

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

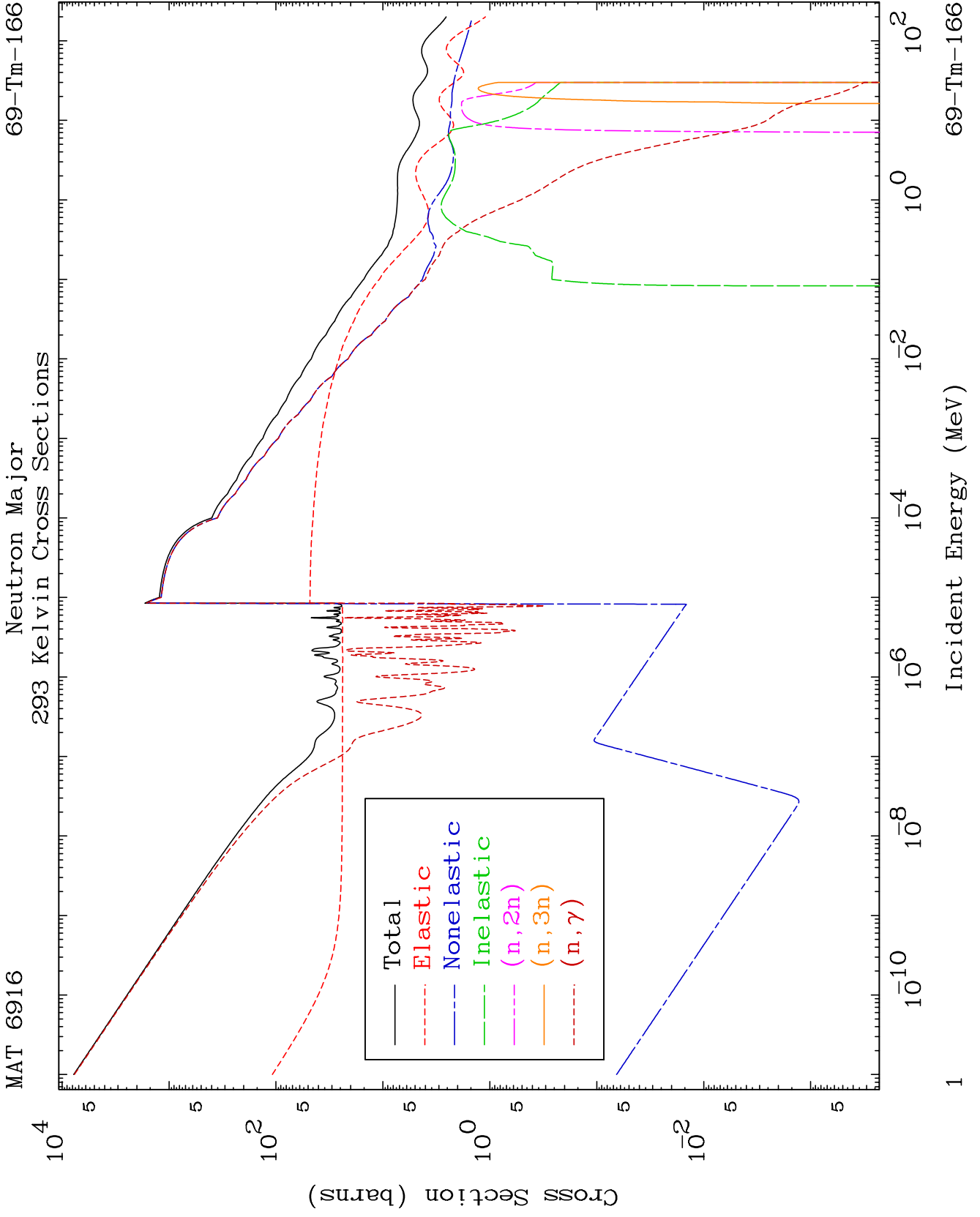
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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

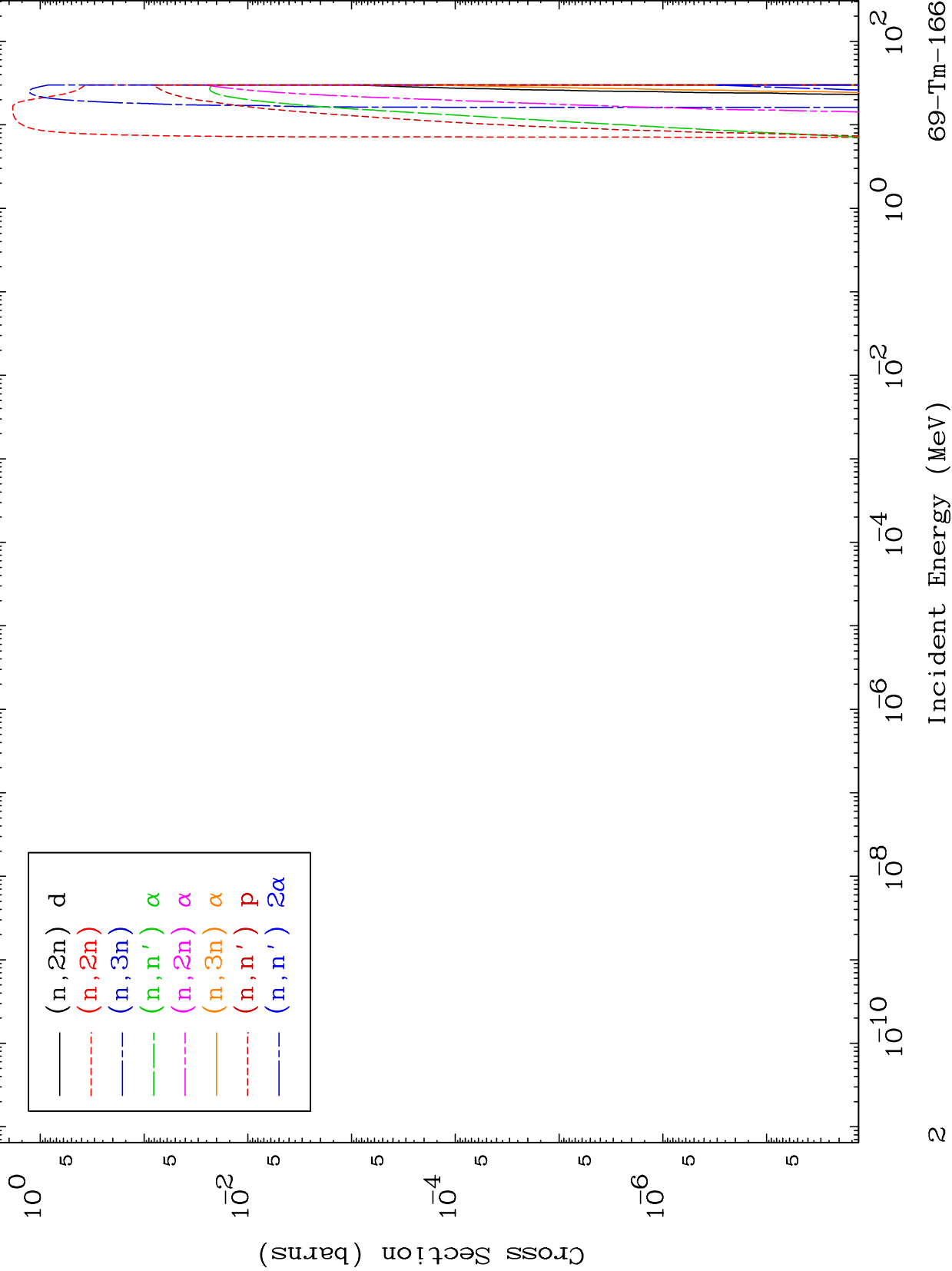
Press Mouse Button to Start



MAT 6916

Neutron Absorption
293 Kelvin Cross Sections

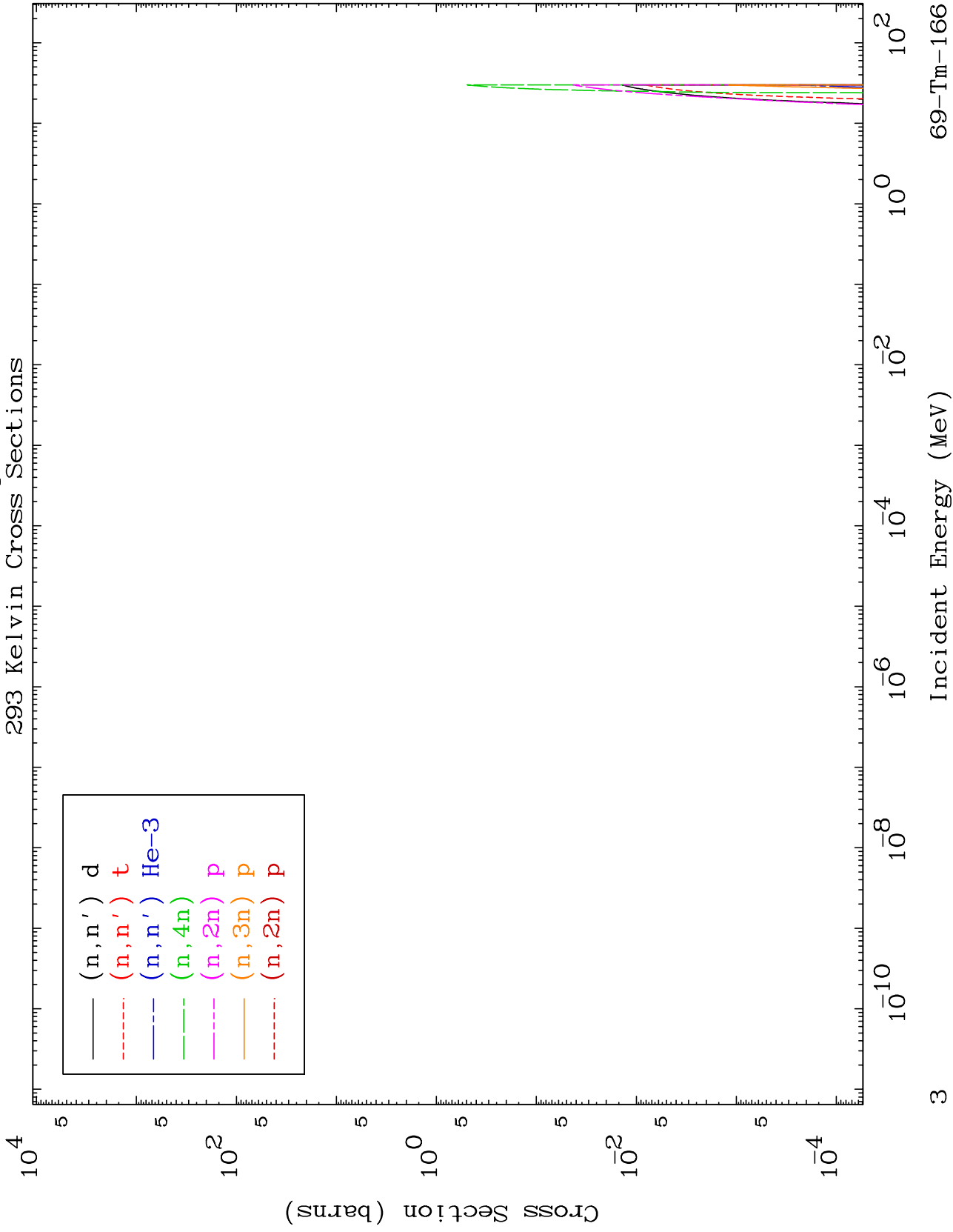
69-Tm-166



MAT 6916

Neutron Absorption
293 Kelvin Cross Sections

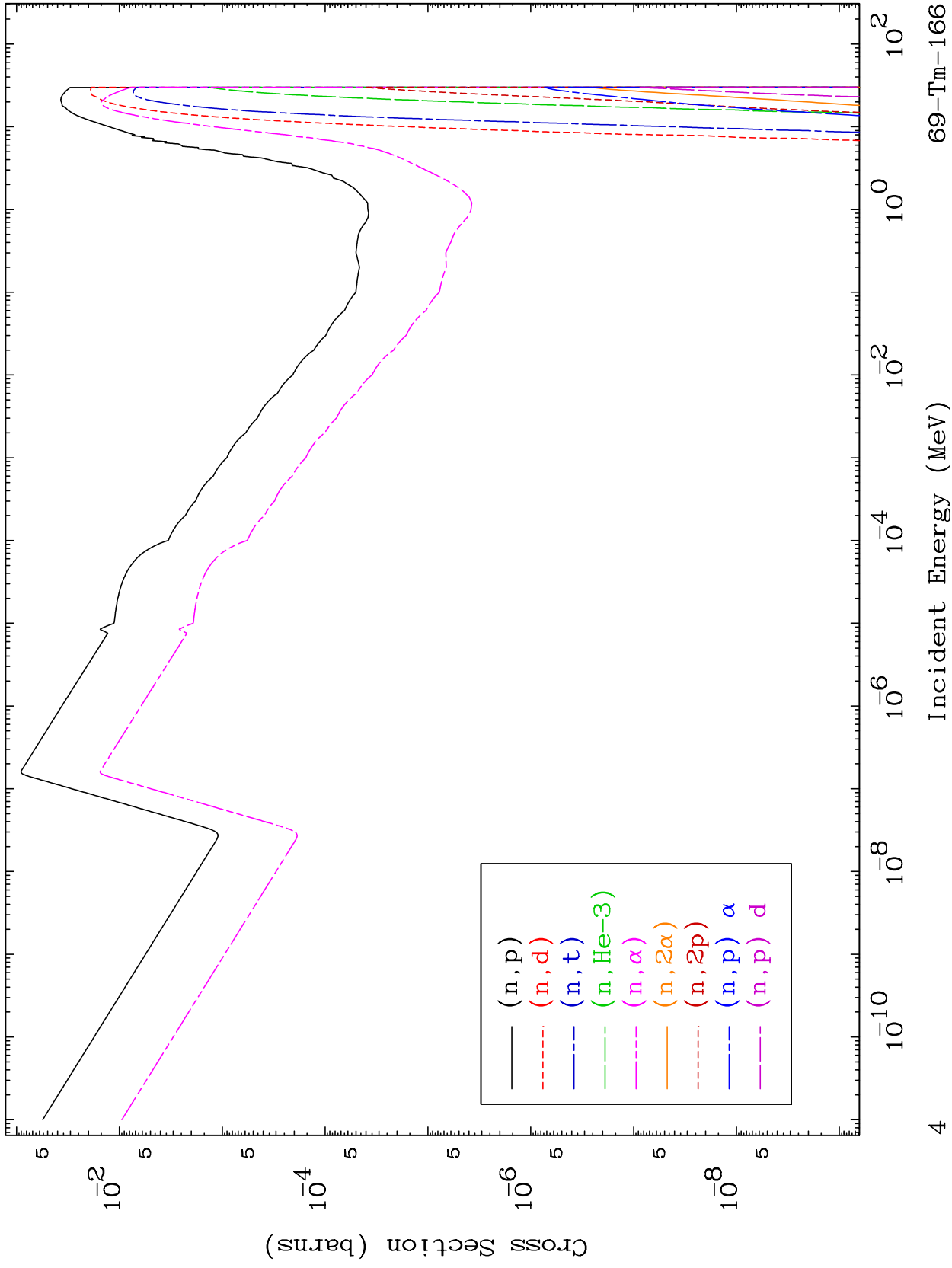
69-Tm-166

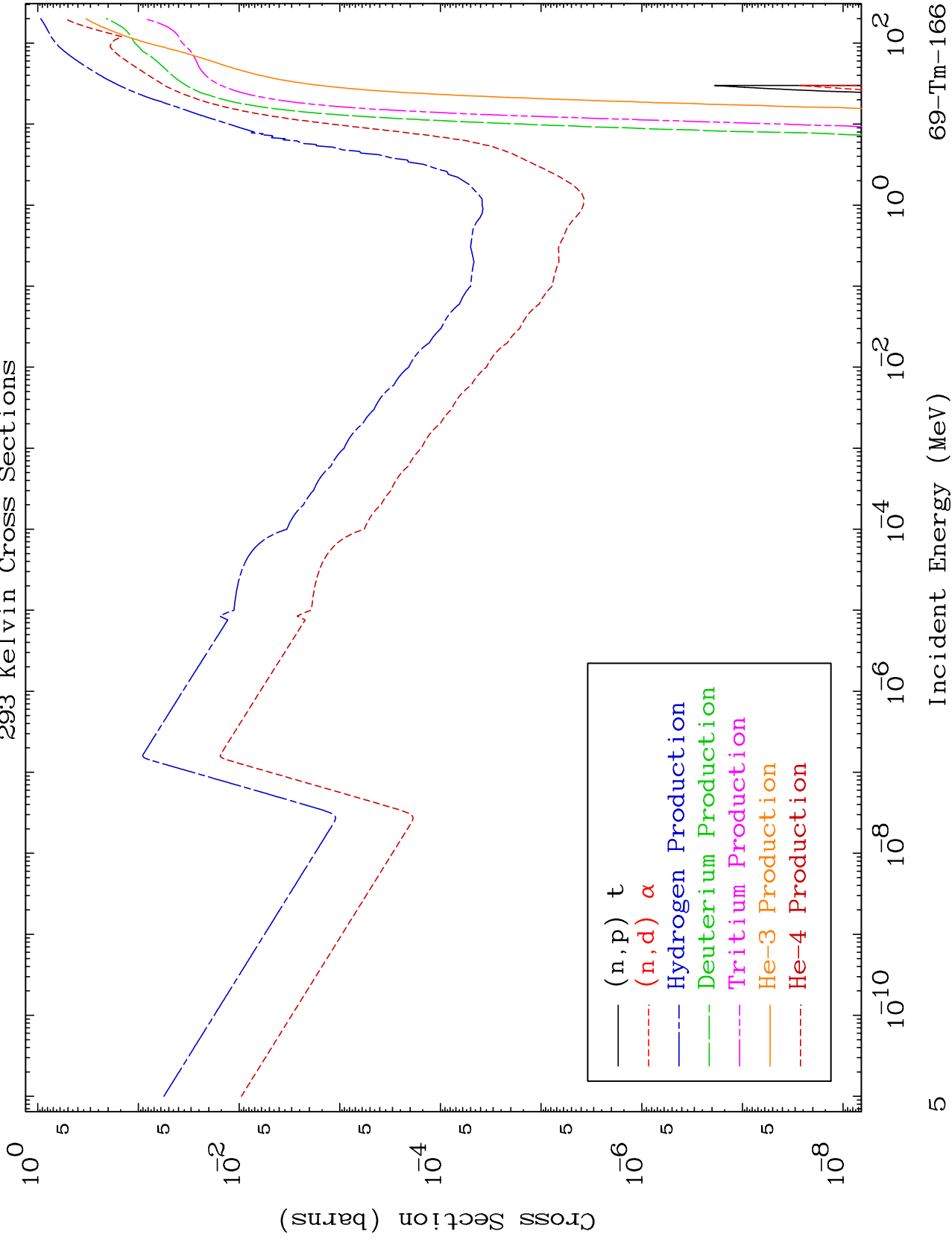


MAT 6916

Neutron Absorption
293 Kelvin Cross Sections

69-Tm-166

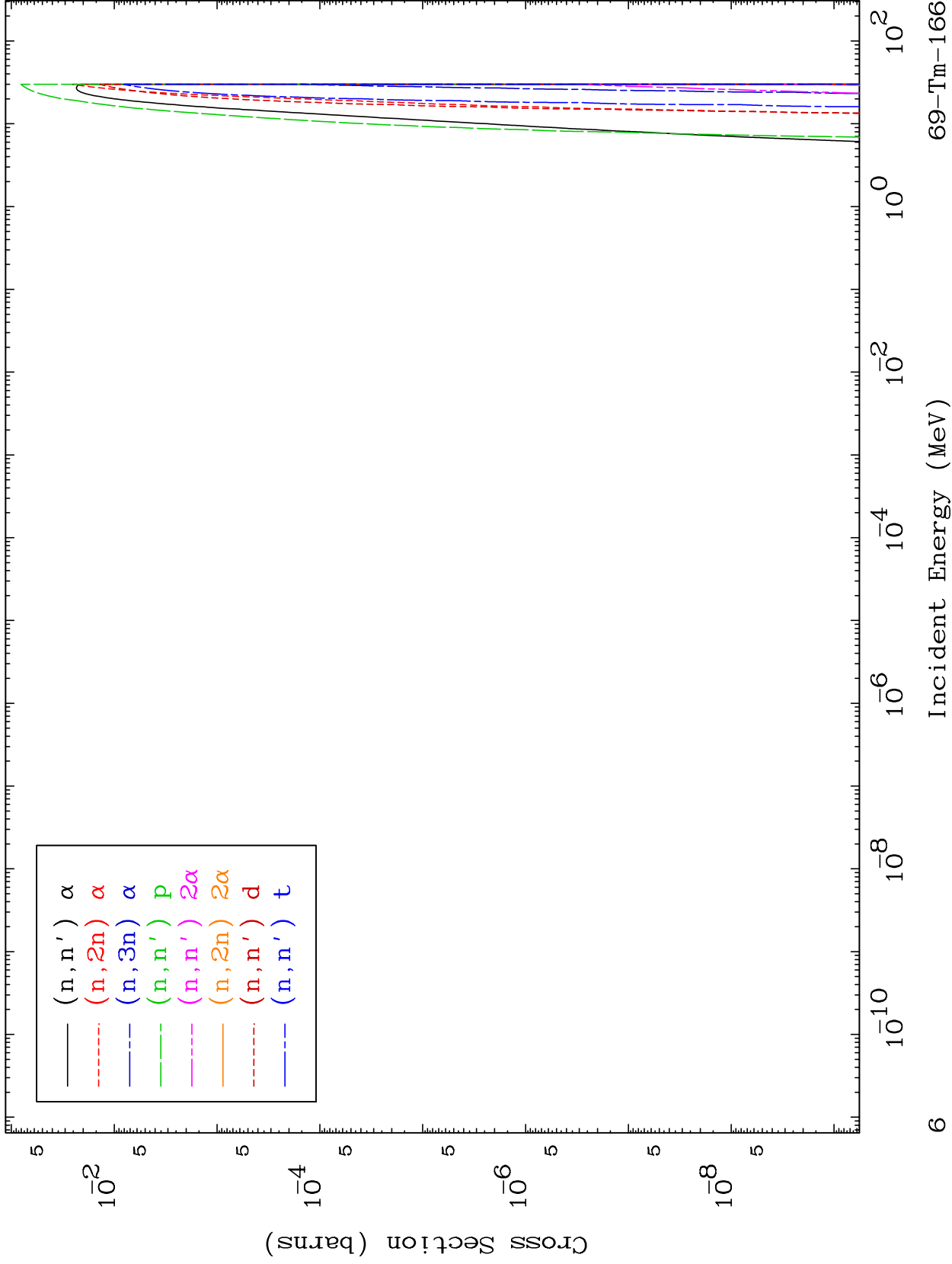




MAT 6916

Charged Particle
293 Kelvin Cross Sections

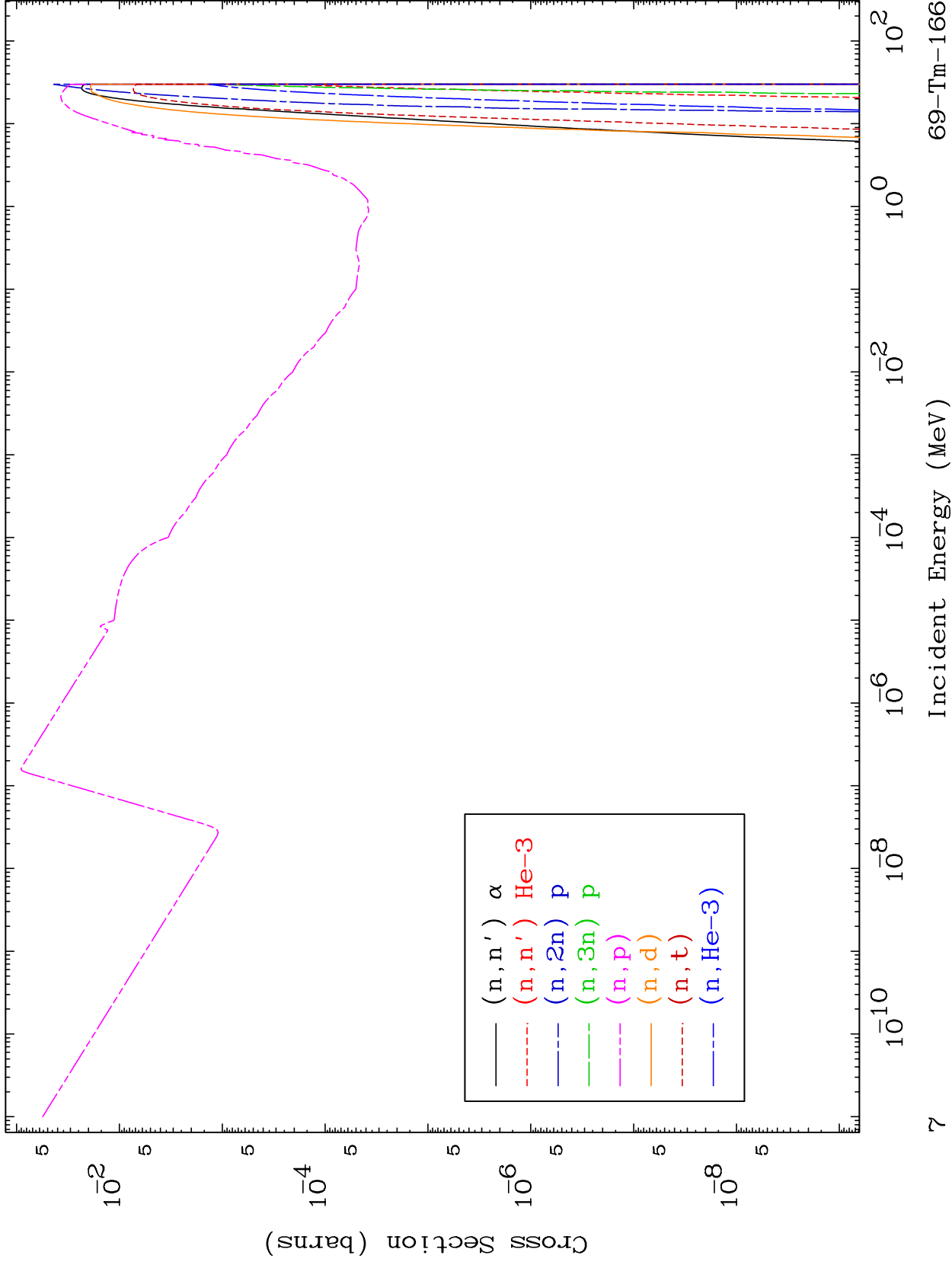
69-Tm-166



MAT 6916

Charged Particle
293 Kelvin Cross Sections

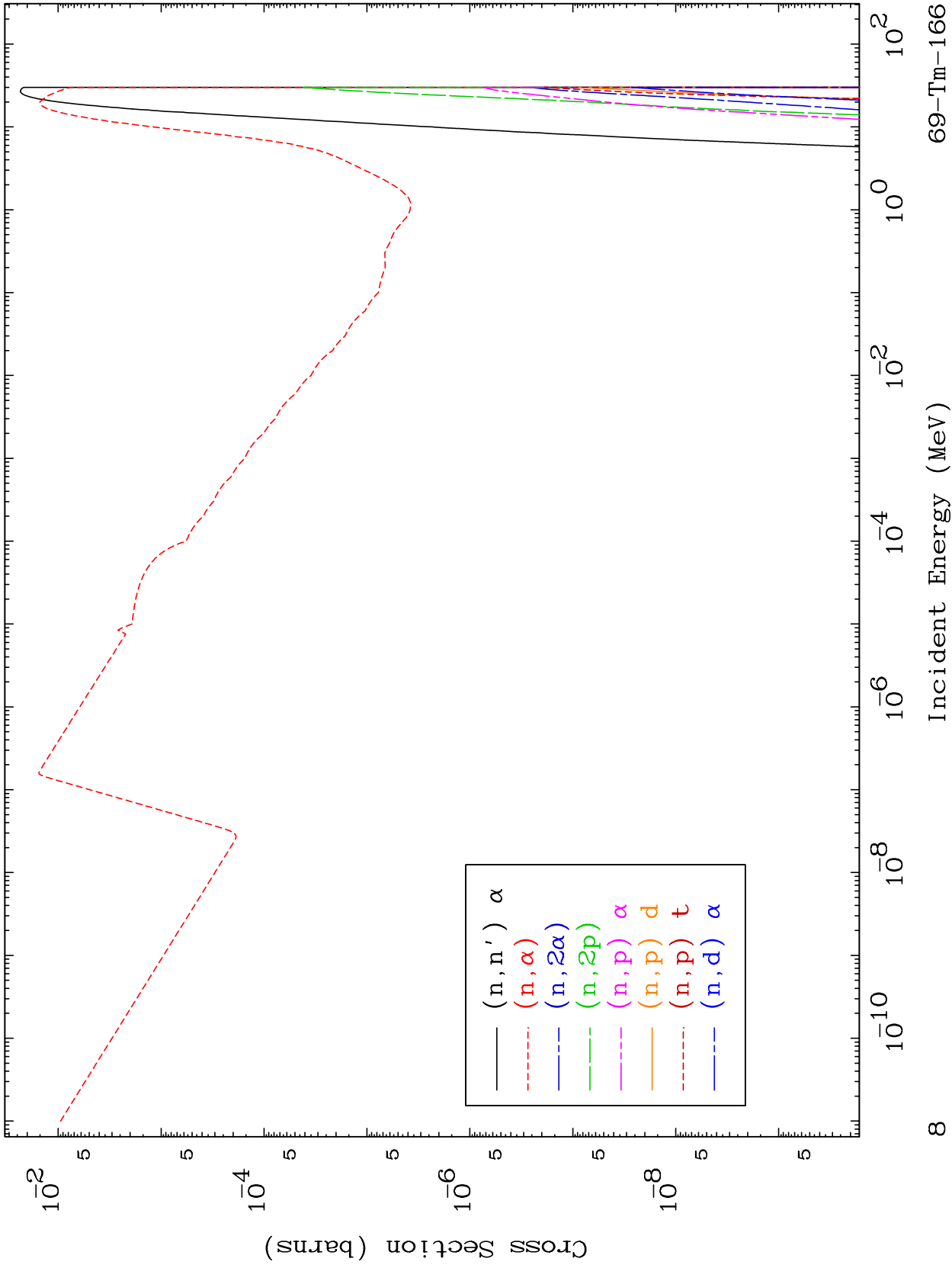
69-Tm-166



MAT 6916

Charged Particle
293 Kelvin Cross Sections

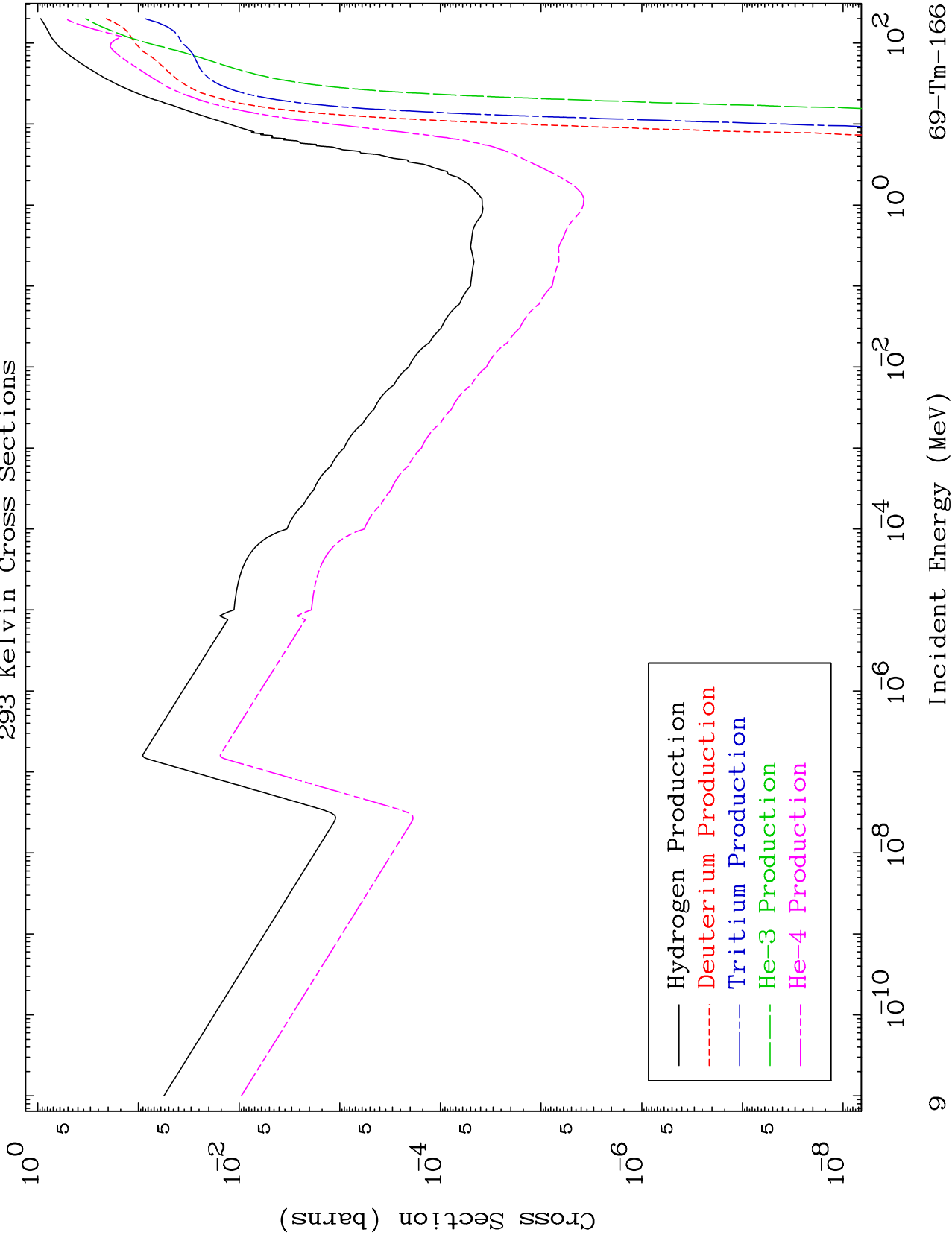
69-Tm-166

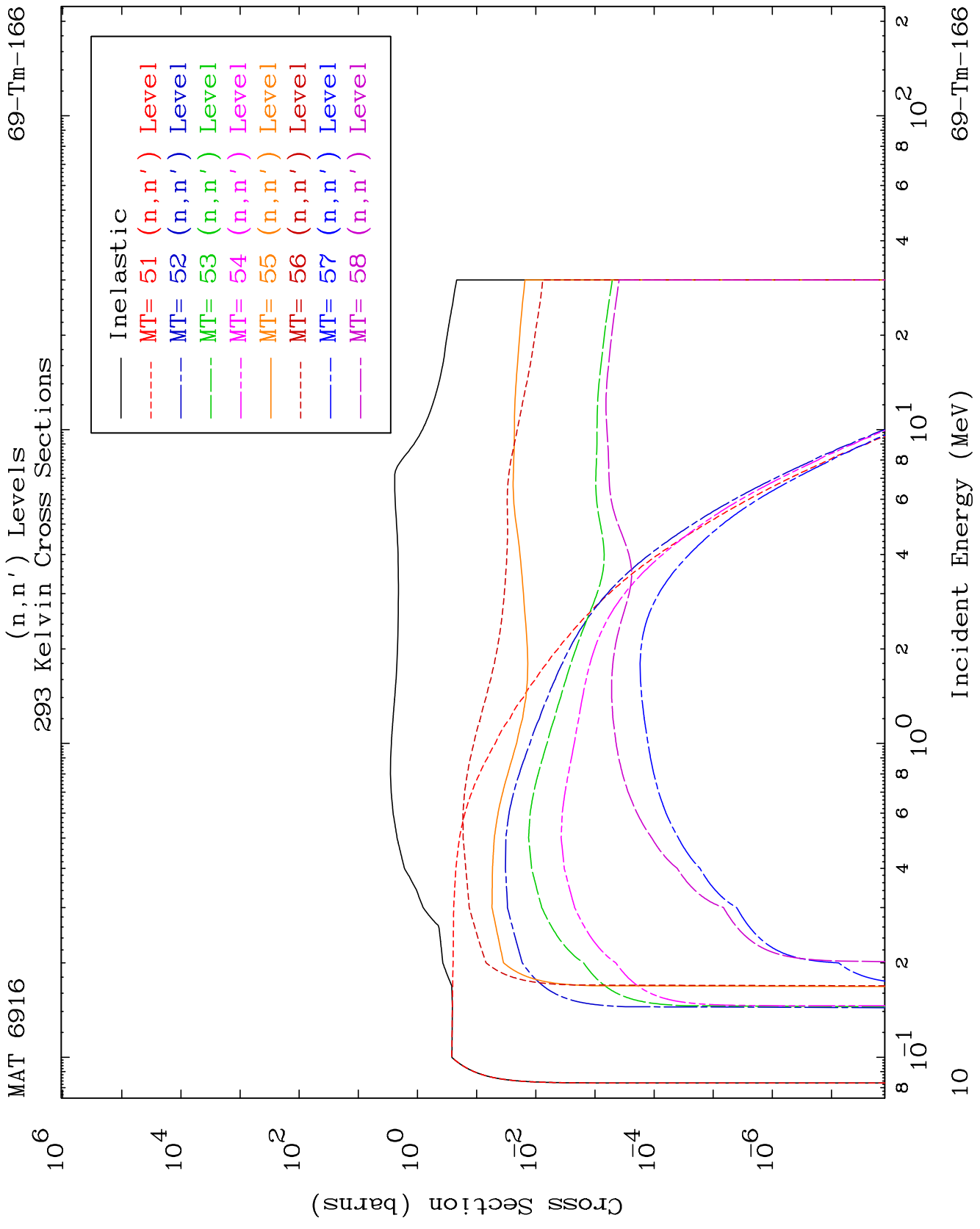


MAT 6916

Particle Production
293 Kelvin Cross Sections

69-Tm-166



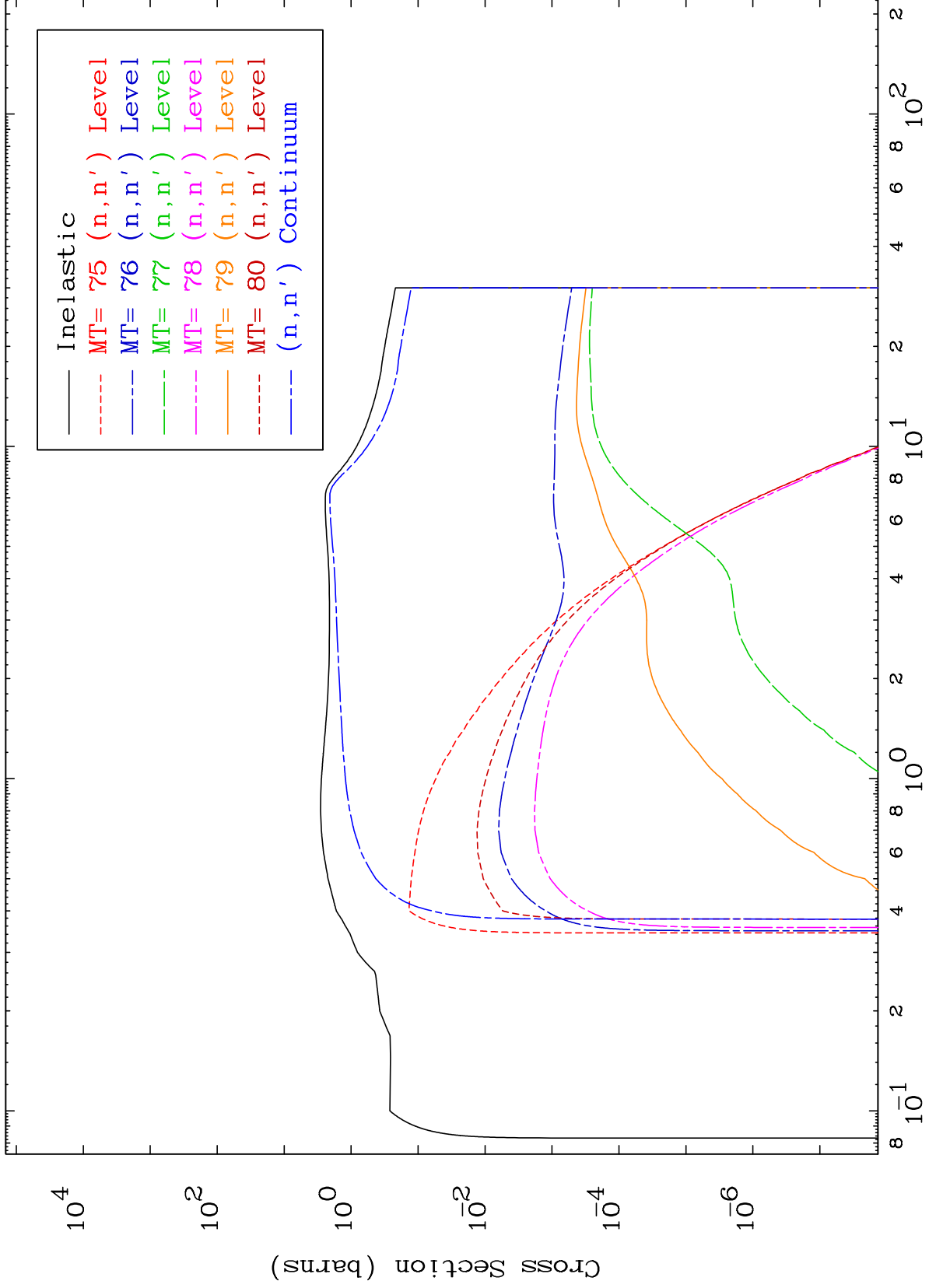


MAT 6916

(n,n') Levels

69-Tm-166

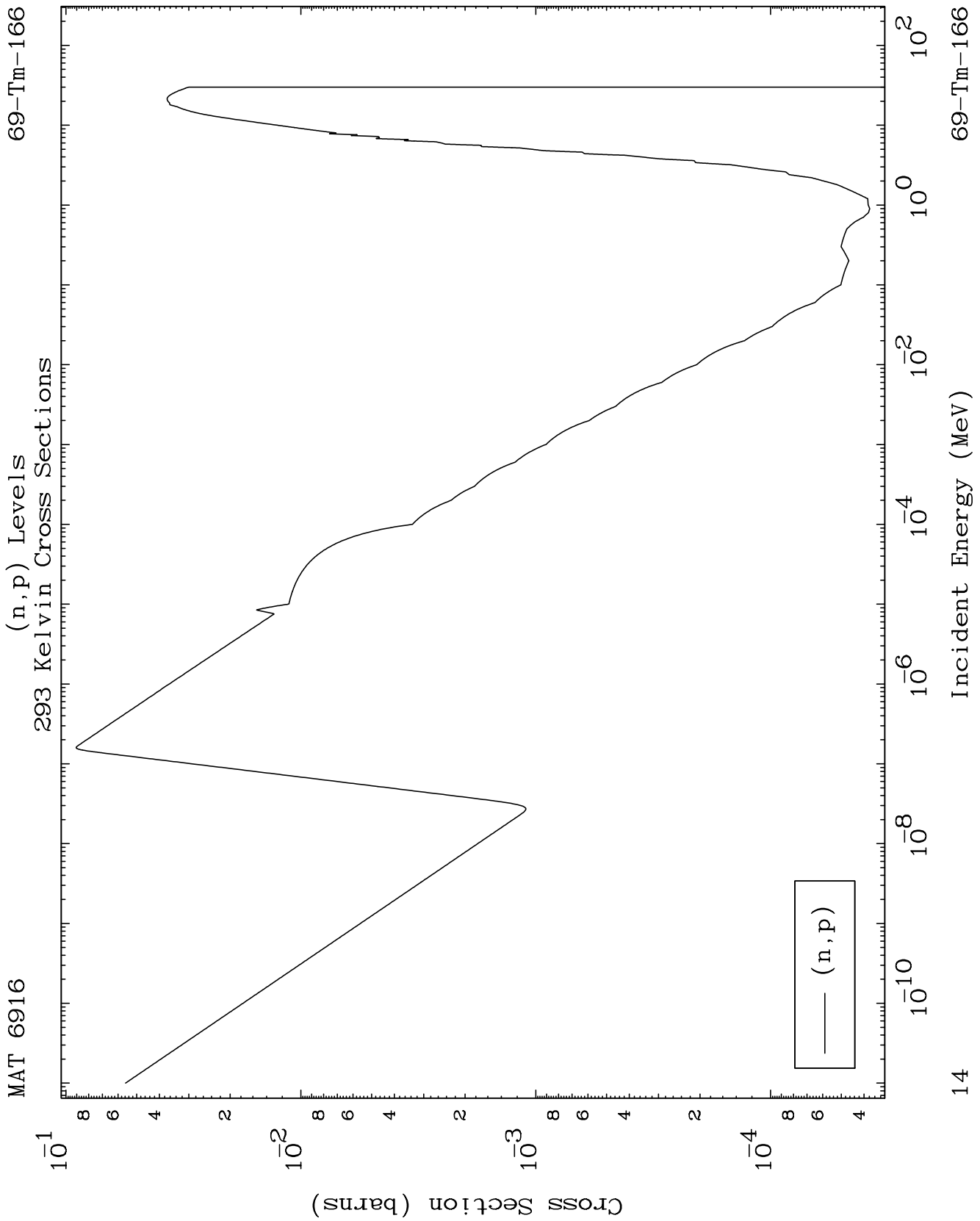
293 Kelvin Cross Sections



13

Incident Energy (MeV)

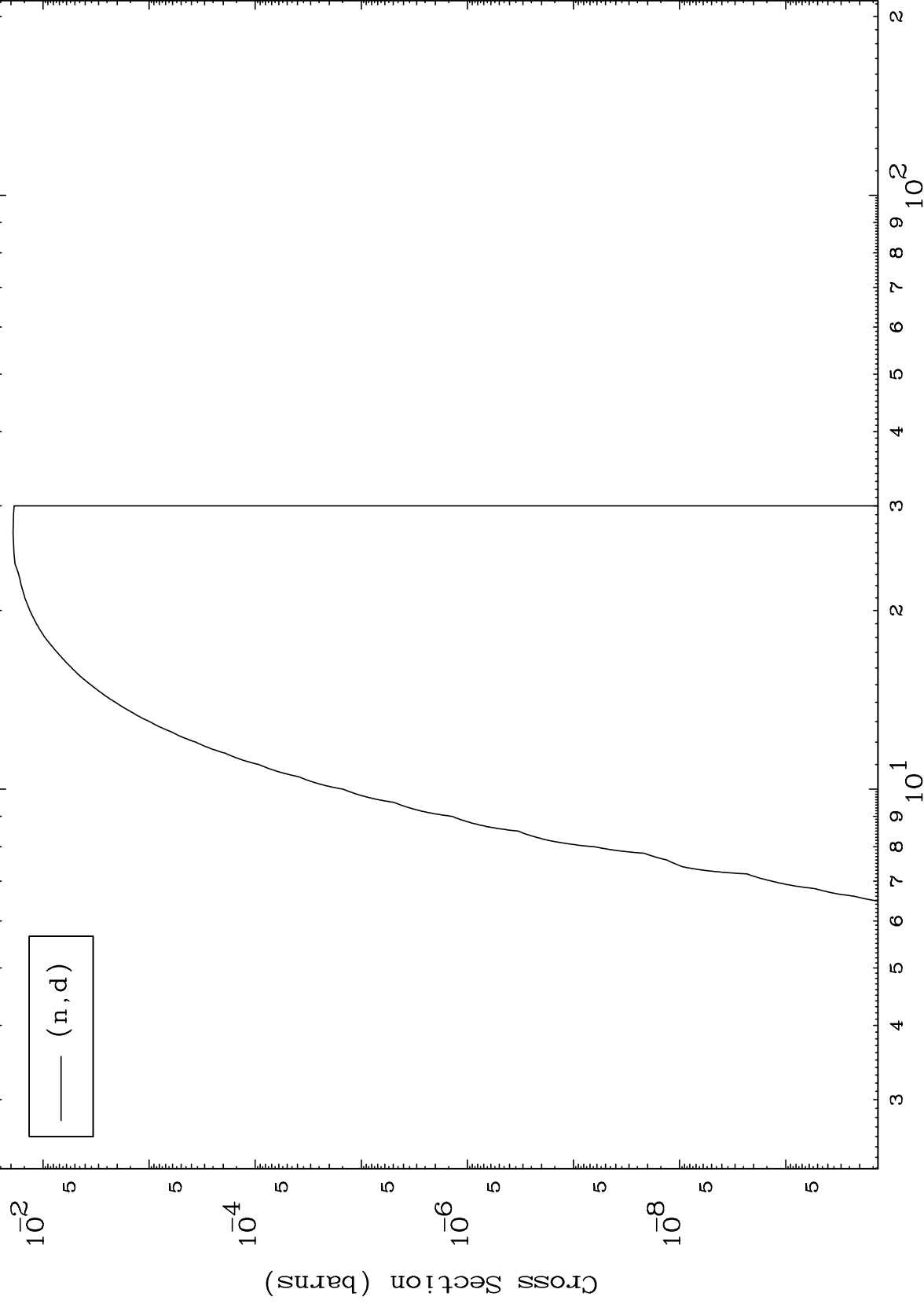
69-Tm-166



MAT 6916

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-166



15

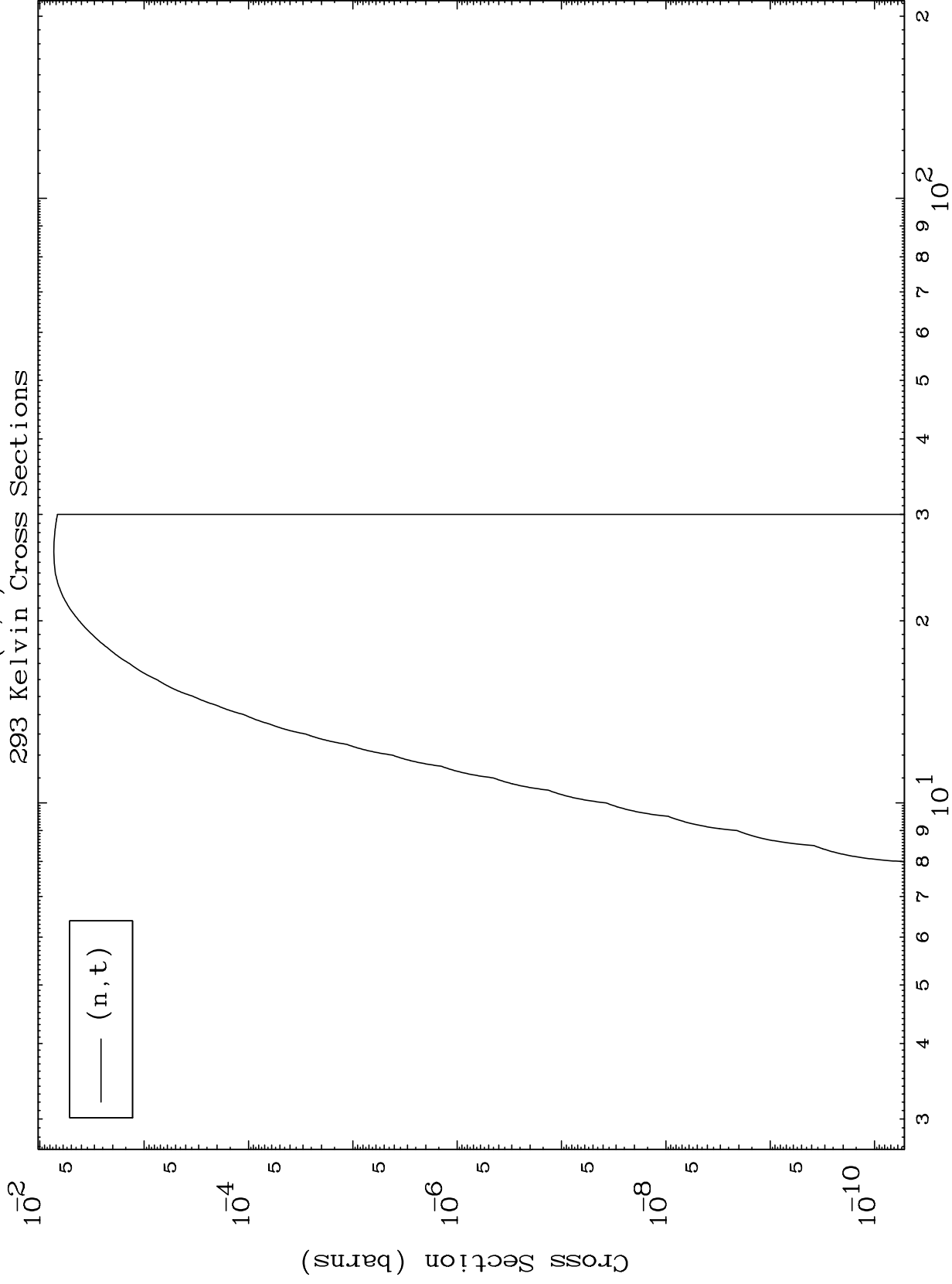
Incident Energy (MeV)

69-Tm-166

MAT 6916

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-166



16

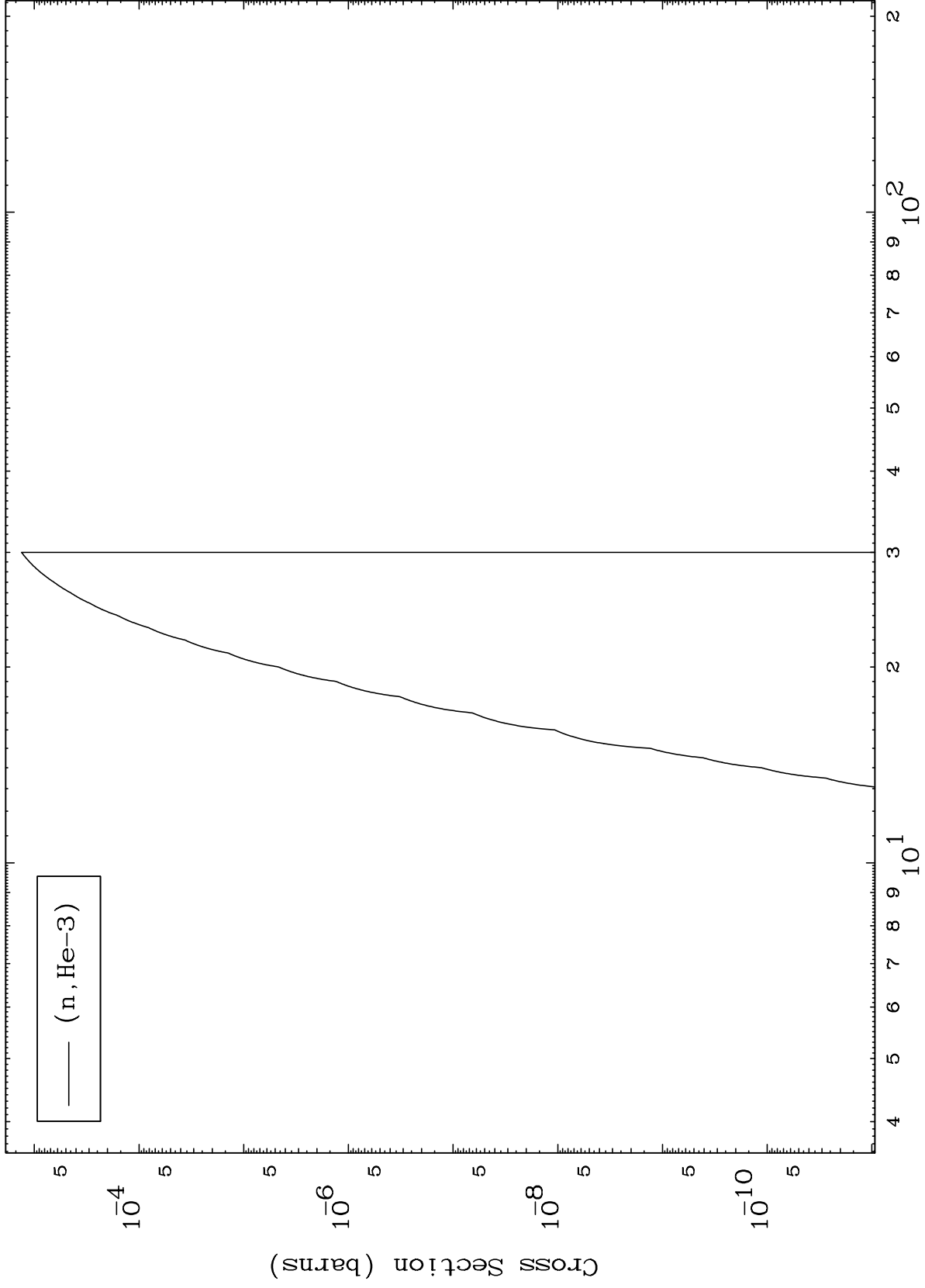
Incident Energy (MeV)

69-Tm-166

MAT 6916

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-166



17

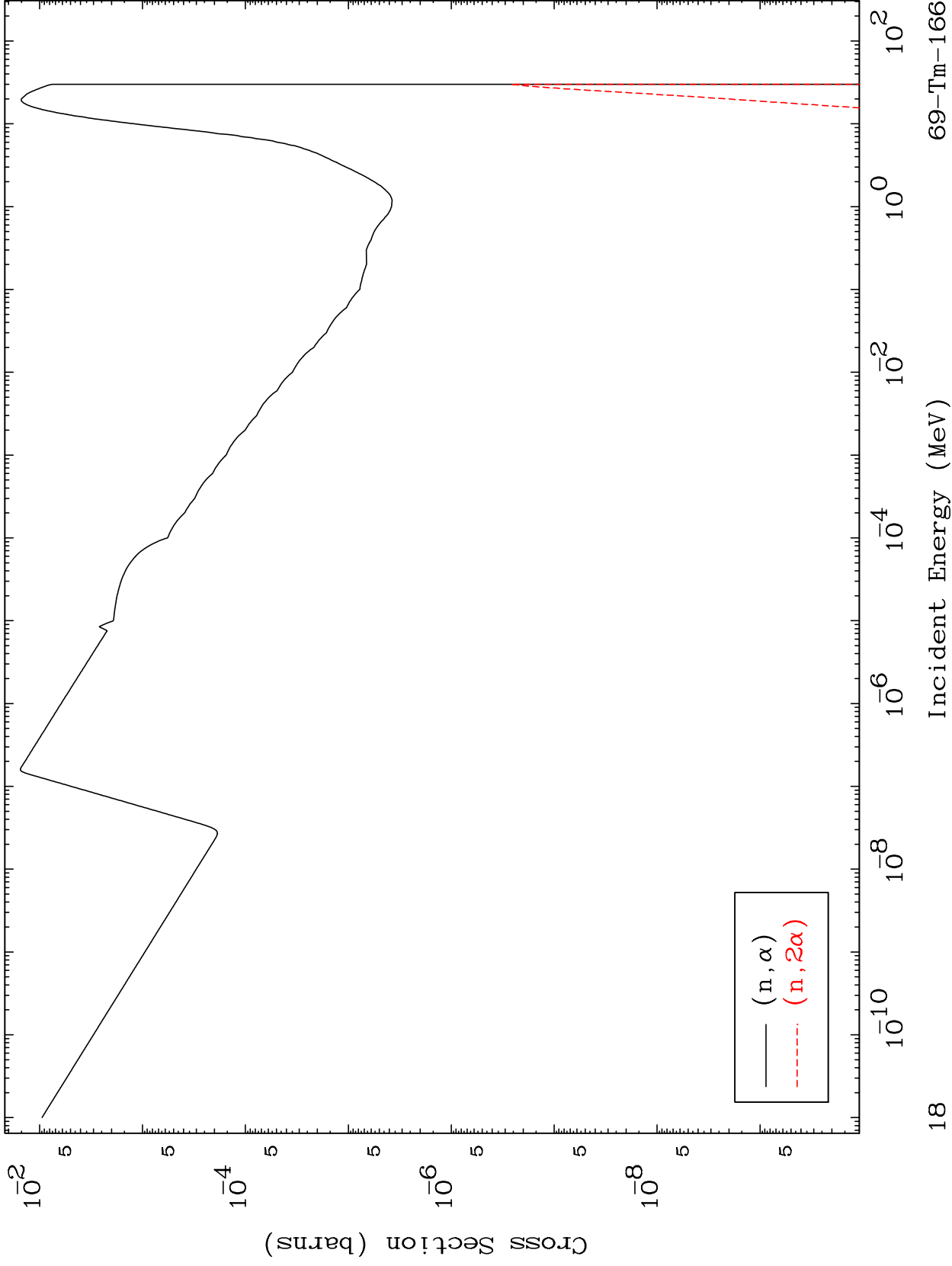
Incident Energy (MeV)

