

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

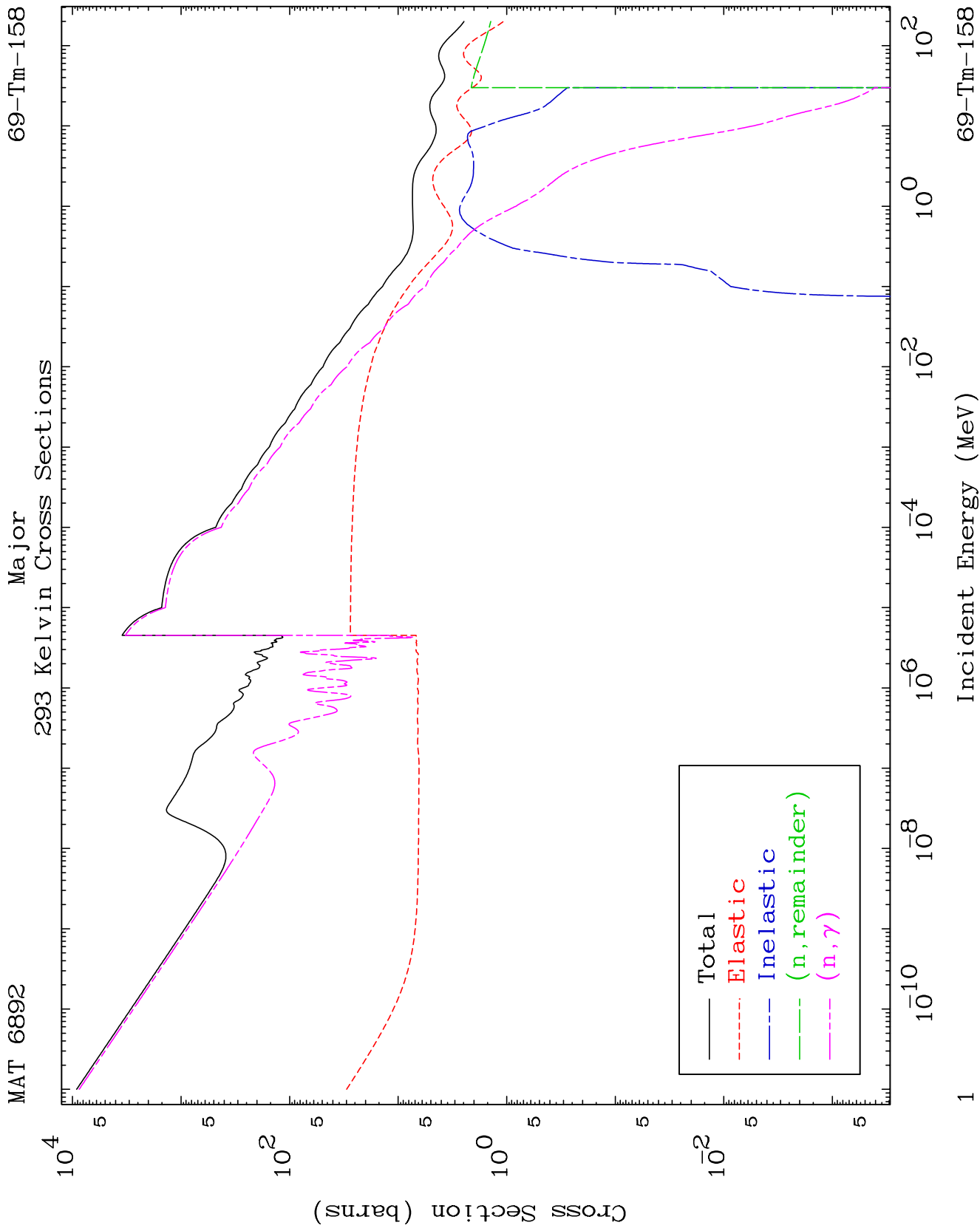
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

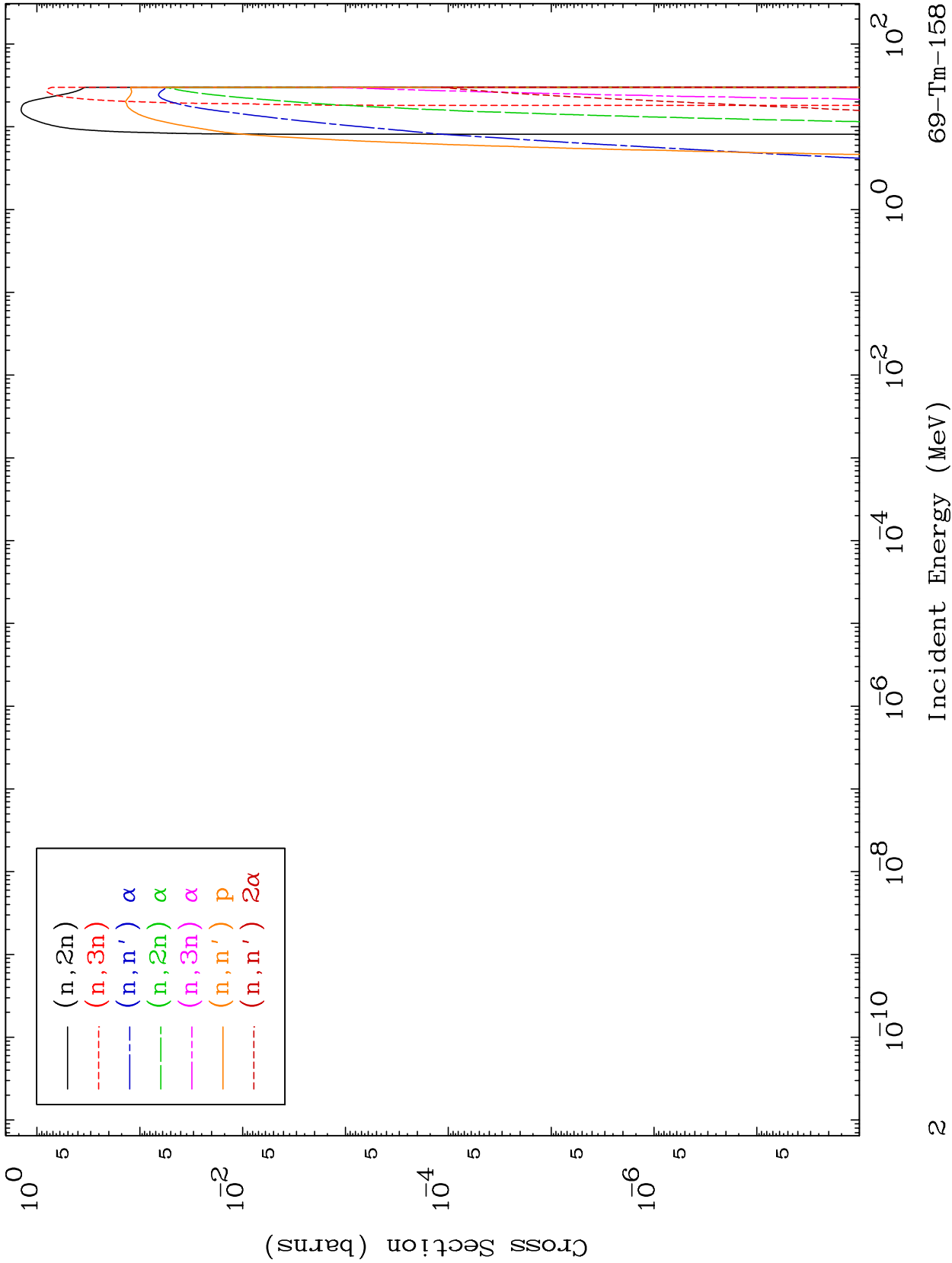
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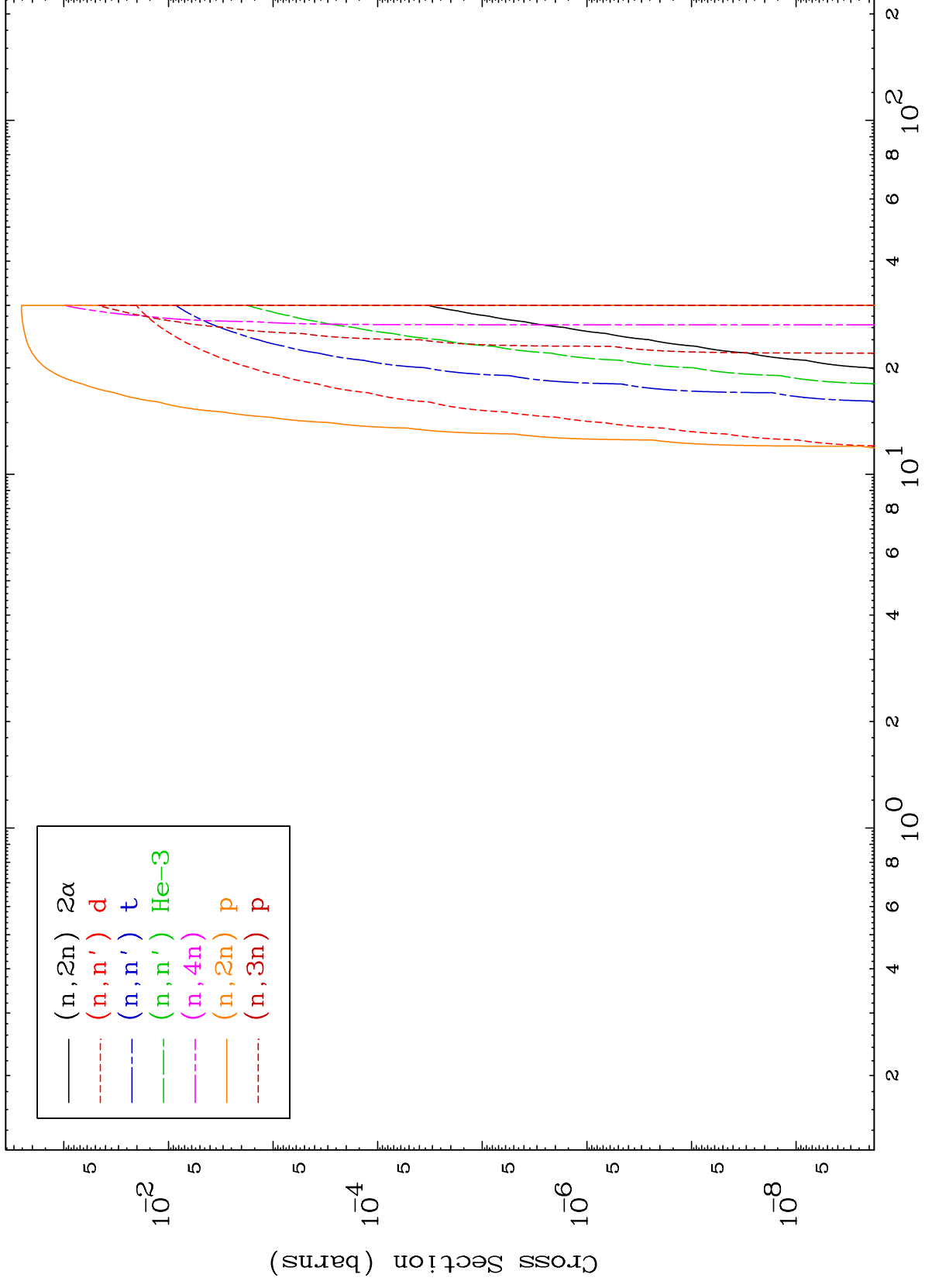


MAT 6892

Neutron Production  
293 Kelvin Cross Sections

69-Tm-158

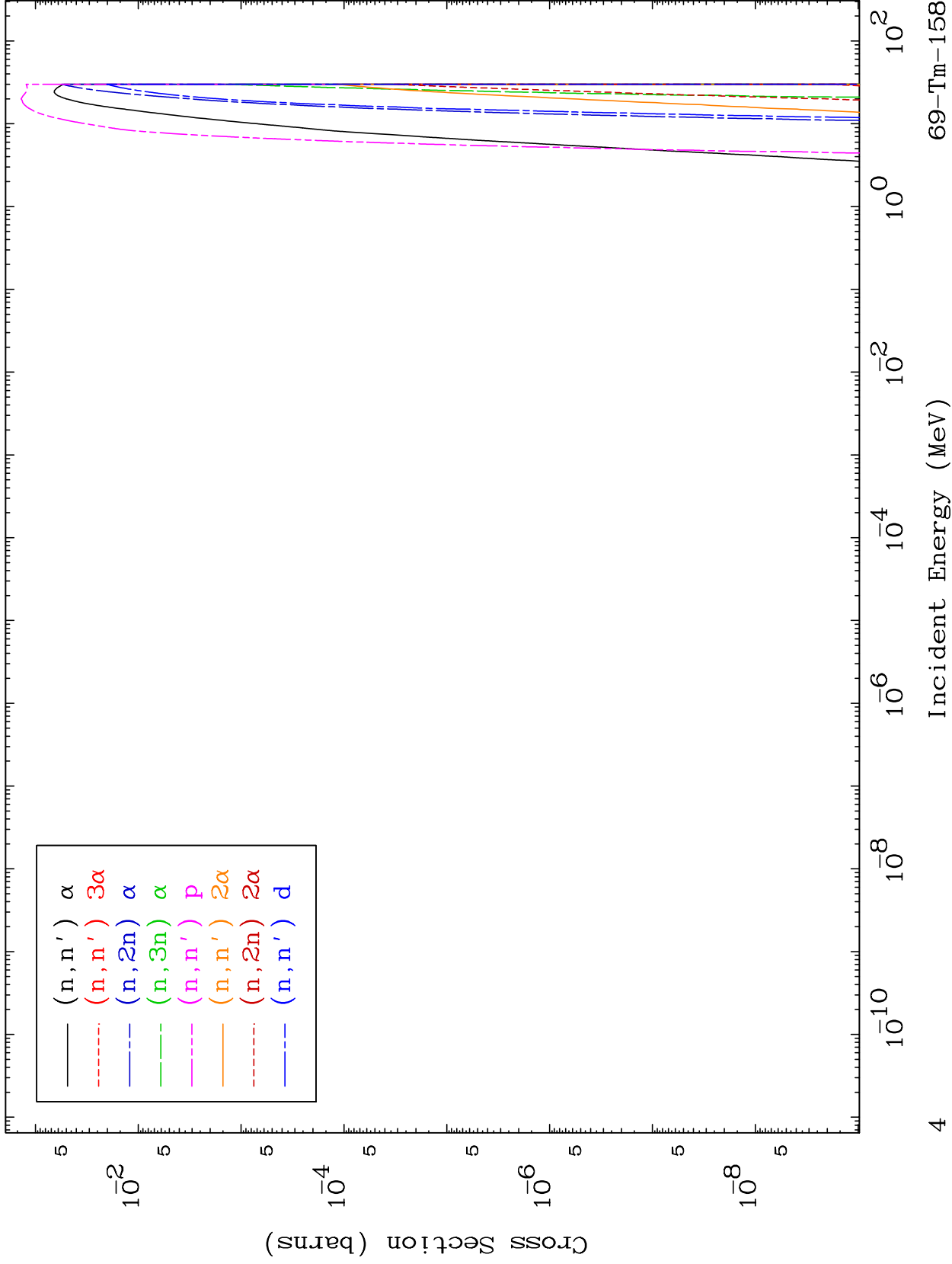


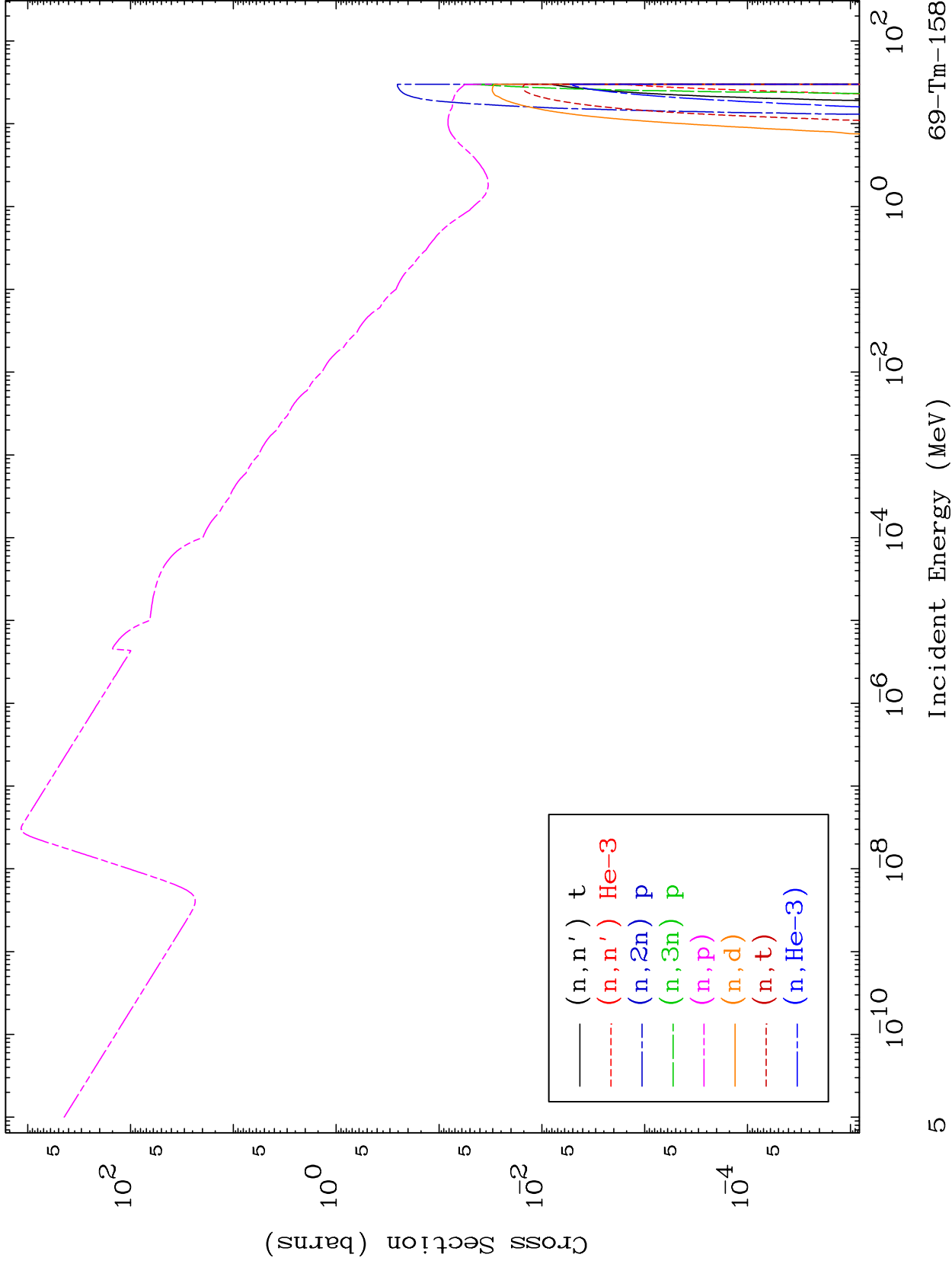


MAT 6892

Charged Particle  
293 Kelvin Cross Sections

69-Tm-158

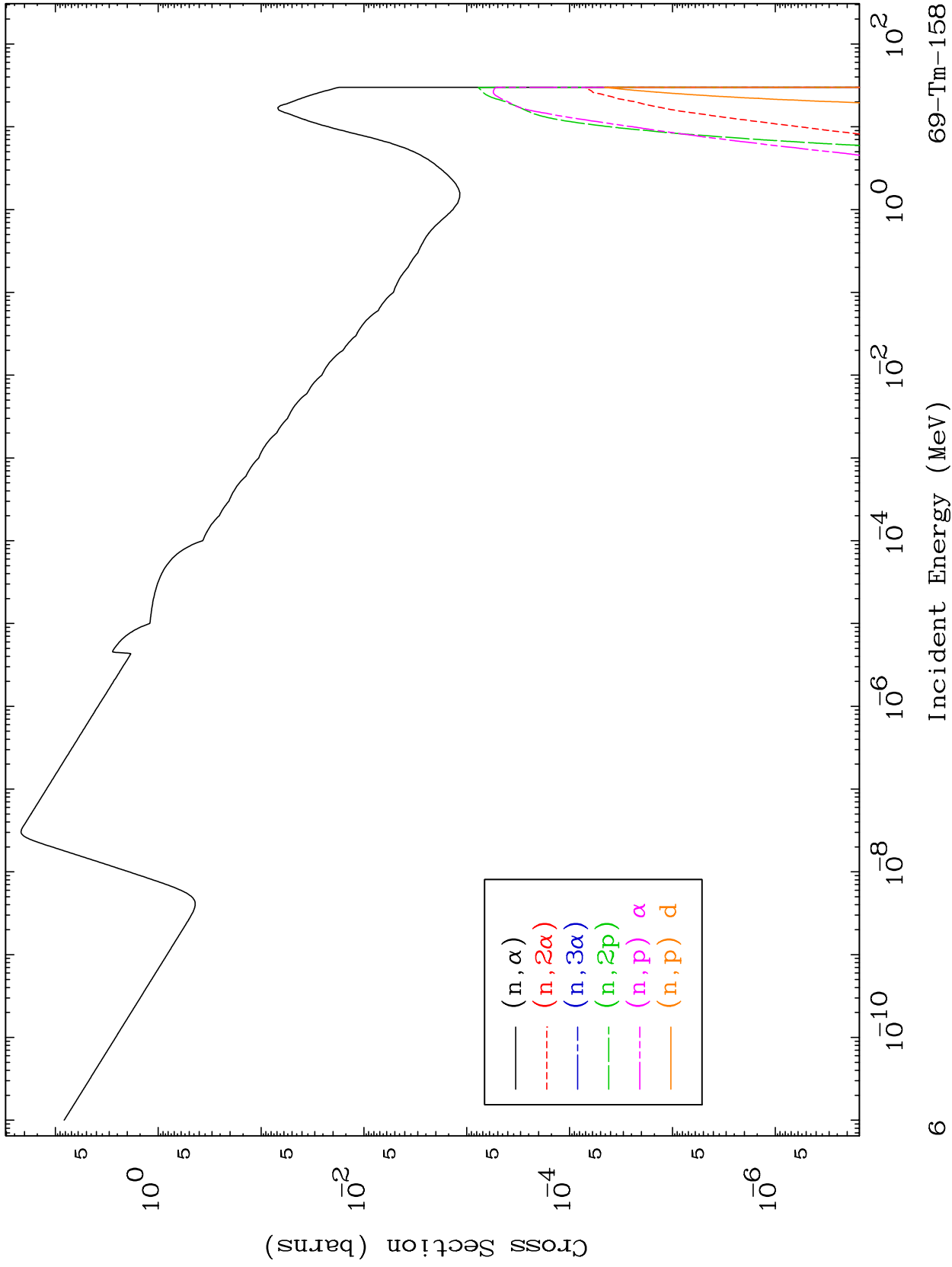


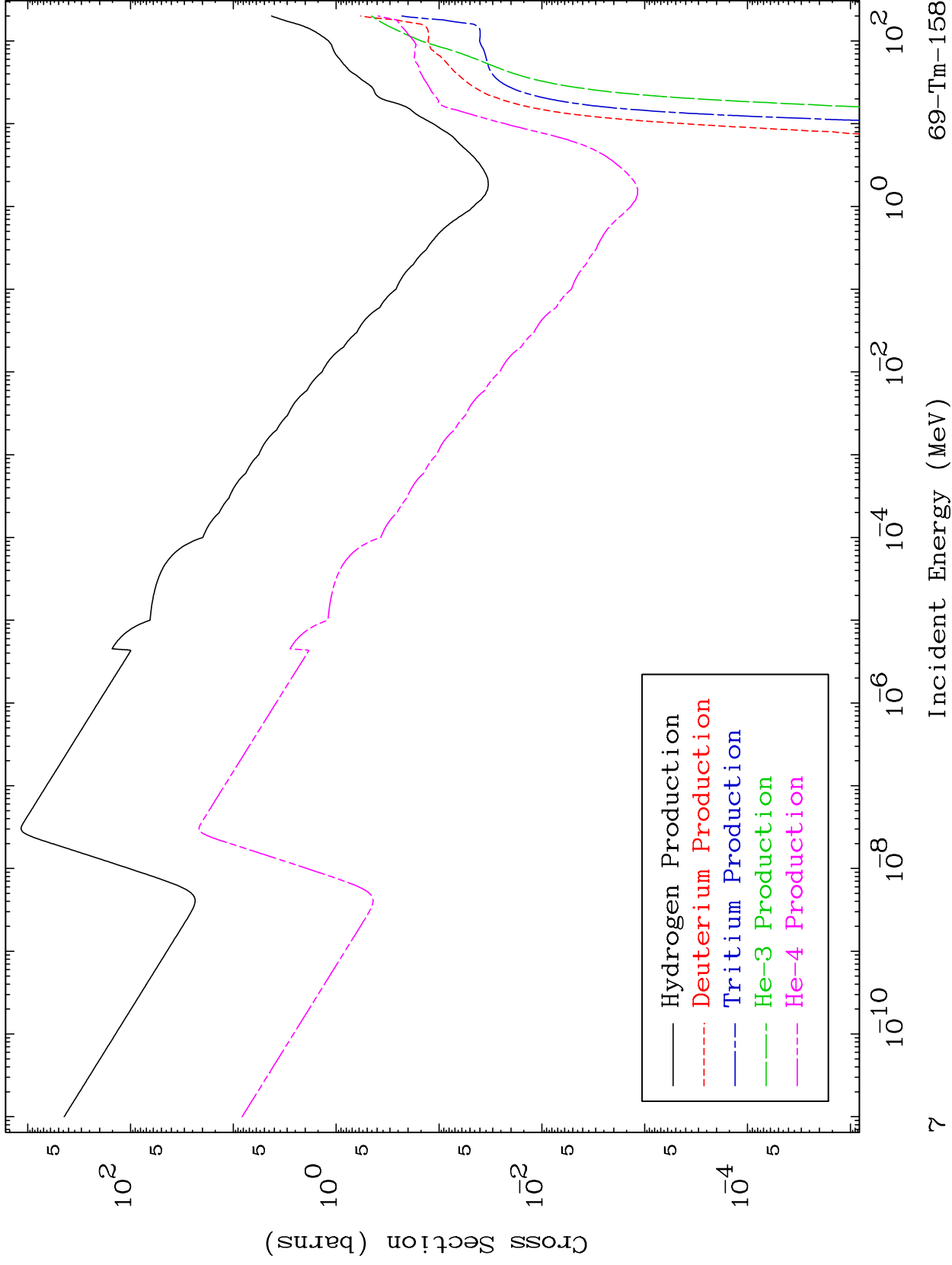


MAT 6892

Charged Particle  
293 Kelvin Cross Sections

69-Tm-158





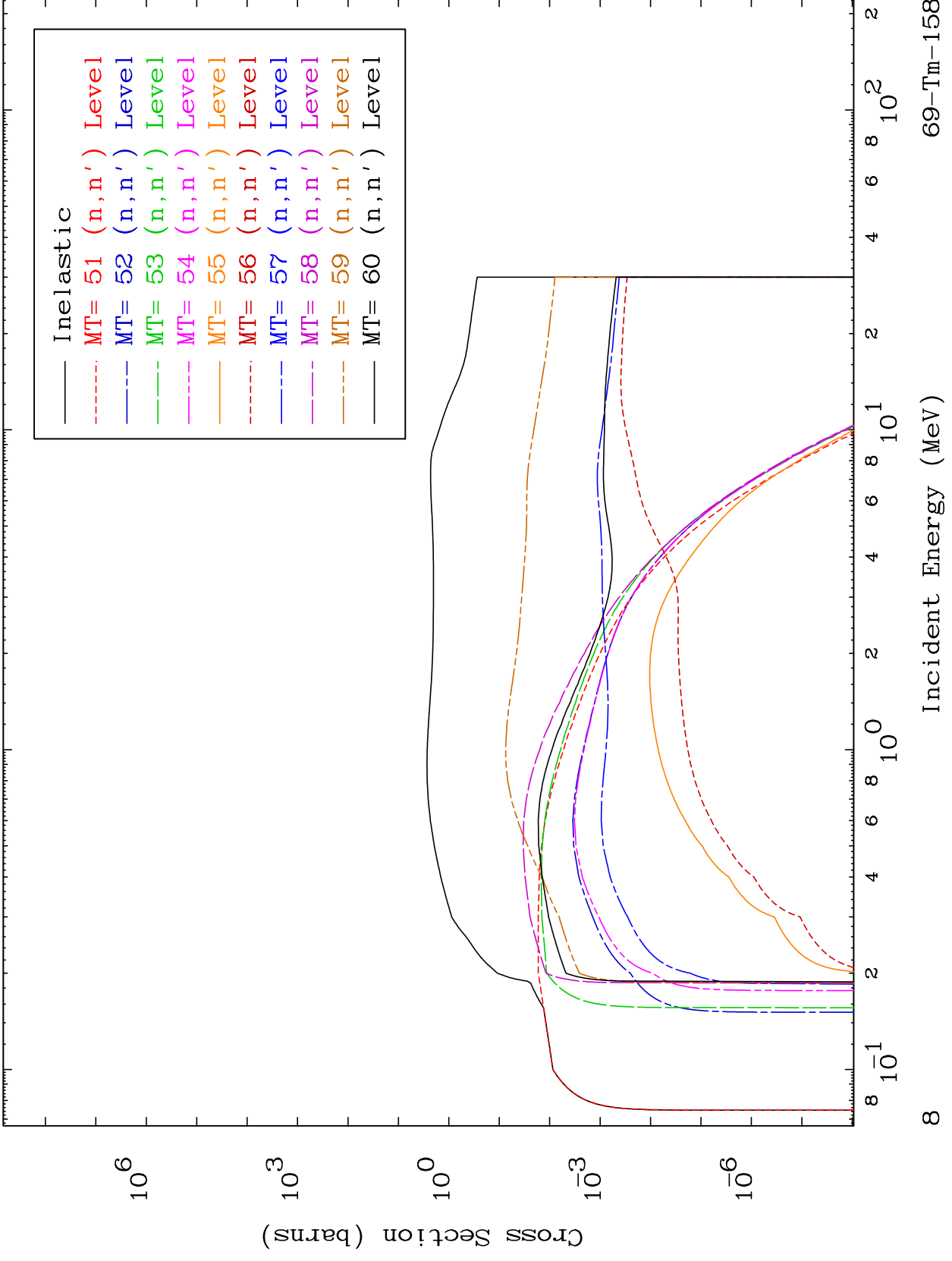


MAT 6892

(n,n') Level

69-Tm-158

293 Kelvin Cross Sections



8

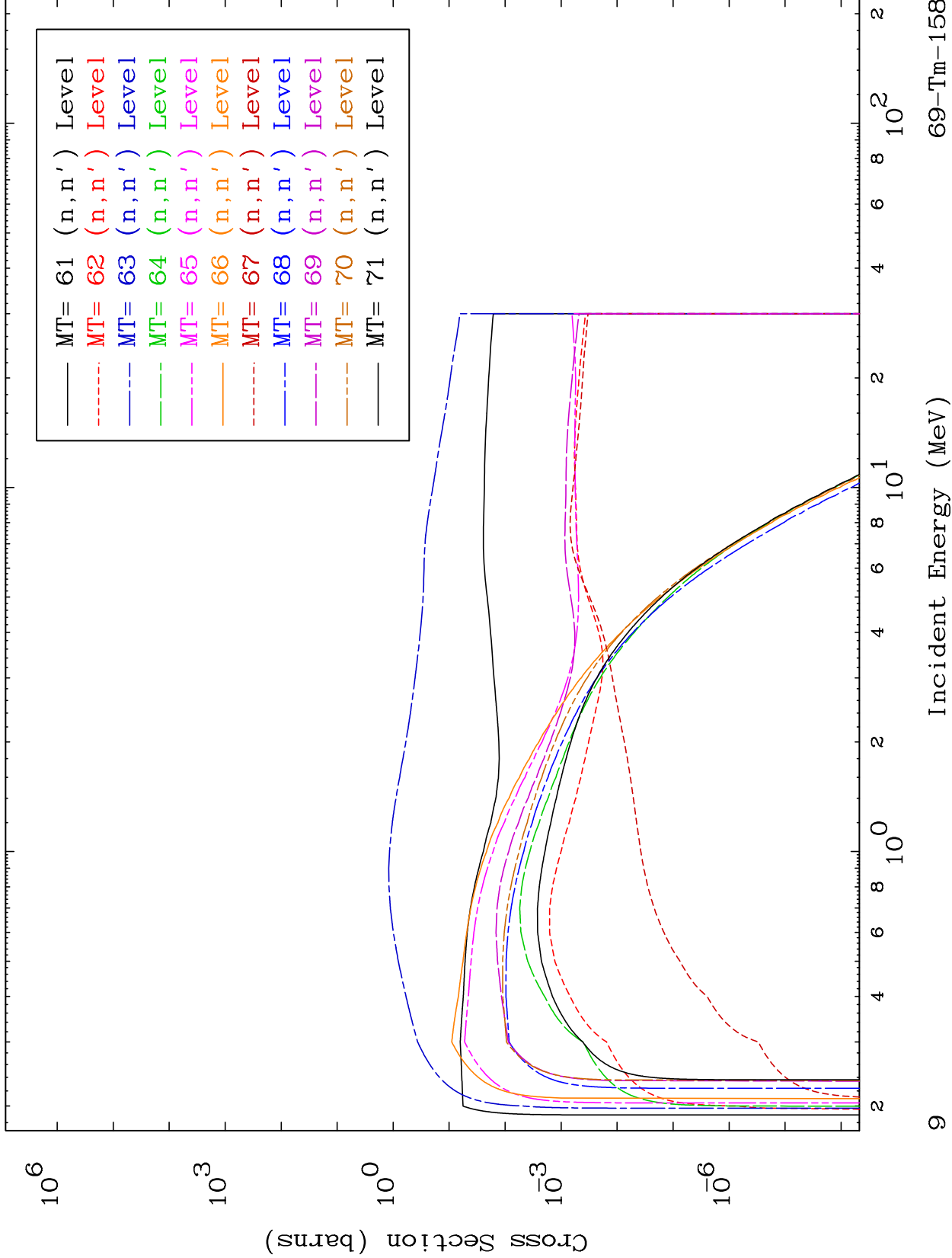
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,n') Level  
293 Kelvin Cross Sections

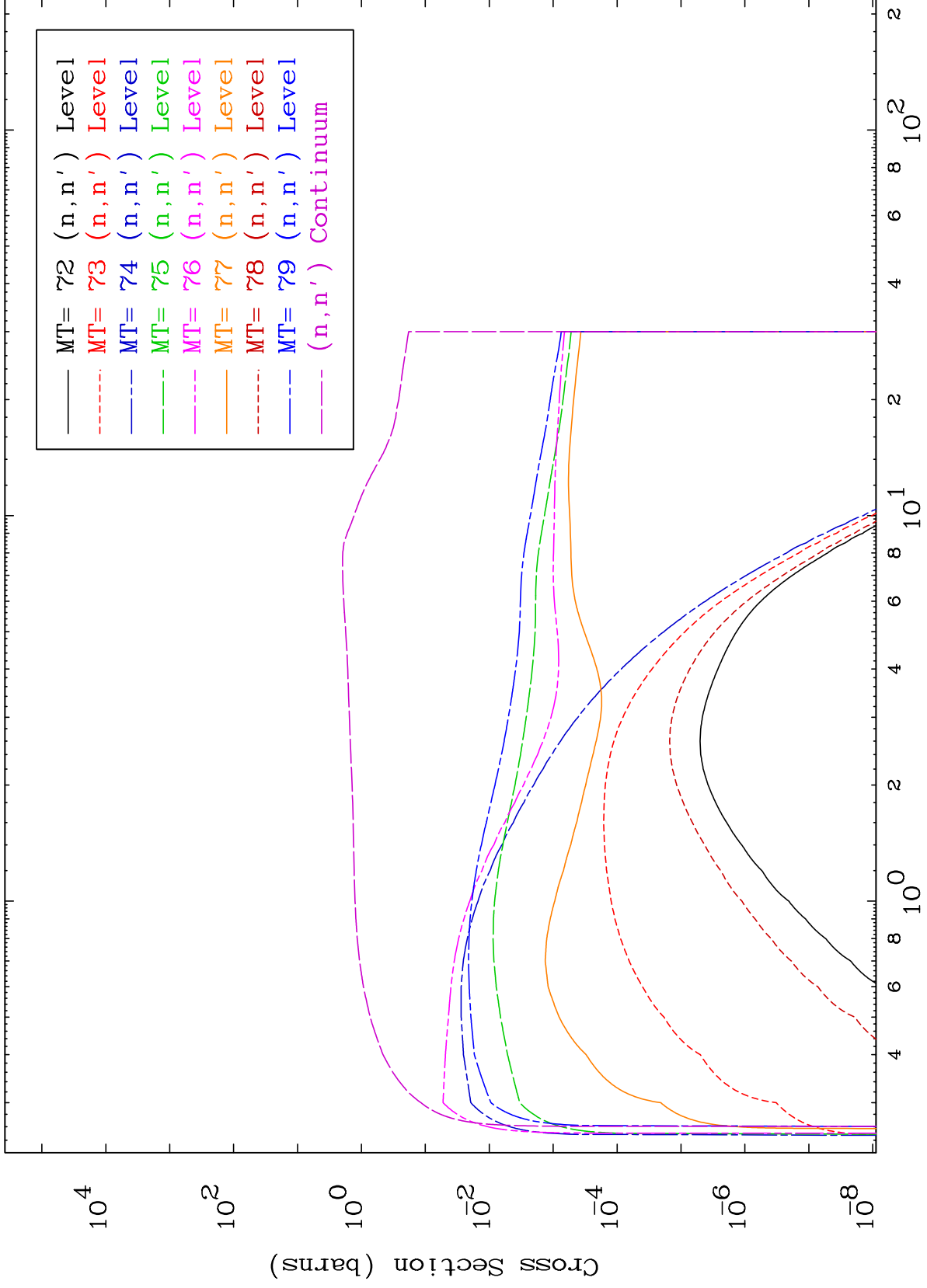
69-Tm-158



MAT 6892

(n,n') Level  
293 Kelvin Cross Sections

69-Tm-158



10

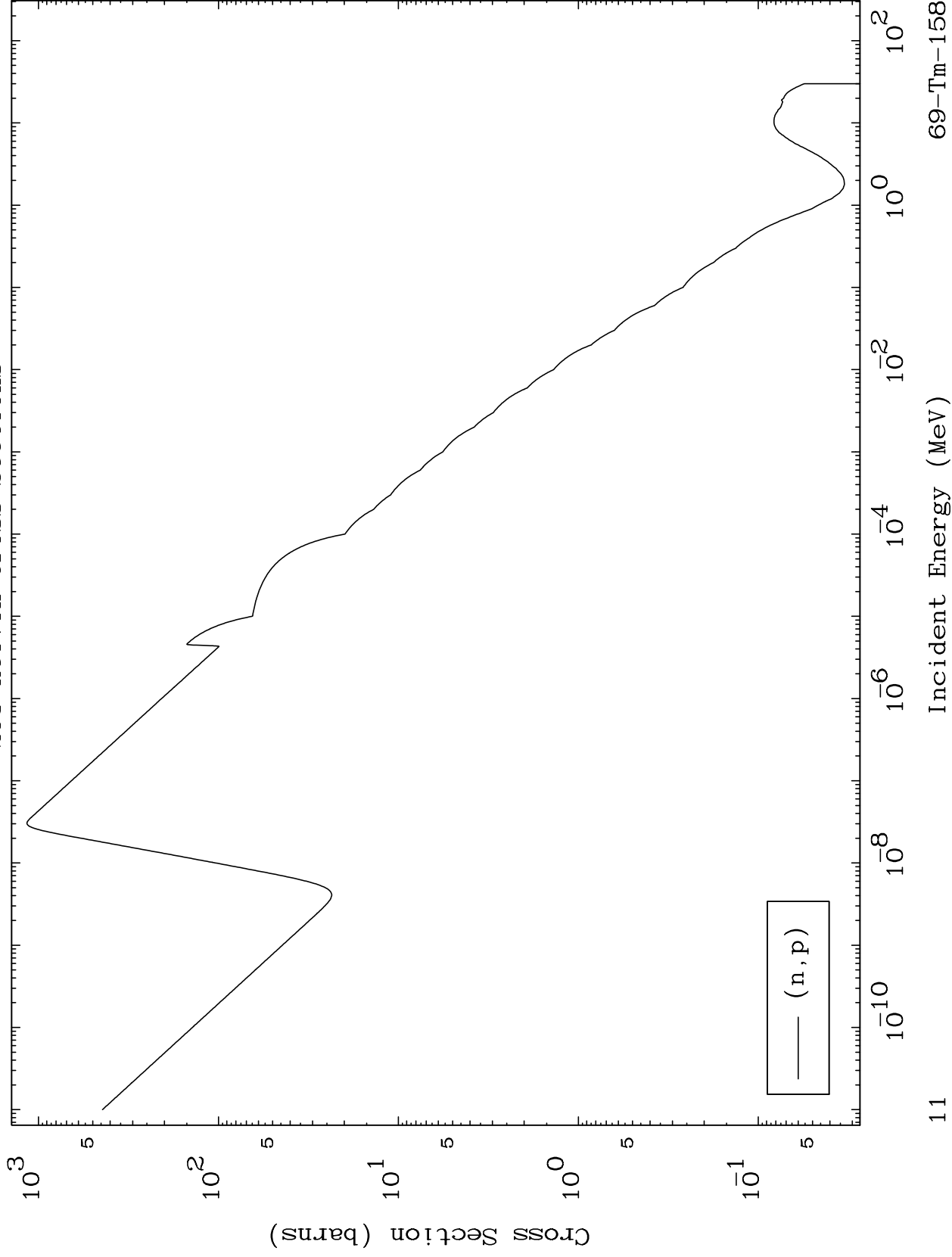
Incident Energy (MeV)

69-Tm-158

MAT 6892

(n,p) Levels  
293 Kelvin Cross Sections

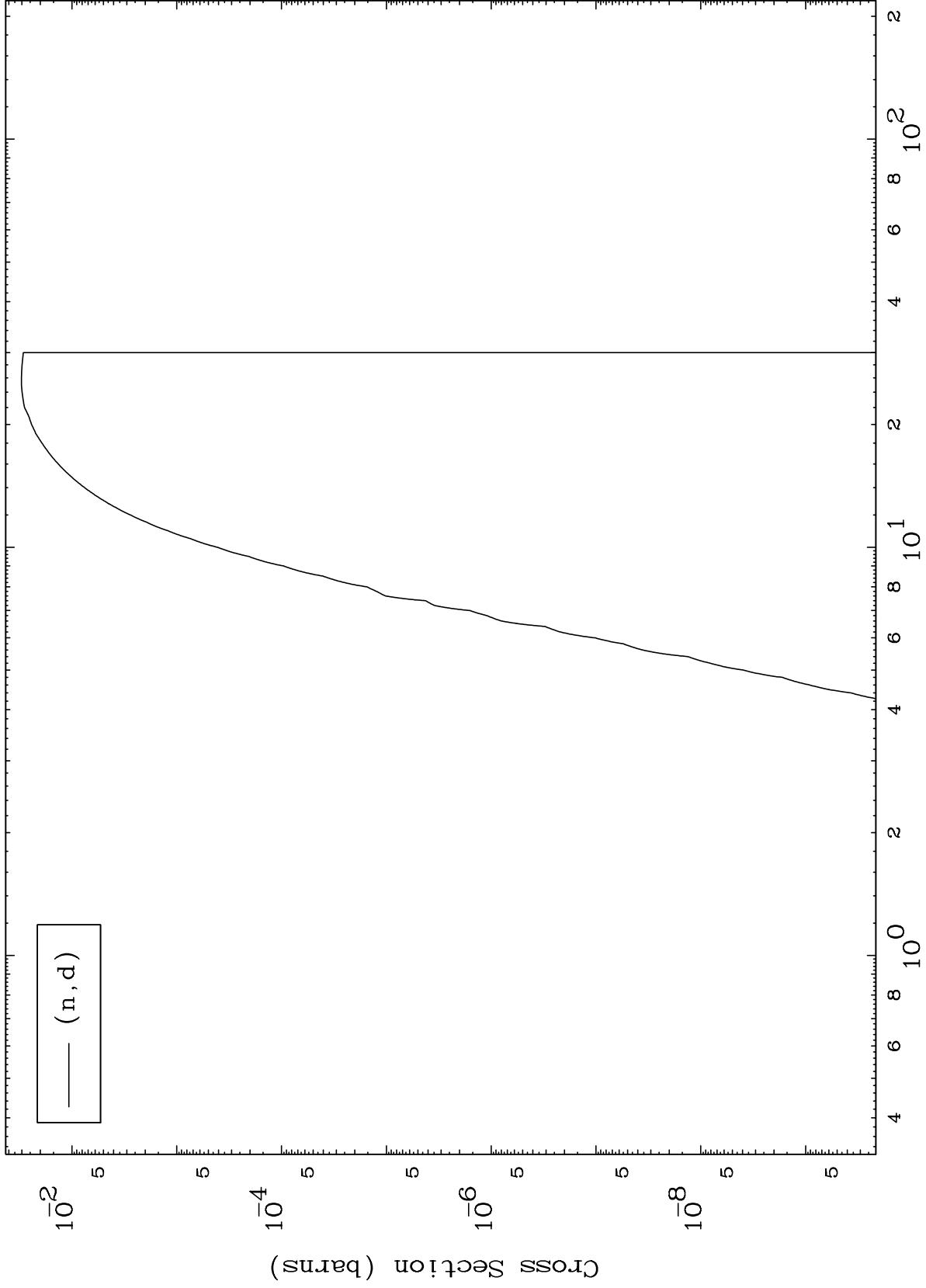
69-Tm-158



MAT 6892

(n,d) Levels  
293 Kelvin Cross Sections

69-Tm-158



(n,d)

Incident Energy (MeV)

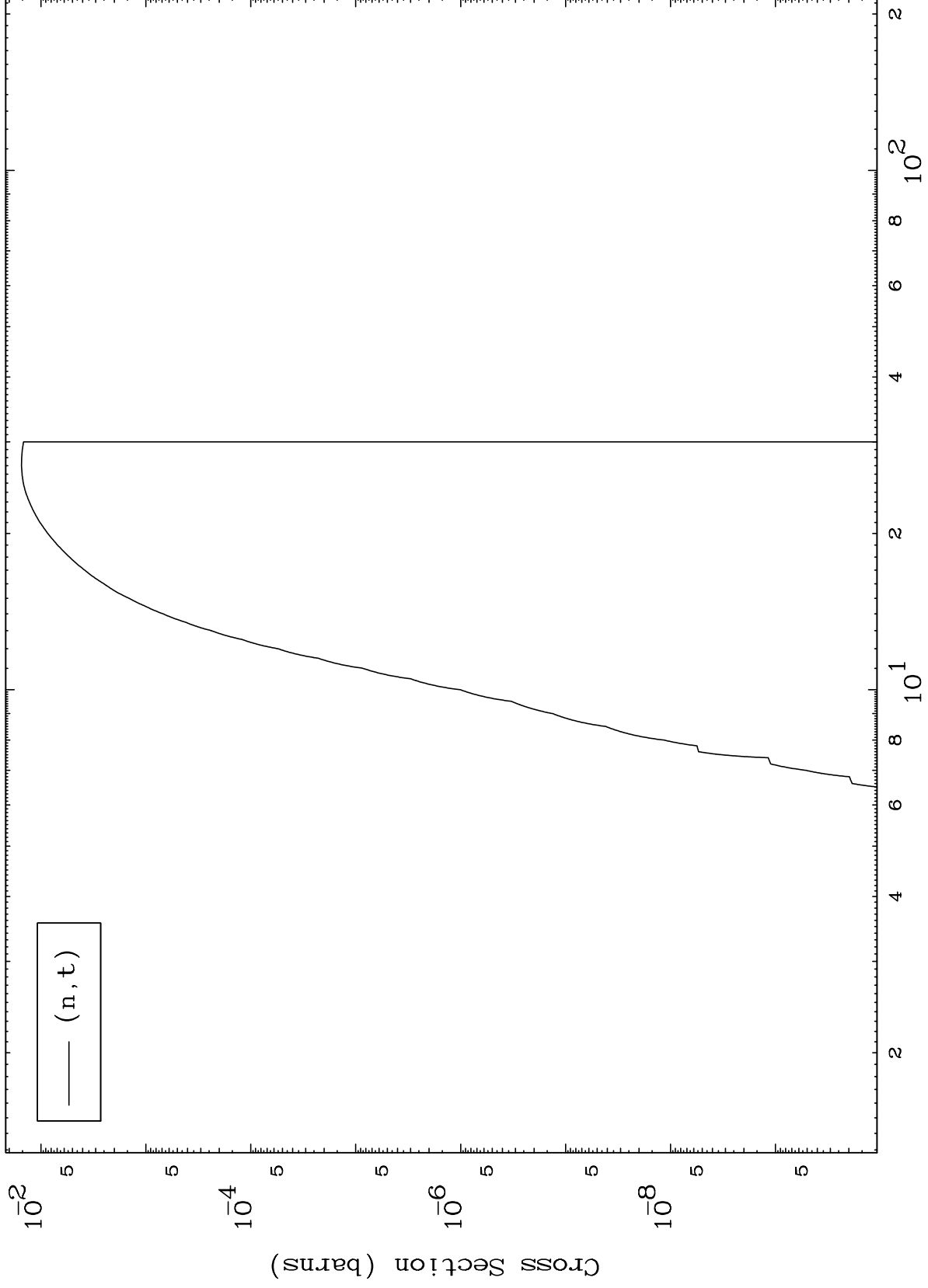
69-Tm-158

12

MAT 6892

(n,t) Levels  
293 Kelvin Cross Sections

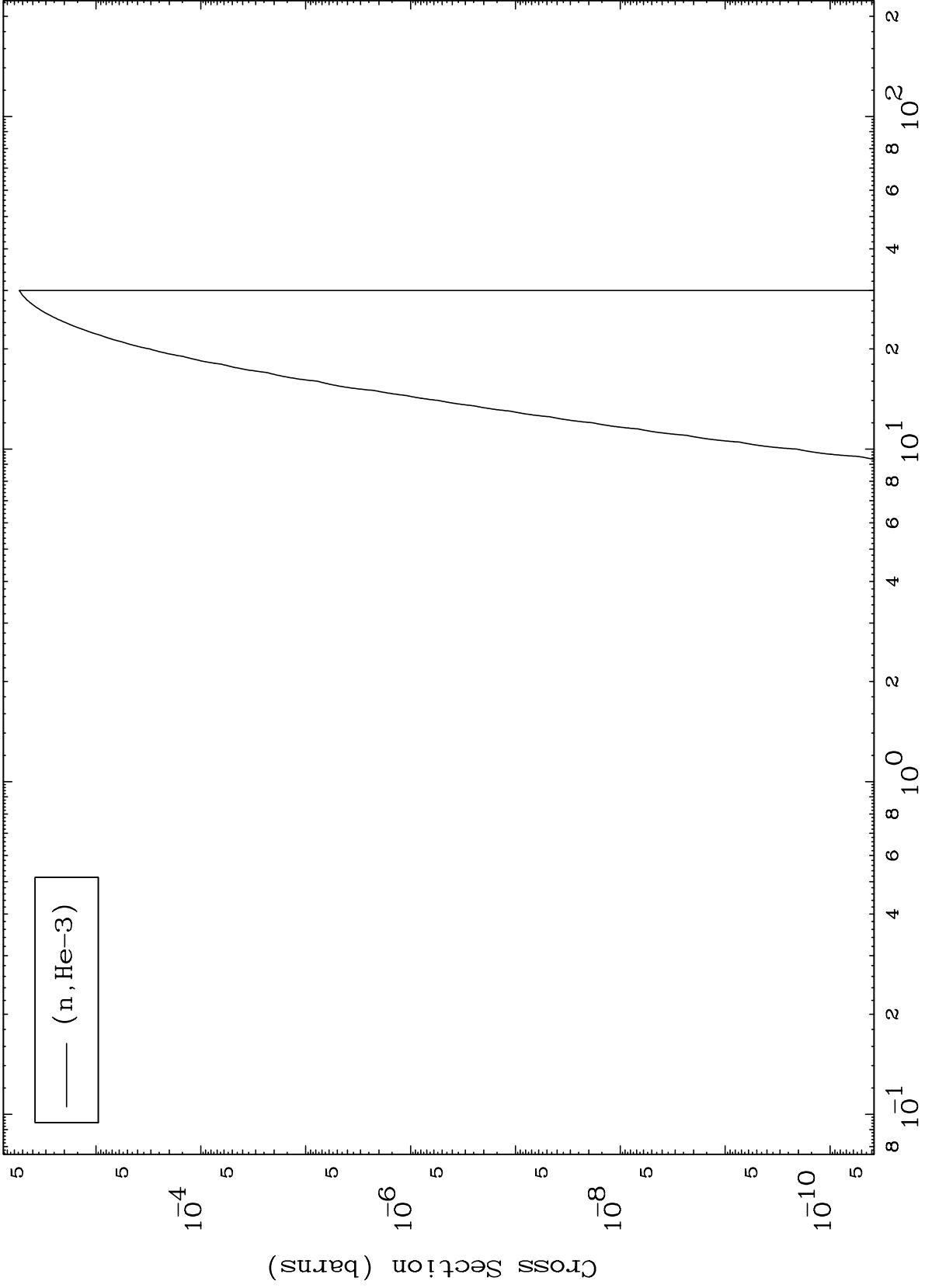
69-Tm-158



MAT 6892

(n,He3) Levels  
293 Kelvin Cross Sections

69-Tm-158



14

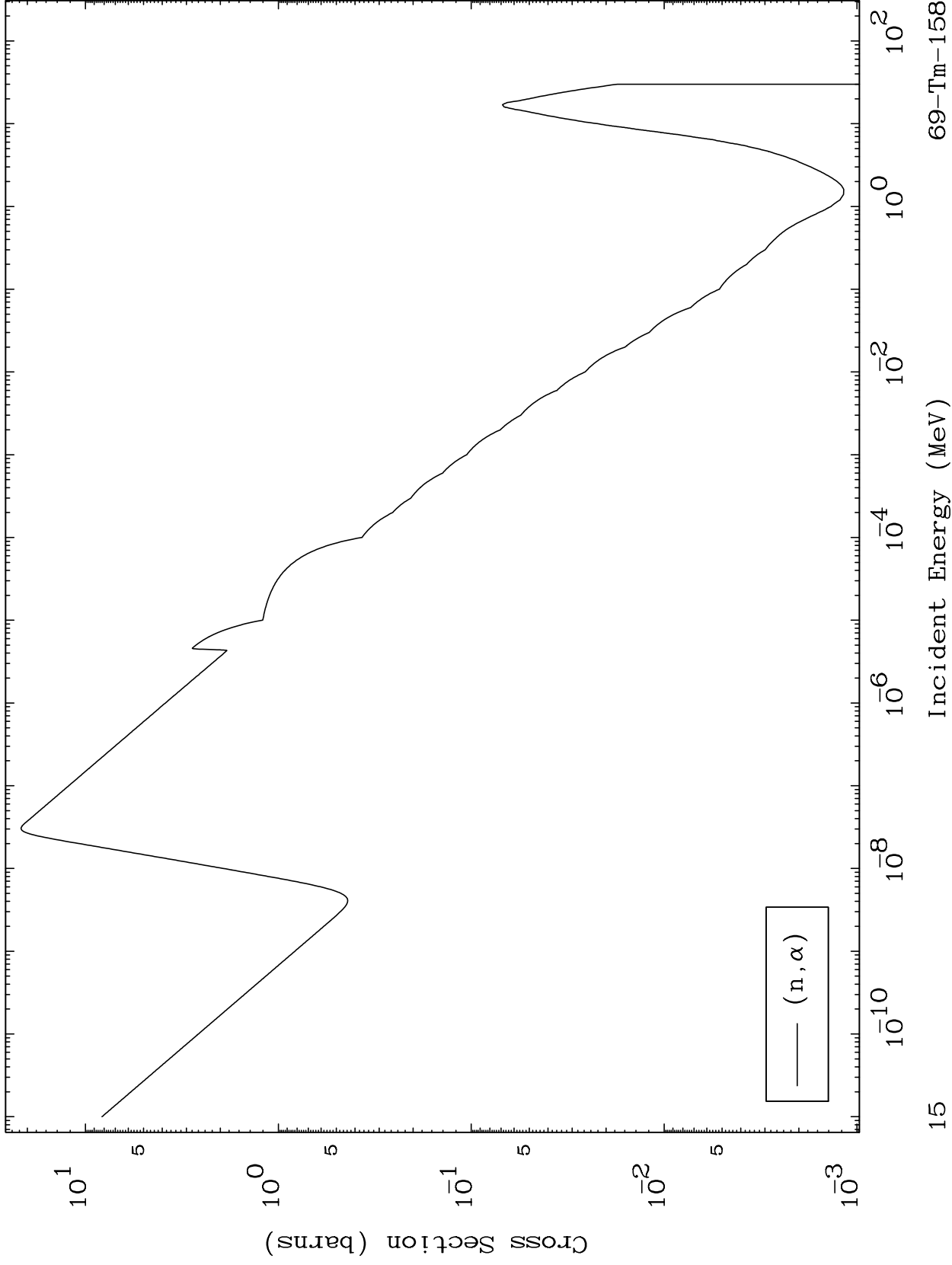
Incident Energy (MeV)

