

Program EVALPLOT
(Version 2015-2)

by

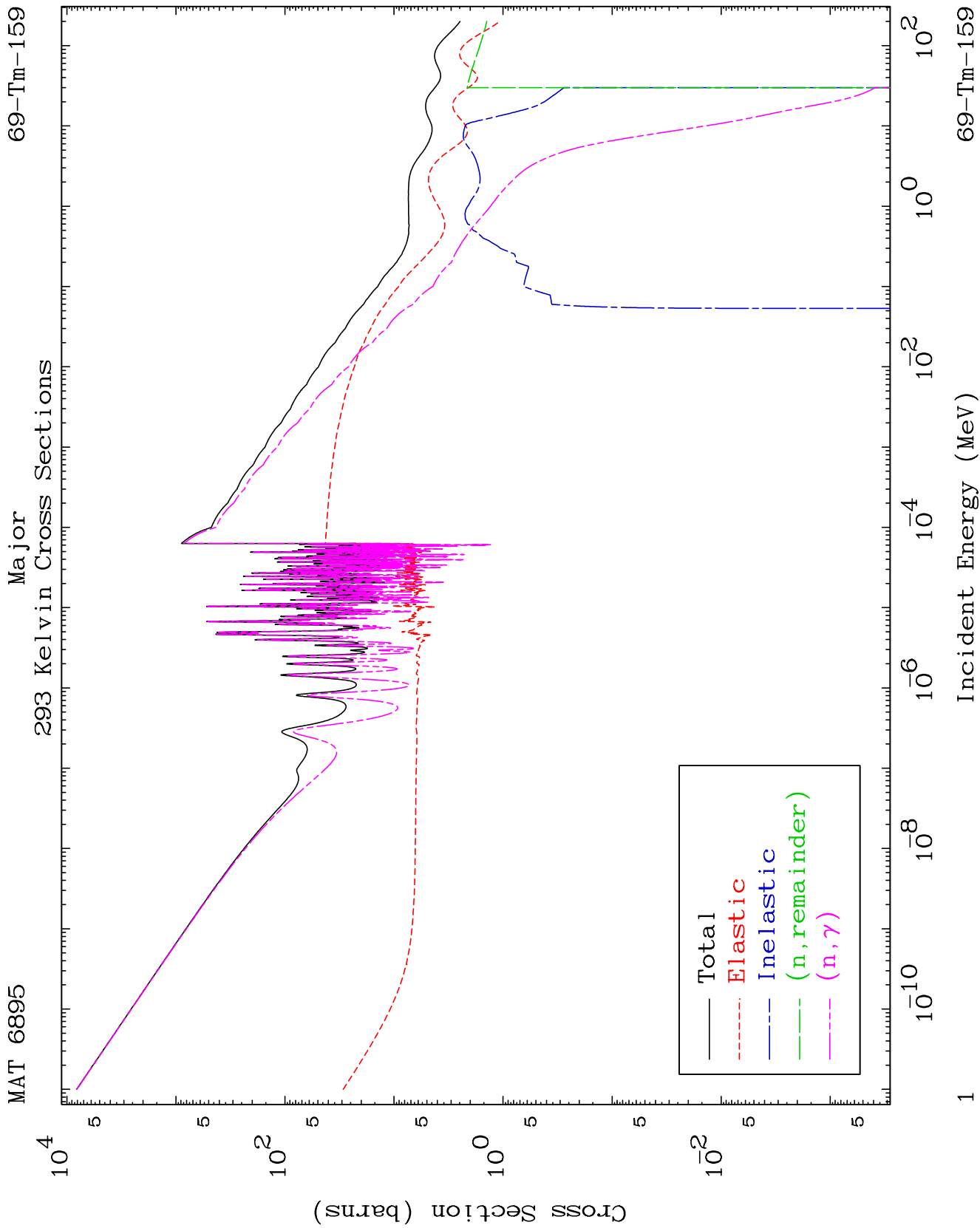
Dermott E. Cullen
(Present Contact Information)

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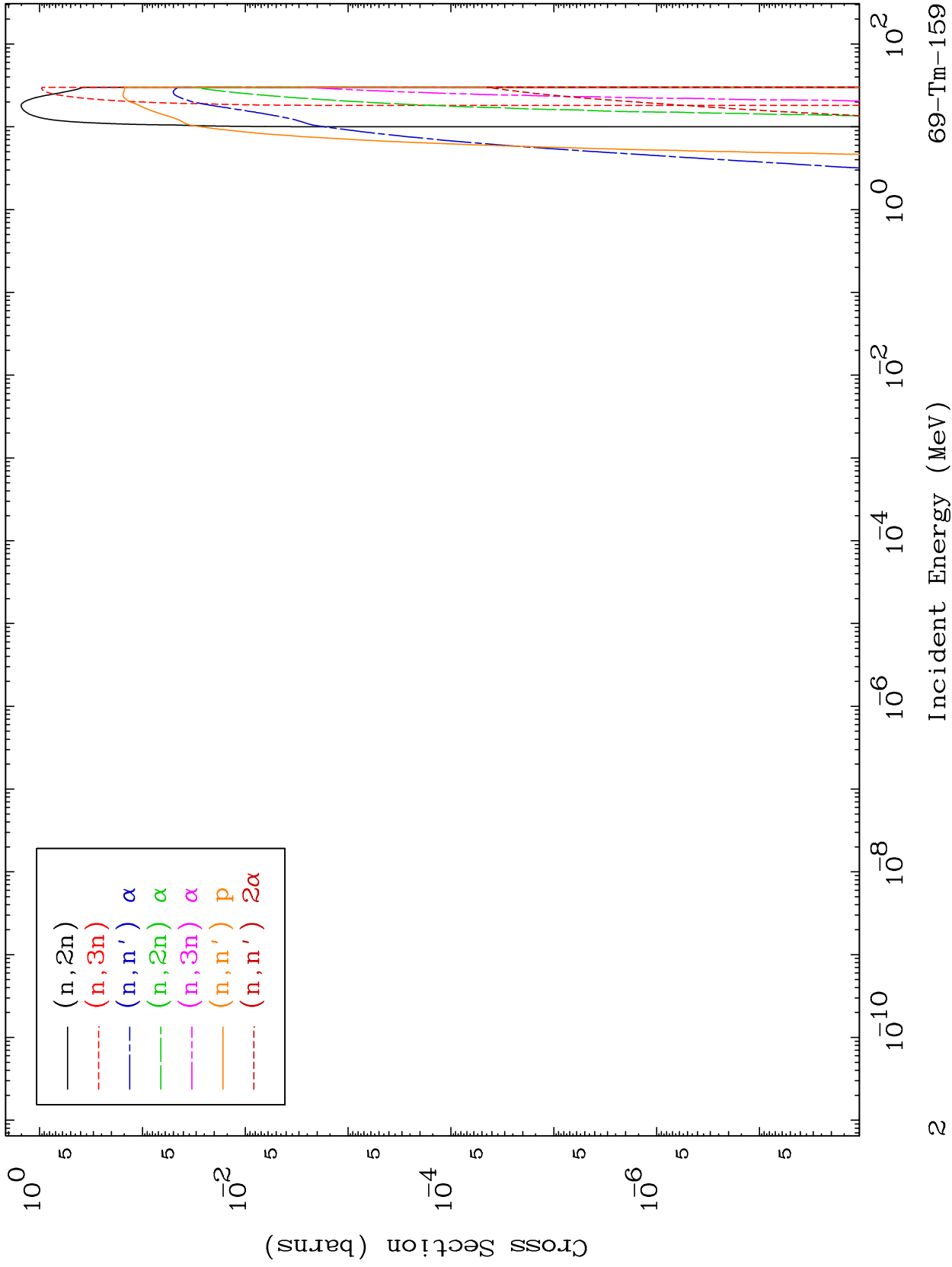
Press Mouse Button to Start

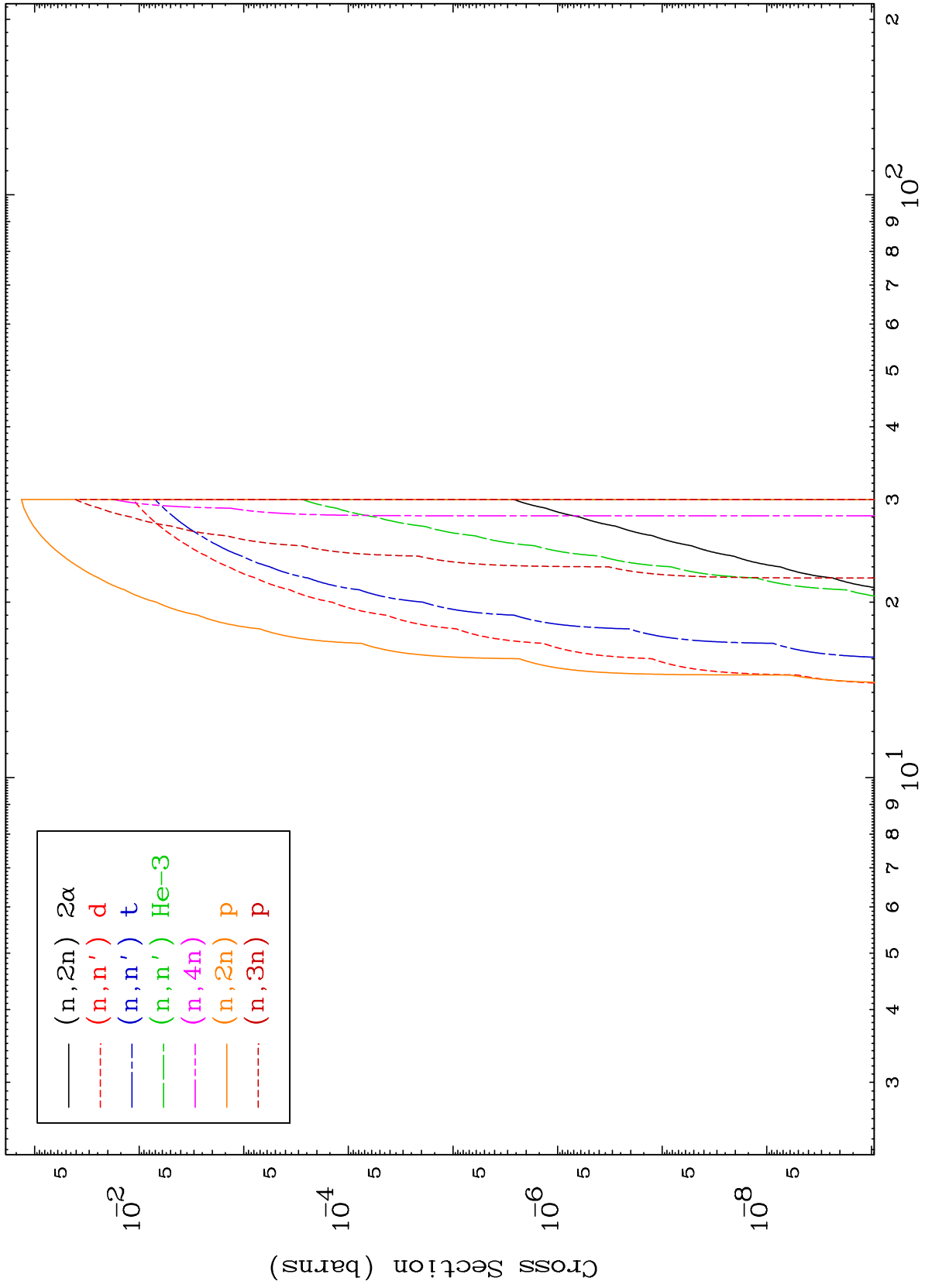


MAT 6895

Neutron Production
293 Kelvin Cross Sections

69-Tm-159

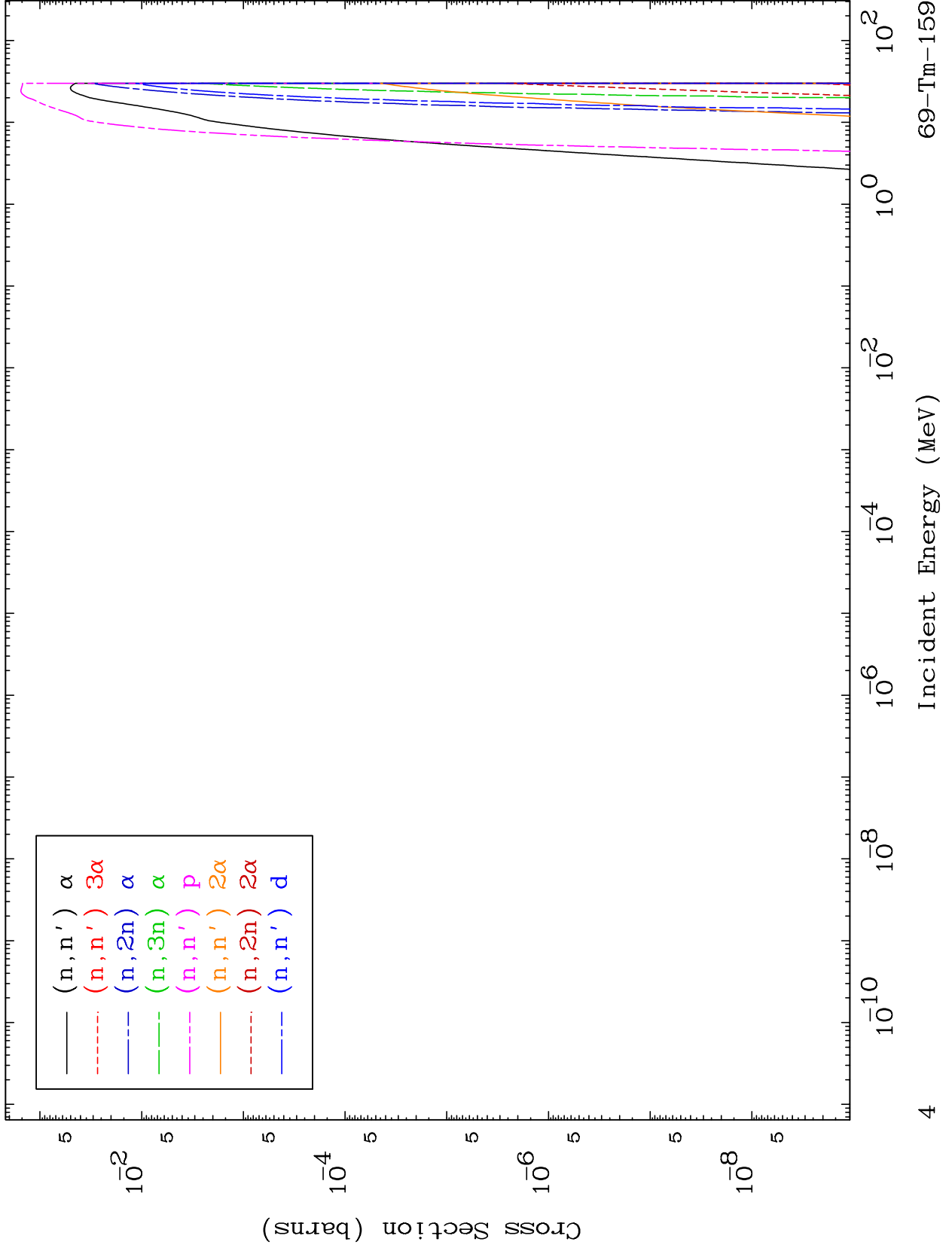




MAT 6895

Charged Particle
293 Kelvin Cross Sections

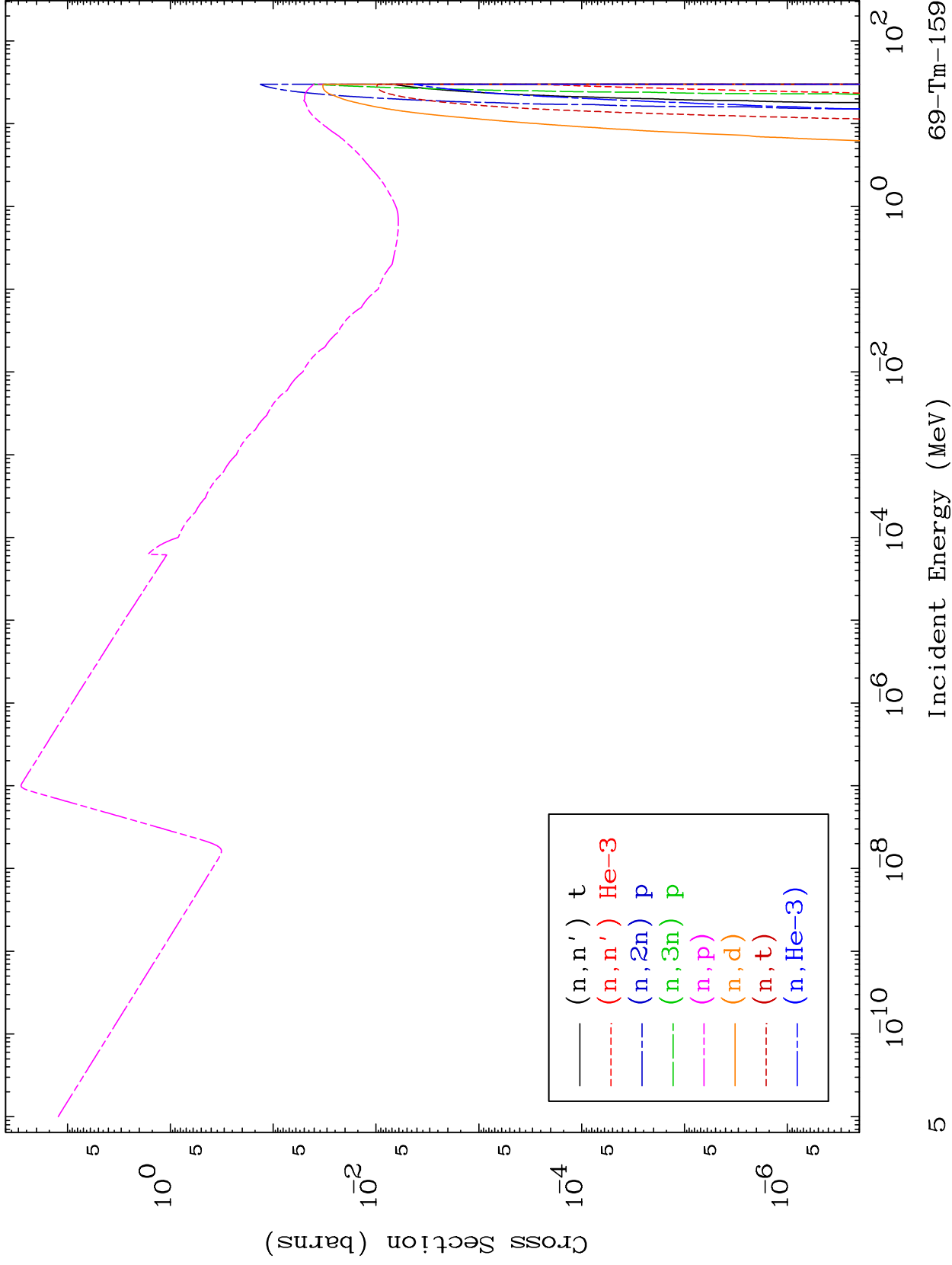
69-Tm-159



MAT 6895

Charged Particle
293 Kelvin Cross Sections

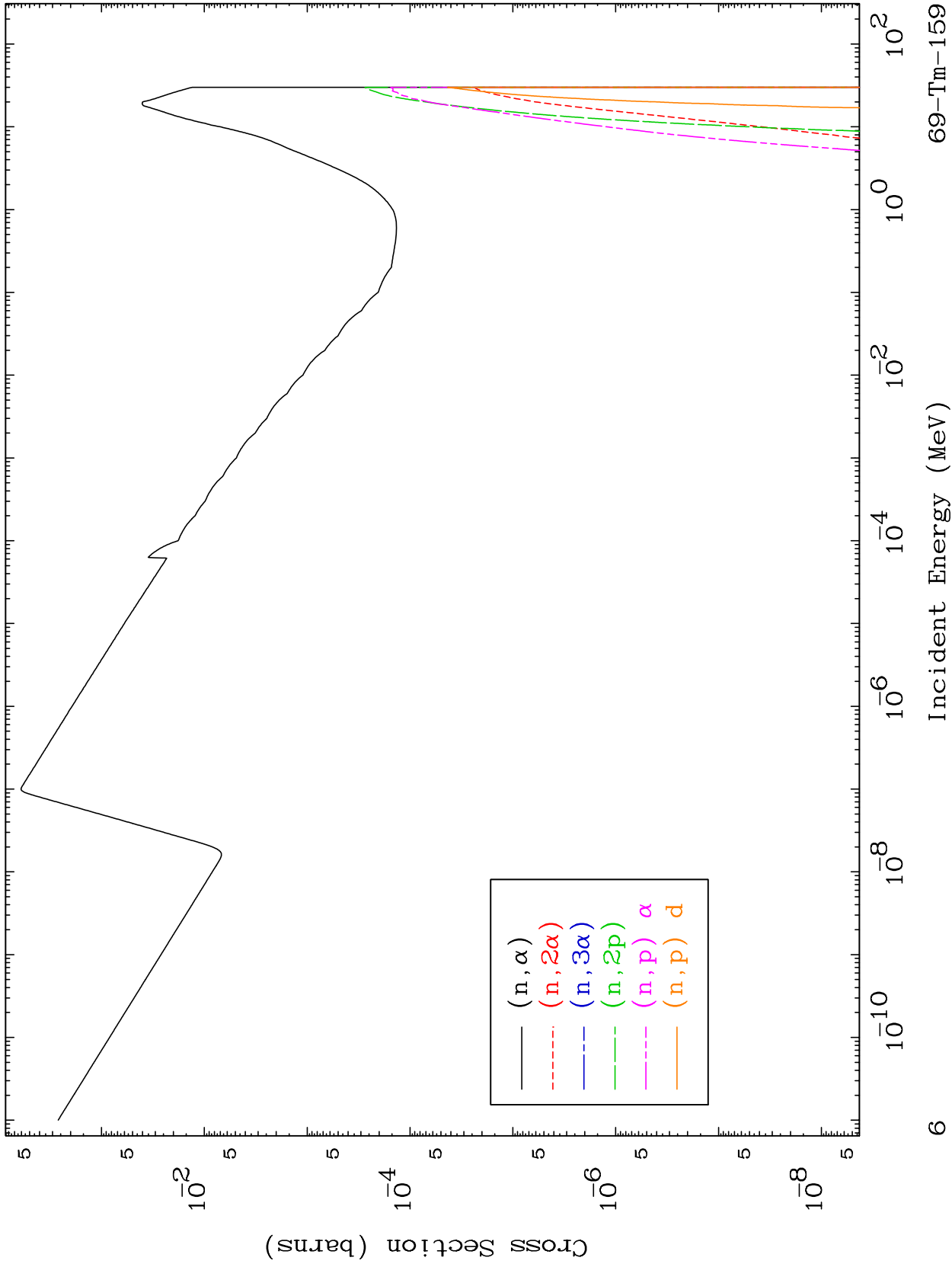
69-Tm-159



MAT 6895

Charged Particle
293 Kelvin Cross Sections

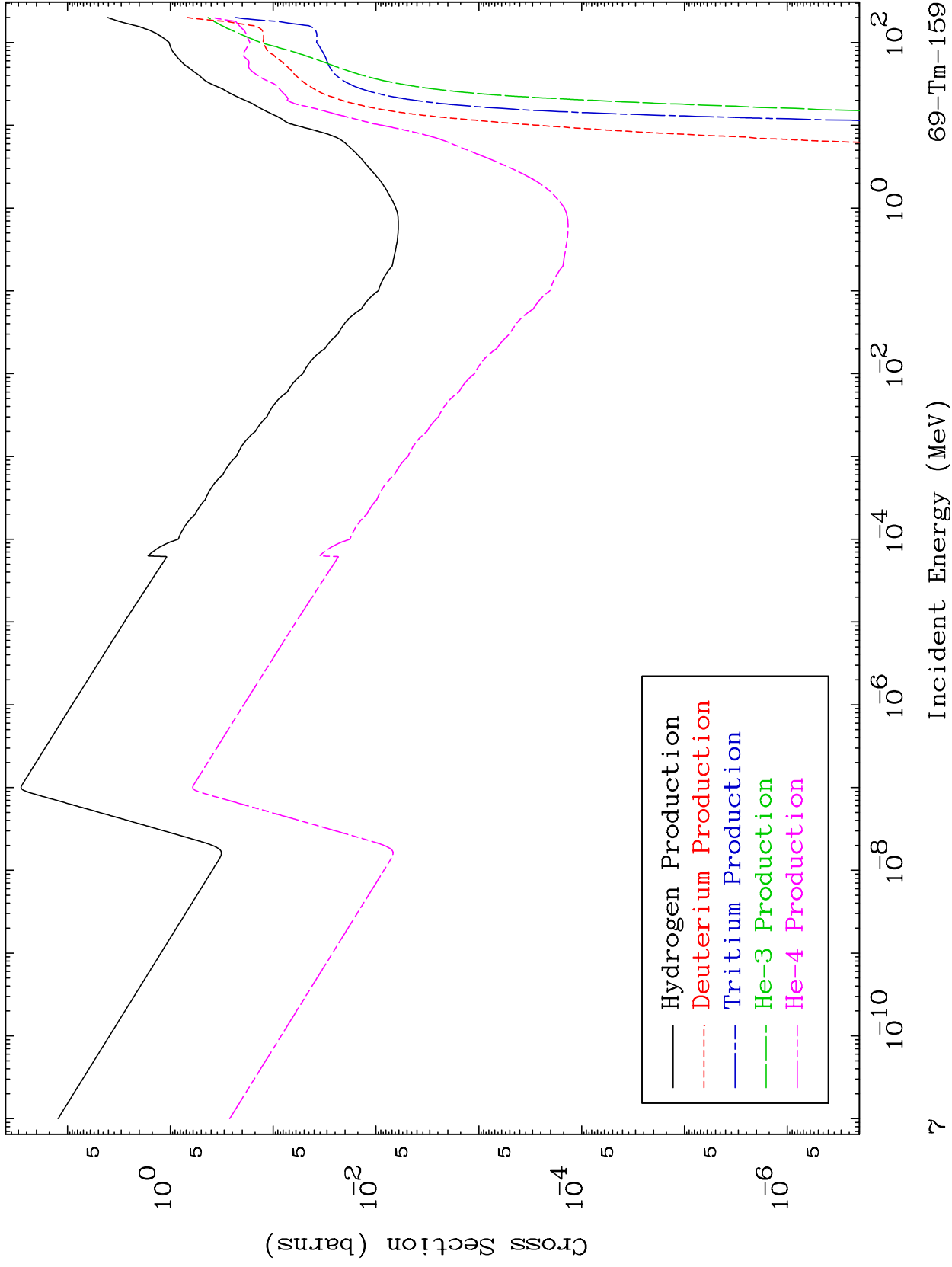
69-Tm-159



MAT 6895

Particle Production
293 Kelvin Cross Sections

69-Tm-159

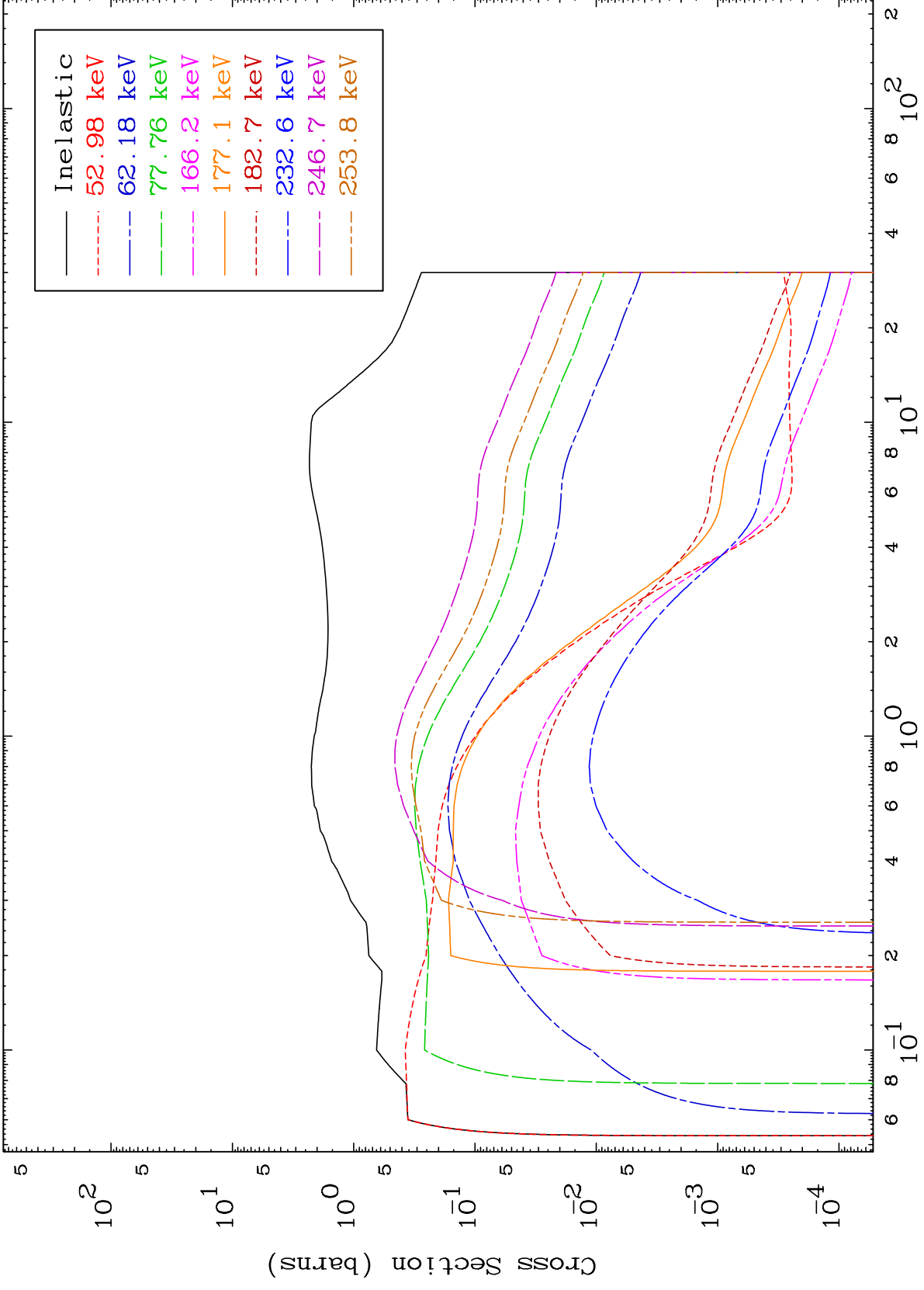


MAT 6895

(n,n') Level

69-Tm-159

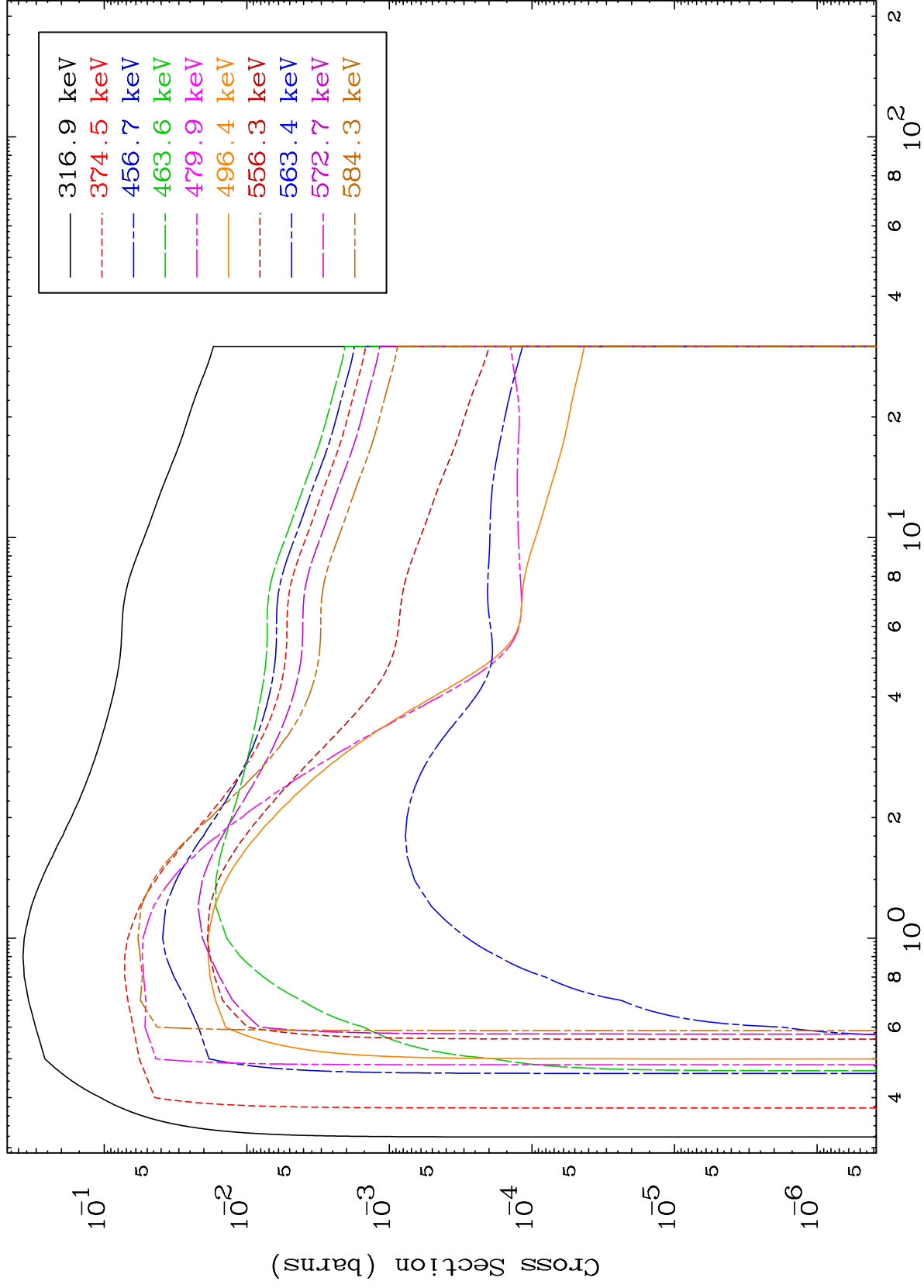
293 Kelvin Cross Sections



MAT 6895

(n,n') Level
293 Kelvin Cross Sections

69-Tm-159



9

Incident Energy (MeV)

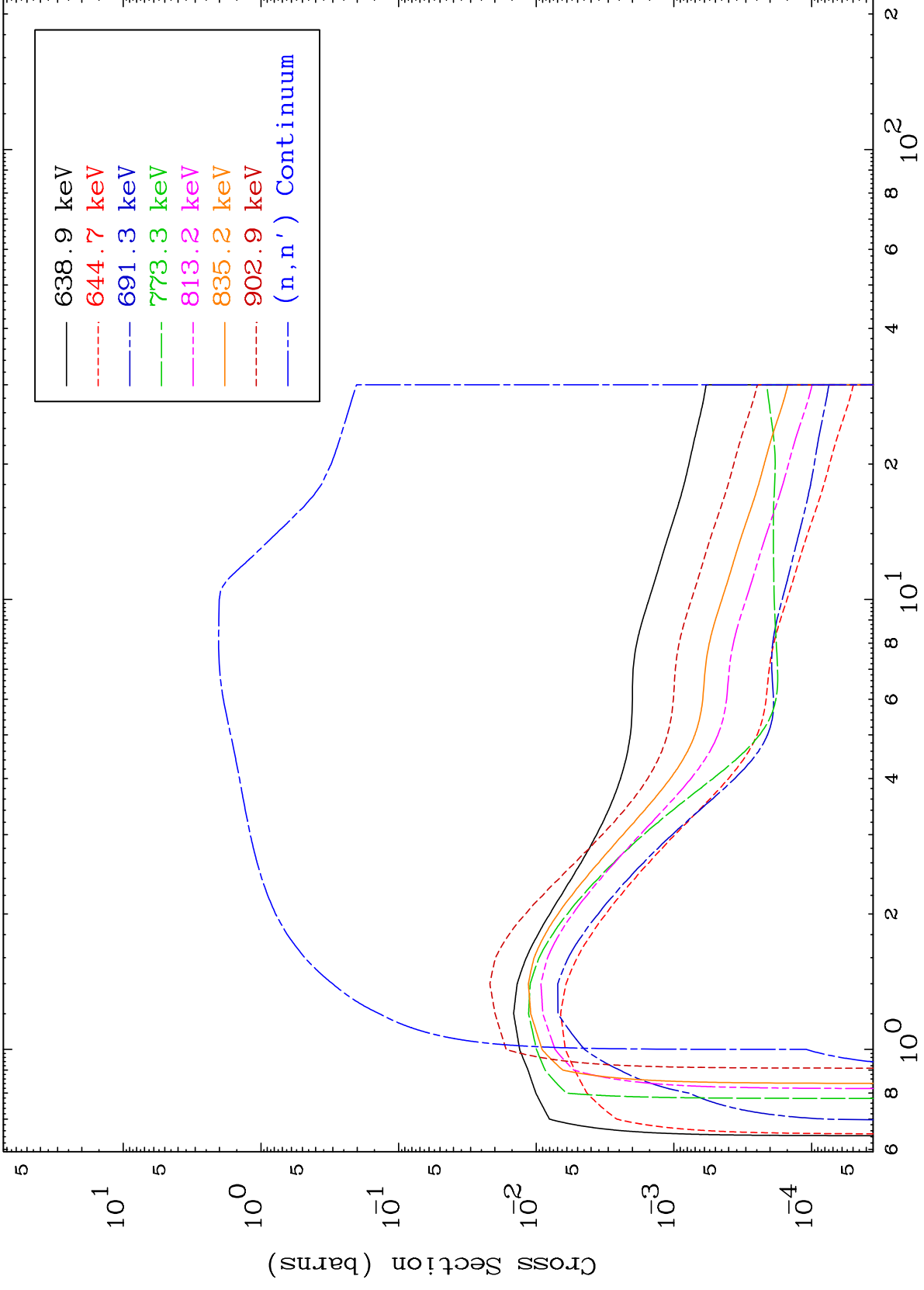
69-Tm-159

MAT 6895

(n,n') Level

69-Tm-159

293 Kelvin Cross Sections



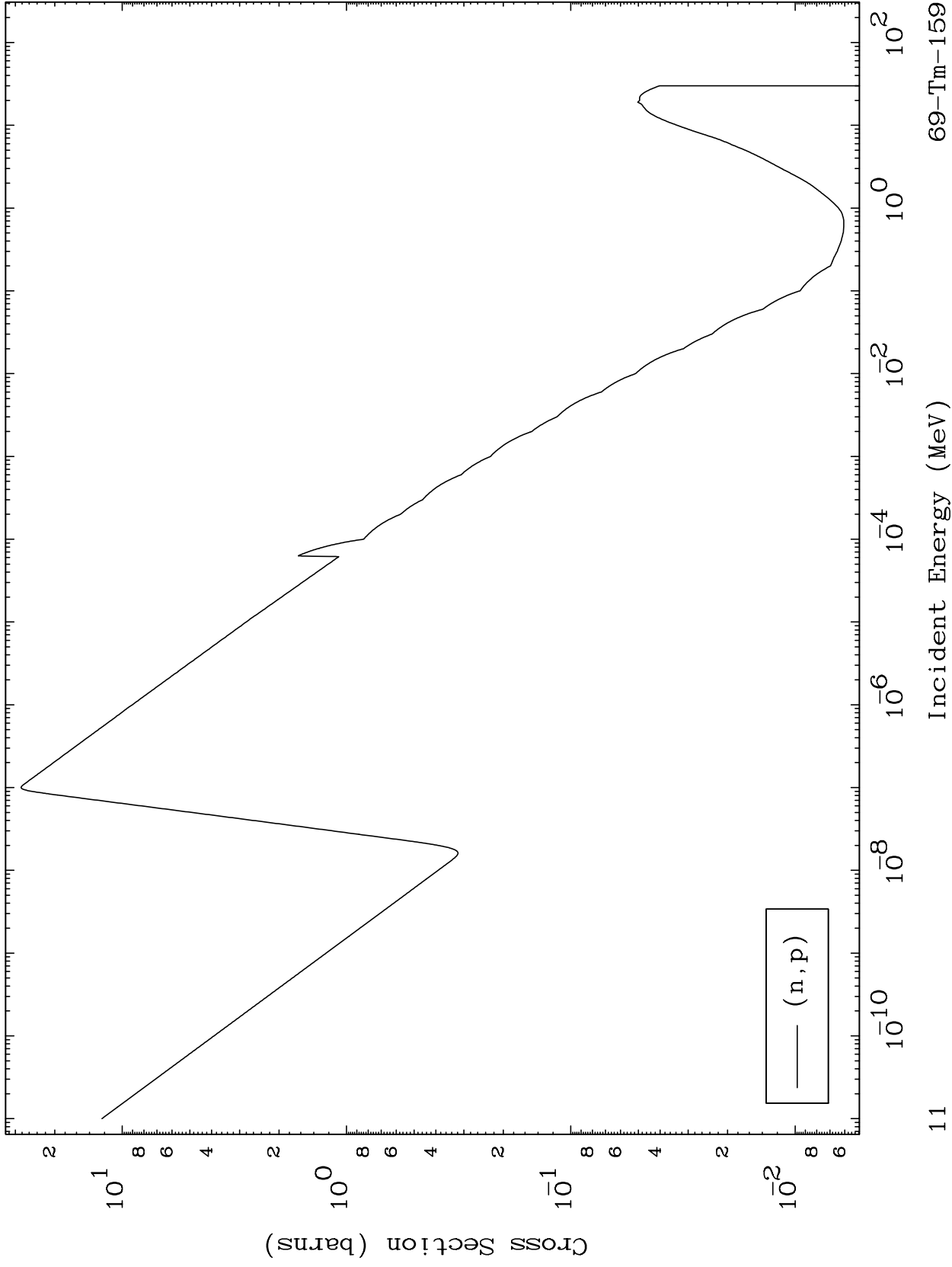
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,p) Levels
293 Kelvin Cross Sections

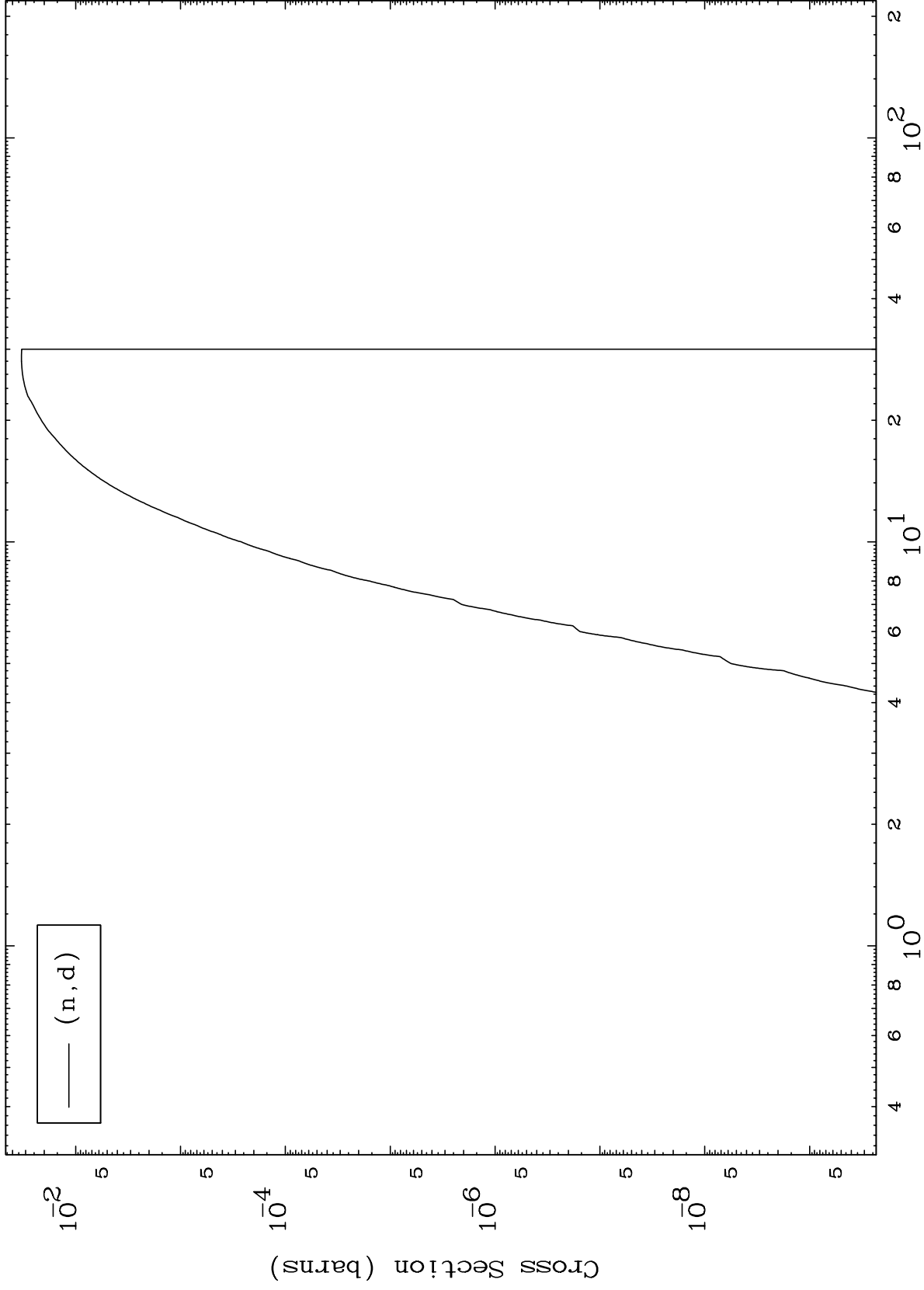
69-Tm-159



MAT 6895

(n,d) Levels
293 Kelvin Cross Sections

69-Tm-159



12

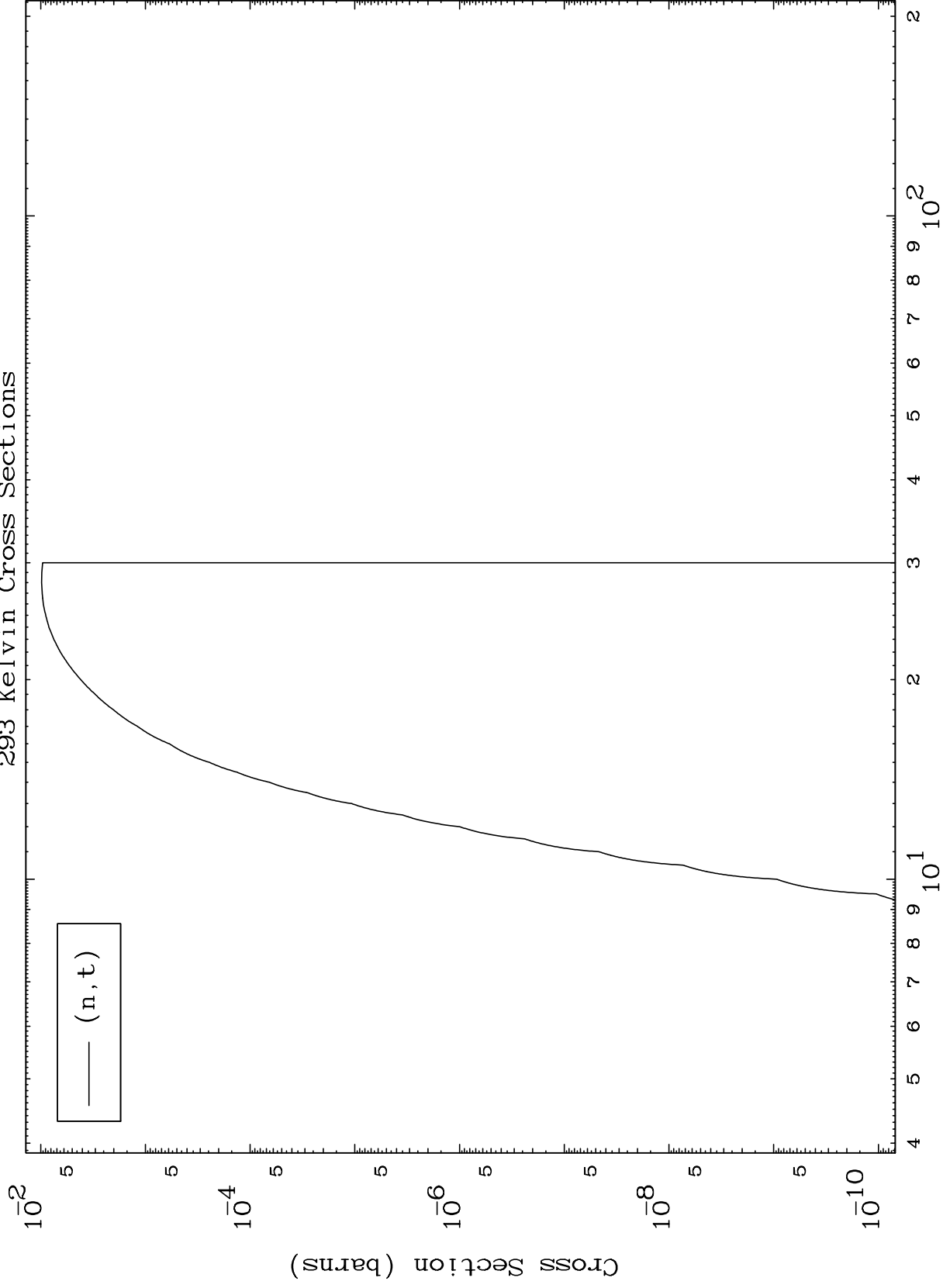
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-159



13

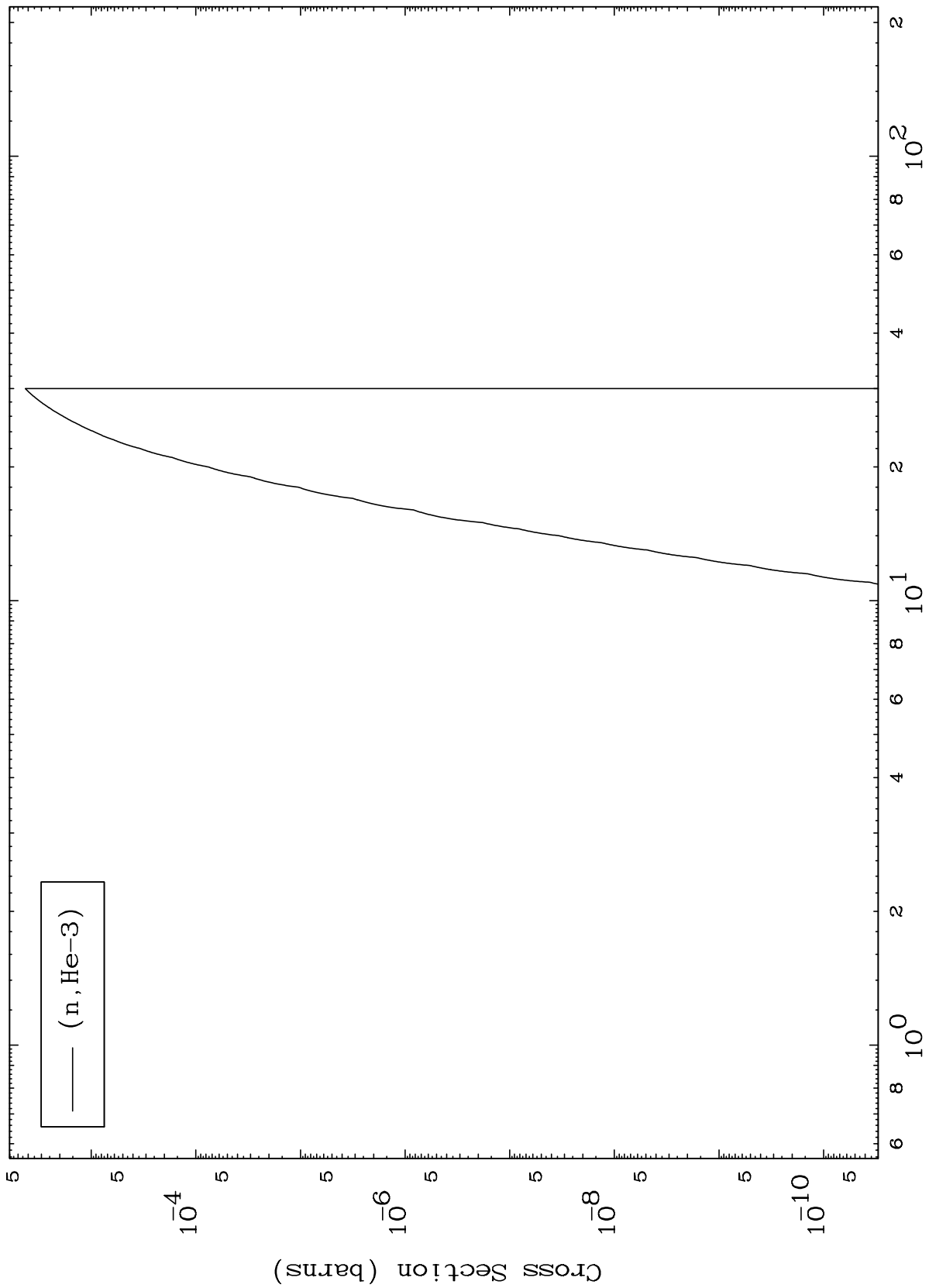
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-159



14

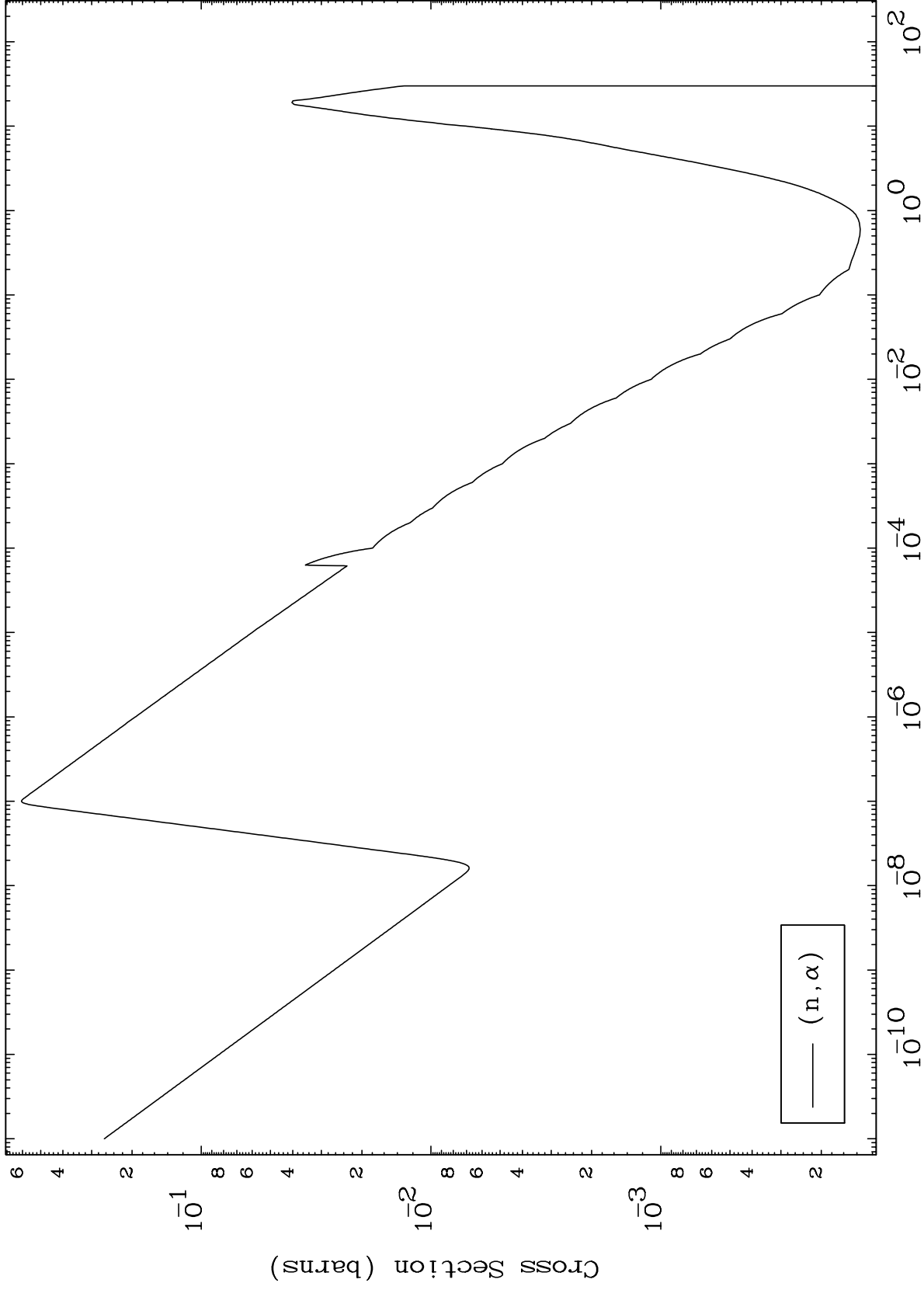
Incident Energy (MeV)

69-Tm-159

MAT 6895

(n, α) Levels
293 Kelvin Cross Sections

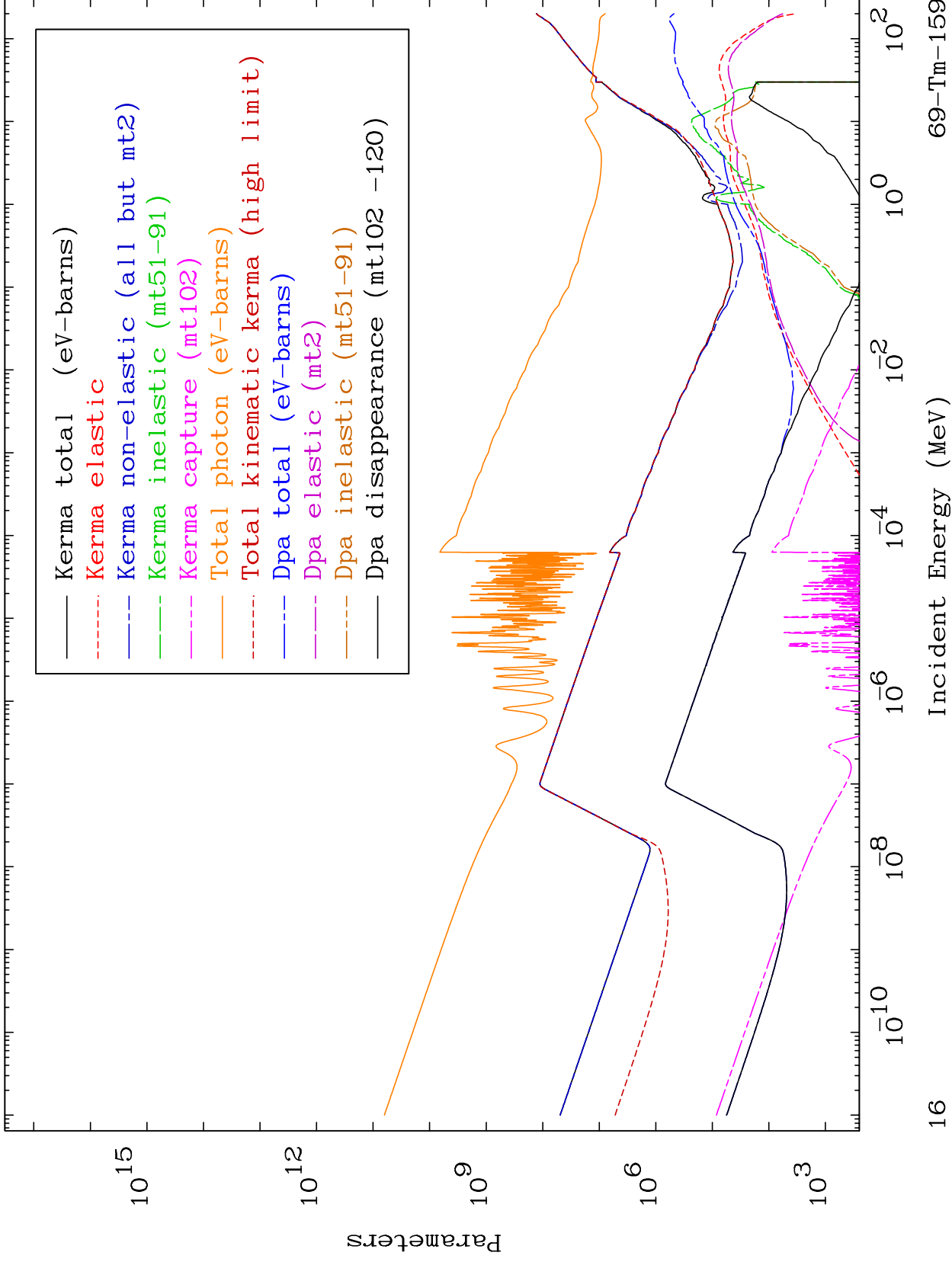
69-Tm-159



15

Incident Energy (MeV)

