

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

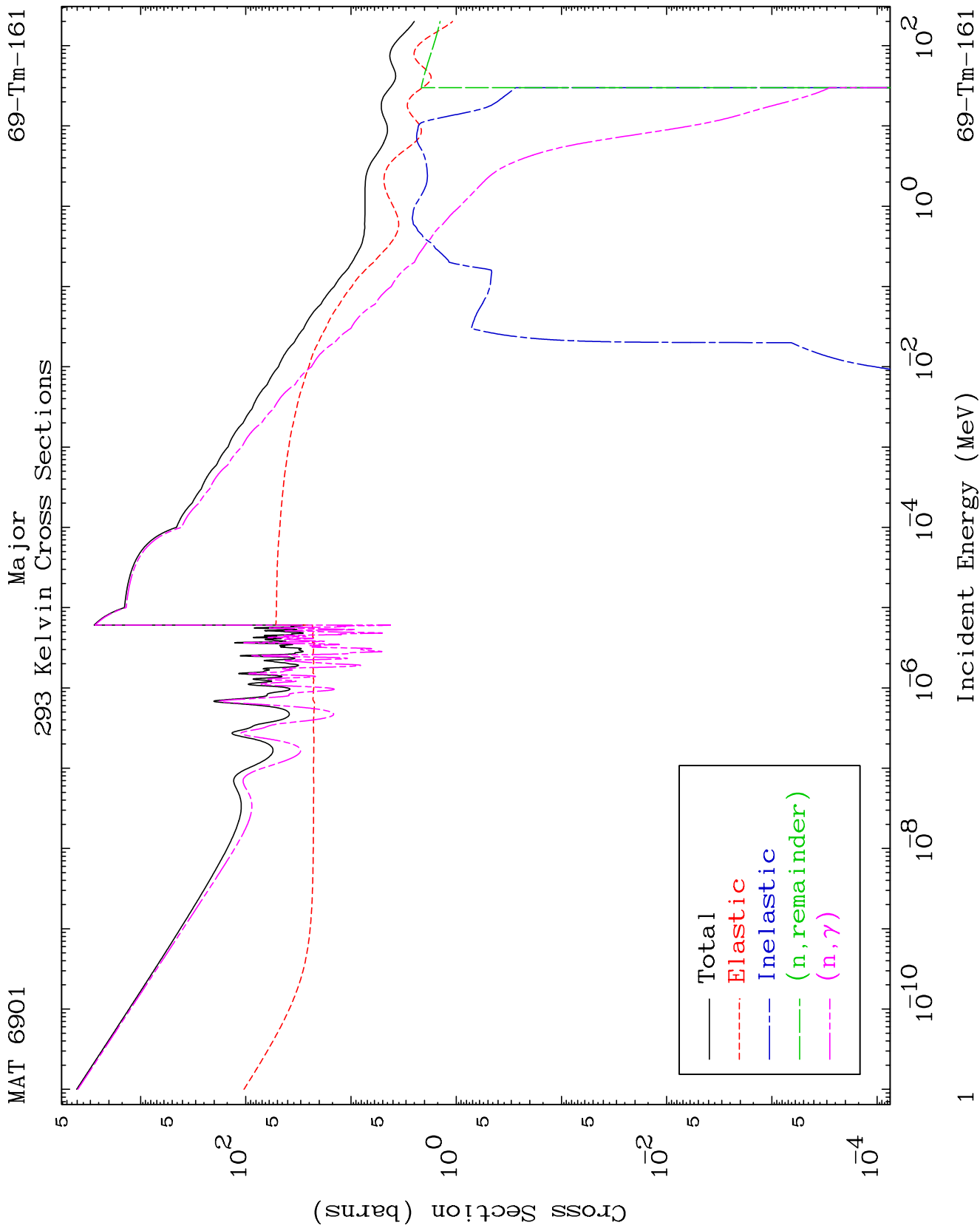
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

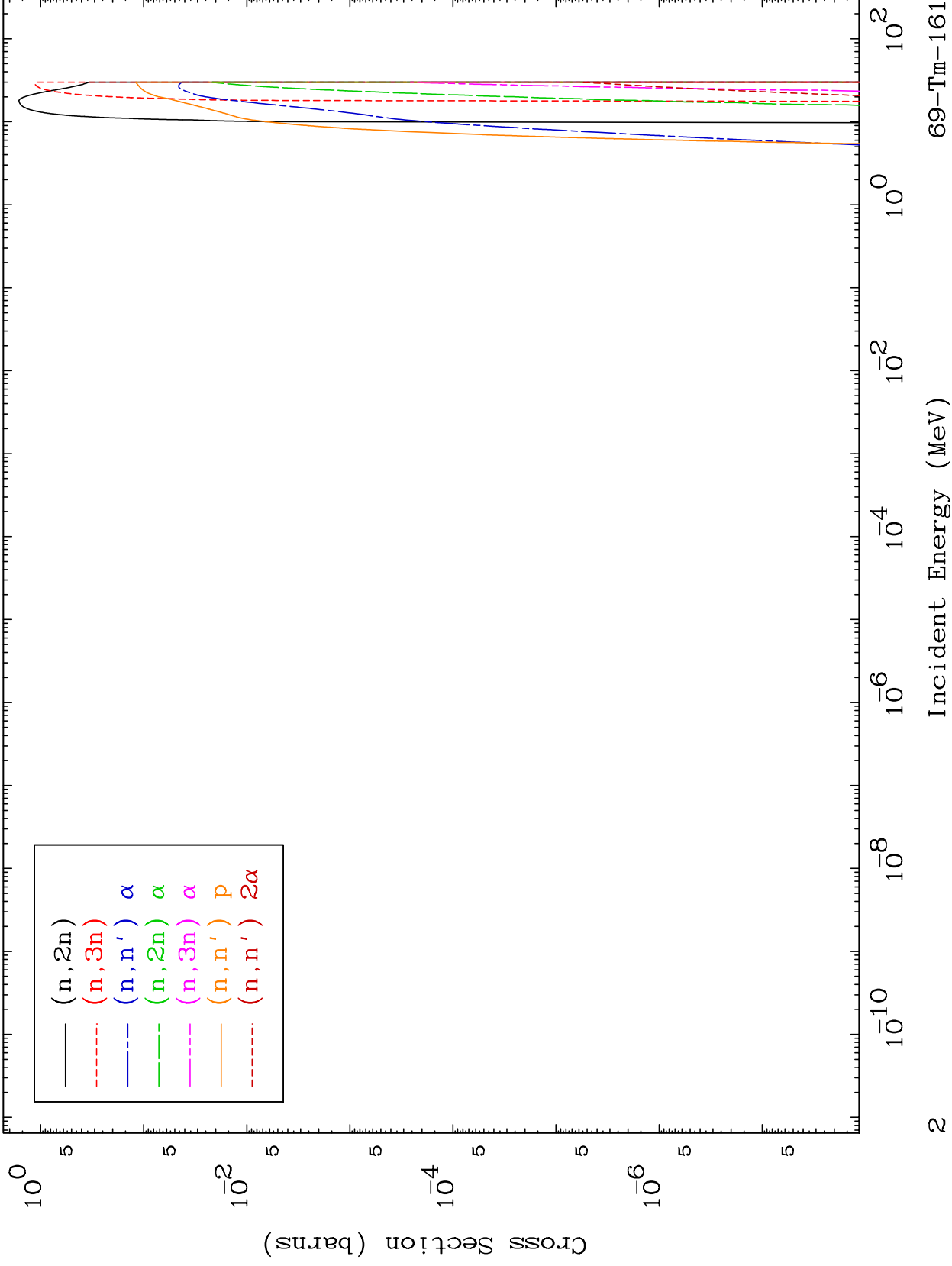
Press Mouse Button to Start

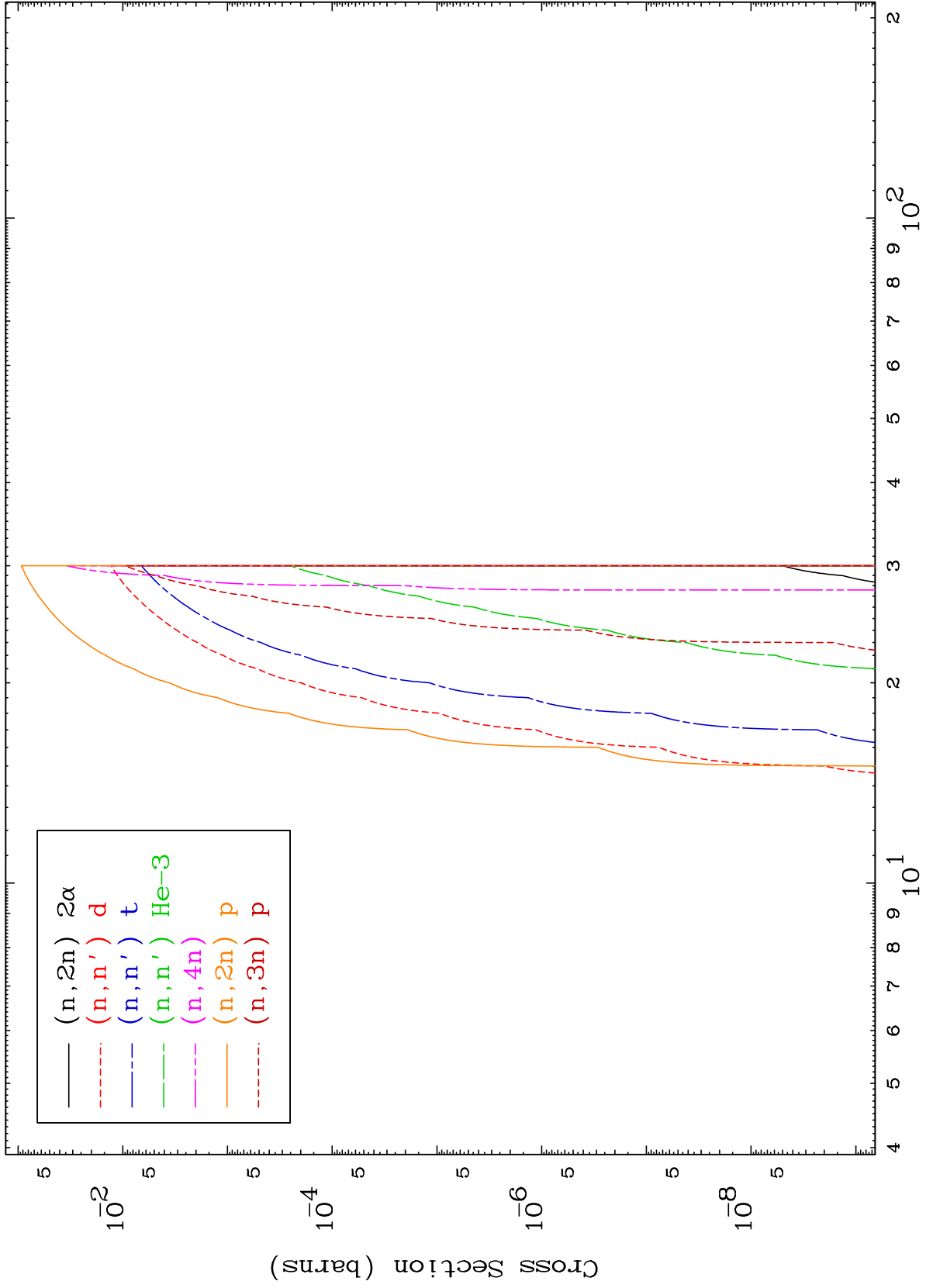


MAT 6901

Neutron Production  
293 Kelvin Cross Sections

69-Tm-161

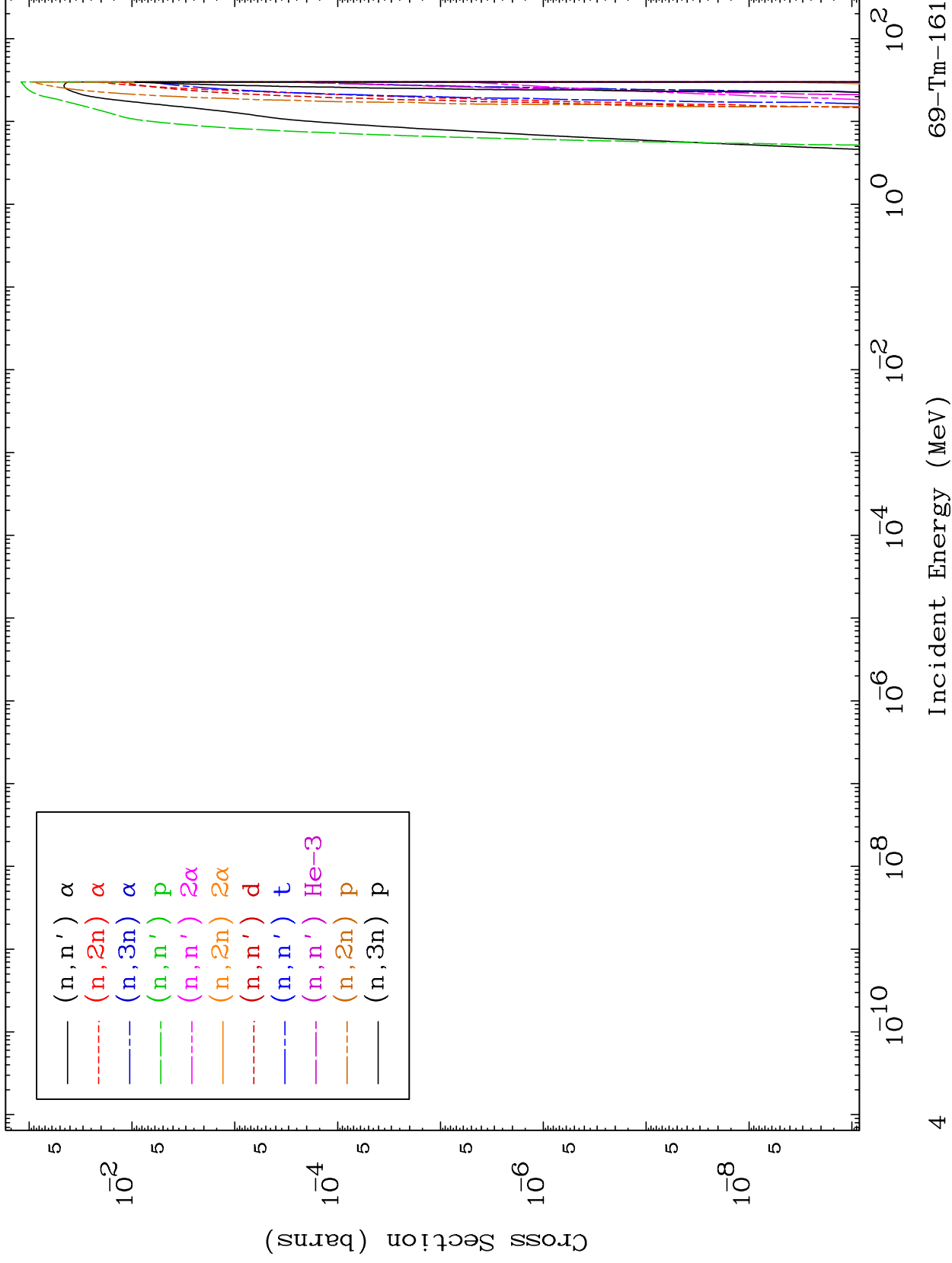




MAT 6901

Charged Particle  
293 Kelvin Cross Sections

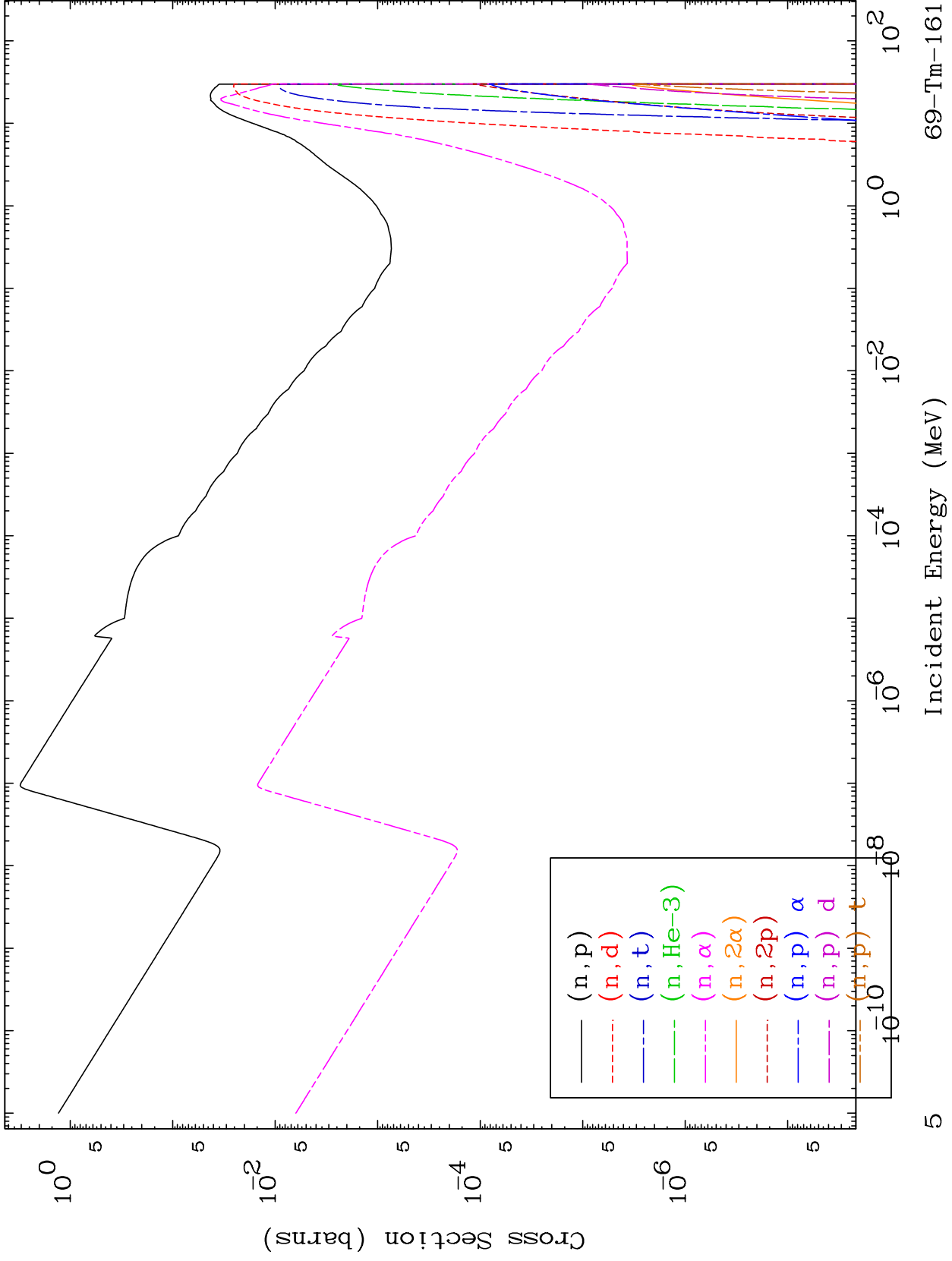
69-Tm-161



MAT 6901

Charged Particle  
293 Kelvin Cross Sections

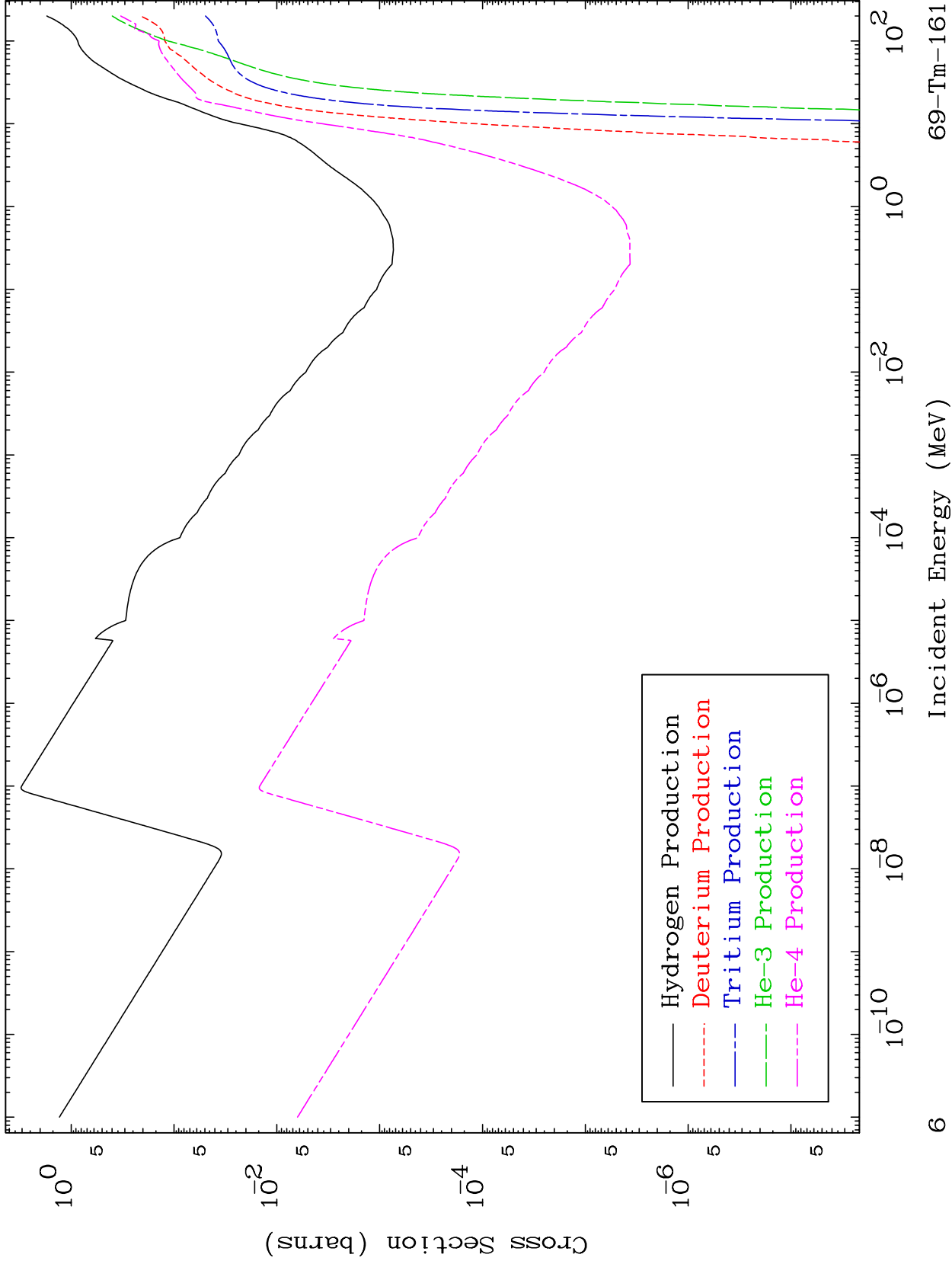
69-Tm-161



5

Incident Energy (MeV)

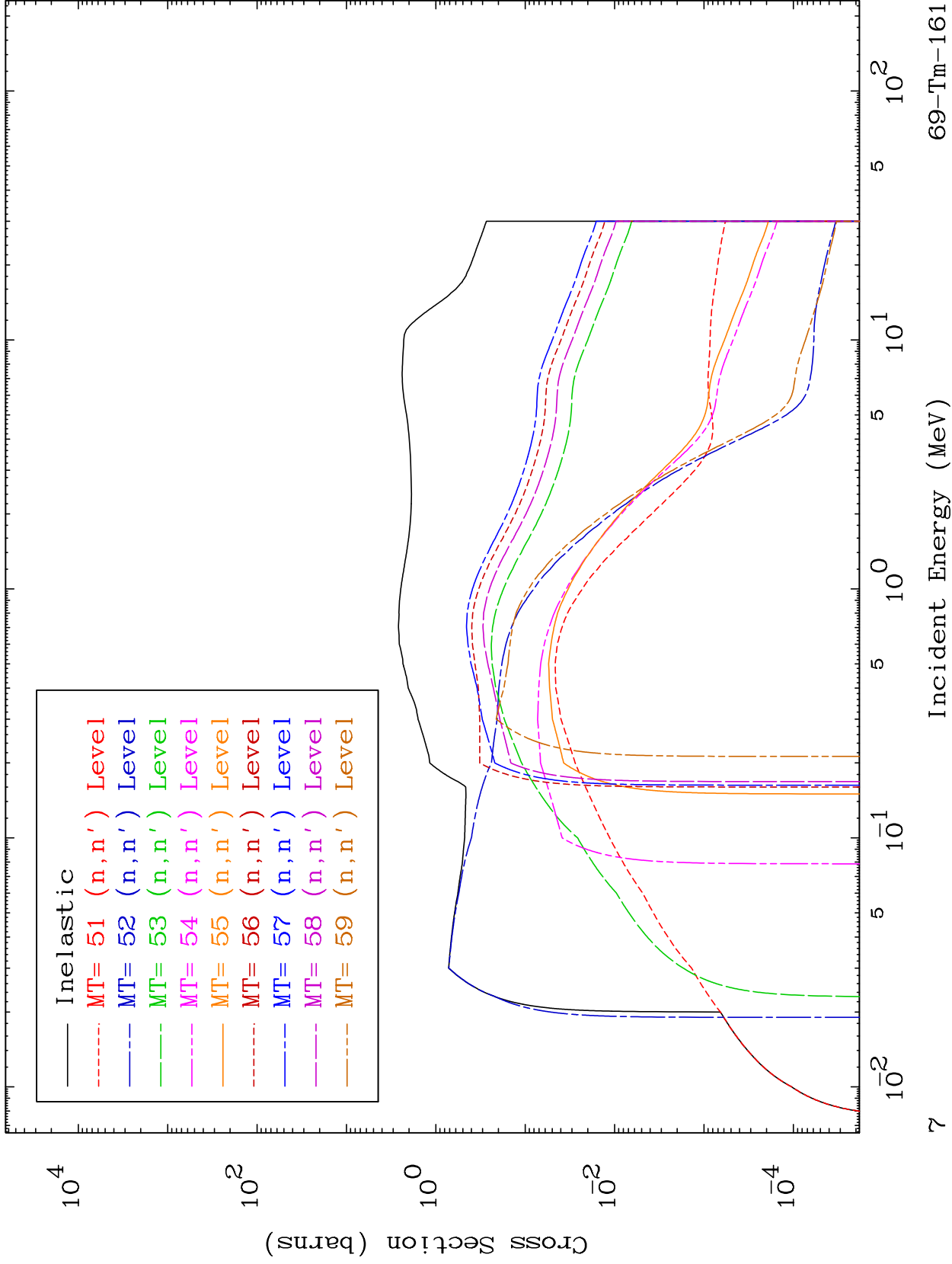
69-Tm-161



MAT 6901

(n,n') Level  
293 Kelvin Cross Sections

69-Tm-161

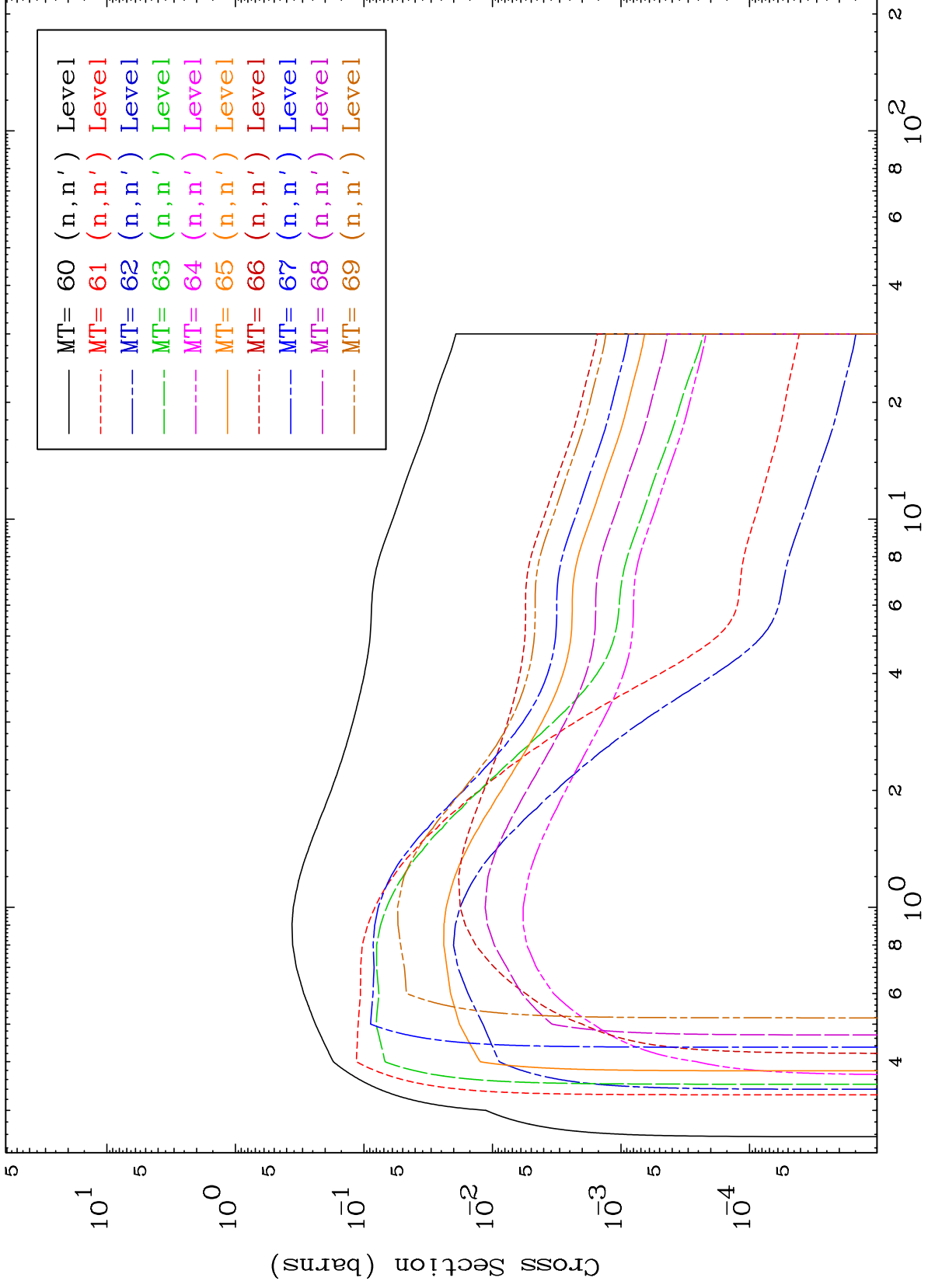




MAT 6901

(n,n') Level  
293 Kelvin Cross Sections

69-Tm-161



8

Incident Energy (MeV)

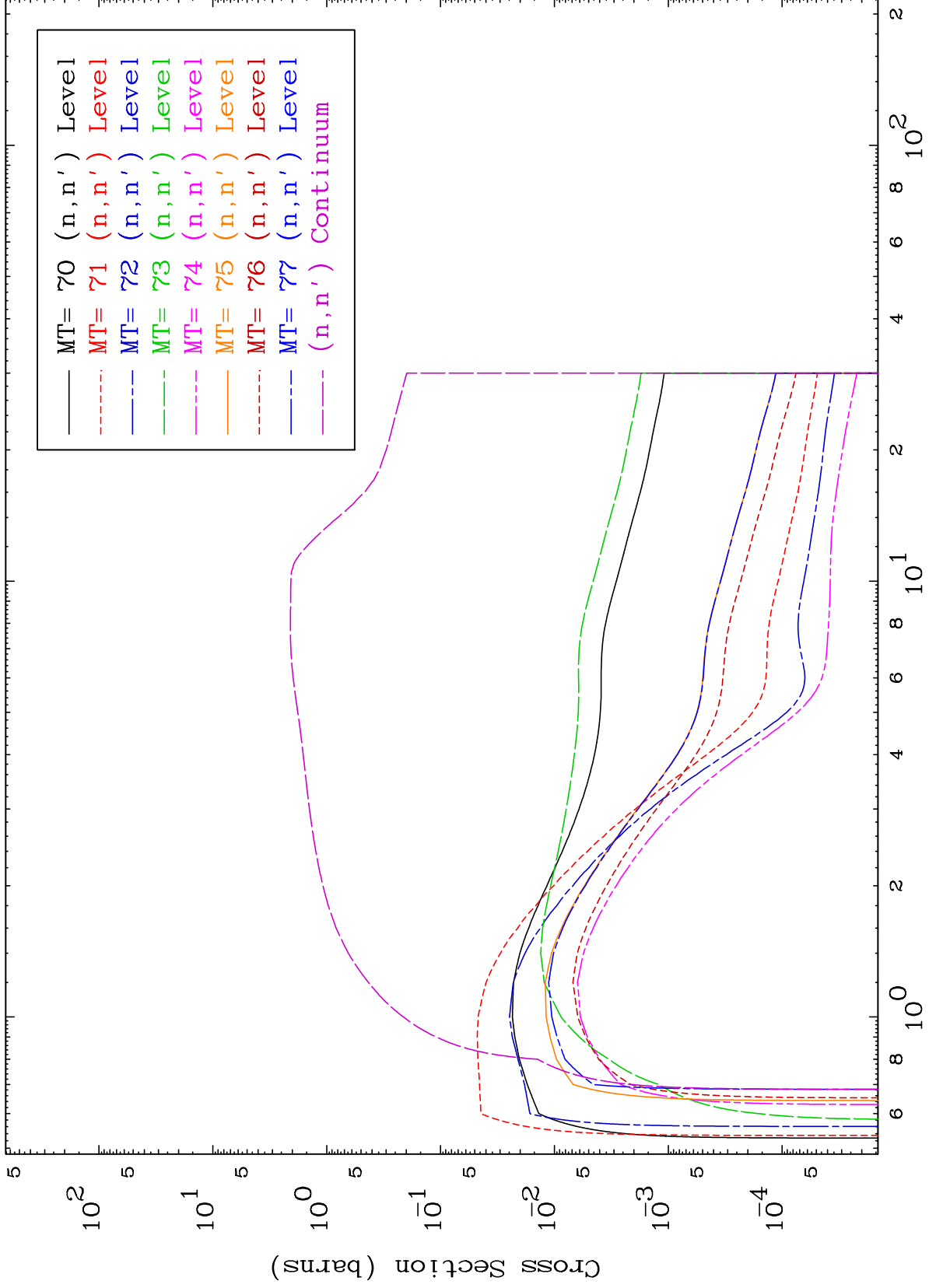
69-Tm-161

MAT 6901

(n,n') Level

69-Tm-161

293 Kelvin Cross Sections



9

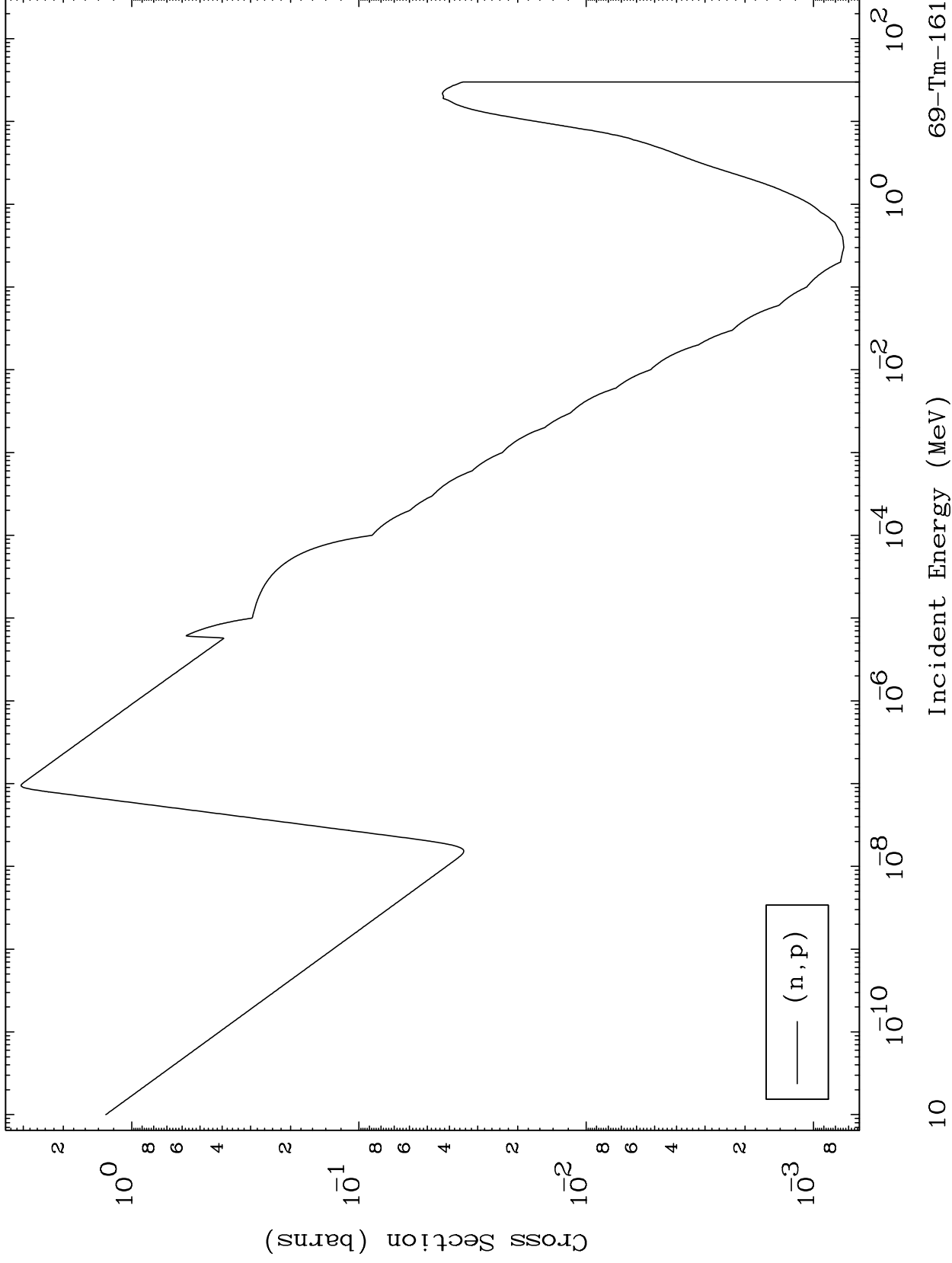
Incident Energy (MeV)

69-Tm-161

MAT 6901

(n,p) Levels  
293 Kelvin Cross Sections

69-Tm-161



10

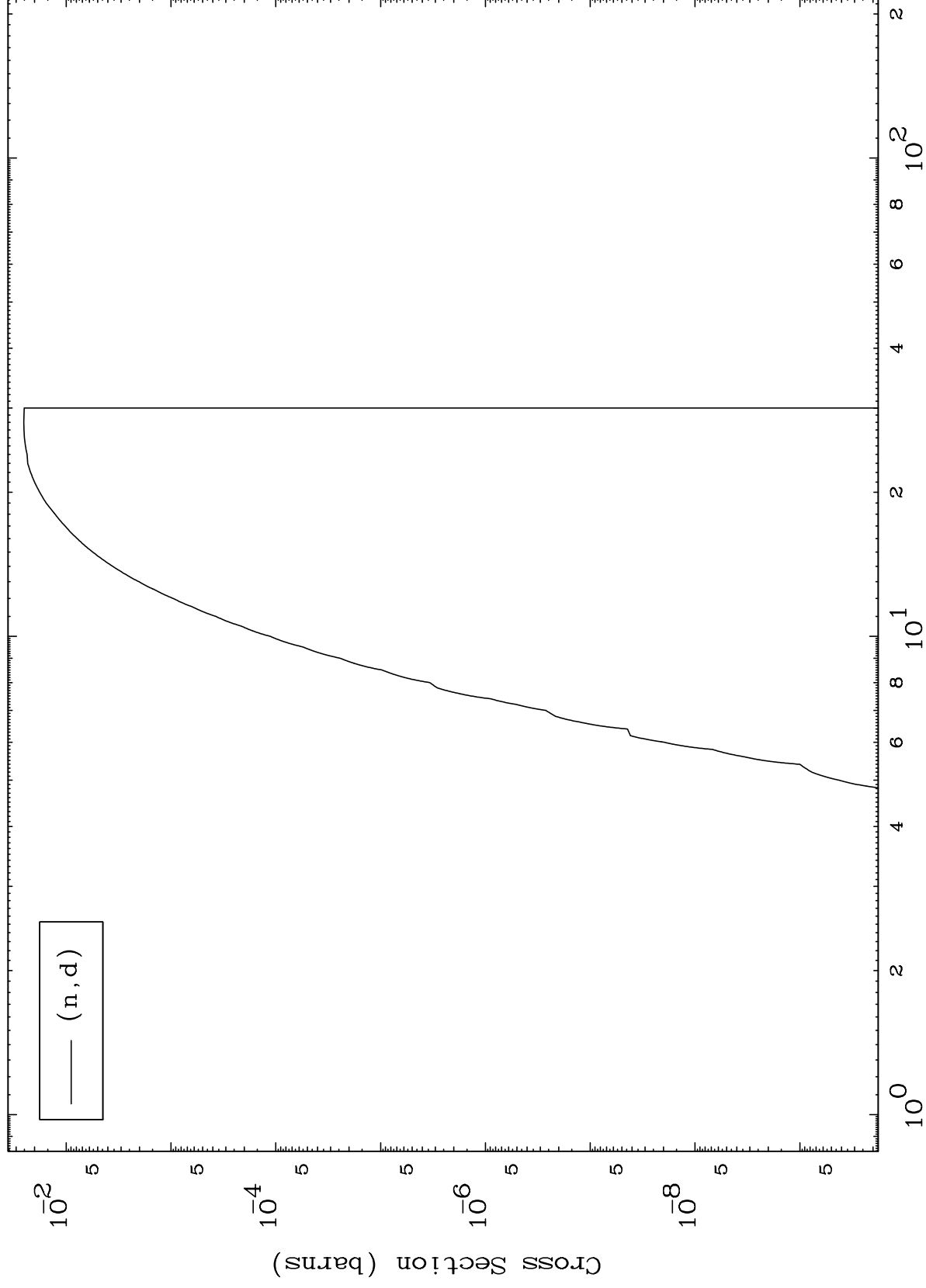
Incident Energy (MeV)

69-Tm-161

MAT 6901

(n,d) Levels  
293 Kelvin Cross Sections

69-Tm-161



11

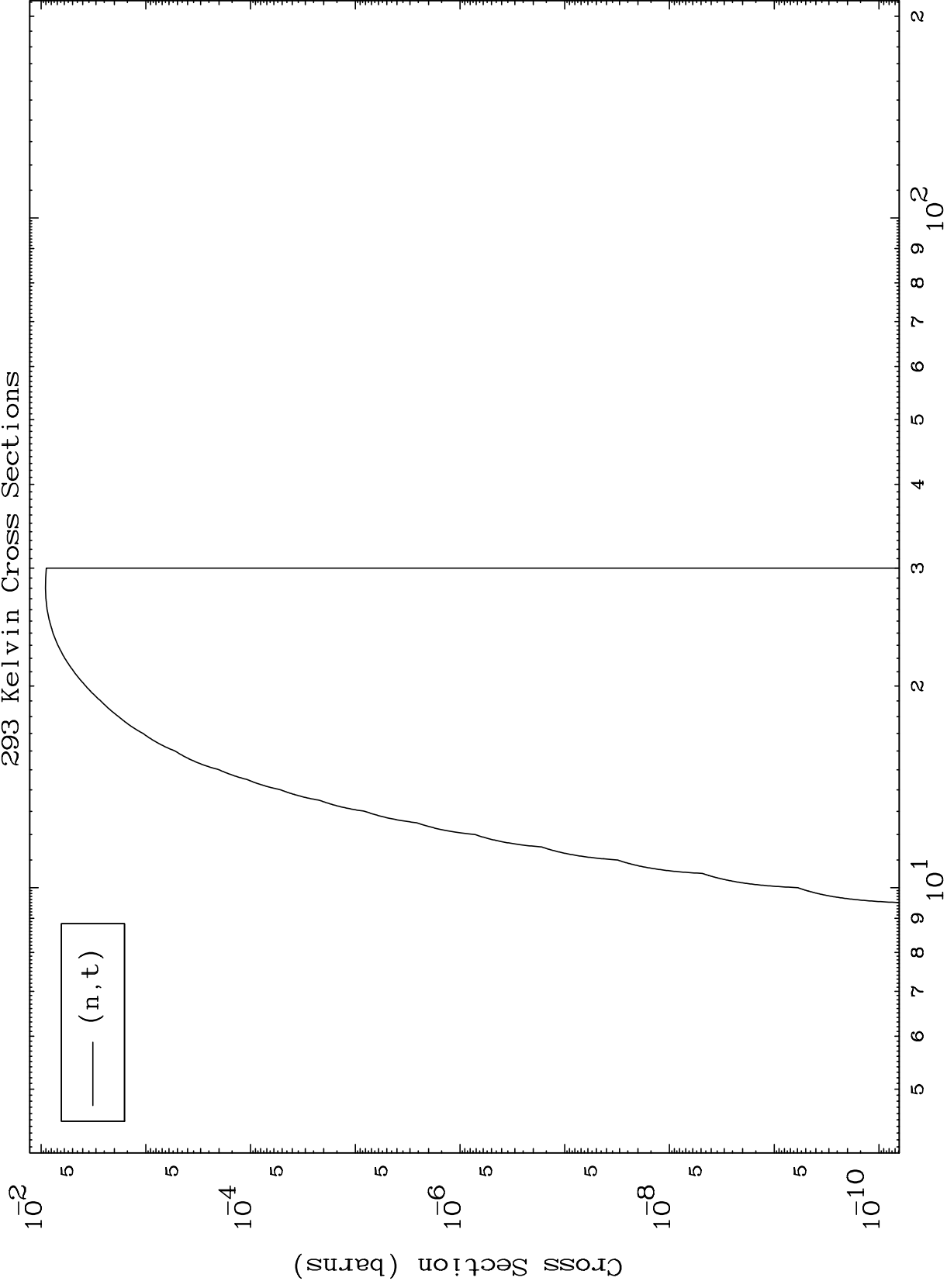
Incident Energy (MeV)

69-Tm-161

MAT 6901

(n,t) Levels  
293 Kelvin Cross Sections

69-Tm-161



12

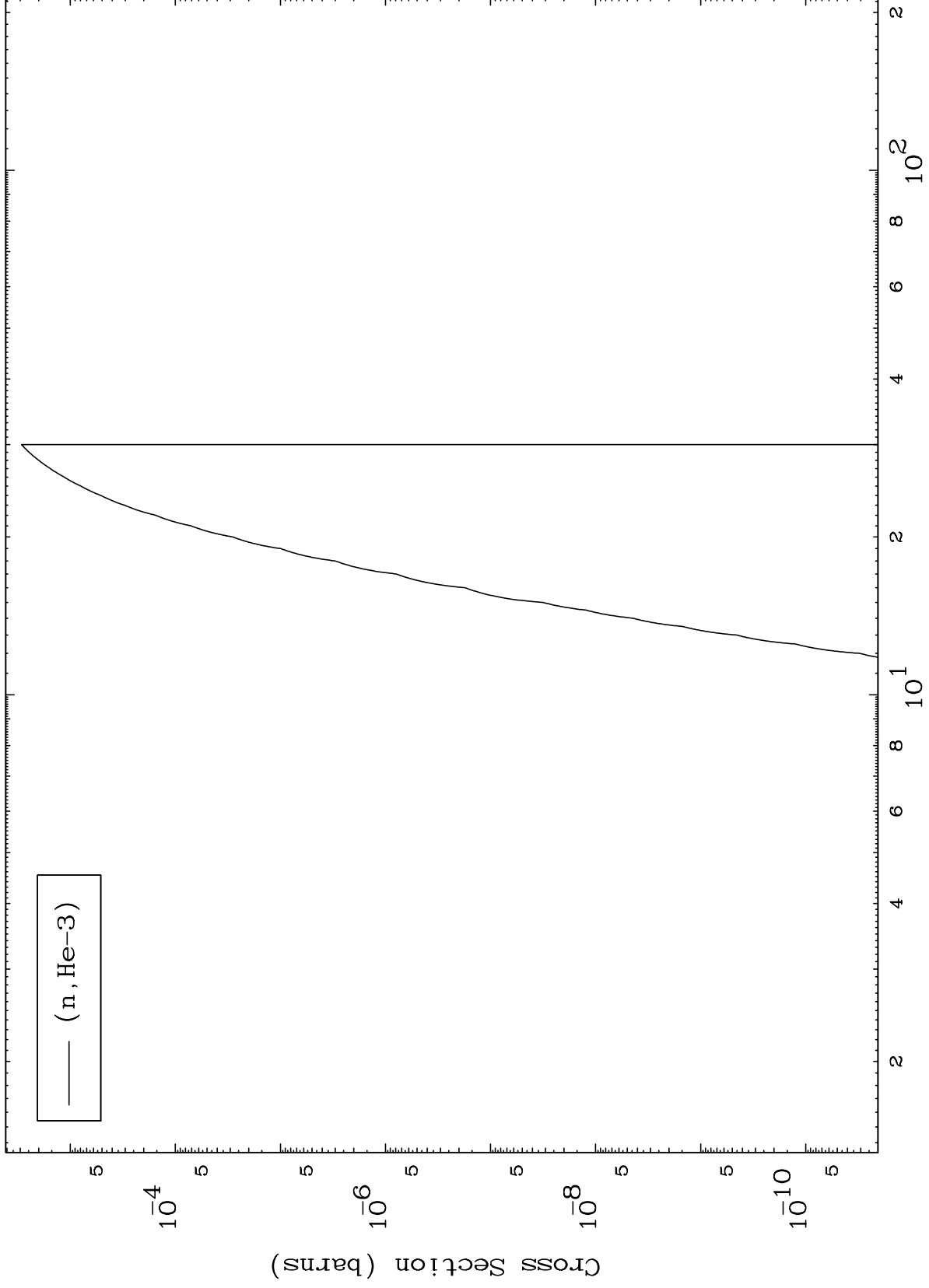
Incident Energy (MeV)

69-Tm-161

MAT 6901

(n,He3) Levels  
293 Kelvin Cross Sections

69-Tm-161



13

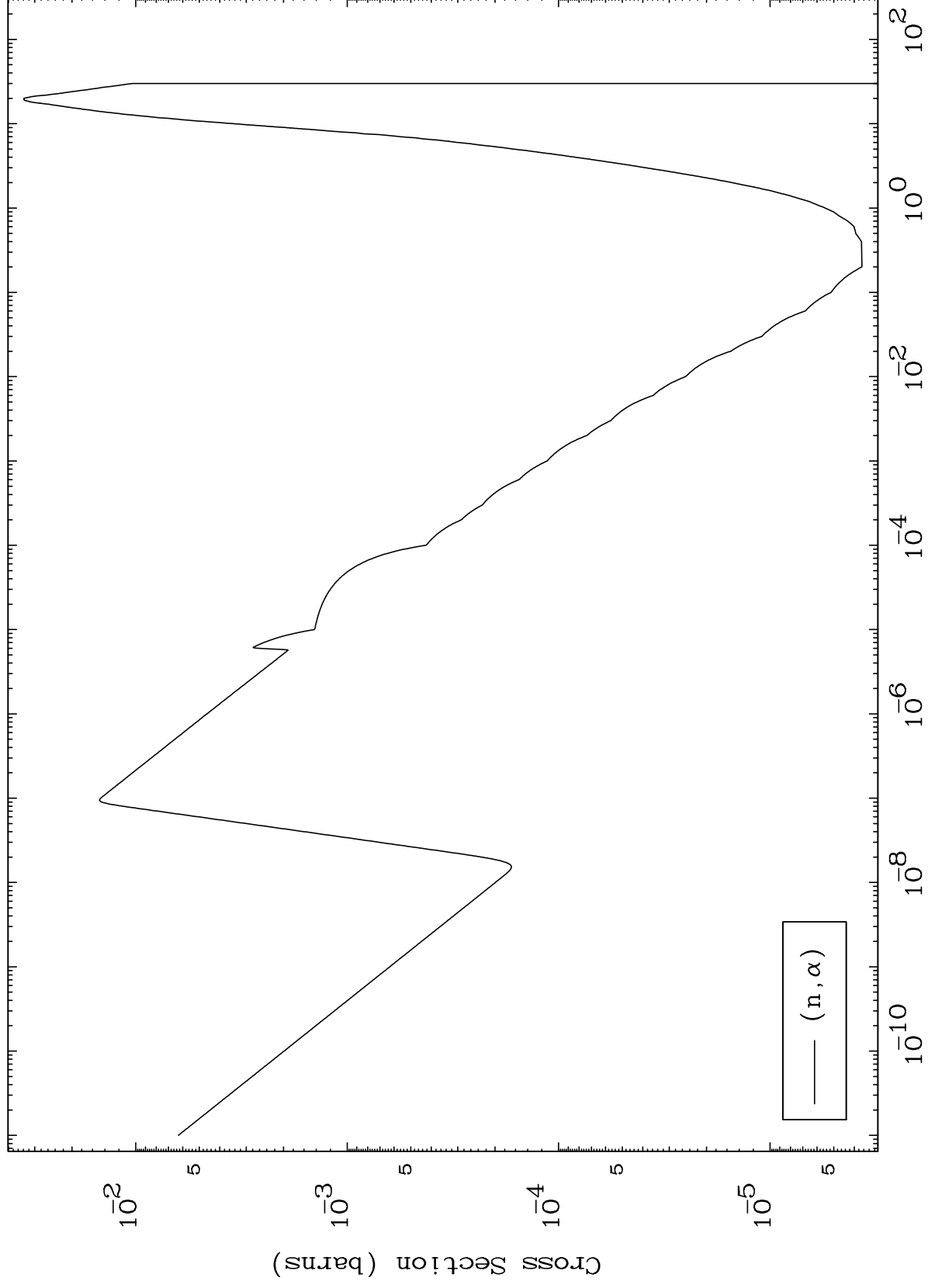
Incident Energy (MeV)

69-Tm-161

MAT 6901

(n,α) Levels  
293 Kelvin Cross Sections

69-Tm-161

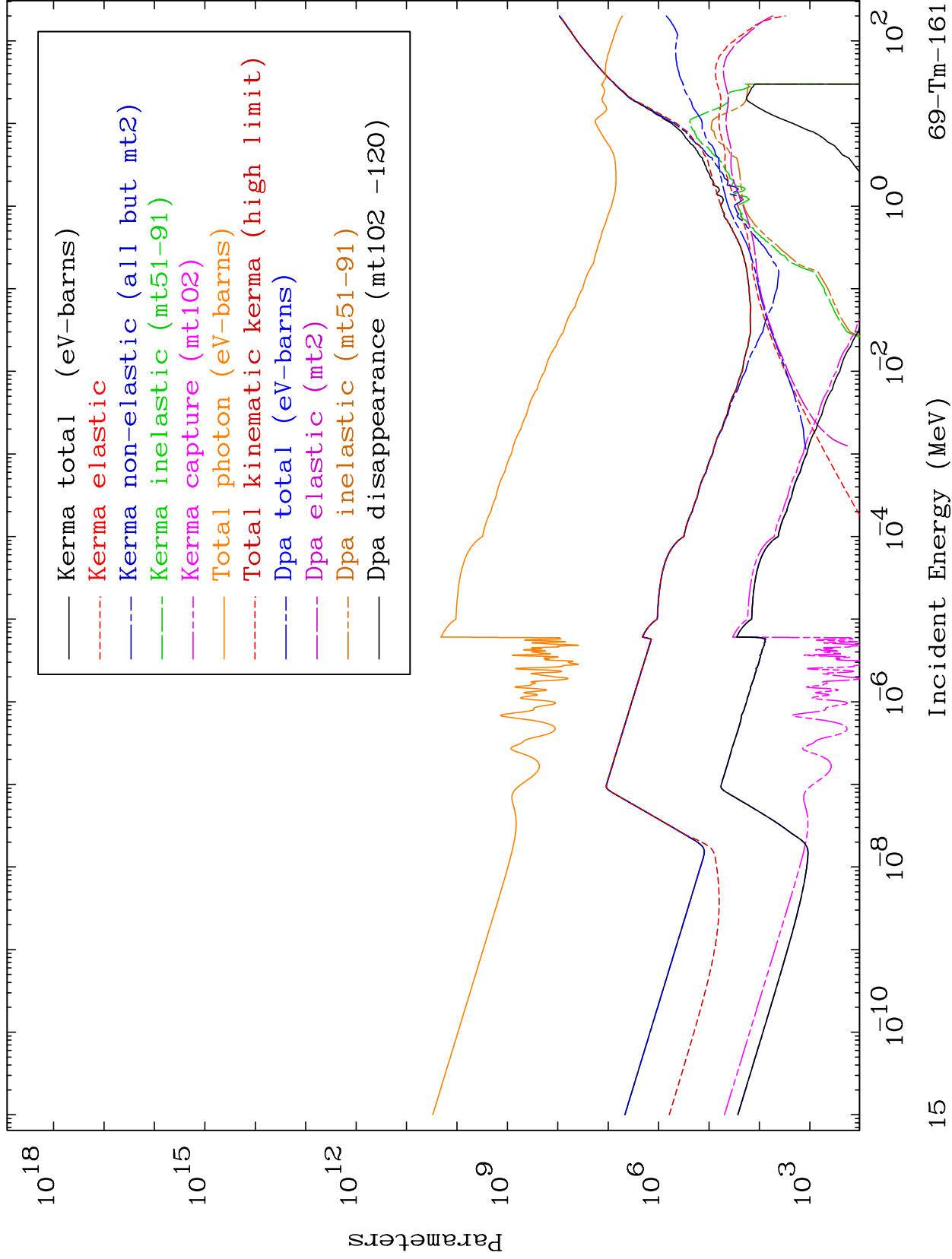


14

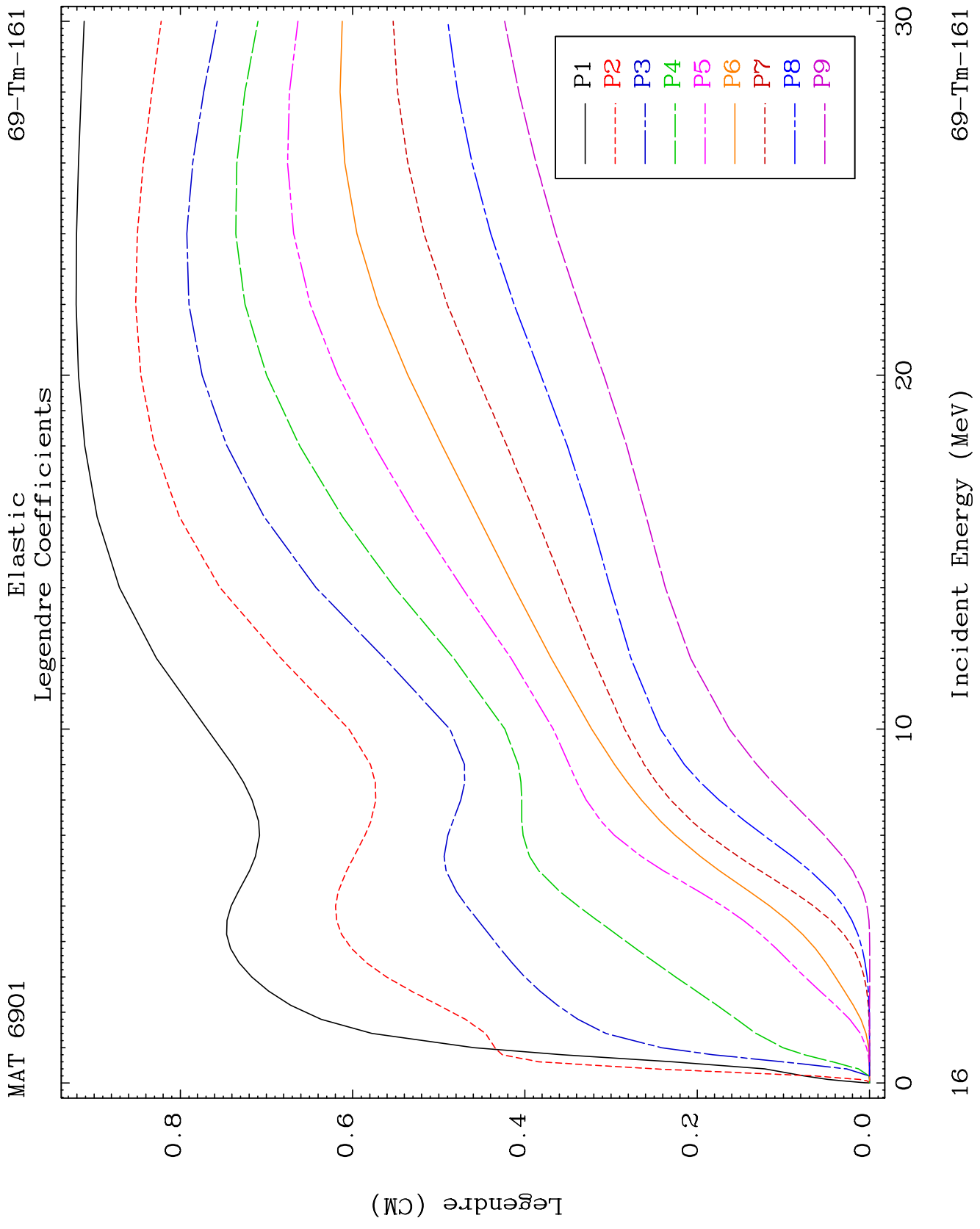
Incident Energy (MeV)

