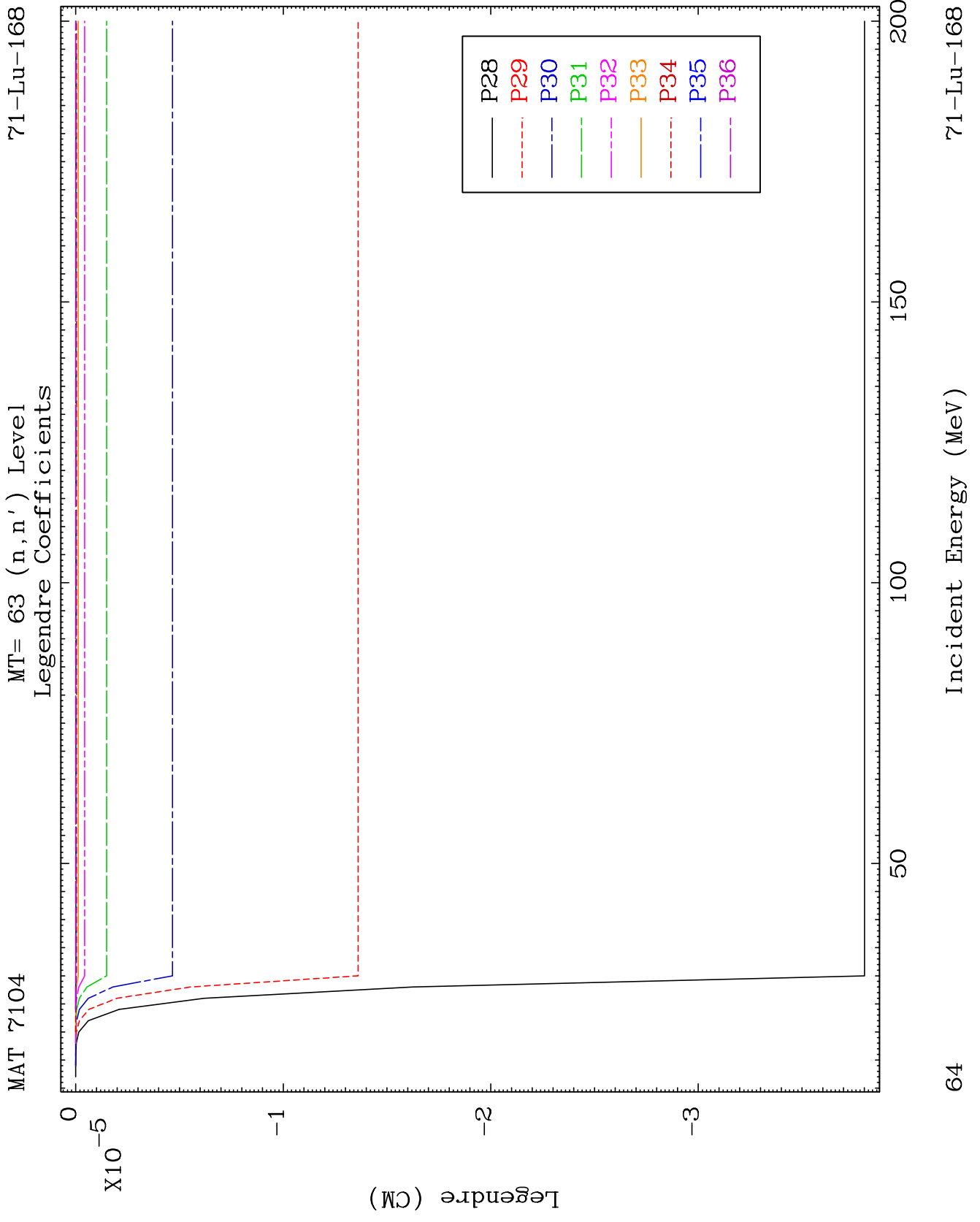
71-Lu-168



63

Incident Energy (MeV)

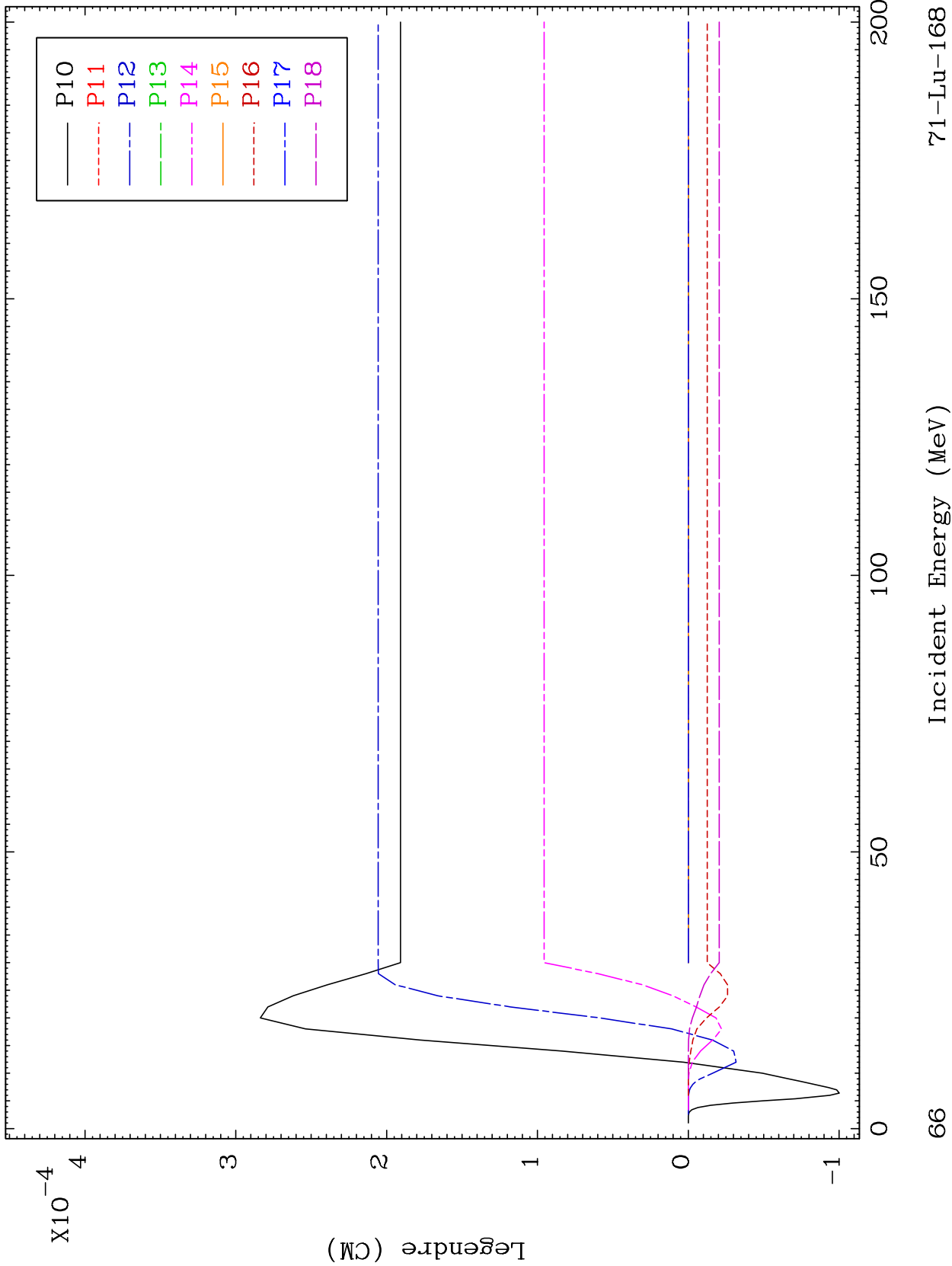
71-Lu-168



MAT 7104

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

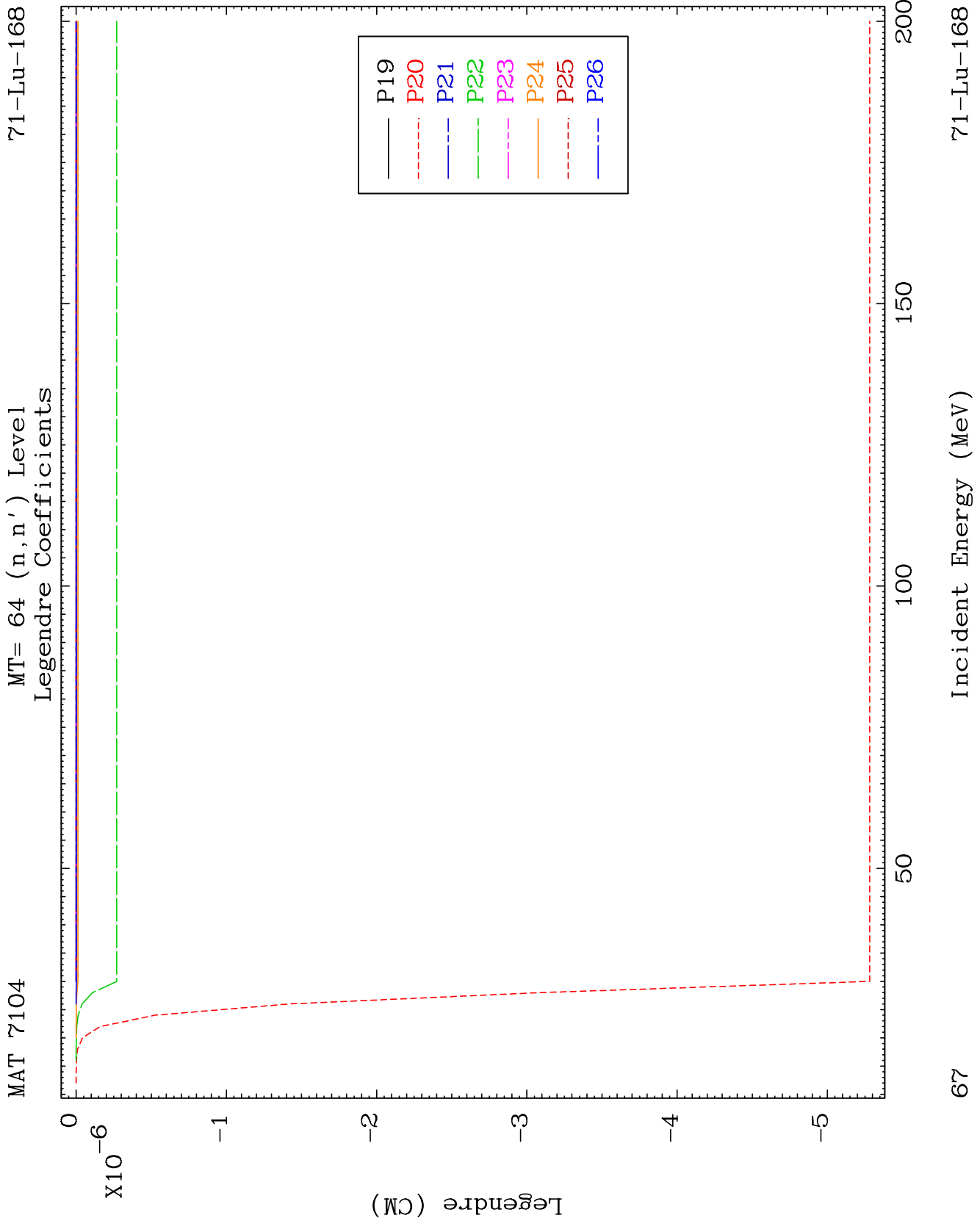
71-Lu-168



66

Incident Energy (MeV)

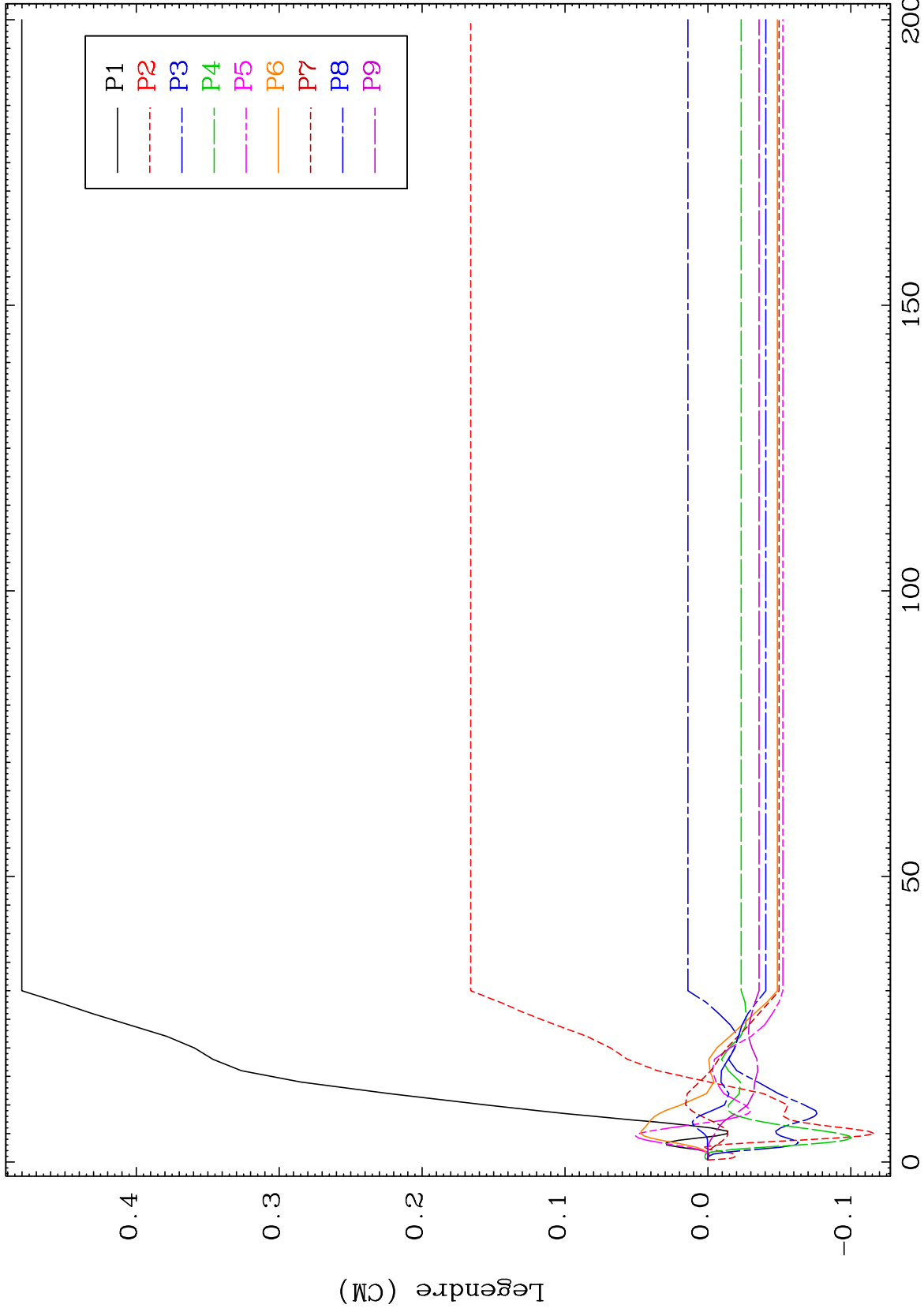
71-Lu-168



MAT 7104

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

71-Lu-168



71-Lu-168

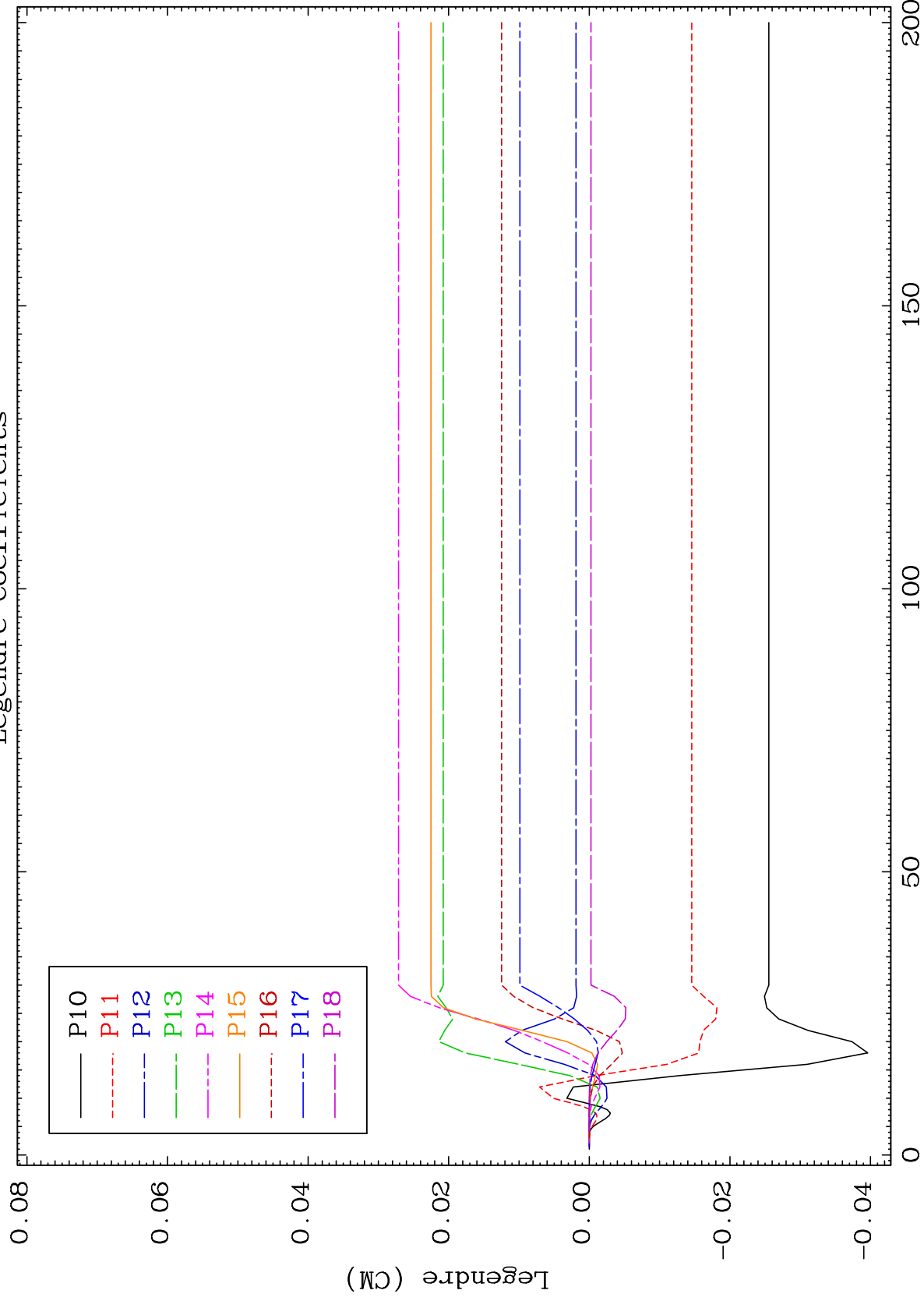
Incident Energy (MeV)

68

MAT 7104

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

71-Lu-168



69

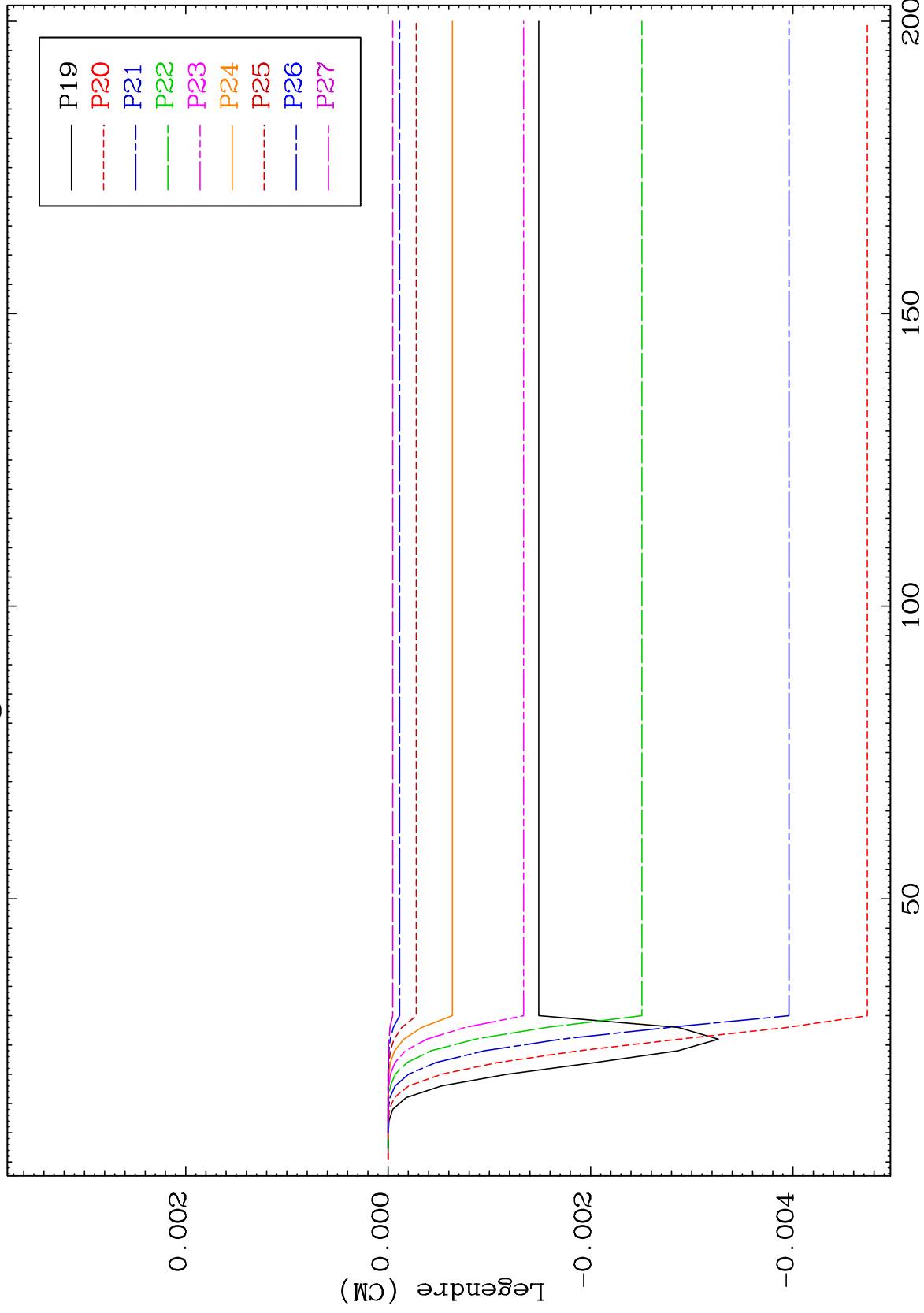
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

71-Lu-168



70

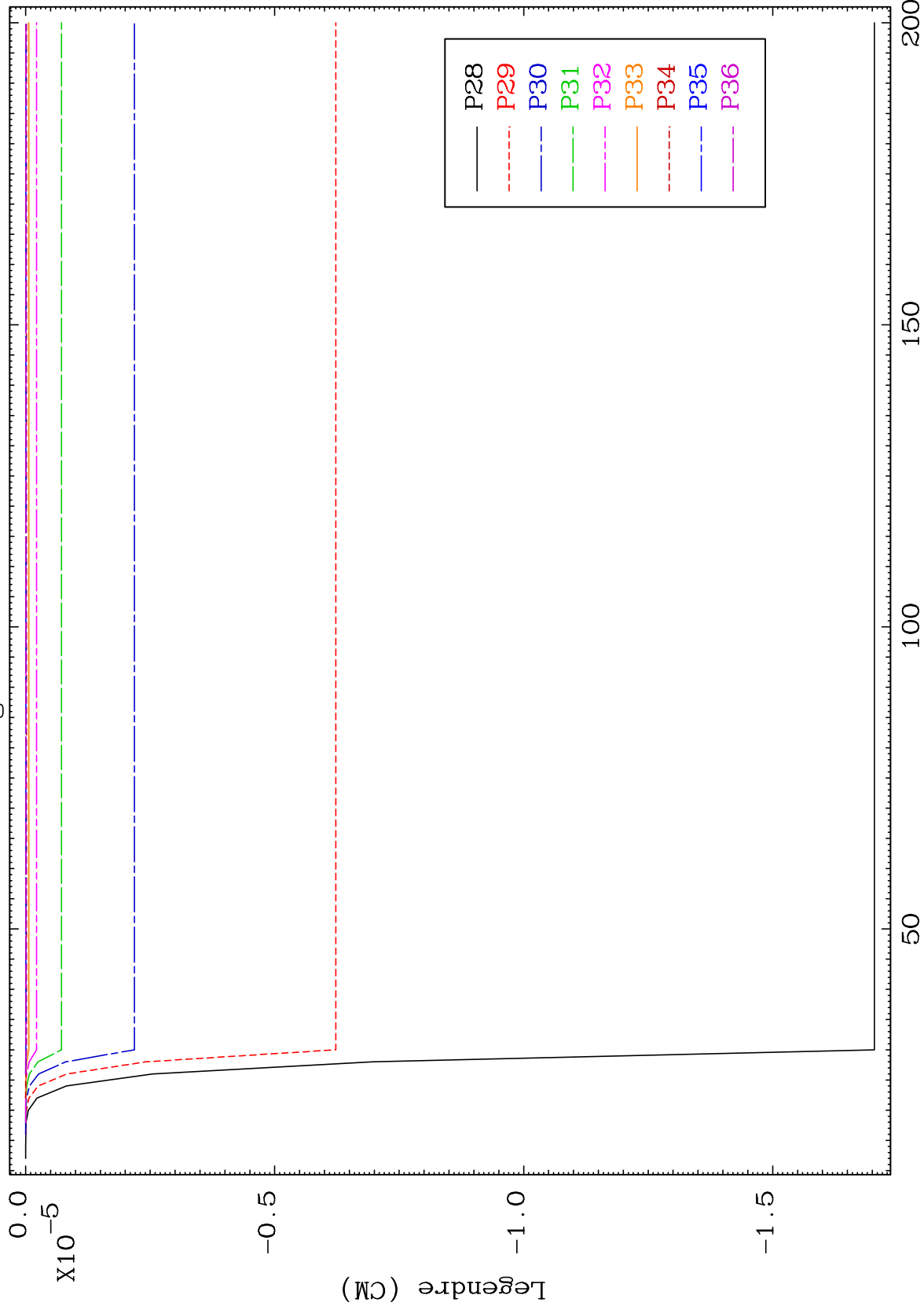
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