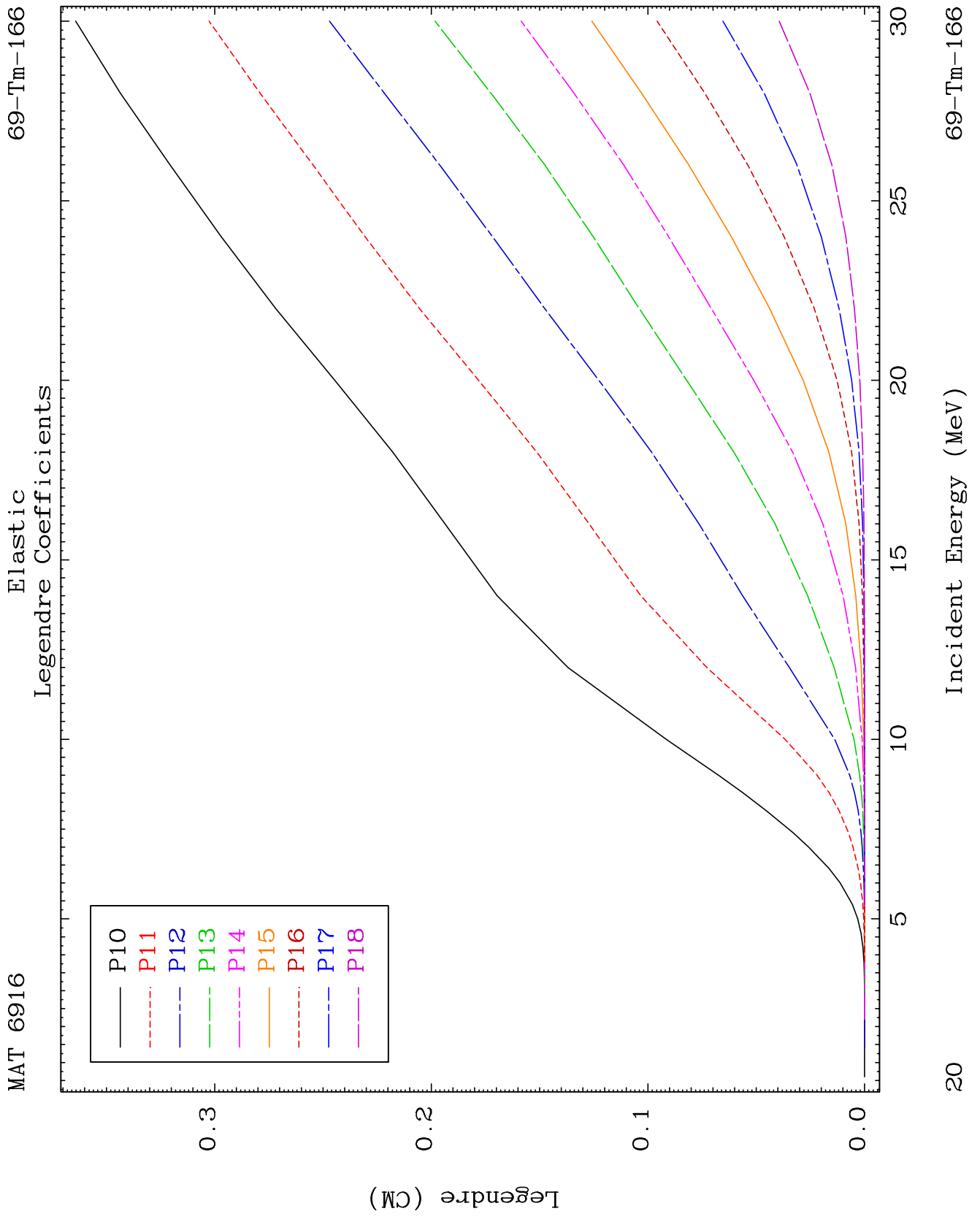
69-Tm-166

MAT 6916

(n, α) Levels
293 Kelvin Cross Sections

69-Tm-166

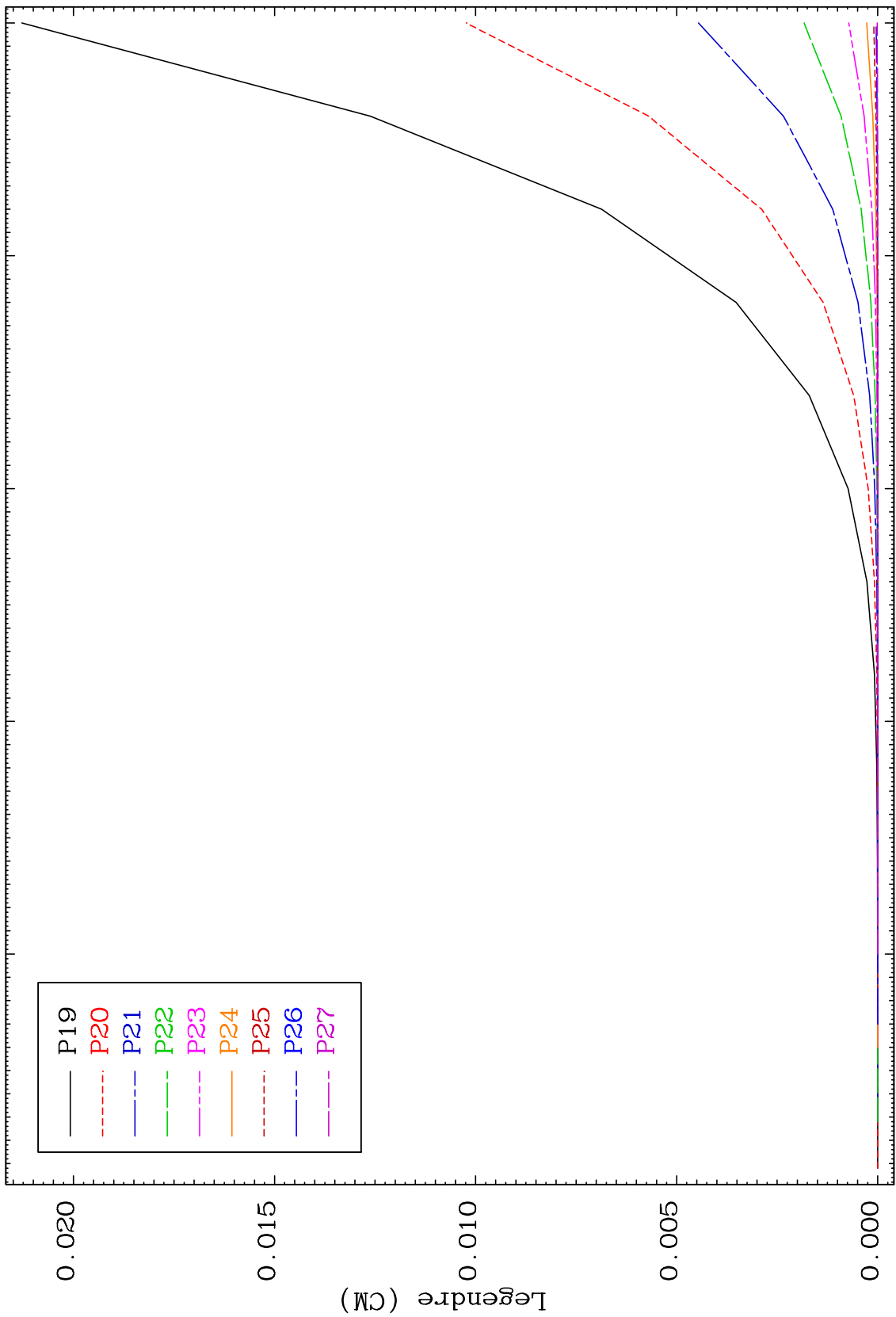




MAT 6916

Elastic Legendre Coefficients

69-Tm-166



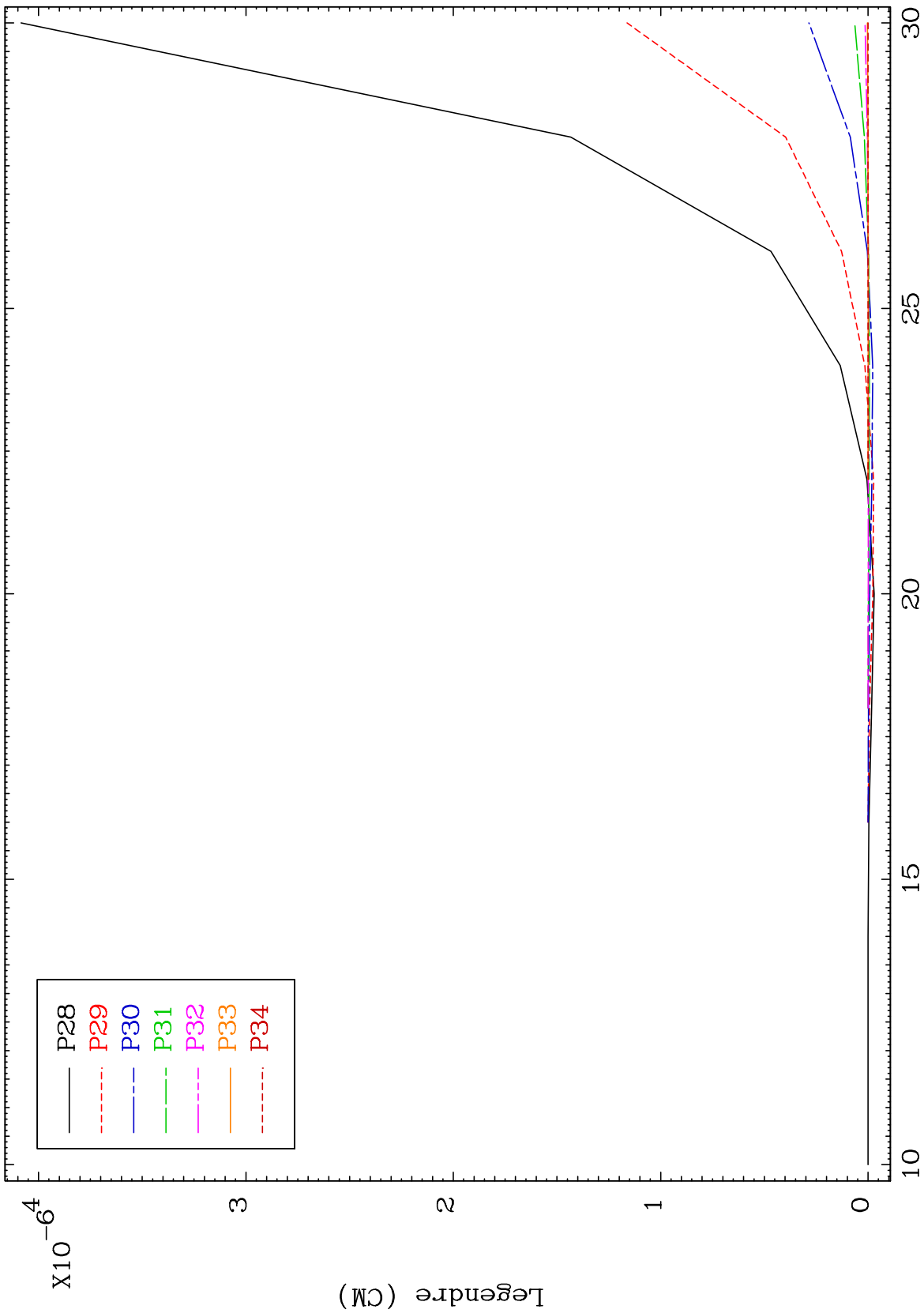
69-Tm-166

Incident Energy (MeV)

MAT 6916

Elastic
Legendre Coefficients

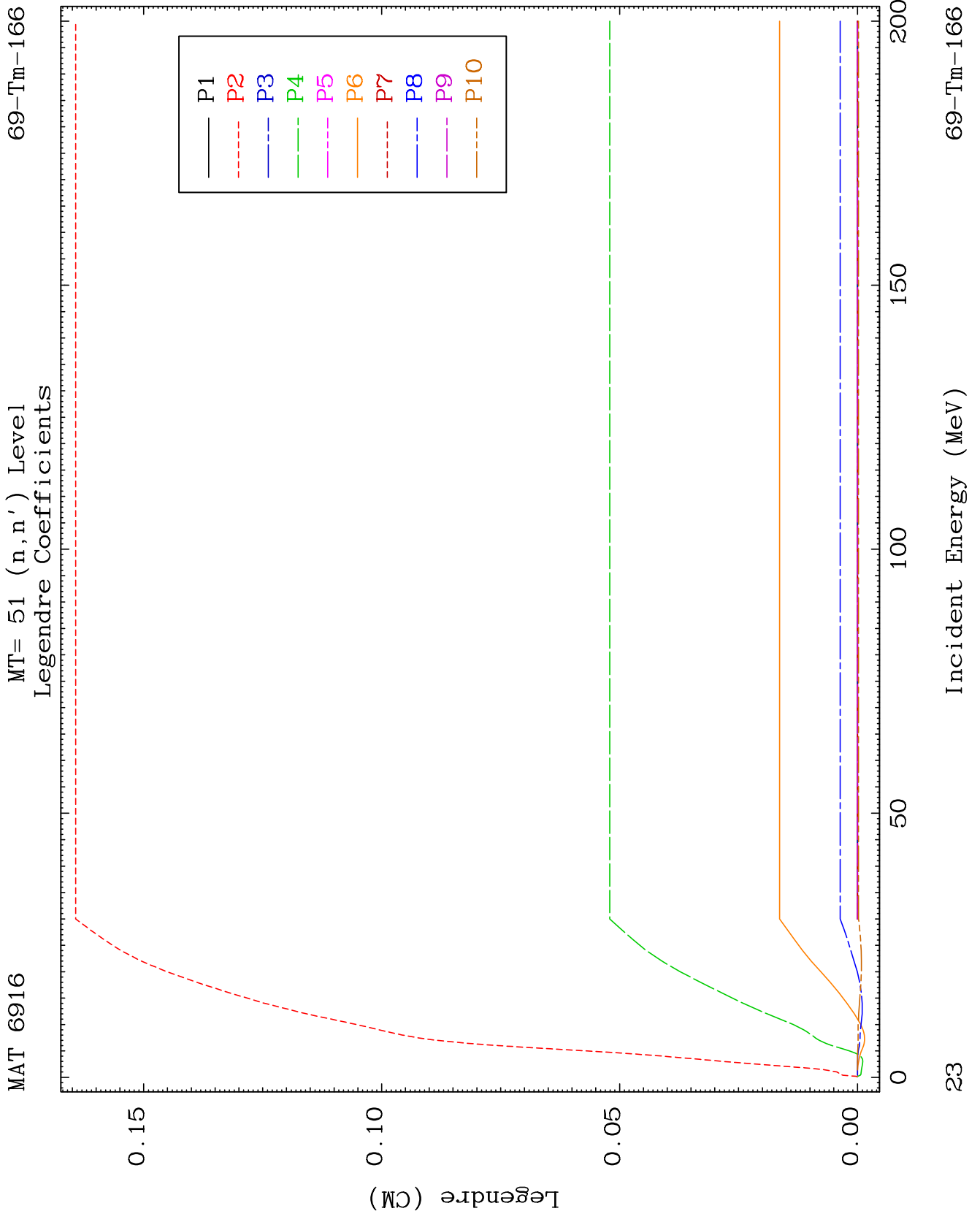
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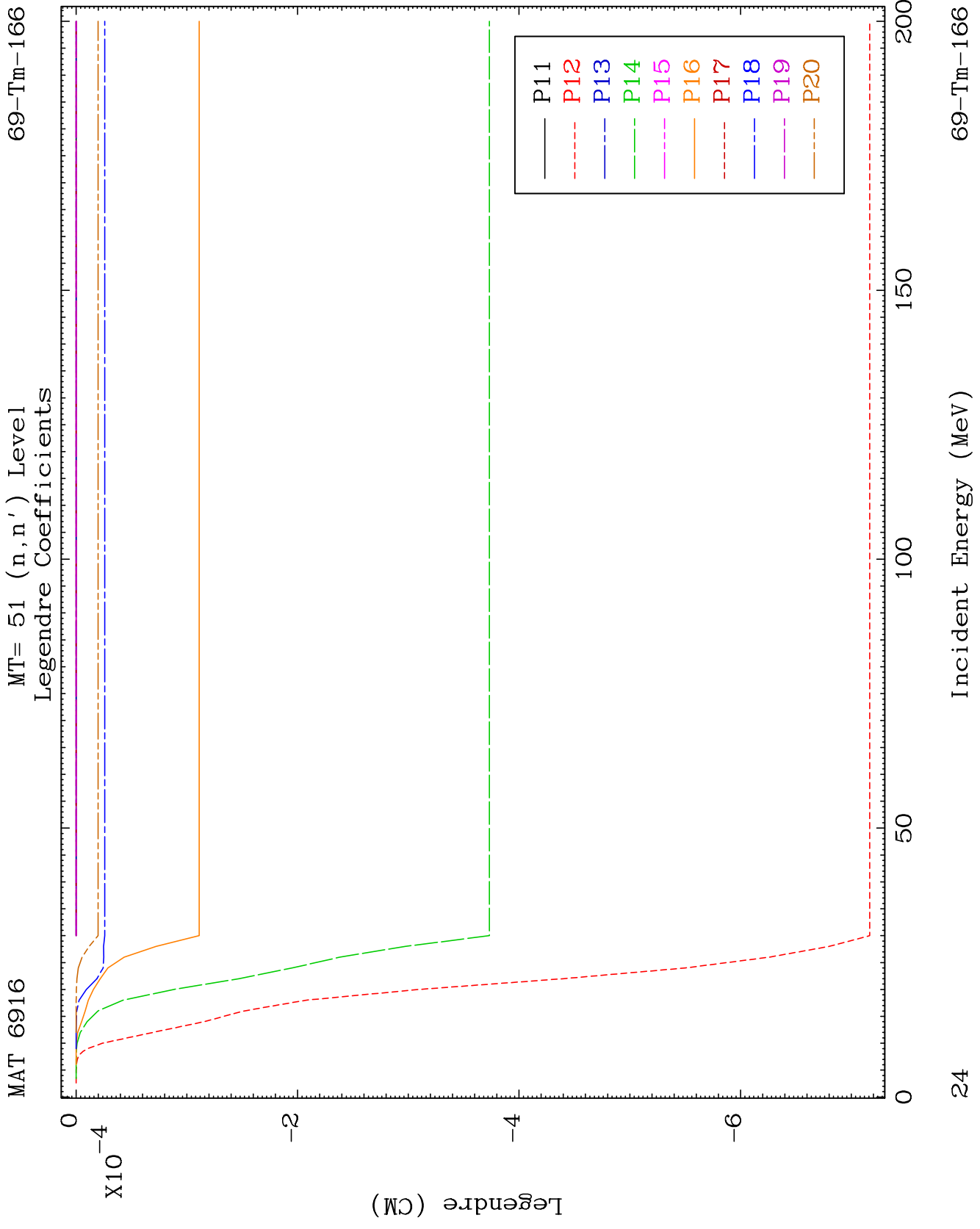


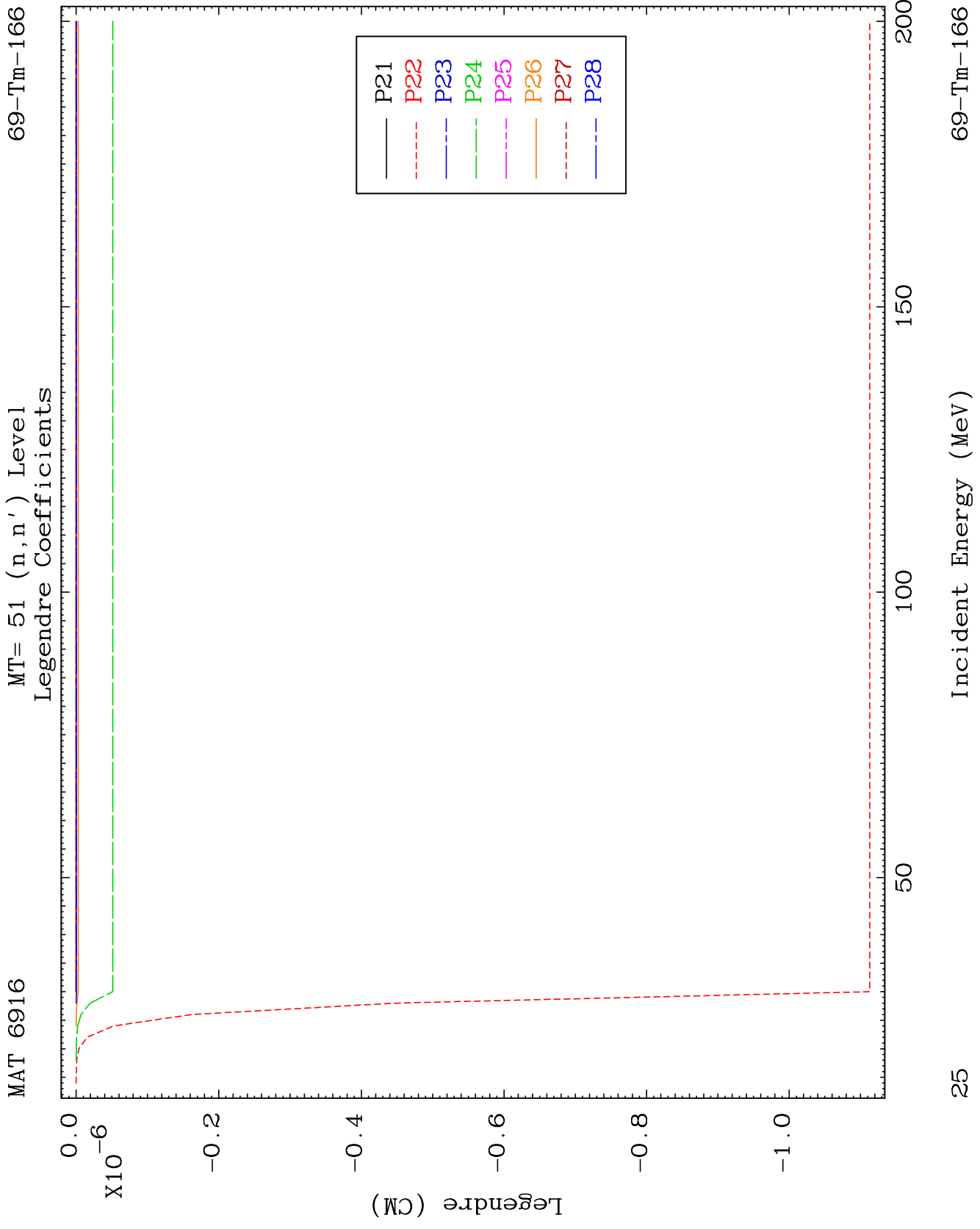
22

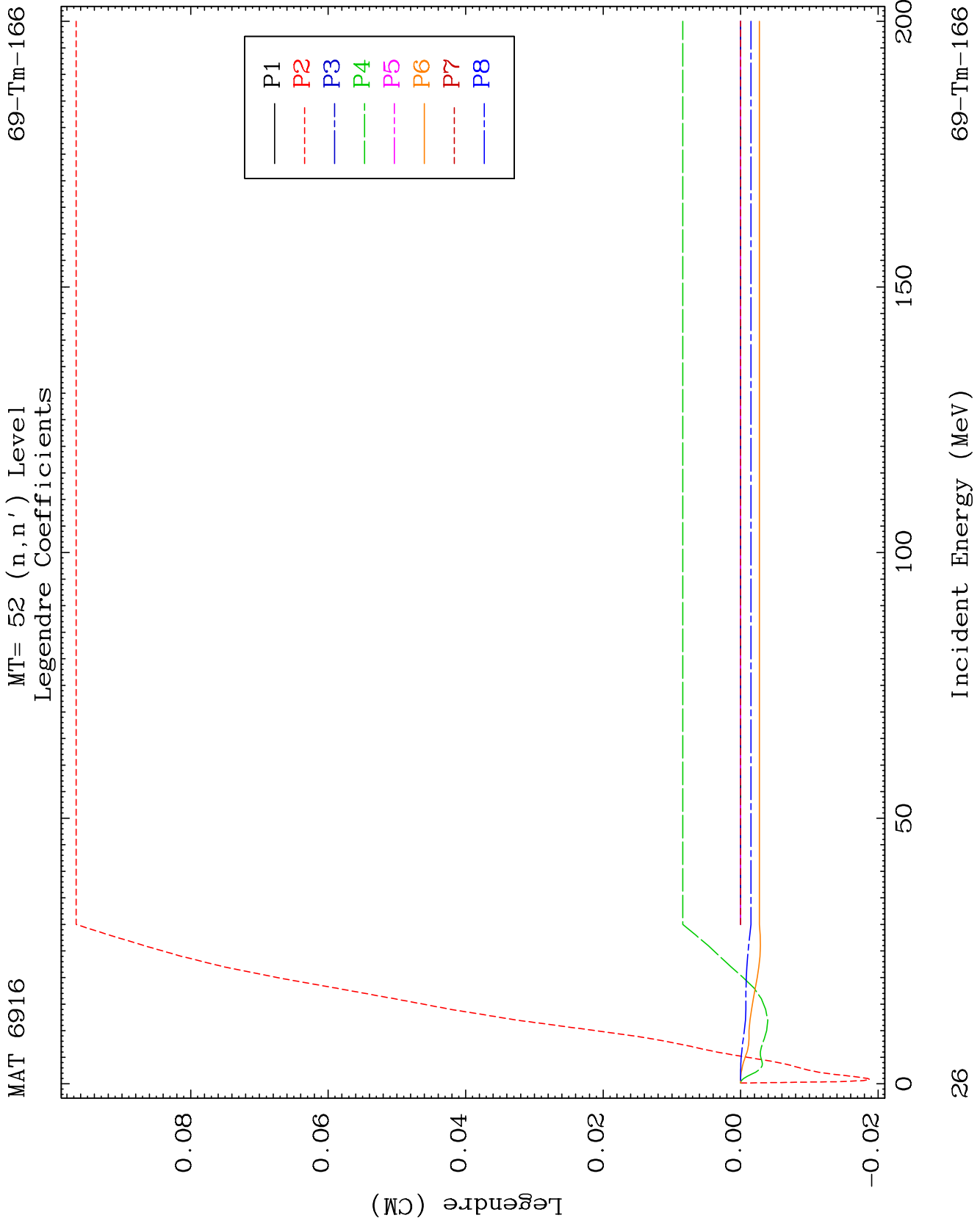
Incident Energy (MeV)

69-Tm-166





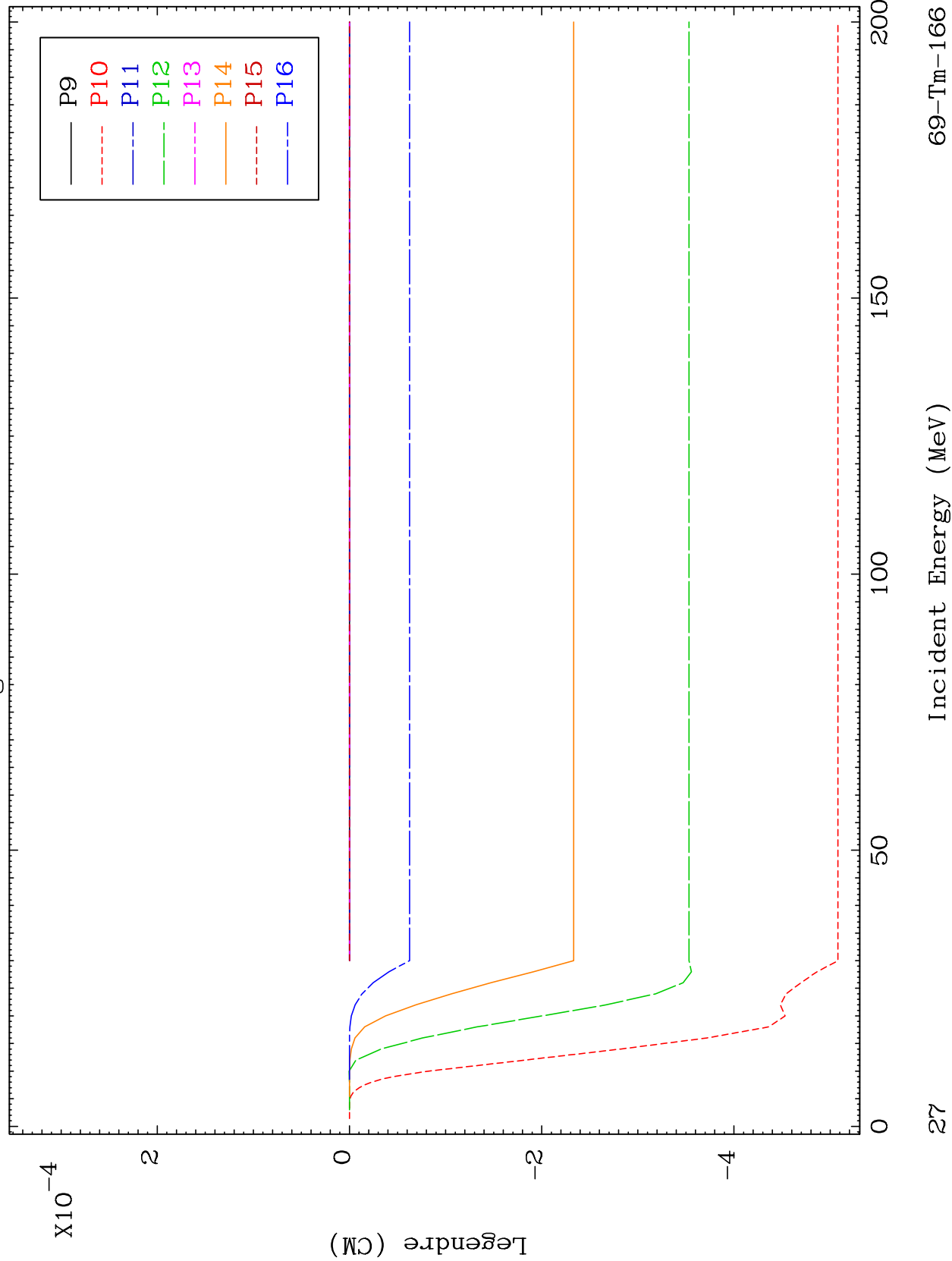




MAT 6916

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

69-Tm-166



27

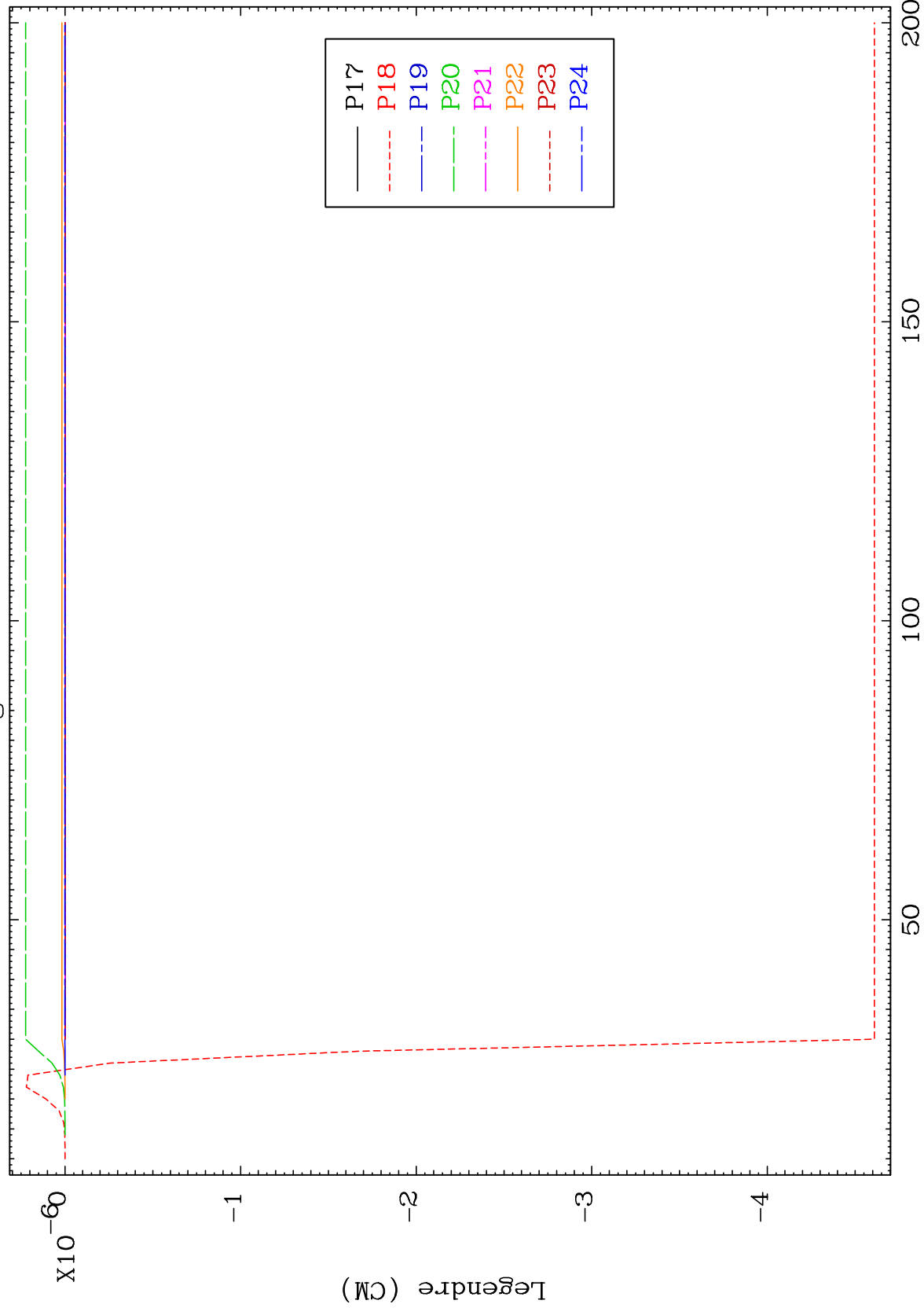
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



28

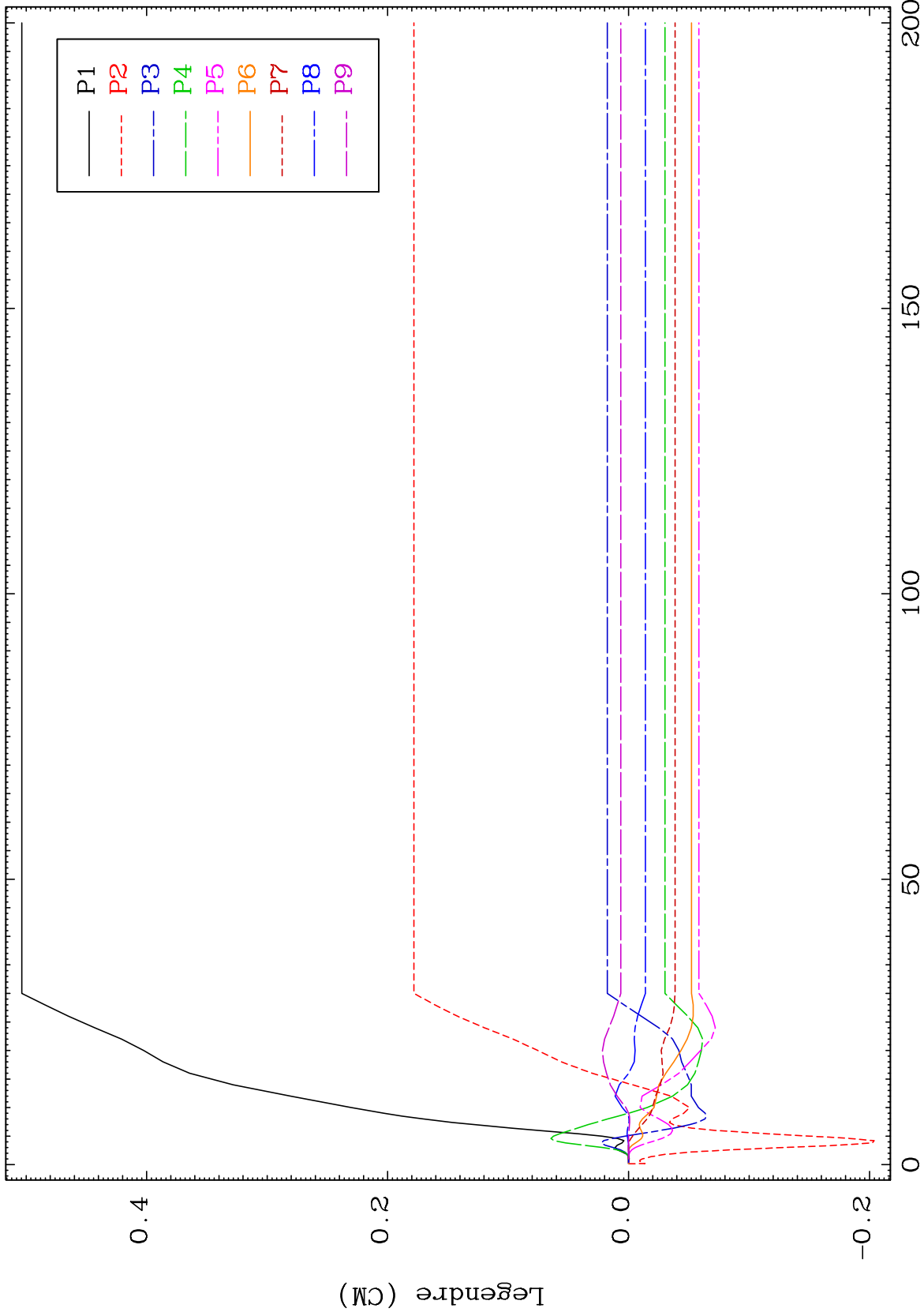
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



29

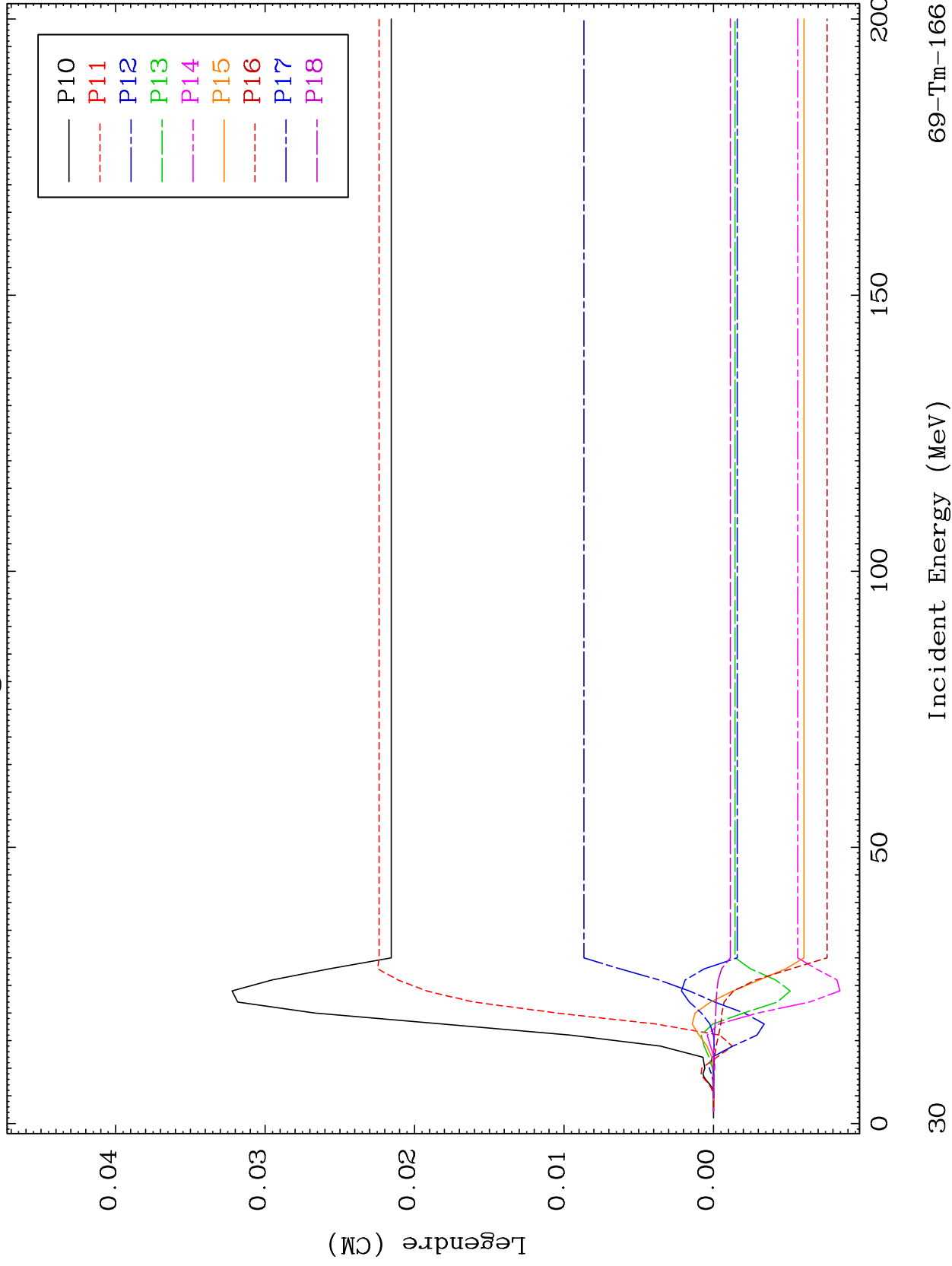
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

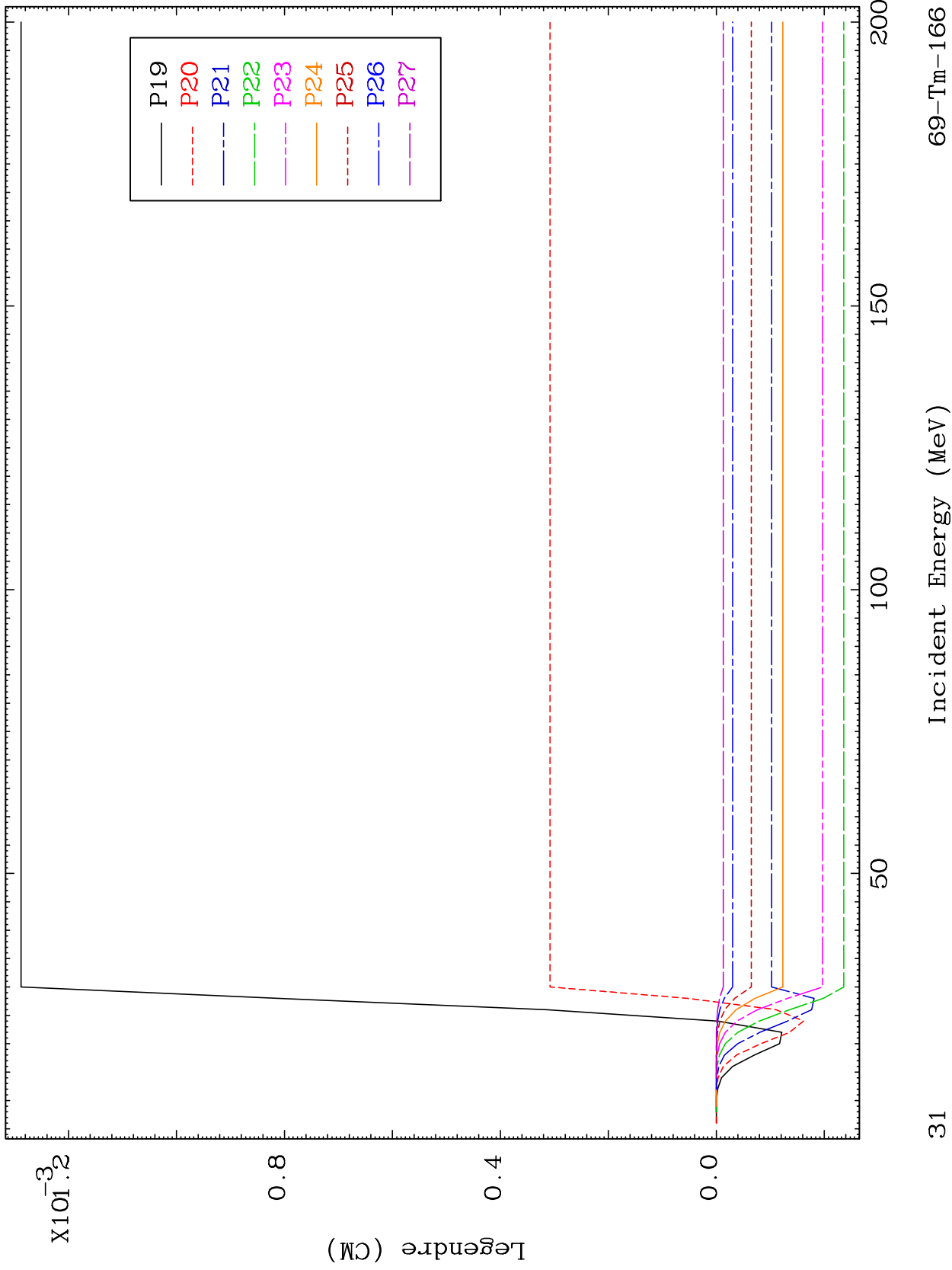
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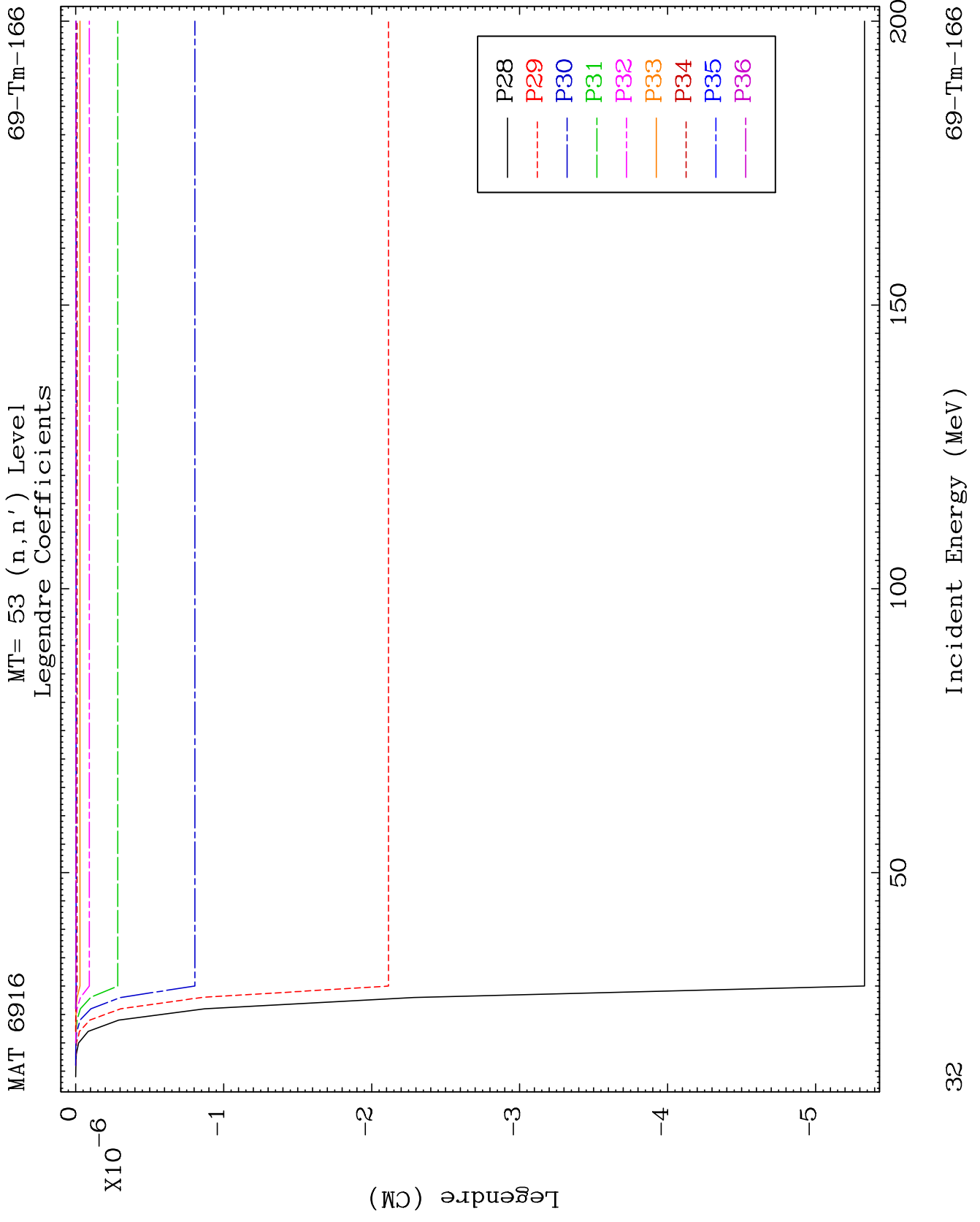


69-Tm-166

Incident Energy (MeV)

30

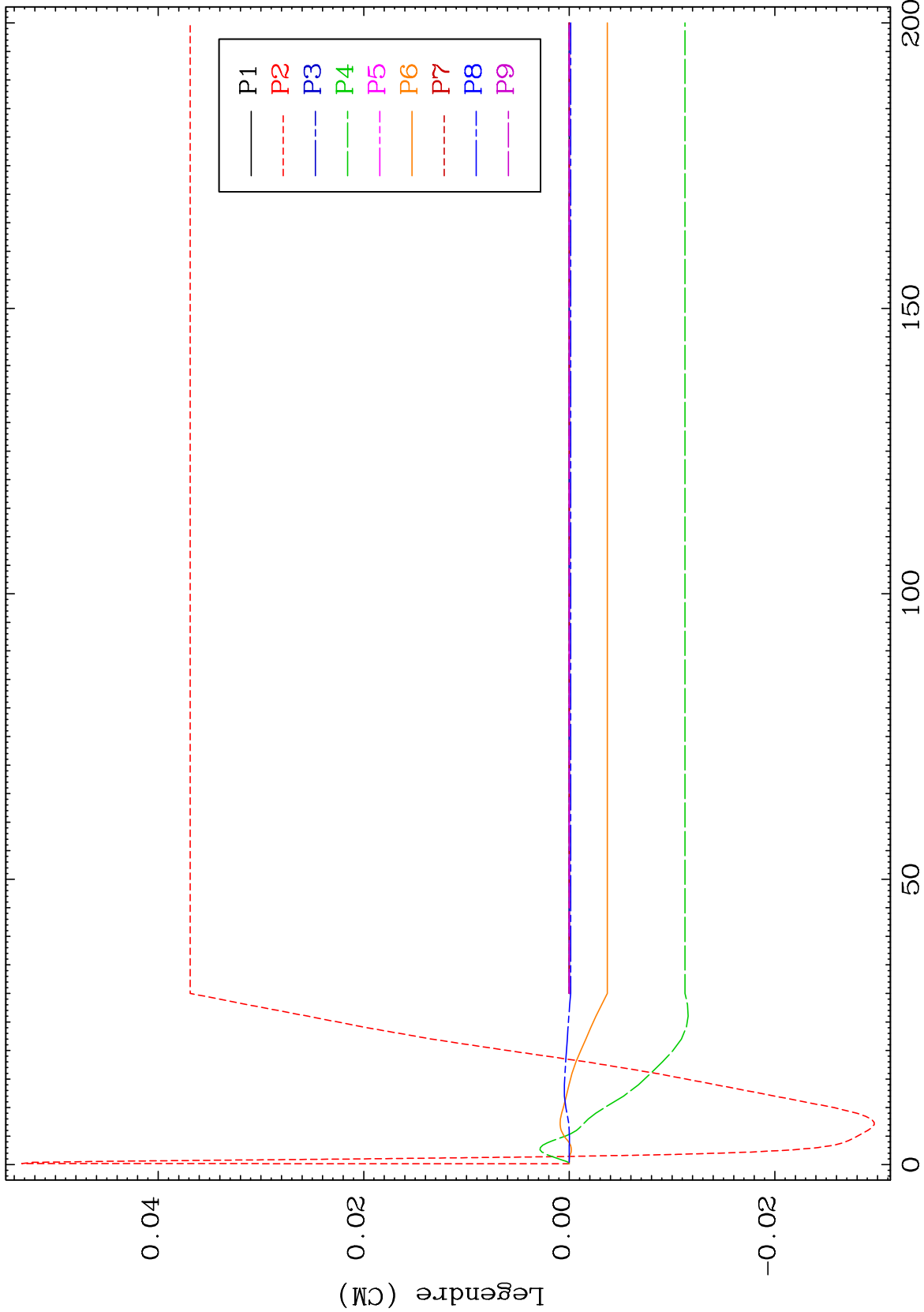




MAT 6916

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

69-Tm-166



33

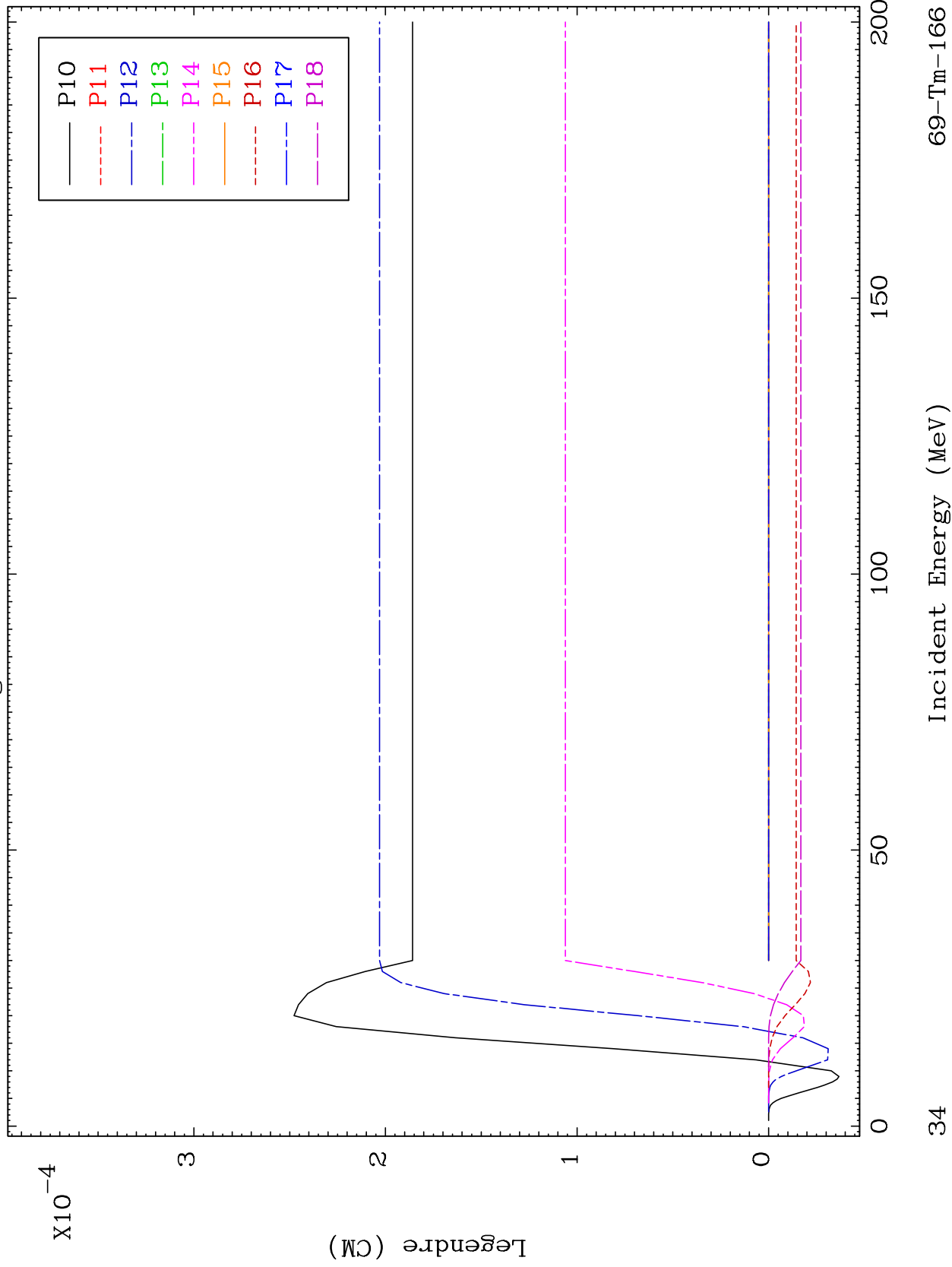
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

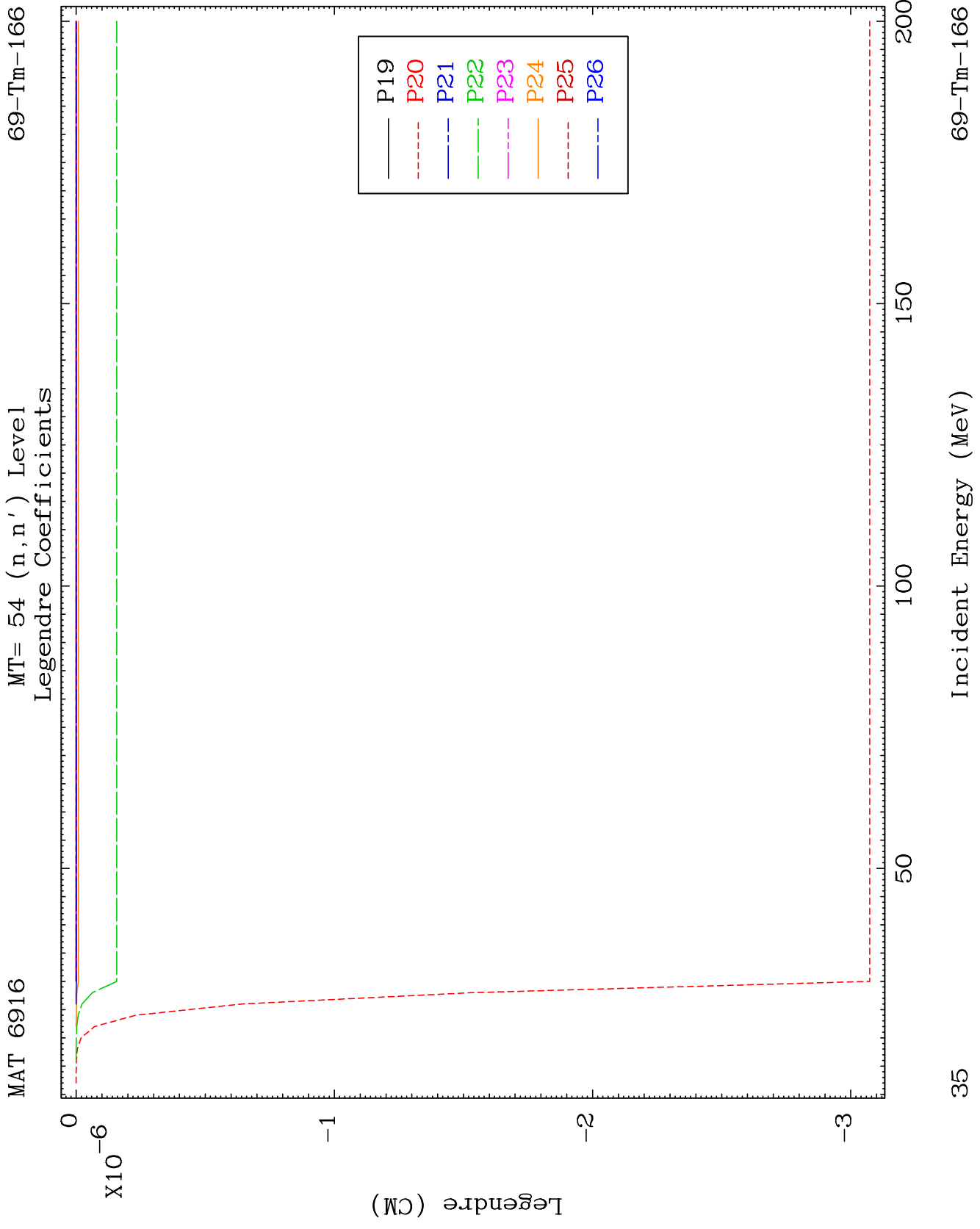
69-Tm-166



34

Incident Energy (MeV)

69-Tm-166



69-Tm-166

Incident Energy (MeV)