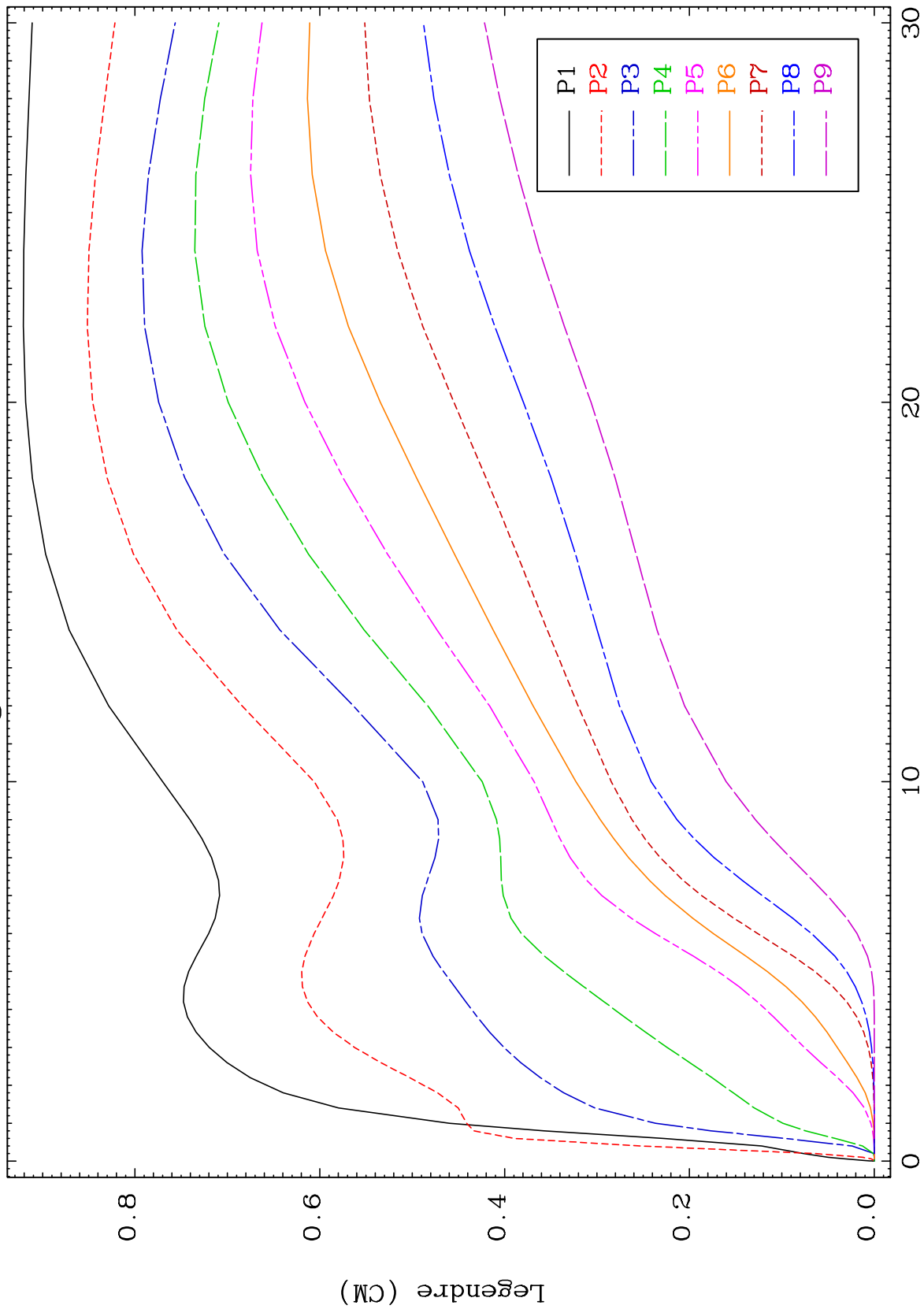
69-Tm-159



MAT 6895

Elastic Legendre Coefficients

69-Tm-159



17

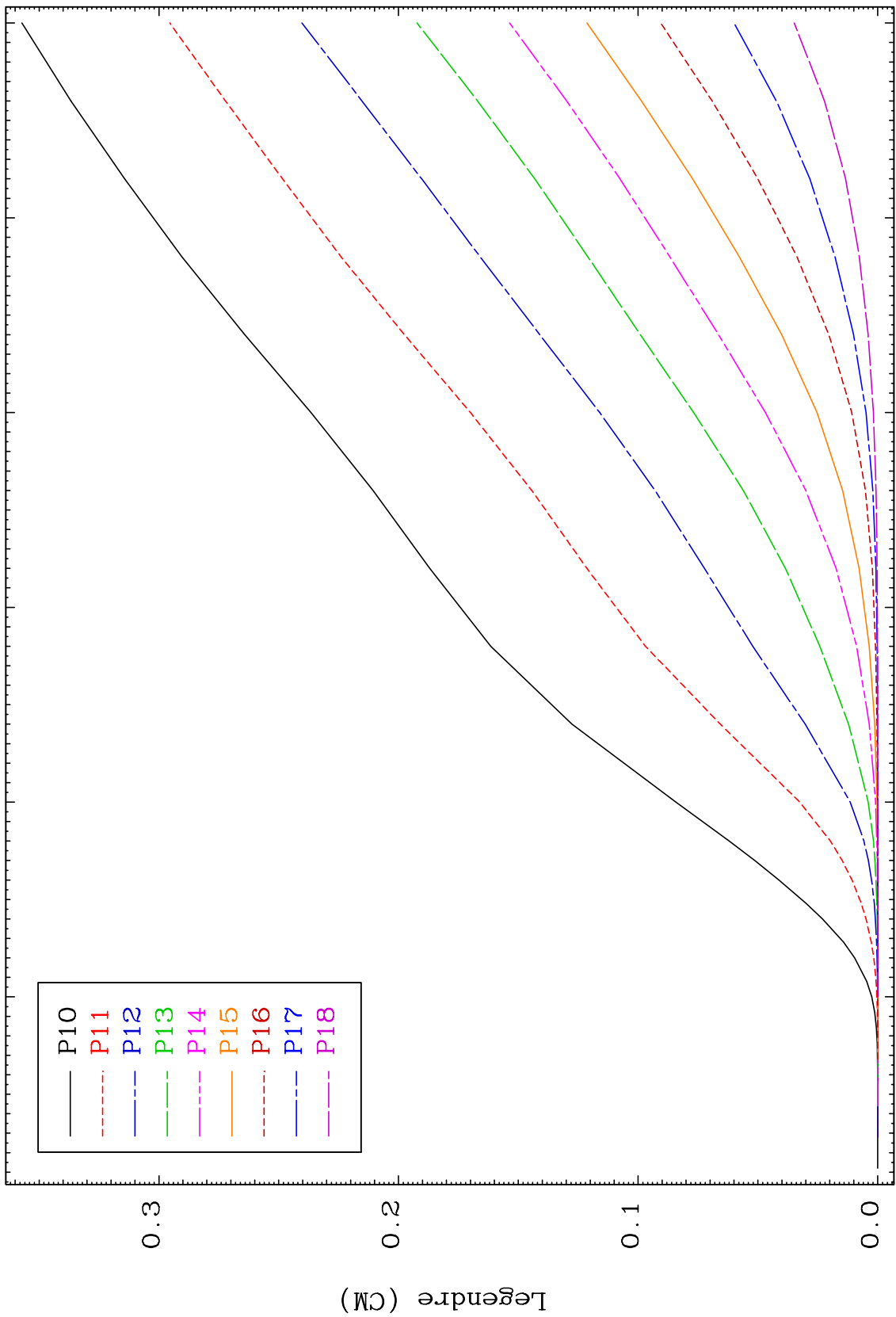
Incident Energy (MeV)

69-Tm-159

MAT 6895

Elastic
Legendre Coefficients

69-Tm-159



18

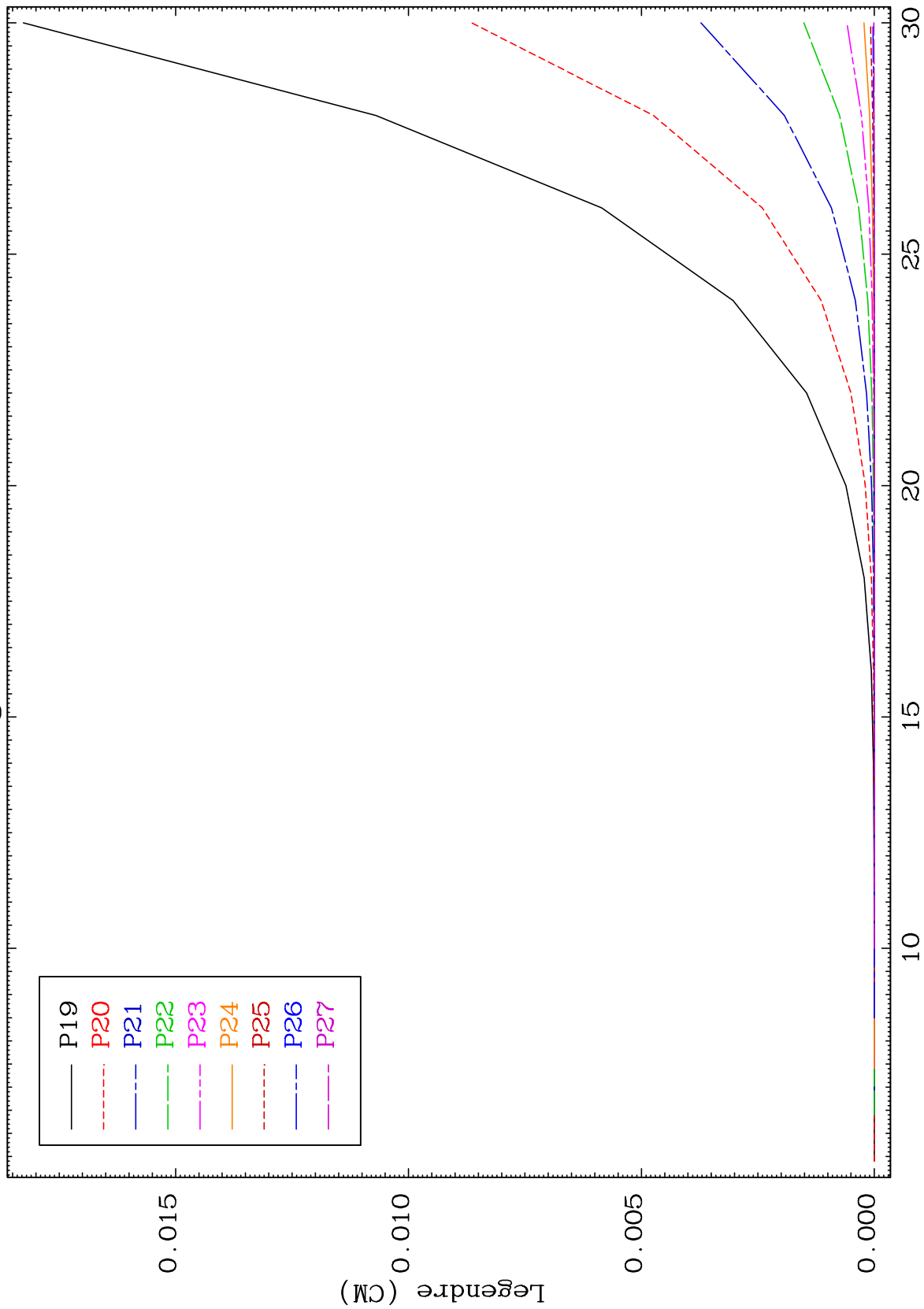
Incident Energy (MeV)

69-Tm-159

MAT 6895

Elastic Legendre Coefficients

69-Tm-159



19

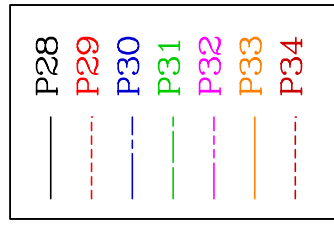
Incident Energy (MeV)

69-Tm-159

MAT 6895

Elastic
Legendre Coefficients

69-Tm-159



$\times 10^{-6}$

Legendre (CM)

2

1

0

15

20

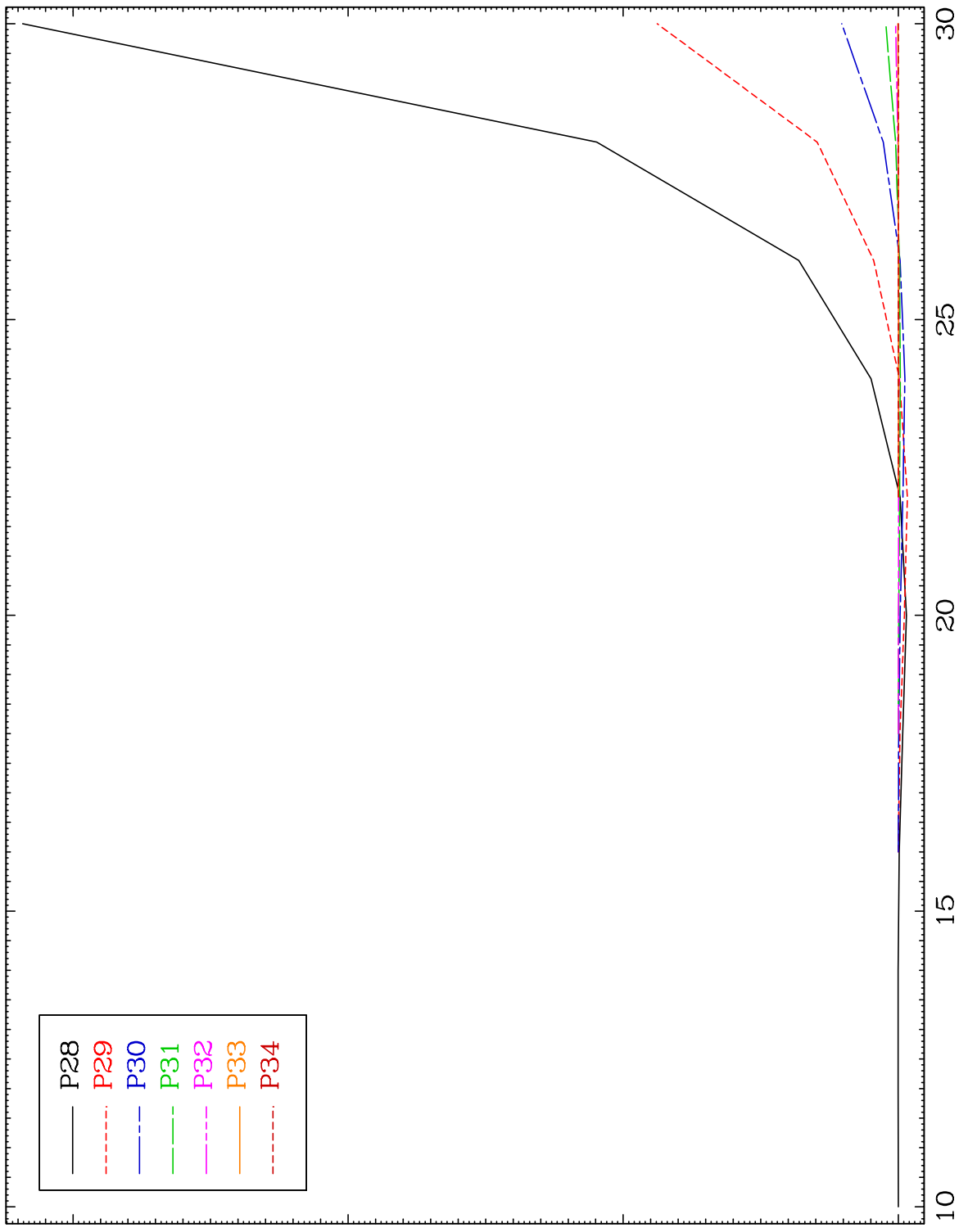
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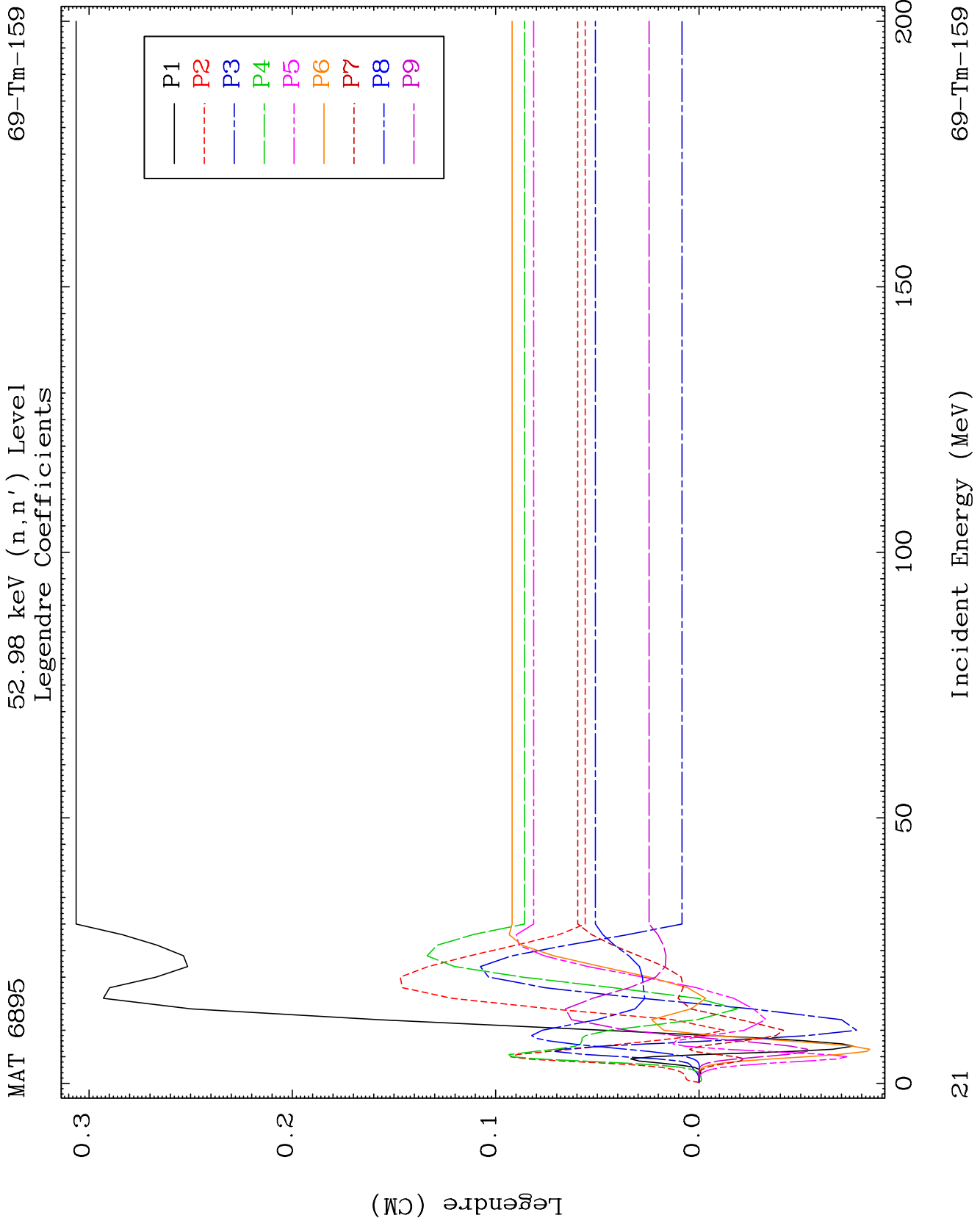
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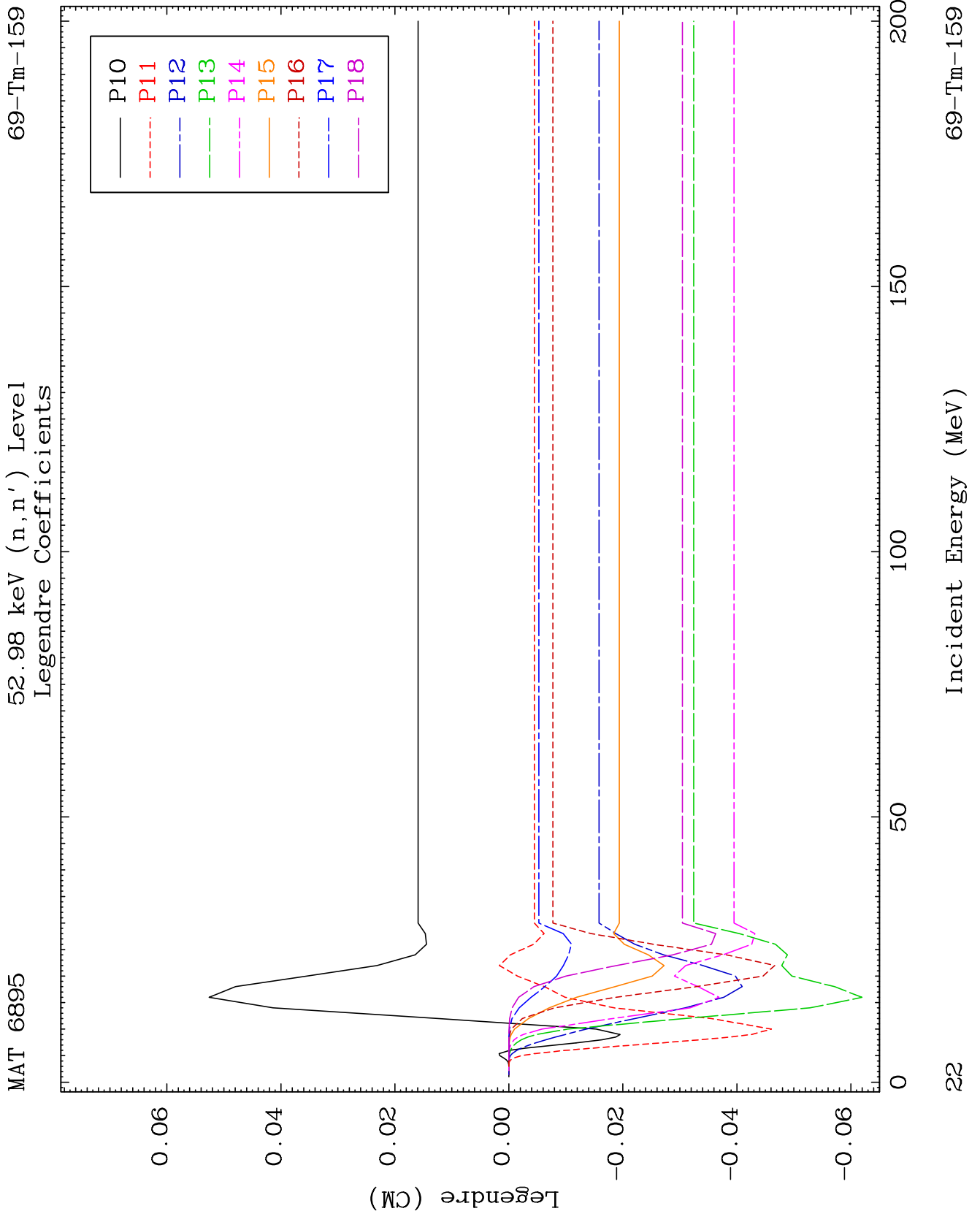
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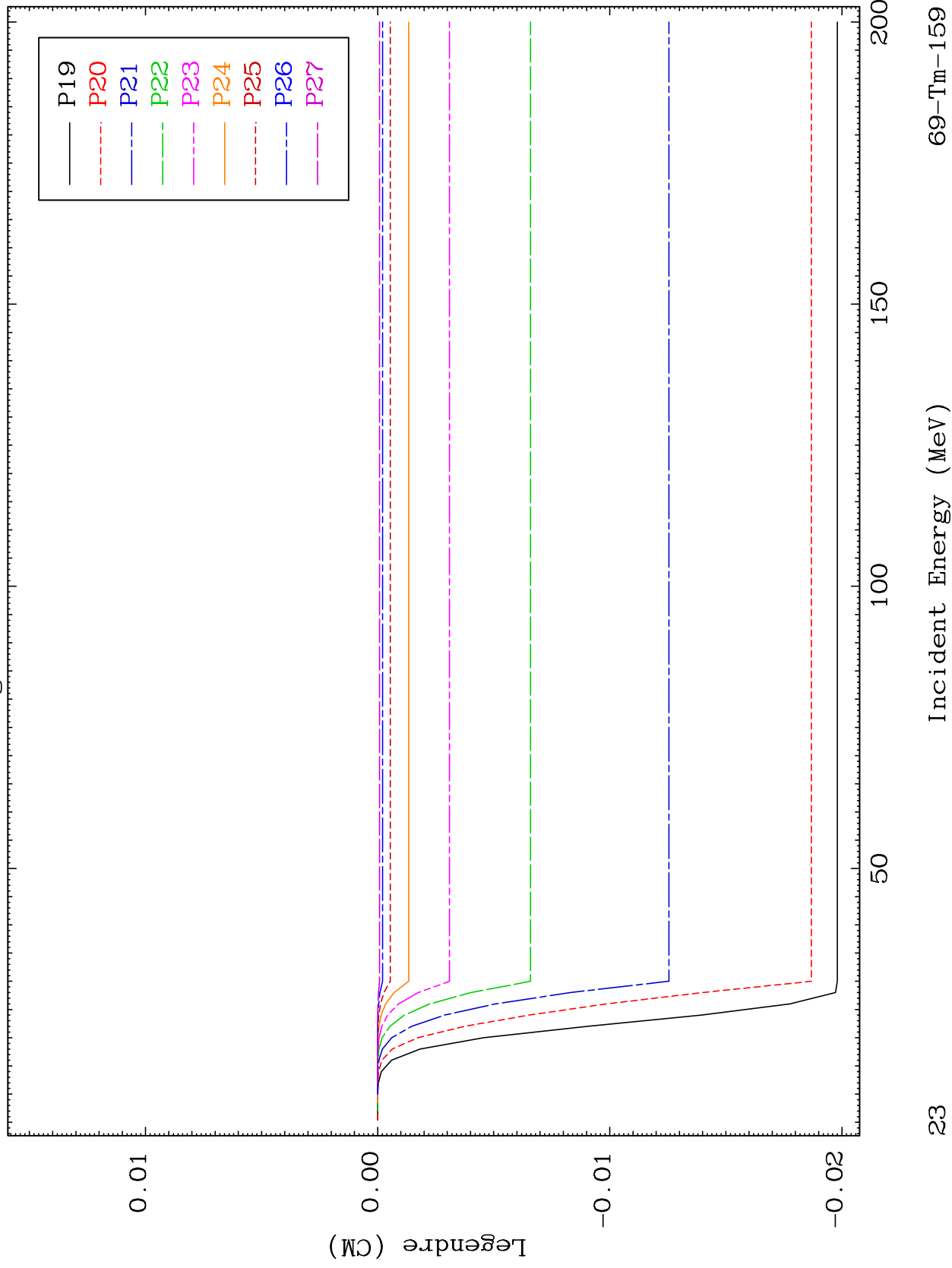
Incident Energy (MeV)

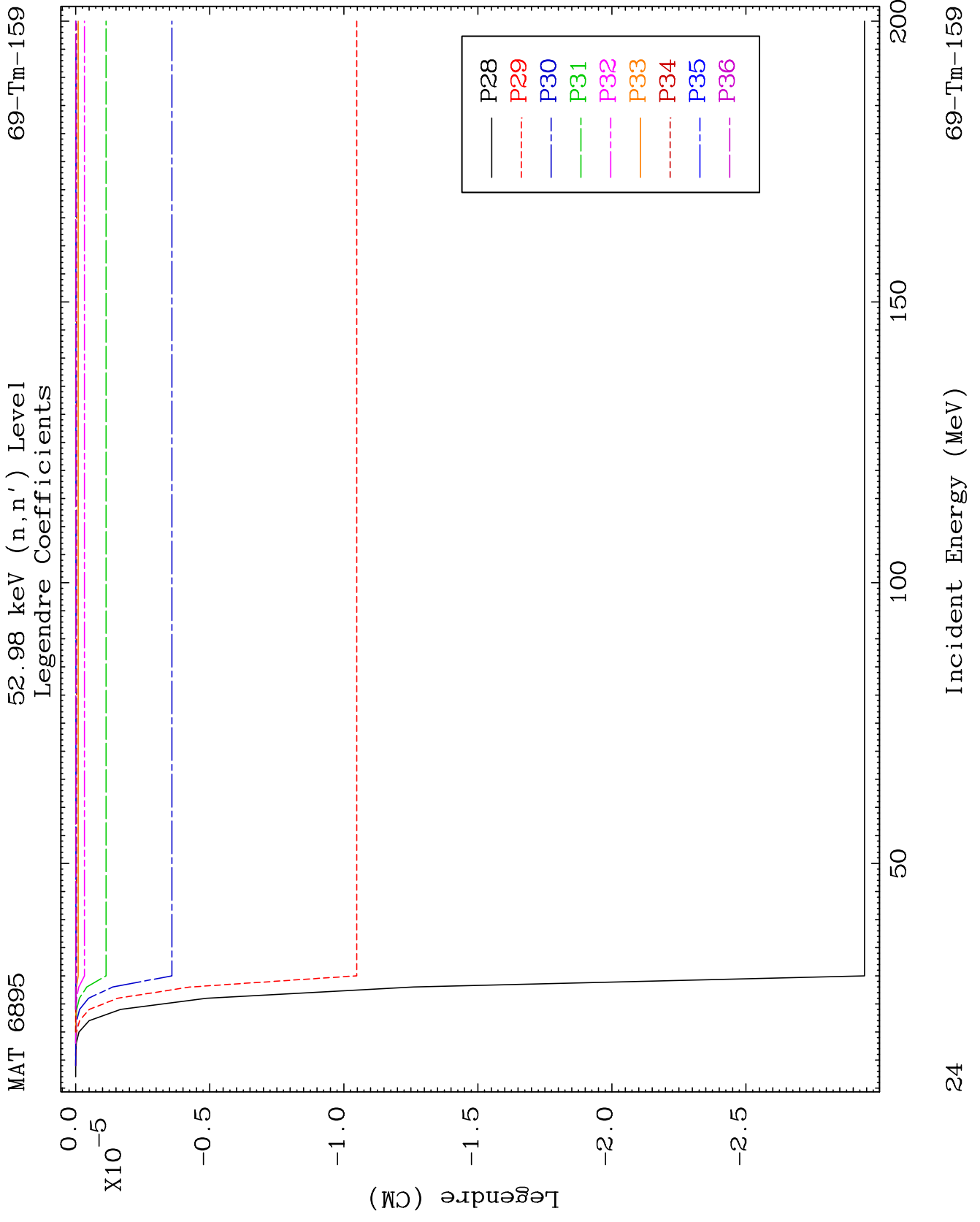
69-Tm-159

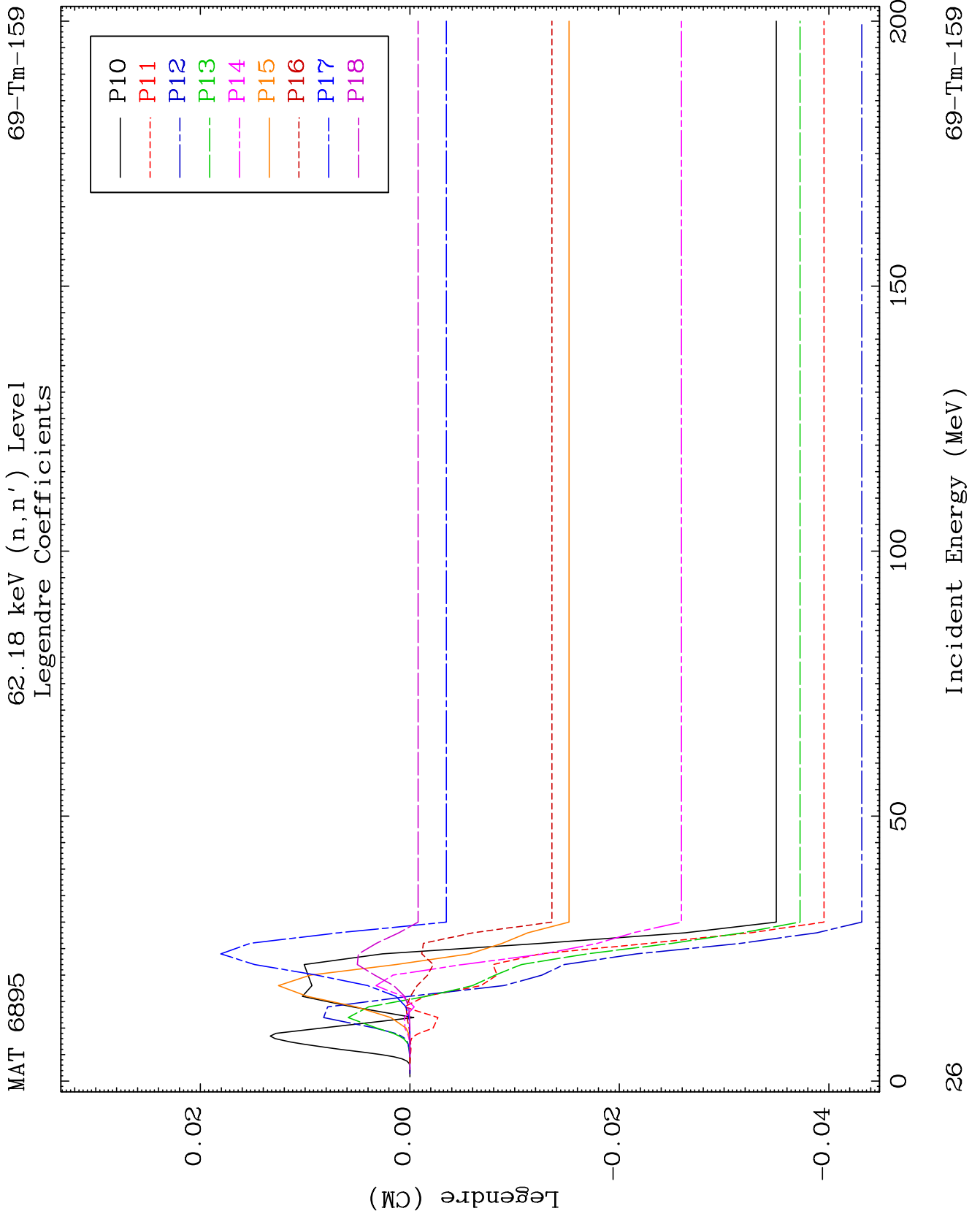








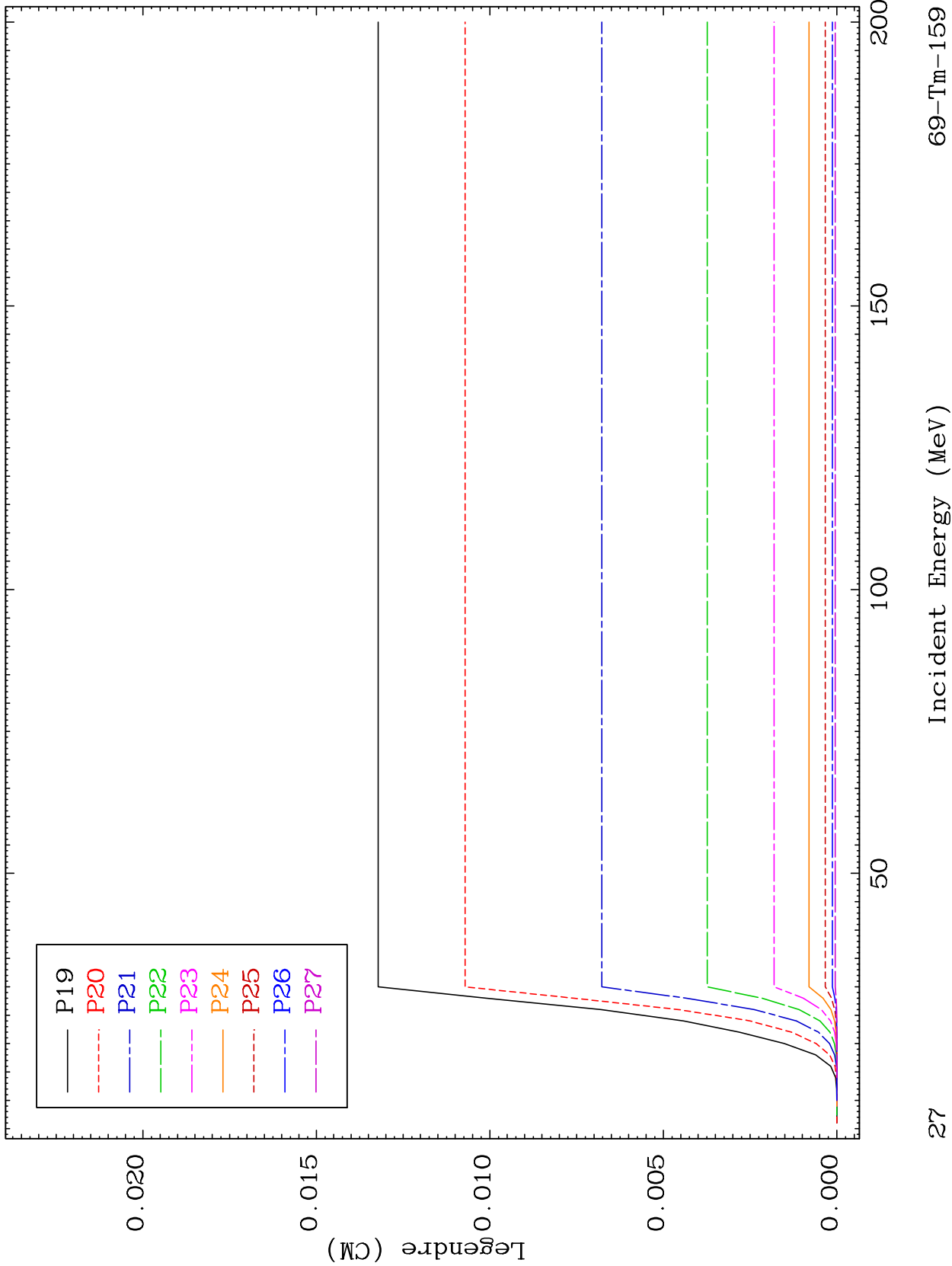


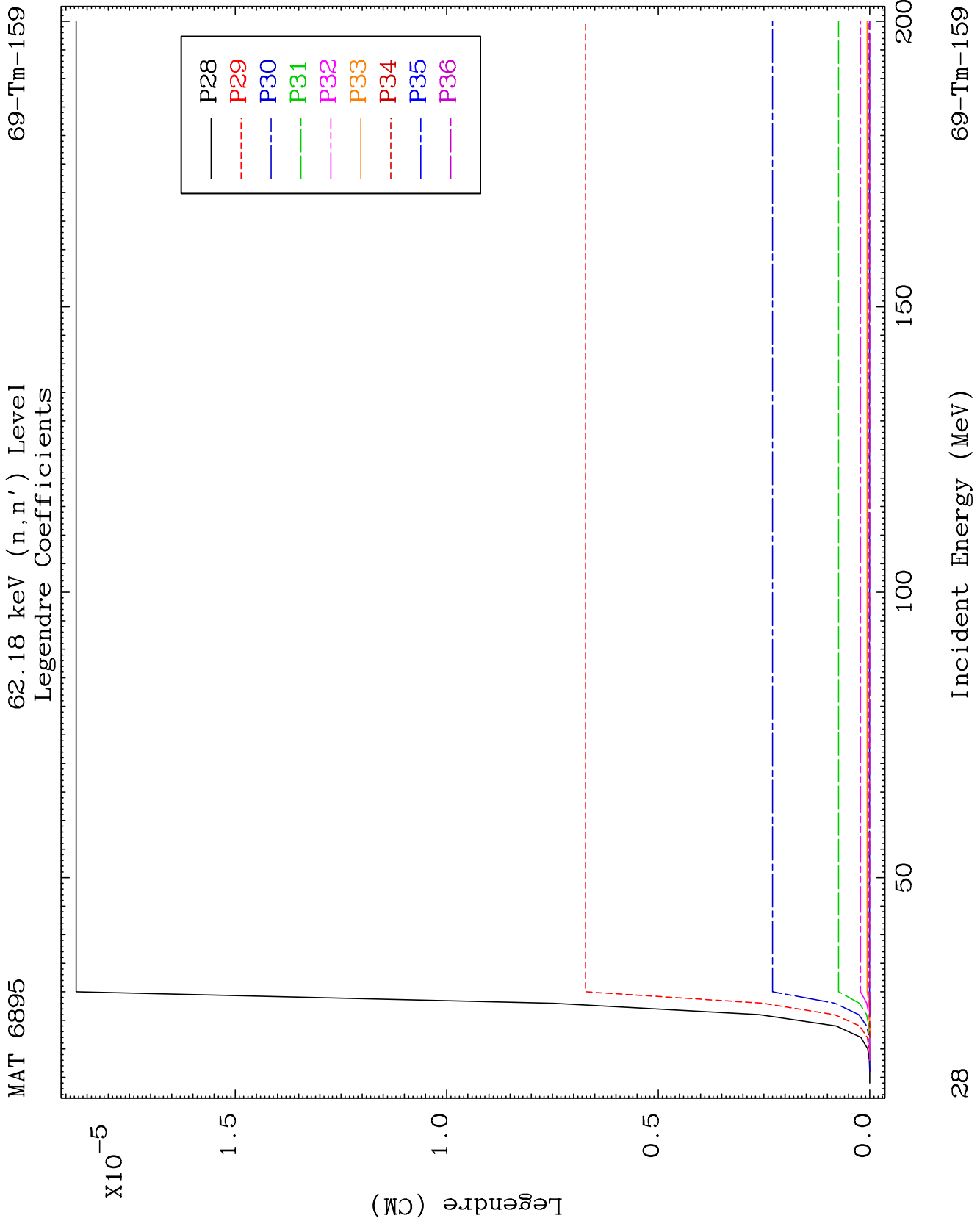


MAT 6895

62.18 keV (n, n') Level
Legendre Coefficients

69-Tm-159

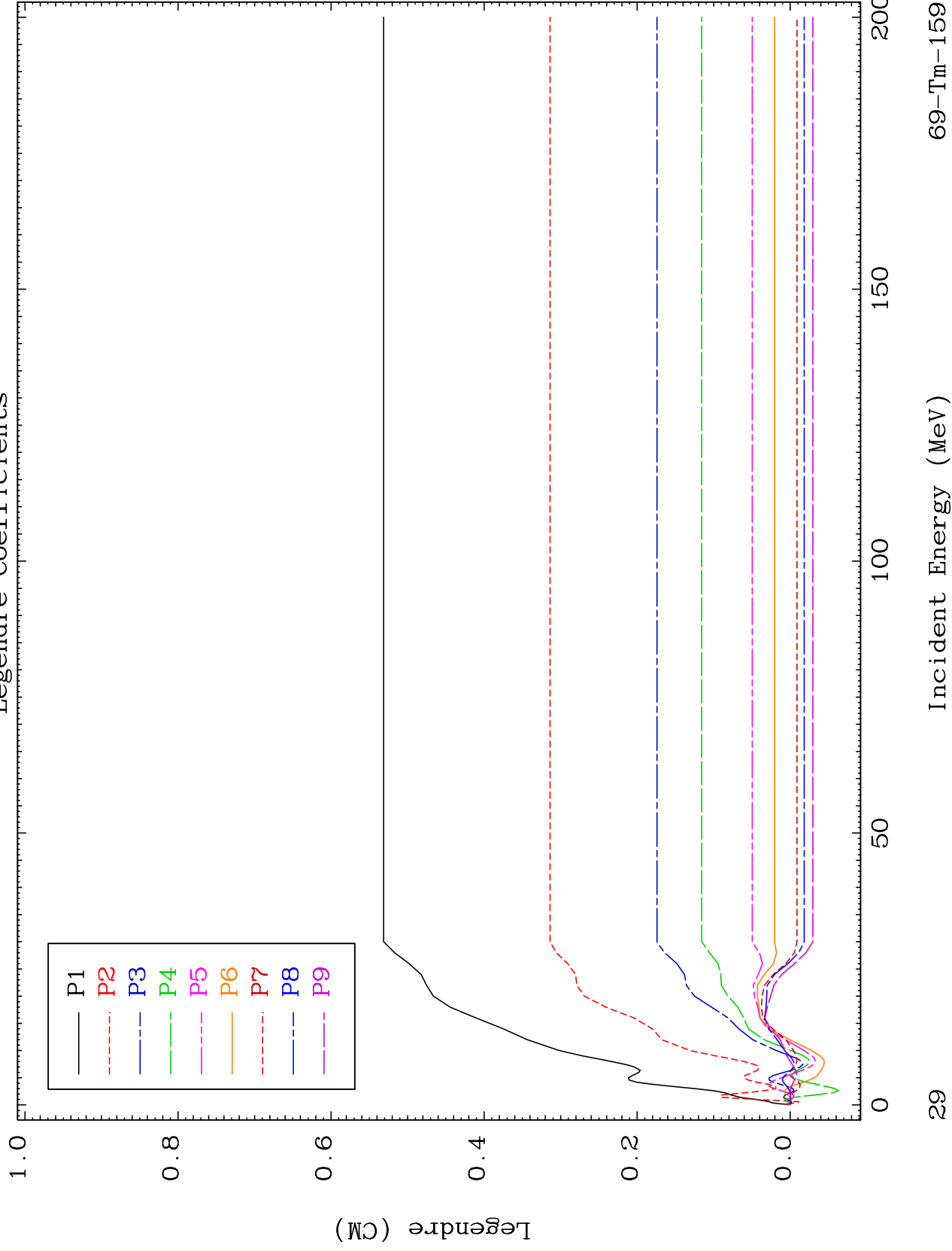




MAT 6895

77.76 keV (n,n') Level
Legendre Coefficients

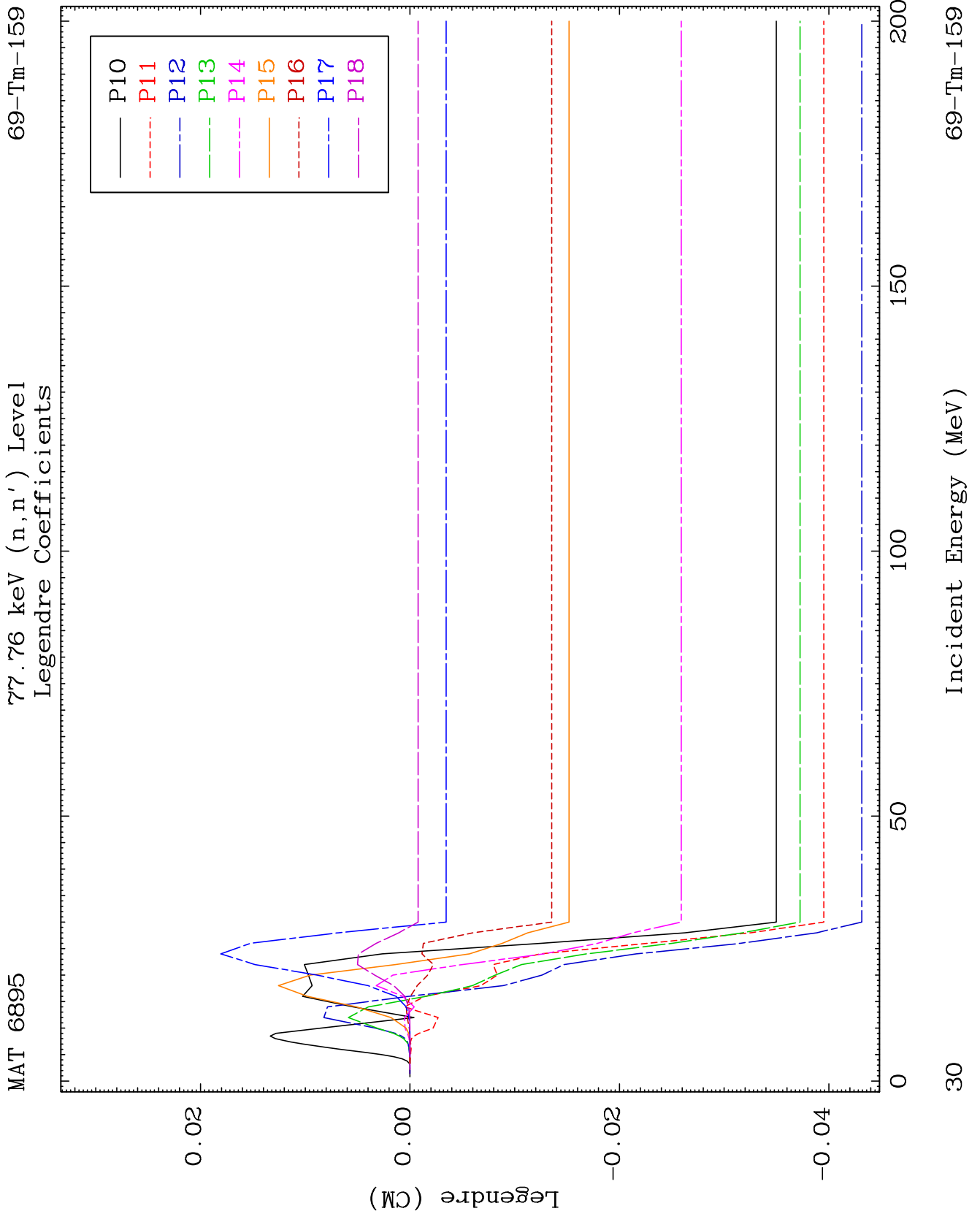
69-Tm-159

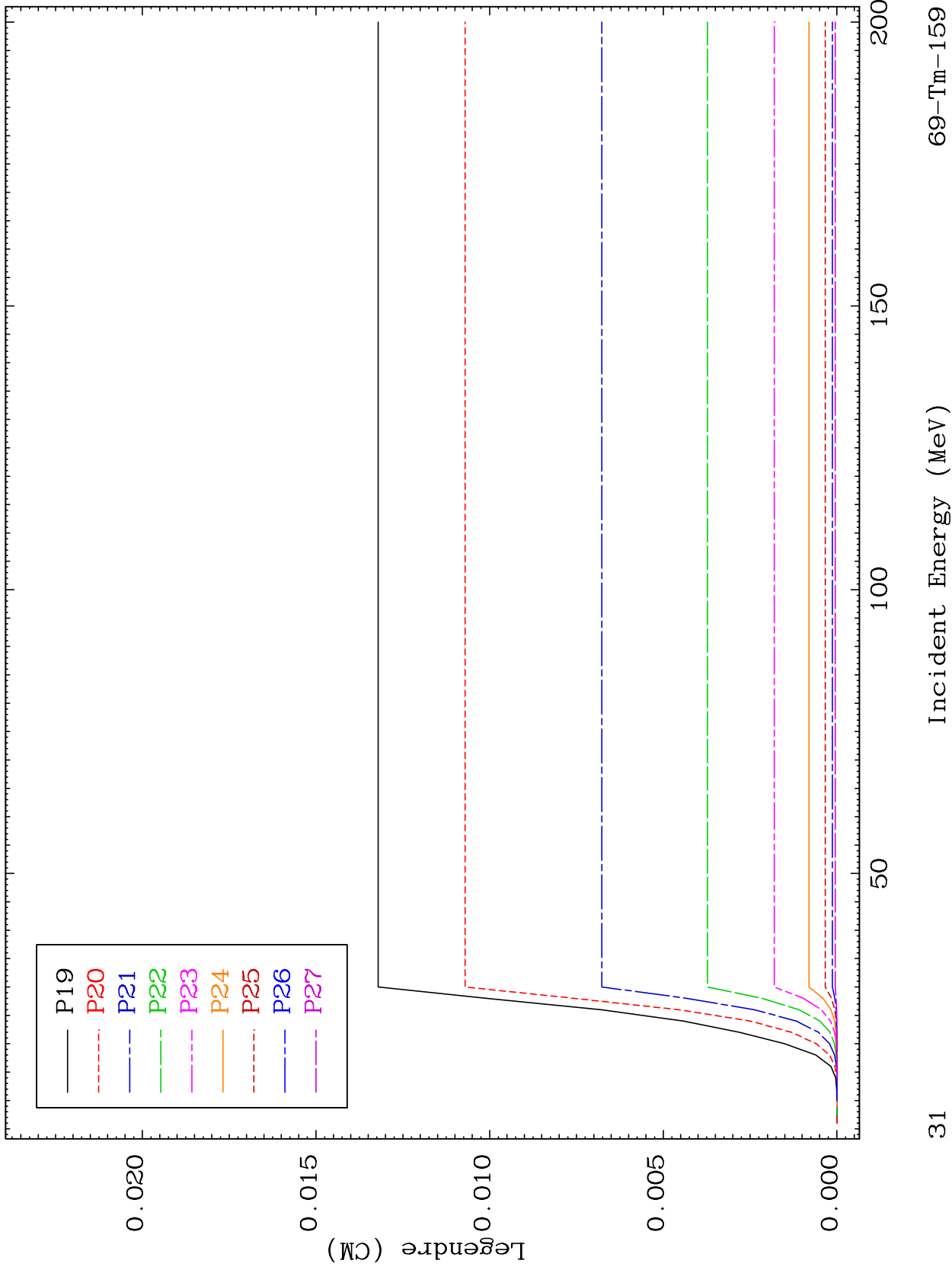


69-Tm-159

Incident Energy (MeV)

