

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

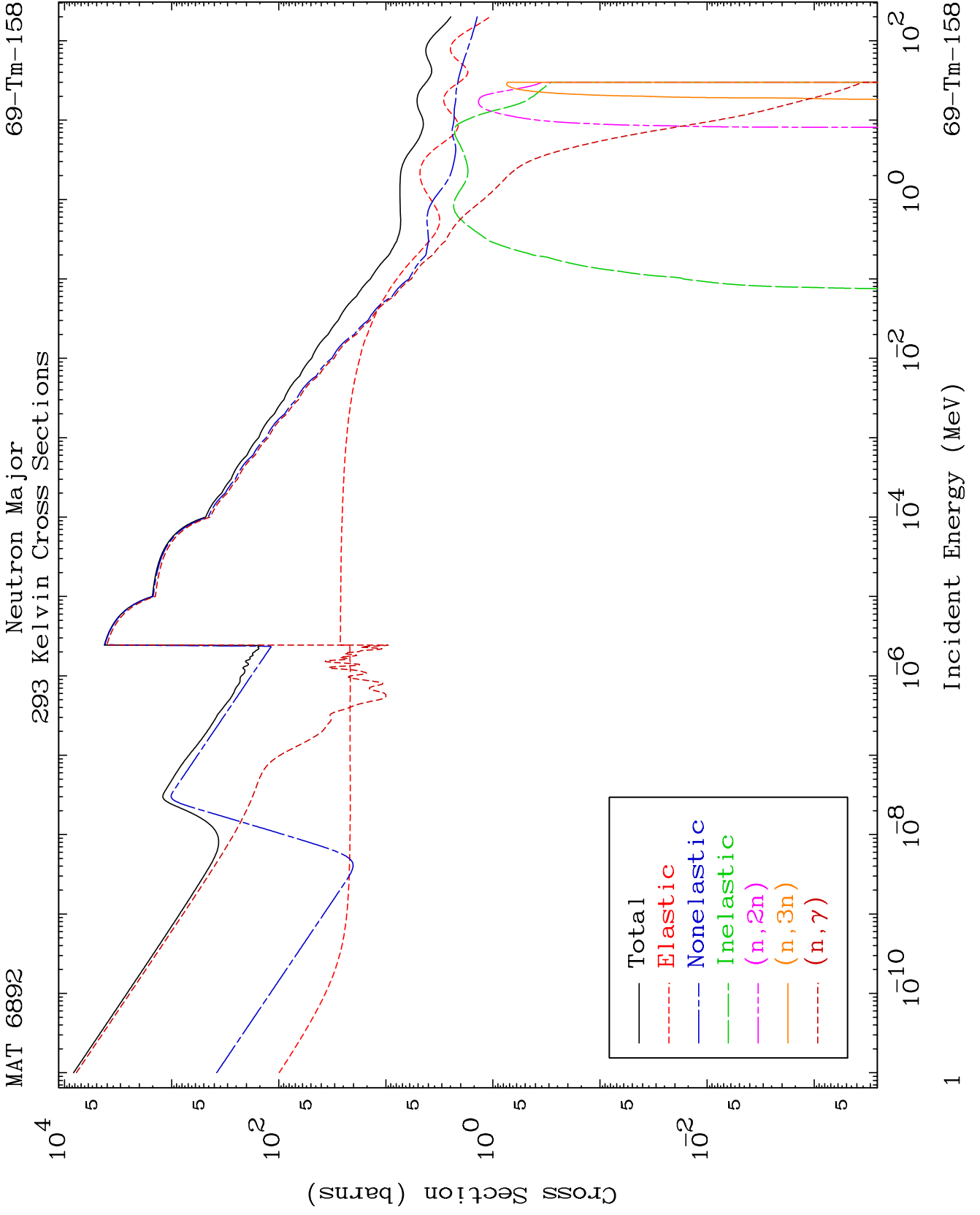
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Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

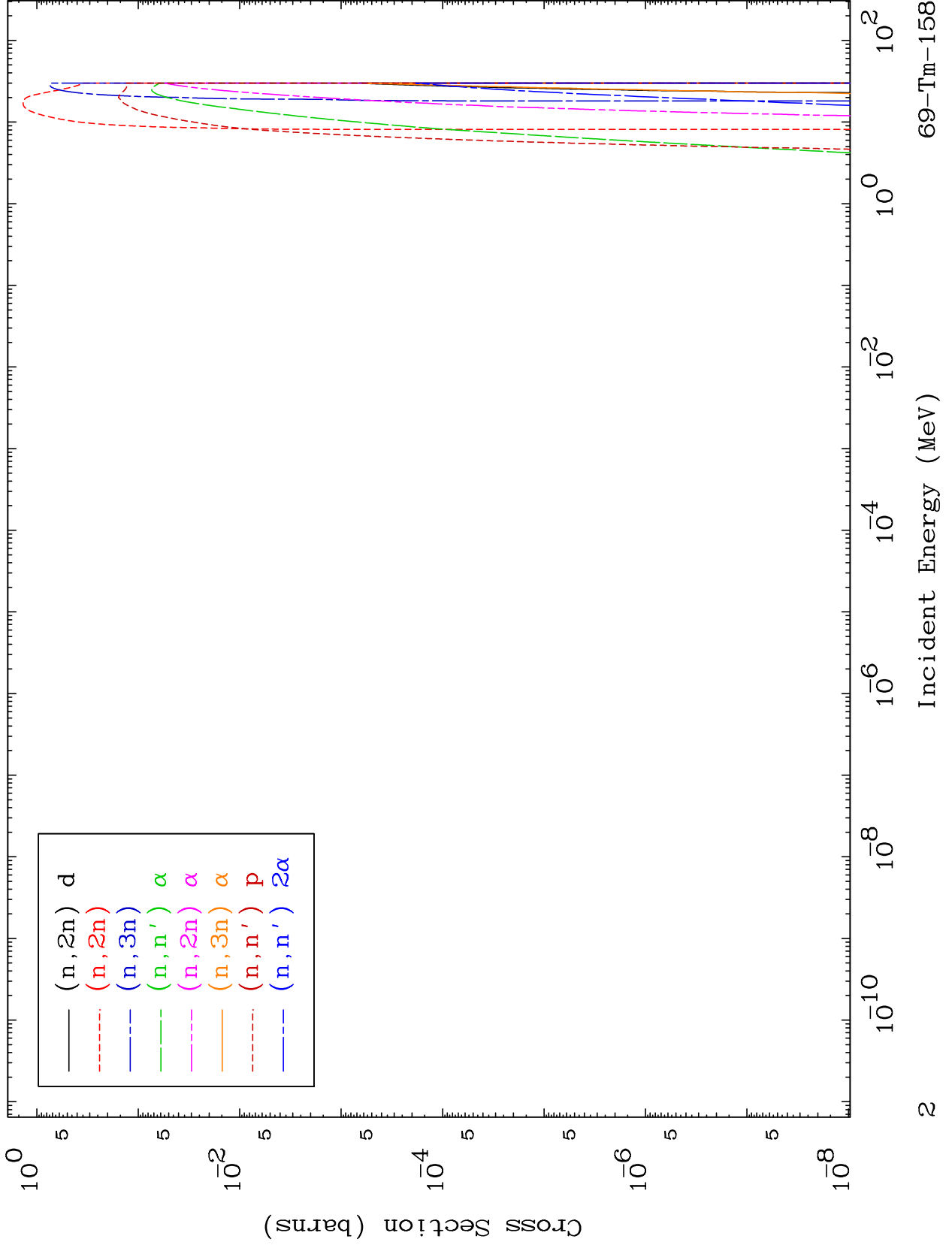
Press Mouse Button to Start



MAT 6892

Neutron Absorption
293 Kelvin Cross Sections

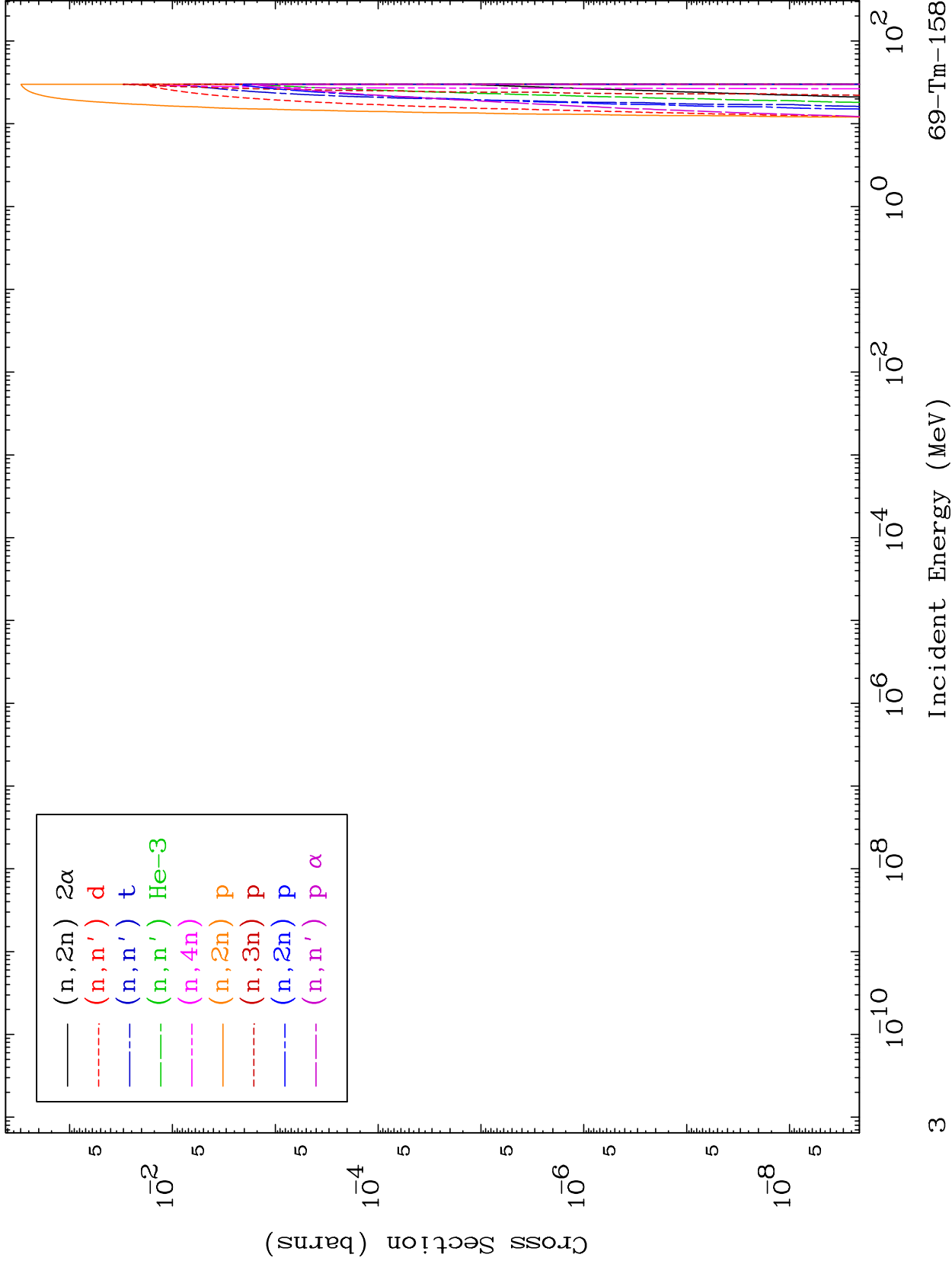
69-Tm-158



MAT 6892

Neutron Absorption
293 Kelvin Cross Sections

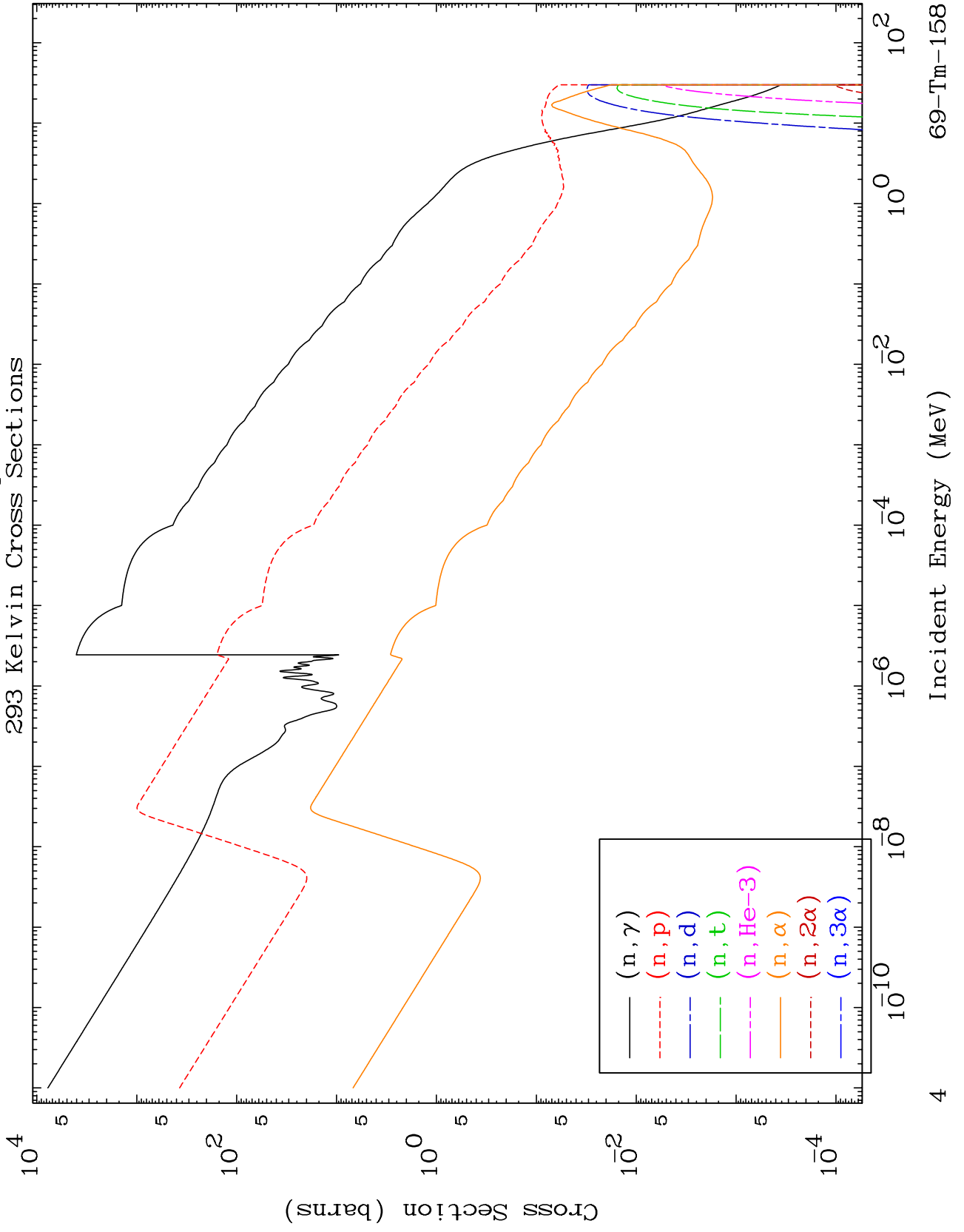
69-Tm-158



MAT 6892

Neutron Absorption
293 Kelvin Cross Sections

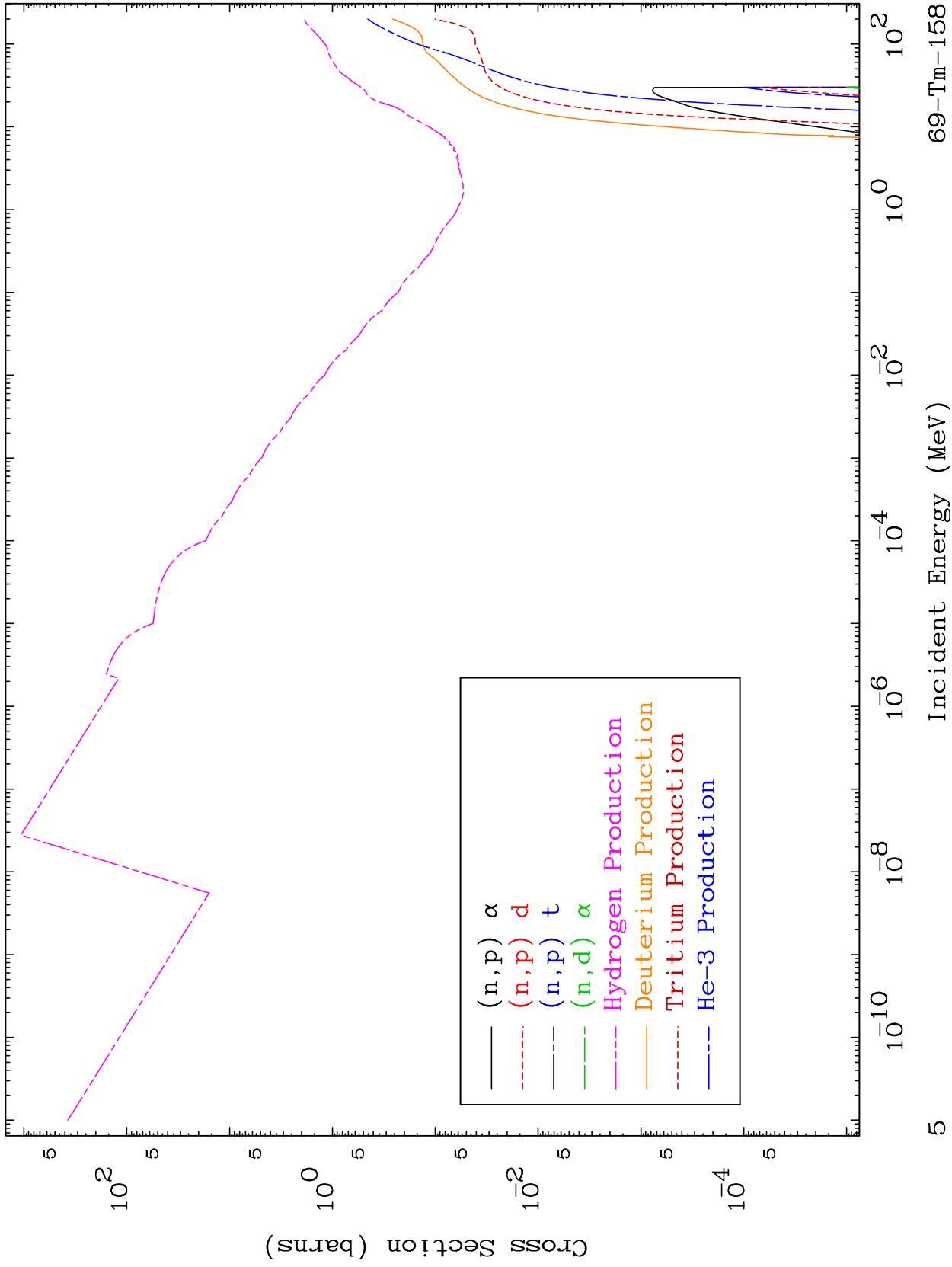
69-Tm-158



MAT 6892

Neutron Absorption
293 Kelvin Cross Sections

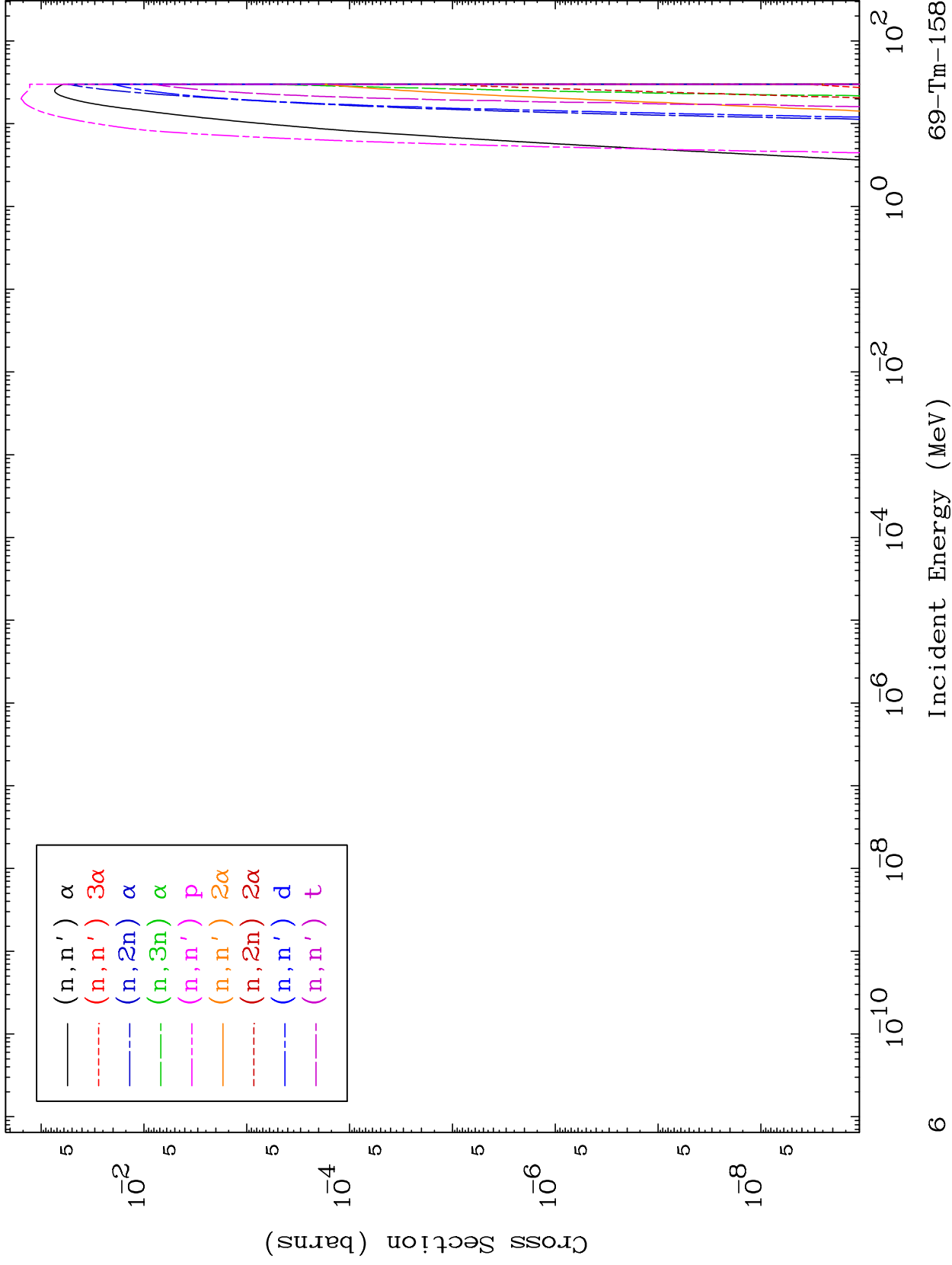
69-Tm-158



MAT 6892

Charged Particle
293 Kelvin Cross Sections

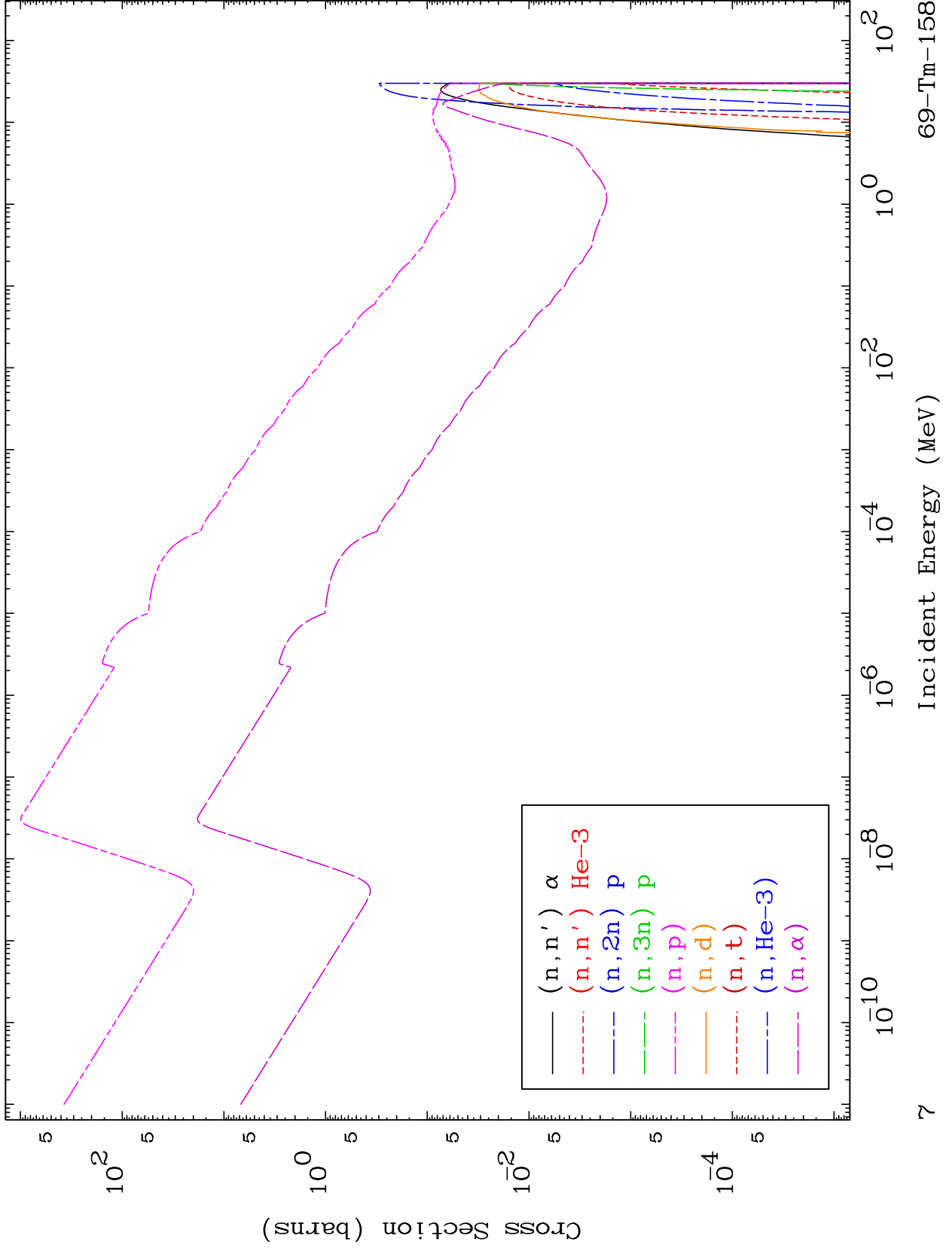
69-Tm-158



MAT 6892

Charged Particle
293 Kelvin Cross Sections

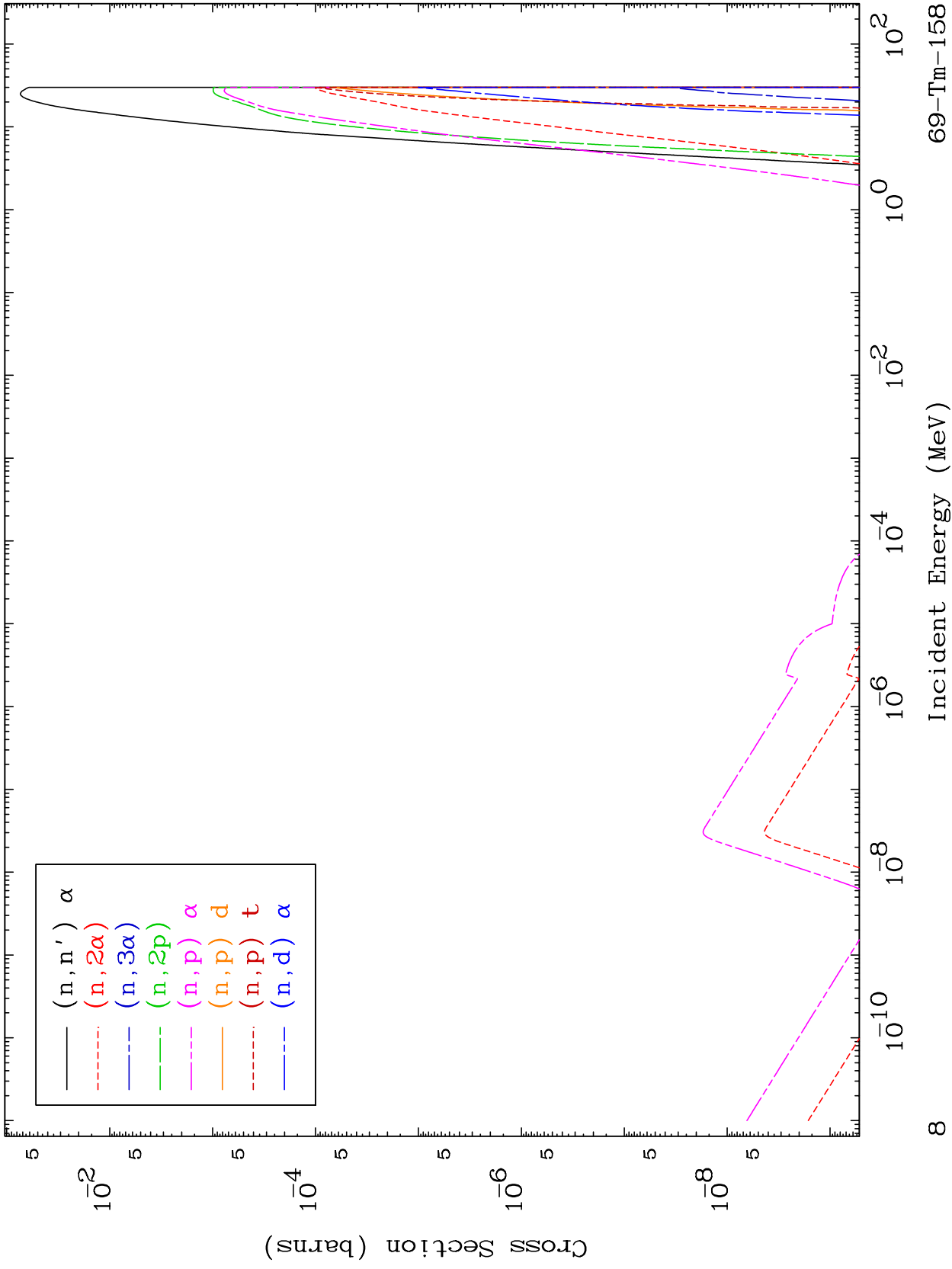
69-Tm-158

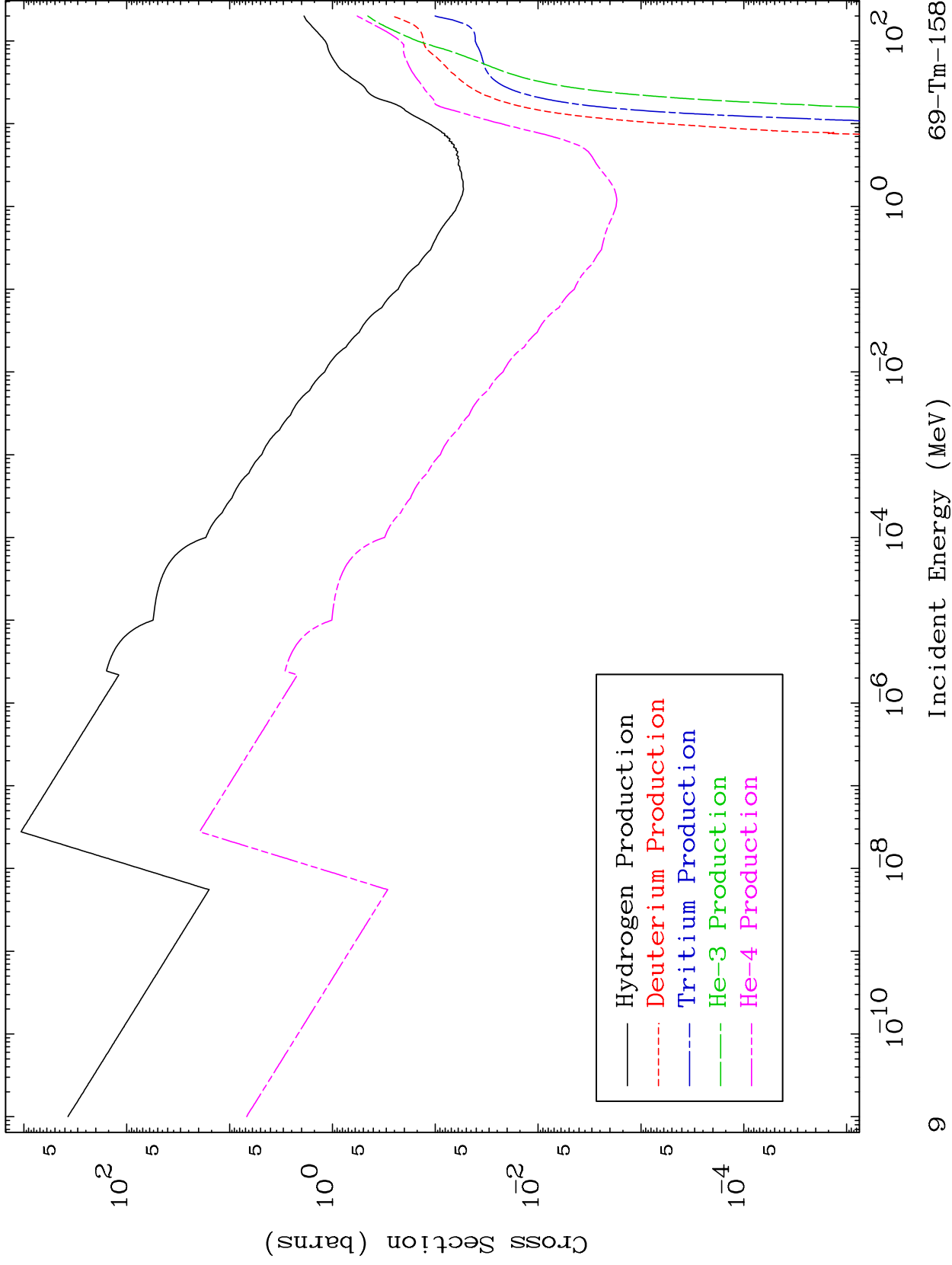


MAT 6892

Charged Particle
293 Kelvin Cross Sections

69-Tm-158



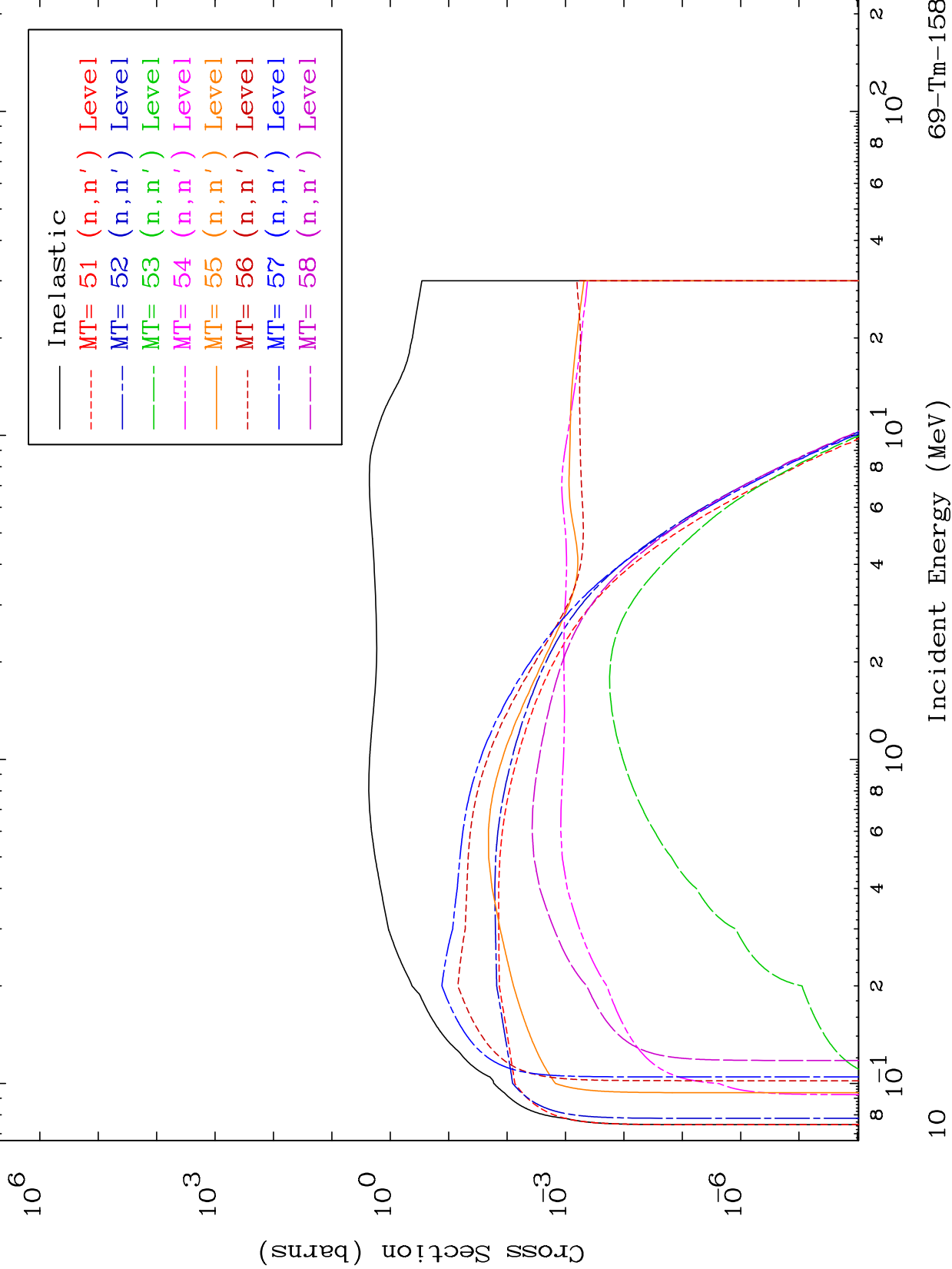


MAT 6892

(n,n') Levels

293 Kelvin Cross Sections

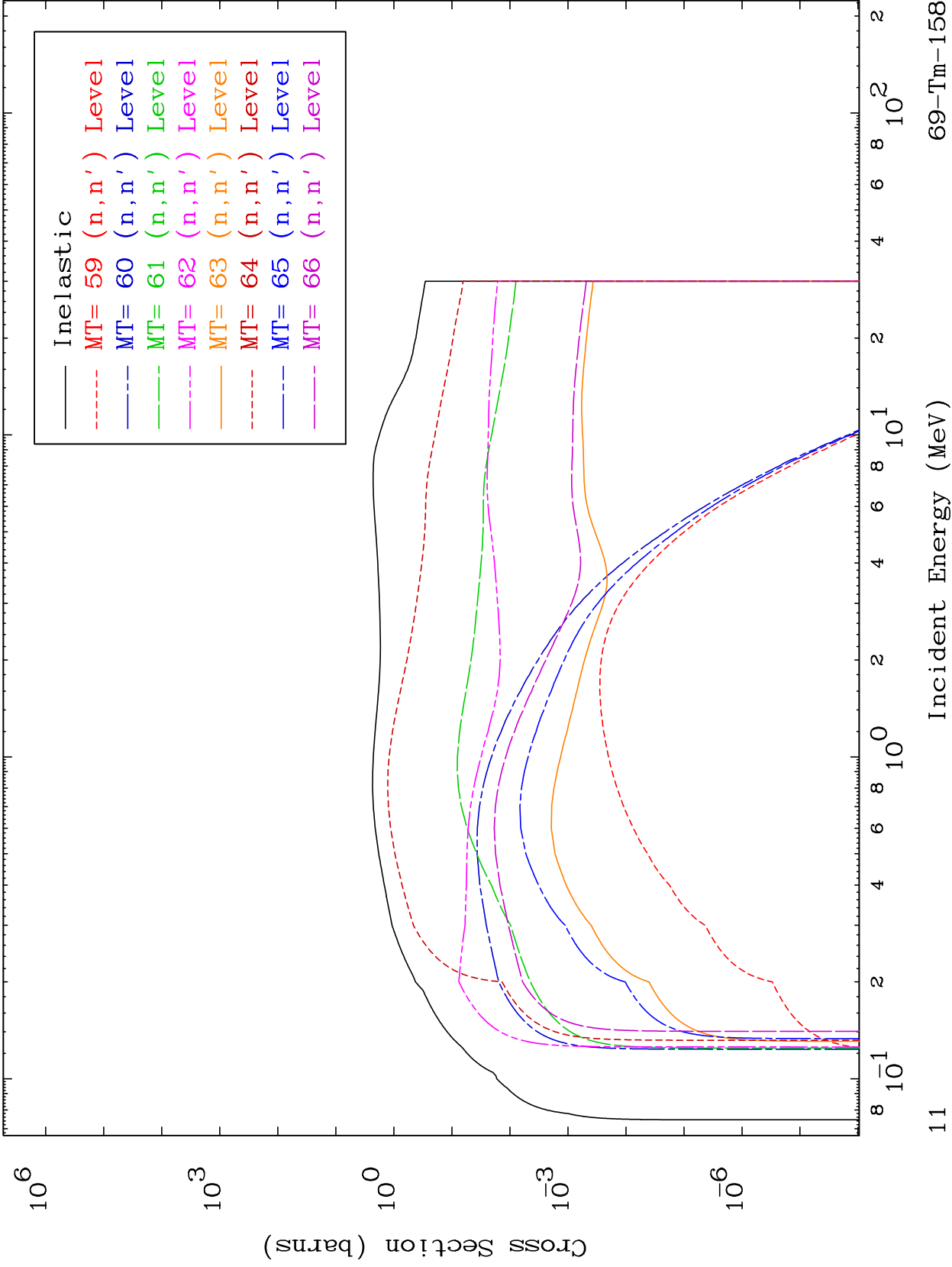
69-Tm-158



69-Tm-158

Incident Energy (MeV)

293 Kelvin Cross Sections

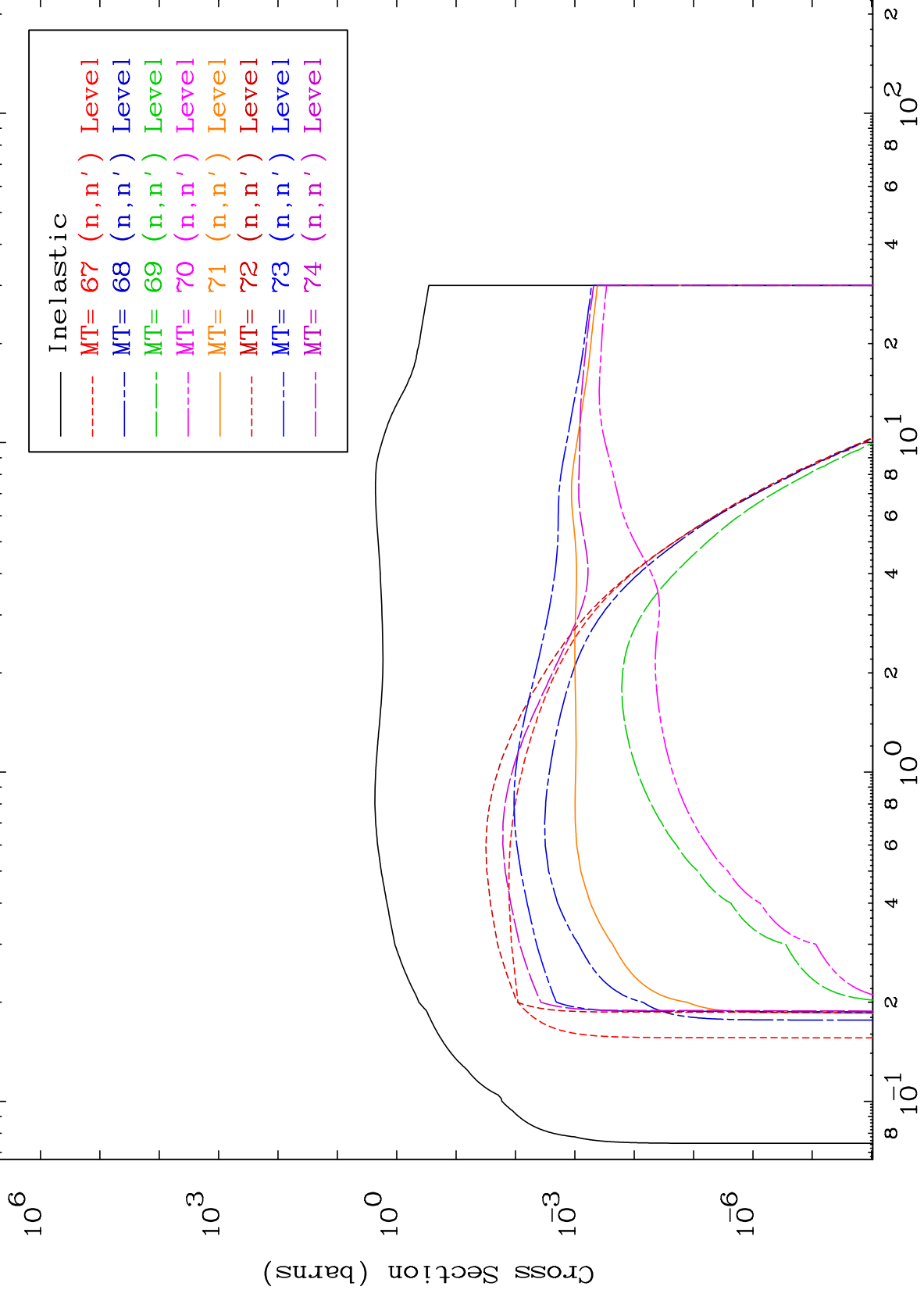


MAT 6892

(n,n') Levels

69-Tm-158

293 Kelvin Cross Sections



12

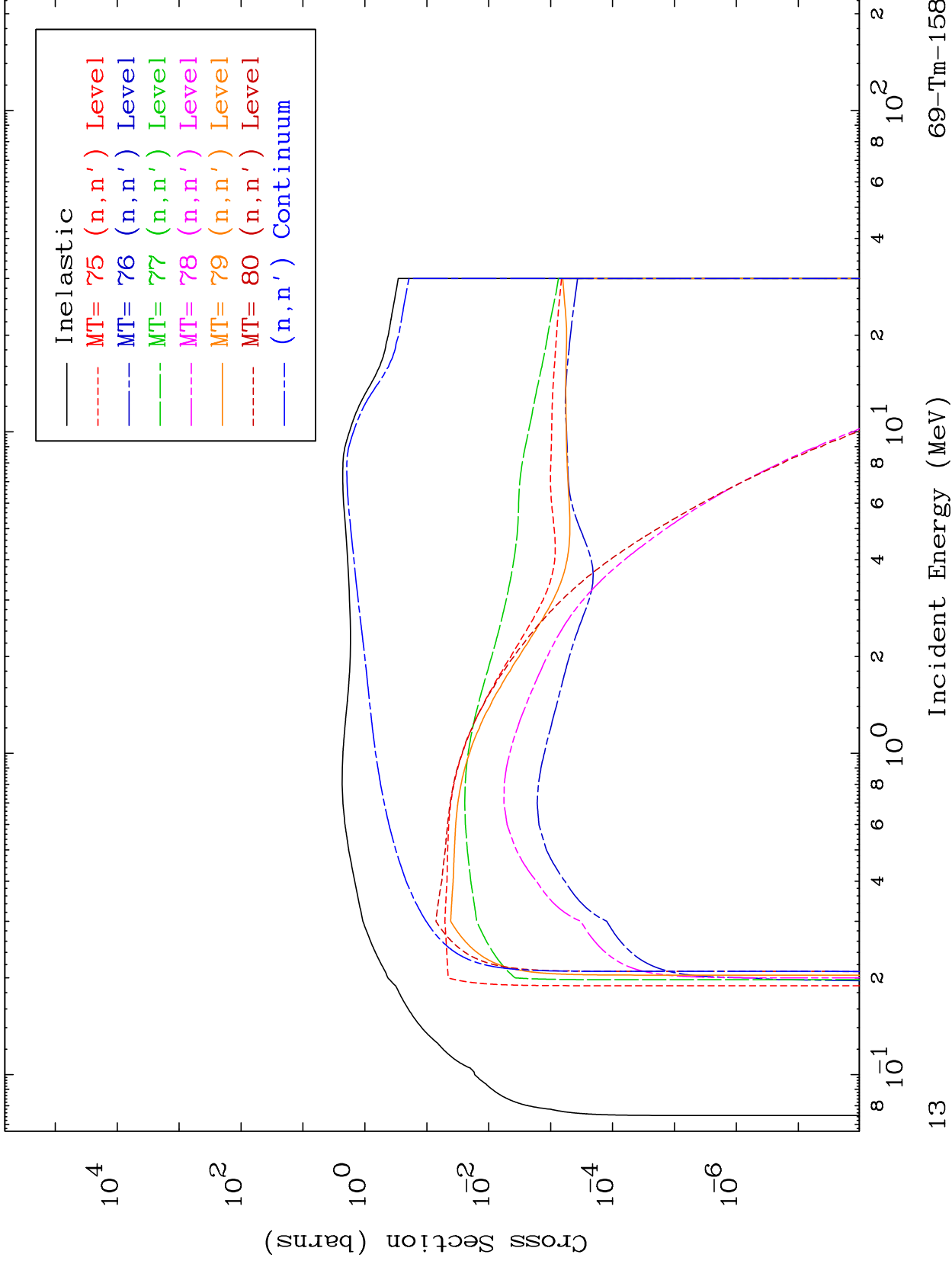
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,n') Levels
293 Kelvin Cross Sections

69-Tm-158



13

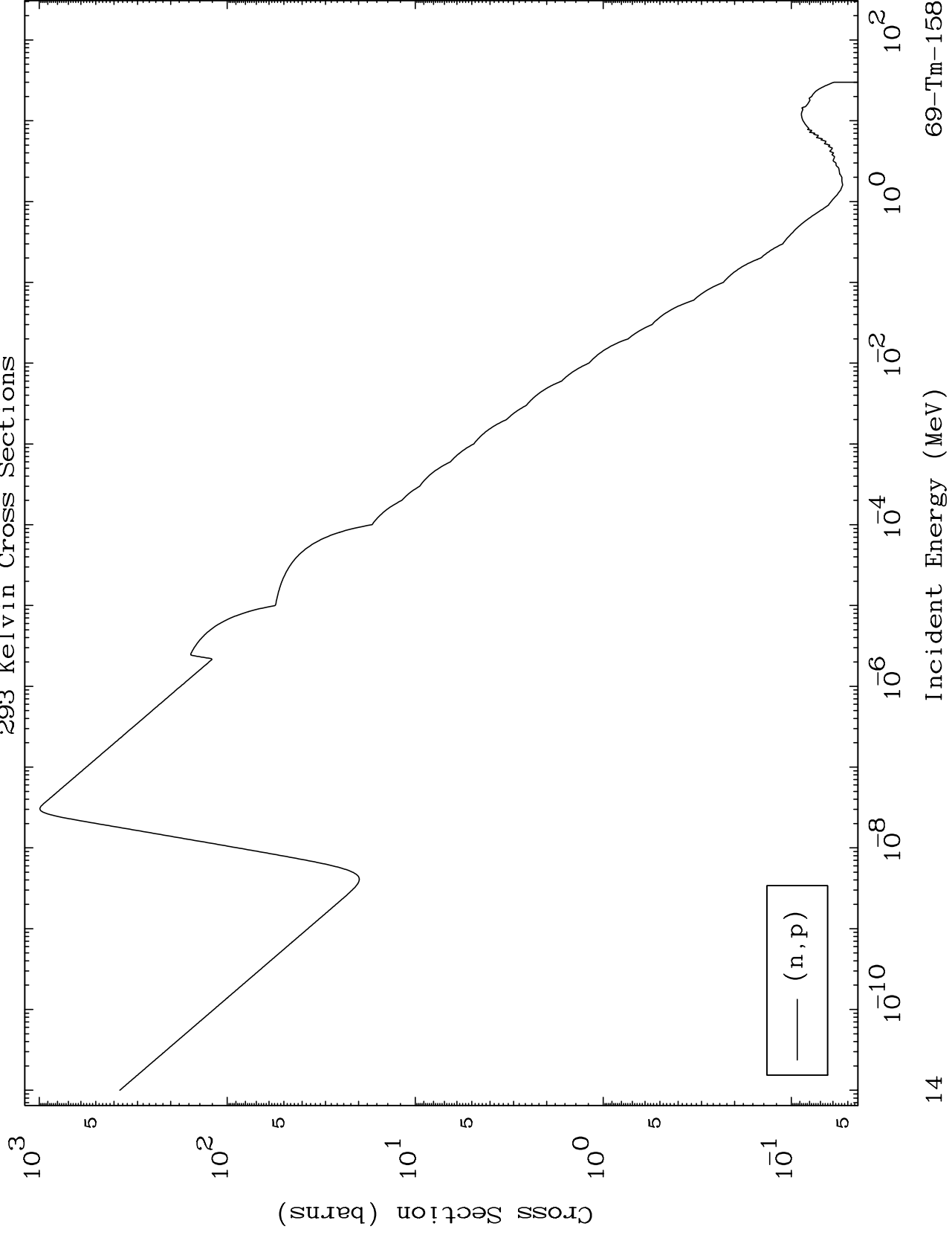
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,p) Levels
293 Kelvin Cross Sections

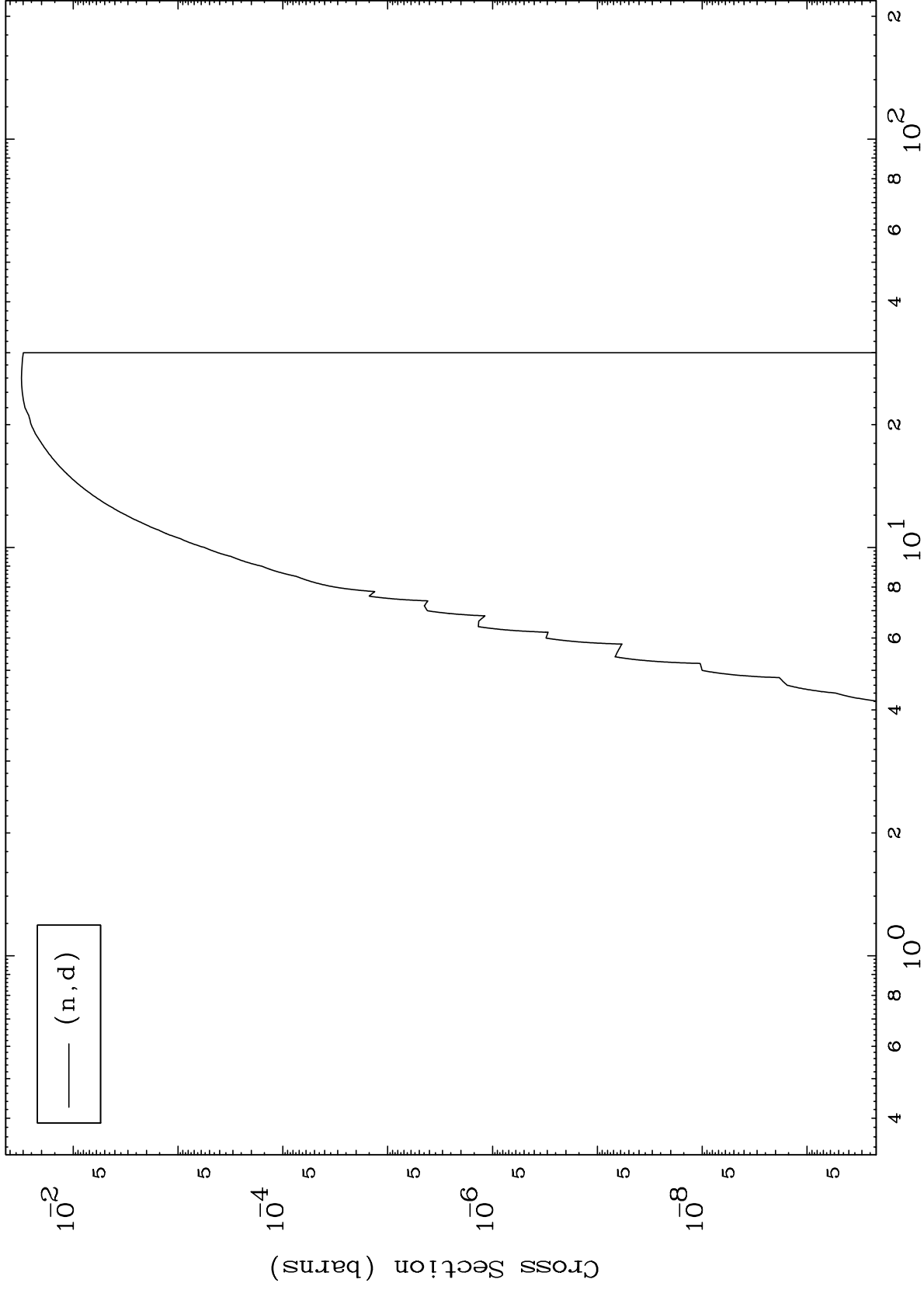
69-Tm-158



MAT 6892

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-158



15

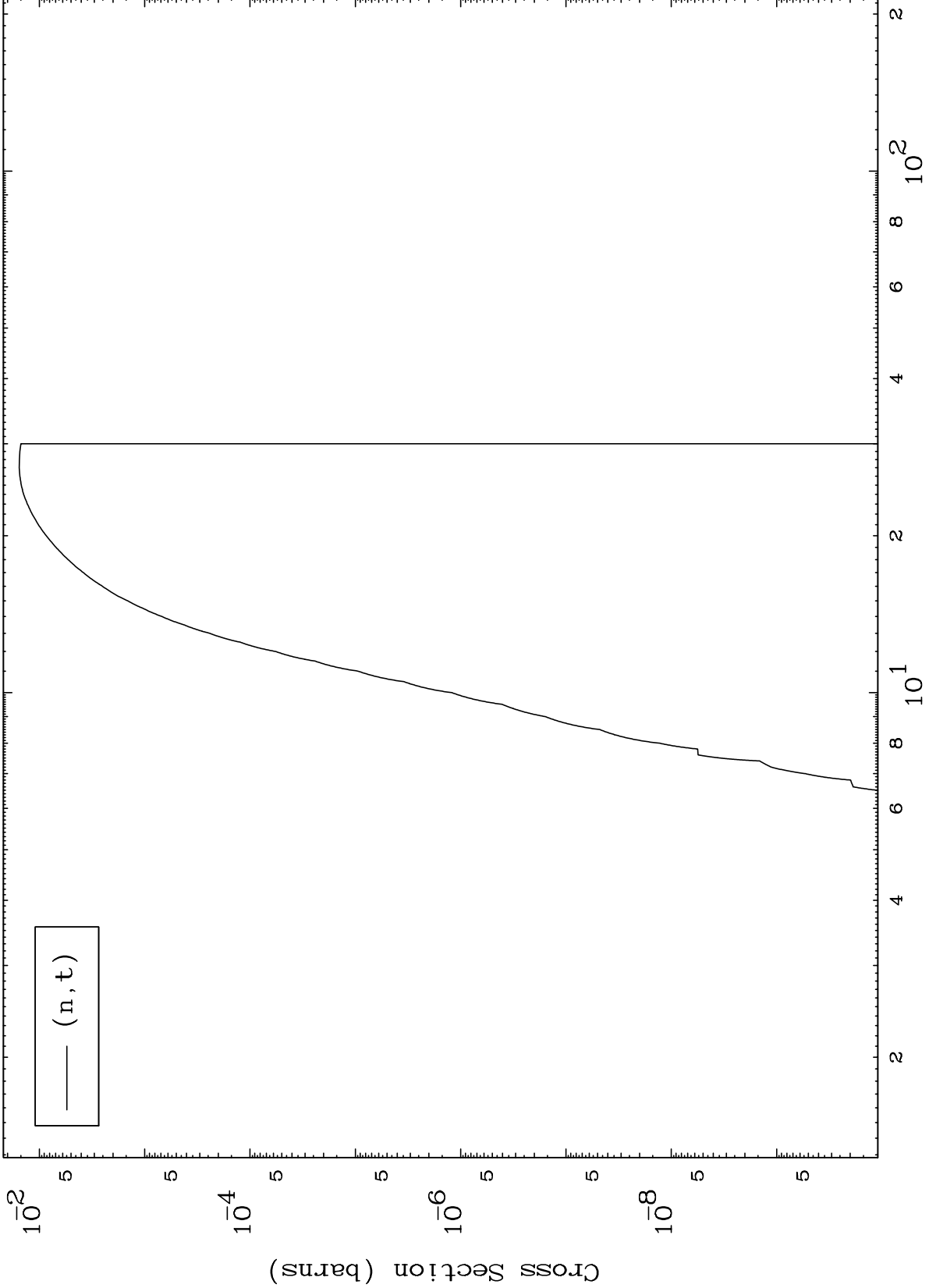
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,t) Levels
293 Kelvin Cross Sections