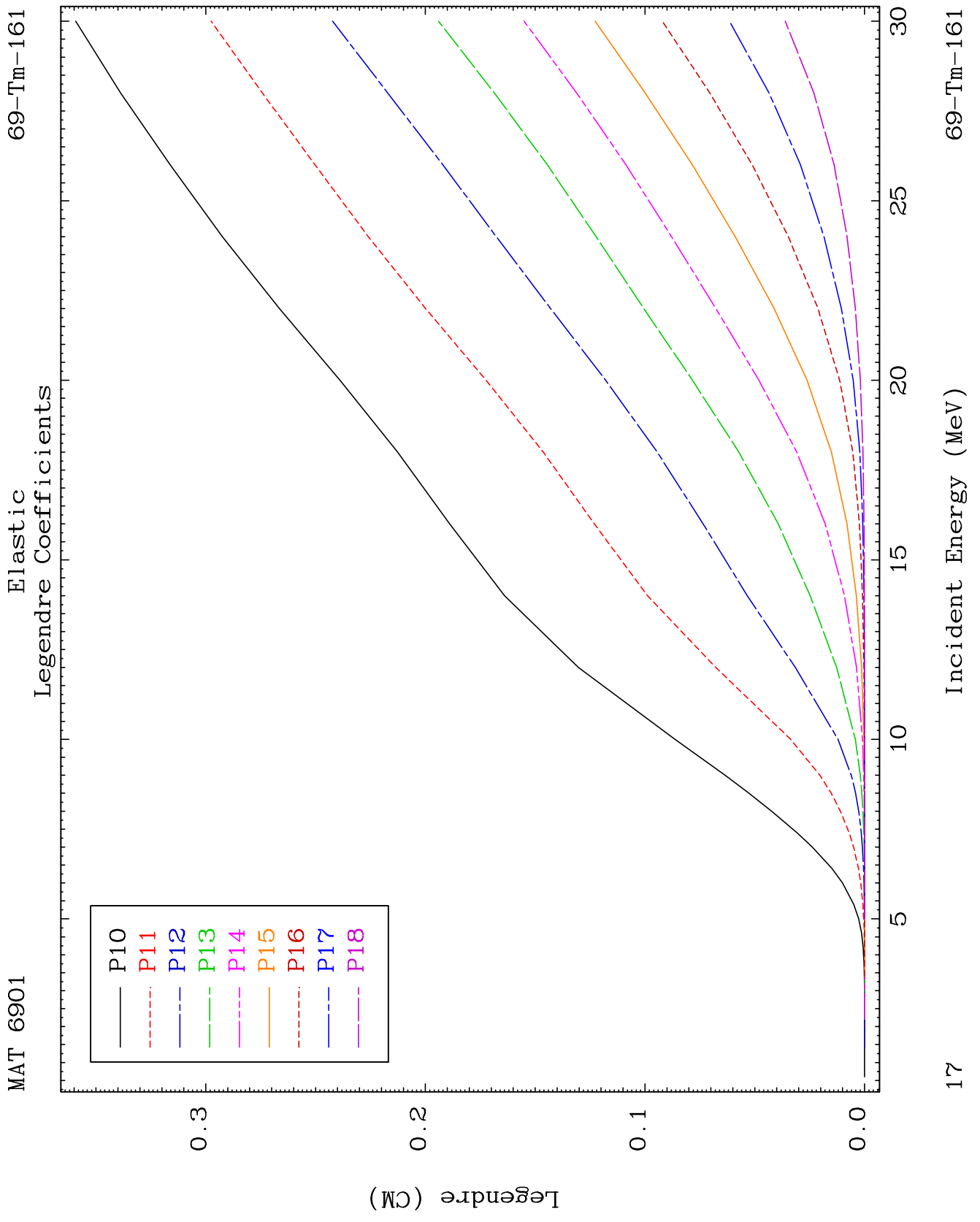
69-Tm-161

(n,α)







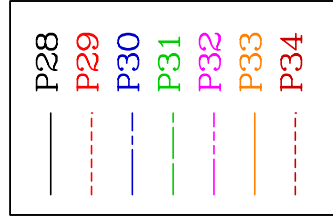




MAT 6901

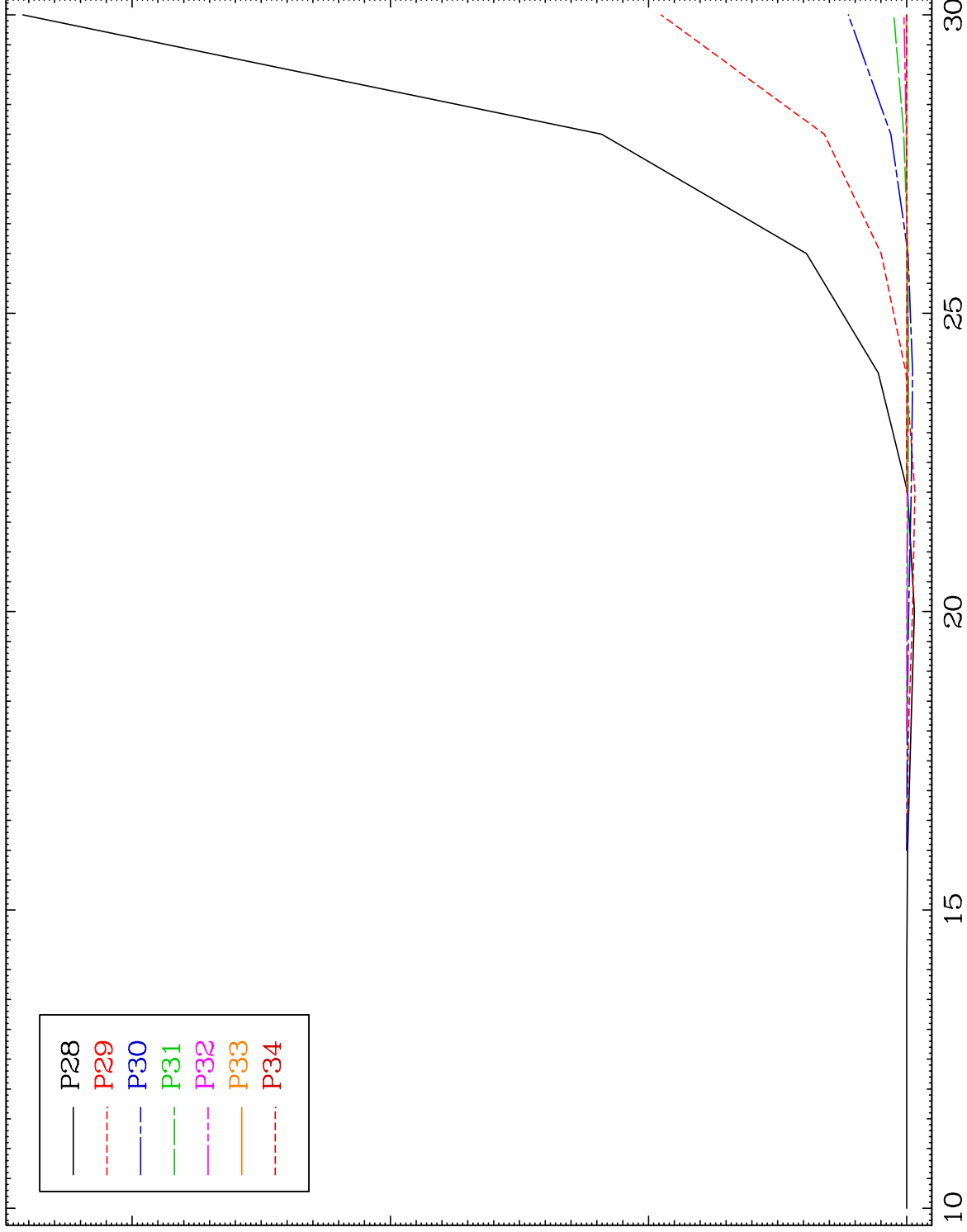
Elastic Legendre Coefficients

69-Tm-161



$\times 10^{-6}$

Legendre (CM)



10

15

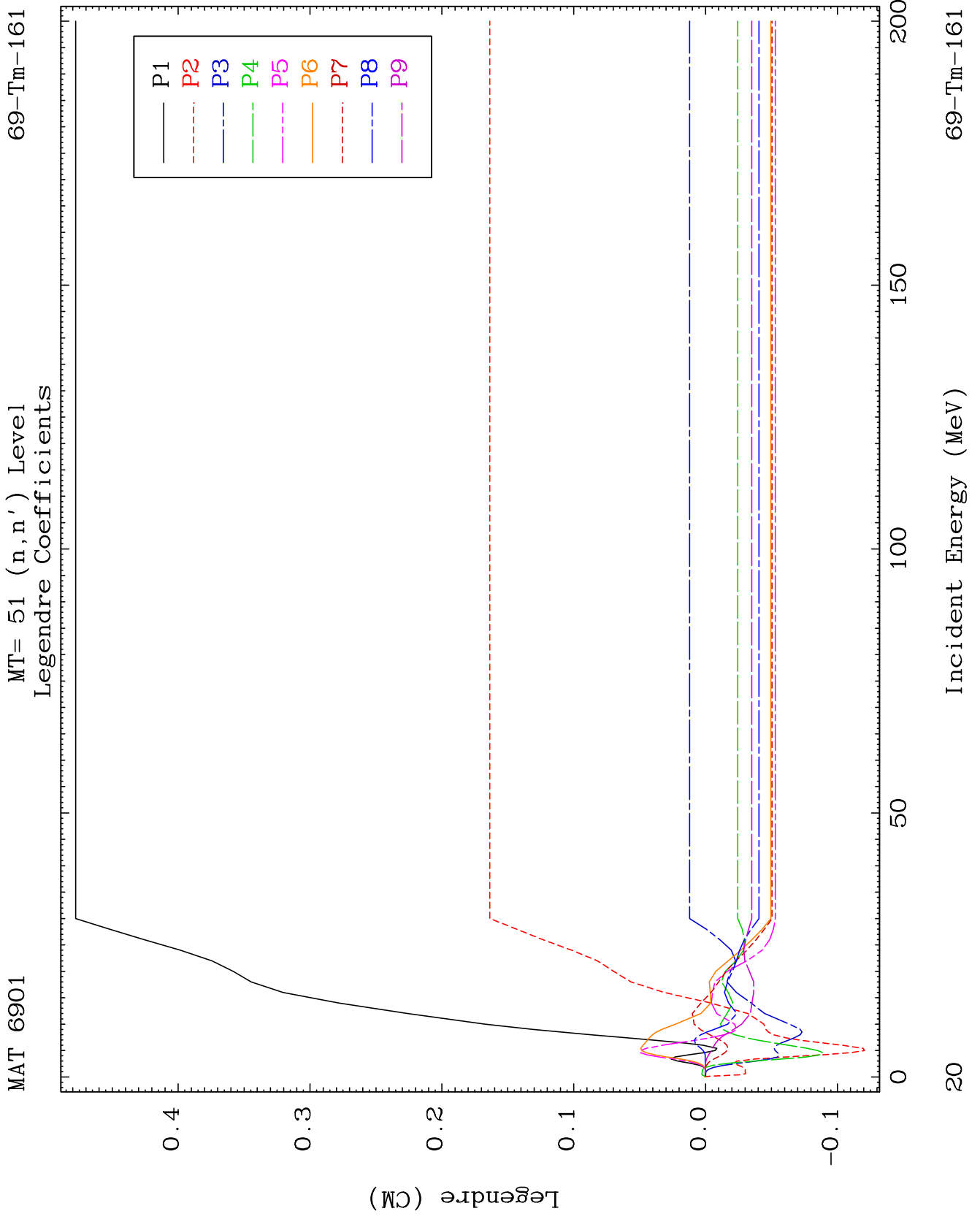
20

25

30

Incident Energy (MeV)

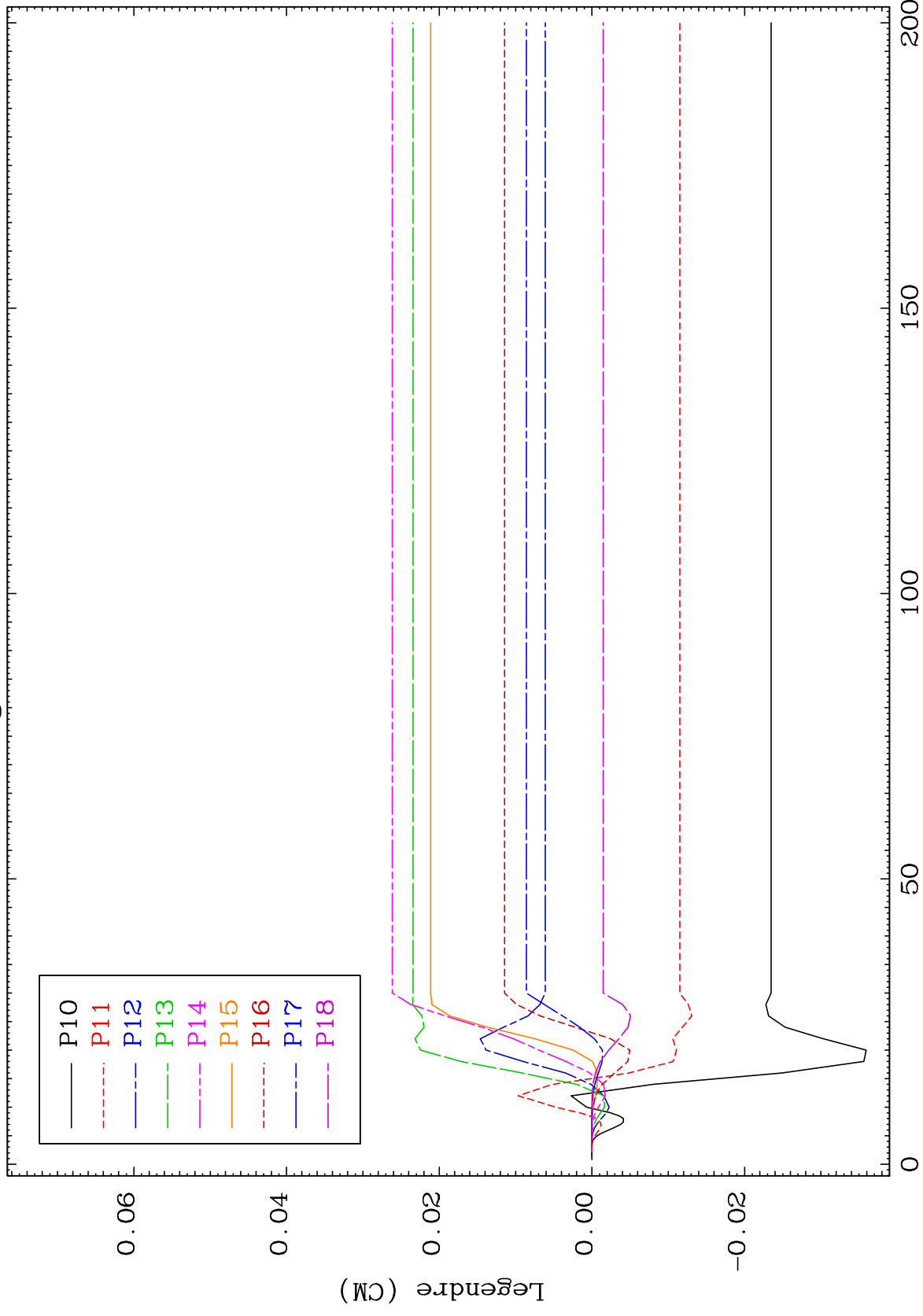
69-Tm-161



MAT 6901

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

69-Tm-161



21

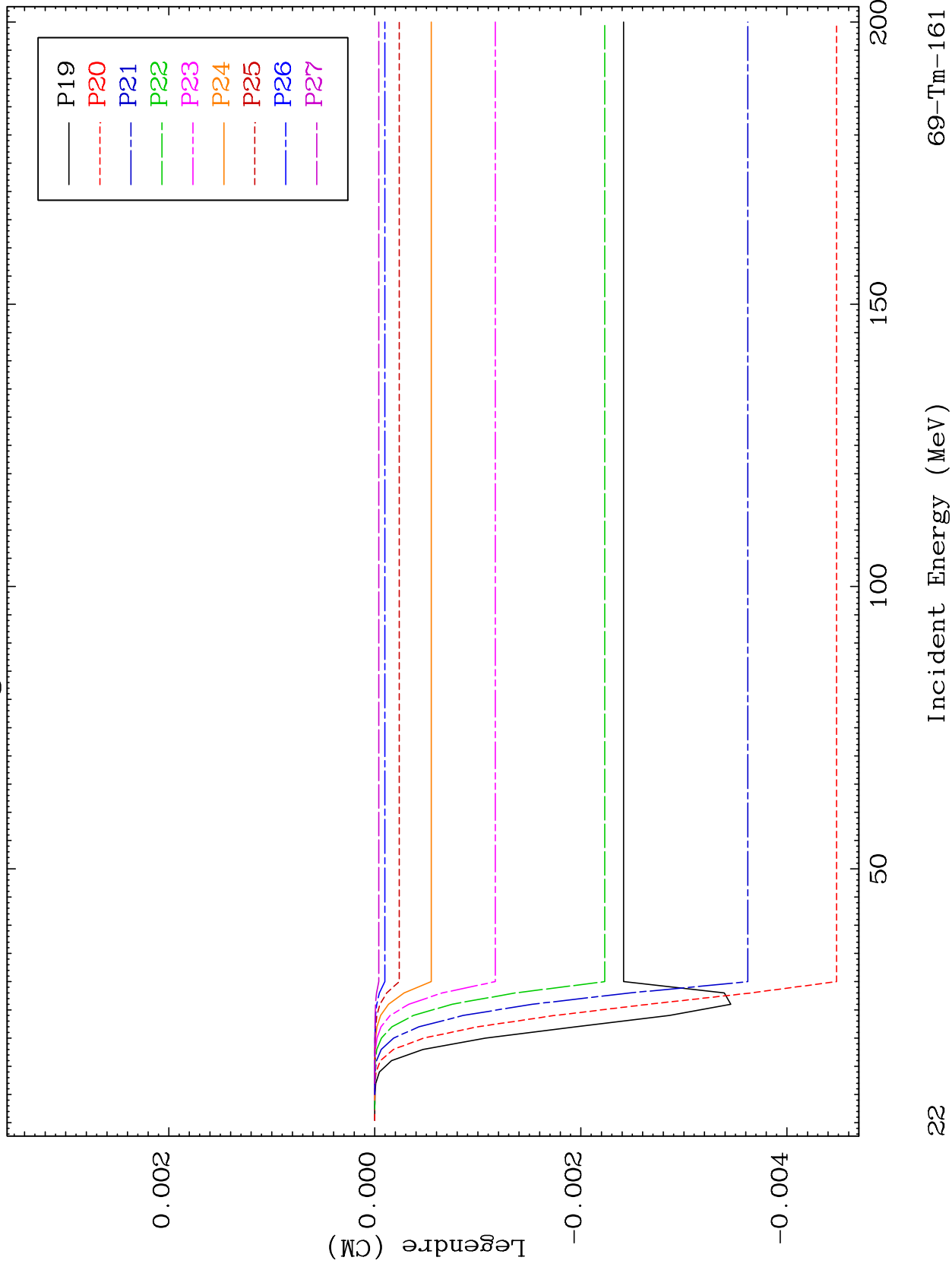
Incident Energy (MeV)

69-Tm-161

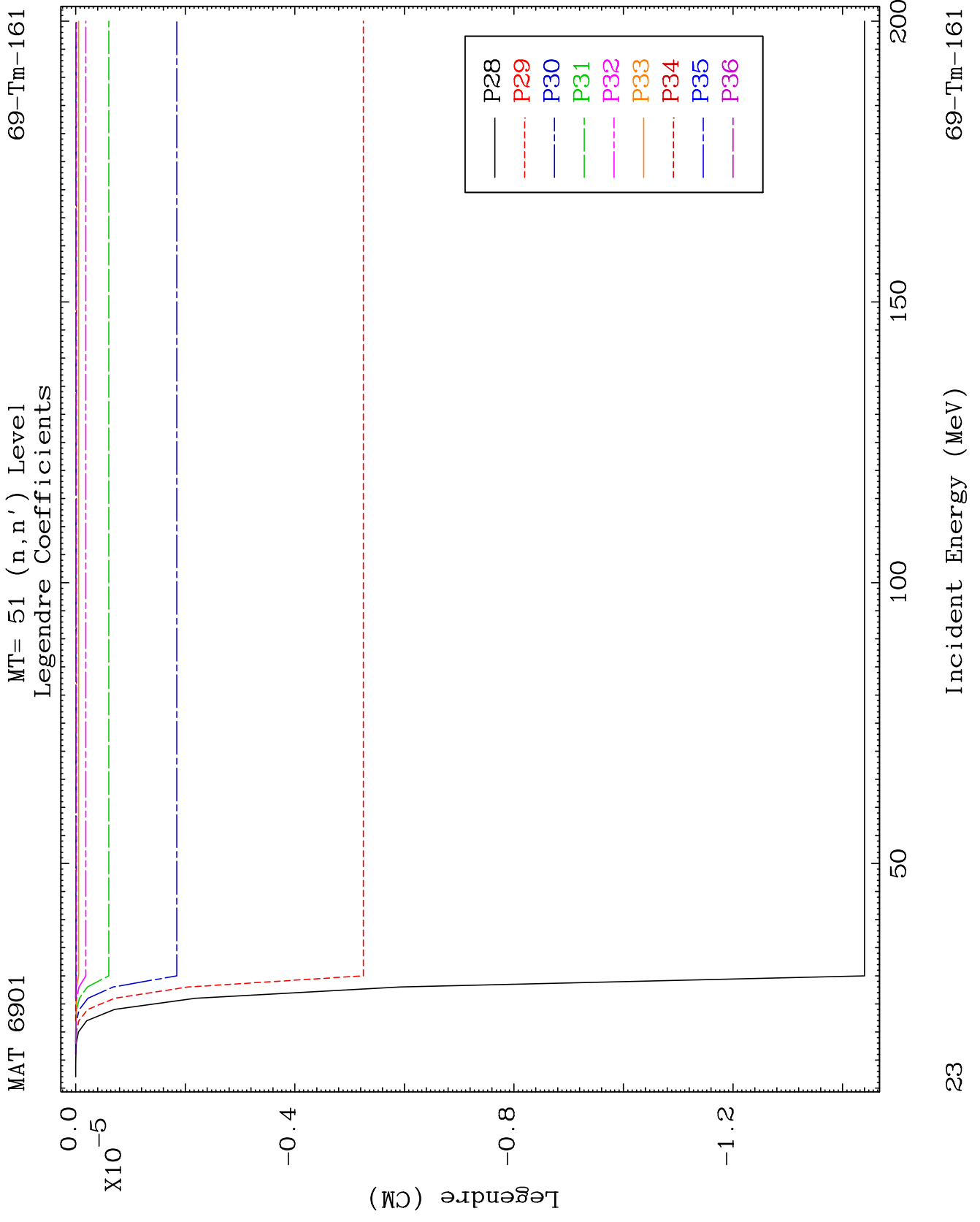
MAT 6901

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

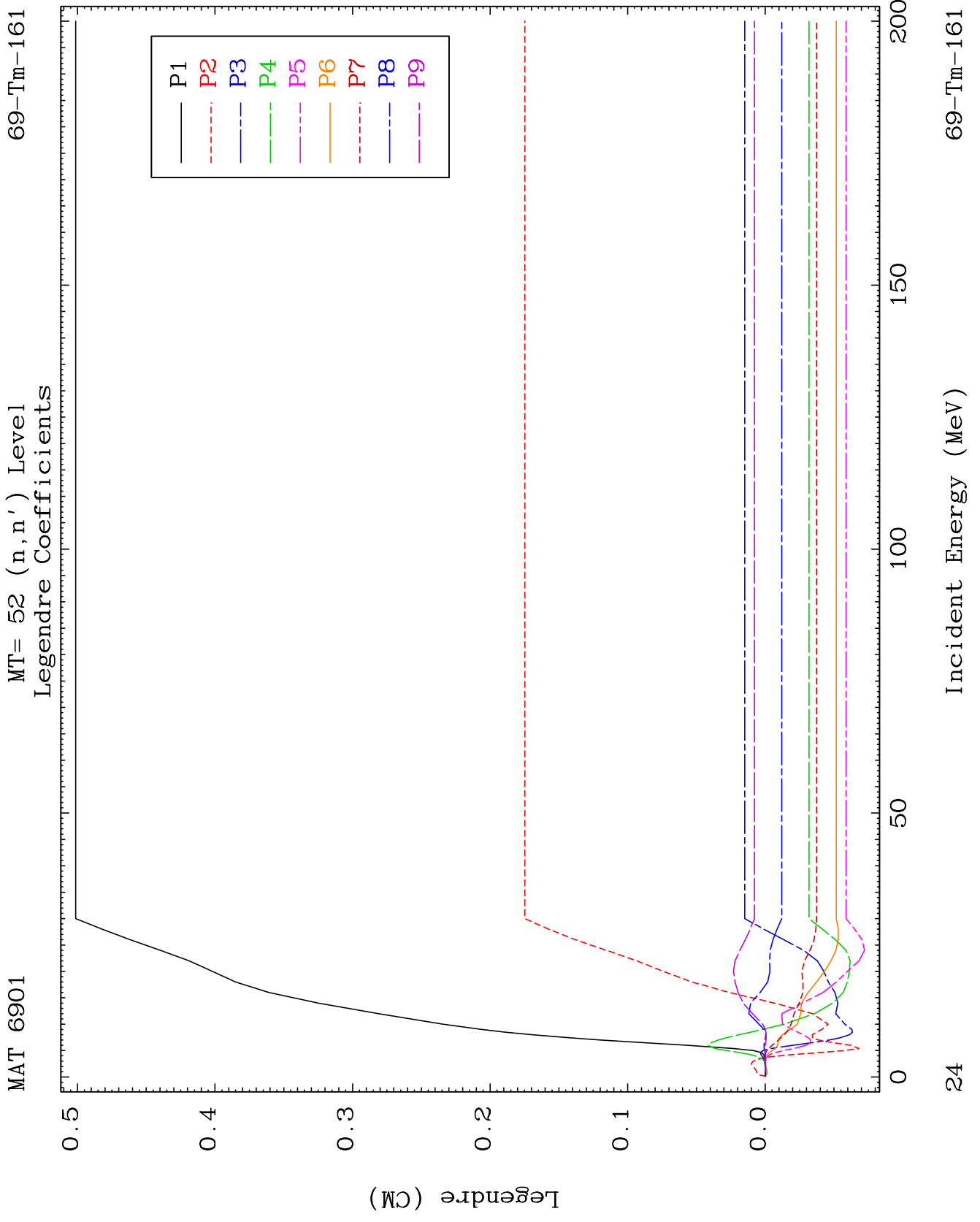
69-Tm-161

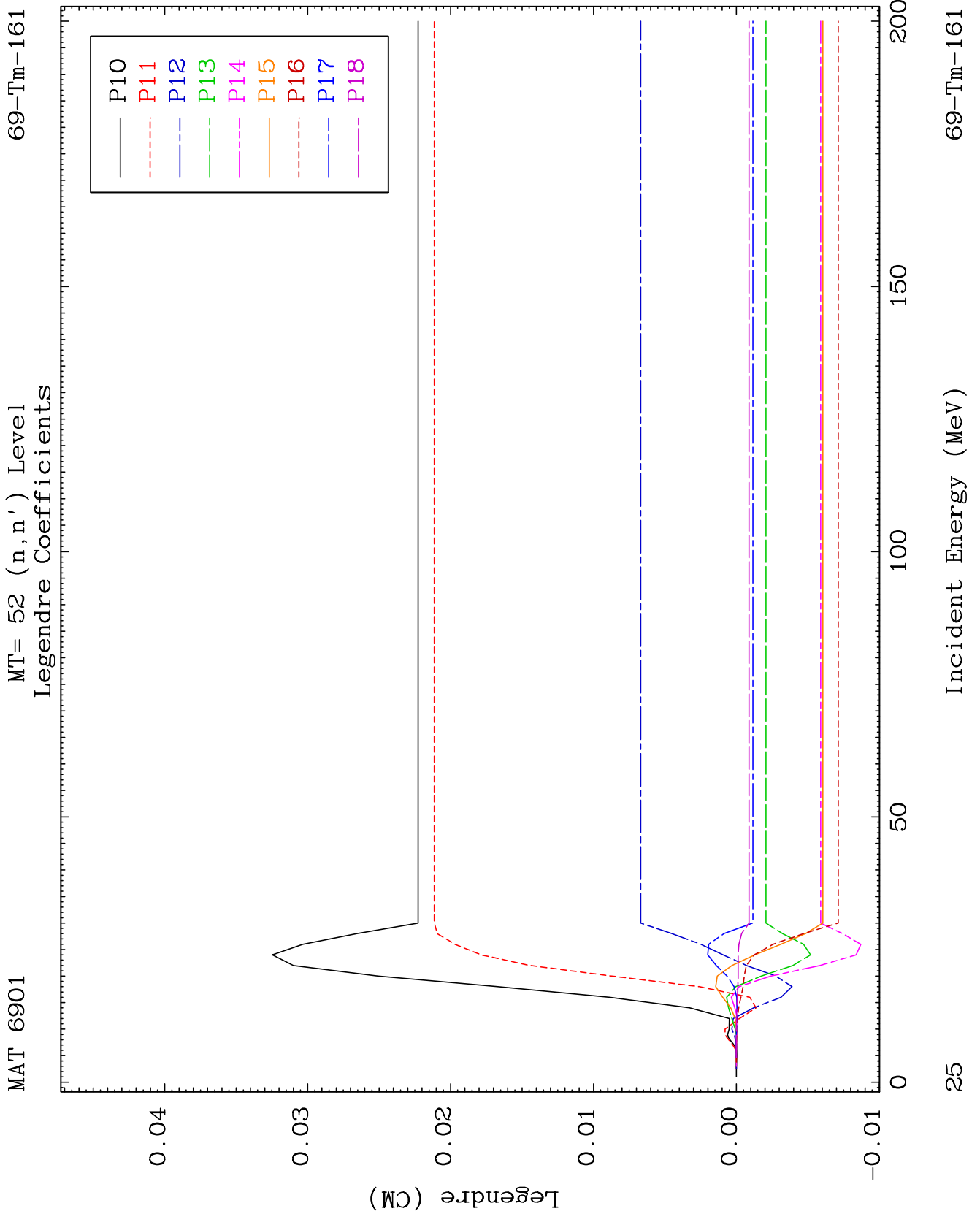


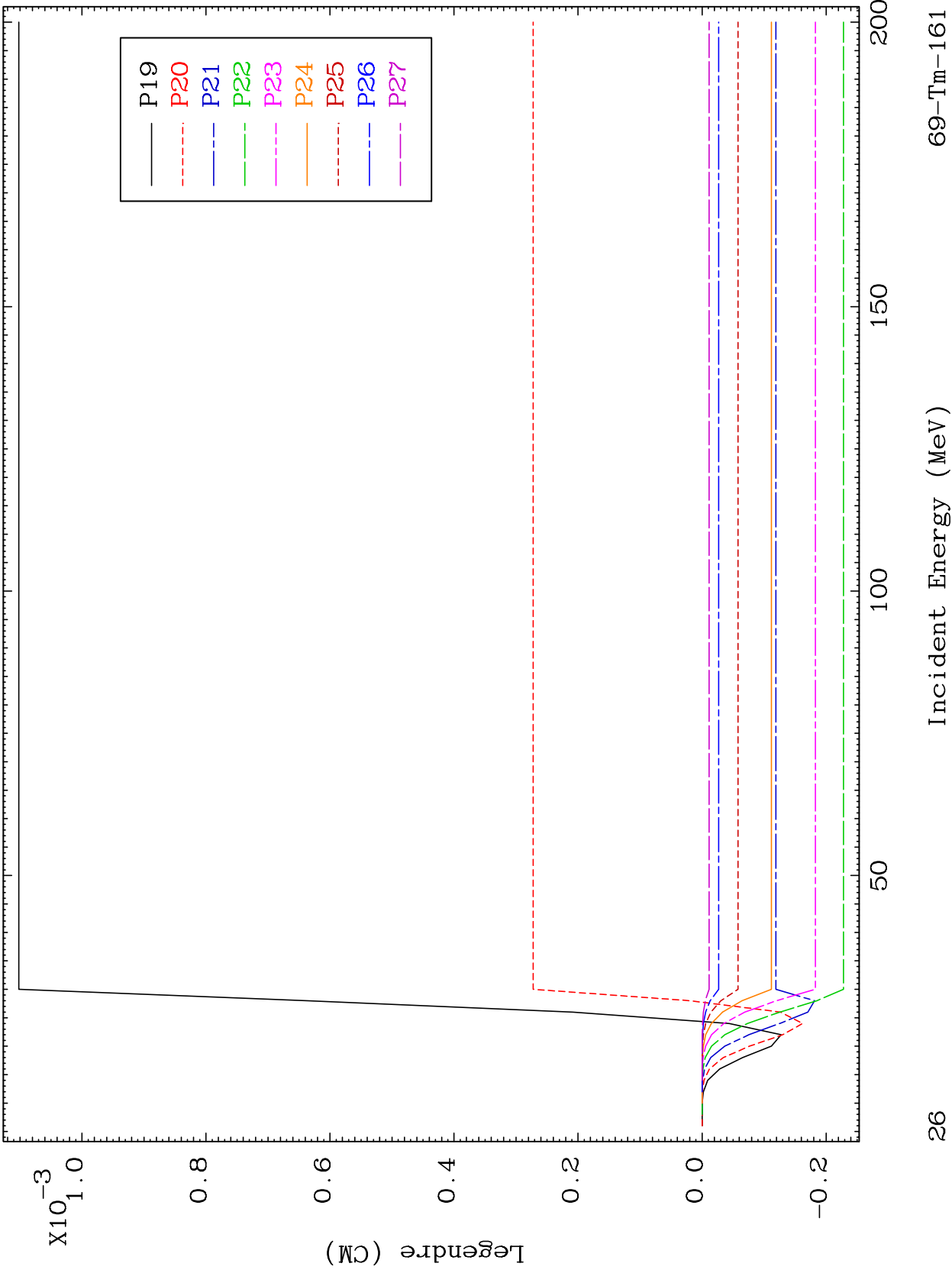
22



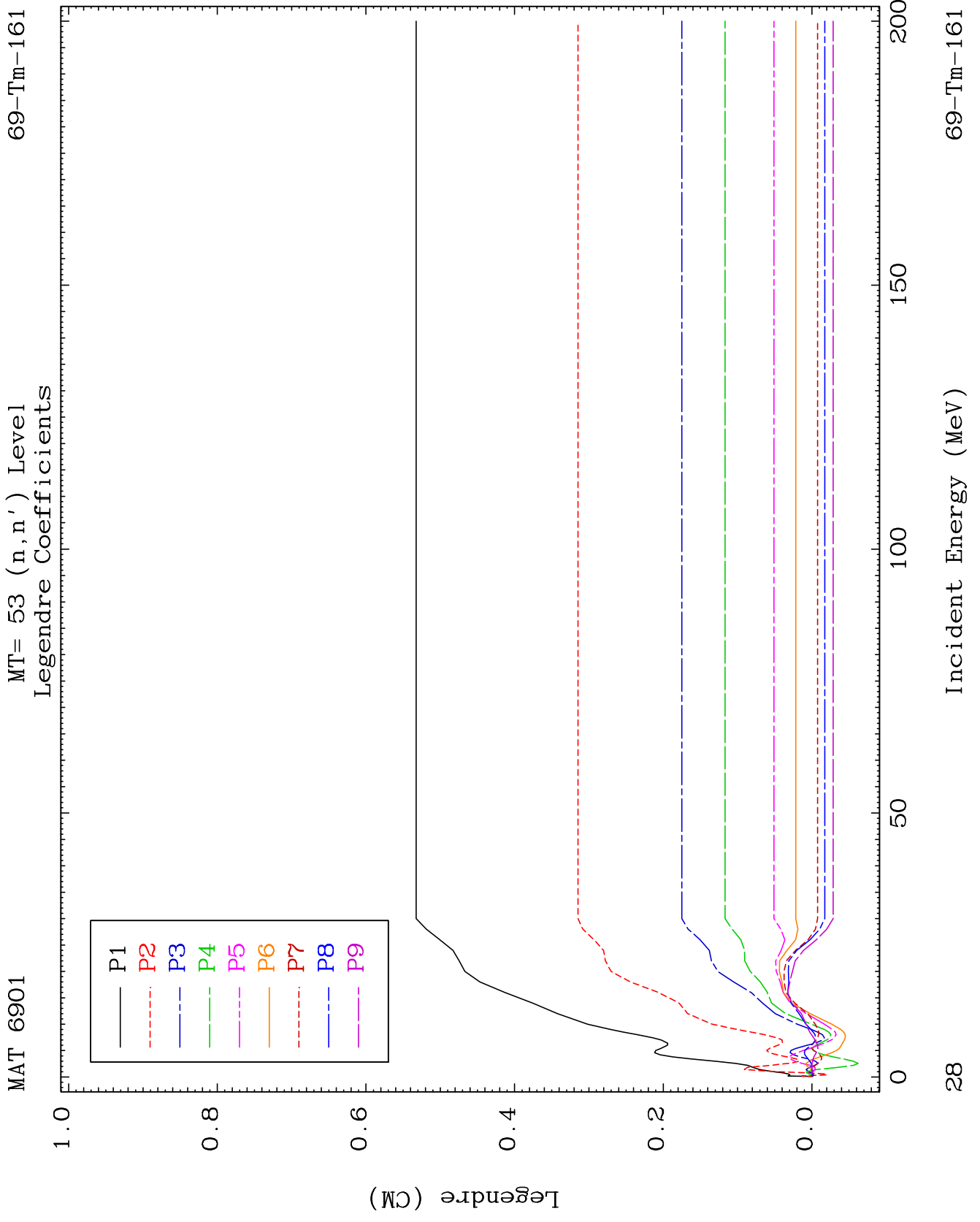








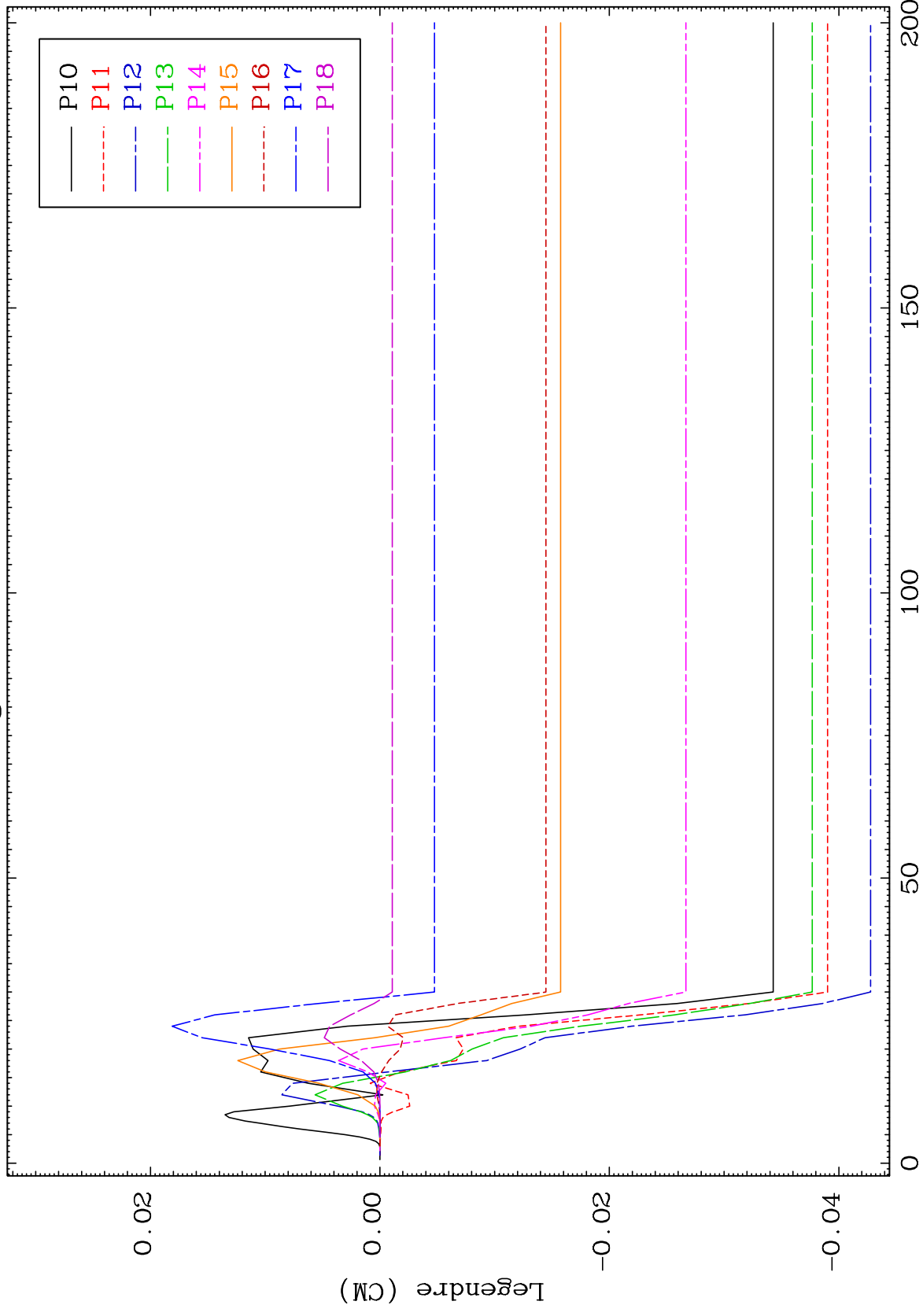




MAT 6901

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

69-Tm-161



29

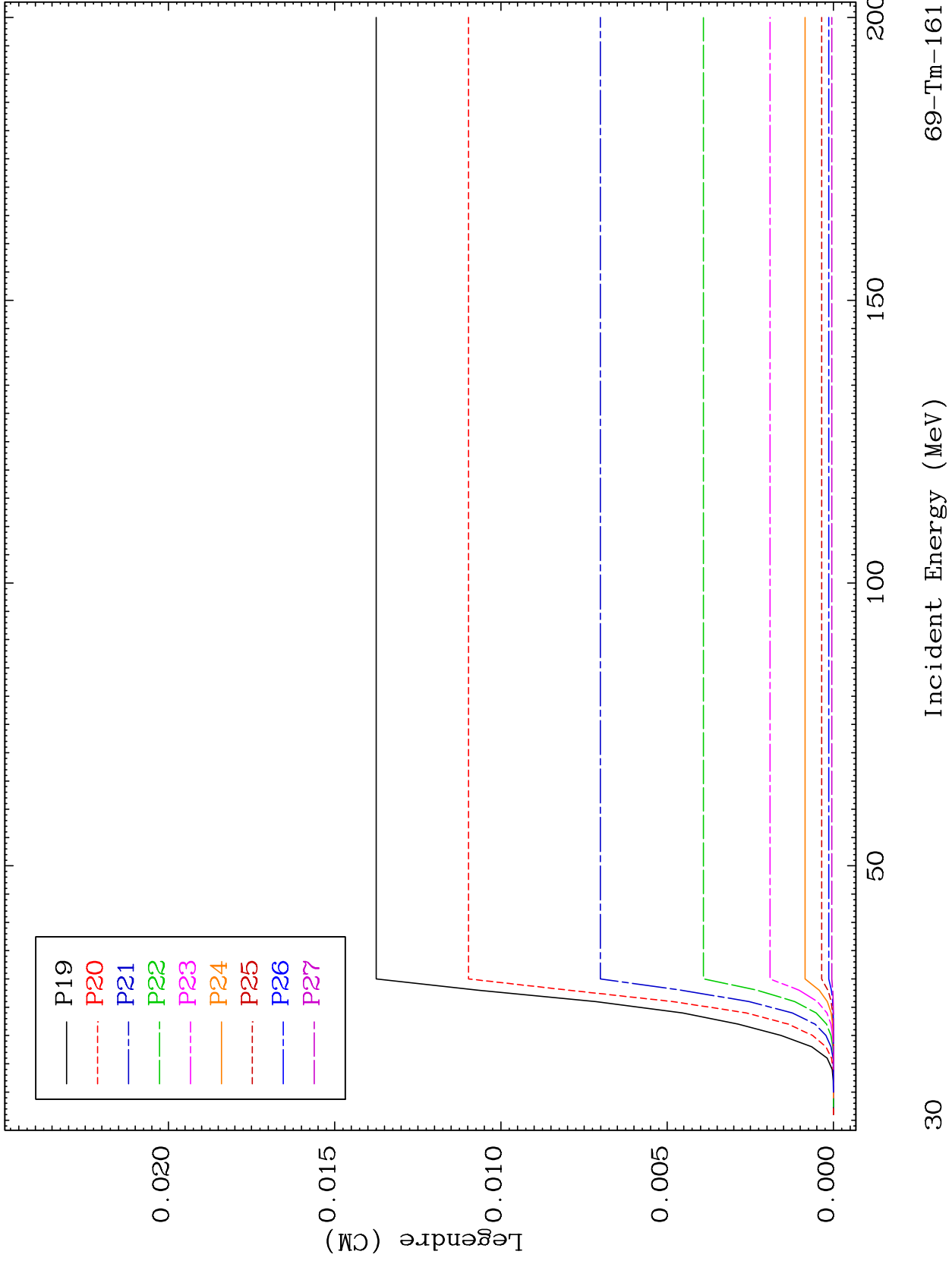
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161



30

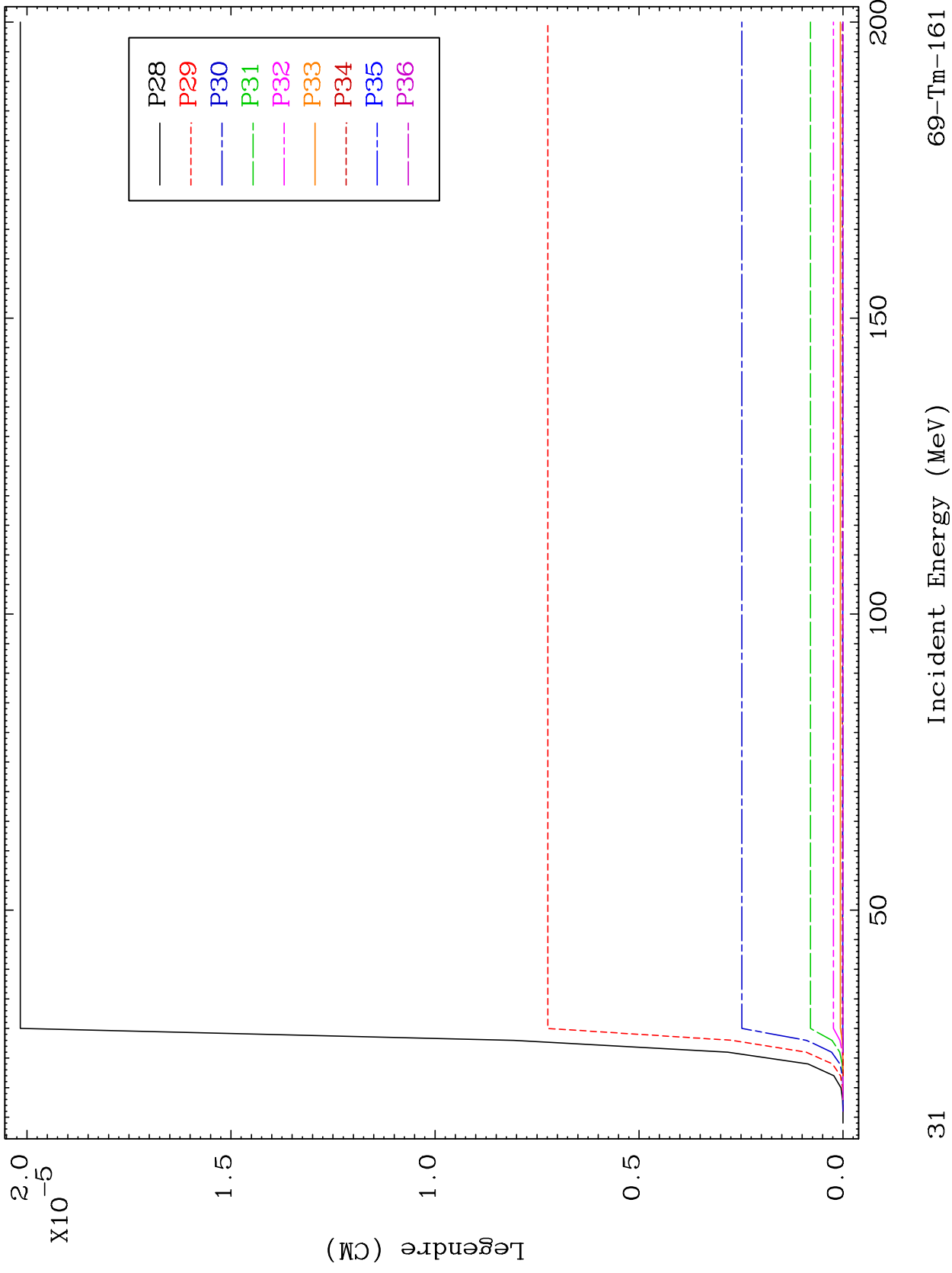
Incident Energy (MeV)

69-Tm-161

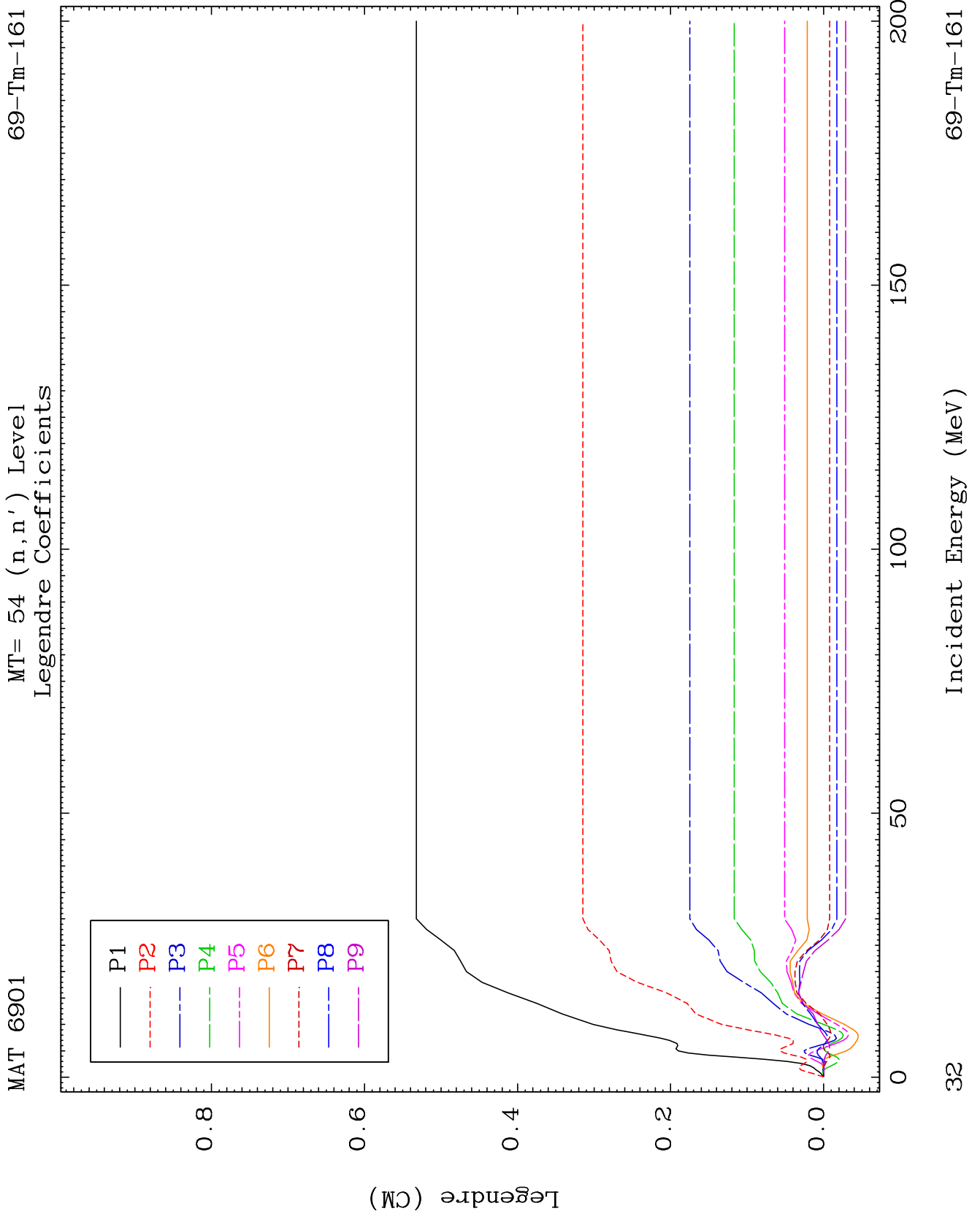
MAT 6901

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

69-Tm-161



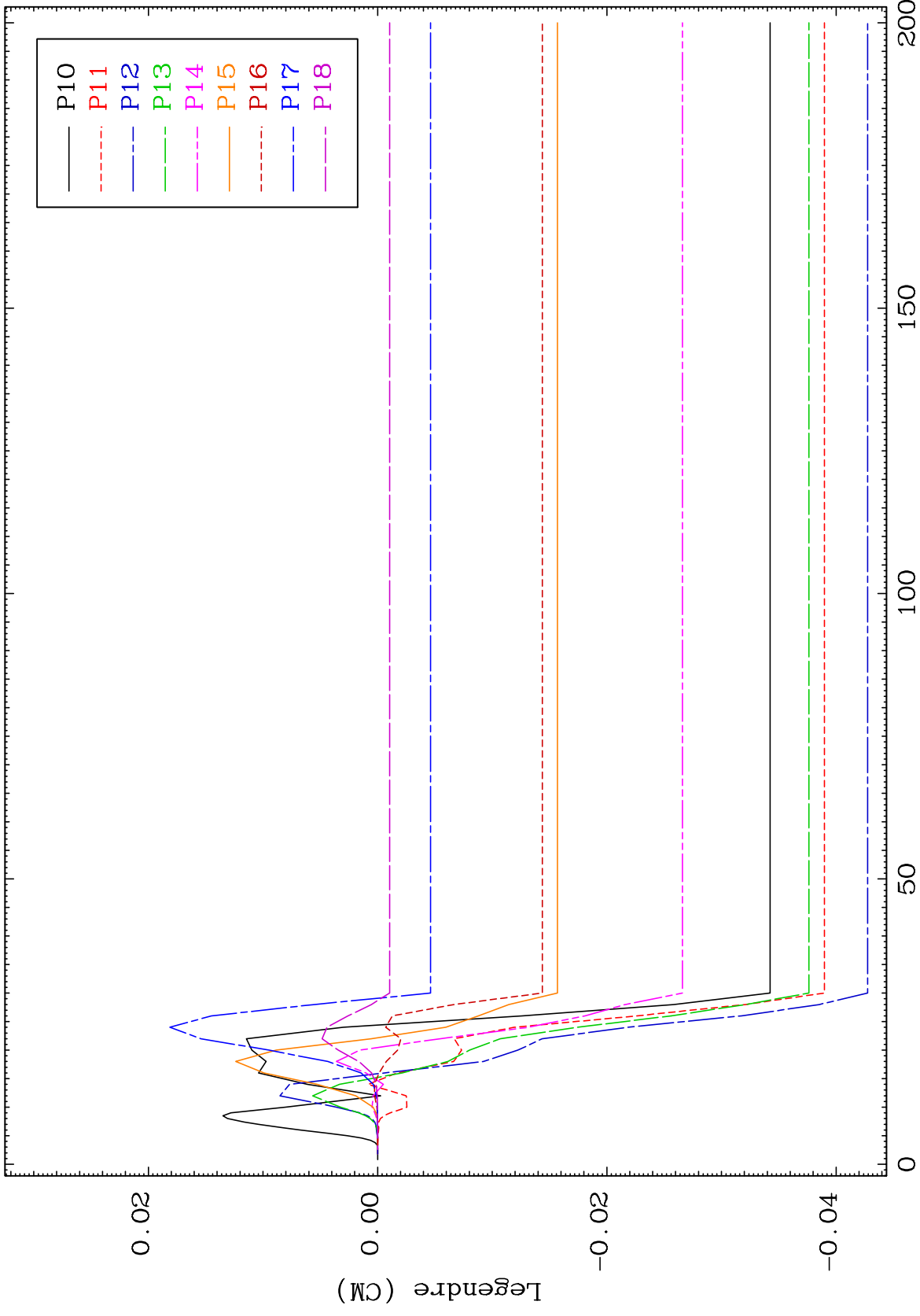




MAT 6901

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

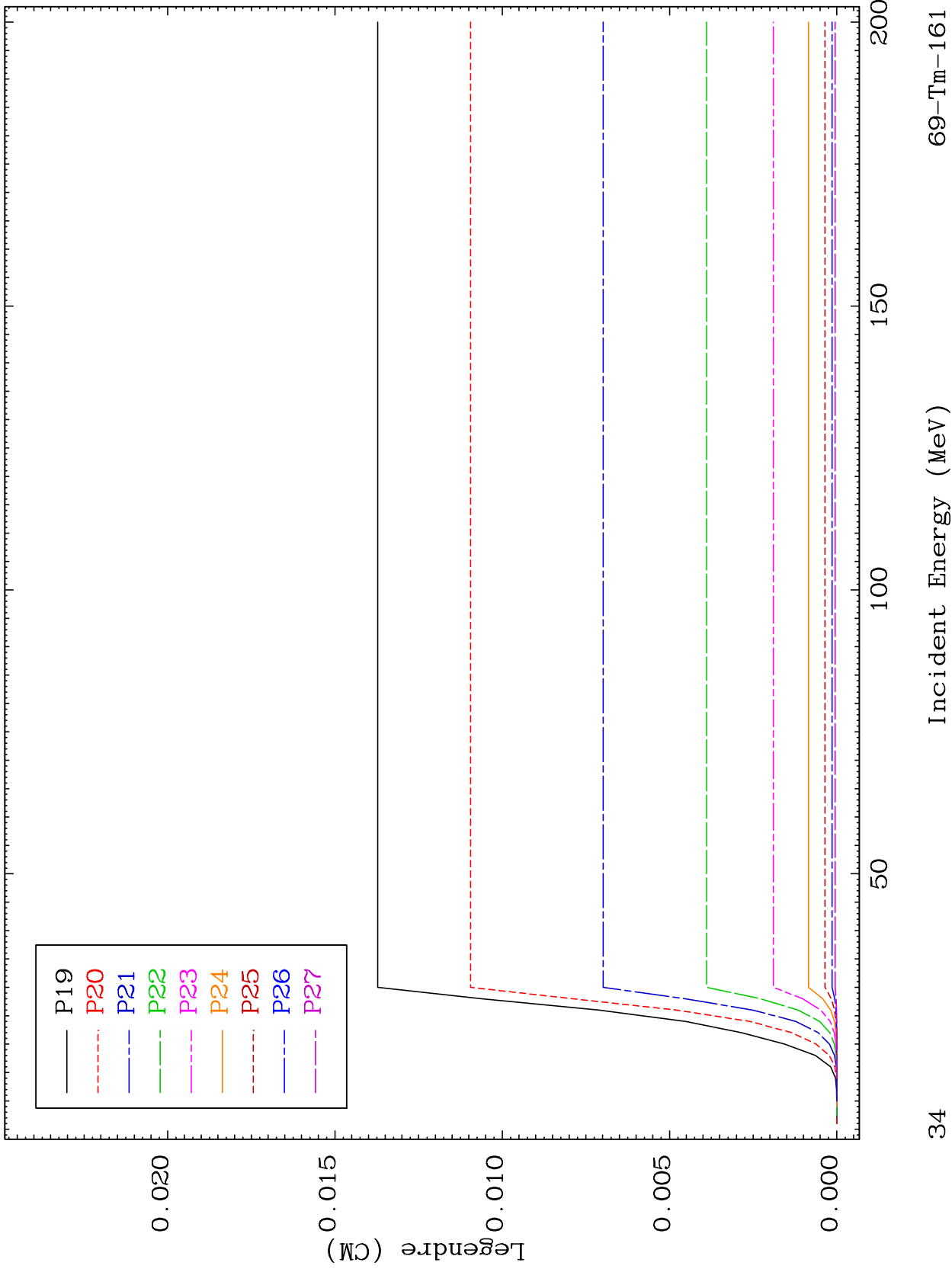
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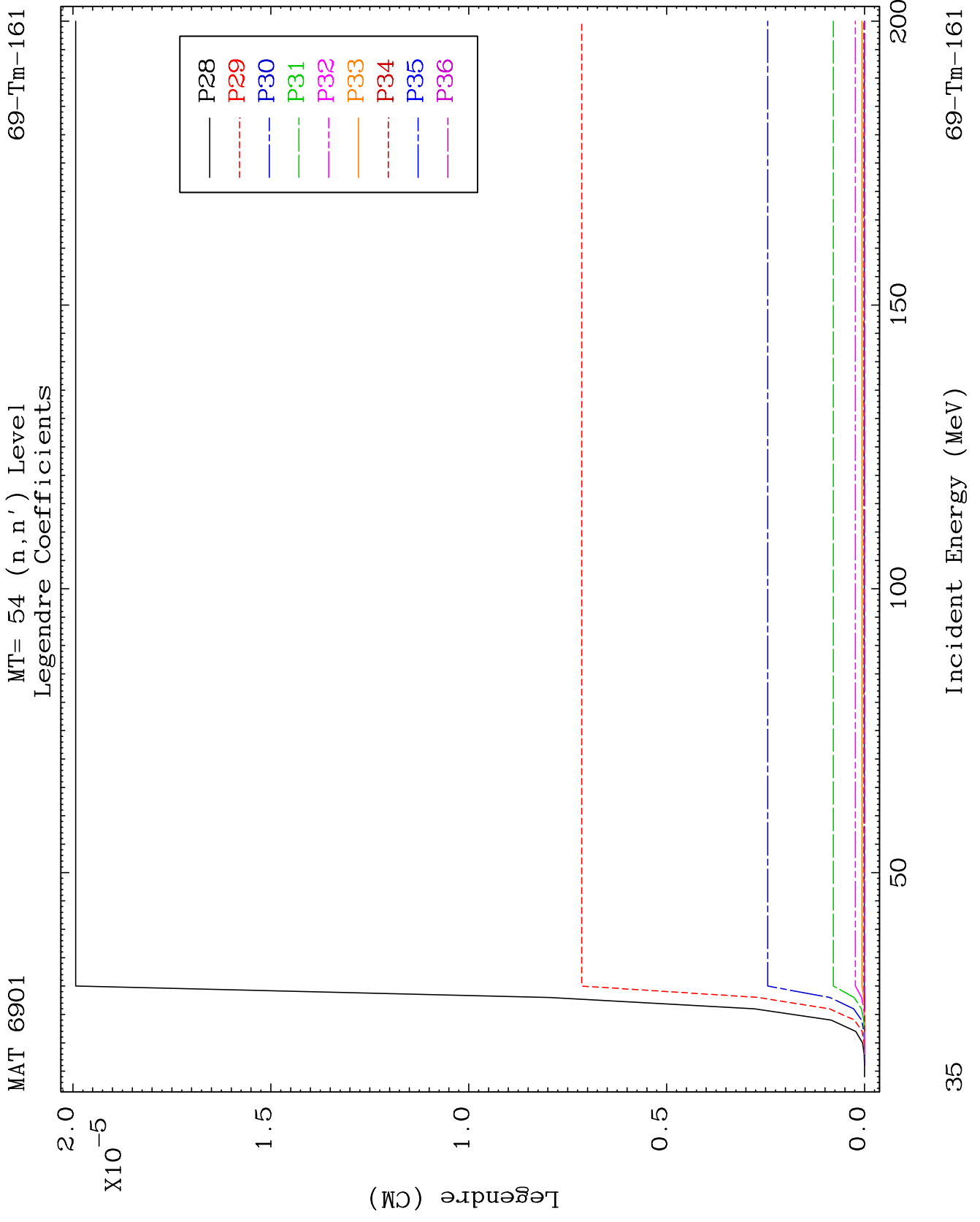