35

200

150

100

50

-3

-2

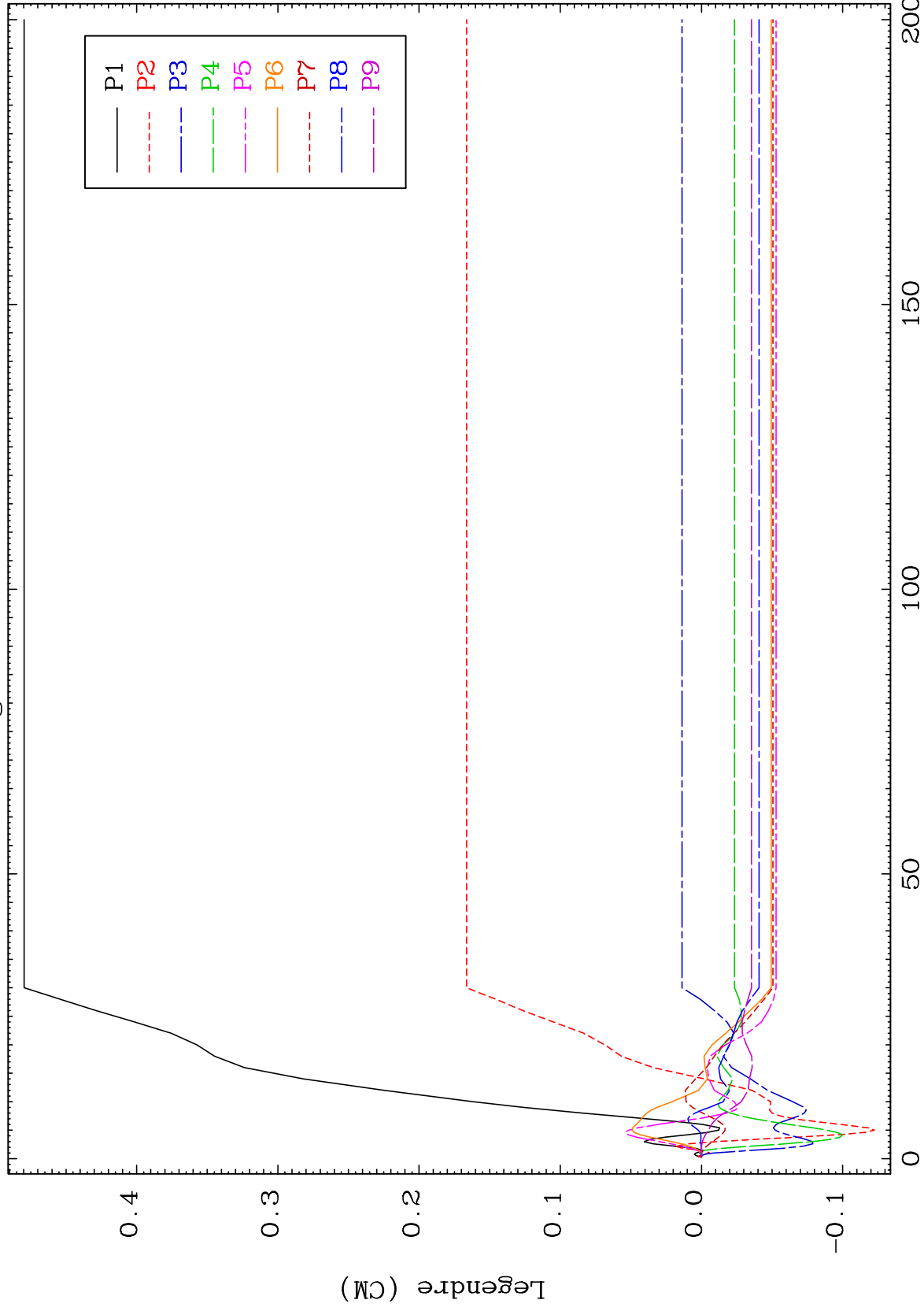
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MAT 6916

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

69-Tm-166



36

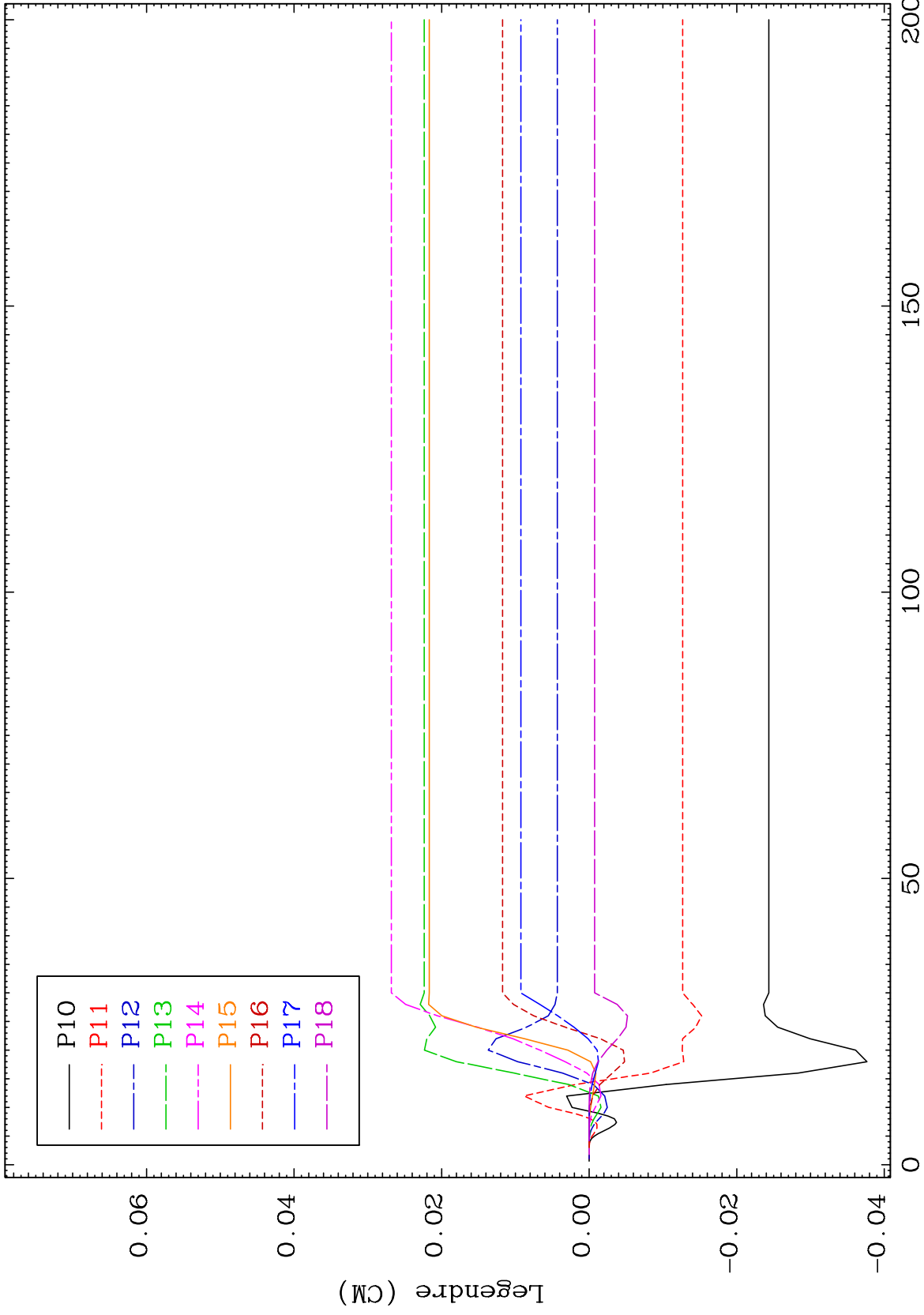
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



37

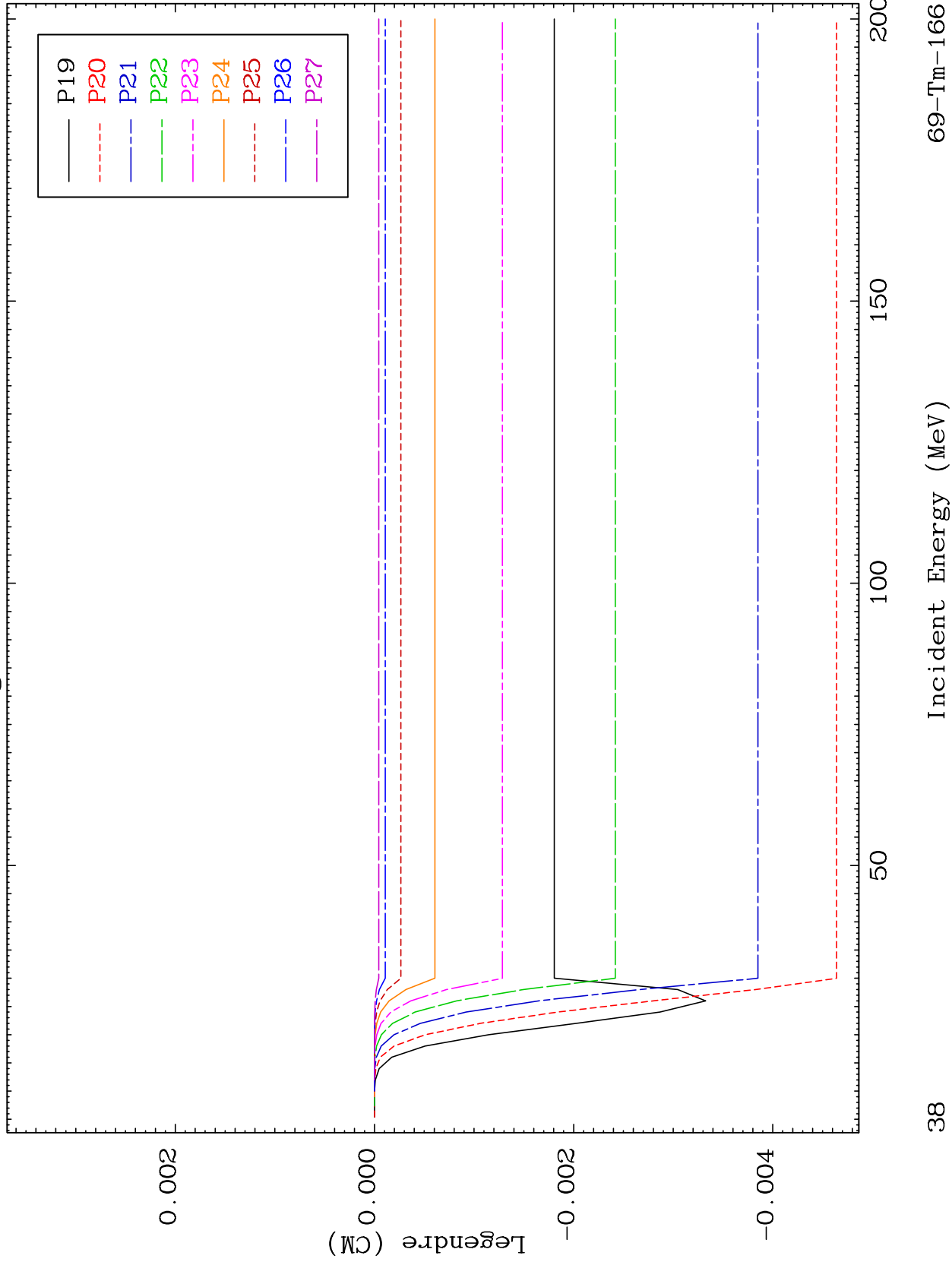
Incident Energy (MeV)

69-Tm-166

MAT 6916

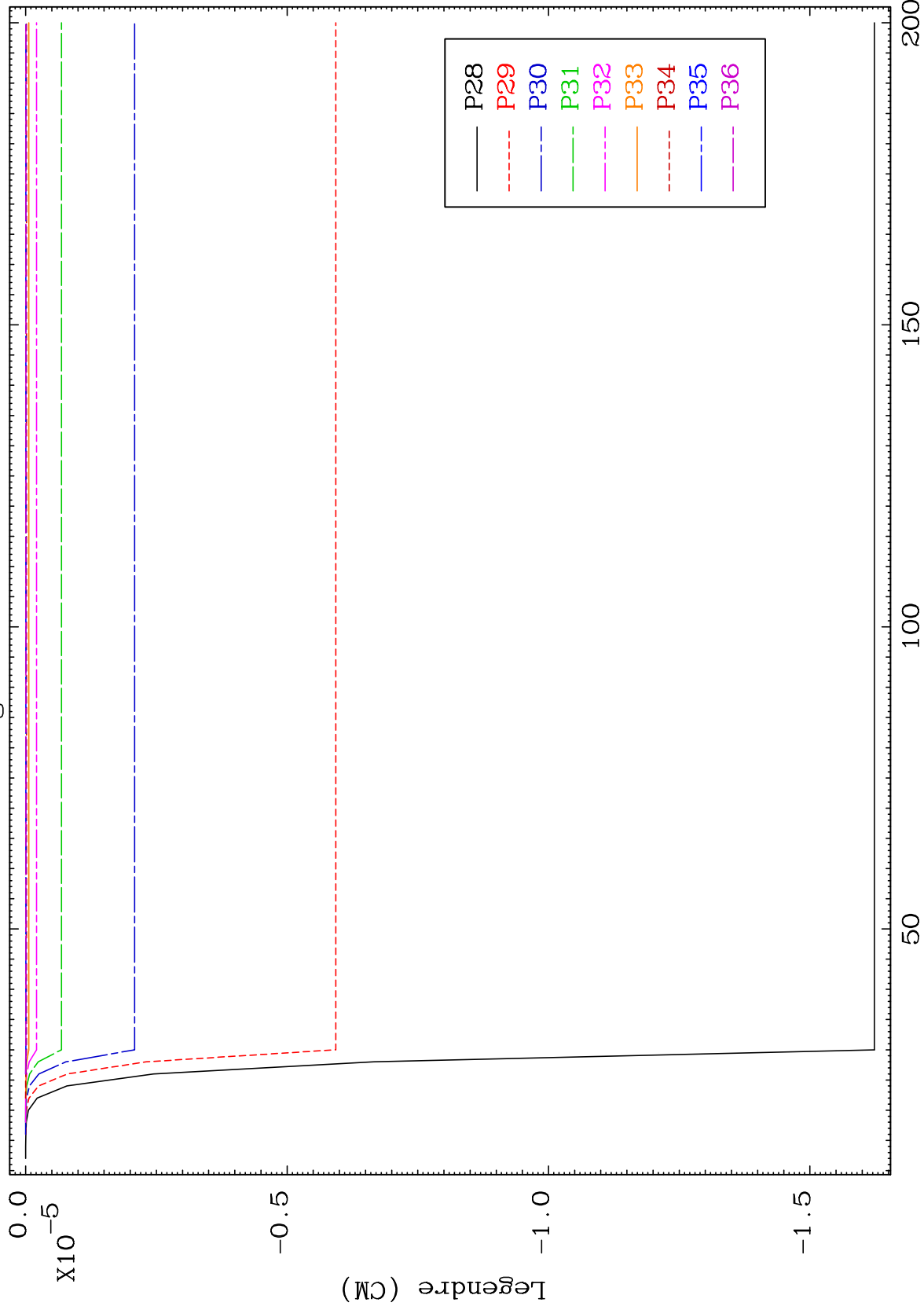
MT= 55 (n,n') Level
Legendre Coefficients

69-Tm-166



38

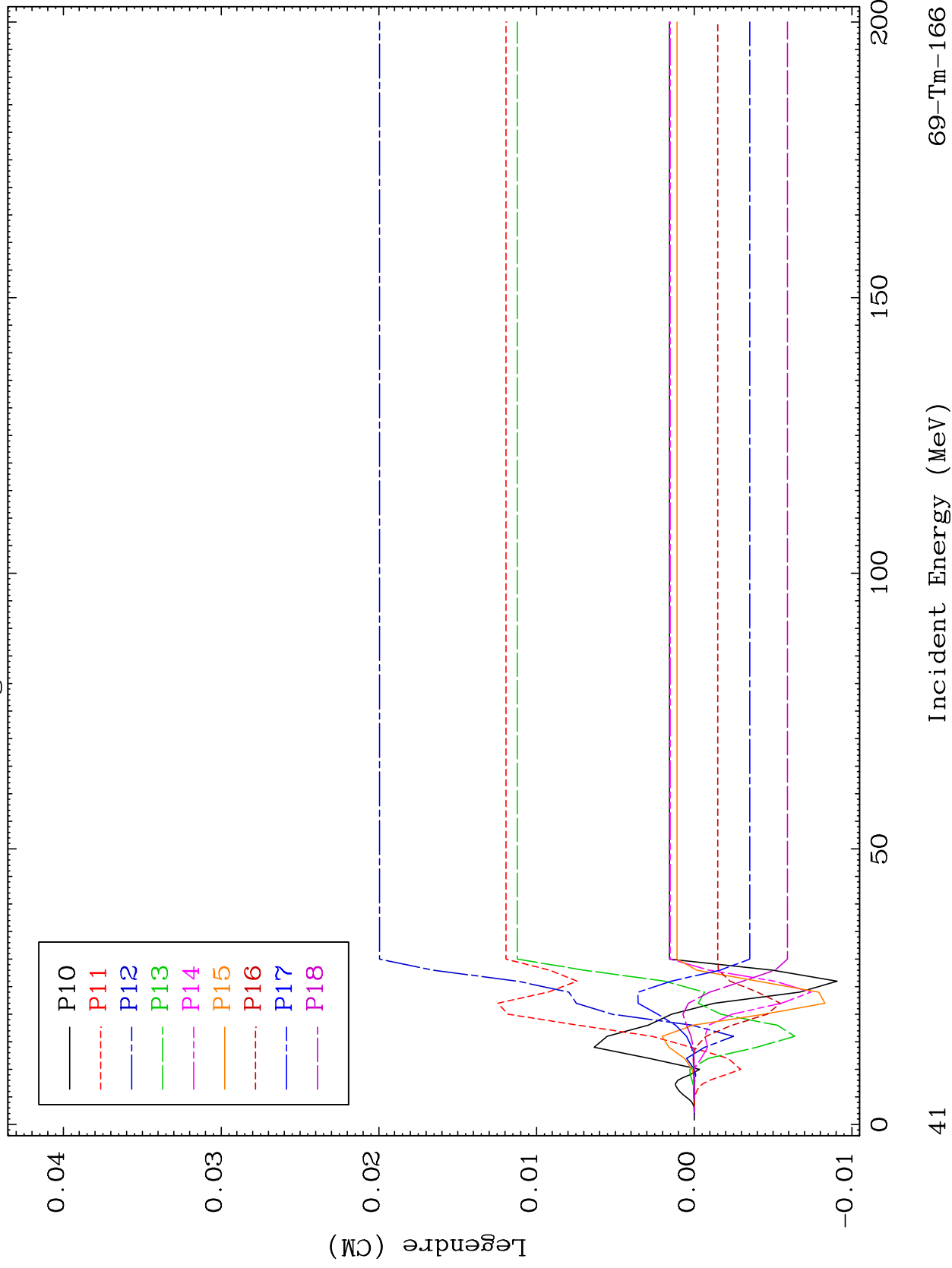
69-Tm-166



MAT 6916

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

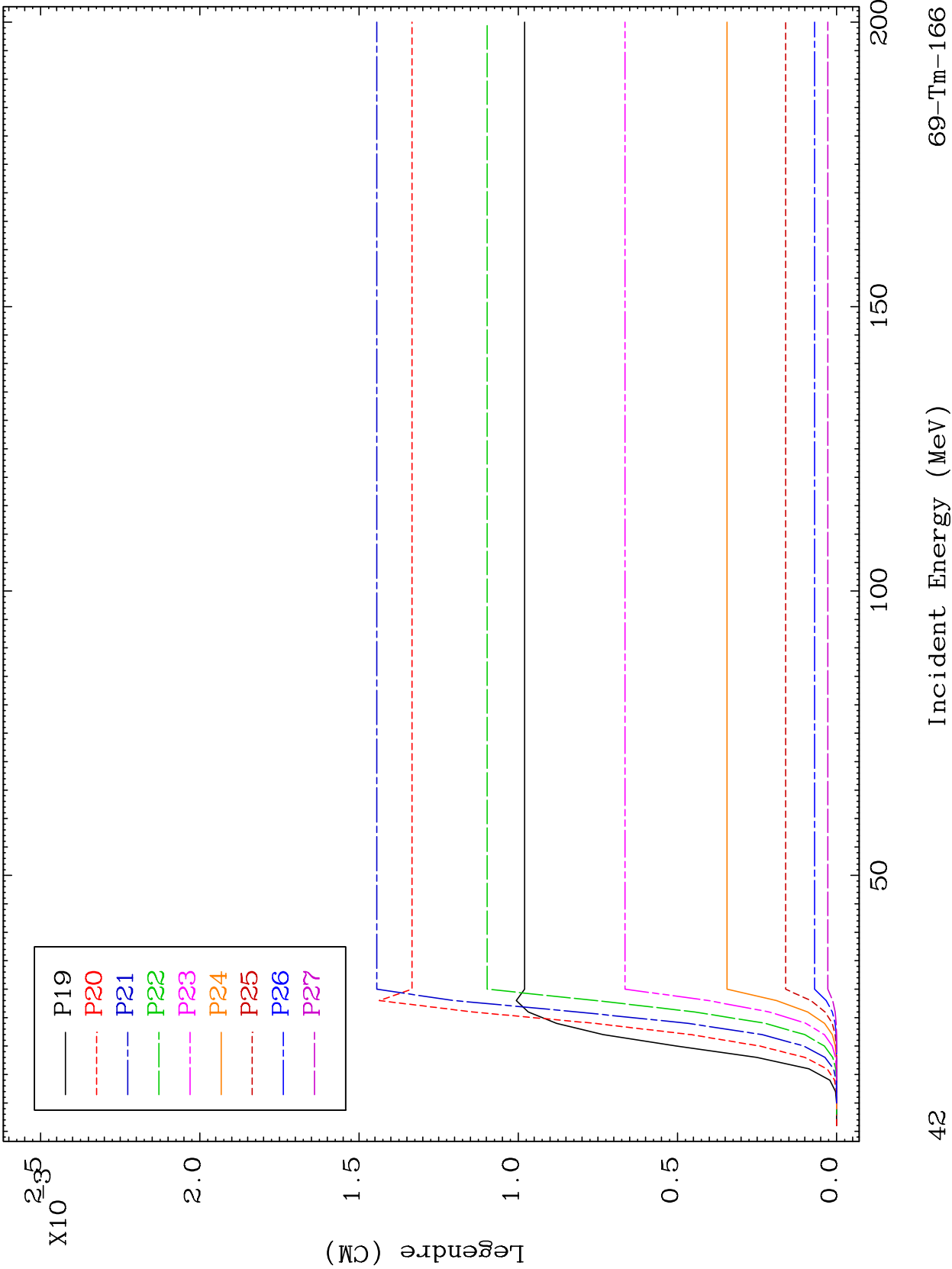
69-Tm-166



41

Incident Energy (MeV)

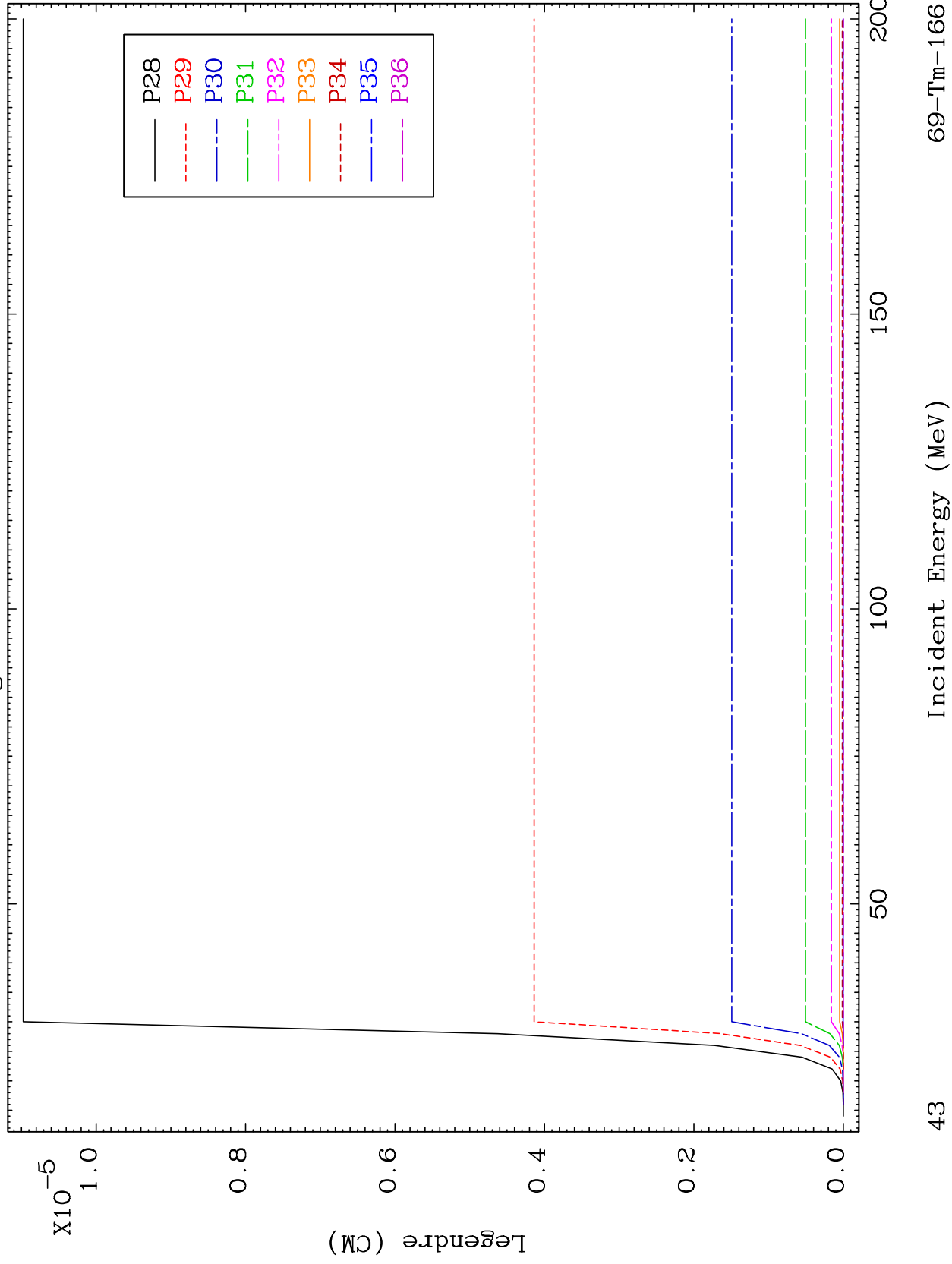
69-Tm-166



MAT 6916

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

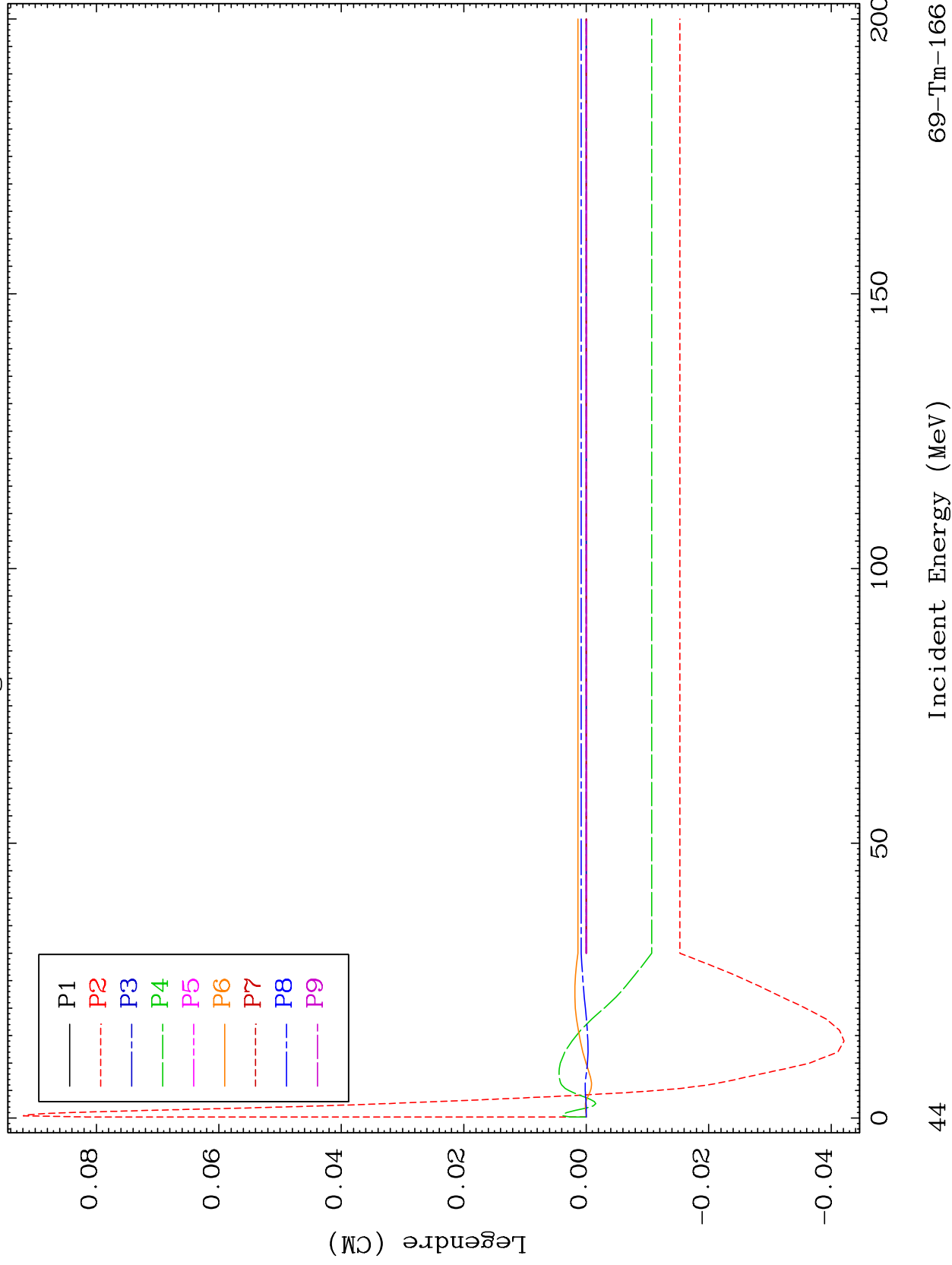
69-Tm-166



MAT 6916

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

69-Tm-166



69-Tm-166

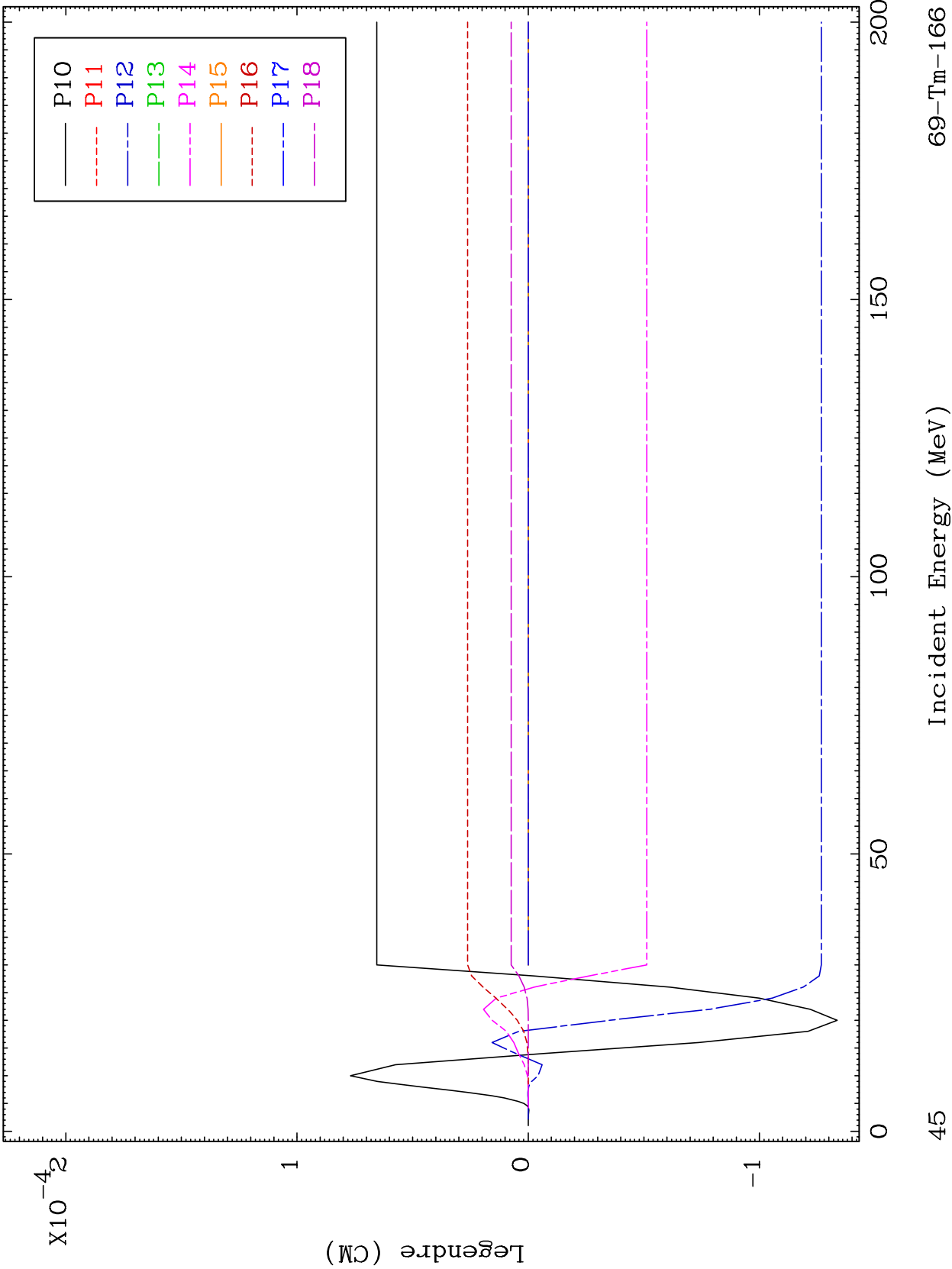
Incident Energy (MeV)

44

MAT 6916

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

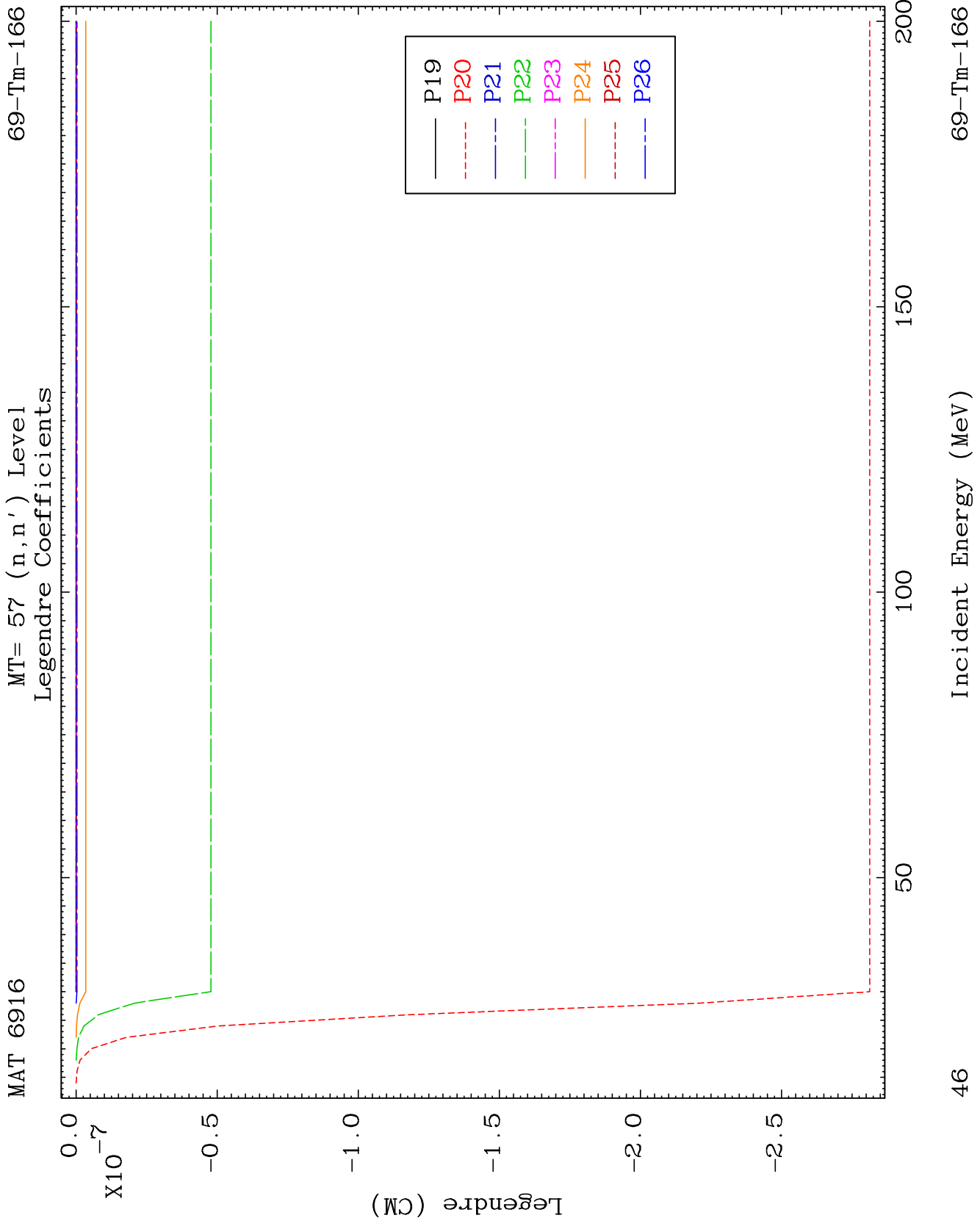
69-Tm-166



69-Tm-166

Incident Energy (MeV)

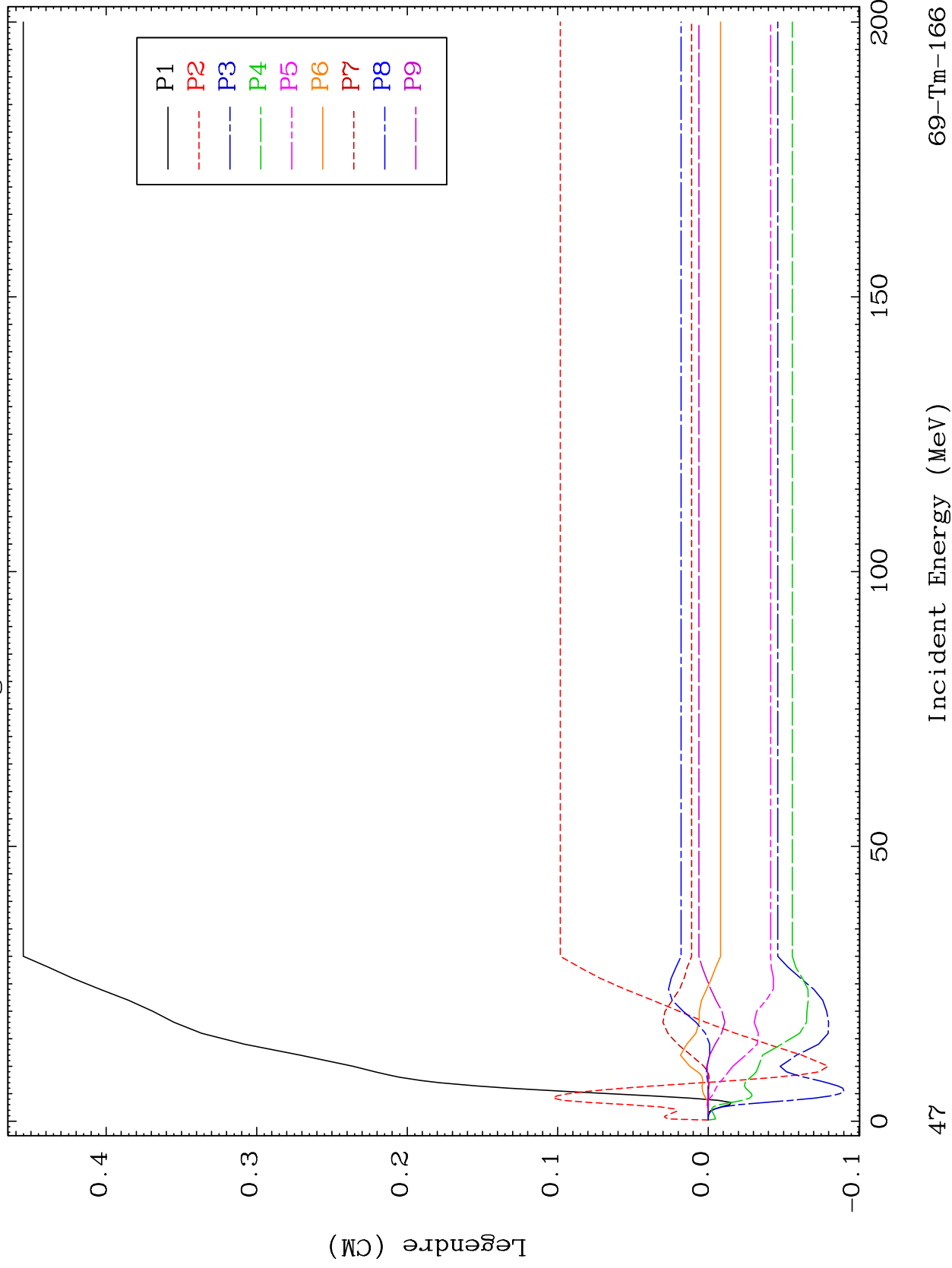
45



MAT 6916

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

69-Tm-166



69-Tm-166

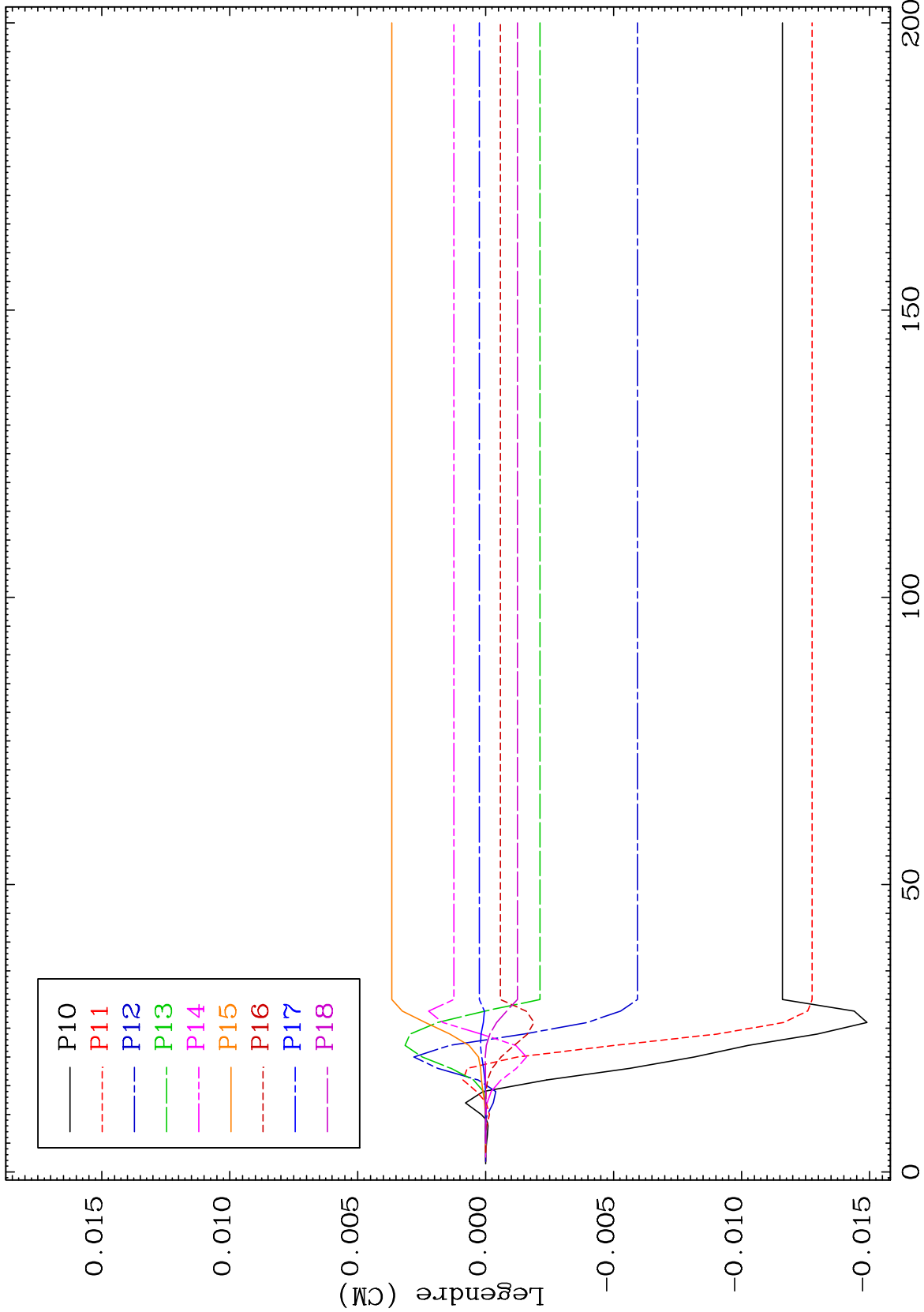
Incident Energy (MeV)

47

MAT 6916

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

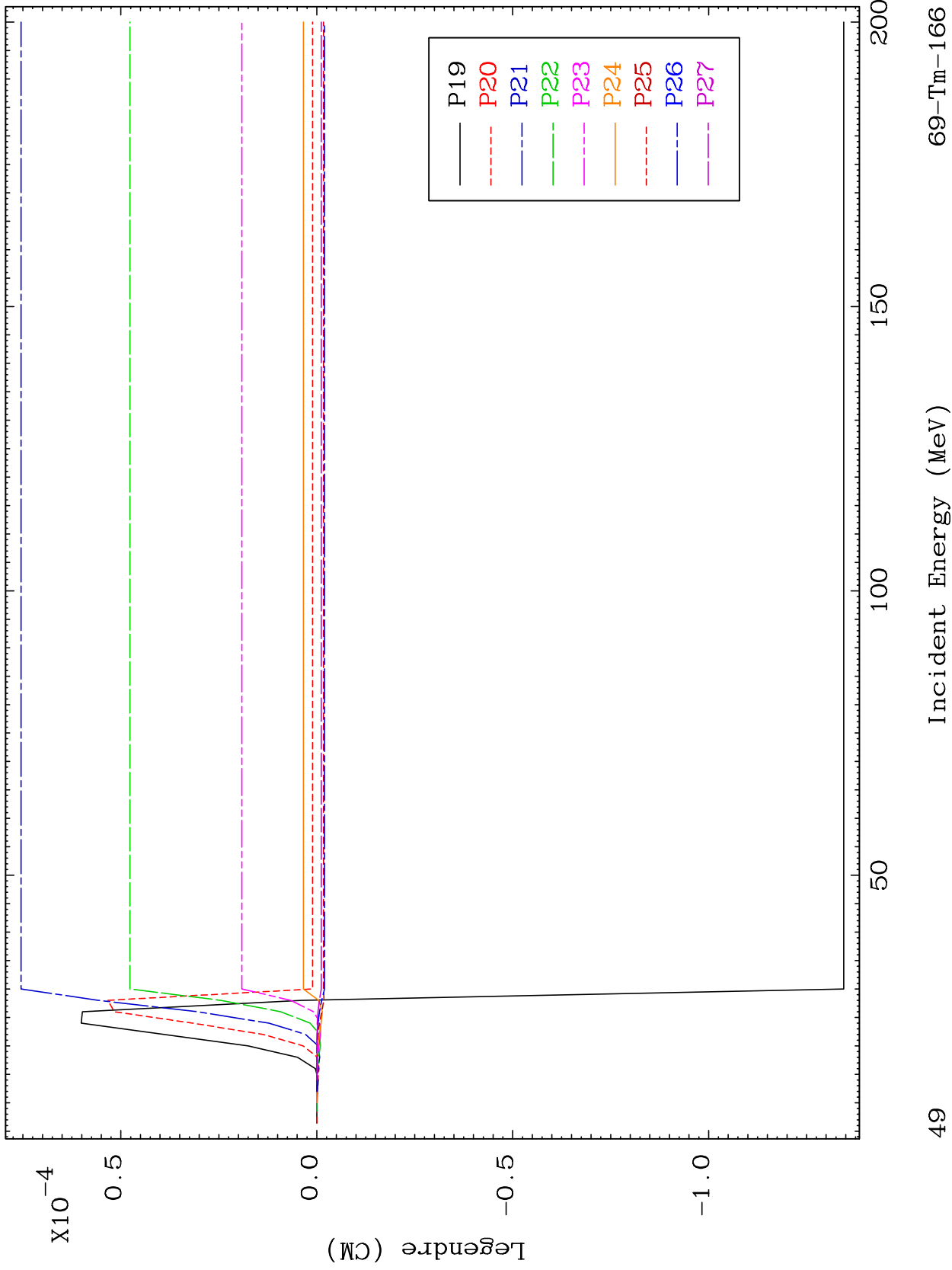
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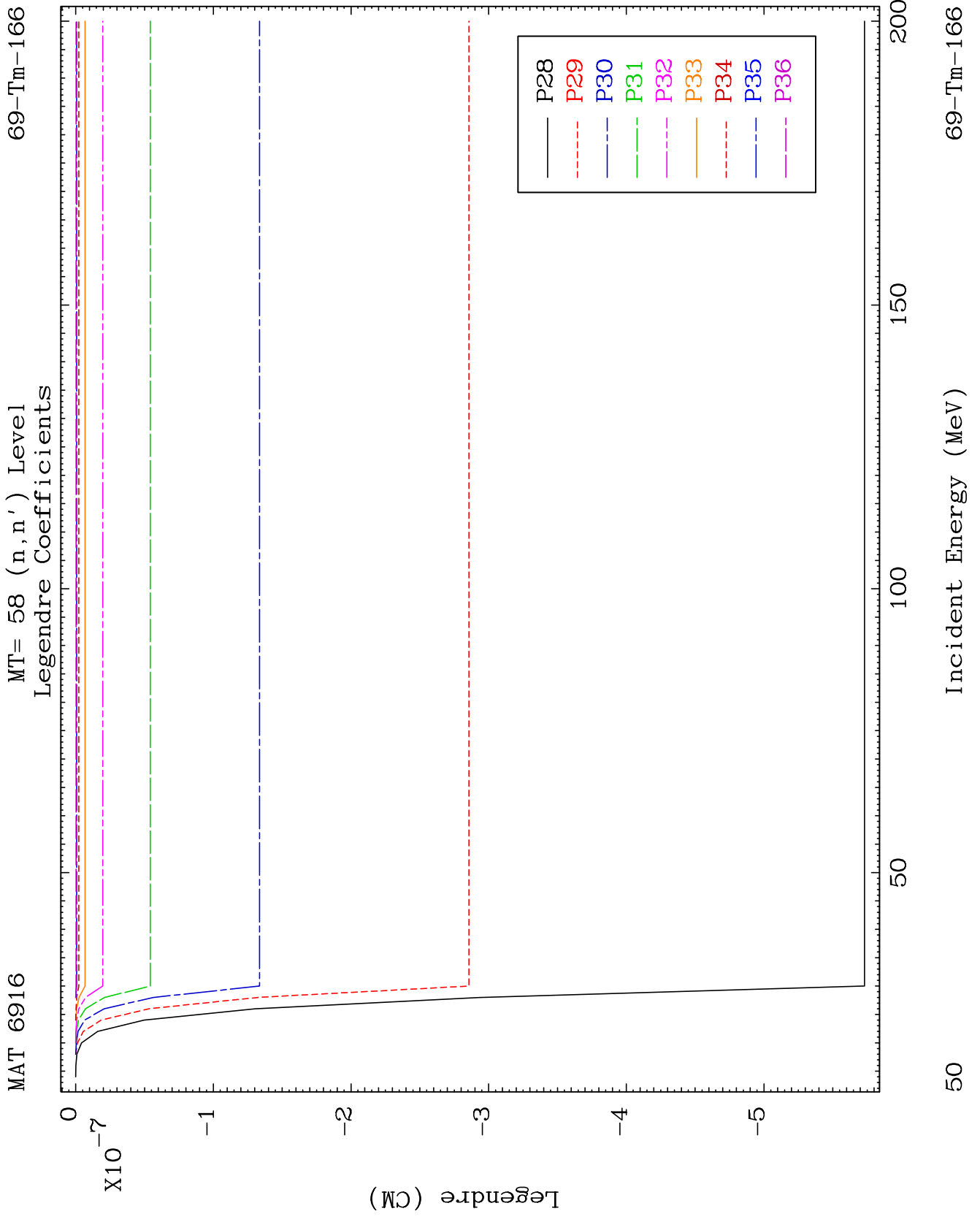


48

Incident Energy (MeV)

69-Tm-166

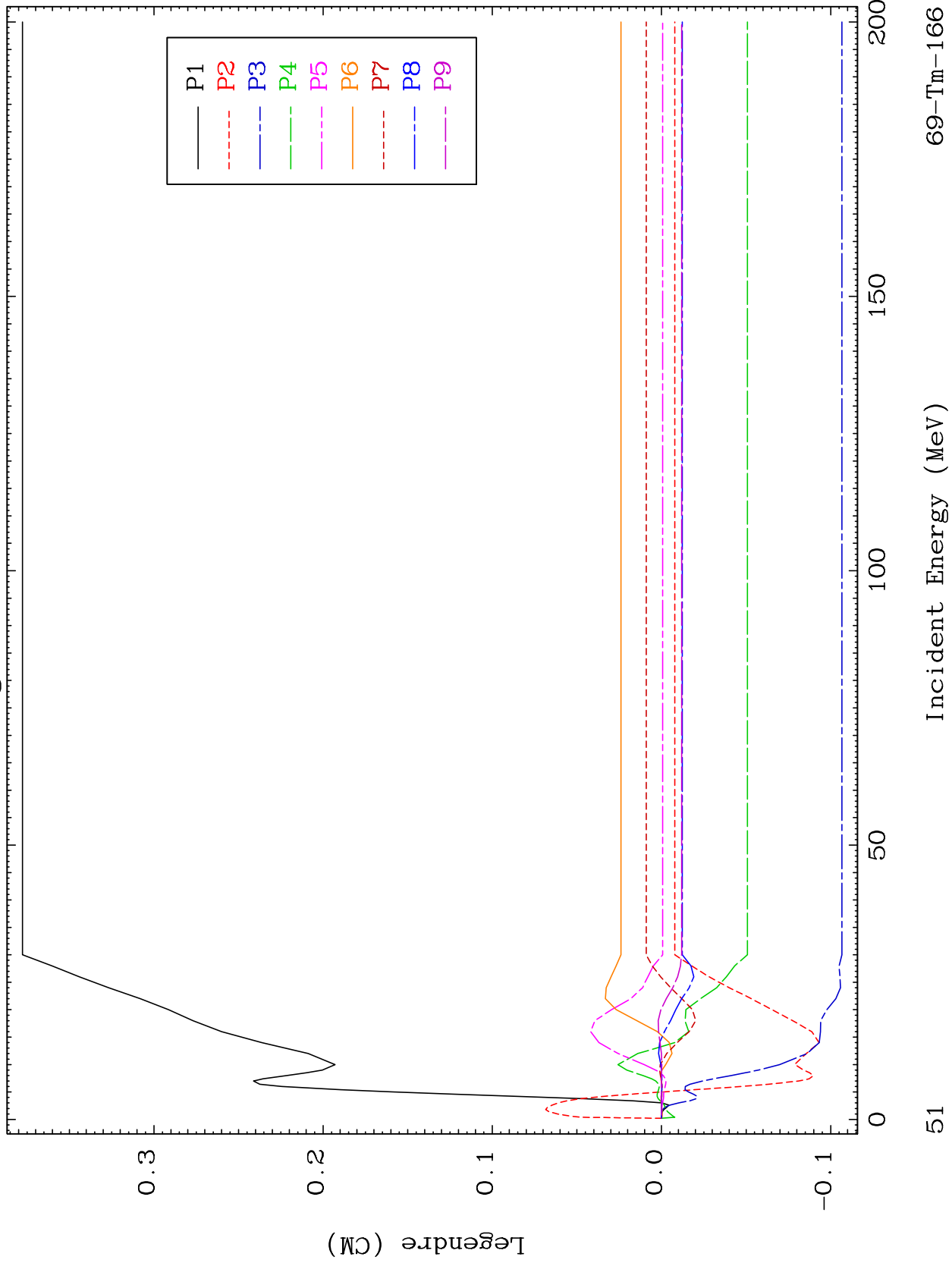




MAT 6916

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

69-Tm-166



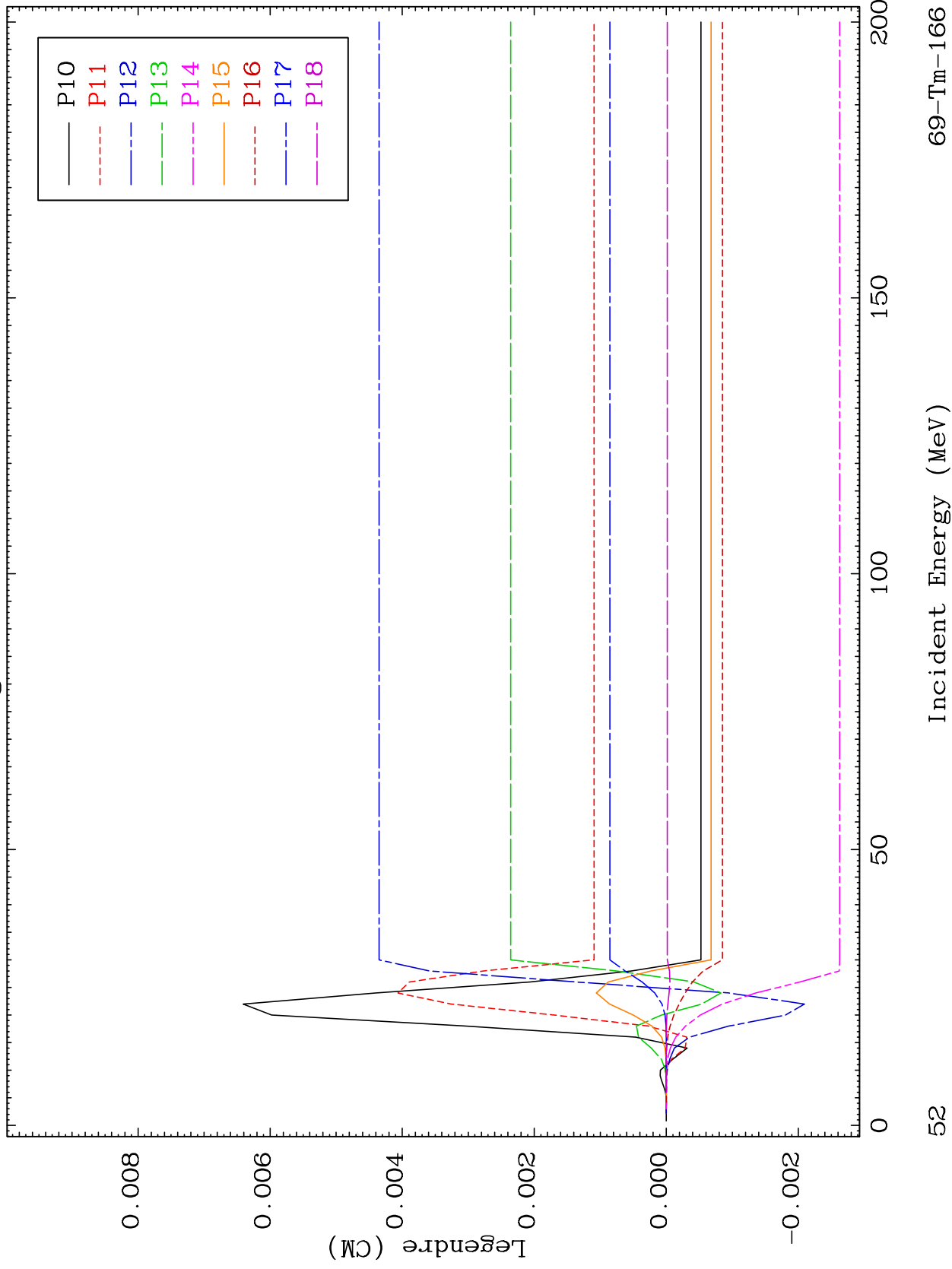
51

69-Tm-166

MAT 6916

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

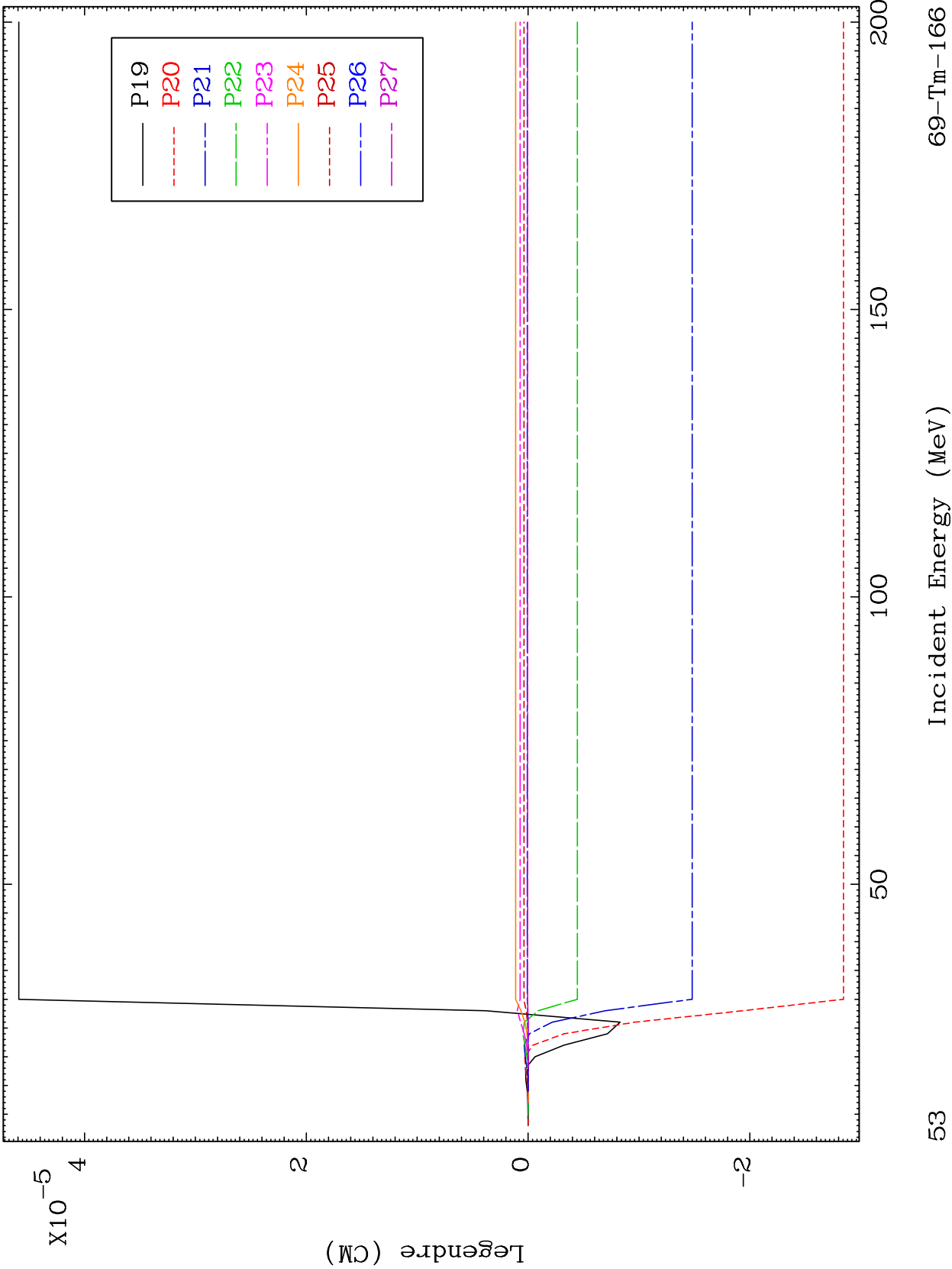
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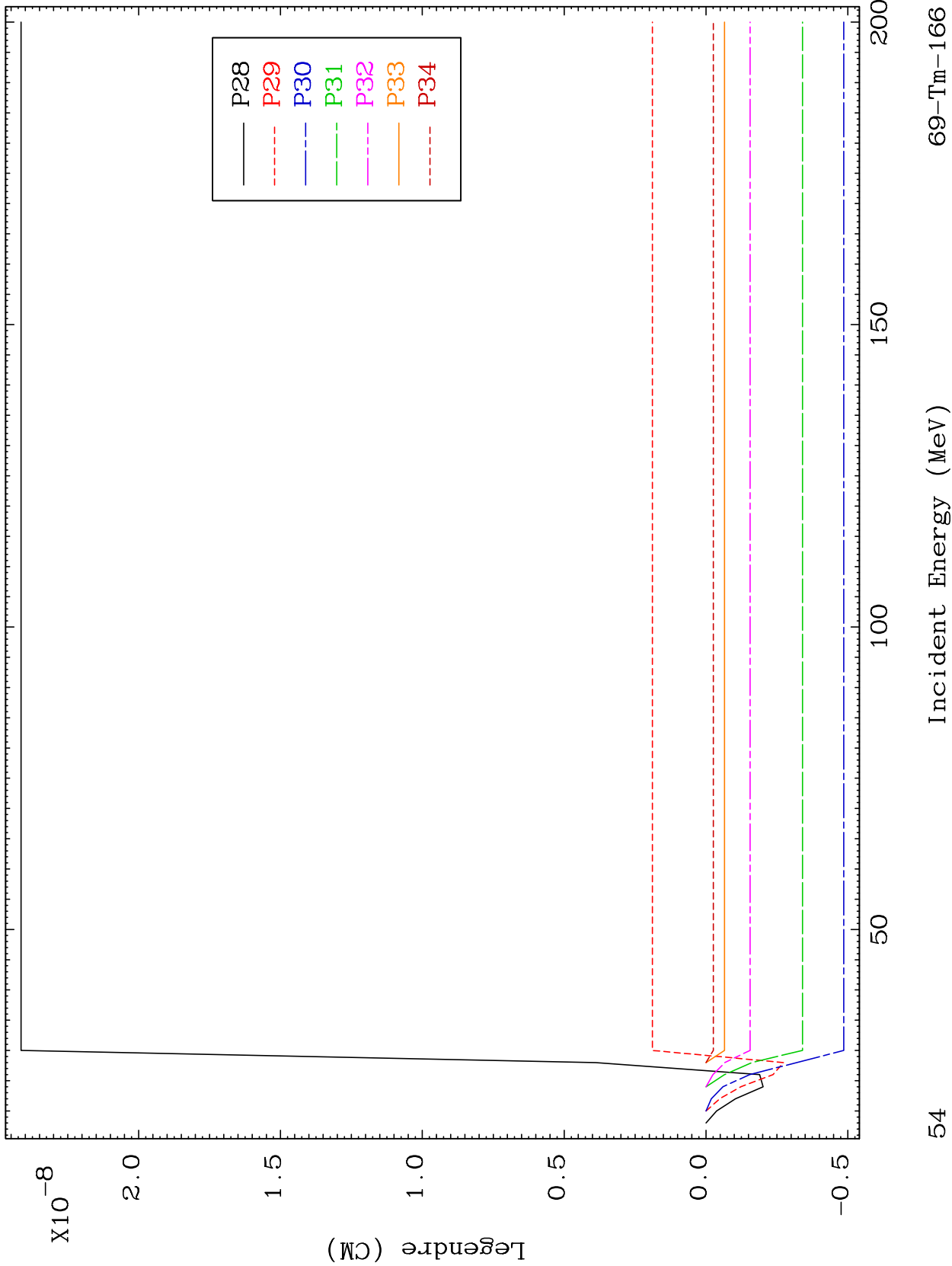