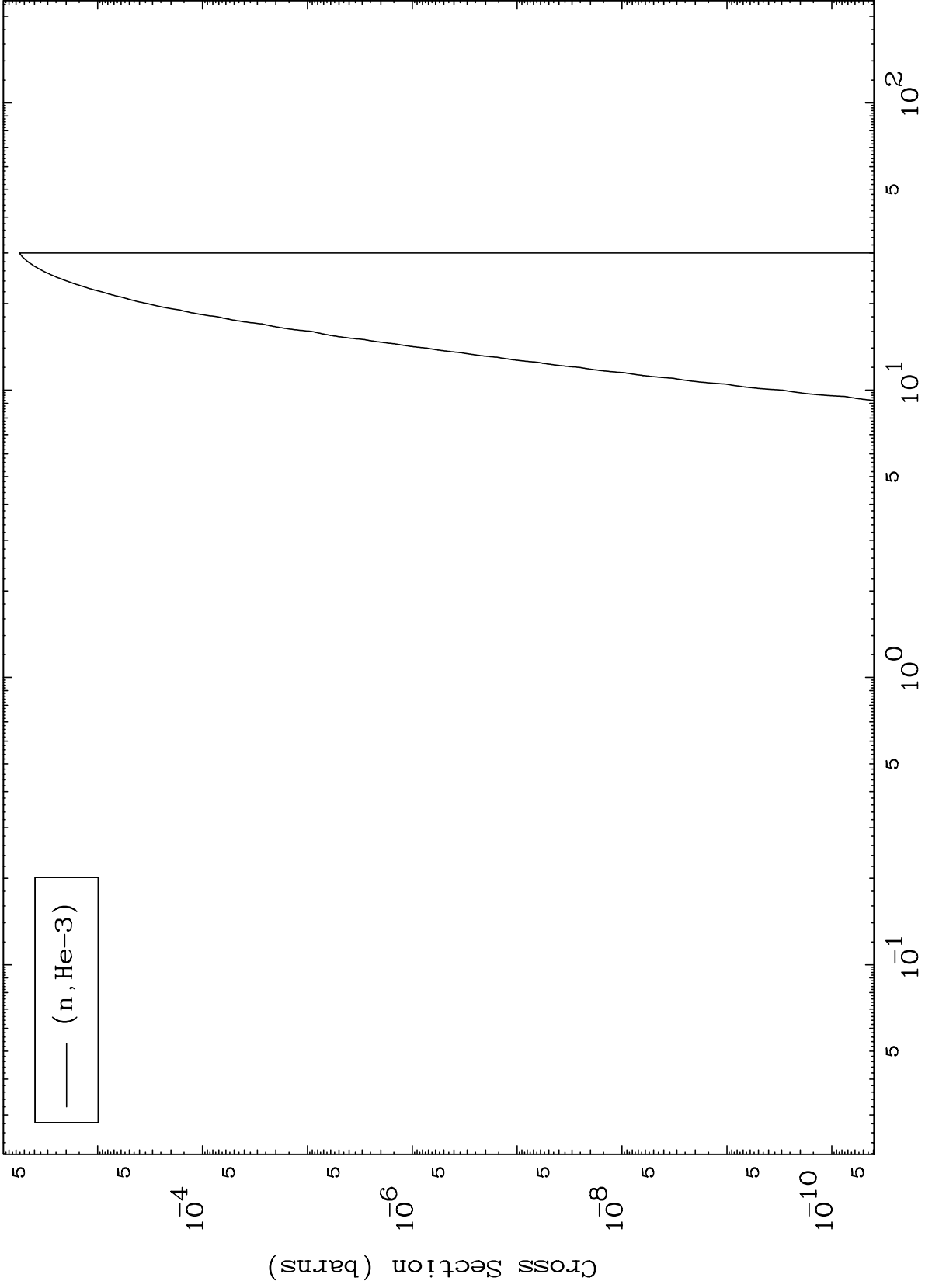
69-Tm-158



MAT 6892

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-158



17

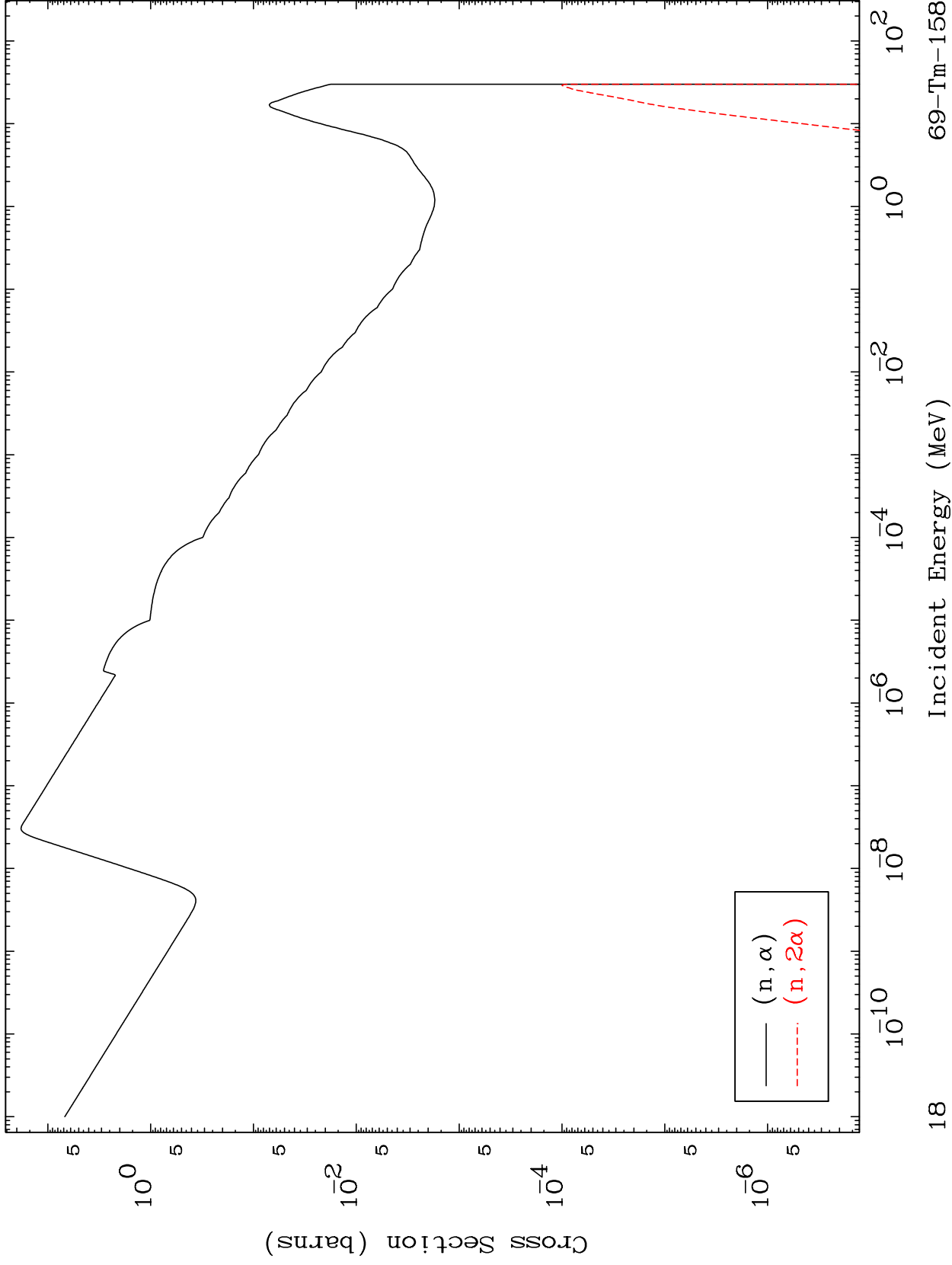
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n, α) Levels
293 Kelvin Cross Sections

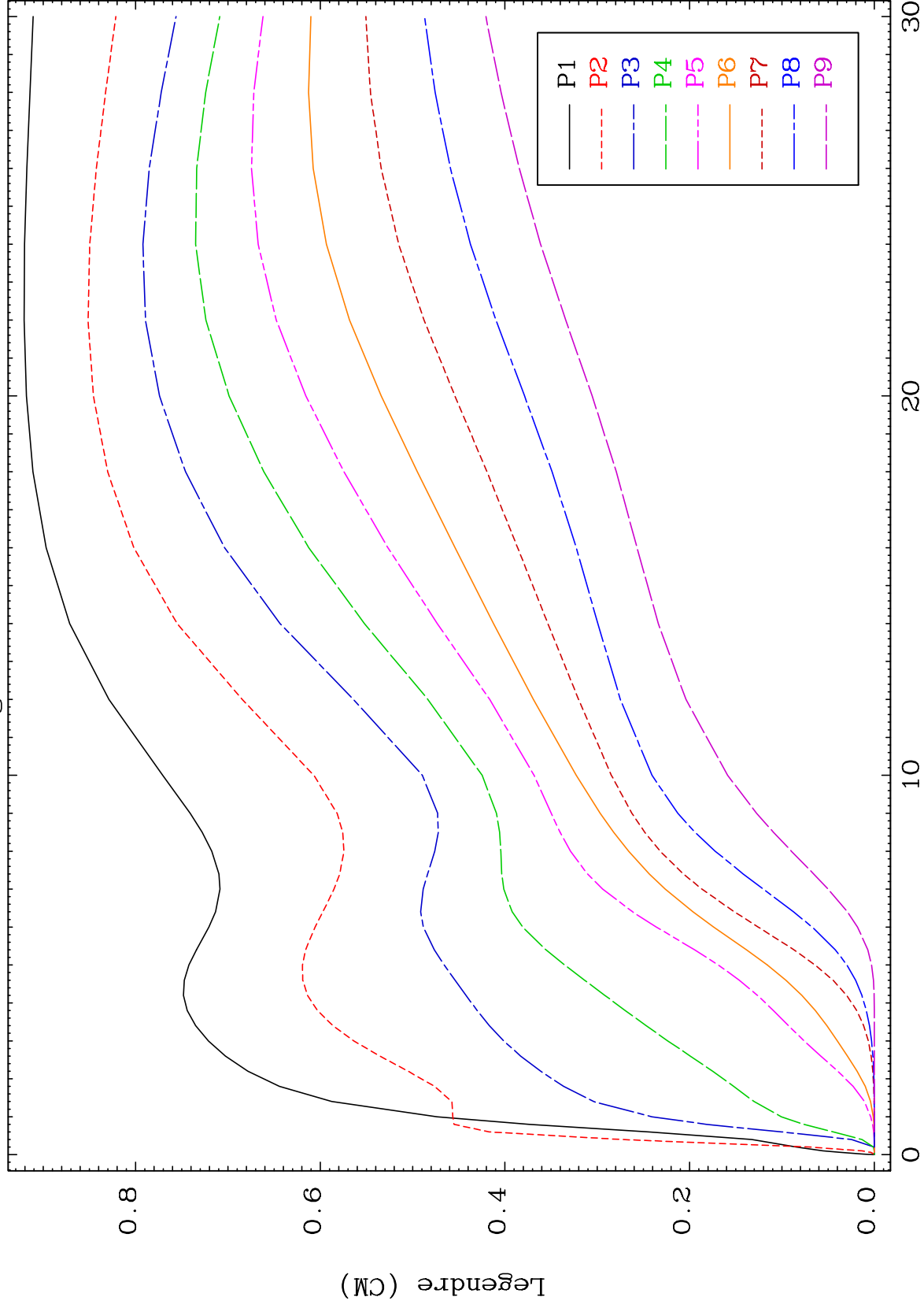
69-Tm-158



MAT 6892

Elastic Legendre Coefficients

69-Tm-158



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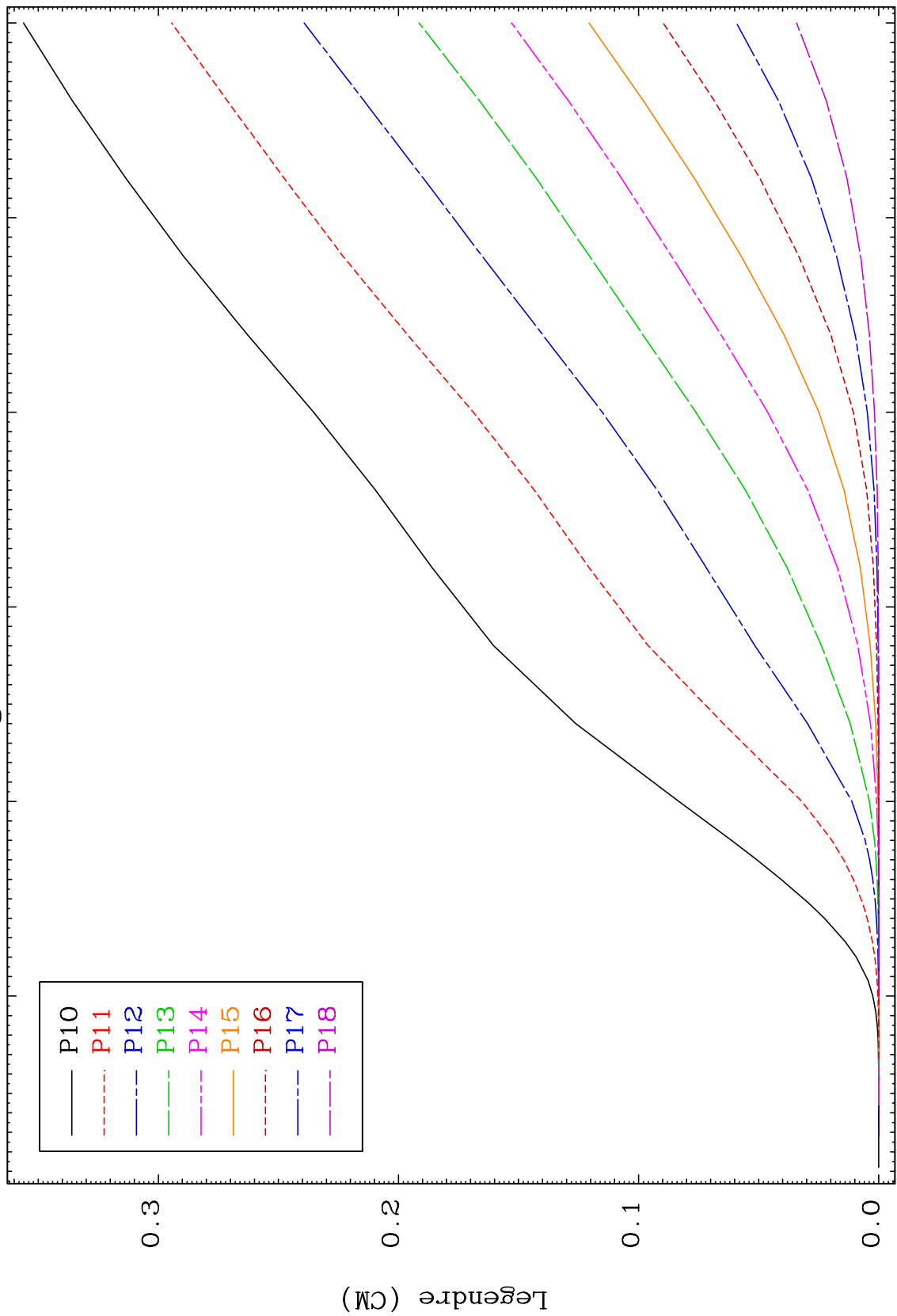
Incident Energy (MeV)

69-Tm-158

MAT 6892

Elastic Legendre Coefficients

69-Tm-158

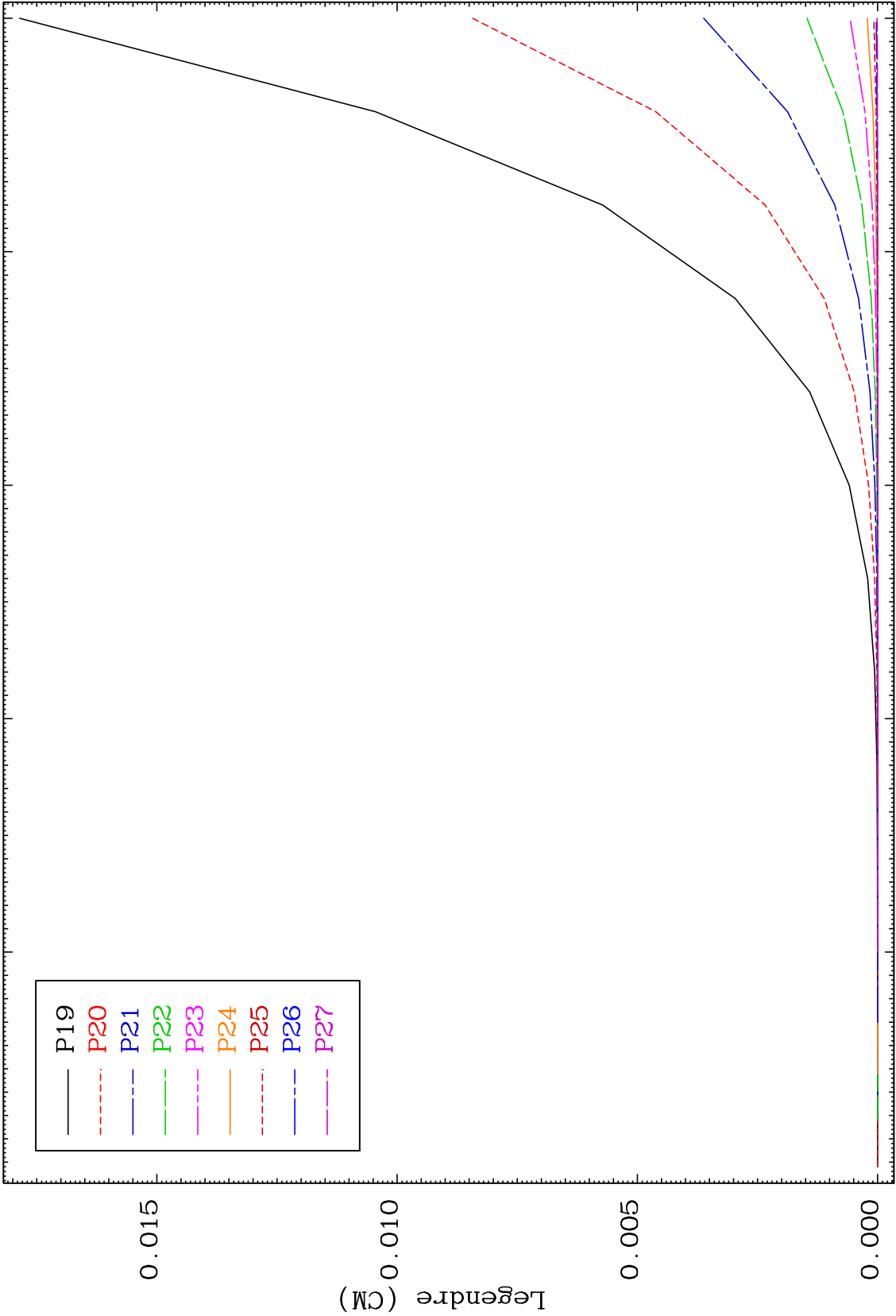


20

Incident Energy (MeV)

69-Tm-158

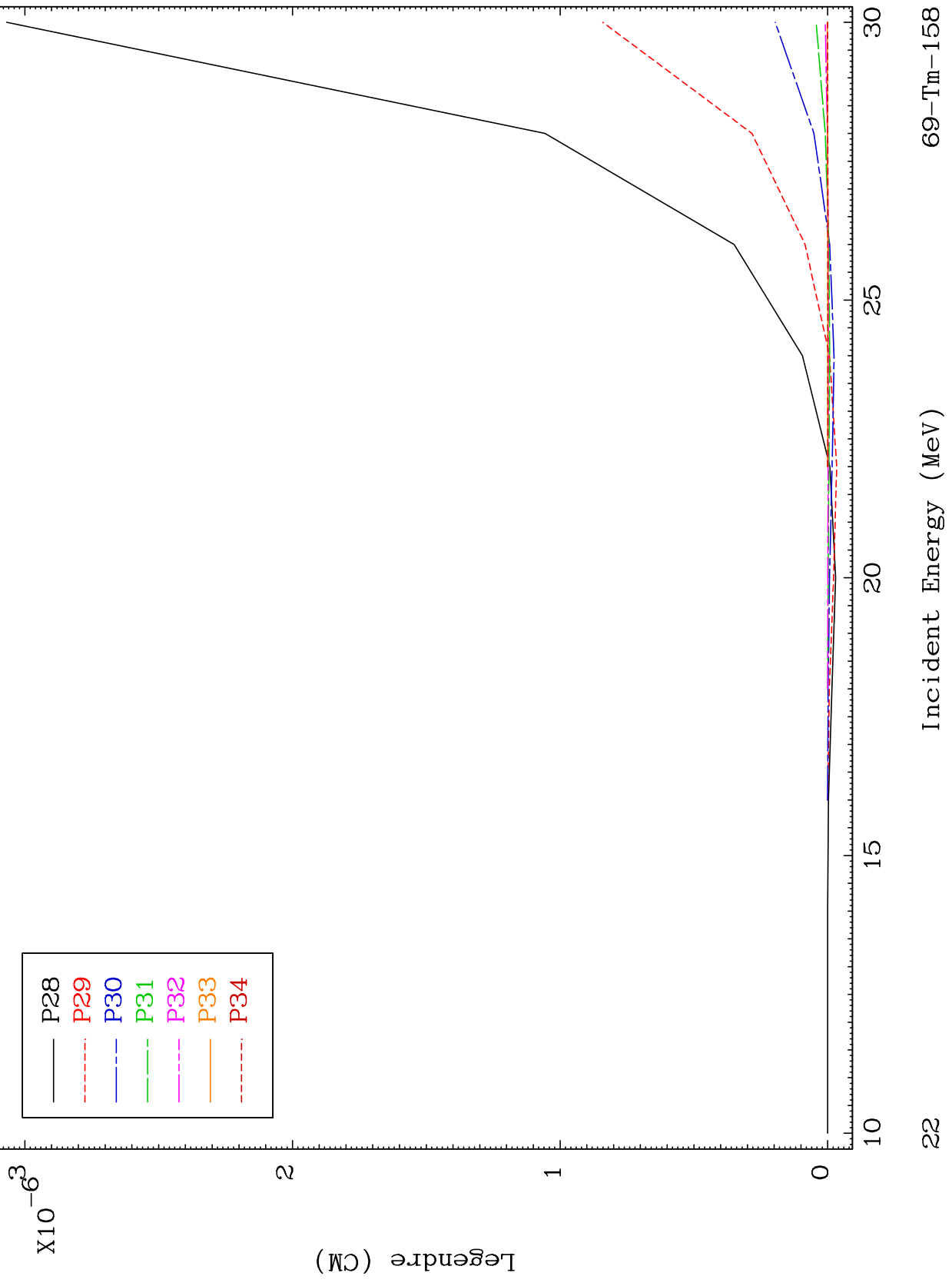
Elastic Legendre Coefficients



MAT 6892

Elastic Legendre Coefficients

69-Tm-158



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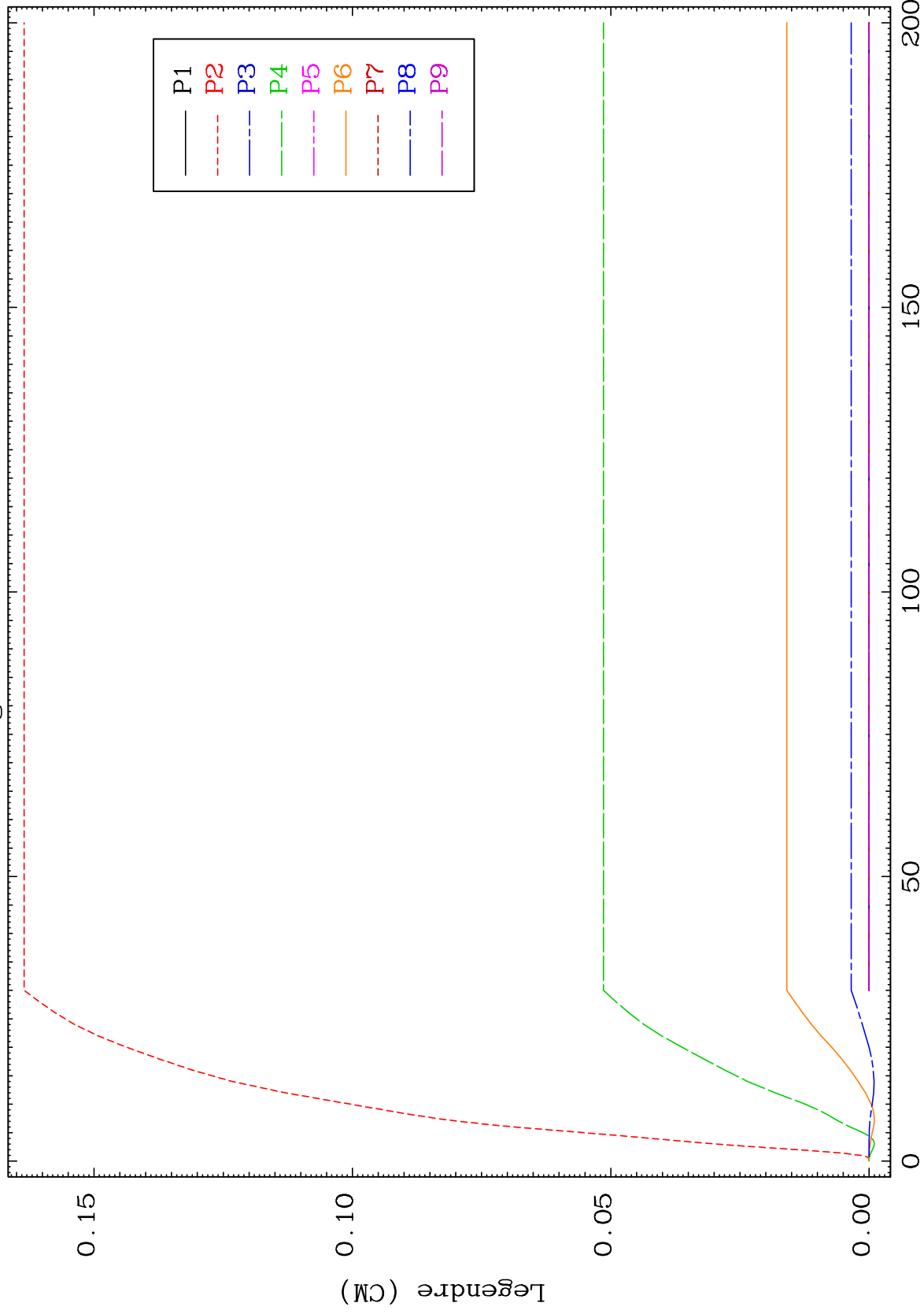
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



23

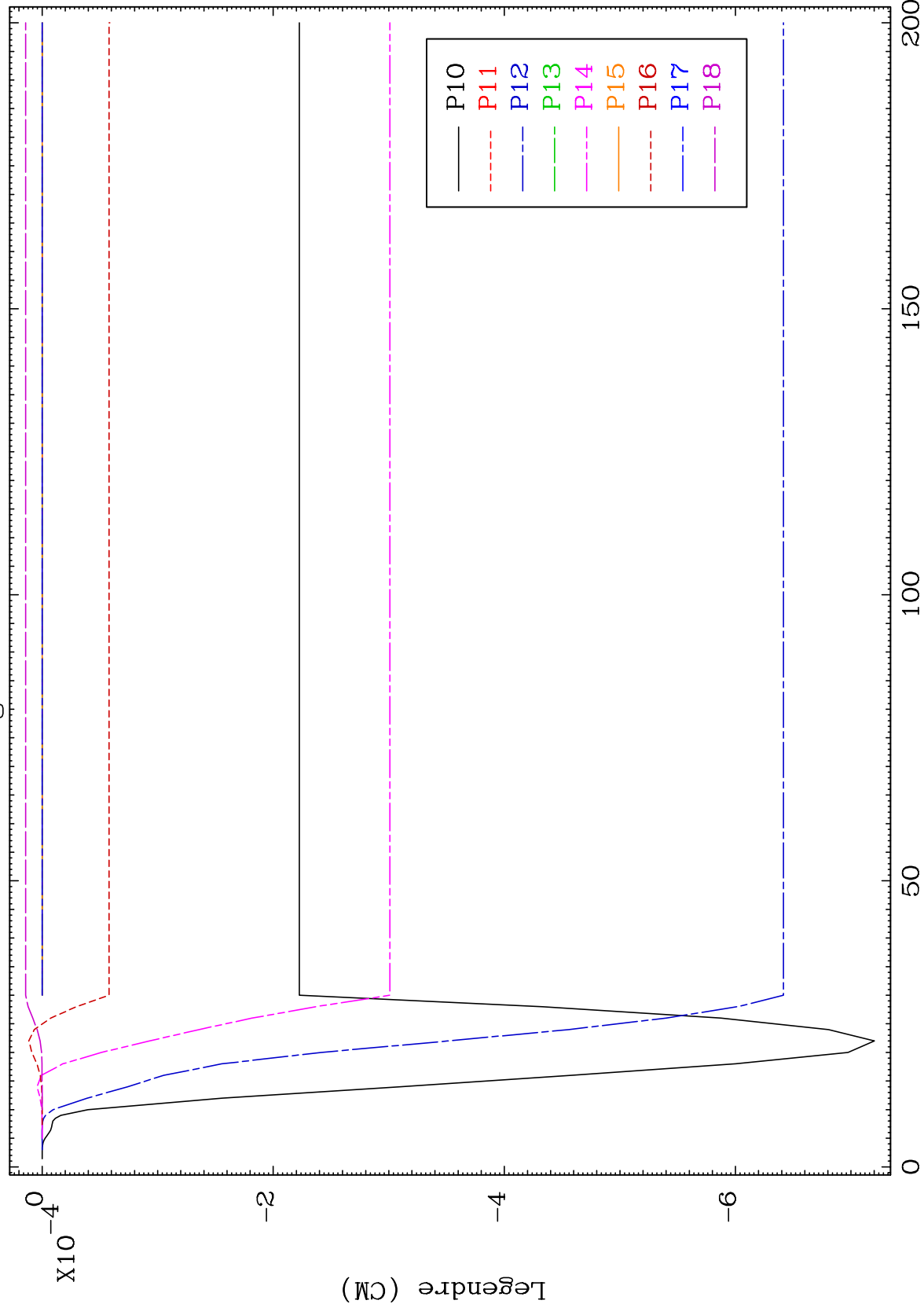
Incident Energy (MeV)

69-Tm-158

MAT 6892

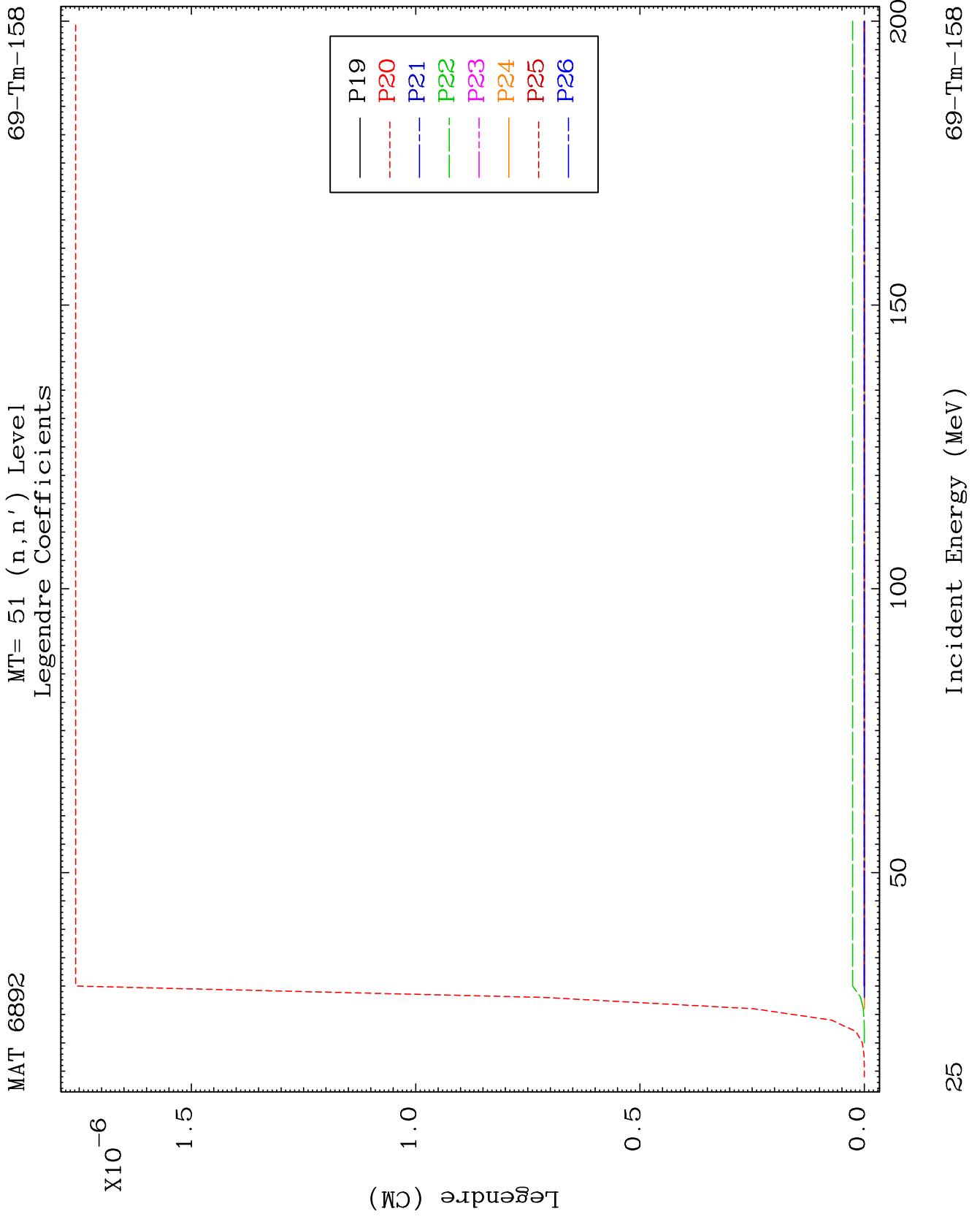
MT= 51 (n,n') Level
Legendre Coefficients

69-Tm-158



24

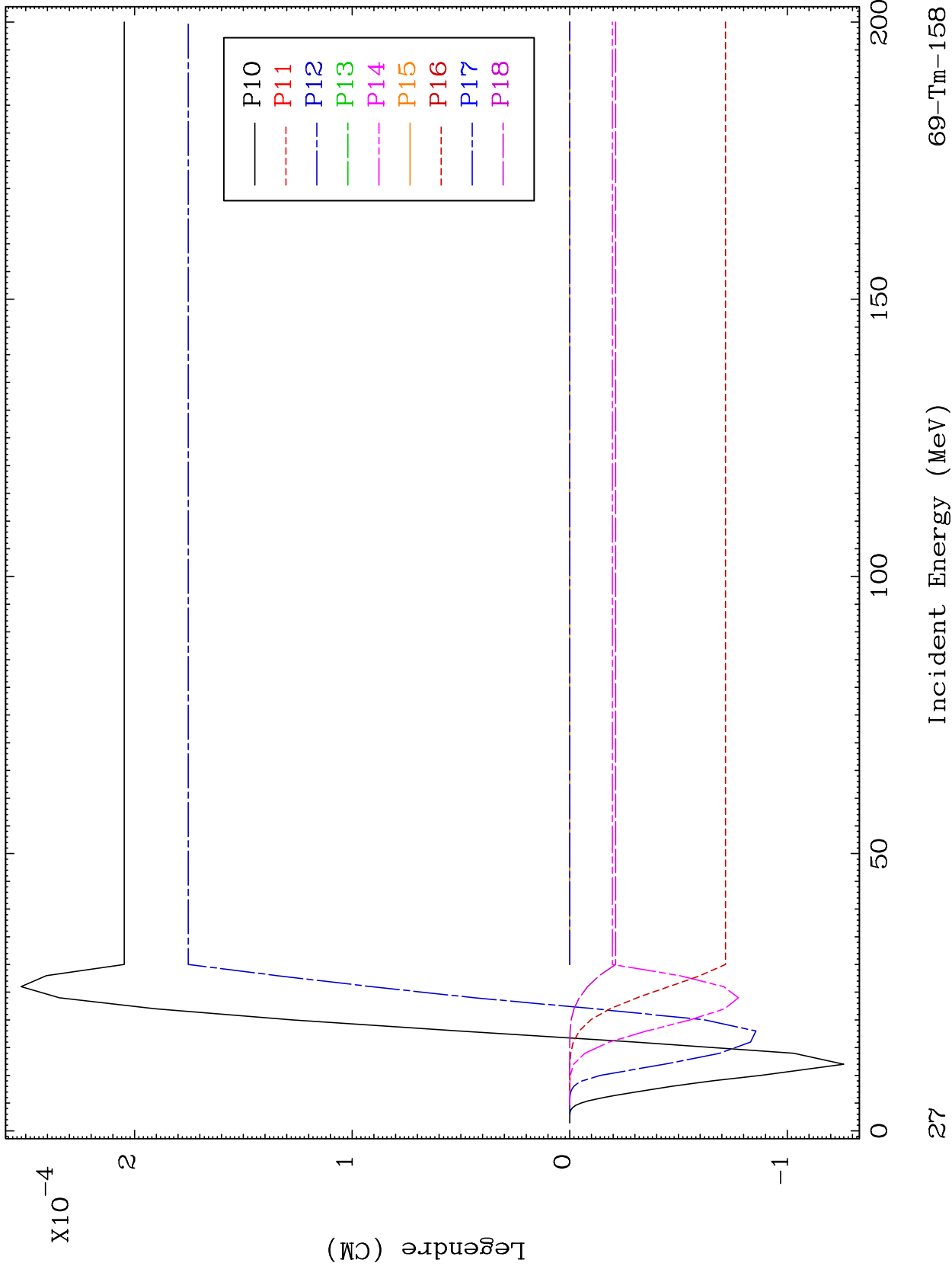
69-Tm-158



MAT 6892

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

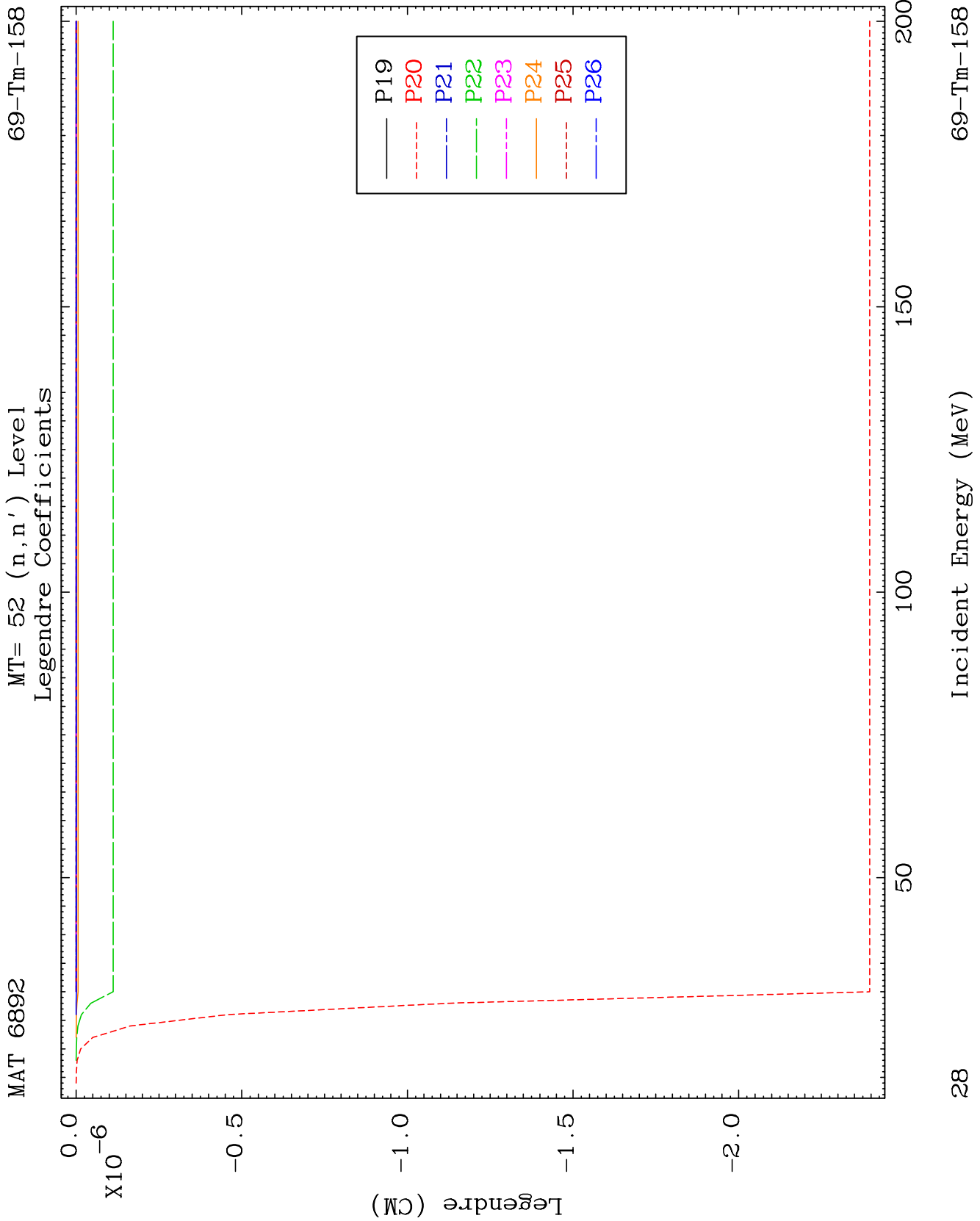
69-Tm-158



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Incident Energy (MeV)

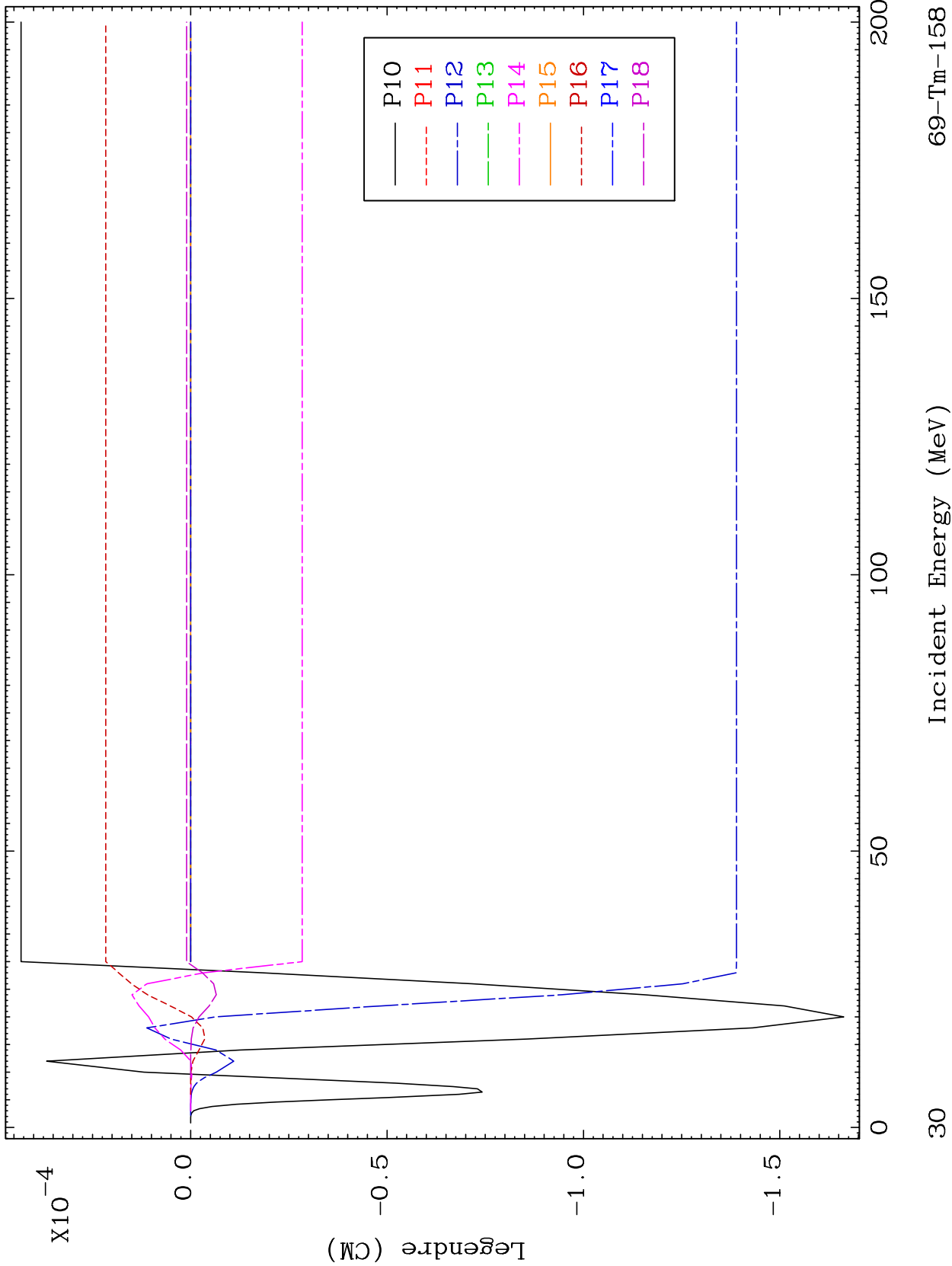
69-Tm-158



MAT 6892

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

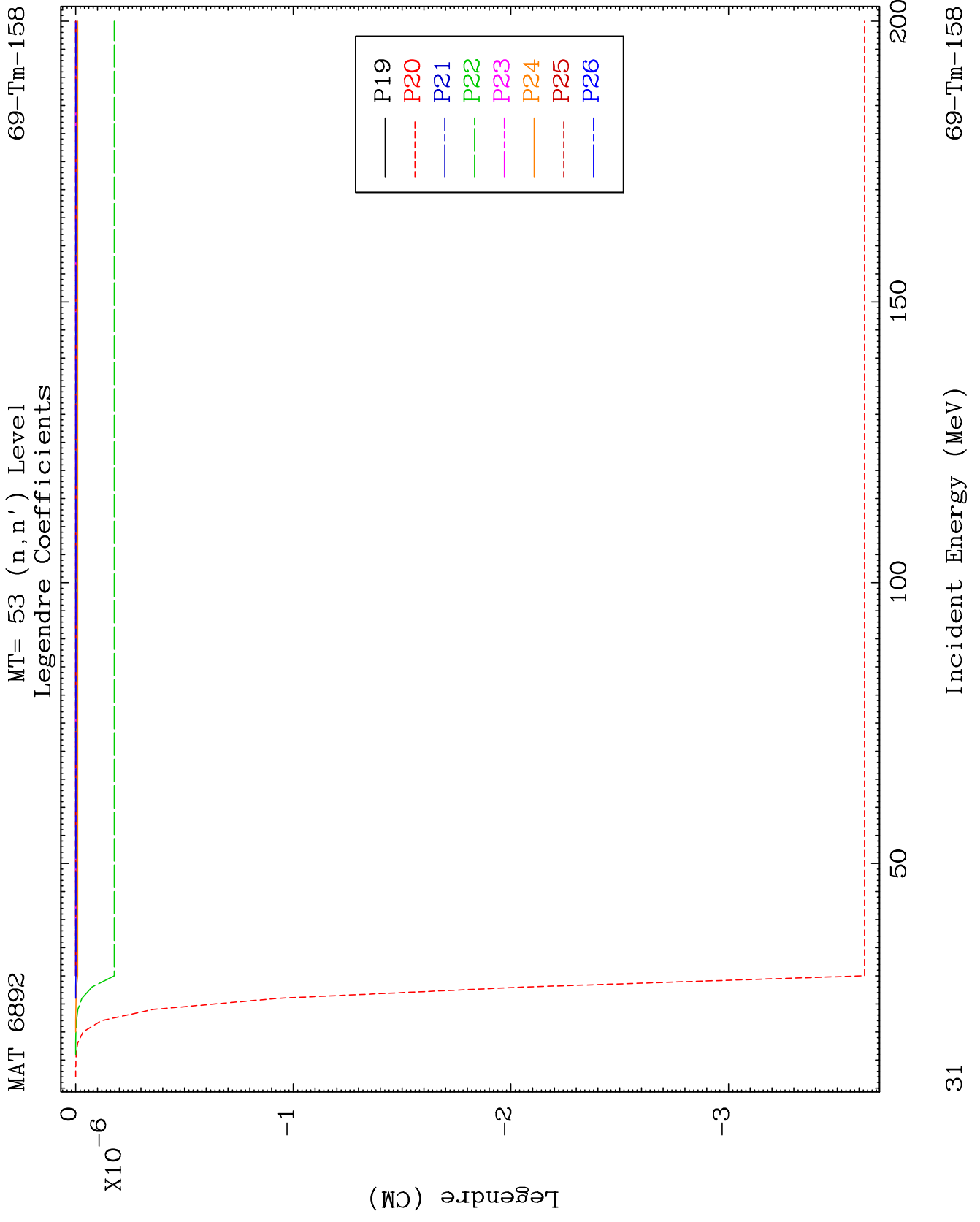
69-Tm-158



69-Tm-158

Incident Energy (MeV)

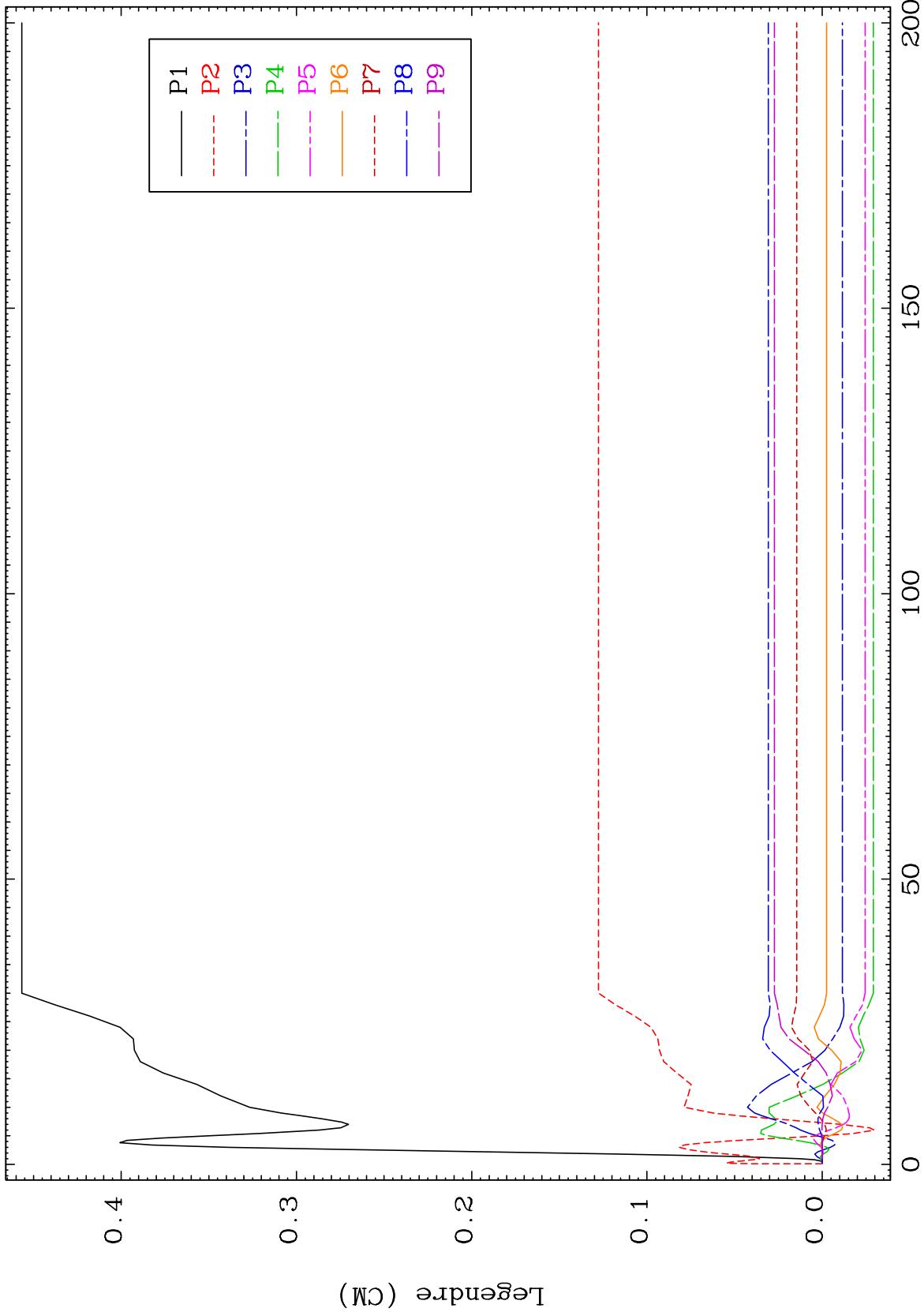
30



MAT 6892

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

69-Tm-158



32

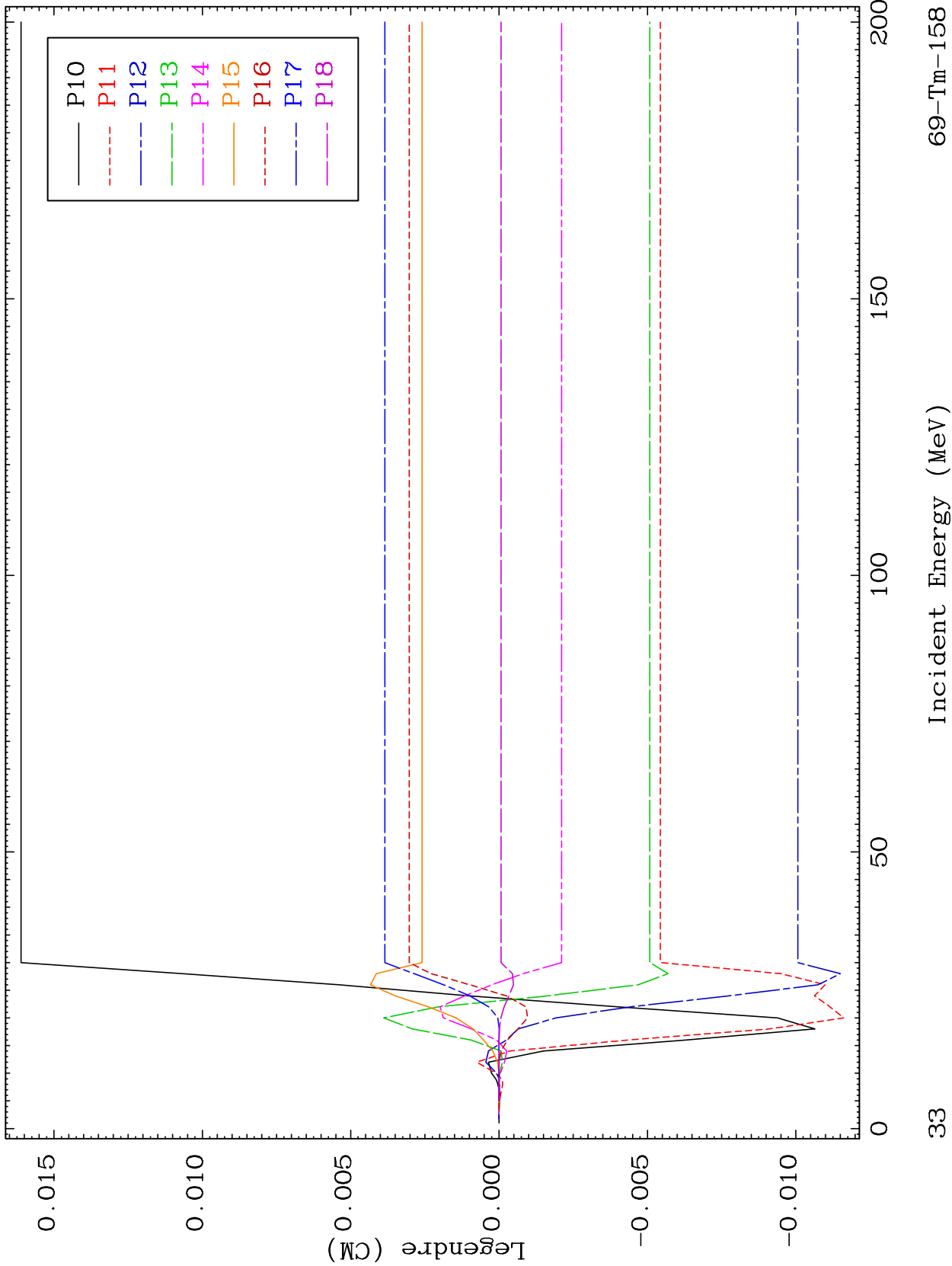
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