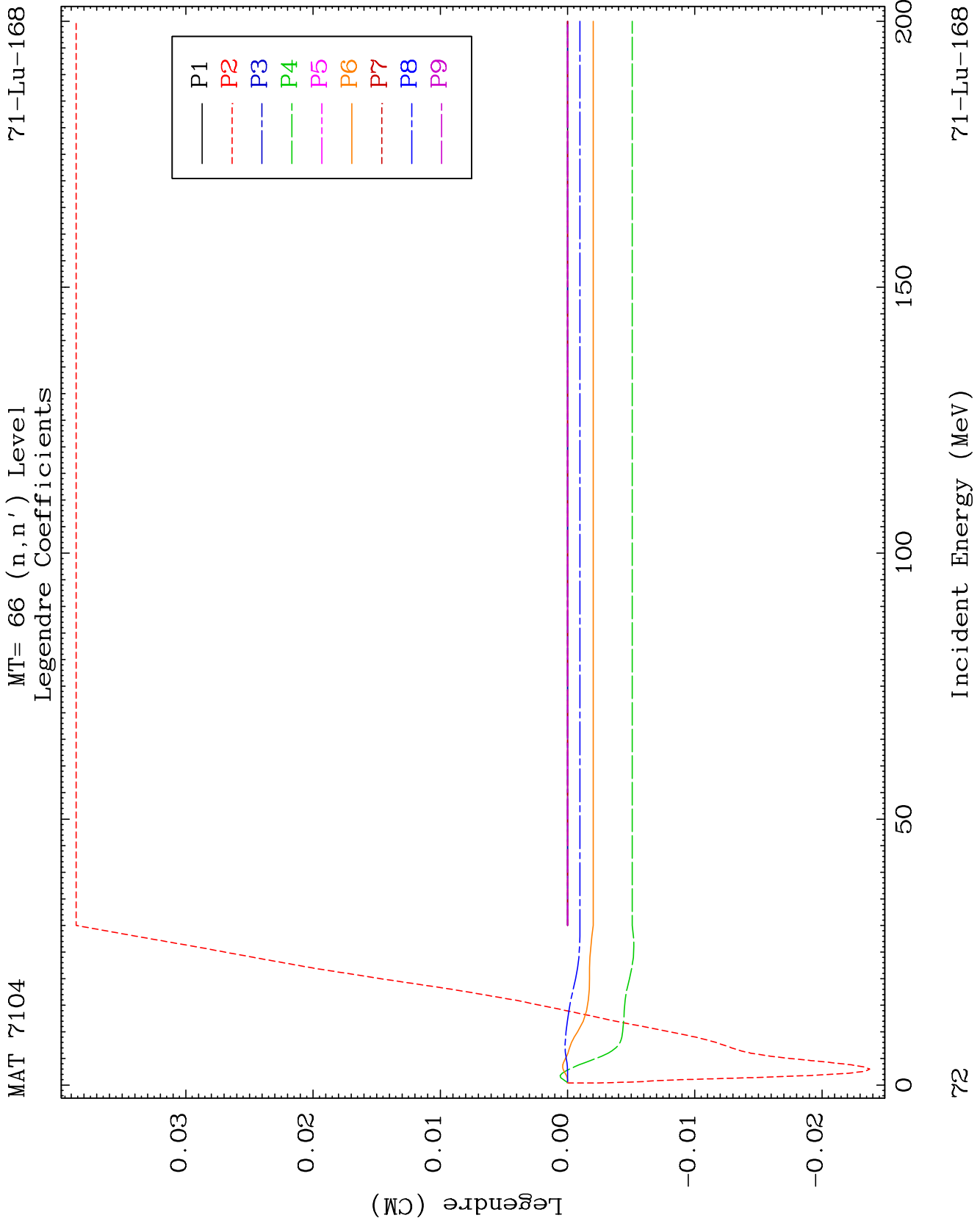
71-Lu-168



71-Lu-168

Incident Energy (MeV)

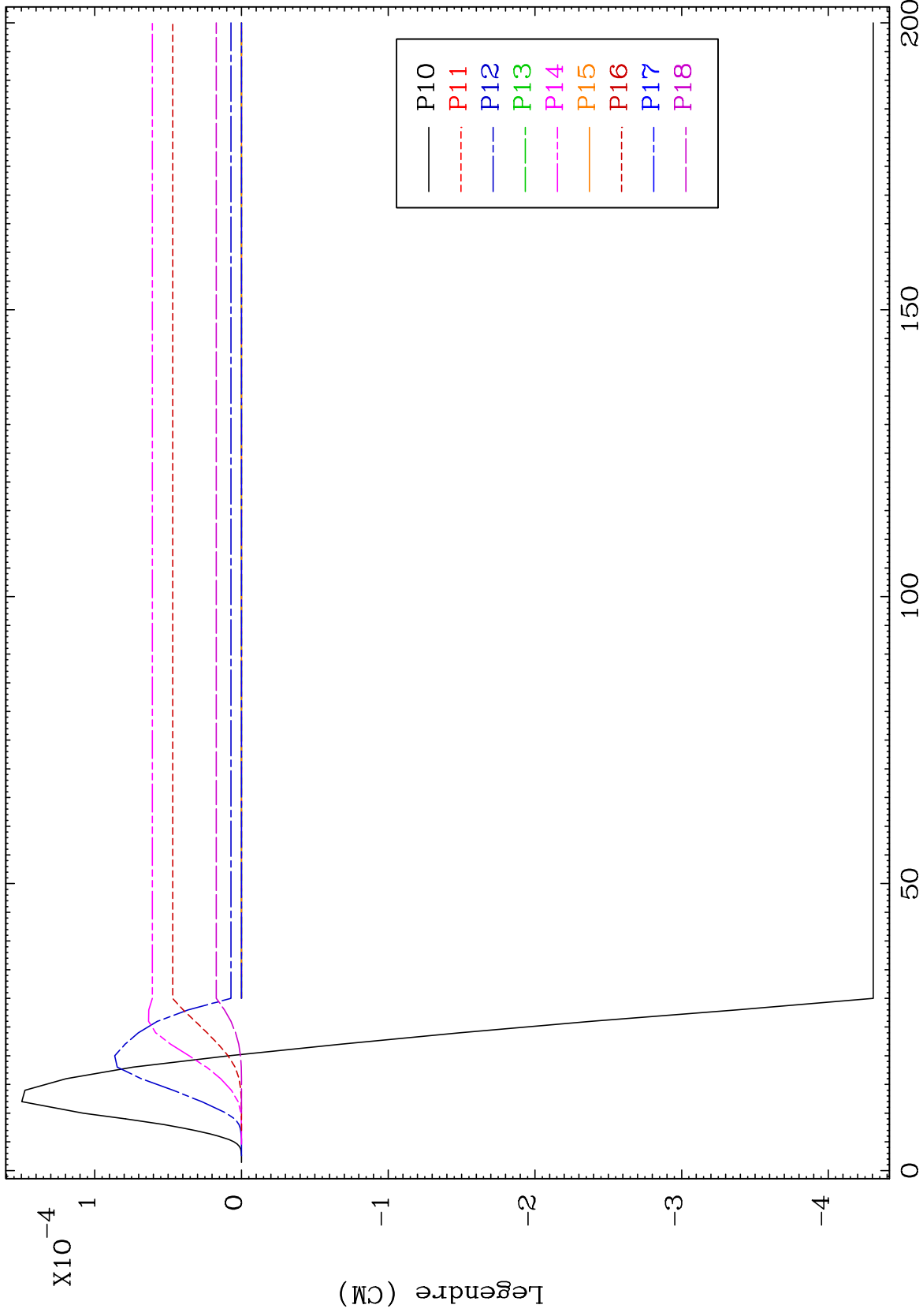
71



MAT 7104

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

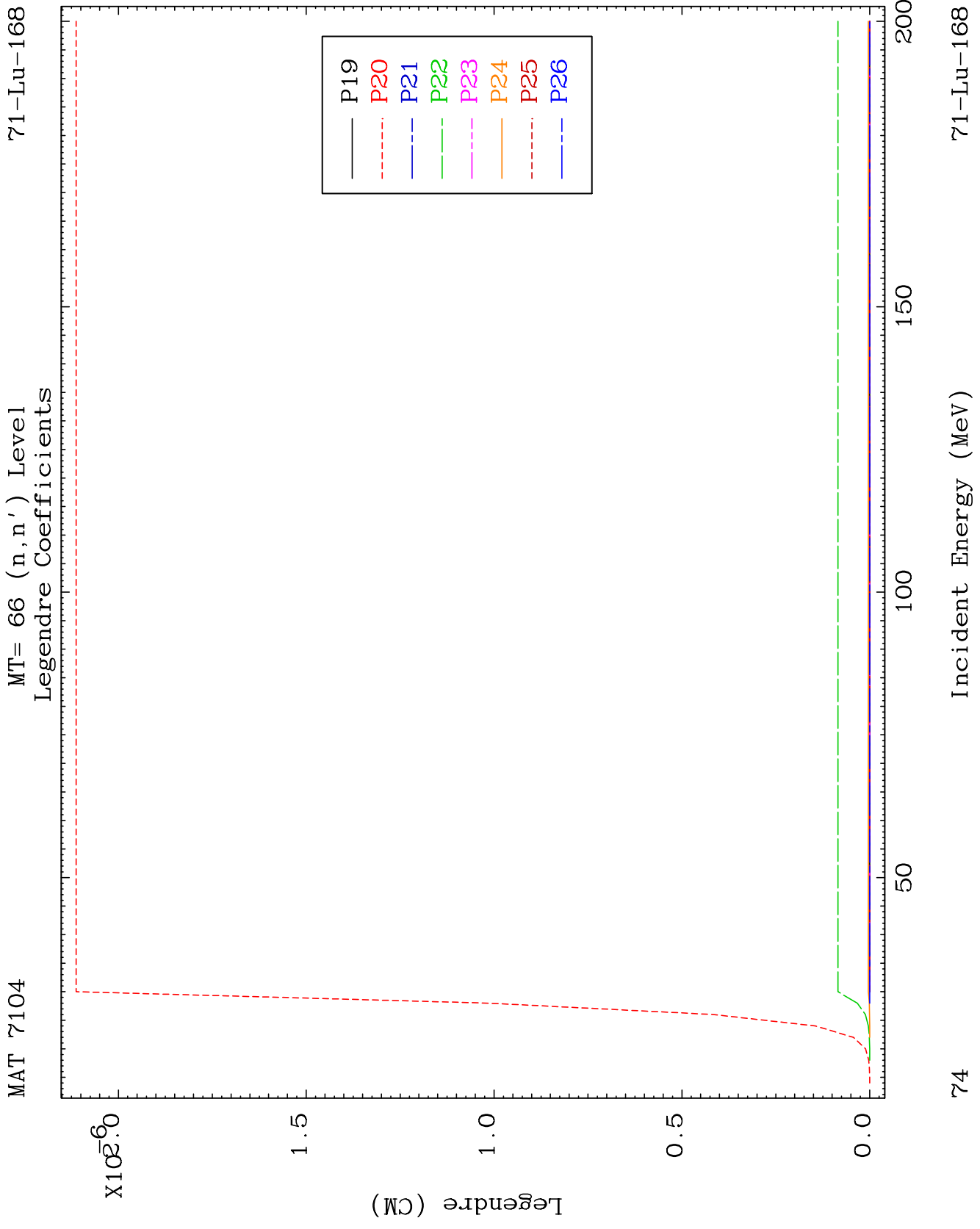
71-Lu-168



73

Incident Energy (MeV)

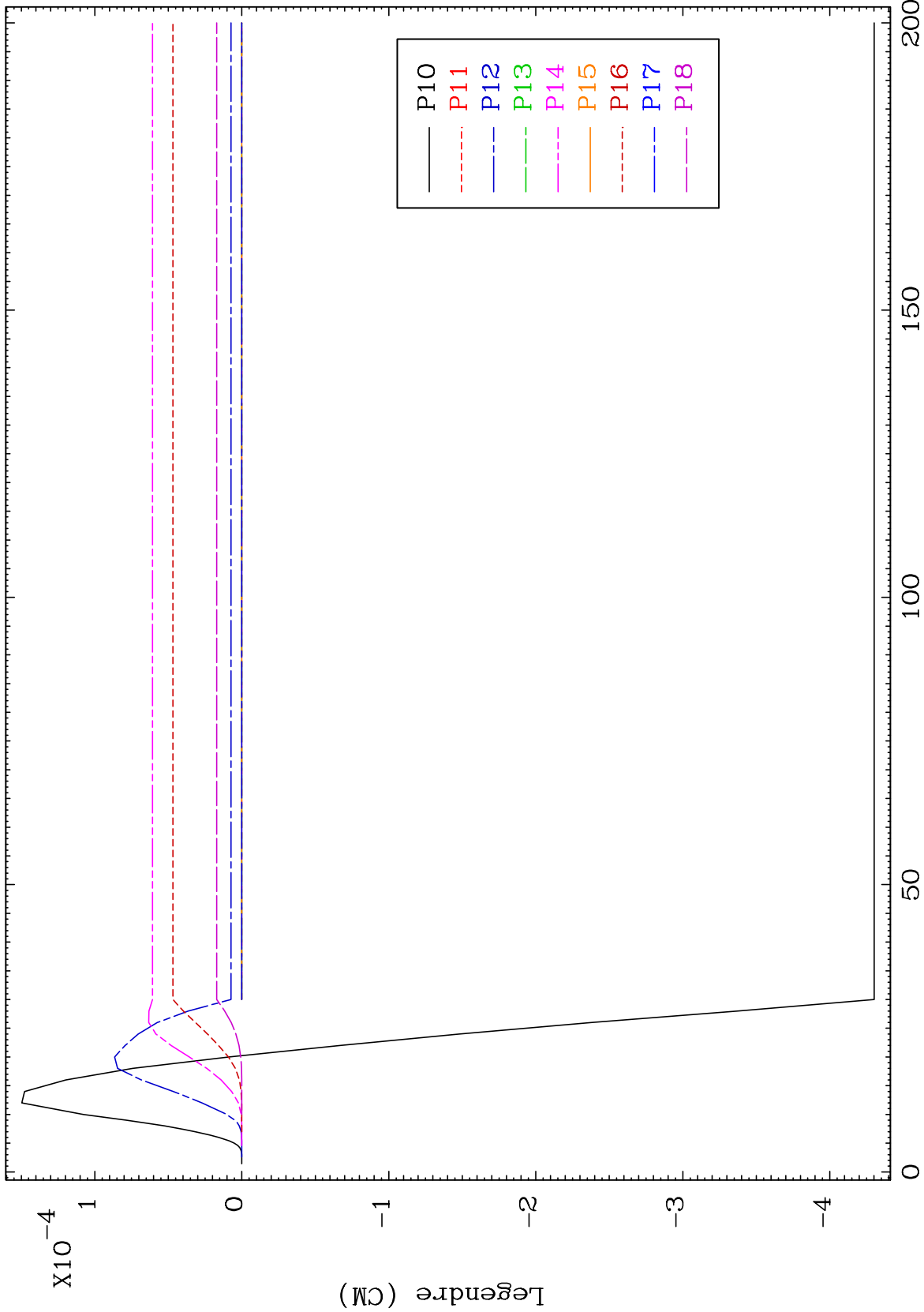
71-Lu-168



MAT 7104

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

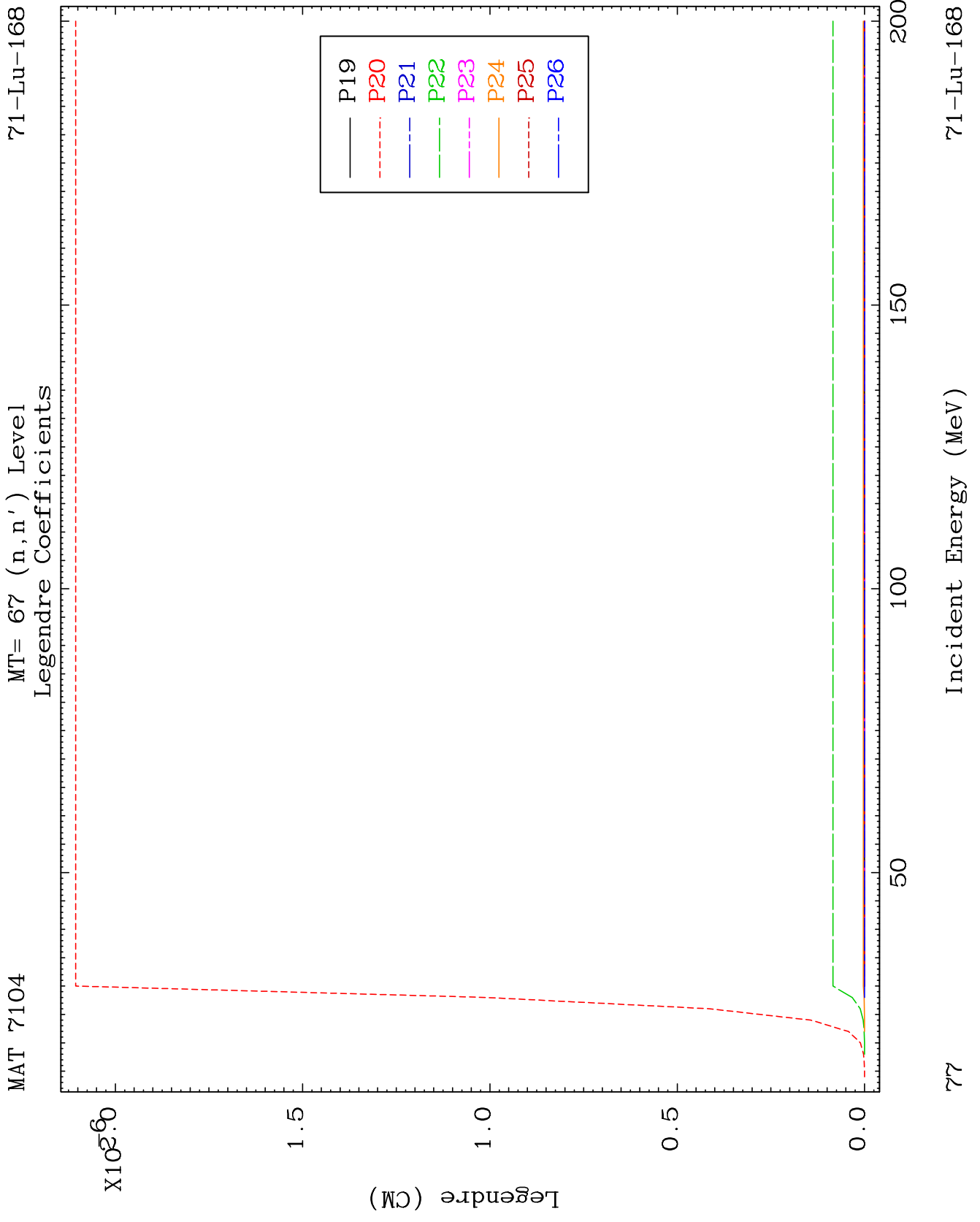
71-Lu-168



76

Incident Energy (MeV)

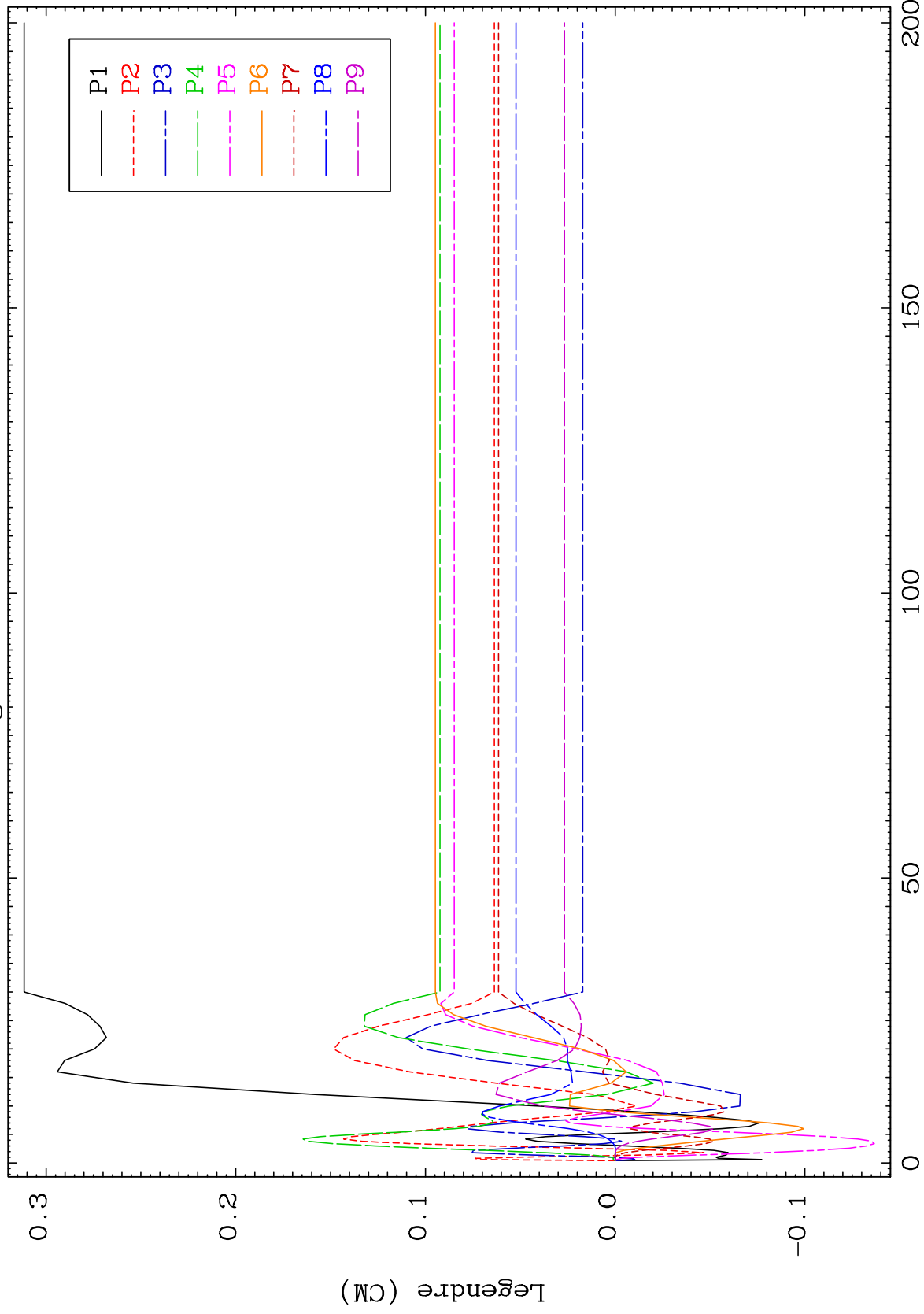
71-Lu-168



MAT 7104

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

71-Lu-168



78

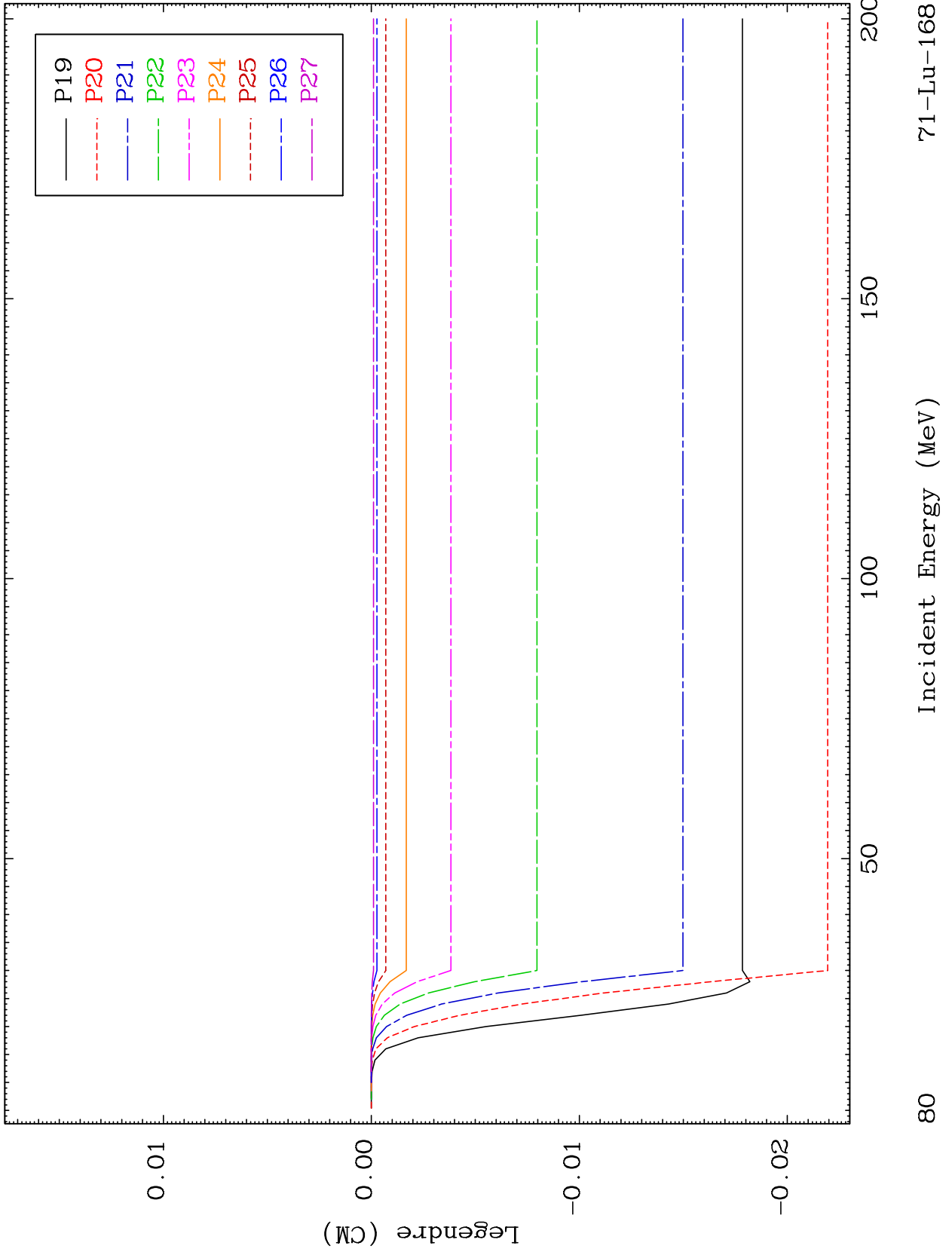
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

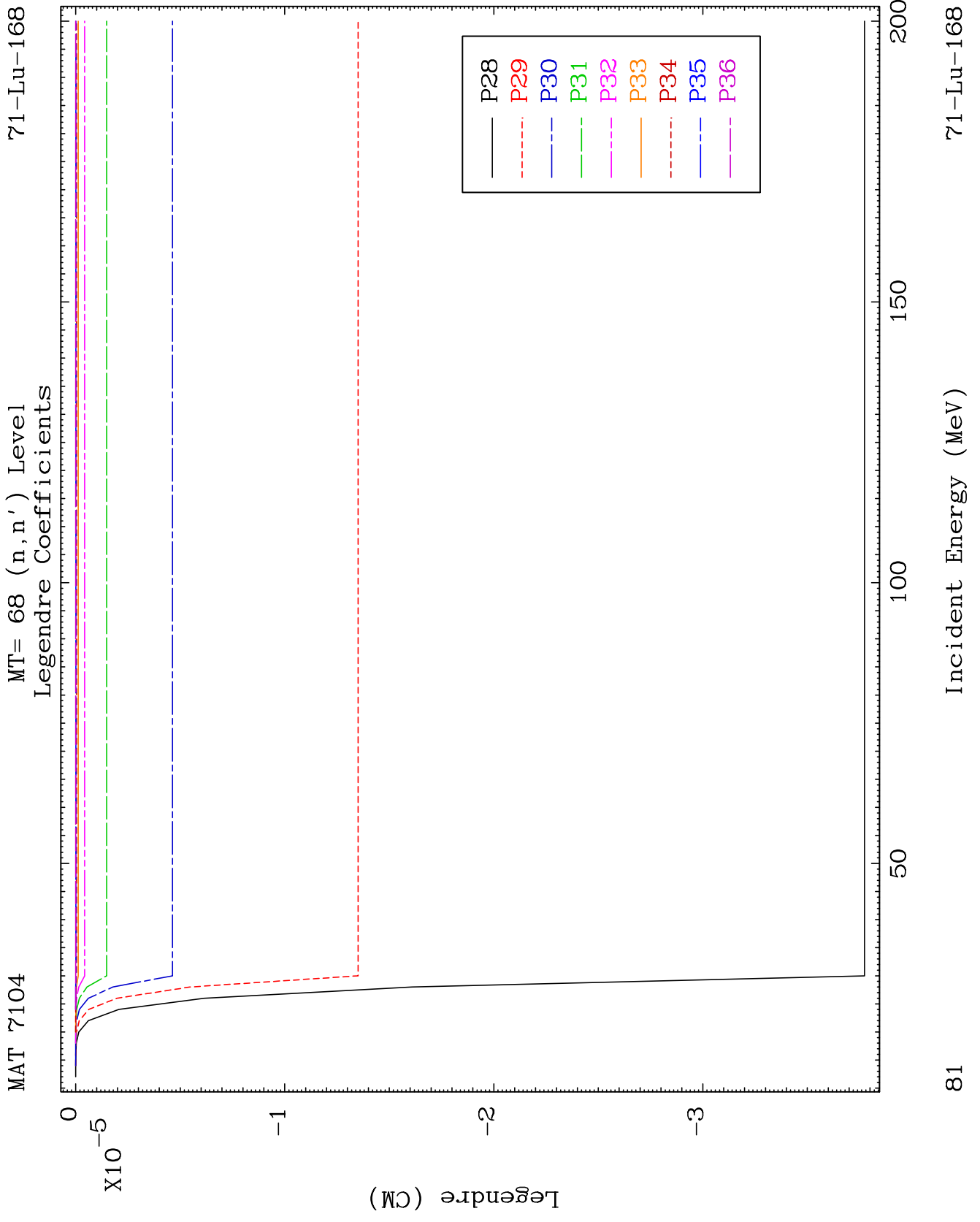
71-Lu-168



80

Incident Energy (MeV)