69-Tm-158

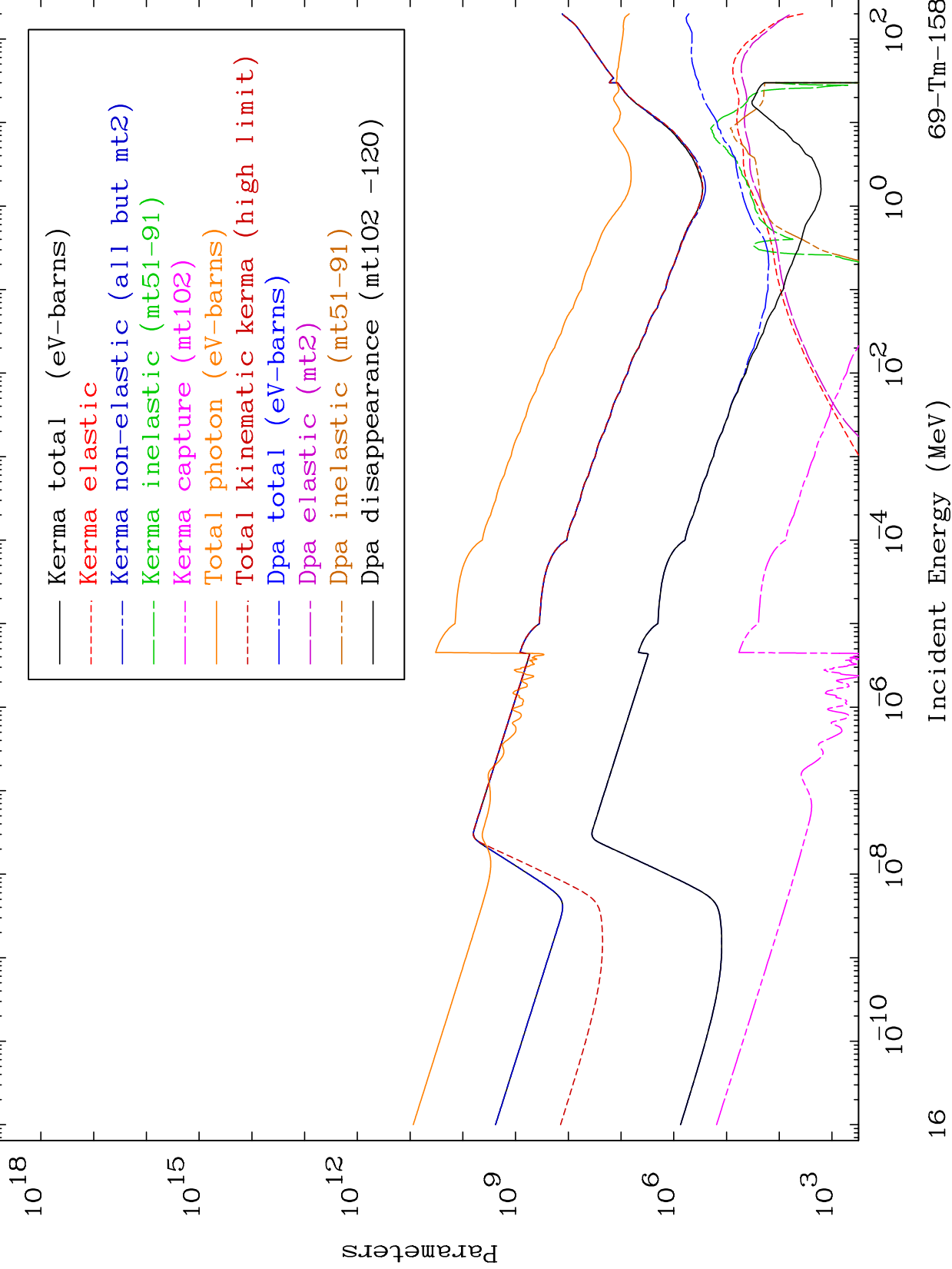
MAT 6892

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

69-Tm-158



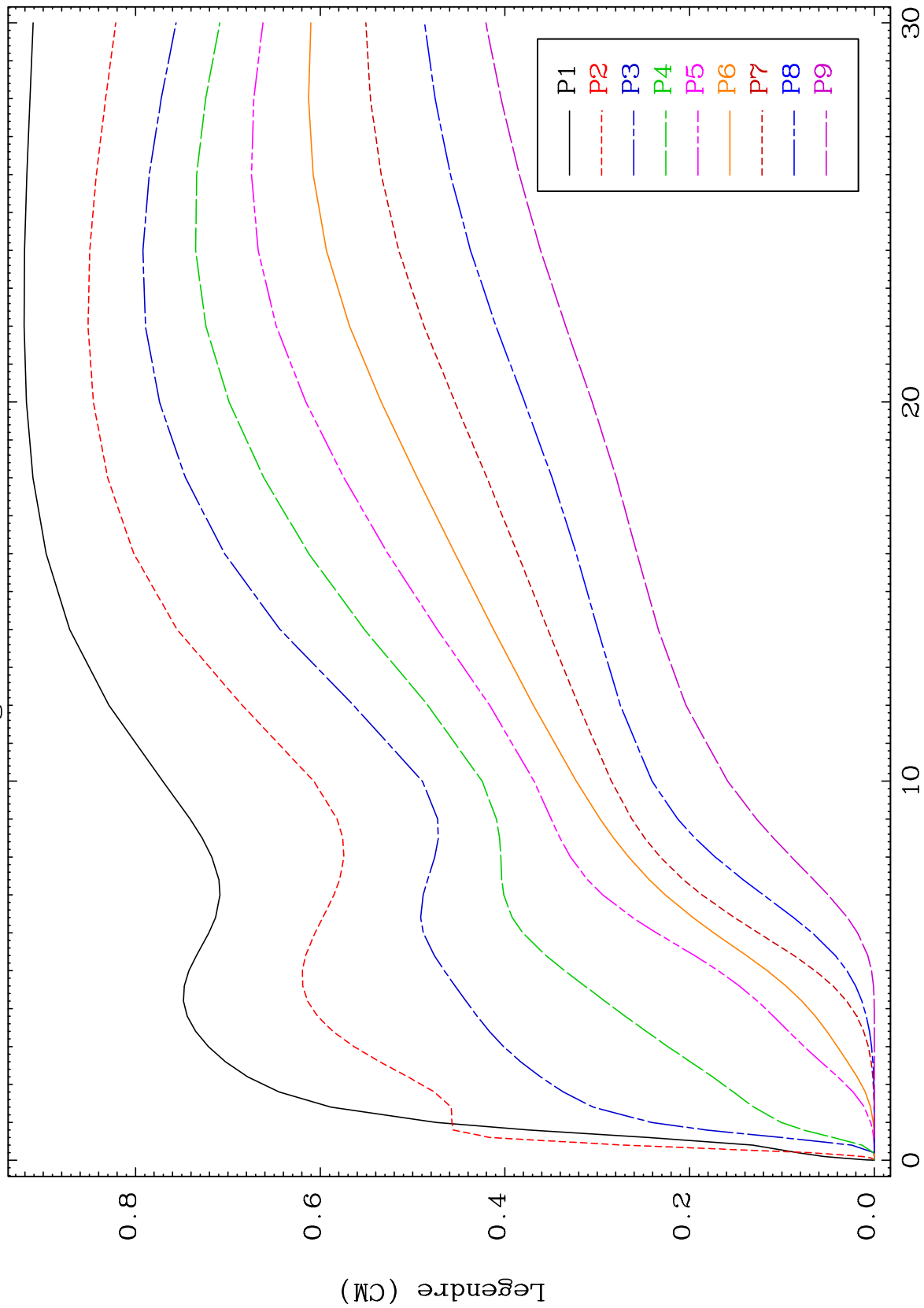




MAT 6892

Elastic Legendre Coefficients

69-Tm-158



17

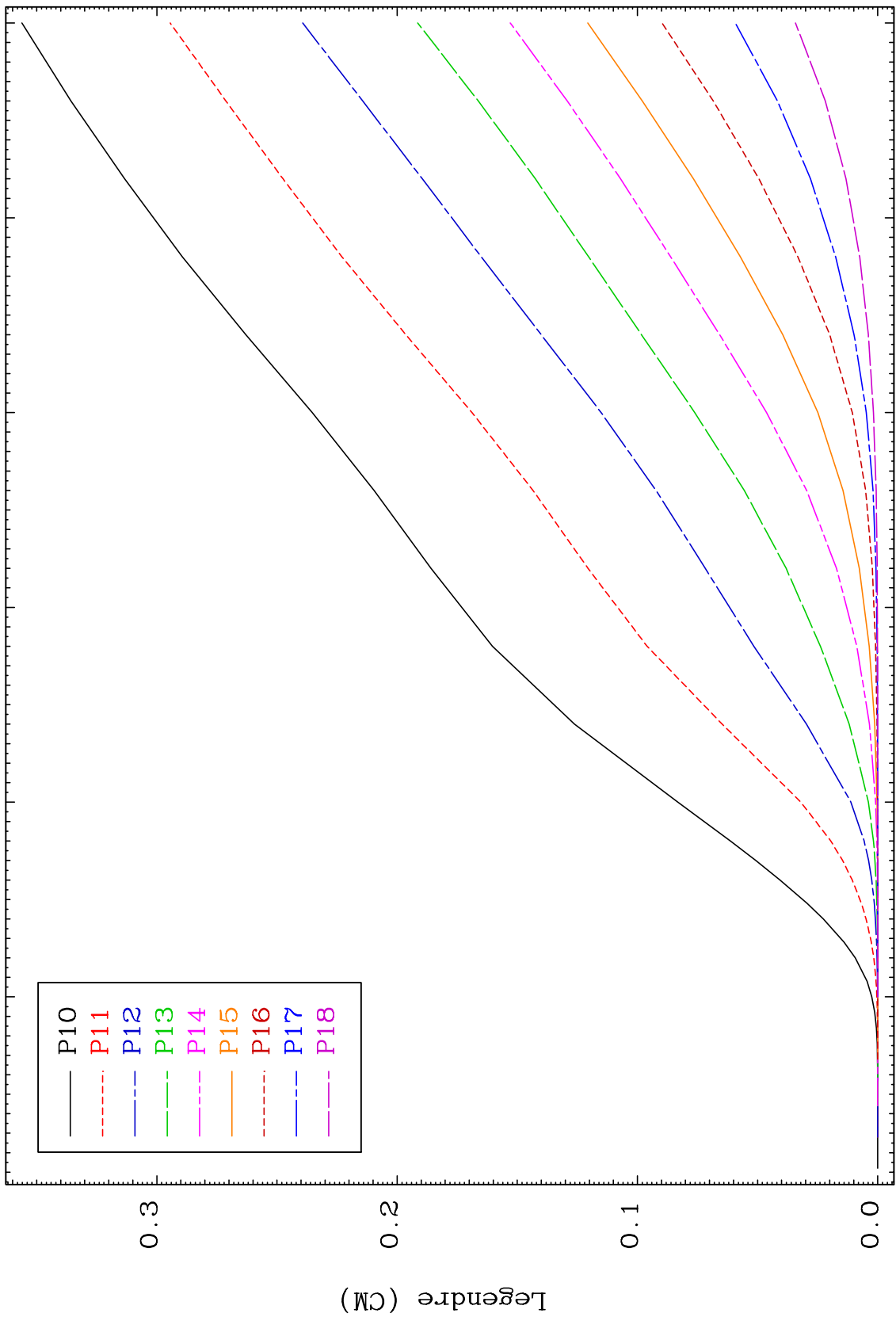
Incident Energy (MeV)

69-Tm-158

MAT 6892

Elastic  
Legendre Coefficients

69-Tm-158



18

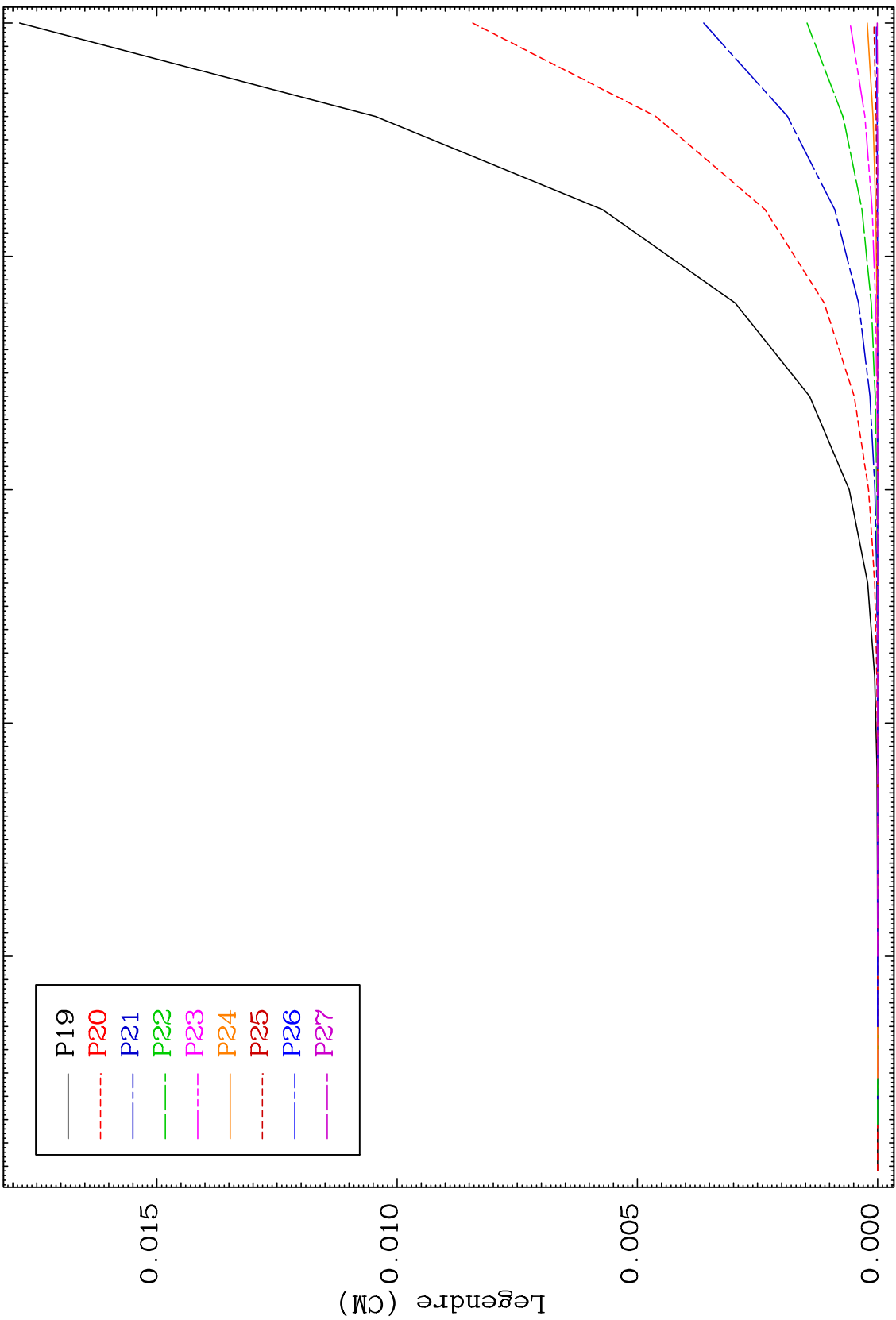
Incident Energy (MeV)

69-Tm-158

MAT 6892

### Elastic Legendre Coefficients

69-Tm-158



19

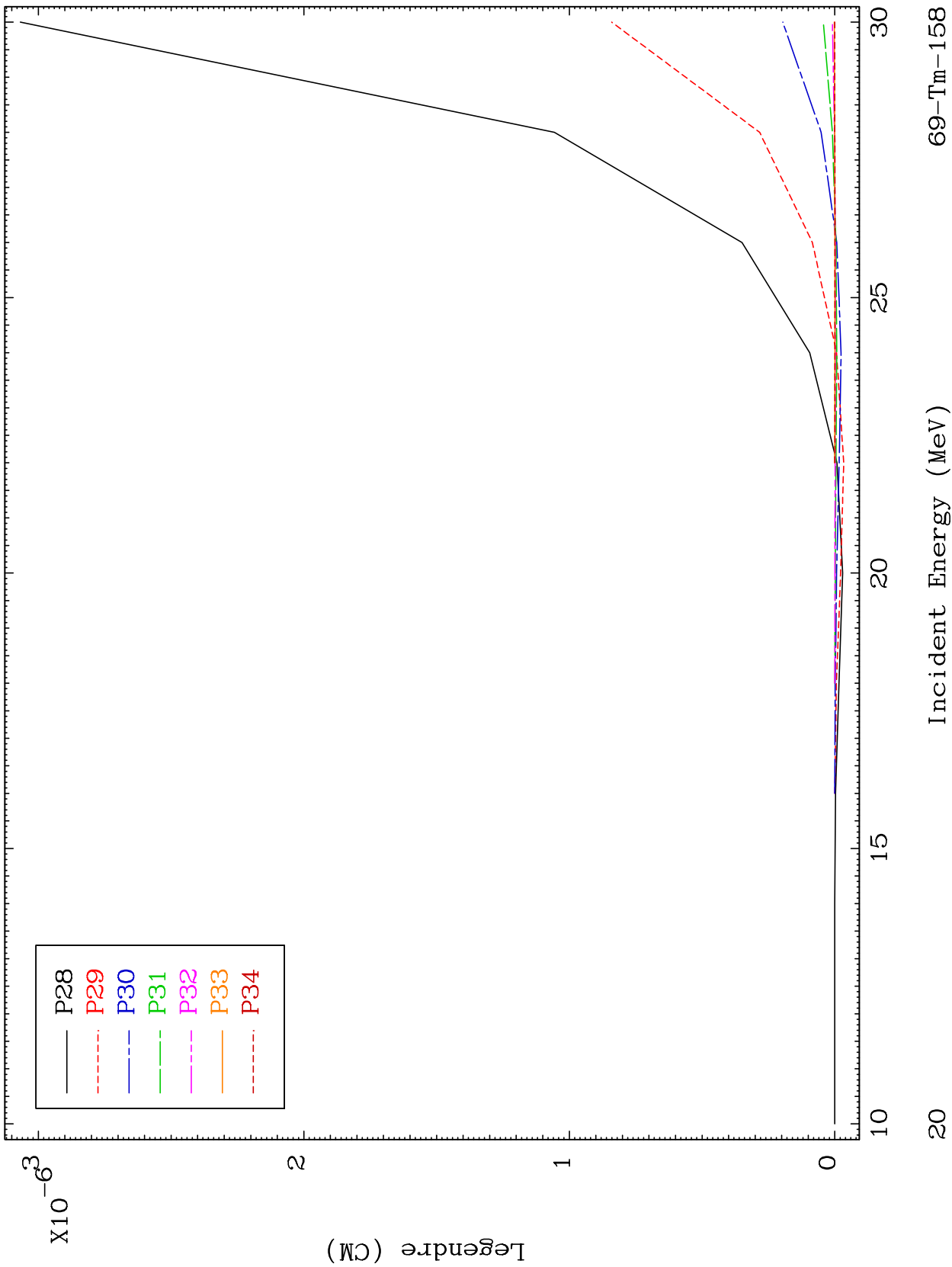
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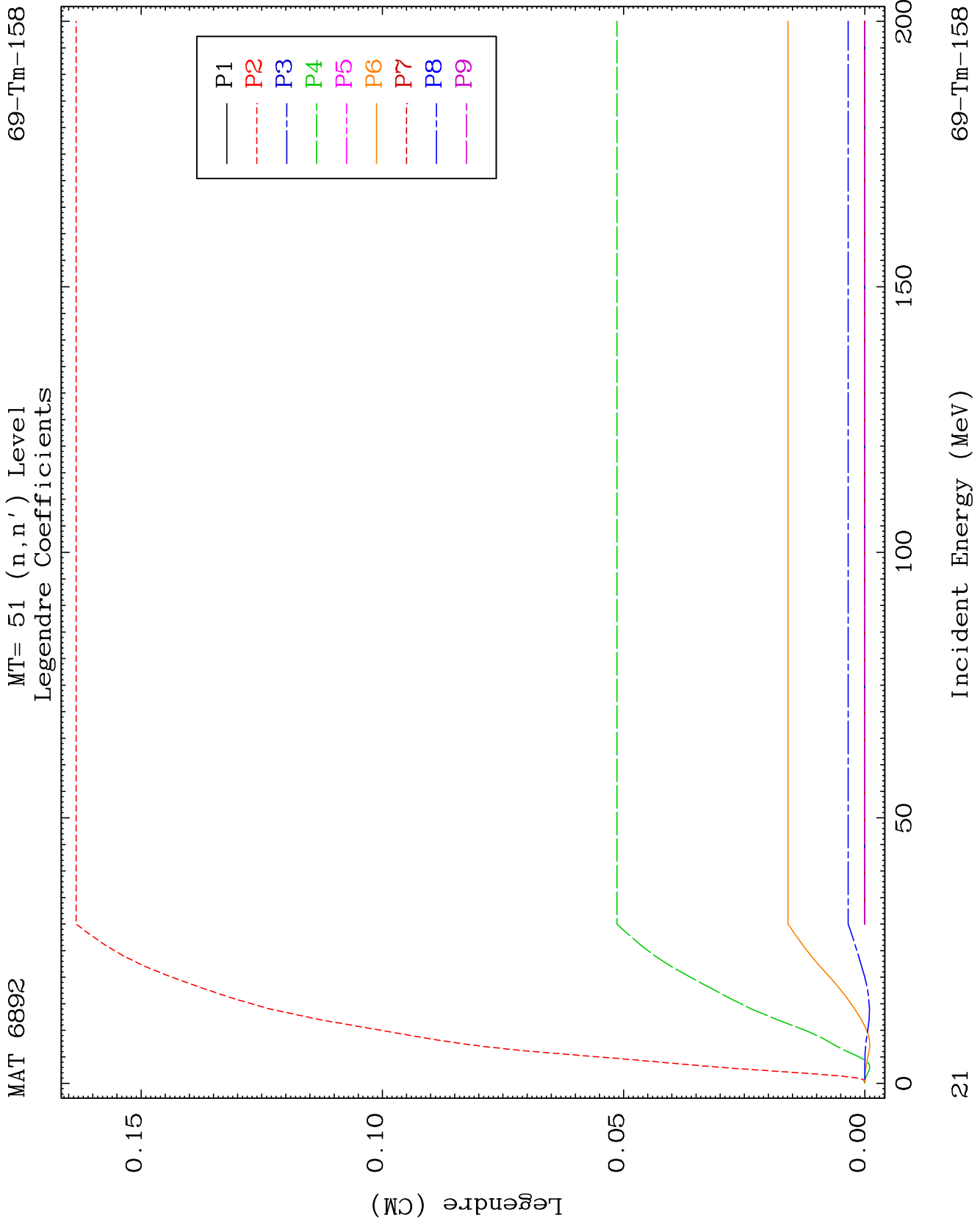
Incident Energy (MeV)

MAT 6892

Elastic Legendre Coefficients

69-Tm-158

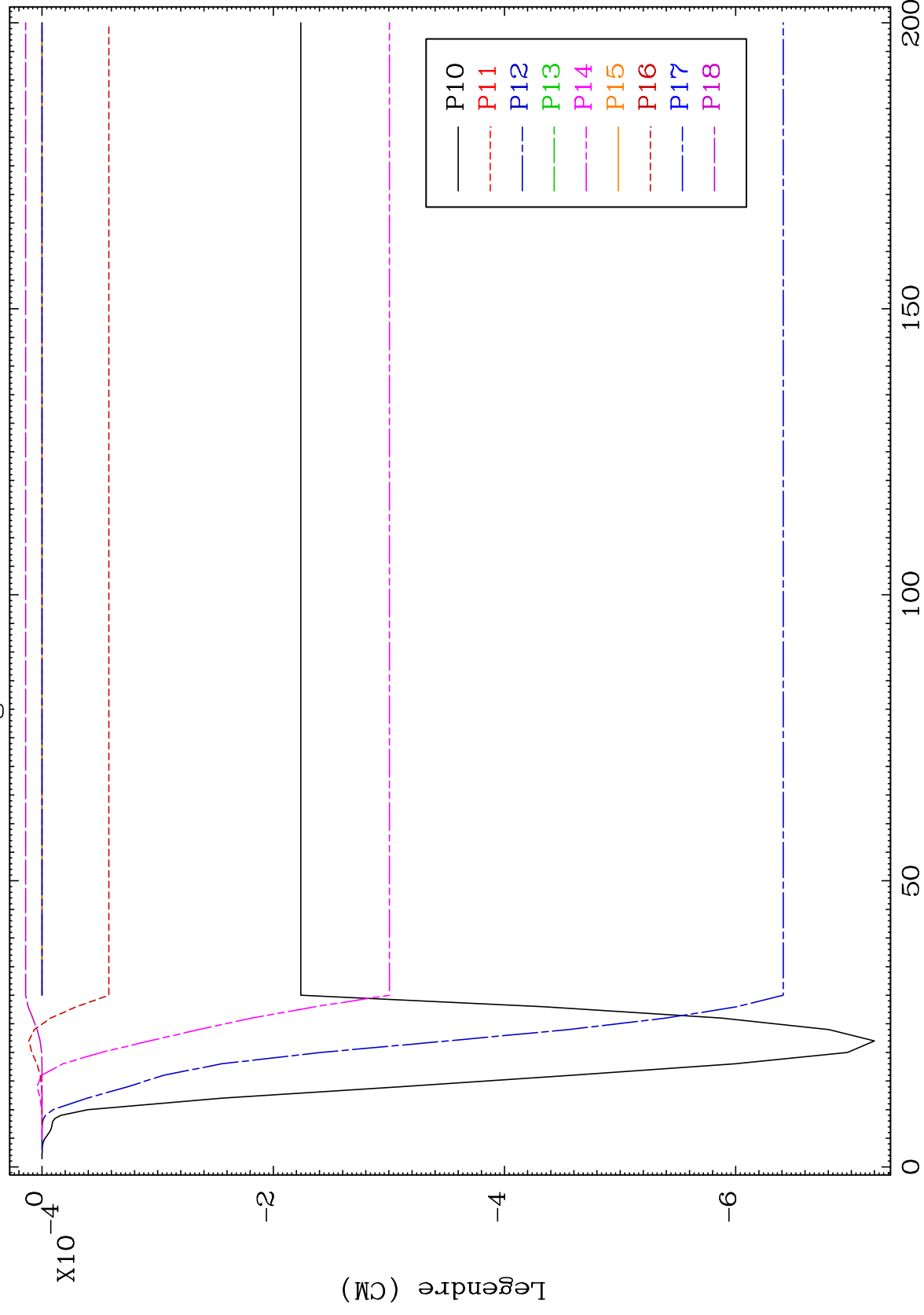




MAT 6892

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

69-Tm-158



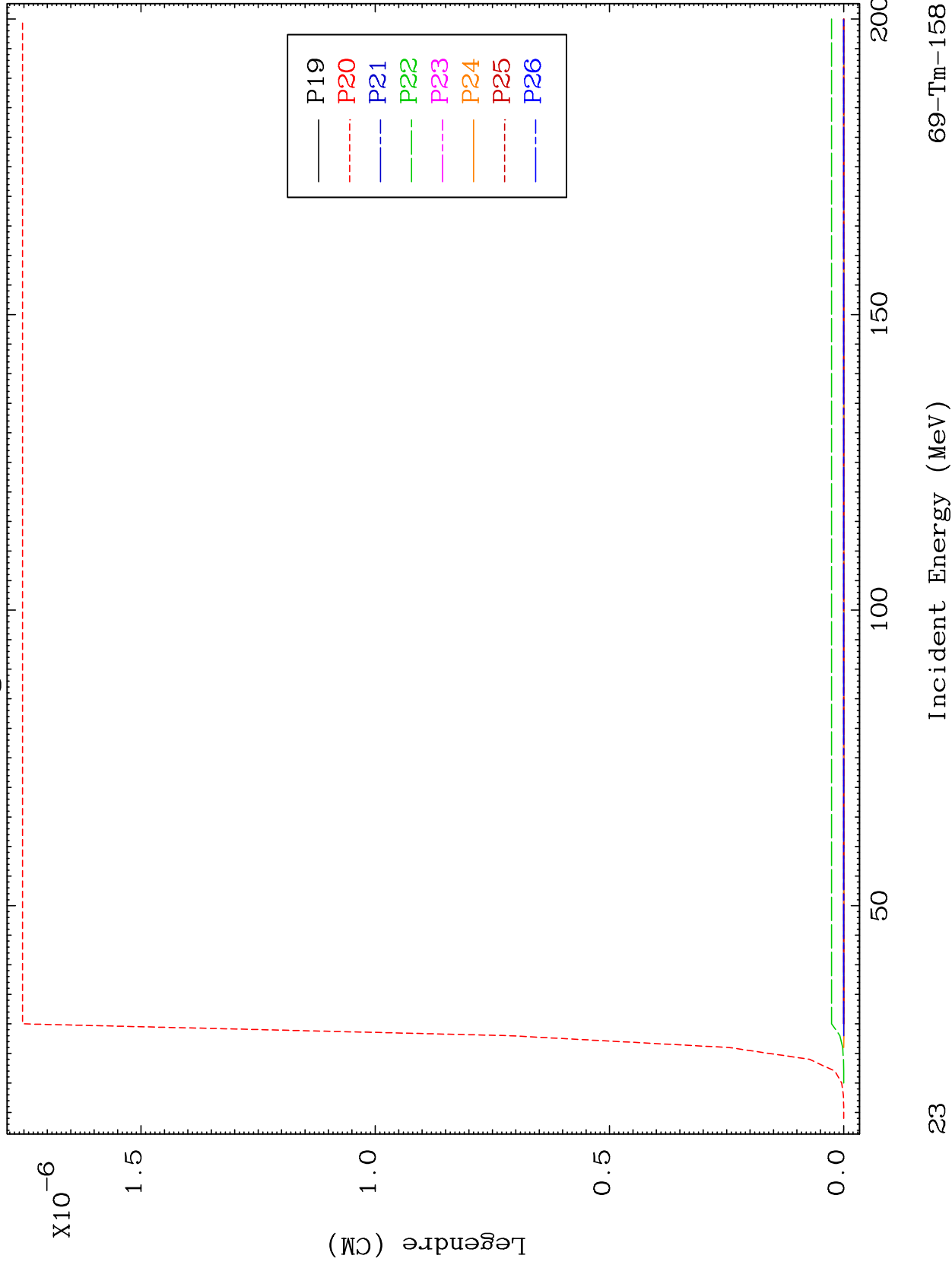
22

69-Tm-158

MAT 6892

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

69-Tm-158



23

Incident Energy (MeV)

69-Tm-158

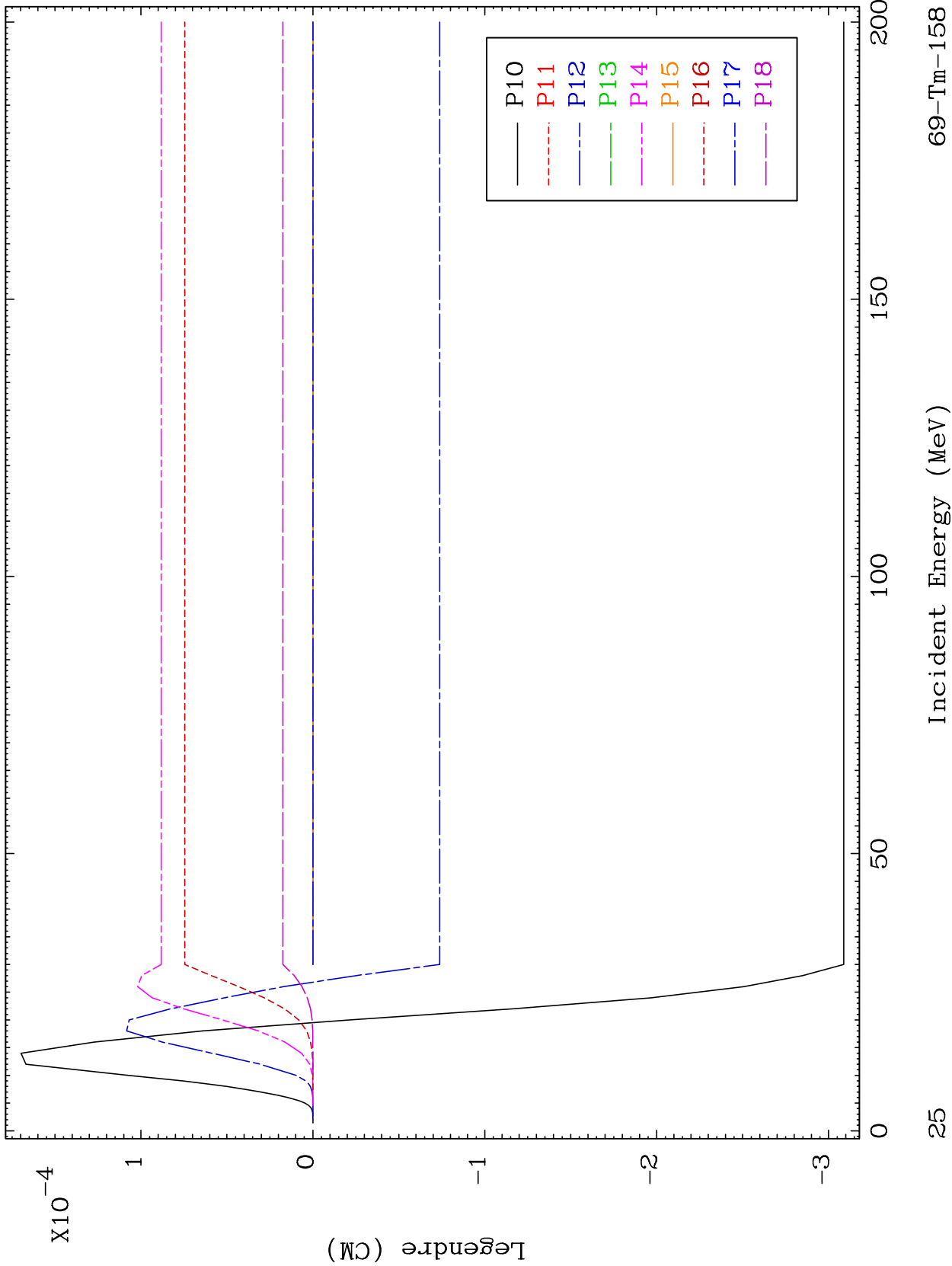




MAT 6892

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

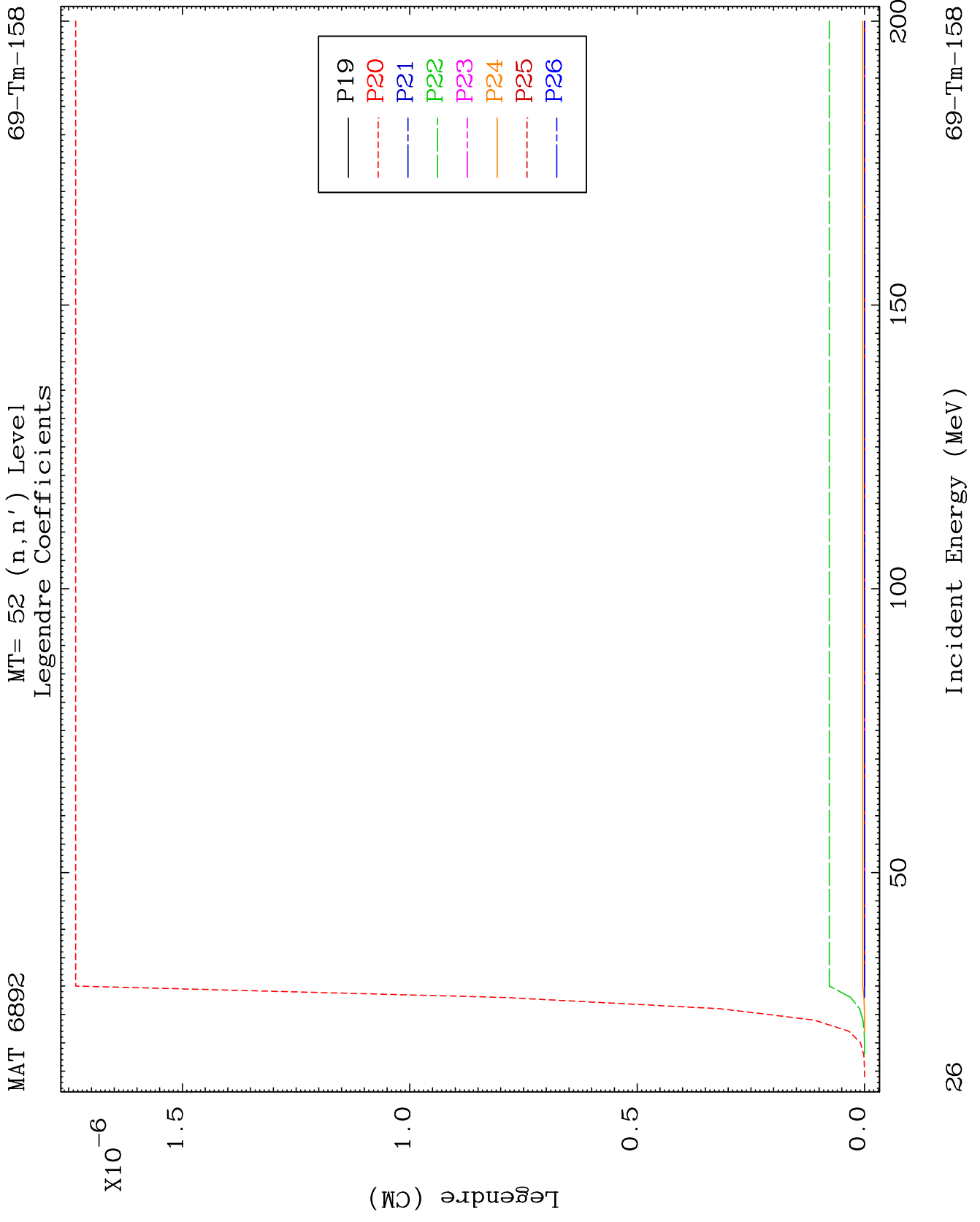
69-Tm-158



69-Tm-158

Incident Energy (MeV)

25

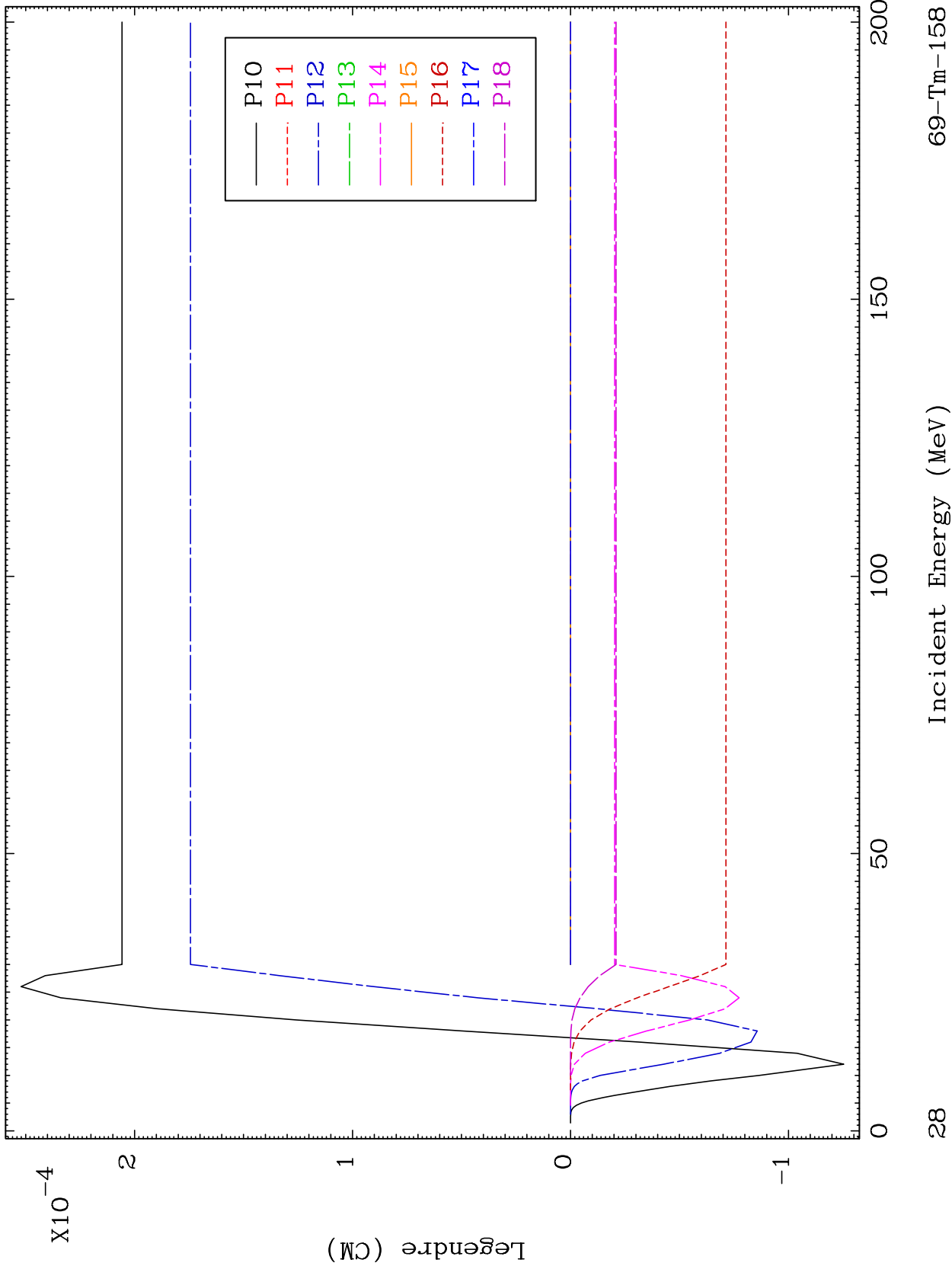




MAT 6892

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

69-Tm-158



28

Incident Energy (MeV)

69-Tm-158

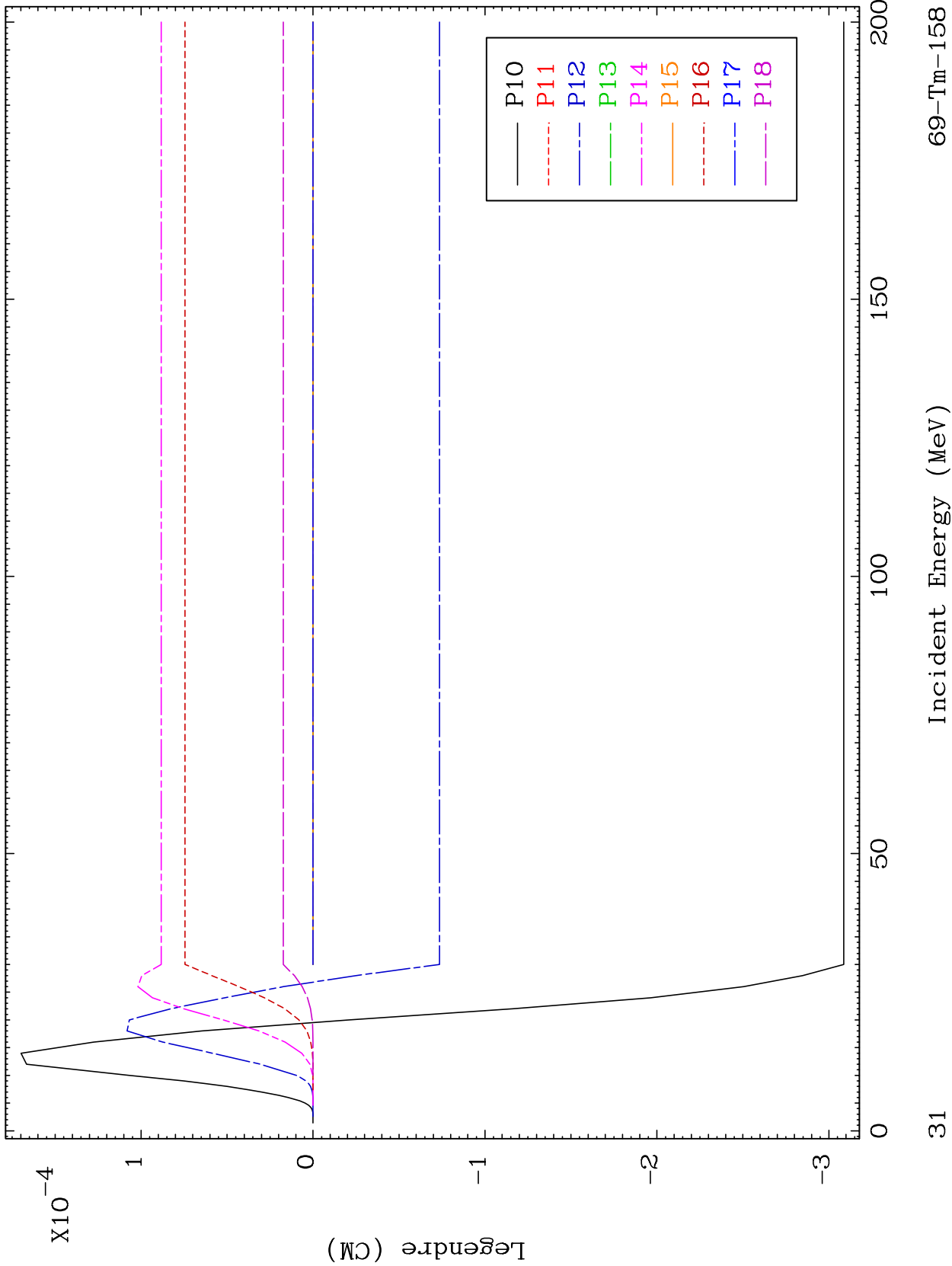




MAT 6892

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

69-Tm-158

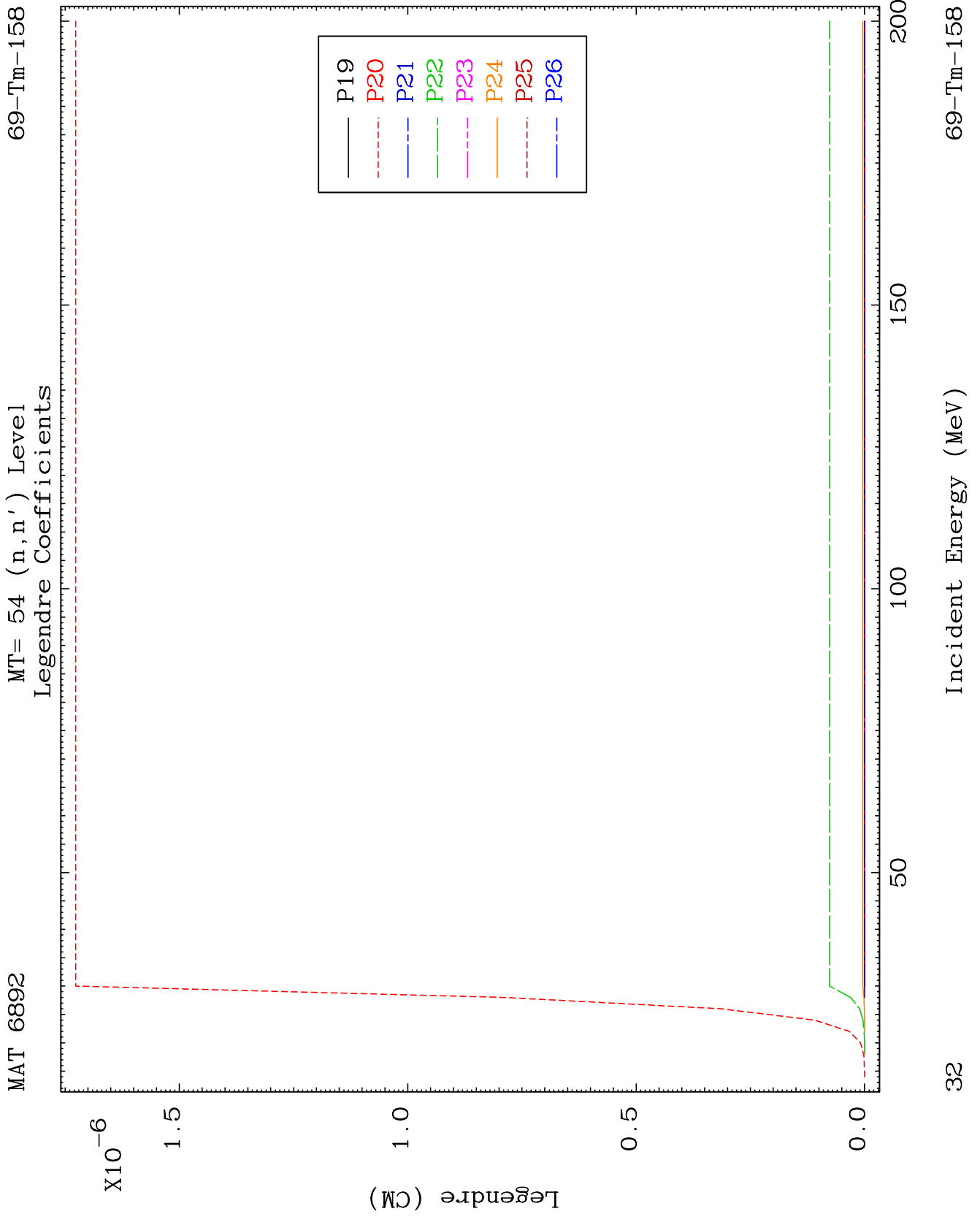


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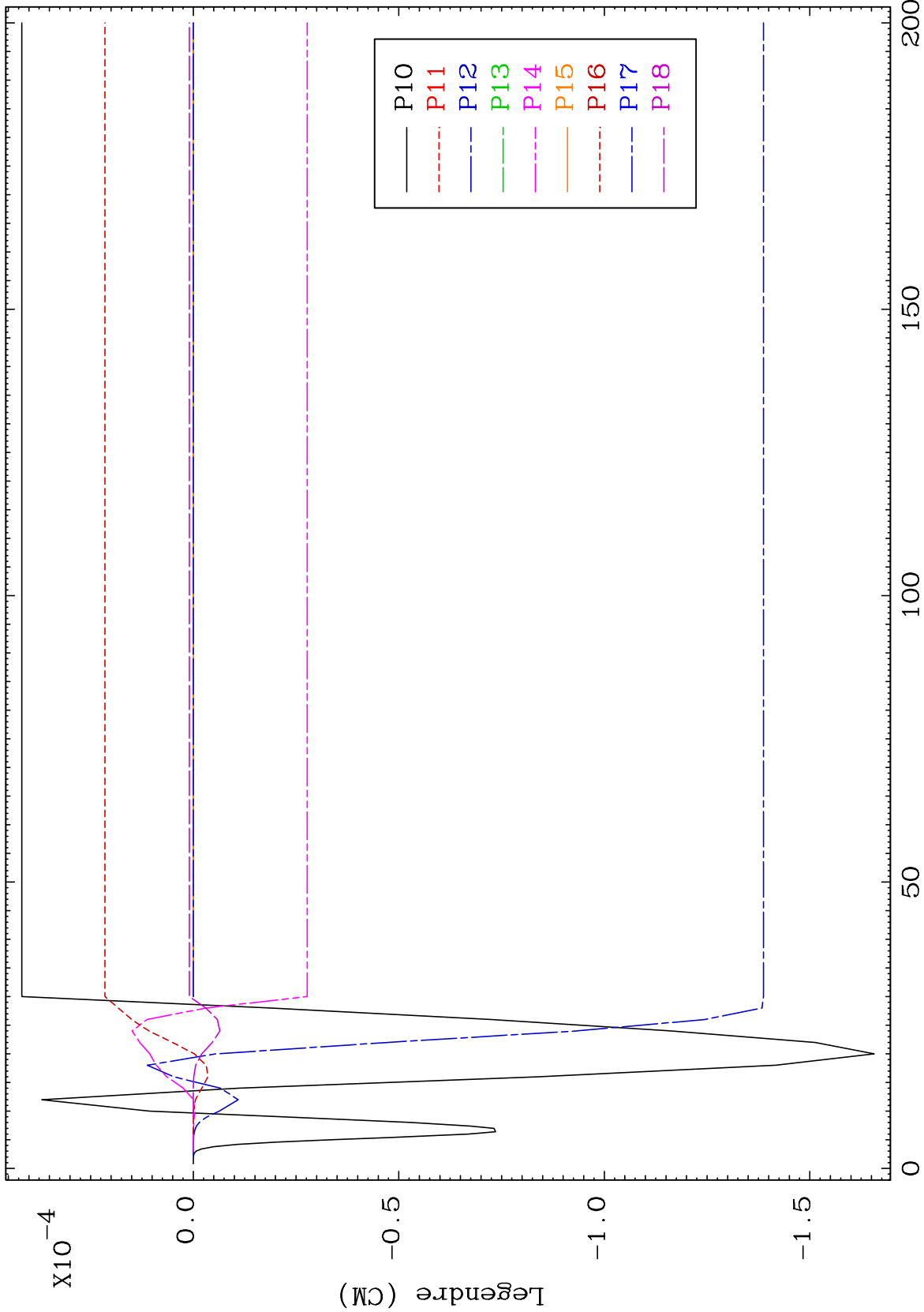
Incident Energy (MeV)

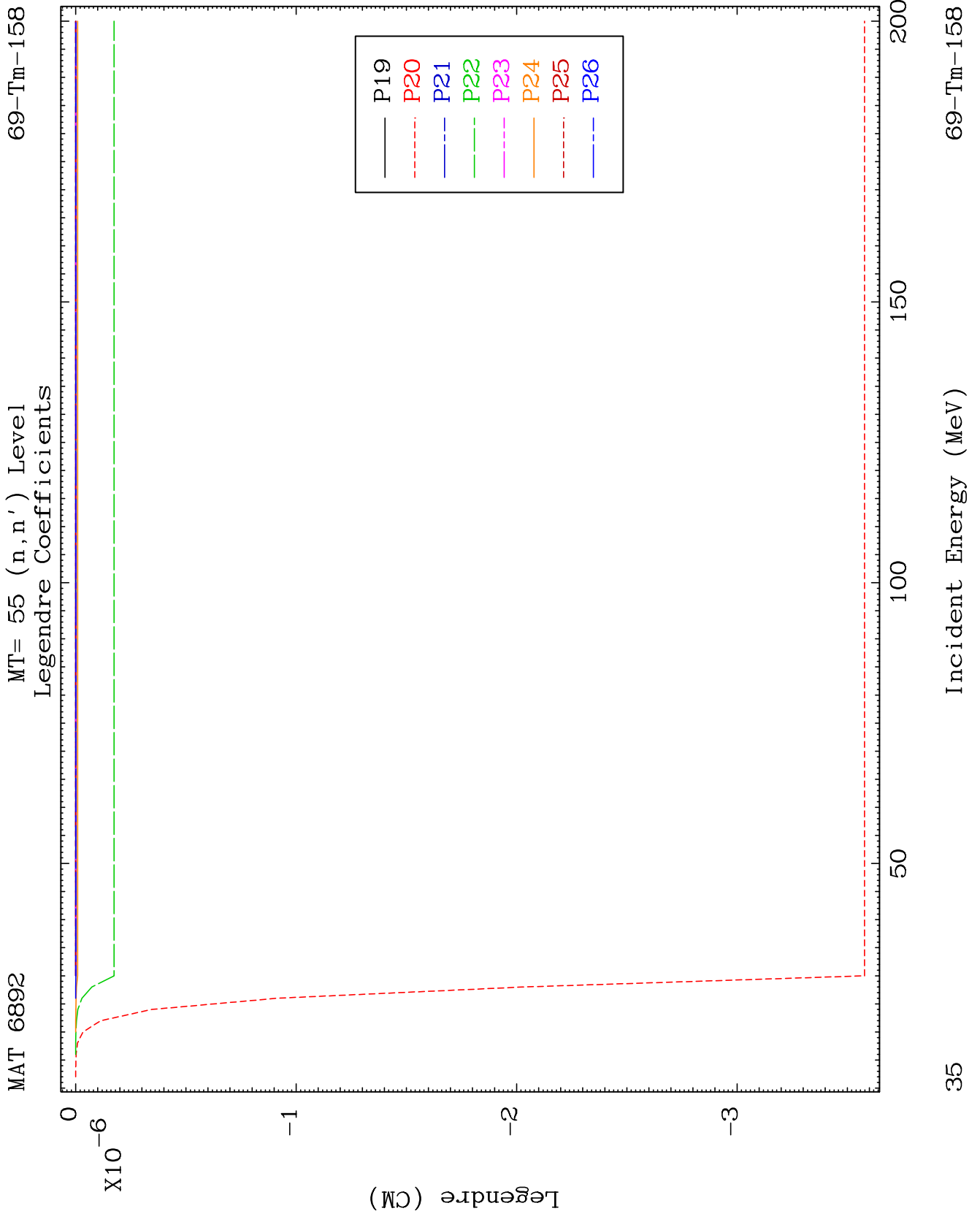
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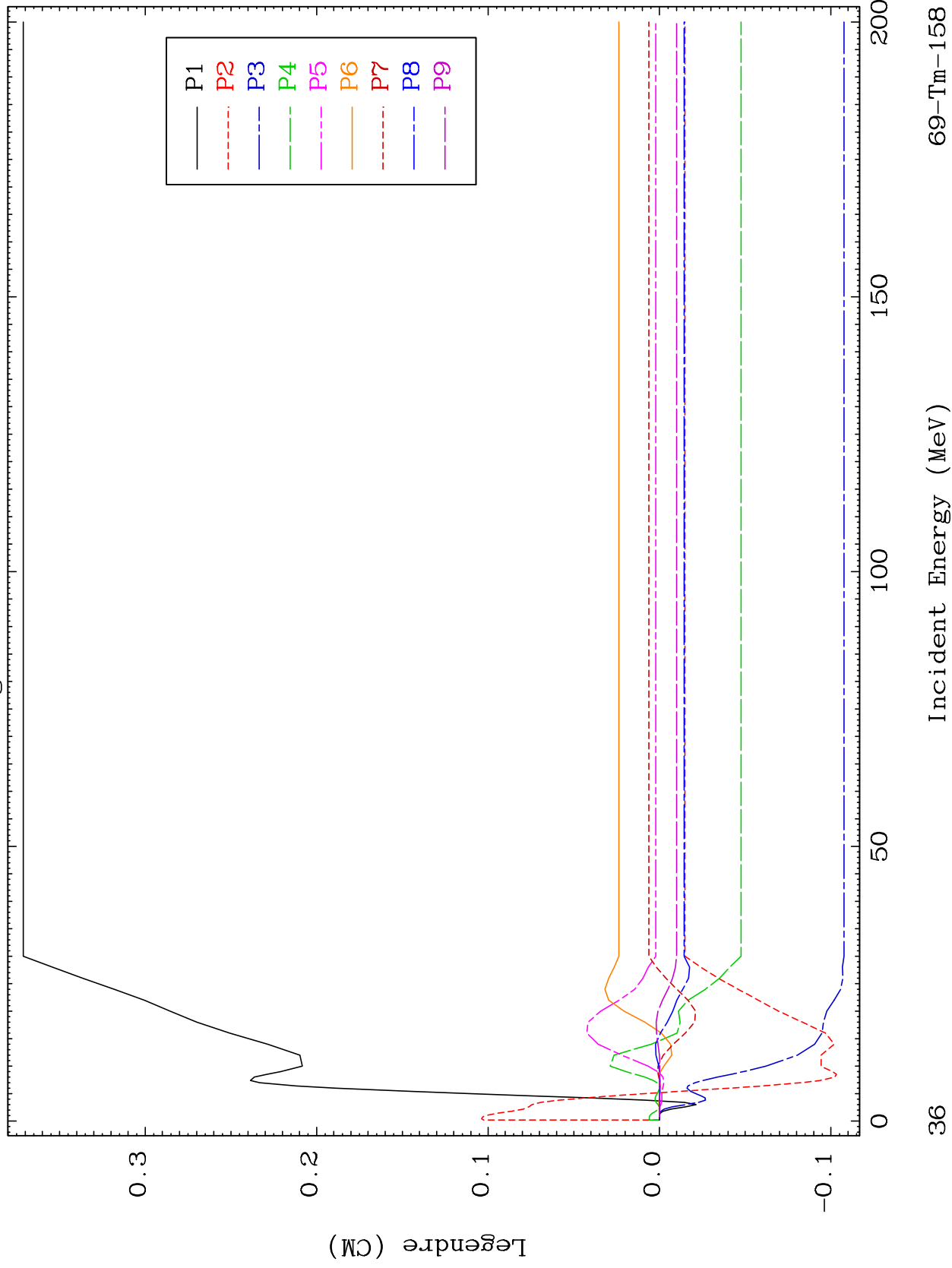