29

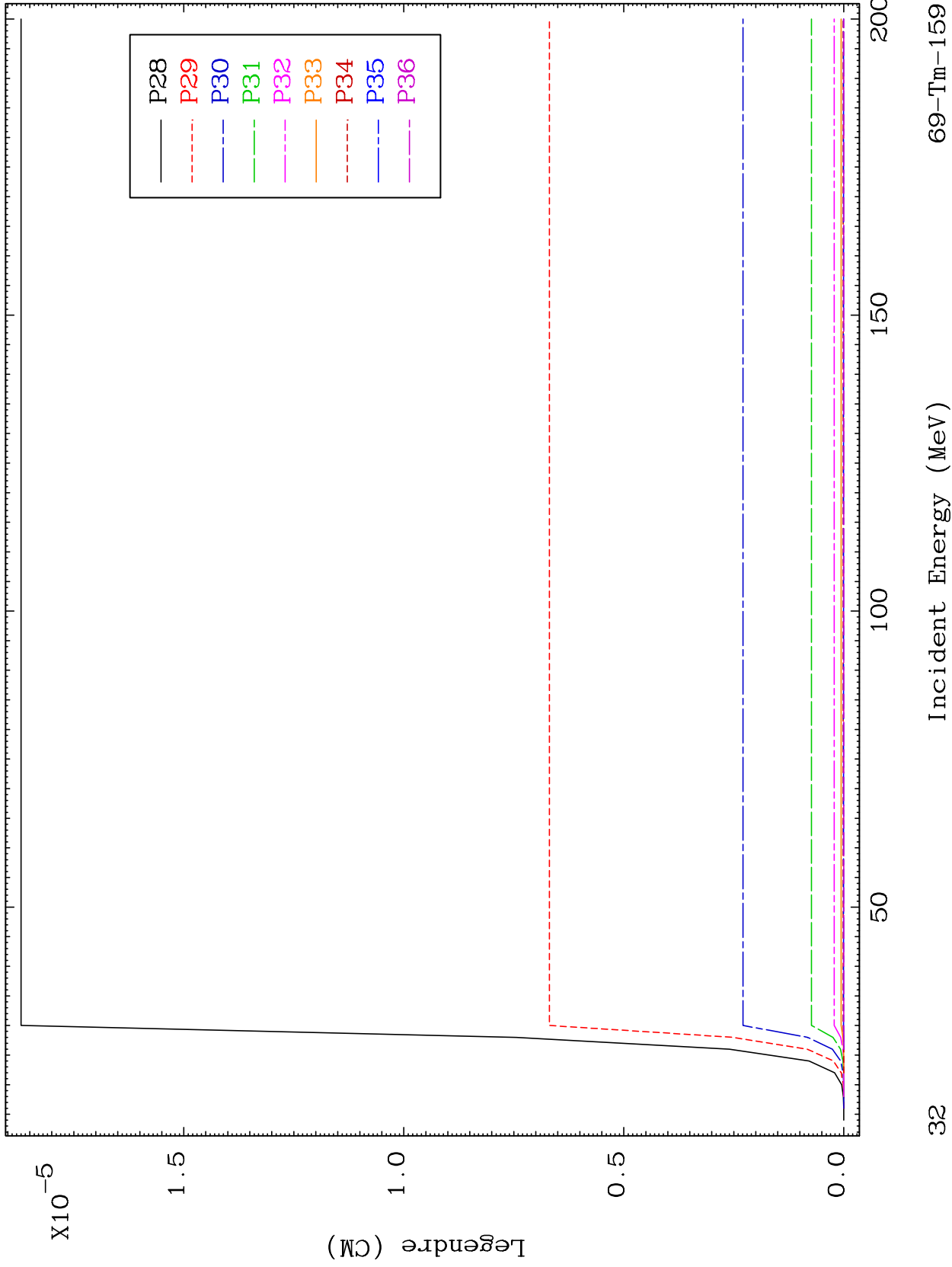


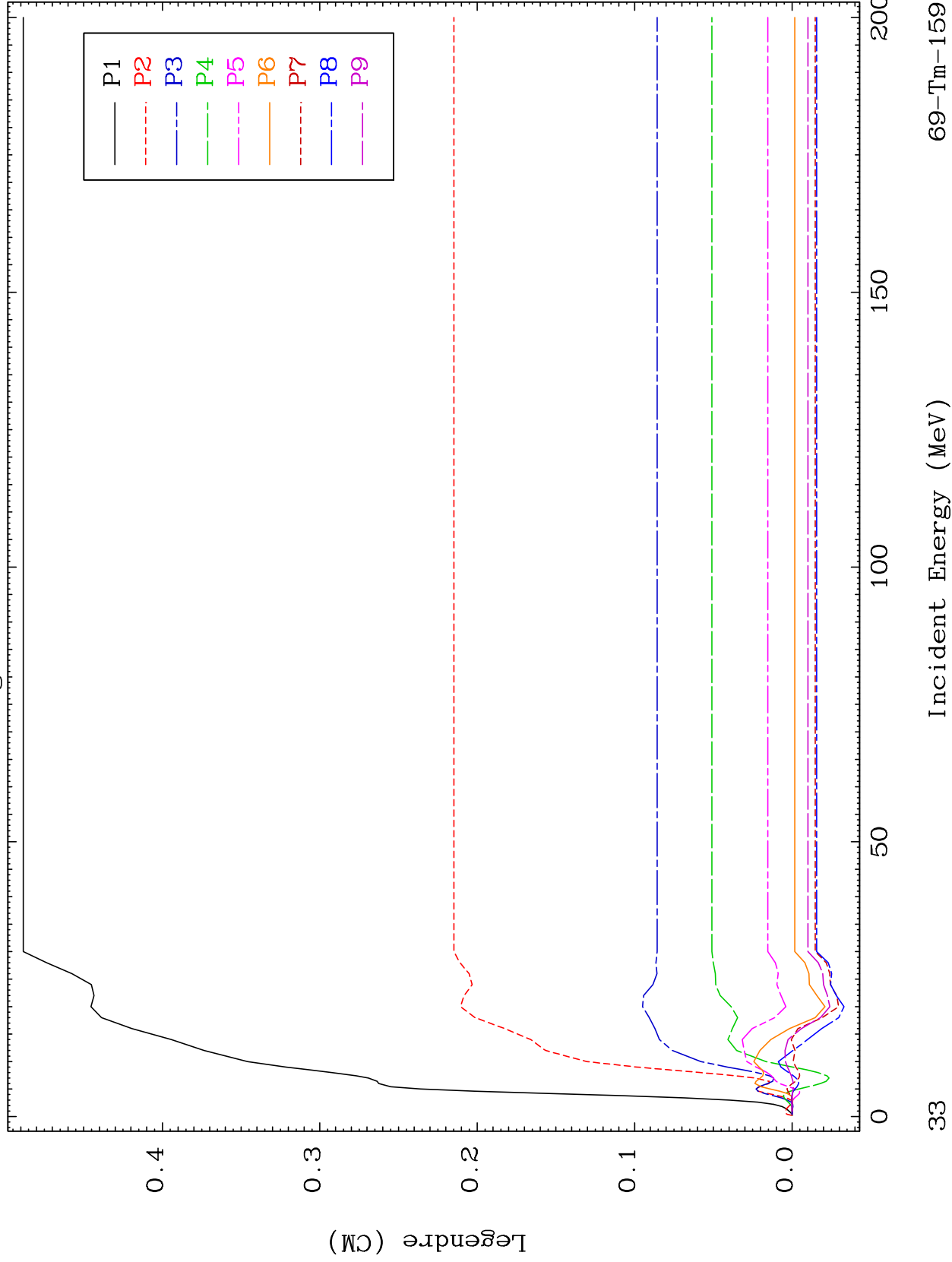


MAT 6895

77.76 keV (n,n') Level
Legendre Coefficients

69-Tm-159

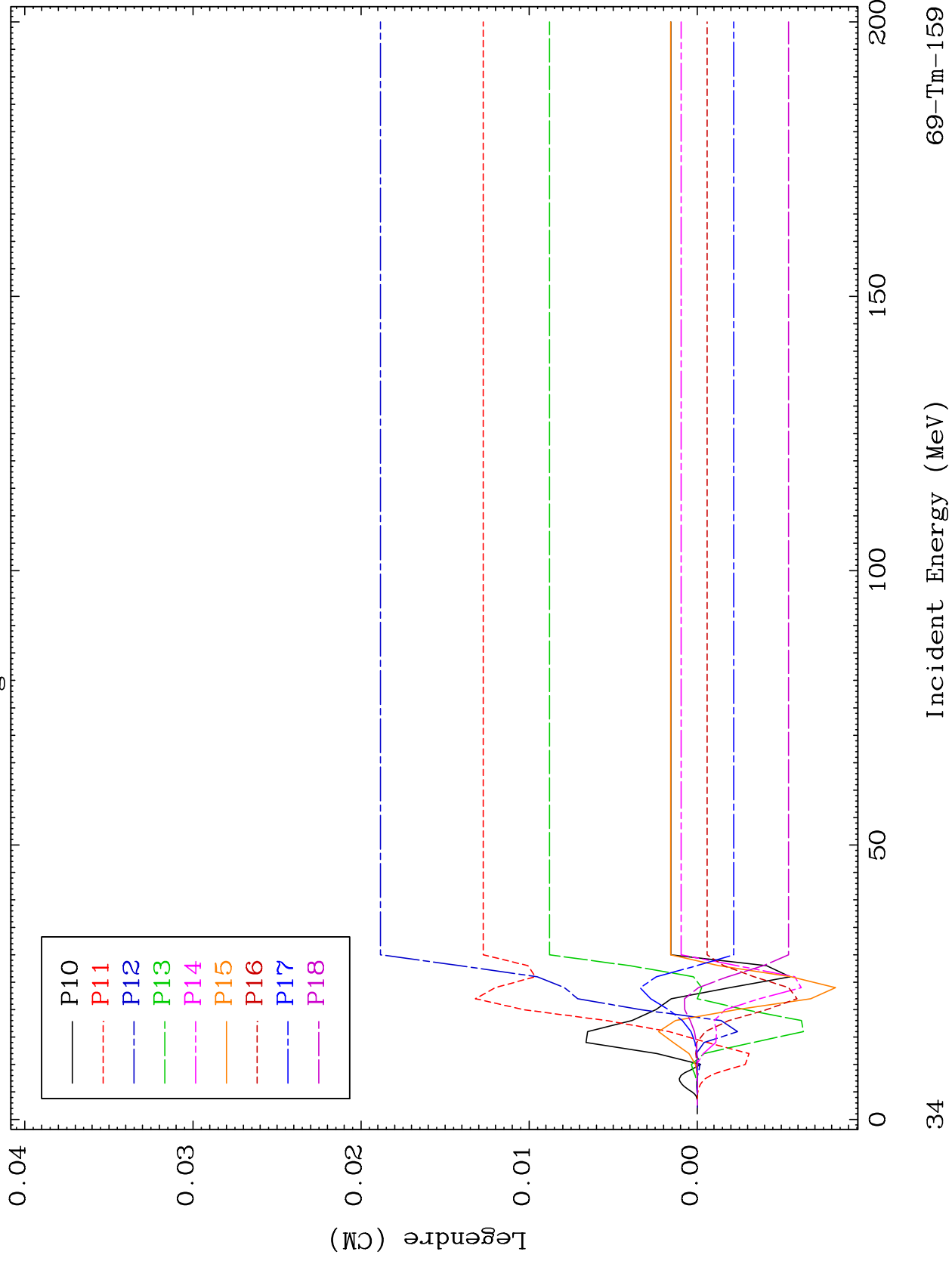




MAT 6895

166.2 keV (n,n') Level
Legendre Coefficients

69-Tm-159



34

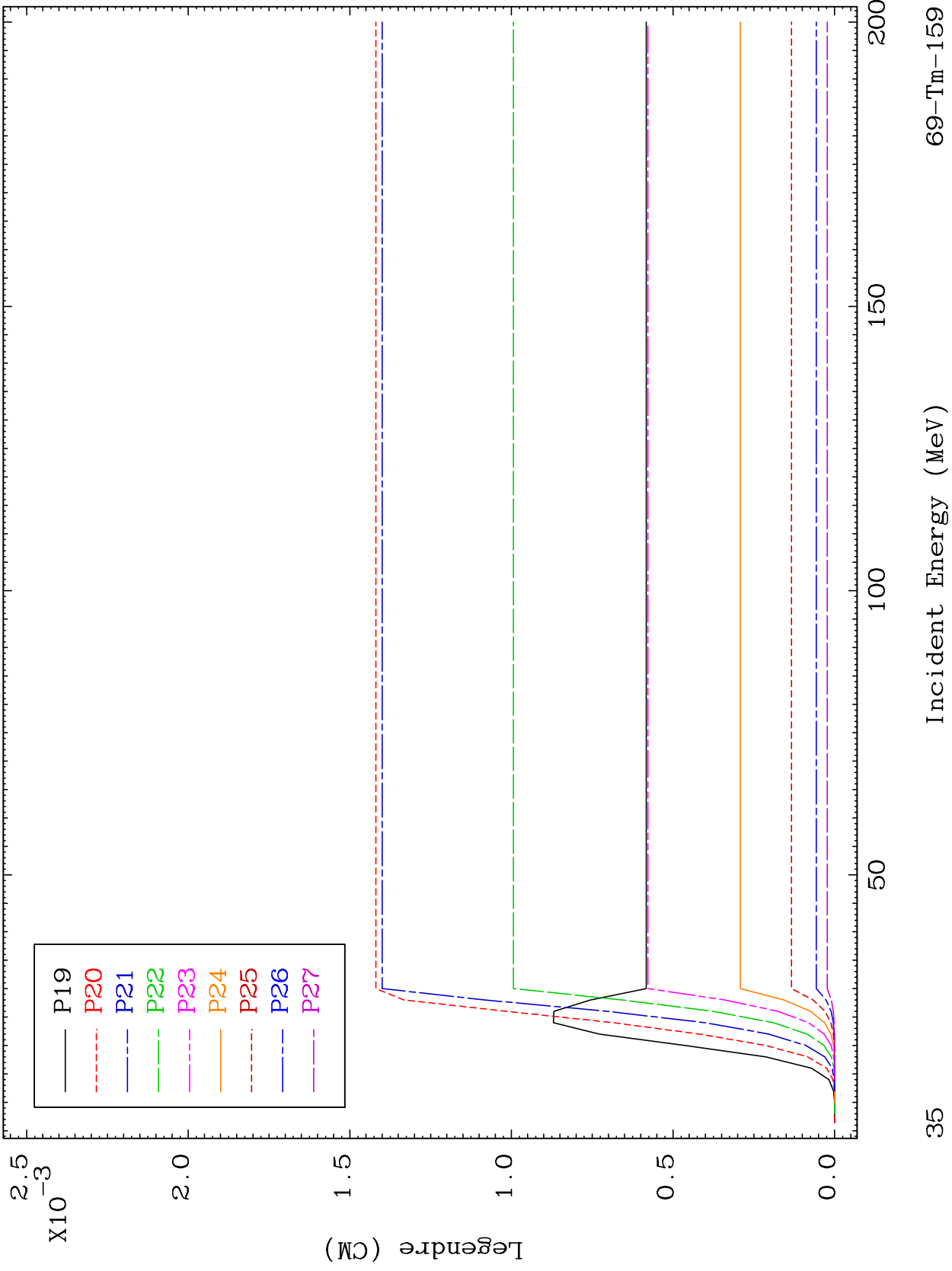
Incident Energy (MeV)

69-Tm-159

MAT 6895

166.2 keV (n, n') Level
Legendre Coefficients

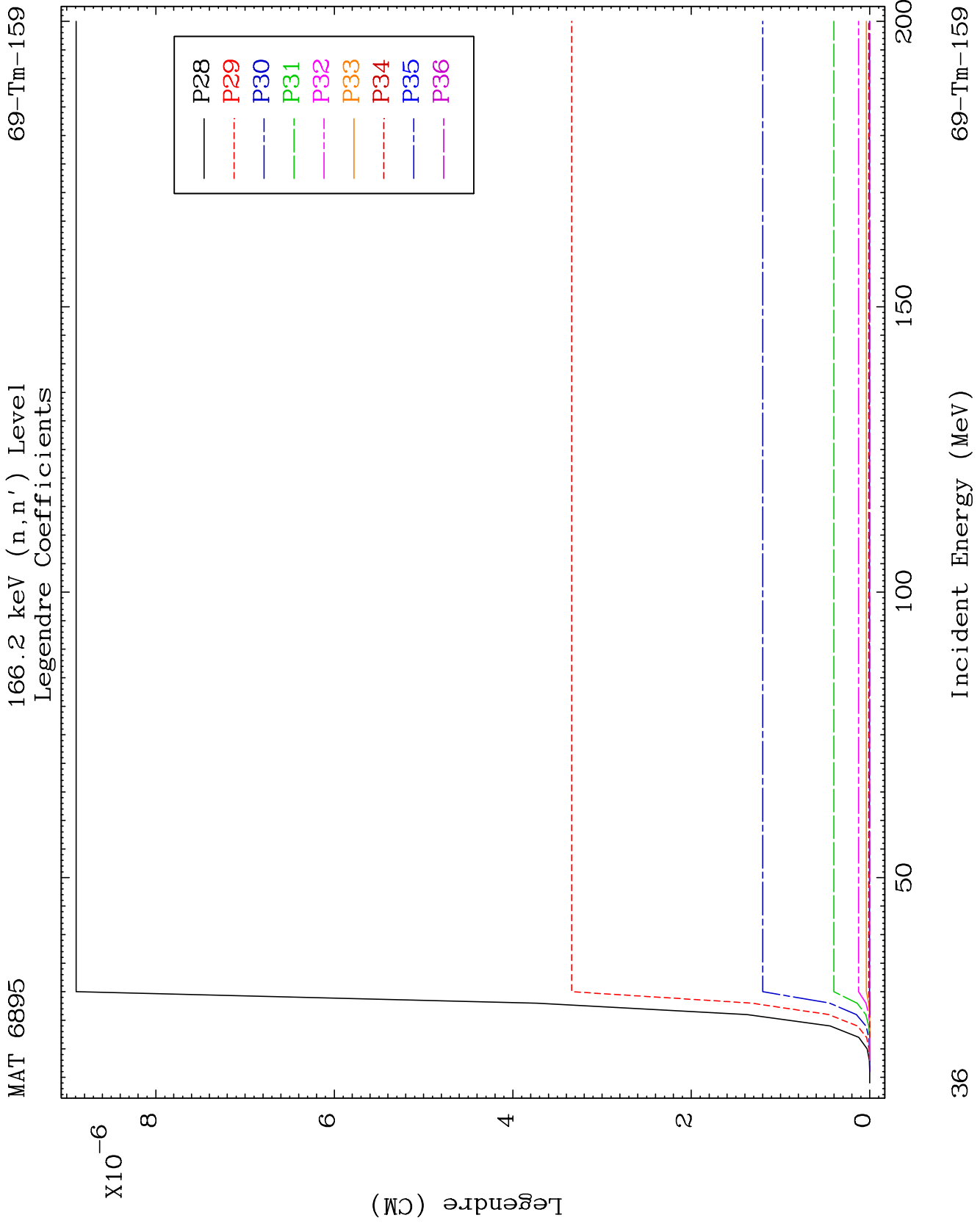
69-Tm-159



35

Incident Energy (MeV)

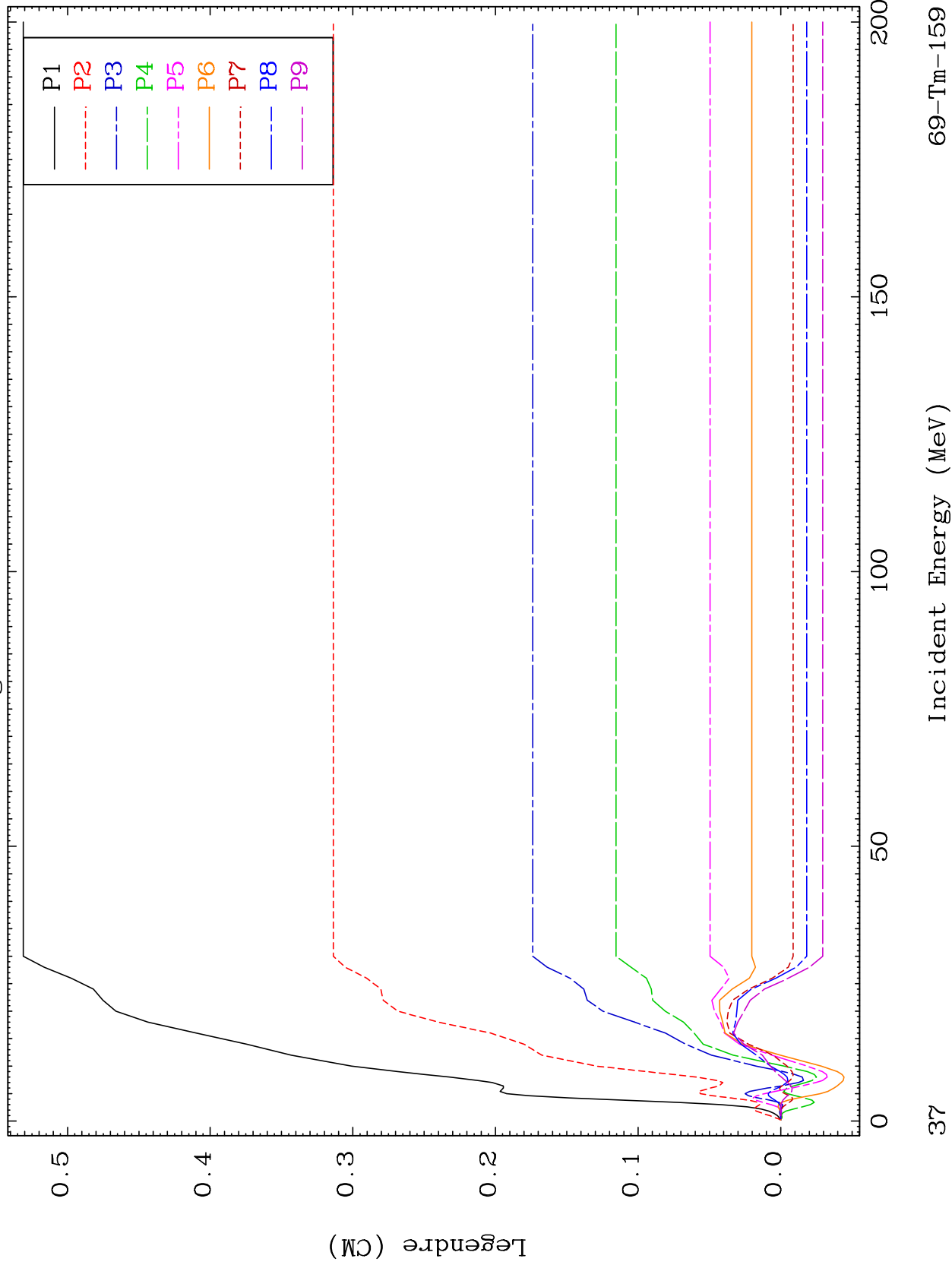
69-Tm-159



MAT 6895

177.1 keV (n,n') Level
Legendre Coefficients

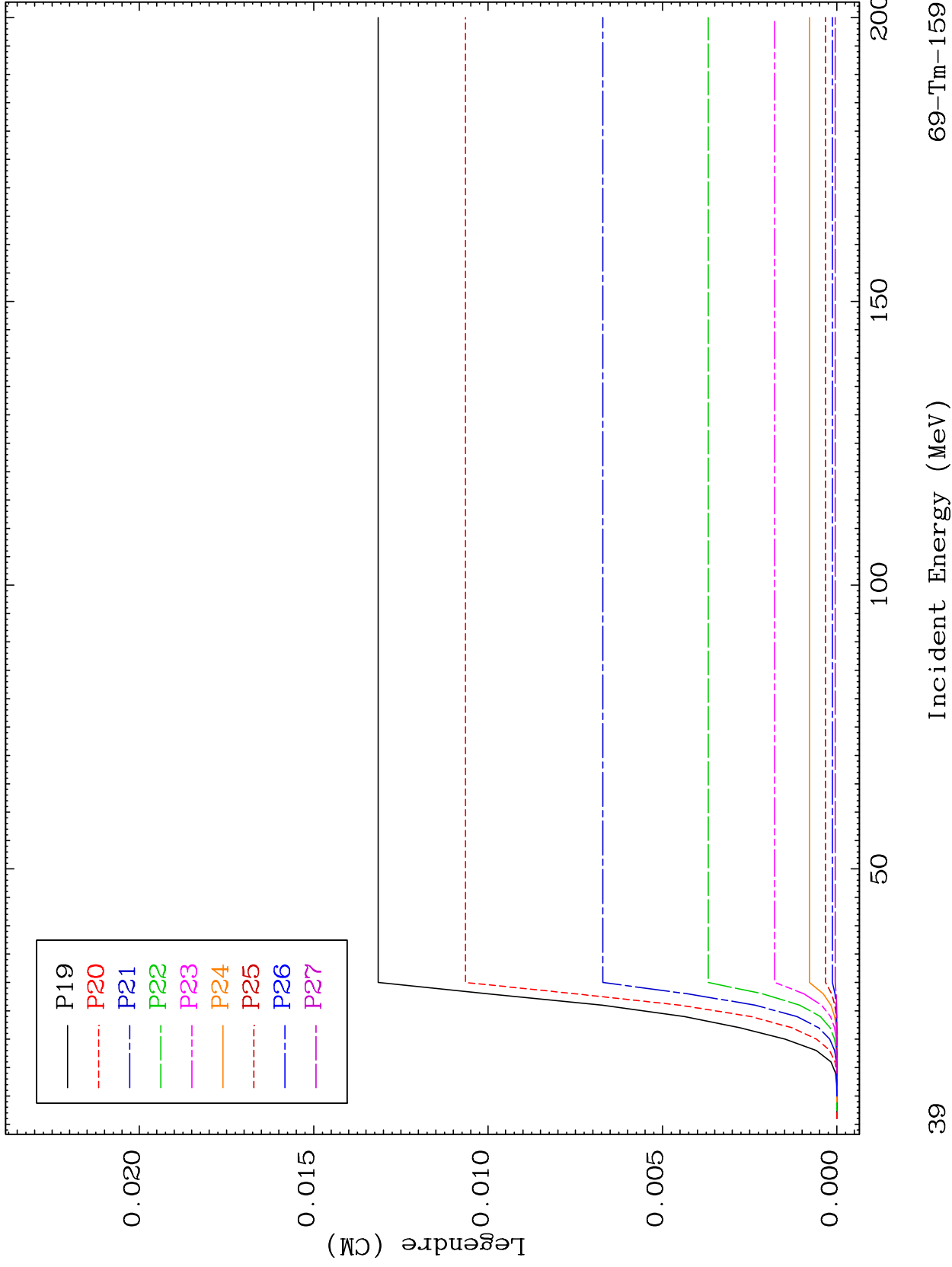
69-Tm-159



37

Incident Energy (MeV)

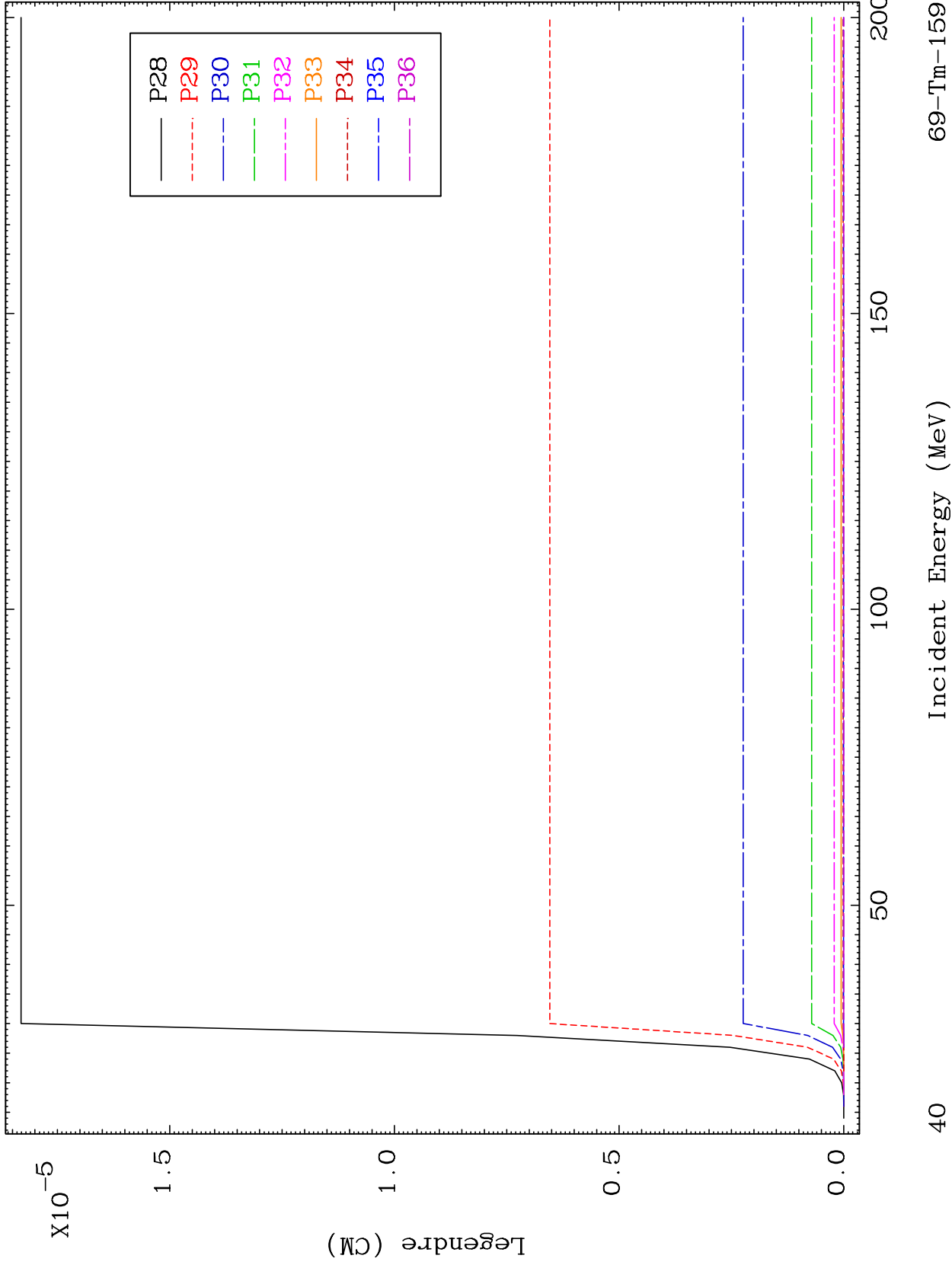
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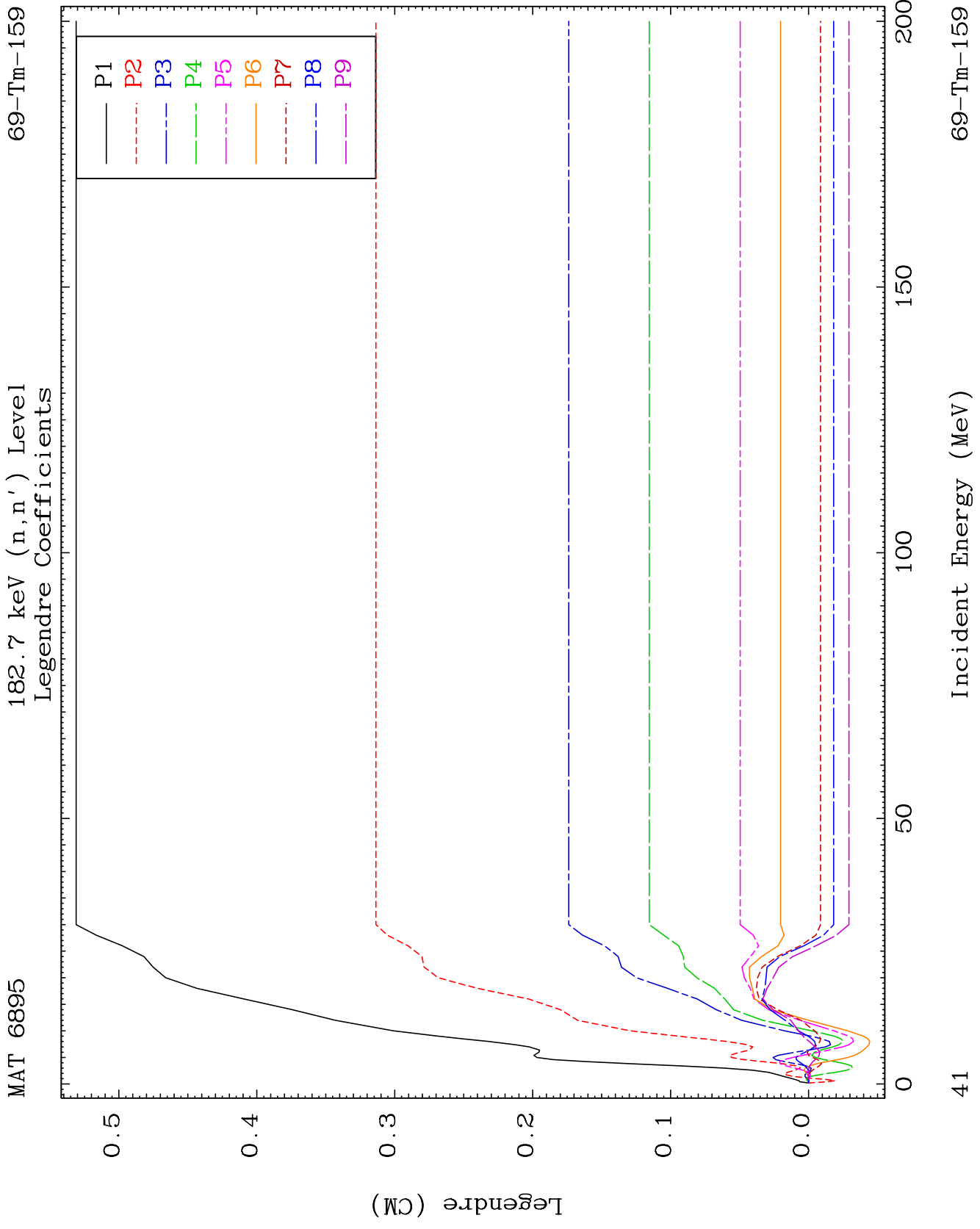


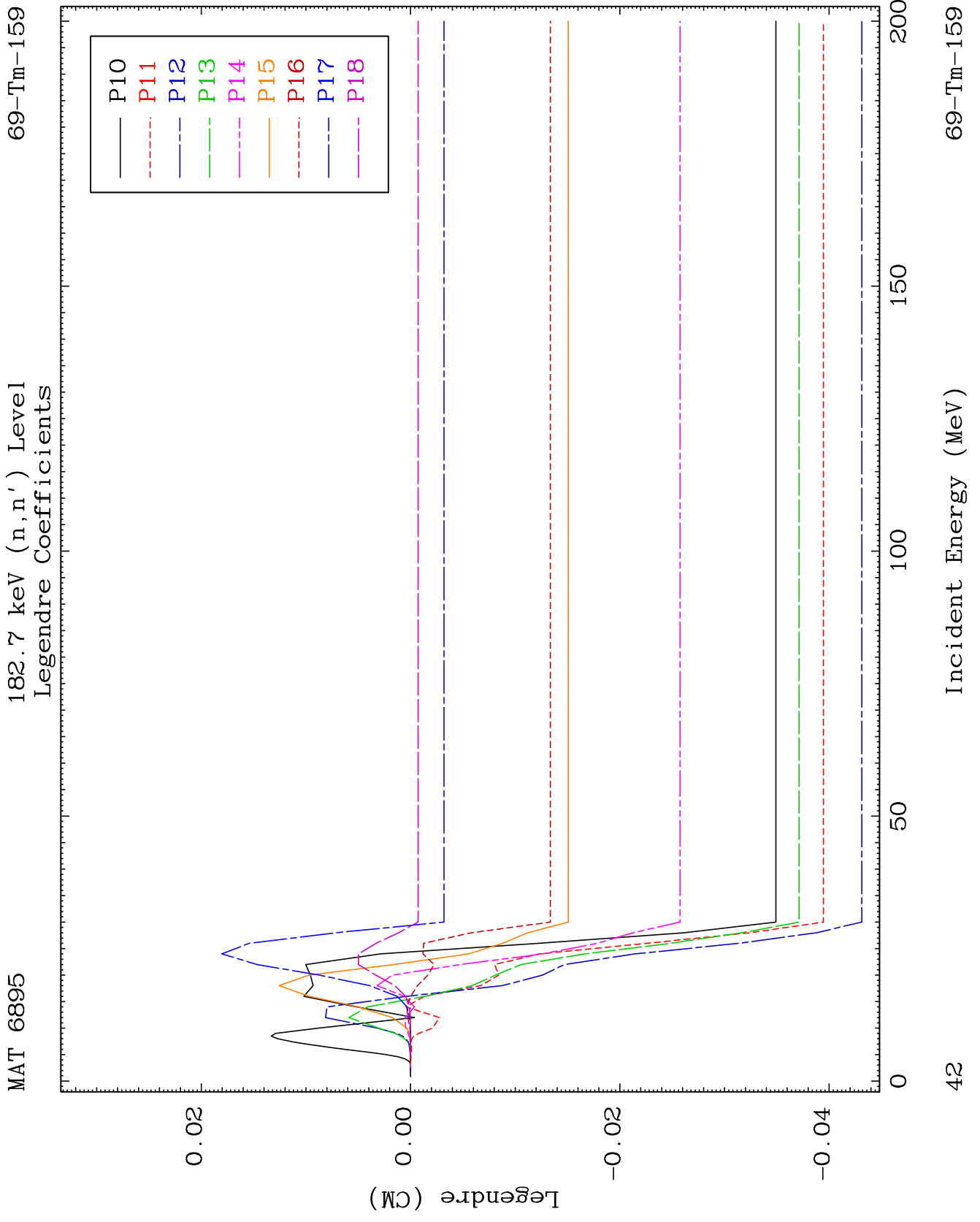
MAT 6895

177.1 keV (n,n') Level
Legendre Coefficients

69-Tm-159



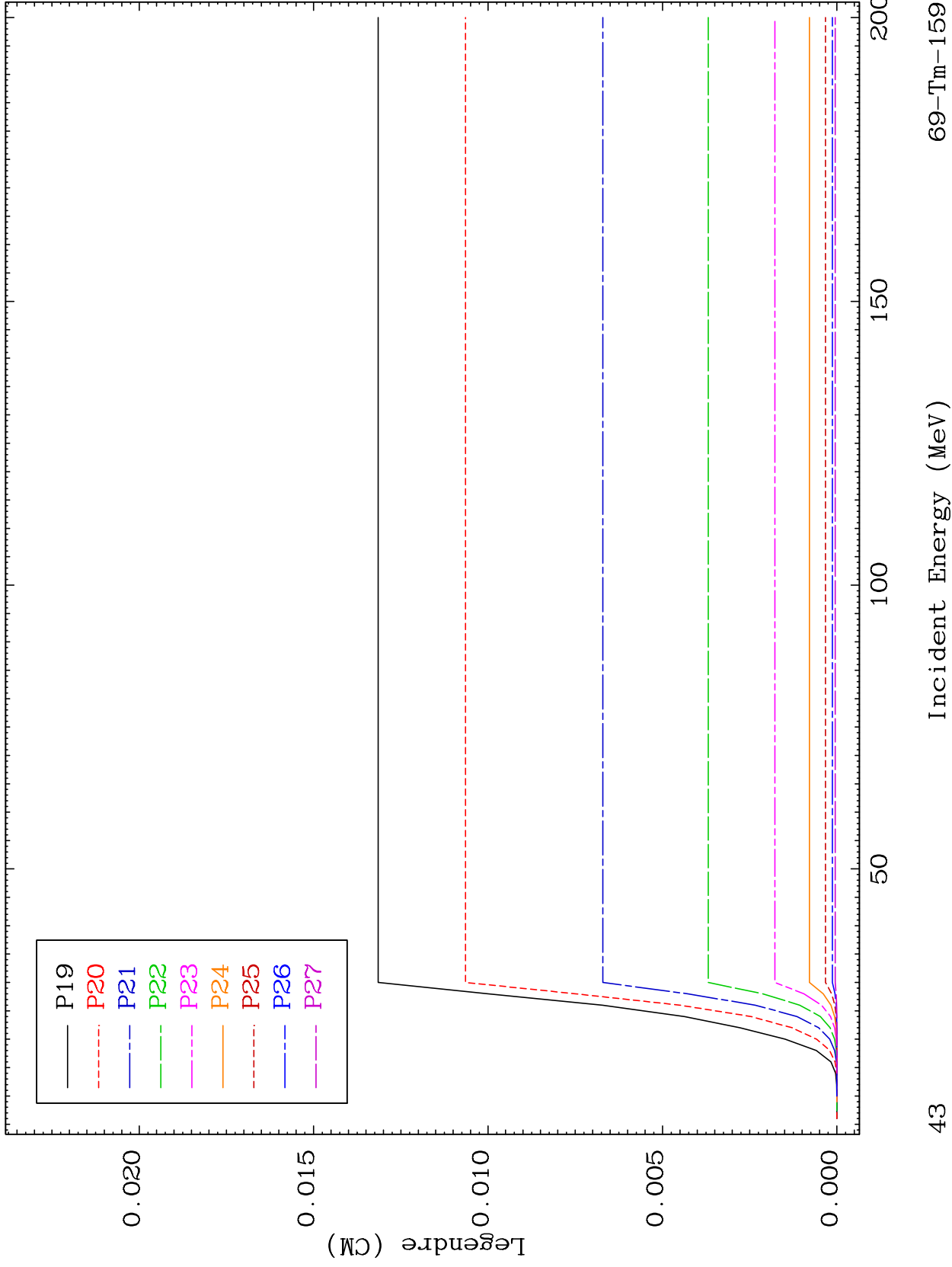




MAT 6895

182.7 keV (n,n') Level
Legendre Coefficients

69-Tm-159



43

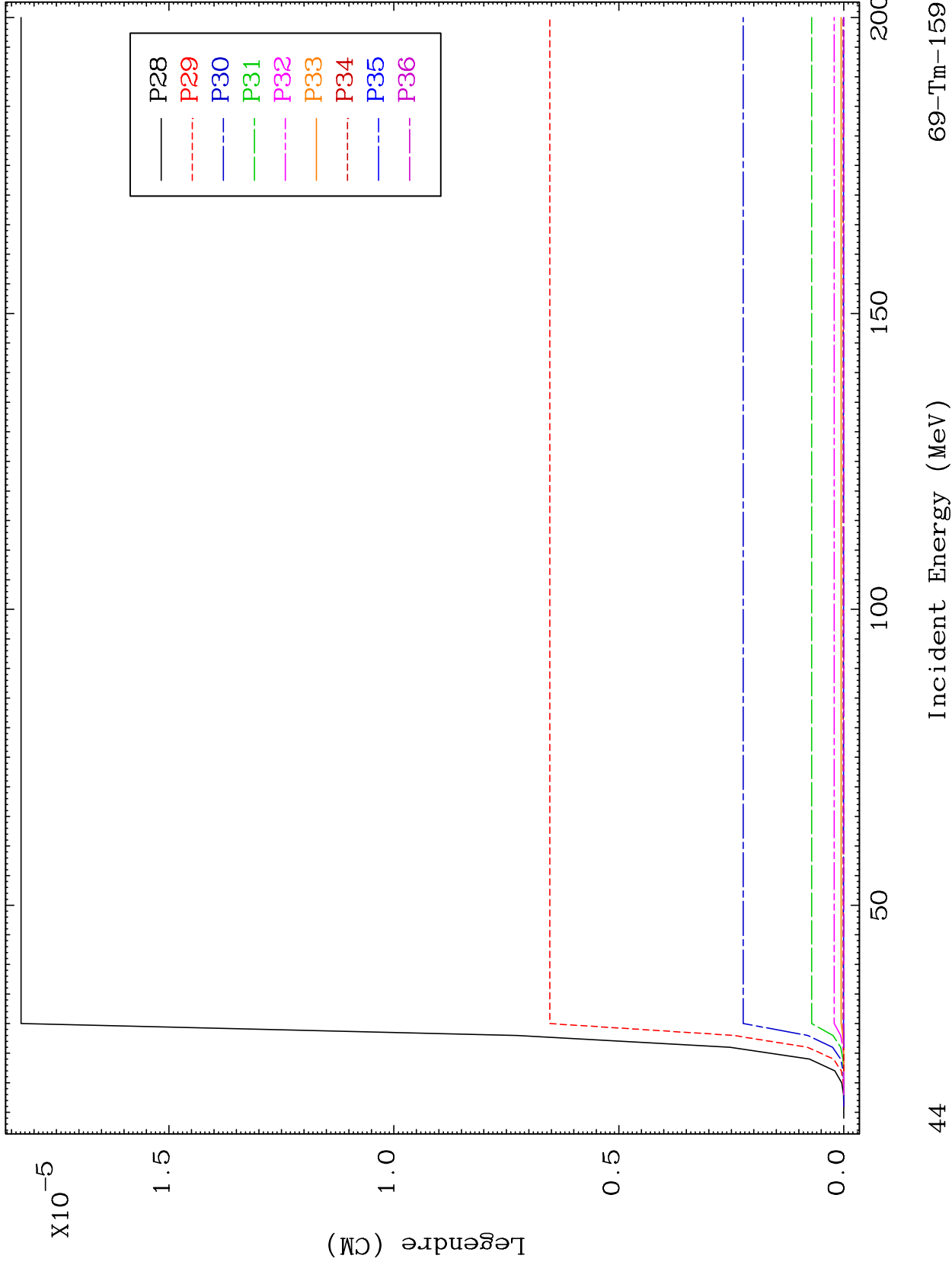
Incident Energy (MeV)

69-Tm-159

MAT 6895

182.7 keV (n,n') Level
Legendre Coefficients

69-Tm-159



44

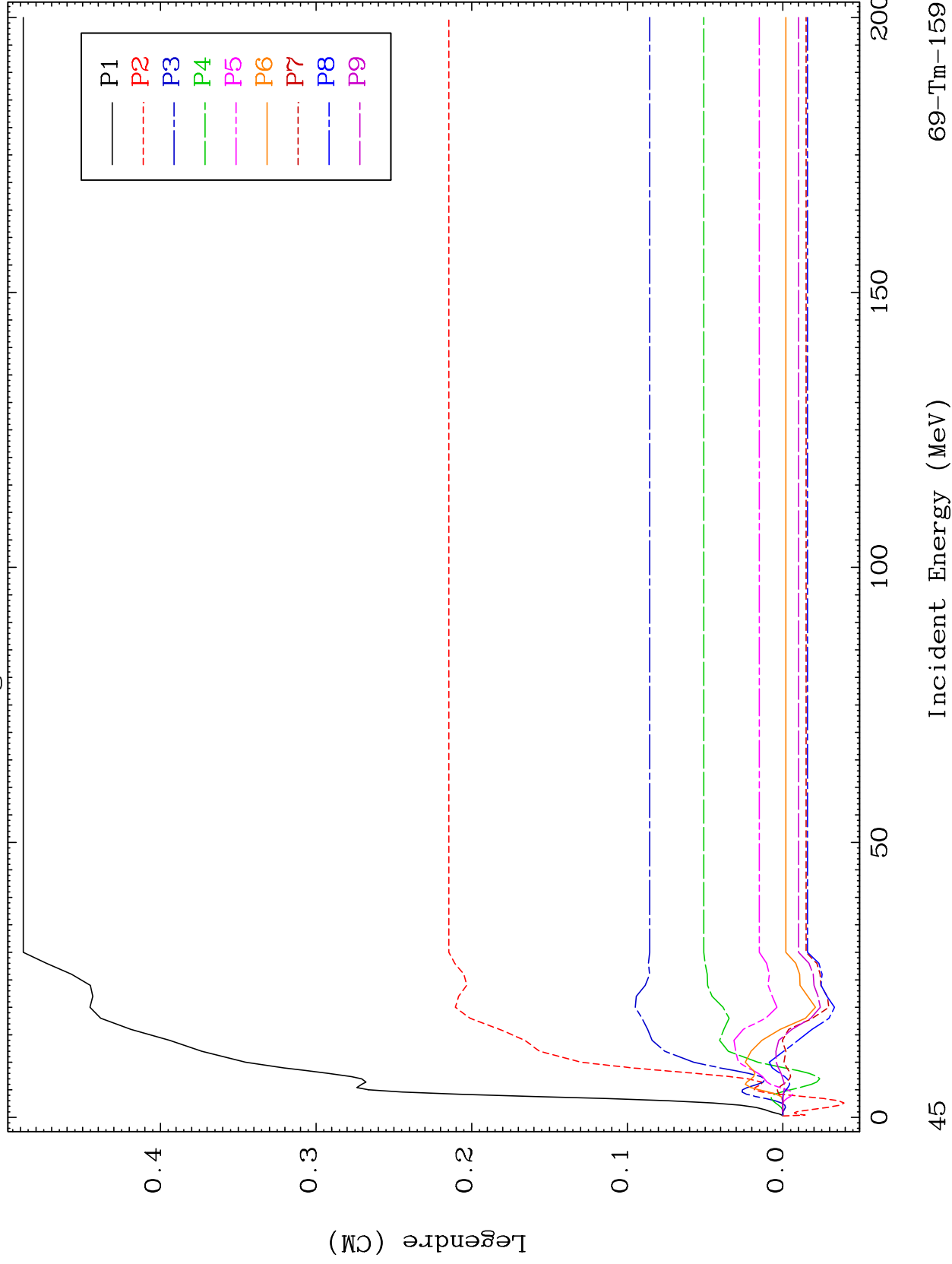
Incident Energy (MeV)

69-Tm-159

MAT 6895

232.6 keV (n,n') Level
Legendre Coefficients

69-Tm-159



69-Tm-159

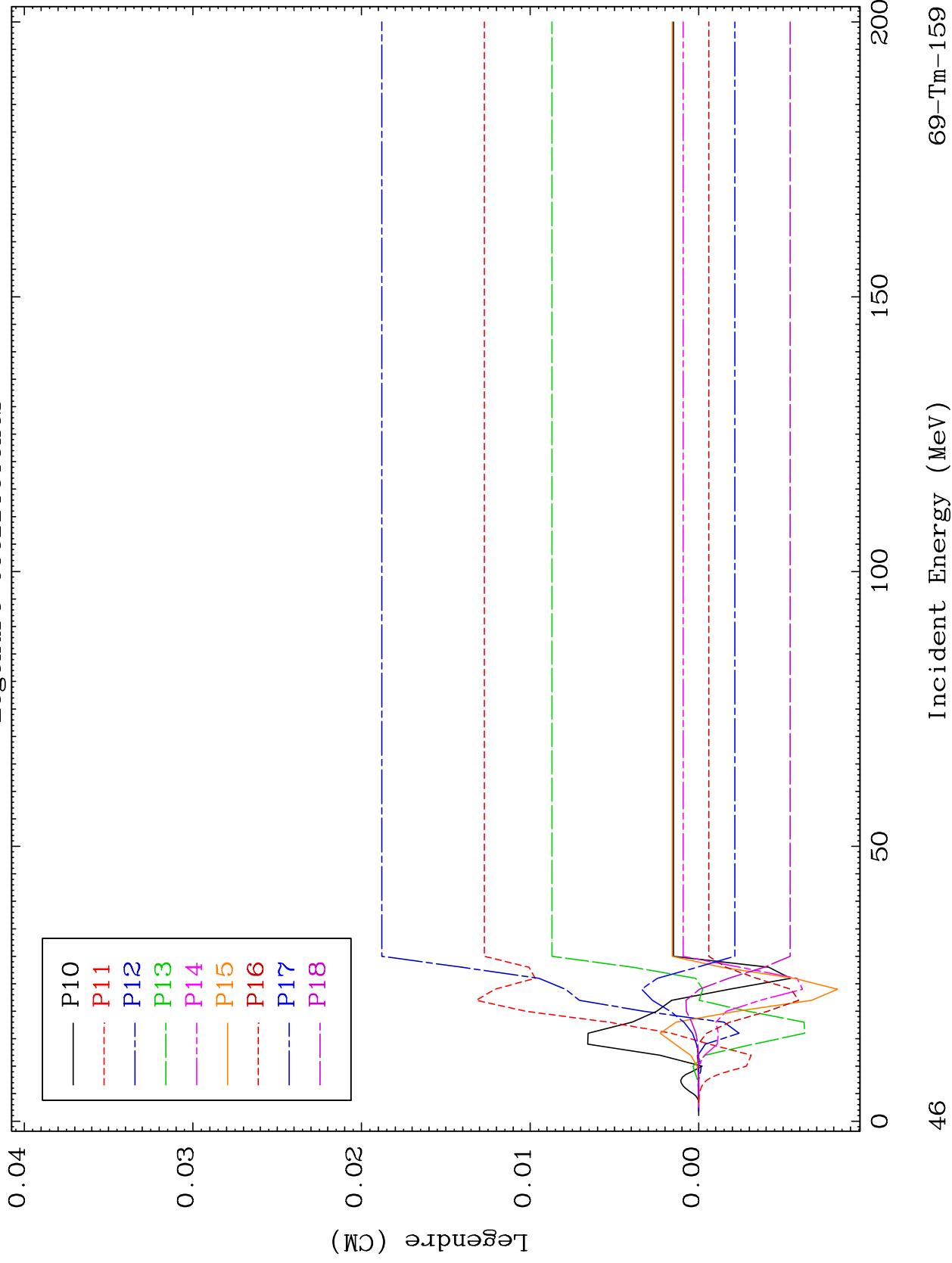
Incident Energy (MeV)

45

MAT 6895

232.6 keV (n,n') Level
Legendre Coefficients

69-Tm-159



46

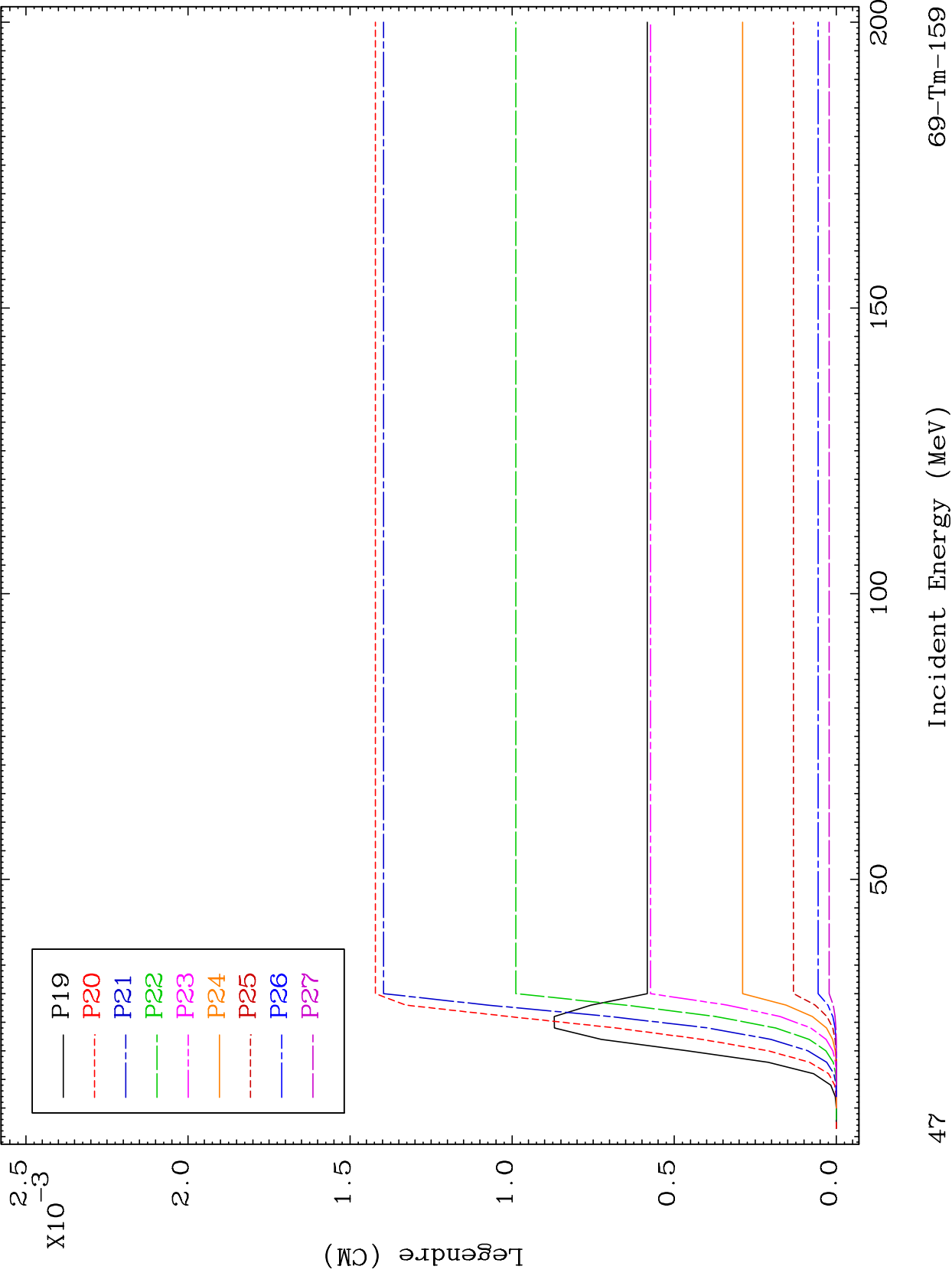
Incident Energy (MeV)

69-Tm-159

MAT 6895

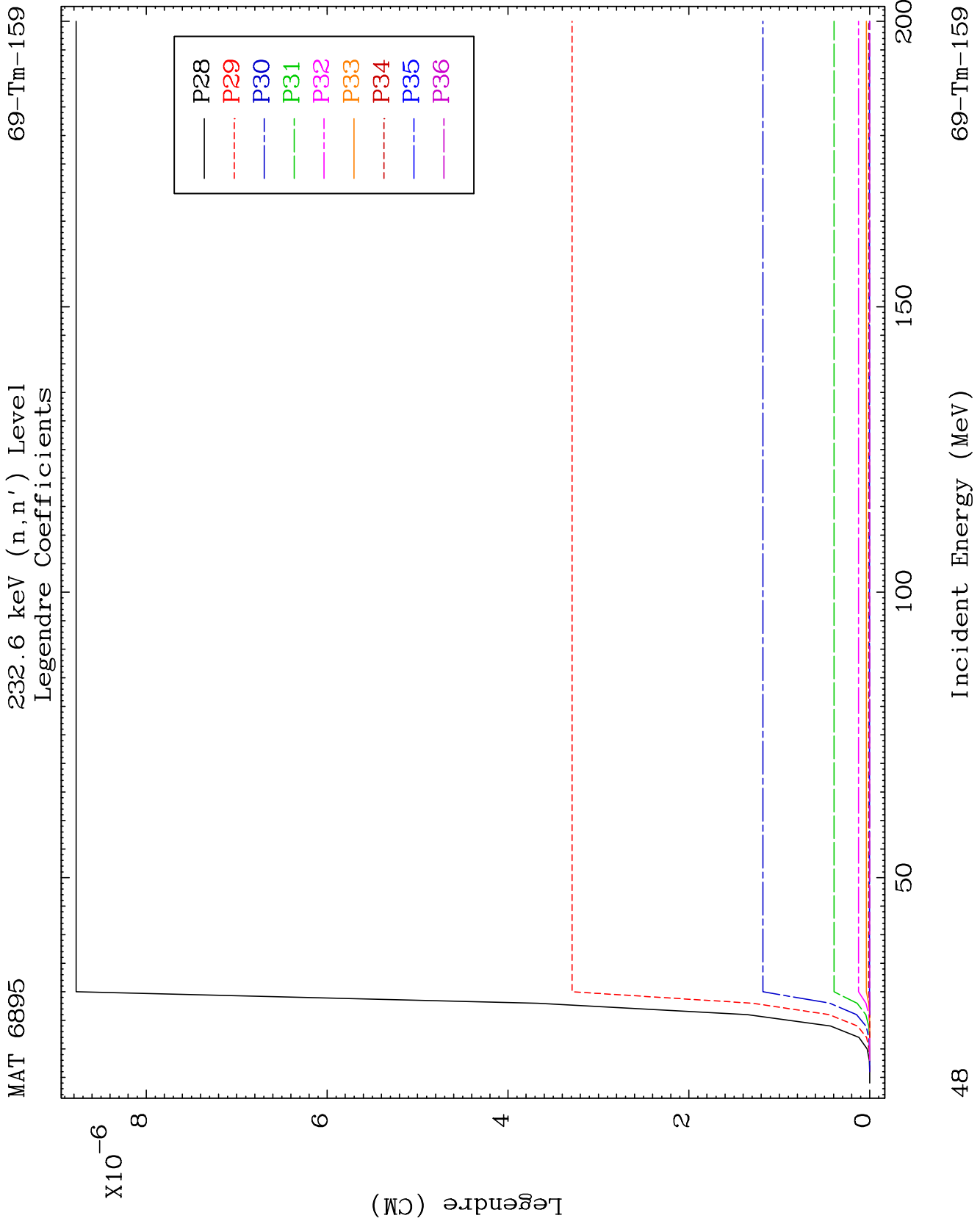
232.6 keV (n,n') Level
Legendre Coefficients

69-Tm-159



47

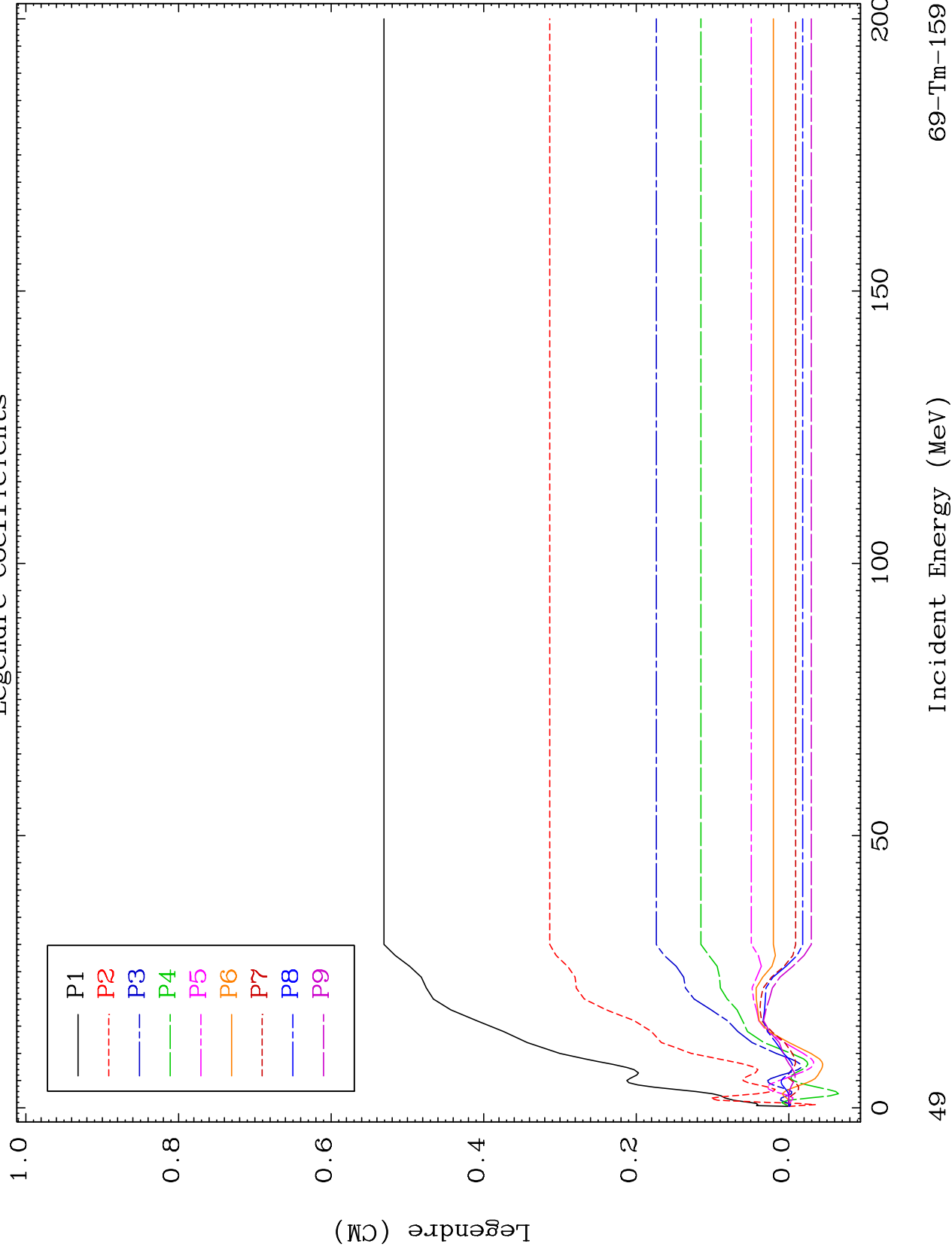
69-Tm-159



MAT 6895

246.7 keV (n,n') Level
Legendre Coefficients

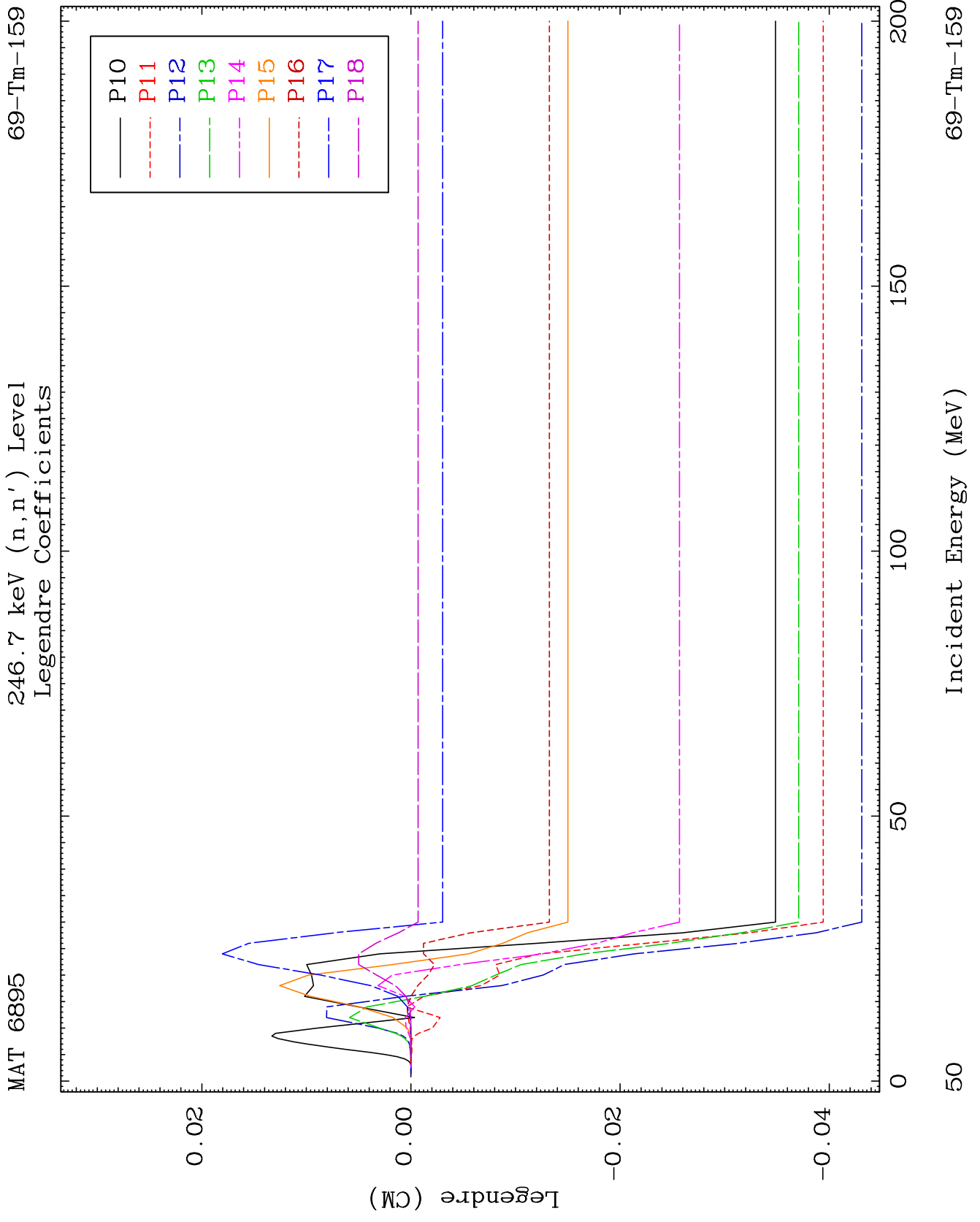
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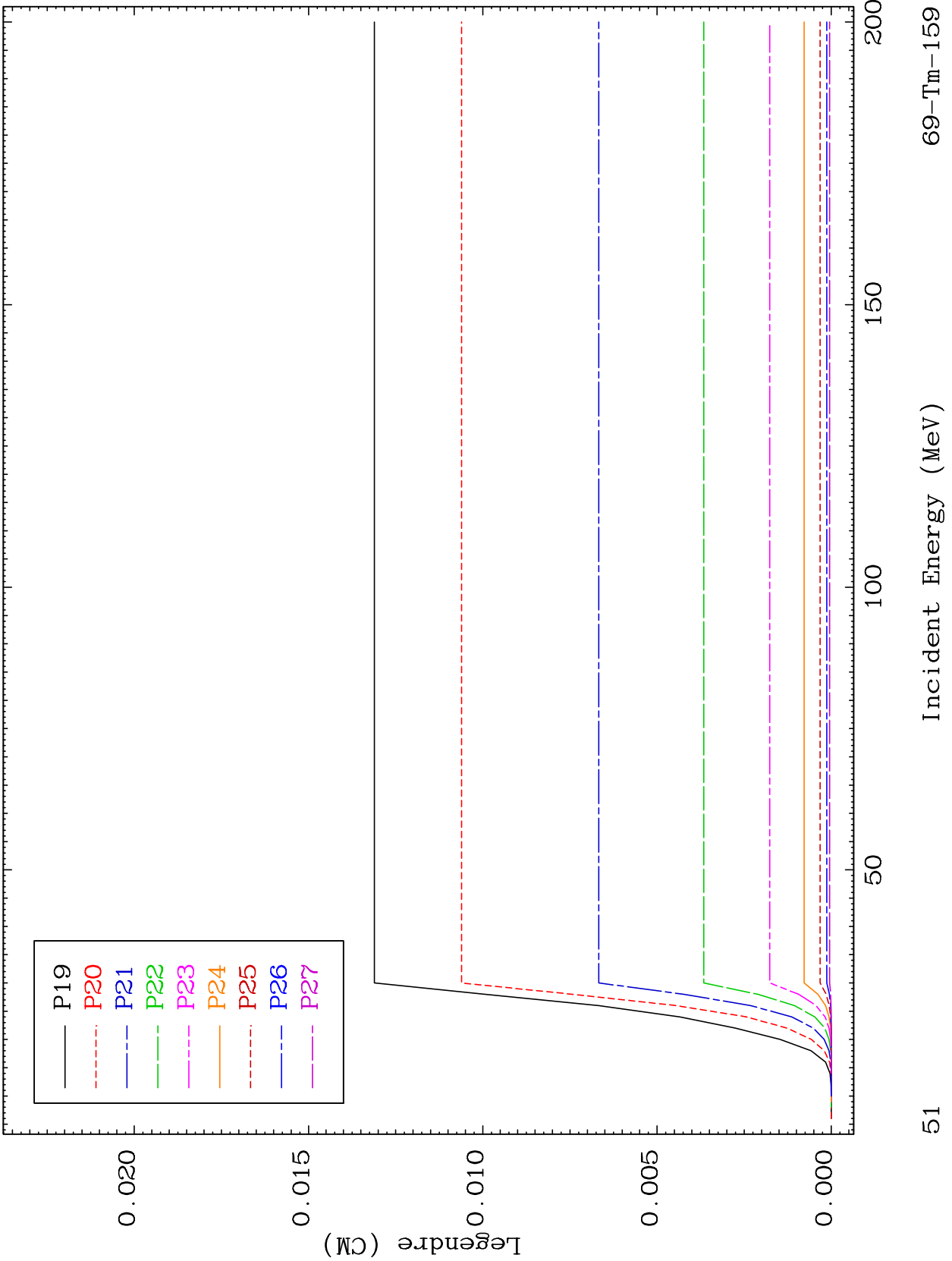