33

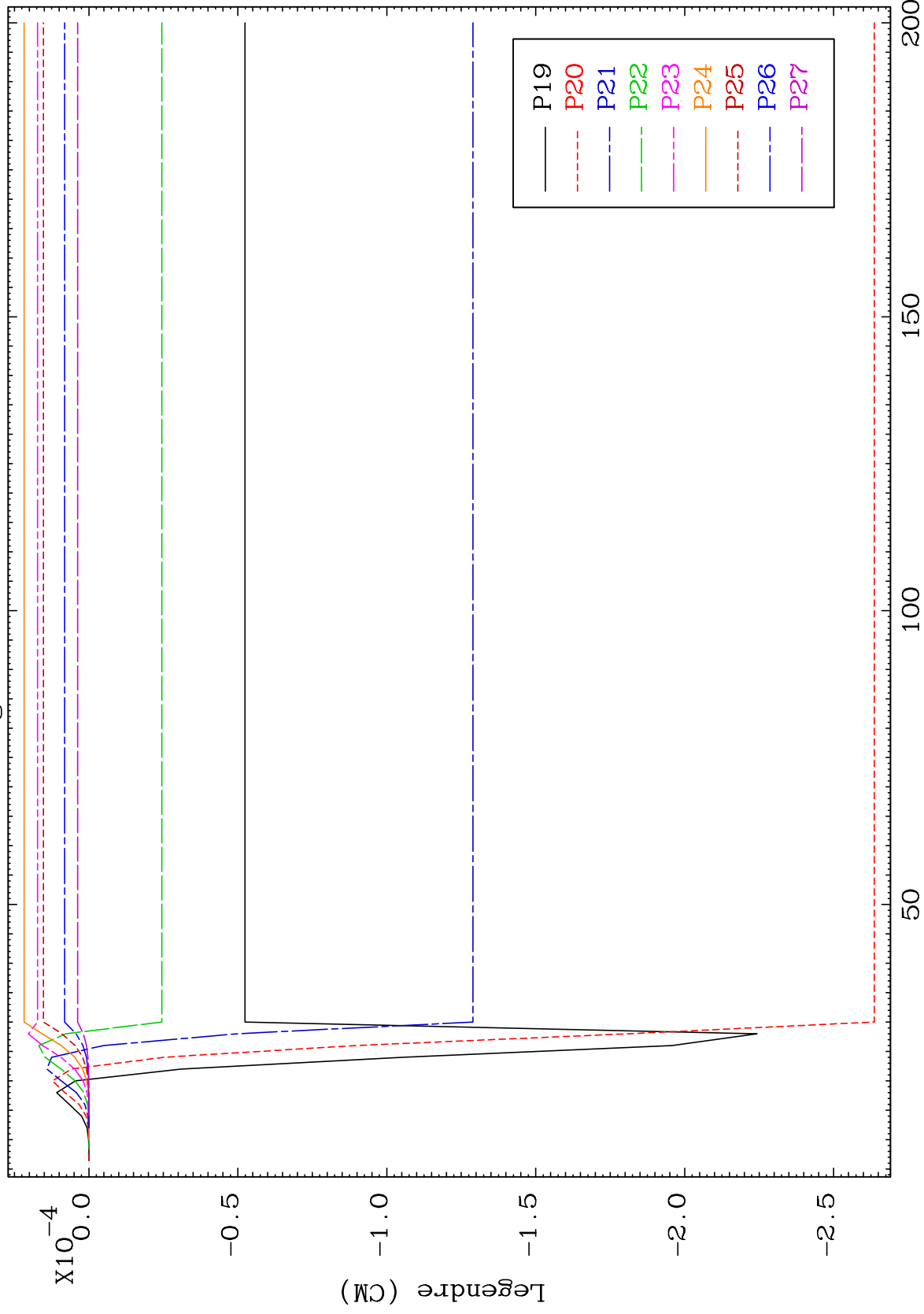
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



34

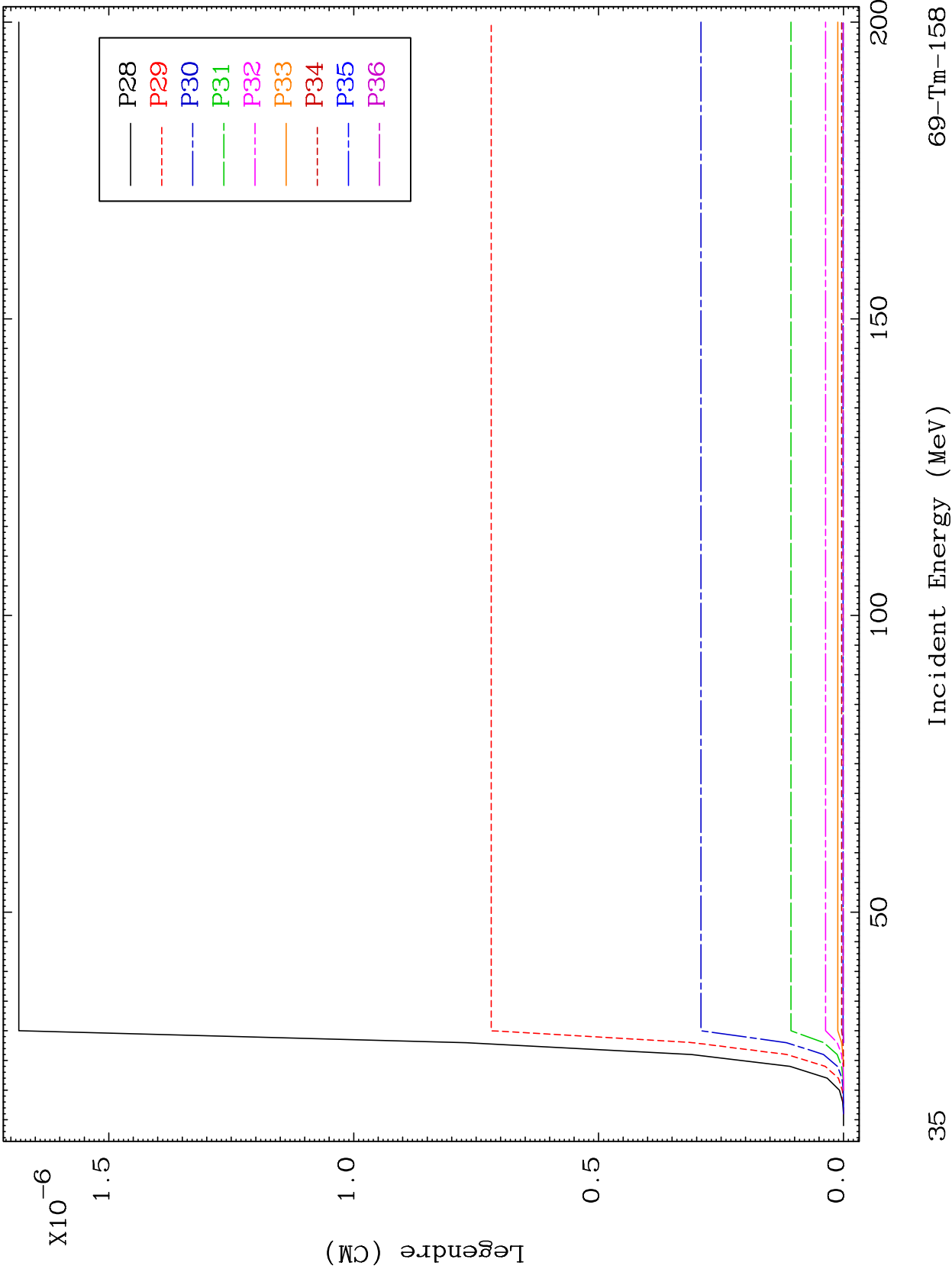
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

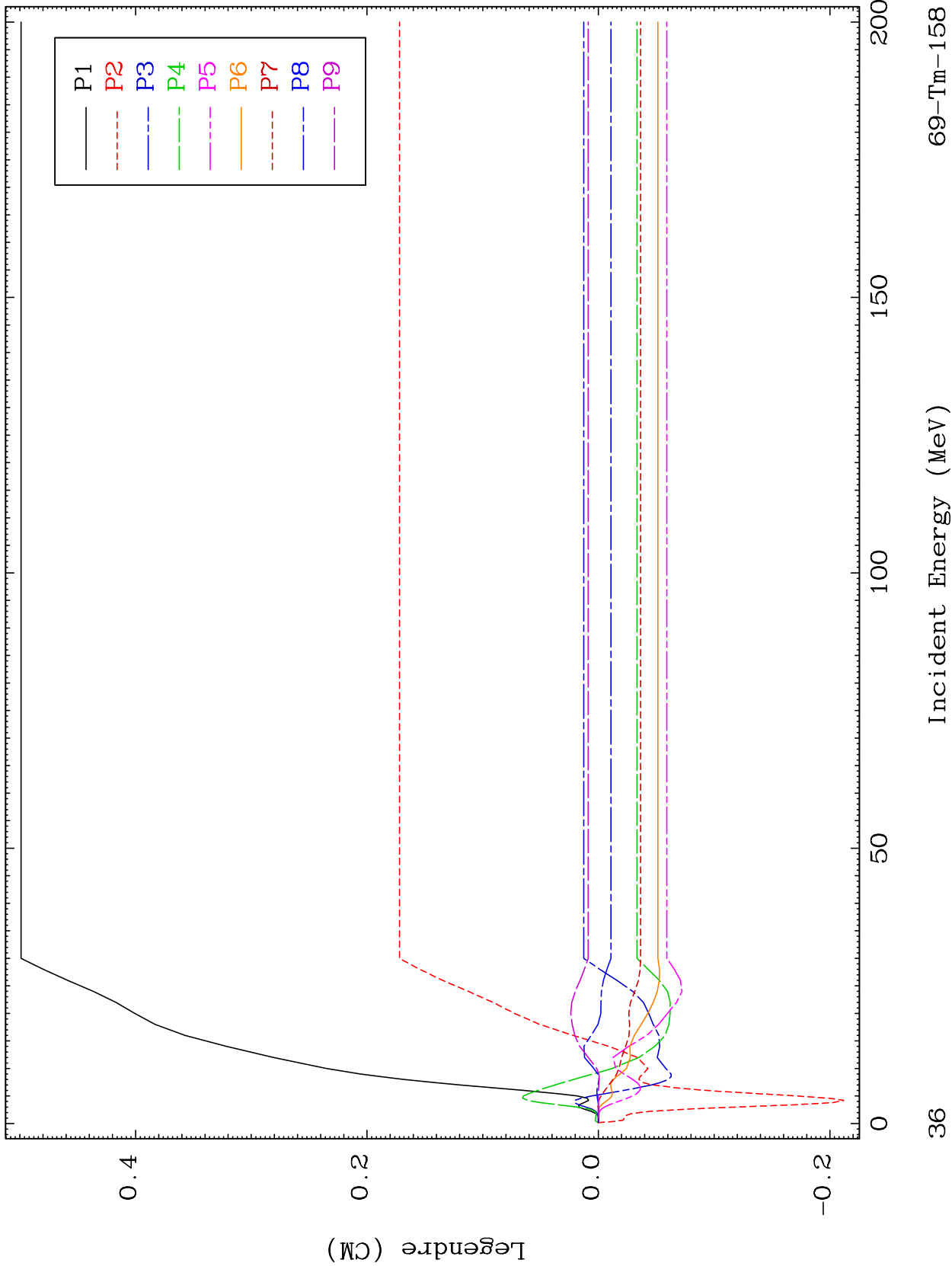
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

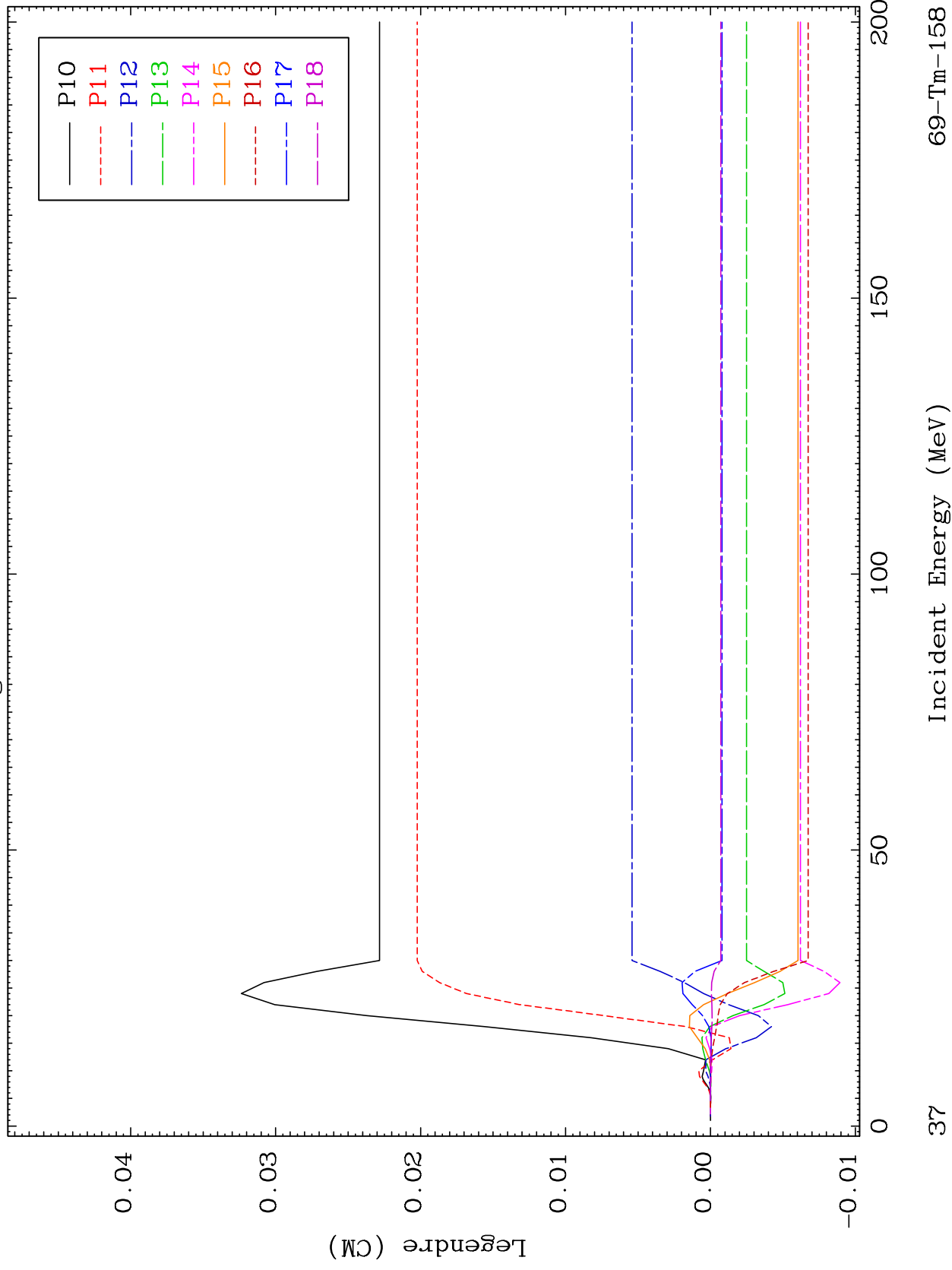
Incident Energy (MeV)

36

MAT 6892

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

69-Tm-158



37

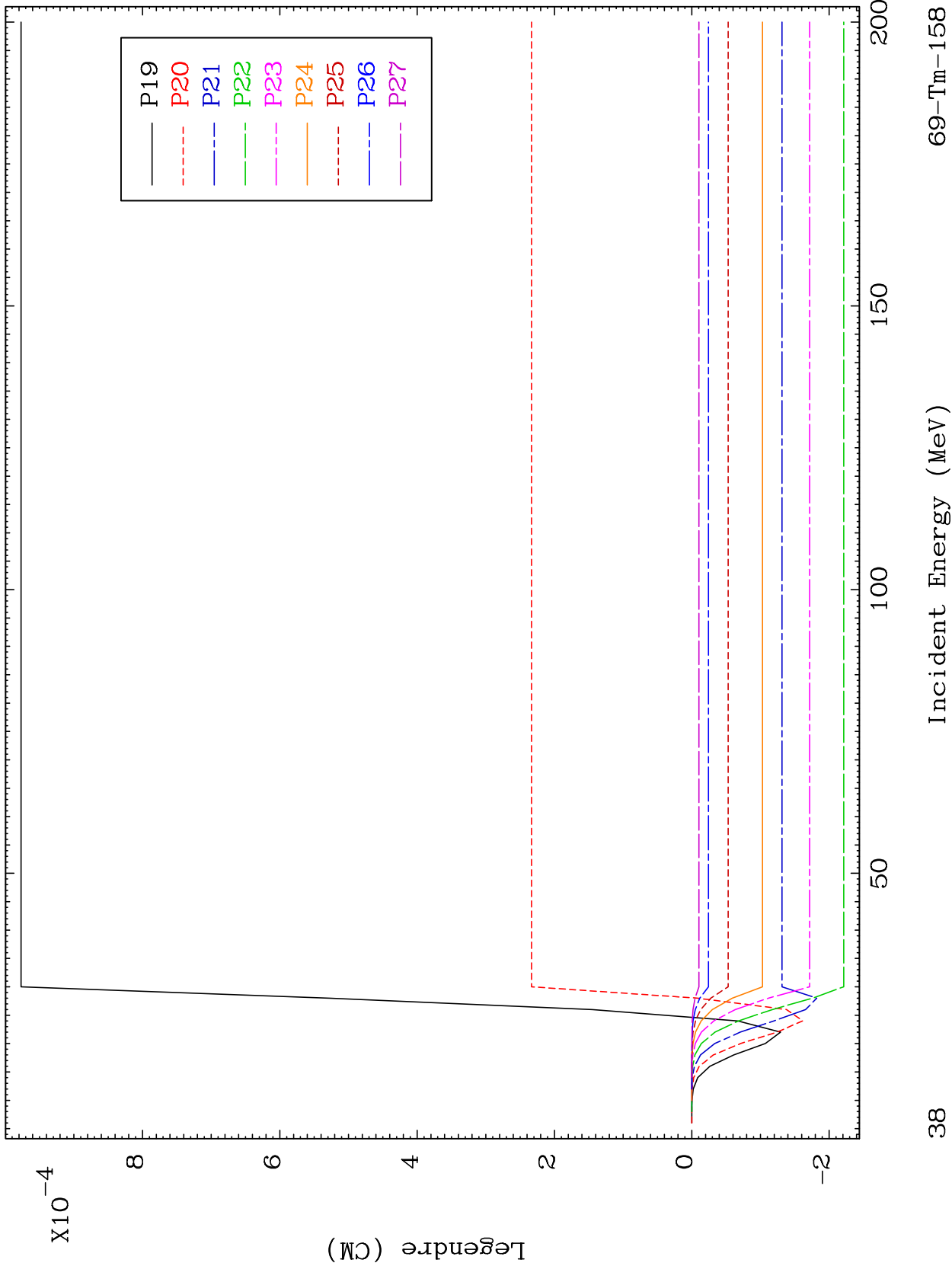
Incident Energy (MeV)

69-Tm-158

MAT 6892

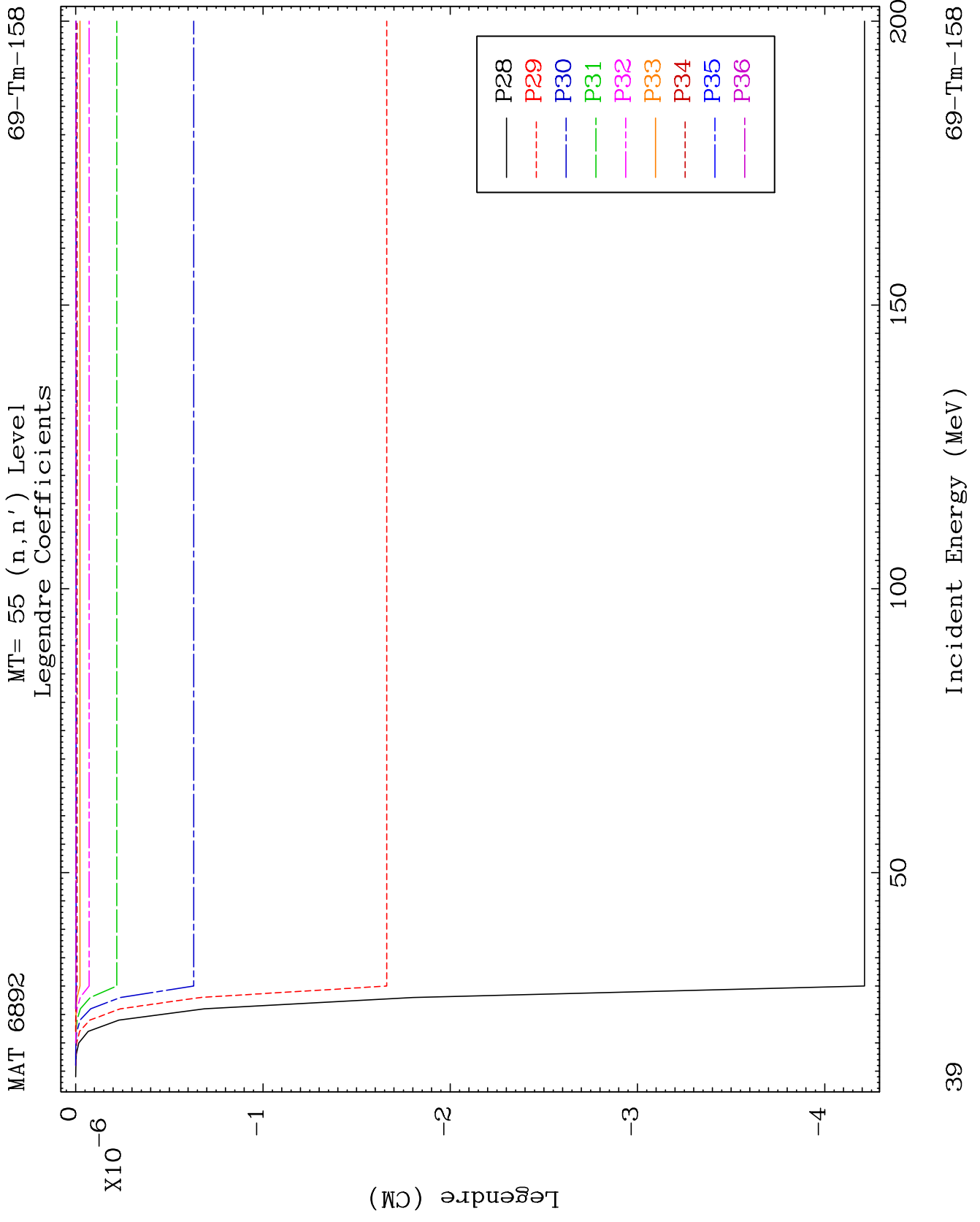
MT= 55 (n,n') Level
Legendre Coefficients

69-Tm-158



38

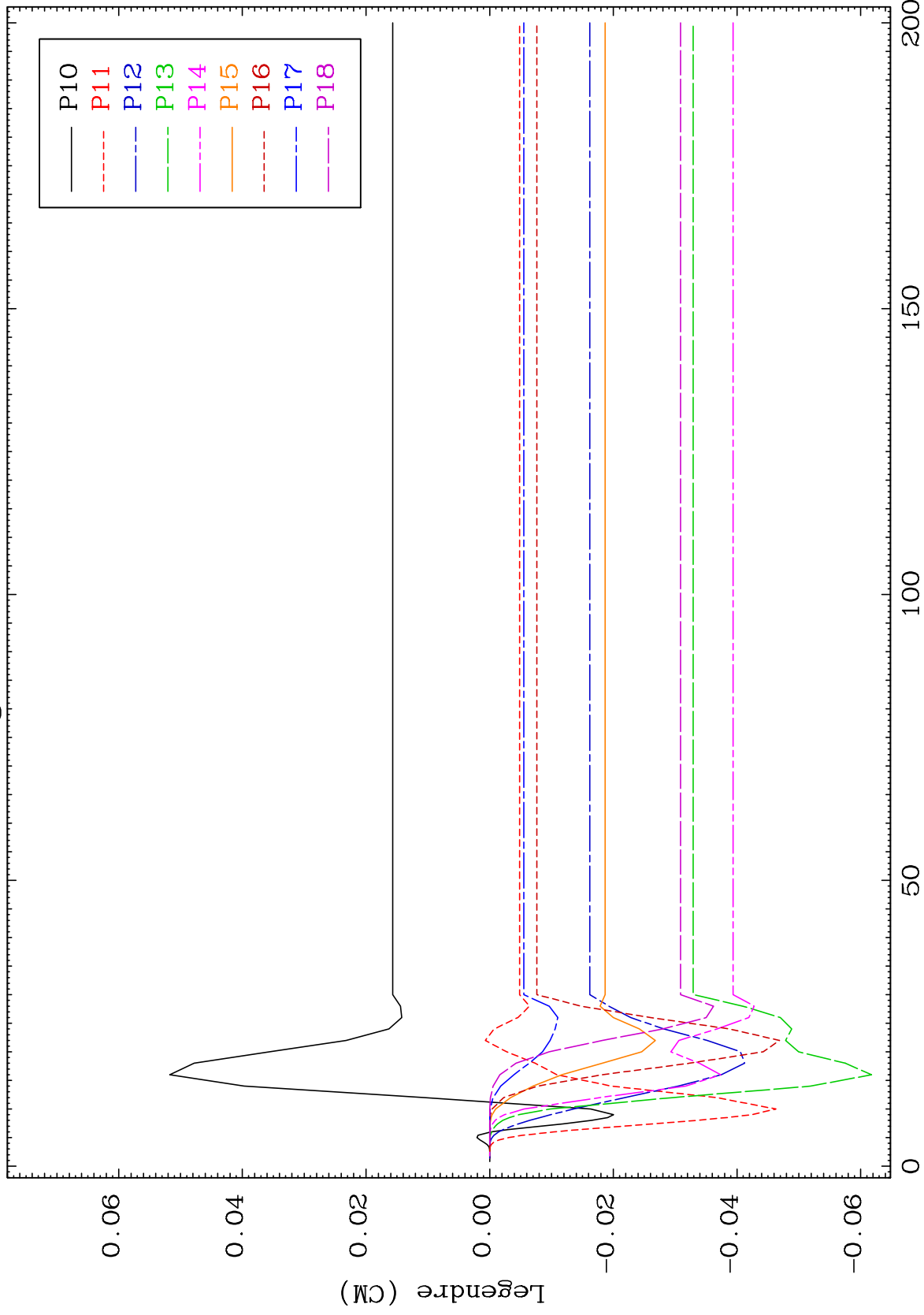
69-Tm-158



MAT 6892

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

69-Tm-158



41

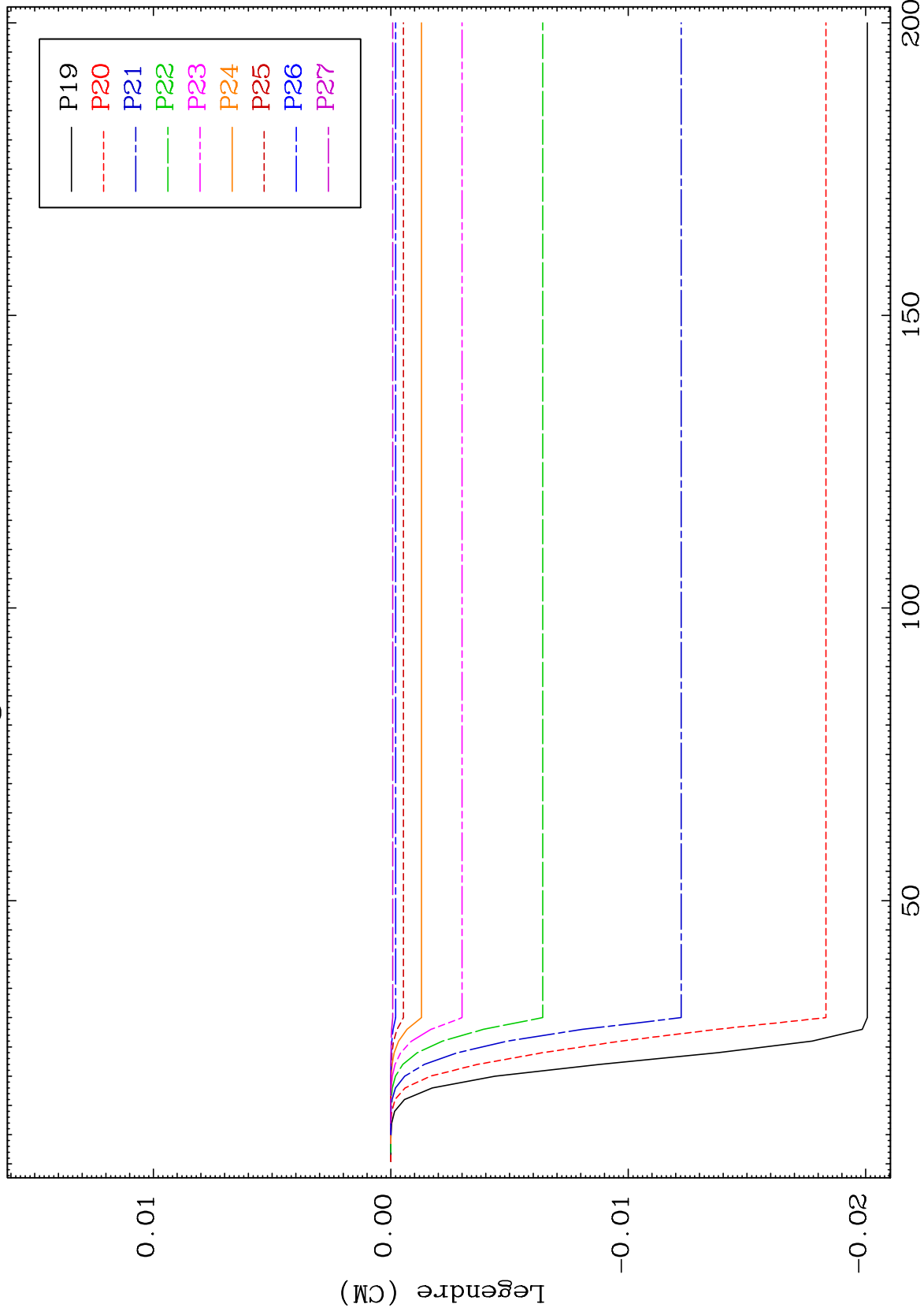
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



42

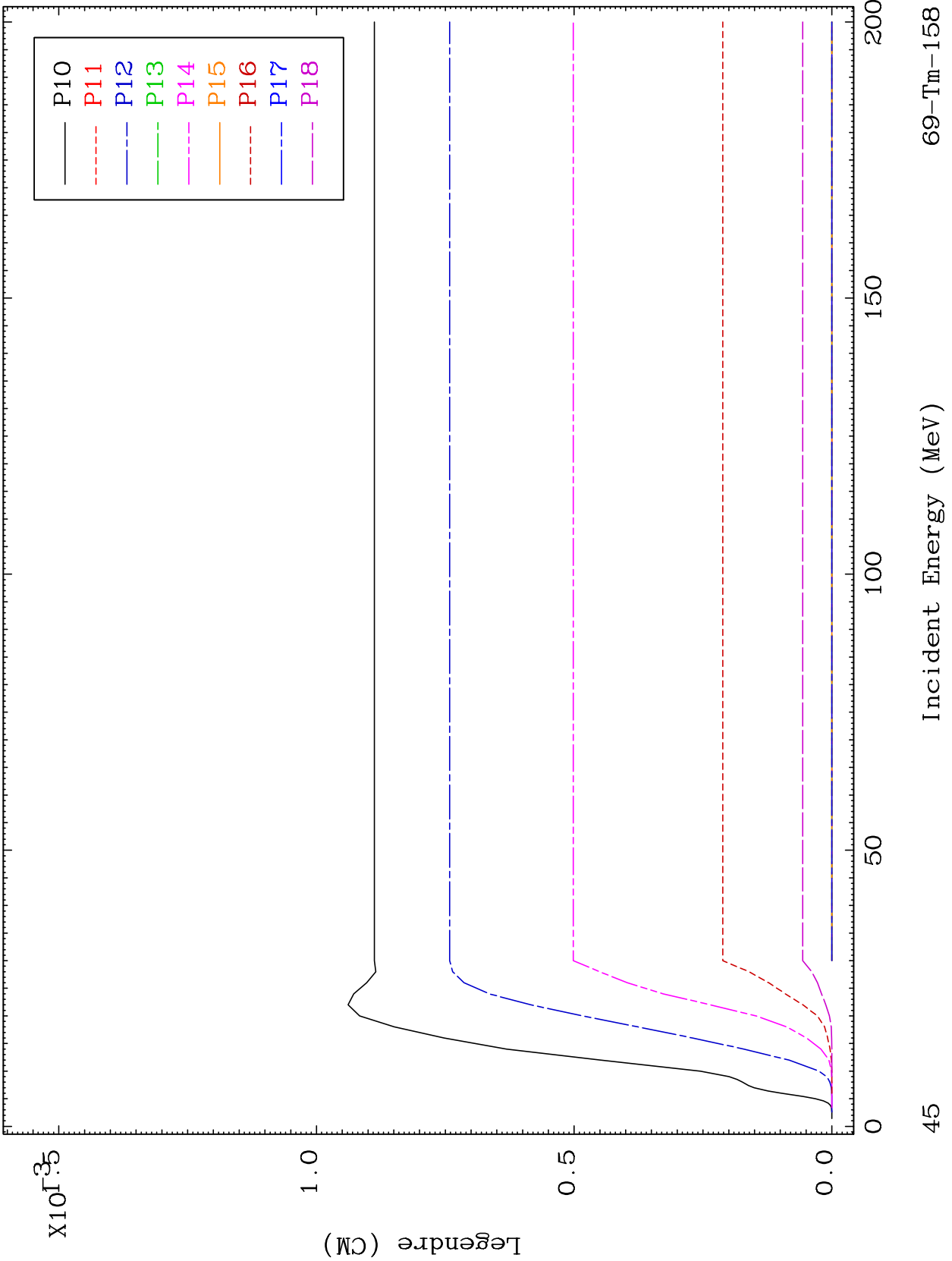
Incident Energy (MeV)

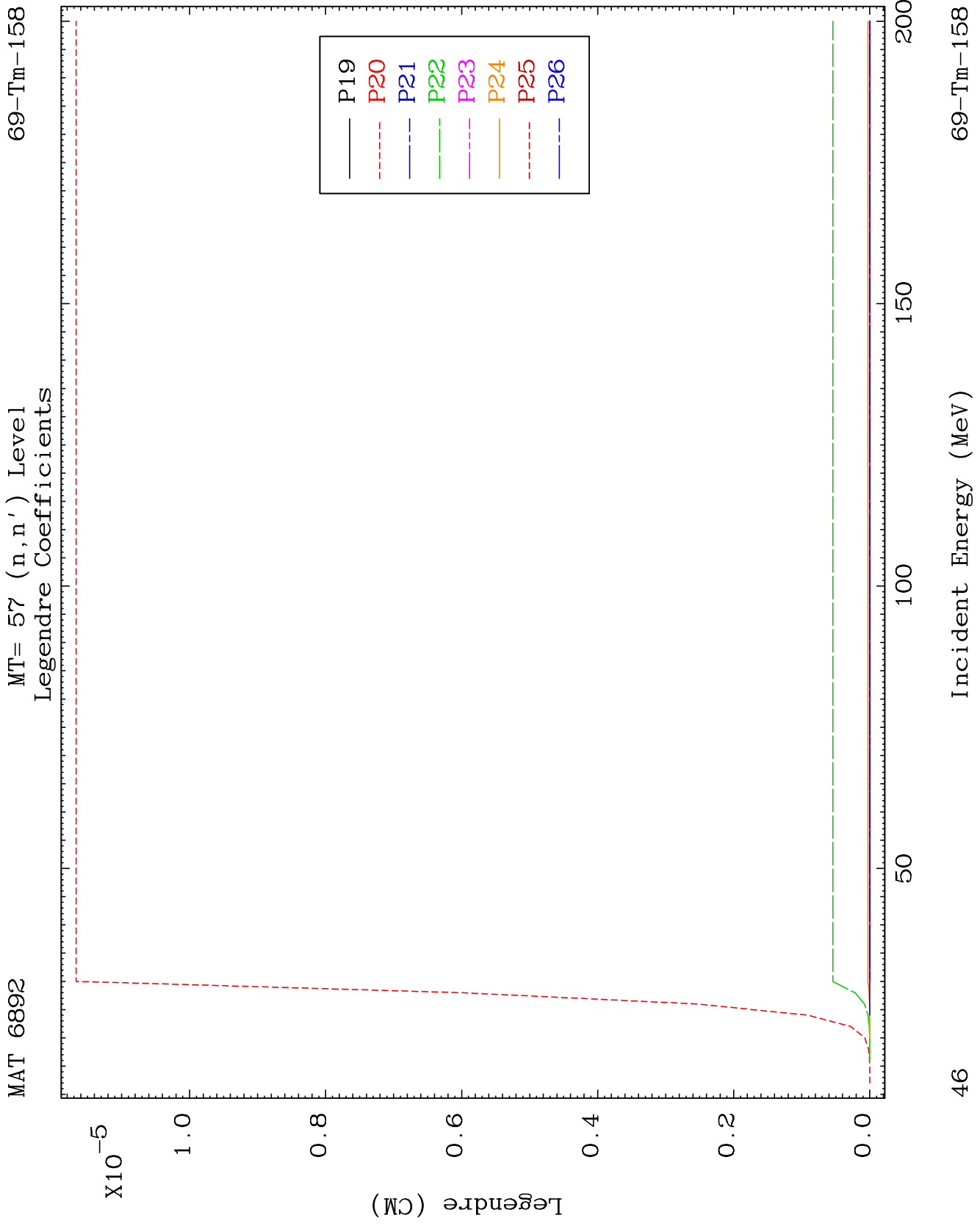
69-Tm-158

MAT 6892

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

69-Tm-158

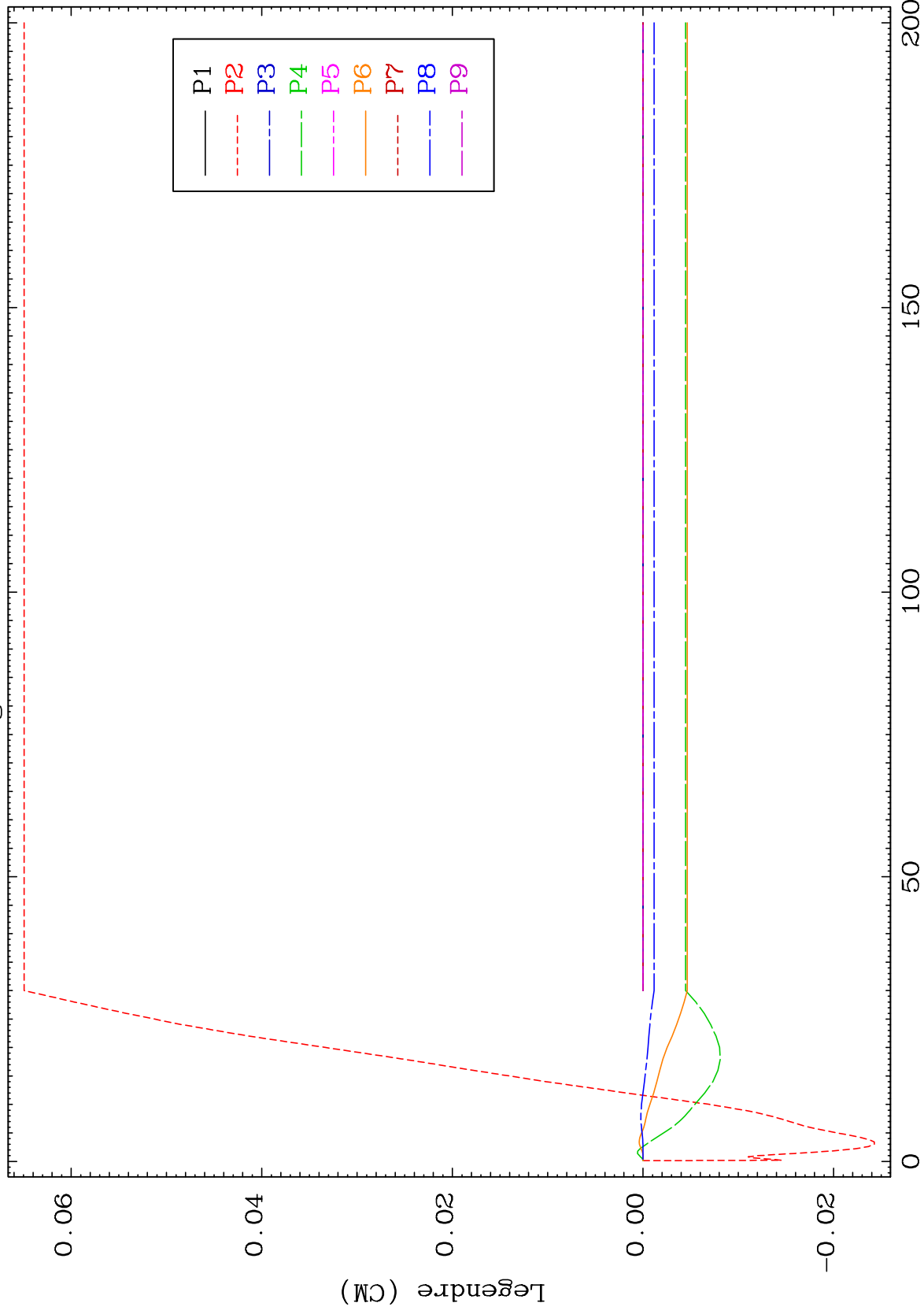




MAT 6892

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

69-Tm-158



47

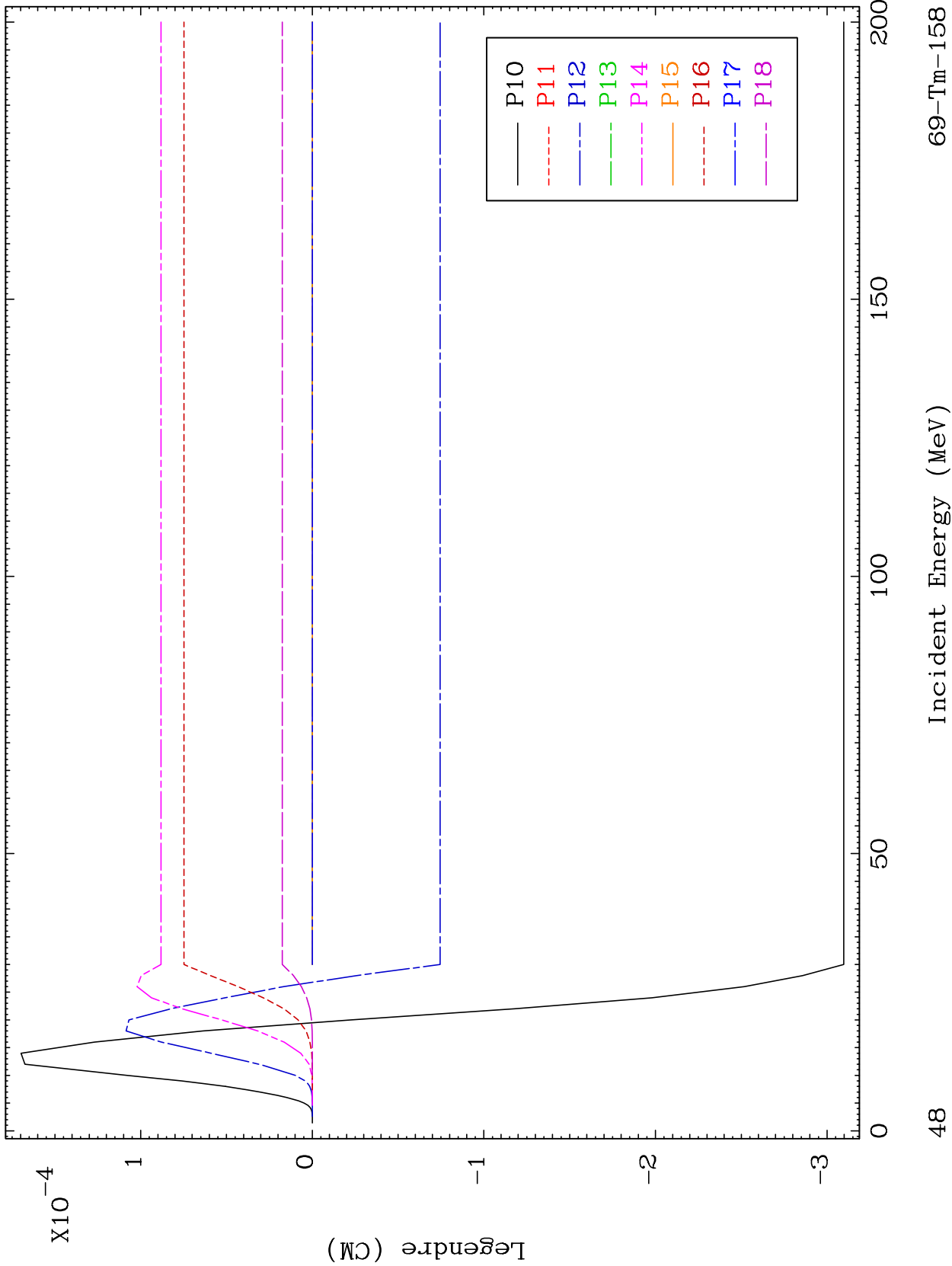
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

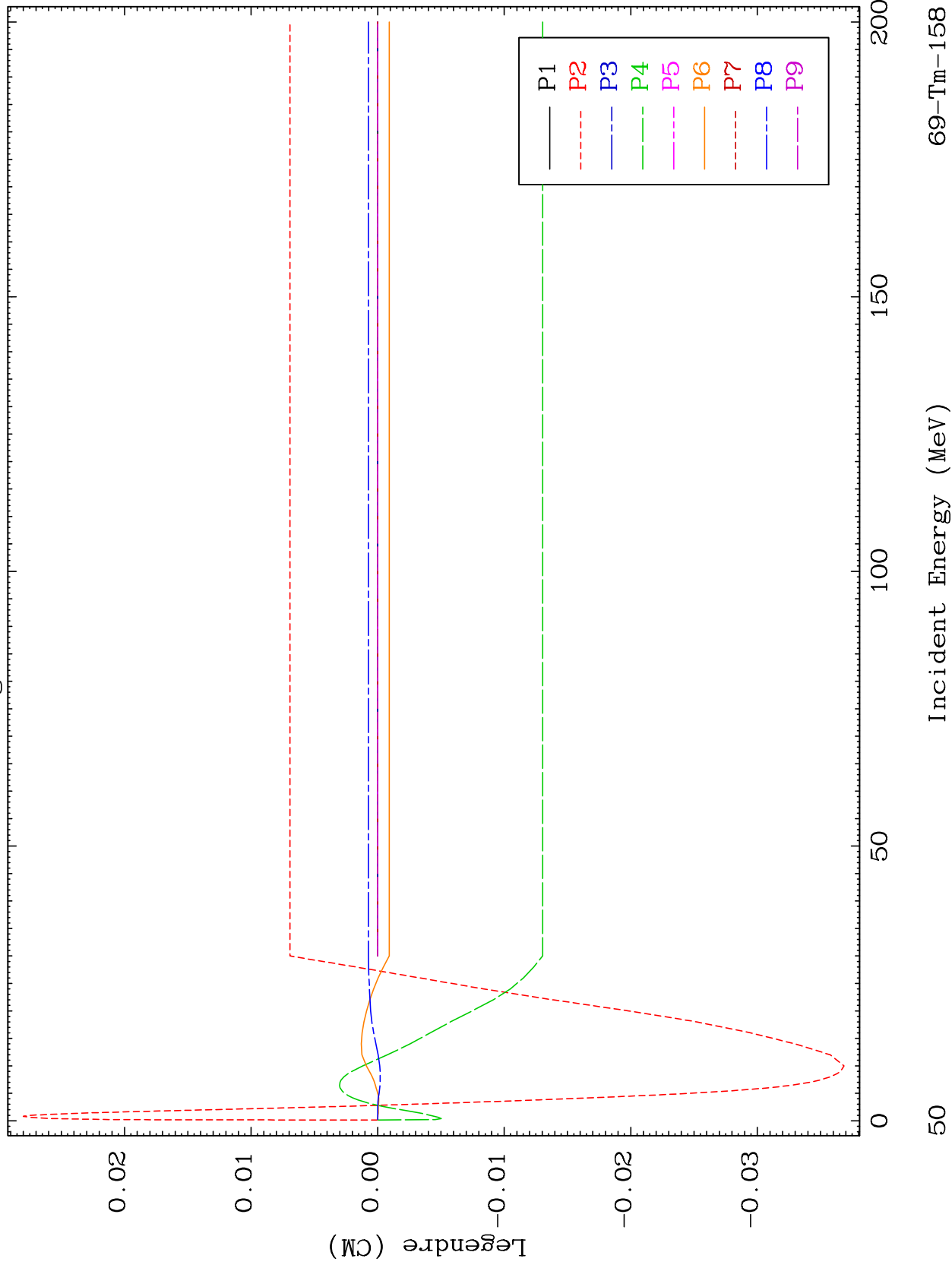
Incident Energy (MeV)

48

MAT 6892

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

69-Tm-158



69-Tm-158

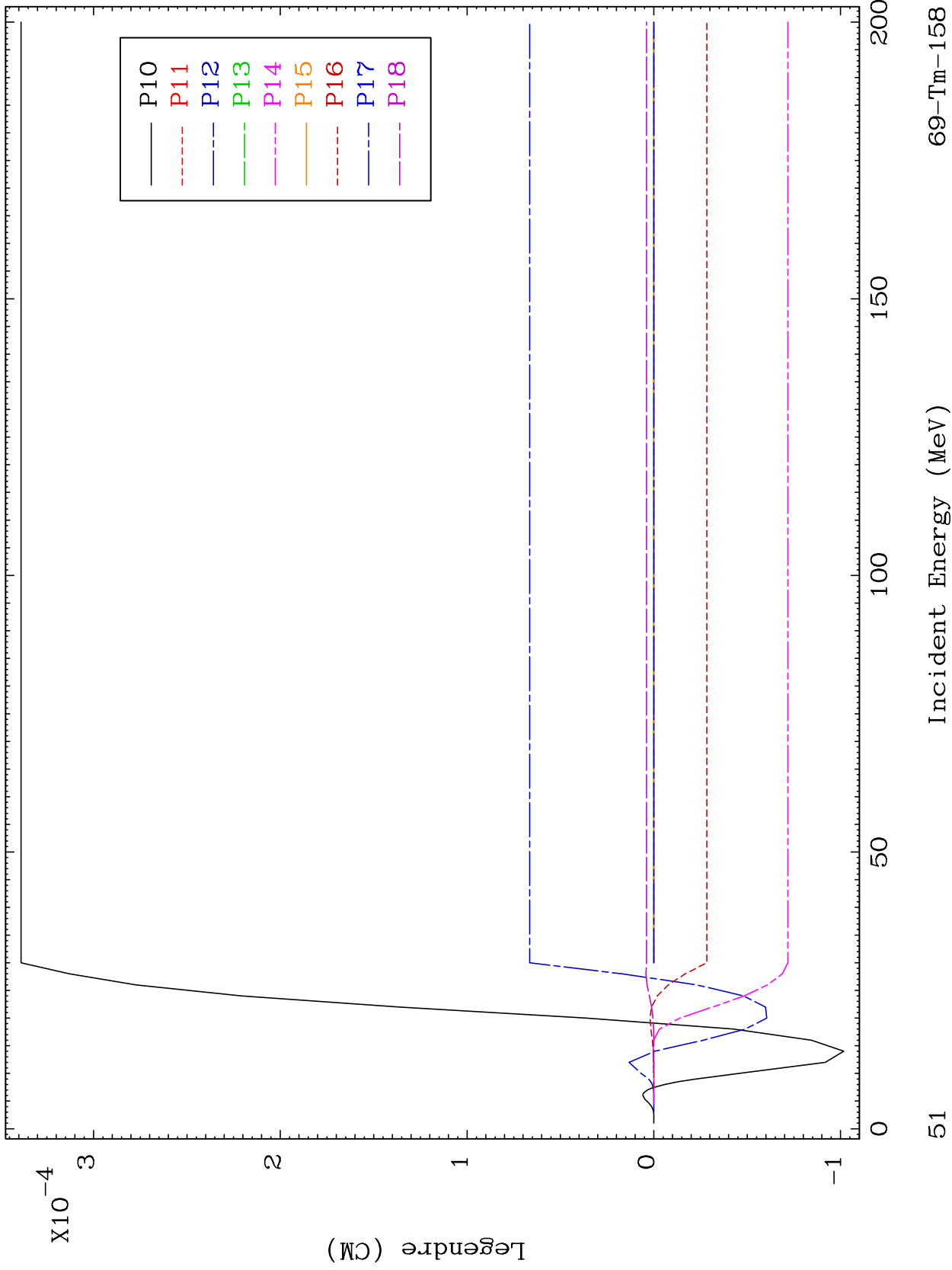
Incident Energy (MeV)

50

MAT 6892

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

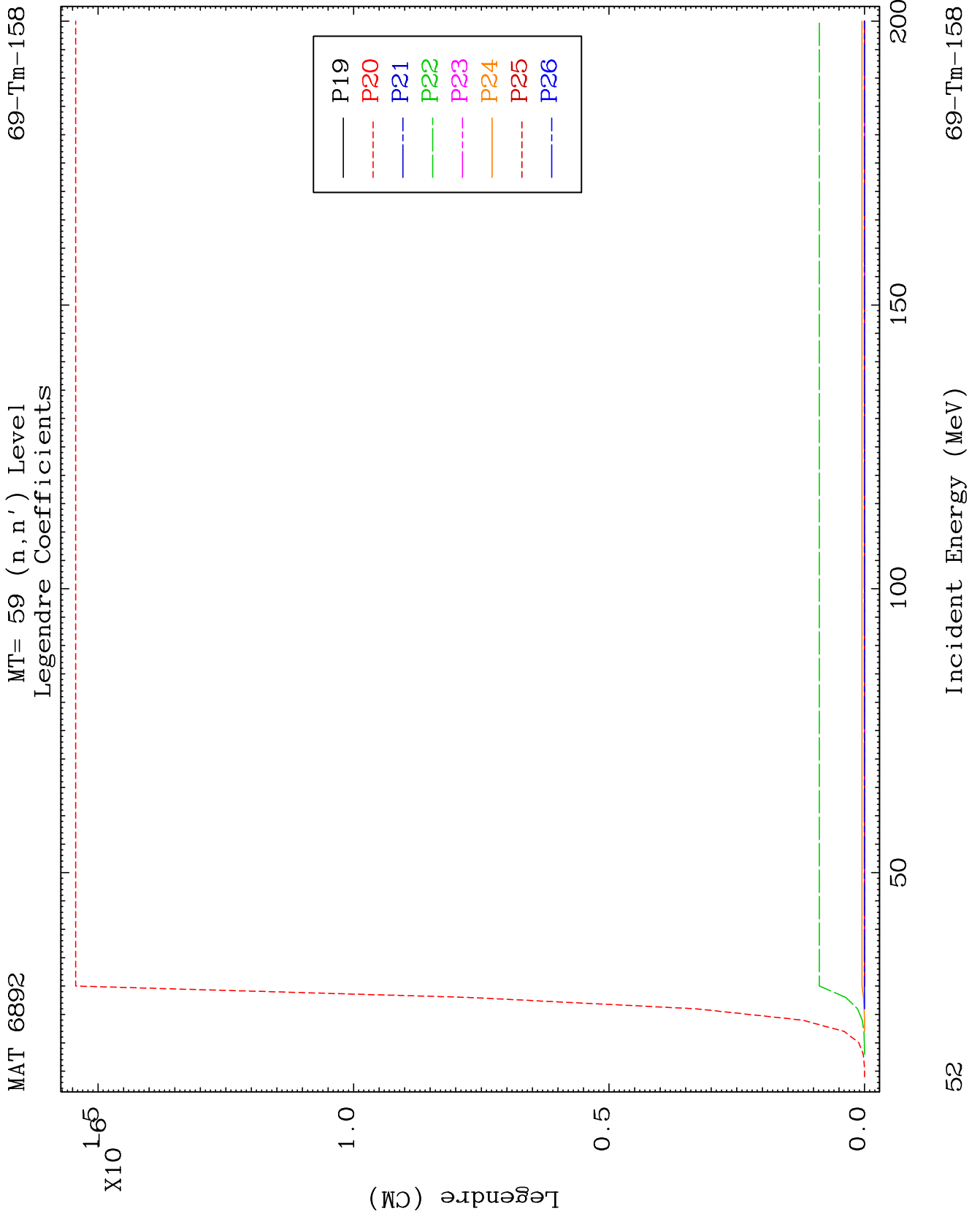
69-Tm-158



51

Incident Energy (MeV)

