

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

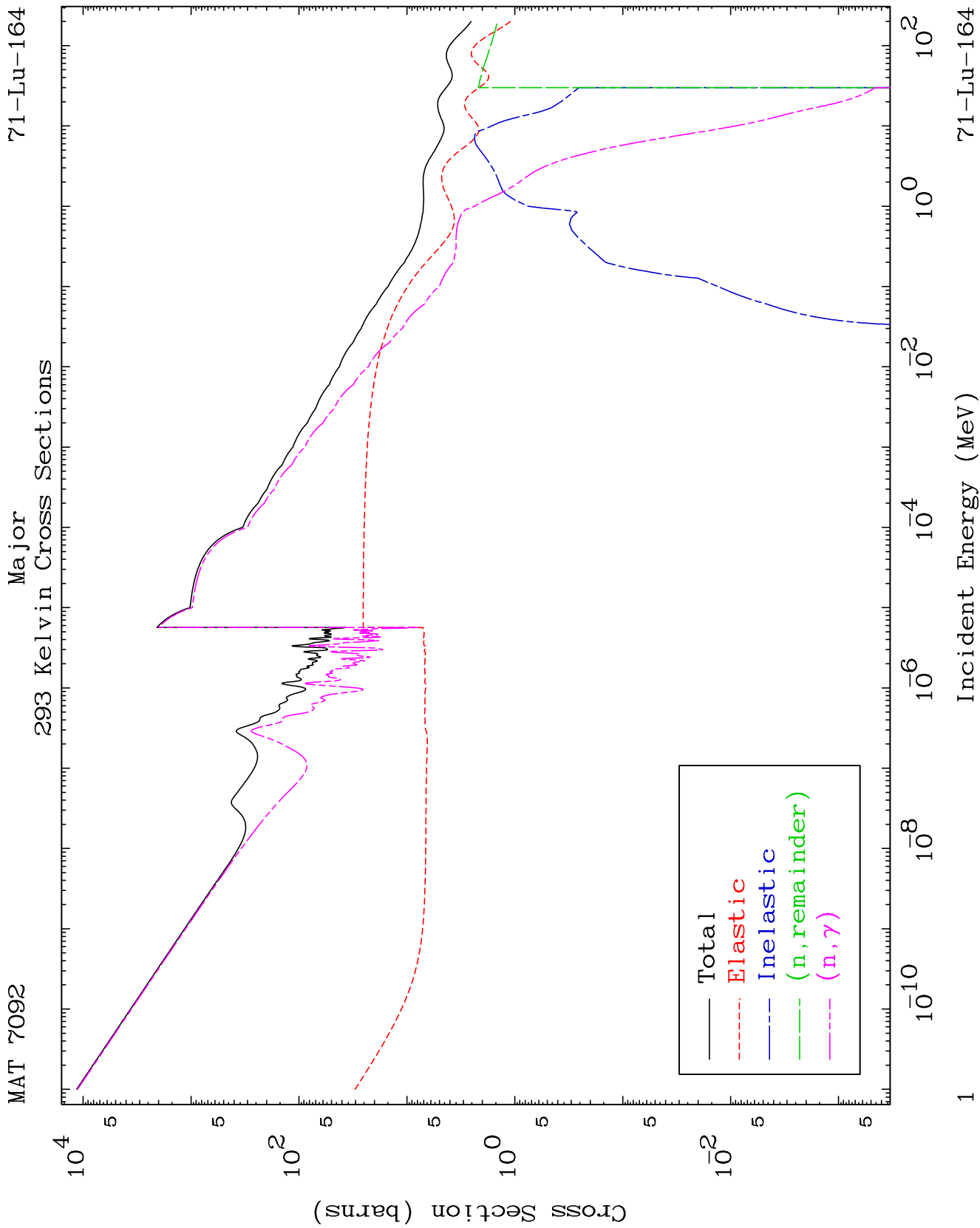
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

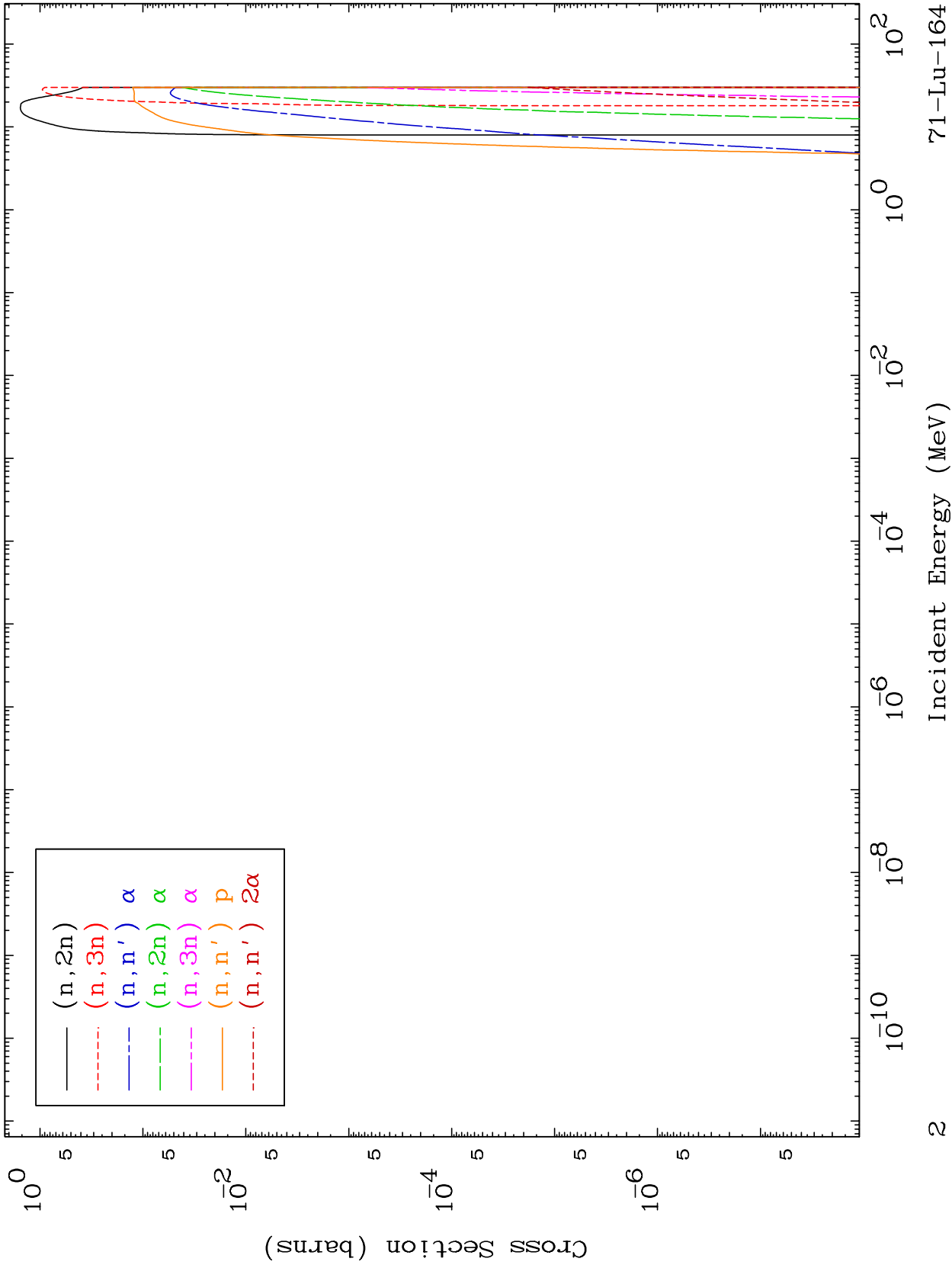
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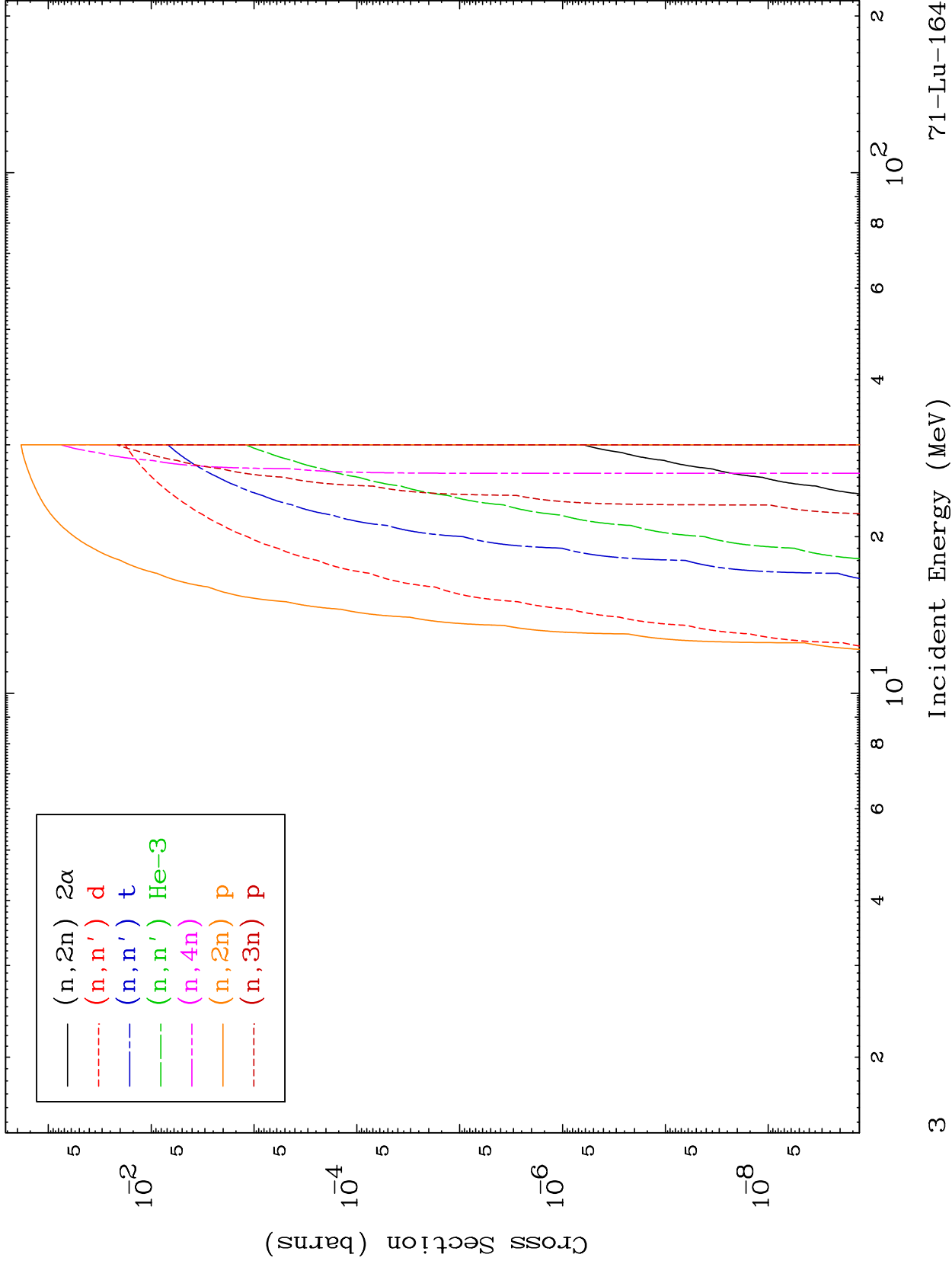


MAT 7092

Neutron Production
293 Kelvin Cross Sections

71-Lu-164

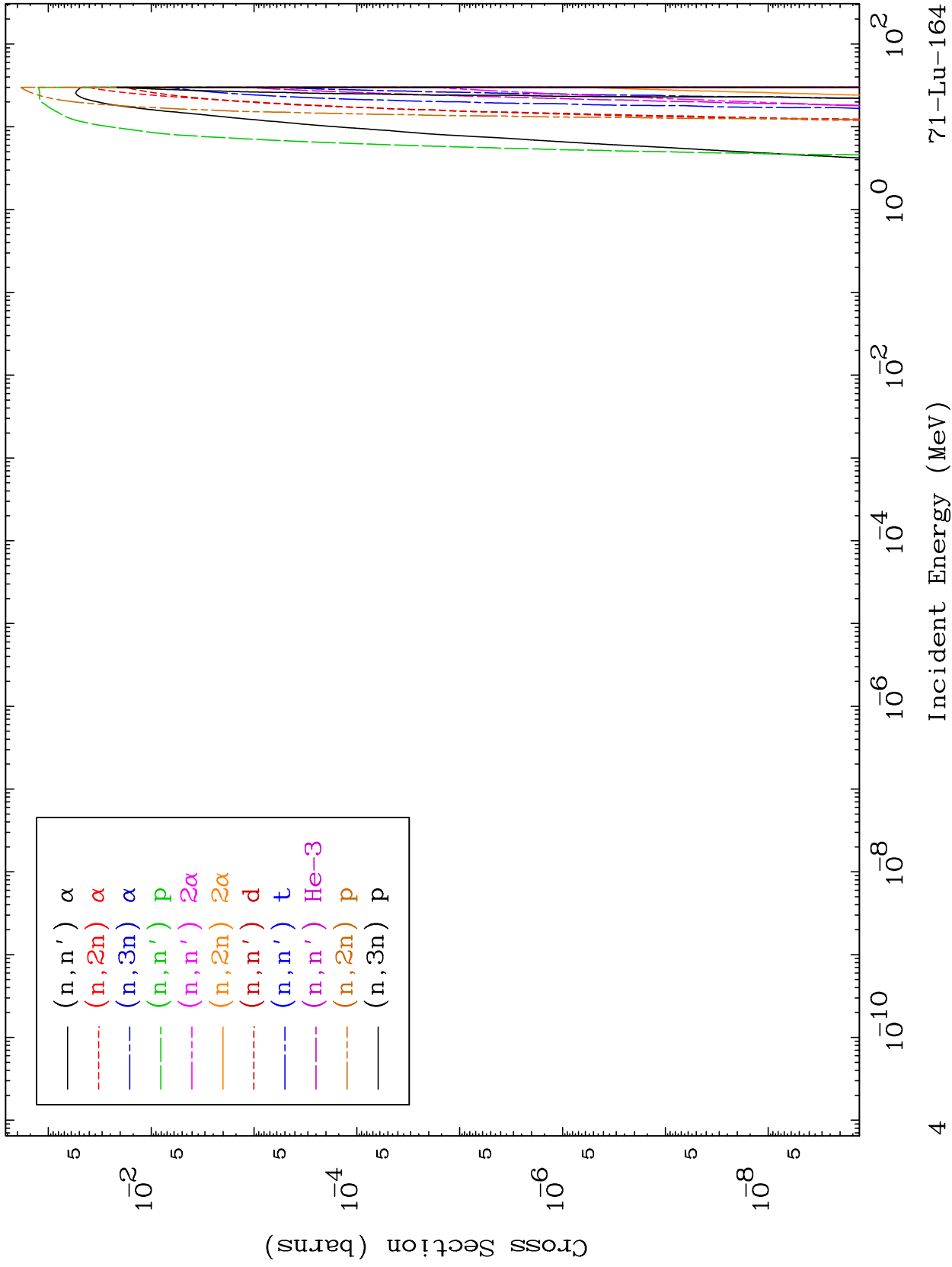


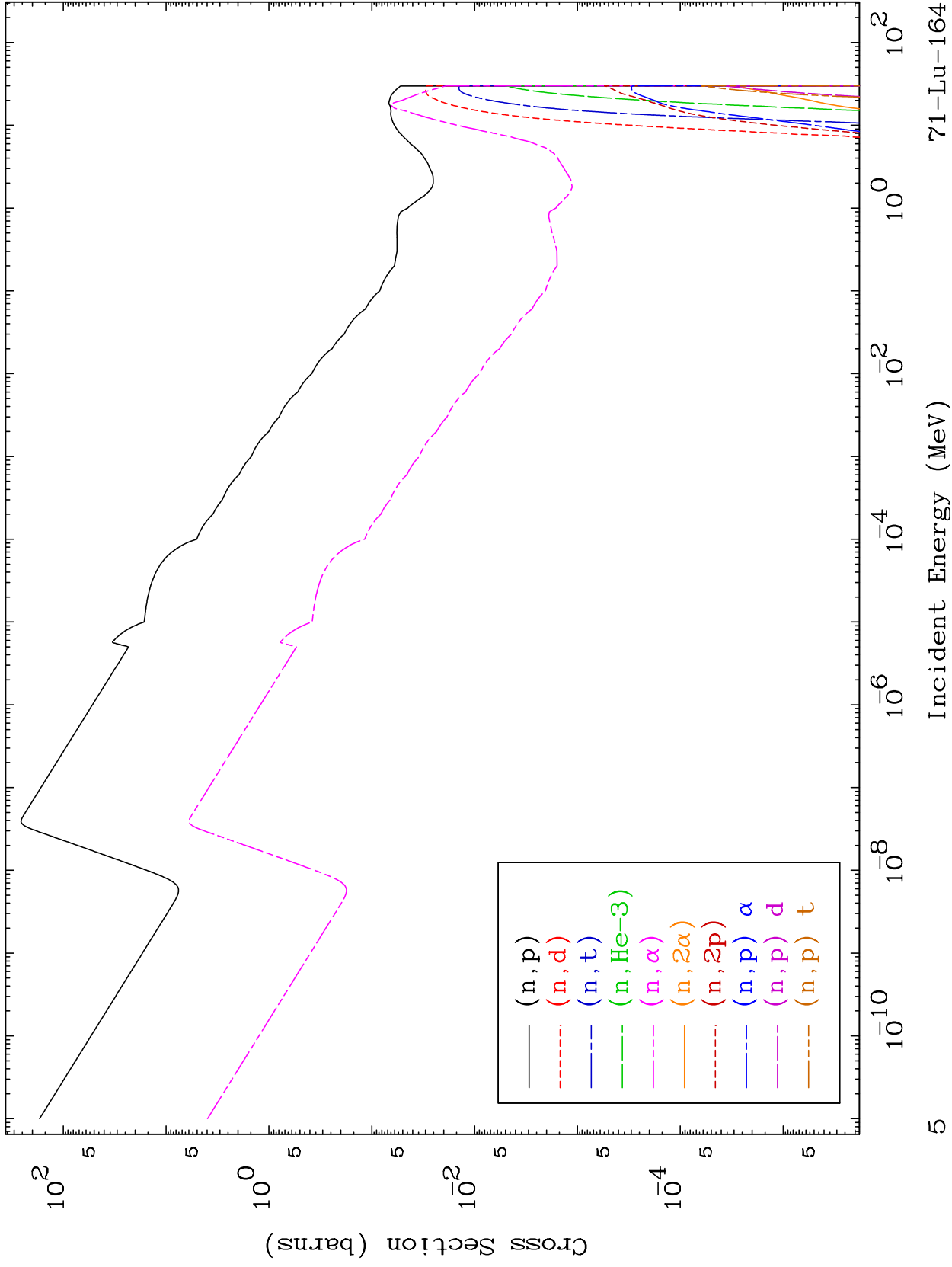


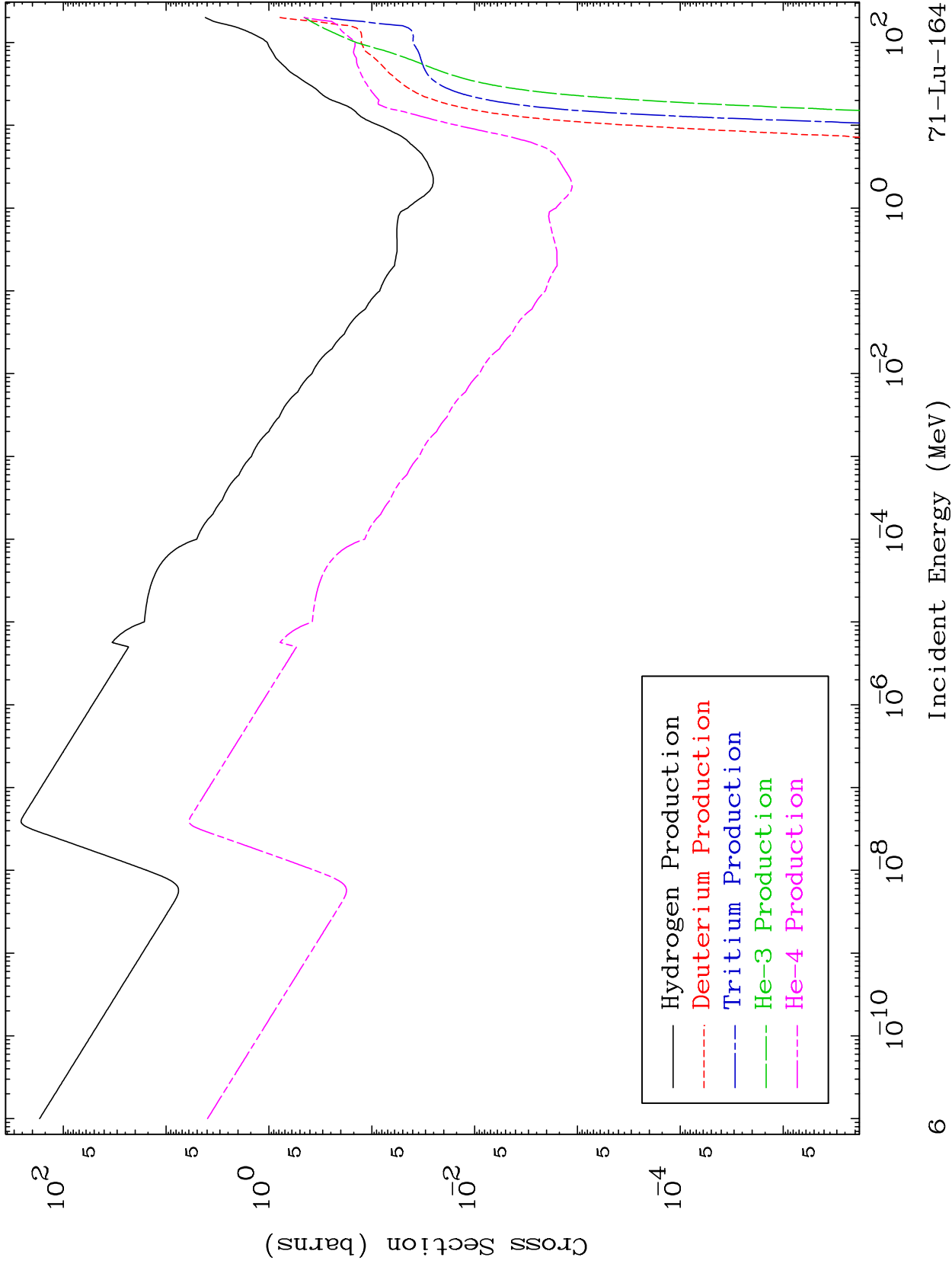
MAT 7092

Charged Particle
293 Kelvin Cross Sections

71-Lu-164



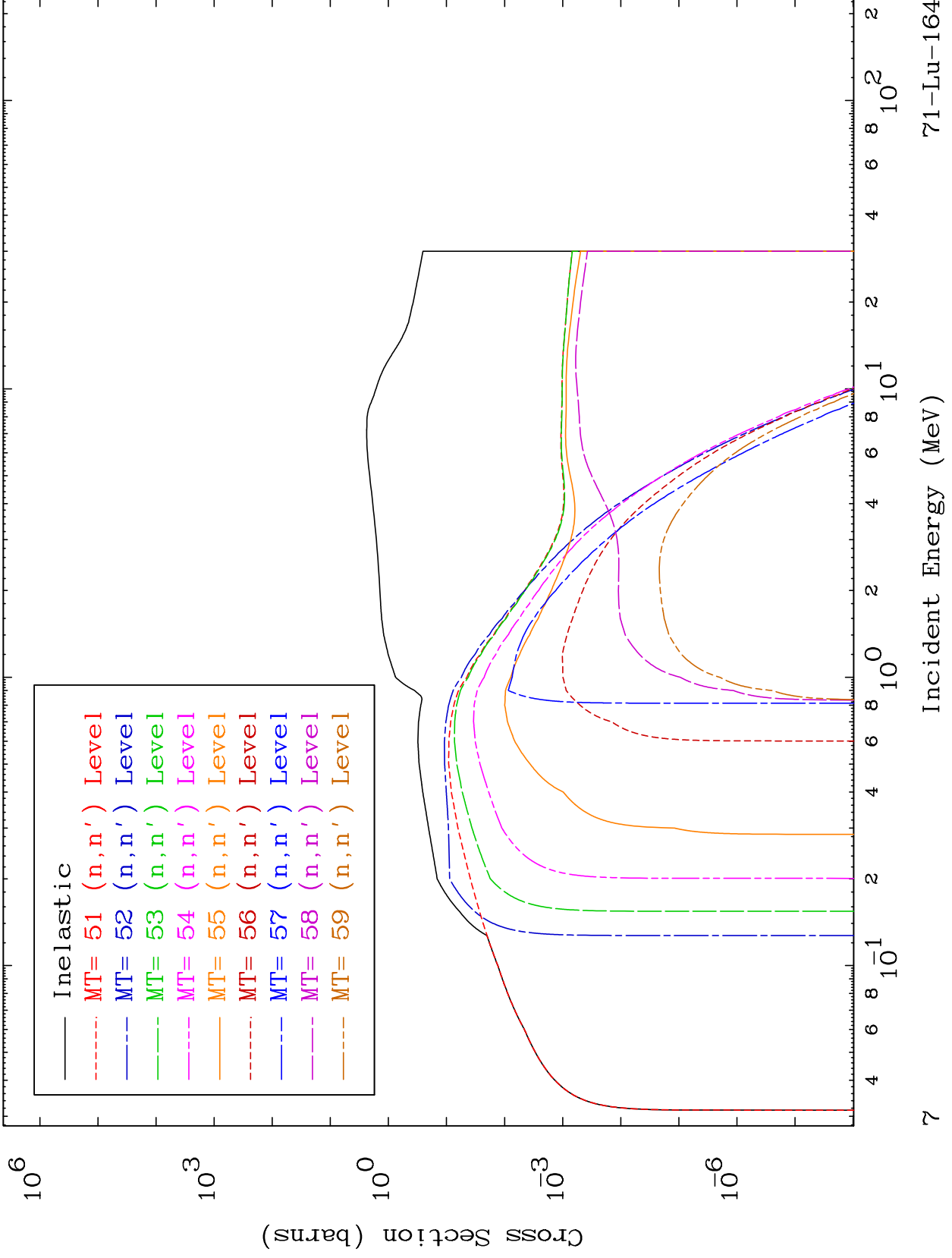




MAT 7092

(n,n') Level
293 Kelvin Cross Sections

71-Lu-164

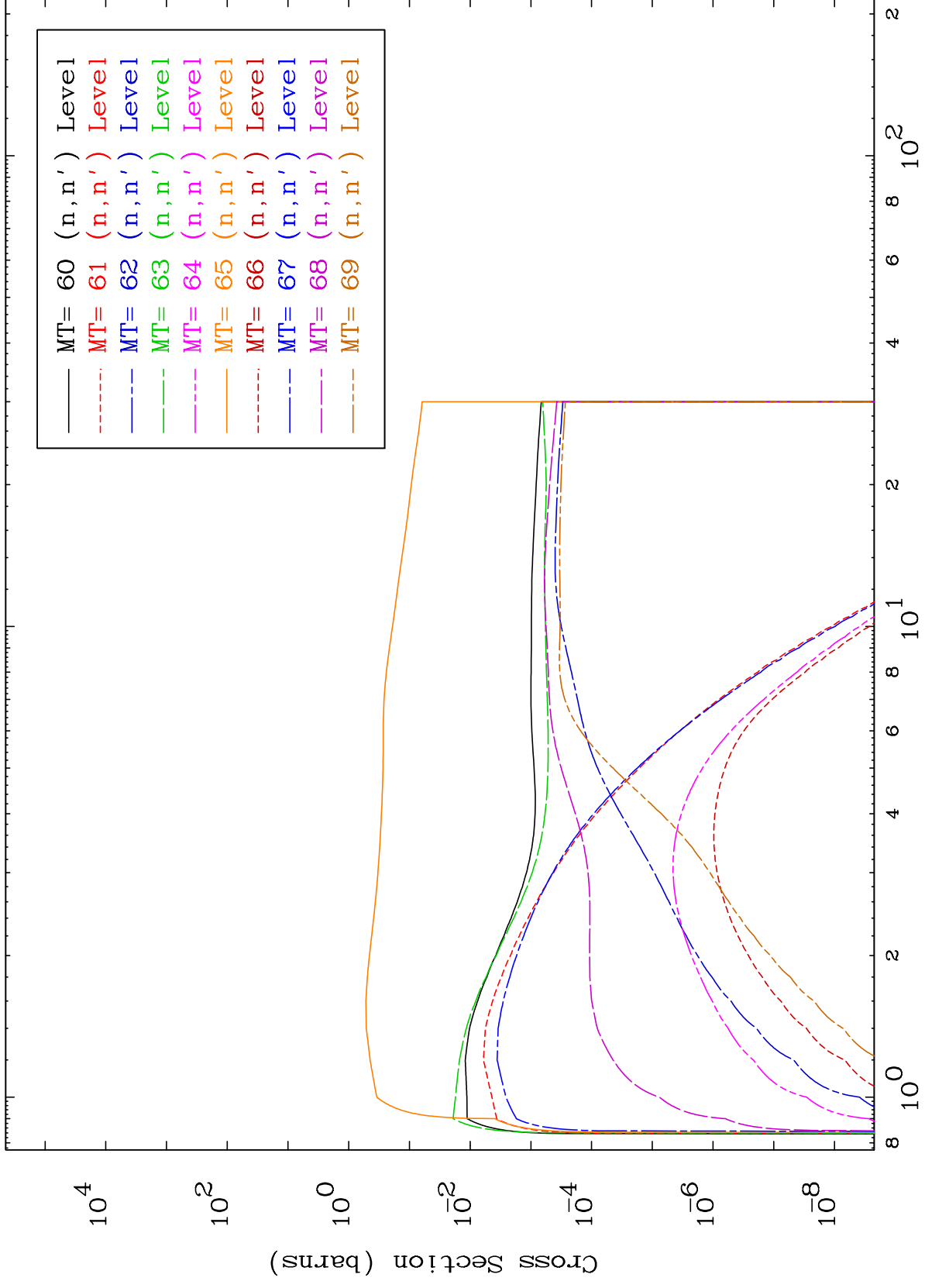


MAT 7092

(n,n') Level

71-Lu-164

293 Kelvin Cross Sections



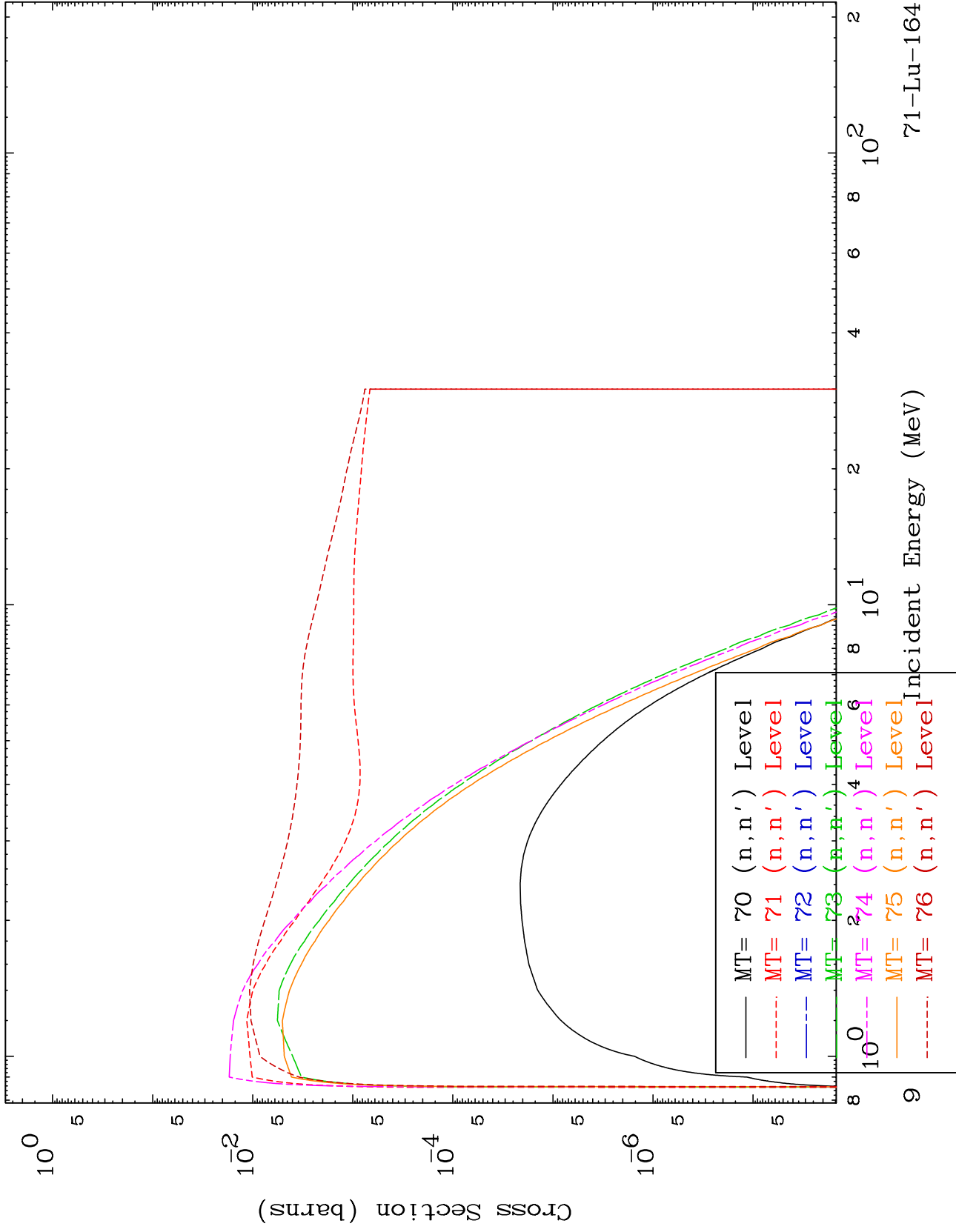
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,n') Level
293 Kelvin Cross Sections

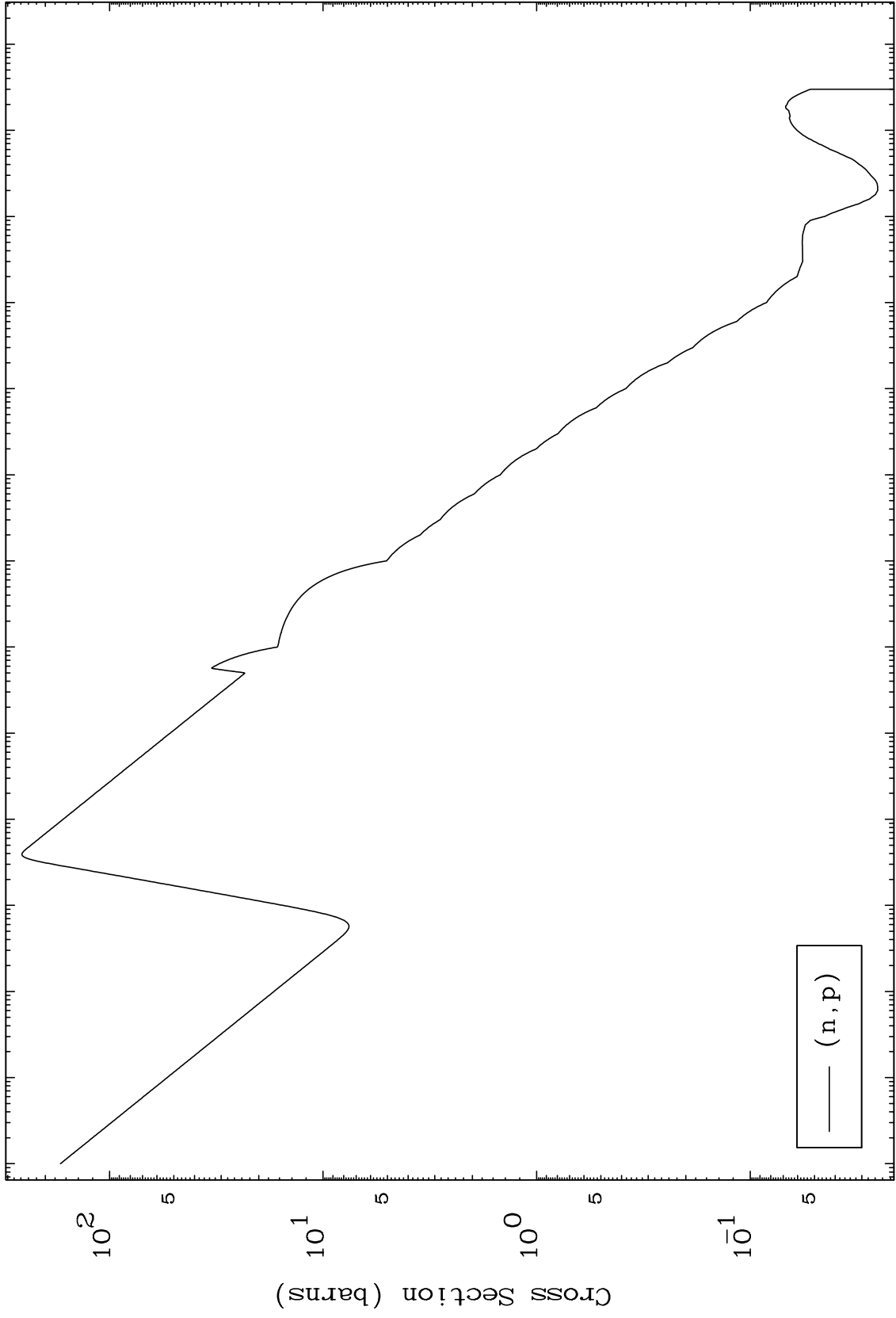
71-Lu-164



MAT 7092

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-164



10

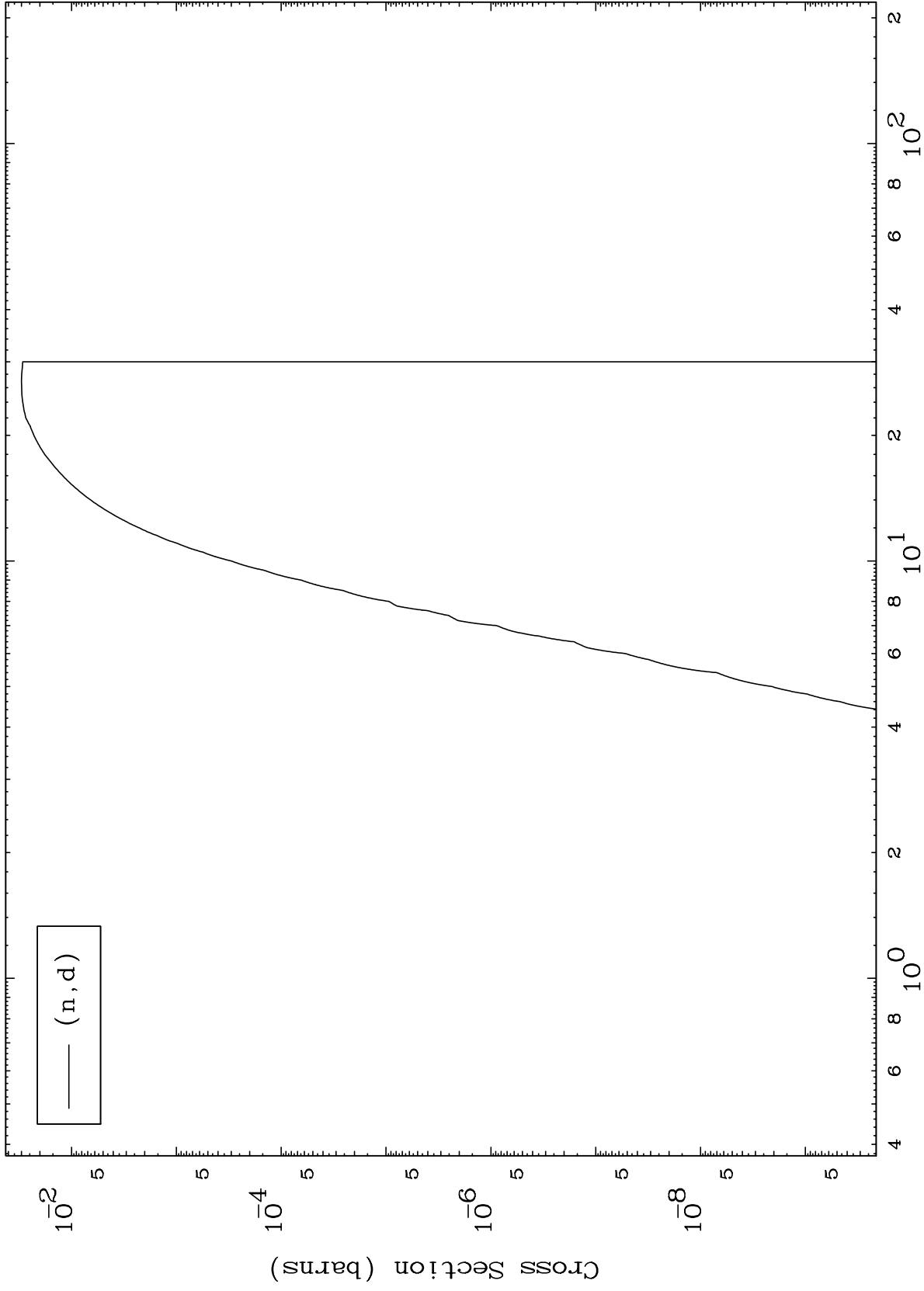
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-164



11

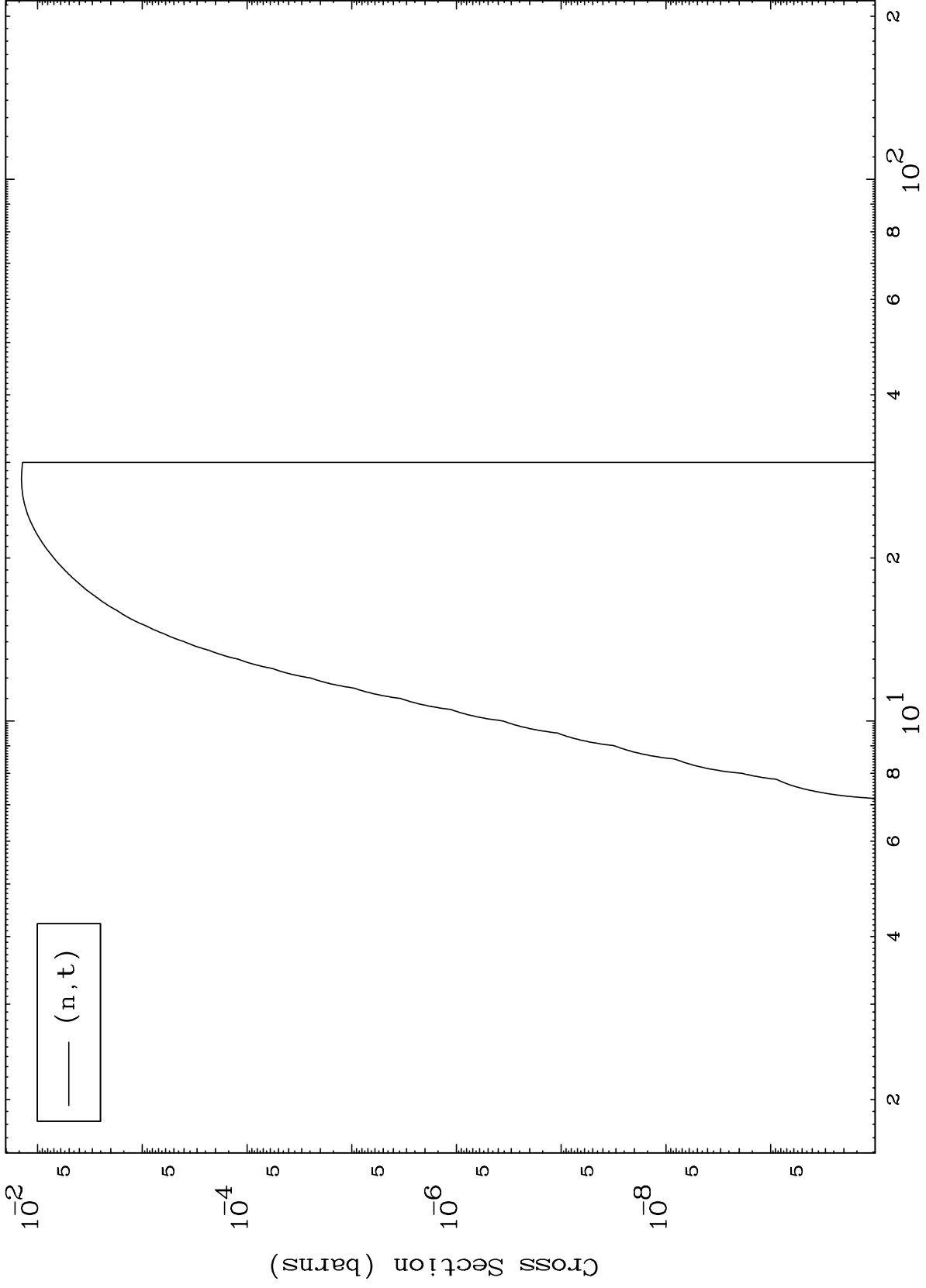
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-164