69-Tm-159

Incident Energy (MeV)

49

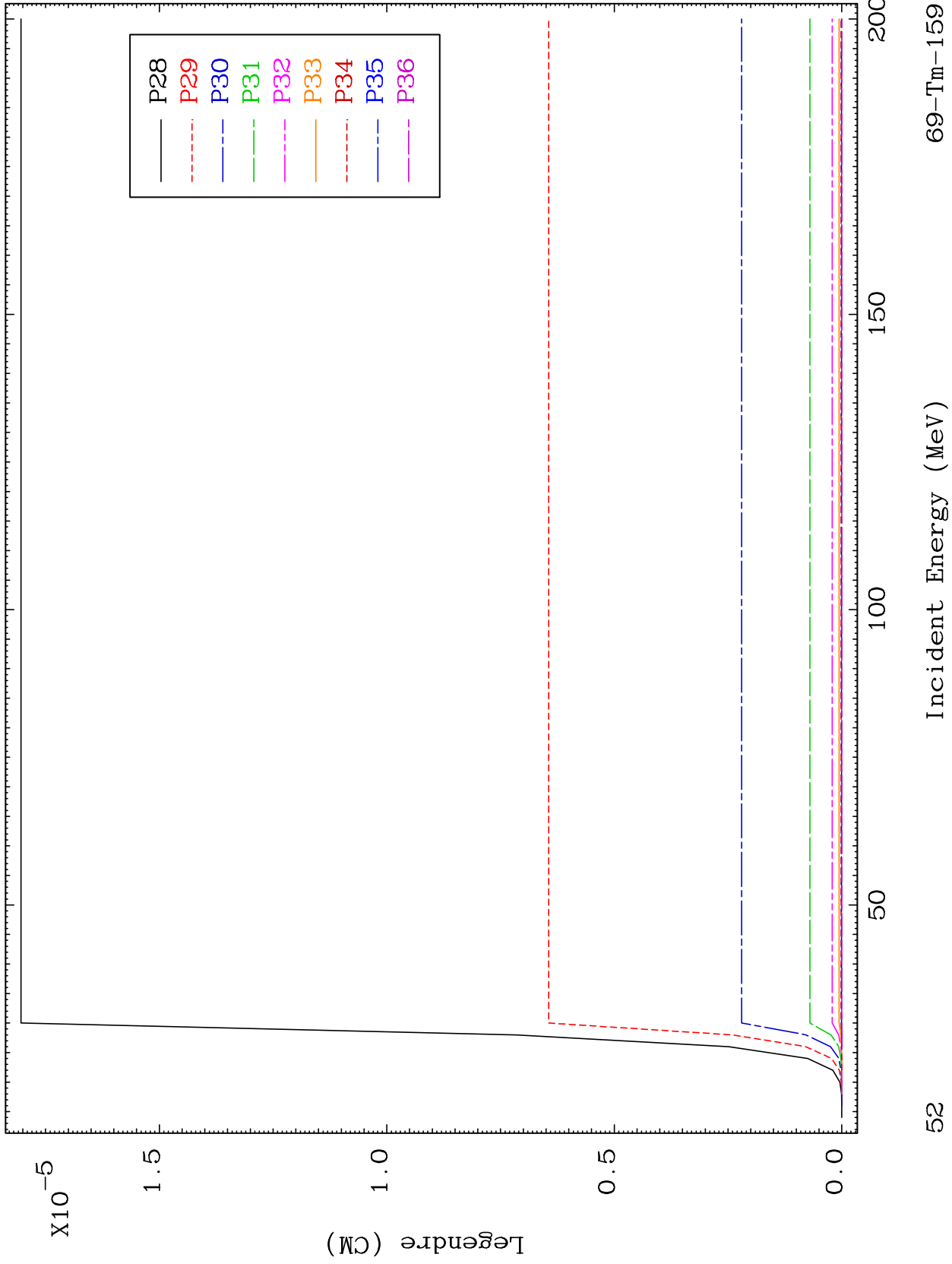




MAT 6895

246.7 keV (n,n') Level
Legendre Coefficients

69-Tm-159



52

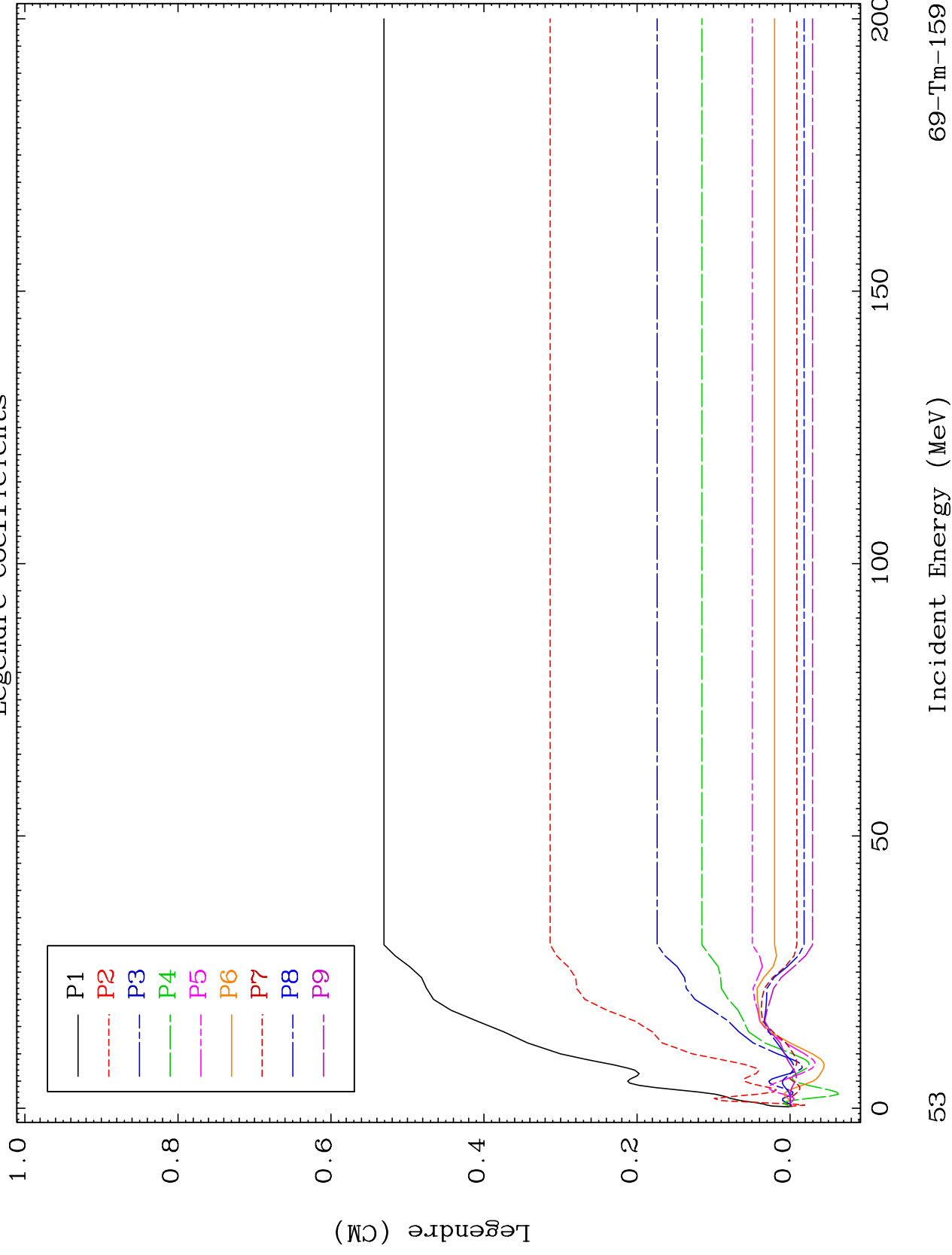
Incident Energy (MeV)

69-Tm-159

MAT 6895

253.8 keV (n, n') Level
Legendre Coefficients

69-Tm-159



69-Tm-159

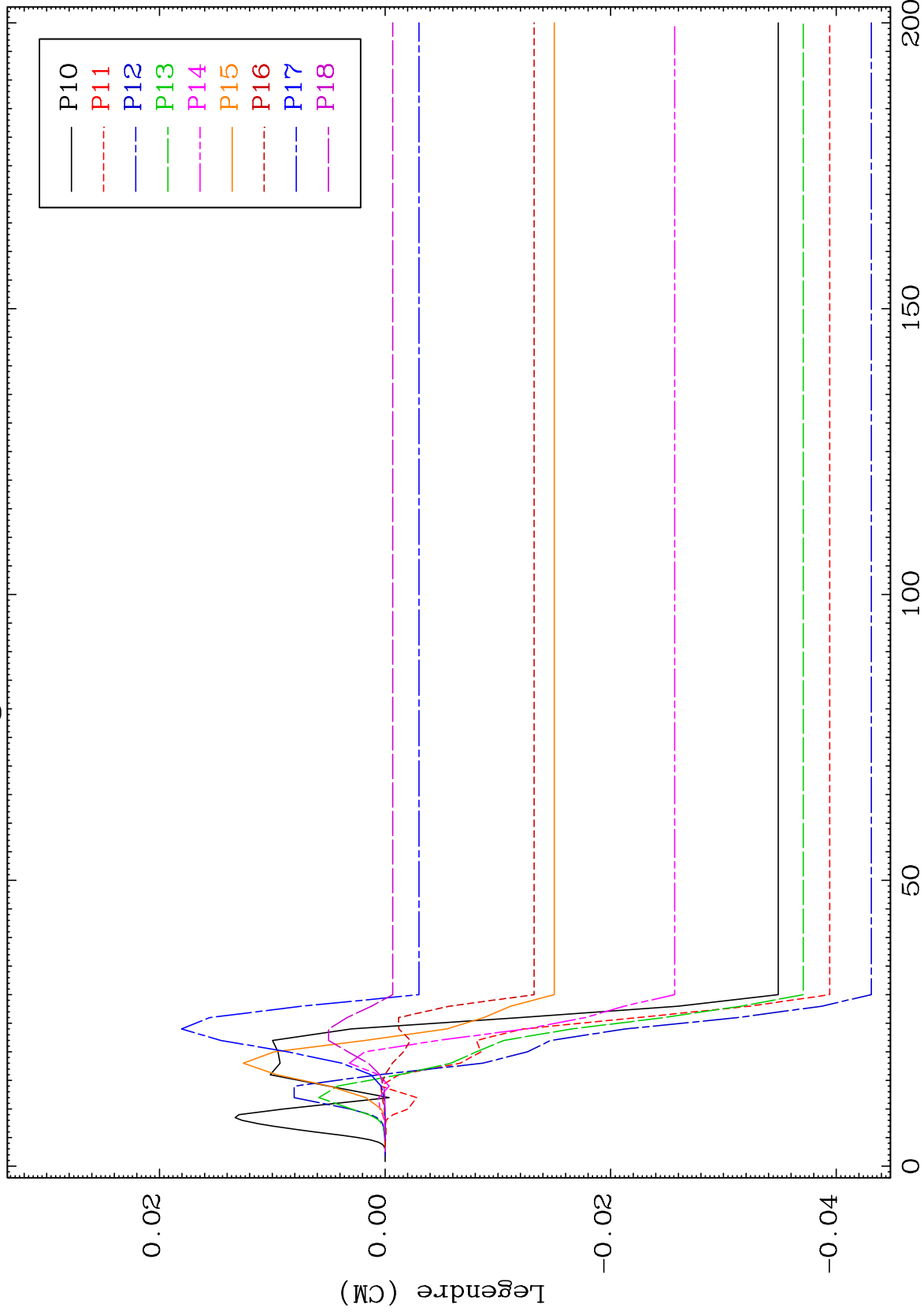
Incident Energy (MeV)

53

MAT 6895

253.8 keV (n,n') Level
Legendre Coefficients

69-Tm-159



54

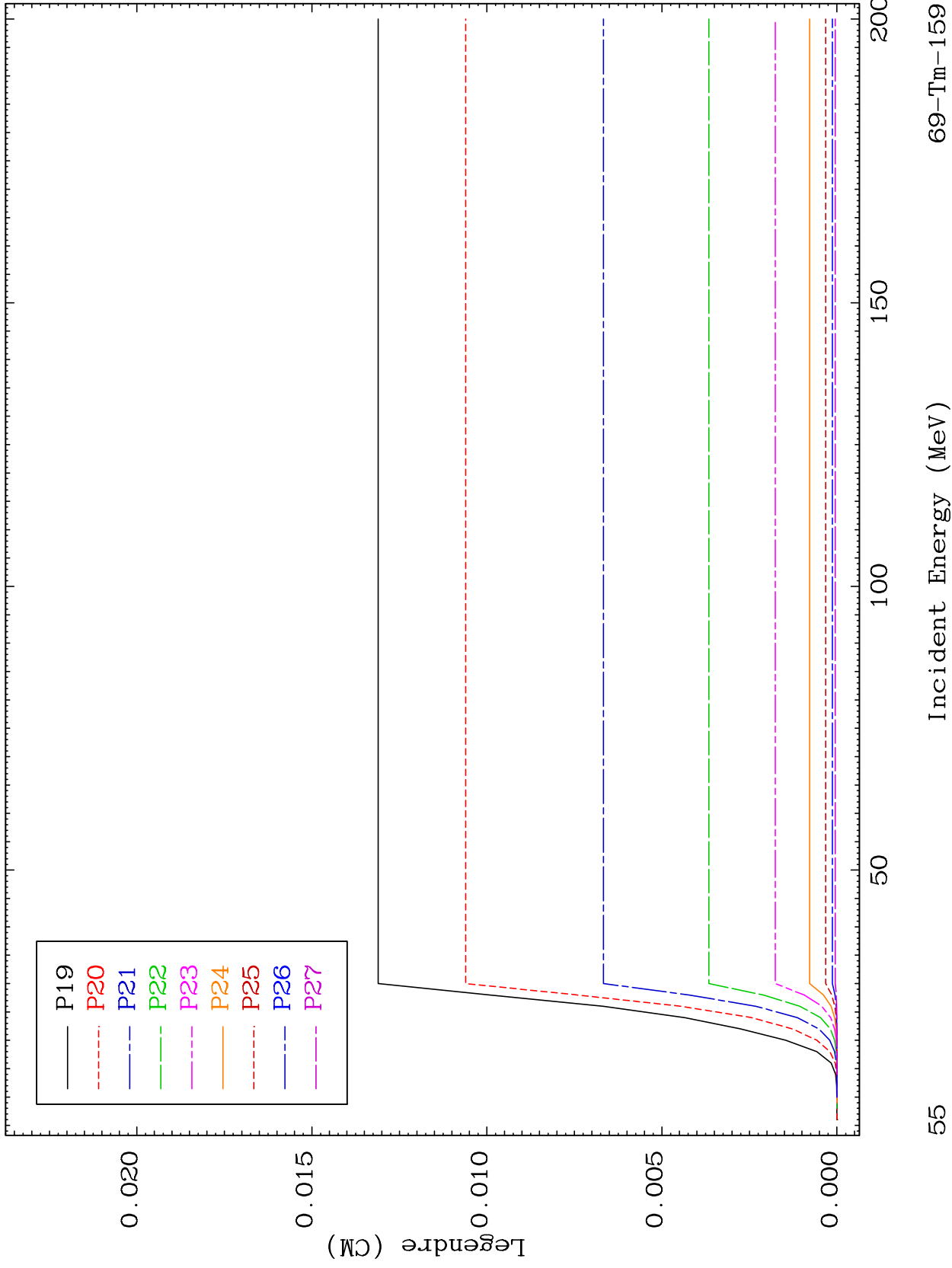
Incident Energy (MeV)

69-Tm-159

MAT 6895

253.8 keV (n, n') Level
Legendre Coefficients

69-Tm-159



69-Tm-159

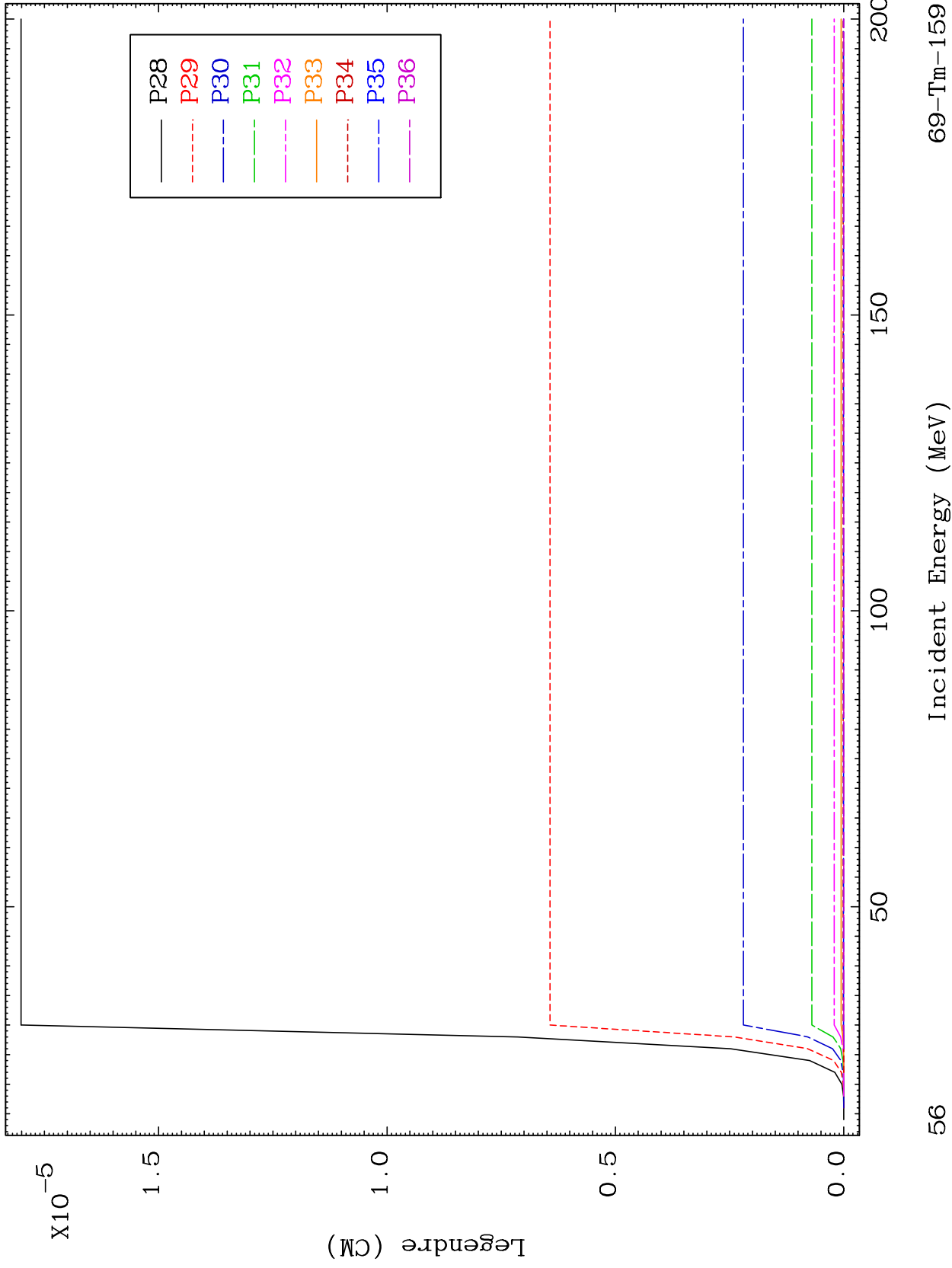
Incident Energy (MeV)

55

MAT 6895

253.8 keV (n,n') Level
Legendre Coefficients

69-Tm-159



56

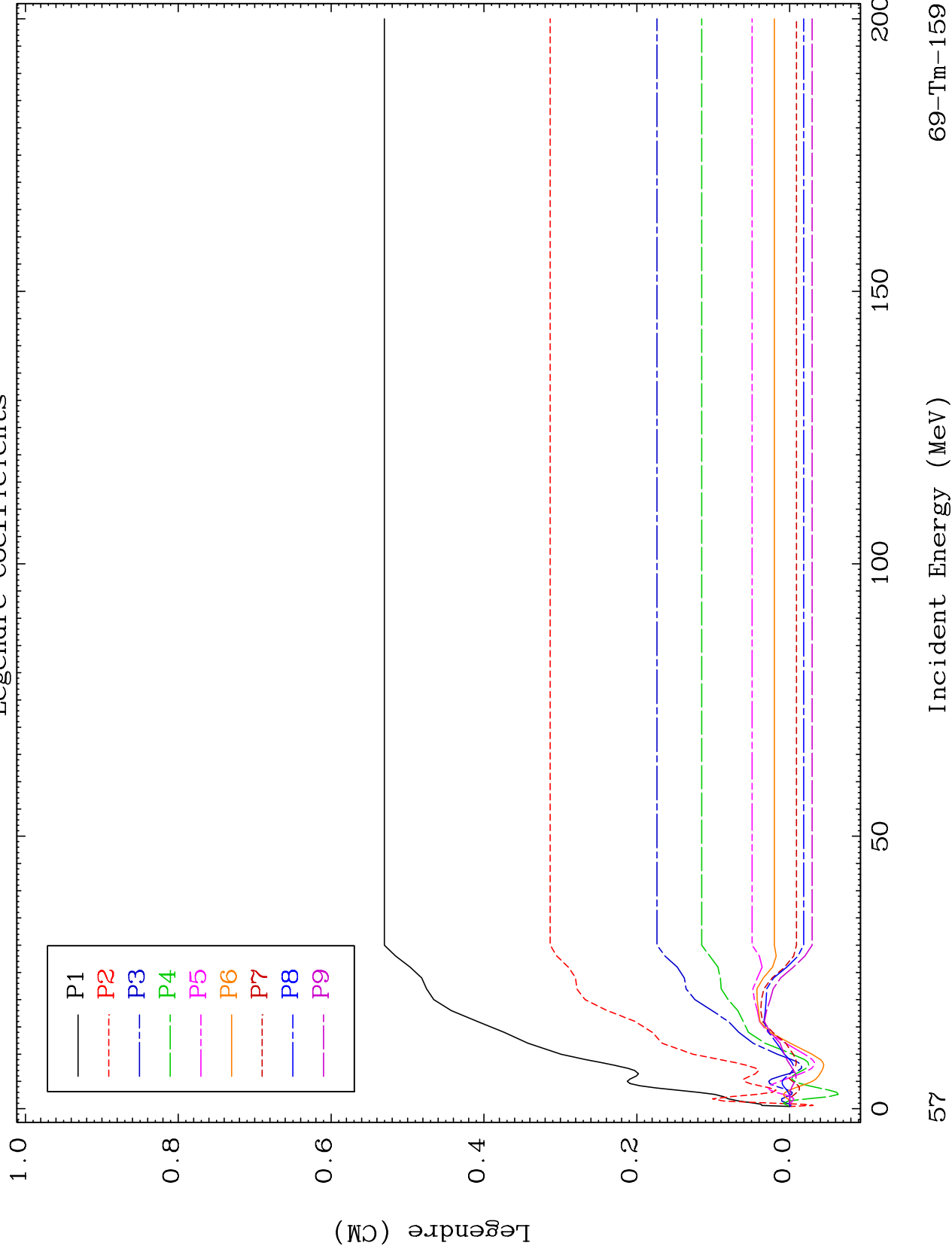
Incident Energy (MeV)

69-Tm-159

MAT 6895

316.9 keV (n,n') Level
Legendre Coefficients

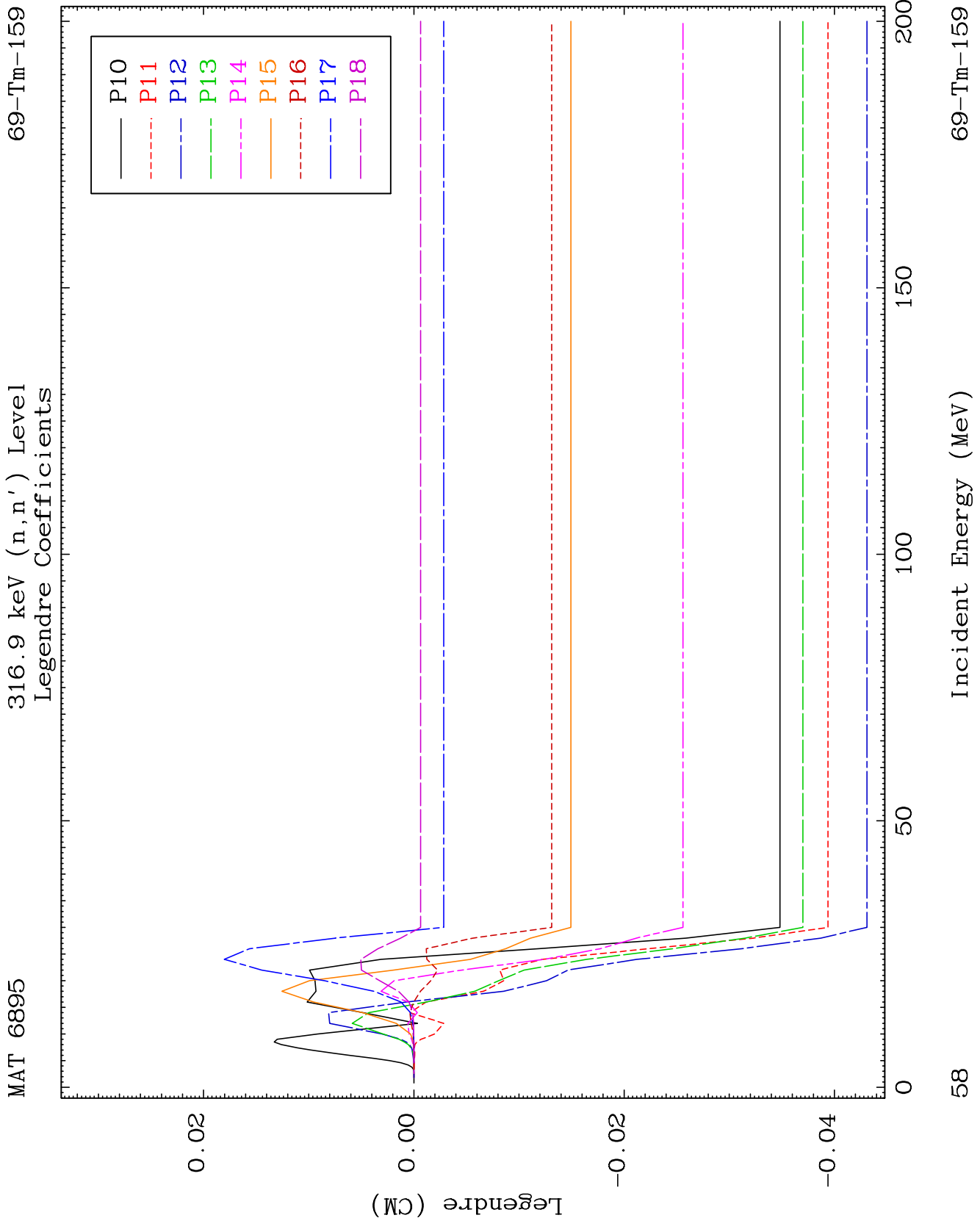
69-Tm-159

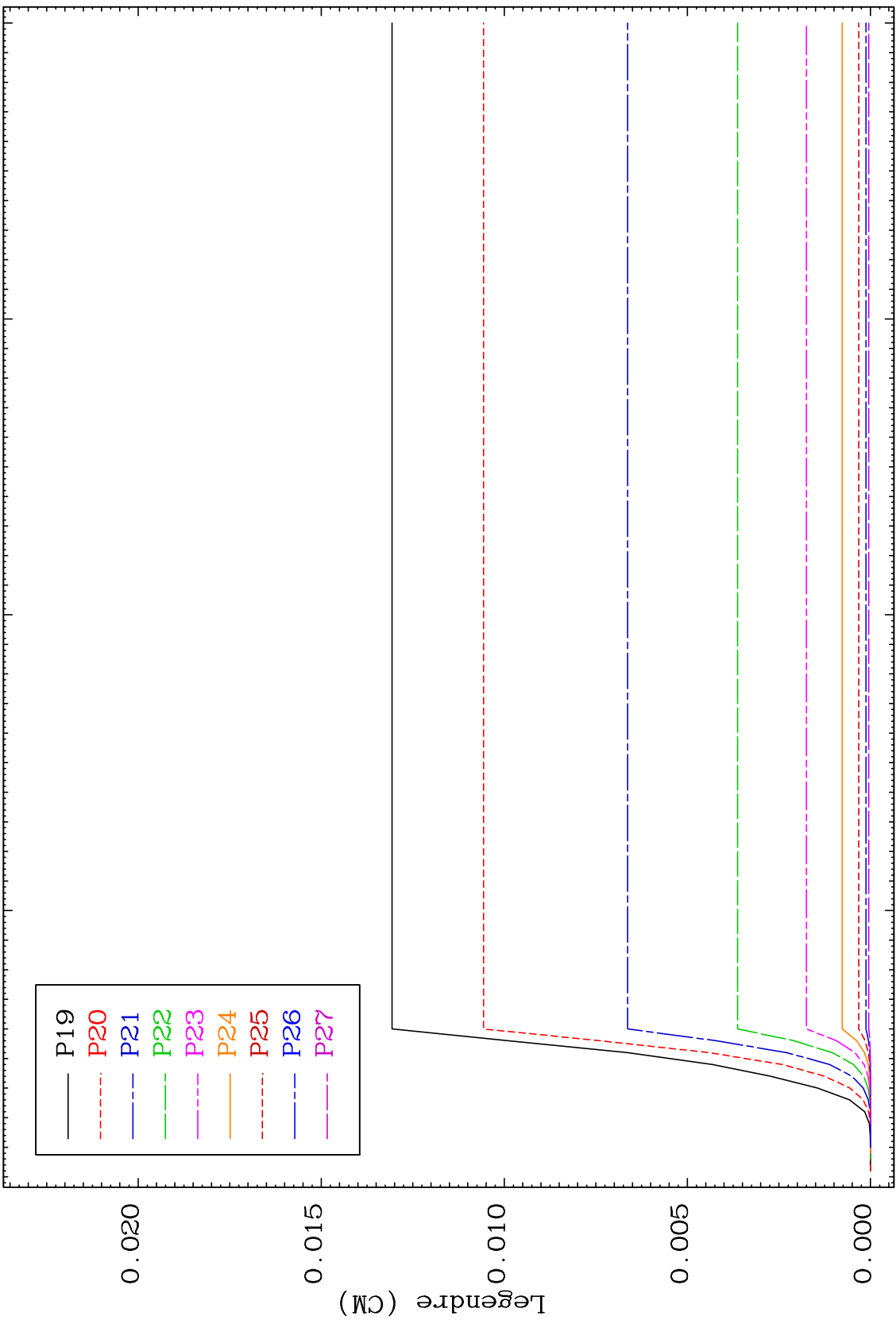


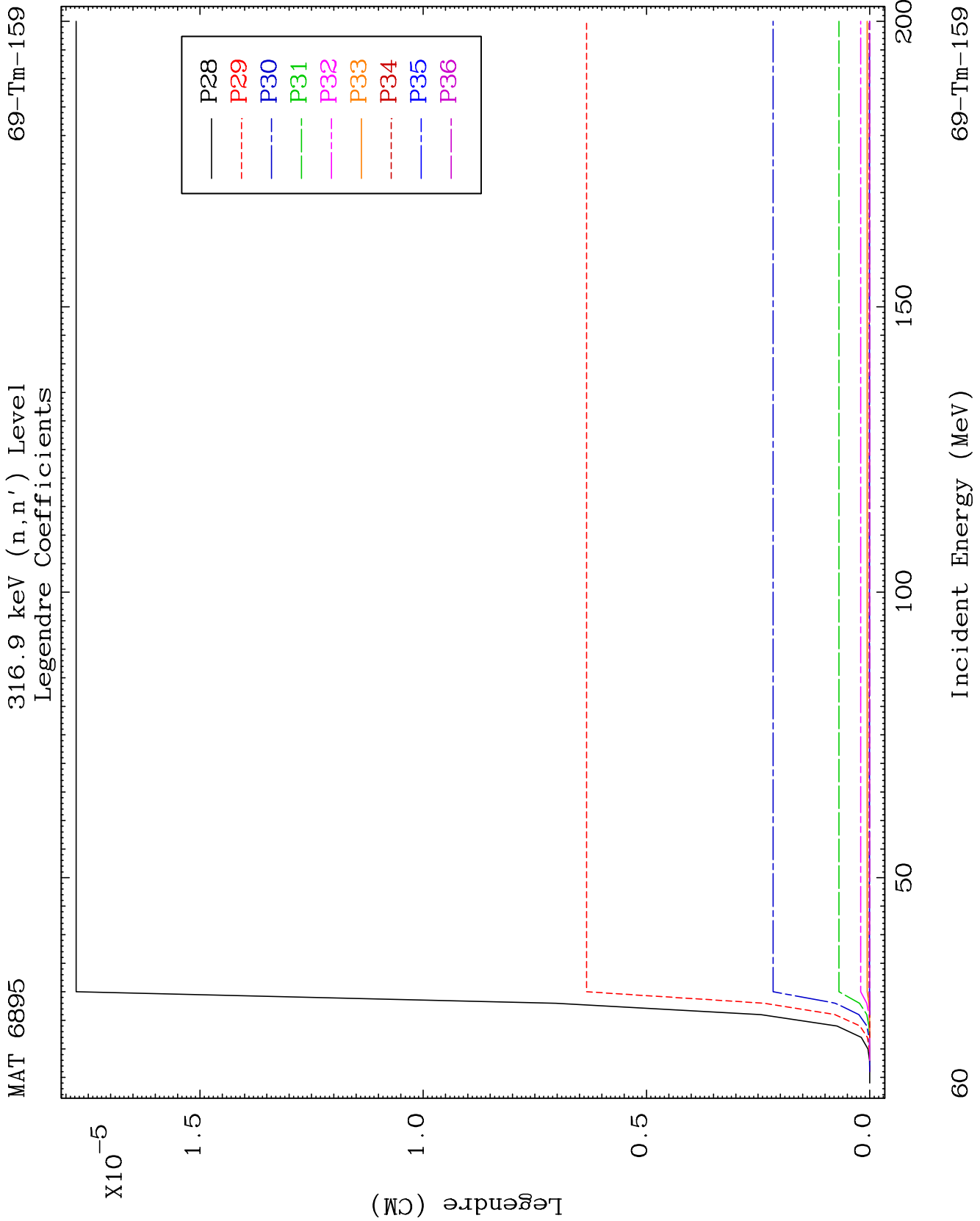
57

Incident Energy (MeV)

69-Tm-159



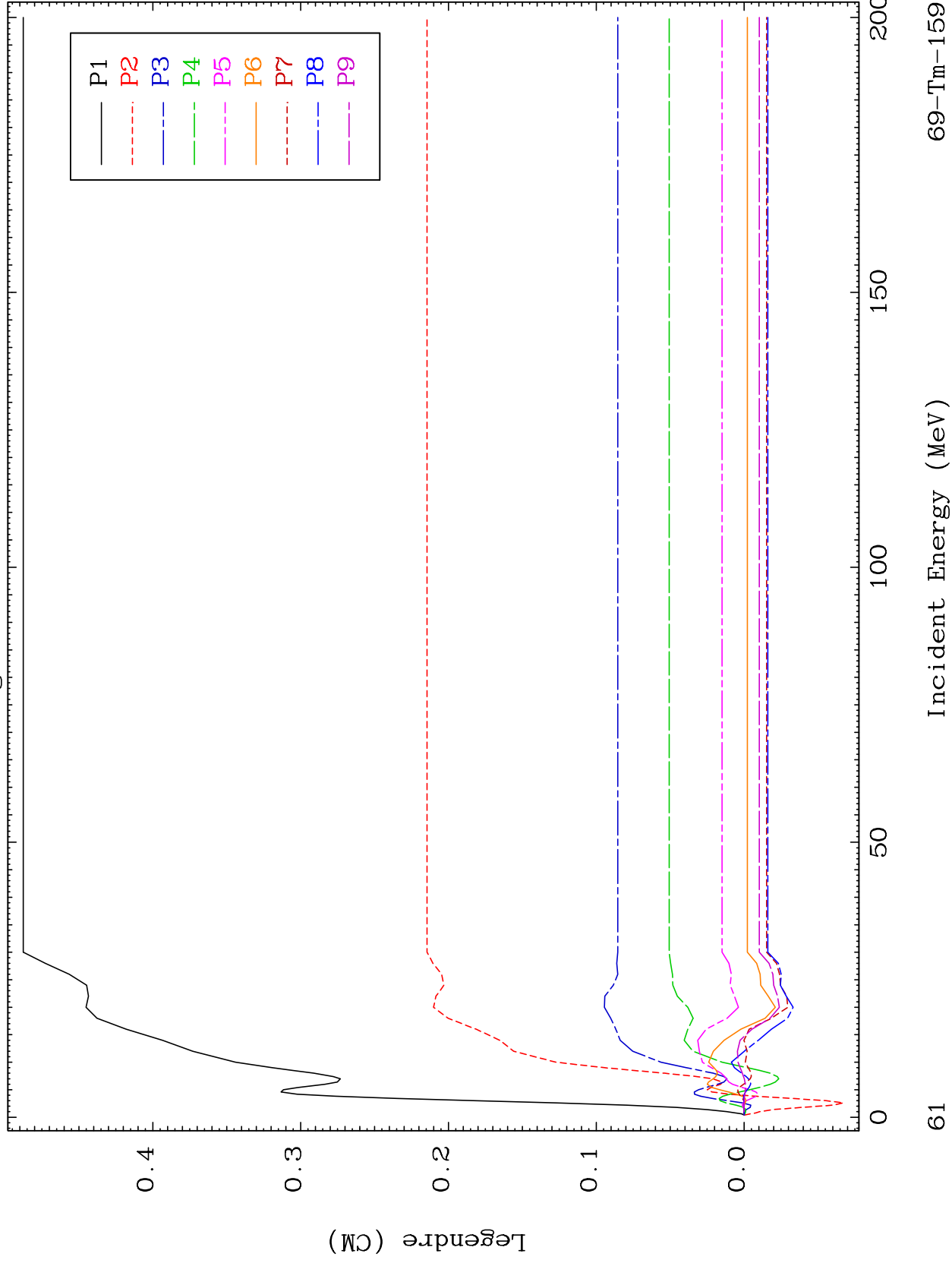




MAT 6895

374.5 keV (n,n') Level
Legendre Coefficients

69-Tm-159



61

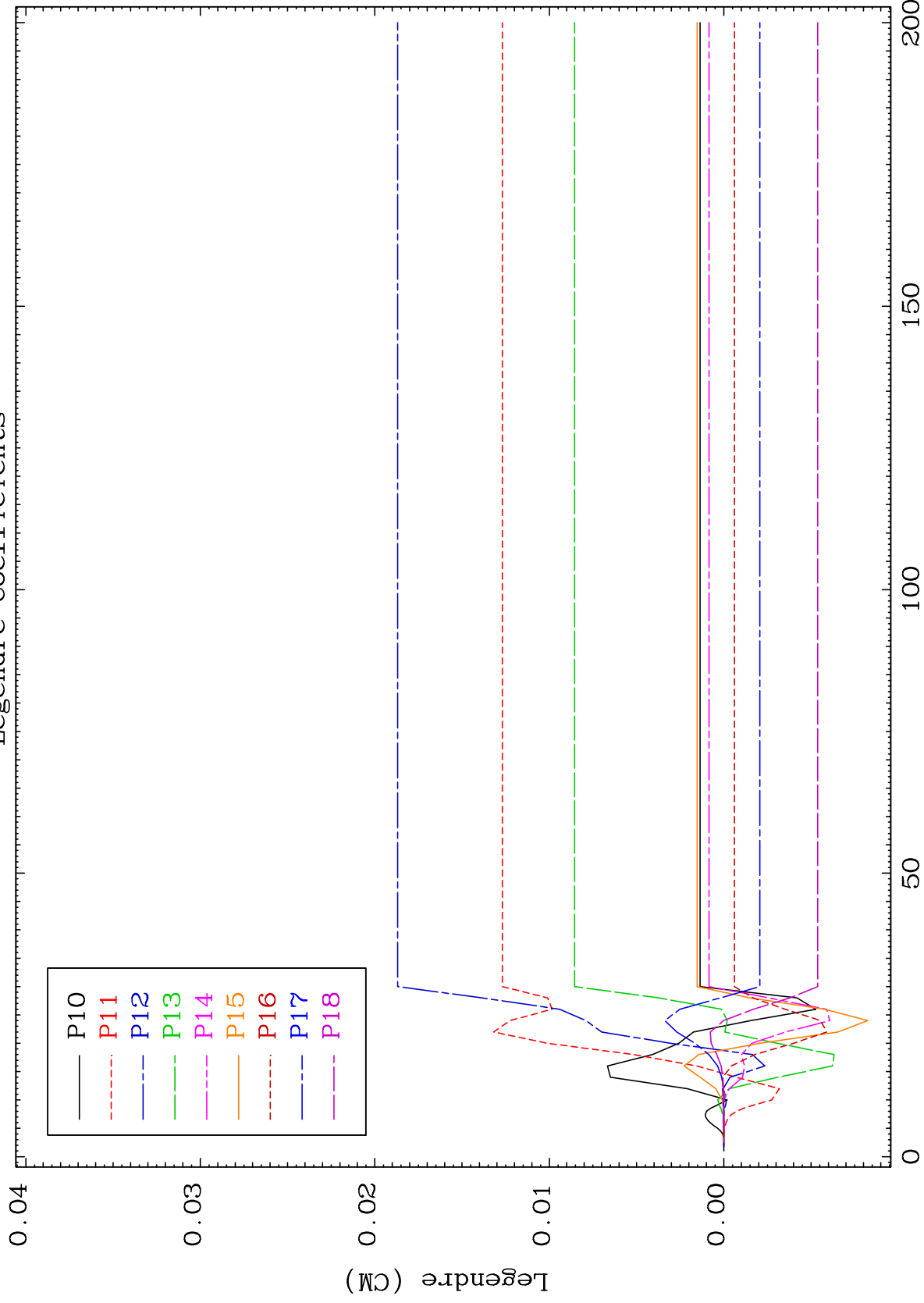
Incident Energy (MeV)

69-Tm-159

MAT 6895

374.5 keV (n, n') Level
Legendre Coefficients

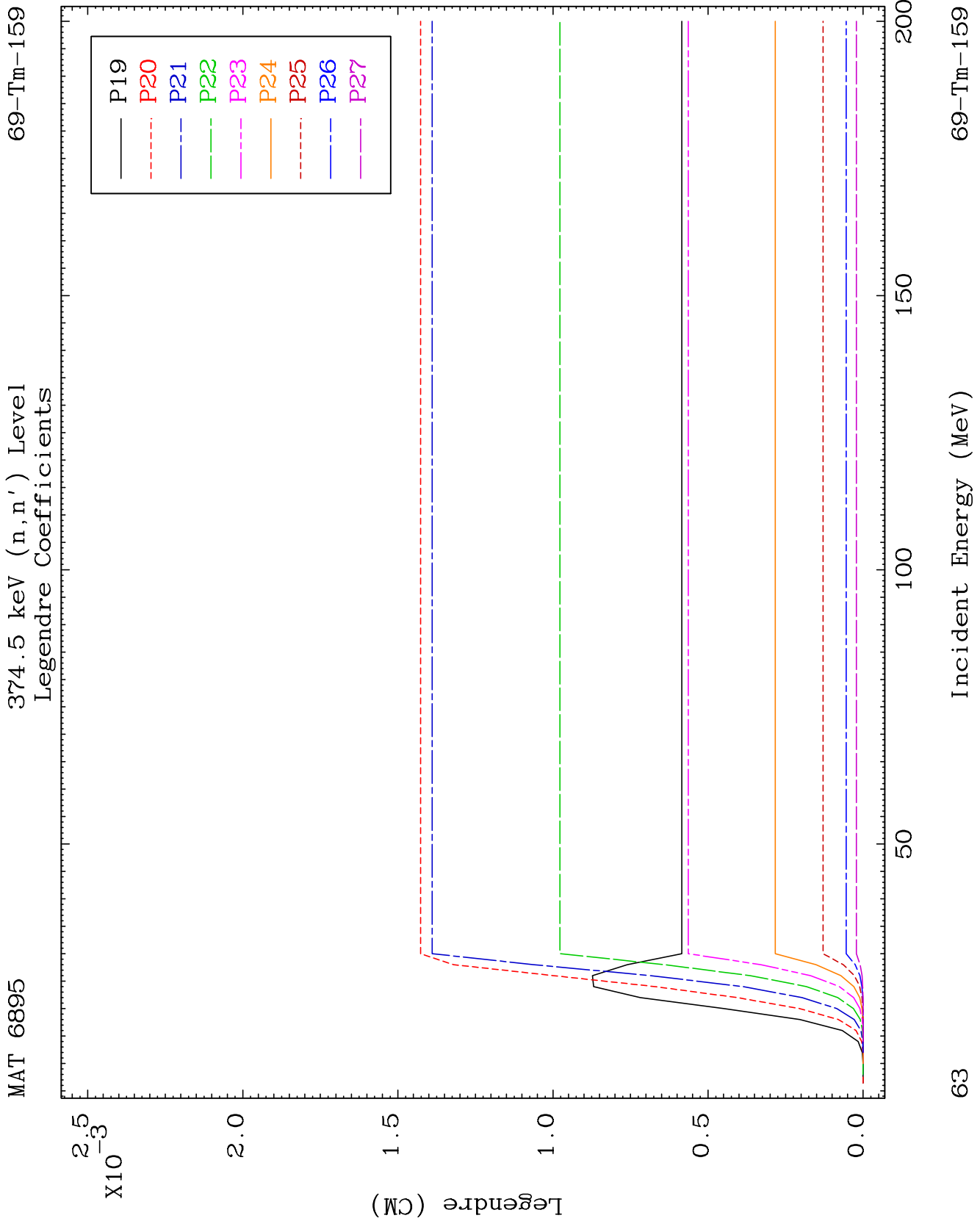
69-Tm-159

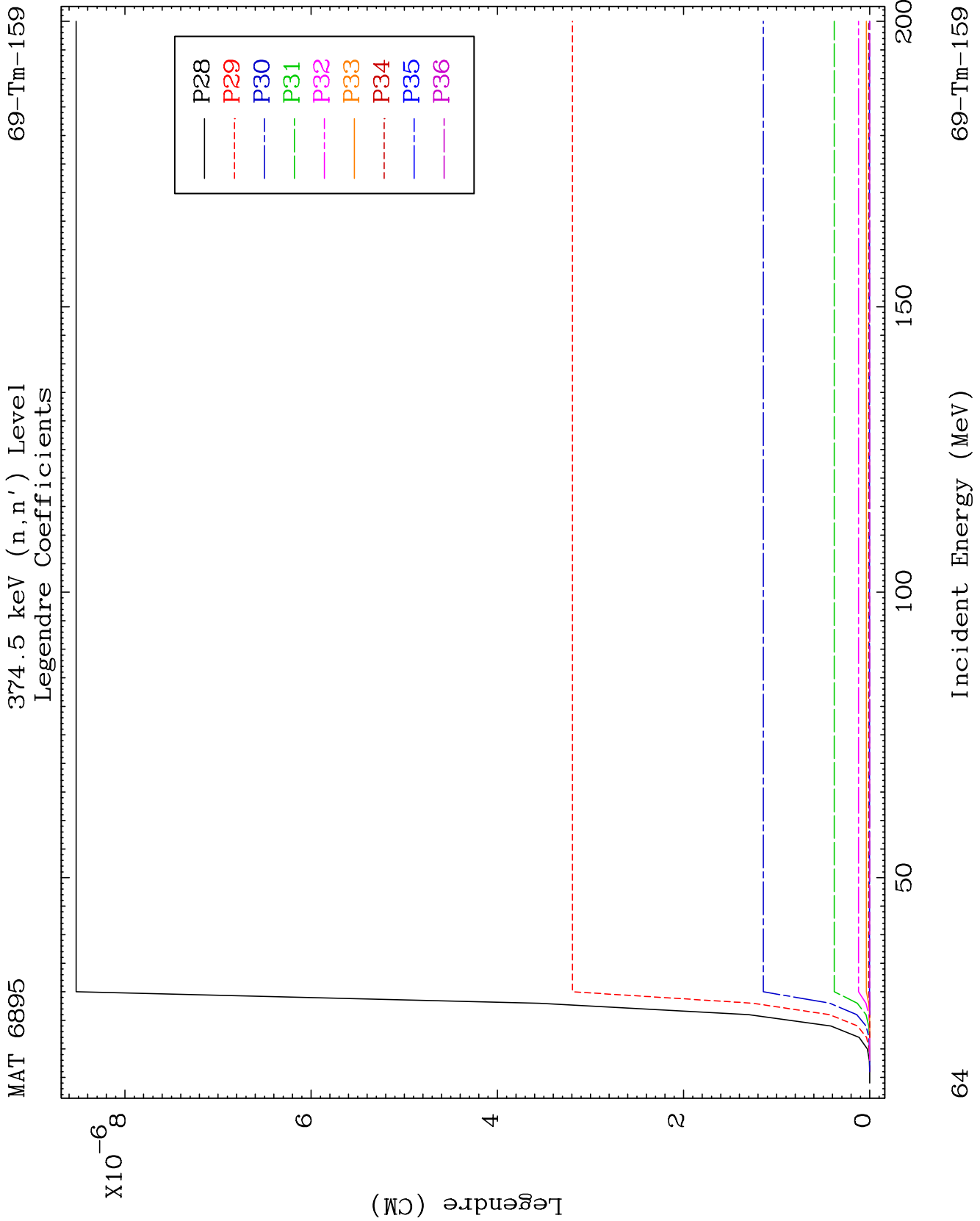


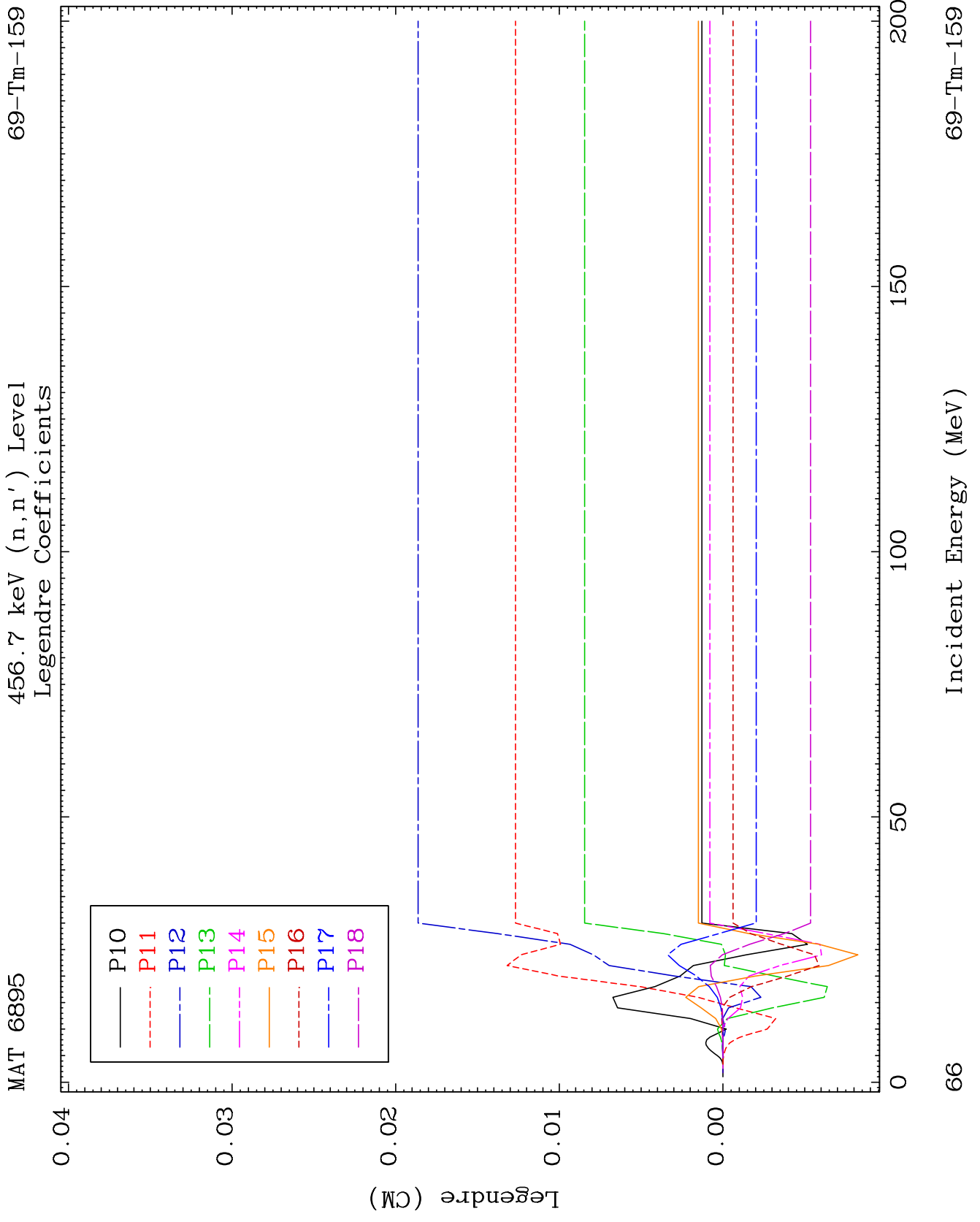
62

Incident Energy (MeV)

