

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

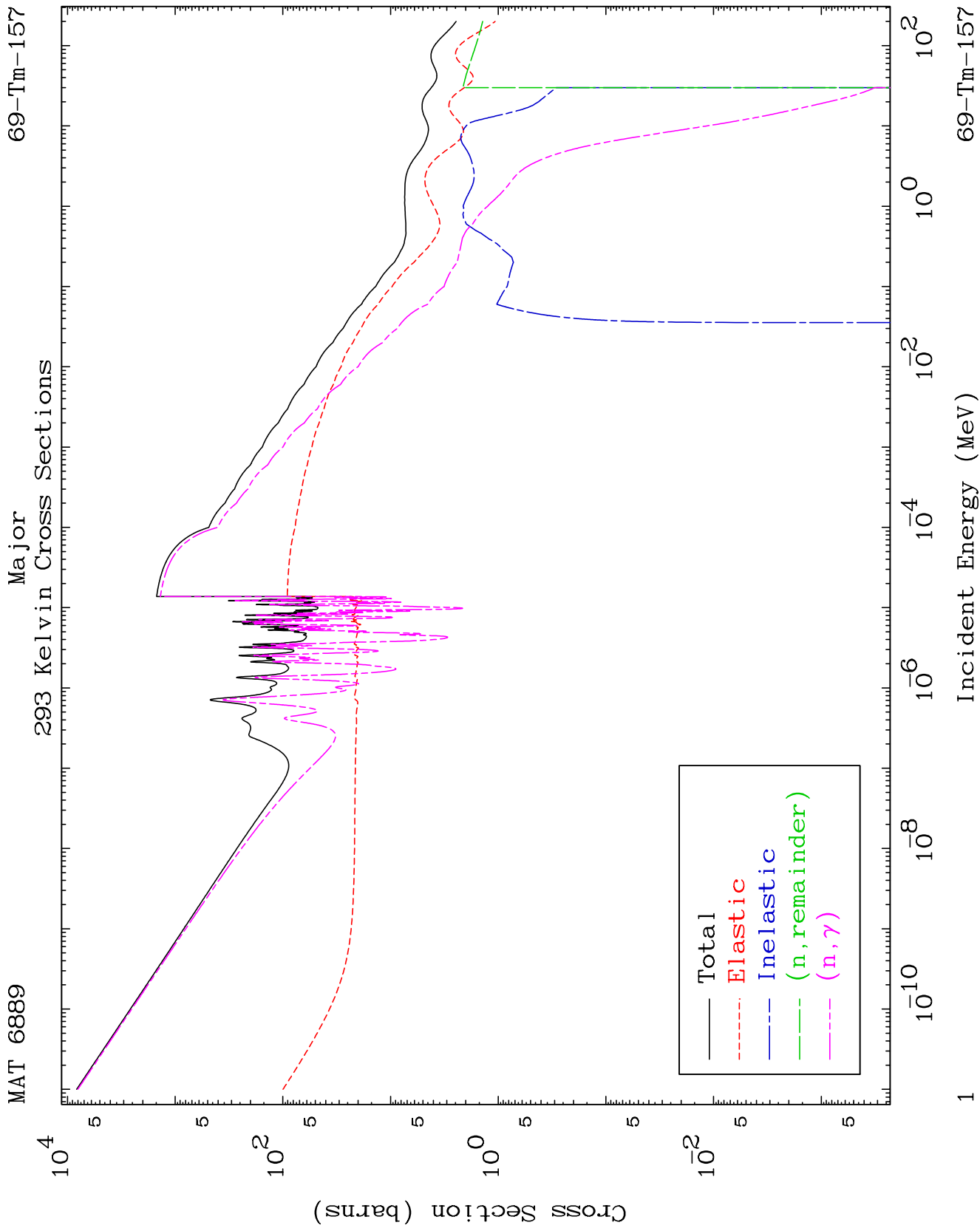
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

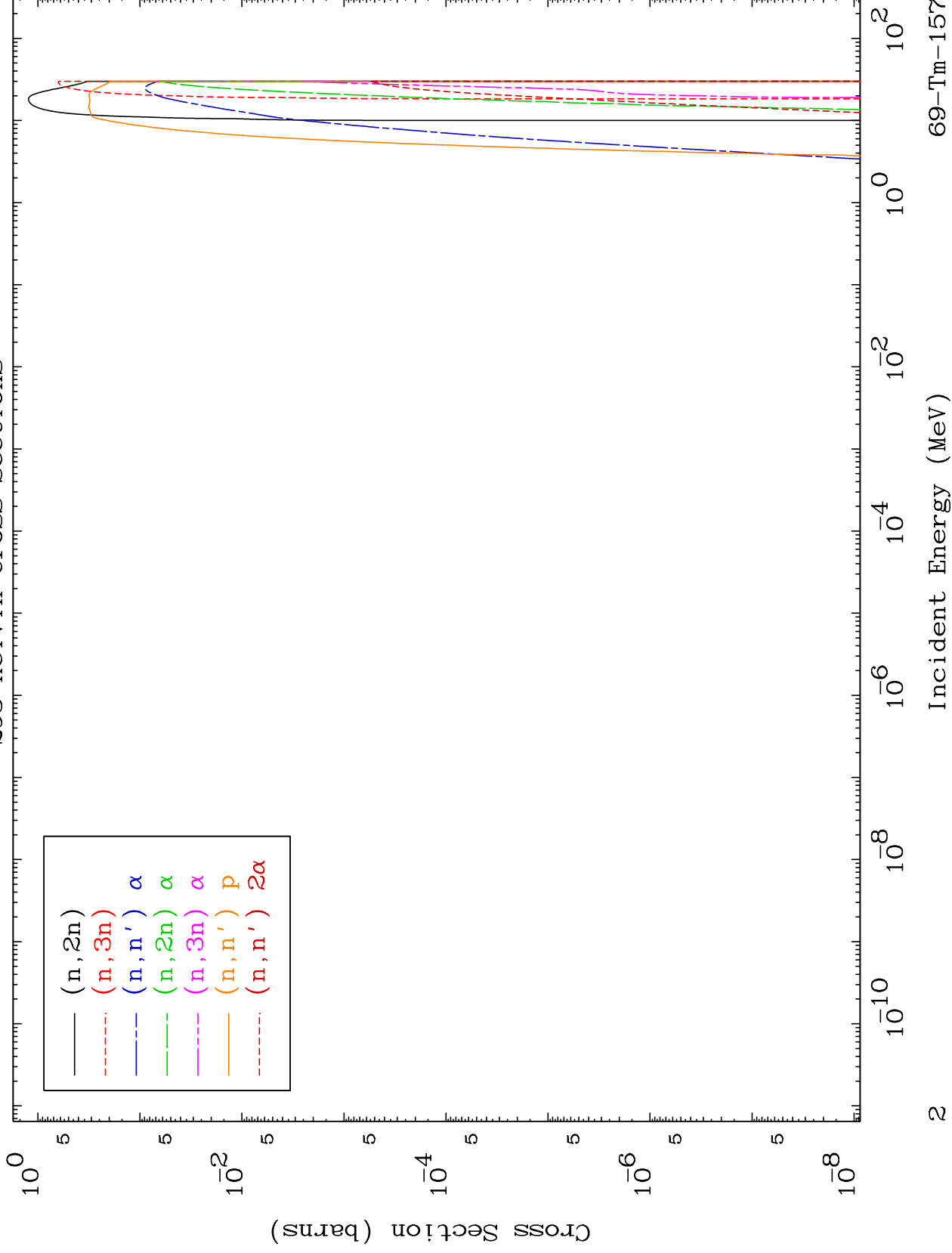
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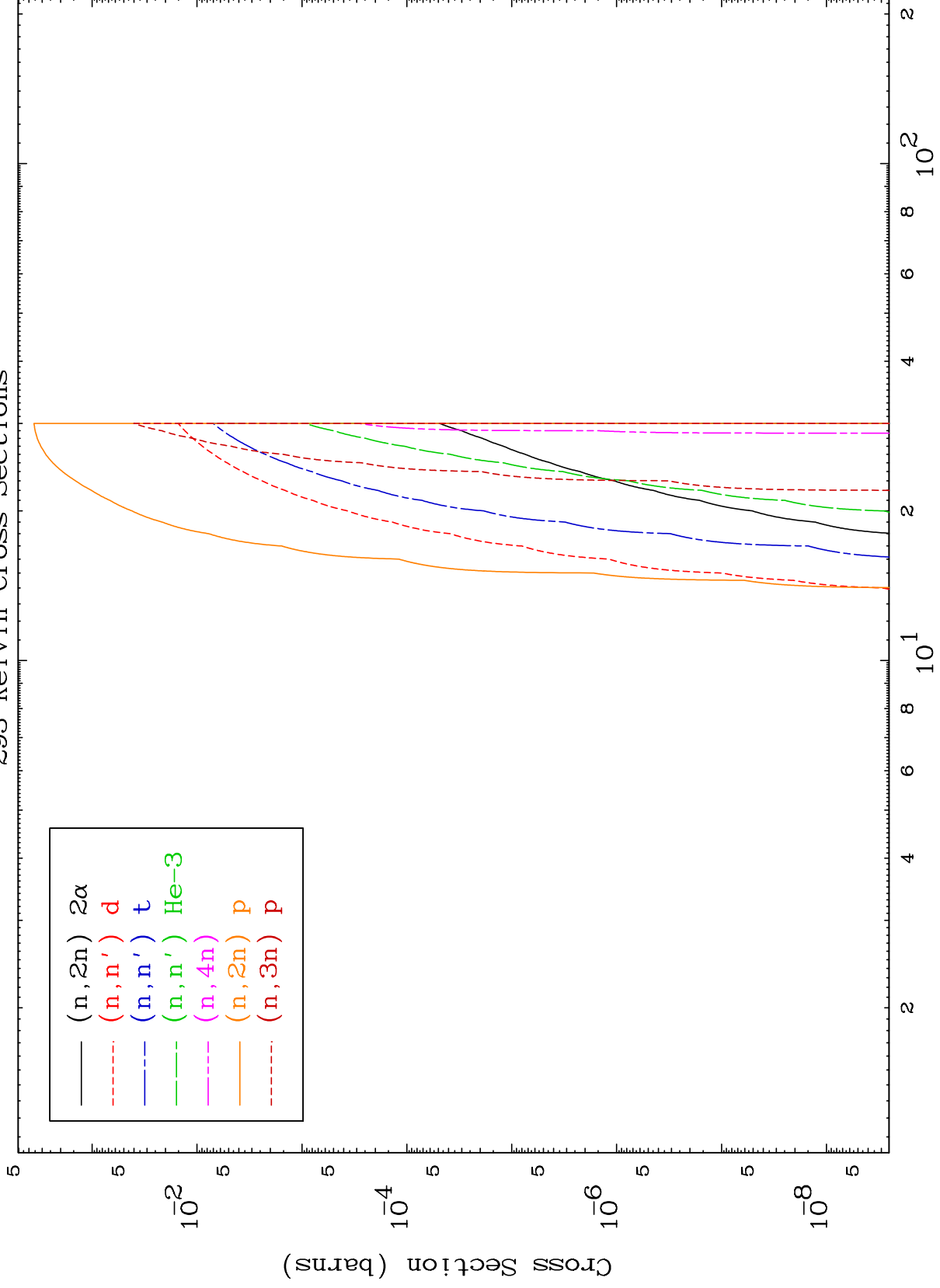


MAT 6889

Neutron Production  
293 Kelvin Cross Sections

69-Tm-157

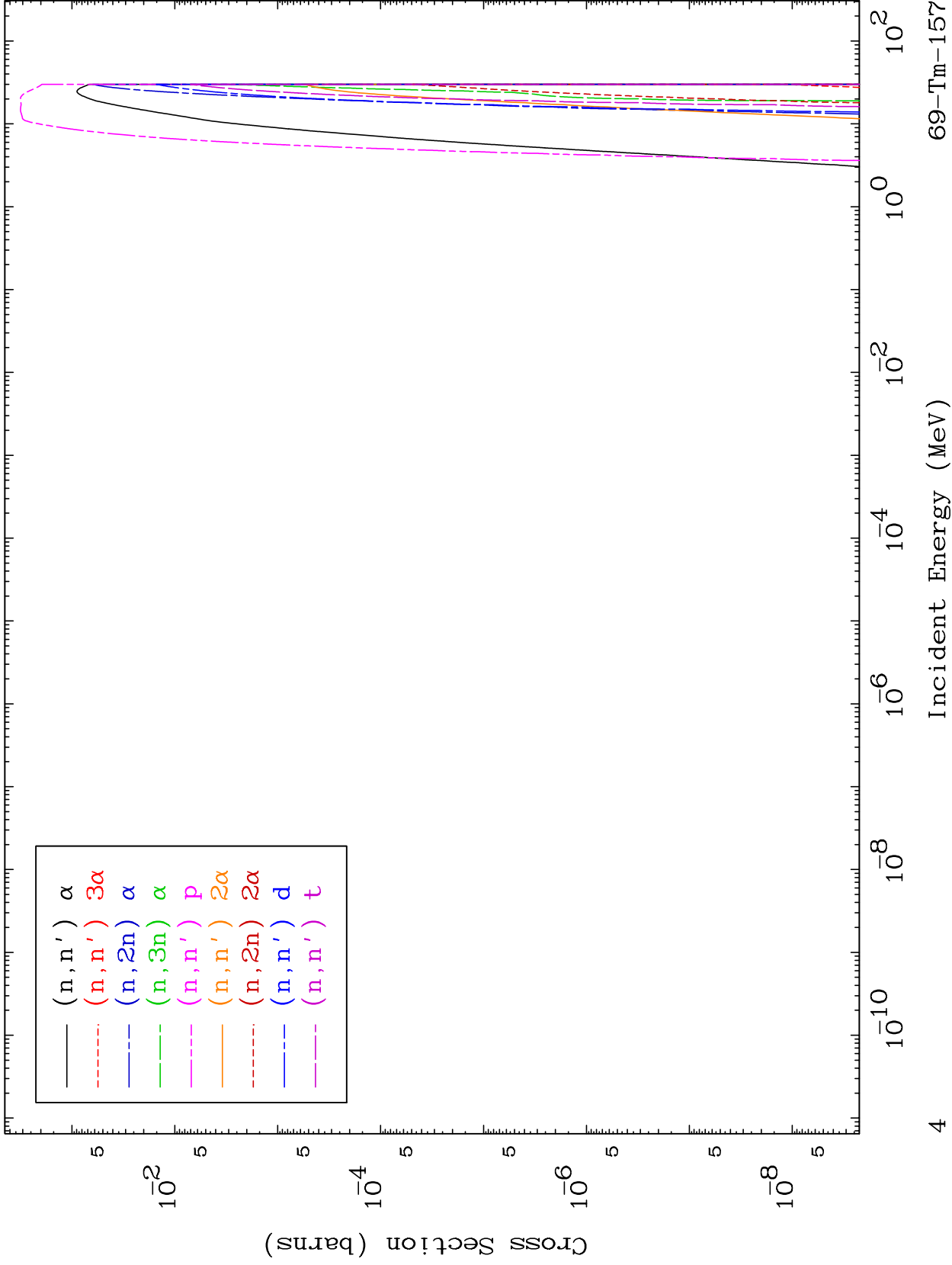




MAT 6889

Charged Particle  
293 Kelvin Cross Sections

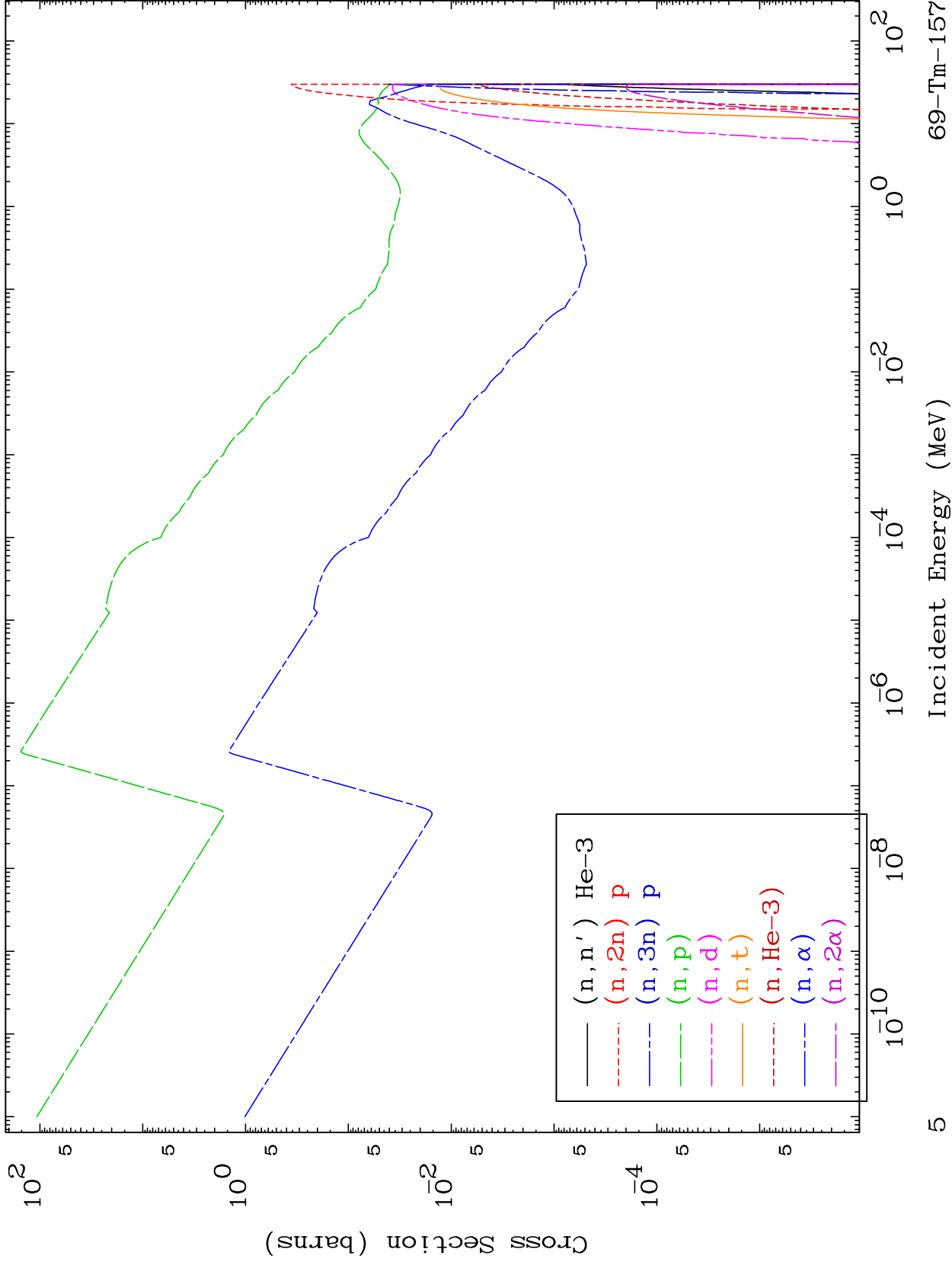
69-Tm-157



MAT 6889

Charged Particle  
293 Kelvin Cross Sections

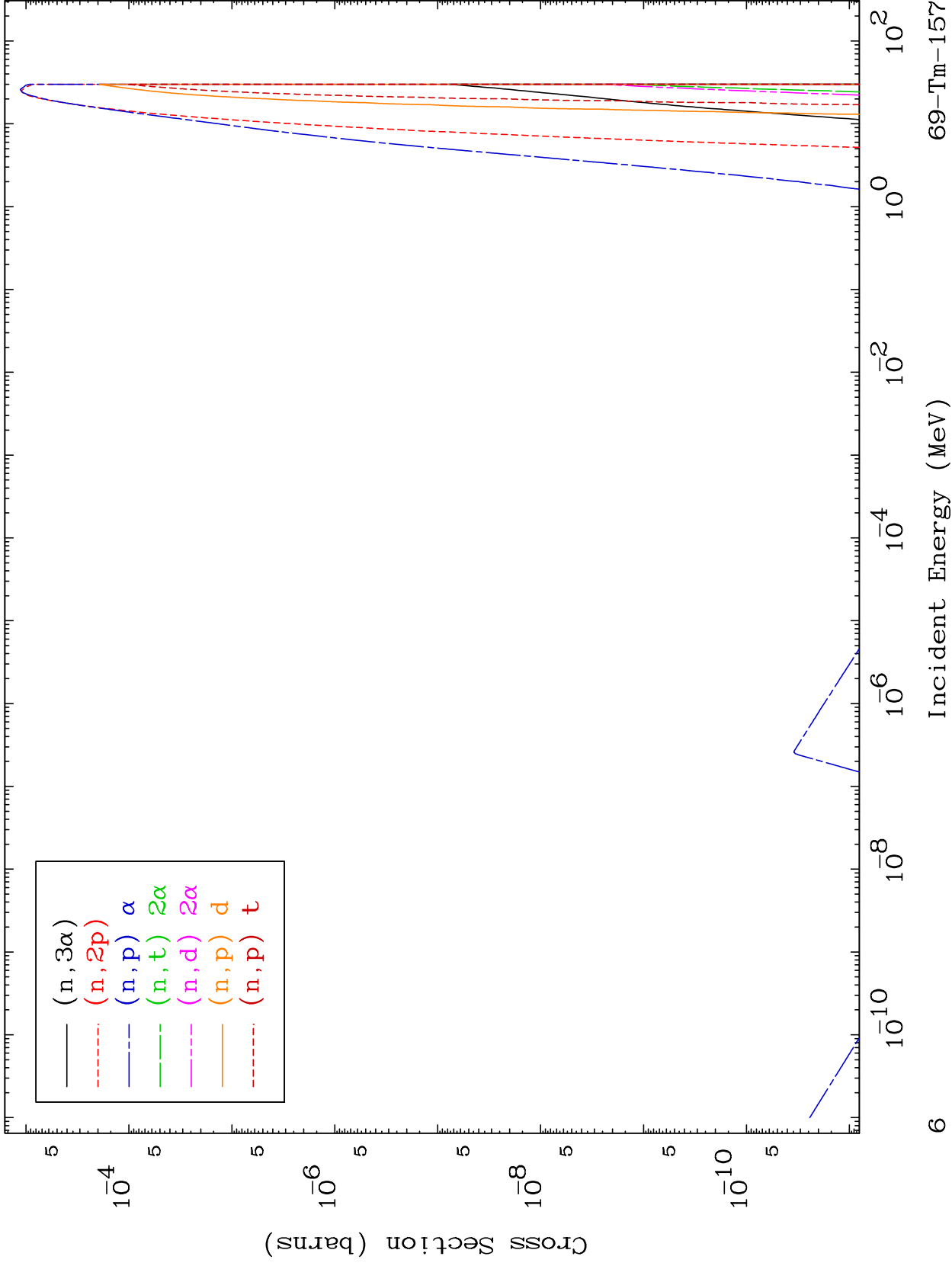
69-Tm-157



MAT 6889

Charged Particle  
293 Kelvin Cross Sections

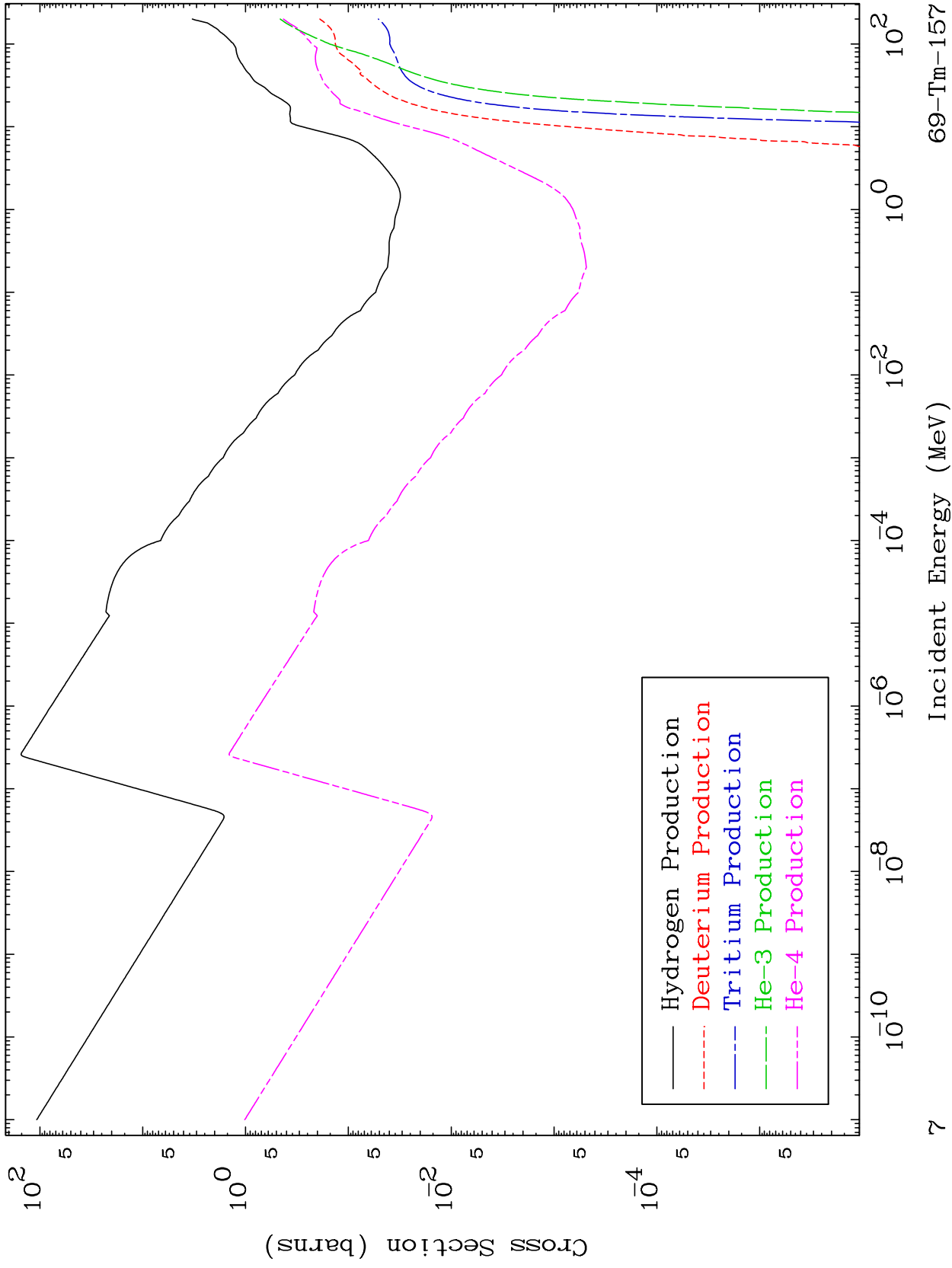
69-Tm-157



MAT 6889

Particle Production  
293 Kelvin Cross Sections

69-Tm-157

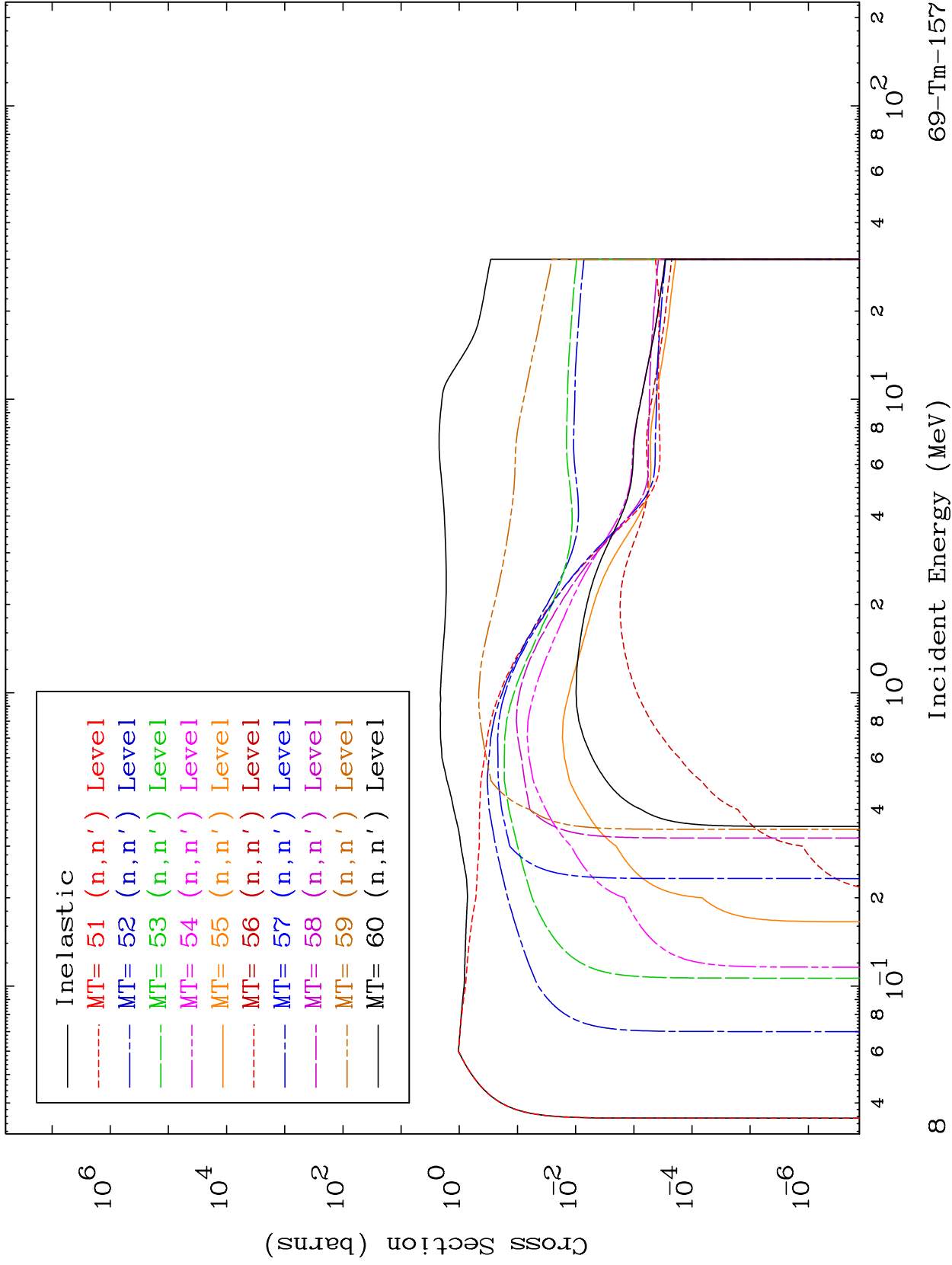




MAT 6889

(n,n') Level  
293 Kelvin Cross Sections

69-Tm-157

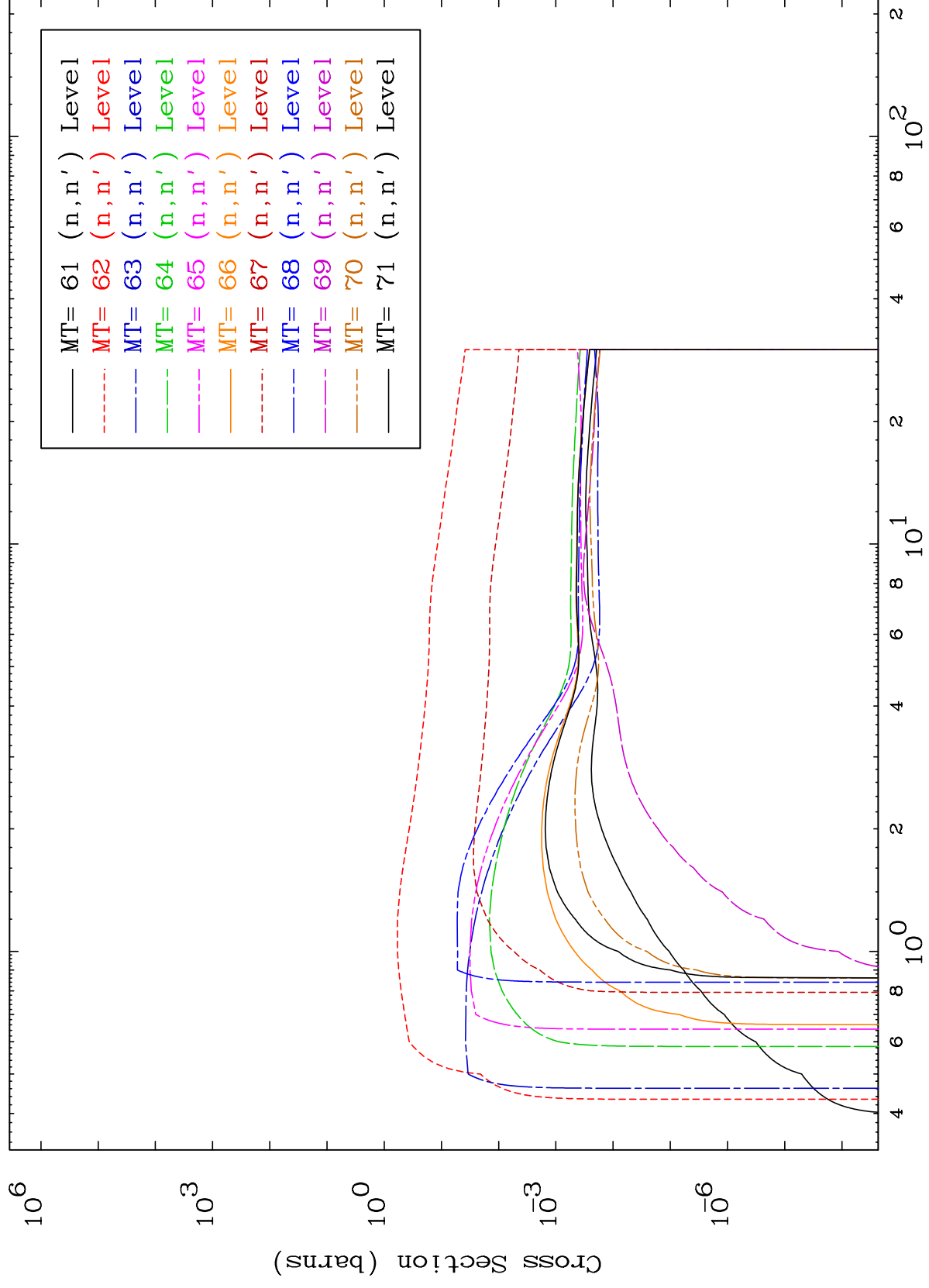


MAT 6889

(n,n') Level

69-Tm-157

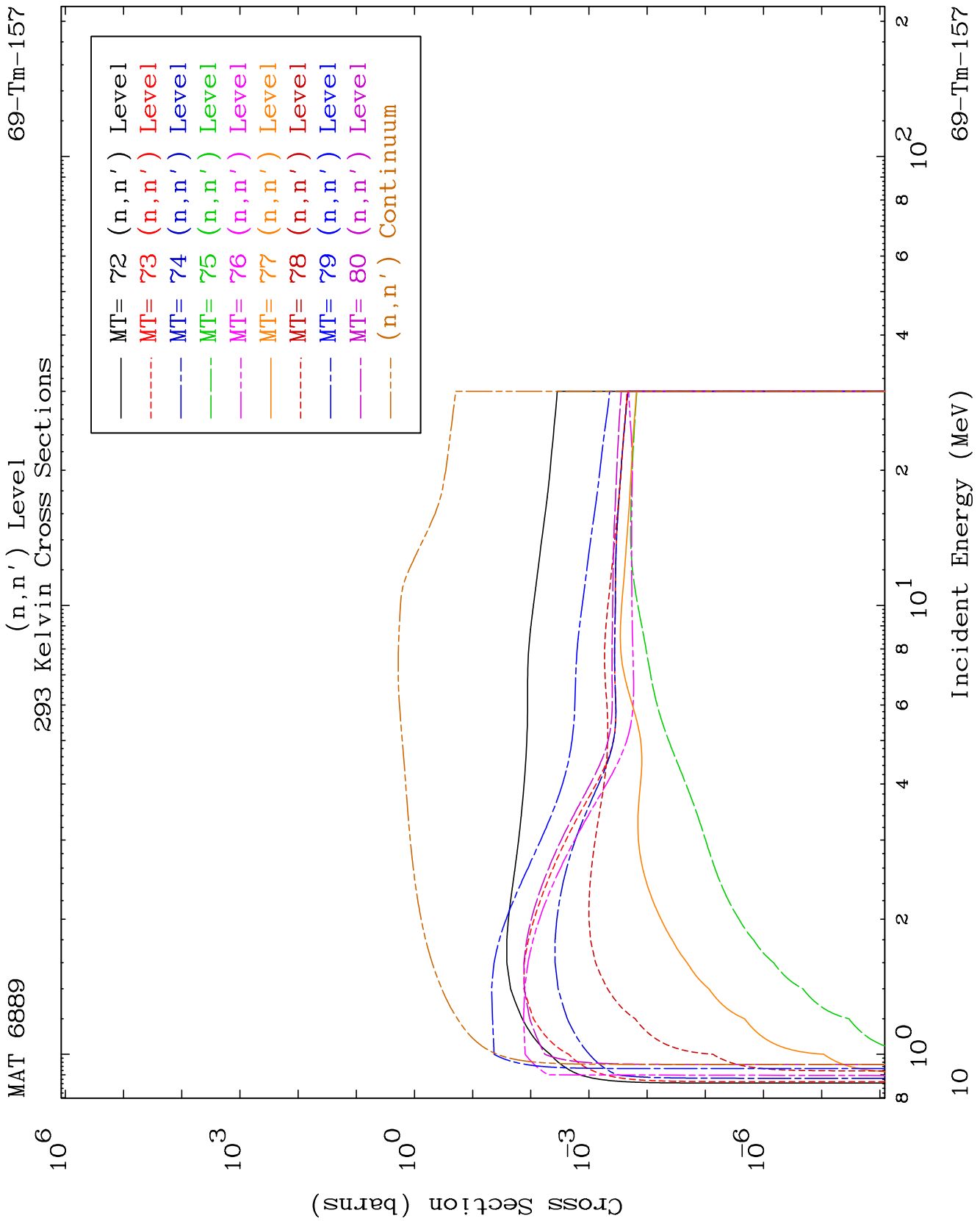
293 Kelvin Cross Sections



9

Incident Energy (MeV)

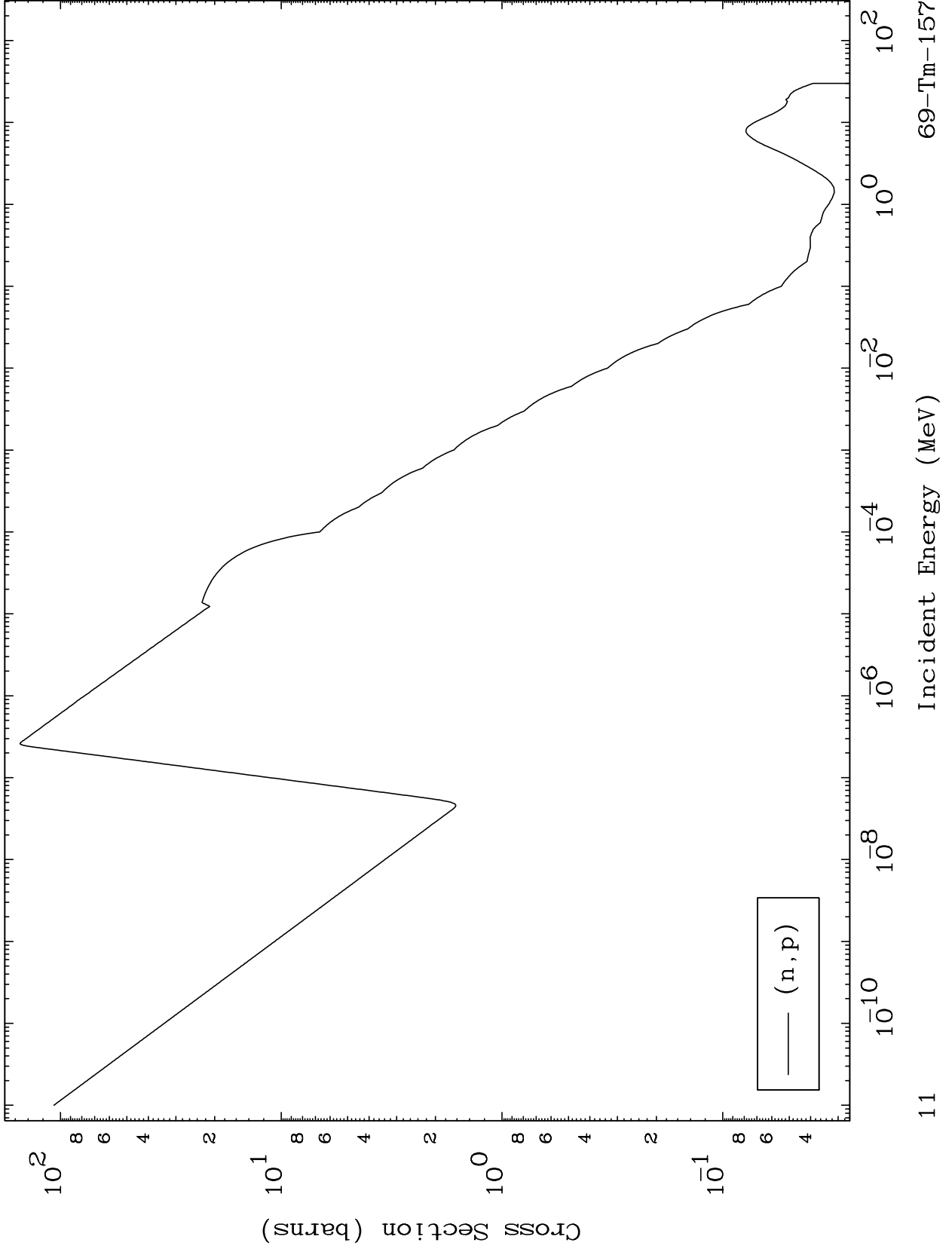
69-Tm-157



MAT 6889

(n,p) Levels  
293 Kelvin Cross Sections

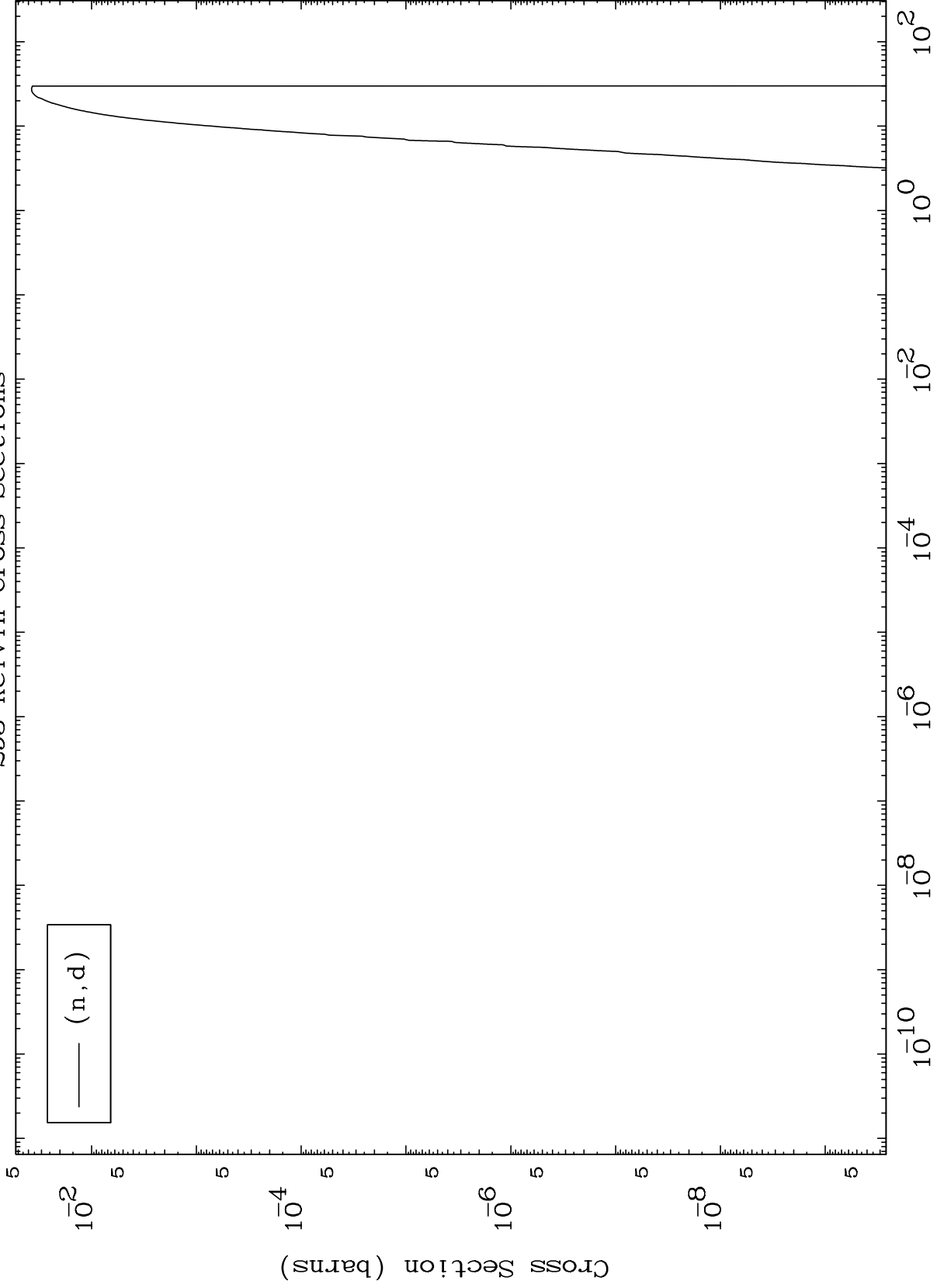
69-Tm-157



MAT 6889

(n,d) Levels  
293 Kelvin Cross Sections

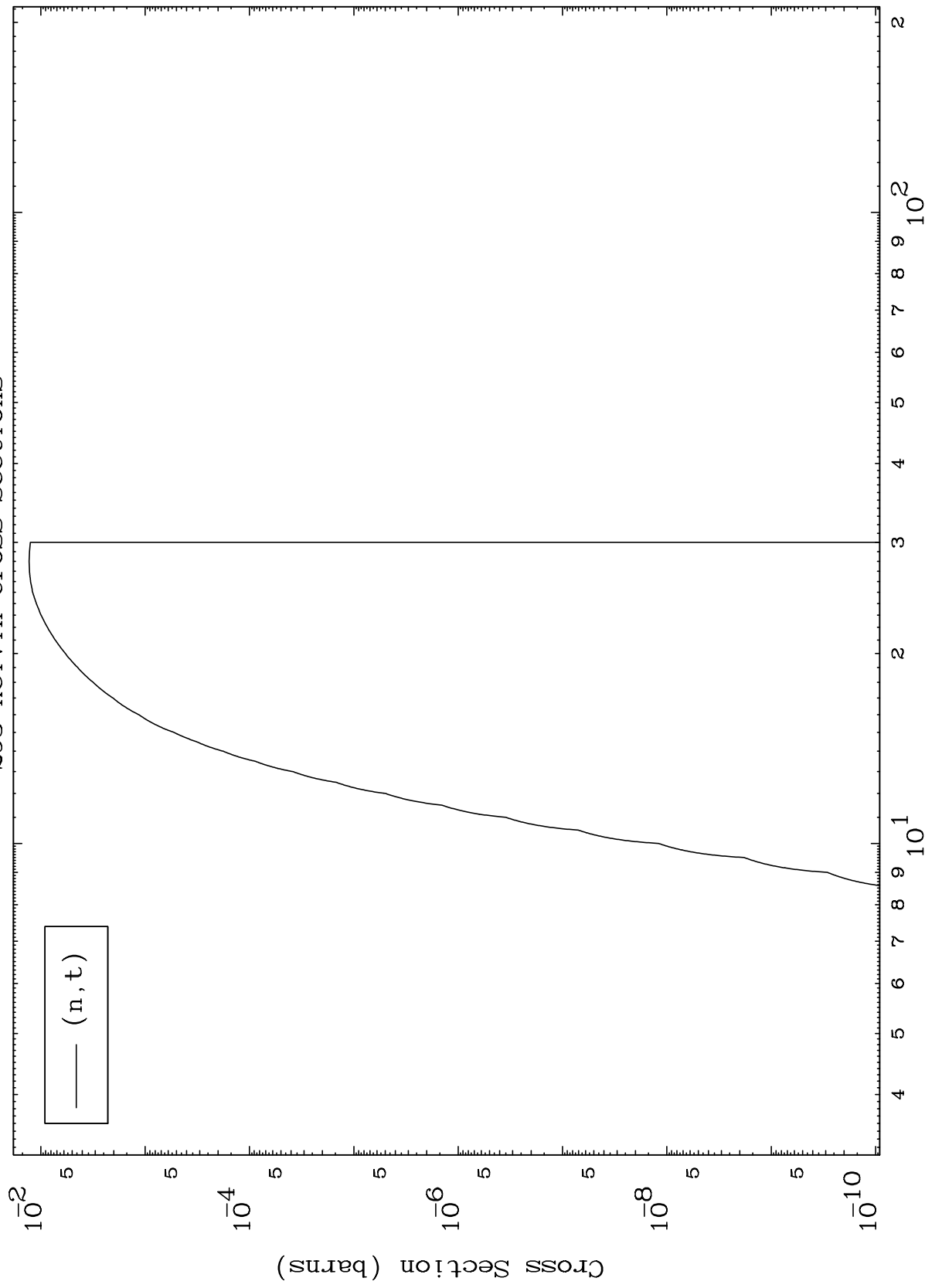
69-Tm-157



MAT 6889

69-Tm-157

(n,t) Levels  
293 Kelvin Cross Sections



69-Tm-157

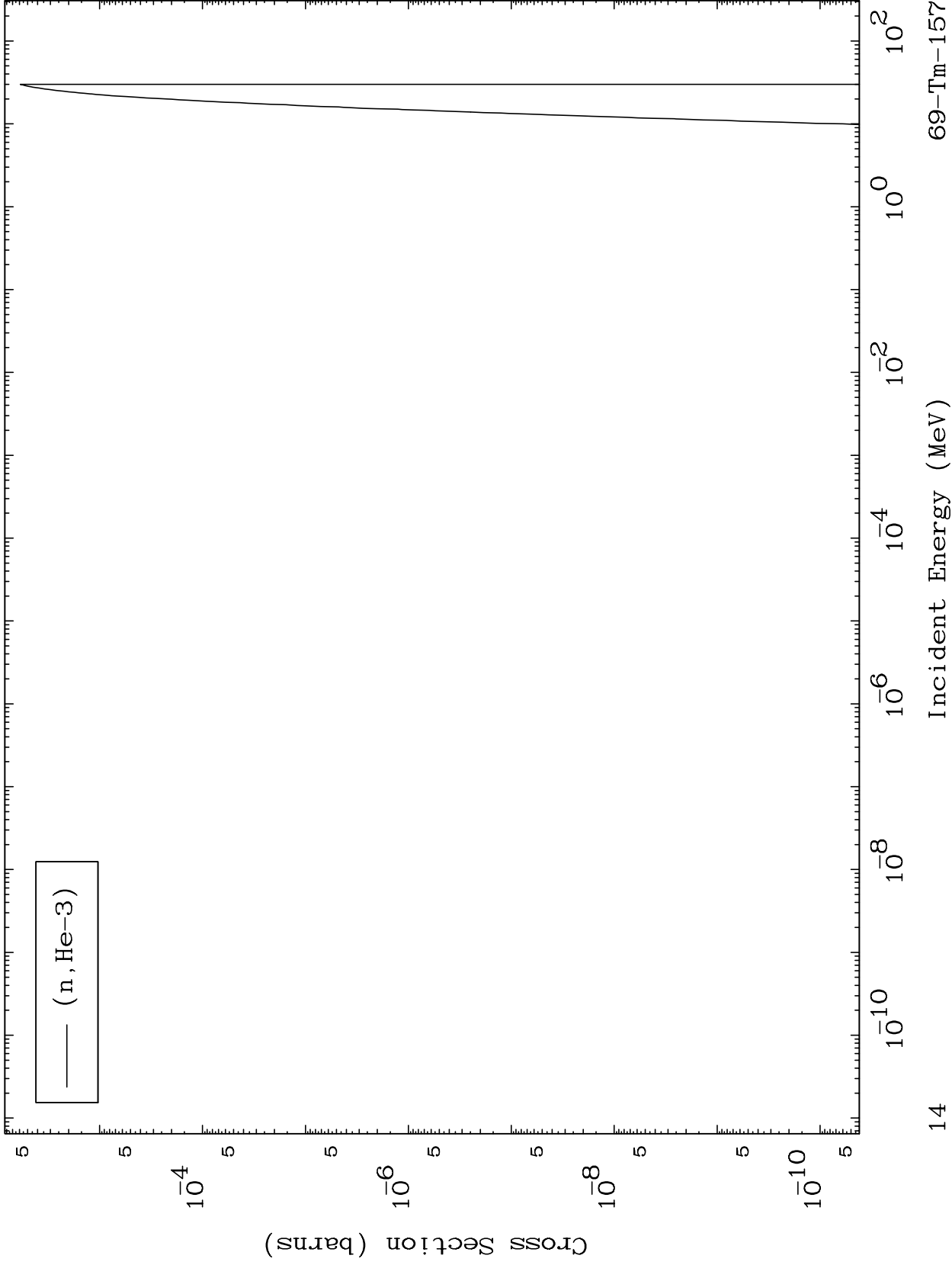
Incident Energy (MeV)

13

MAT 6889

(n,He3) Levels  
293 Kelvin Cross Sections

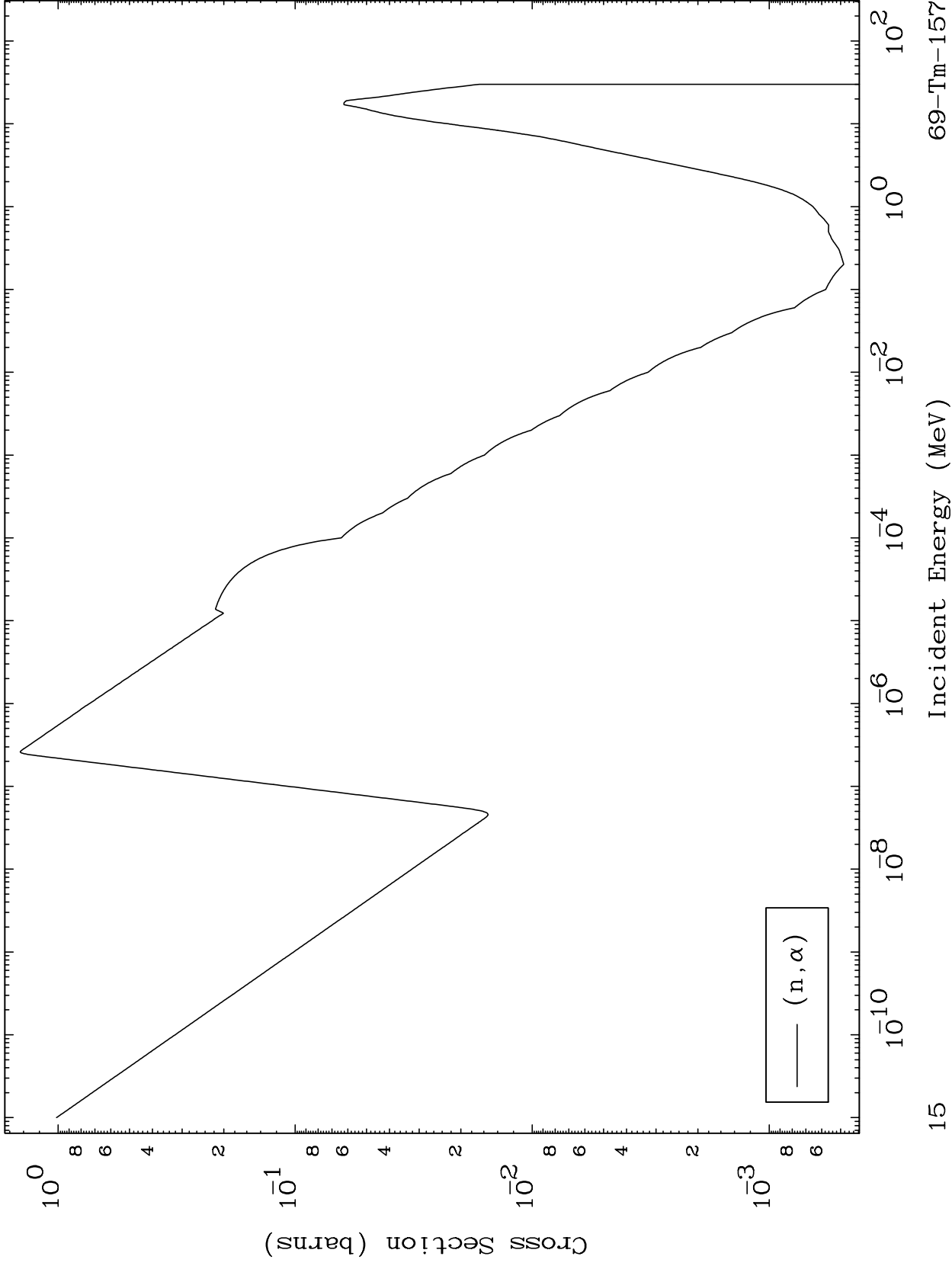
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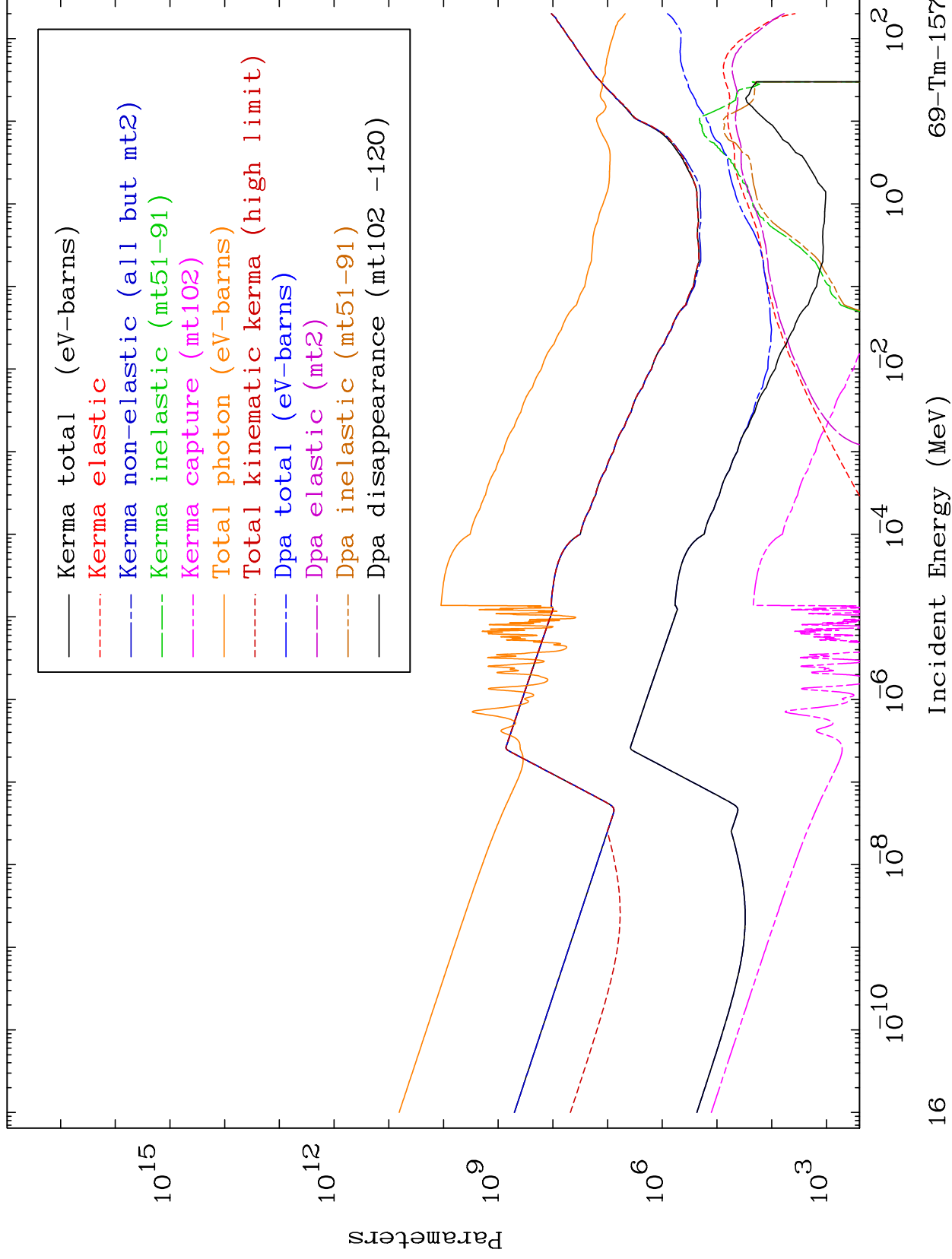
MAT 6889

(n,α) Levels  
293 Kelvin Cross Sections

69-Tm-157



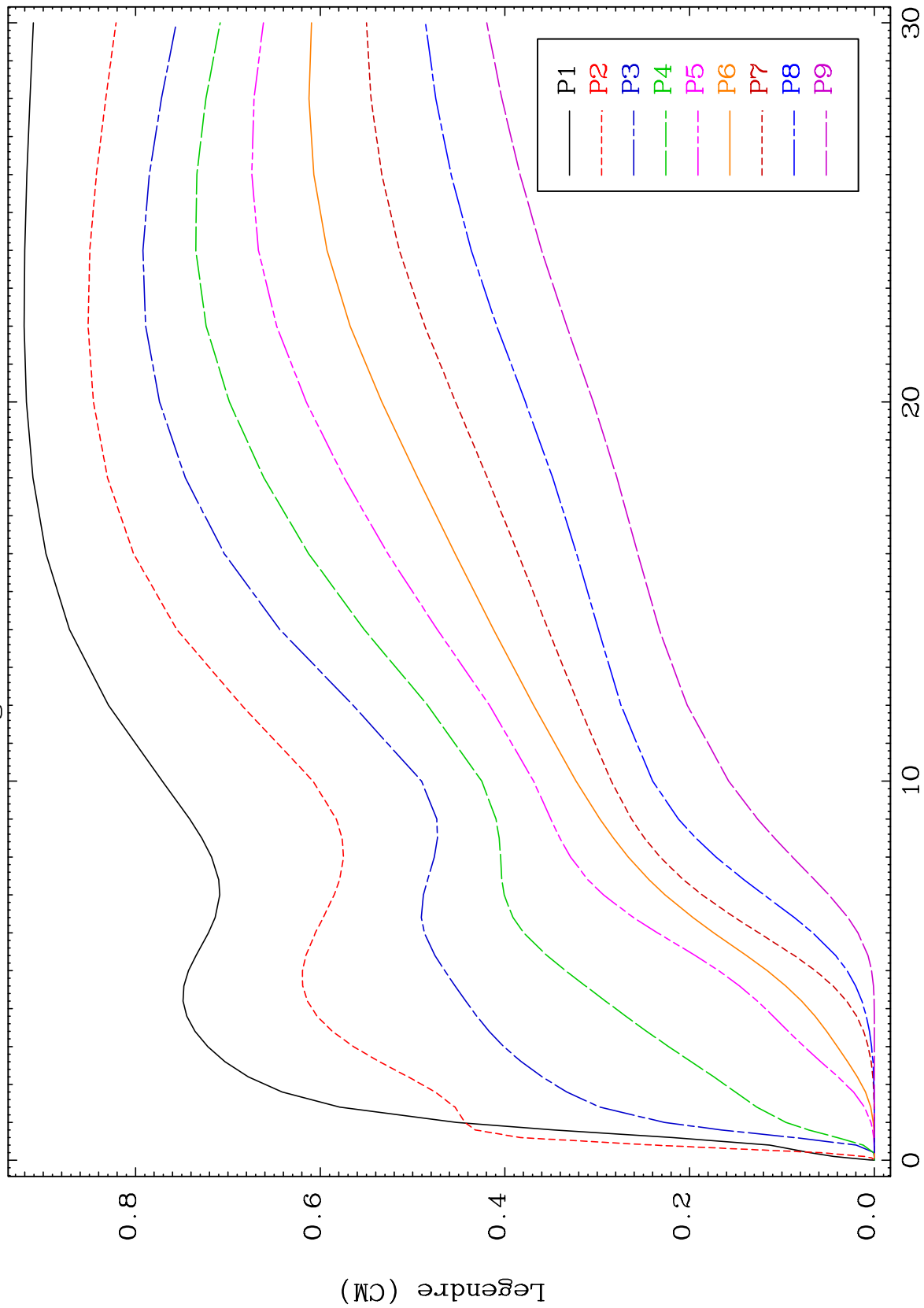




MAT 6889

Elastic Legendre Coefficients

69-Tm-157



17

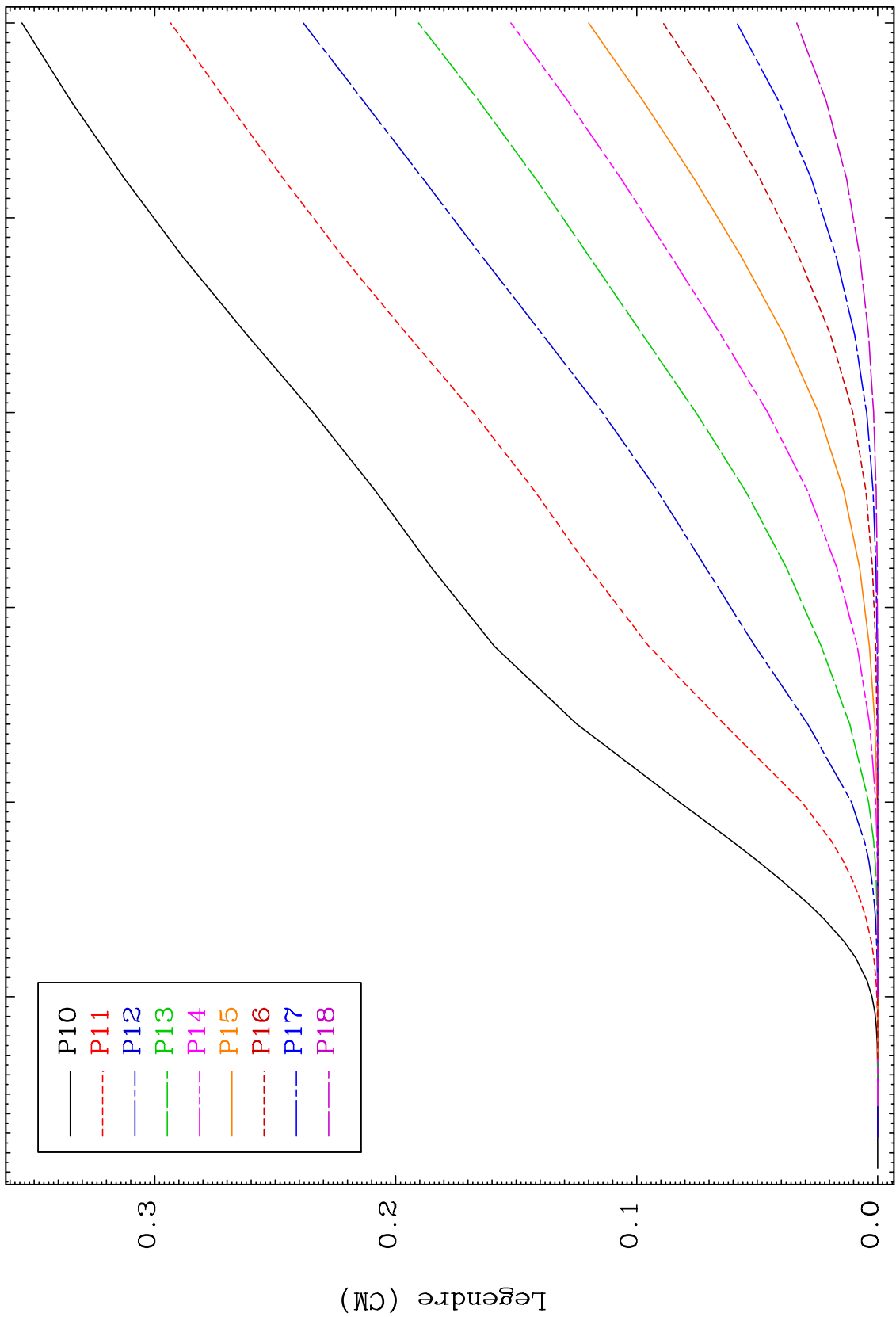
Incident Energy (MeV)