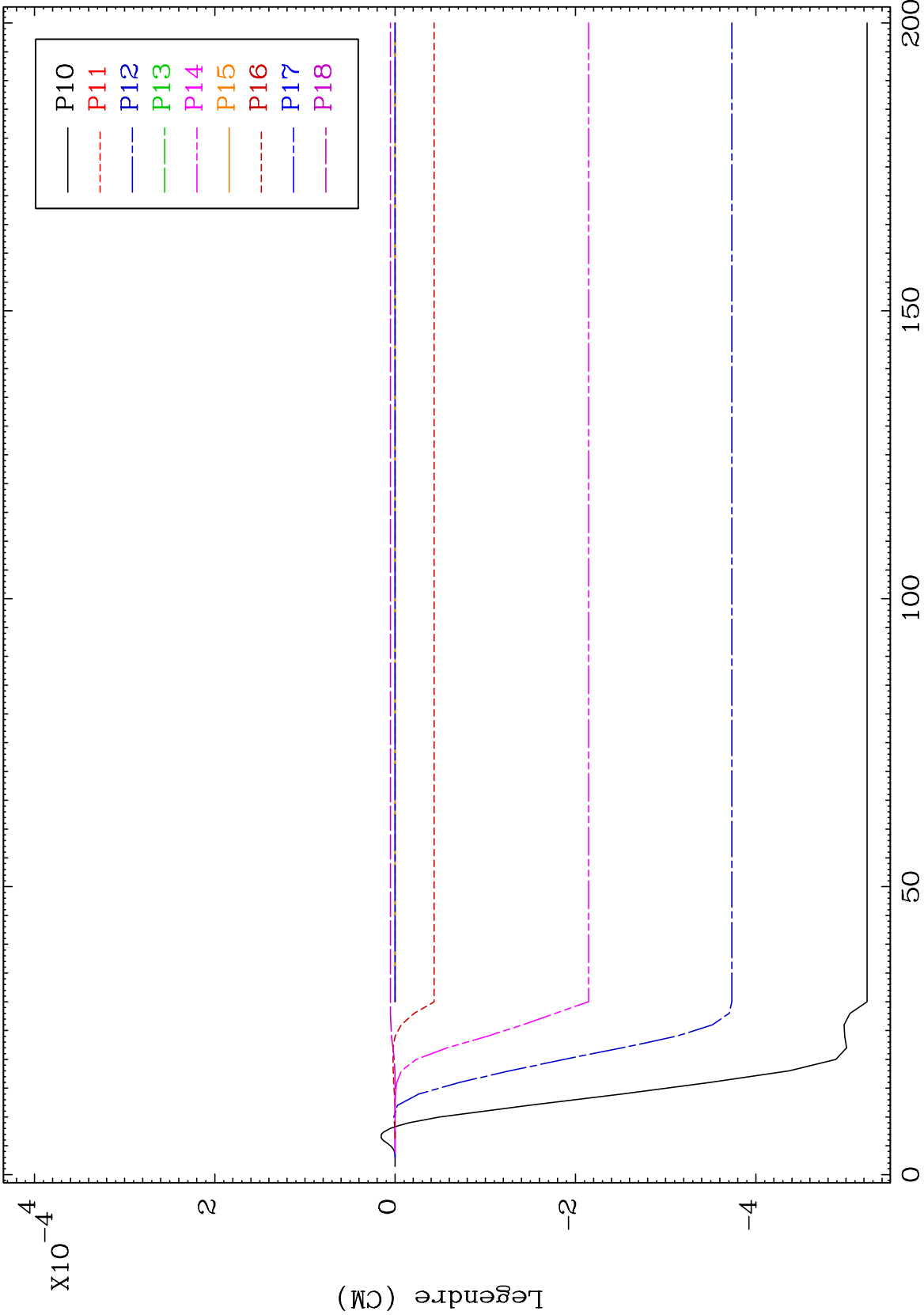
69-Tm-158



MAT 6892

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

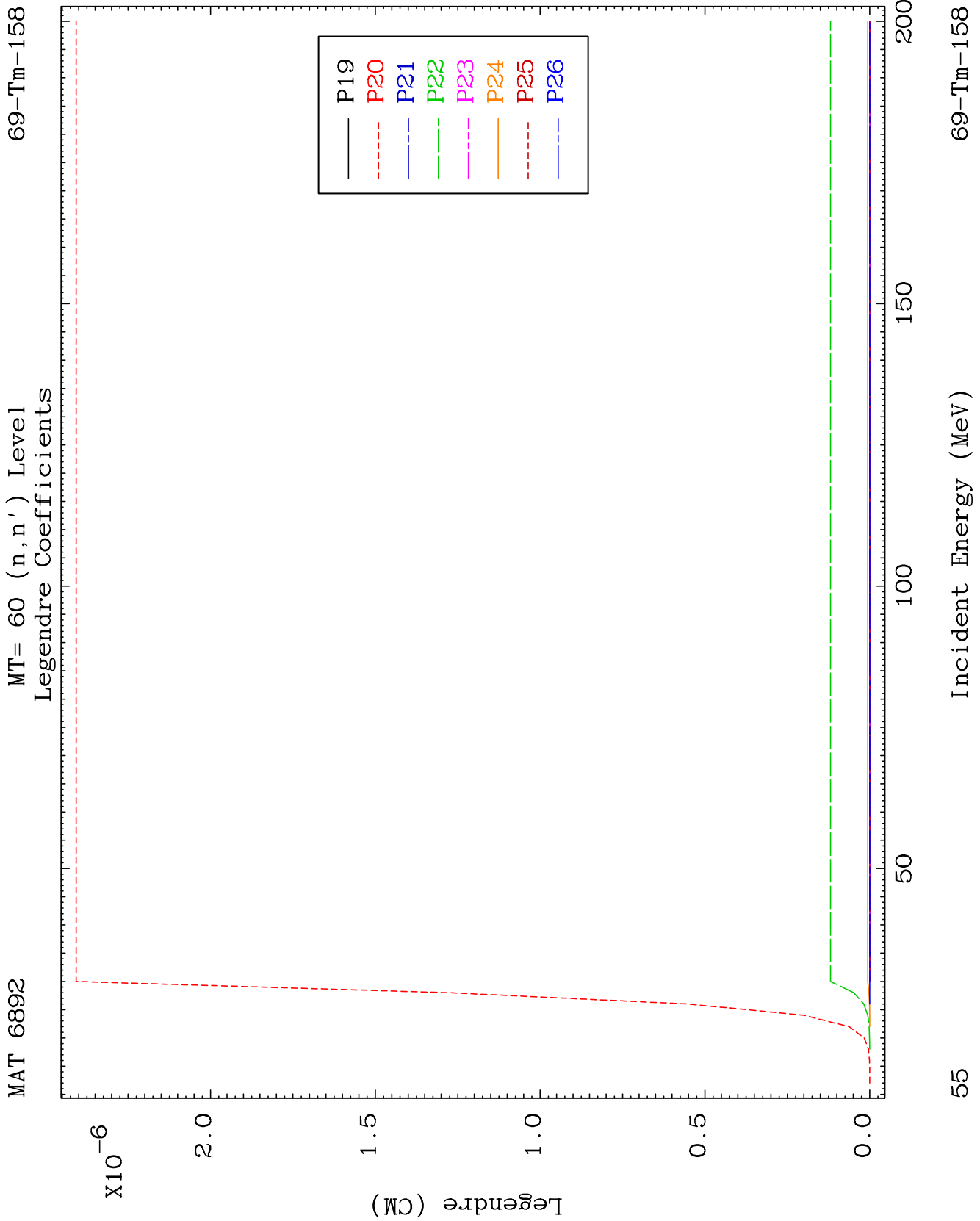
69-Tm-158



54

Incident Energy (MeV)

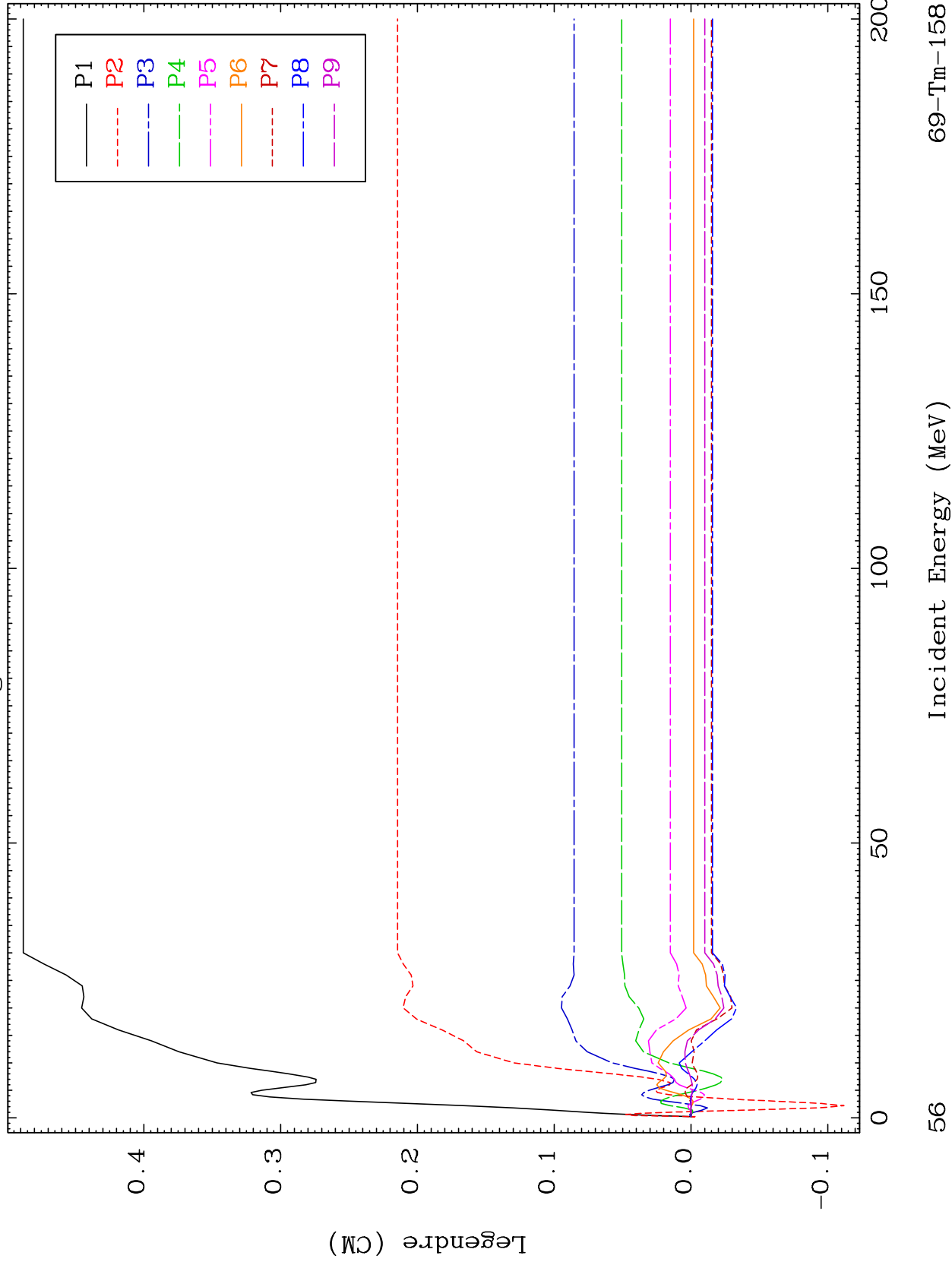
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

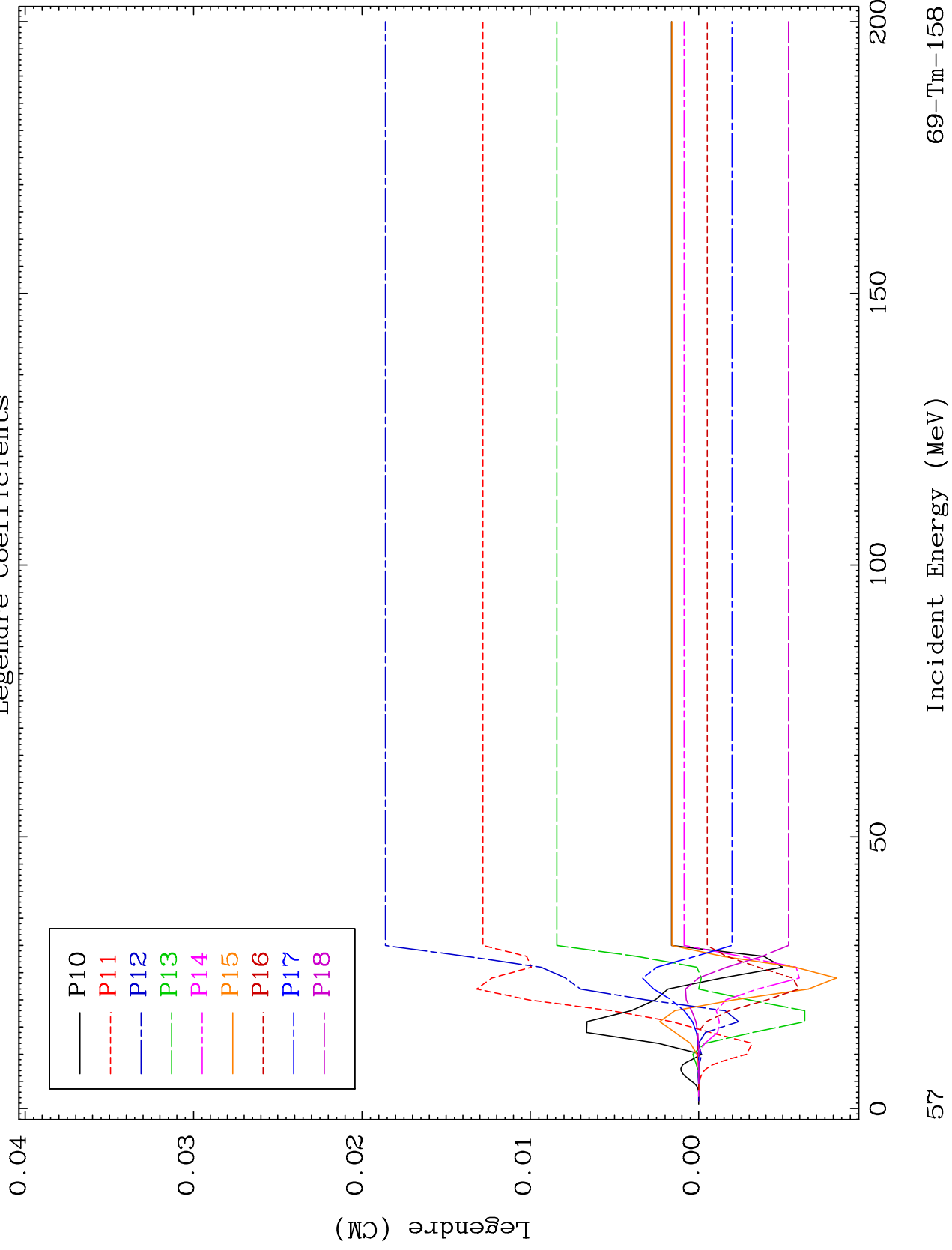
Incident Energy (MeV)

56

MAT 6892

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

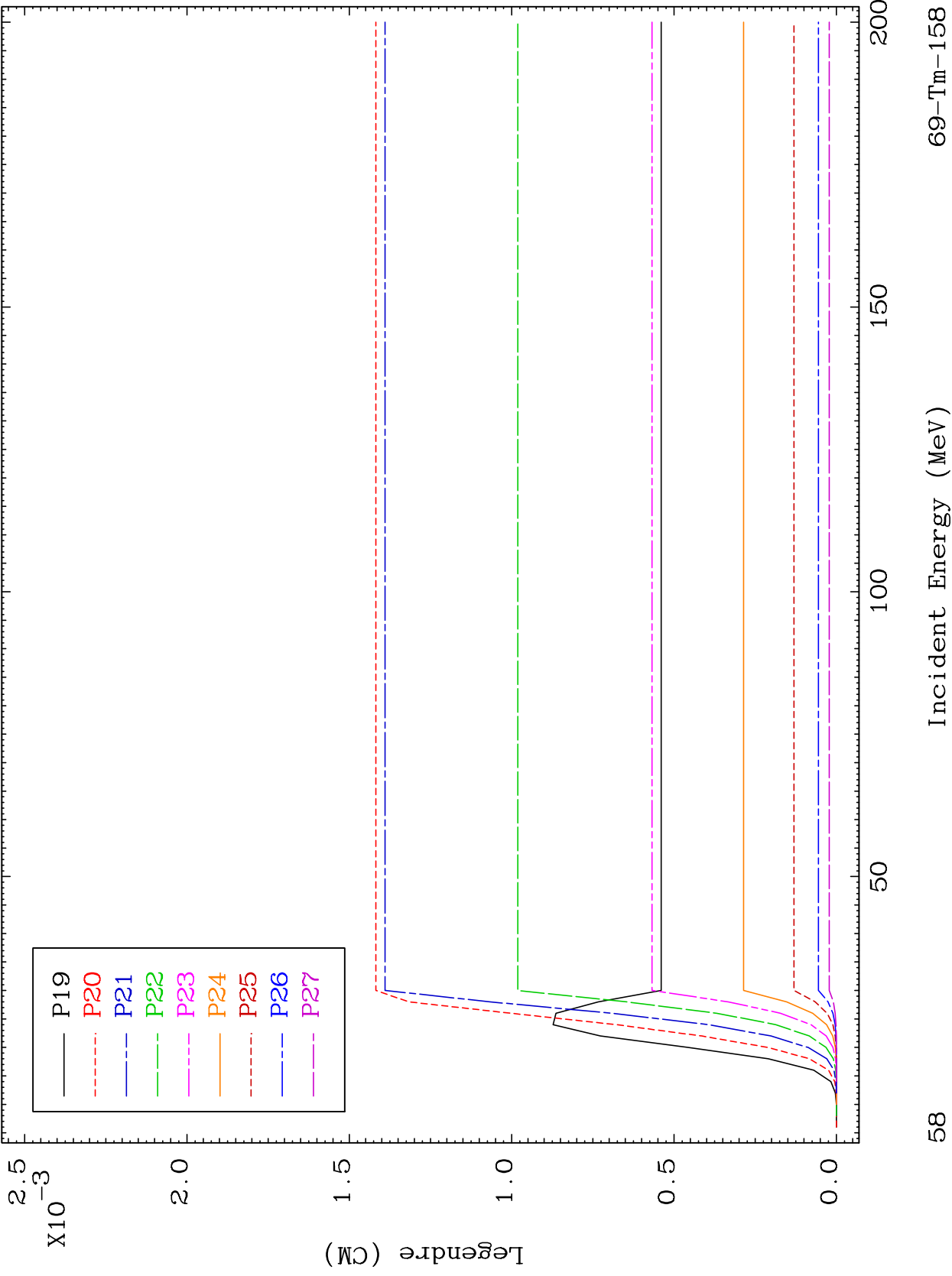
69-Tm-158



57

Incident Energy (MeV)

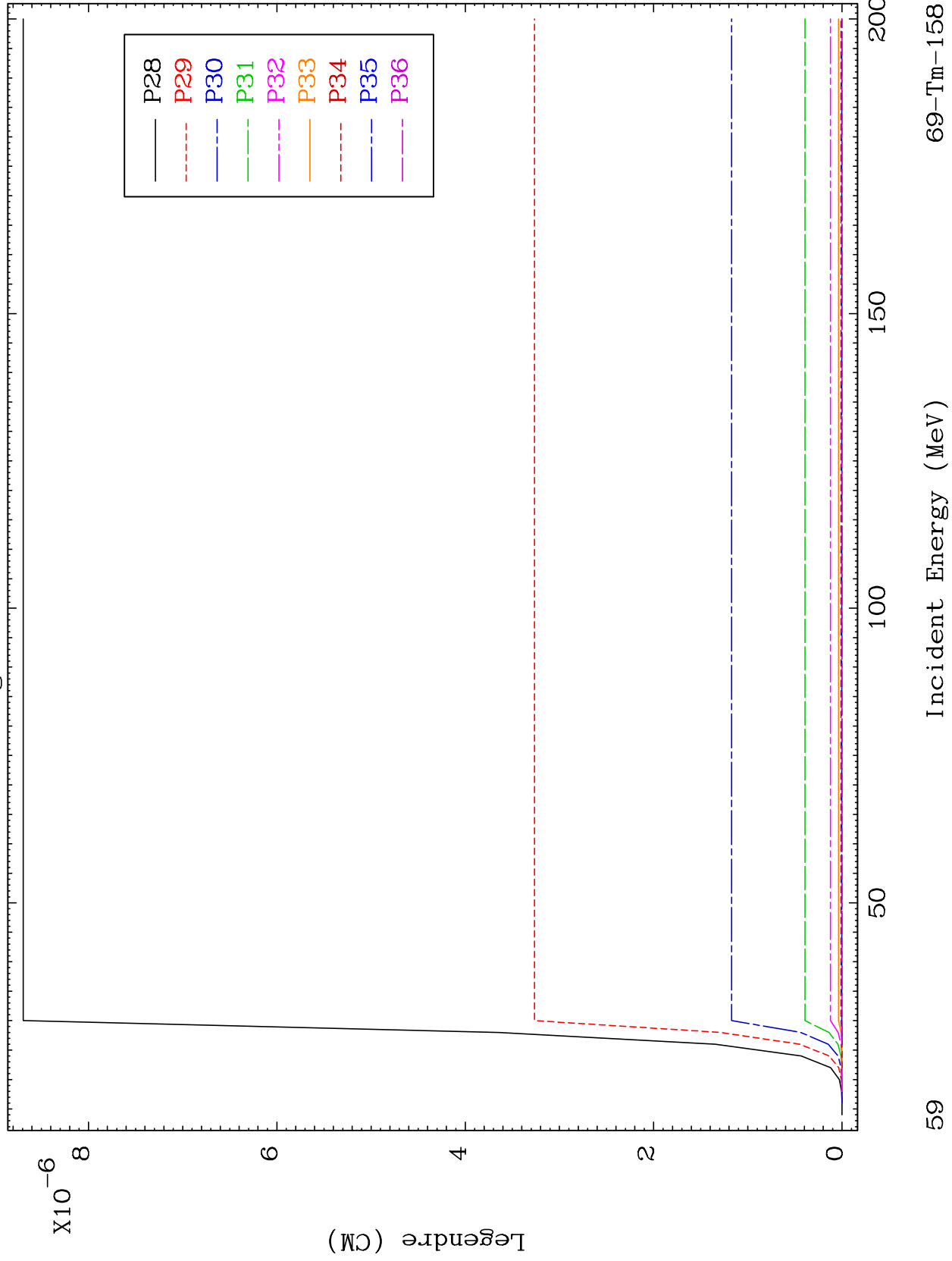
69-Tm-158



MAT 6892

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

69-Tm-158



59

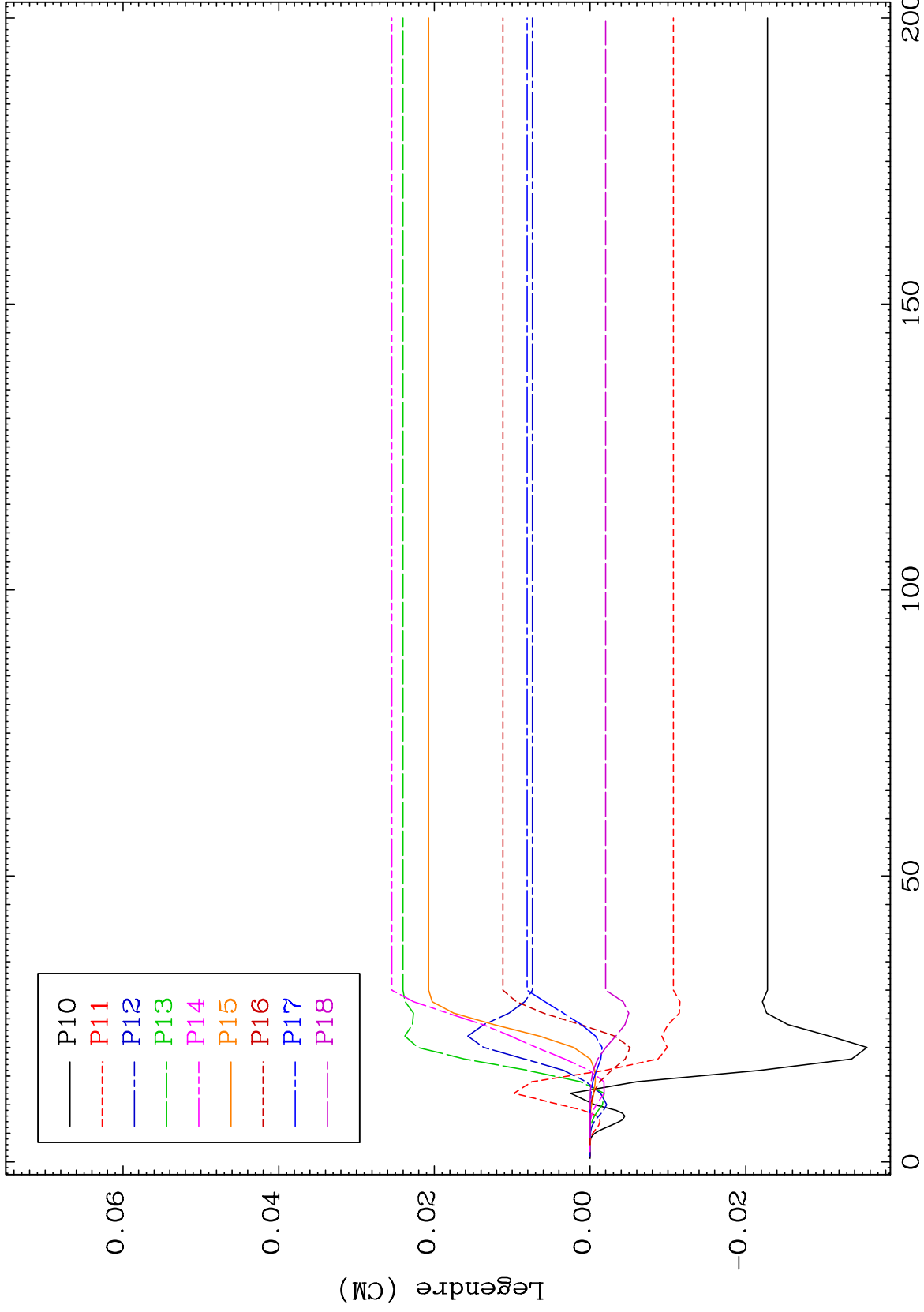
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



61

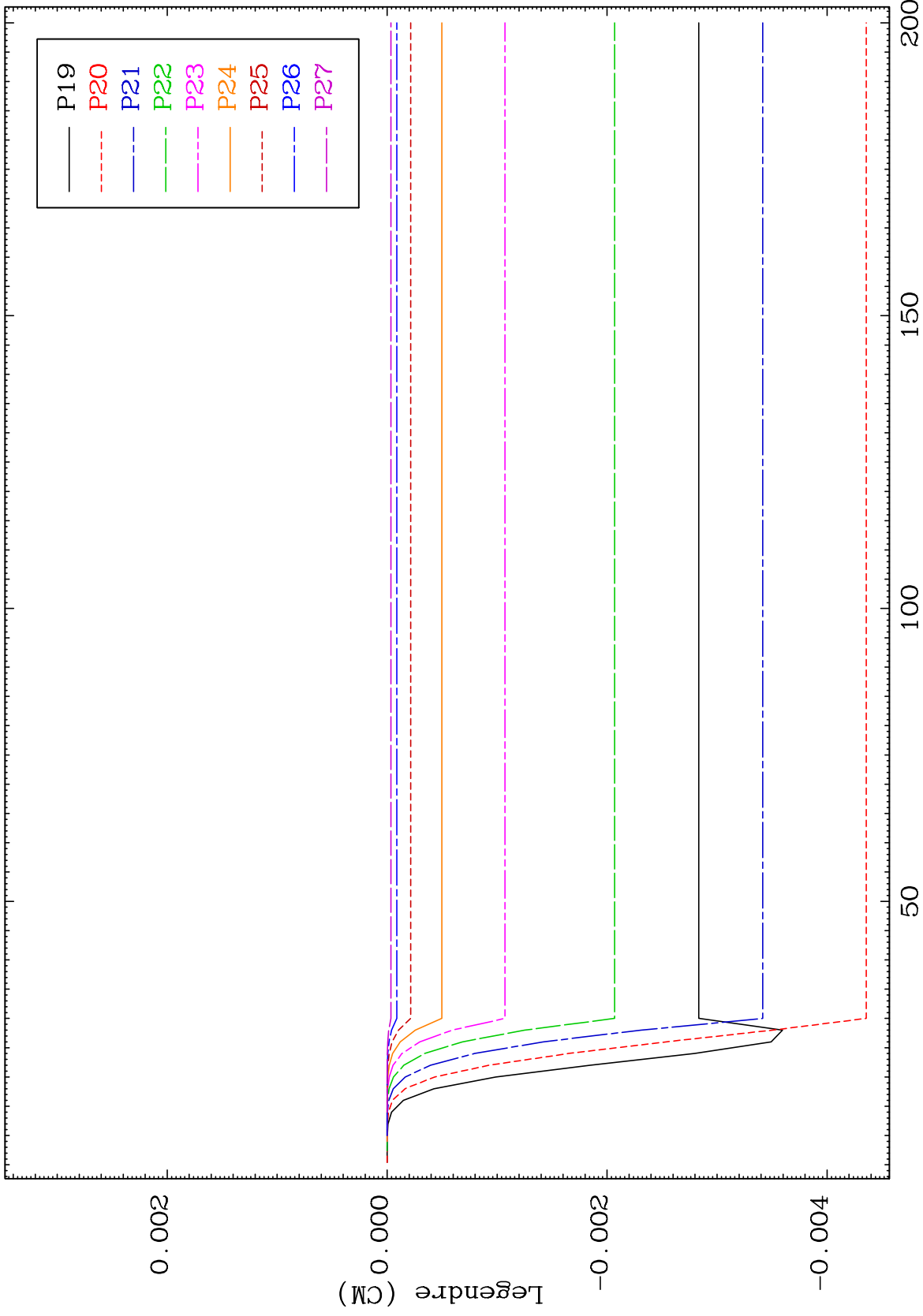
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

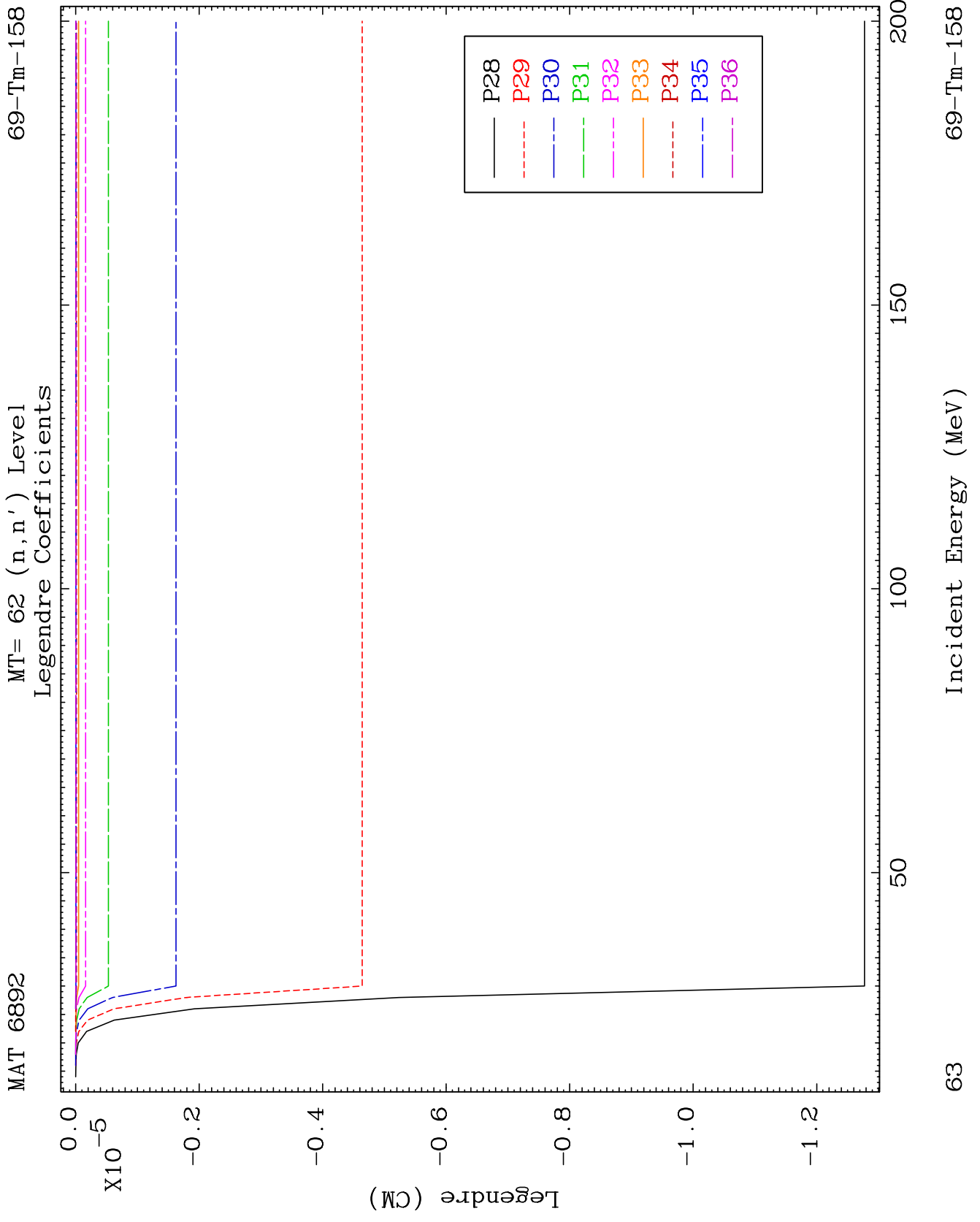
69-Tm-158



62

Incident Energy (MeV)

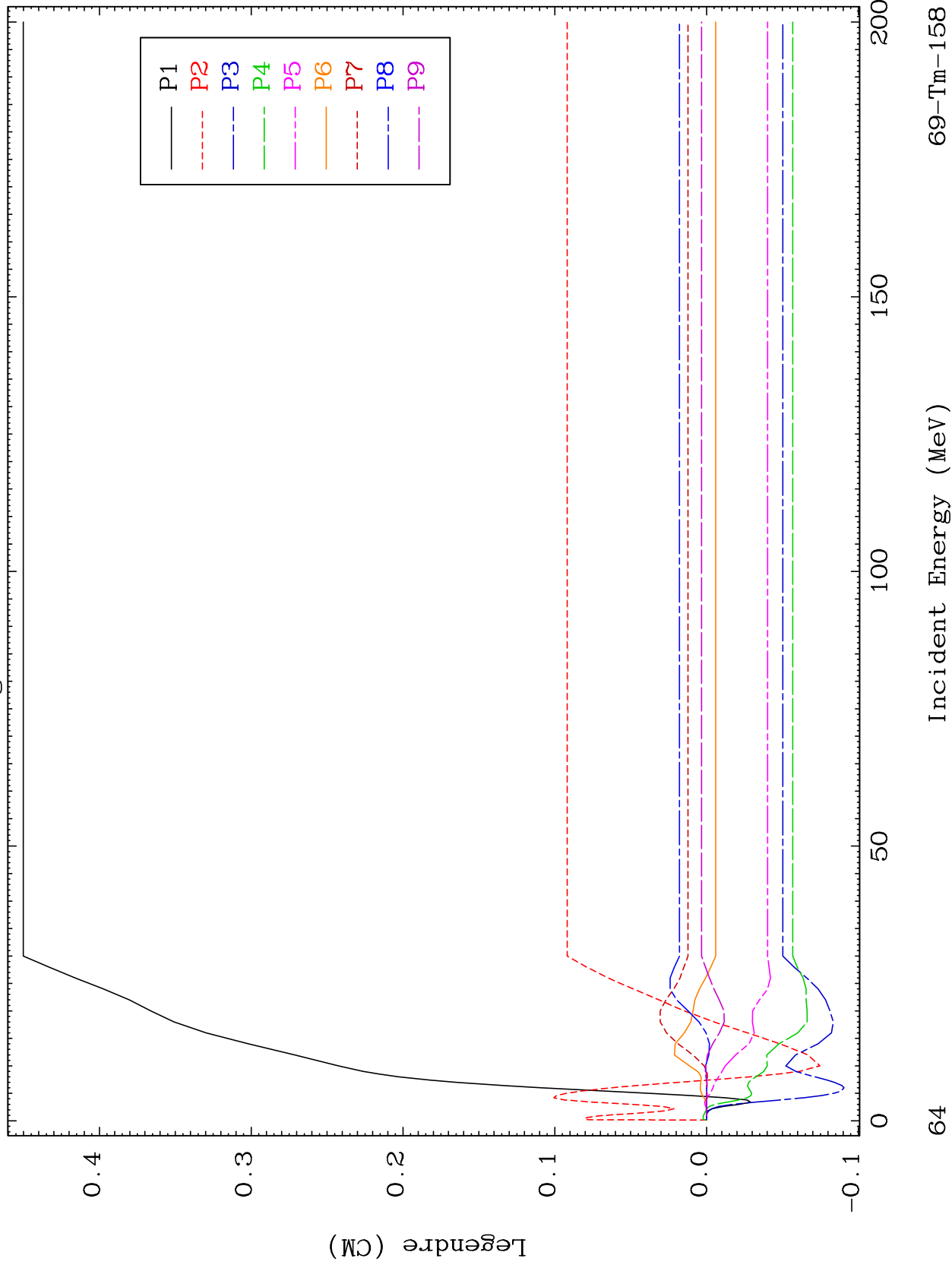
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

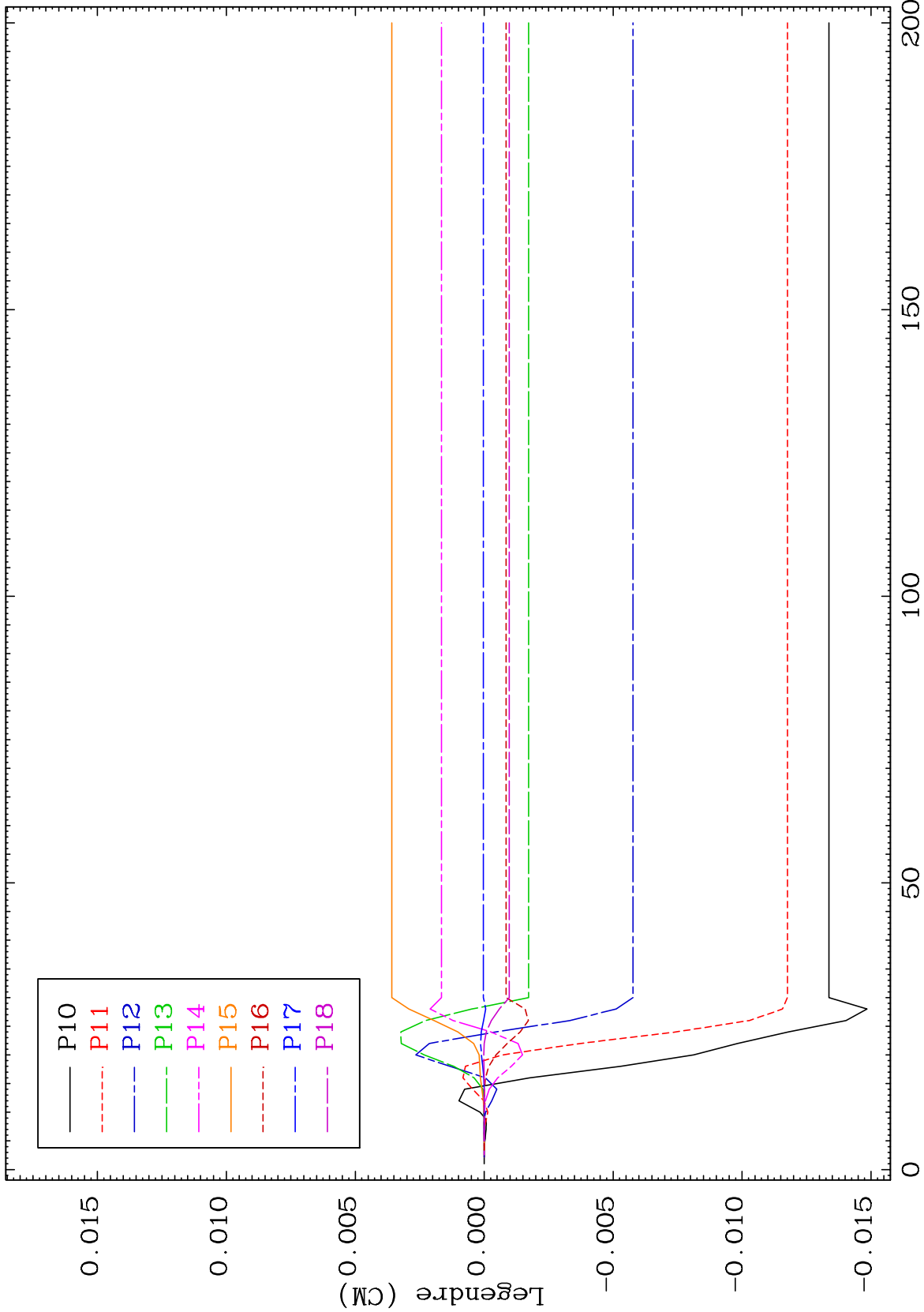
Incident Energy (MeV)

64

MAT 6892

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

69-Tm-158



65

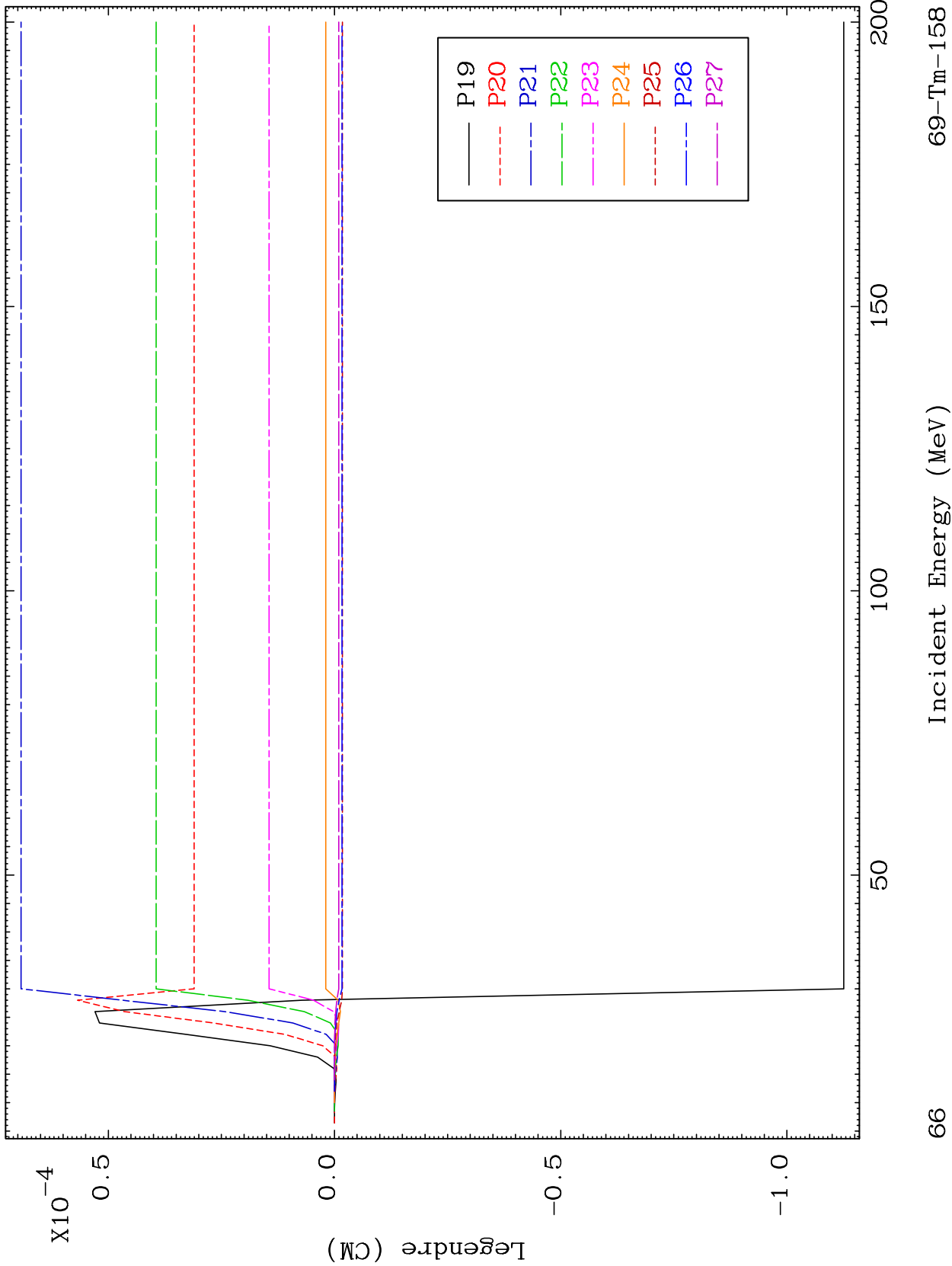
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

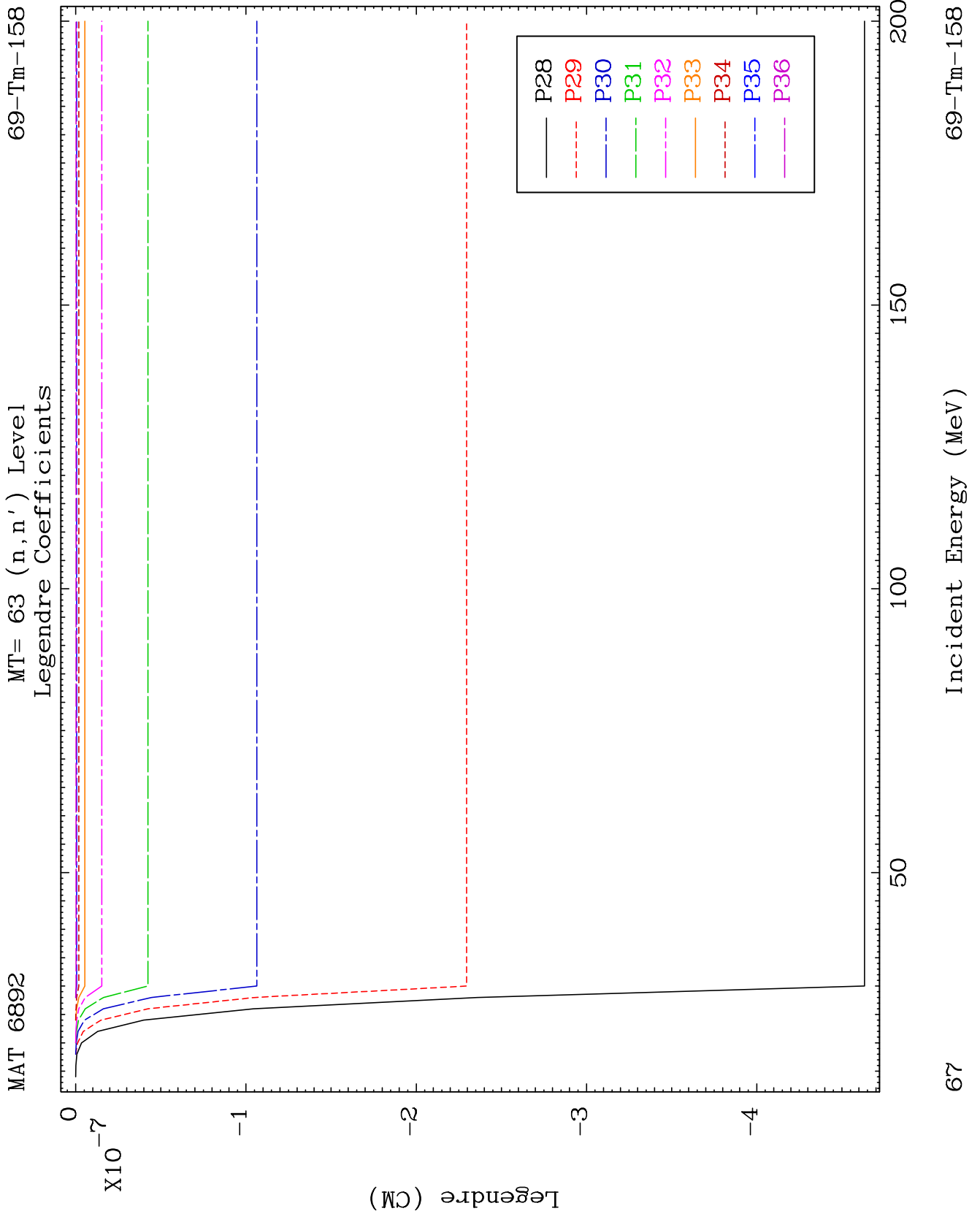
69-Tm-158

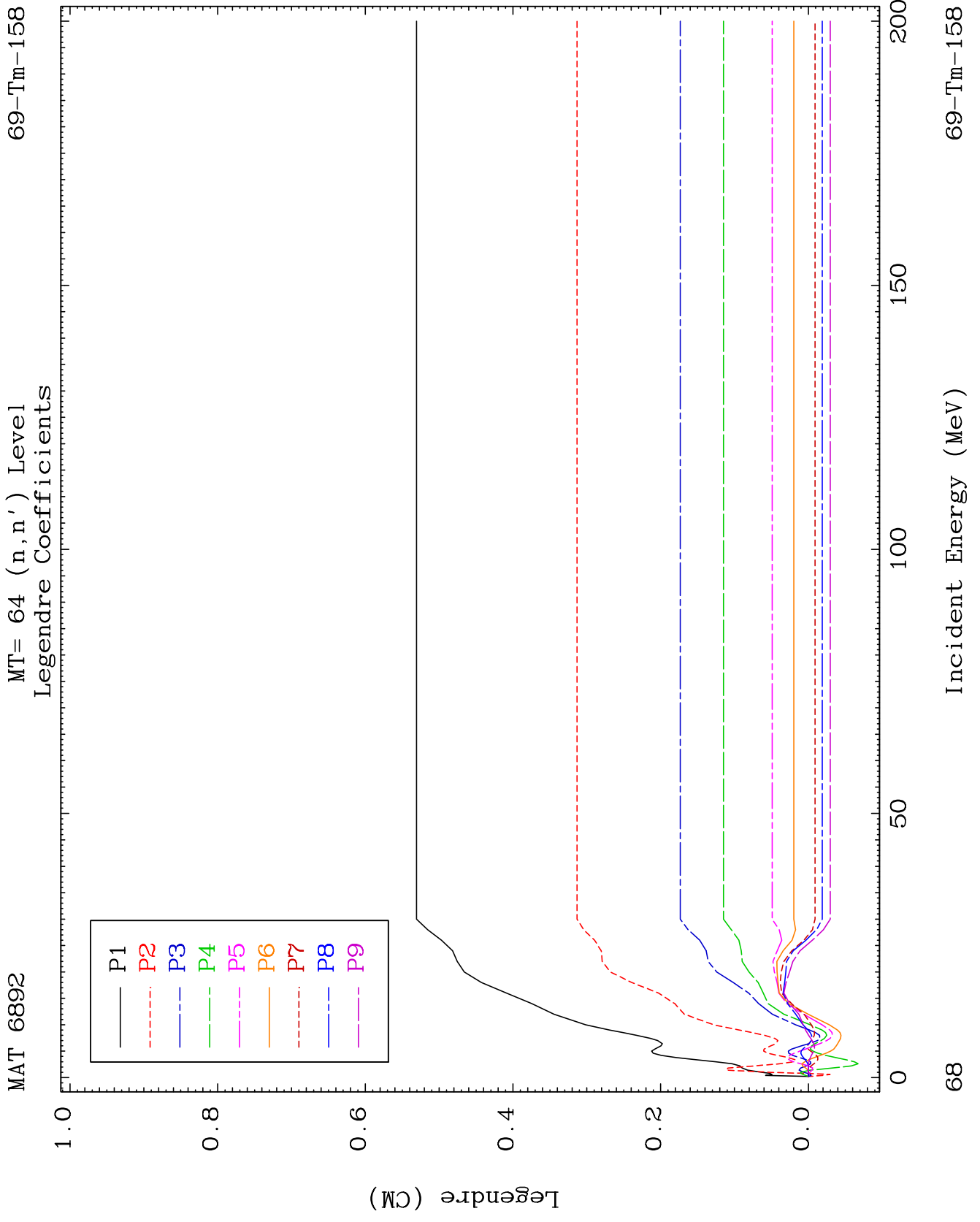


66

Incident Energy (MeV)

69-Tm-158

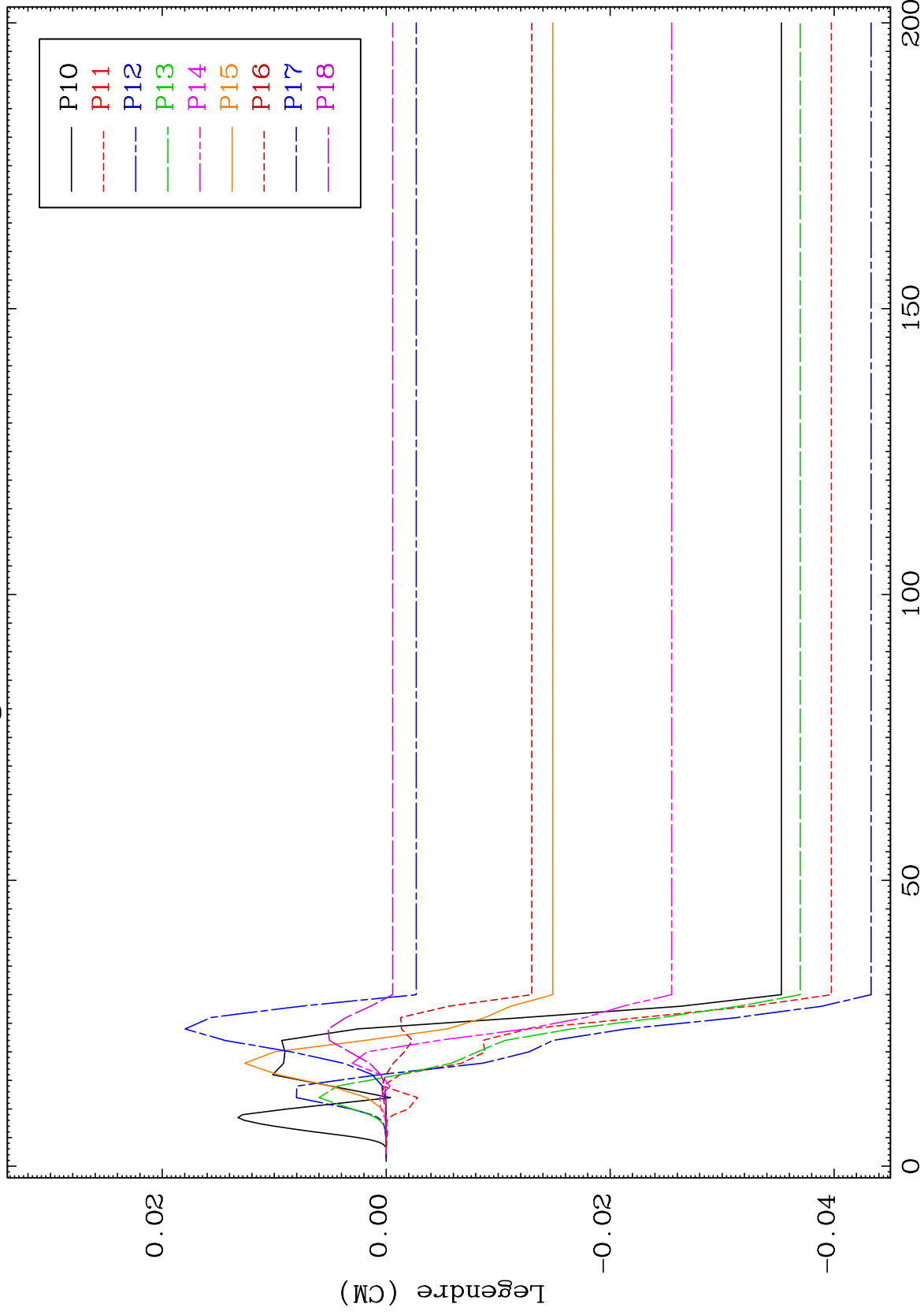




MAT 6892

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

69-Tm-158



69

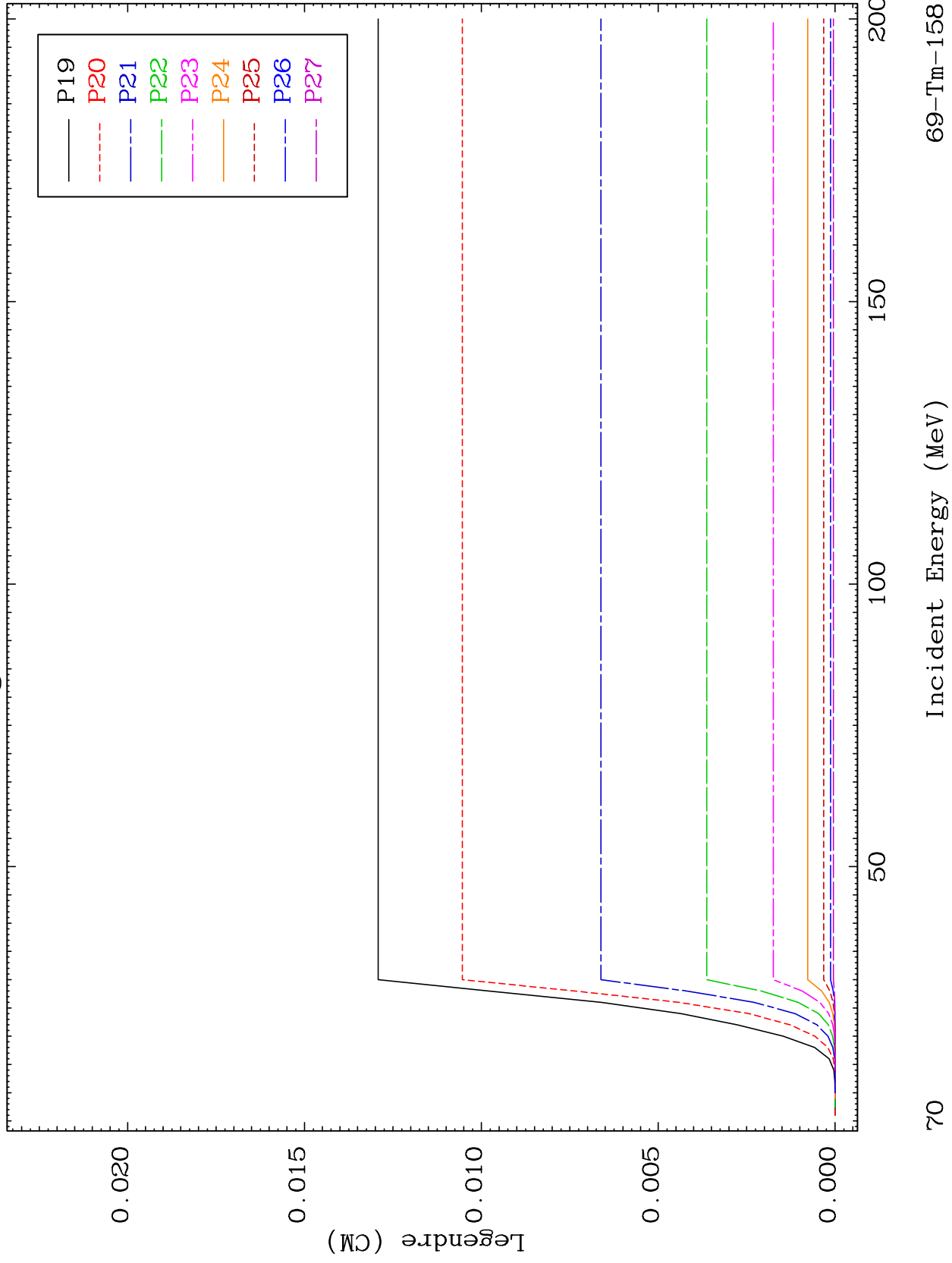
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