69-Tm-159



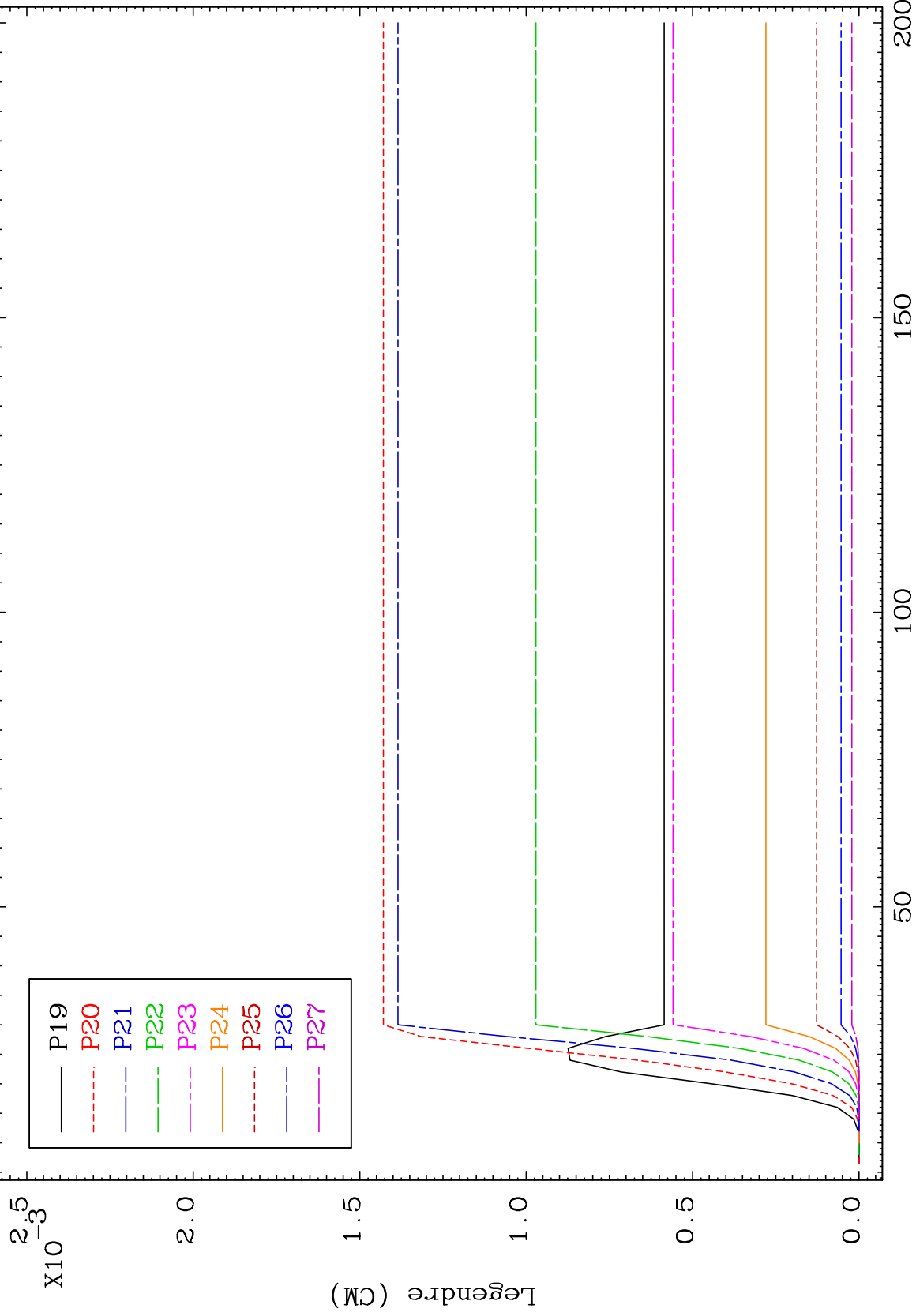




MAT 6895

456.7 keV (n,n') Level
Legendre Coefficients

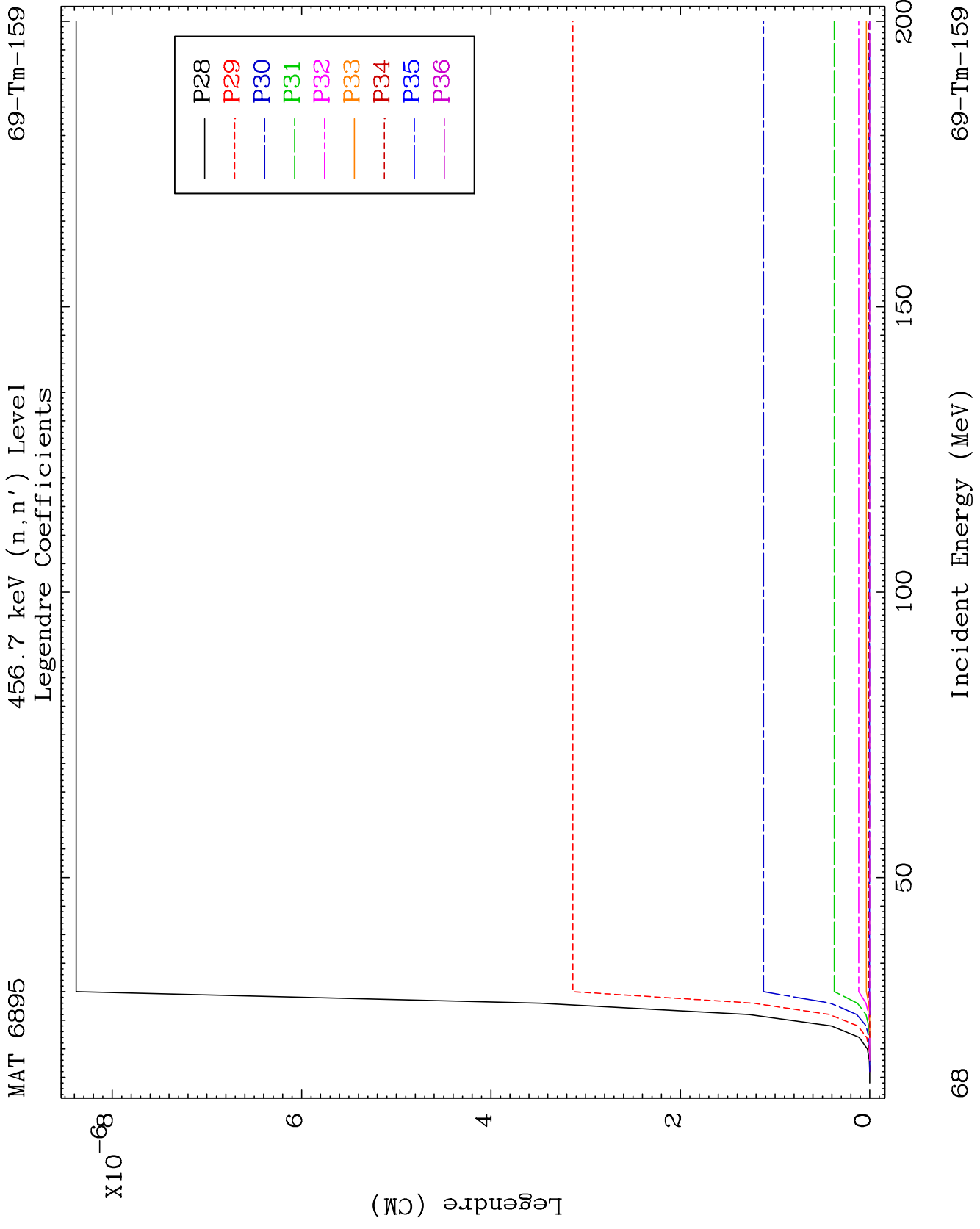
69-Tm-159



67

Incident Energy (MeV)

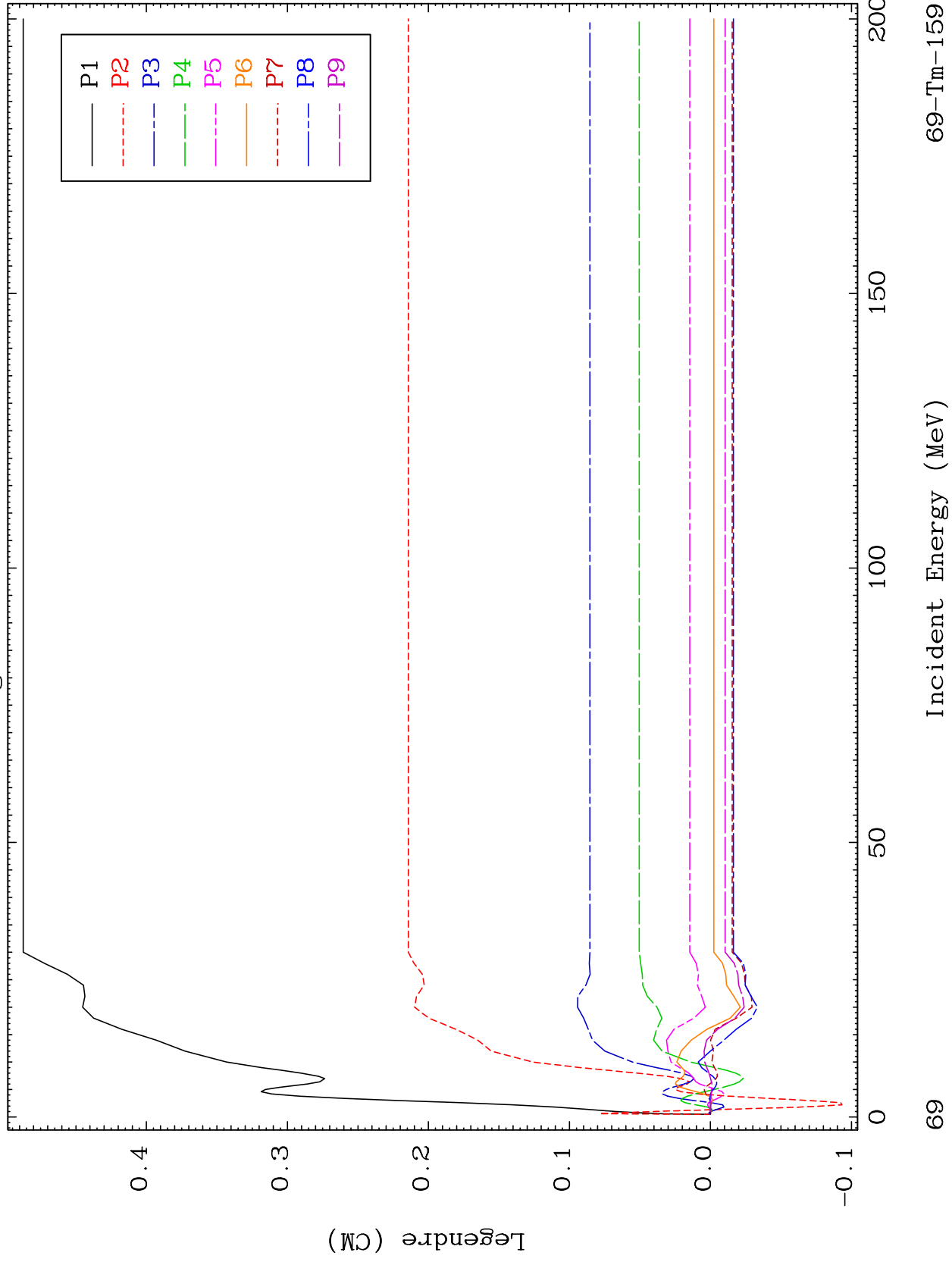
69-Tm-159



MAT 6895

463.6 keV (n,n') Level
Legendre Coefficients

69-Tm-159



69-Tm-159

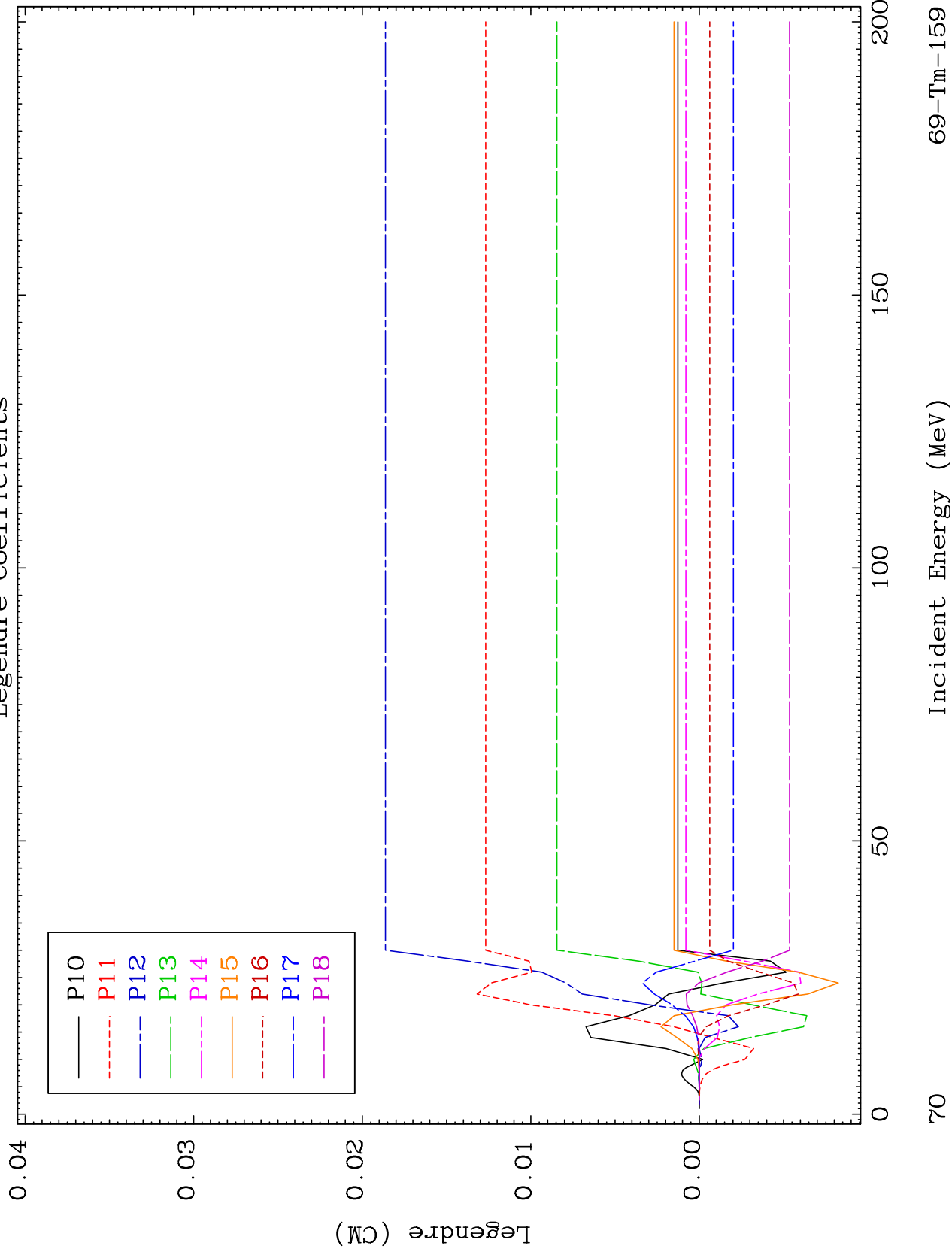
Incident Energy (MeV)

69

MAT 6895

463.6 keV (n,n') Level
Legendre Coefficients

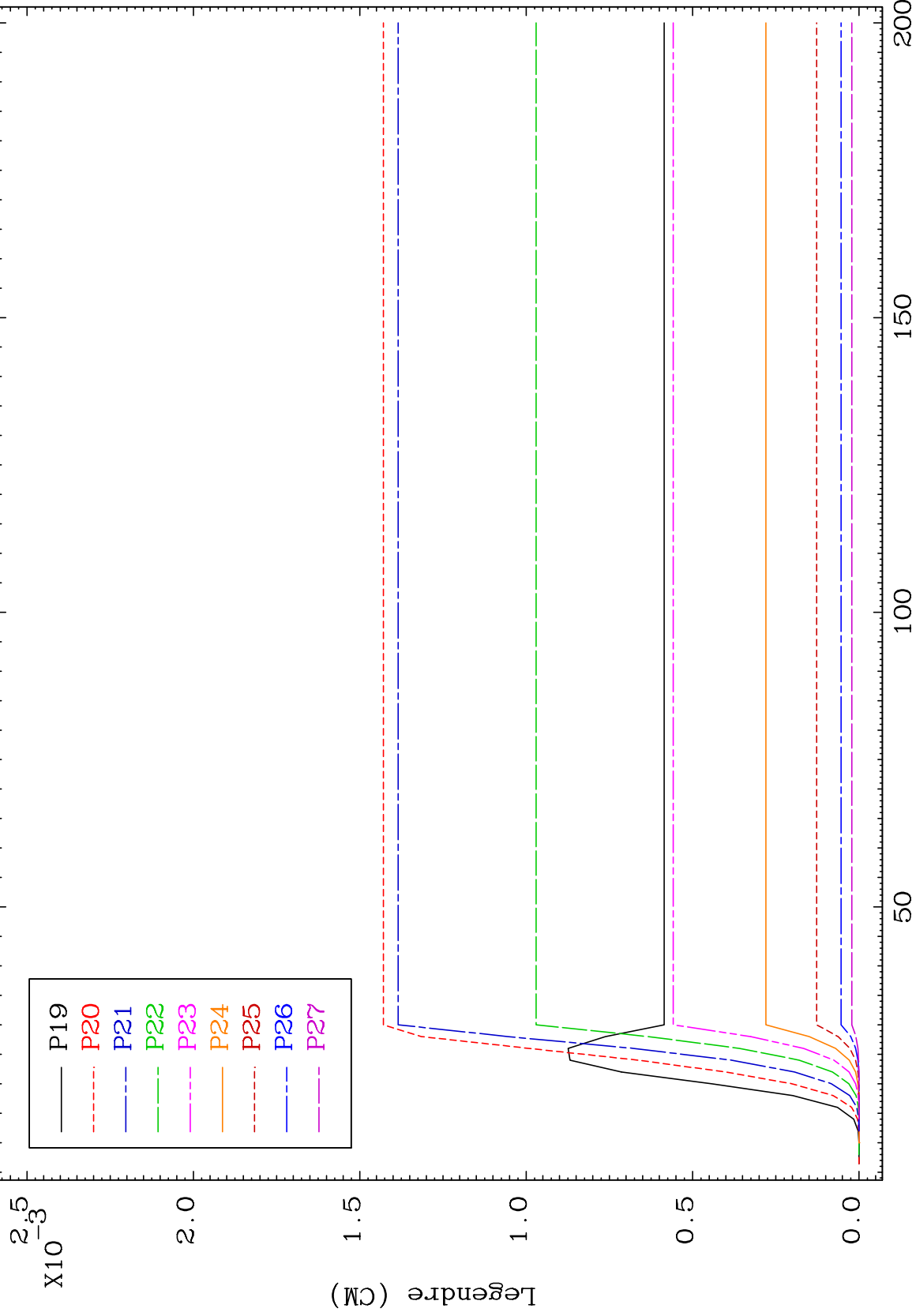
69-Tm-159

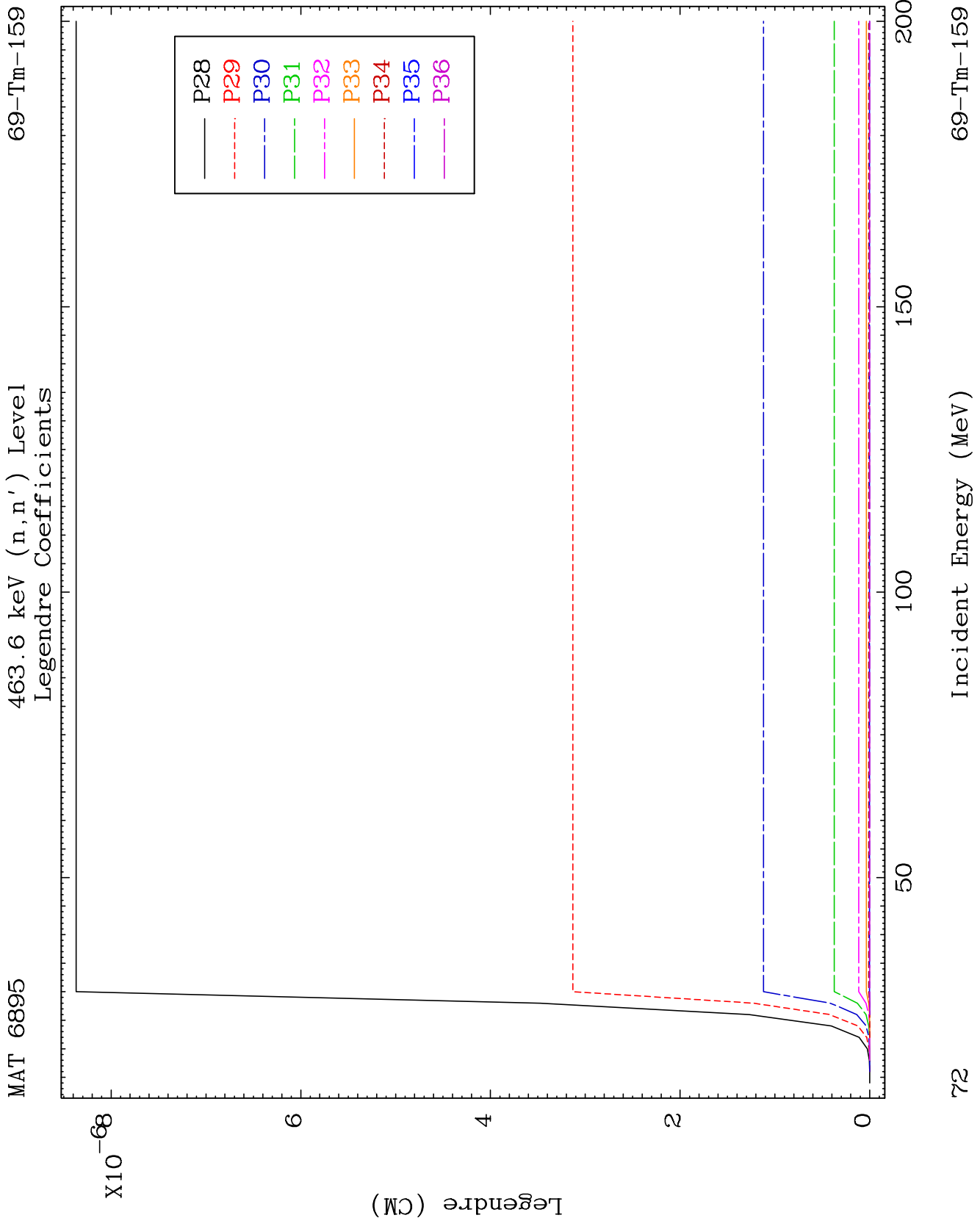


69-Tm-159

Incident Energy (MeV)

70

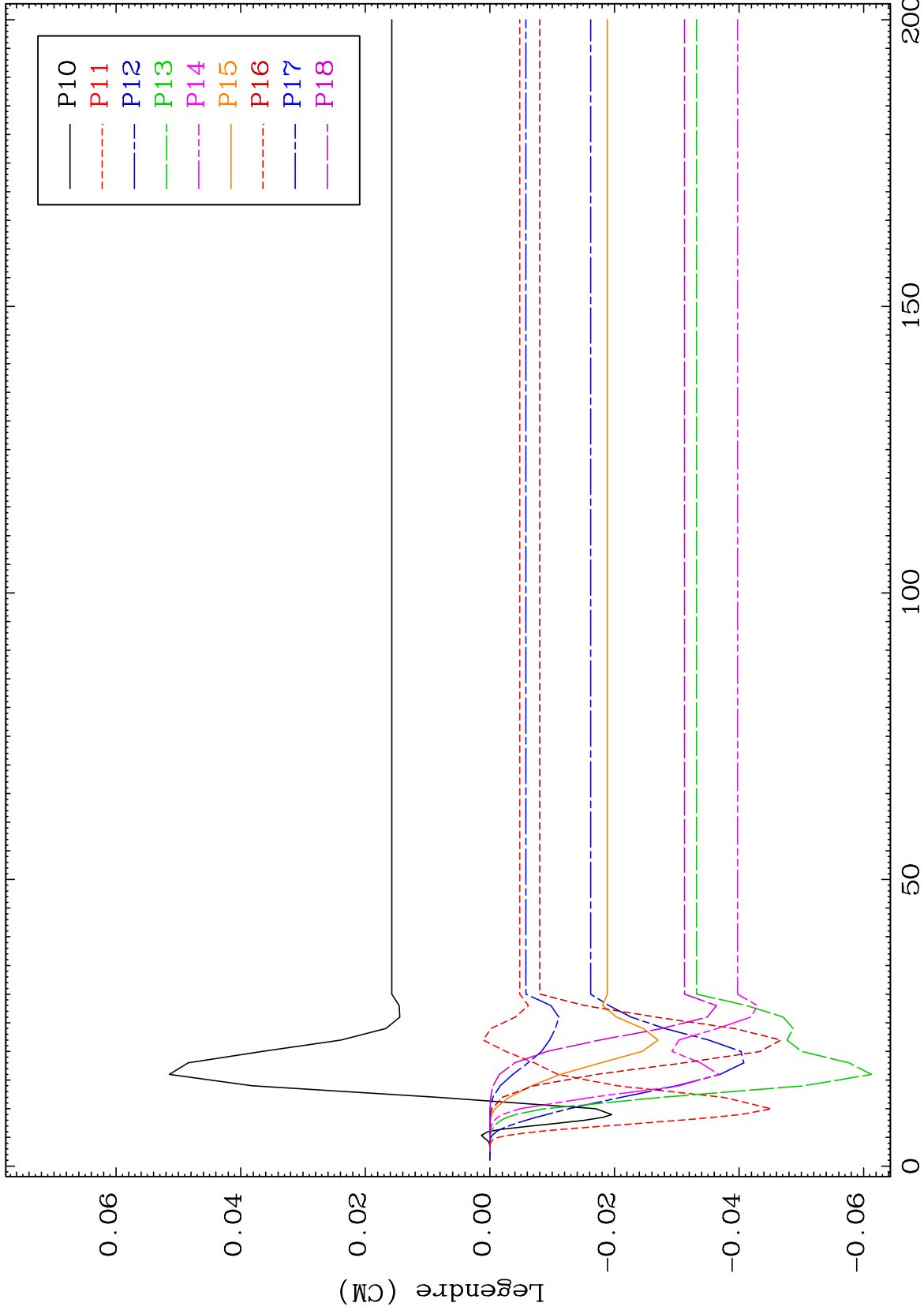




MAT 6895

479.9 keV (n,n') Level
Legendre Coefficients

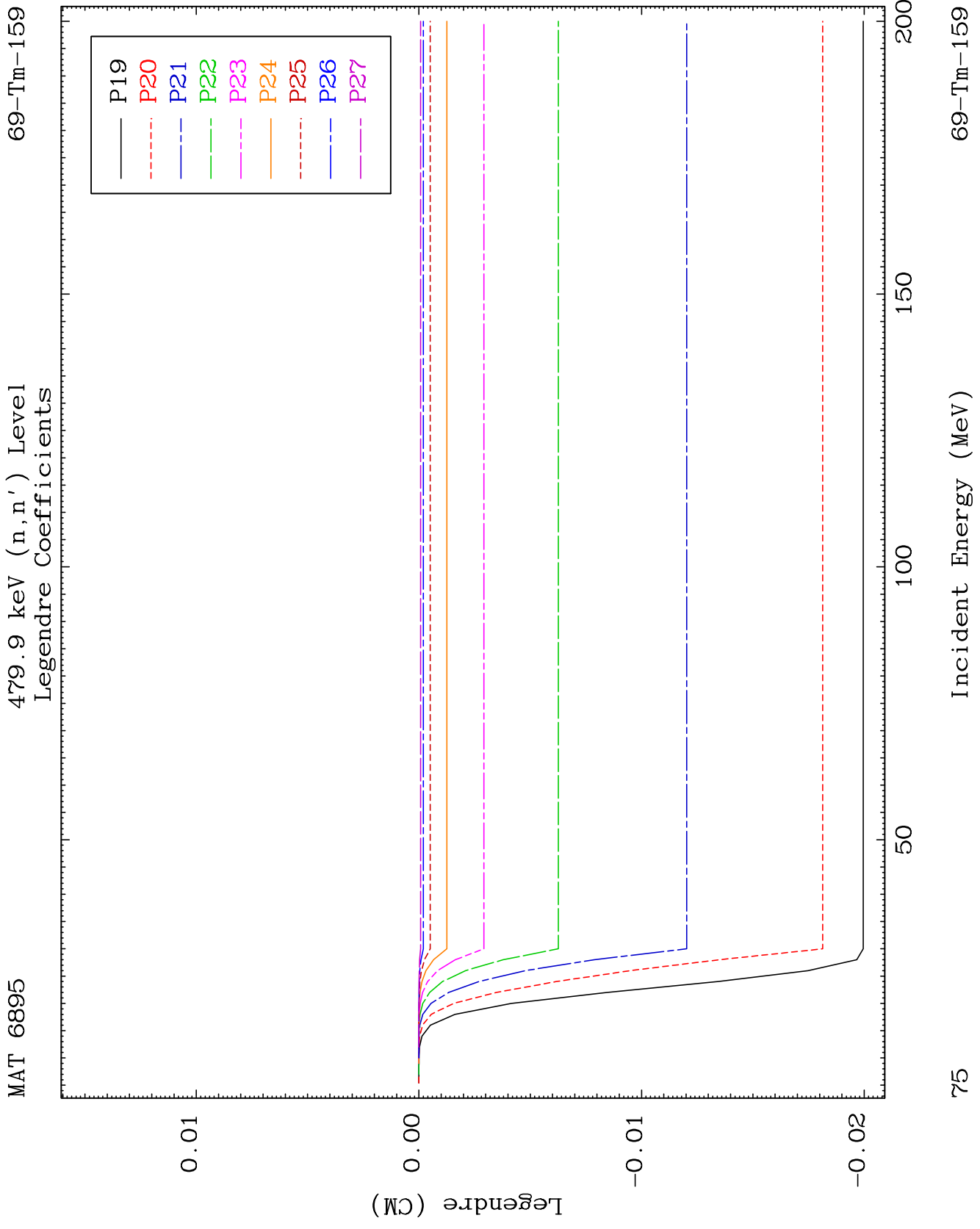
69-Tm-159

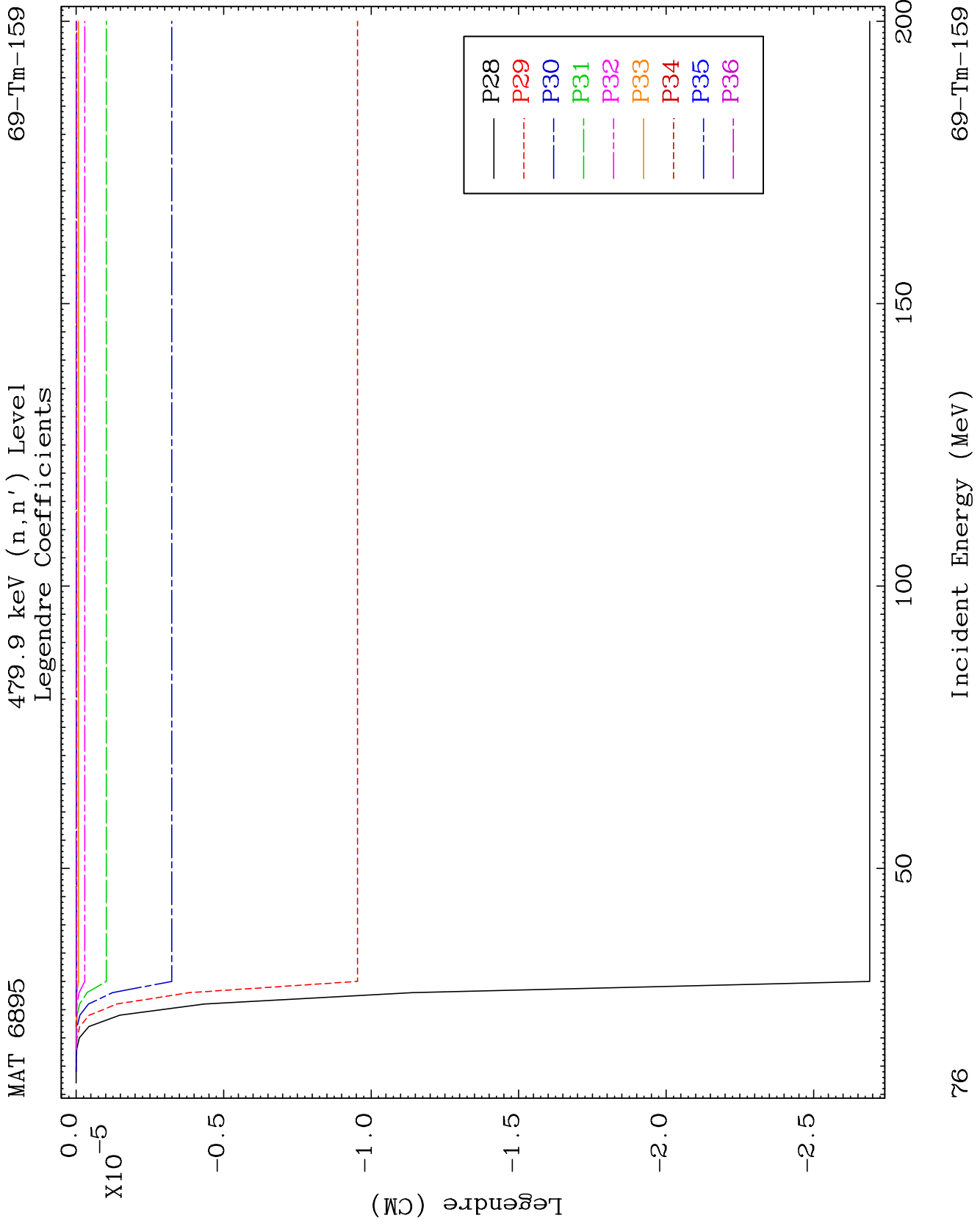


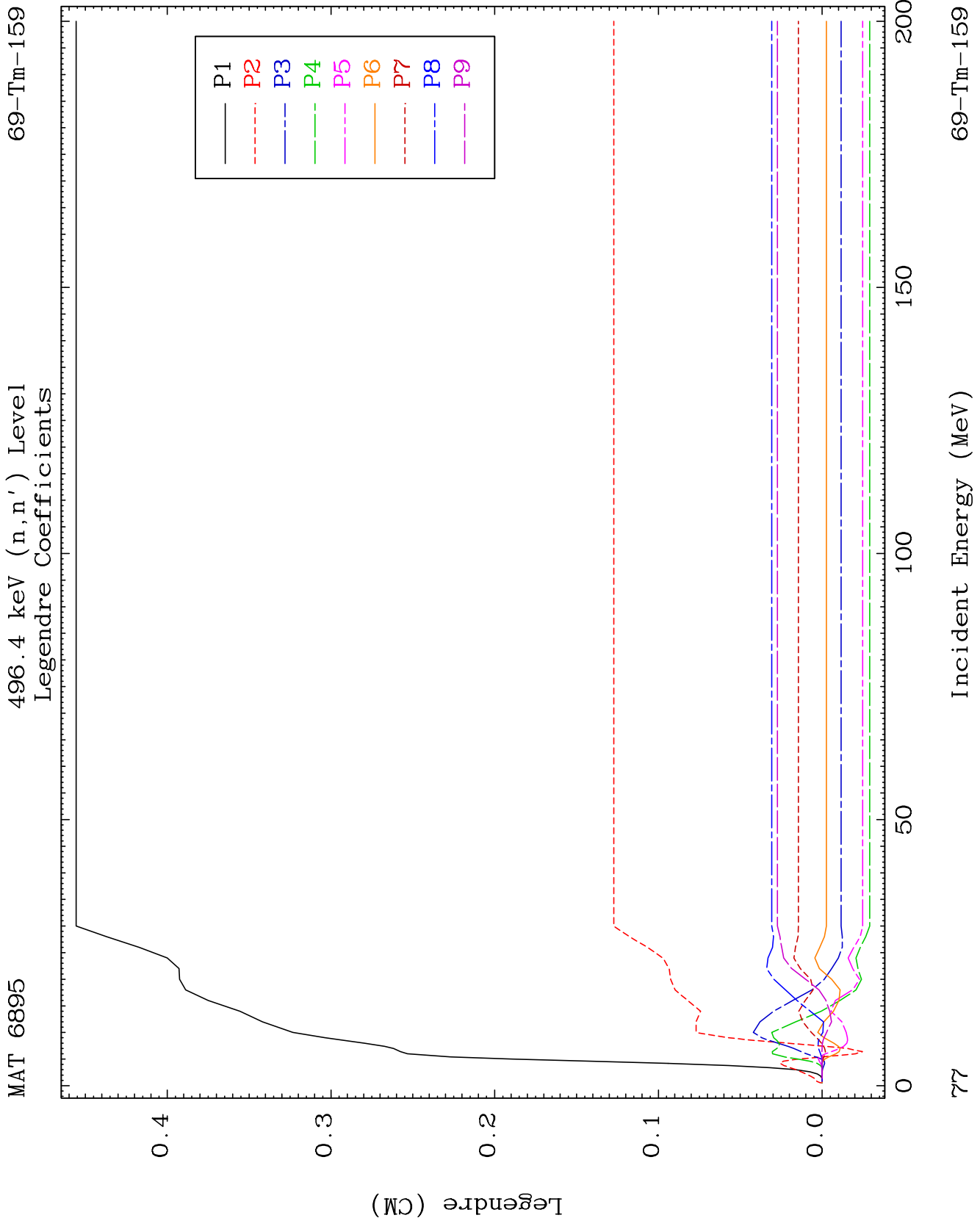
74

Incident Energy (MeV)

69-Tm-159



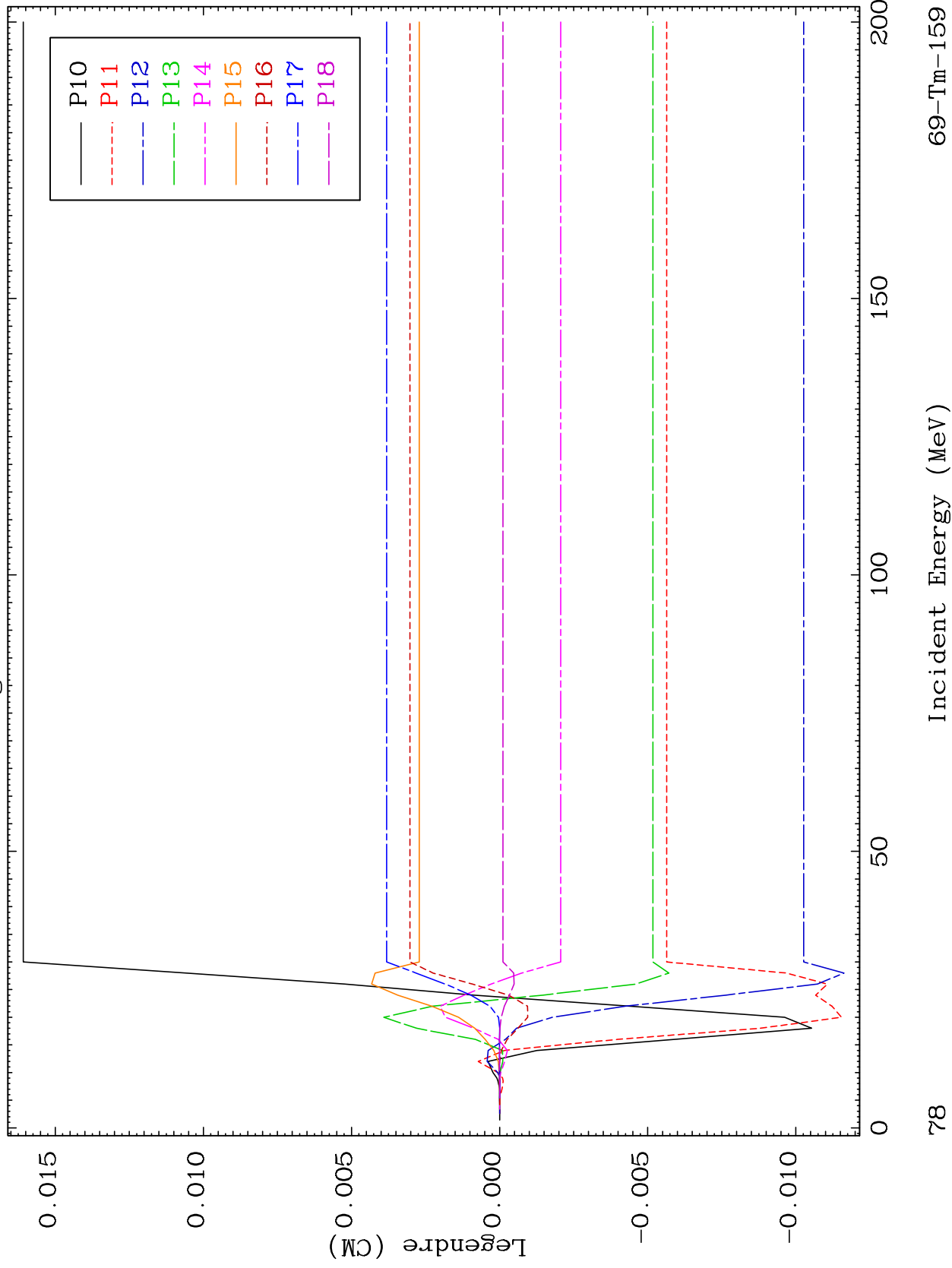




MAT 6895

496.4 keV (n,n') Level
Legendre Coefficients

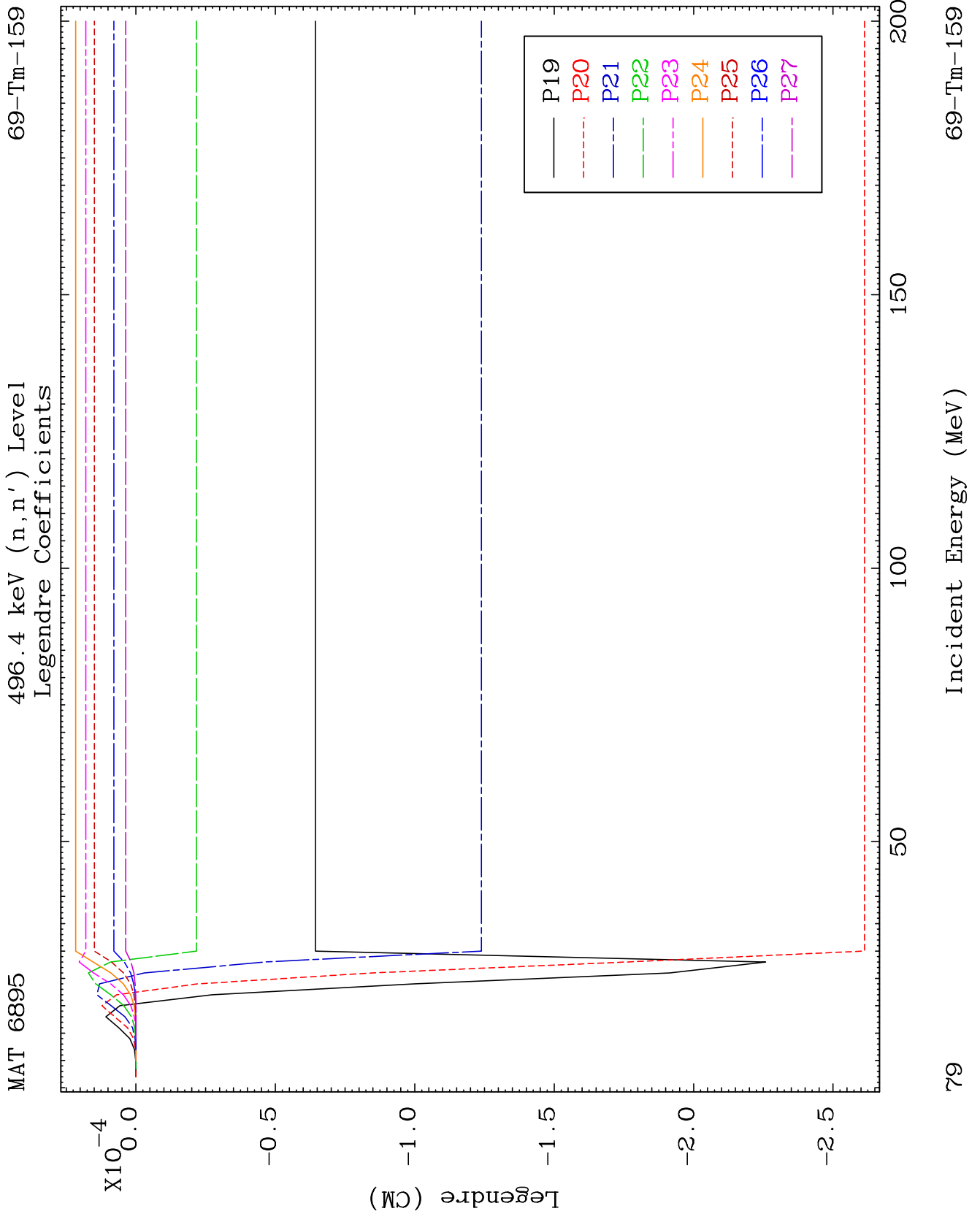
69-Tm-159

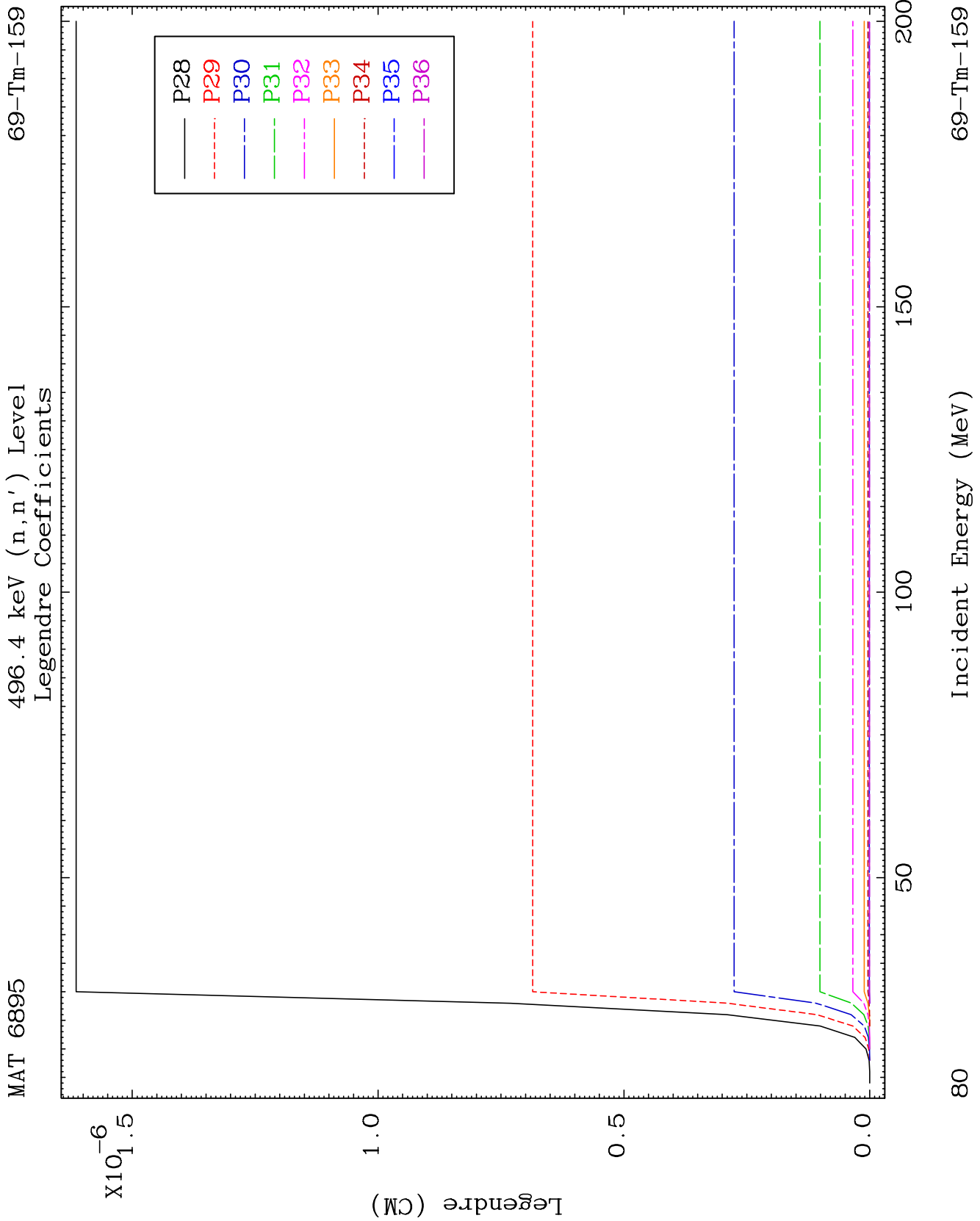


78

Incident Energy (MeV)

69-Tm-159

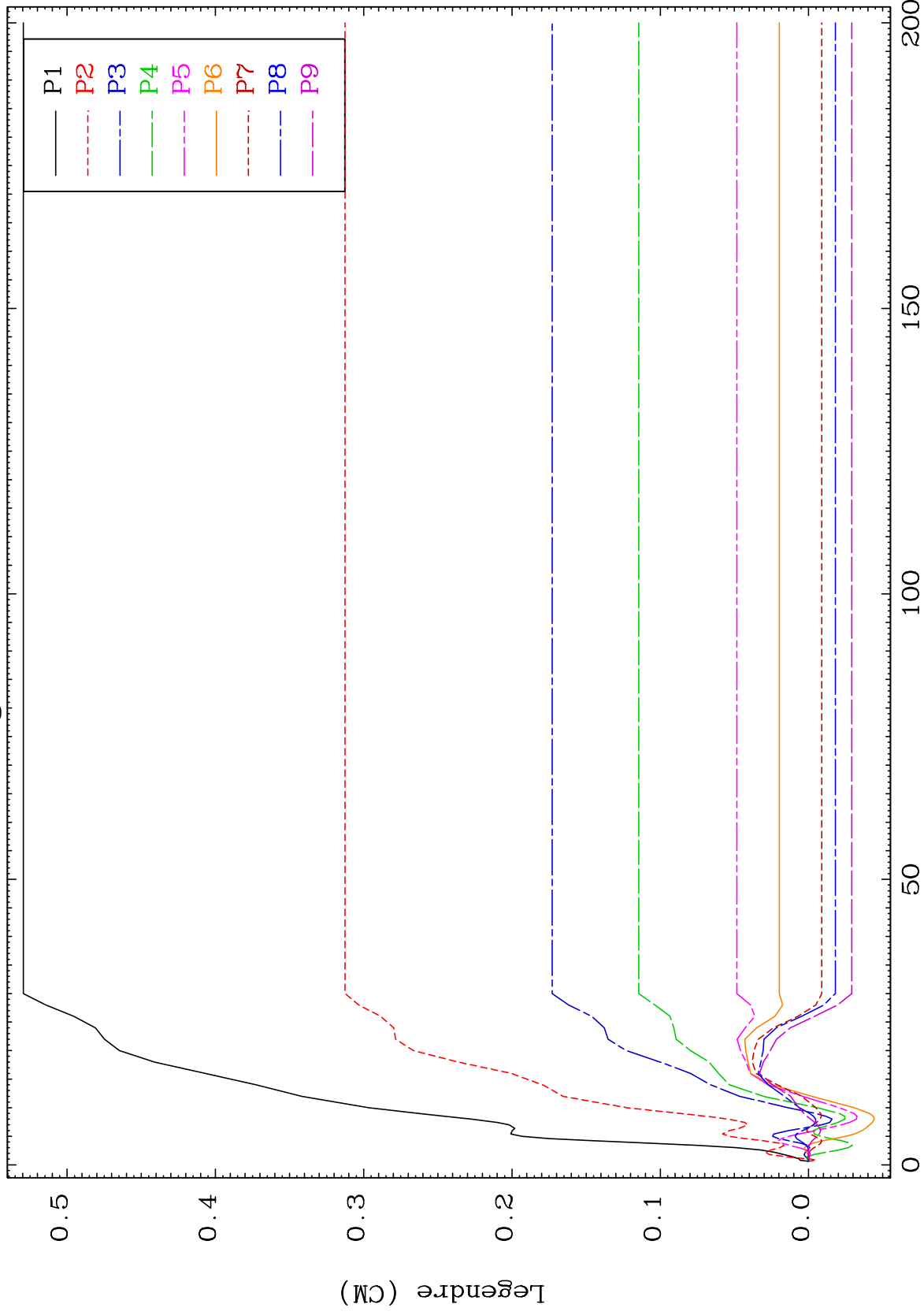




MAT 6895

556.3 keV (n,n') Level
Legendre Coefficients

69-Tm-159



81

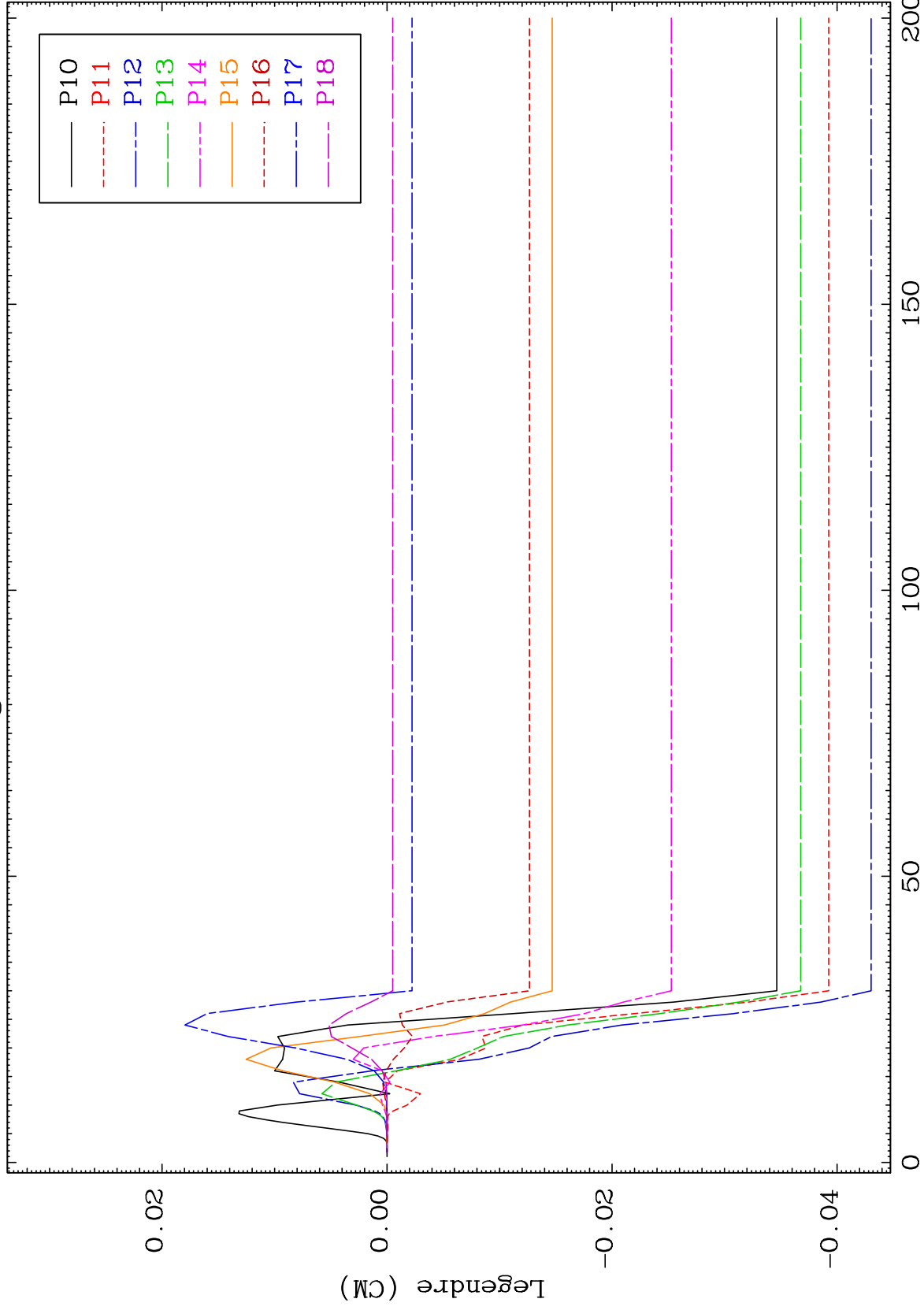
Incident Energy (MeV)