69-Tm-157

MAT 6889

Elastic Legendre Coefficients

69-Tm-157



18

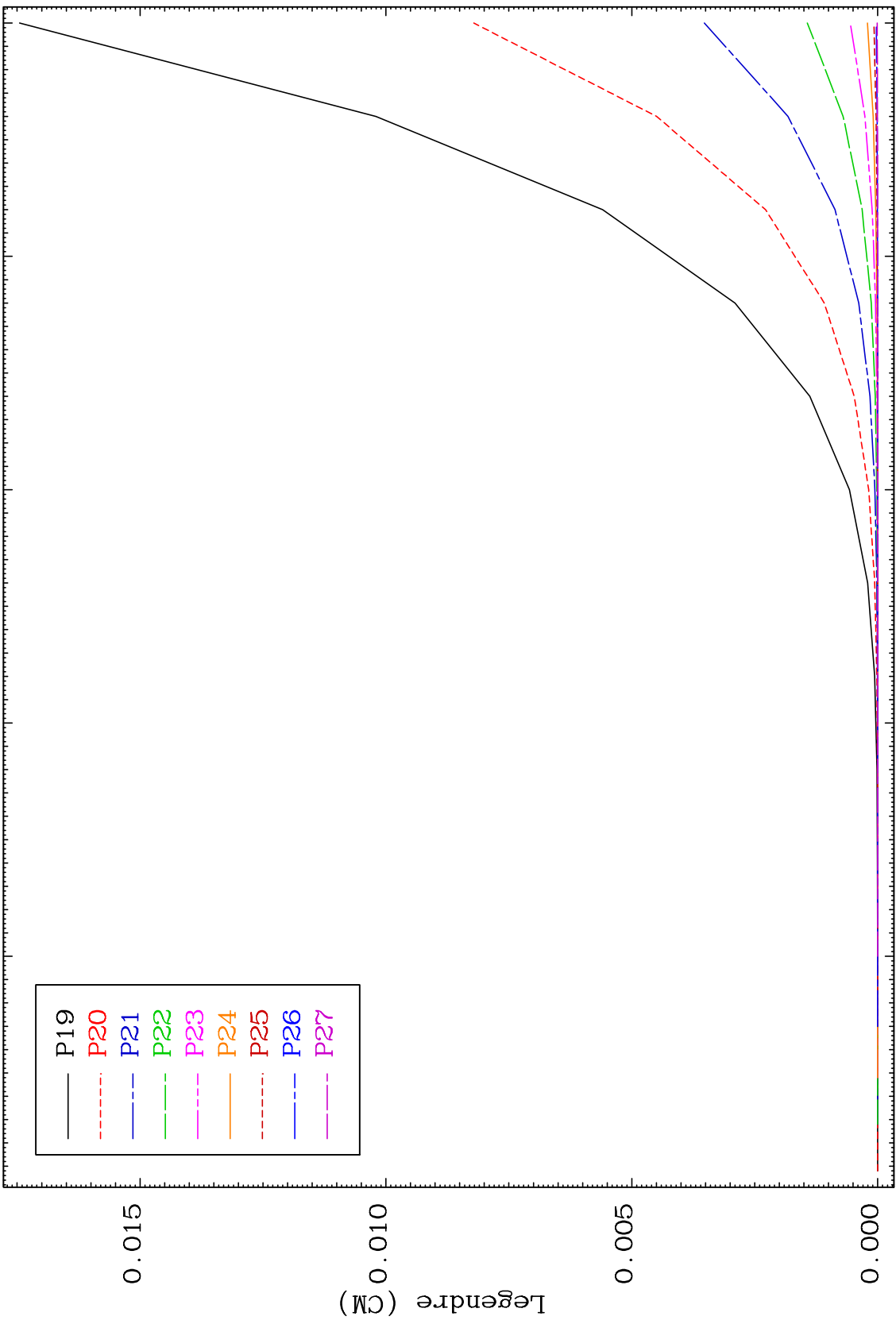
Incident Energy (MeV)

69-Tm-157

MAT 6889

### Elastic Legendre Coefficients

69-Tm-157

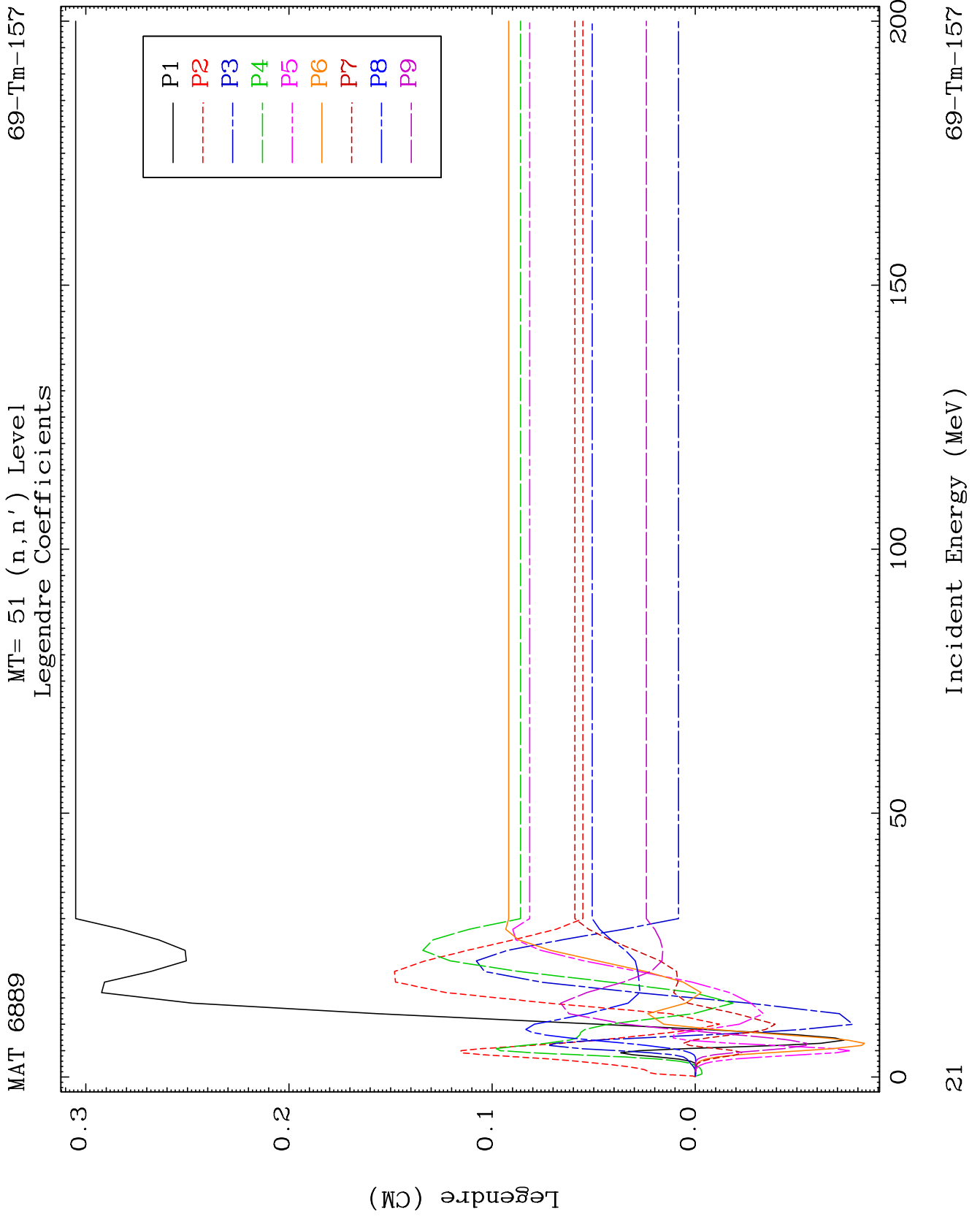


19

Incident Energy (MeV)

69-Tm-157

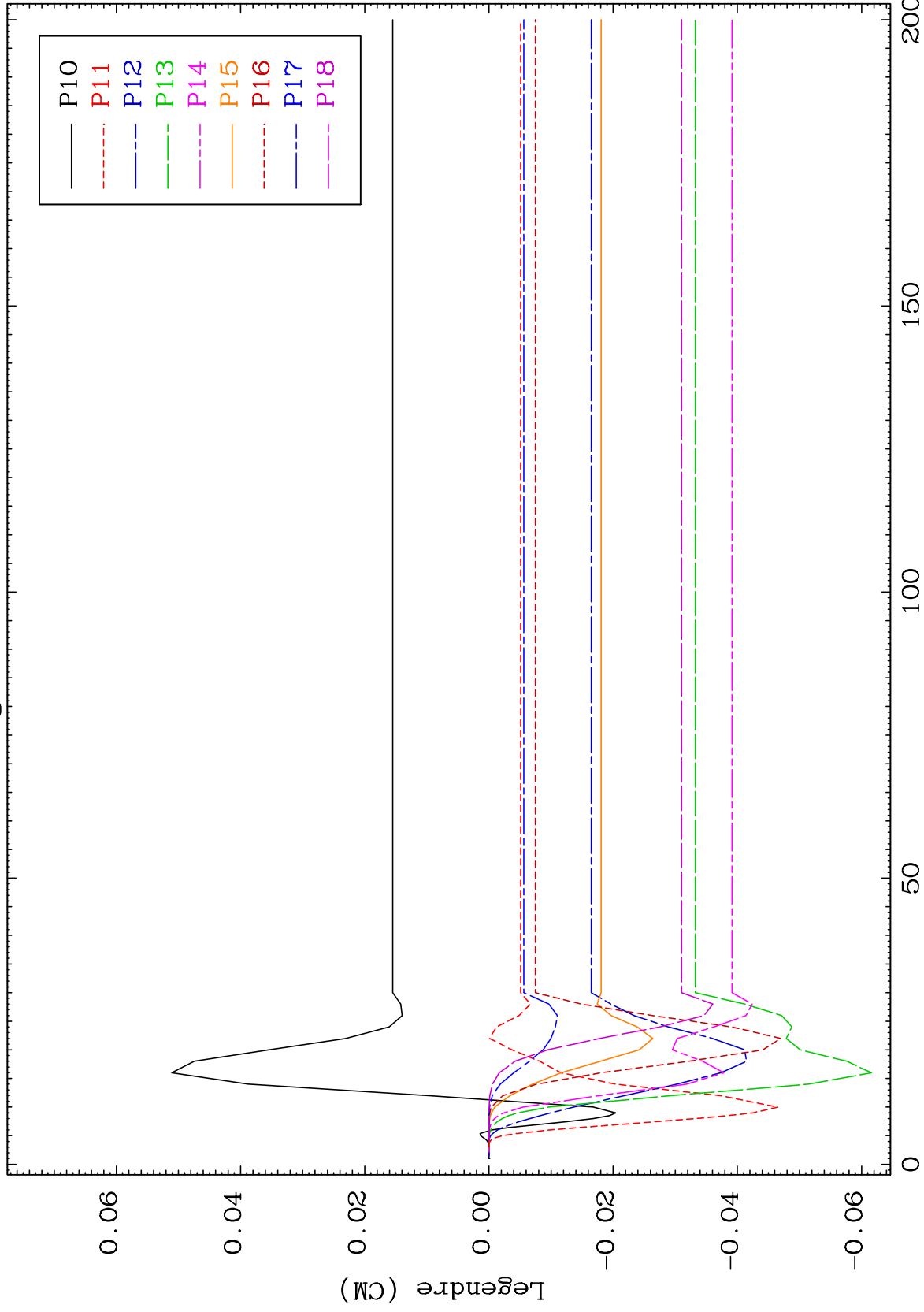




MAT 6889

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

69-Tm-157



22

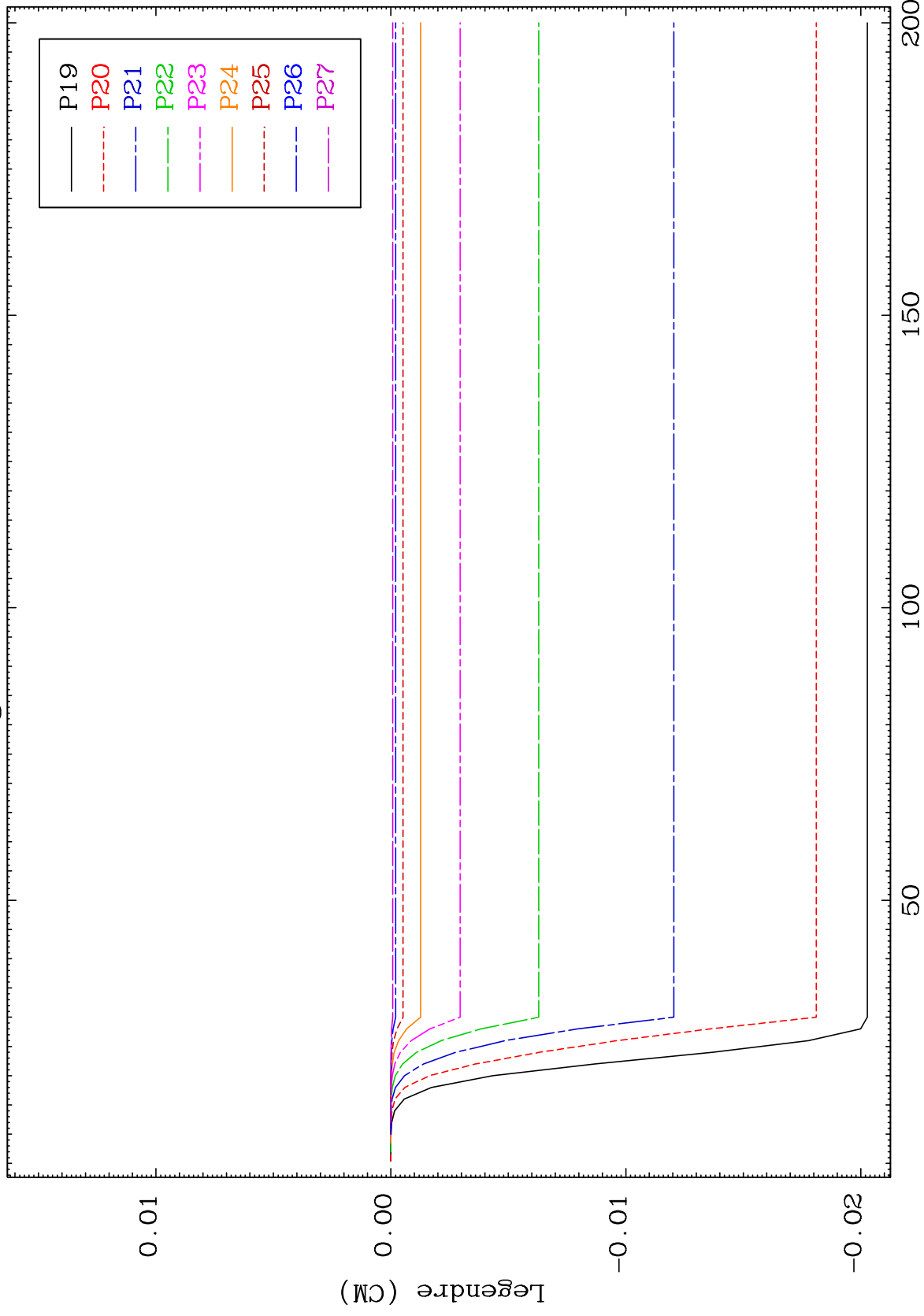
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157

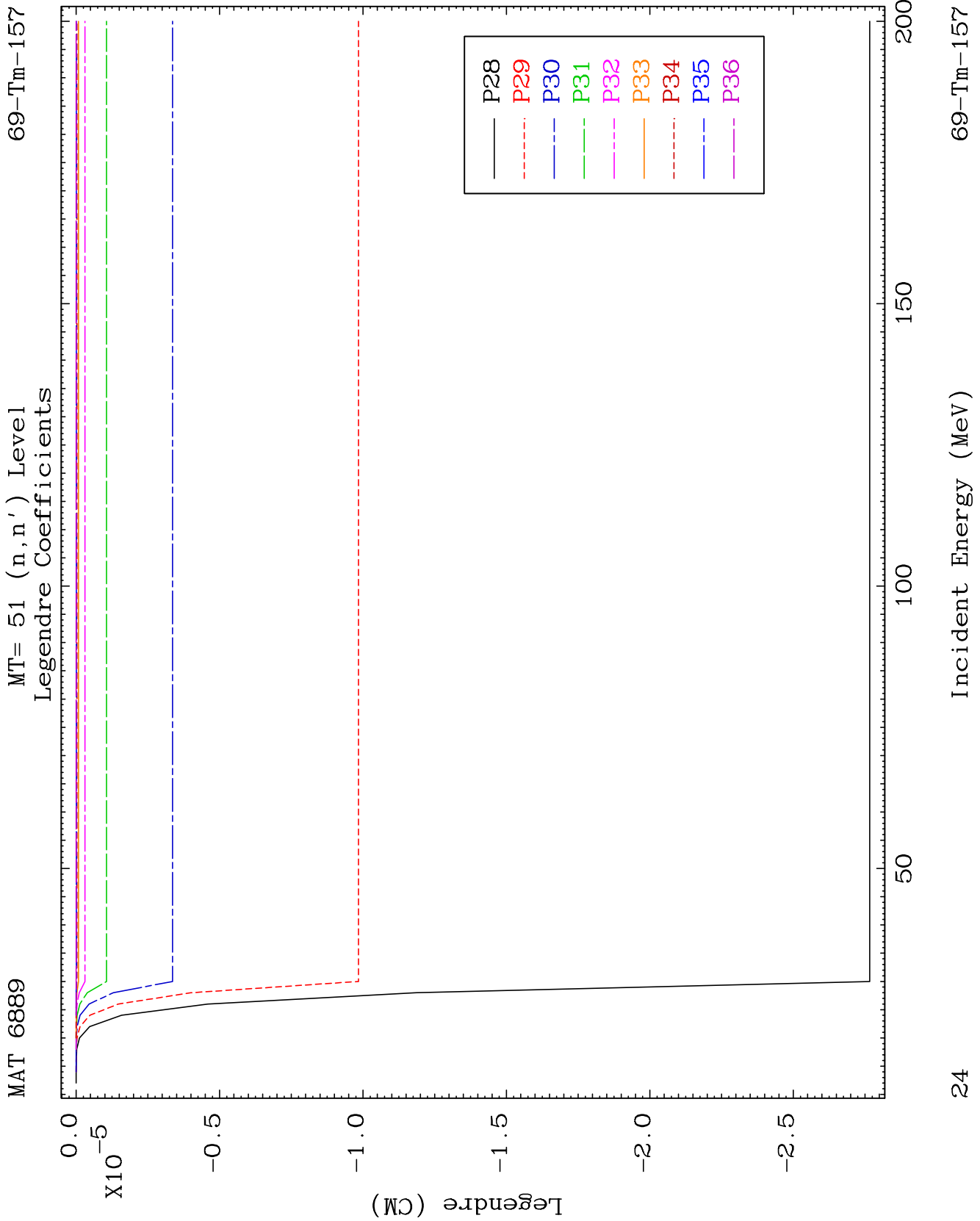


23

Incident Energy (MeV)

69-Tm-157

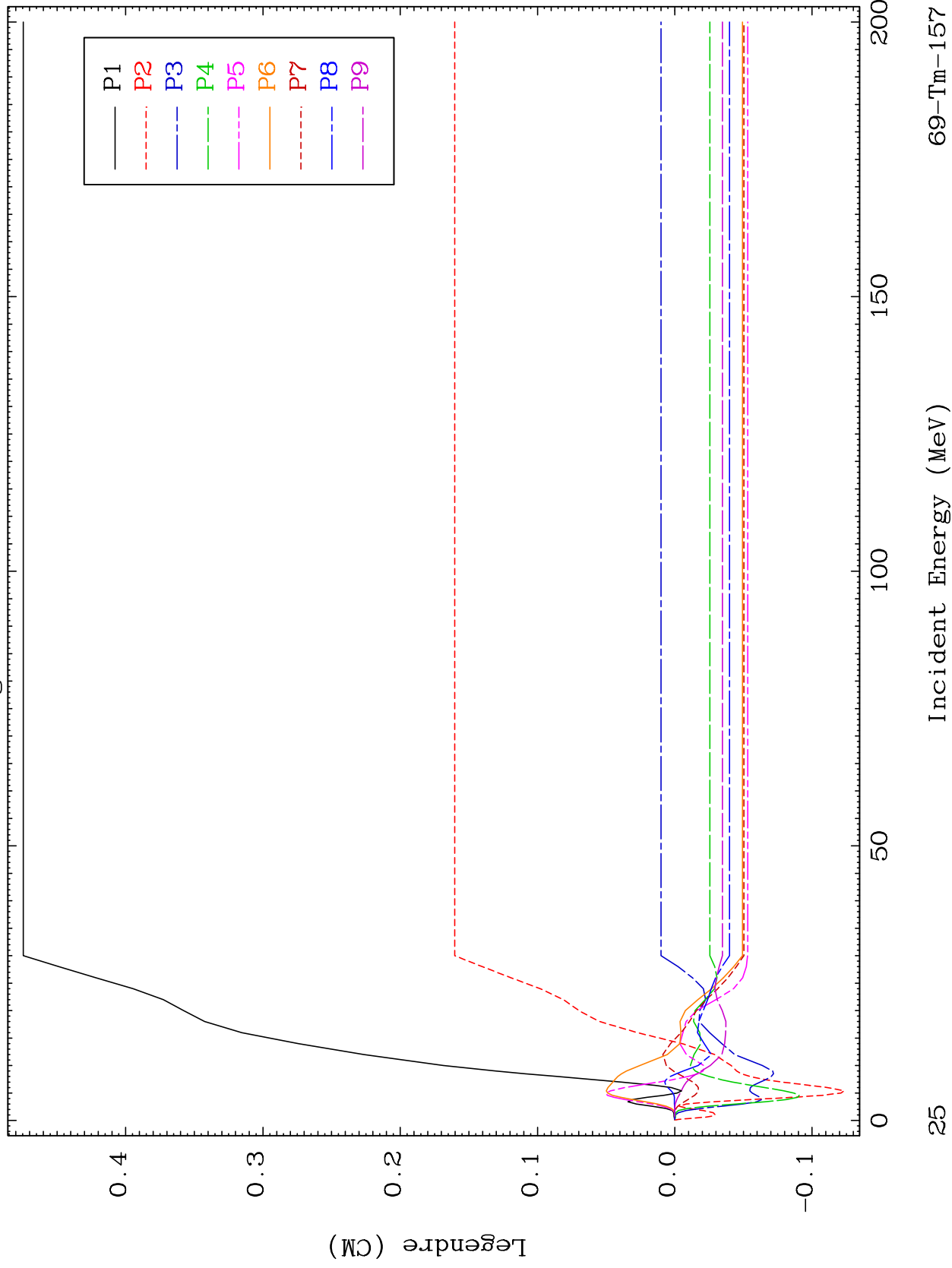




MAT 6889

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

69-Tm-157



69-Tm-157

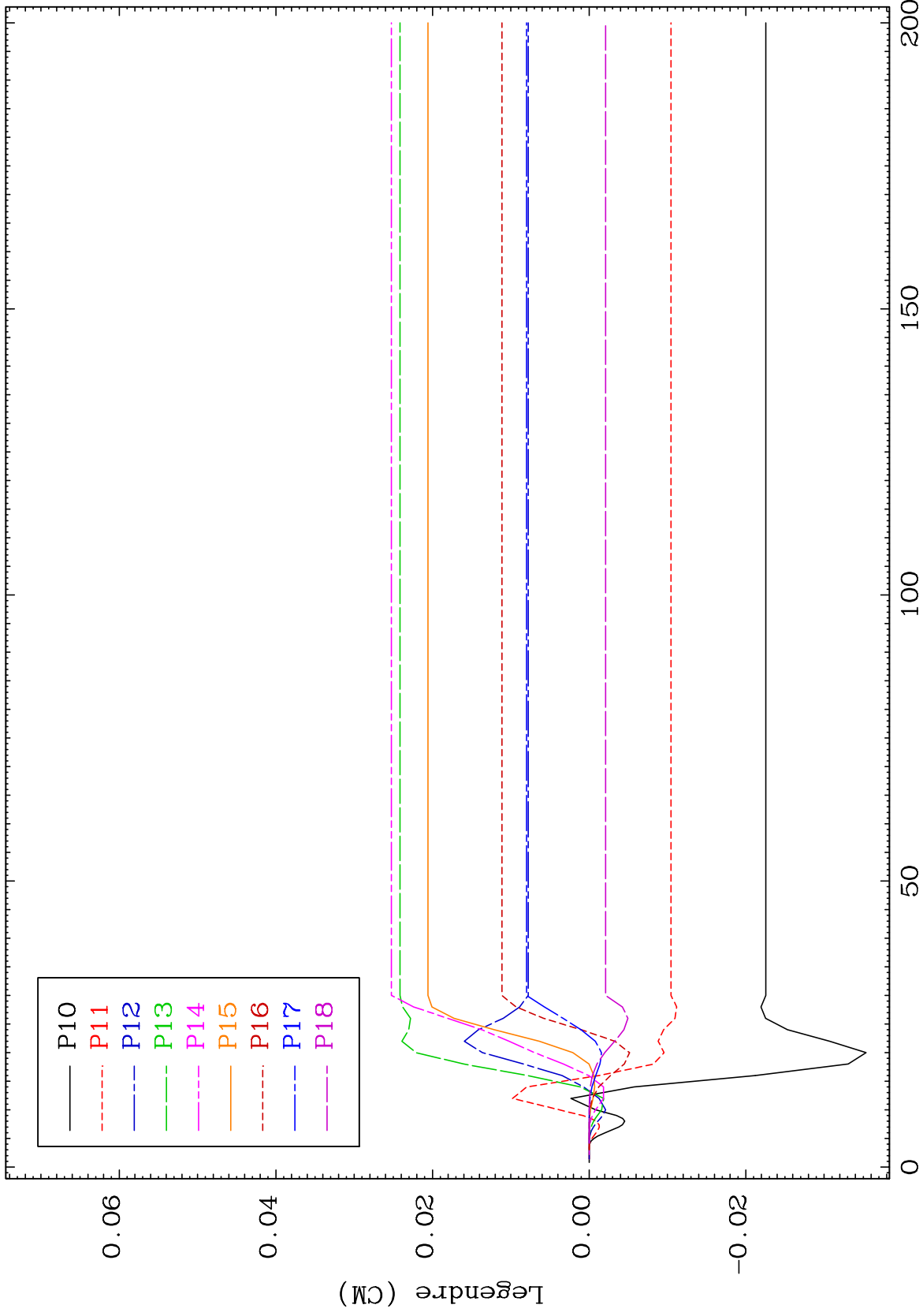
Incident Energy (MeV)

25

MAT 6889

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

69-Tm-157



26

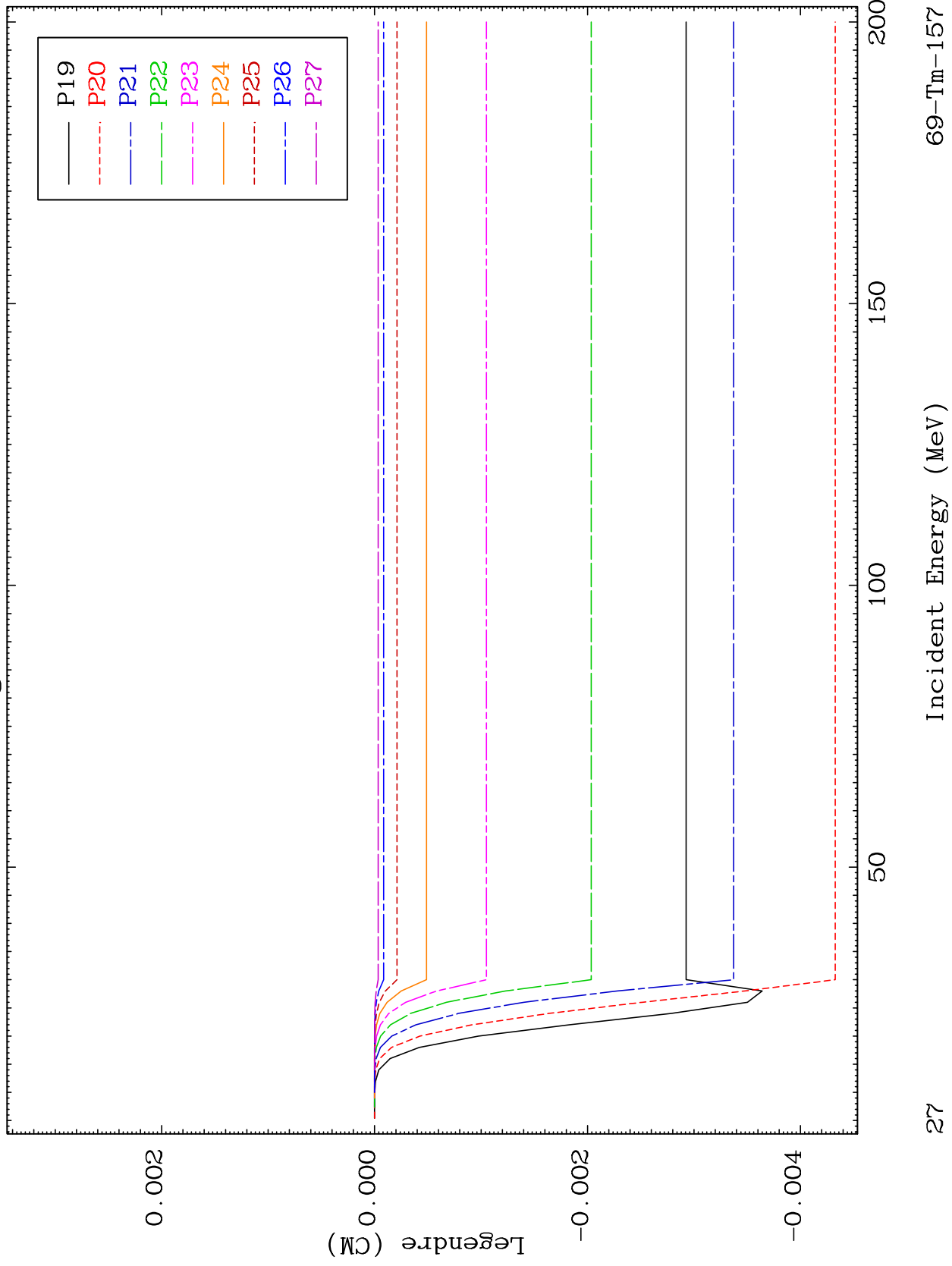
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

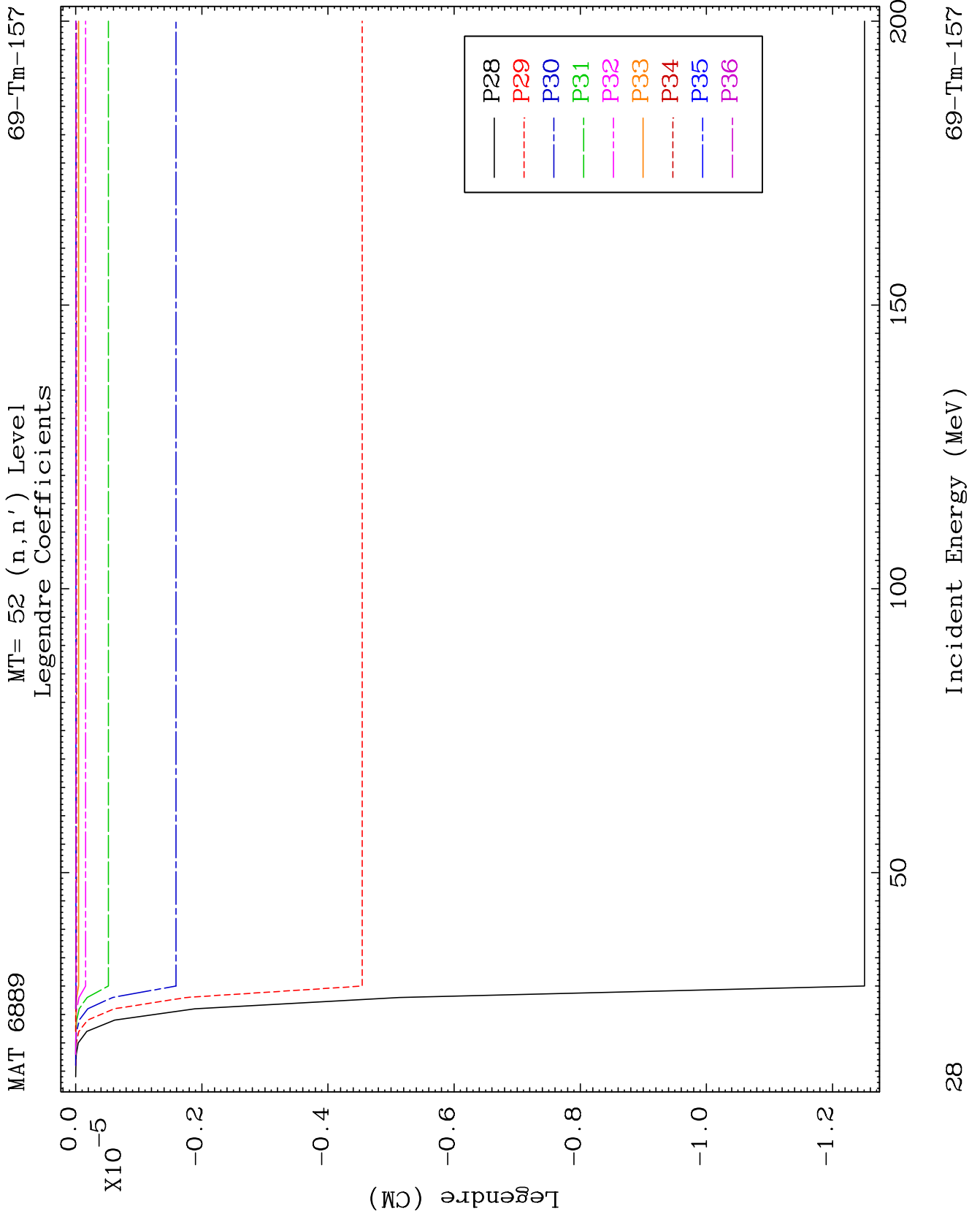
69-Tm-157



27

Incident Energy (MeV)

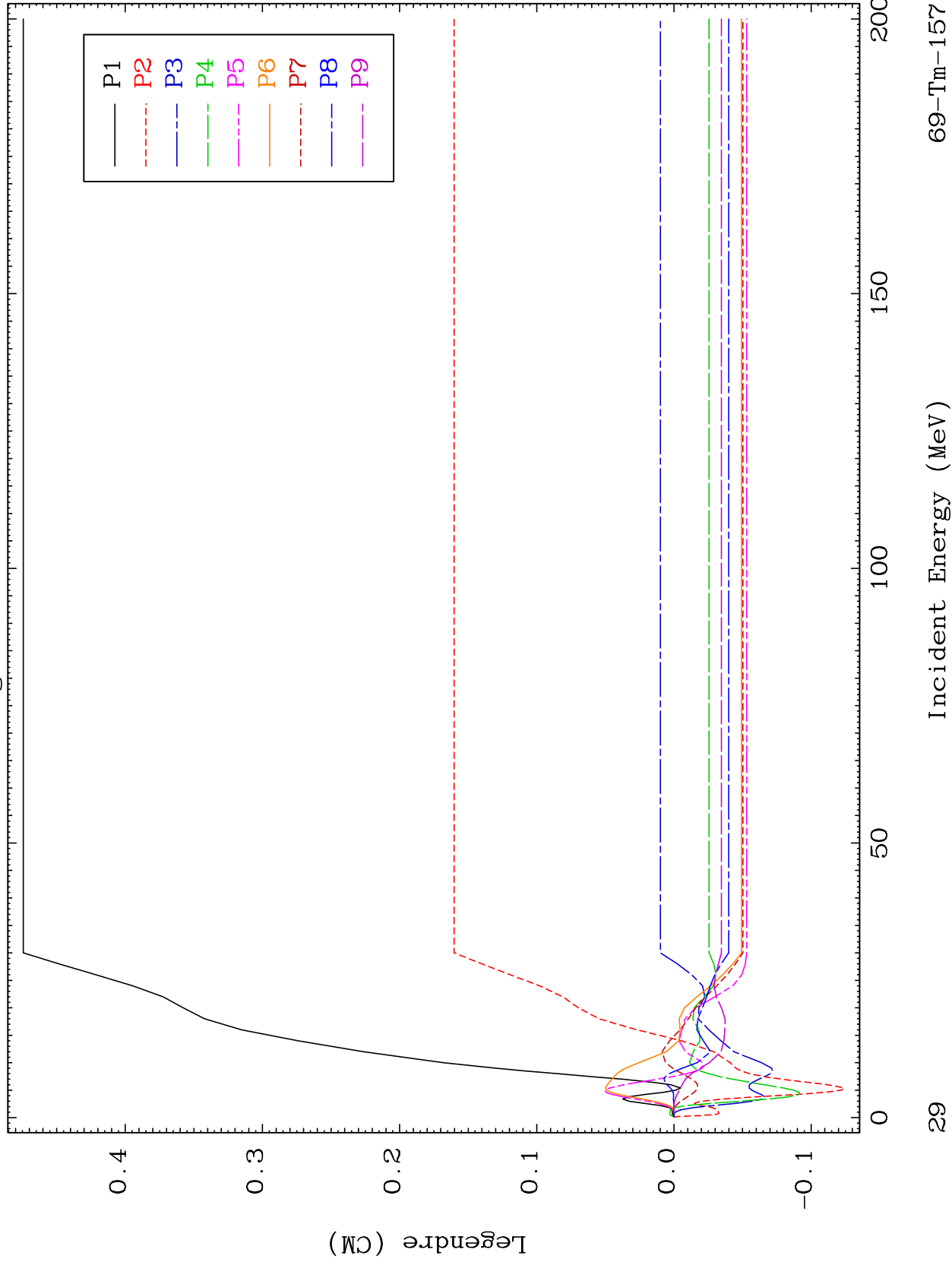
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

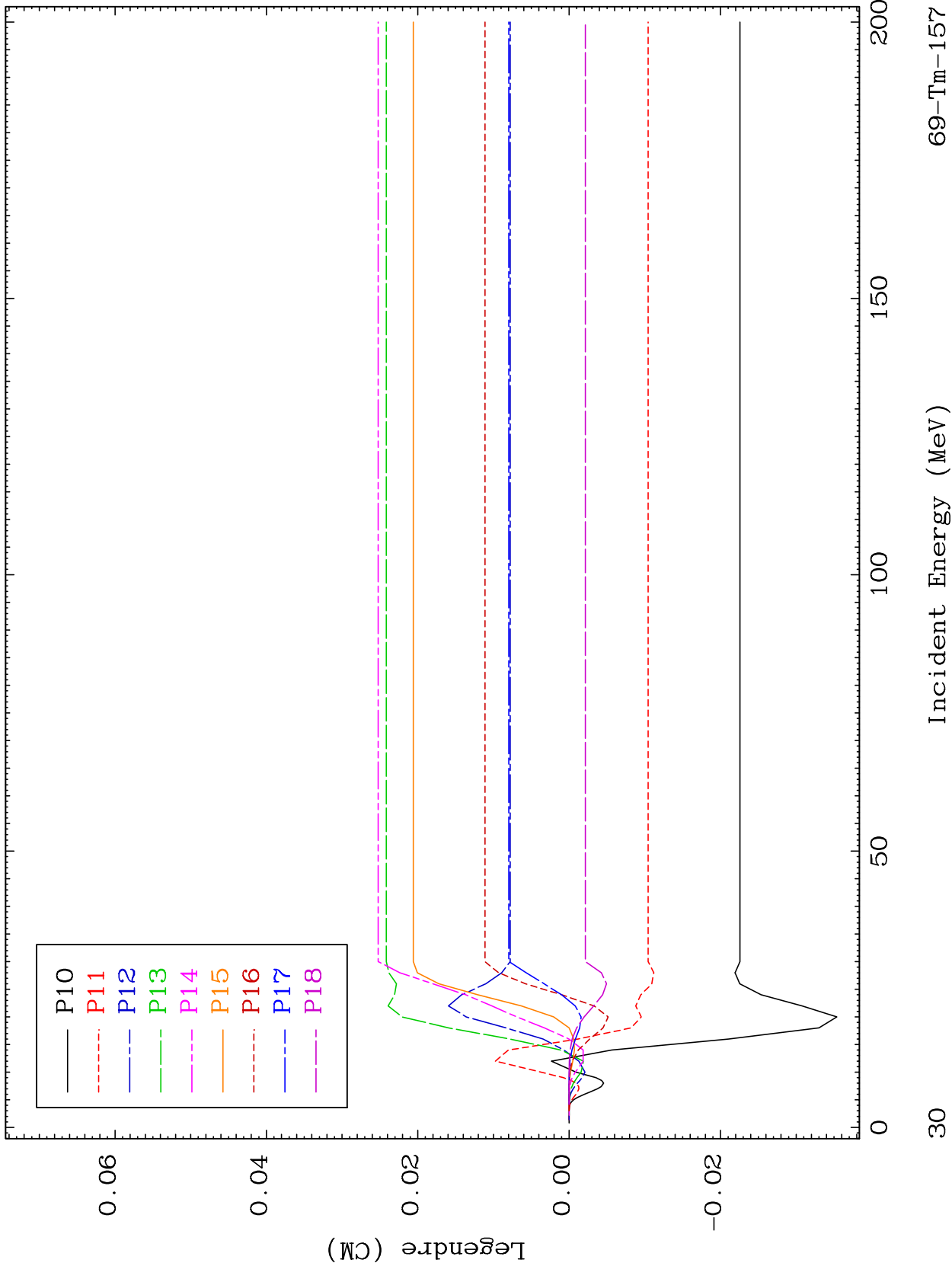
Incident Energy (MeV)

29

MAT 6889

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

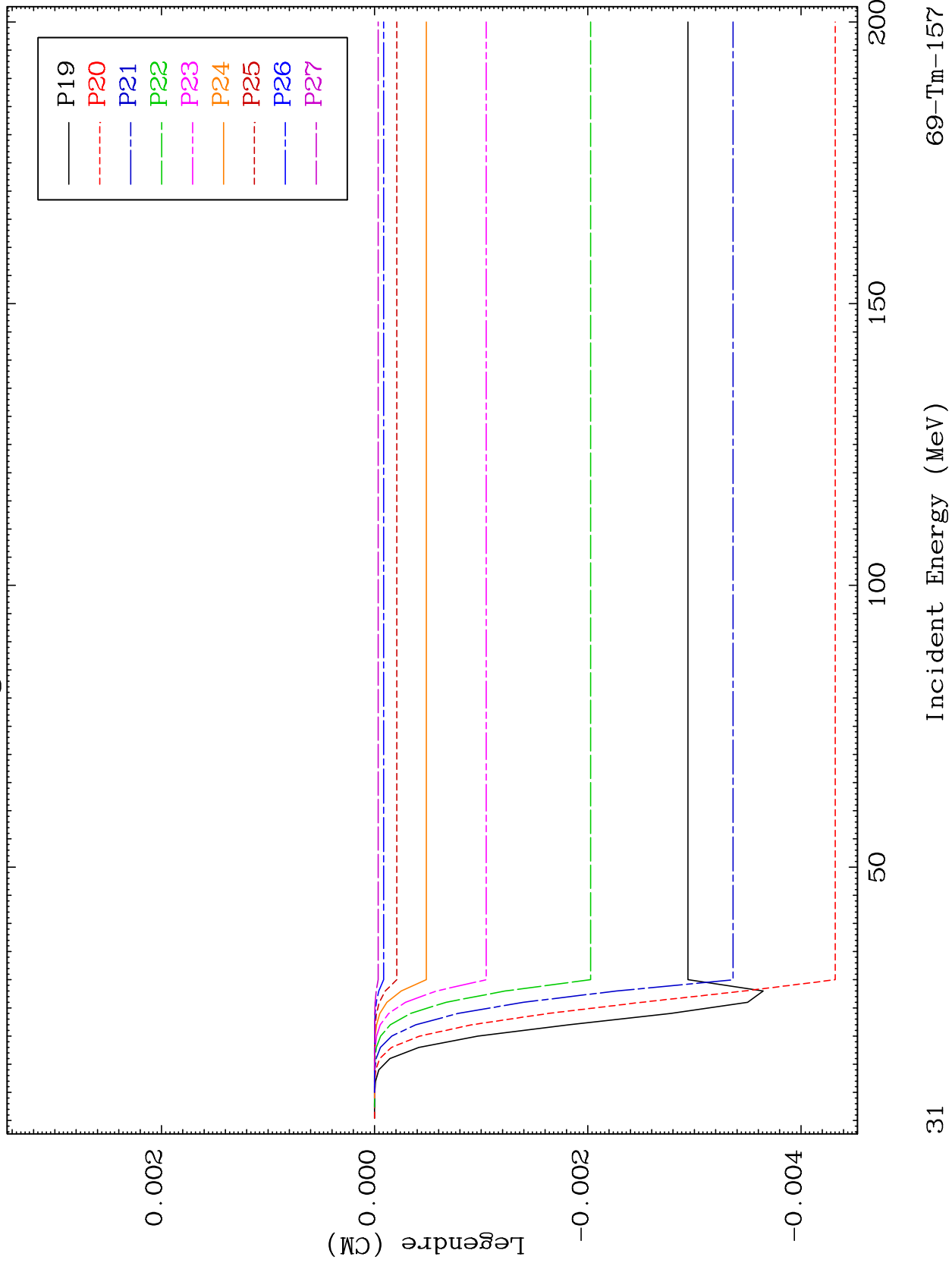
69-Tm-157



MAT 6889

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

69-Tm-157

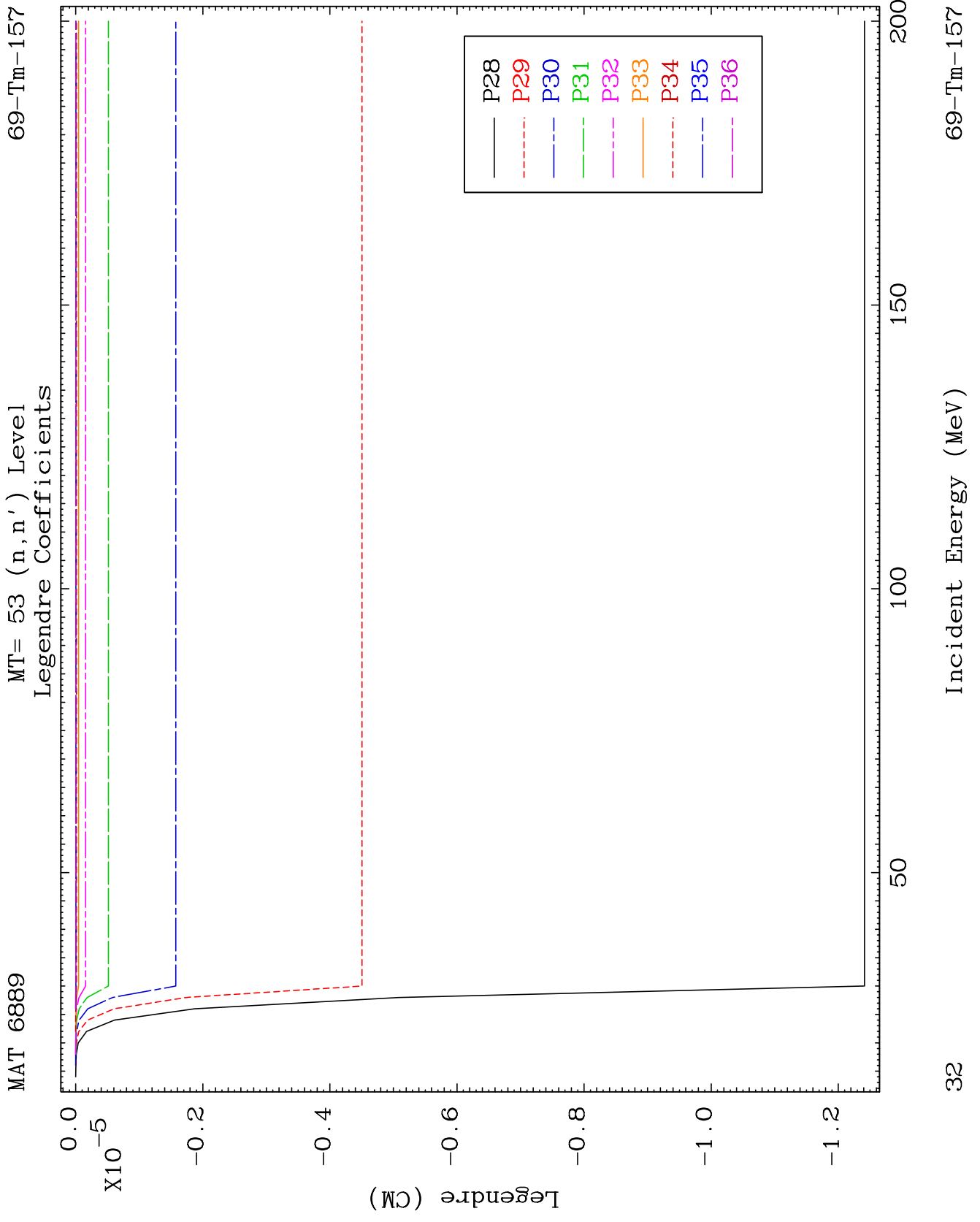


31

Incident Energy (MeV)

69-Tm-157

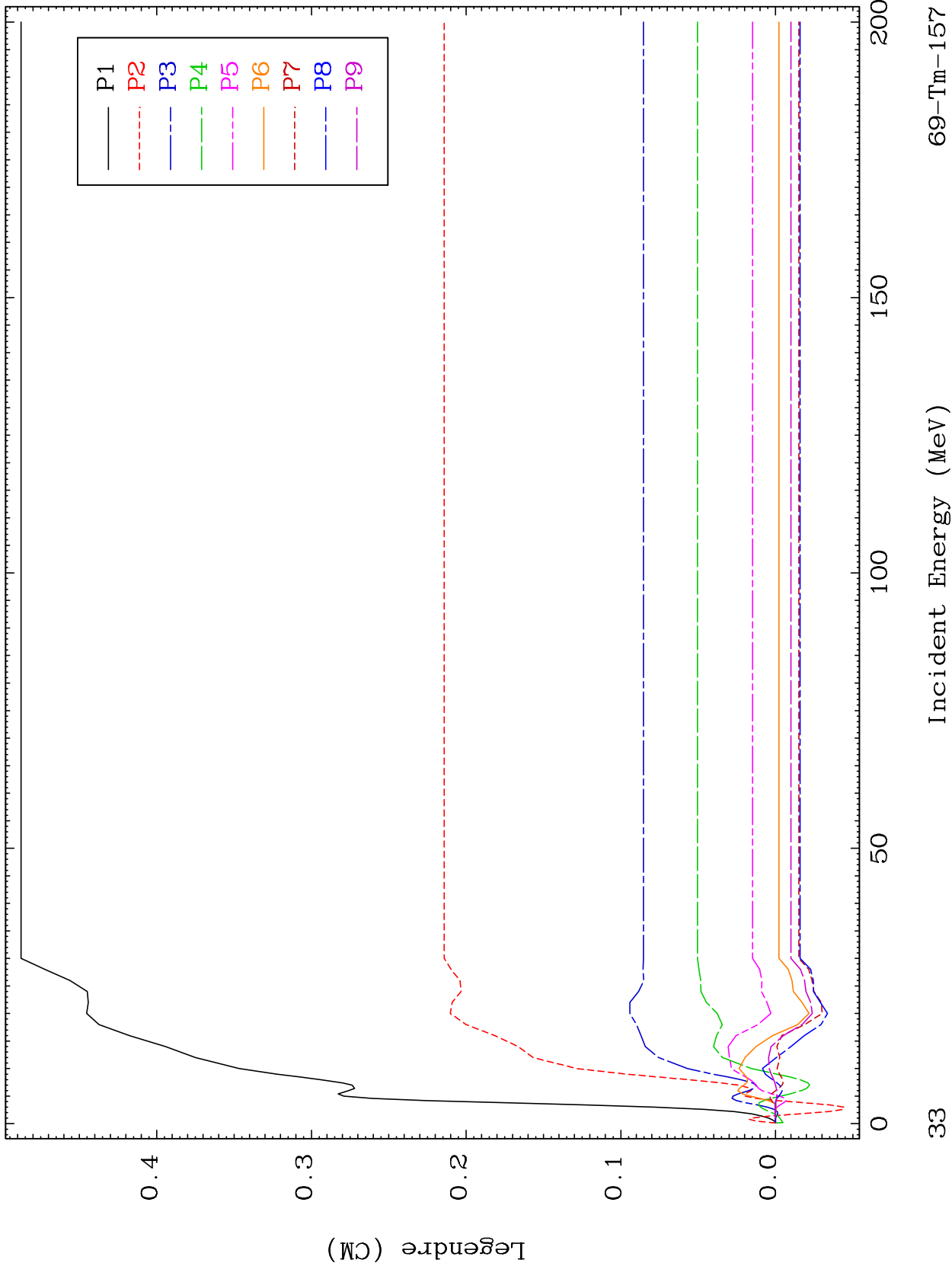




MAT 6889

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

69-Tm-157



33

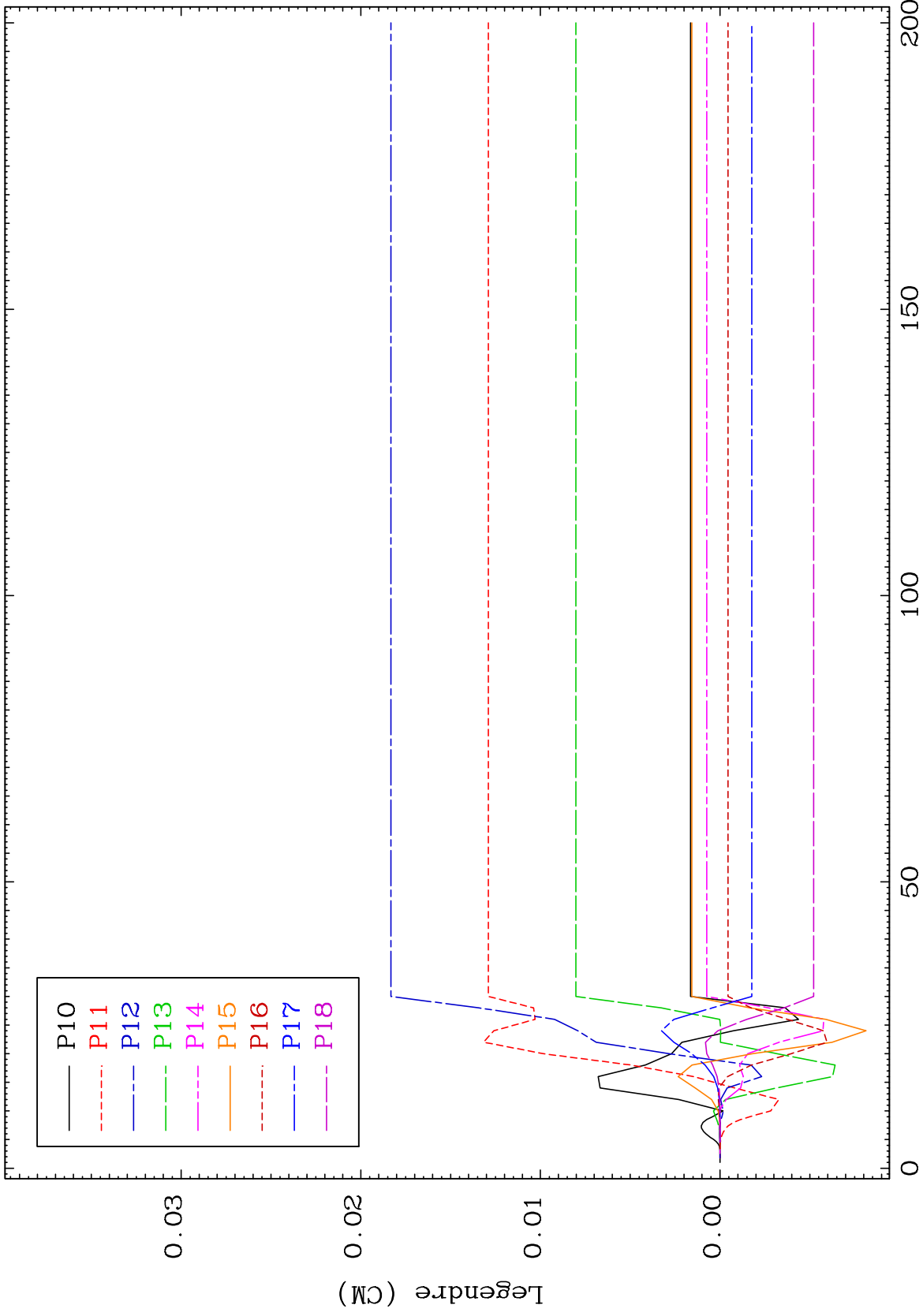
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

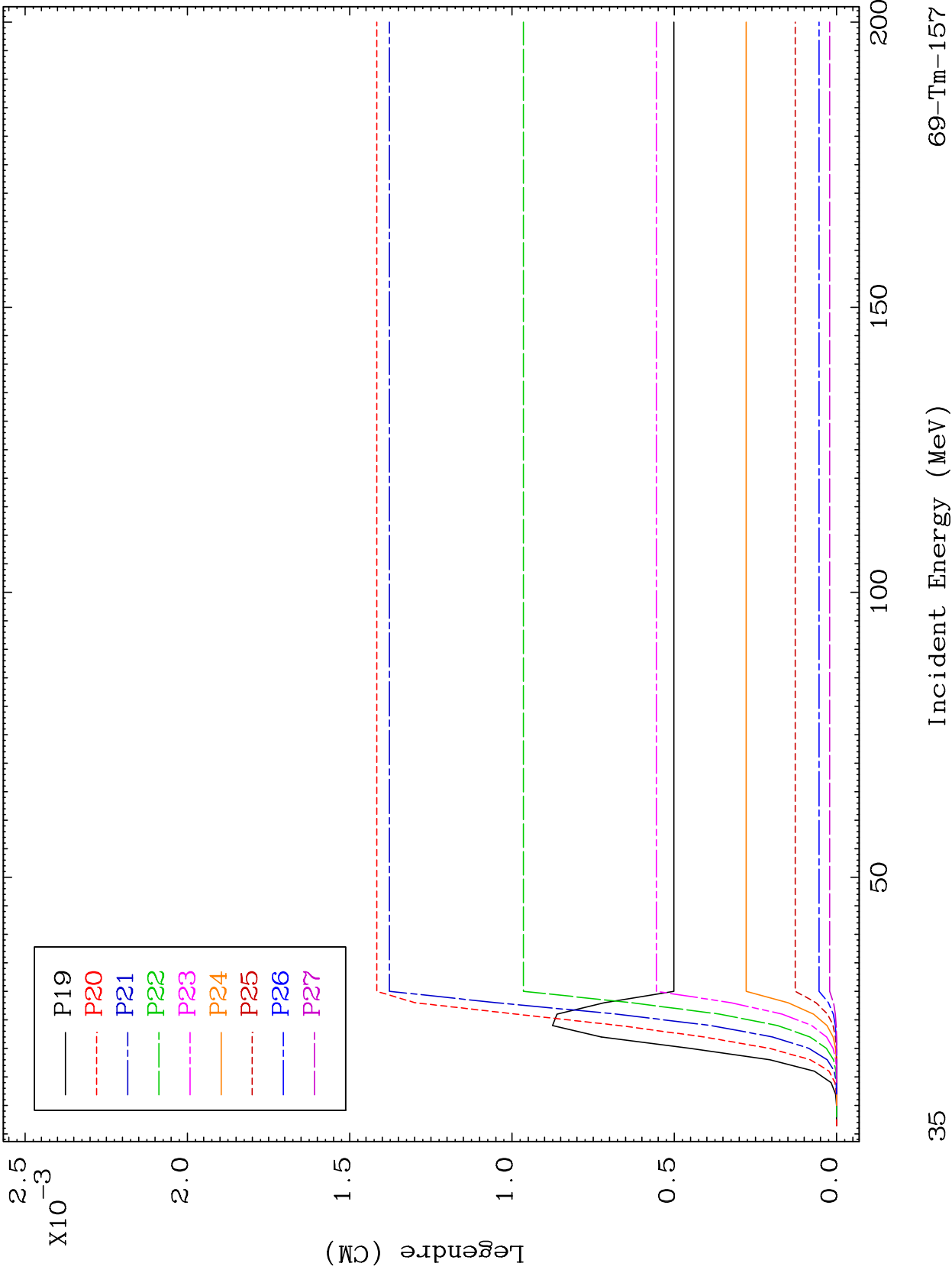
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MAT 6889

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

69-Tm-157



35

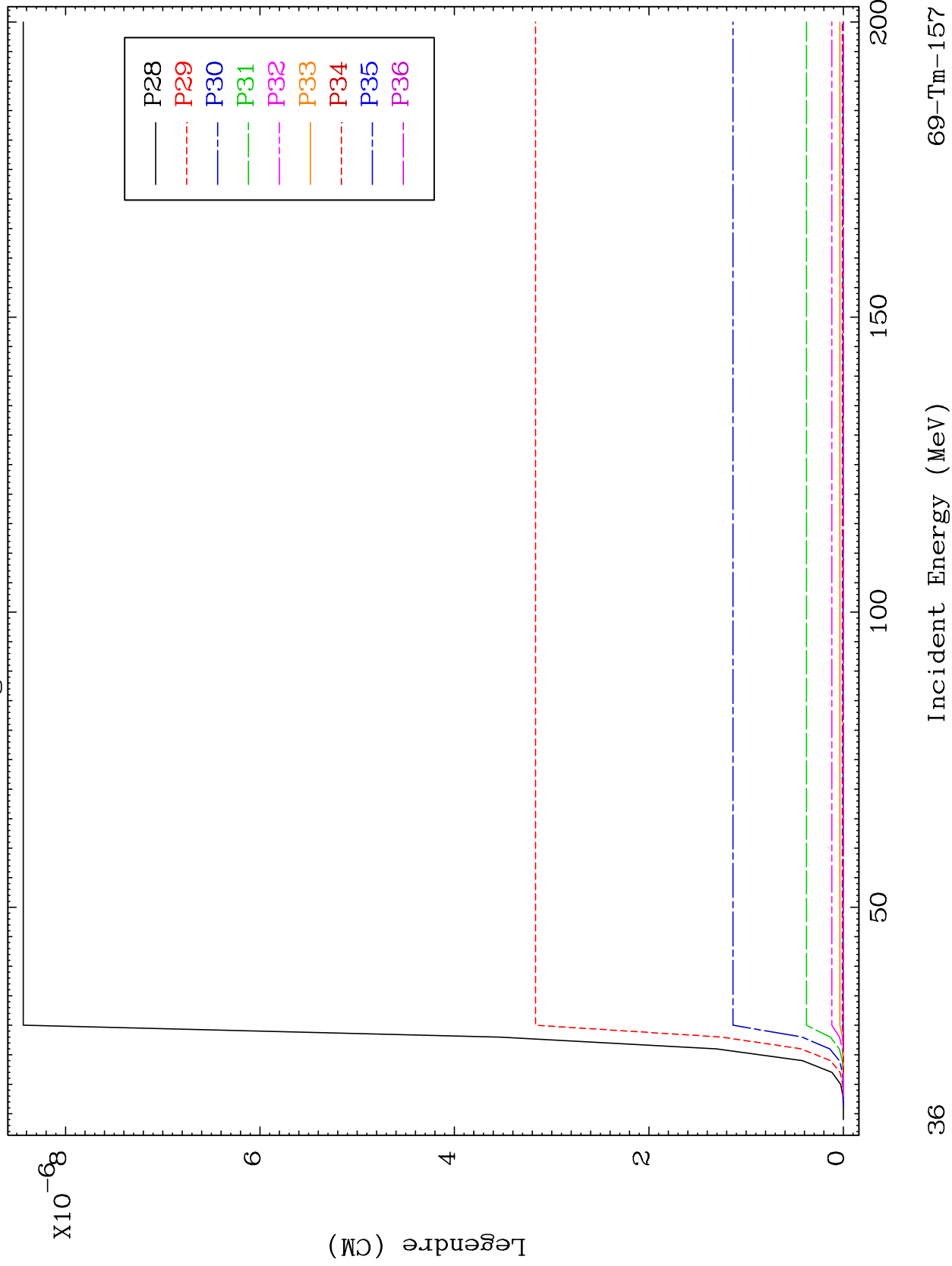
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

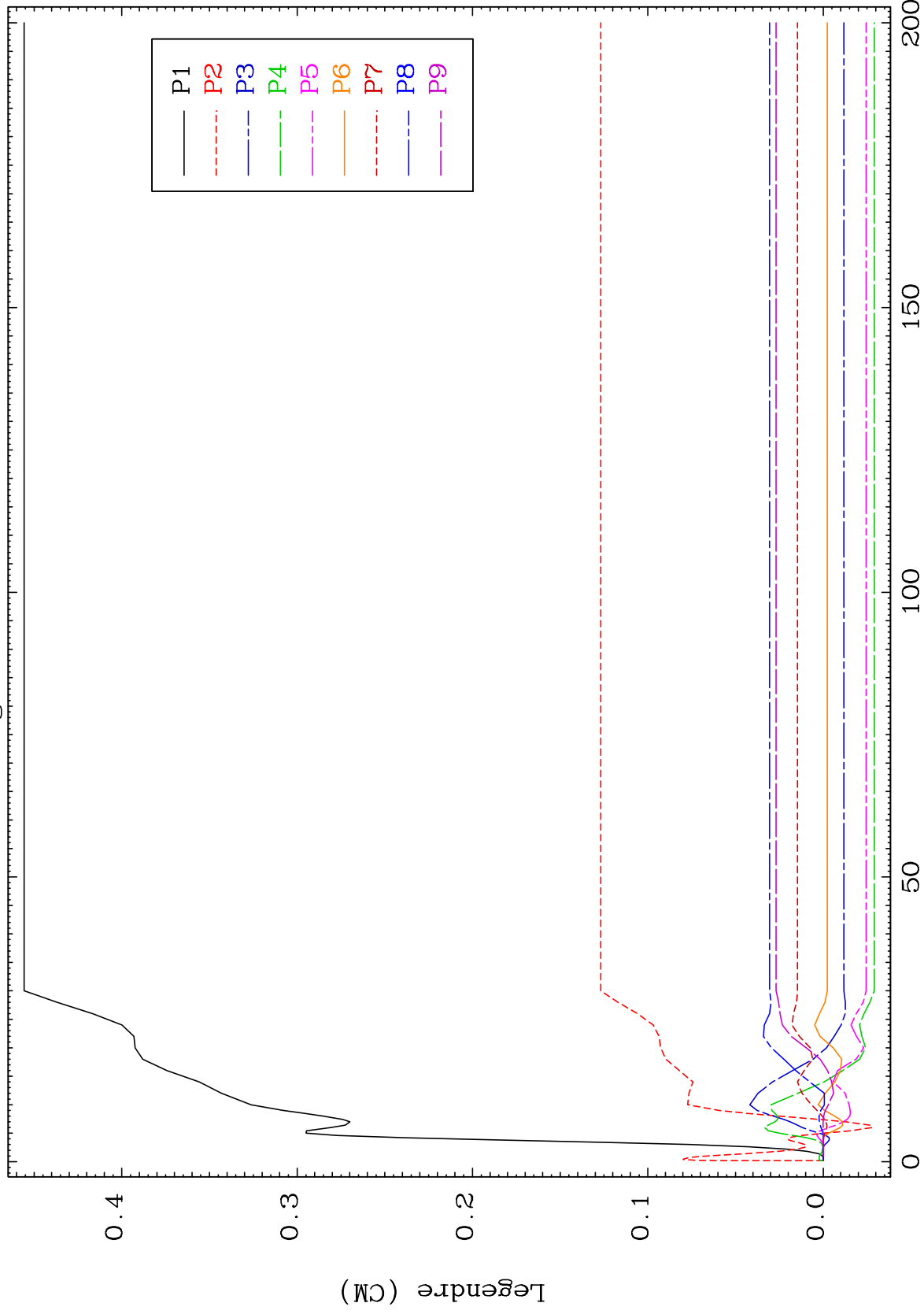
69-Tm-157



MAT 6889

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

69-Tm-157



37

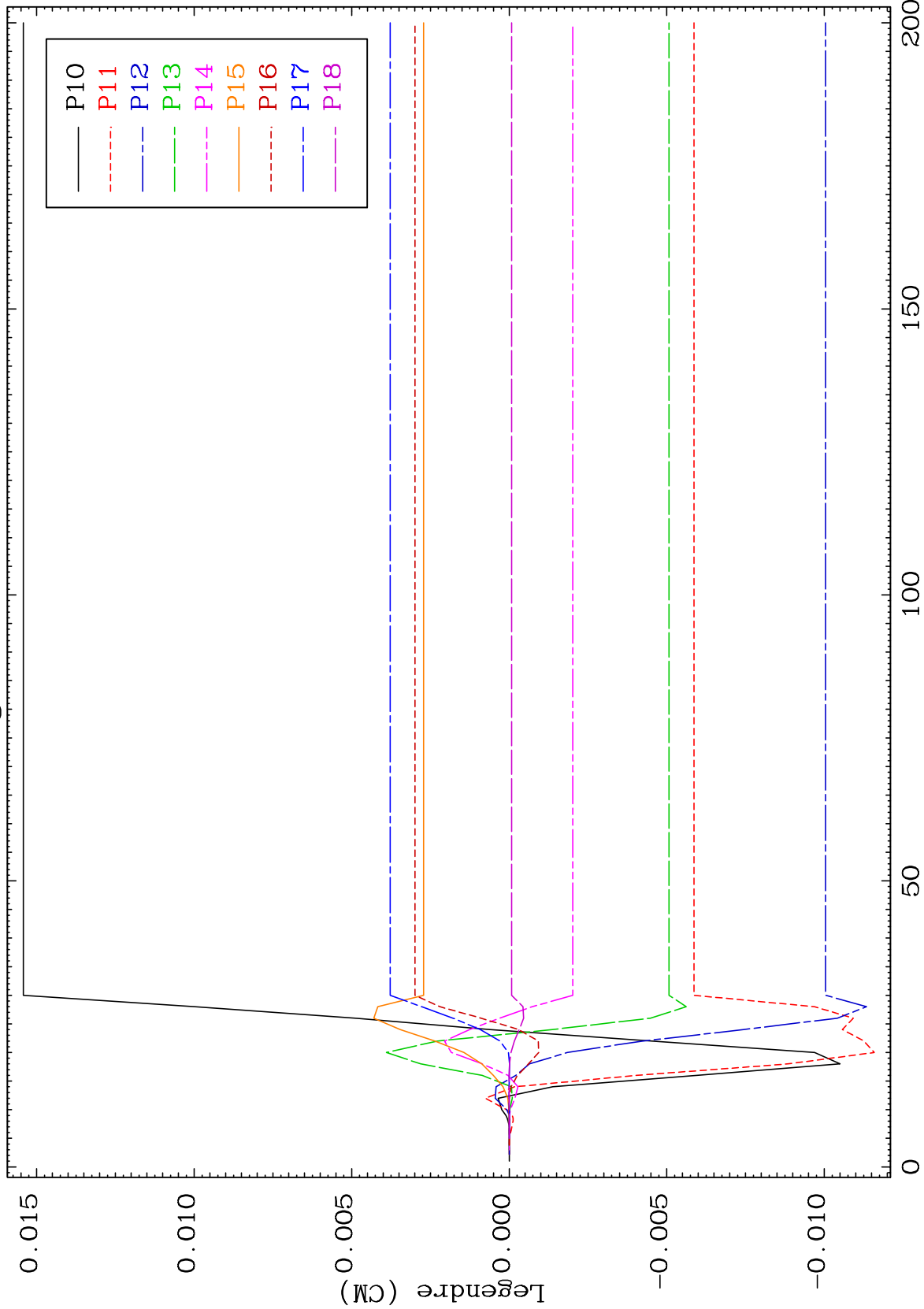
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