MAT 6892

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

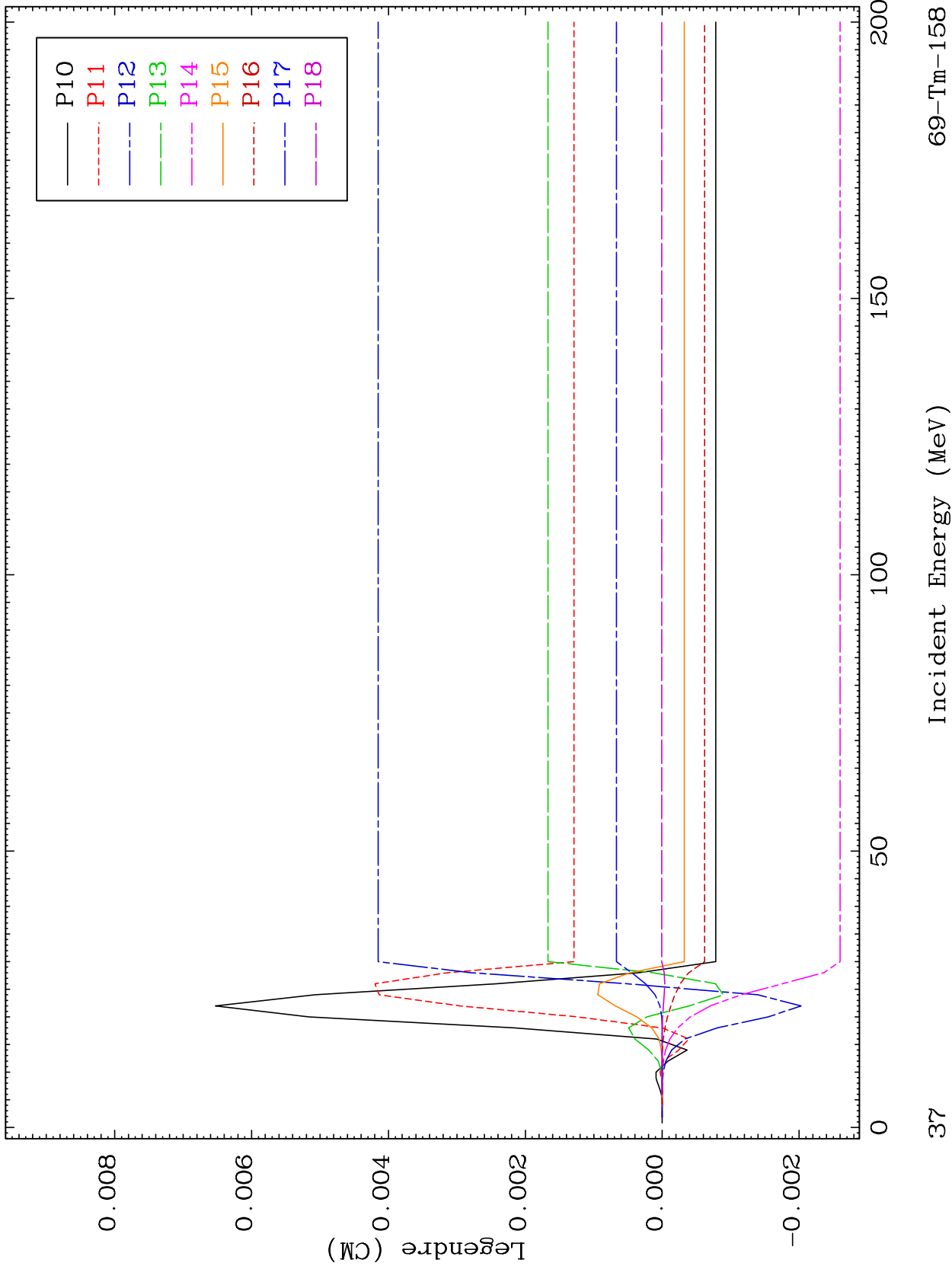
69-Tm-158



MAT 6892

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

69-Tm-158



37

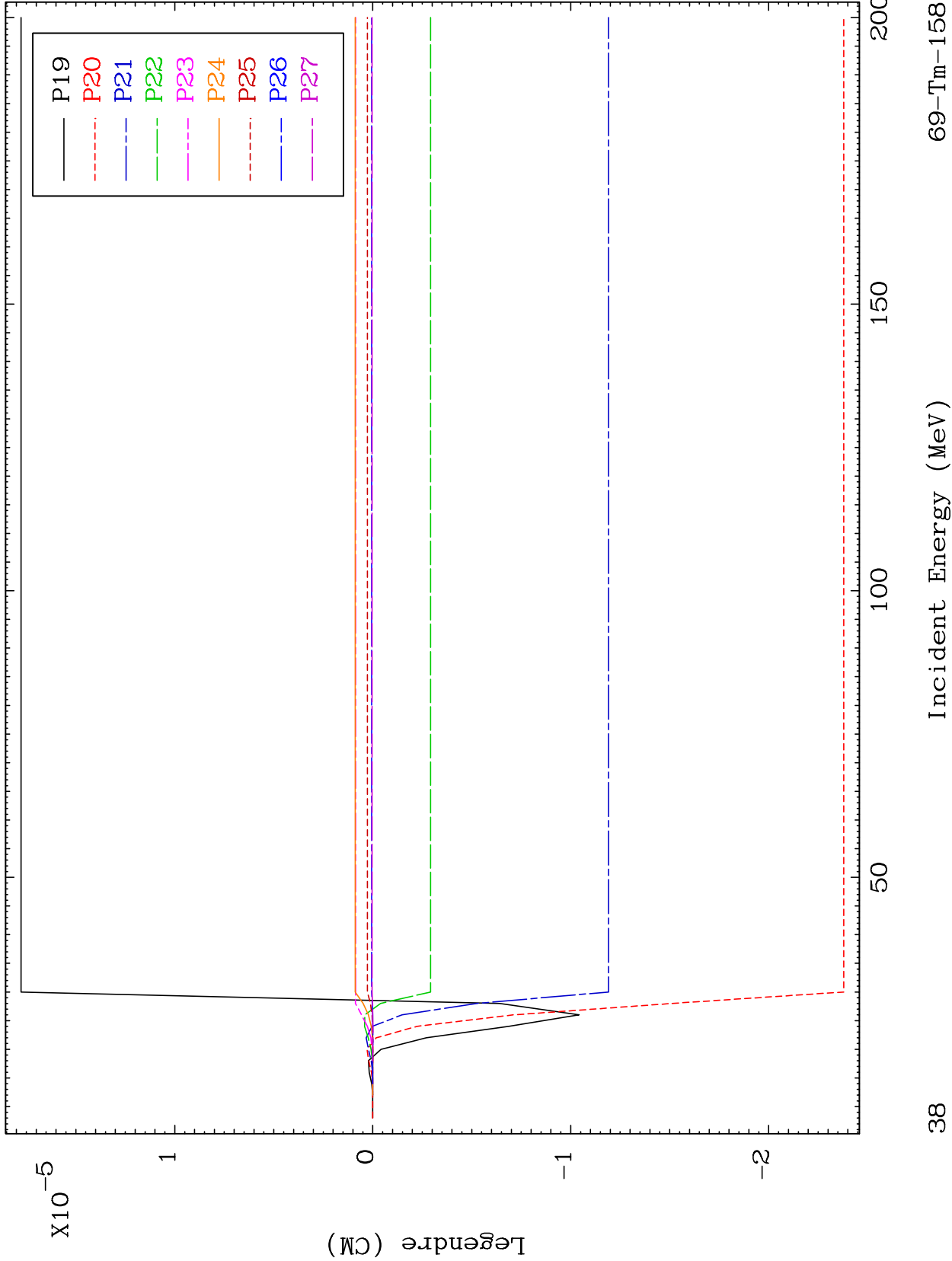
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

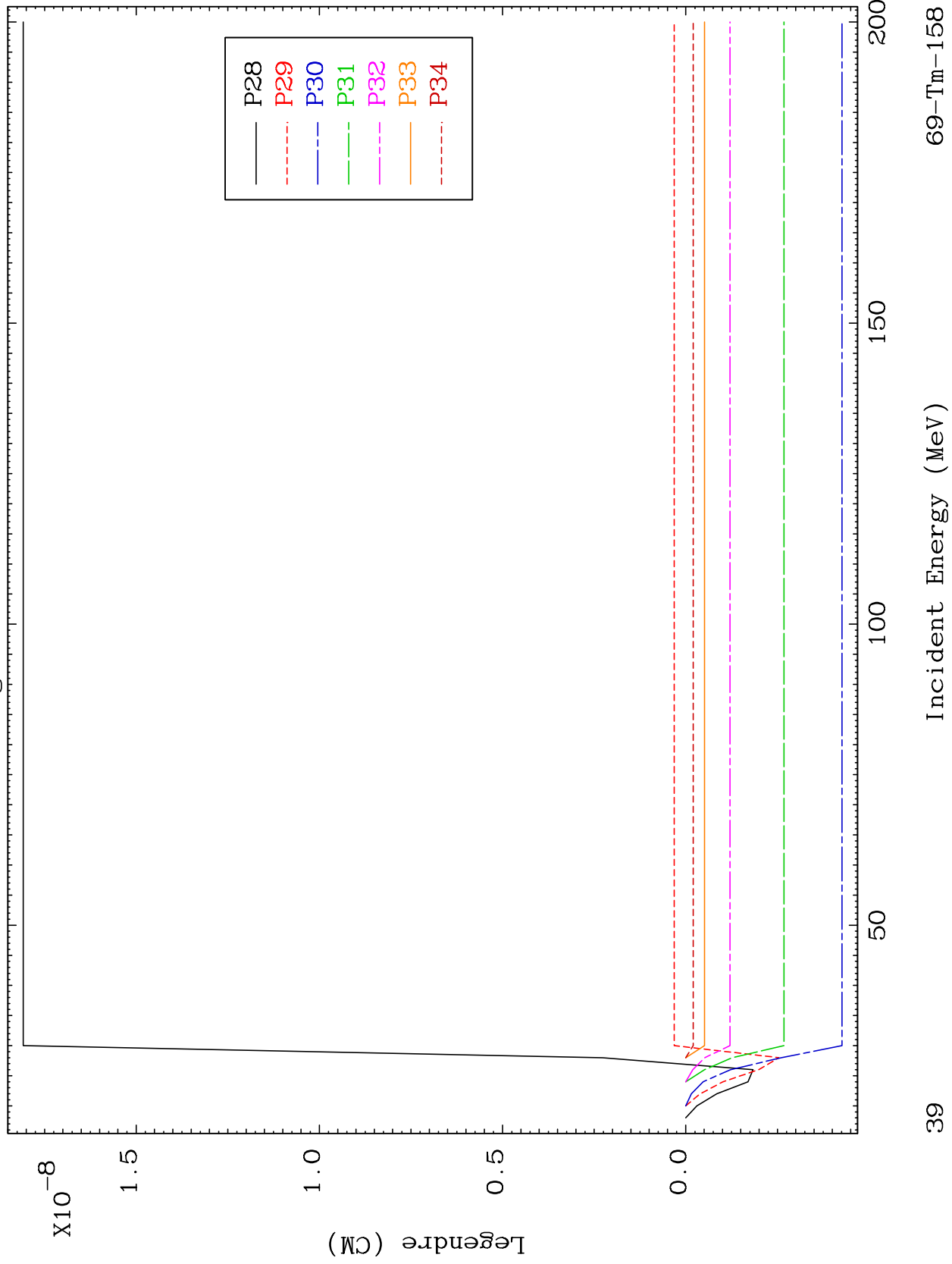
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MAT 6892

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

69-Tm-158

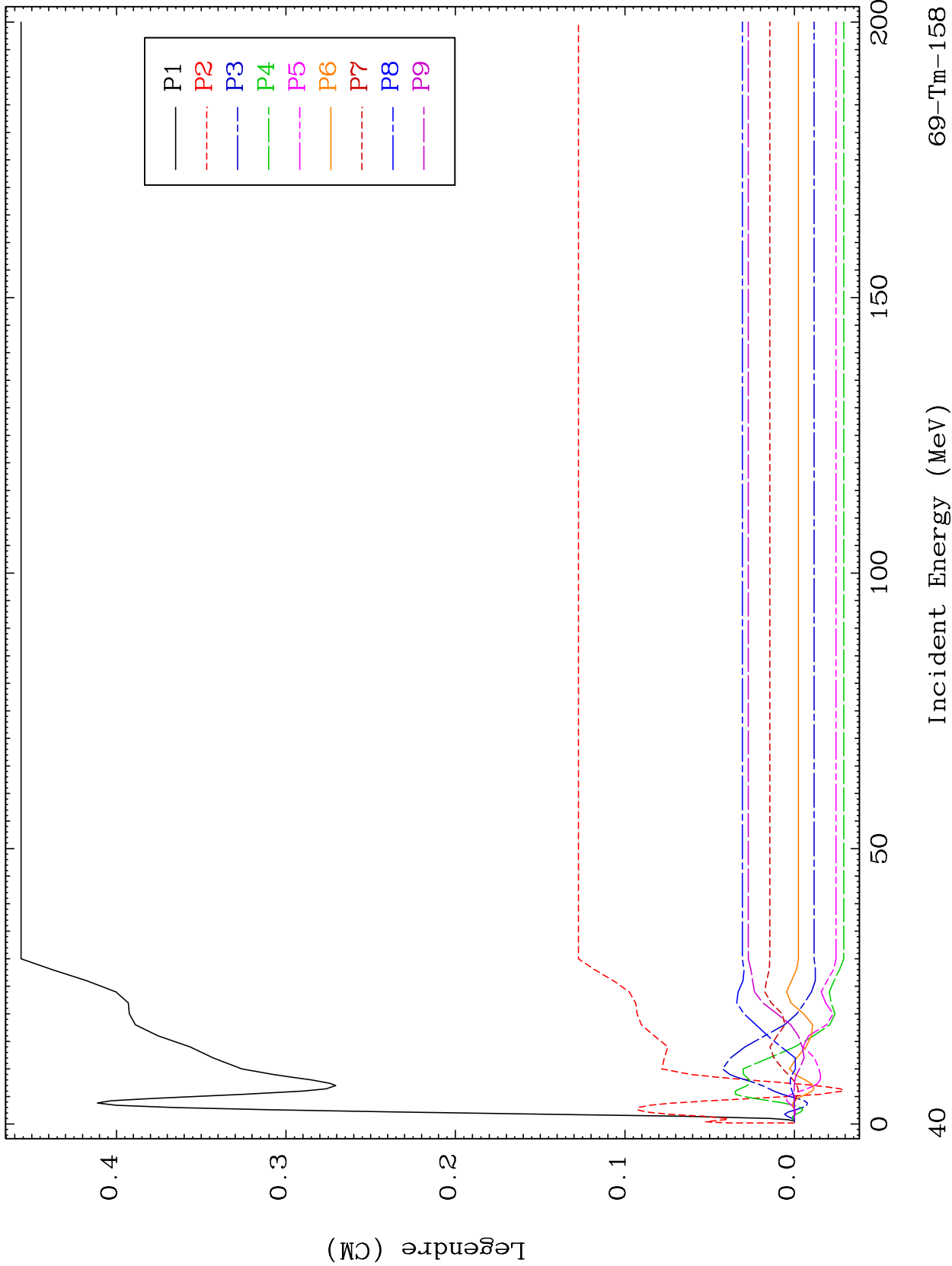




MAT 6892

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

69-Tm-158



69-Tm-158

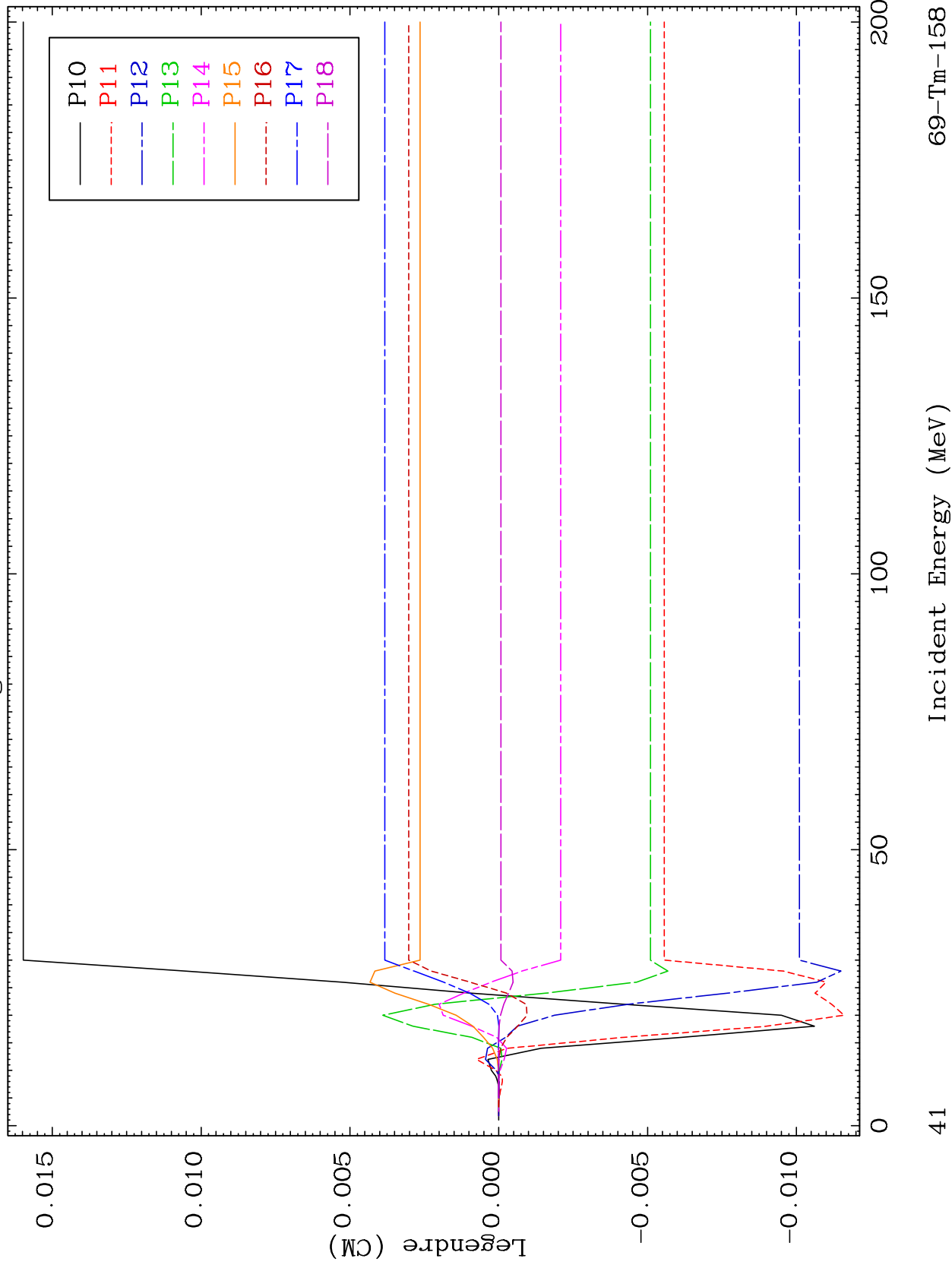
Incident Energy (MeV)

40

MAT 6892

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

69-Tm-158



41

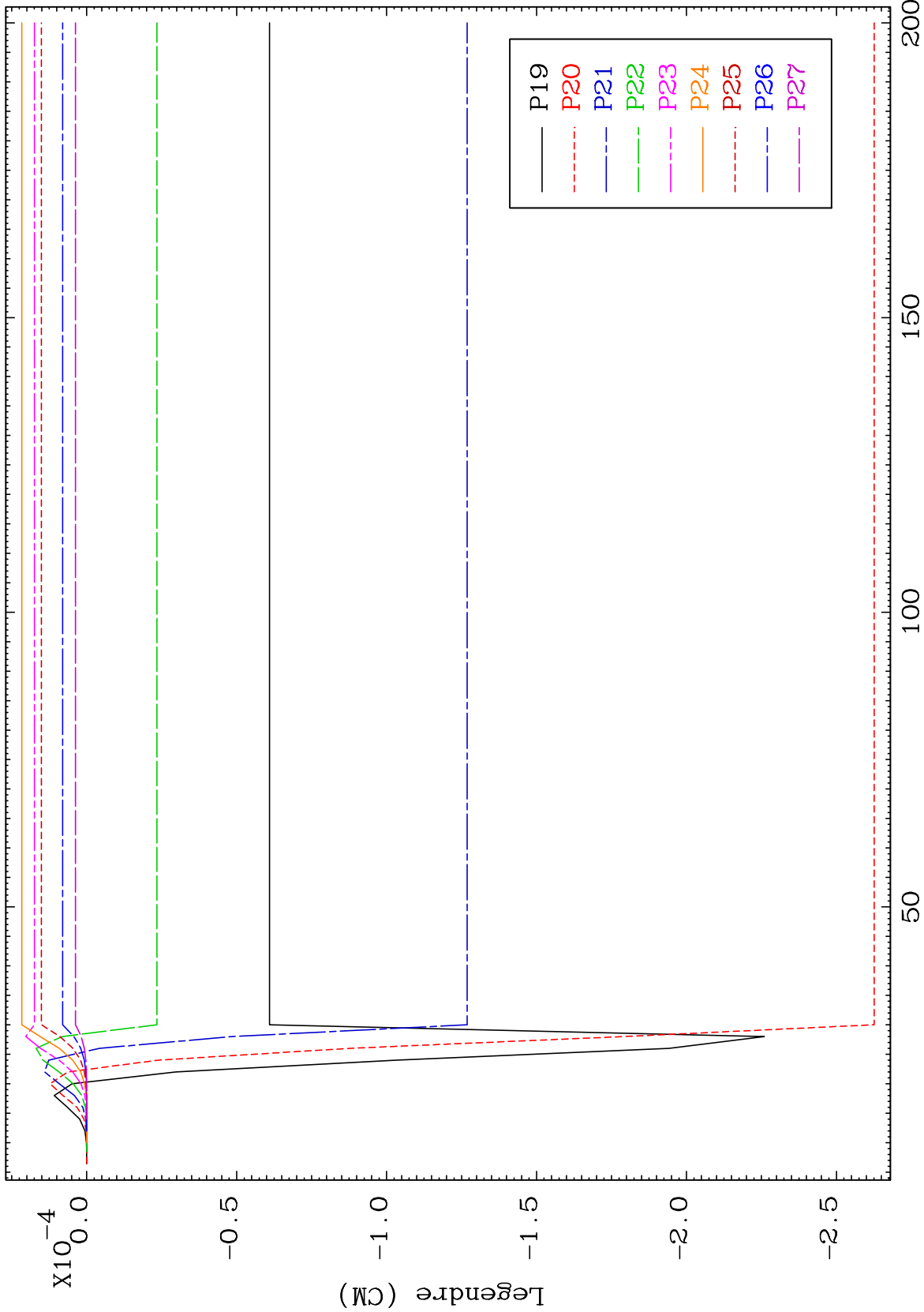
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



42

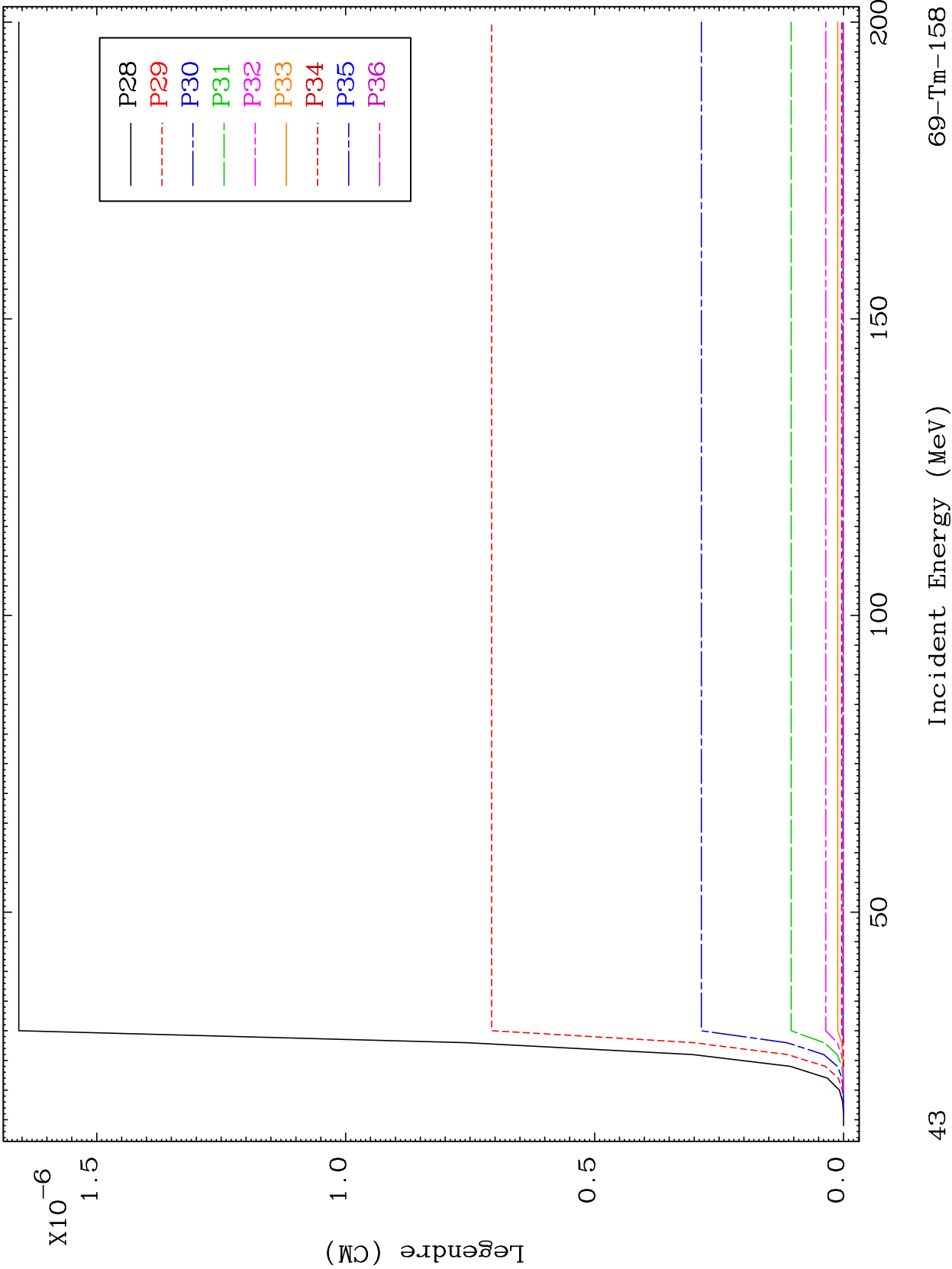
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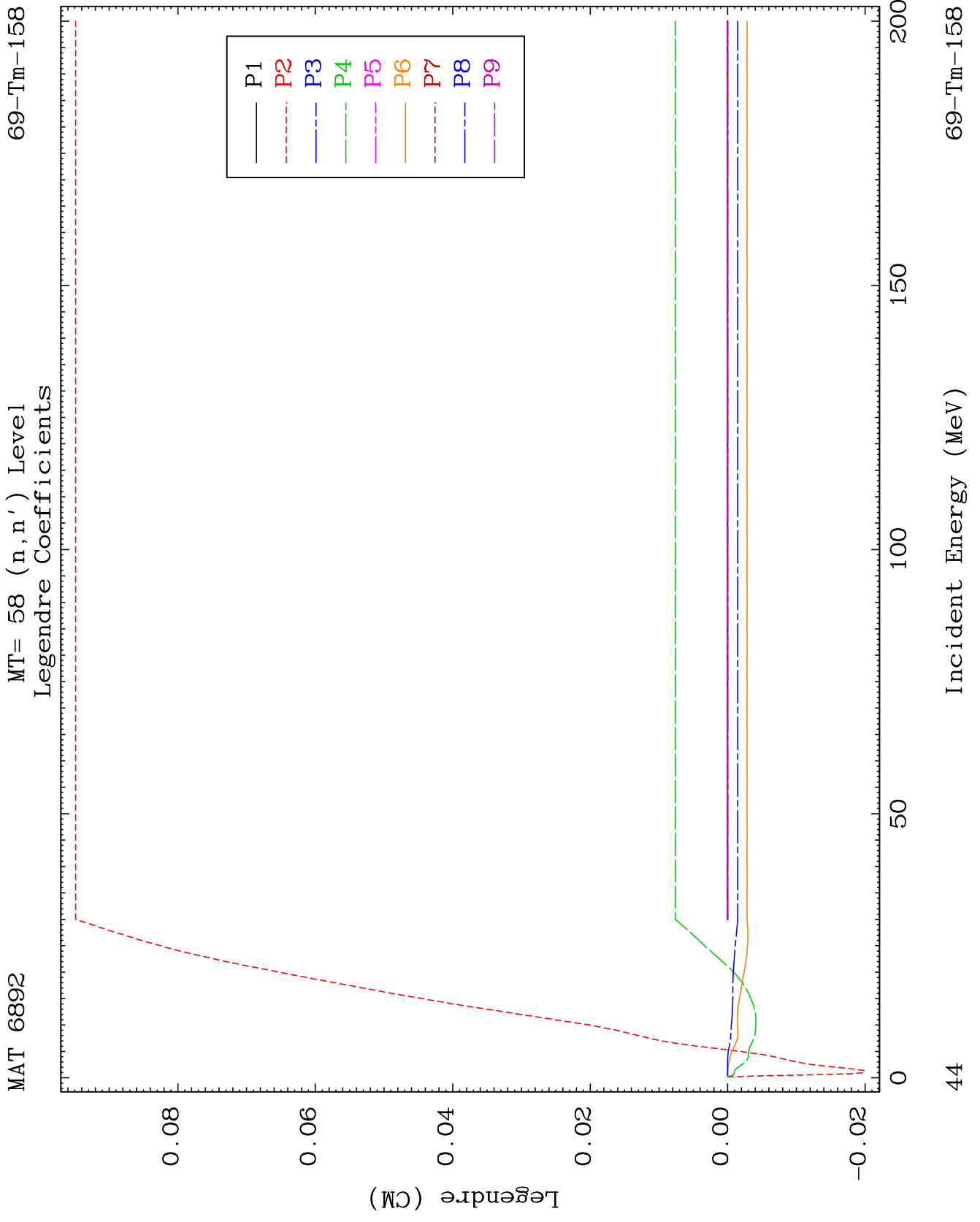
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MAT 6892

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

69-Tm-158

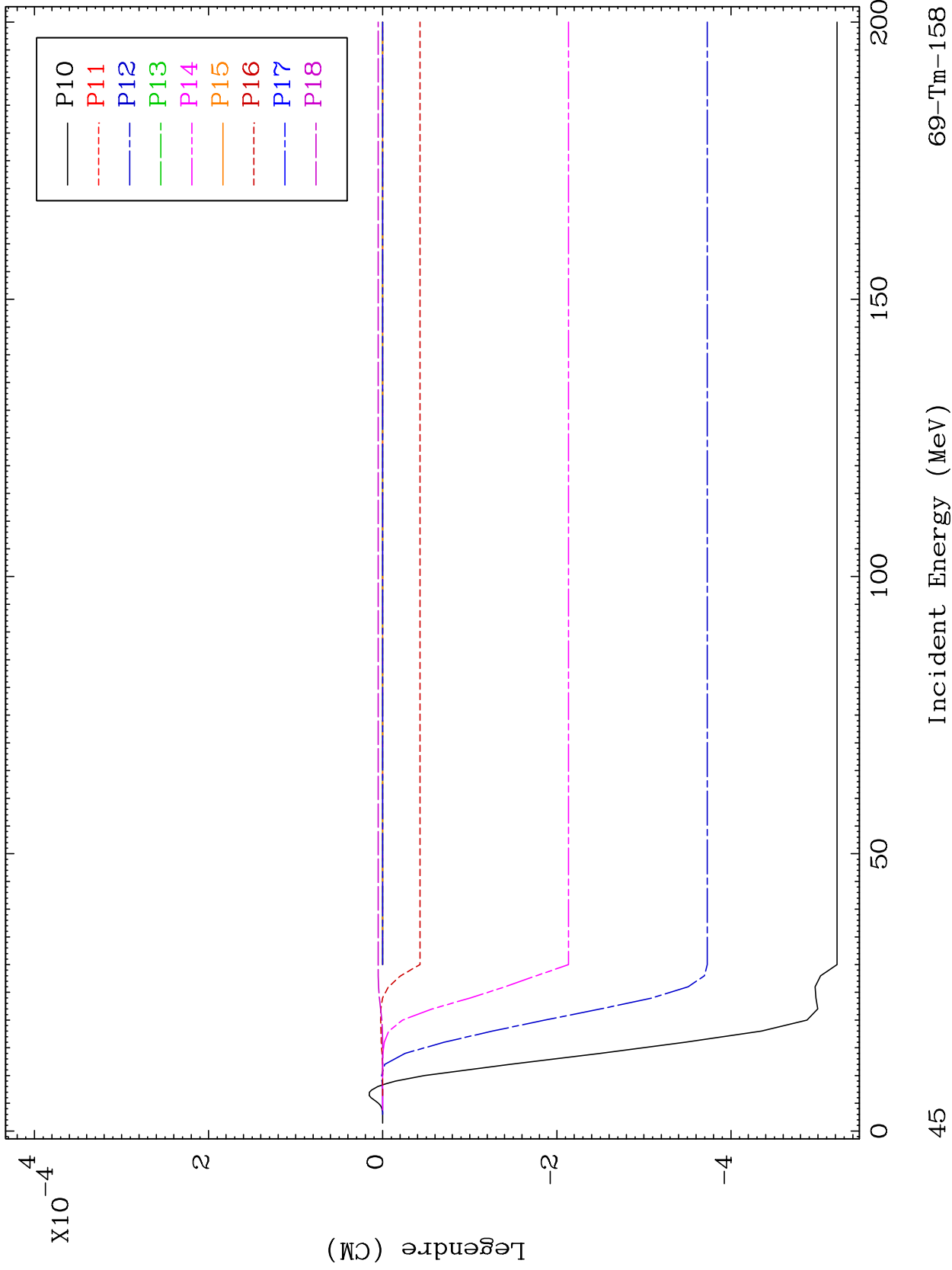


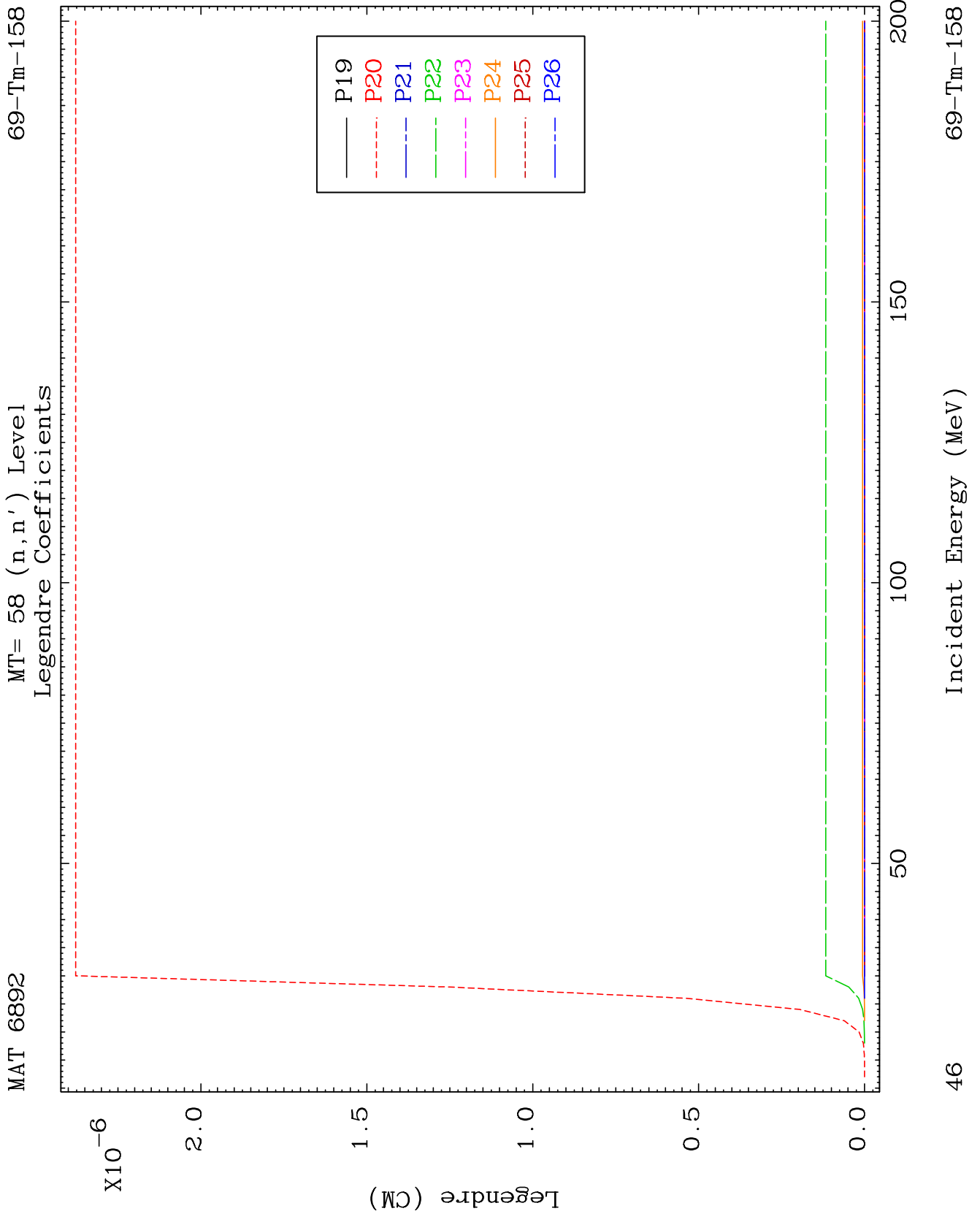


MAT 6892

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

69-Tm-158

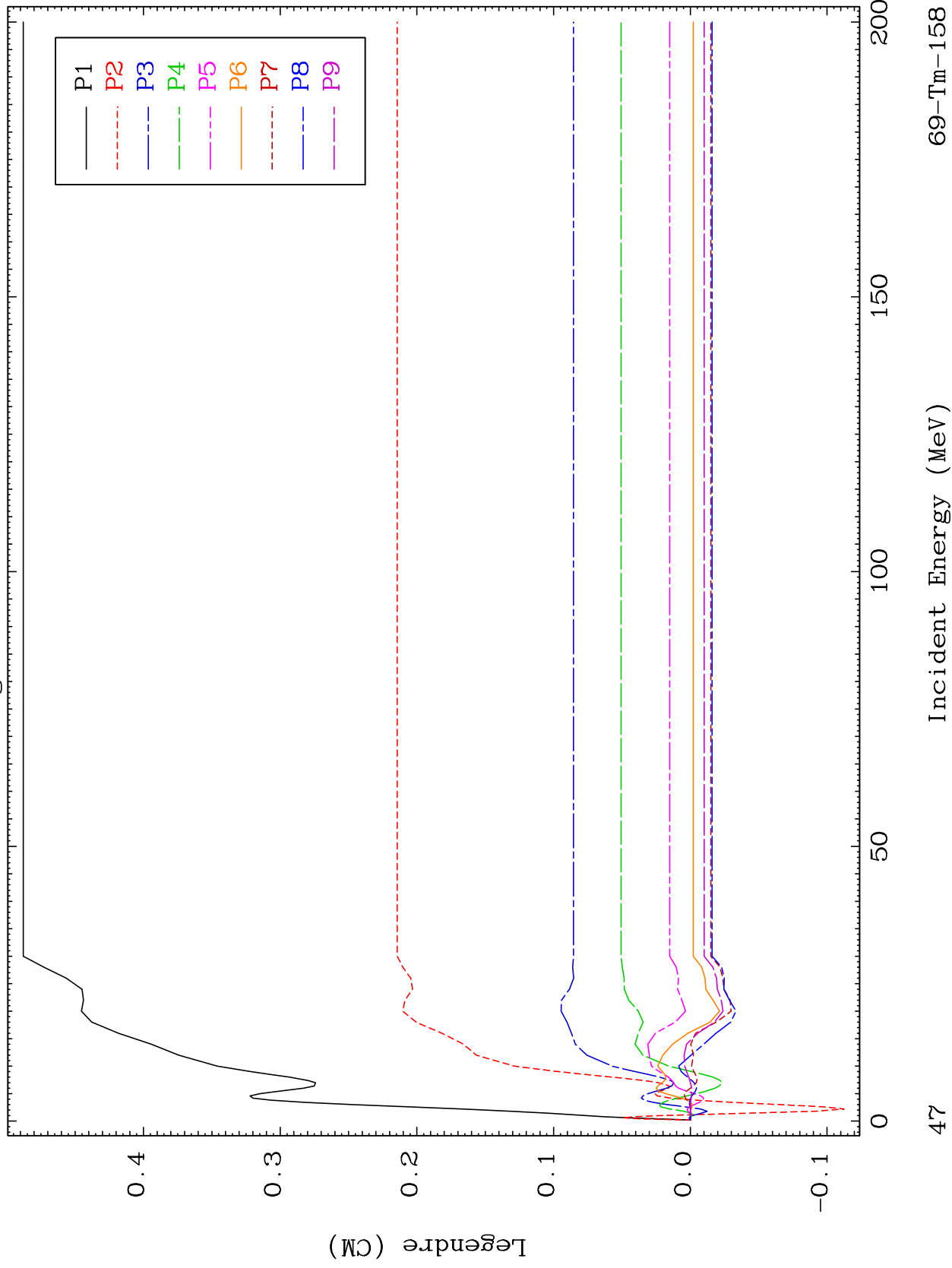




MAT 6892

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

69-Tm-158



69-Tm-158

Incident Energy (MeV)

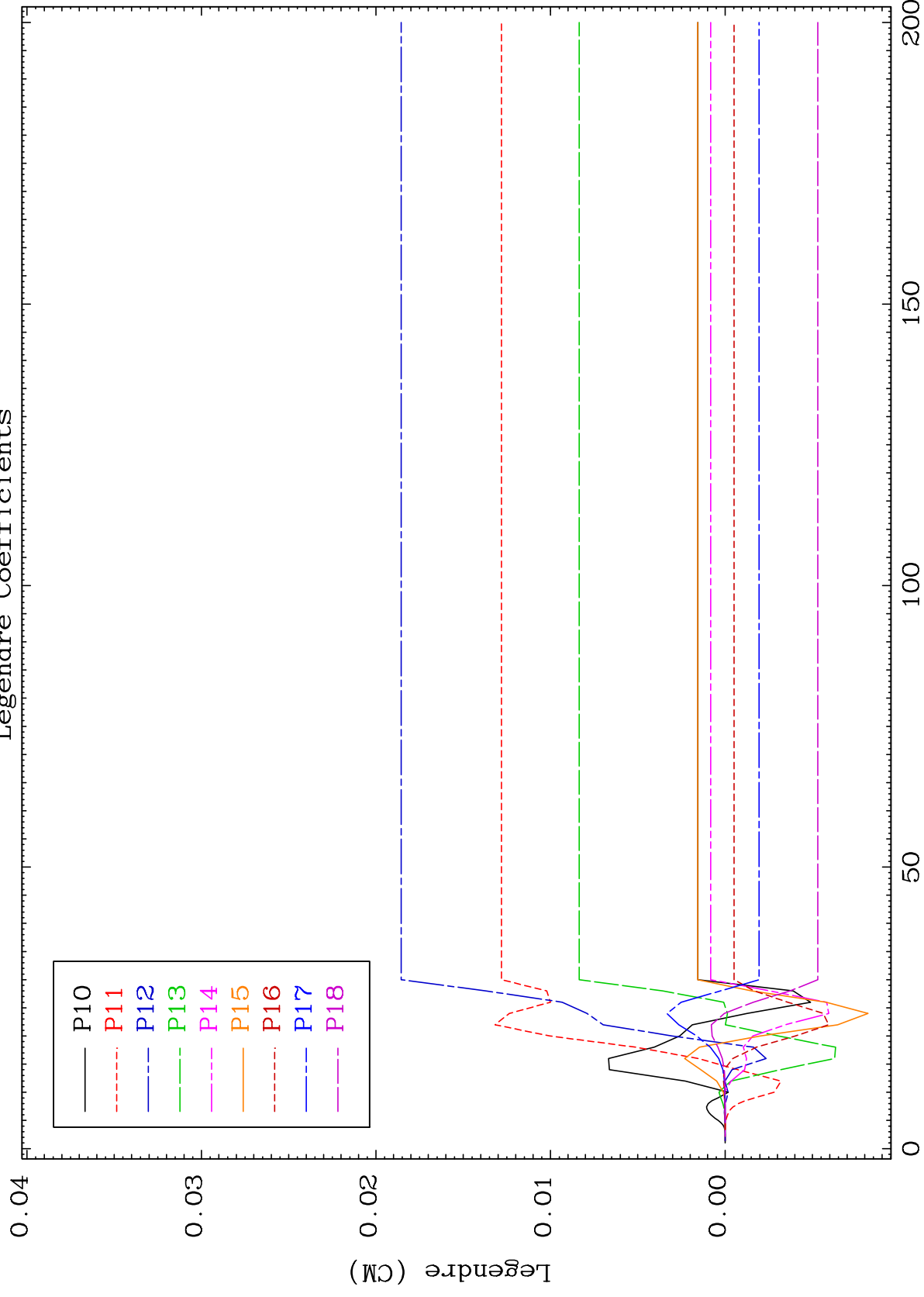
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MAT 6892

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

69-Tm-158



48

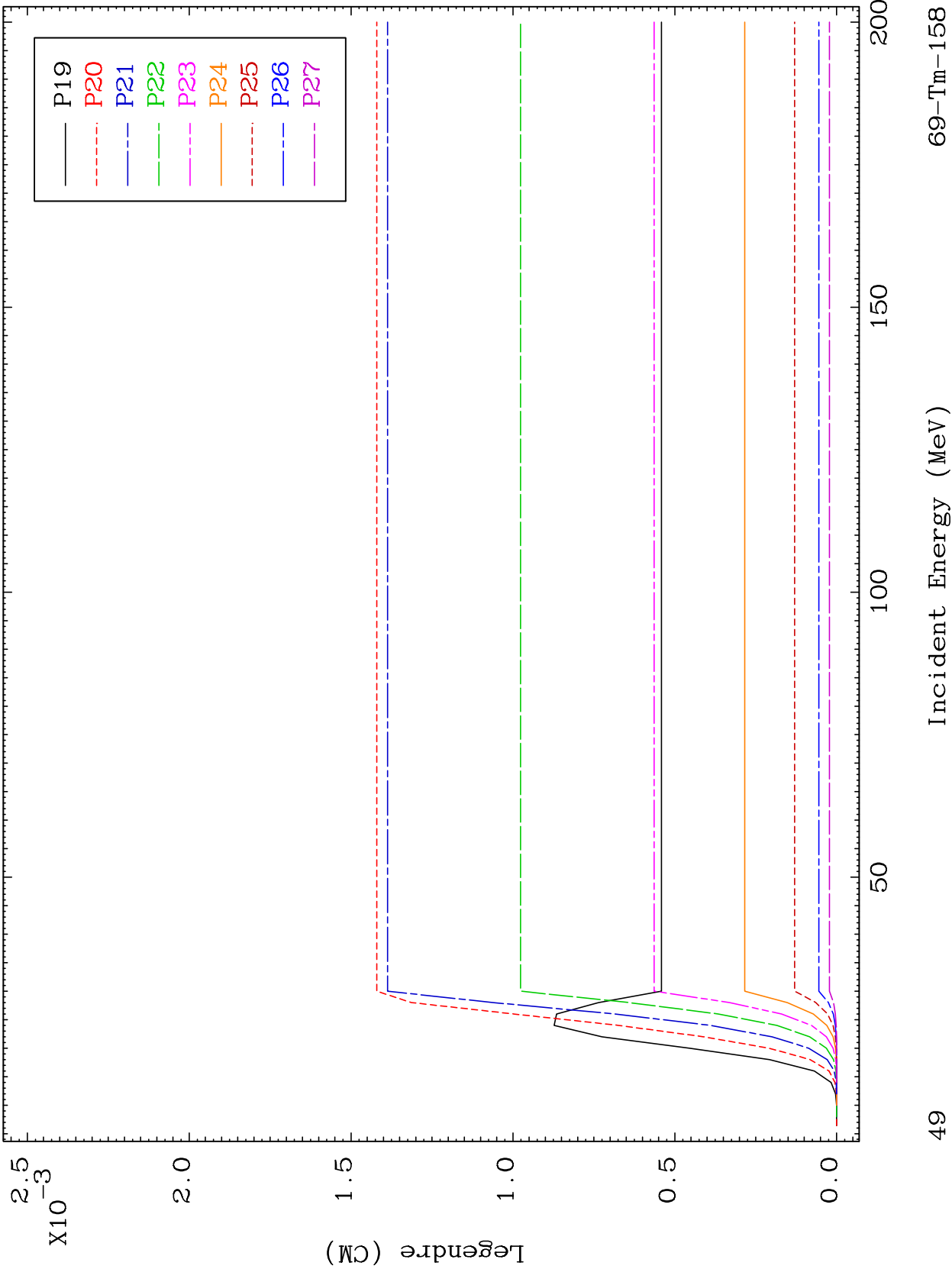
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

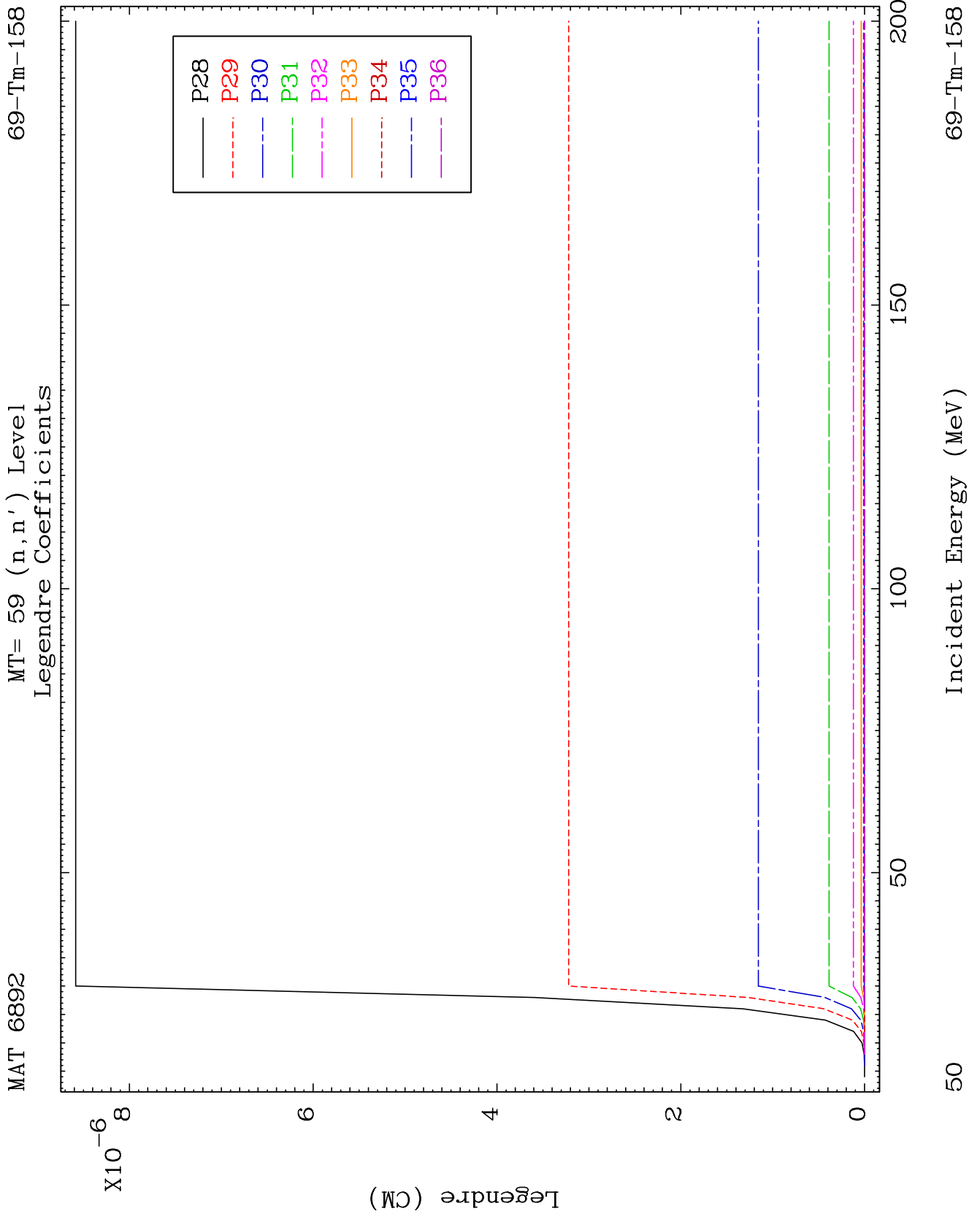
69-Tm-158



49

Incident Energy (MeV)

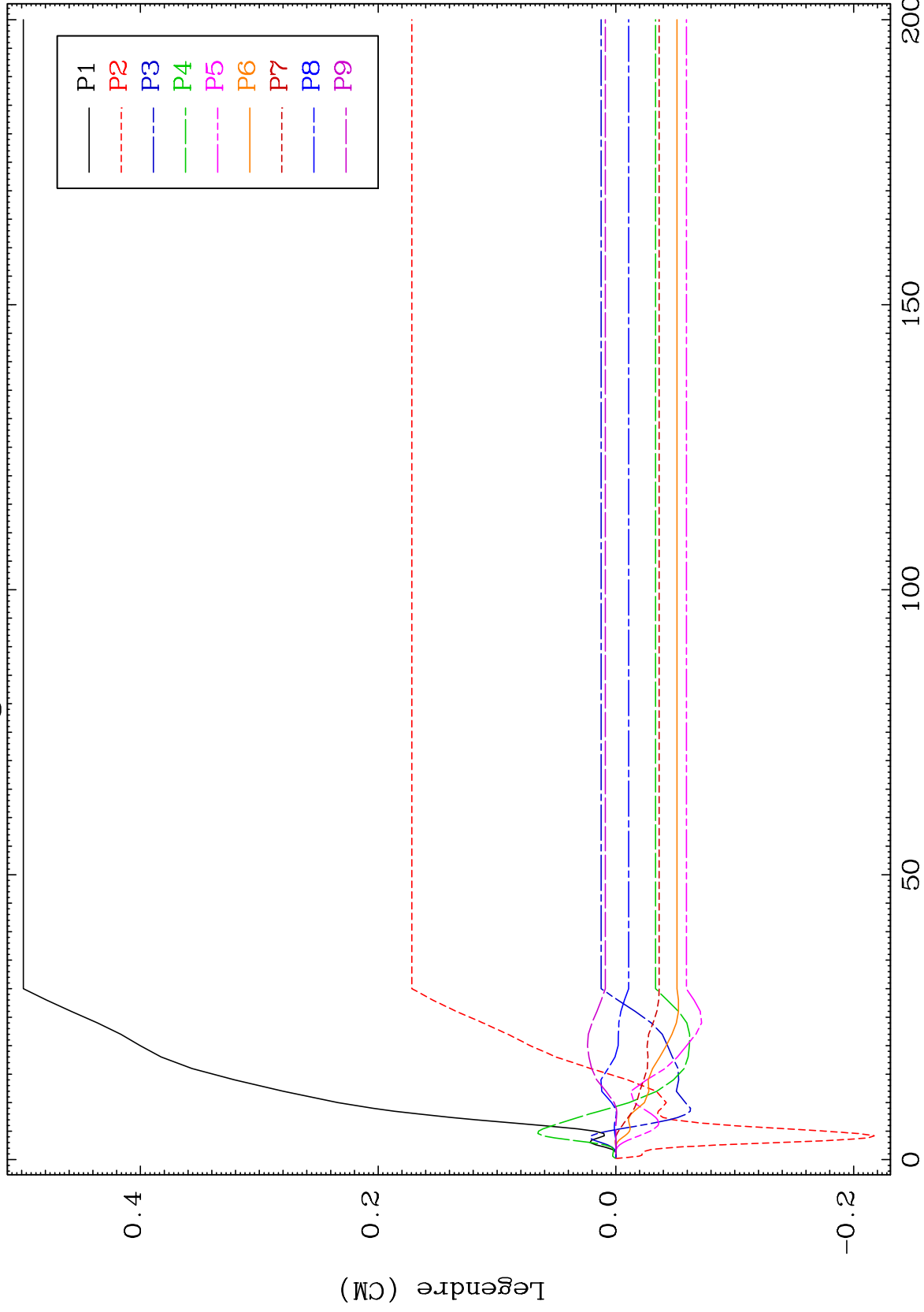
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MAT 6892