69-Tm-159

MAT 6895

556.3 keV (n,n') Level
Legendre Coefficients

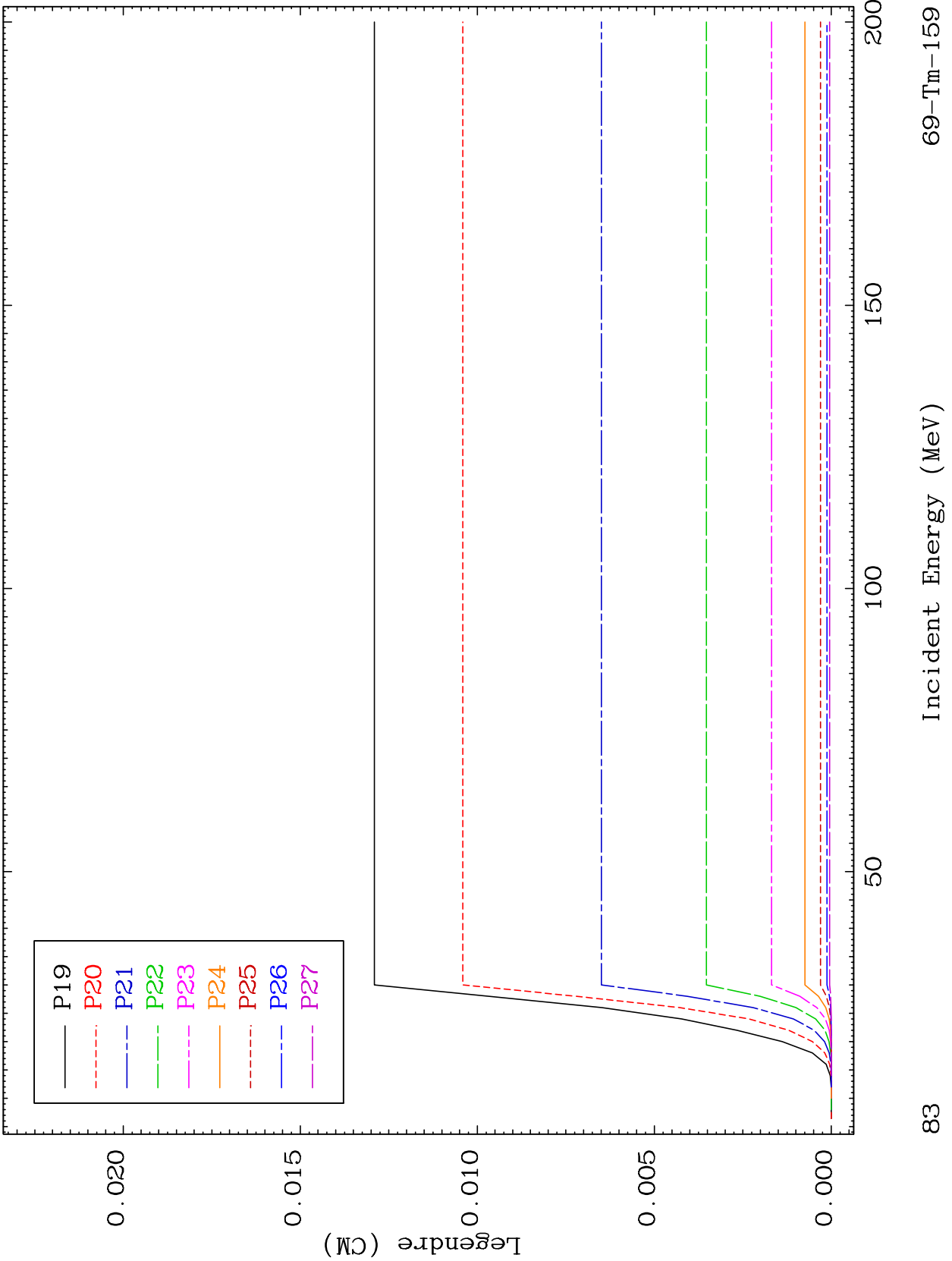
69-Tm-159

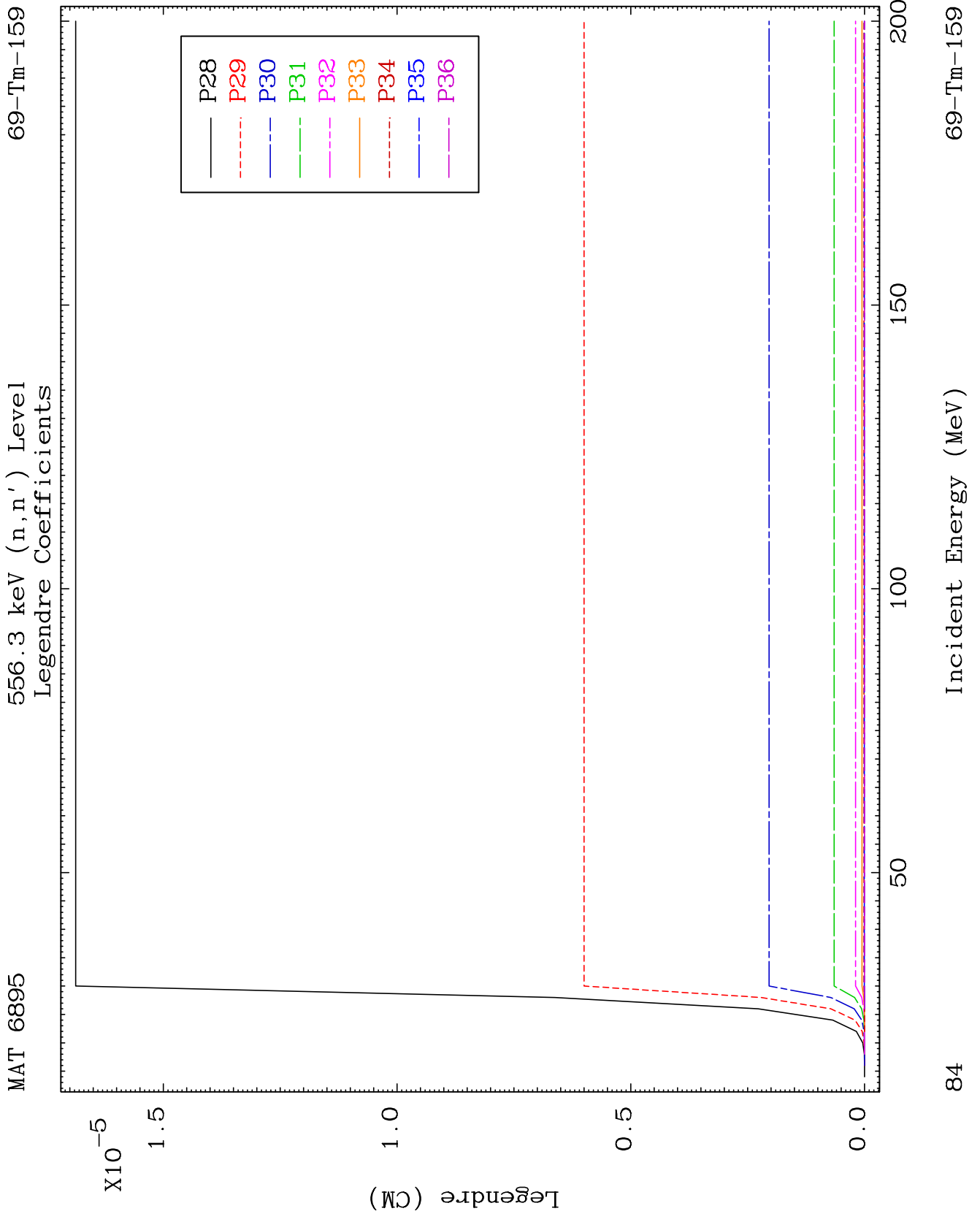


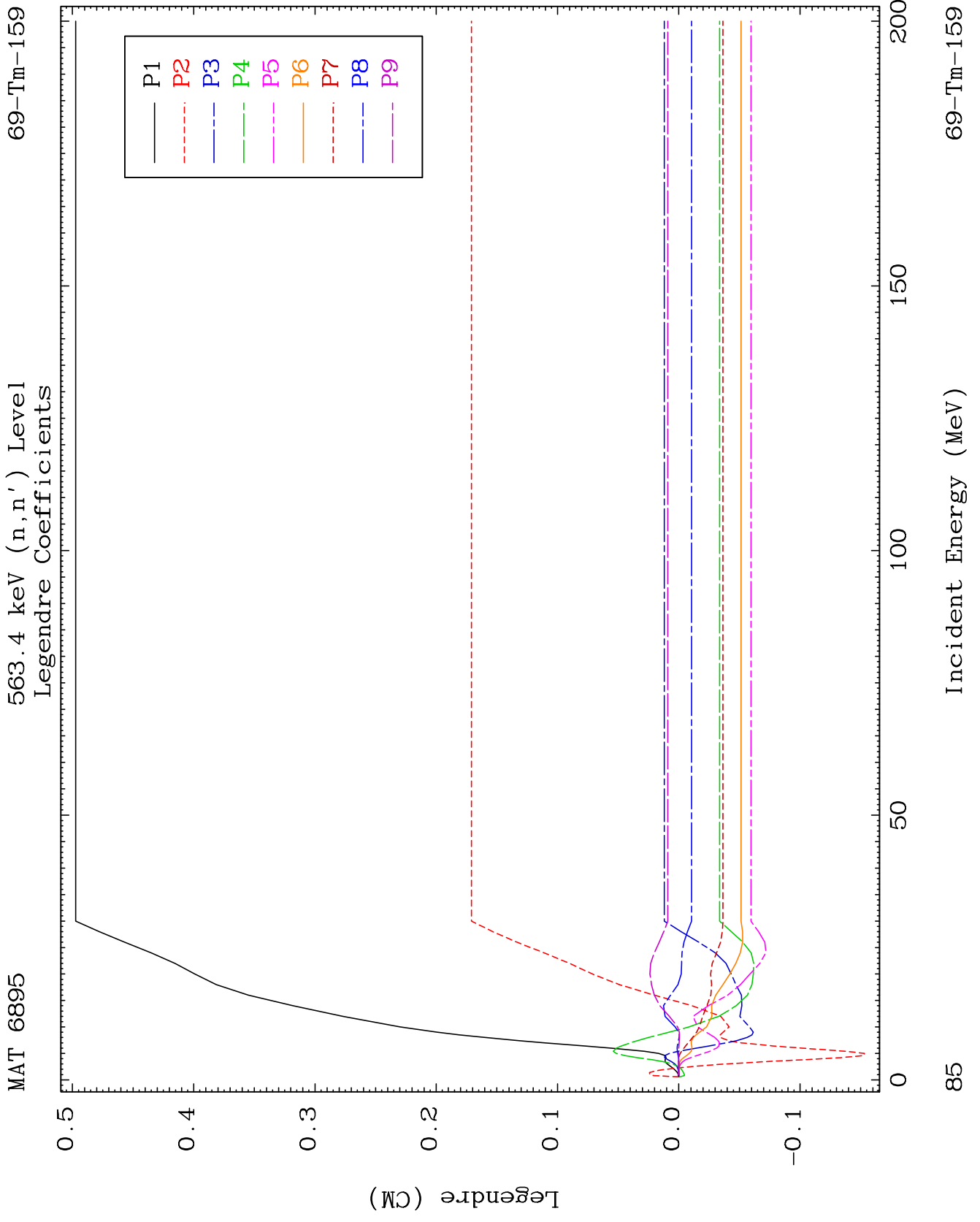
82

Incident Energy (MeV)

69-Tm-159



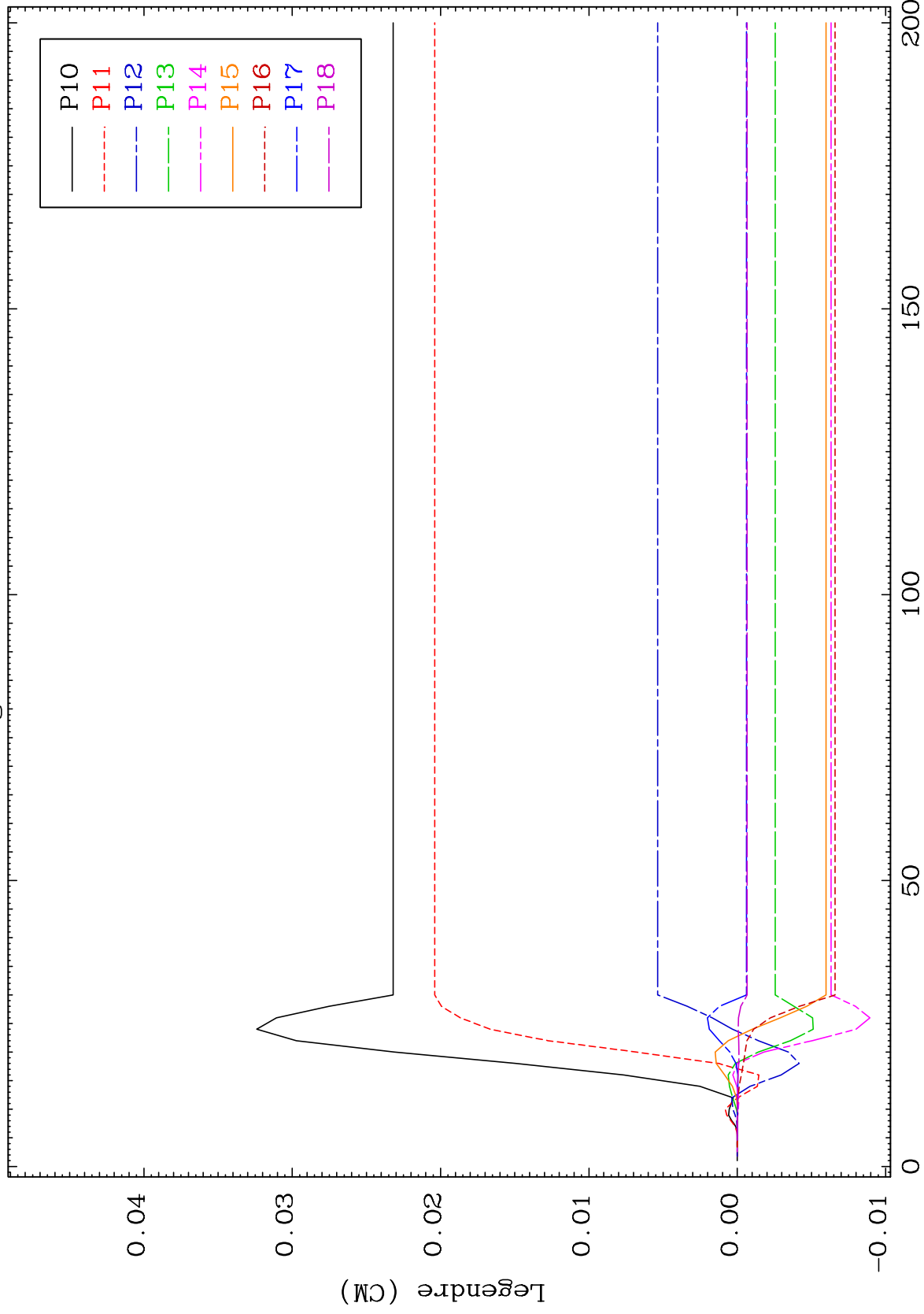




MAT 6895

563.4 keV (n,n') Level
Legendre Coefficients

69-Tm-159



86

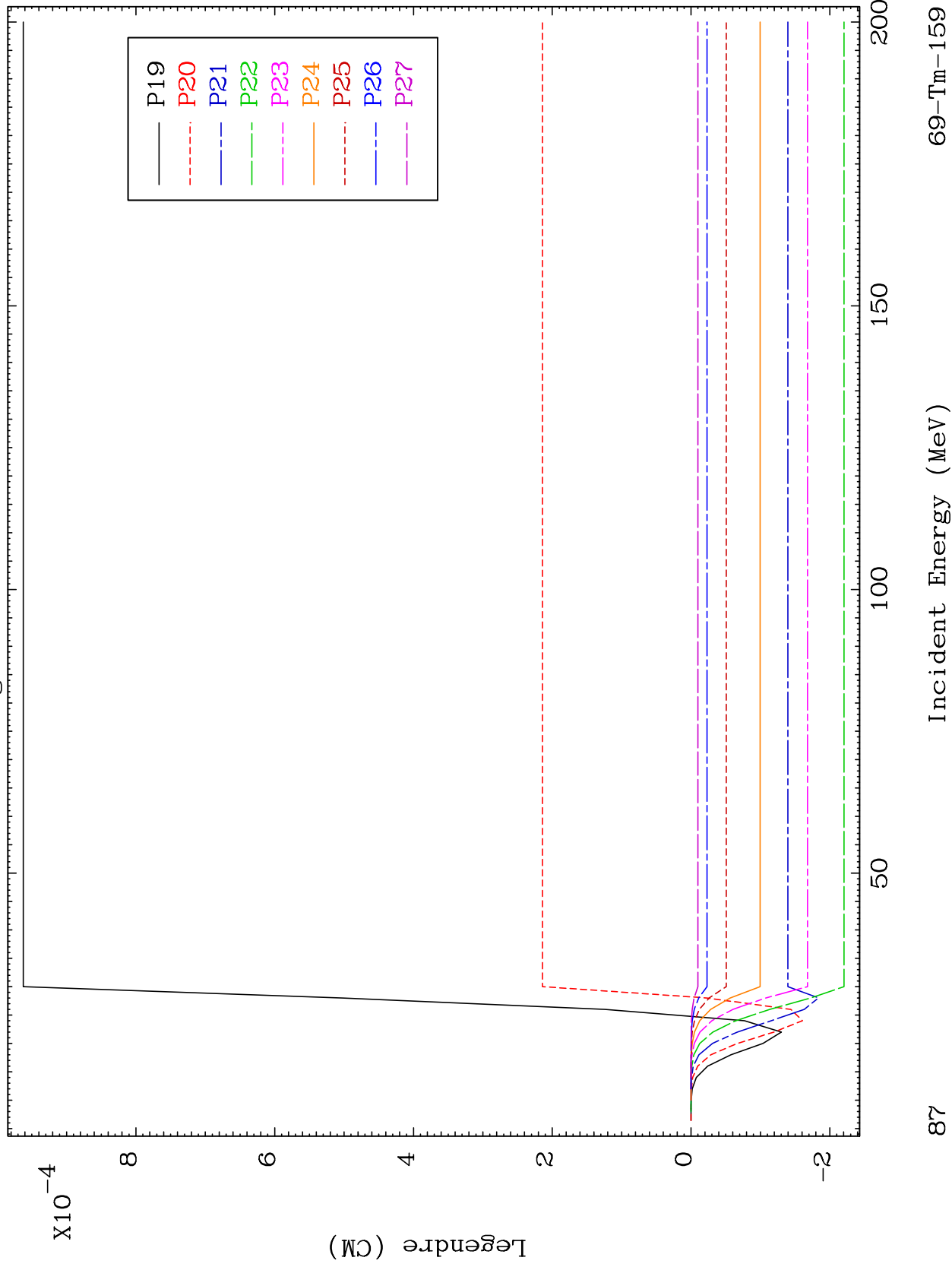
Incident Energy (MeV)

69-Tm-159

MAT 6895

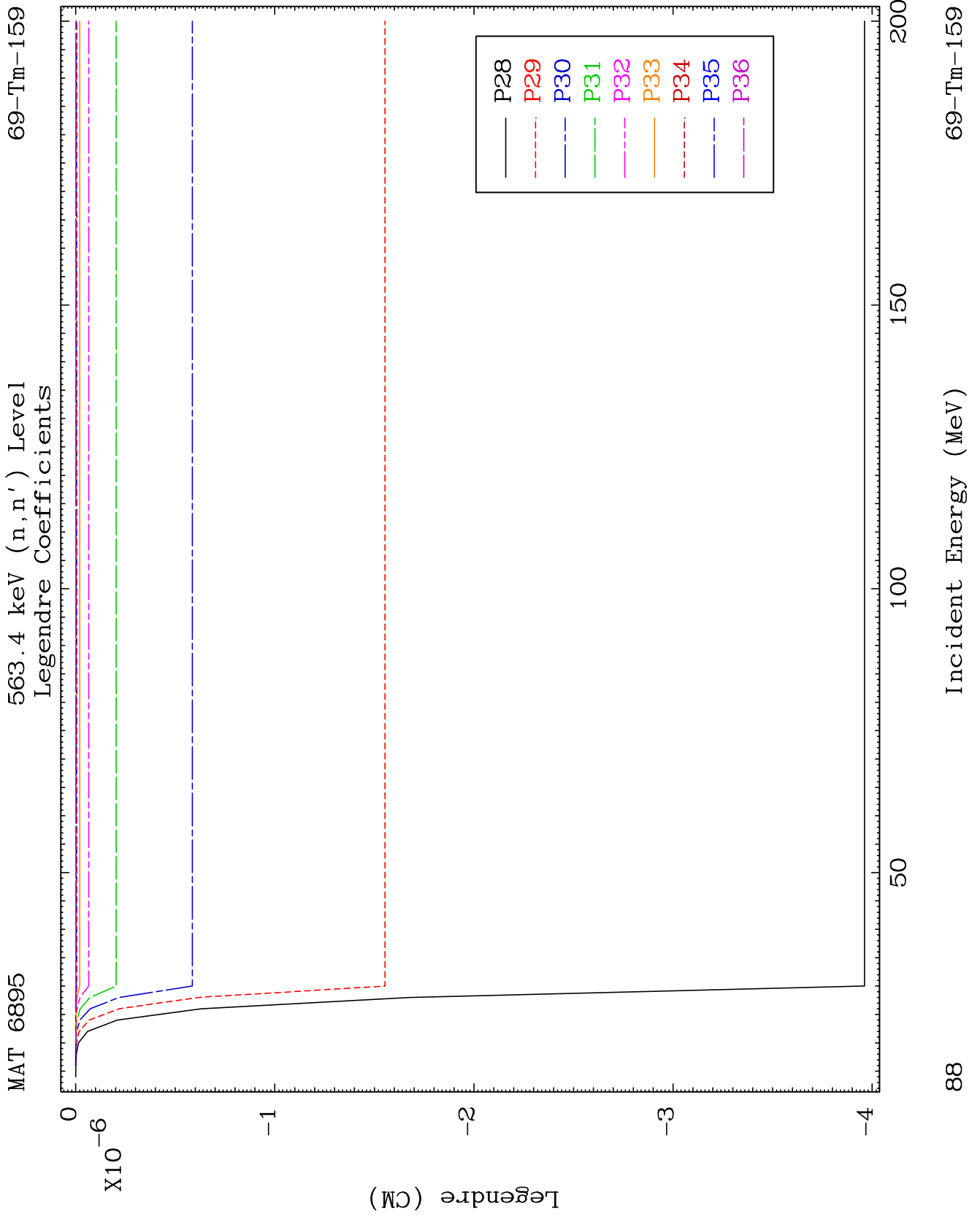
563.4 keV (n,n') Level
Legendre Coefficients

69-Tm-159



87

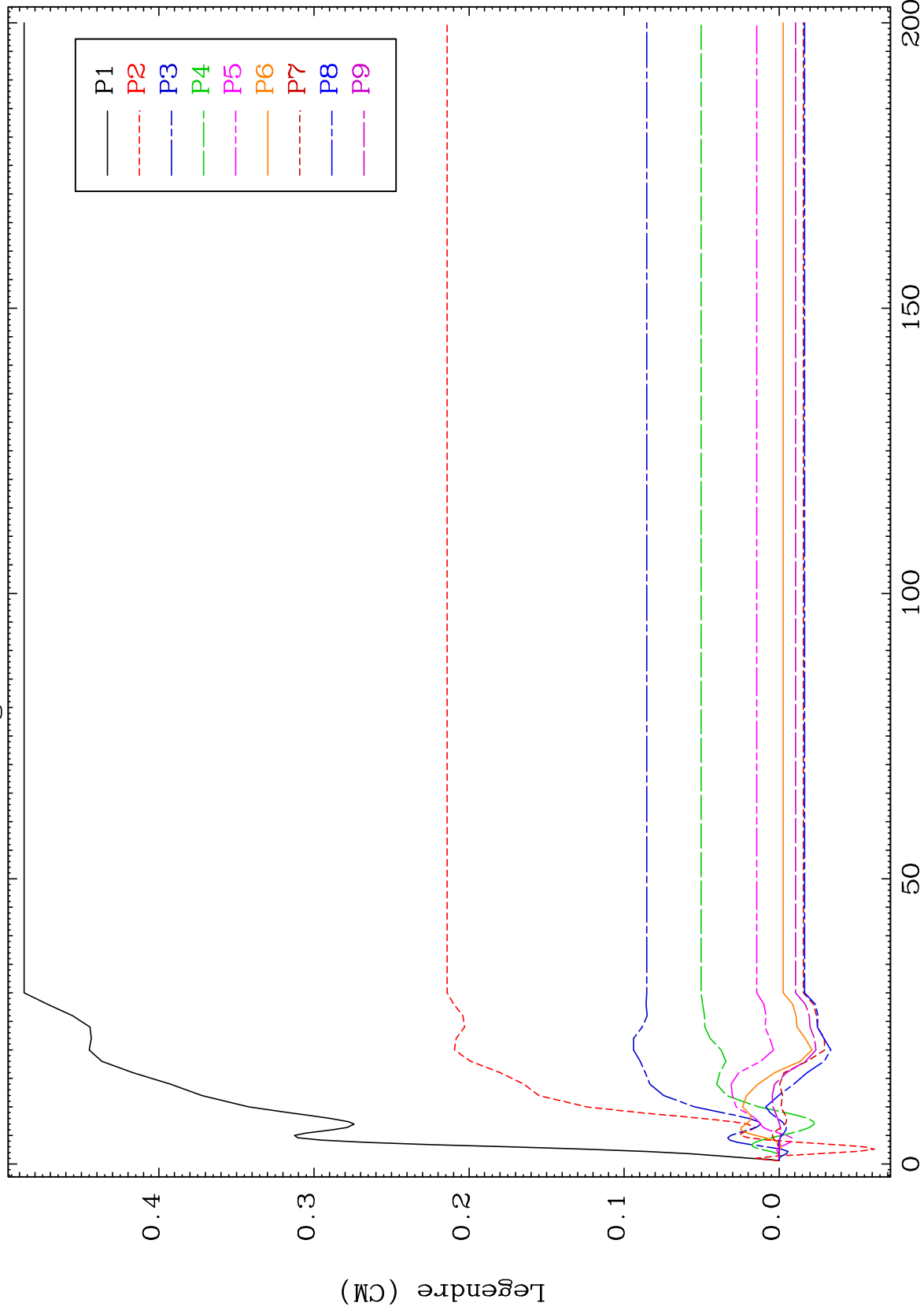
69-Tm-159



MAT 6895

572.7 keV (n,n') Level
Legendre Coefficients

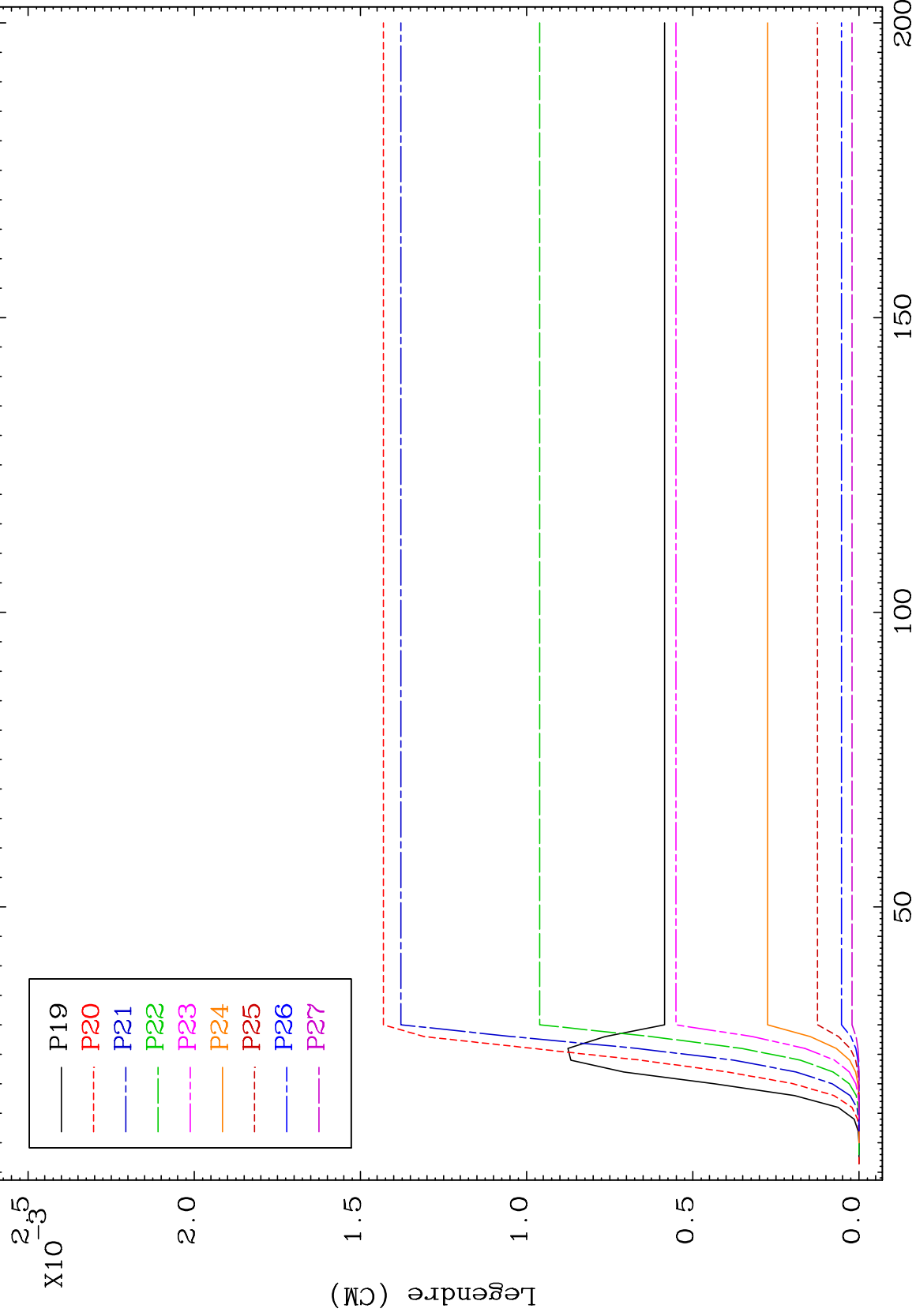
69-Tm-159

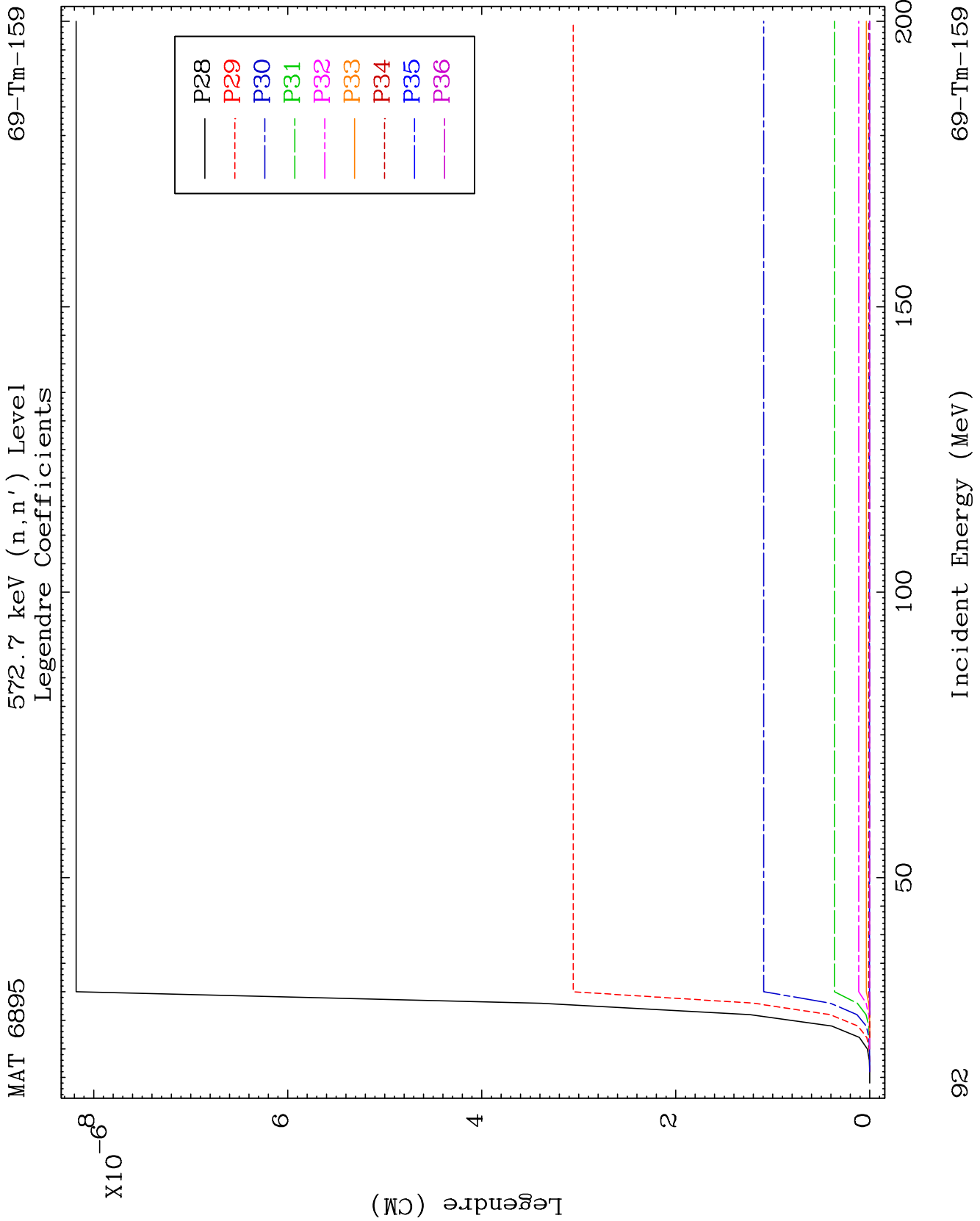


89

Incident Energy (MeV)

69-Tm-159

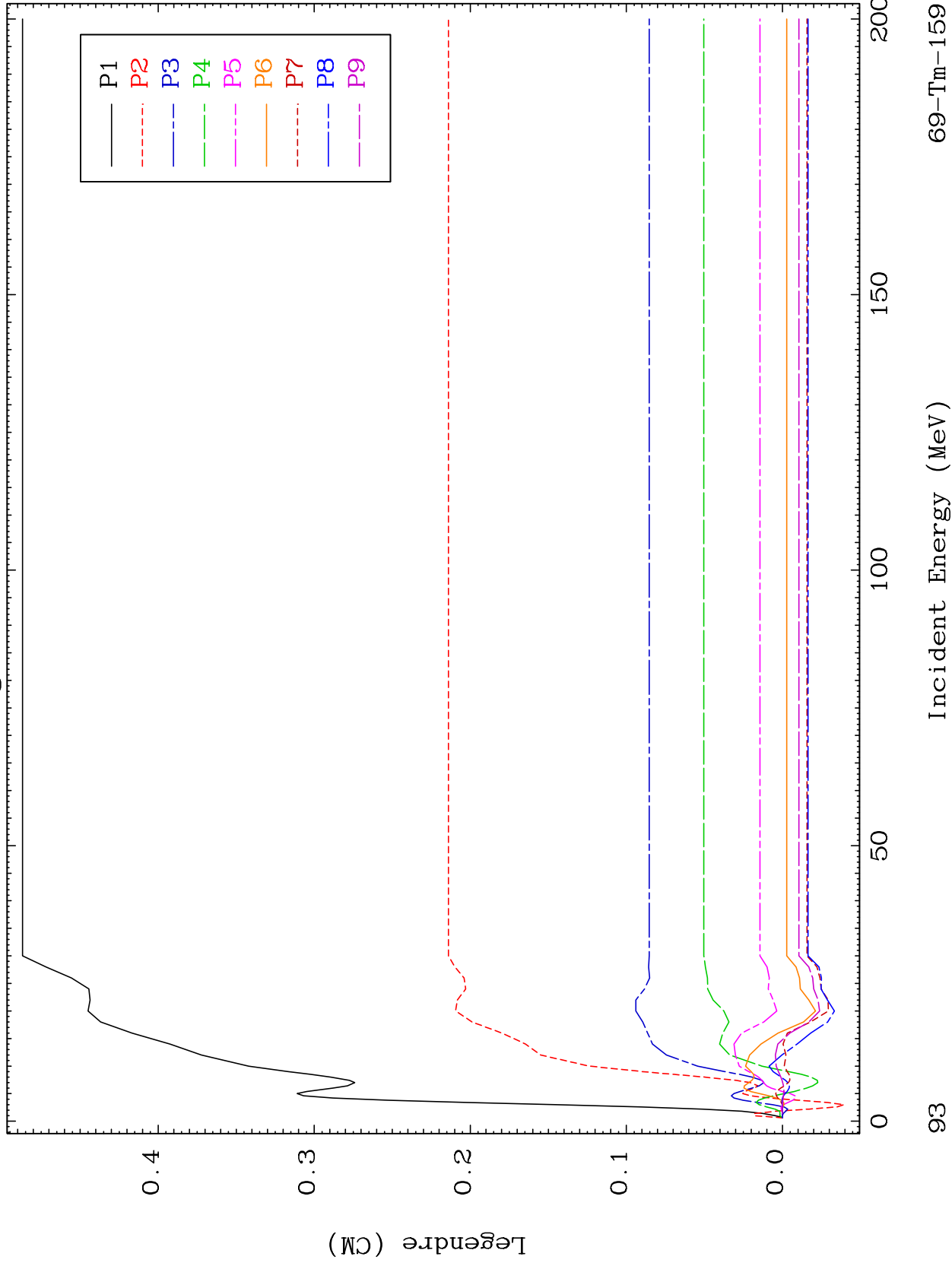




MAT 6895

584.3 keV (n,n') Level
Legendre Coefficients

69-Tm-159



93

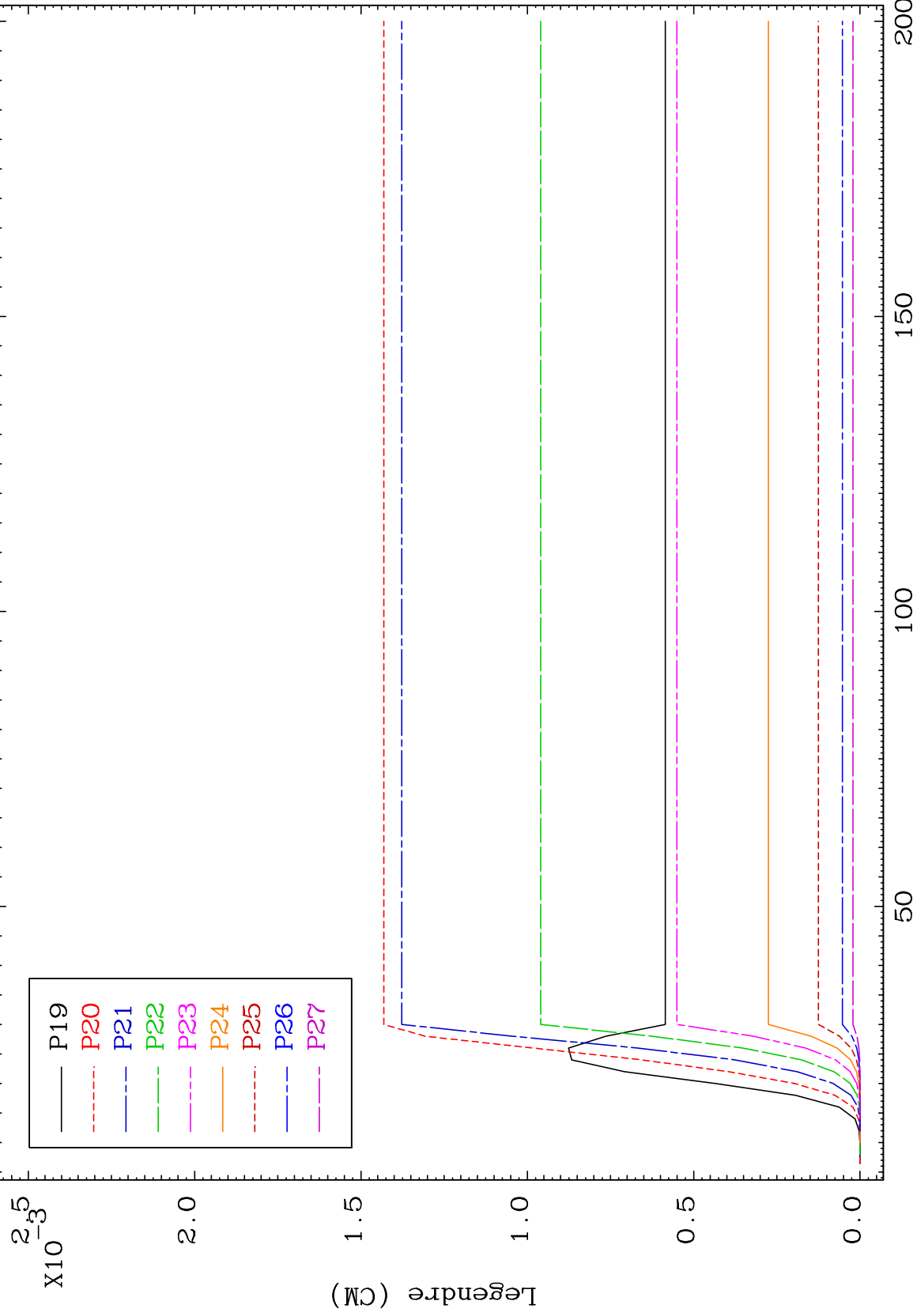
Incident Energy (MeV)

69-Tm-159

MAT 6895

584.3 keV (n,n') Level
Legendre Coefficients

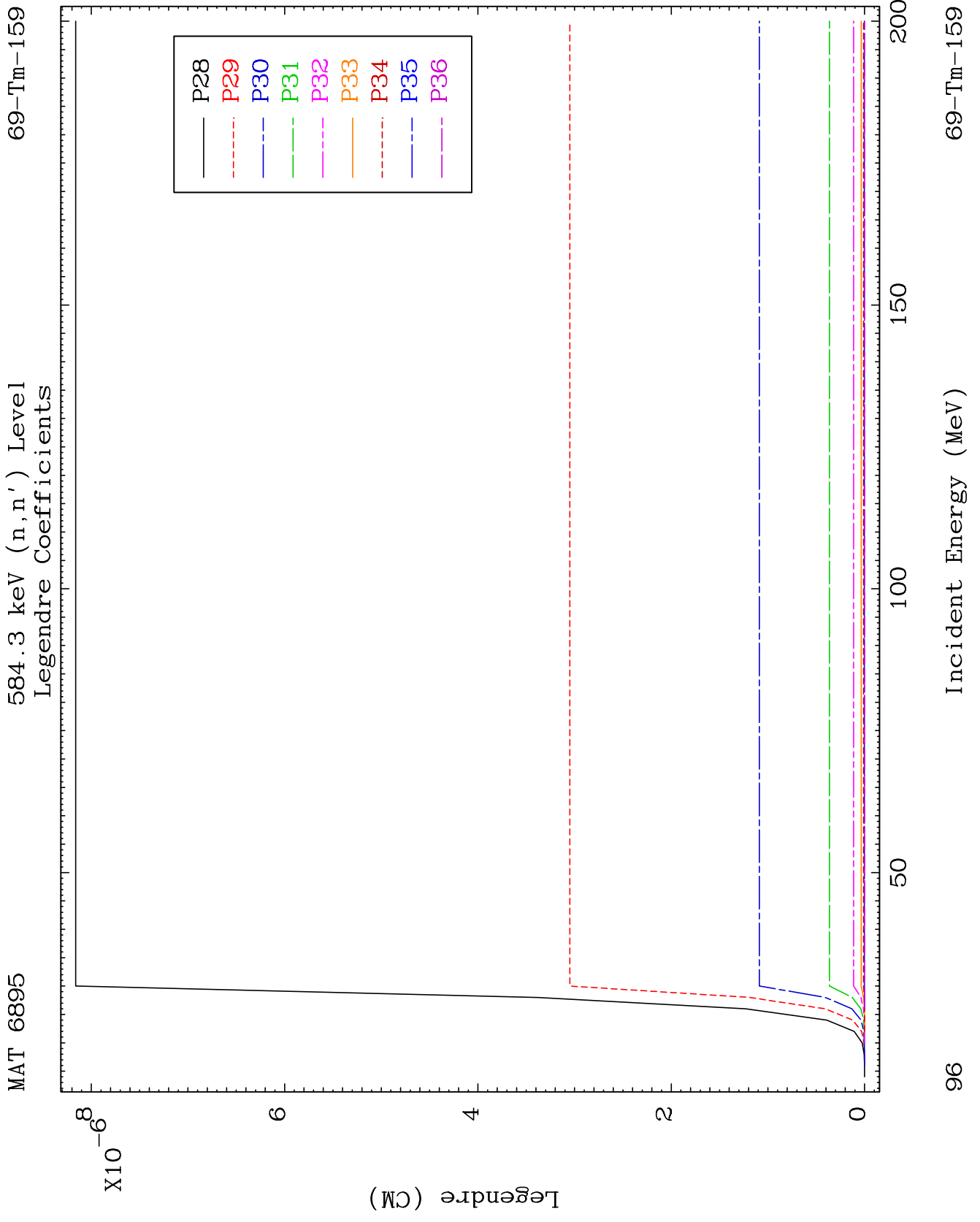
69-Tm-159



95

Incident Energy (MeV)

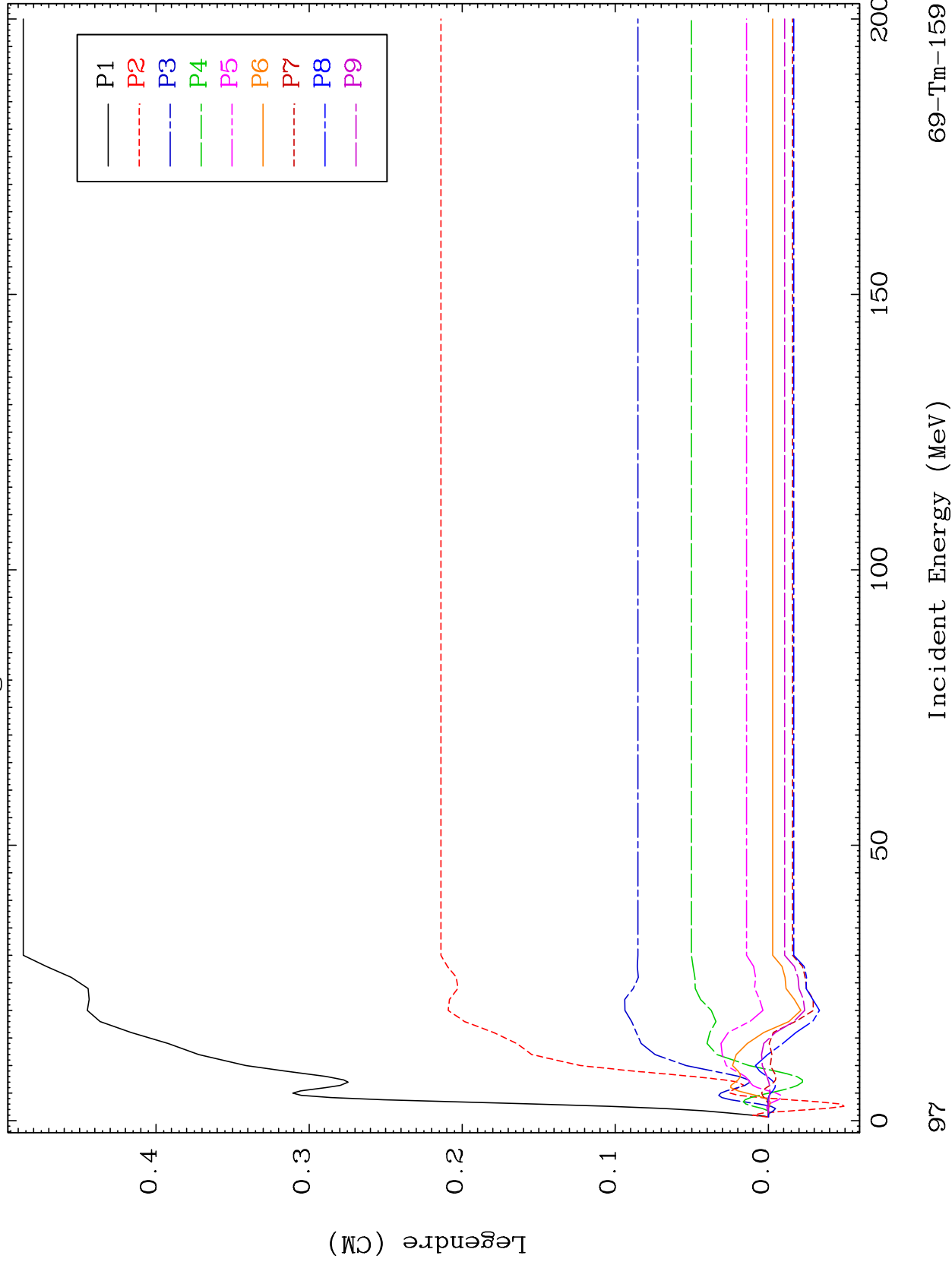
69-Tm-159



MAT 6895

638.9 keV (n,n') Level
Legendre Coefficients

69-Tm-159



97

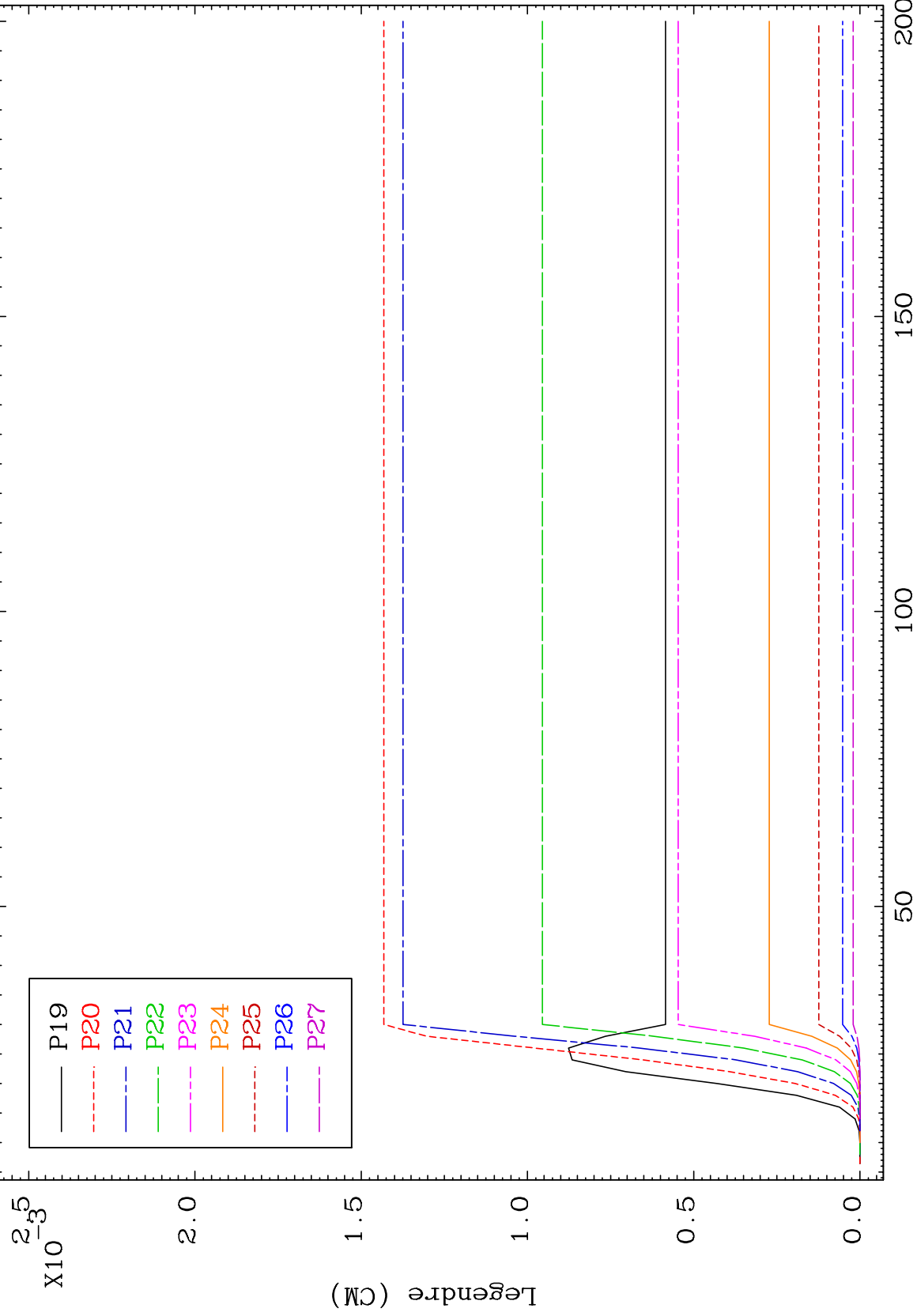
Incident Energy (MeV)

69-Tm-159

MAT 6895

638.9 keV (n,n') Level
Legendre Coefficients

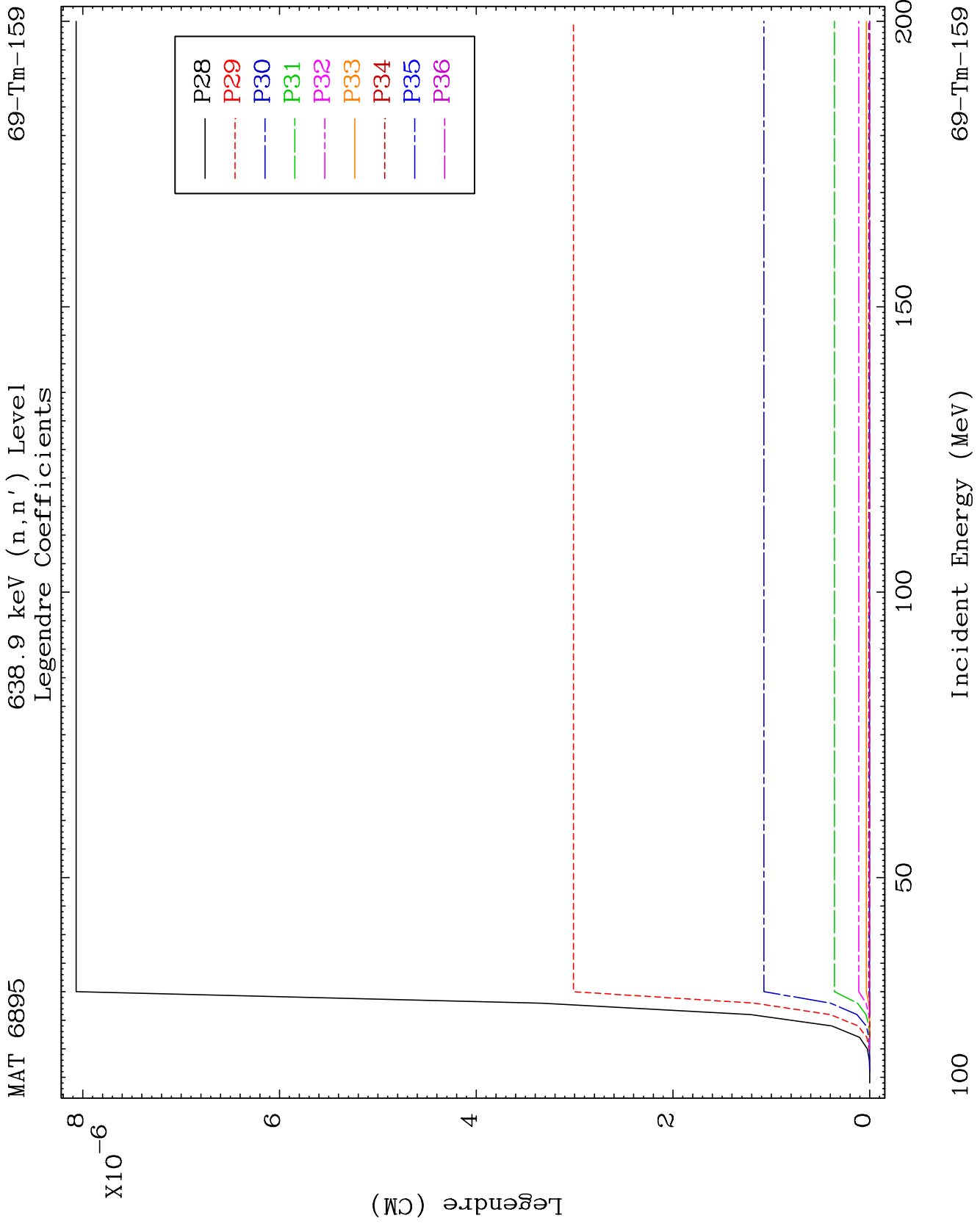
69-Tm-159



99

Incident Energy (MeV)

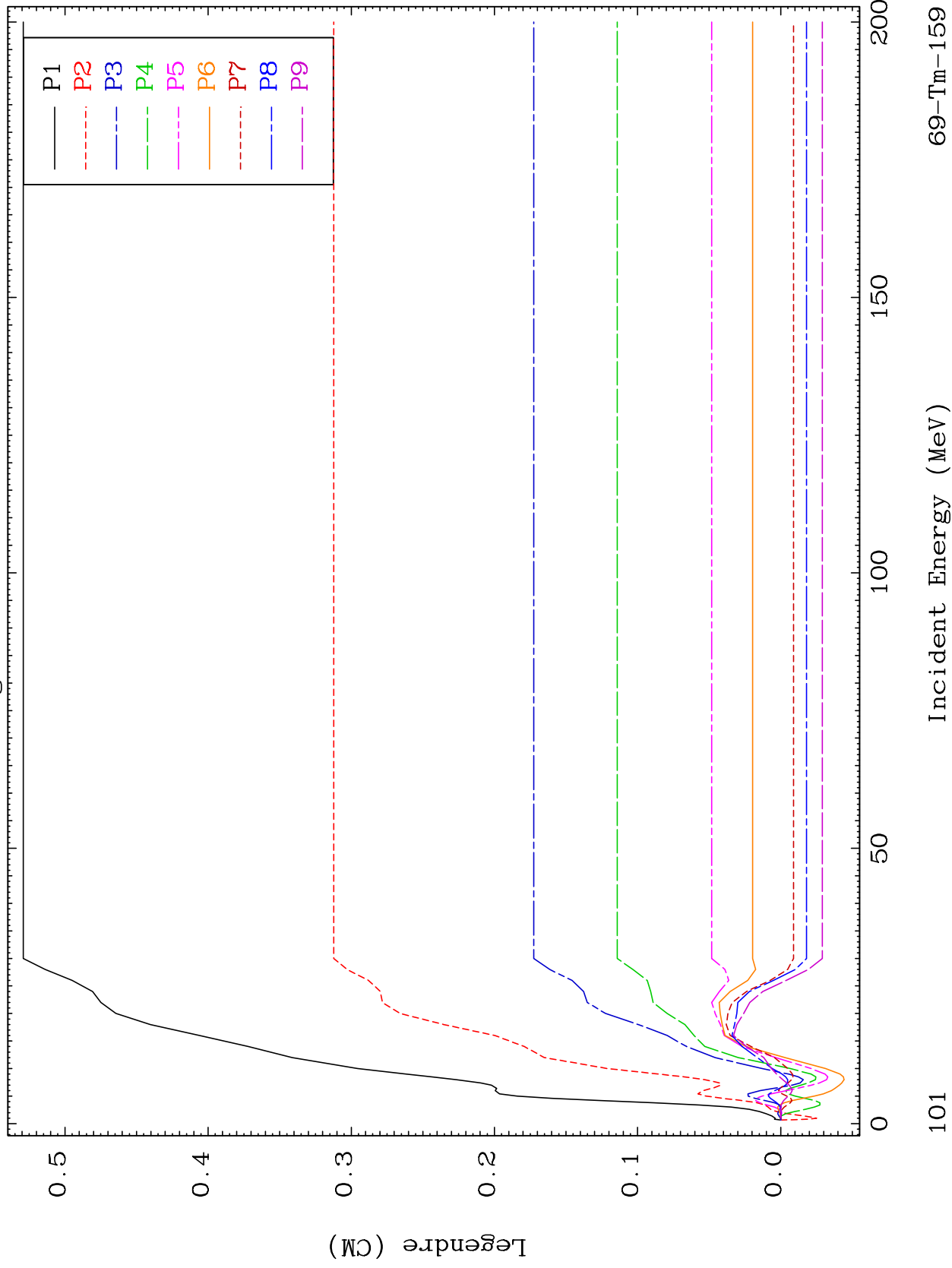
69-Tm-159



MAT 6895

644.7 keV (n,n') Level
Legendre Coefficients

69-Tm-159



69-Tm-159

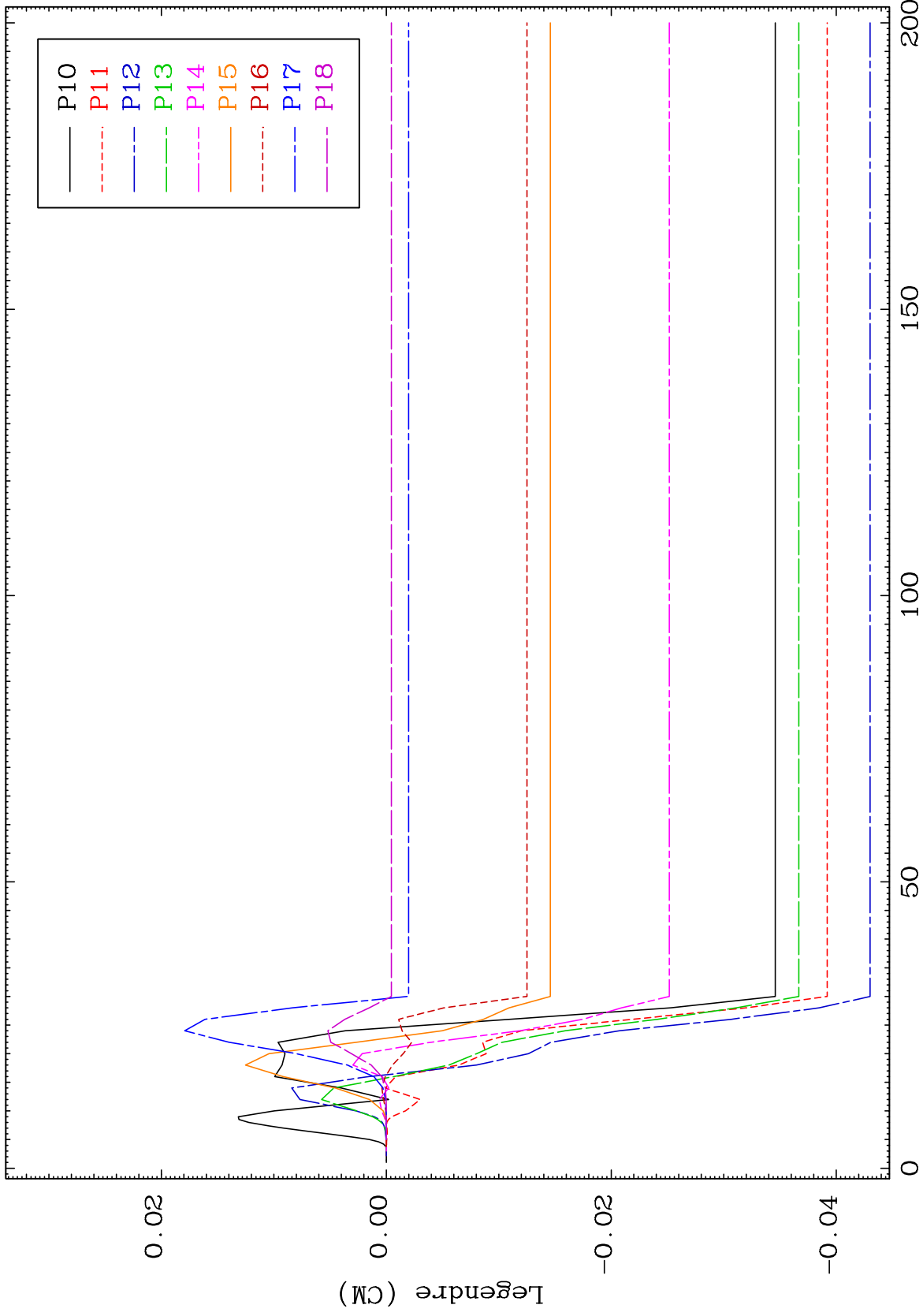
Incident Energy (MeV)