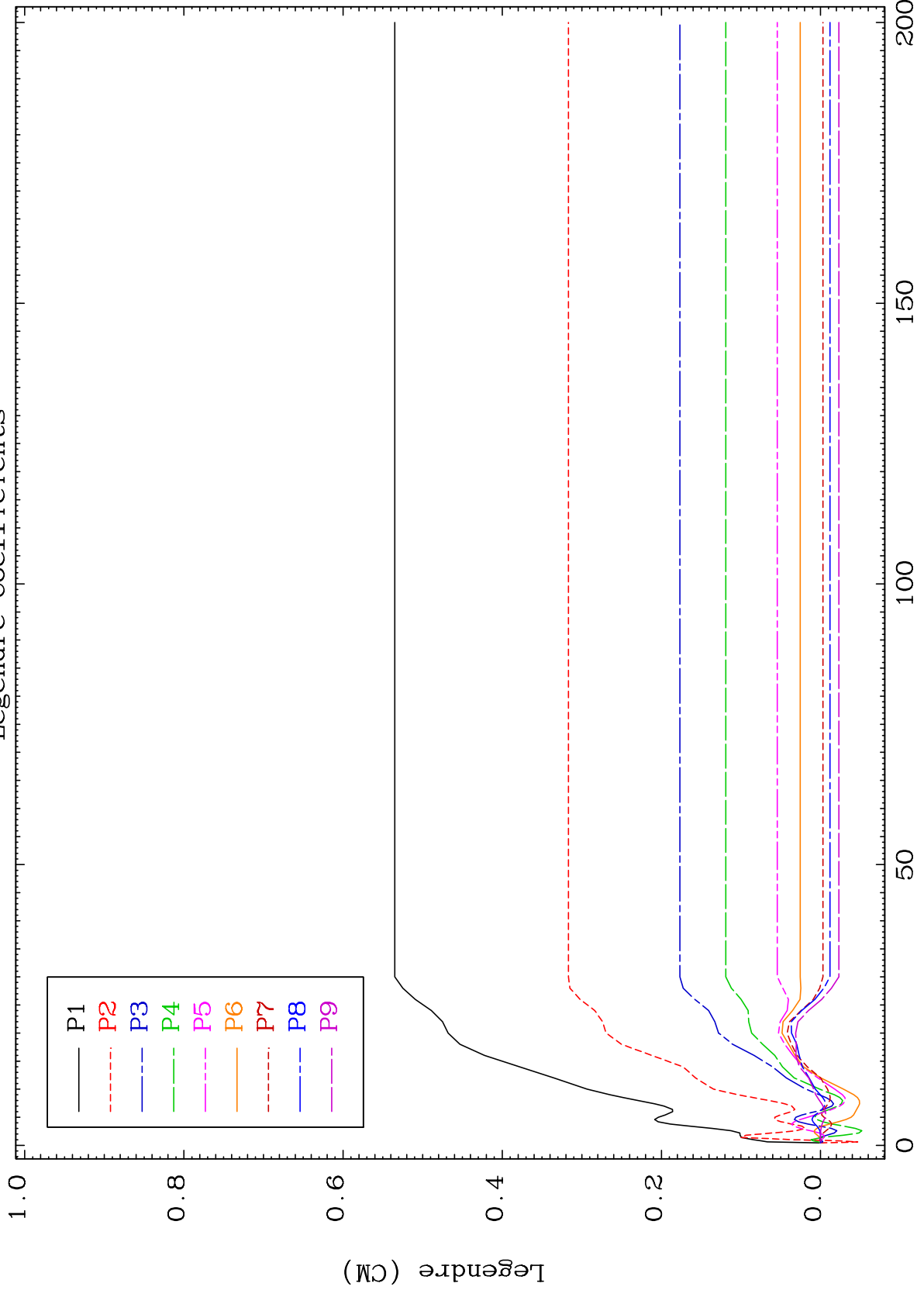
71-Lu-168



MAT 7104

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

71-Lu-168



82

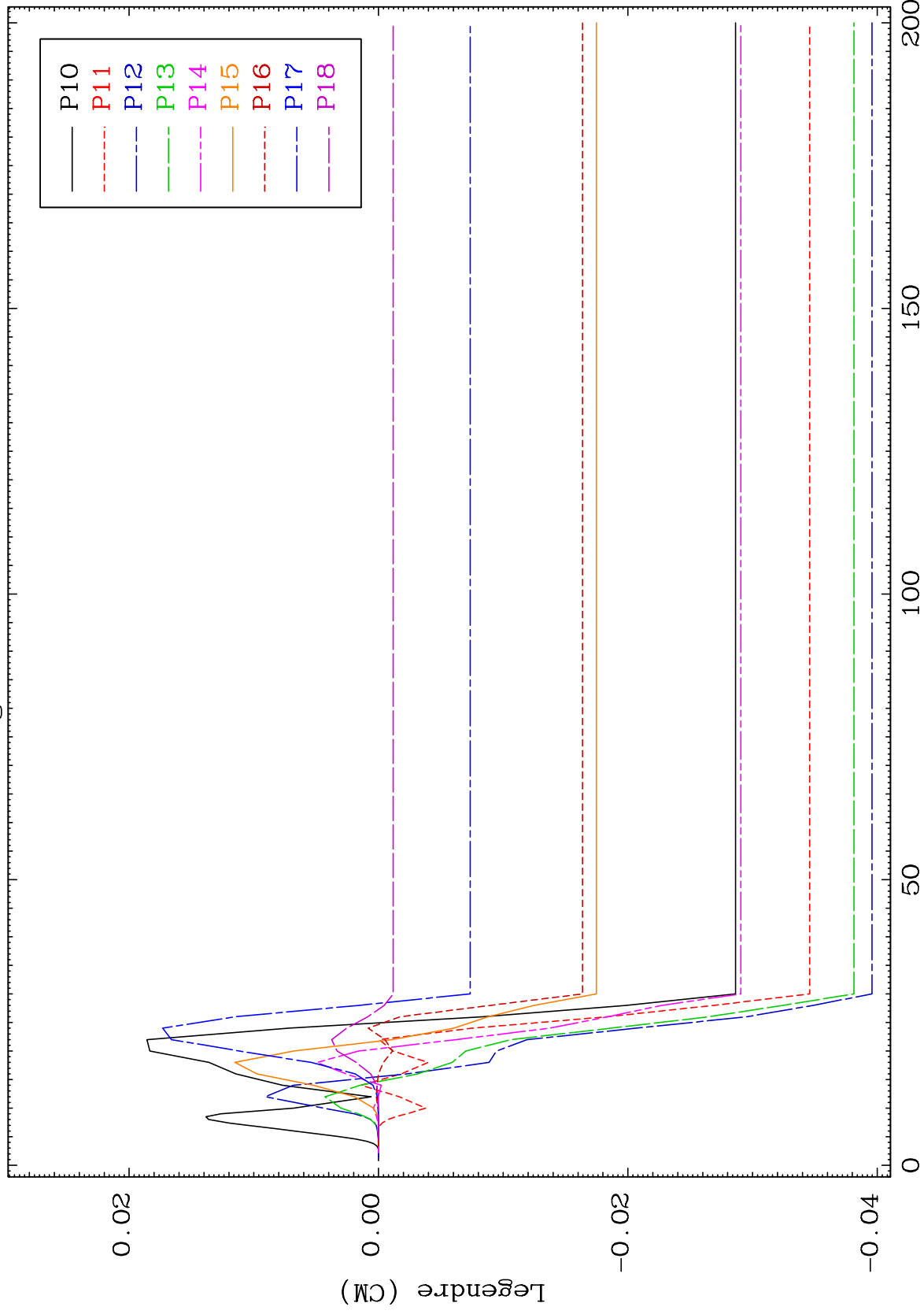
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

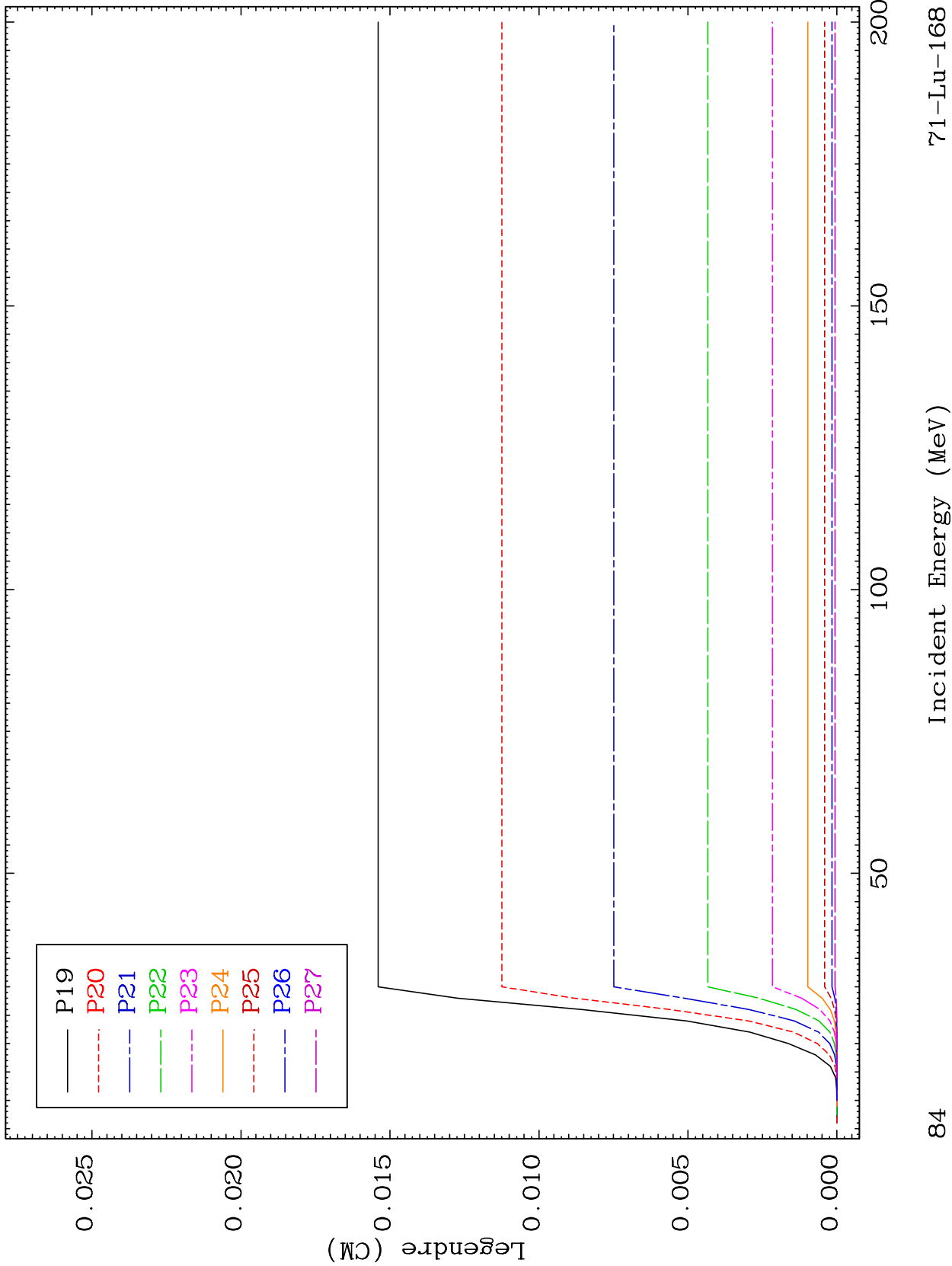
71-Lu-168



83

Incident Energy (MeV)

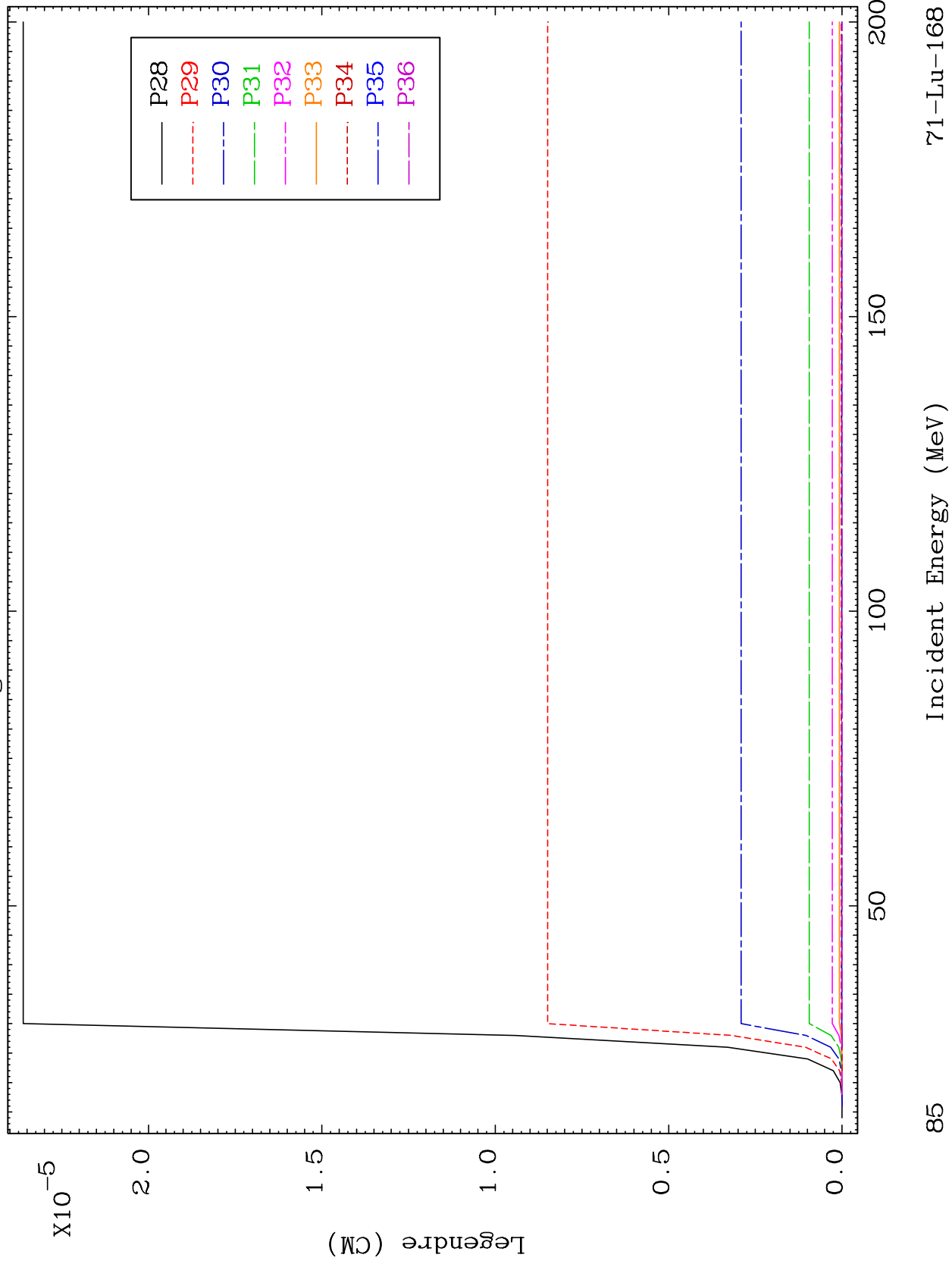
71-Lu-168



MAT 7104

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

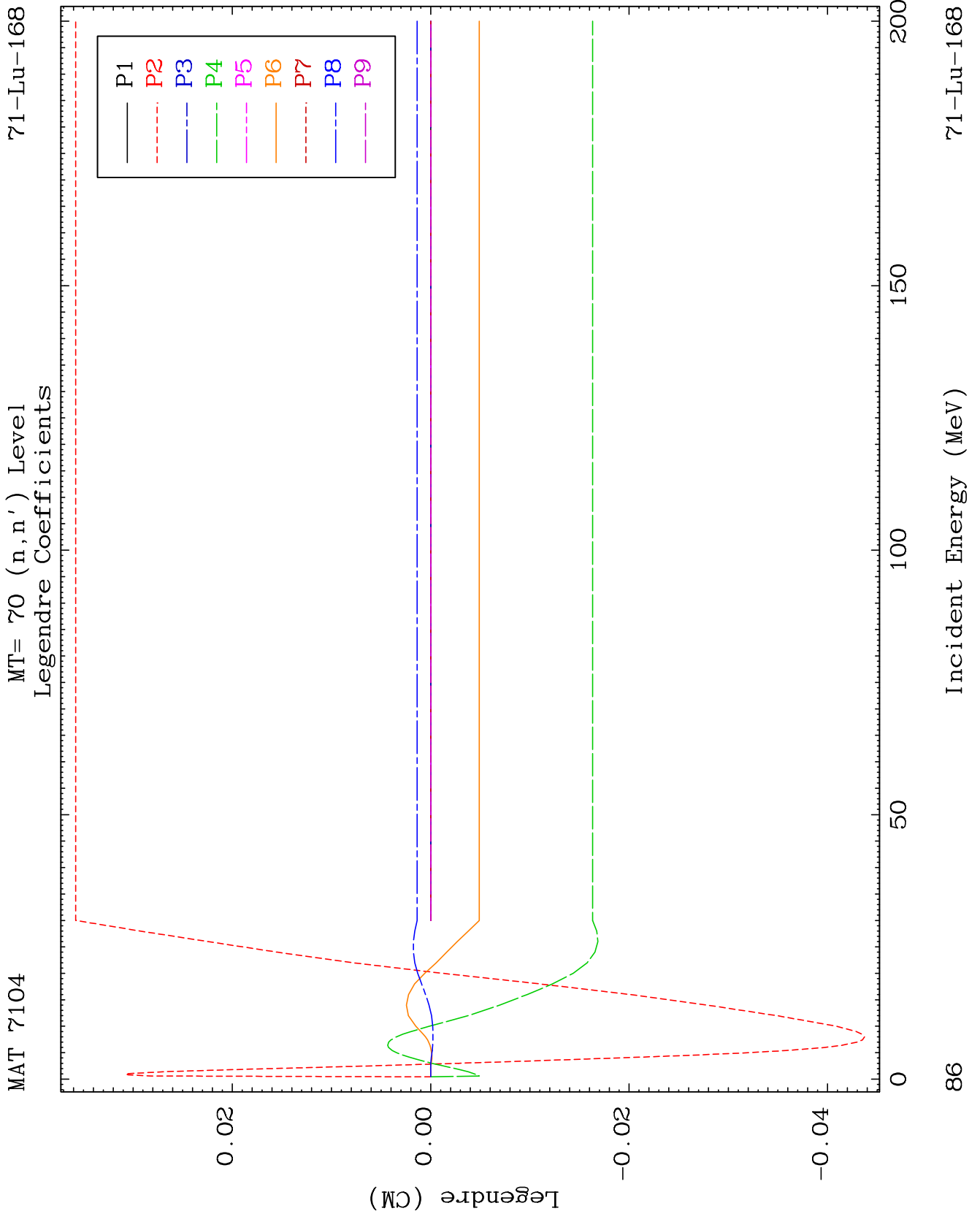
71-Lu-168

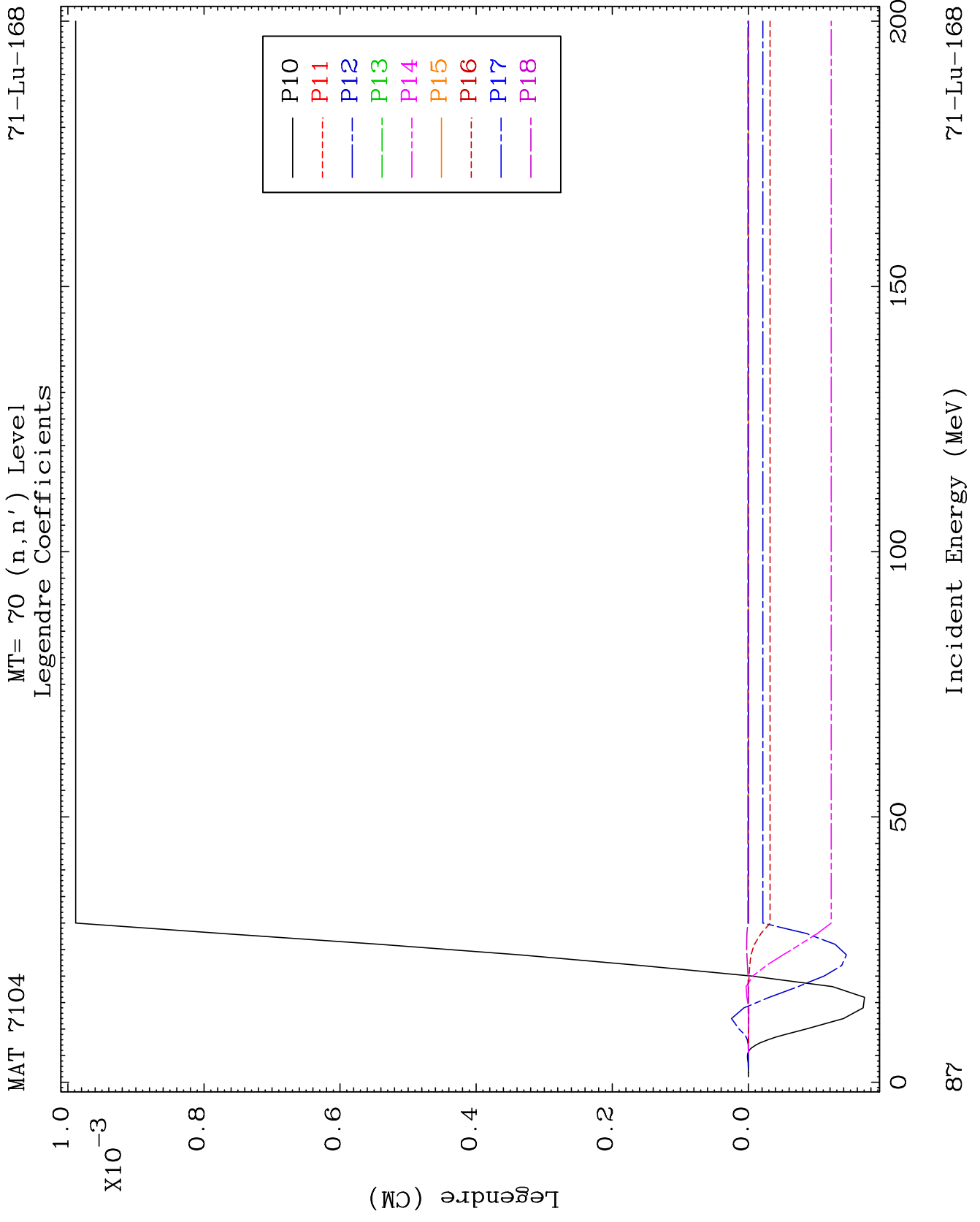


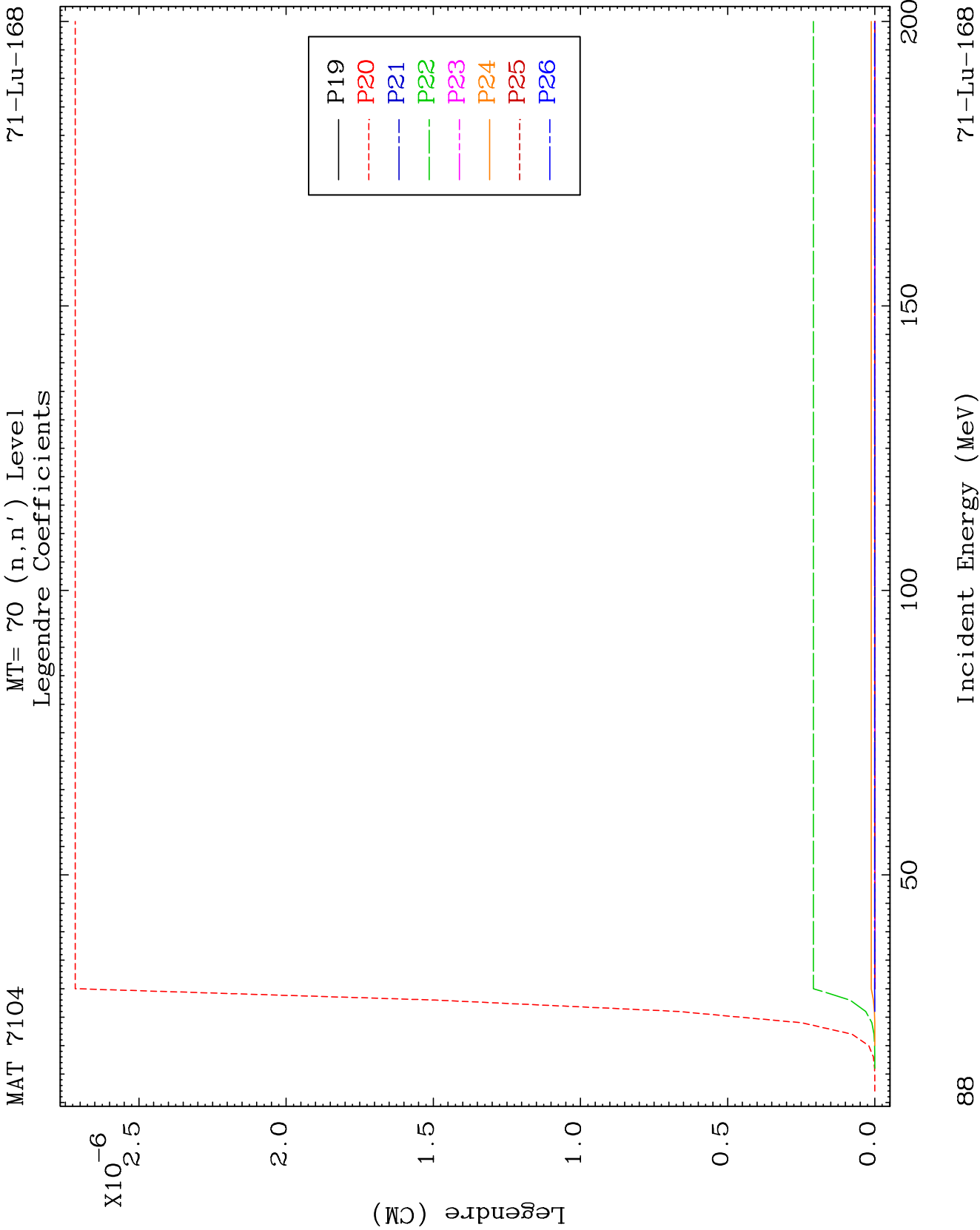
85

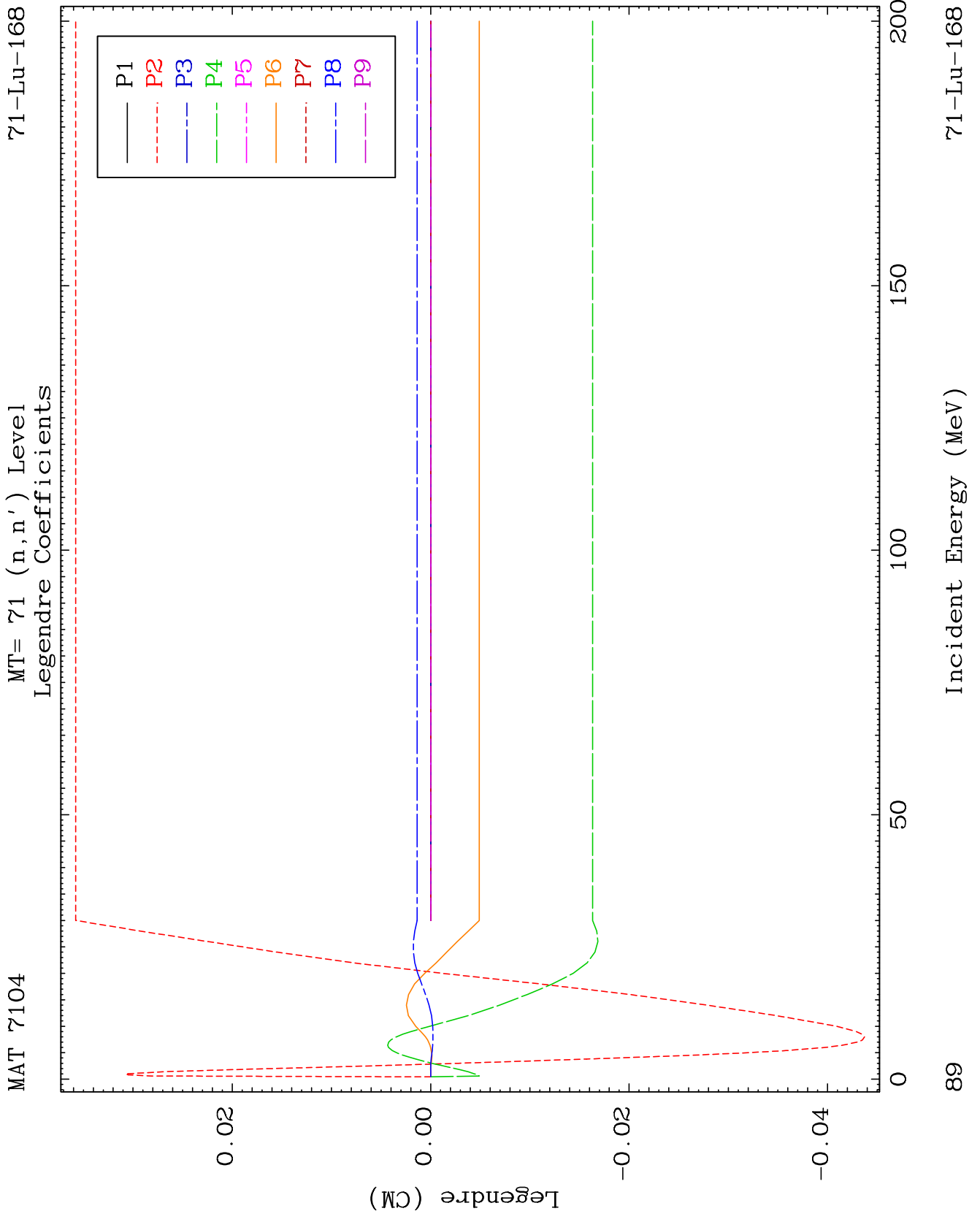
Incident Energy (MeV)