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

69-Tm-158



51

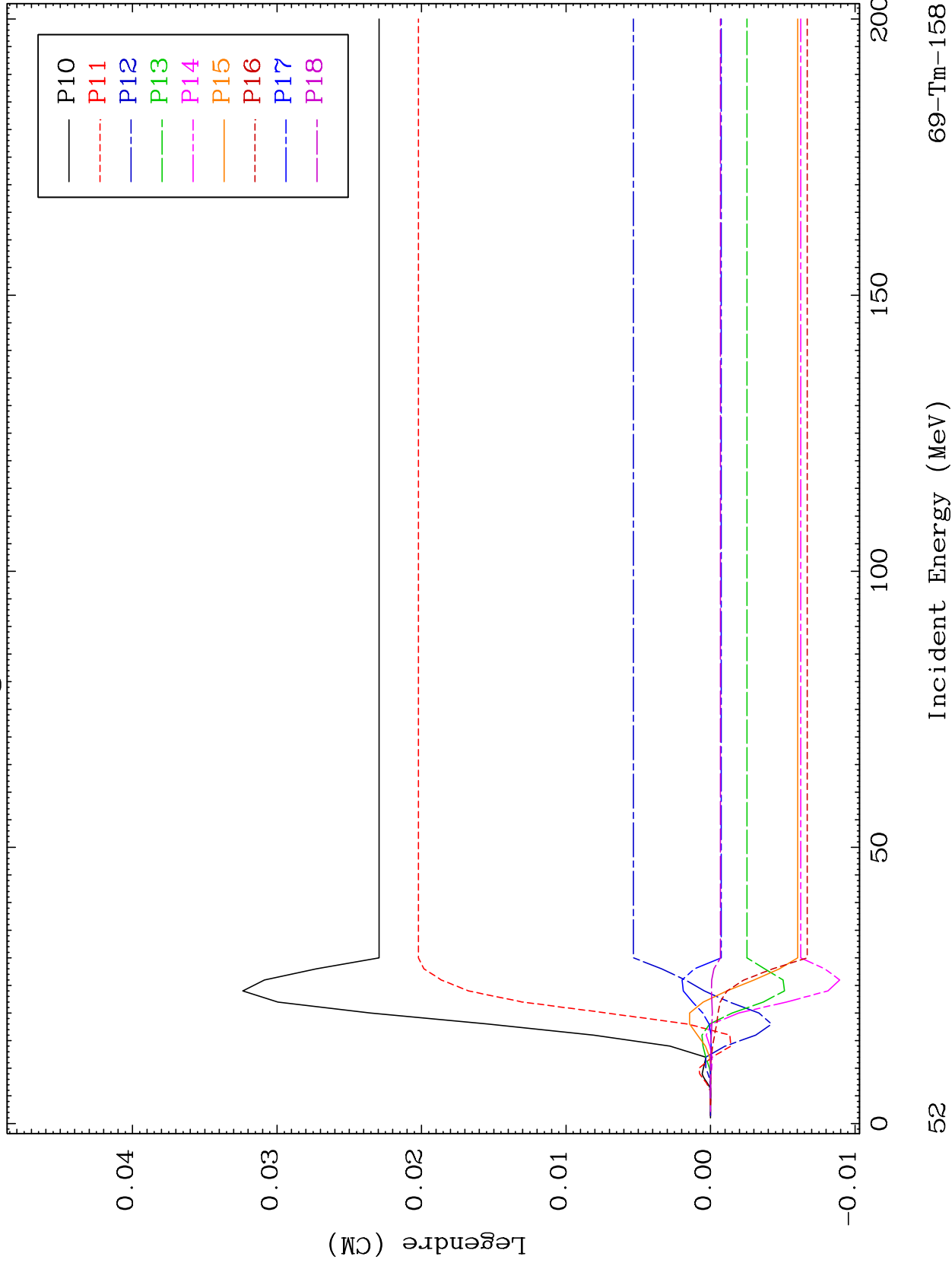
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

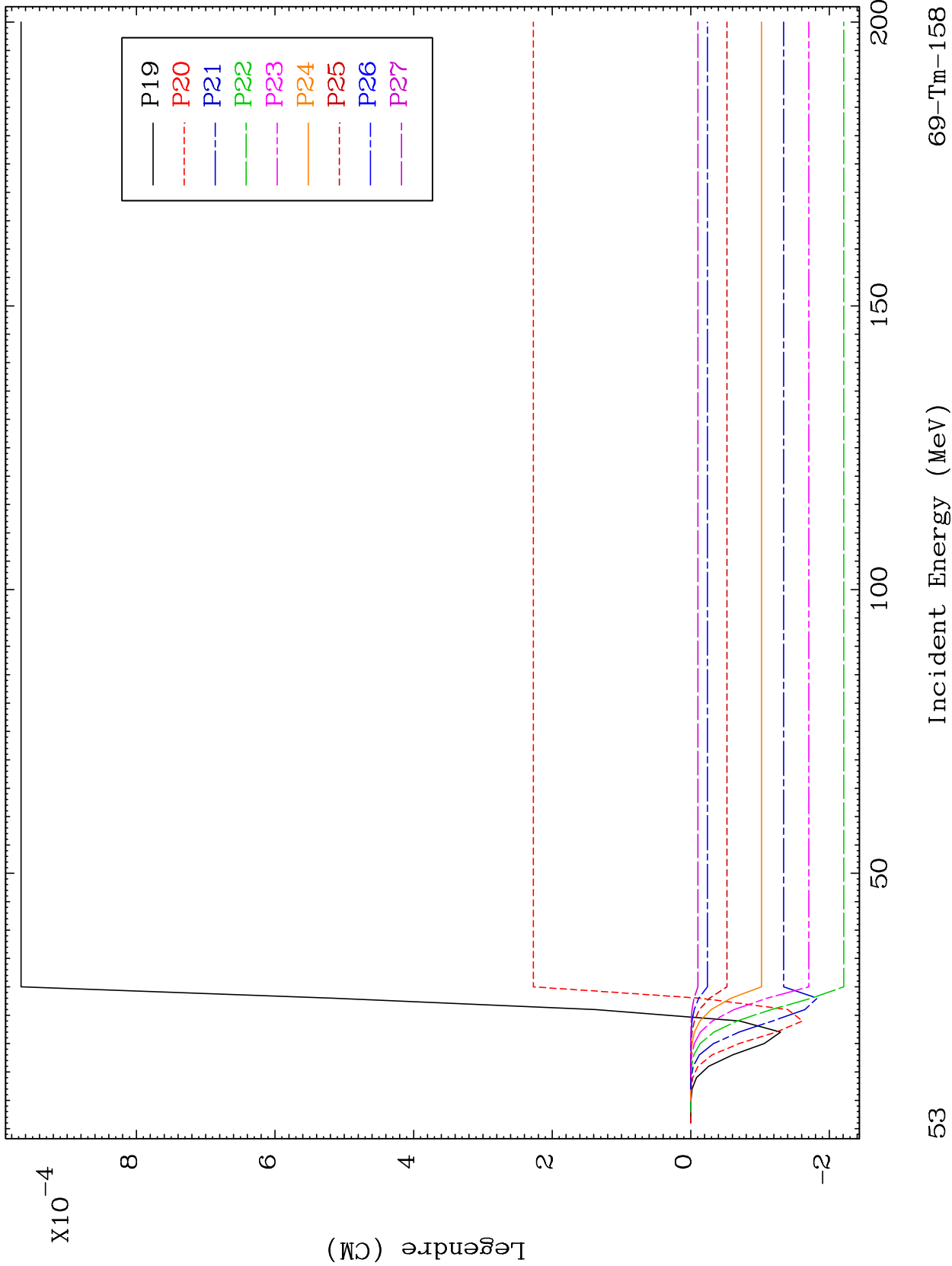
Incident Energy (MeV)

52

MAT 6892

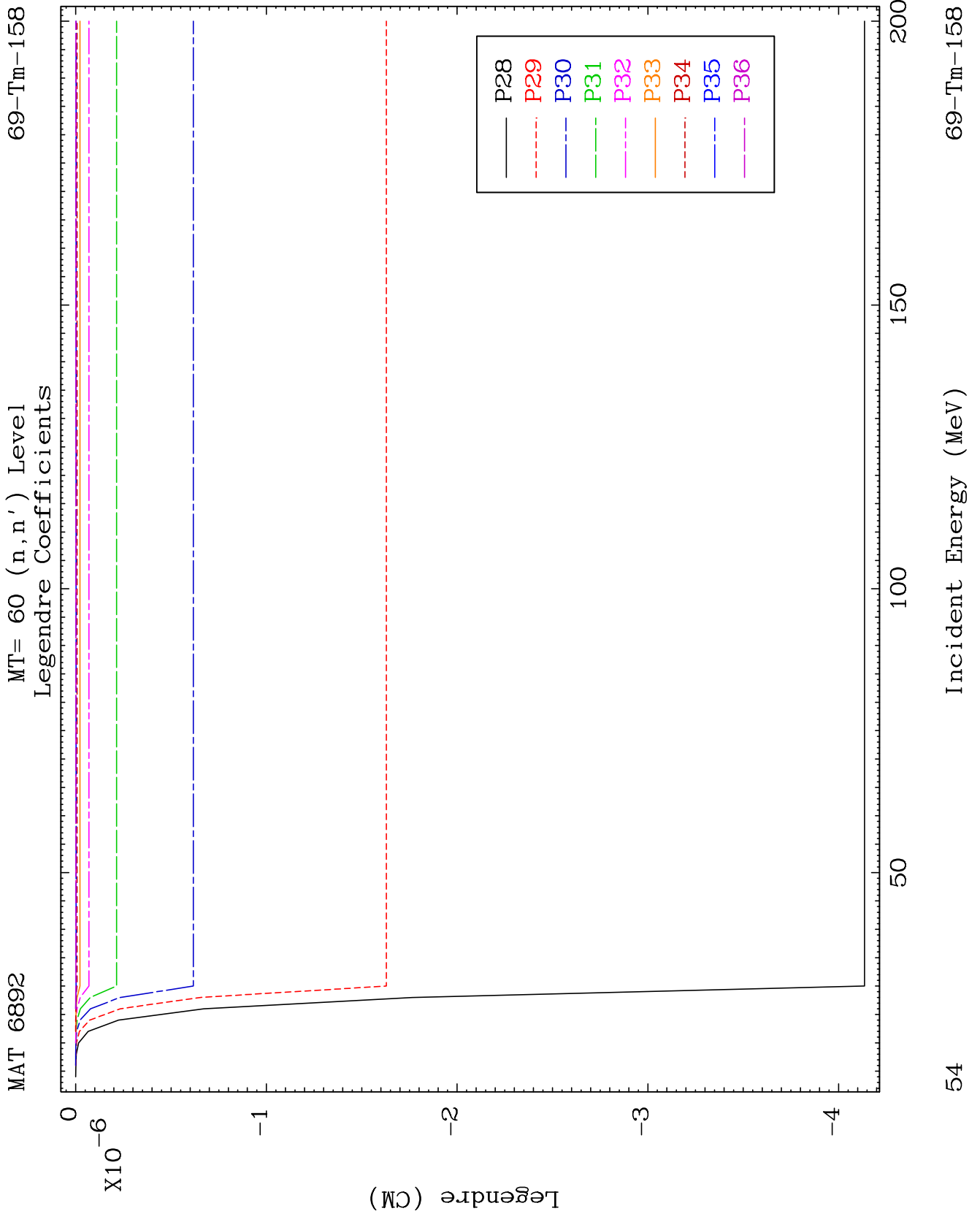
MT= 60 (n,n') Level  
Legendre Coefficients

69-Tm-158



53

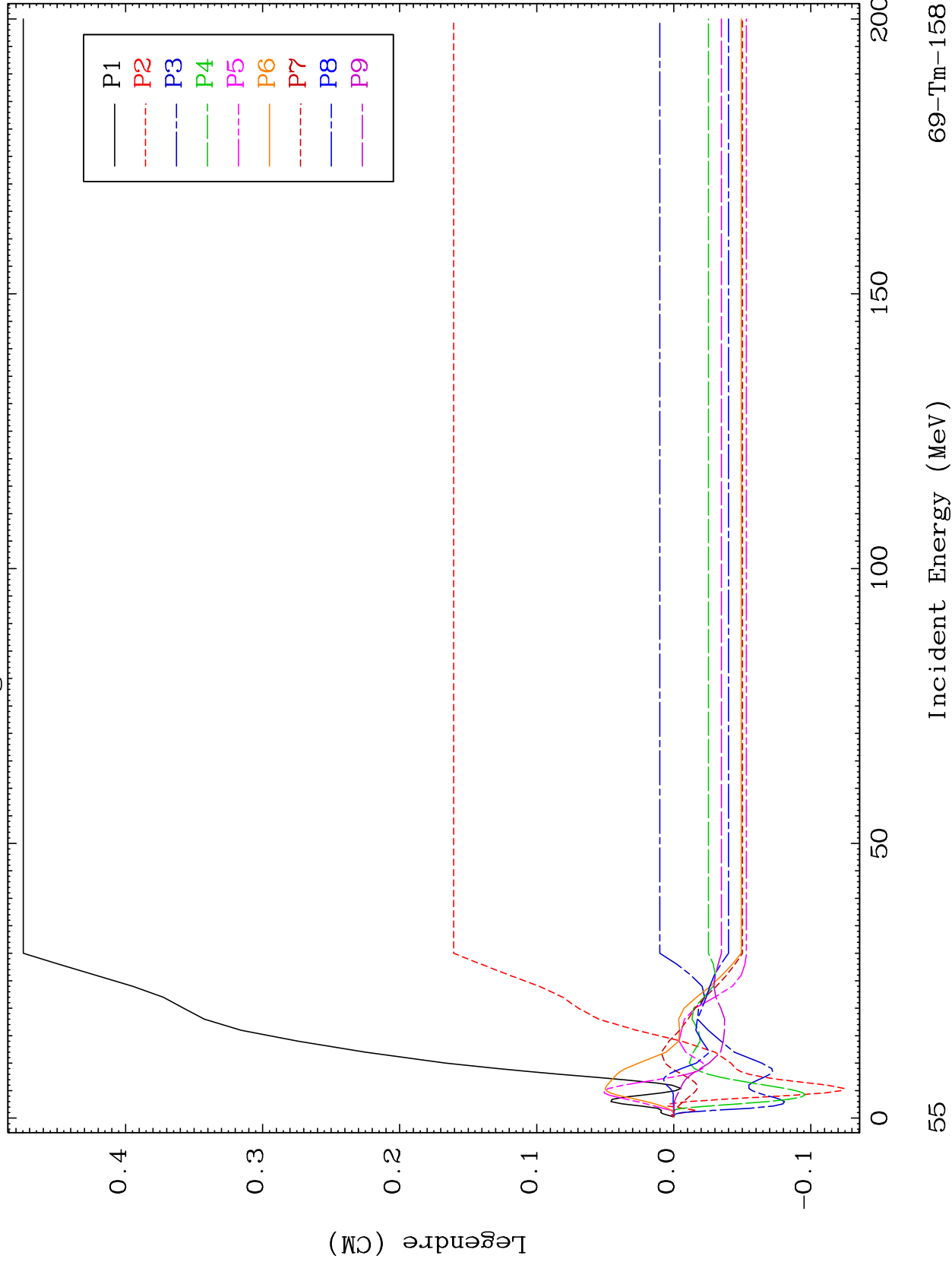
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

Incident Energy (MeV)

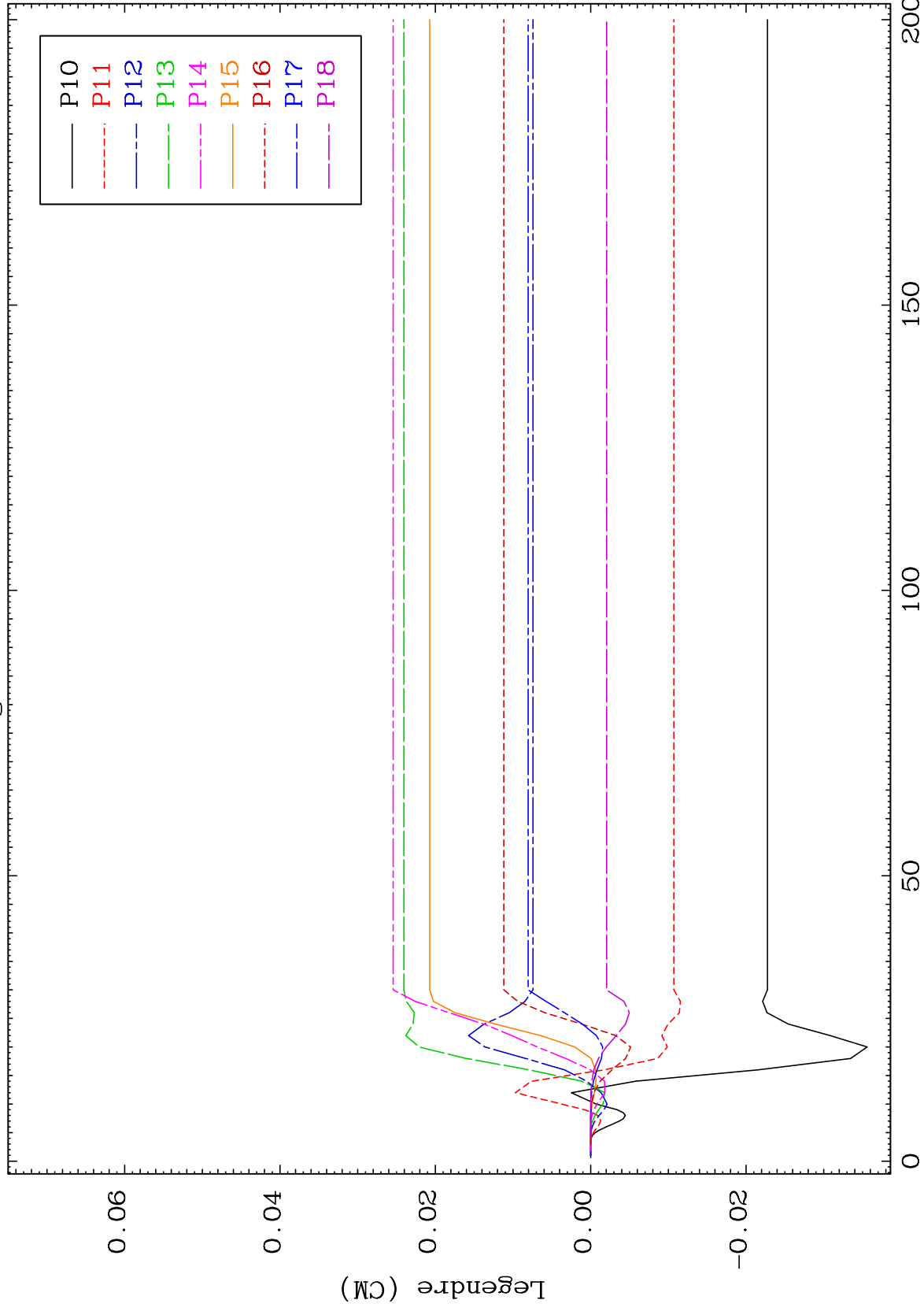
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MAT 6892

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

69-Tm-158



56

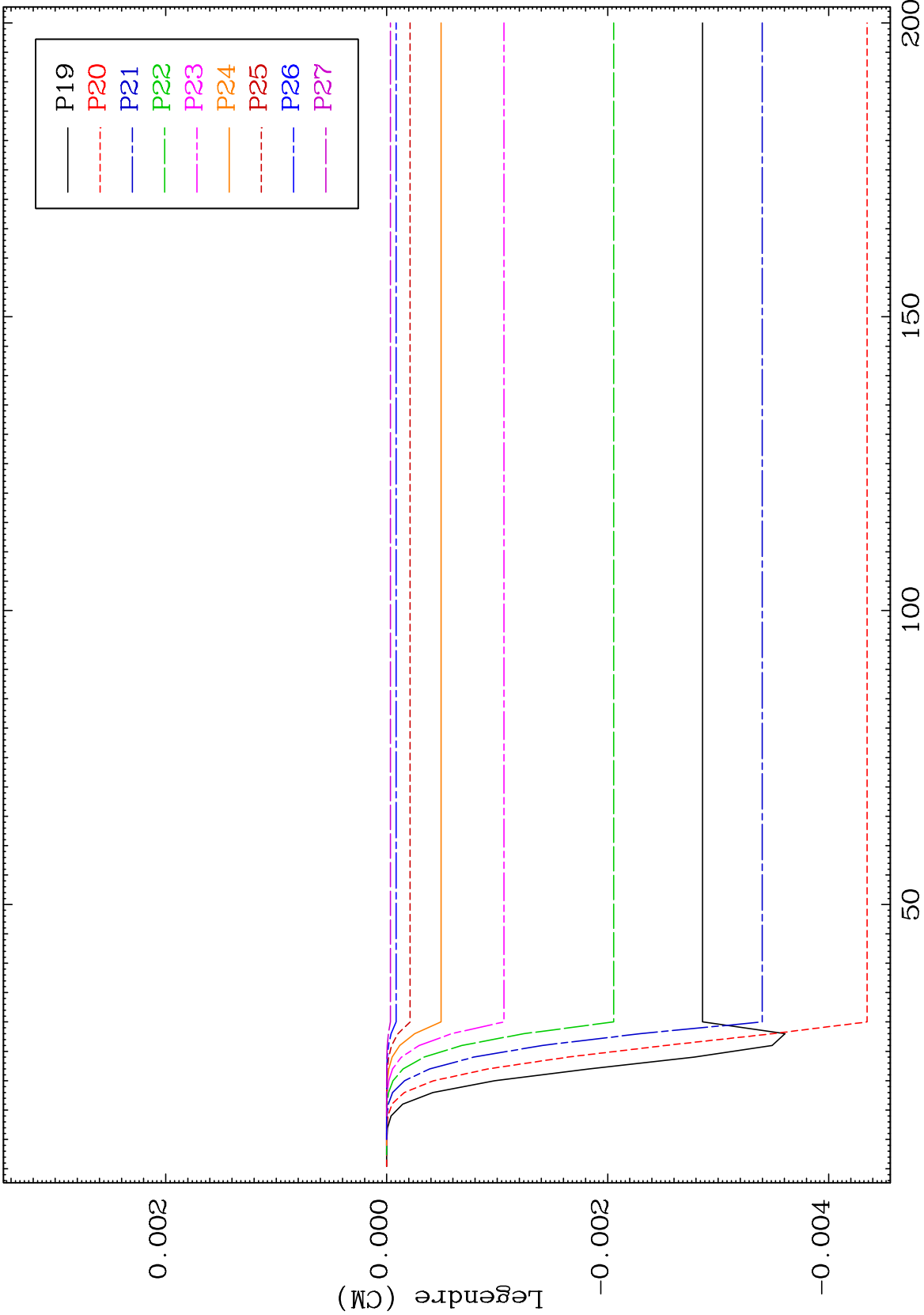
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

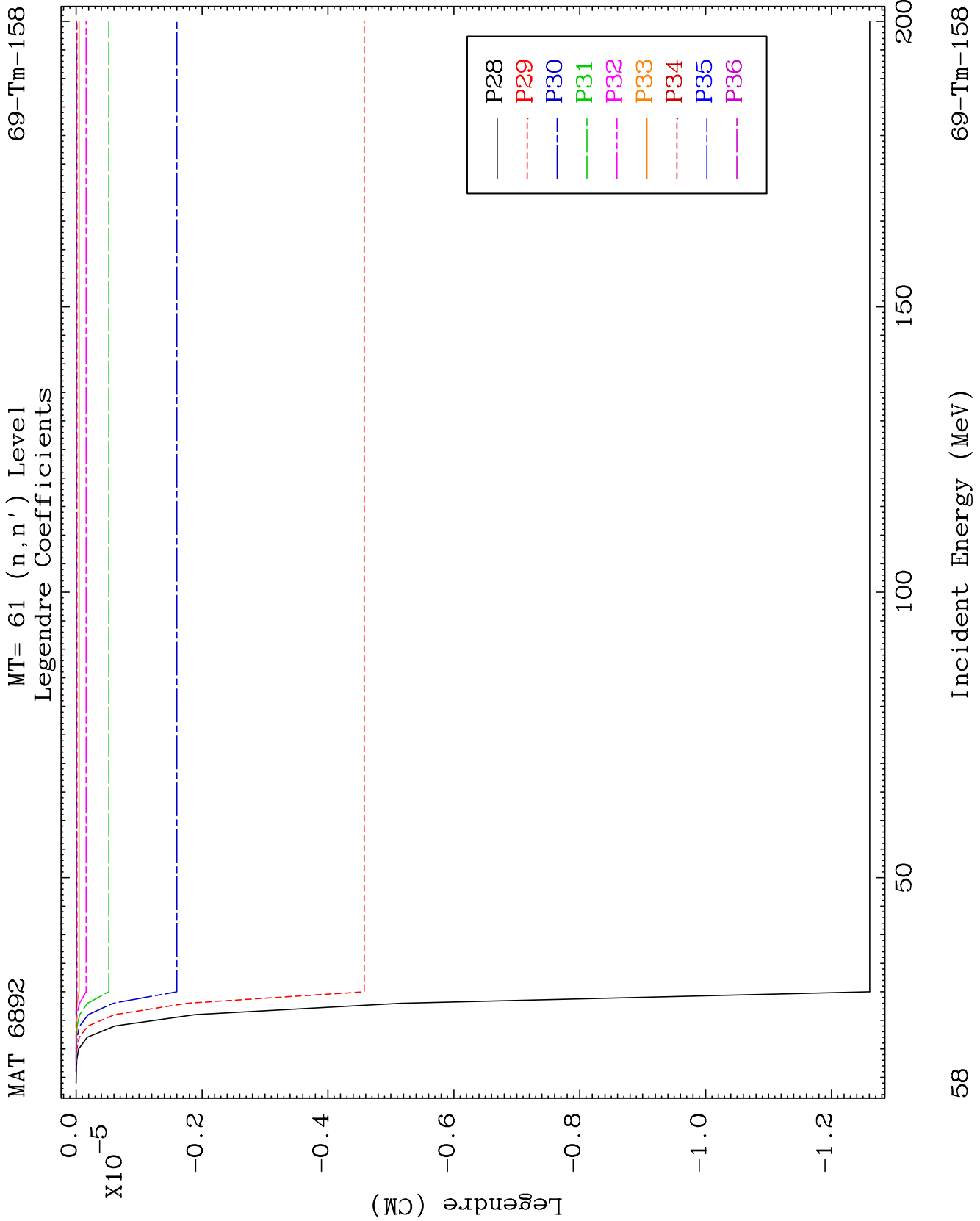
69-Tm-158



57

Incident Energy (MeV)

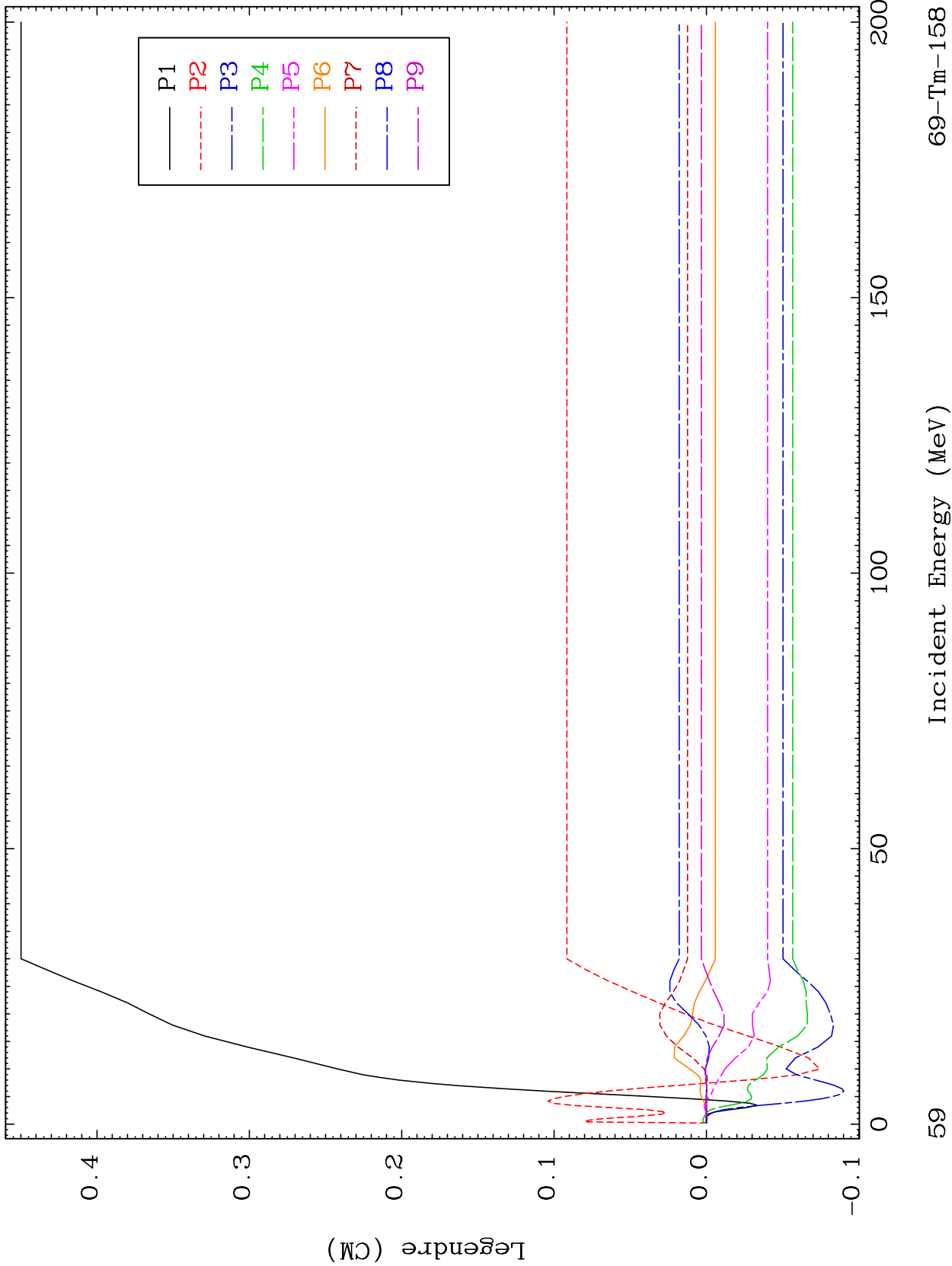
69-Tm-158



MAT 6892

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

69-Tm-158



69-Tm-158

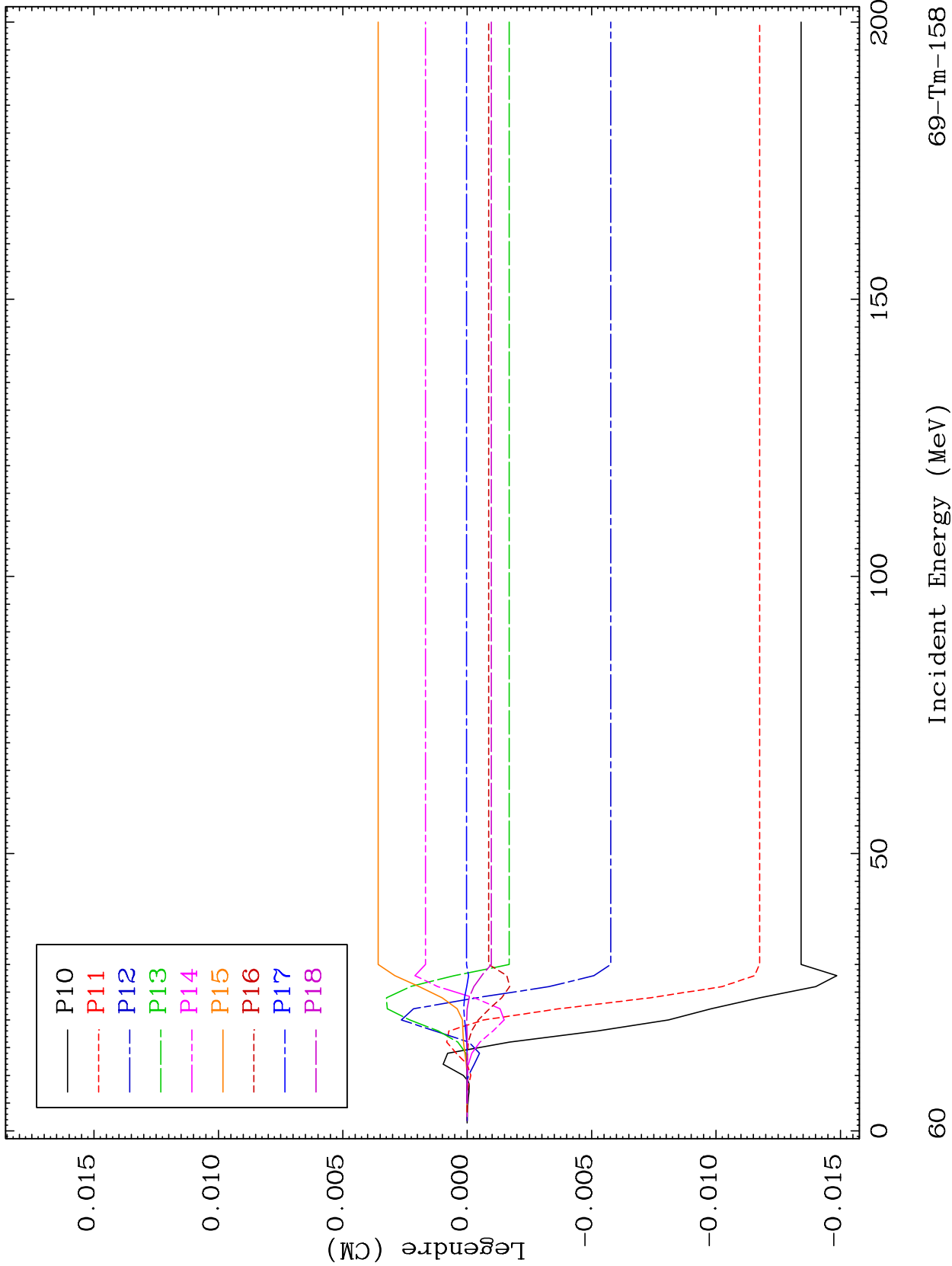
Incident Energy (MeV)

59

MAT 6892

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

69-Tm-158



69-Tm-158

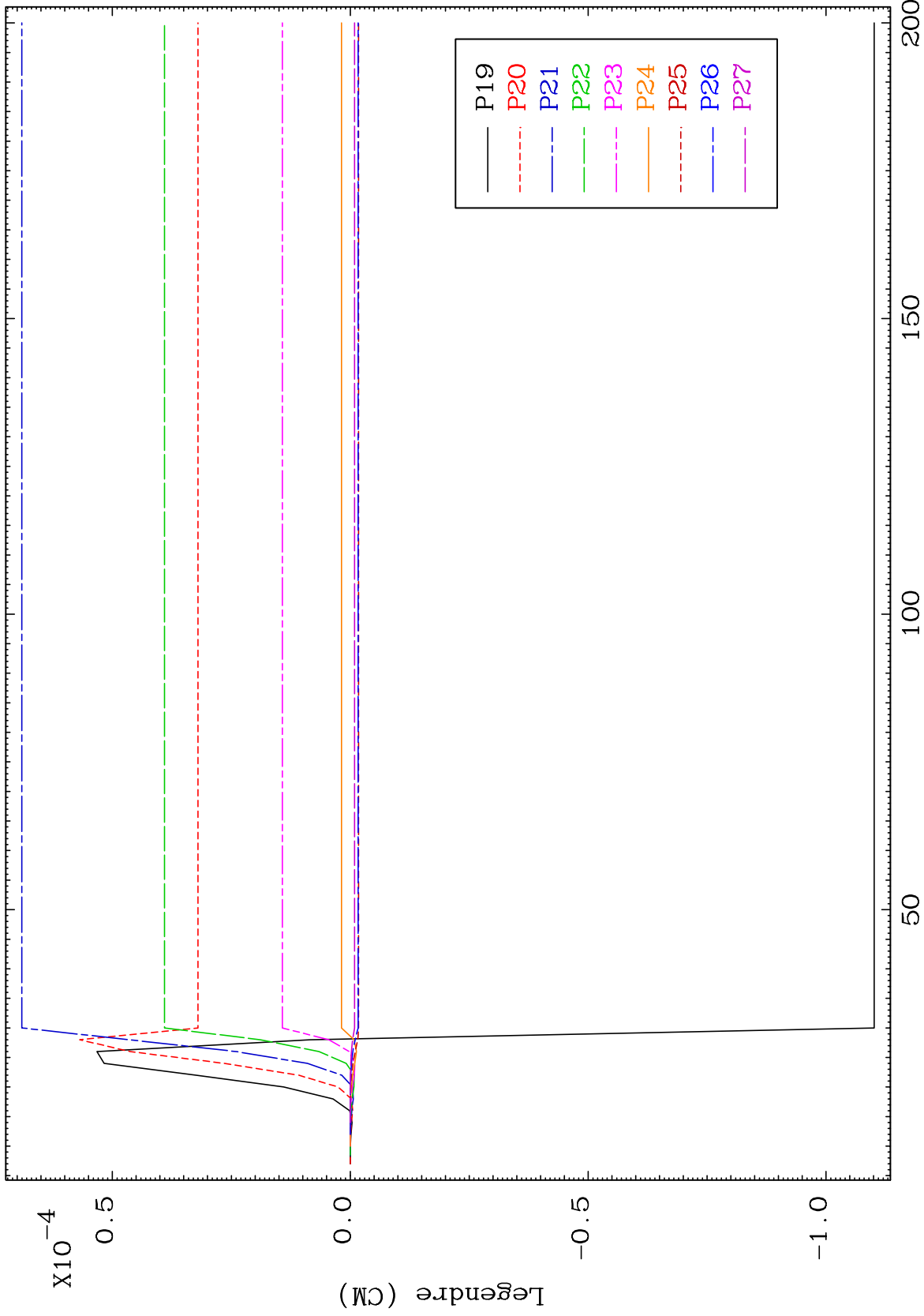
Incident Energy (MeV)

60

MAT 6892

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

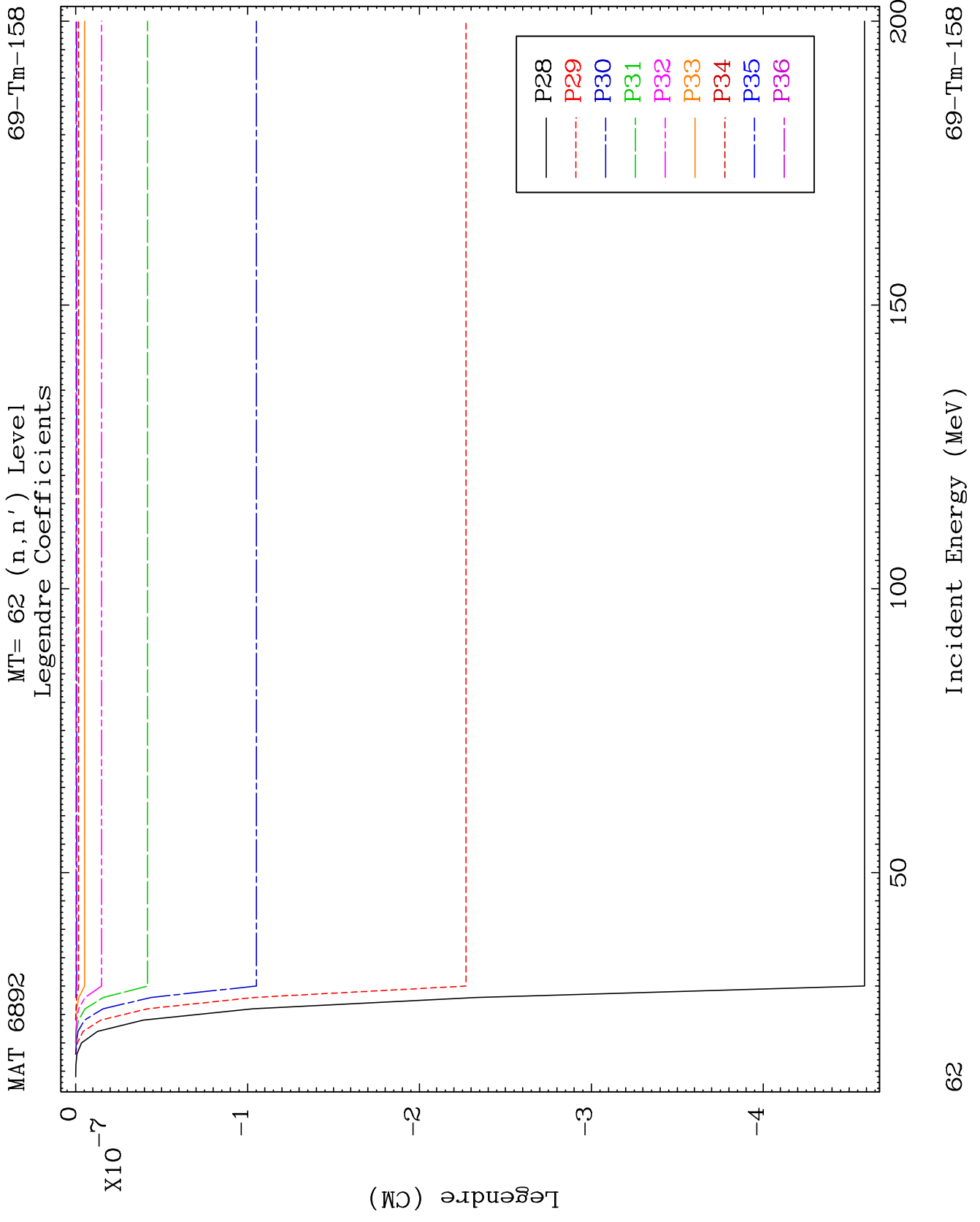
69-Tm-158



61

Incident Energy (MeV)

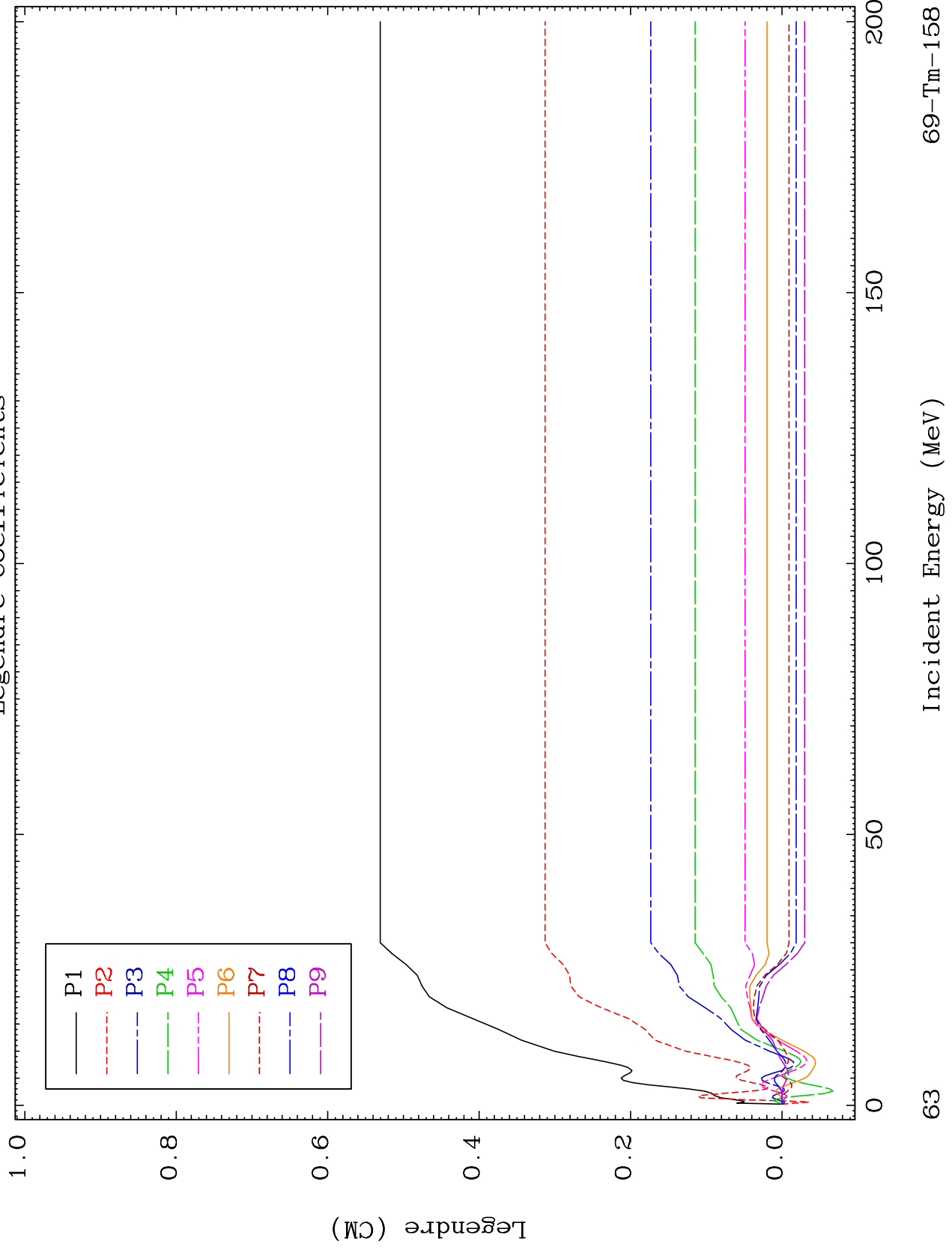
69-Tm-158



MAT 6892

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

69-Tm-158



63

Incident Energy (MeV)

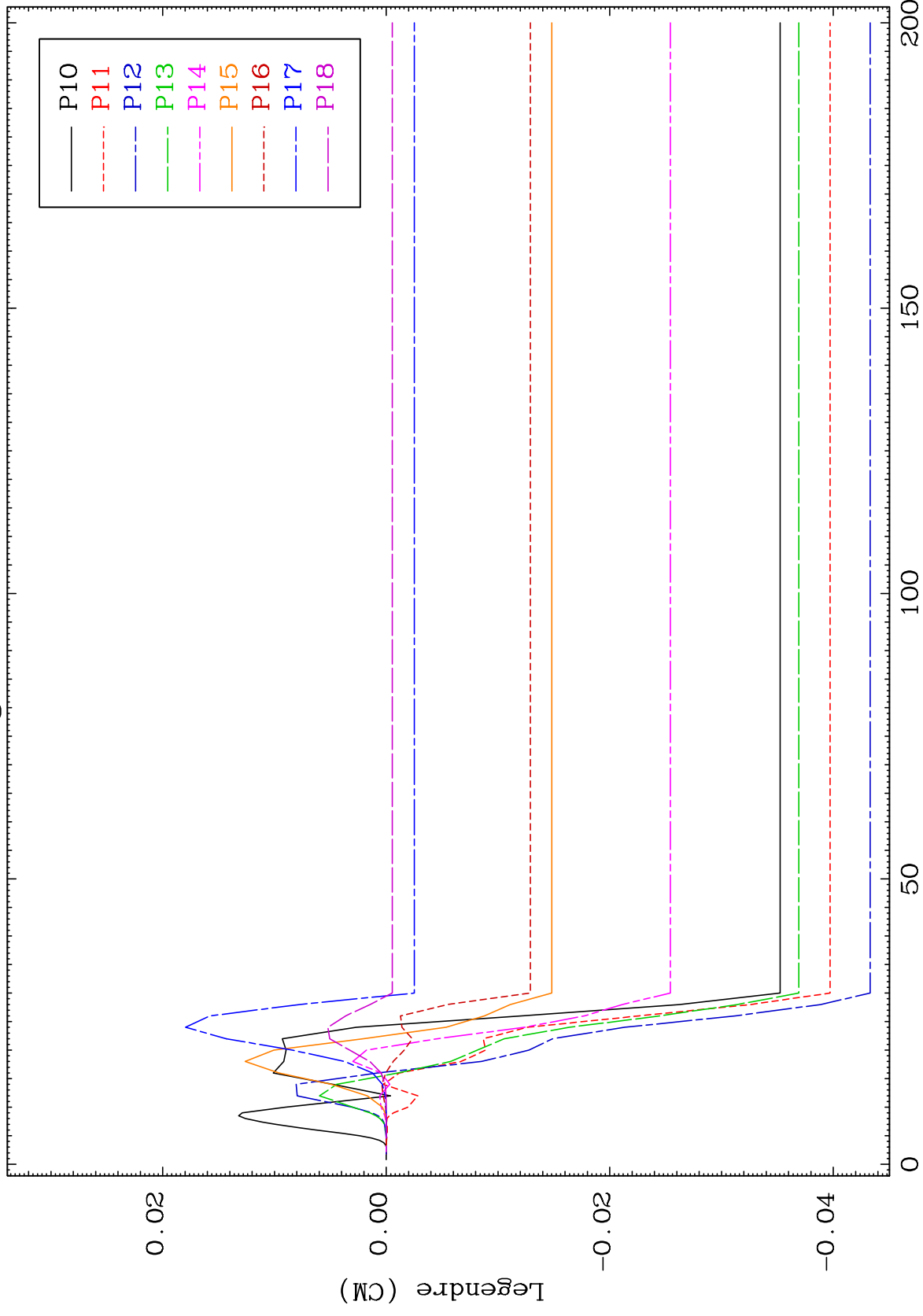
69-Tm-158



MAT 6892

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

69-Tm-158



64

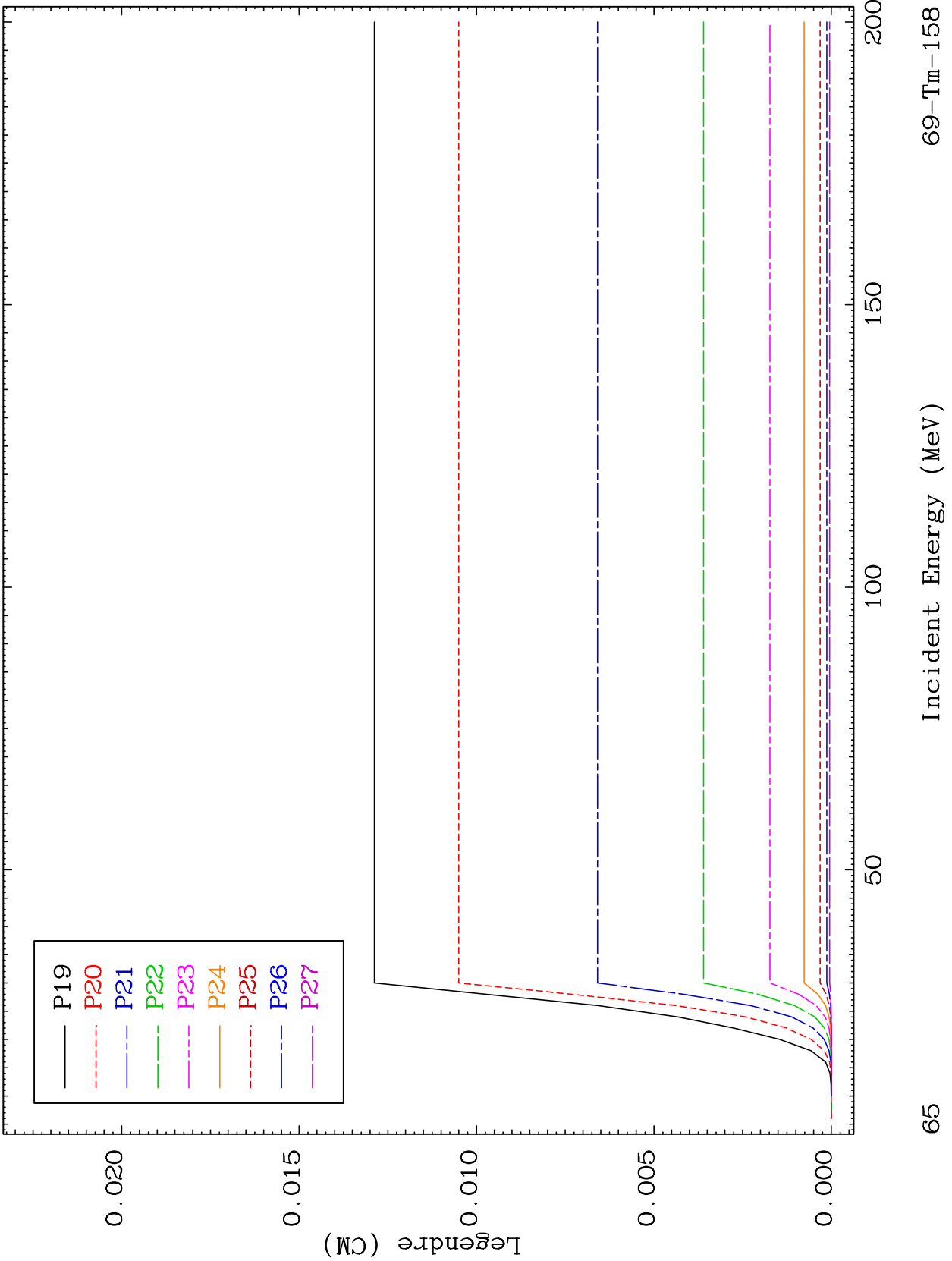
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



65

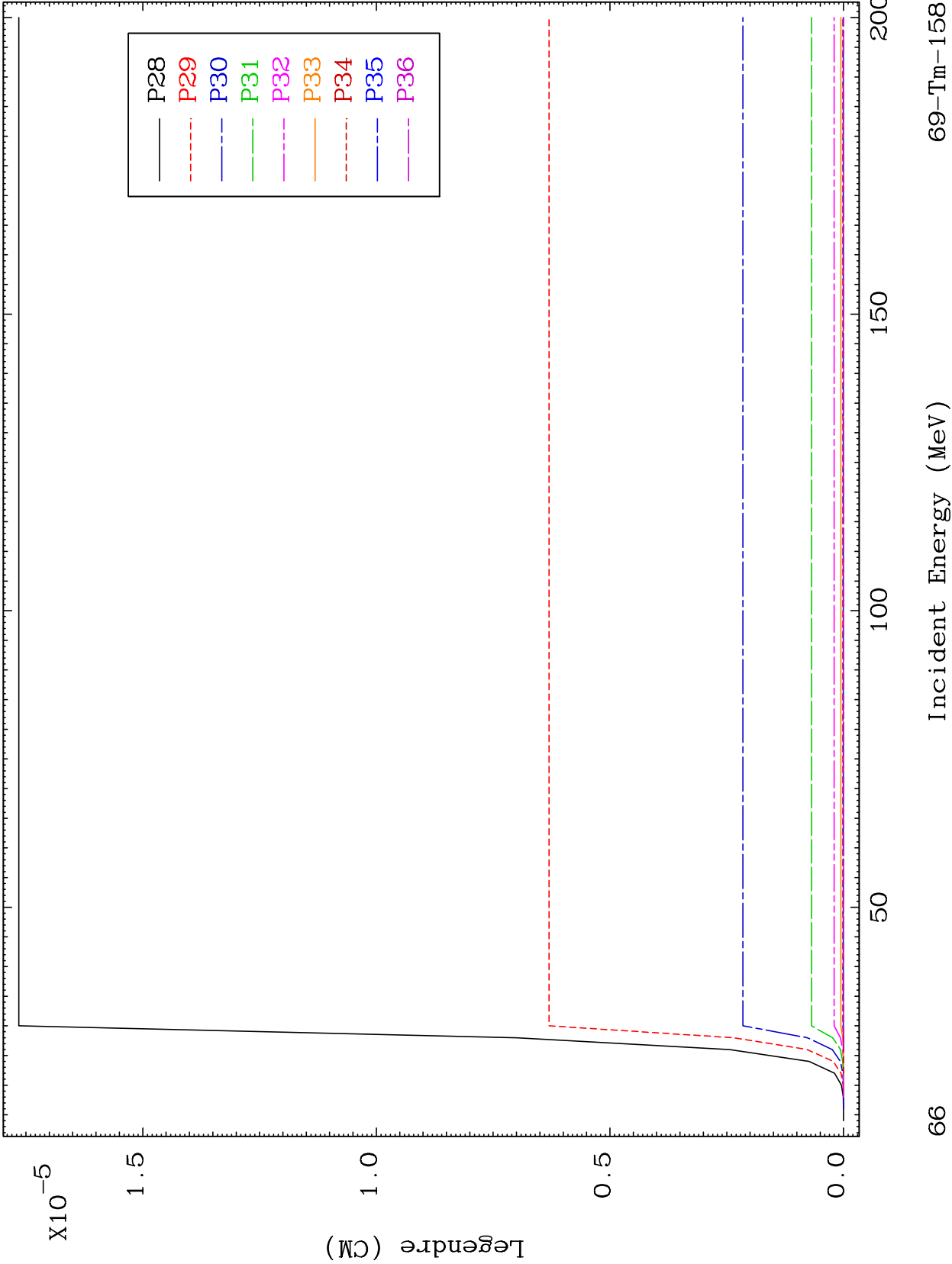
Incident Energy (MeV)