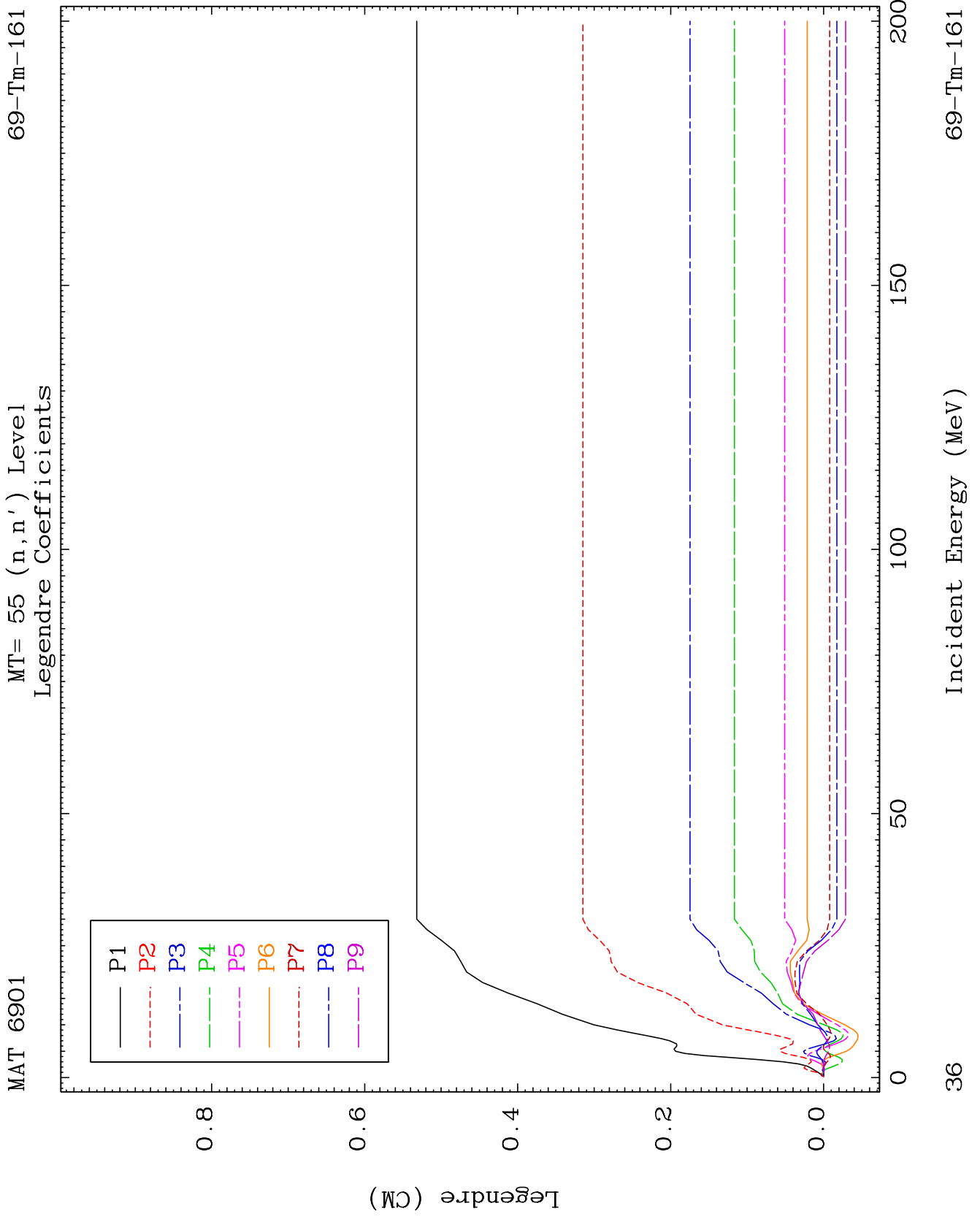
33

Incident Energy (MeV)

69-Tm-161



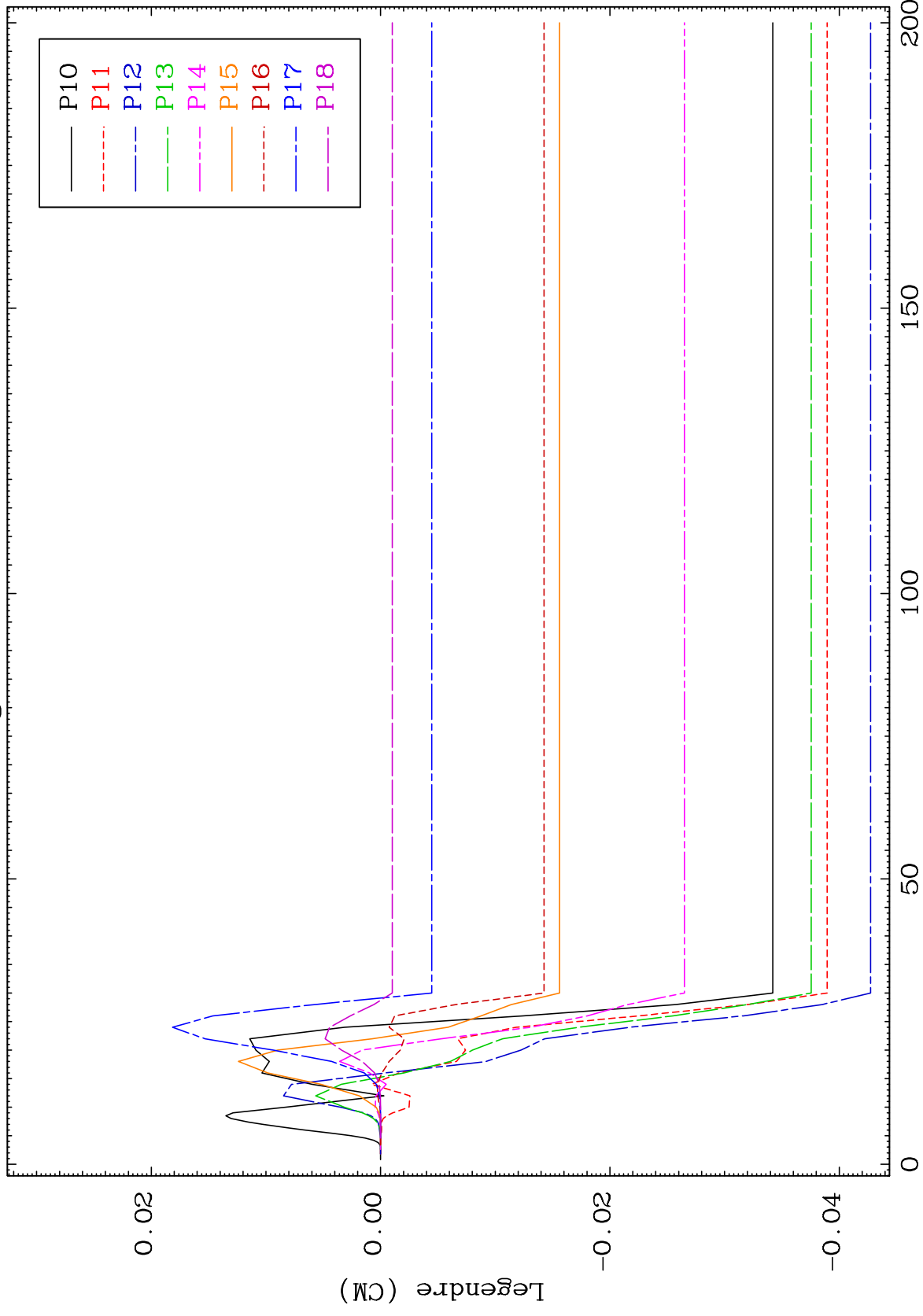




MAT 6901

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

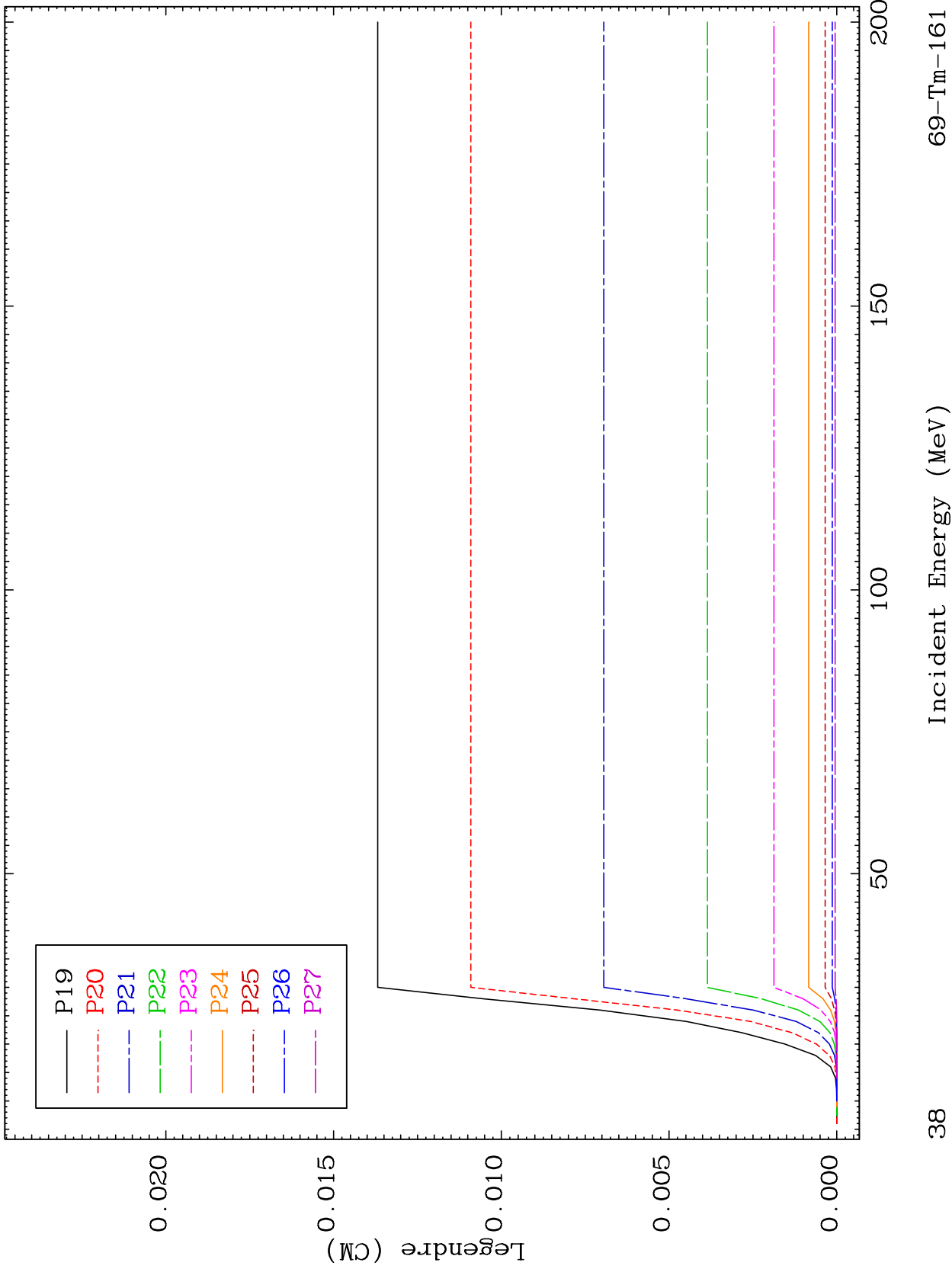
69-Tm-161

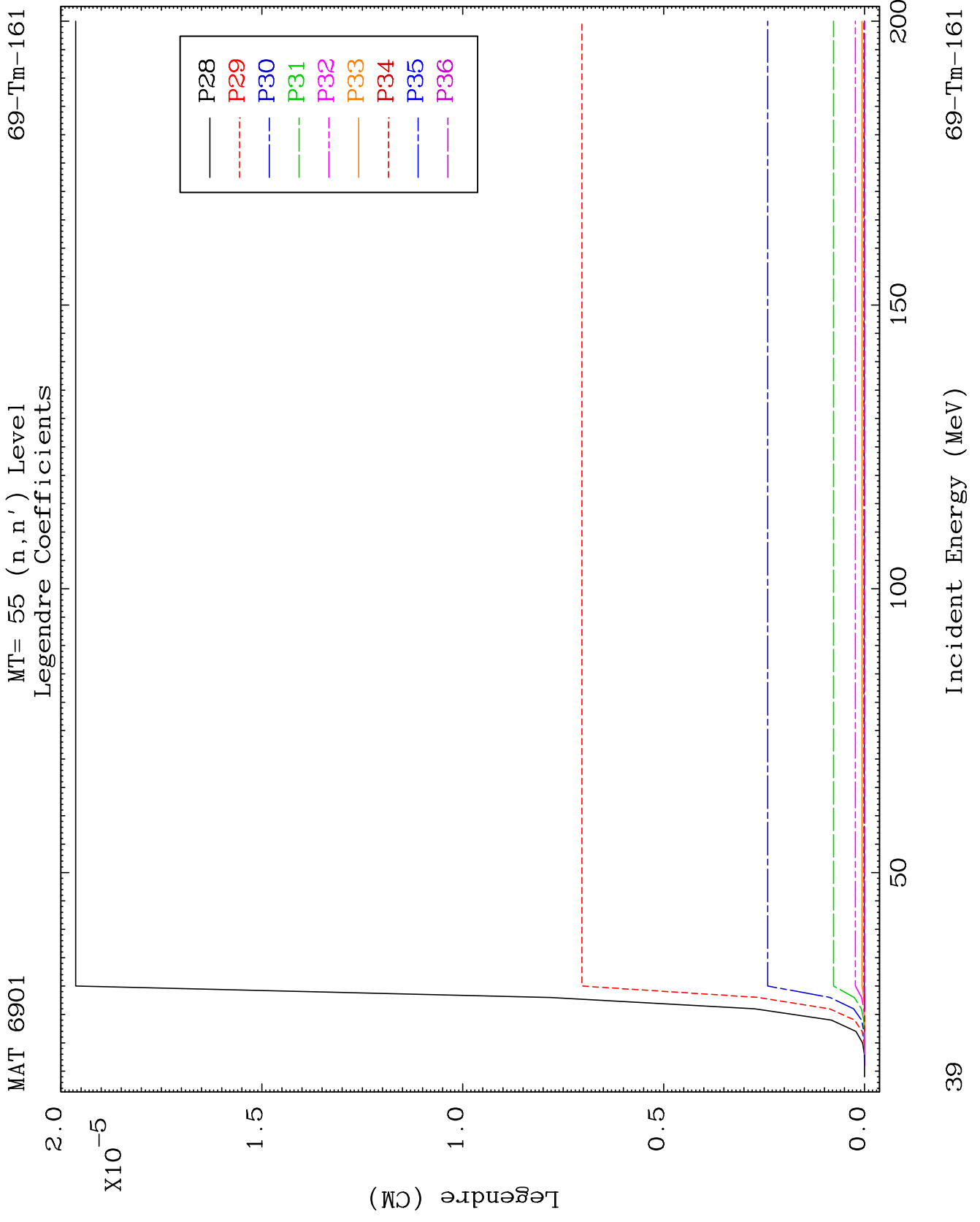


37

Incident Energy (MeV)

69-Tm-161





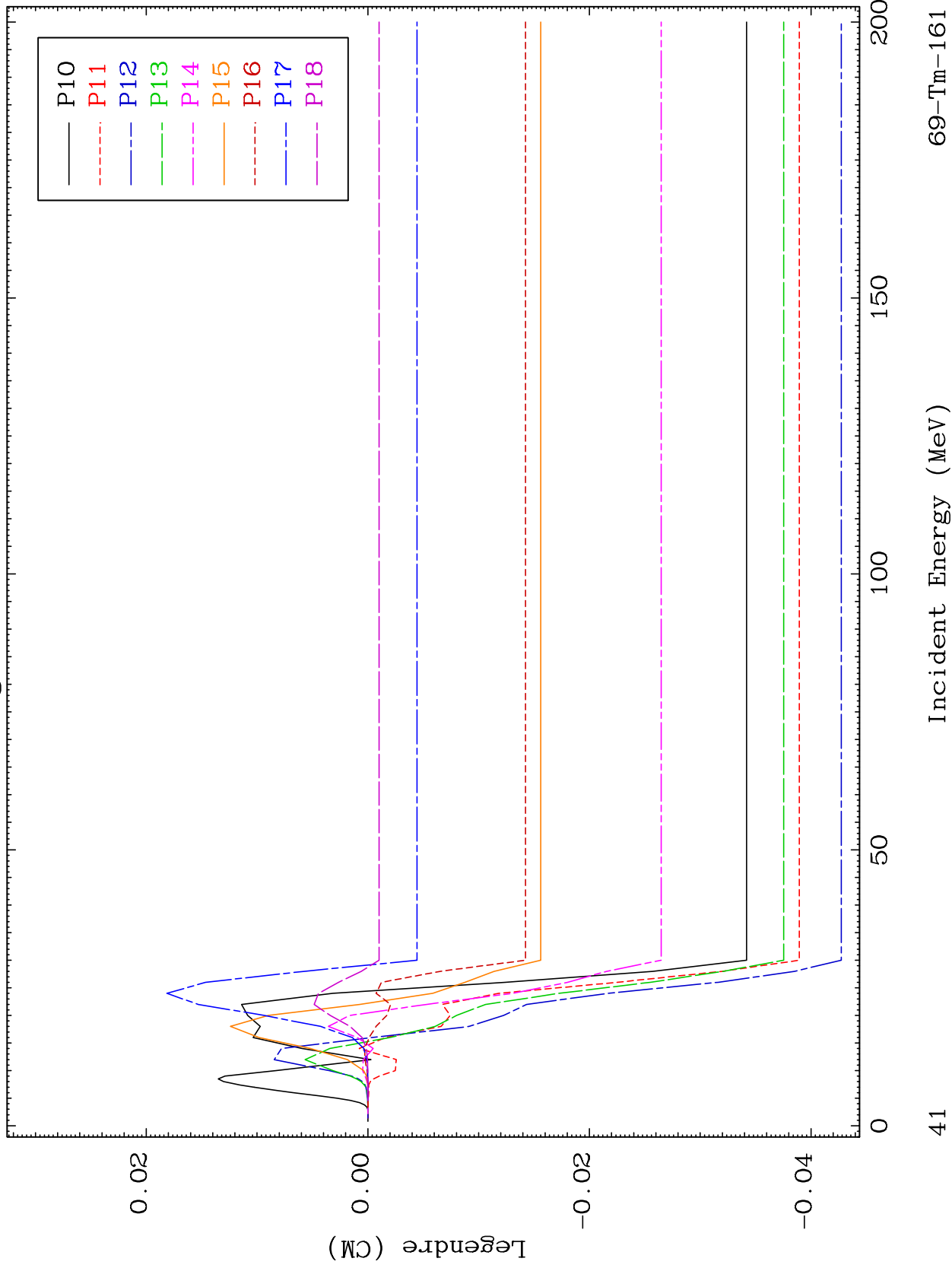




MAT 6901

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

69-Tm-161



41

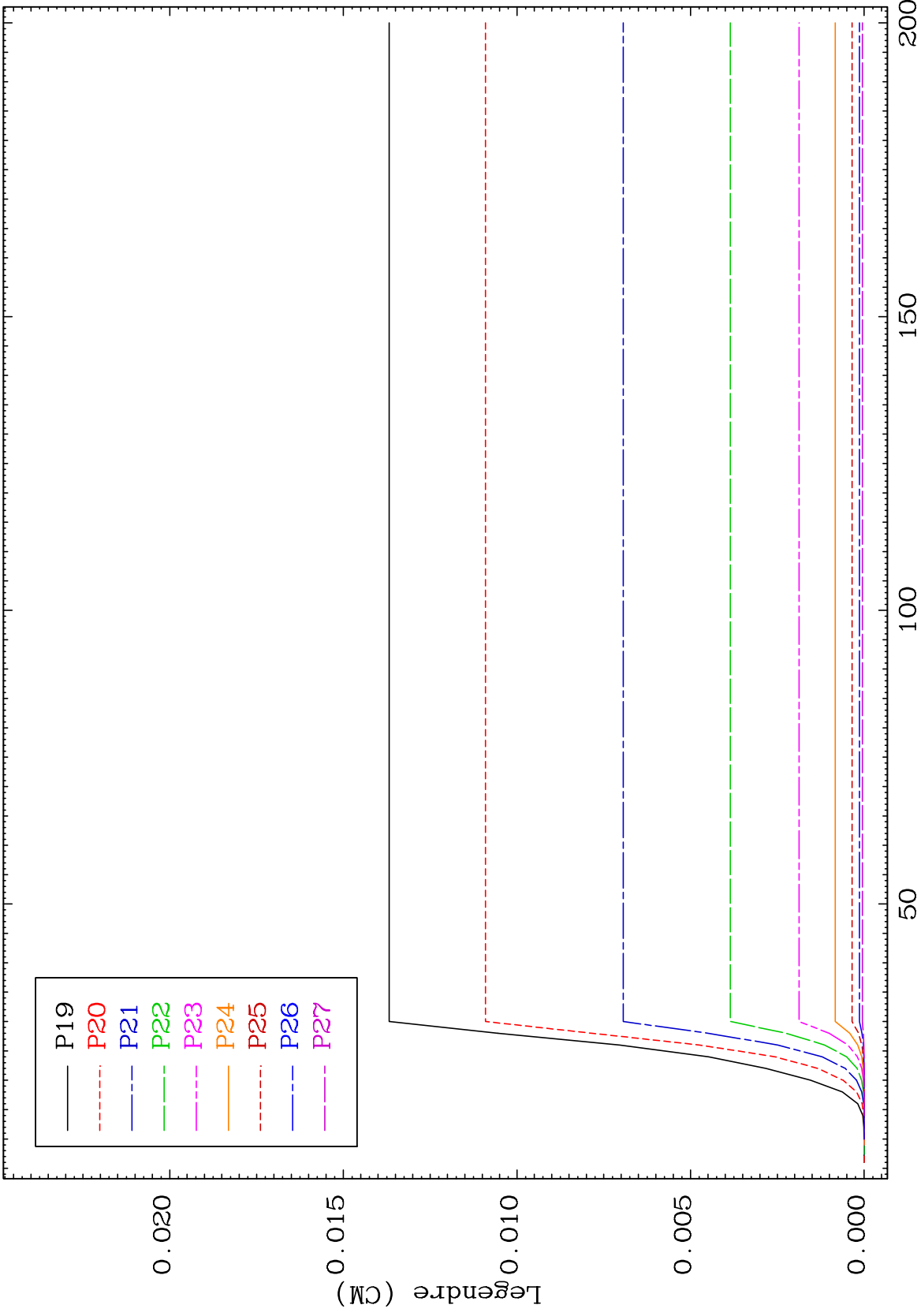
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161



42

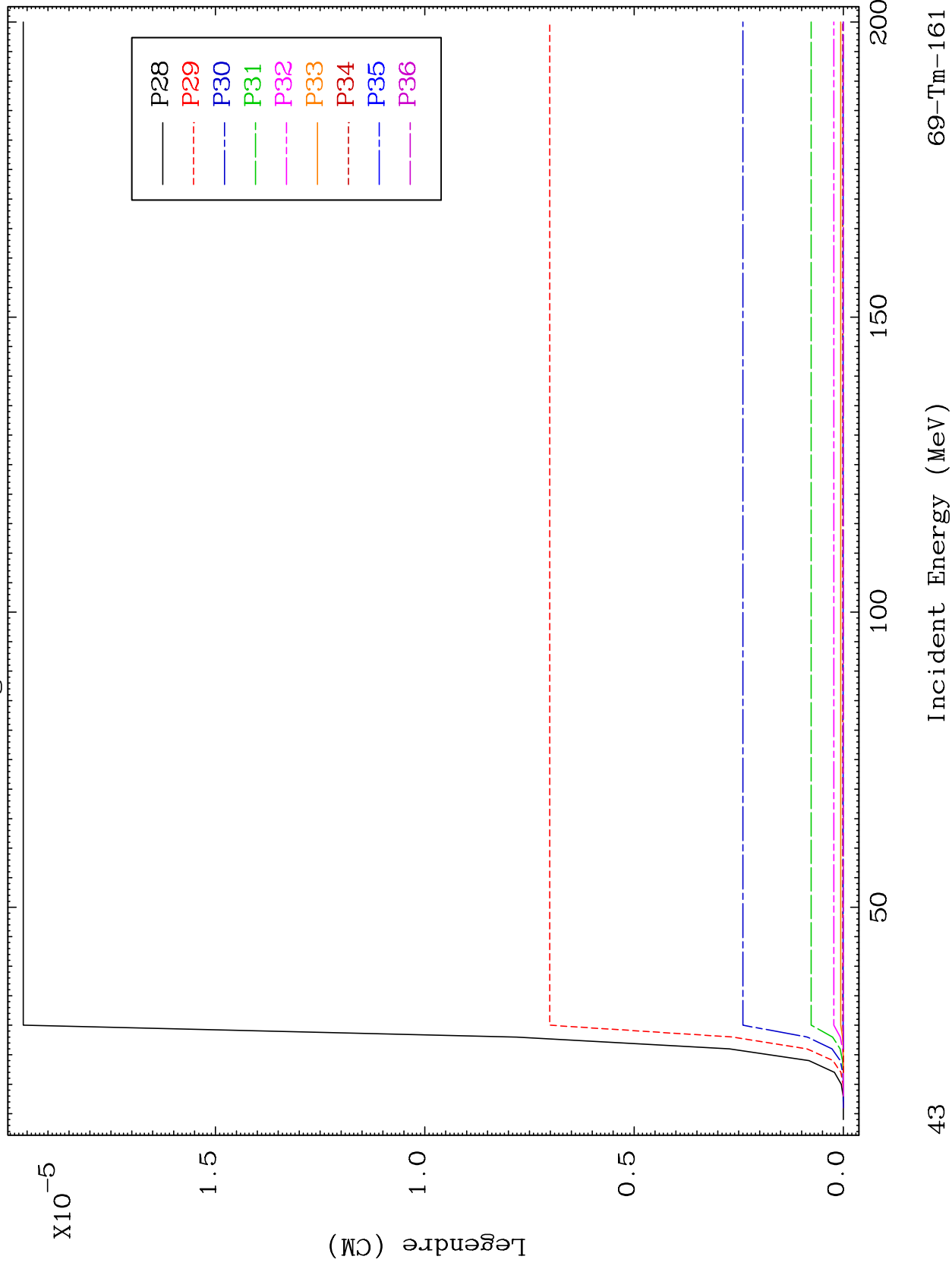
Incident Energy (MeV)

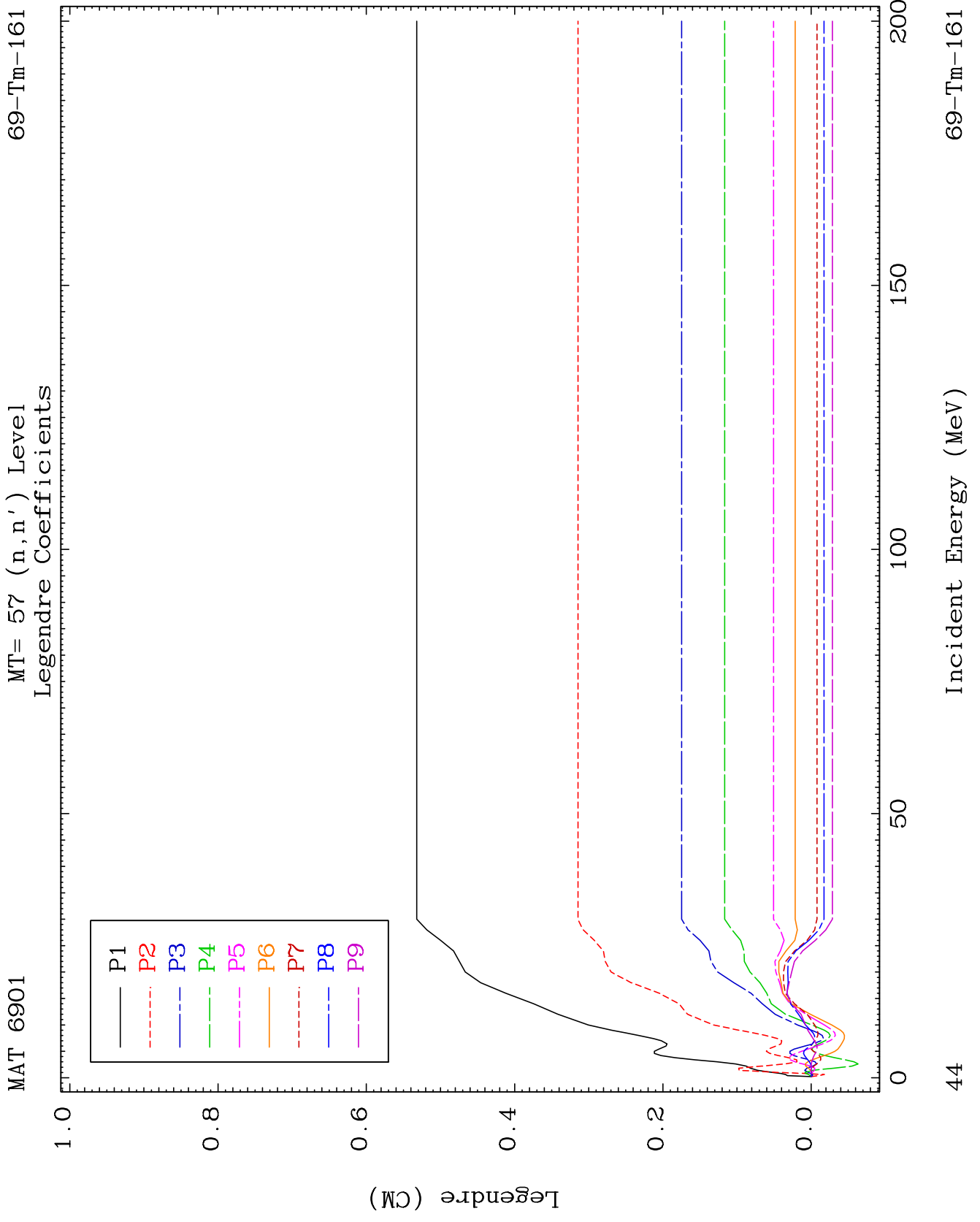
69-Tm-161

MAT 6901

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

69-Tm-161

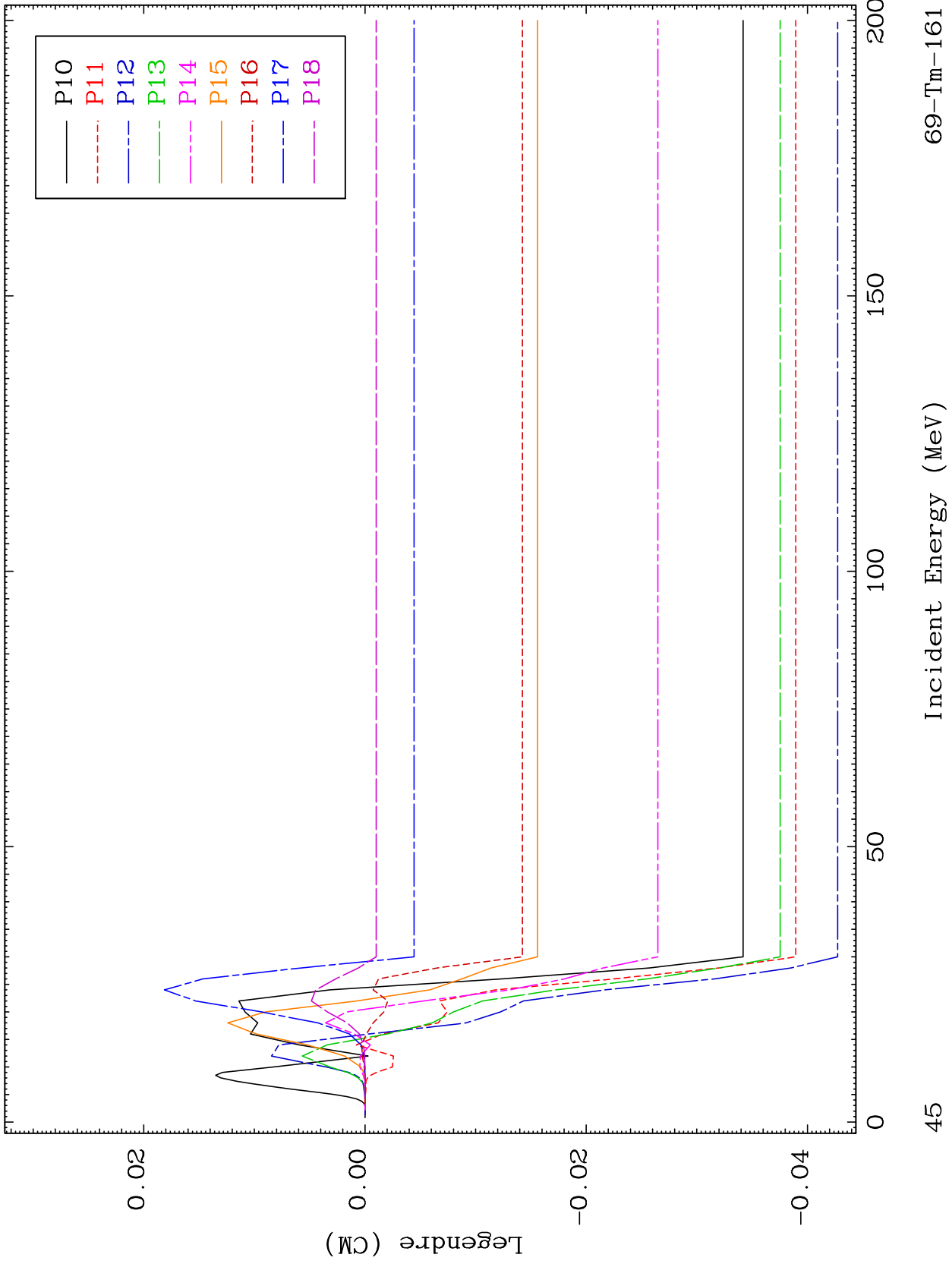




MAT 6901

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

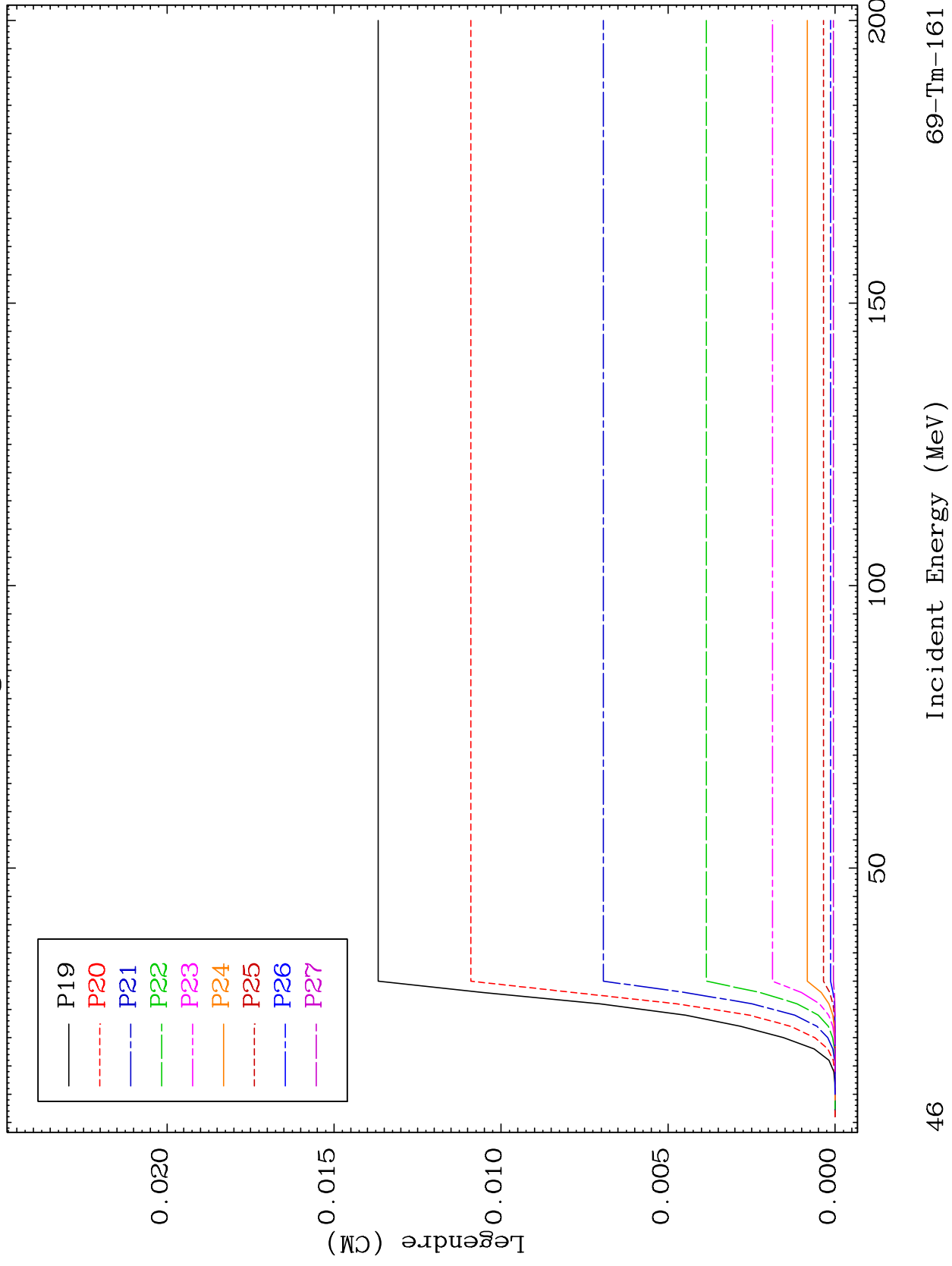
69-Tm-161



MAT 6901

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

69-Tm-161



46

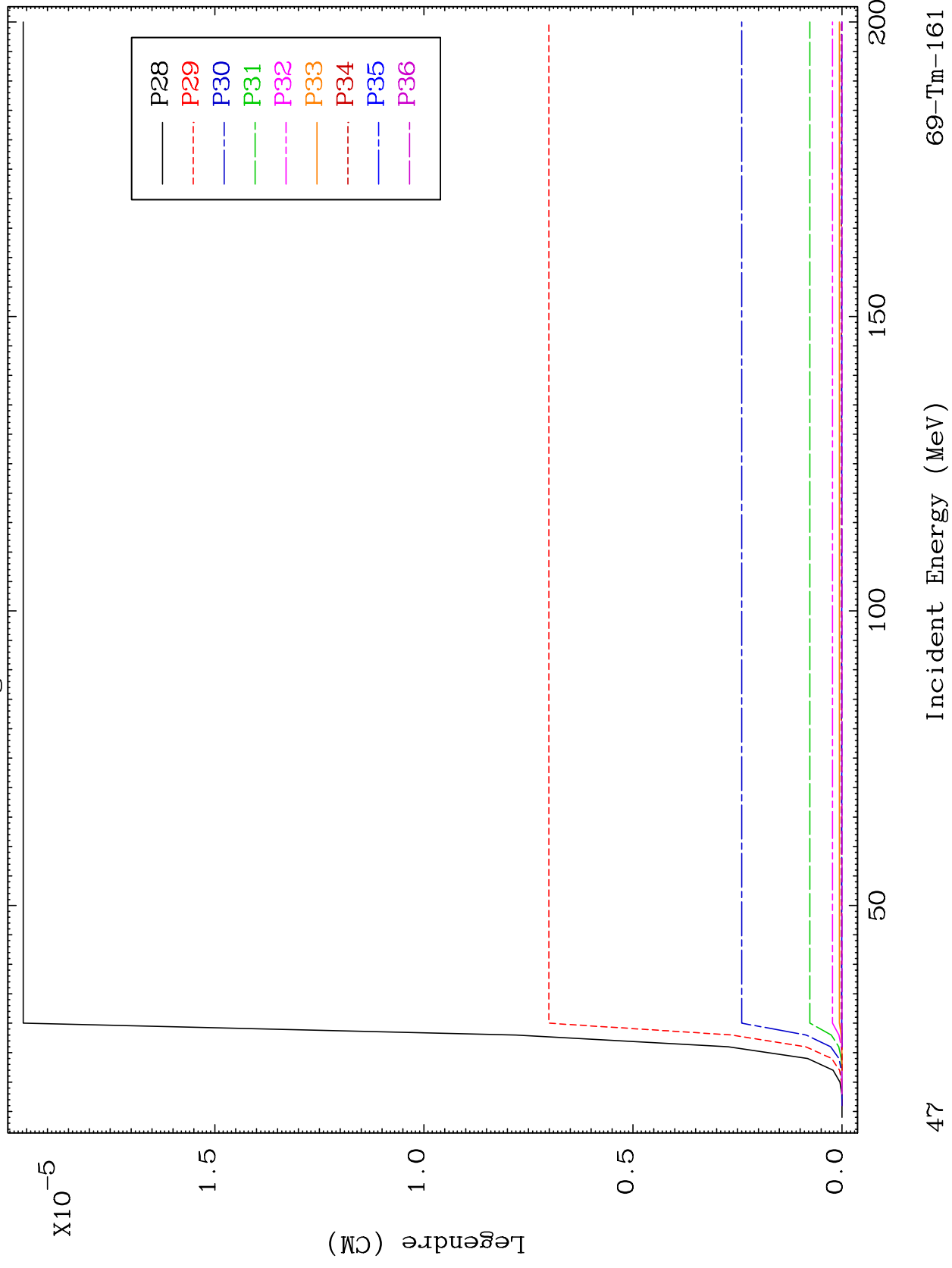
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161



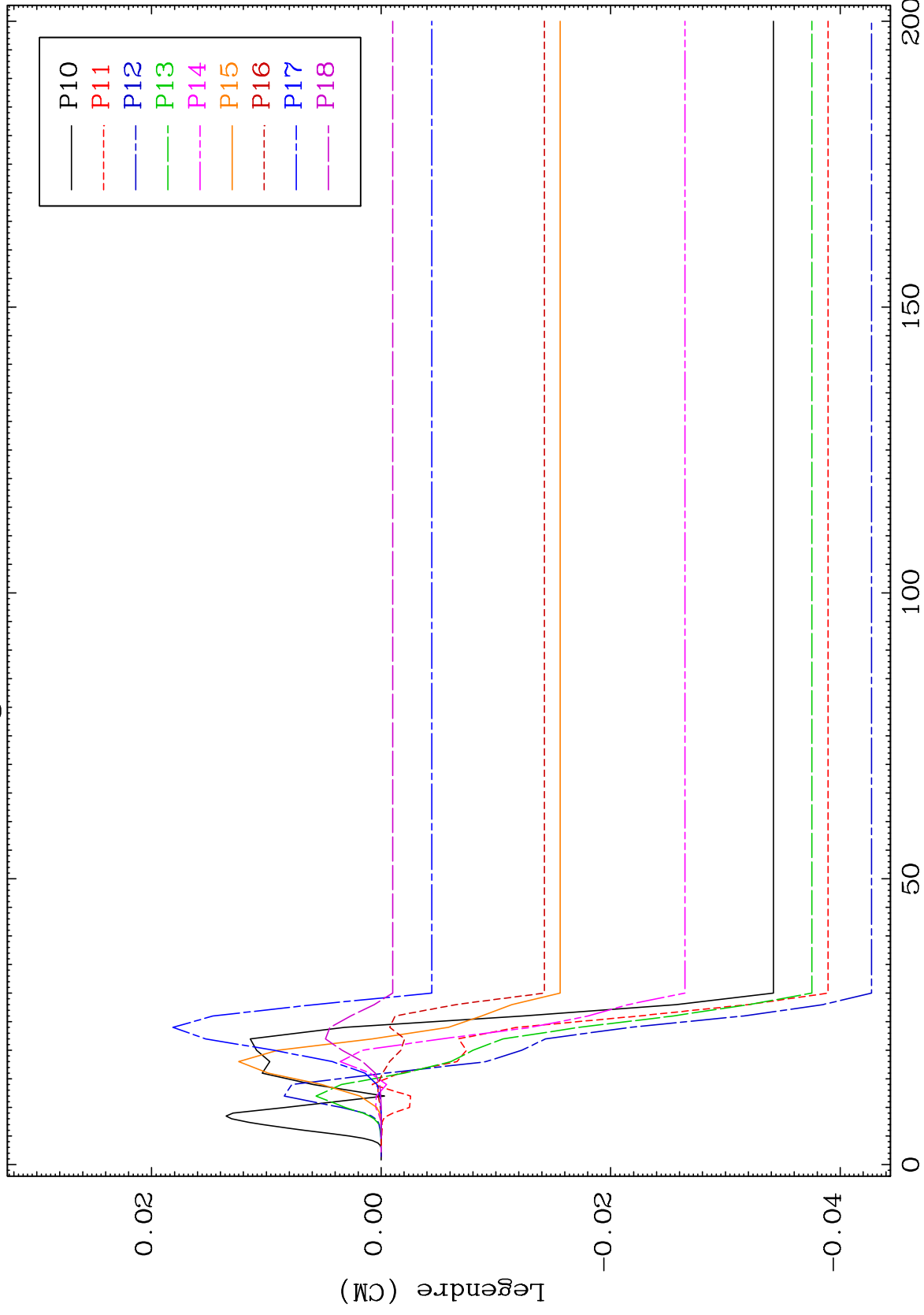




MAT 6901

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

69-Tm-161



49

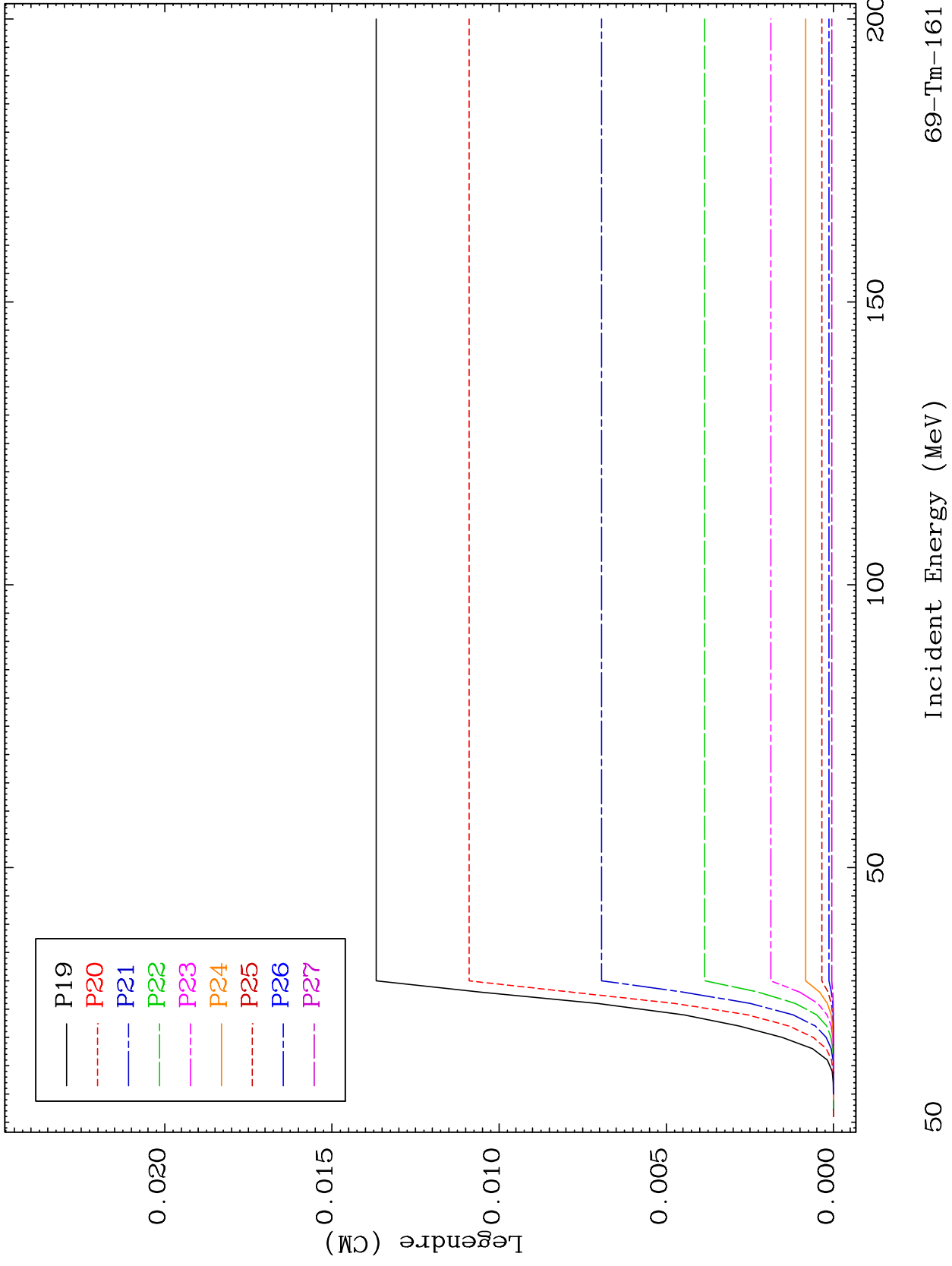
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161



69-Tm-161

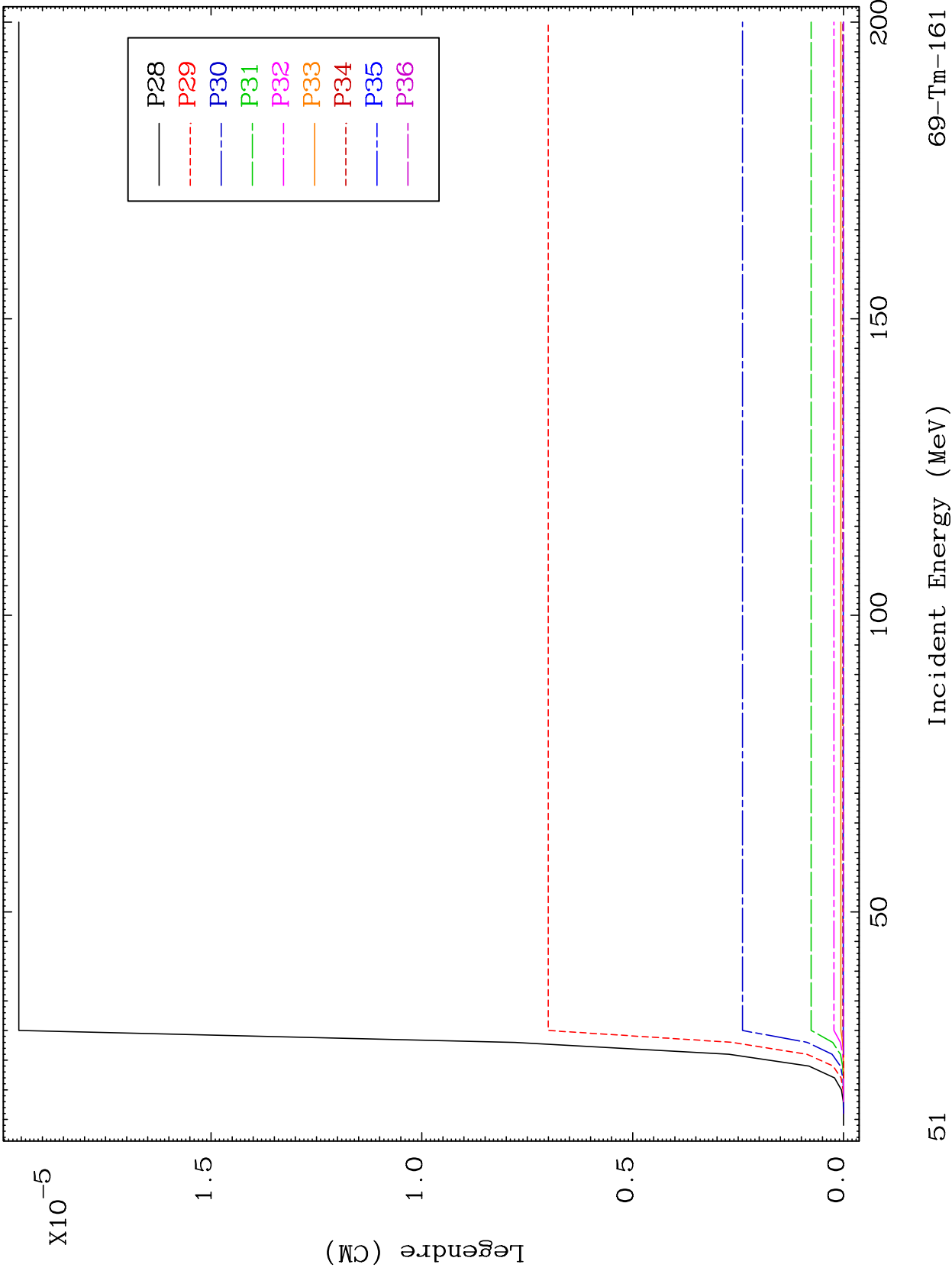
Incident Energy (MeV)

50

MAT 6901

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

69-Tm-161



51

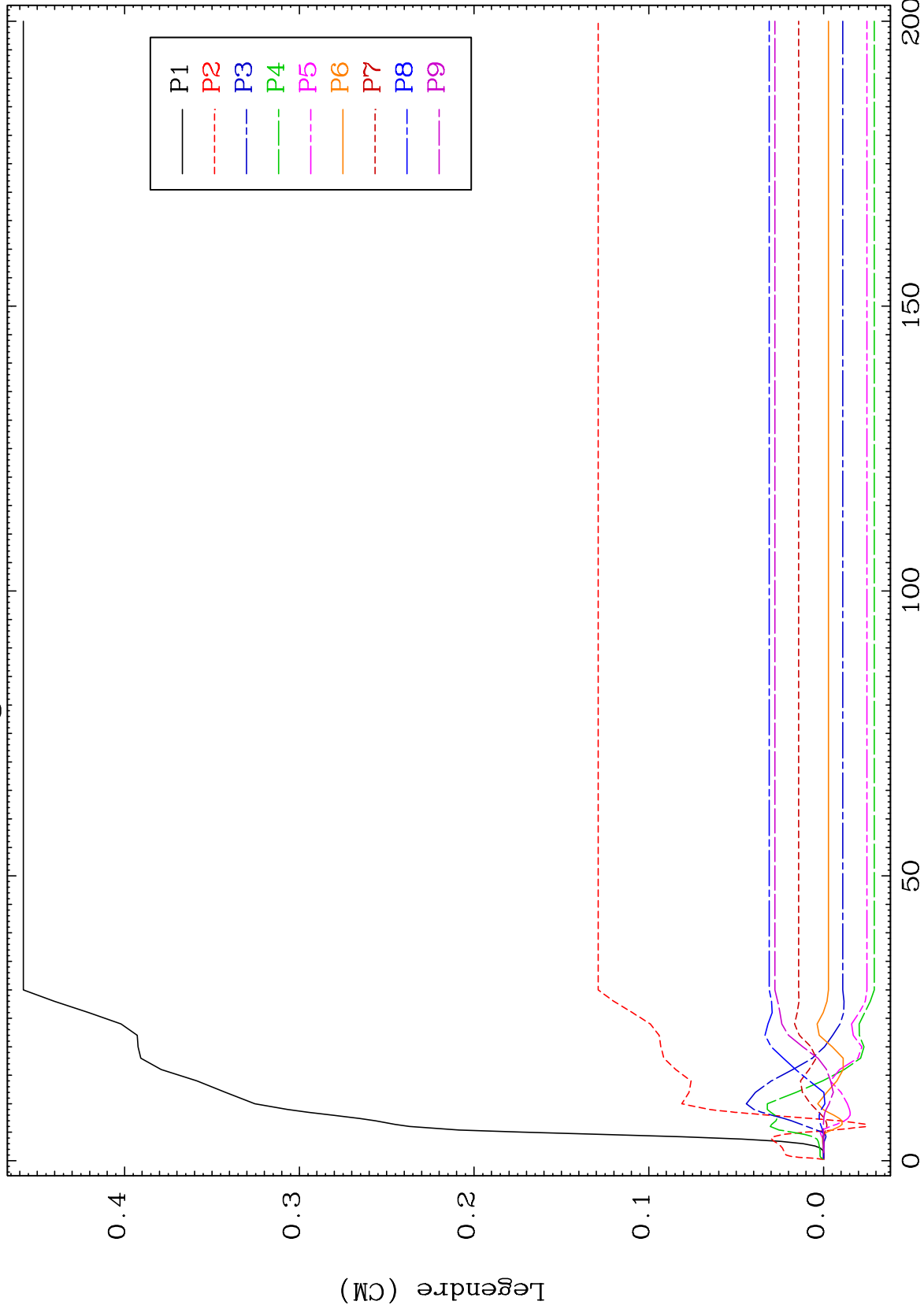
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161



52

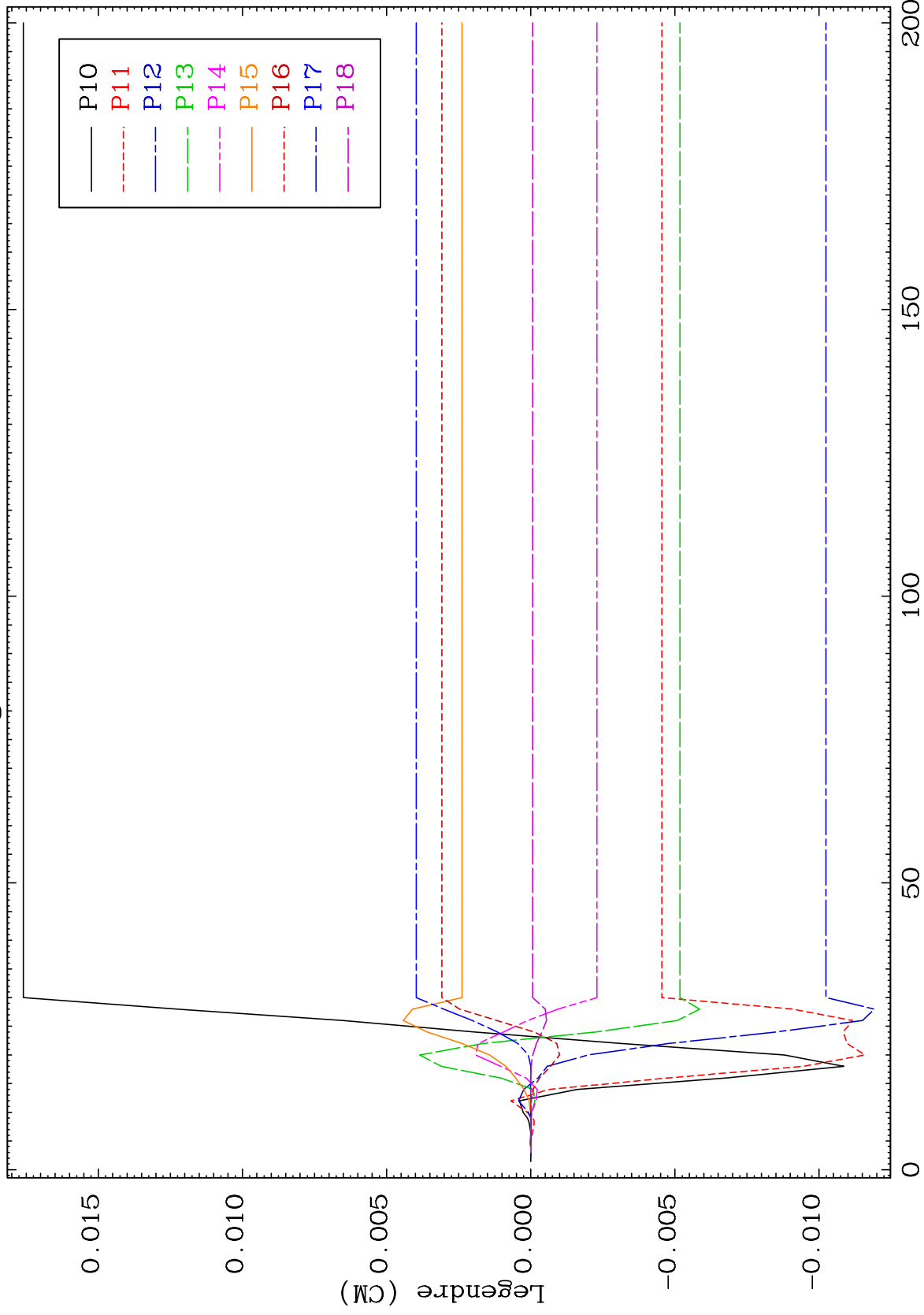
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