52

Incident Energy (MeV)

69-Tm-166

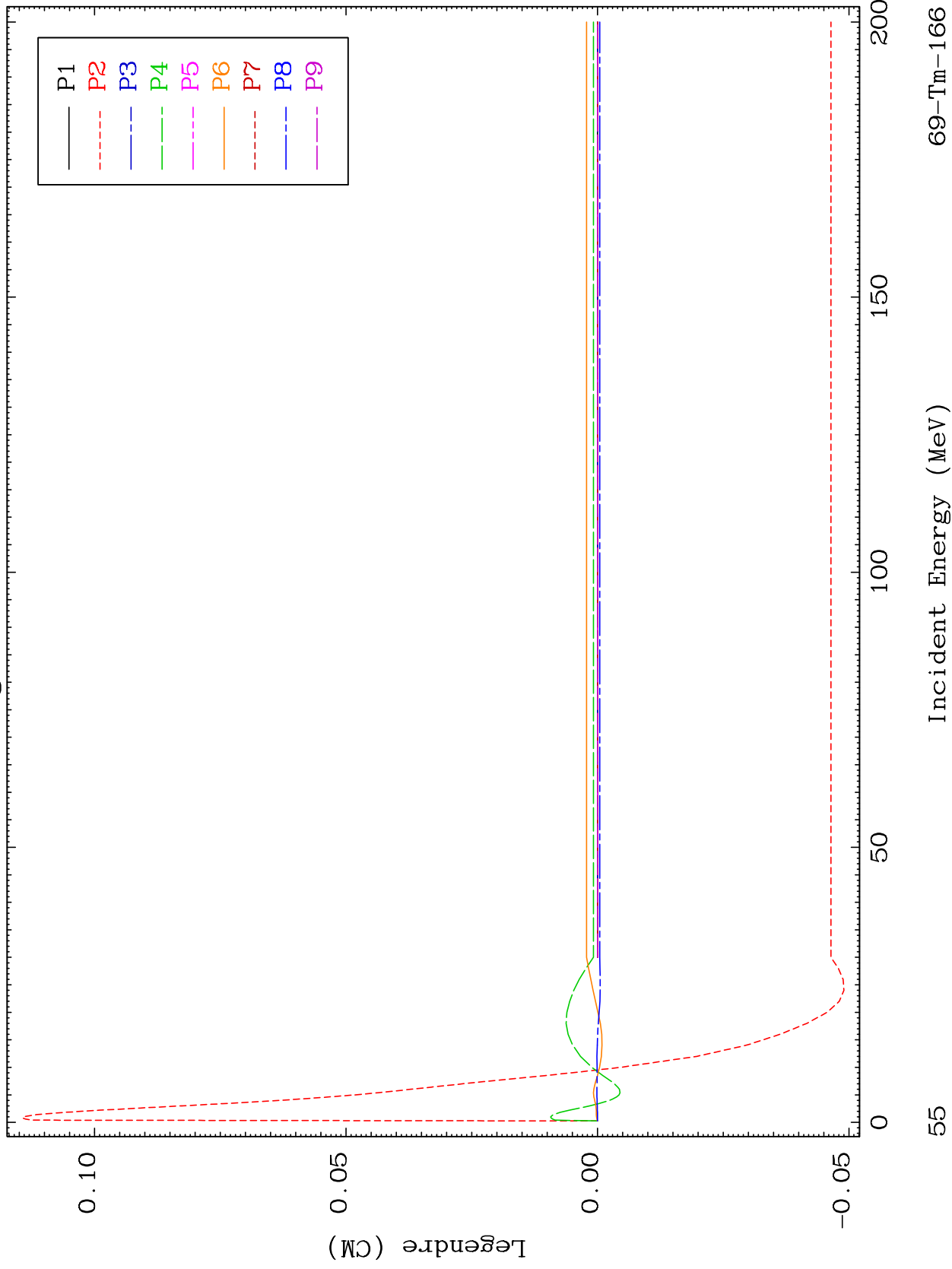




MAT 6916

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

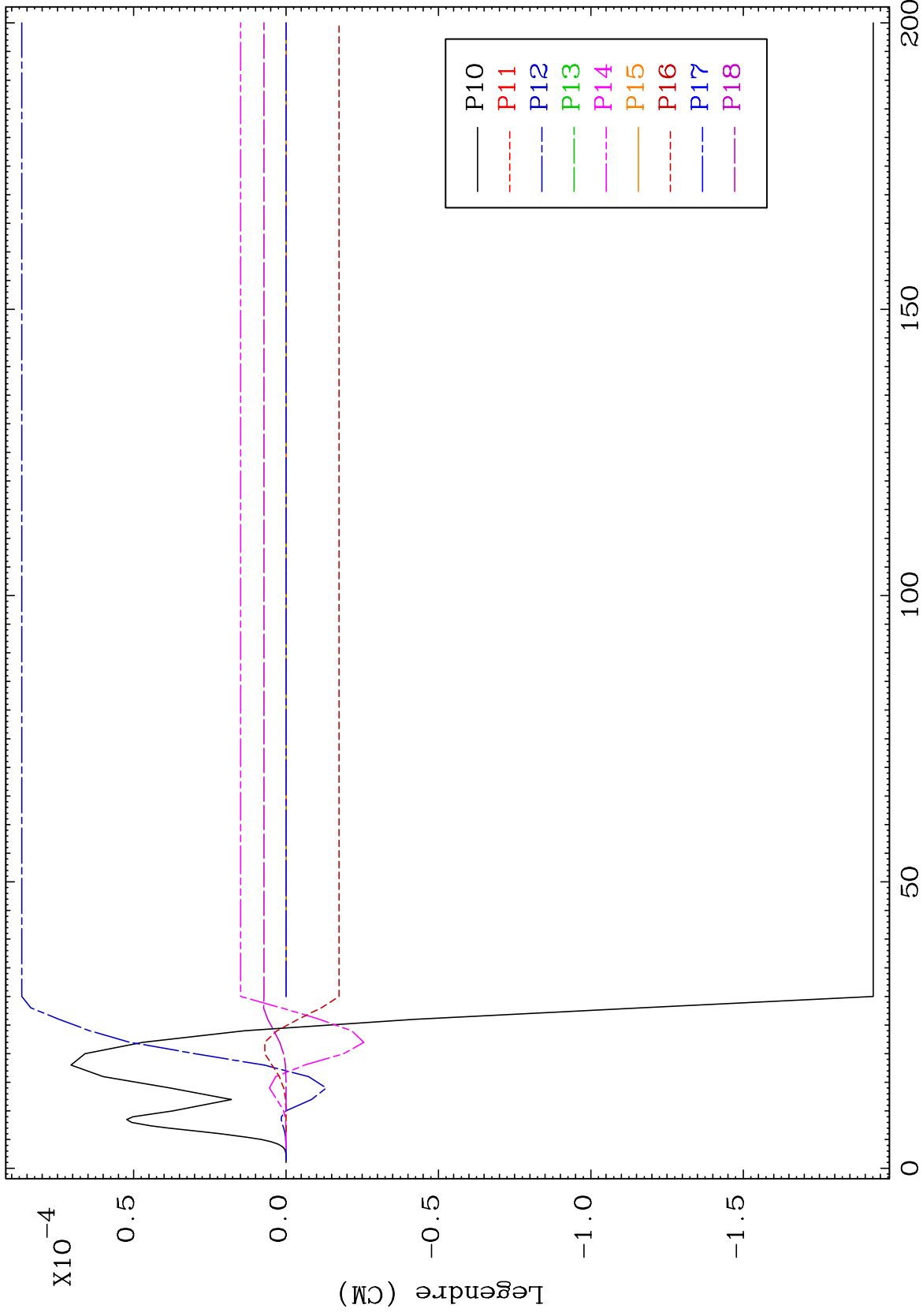
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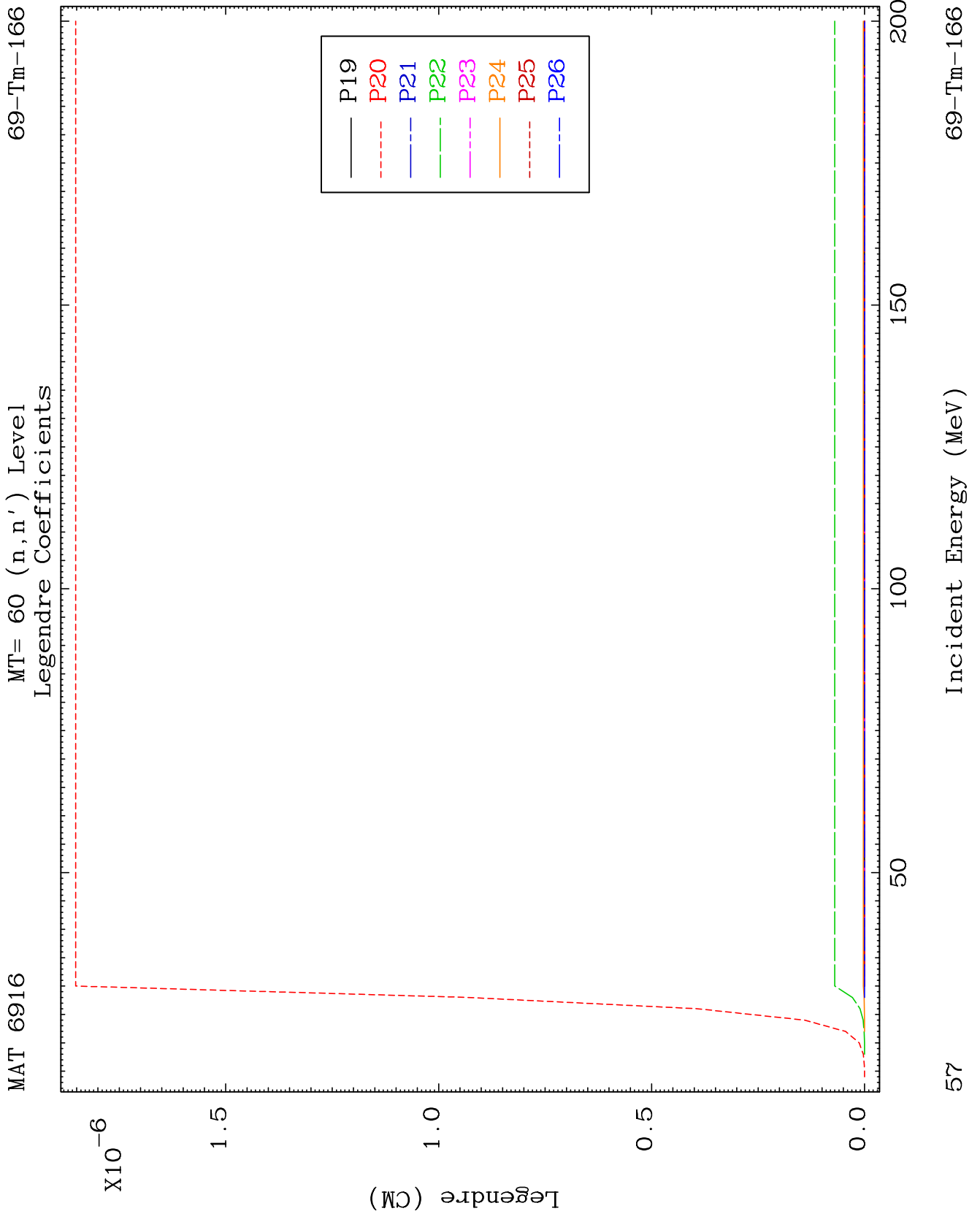


69-Tm-166

Incident Energy (MeV)

55

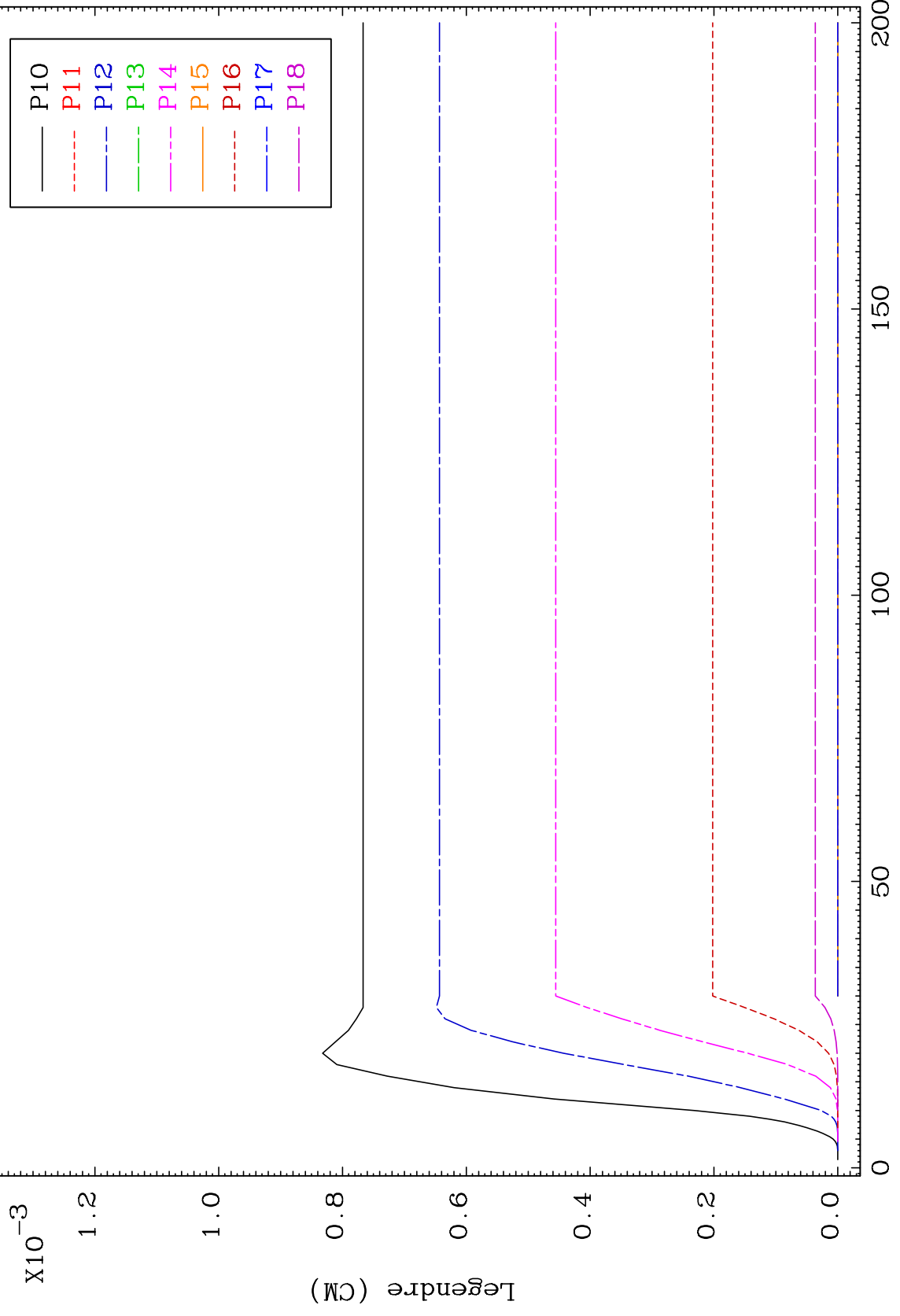




MAT 6916

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

69-Tm-166



59

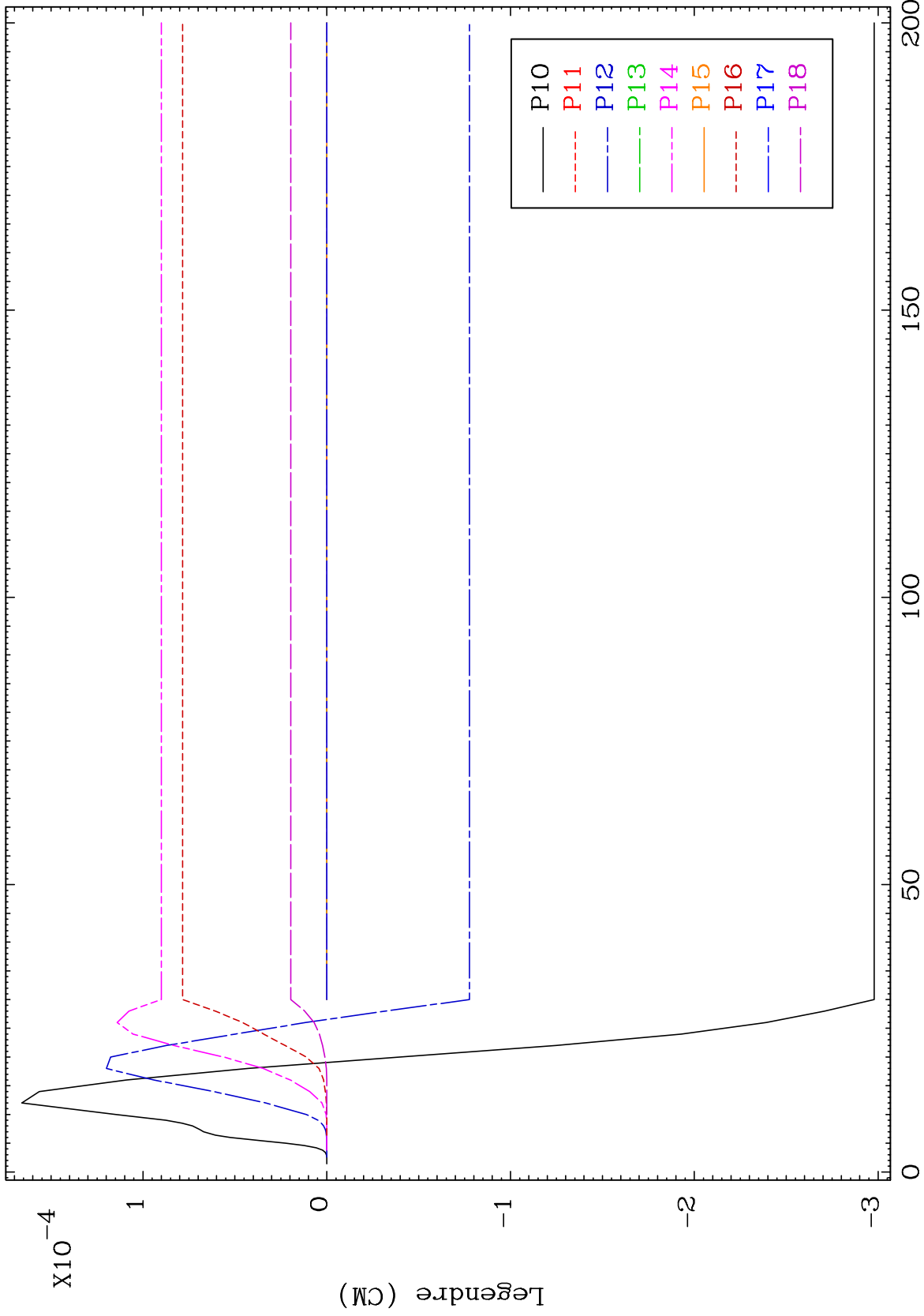
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

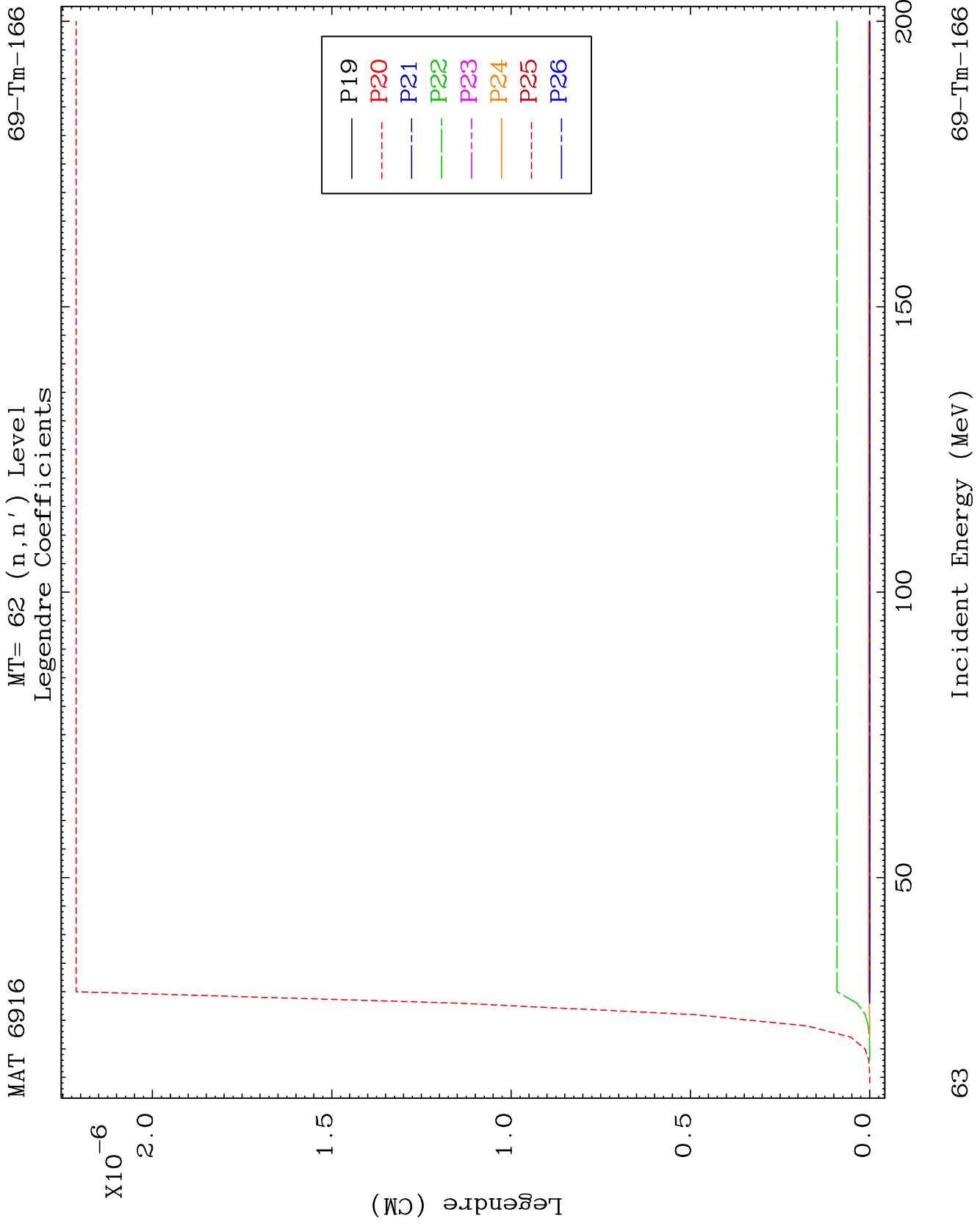
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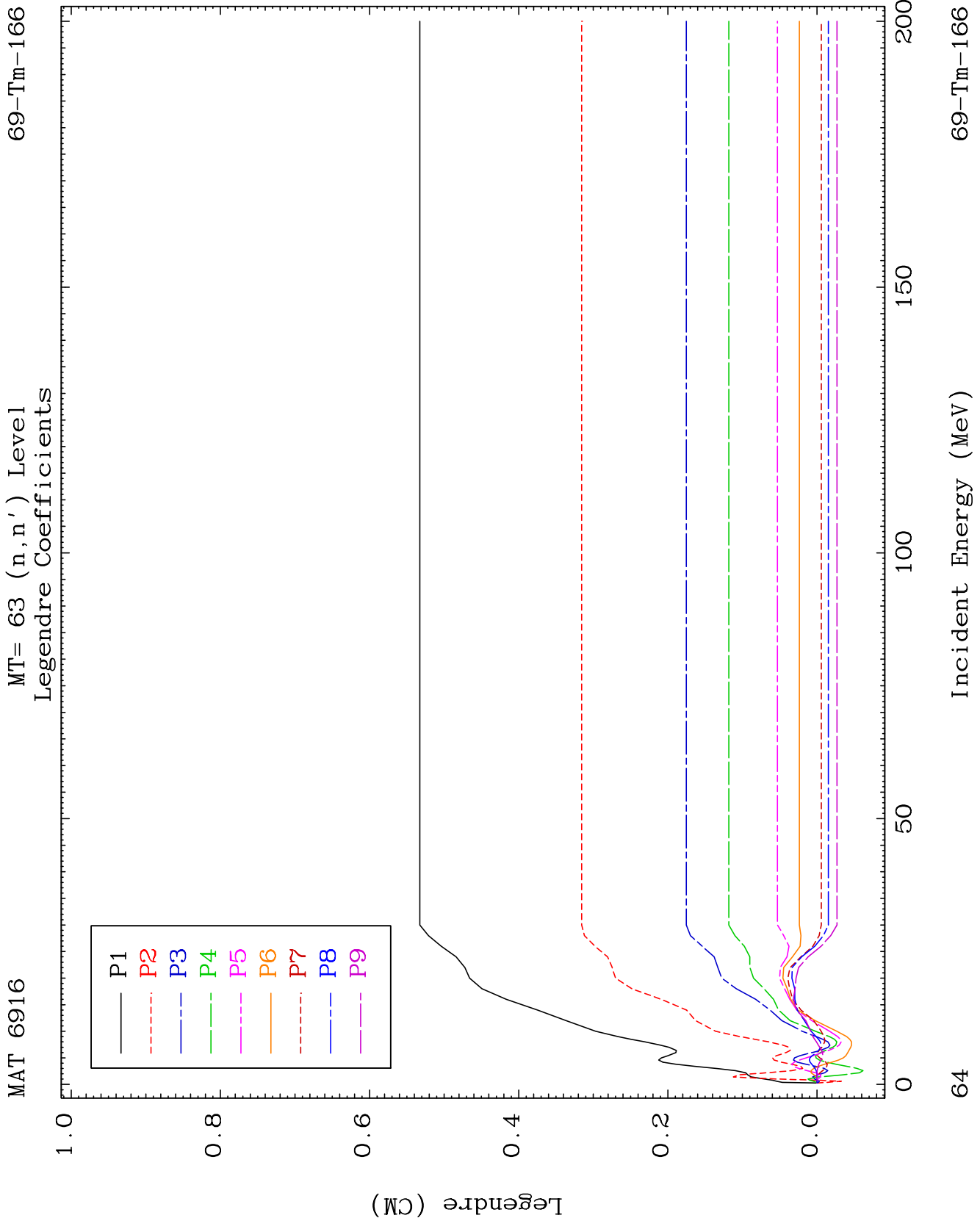


62

Incident Energy (MeV)

69-Tm-166

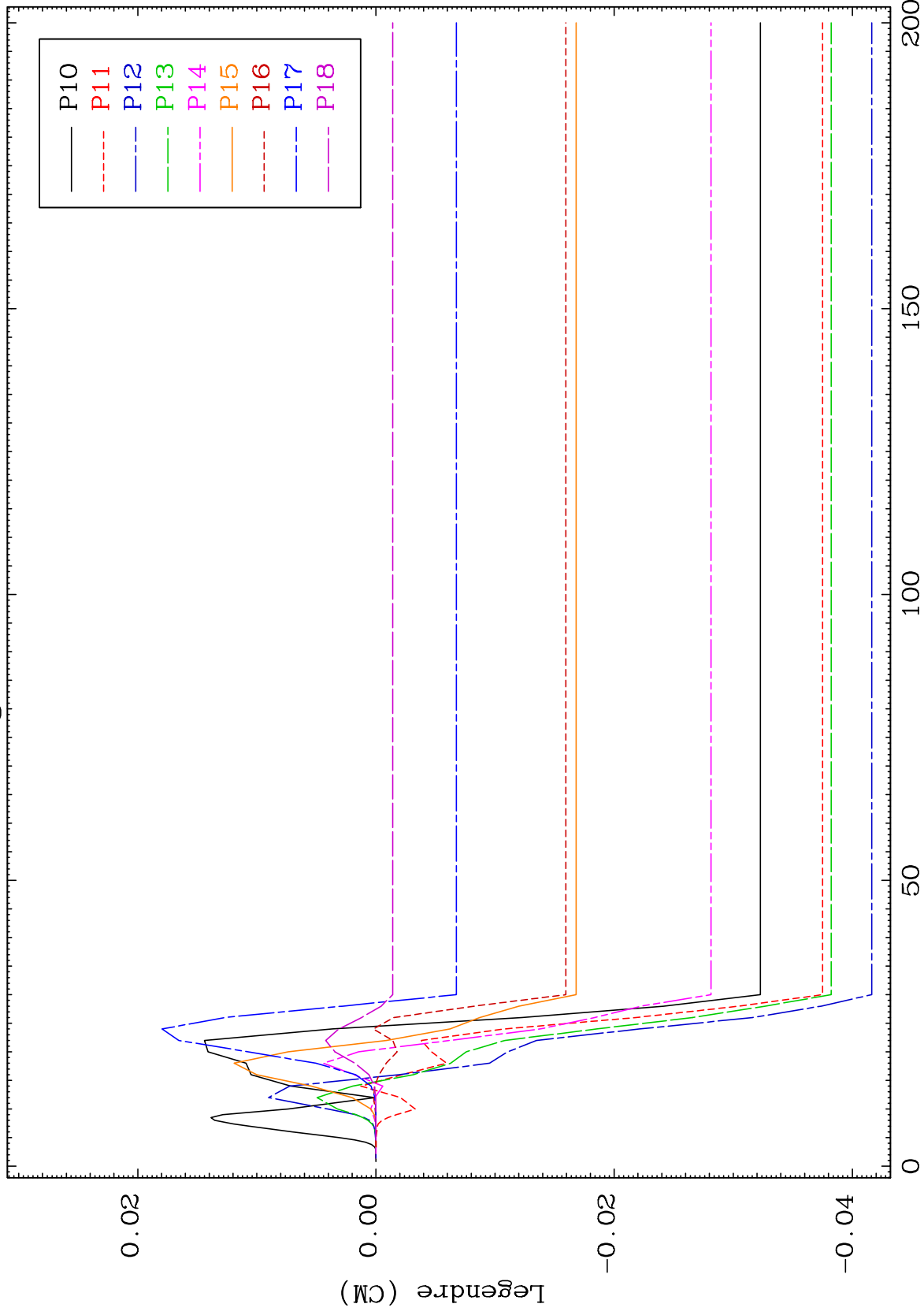




MAT 6916

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

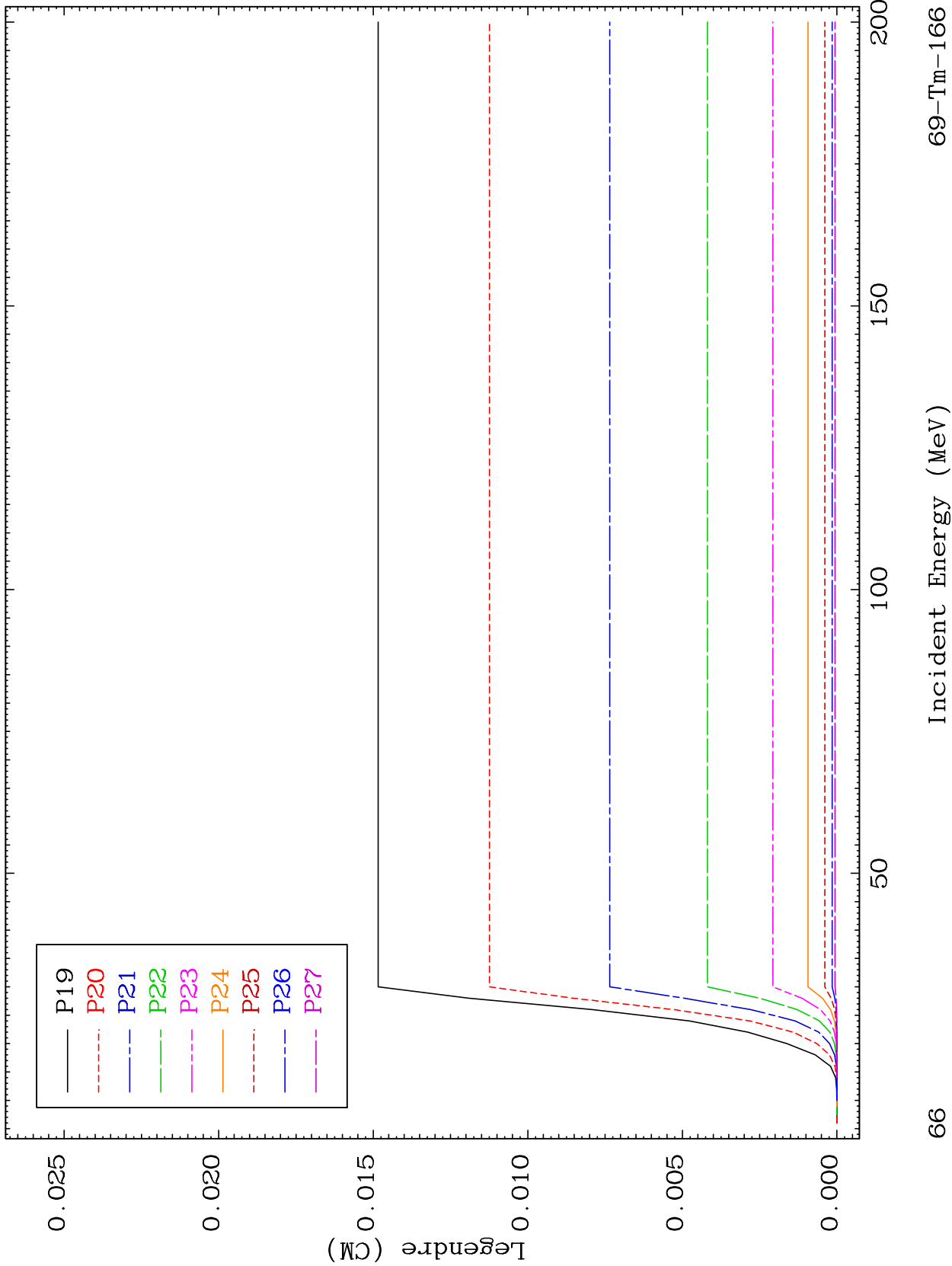
69-Tm-166



65

Incident Energy (MeV)

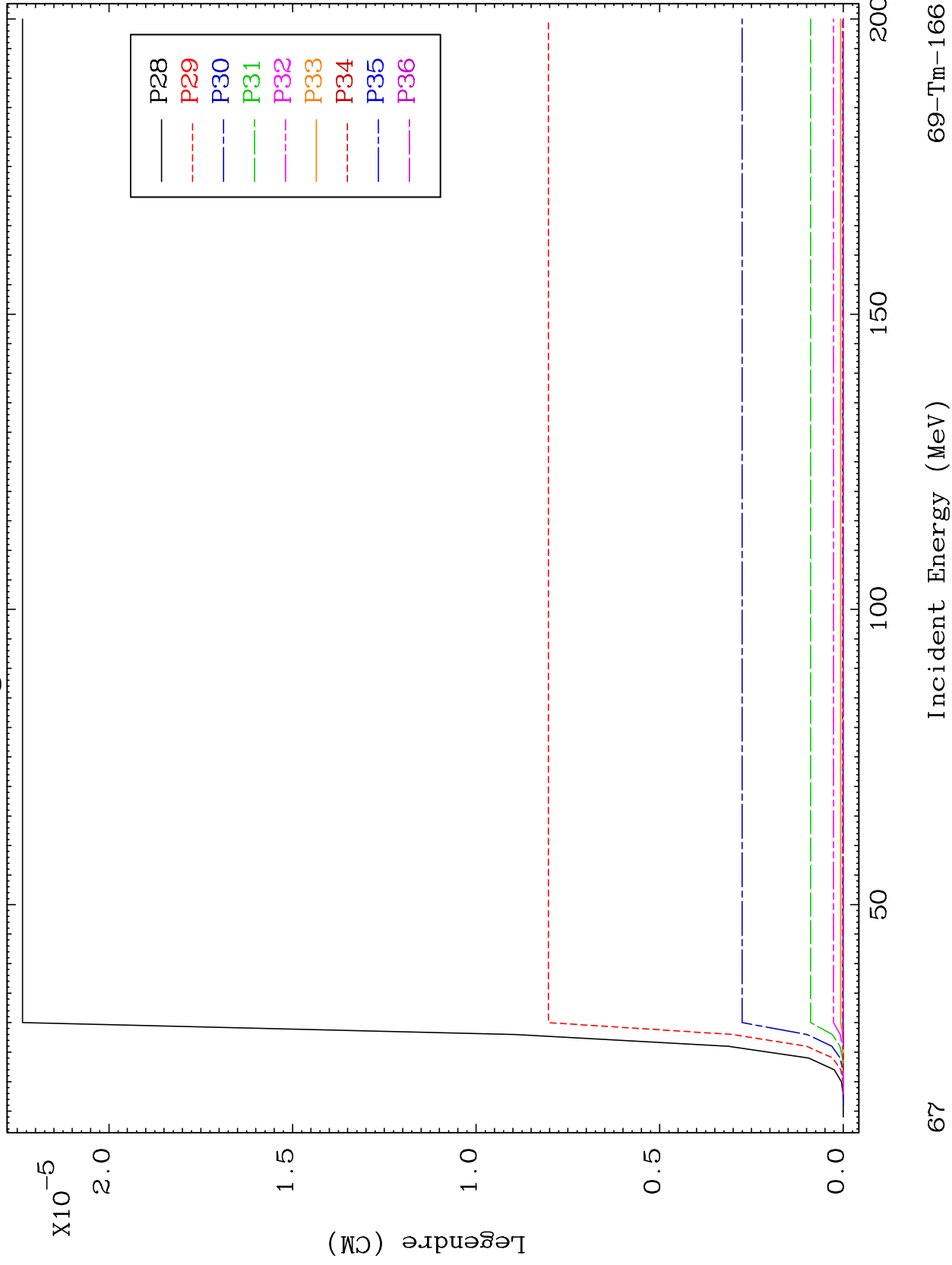
69-Tm-166



MAT 6916

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

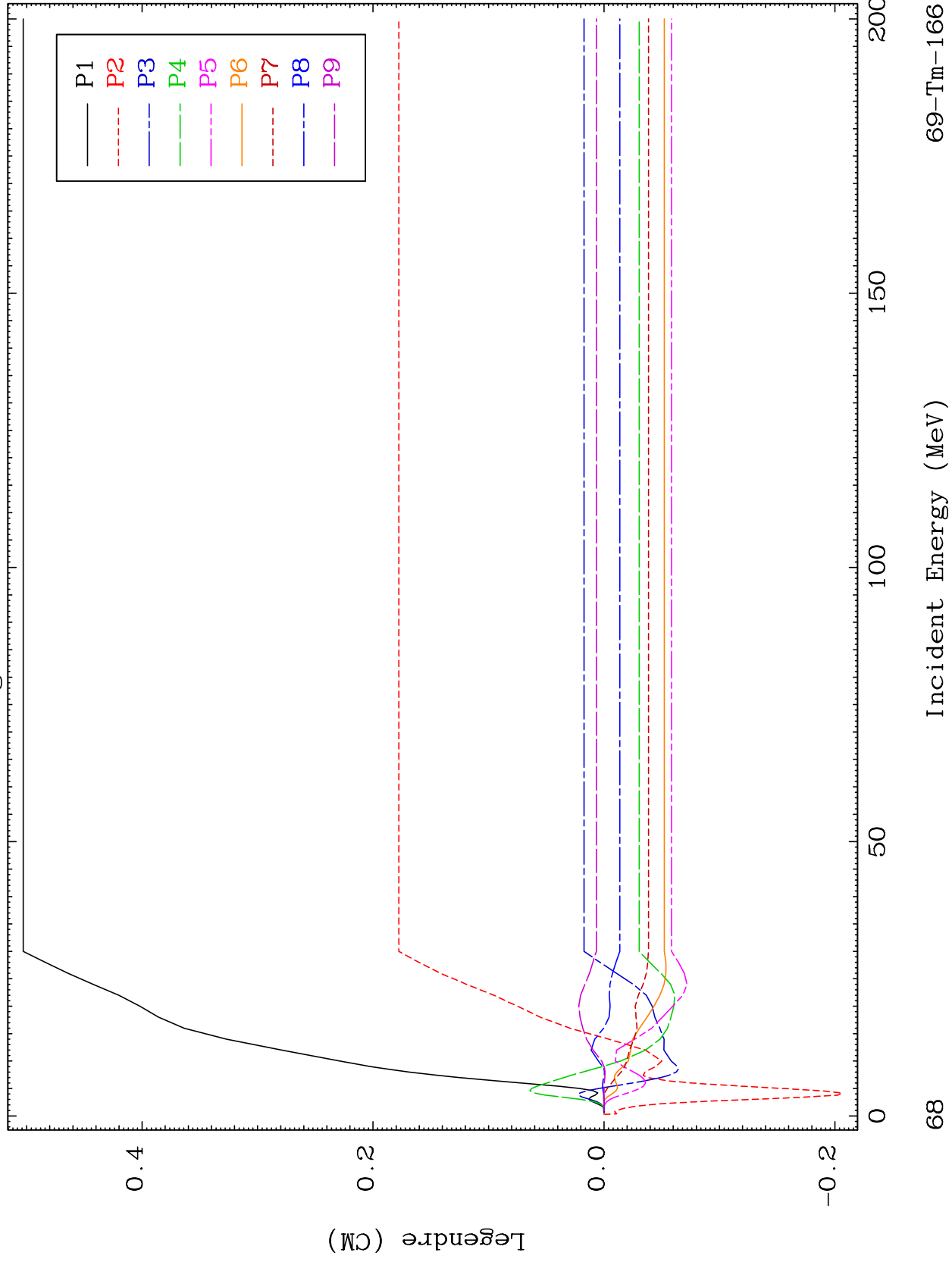
69-Tm-166



MAT 6916

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

69-Tm-166



69-Tm-166

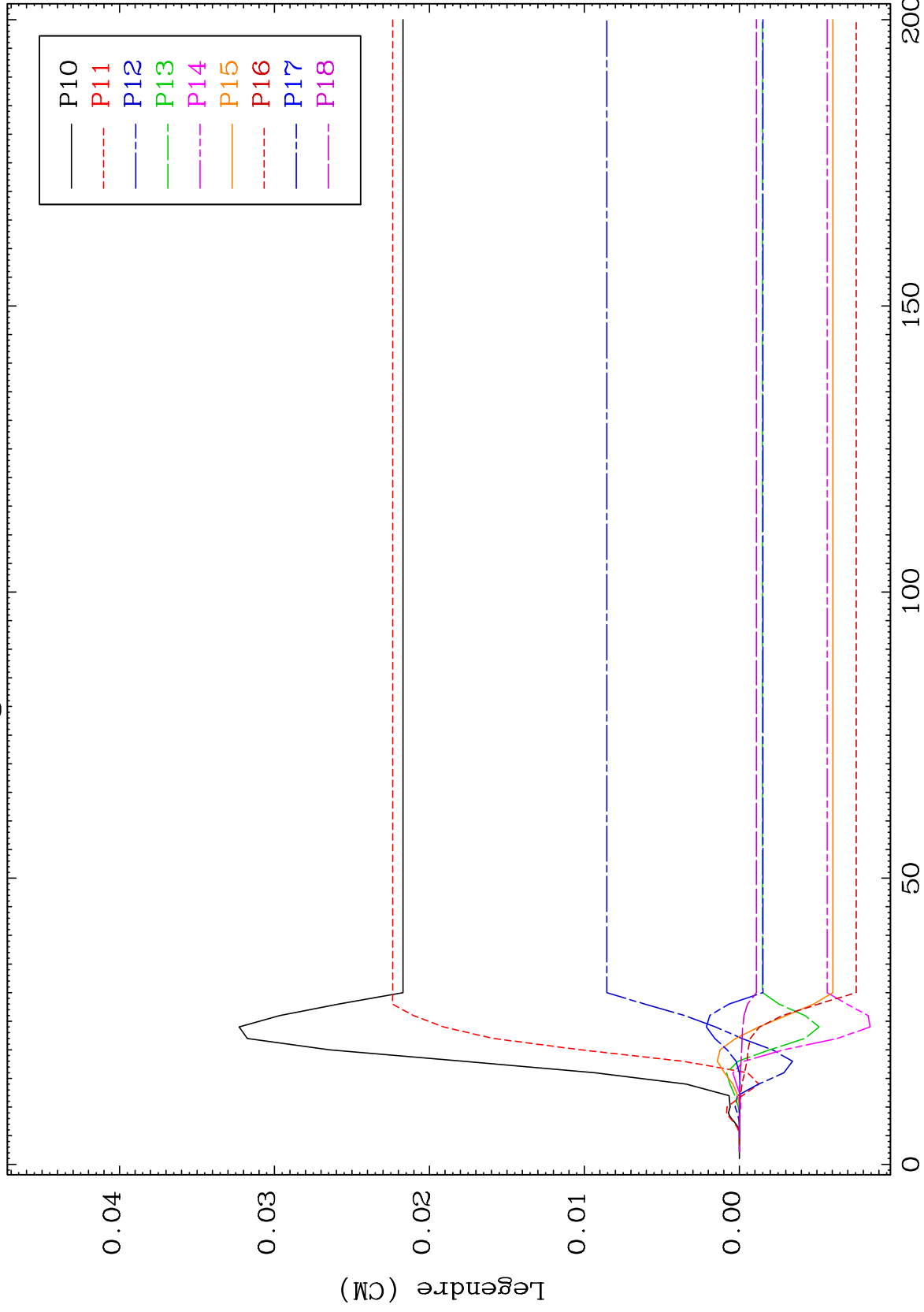
Incident Energy (MeV)

68

MAT 6916

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

69-Tm-166



69

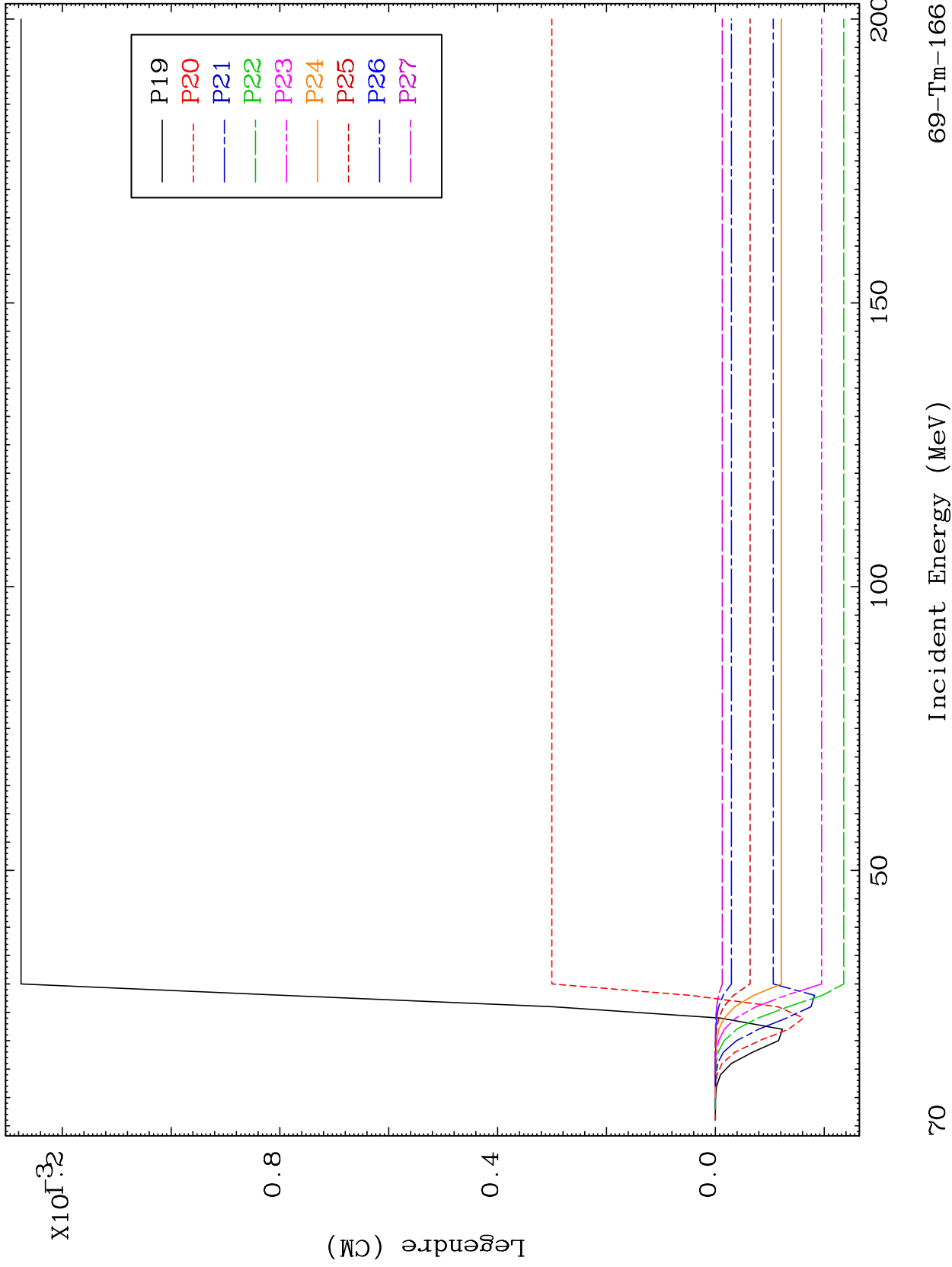
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

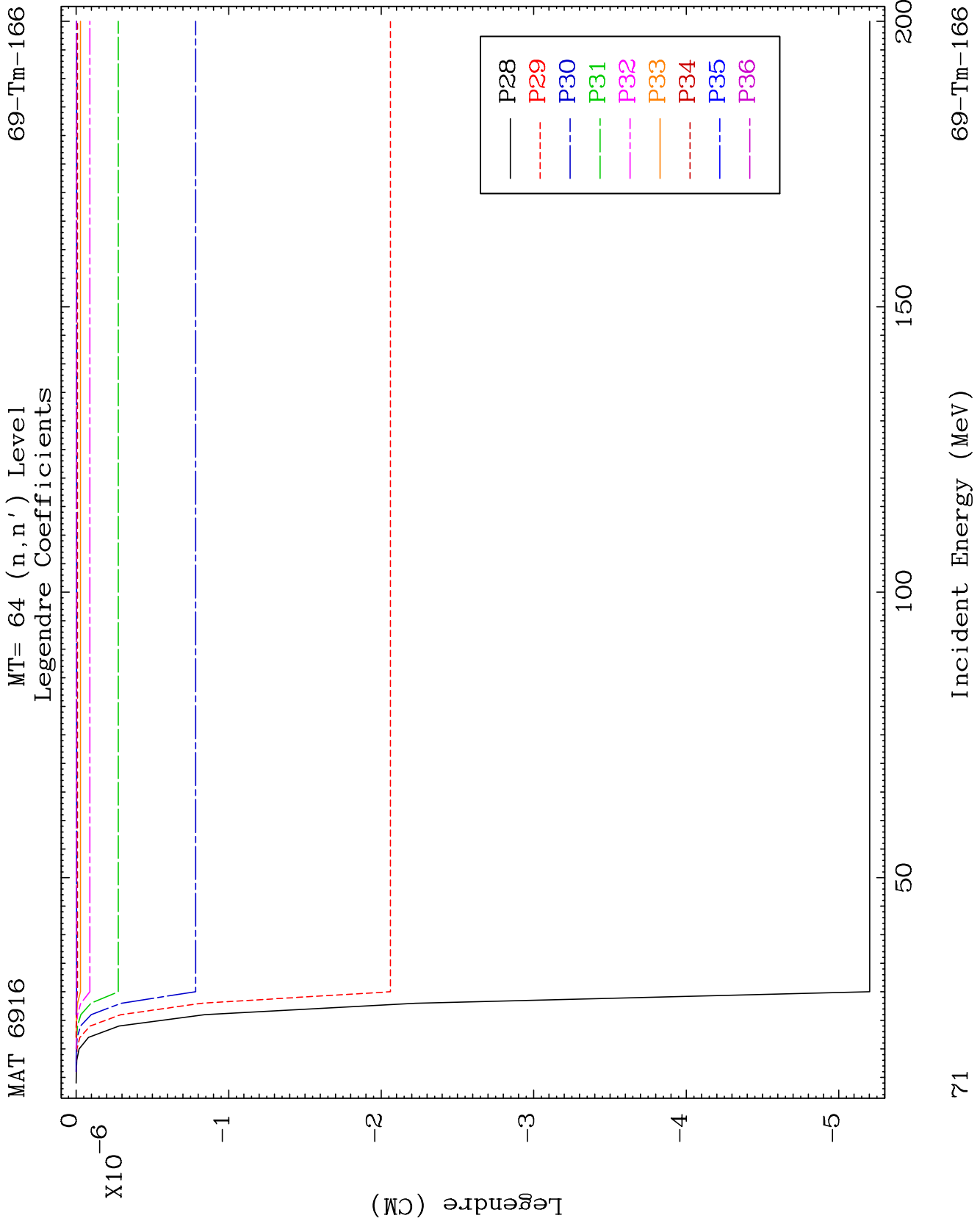
69-Tm-166



70

Incident Energy (MeV)