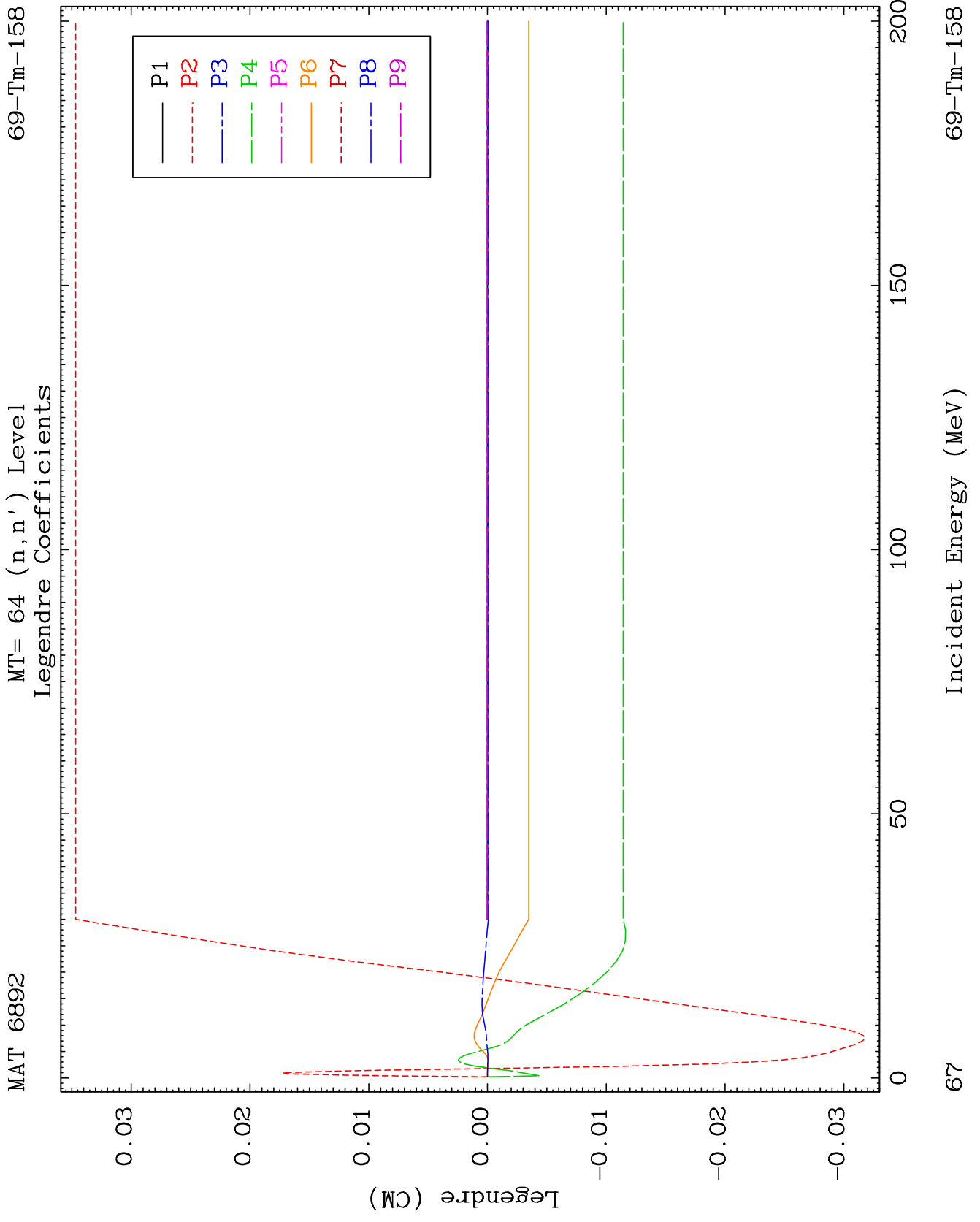
69-Tm-158

MAT 6892

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

69-Tm-158

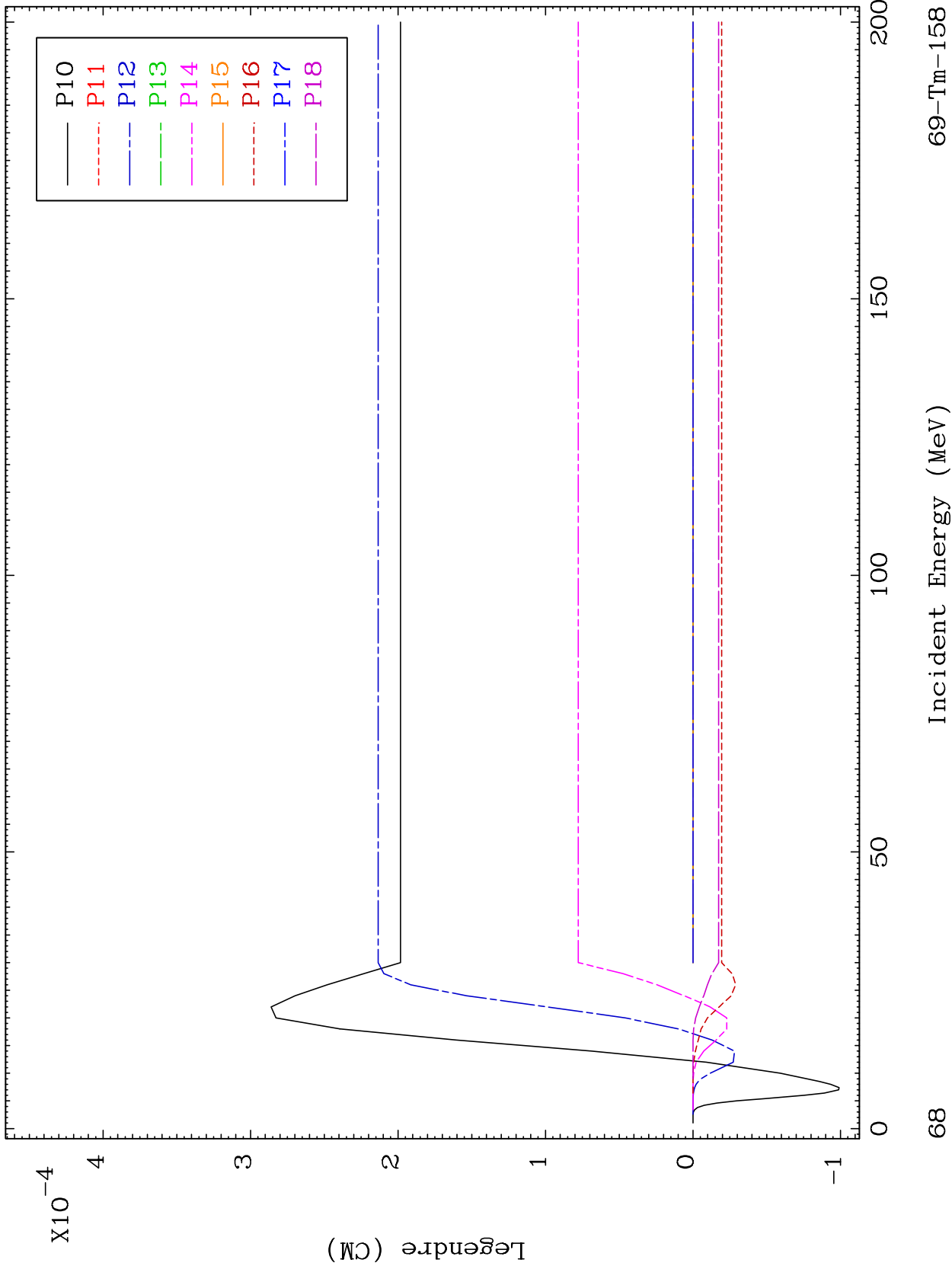


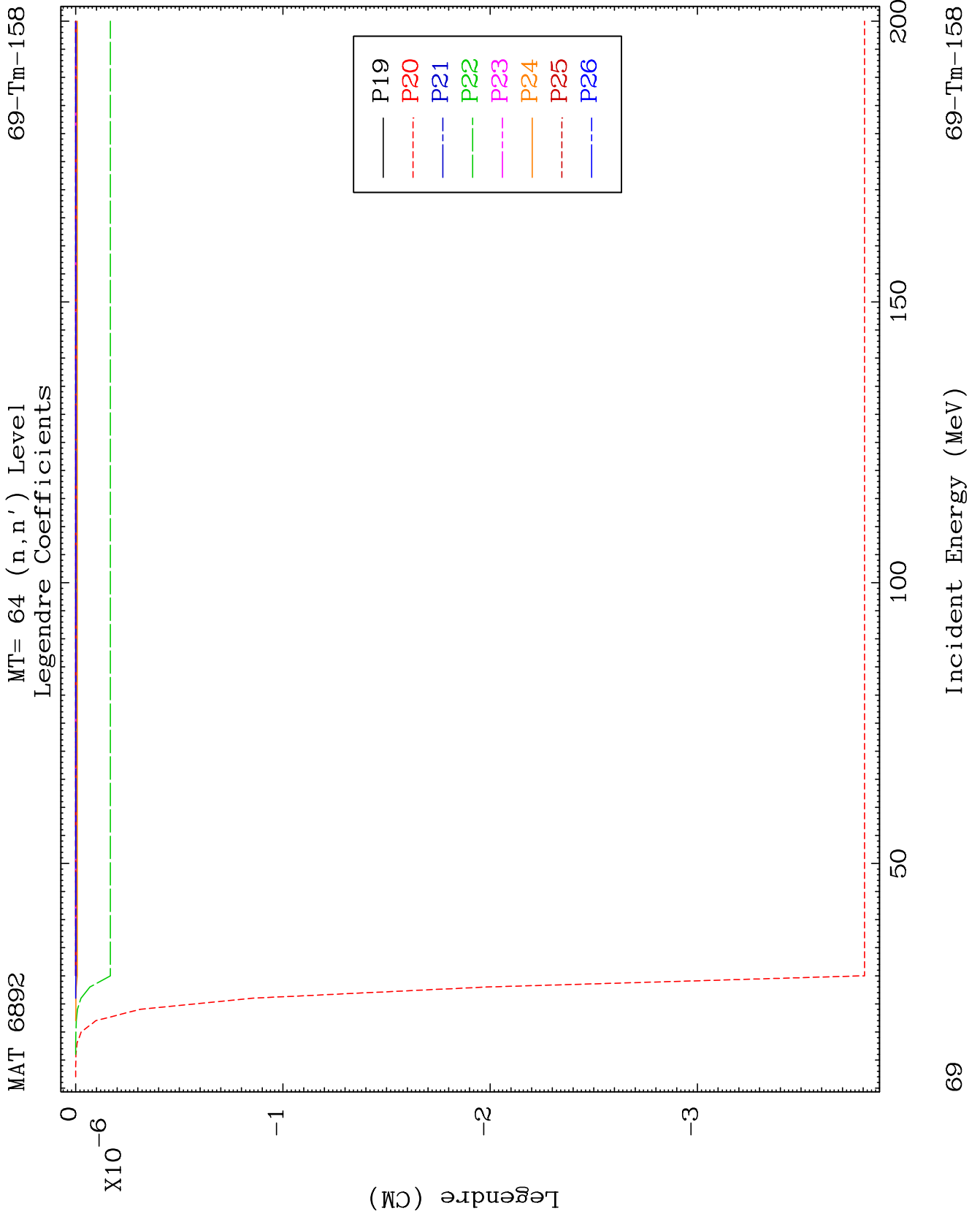


MAT 6892

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

69-Tm-158



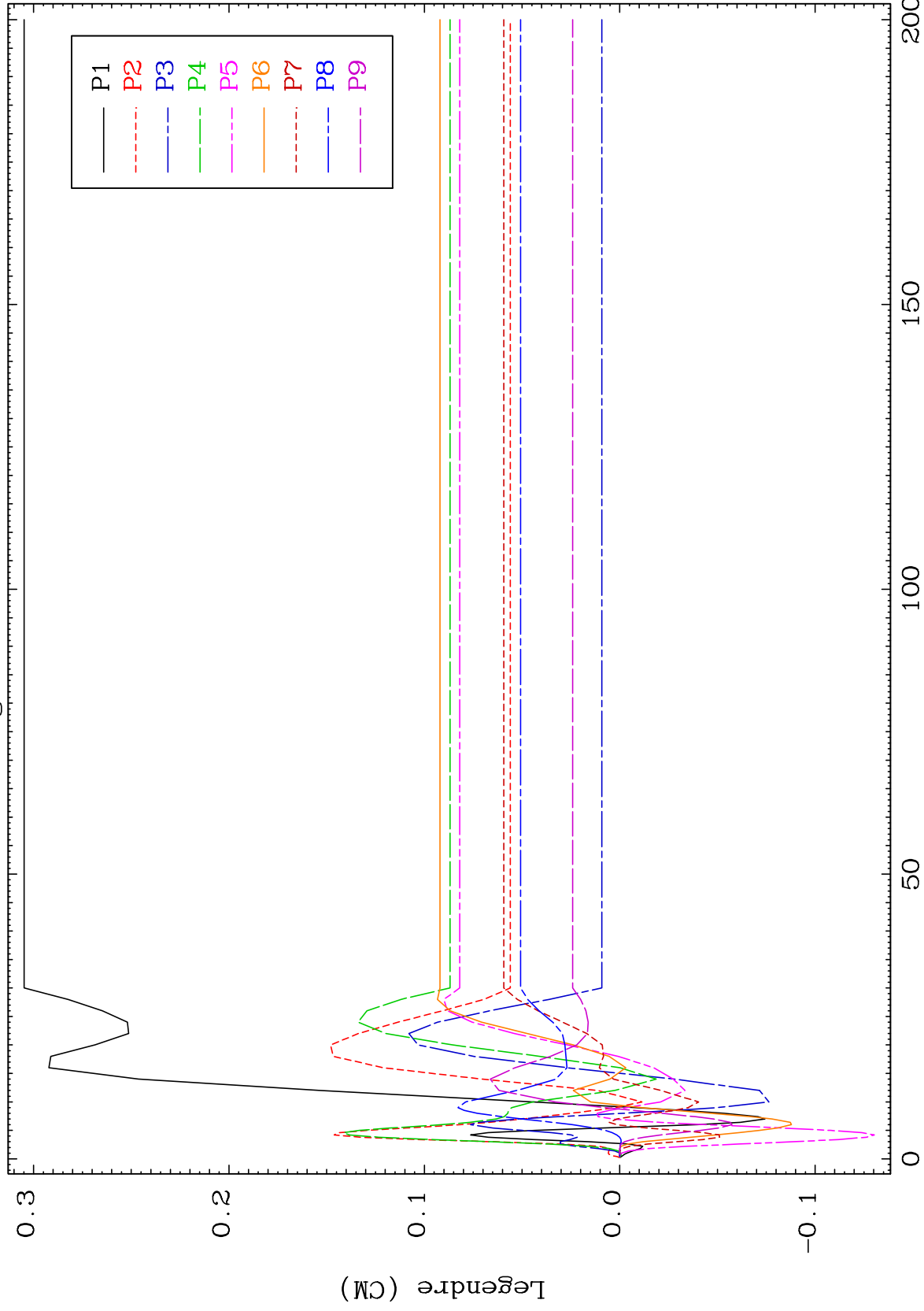


MAT 6892

MT= 65 (n,n') Level

69-Tm-158

Legendre Coefficients



69-Tm-158

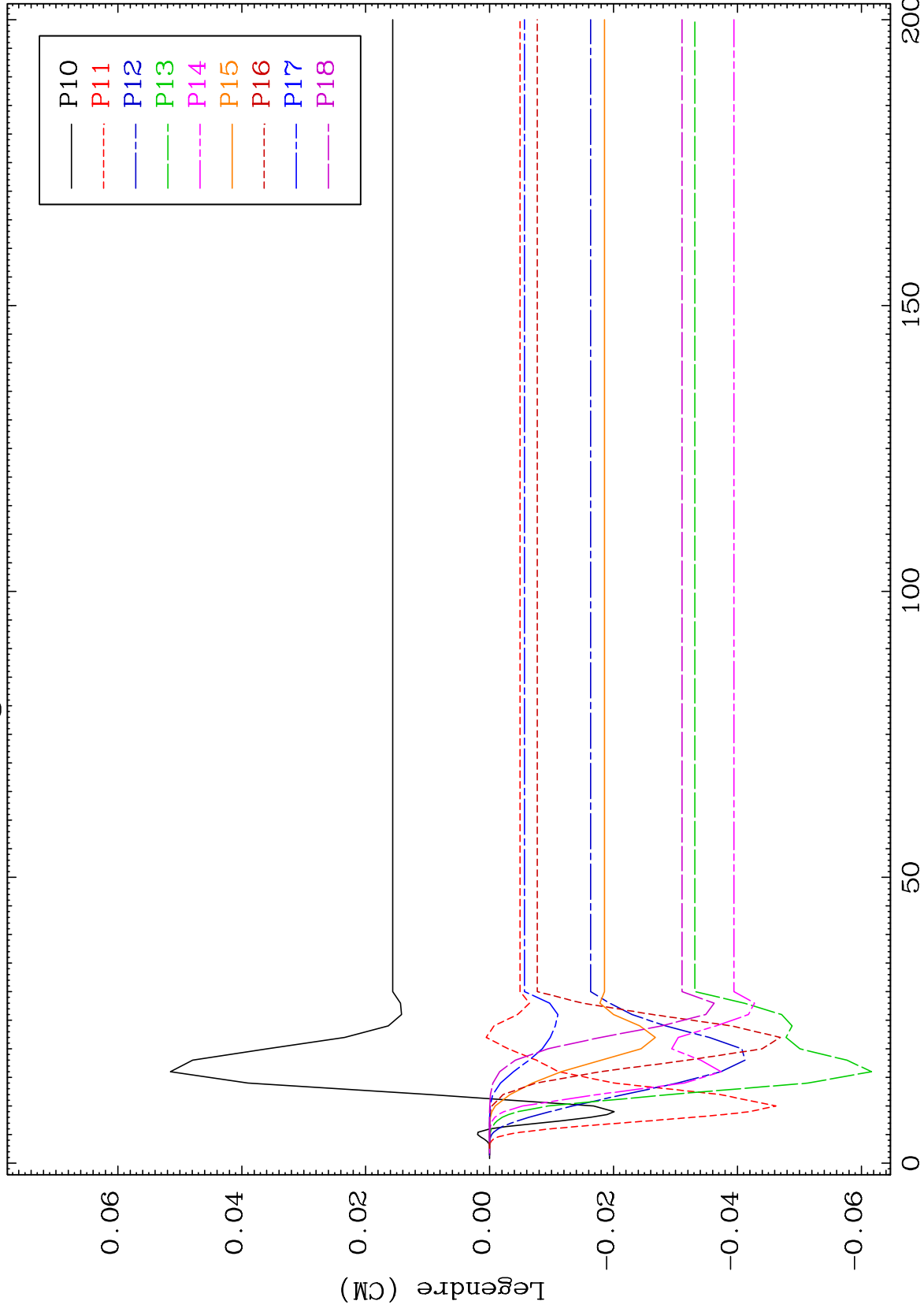
Incident Energy (MeV)

70

MAT 6892

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

69-Tm-158



71

Incident Energy (MeV)

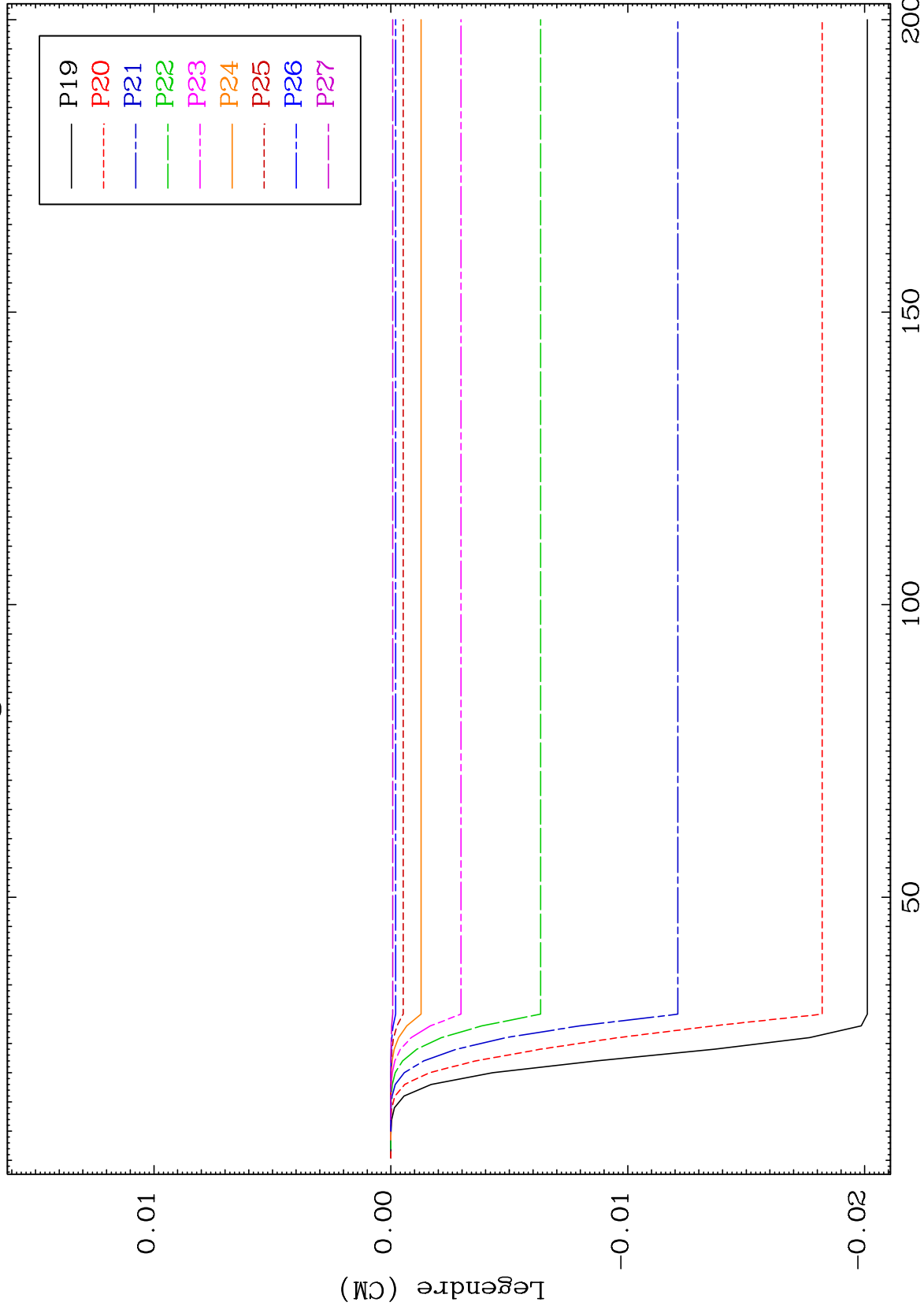
69-Tm-158



MAT 6892

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

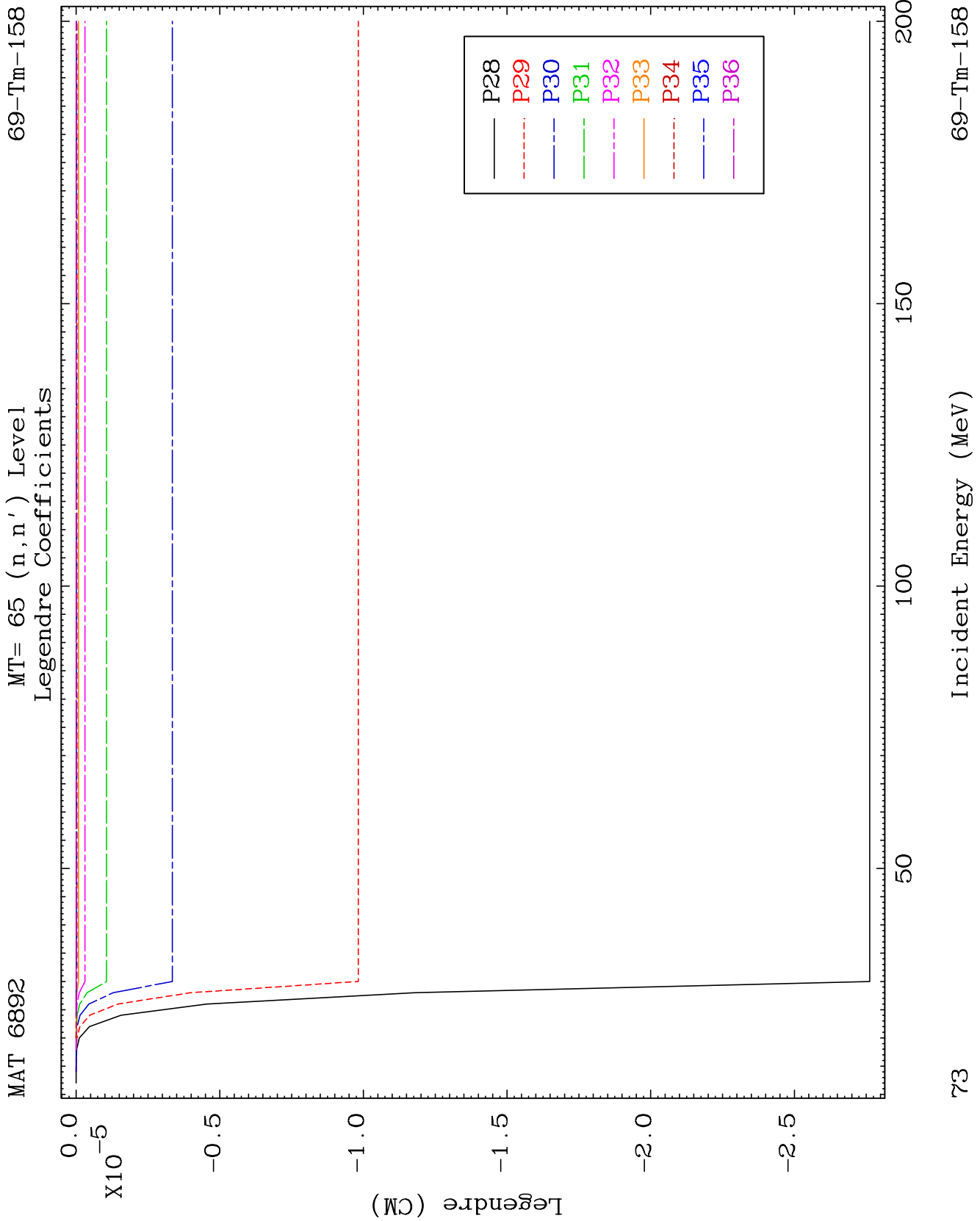
69-Tm-158

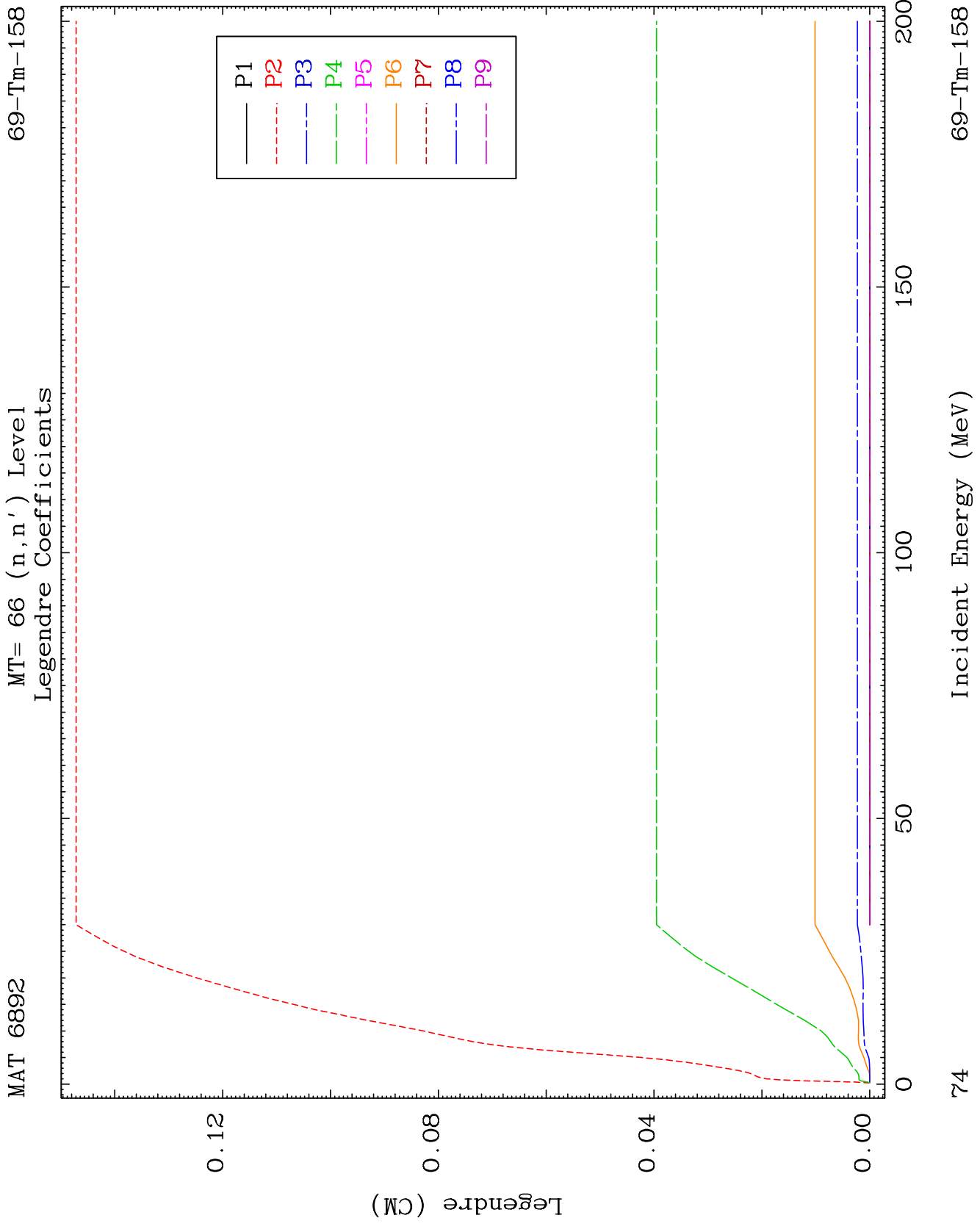


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Incident Energy (MeV)

69-Tm-158

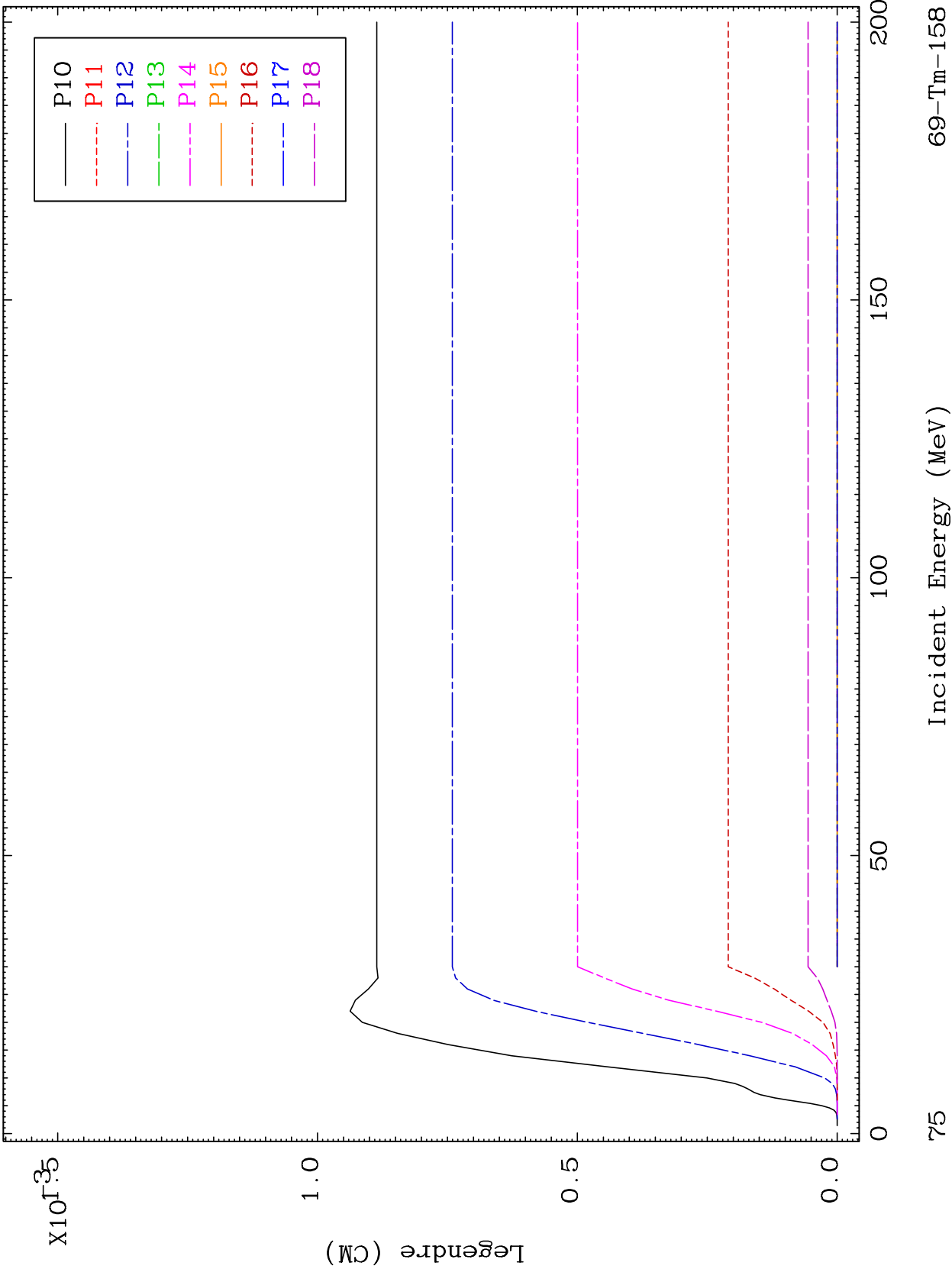




MAT 6892

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

69-Tm-158



69-Tm-158

Incident Energy (MeV)

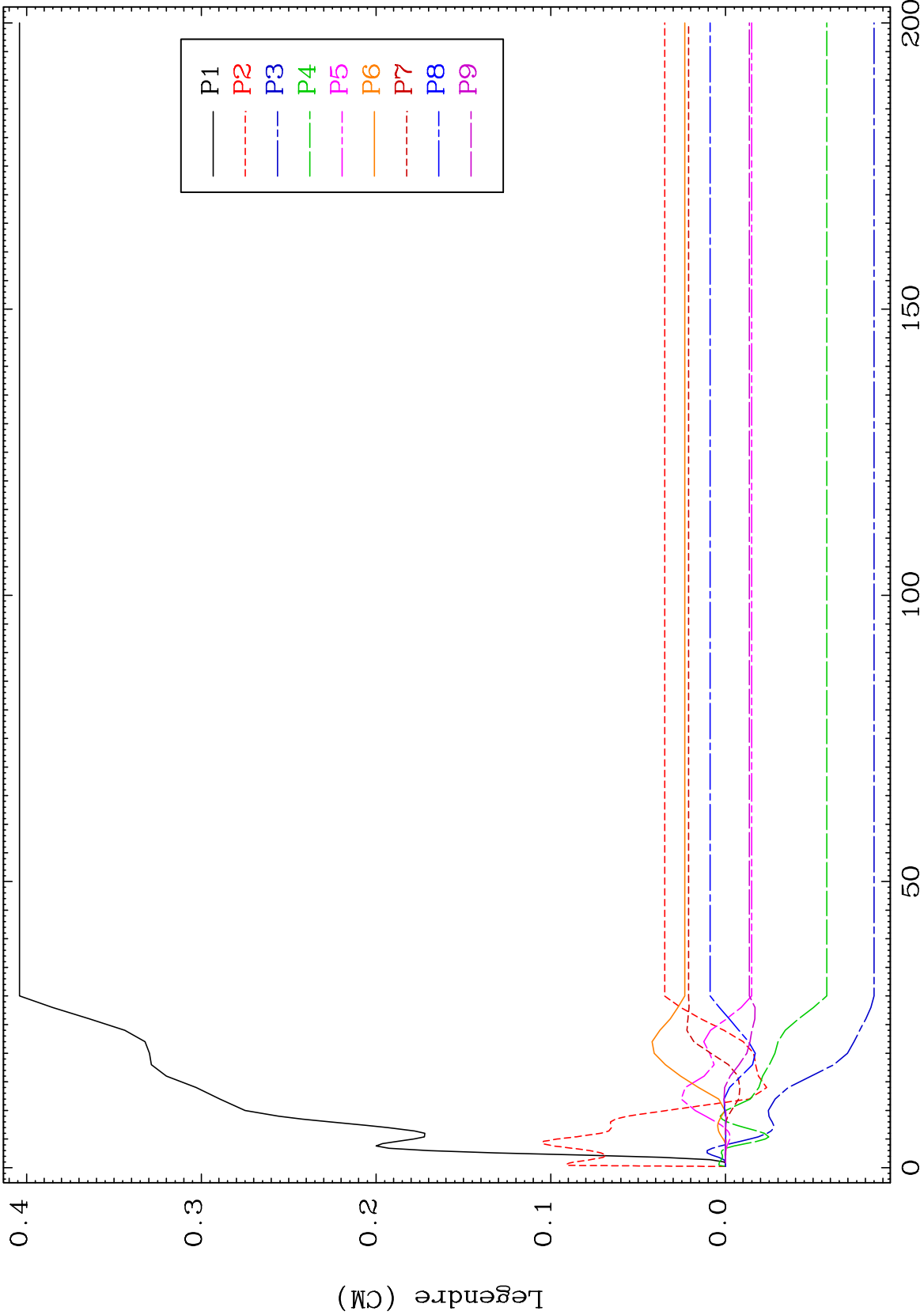
75



MAT 6892

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

69-Tm-158



77

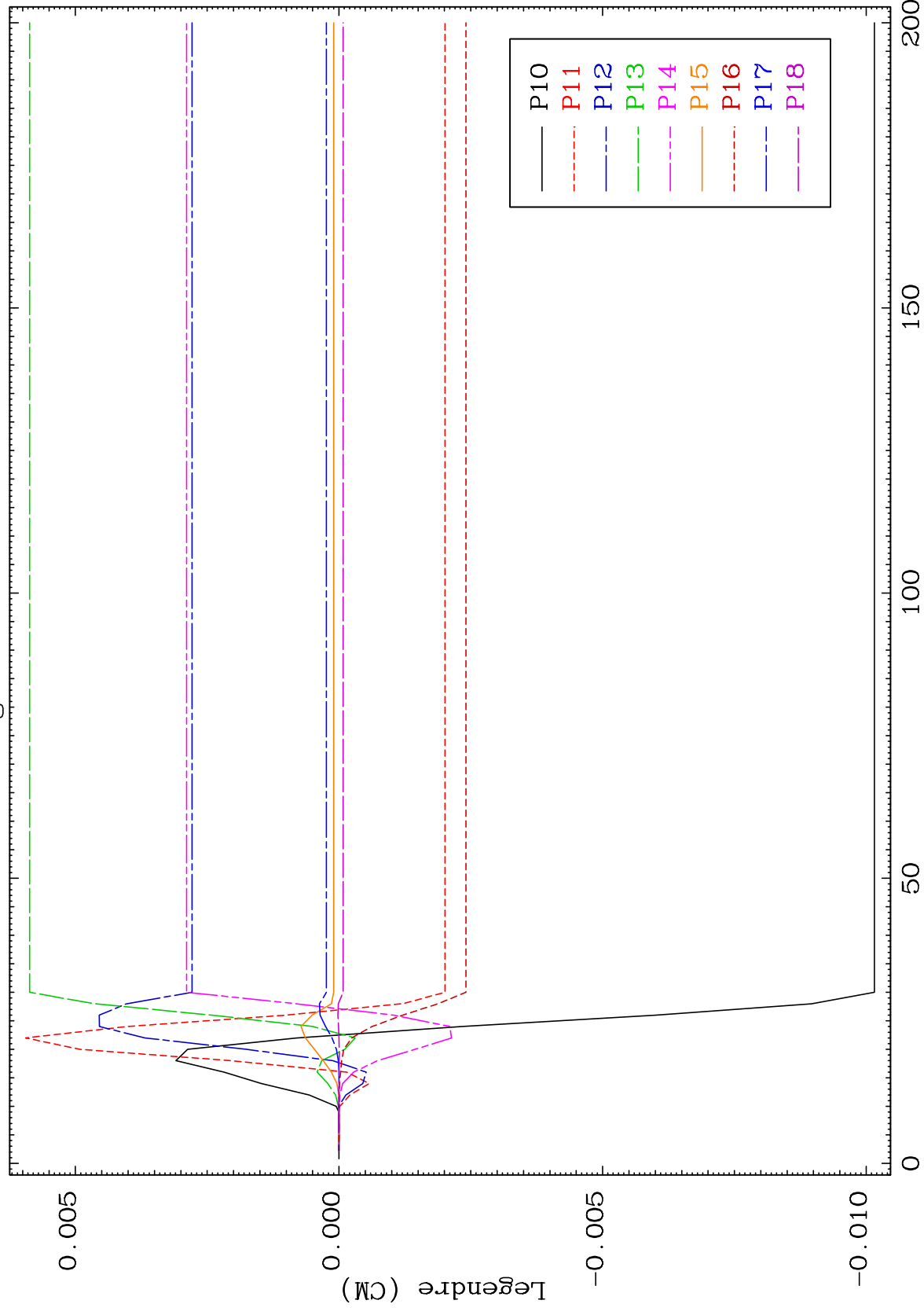
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



78

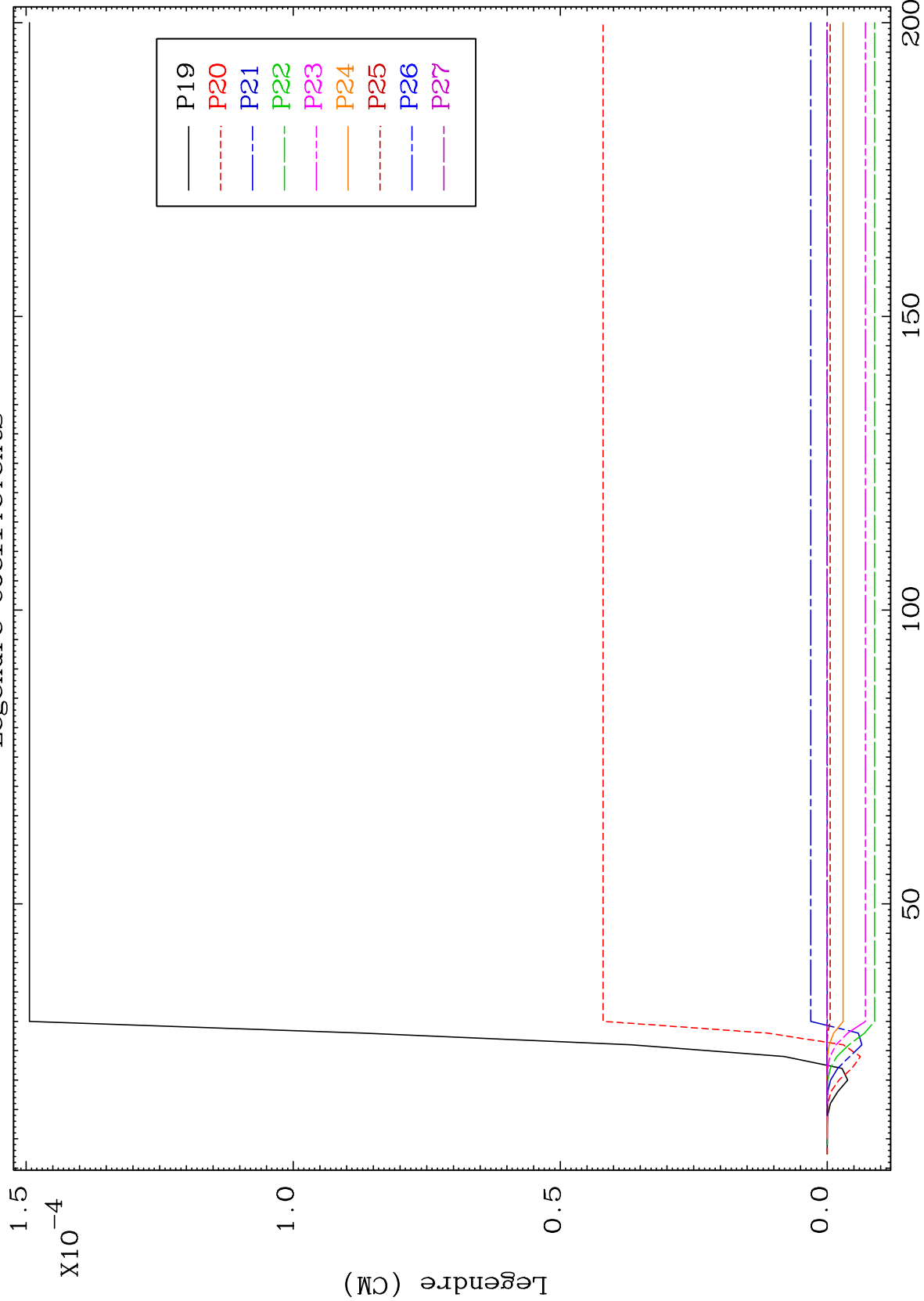
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158

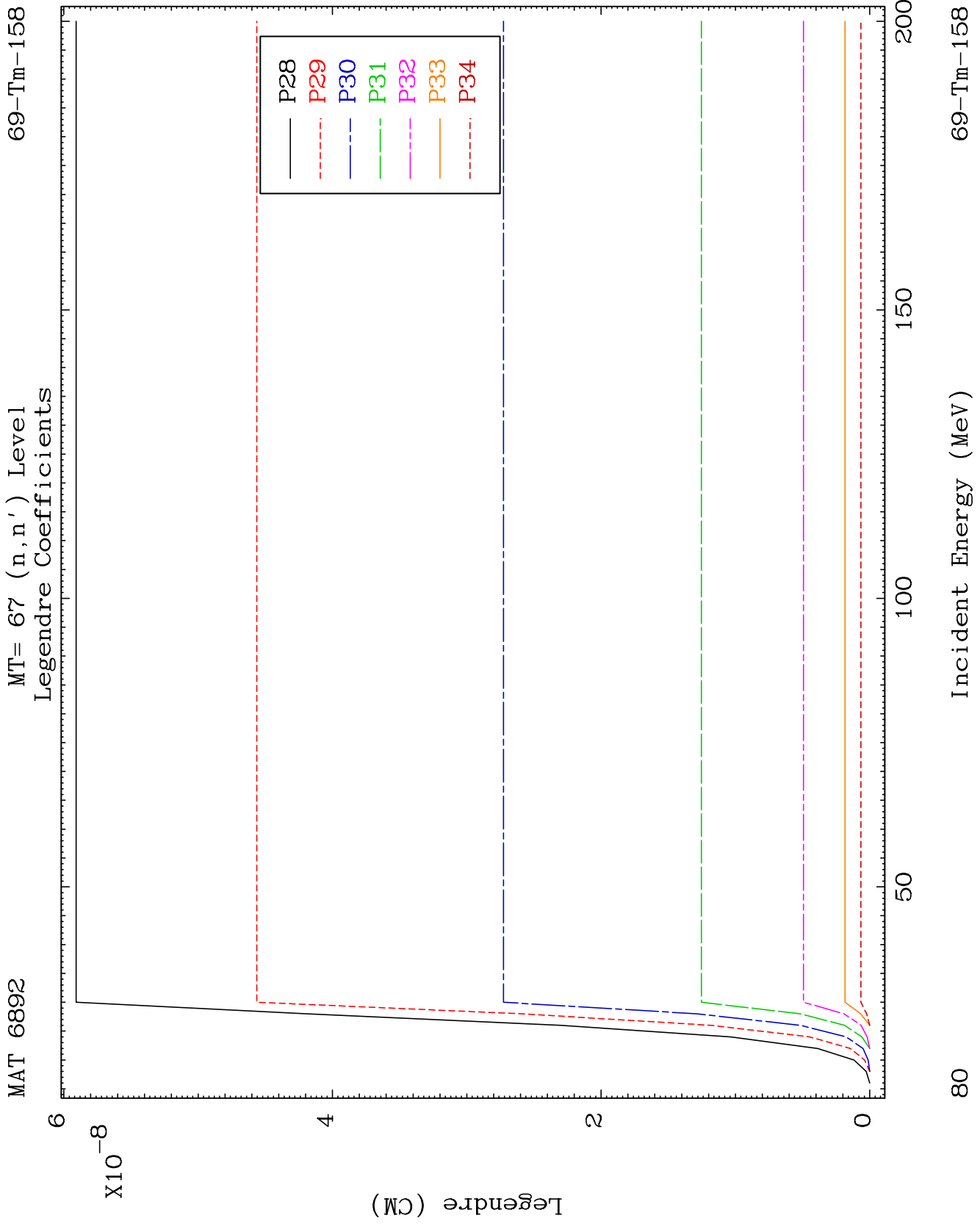


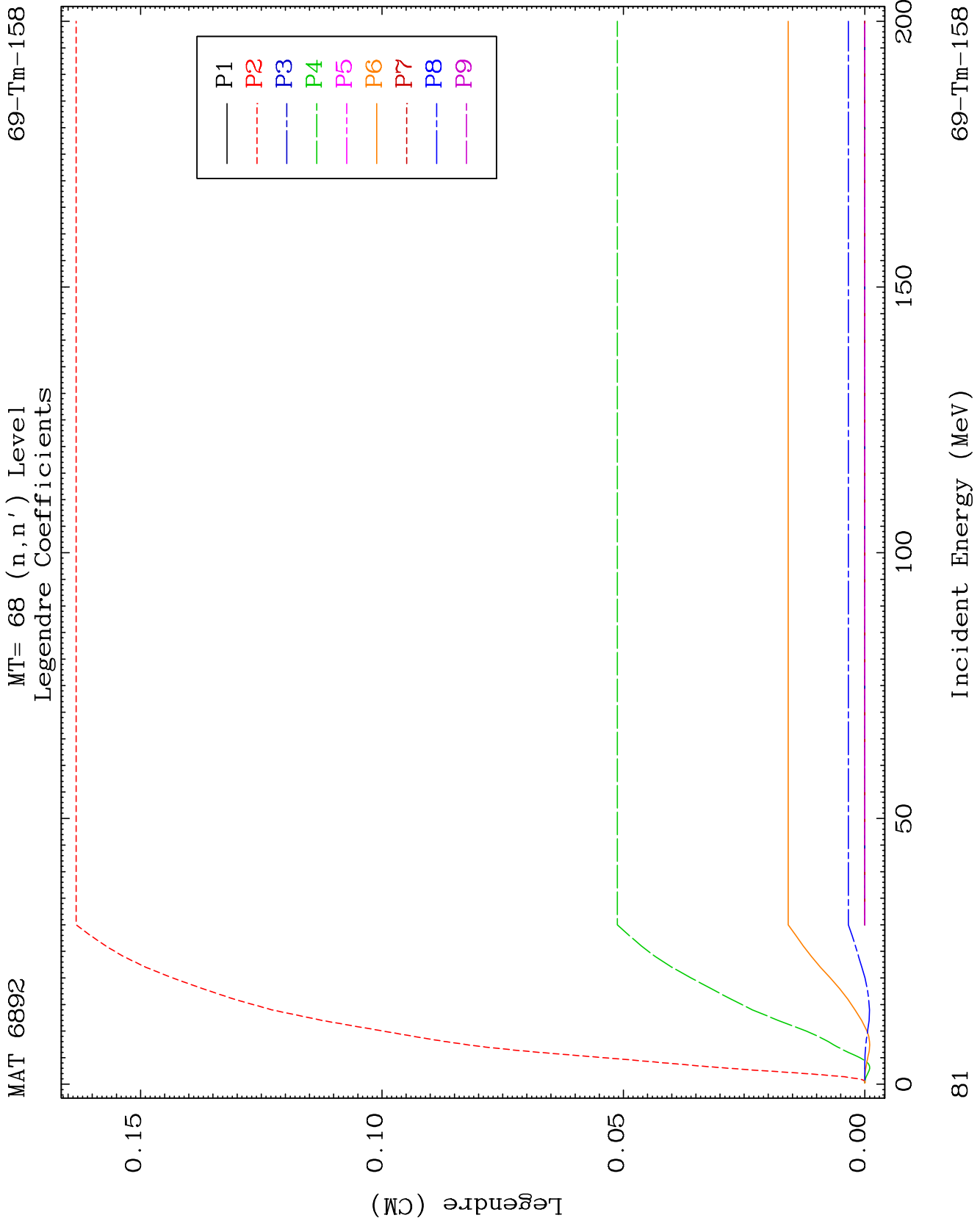
79

Incident Energy (MeV)

69-Tm-158



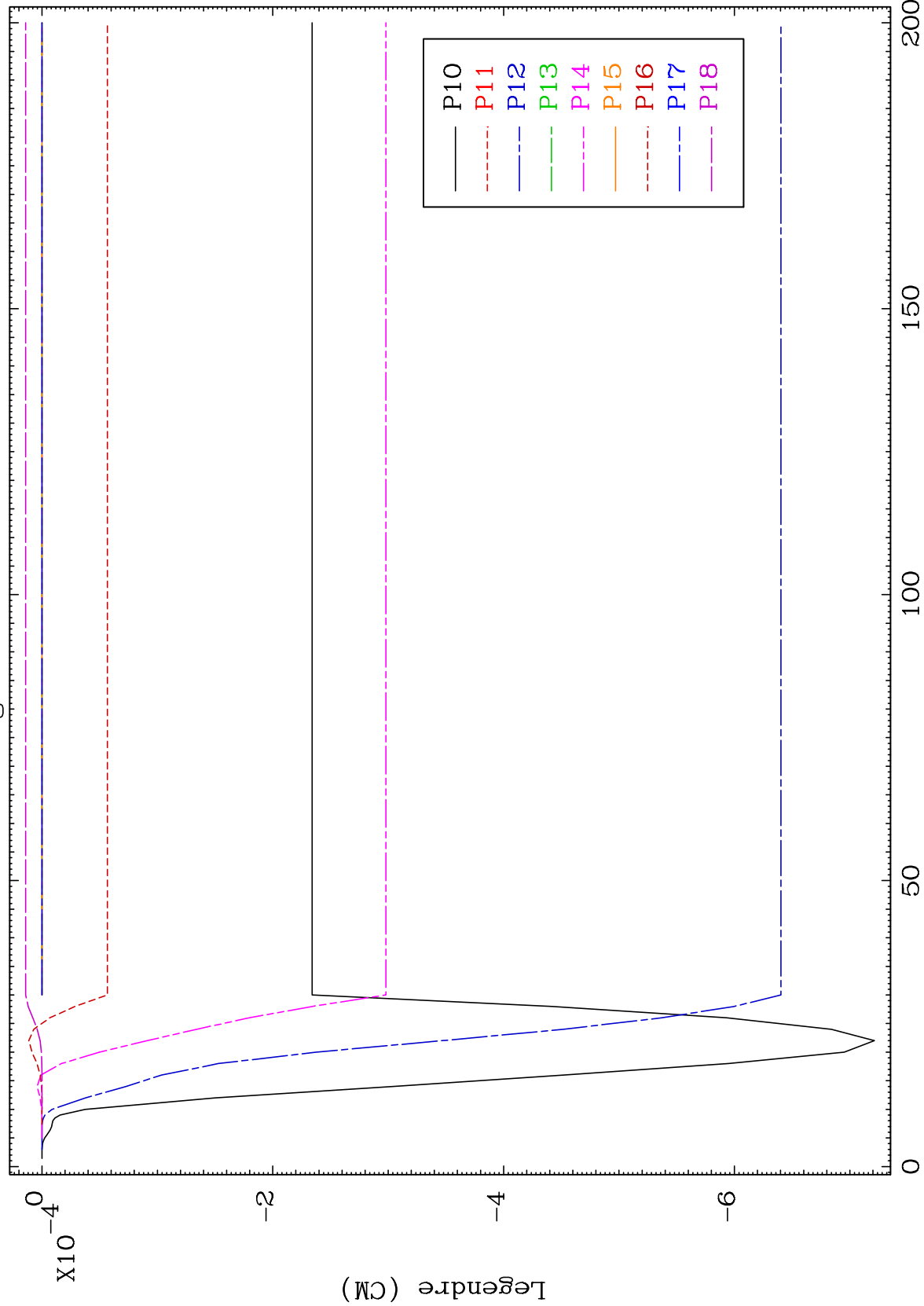




MAT 6892

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

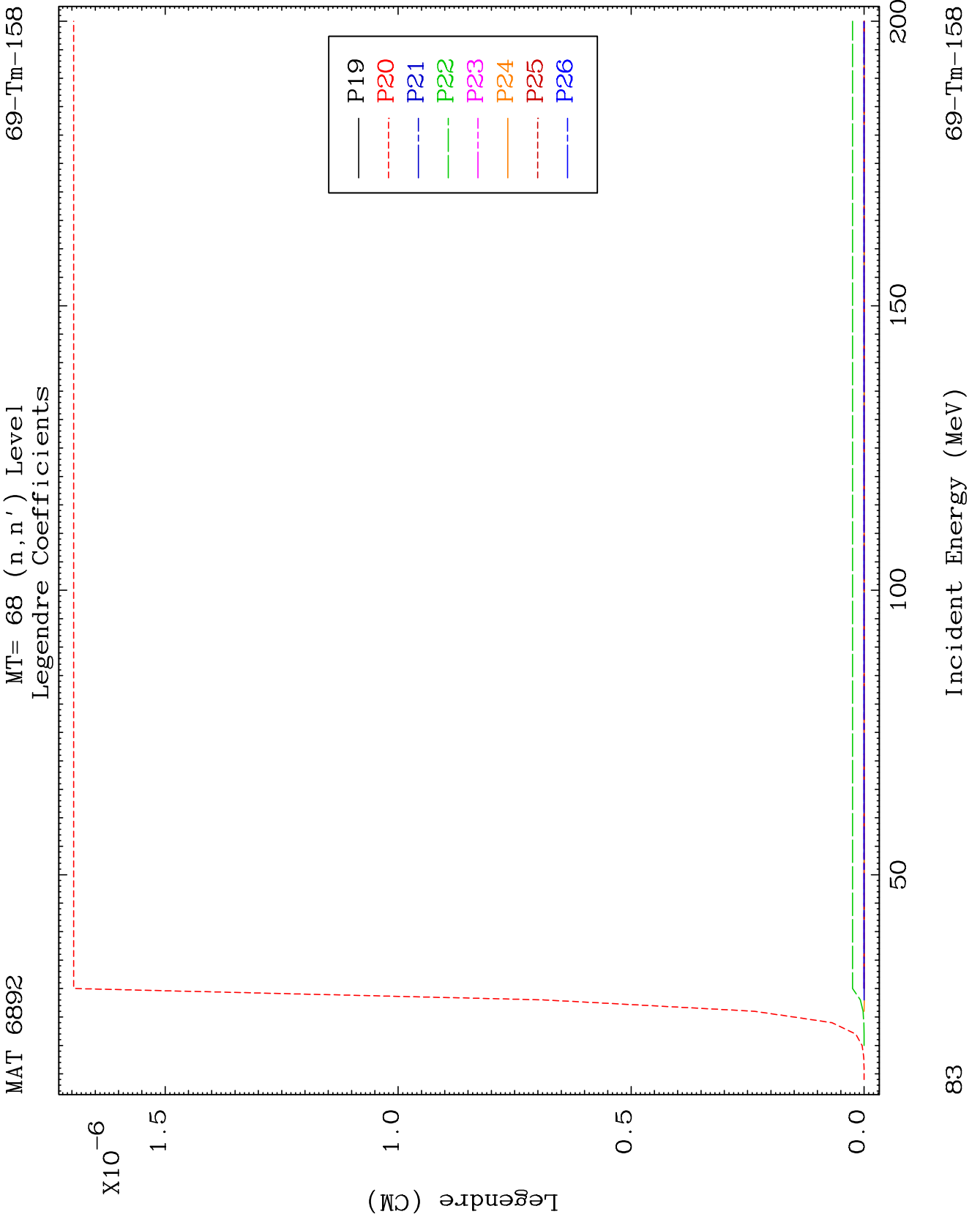
69-Tm-158



82

Incident Energy (MeV)