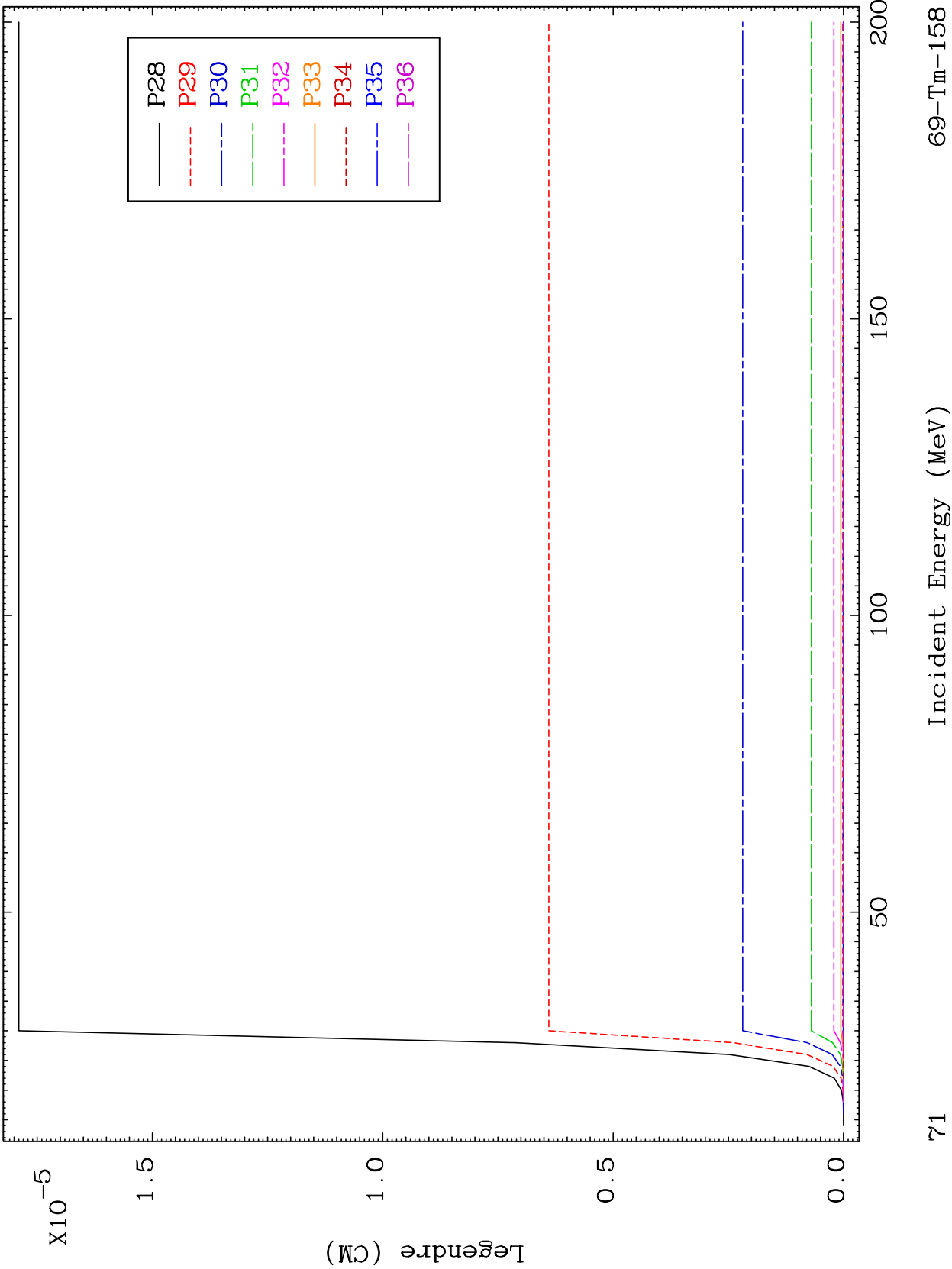


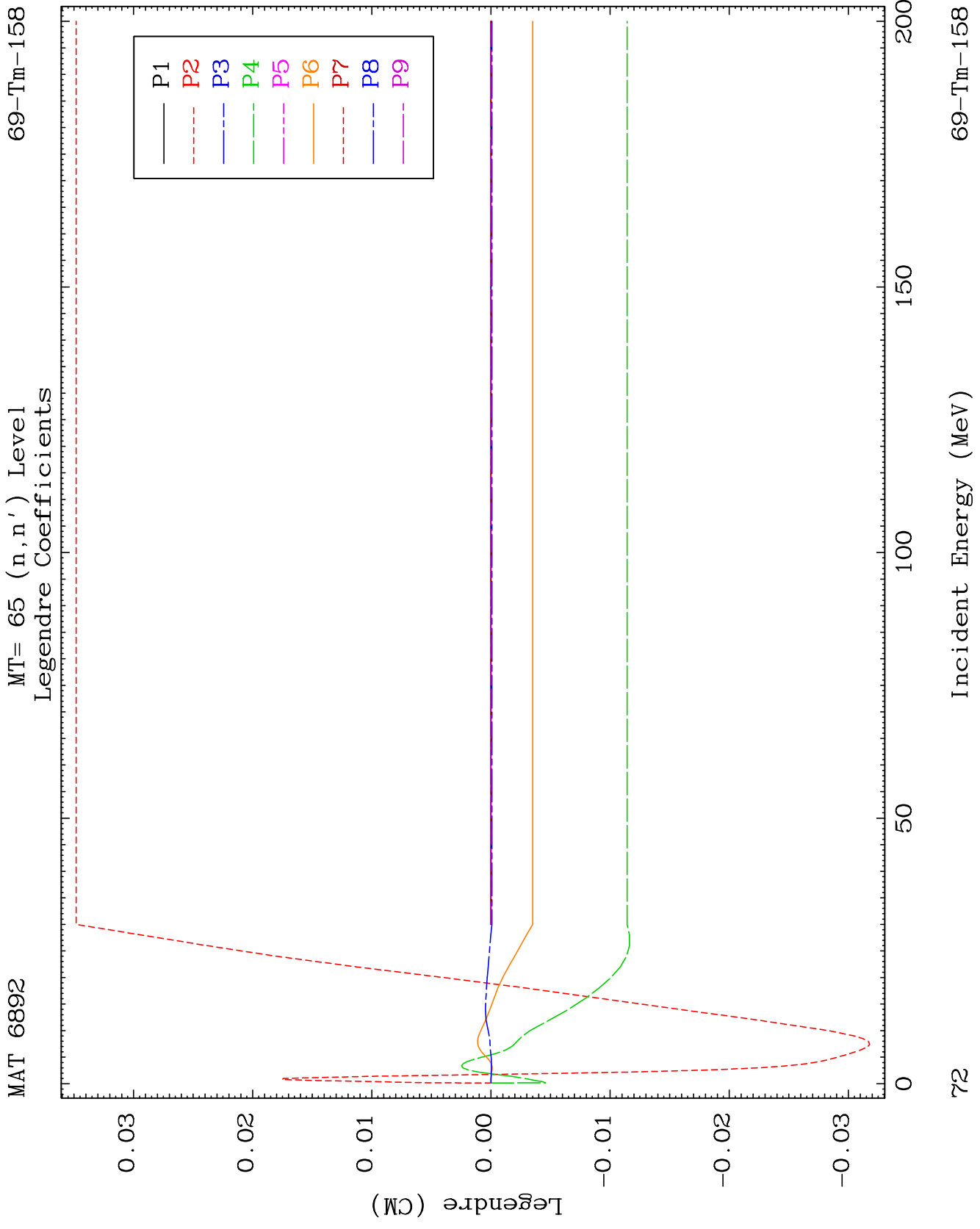
70

MAT 6892

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

69-Tm-158

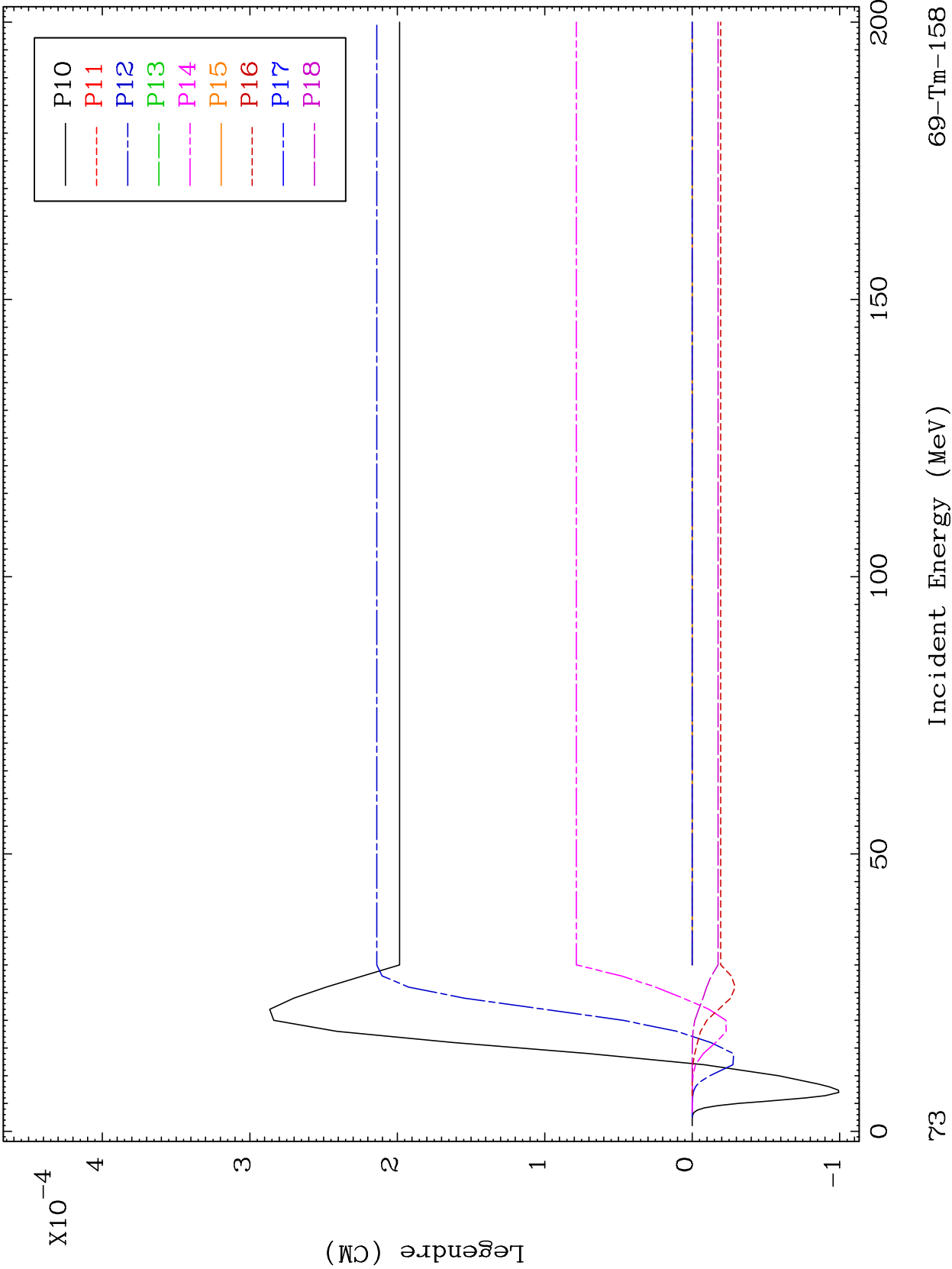


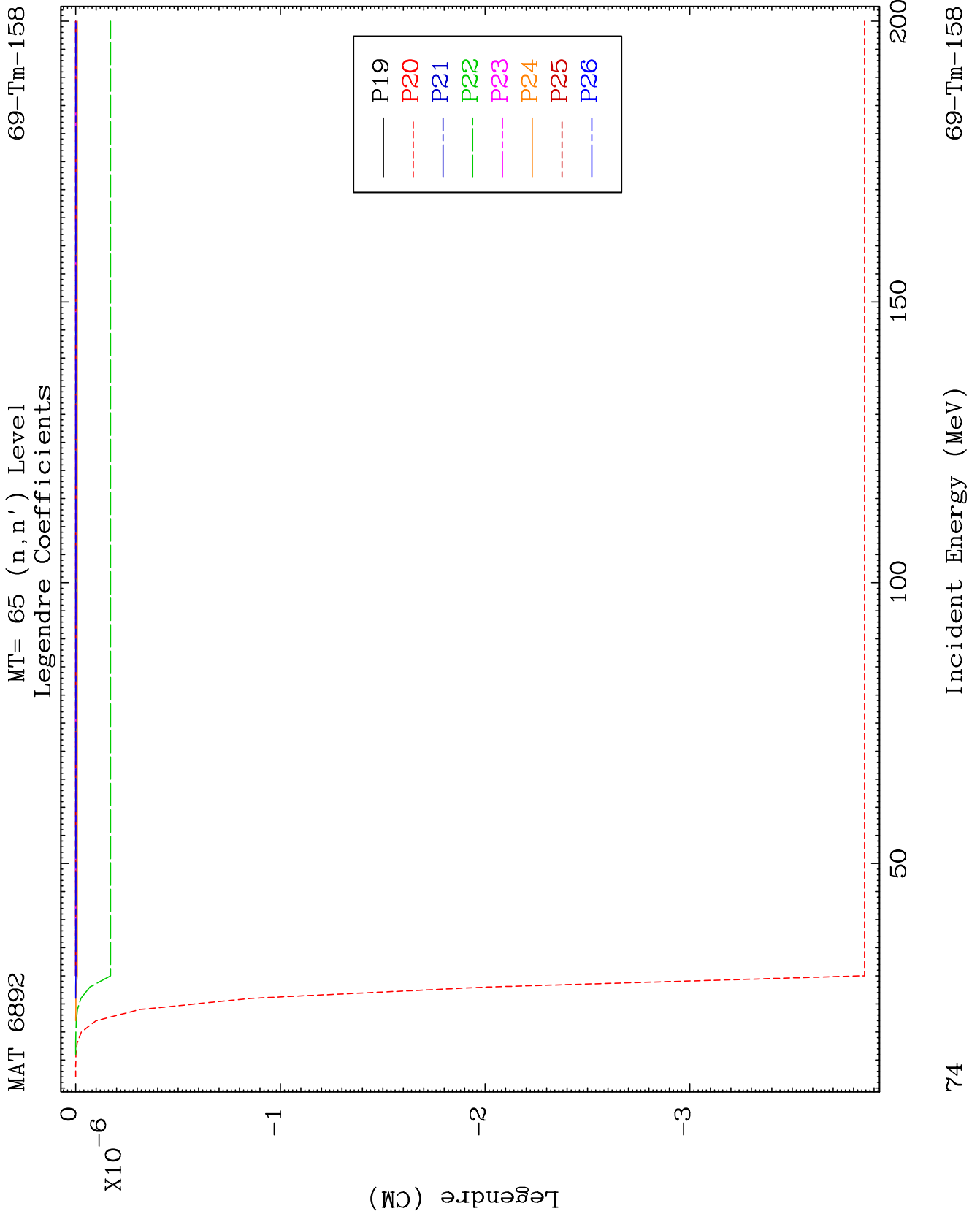


MAT 6892

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

69-Tm-158

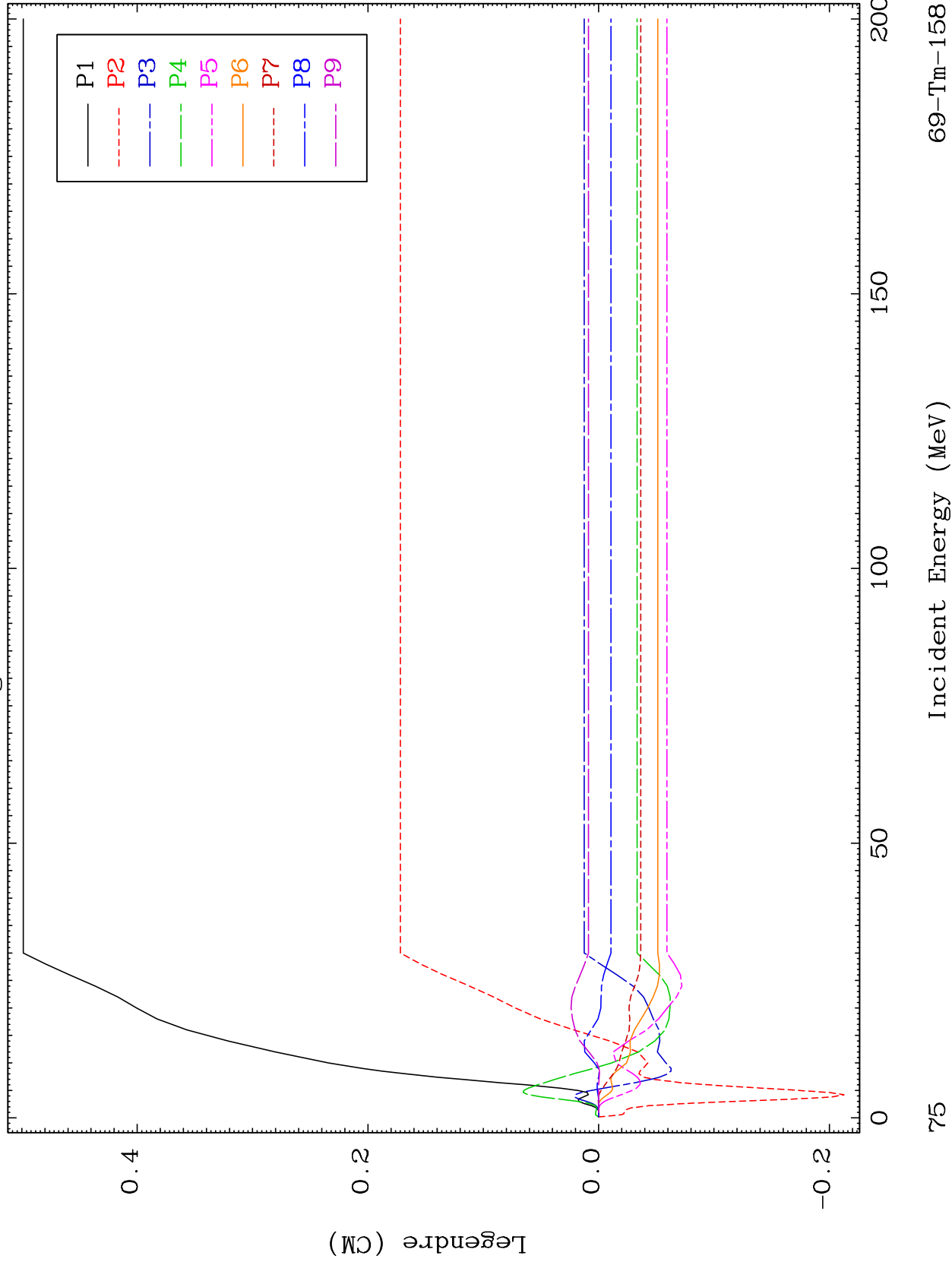




MAT 6892

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

69-Tm-158



69-Tm-158

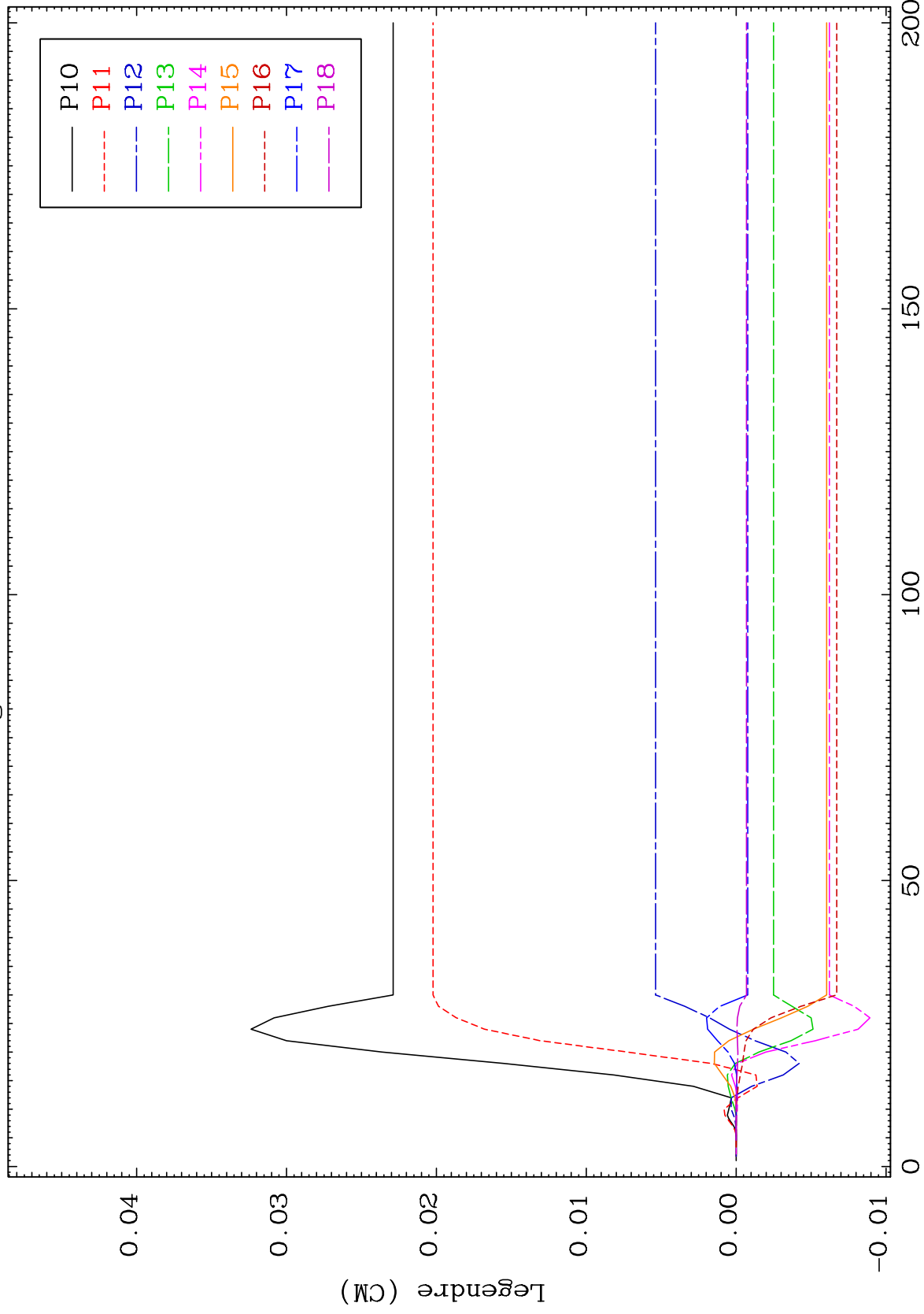
Incident Energy (MeV)

75

MAT 6892

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

69-Tm-158



76

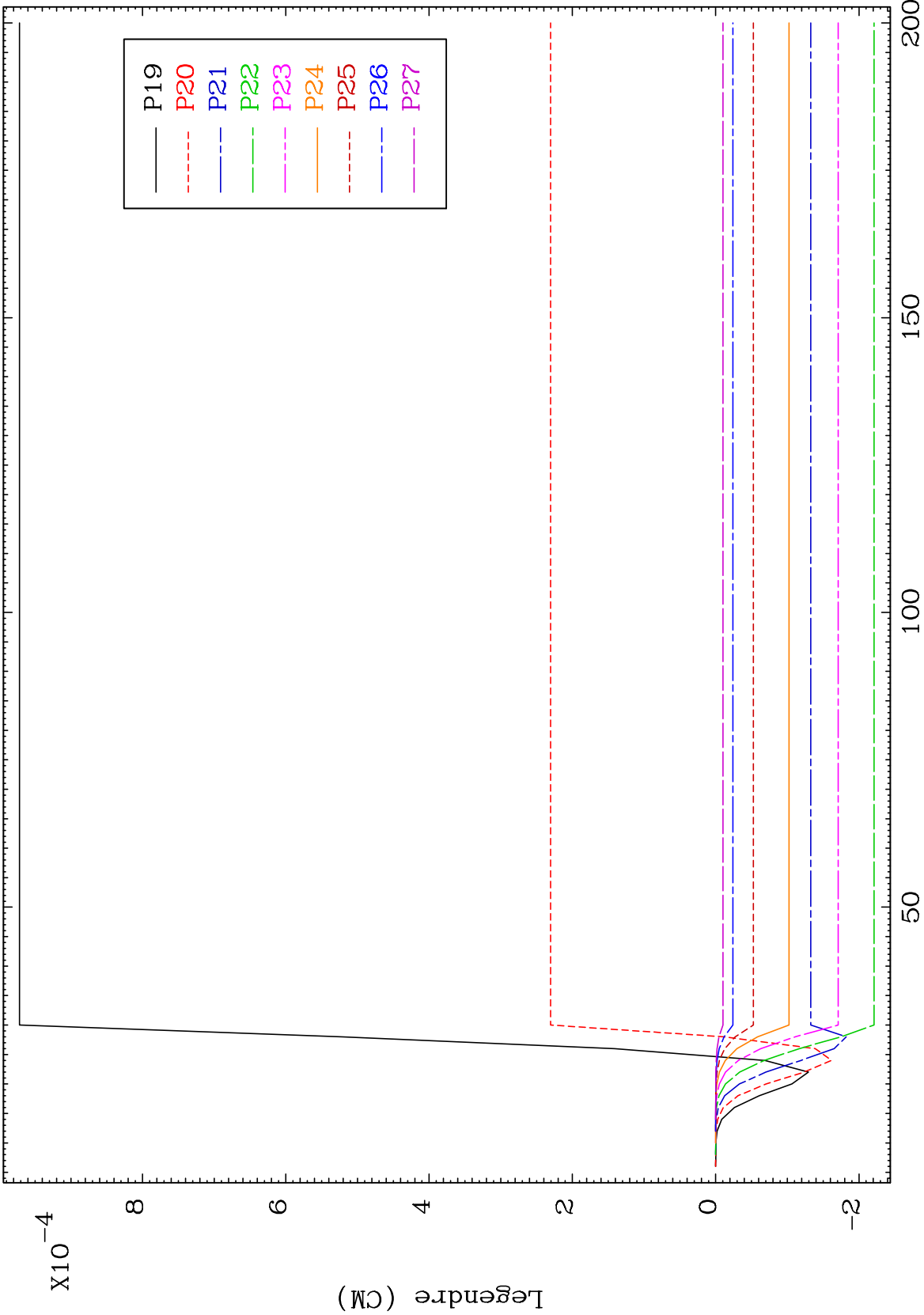
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

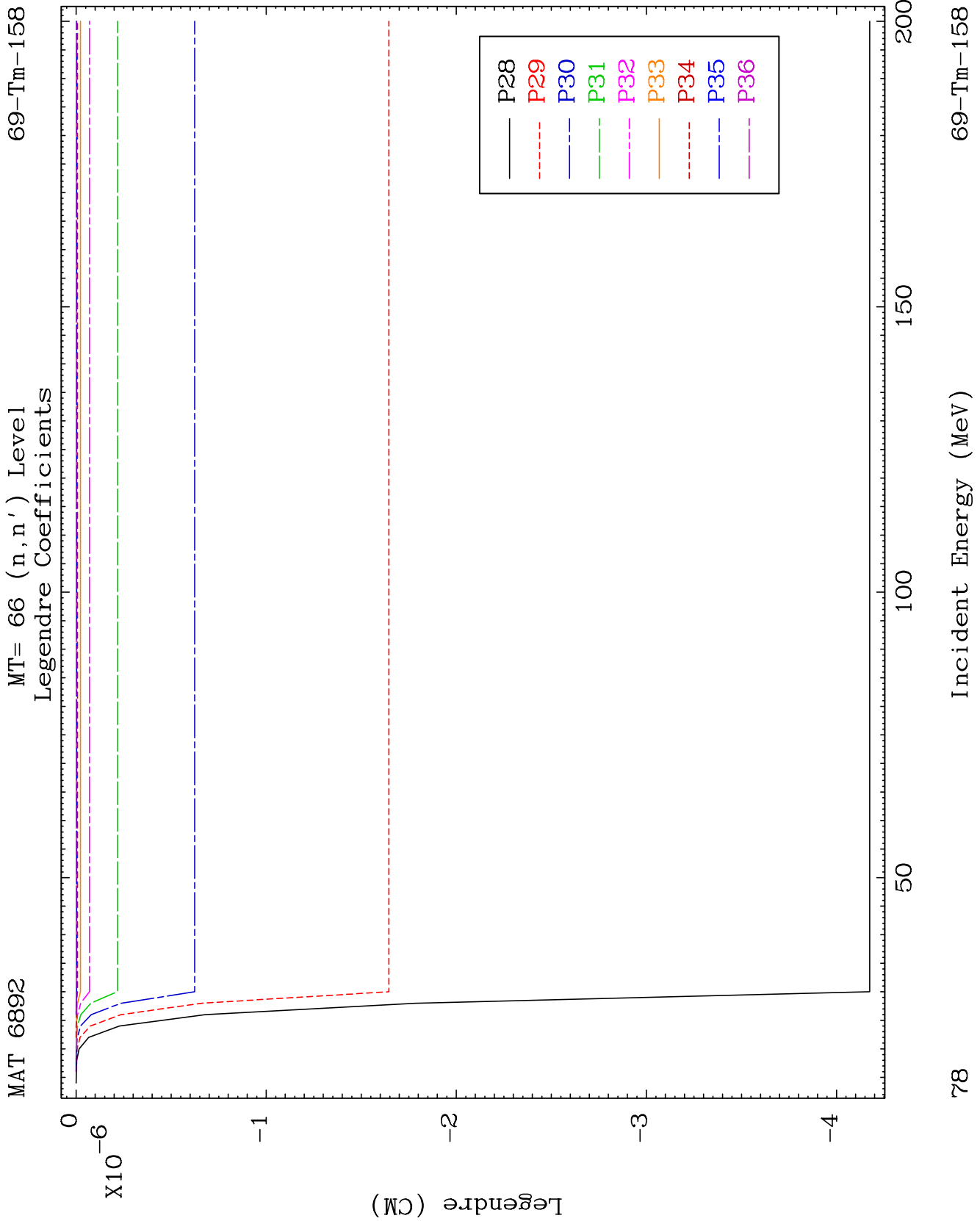
69-Tm-158

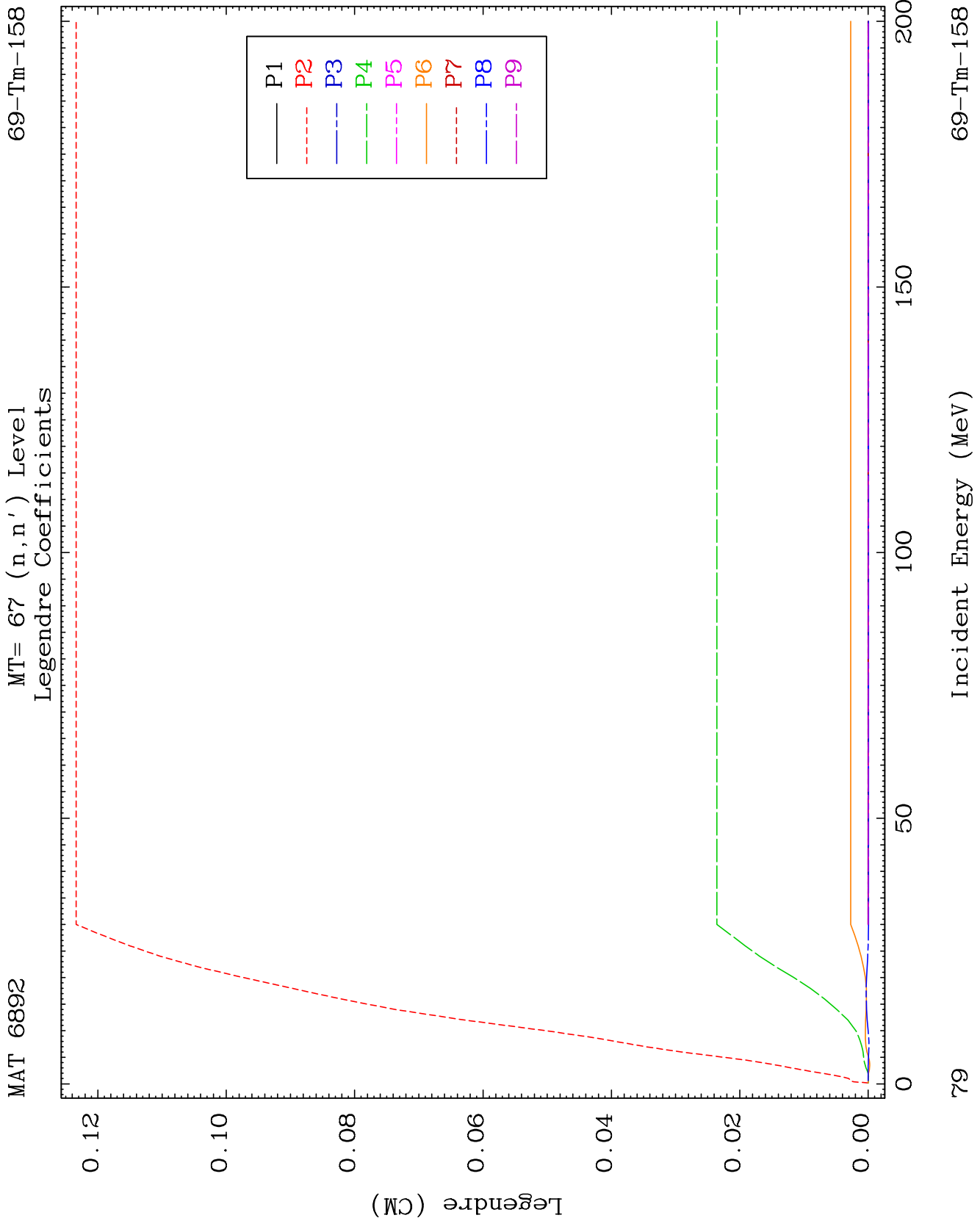


77

Incident Energy (MeV)

69-Tm-158

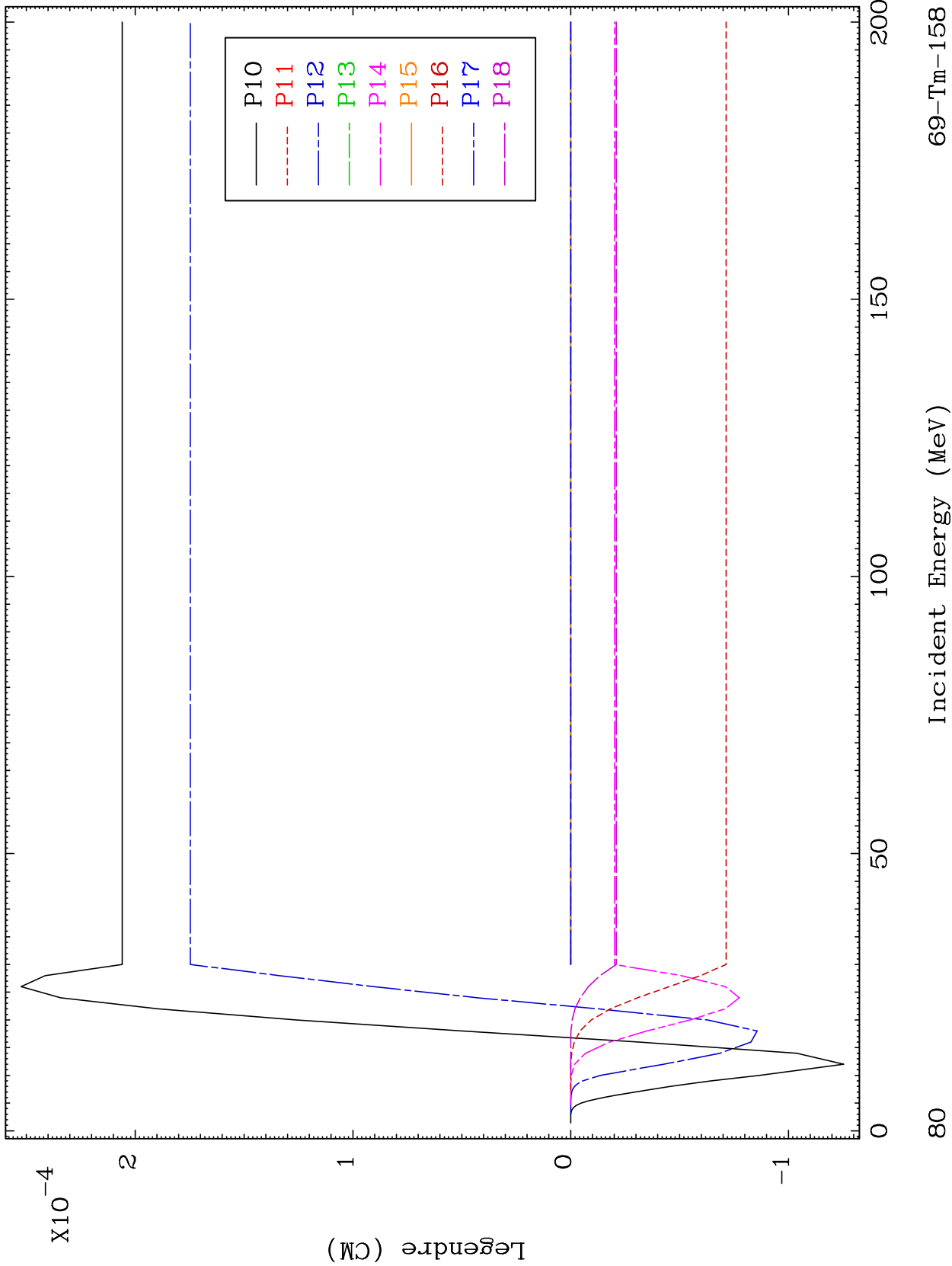




MAT 6892

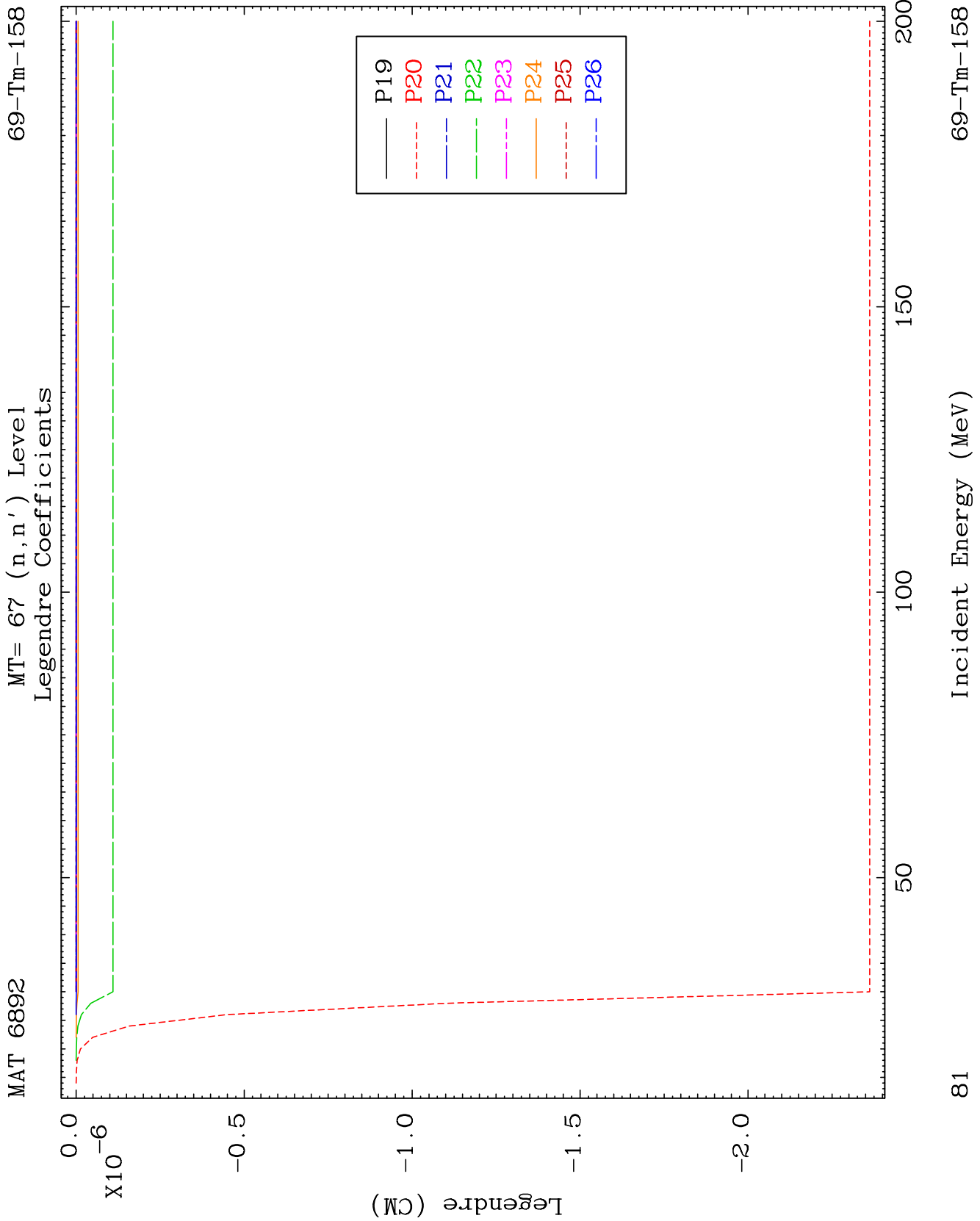
MT= 67 (n,n') Level
Legendre Coefficients

69-Tm-158



69-Tm-158

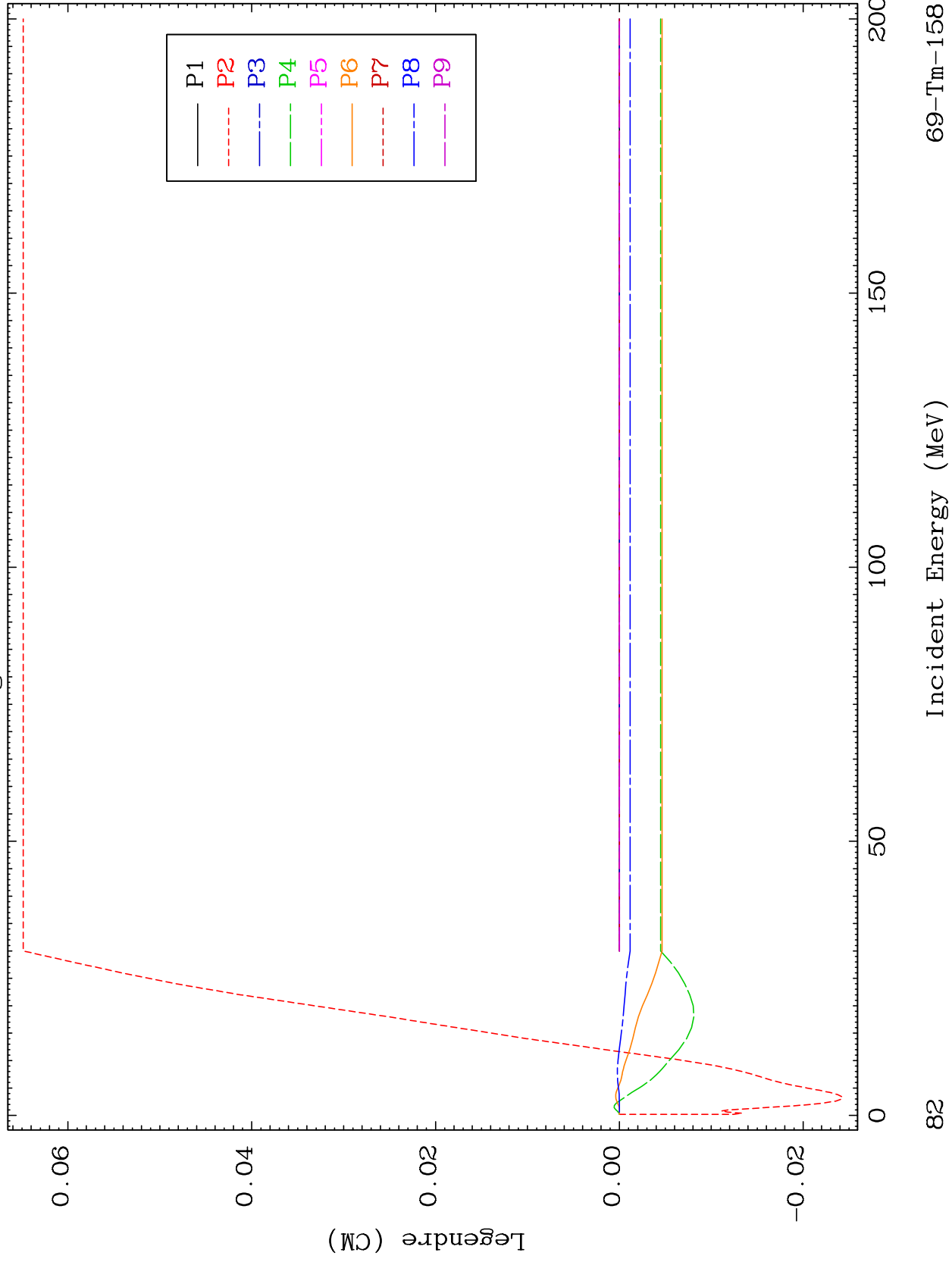
Incident Energy (MeV)



MAT 6892

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

69-Tm-158



69-Tm-158

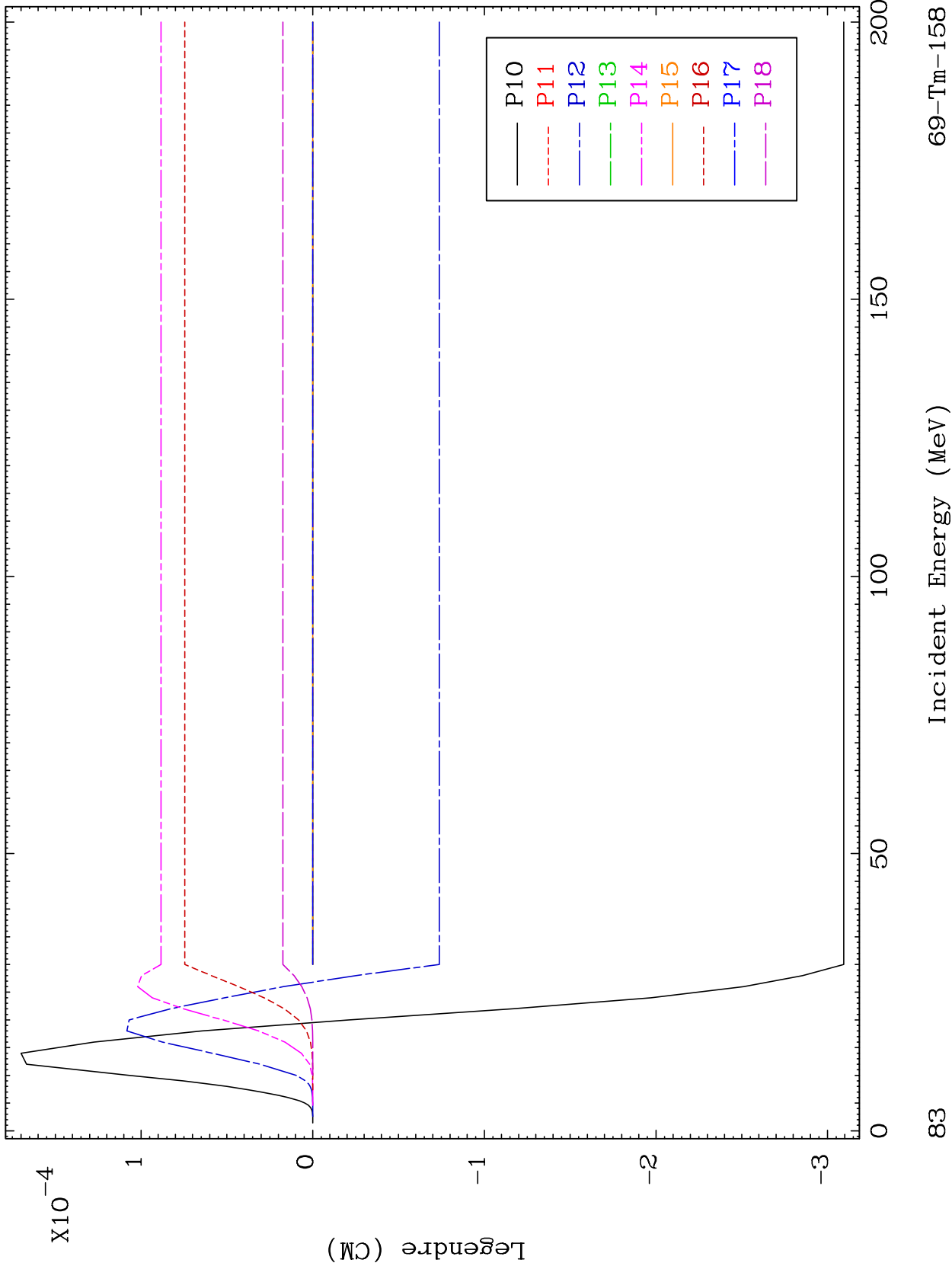
Incident Energy (MeV)

82

MAT 6892

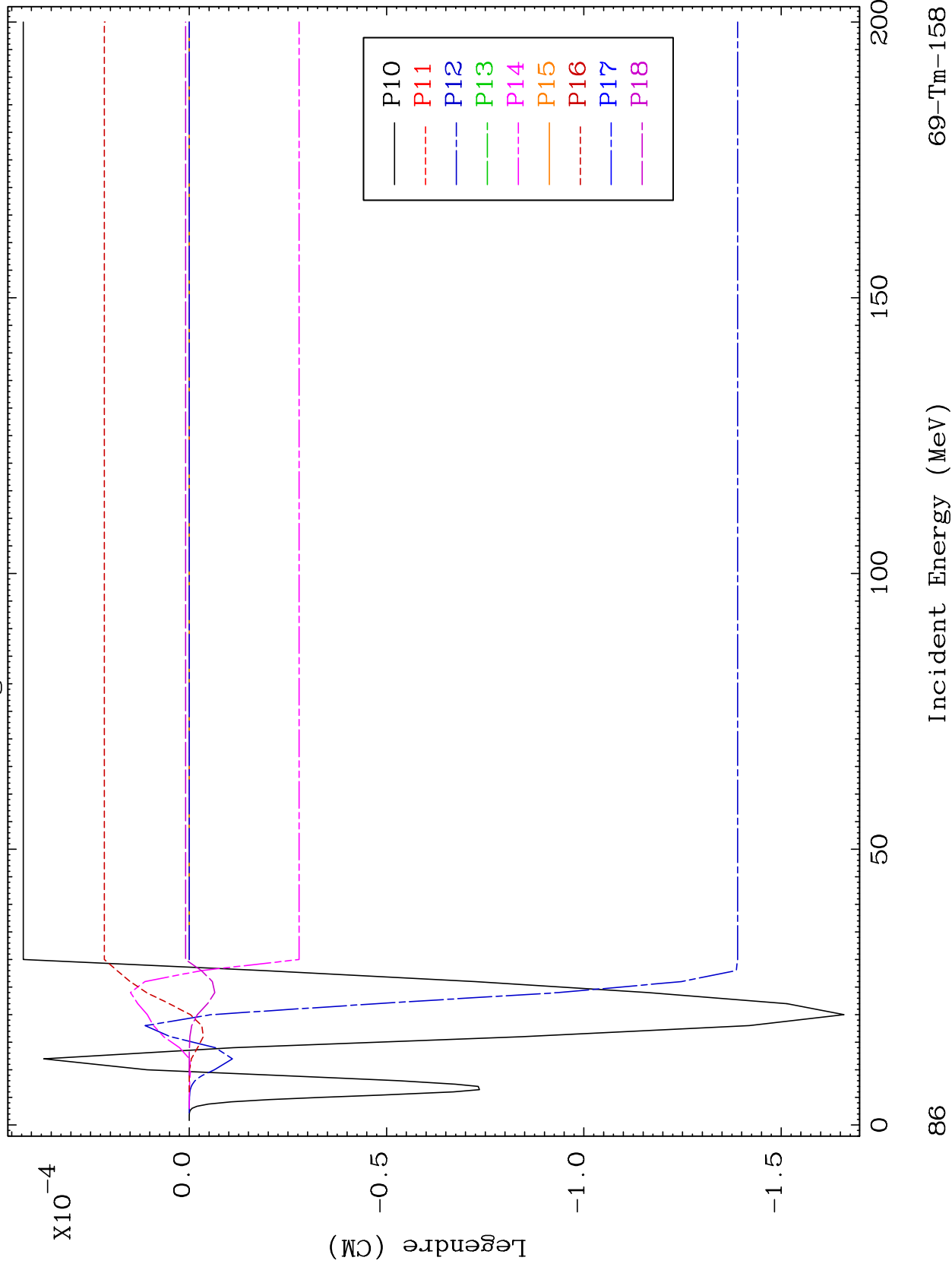
MT= 68 (n,n') Level
Legendre Coefficients