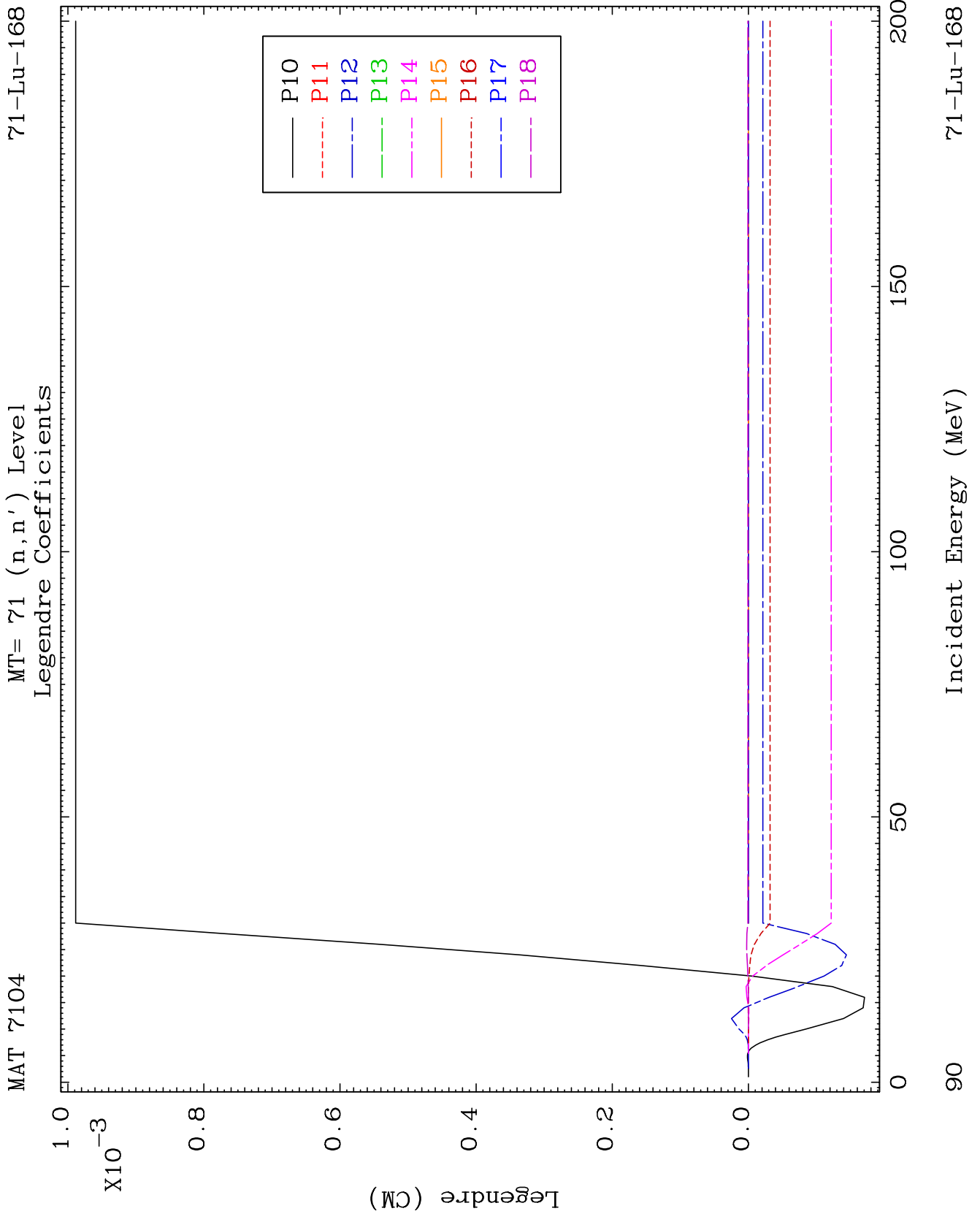
71-Lu-168

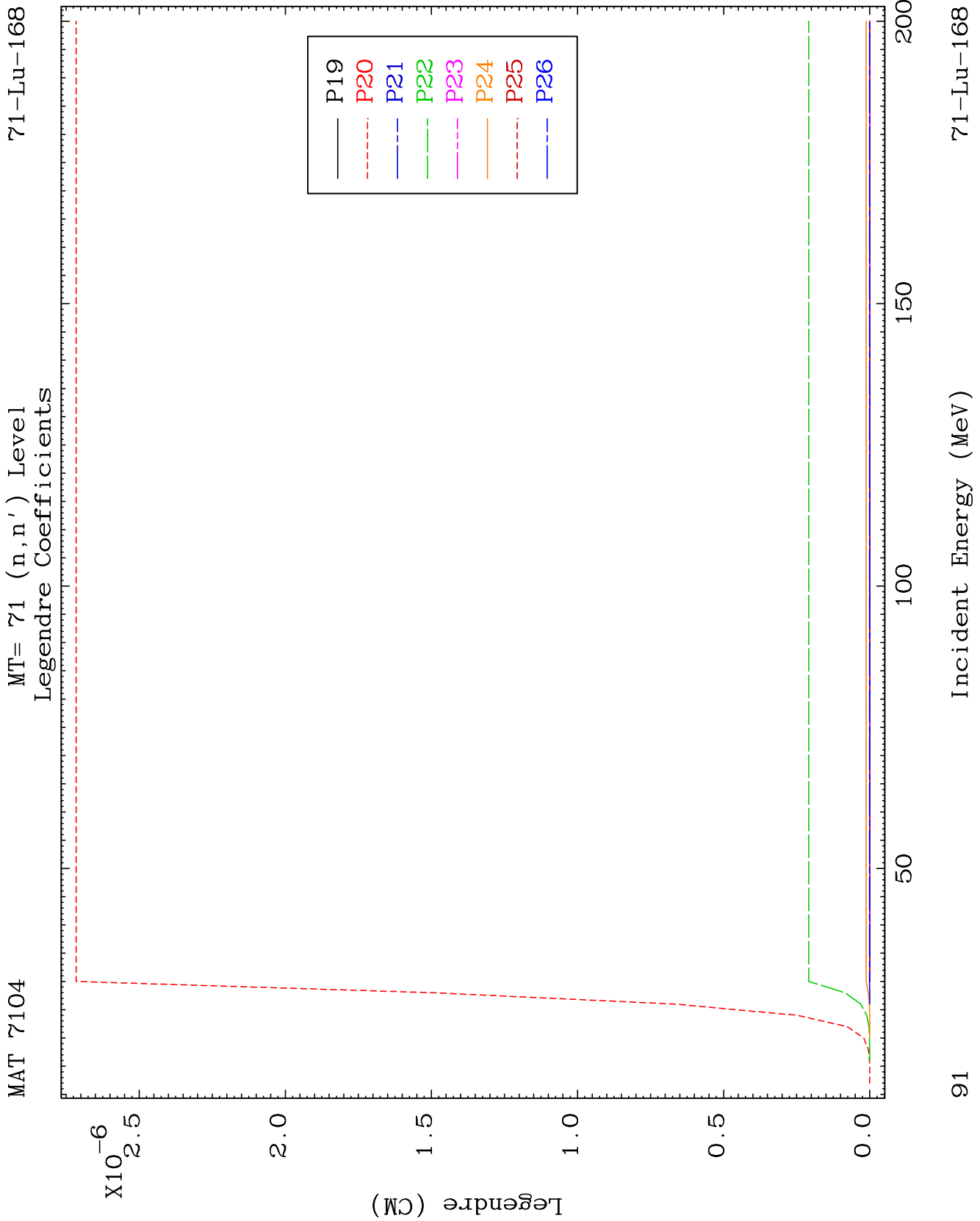








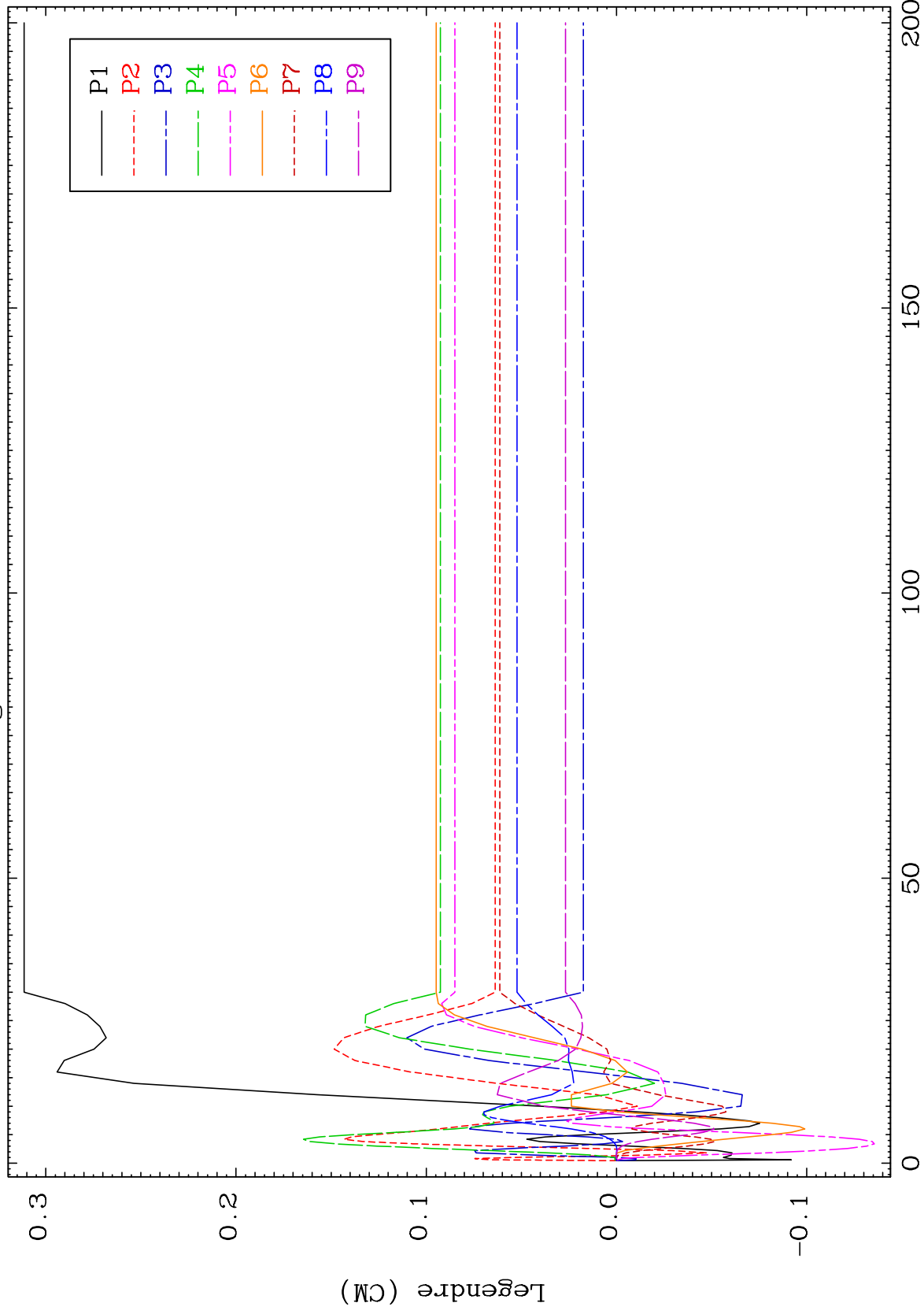




MAT 7104

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

71-Lu-168



92

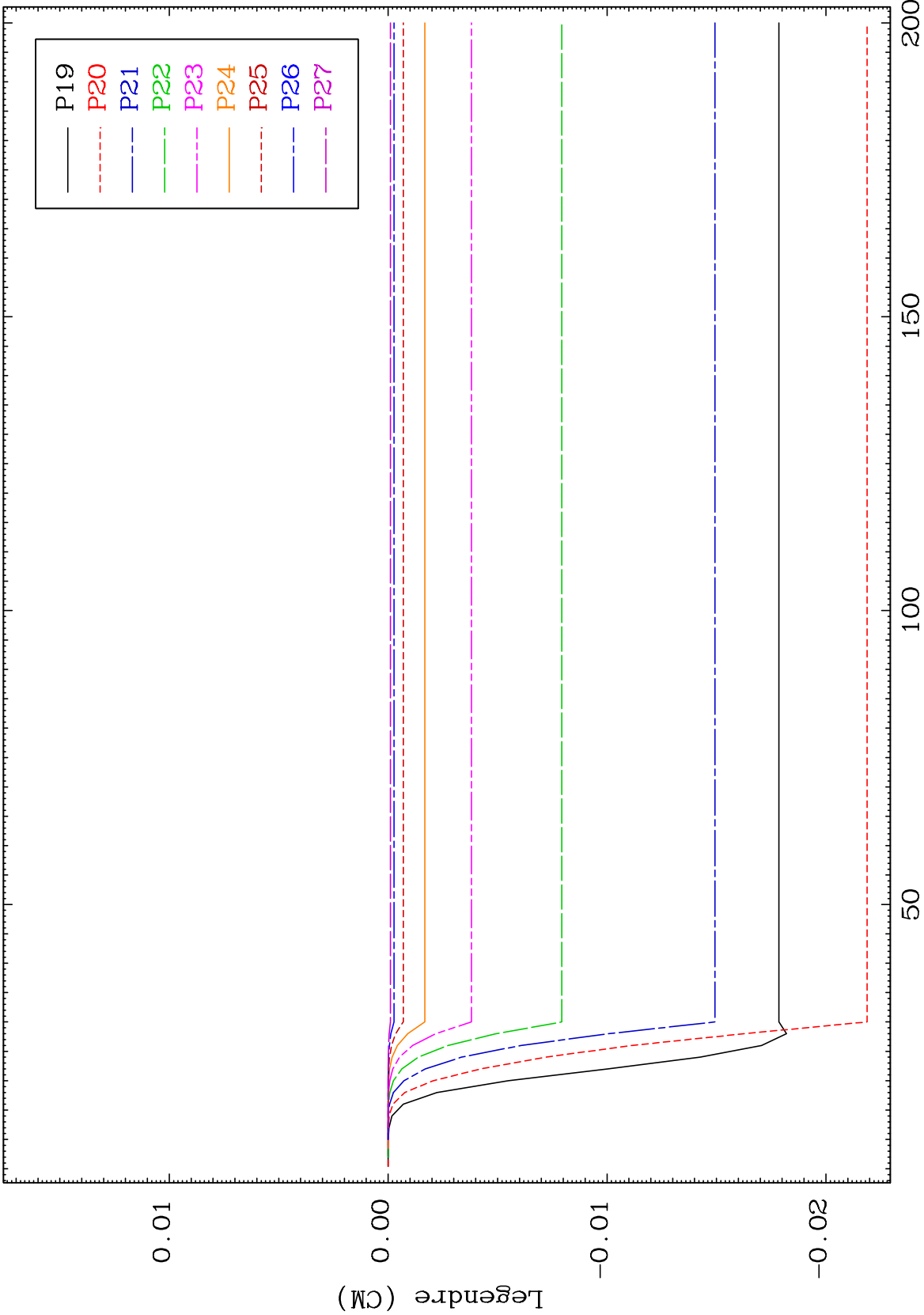
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

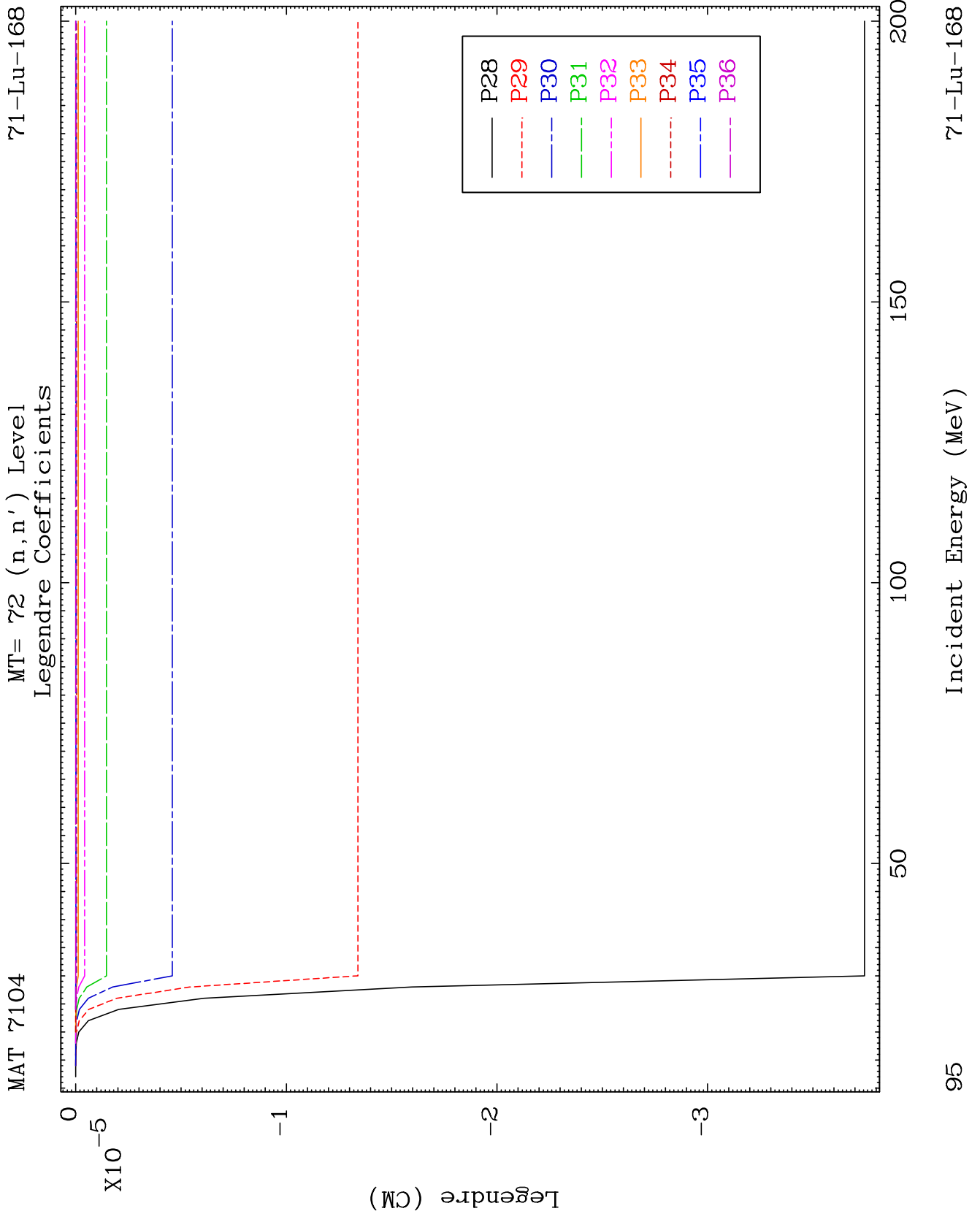
71-Lu-168

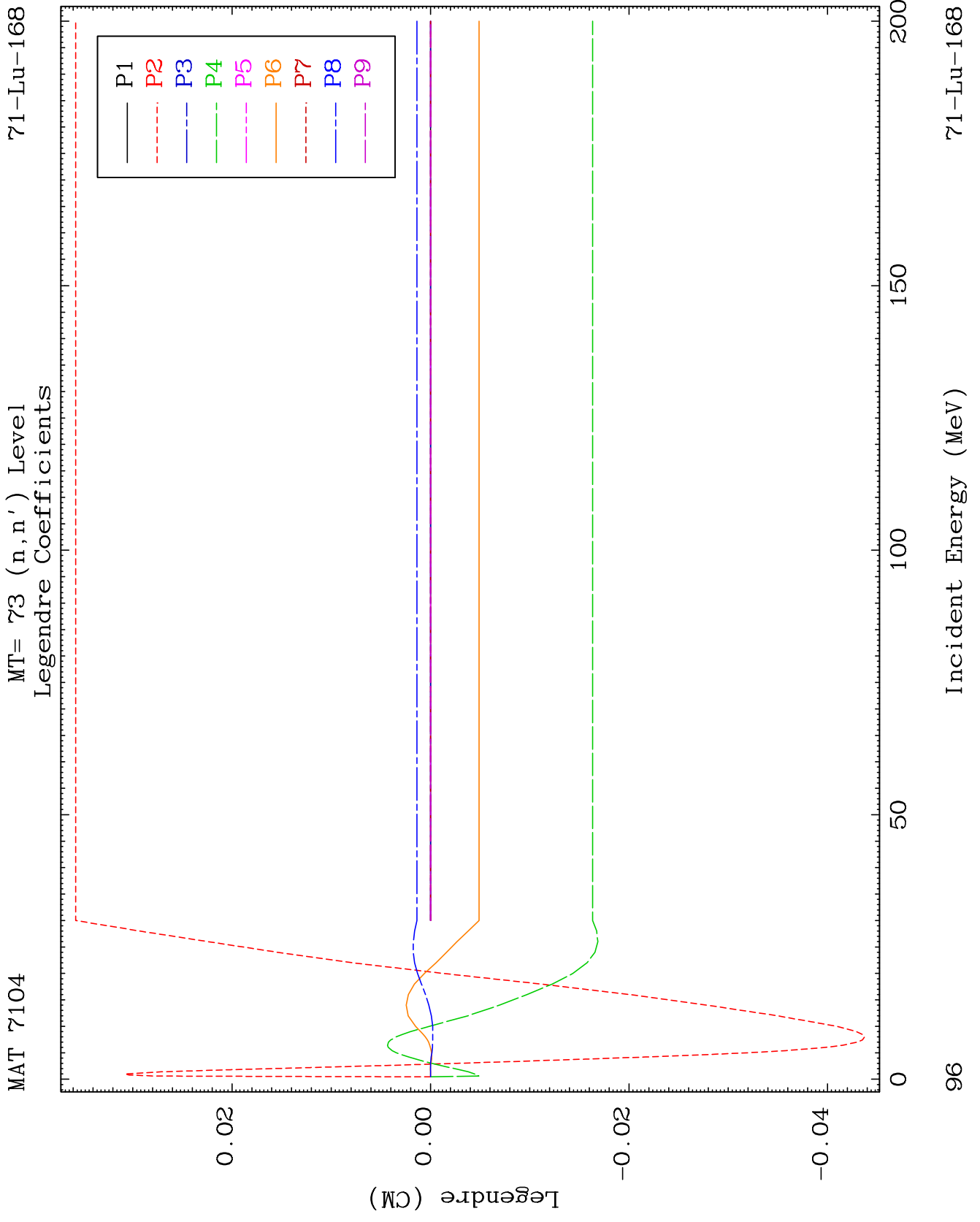


94

Incident Energy (MeV)