12

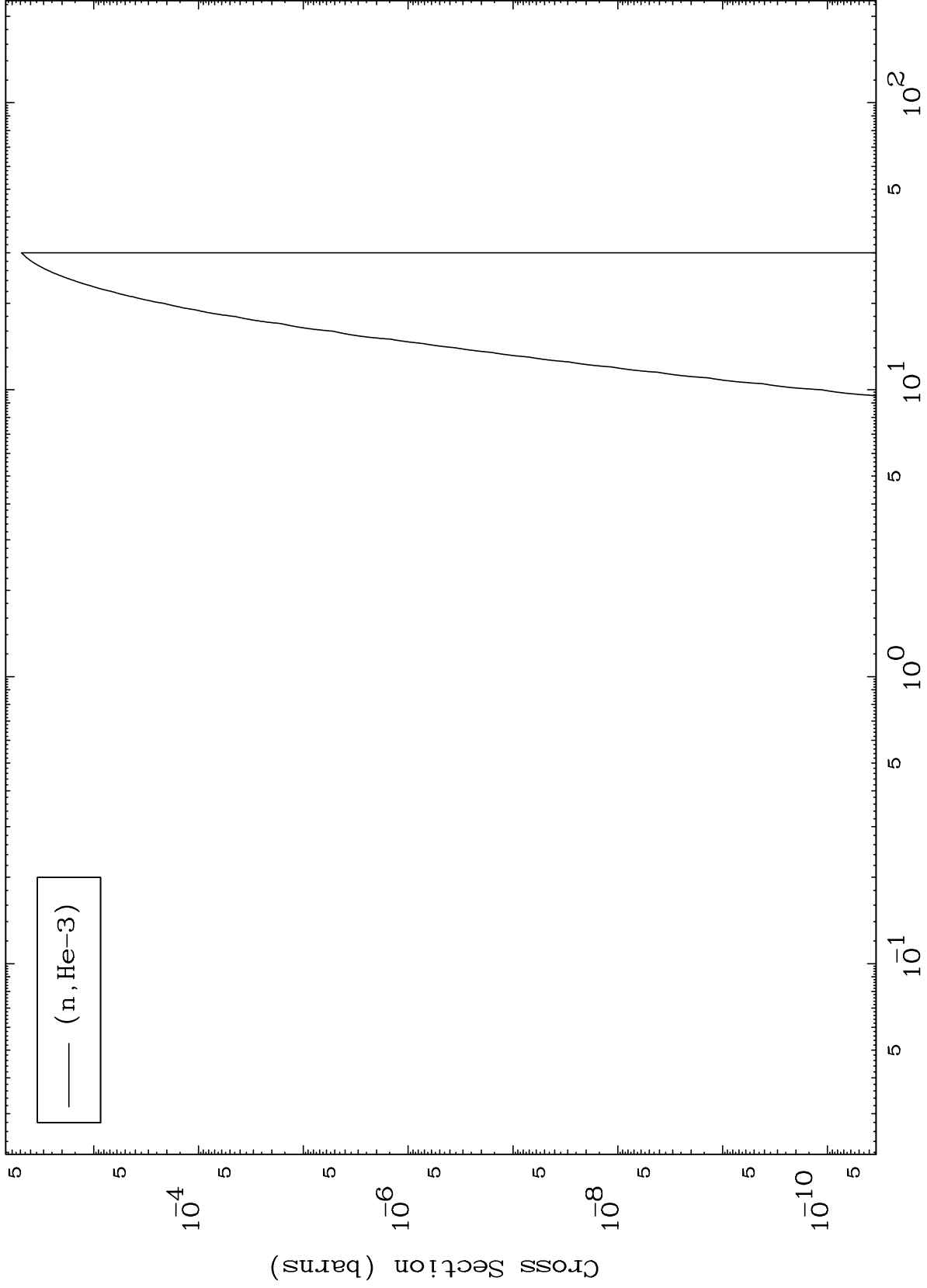
Incident Energy (MeV)

71-Lu-164

MAT 7092

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-164



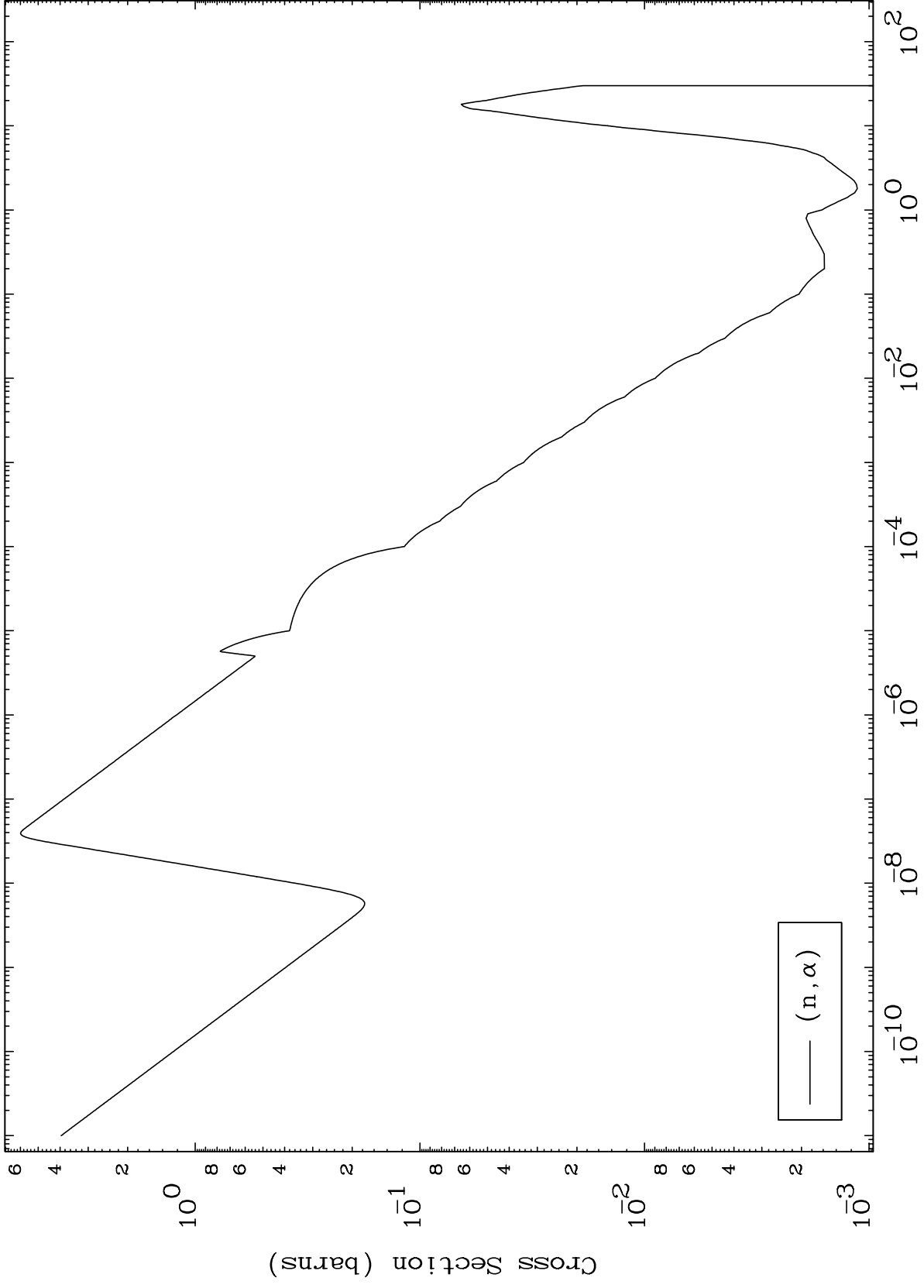
13

71-Lu-164

MAT 7092

(n, α) Levels
293 Kelvin Cross Sections

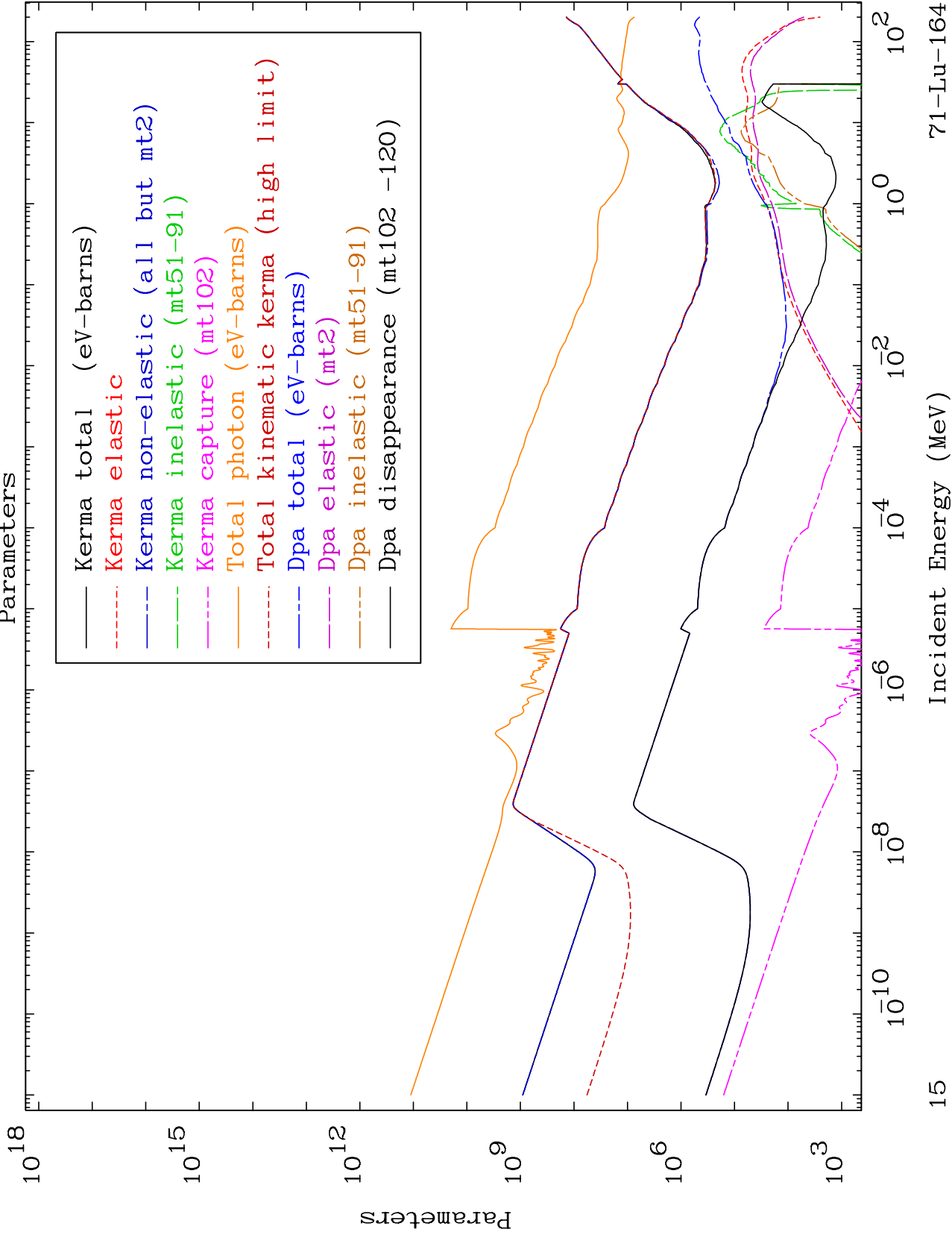
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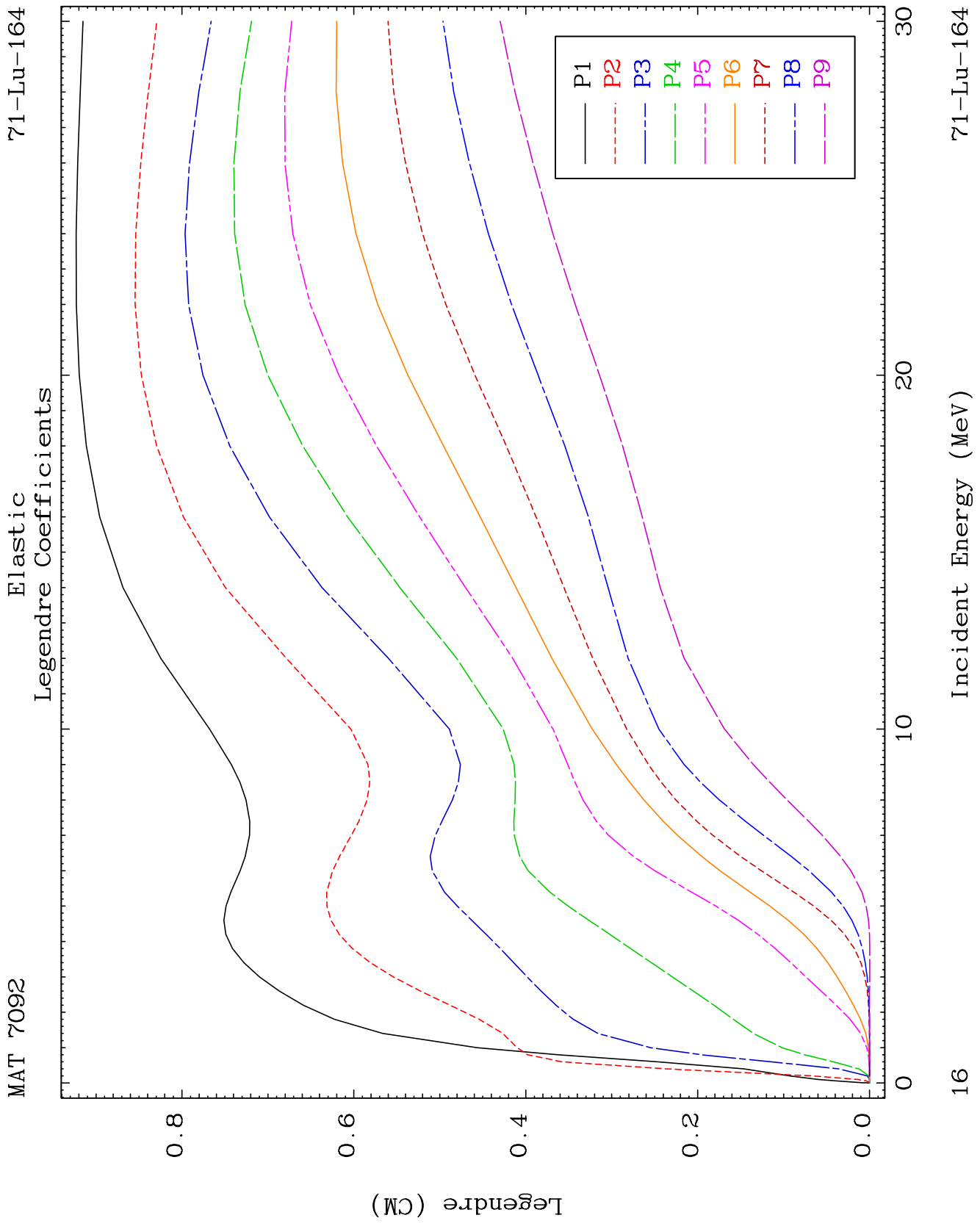


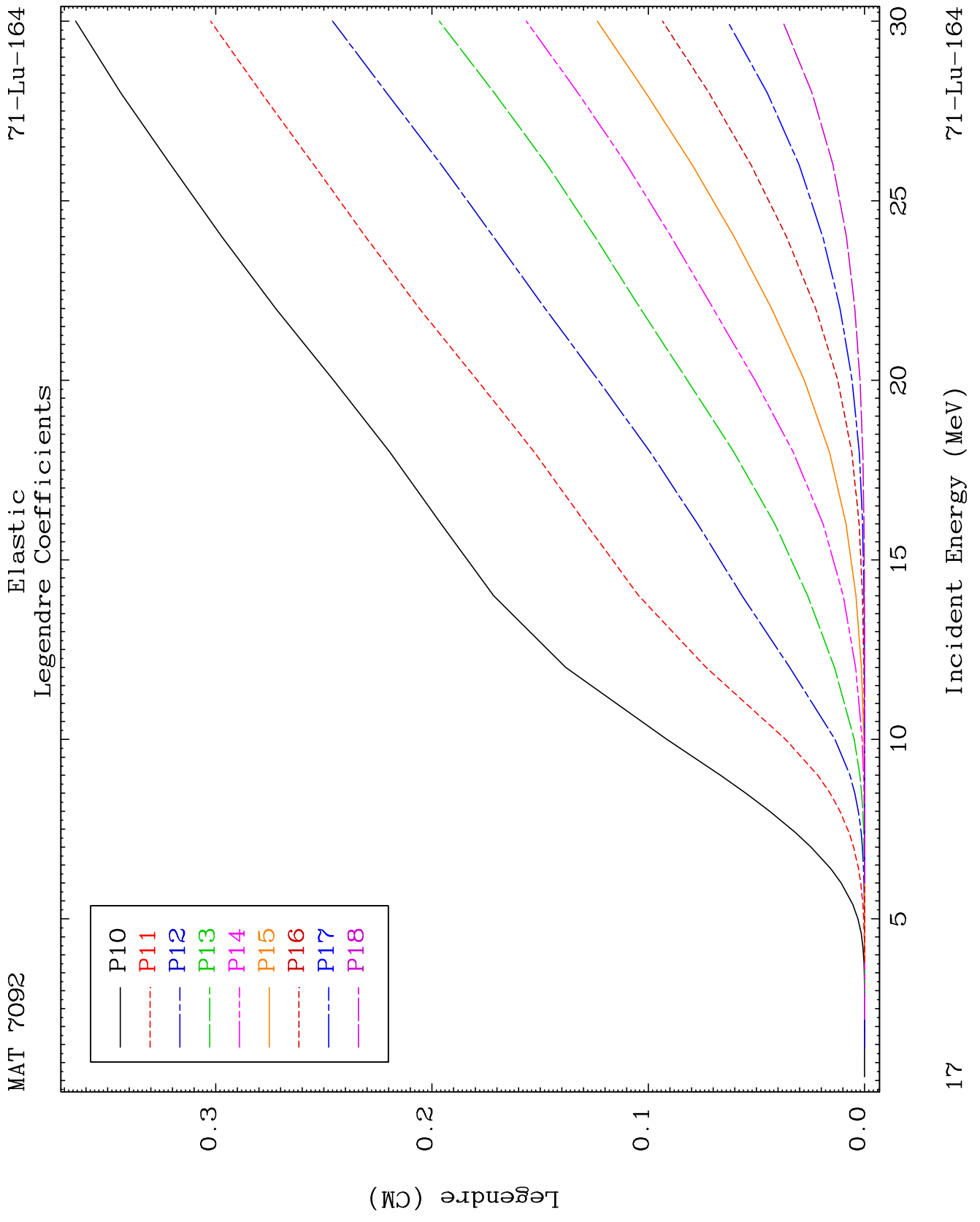
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Incident Energy (MeV)

71-Lu-164



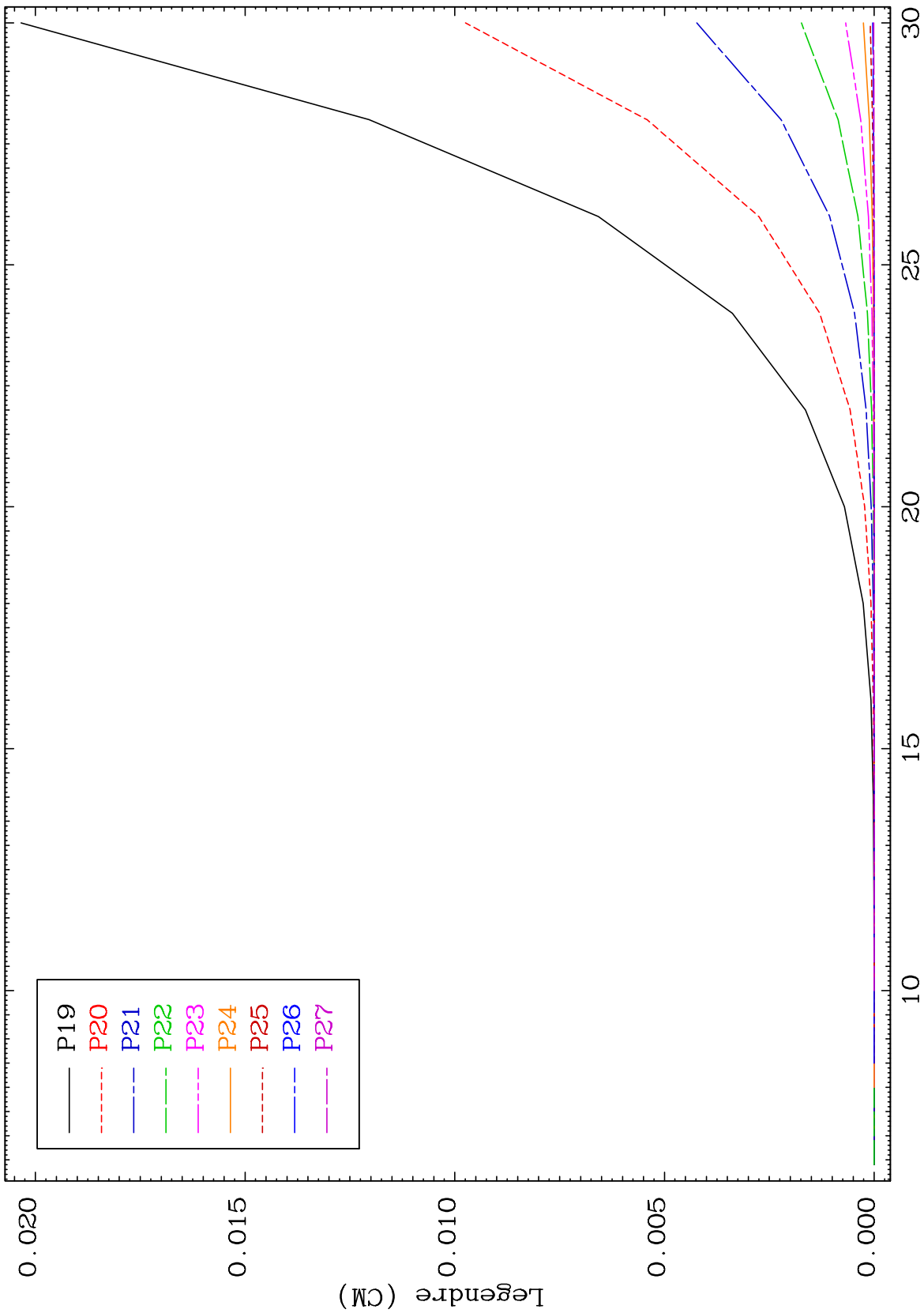




MAT 7092

Elastic Legendre Coefficients

71-Lu-164



18

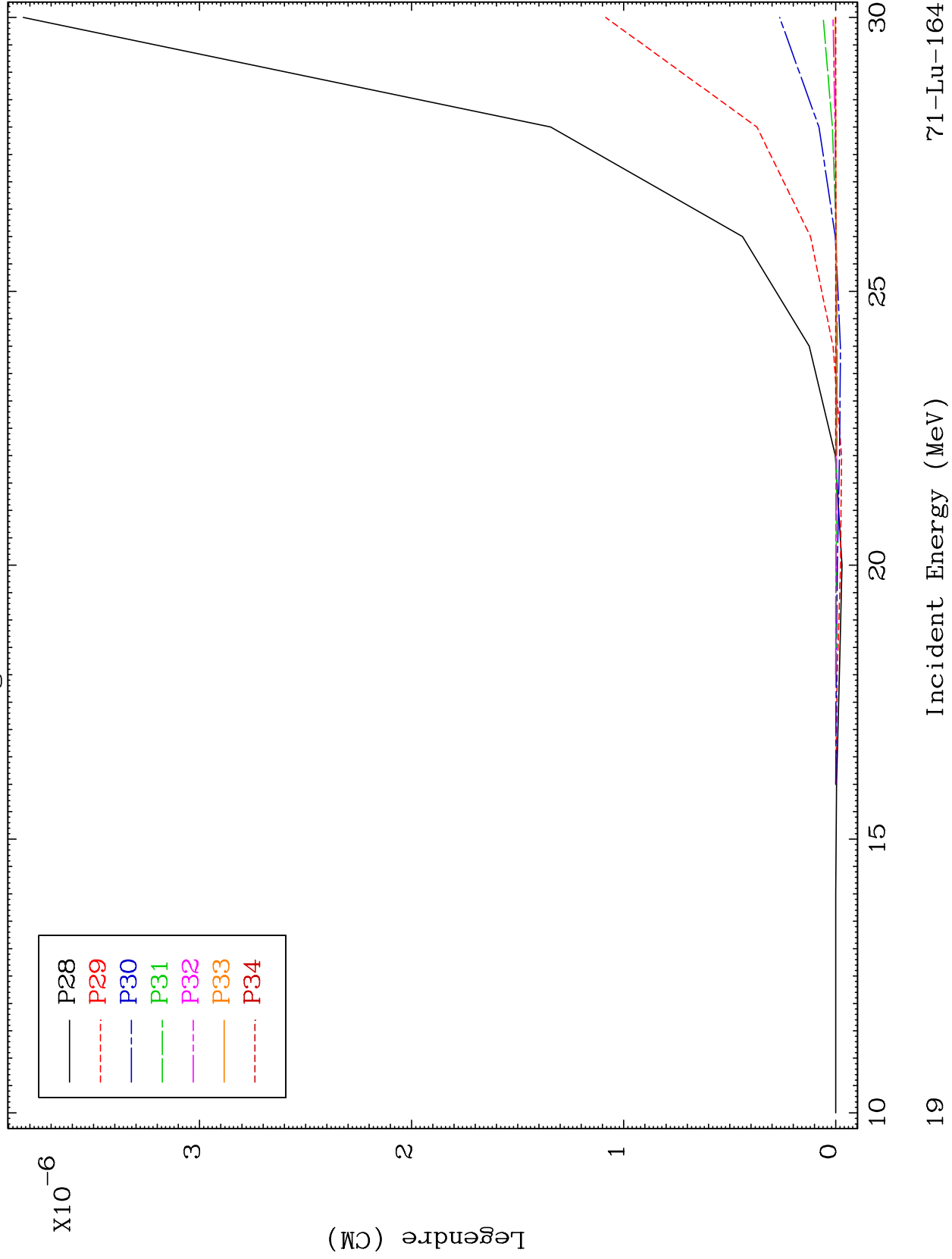
Incident Energy (MeV)

71-Lu-164

MAT 7092

Elastic Legendre Coefficients

71-Lu-164



19

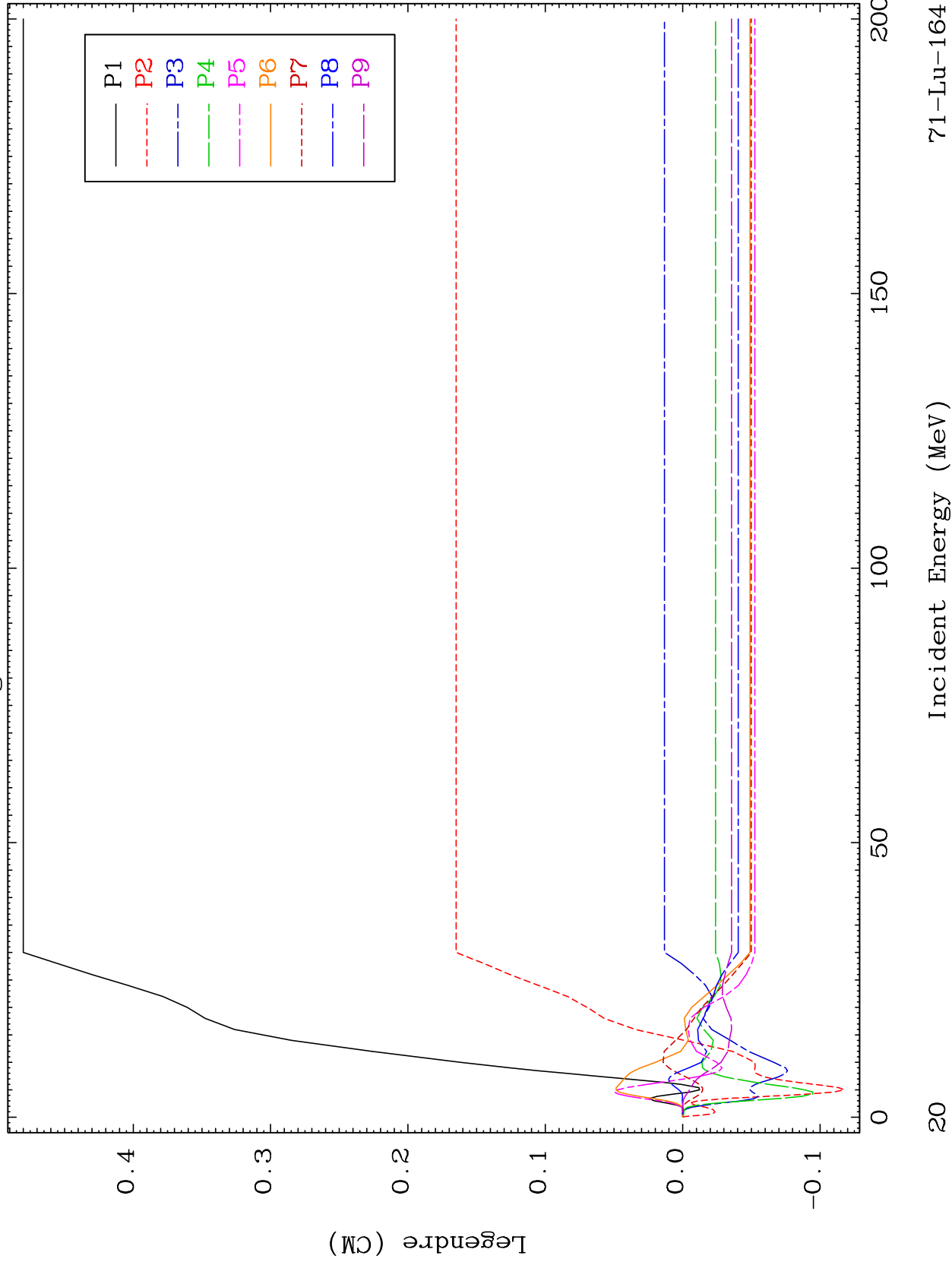
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

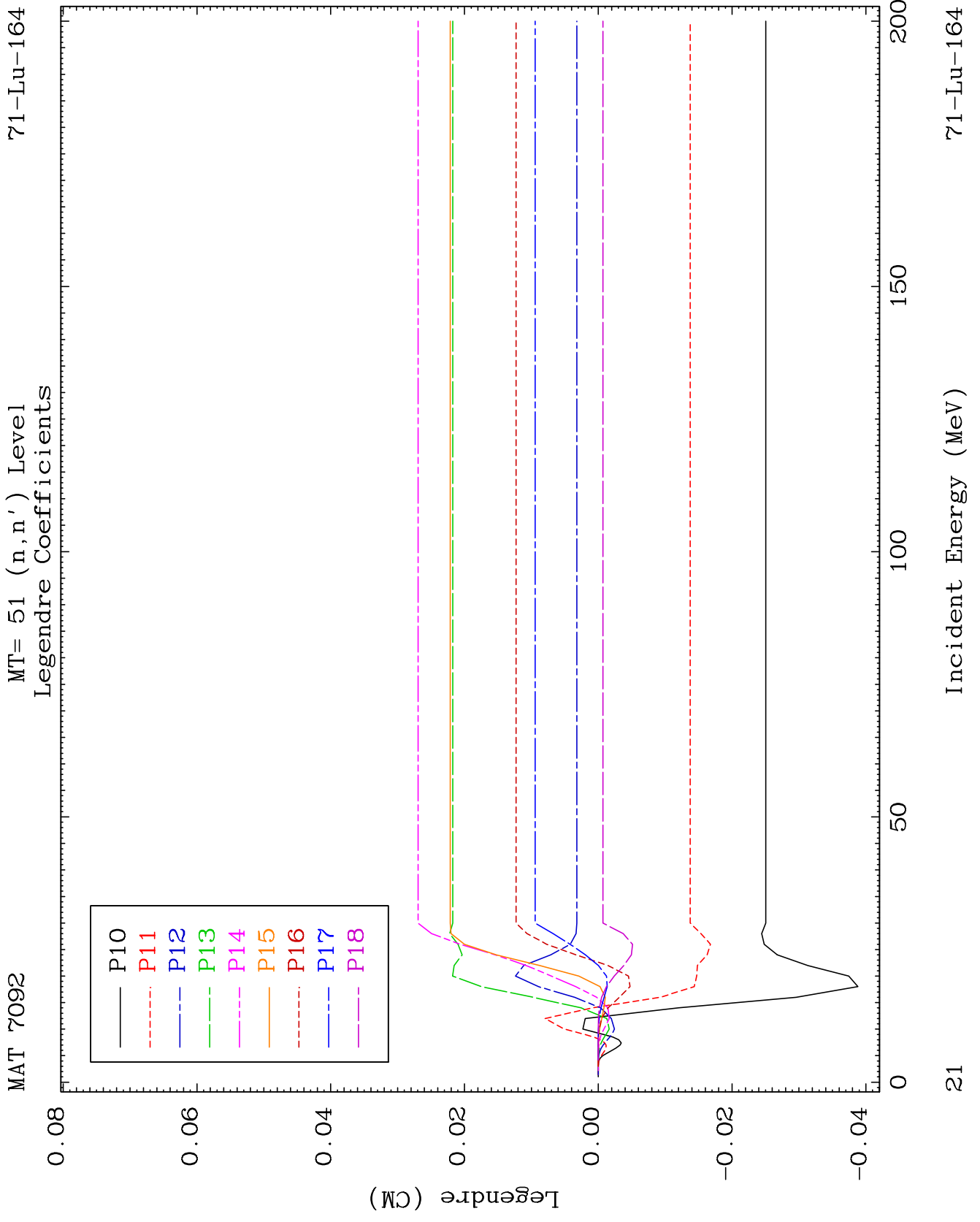
71-Lu-164



71-Lu-164

Incident Energy (MeV)

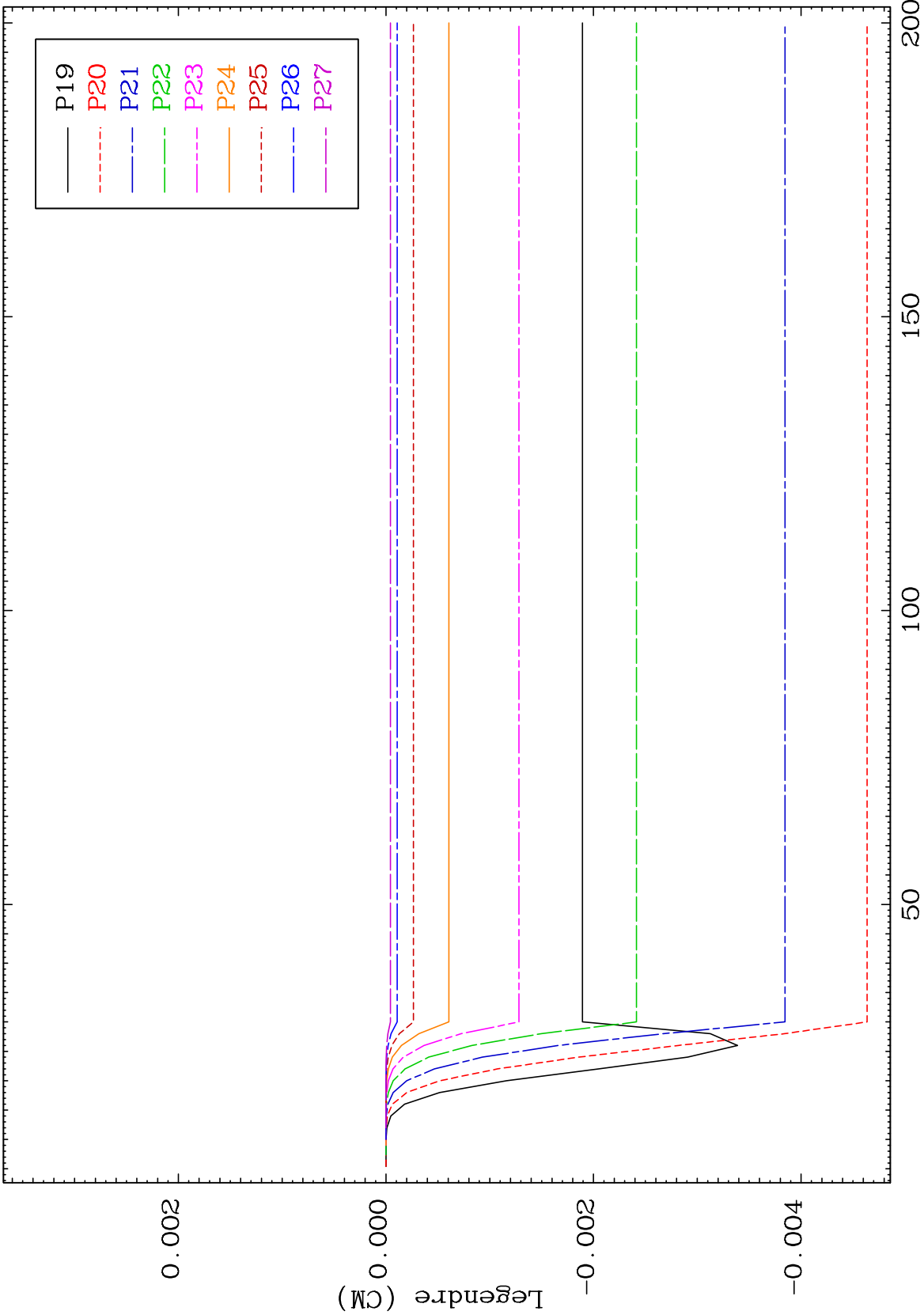
20



MAT 7092

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

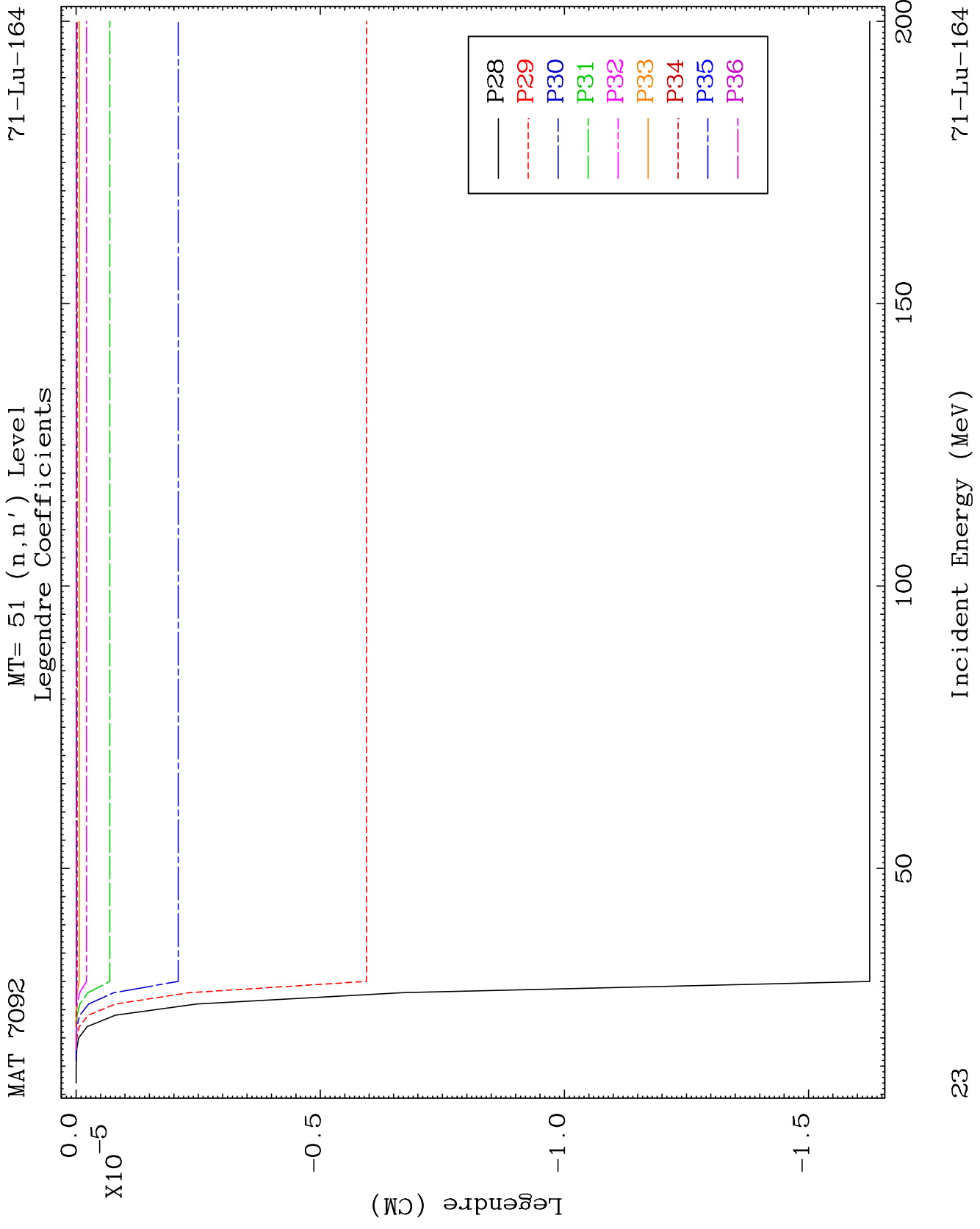
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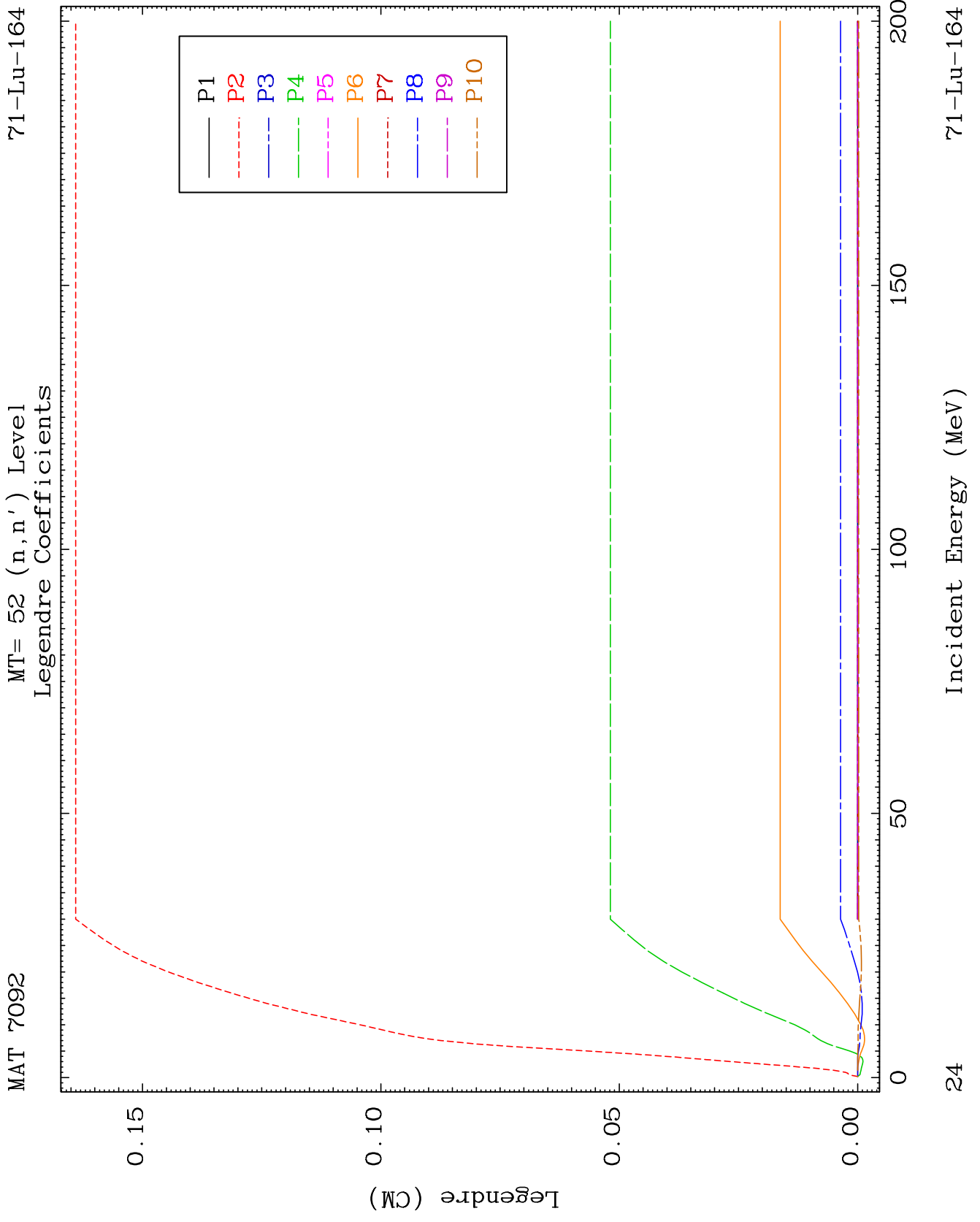


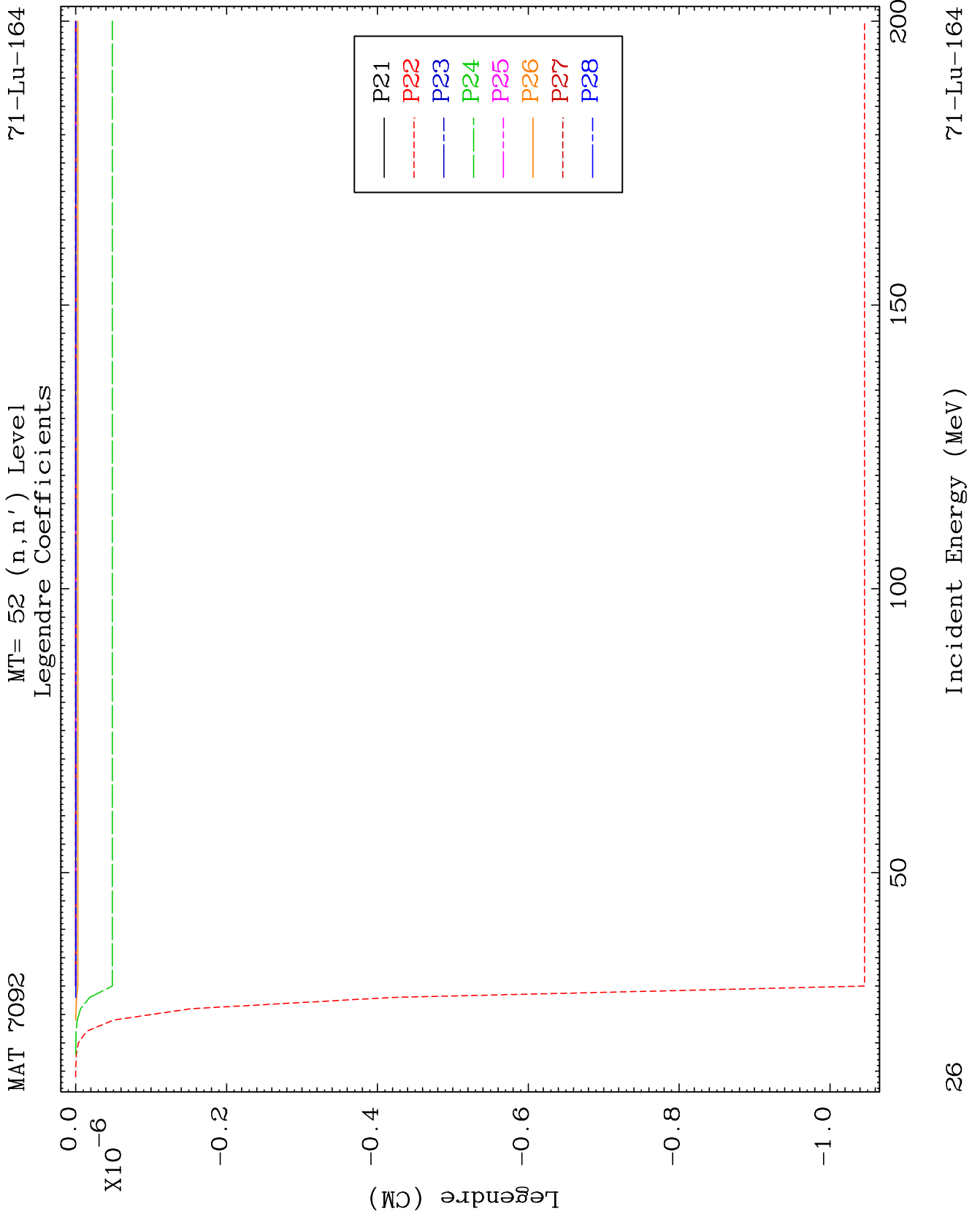
22

Incident Energy (MeV)