38

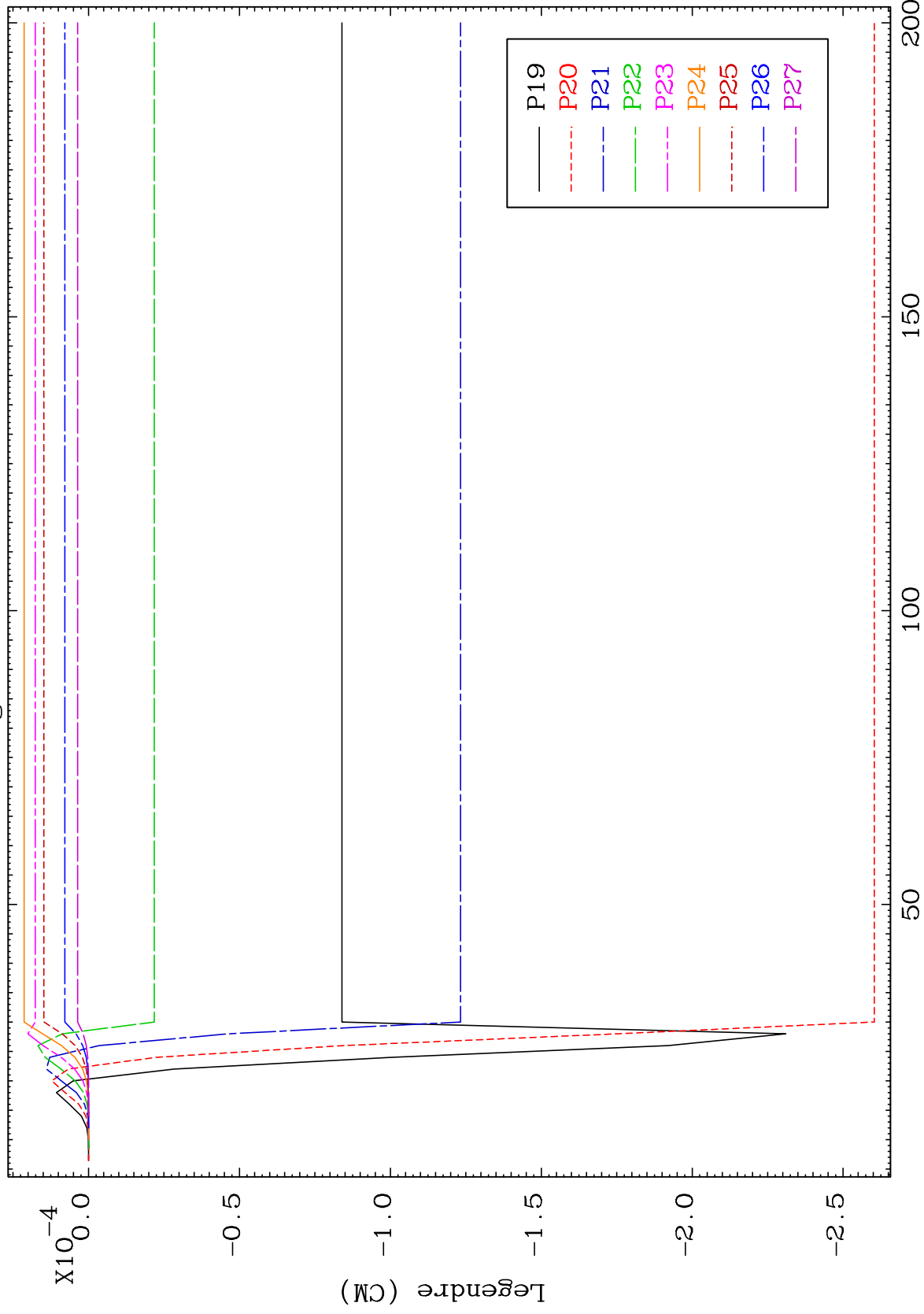
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



39

Incident Energy (MeV)

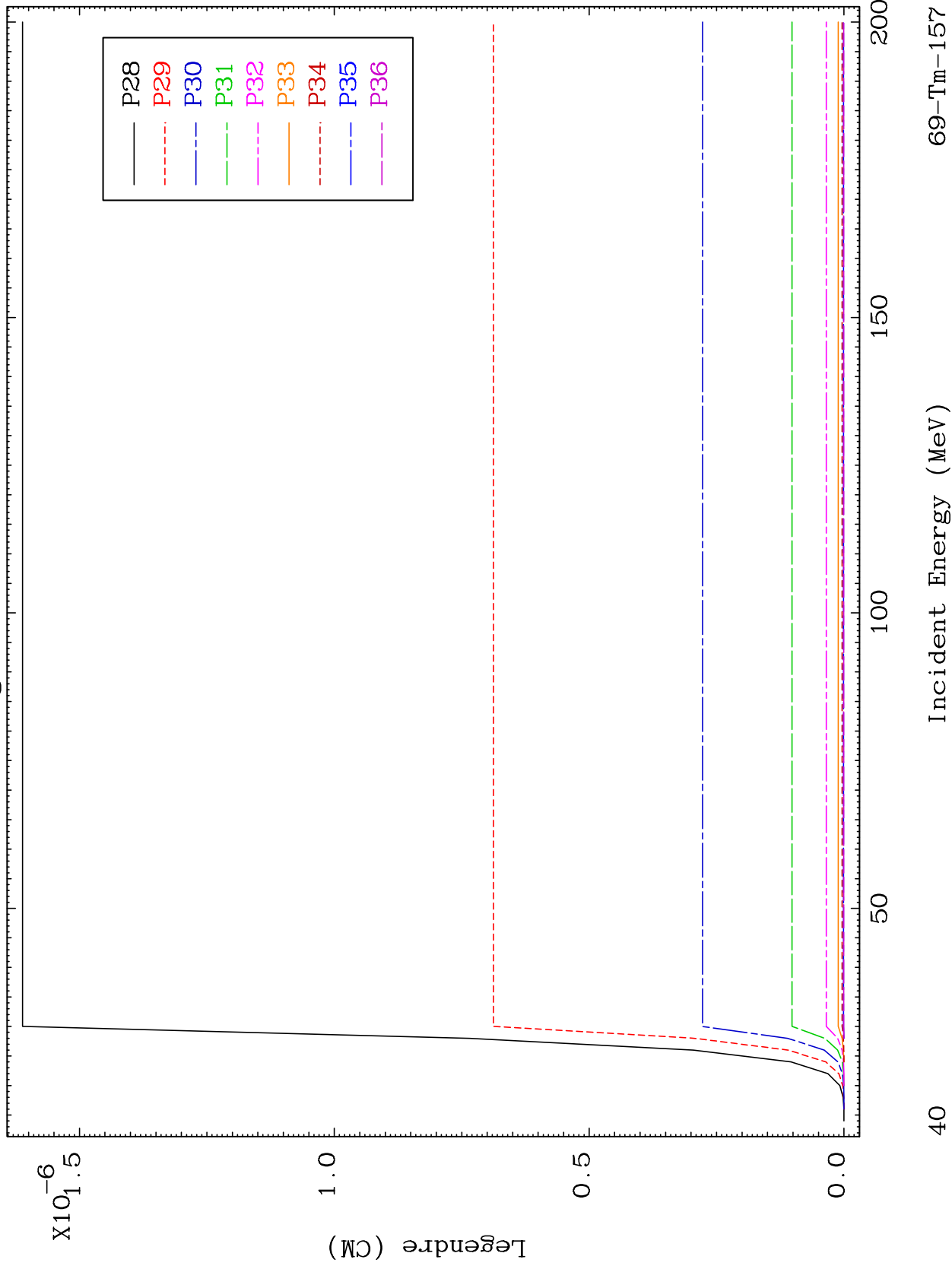
69-Tm-157



MAT 6889

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

69-Tm-157



40

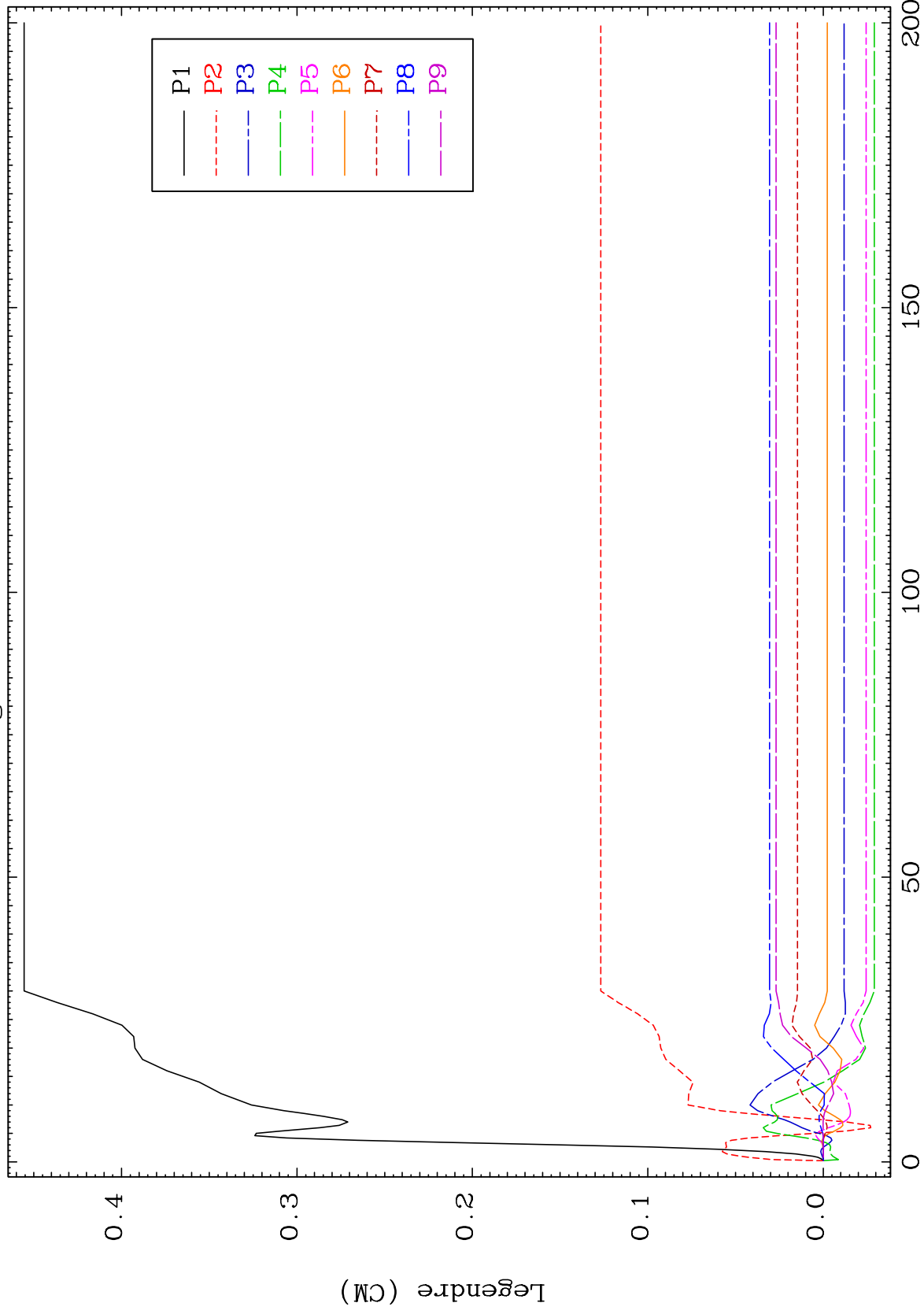
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



41

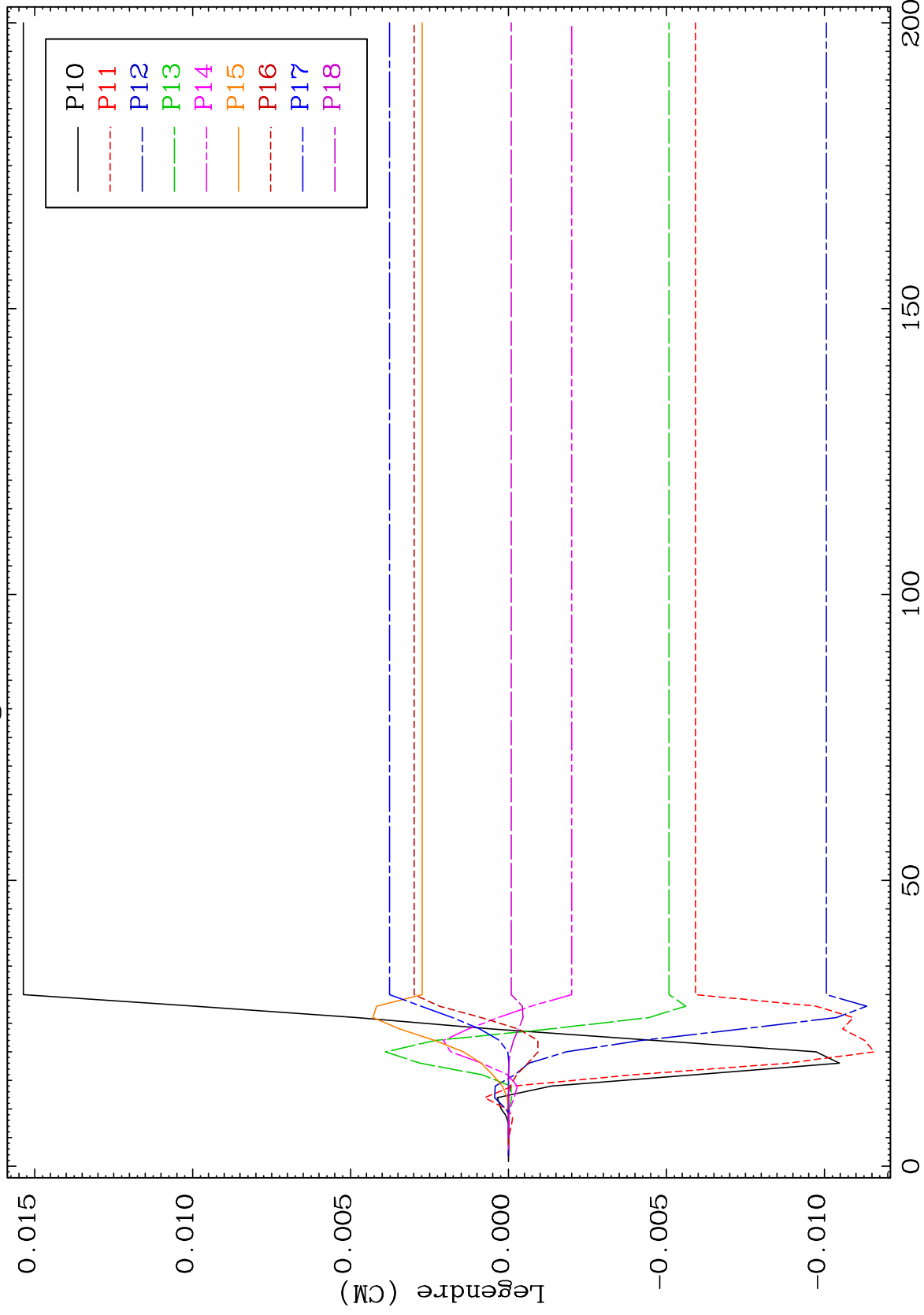
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



42

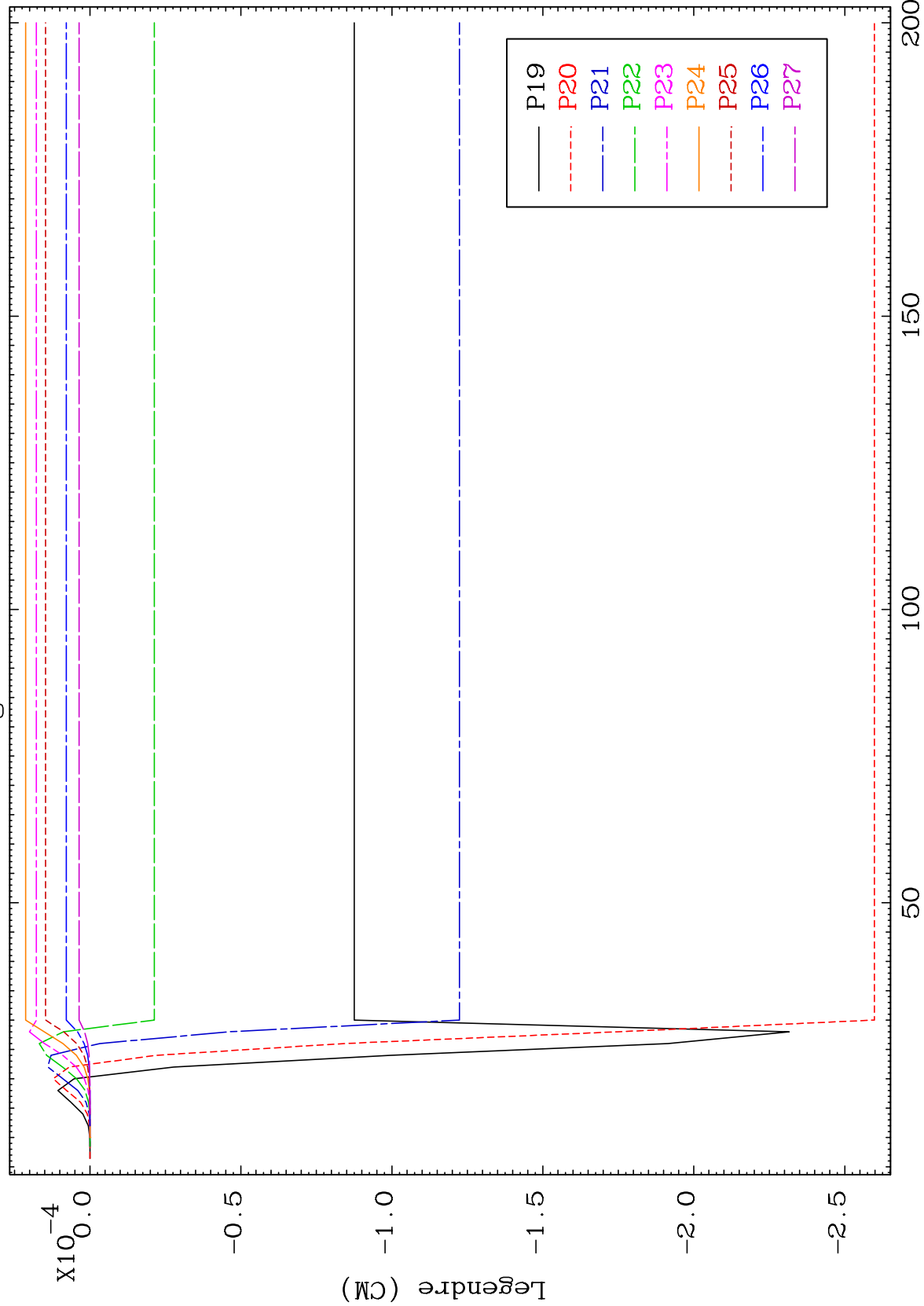
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

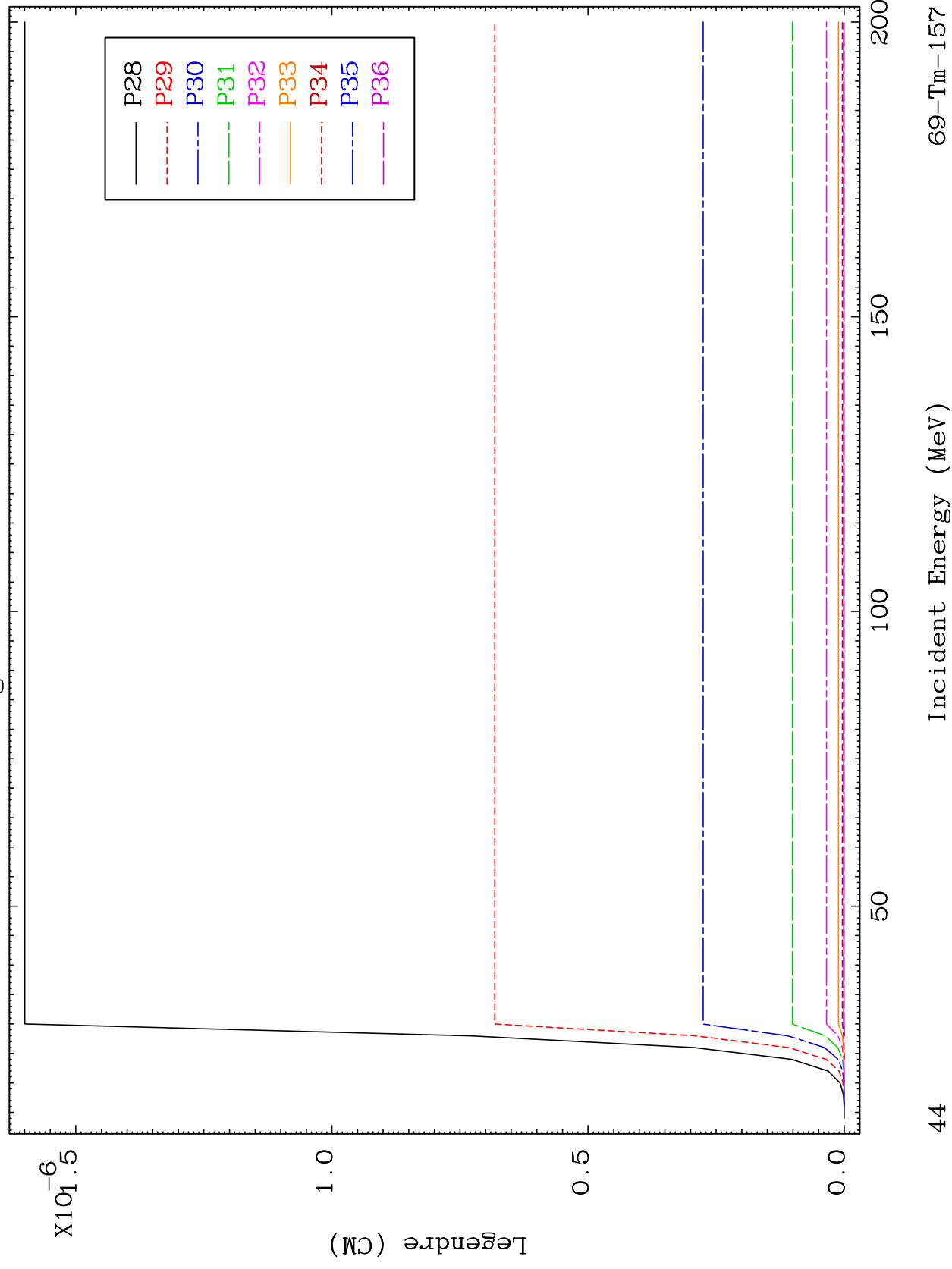
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MAT 6889

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

69-Tm-157



44

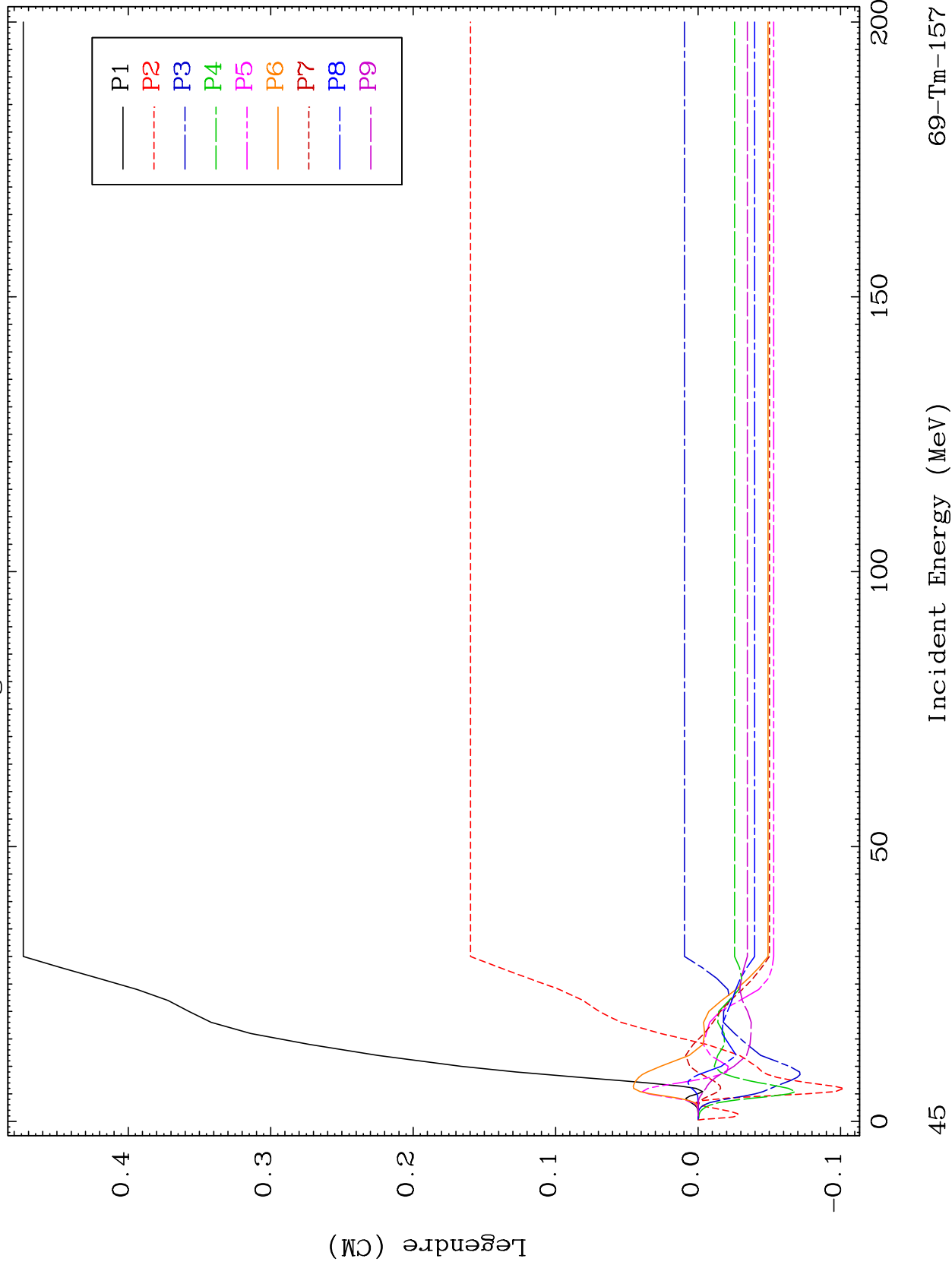
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



69-Tm-157

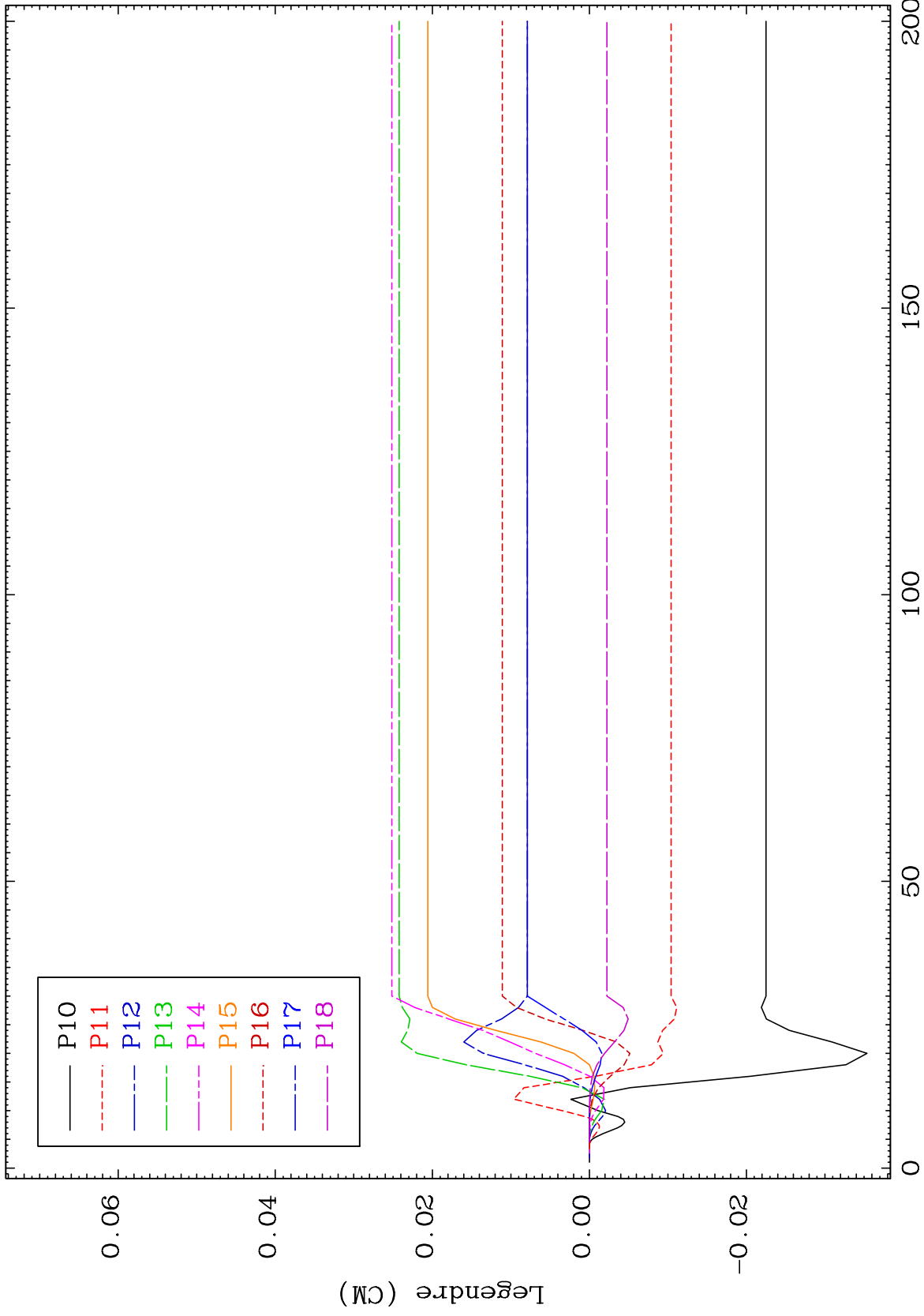
Incident Energy (MeV)

45

MAT 6889

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

69-Tm-157



46

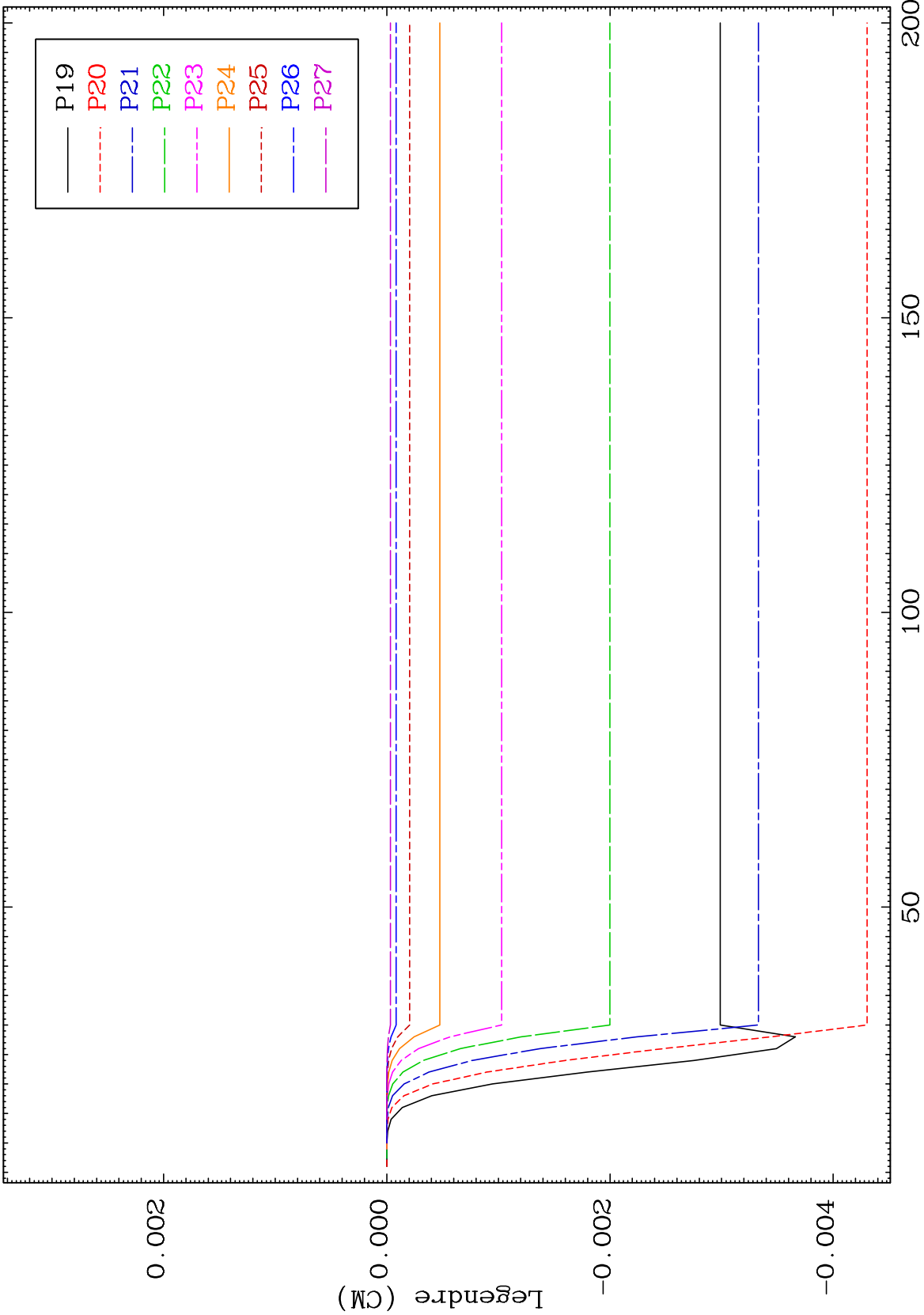
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157

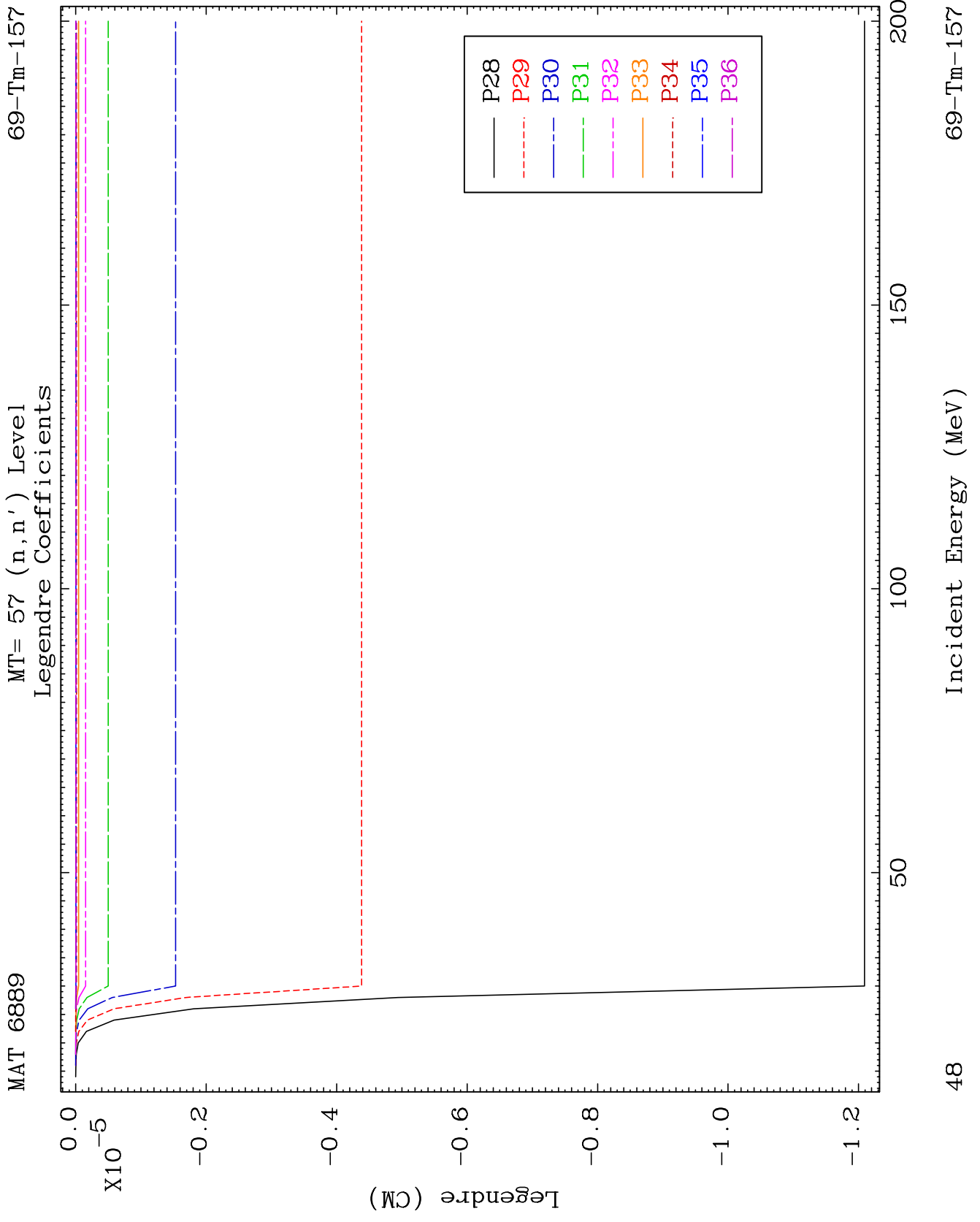


47

Incident Energy (MeV)

69-Tm-157

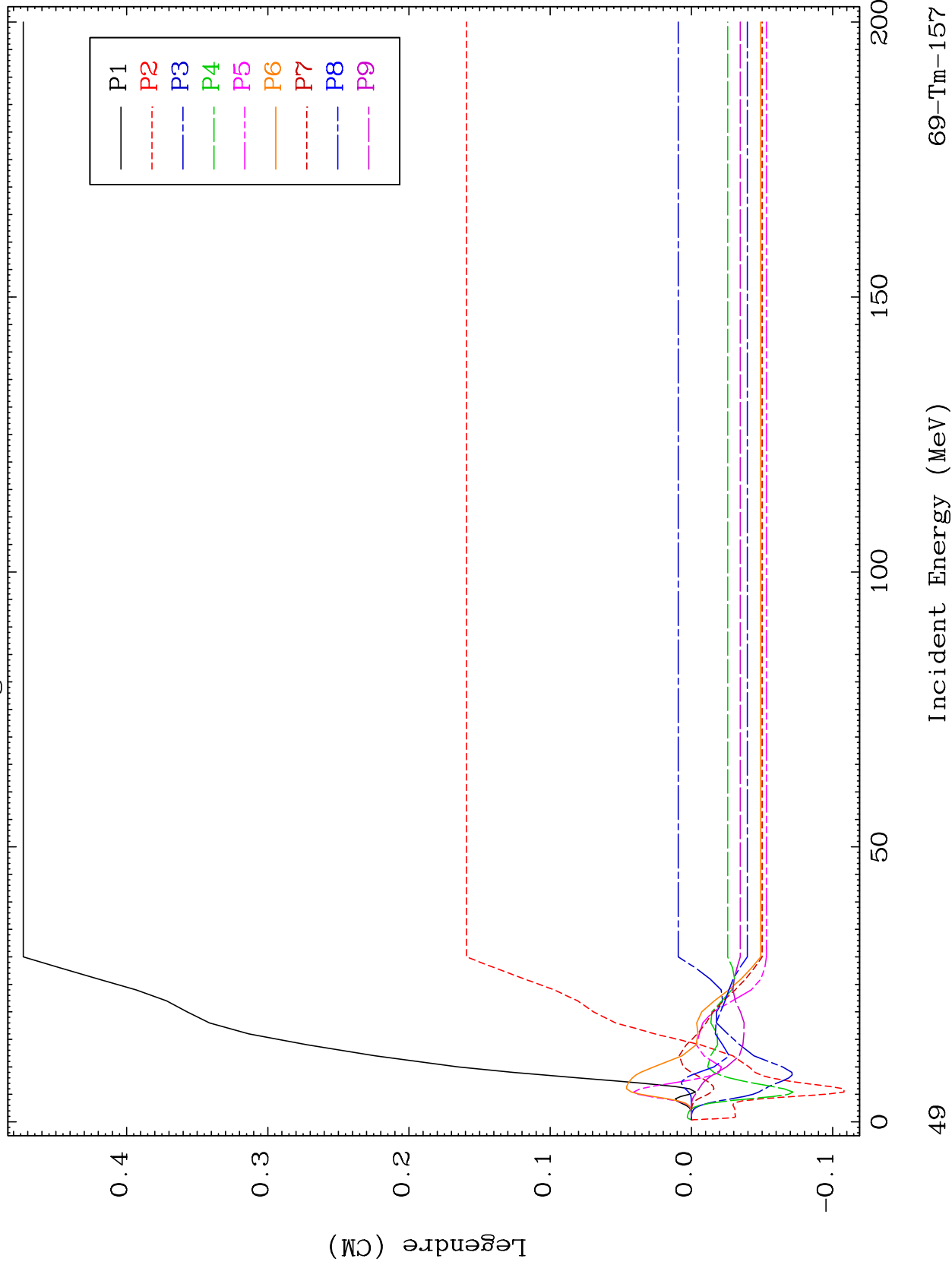




MAT 6889

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

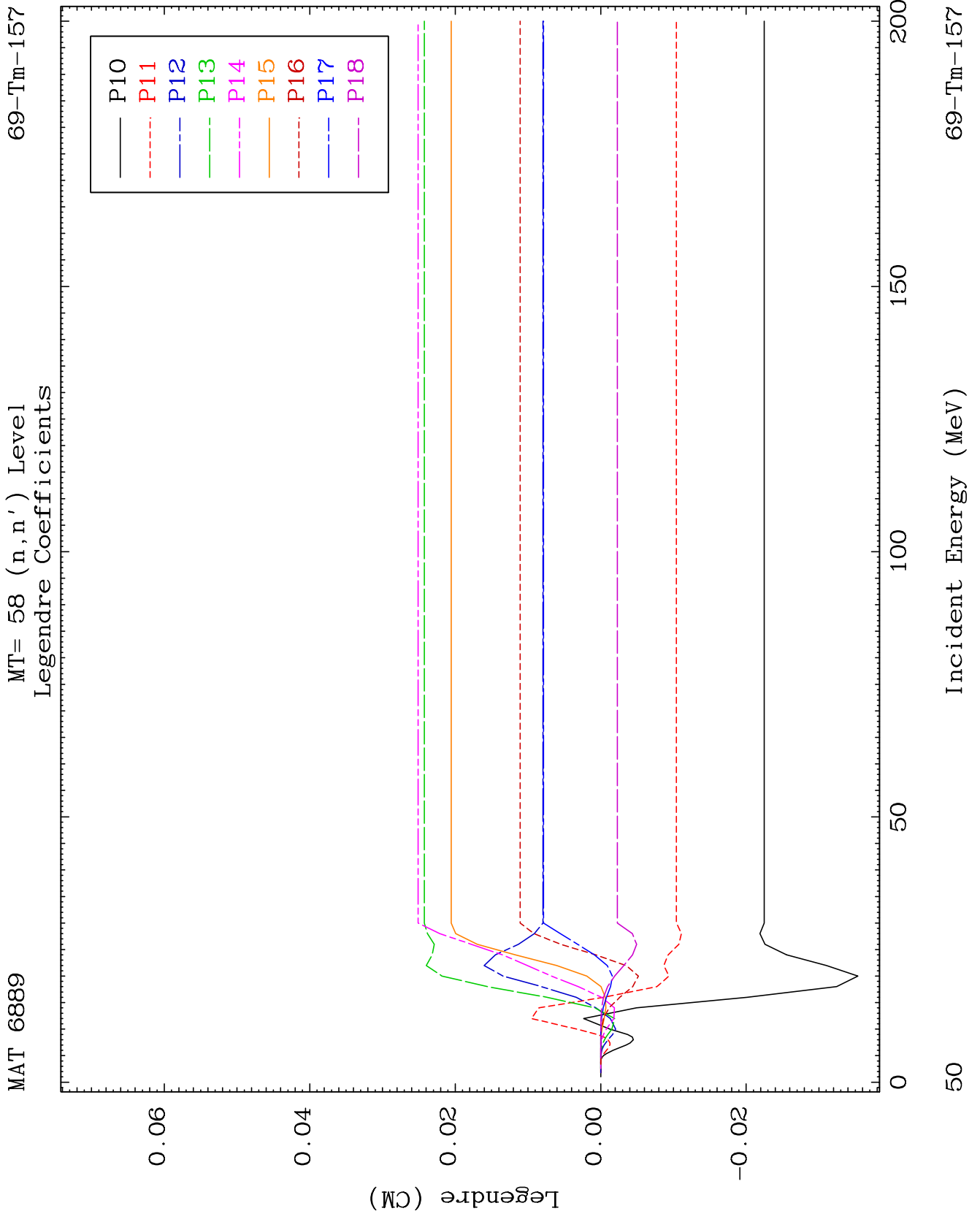
69-Tm-157



69-Tm-157

Incident Energy (MeV)

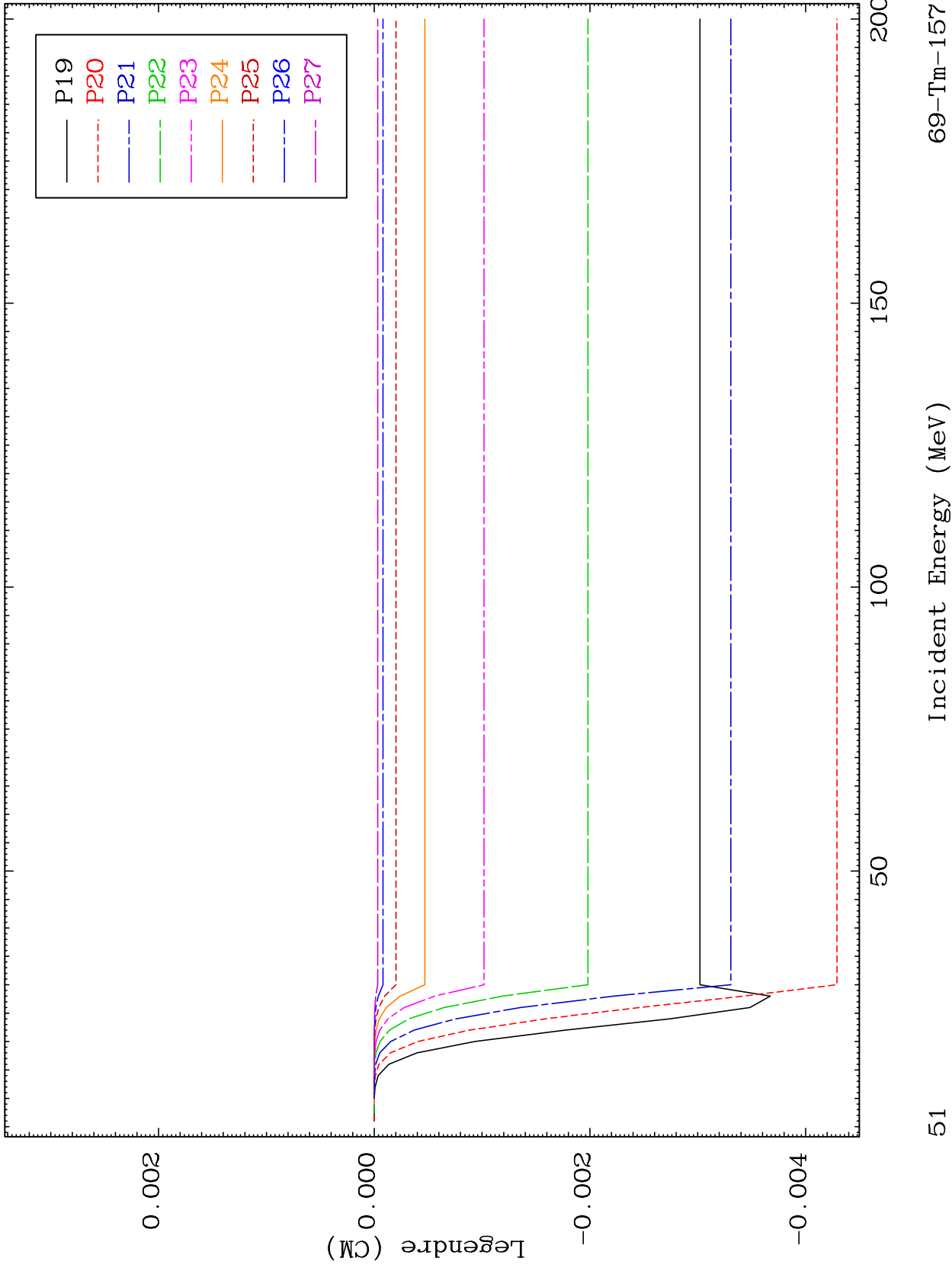
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MAT 6889

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

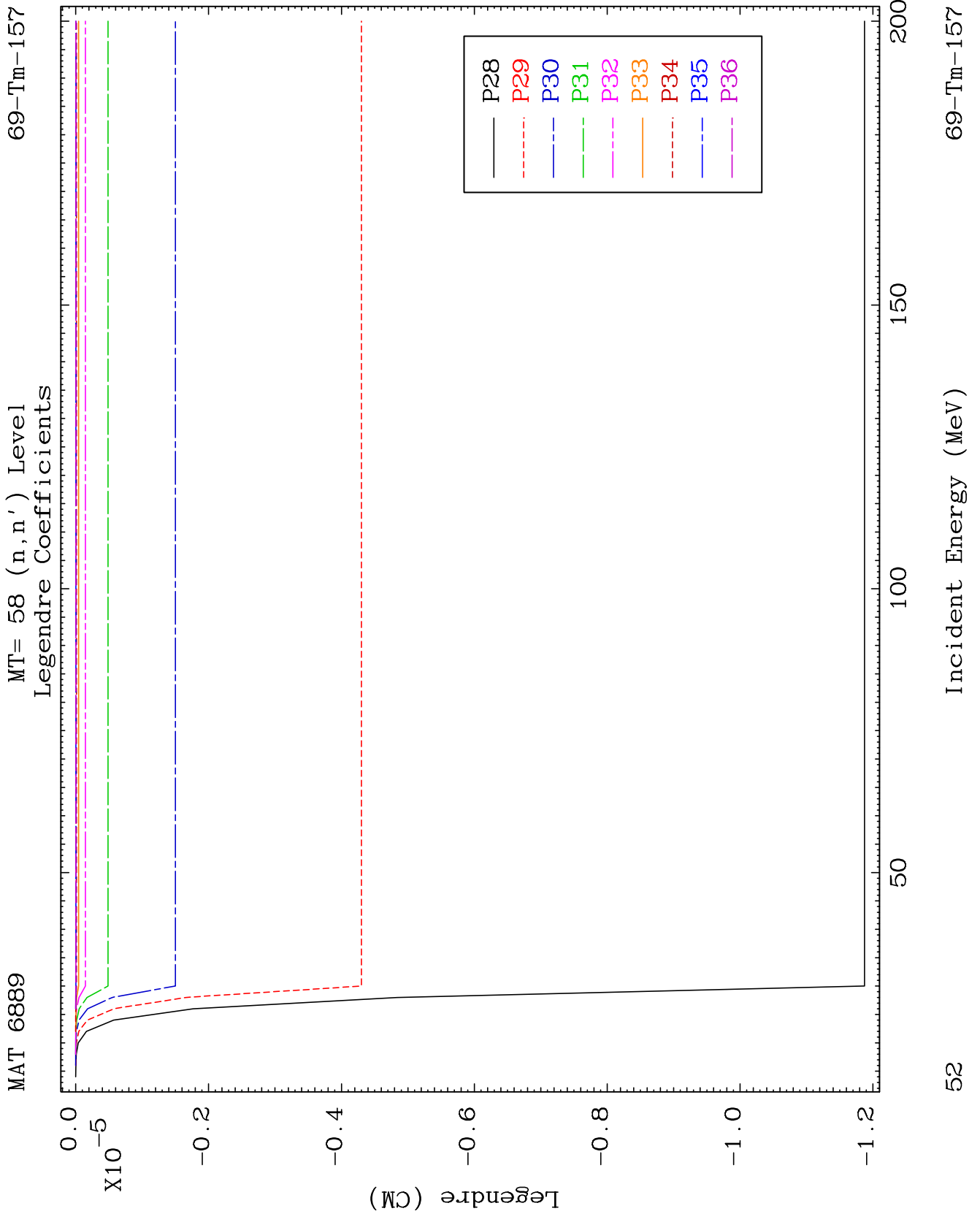
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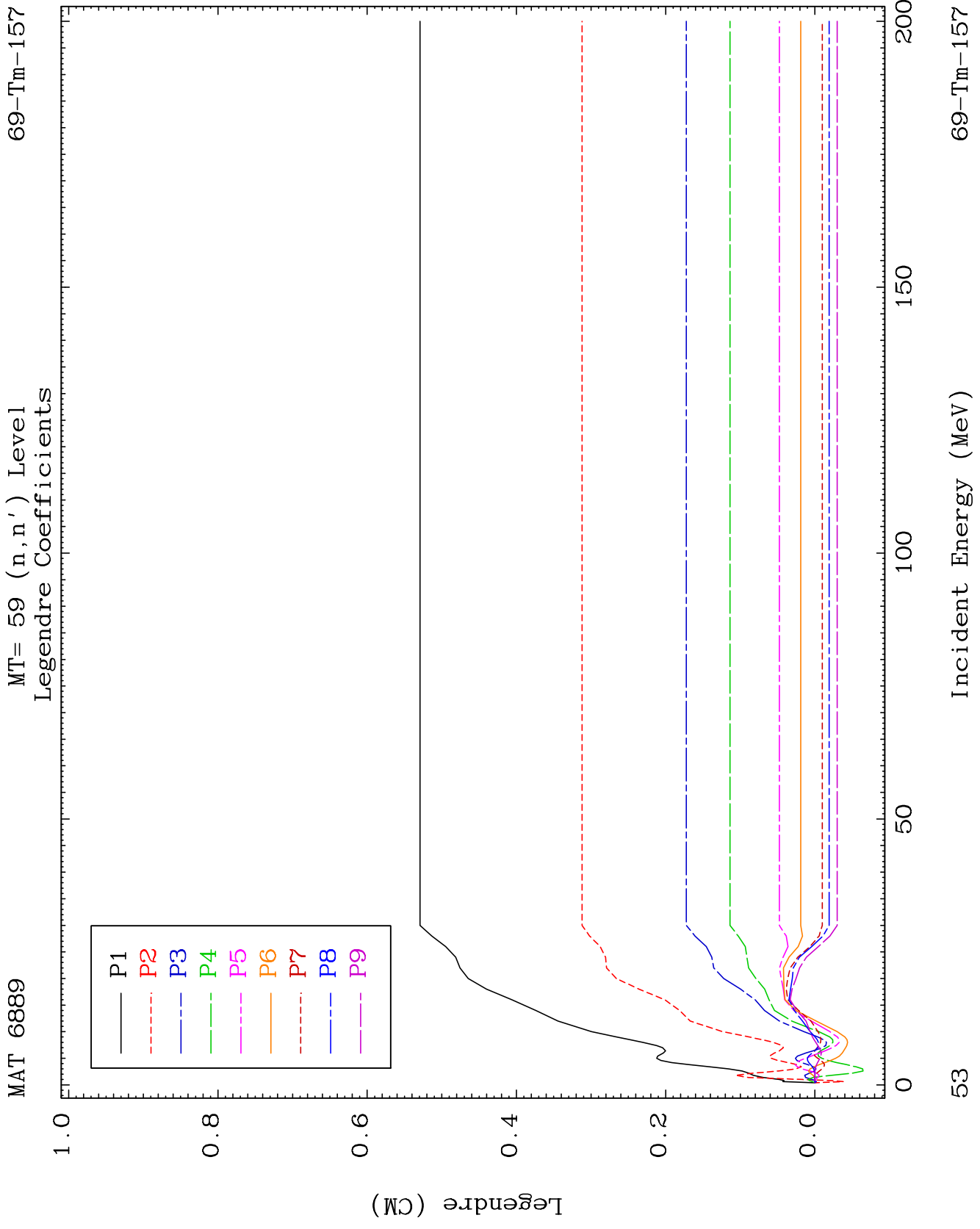


51

Incident Energy (MeV)

69-Tm-157

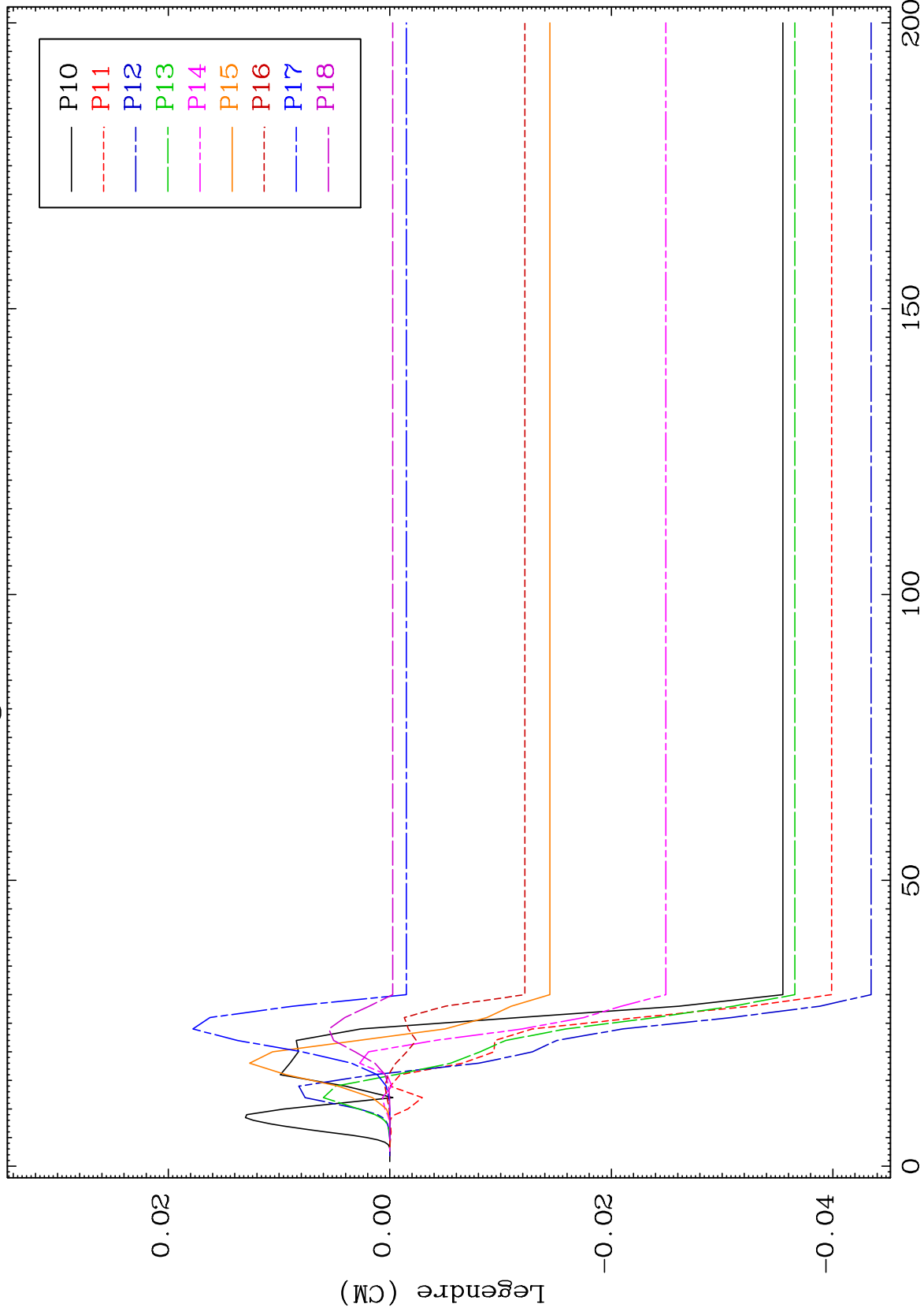




MAT 6889

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

69-Tm-157



54

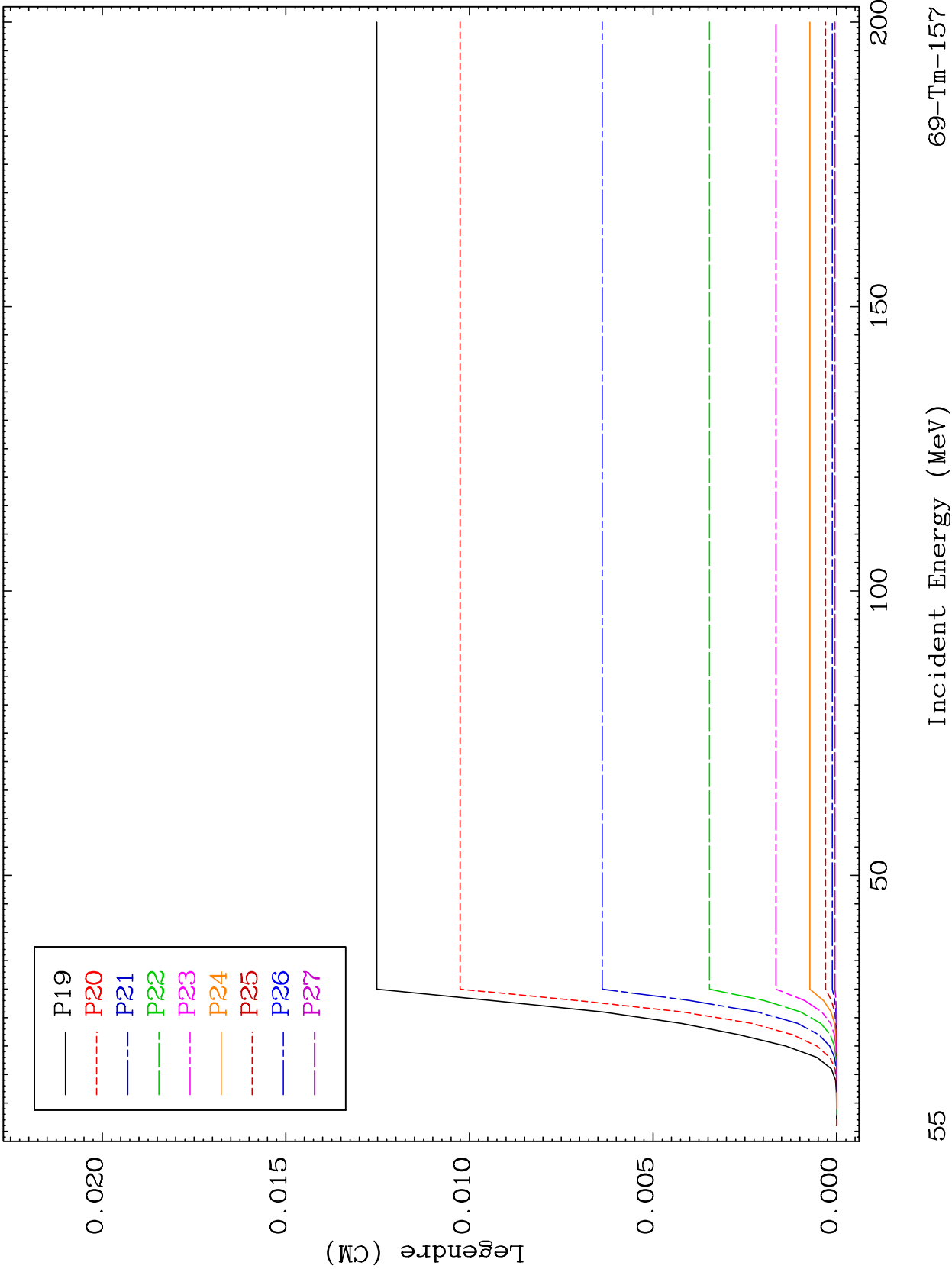
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



55

Incident Energy (MeV)

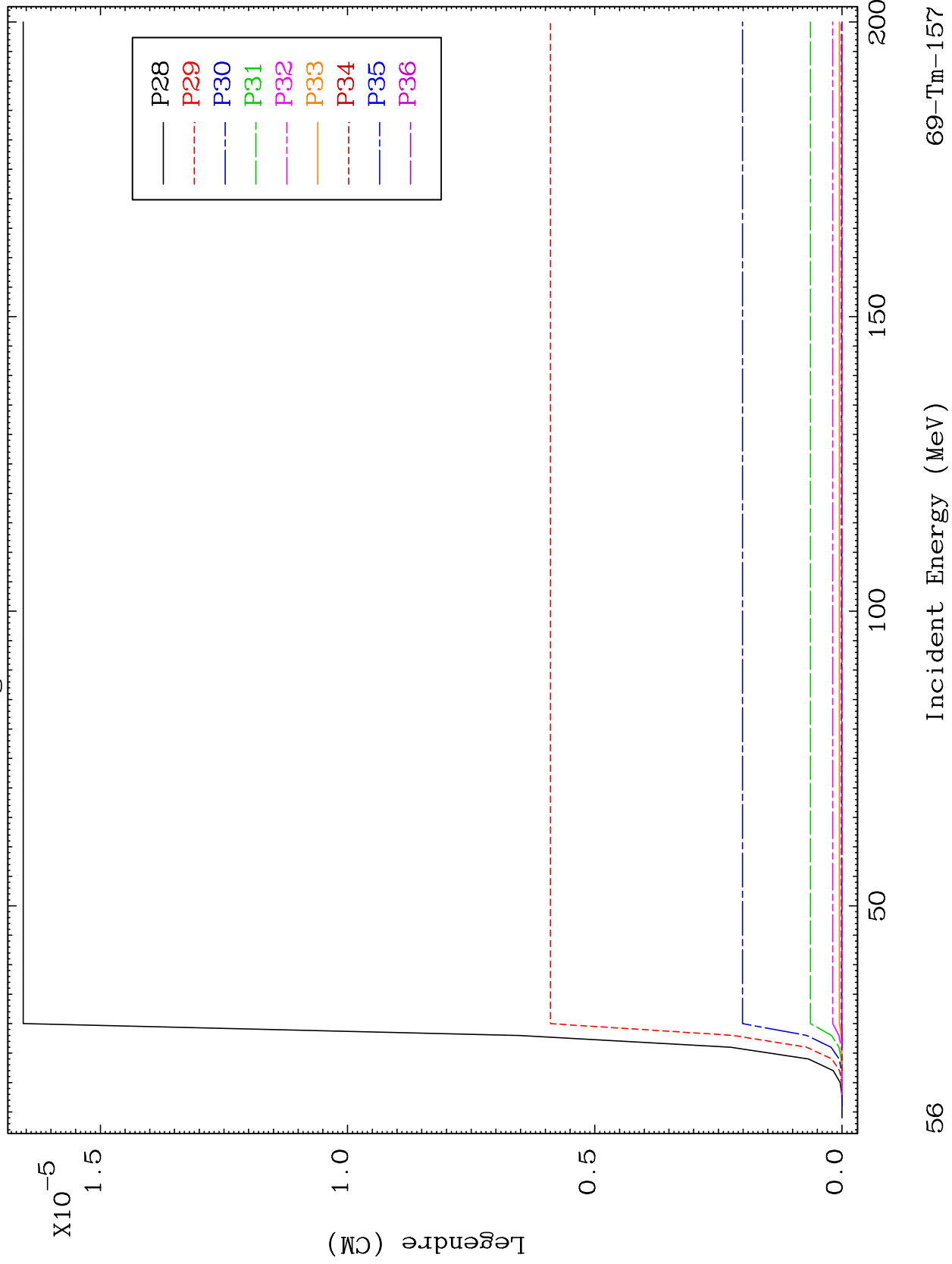
69-Tm-157



MAT 6889

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

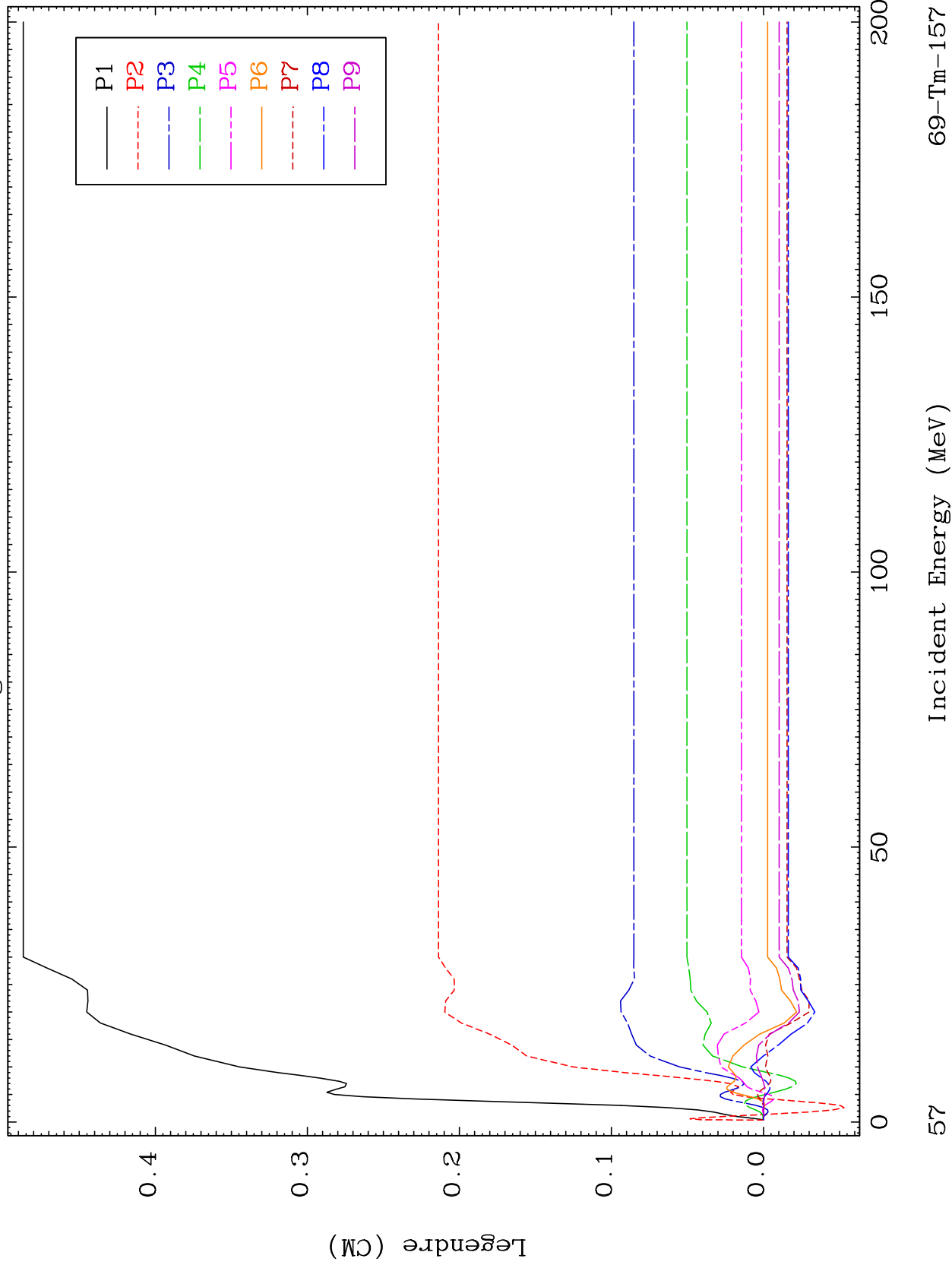
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