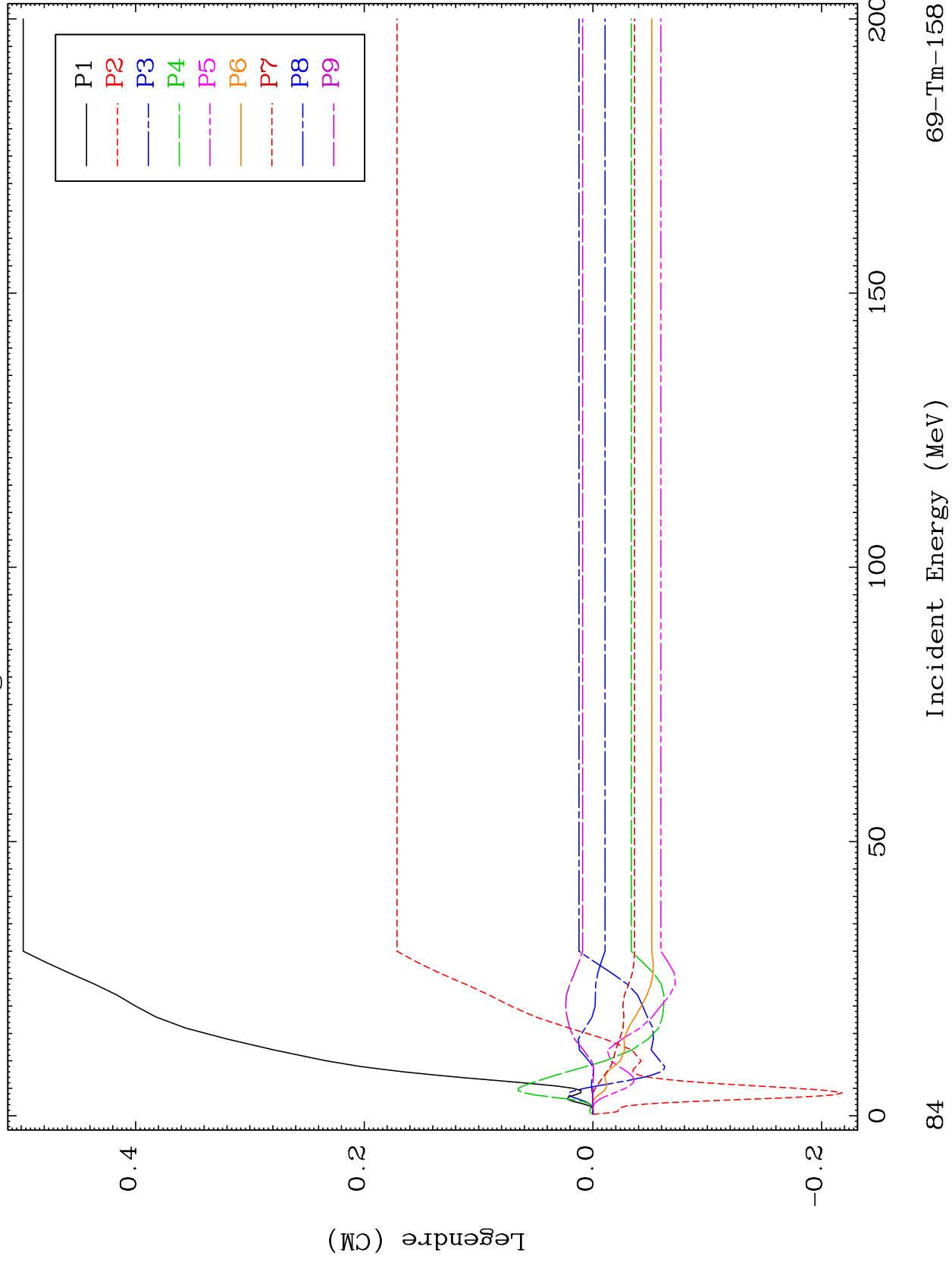
69-Tm-158



MAT 6892

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

69-Tm-158



84

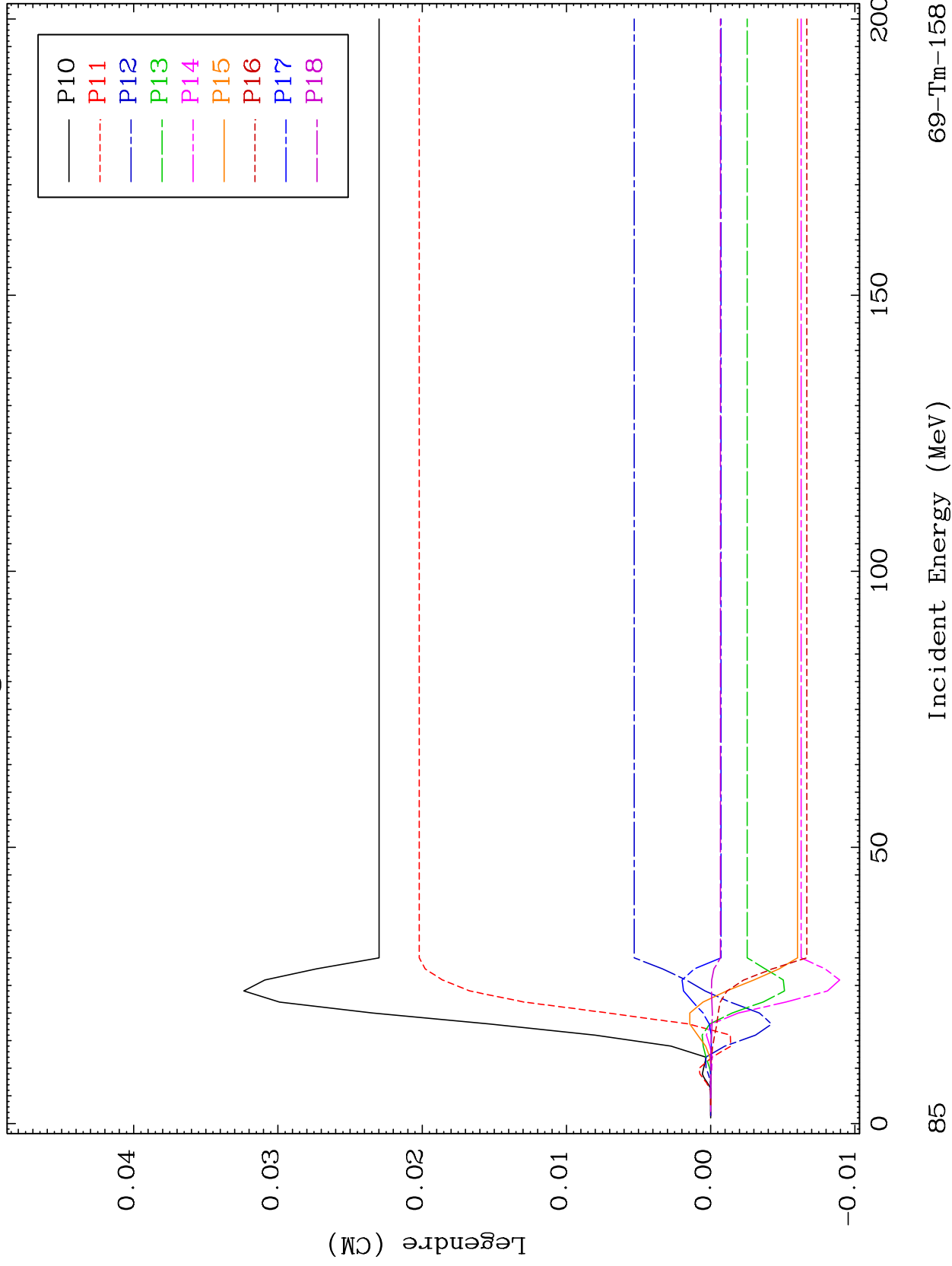
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

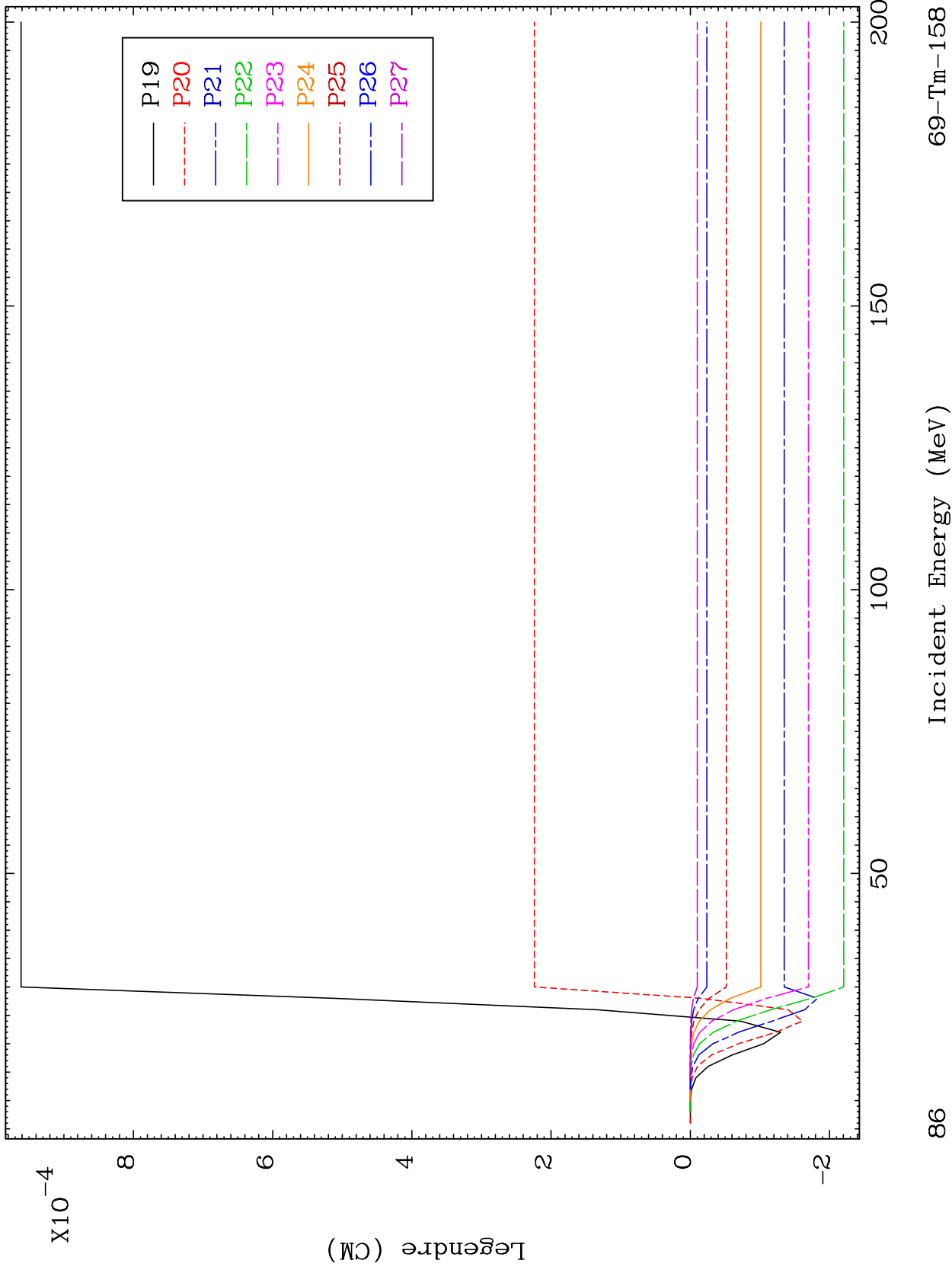
Incident Energy (MeV)

85

MAT 6892

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

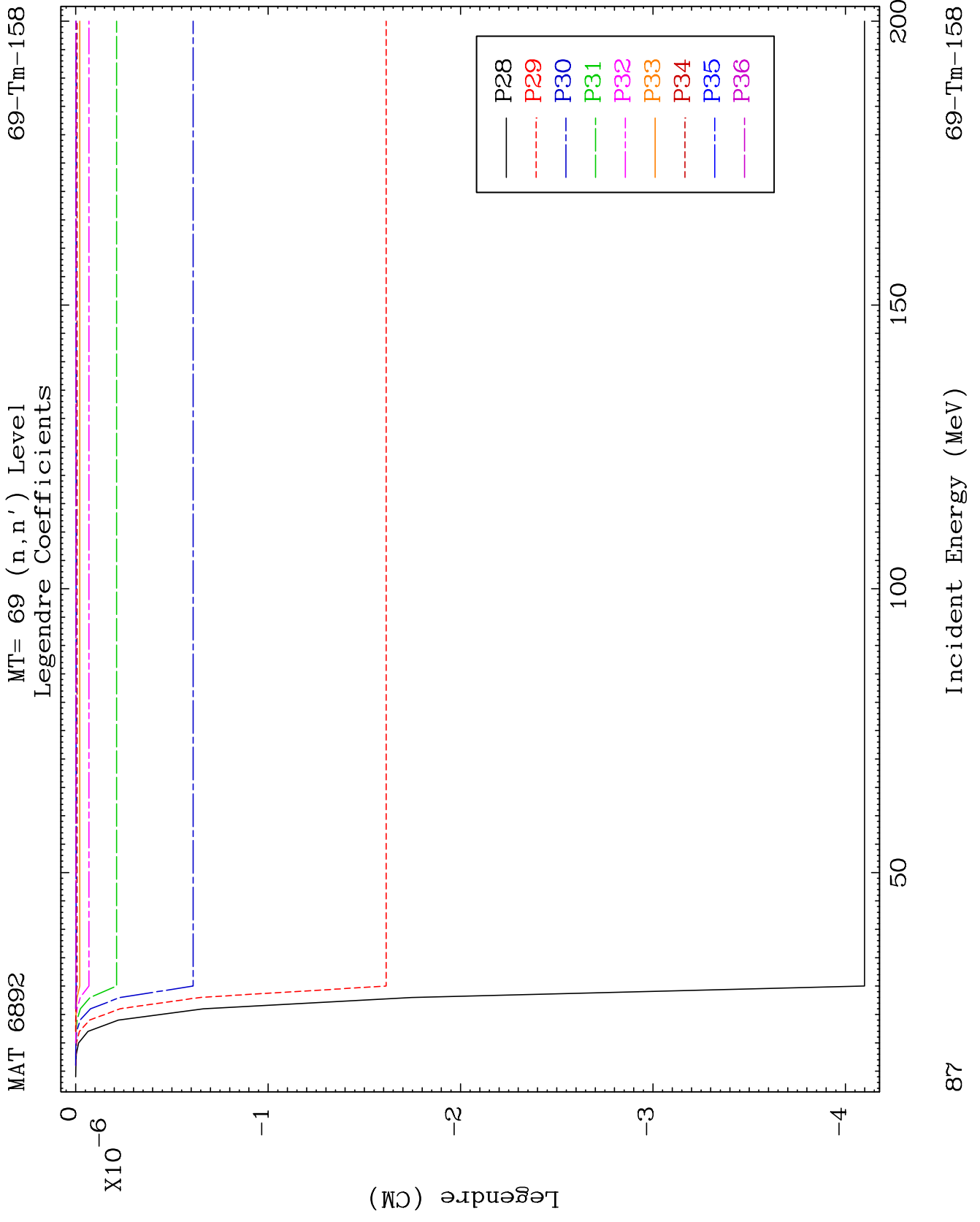
69-Tm-158



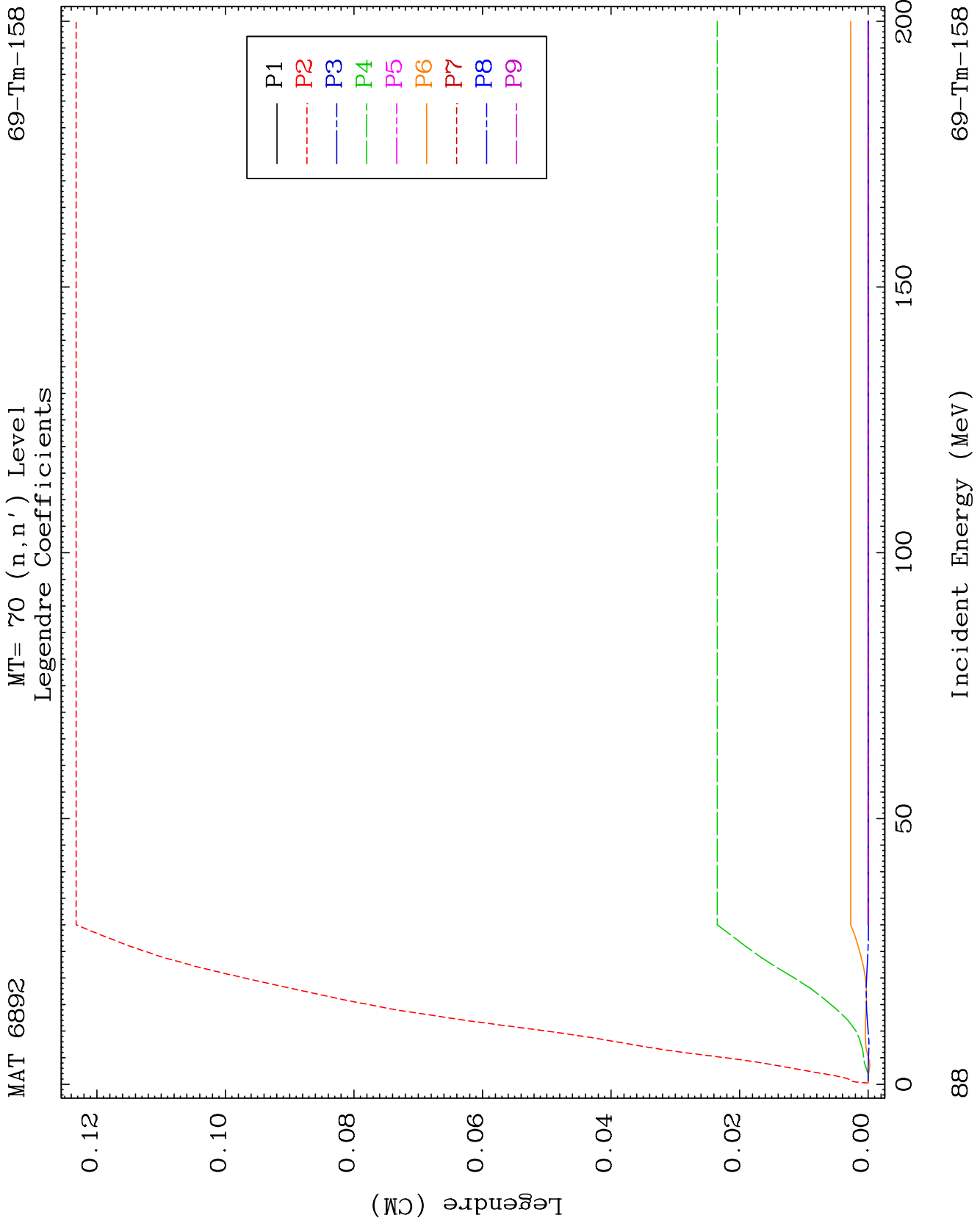
86

Incident Energy (MeV)

69-Tm-158



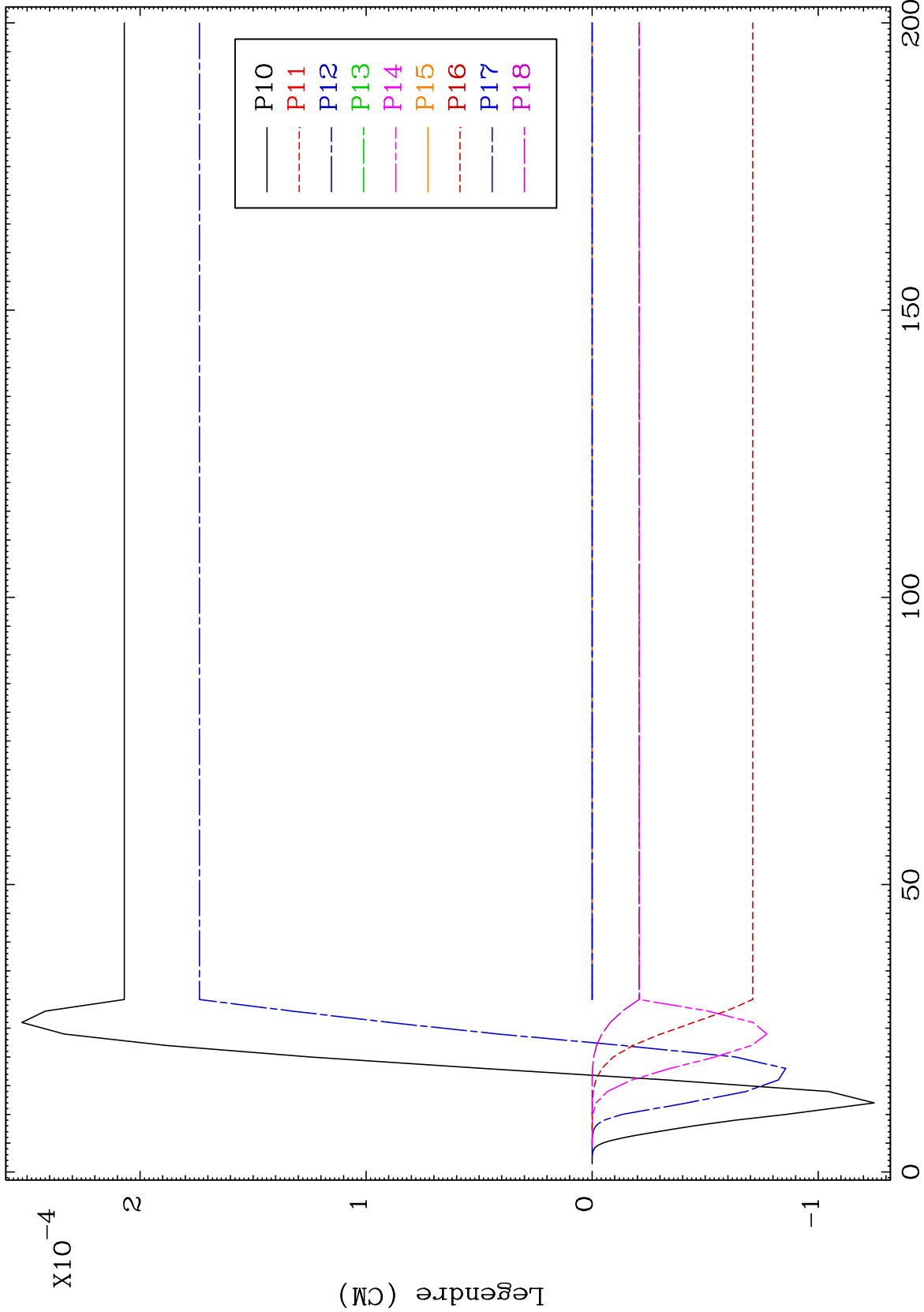




MAT 6892

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

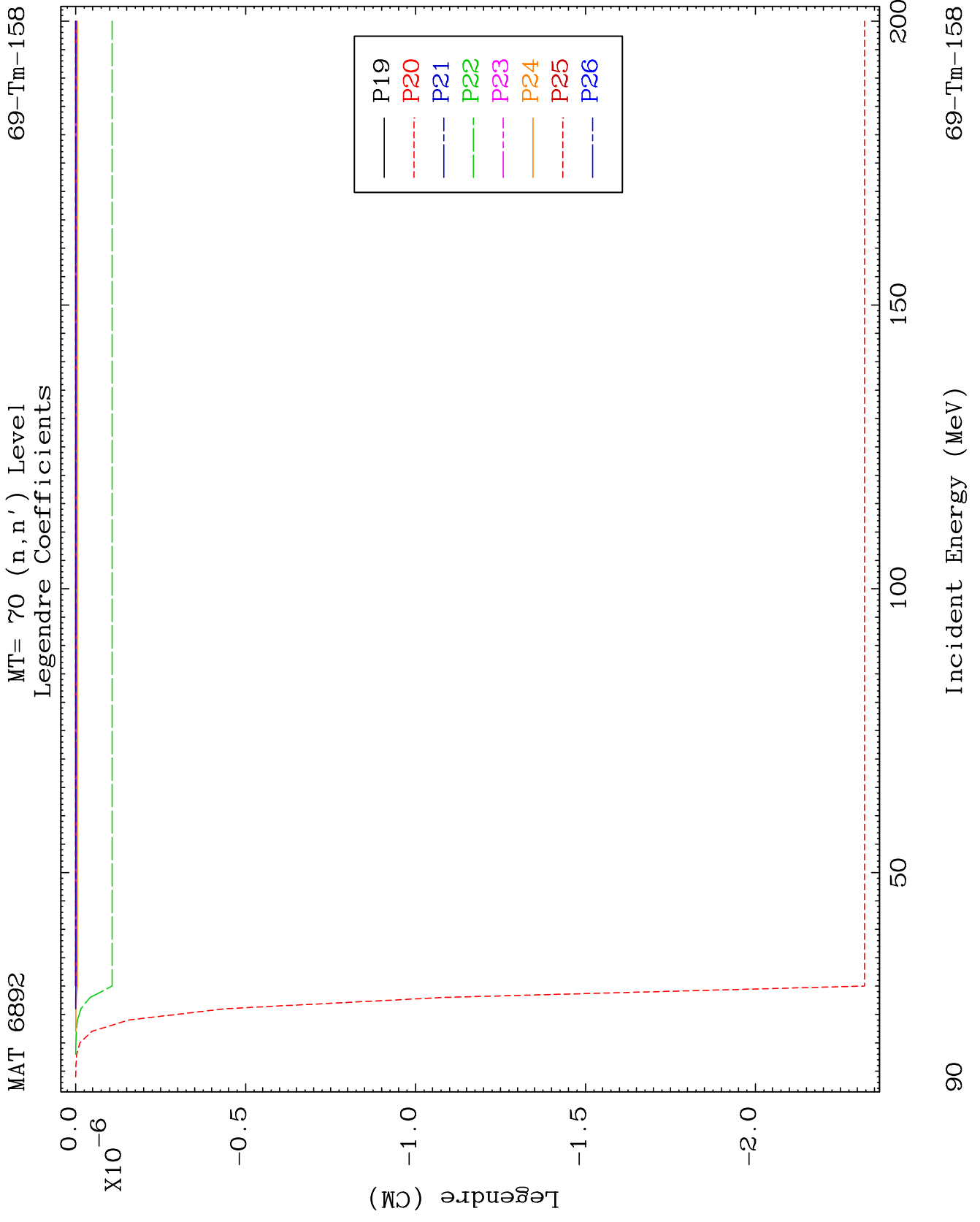
69-Tm-158



89

Incident Energy (MeV)

69-Tm-158

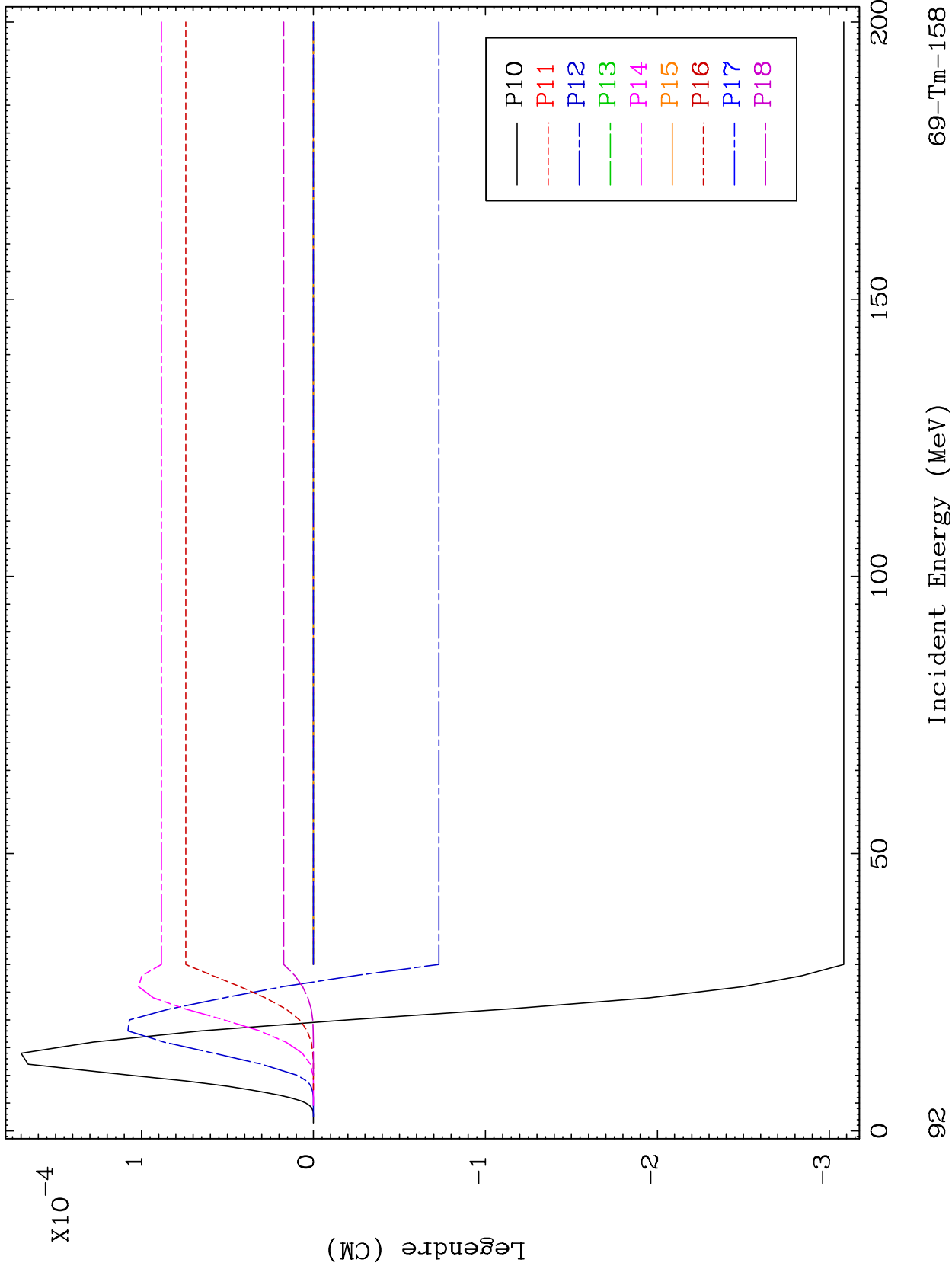




MAT 6892

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

69-Tm-158



69-Tm-158

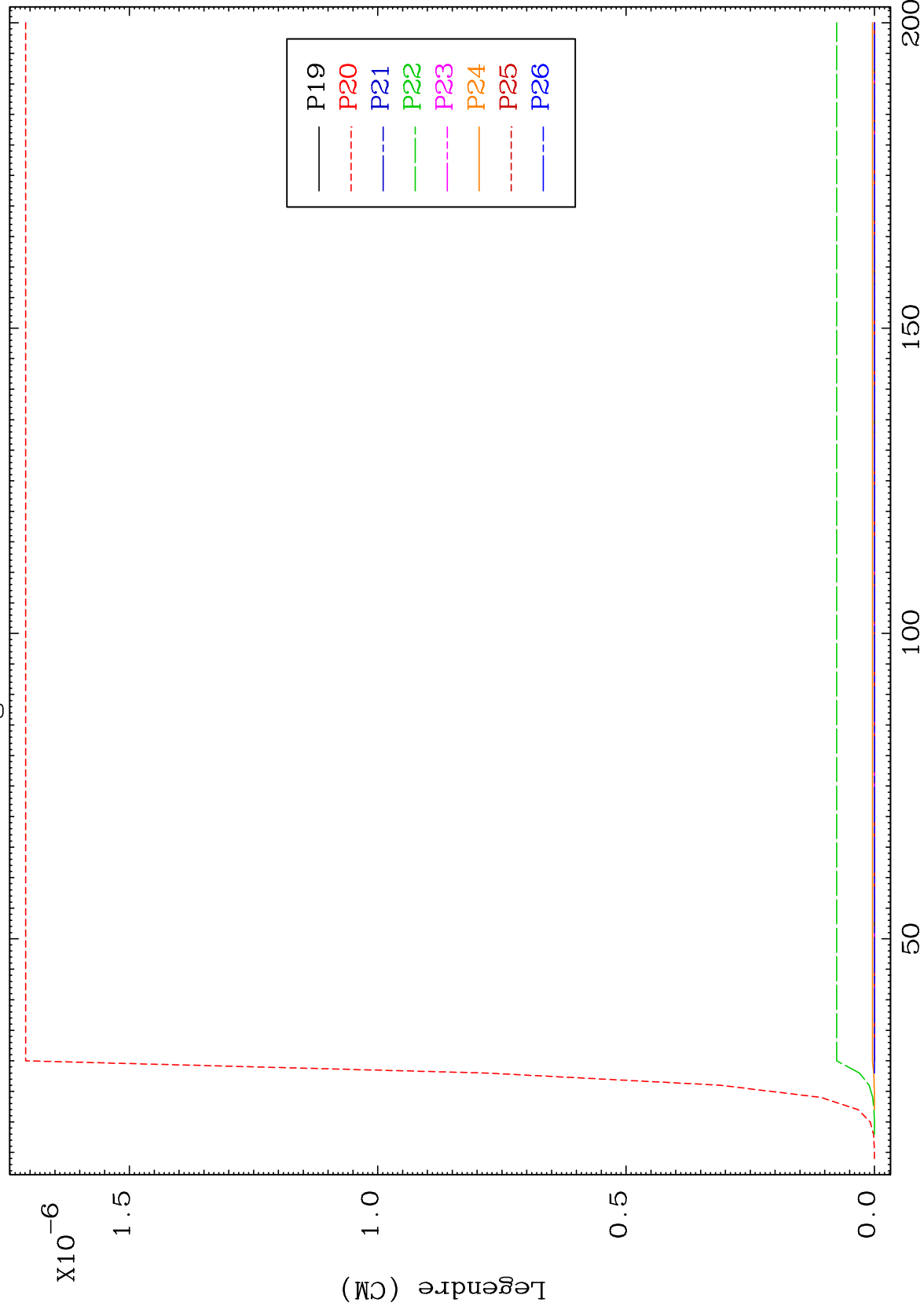
Incident Energy (MeV)

92

MAT 6892

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

69-Tm-158



69-Tm-158

Incident Energy (MeV)

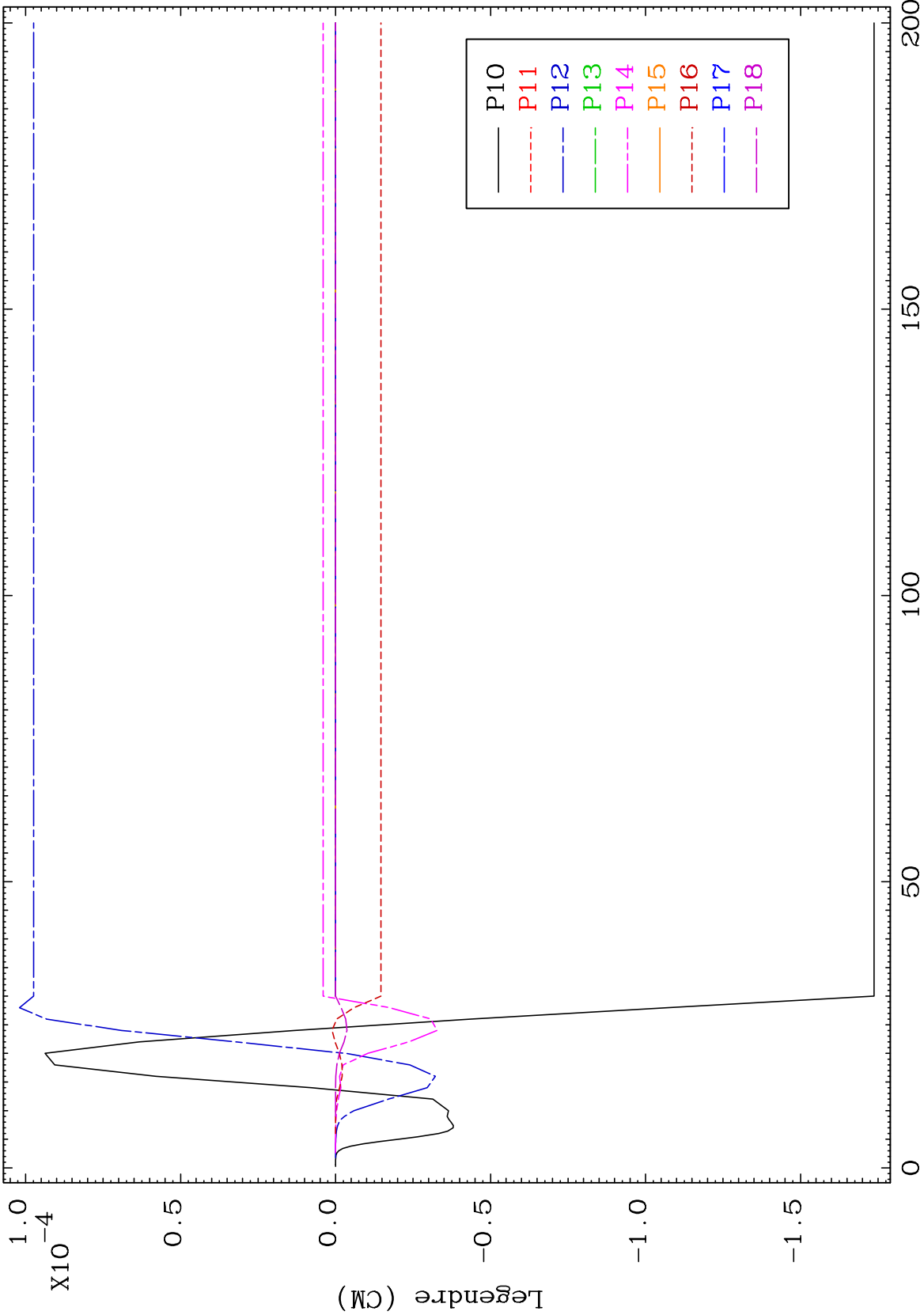
93



MAT 6892

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

69-Tm-158

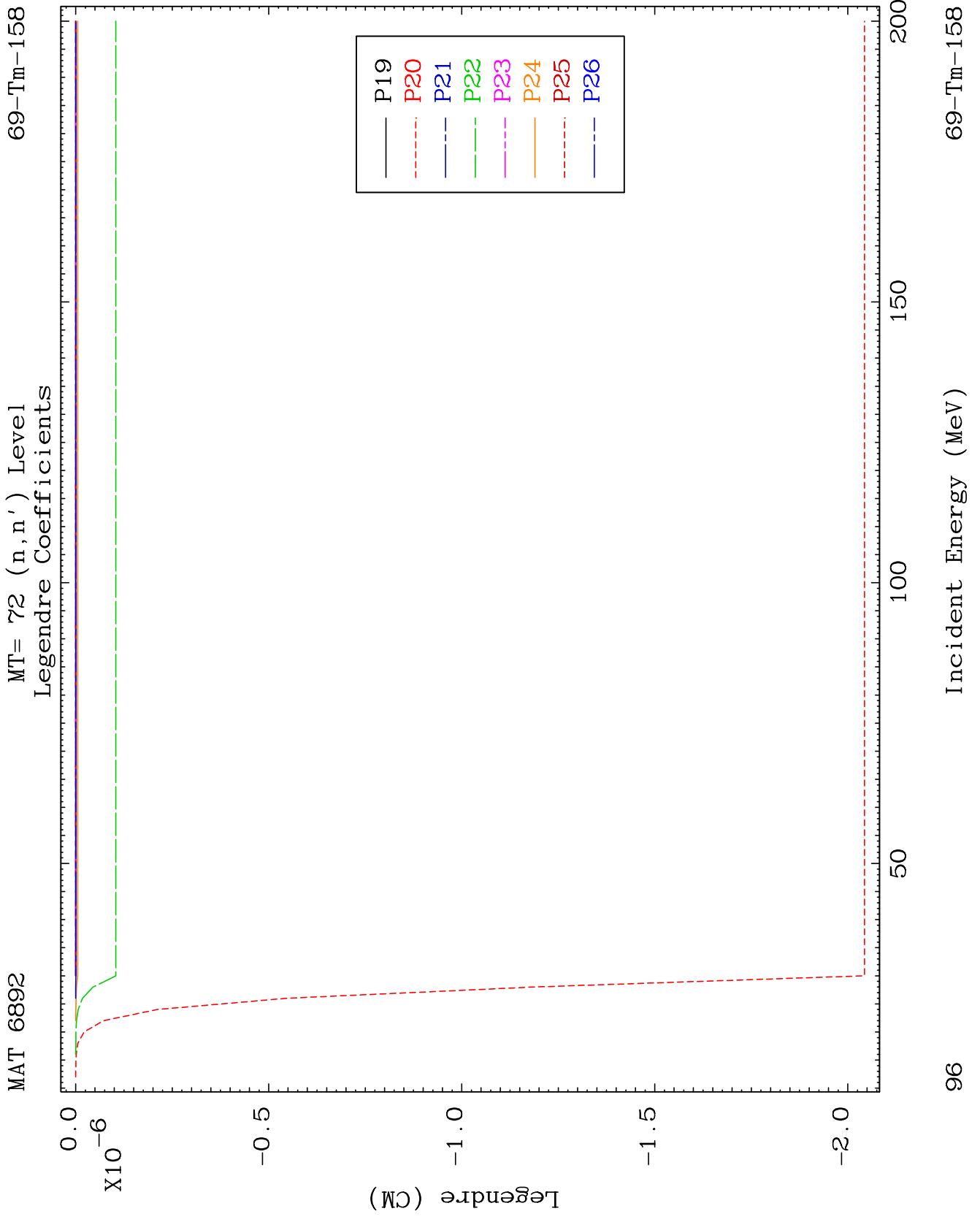


95

Incident Energy (MeV)

69-Tm-158

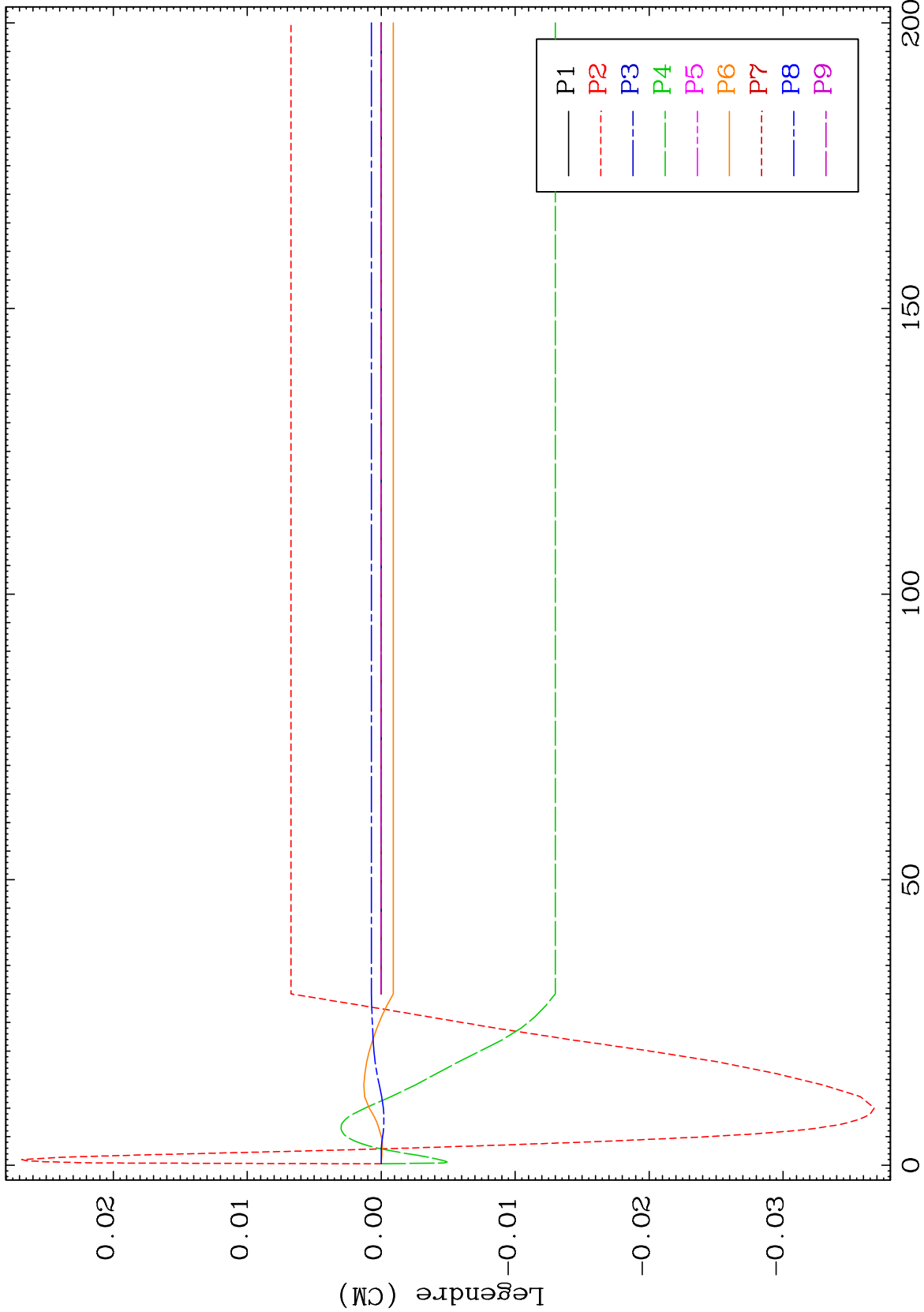




MAT 6892

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

69-Tm-158



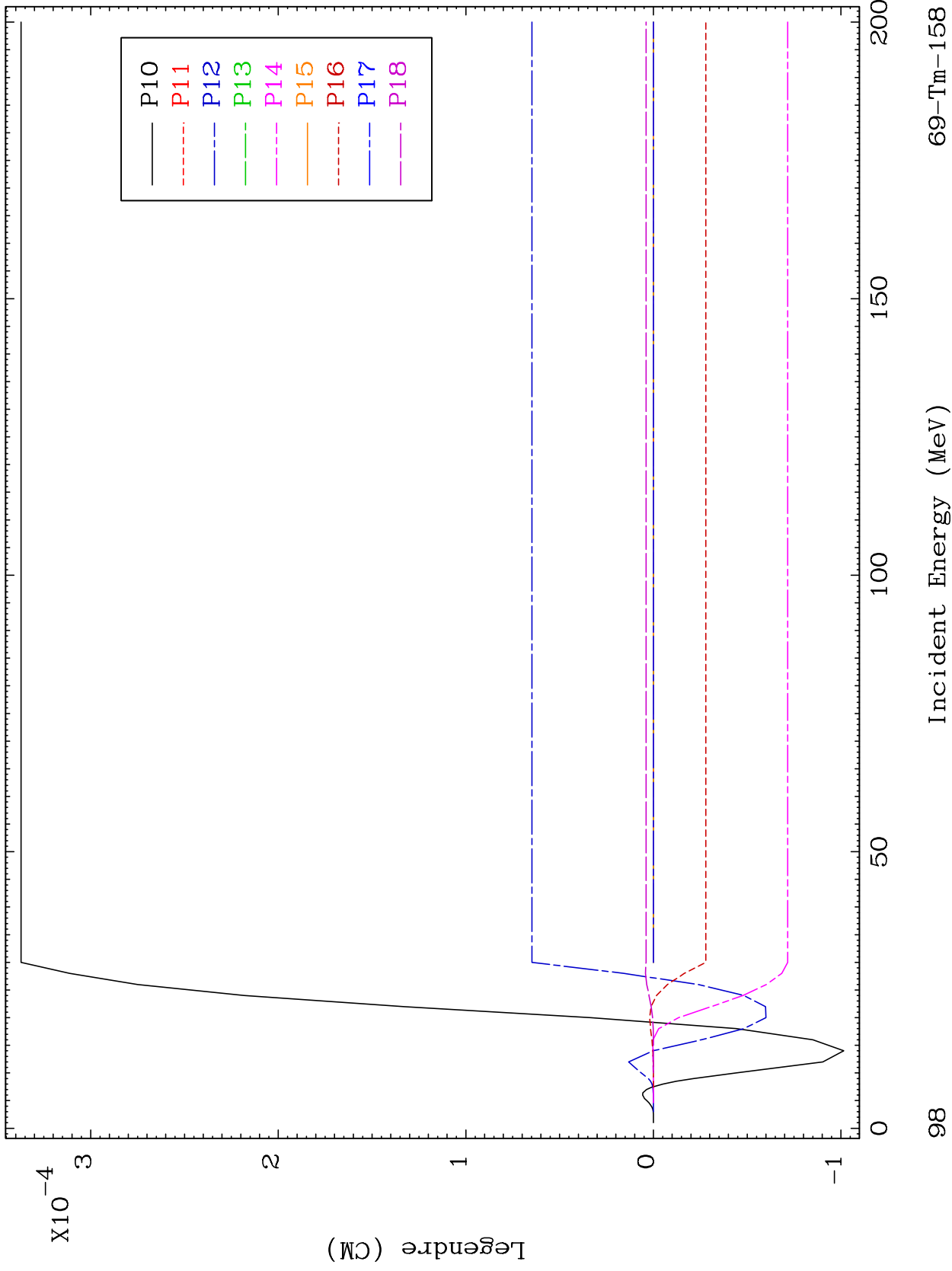
97

69-Tm-158

MAT 6892

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

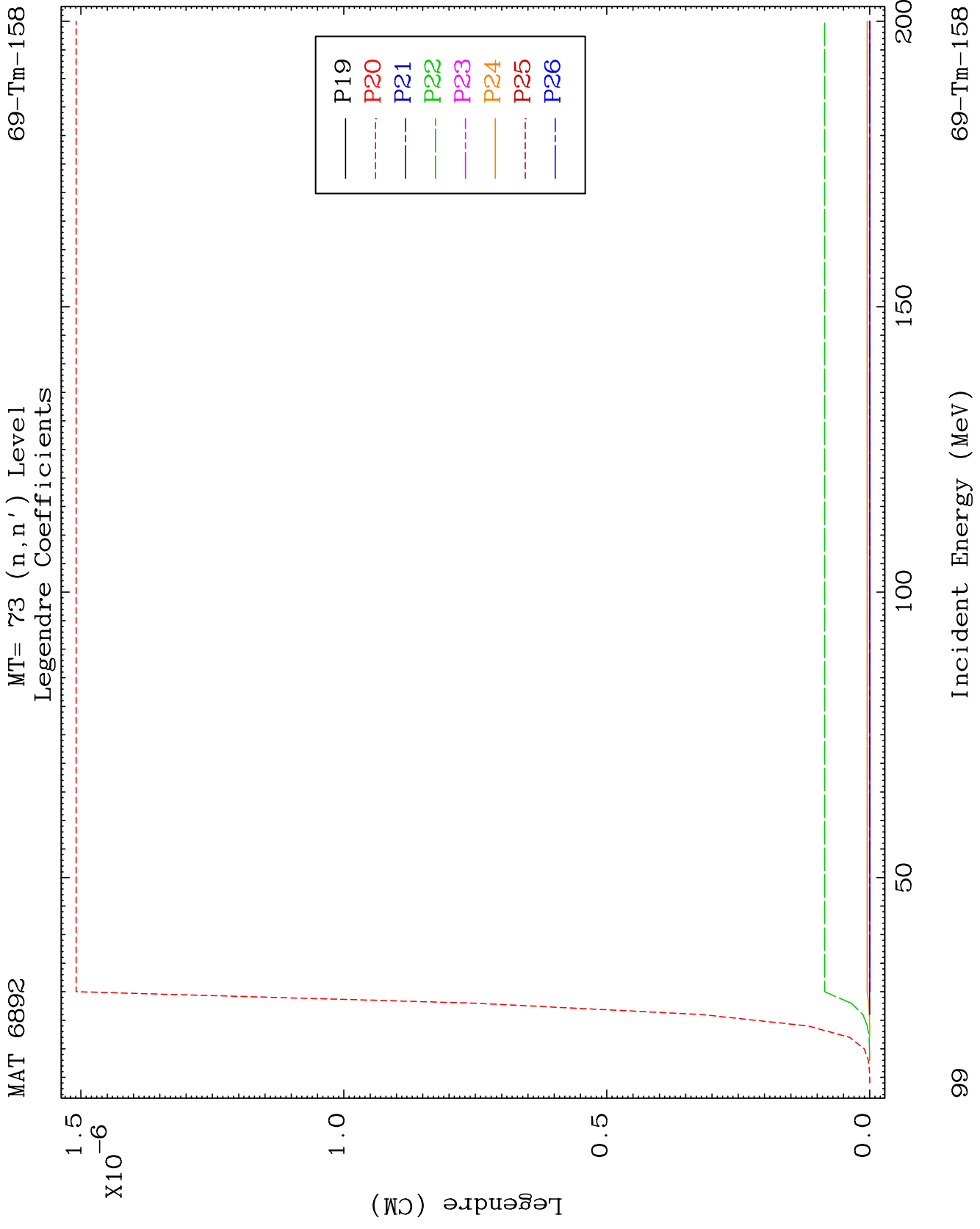
69-Tm-158

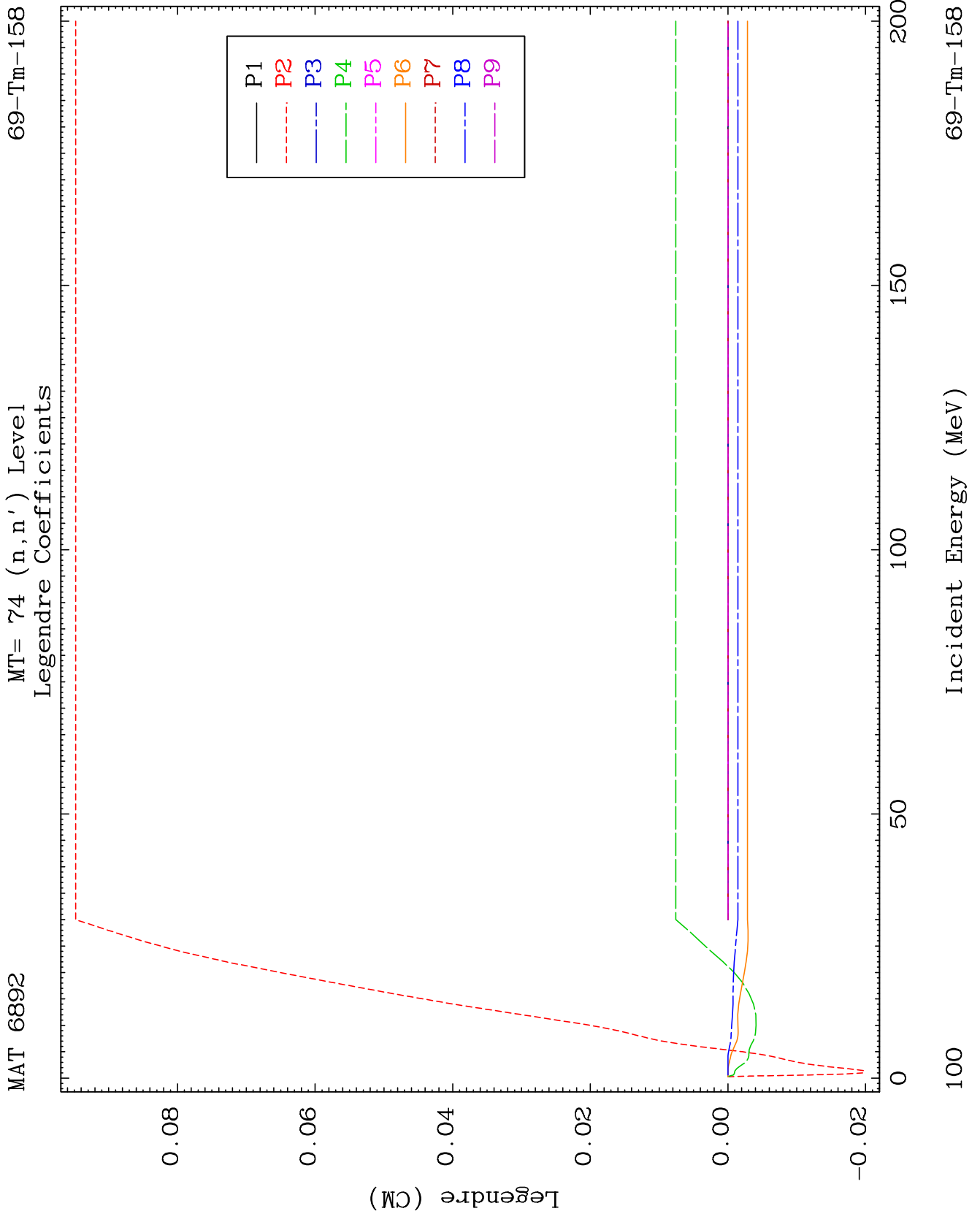


98

Incident Energy (MeV)