71-Lu-164



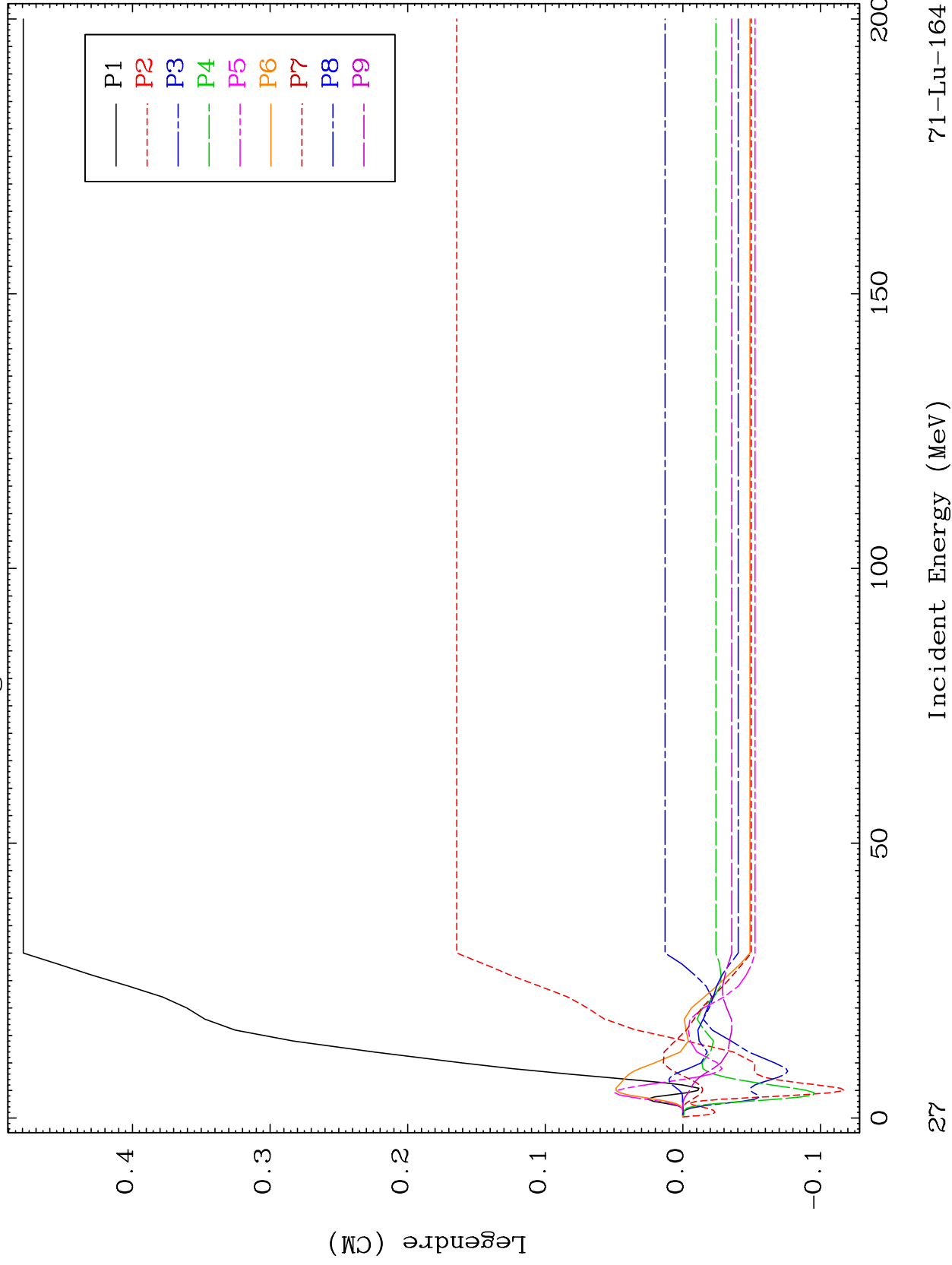




MAT 7092

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

71-Lu-164



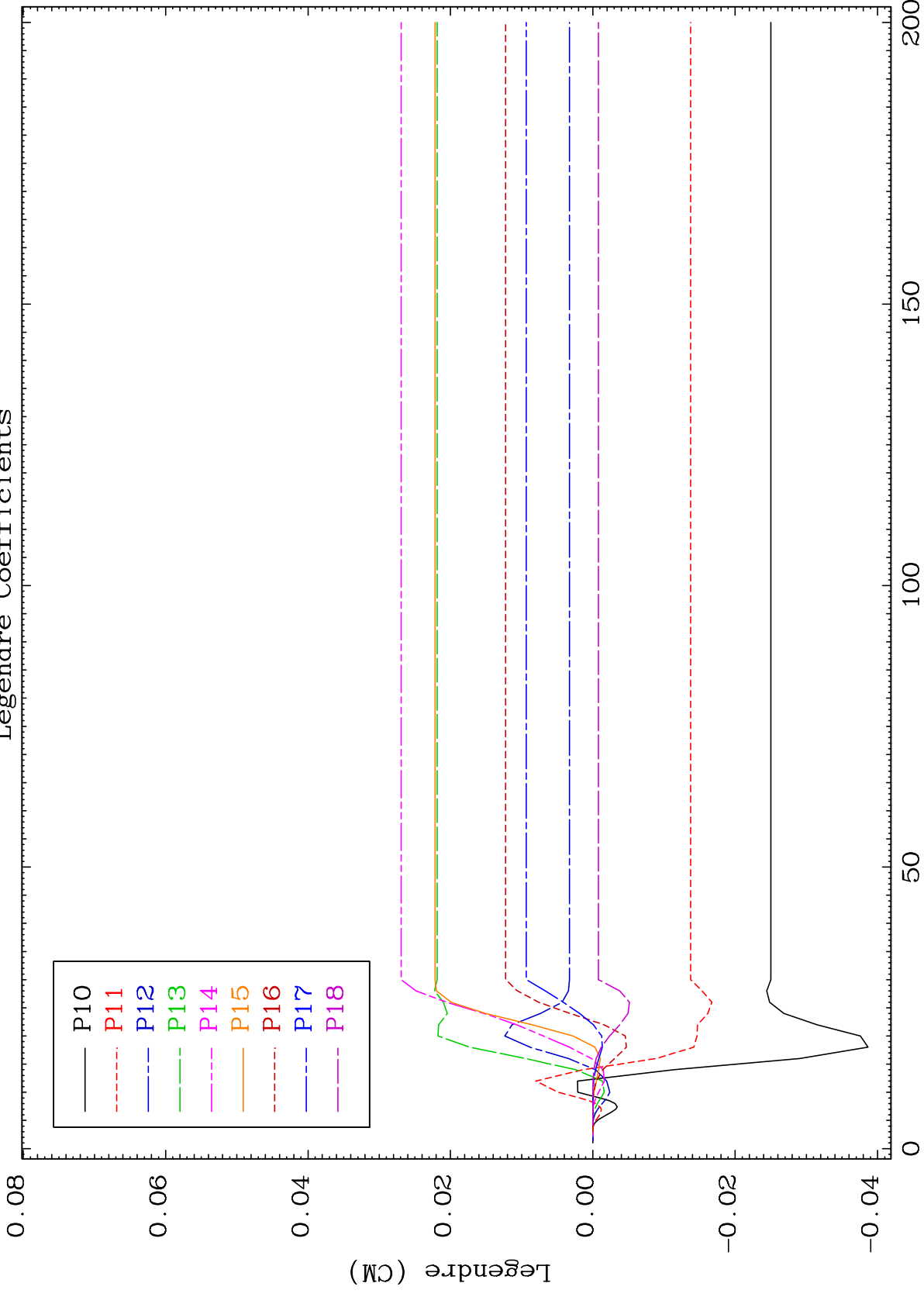
27

71-Lu-164

MAT 7092

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

71-Lu-164



28

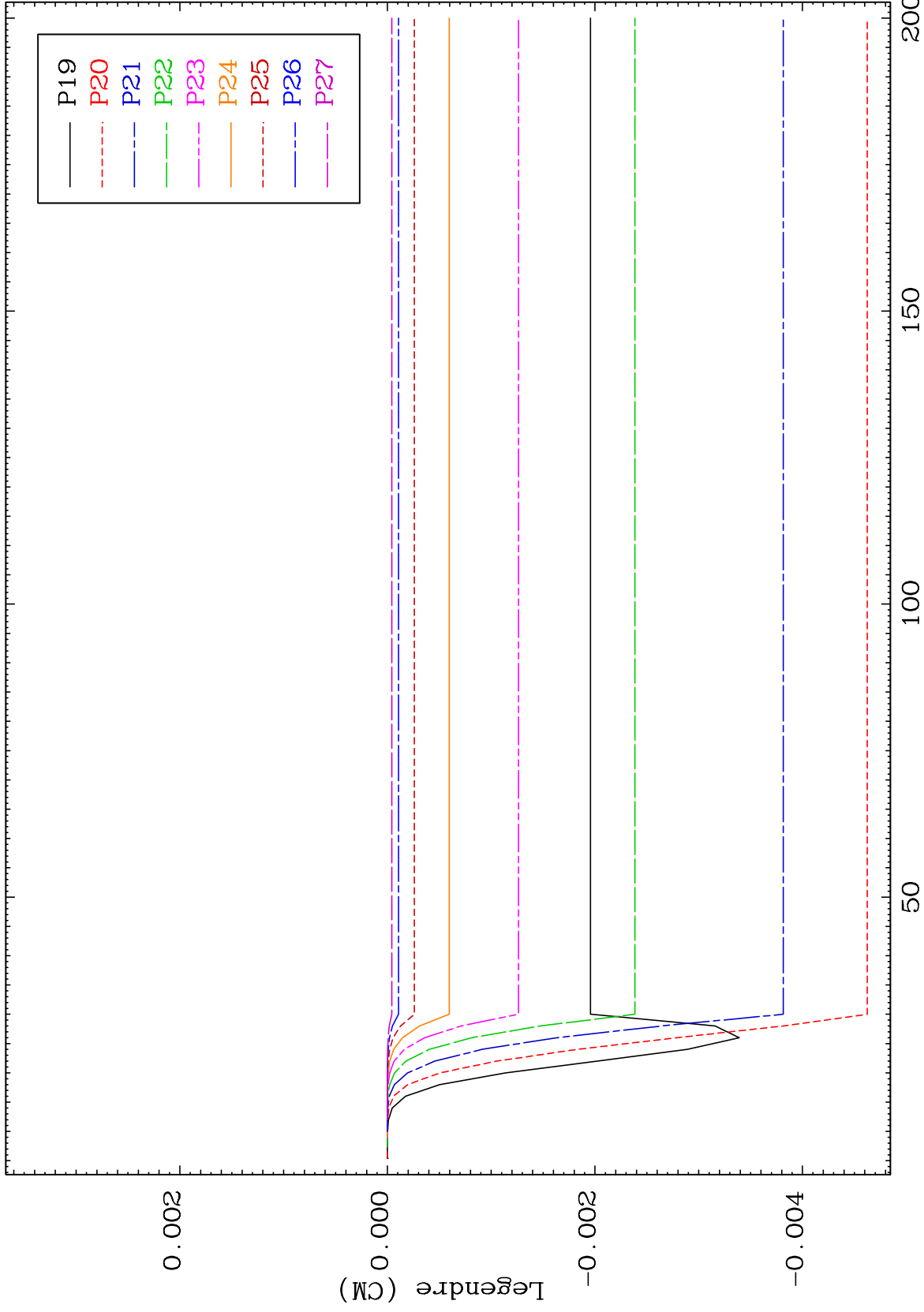
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

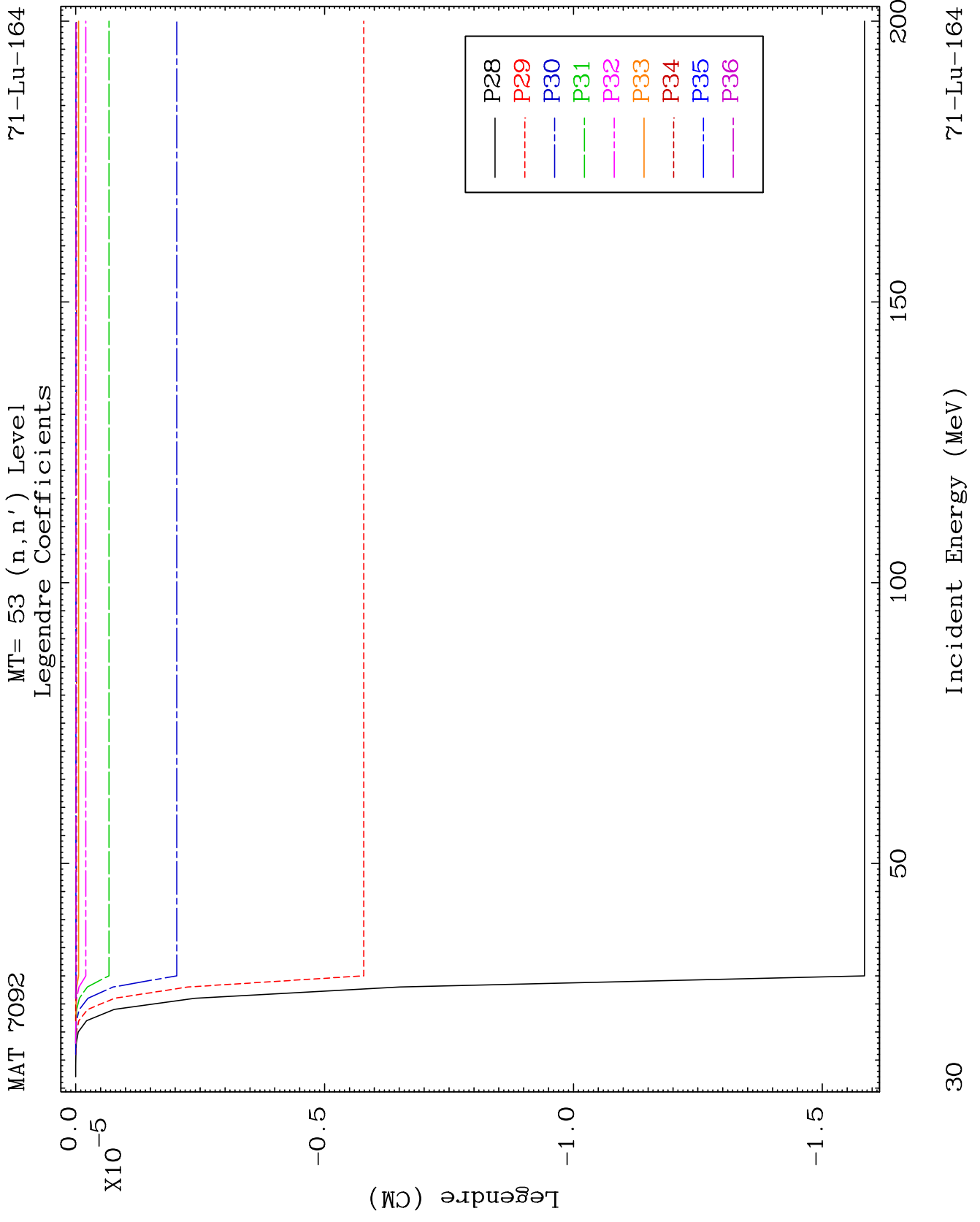
71-Lu-164



29

Incident Energy (MeV)

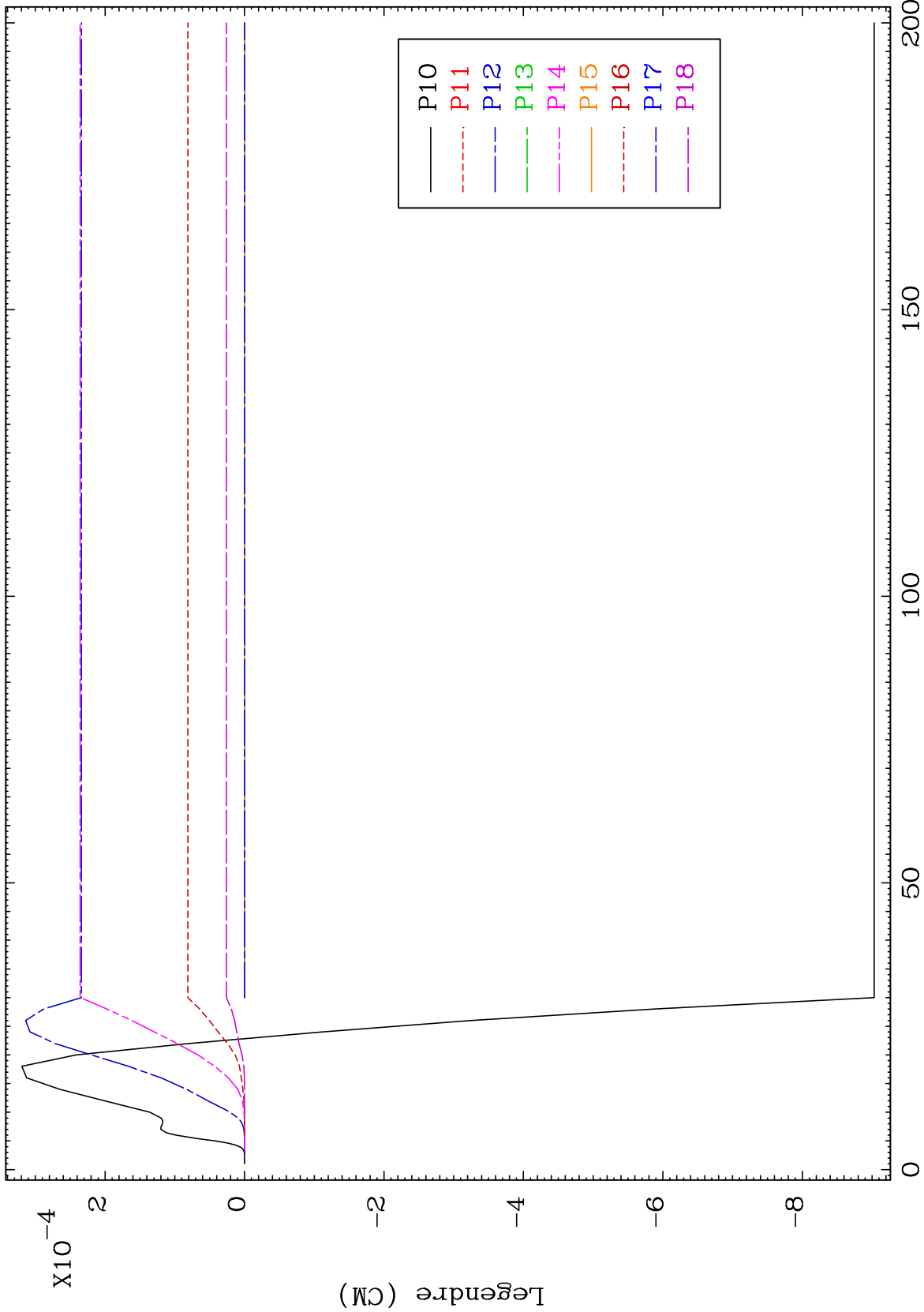
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MAT 7092

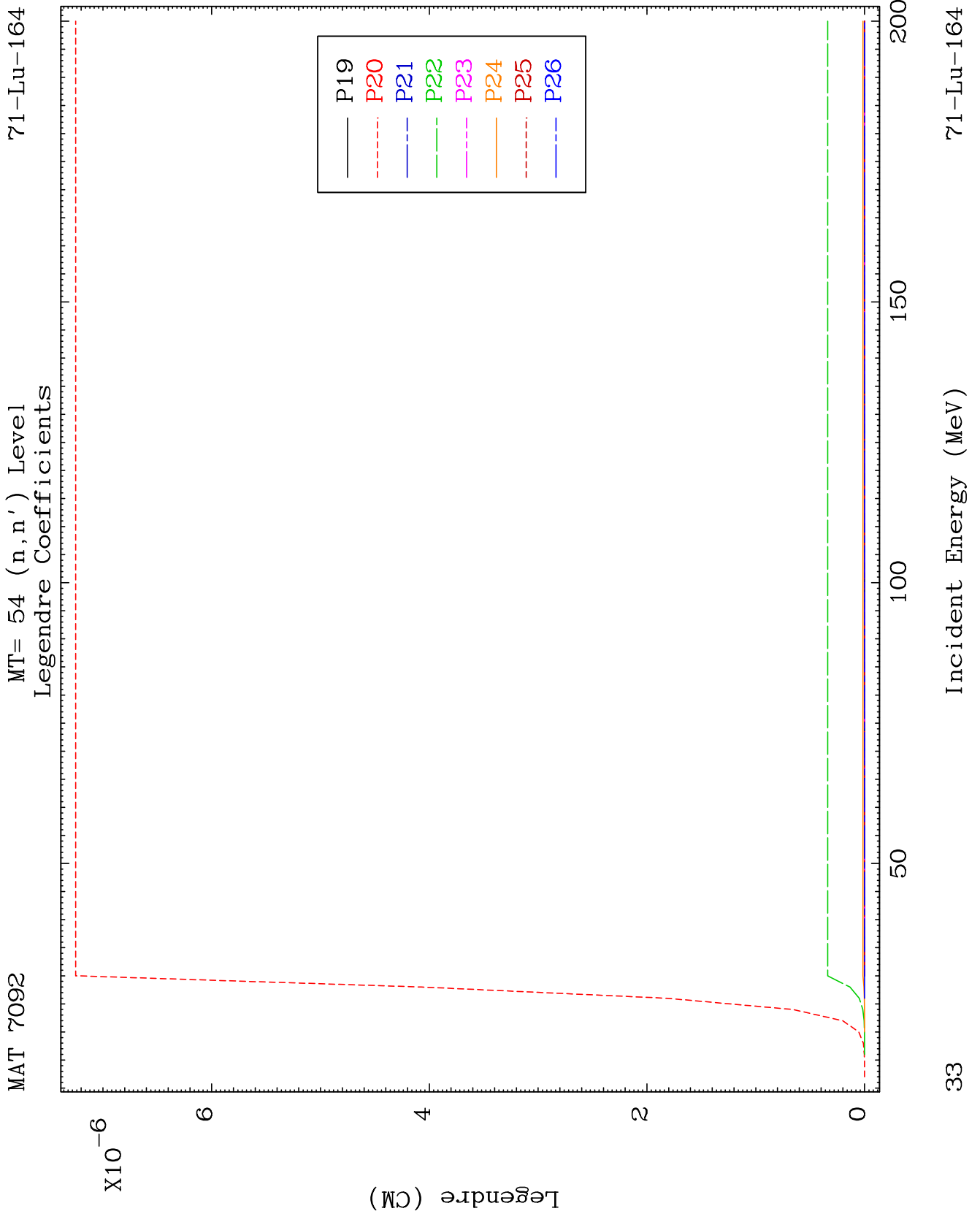
MT= 54 (n,n') Level
Legendre Coefficients

71-Lu-164



32

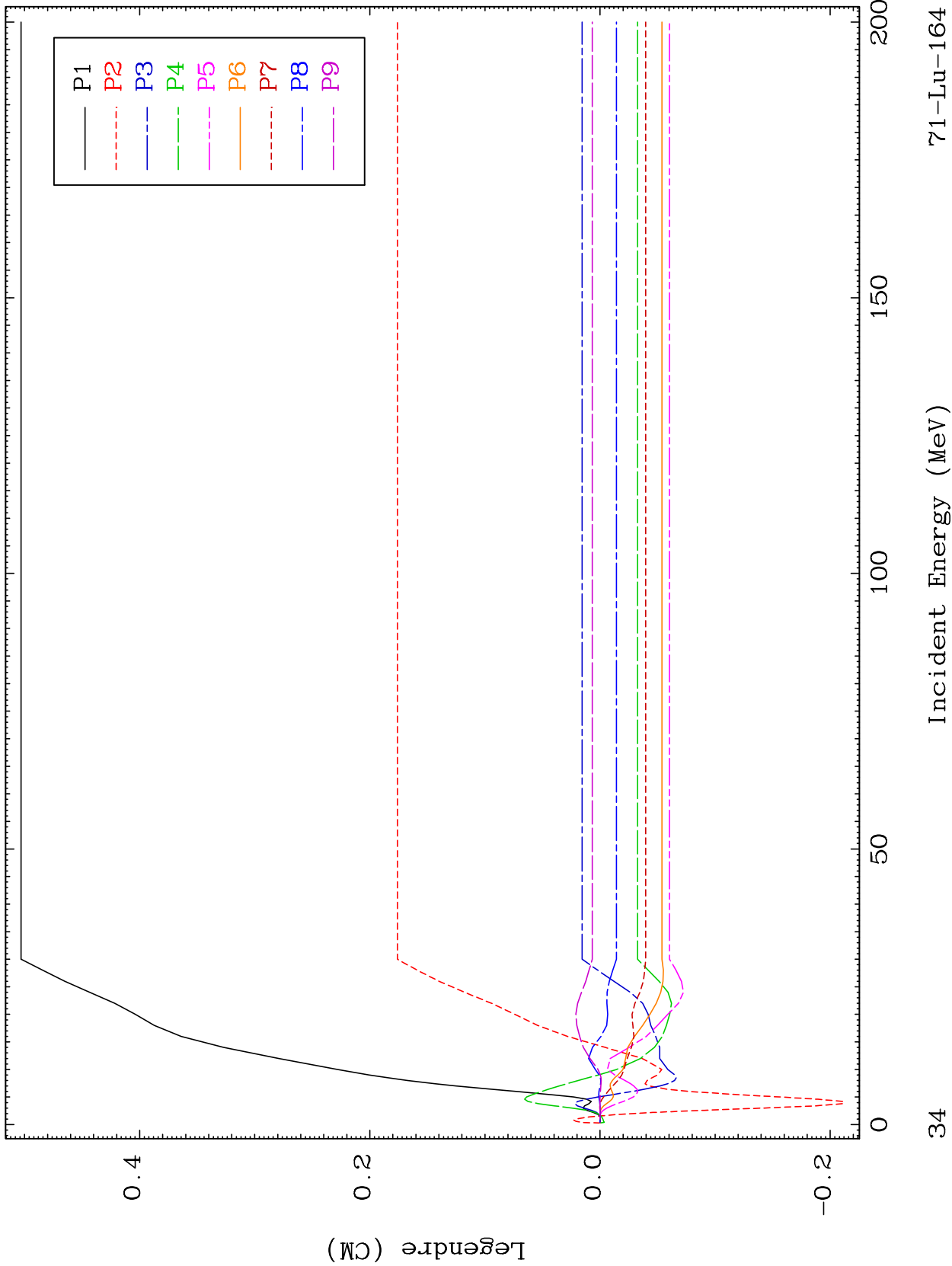
71-Lu-164



MAT 7092

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

71-Lu-164



34

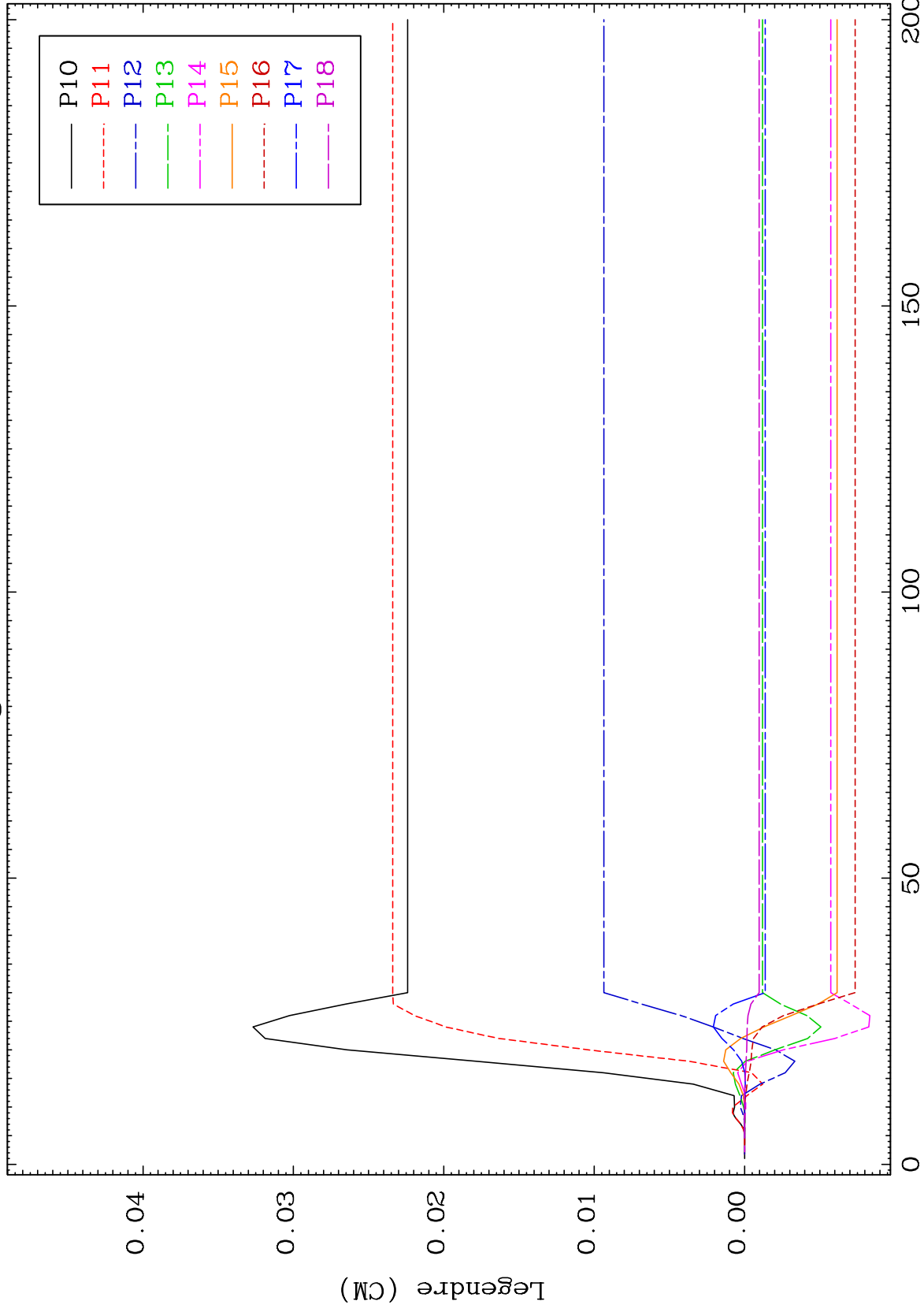
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

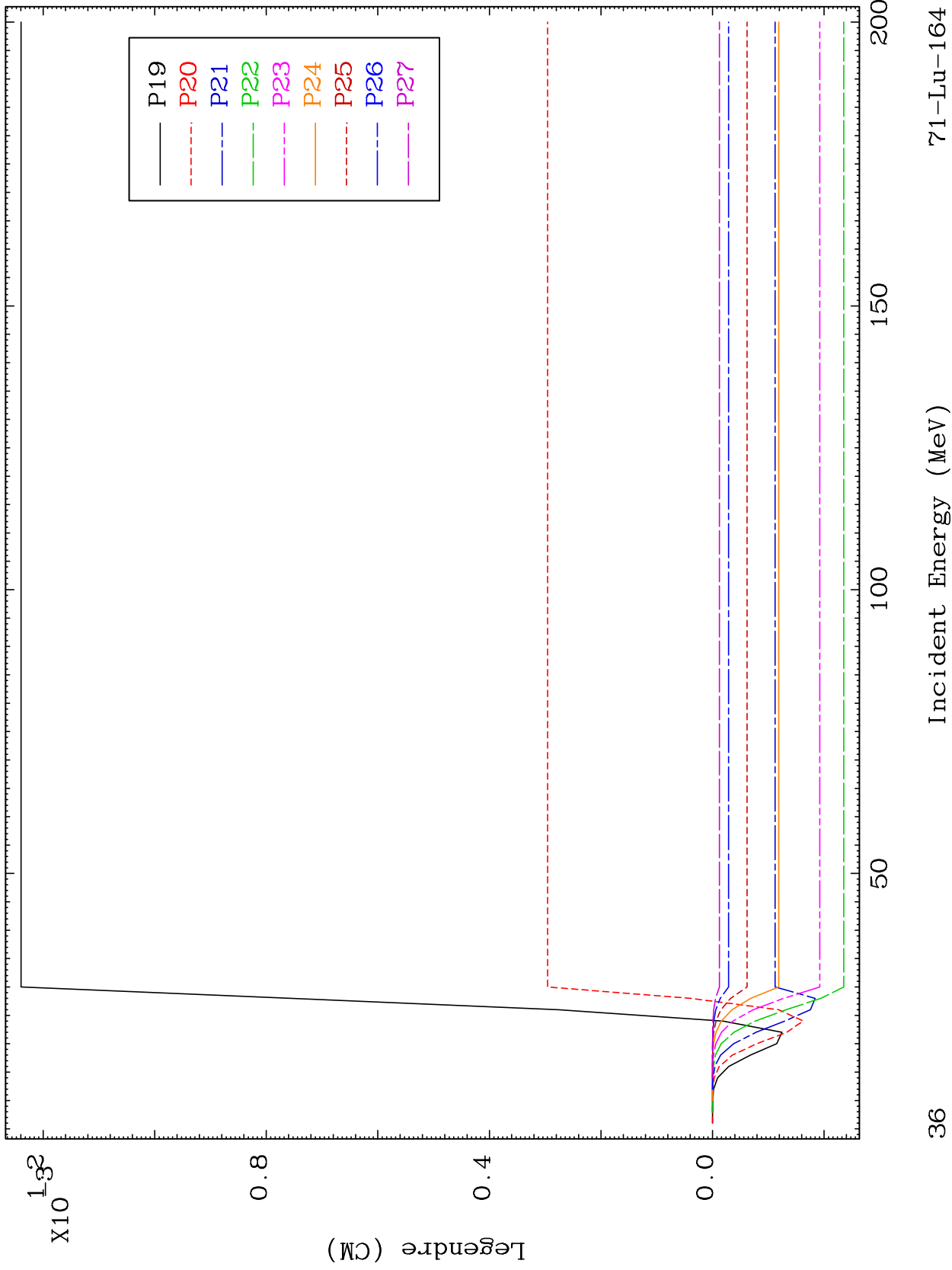
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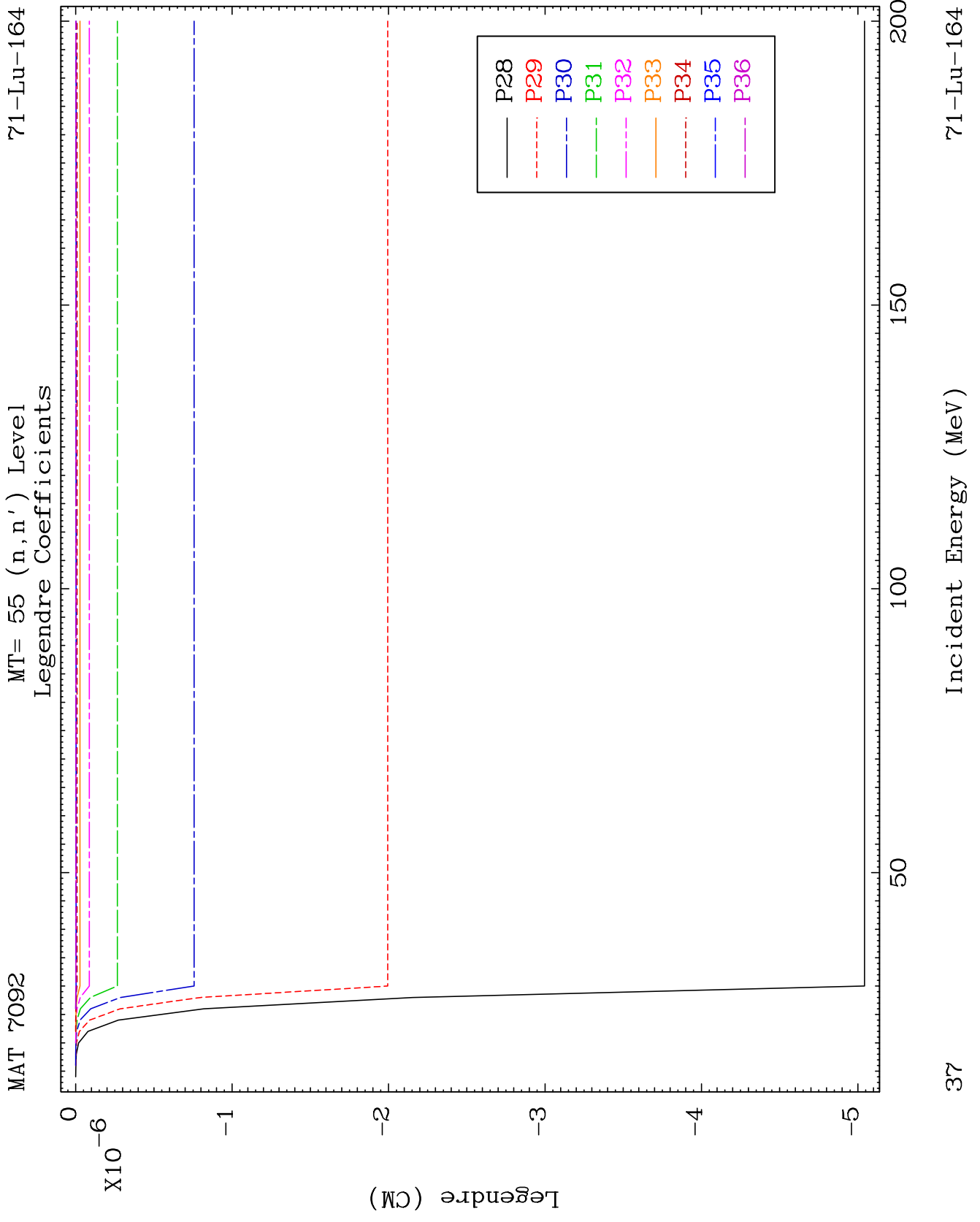


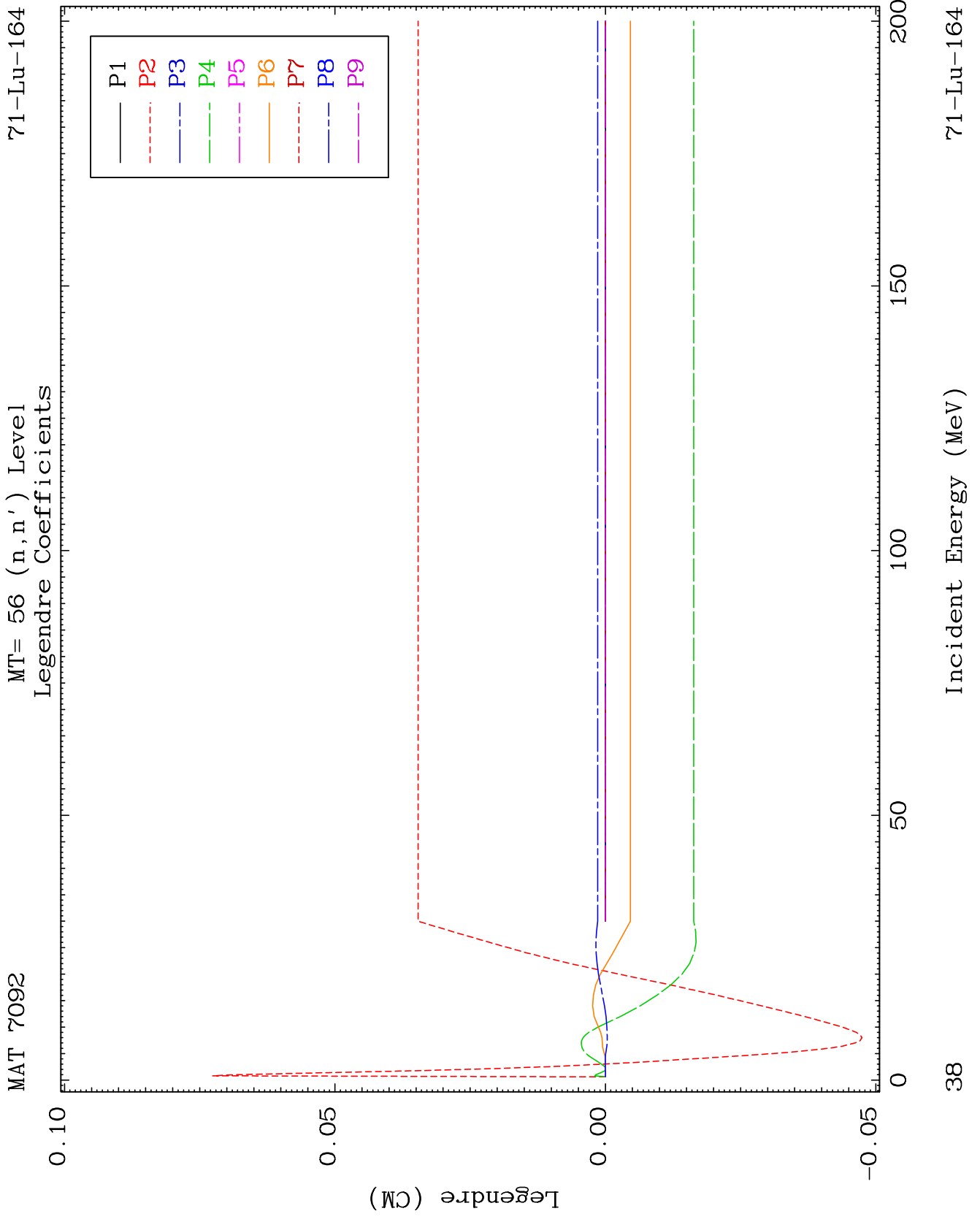
35

Incident Energy (MeV)