101

MAT 6895

644.7 keV (n,n') Level
Legendre Coefficients

69-Tm-159



102

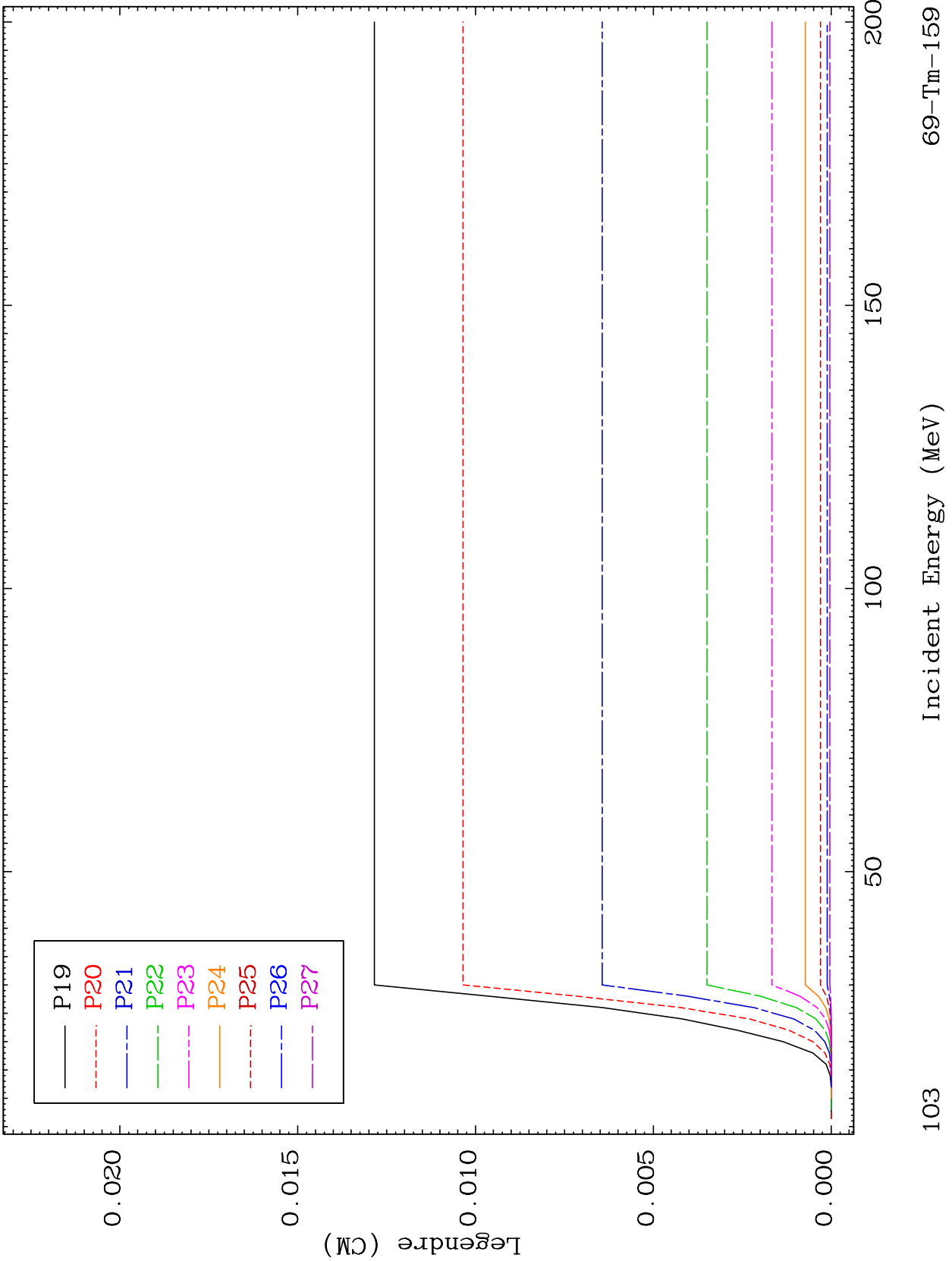
Incident Energy (MeV)

69-Tm-159

MAT 6895

644.7 keV (n,n') Level
Legendre Coefficients

69-Tm-159



103

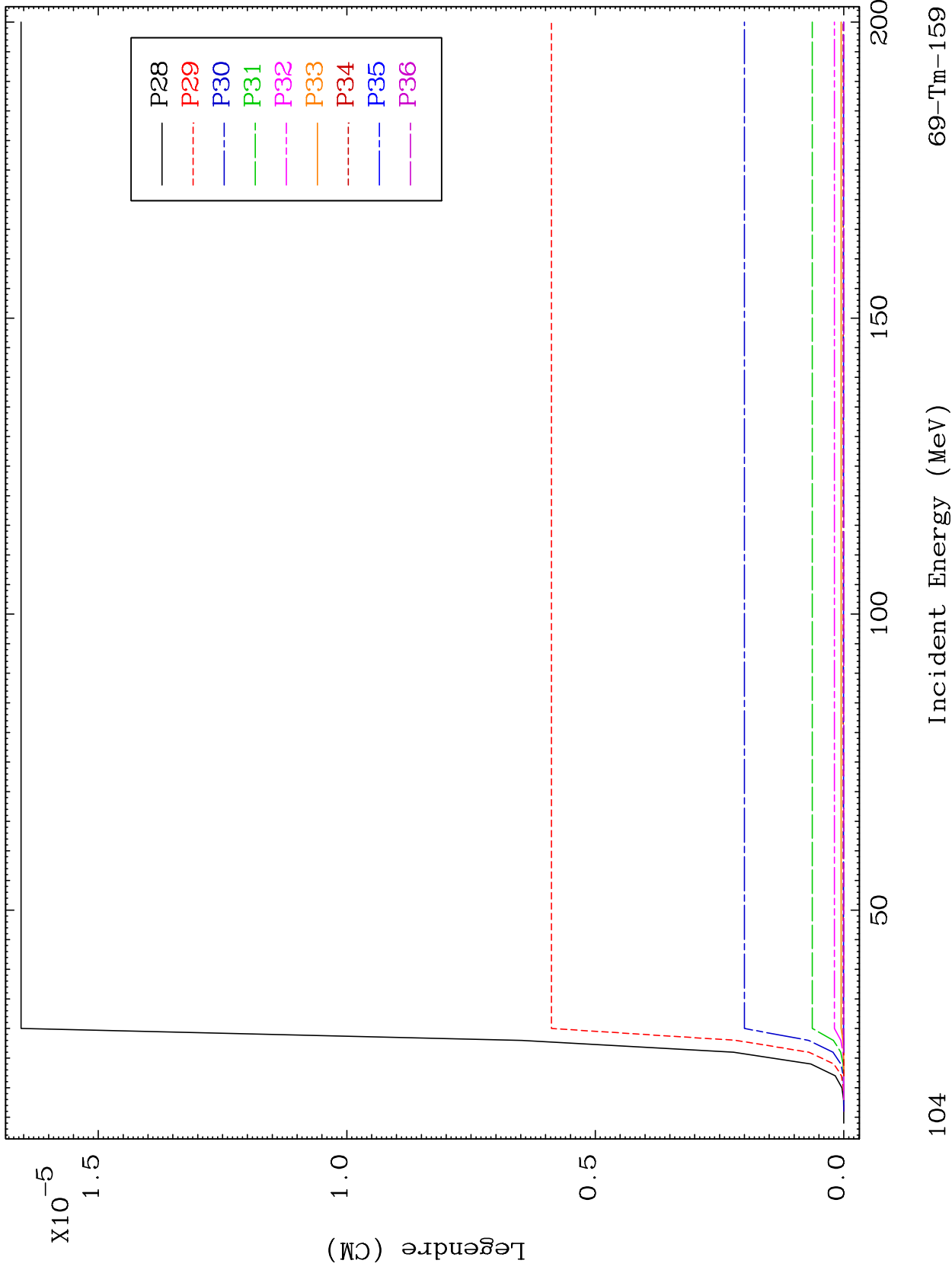
Incident Energy (MeV)

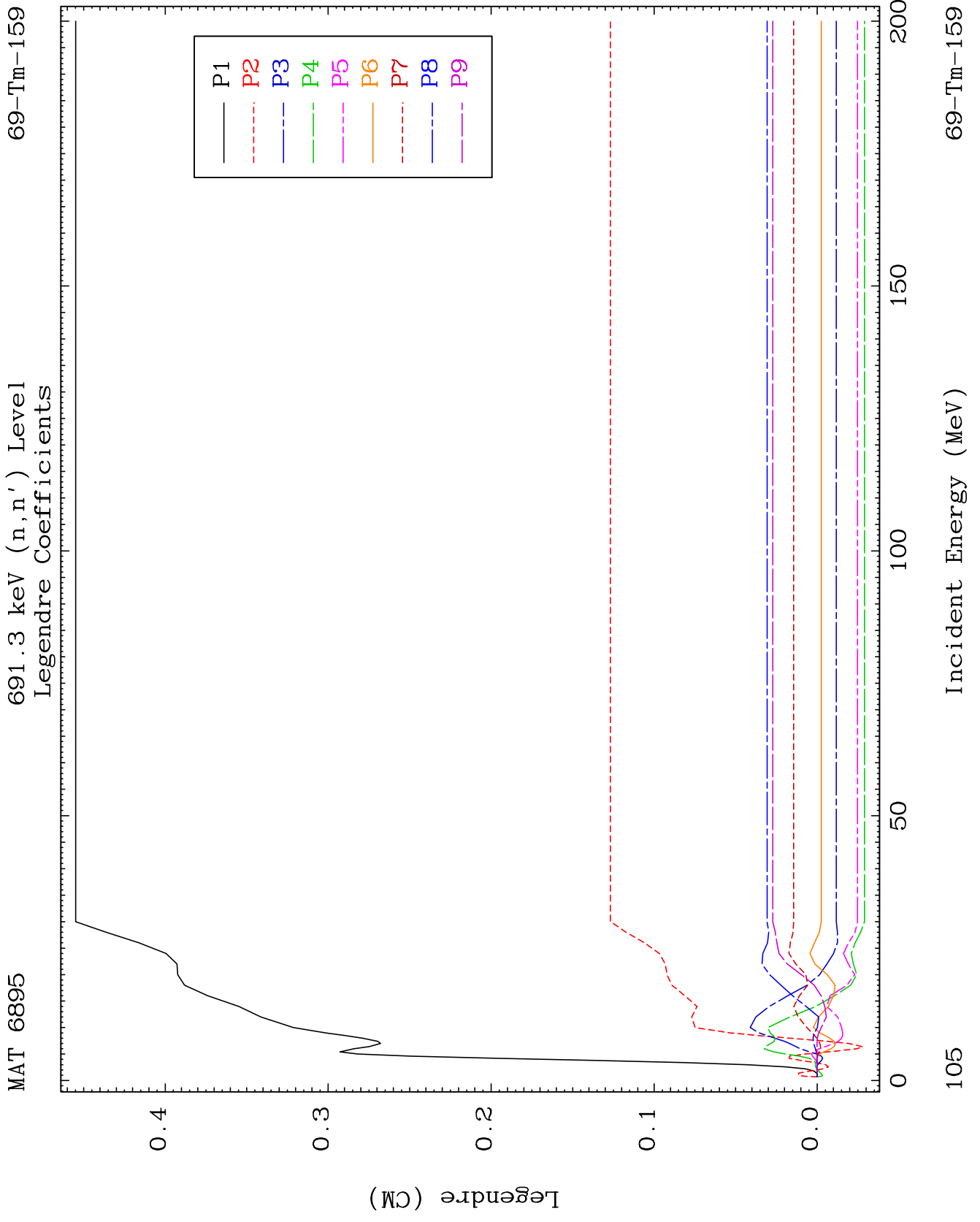
69-Tm-159

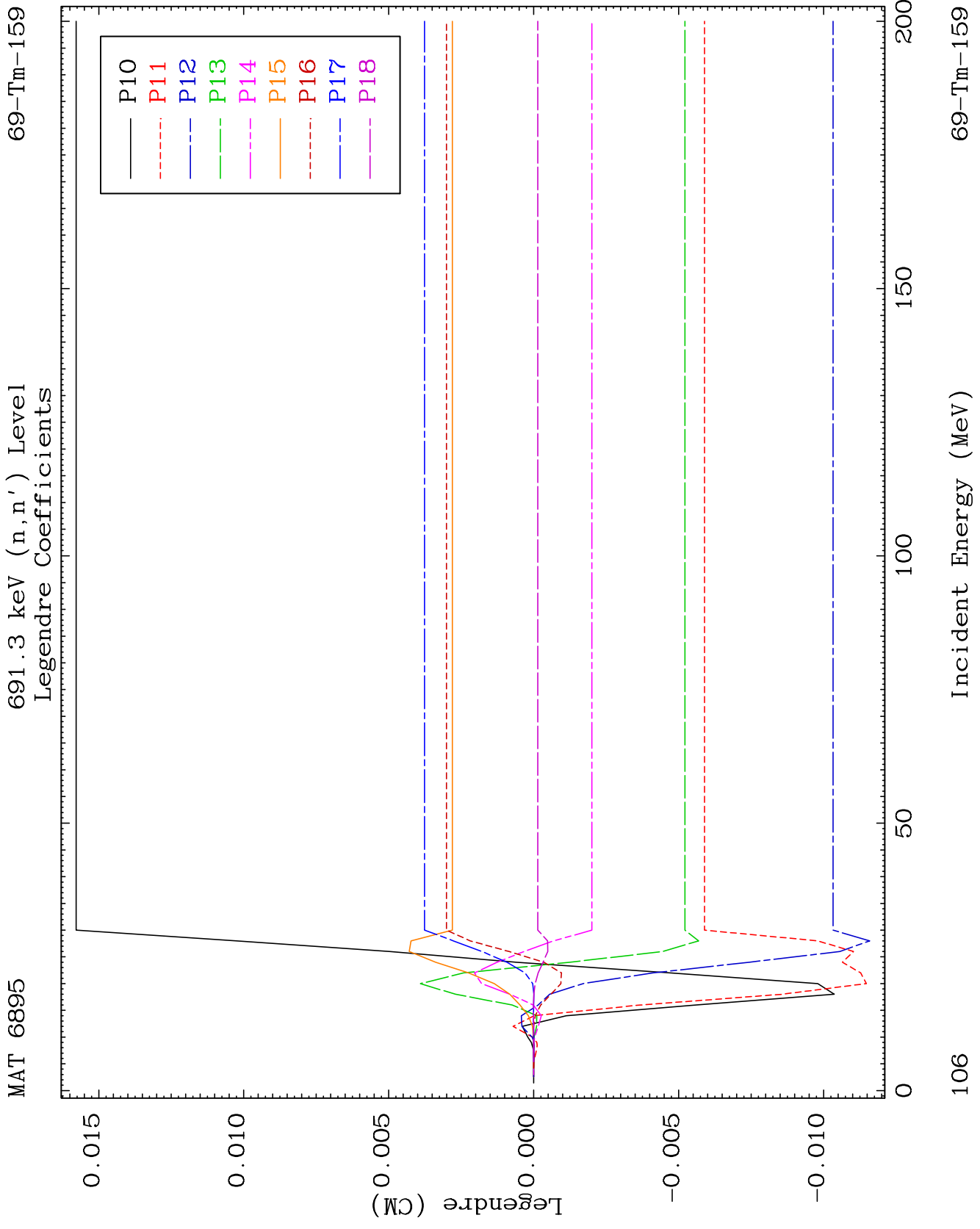
MAT 6895

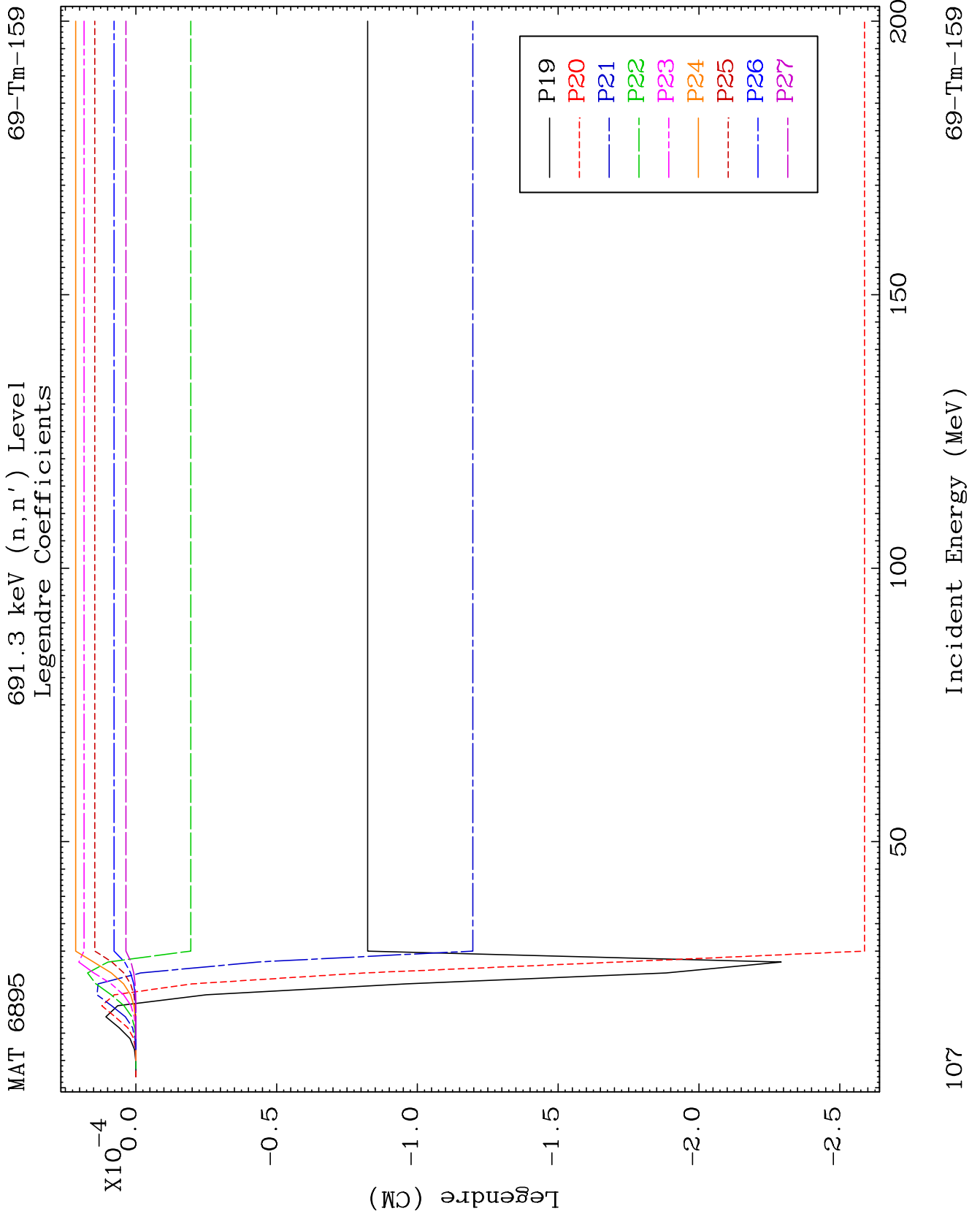
644.7 keV (n,n') Level
Legendre Coefficients

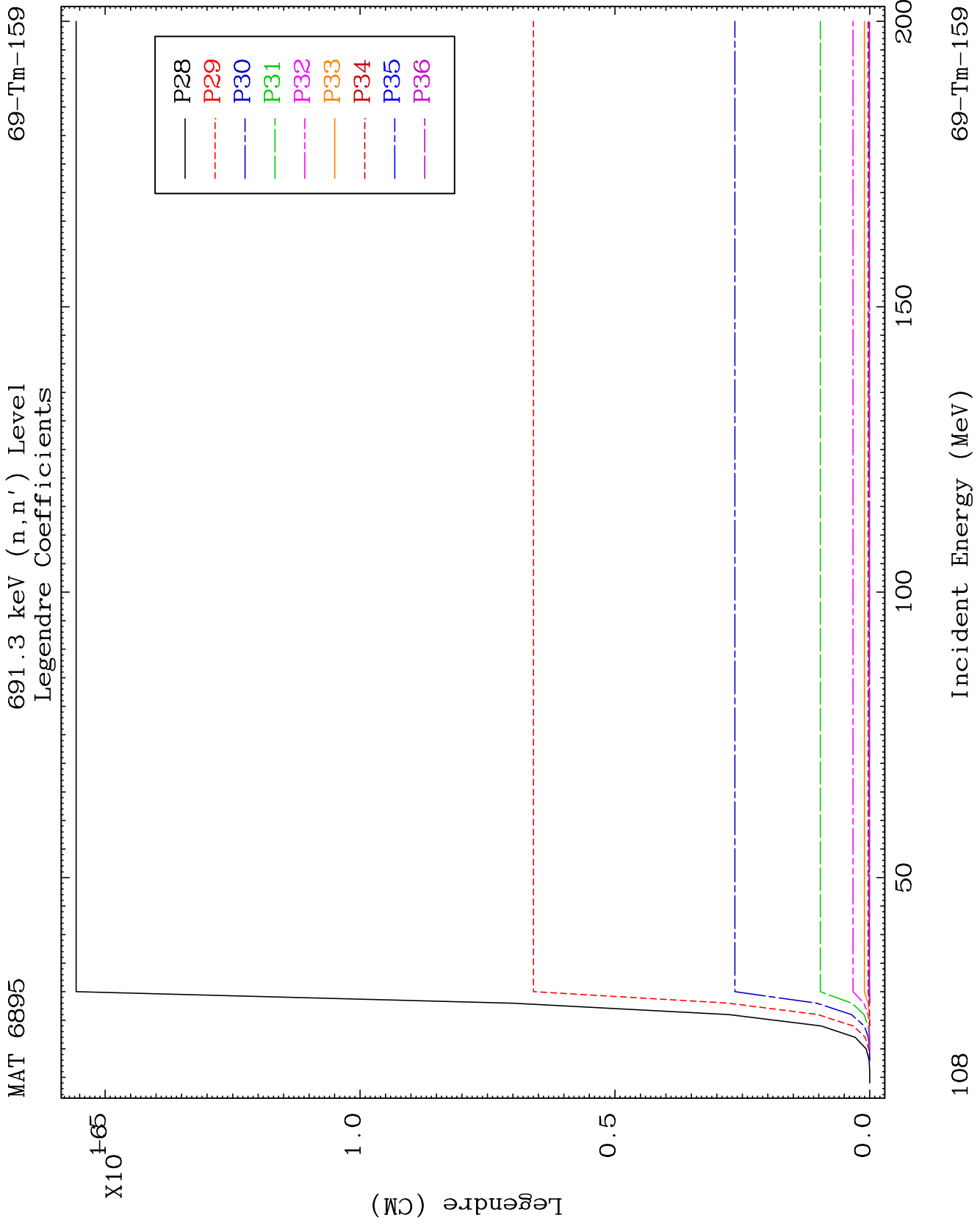
69-Tm-159

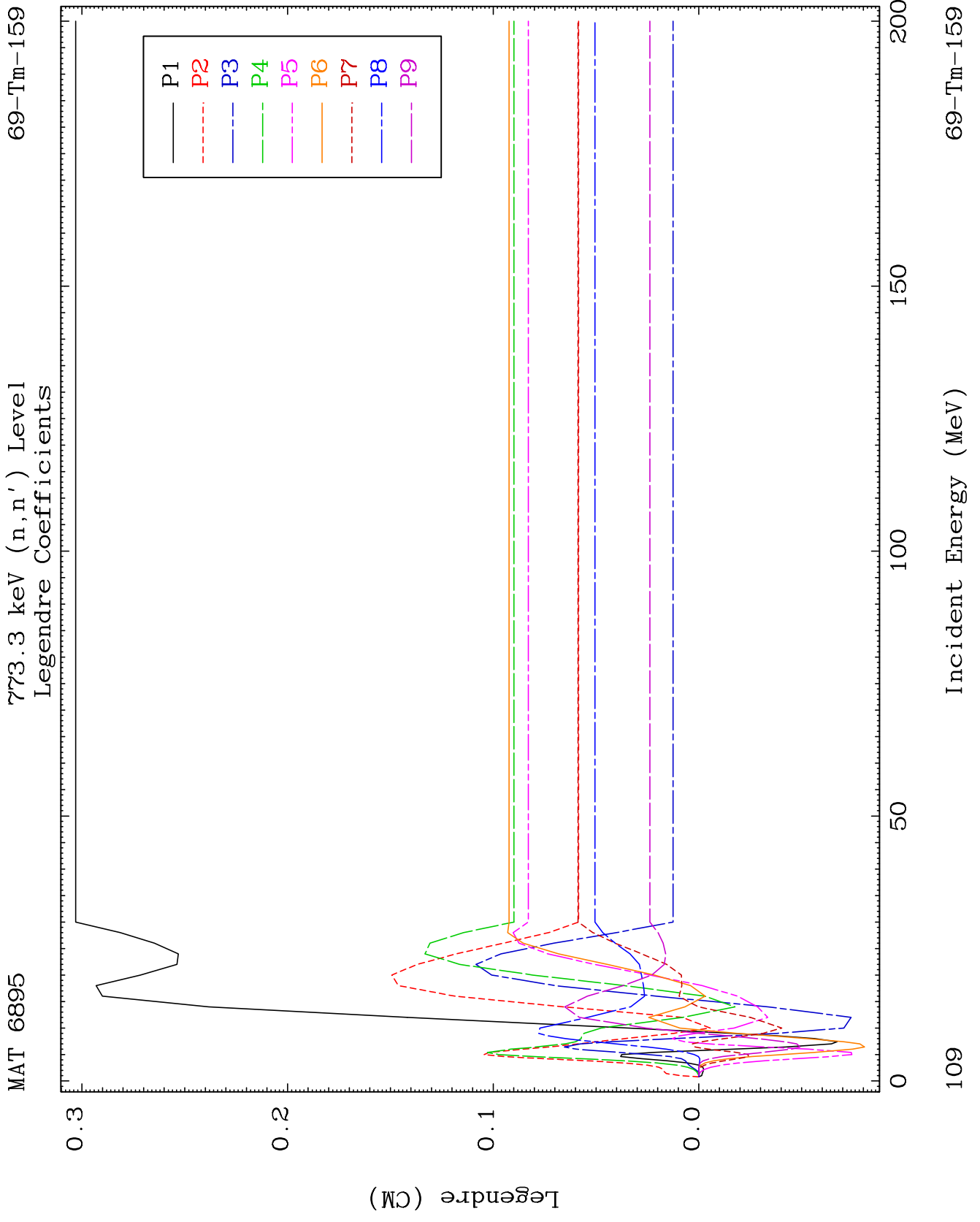








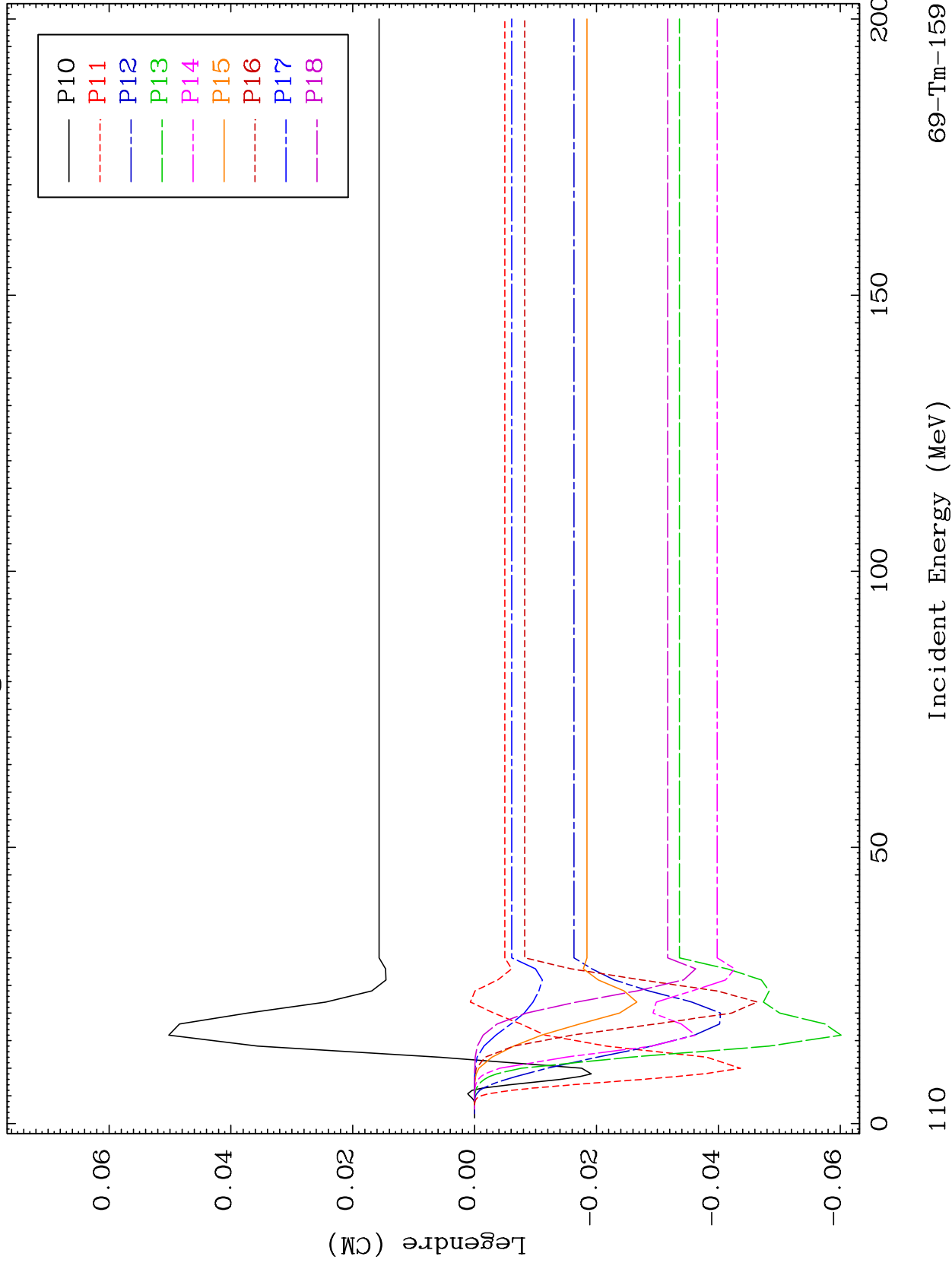




MAT 6895

773.3 keV (n,n') Level
Legendre Coefficients

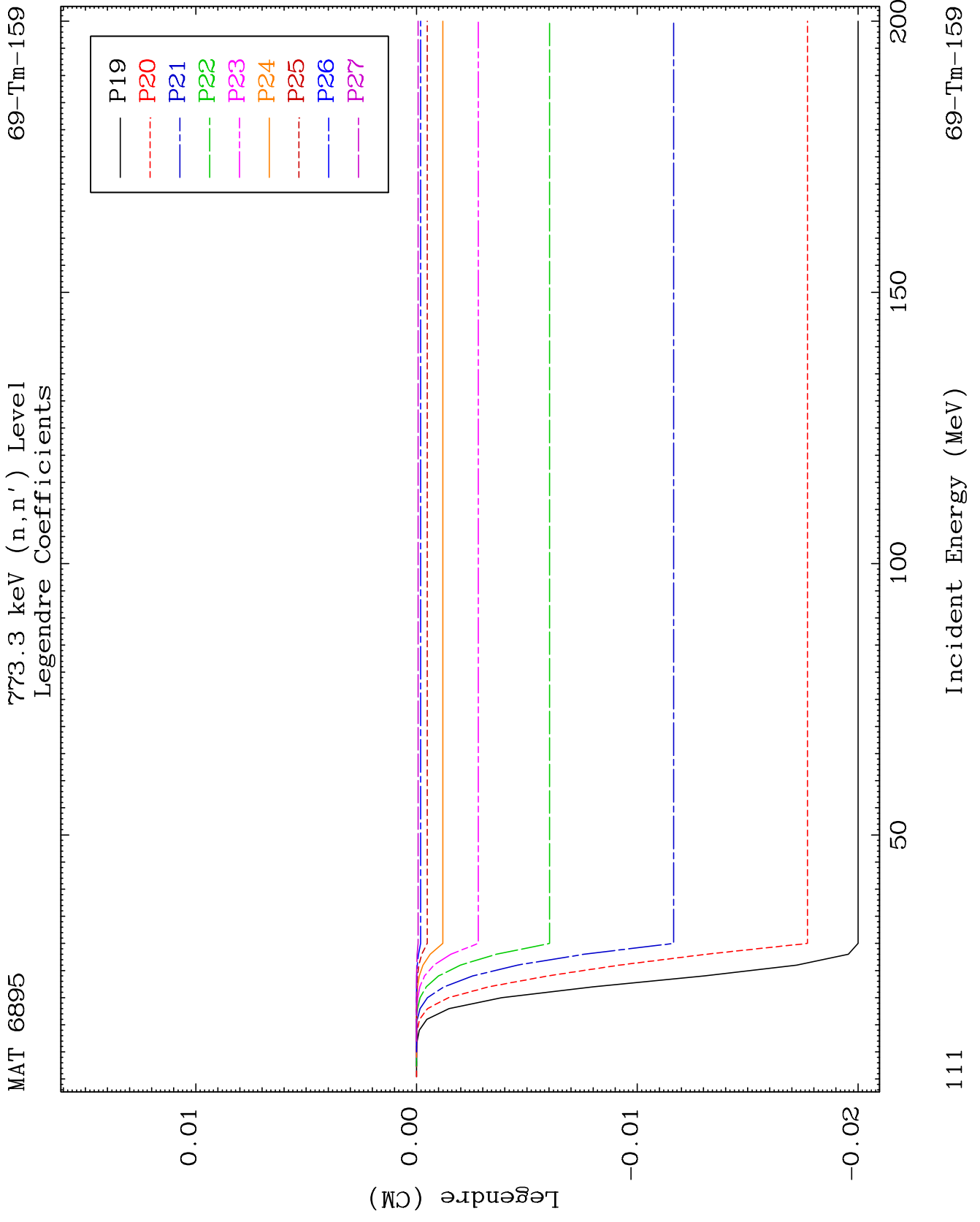
69-Tm-159

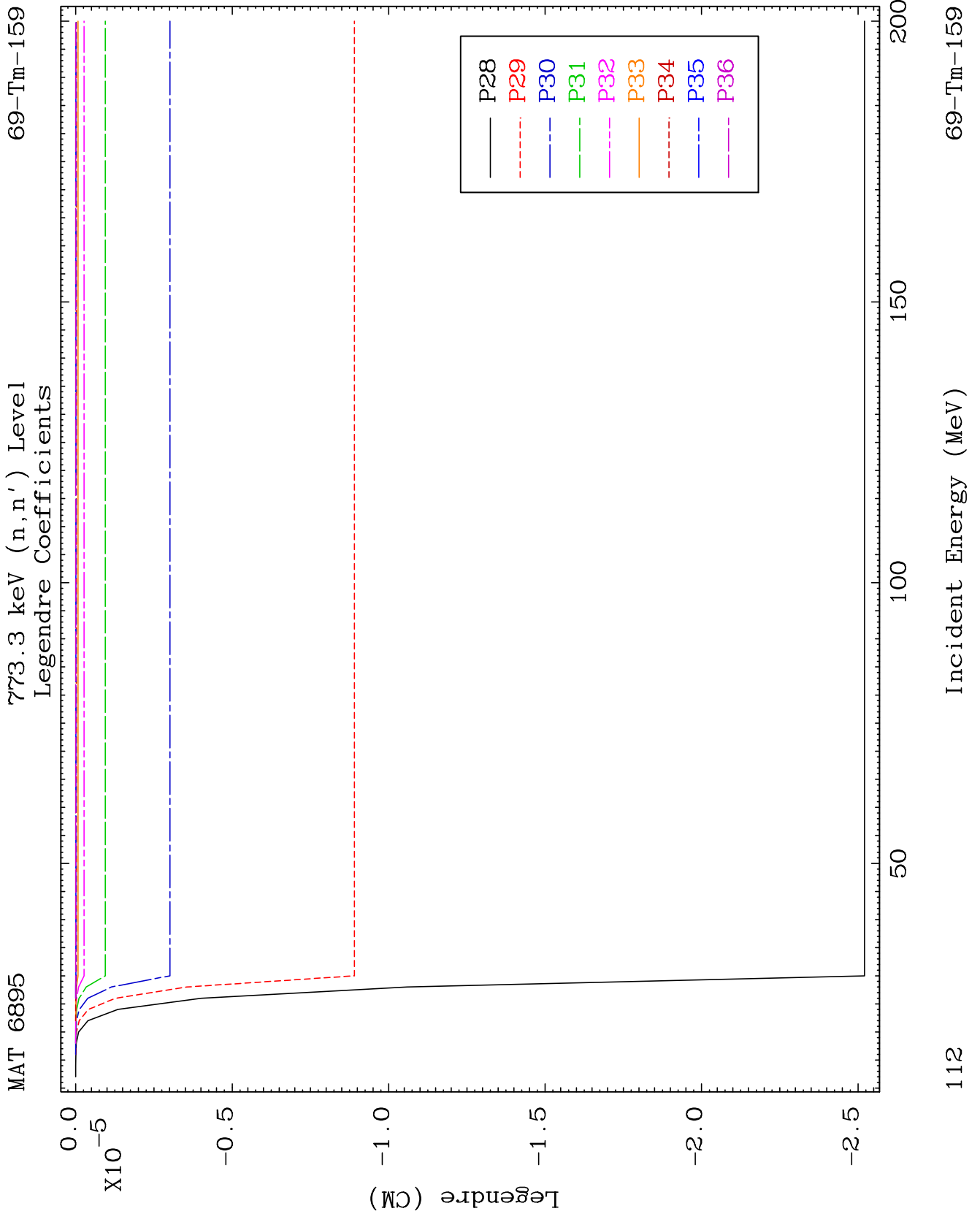


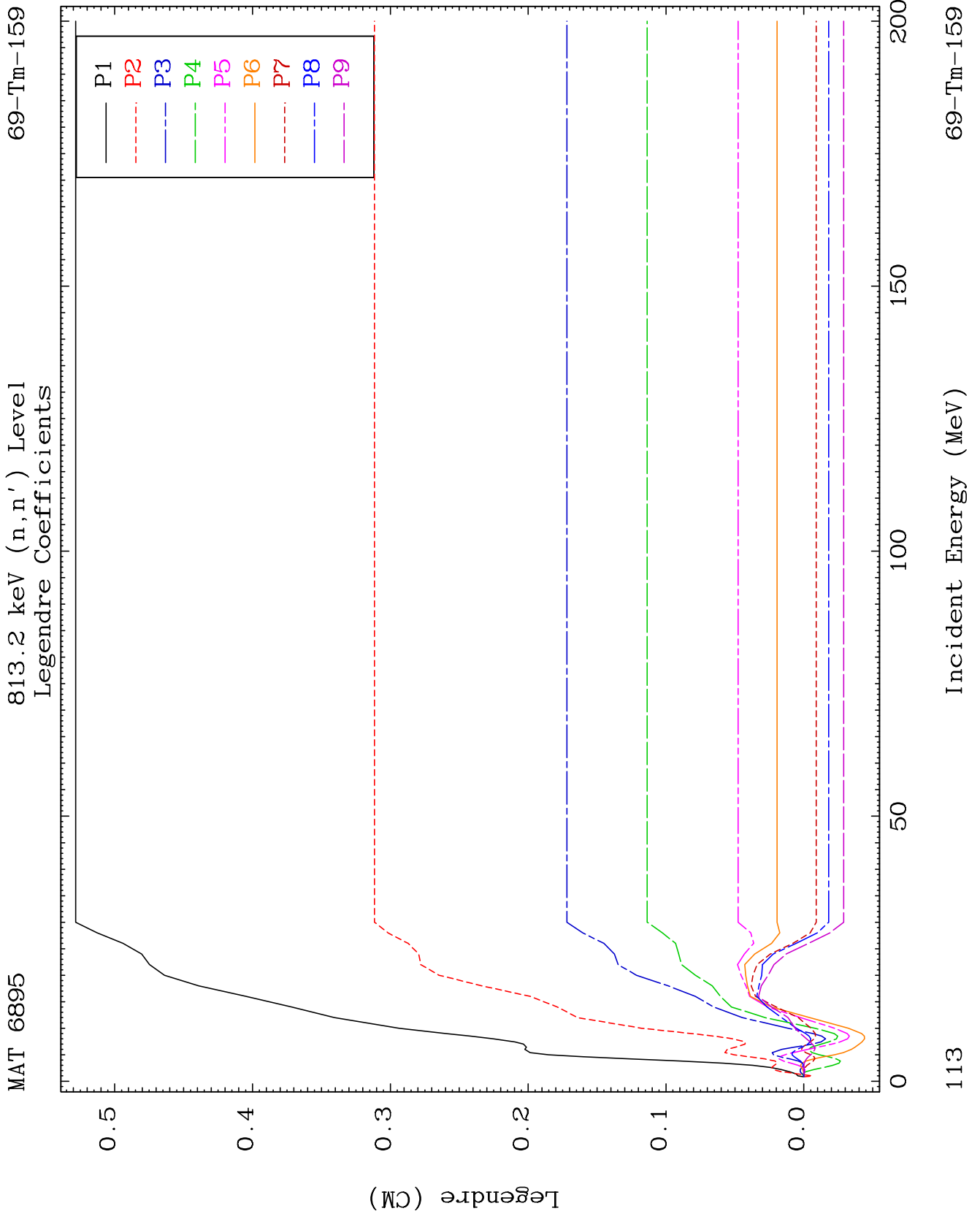
69-Tm-159

Incident Energy (MeV)

110



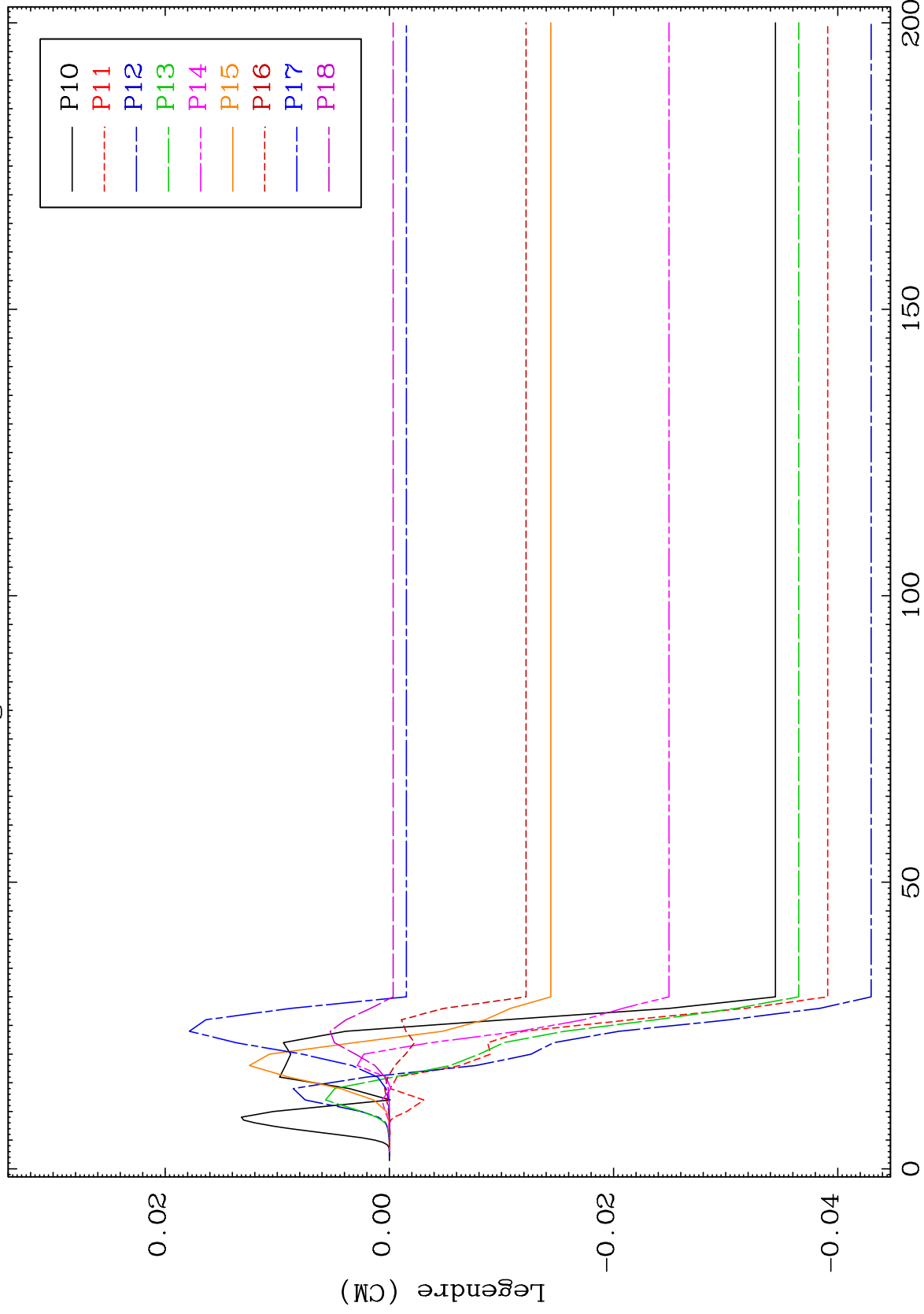




MAT 6895

813.2 keV (n,n') Level
Legendre Coefficients

69-Tm-159



114

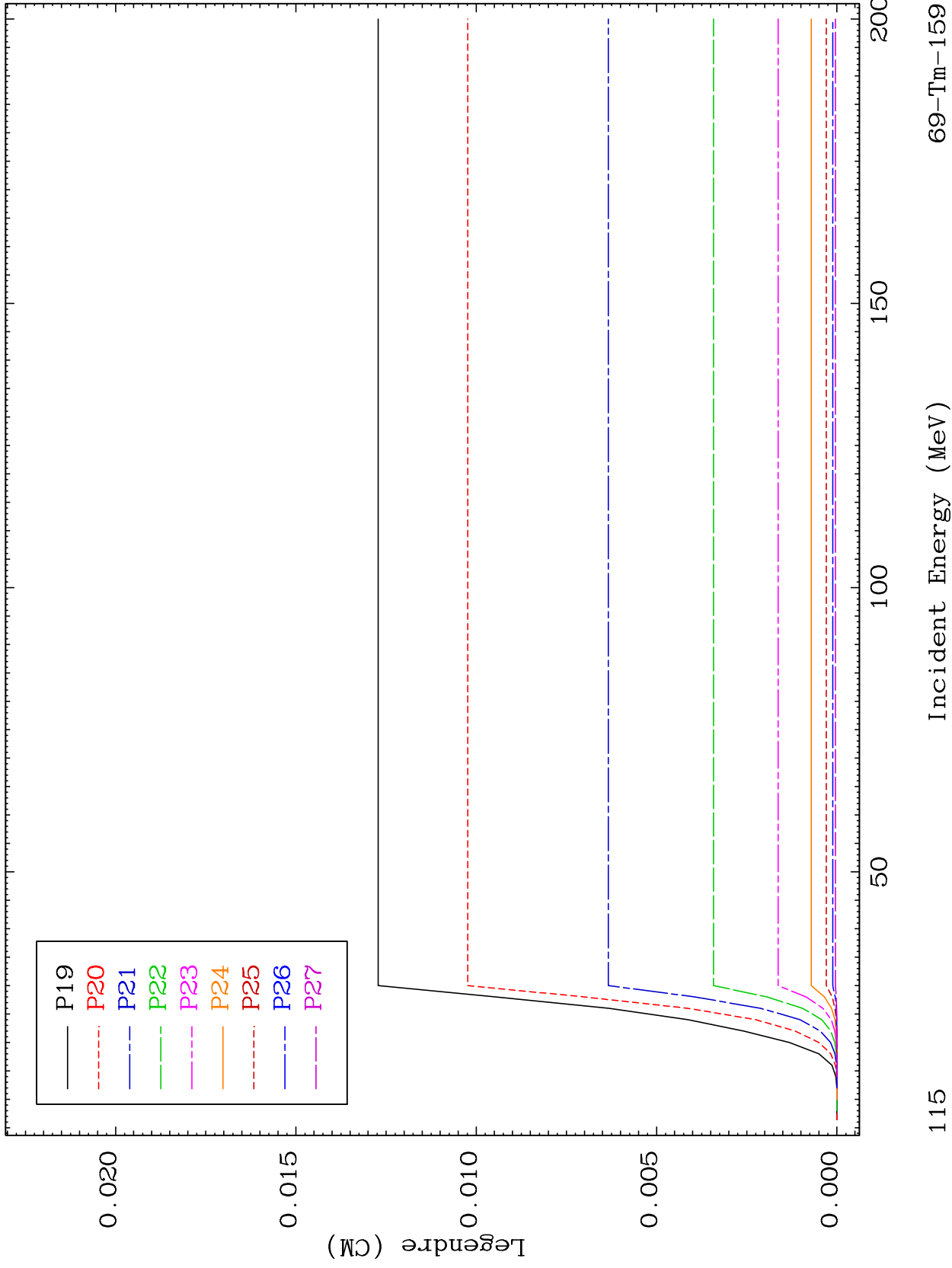
Incident Energy (MeV)

69-Tm-159

MAT 6895

813.2 keV (n,n') Level
Legendre Coefficients

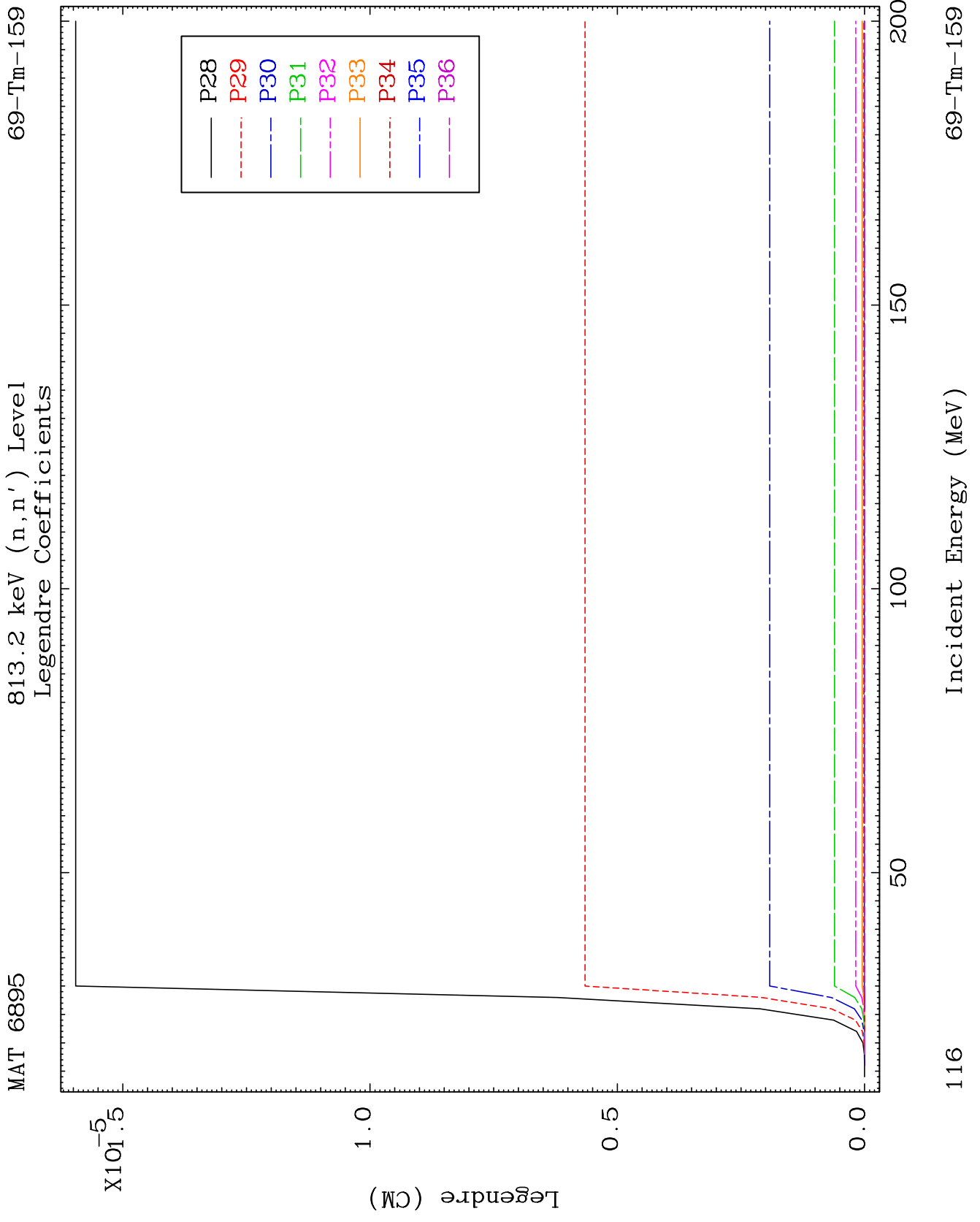
69-Tm-159

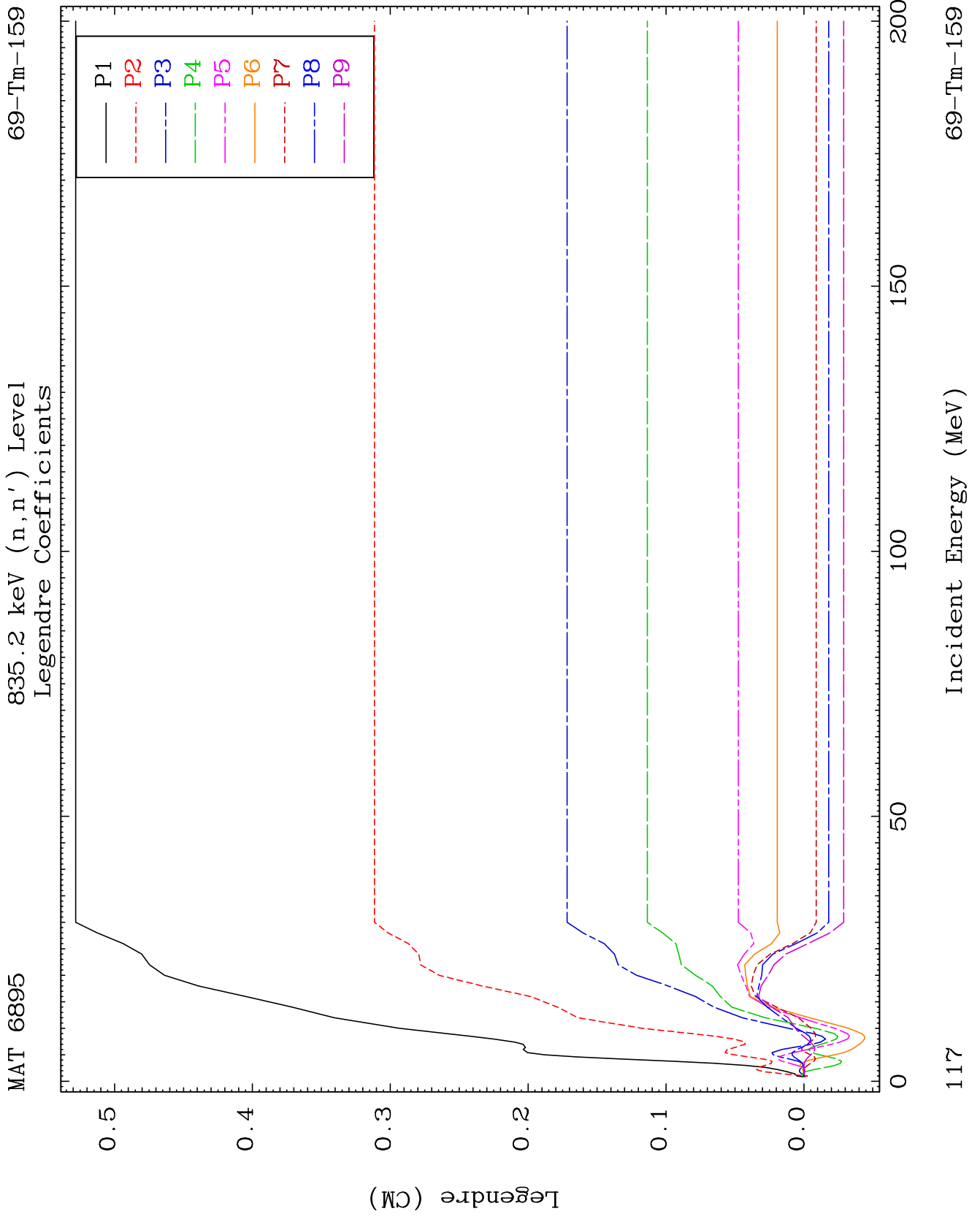


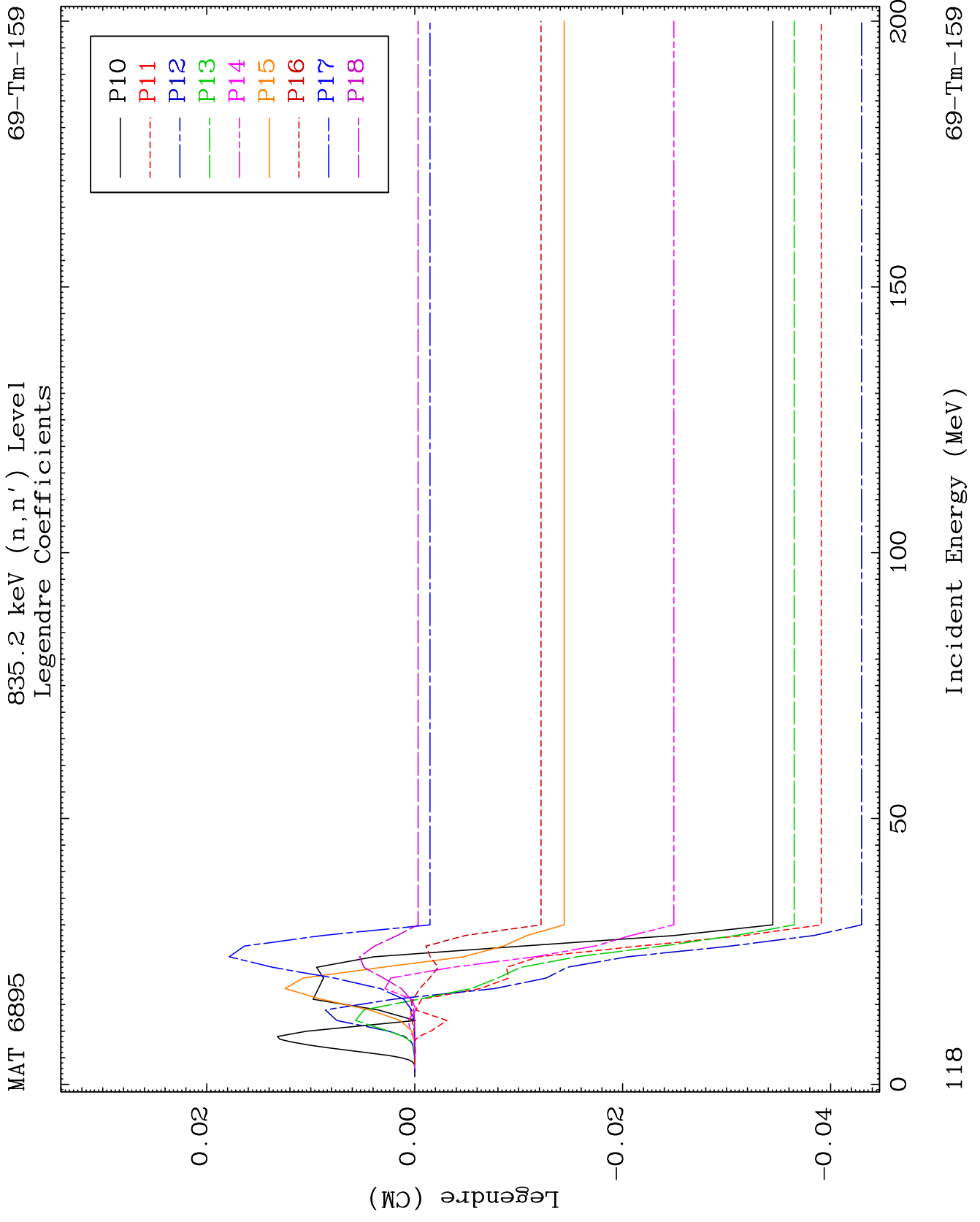
115

Incident Energy (MeV)