69-Tm-158

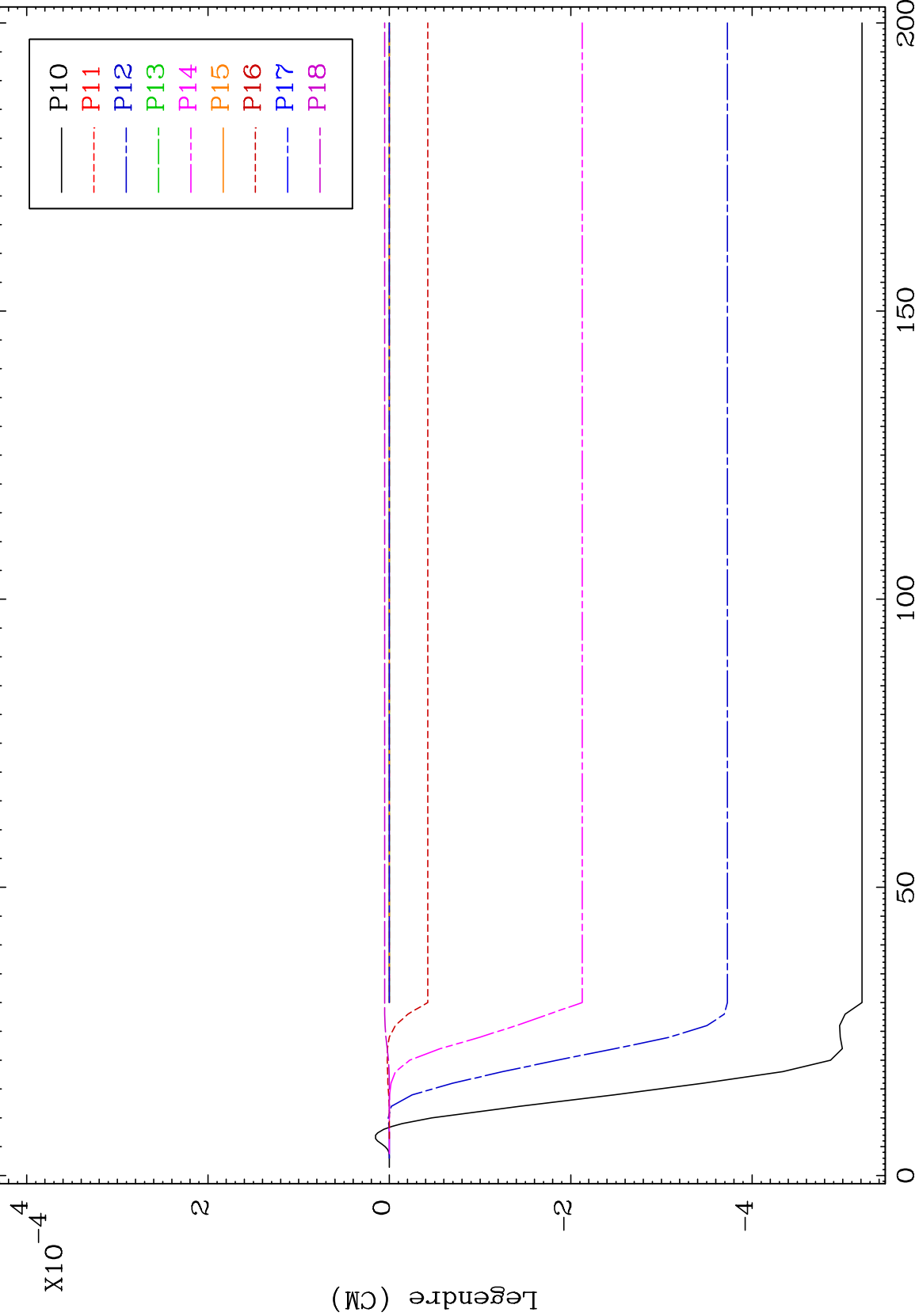




MAT 6892

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

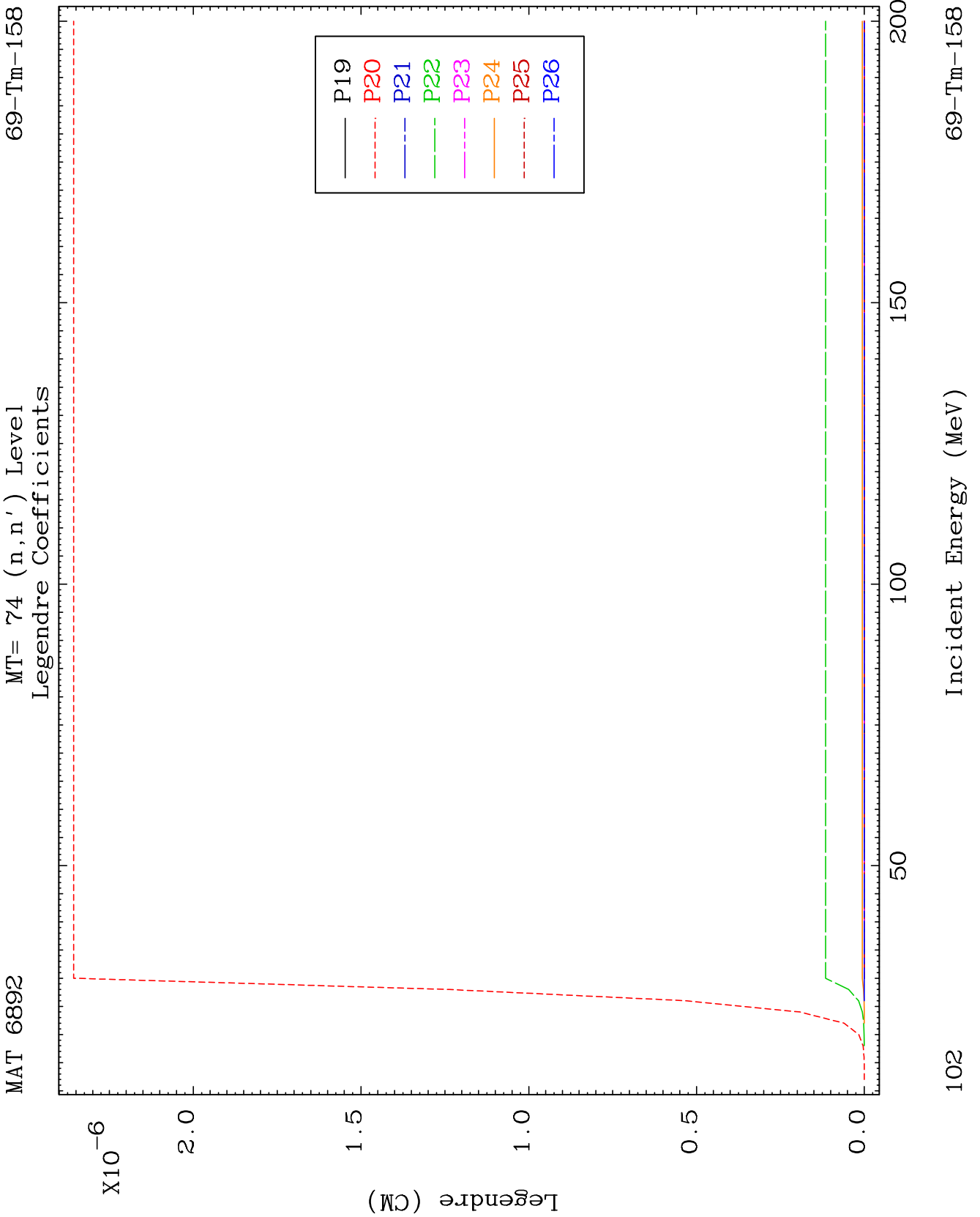
69-Tm-158



101

Incident Energy (MeV)

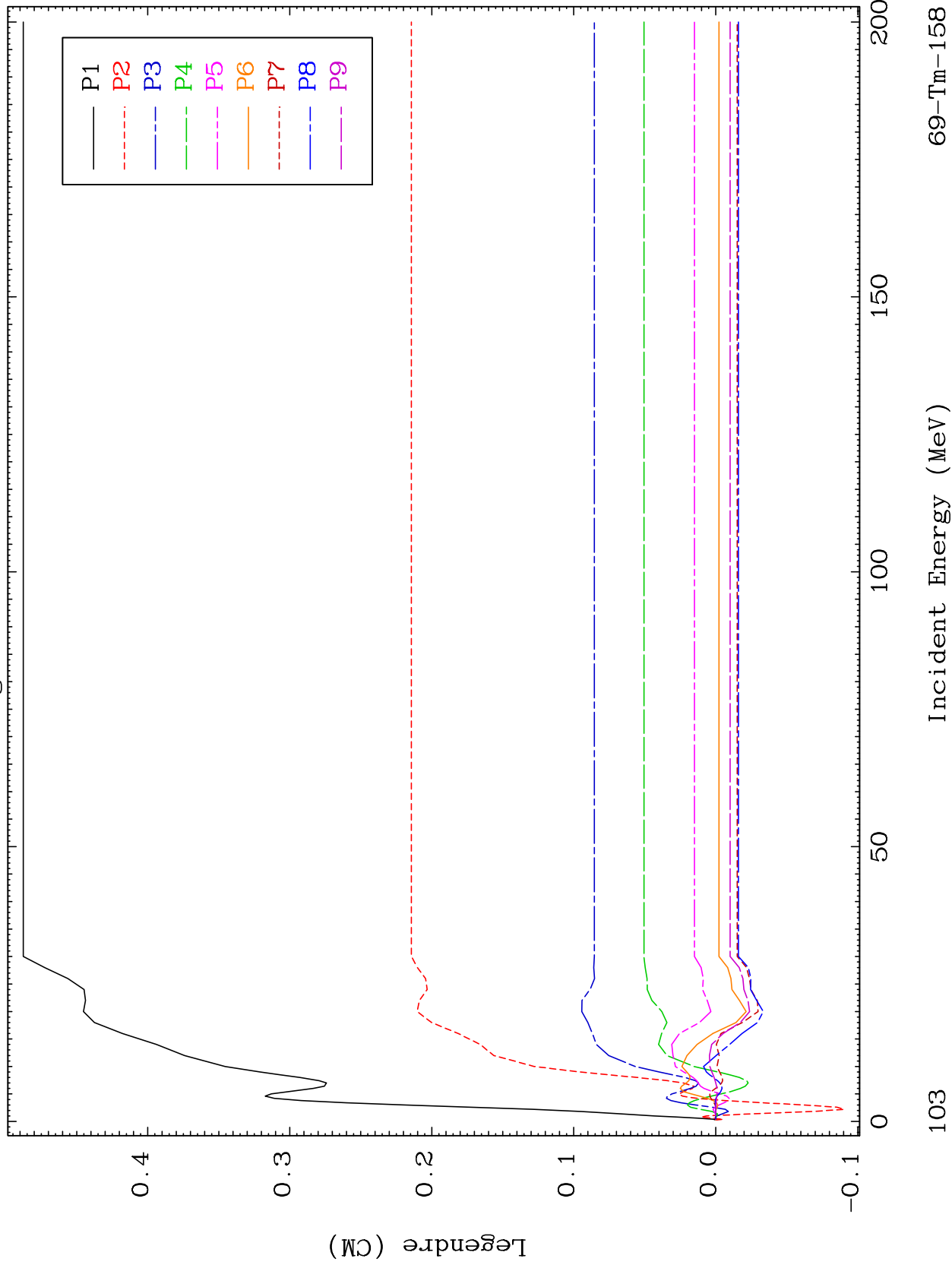
69-Tm-158



MAT 6892

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

69-Tm-158

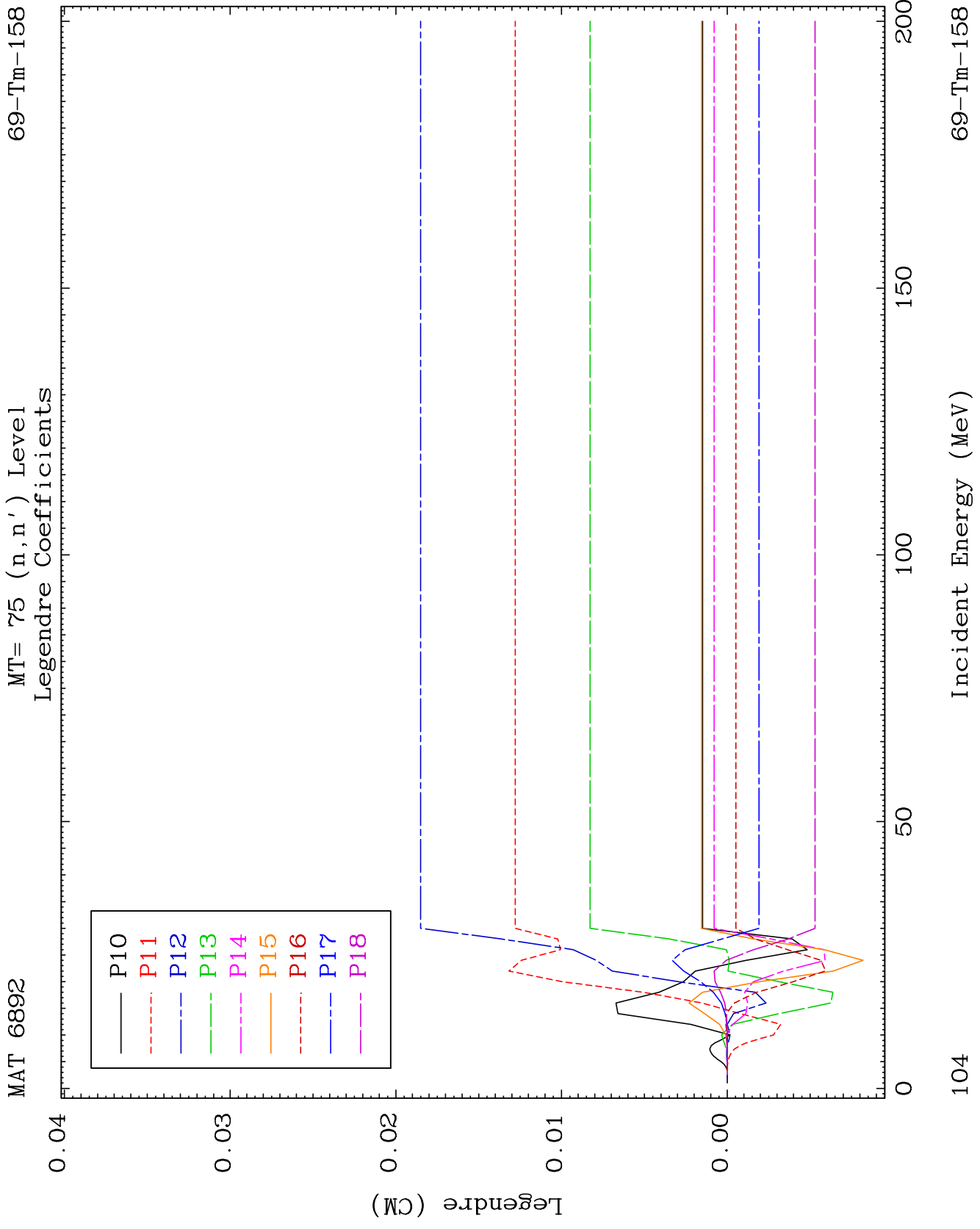


69-Tm-158

Incident Energy (MeV)

103

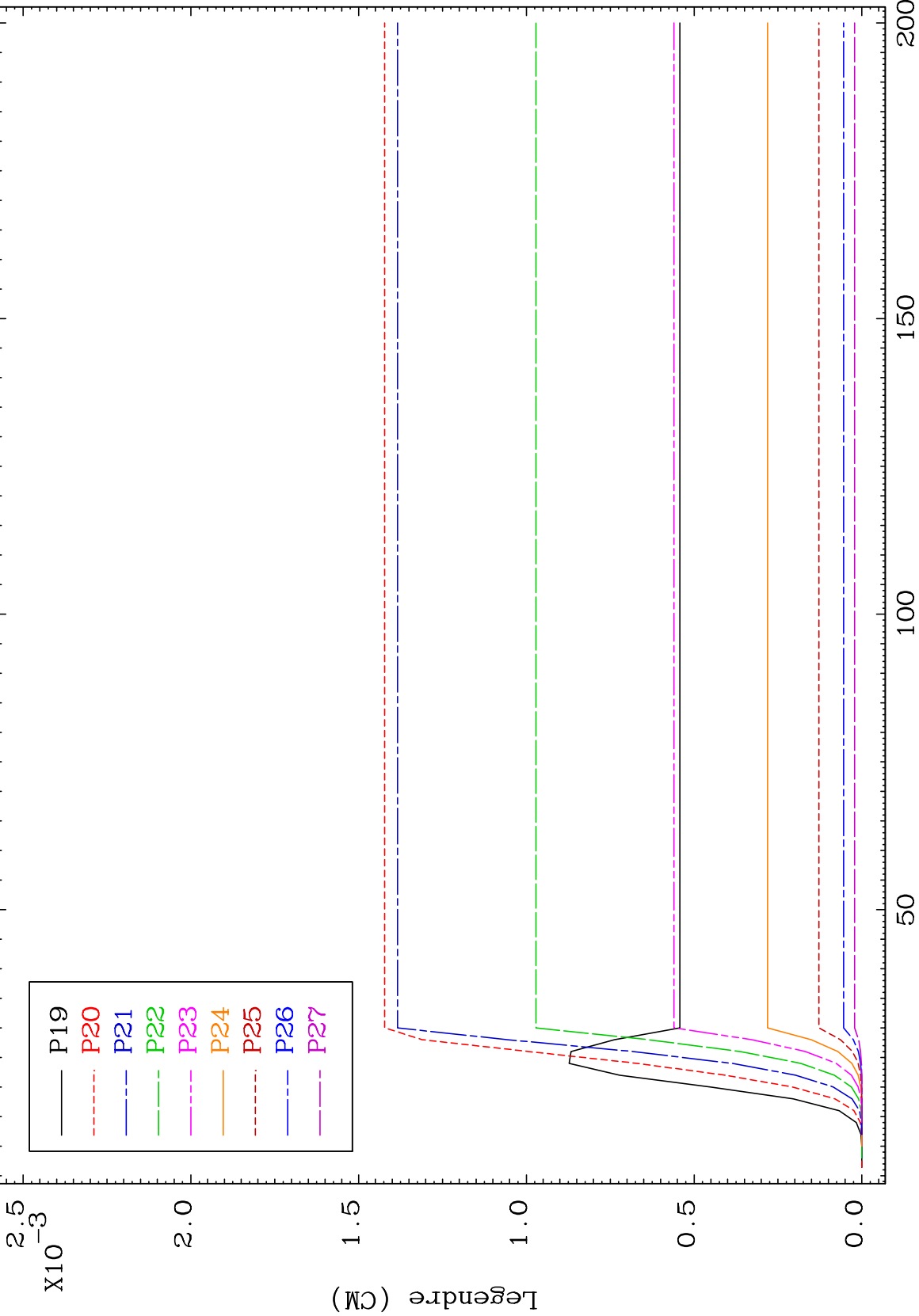




MAT 6892

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

69-Tm-158



105

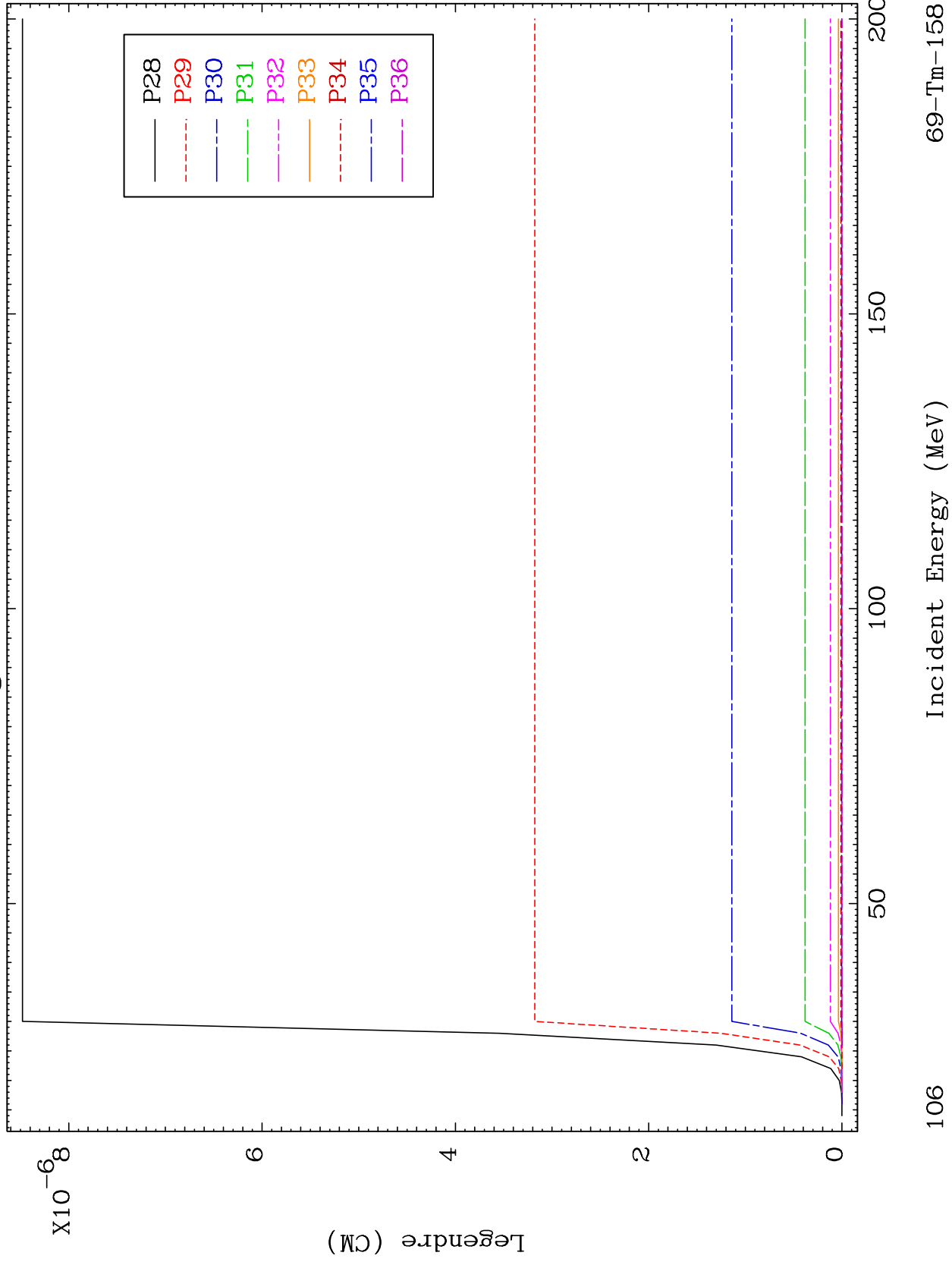
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



106

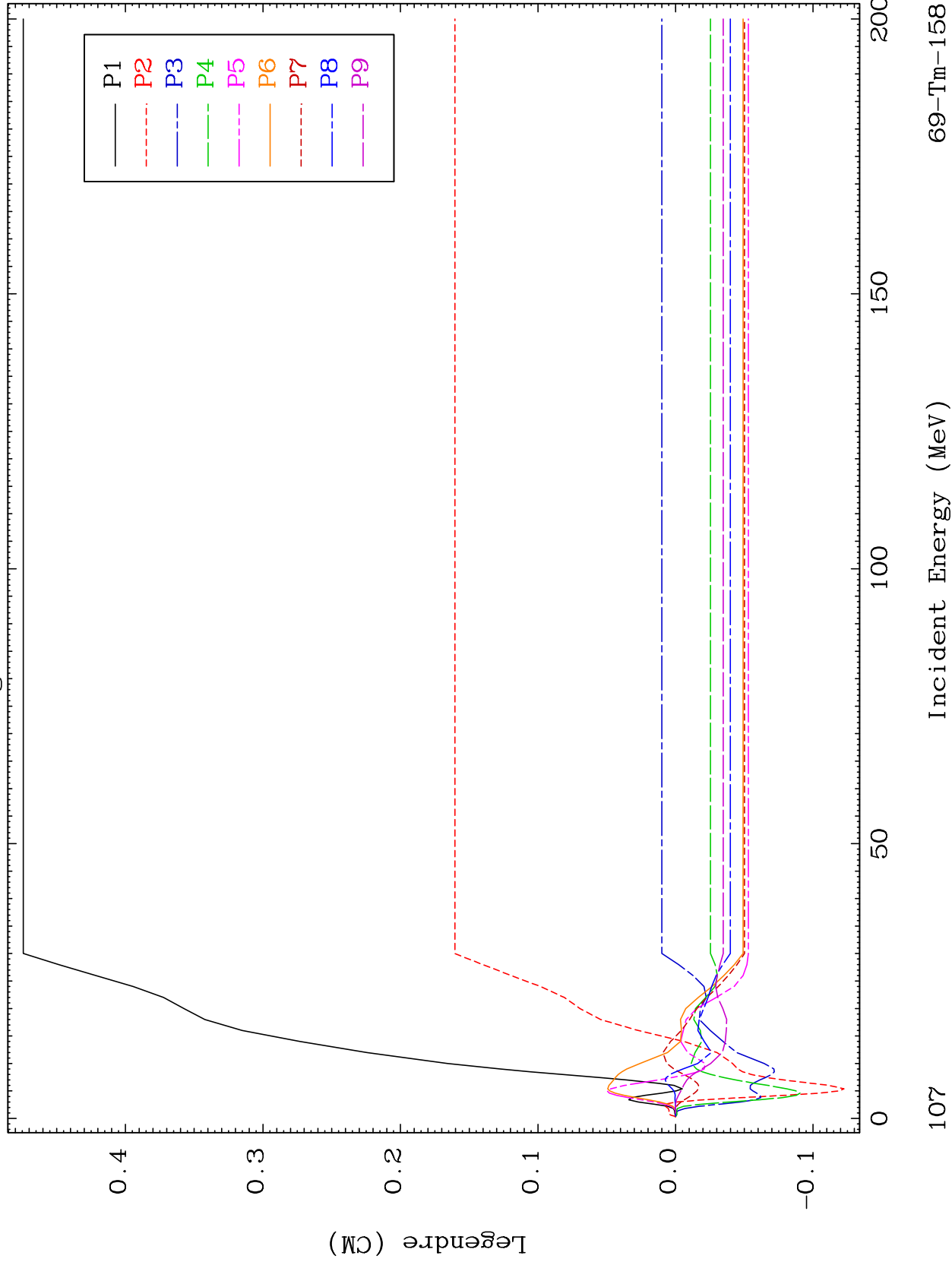
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



69-Tm-158

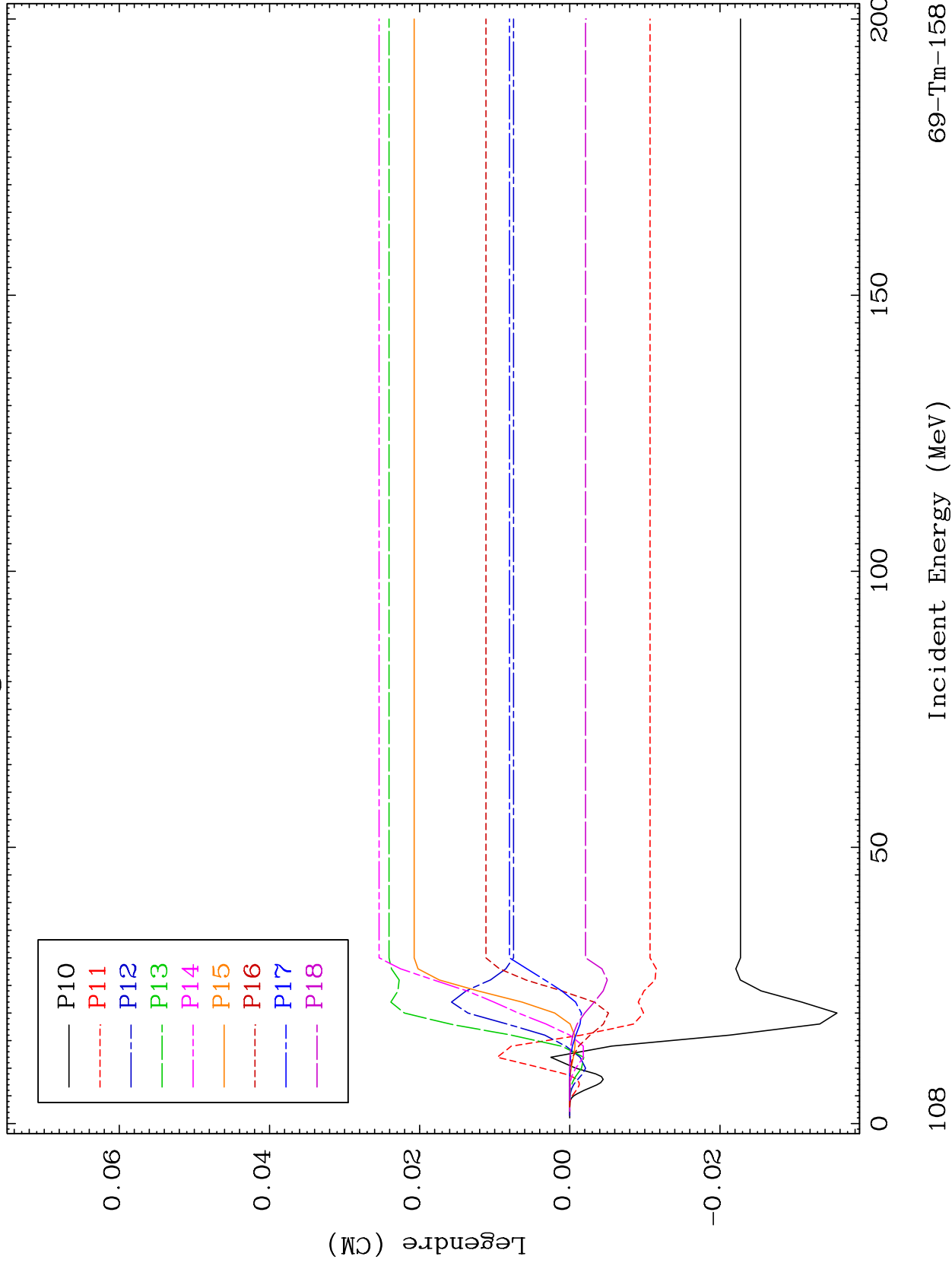
Incident Energy (MeV)

107

MAT 6892

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

69-Tm-158

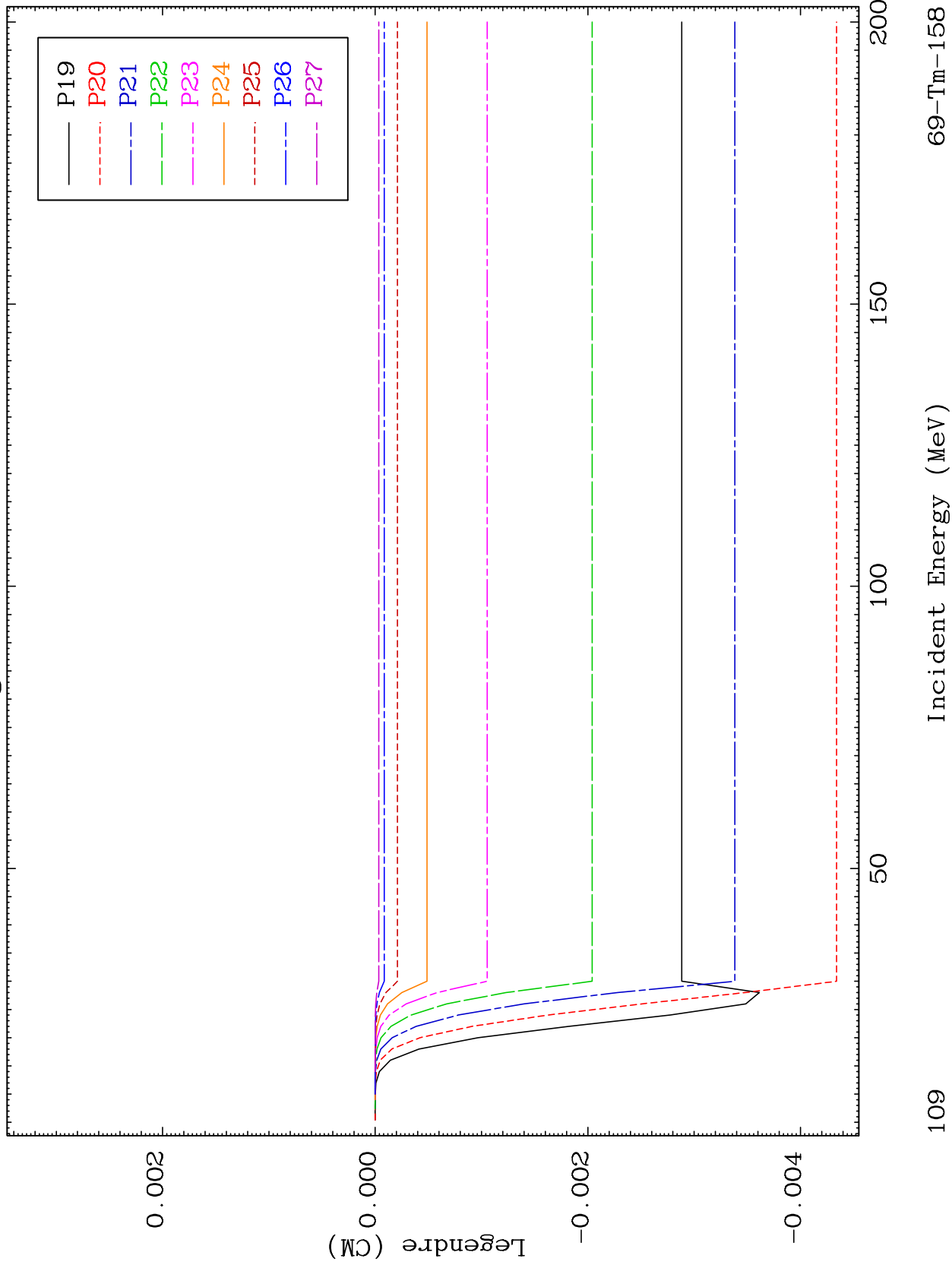


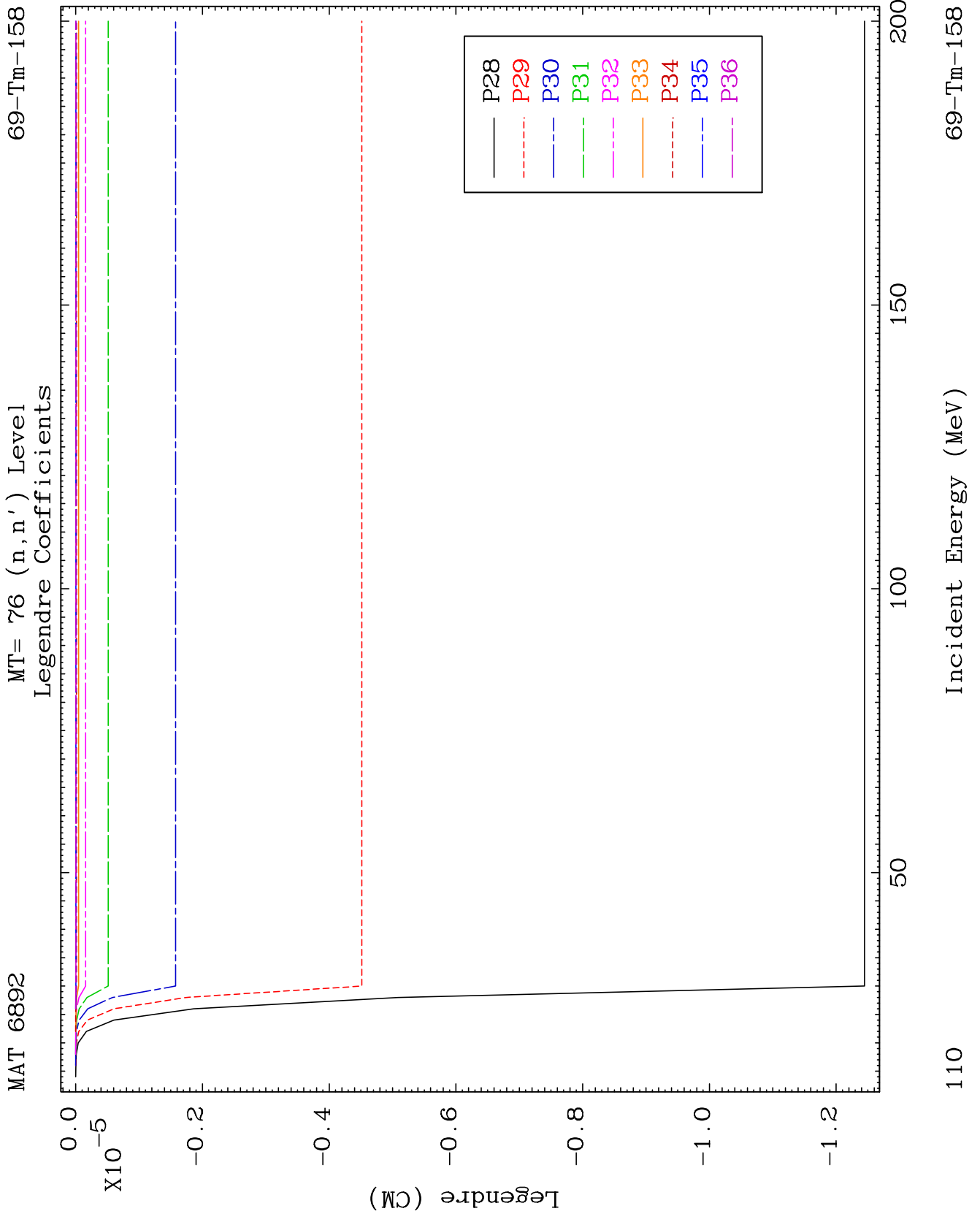
108

MAT 6892

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

69-Tm-158

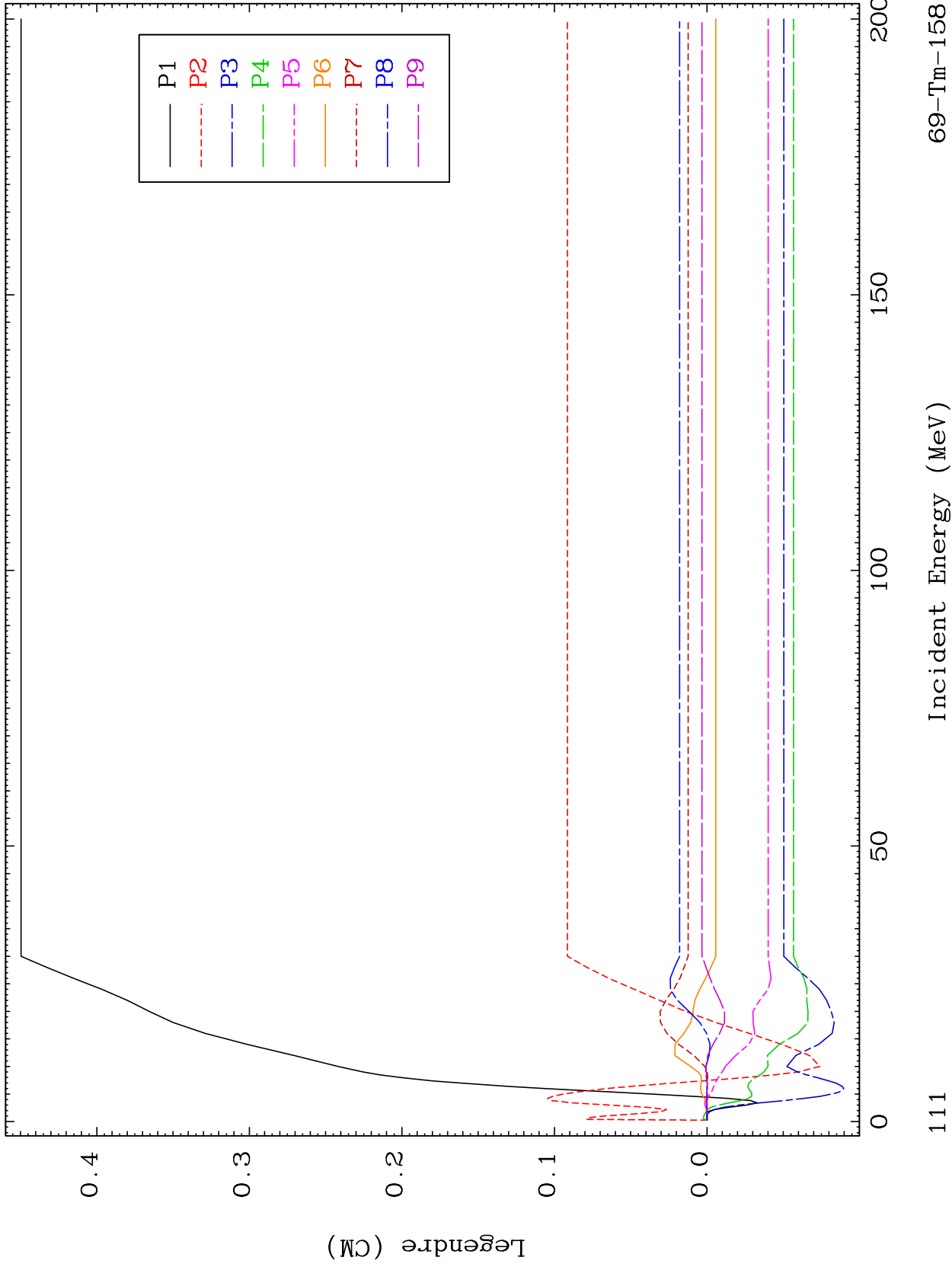




MAT 6892

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

69-Tm-158



111

Incident Energy (MeV)

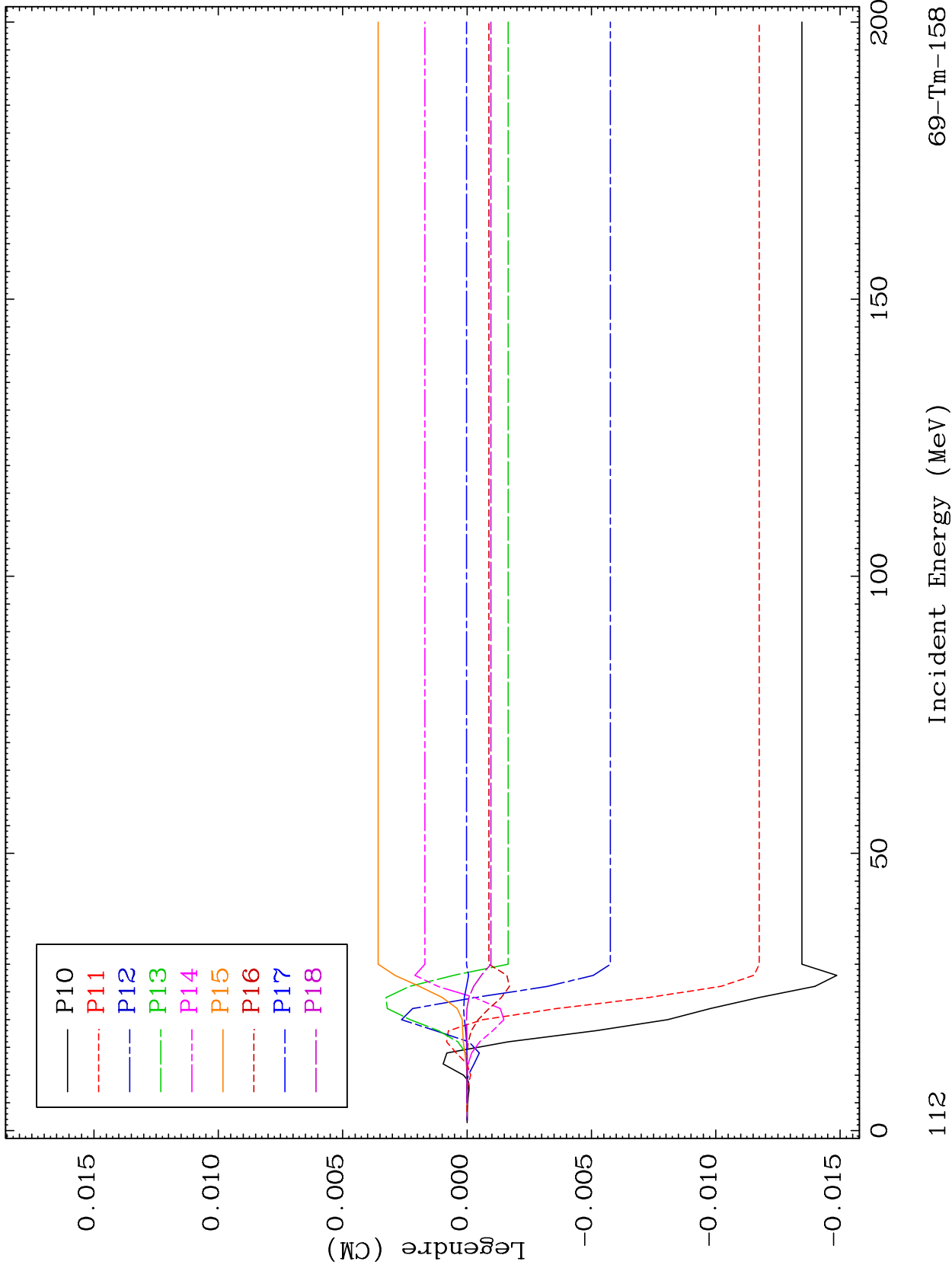
69-Tm-158



MAT 6892

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

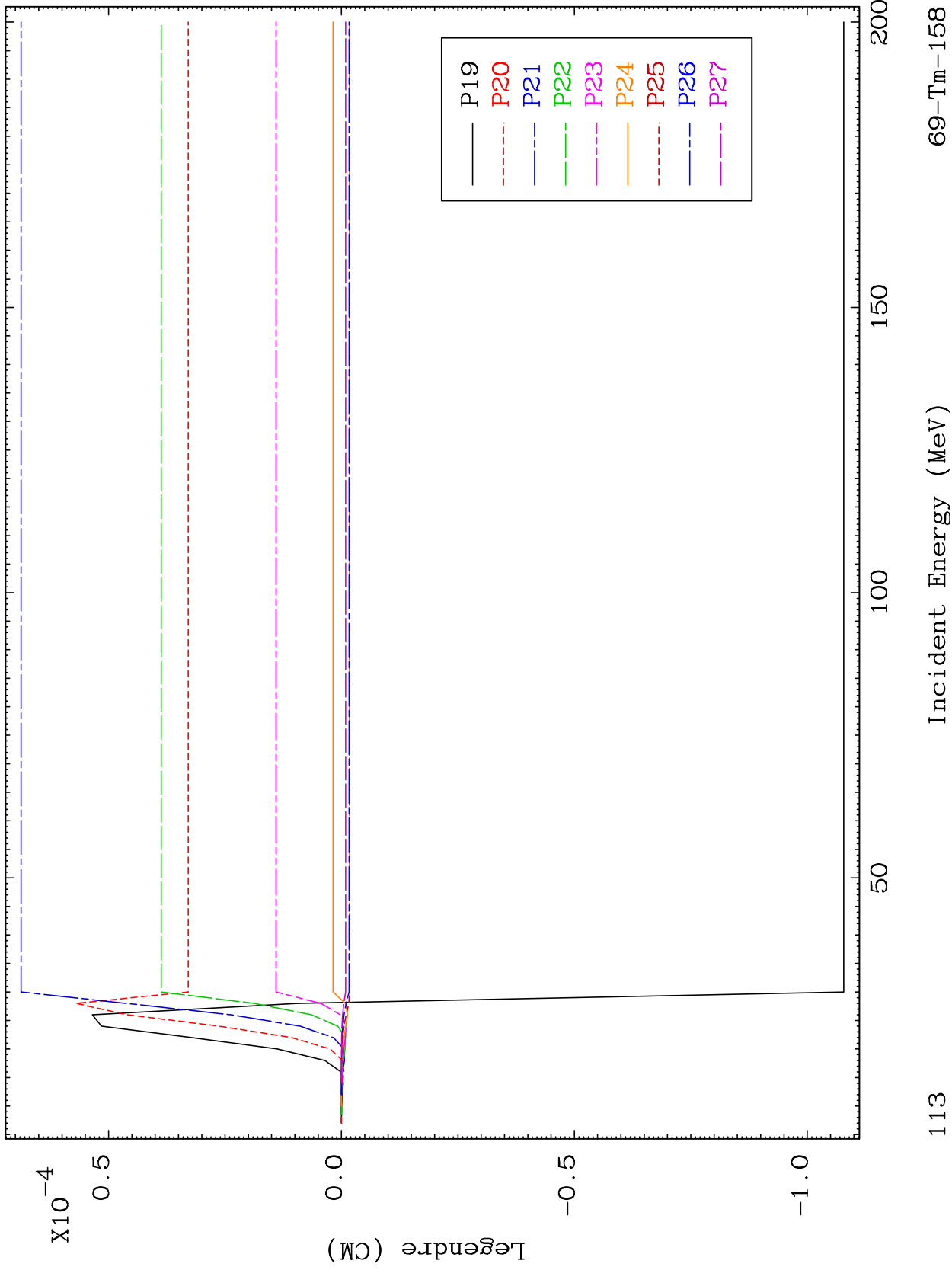
69-Tm-158

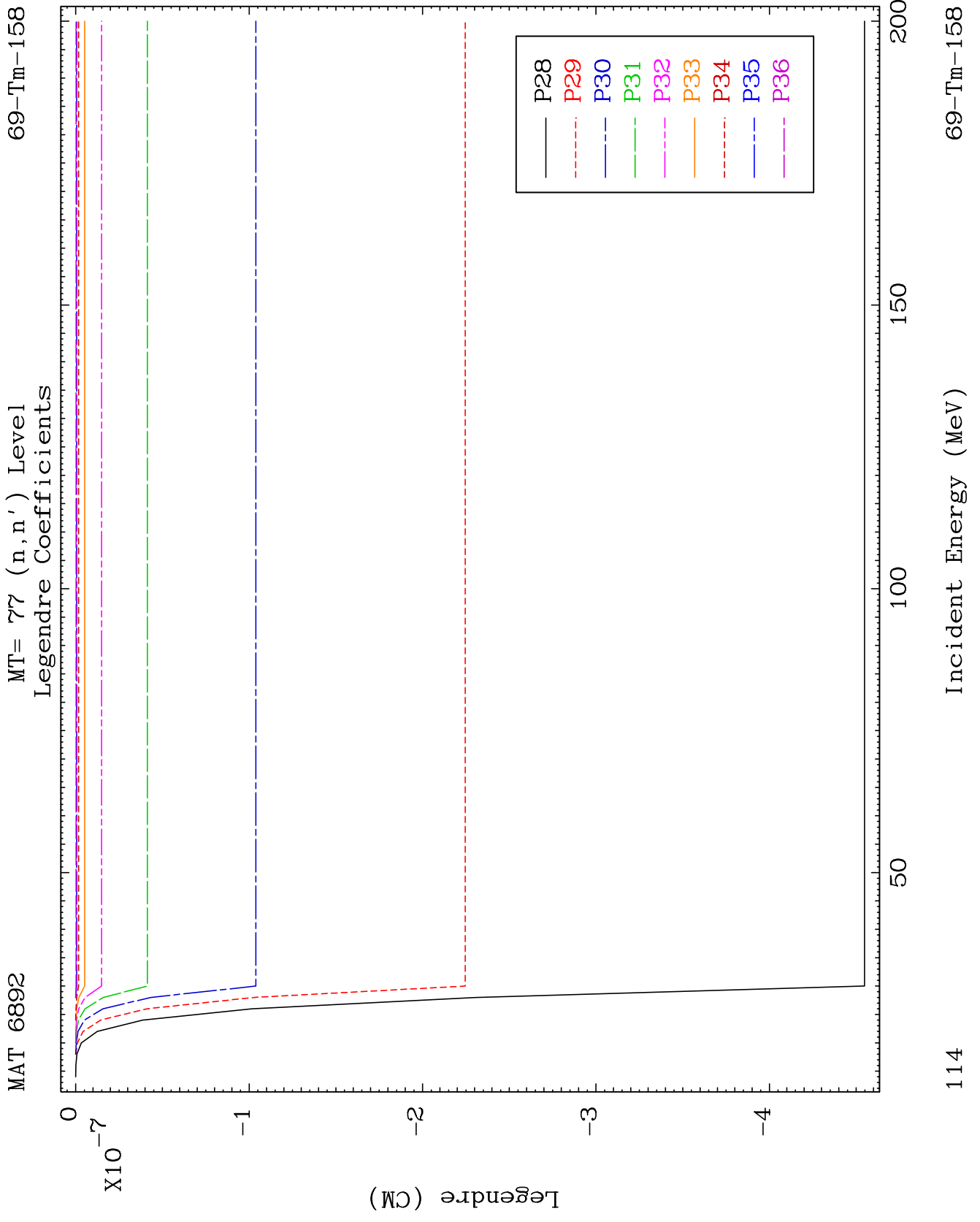


112

Incident Energy (MeV)

69-Tm-158

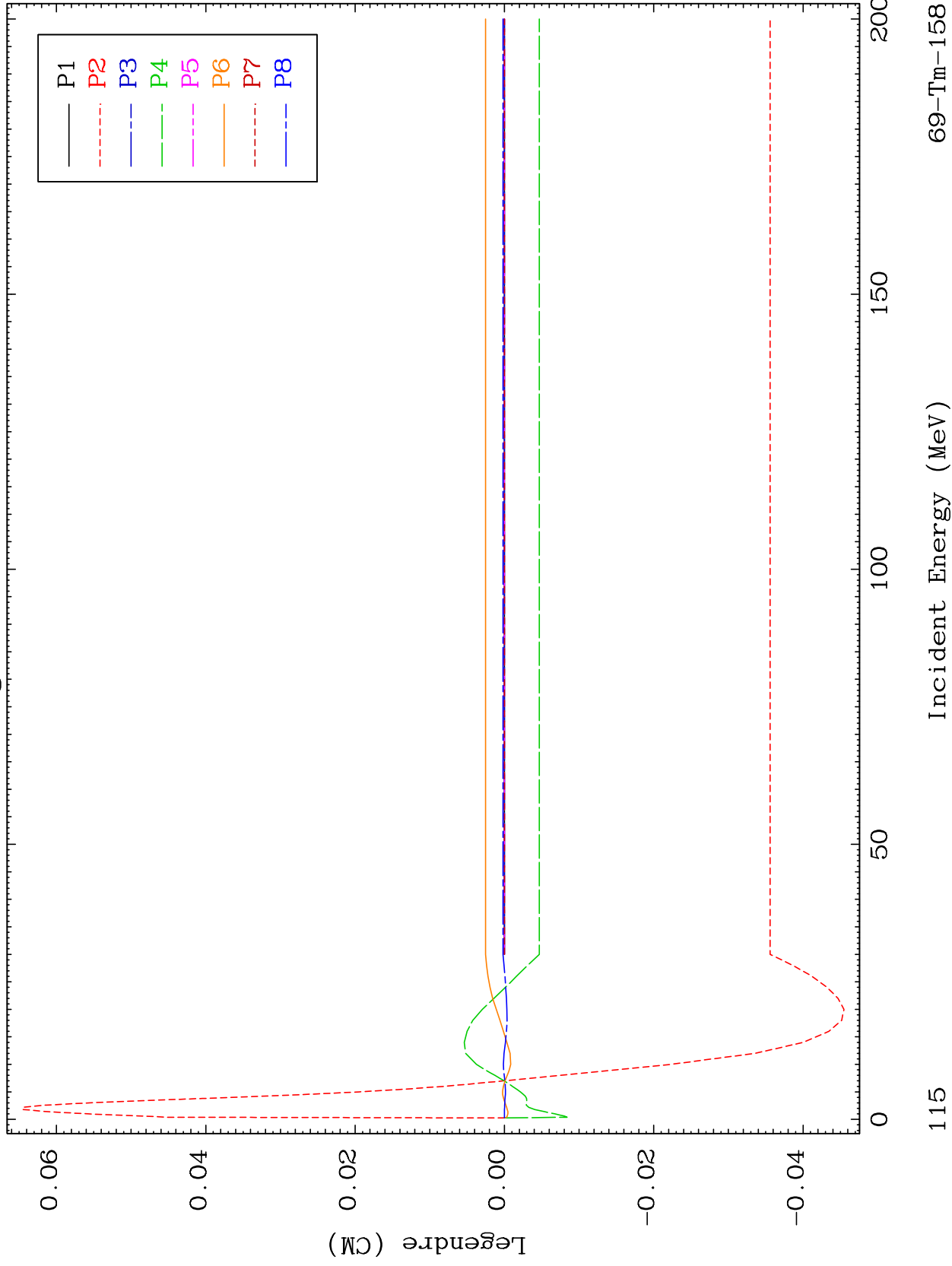




MAT 6892

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

69-Tm-158



69-Tm-158

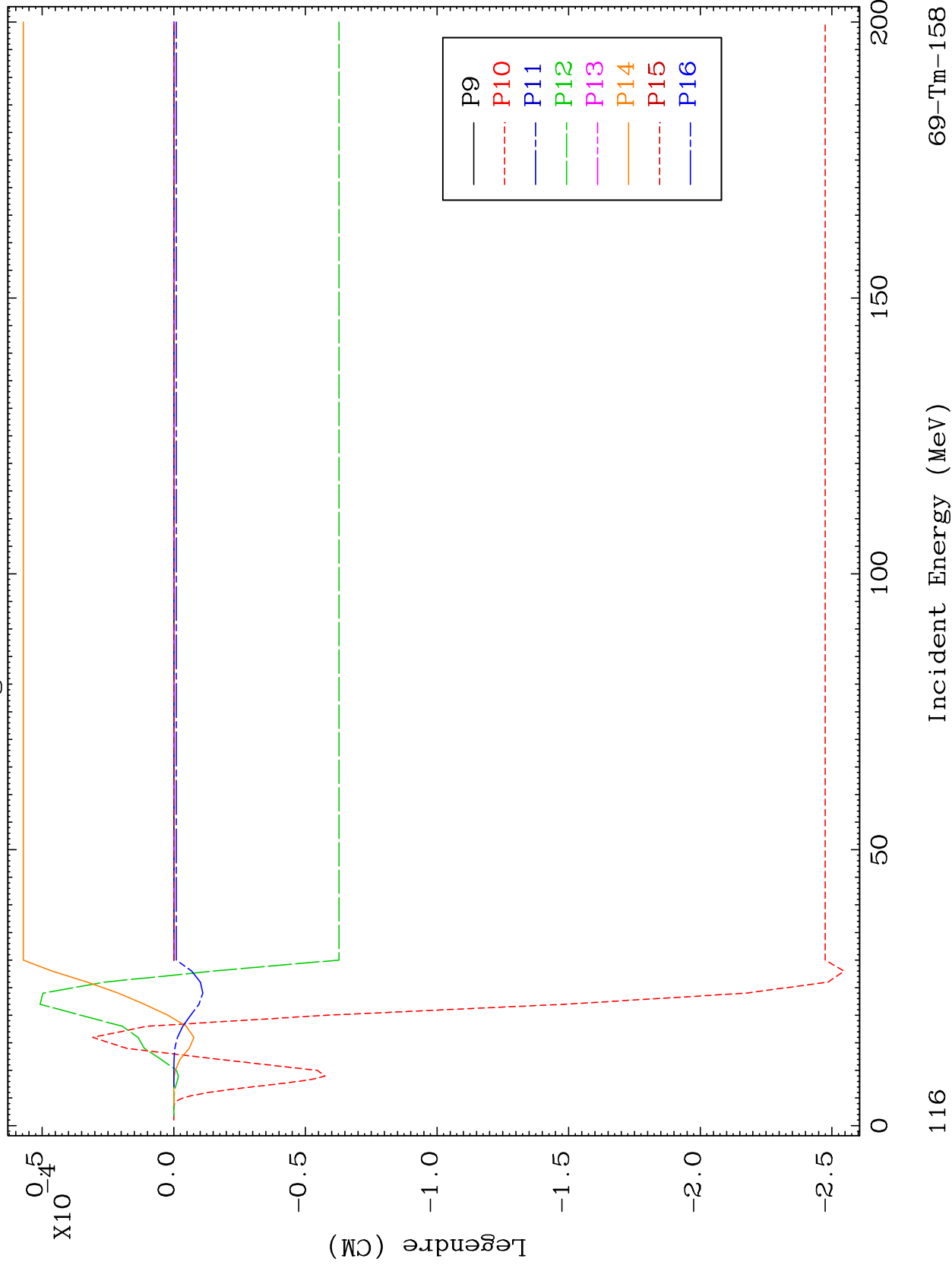
Incident Energy (MeV)