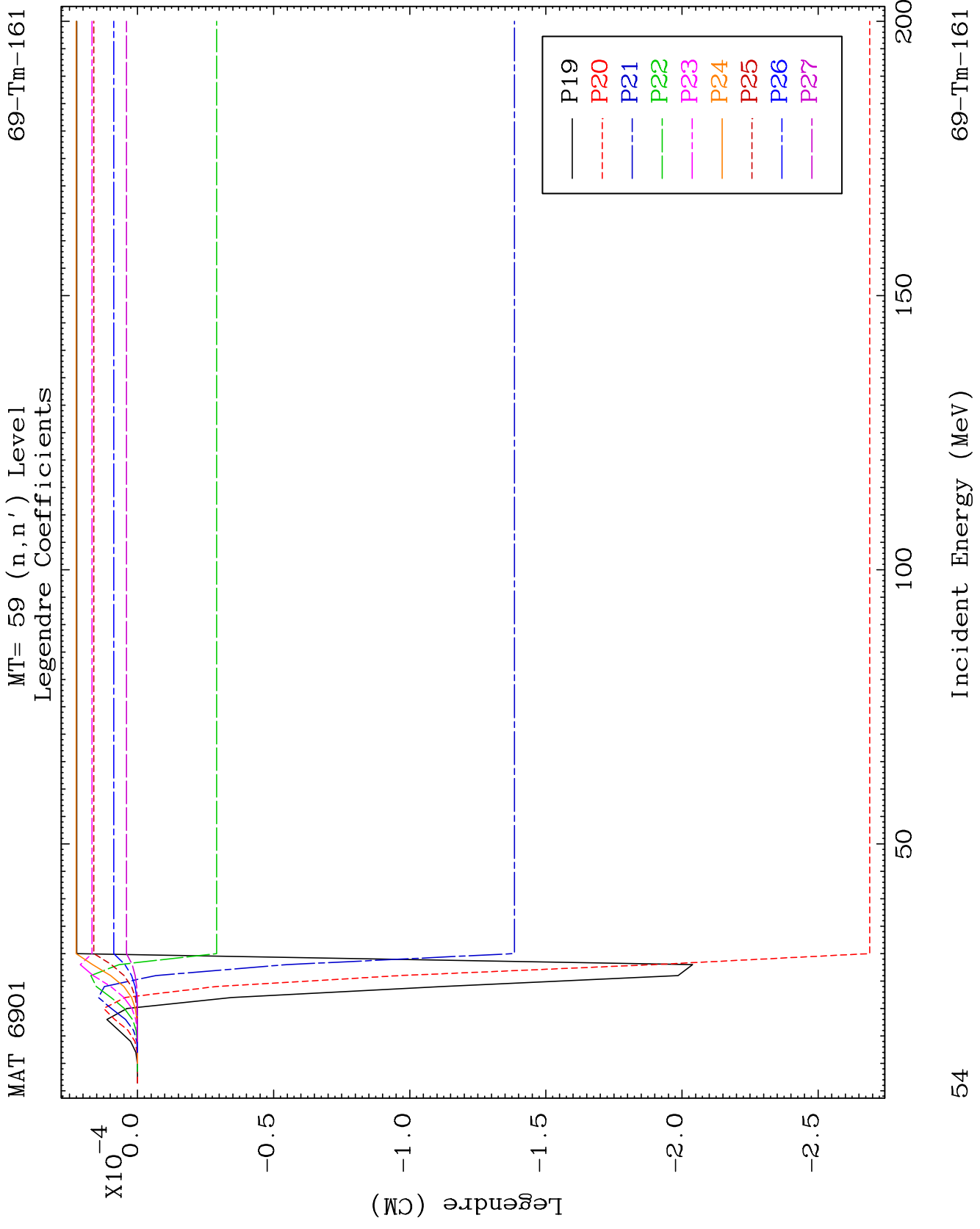
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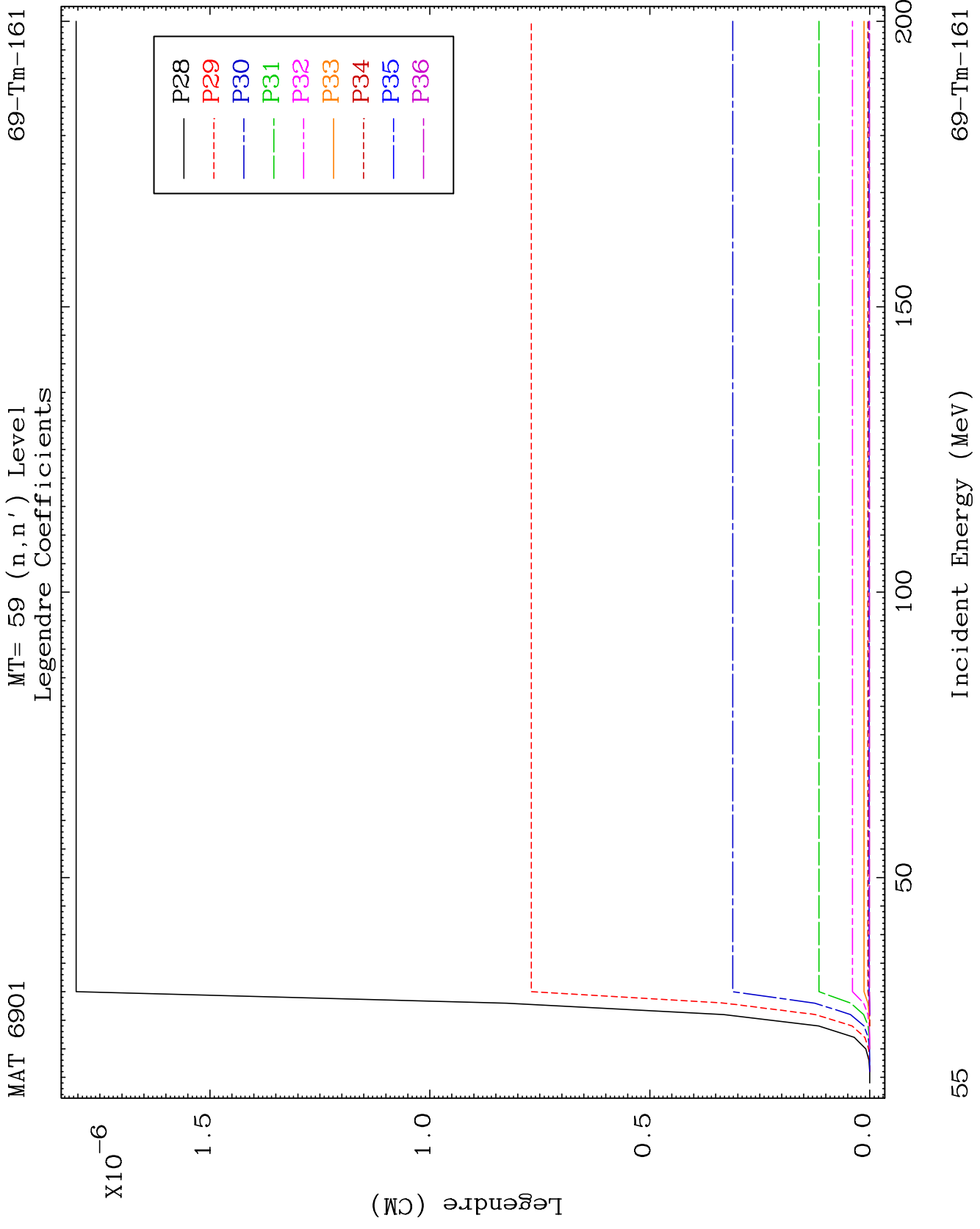


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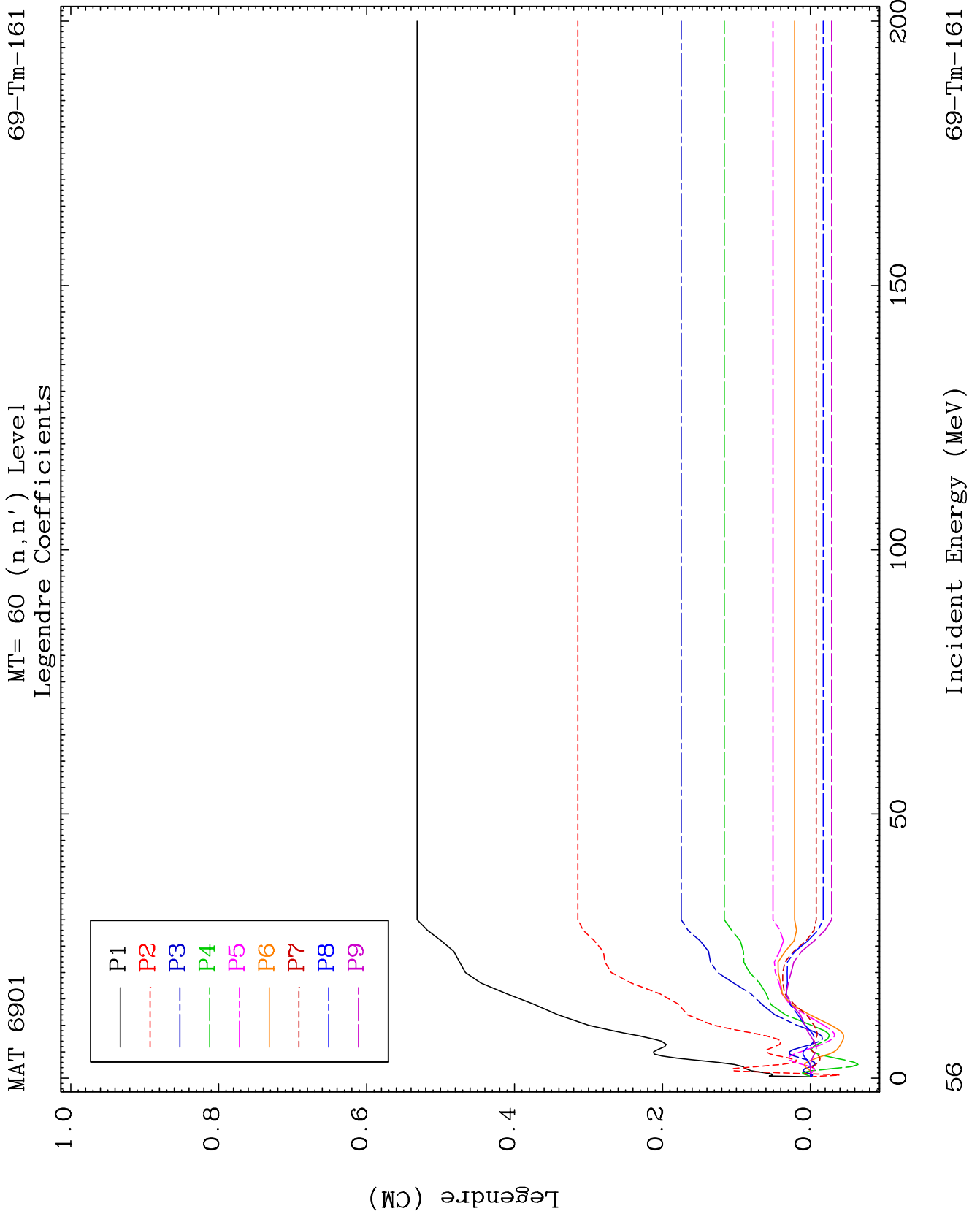
Incident Energy (MeV)

69-Tm-161





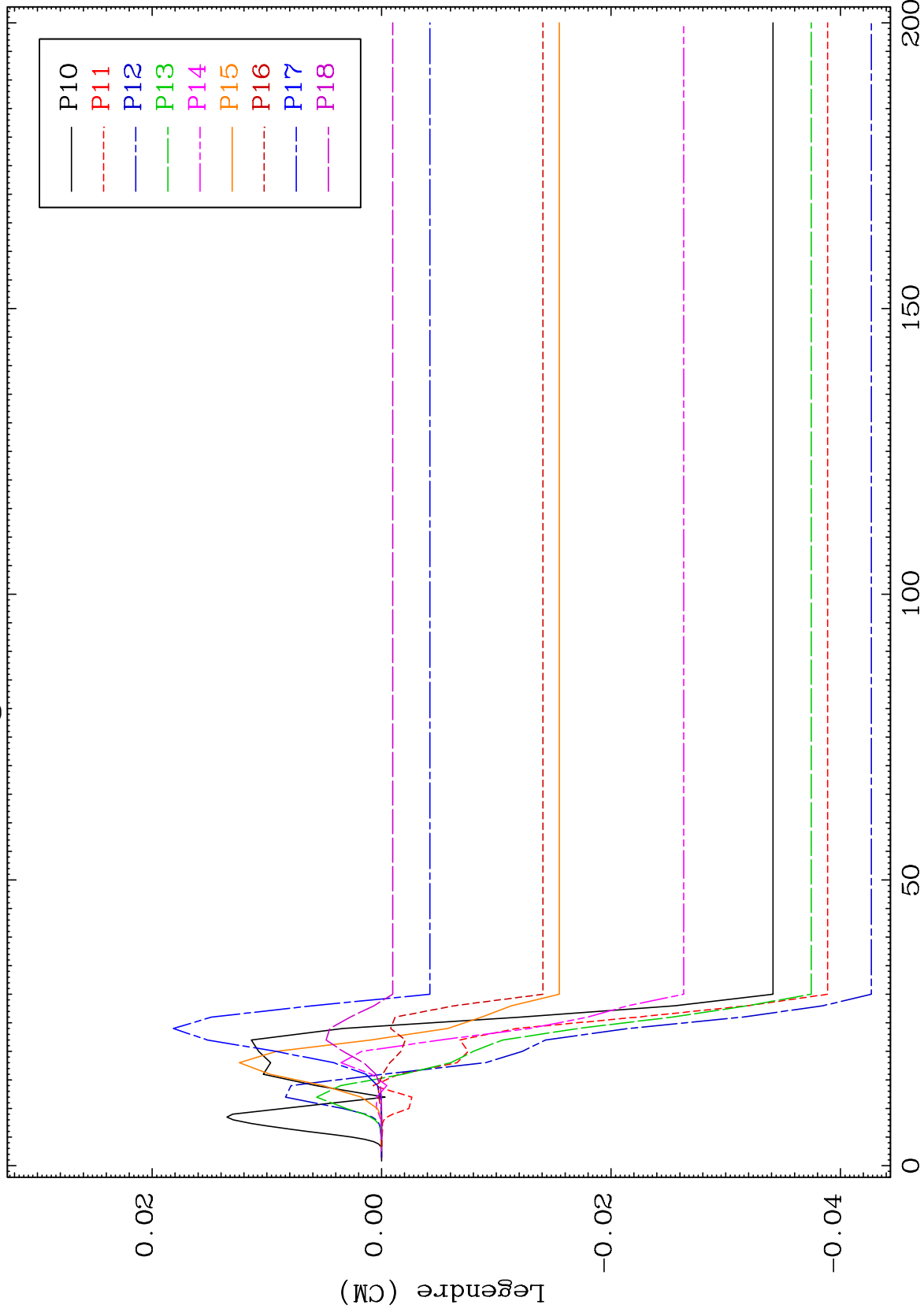




MAT 6901

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

69-Tm-161



57

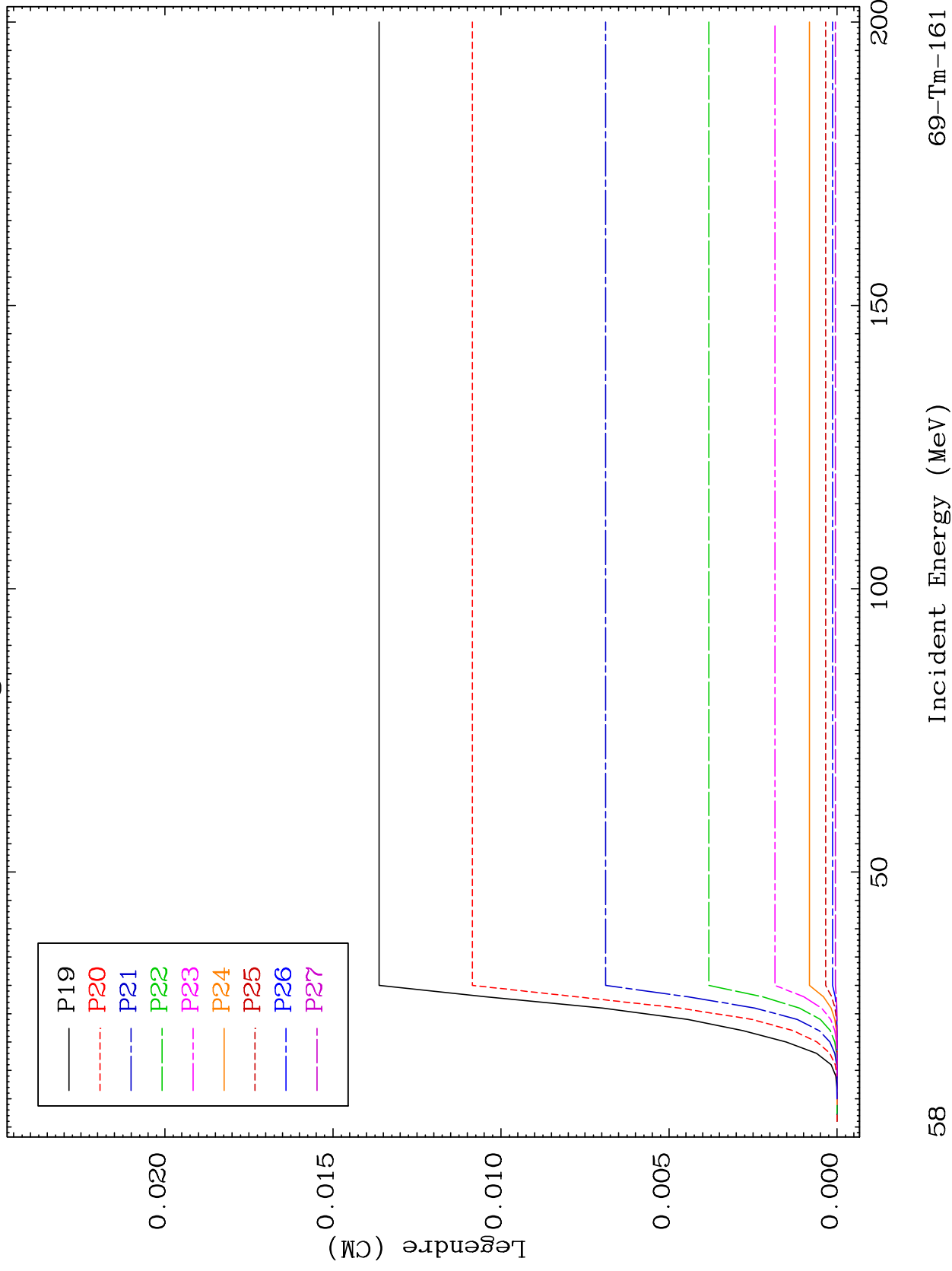
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

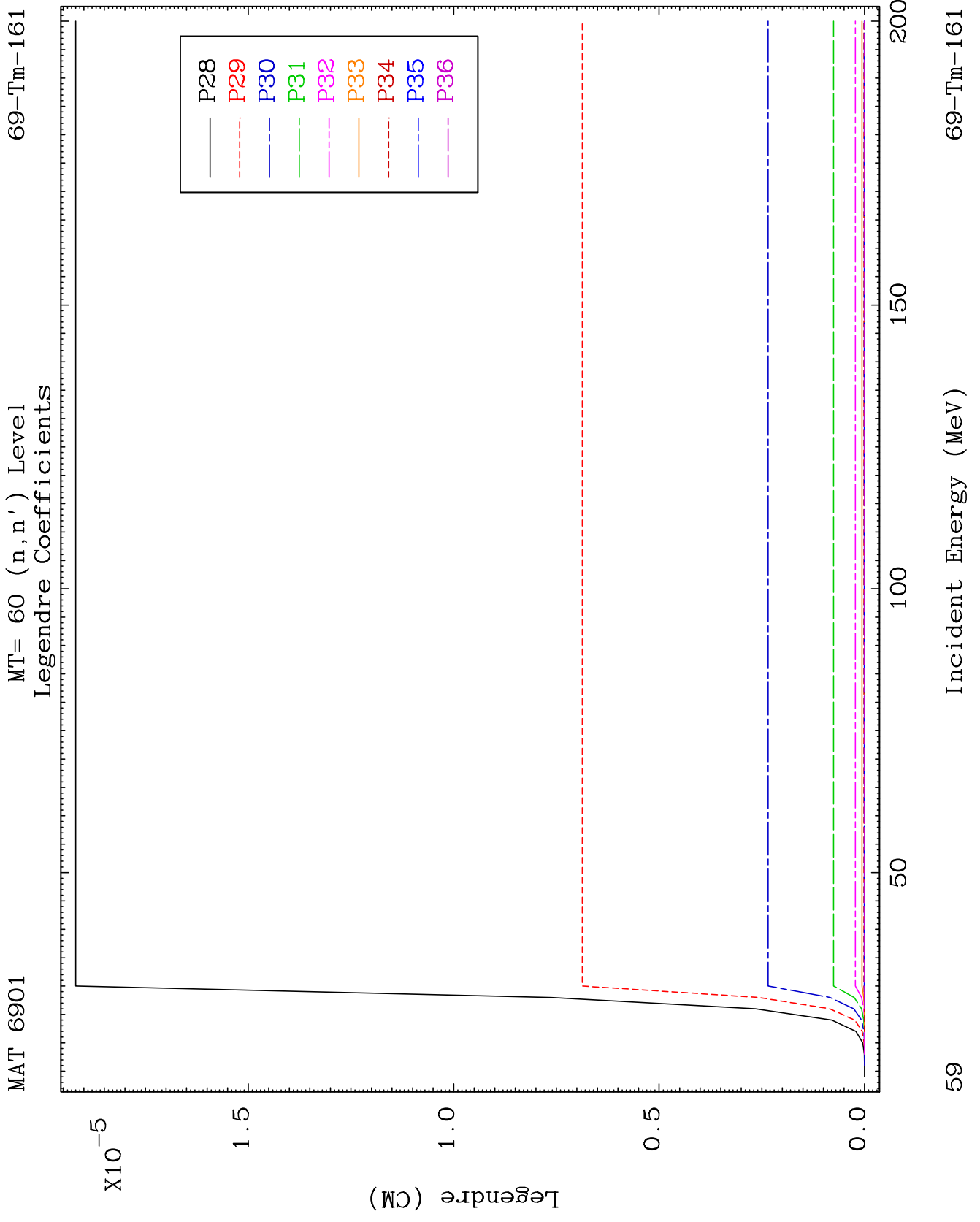
69-Tm-161

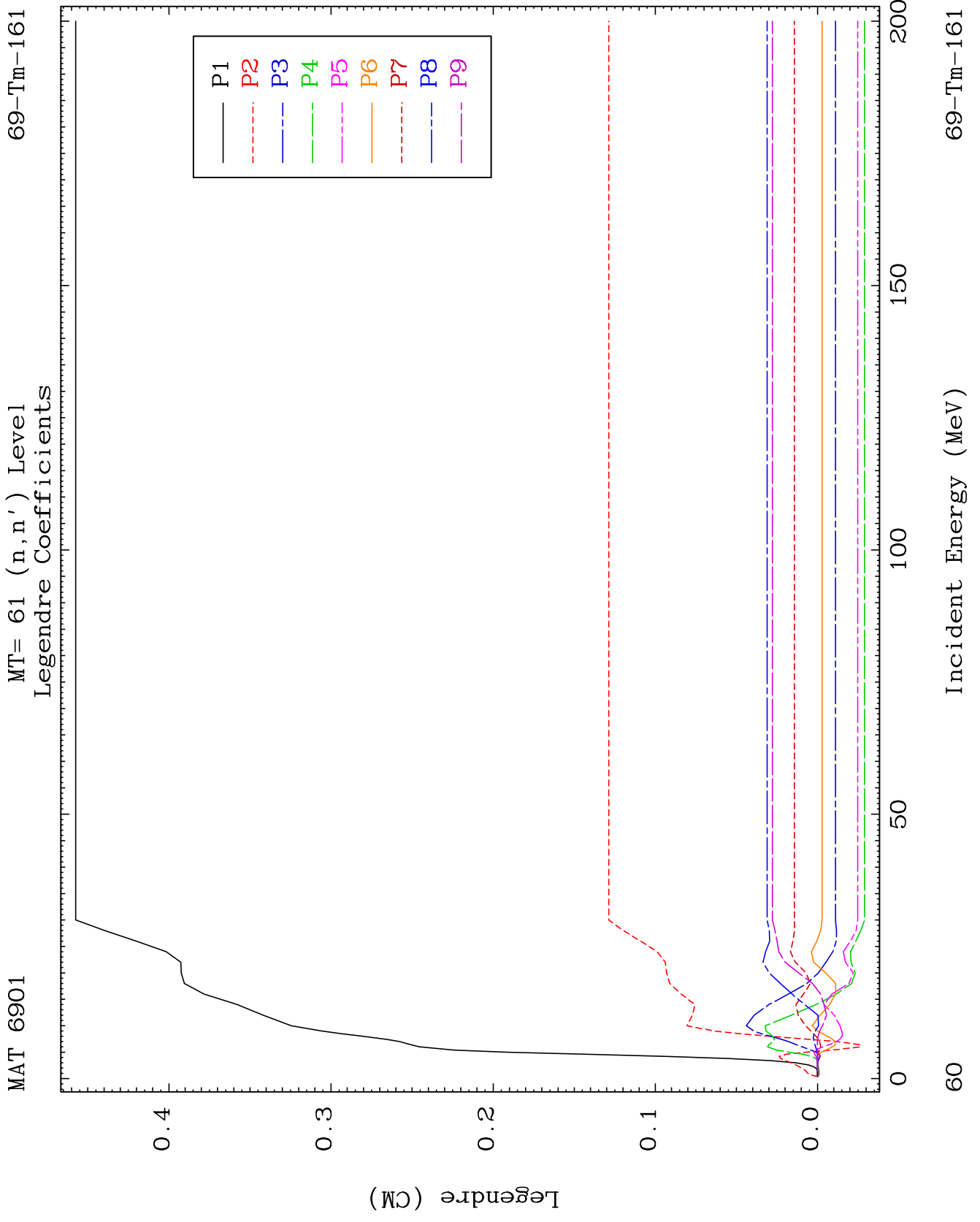


58

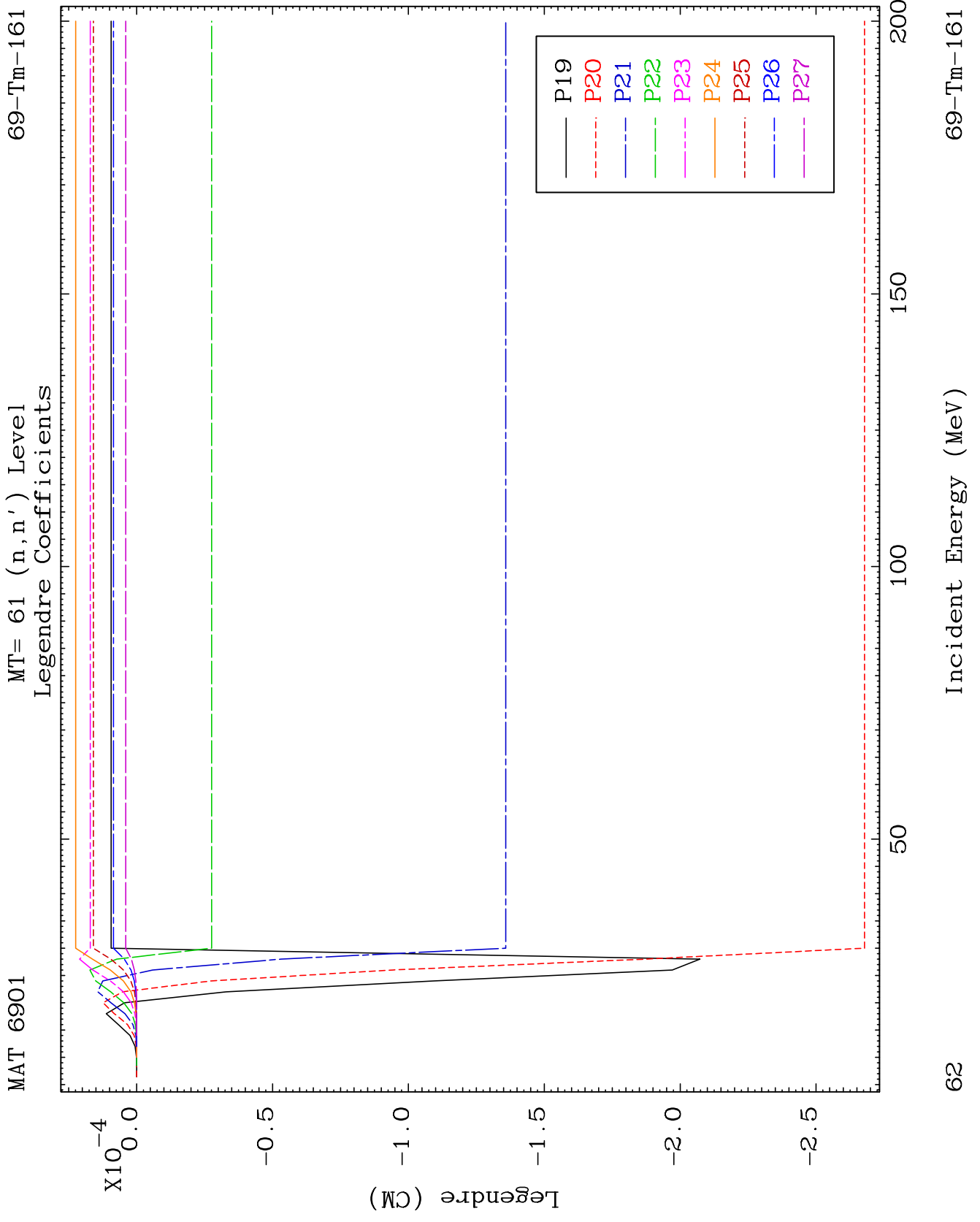
Incident Energy (MeV)

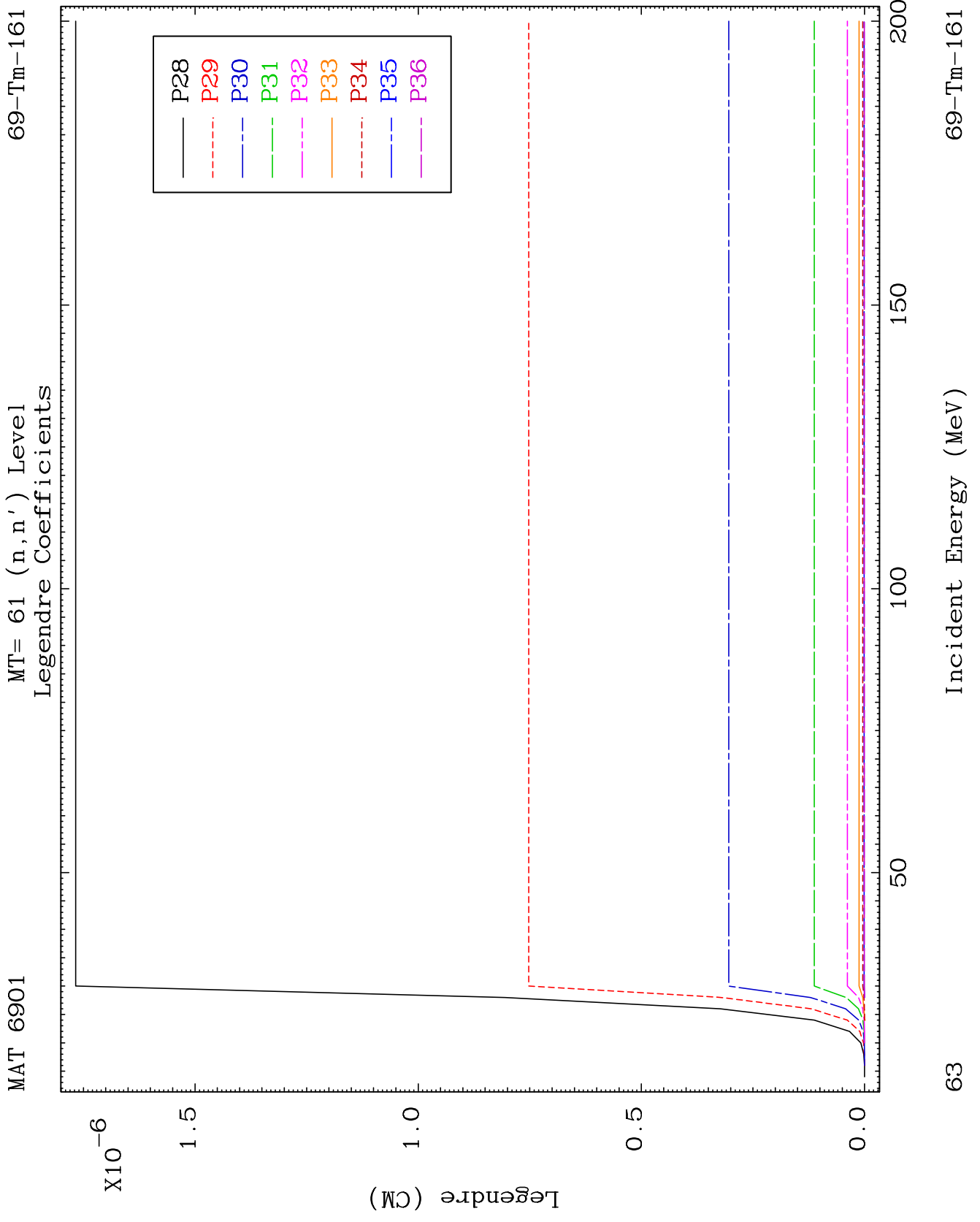
69-Tm-161









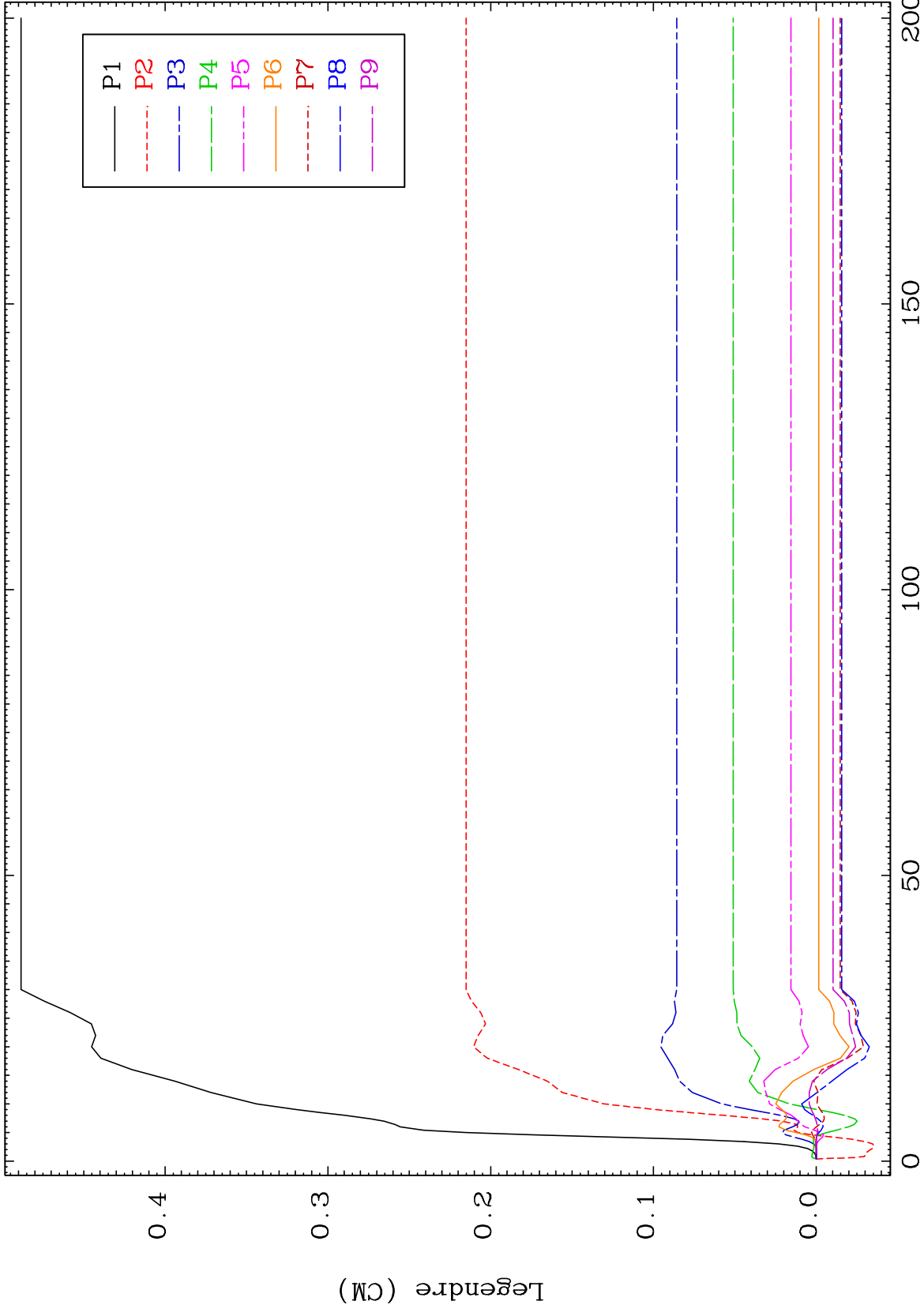




MAT 6901

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

69-Tm-161



64

Incident Energy (MeV)

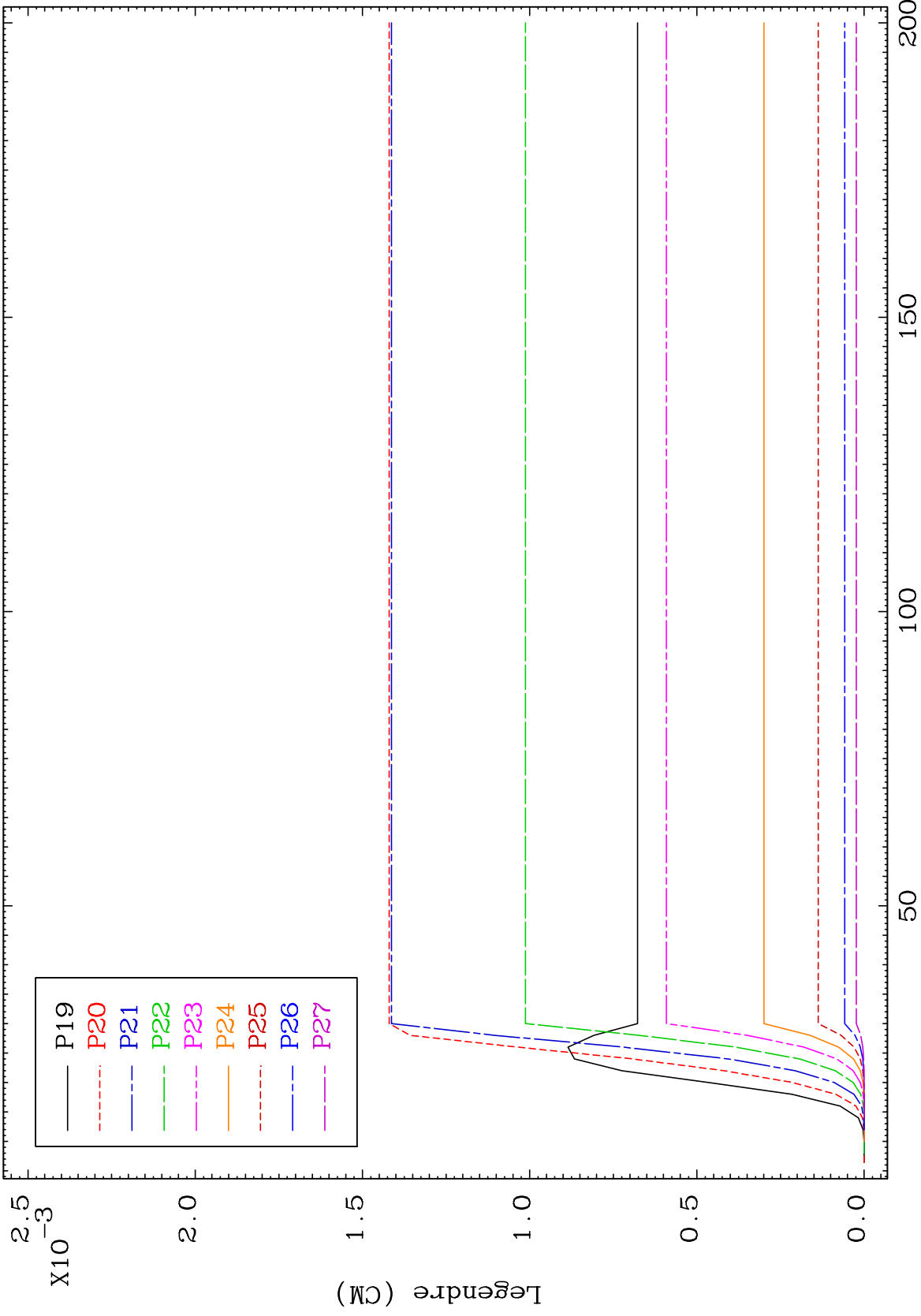
69-Tm-161



MAT 6901

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

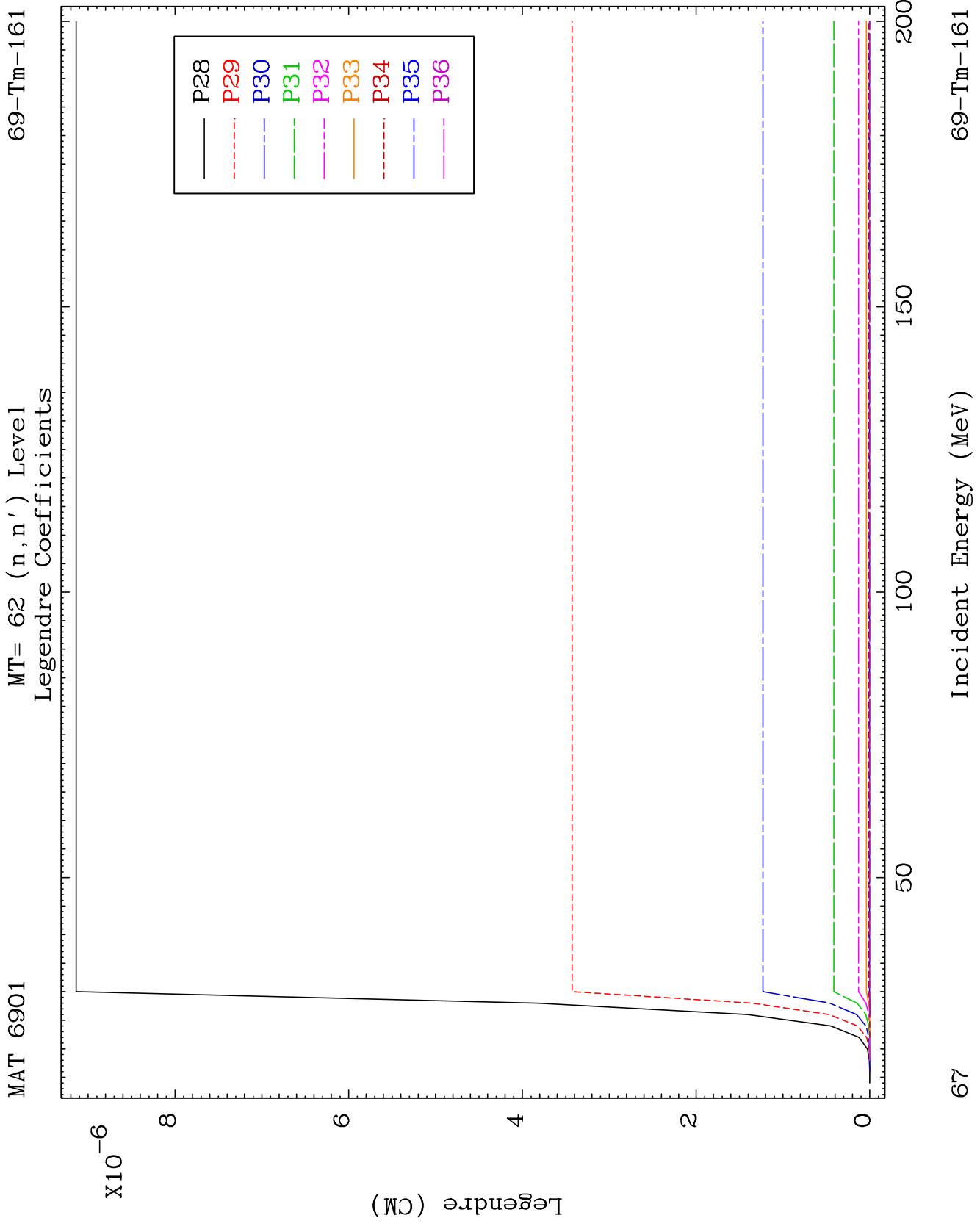
69-Tm-161

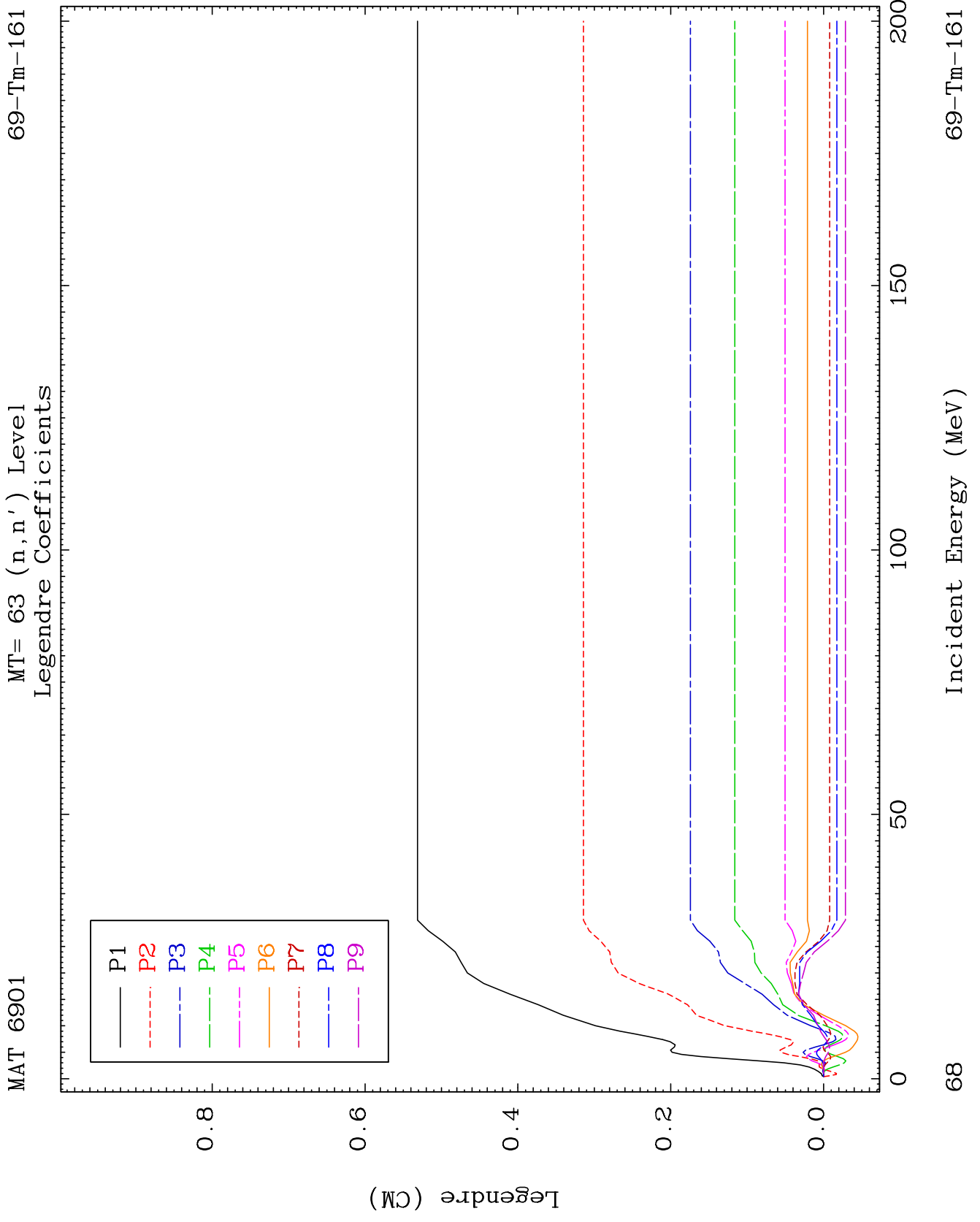


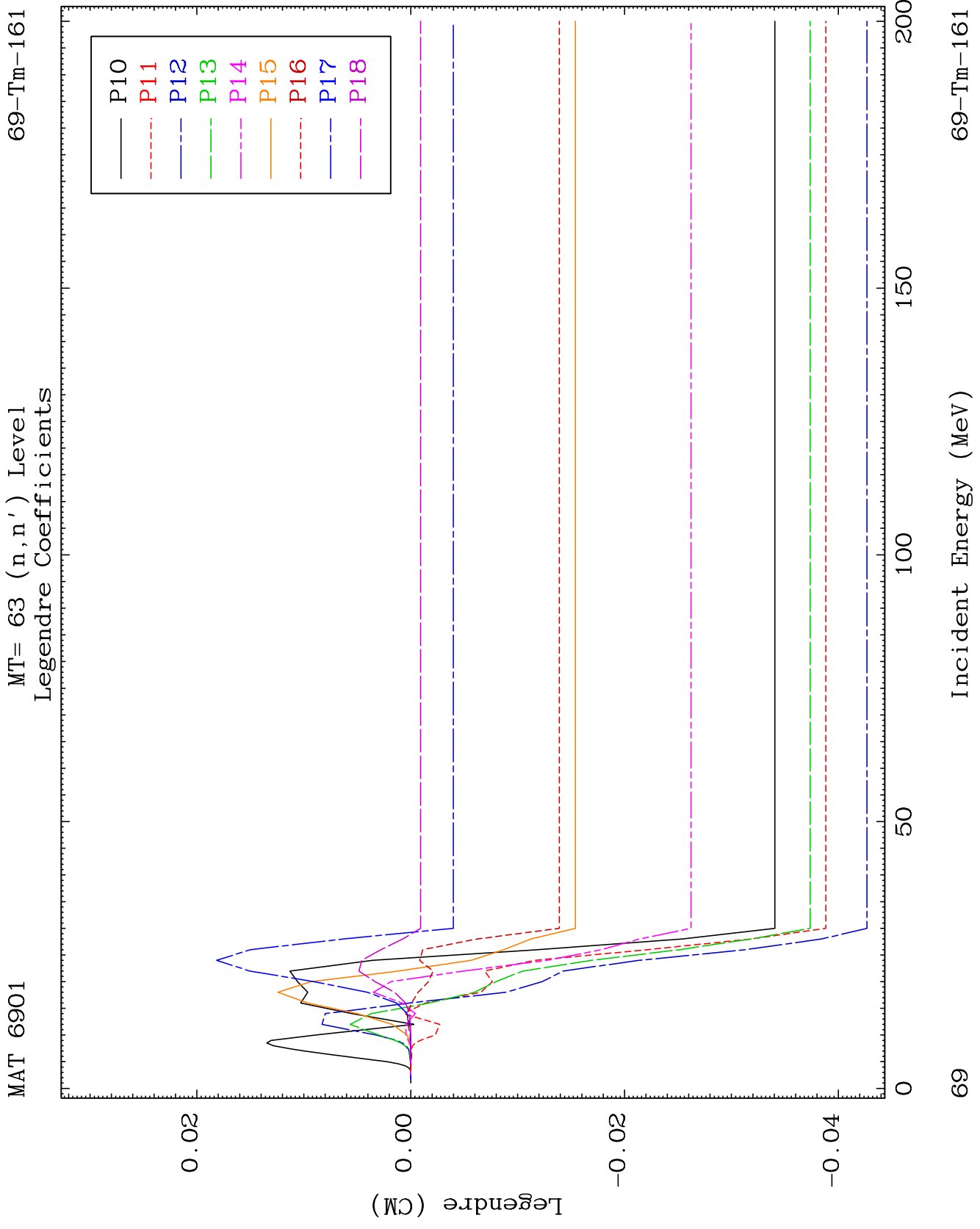
66

Incident Energy (MeV)

69-Tm-161



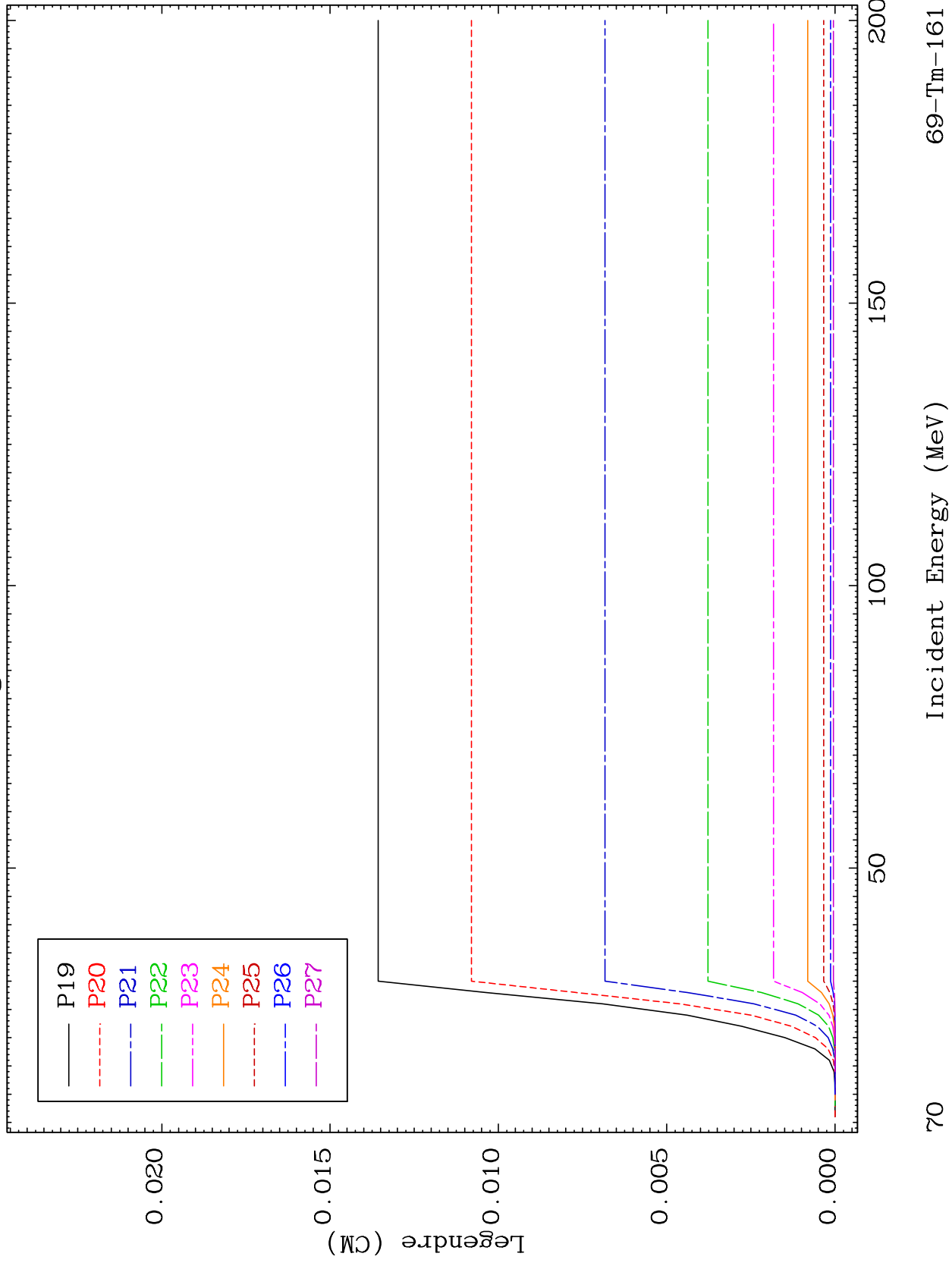




MAT 6901

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

69-Tm-161



70

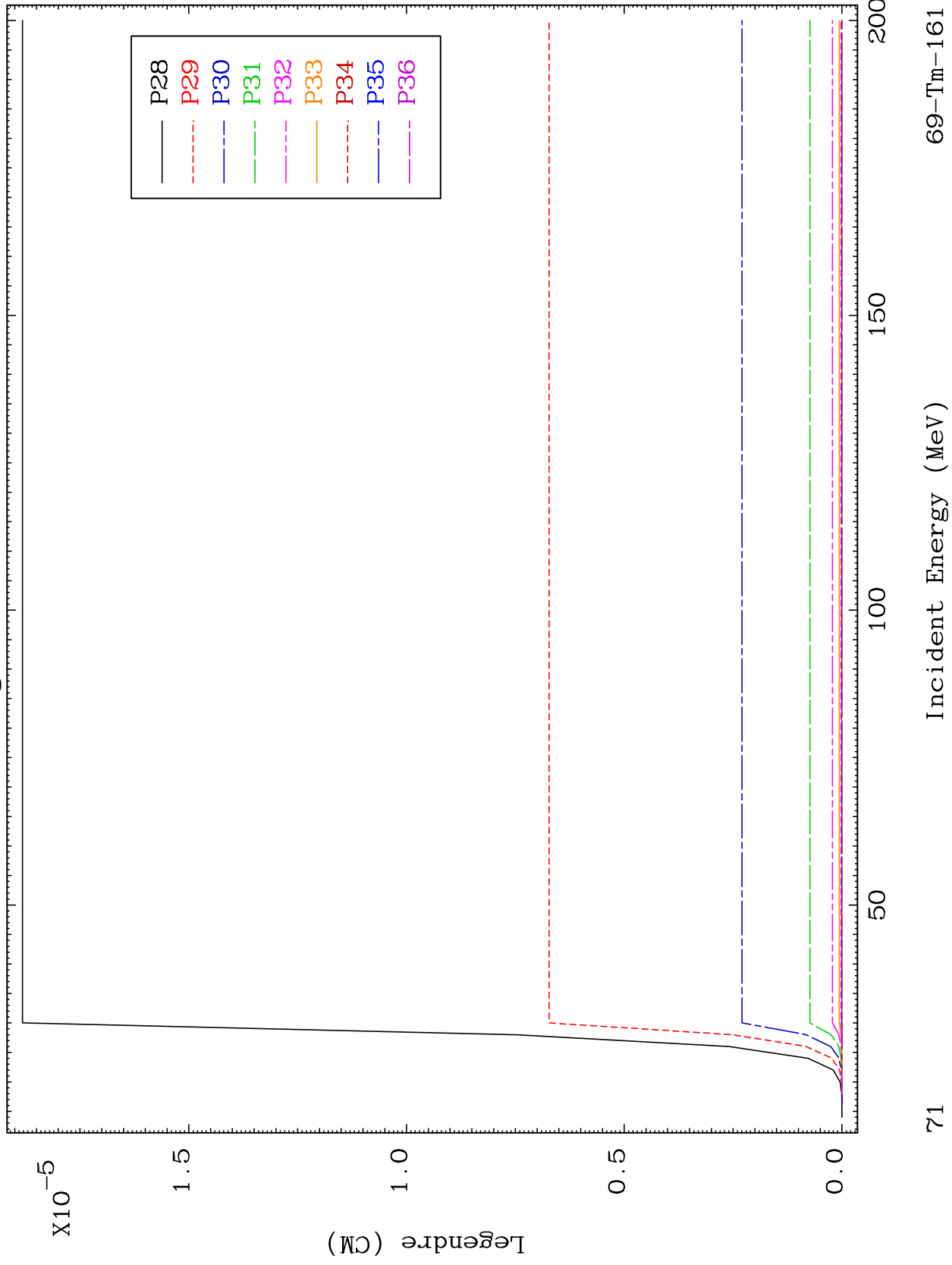
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161