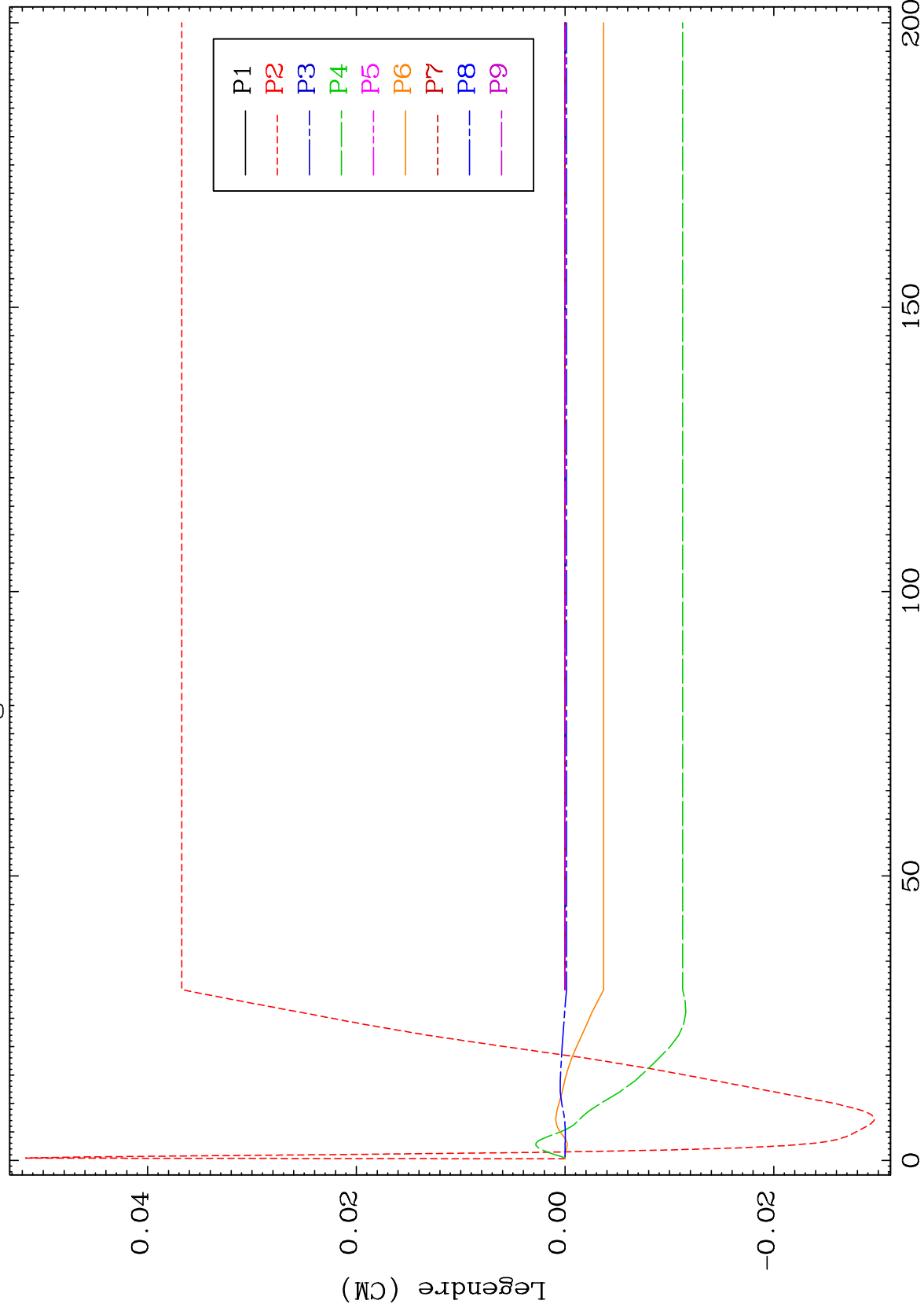
69-Tm-166



MAT 6916

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

69-Tm-166



72

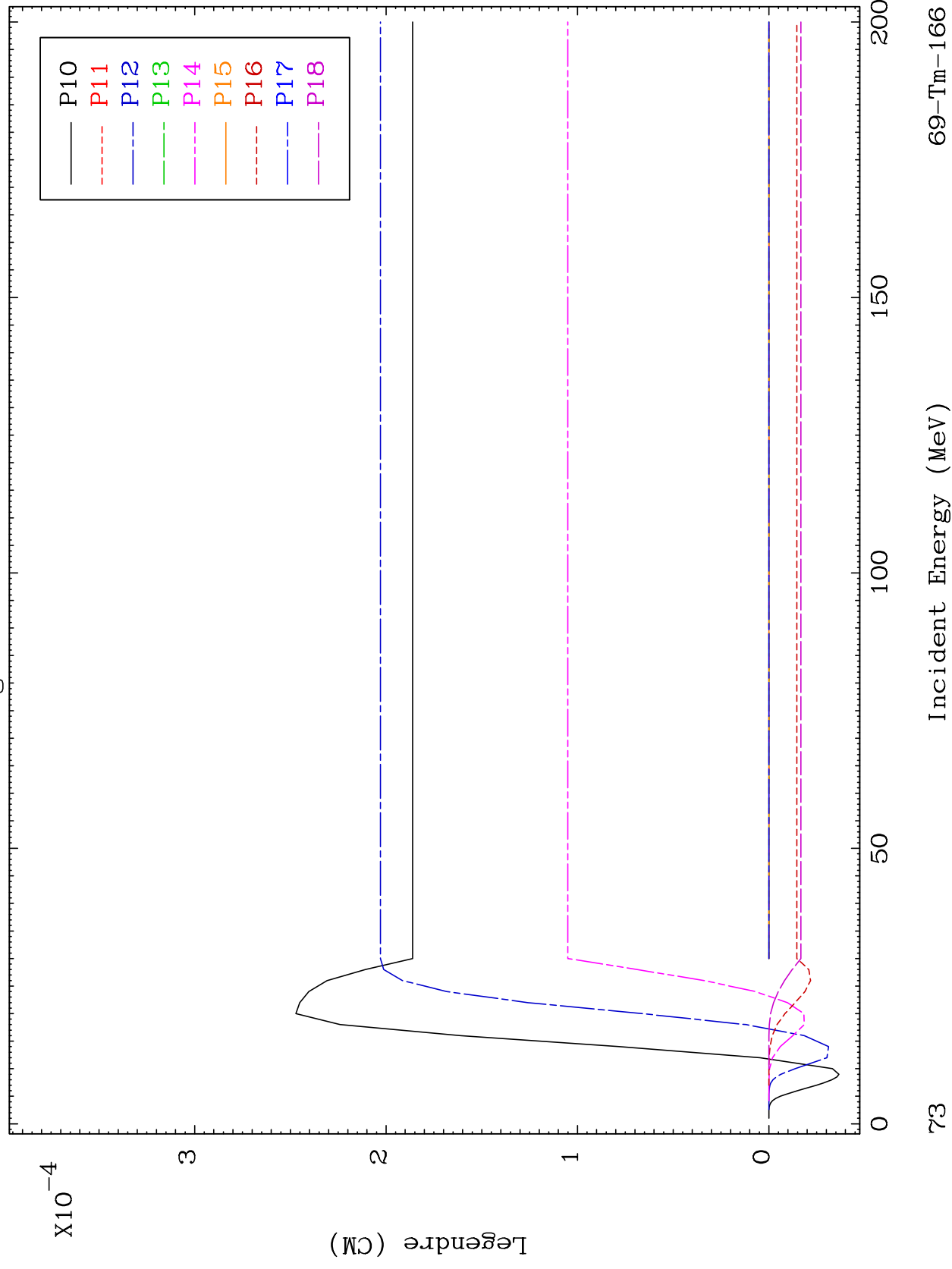
Incident Energy (MeV)

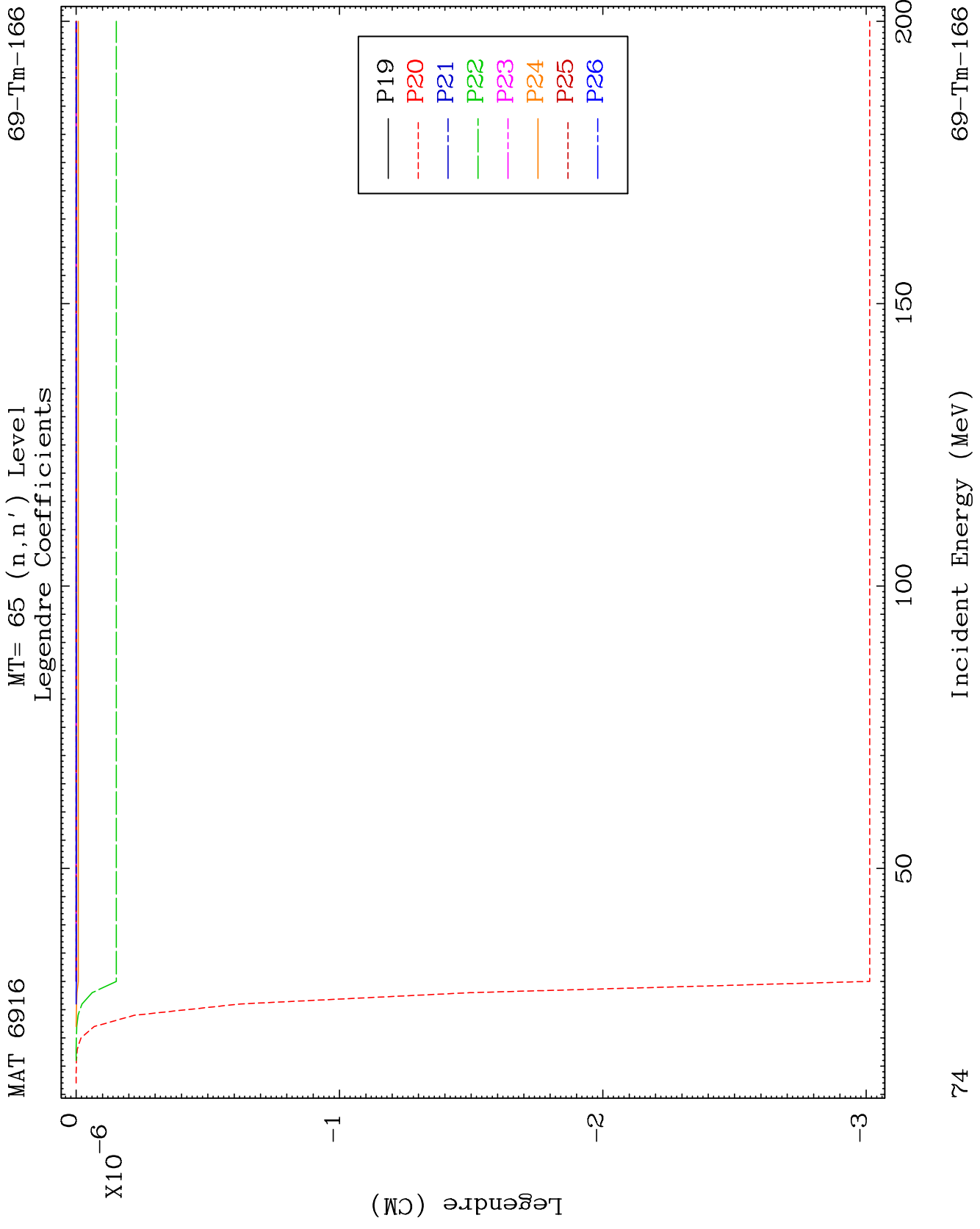
69-Tm-166

MAT 6916

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

69-Tm-166

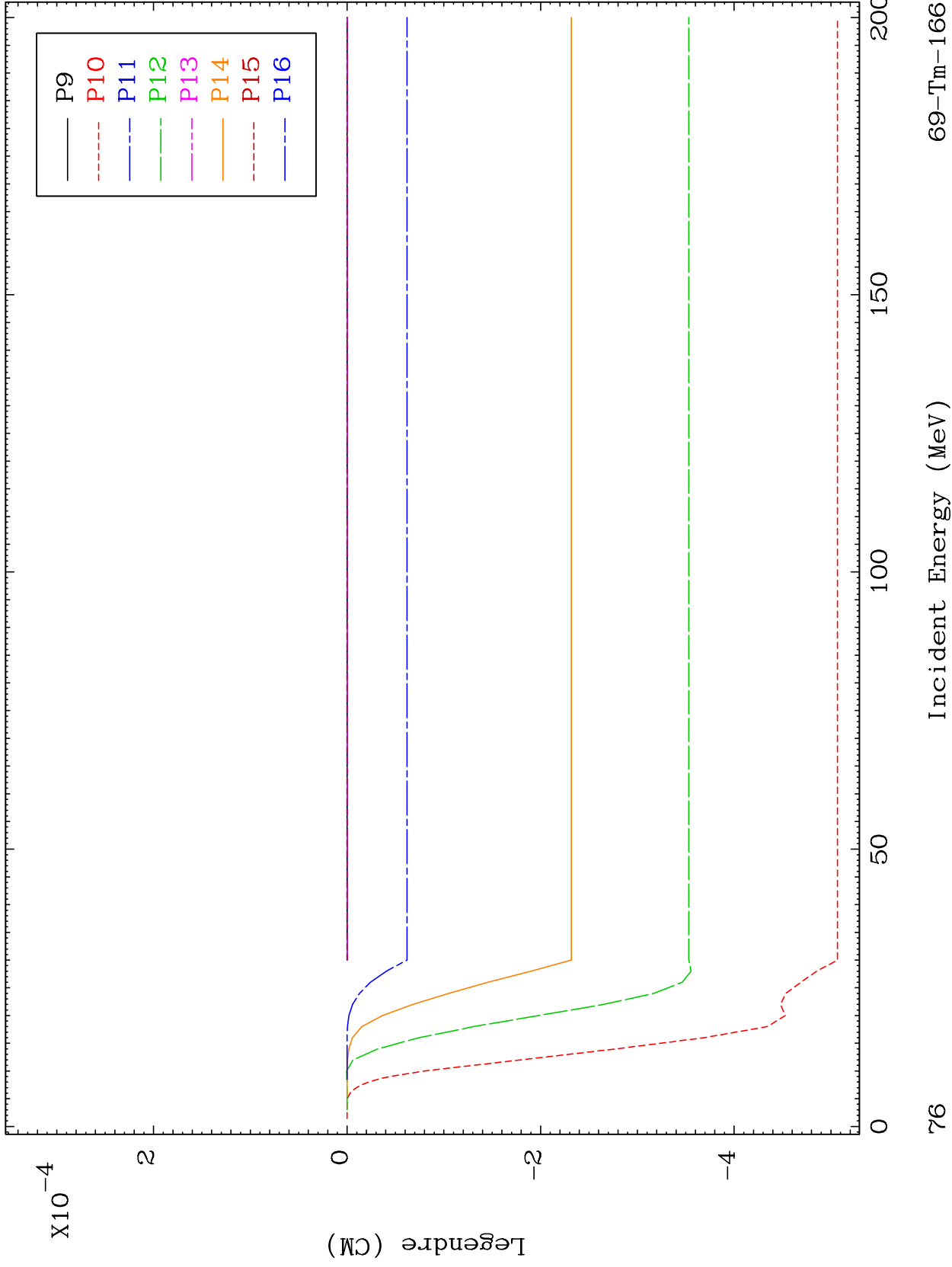




MAT 6916

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

69-Tm-166



76

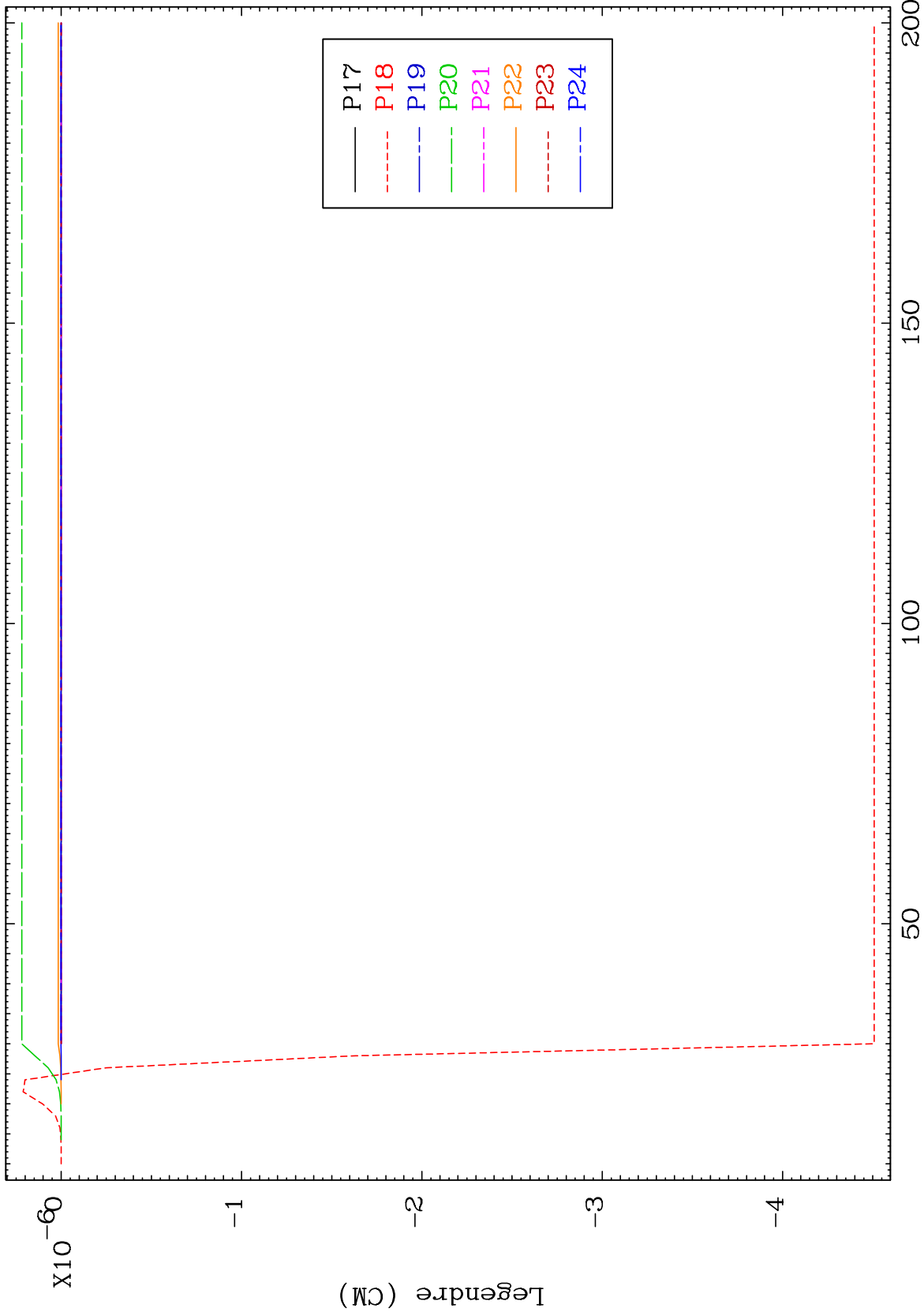
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

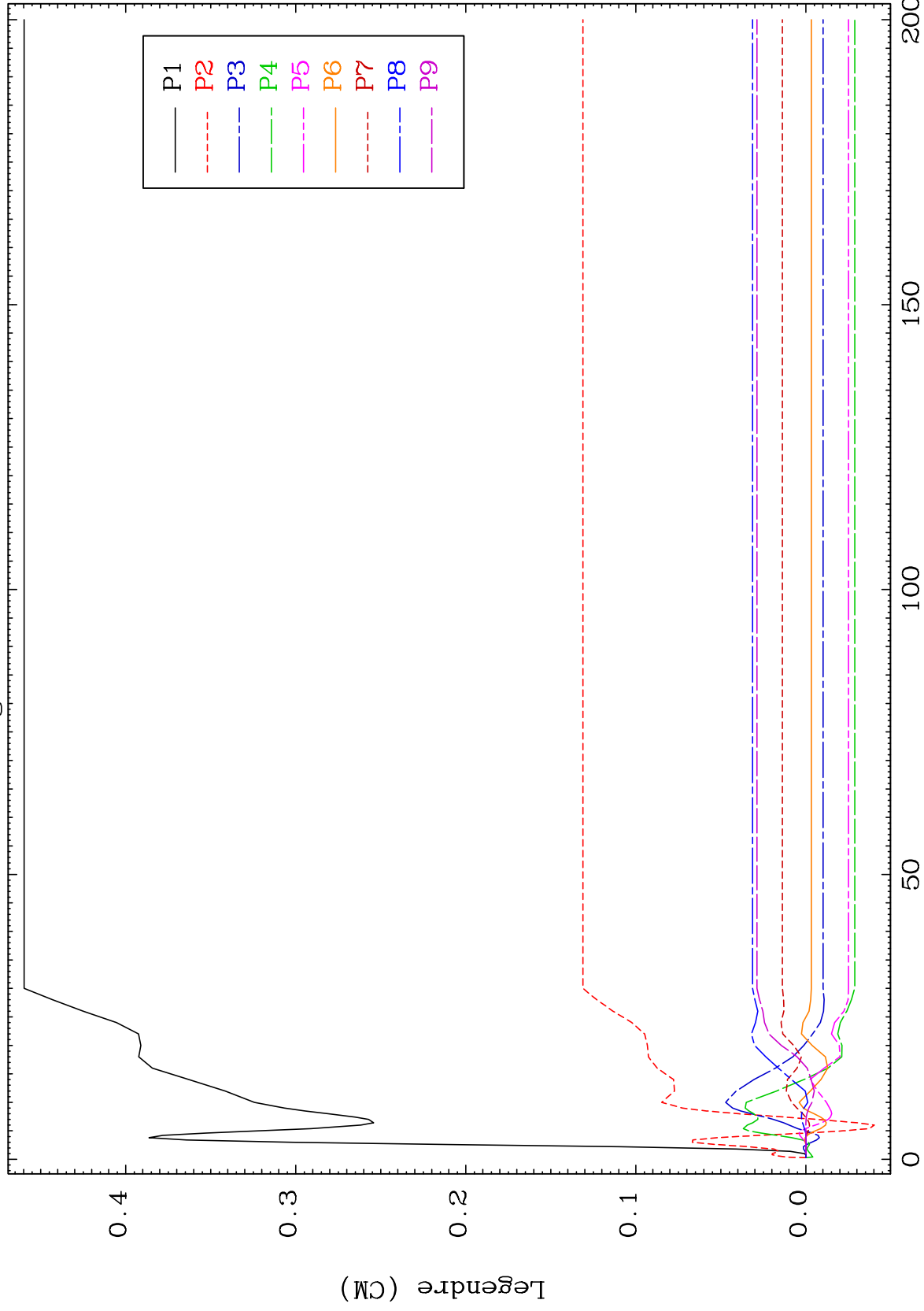
69-Tm-166



MAT 6916

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

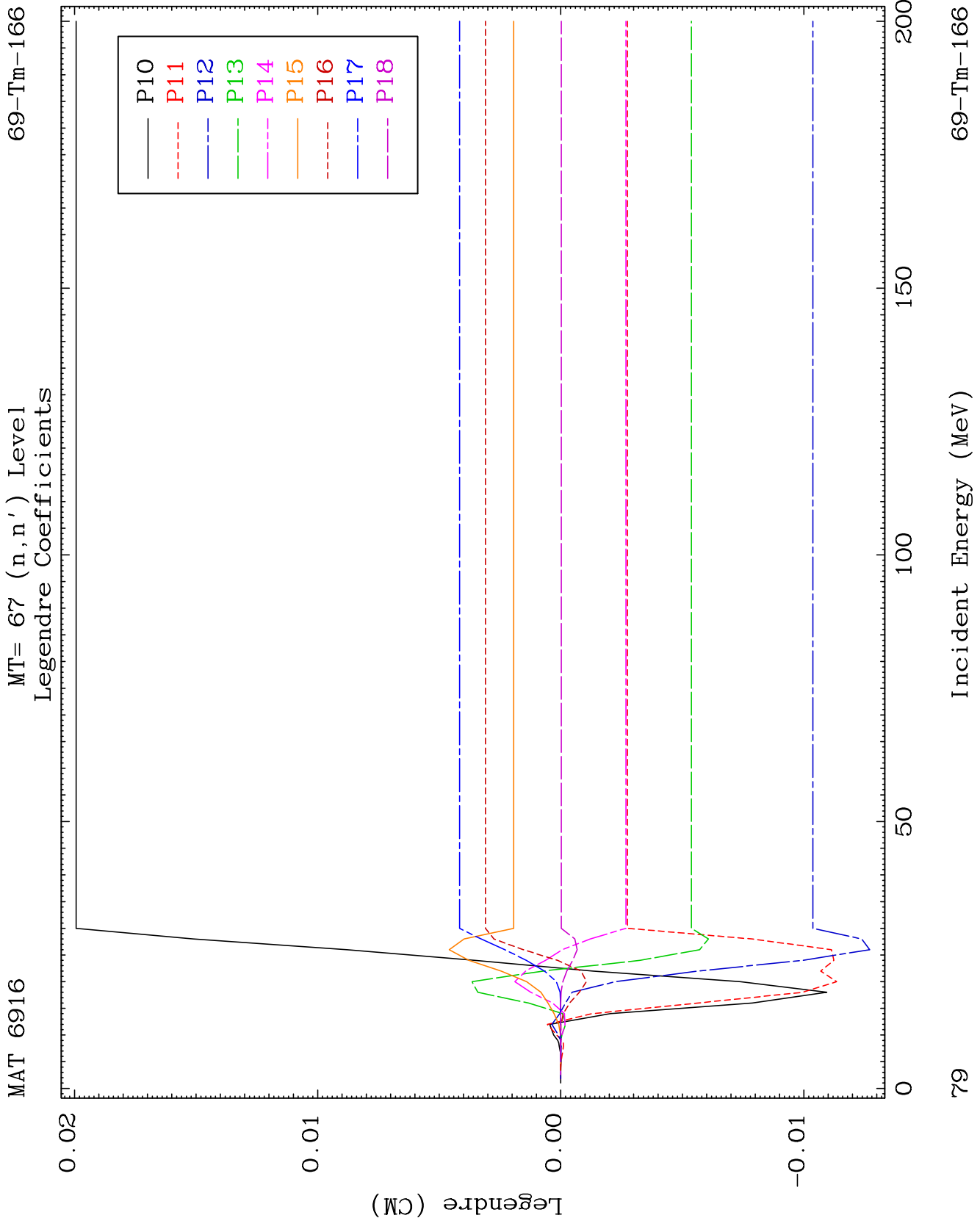
69-Tm-166



78

Incident Energy (MeV)

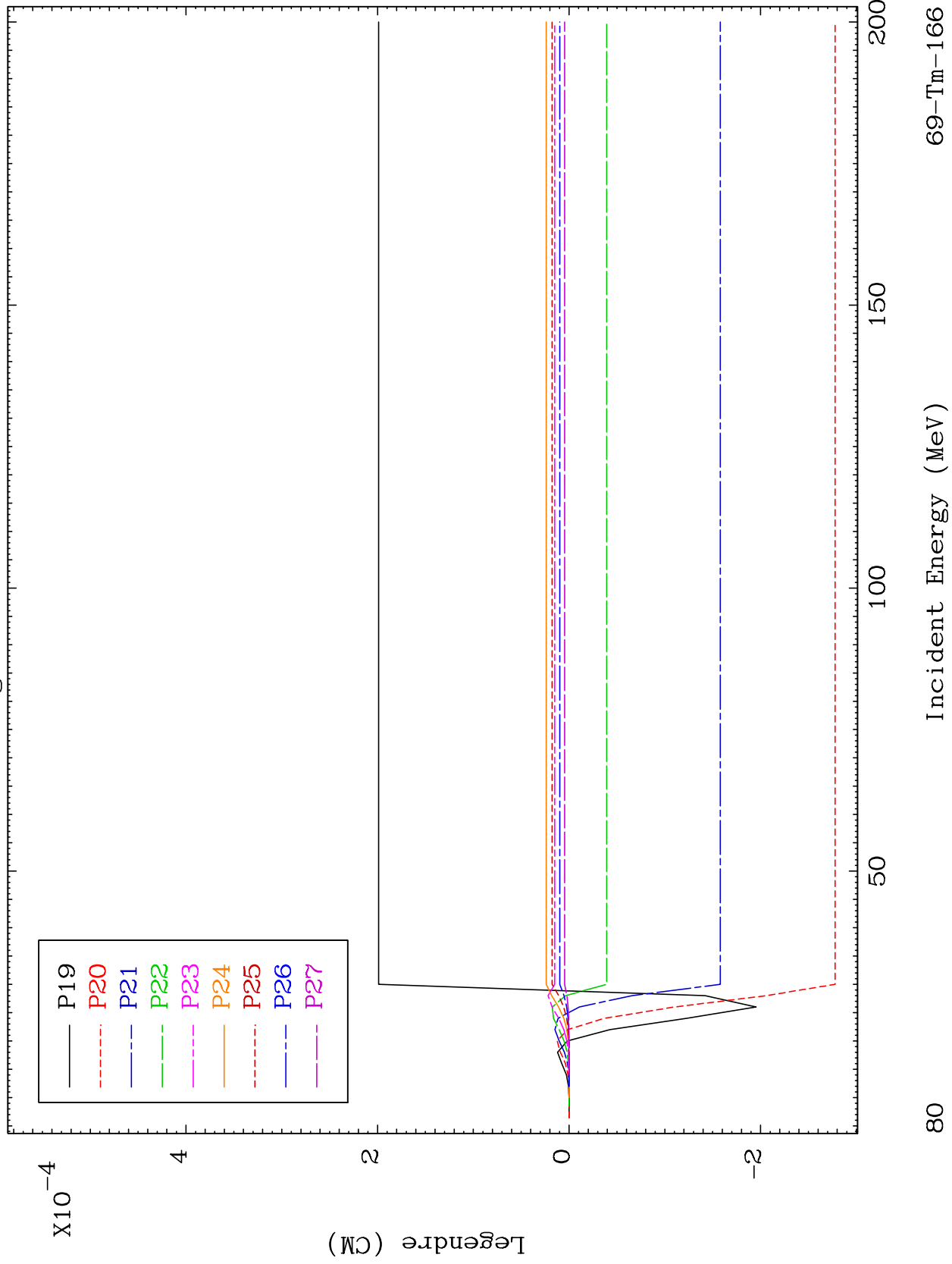
69-Tm-166



MAT 6916

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

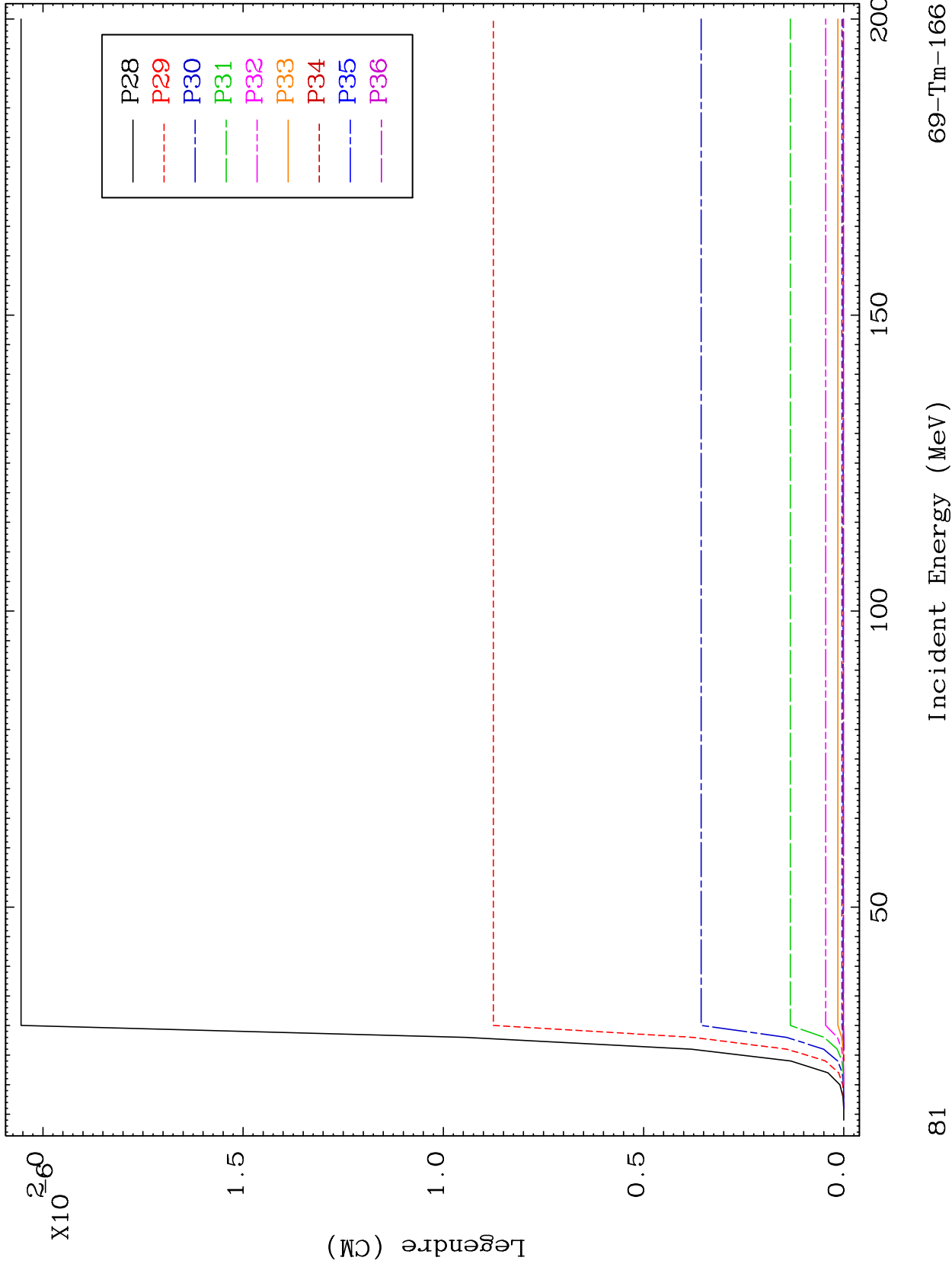
69-Tm-166



MAT 6916

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

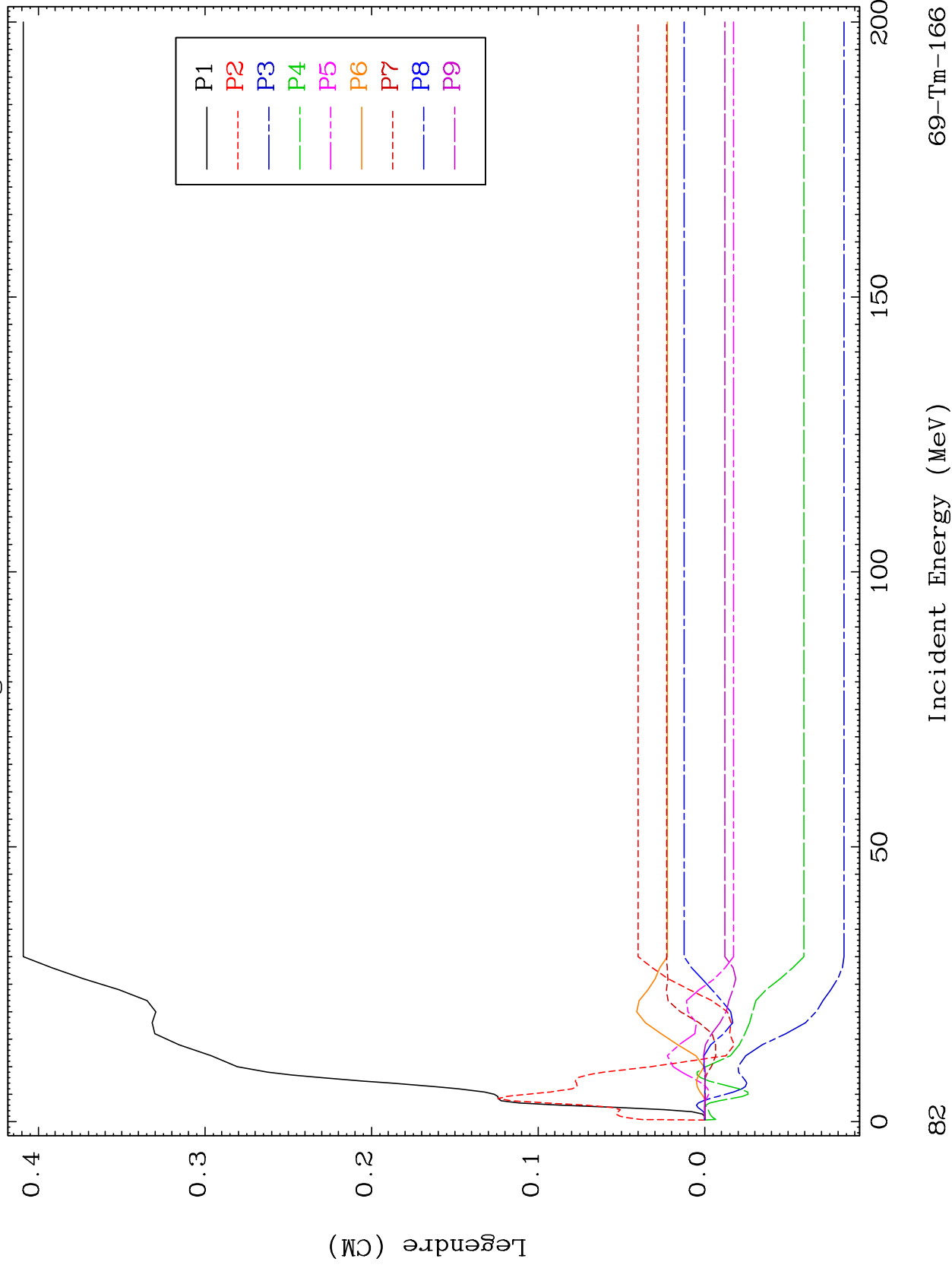
69-Tm-166



MAT 6916

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

69-Tm-166



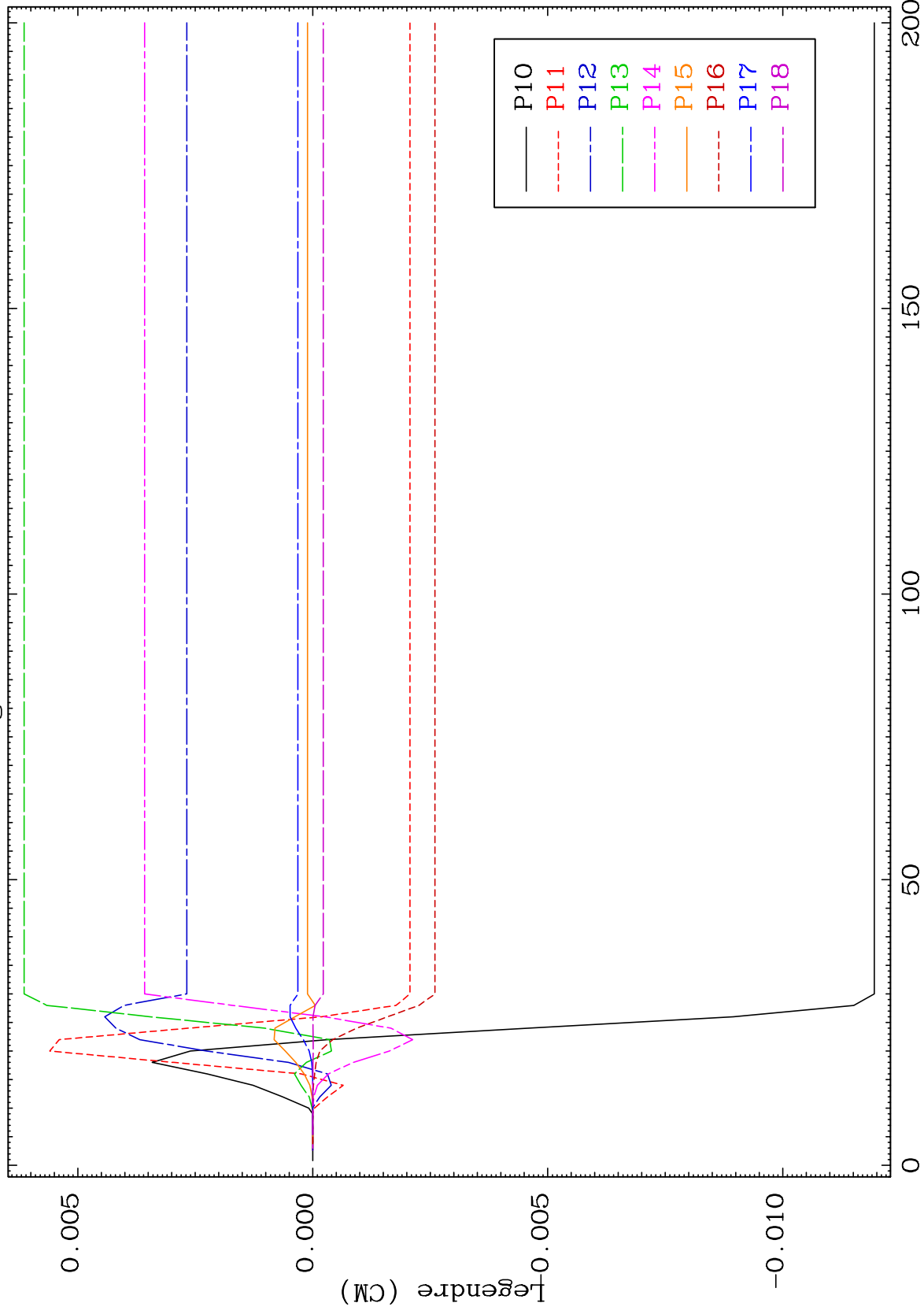
82

69-Tm-166

MAT 6916

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

69-Tm-166



83

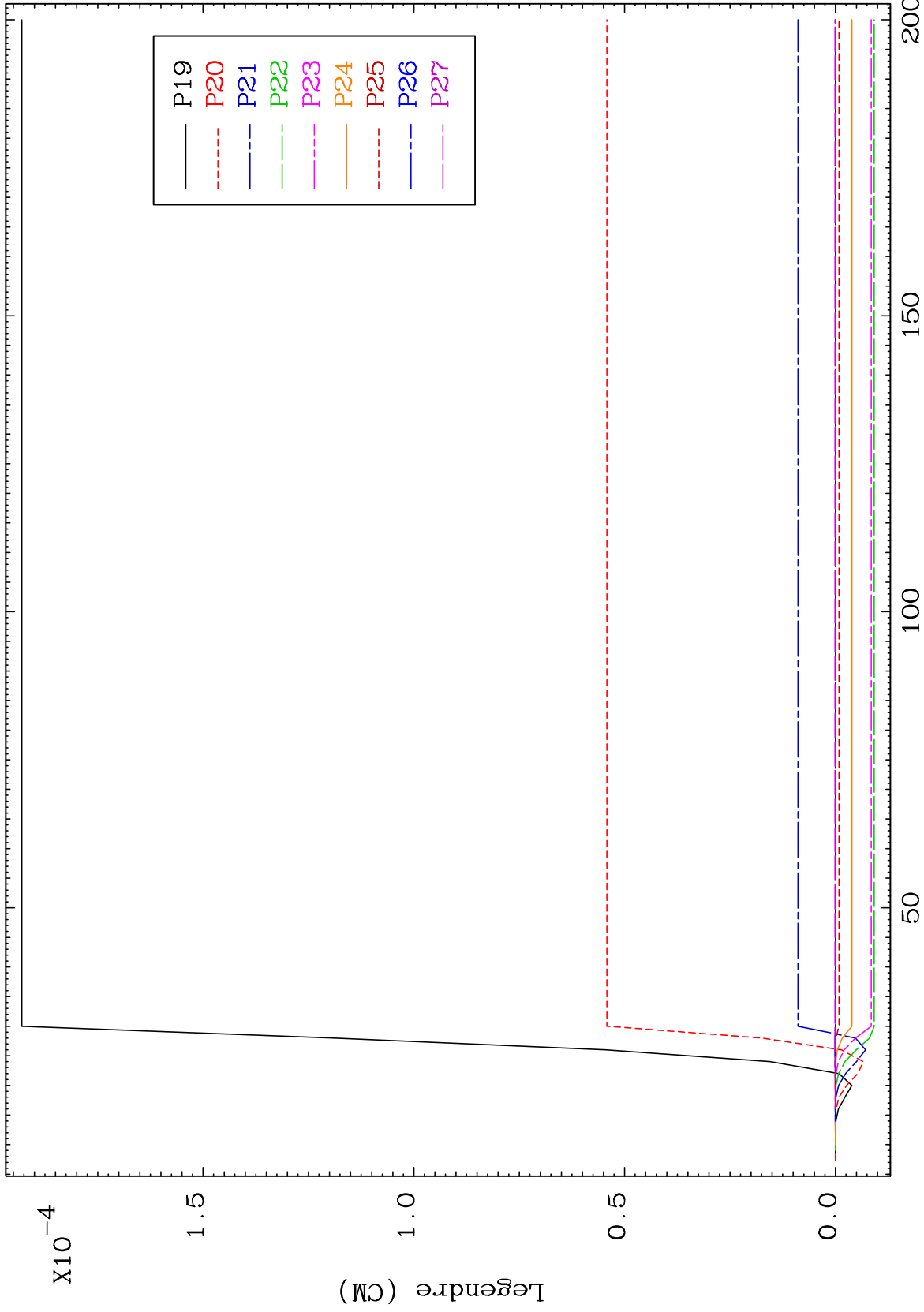
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



84

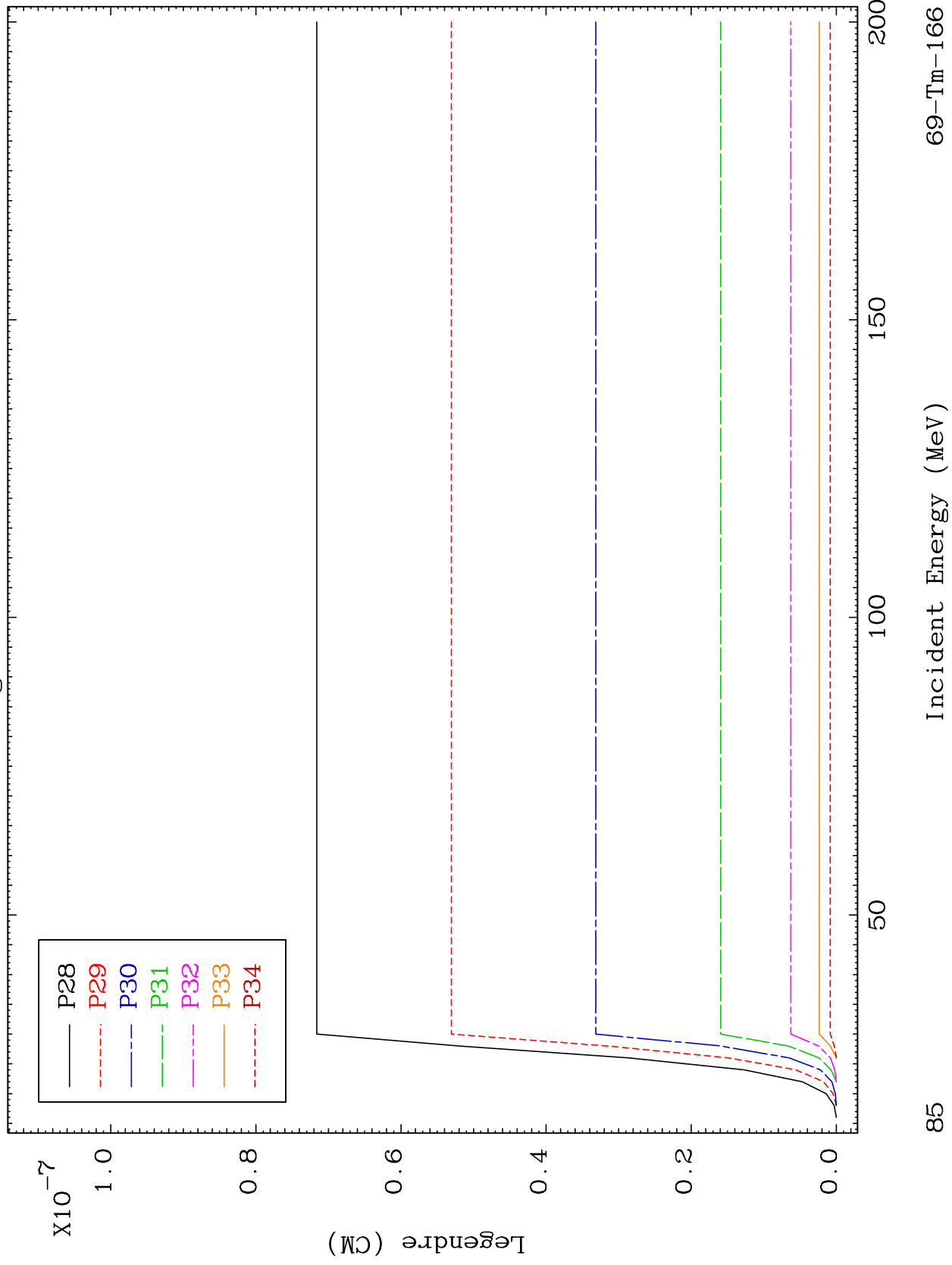
Incident Energy (MeV)

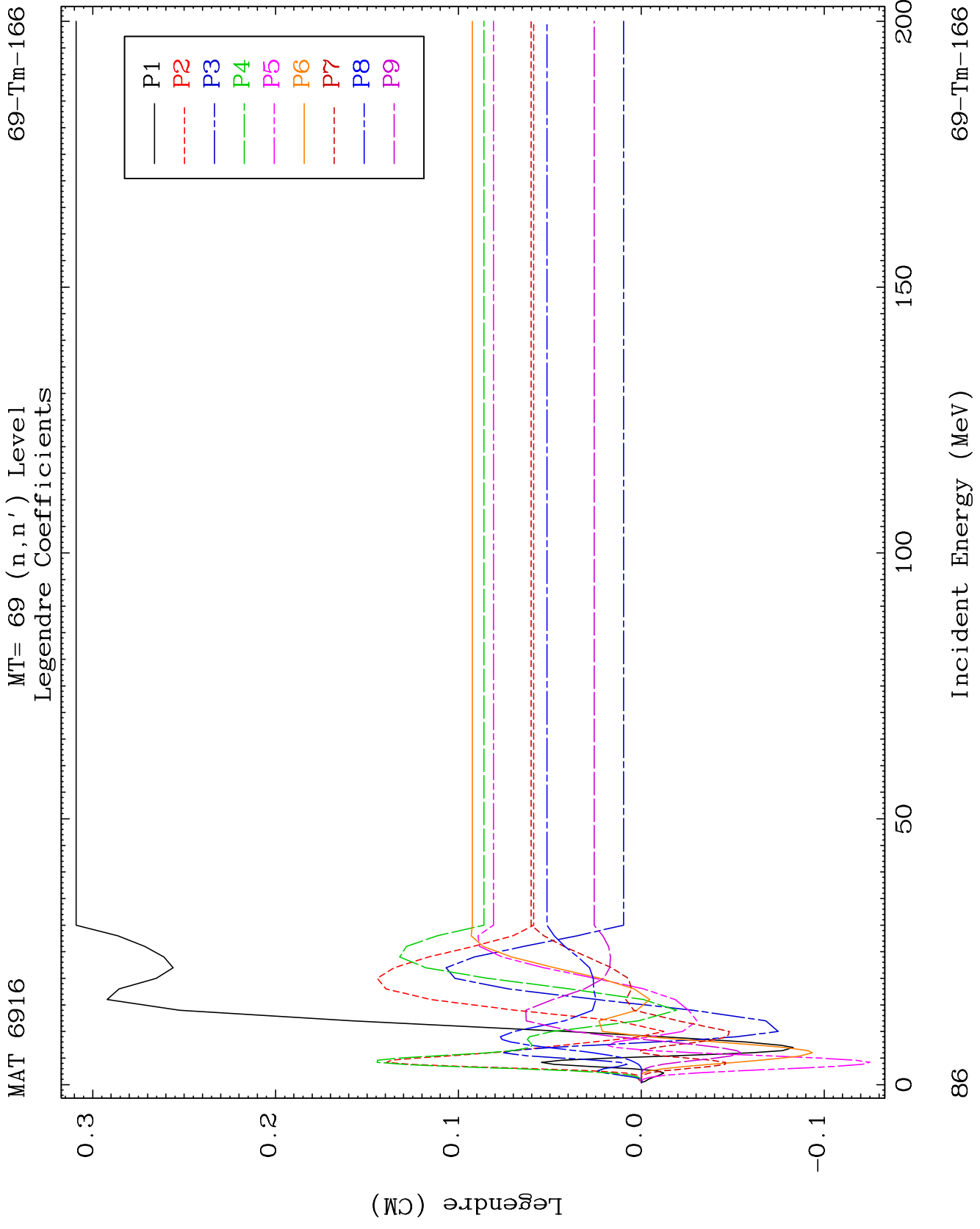
69-Tm-166

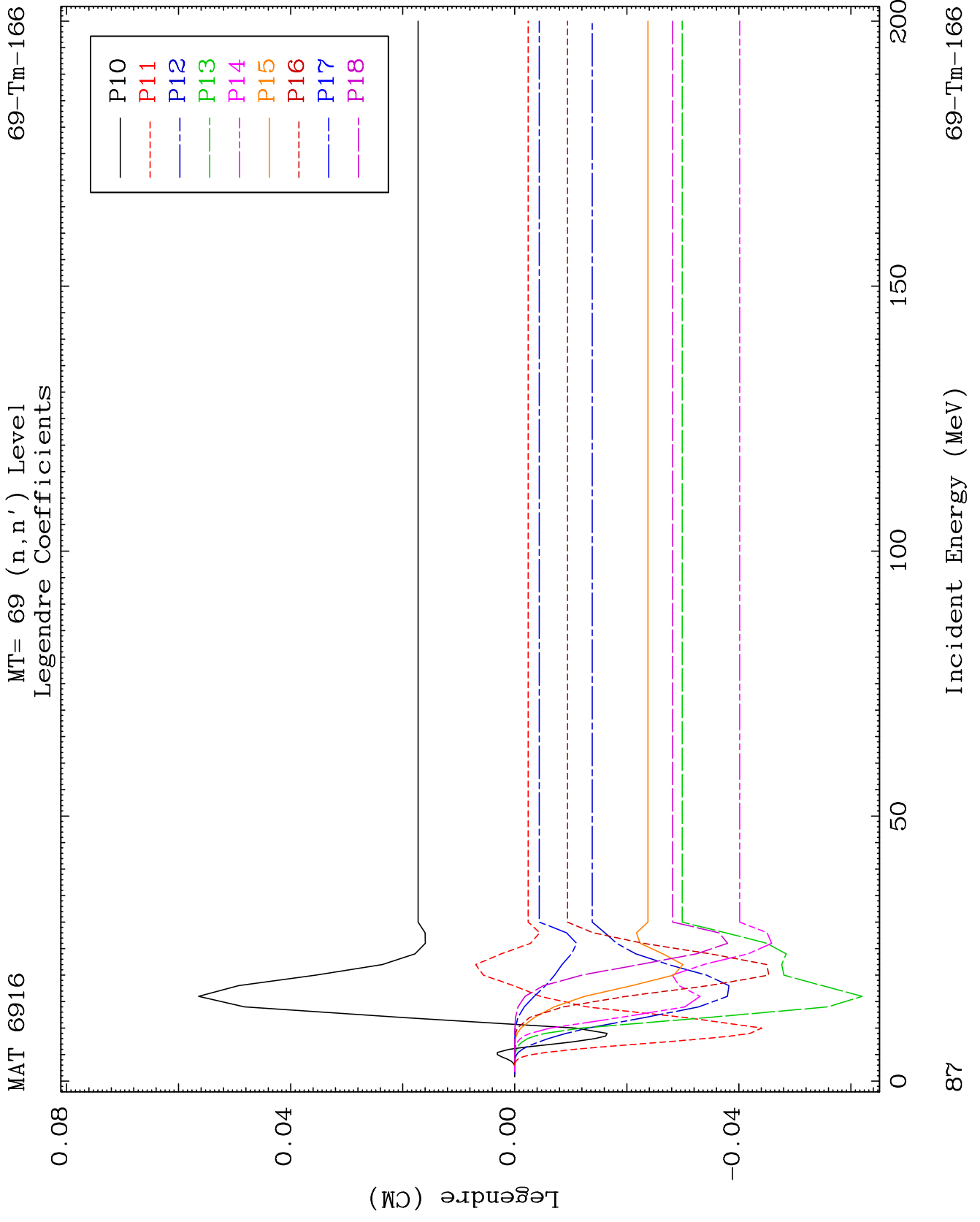
MAT 6916

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

69-Tm-166



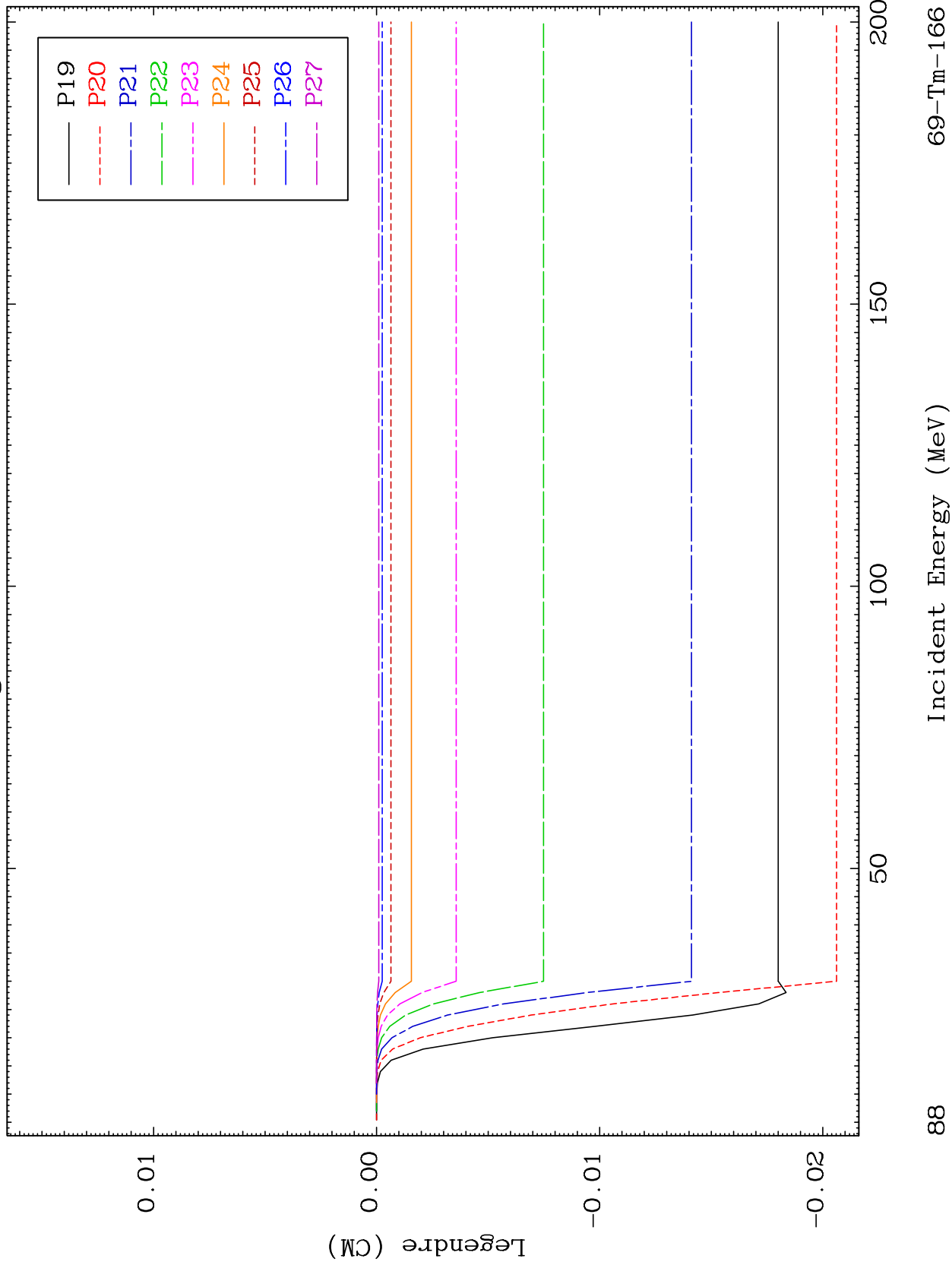




MAT 6916

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

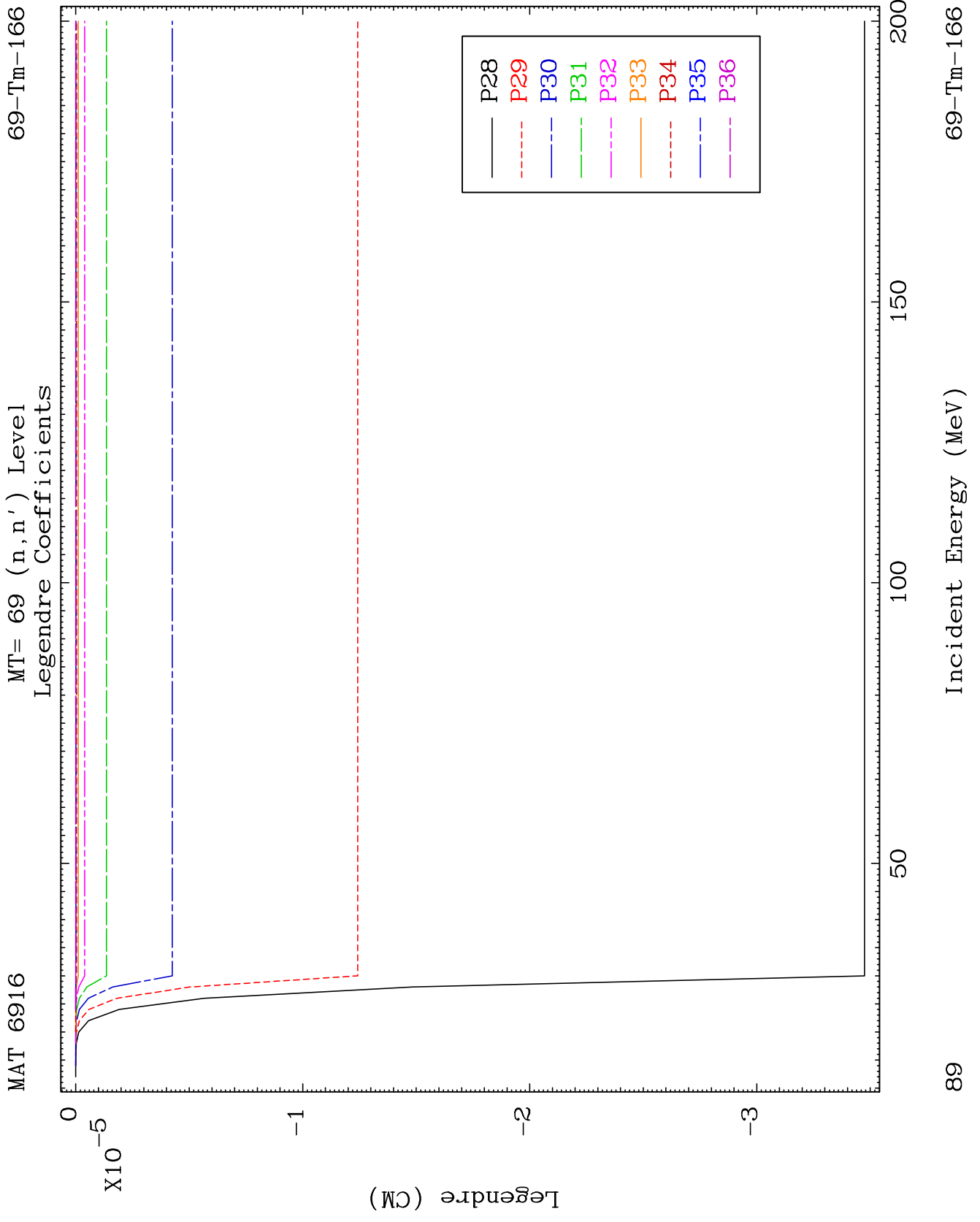
69-Tm-166



88

Incident Energy (MeV)