71-Lu-164



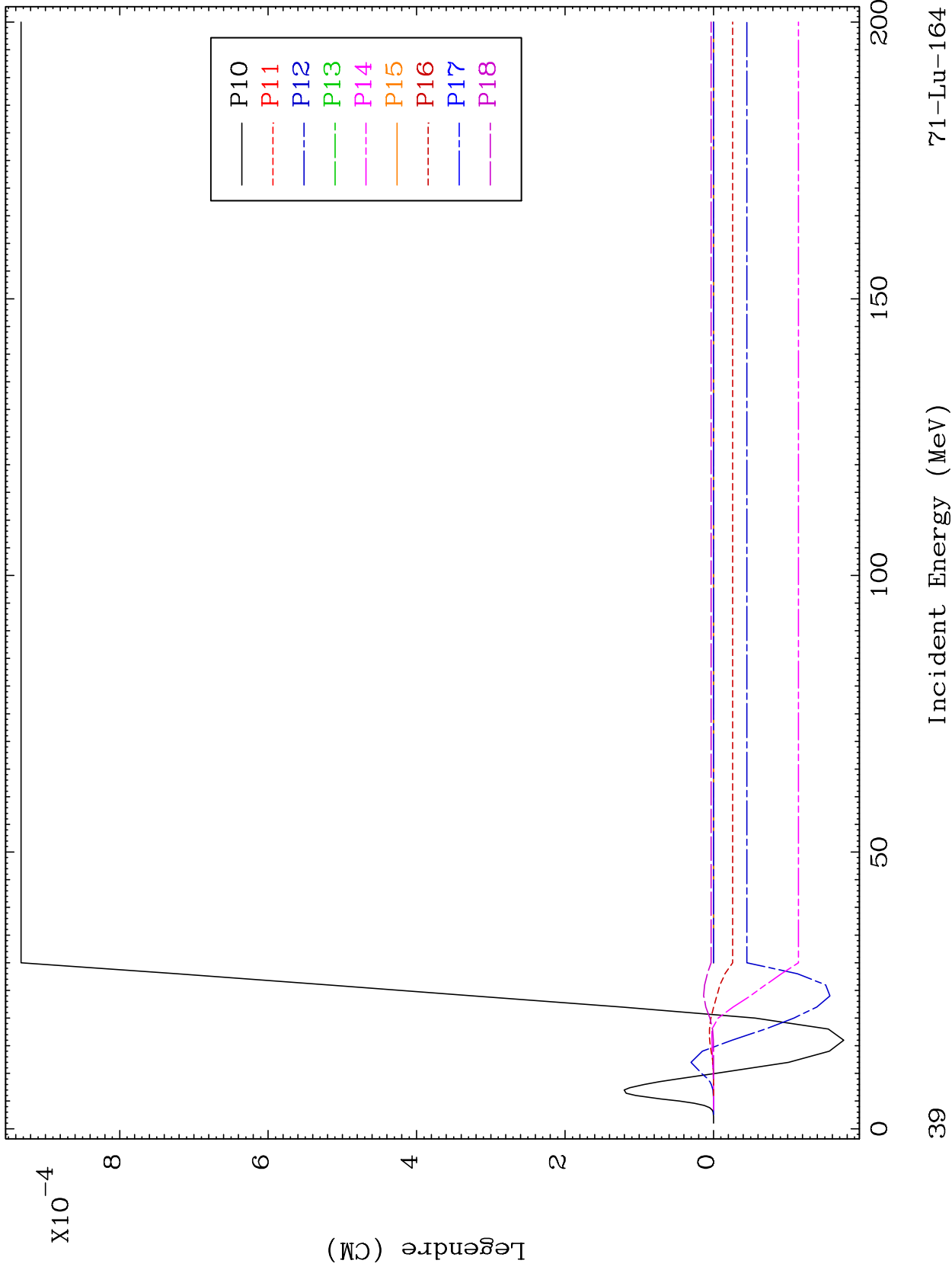


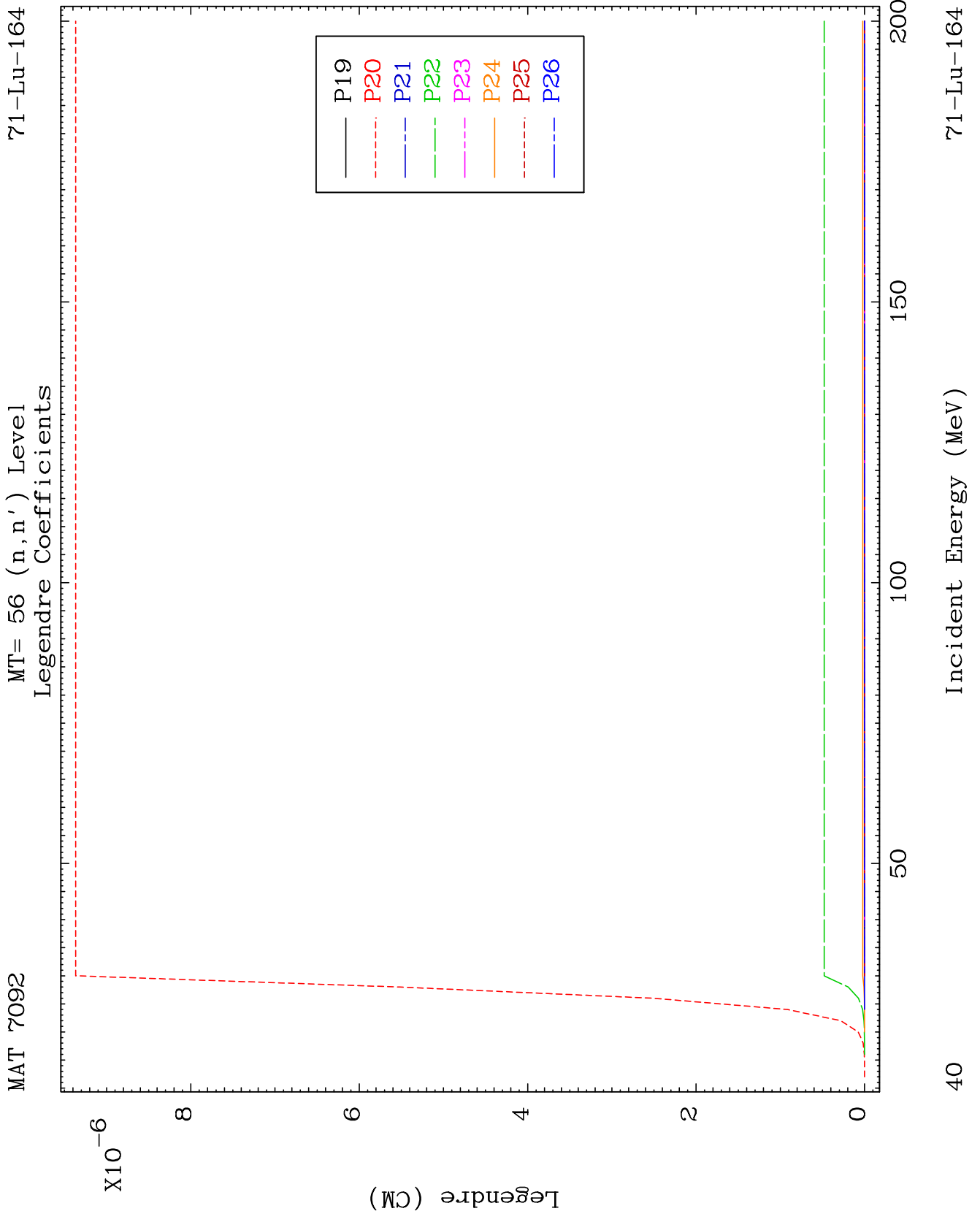


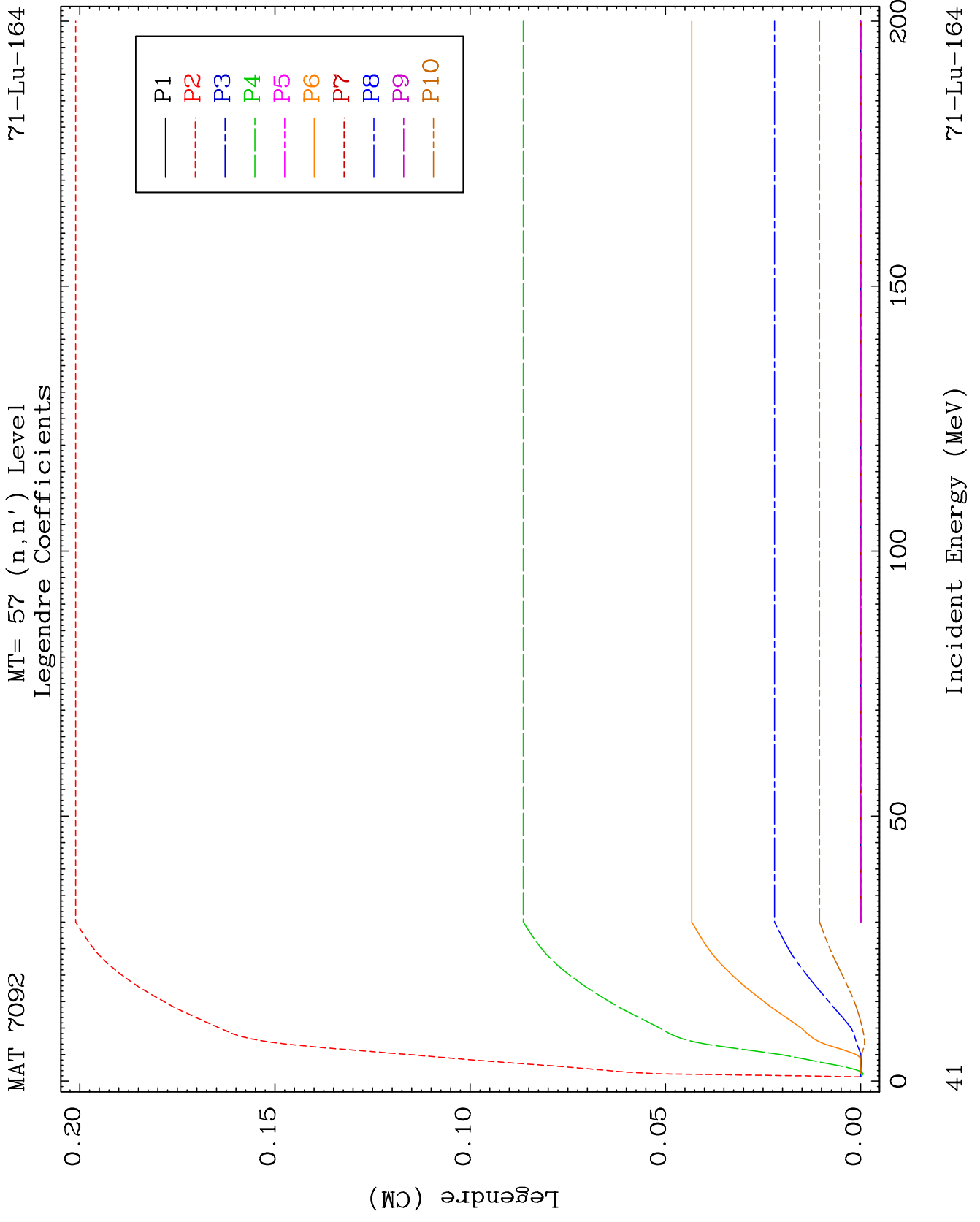
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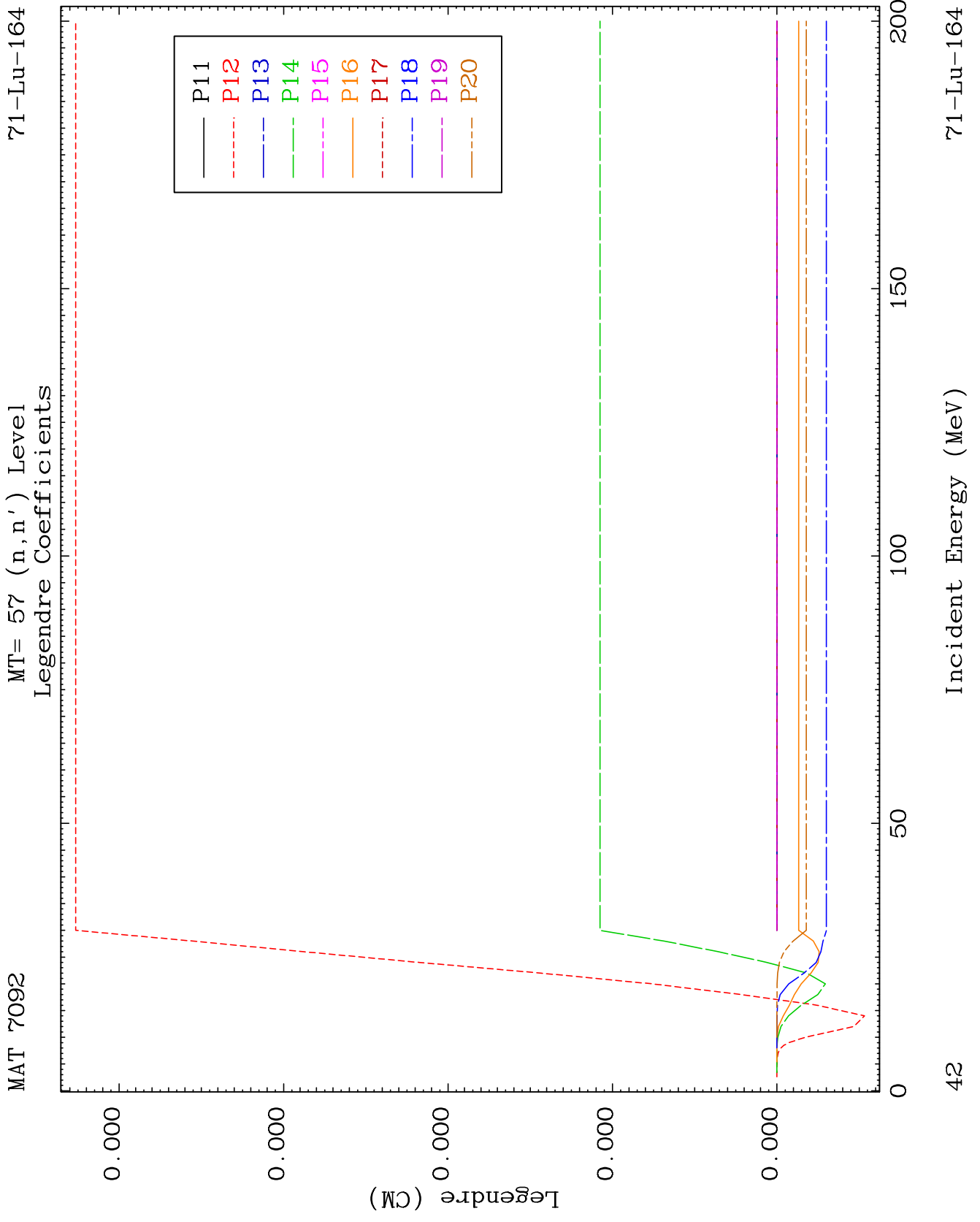
MT= 56 (n,n') Level
Legendre Coefficients

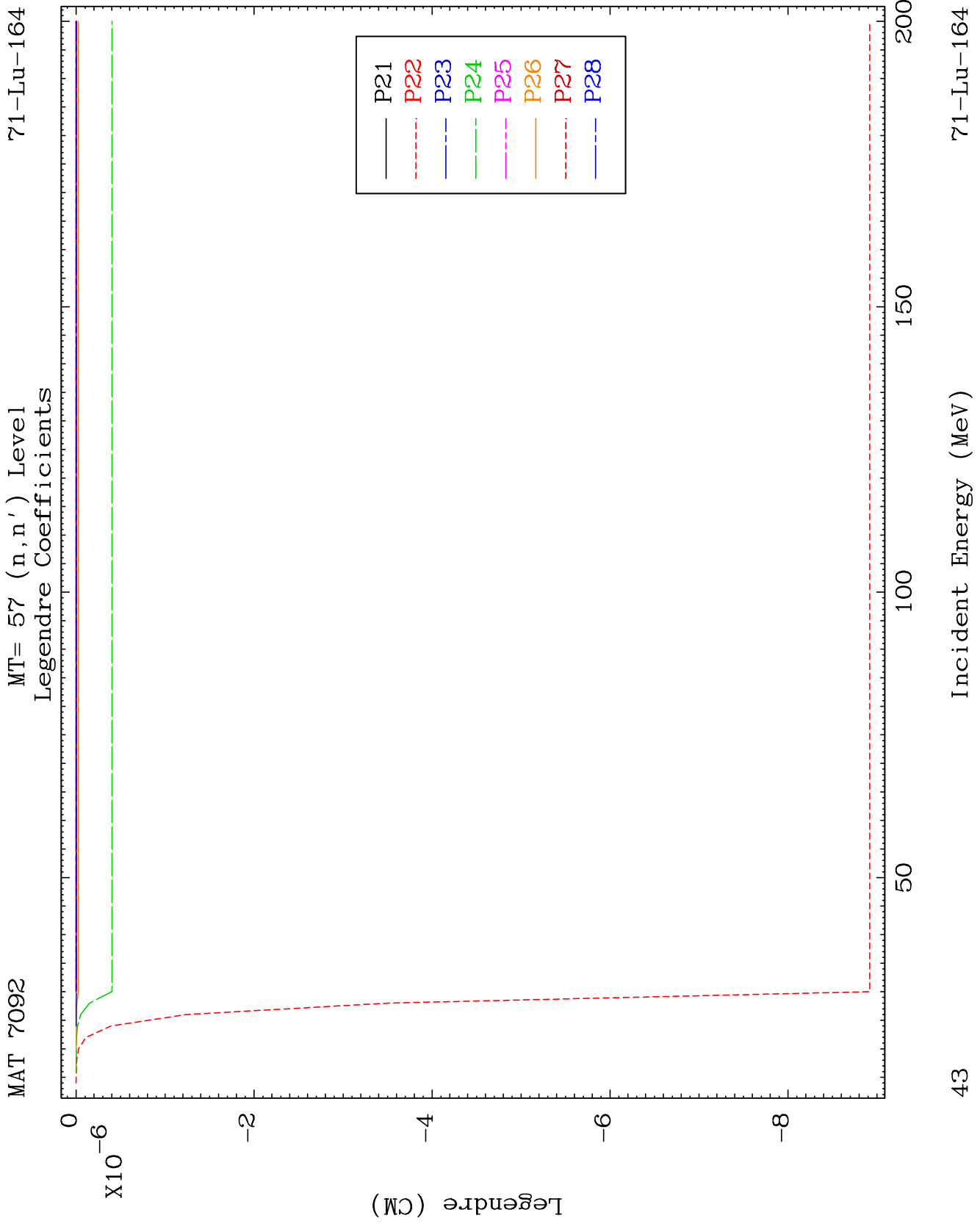
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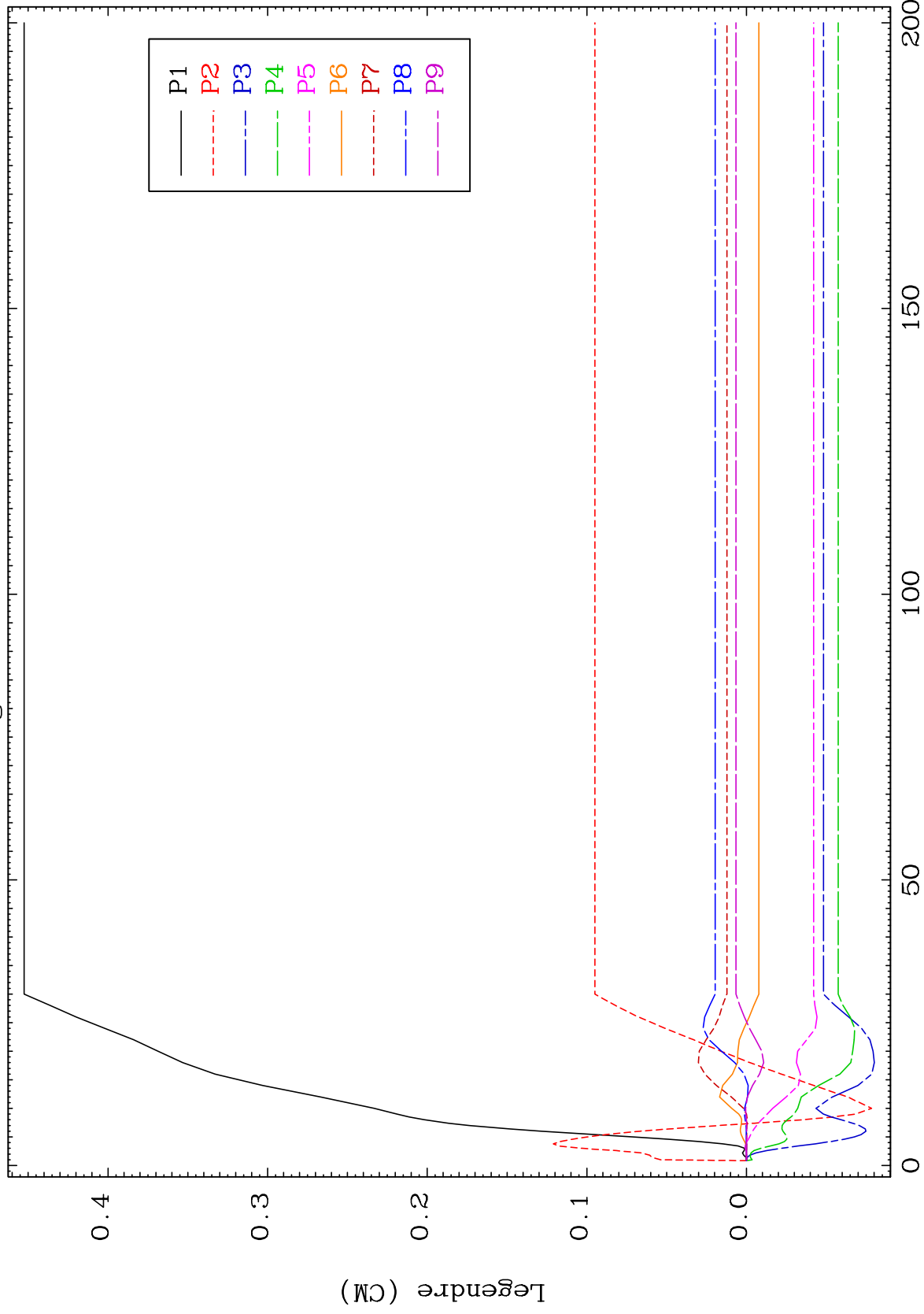




MAT 7092

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

71-Lu-164



44

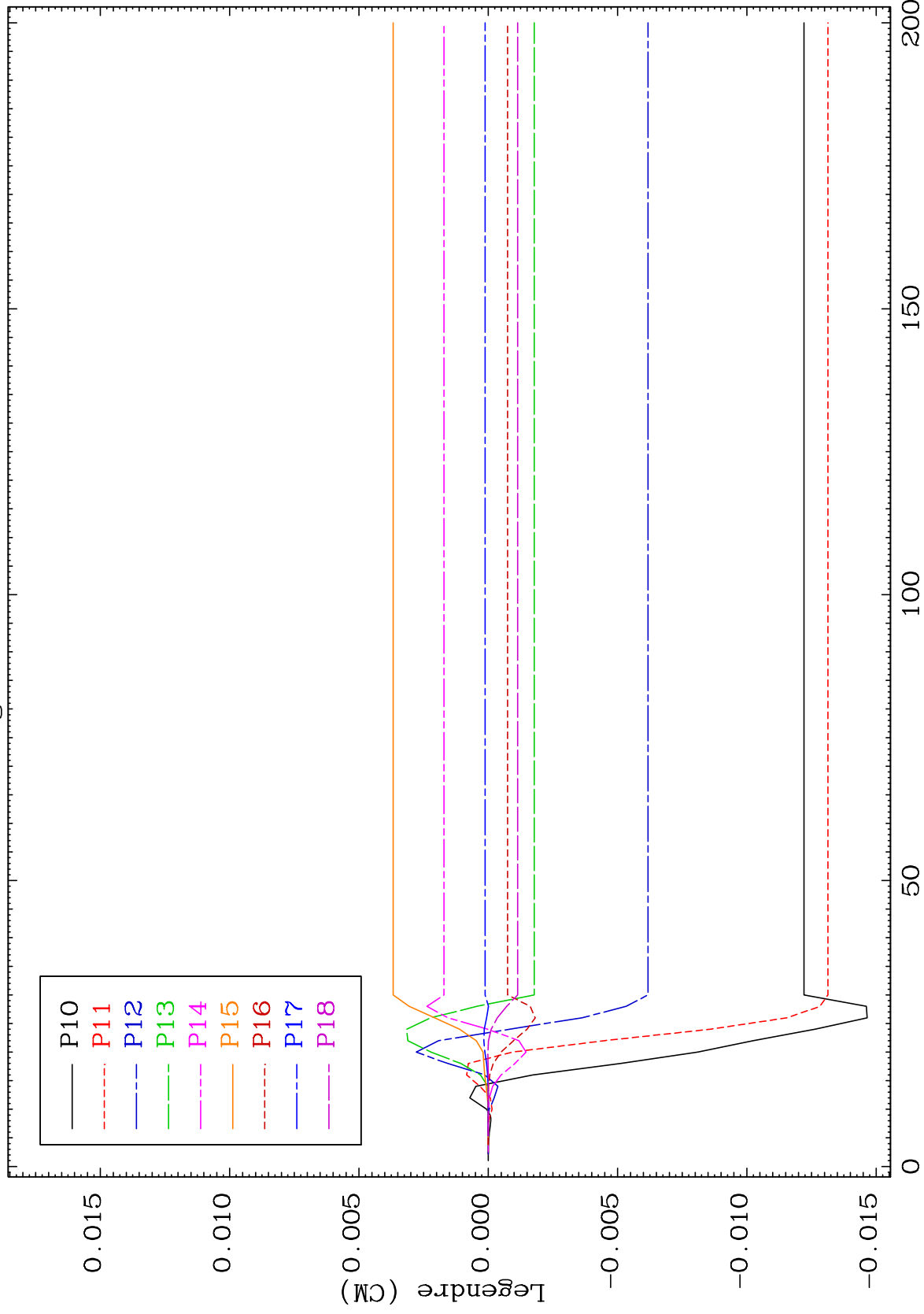
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

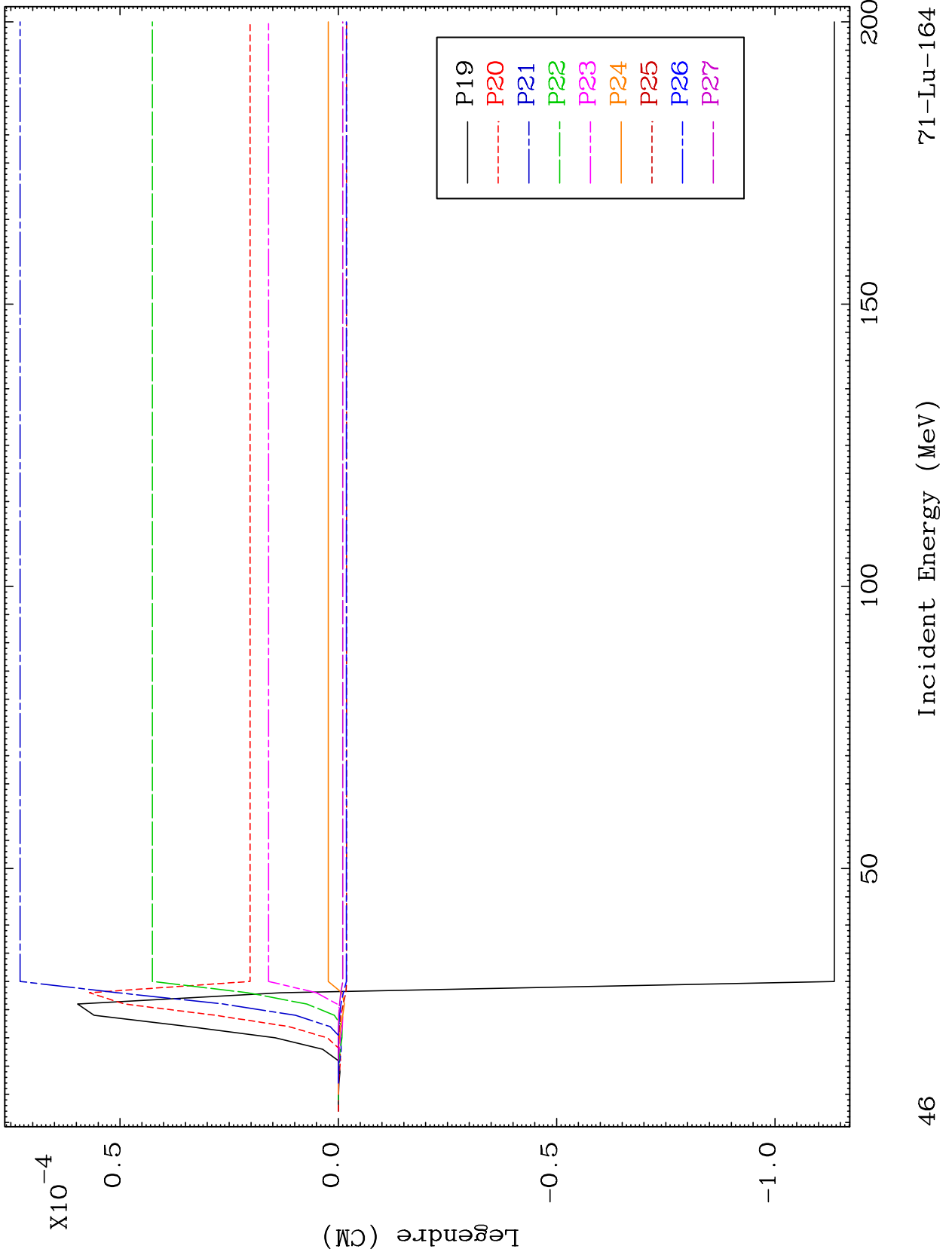
71-Lu-164



45

Incident Energy (MeV)

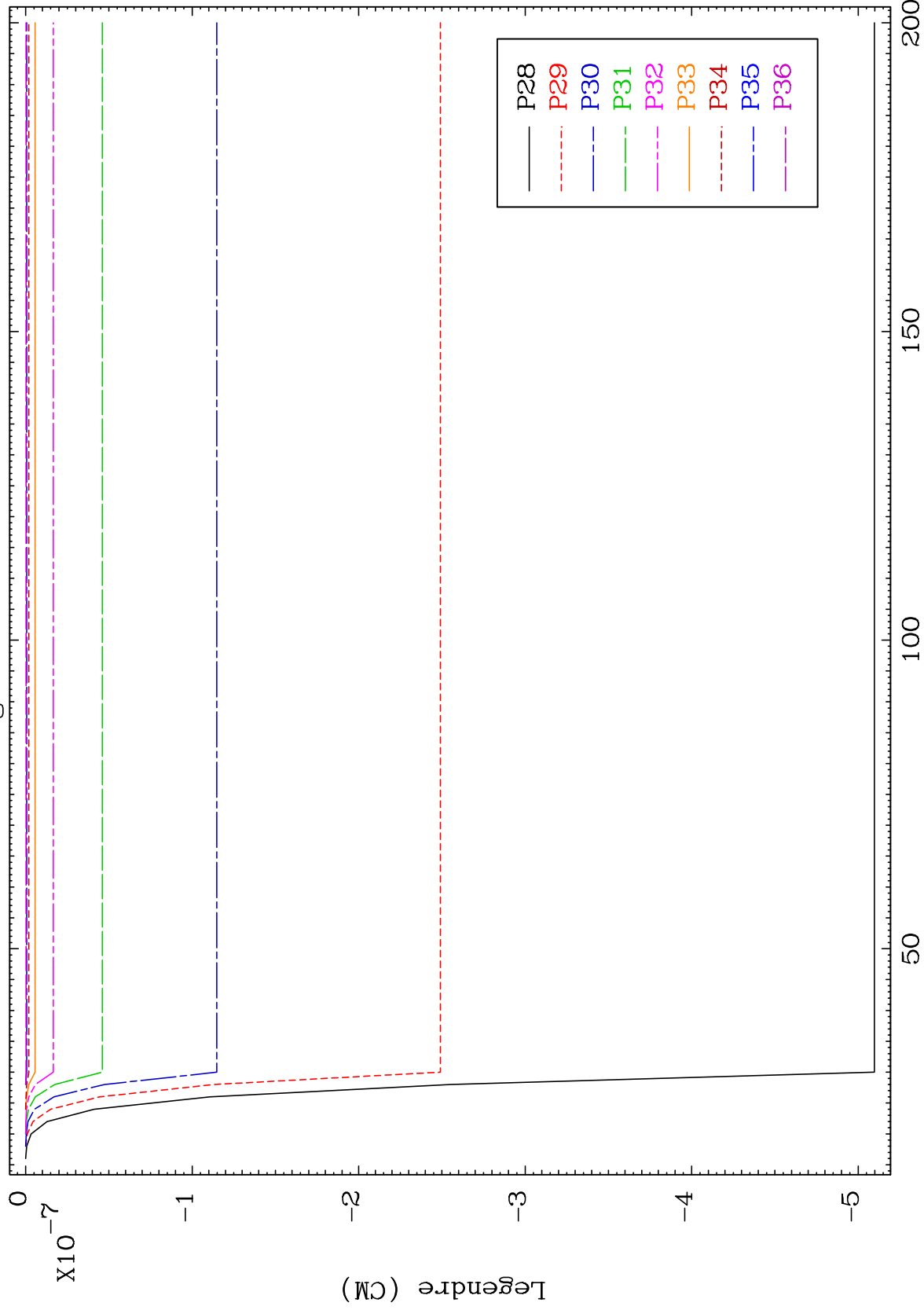
71-Lu-164



MAT 7092

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

71-Lu-164



47

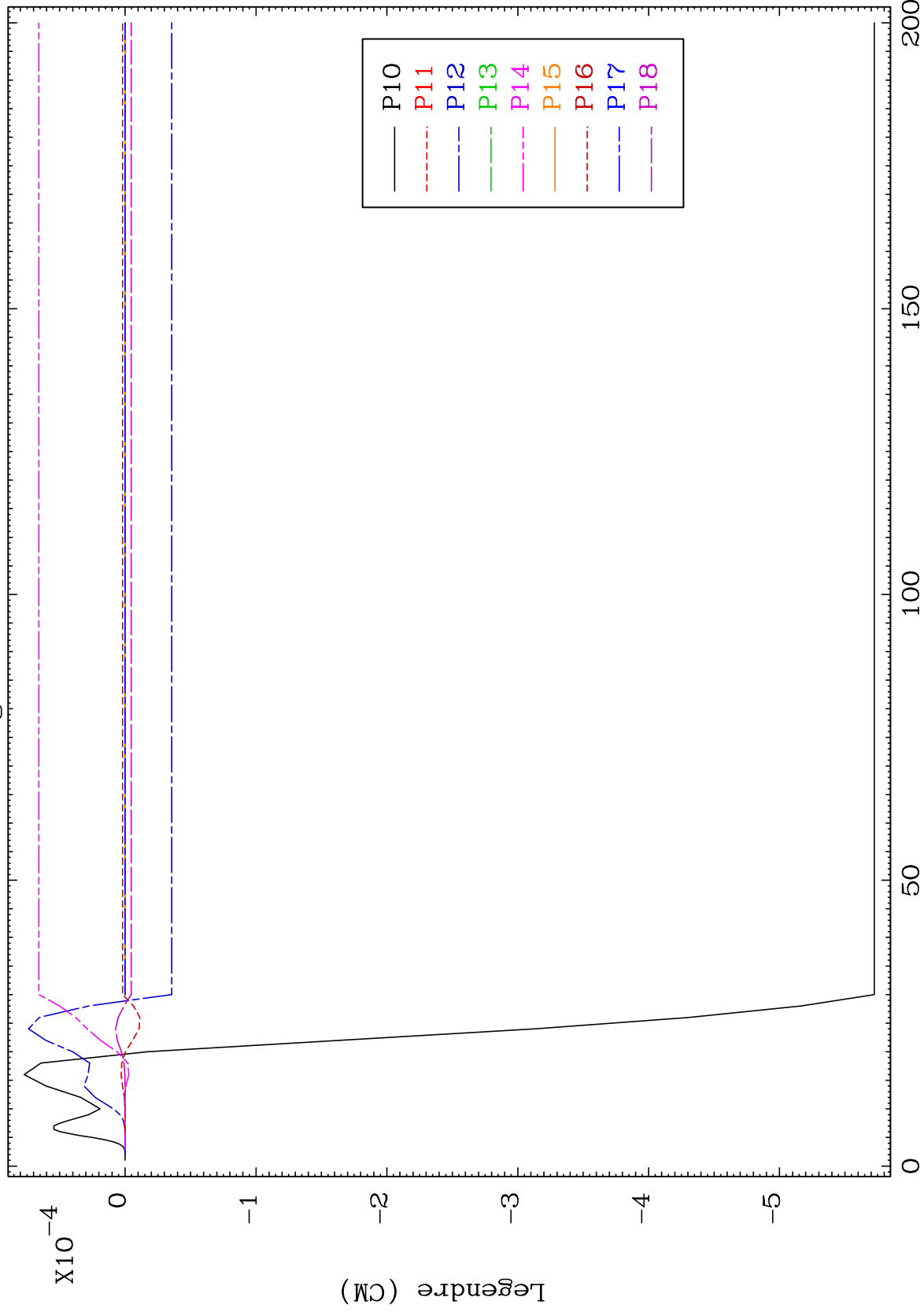
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



49

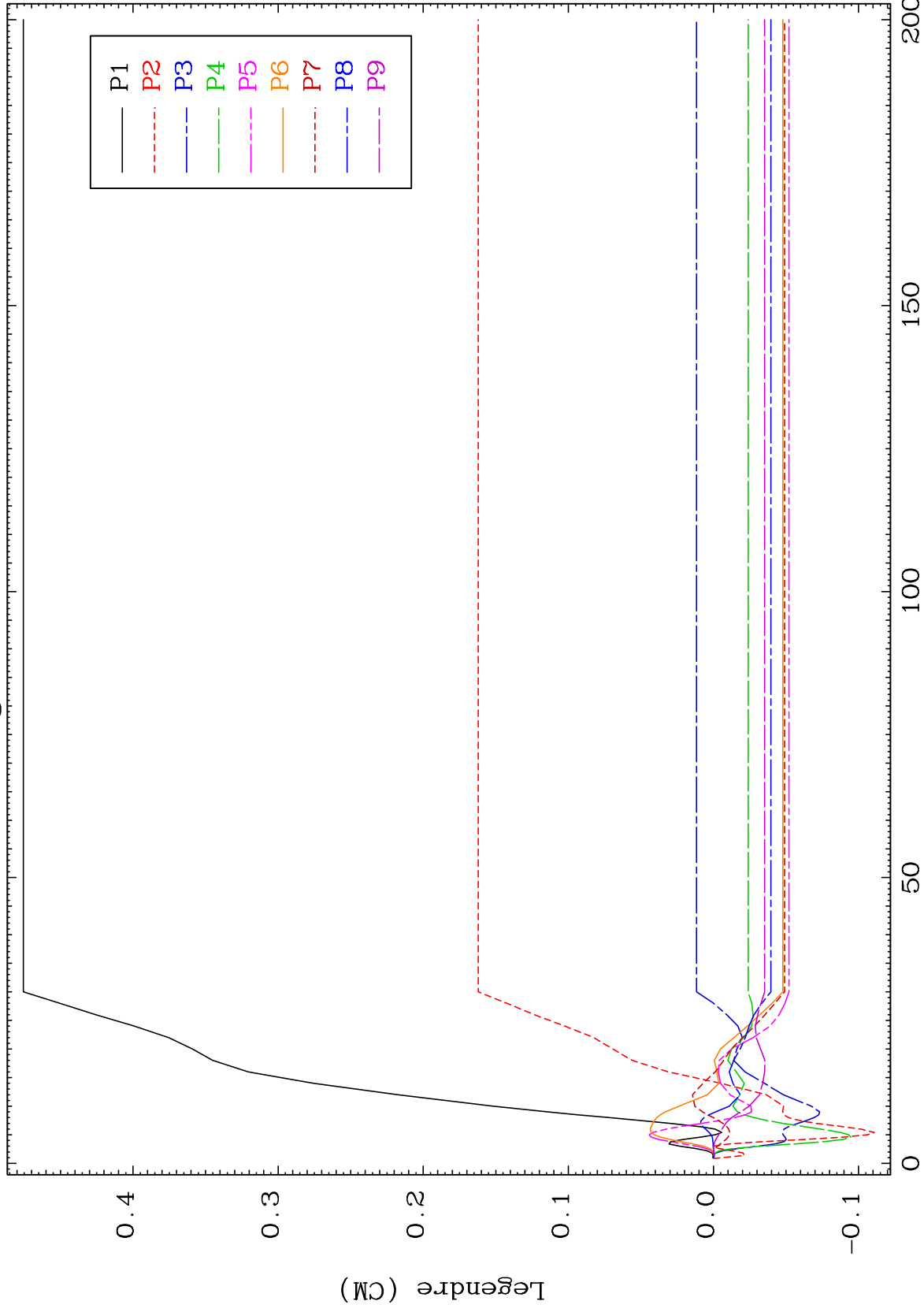
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



51

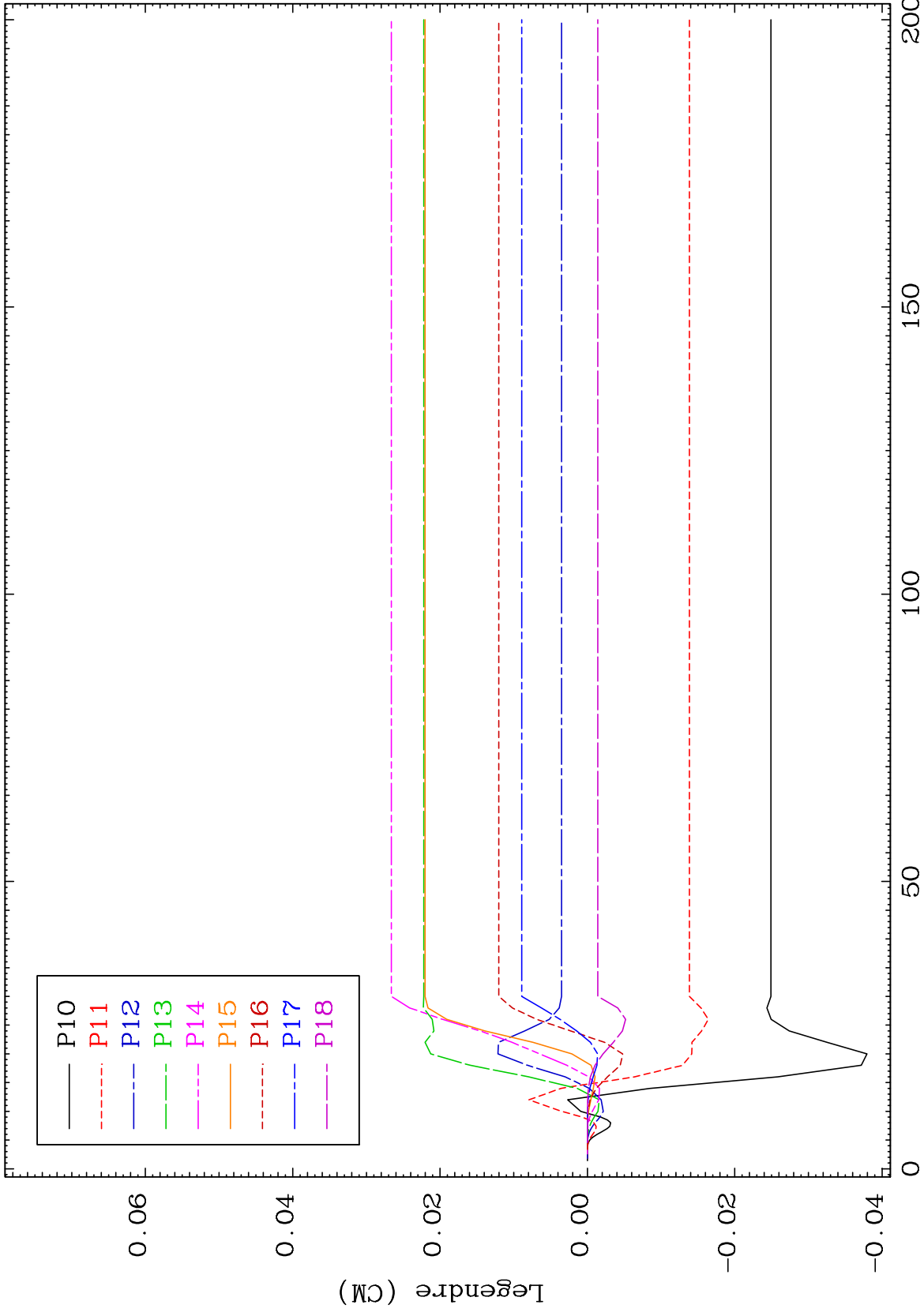
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



52

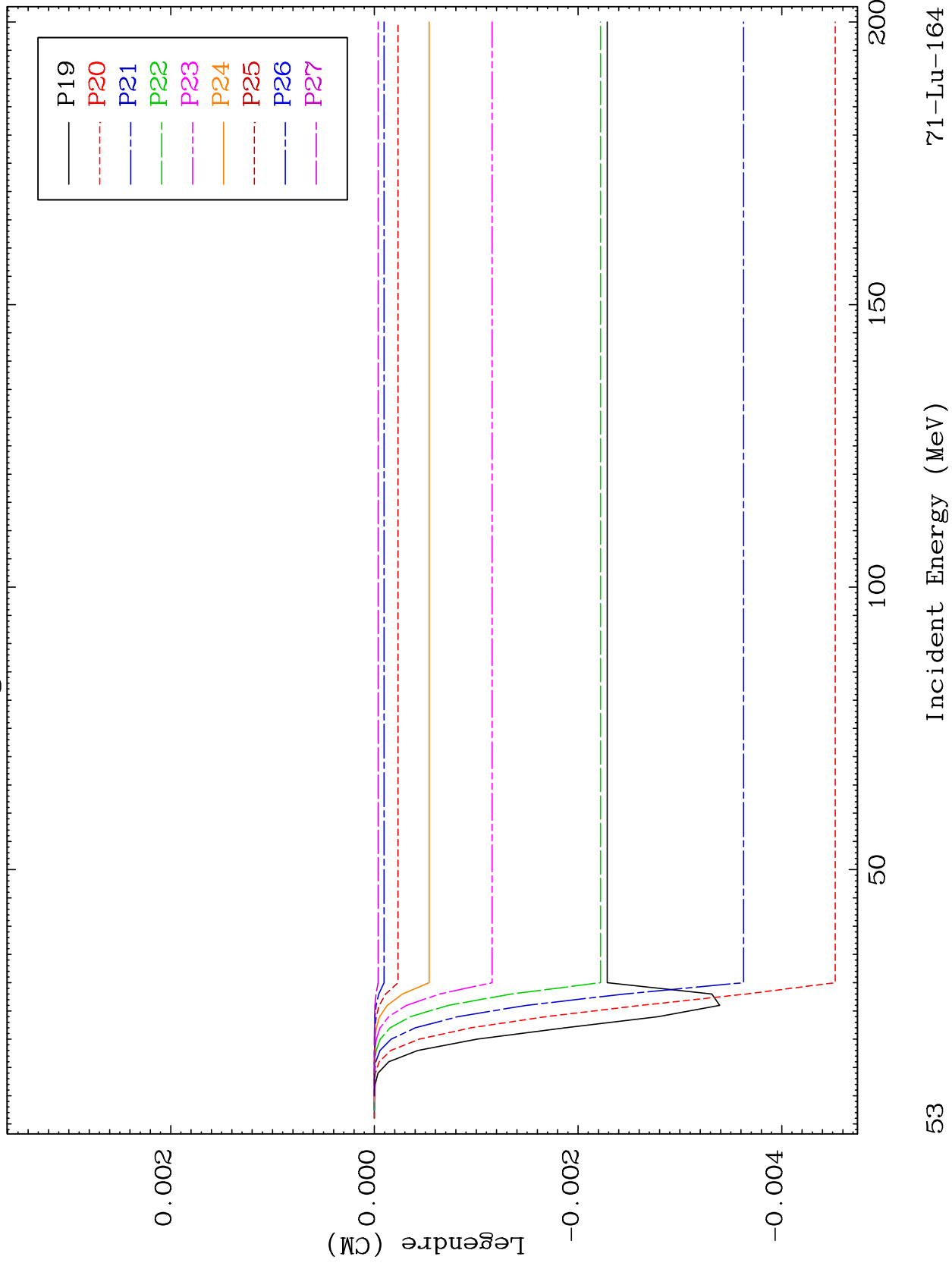
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

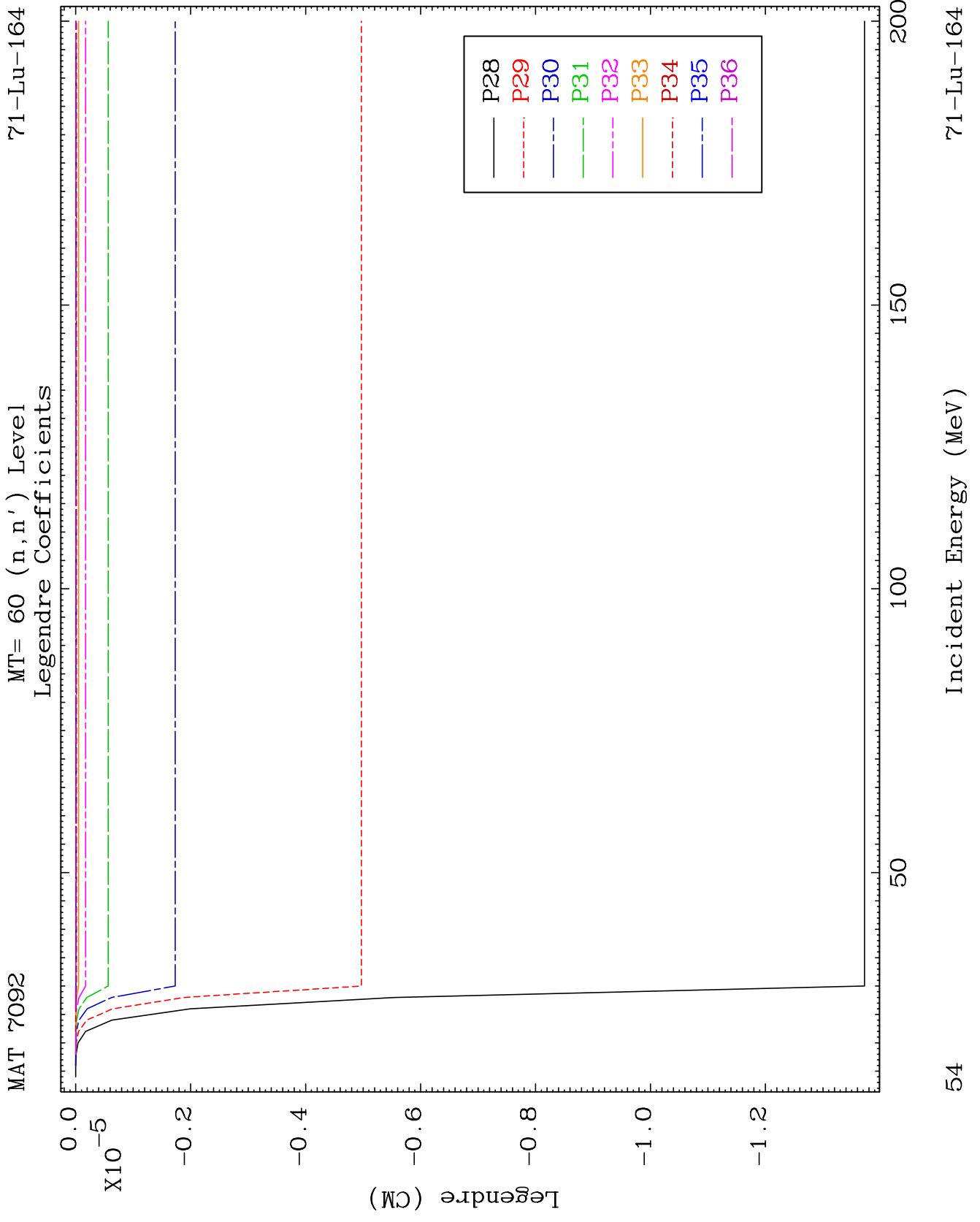
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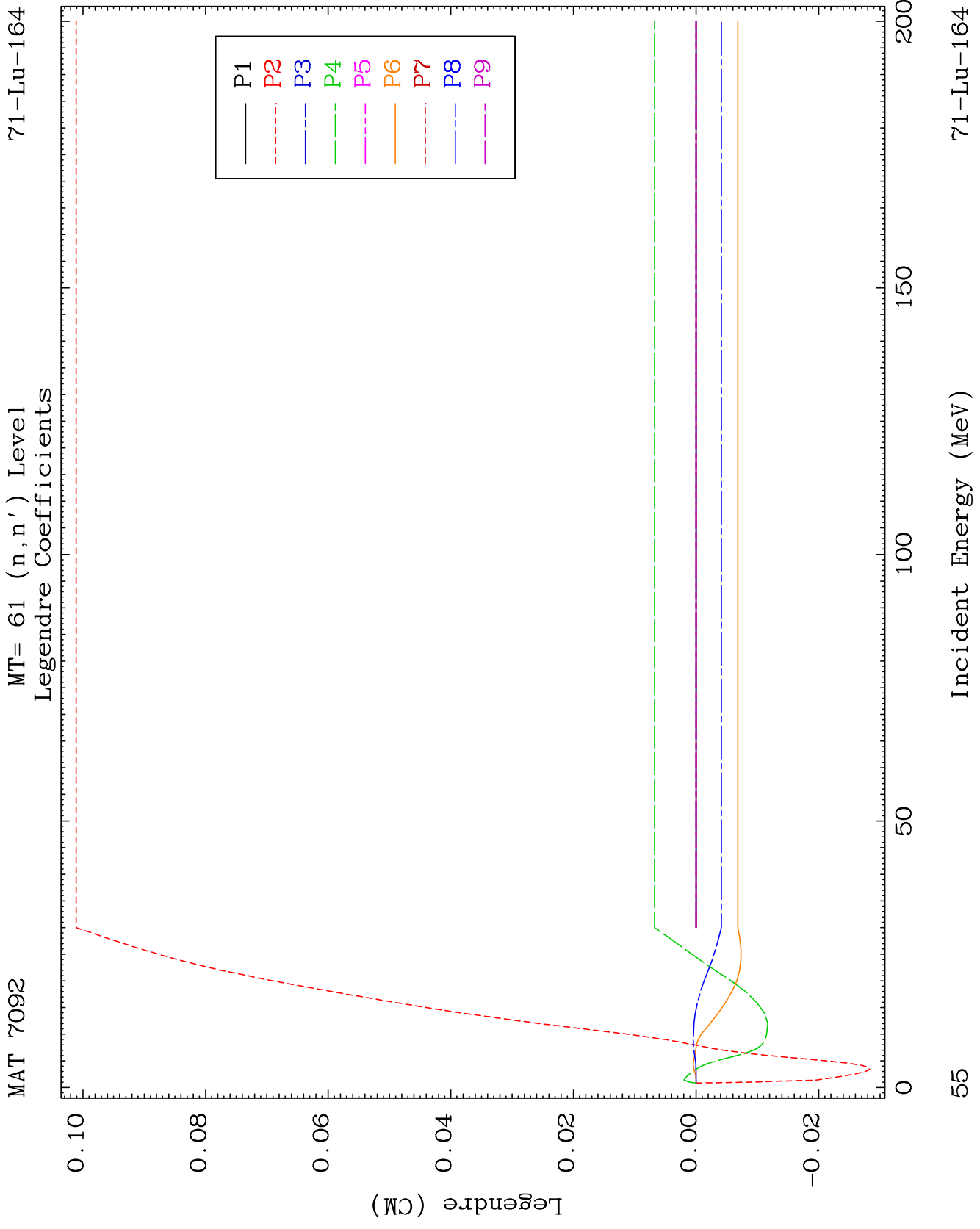