71-Lu-168

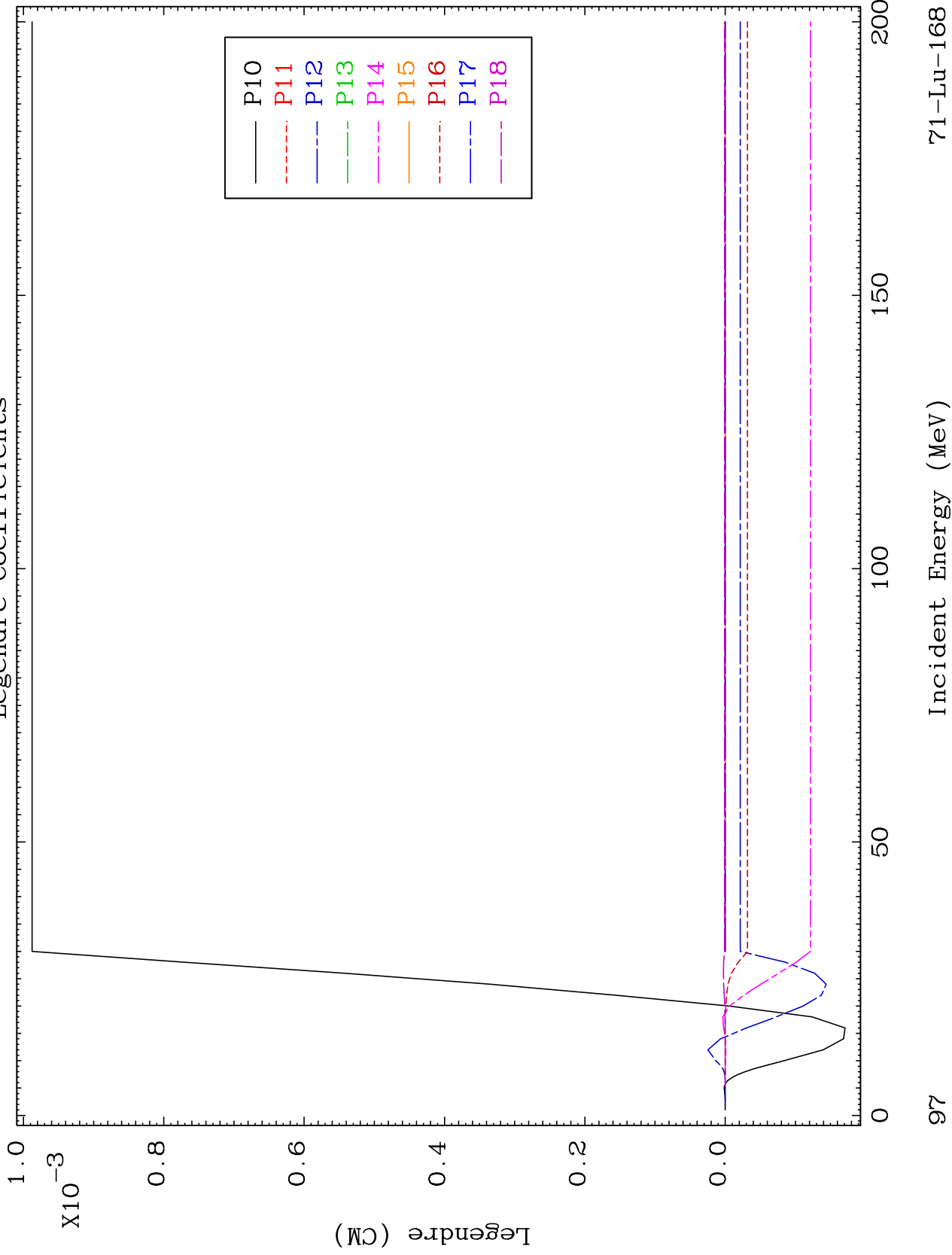




MAT 7104

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

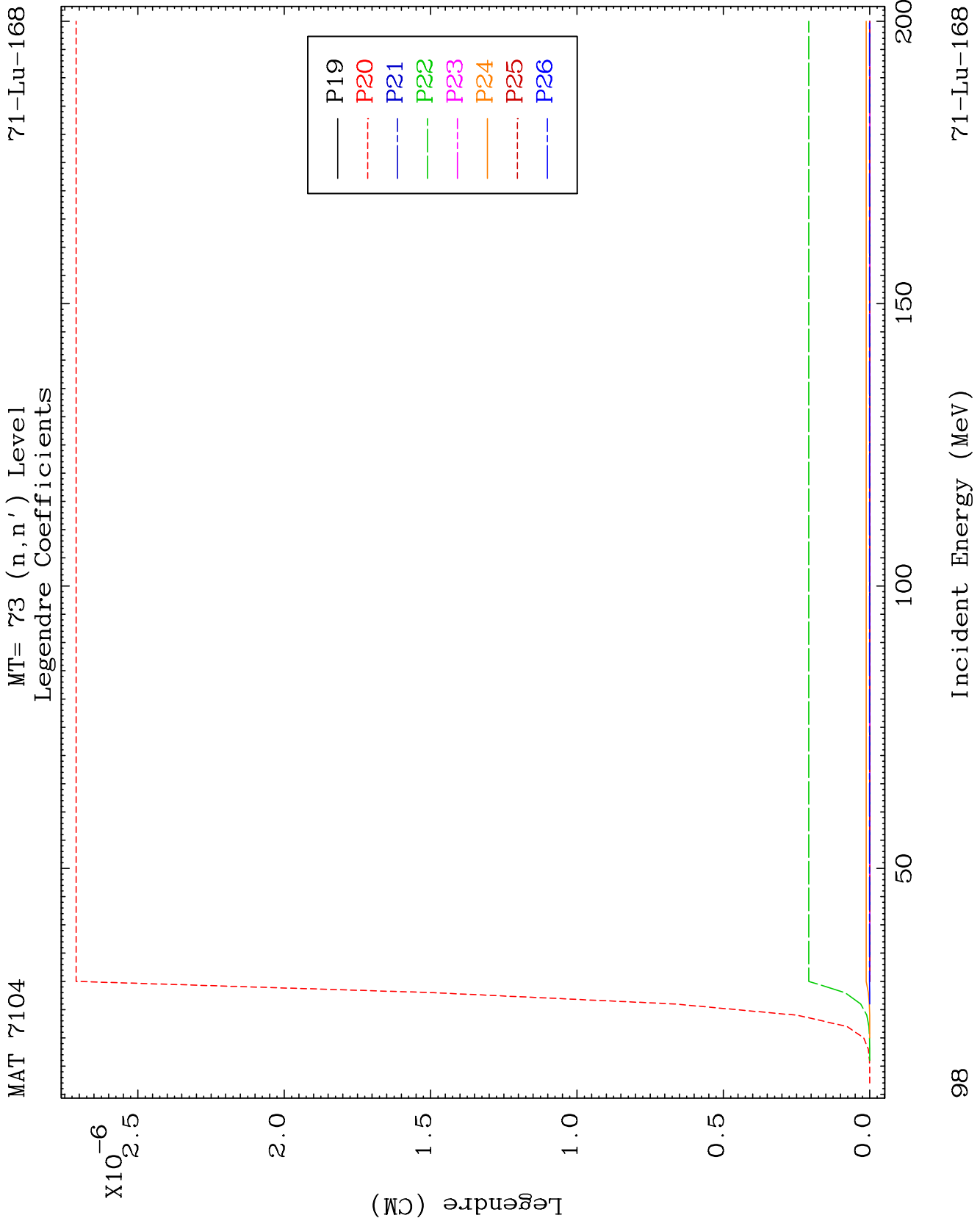
71-Lu-168

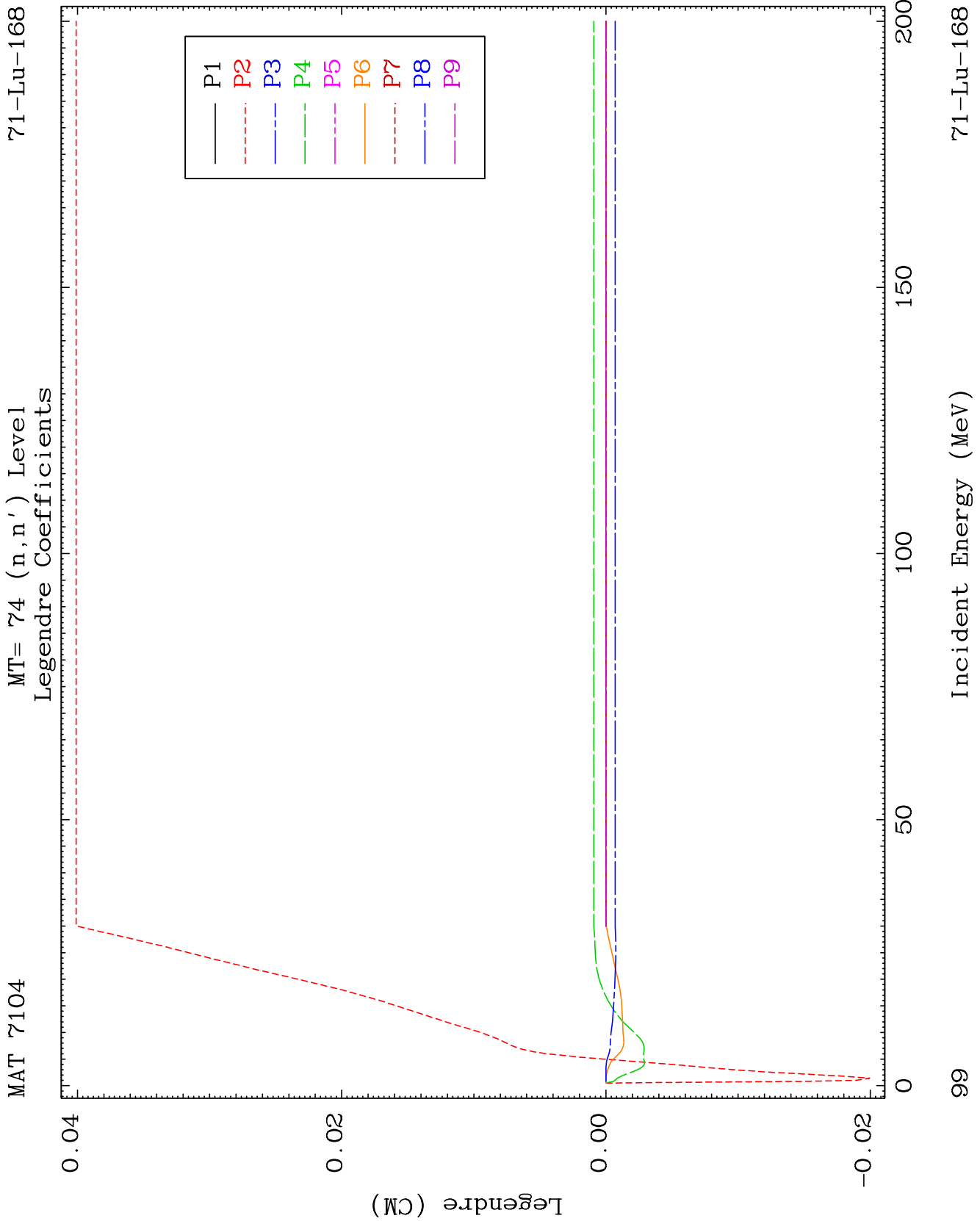


97

Incident Energy (MeV)

71-Lu-168

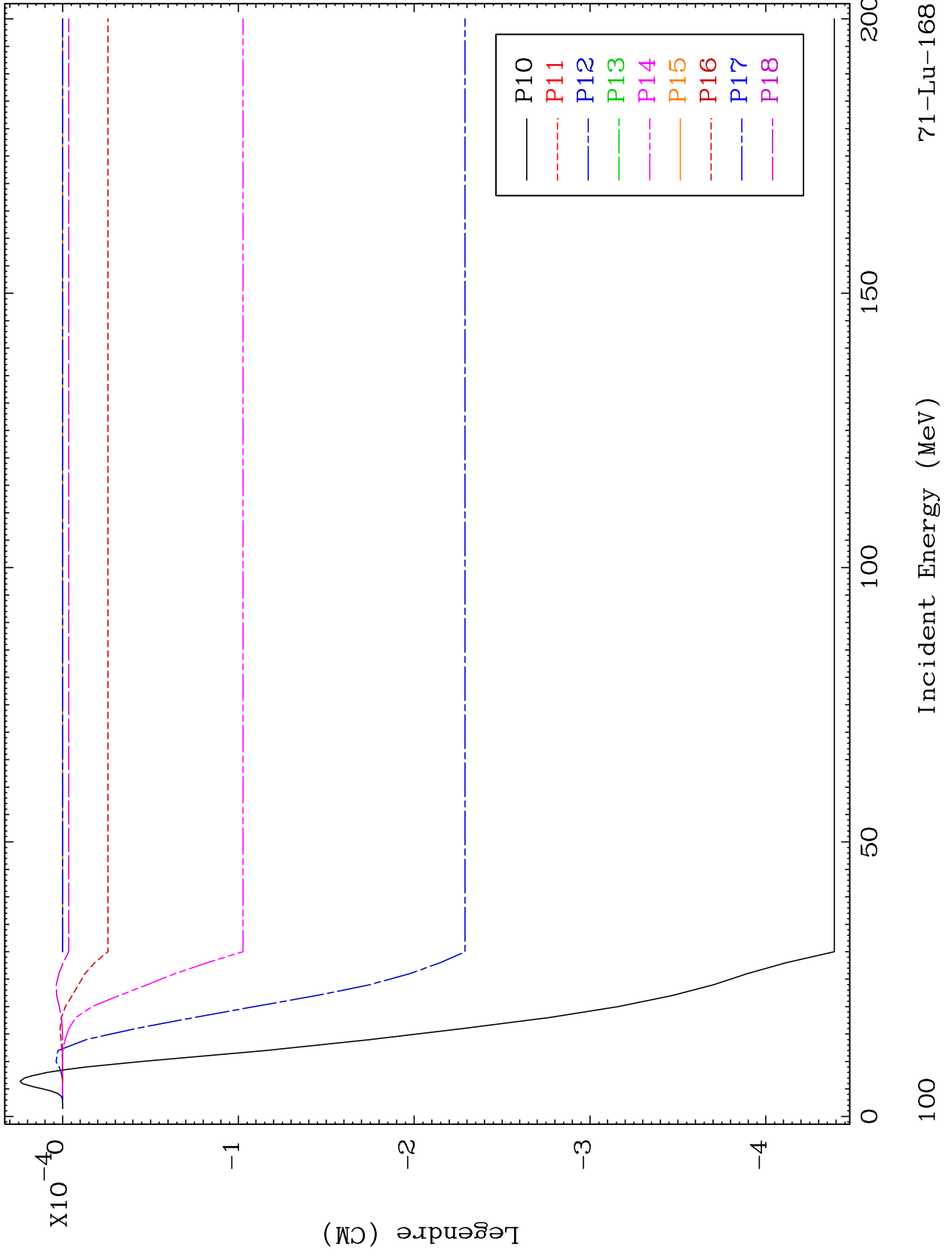




MAT 7104

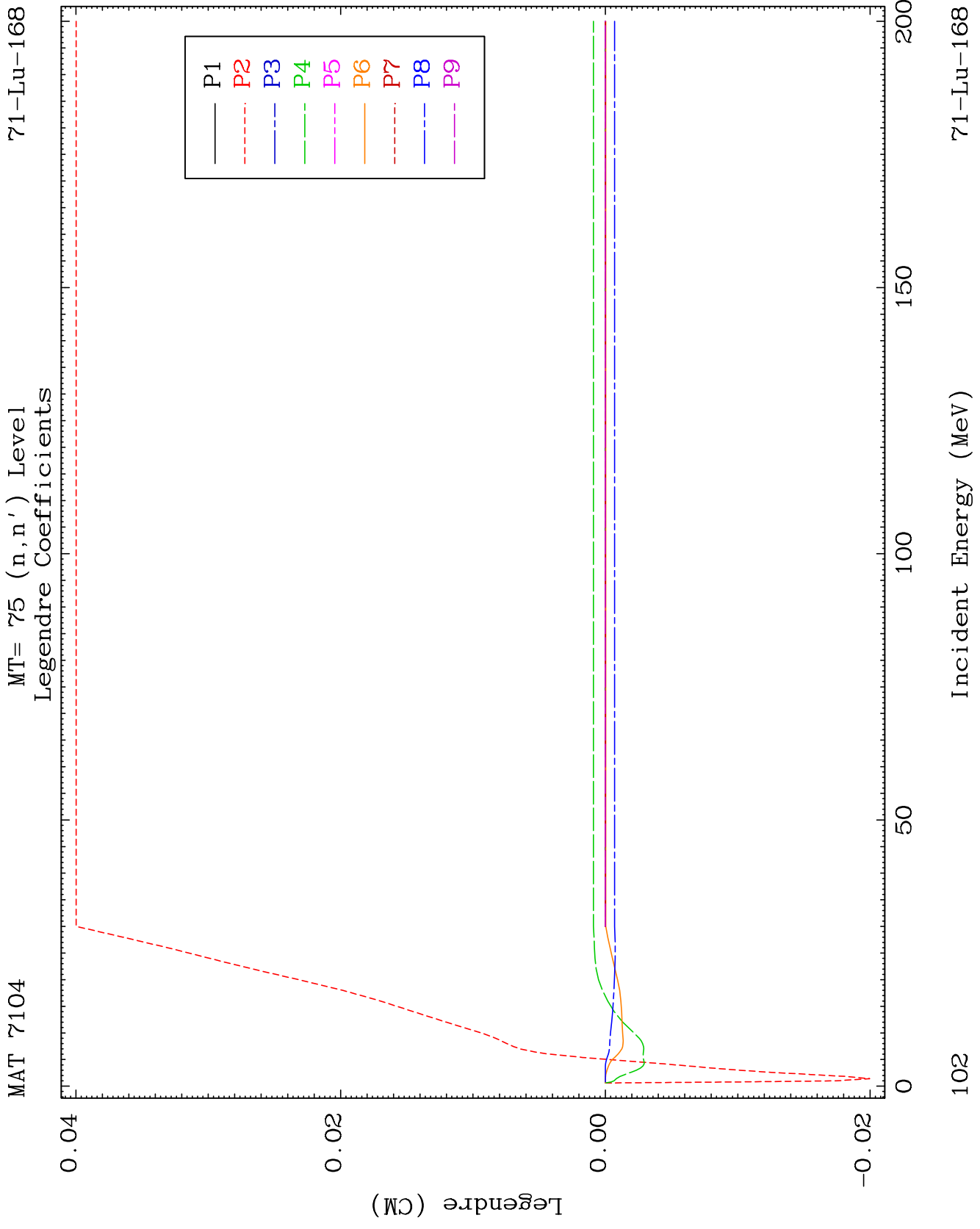
MT= 74 (n,n') Level
Legendre Coefficients

71-Lu-168



71-Lu-168

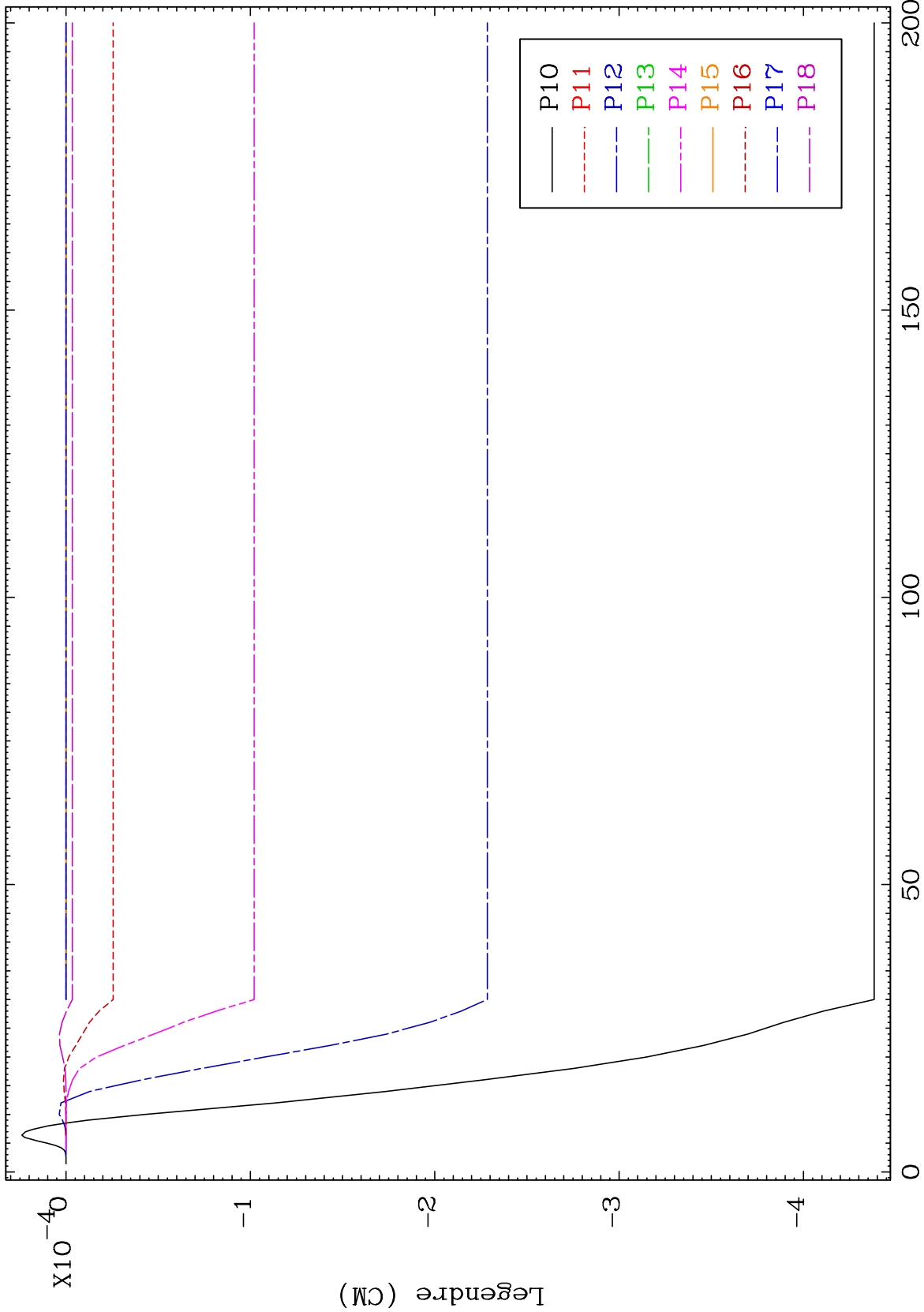
Incident Energy (MeV)



MAT 7104

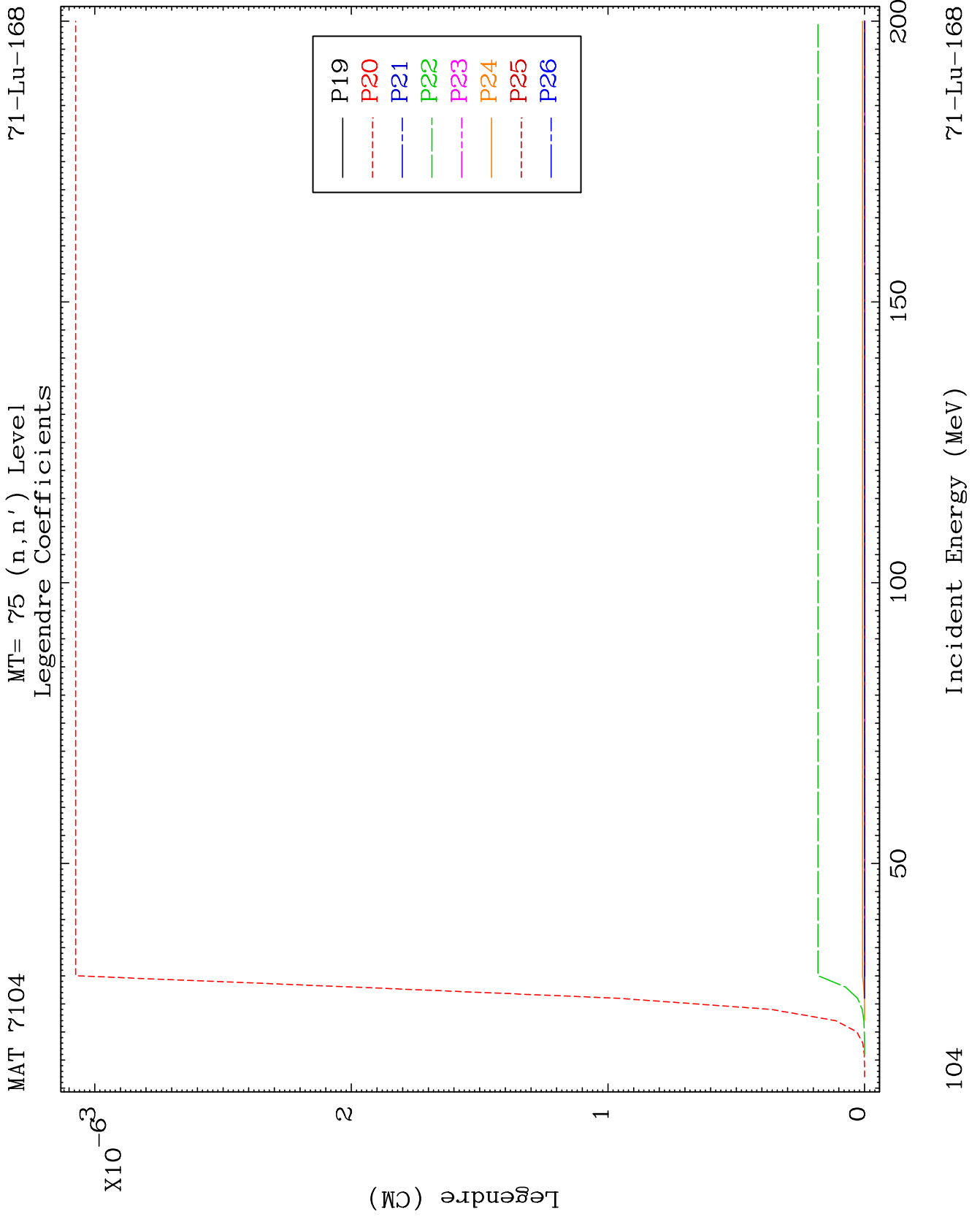
MT= 75 (n,n') Level
Legendre Coefficients