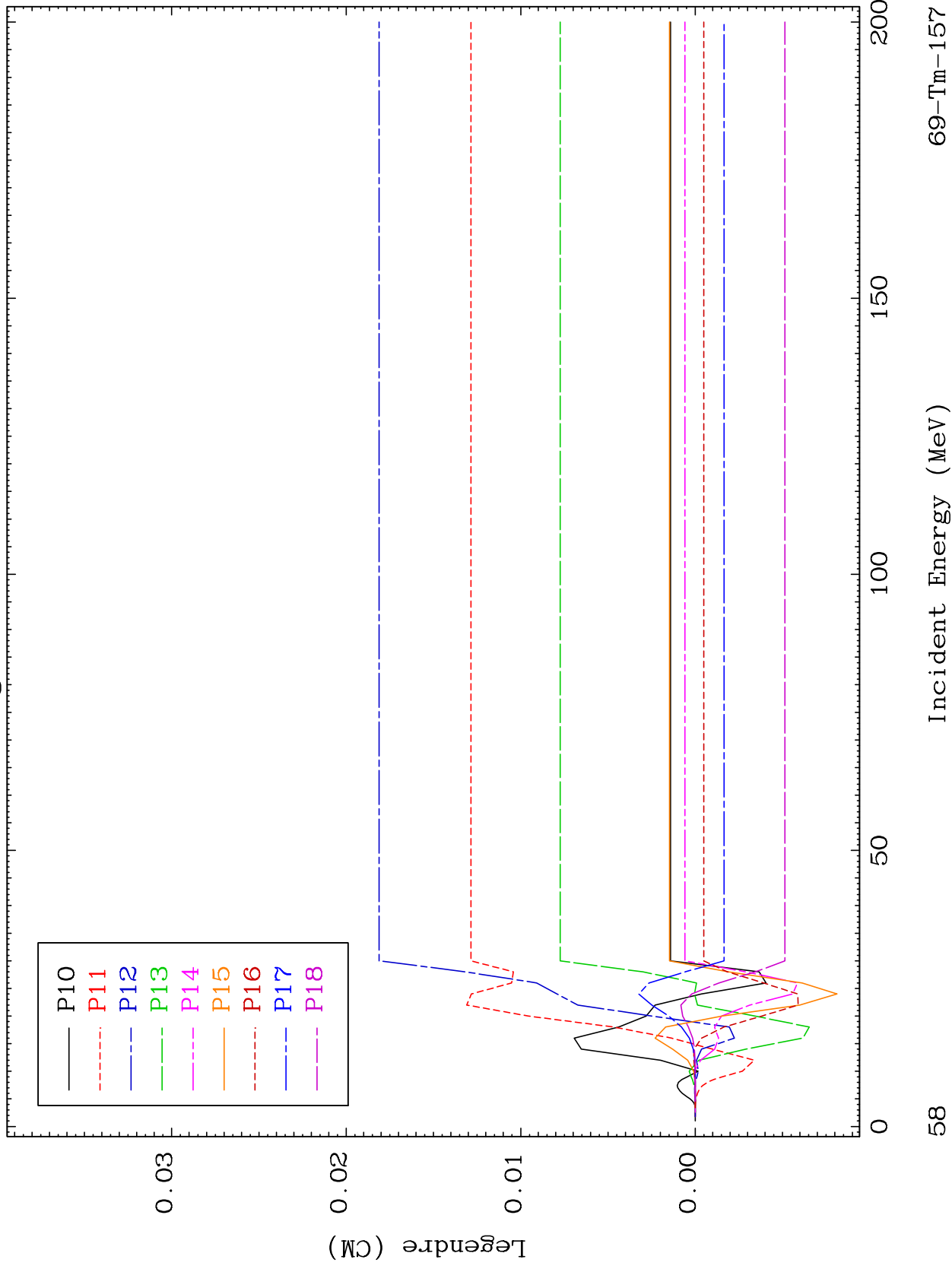
Incident Energy (MeV)

57

MAT 6889

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

69-Tm-157



58

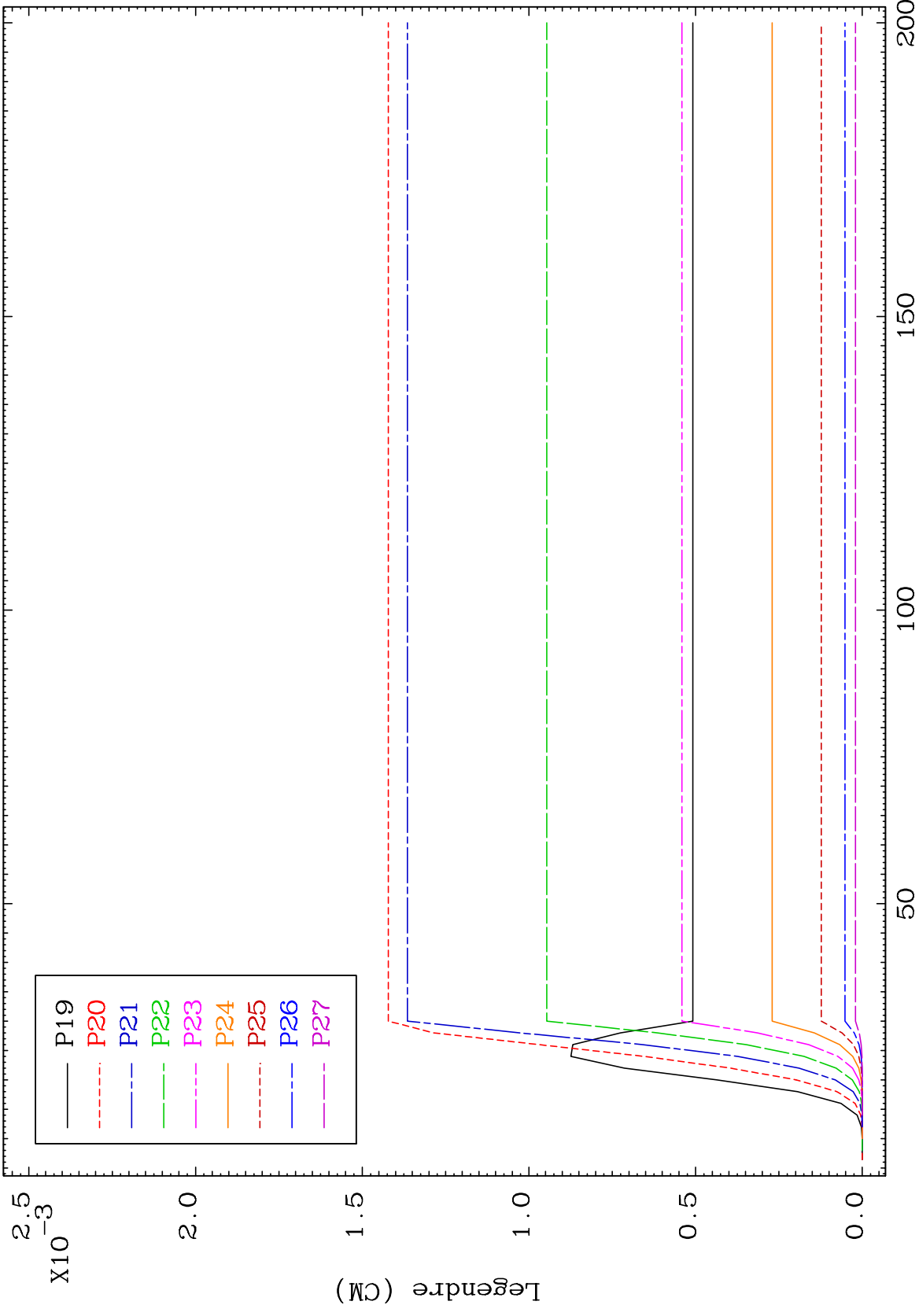
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

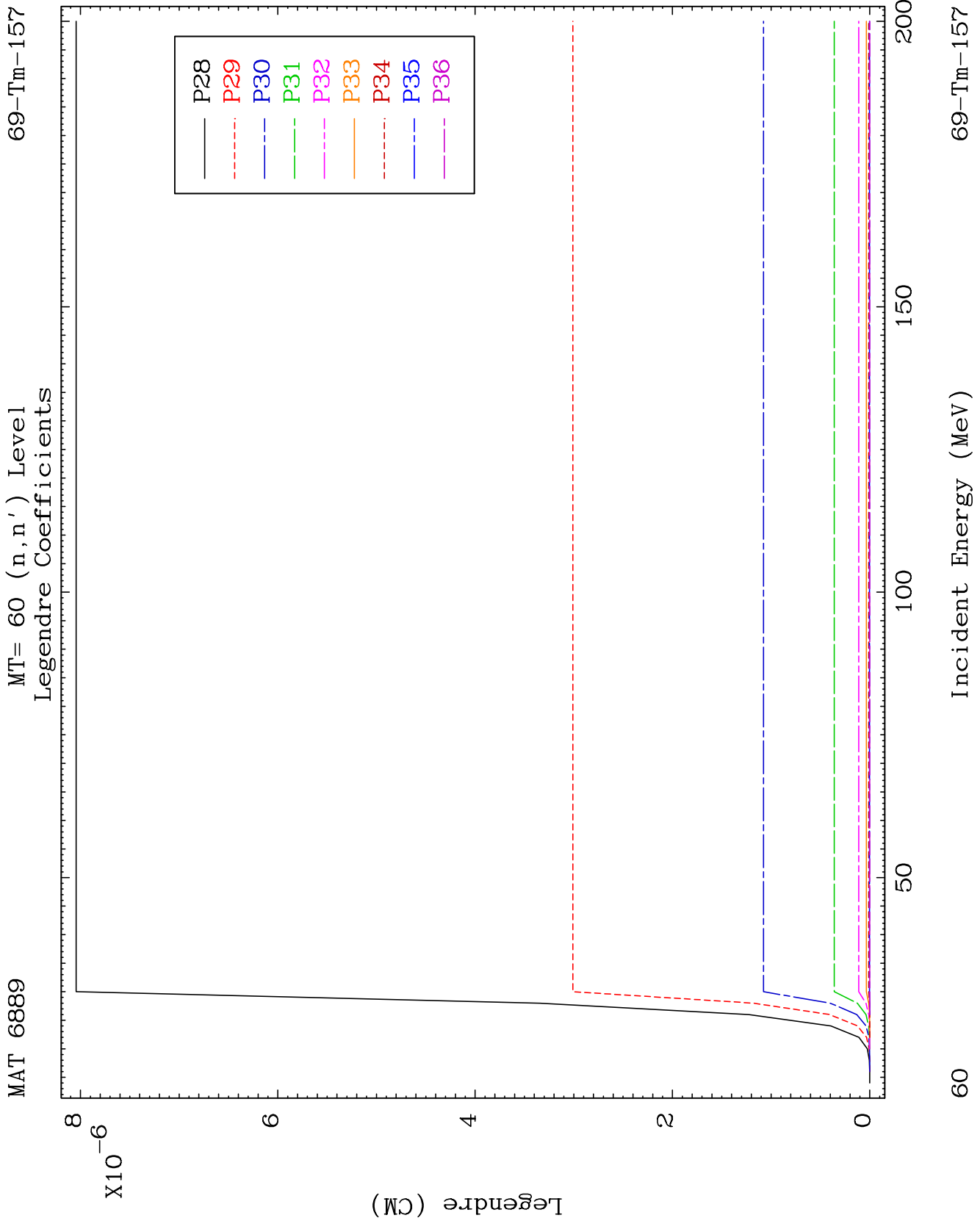
69-Tm-157



59

Incident Energy (MeV)

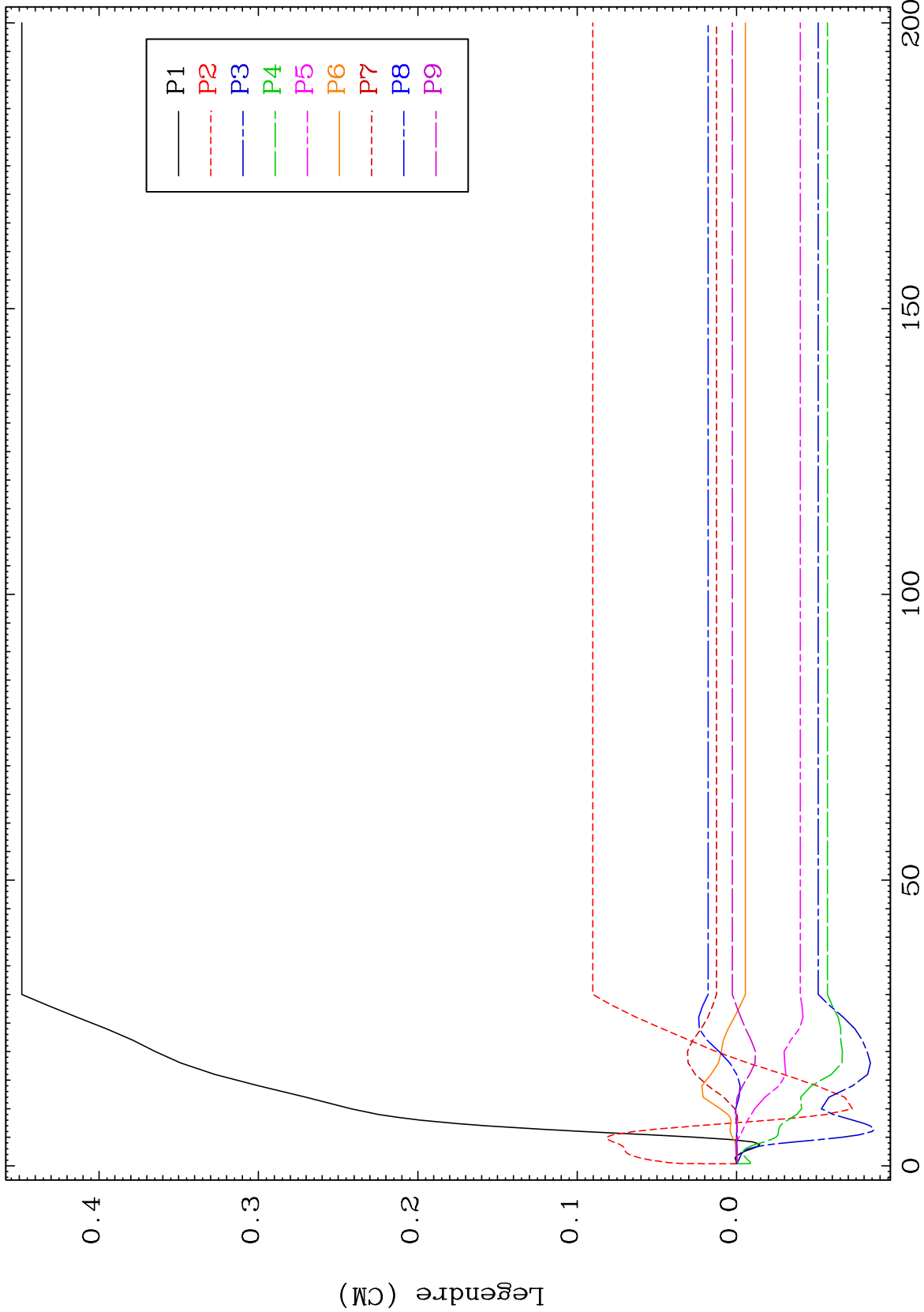
69-Tm-157



MAT 6889

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

69-Tm-157



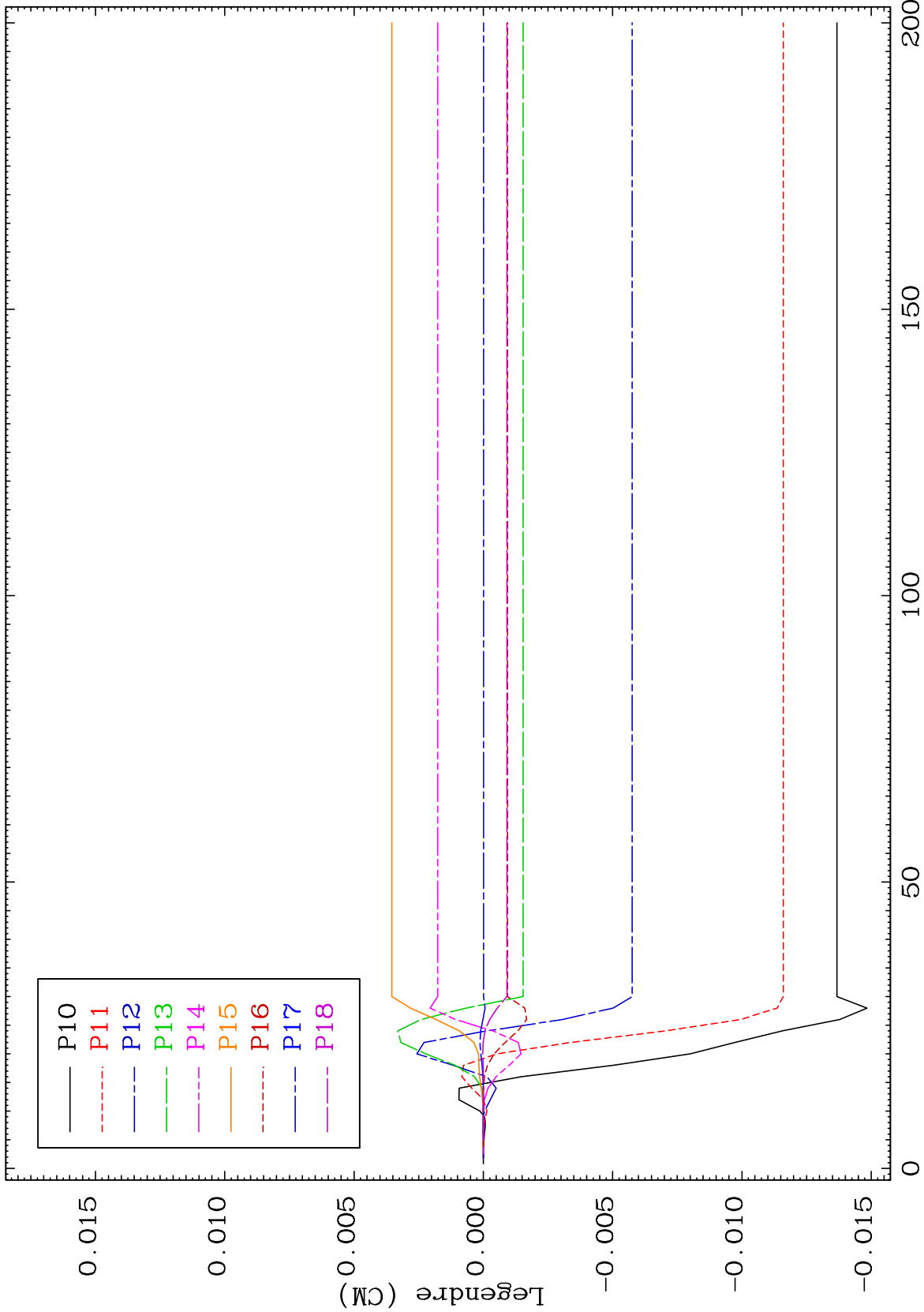
61

69-Tm-157

MAT 6889

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

69-Tm-157



62

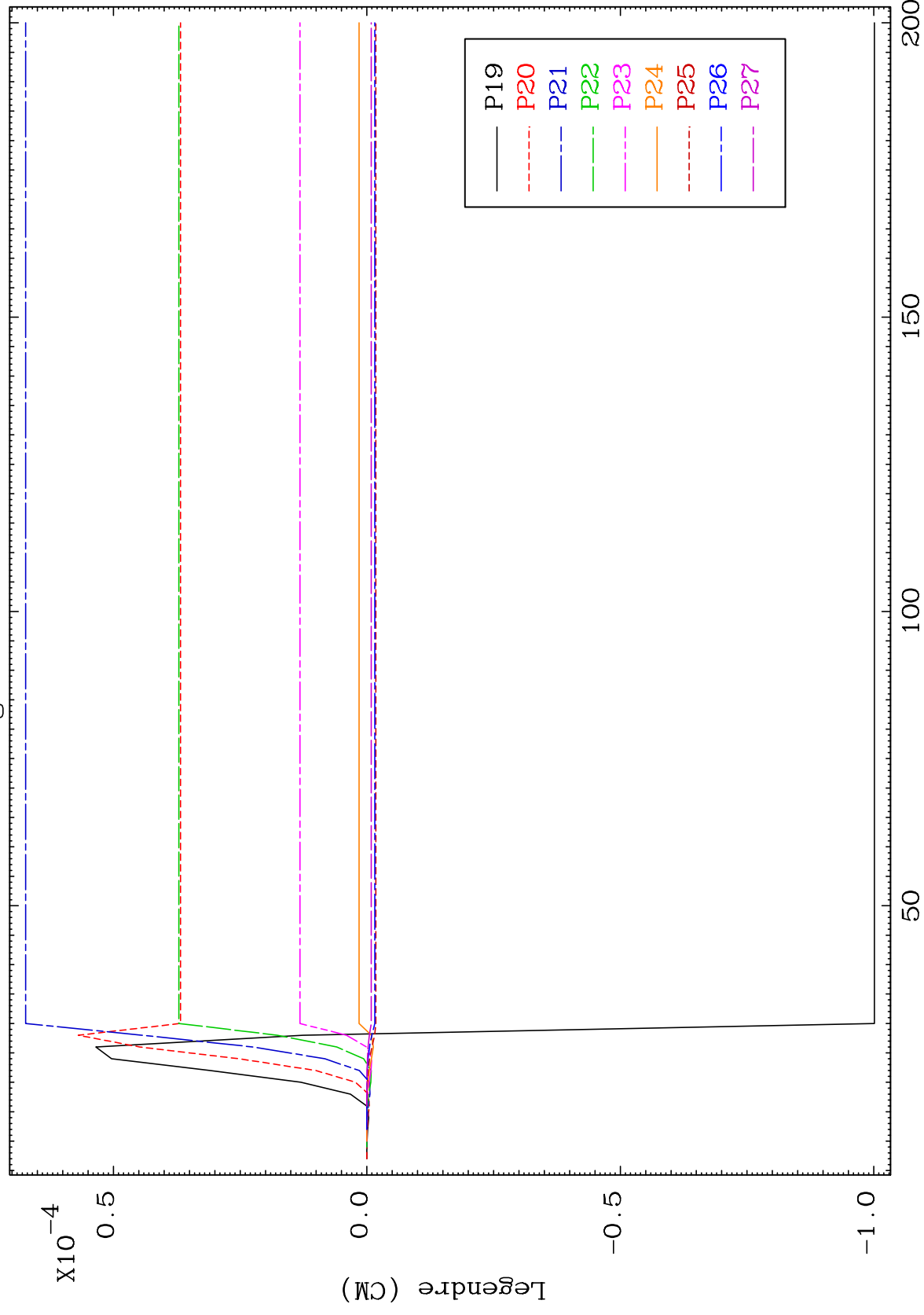
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157

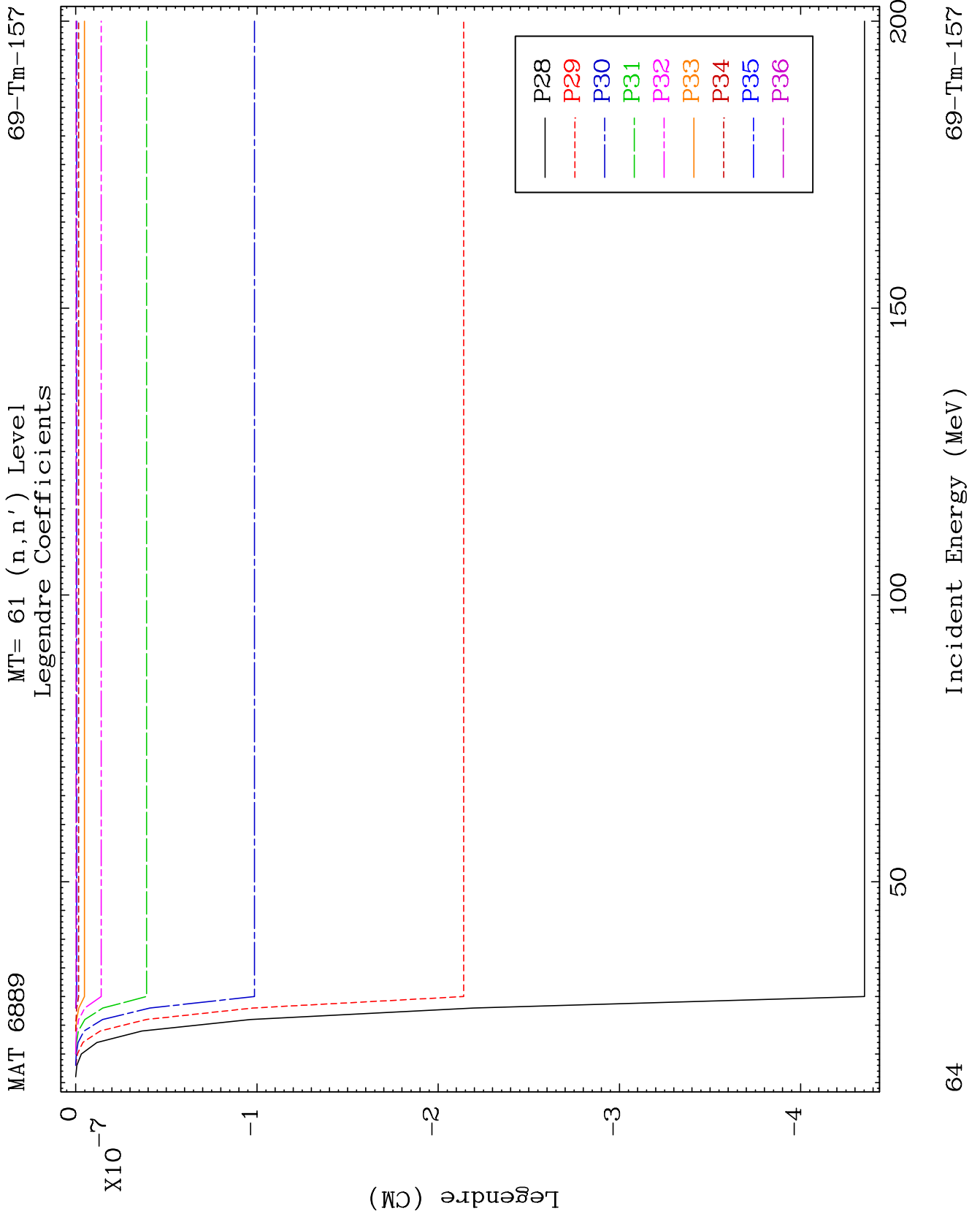


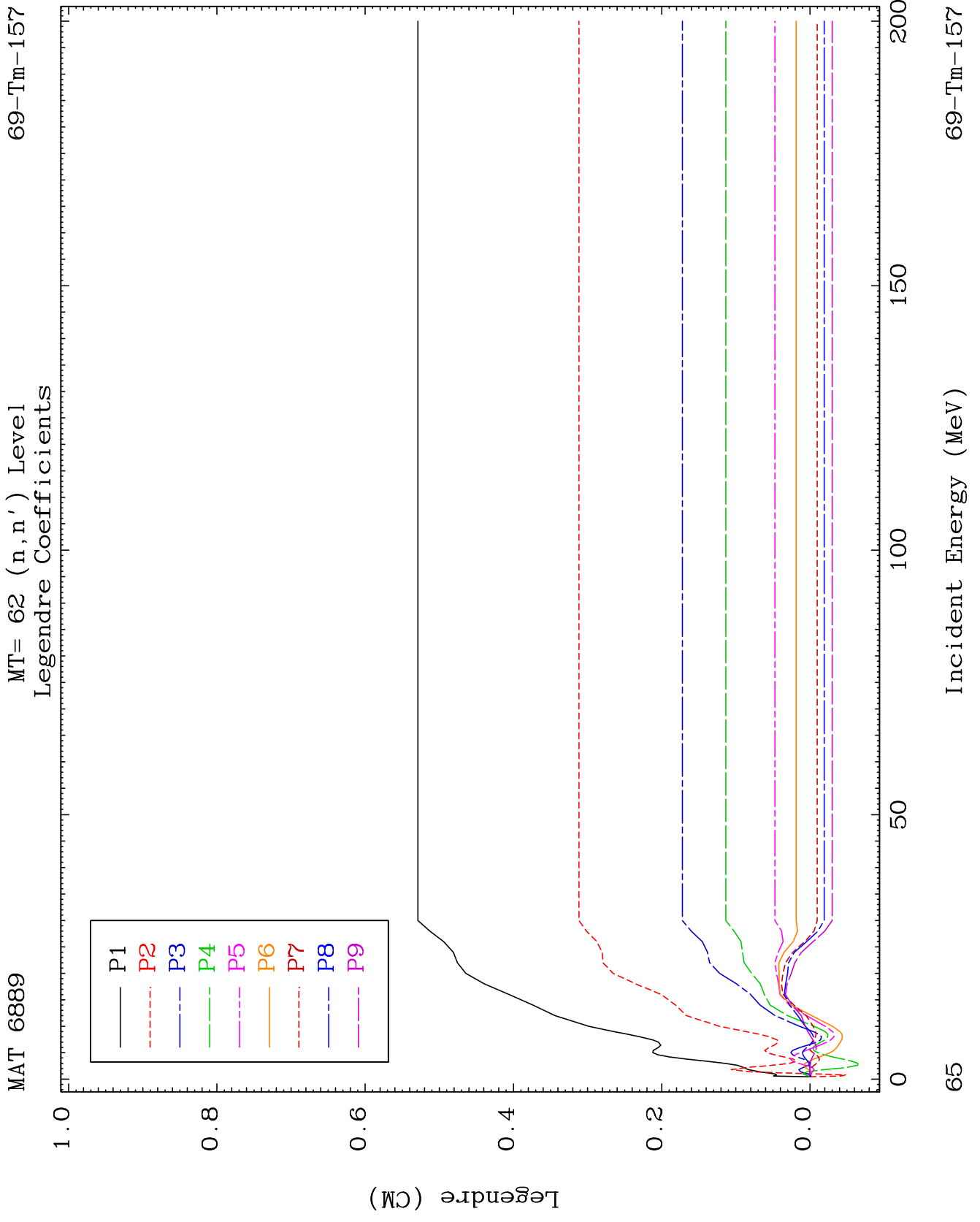
63

Incident Energy (MeV)

69-Tm-157



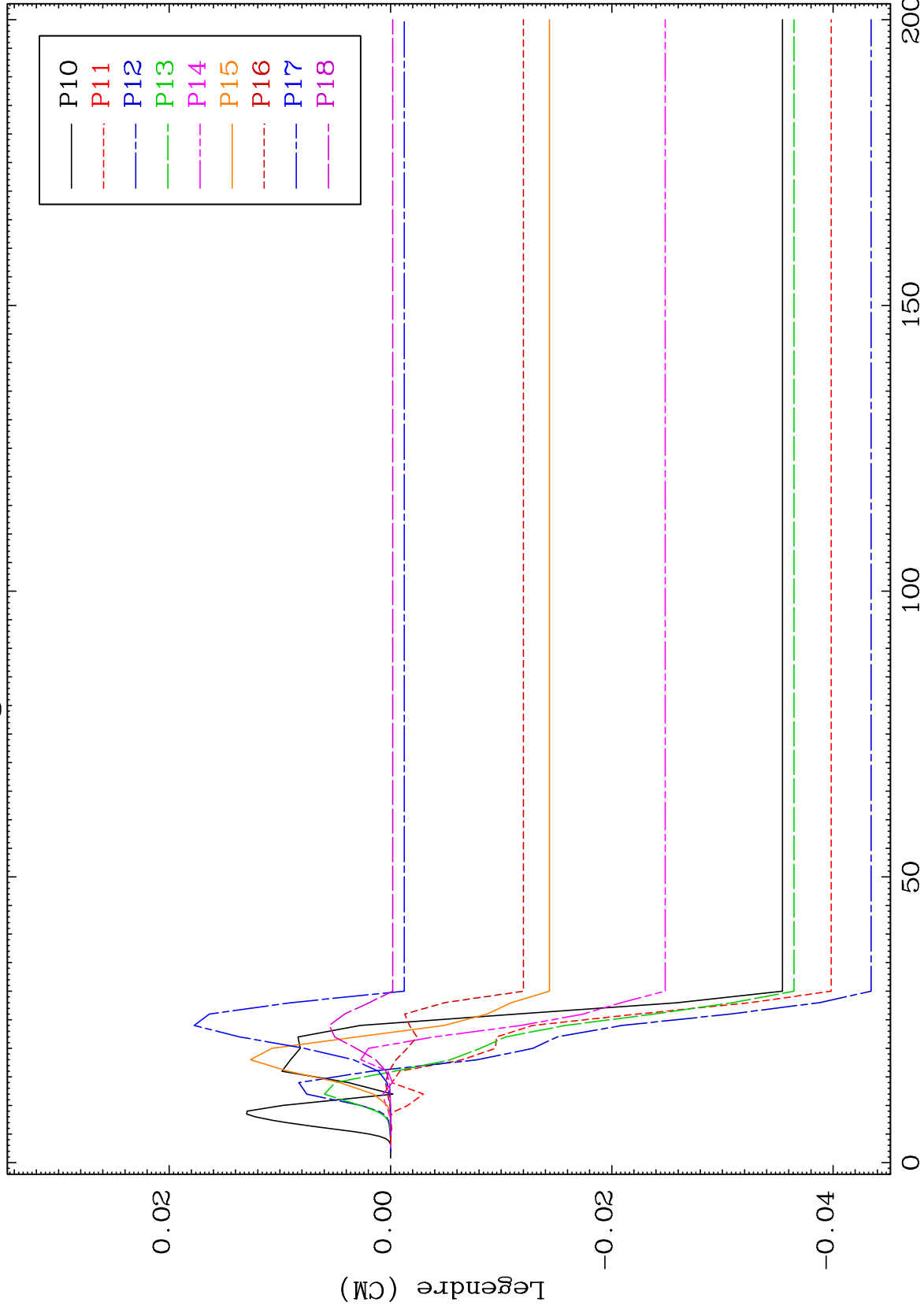




MAT 6889

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

69-Tm-157



66

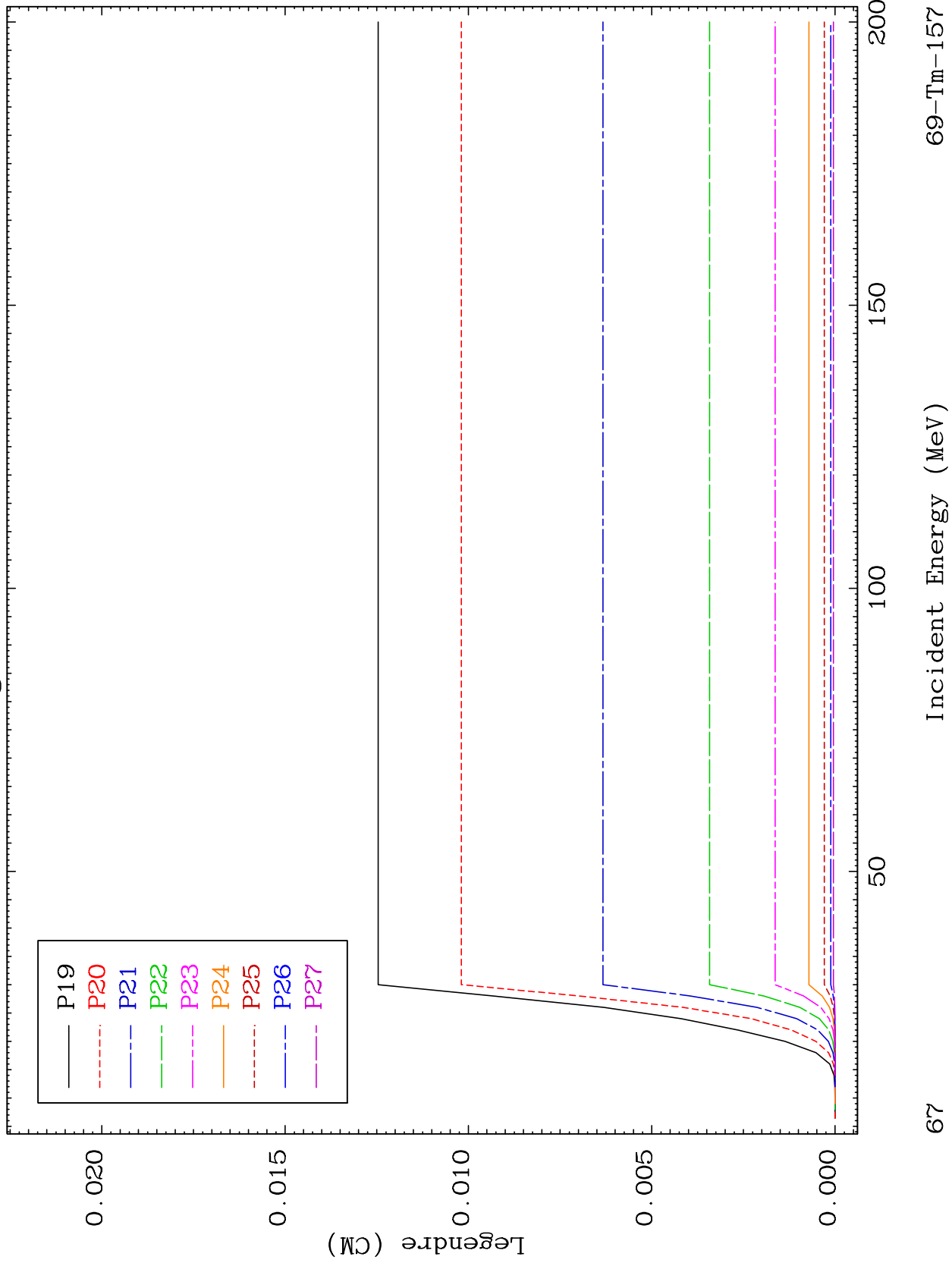
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

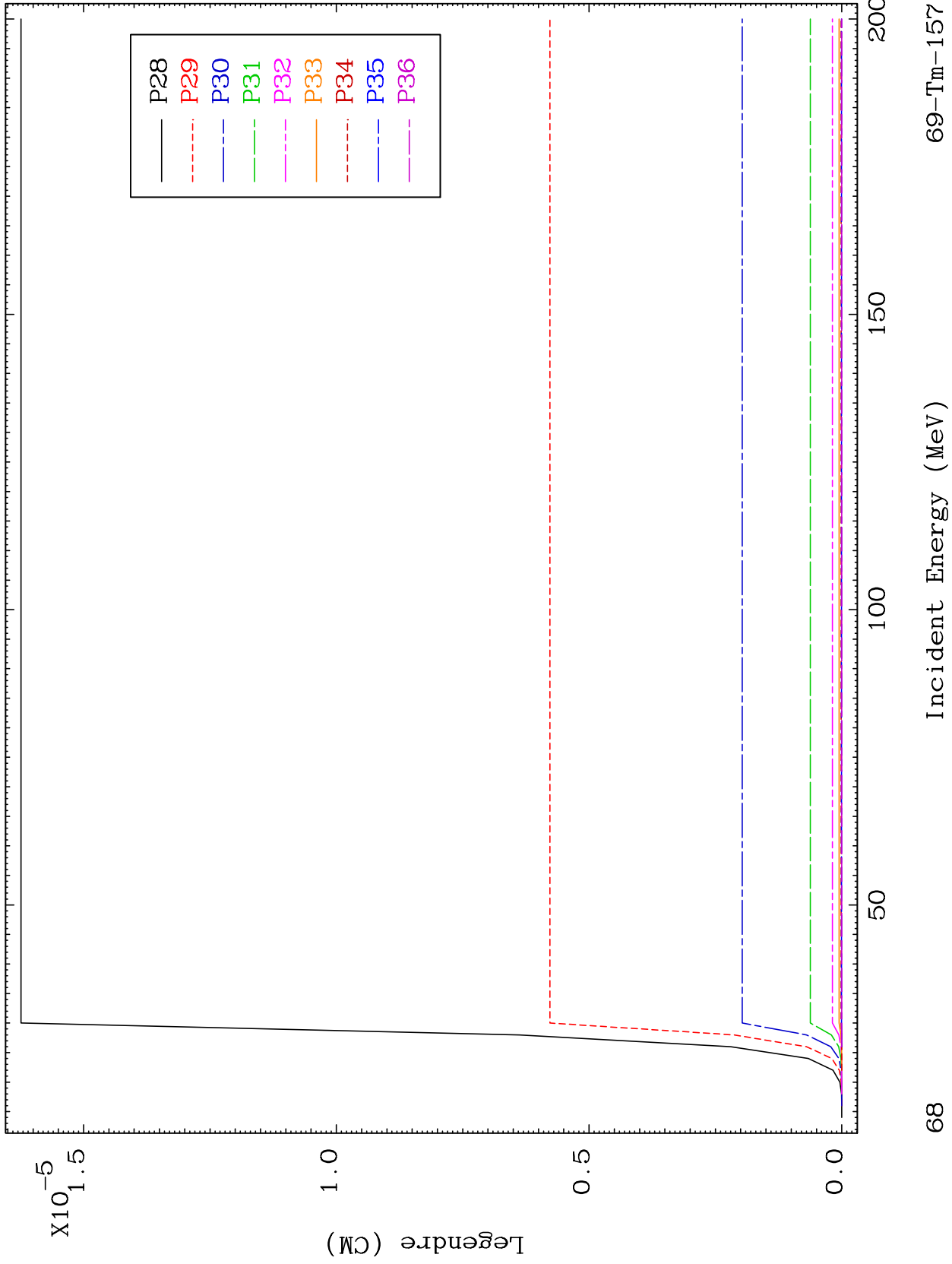
69-Tm-157



MAT 6889

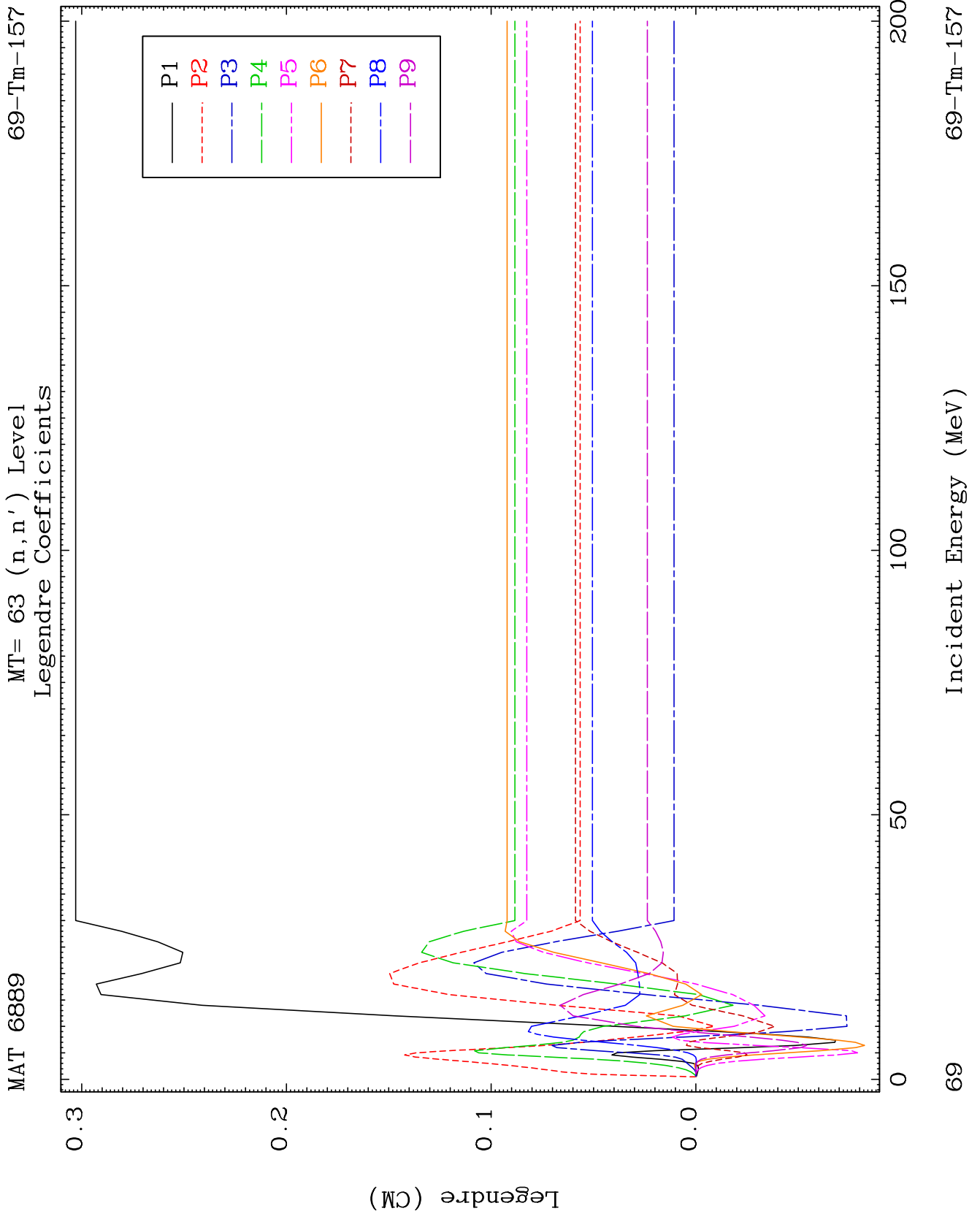
MT= 62 (n,n') Level  
Legendre Coefficients

69-Tm-157



68

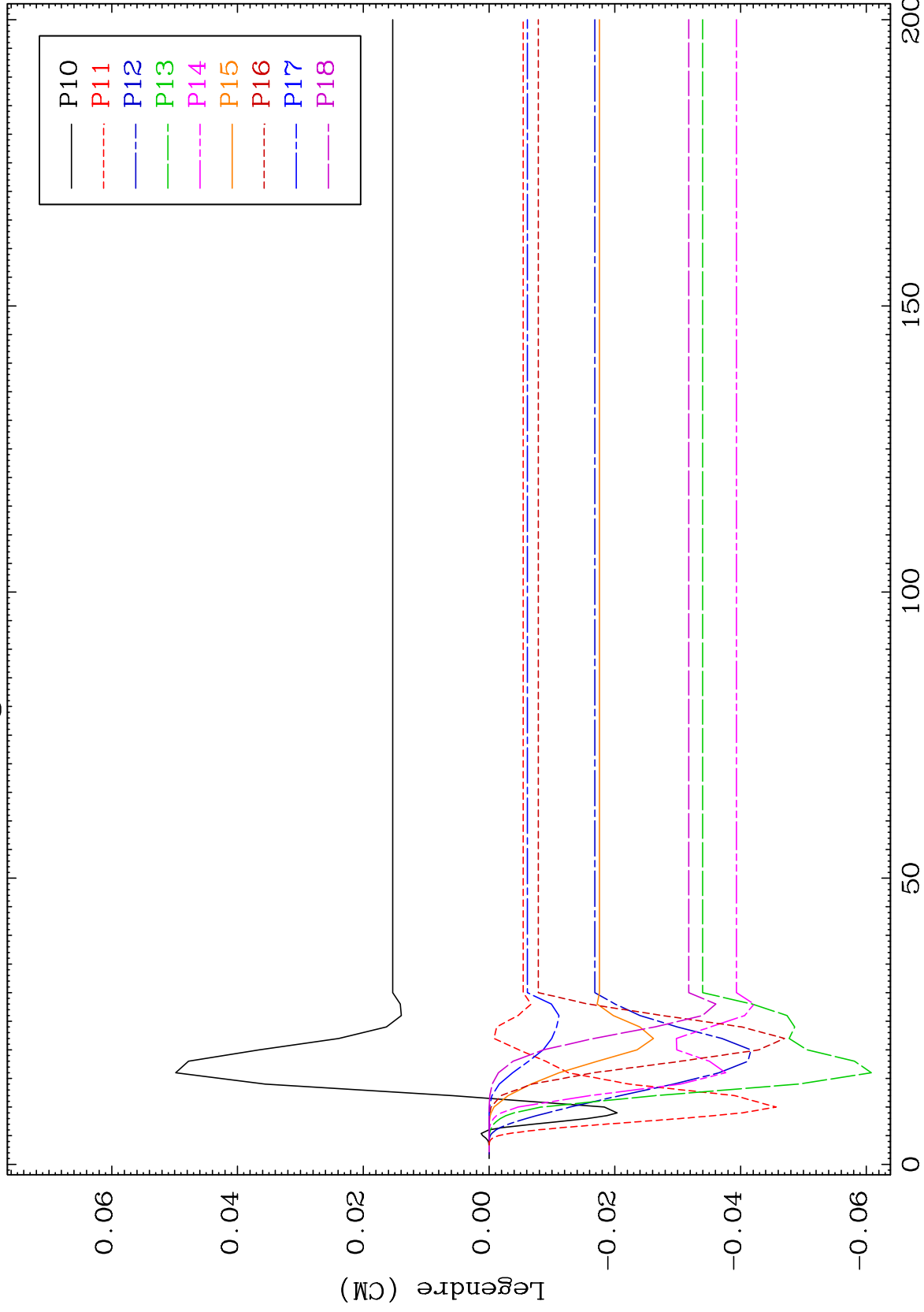
69-Tm-157



MAT 6889

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

69-Tm-157



70

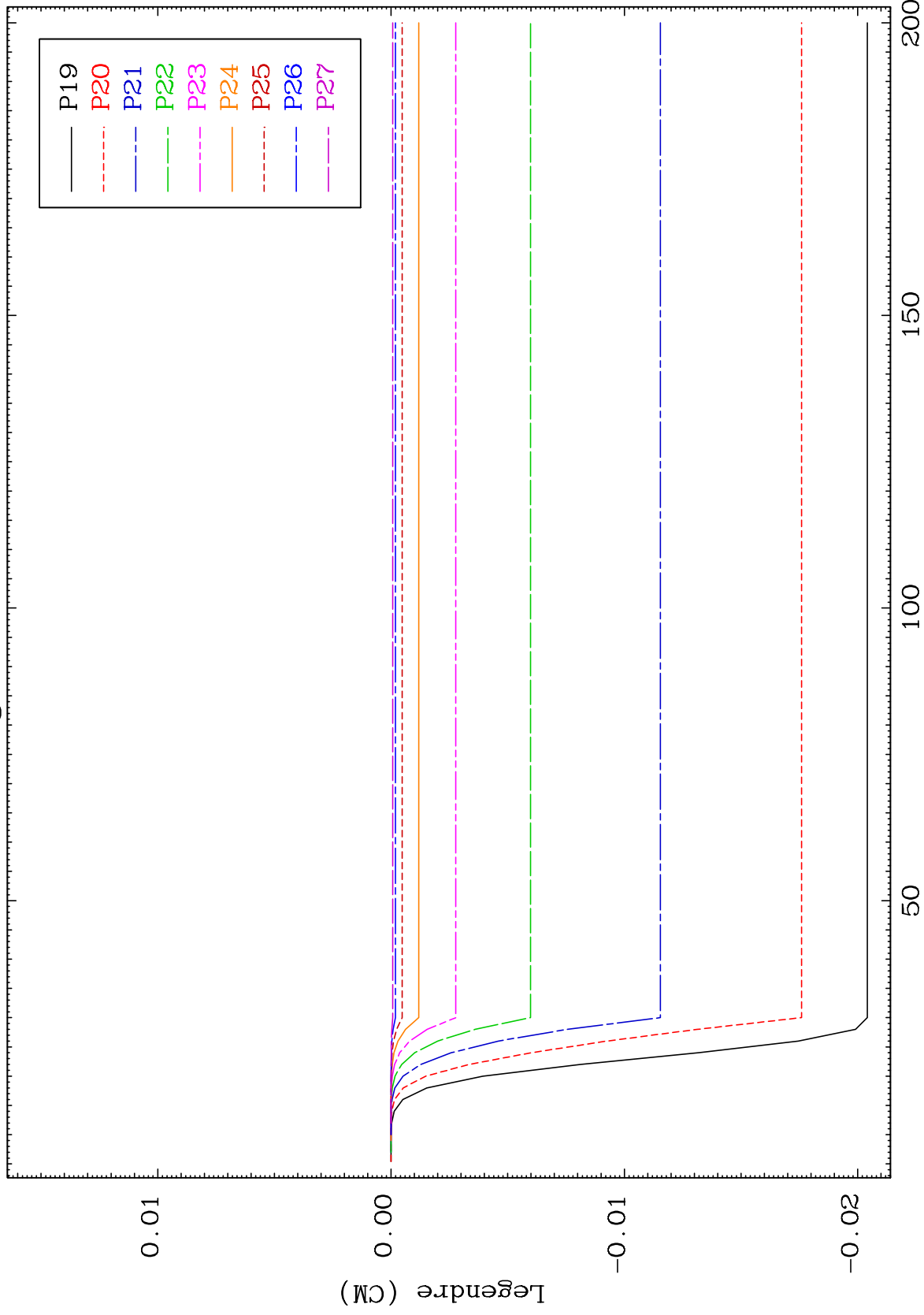
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157

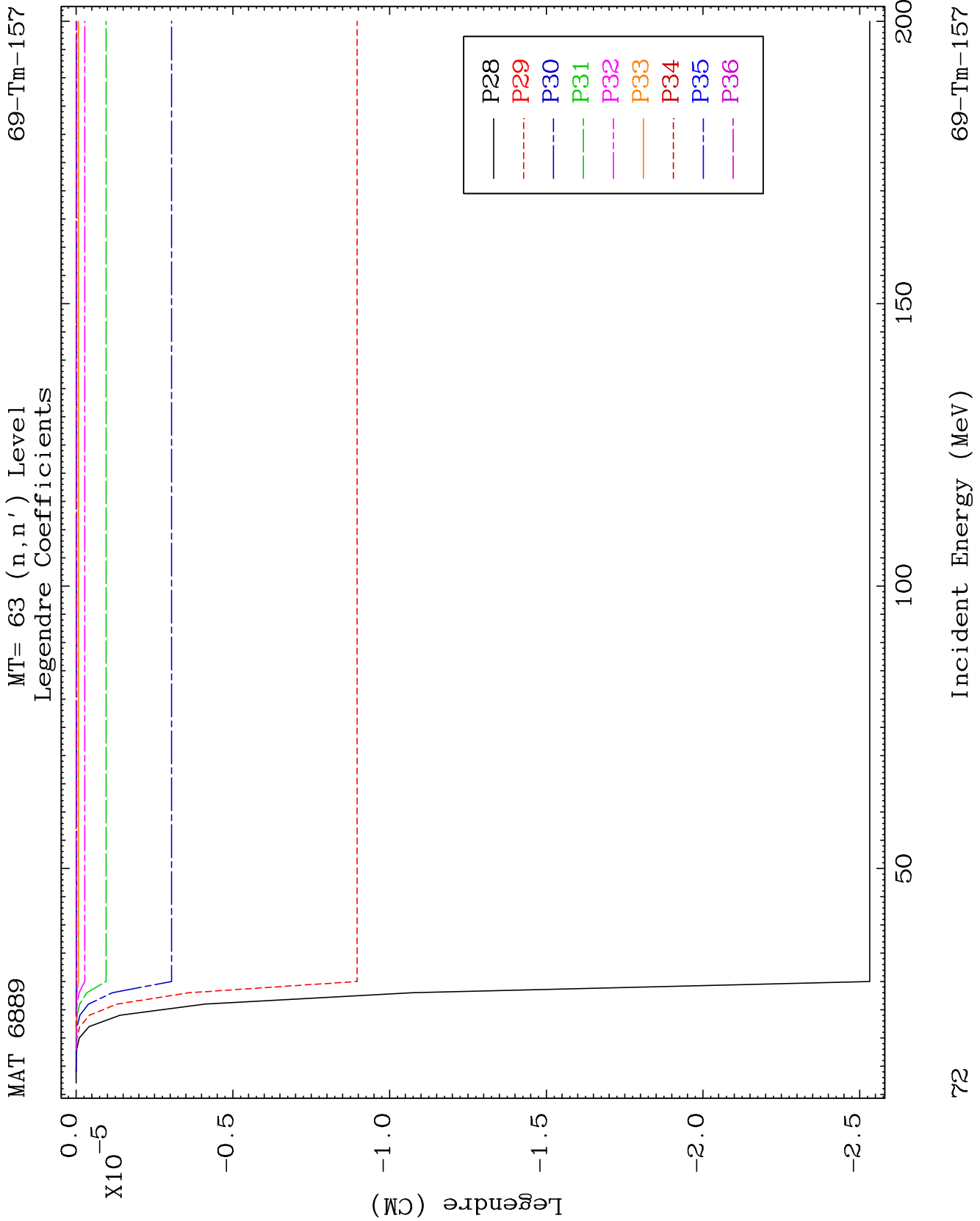


71

Incident Energy (MeV)

69-Tm-157

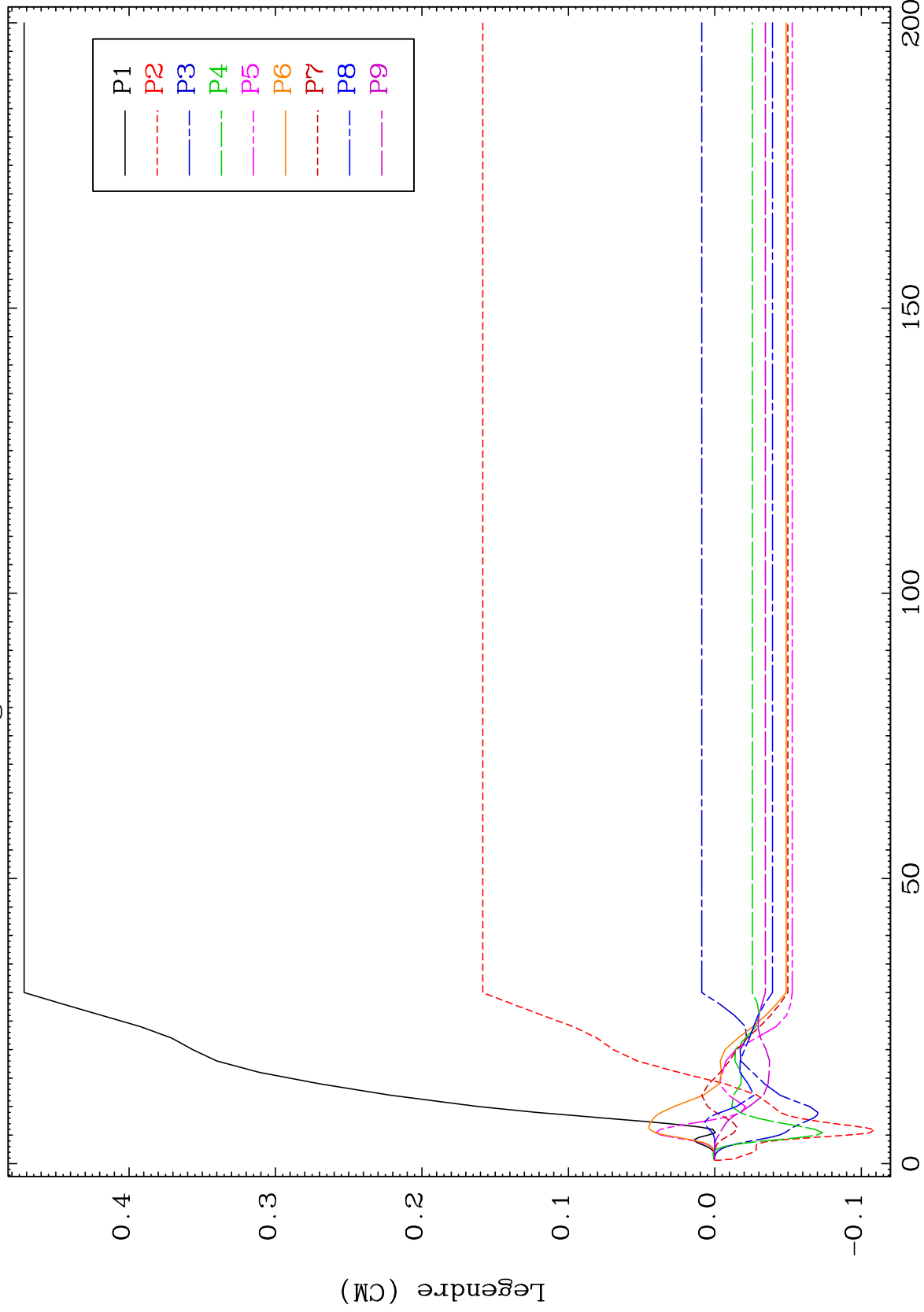




MAT 6889

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

69-Tm-157



73

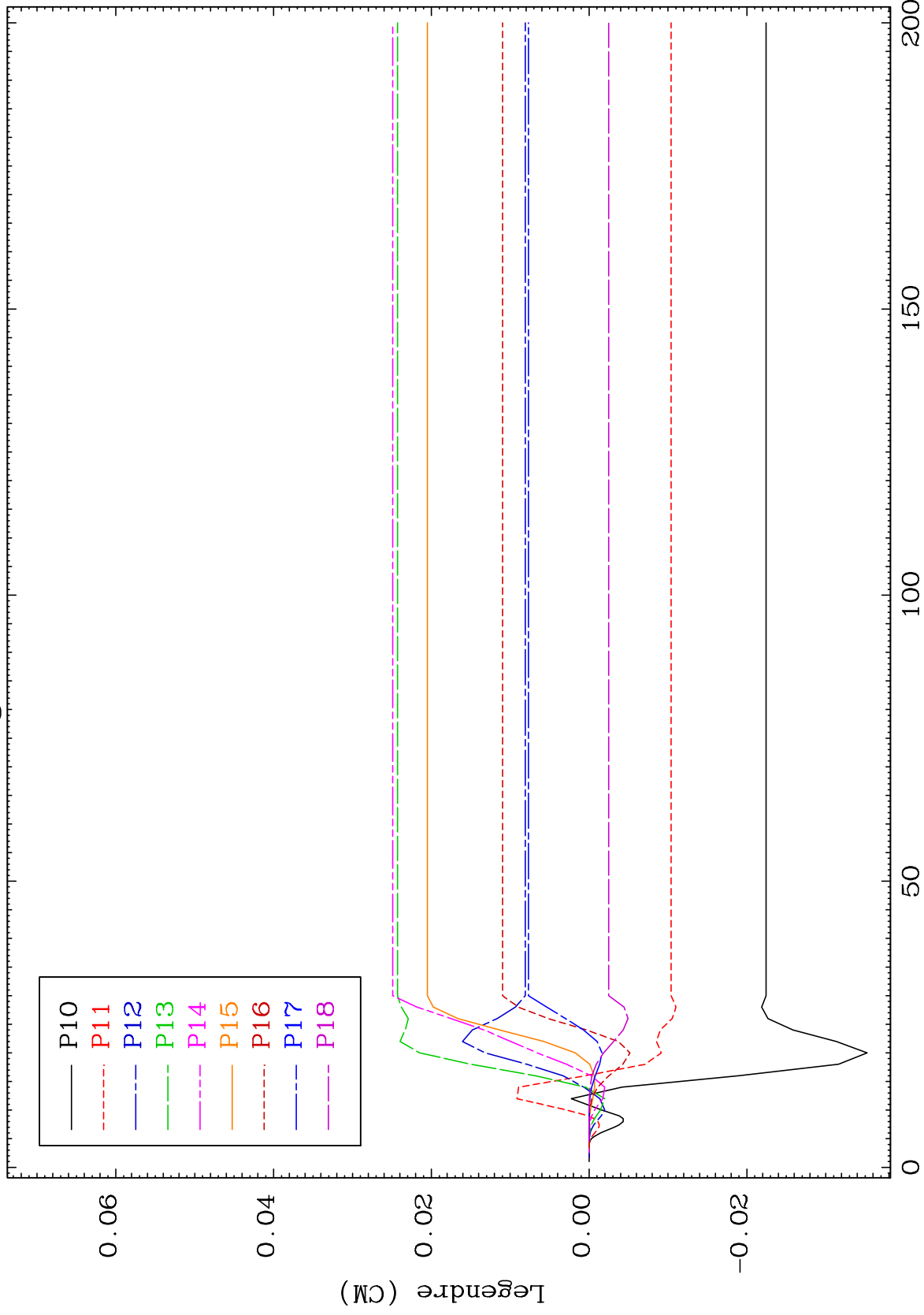
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



74

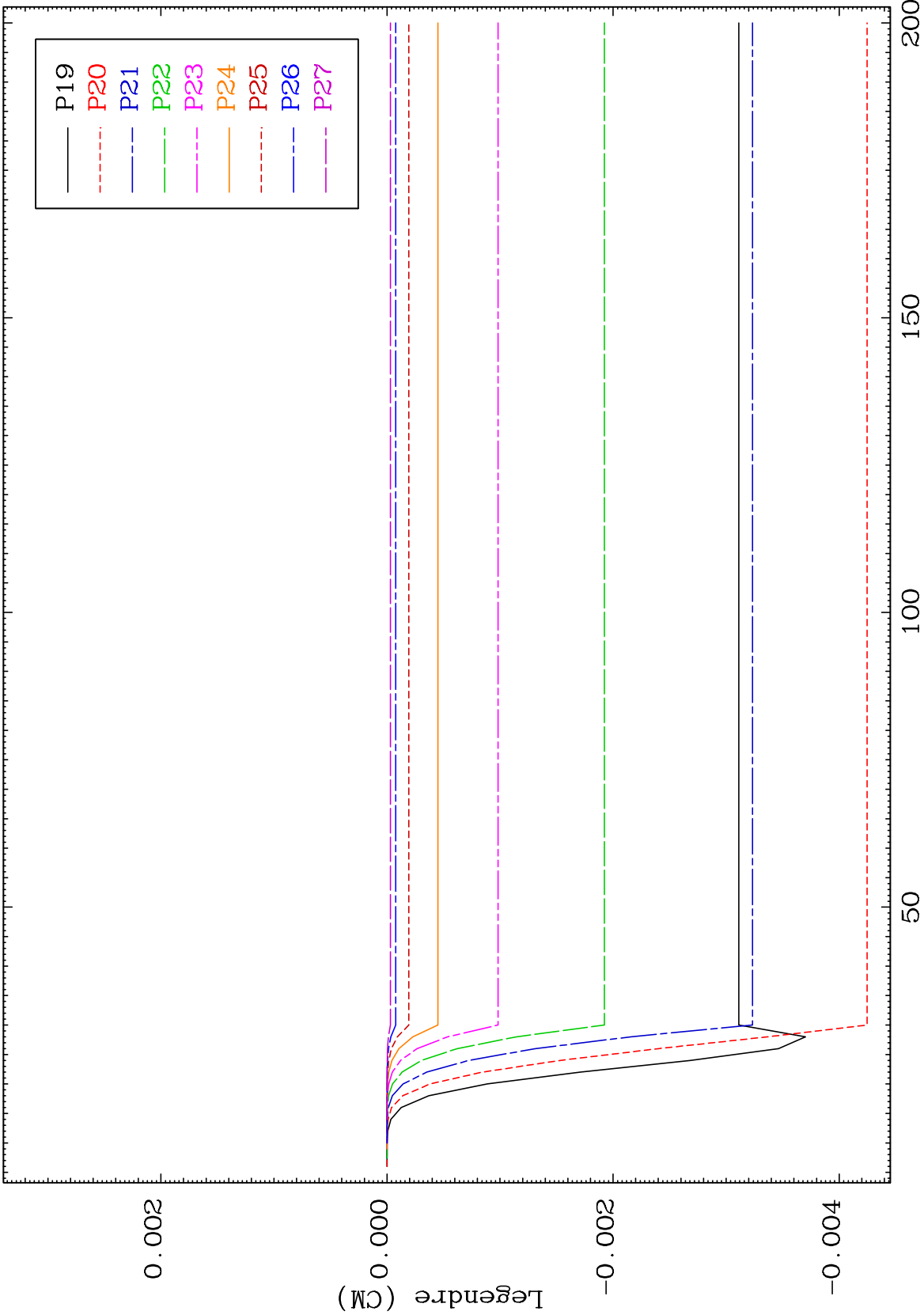
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