53

Incident Energy (MeV)

71-Lu-164

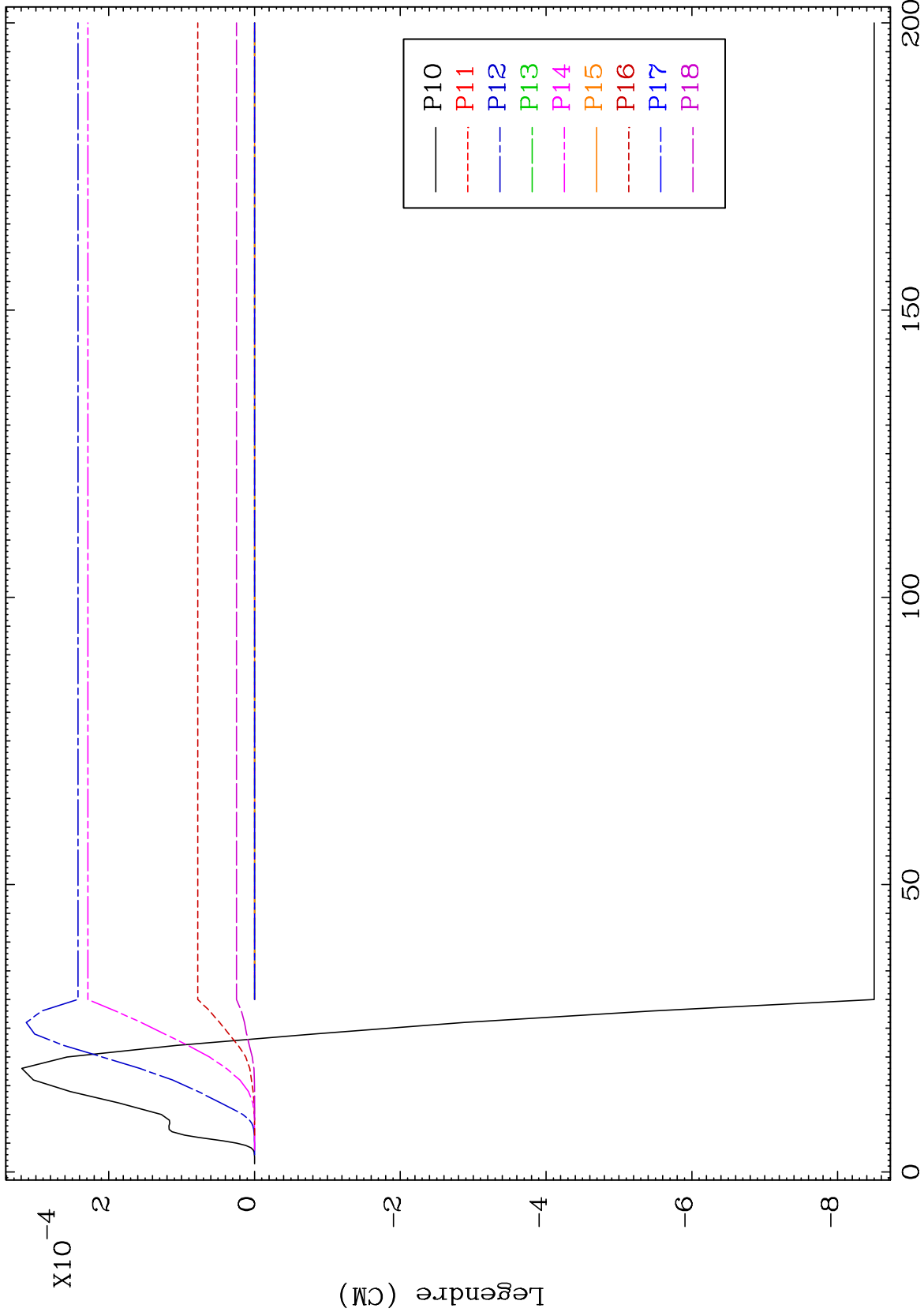




MAT 7092

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

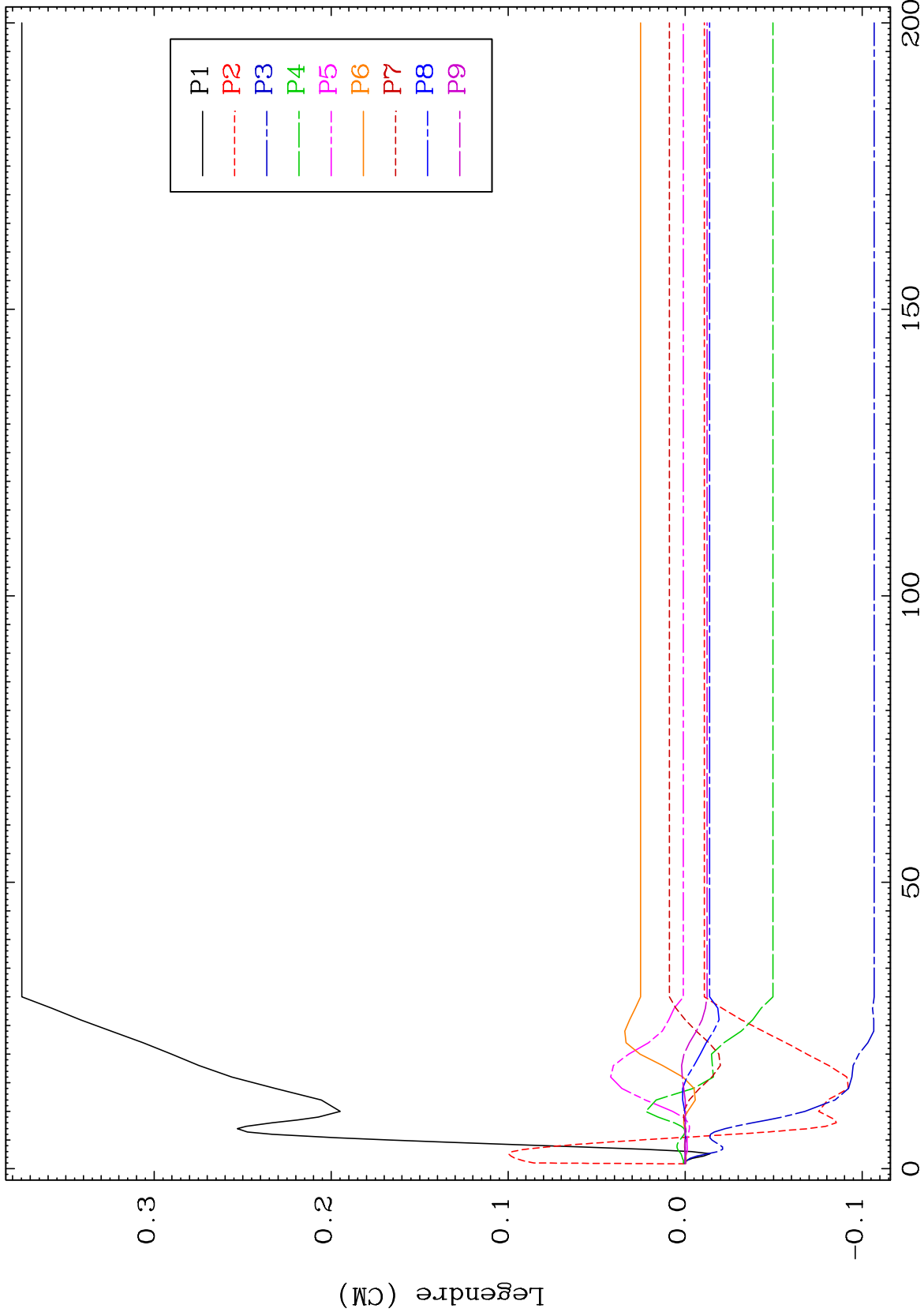
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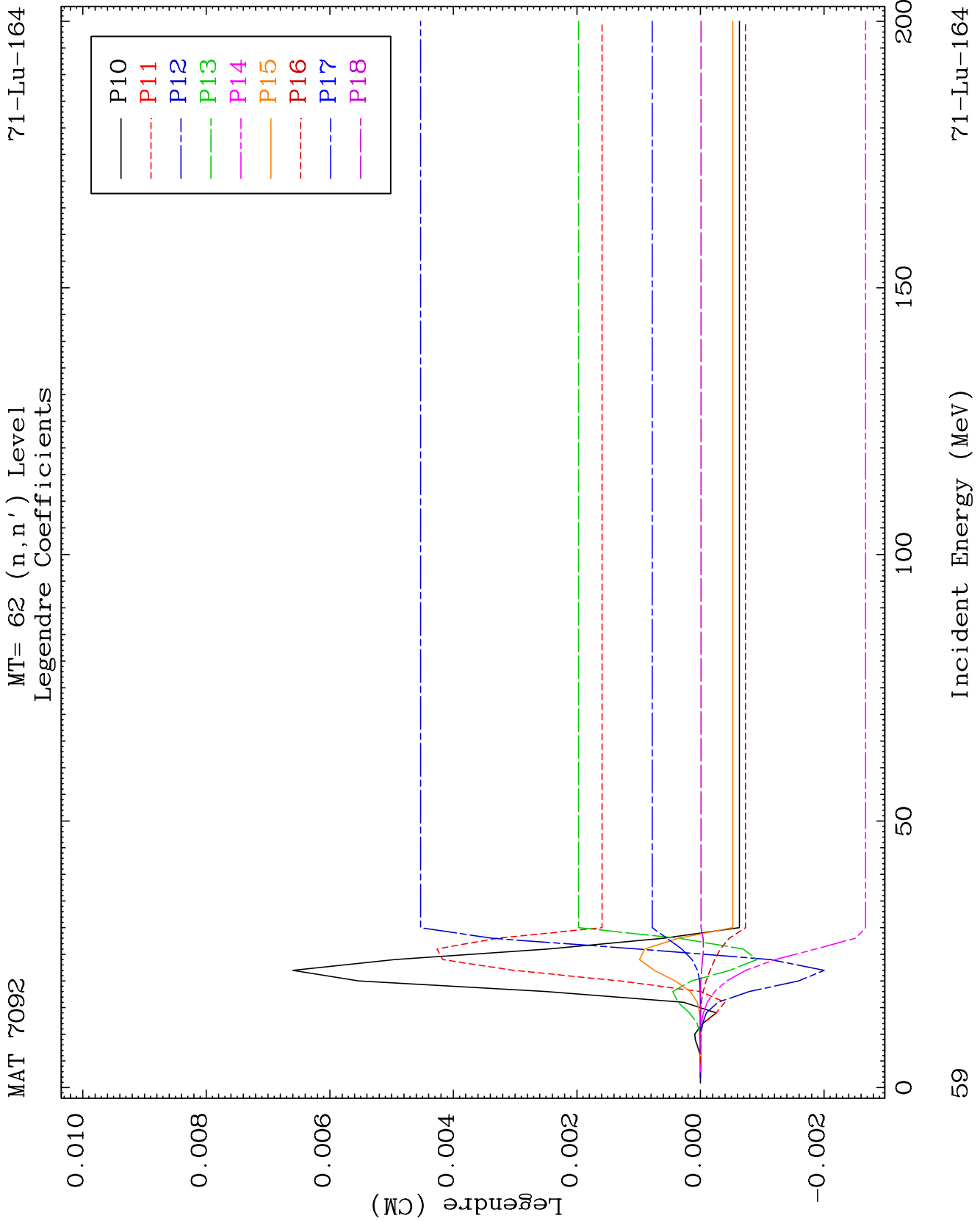


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Incident Energy (MeV)

71-Lu-164

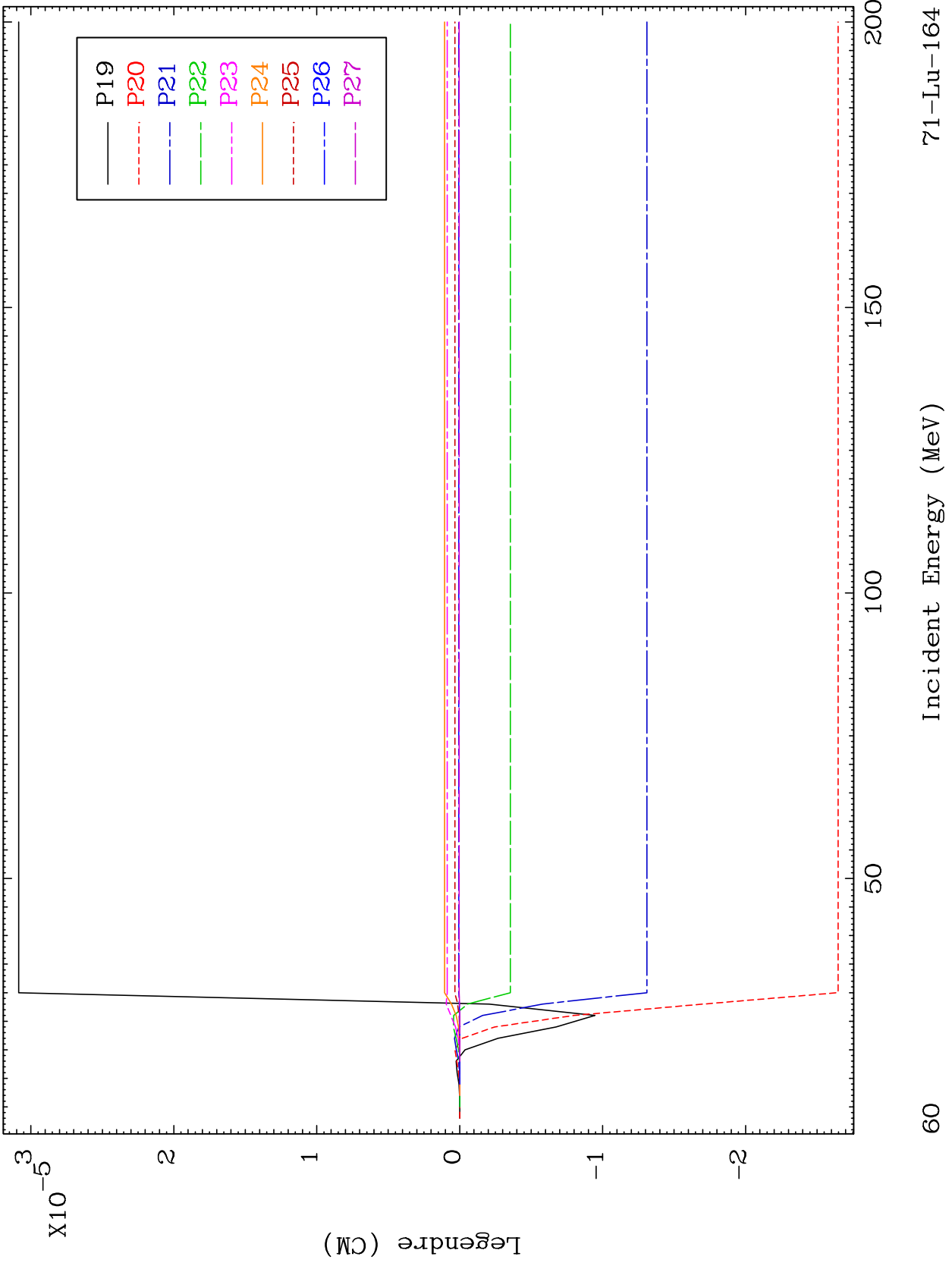




MAT 7092

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

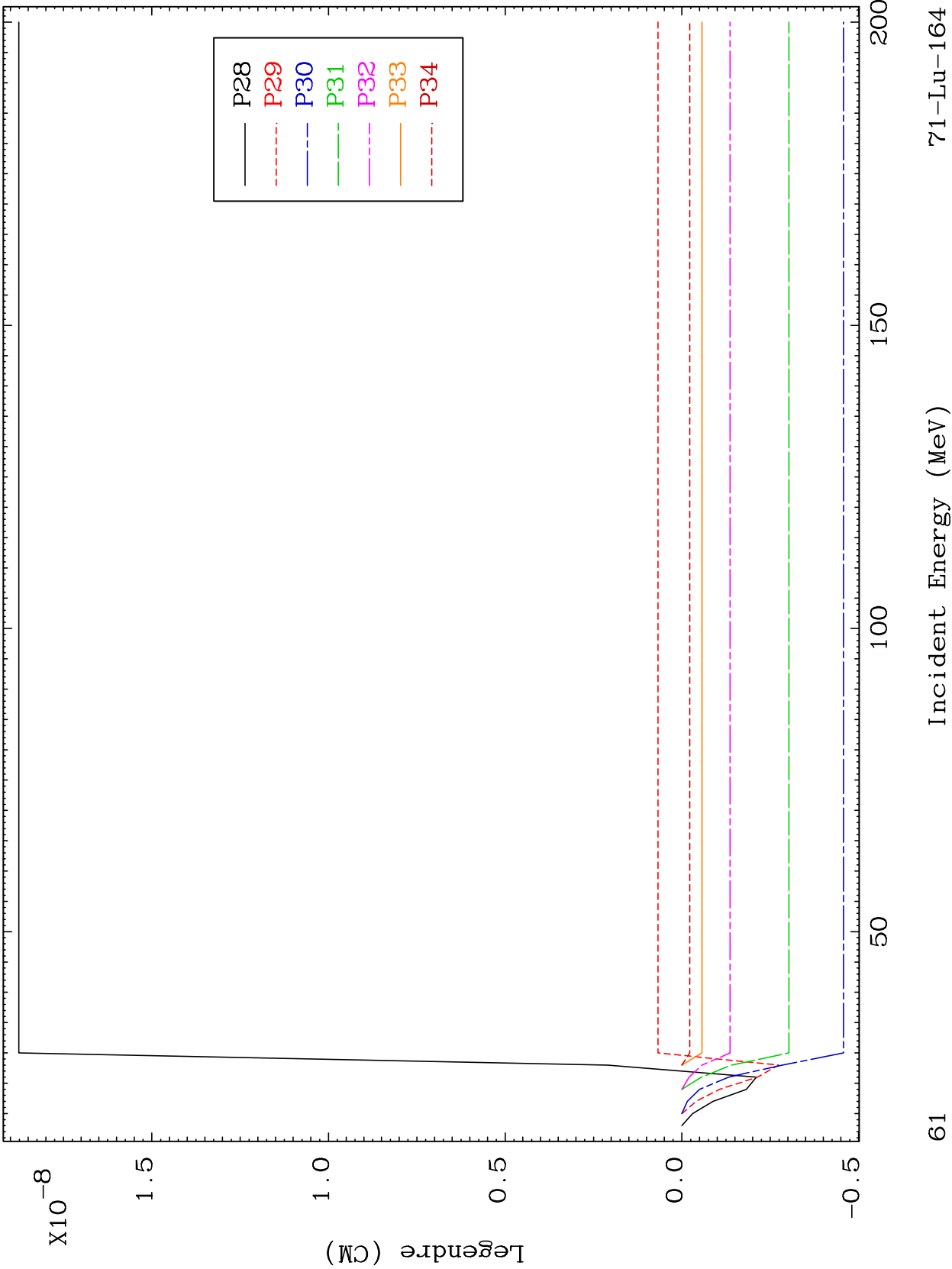
71-Lu-164



MAT 7092

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

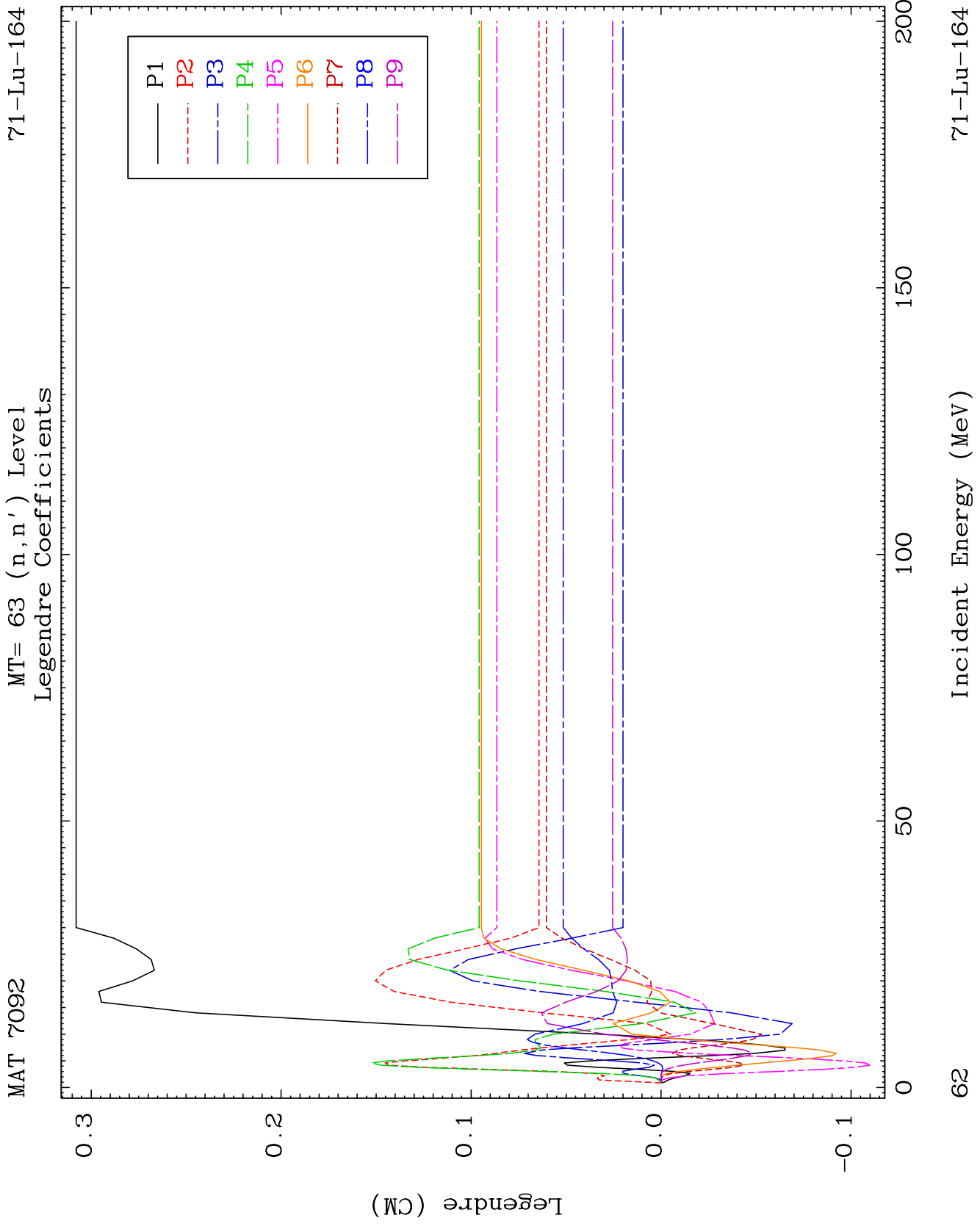
71-Lu-164



61

Incident Energy (MeV)

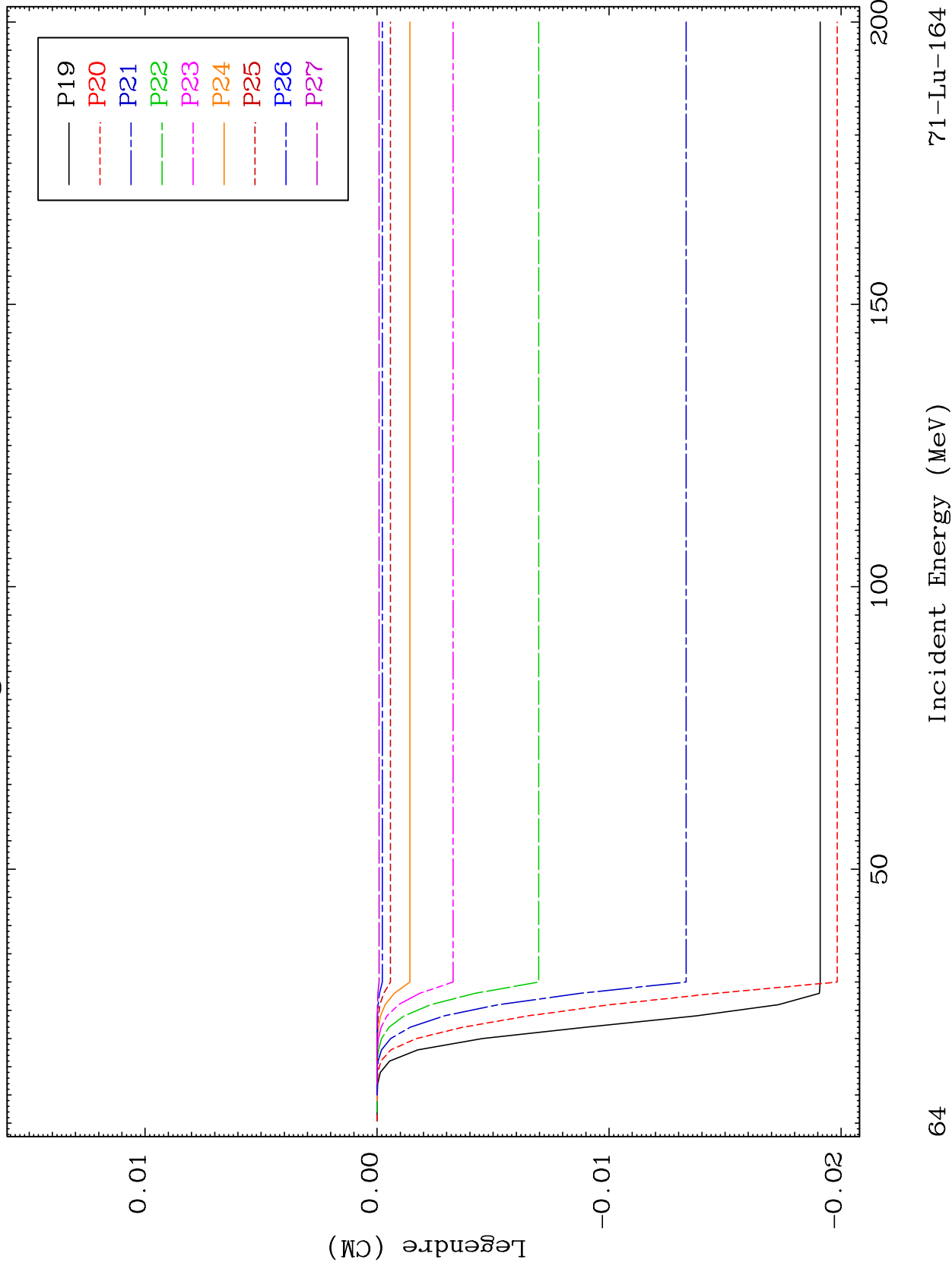
71-Lu-164



MAT 7092

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

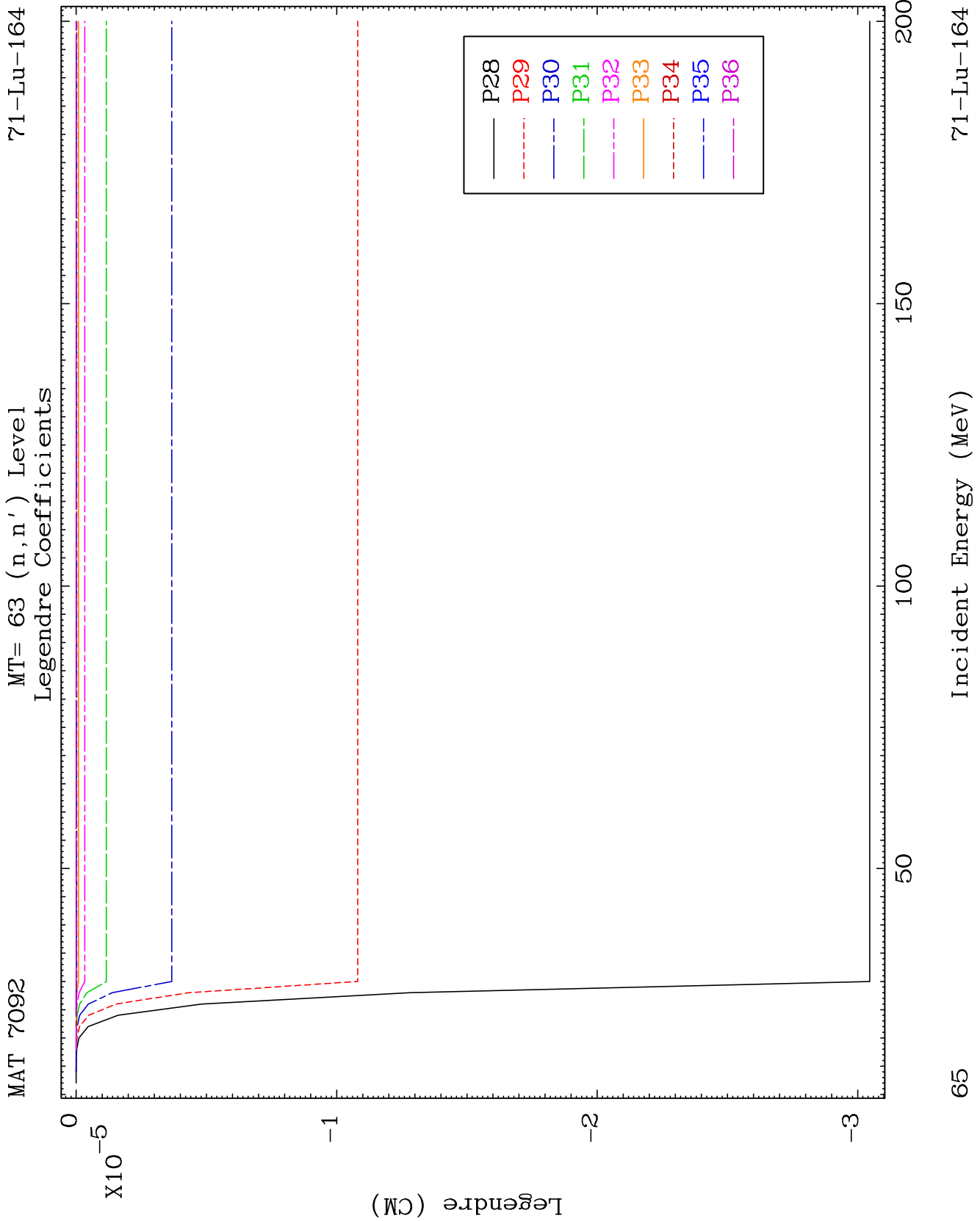
71-Lu-164



64

Incident Energy (MeV)

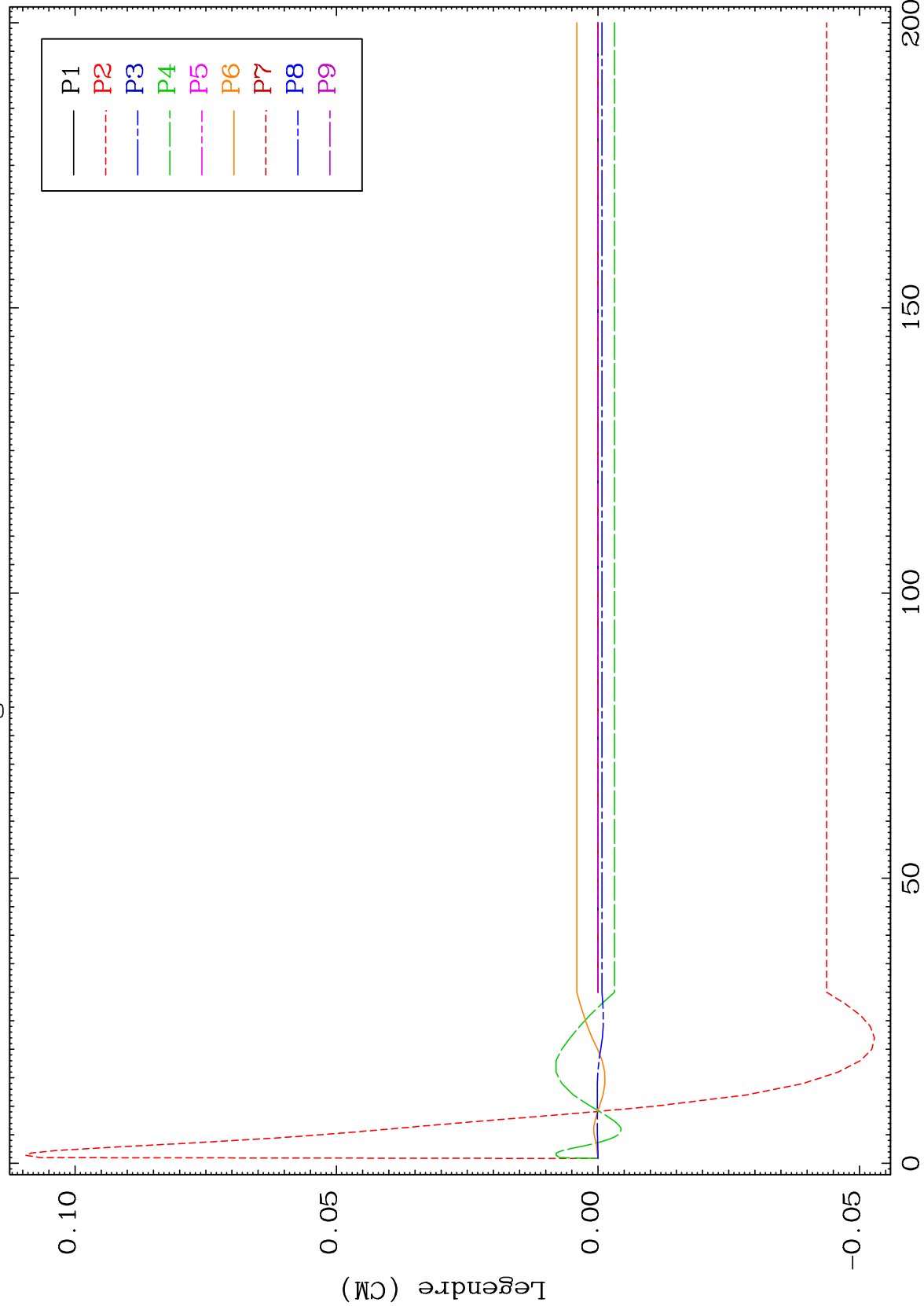
71-Lu-164



MAT 7092

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

71-Lu-164



66

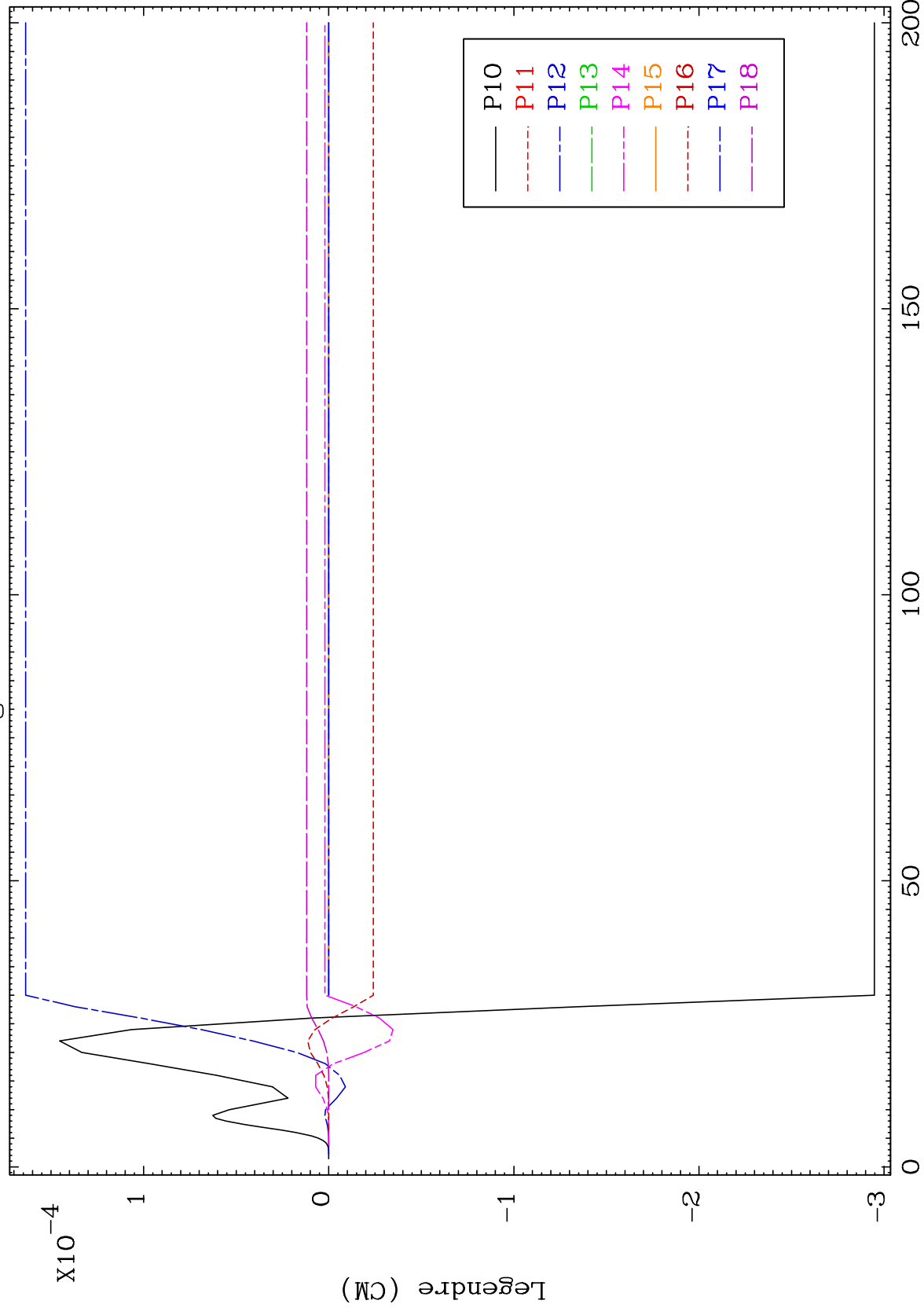
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



67

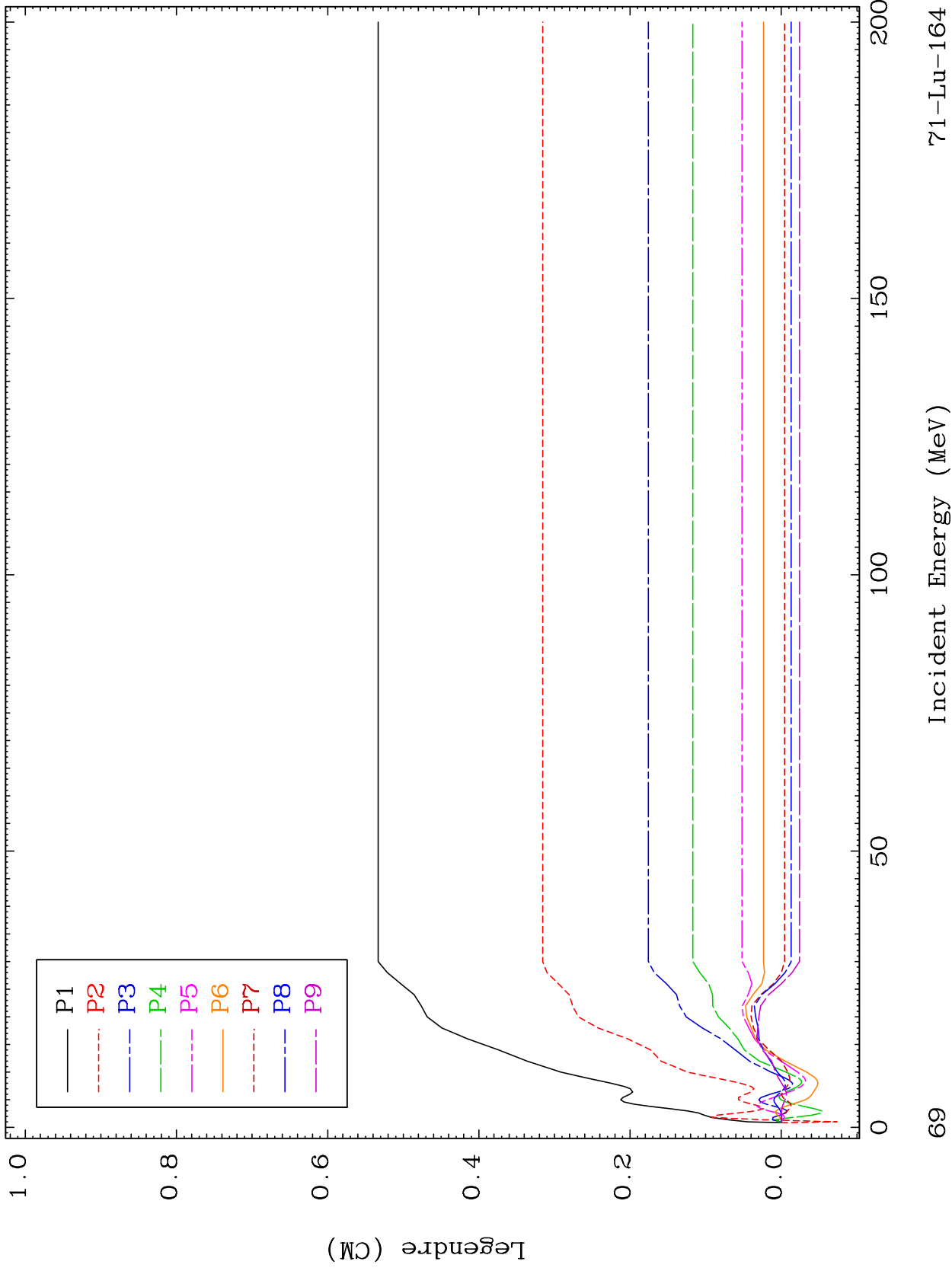
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164