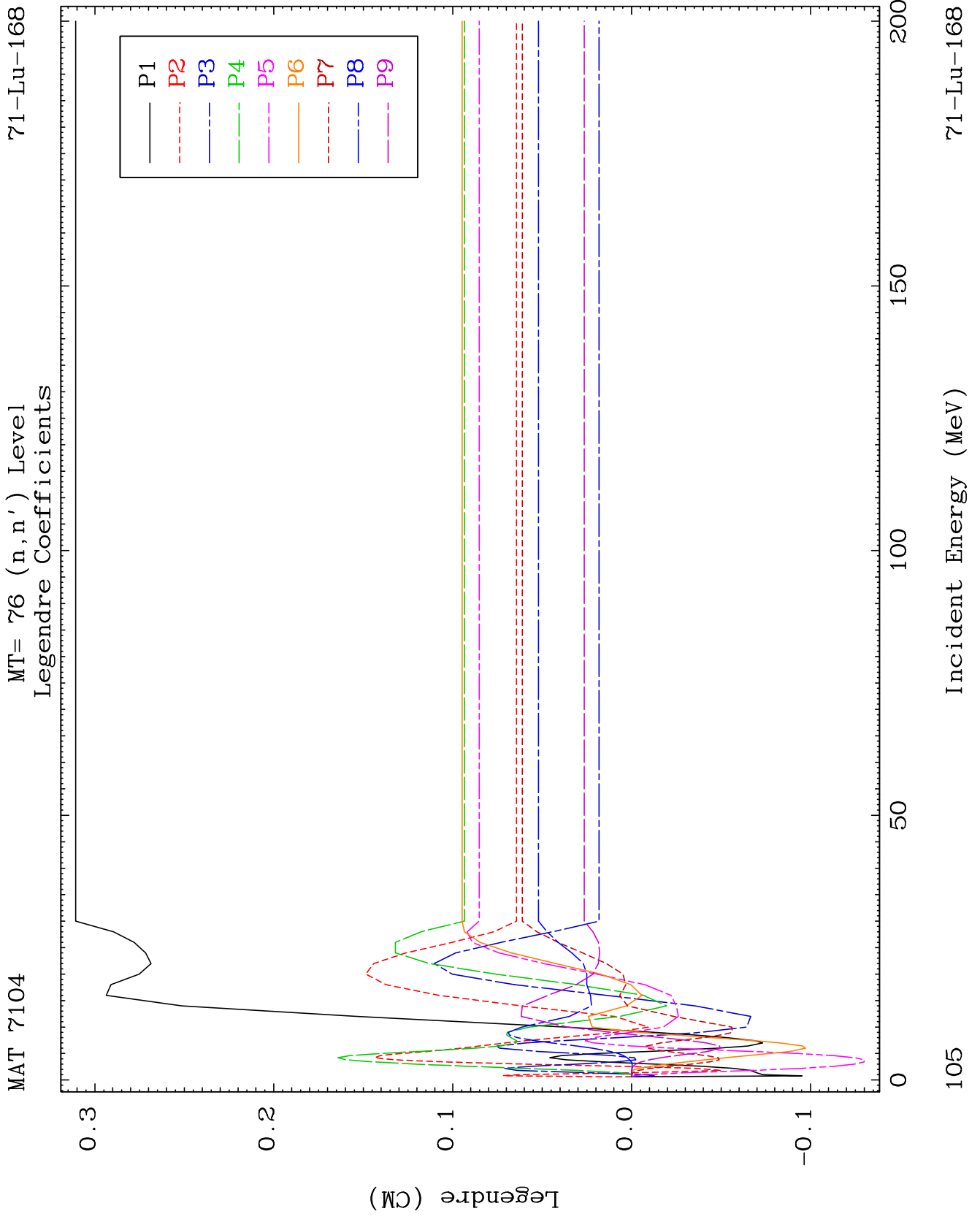
71-Lu-168

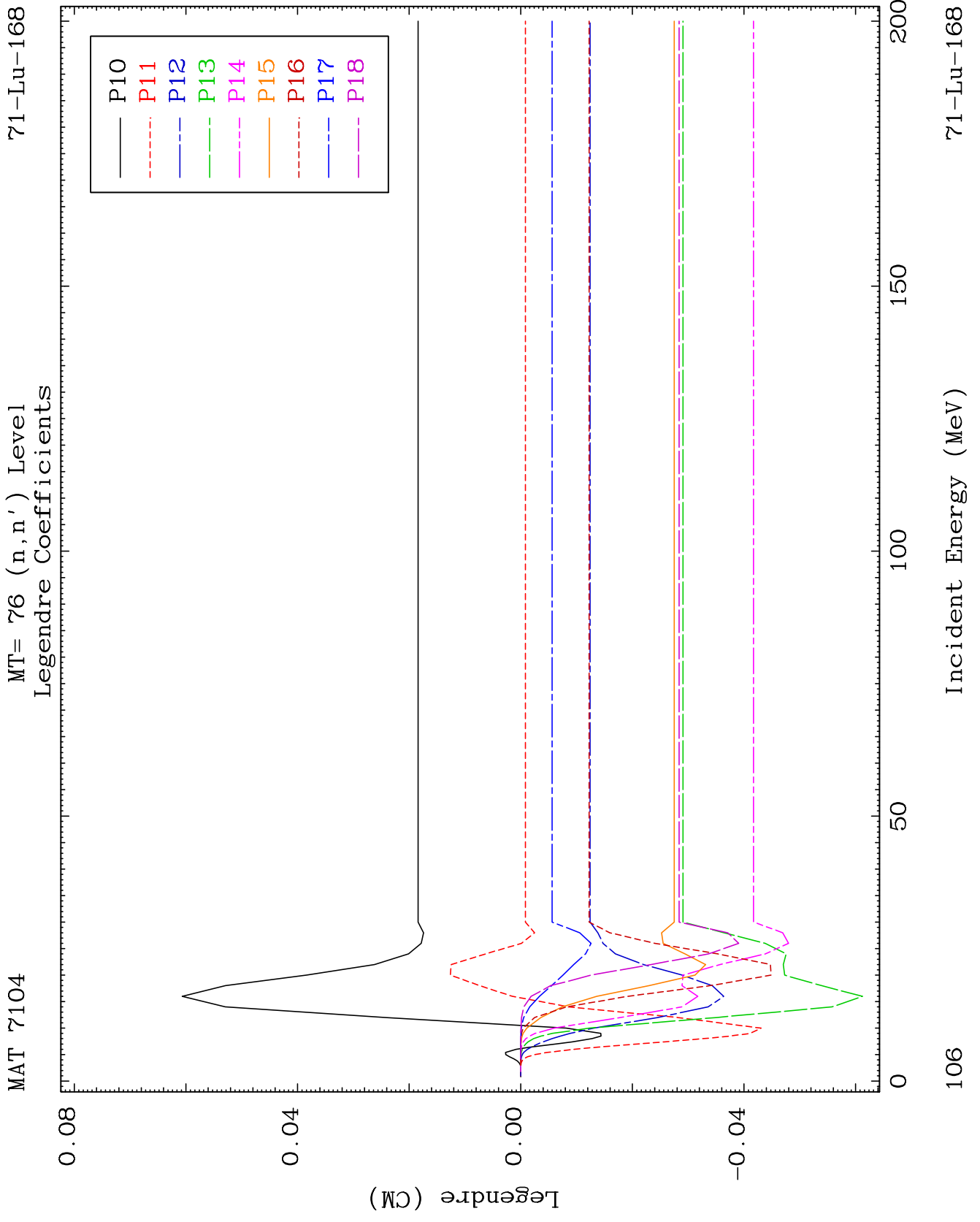


103

71-Lu-168



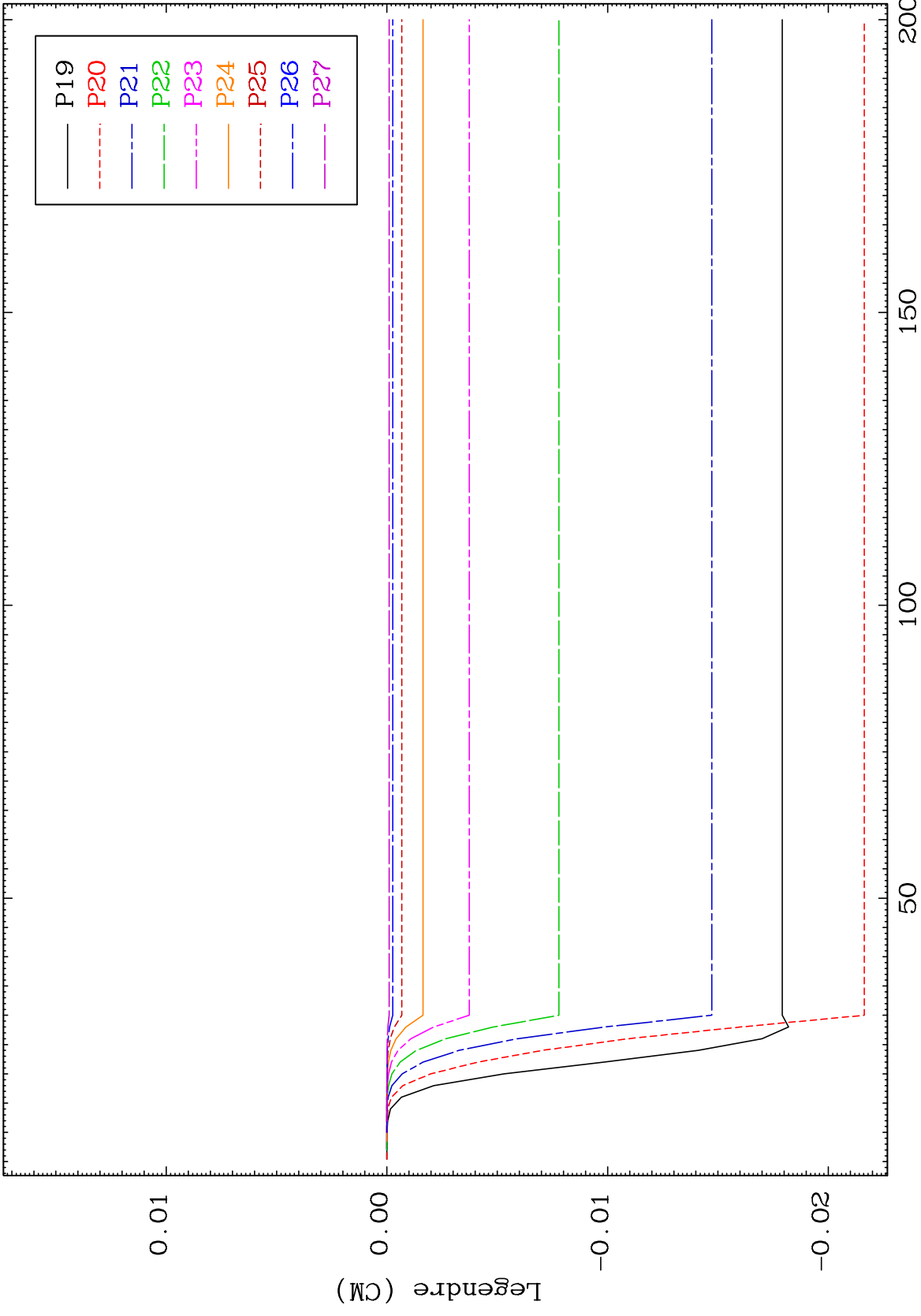




MAT 7104

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

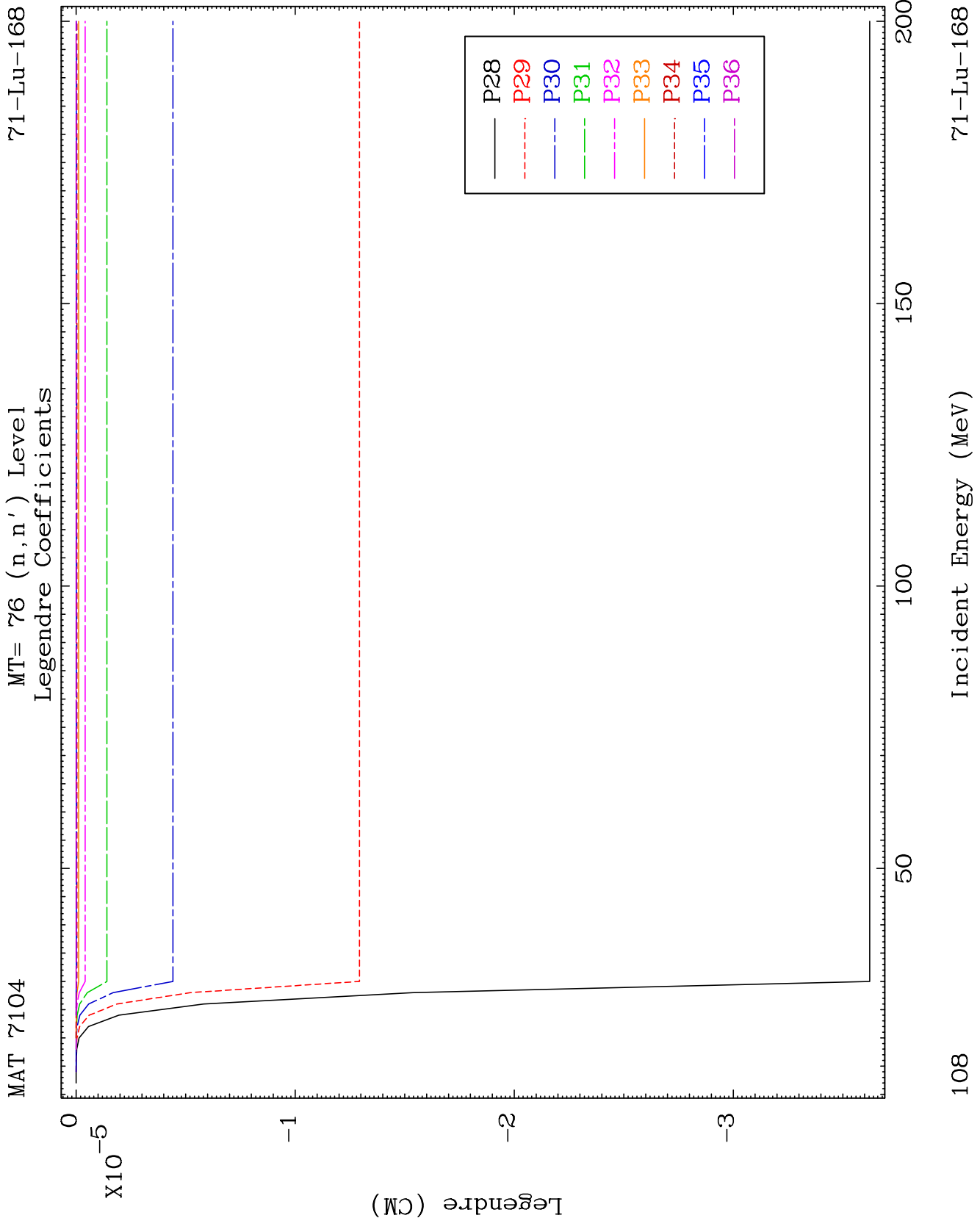
71-Lu-168

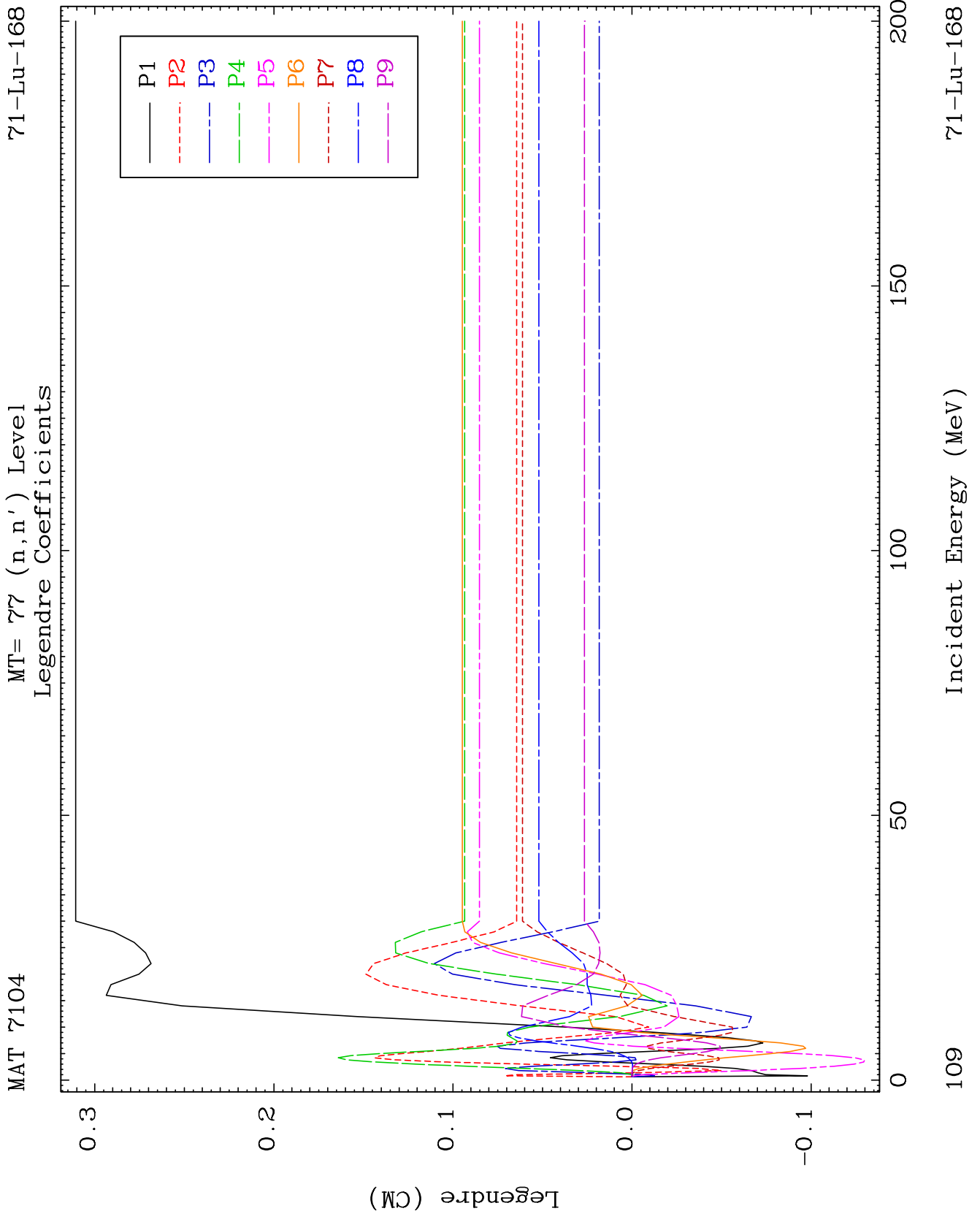


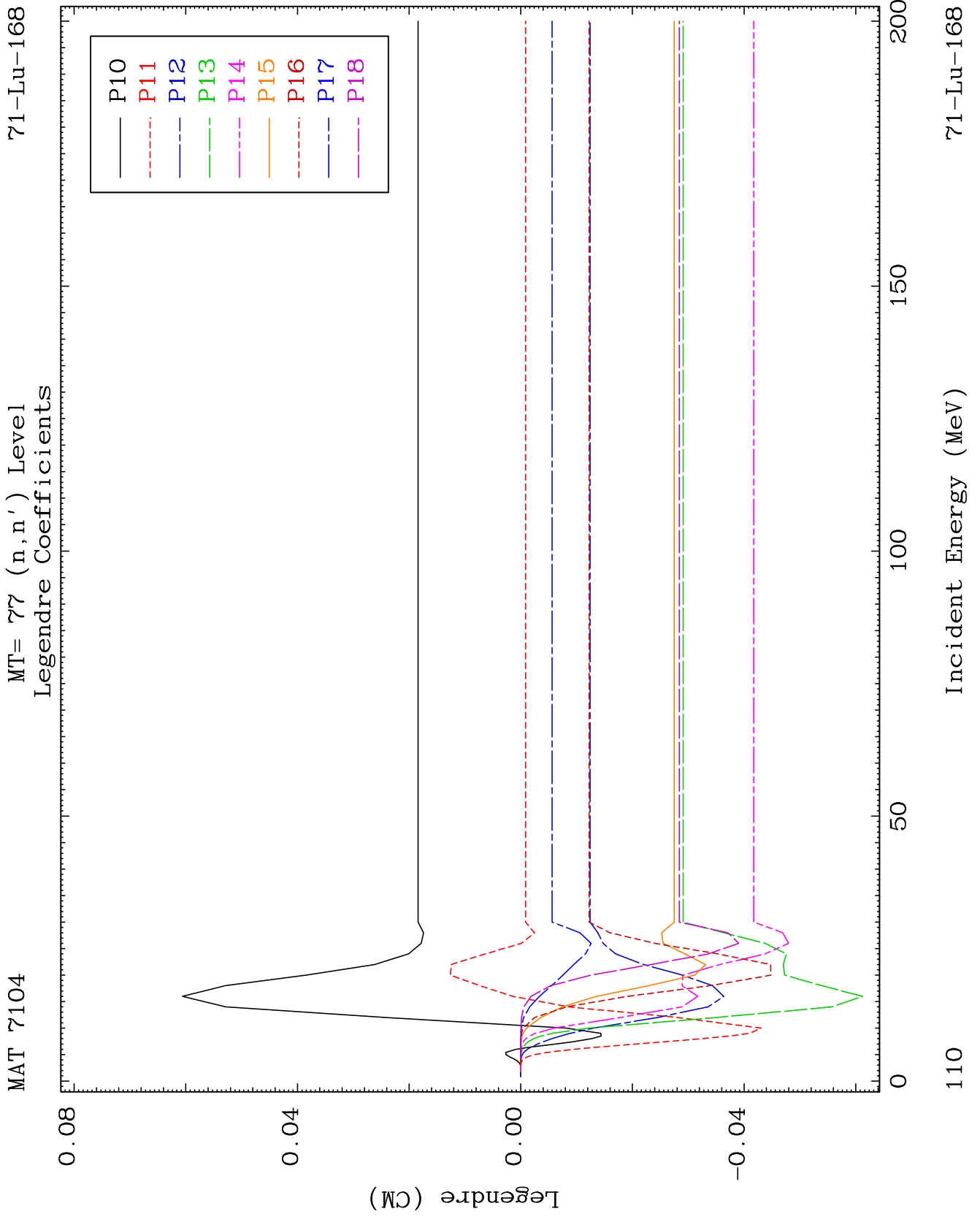
107

Incident Energy (MeV)

71-Lu-168



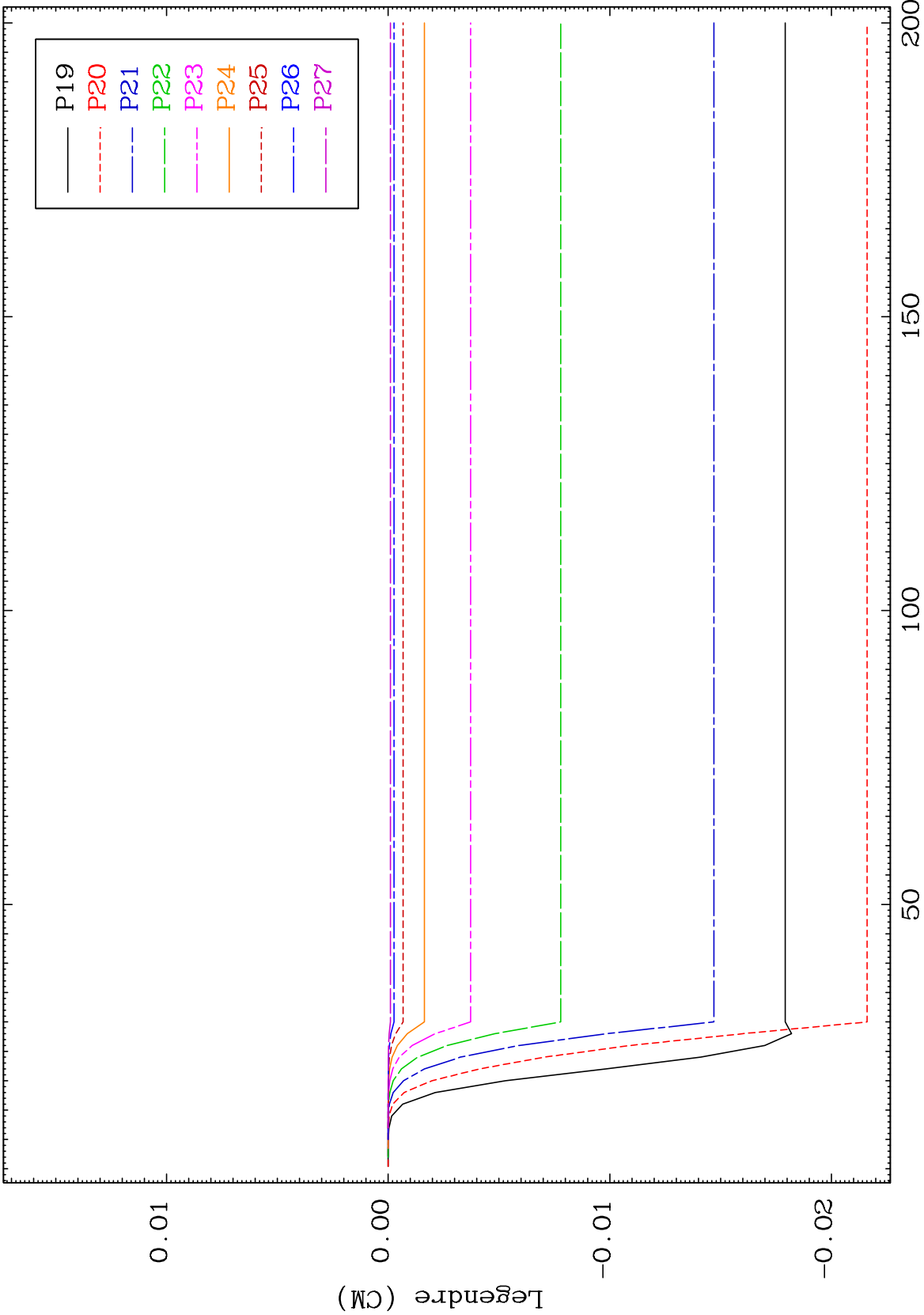




MAT 7104

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

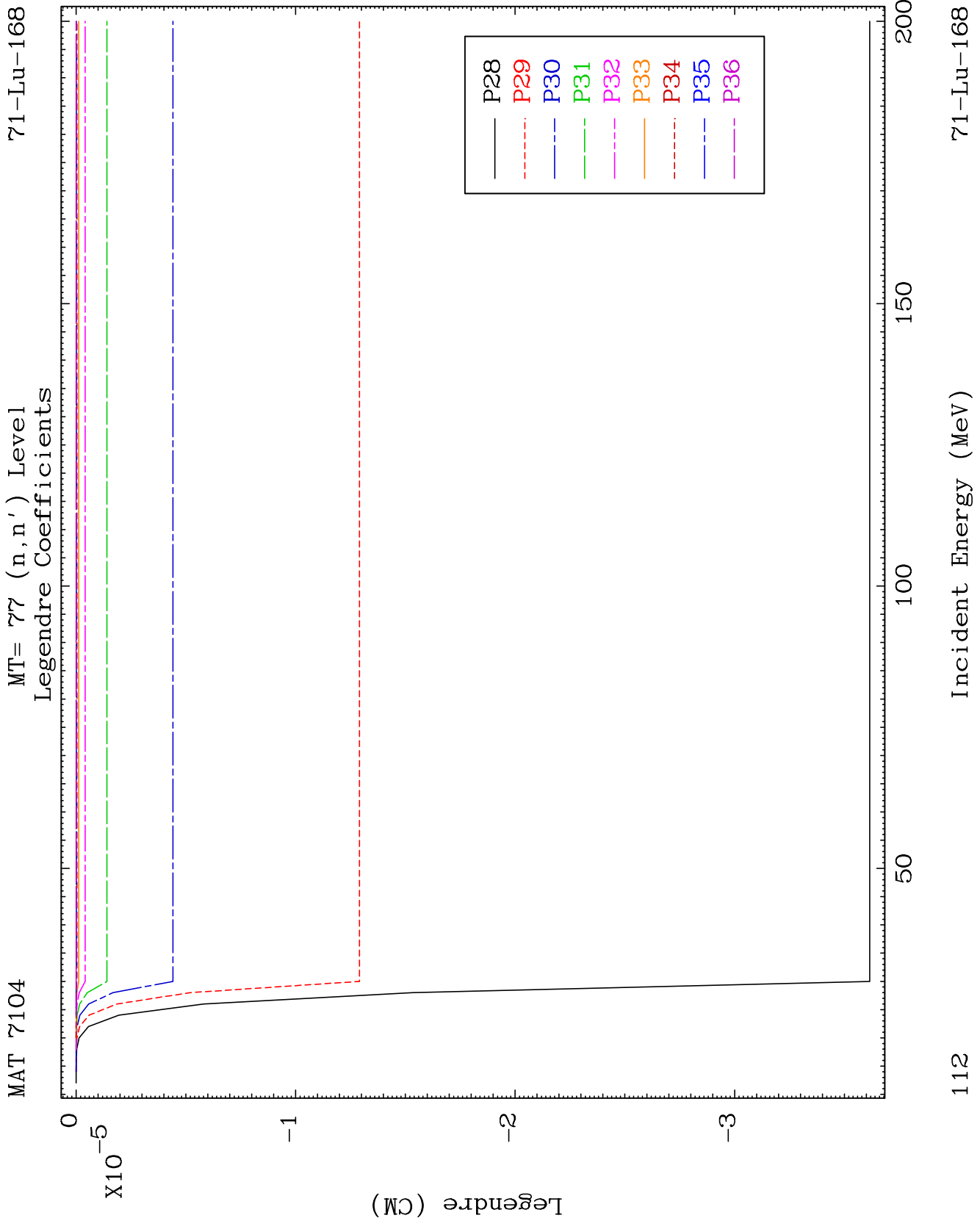
71-Lu-168



111

Incident Energy (MeV)

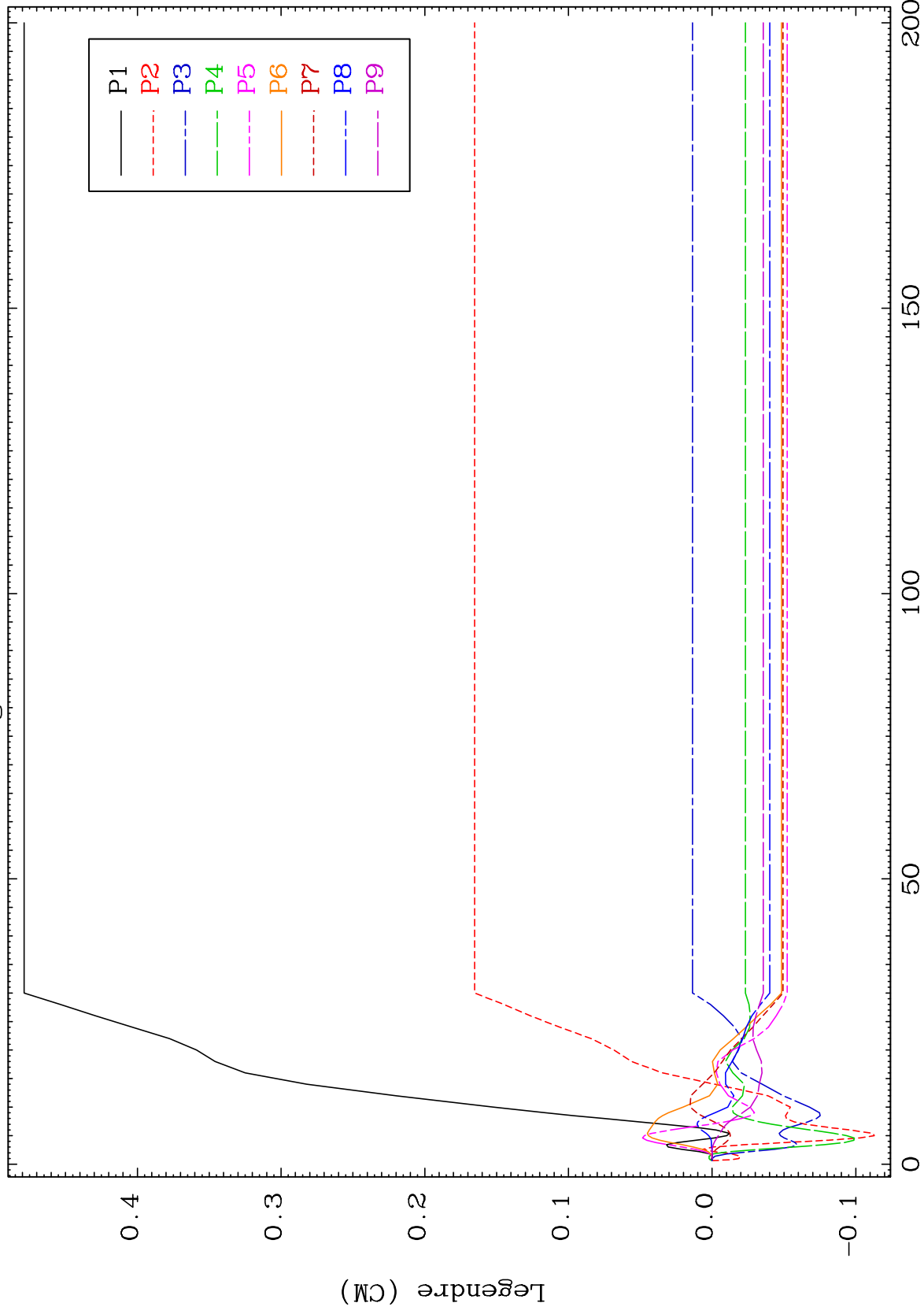
71-Lu-168



MAT 7104

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

71-Lu-168



71-Lu-168

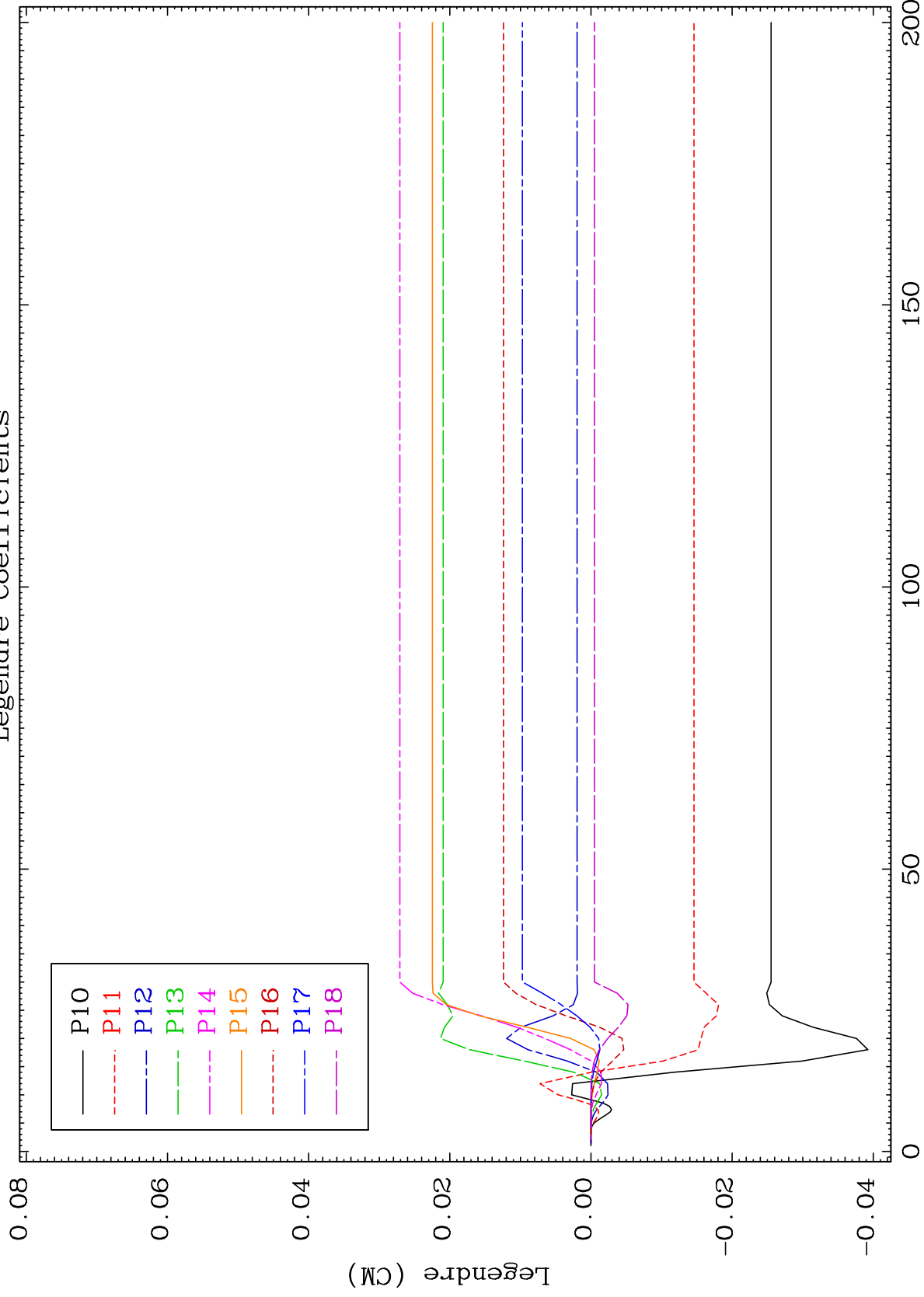
Incident Energy (MeV)