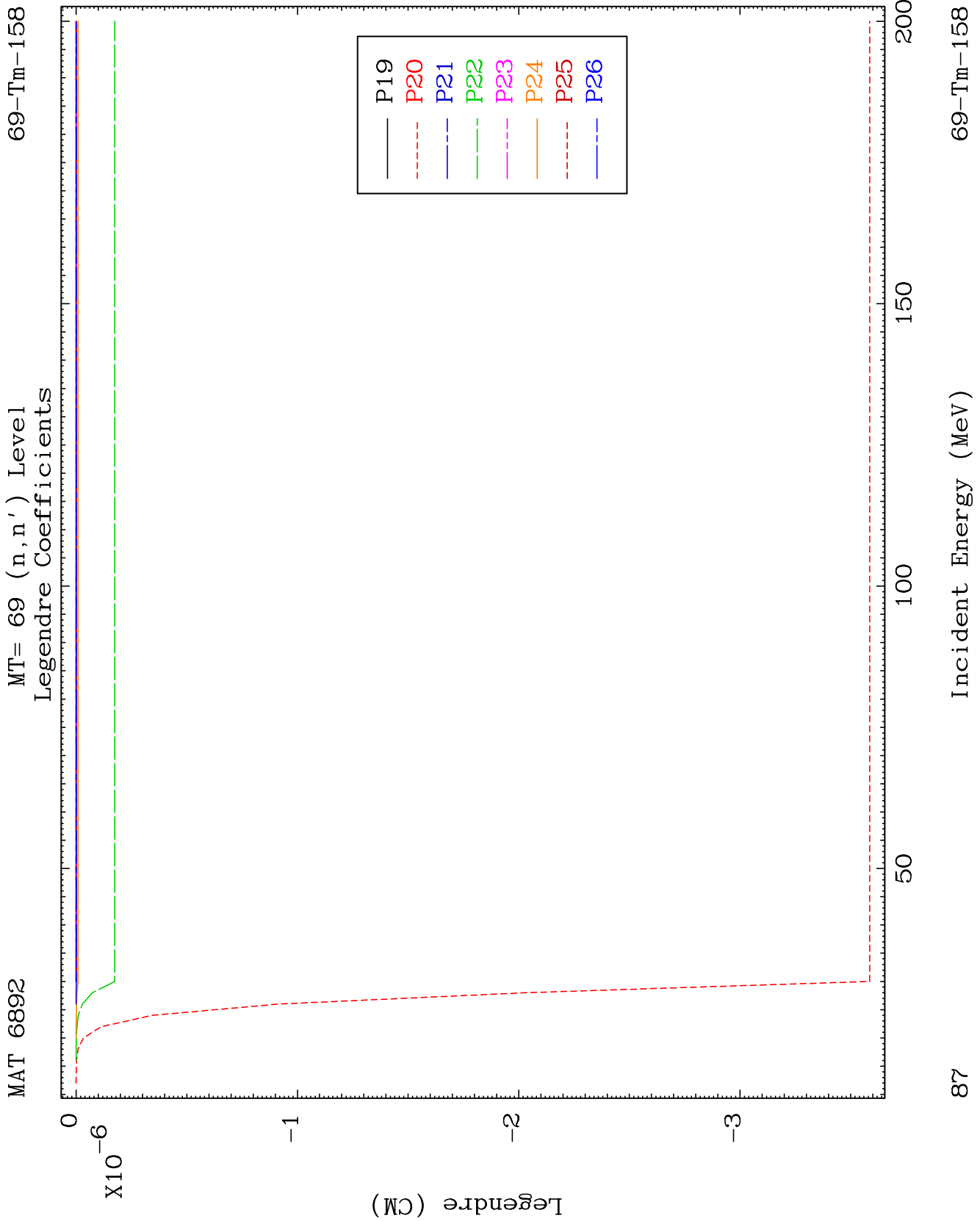
69-Tm-158



83

69-Tm-158

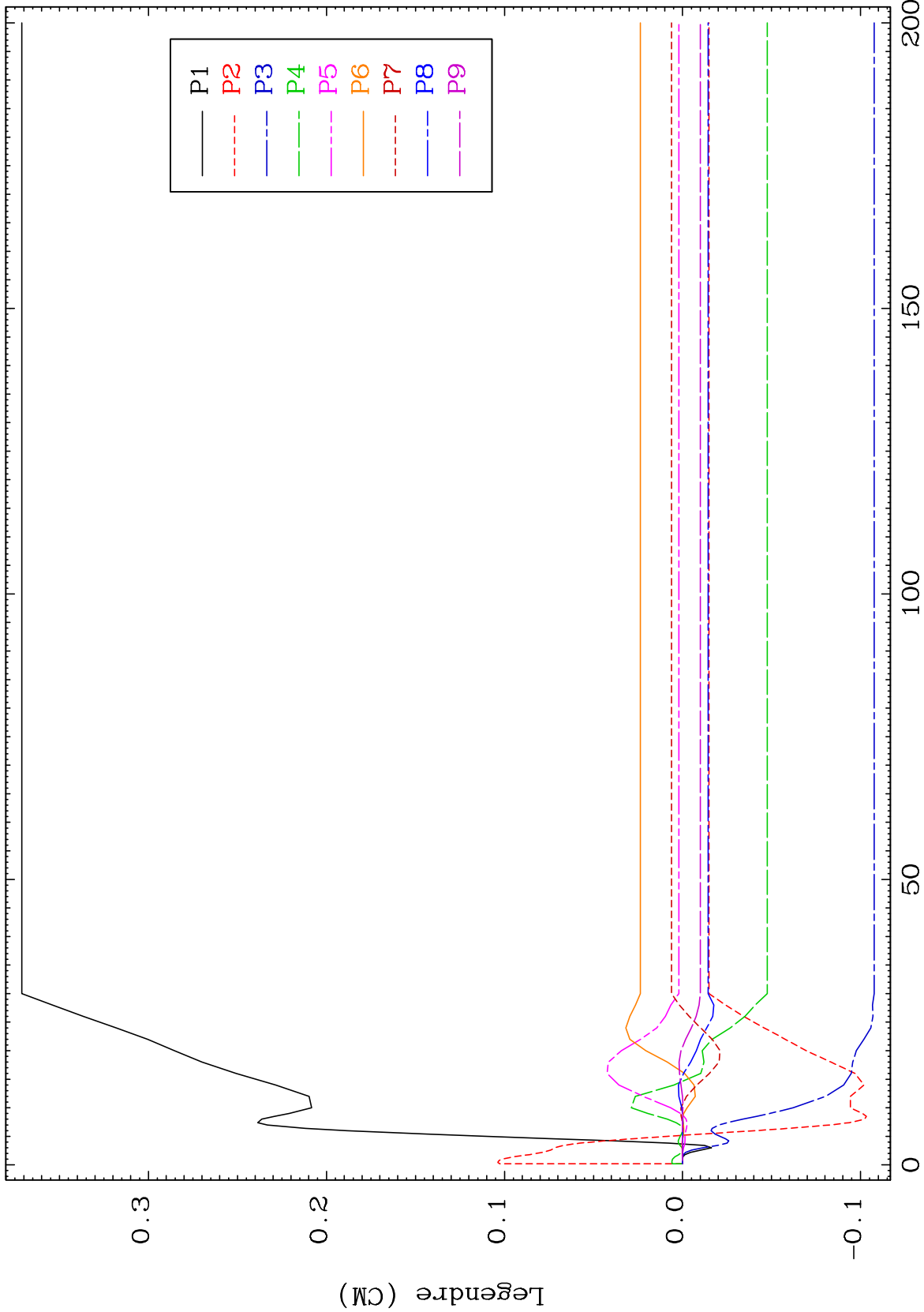




MAT 6892

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

69-Tm-158



88

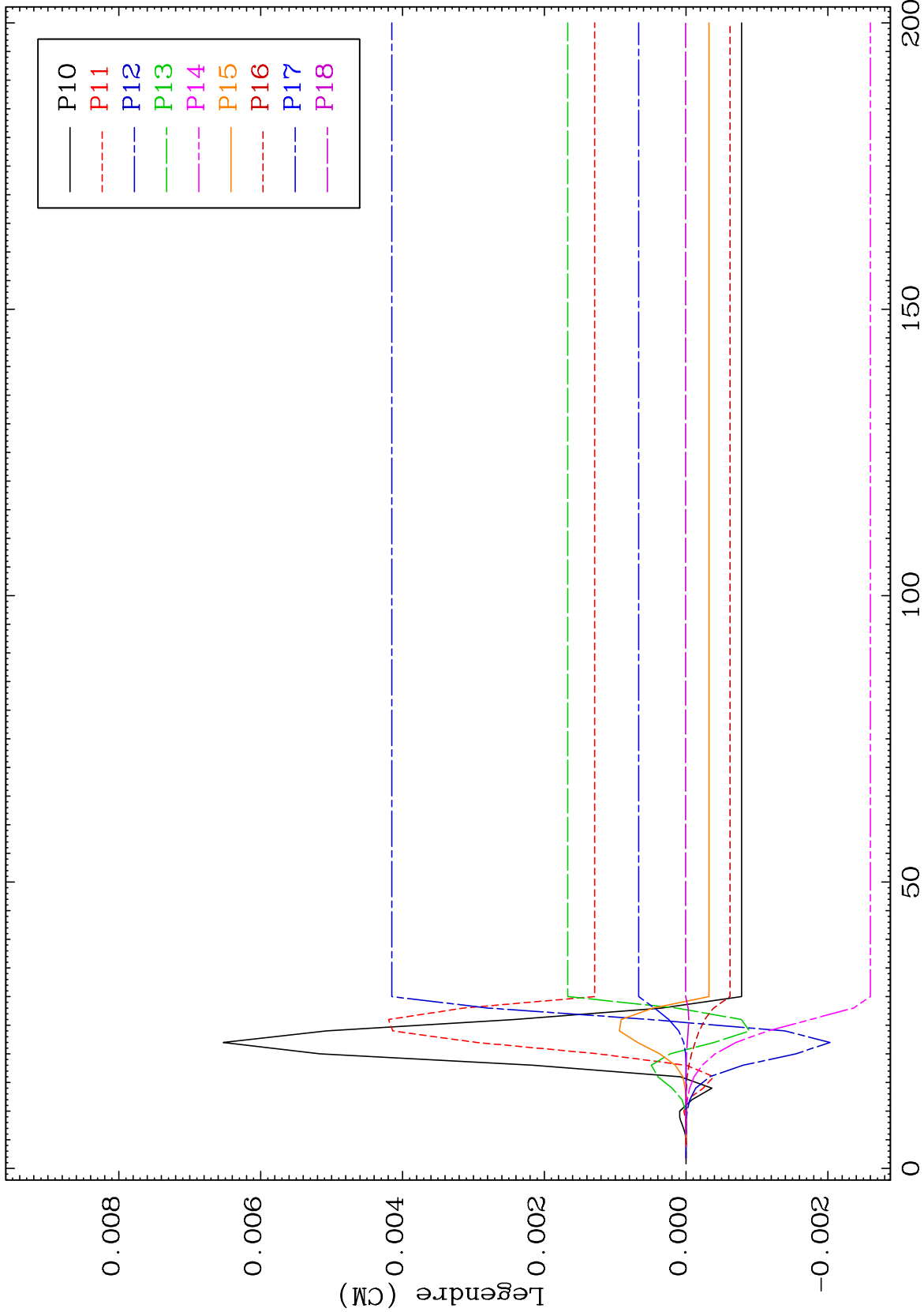
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



89

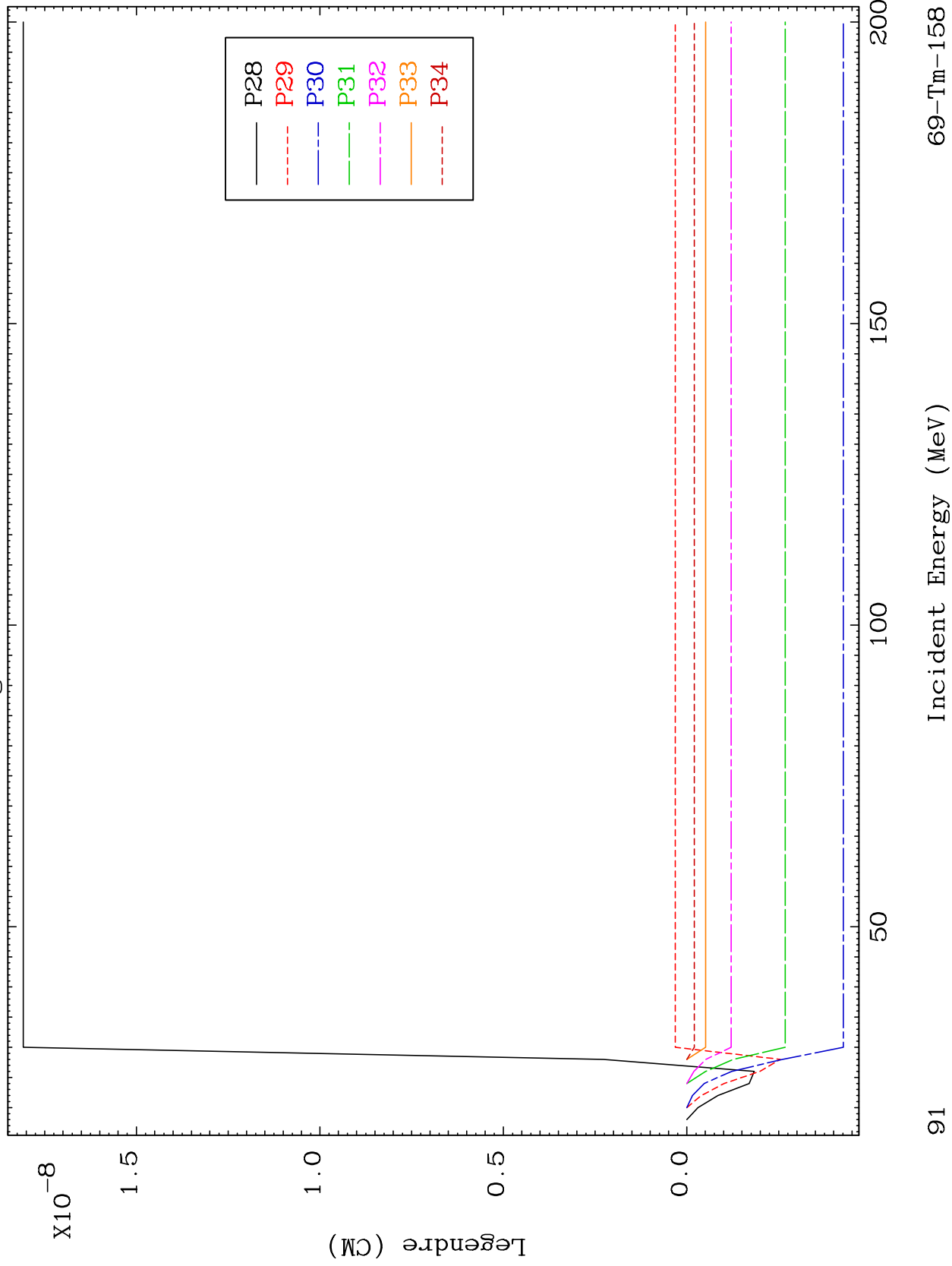
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

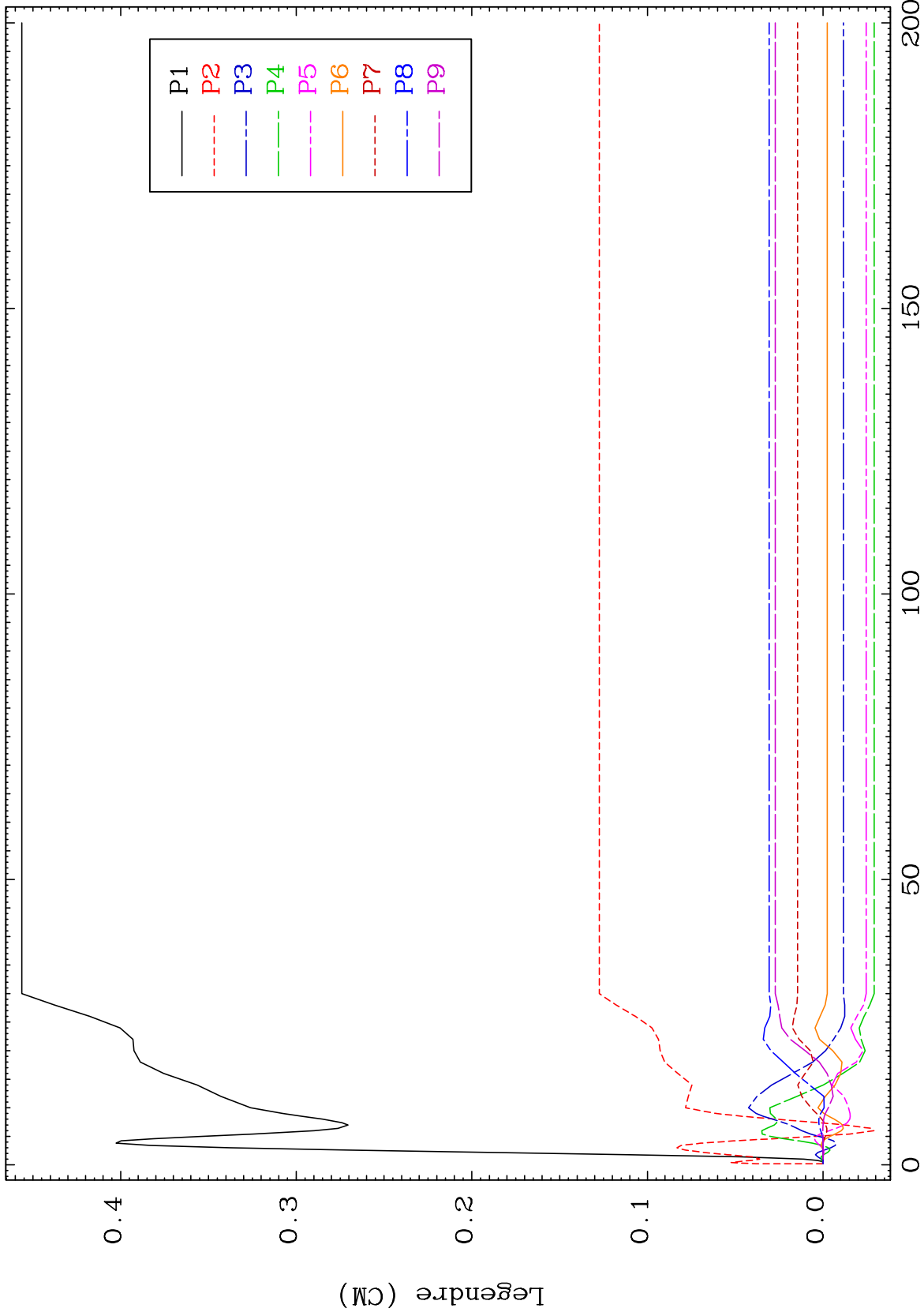
69-Tm-158



MAT 6892

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

69-Tm-158



92

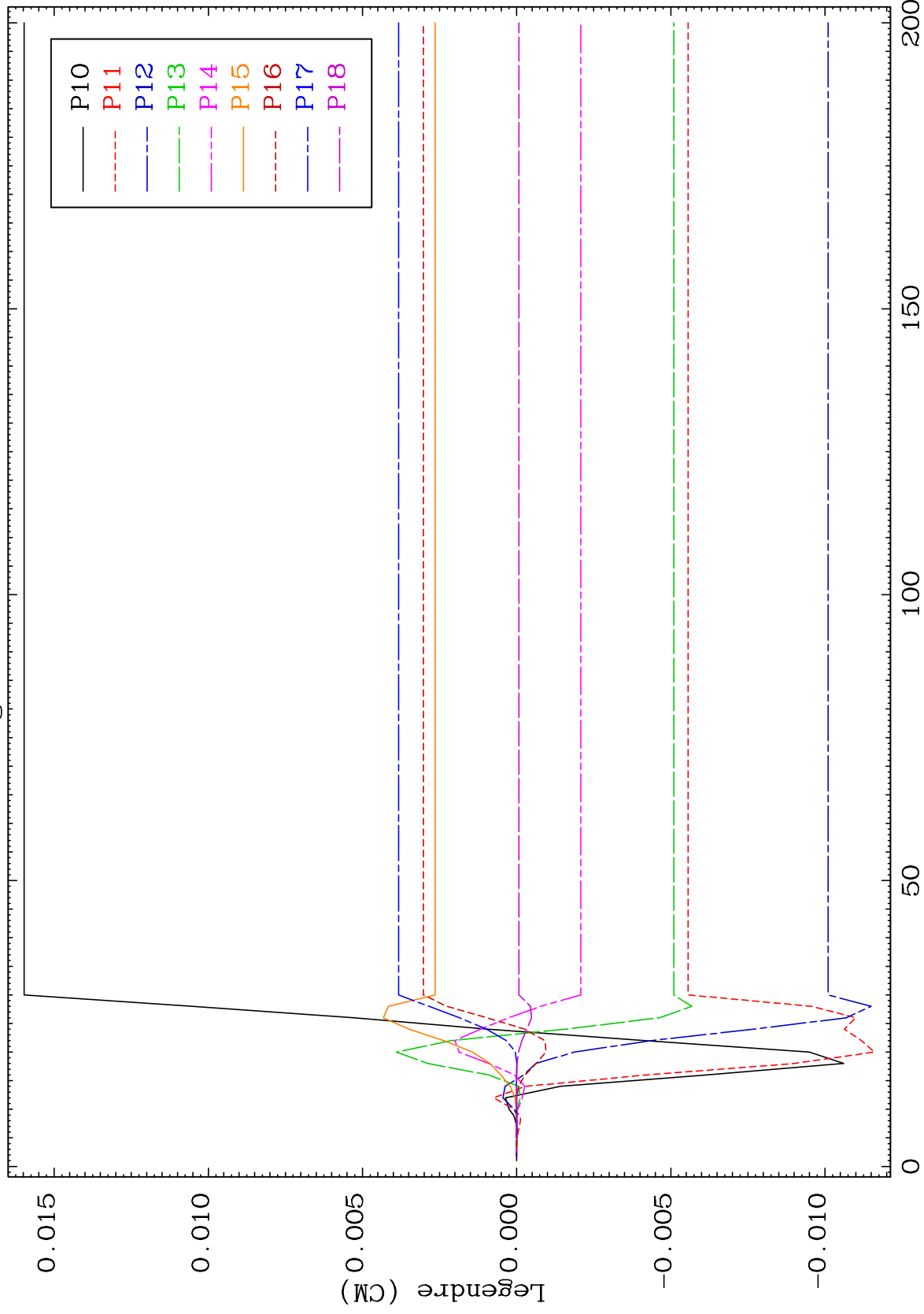
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



93

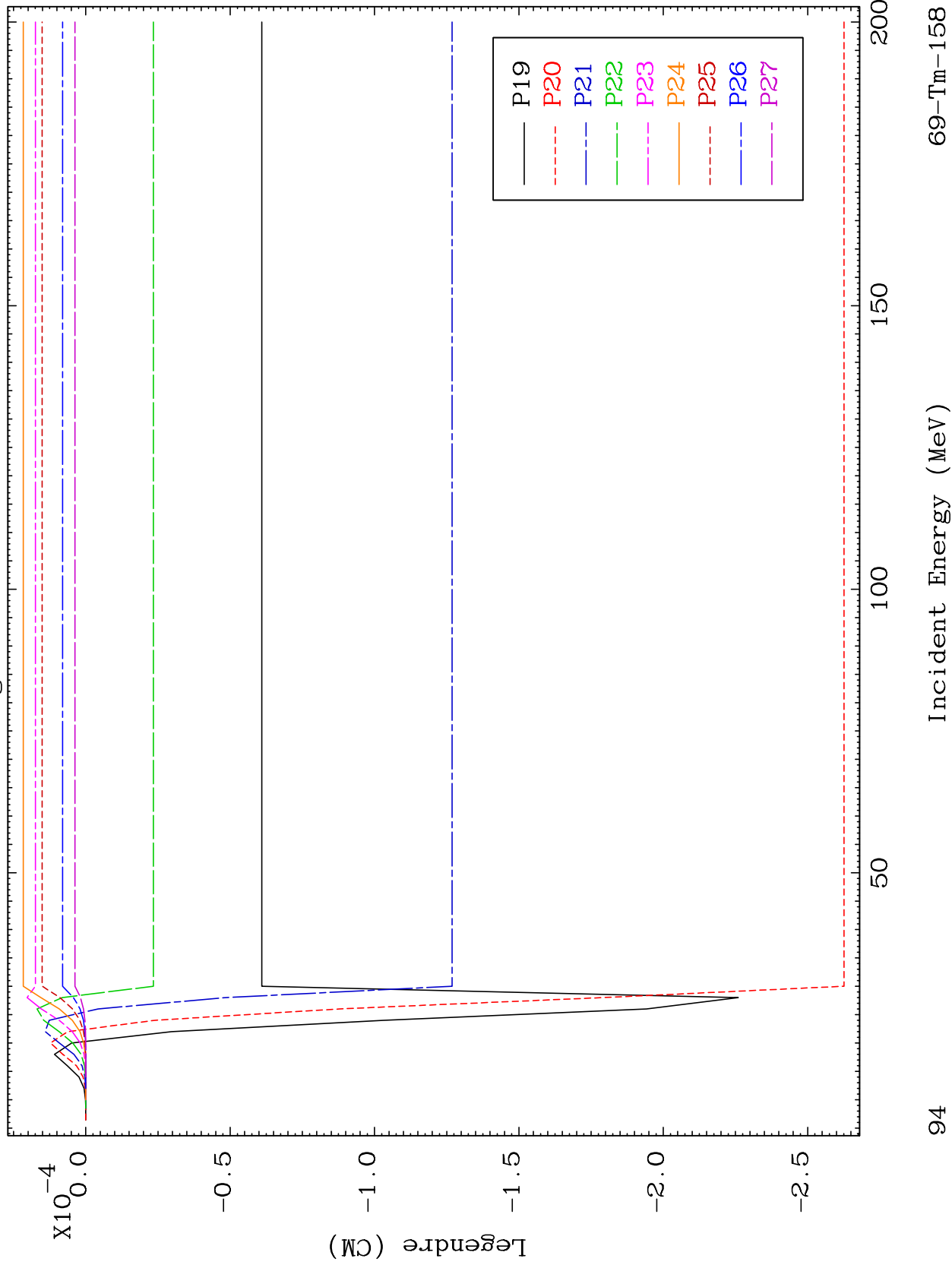
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



94

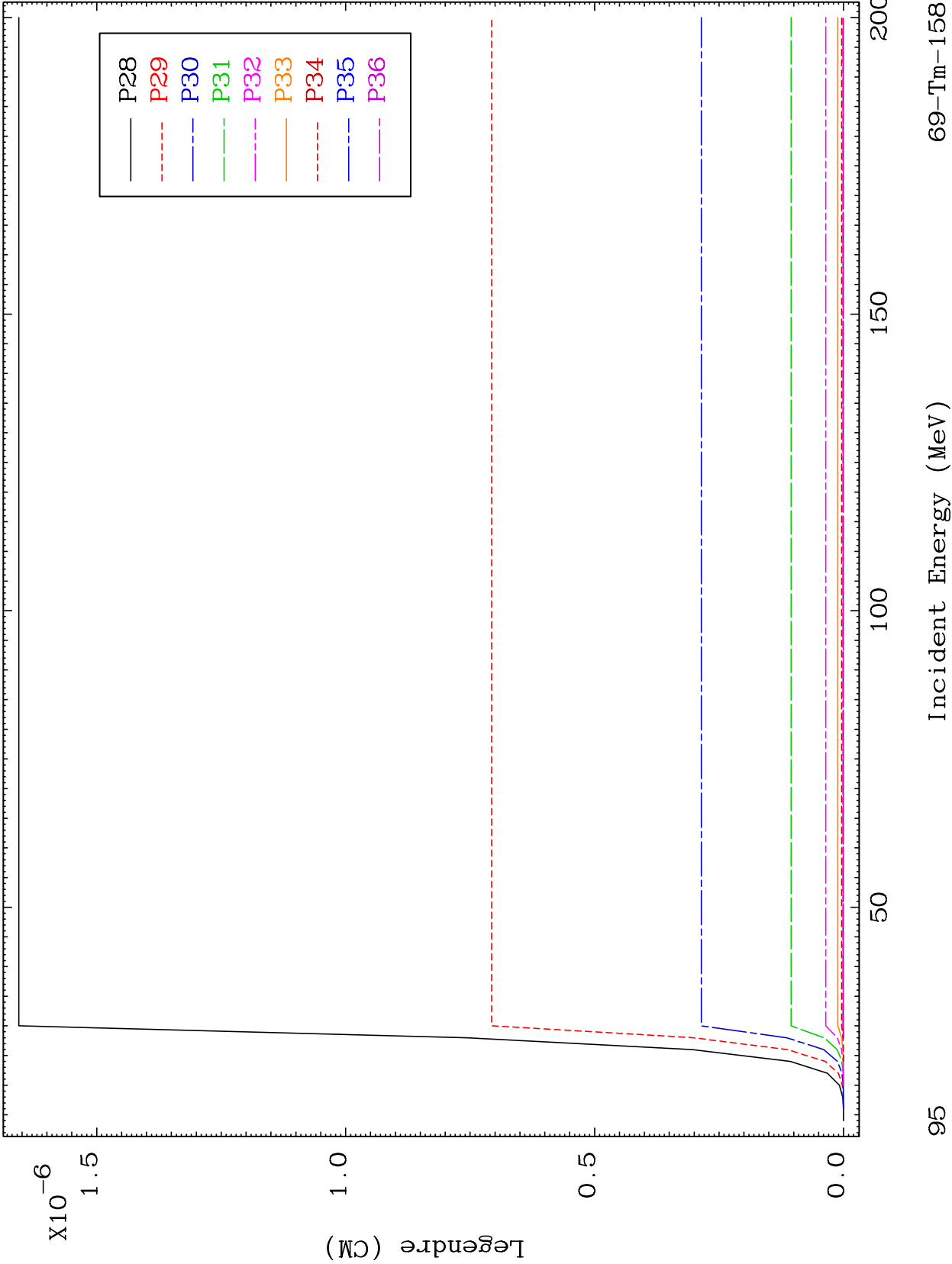
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



95

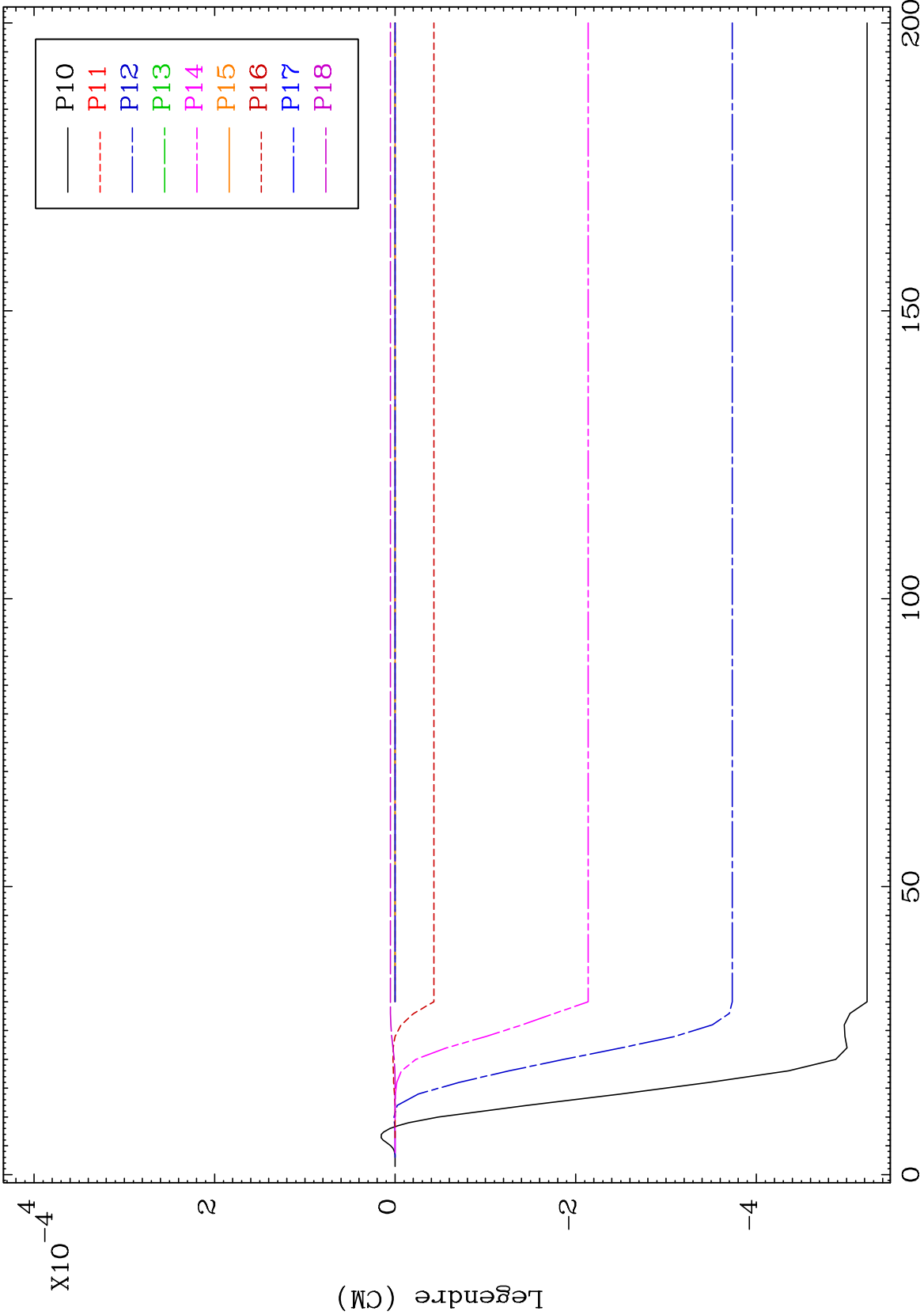
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



97

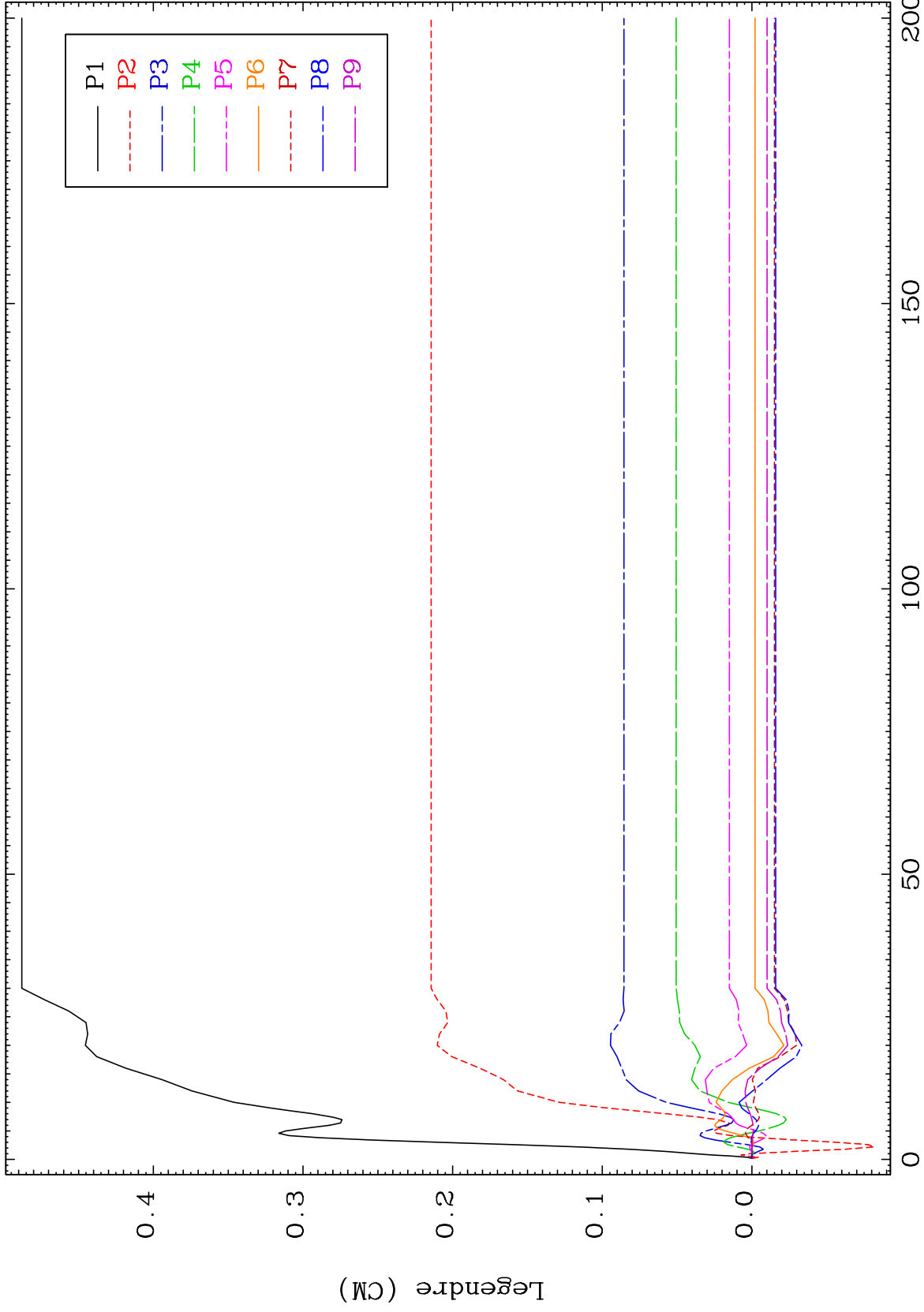
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



99

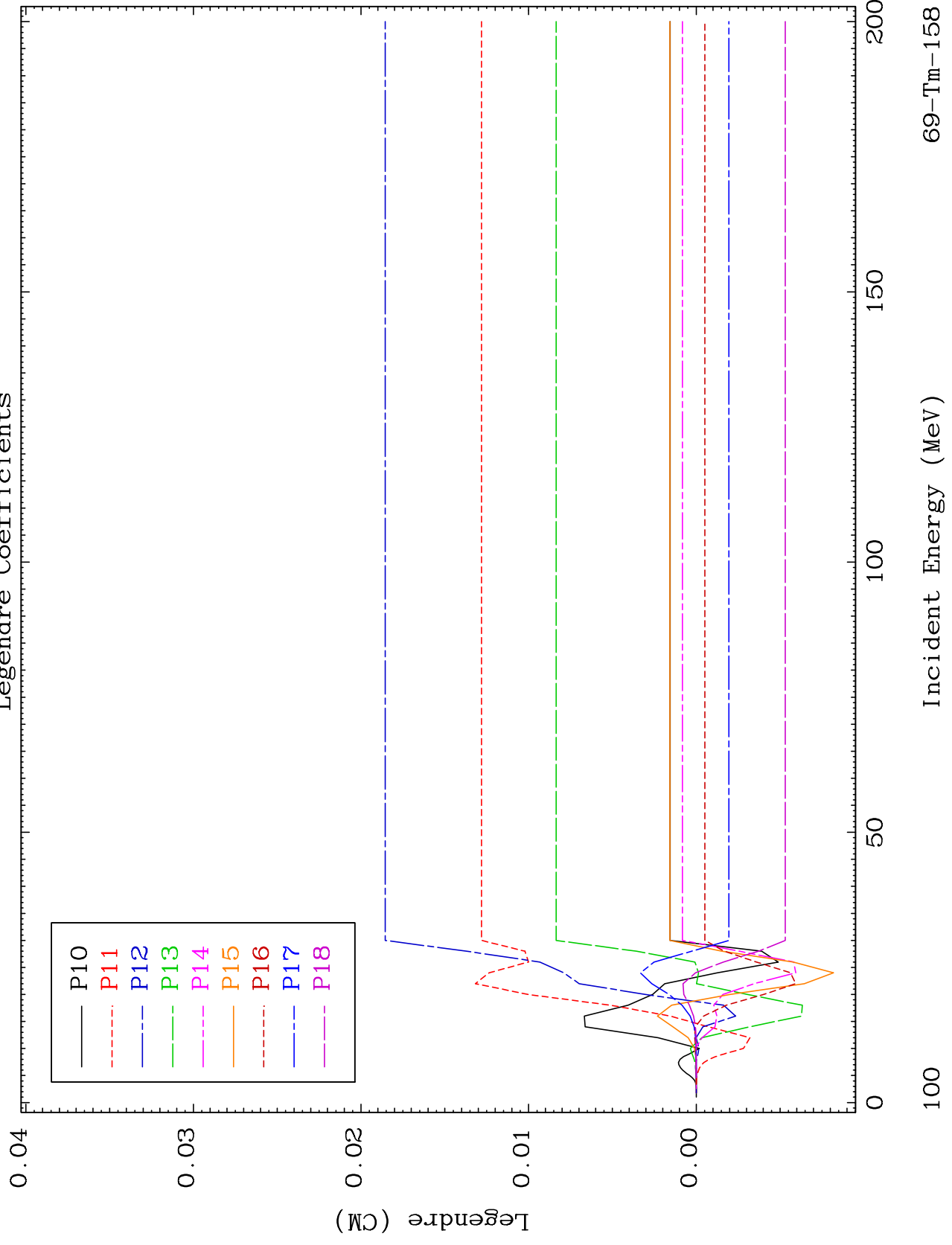
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

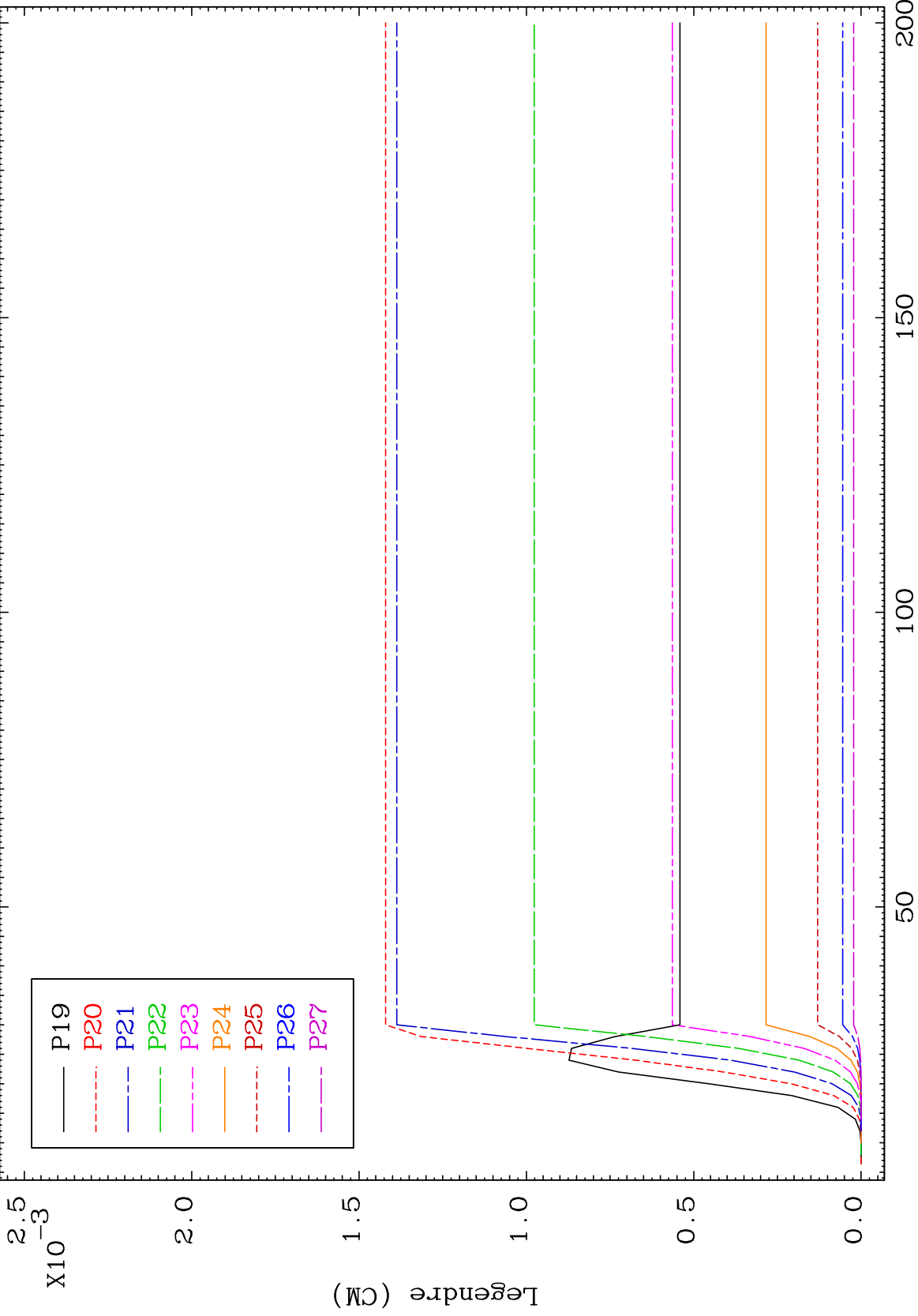
69-Tm-158



69-Tm-158

Incident Energy (MeV)

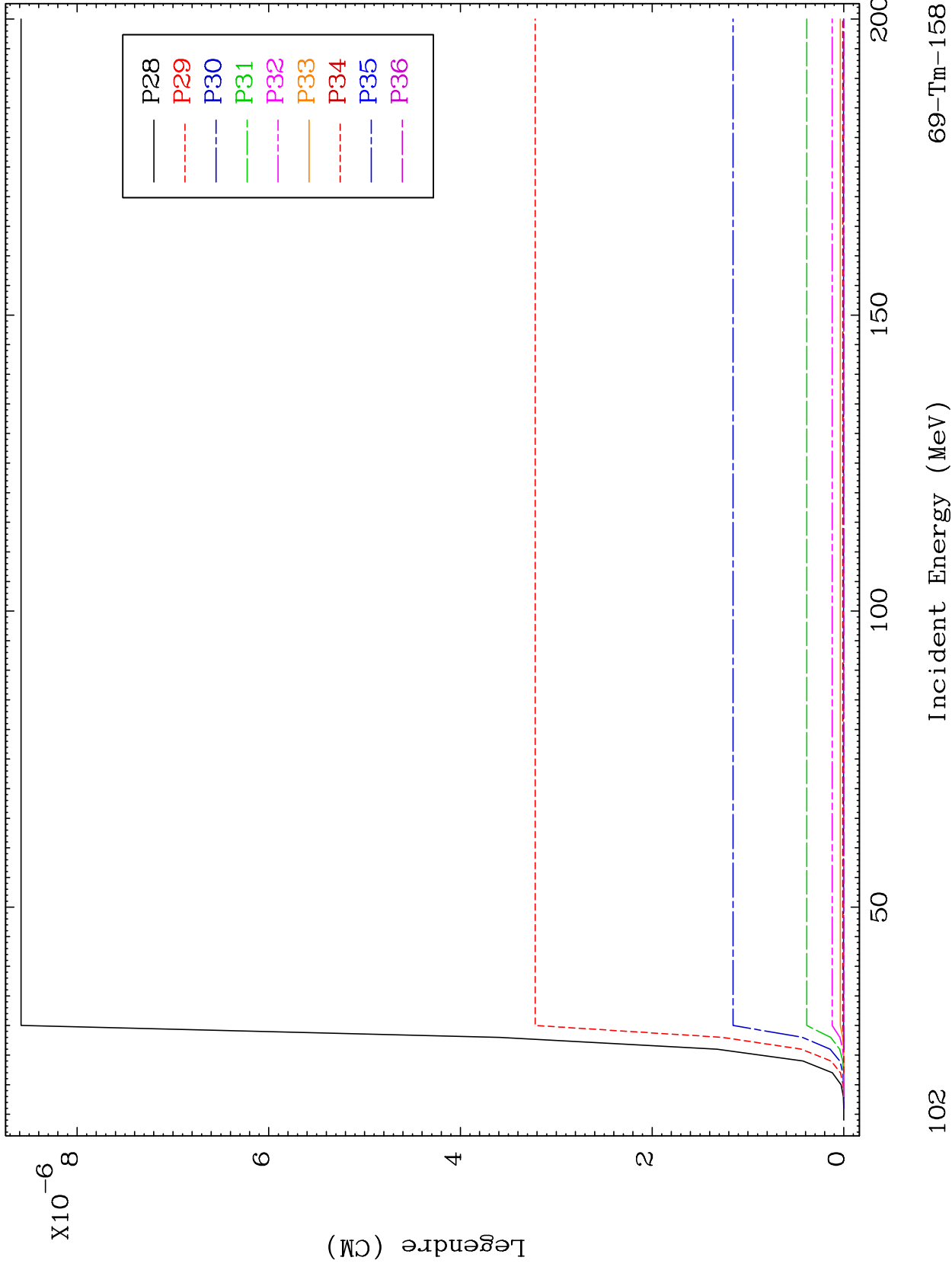
100



MAT 6892

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

69-Tm-158



102

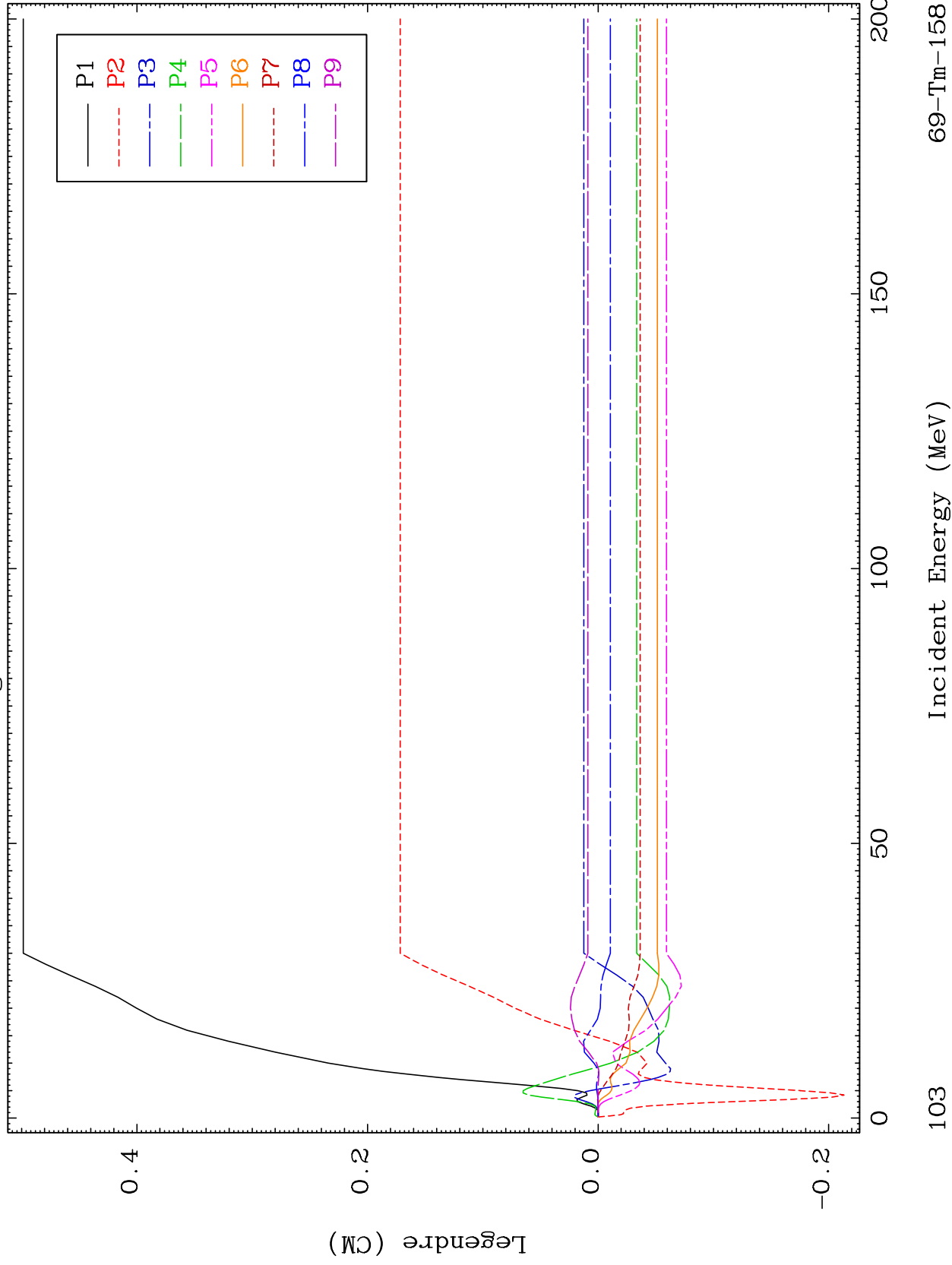
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

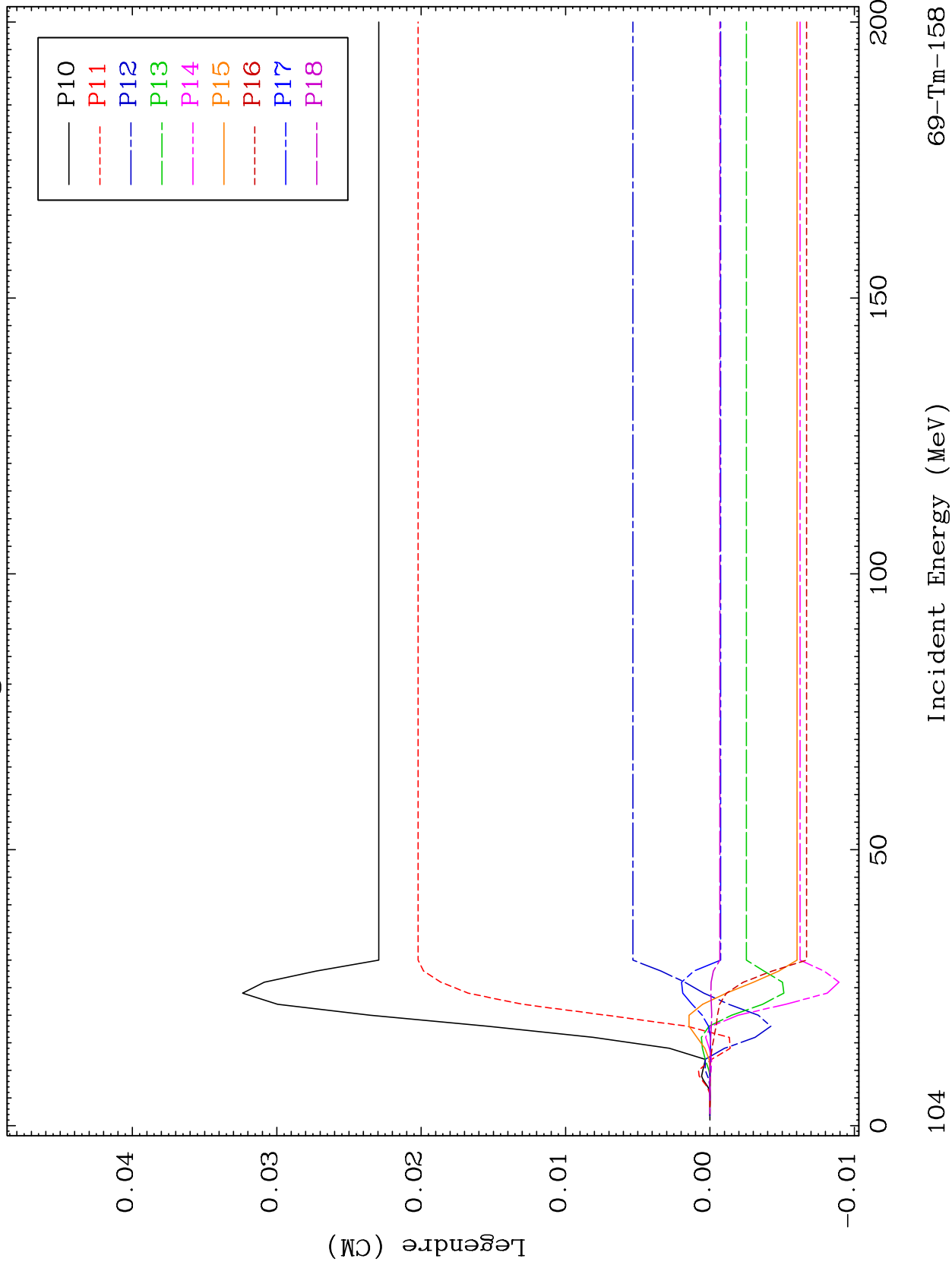
Incident Energy (MeV)

103

MAT 6892

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

69-Tm-158



104

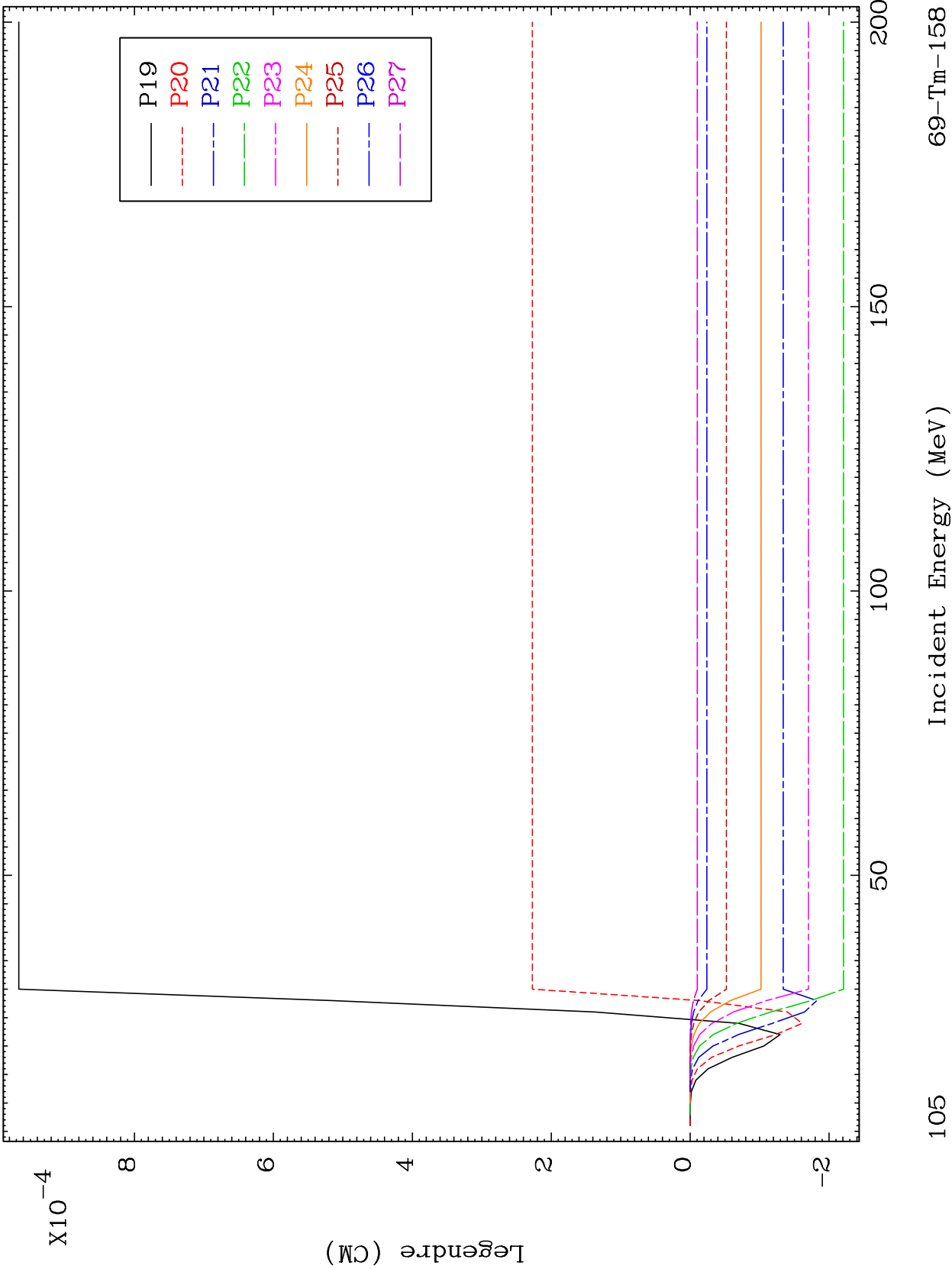
Incident Energy (MeV)