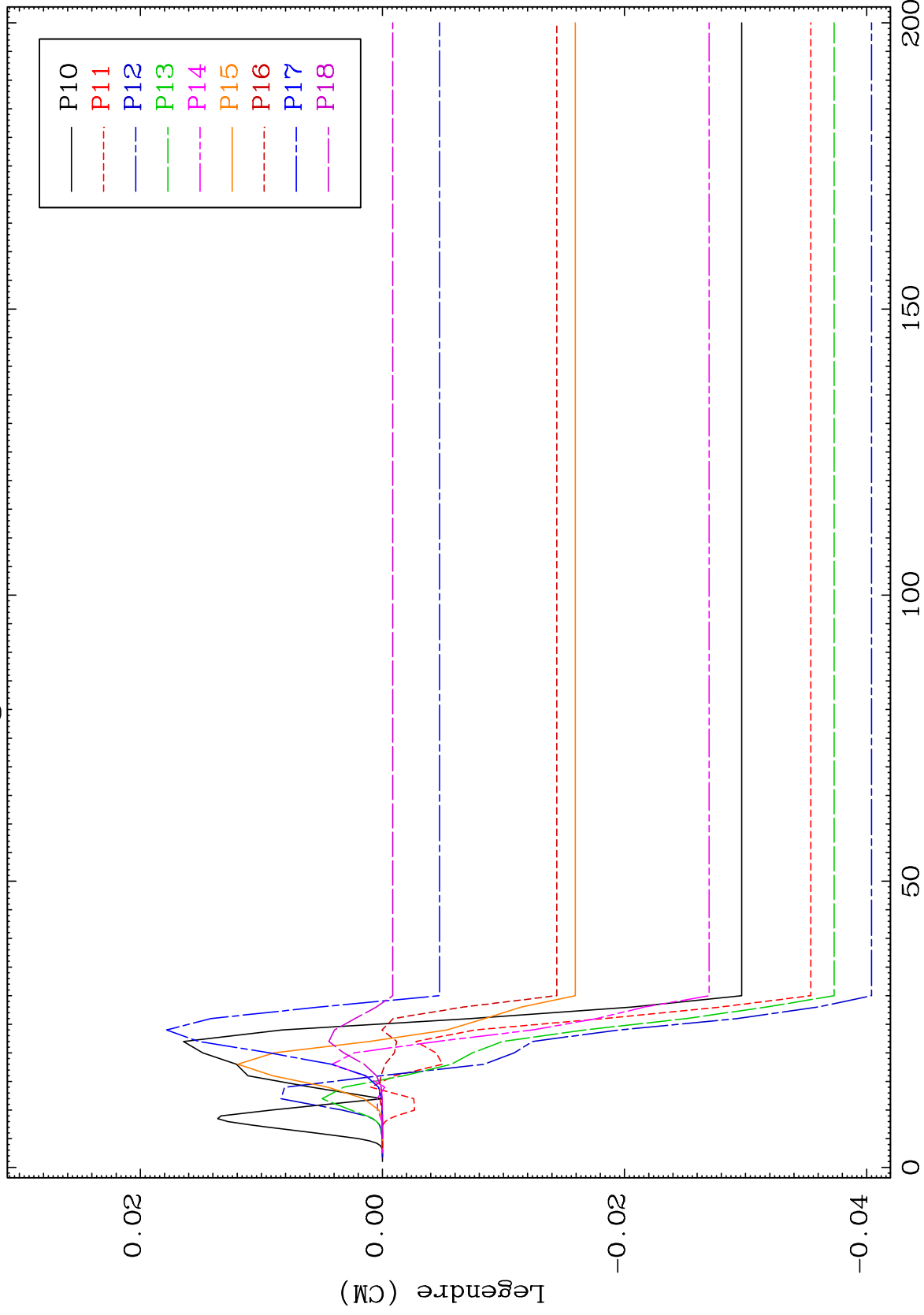


69

MAT 7092

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

71-Lu-164



70

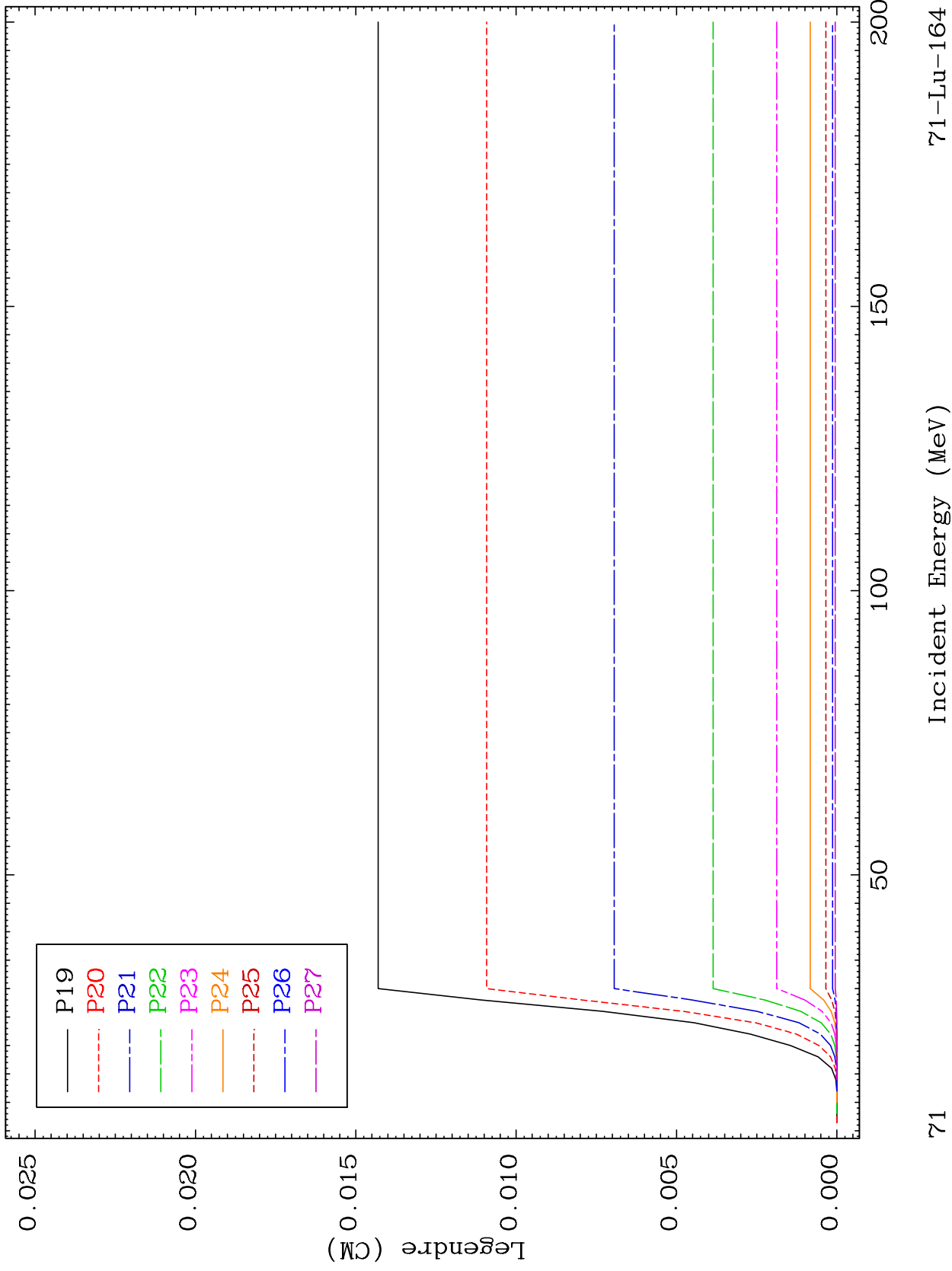
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



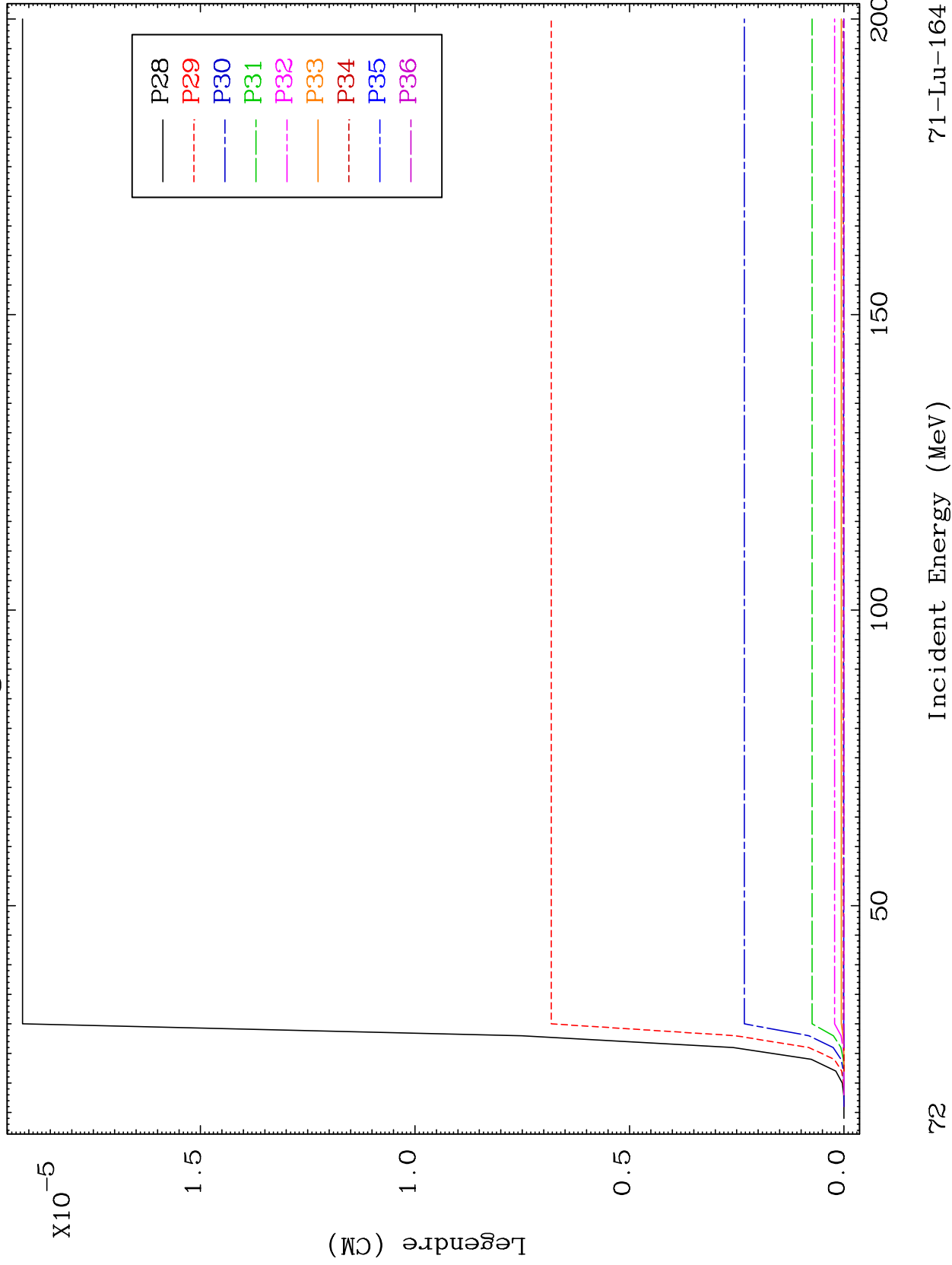
71

71-Lu-164

MAT 7092

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

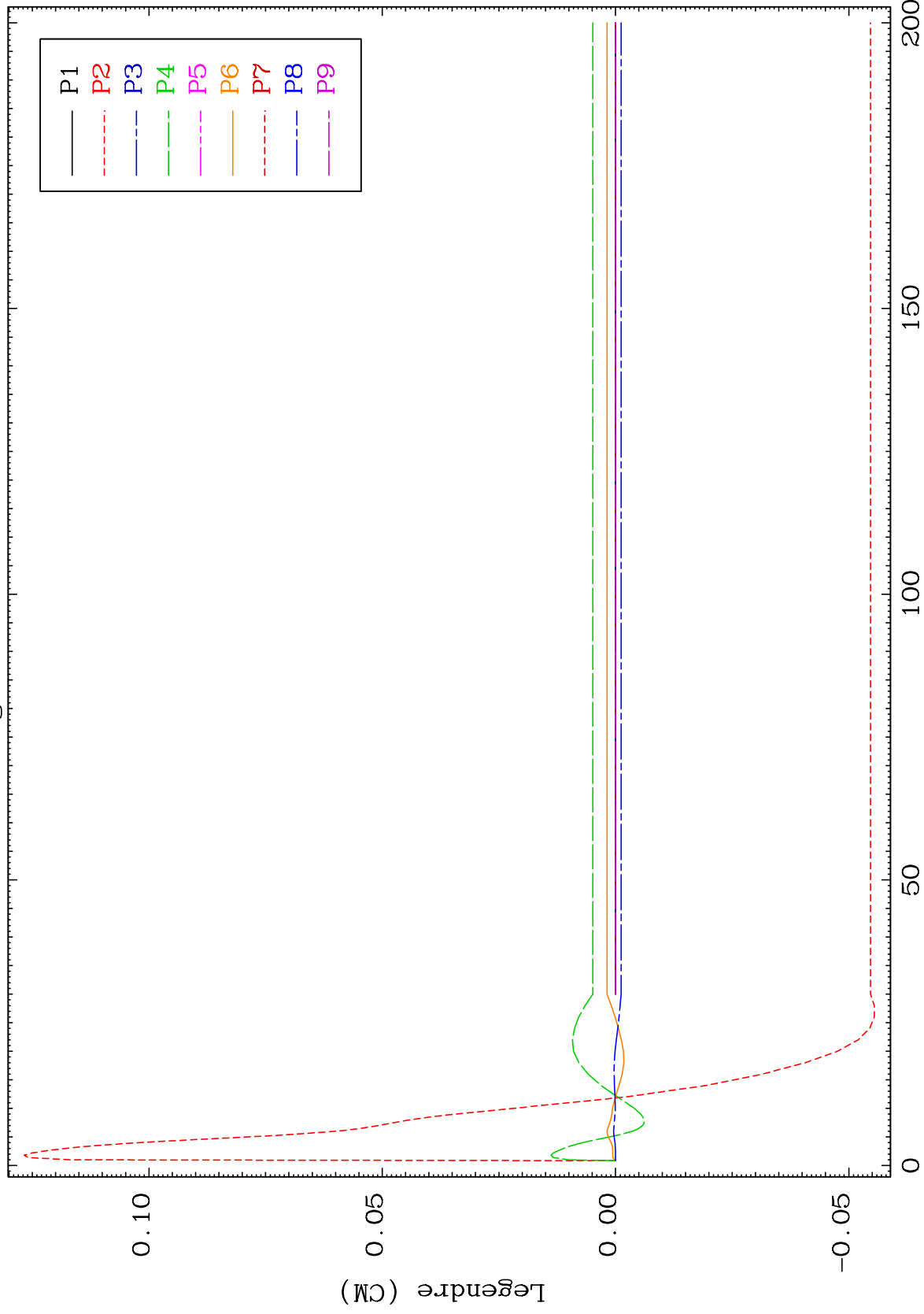
71-Lu-164



MAT 7092

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

71-Lu-164



73

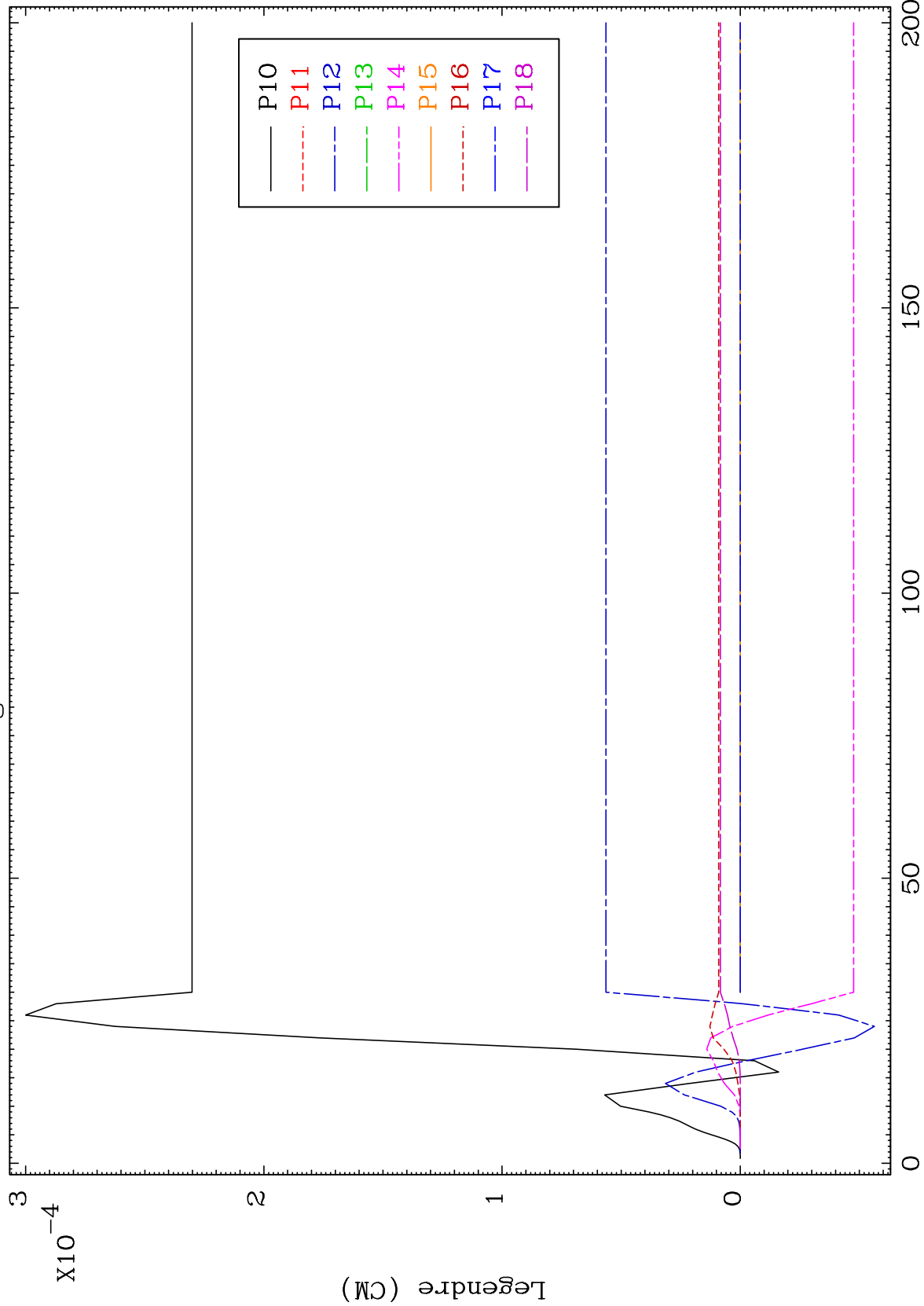
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

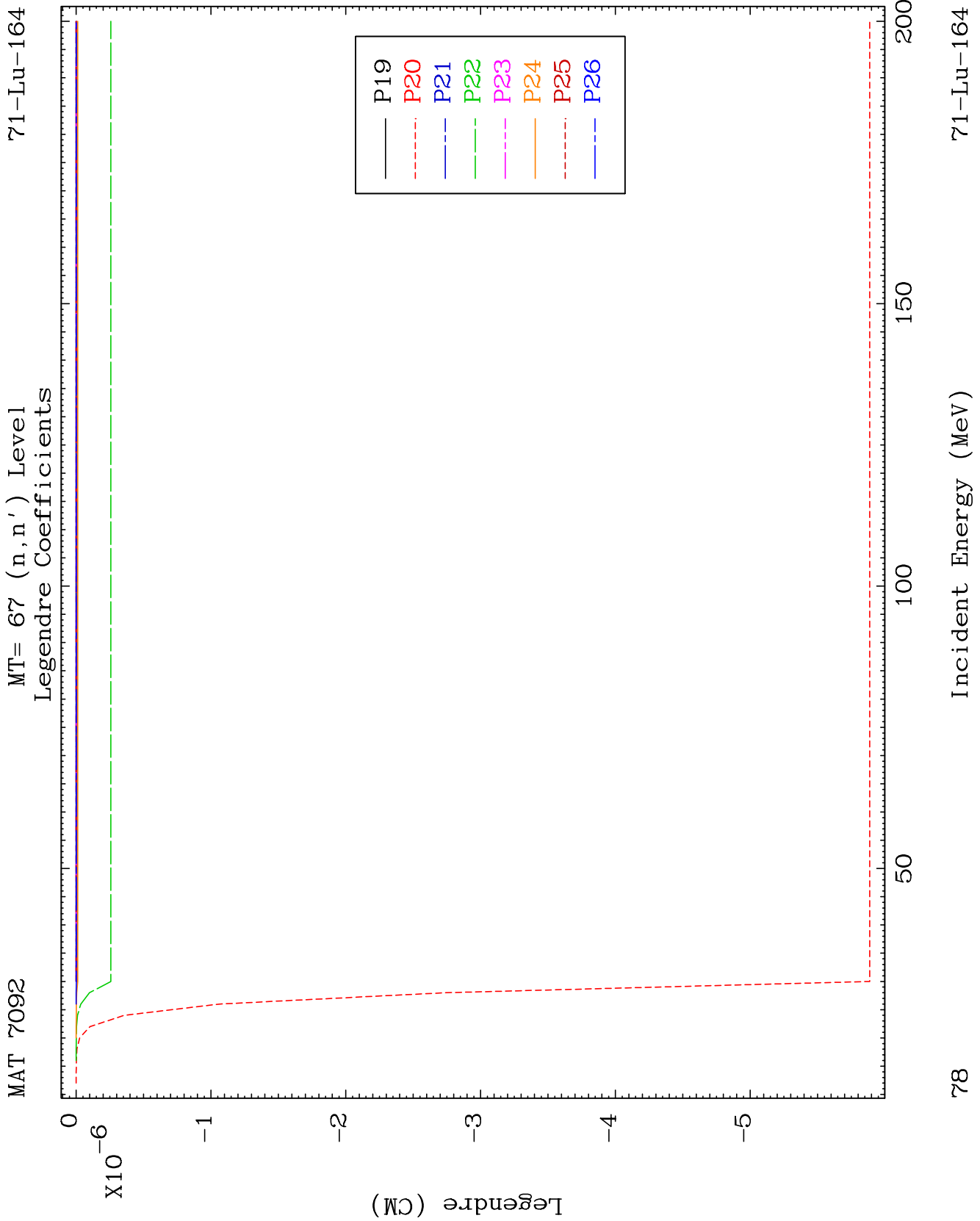
71-Lu-164



74

Incident Energy (MeV)

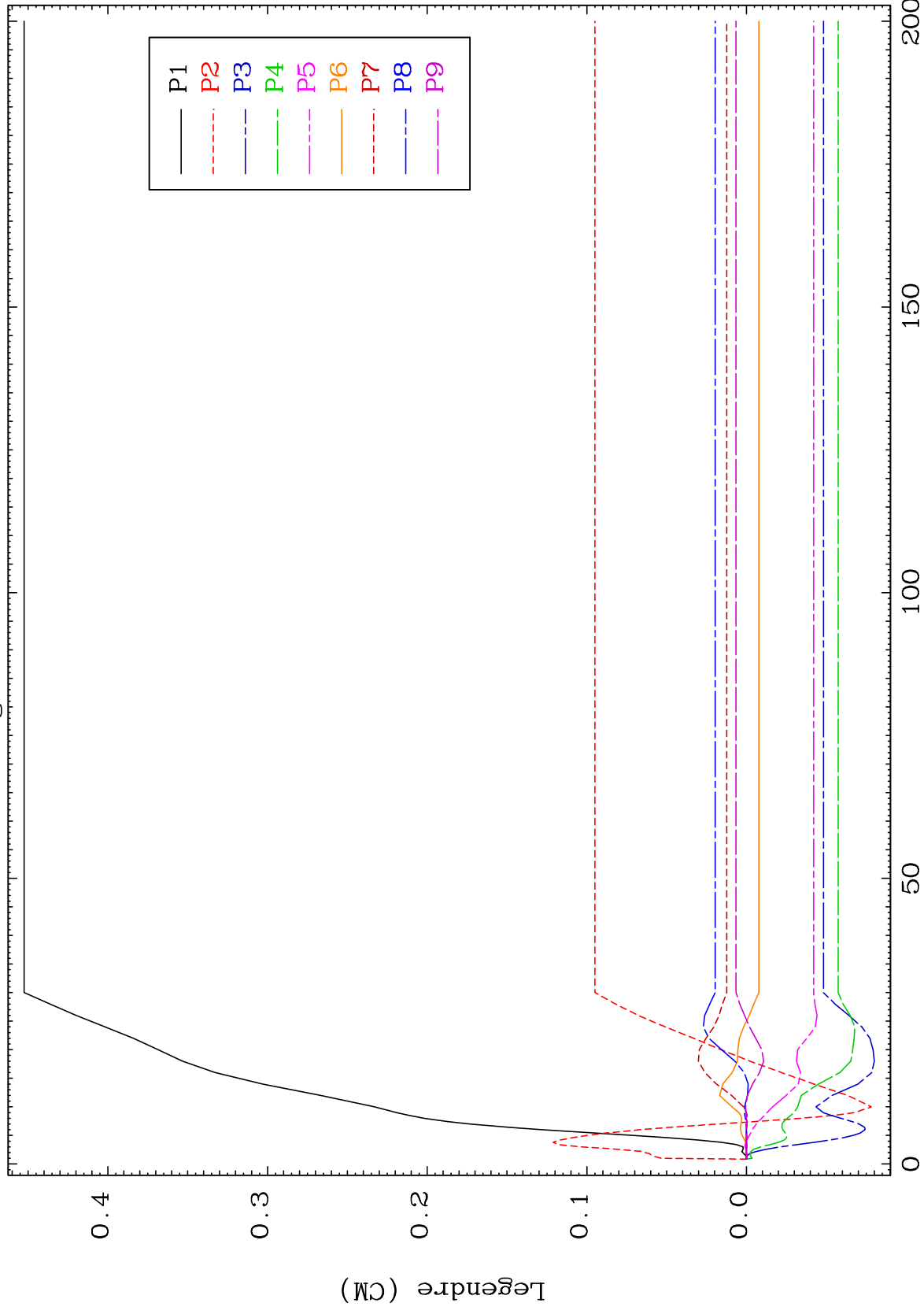
71-Lu-164



MAT 7092

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

71-Lu-164



79

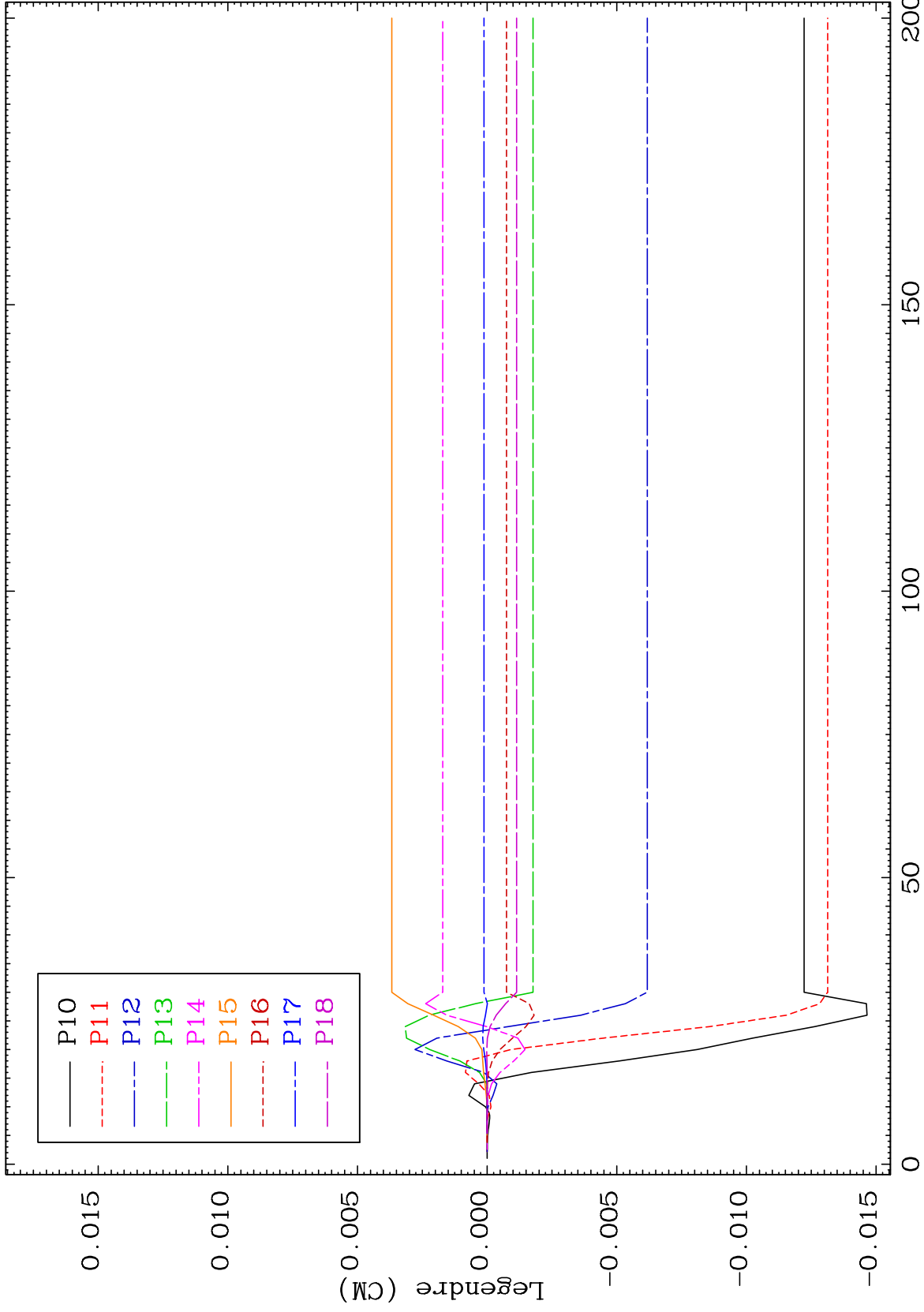
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

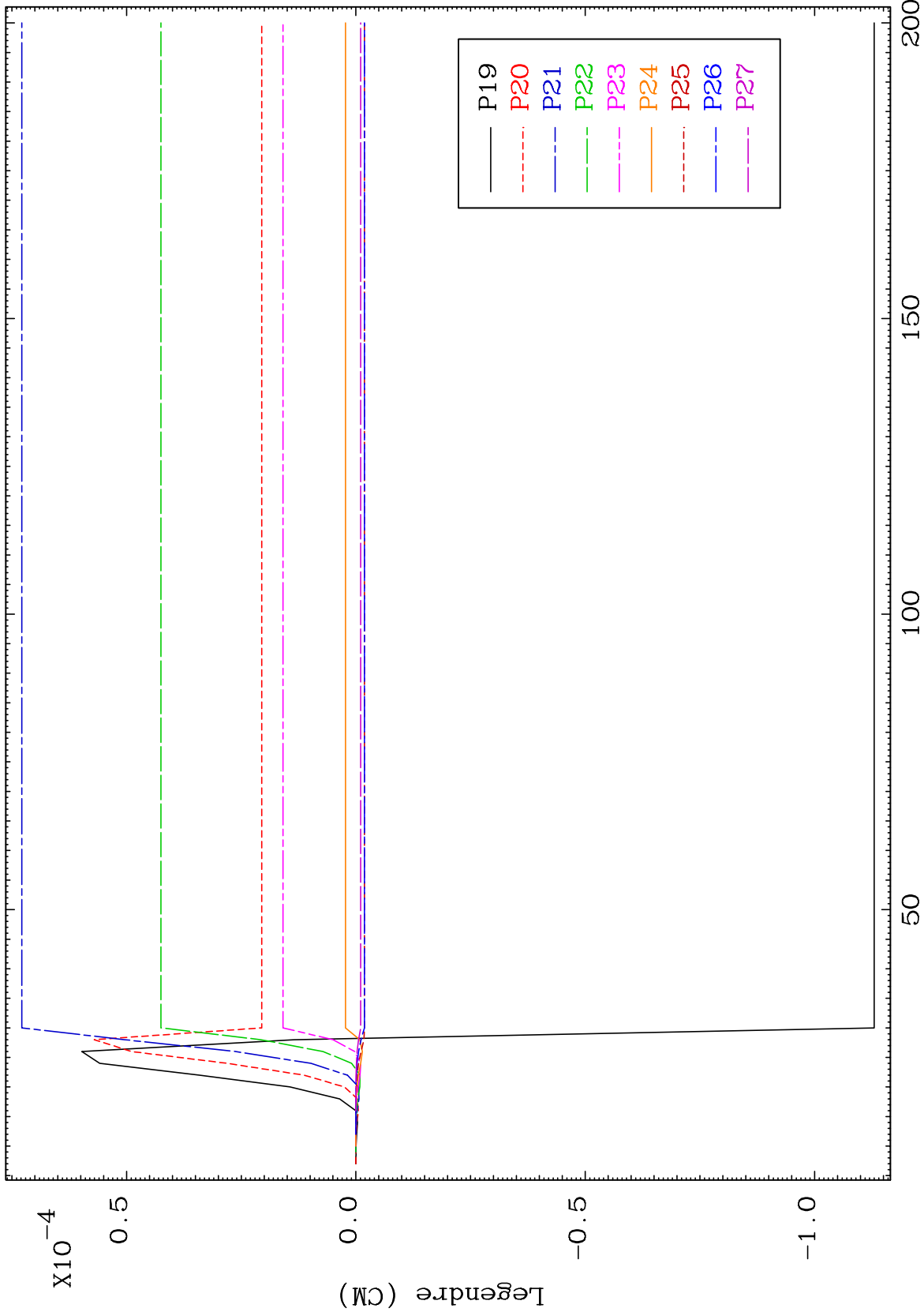
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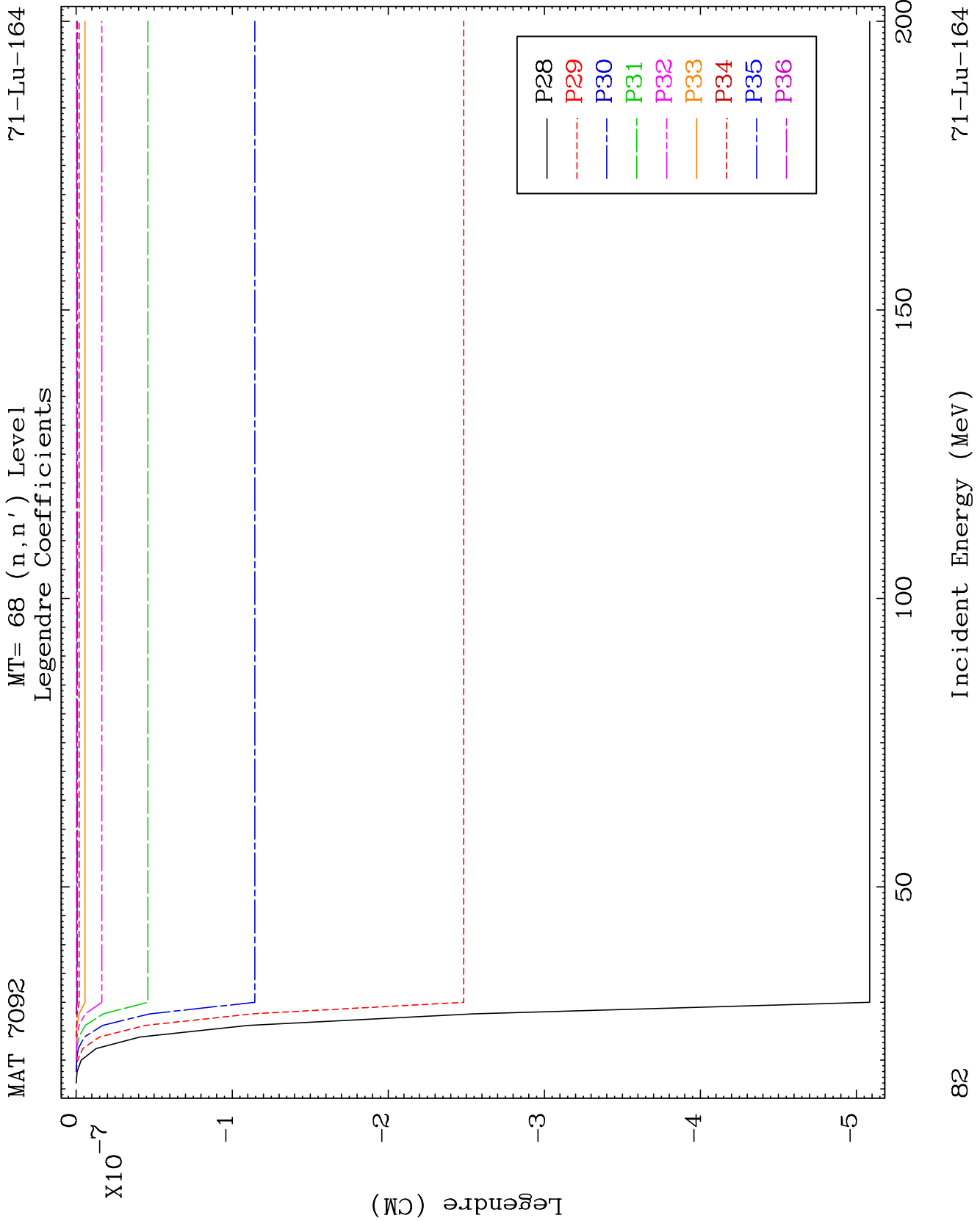


80

Incident Energy (MeV)

71-Lu-164

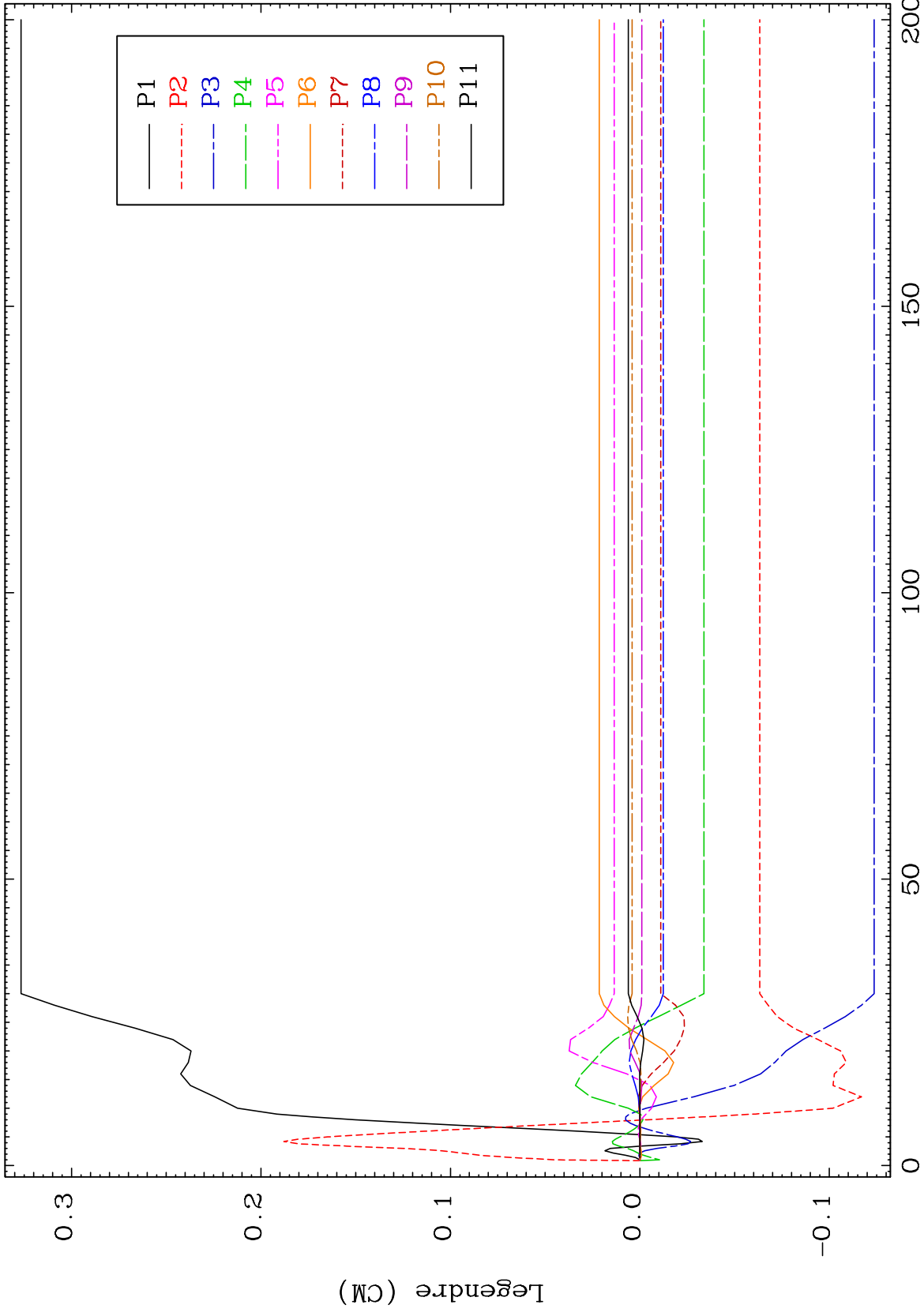




MAT 7092

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

71-Lu-164



83

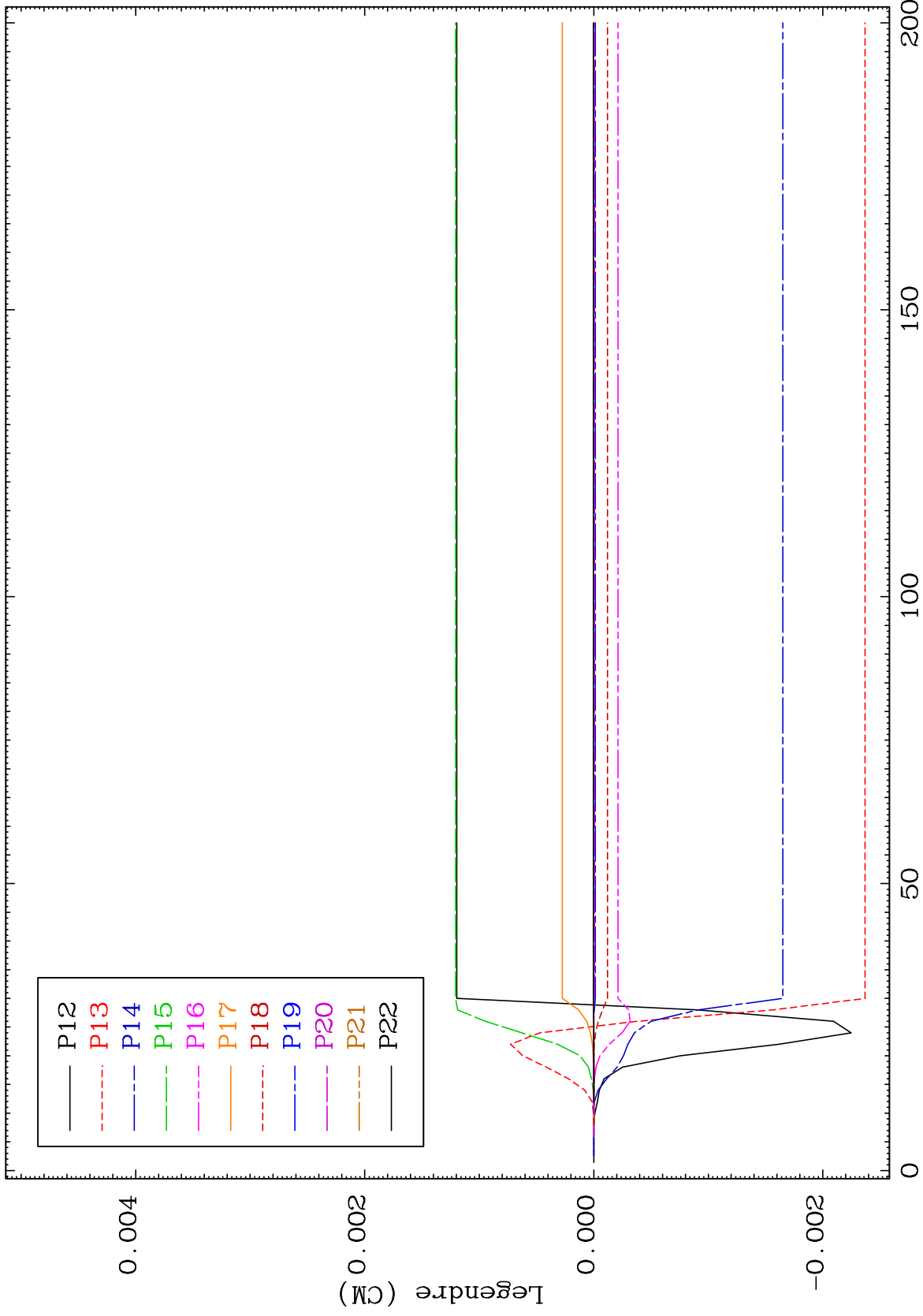
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



84

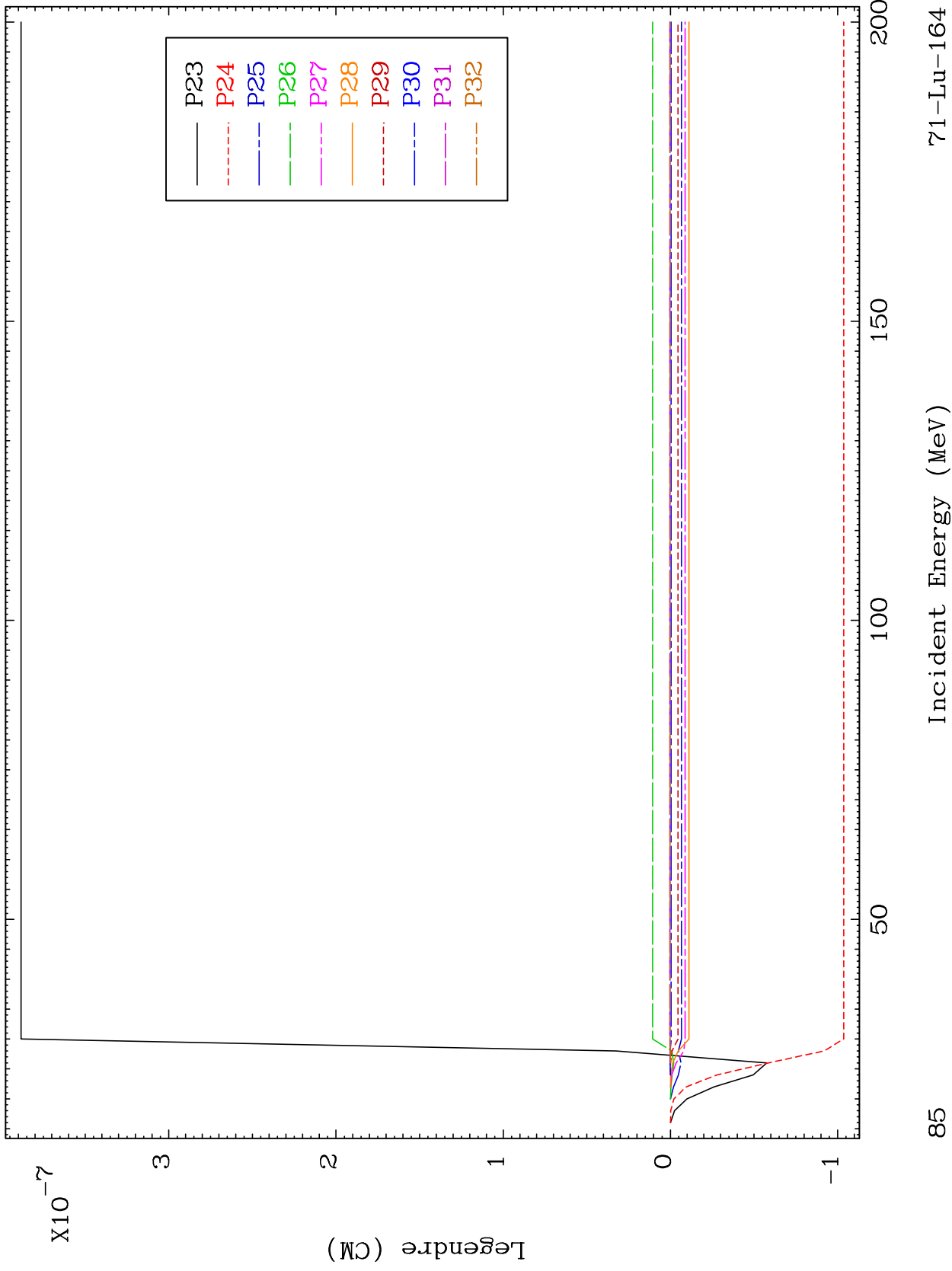
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