113

MAT 7104

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

71-Lu-168



114

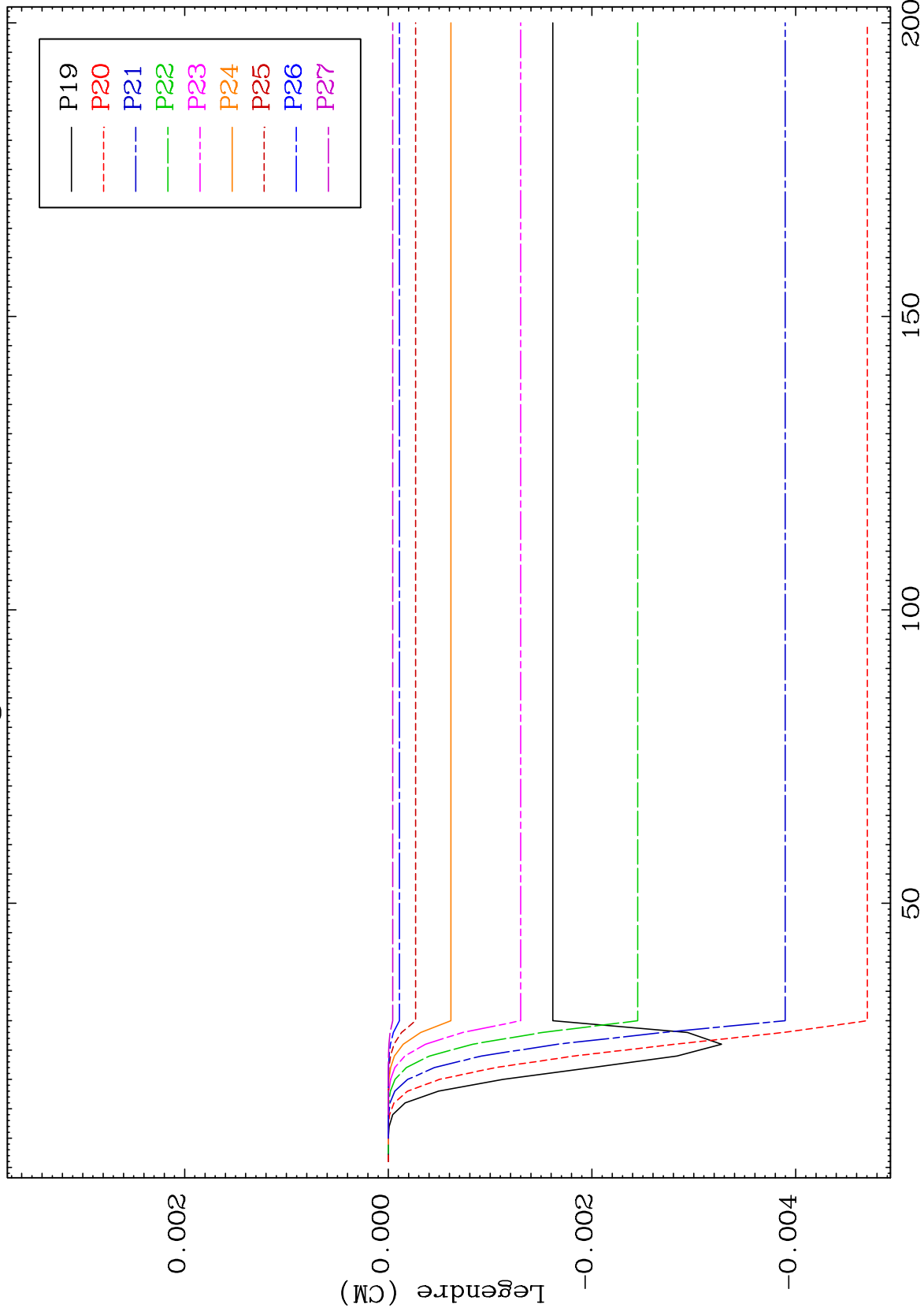
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

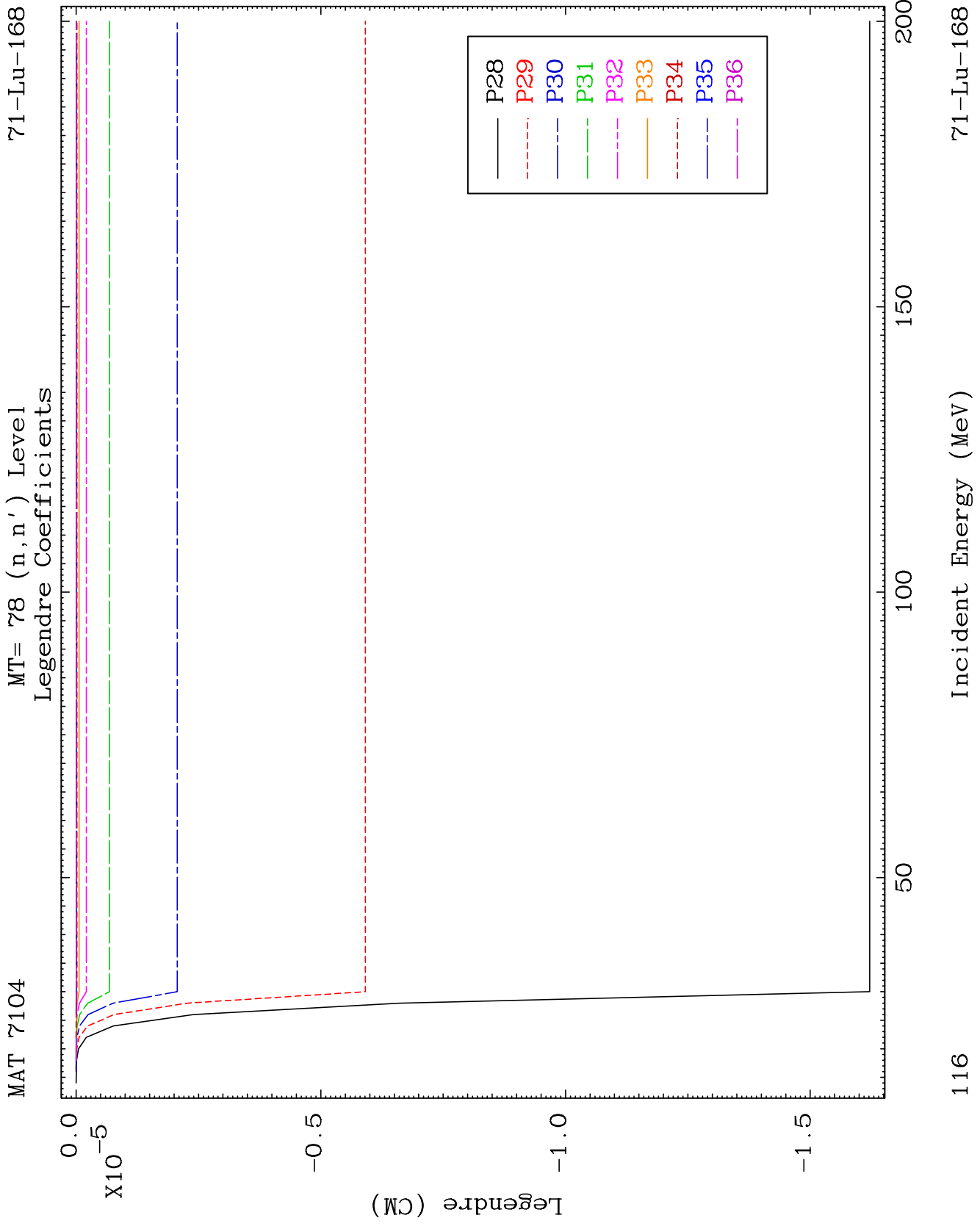
71-Lu-168

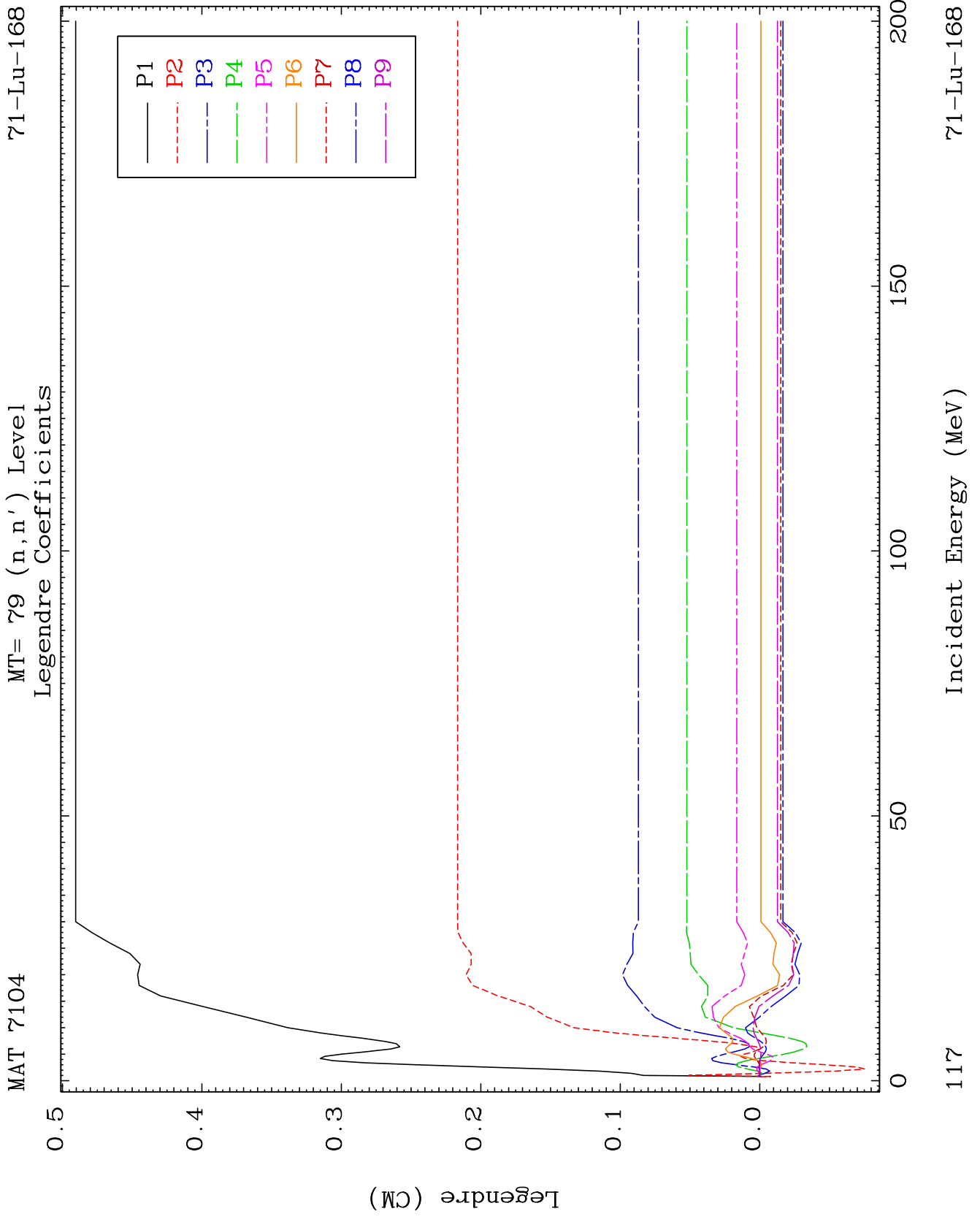


115

Incident Energy (MeV)

71-Lu-168

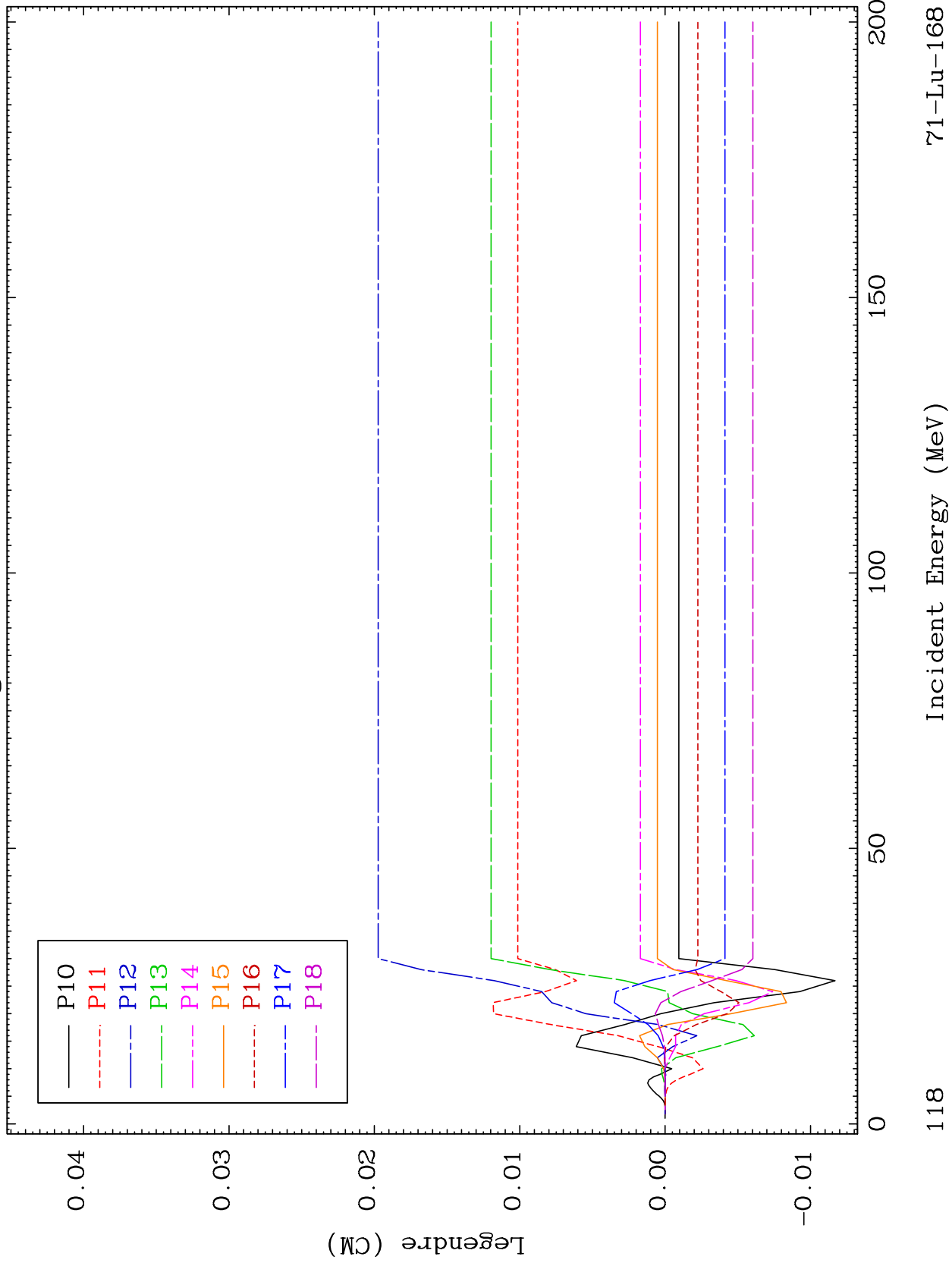




MAT 7104

MT= 79 (n,n') Level
Legendre Coefficients

71-Lu-168



118

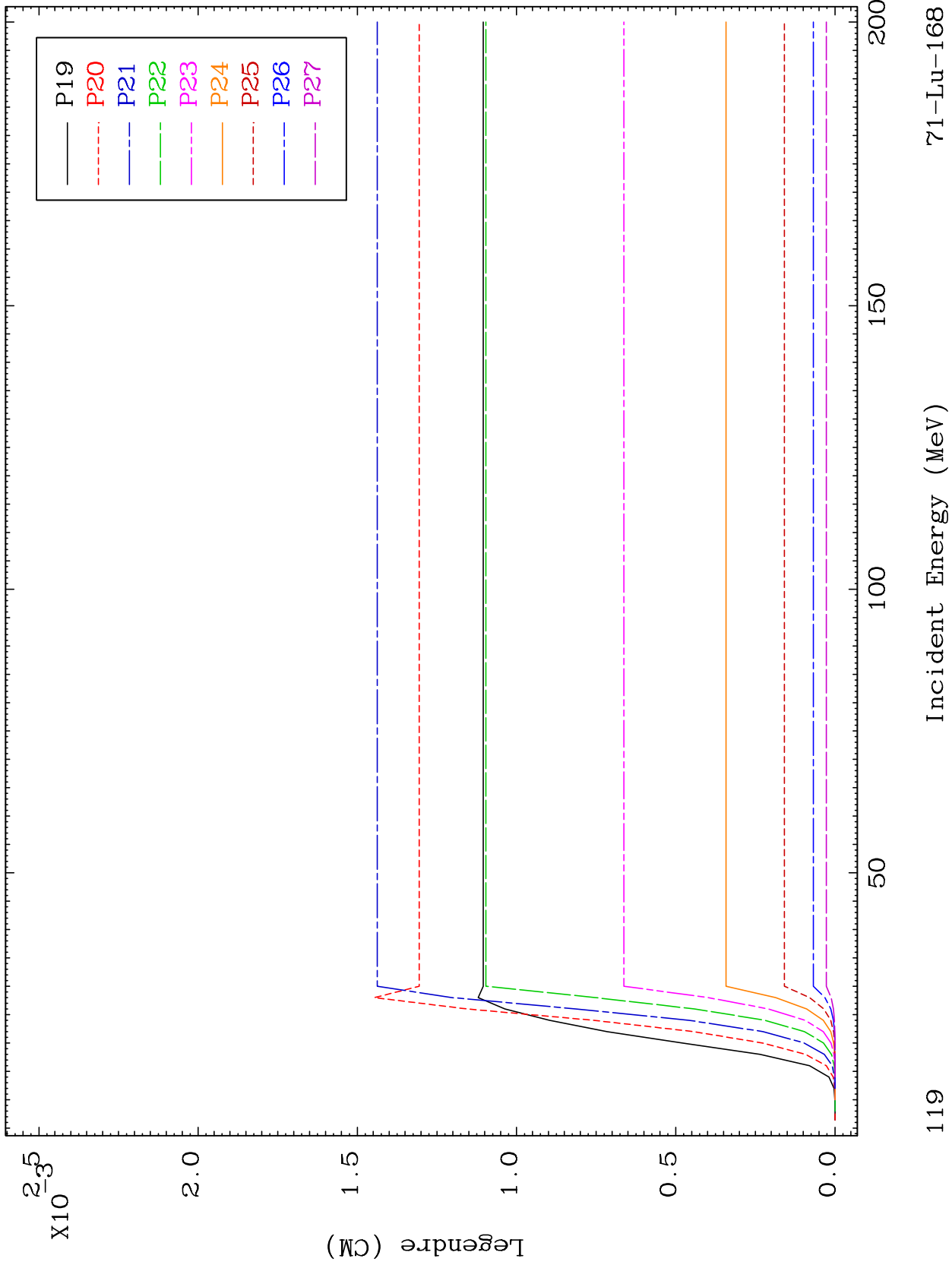
Incident Energy (MeV)

71-Lu-168

MAT 7104

MT= 79 (n,n') Level
Legendre Coefficients

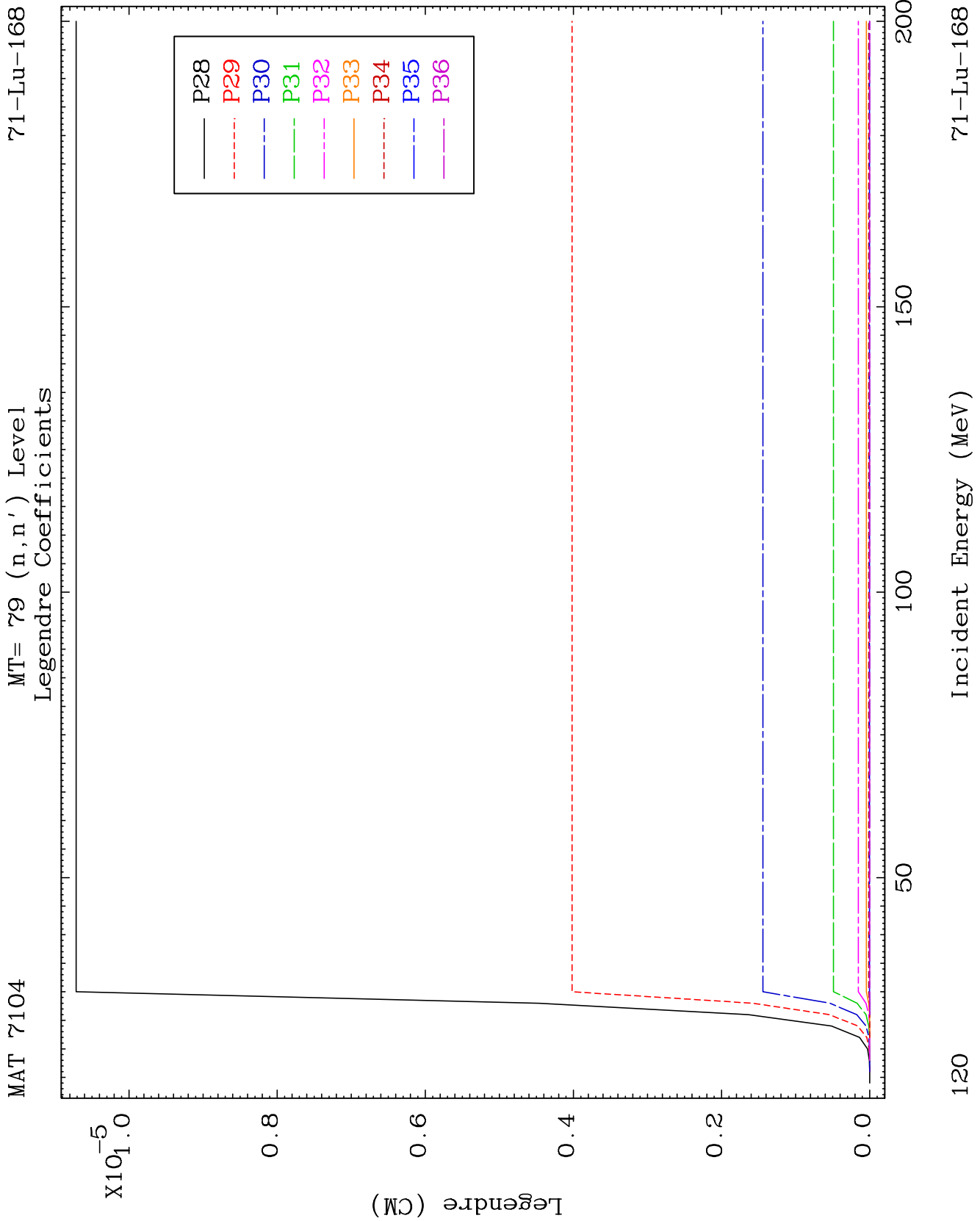
71-Lu-168



119

Incident Energy (MeV)

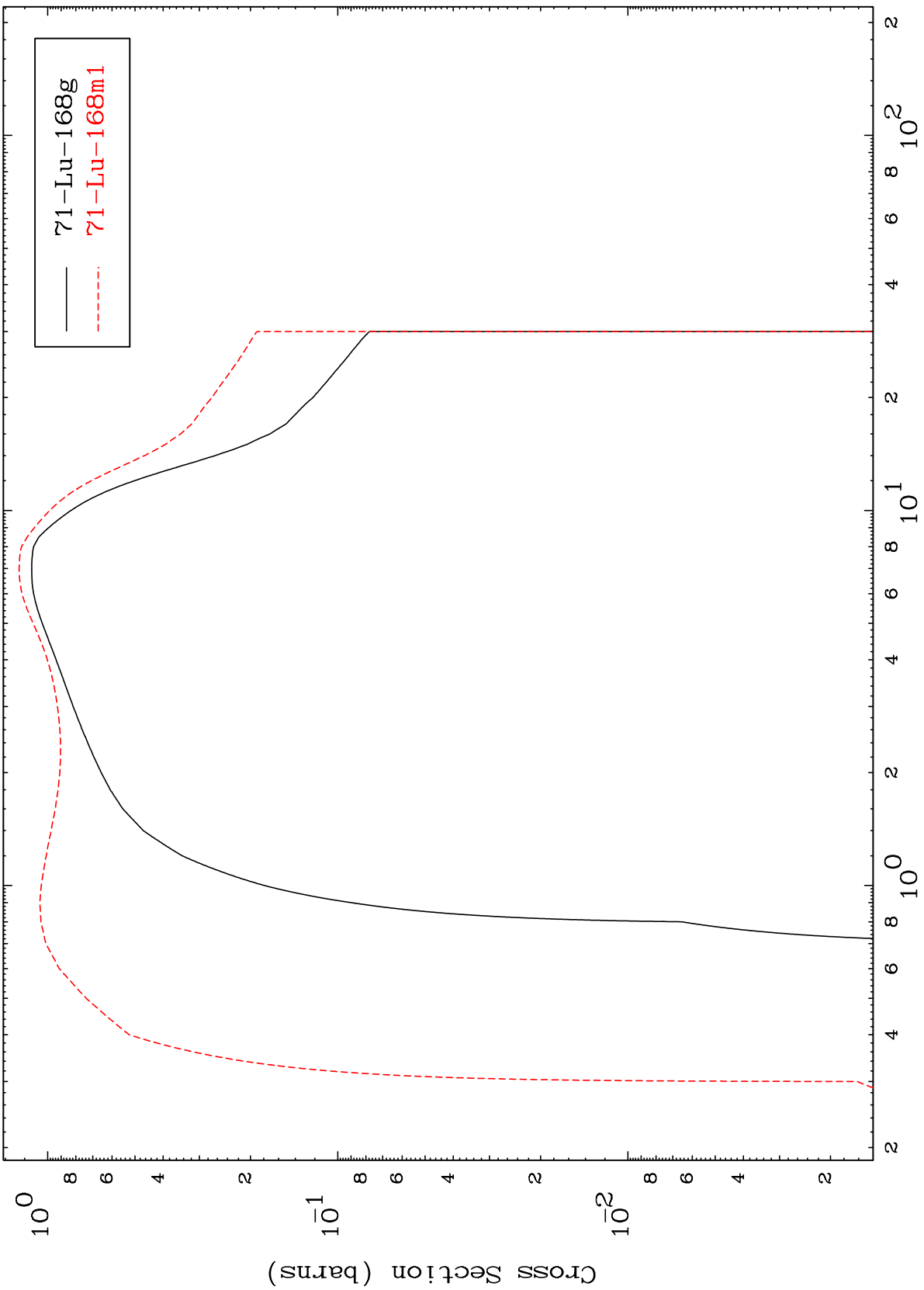
71-Lu-168



MAT 7104

71-Lu-168

Inelastic
Radionuclide Production Cross Section



121

Incident Energy (MeV)