69-Tm-159



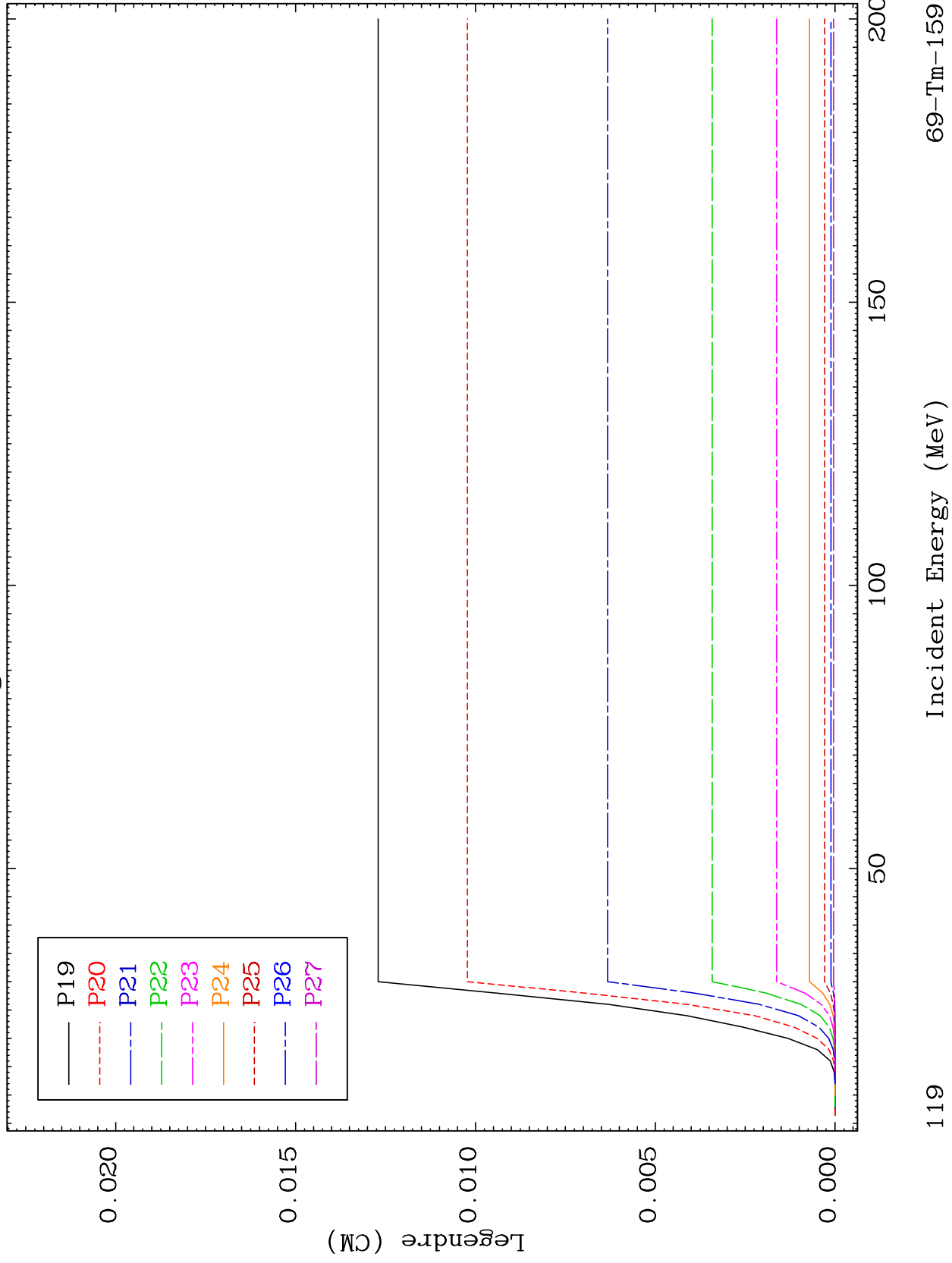




MAT 6895

835.2 keV (n,n') Level
Legendre Coefficients

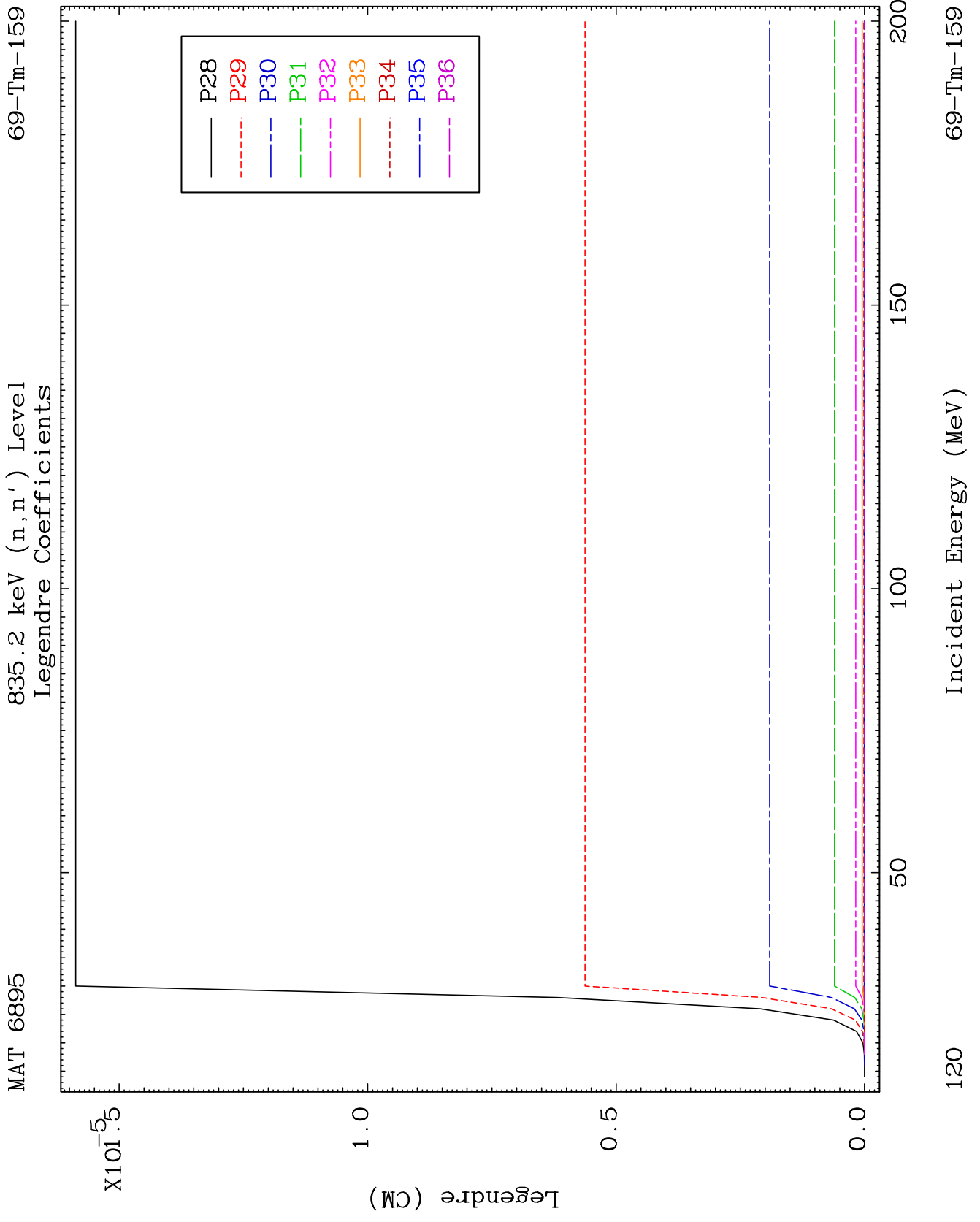
69-Tm-159

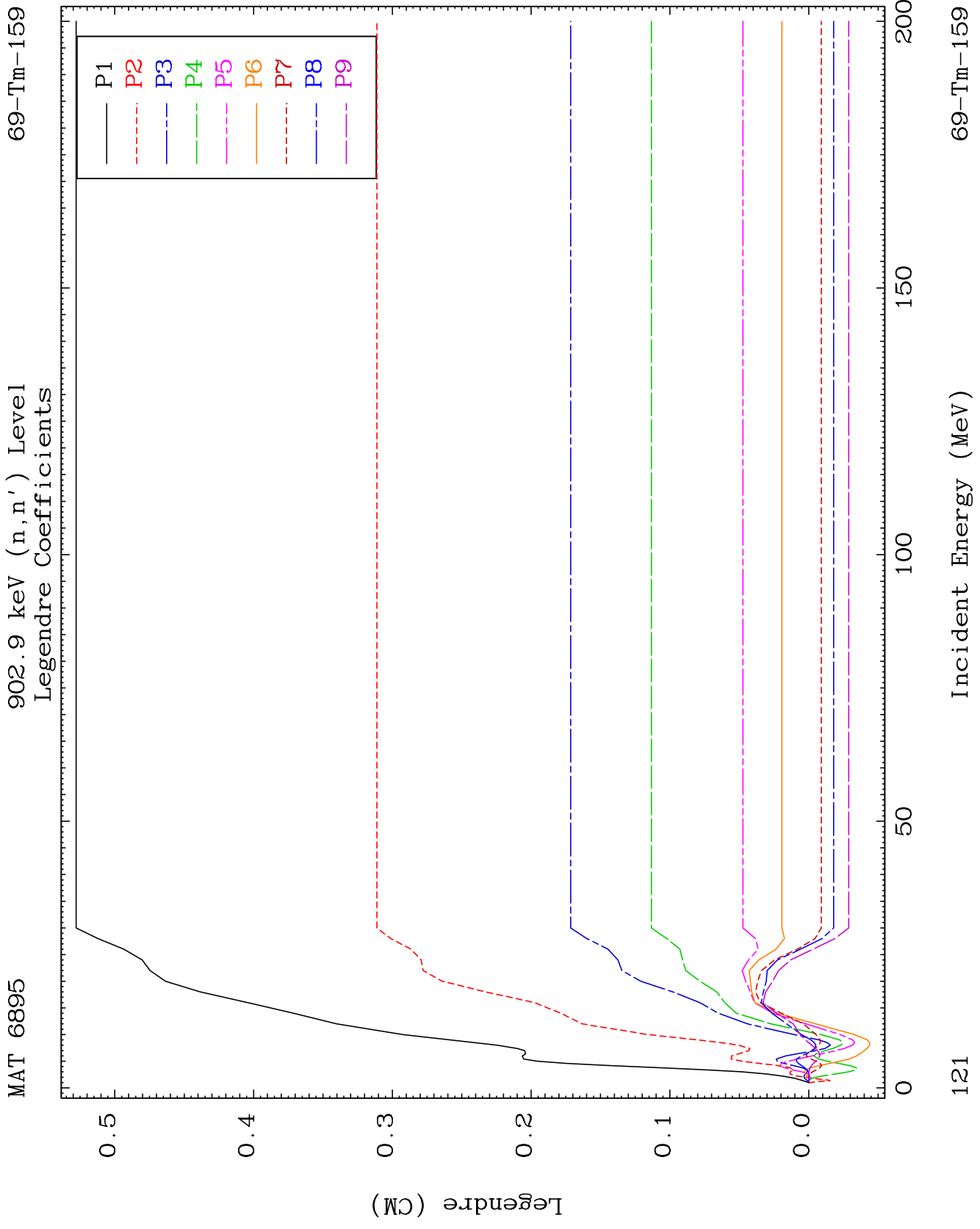


119

Incident Energy (MeV)

69-Tm-159

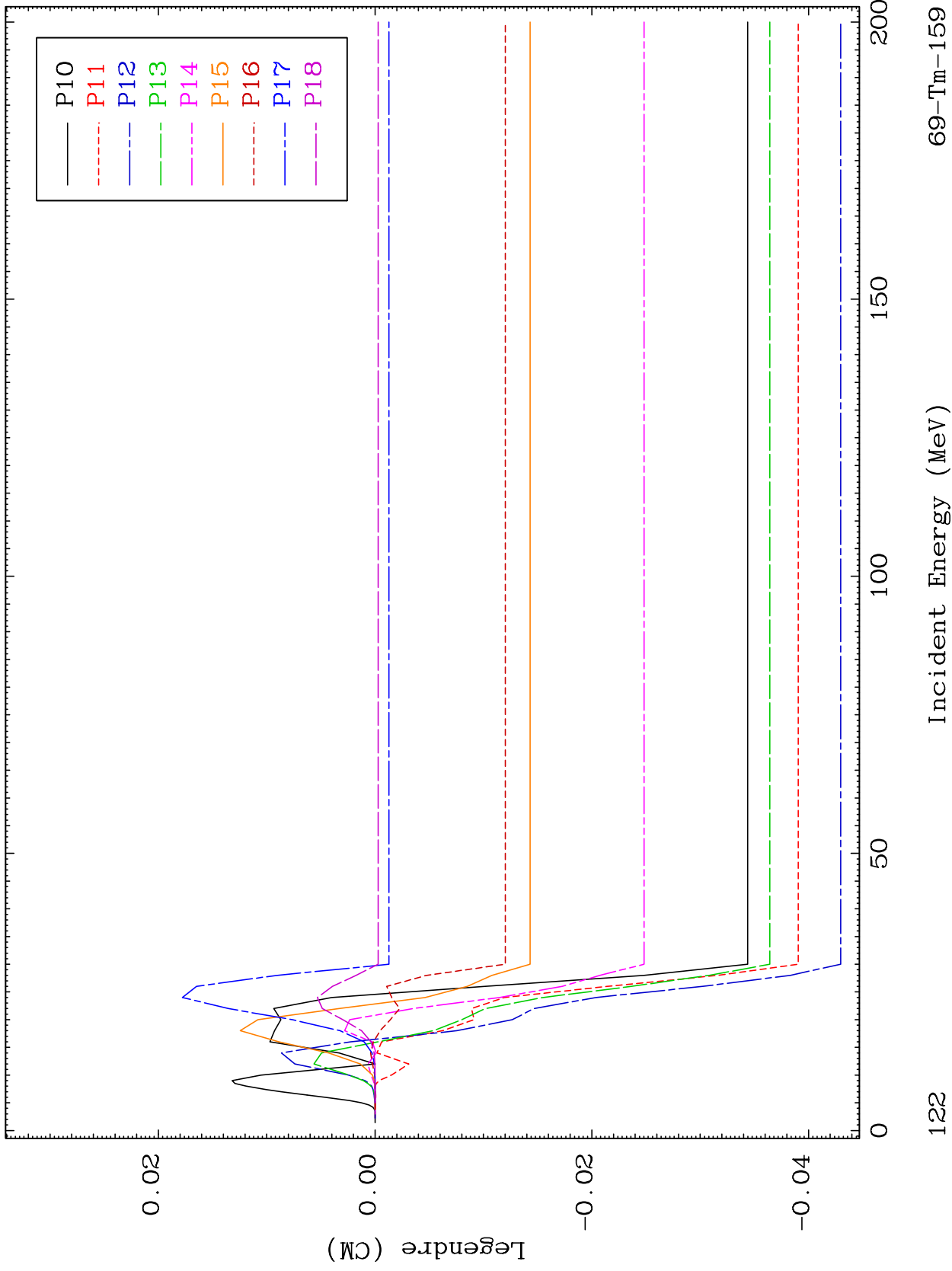




MAT 6895

902.9 keV (n,n') Level
Legendre Coefficients

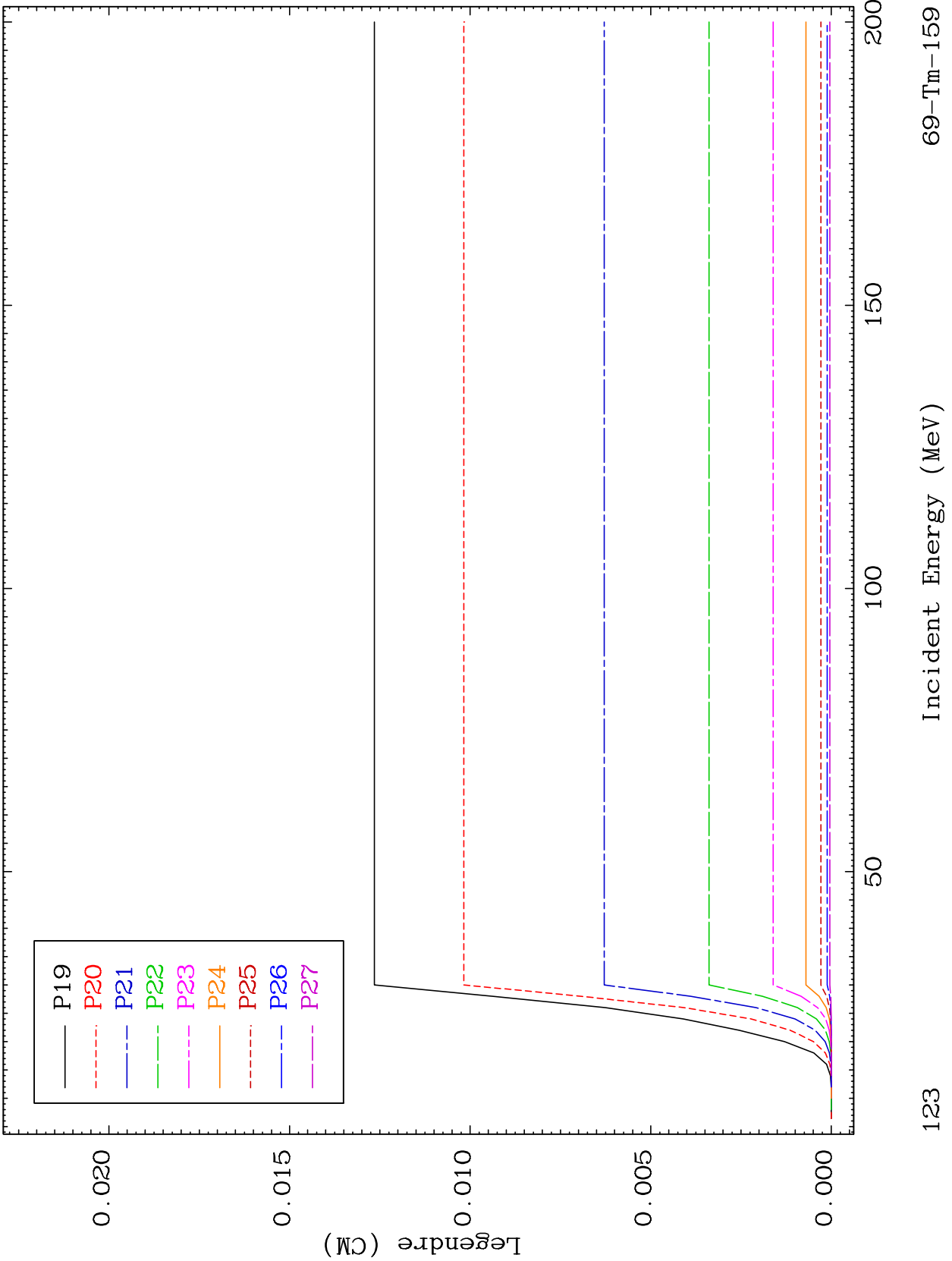
69-Tm-159

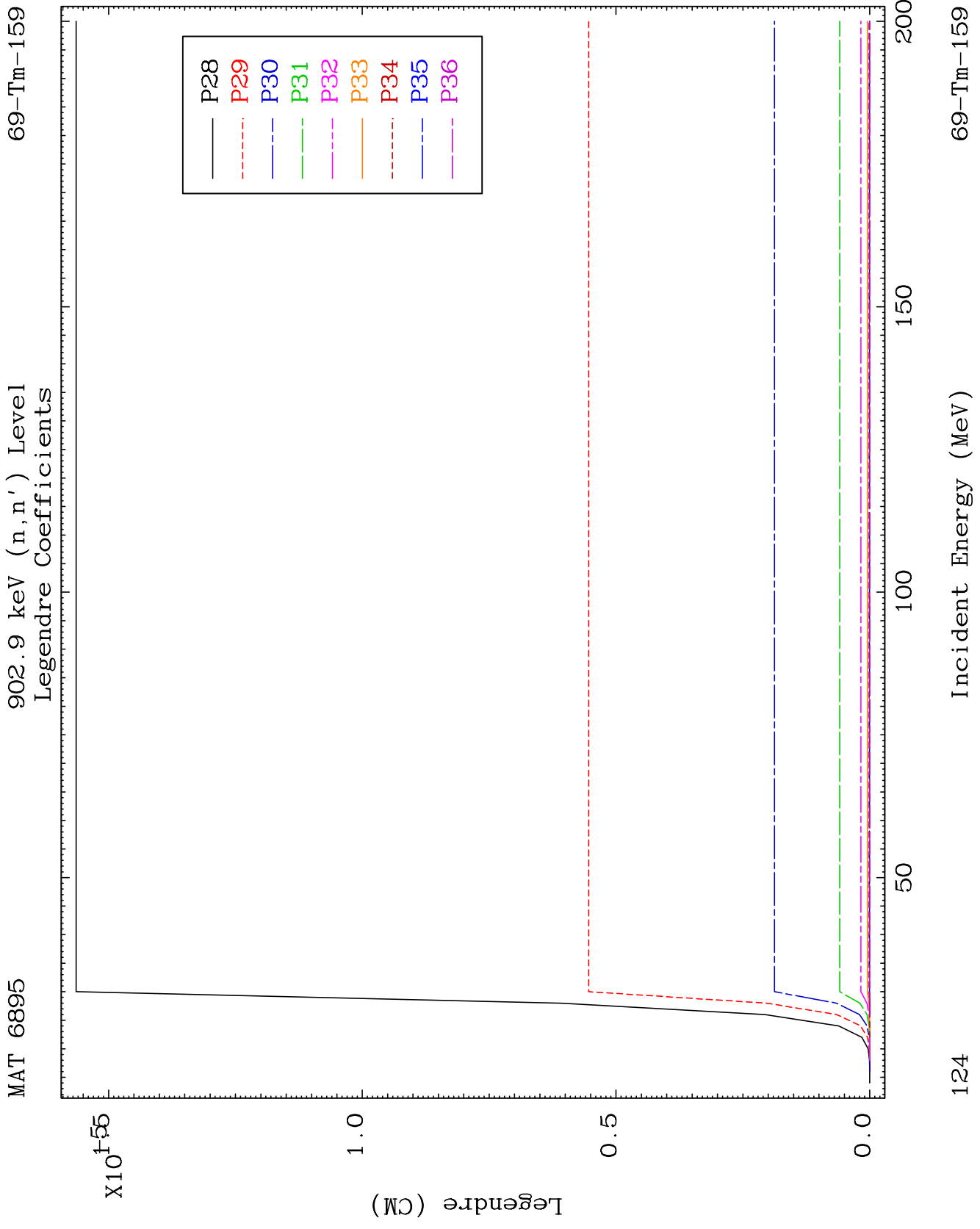


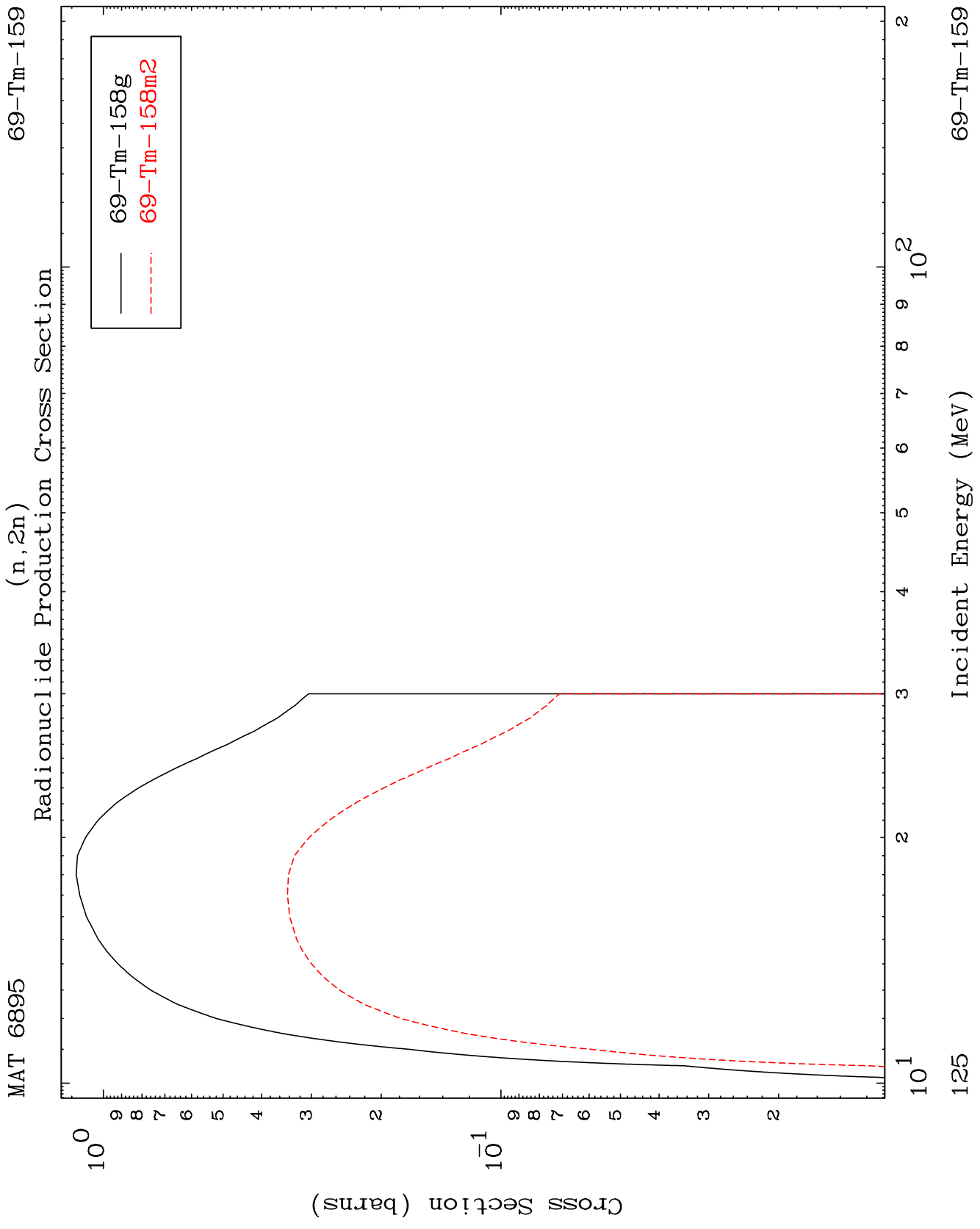
122

Incident Energy (MeV)

69-Tm-159





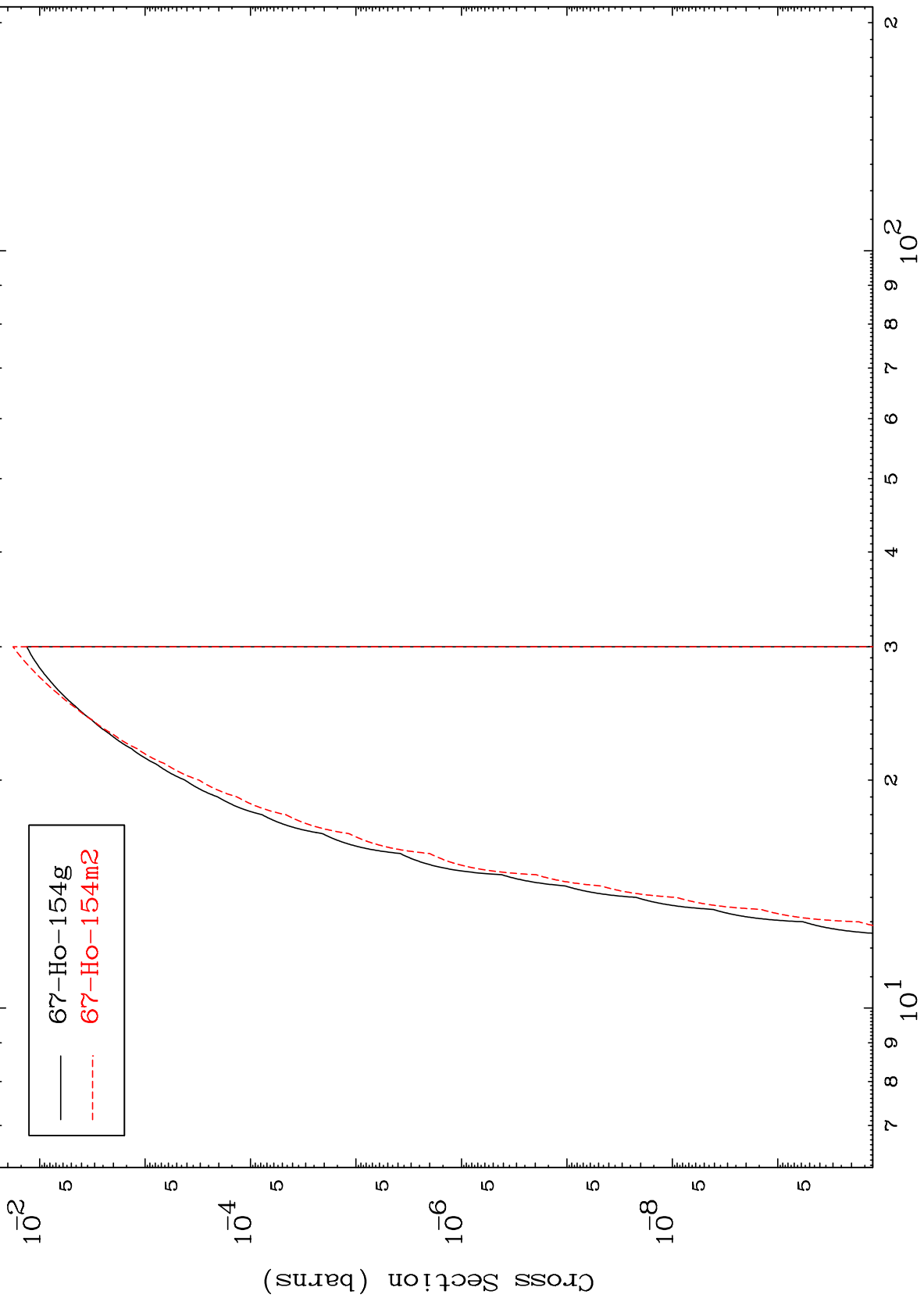


MAT 6895

$(n,2n) \alpha$

69-Tm-159

Radionuclide Production Cross Section



126

Incident Energy (MeV)

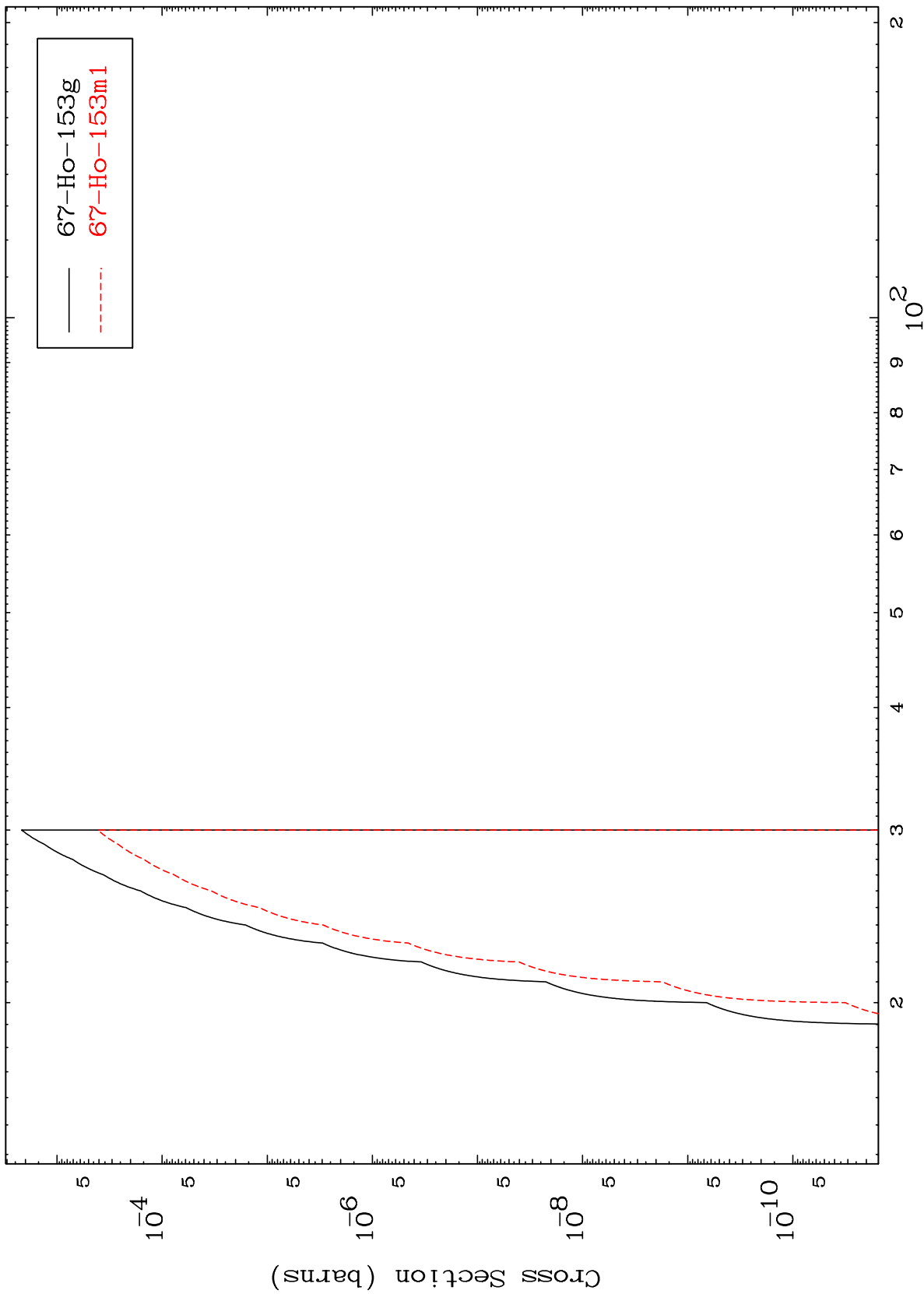
69-Tm-159

MAT 6895

(n,3n) α

69-Tm-159

Radionuclide Production Cross Section



127

Incident Energy (MeV)

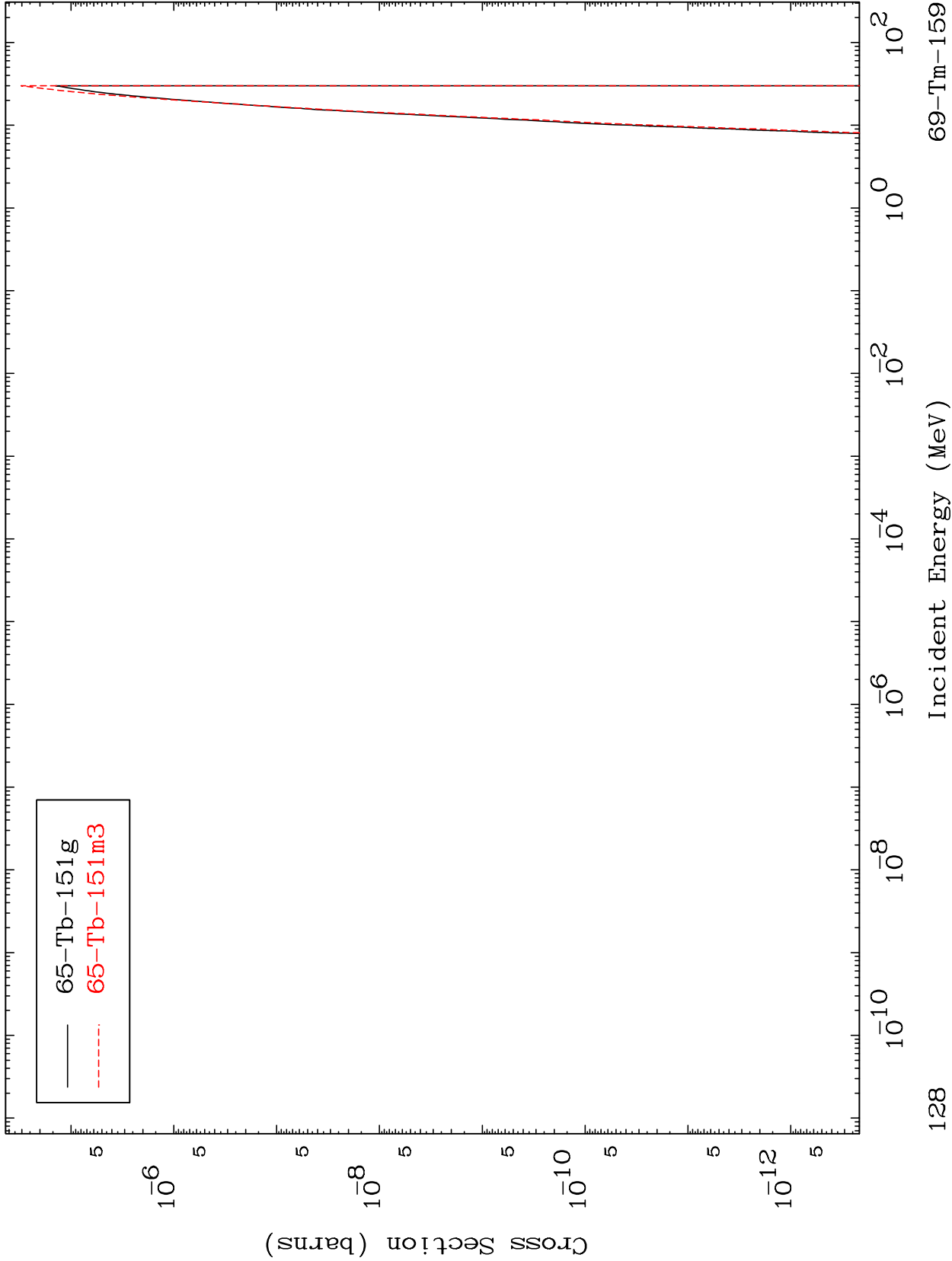
69-Tm-159

MAT 6895

(n,n') 2α

69-Tm-159

Radionuclide Production Cross Section

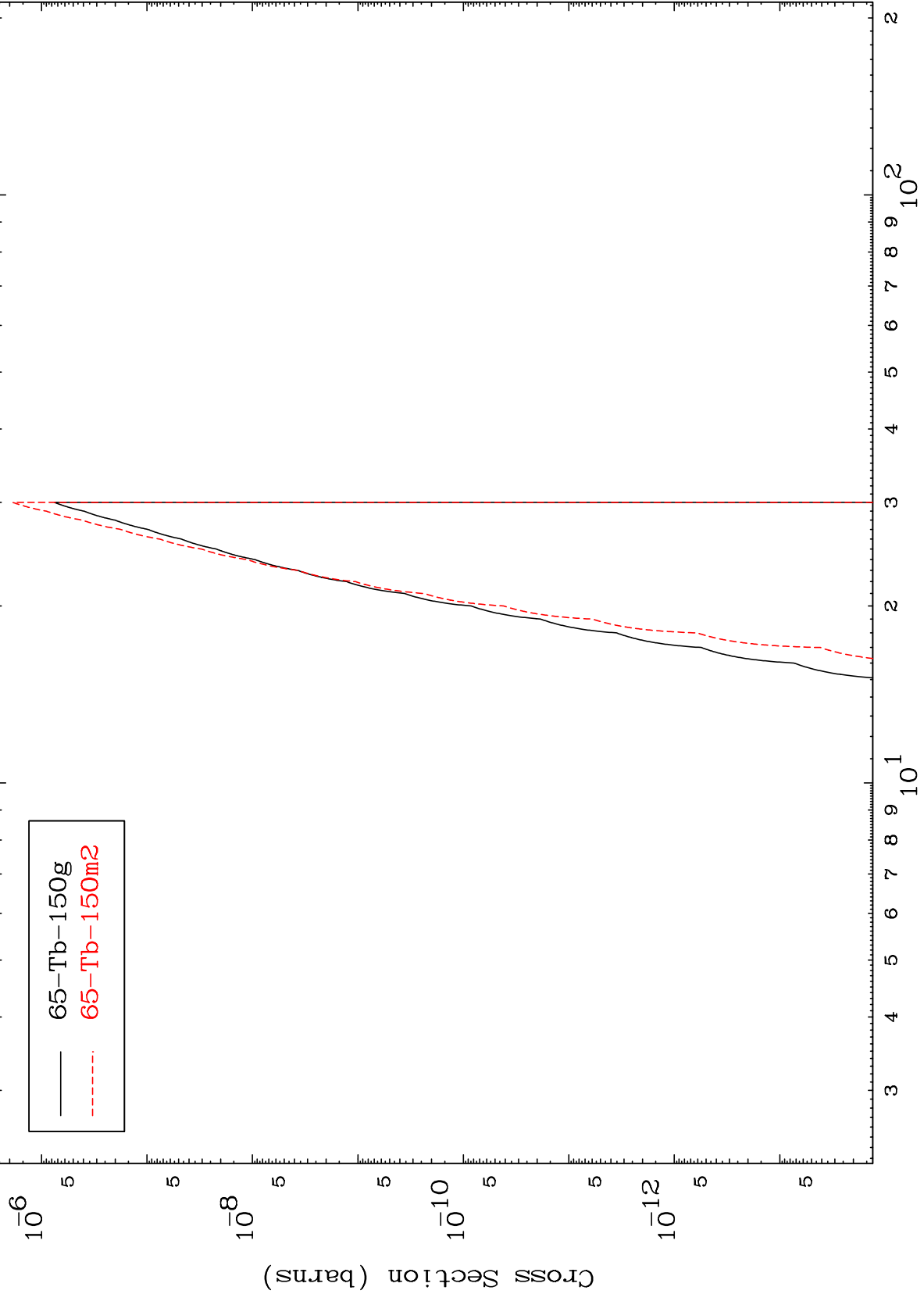


MAT 6895

(n,2n) 2α

69-Tm-159

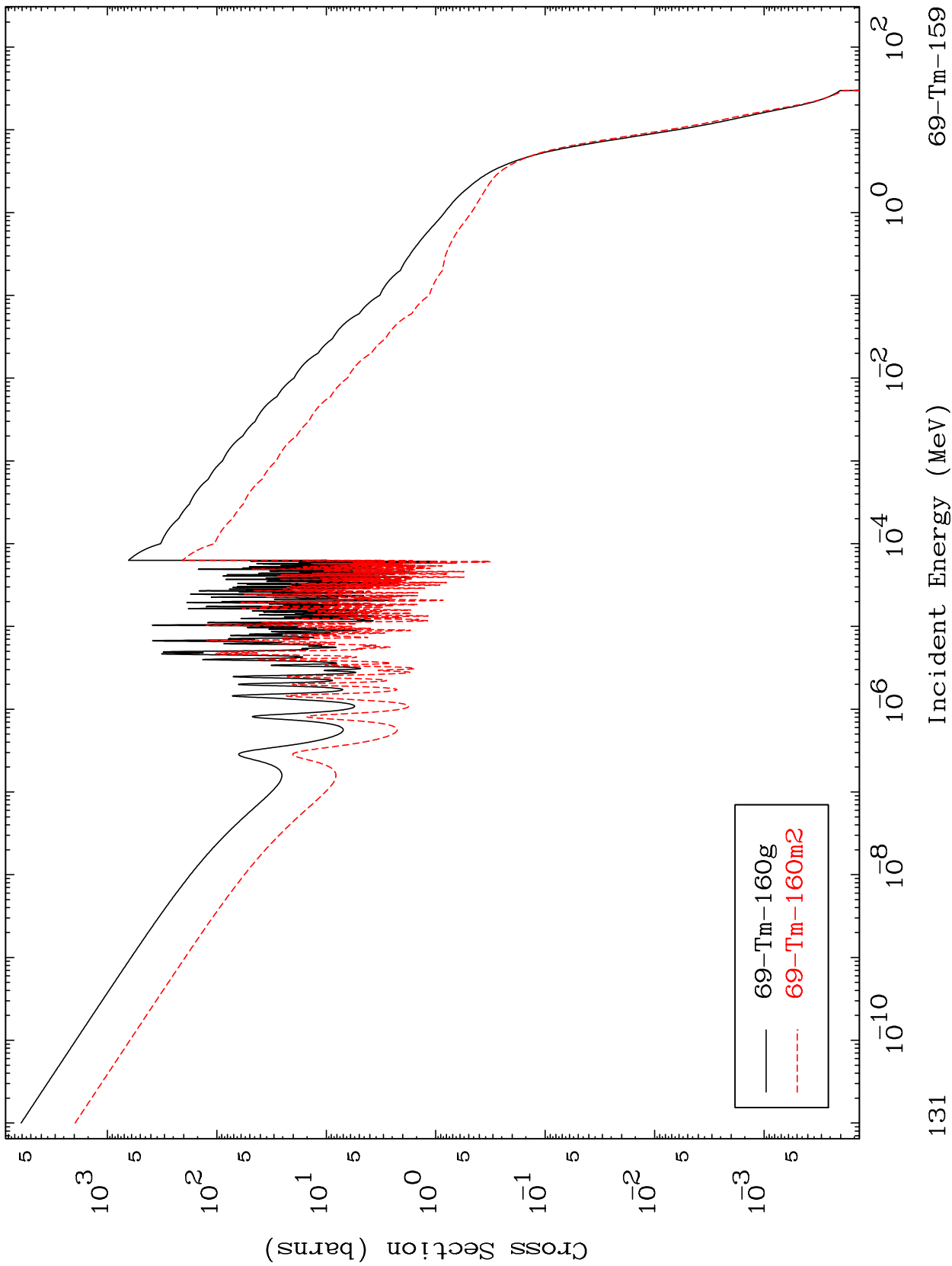
Radionuclide Production Cross Section



MAT 6895

69-Tm-159

(n, γ)
Radionuclide Production Cross Section



131

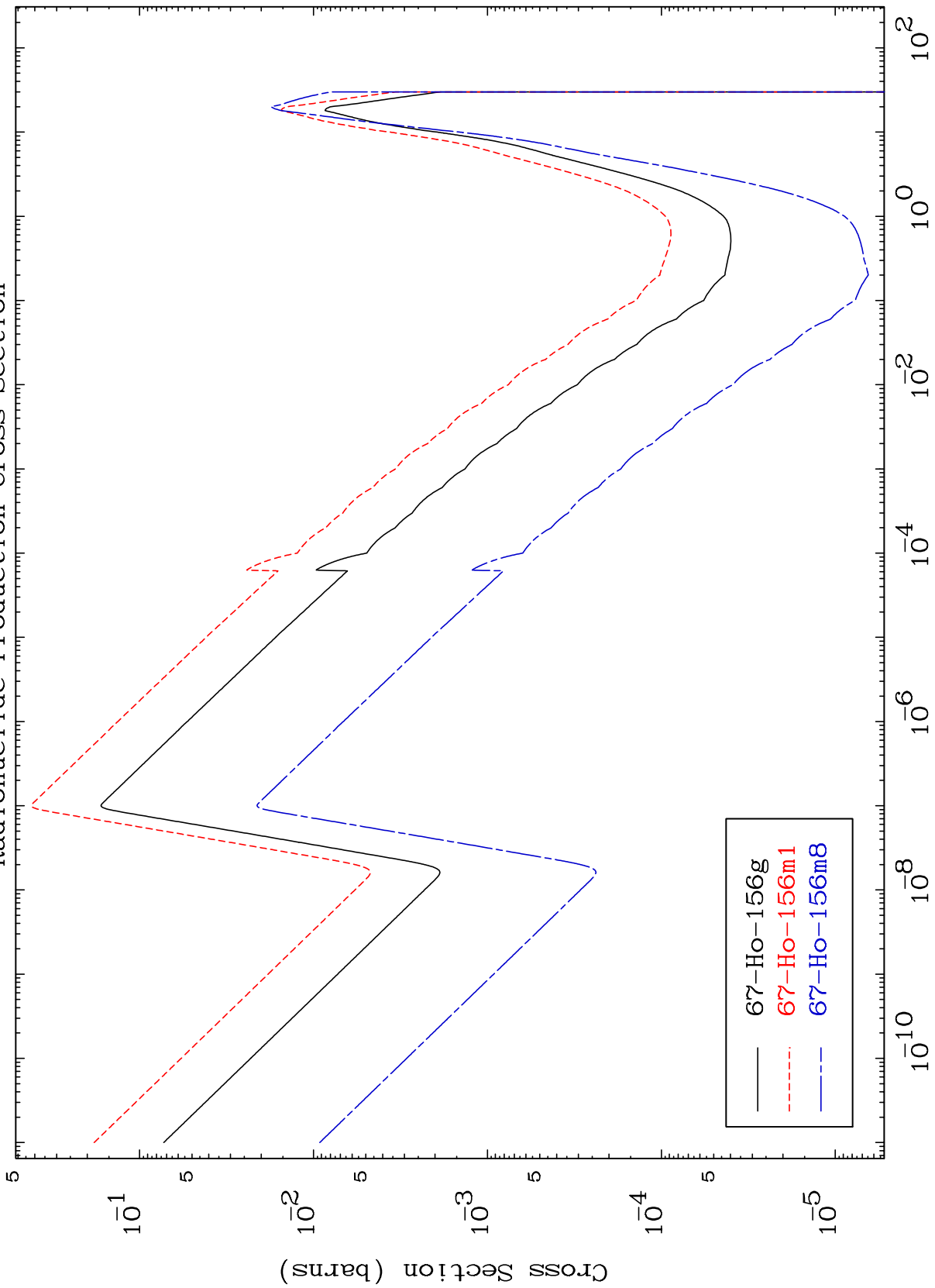
69-Tm-159

MAT 6895

69-Tm-159

Radionuclide Production Cross Section

(n, α)



69-Tm-159

Incident Energy (MeV)

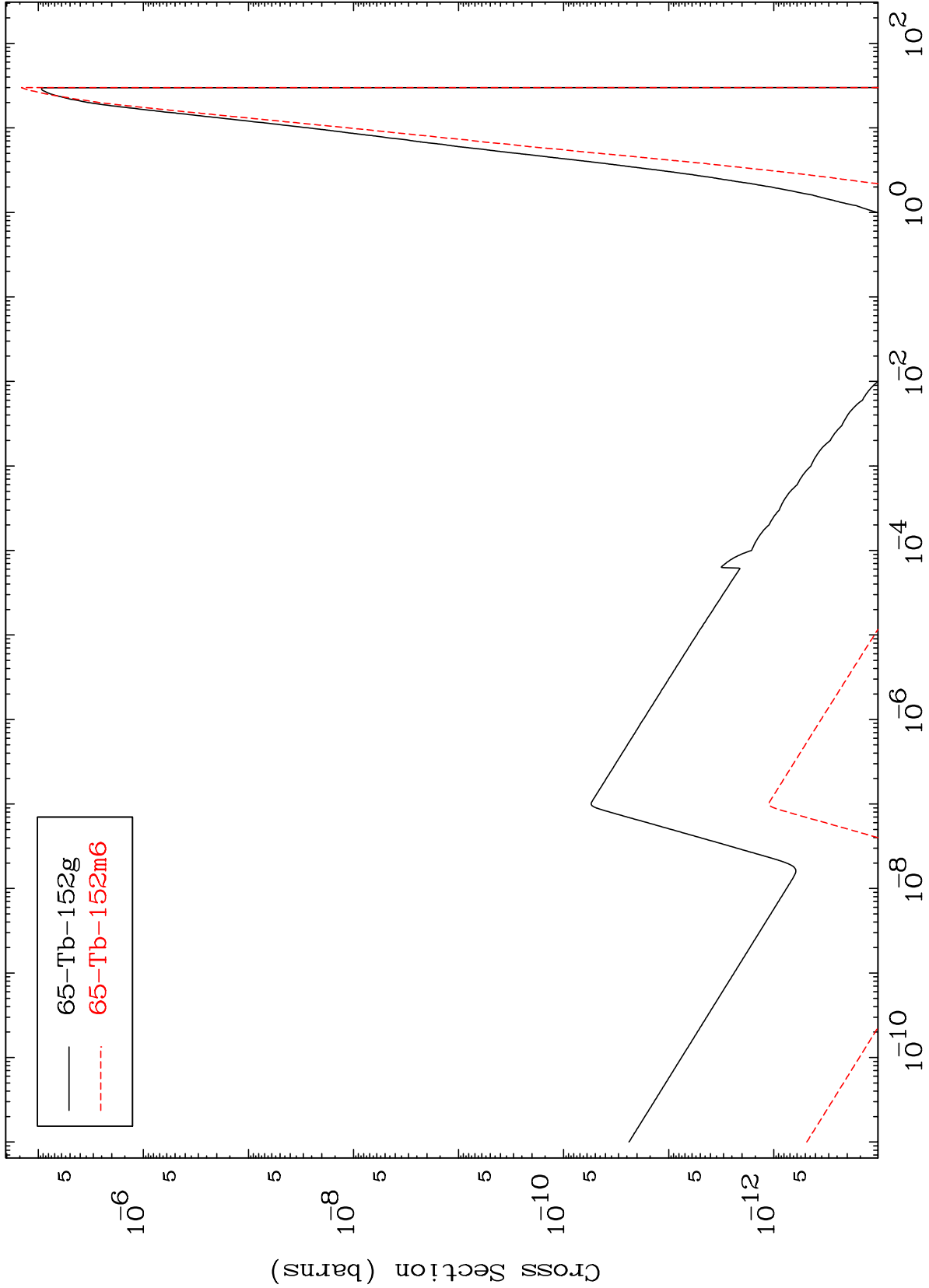
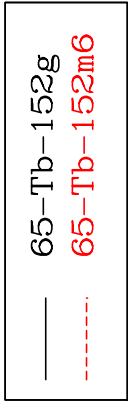
132

MAT 6895

(n,2α)

69-Tm-159

Radionuclide Production Cross Section



133

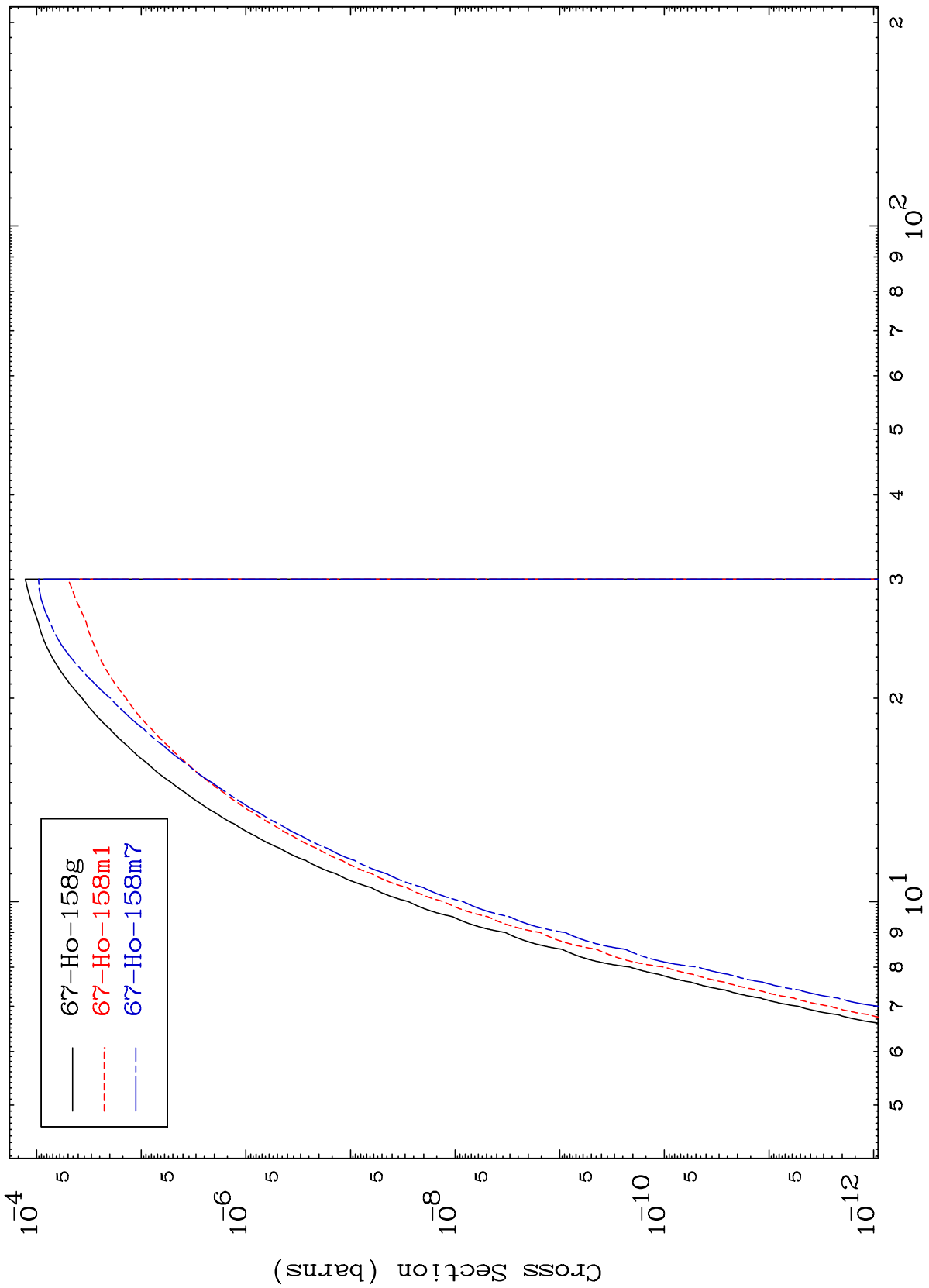
Incident Energy (MeV)

69-Tm-159

MAT 6895

69-Tm-159

(n,2p)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

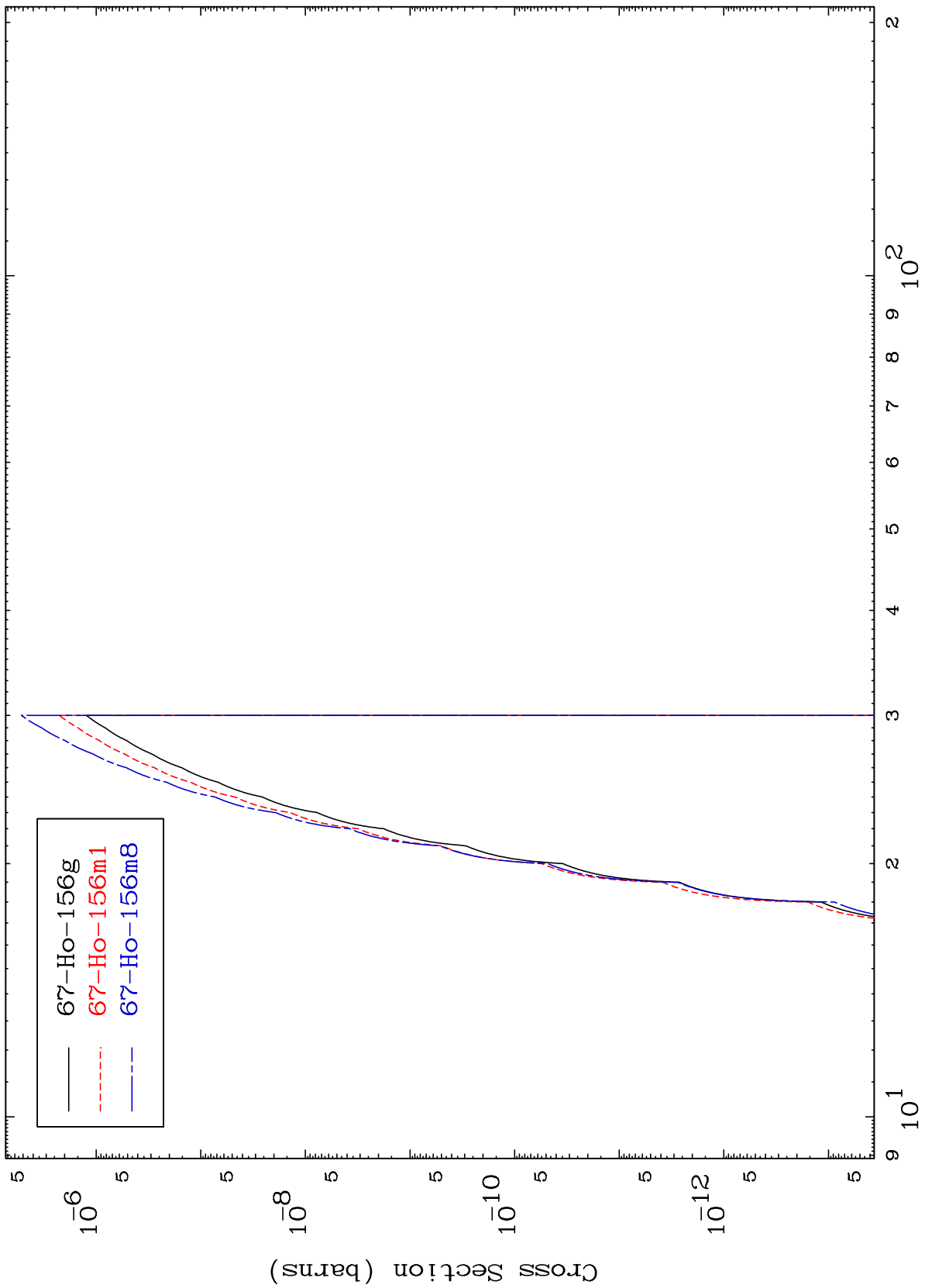
69-Tm-159

MAT 6895

(n,p) t

69-Tm-159

Radionuclide Production Cross Section



Incident Energy (MeV)

69-Tm-159

135