115

MAT 6892

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

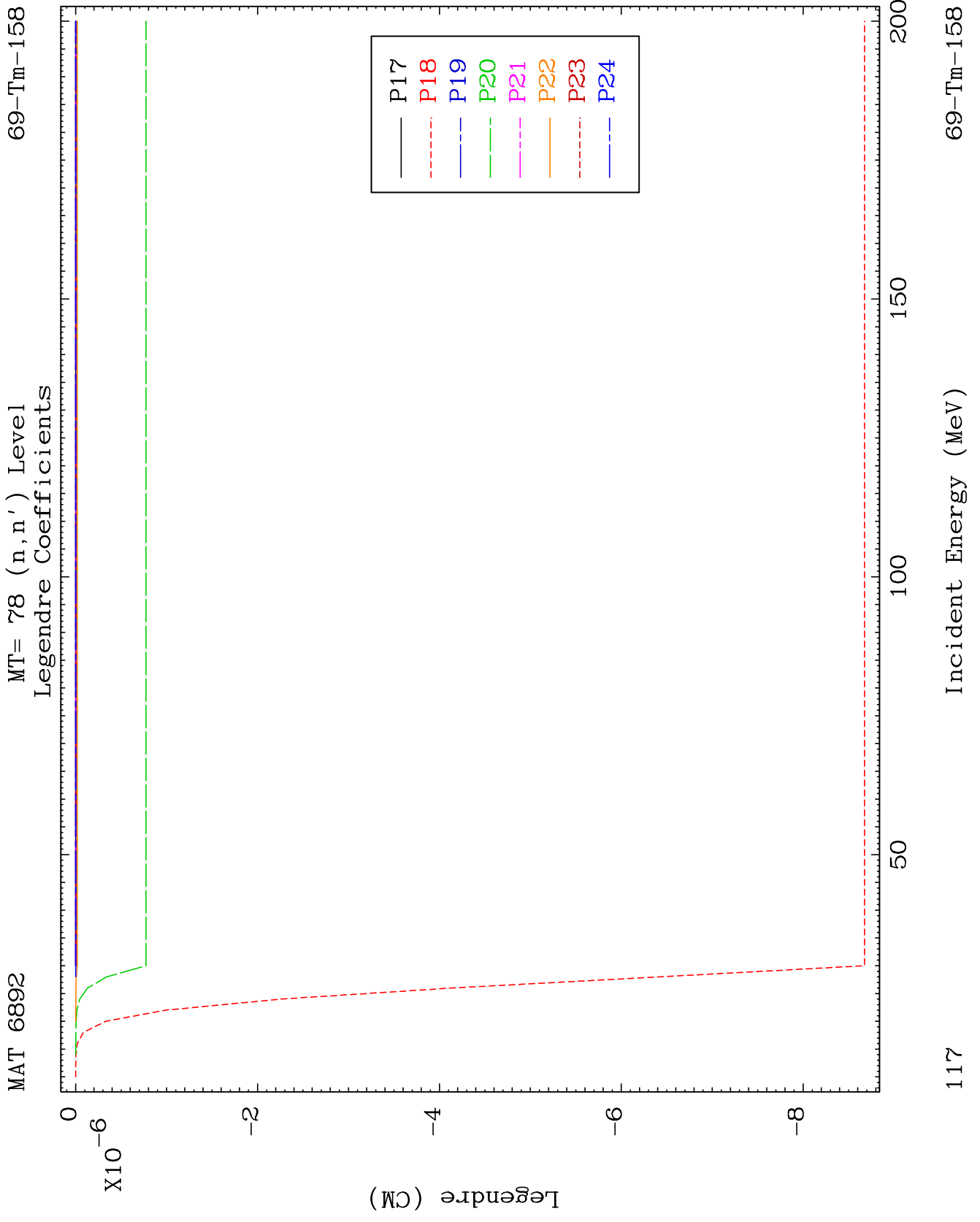
69-Tm-158



116

Incident Energy (MeV)

69-Tm-158

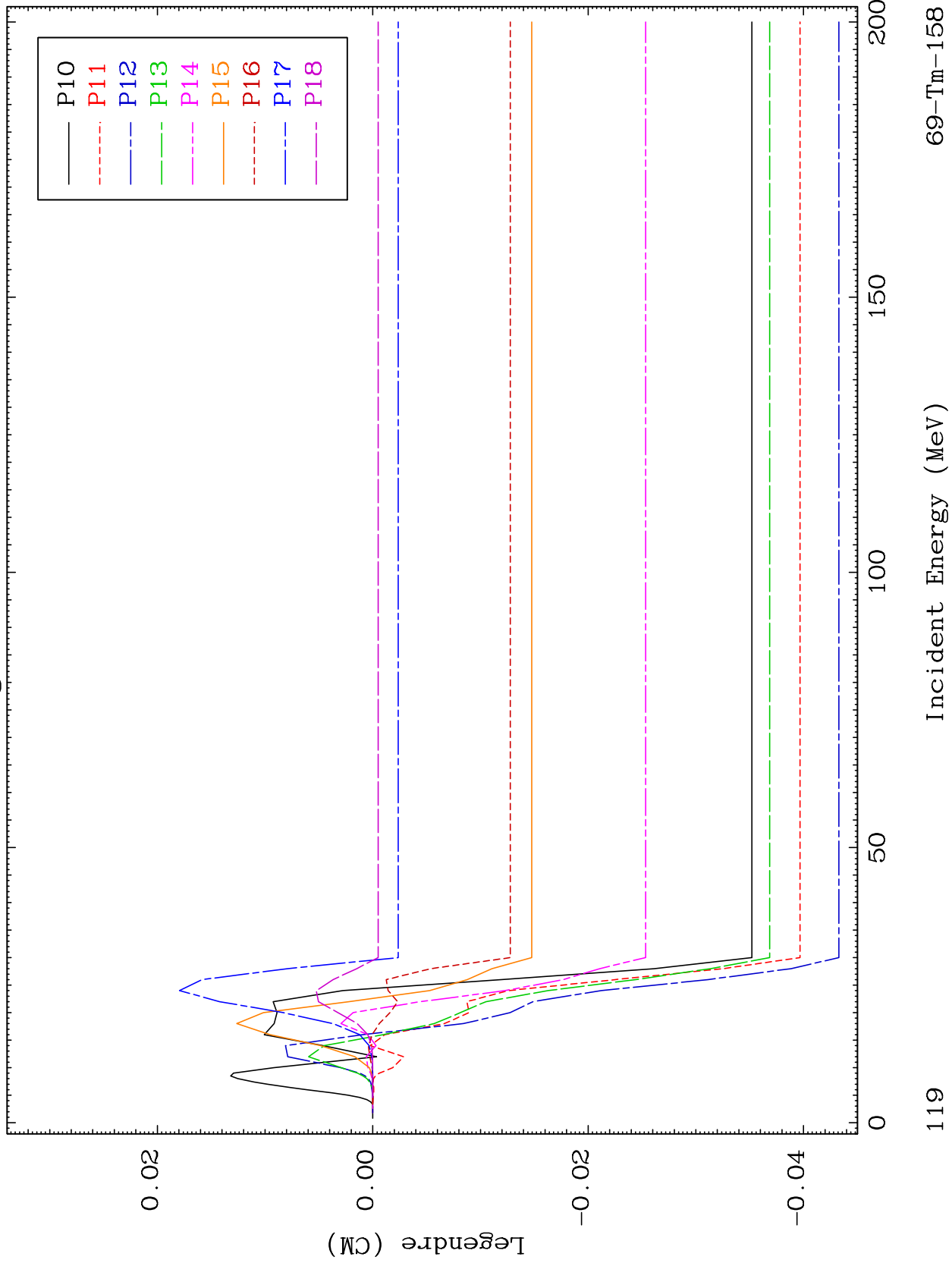




MAT 6892

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

69-Tm-158



69-Tm-158

Incident Energy (MeV)

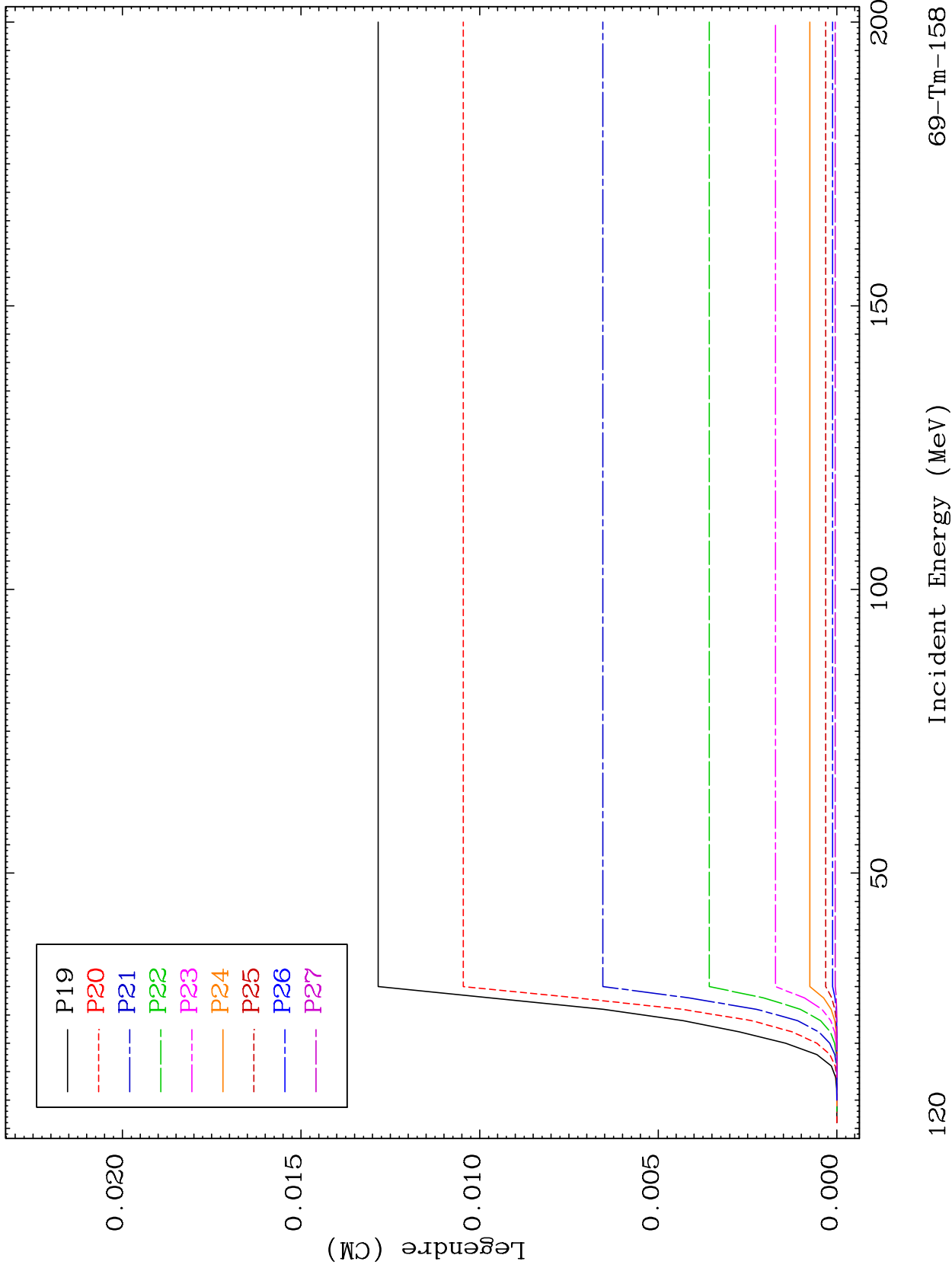
119



MAT 6892

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

69-Tm-158



120

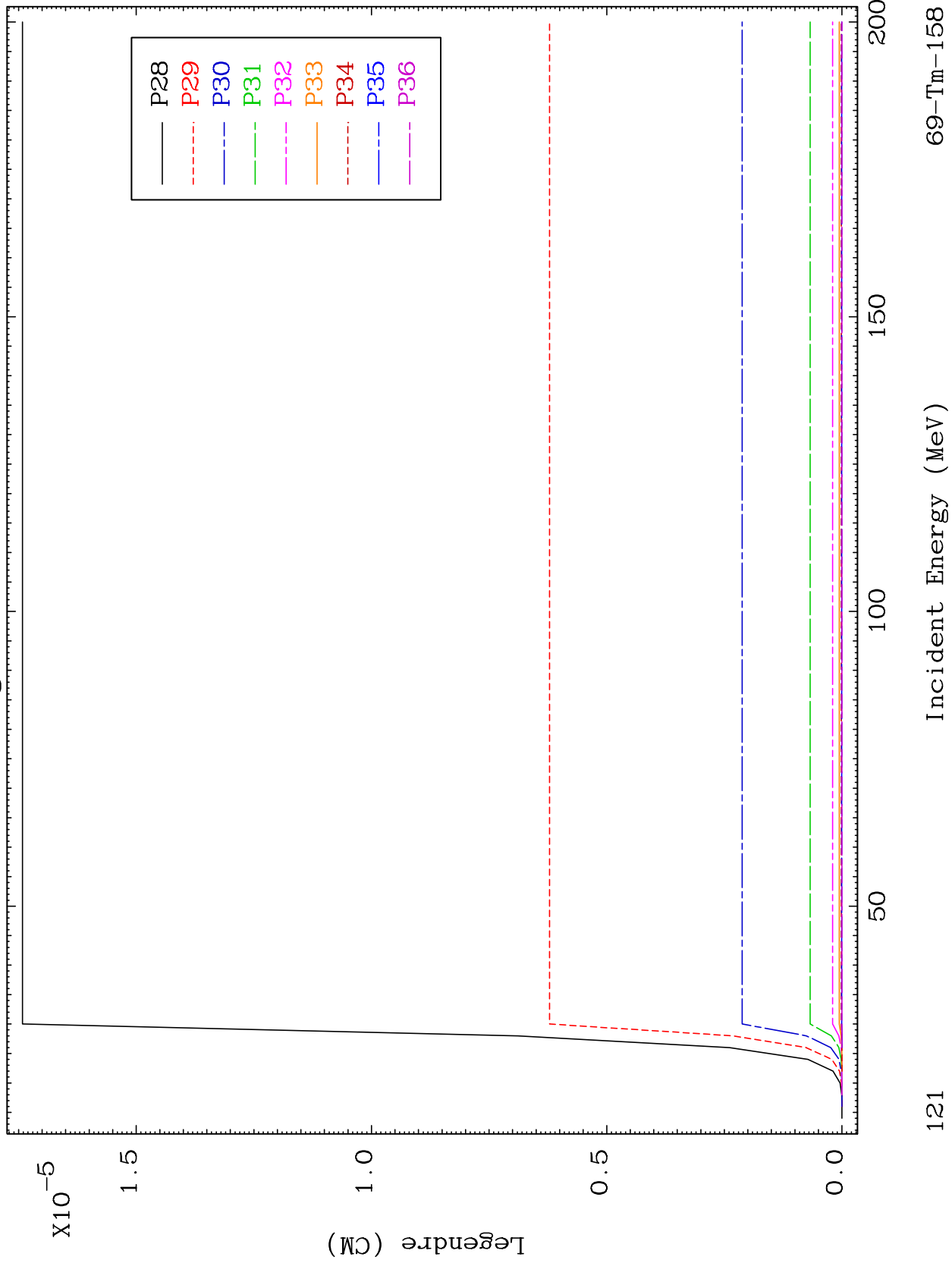
Incident Energy (MeV)

69-Tm-158

MAT 6892

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

69-Tm-158



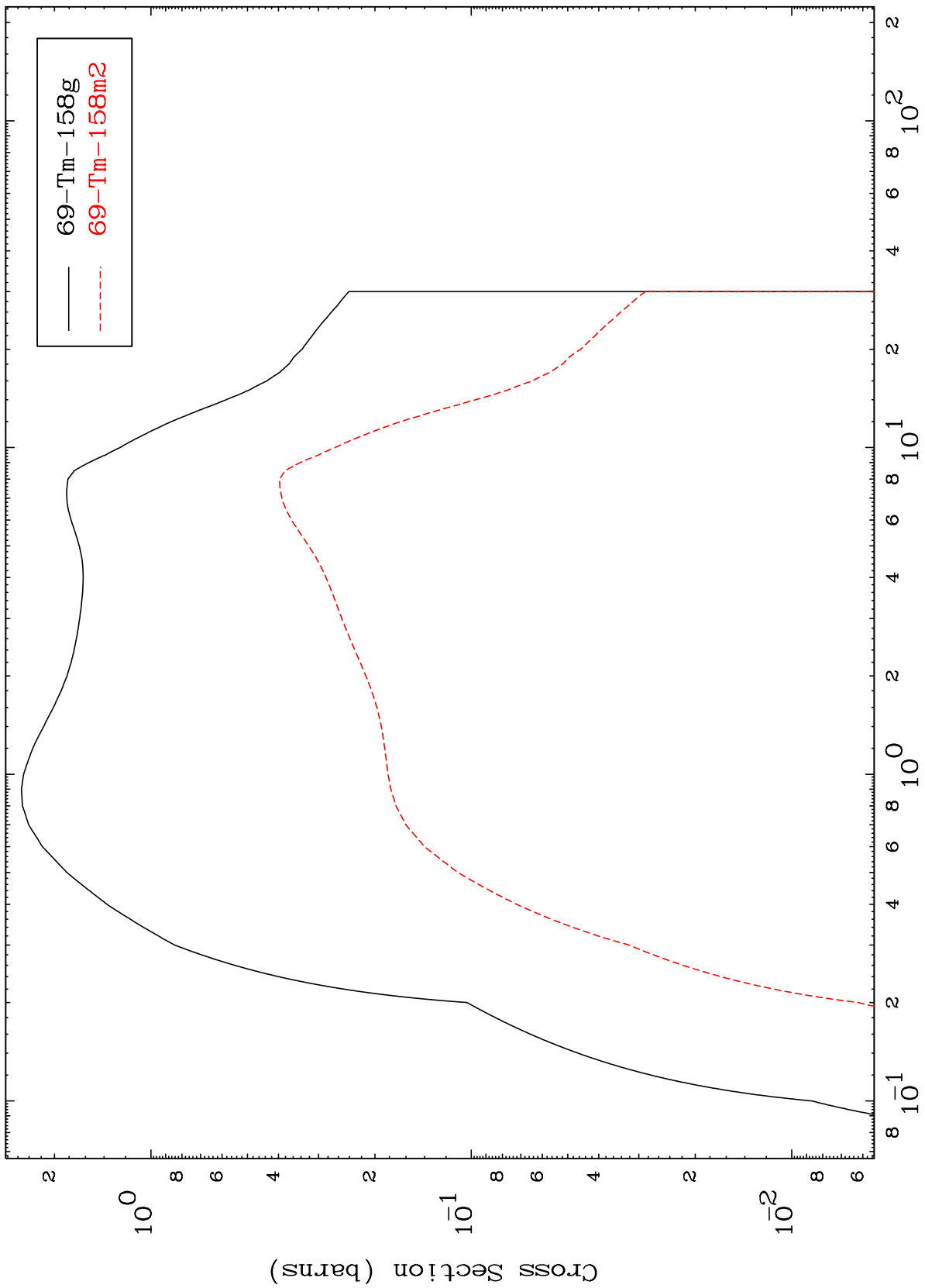
121

69-Tm-158

MAT 6892

69-Tm-158

### Inelastic Radionuclide Production Cross Section



122

69-Tm-158

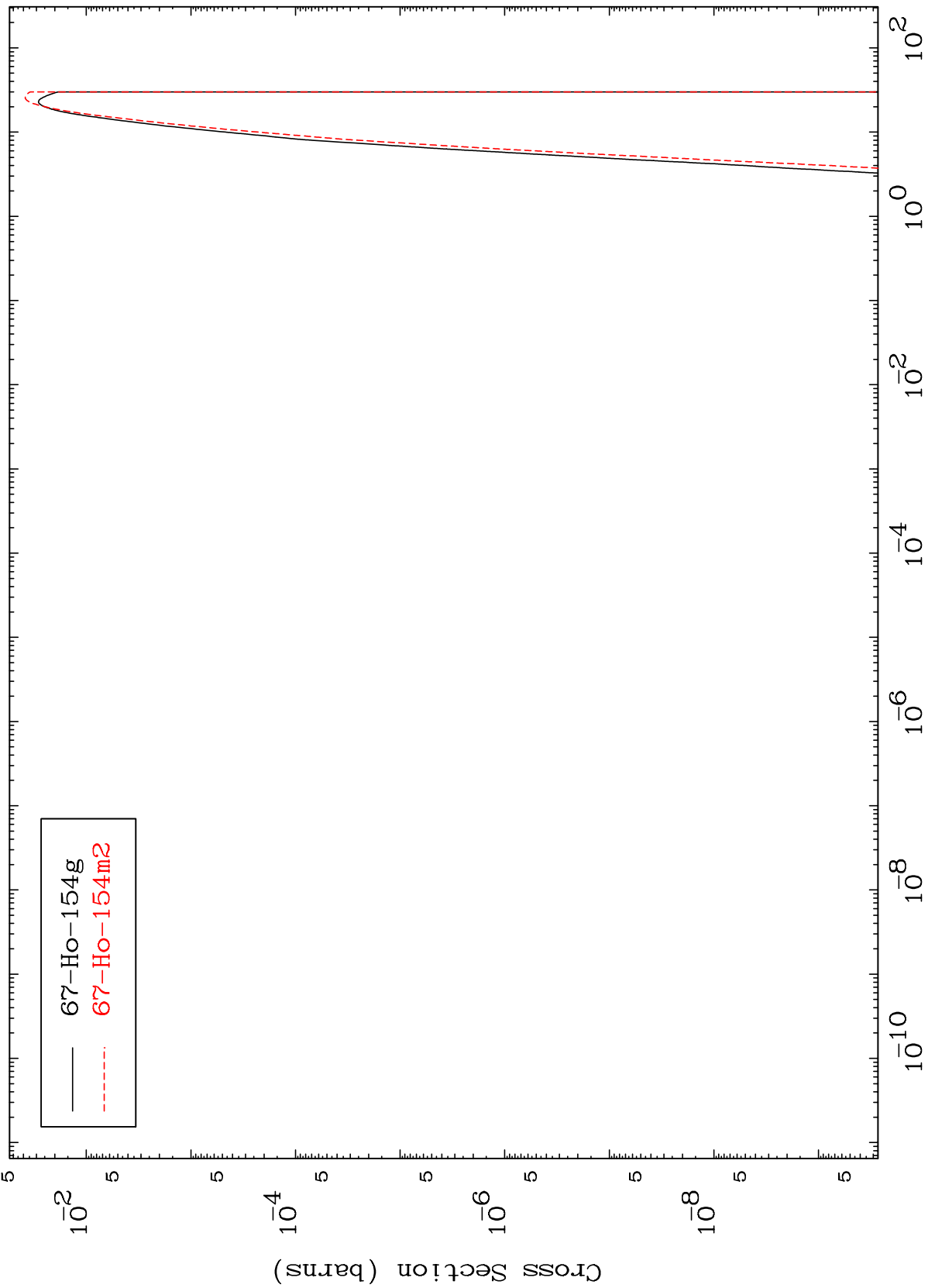
Incident Energy (MeV)

MAT 6892

$(n, n') \alpha$

69-Tm-158

Radionuclide Production Cross Section



123

Incident Energy (MeV)

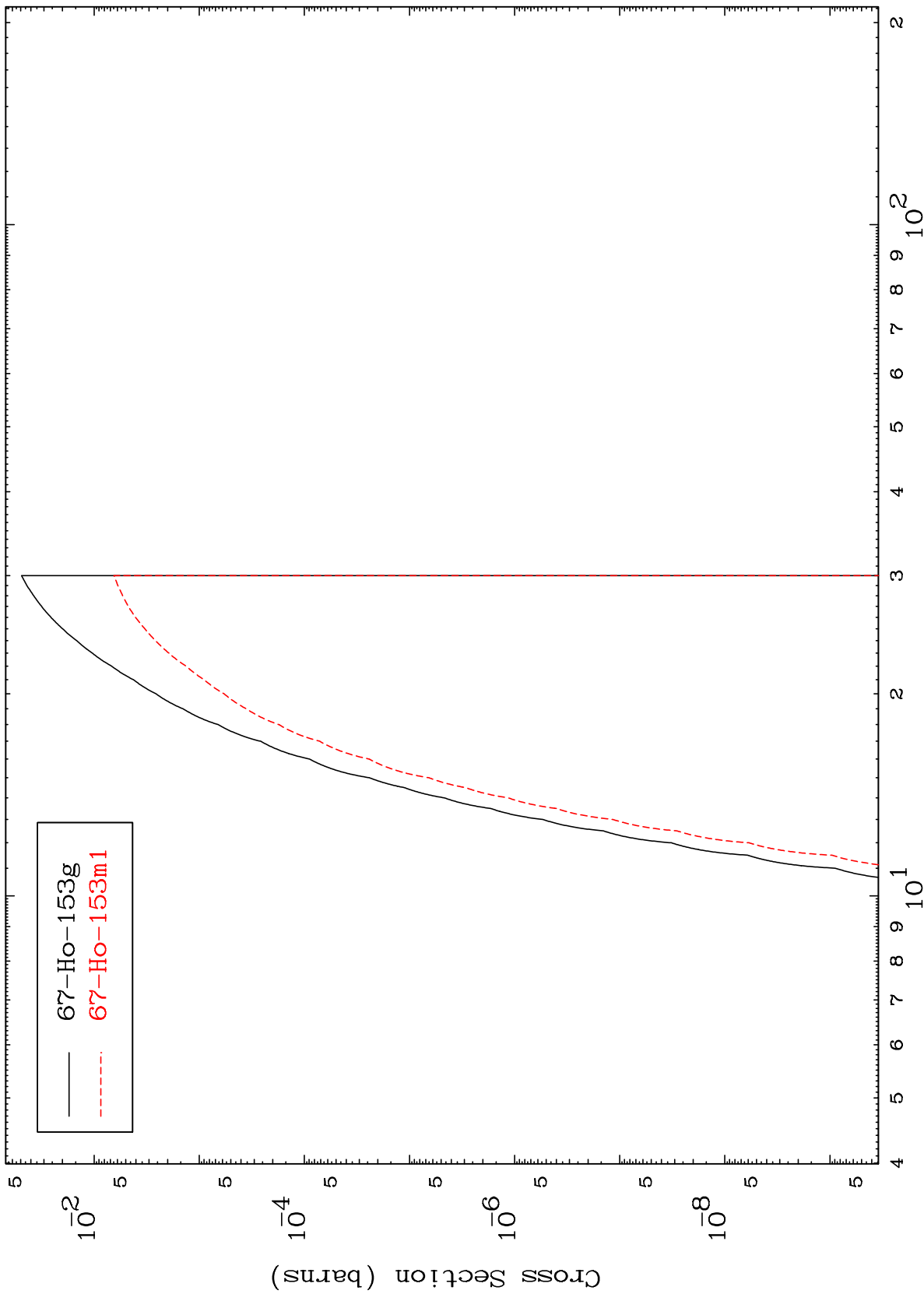
69-Tm-158

MAT 6892

$(n,2n) \alpha$

69-Tm-158

Radionuclide Production Cross Section



124

Incident Energy (MeV)

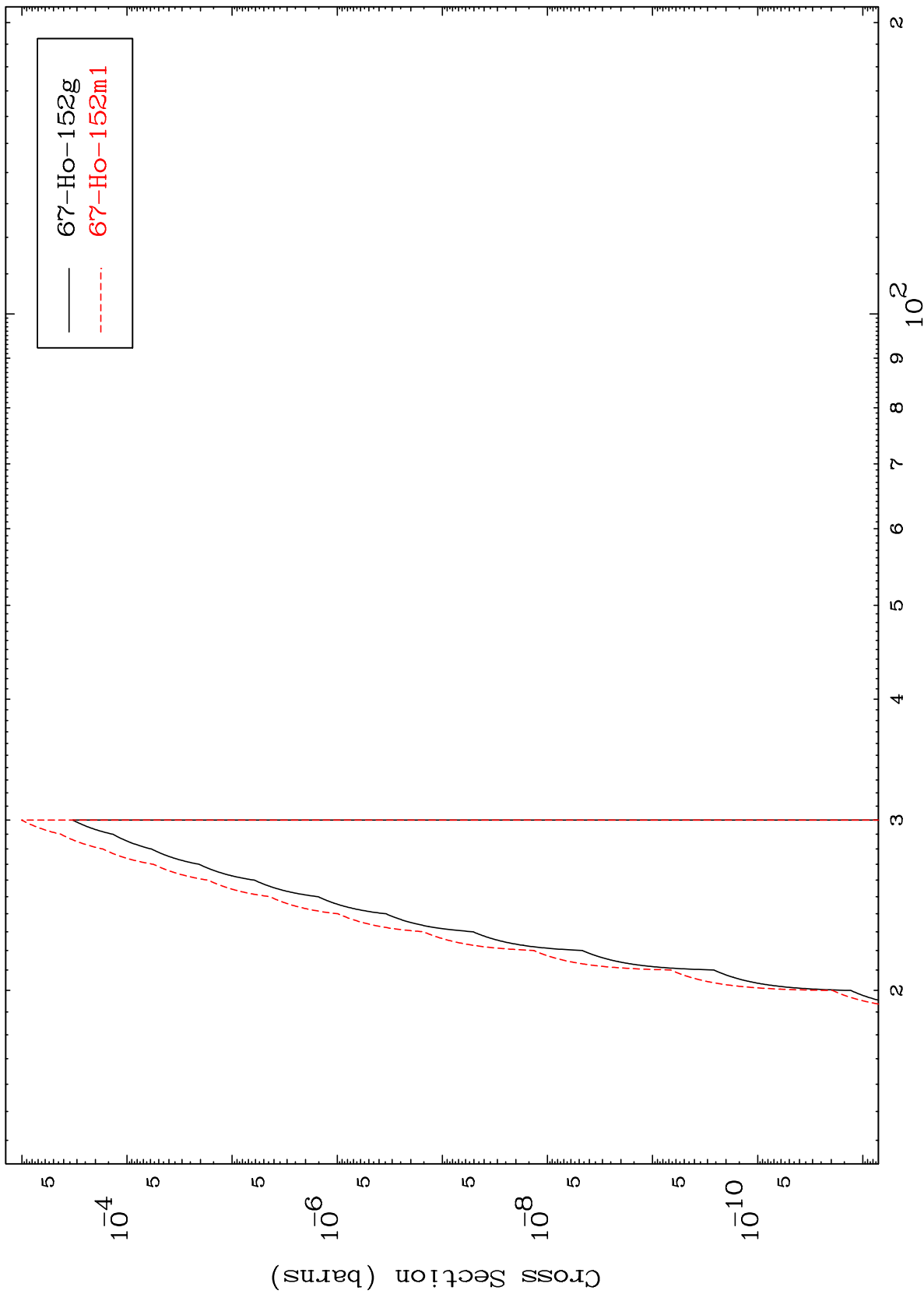
69-Tm-158

MAT 6892

(n,3n)  $\alpha$

69-Tm-158

Radionuclide Production Cross Section



125

Incident Energy (MeV)

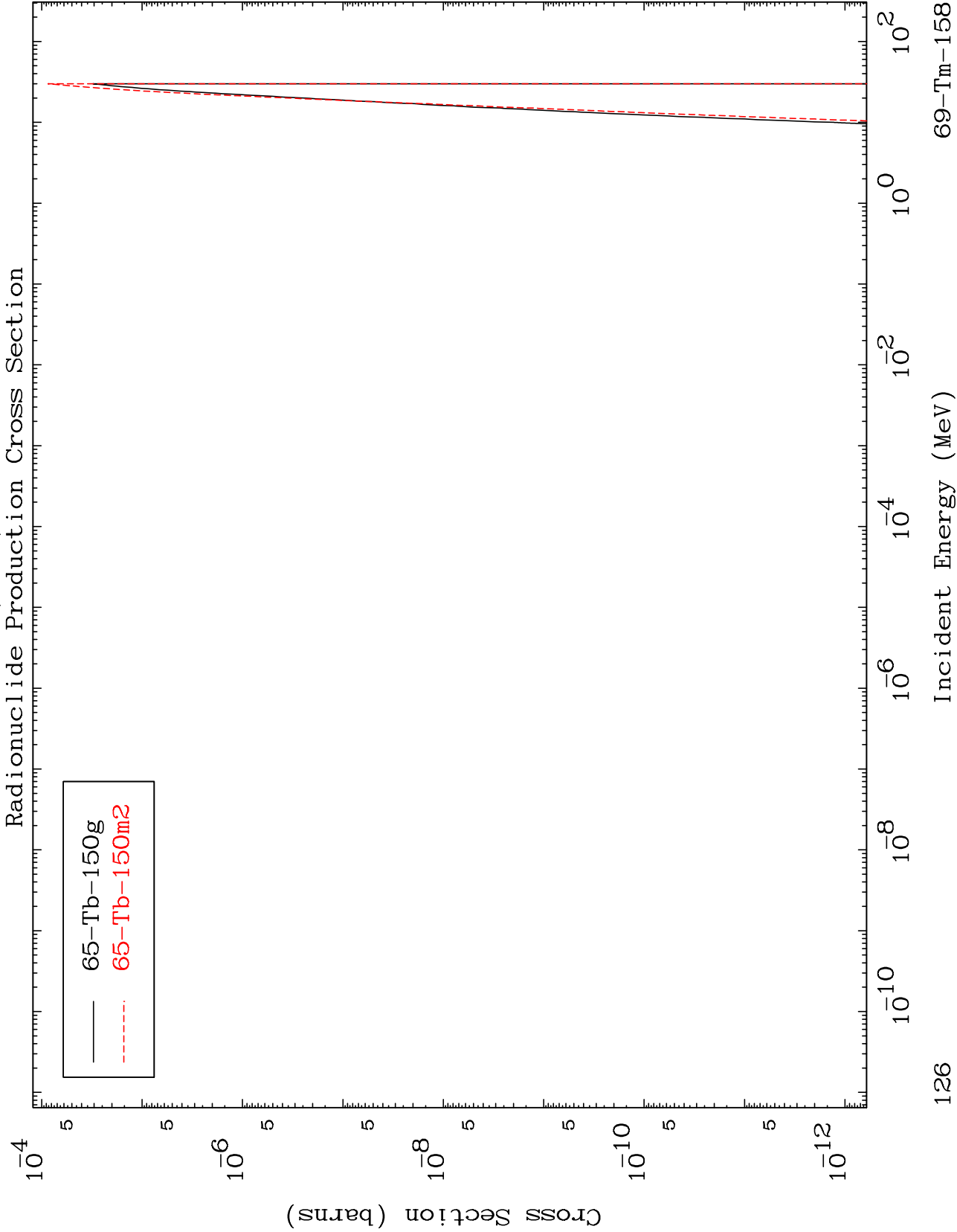
69-Tm-158

MAT 6892

(n,n') 2α

69-Tm-158

Radionuclide Production Cross Section



126

Incident Energy (MeV)

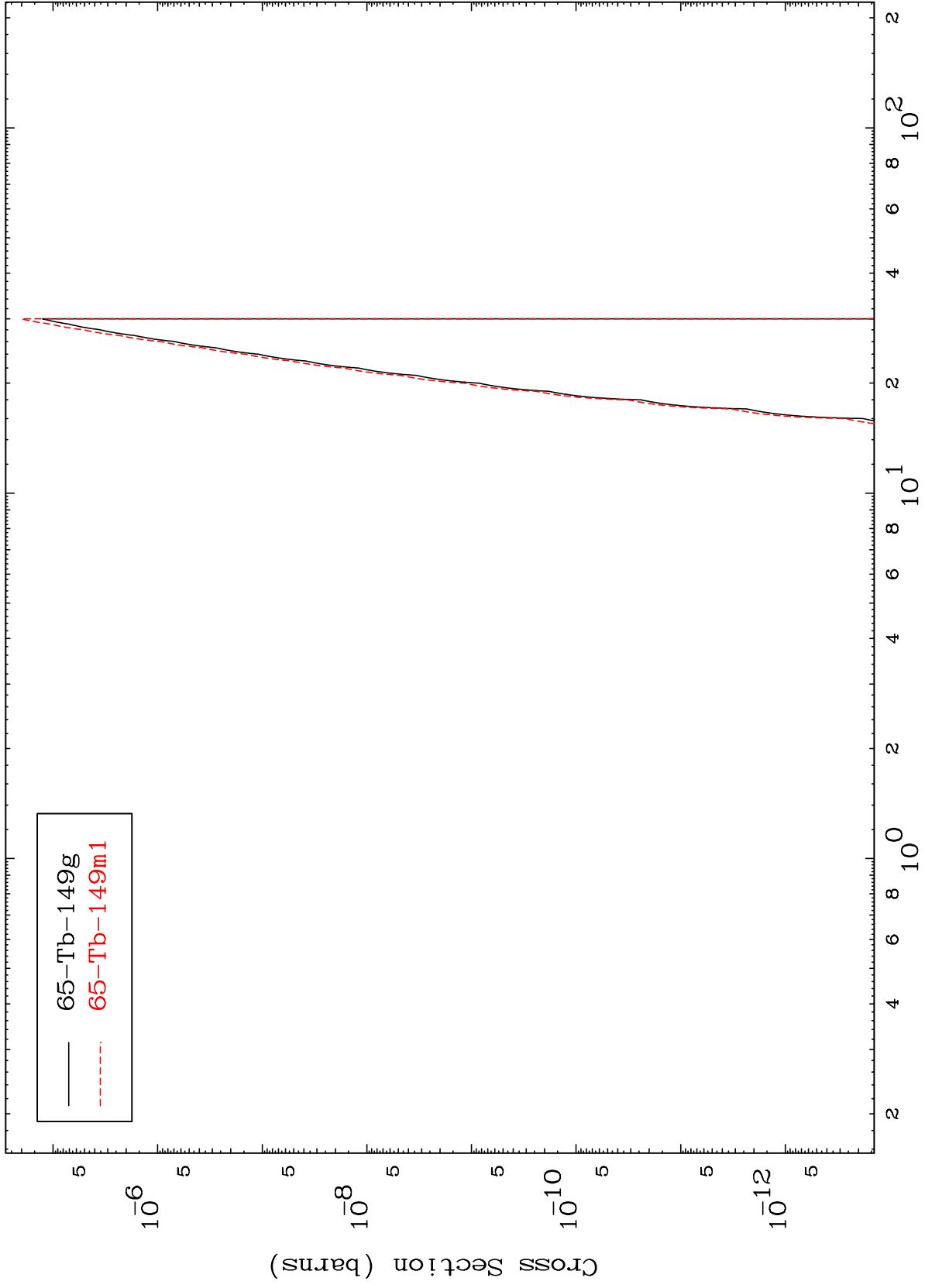
69-Tm-158

MAT 6892

(n,2n) 2α

69-Tm-158

Radionuclide Production Cross Section



127

Incident Energy (MeV)

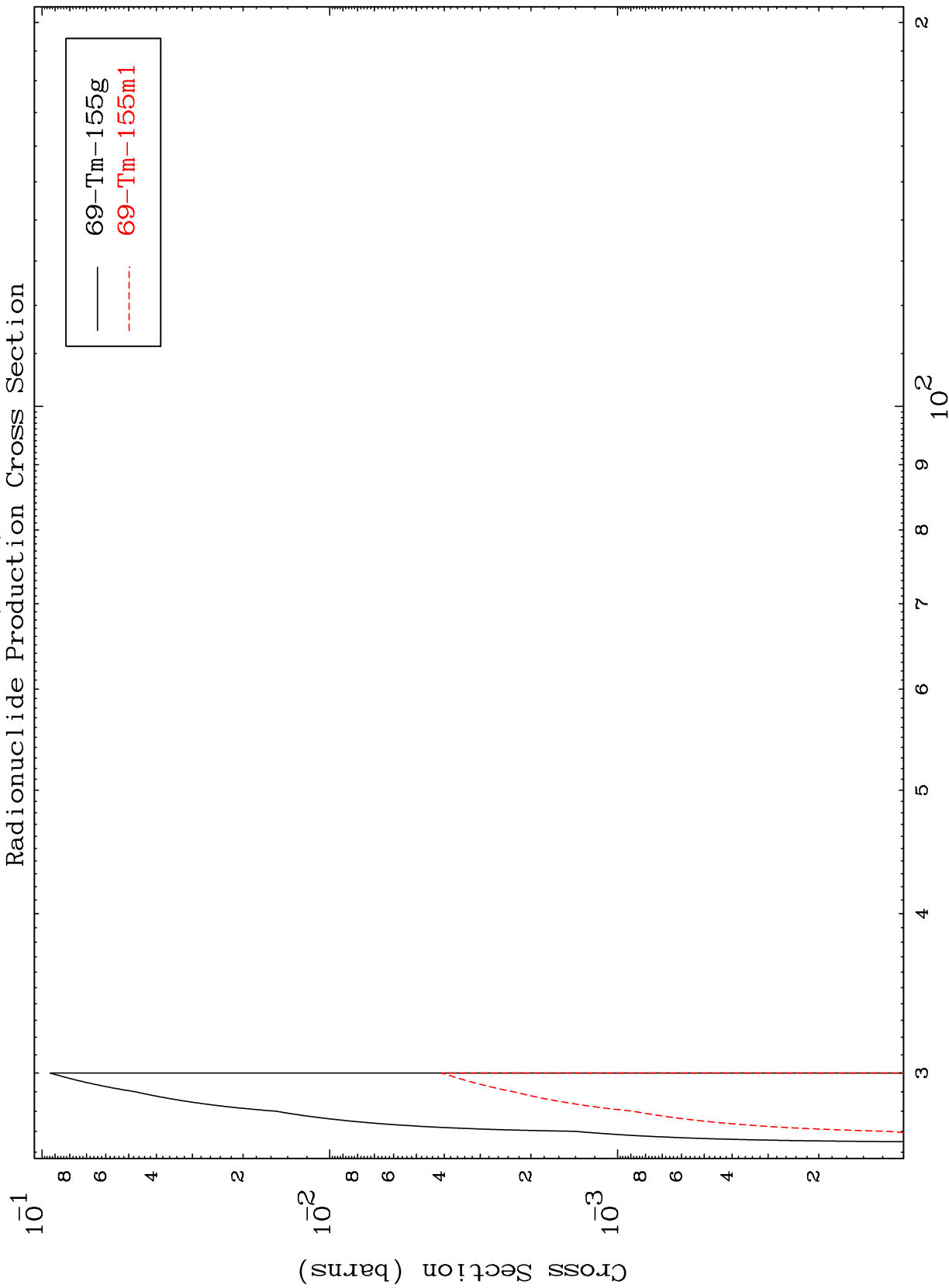
69-Tm-158



MAT 6892

69-Tm-158

(n,4n)  
Radionuclide Production Cross Section



128

69-Tm-158

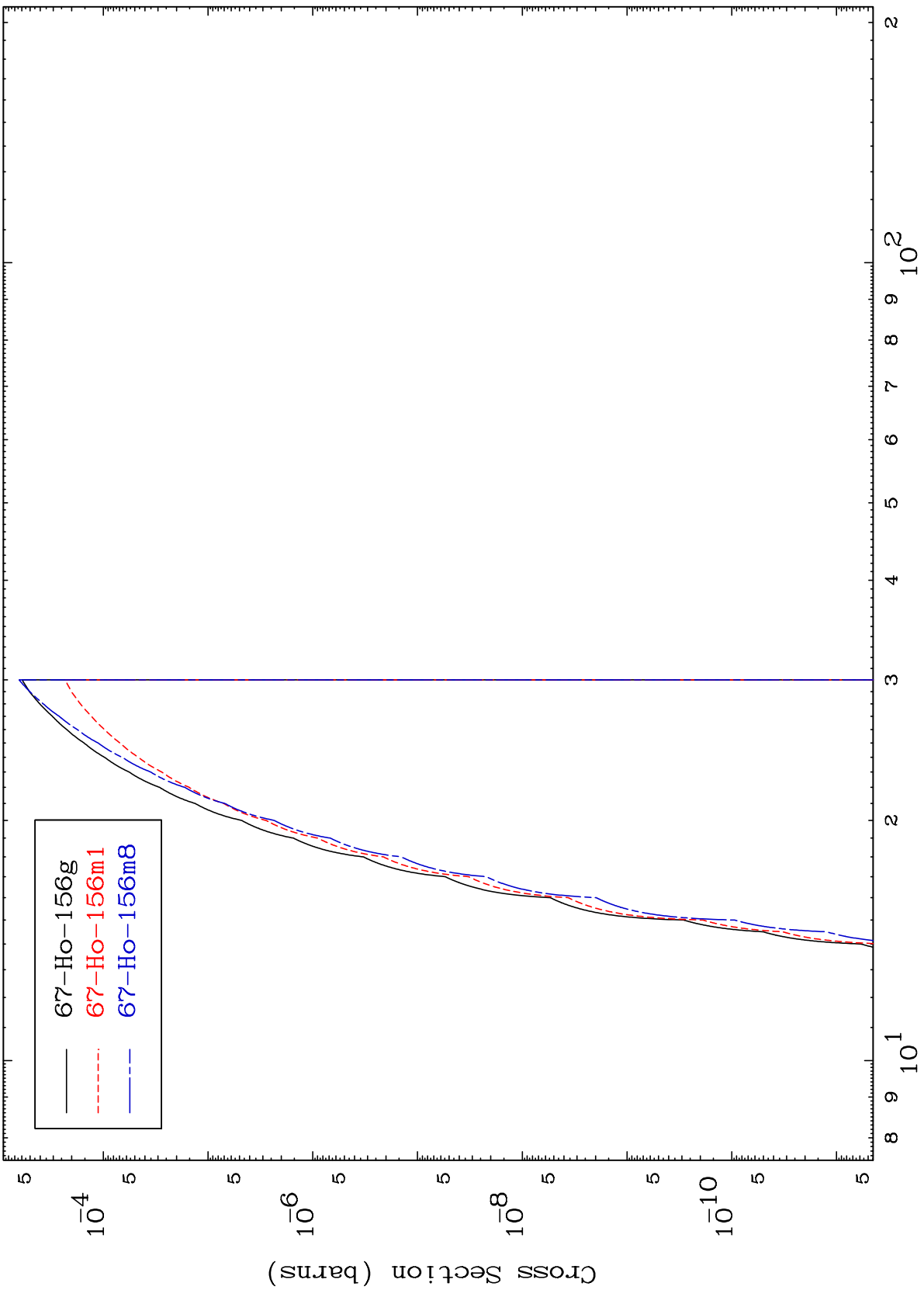
Incident Energy (MeV)

MAT 6892

(n,2n) p

69-Tm-158

Radionuclide Production Cross Section



129

Incident Energy (MeV)

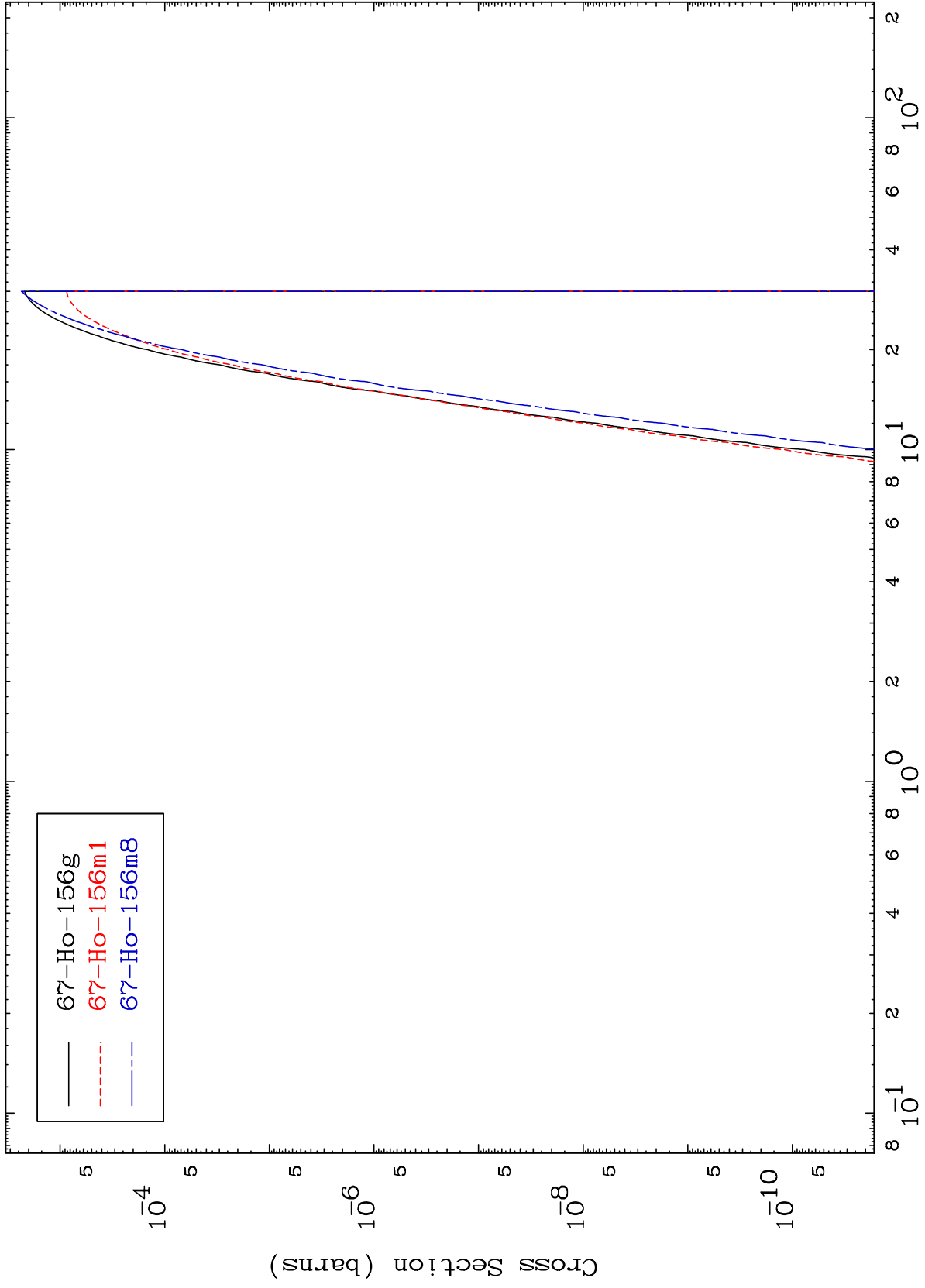
69-Tm-158

MAT 6892

(n,He-3)

69-Tm-158

Radionuclide Production Cross Section



130

Incident Energy (MeV)

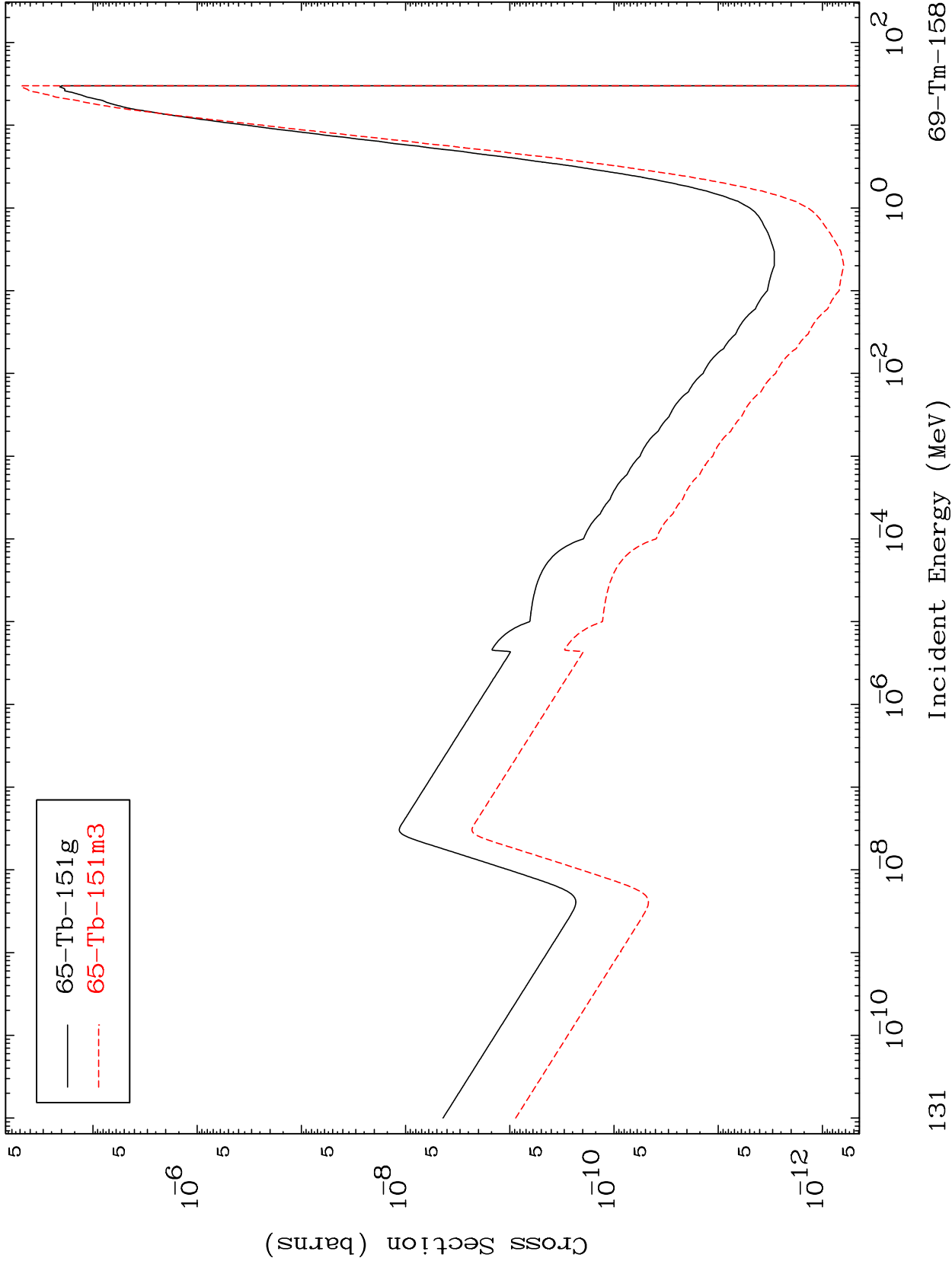
69-Tm-158

MAT 6892

(n,2α)

69-Tm-158

Radionuclide Production Cross Section



Radionuclide Production Cross Section

