

Program EVALPLOT
(Version 2017-1)

by

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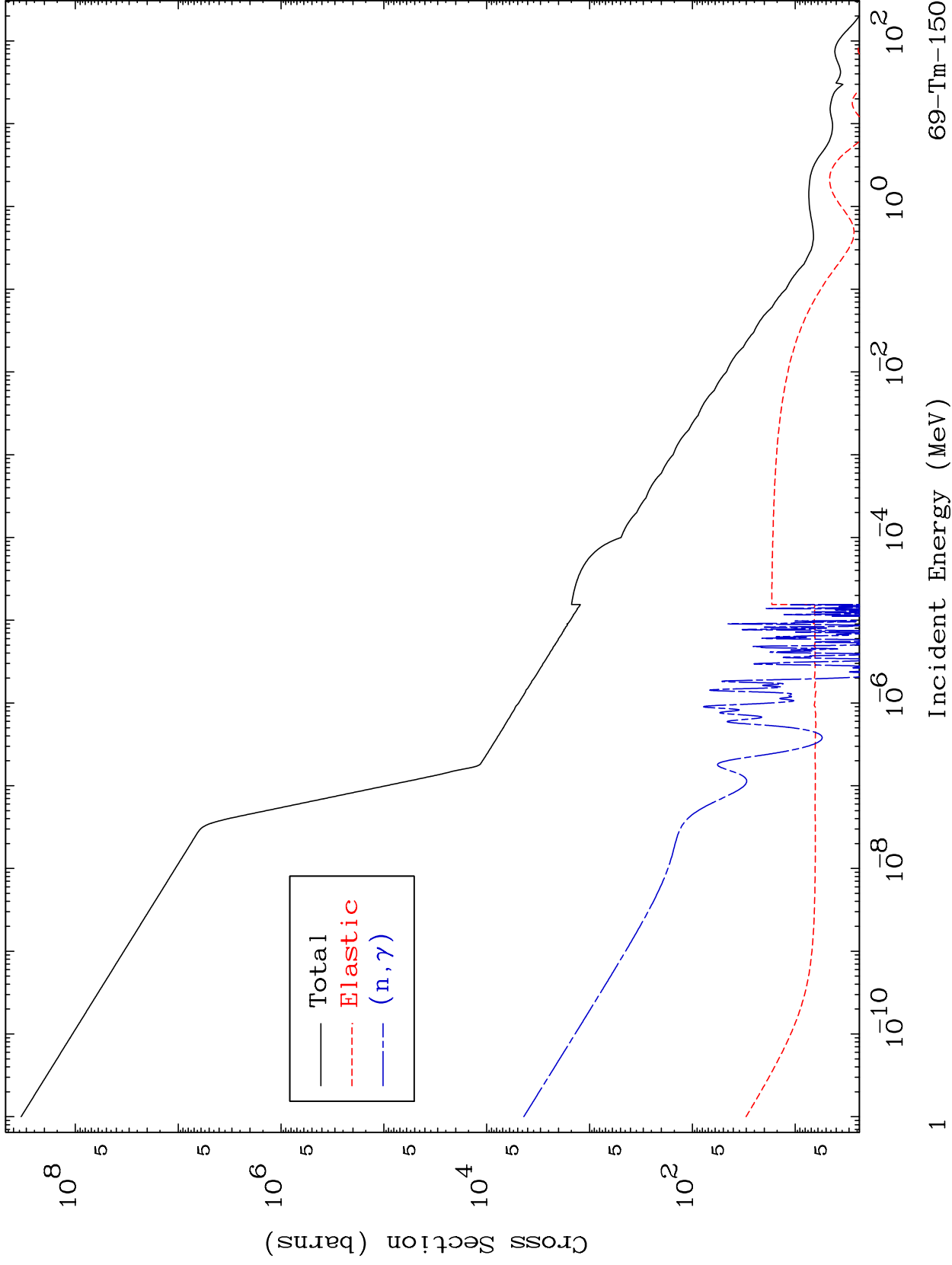
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6868