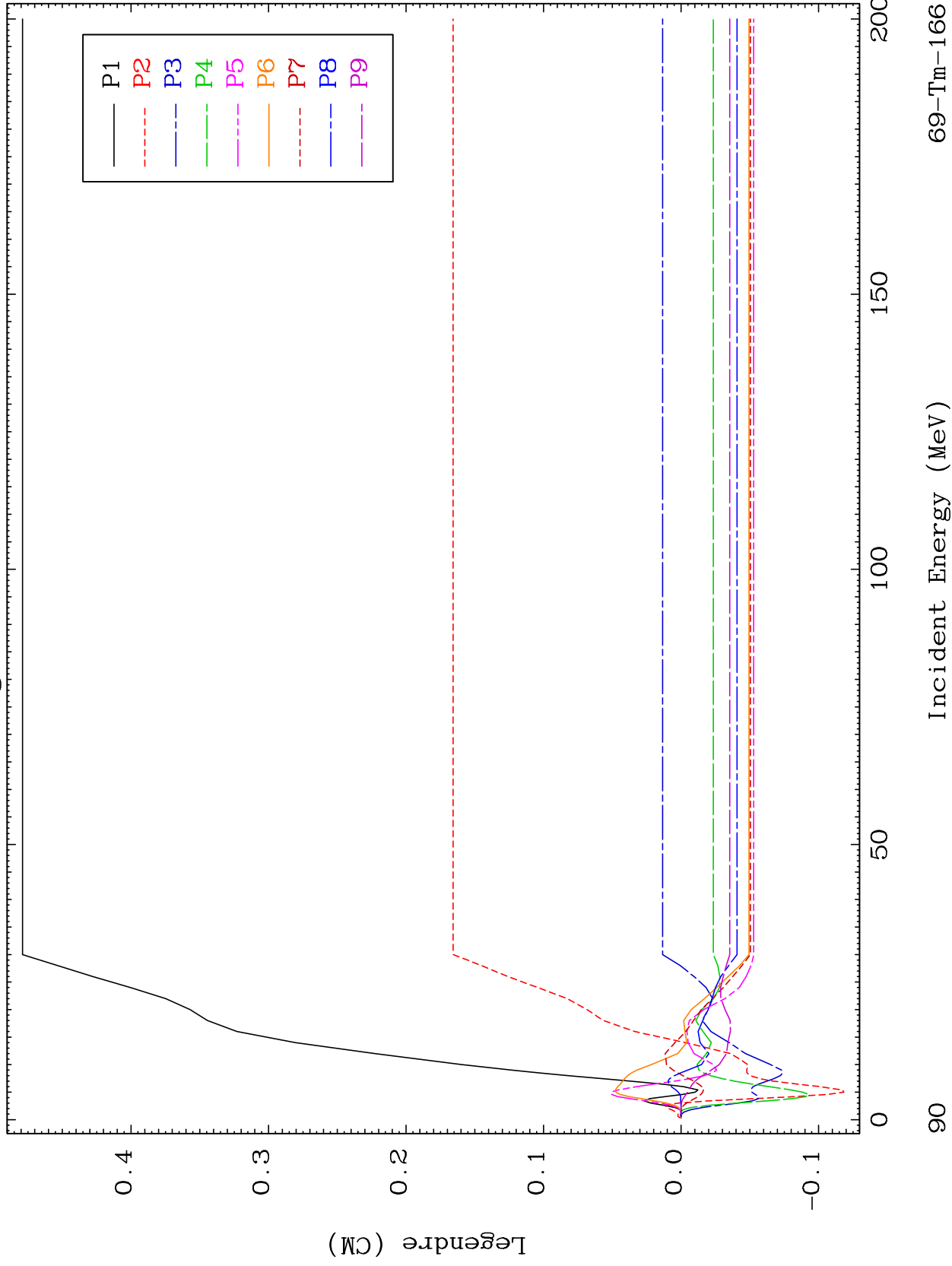
69-Tm-166



MAT 6916

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

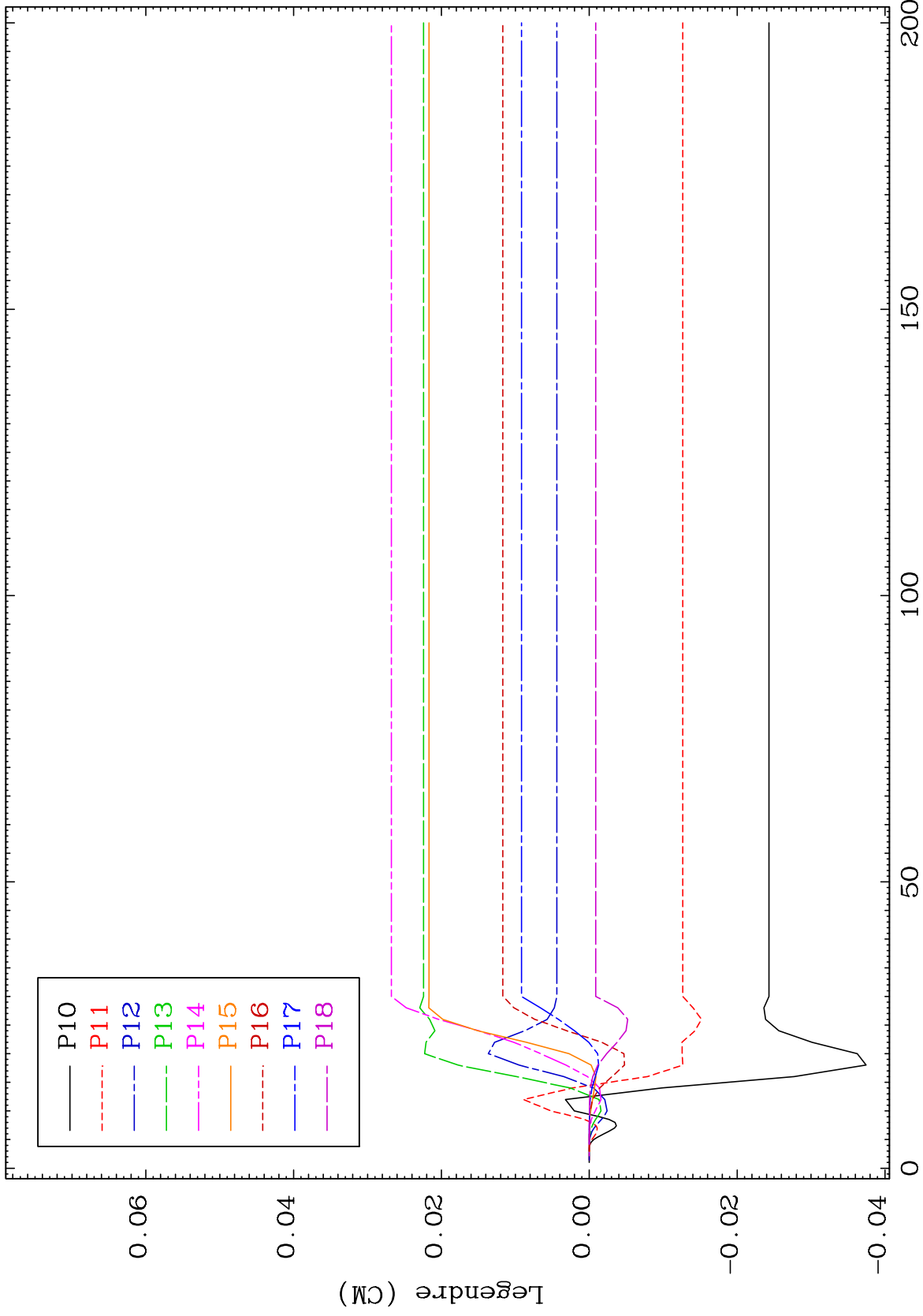
69-Tm-166



MAT 6916

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

69-Tm-166



91

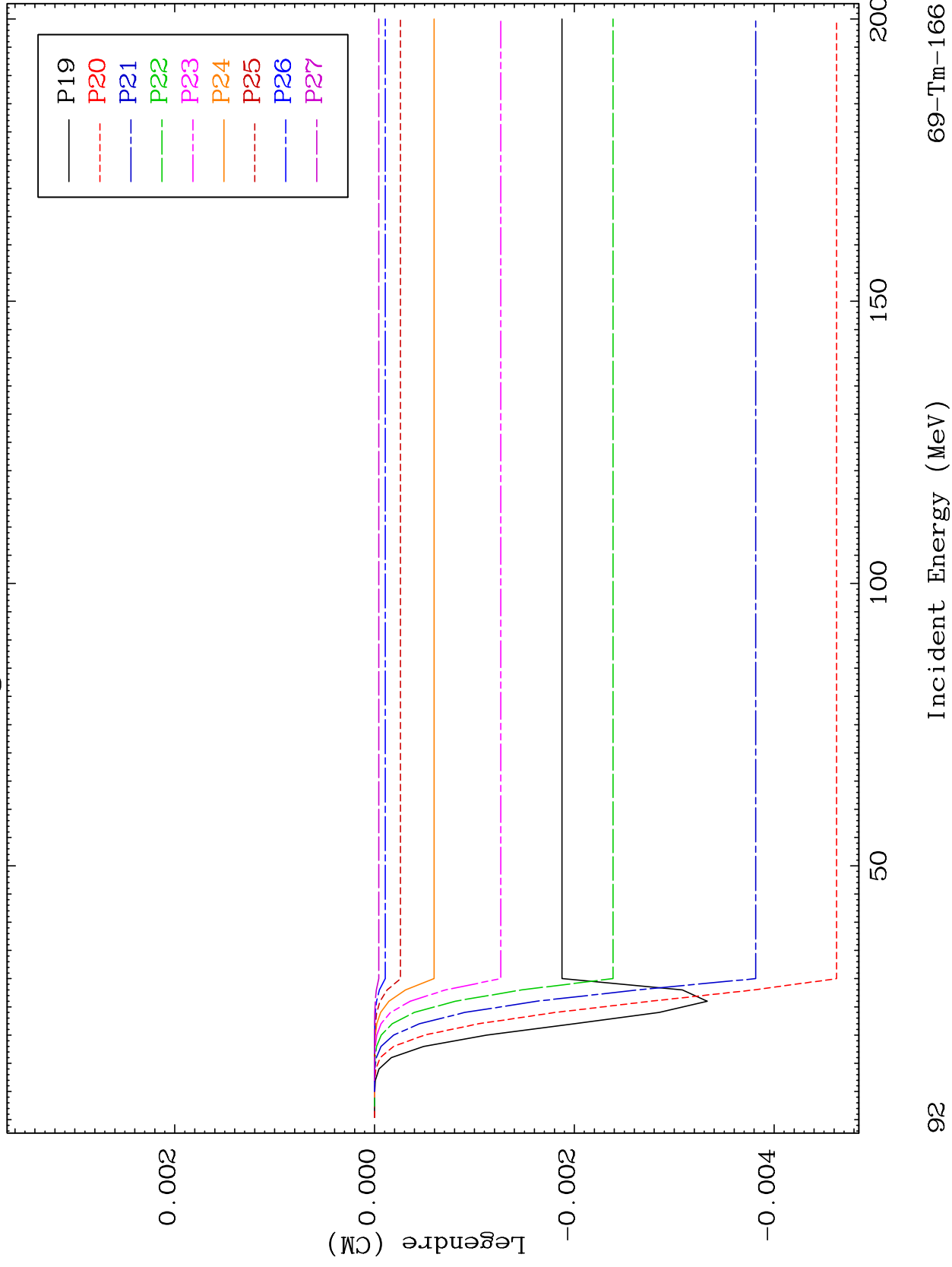
Incident Energy (MeV)

69-Tm-166

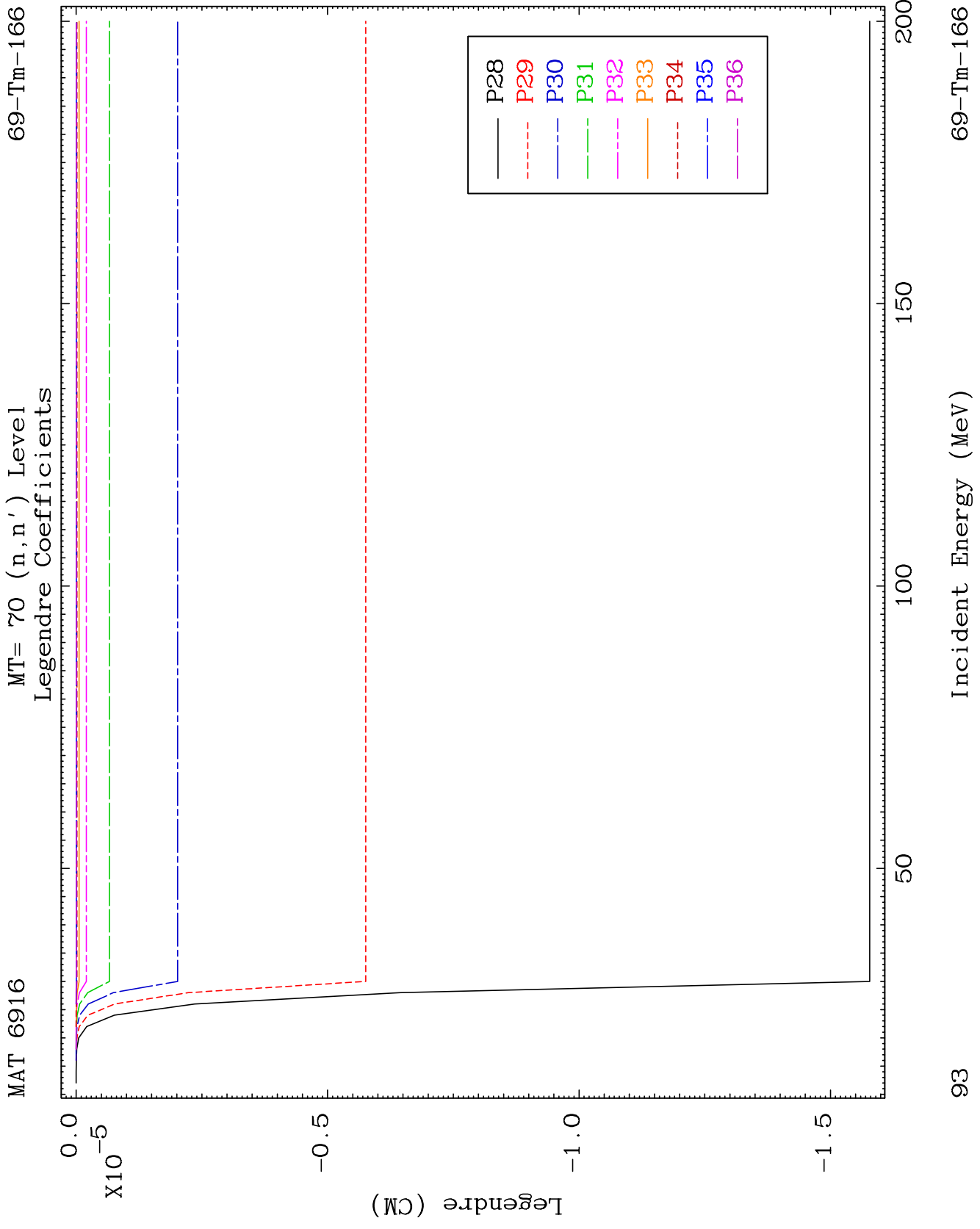
MAT 6916

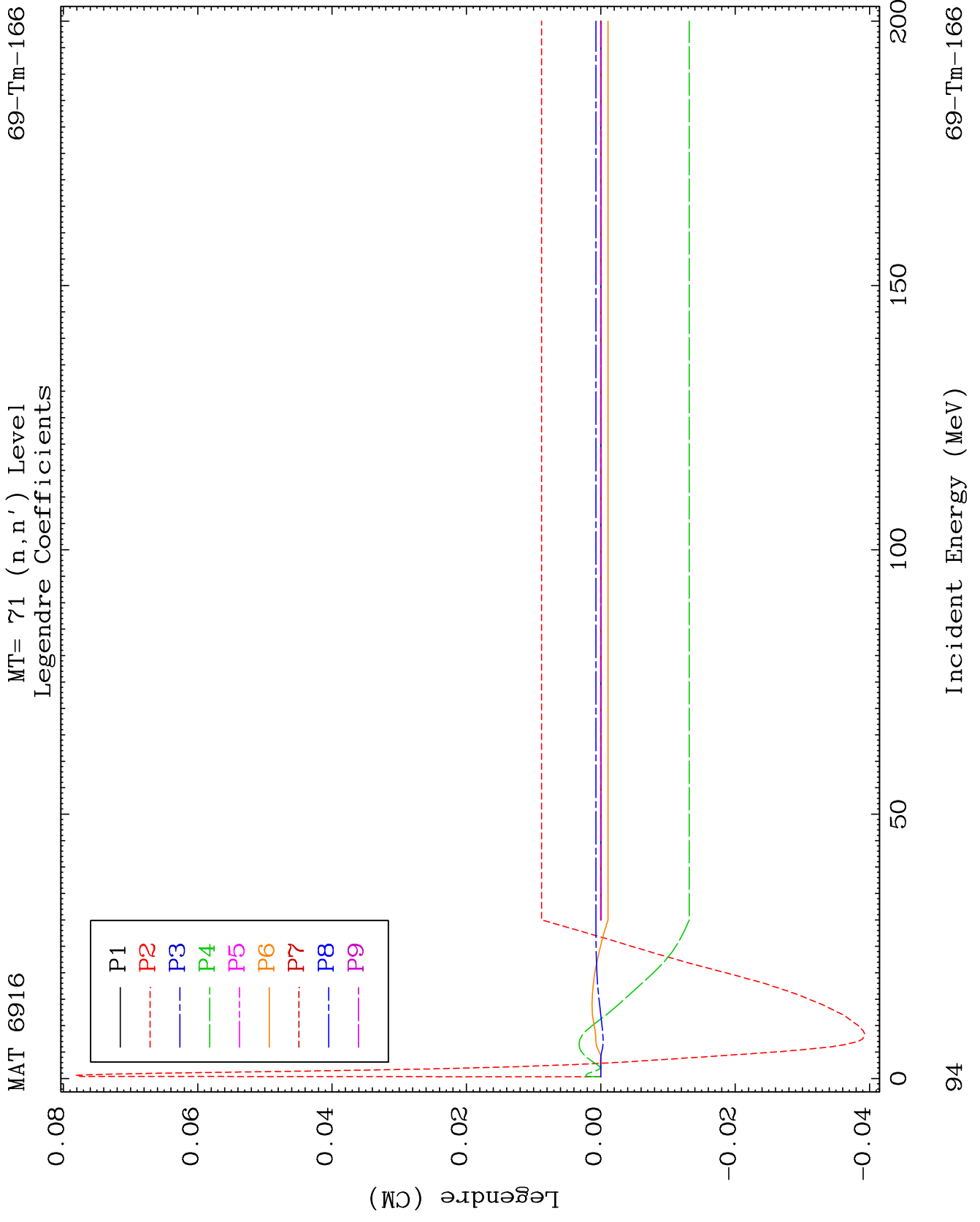
MT= 70 (n,n') Level
Legendre Coefficients

69-Tm-166



92

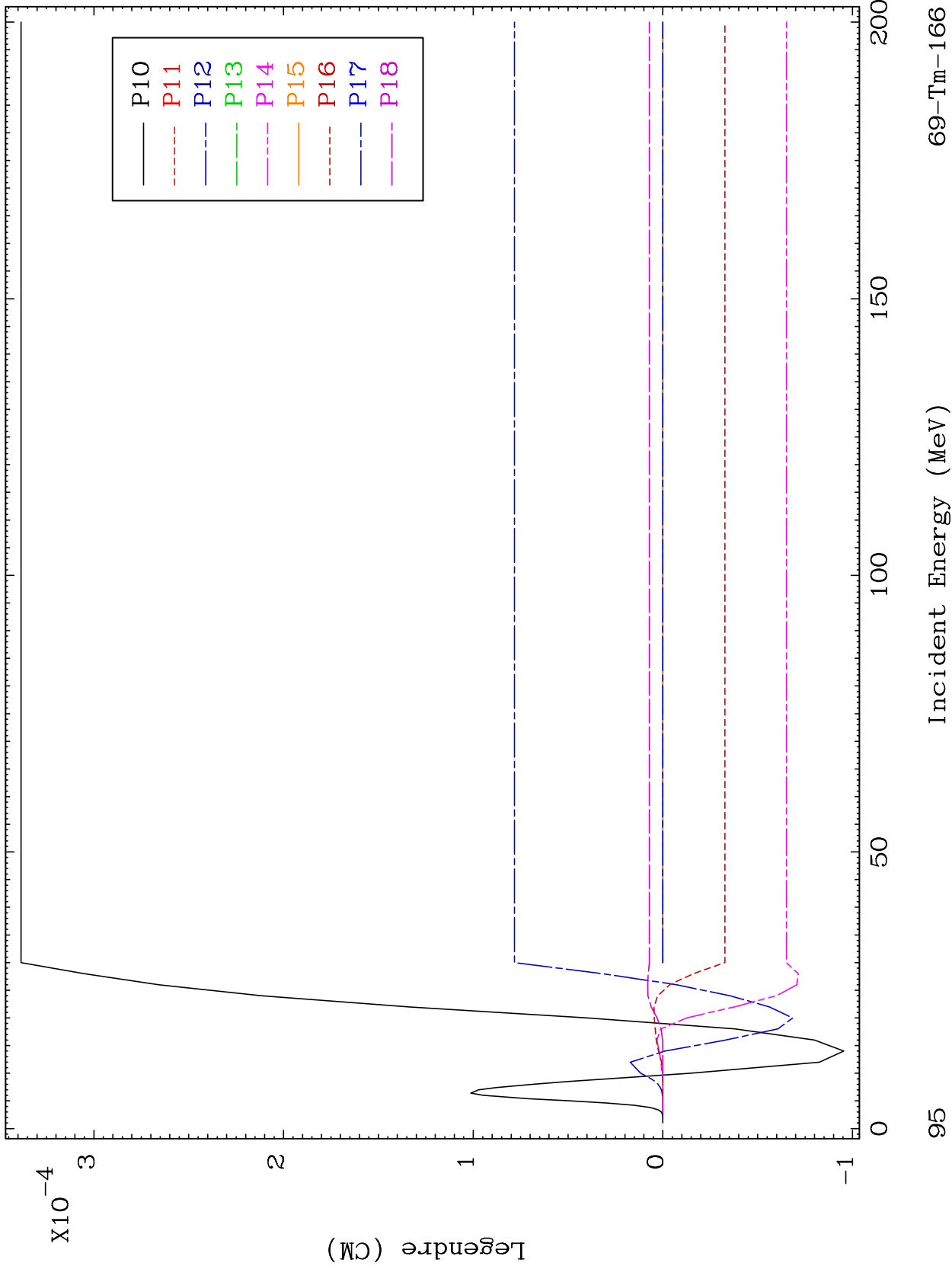




MAT 6916

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

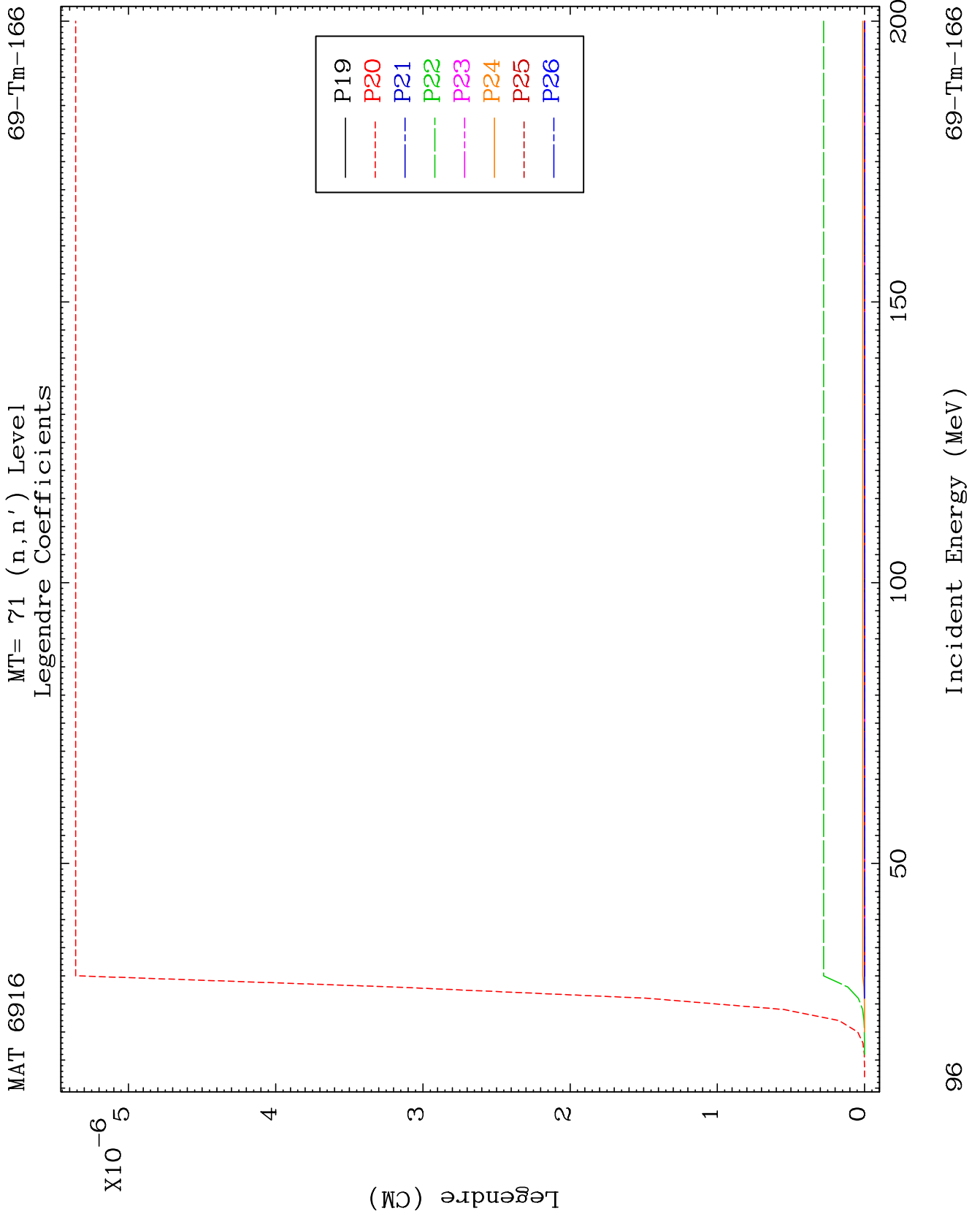
69-Tm-166



69-Tm-166

Incident Energy (MeV)

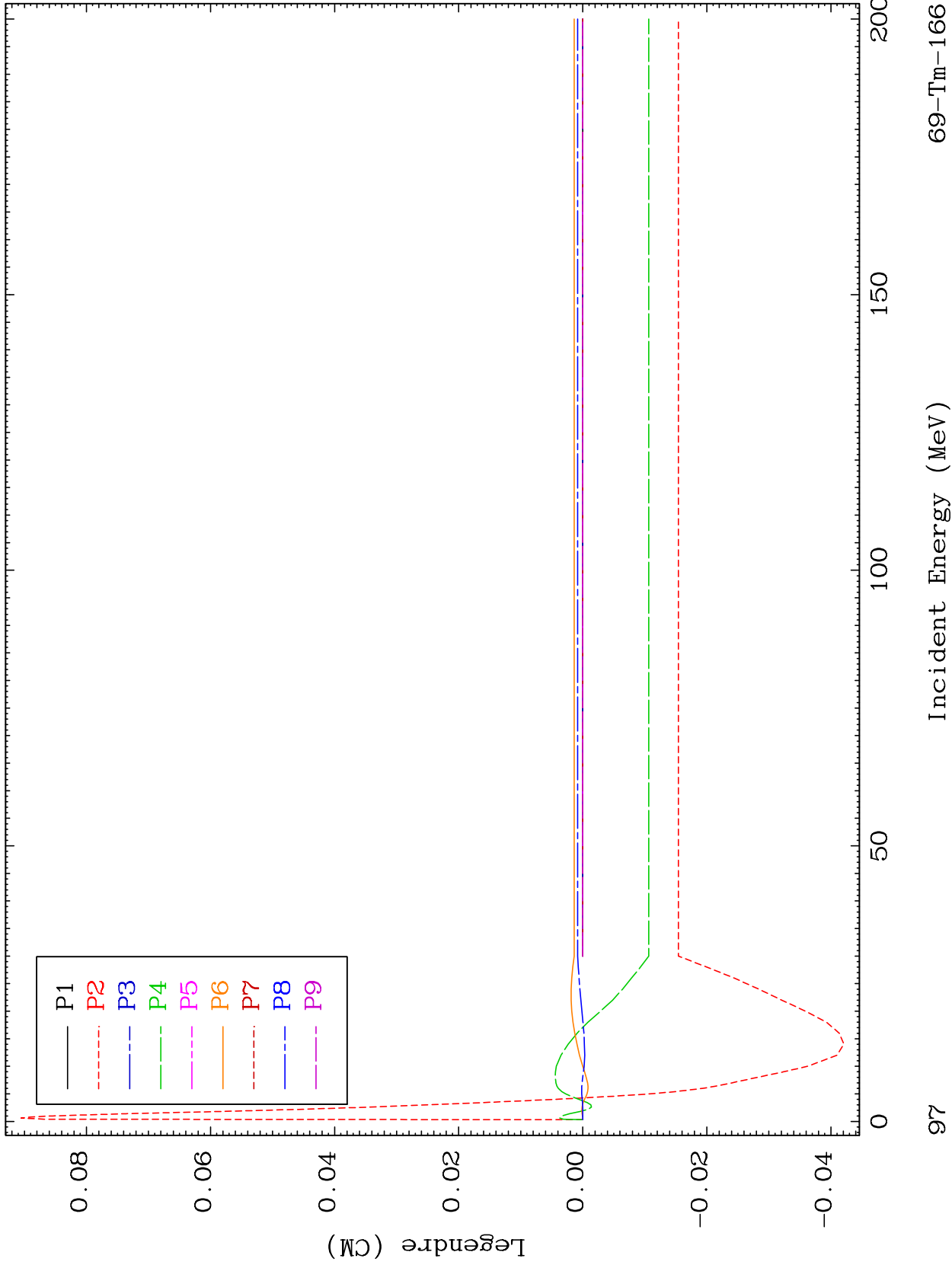
95



MAT 6916

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

69-Tm-166



97

Incident Energy (MeV)

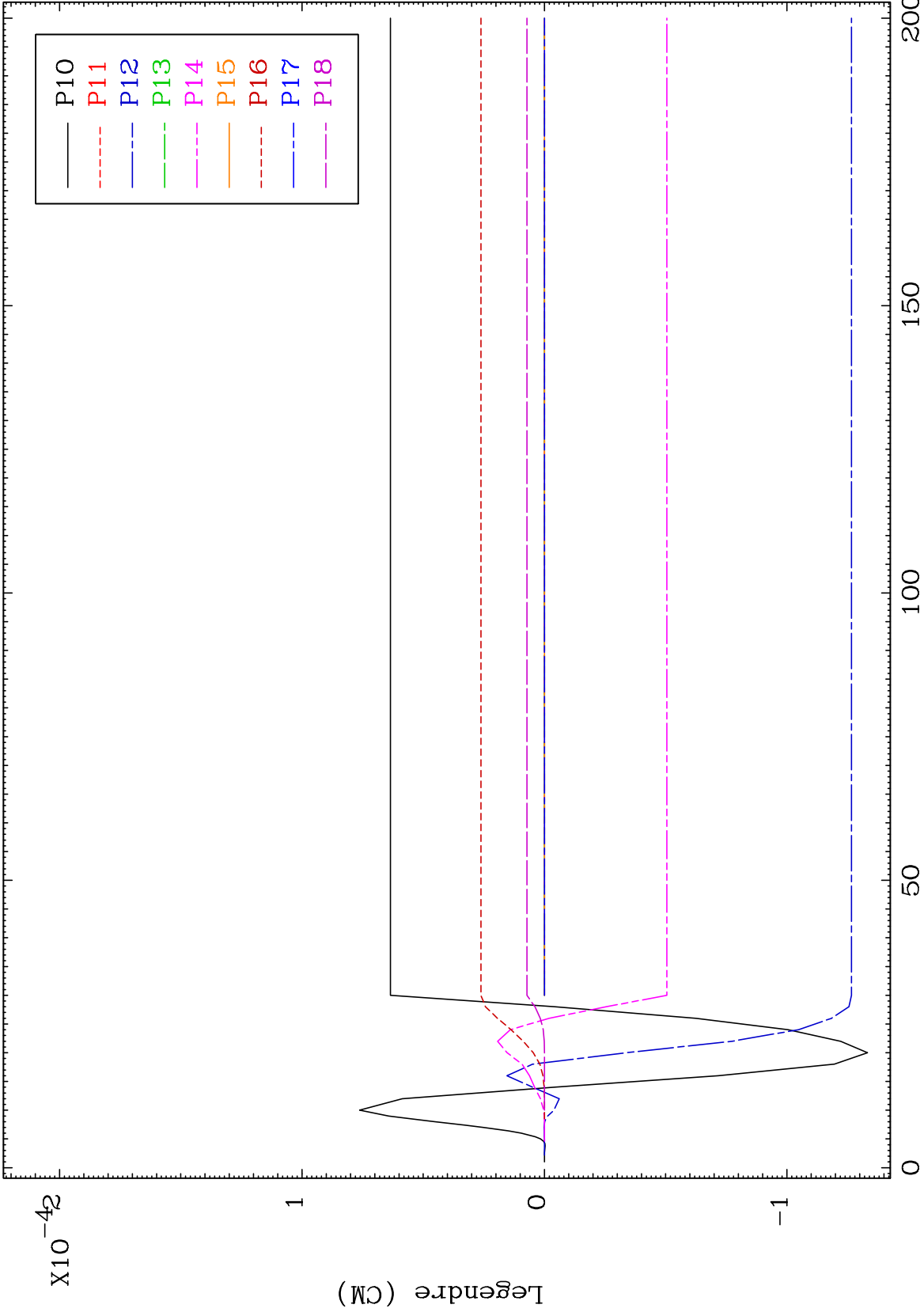
69-Tm-166

MAT 6916

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

69-Tm-166

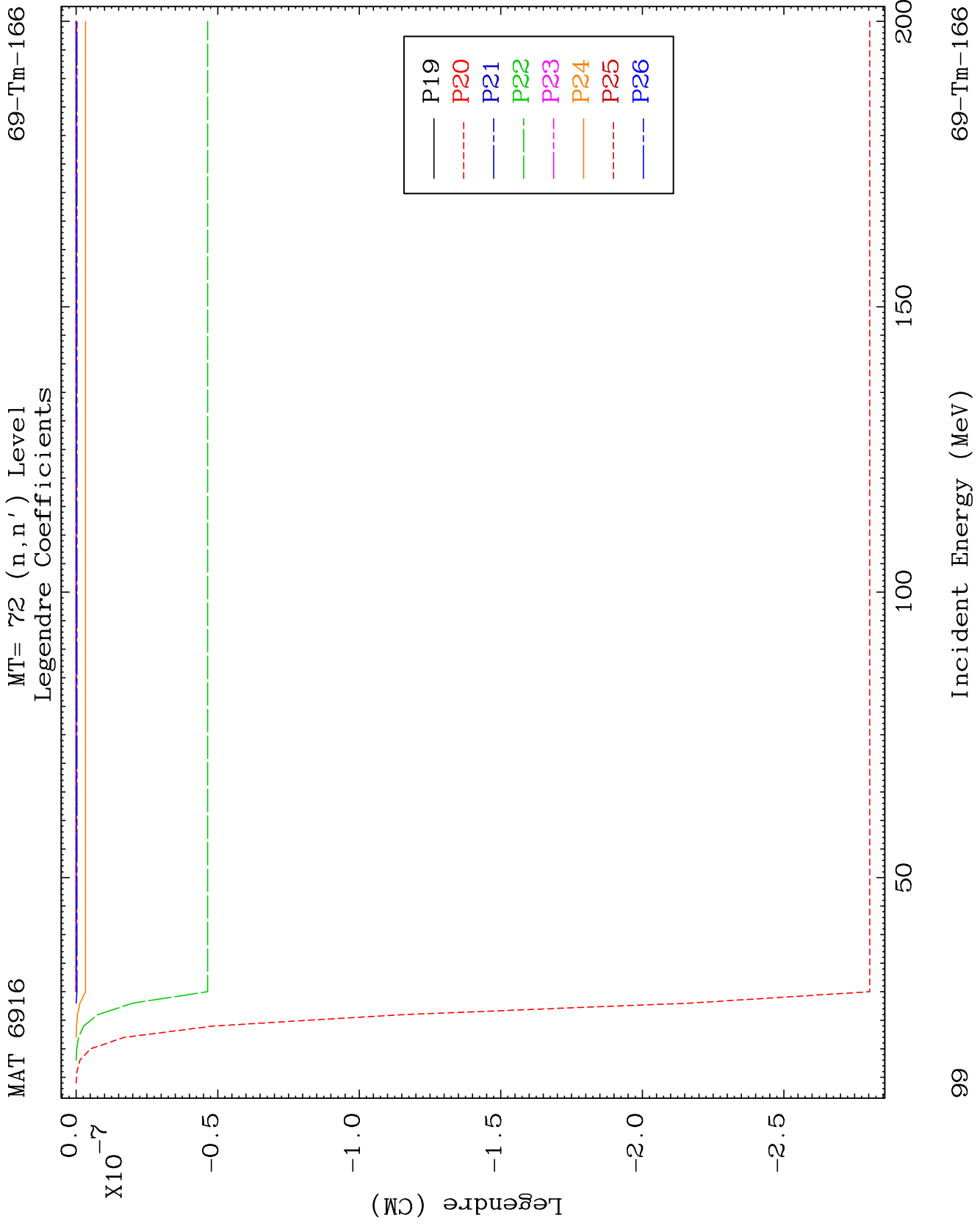
$\times 10^{-42}$



98

Incident Energy (MeV)

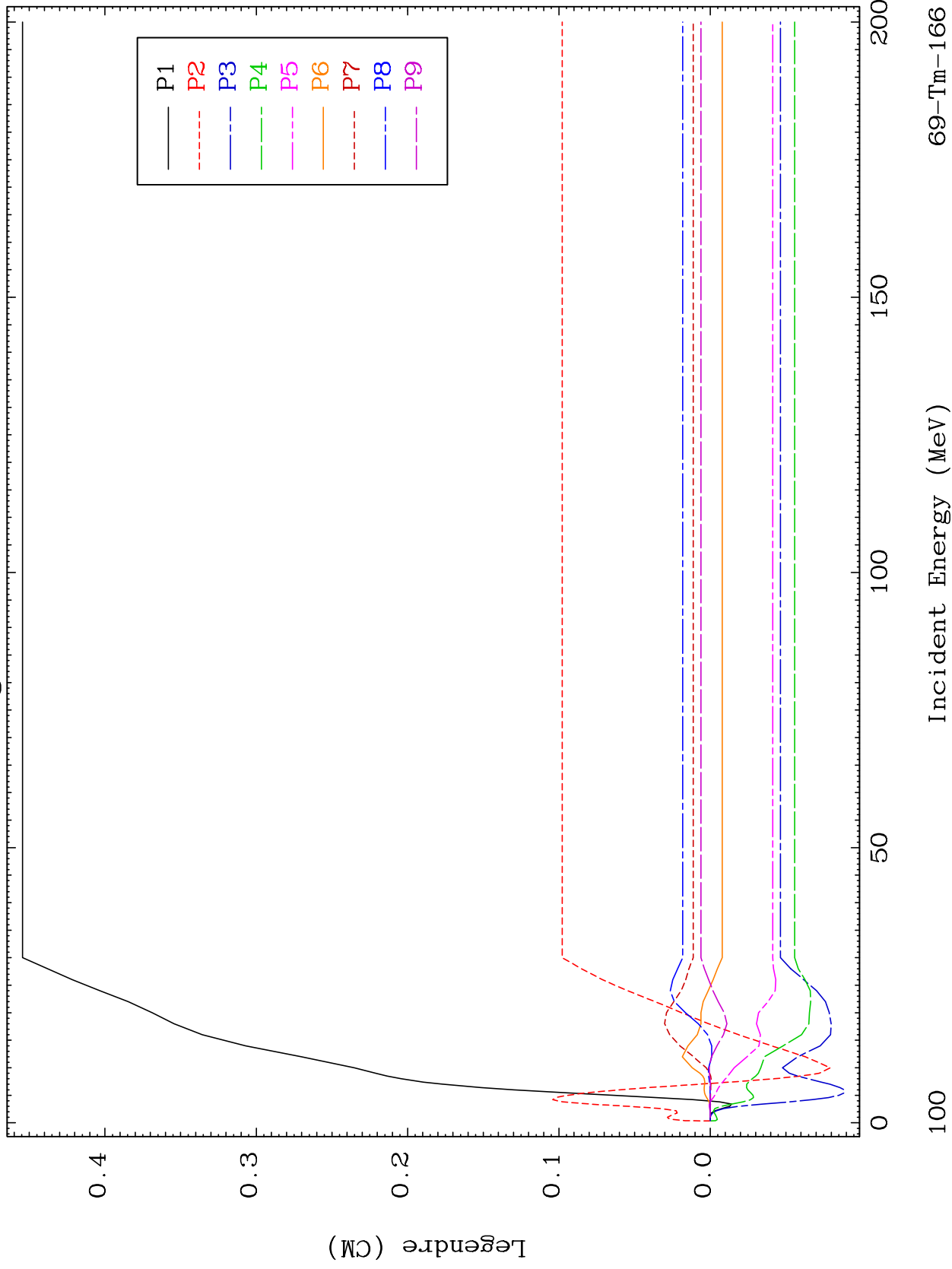
69-Tm-166



MAT 6916

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

69-Tm-166

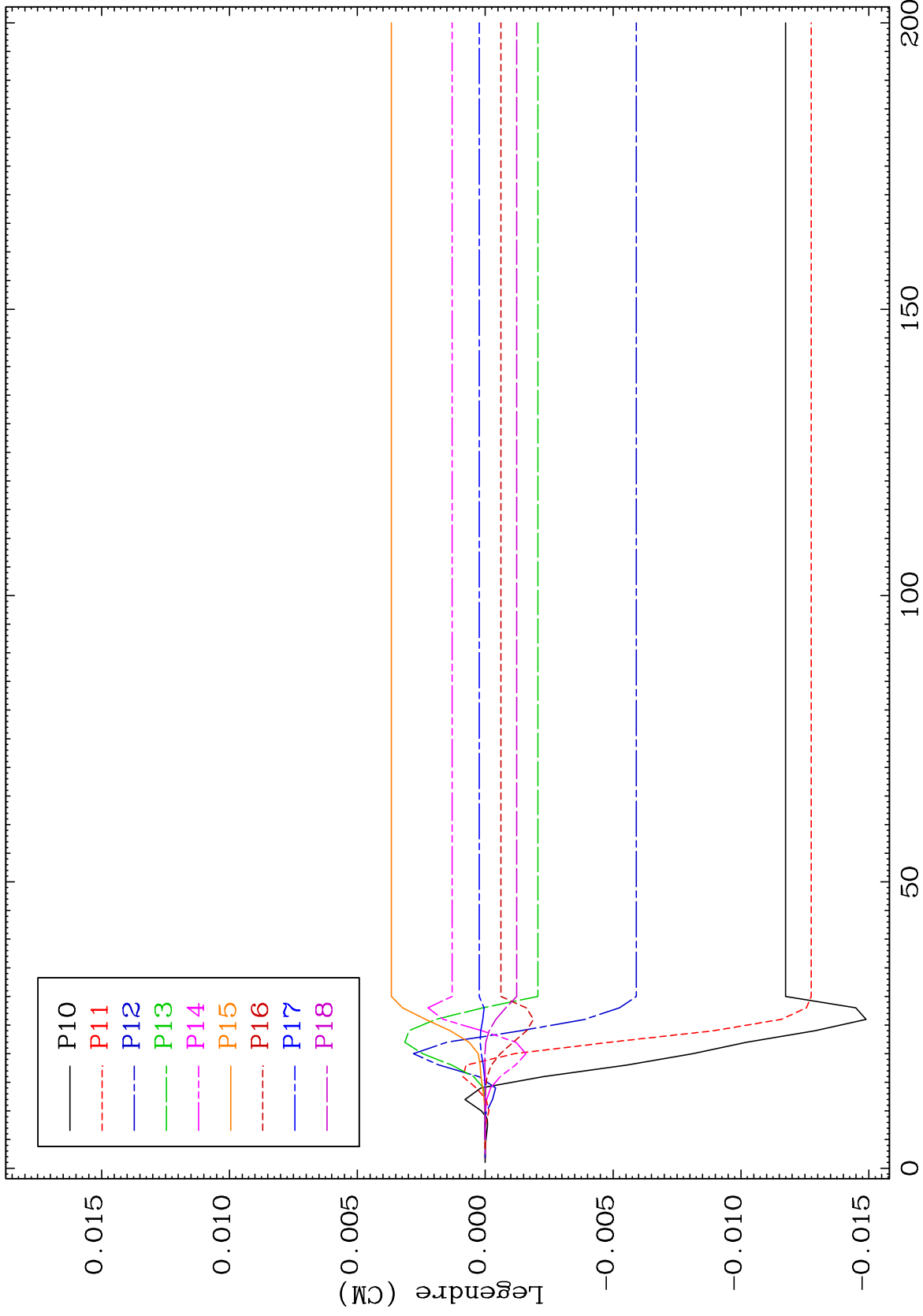


69-Tm-166

MAT 6916

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

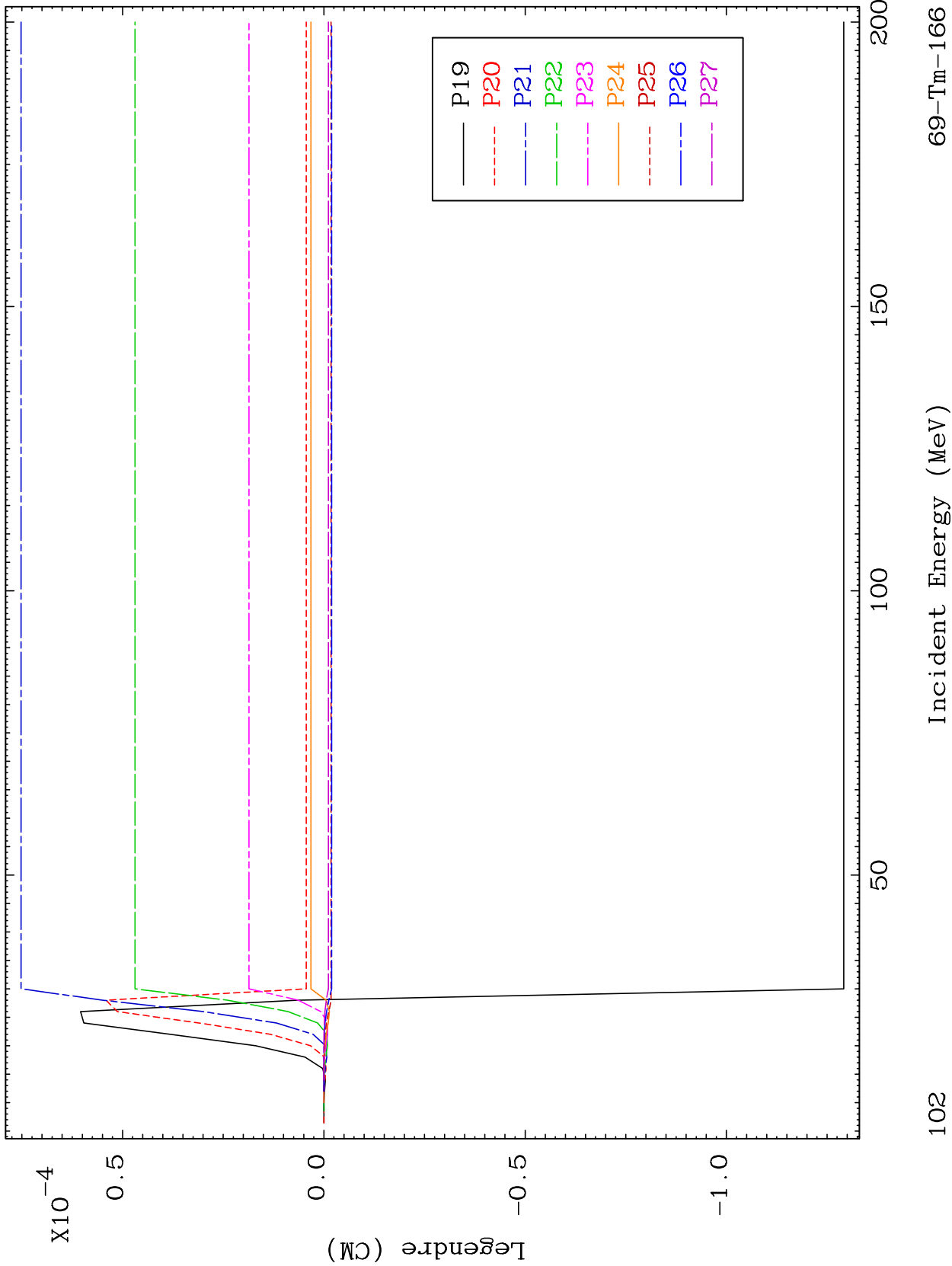
69-Tm-166

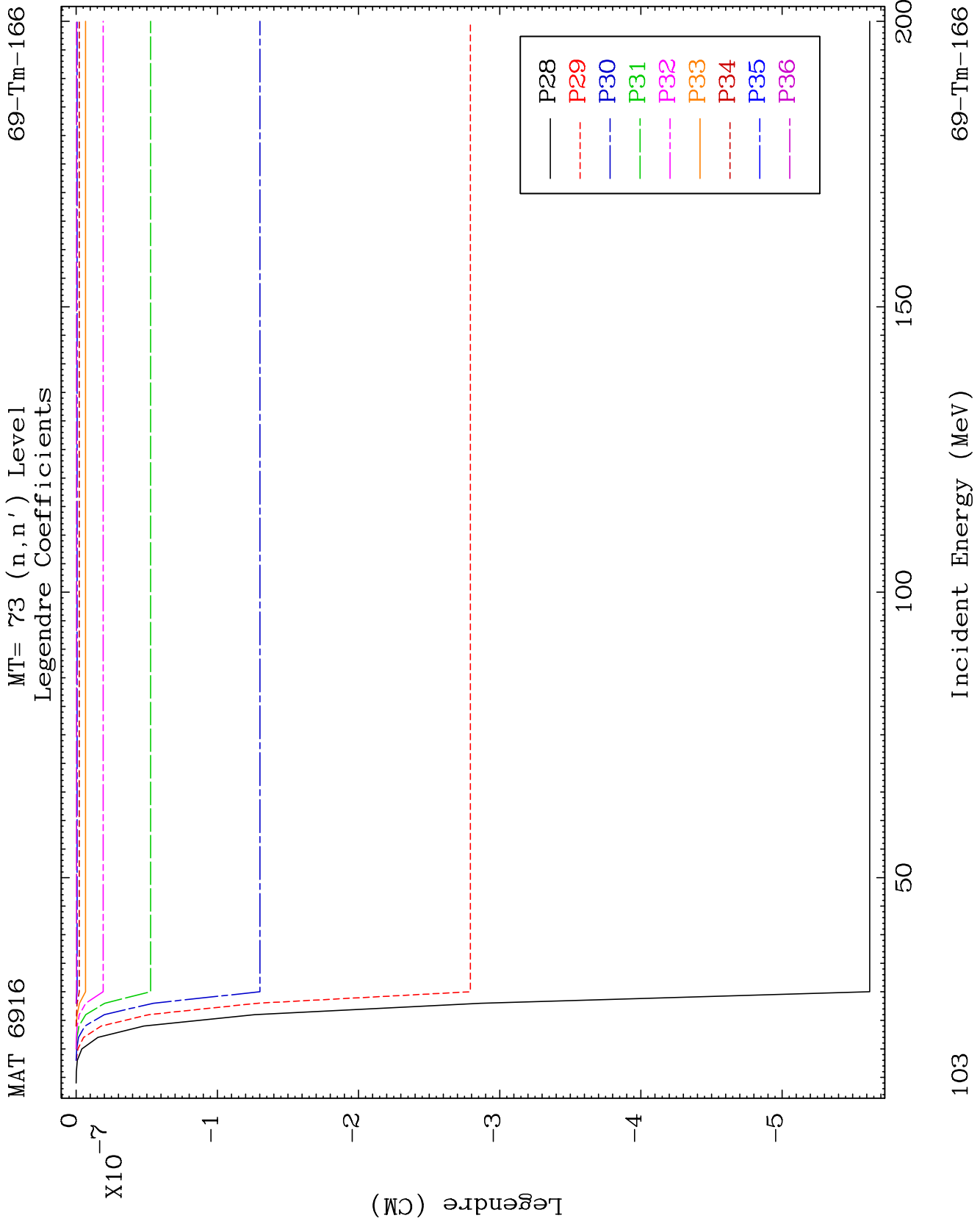


101

Incident Energy (MeV)

69-Tm-166

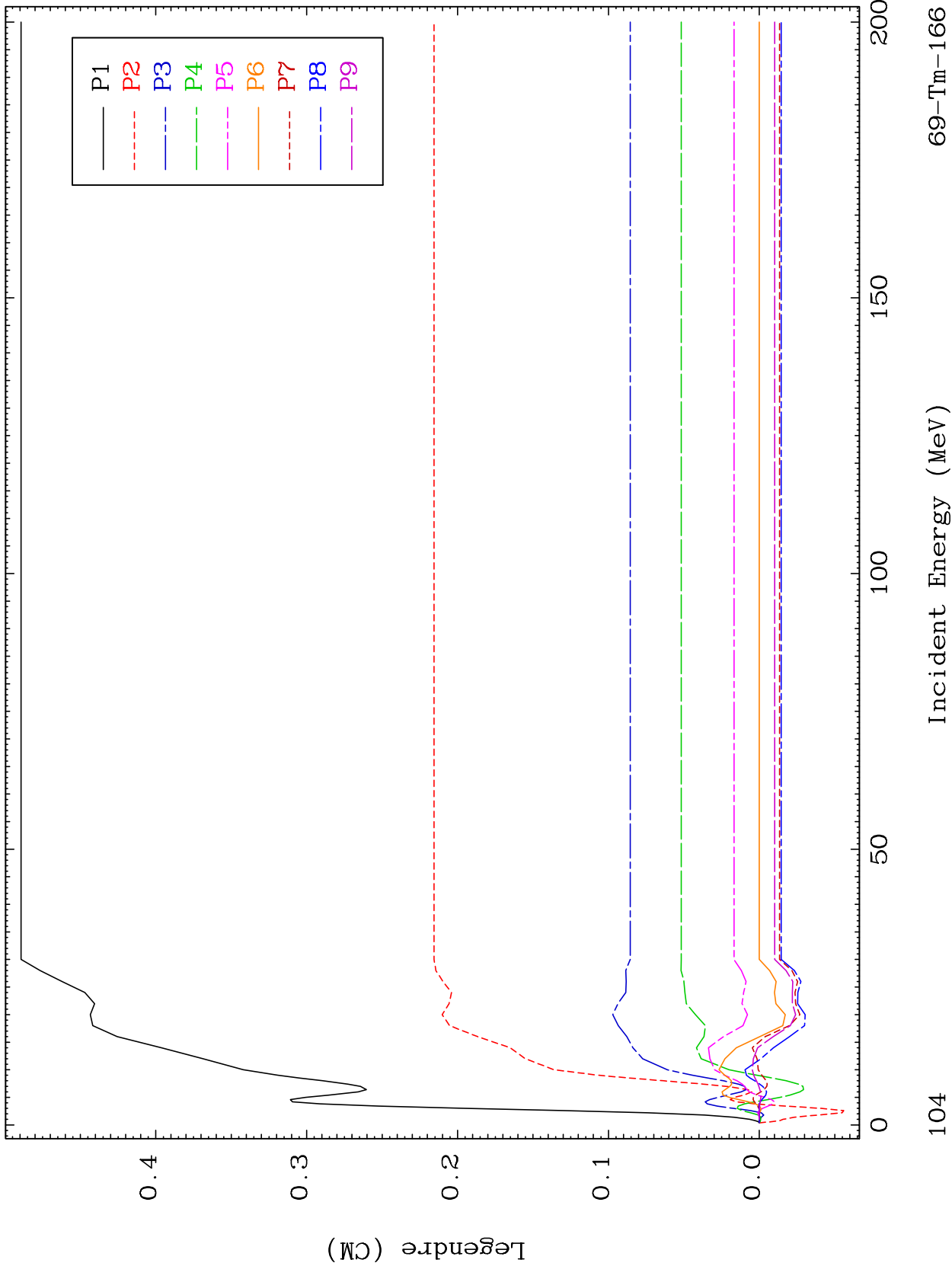




MAT 6916

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

69-Tm-166



69-Tm-166

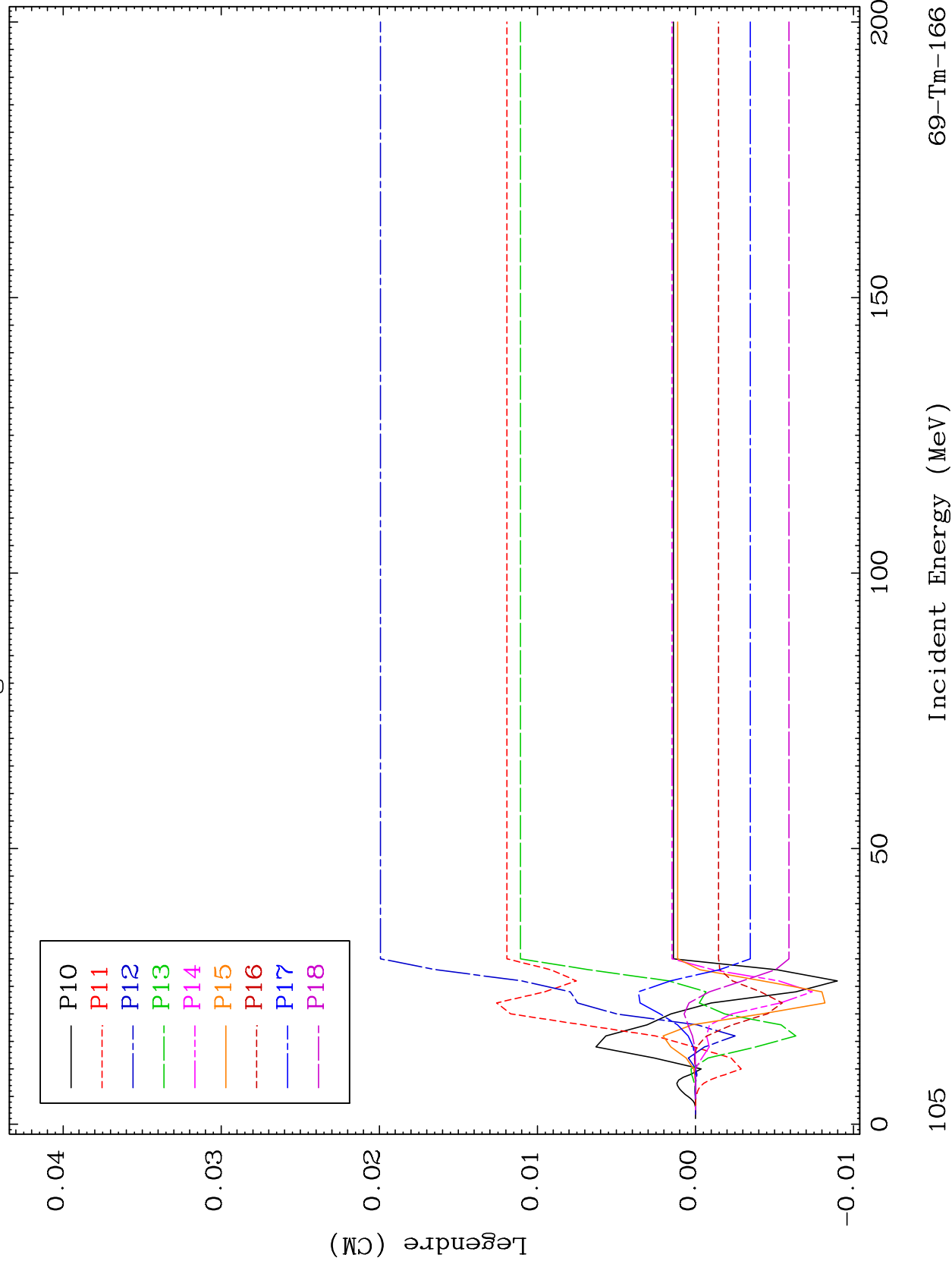
Incident Energy (MeV)