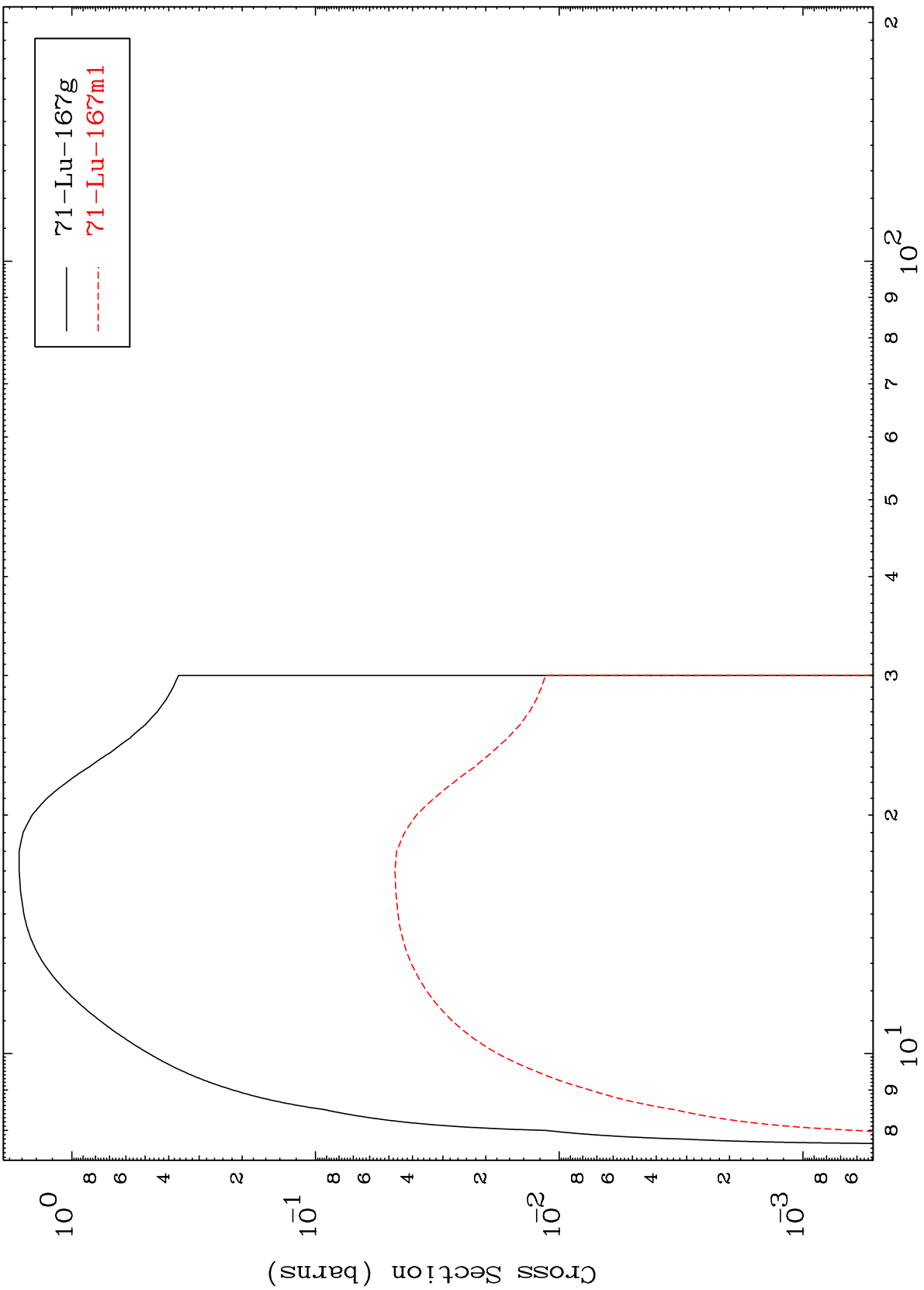
71-Lu-168

MAT 7104

71-Lu-168

(n,2n)

Radionuclide Production Cross Section



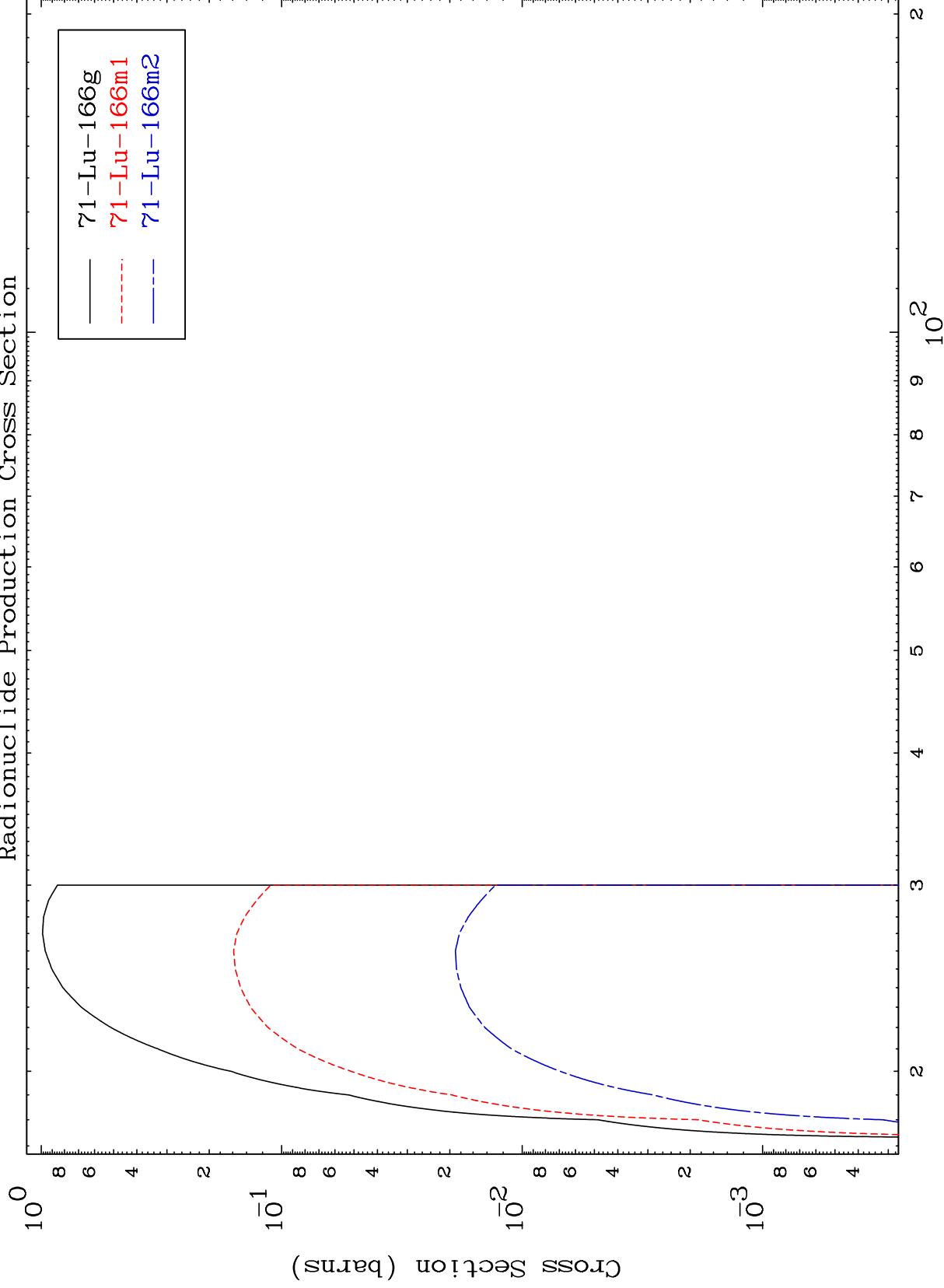
71-Lu-167g
71-Lu-167m1

122

Incident Energy (MeV)

71-Lu-168

Radionuclide Production Cross Section

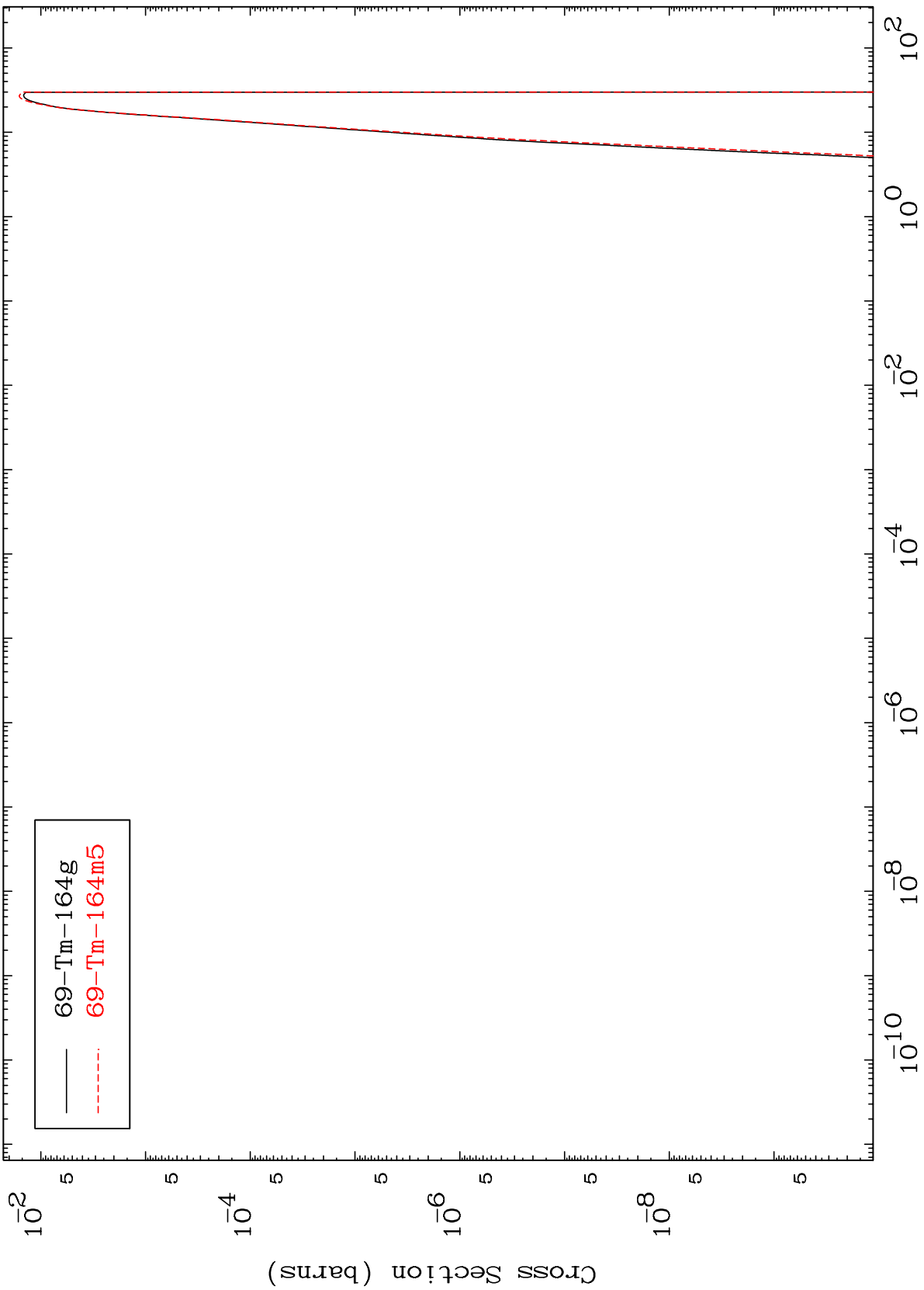


MAT 7104

$(n, n') \alpha$

$^{71}\text{Lu-168}$

Radionuclide Production Cross Section

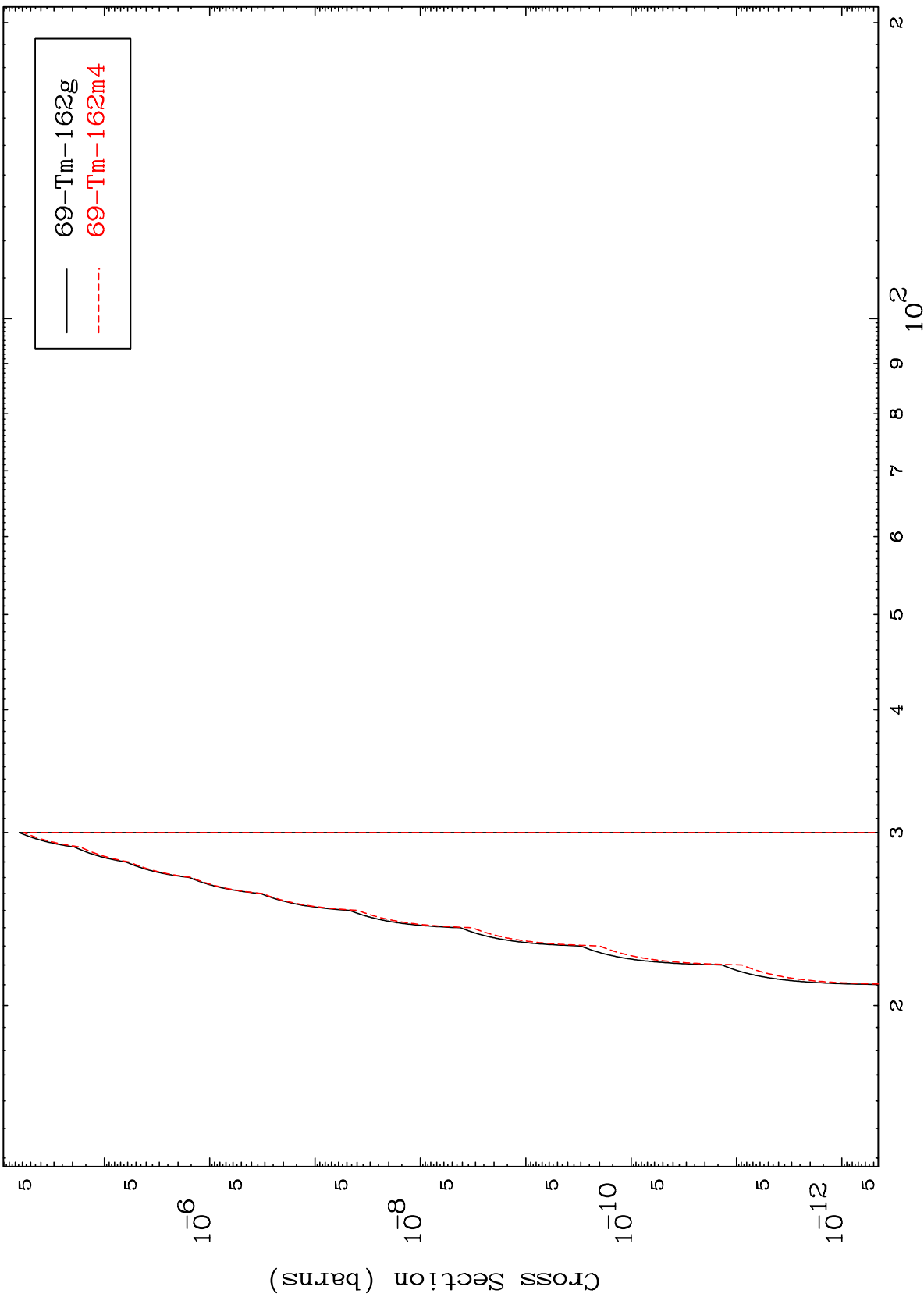


124

Incident Energy (MeV)

$^{71}\text{Lu-168}$

Radionuclide Production Cross Section

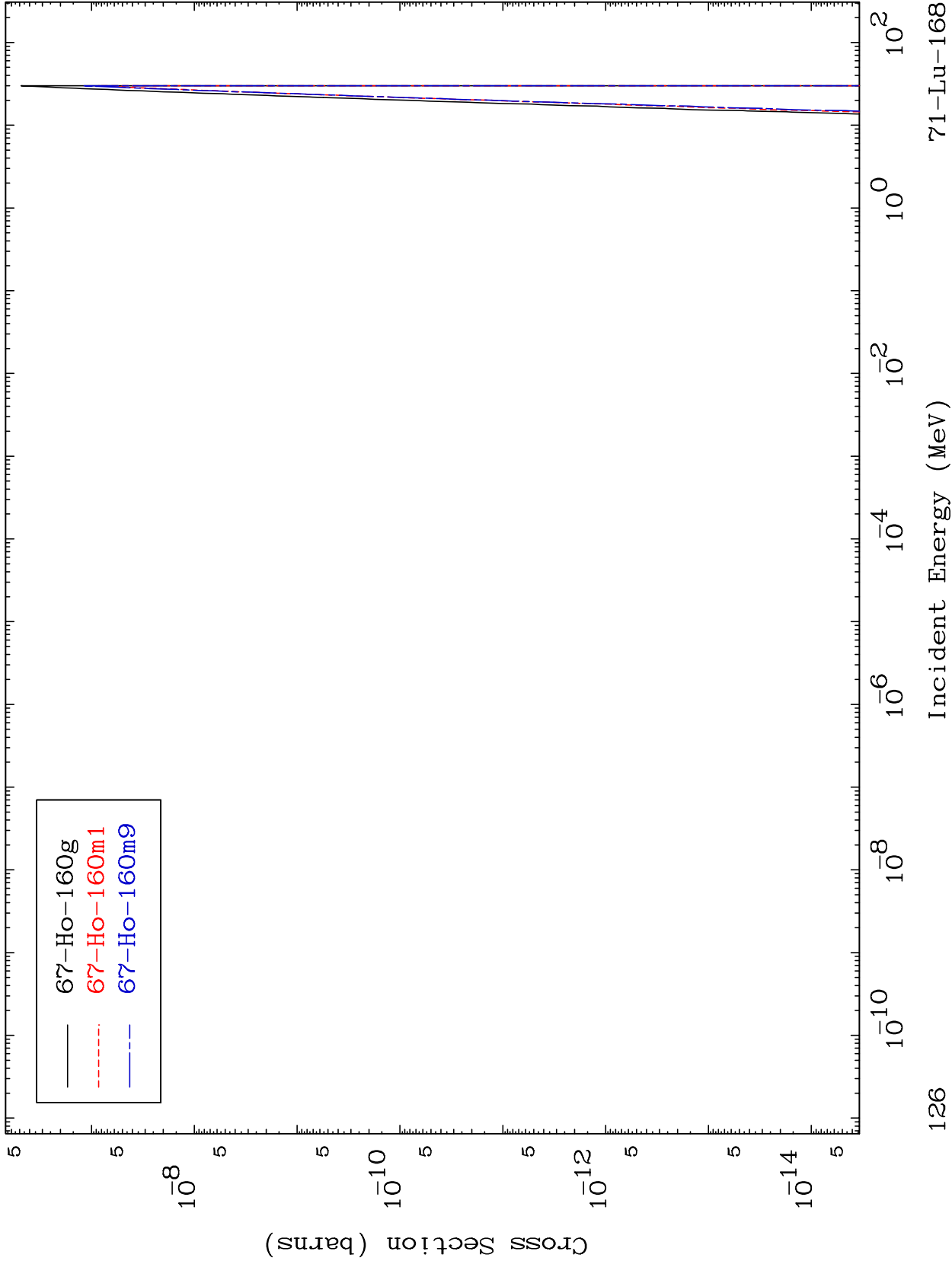


MAT 7104

(n, n') 2α

$^{71}\text{Lu-168}$

Radionuclide Production Cross Section



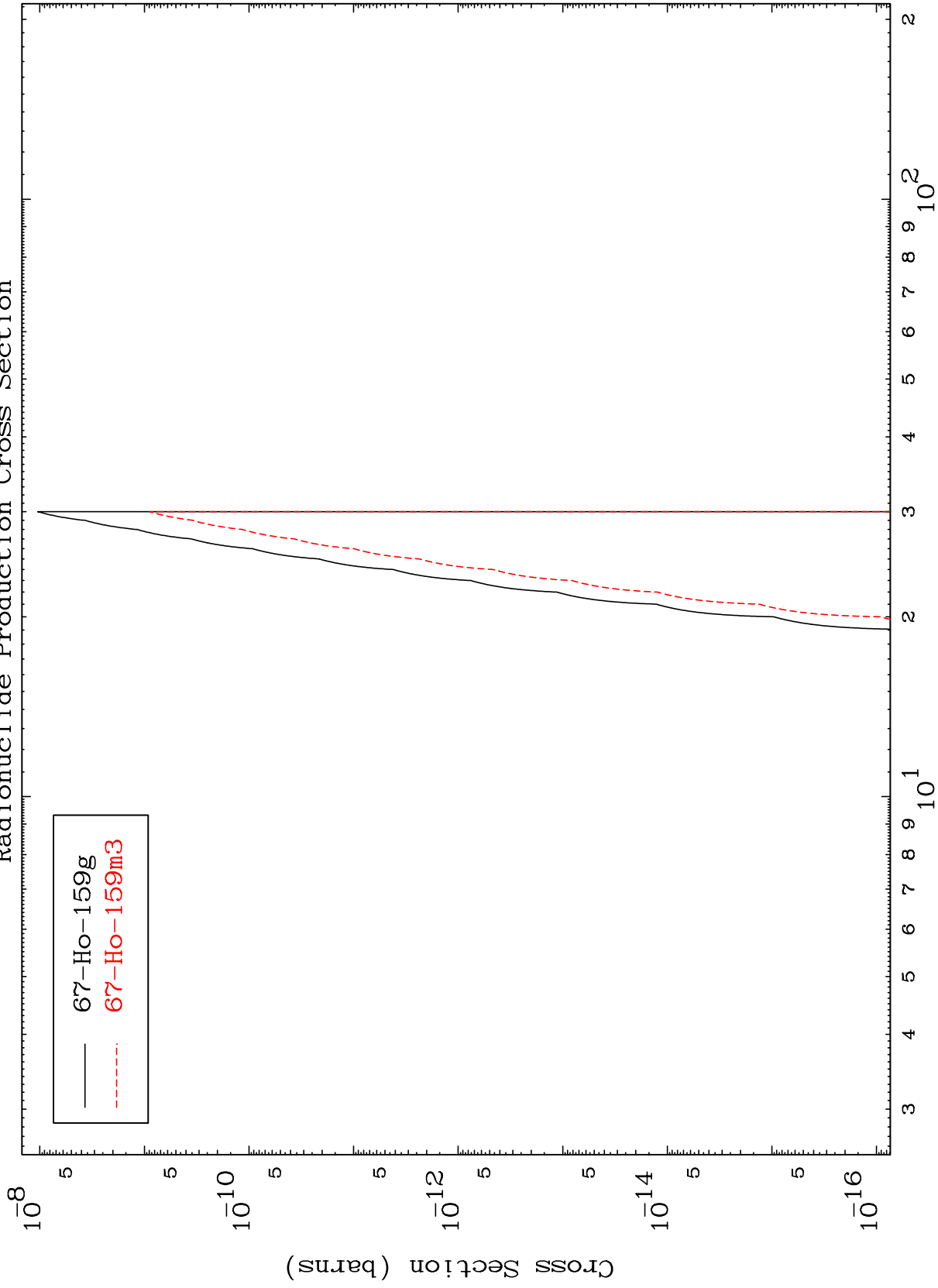
67-Ho-160g
67-Ho-160m1
67-Ho-160m9

MAT 7104

^{67}Lu

^{168}Lu

Radionuclide Production Cross Section



127

Incident Energy (MeV)

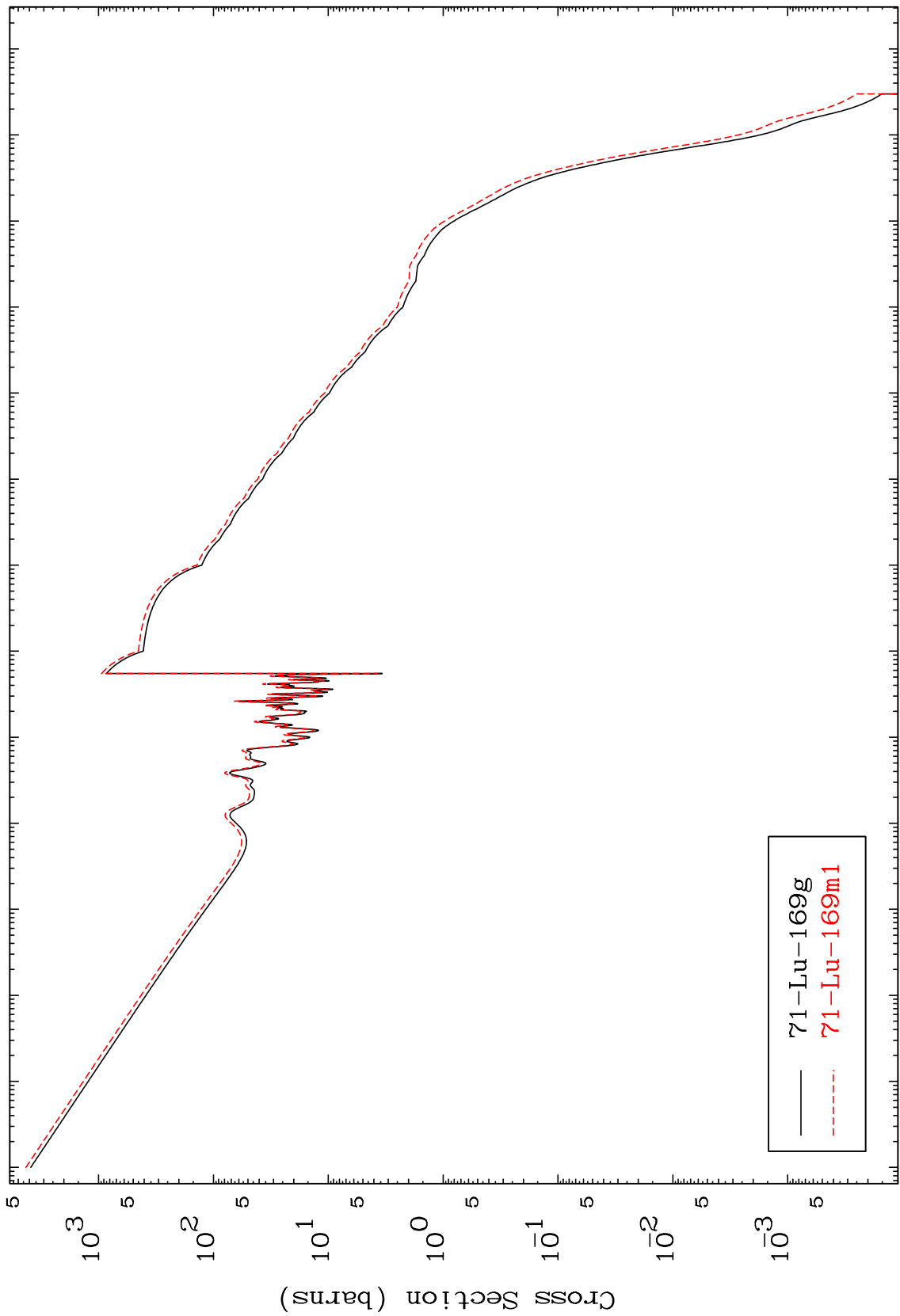
^{168}Lu

MAT 7104

71-Lu-168

Radionuclide Production Cross Section

(n, γ)



71-Lu-168

Incident Energy (MeV)

128

MAT 7104

(n,2α)

⁷¹Lu-168

Radionuclide Production Cross Section