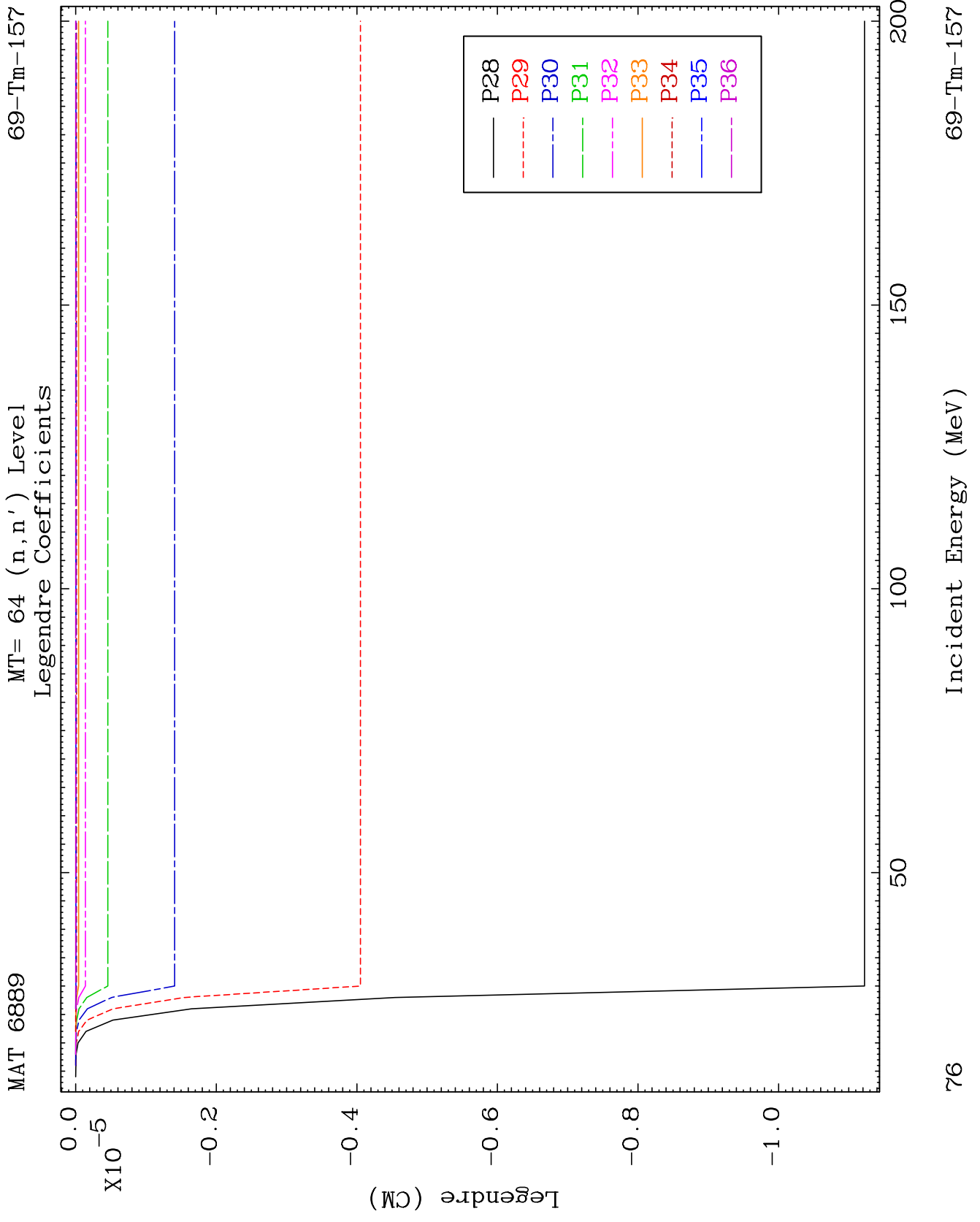
69-Tm-157

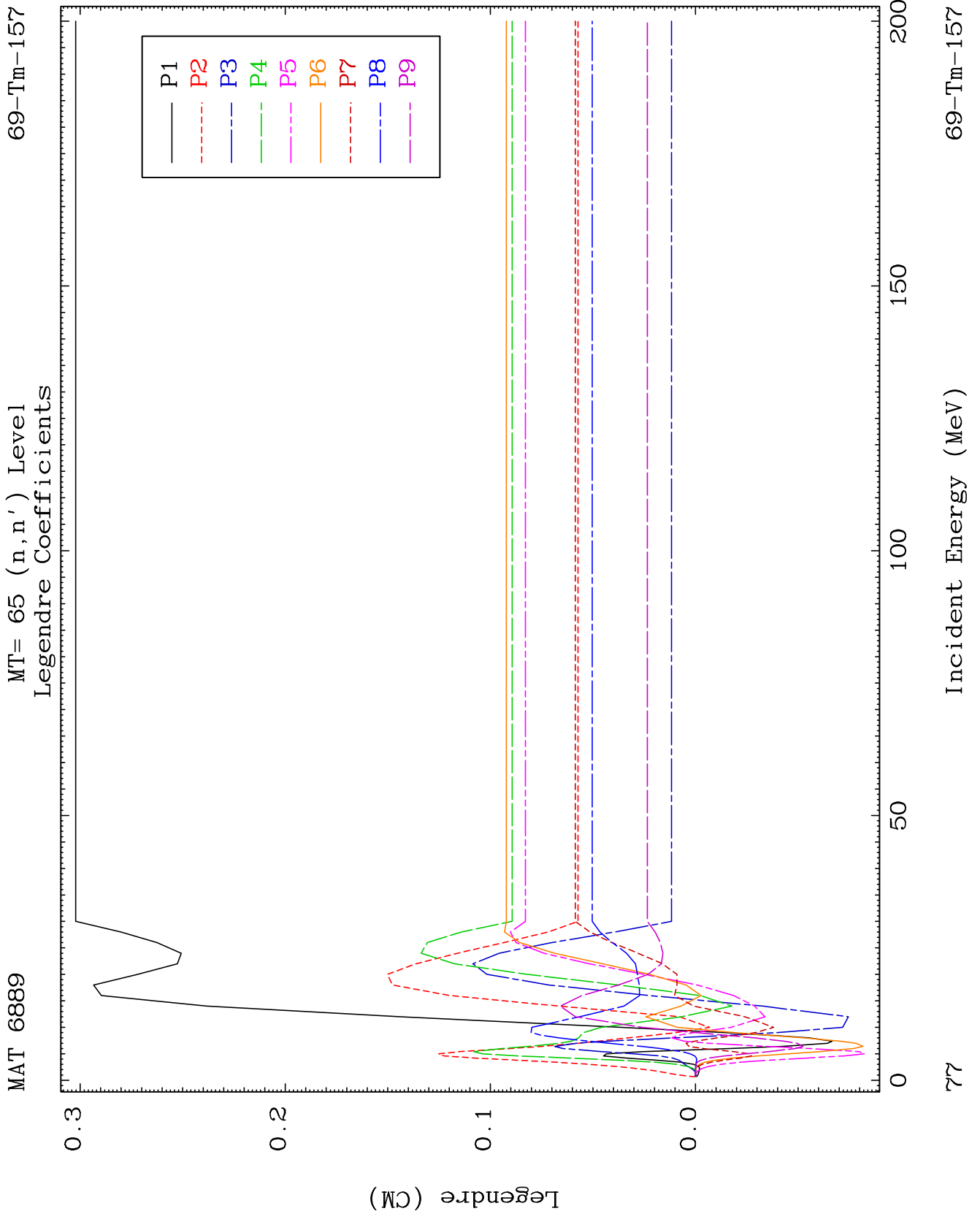


75

Incident Energy (MeV)

69-Tm-157

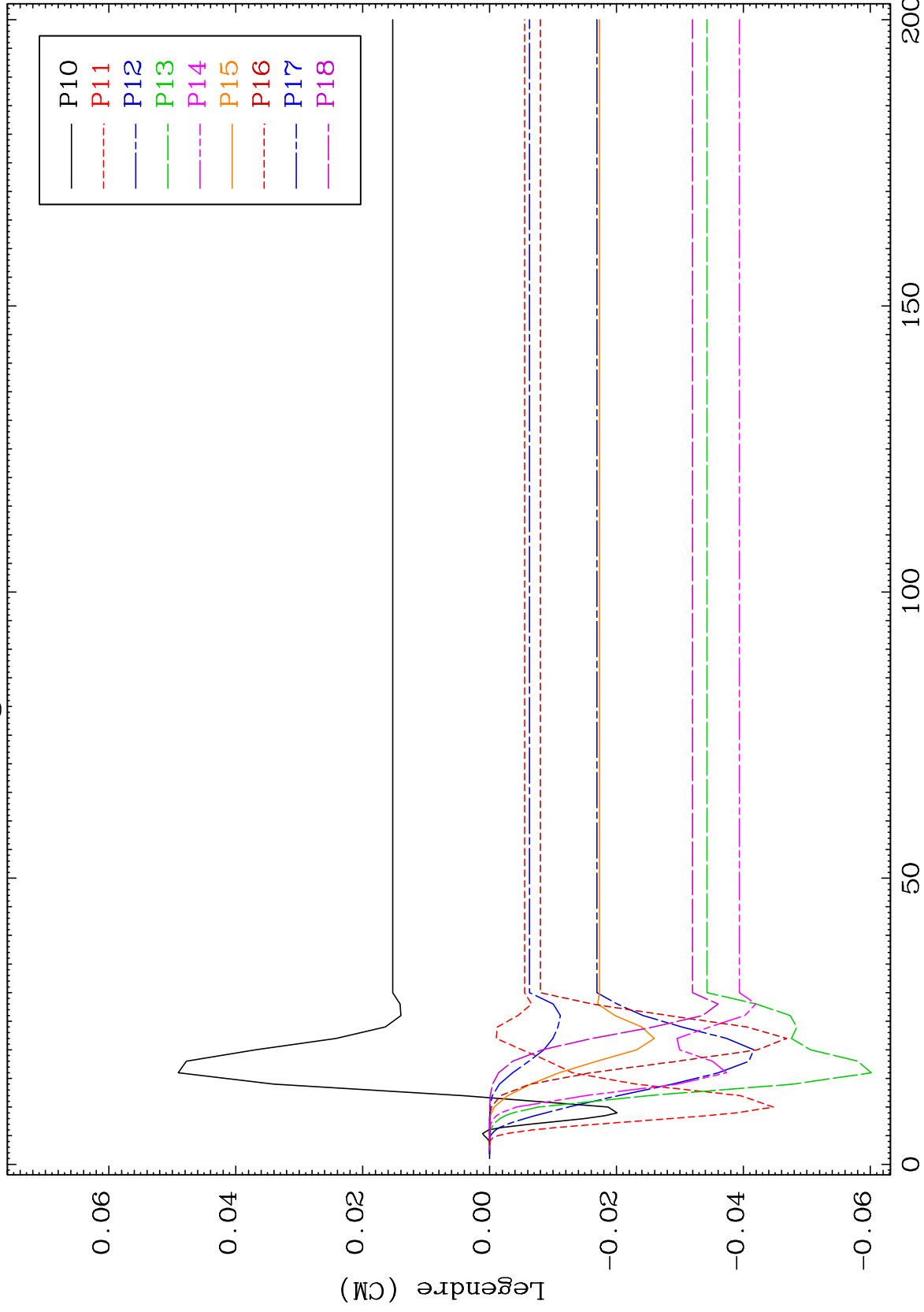




MAT 6889

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

69-Tm-157



78

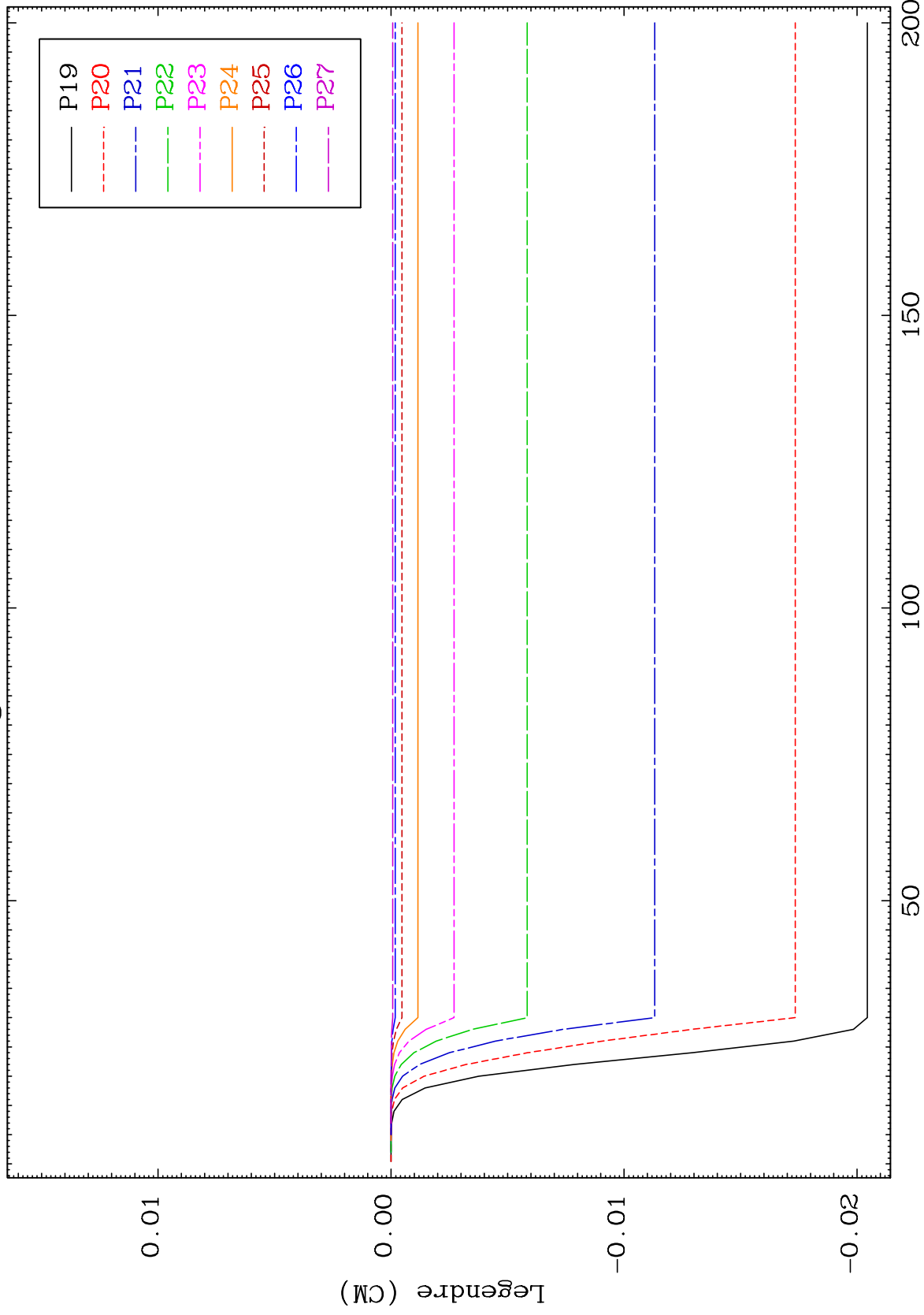
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157

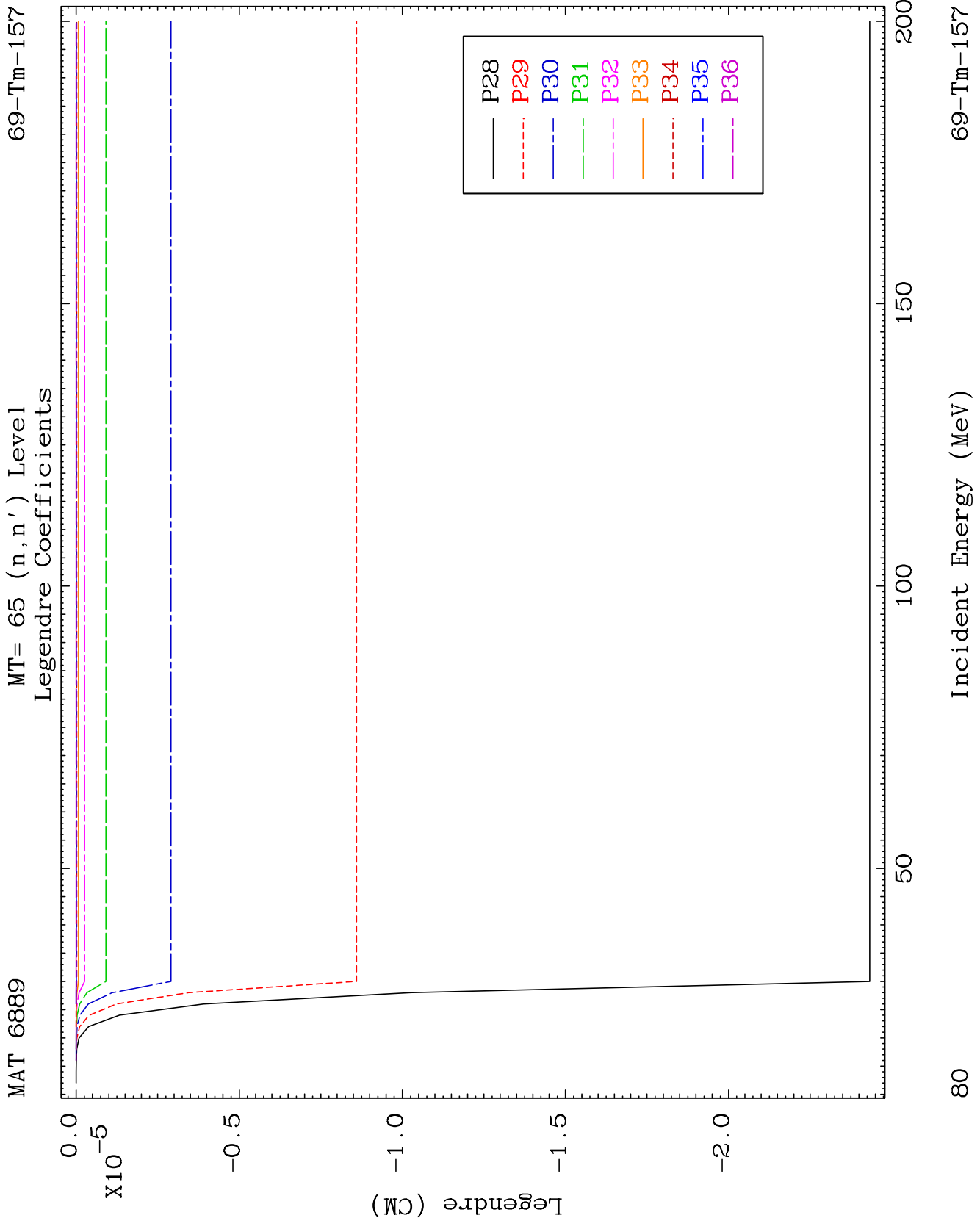


79

Incident Energy (MeV)

69-Tm-157



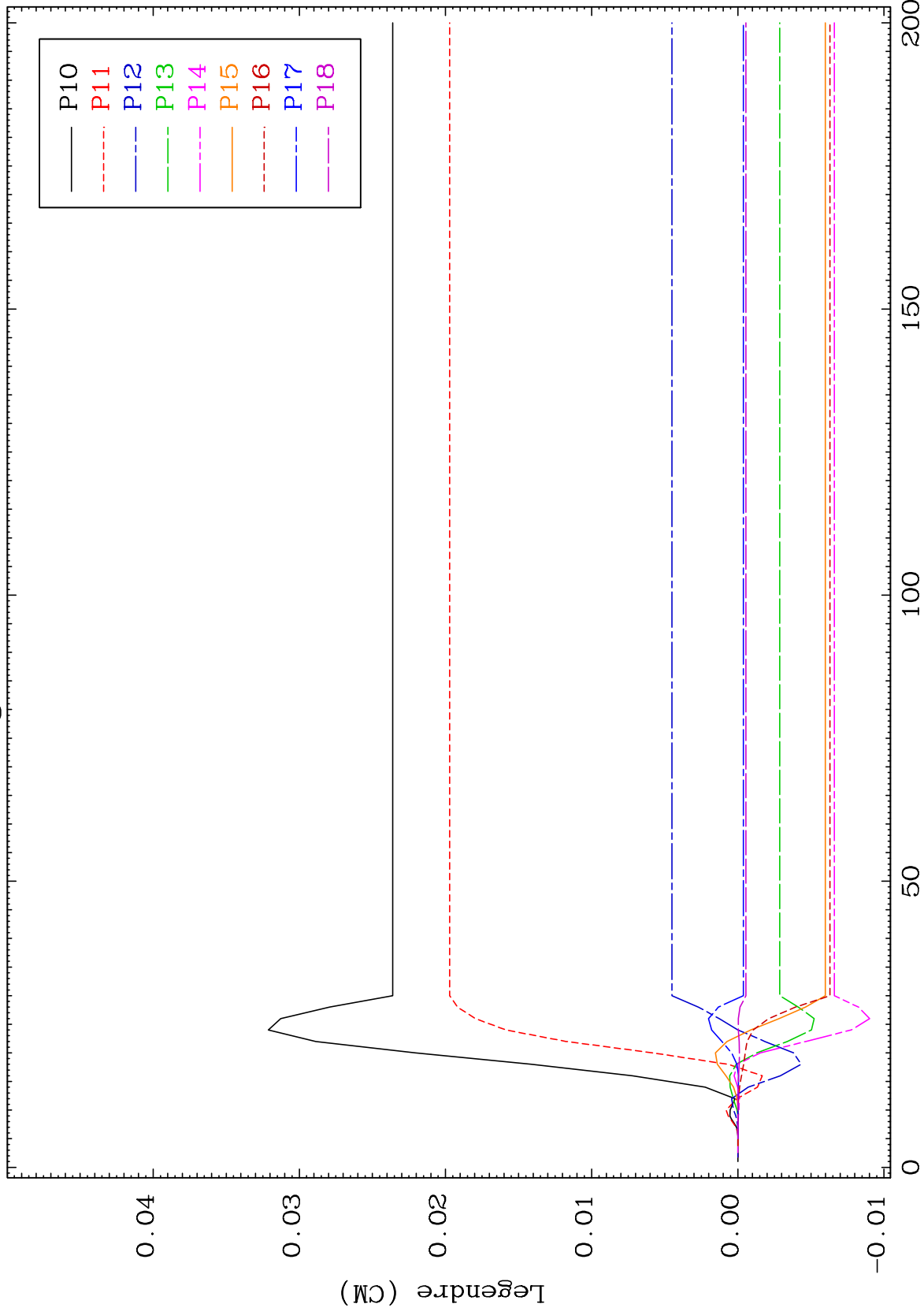




MAT 6889

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

69-Tm-157



82

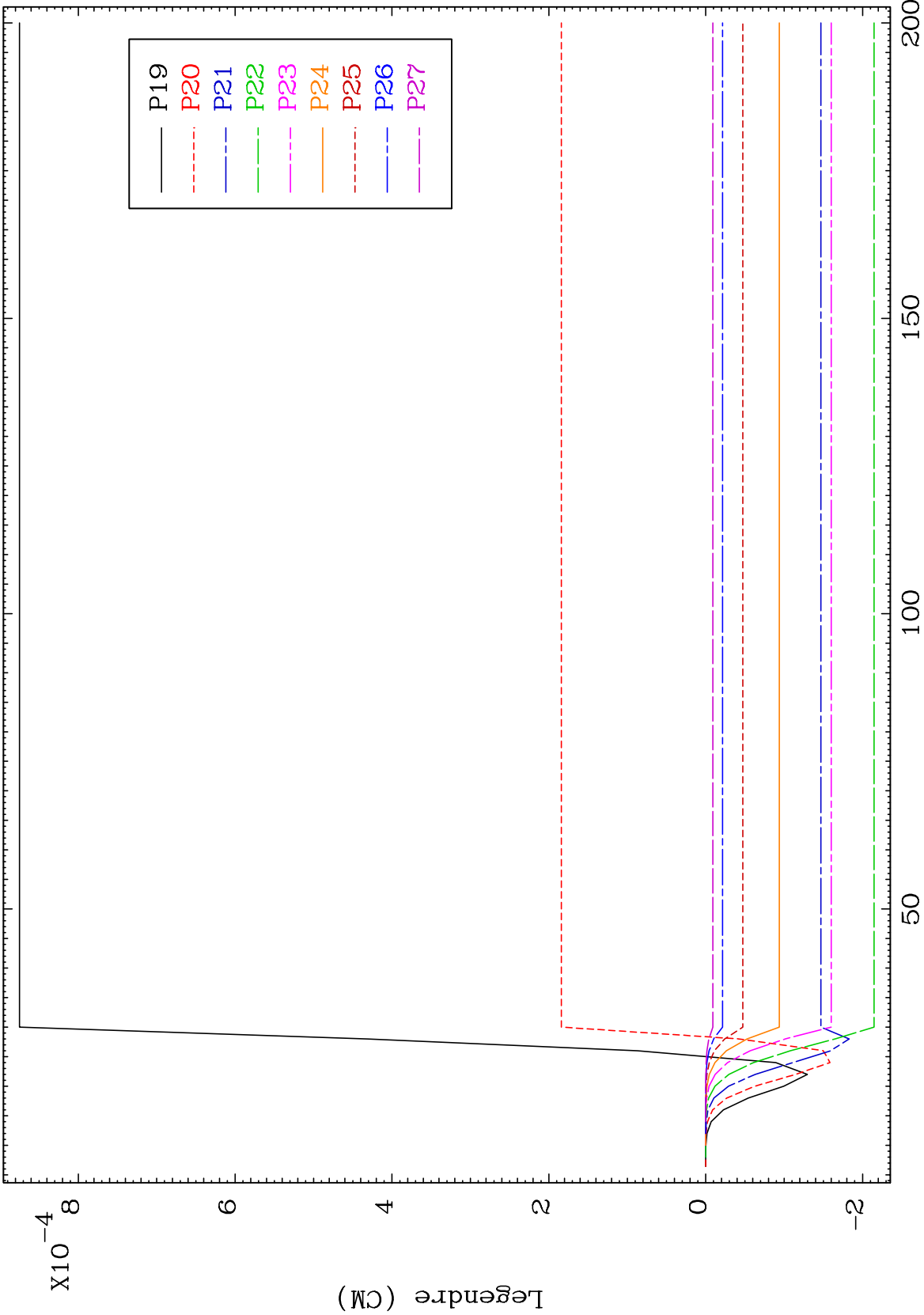
Incident Energy (MeV)

69-Tm-157

MAT 6889

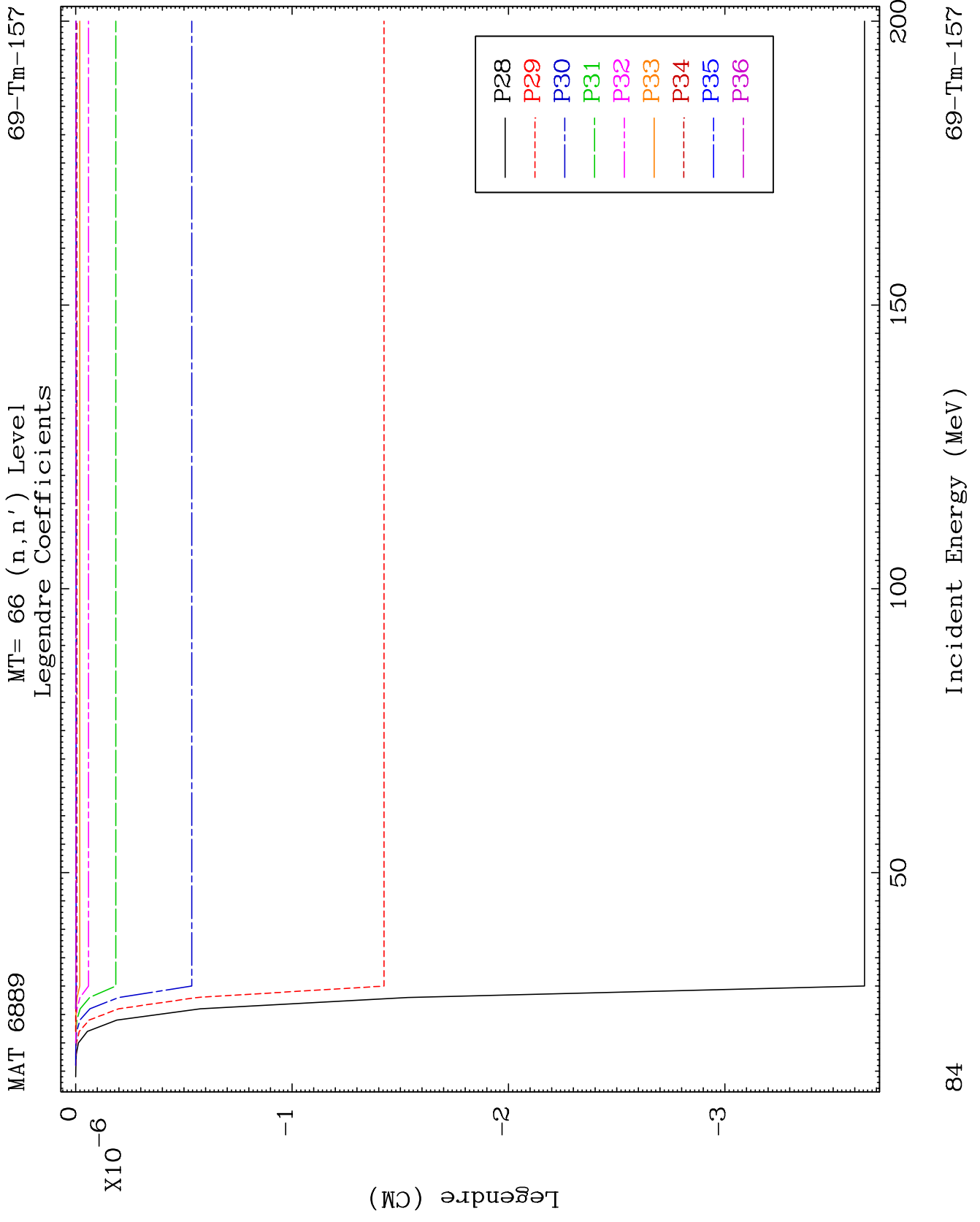
MT= 66 (n,n') Level  
Legendre Coefficients

69-Tm-157



83

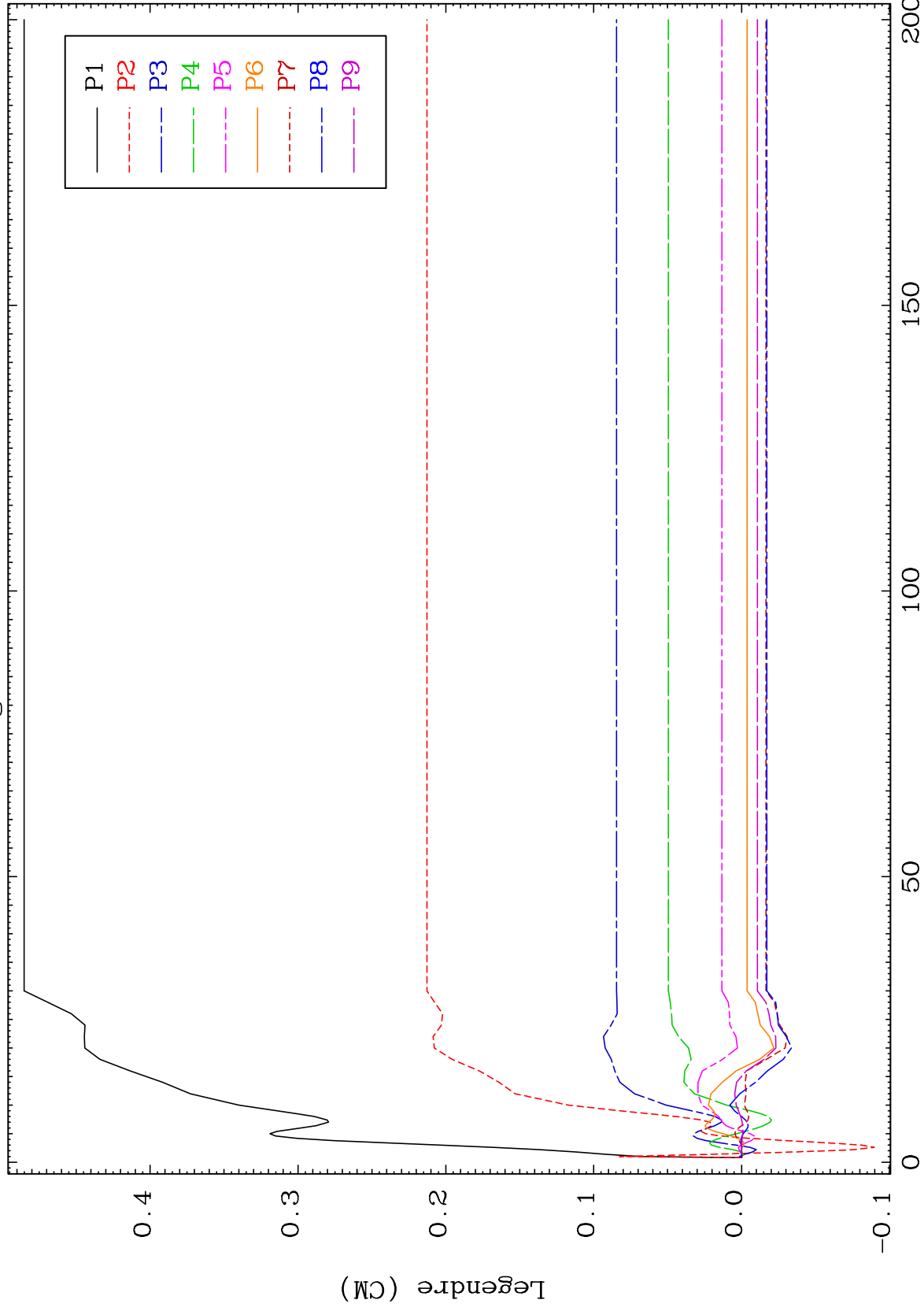
69-Tm-157



MAT 6889

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

69-Tm-157



85

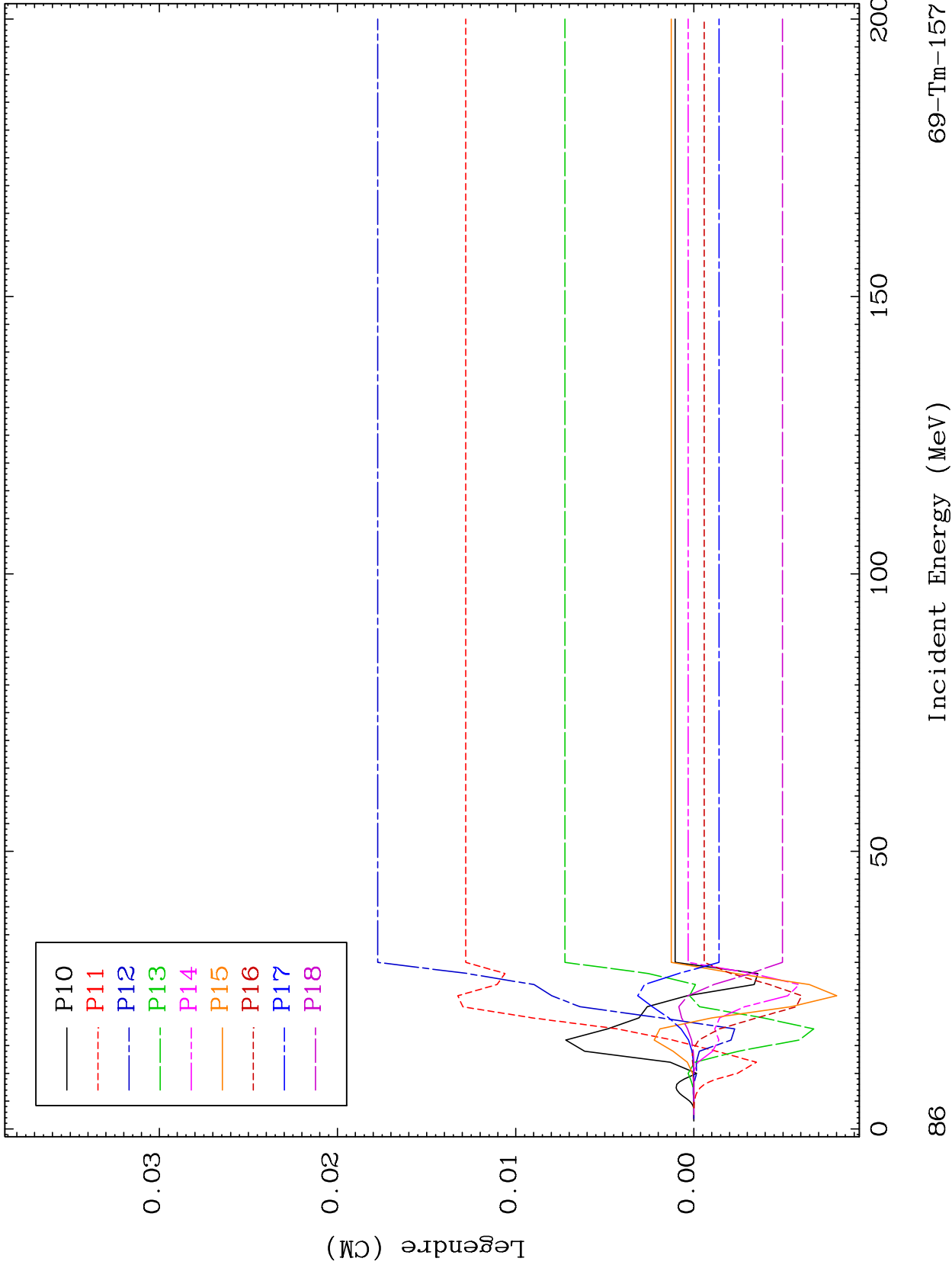
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



86

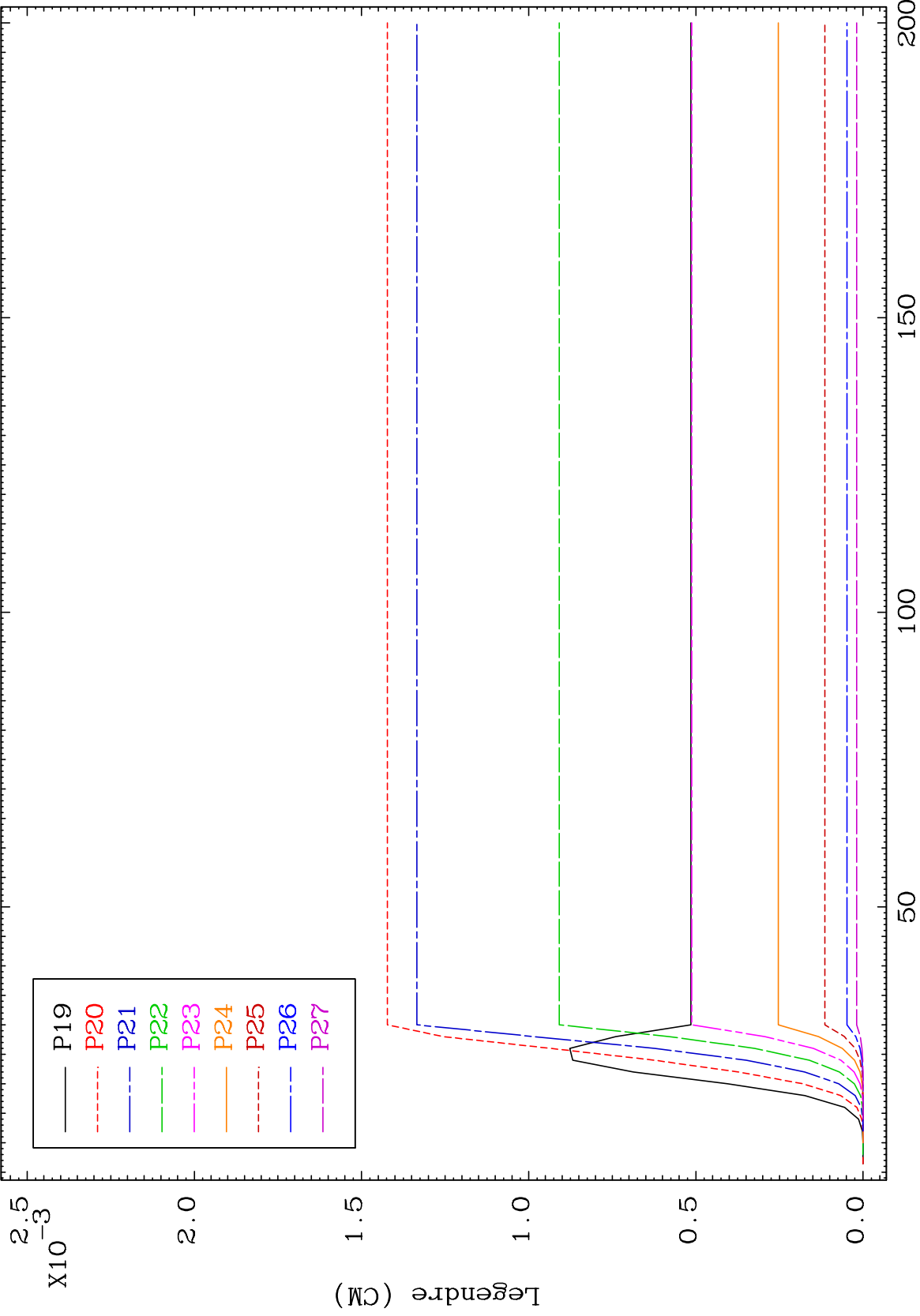
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



87

Incident Energy (MeV)

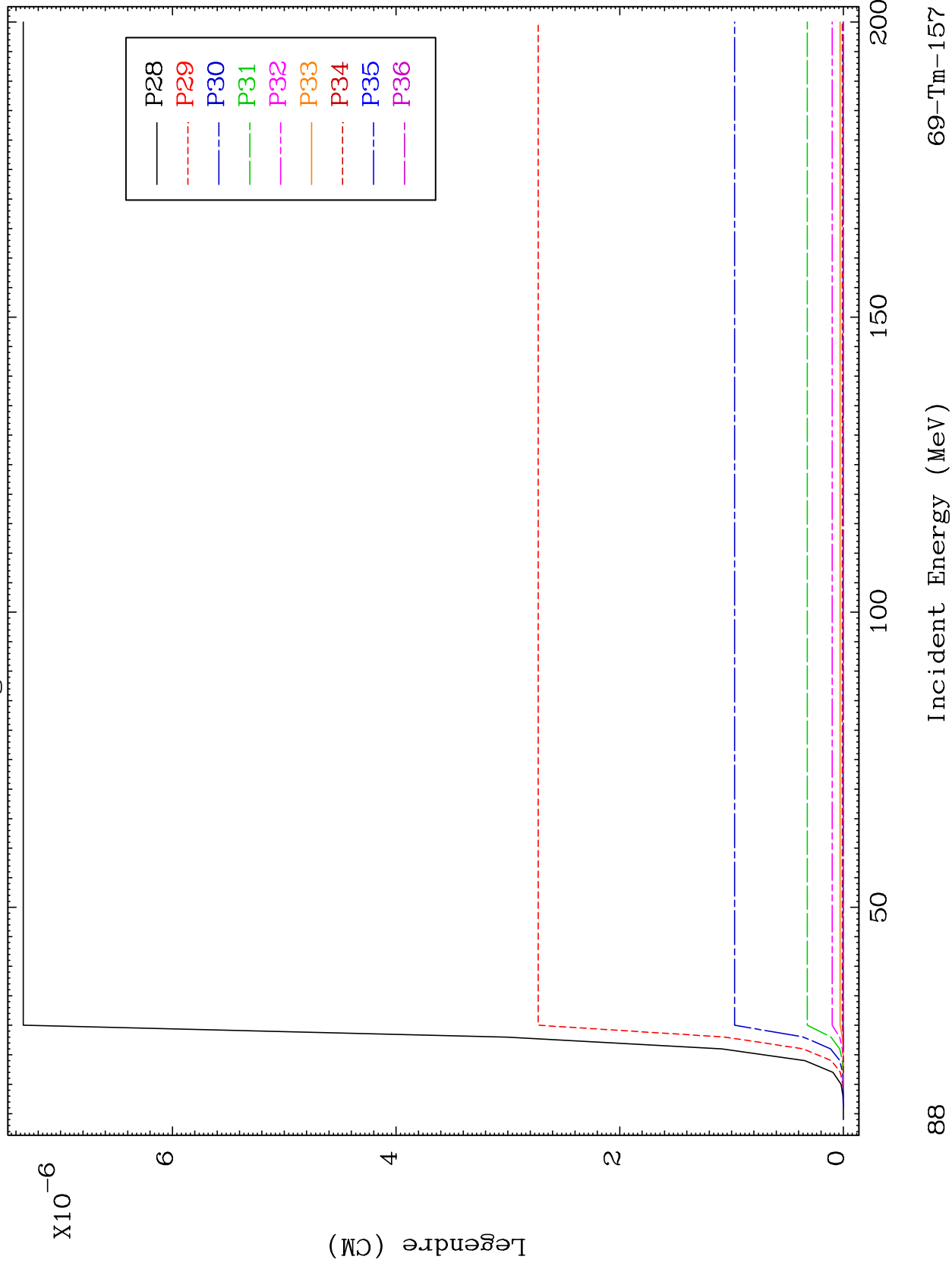
69-Tm-157



MAT 6889

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

69-Tm-157



88

Incident Energy (MeV)

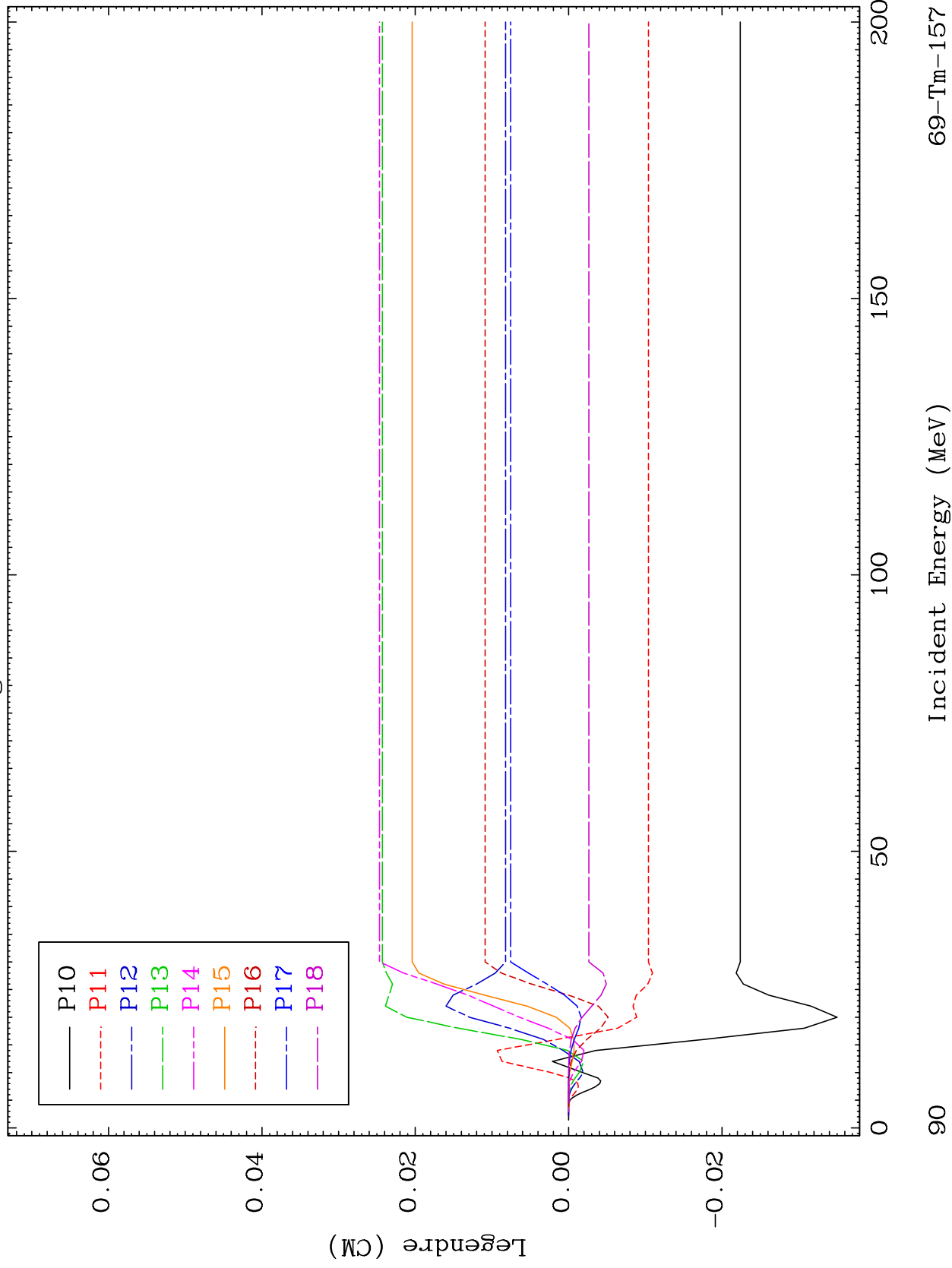
69-Tm-157



MAT 6889

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

69-Tm-157



69-Tm-157

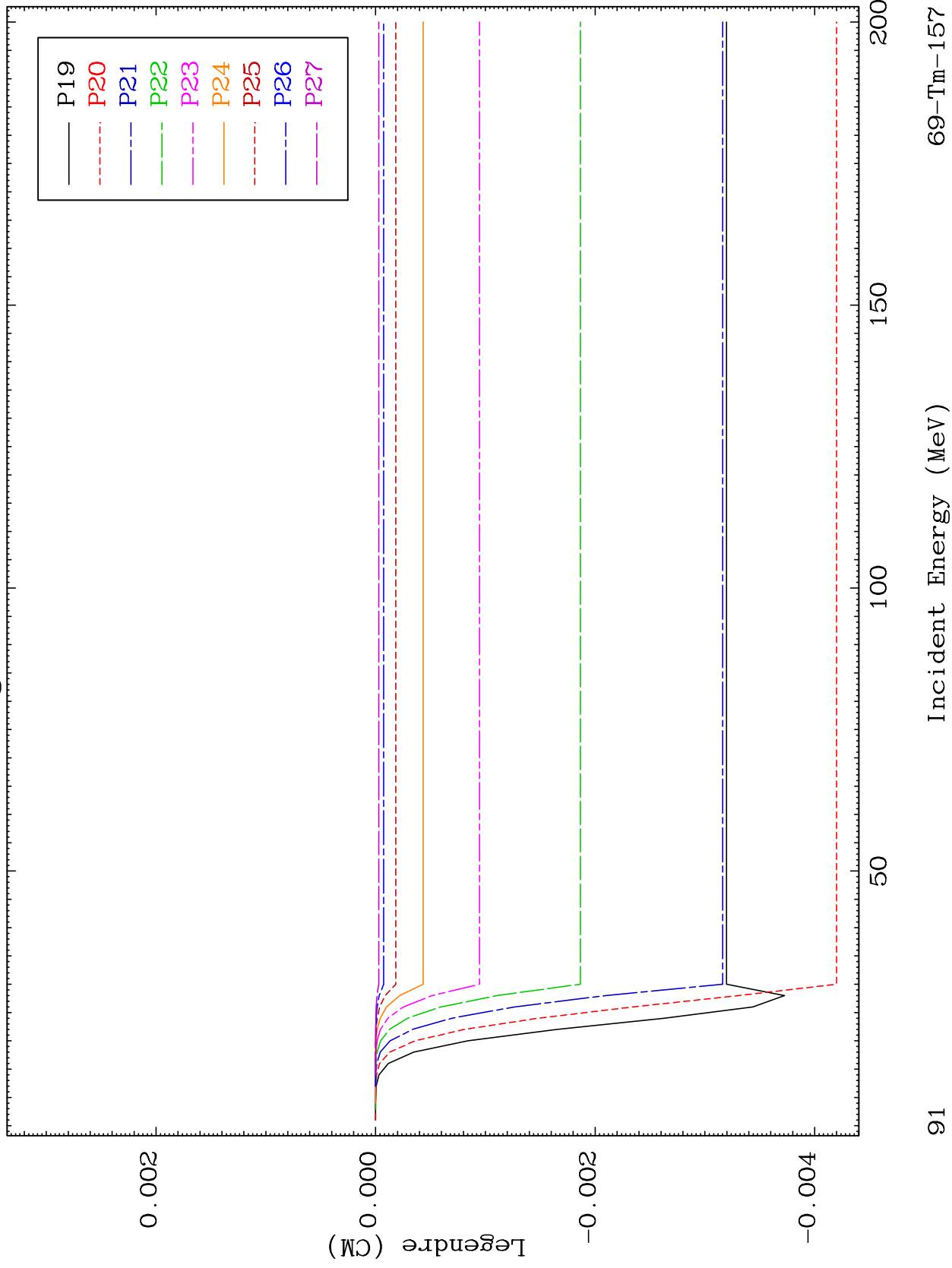
Incident Energy (MeV)

90

MAT 6889

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

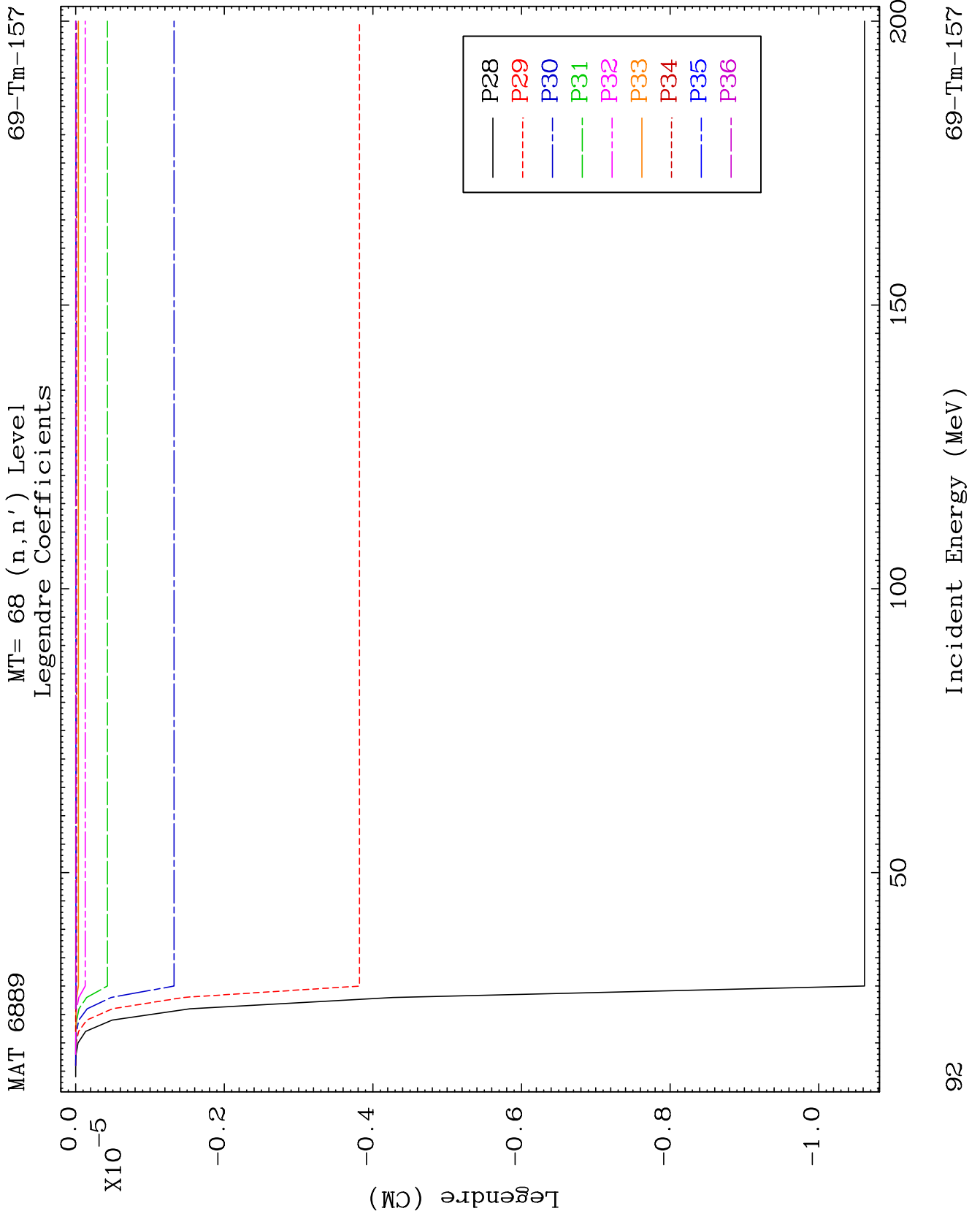
69-Tm-157



91

Incident Energy (MeV)

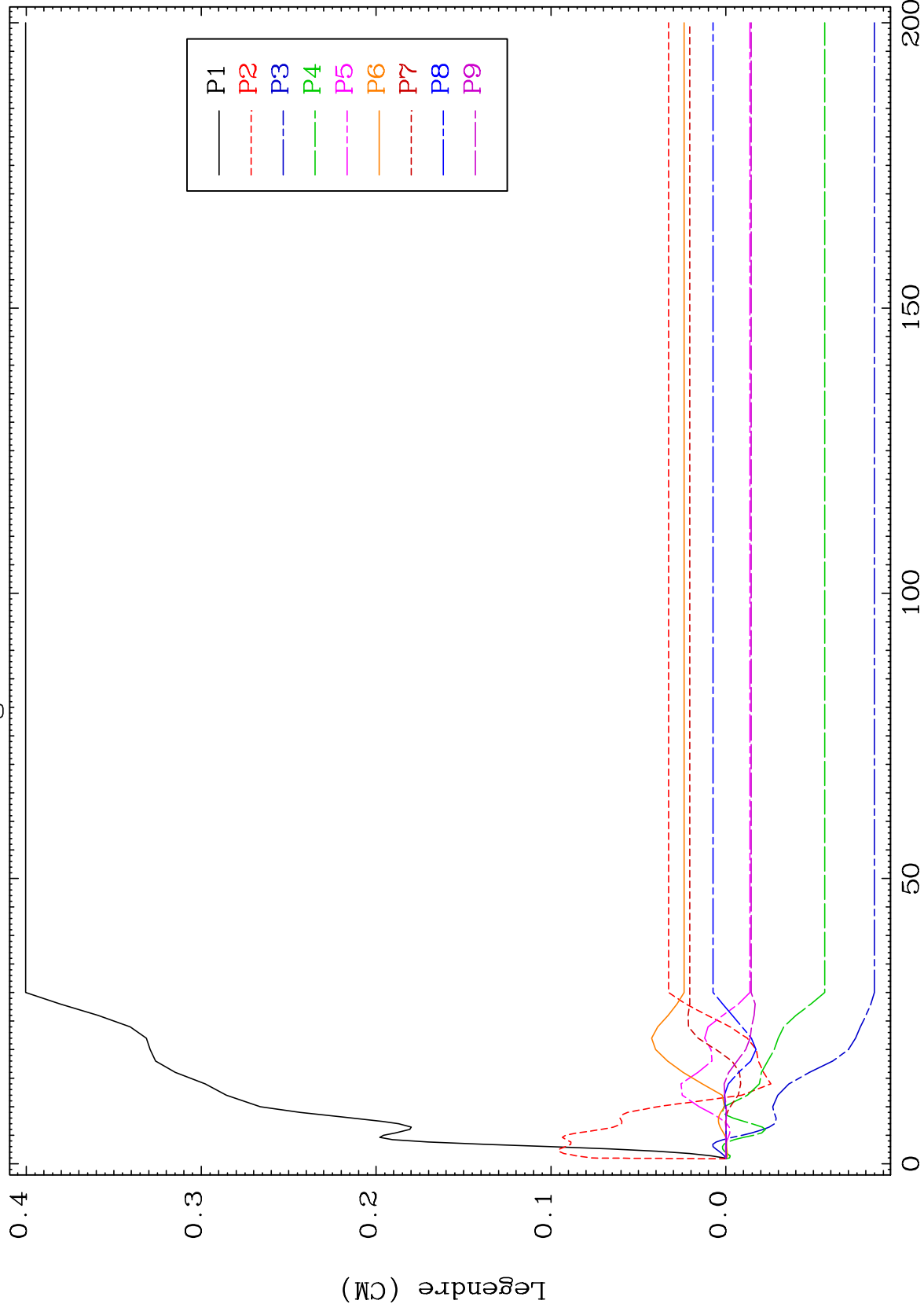
69-Tm-157



MAT 6889

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

69-Tm-157



93

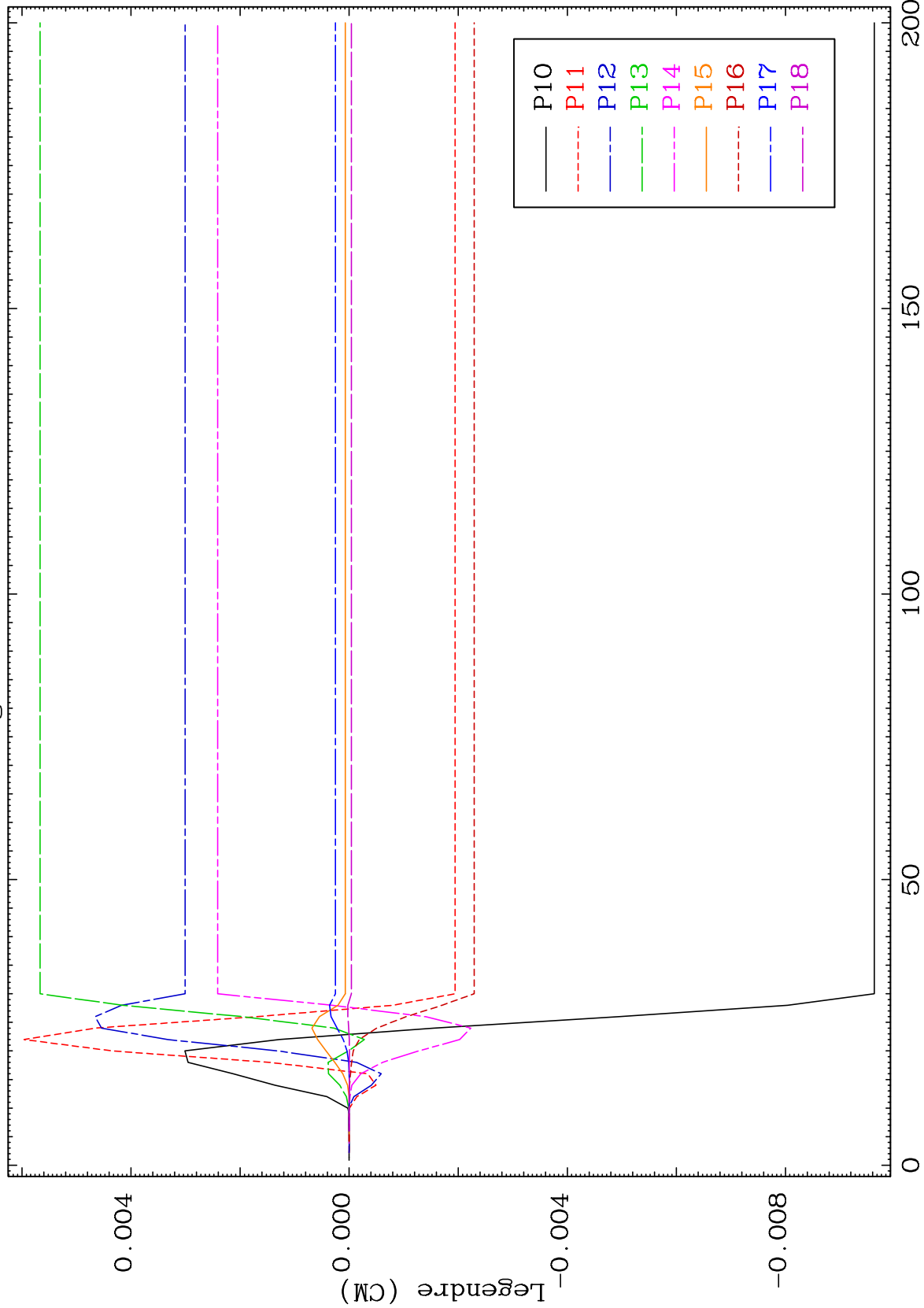
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



94

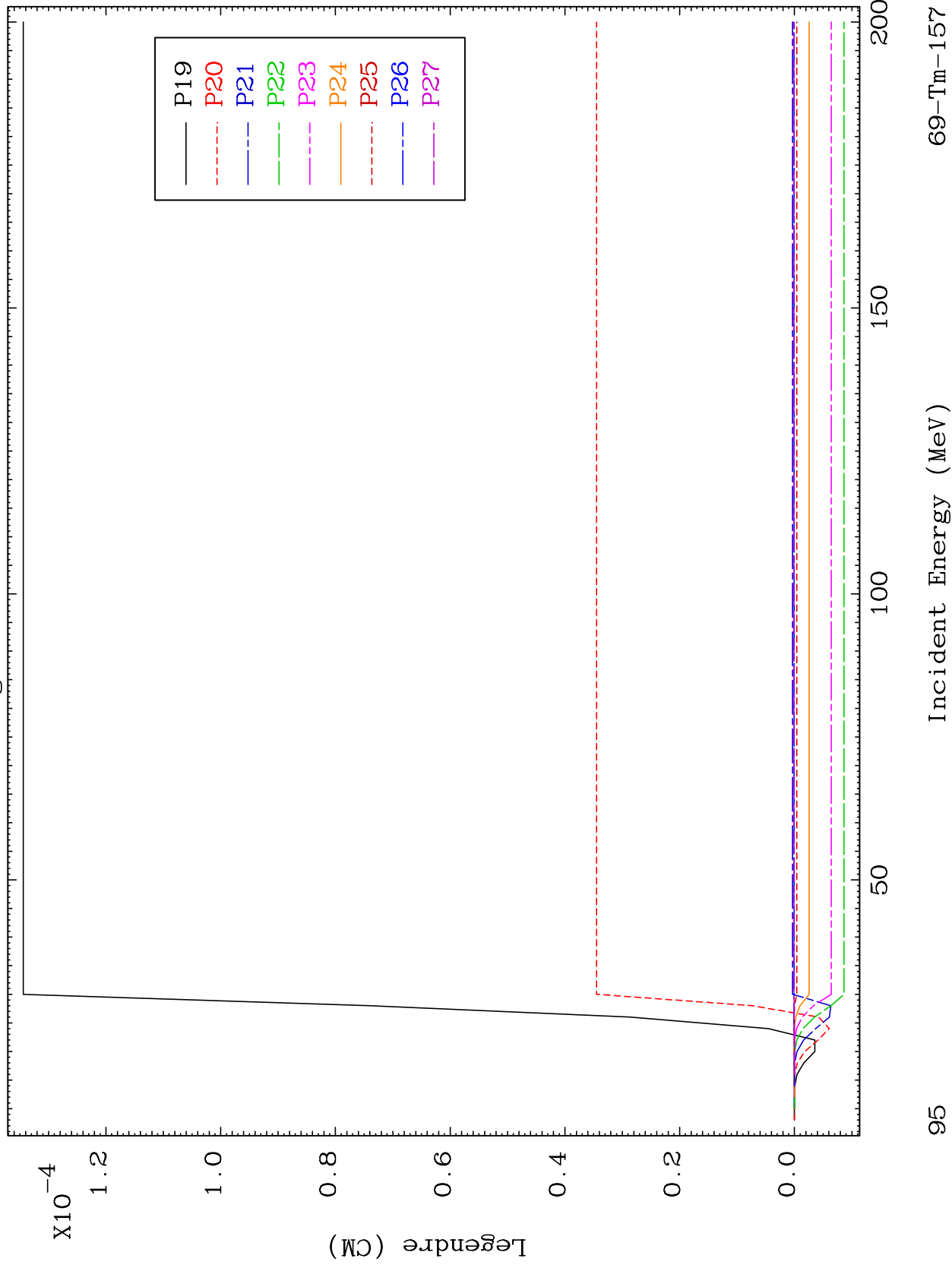
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



95

Incident Energy (MeV)