104

MAT 6916

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

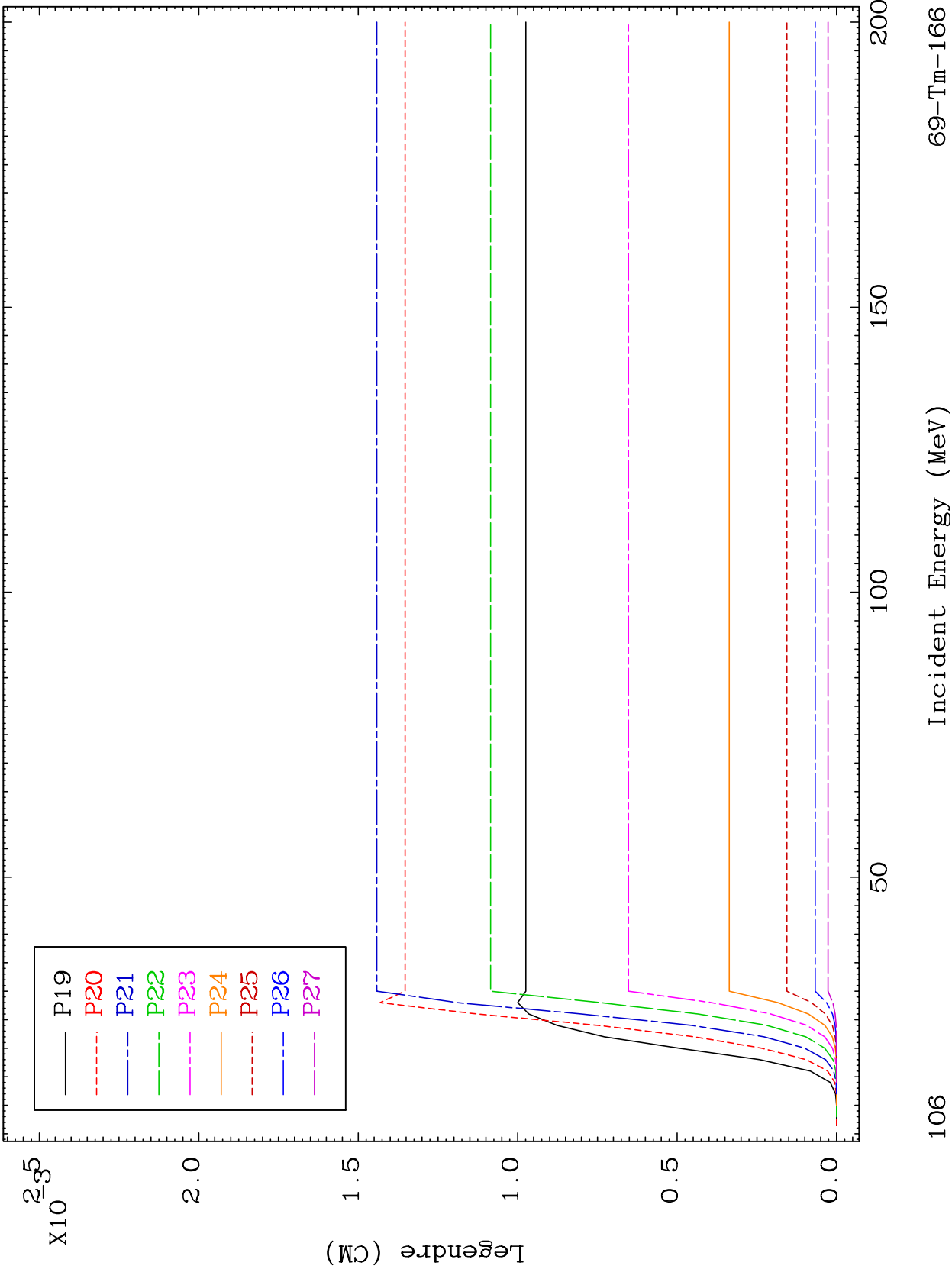
69-Tm-166



69-Tm-166

Incident Energy (MeV)

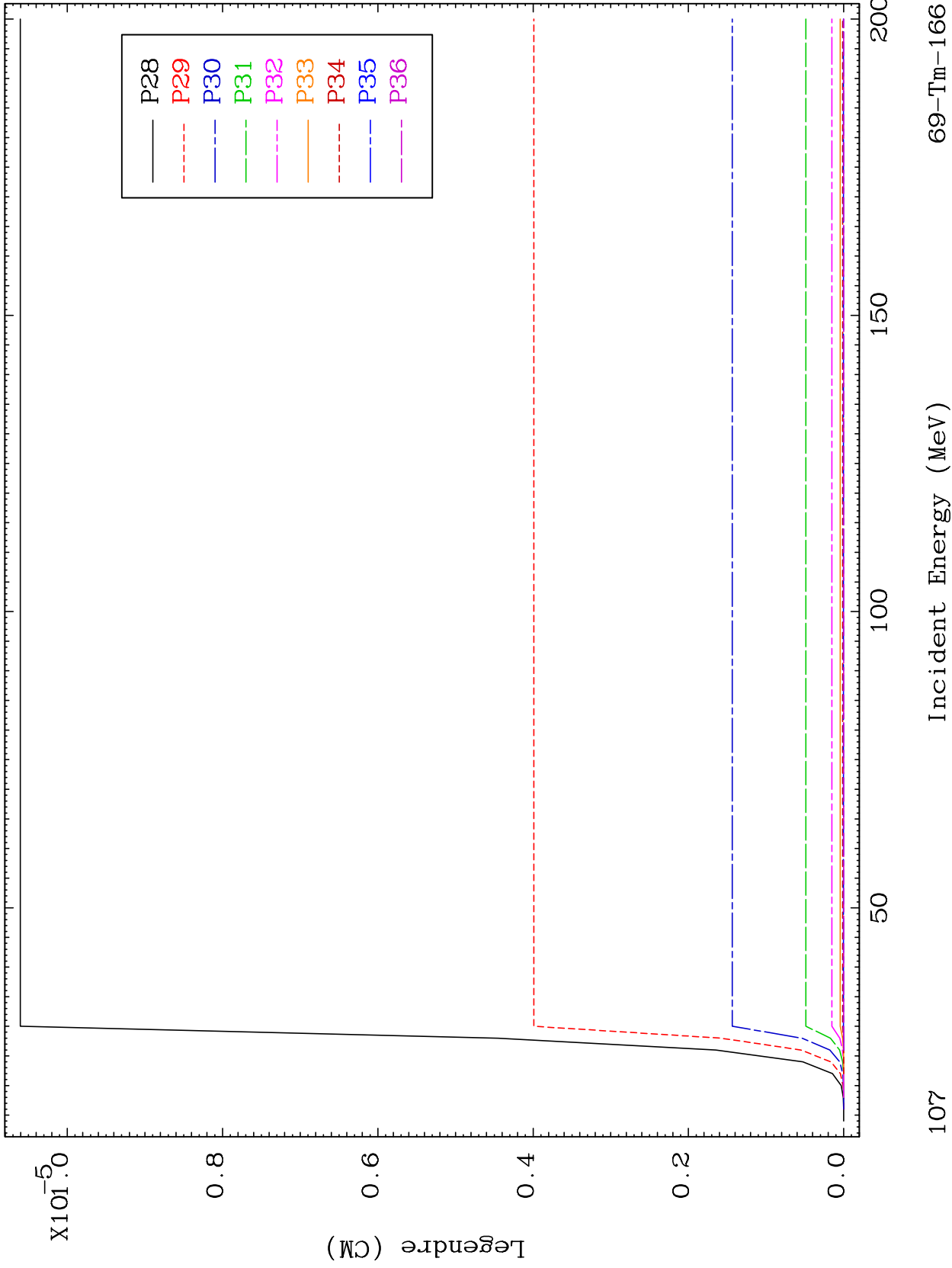
105



MAT 6916

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

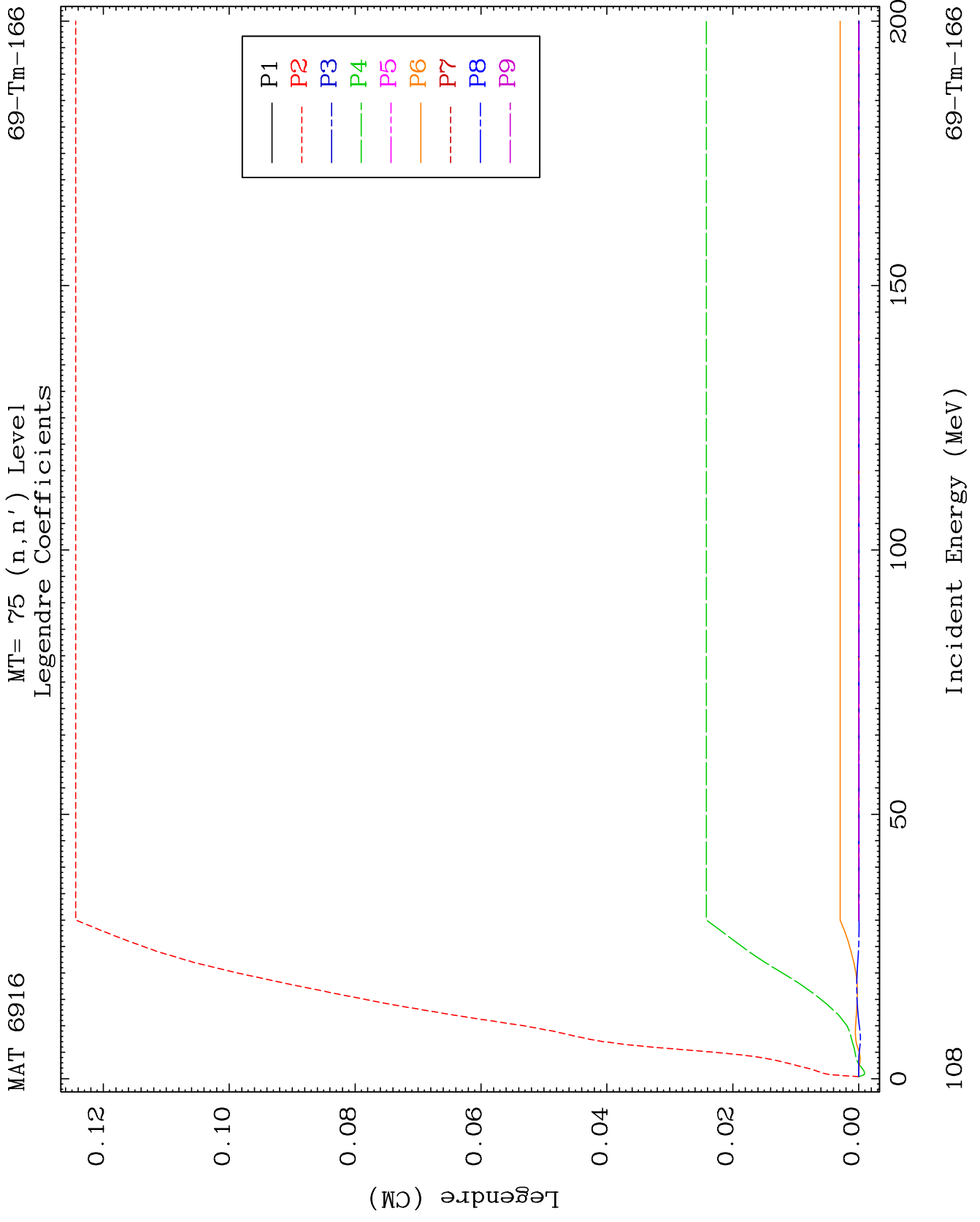
69-Tm-166



107

Incident Energy (MeV)

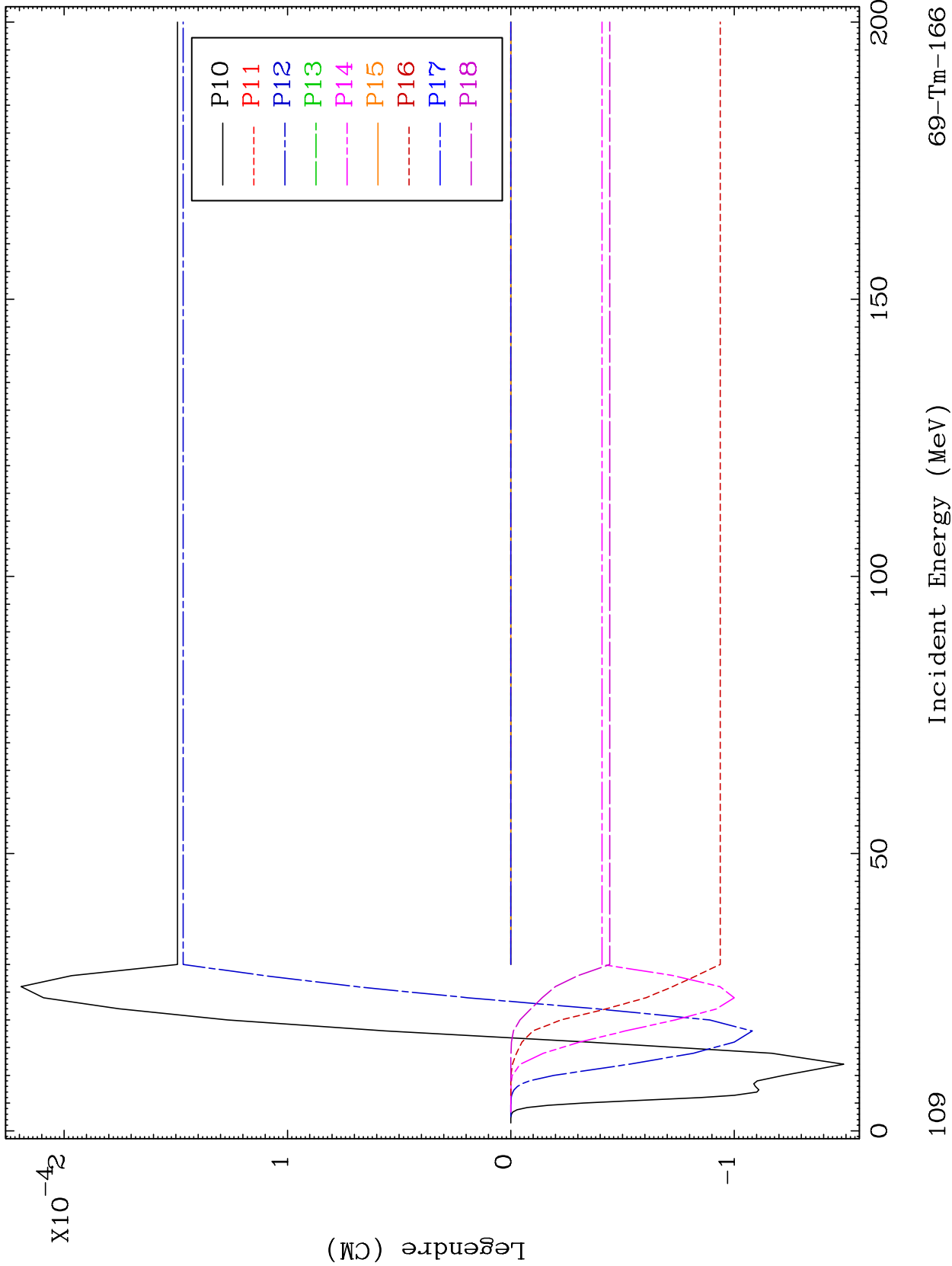
69-Tm-166



MAT 6916

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

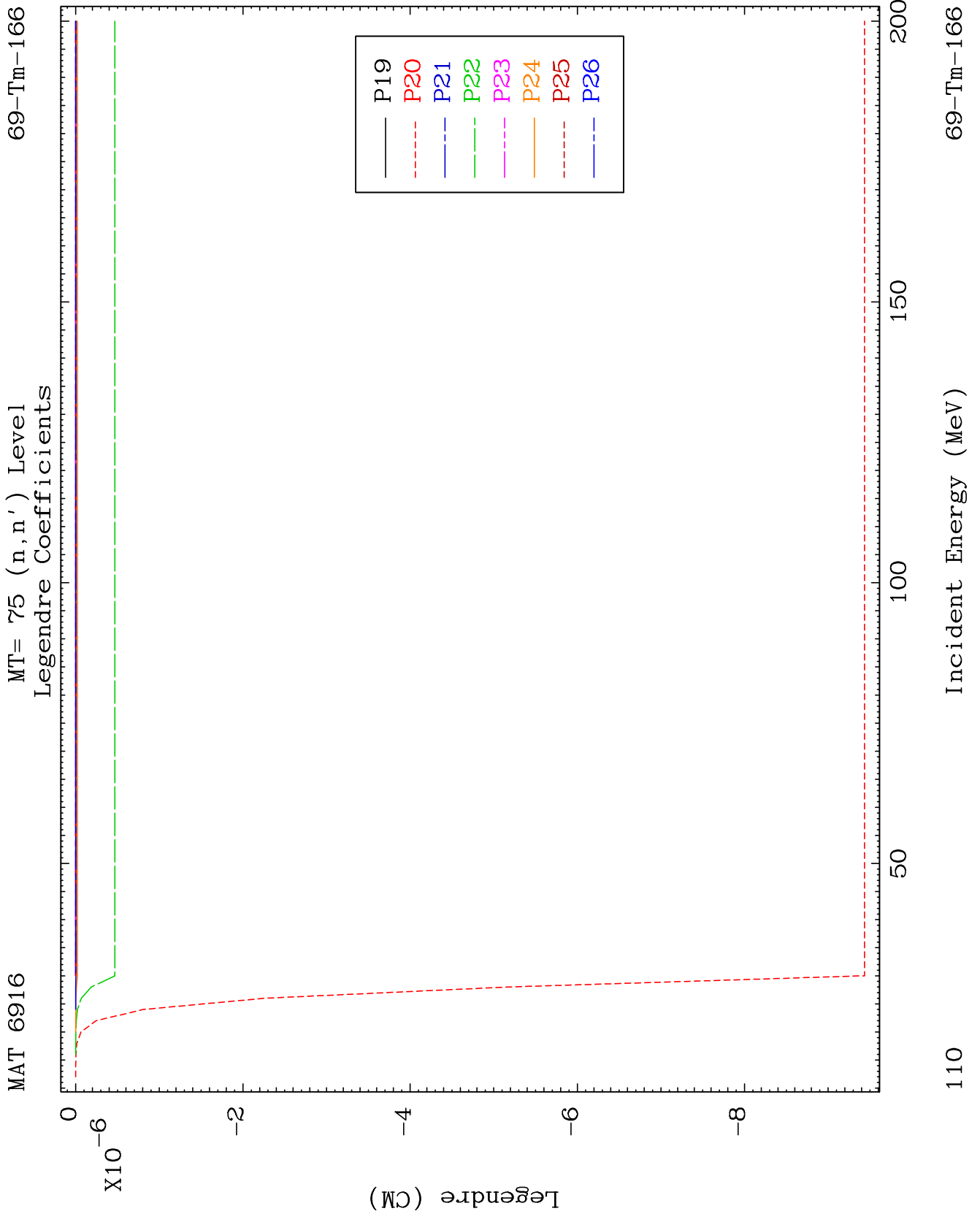
69-Tm-166



69-Tm-166

Incident Energy (MeV)

109

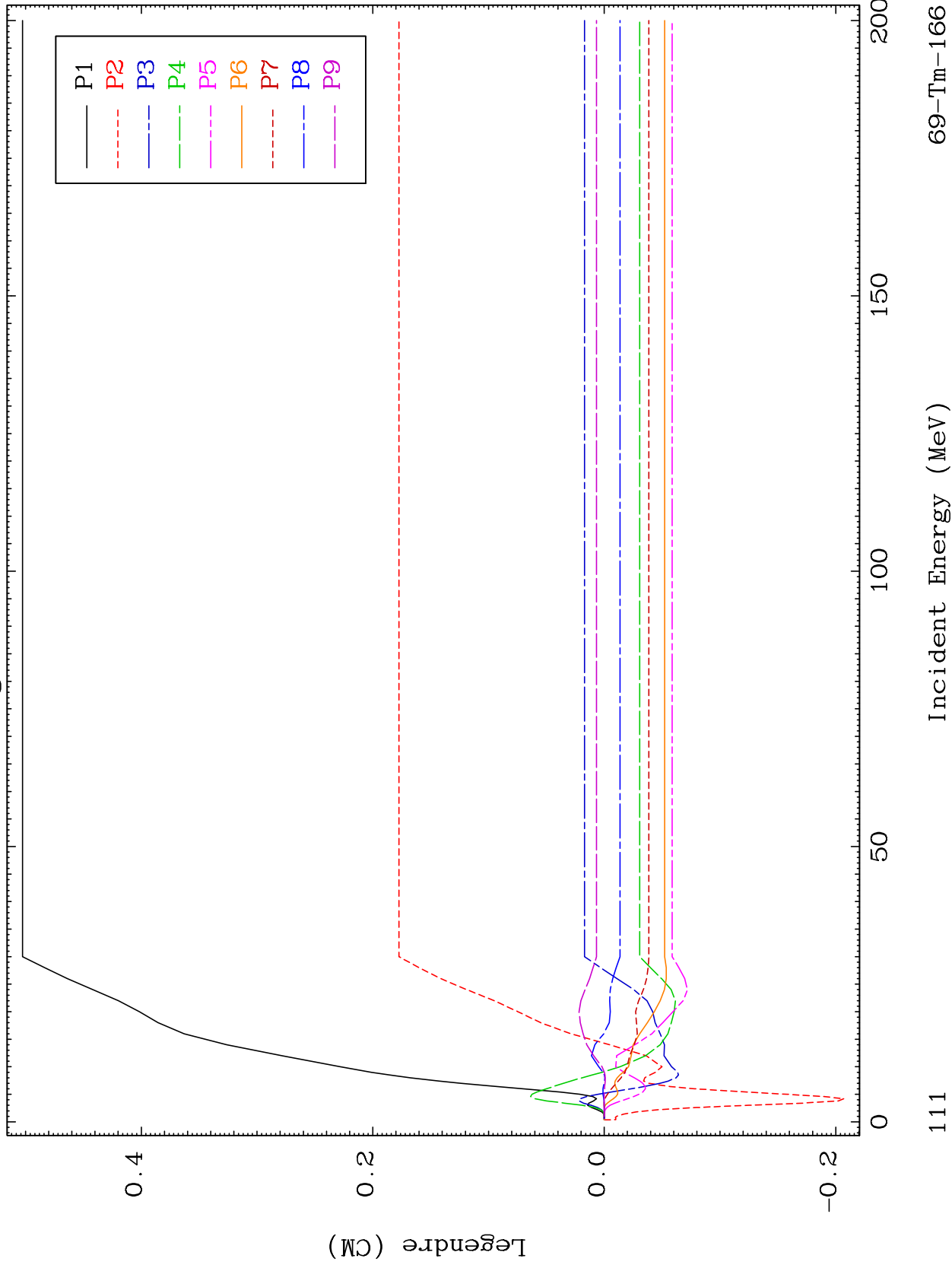


MAT 6916

MT= 76 (n,n') Level

69-Tm-166

Legendre Coefficients



111

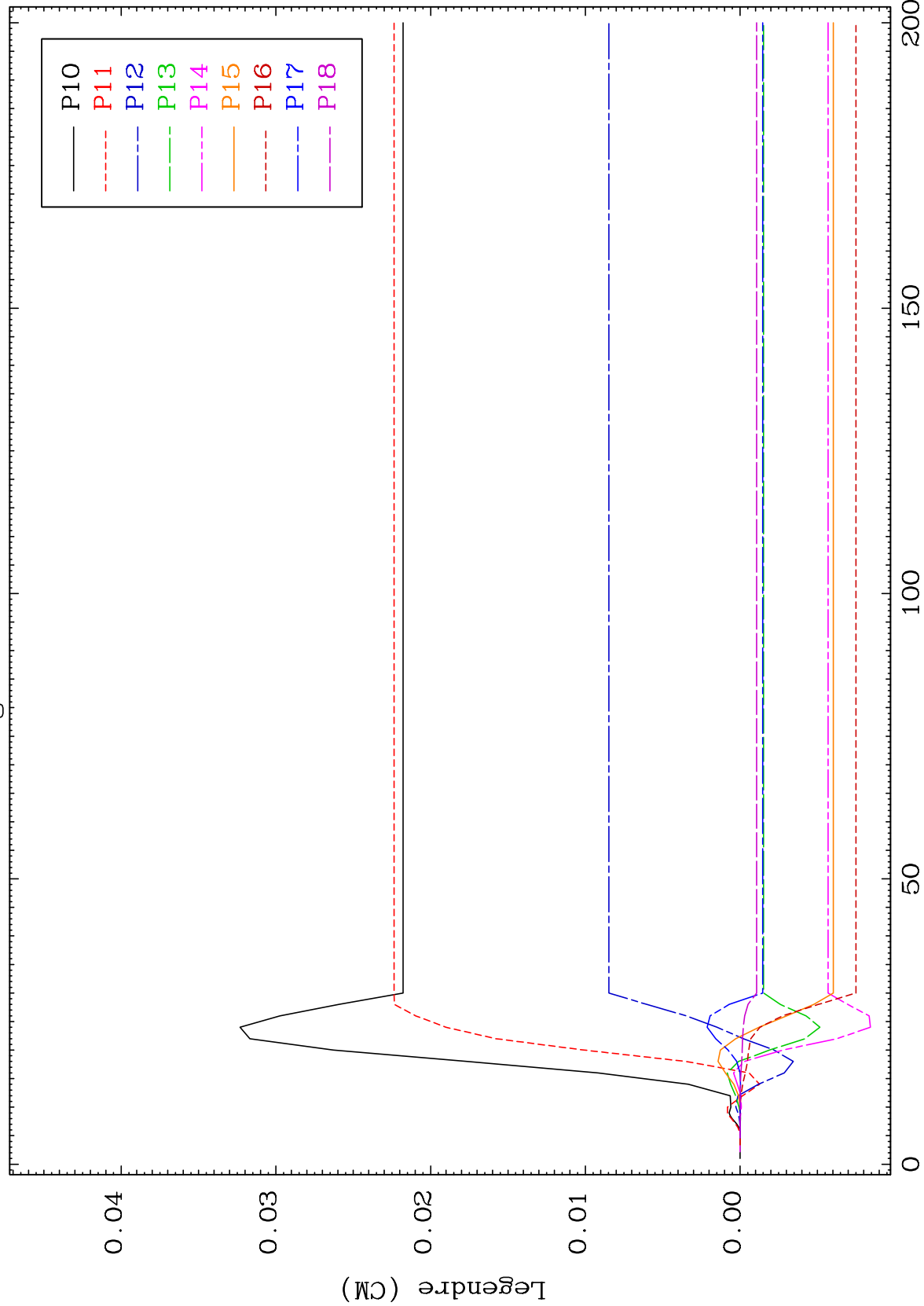
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



112

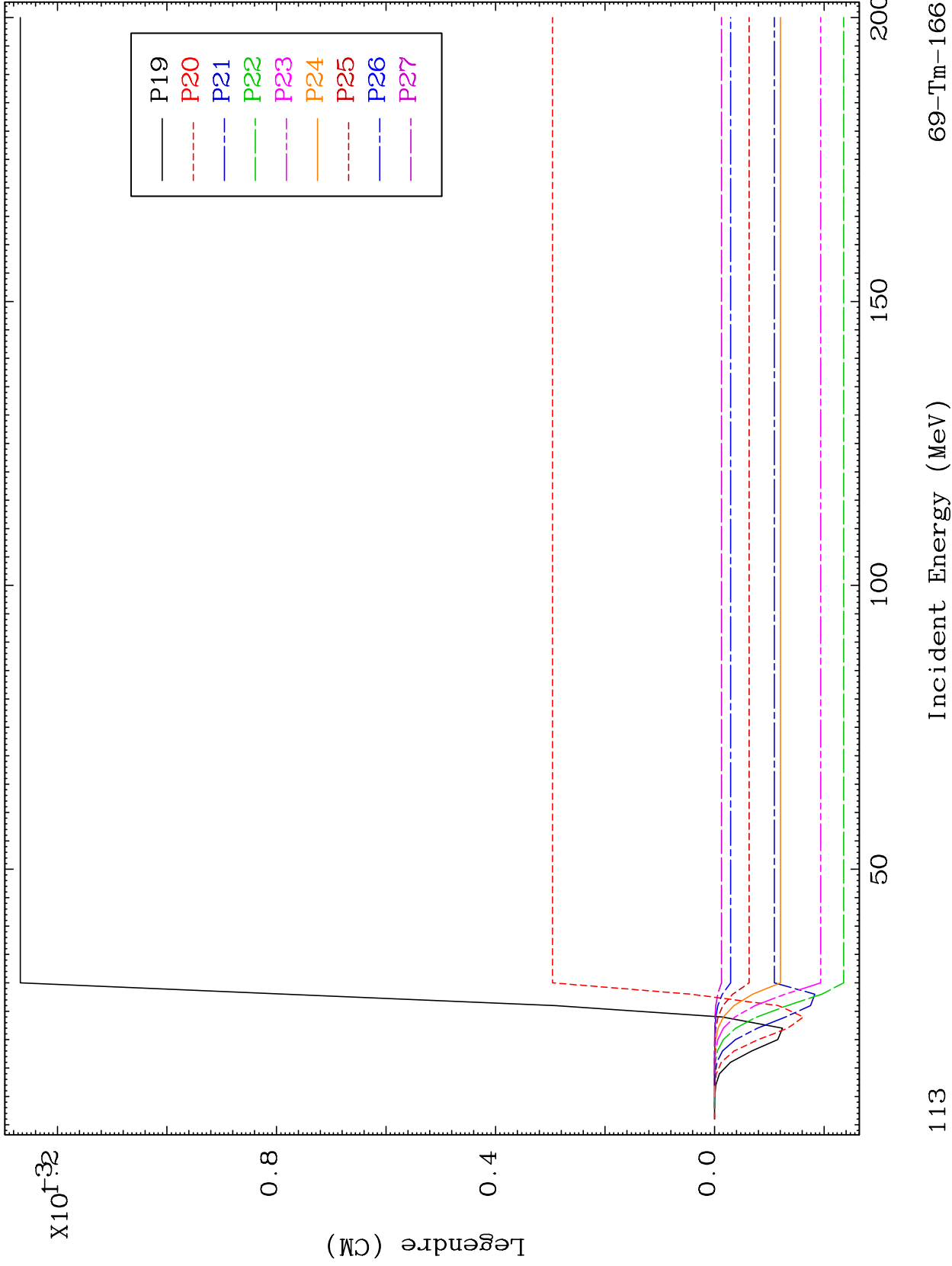
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



113

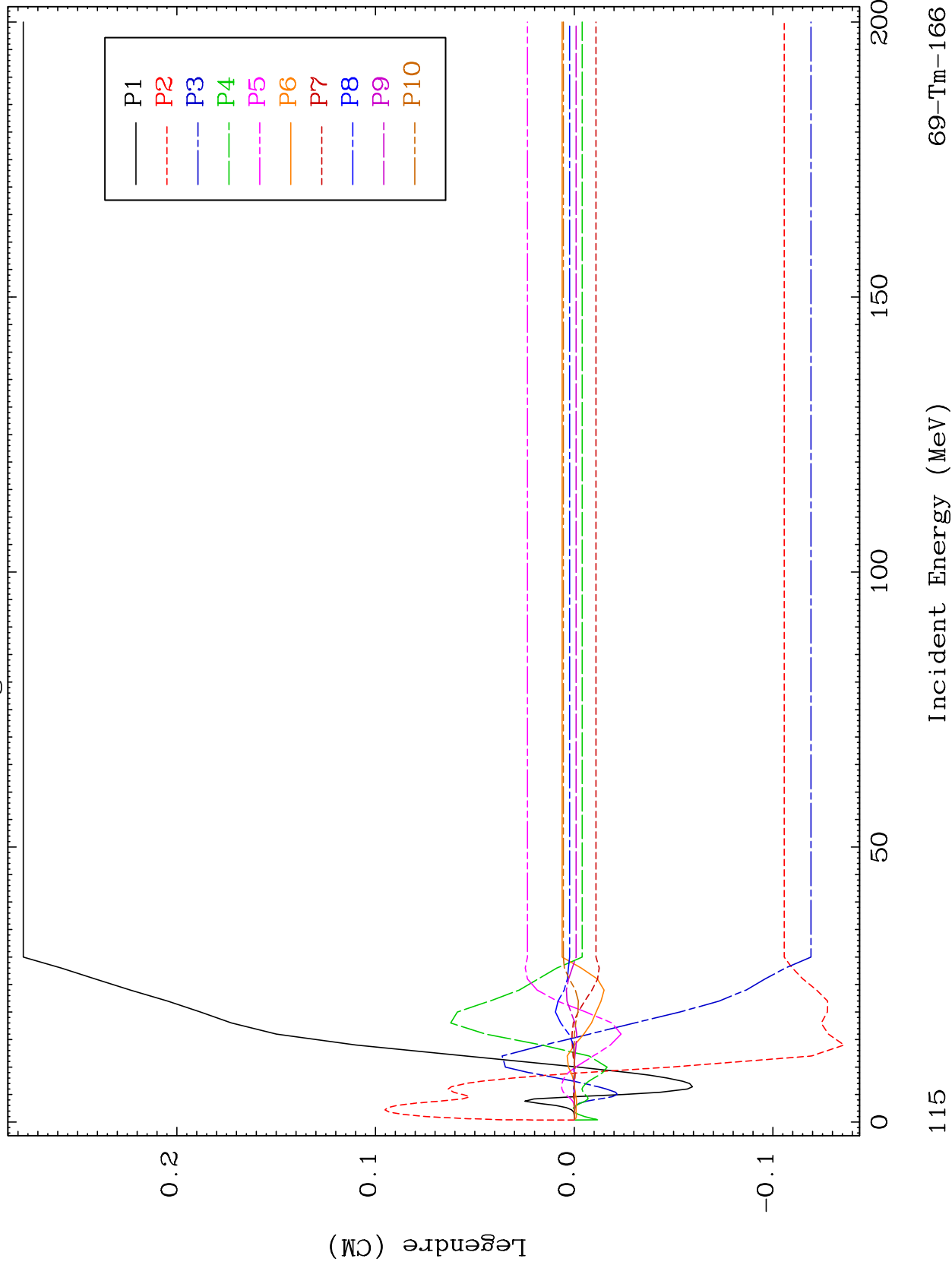
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



69-Tm-166

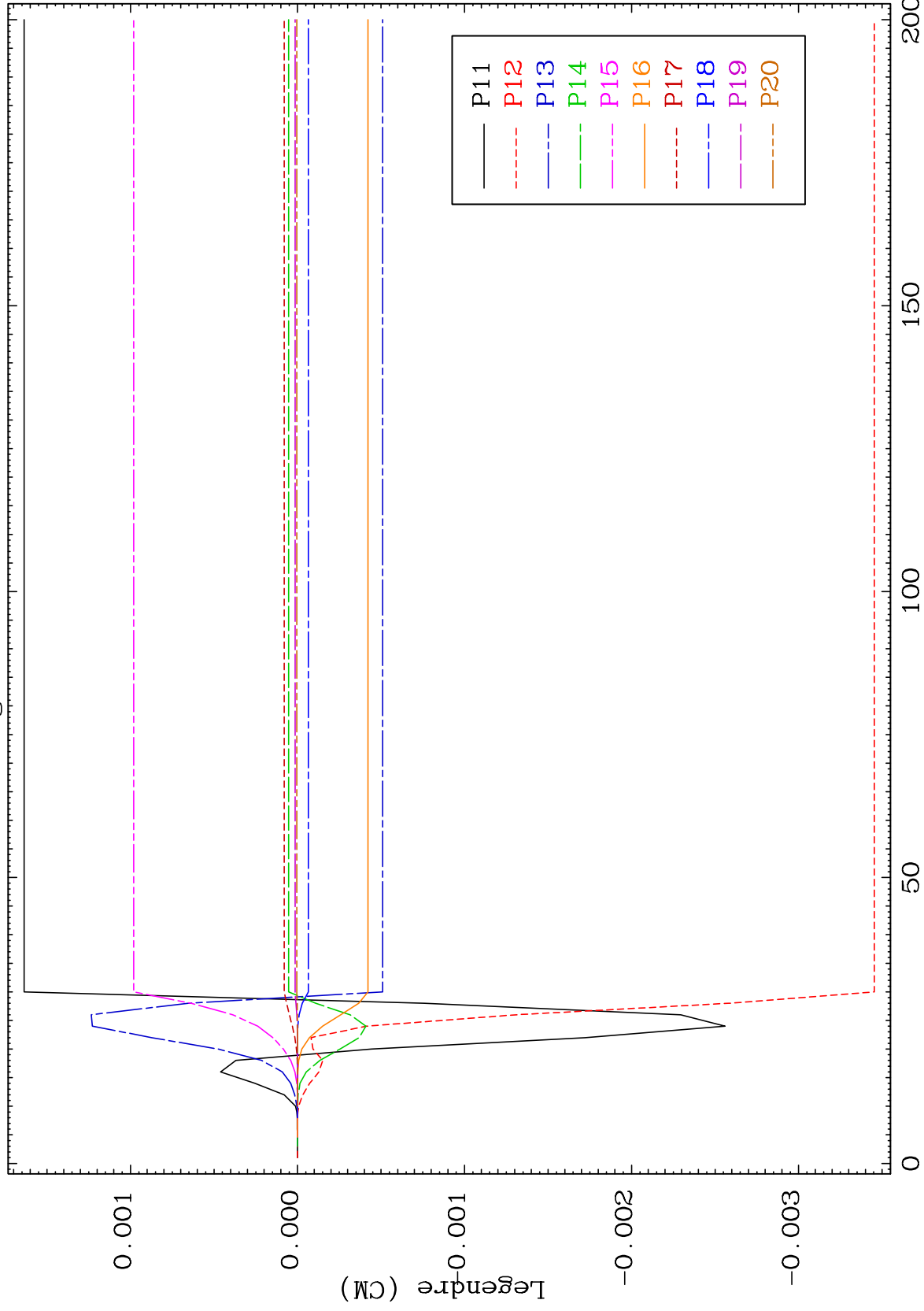
Incident Energy (MeV)

115

MAT 6916

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

69-Tm-166



116

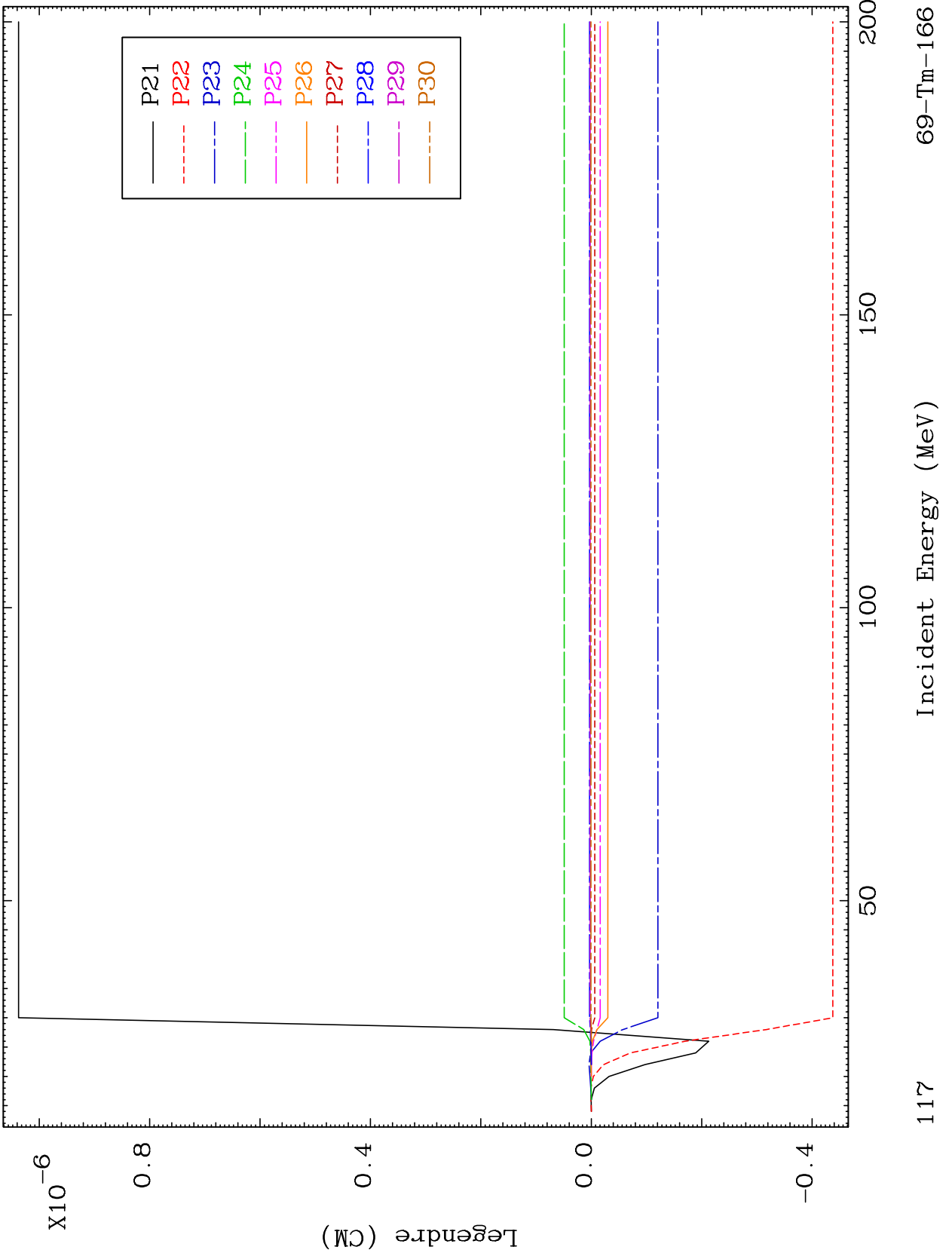
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

69-Tm-166



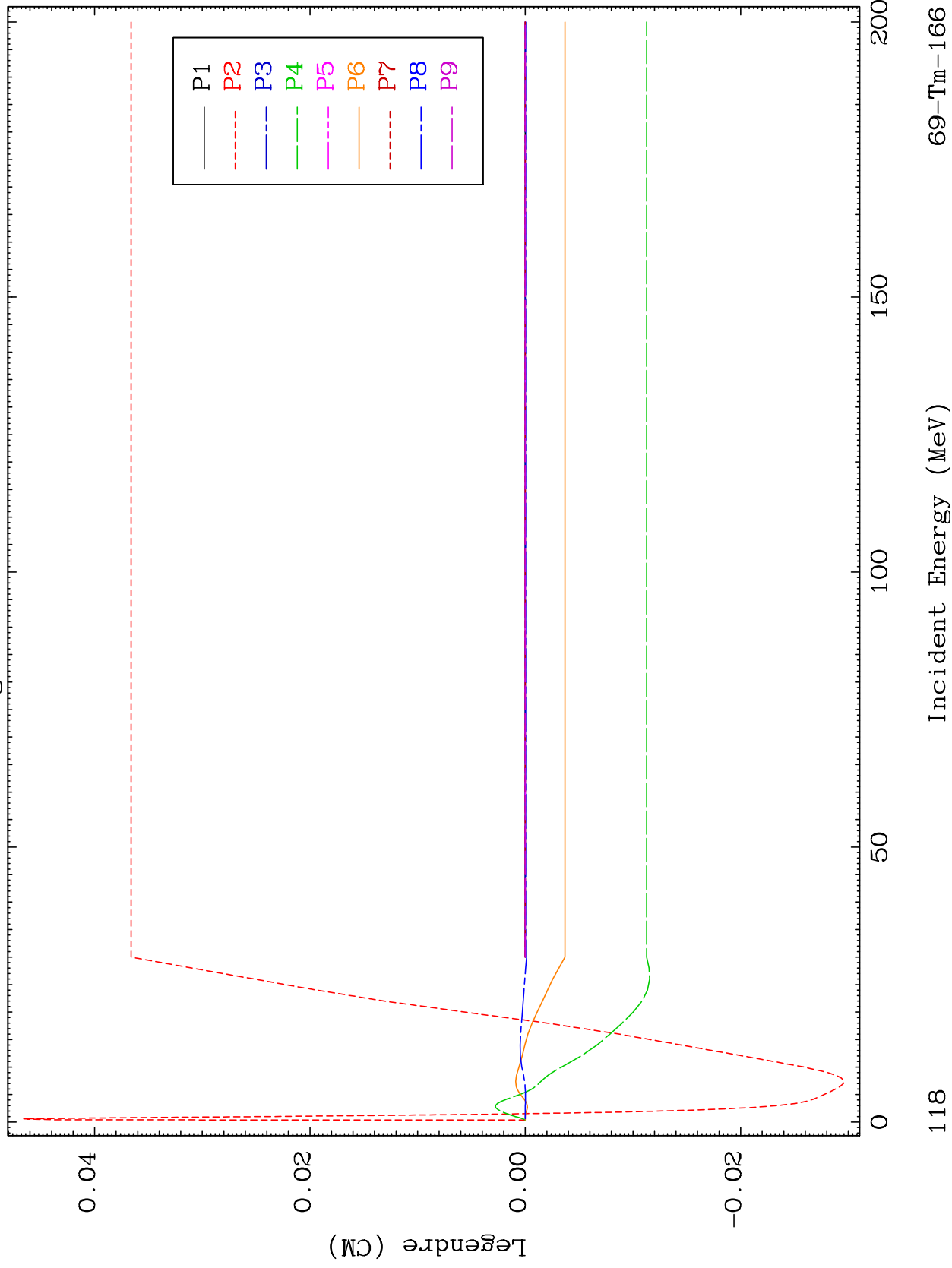
117

69-Tm-166

MAT 6916

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

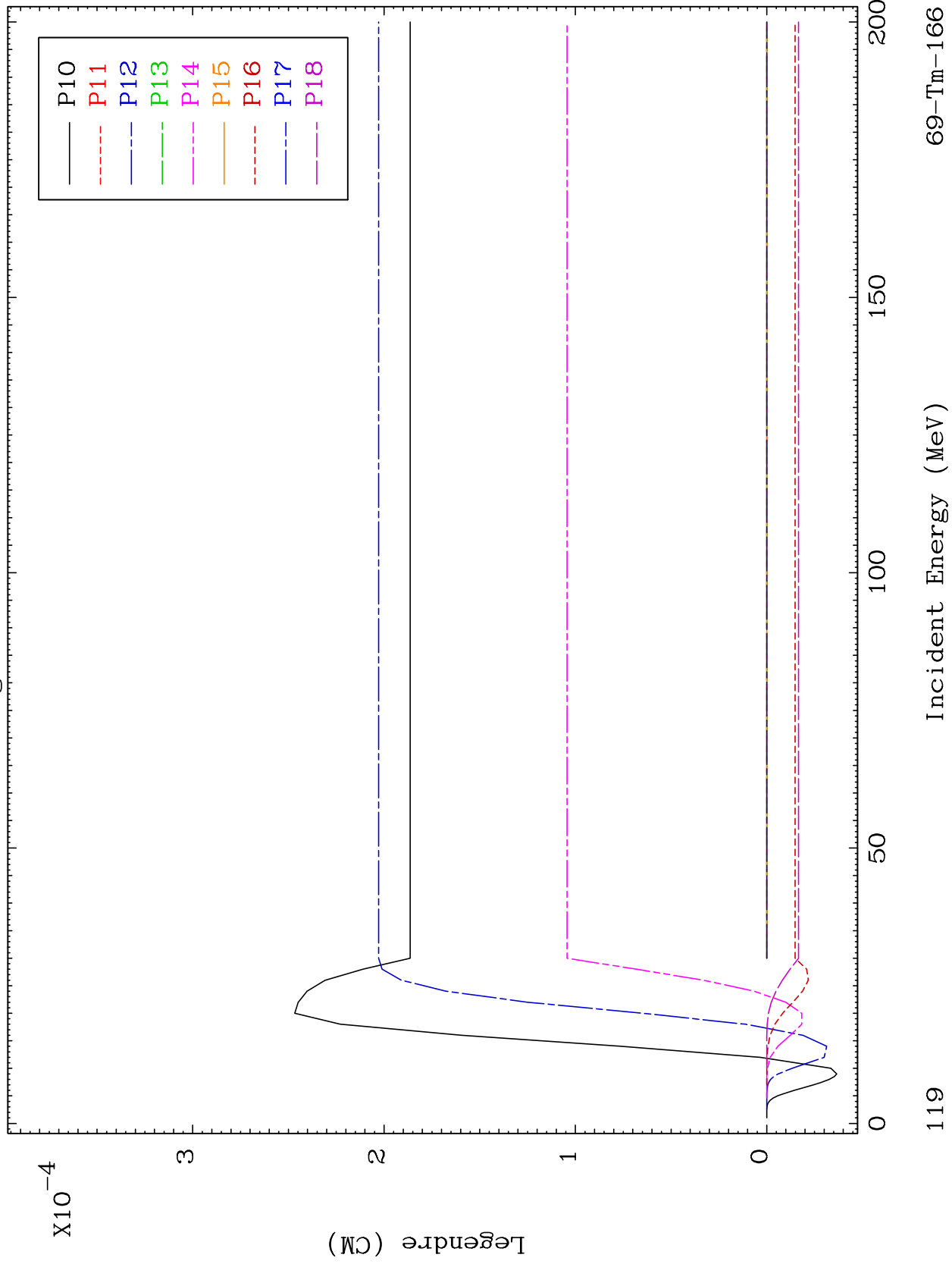
69-Tm-166



MAT 6916

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

69-Tm-166



119

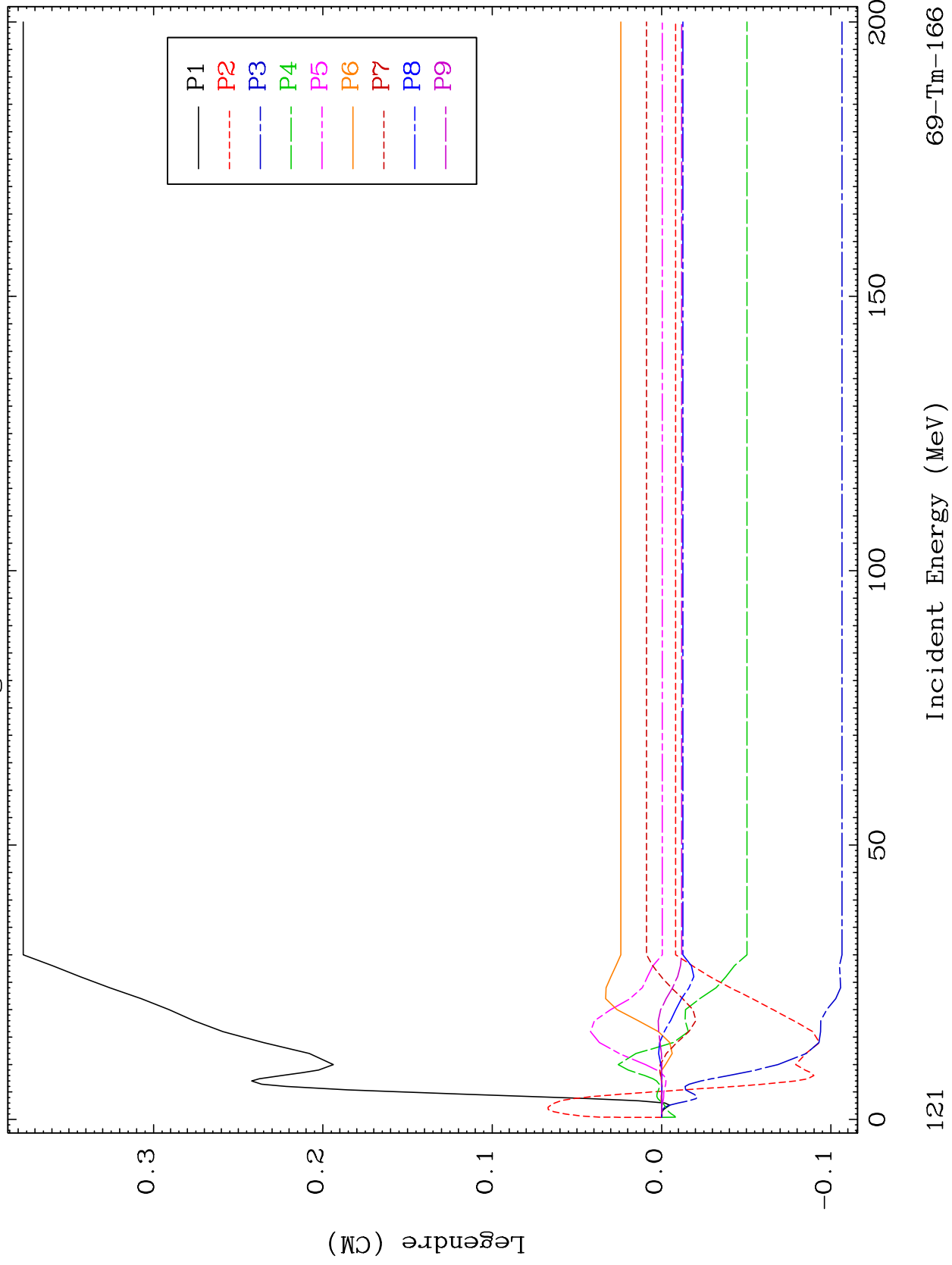
Incident Energy (MeV)

69-Tm-166

MAT 6916

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

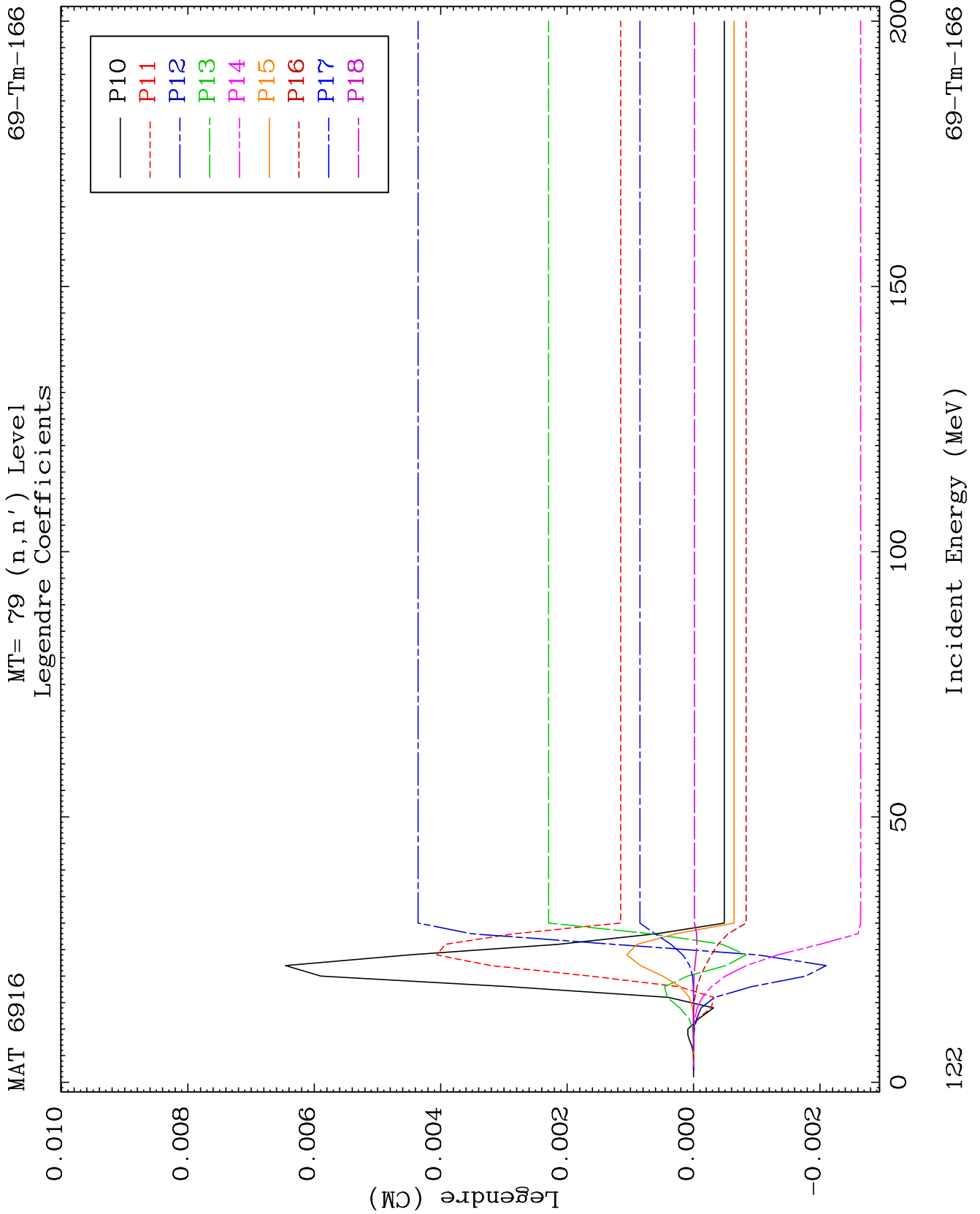
69-Tm-166



69-Tm-166

Incident Energy (MeV)