69-Tm-158

MAT 6892

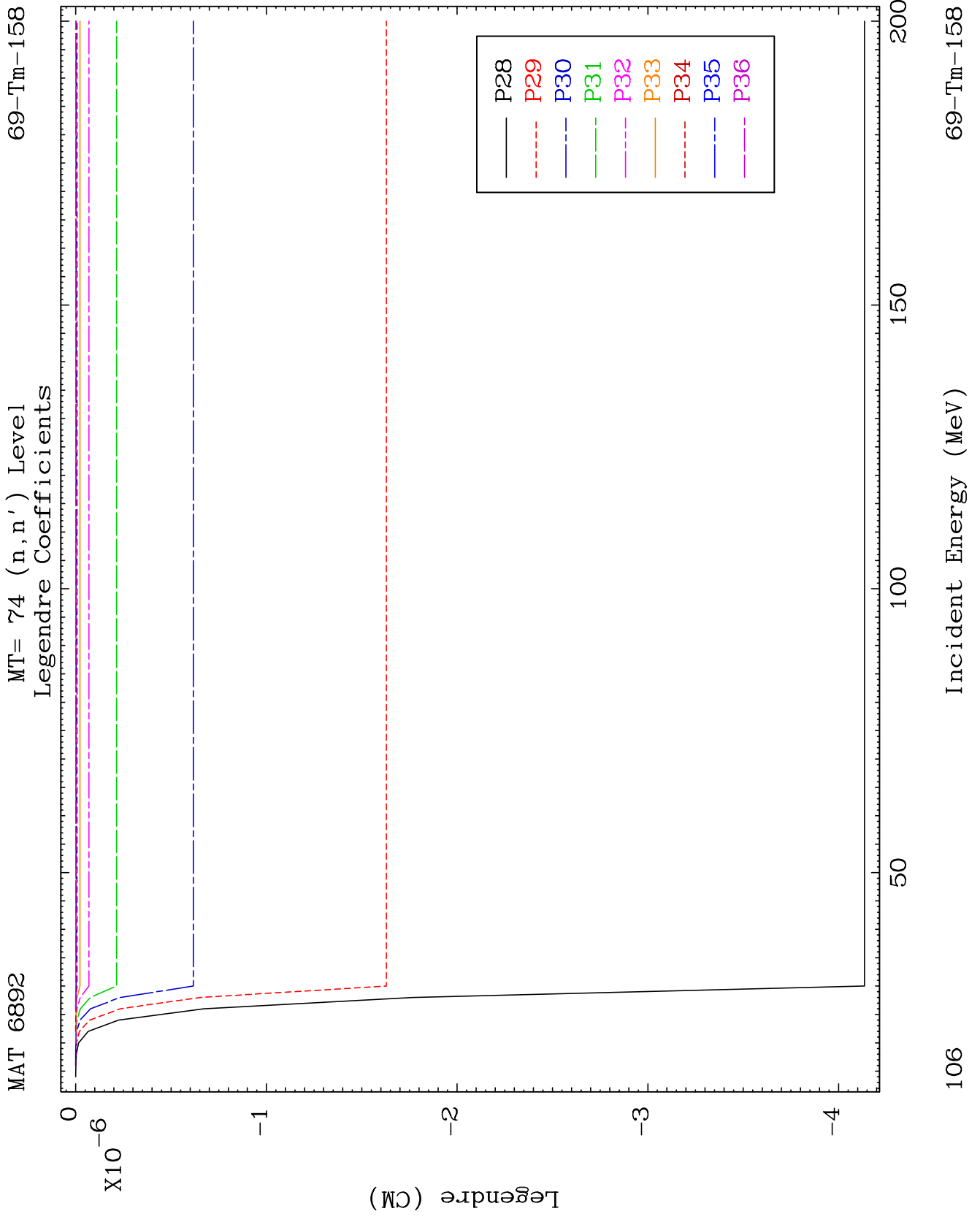
MT= 74 (n,n') Level
Legendre Coefficients

69-Tm-158



105

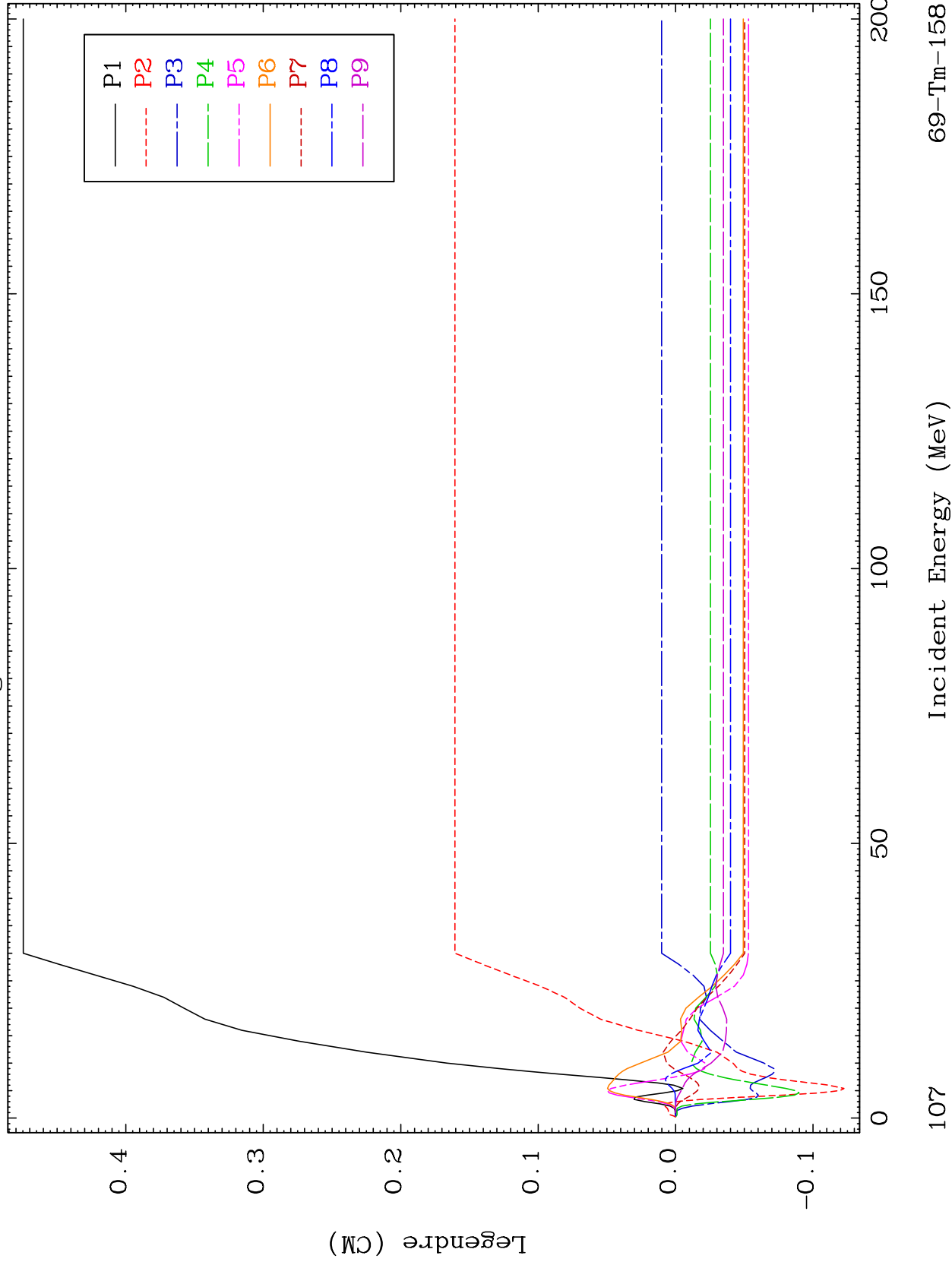
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

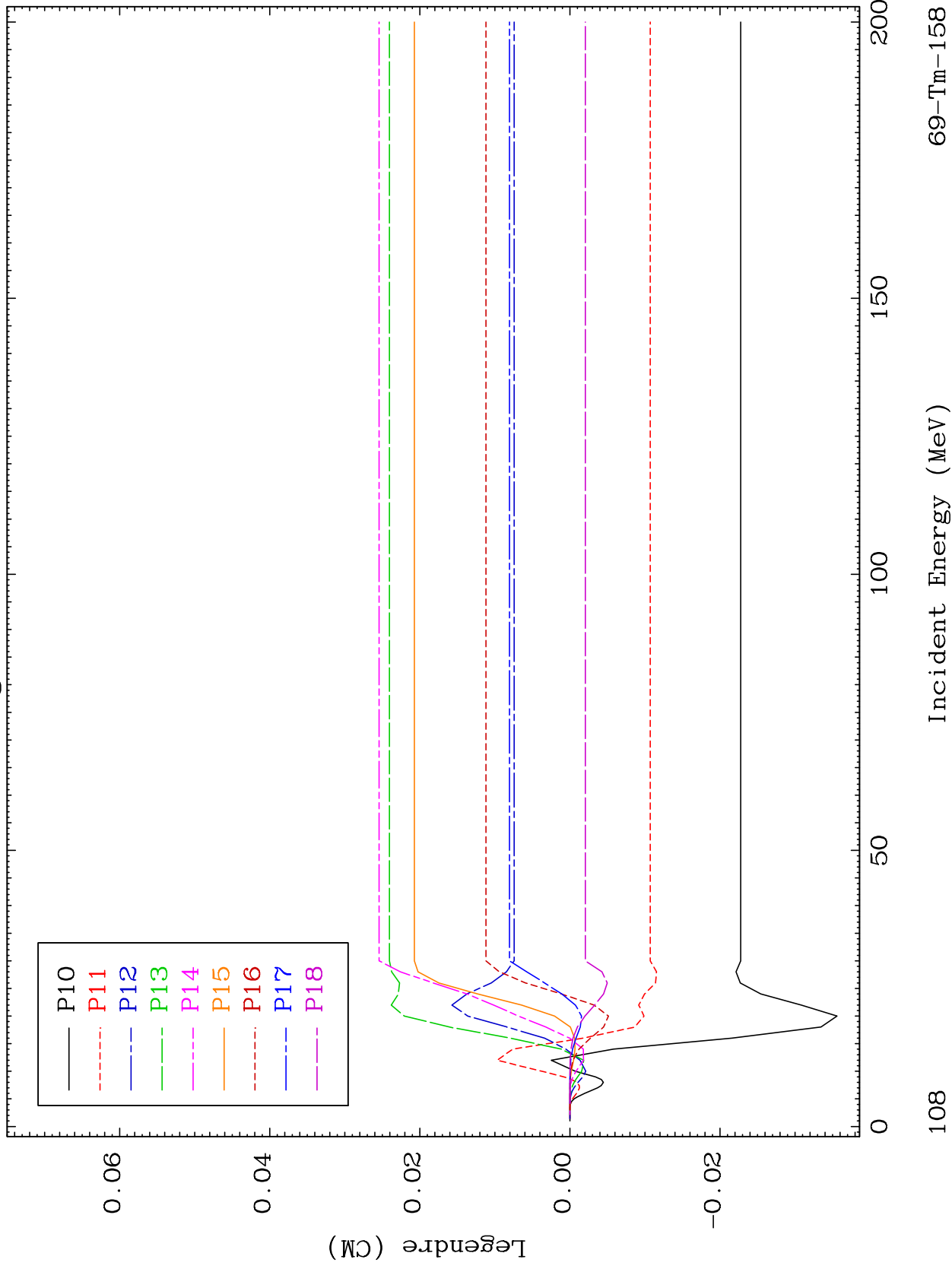
Incident Energy (MeV)

107

MAT 6892

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

69-Tm-158



108

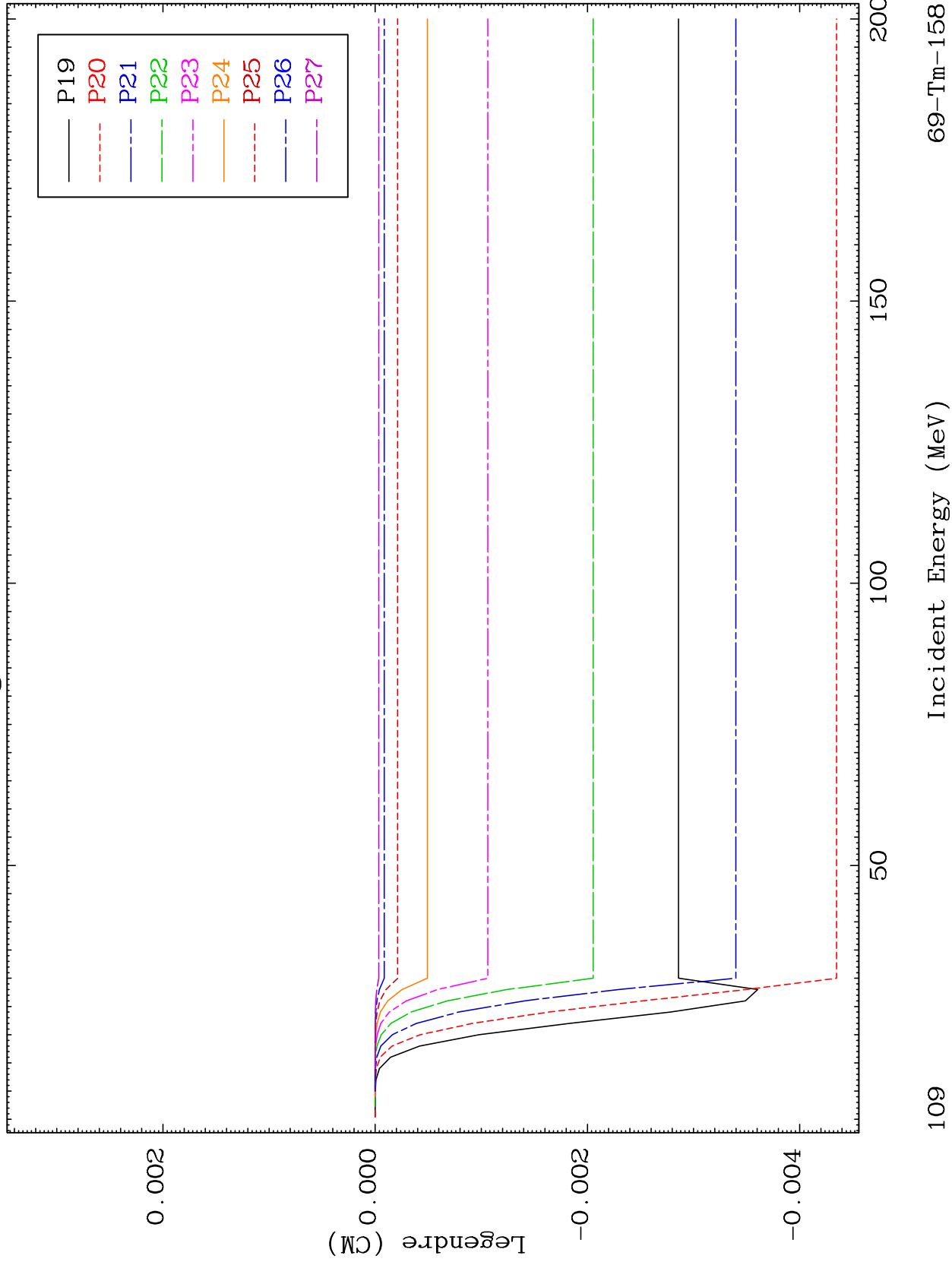
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

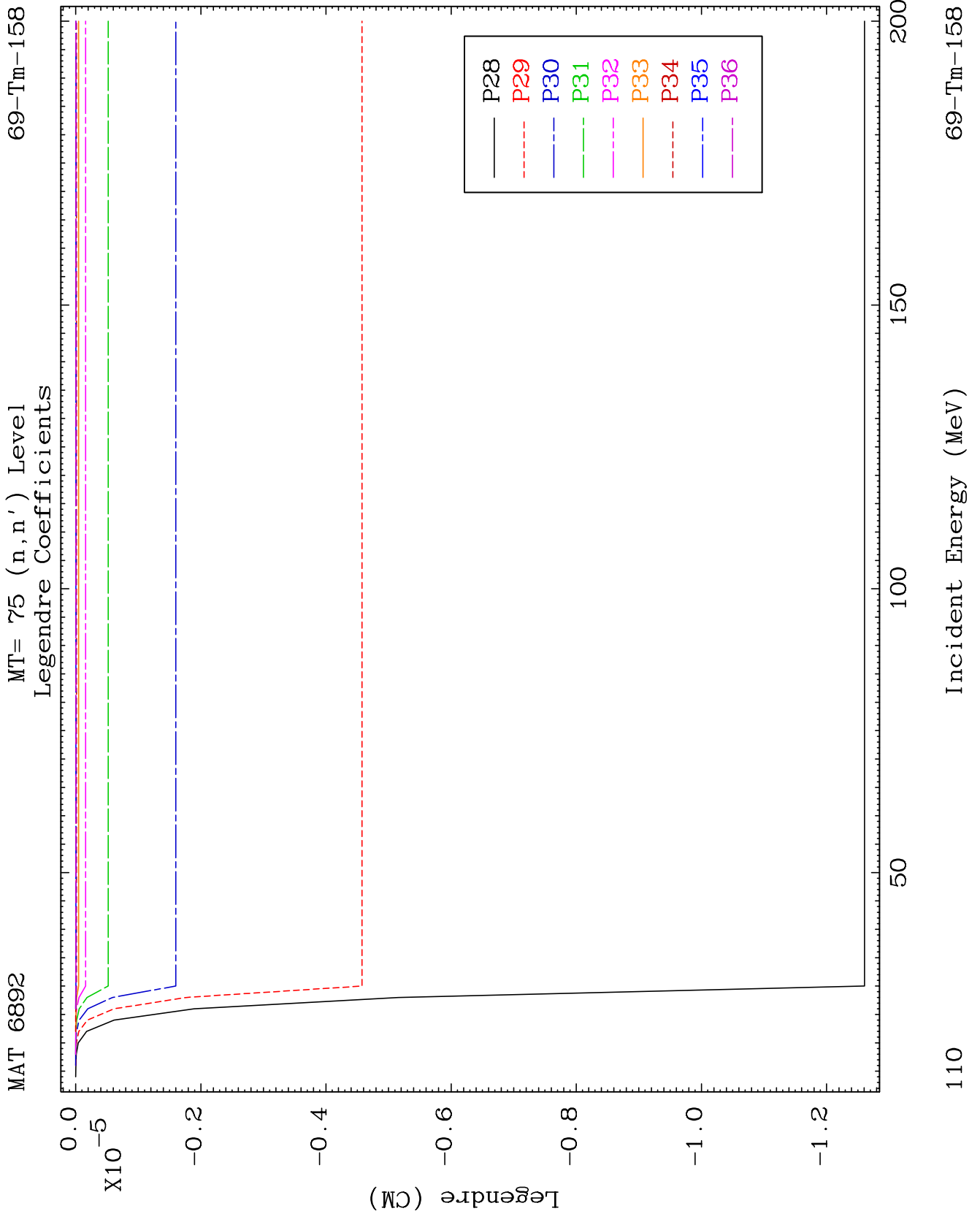
69-Tm-158



109

Incident Energy (MeV)

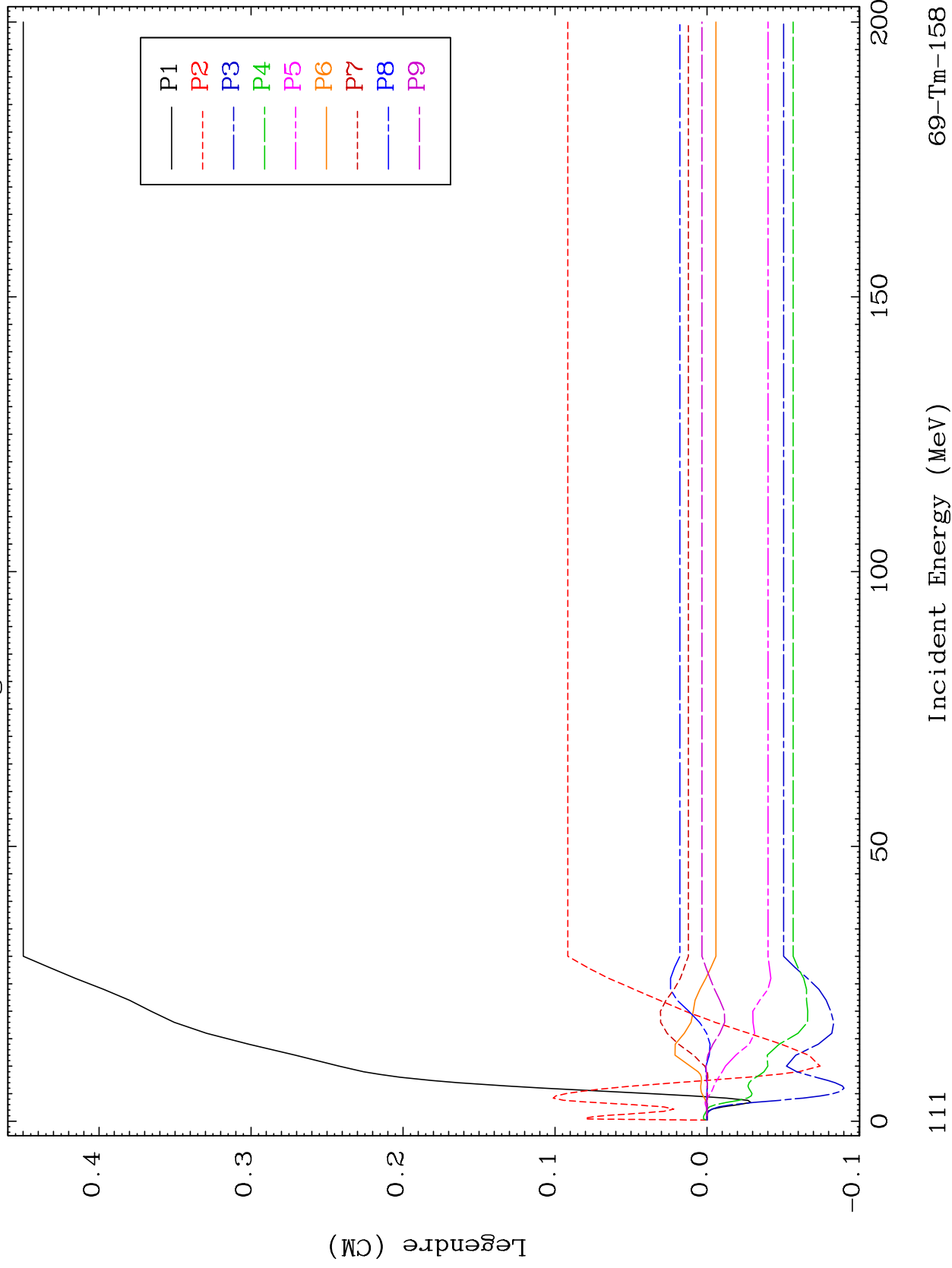
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

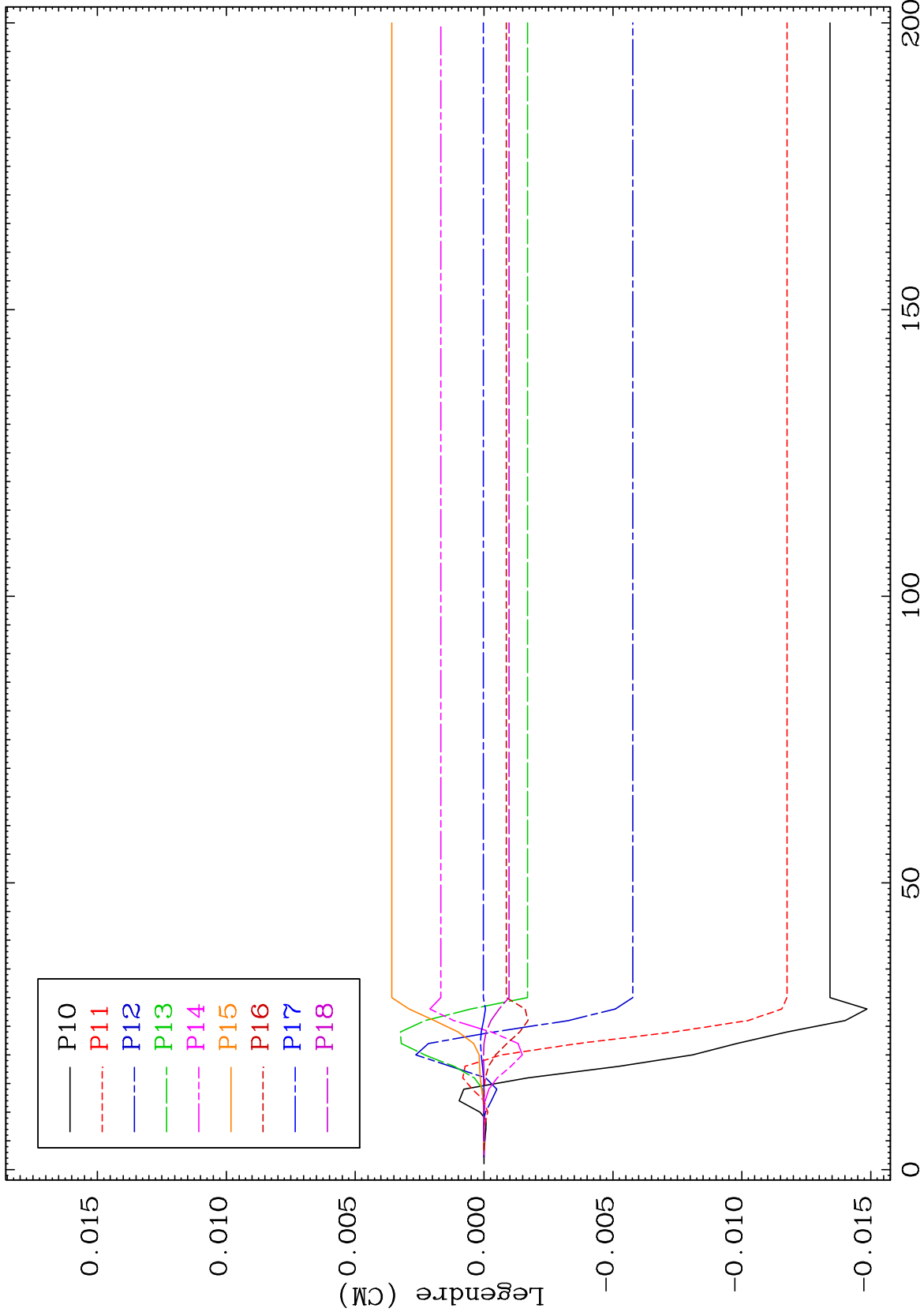
Incident Energy (MeV)

111

MAT 6892

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

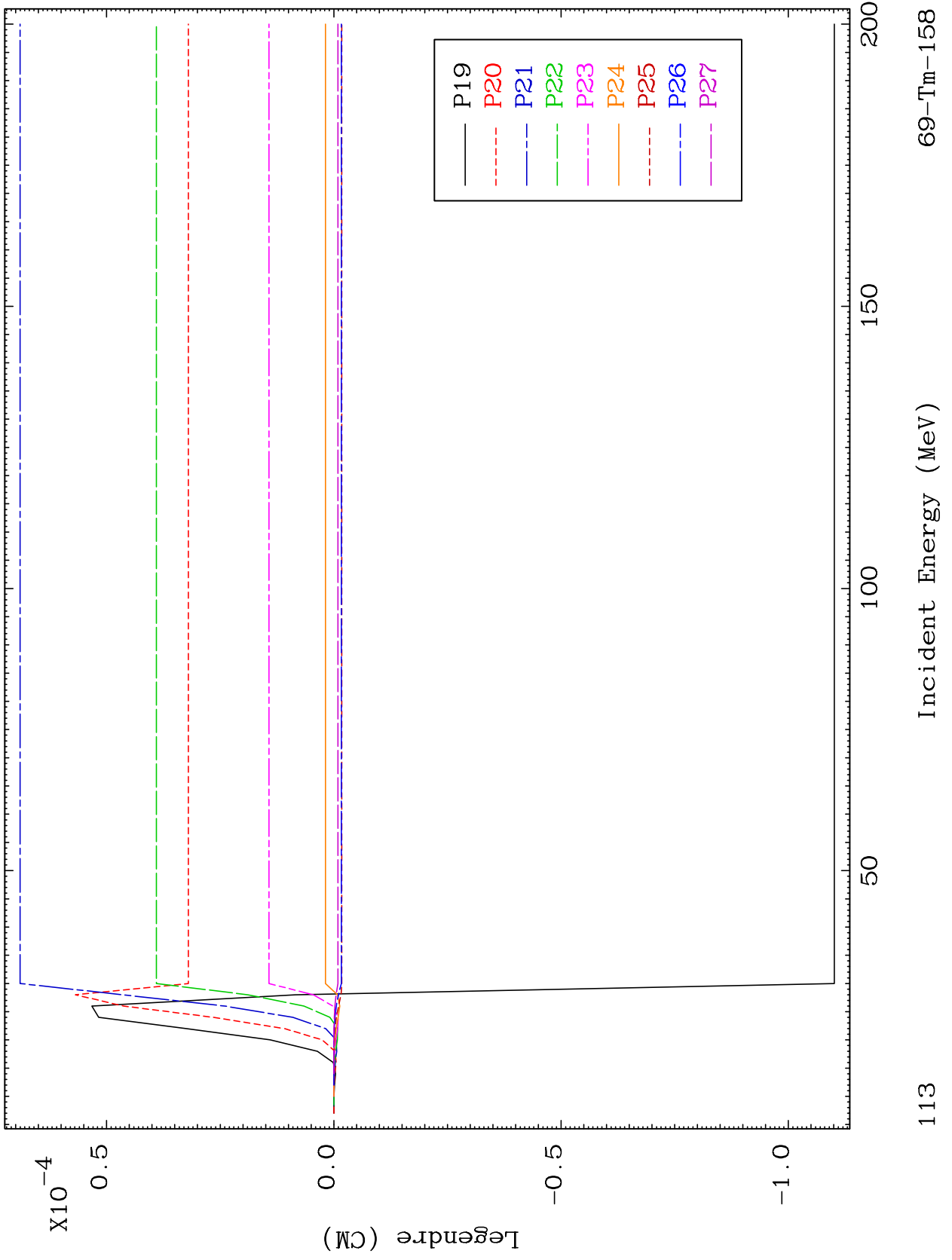
69-Tm-158

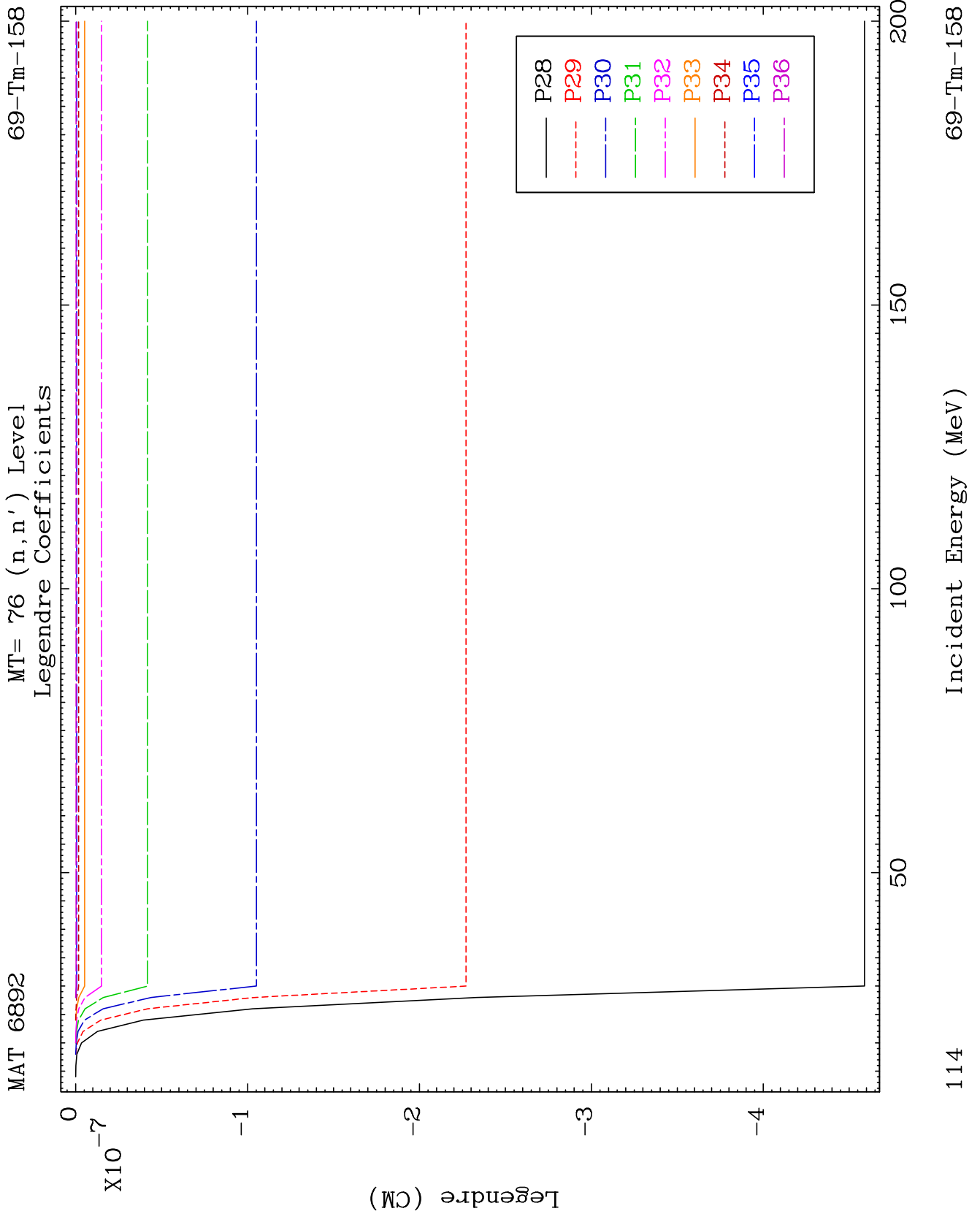


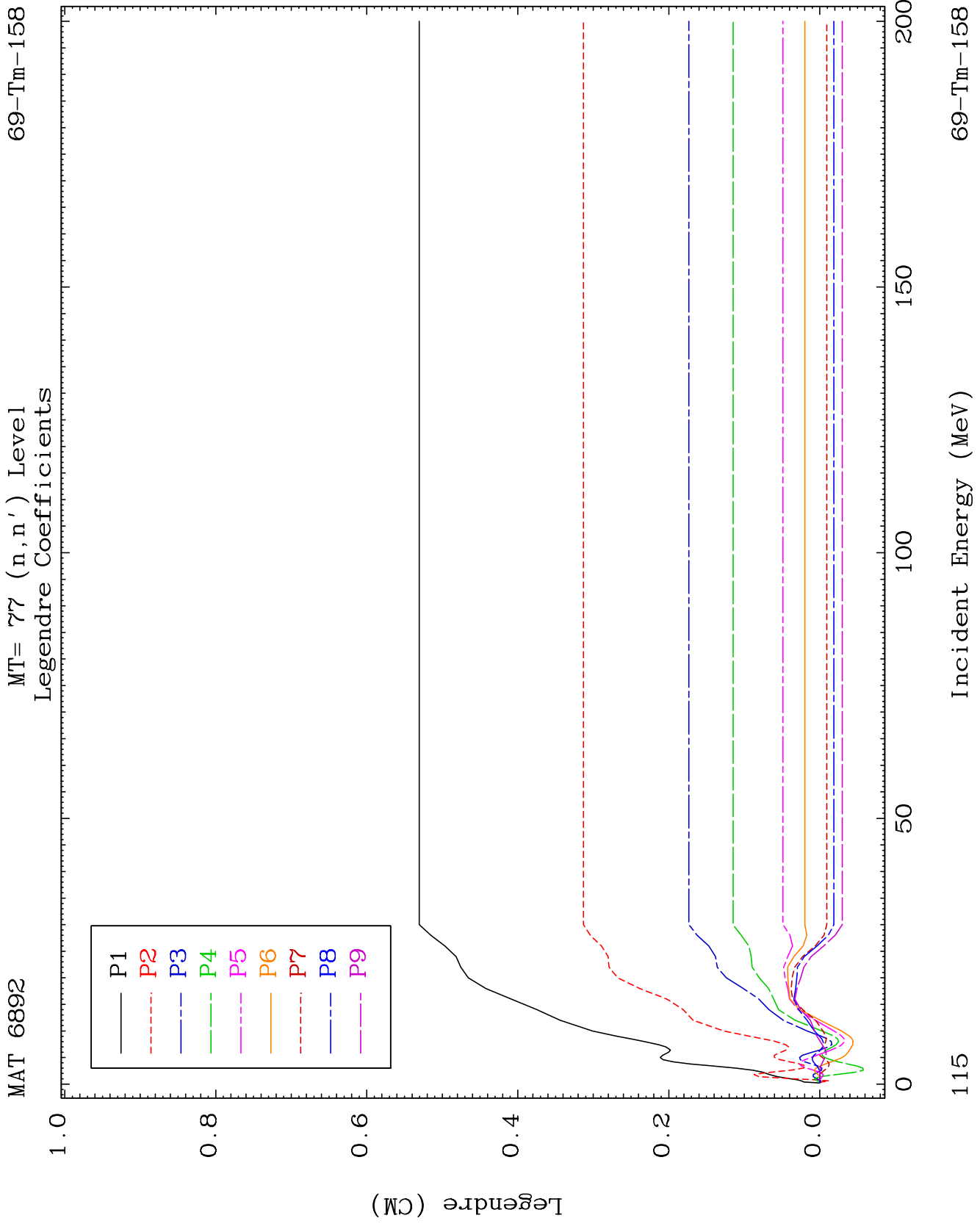
112

Incident Energy (MeV)

69-Tm-158



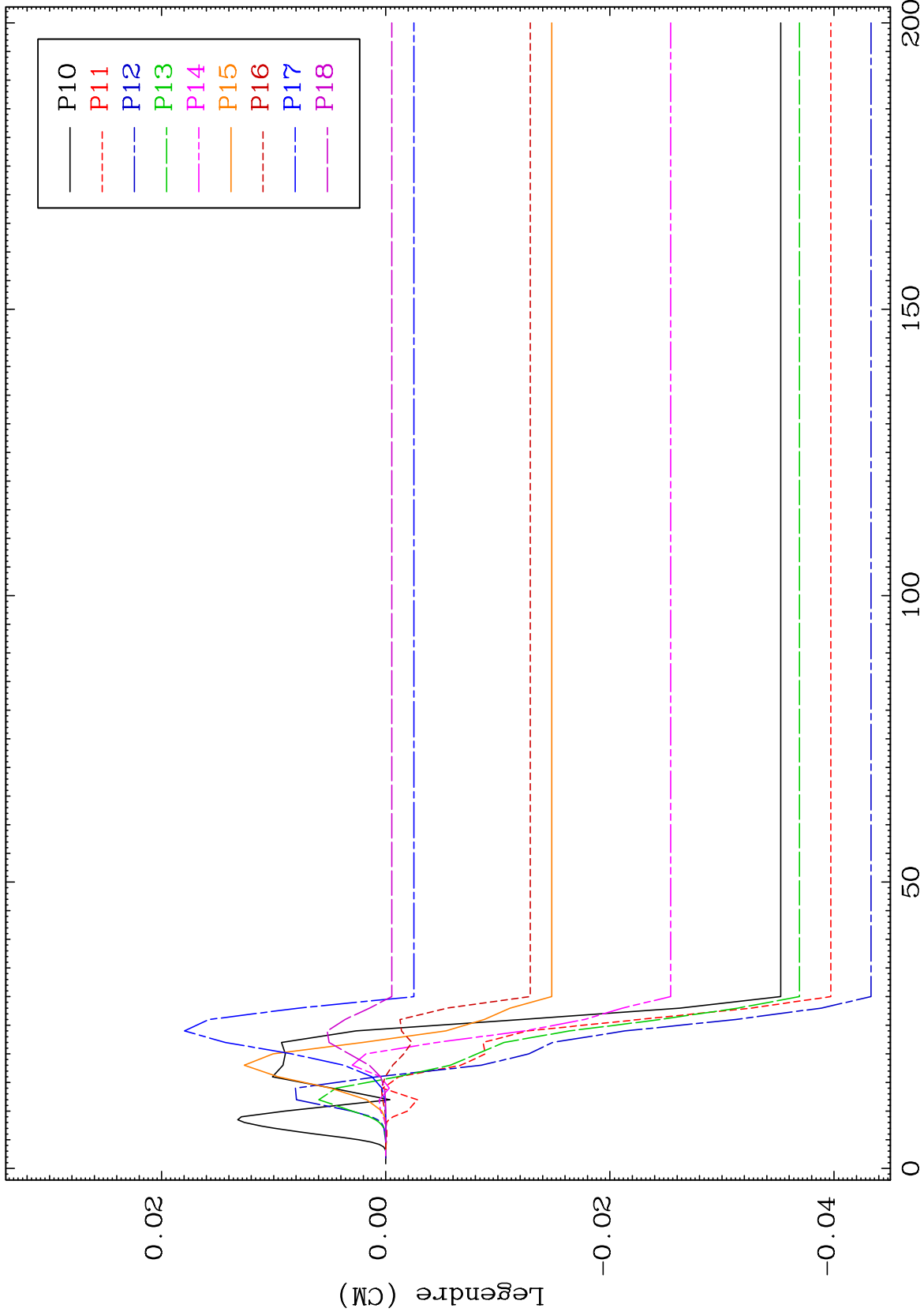




MAT 6892

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

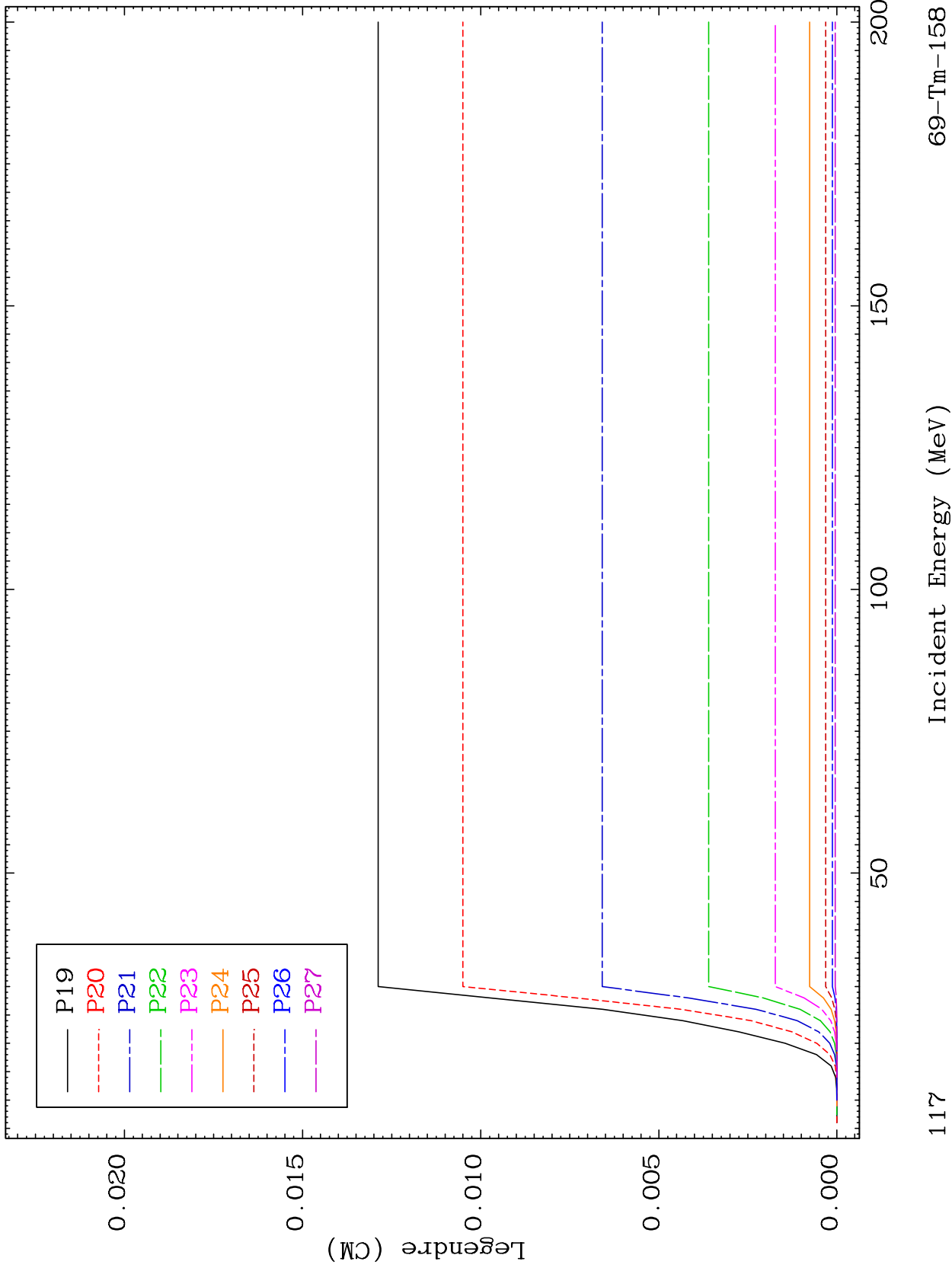
69-Tm-158



116

Incident Energy (MeV)

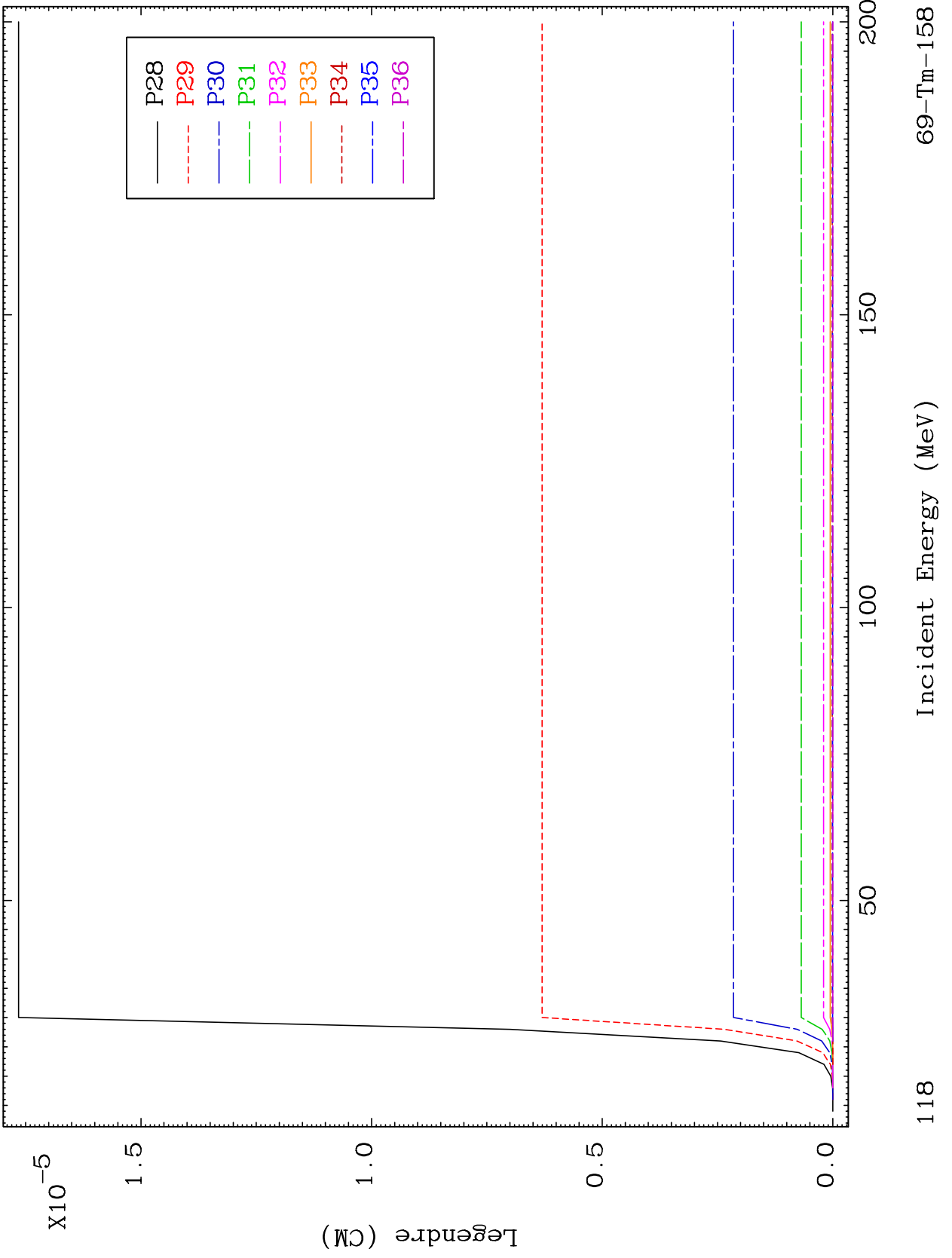
69-Tm-158



MAT 6892

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

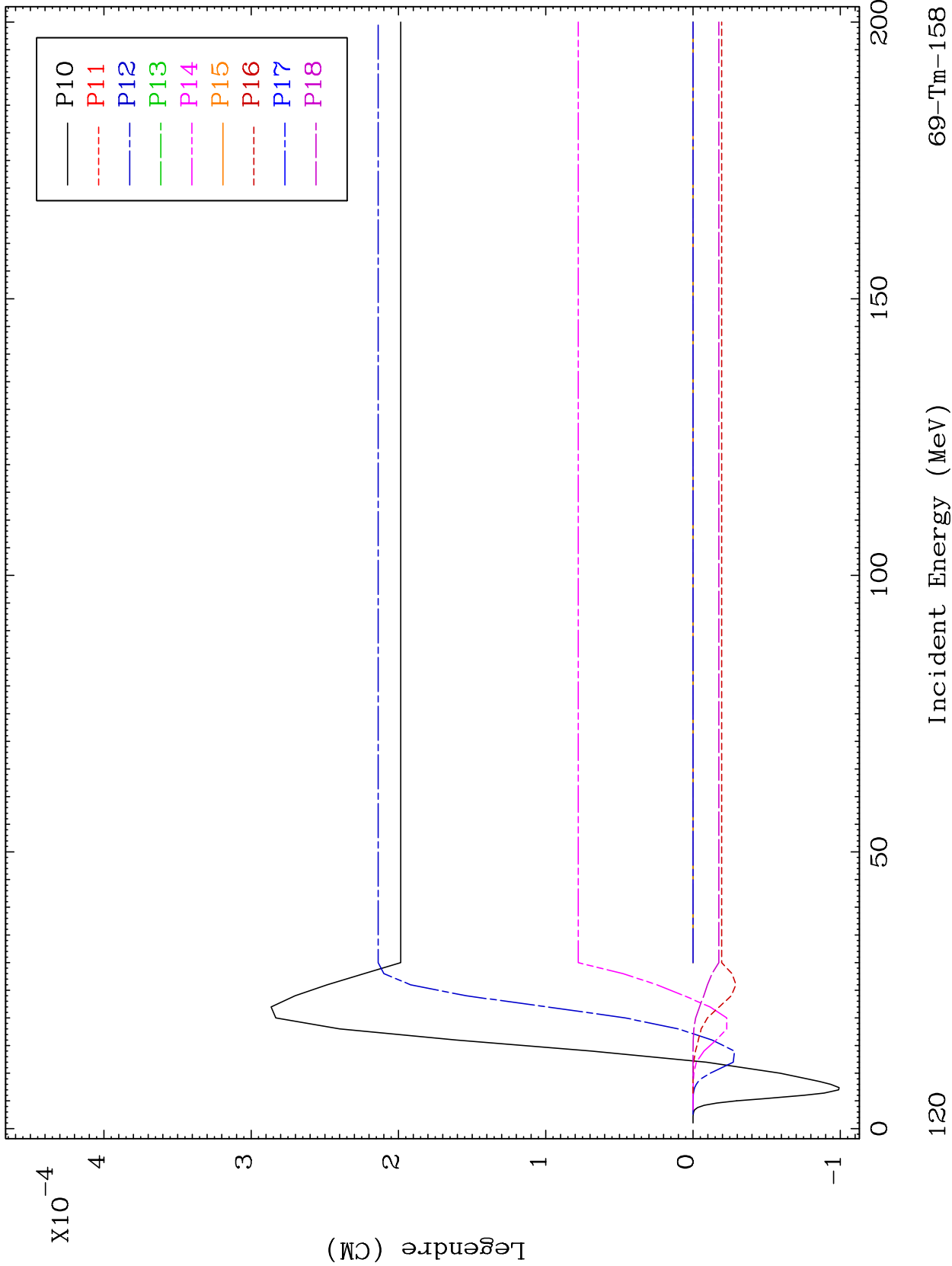
69-Tm-158

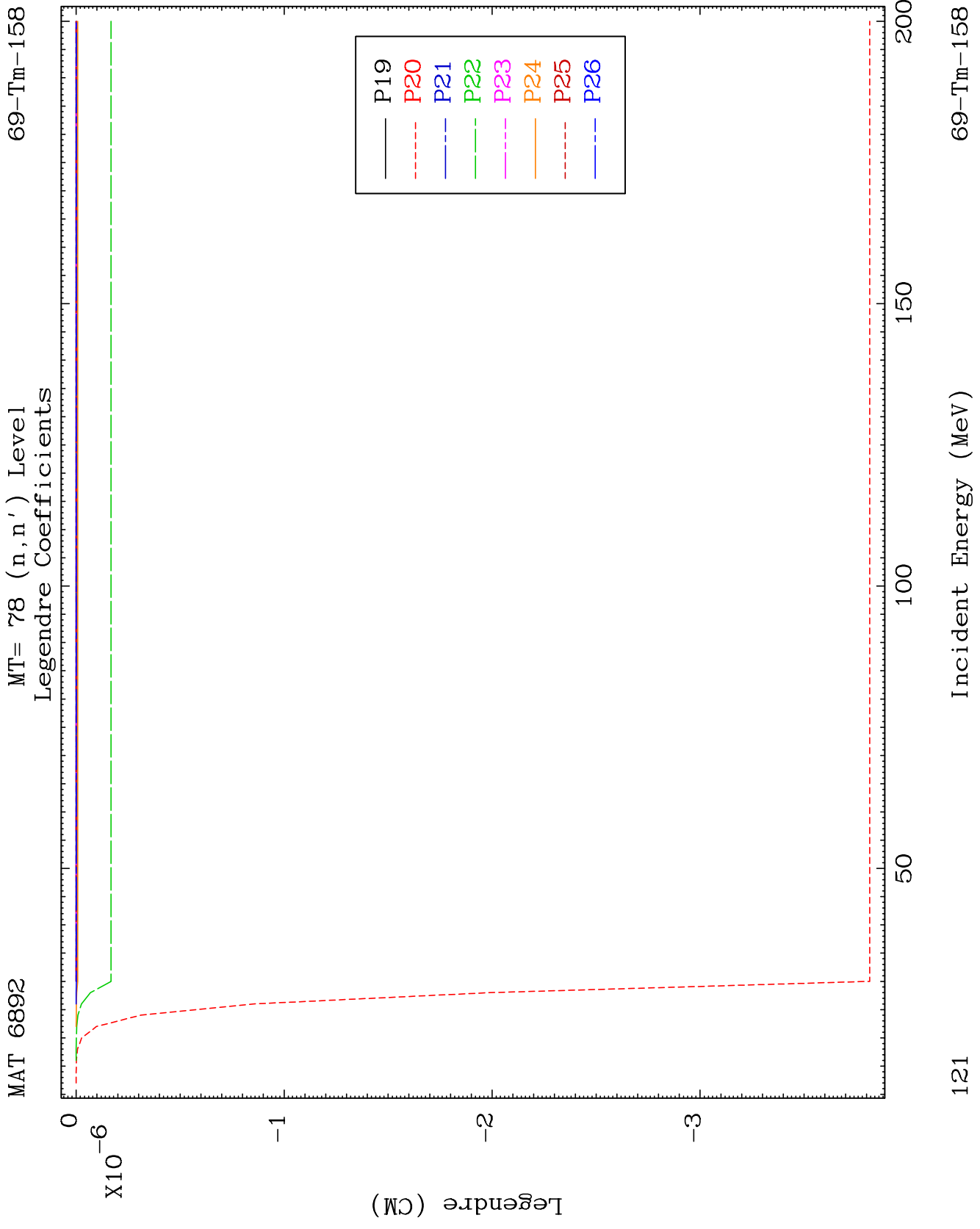


MAT 6892

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

69-Tm-158

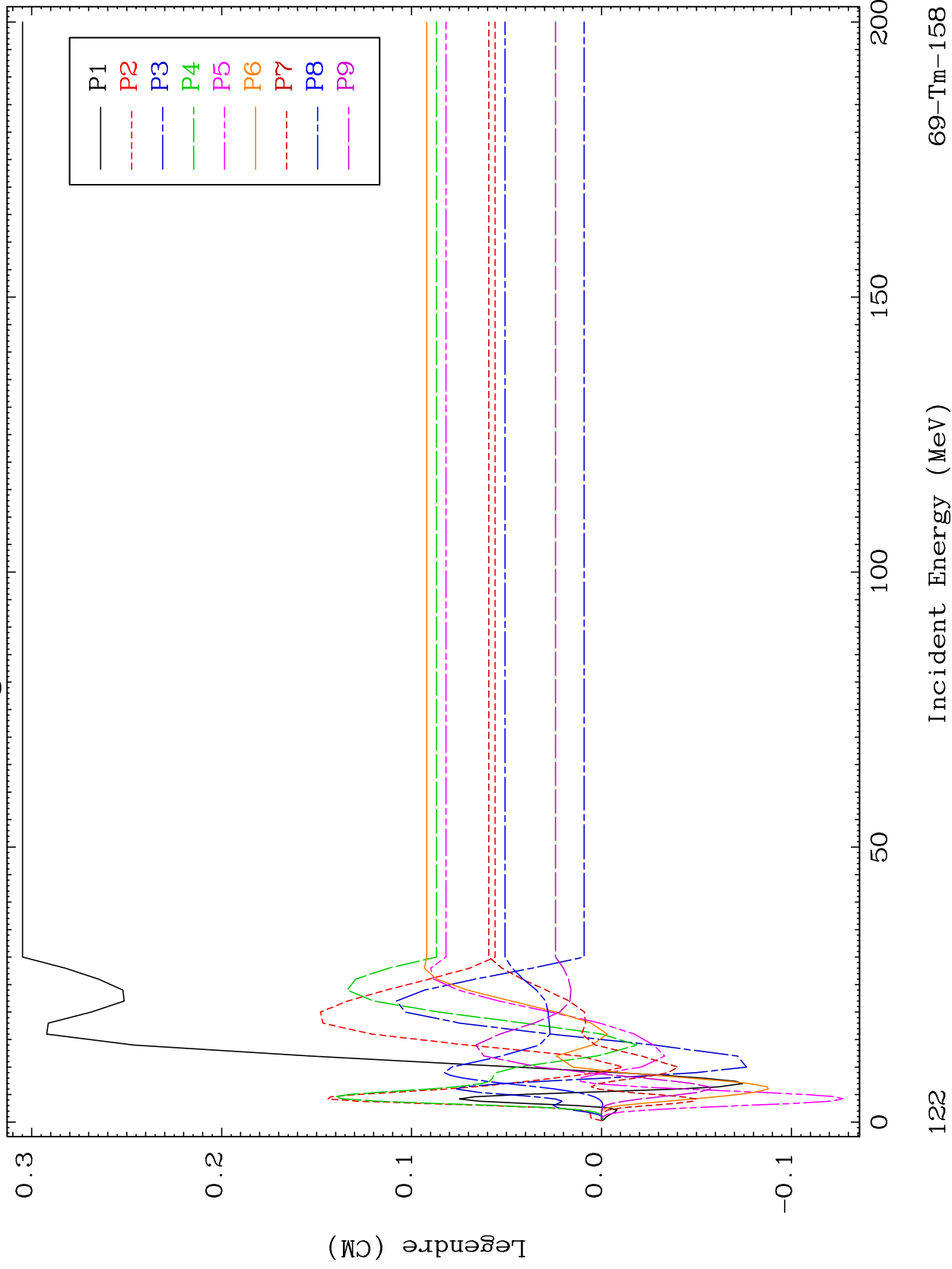




MAT 6892

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

69-Tm-158



69-Tm-158

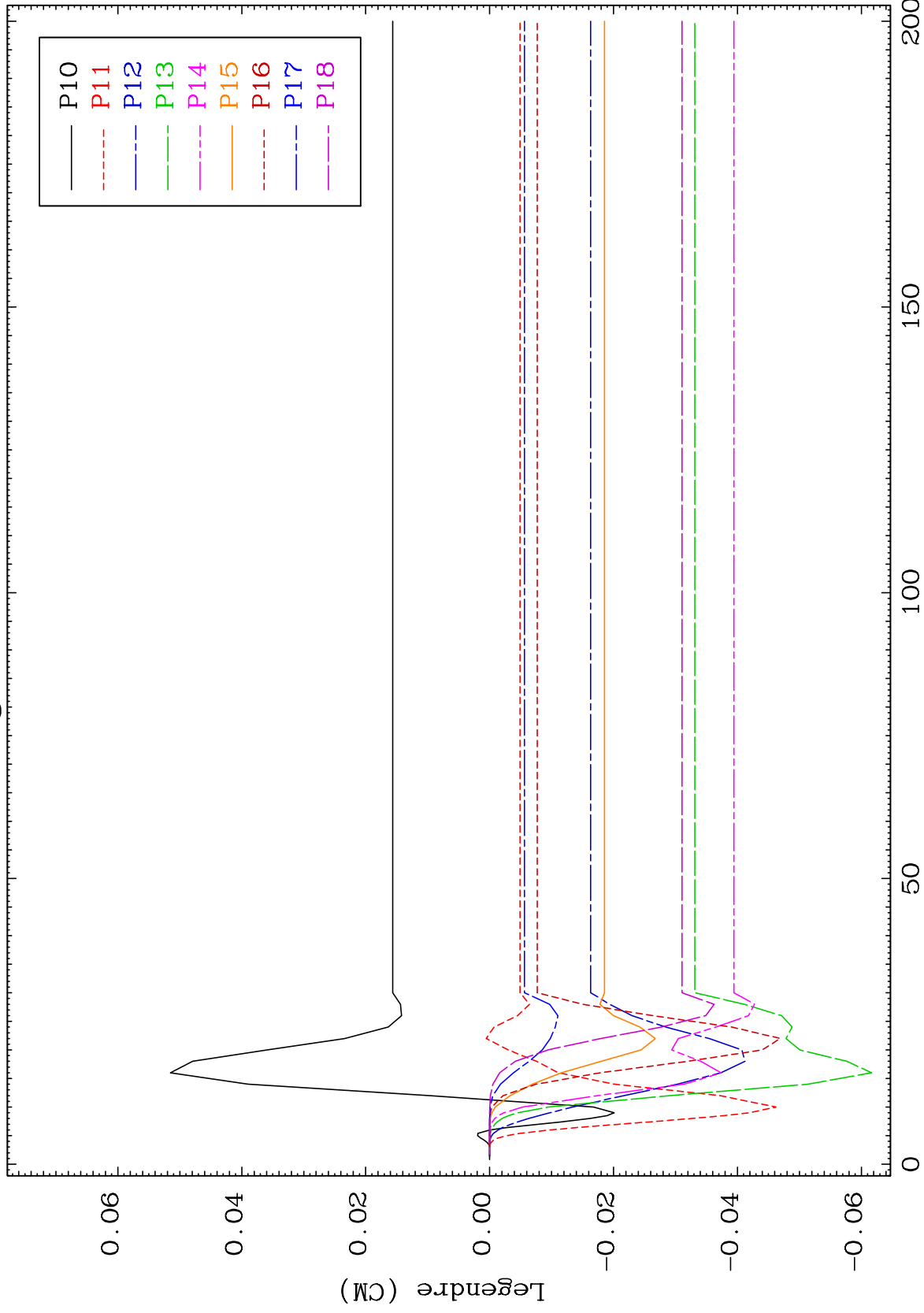
Incident Energy (MeV)