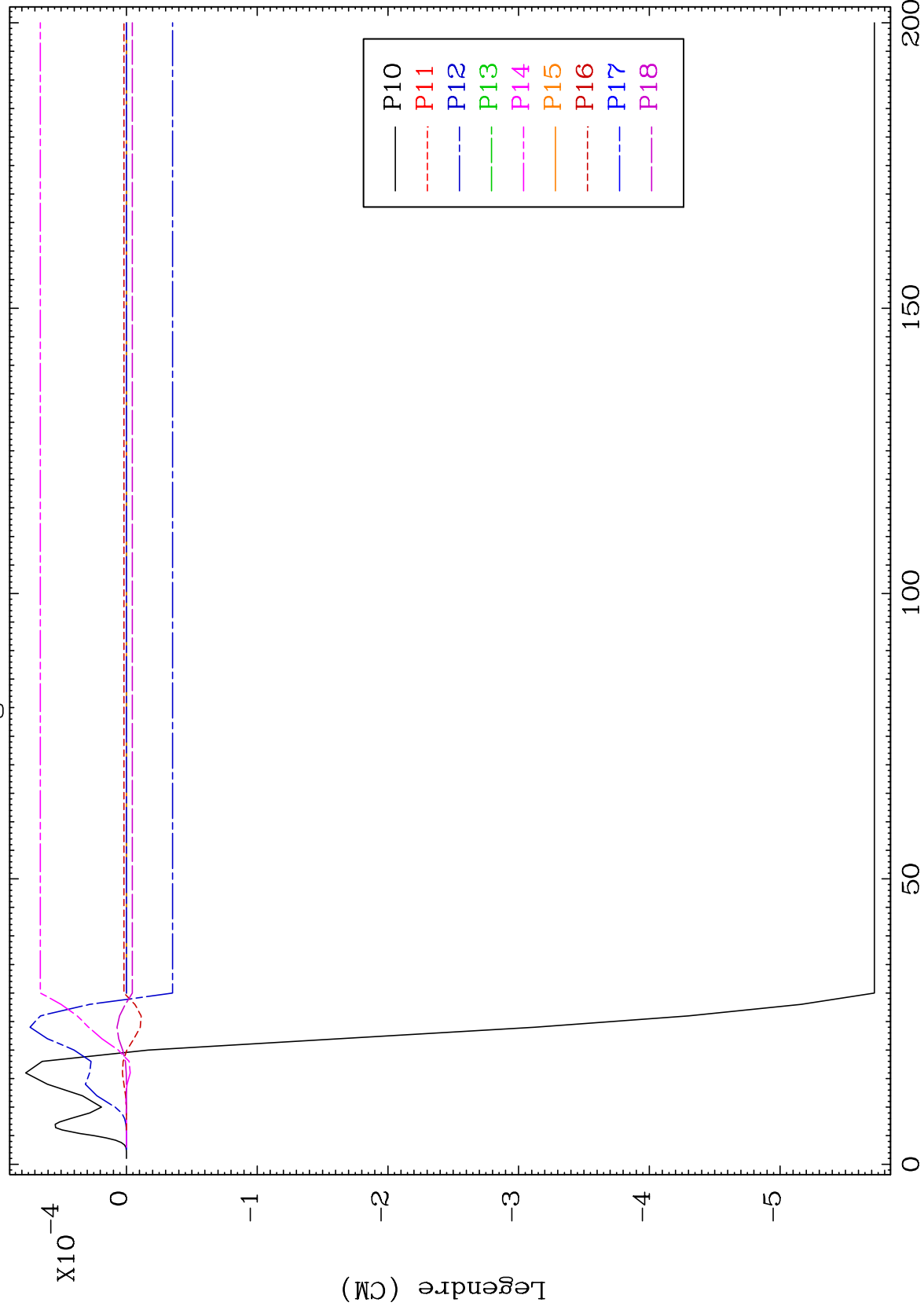
71-Lu-164



MAT 7092

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

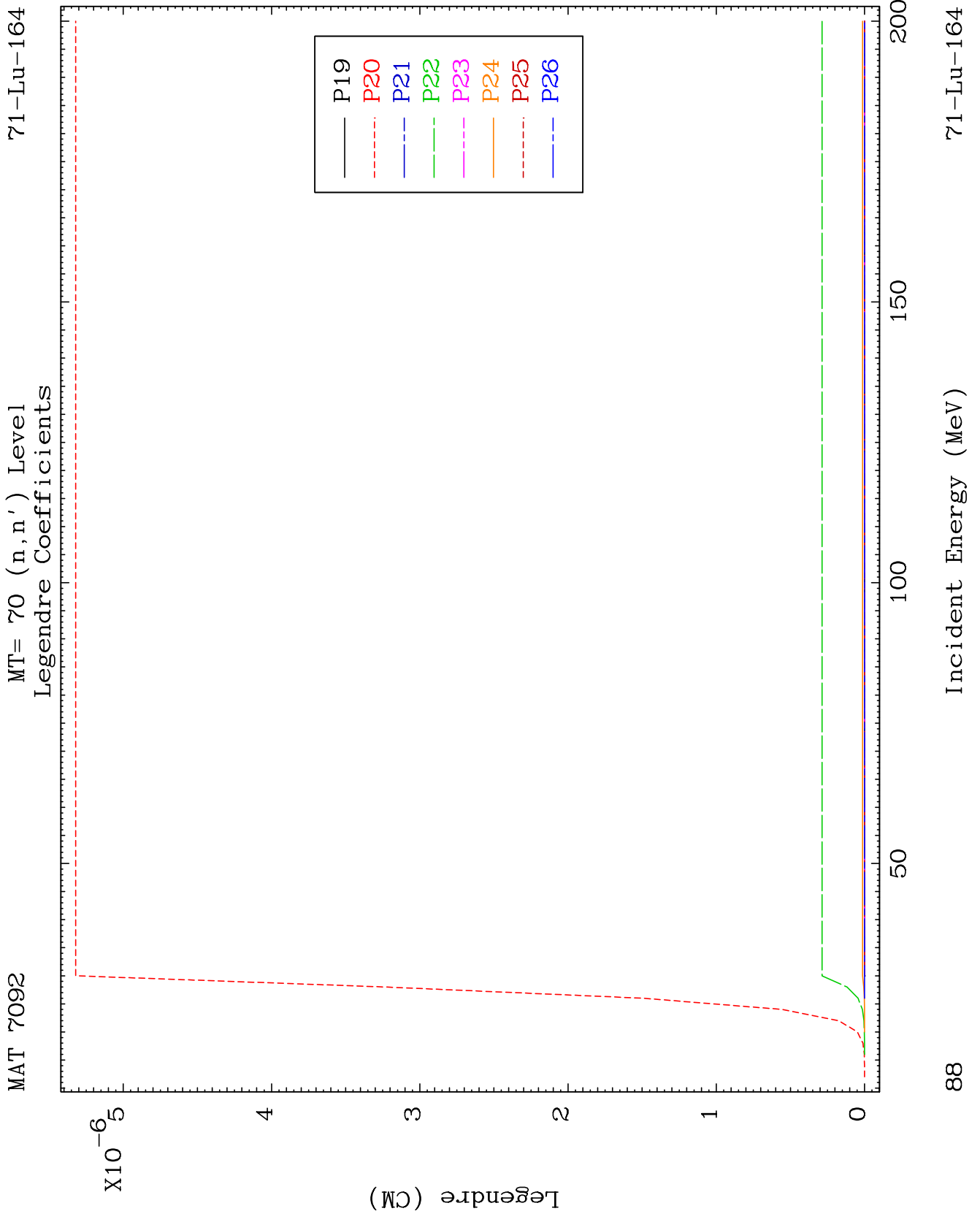
71-Lu-164



87

Incident Energy (MeV)

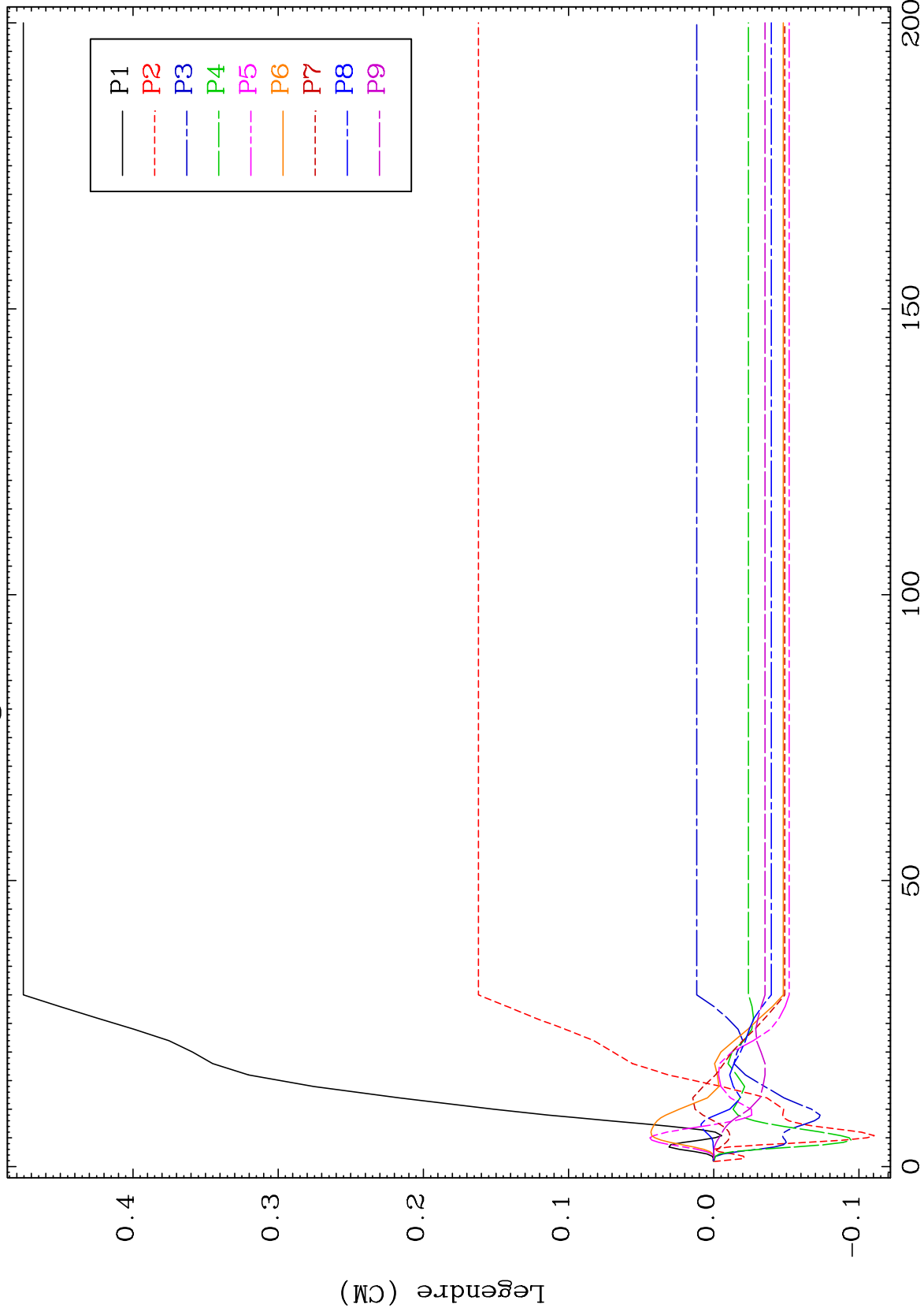
71-Lu-164



MAT 7092

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

71-Lu-164



89

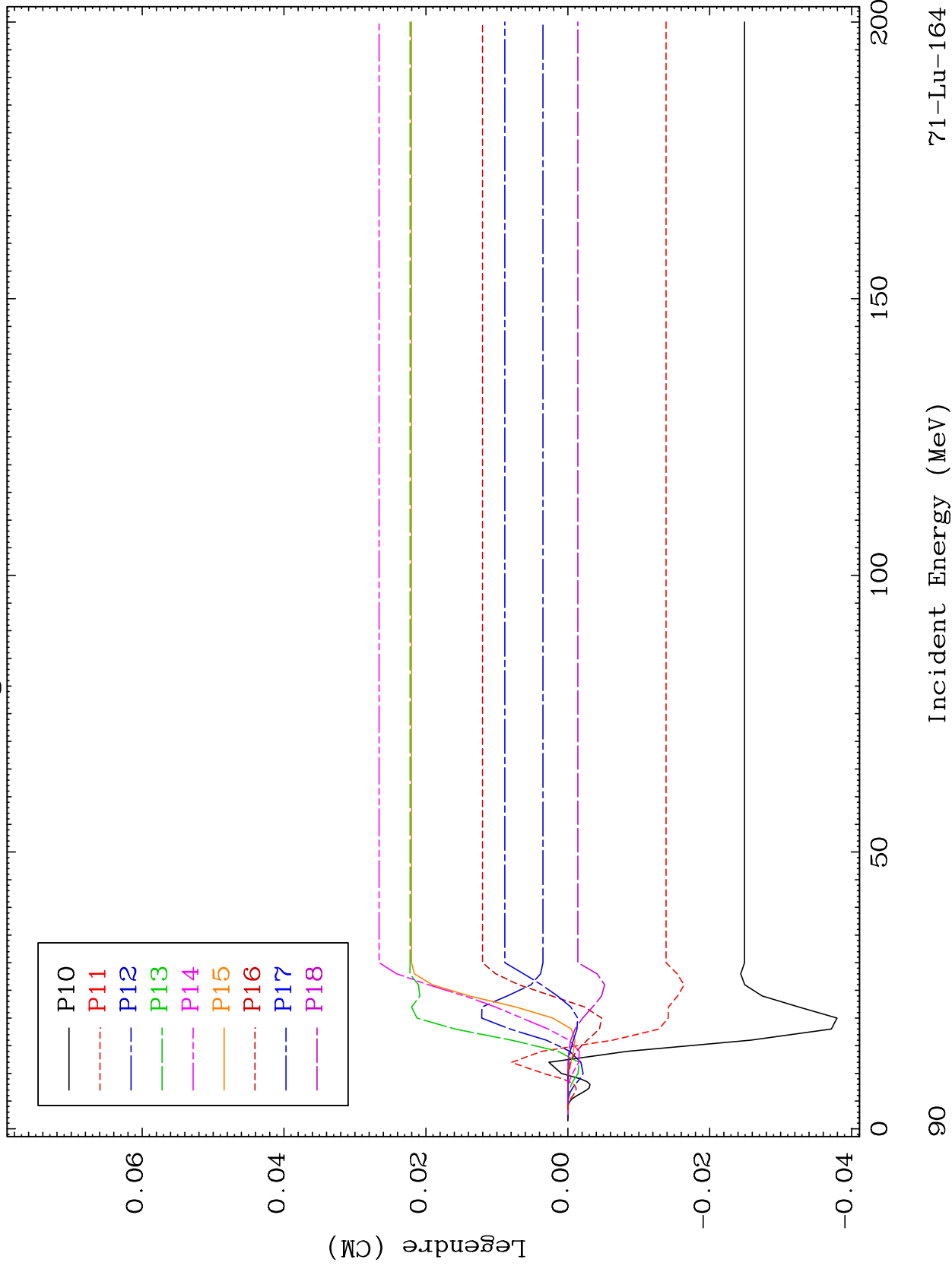
Incident Energy (MeV)

71-Lu-164

MAT 7092

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

71-Lu-164



71-Lu-164

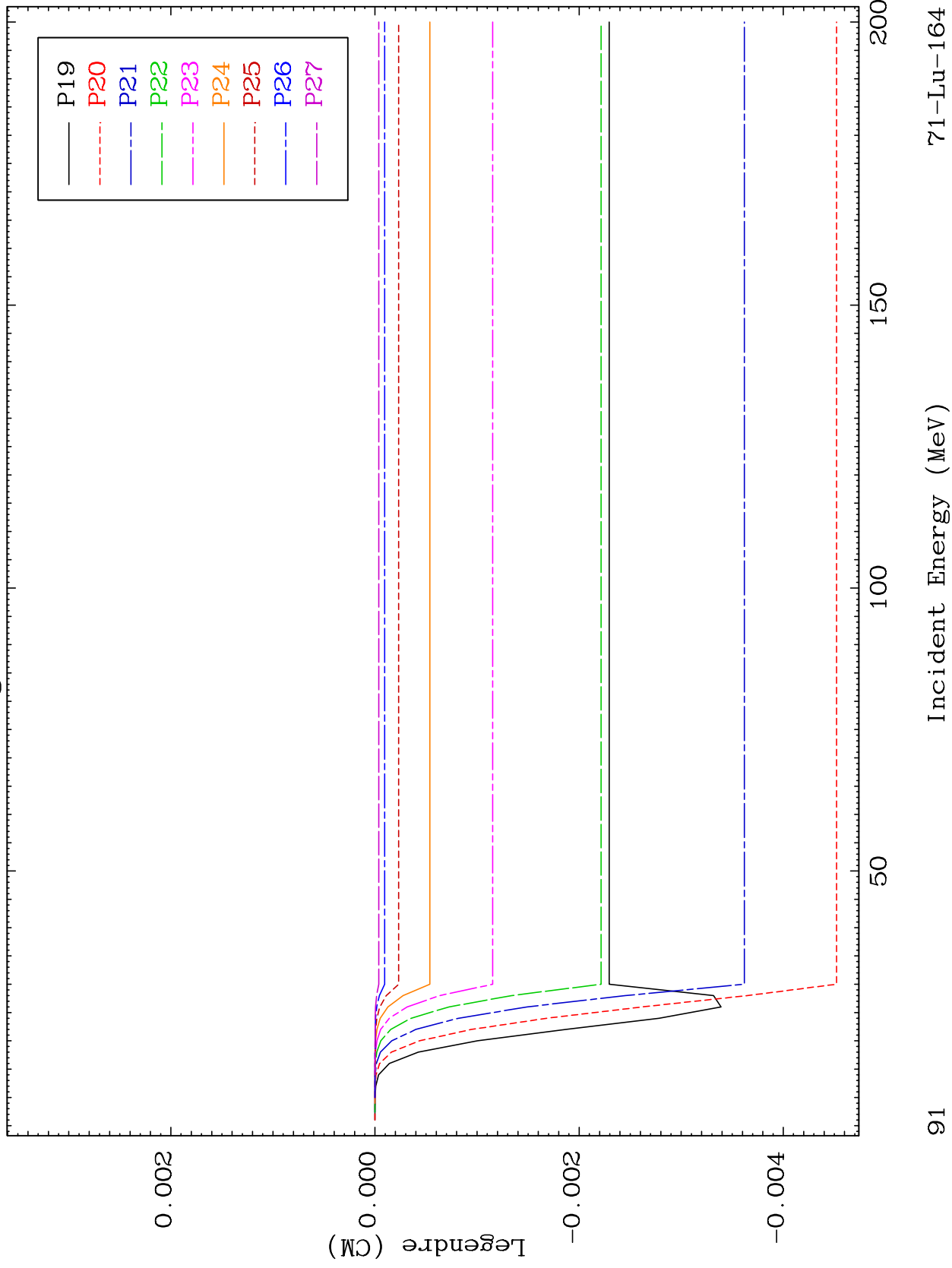
Incident Energy (MeV)

90

MAT 7092

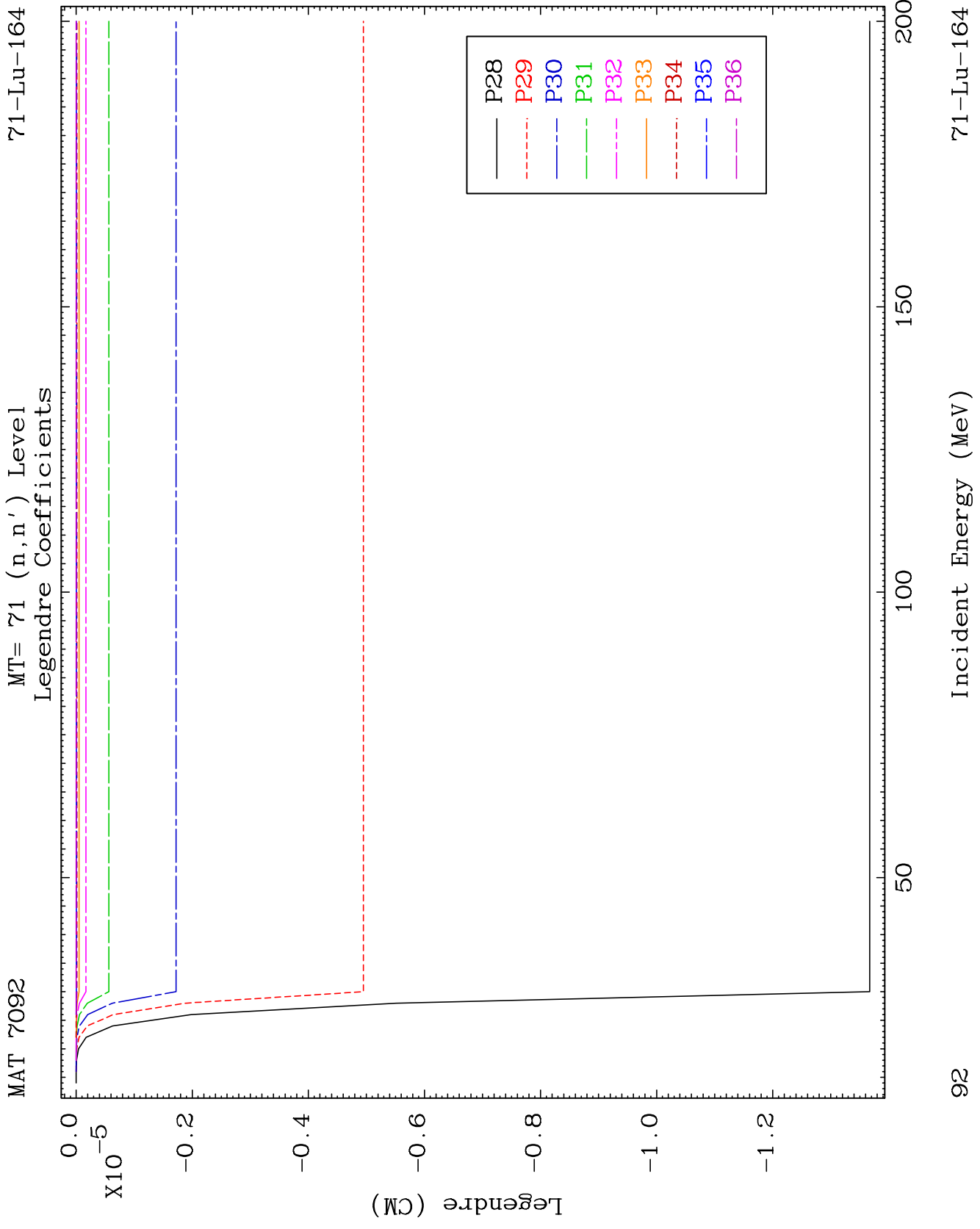
MT= 71 (n,n') Level
Legendre Coefficients

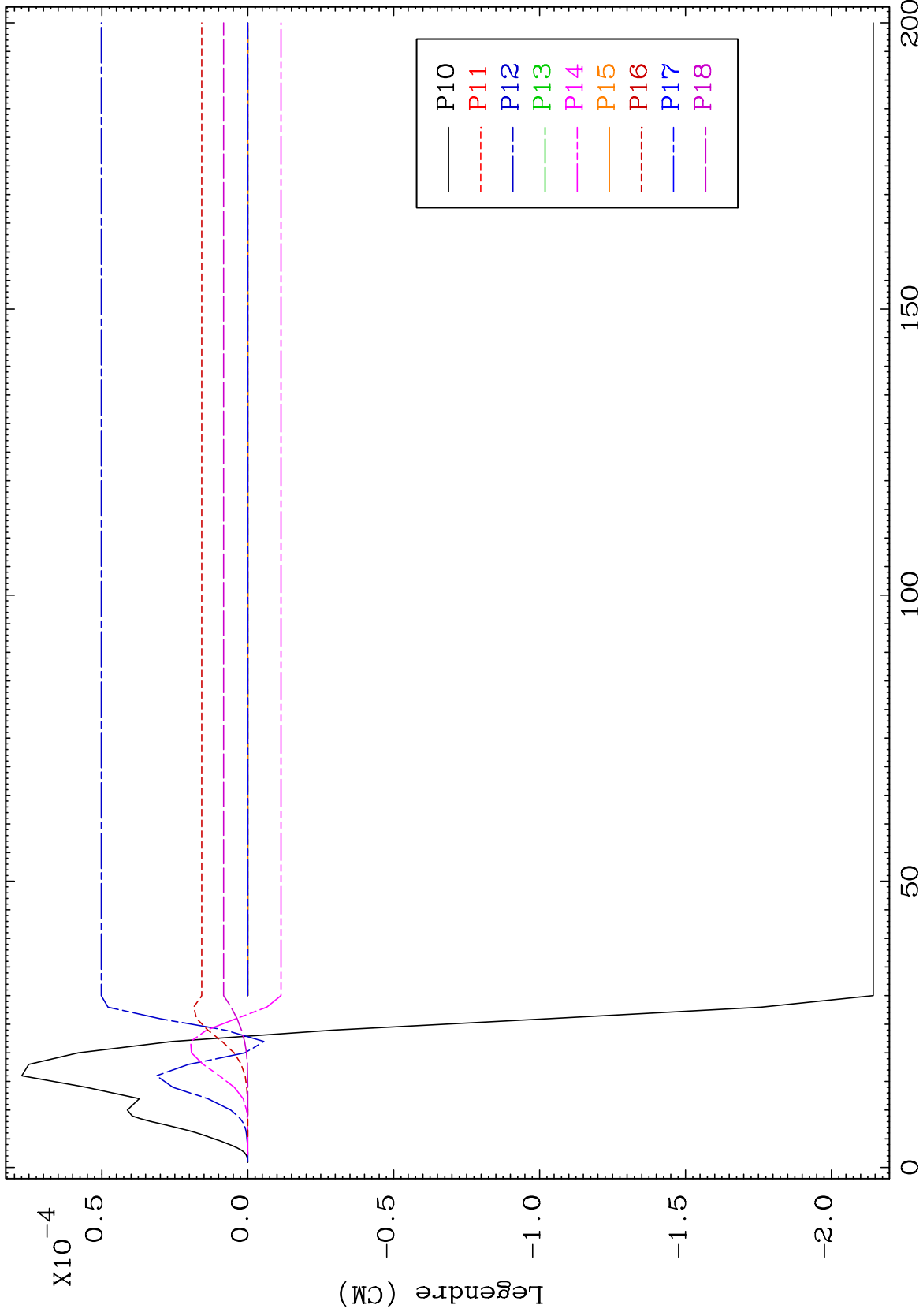
71-Lu-164

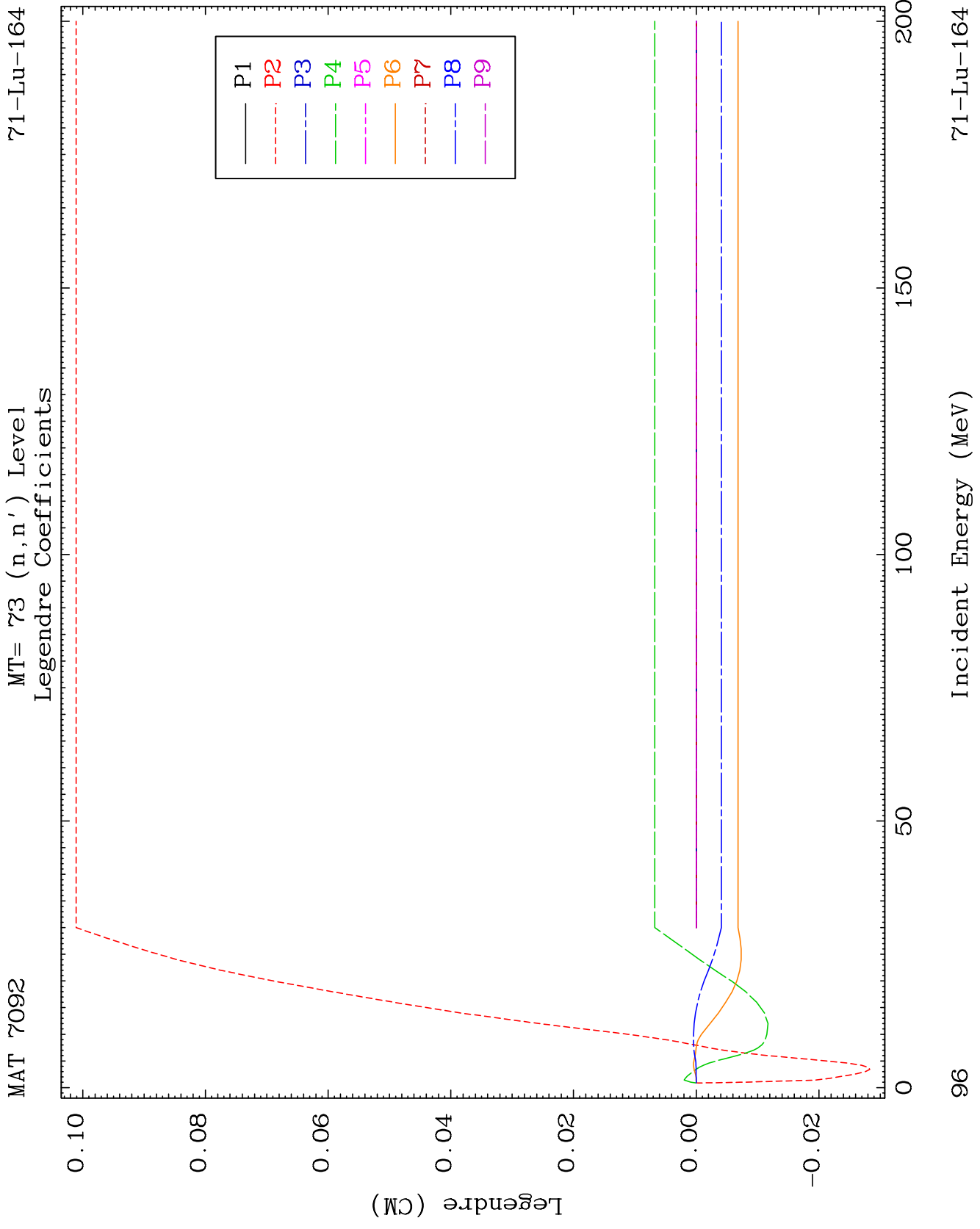


91

71-Lu-164



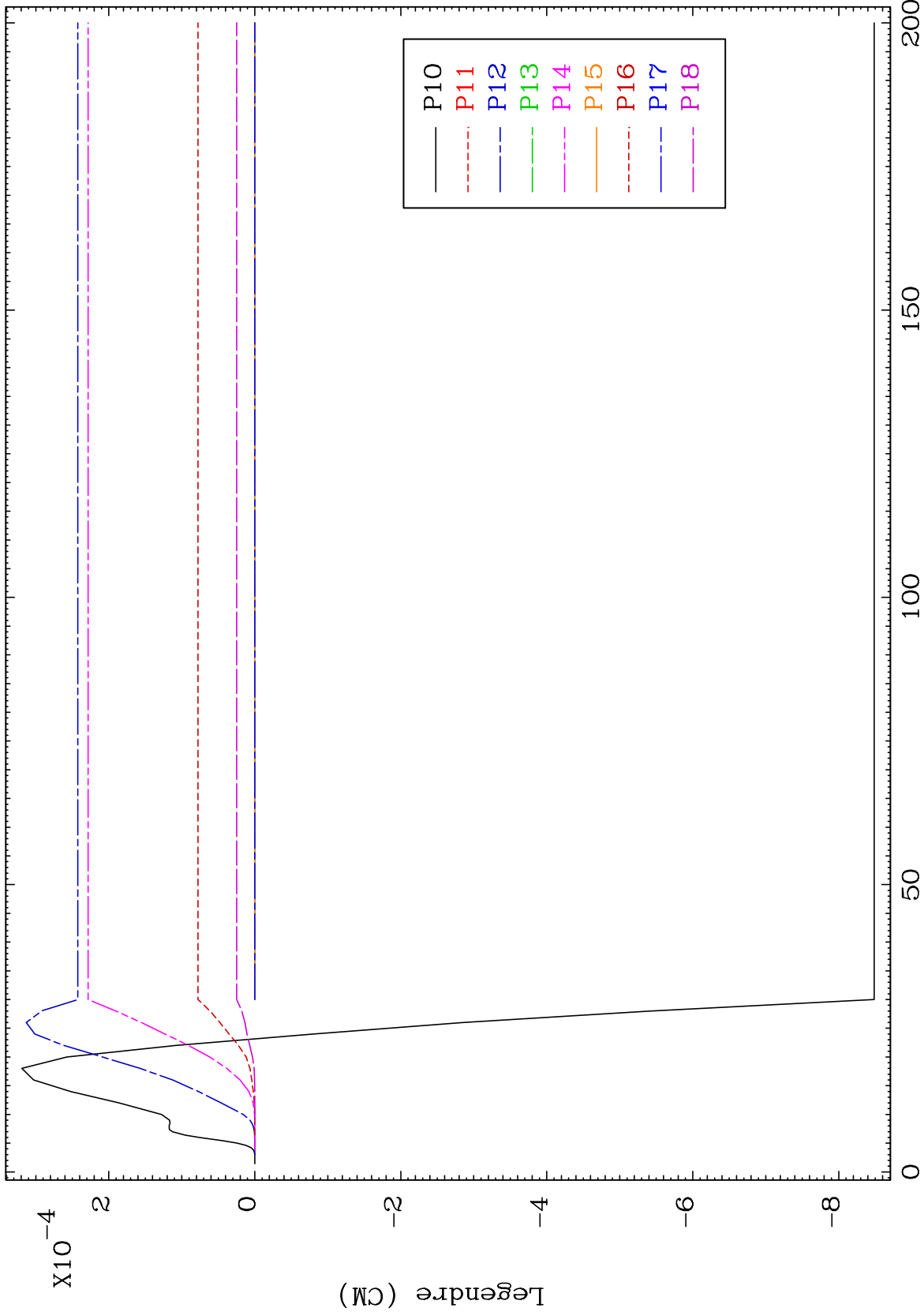




MAT 7092

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

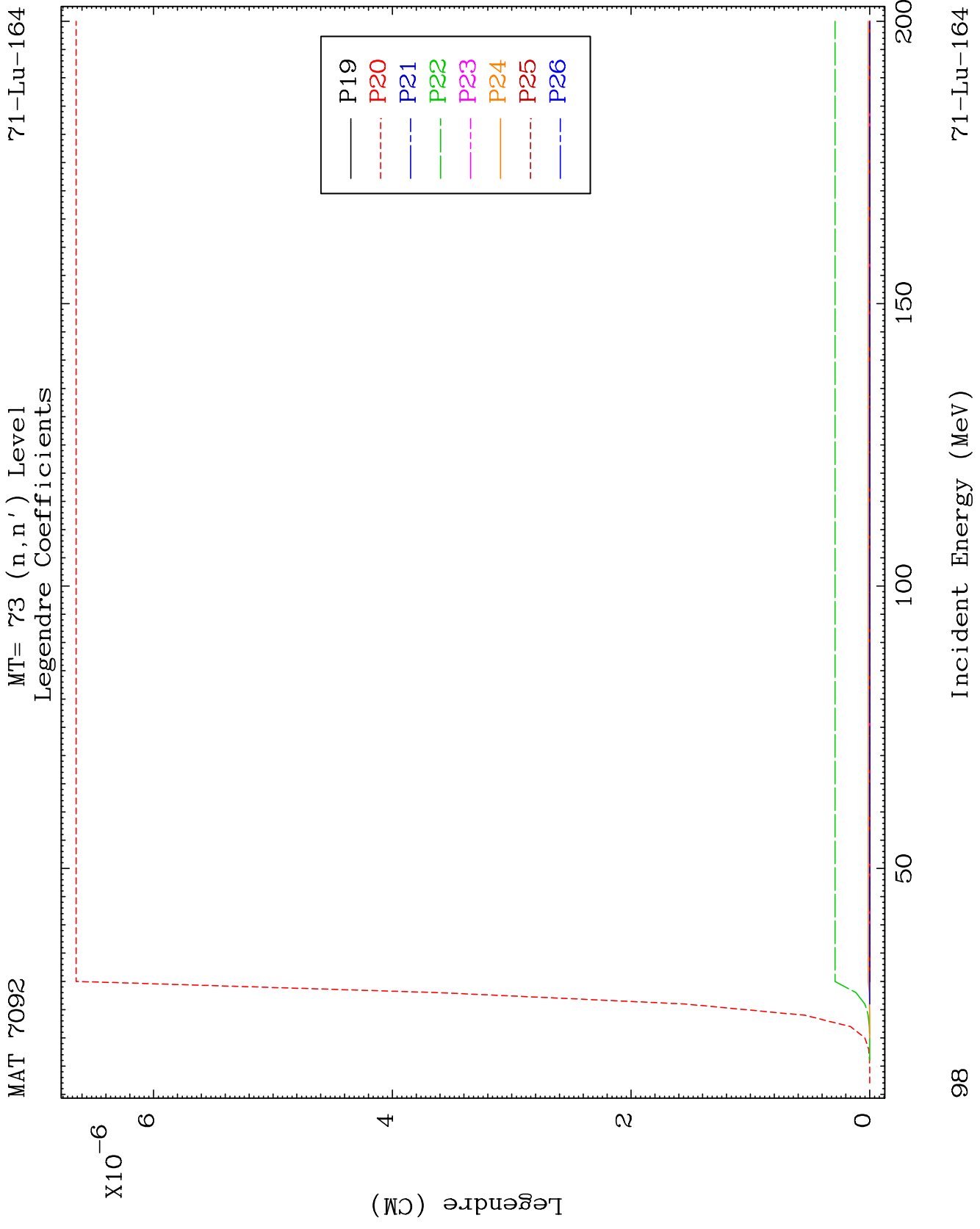
71-Lu-164

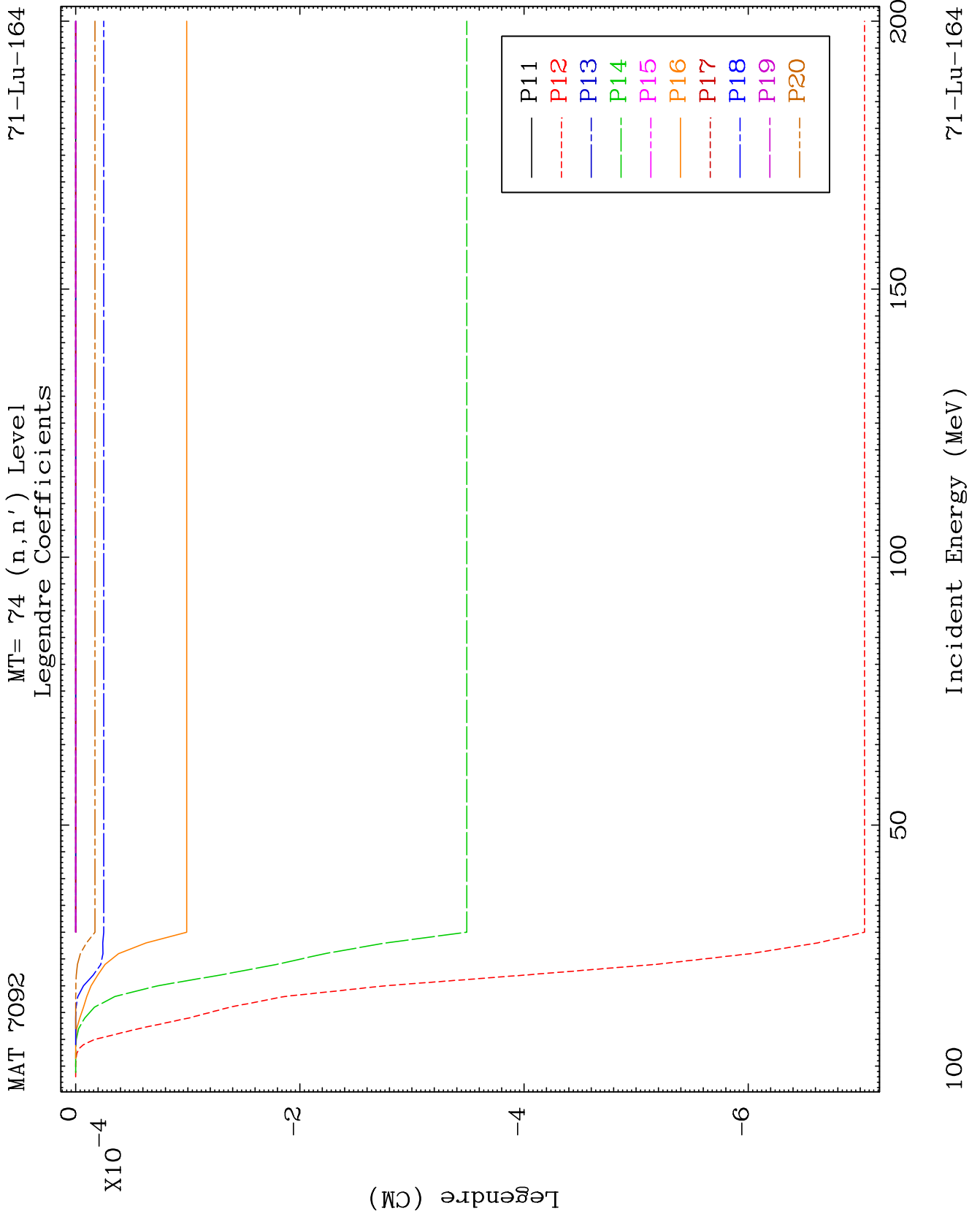


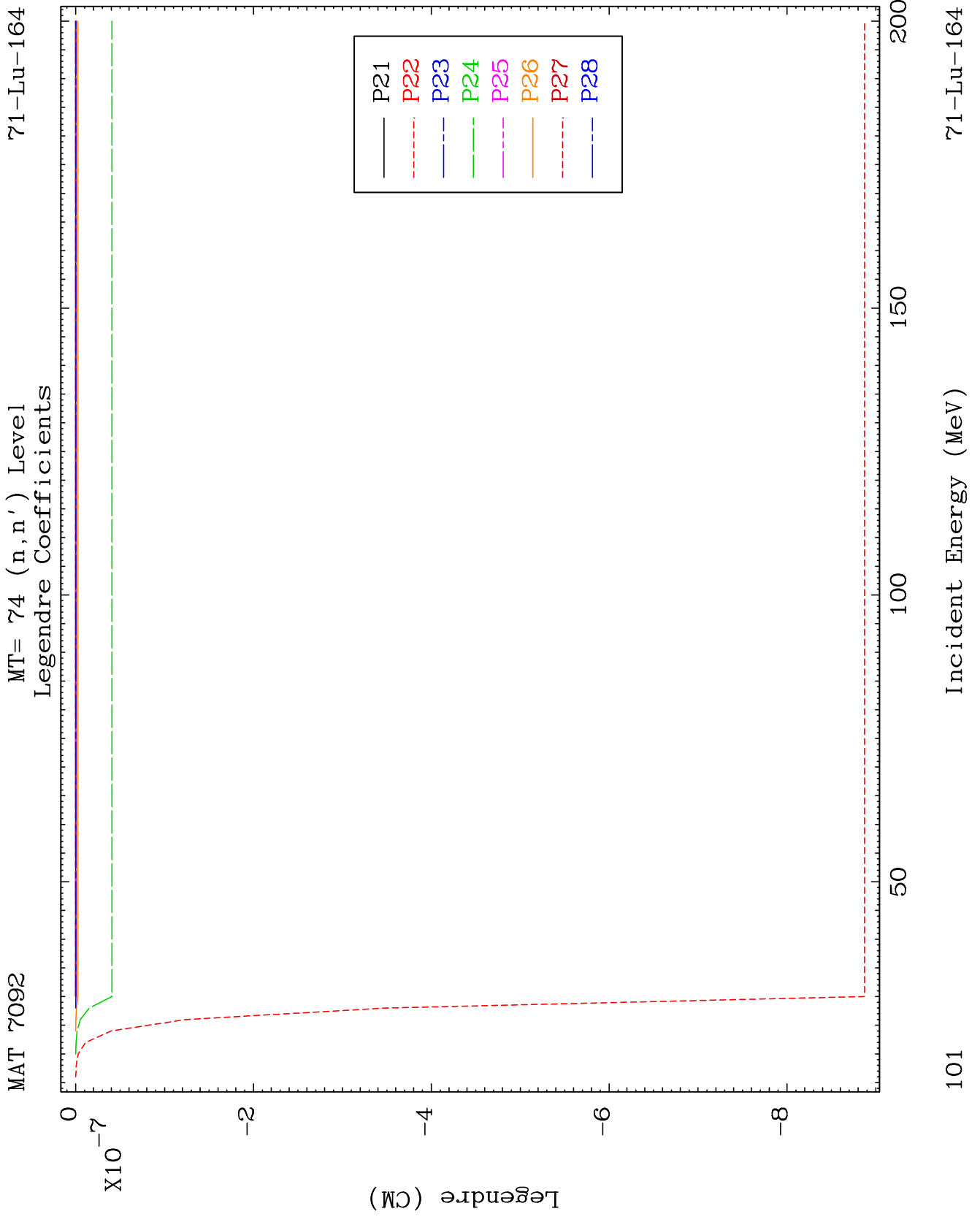
97

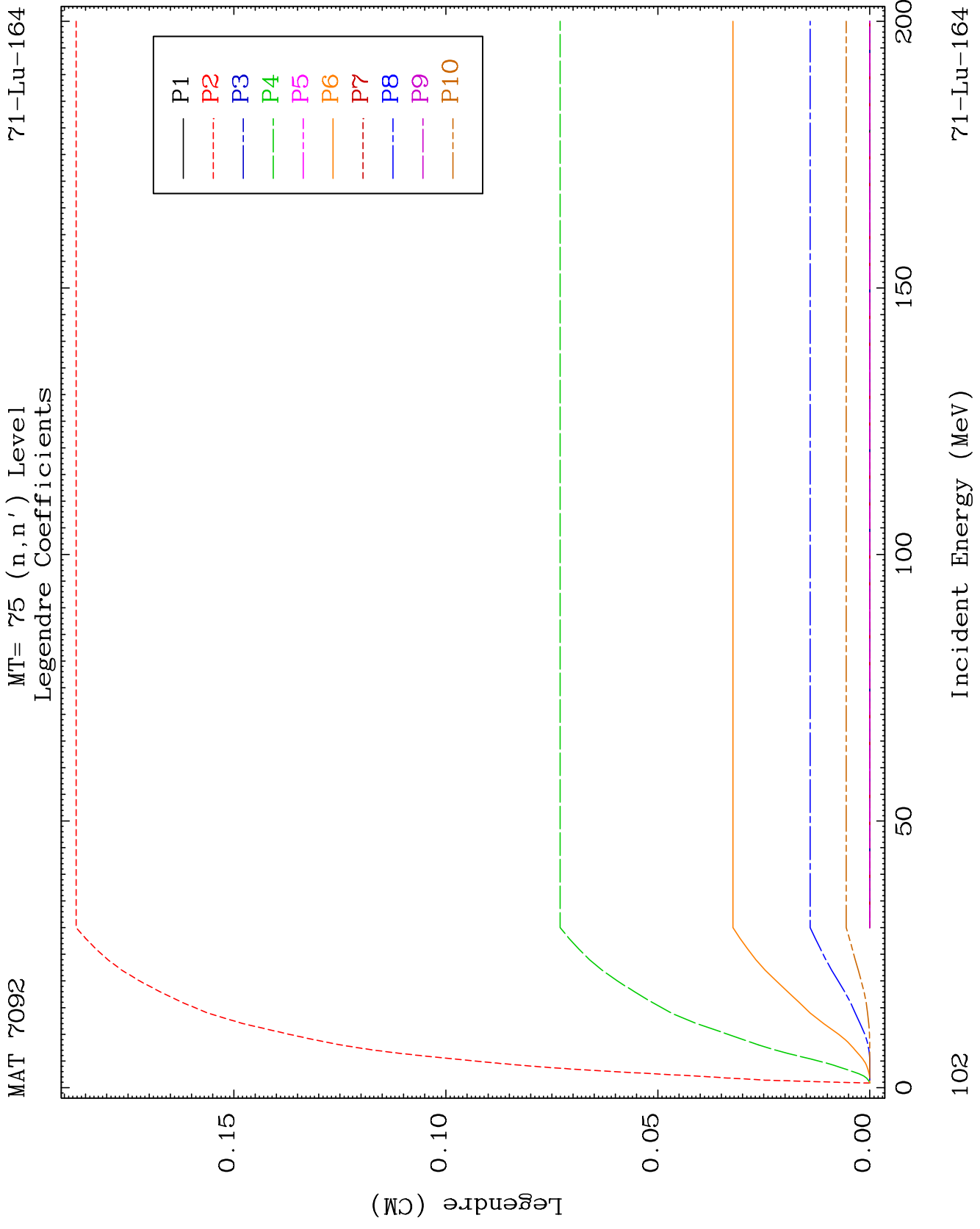
Incident Energy (MeV)