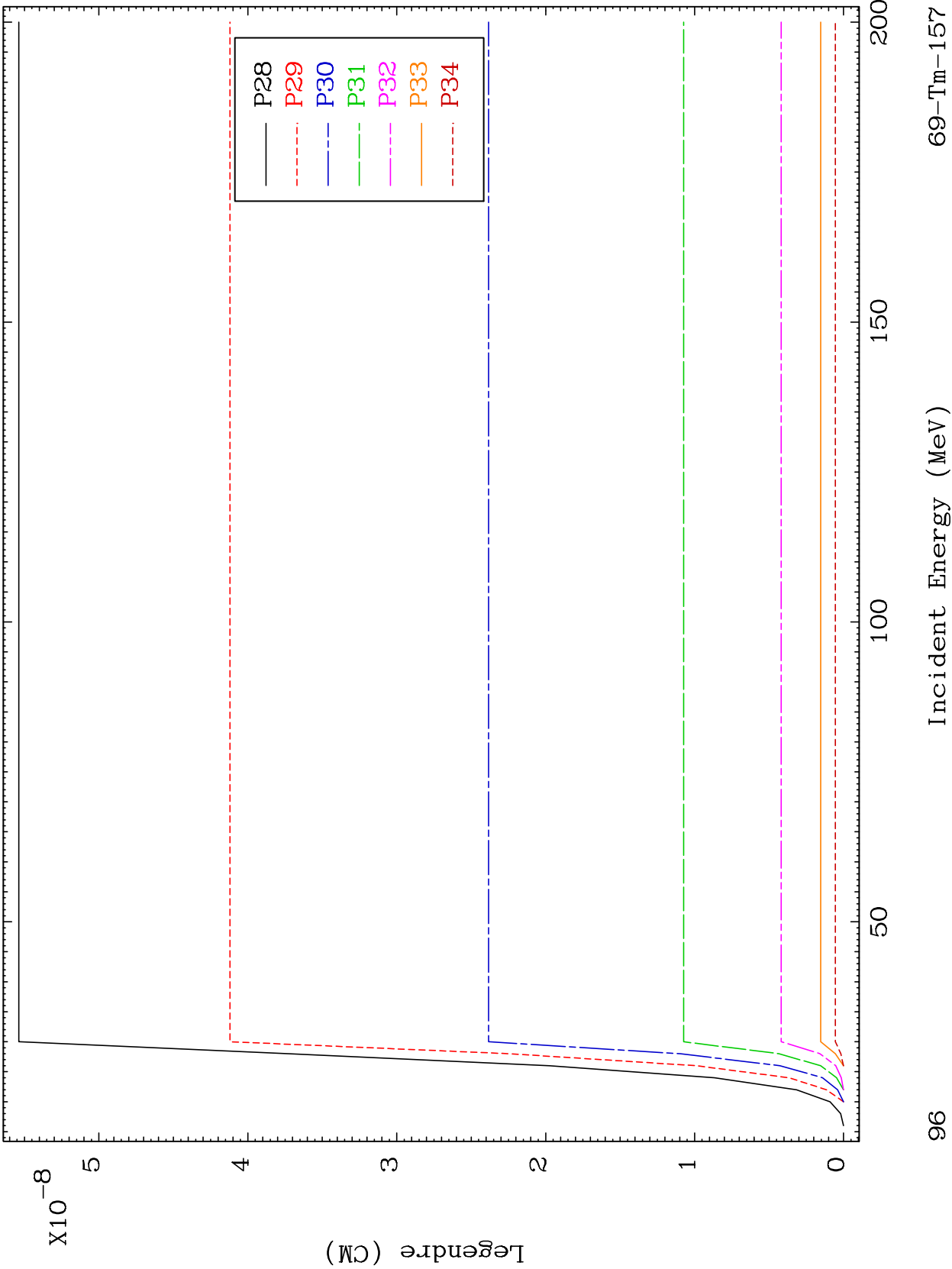
69-Tm-157



MAT 6889

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

69-Tm-157



96

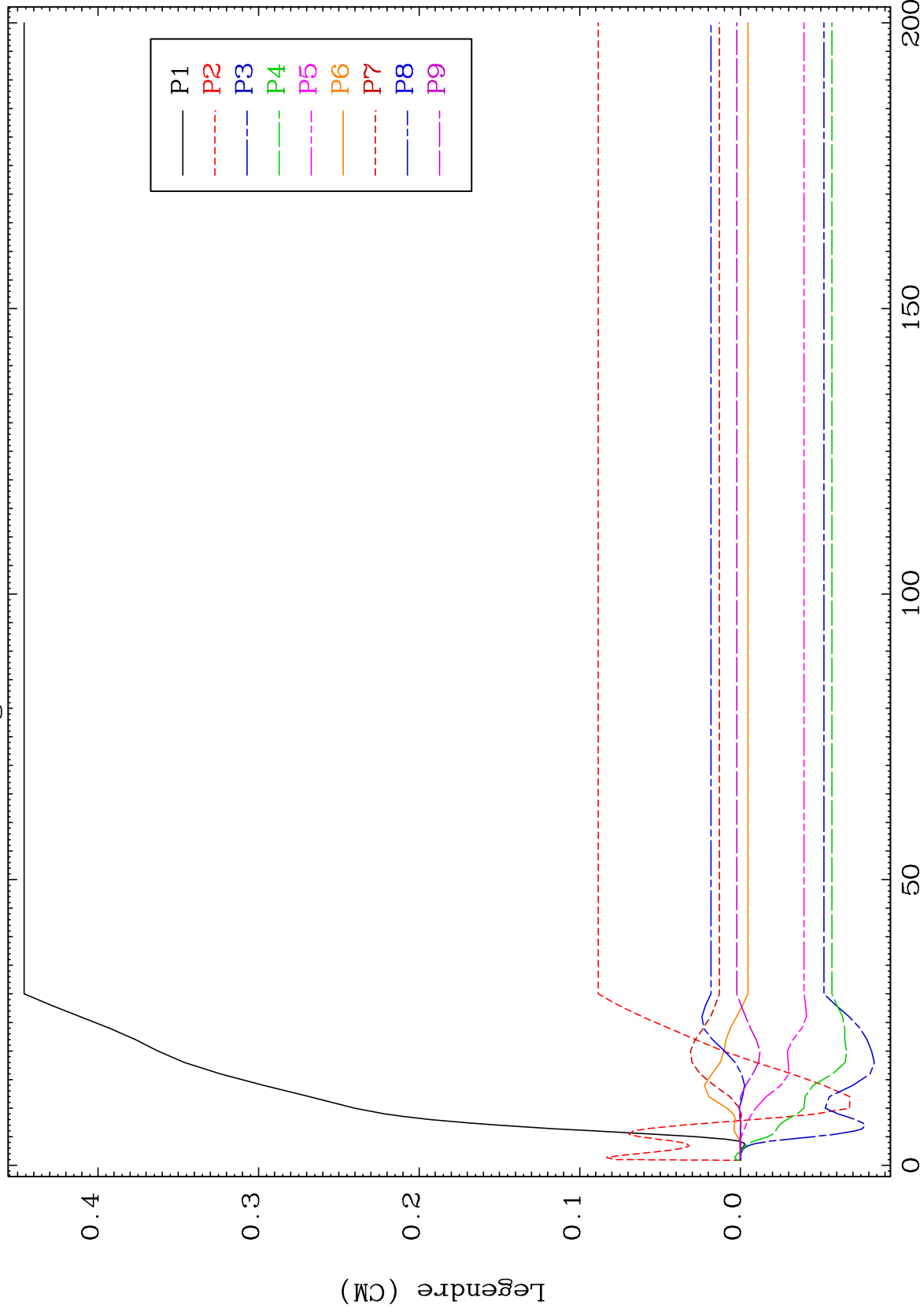
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



97

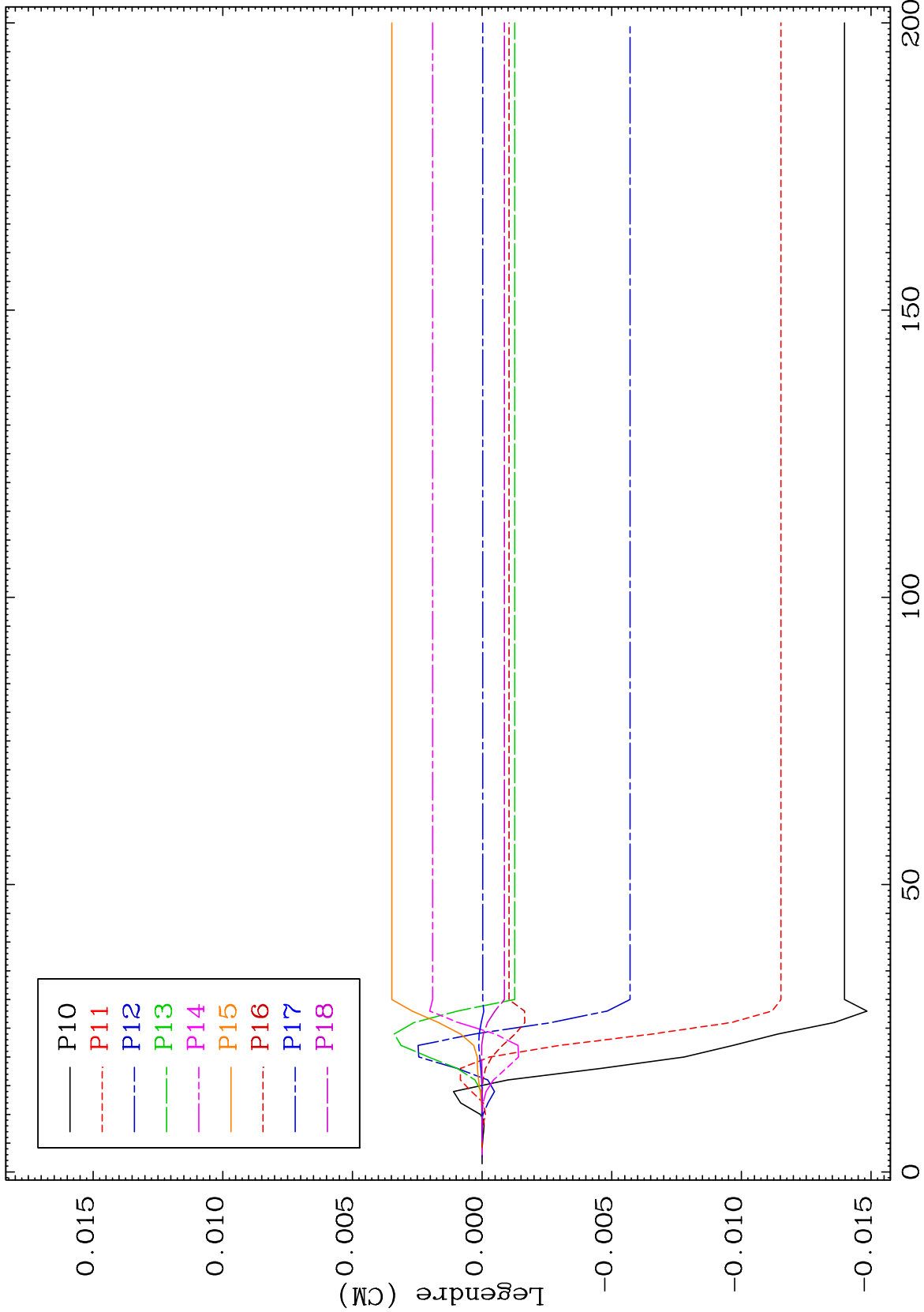
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

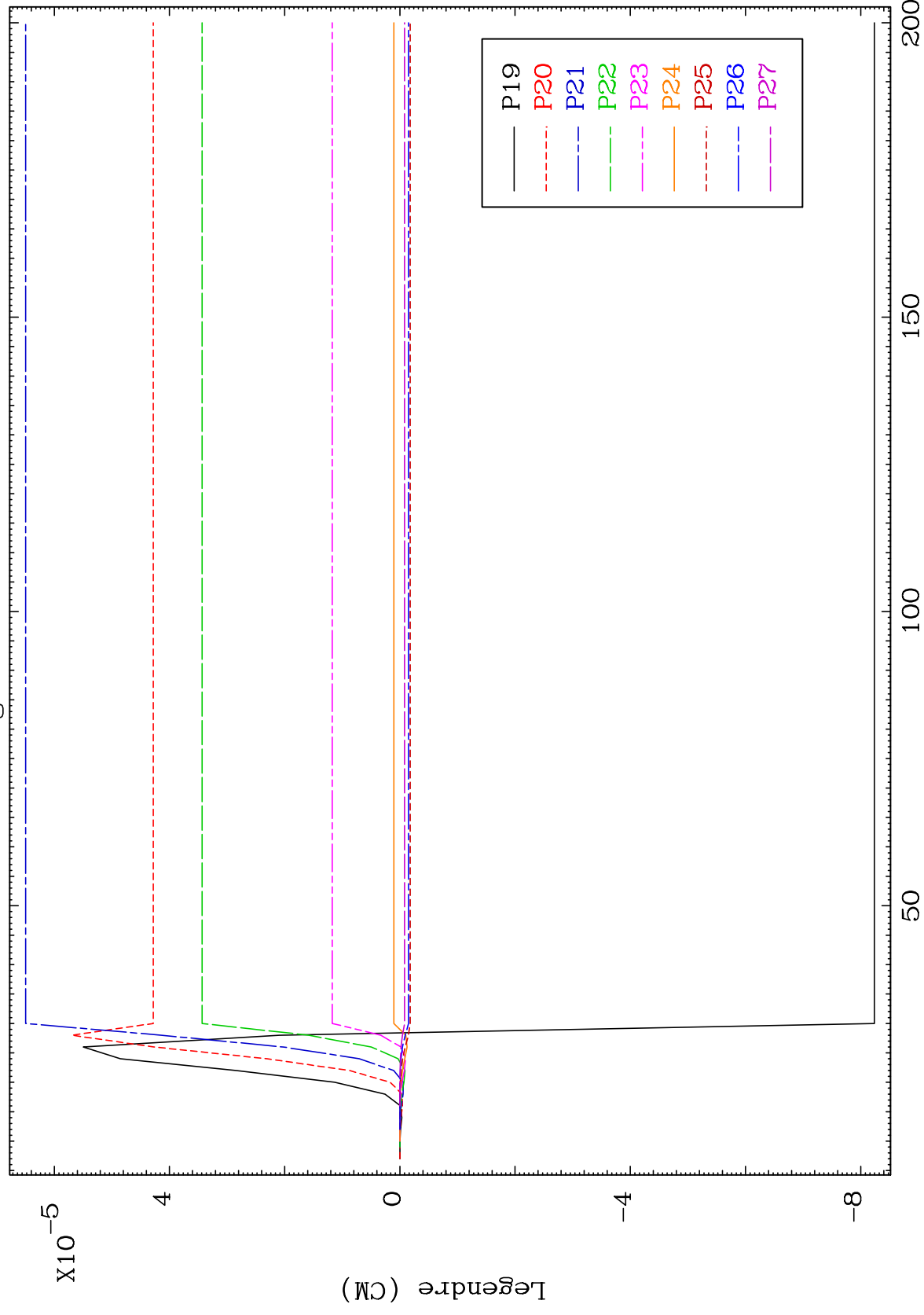
69-Tm-157



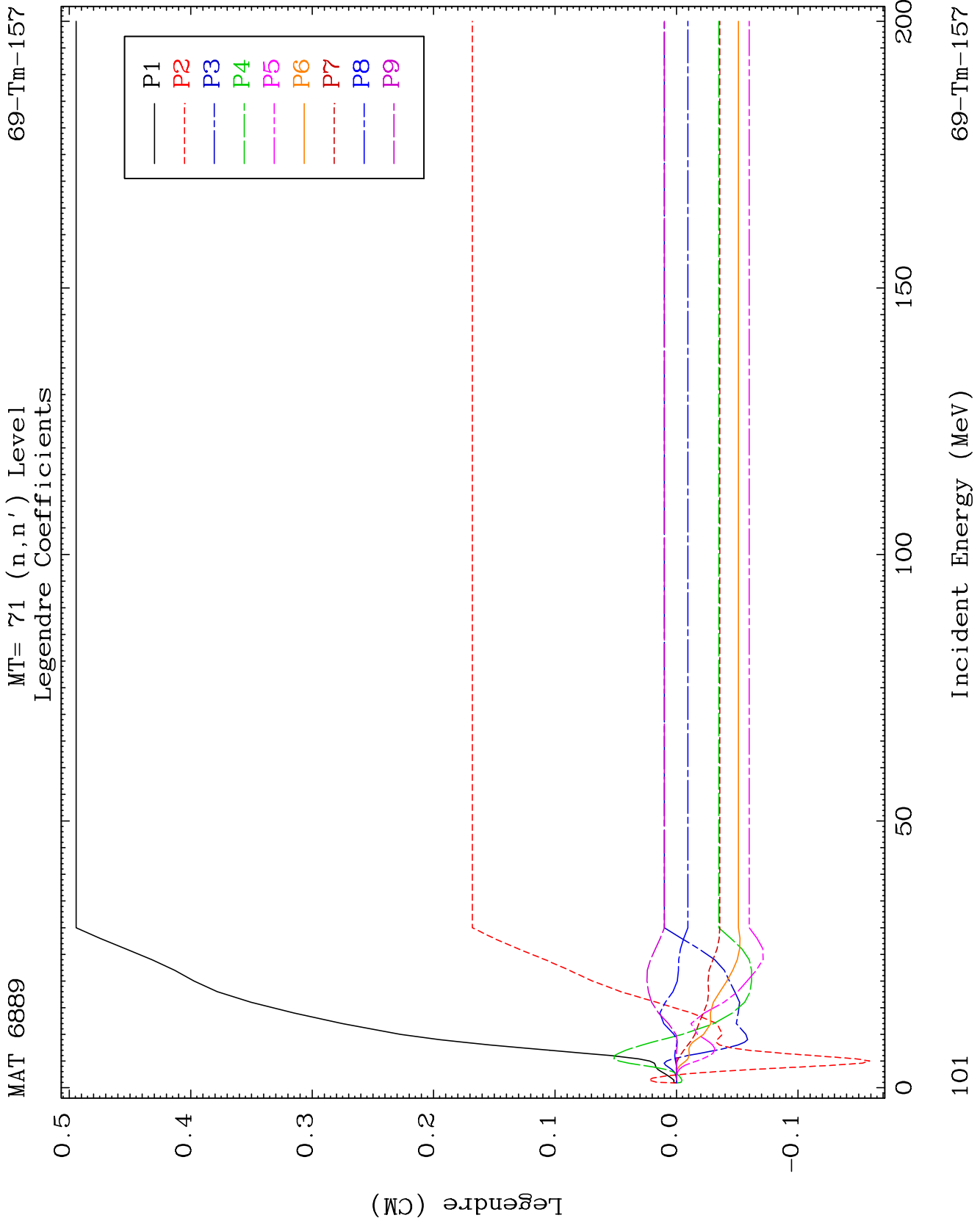
98

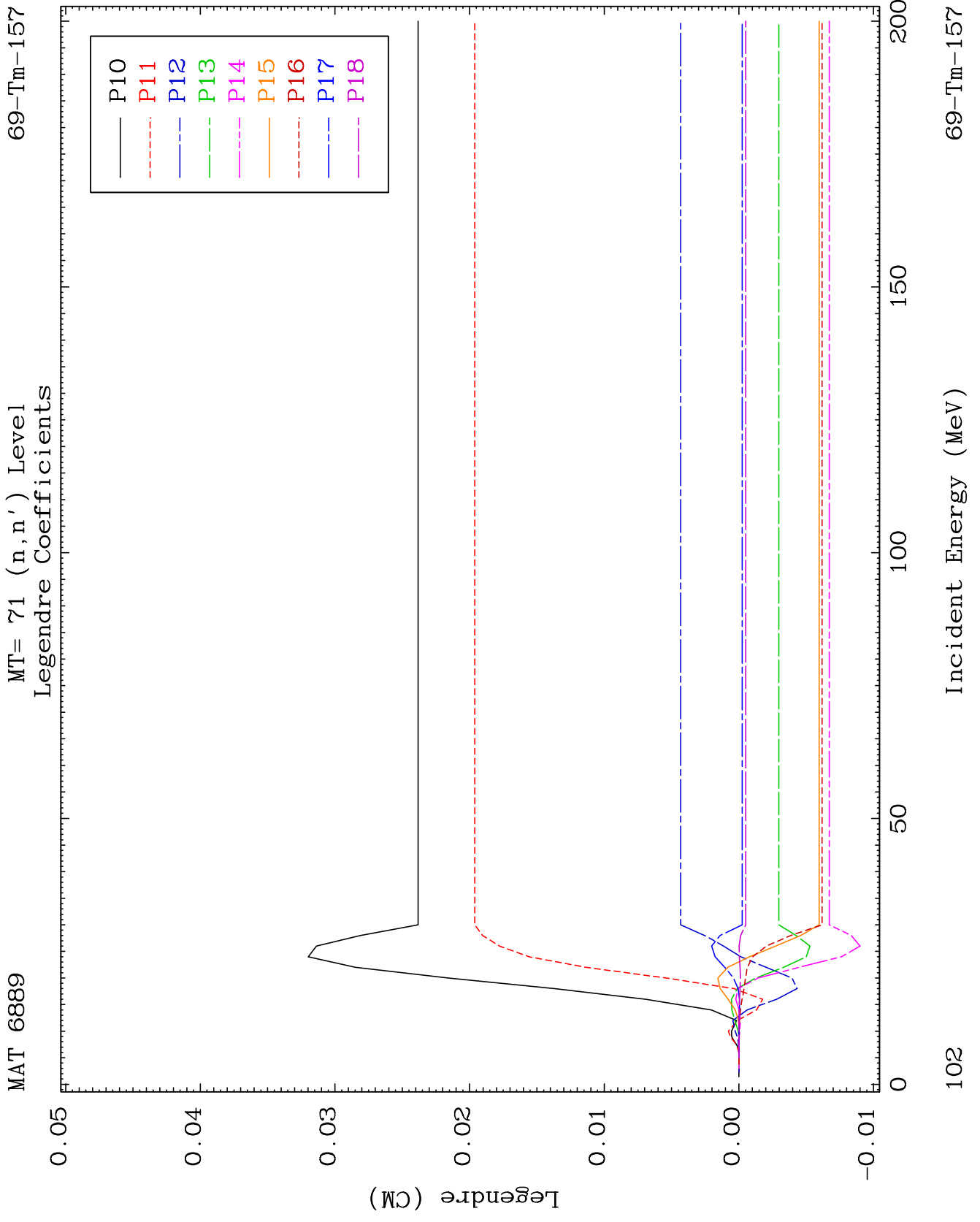
Incident Energy (MeV)

69-Tm-157





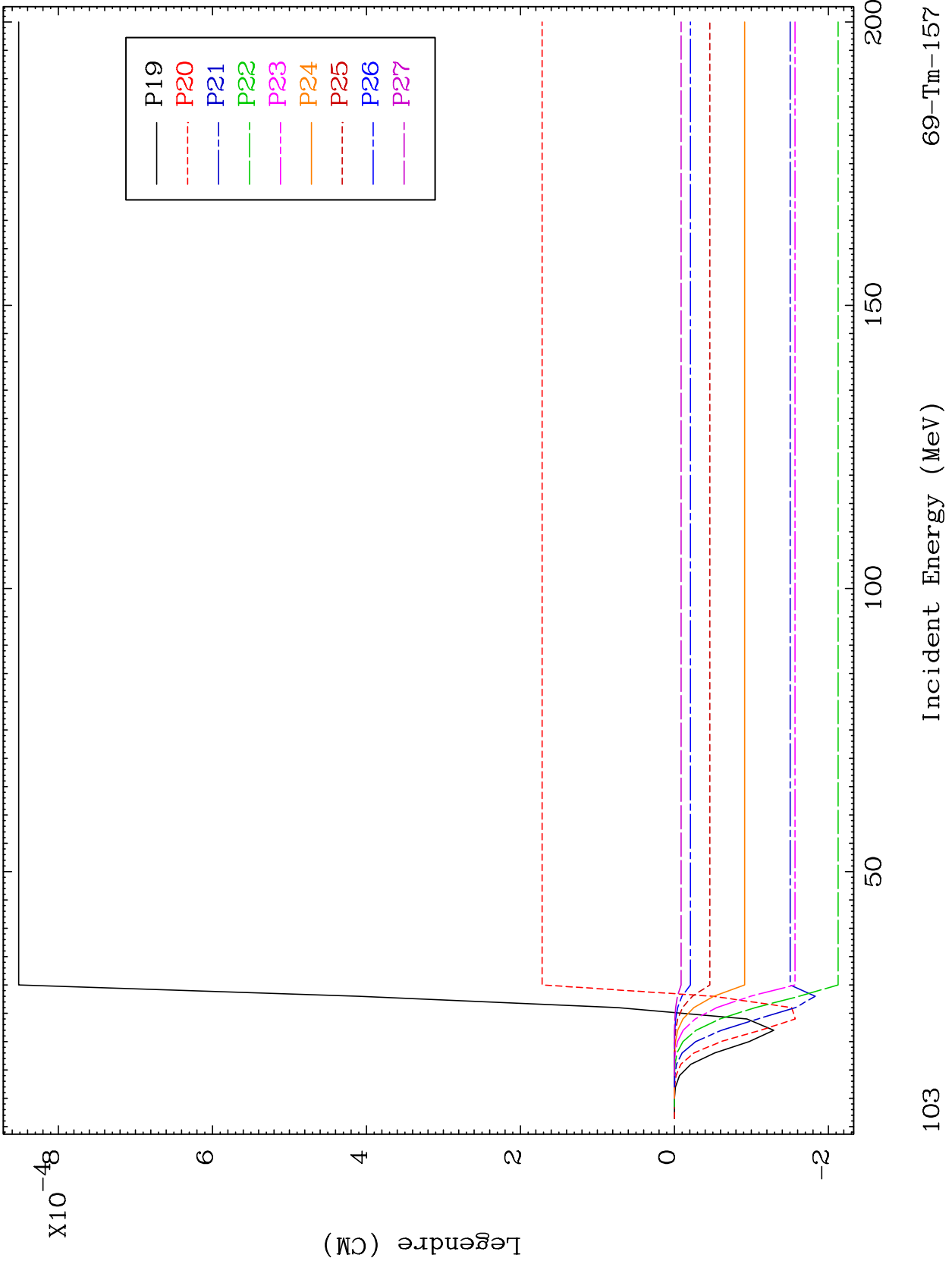




MAT 6889

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

69-Tm-157

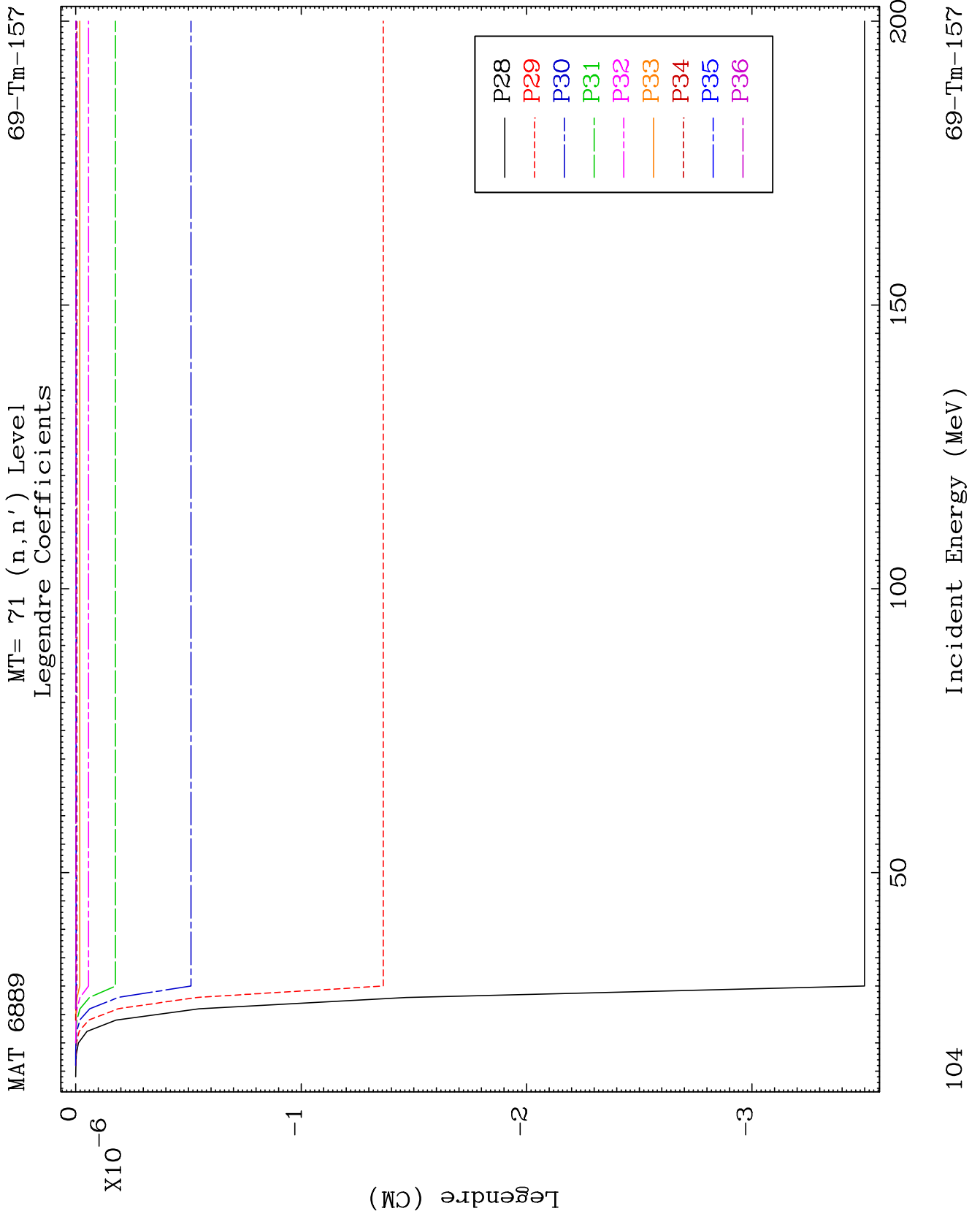


103

Incident Energy (MeV)

69-Tm-157

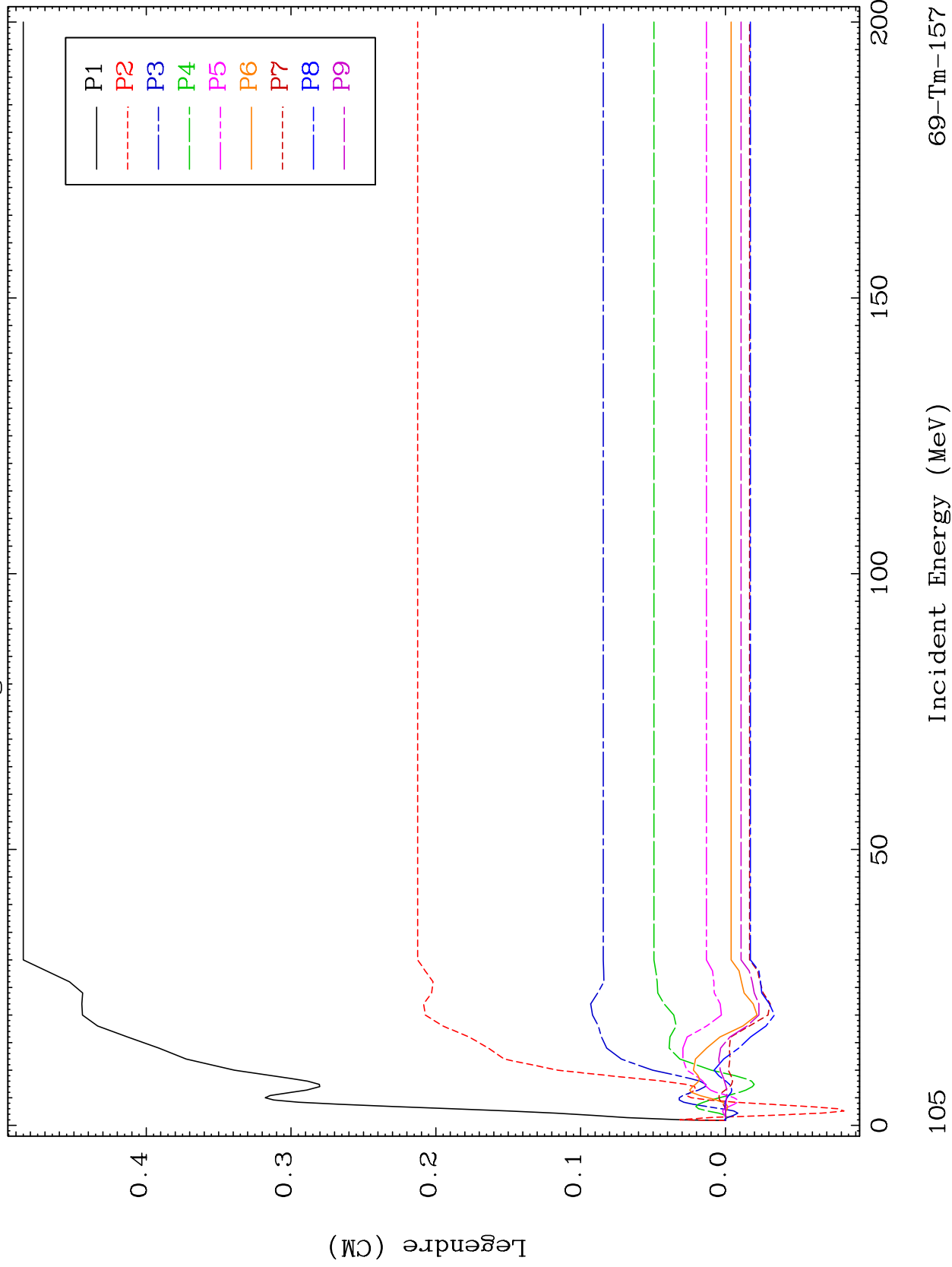




MAT 6889

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

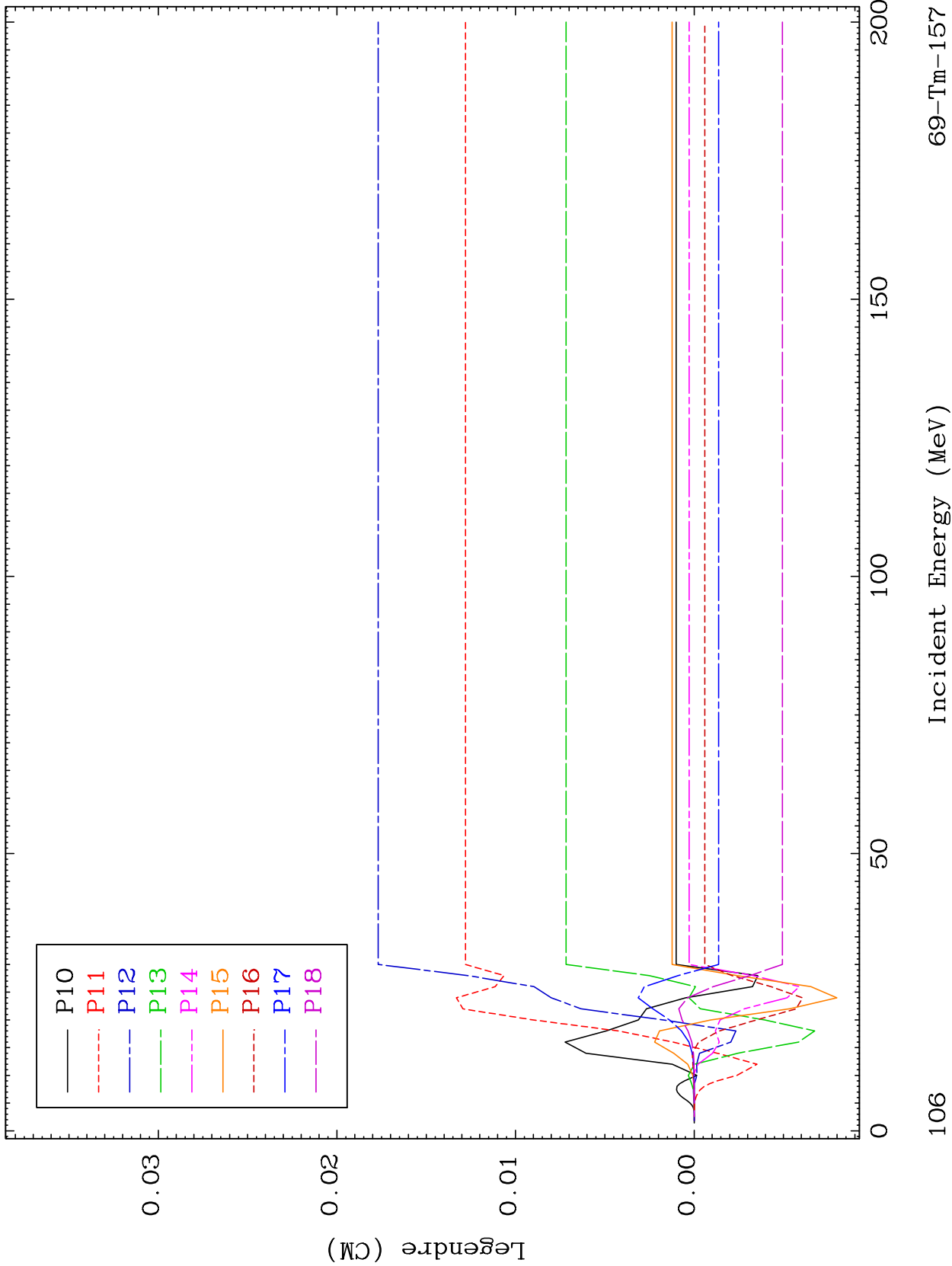
69-Tm-157



MAT 6889

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

69-Tm-157



106

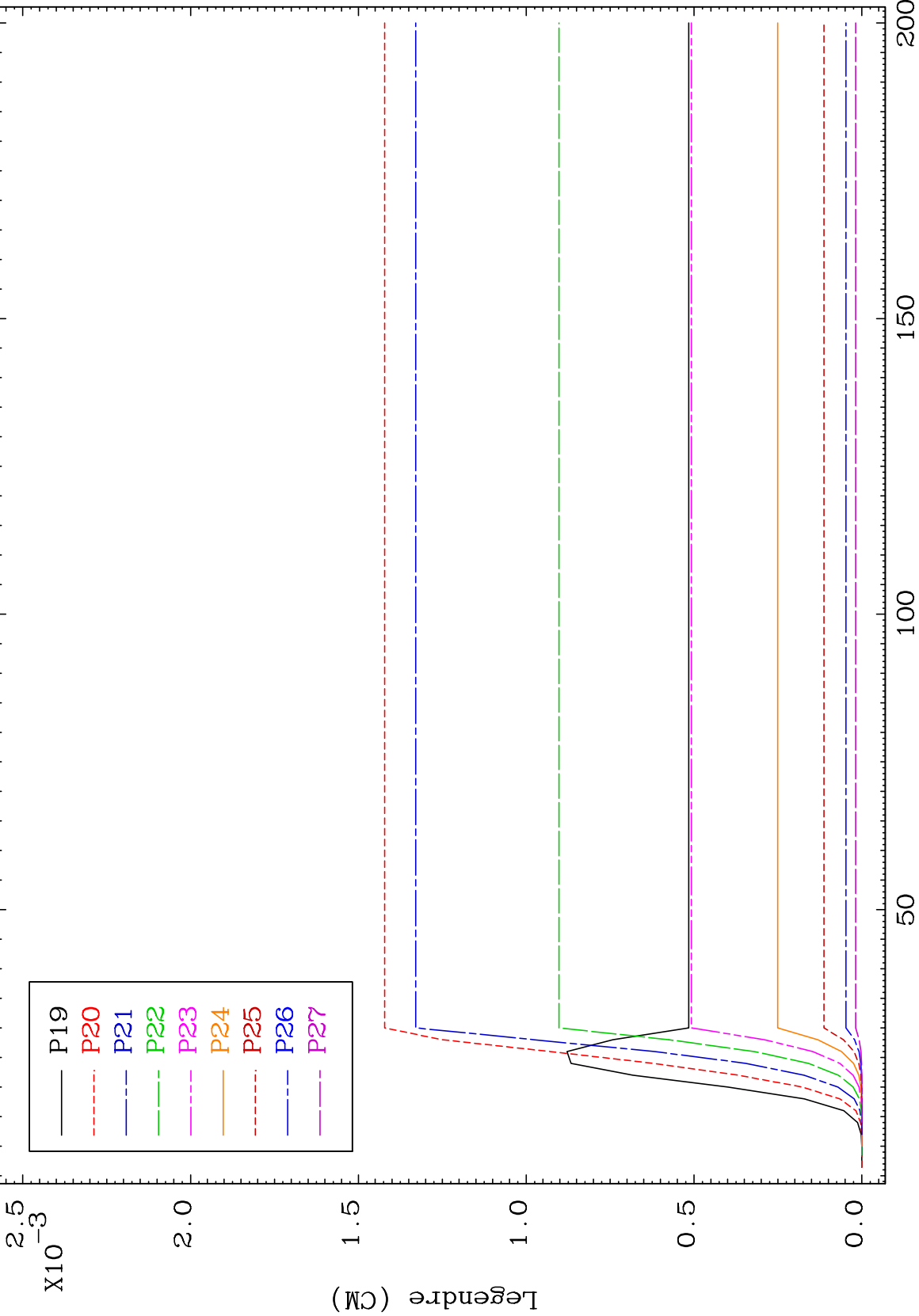
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



107

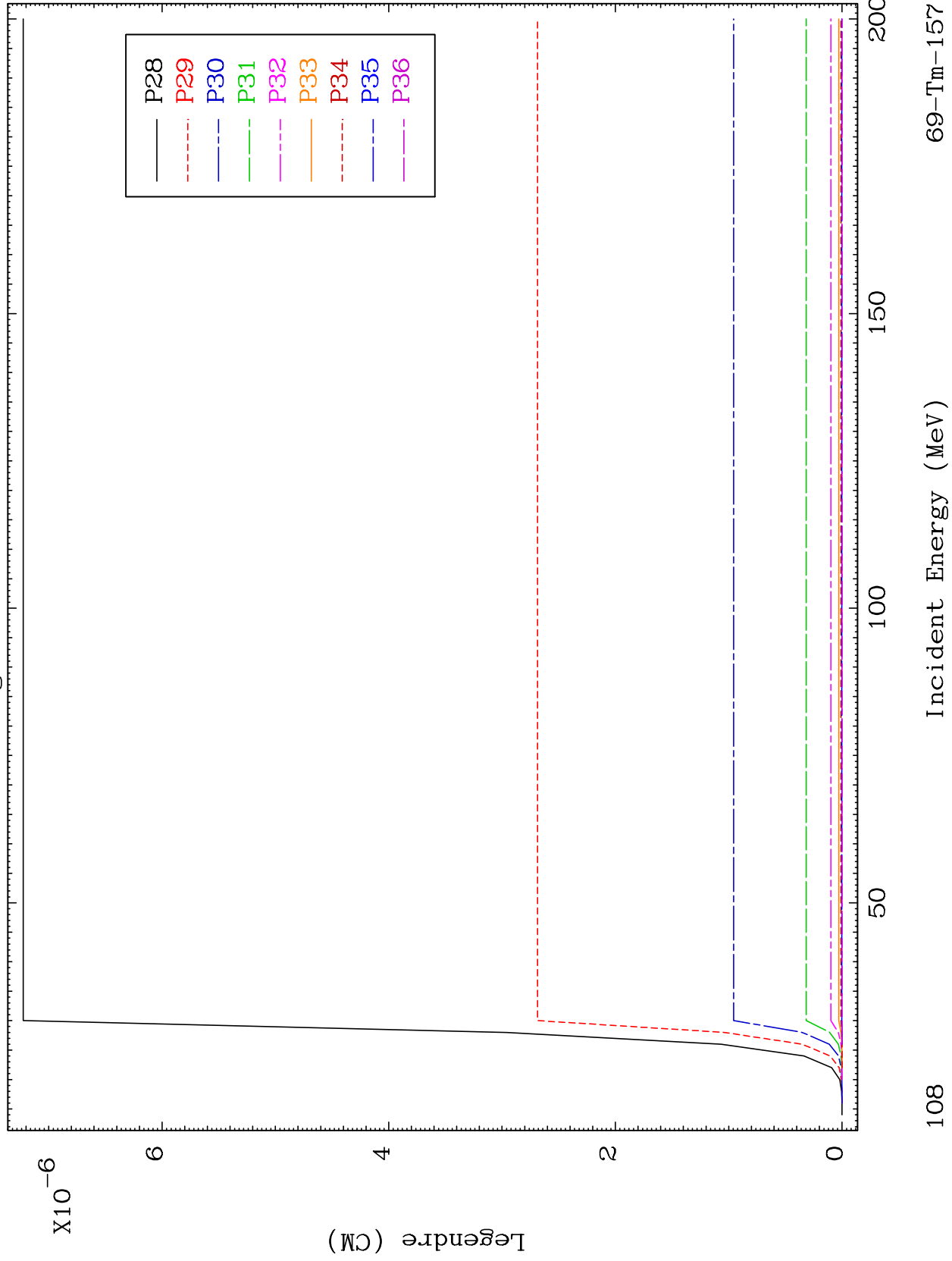
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

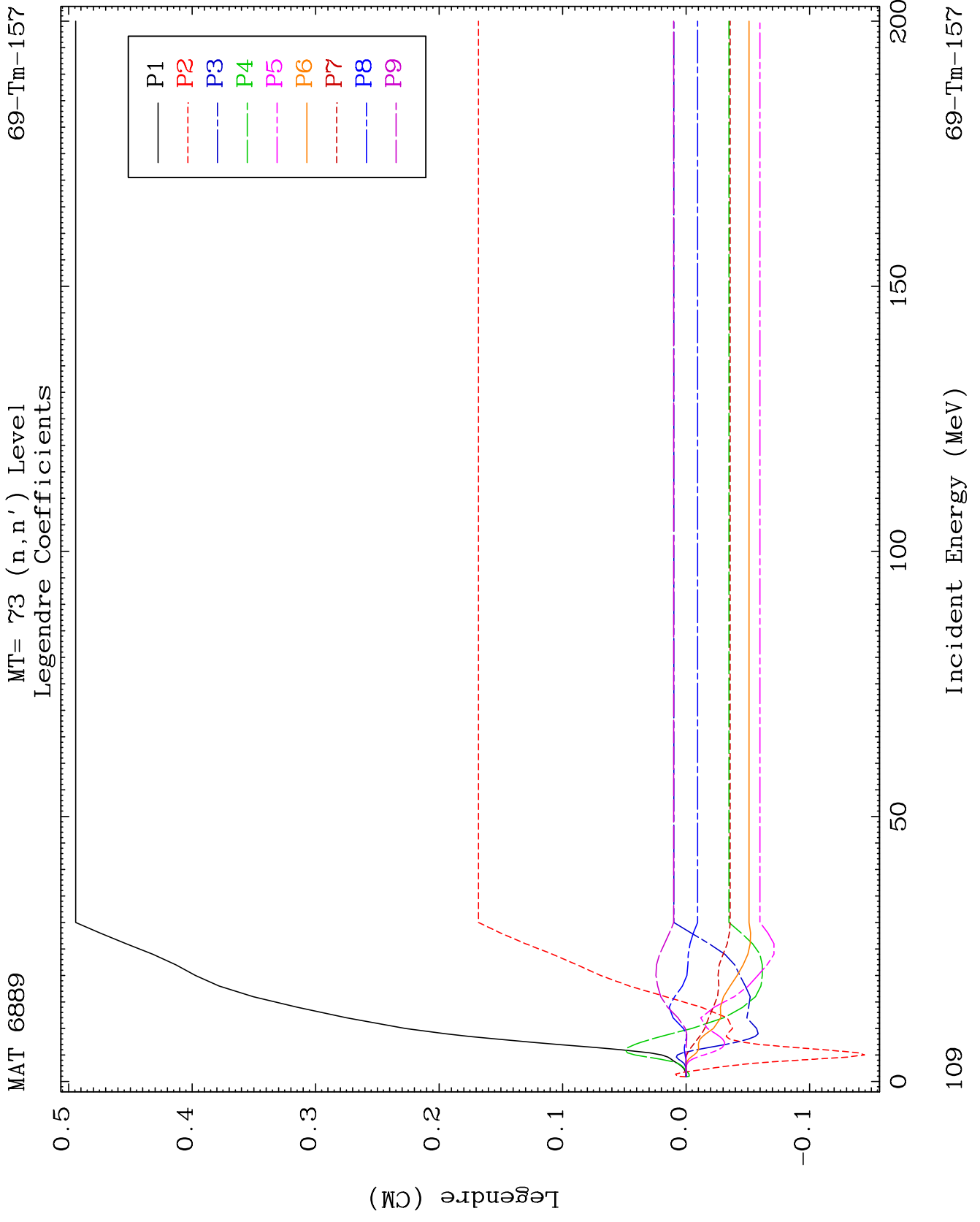
69-Tm-157

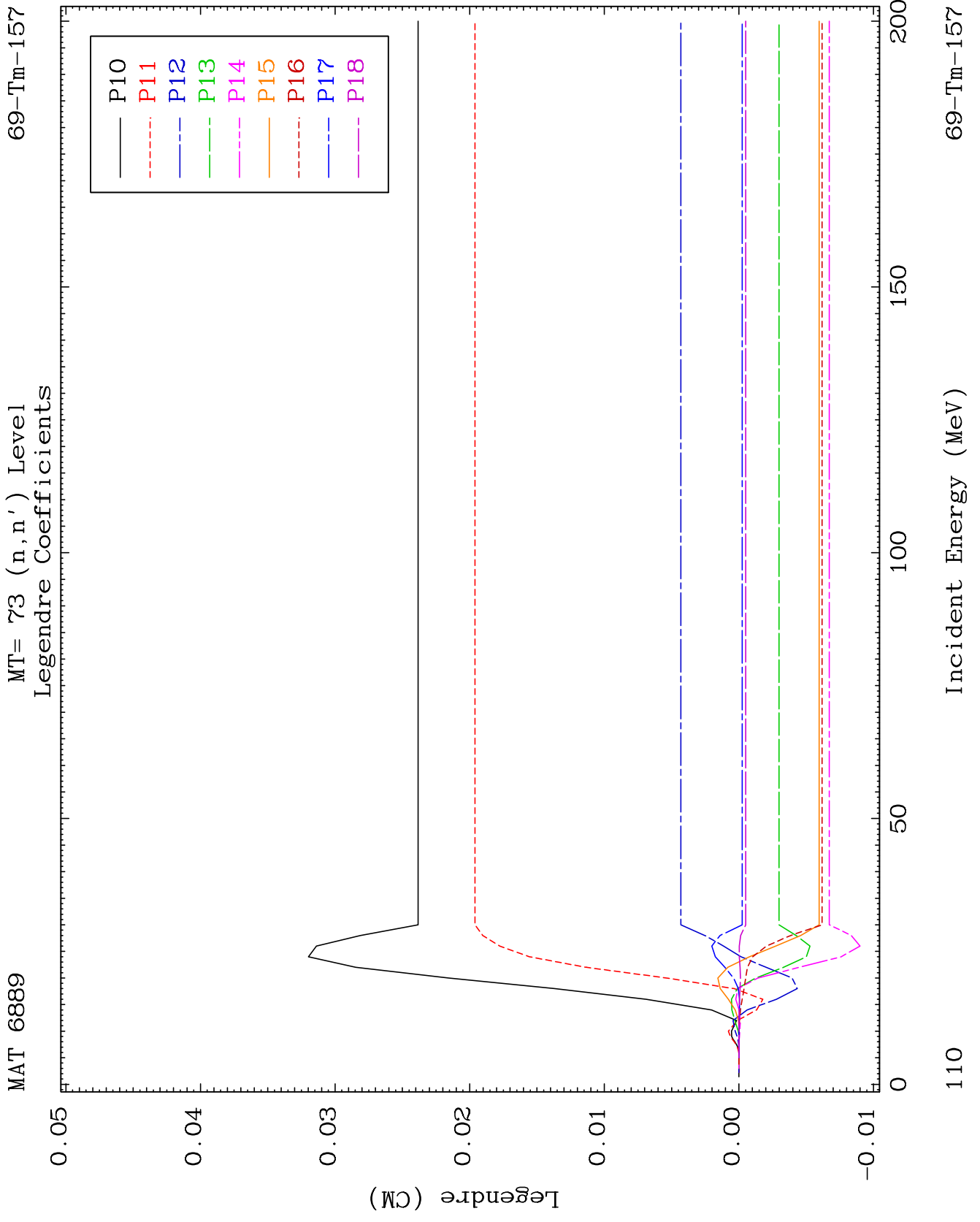


108

Incident Energy (MeV)

69-Tm-157

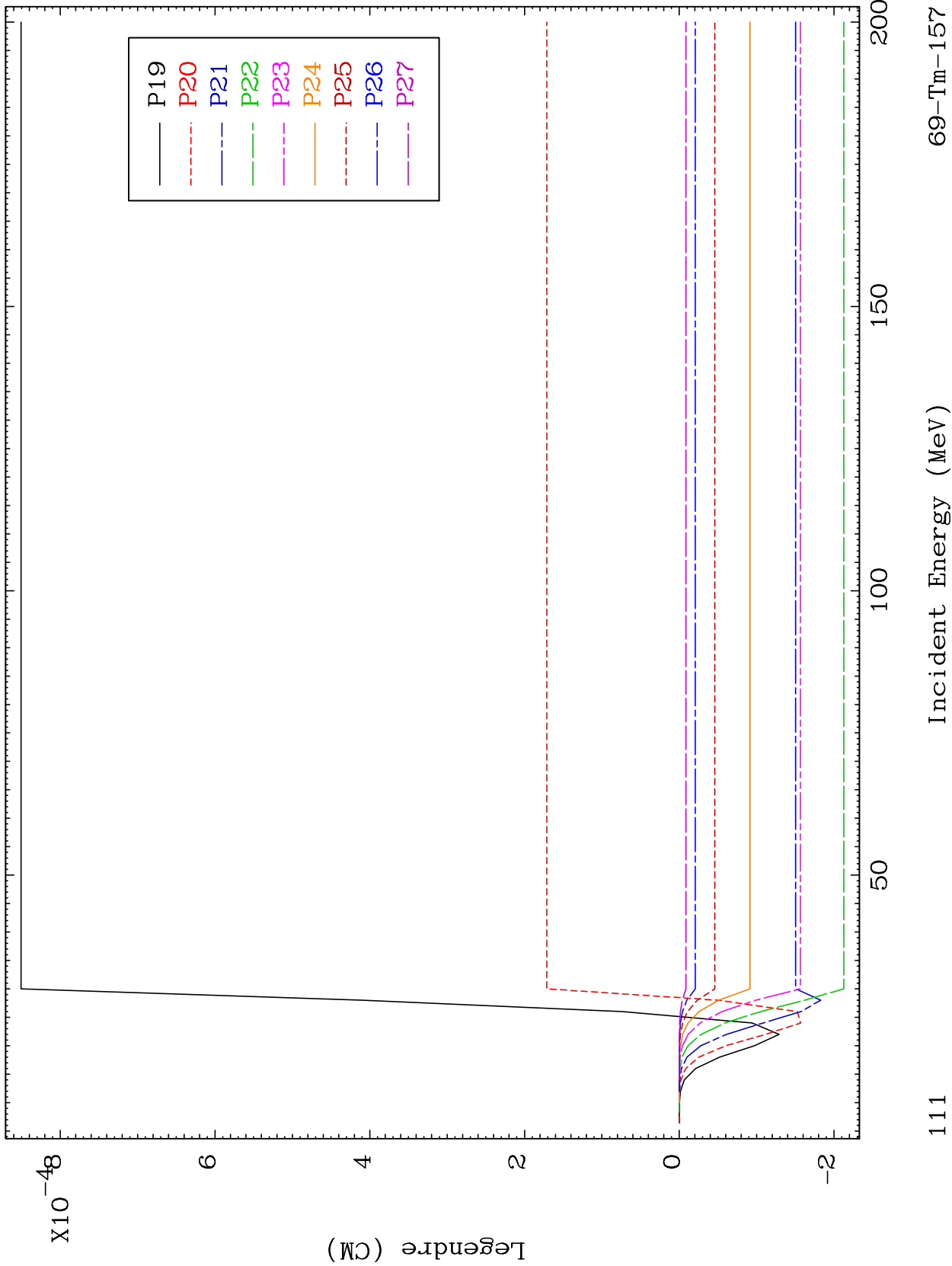




MAT 6889

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

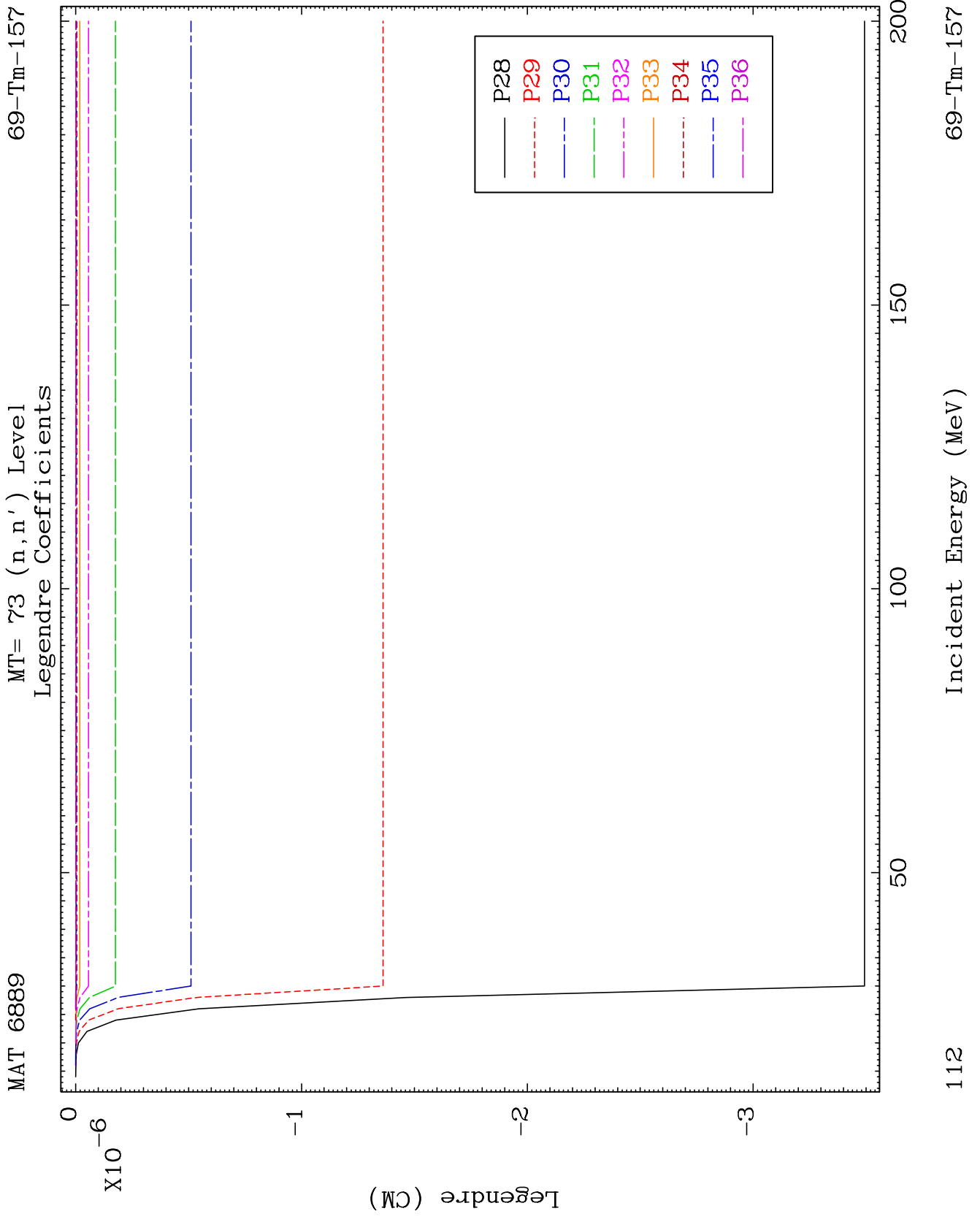
69-Tm-157



111

69-Tm-157

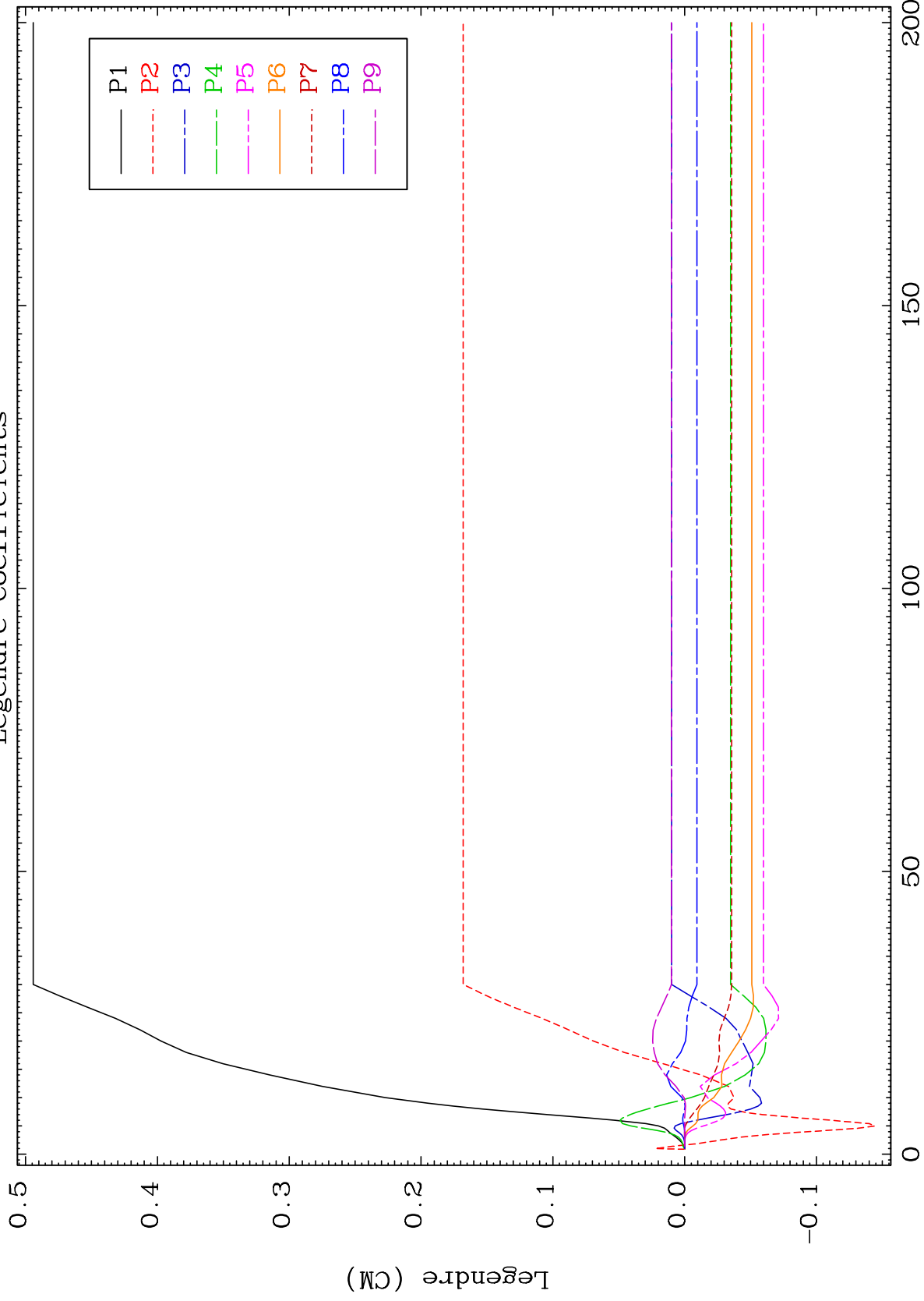




MAT 6889

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

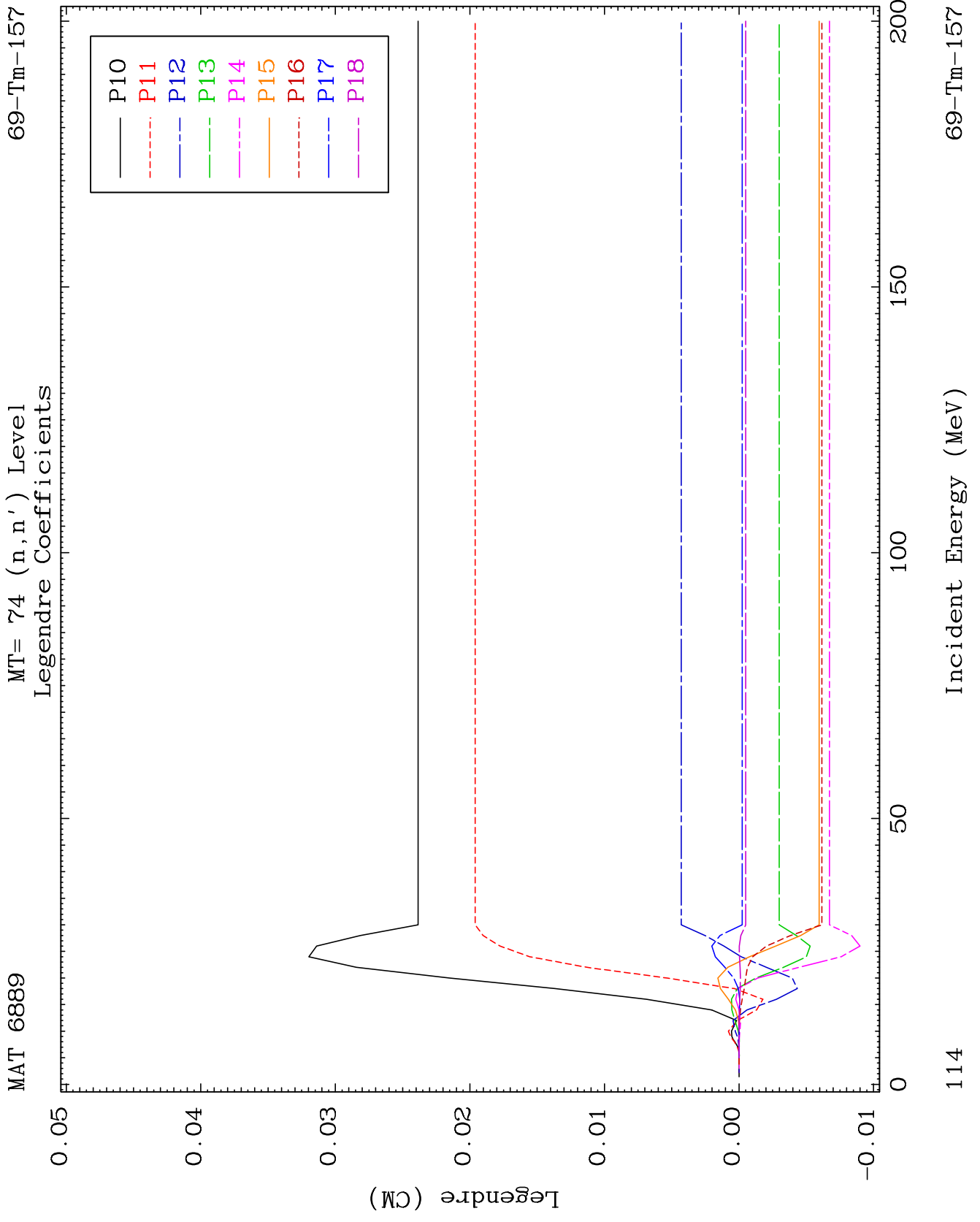
69-Tm-157



113

Incident Energy (MeV)

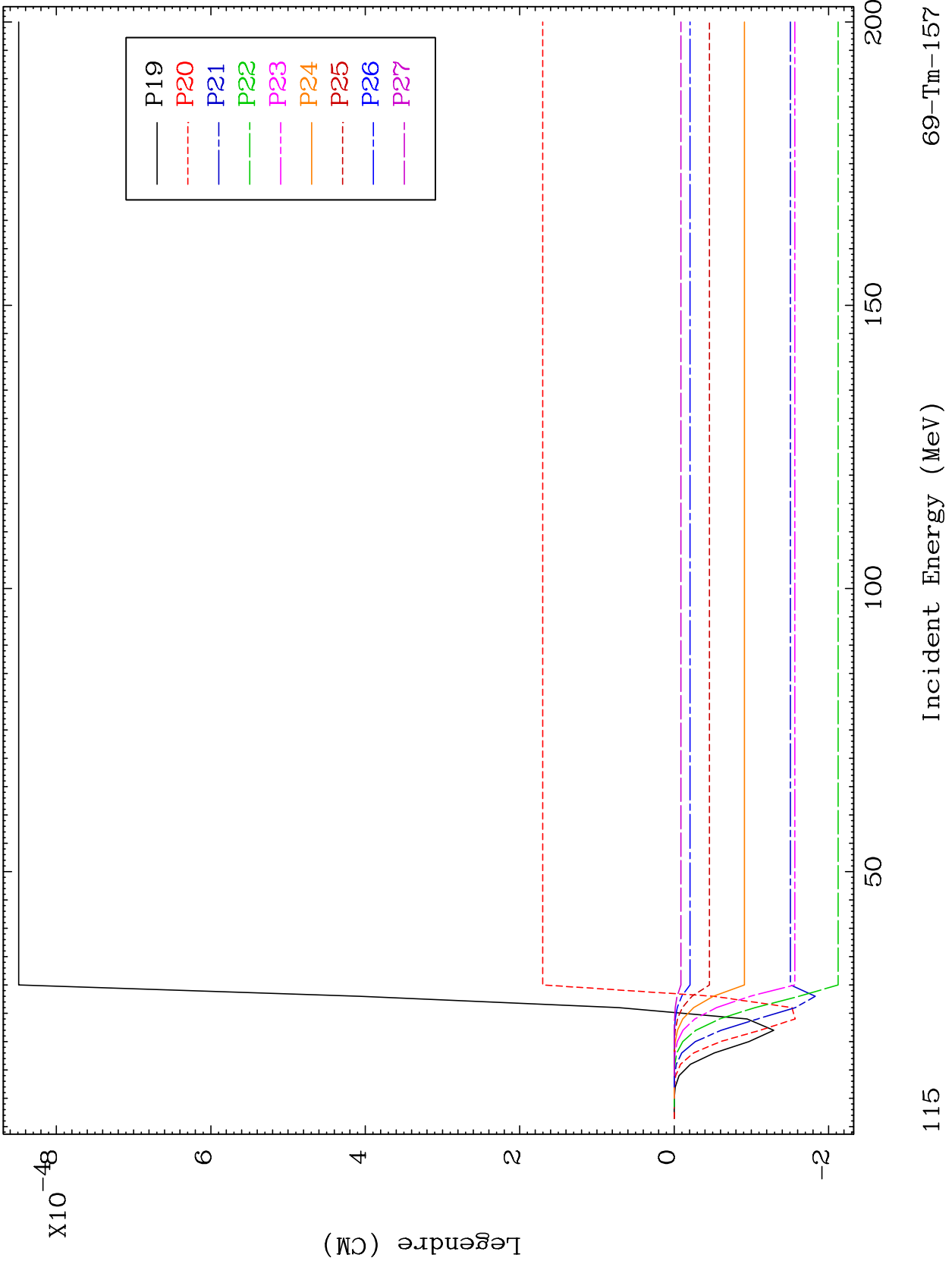
69-Tm-157



MAT 6889

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

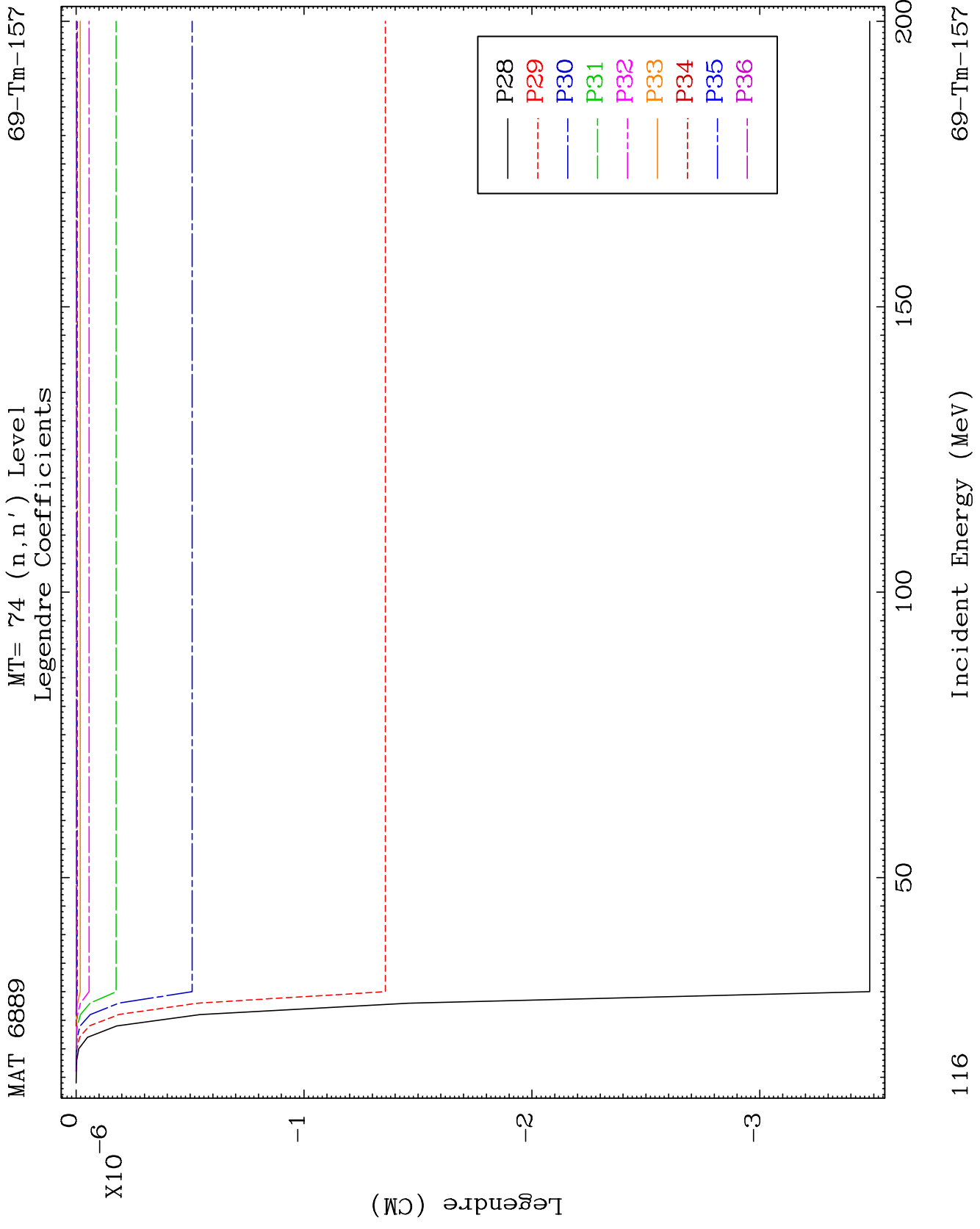
69-Tm-157



115

Incident Energy (MeV)