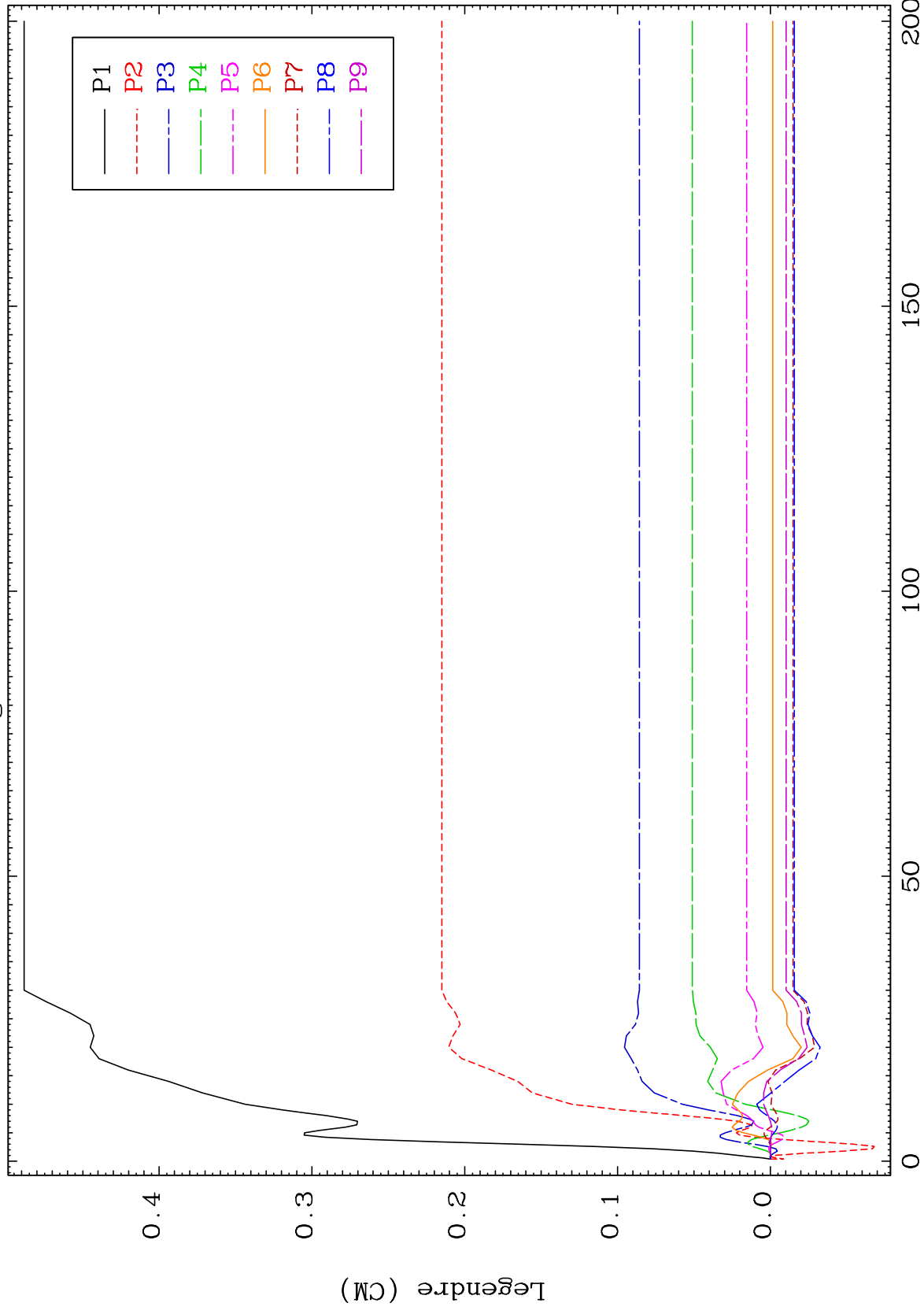




MAT 6901

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

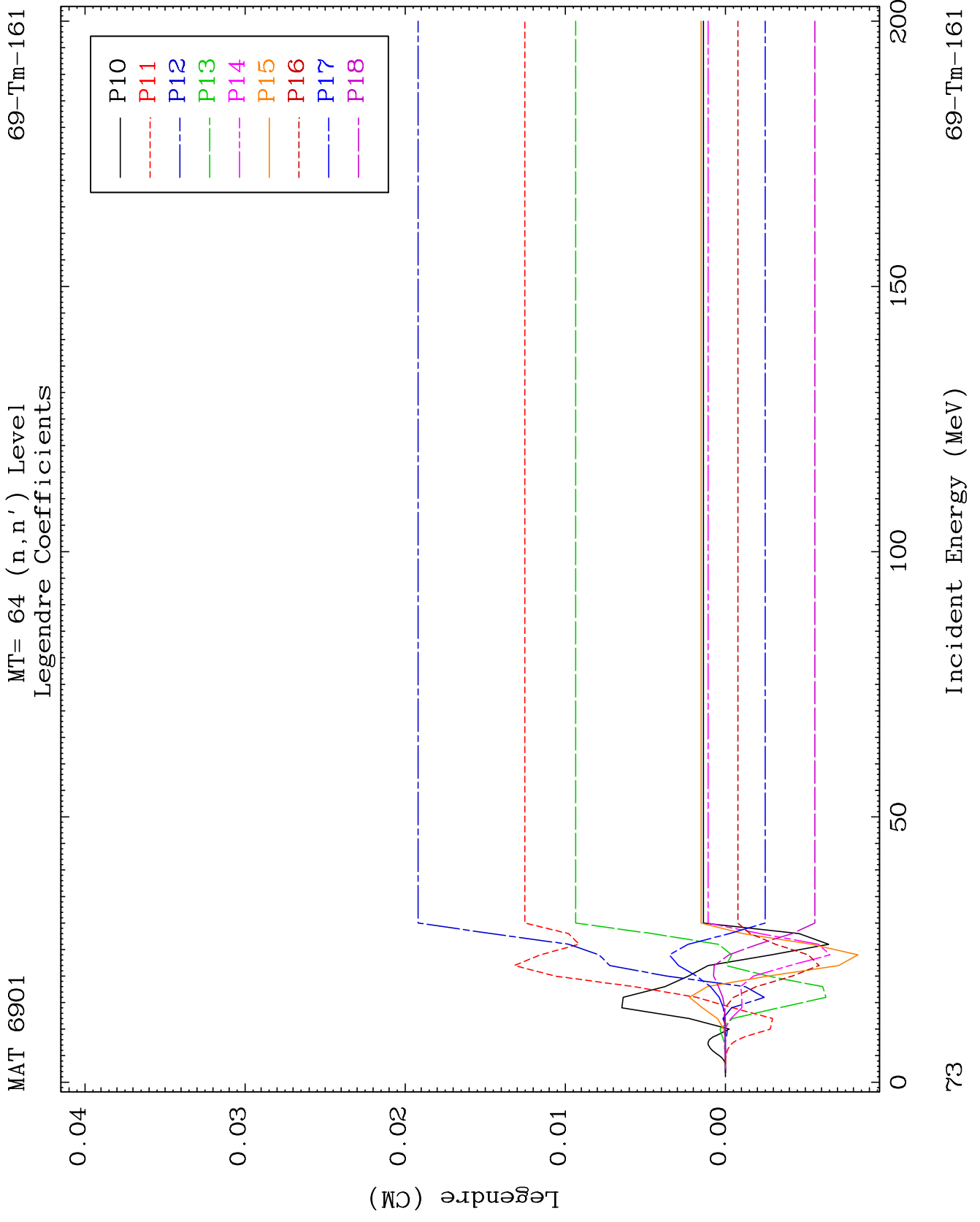
69-Tm-161



72

Incident Energy (MeV)

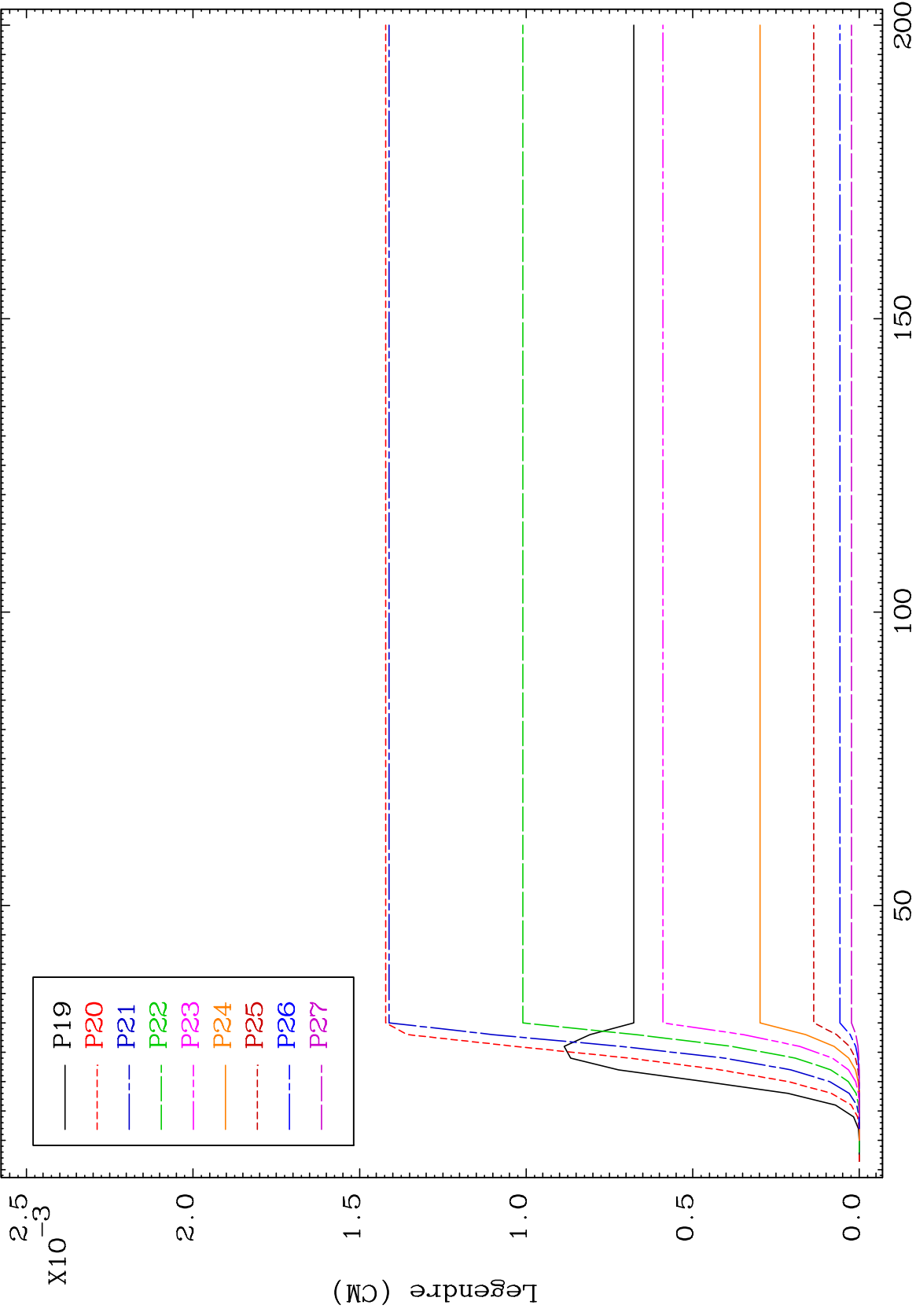
69-Tm-161



MAT 6901

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

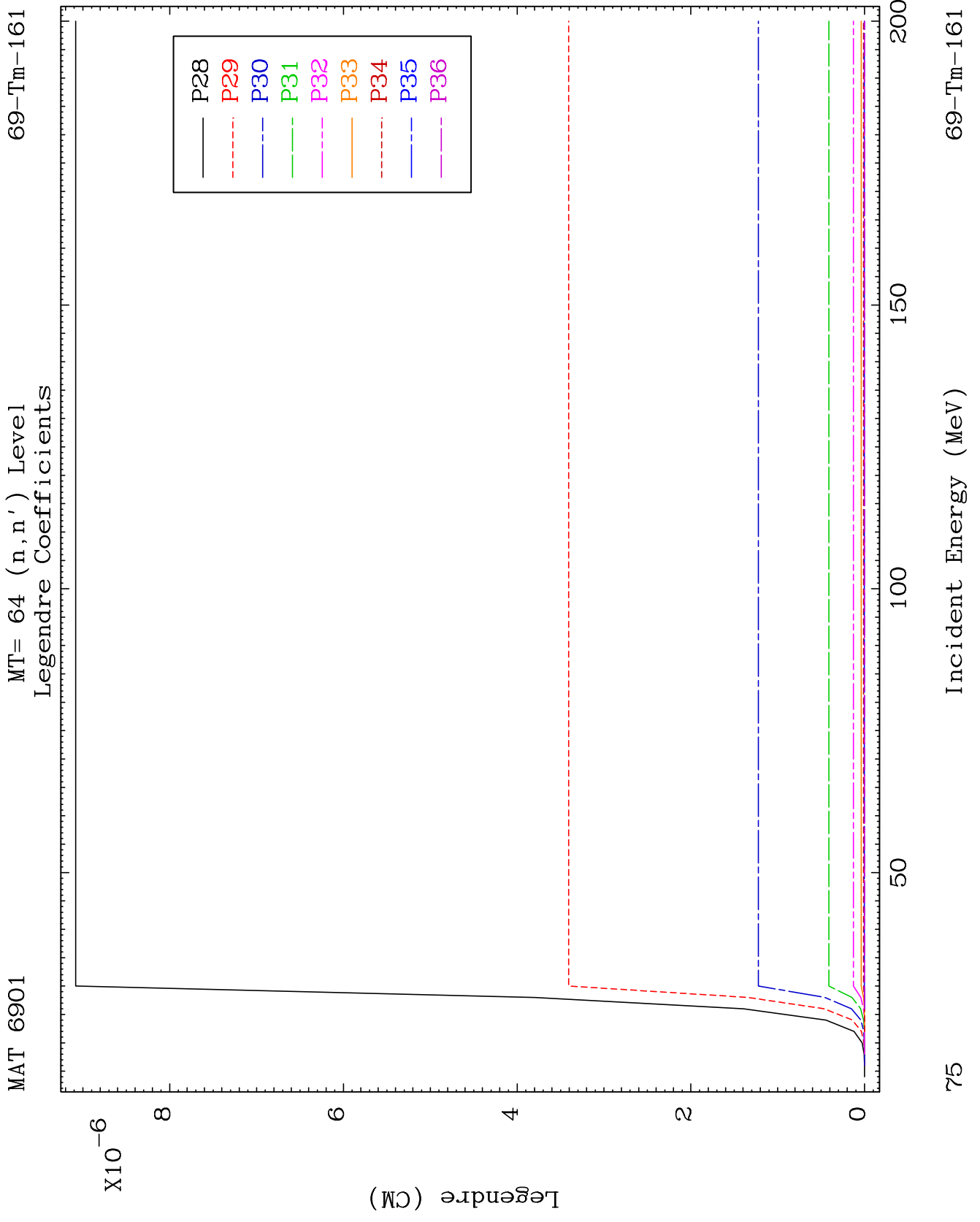
69-Tm-161

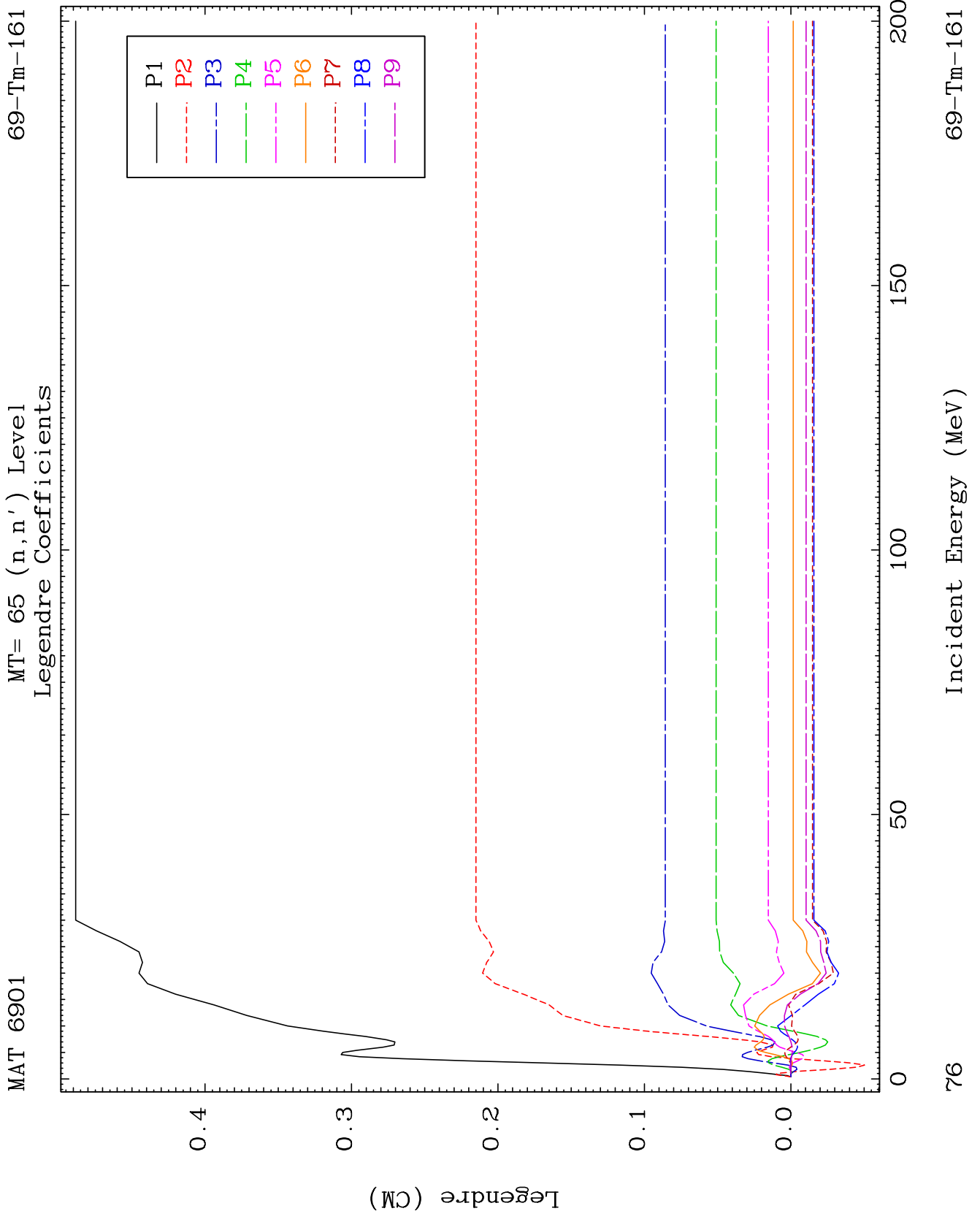


74

Incident Energy (MeV)

69-Tm-161



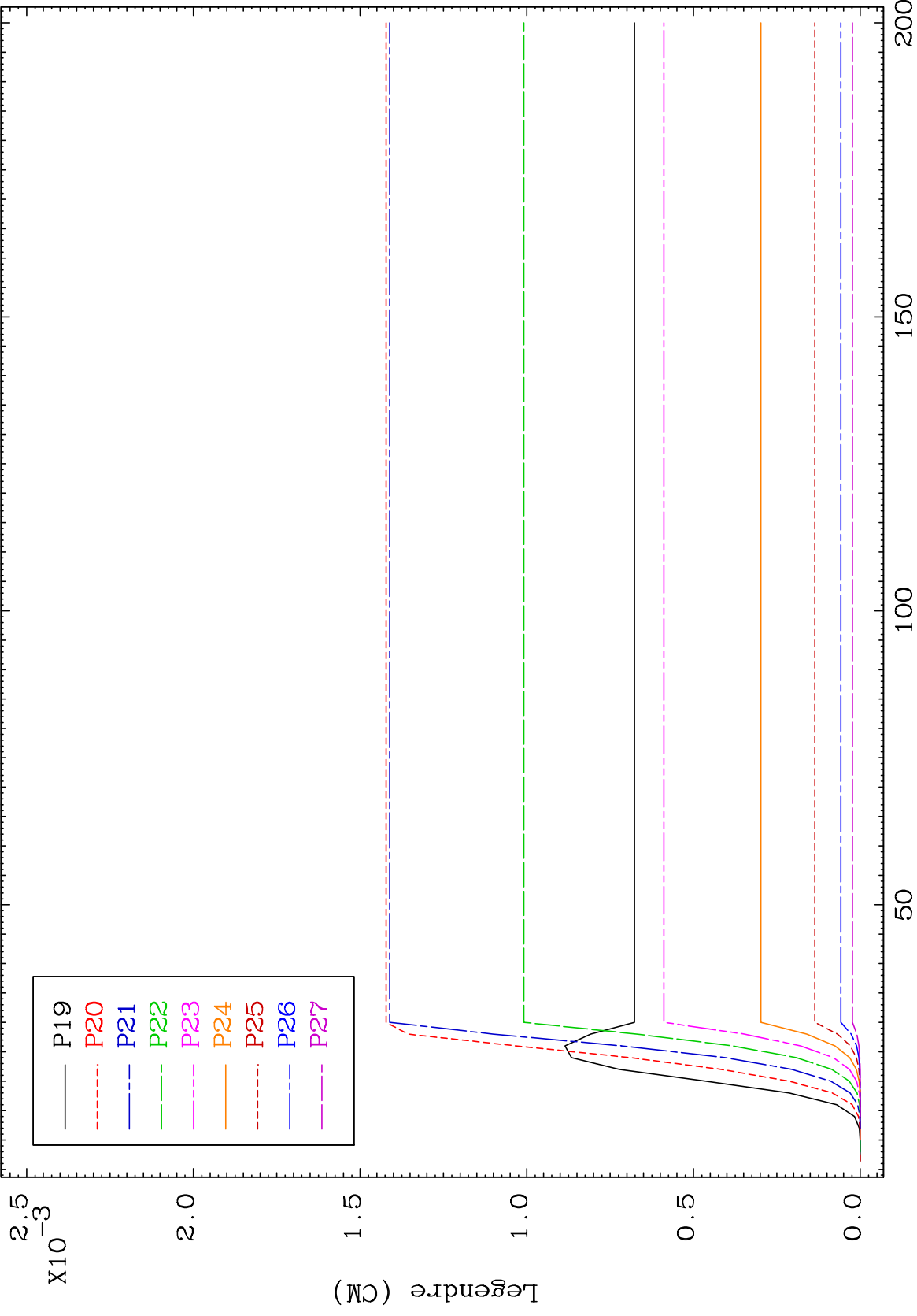




MAT 6901

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

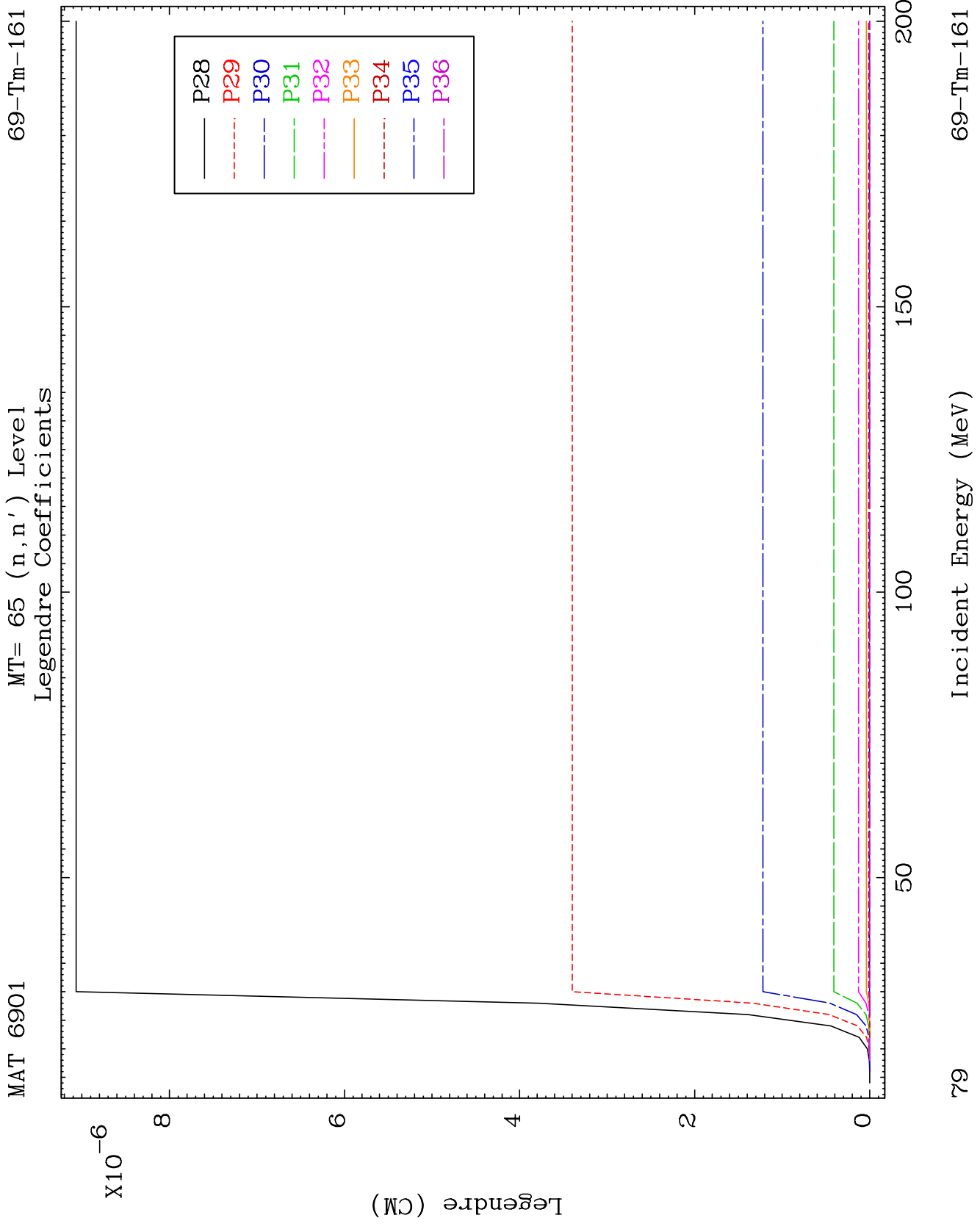
69-Tm-161



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Incident Energy (MeV)

69-Tm-161

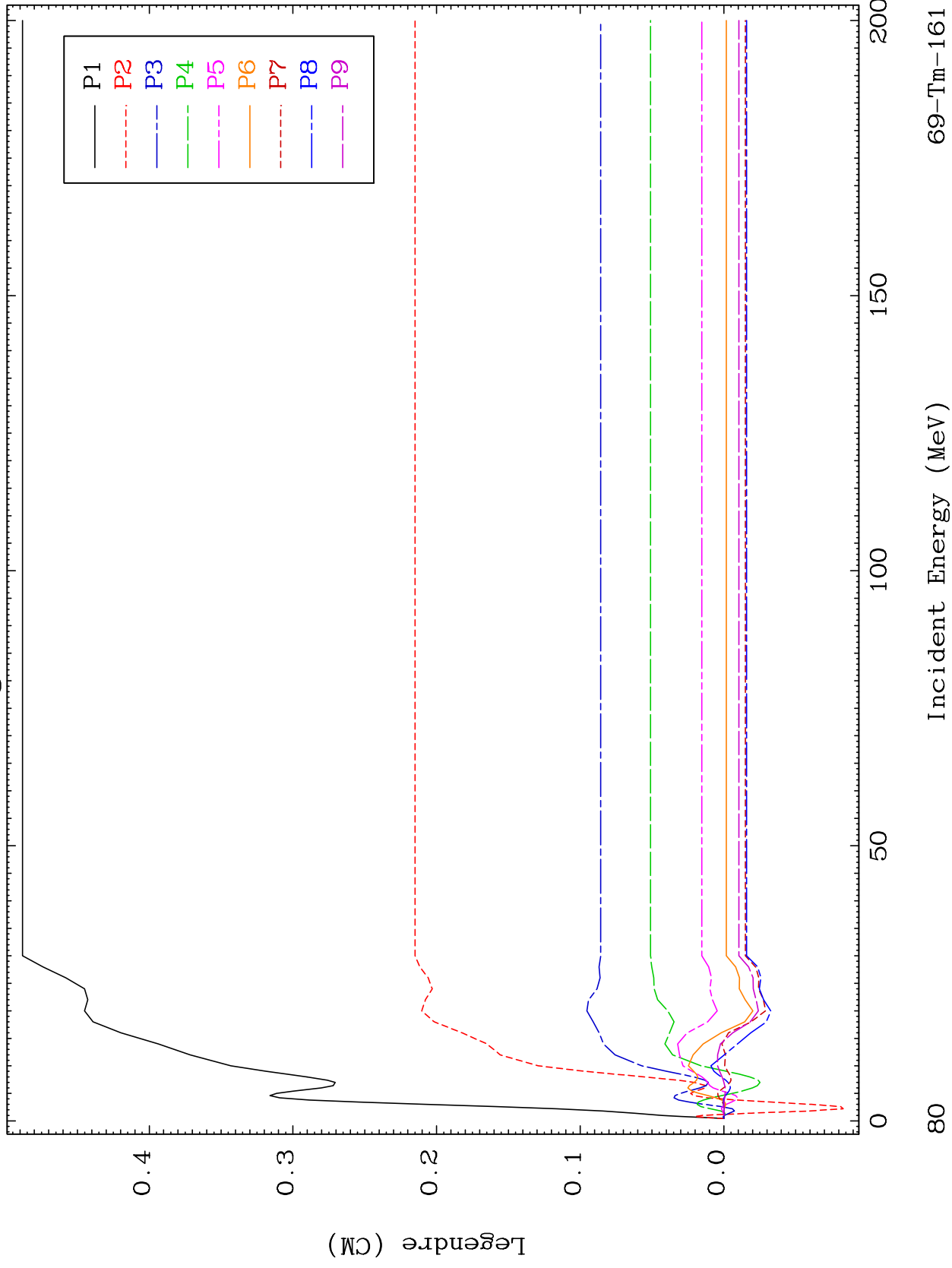




MAT 6901

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

69-Tm-161



69-Tm-161

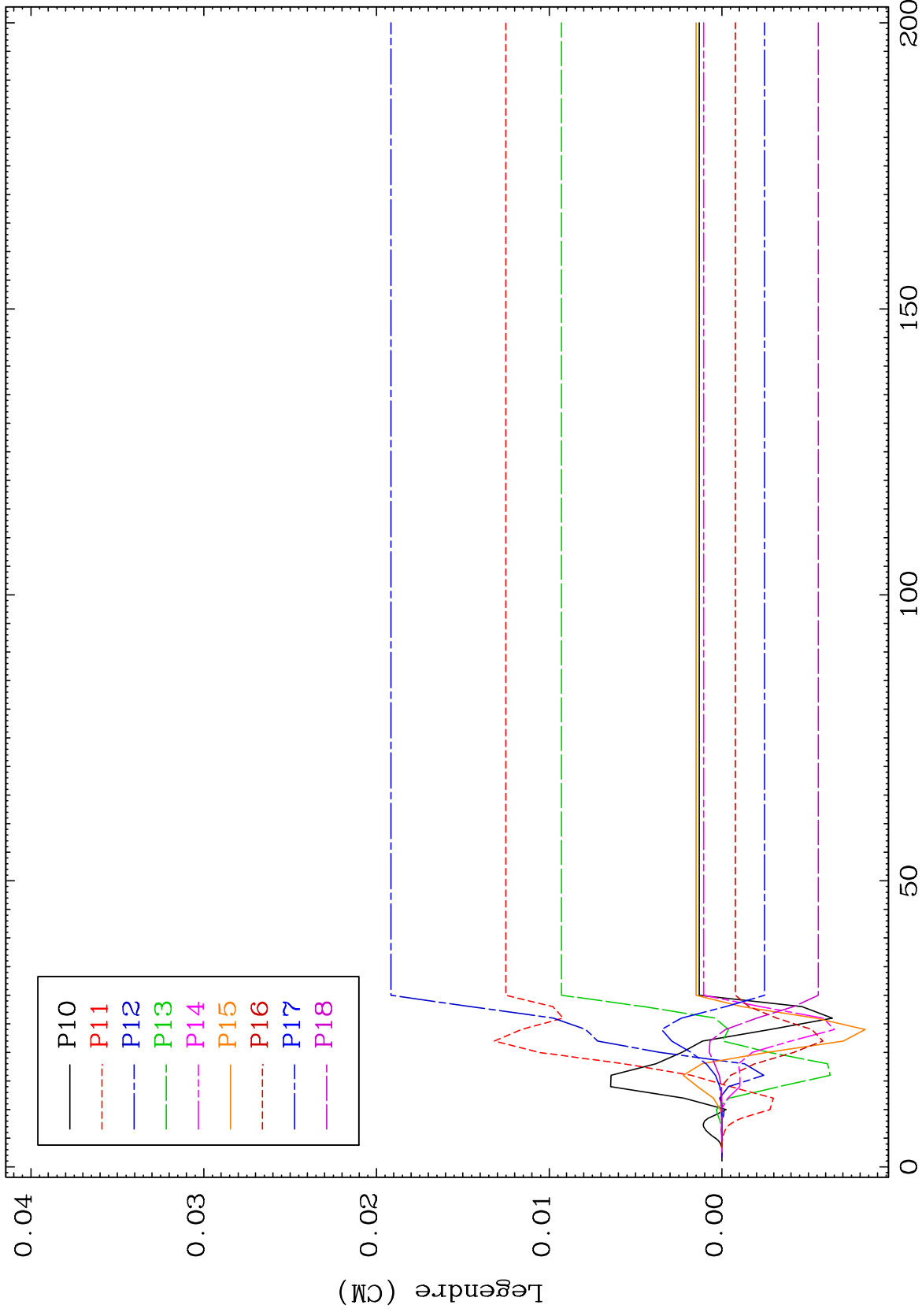
Incident Energy (MeV)

80

MAT 6901

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

69-Tm-161



81

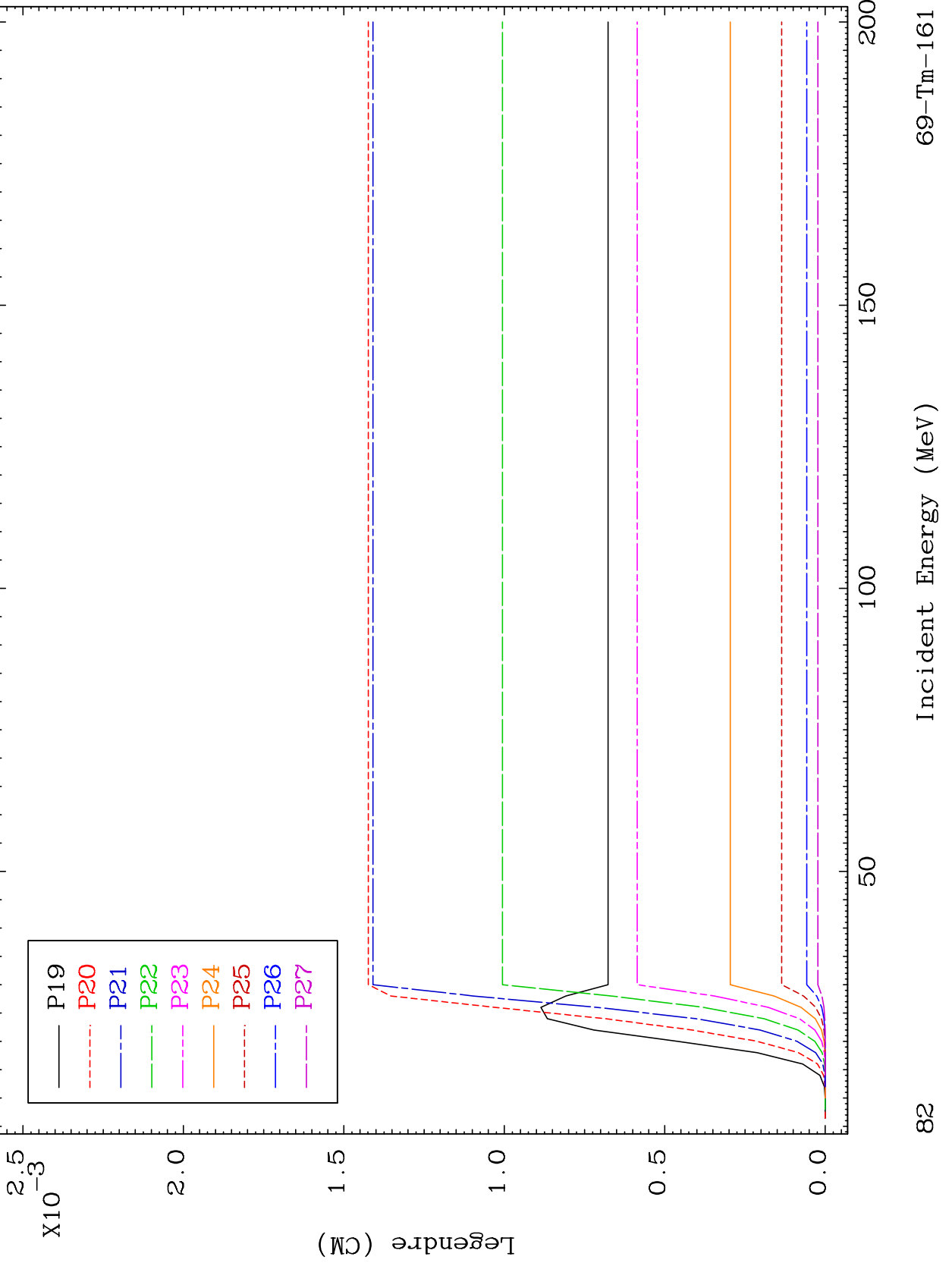
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

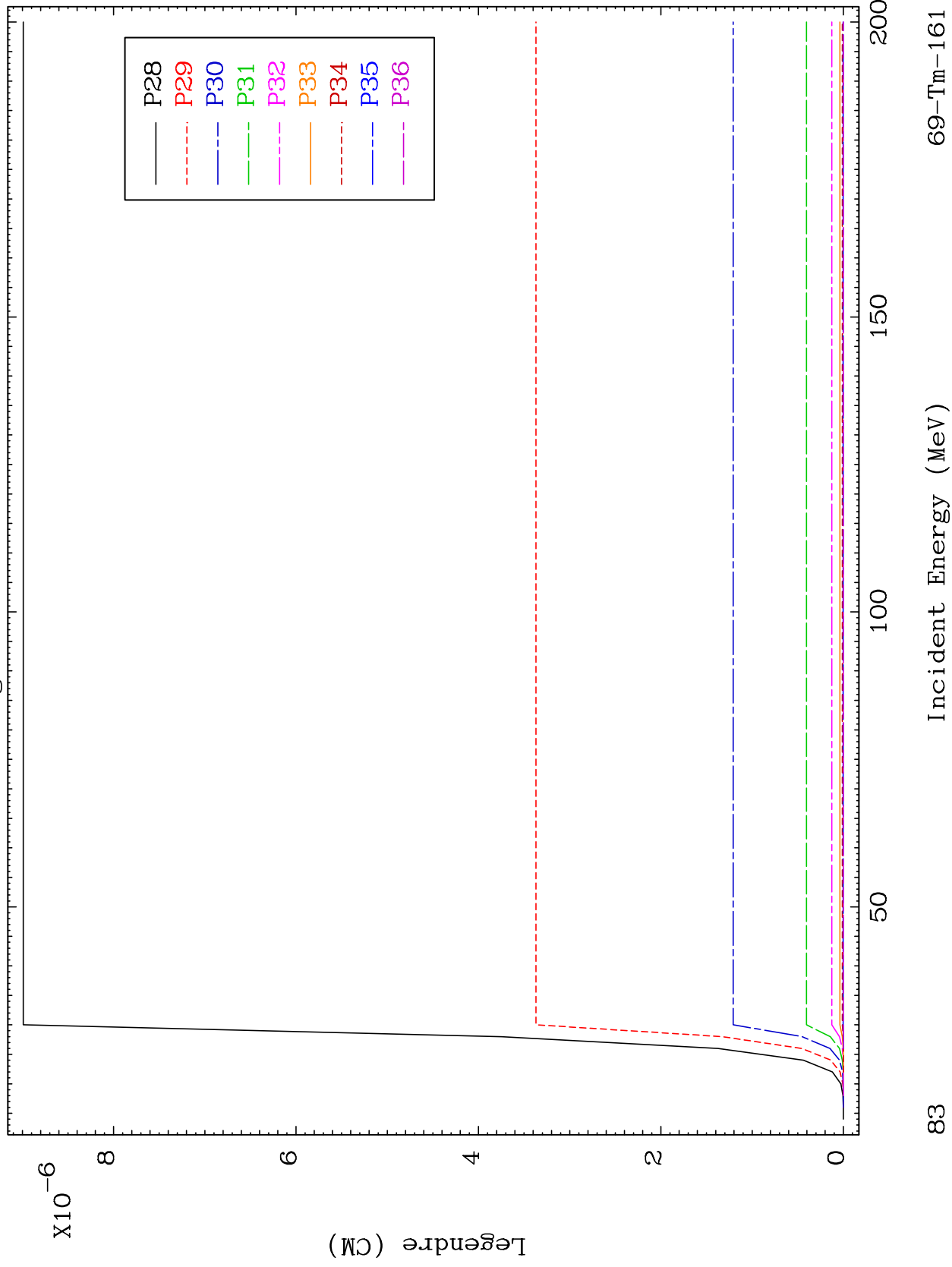
69-Tm-161



MAT 6901

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

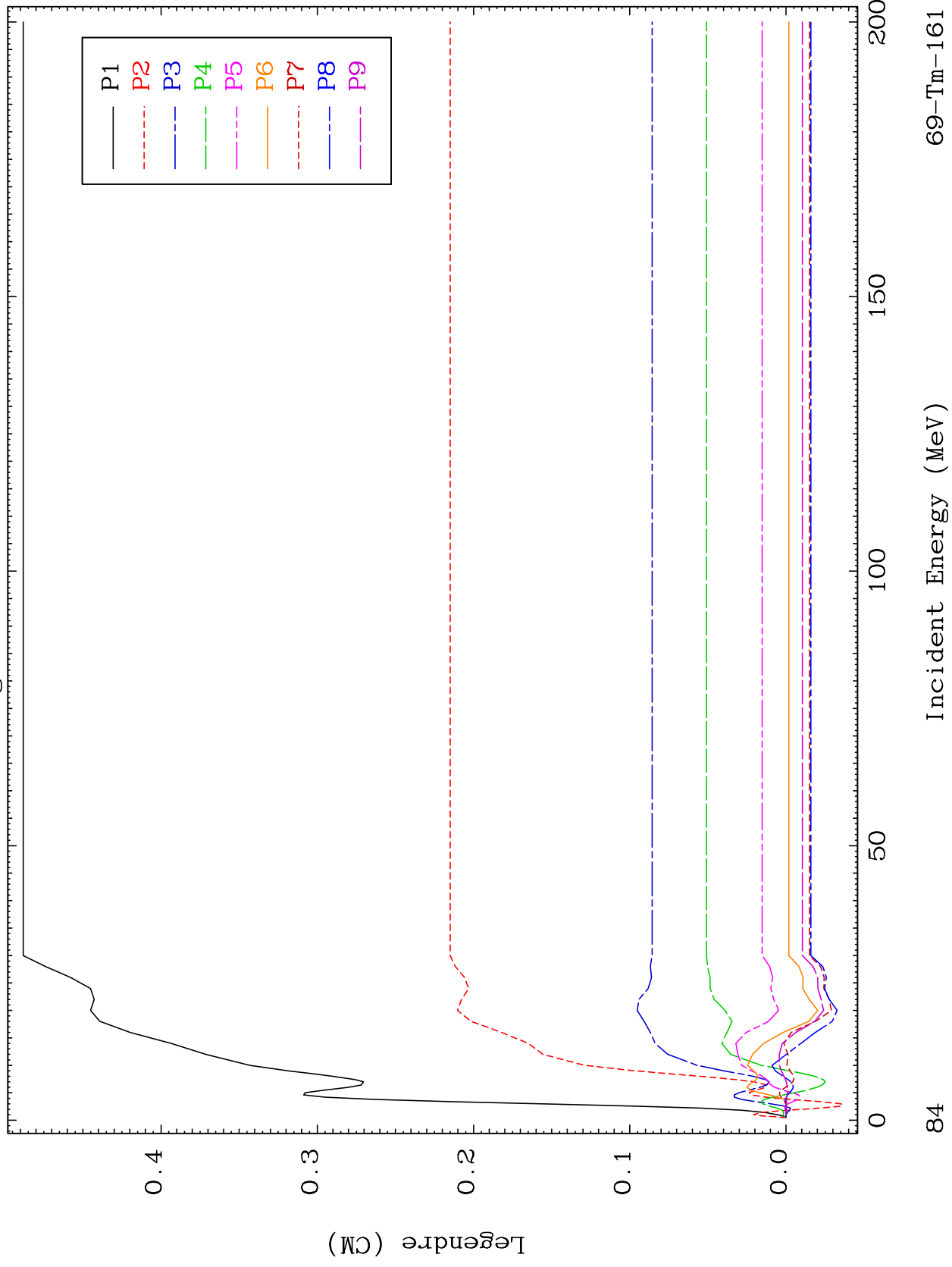
69-Tm-161



MAT 6901

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

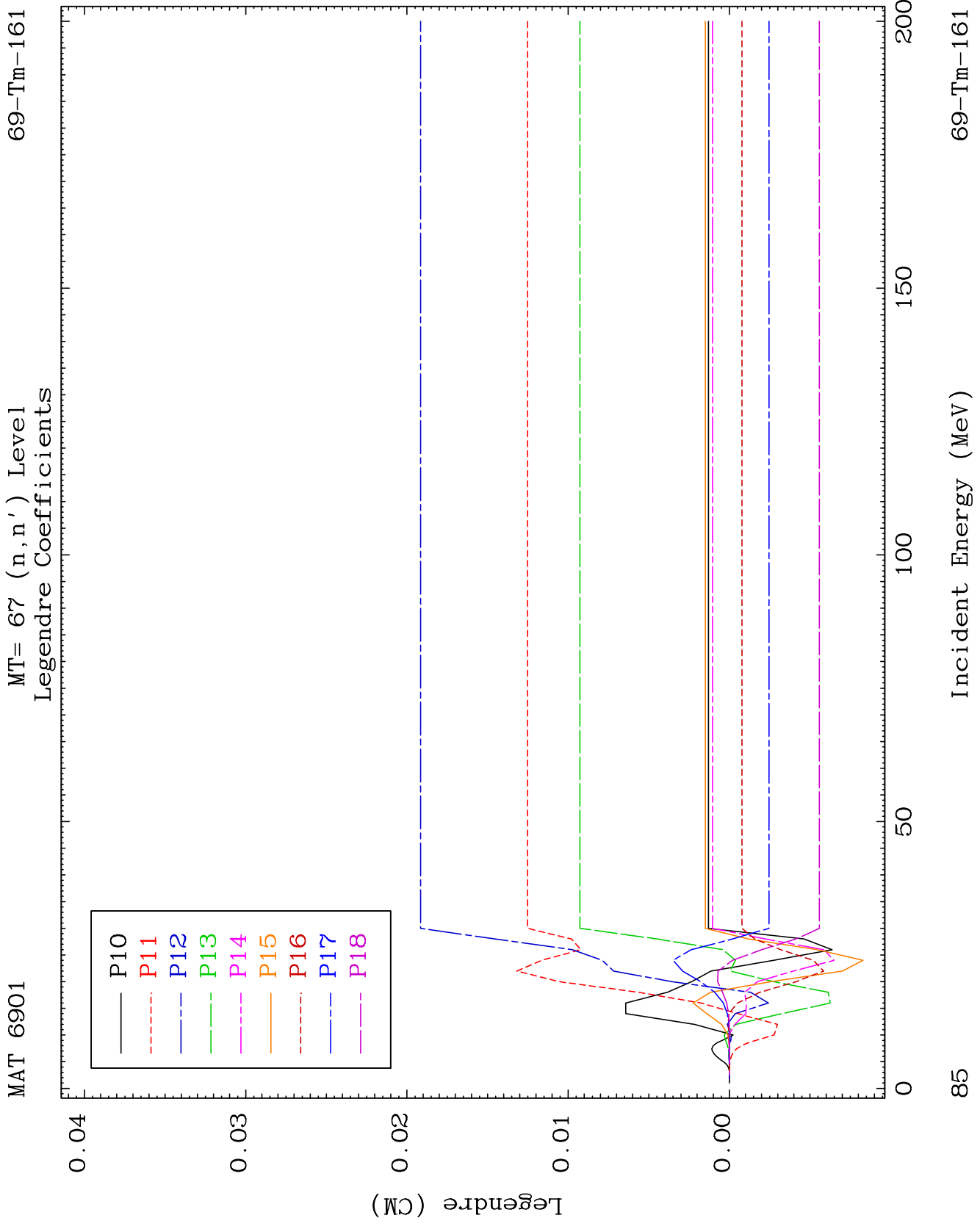
69-Tm-161

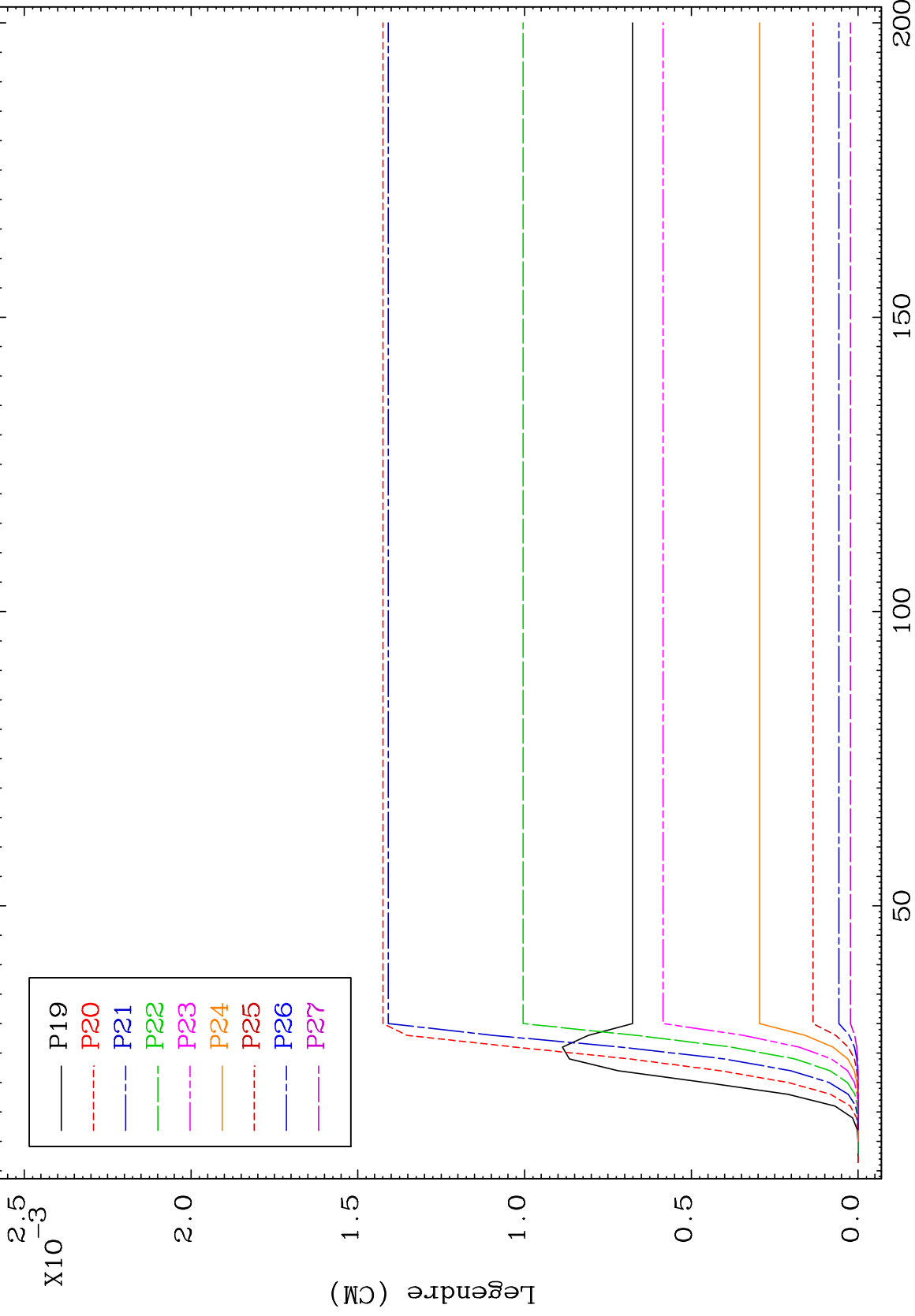


84

Incident Energy (MeV)

69-Tm-161

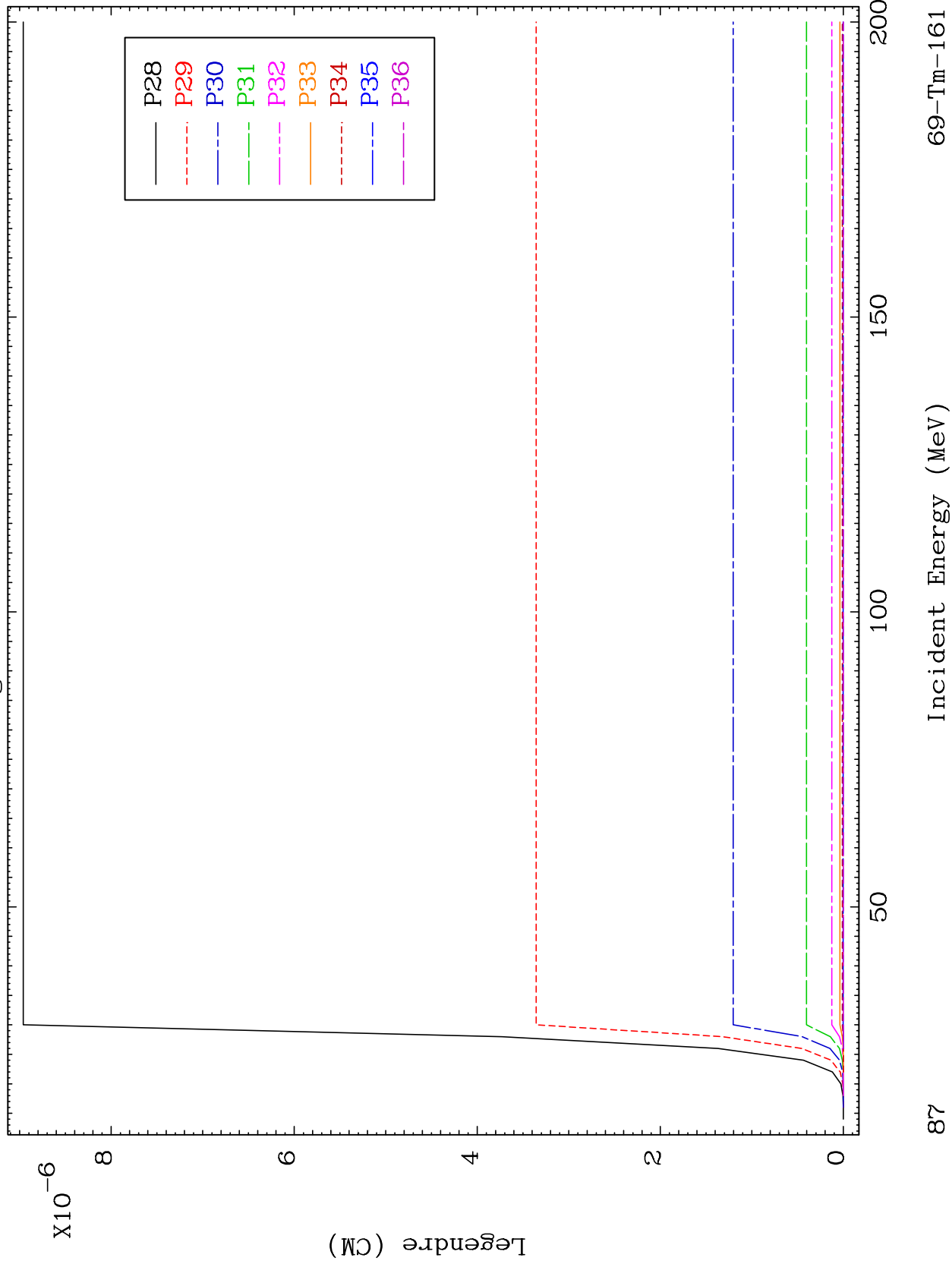




MAT 6901

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

69-Tm-161

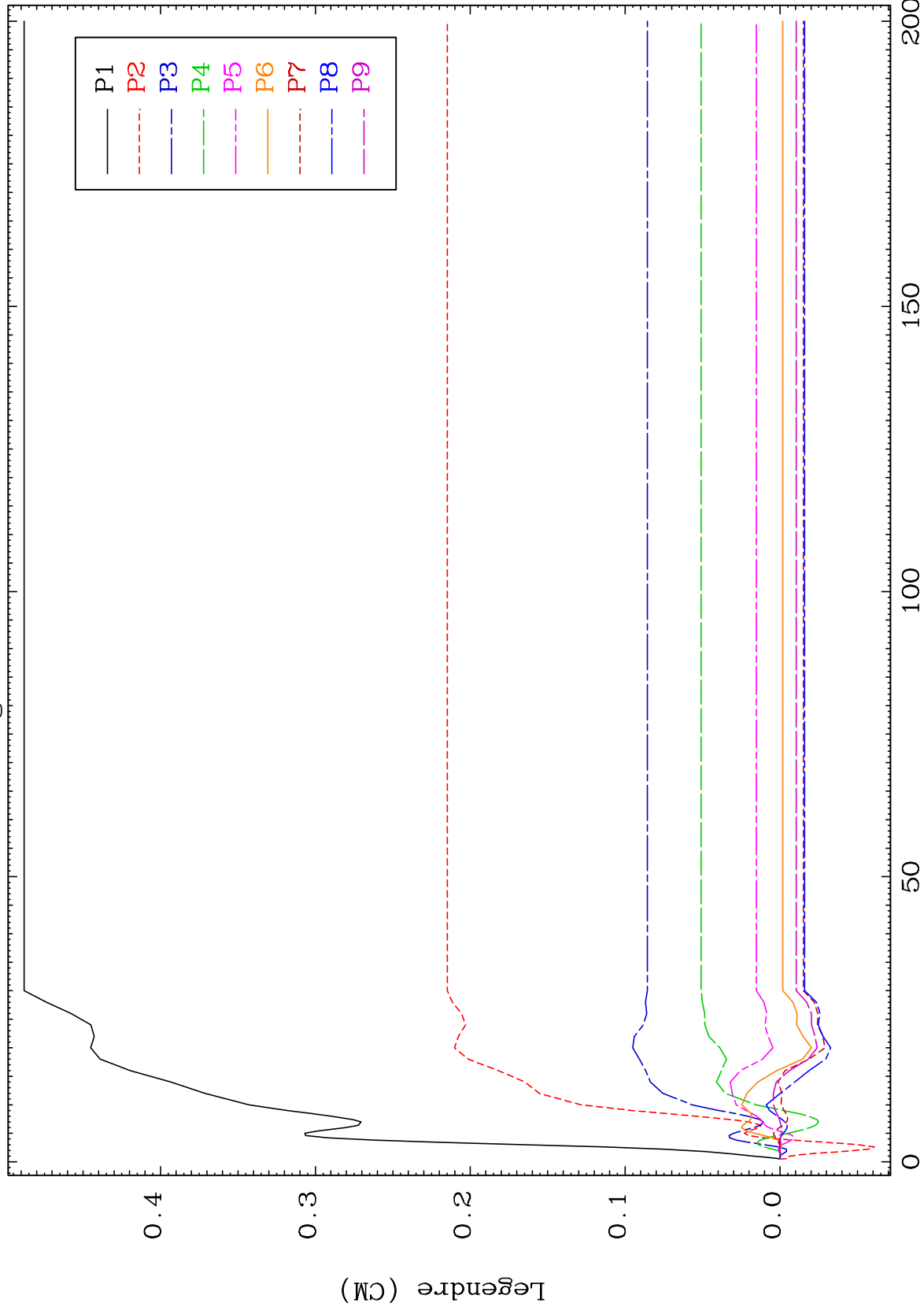




MAT 6901

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

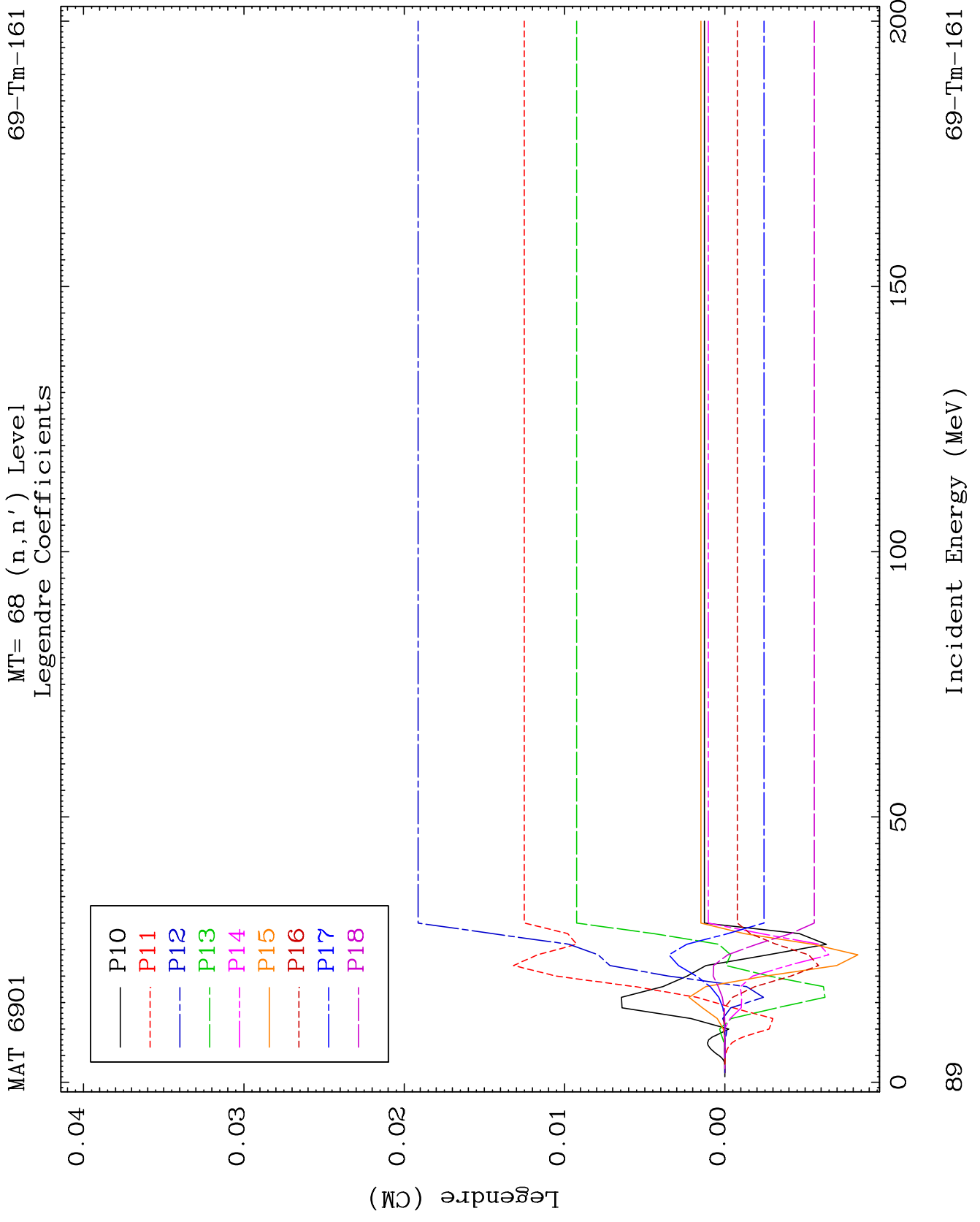
69-Tm-161



69-Tm-161

Incident Energy (MeV)