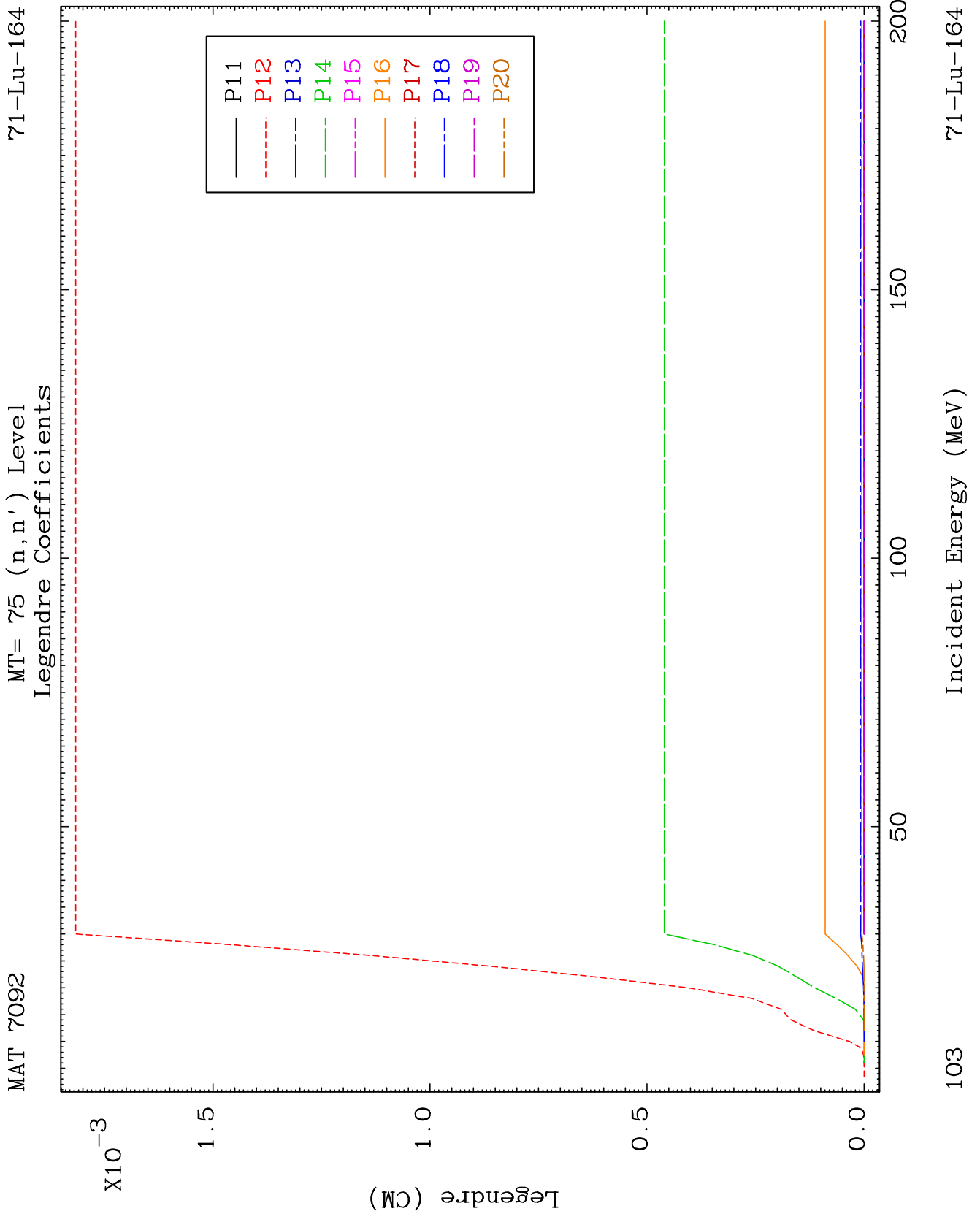
71-Lu-164

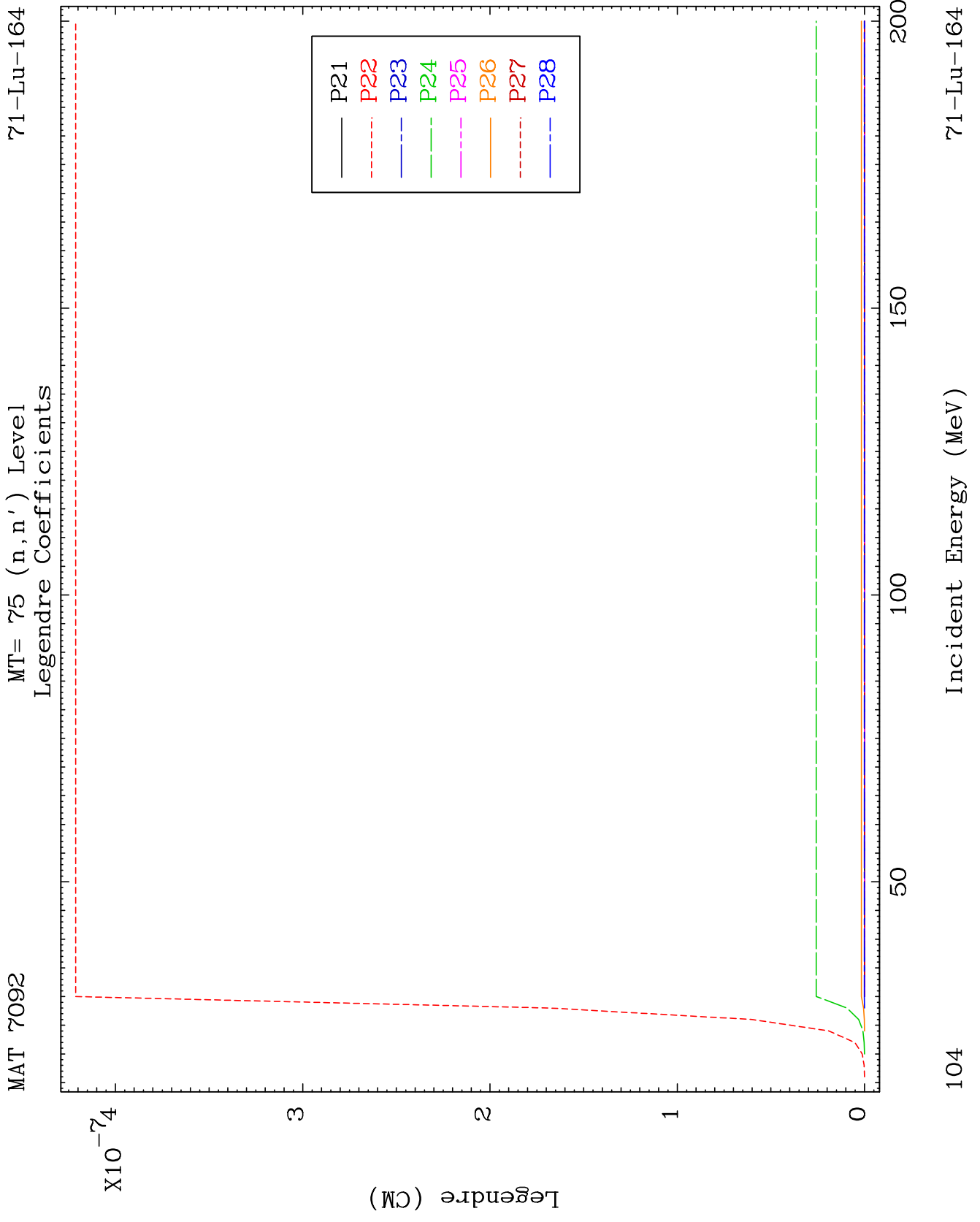


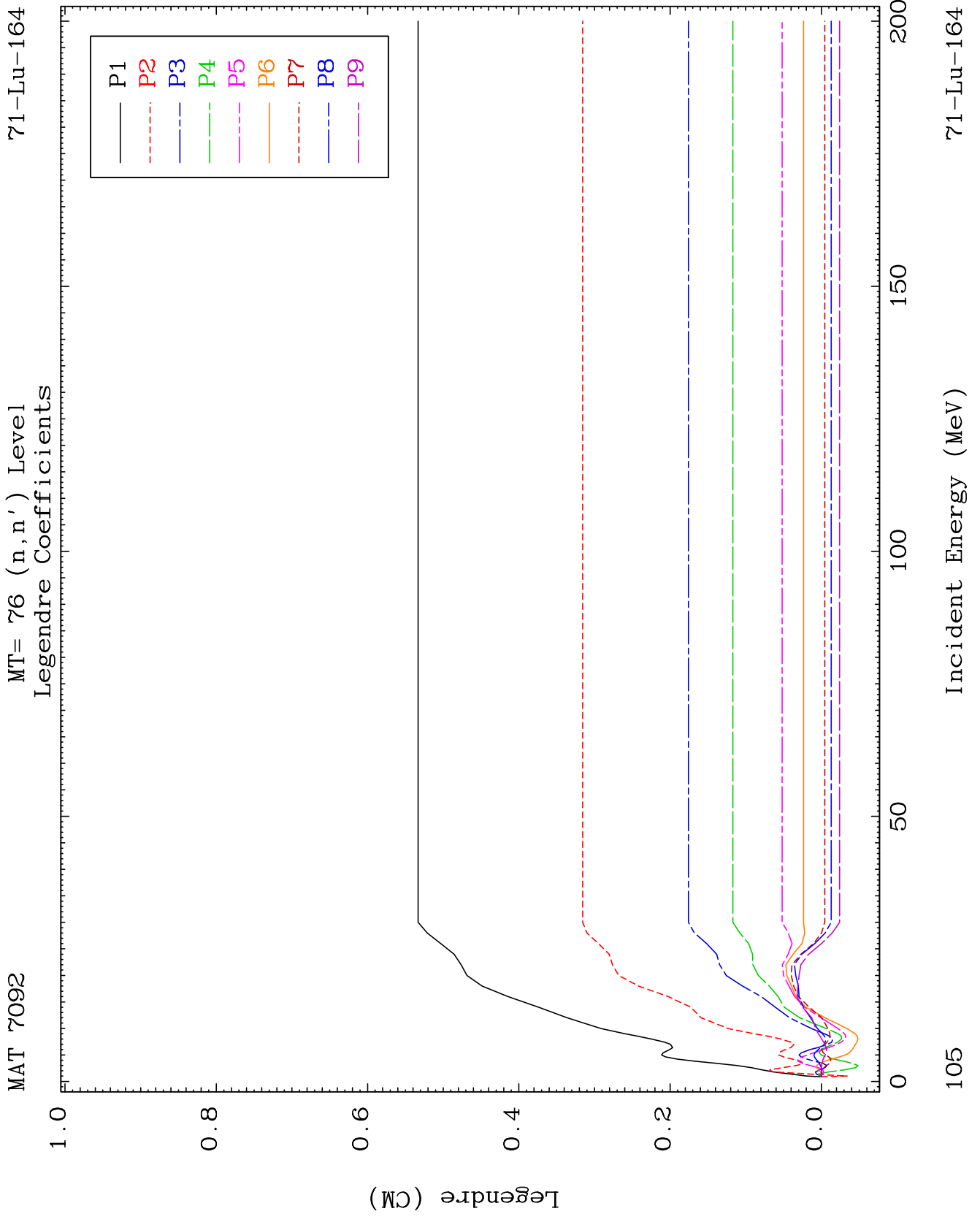








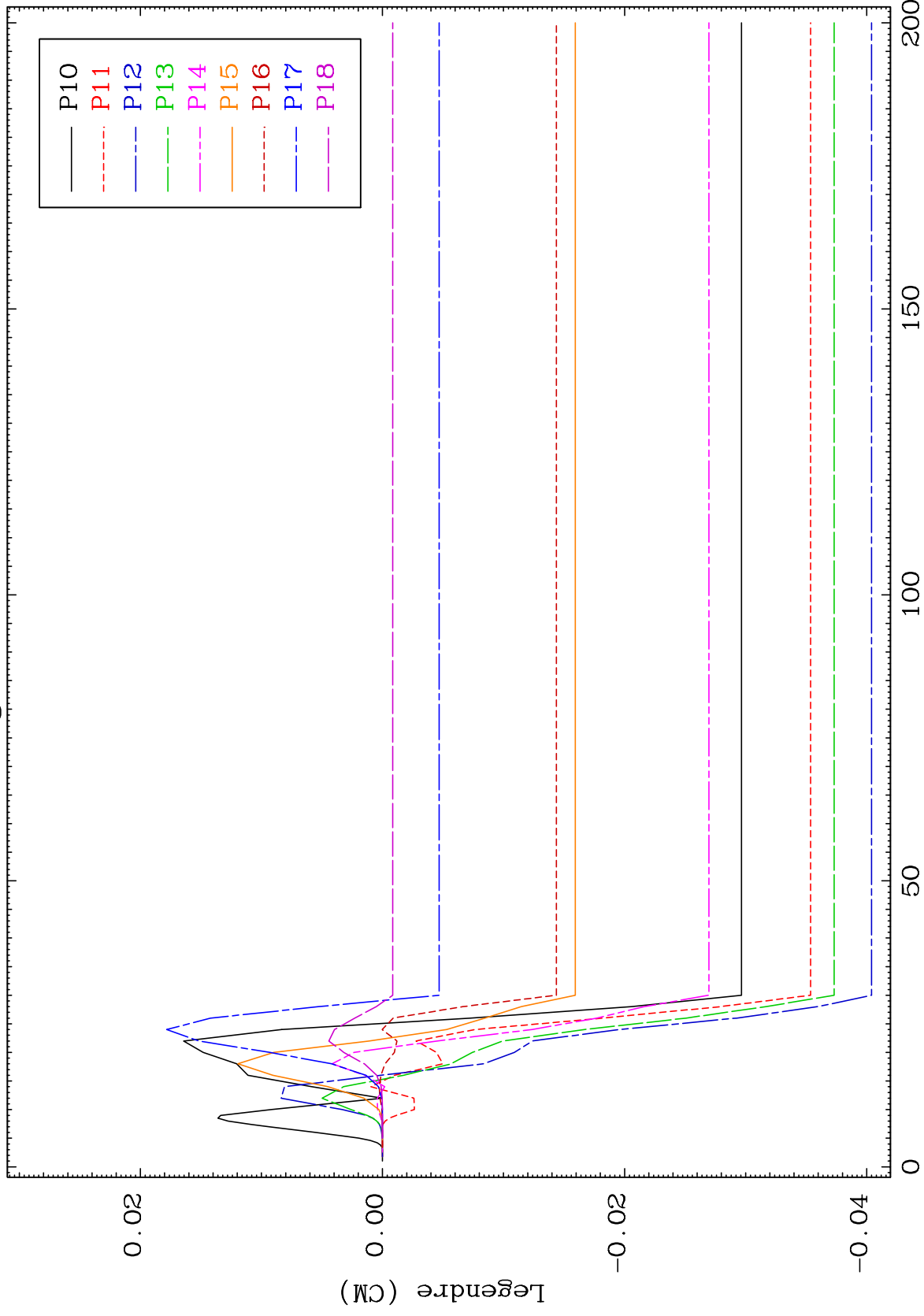




MAT 7092

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

71-Lu-164



106

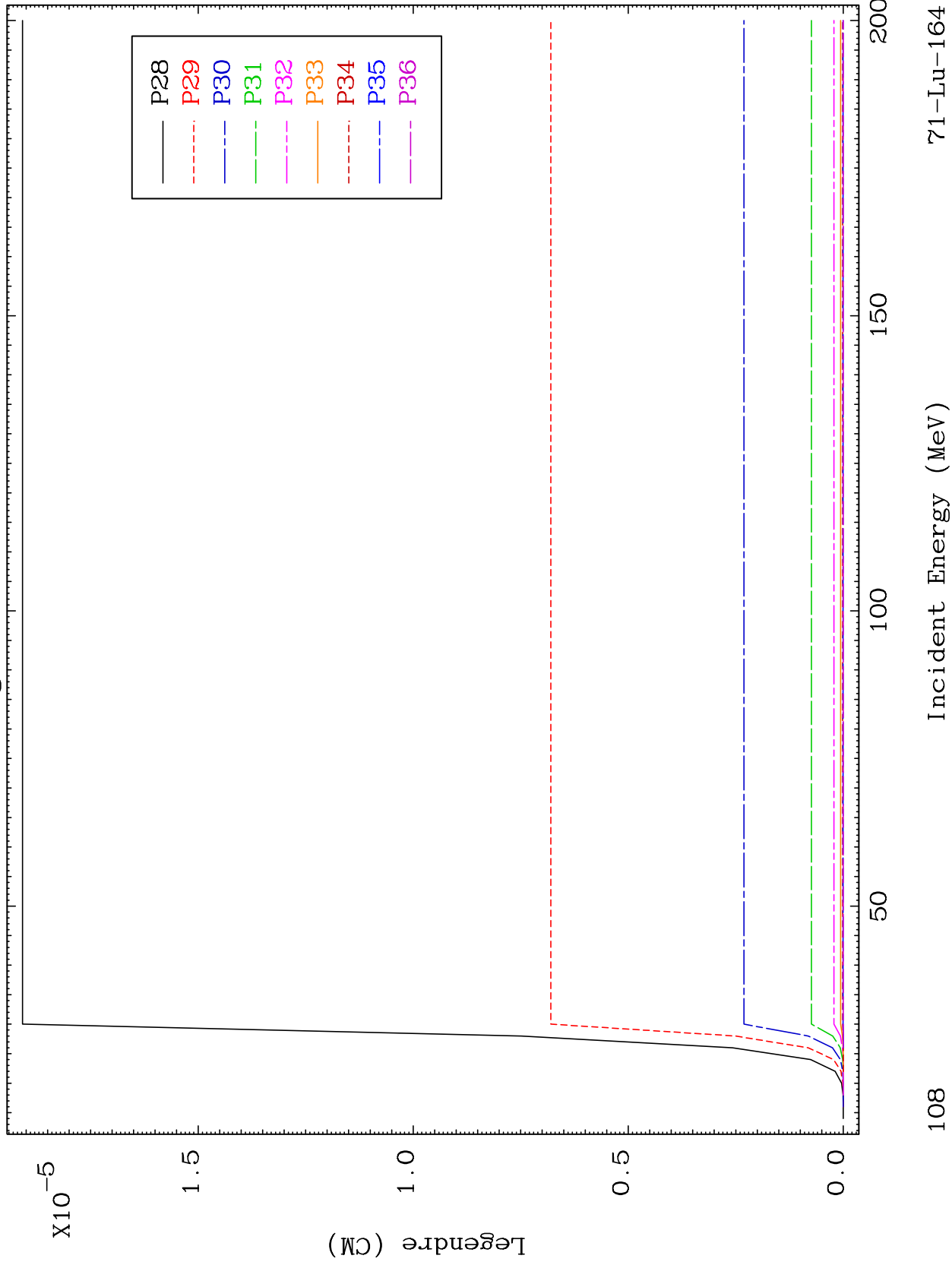
Incident Energy (MeV)

71-Lu-164

MAT 7092

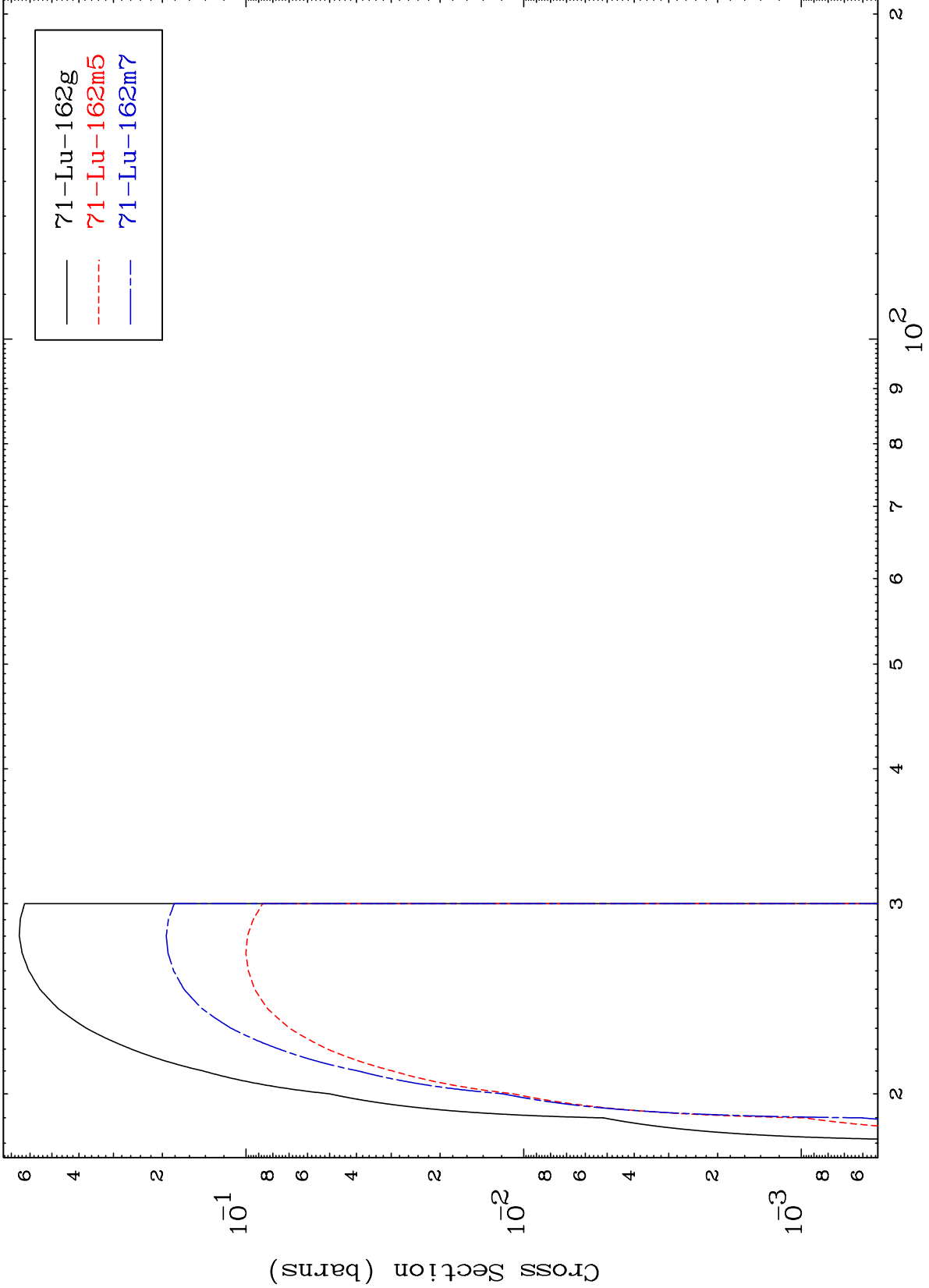
MT= 76 (n,n') Level
Legendre Coefficients

71-Lu-164



108

Radionuclide Production Cross Section

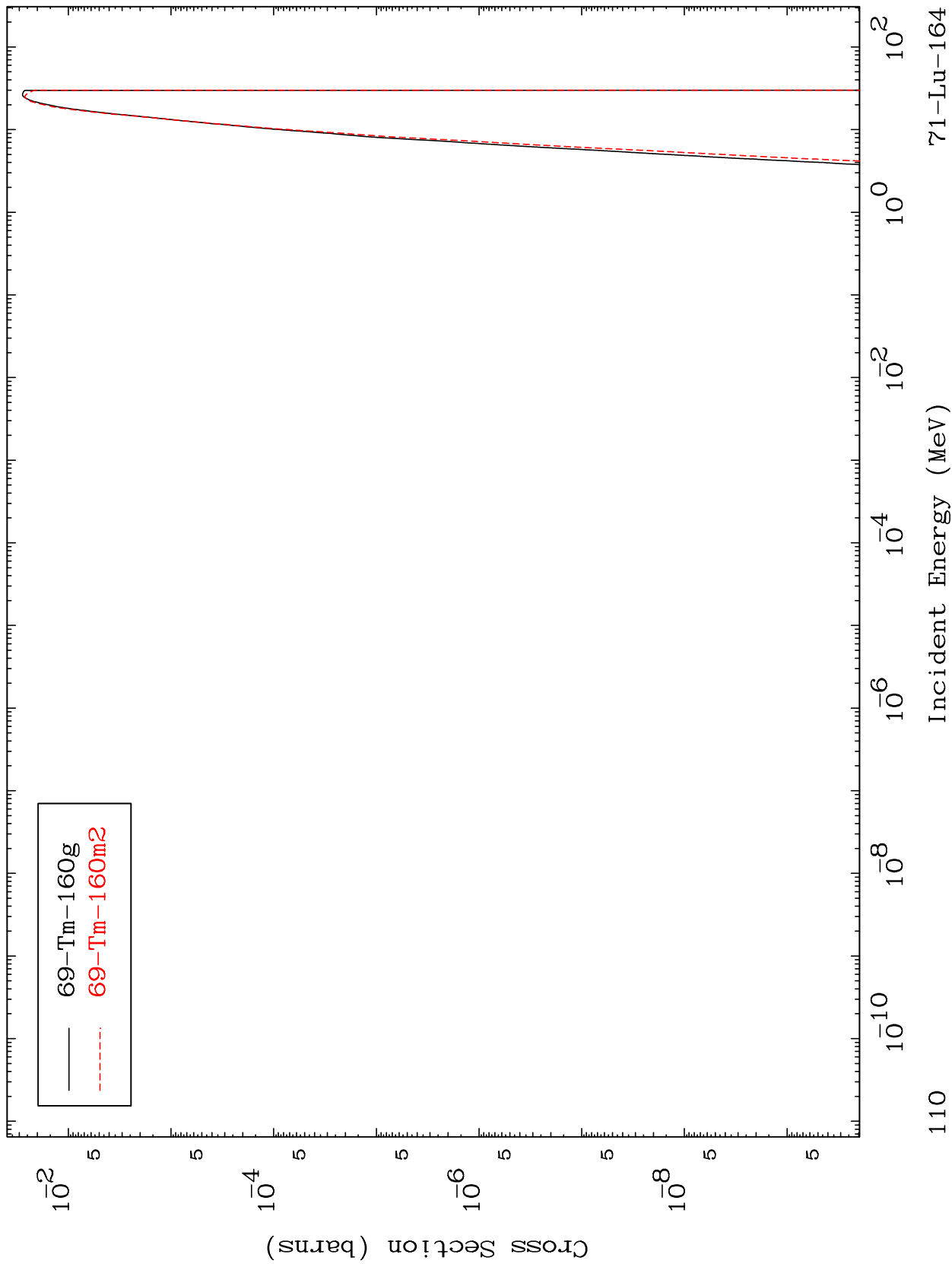


MAT 7092

(n, n') α

$^{71}\text{Lu-164}$

Radionuclide Production Cross Section



110

Incident Energy (MeV)

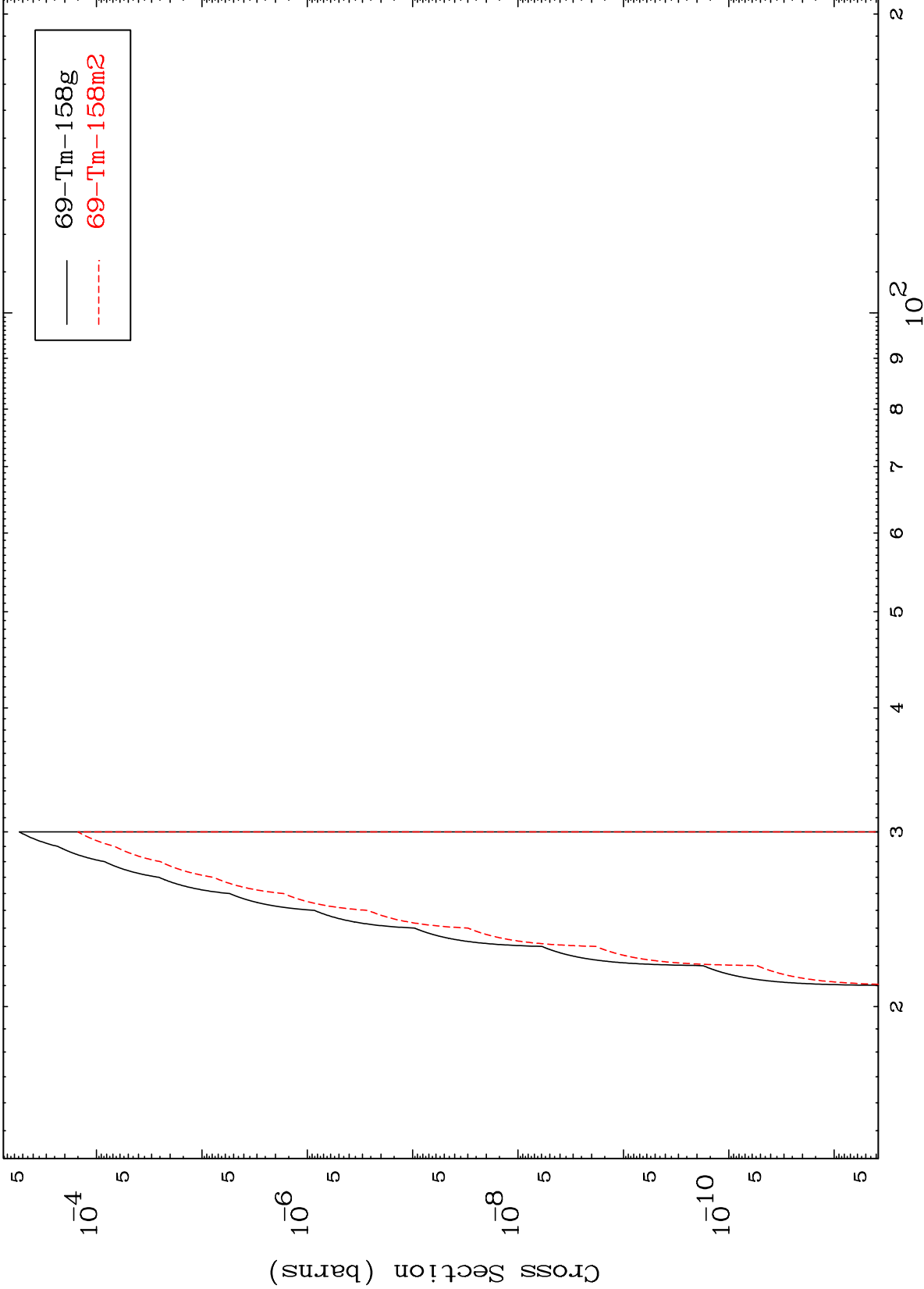
$^{71}\text{Lu-164}$

MAT 7092

$(n,3n) \alpha$

71-Lu-164

Radionuclide Production Cross Section



69-Tm-158g
69-Tm-158m2

111

Incident Energy (MeV)

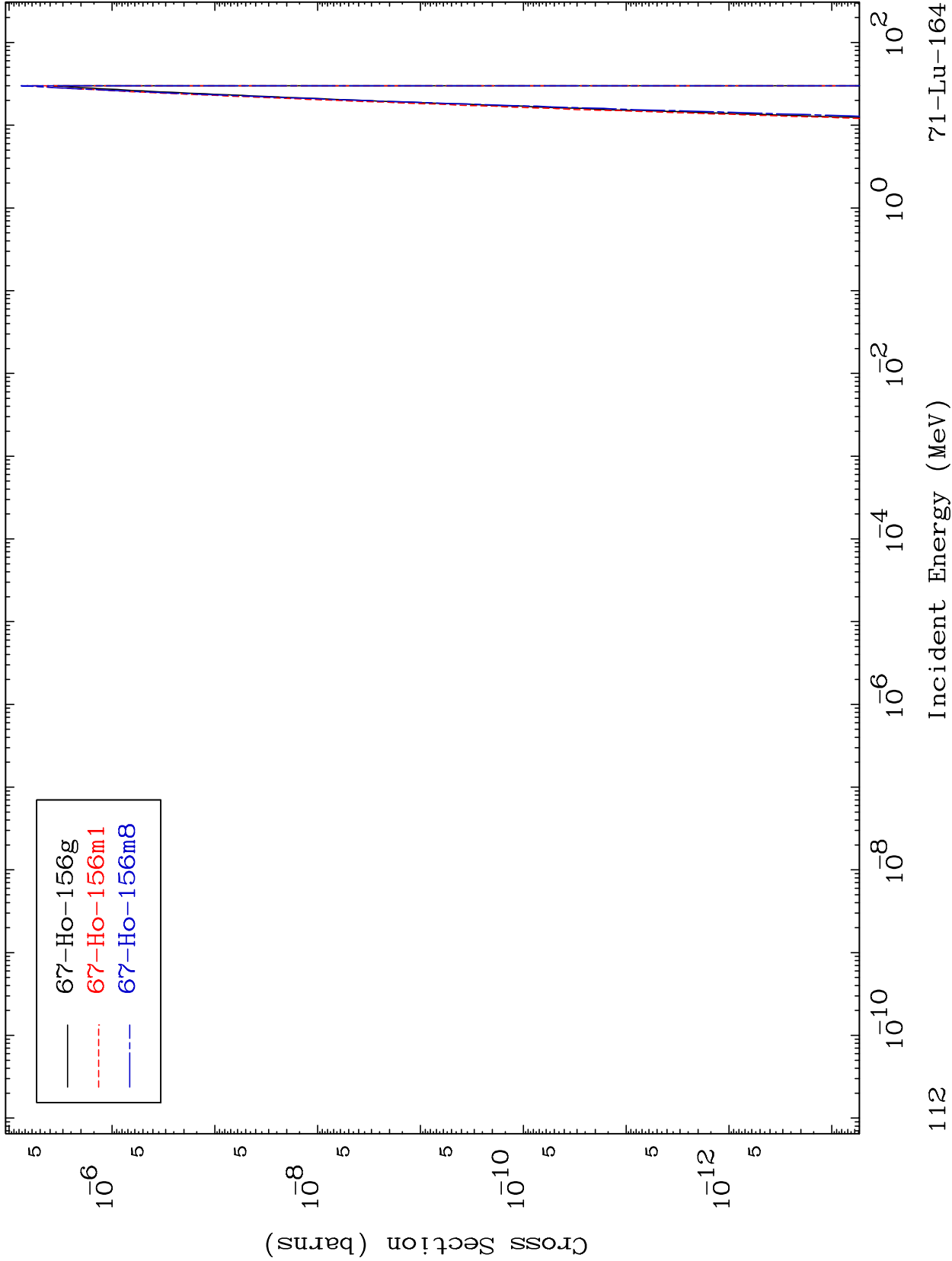
71-Lu-164

MAT 7092

(n,n') 2α

71-Lu-164

Radionuclide Production Cross Section

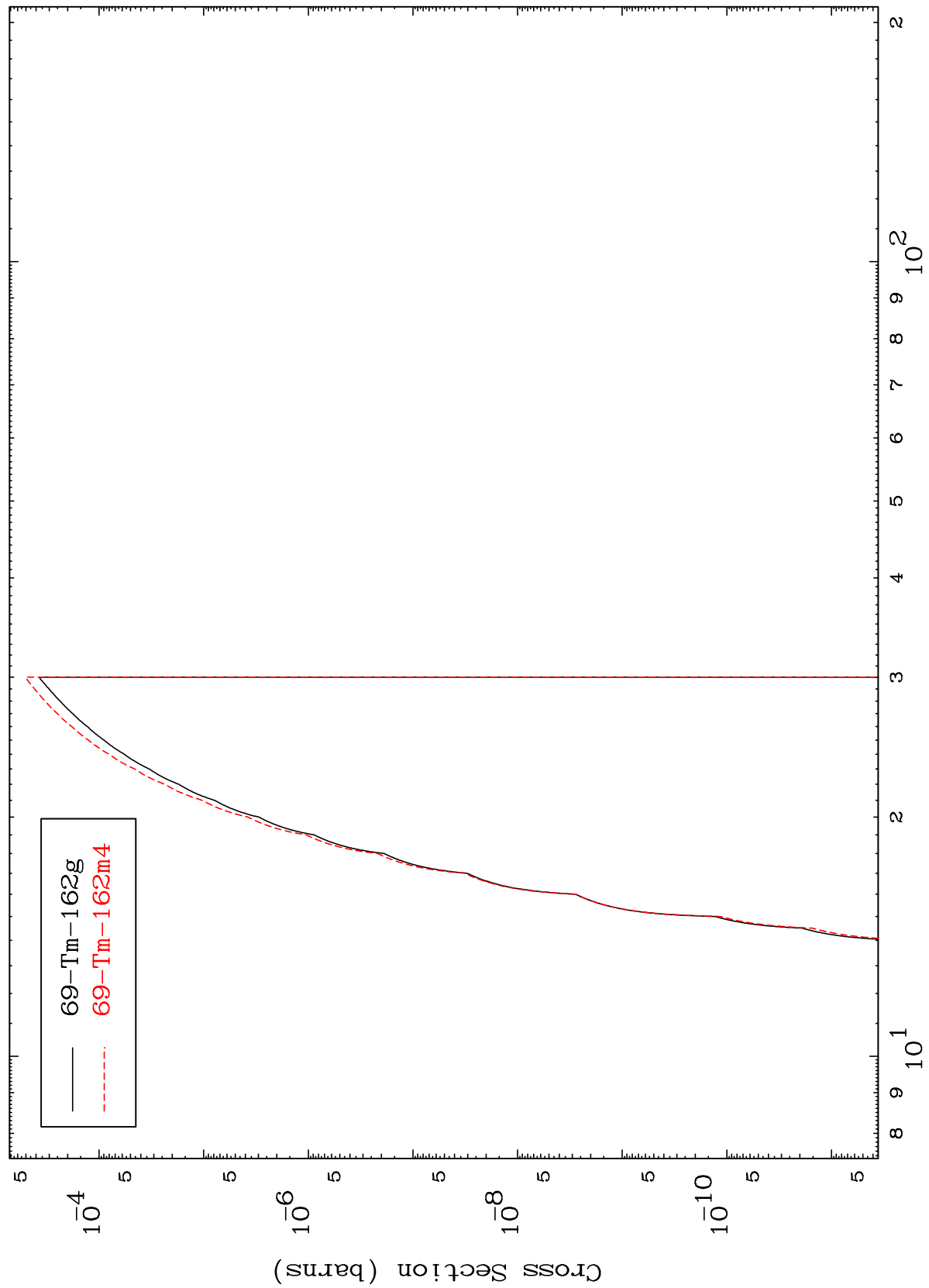


MAT 7092

(n,2n) p

71-Lu-164

Radionuclide Production Cross Section



113

Incident Energy (MeV)

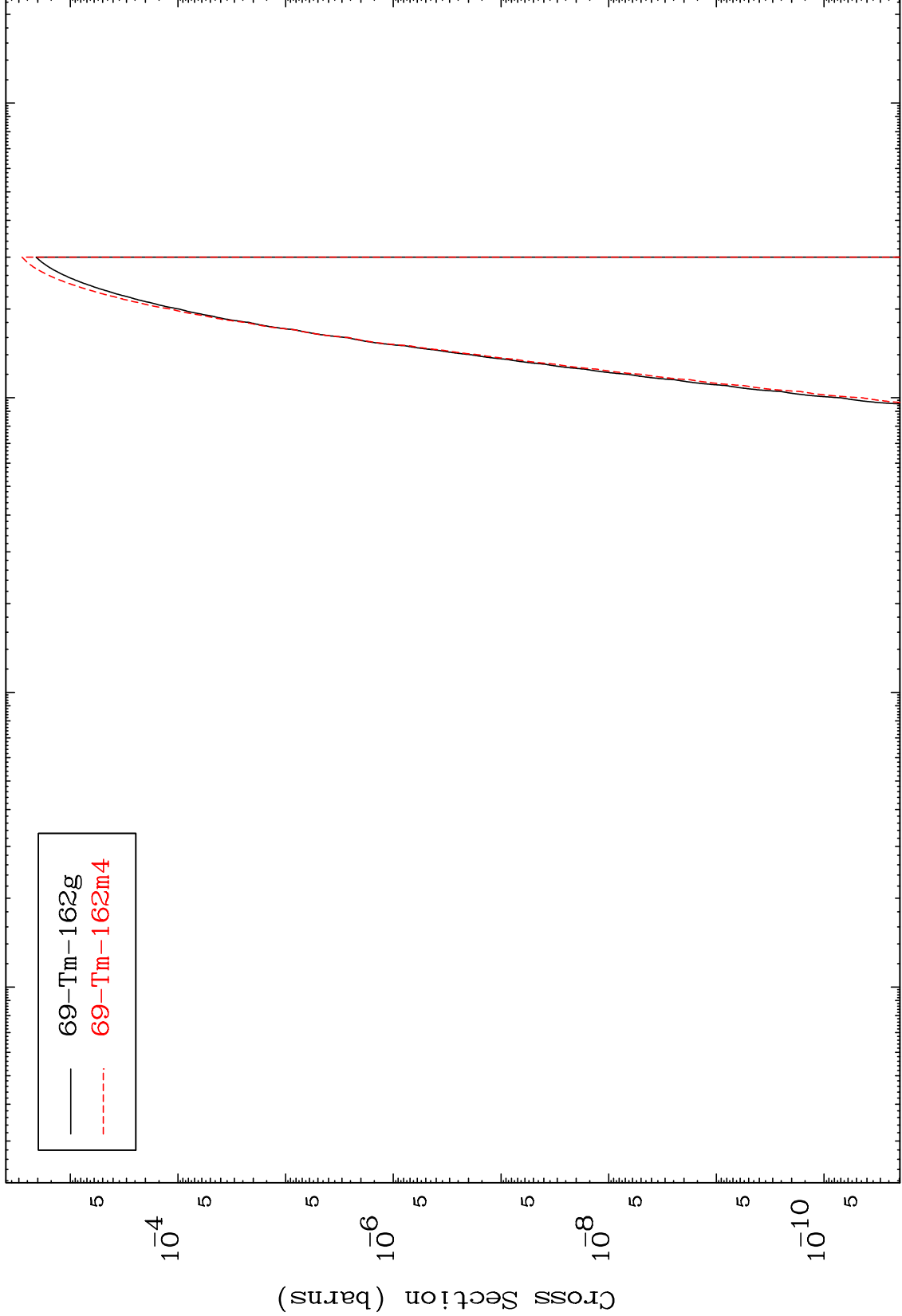
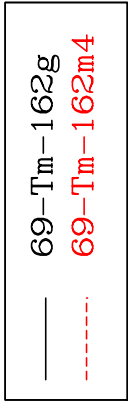
71-Lu-164

MAT 7092

(n,He-3)

71-Lu-164

Radionuclide Production Cross Section



114

Incident Energy (MeV)

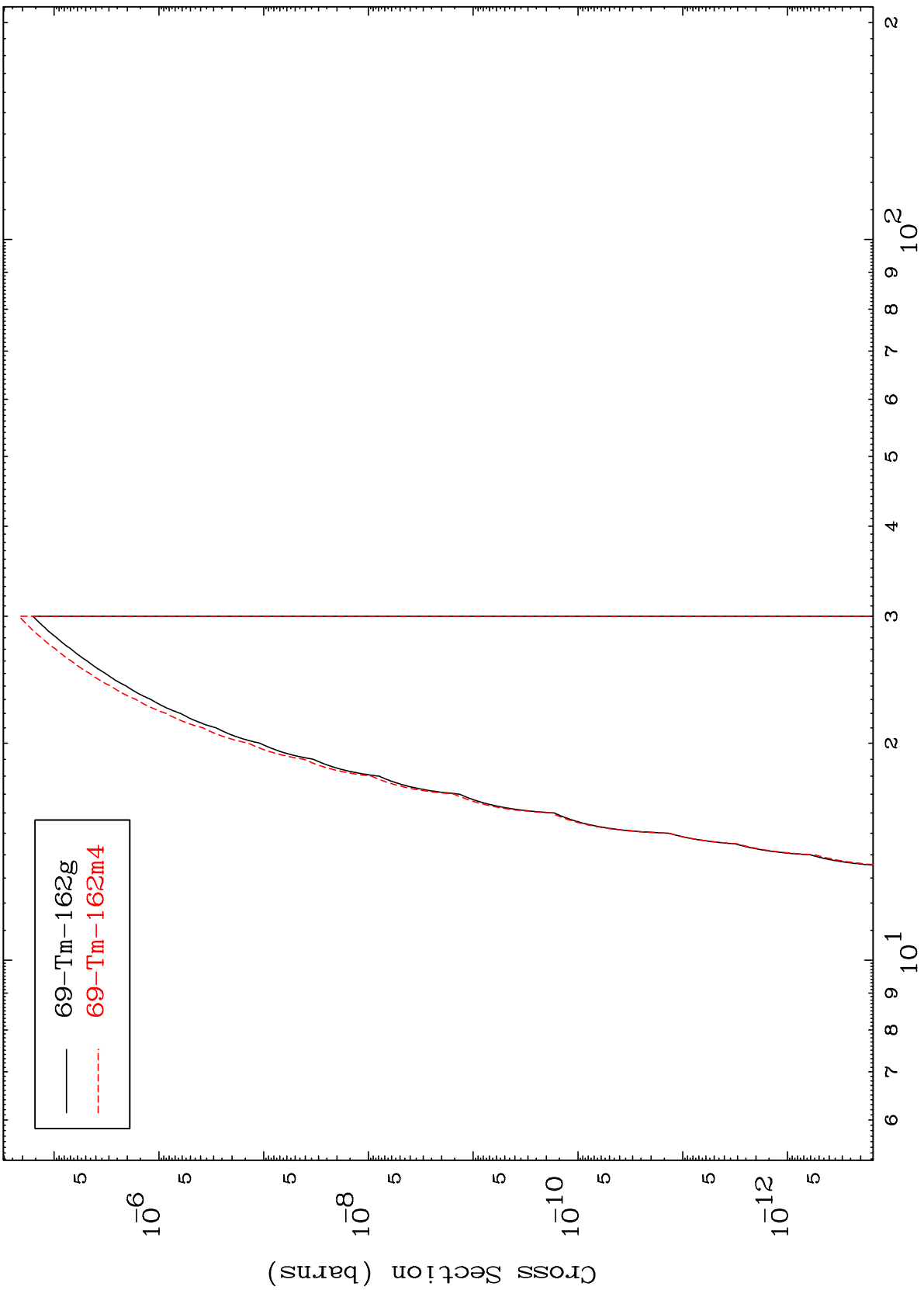
71-Lu-164

MAT 7092

(n,p) d

⁷¹Lu-164

Radionuclide Production Cross Section



115

Incident Energy (MeV)

⁷¹Lu-164