122

MAT 6892

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

69-Tm-158



123

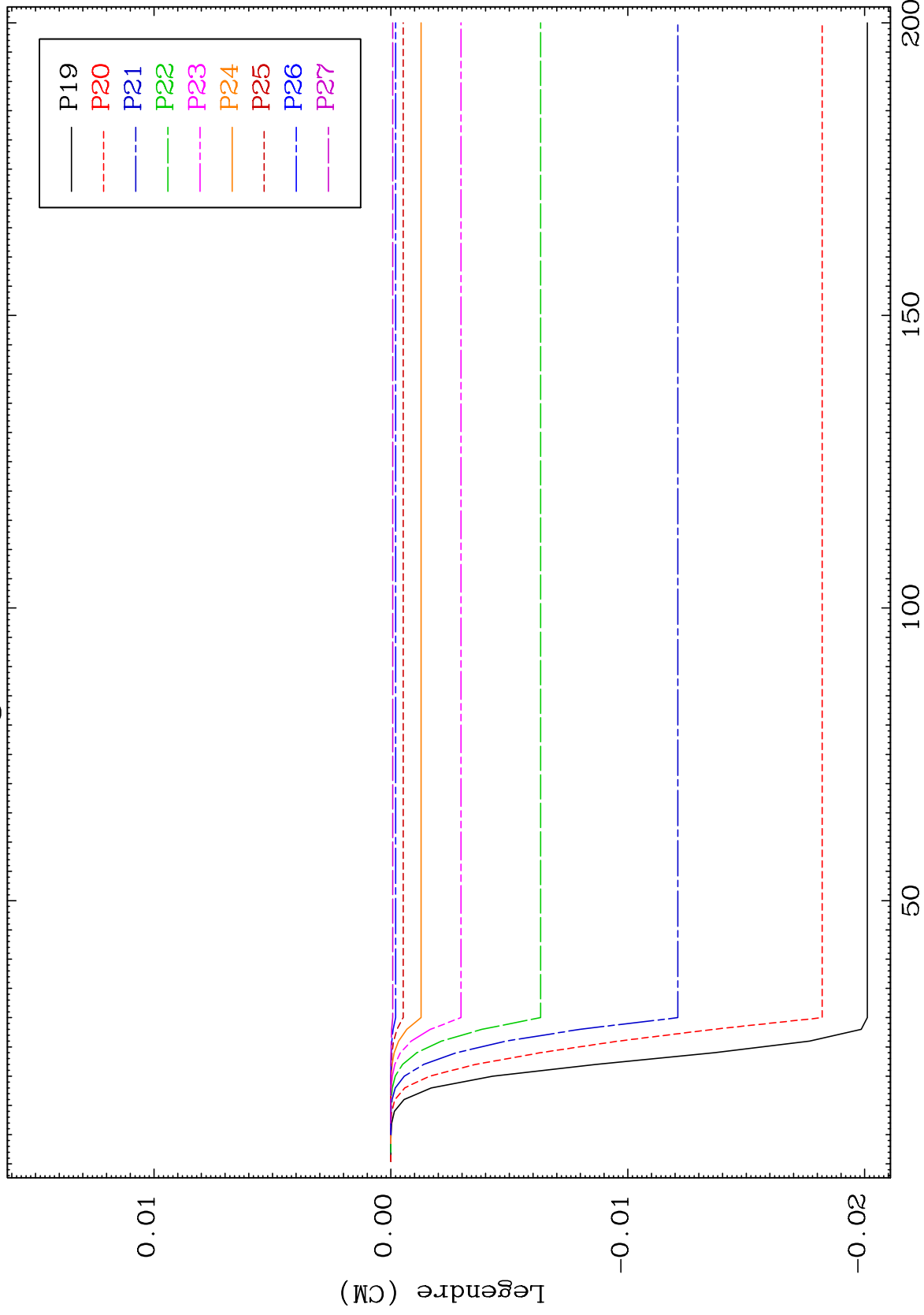
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

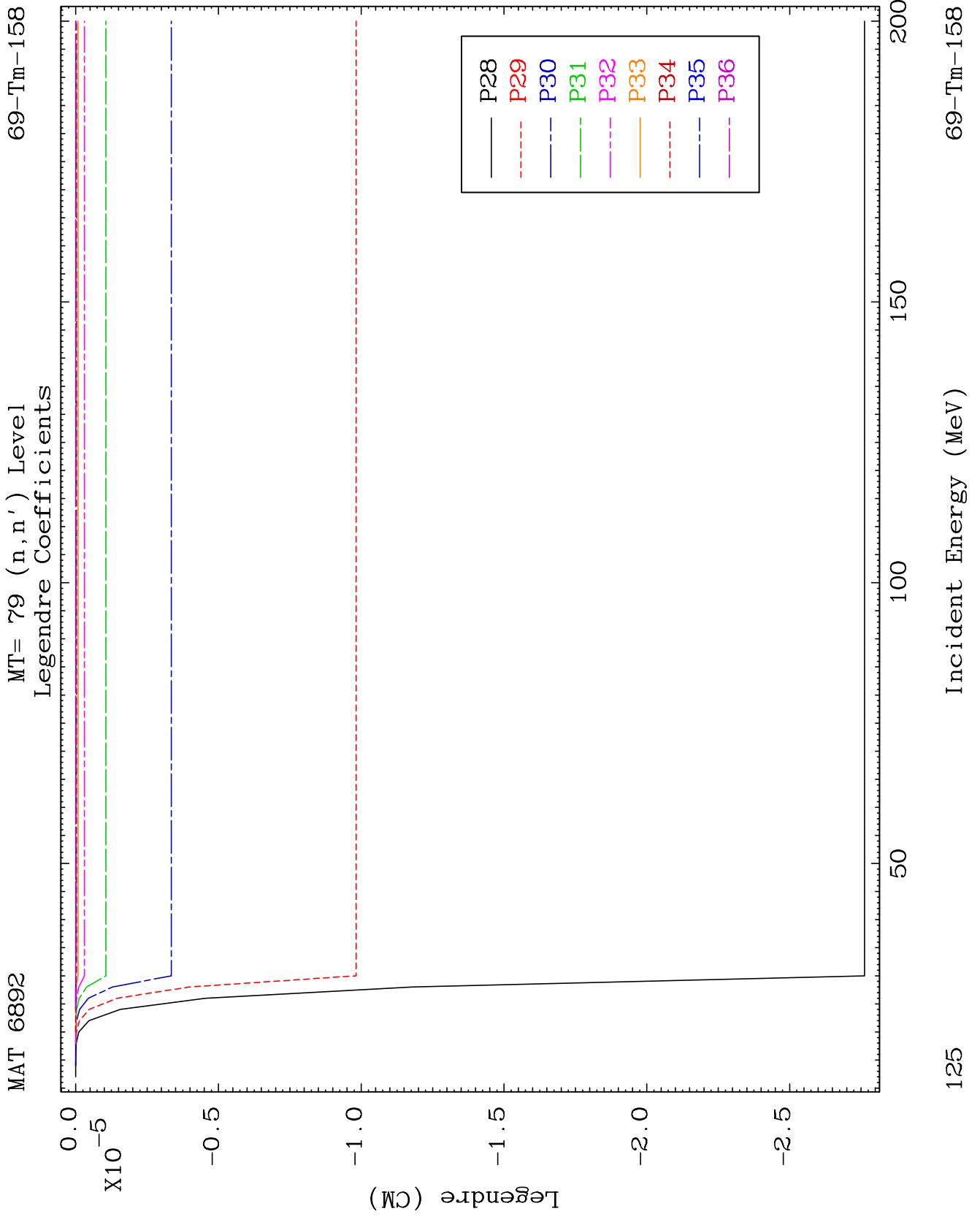
69-Tm-158



124

Incident Energy (MeV)

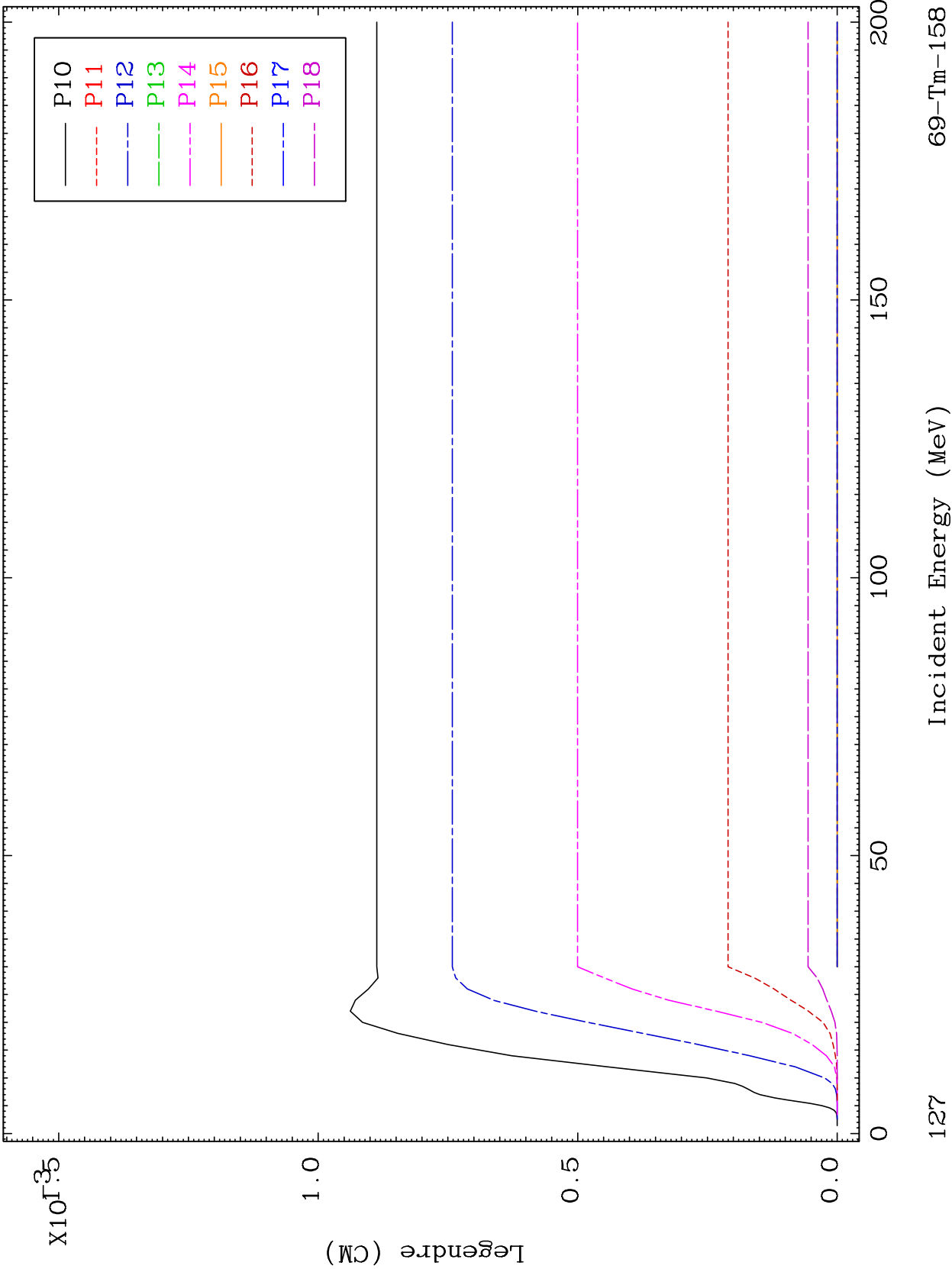
69-Tm-158



MAT 6892

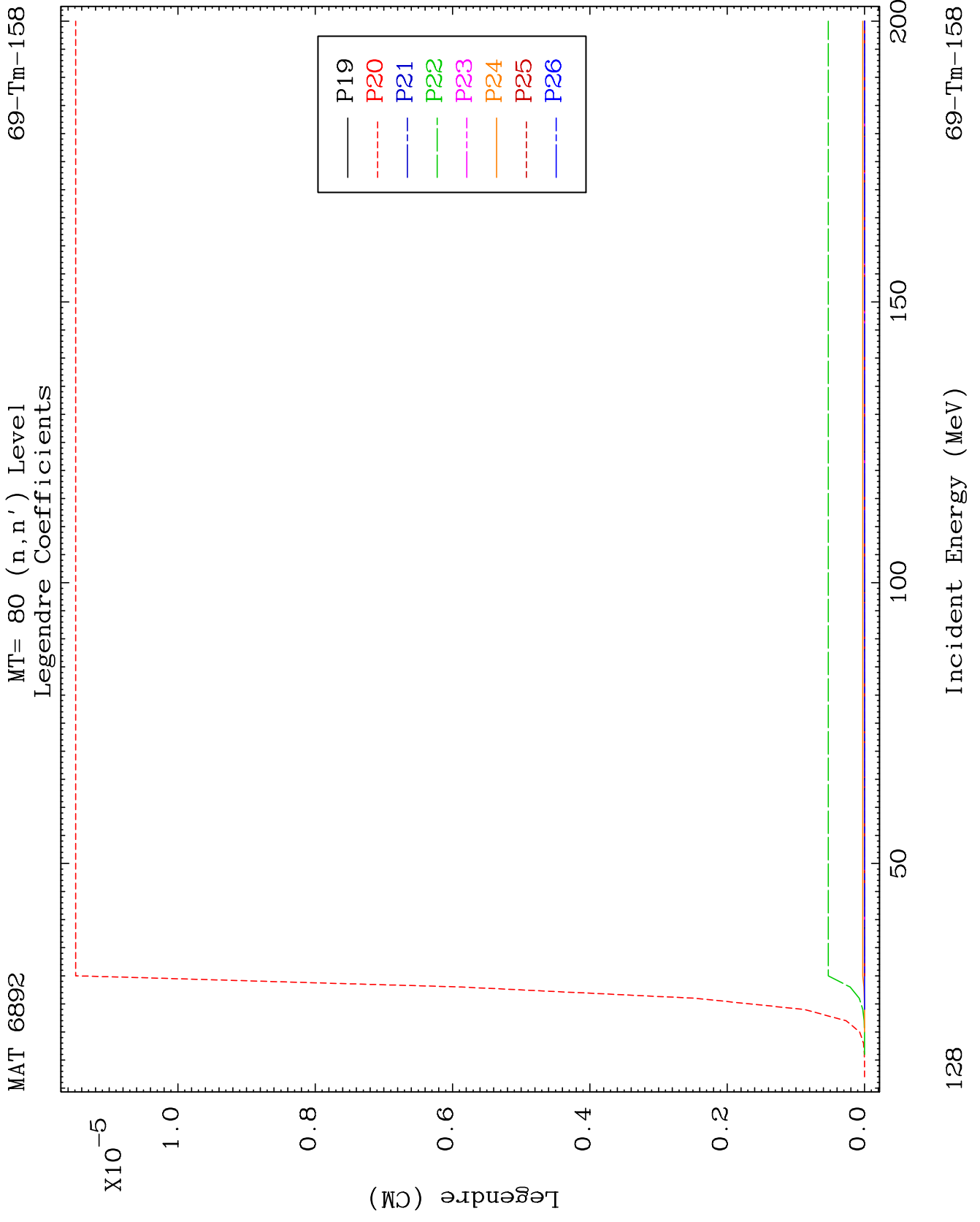
MT= 80 (n,n') Level
Legendre Coefficients

69-Tm-158



127

69-Tm-158

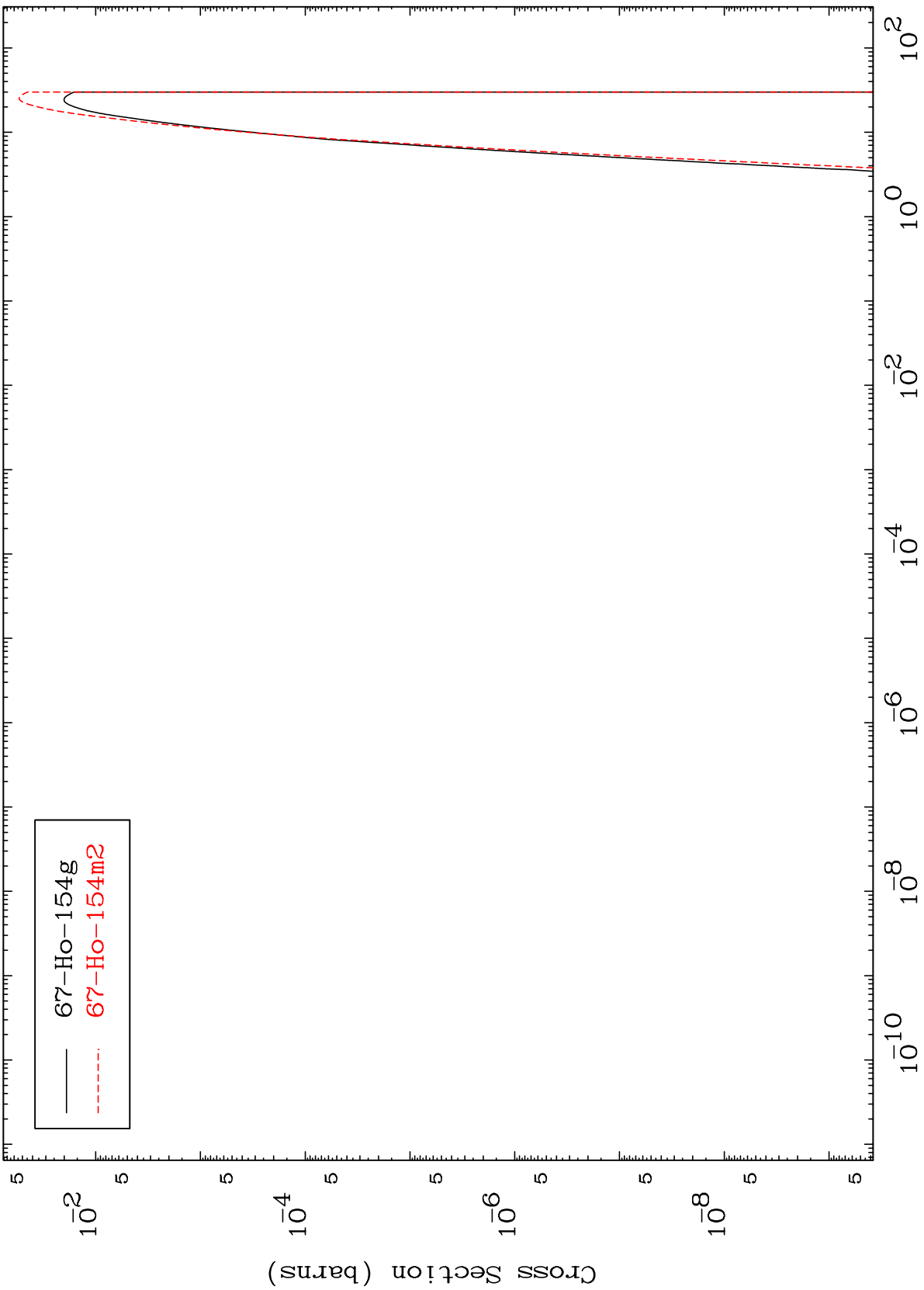


MAT 6892

(n, n') α

69-Tm-158

Radionuclide Production Cross Section

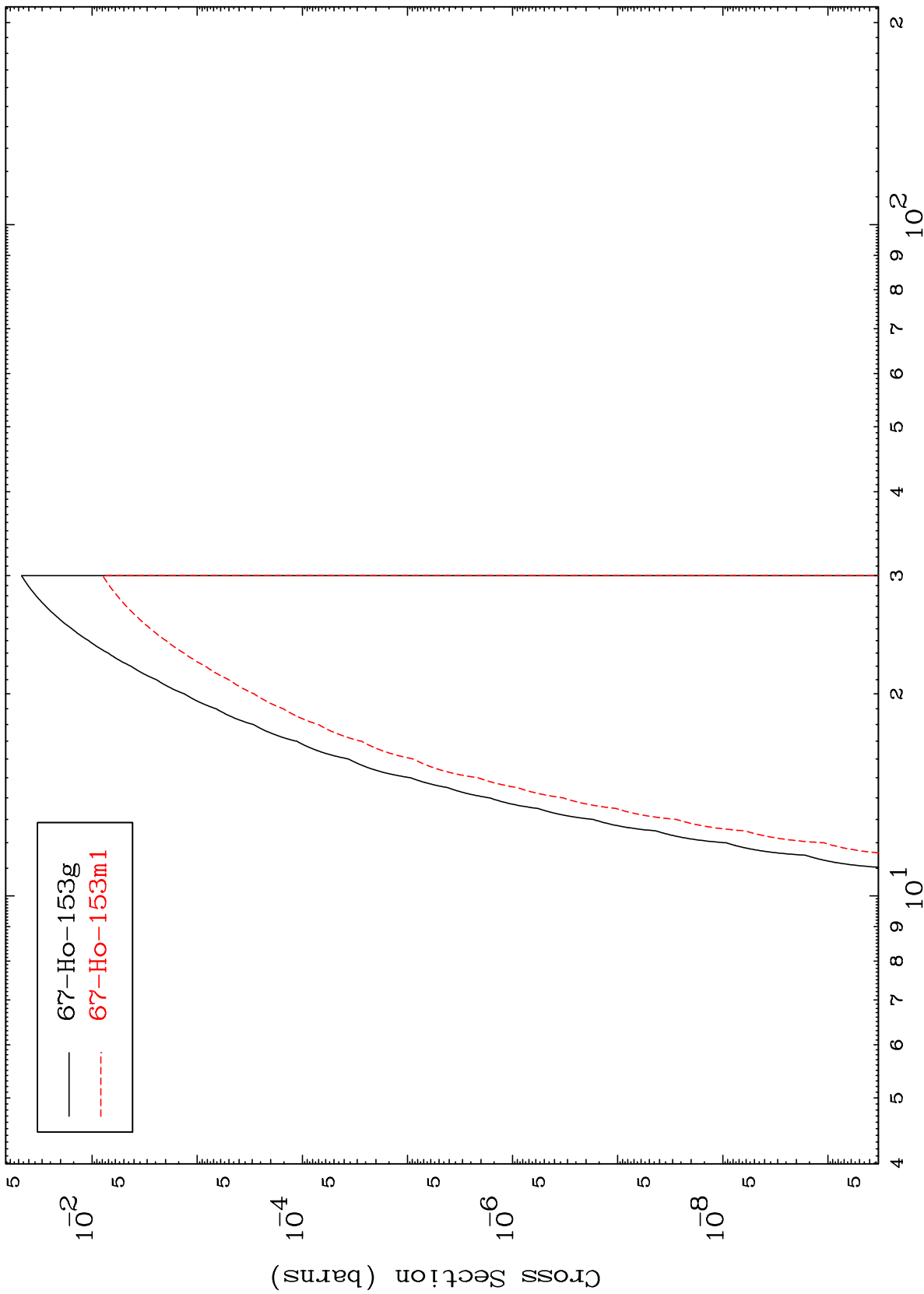


MAT 6892

$(n,2n) \alpha$

69-Tm-158

Radionuclide Production Cross Section



67-Ho-153g
67-Ho-153m1

130

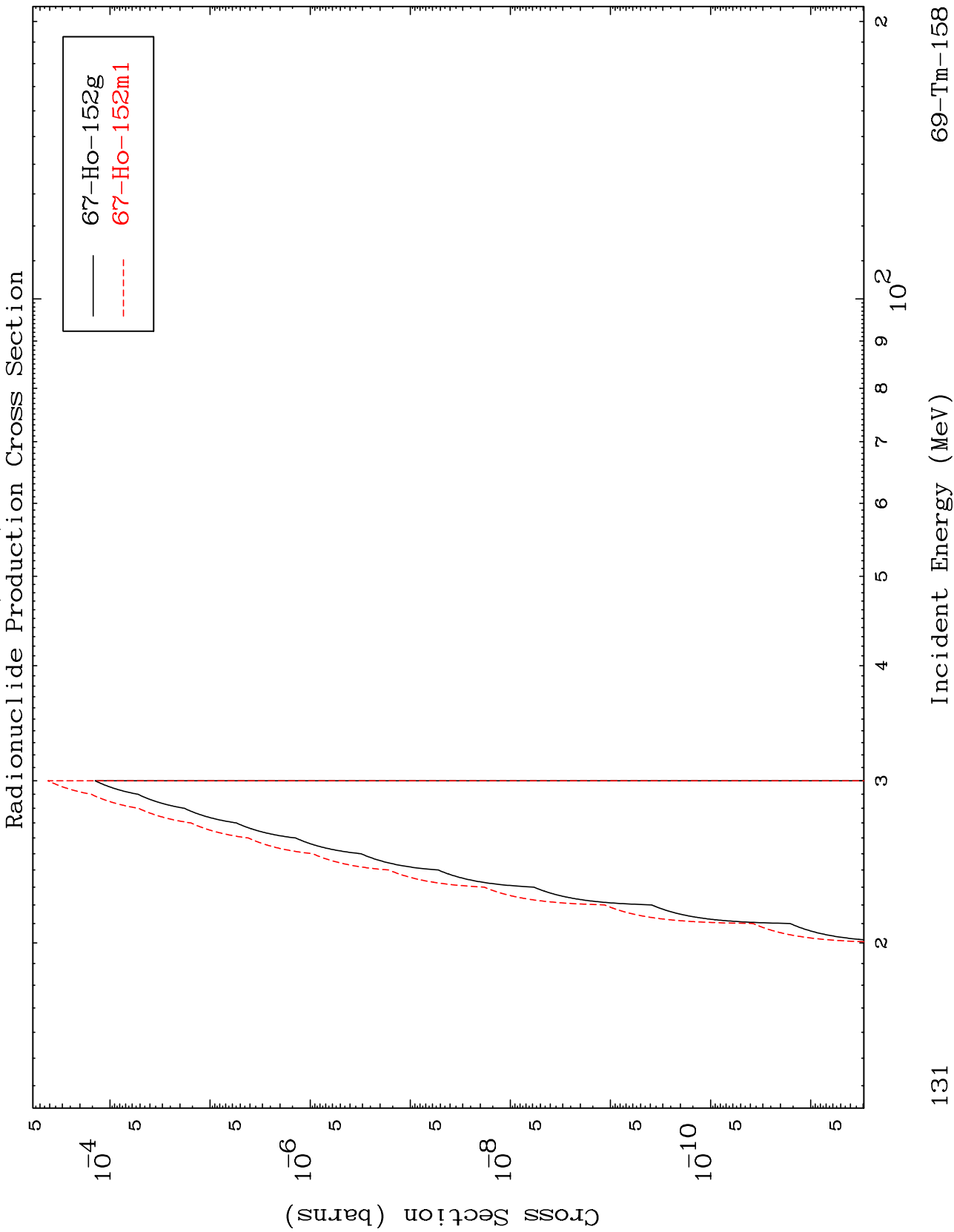
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,3n) α

69-Tm-158



131

Incident Energy (MeV)

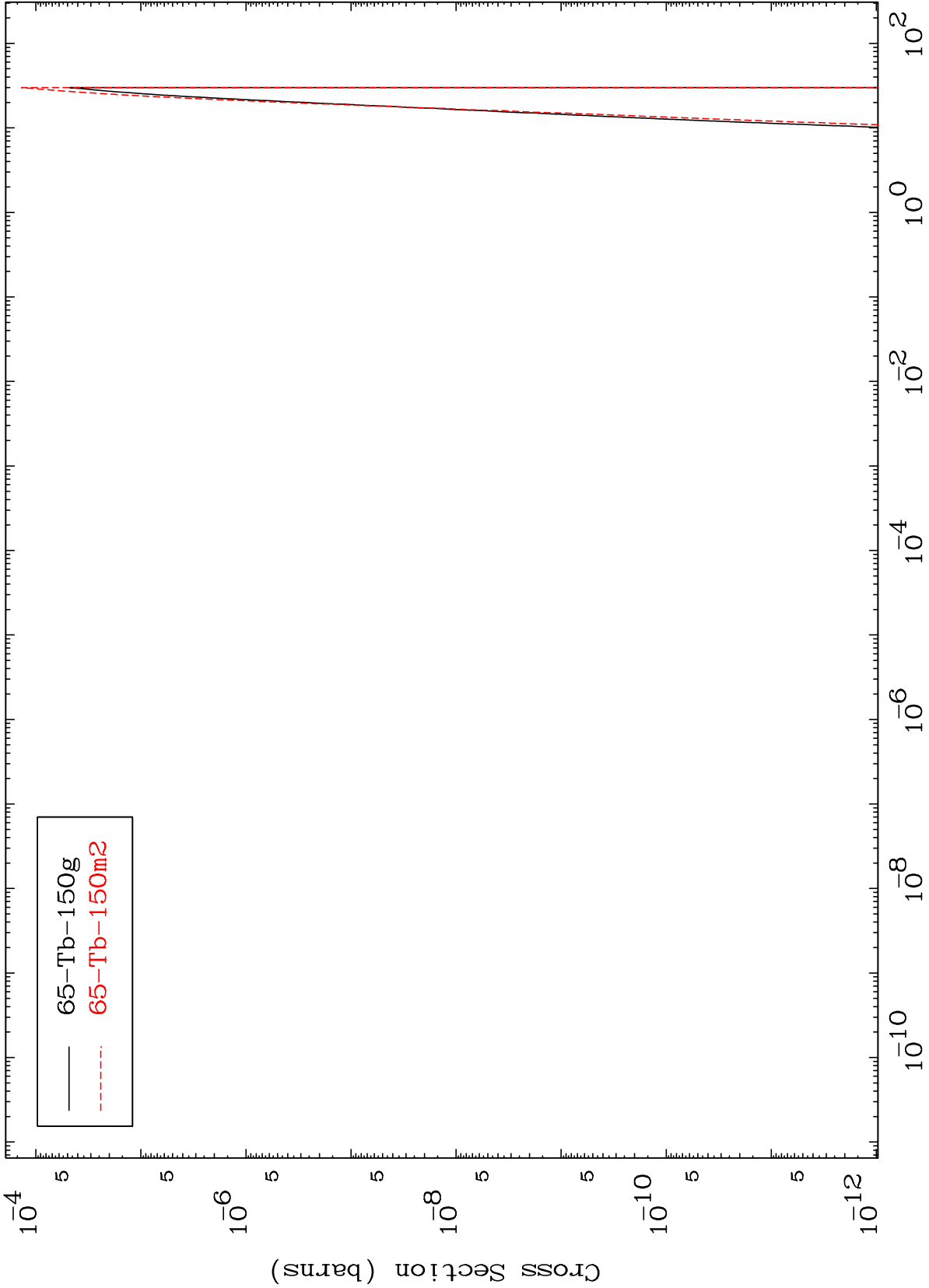
69-Tm-158

MAT 6892

(n,n') 2α

69-Tm-158

Radionuclide Production Cross Section



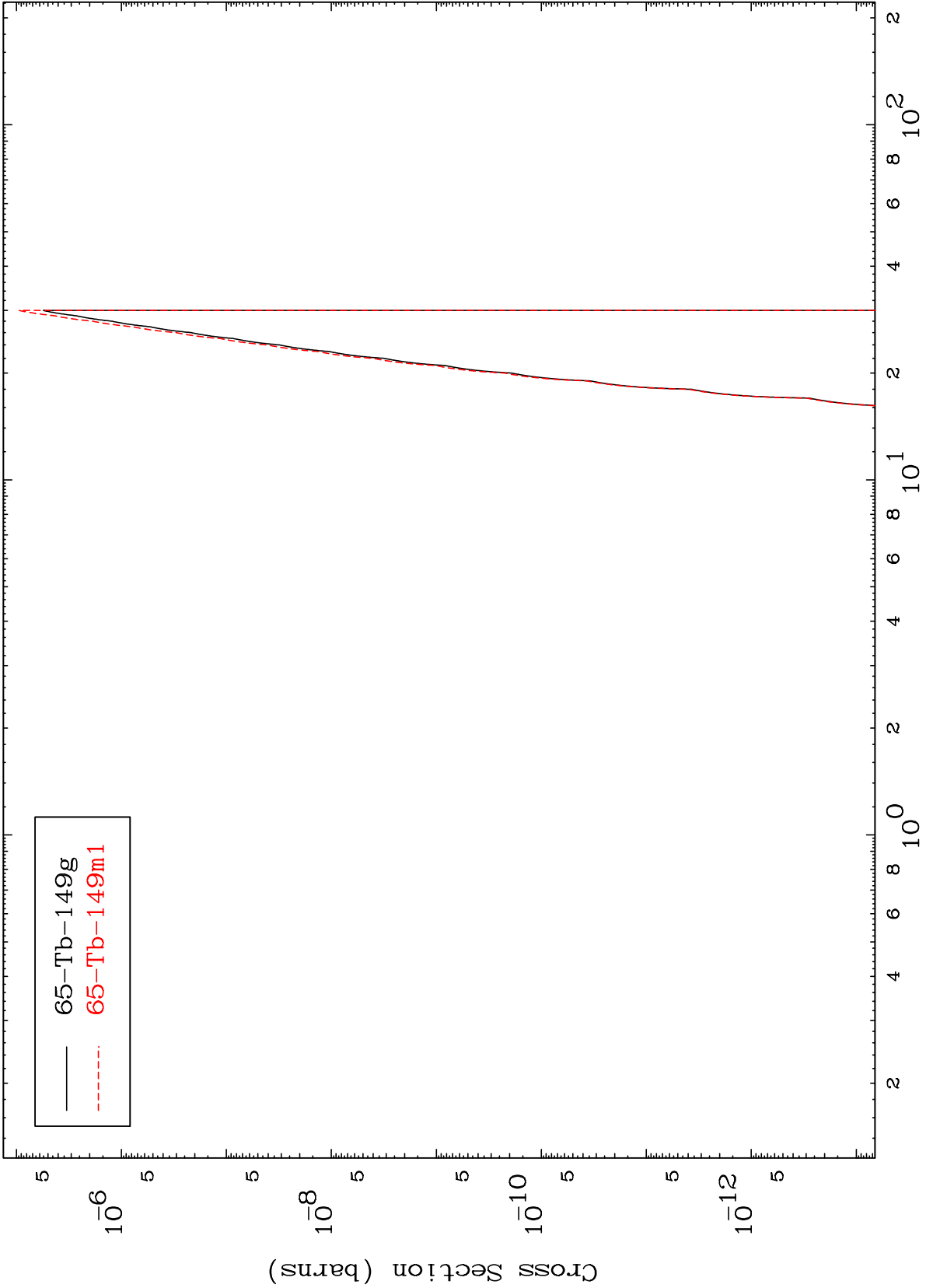
65-Tb-150g
65-Tb-150m2

MAT 6892

$^{69}\text{Tm-158}$

$(n,2n) 2\alpha$

Radionuclide Production Cross Section



133

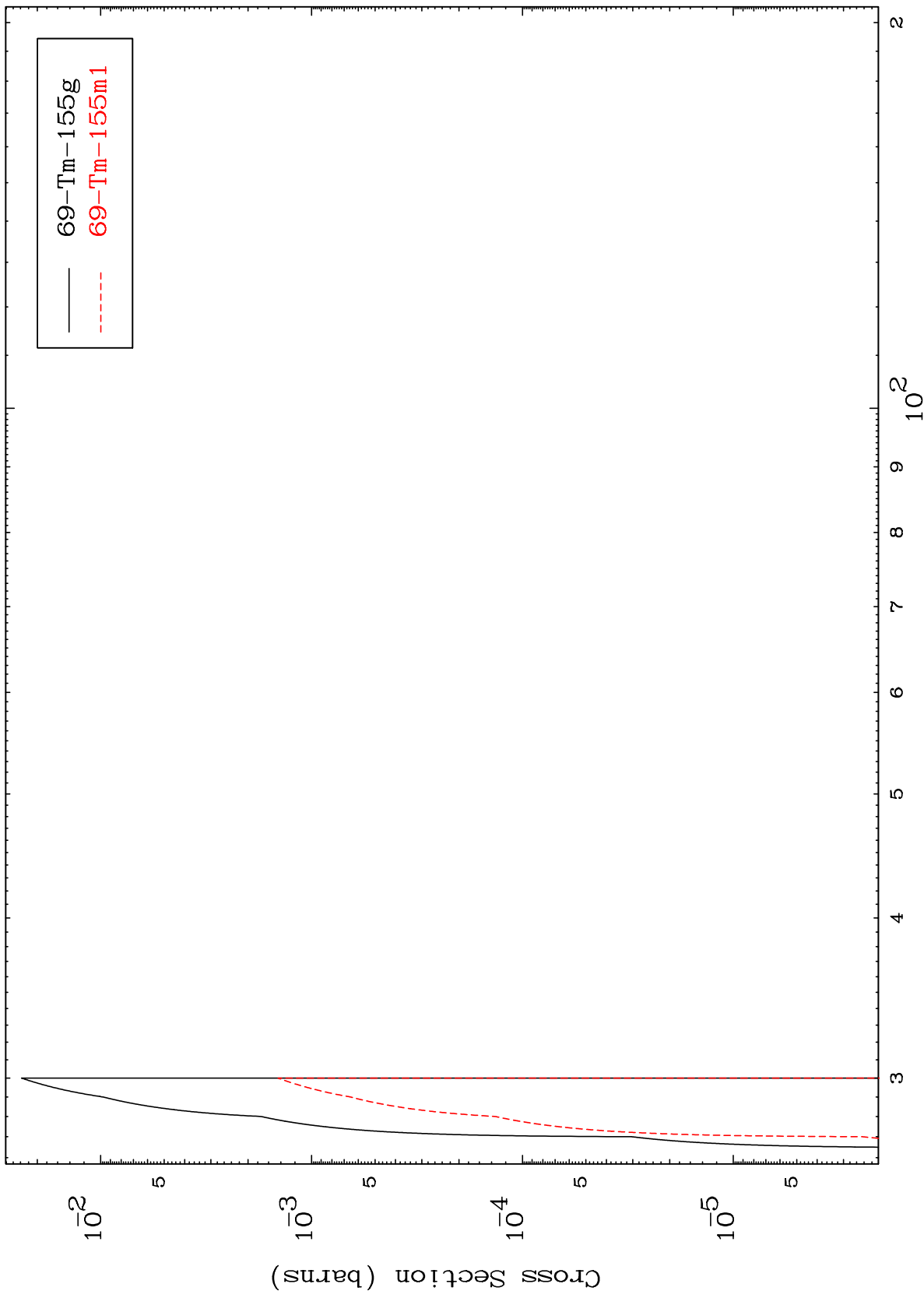
Incident Energy (MeV)

$^{69}\text{Tm-158}$

MAT 6892

69-Tm-158

(n,4n)
Radionuclide Production Cross Section



69-Tm-158

Incident Energy (MeV)

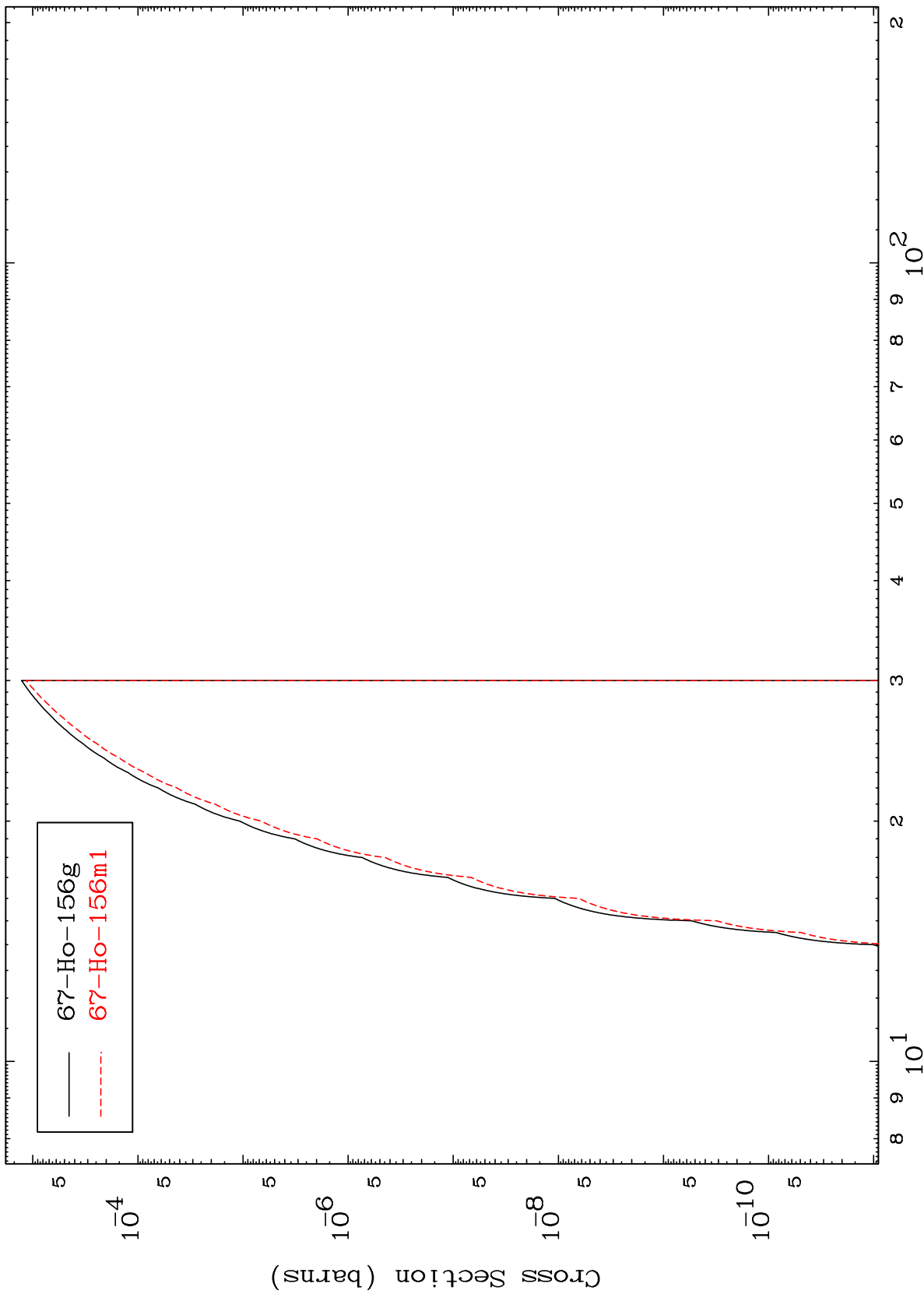
134

MAT 6892

(n,2n) p

69-Tm-158

Radionuclide Production Cross Section



135

Incident Energy (MeV)

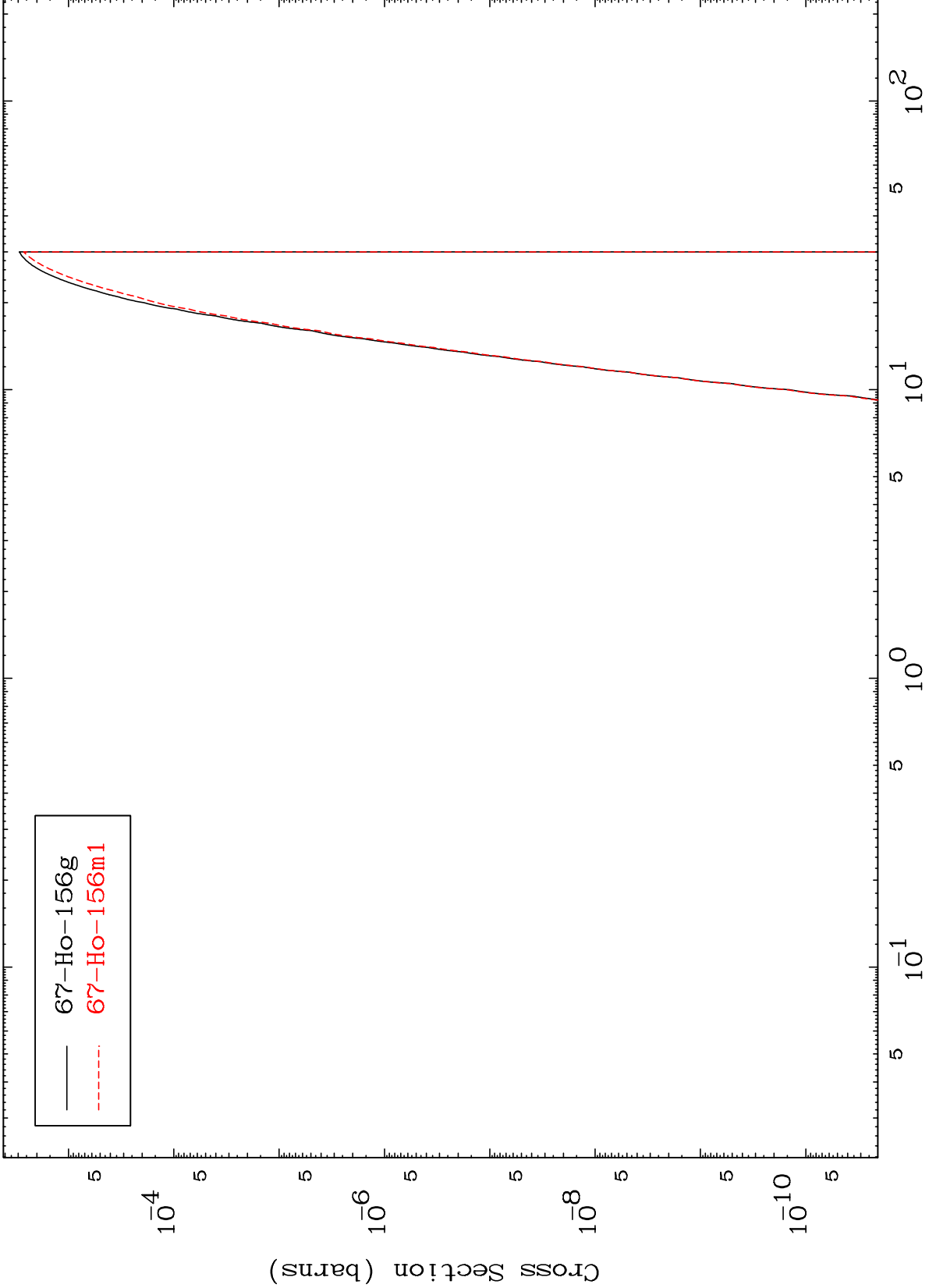
69-Tm-158

MAT 6892

(n,He-3)

69-Tm-158

Radionuclide Production Cross Section



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

136

Incident Energy (MeV)

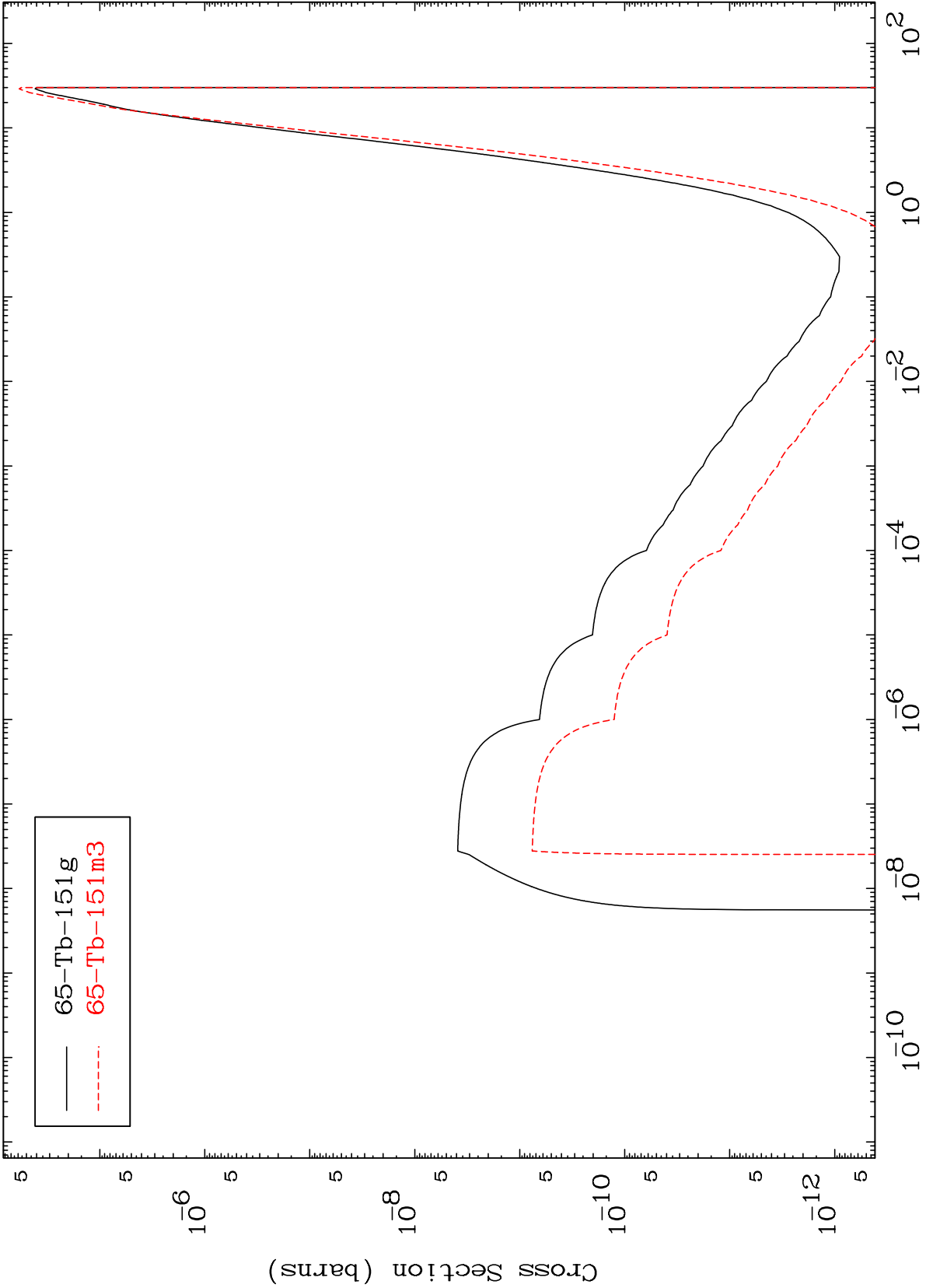
69-Tm-158

MAT 6892

(n,2α)

69-Tm-158

Radionuclide Production Cross Section



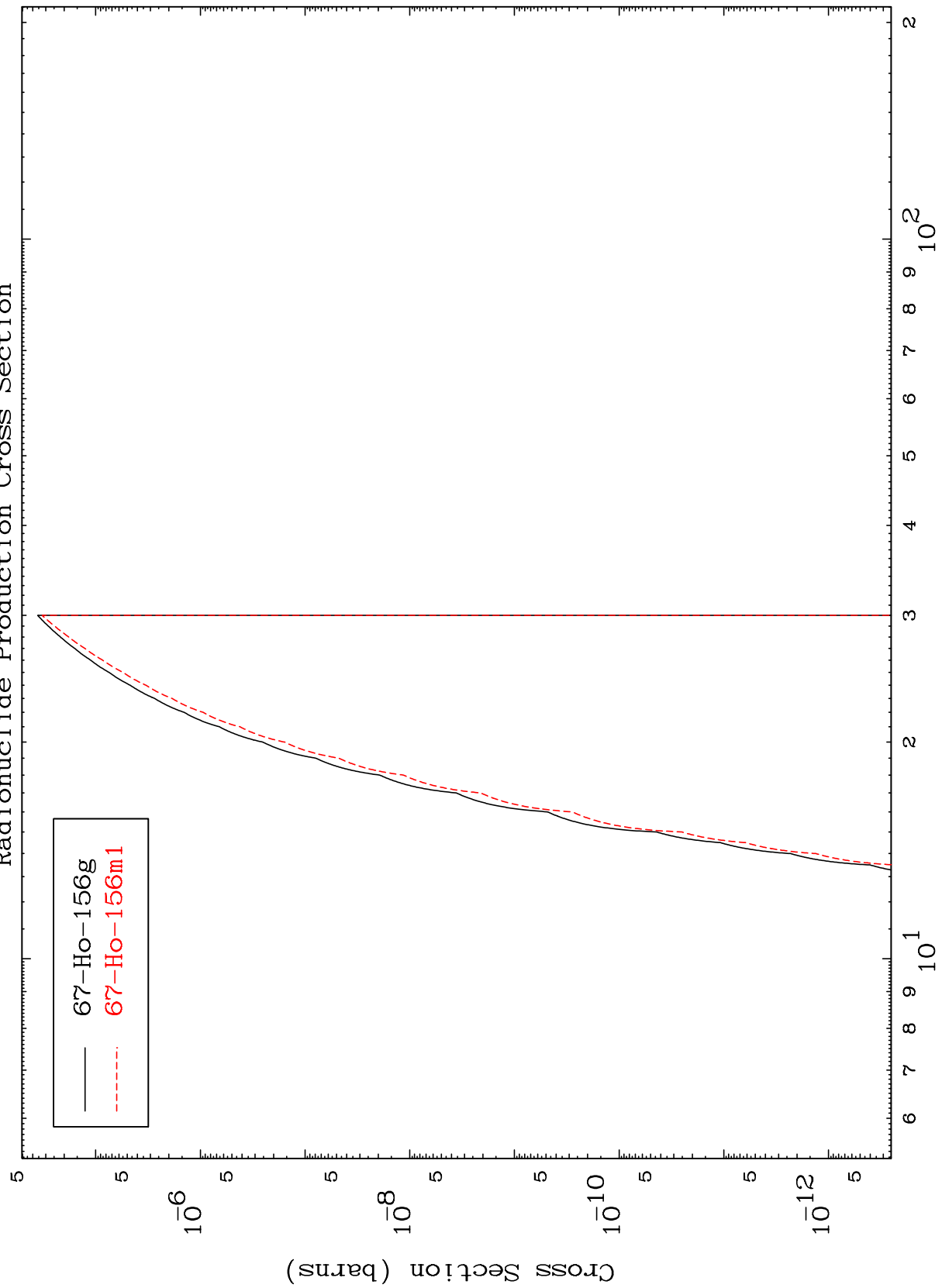
65-Tb-151g
65-Tb-151m3

MAT 6892

(n,p) d

⁶⁹Tm-158

Radionuclide Production Cross Section



— 67-Ho-156g
- - - 67-Ho-156m1

138

Incident Energy (MeV)

⁶⁹Tm-158