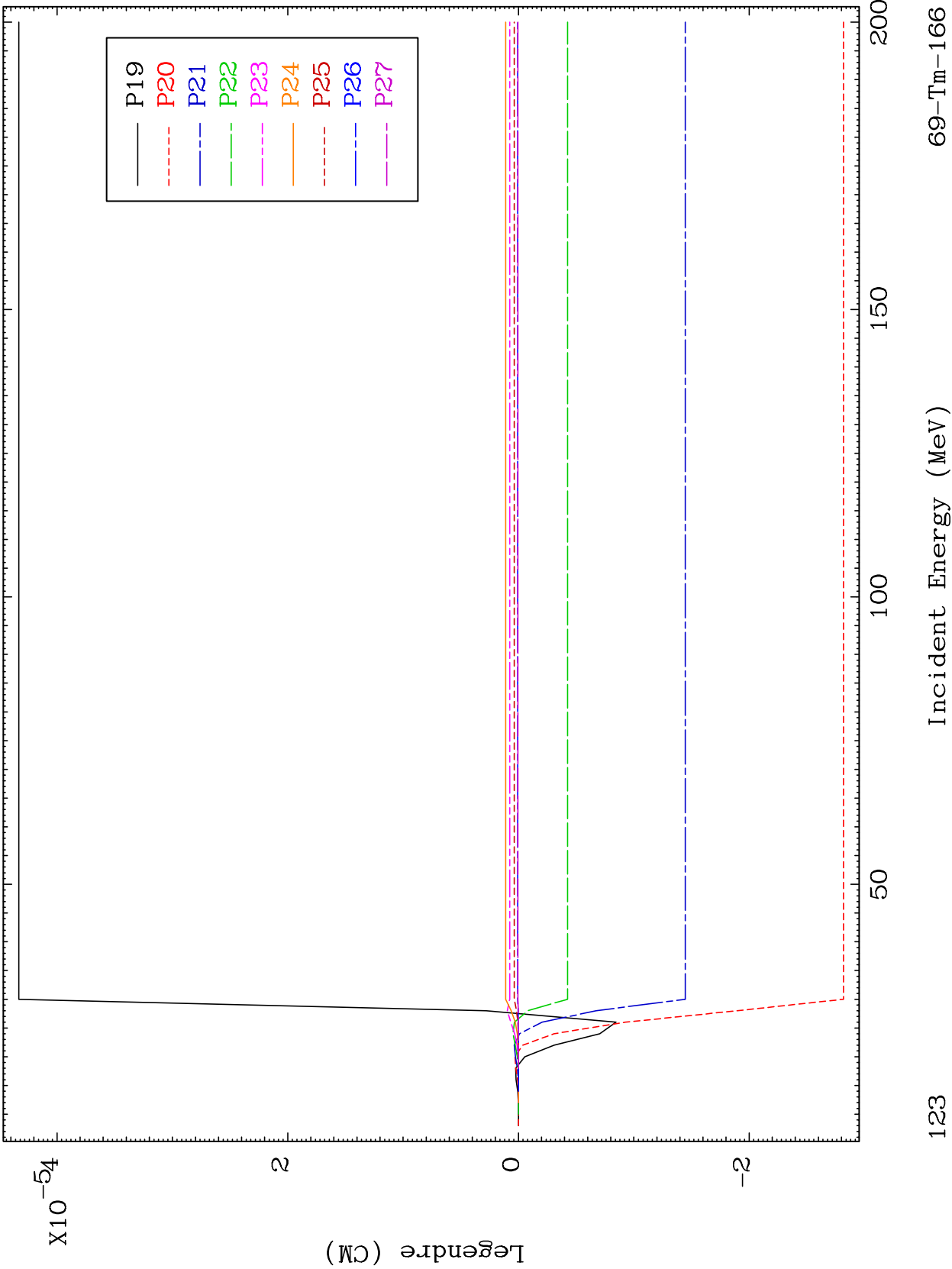
121



MAT 6916

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

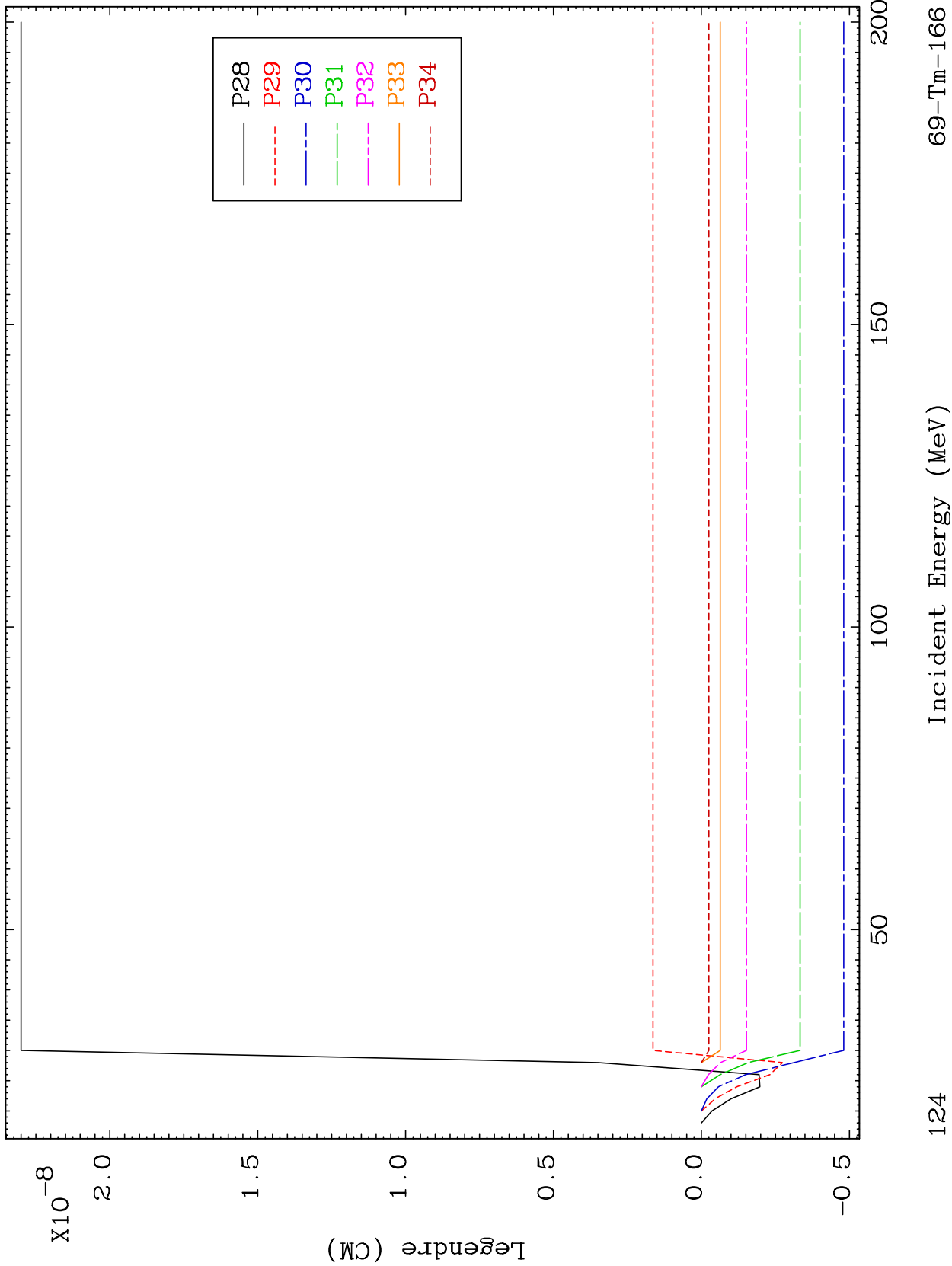
69-Tm-166



MAT 6916

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

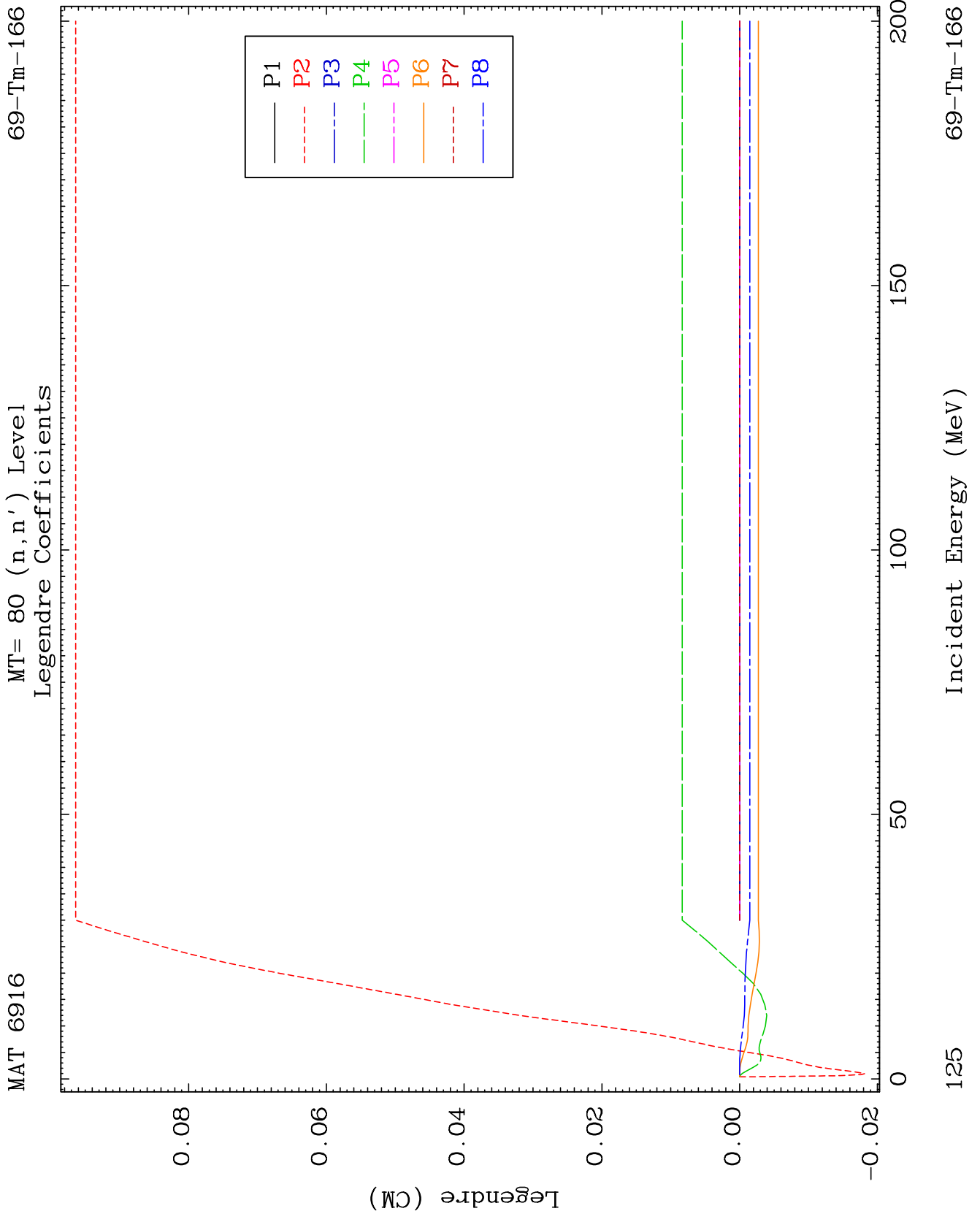
69-Tm-166



124

Incident Energy (MeV)

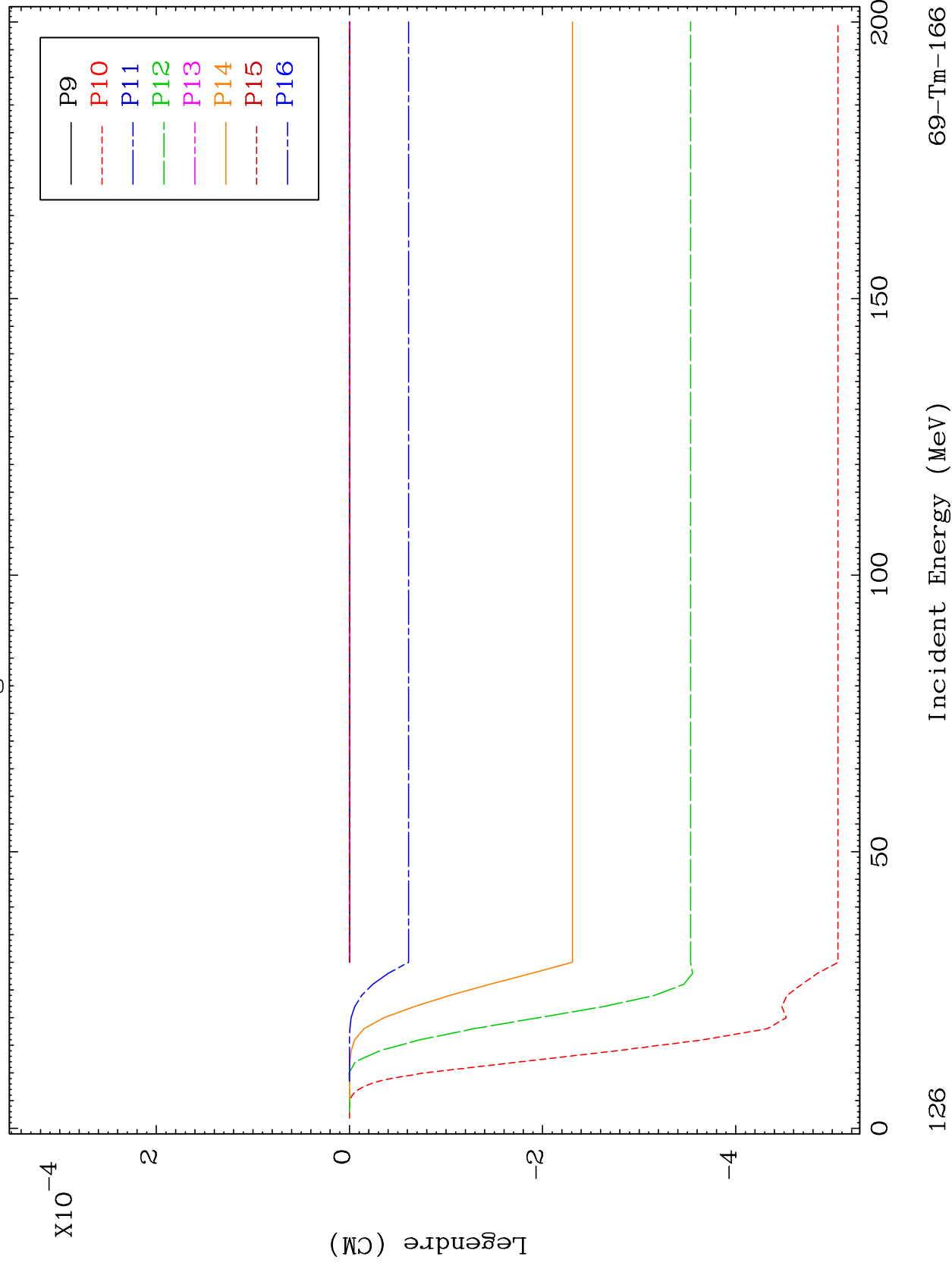
69-Tm-166



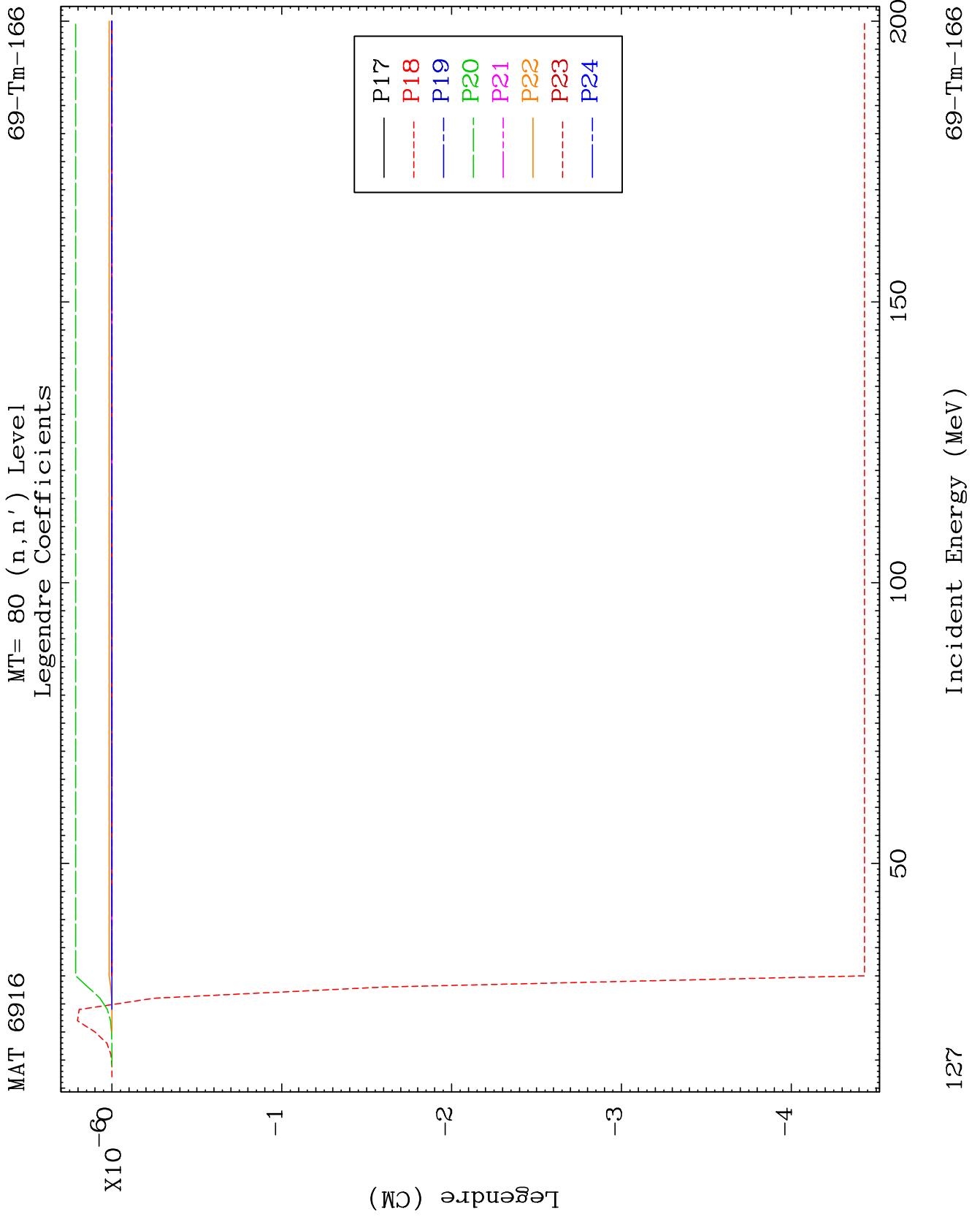
MAT 6916

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

69-Tm-166



126

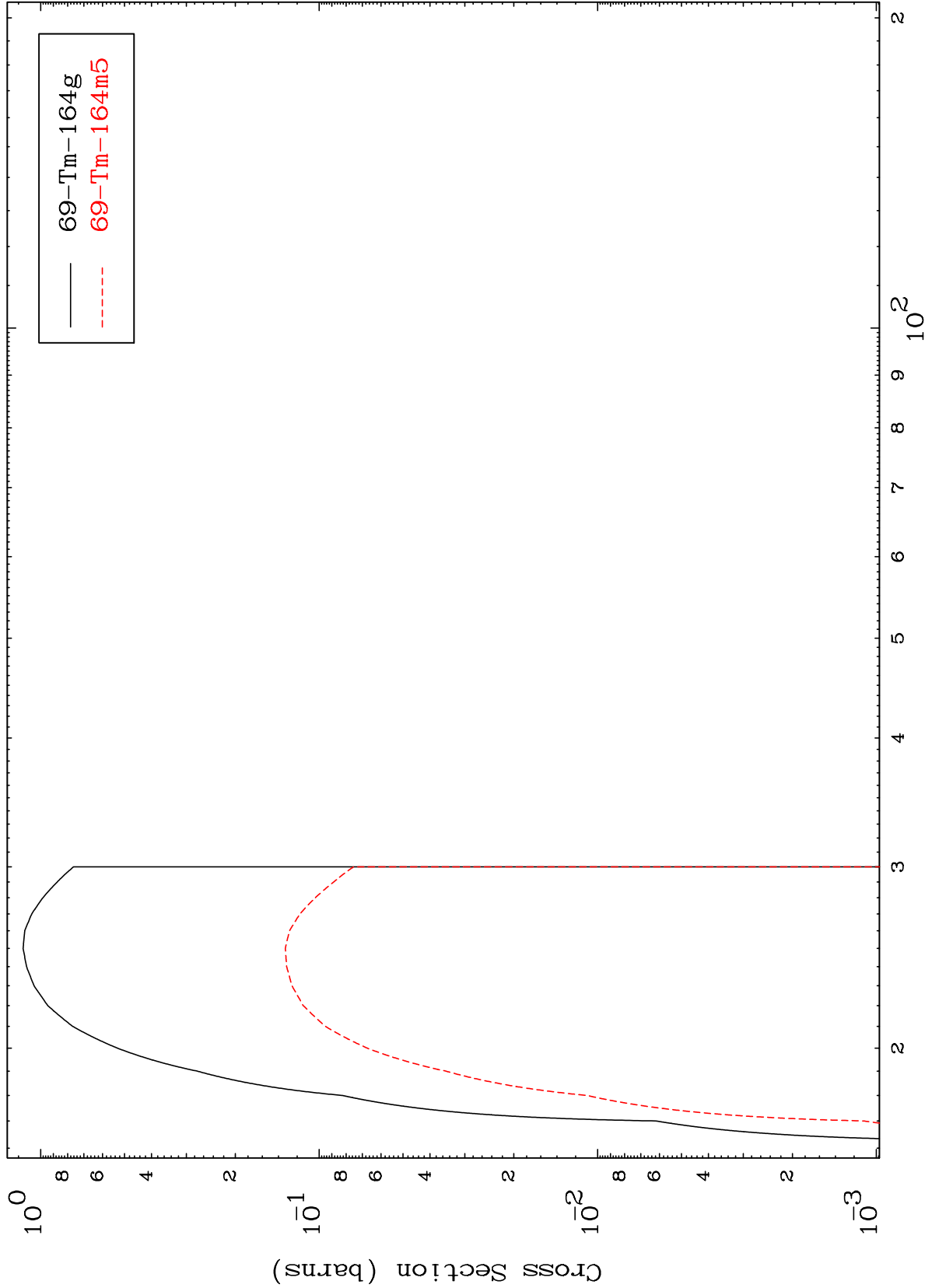


MAT 6916

(n,3n)

69-Tm-166

Radionuclide Production Cross Section



128

Incident Energy (MeV)

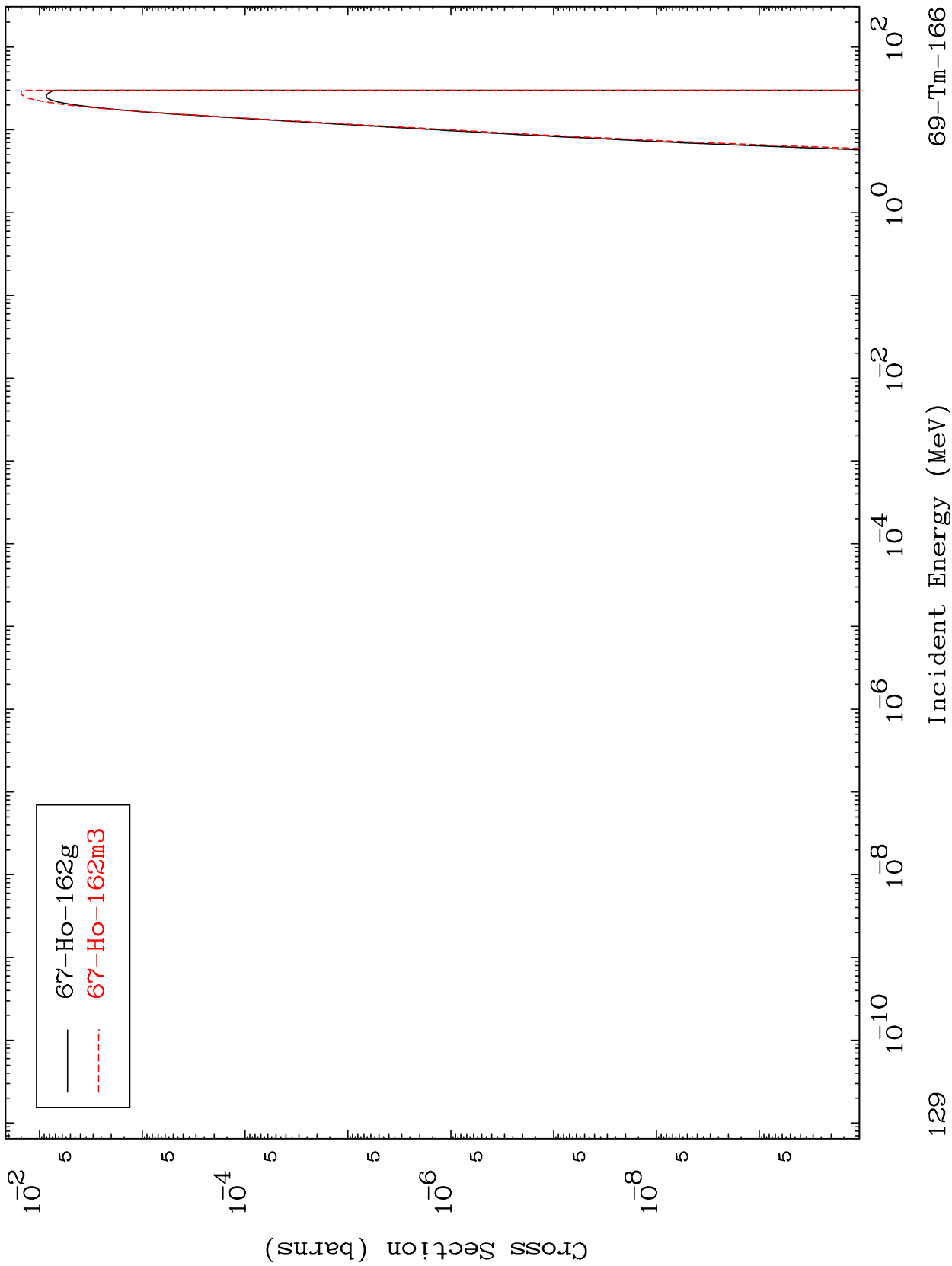
69-Tm-166

MAT 6916

$(n, n') \alpha$

69-Tm-166

Radionuclide Production Cross Section

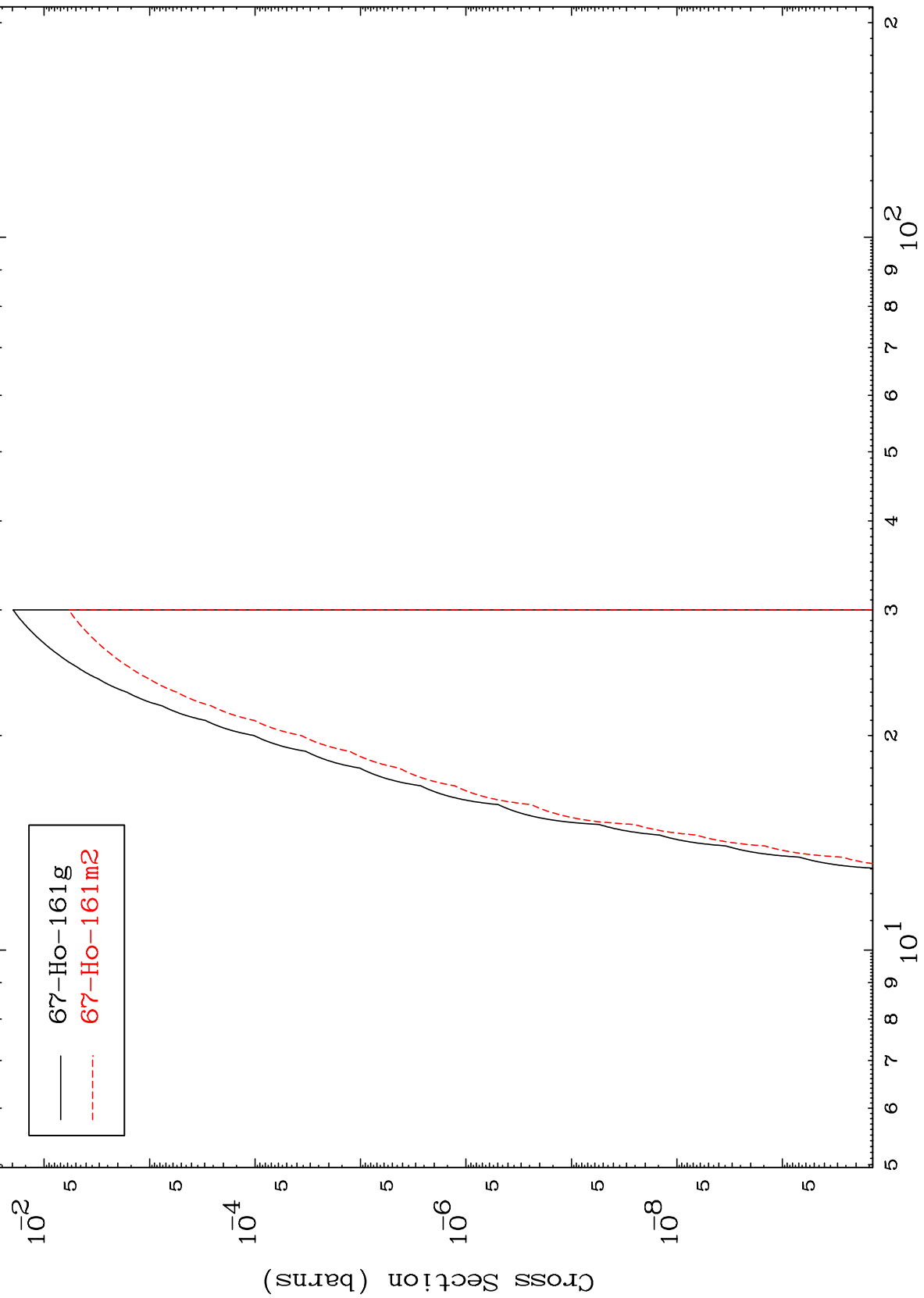


MAT 6916

$(n,2n) \alpha$

69-Tm-166

Radionuclide Production Cross Section



130

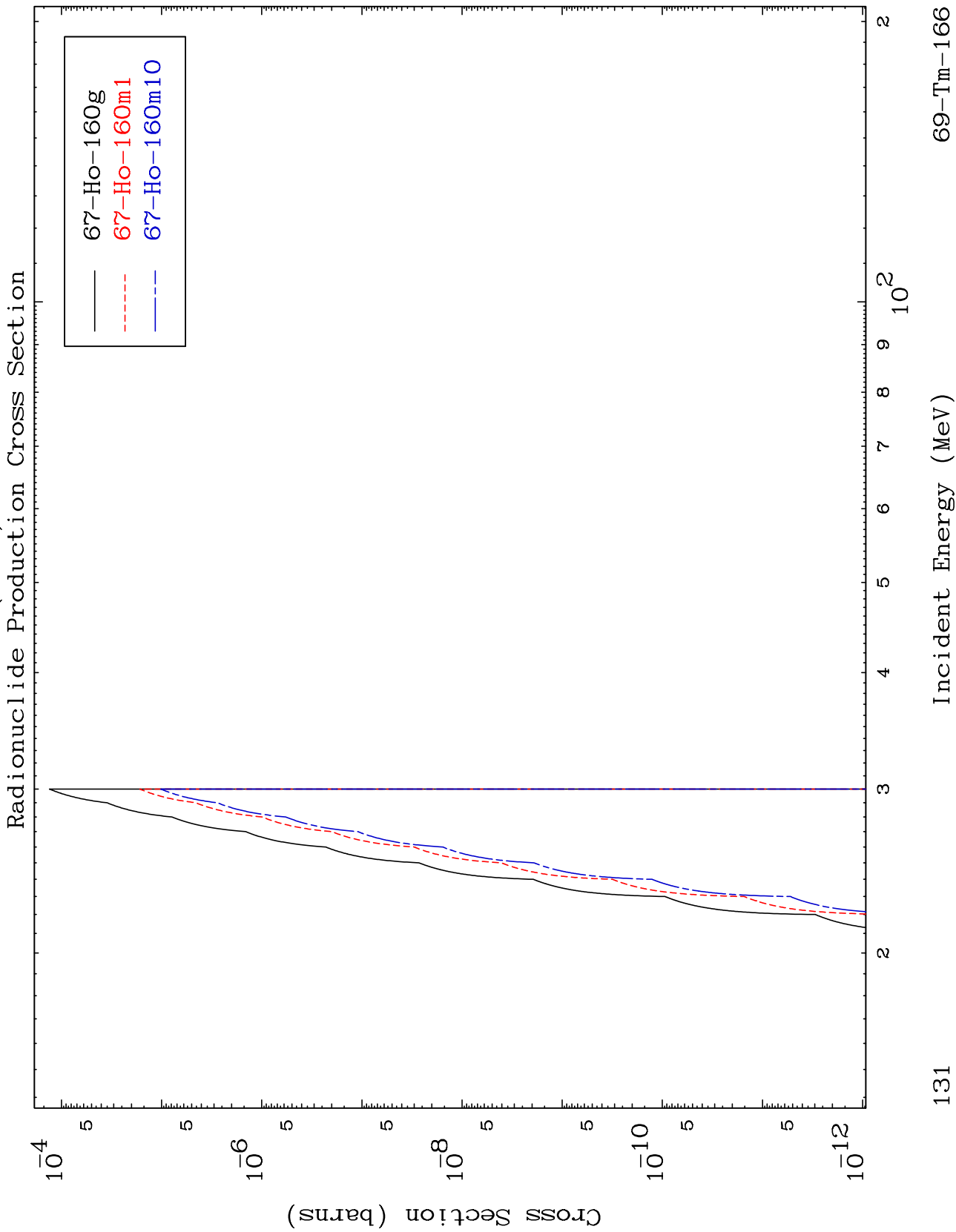
Incident Energy (MeV)

69-Tm-166

MAT 6916

(n,3n) α

69-Tm-166



131

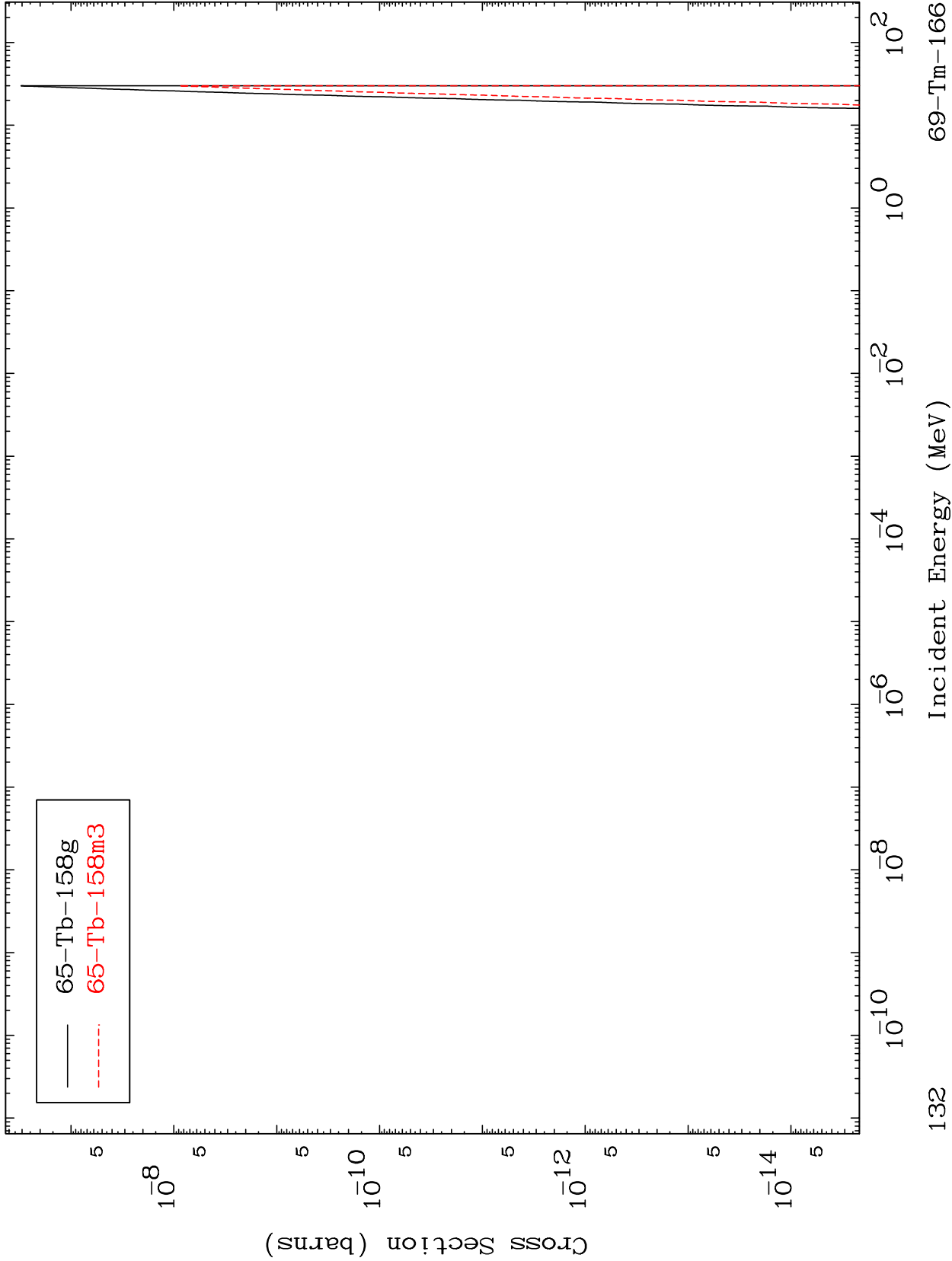
69-Tm-166

MAT 6916

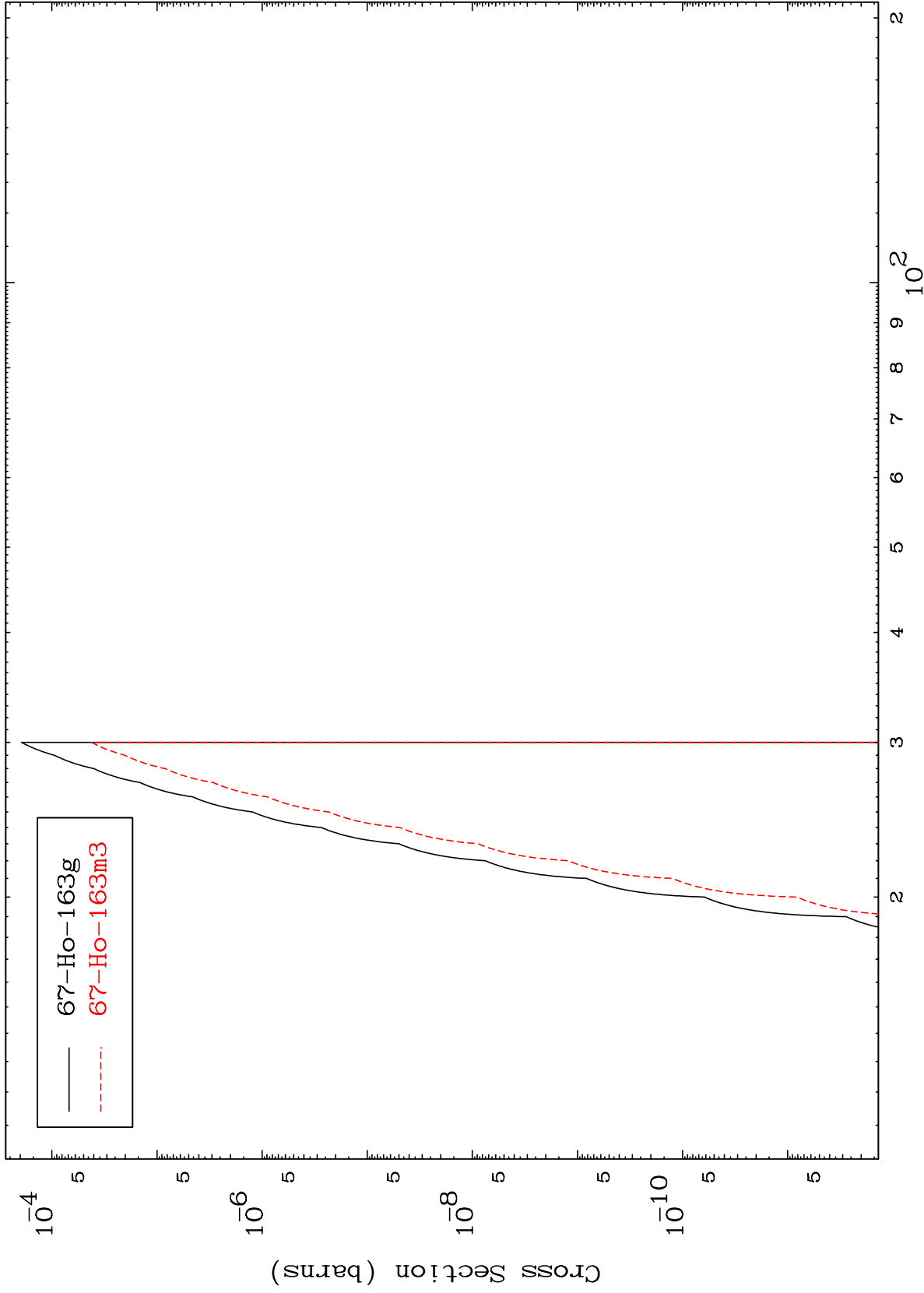
(n,n') 2α

69-Tm-166

Radionuclide Production Cross Section



Radionuclide Production Cross Section

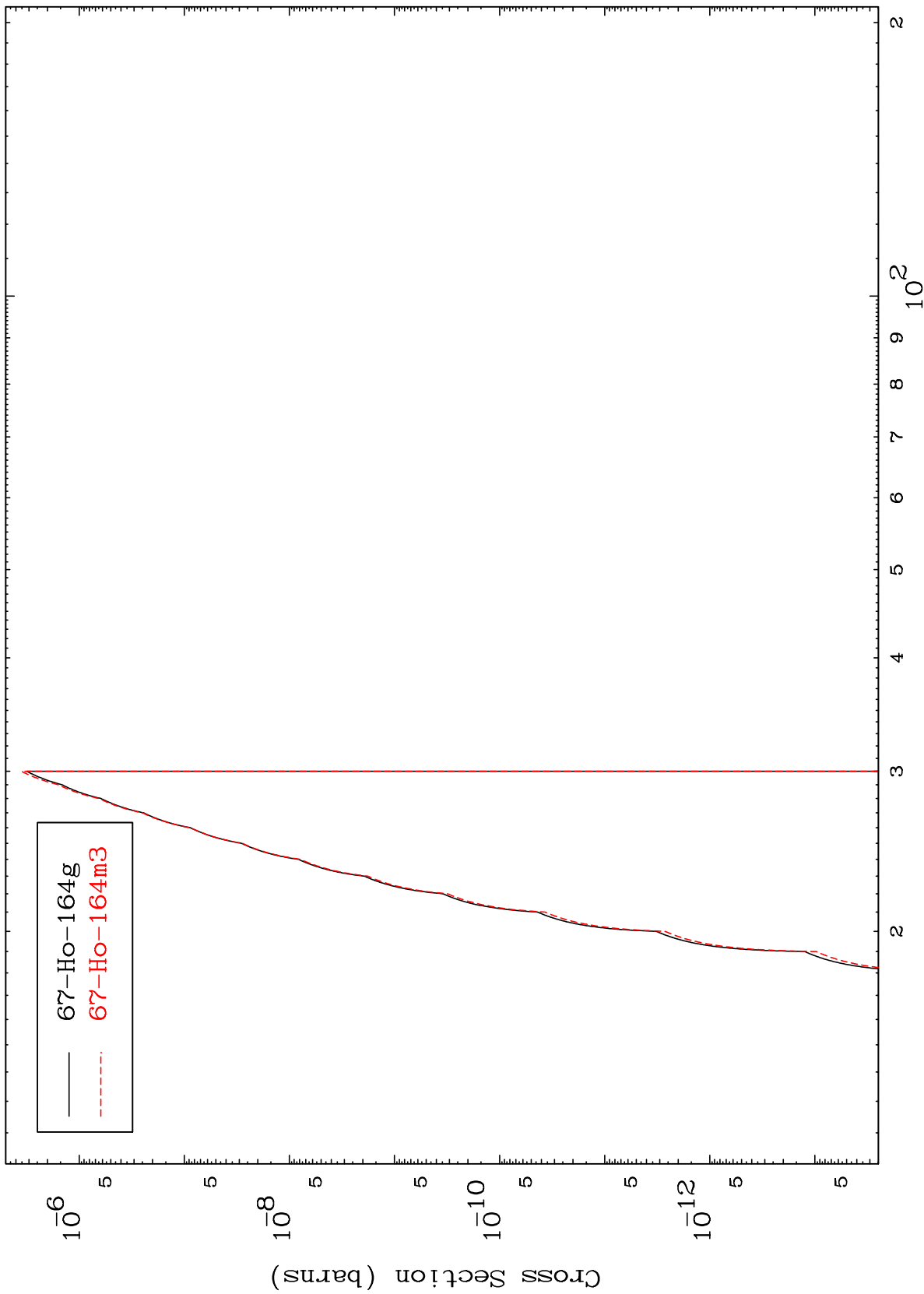


MAT 6916

(n,2n) p

69-Tm-166

Radionuclide Production Cross Section



134

Incident Energy (MeV)

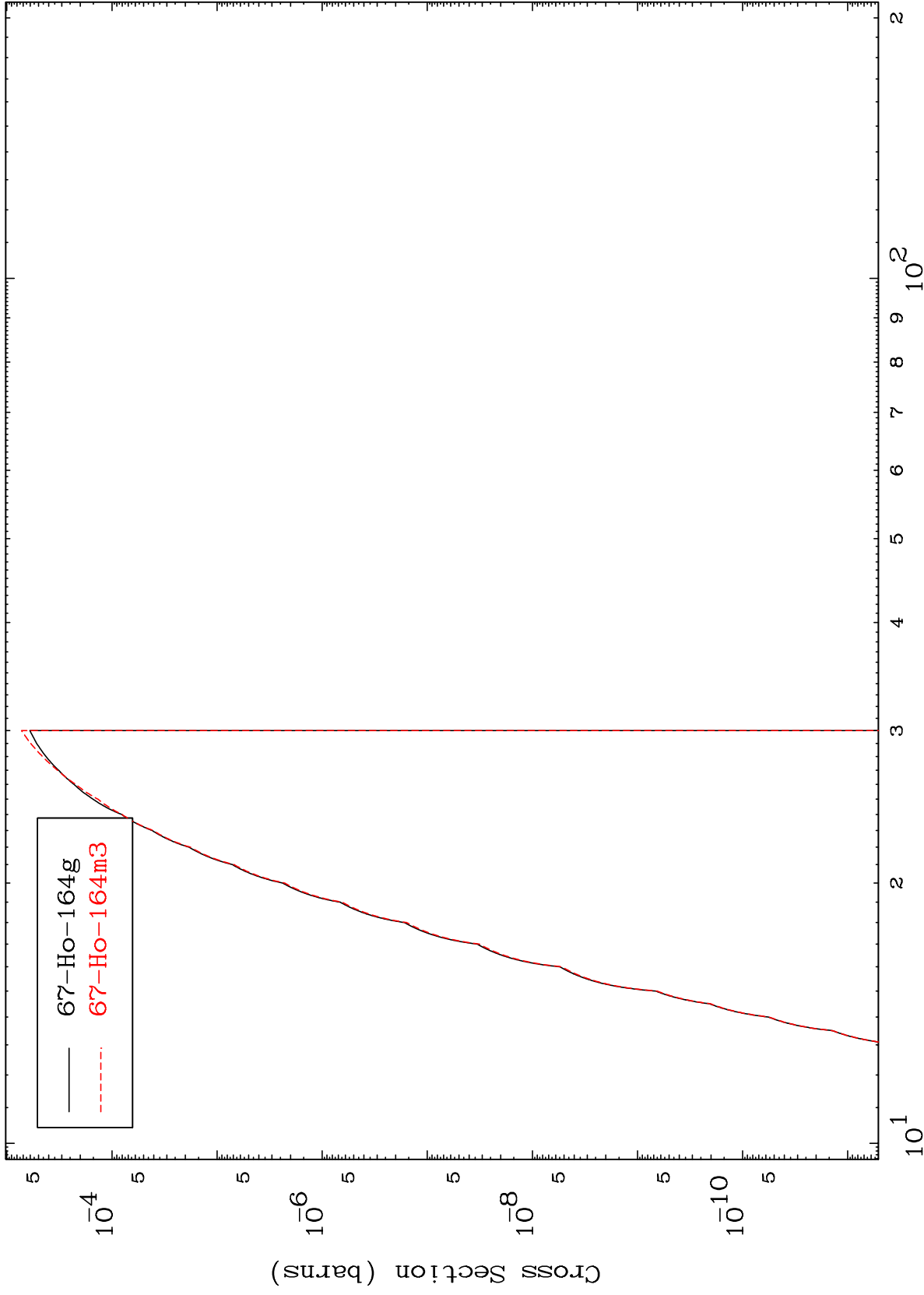
69-Tm-166

MAT 6916

(n,He-3)

69-Tm-166

Radionuclide Production Cross Section



Incident Energy (MeV)

69-Tm-166

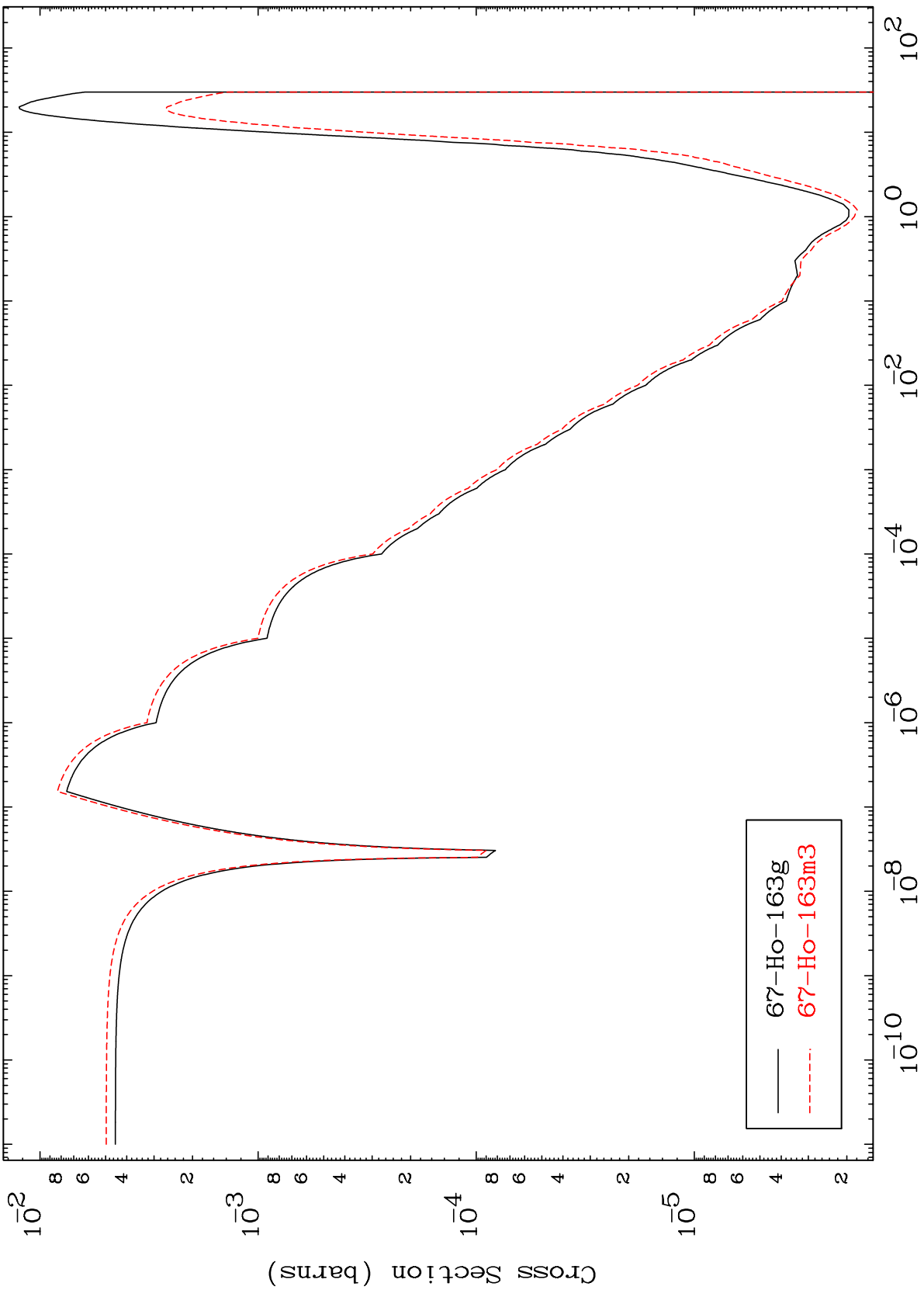
135

MAT 6916

(n, α)

69-Tm-166

Radionuclide Production Cross Section



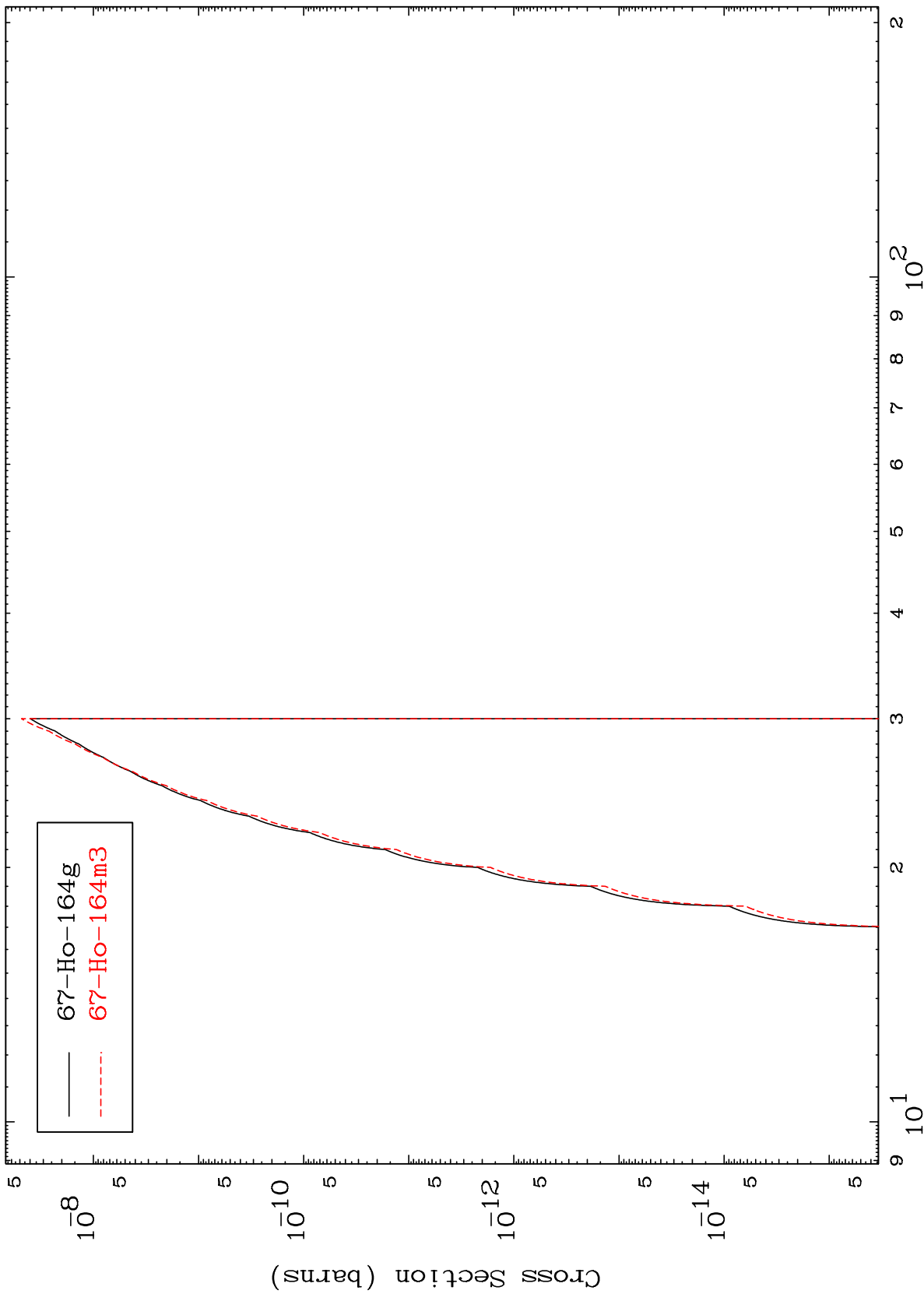
— 67-Ho-163g
- - - 67-Ho-163m3

MAT 6916

(n,p) d

69-Tm-166

Radionuclide Production Cross Section



137

Incident Energy (MeV)

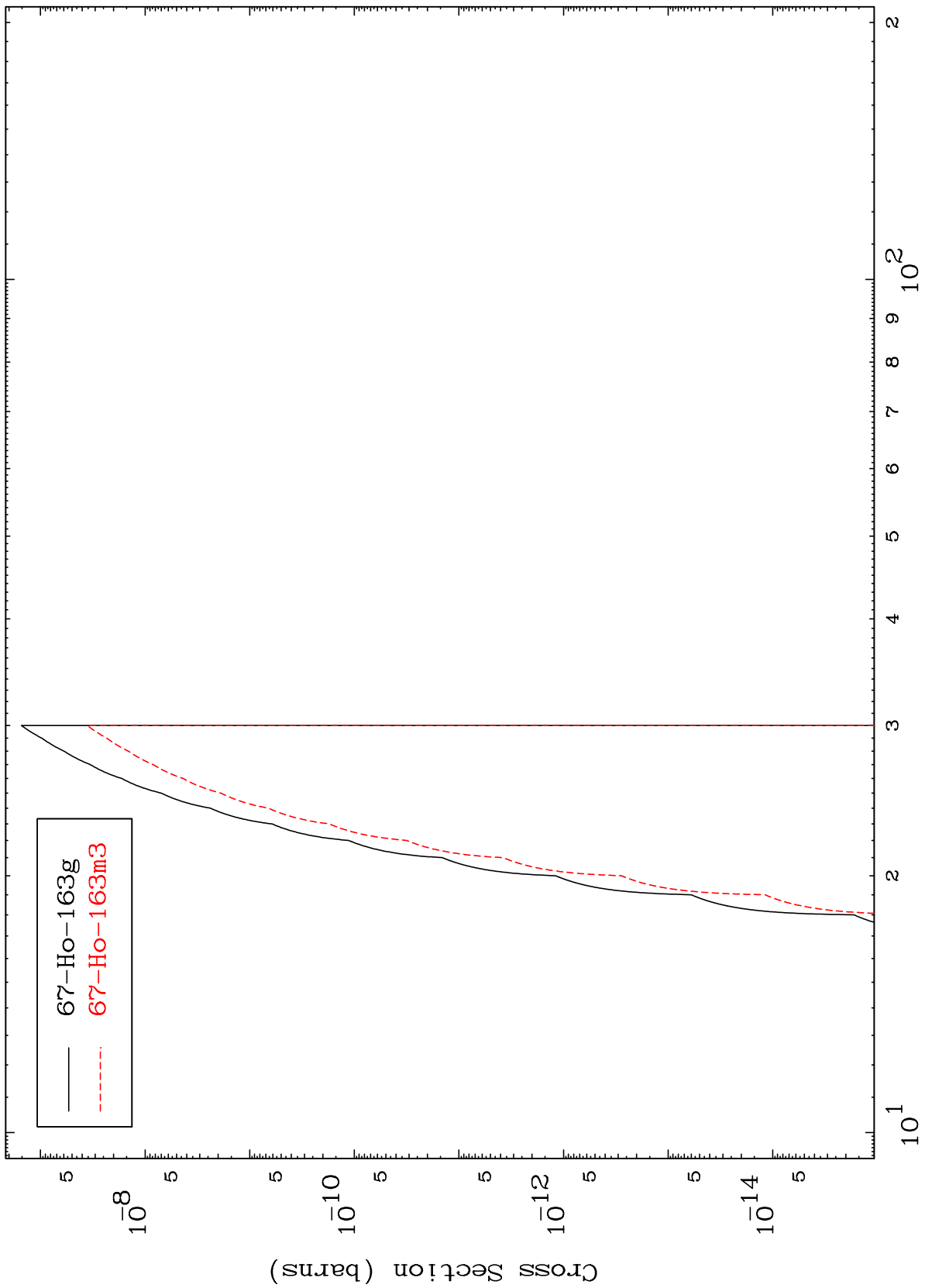
69-Tm-166

MAT 6916

(n,p) t

69-Tm-166

Radionuclide Production Cross Section



138

Incident Energy (MeV)

69-Tm-166