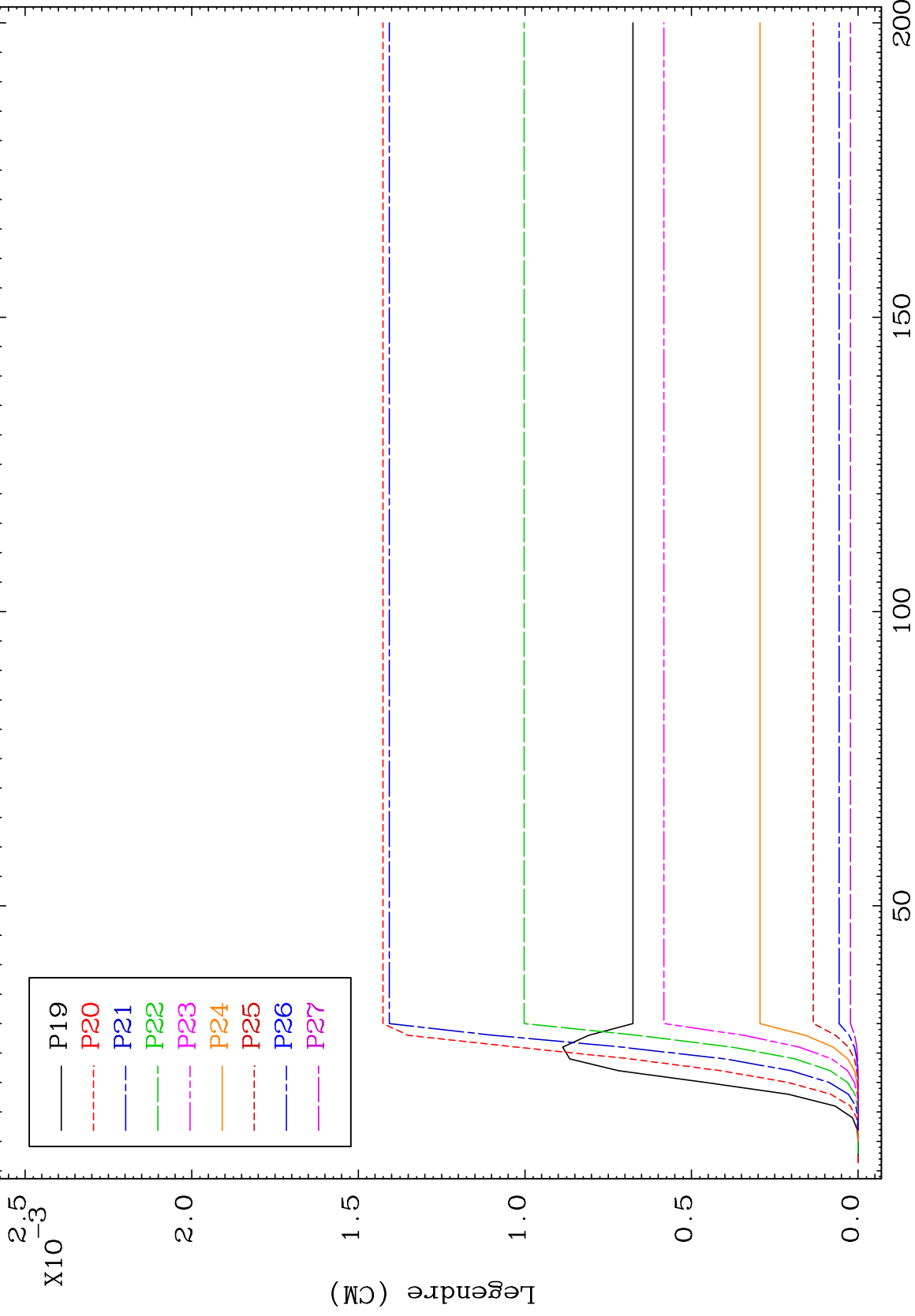
88



MAT 6901

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

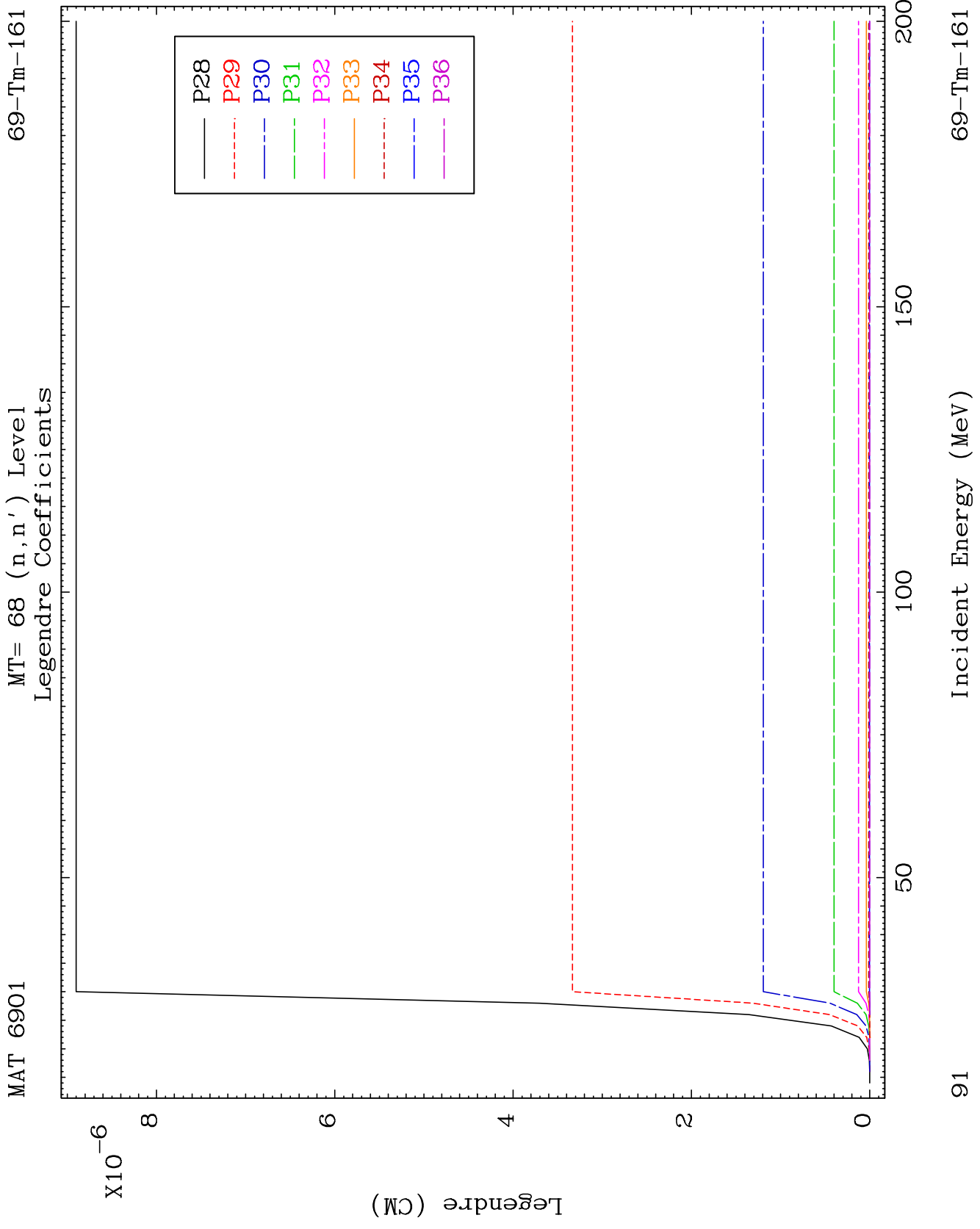
69-Tm-161

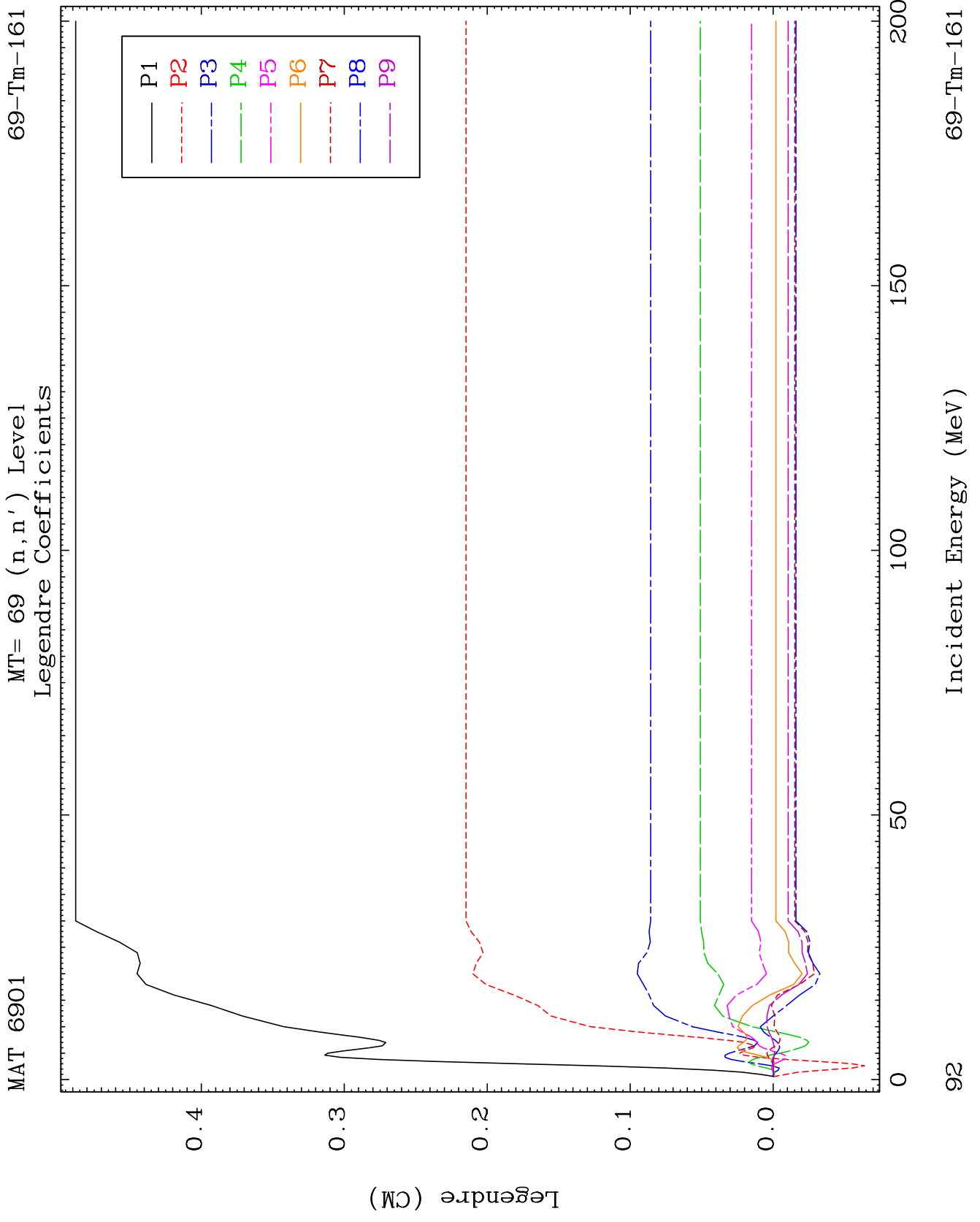


90

Incident Energy (MeV)

69-Tm-161

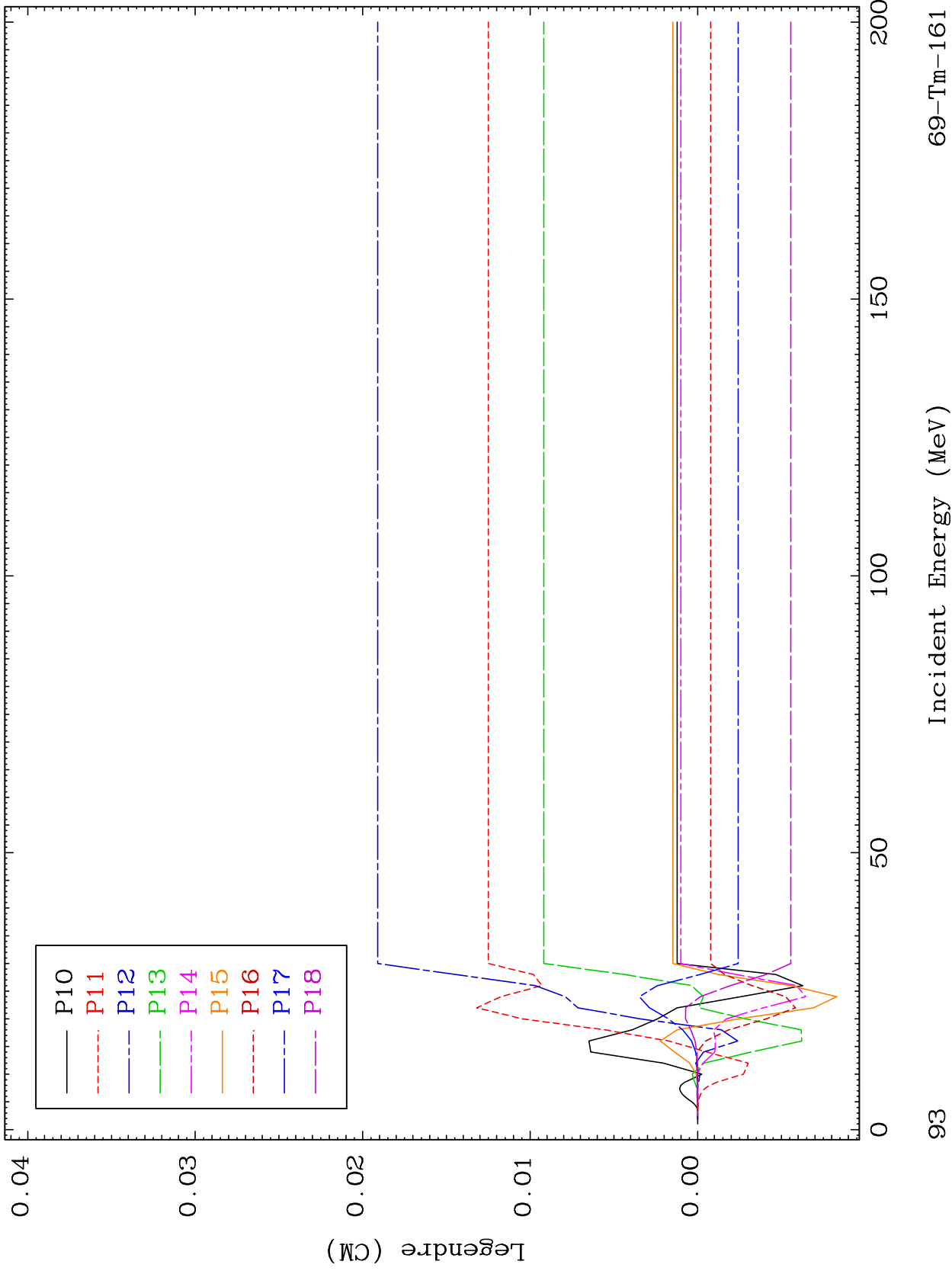




MAT 6901

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

69-Tm-161



93

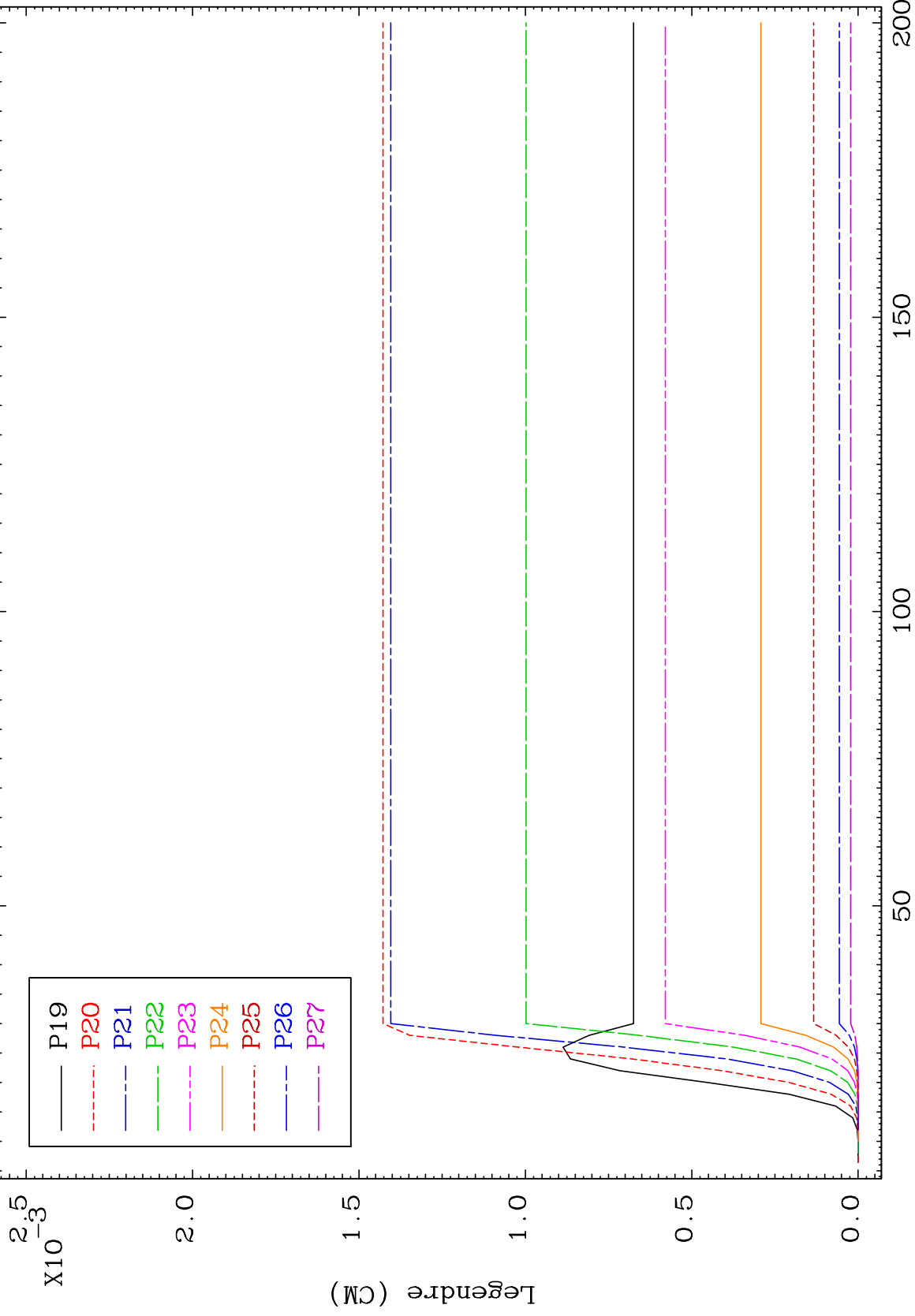
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

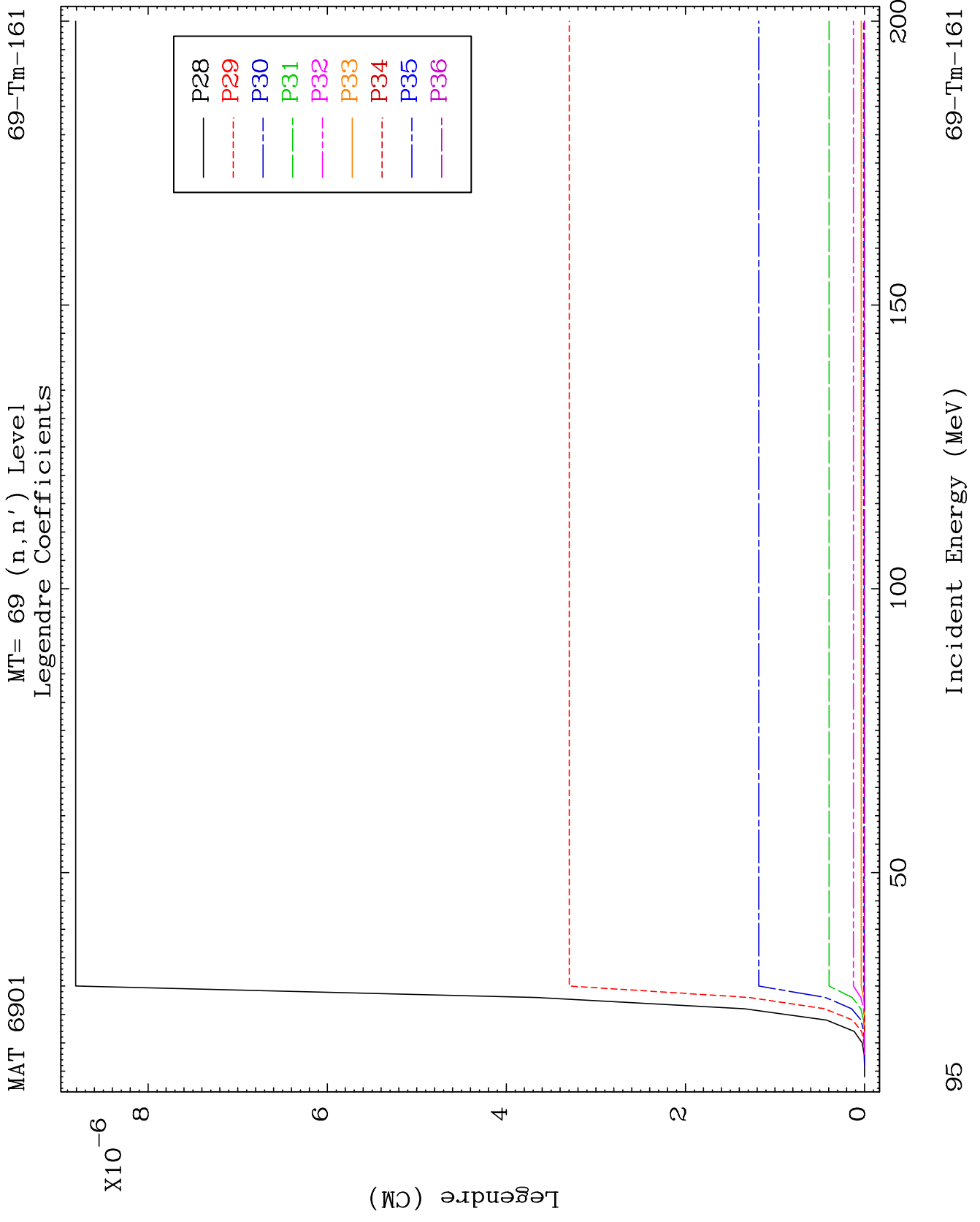
69-Tm-161



94

Incident Energy (MeV)

69-Tm-161

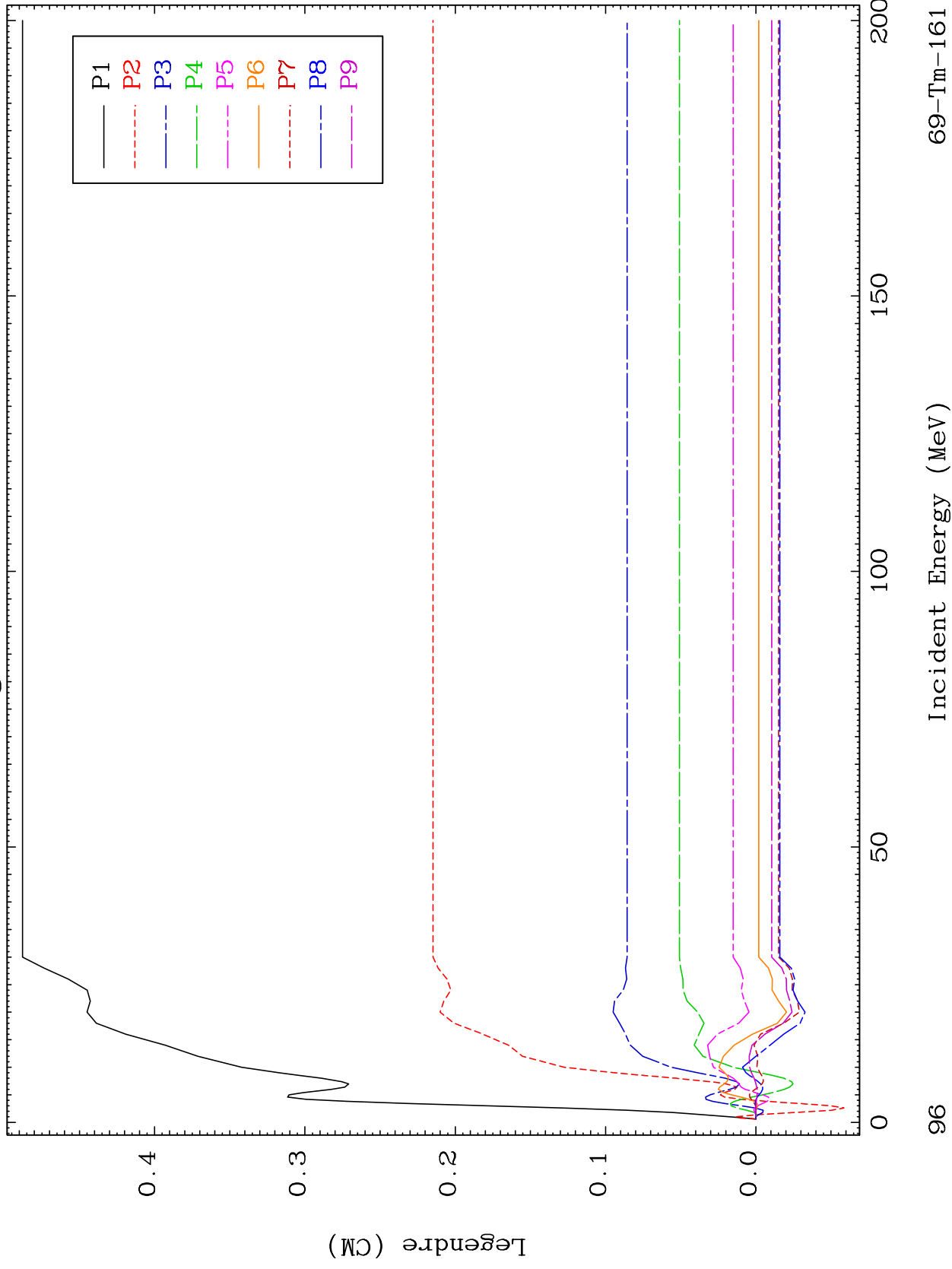




MAT 6901

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

69-Tm-161



96

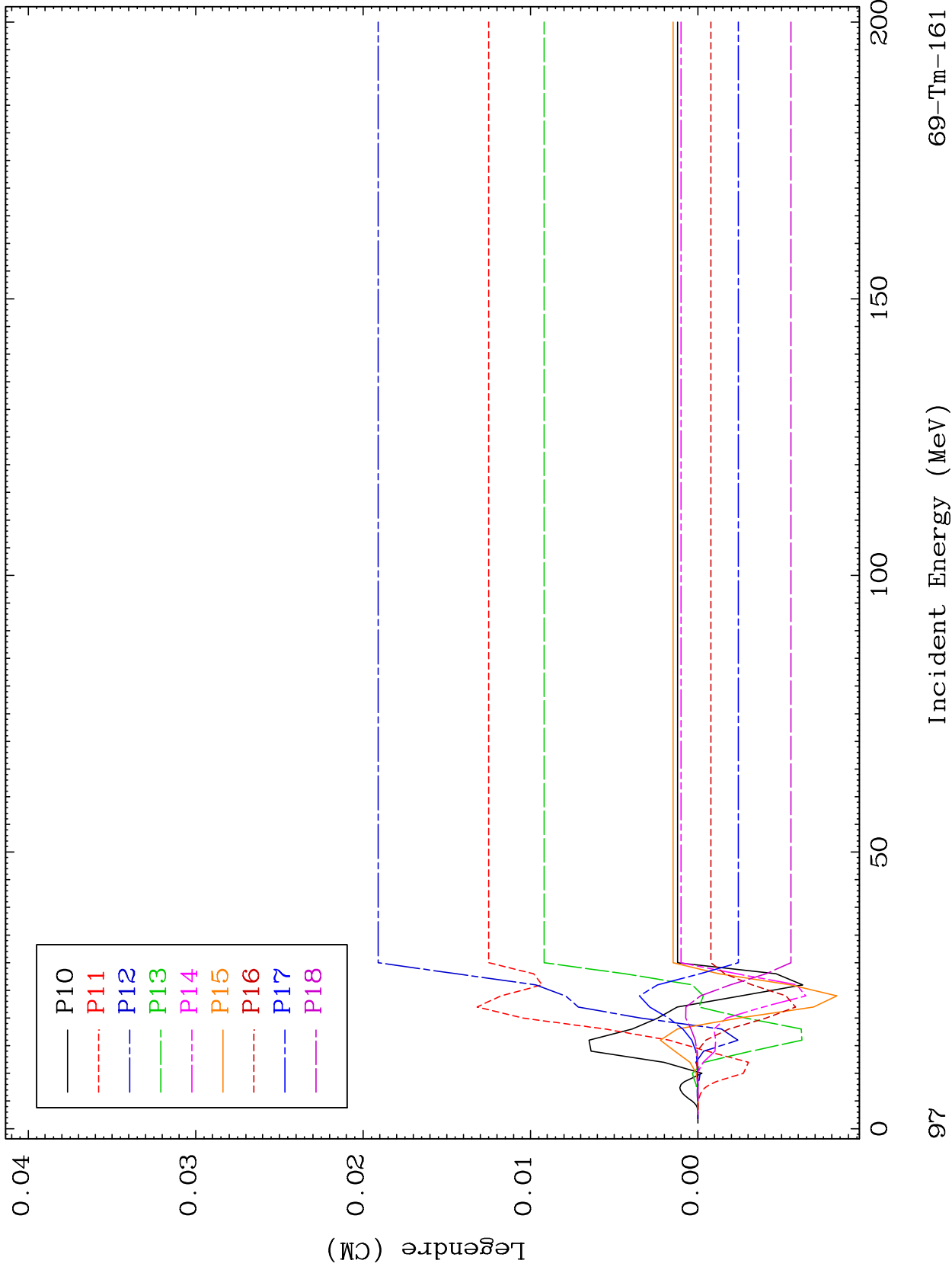
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161



97

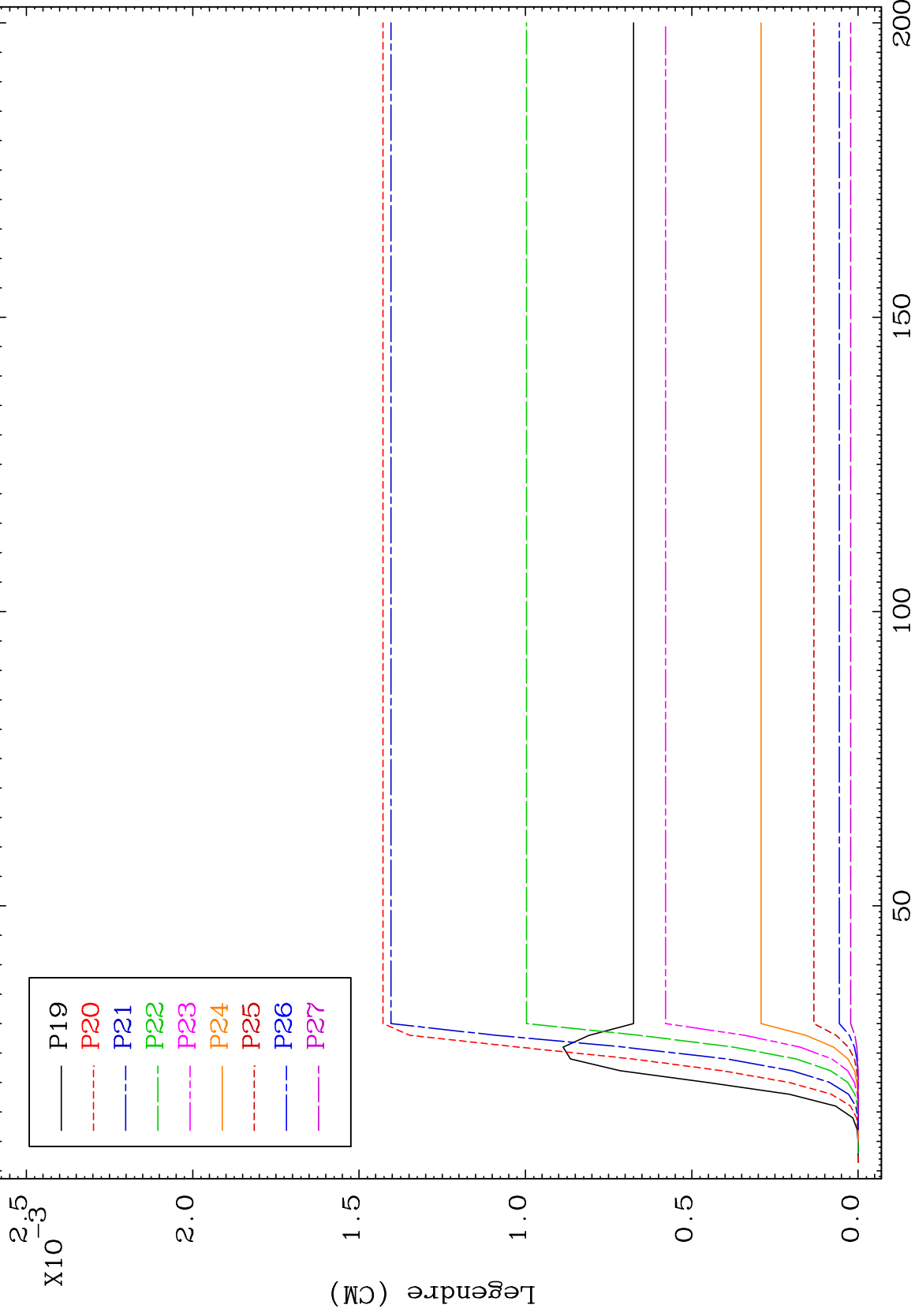
Incident Energy (MeV)

69-Tm-161

MAT 6901

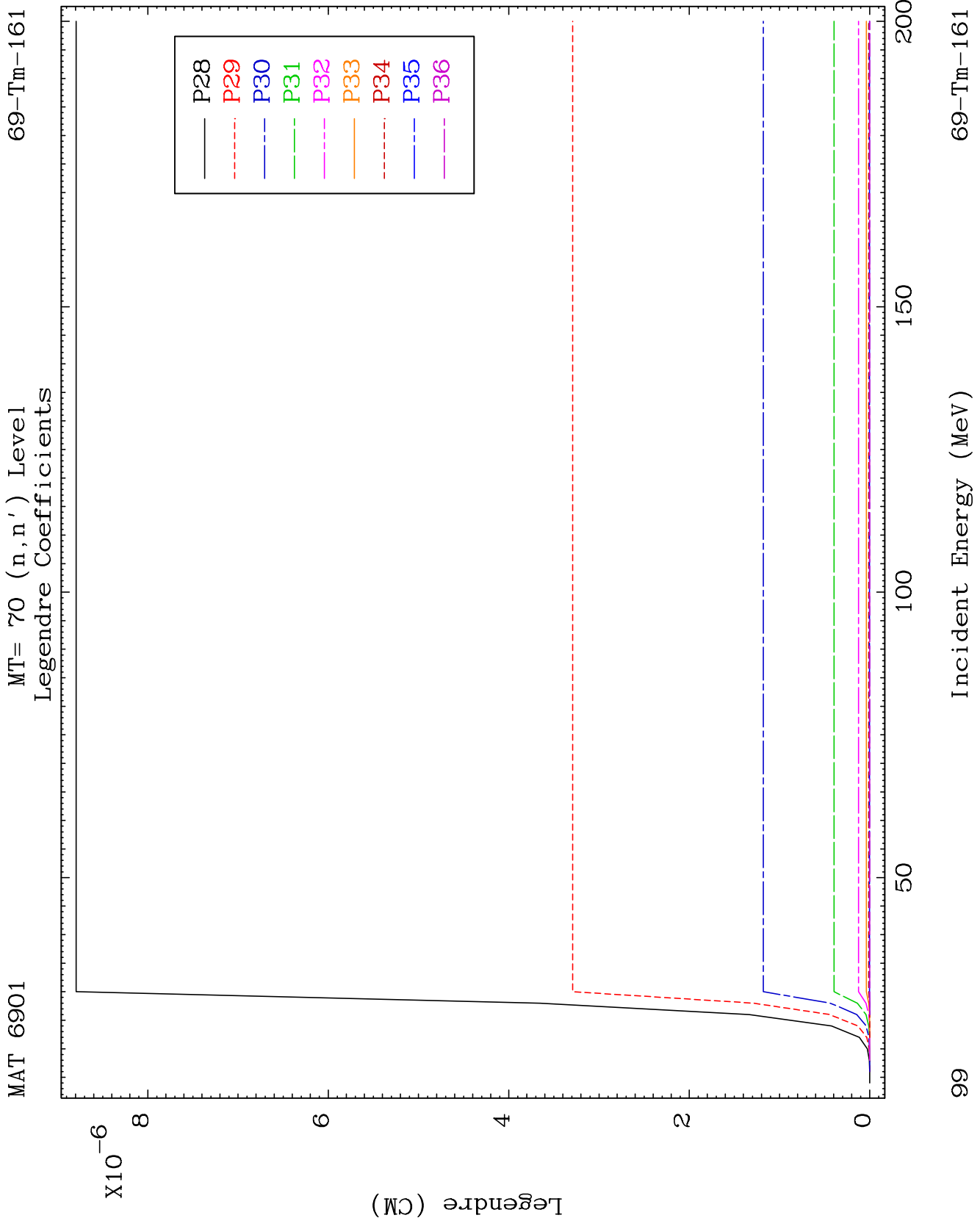
MT= 70 (n,n') Level  
Legendre Coefficients

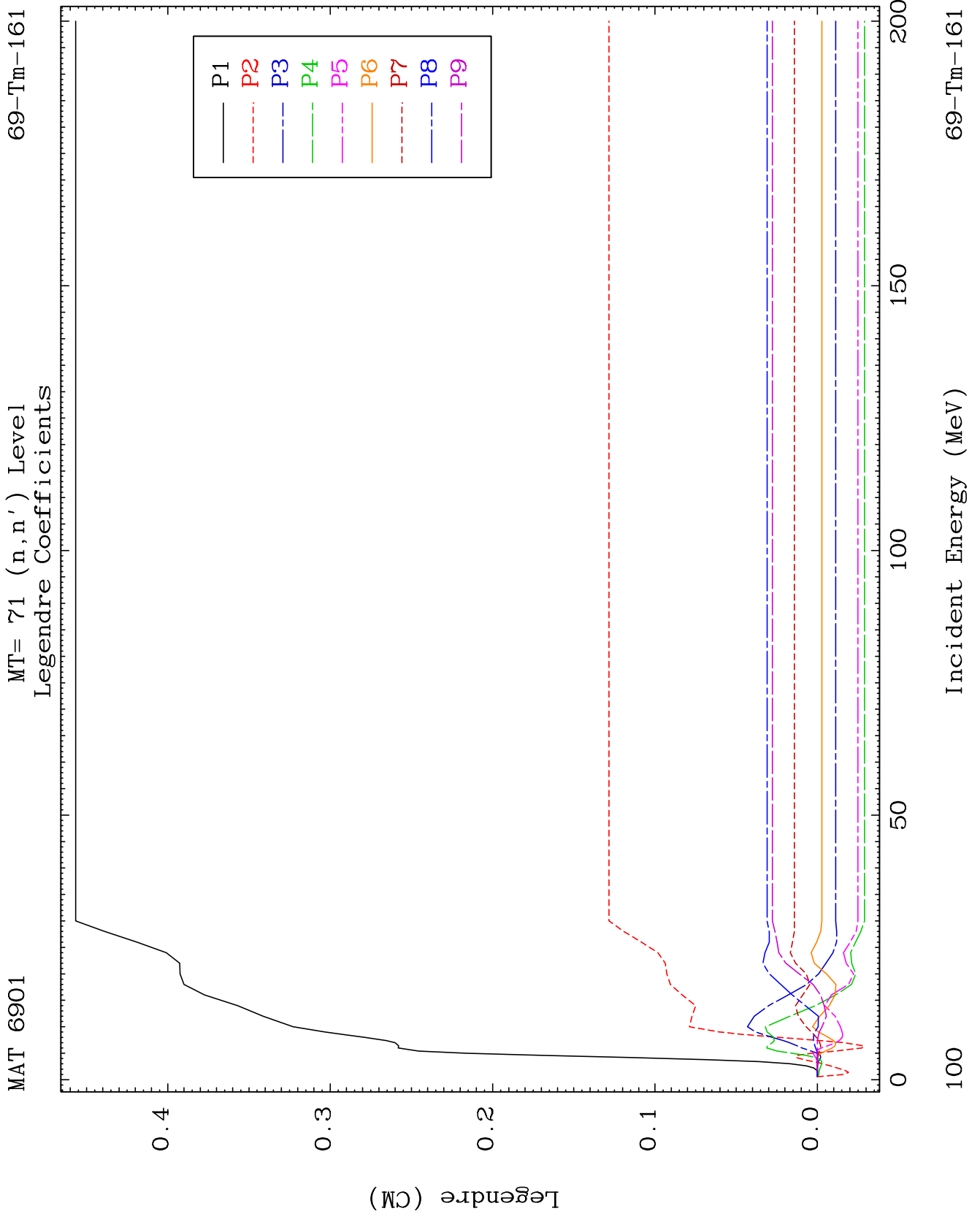
69-Tm-161



98

69-Tm-161

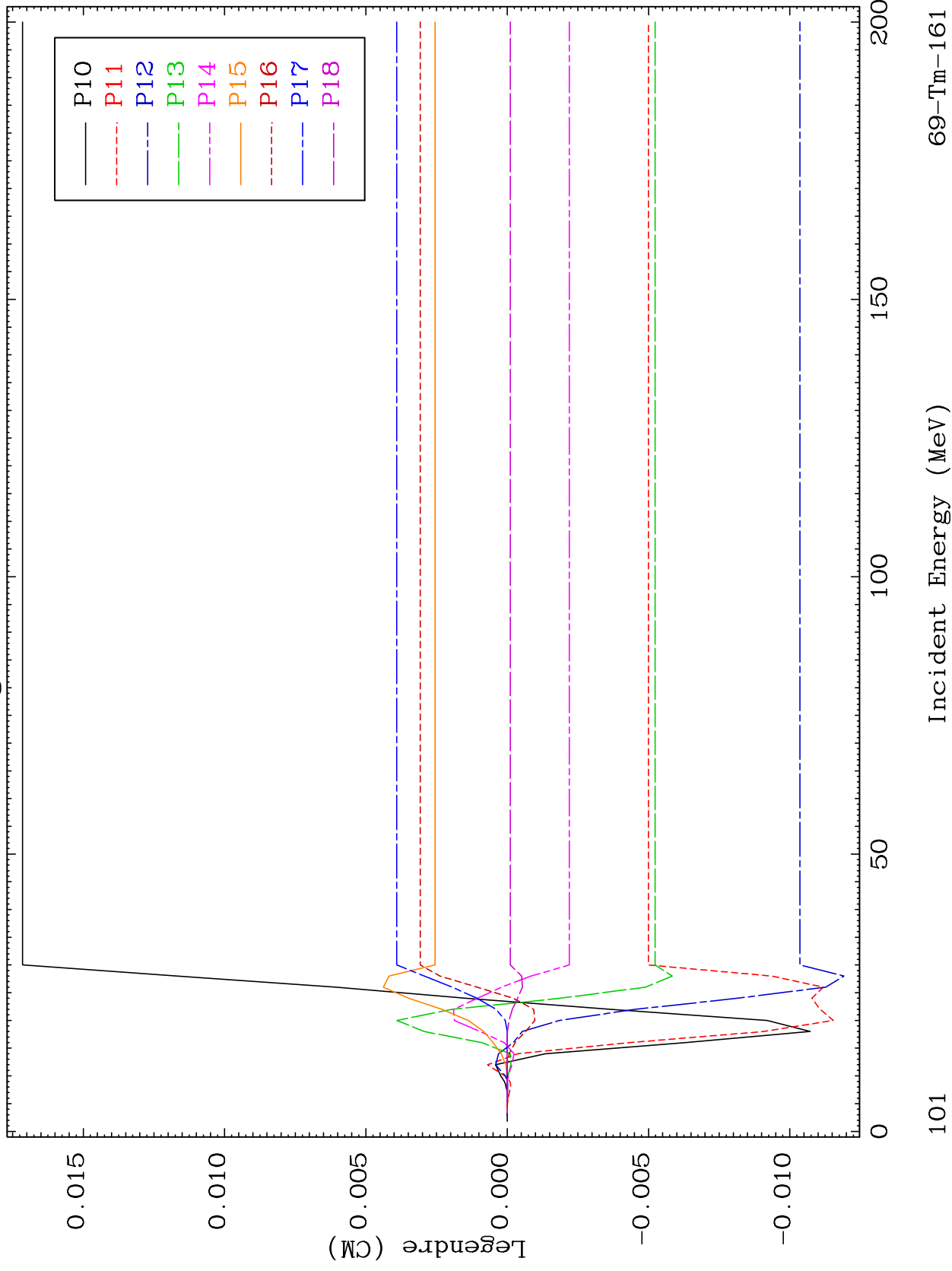




MAT 6901

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

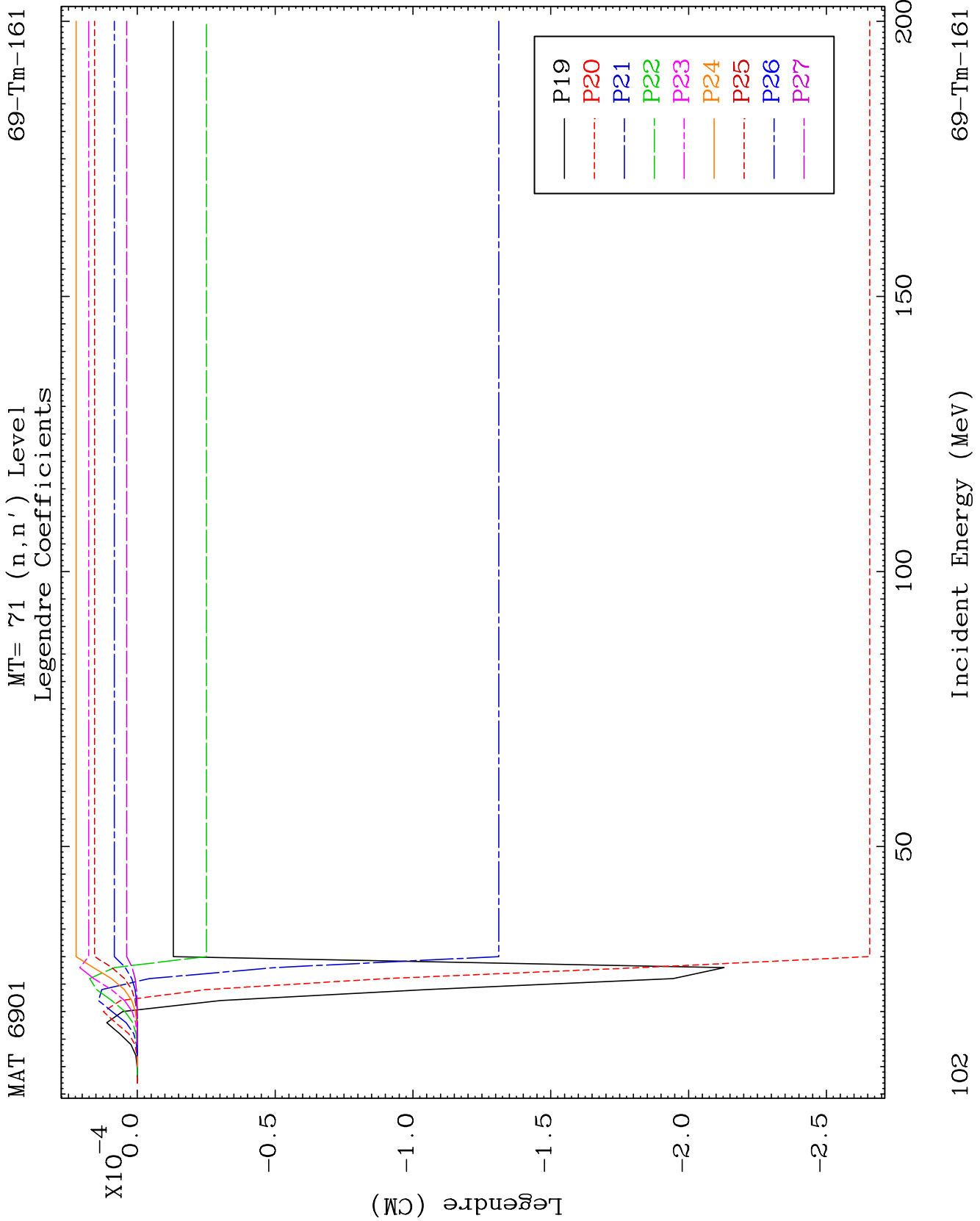
69-Tm-161



69-Tm-161

Incident Energy (MeV)

101



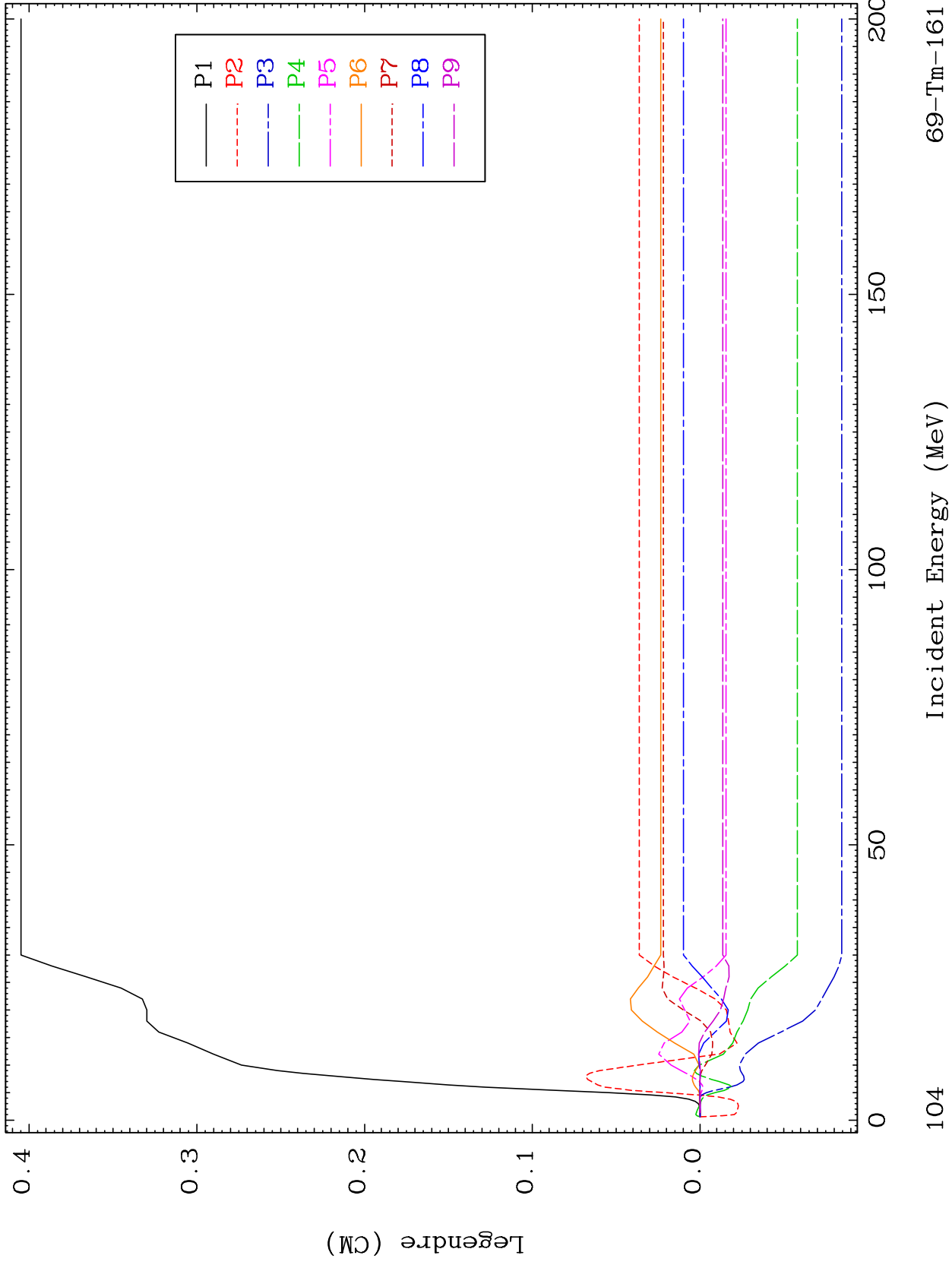




MAT 6901

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

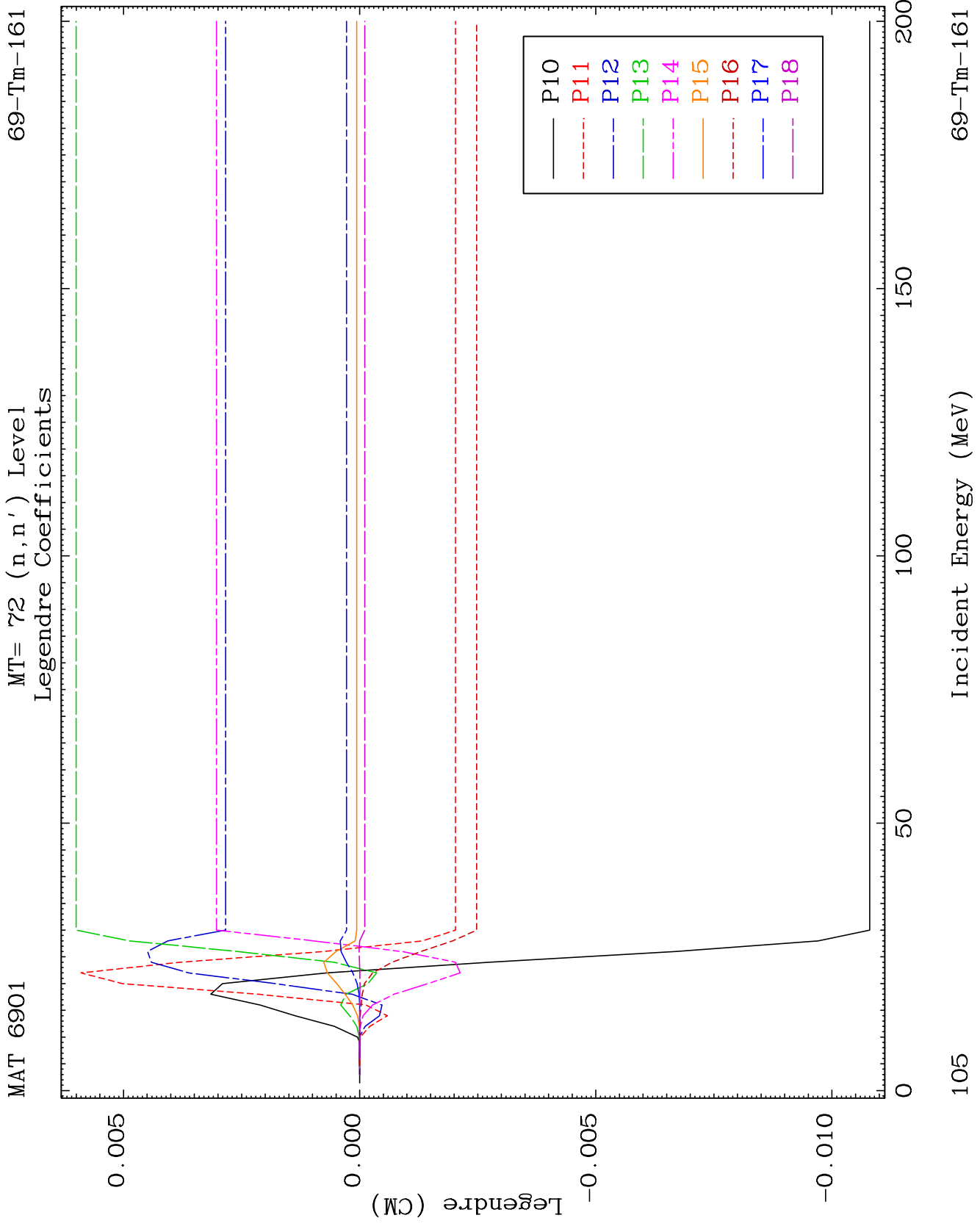
69-Tm-161



69-Tm-161

Incident Energy (MeV)