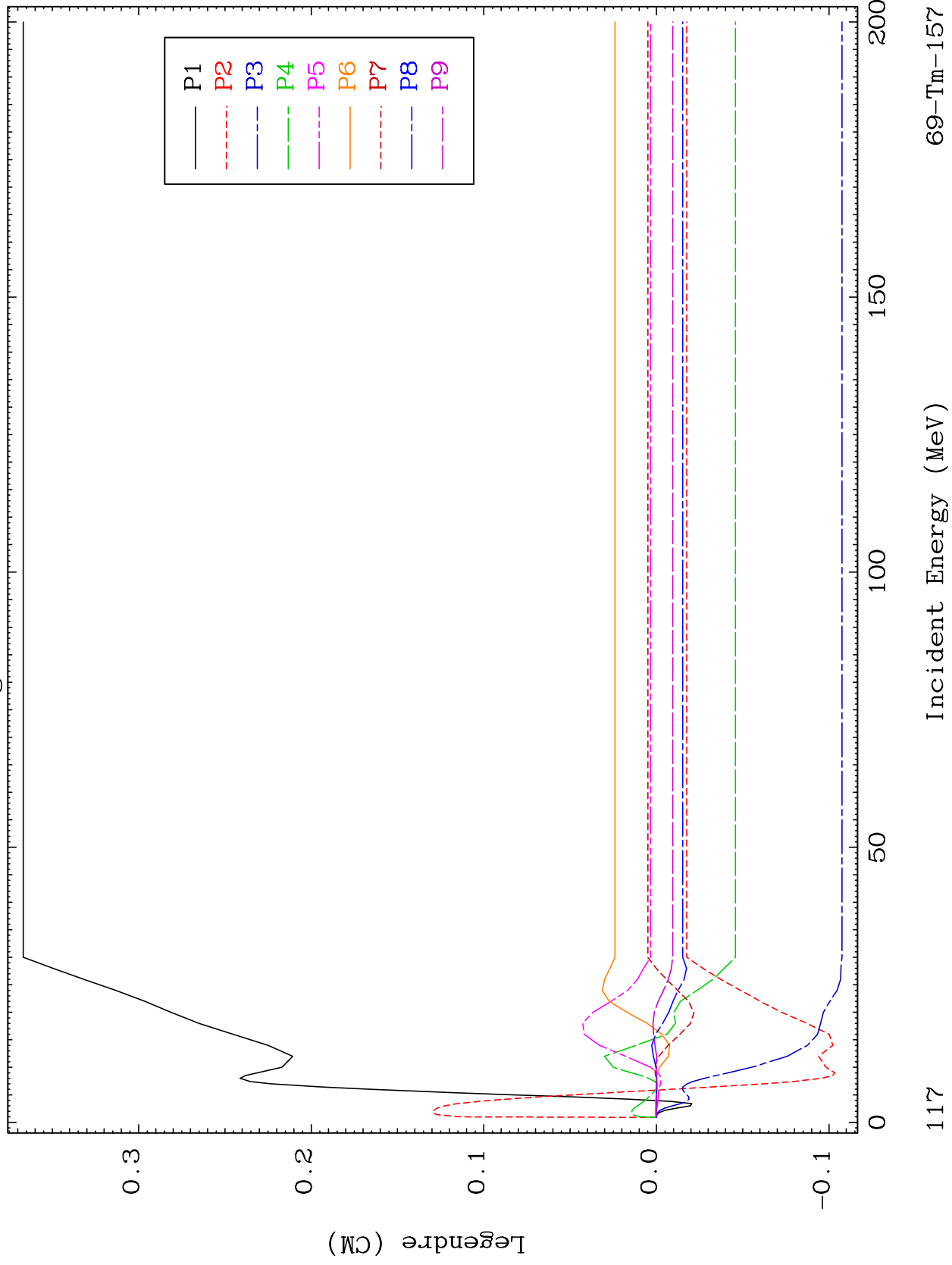
69-Tm-157



MAT 6889

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

69-Tm-157



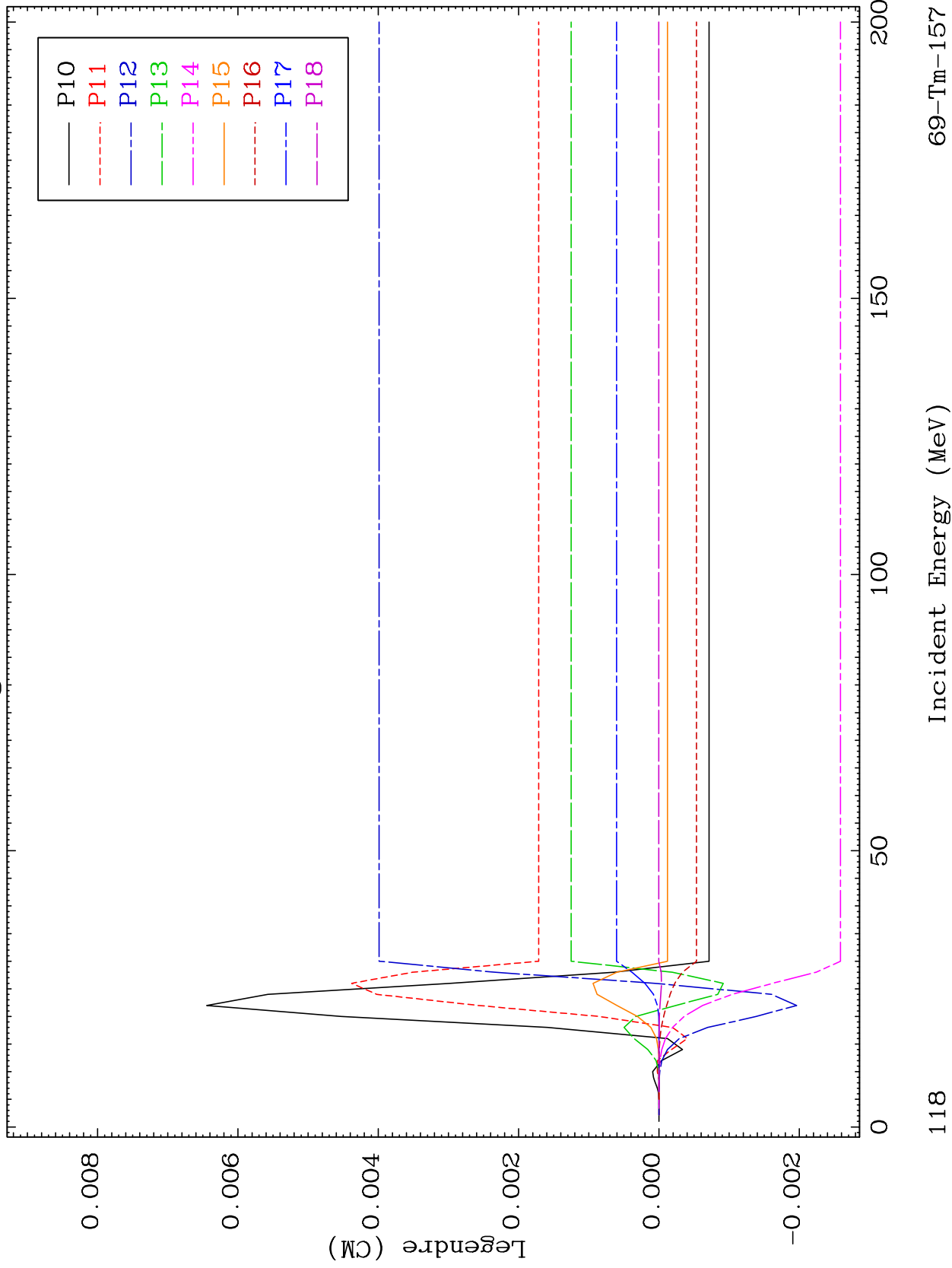
117

69-Tm-157

MAT 6889

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

69-Tm-157



118

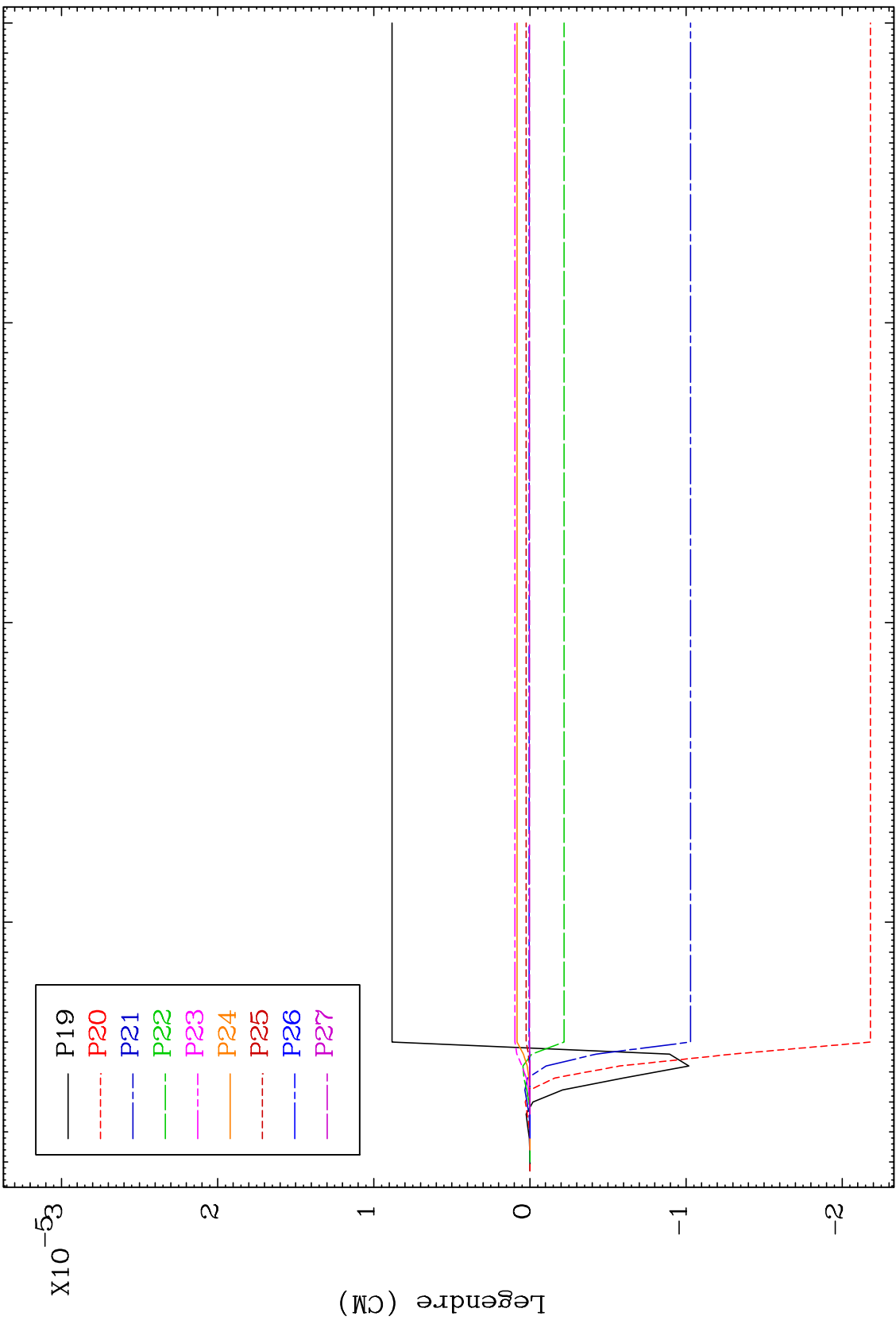
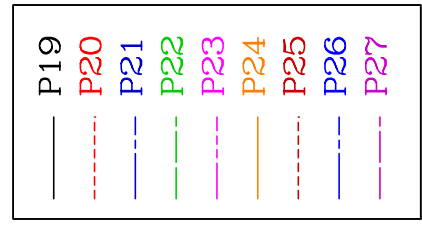
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



119

Incident Energy (MeV)

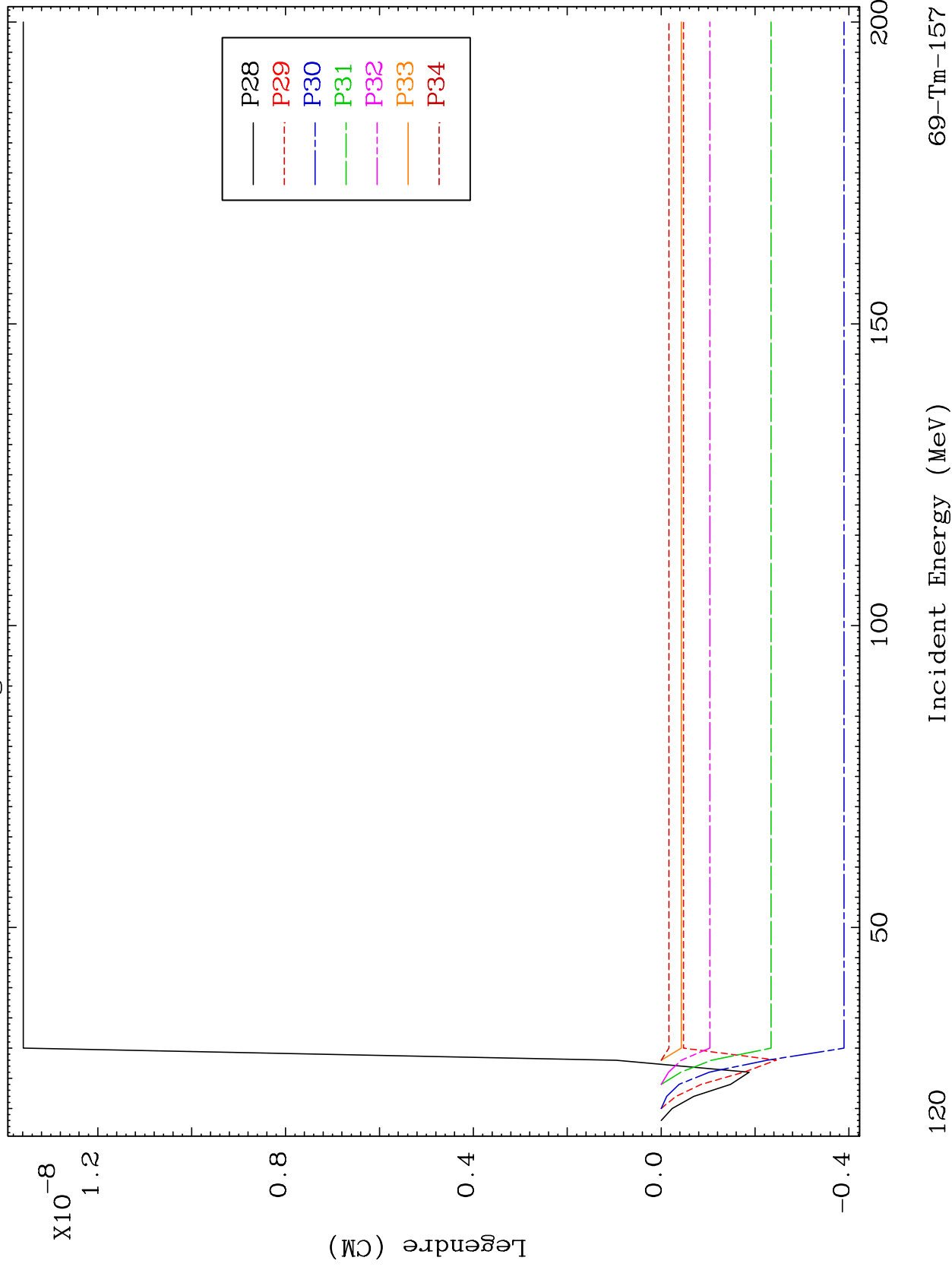
69-Tm-157

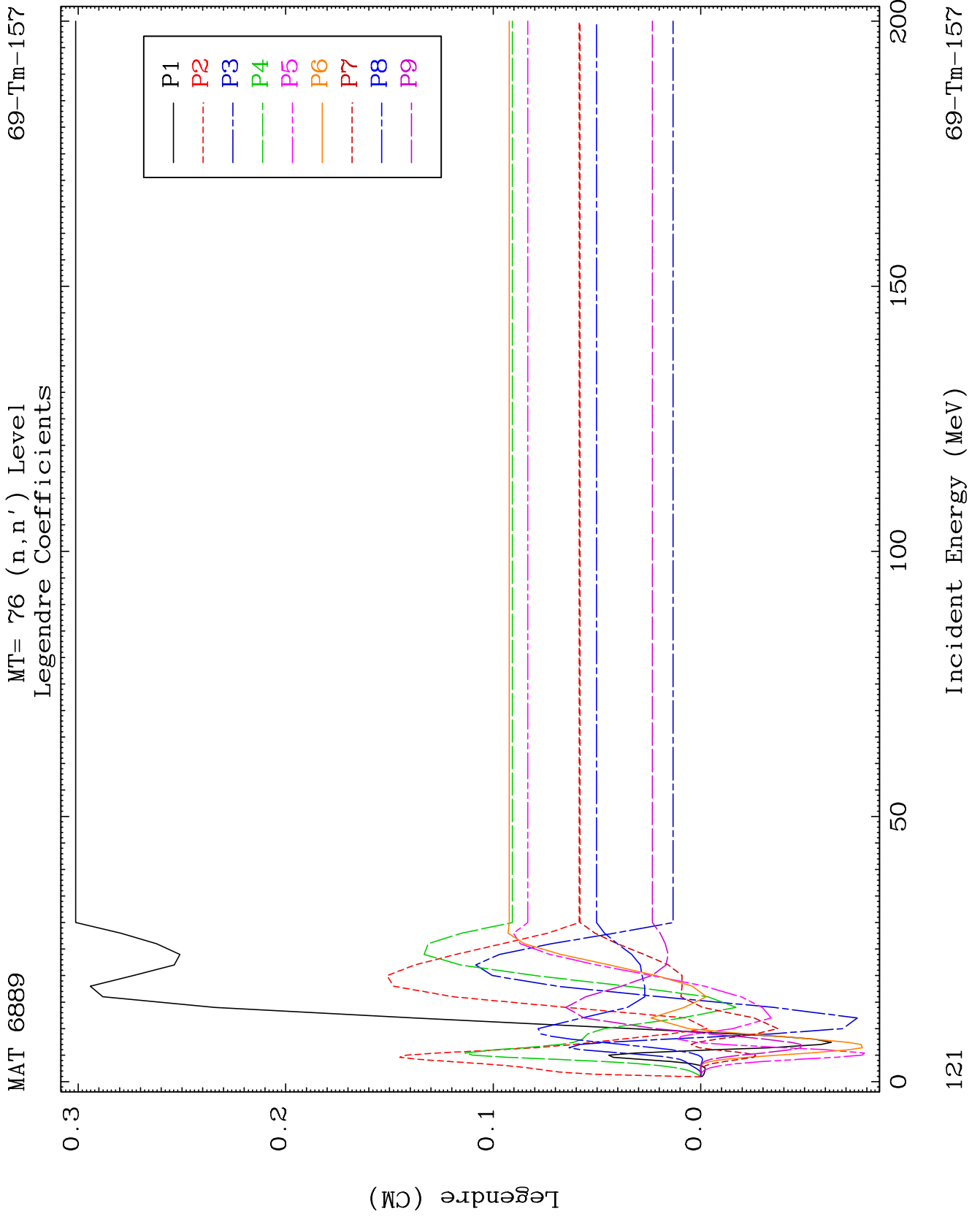


MAT 6889

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

69-Tm-157

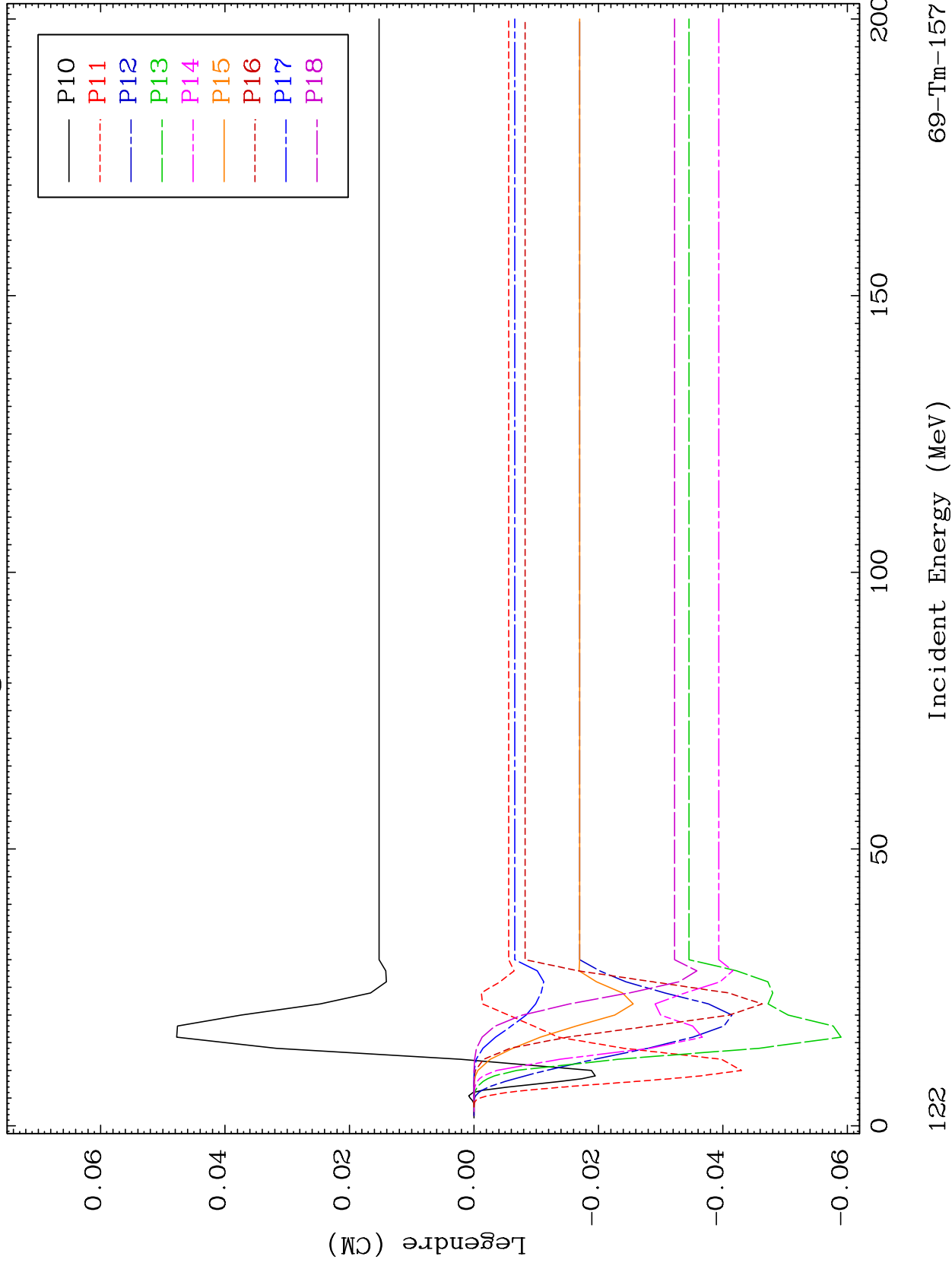




MAT 6889

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

69-Tm-157



69-Tm-157

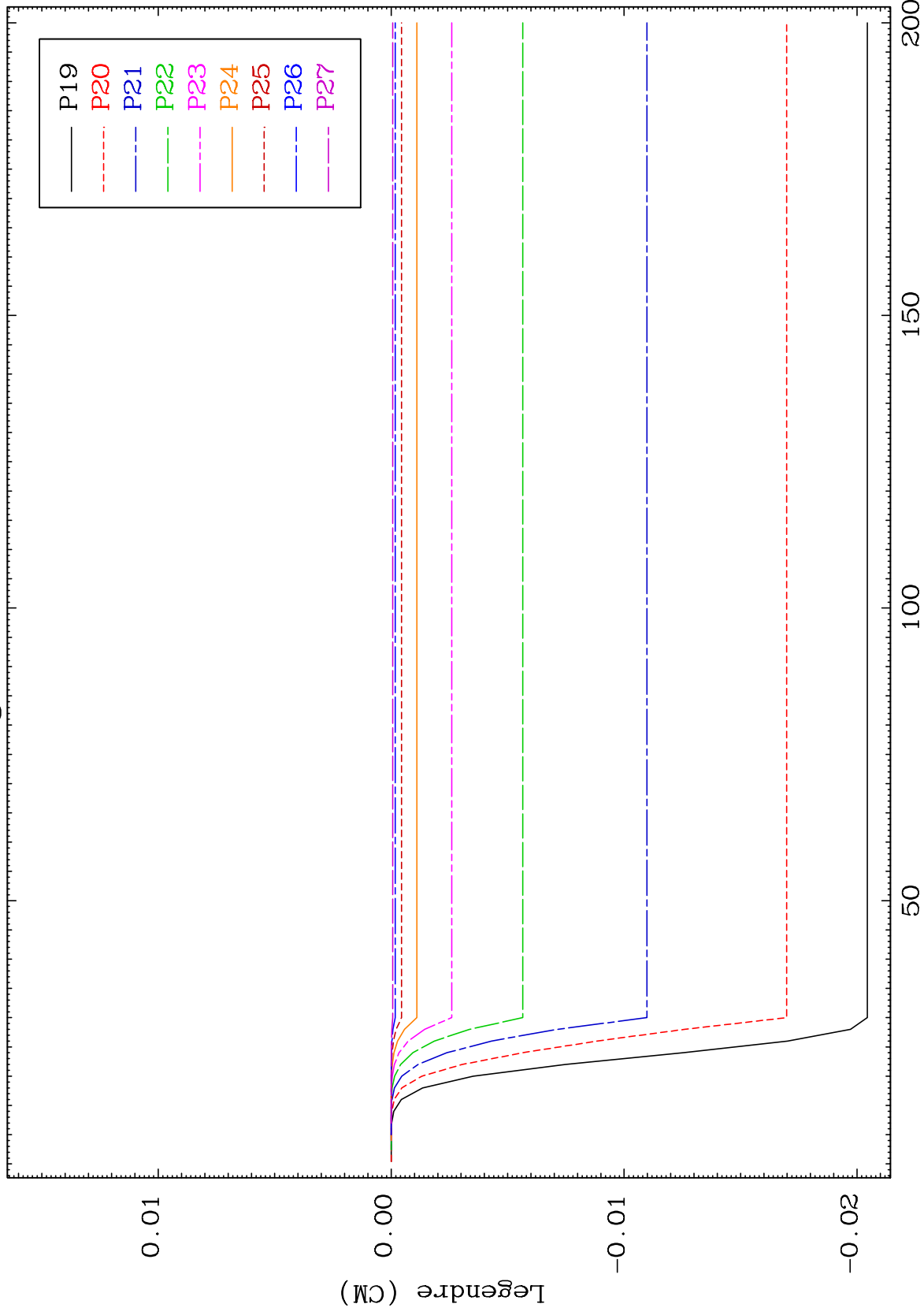
Incident Energy (MeV)

122

MAT 6889

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

69-Tm-157



123

Incident Energy (MeV)

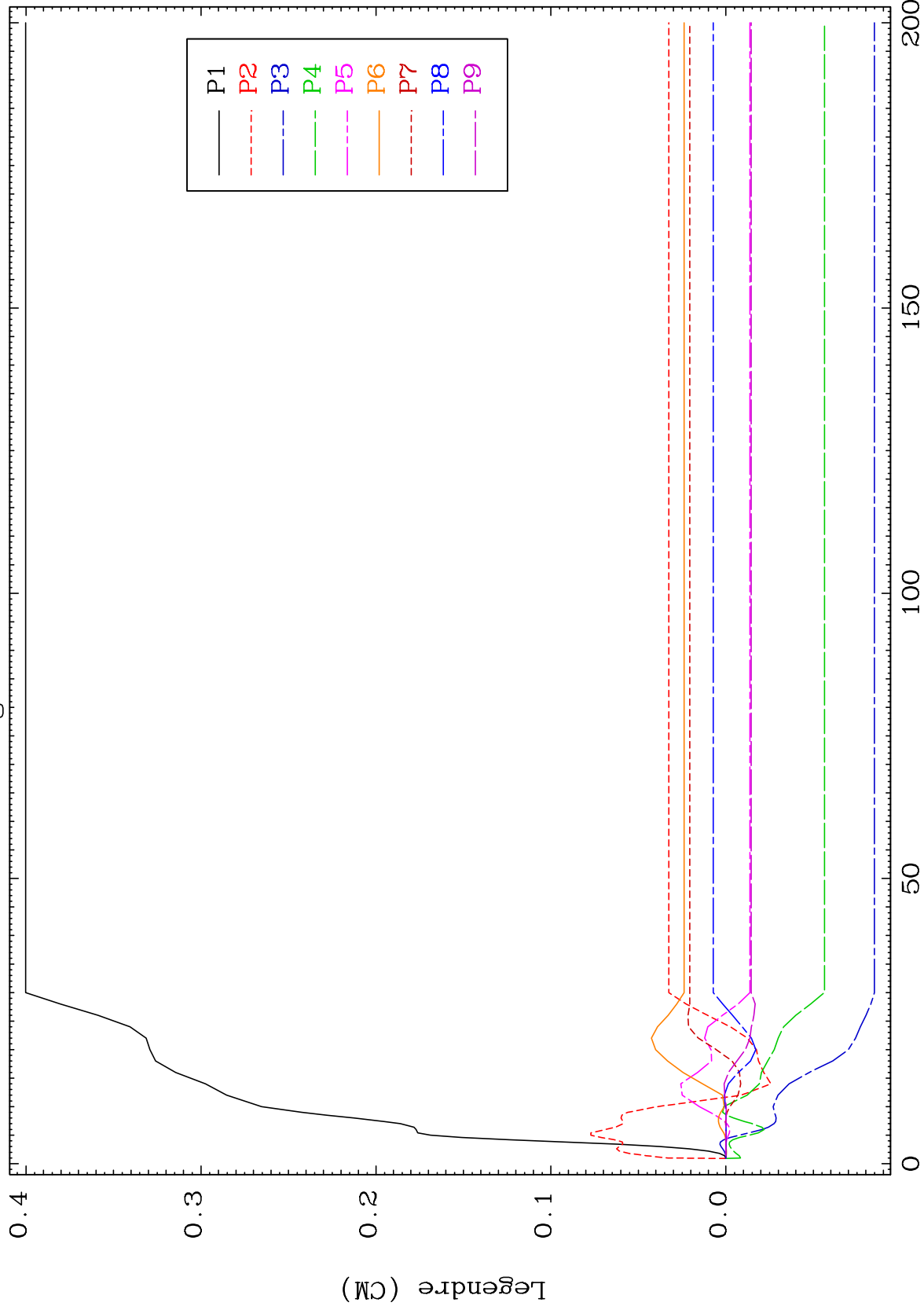
69-Tm-157



MAT 6889

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

69-Tm-157



125

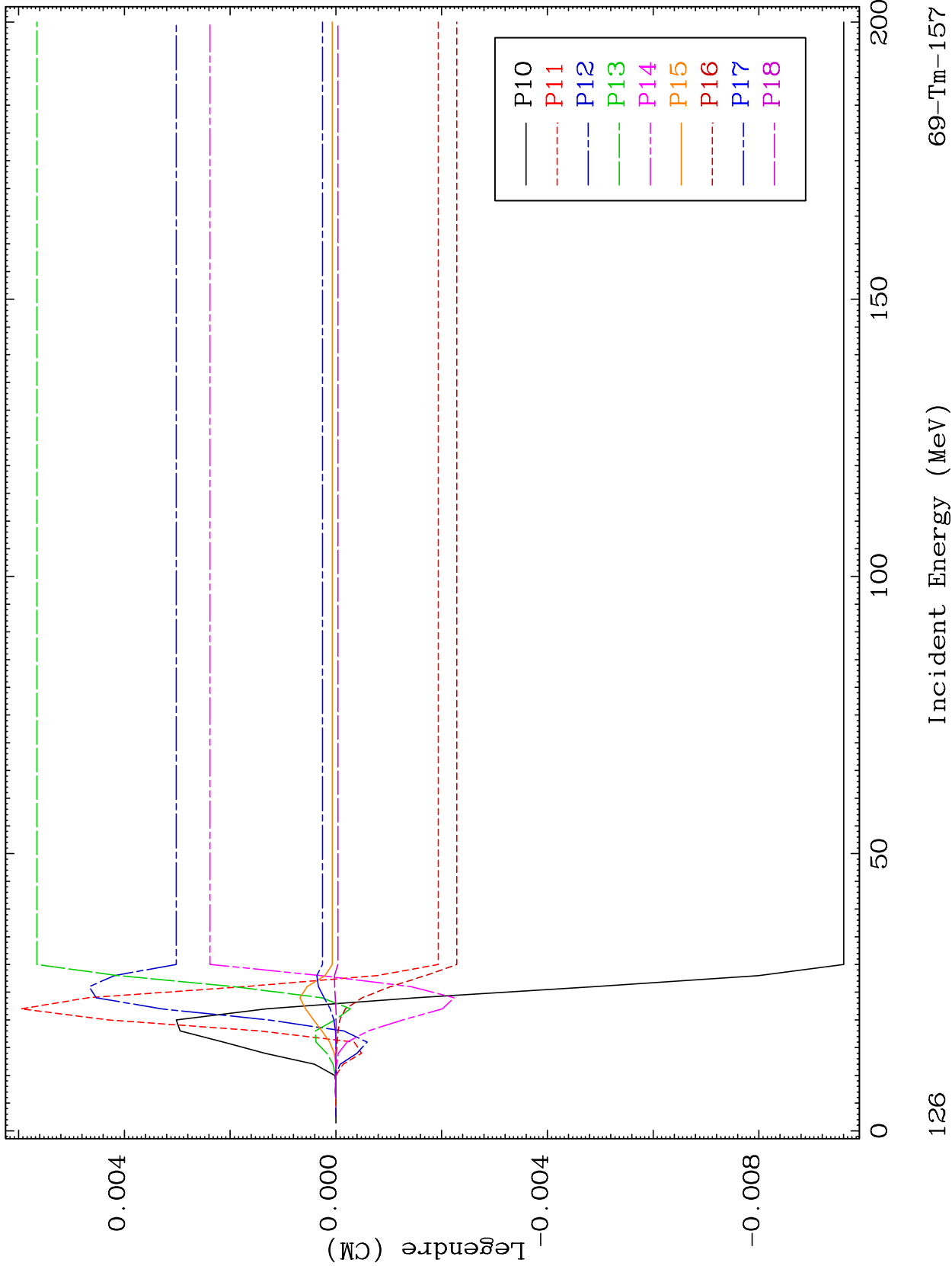
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



126

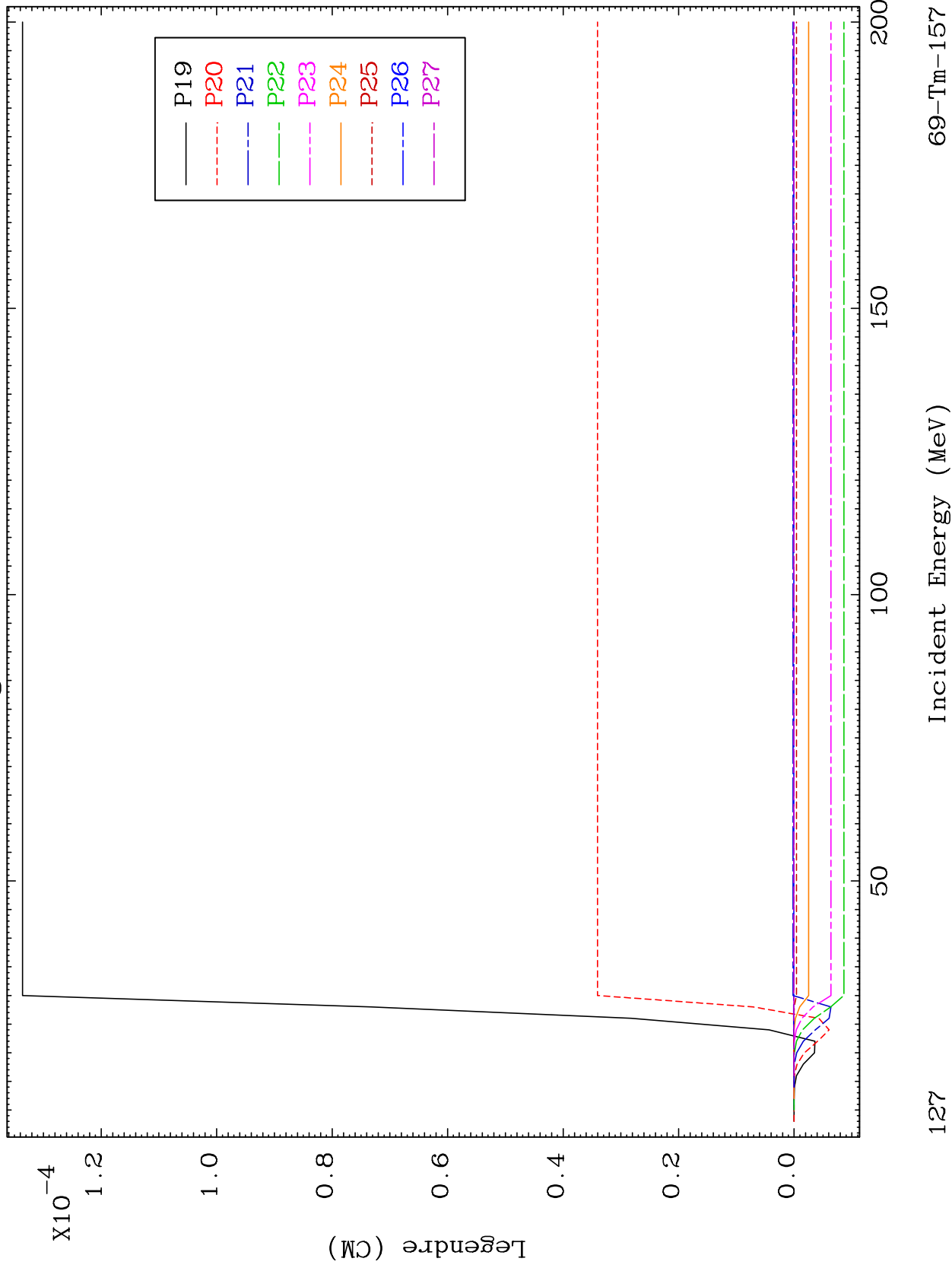
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



127

Incident Energy (MeV)

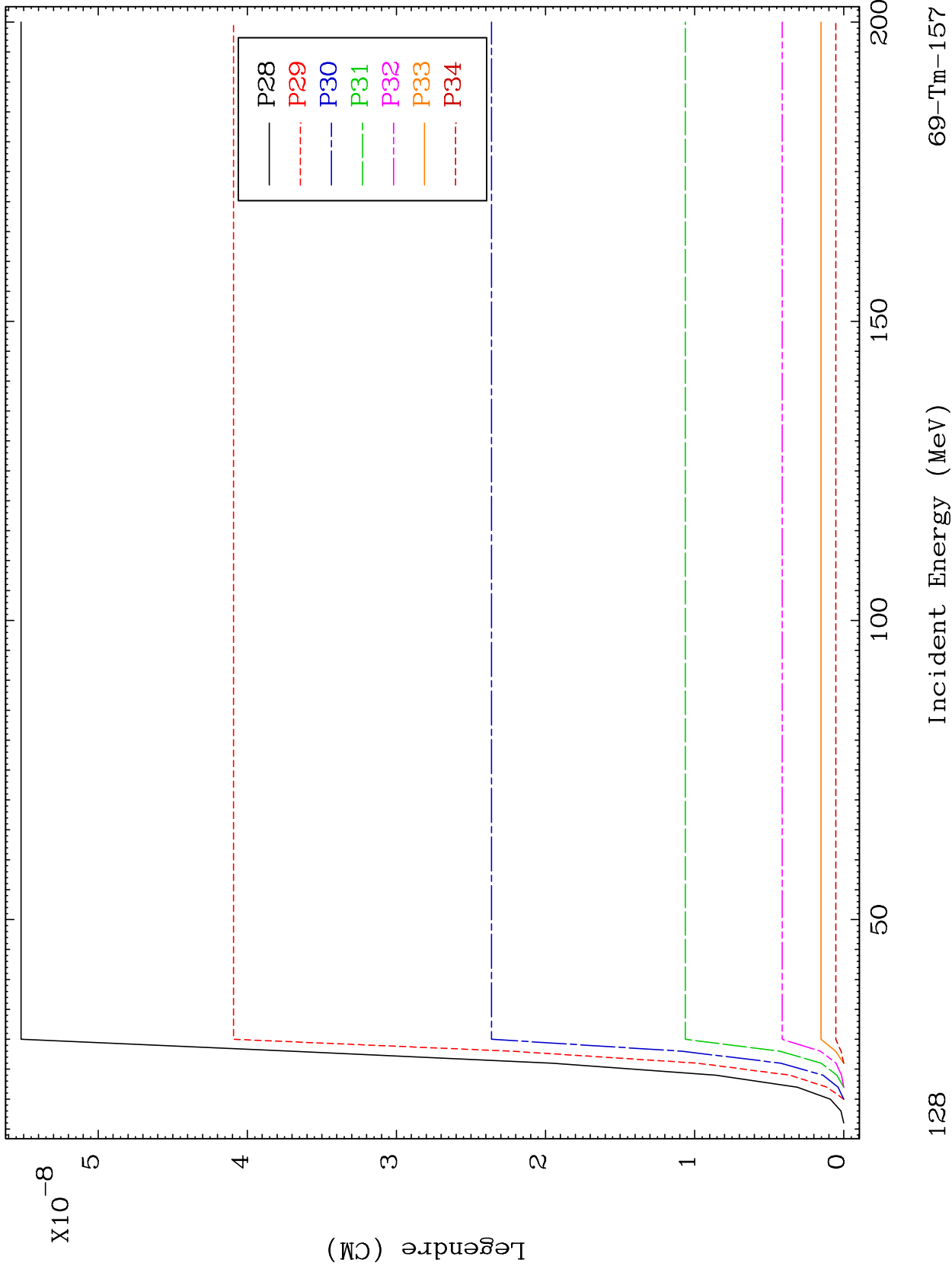
69-Tm-157



MAT 6889

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

69-Tm-157



128

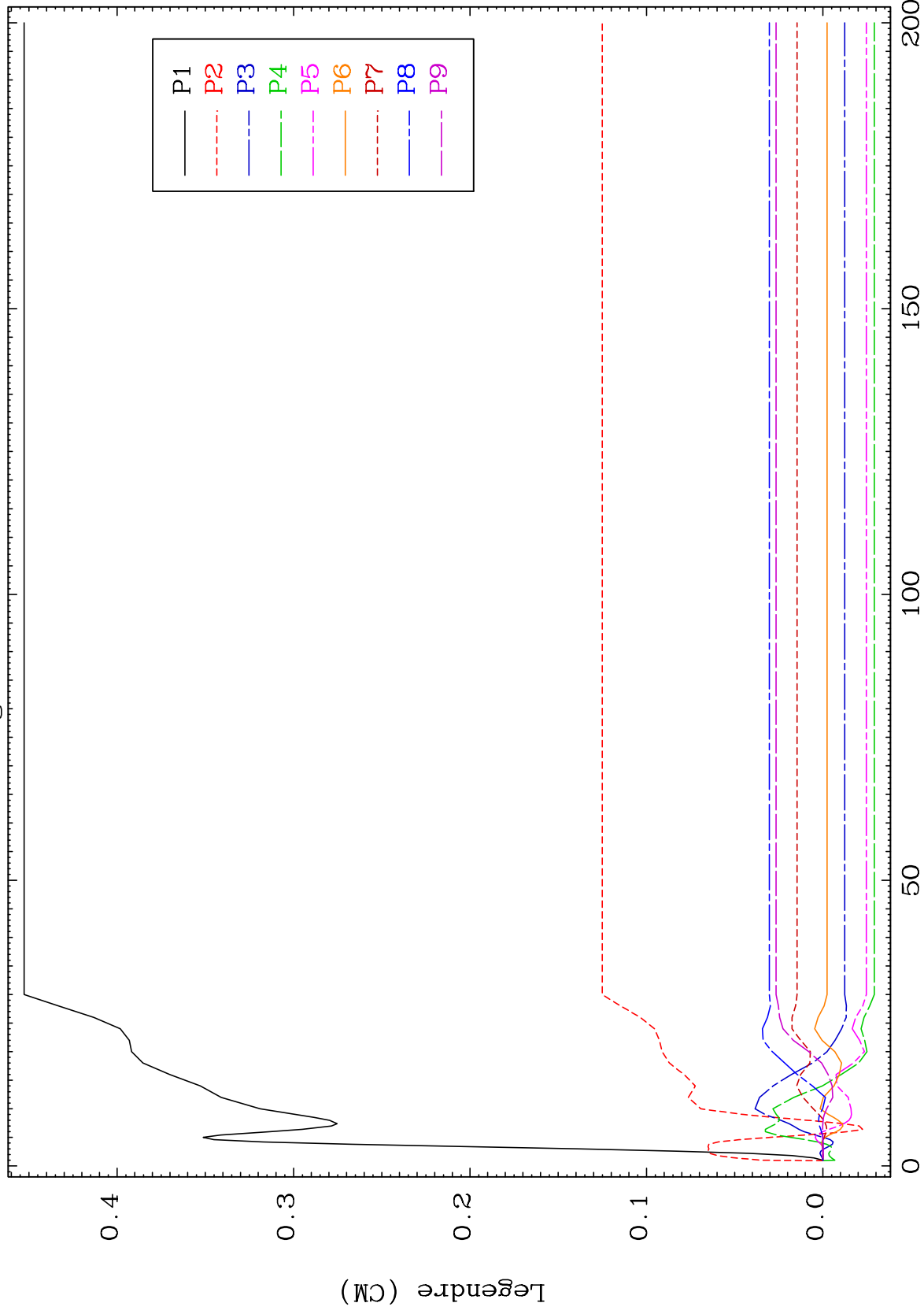
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



129

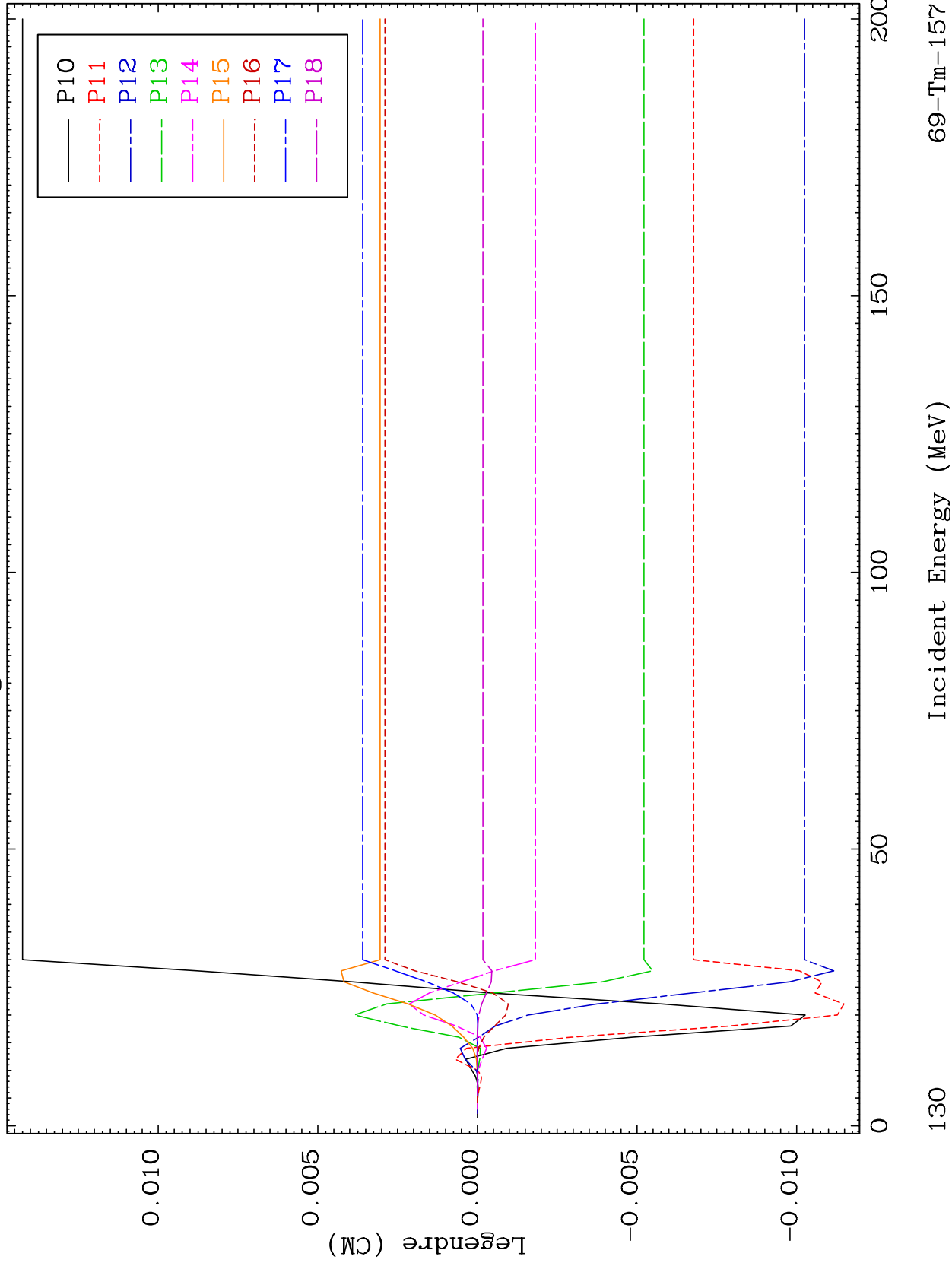
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

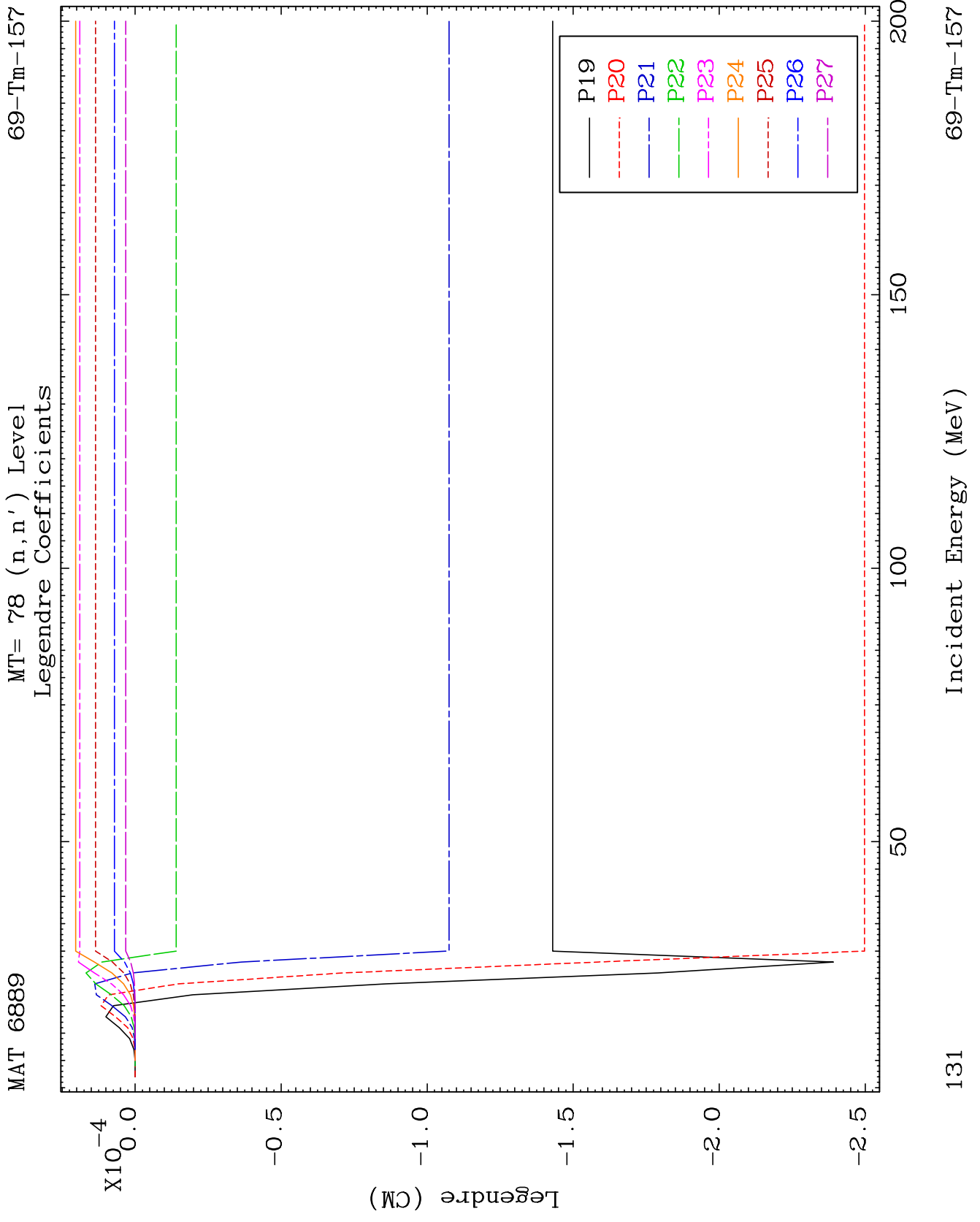
69-Tm-157



69-Tm-157

Incident Energy (MeV)

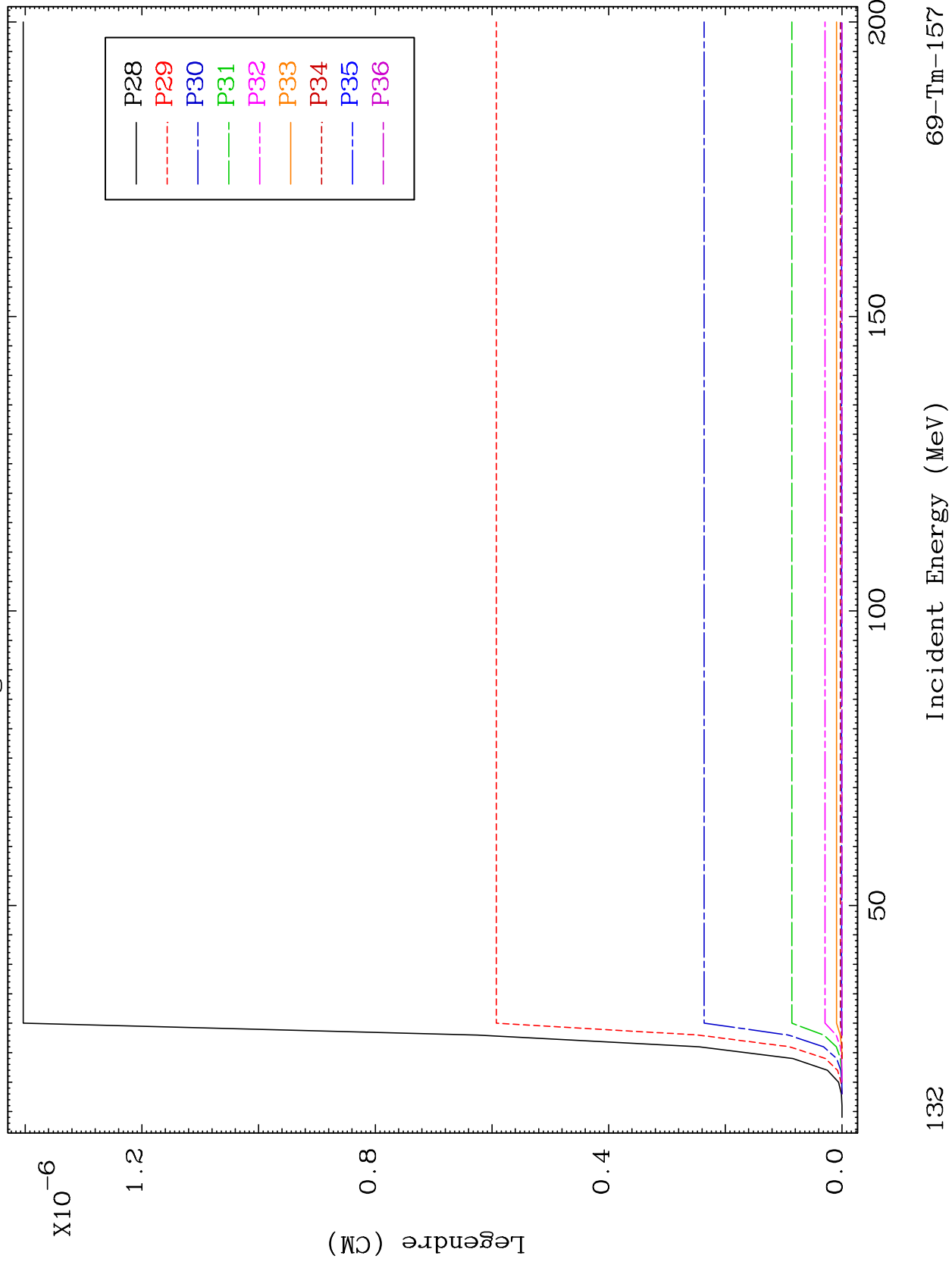
130



MAT 6889

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

69-Tm-157



132

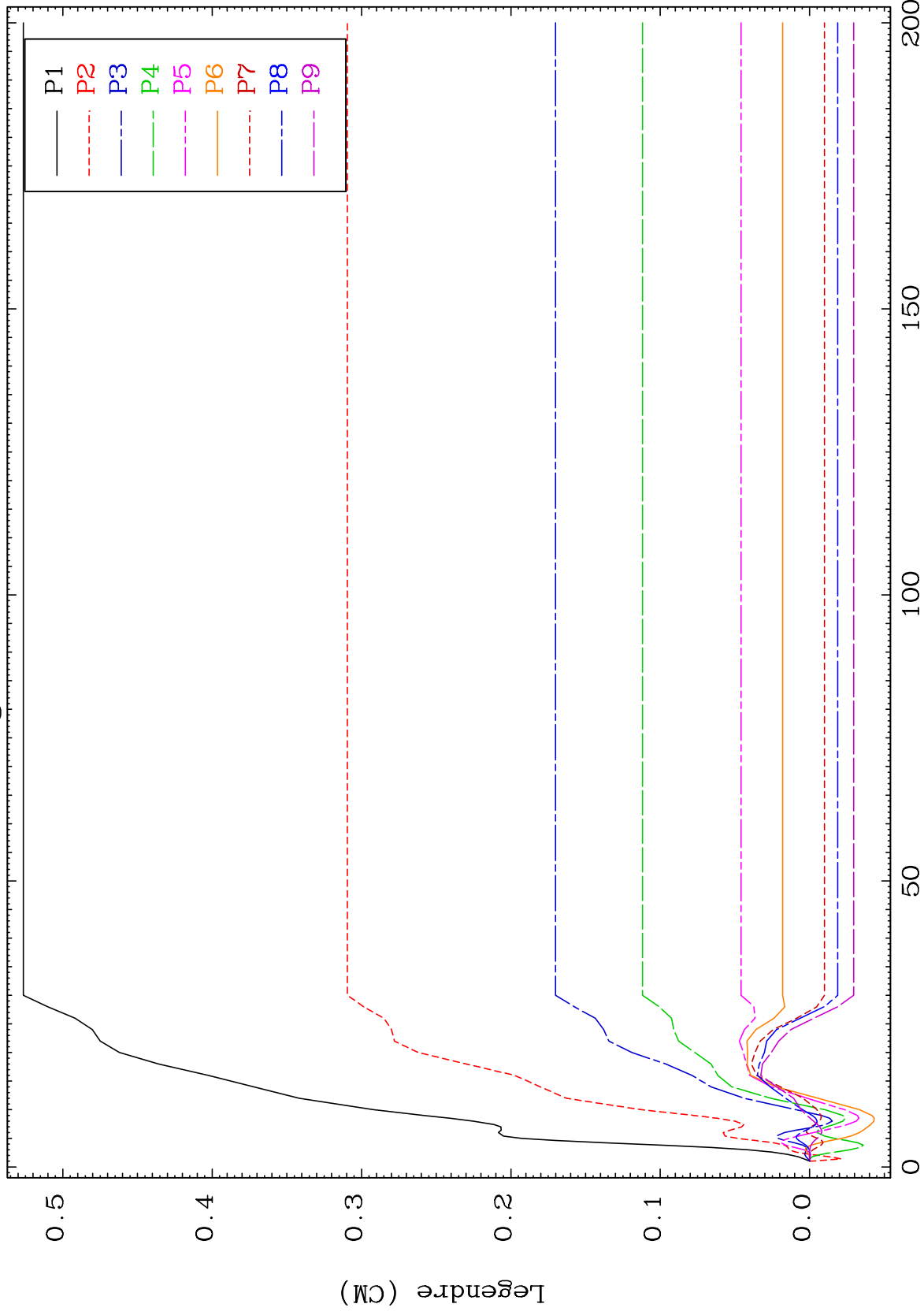
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



133

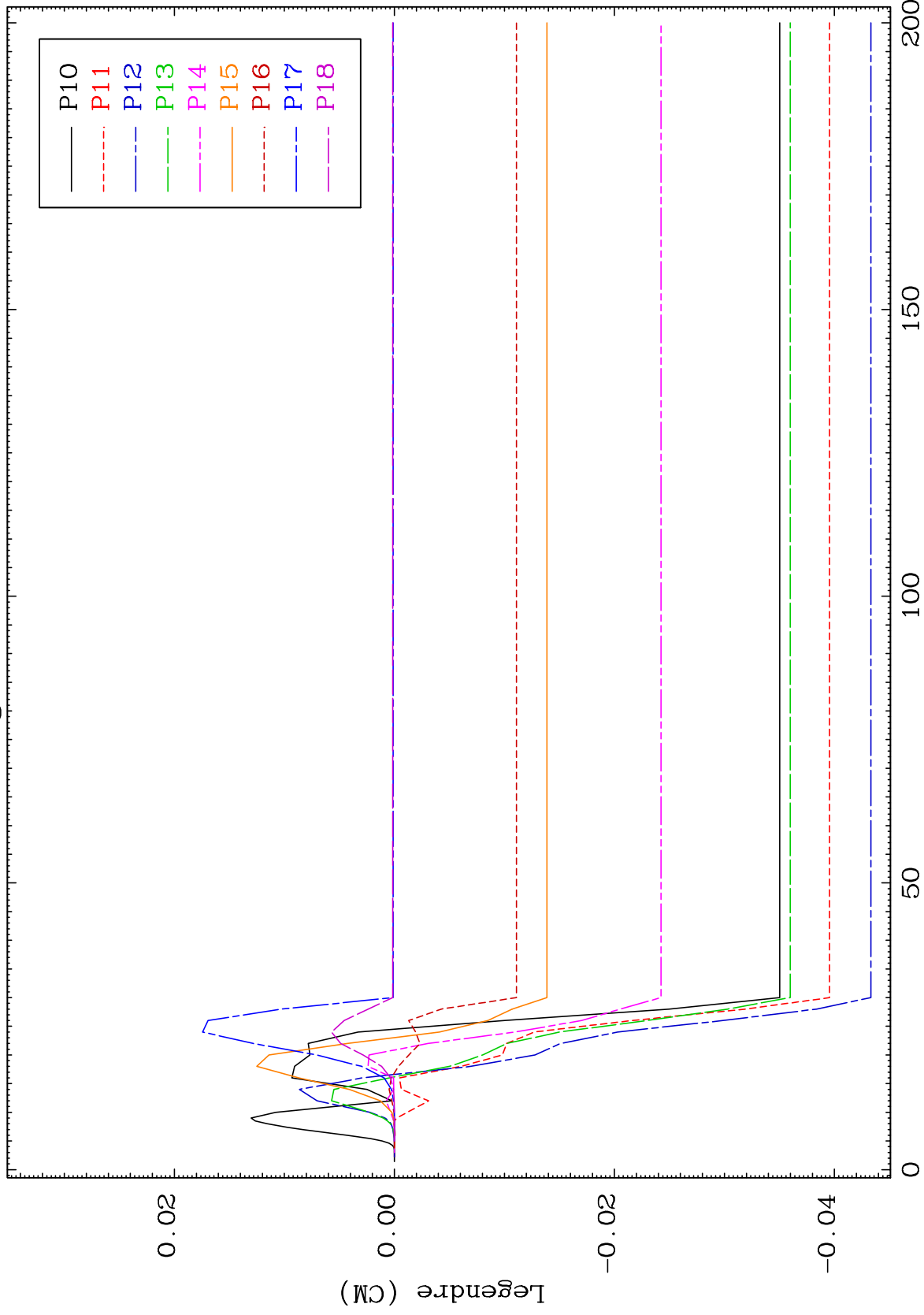
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



134

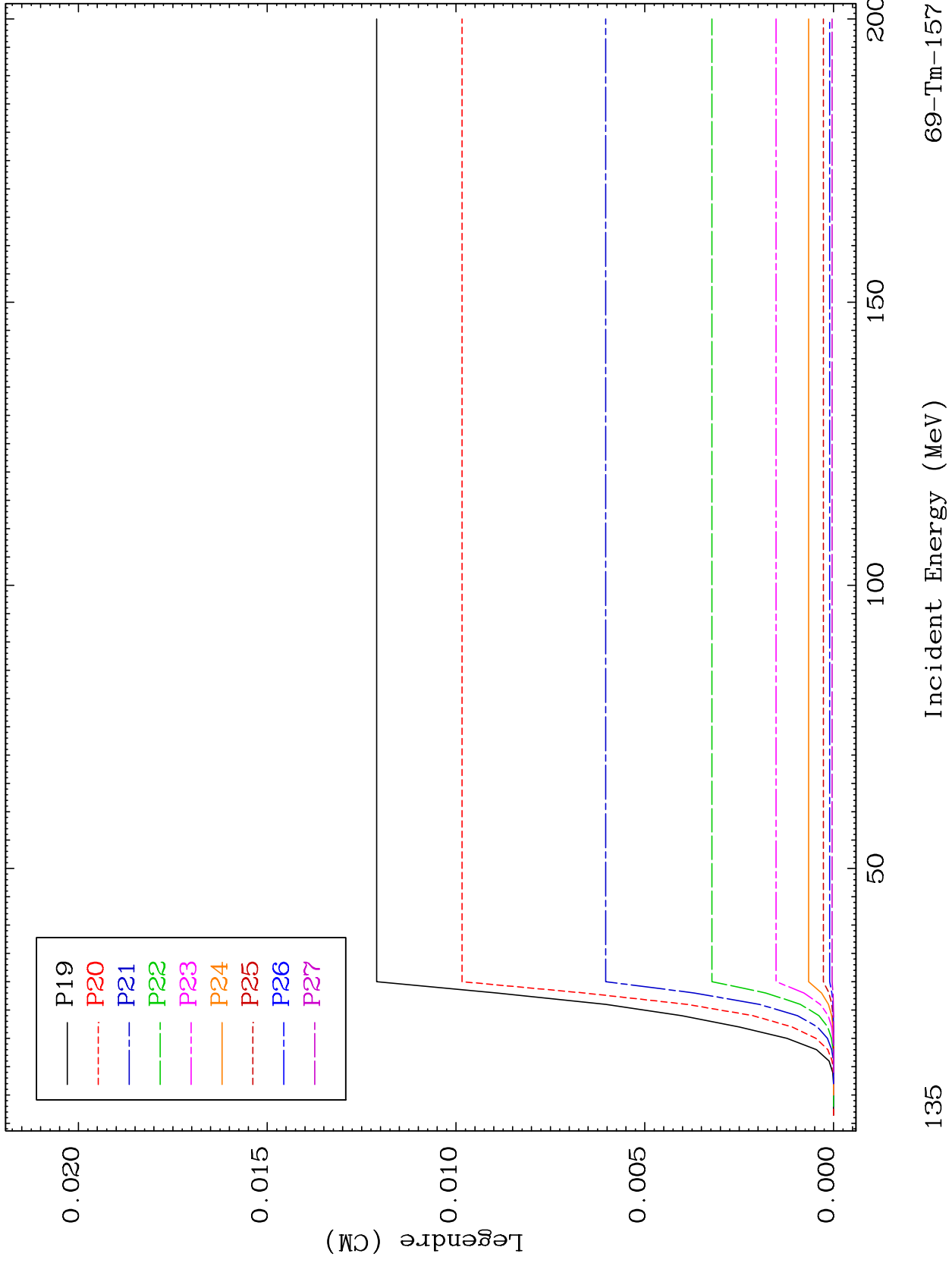
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



135

Incident Energy (MeV)

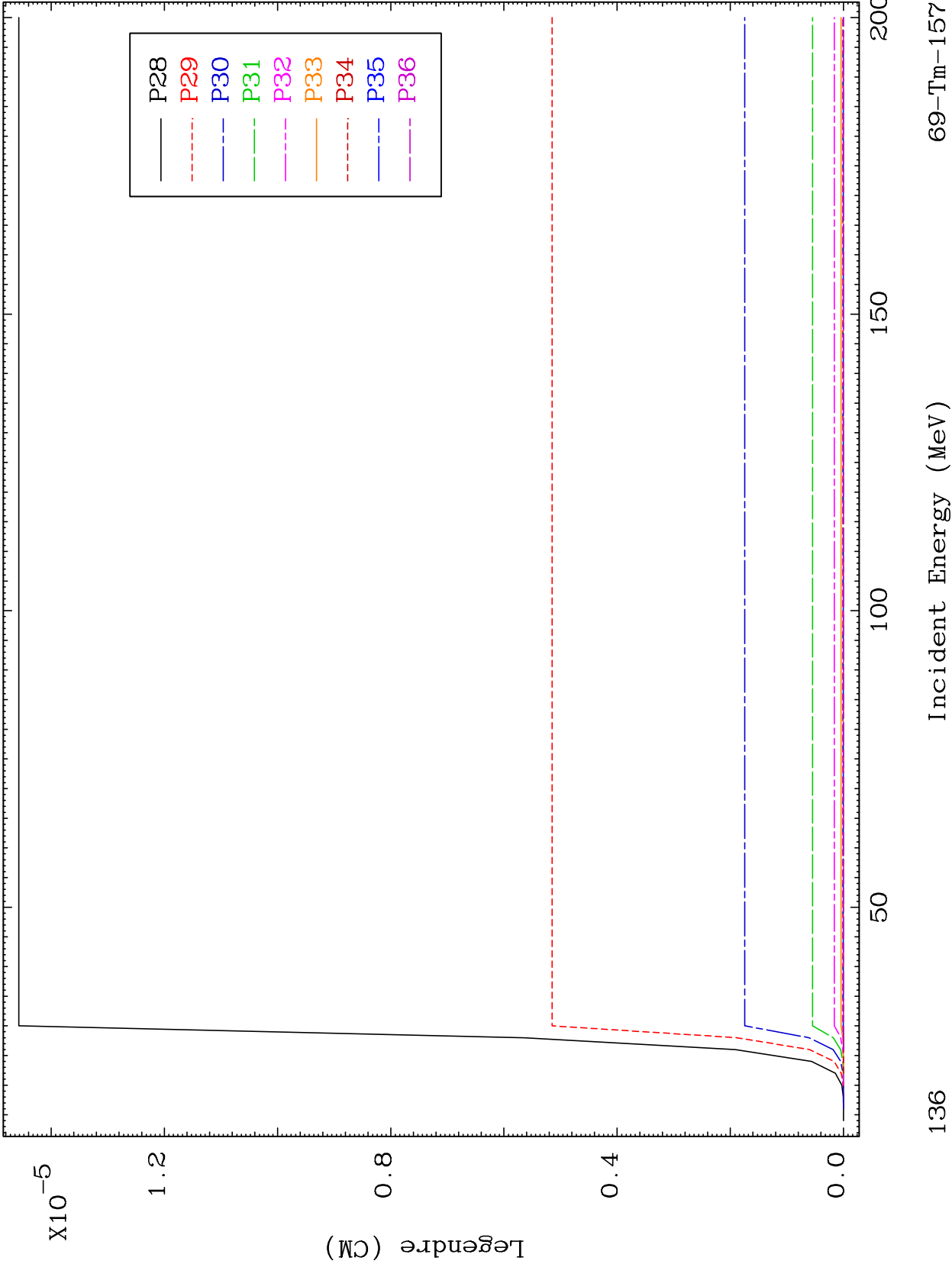
69-Tm-157



MAT 6889

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

69-Tm-157



136

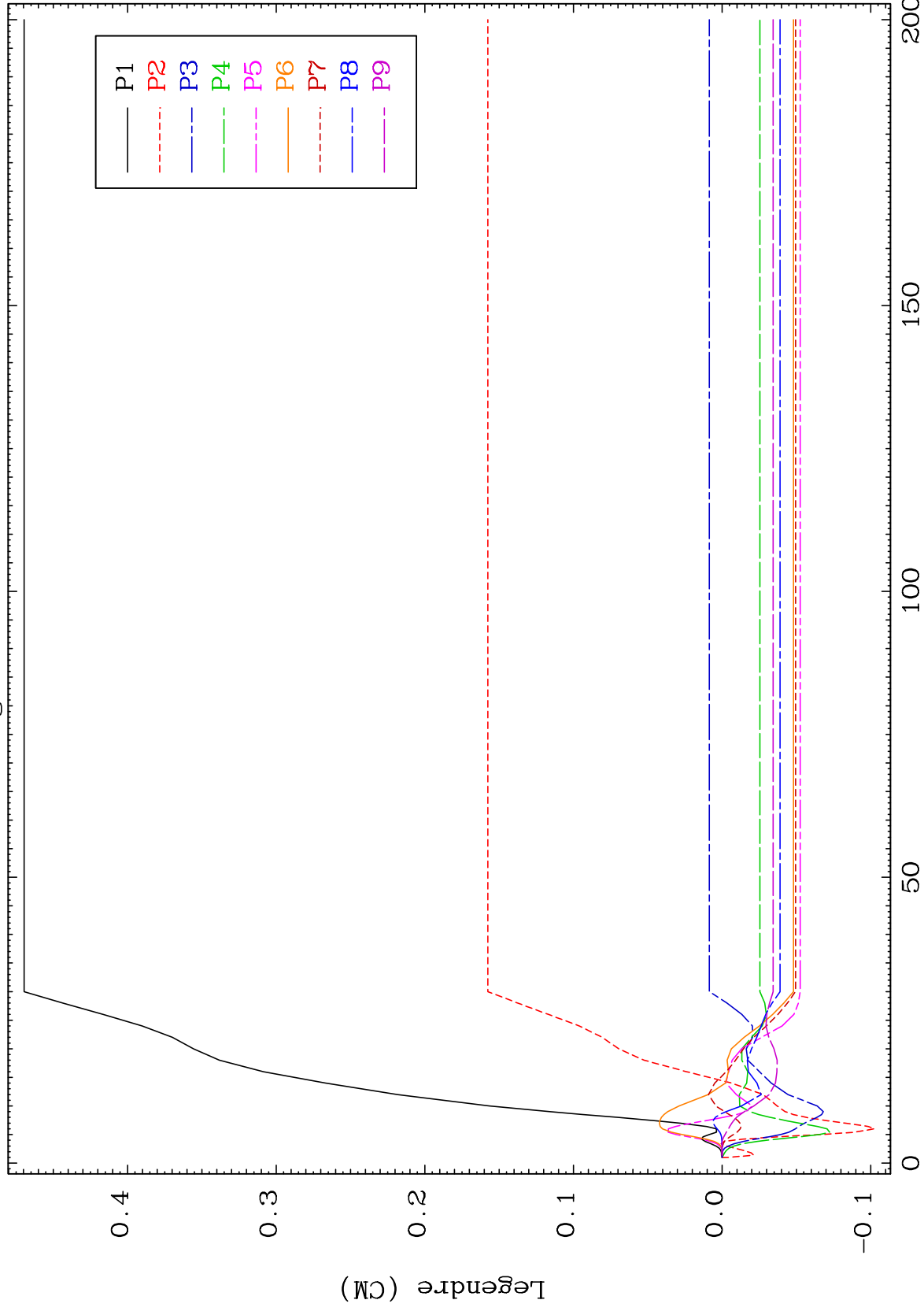
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



137

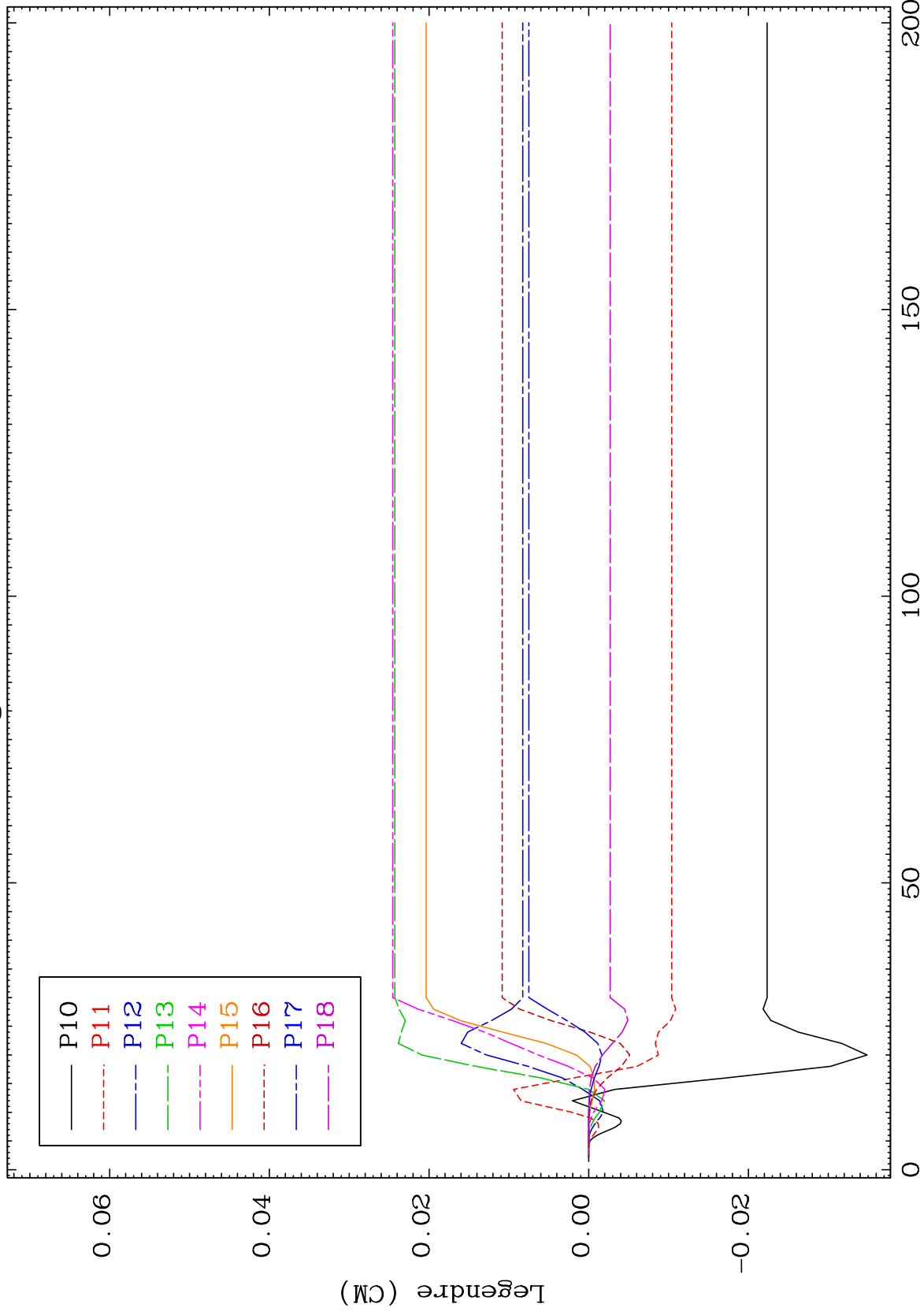
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

69-Tm-157



138

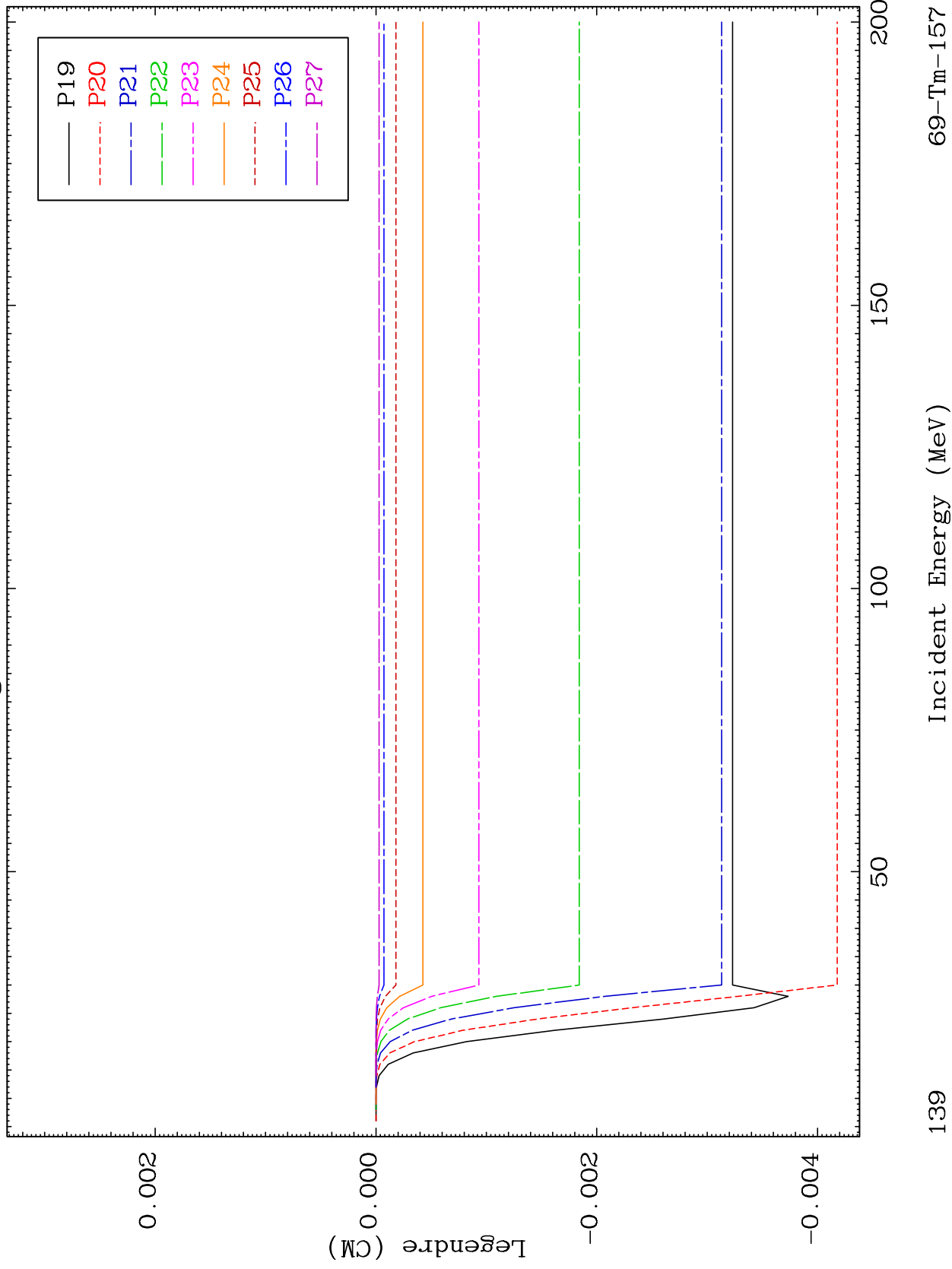
Incident Energy (MeV)

69-Tm-157

MAT 6889

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

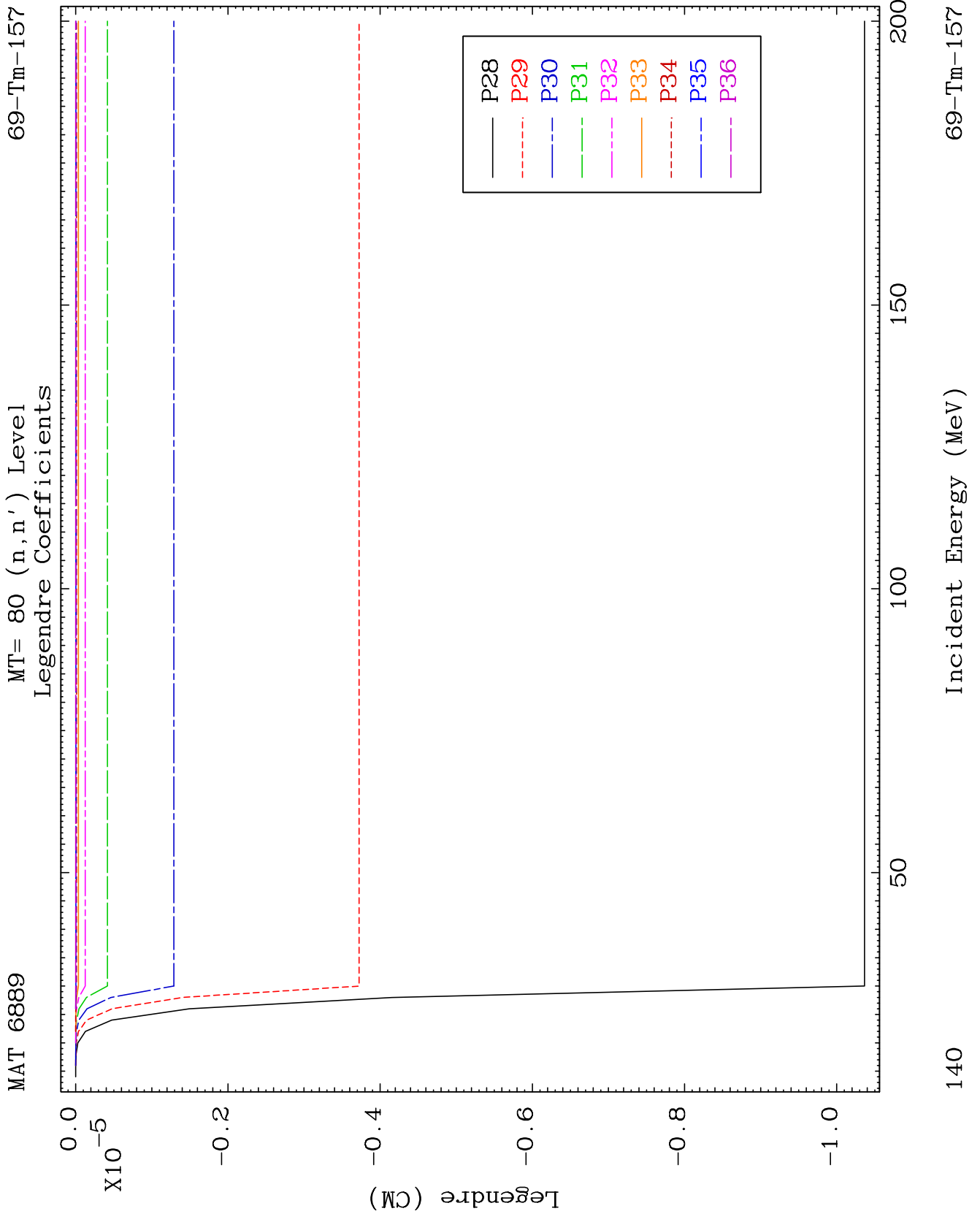
69-Tm-157



139

Incident Energy (MeV)

69-Tm-157

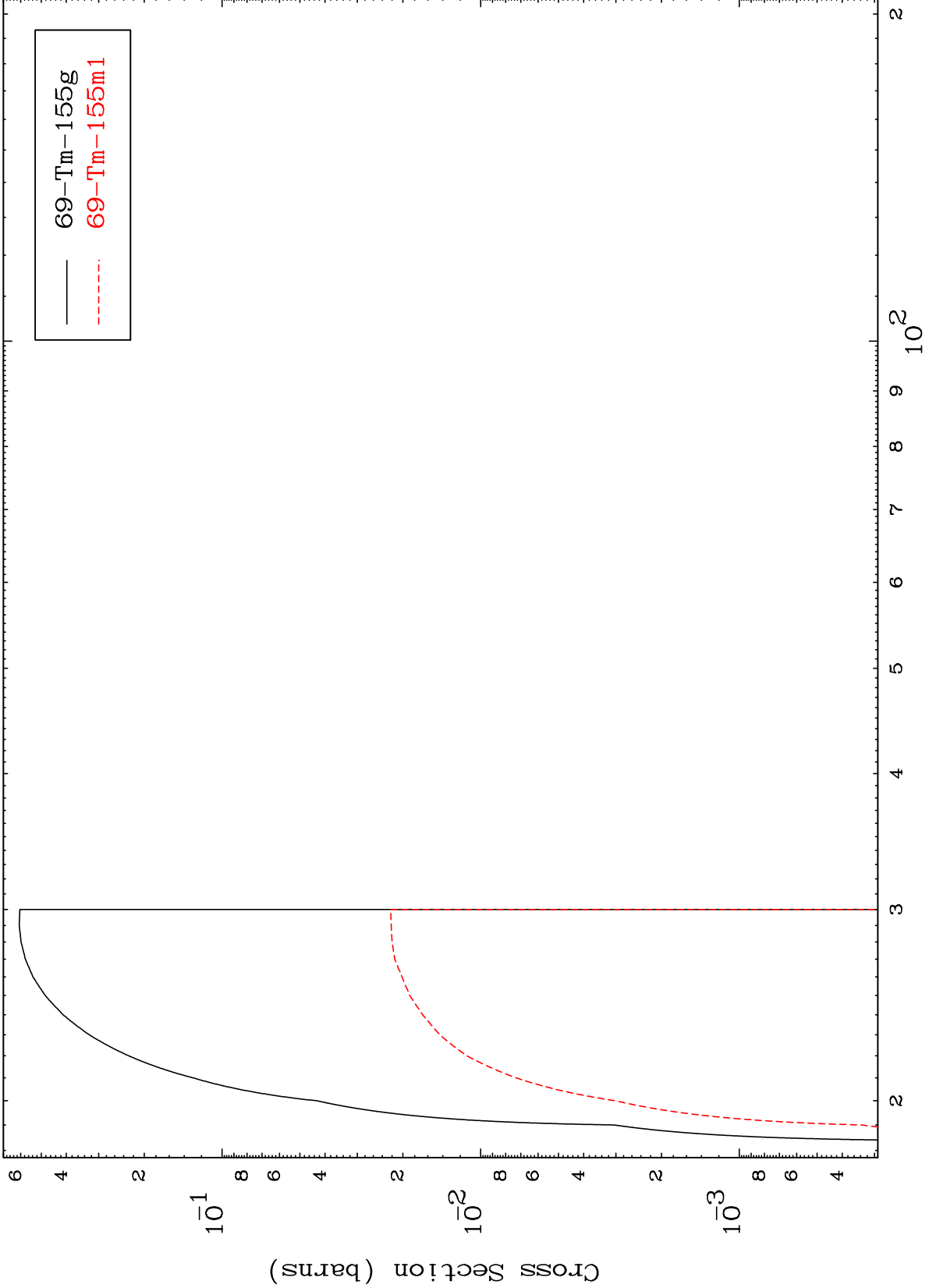


MAT 6889

(n,3n)

69-Tm-157

Radionuclide Production Cross Section



141

Incident Energy (MeV)

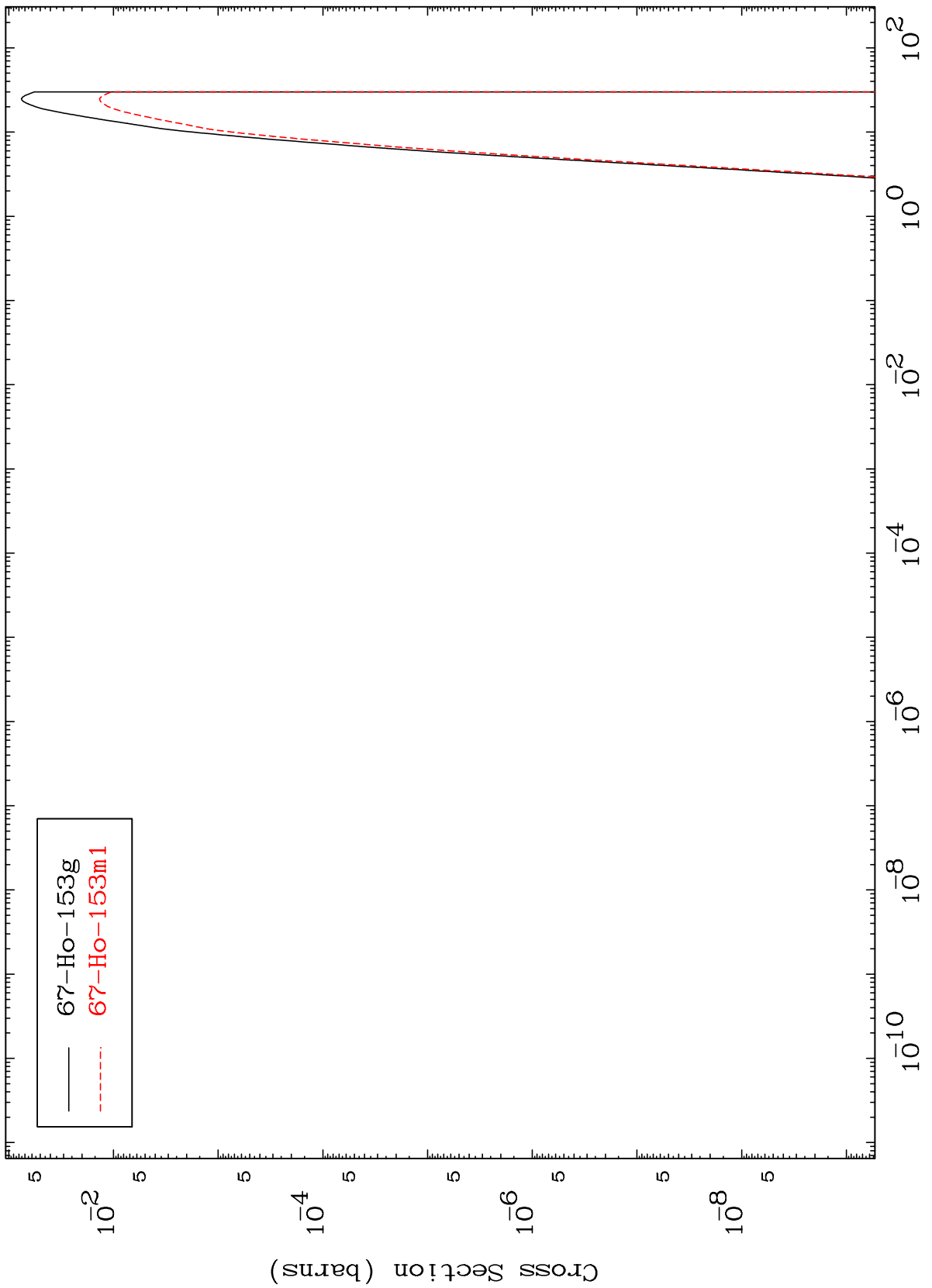
69-Tm-157

MAT 6889

$(n, n') \alpha$

$^{69}\text{Tm-157}$

Radionuclide Production Cross Section



142

Incident Energy (MeV)

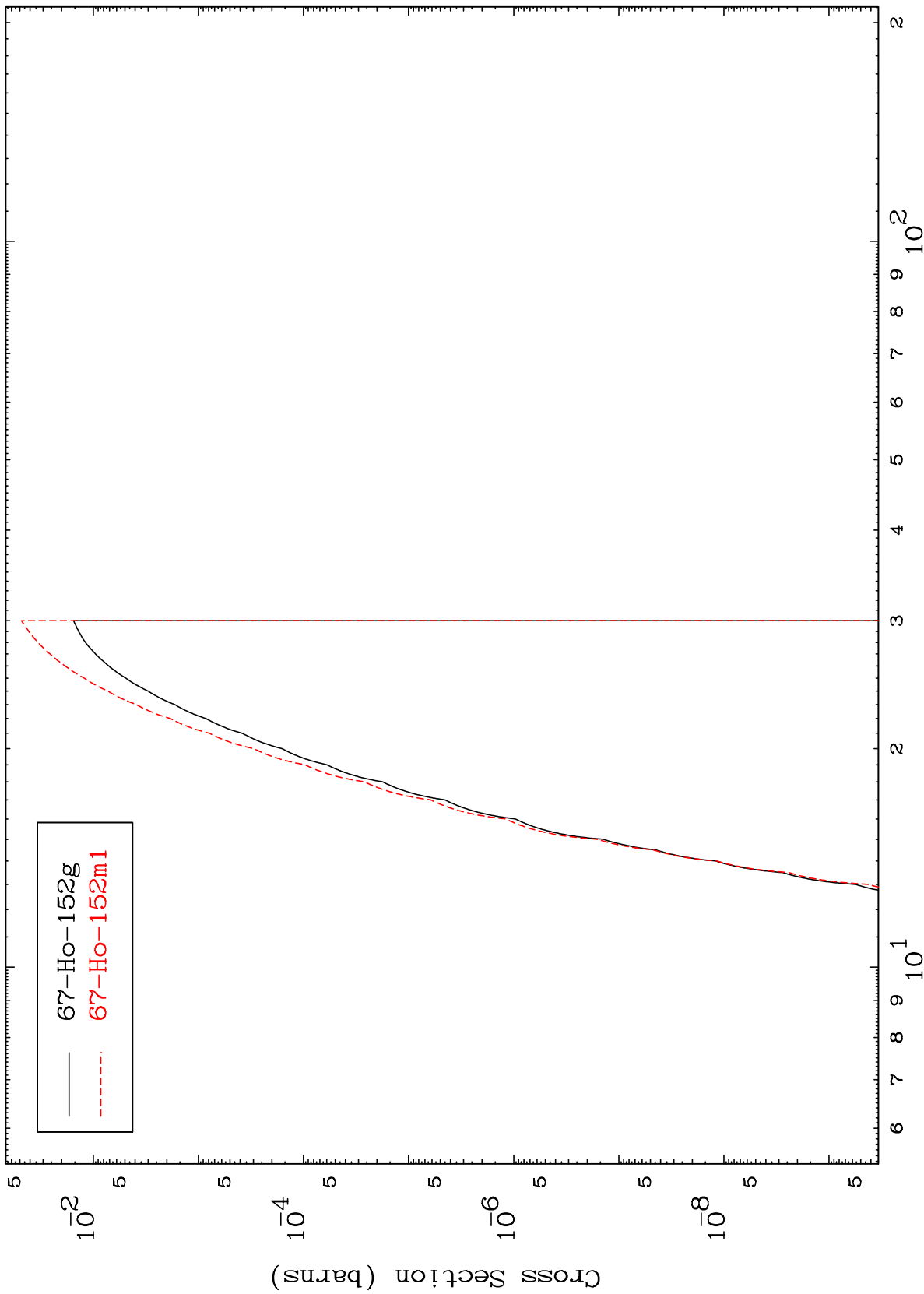
$^{69}\text{Tm-157}$

MAT 6889

$(n,2n) \alpha$

69-Tm-157

Radionuclide Production Cross Section



143

Incident Energy (MeV)

69-Tm-157

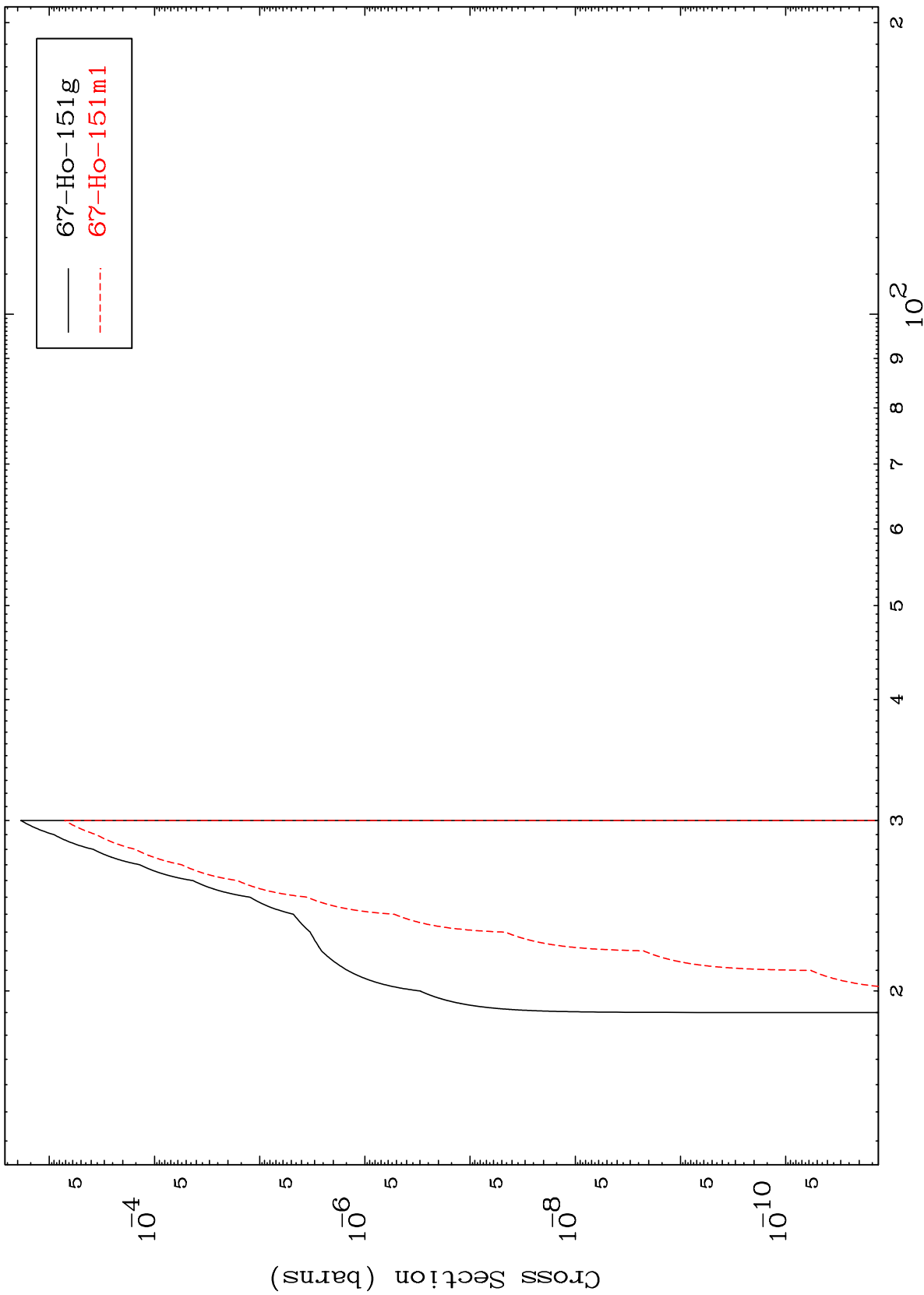


MAT 6889

(n,3n)  $\alpha$

69-Tm-157

Radionuclide Production Cross Section



144

Incident Energy (MeV)

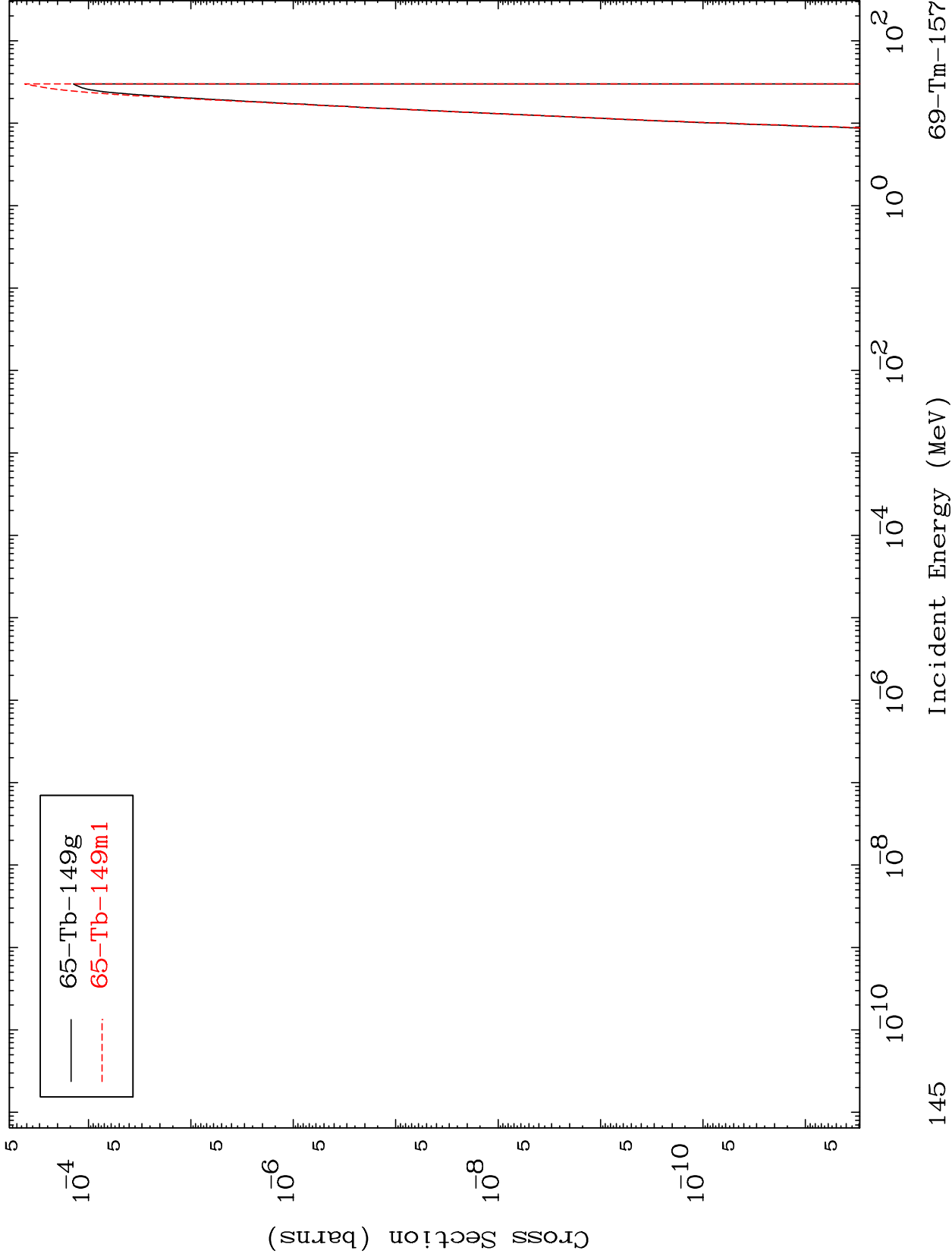
69-Tm-157

MAT 6889

(n,n') 2 $\alpha$

69-Tm-157

Radionuclide Production Cross Section



145

Incident Energy (MeV)

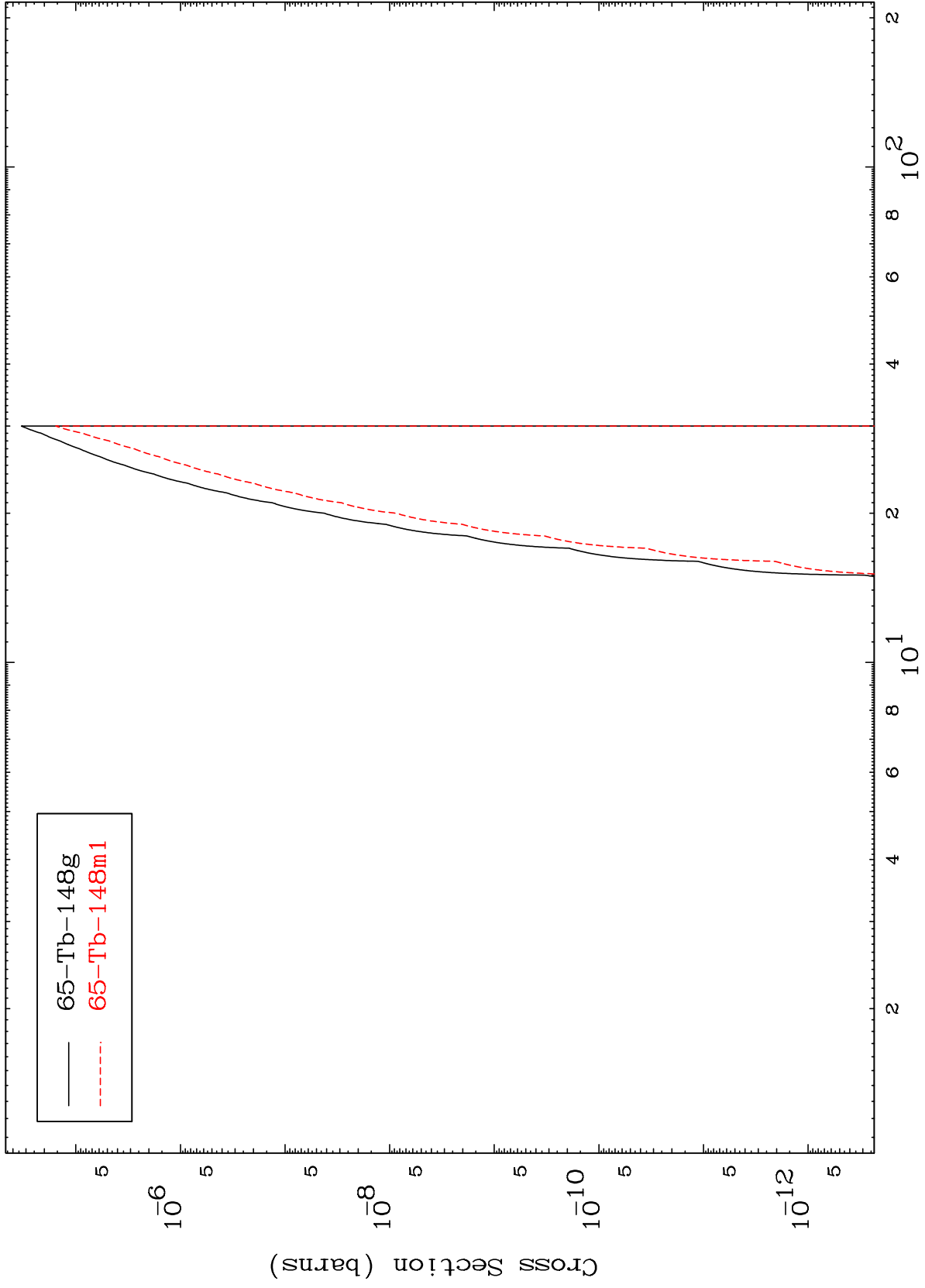
69-Tm-157

MAT 6889

(n,2n) 2α

69-Tm-157

Radionuclide Production Cross Section



146

Incident Energy (MeV)

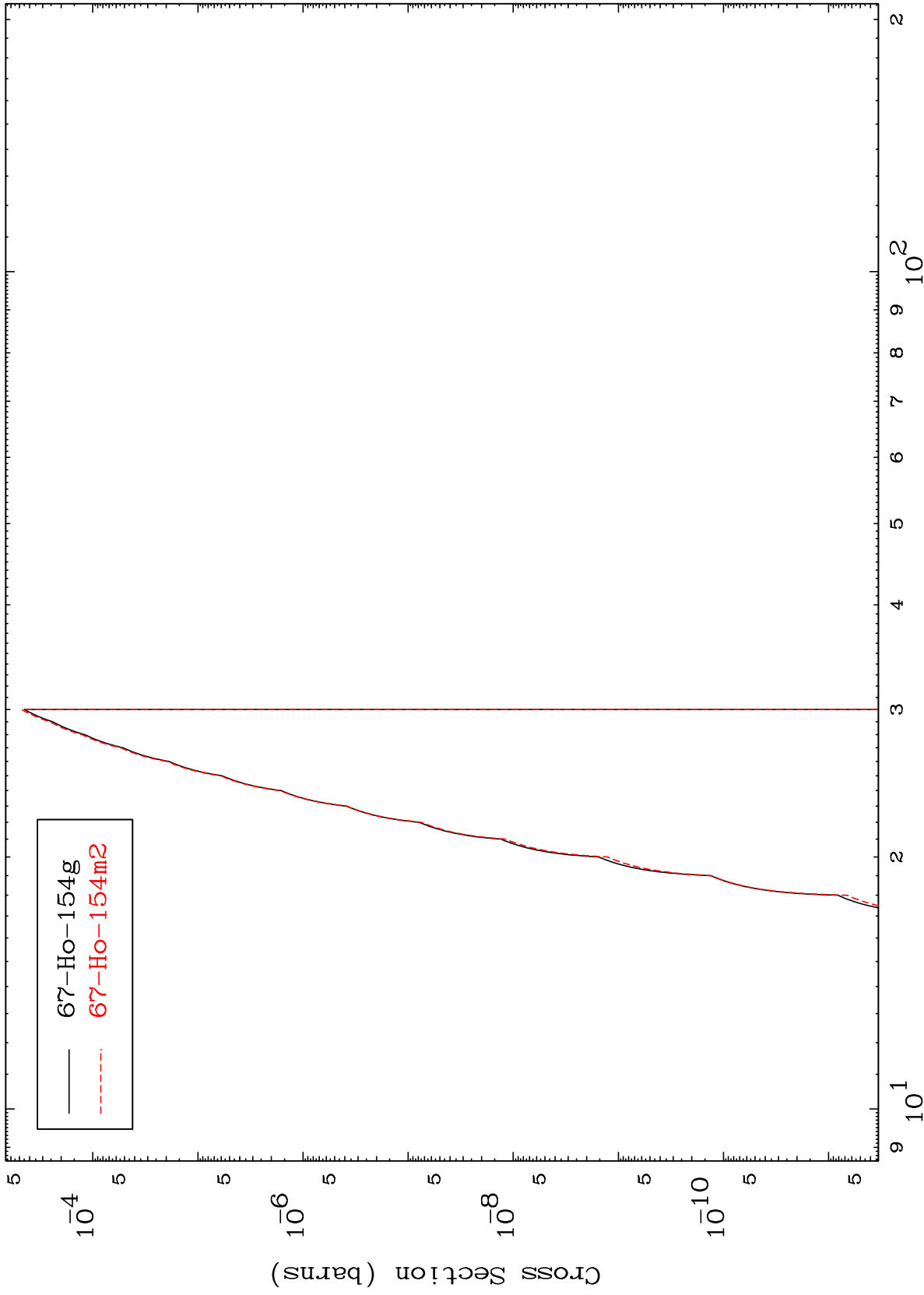
69-Tm-157

MAT 6889

(n,n') He-3

69-Tm-157

Radionuclide Production Cross Section



147

Incident Energy (MeV)

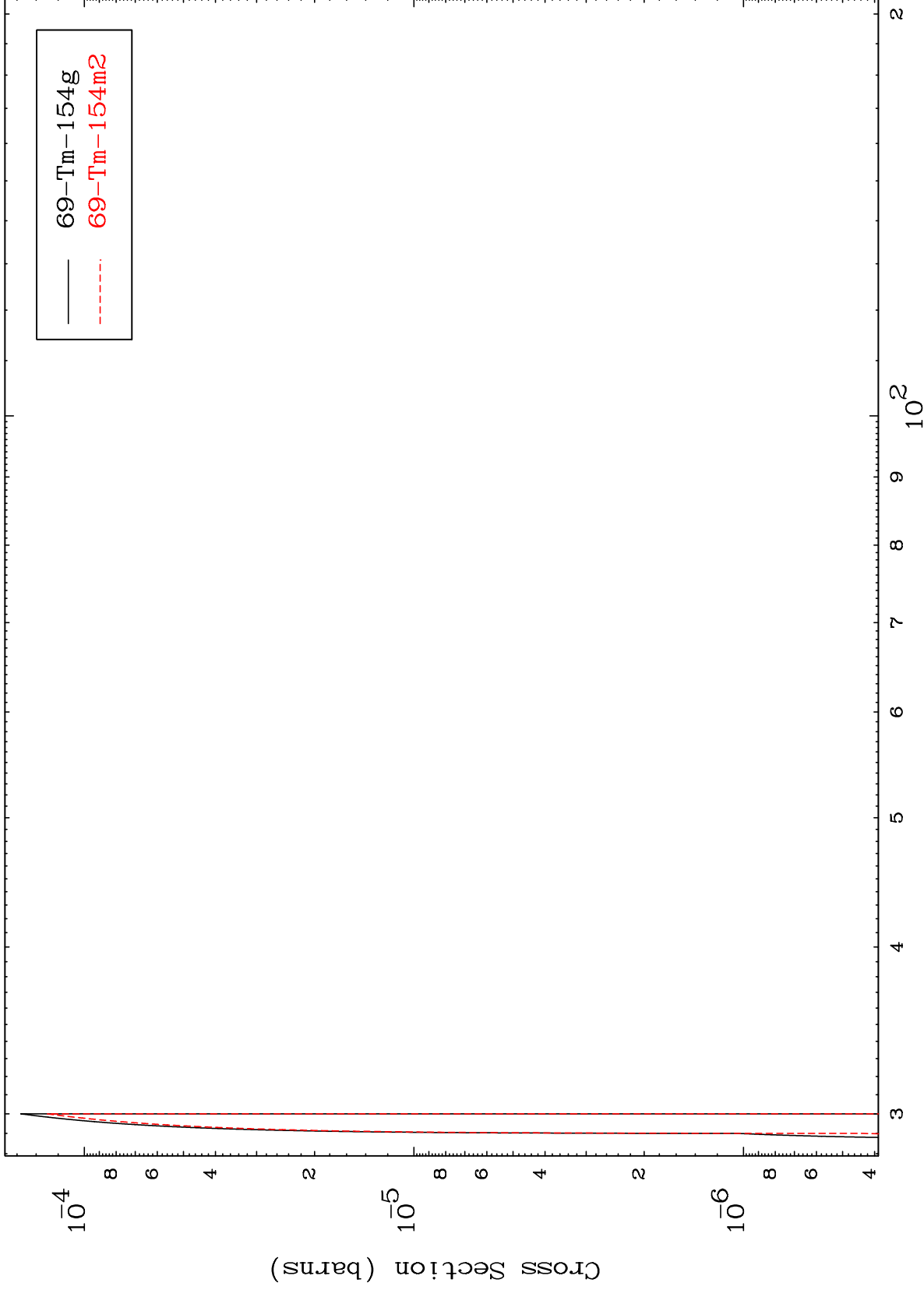
69-Tm-157

MAT 6889

(n,4n)

69-Tm-157

Radionuclide Production Cross Section



69-Tm-154g  
69-Tm-154m2

148

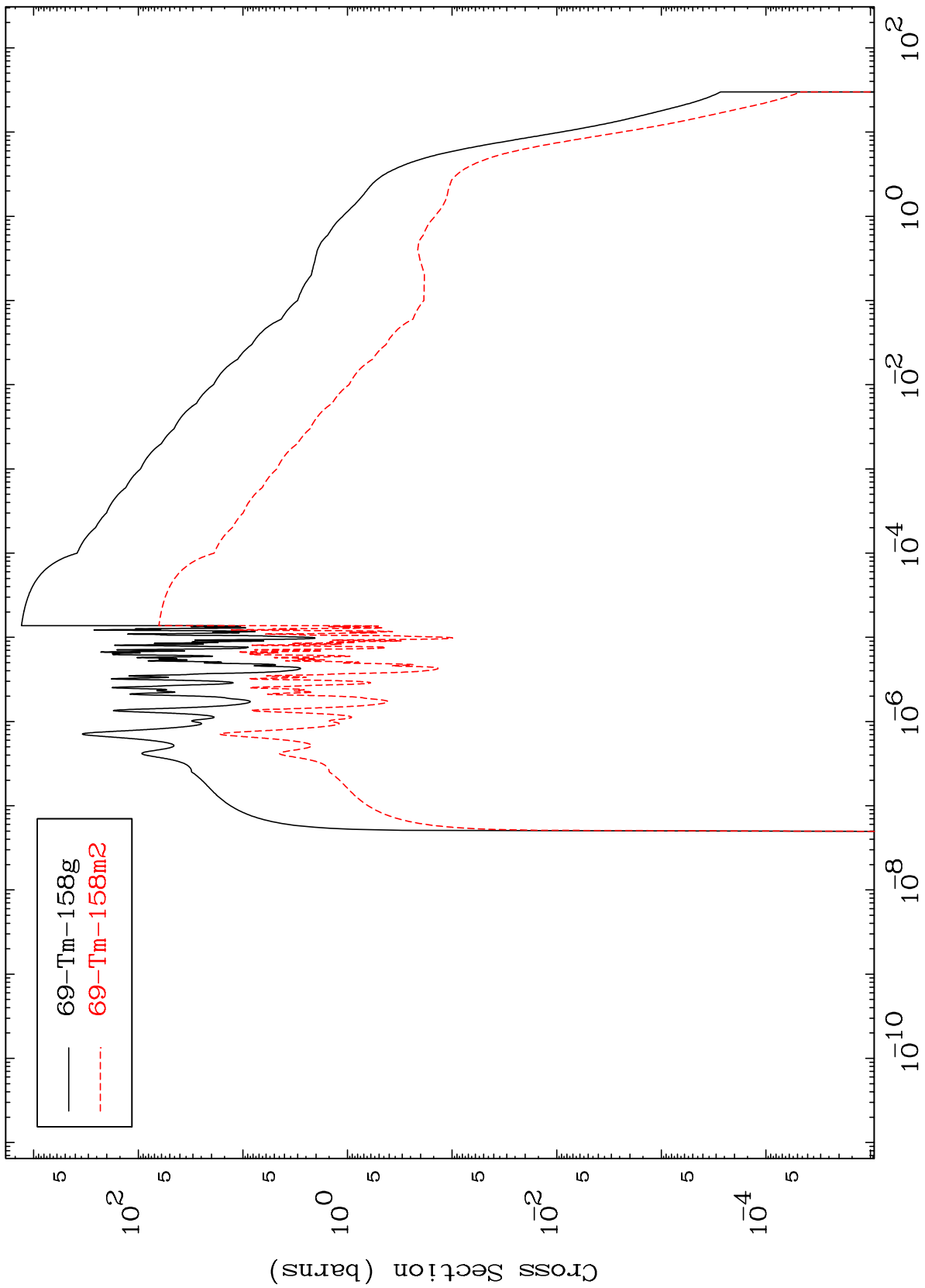
Incident Energy (MeV)

69-Tm-157

MAT 6889

69-Tm-157

Radionuclide Production Cross Section  
(n,γ)



149

69-Tm-157

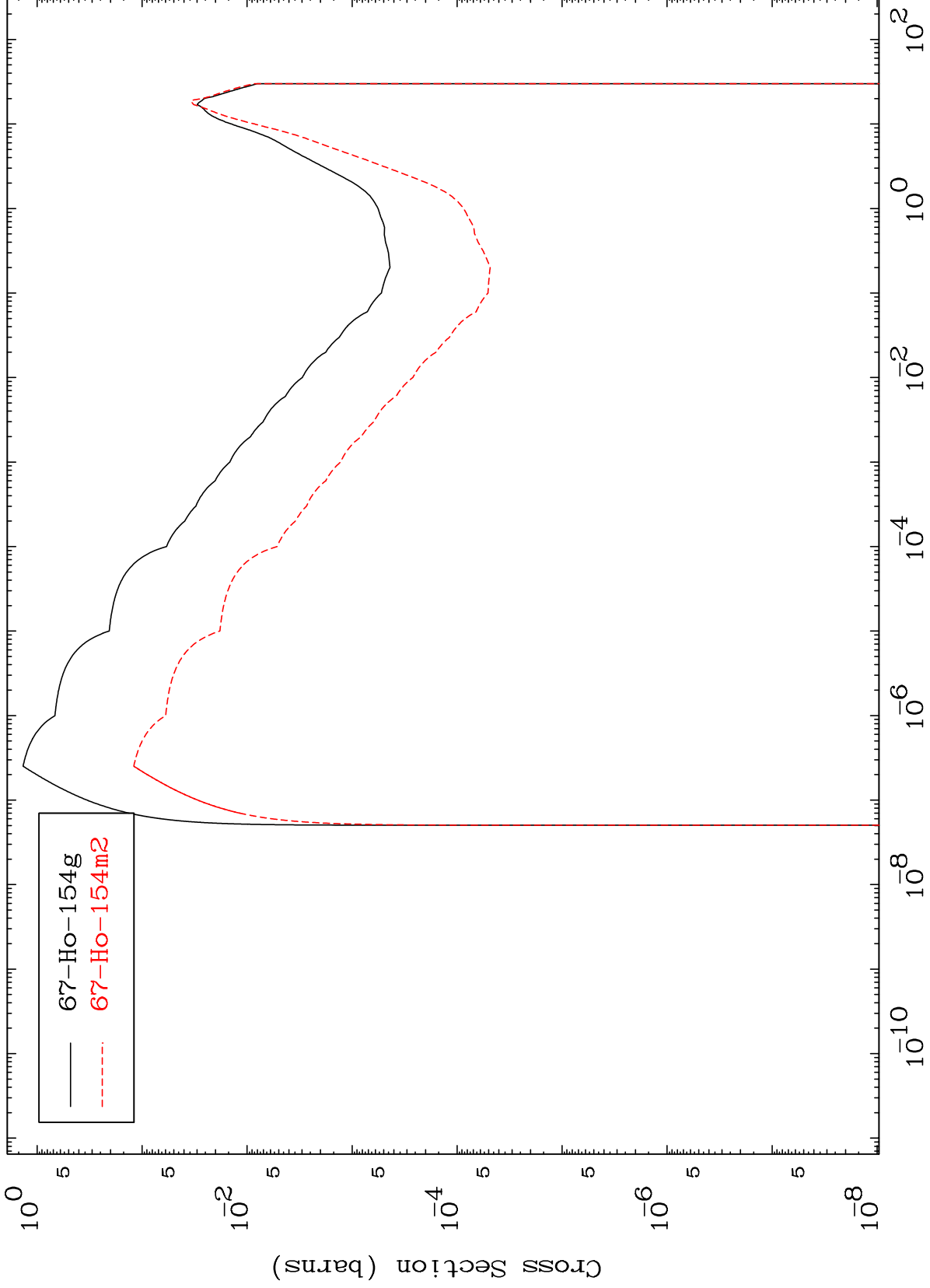
Incident Energy (MeV)

MAT 6889

(n,  $\alpha$ )

69-Tm-157

Radionuclide Production Cross Section



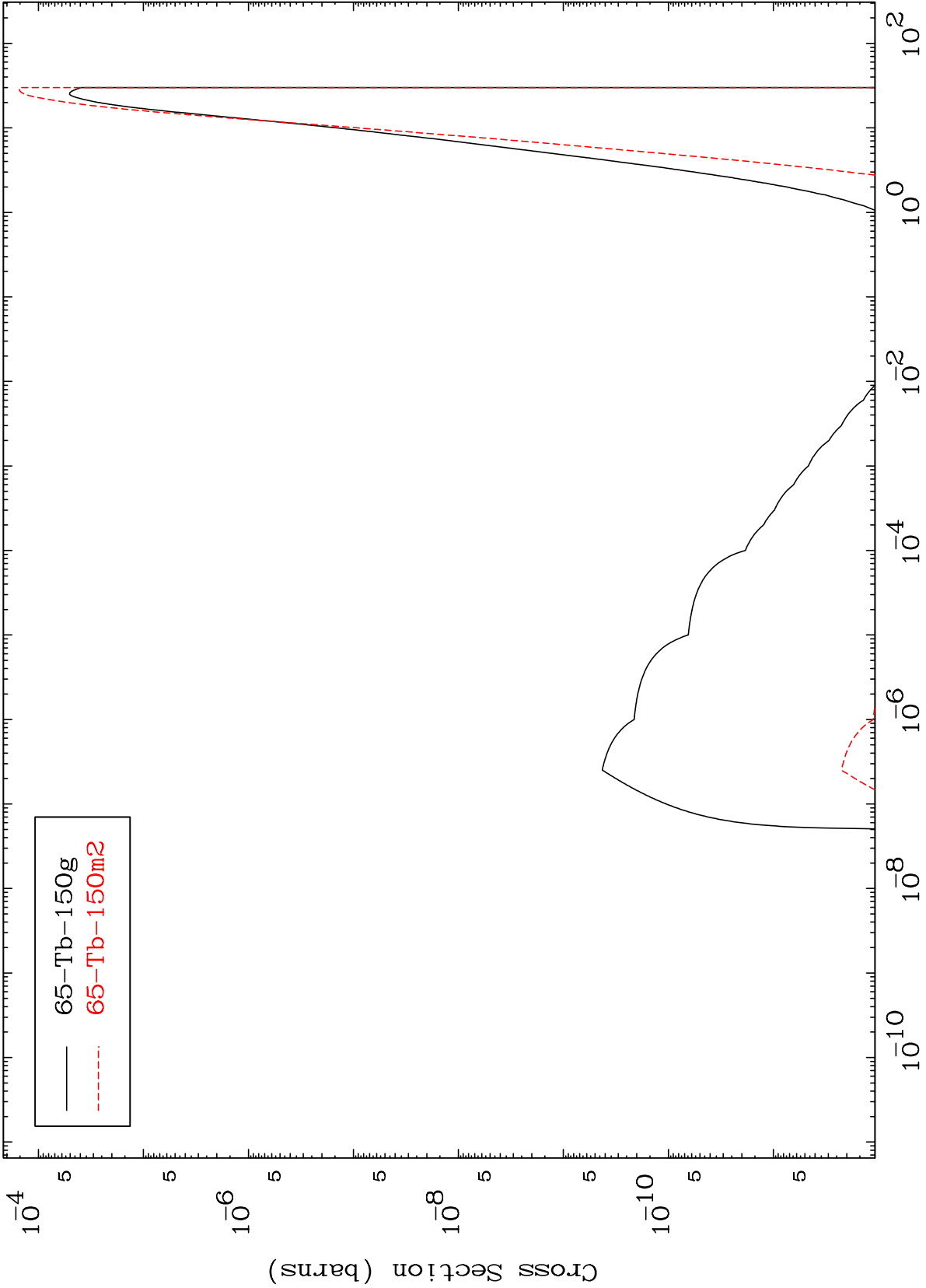
— 67-Ho-154g  
- - - 67-Ho-154m2

MAT 6889

(n,2α)

69-Tm-157

Radionuclide Production Cross Section



151

Incident Energy (MeV)

69-Tm-157

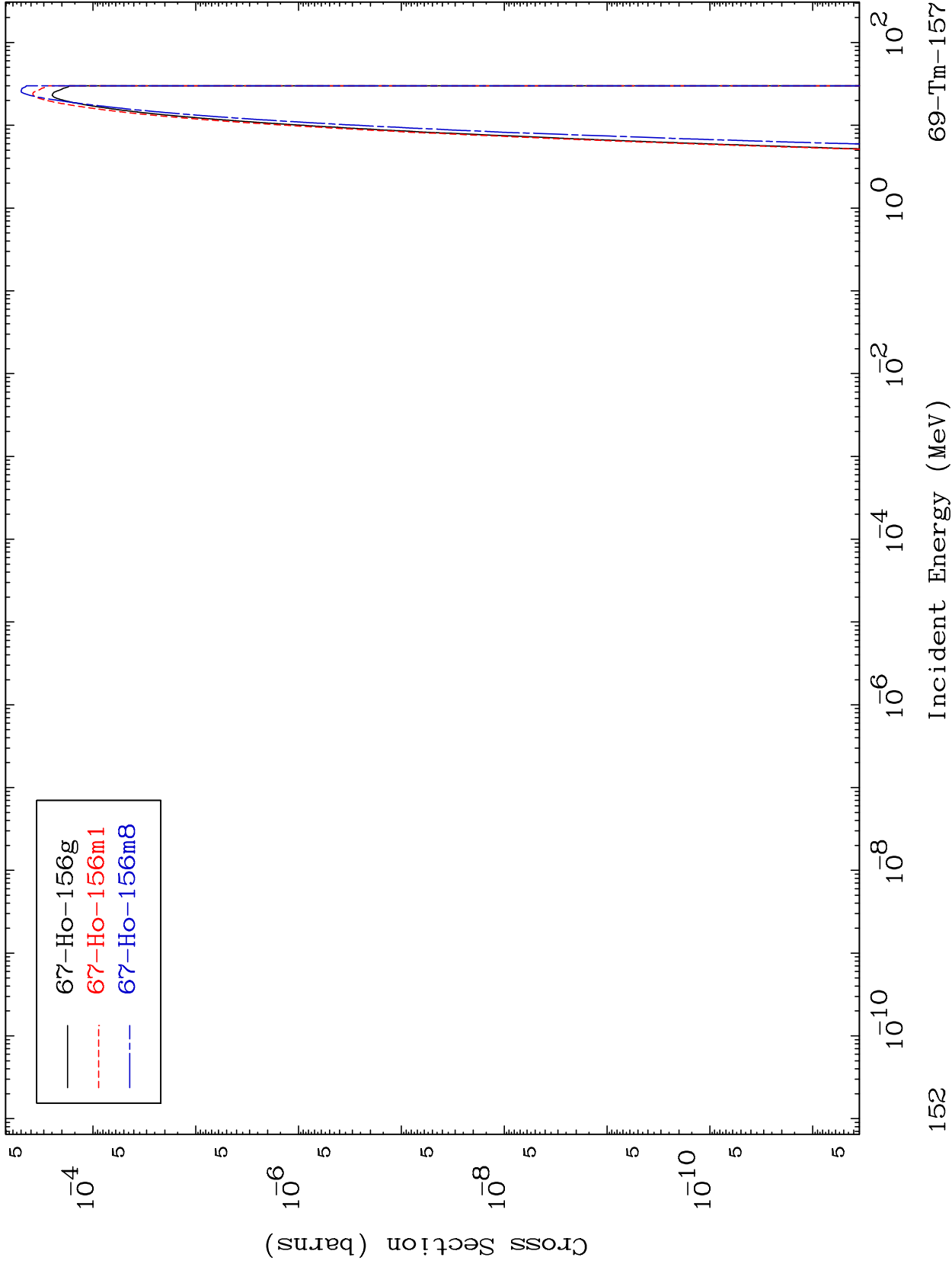


MAT 6889

(n,2p)

69-Tm-157

Radionuclide Production Cross Section

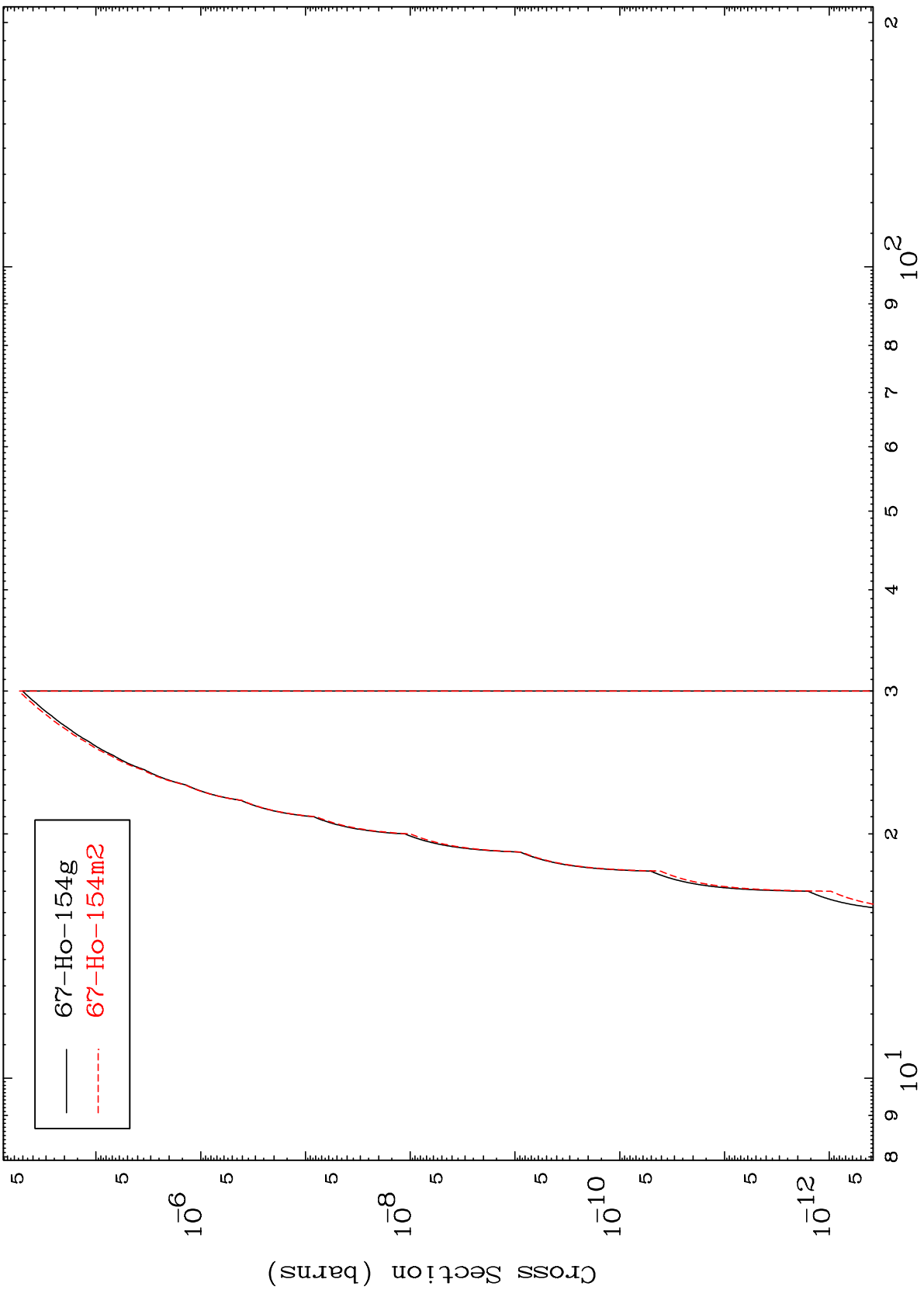


MAT 6889

(n,p) t

69-Tm-157

Radionuclide Production Cross Section



153

Incident Energy (MeV)

69-Tm-157