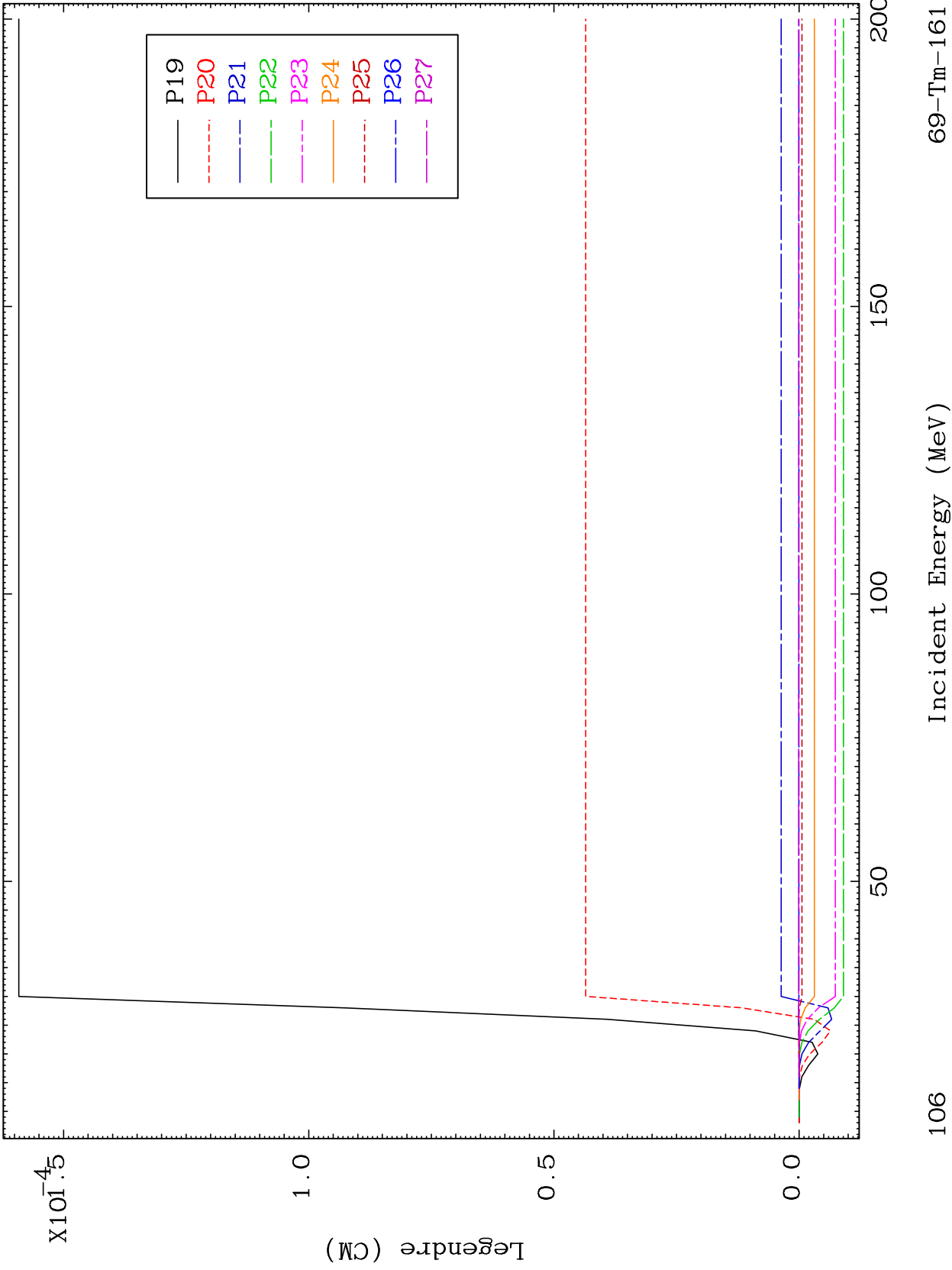
104



MAT 6901

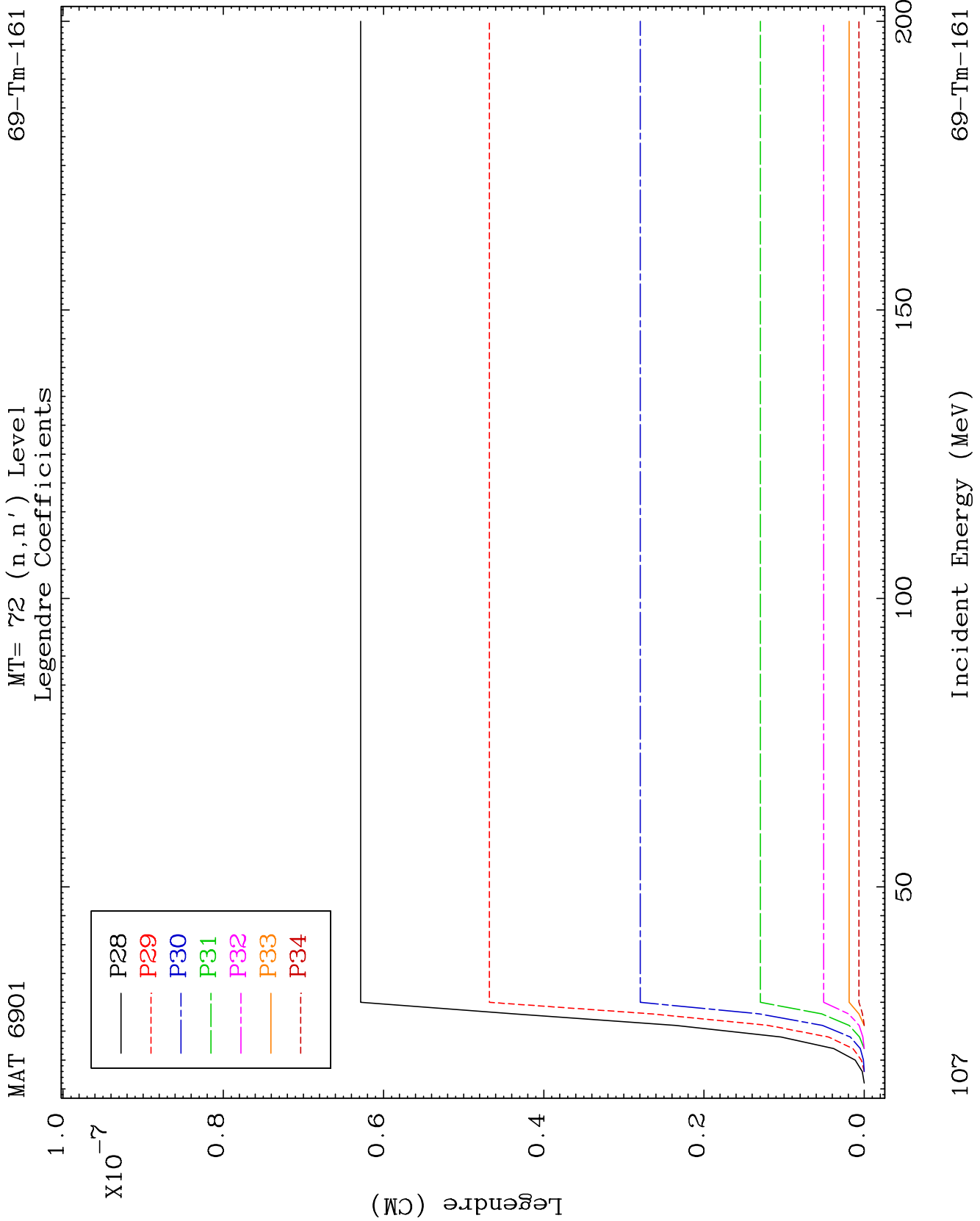
MT= 72 (n,n') Level  
Legendre Coefficients

69-Tm-161



106

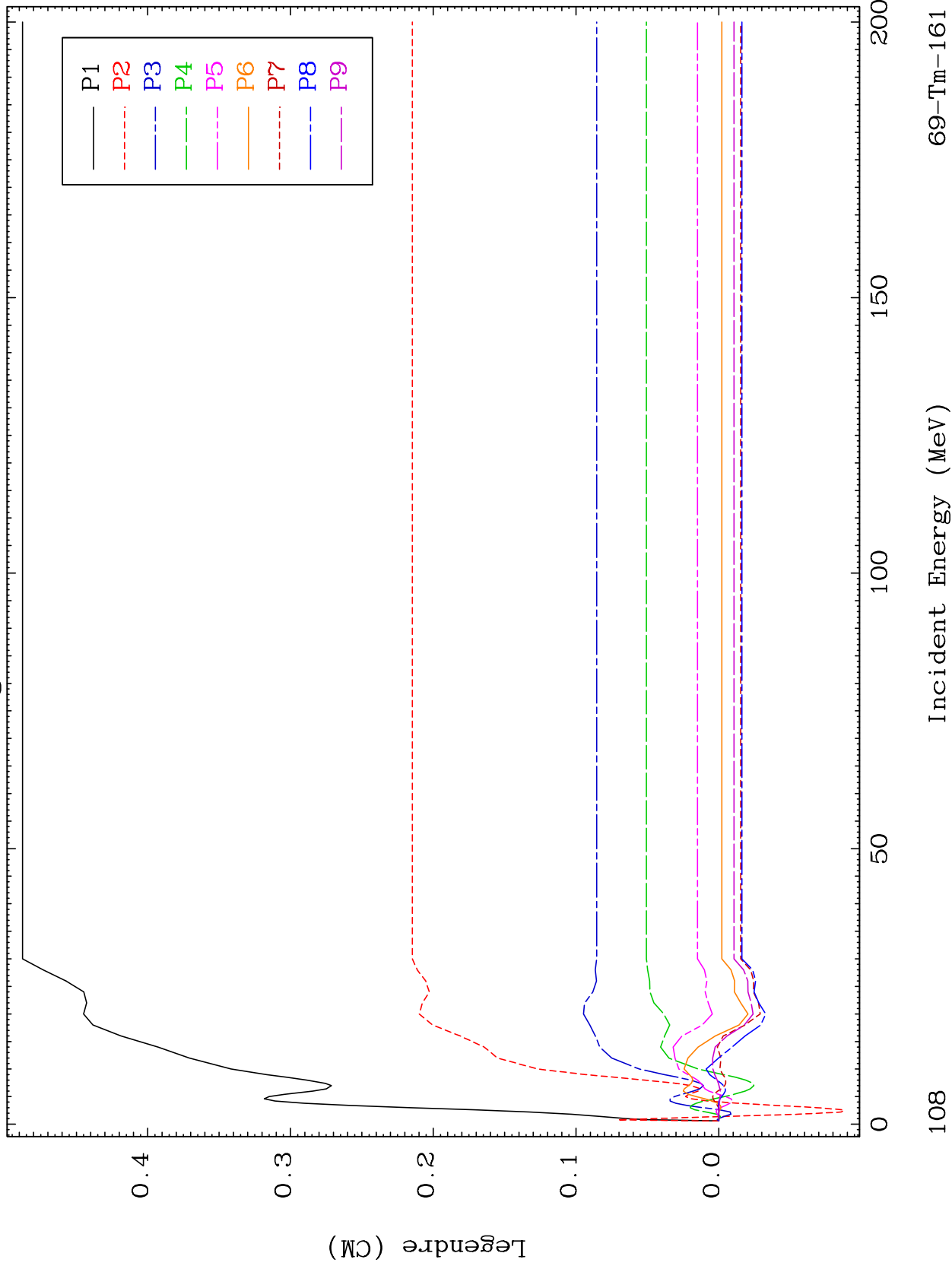
69-Tm-161



MAT 6901

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

69-Tm-161



108

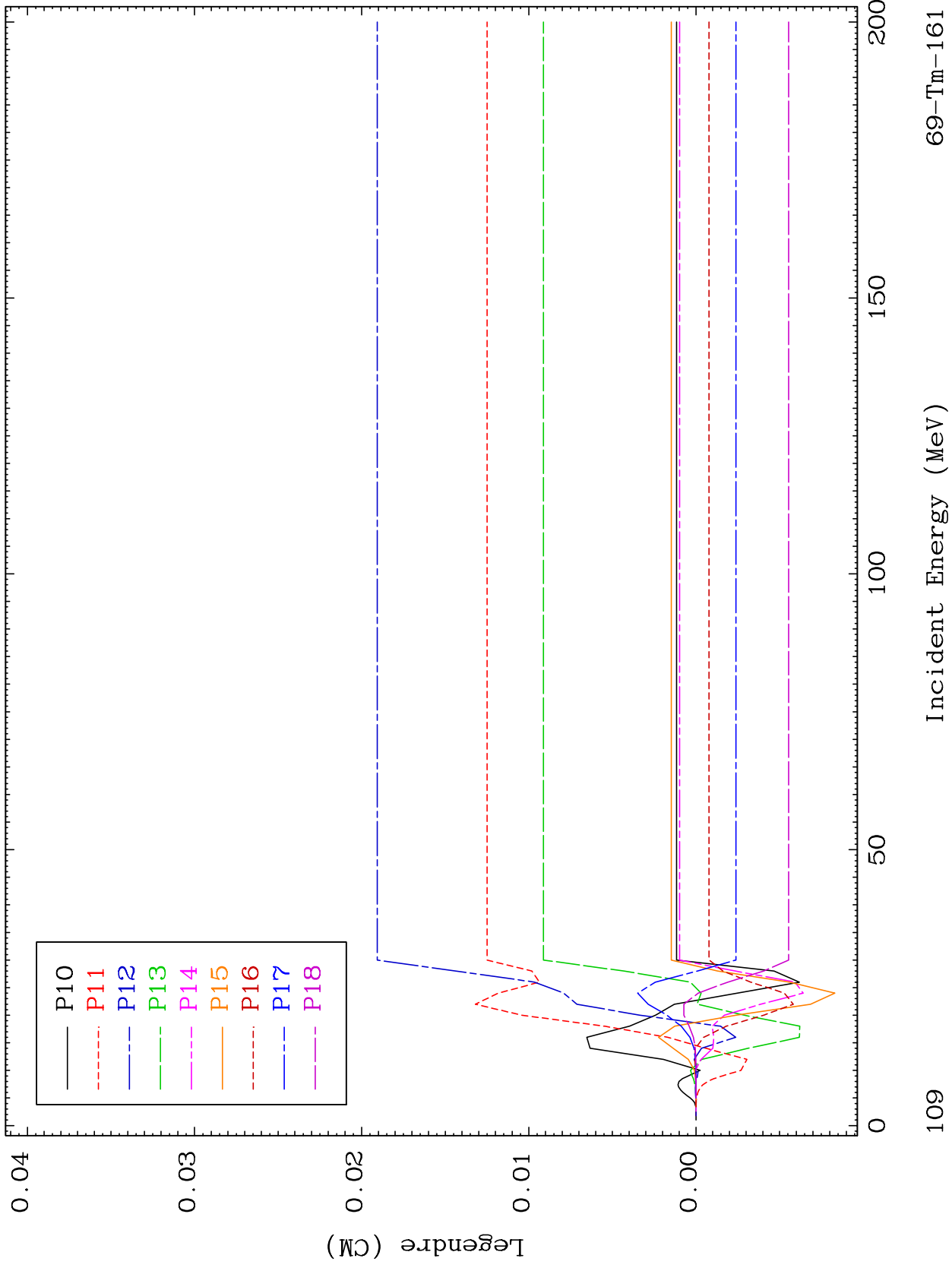
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

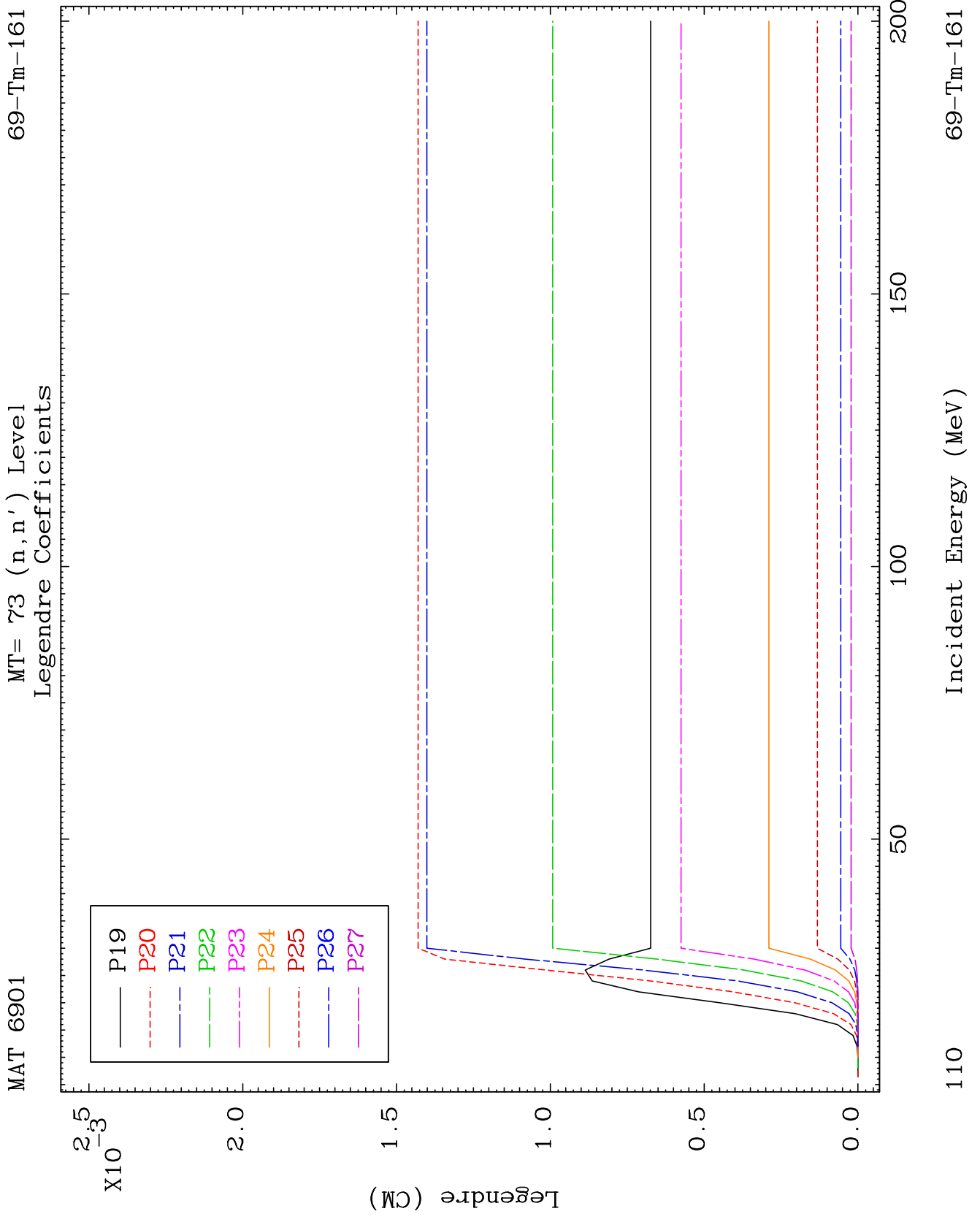
69-Tm-161



109

Incident Energy (MeV)

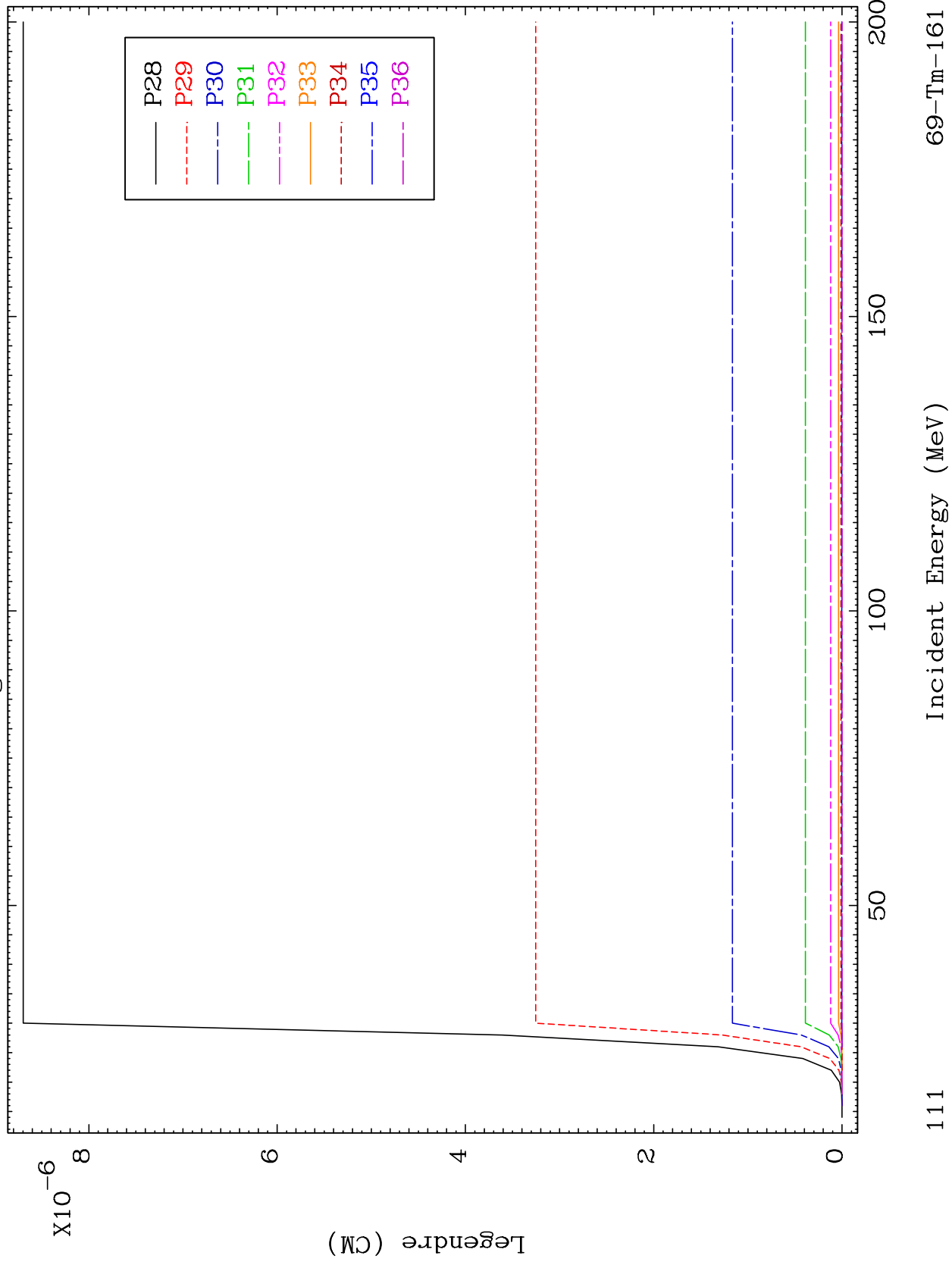
69-Tm-161



MAT 6901

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

69-Tm-161



111

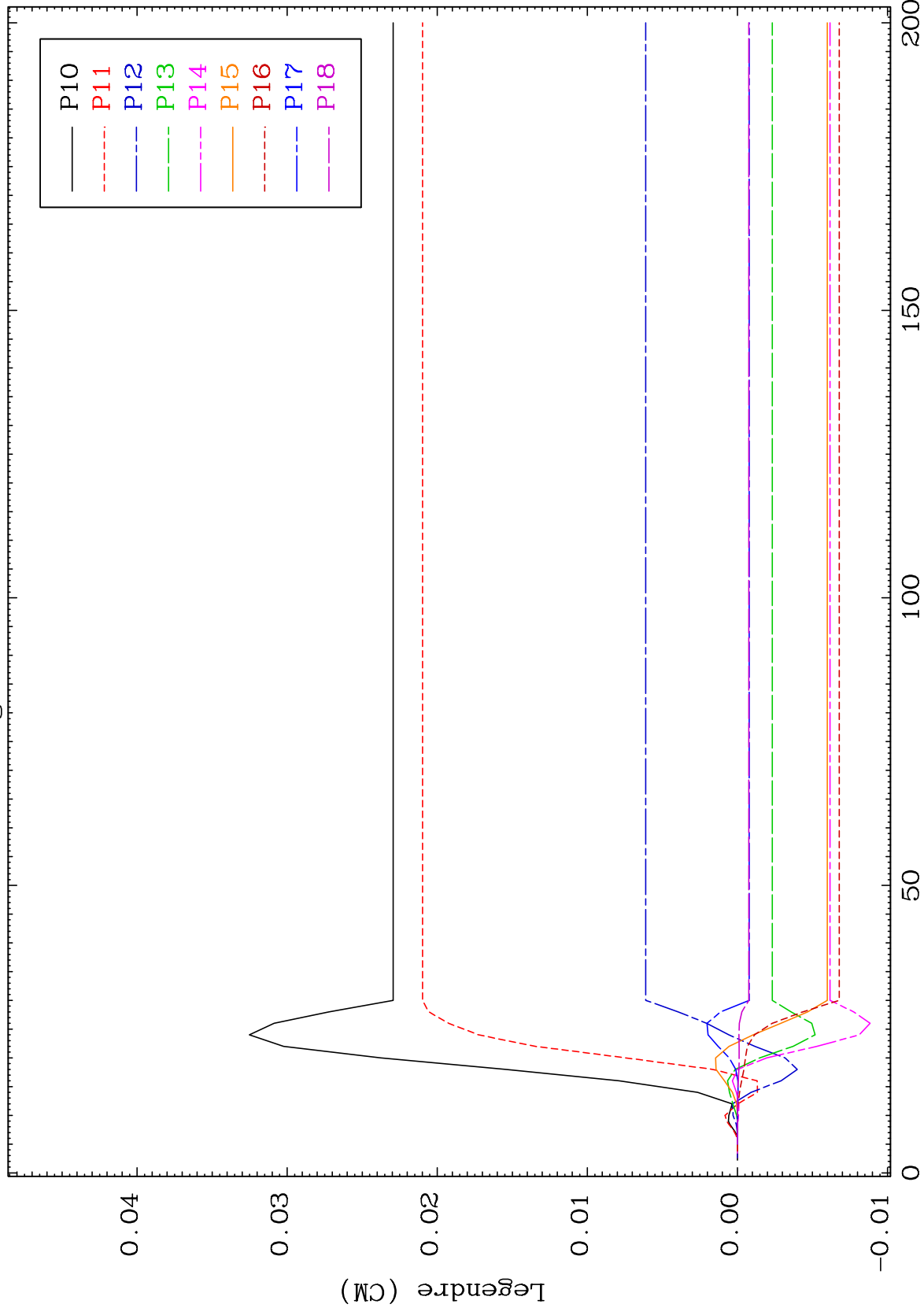




MAT 6901

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

69-Tm-161



113

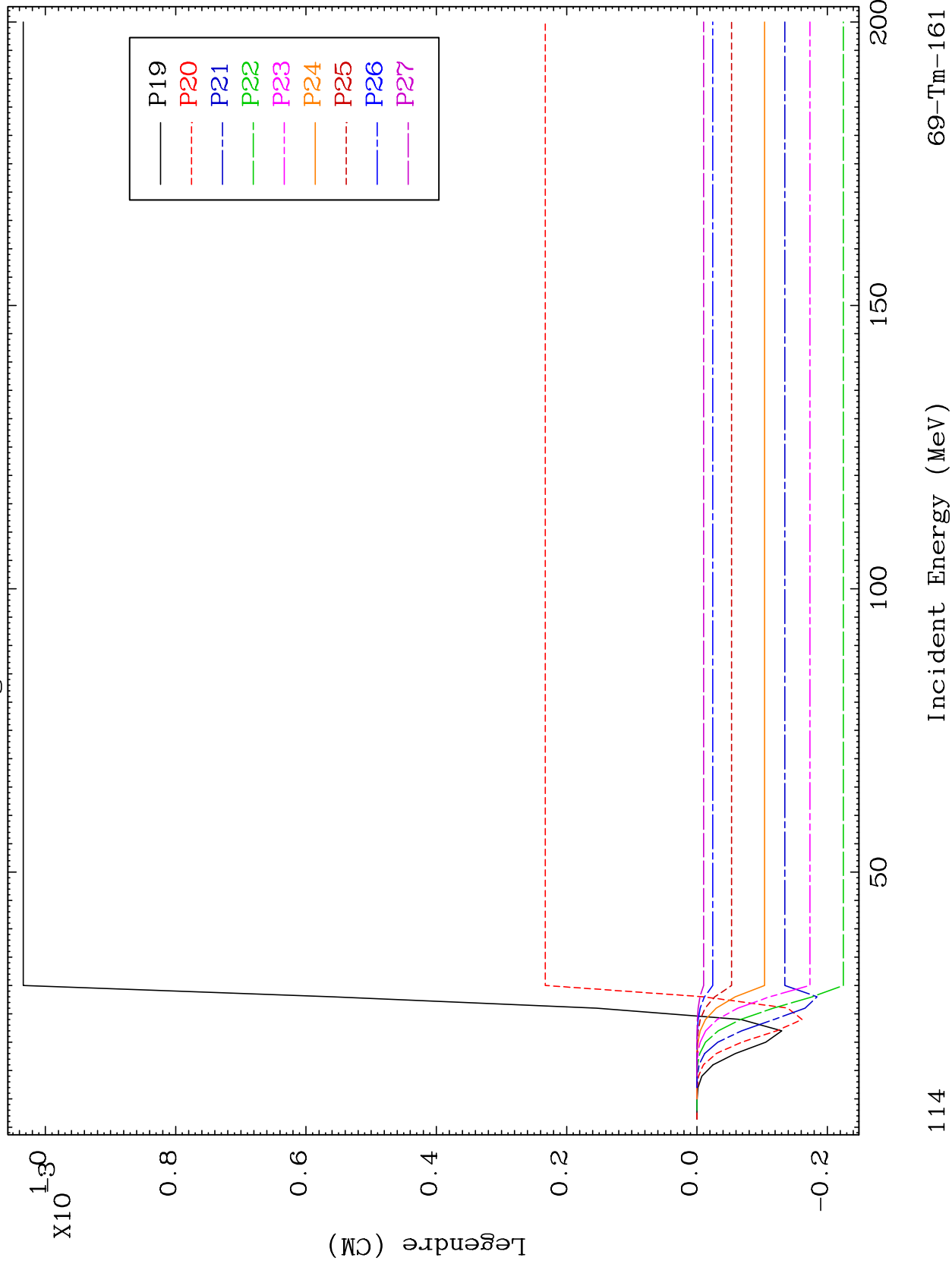
Incident Energy (MeV)

69-Tm-161

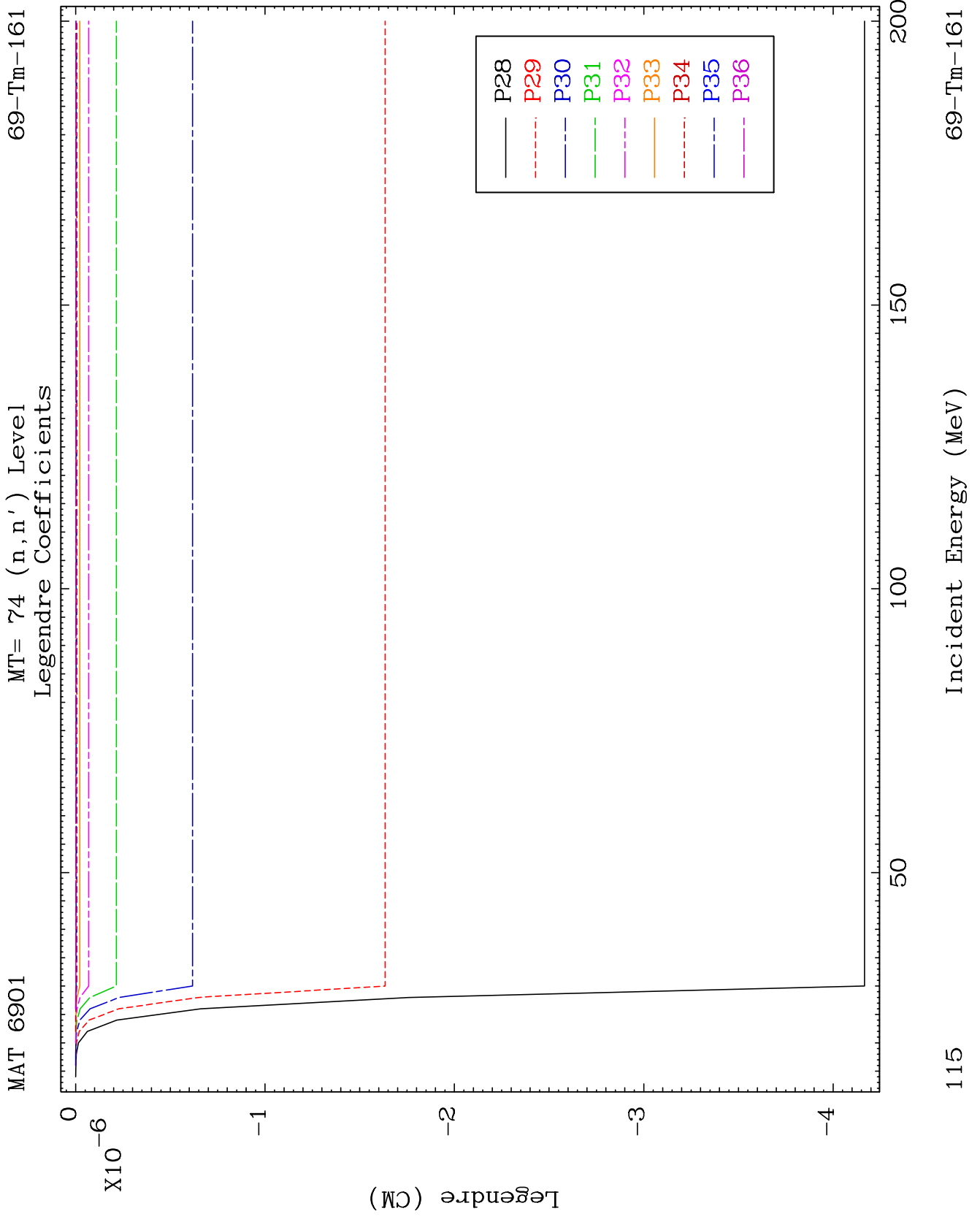
MAT 6901

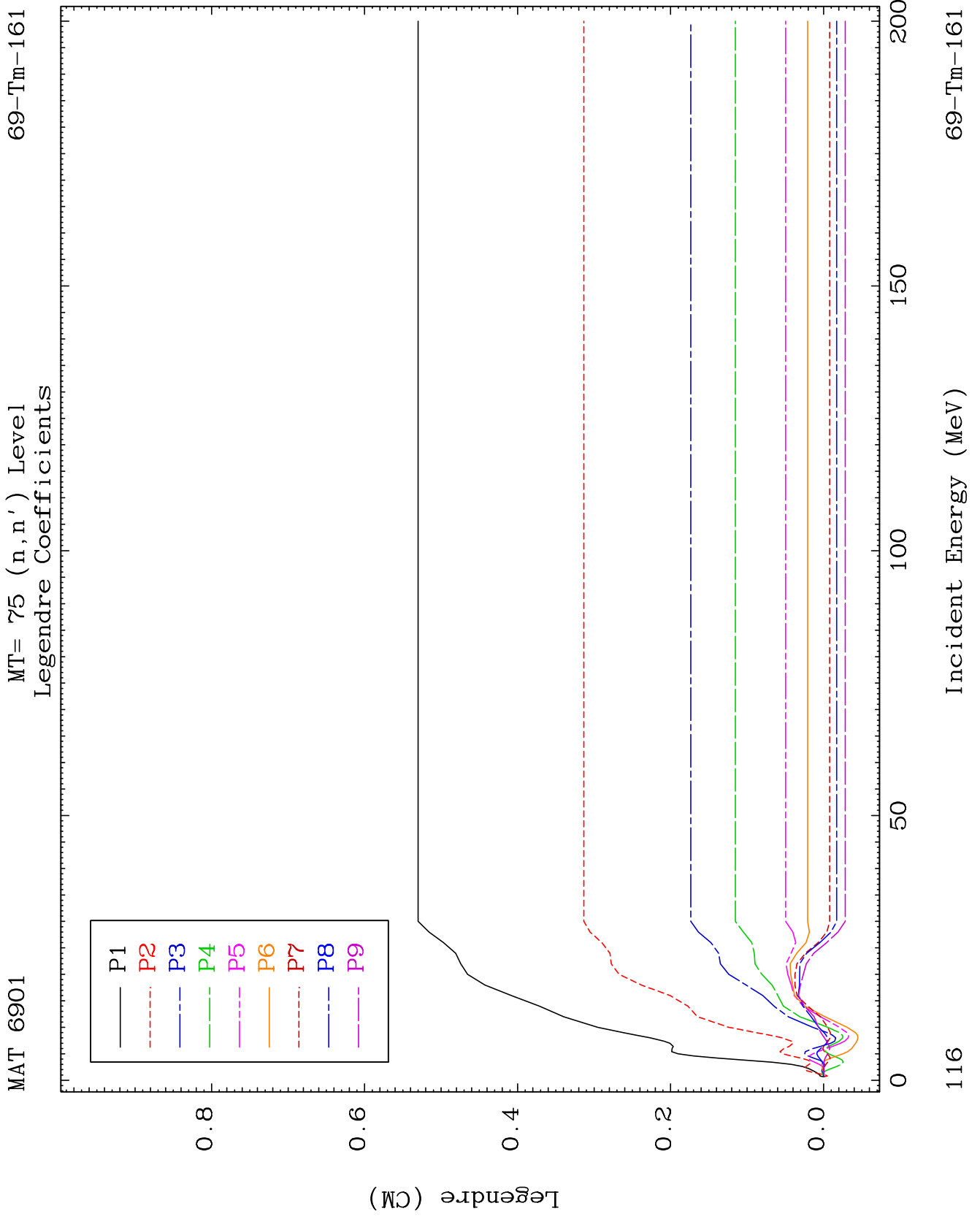
MT= 74 (n,n') Level  
Legendre Coefficients

69-Tm-161



114

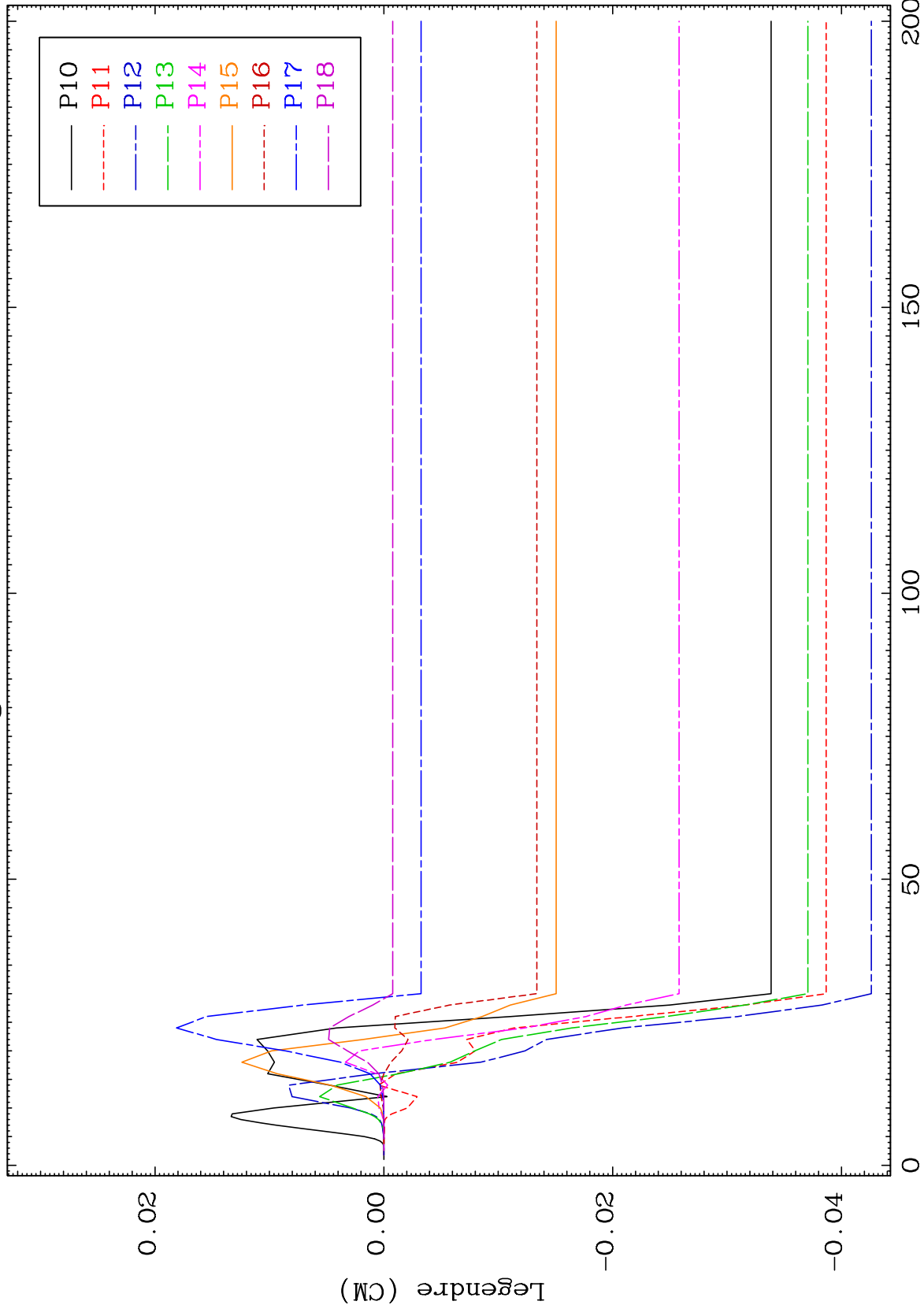




MAT 6901

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

69-Tm-161



117

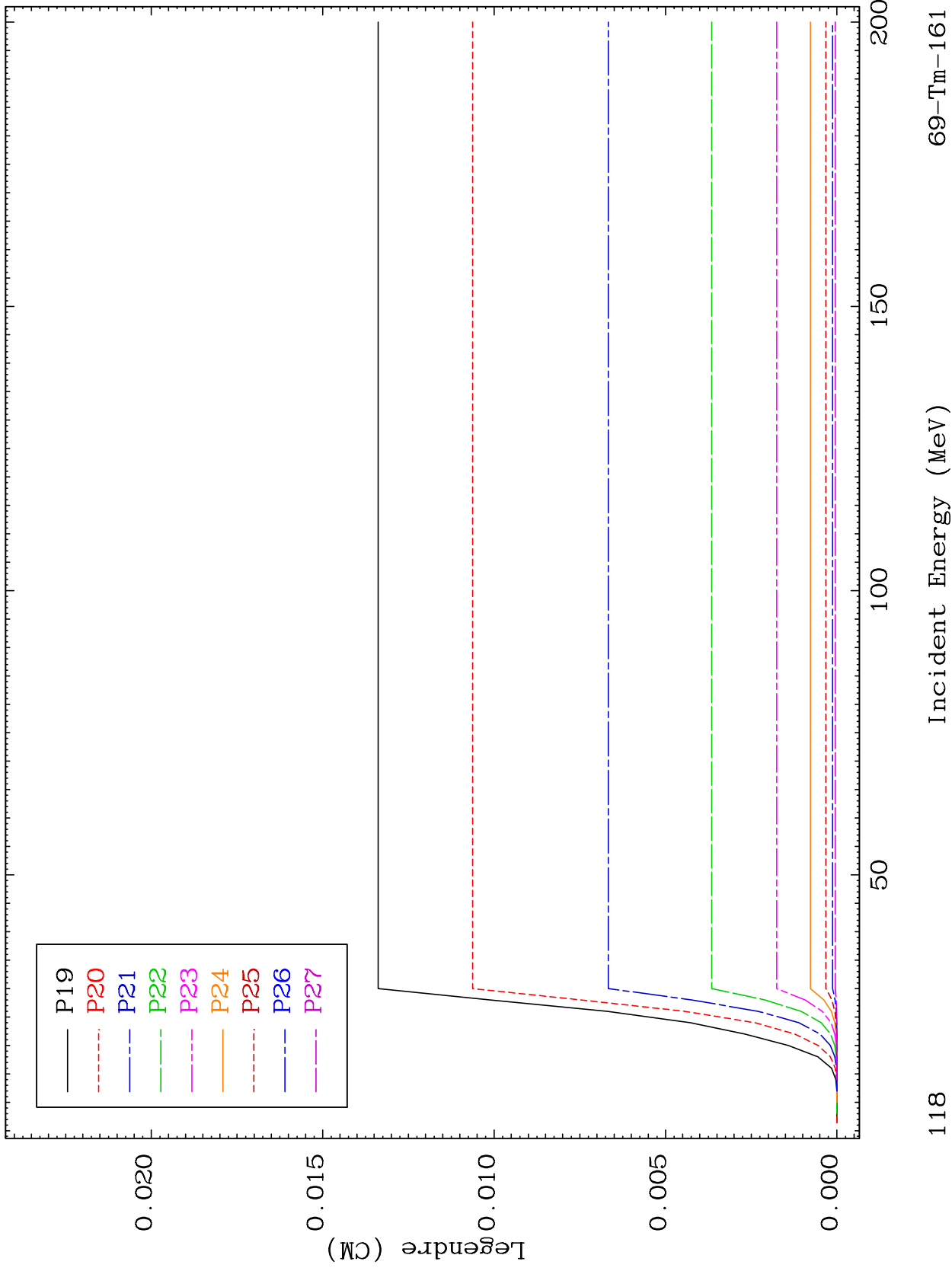
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161

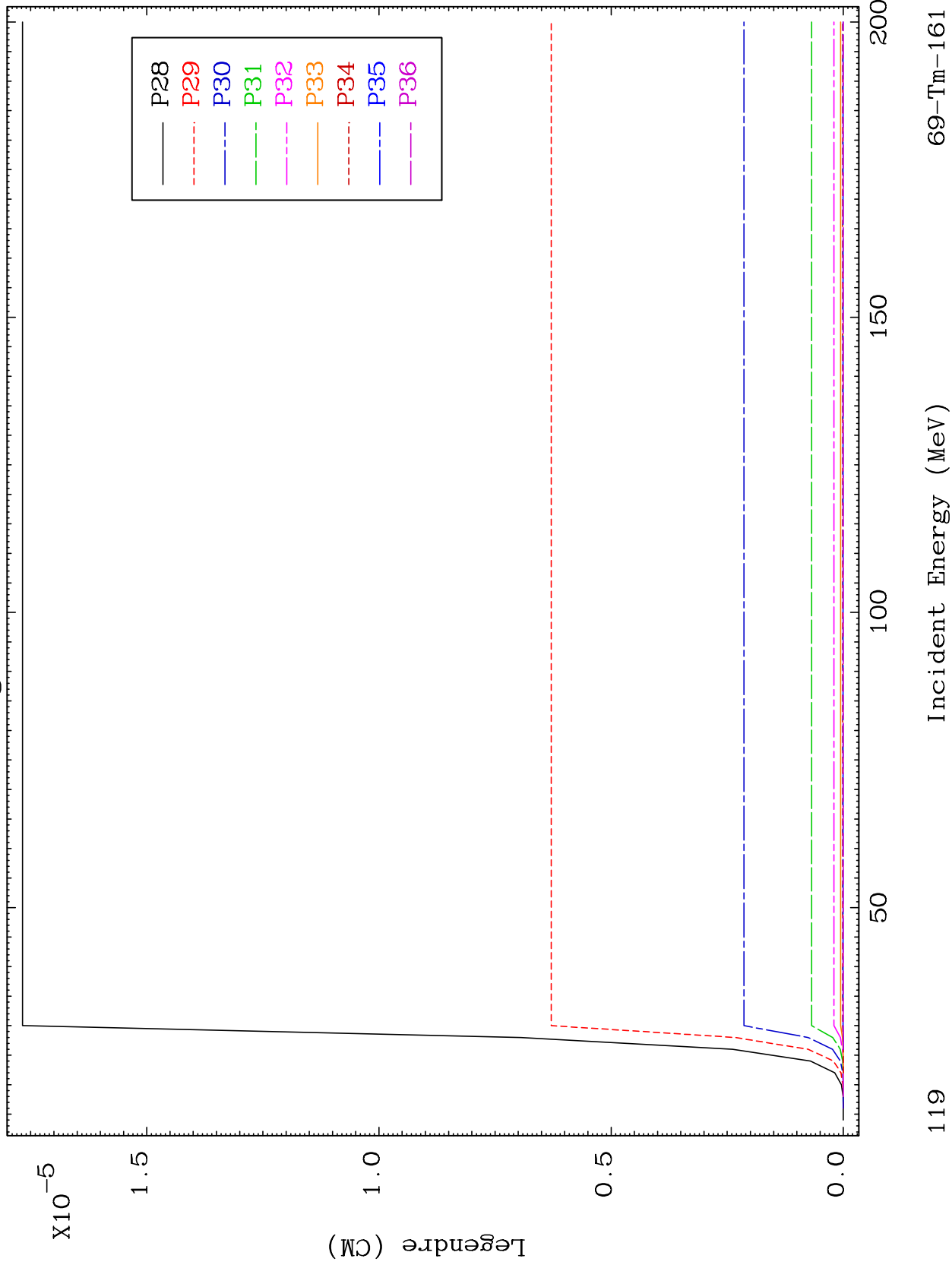


118

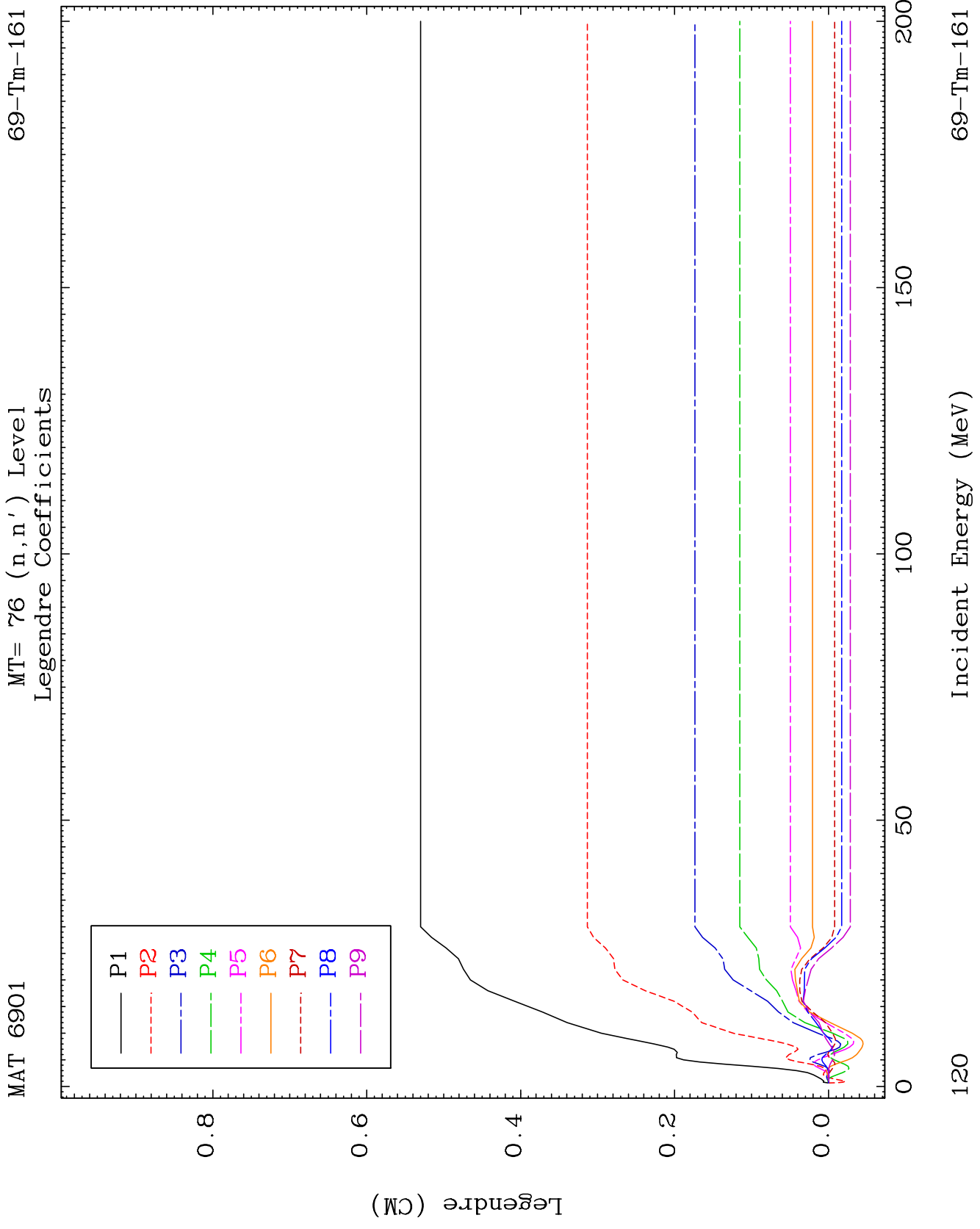
MAT 6901

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

69-Tm-161



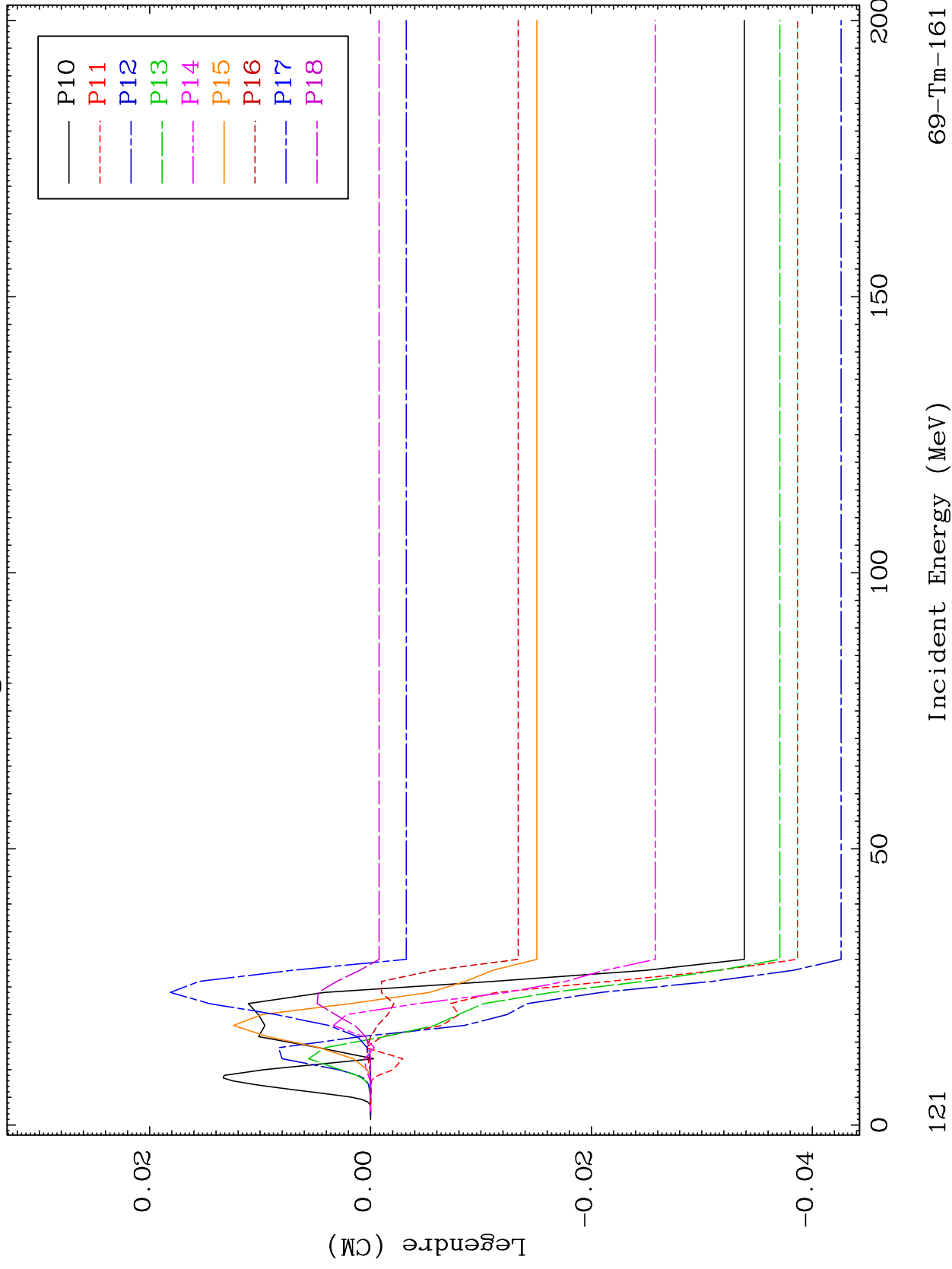




MAT 6901

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

69-Tm-161



69-Tm-161

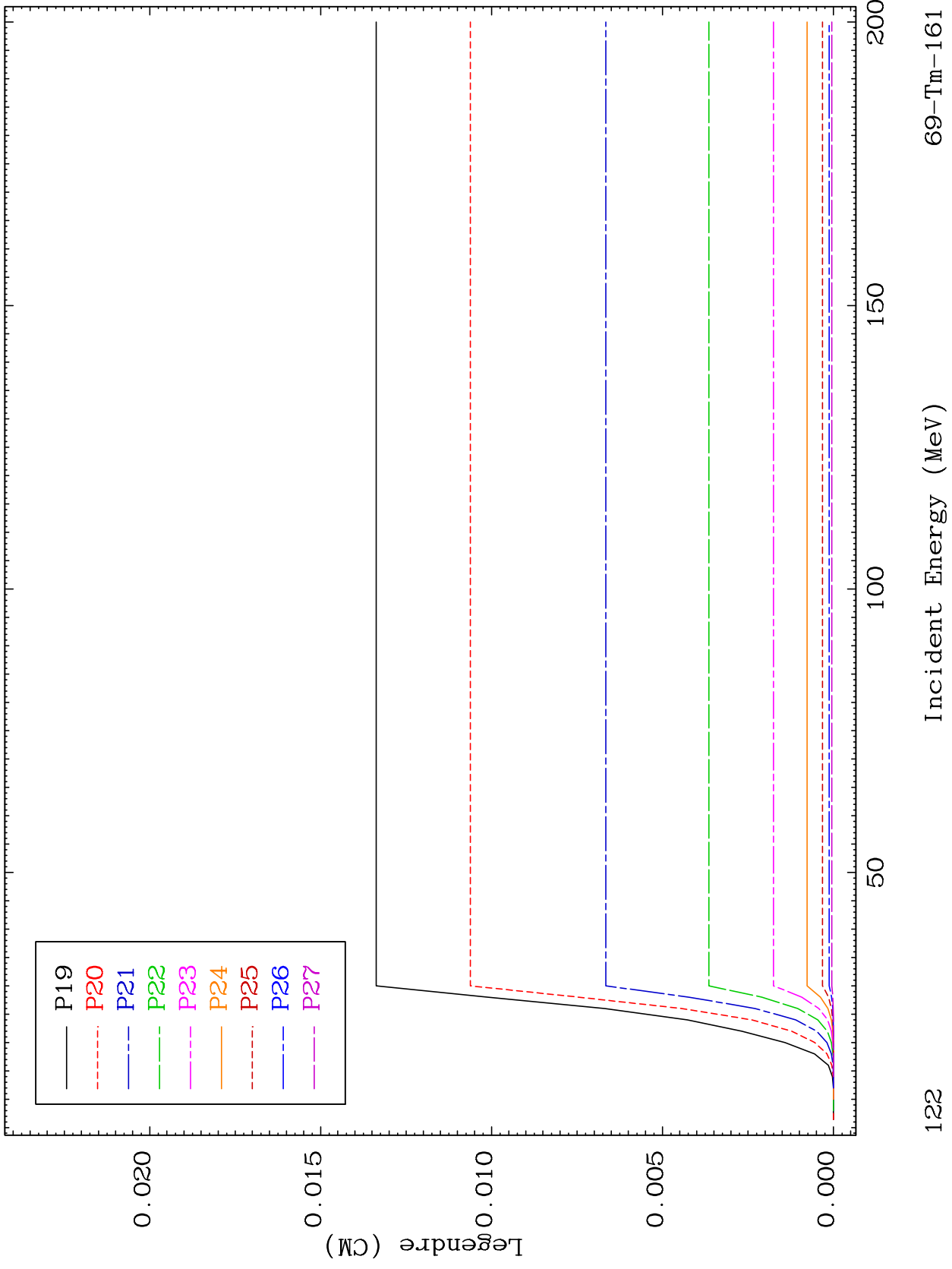
Incident Energy (MeV)

121

MAT 6901

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

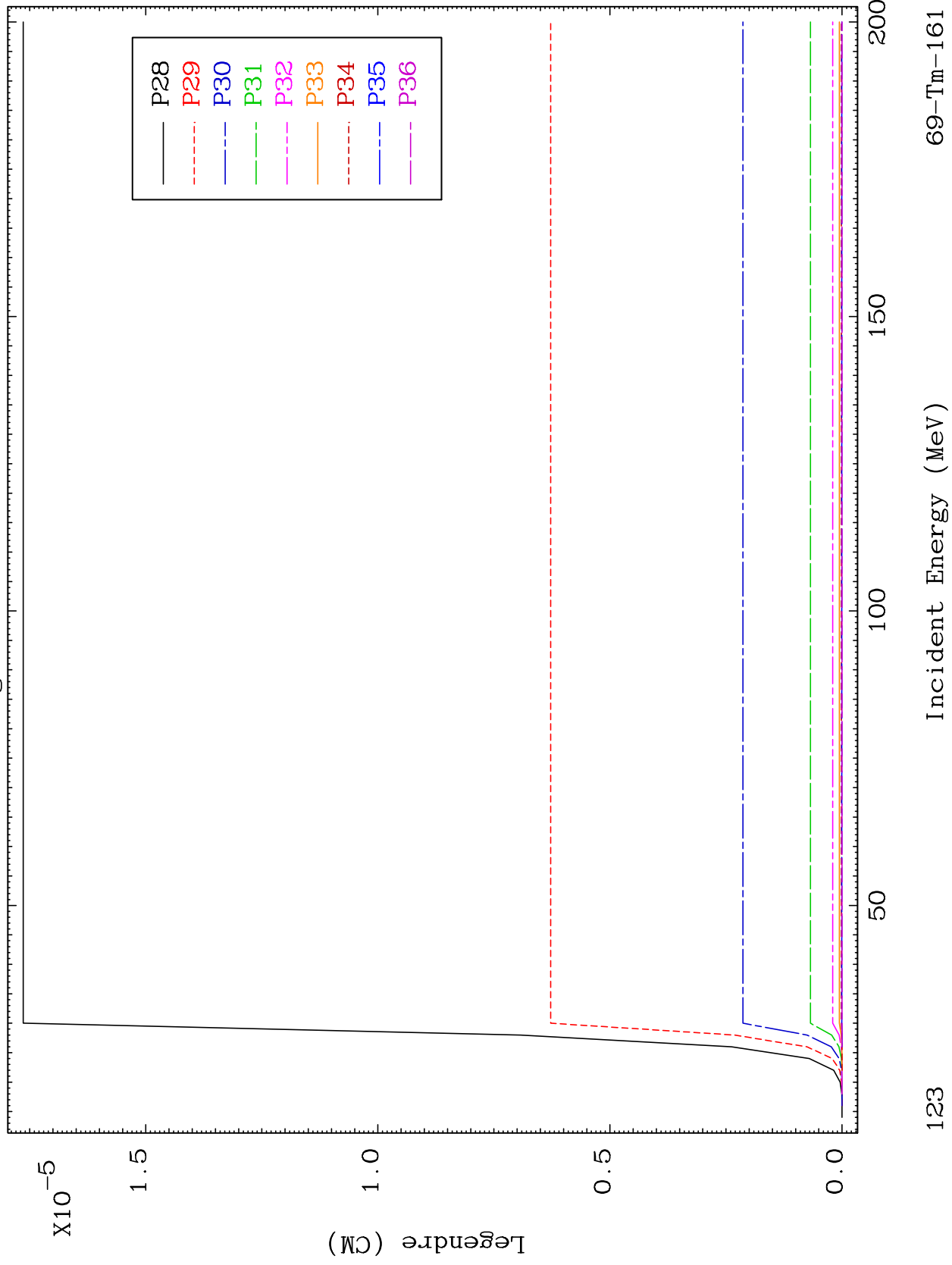
69-Tm-161

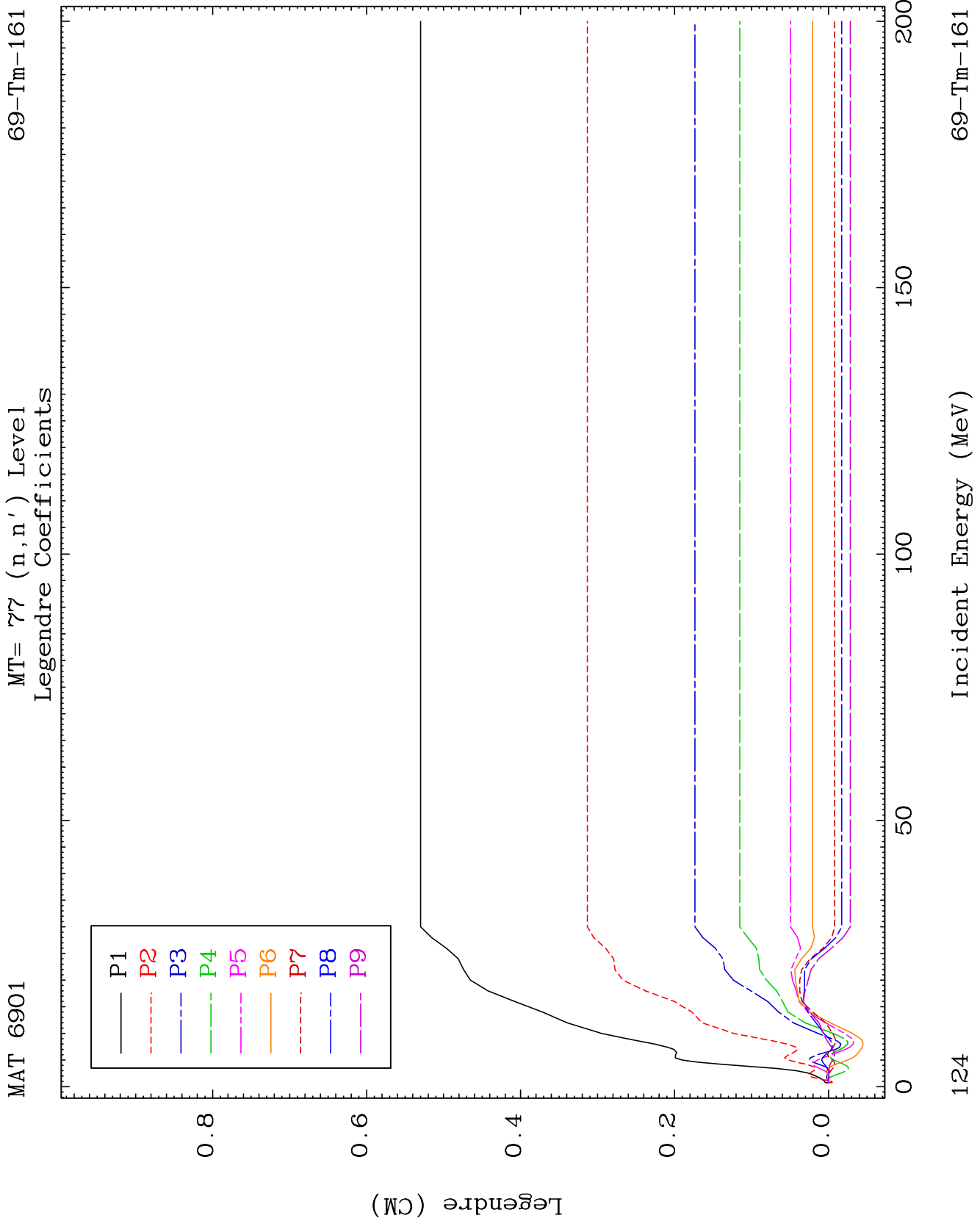


MAT 6901

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

69-Tm-161



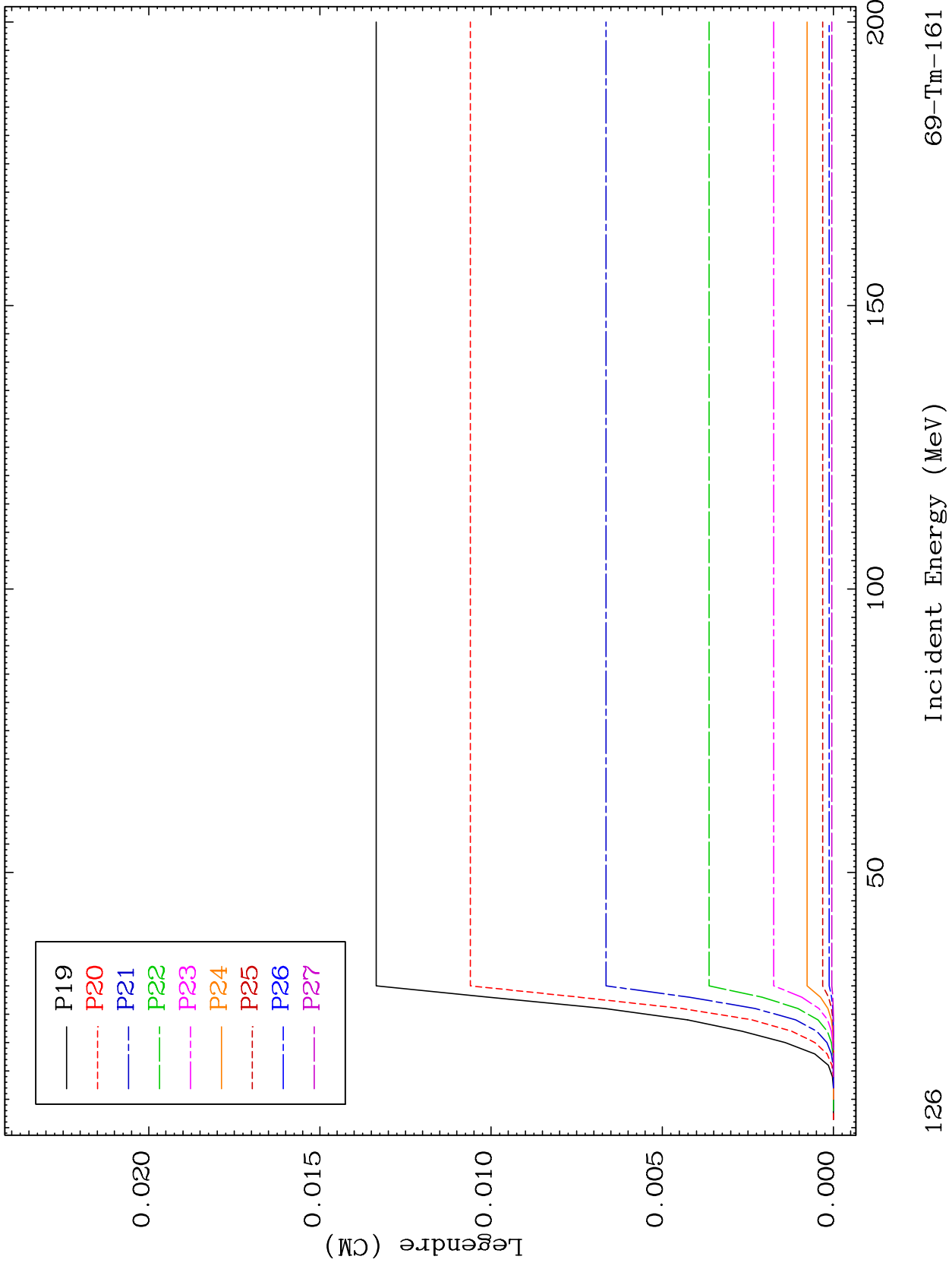




MAT 6901

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

69-Tm-161



126

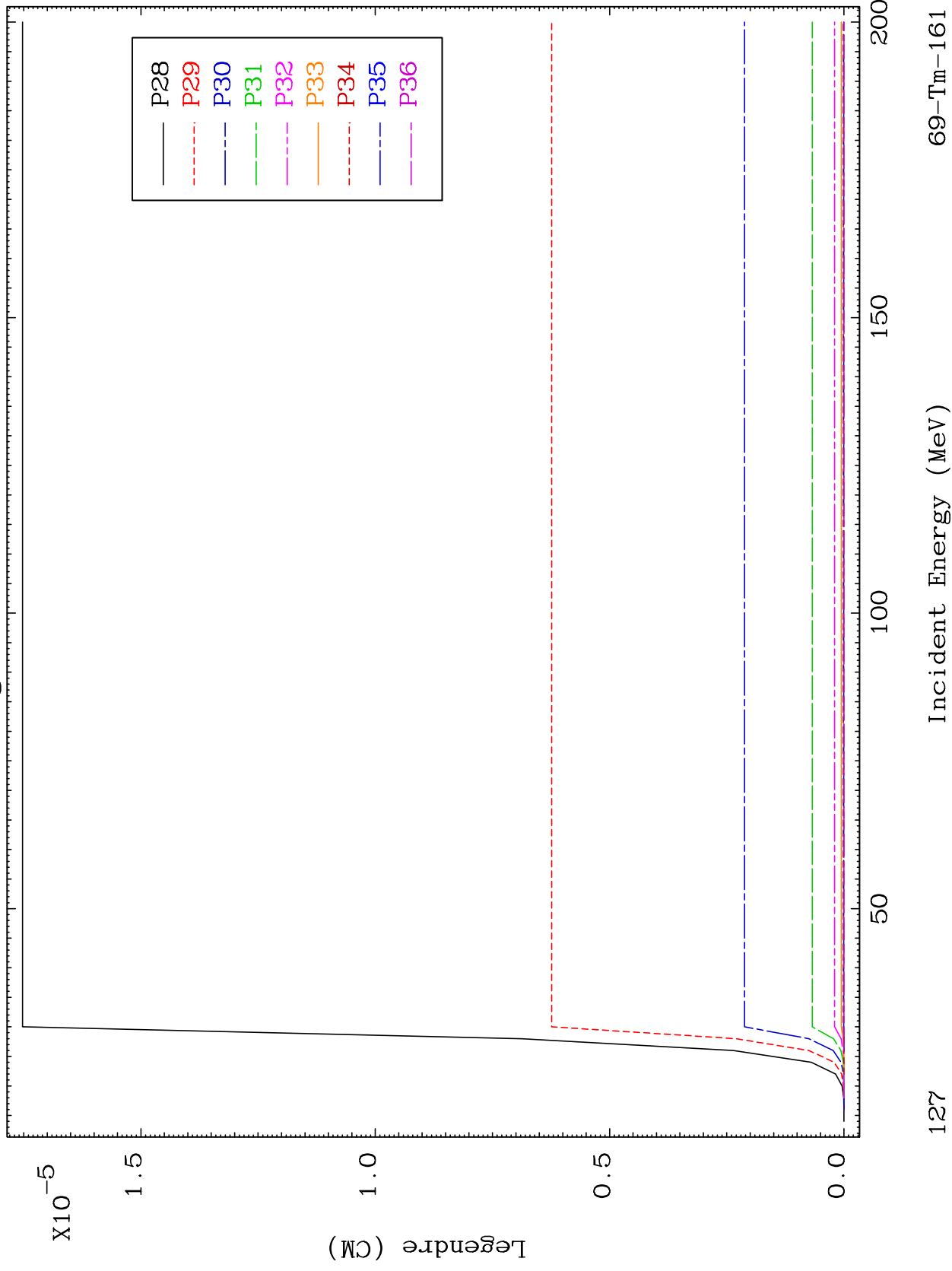
Incident Energy (MeV)

69-Tm-161

MAT 6901

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

69-Tm-161

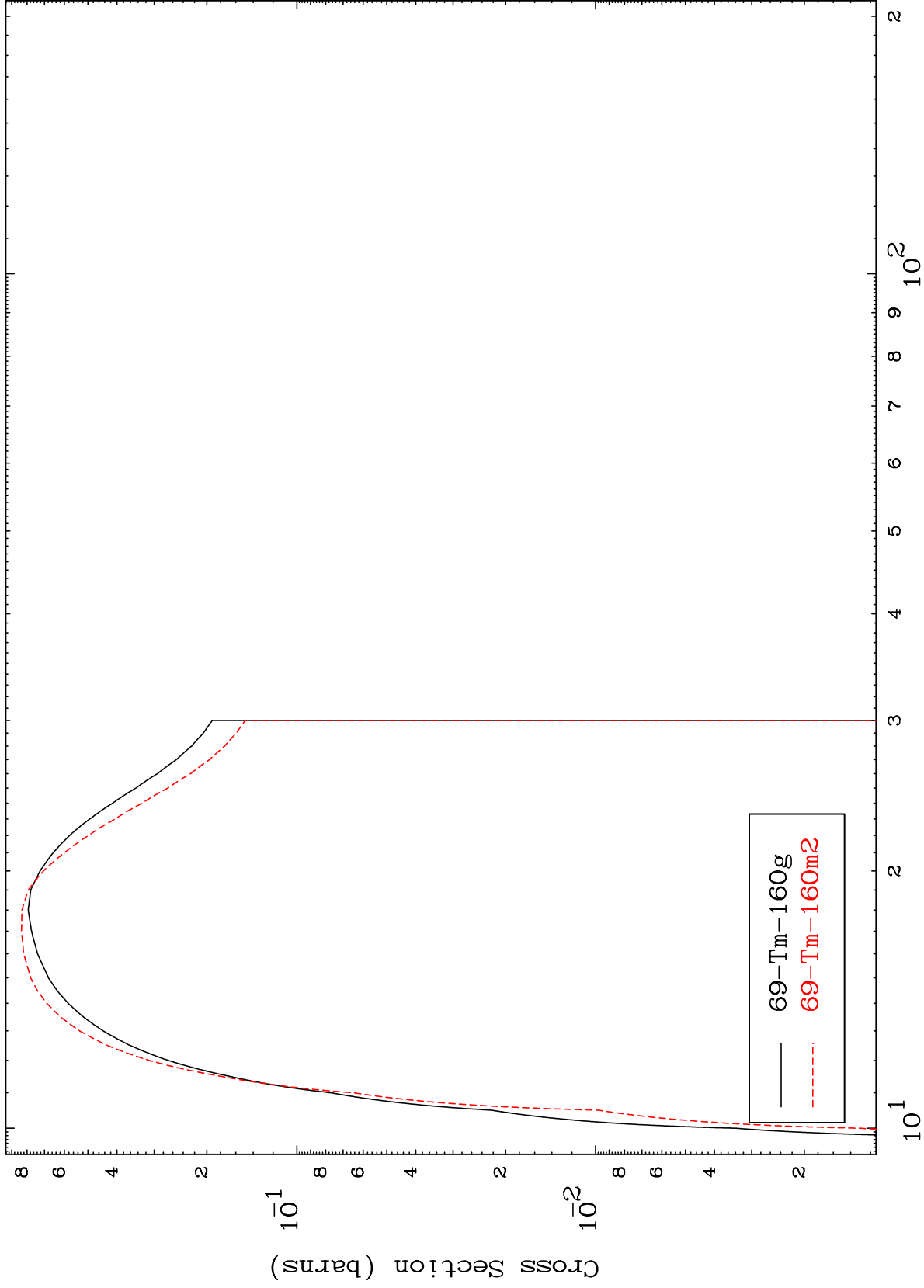




MAT 6901

69-Tm-161

Radionuclide Production Cross Section  
(n,2n)



69-Tm-161

Incident Energy (MeV)

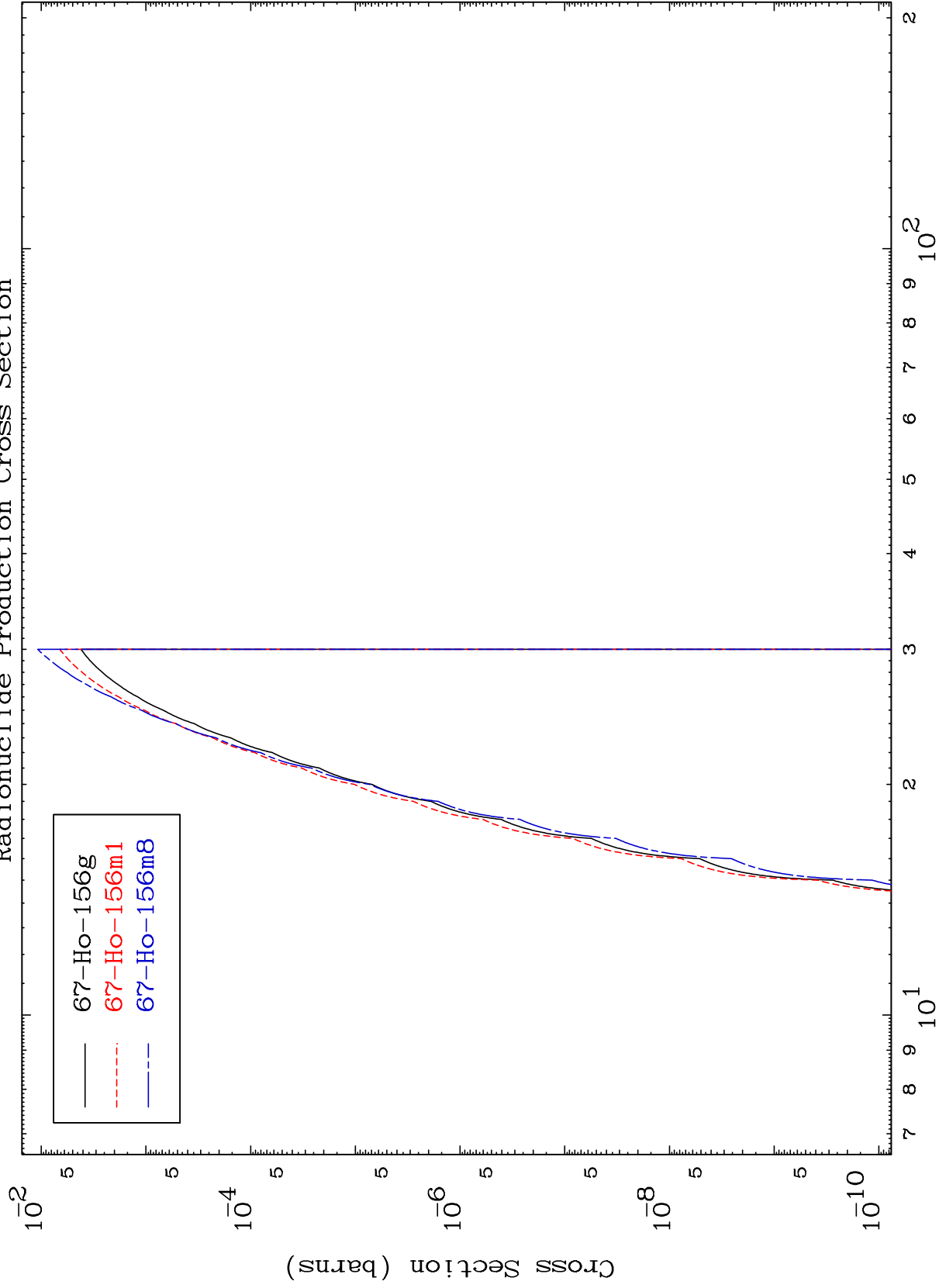
128

MAT 6901

$(n,2n) \alpha$

69-Tm-161

Radionuclide Production Cross Section



129

Incident Energy (MeV)

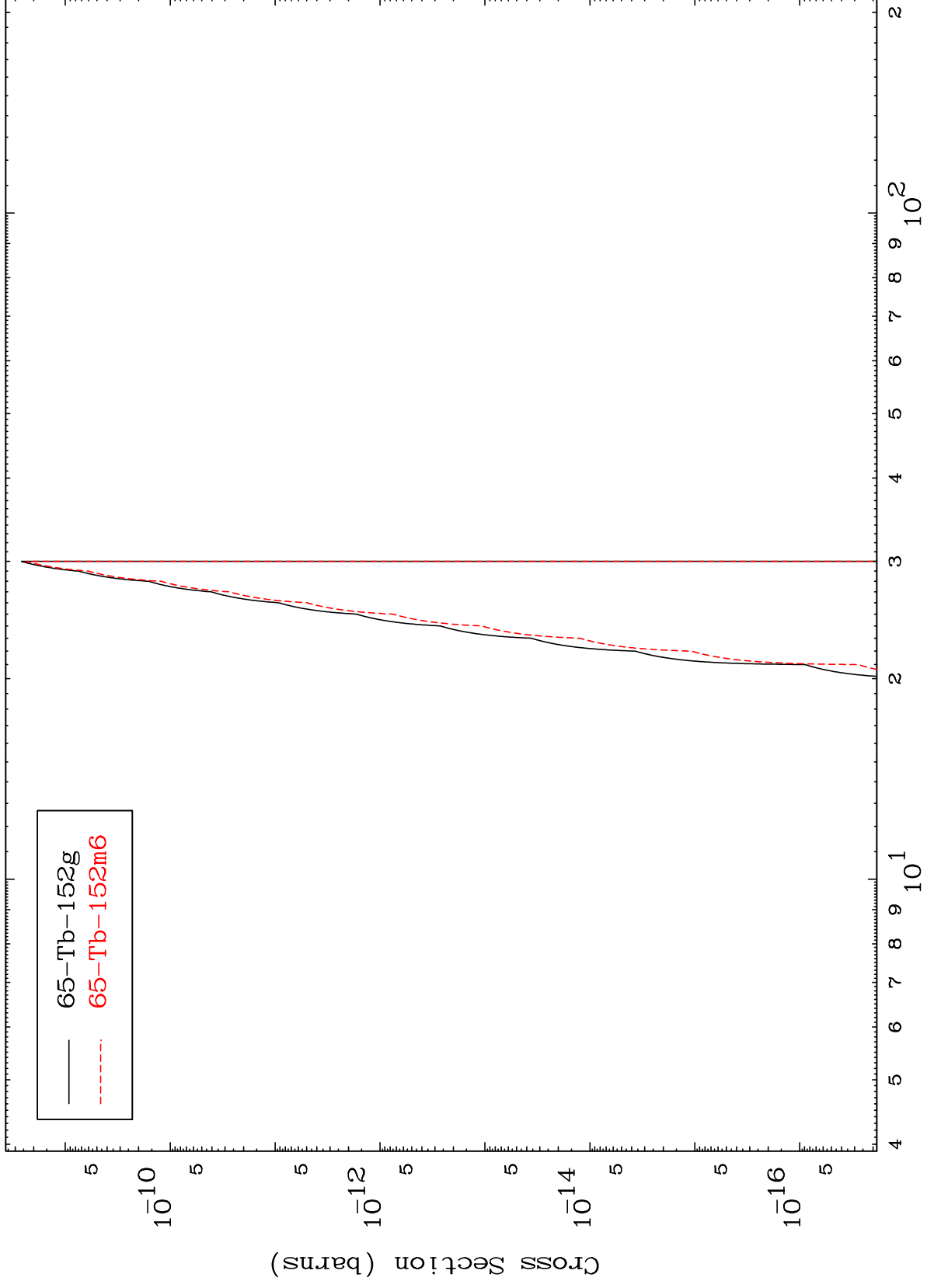
69-Tm-161

MAT 6901

$(n,2n) 2\alpha$

69-Tm-161

Radionuclide Production Cross Section



130

Incident Energy (MeV)

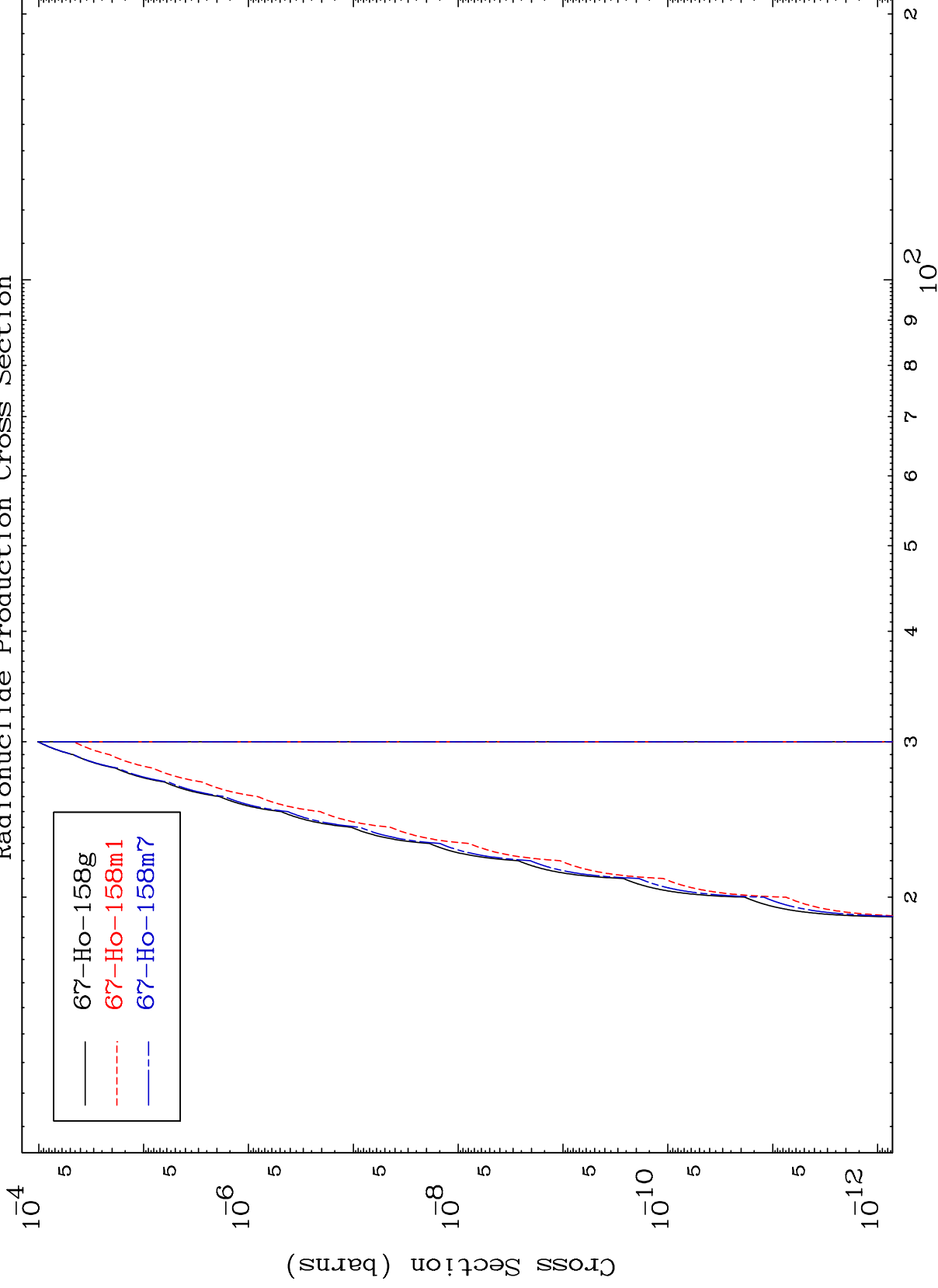
69-Tm-161

MAT 6901

(n,n') He-3

69-Tm-161

Radionuclide Production Cross Section



131

Incident Energy (MeV)

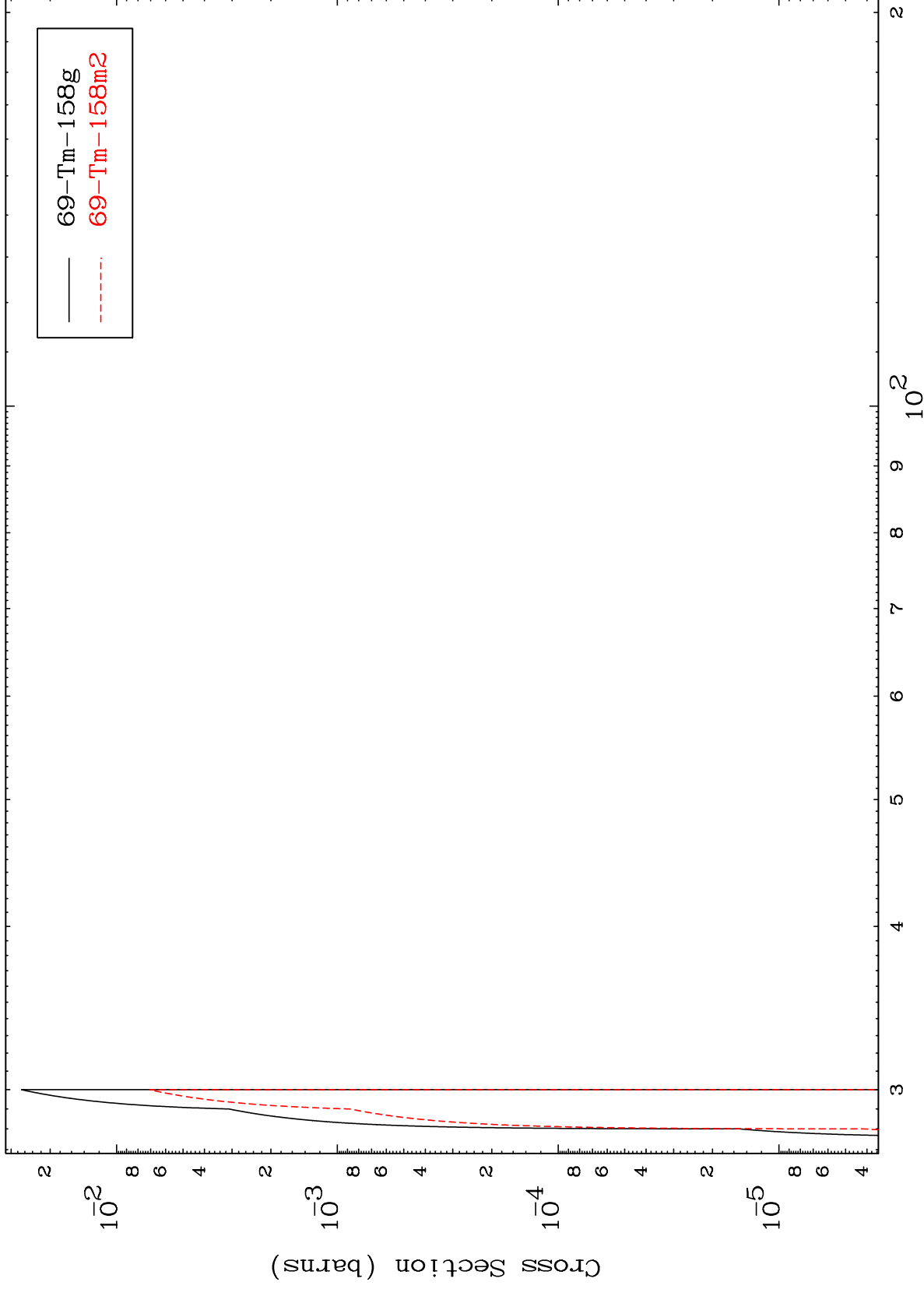
69-Tm-161

MAT 6901

(n,4n)

69-Tm-161

Radionuclide Production Cross Section



132

Incident Energy (MeV)

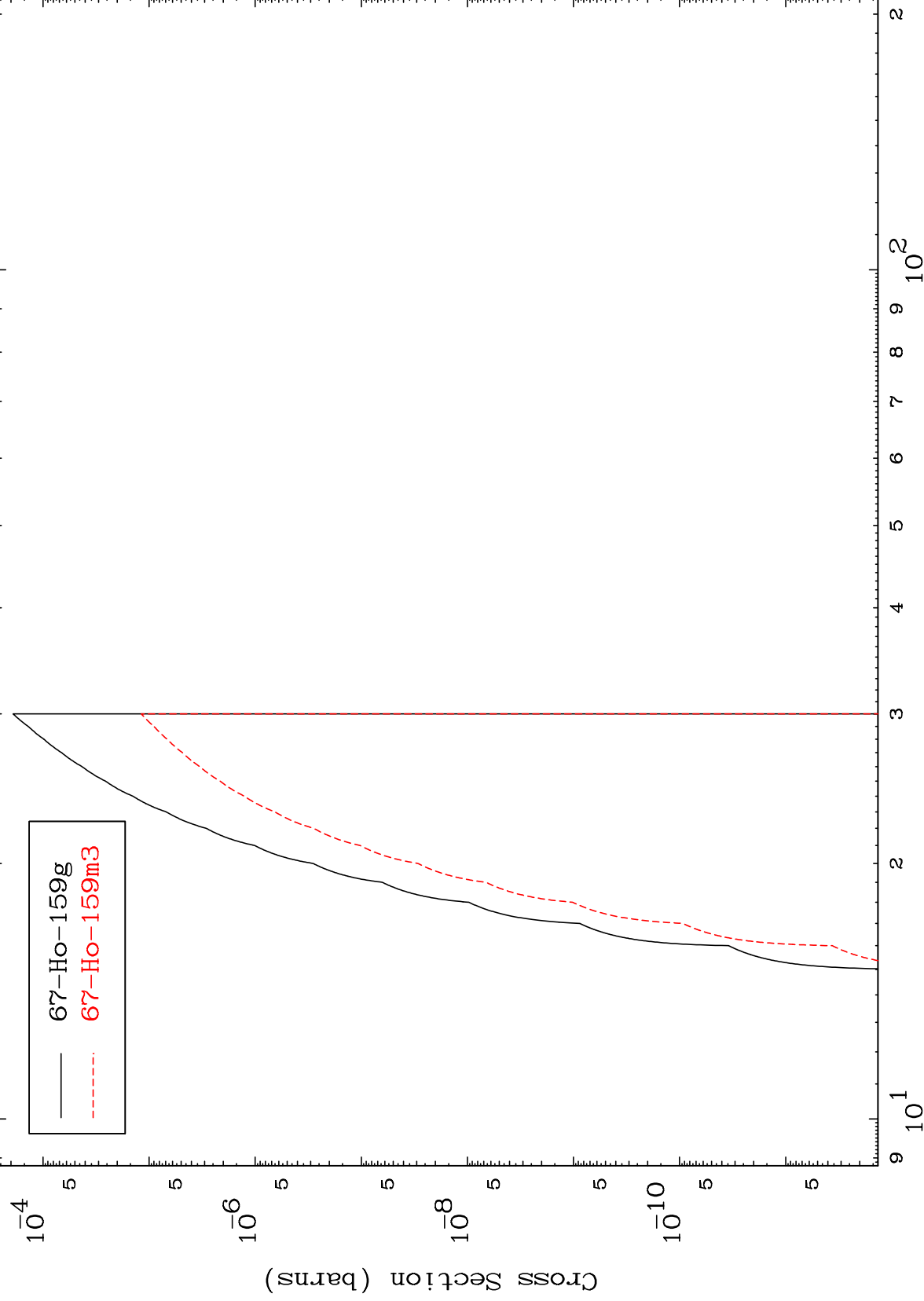
69-Tm-161

MAT 6901

(n,2n) p

69-Tm-161

Radionuclide Production Cross Section



133

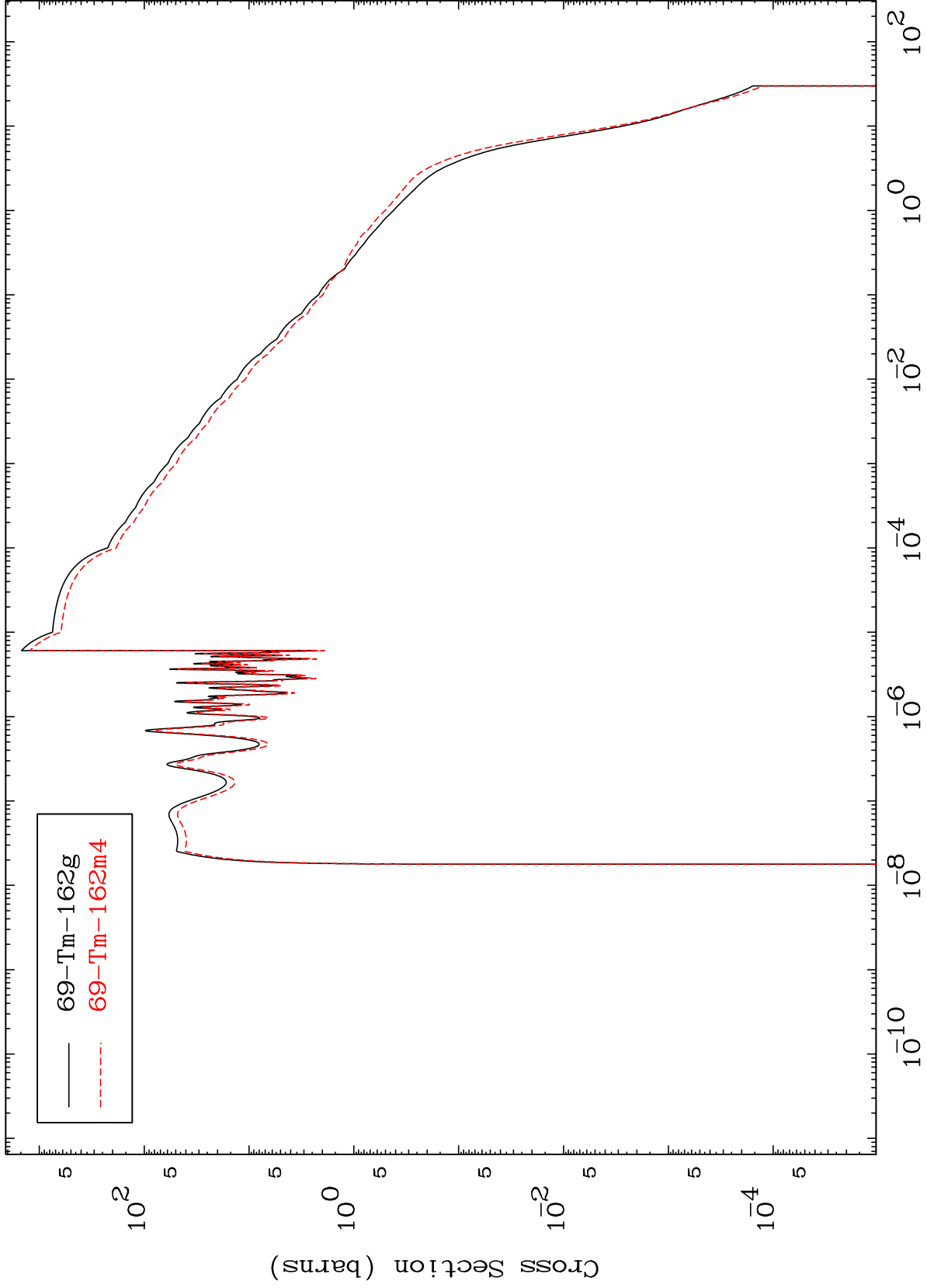
Incident Energy (MeV)

69-Tm-161

MAT 6901

69-Tm-161

(n,γ)  
Radionuclide Production Cross Section



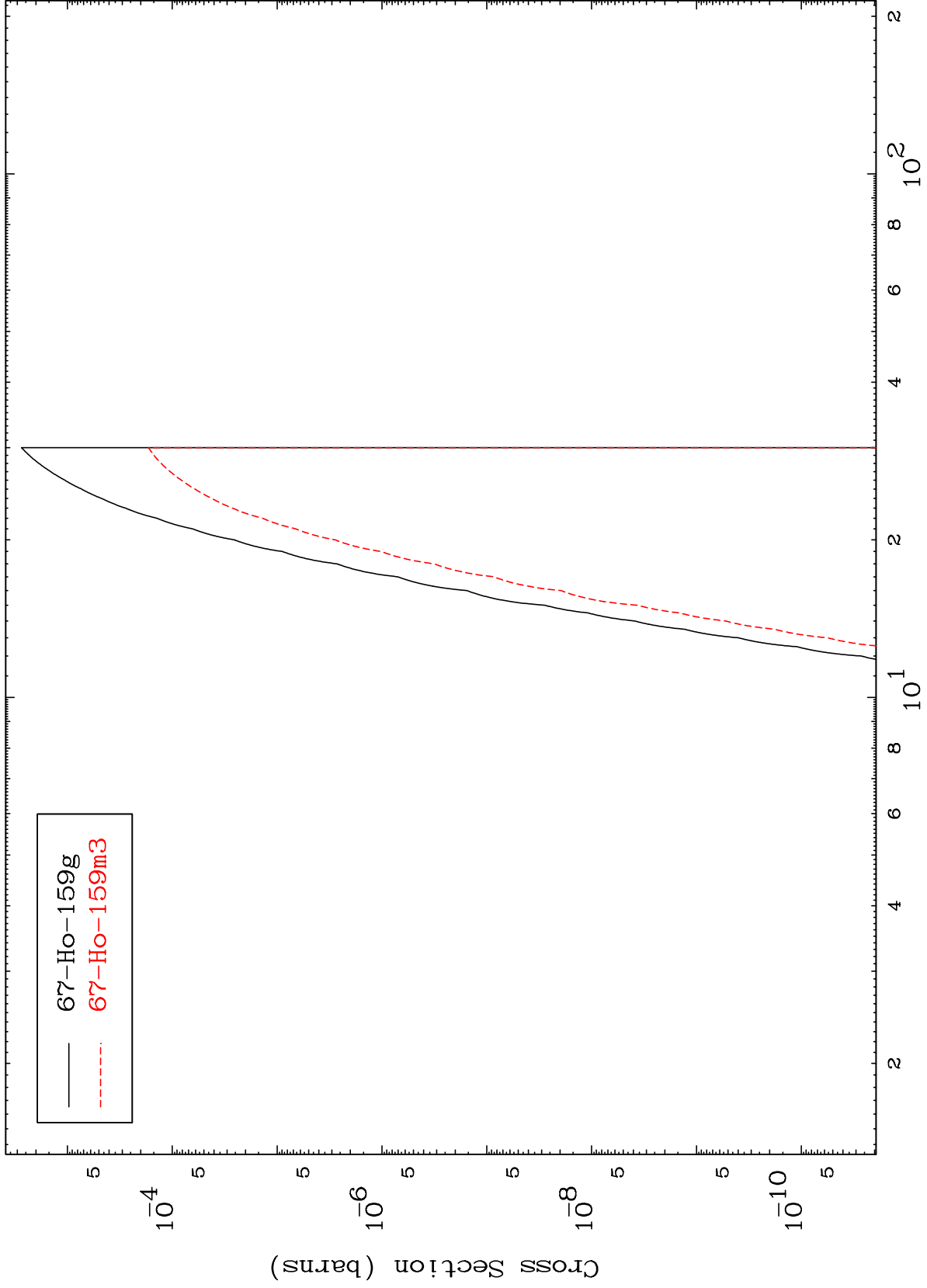
134

69-Tm-161

MAT 6901

69-Tm-161

(n,He-3)  
Radionuclide Production Cross Section



135

69-Tm-161

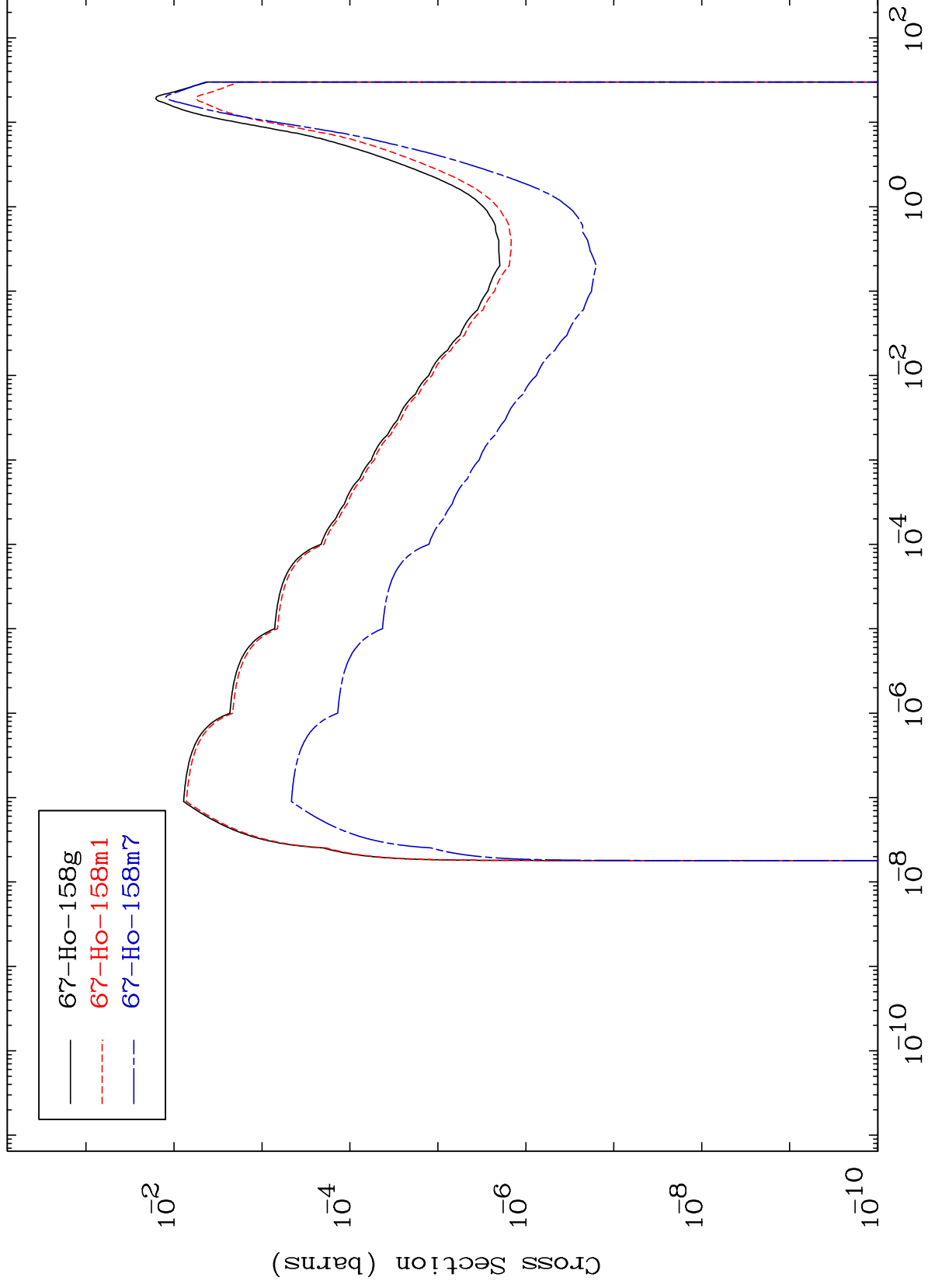
Incident Energy (MeV)



MAT 6901

69-Tm-161

Radionuclide Production Cross Section  
(n,  $\alpha$ )



136

69-Tm-161

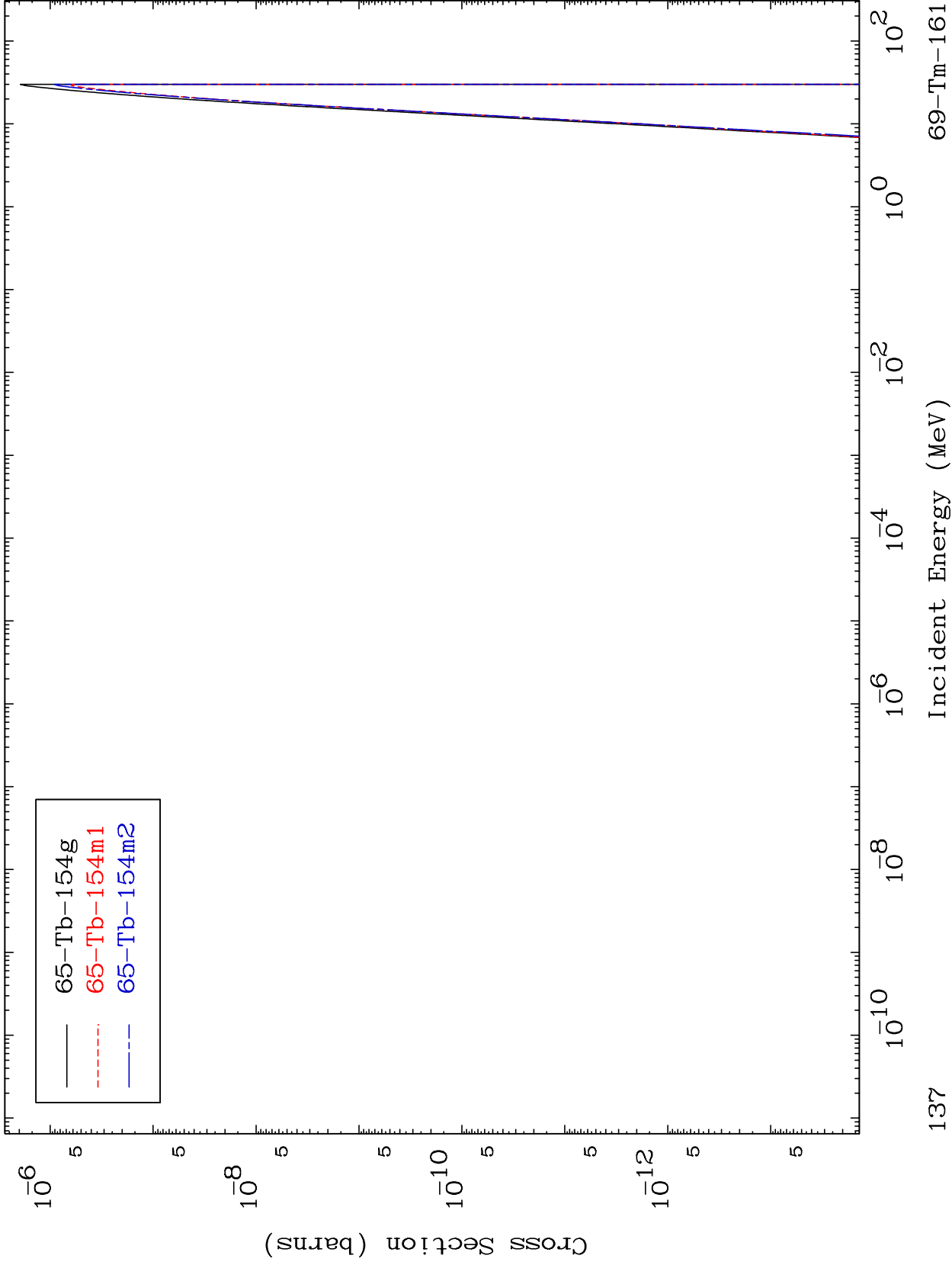
Incident Energy (MeV)

MAT 6901

(n,2α)

69-Tm-161

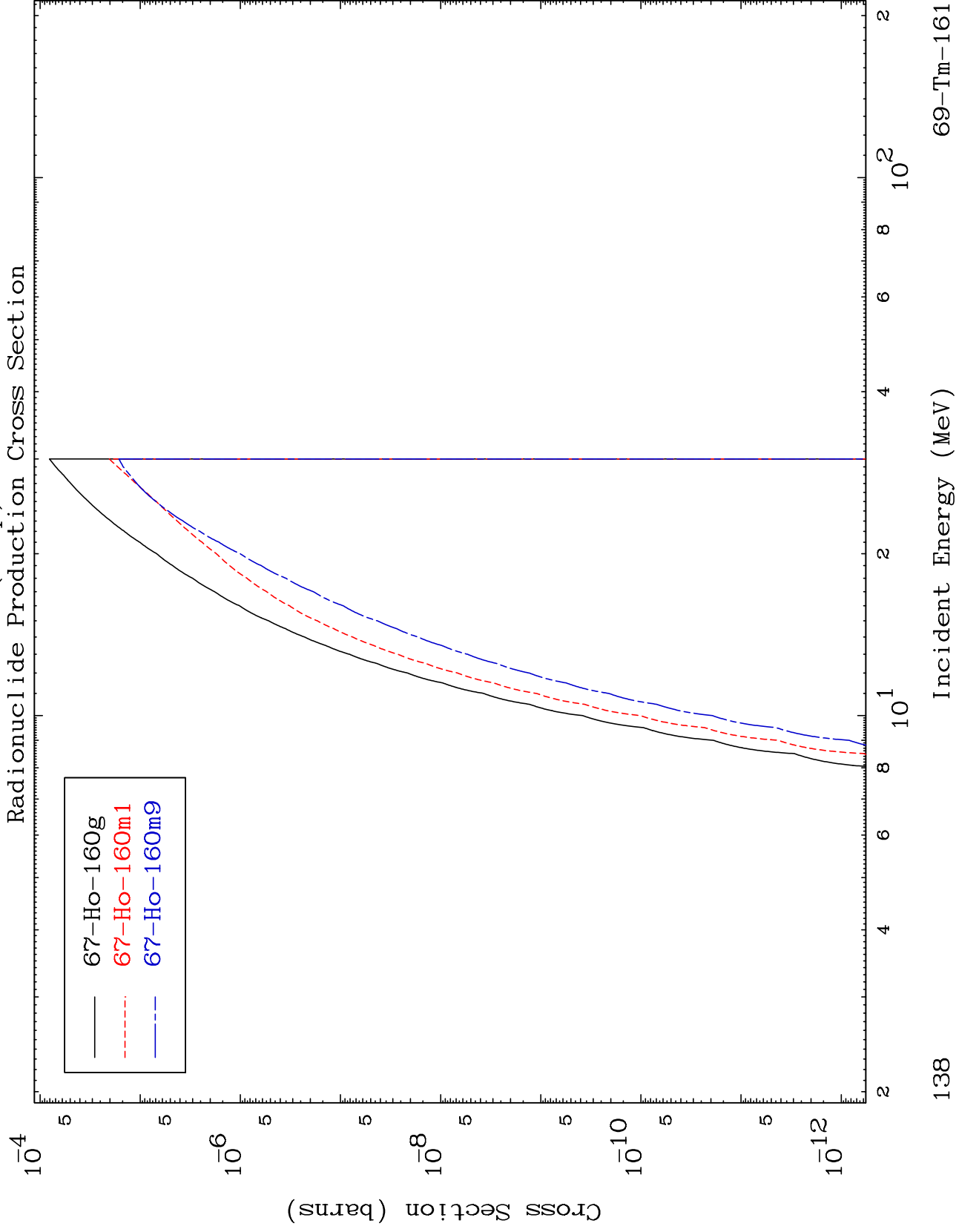
Radionuclide Production Cross Section



MAT 6901

69-Tm-161

(n,2p)  
Radionuclide Production Cross Section



138

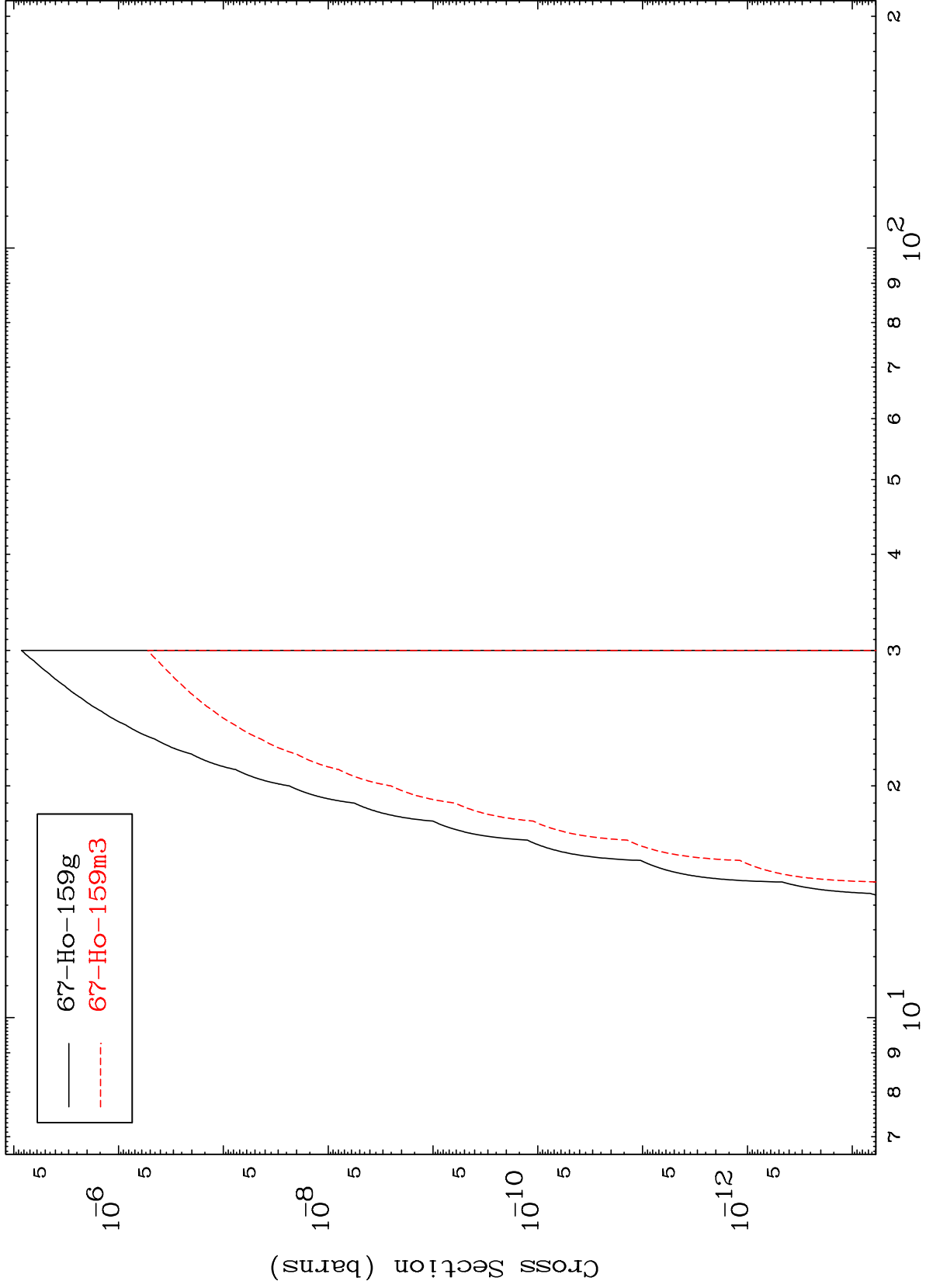
69-Tm-161

MAT 6901

(n,p) d

69-Tm-161

Radionuclide Production Cross Section



139

Incident Energy (MeV)

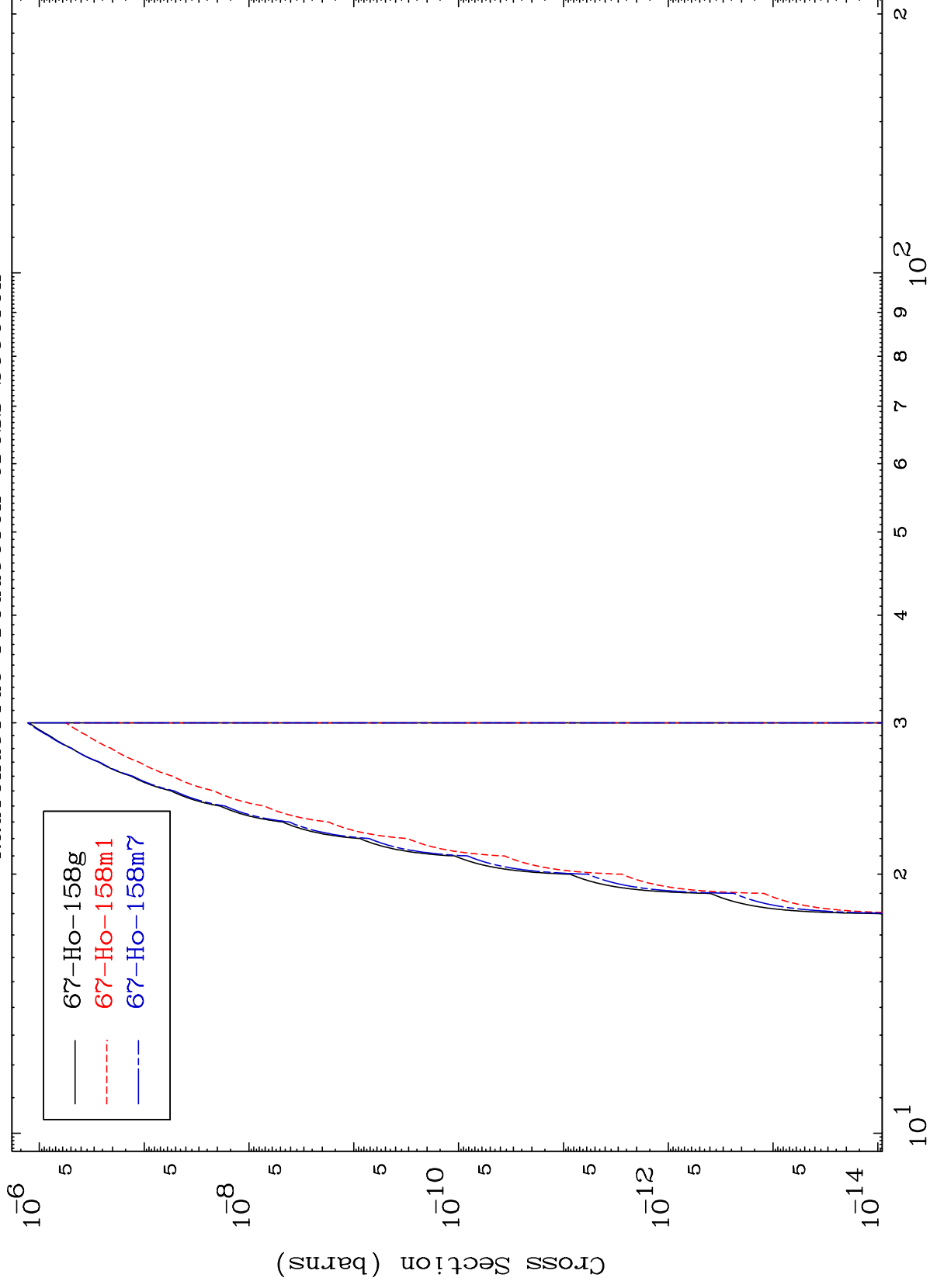
69-Tm-161

MAT 6901

(n,p) t

69-Tm-161

Radionuclide Production Cross Section



Incident Energy (MeV)

69-Tm-161