Major
293 Kelvin Cross Sections

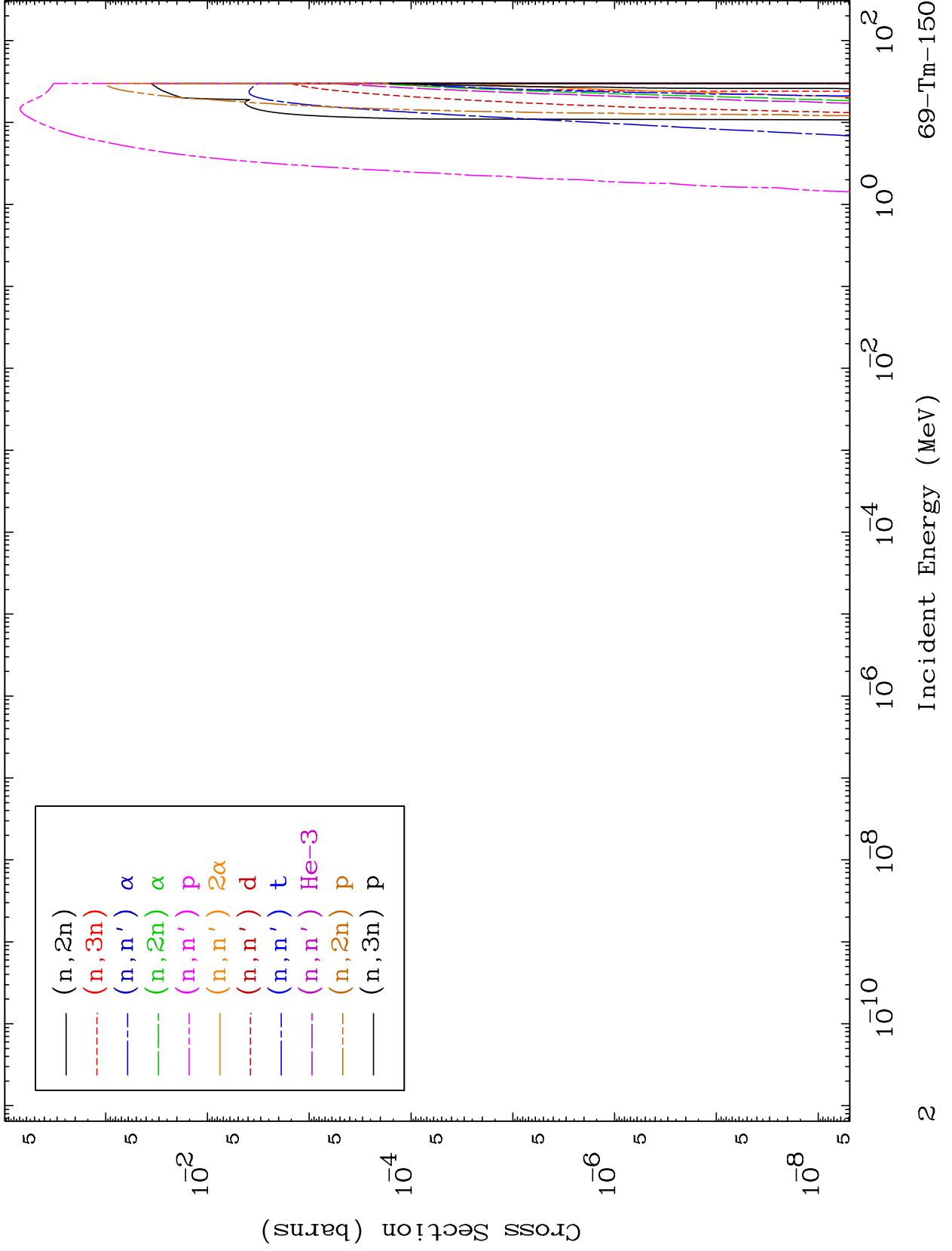
69-Tm-150



MAT 6868

Neutron Production
293 Kelvin Cross Sections

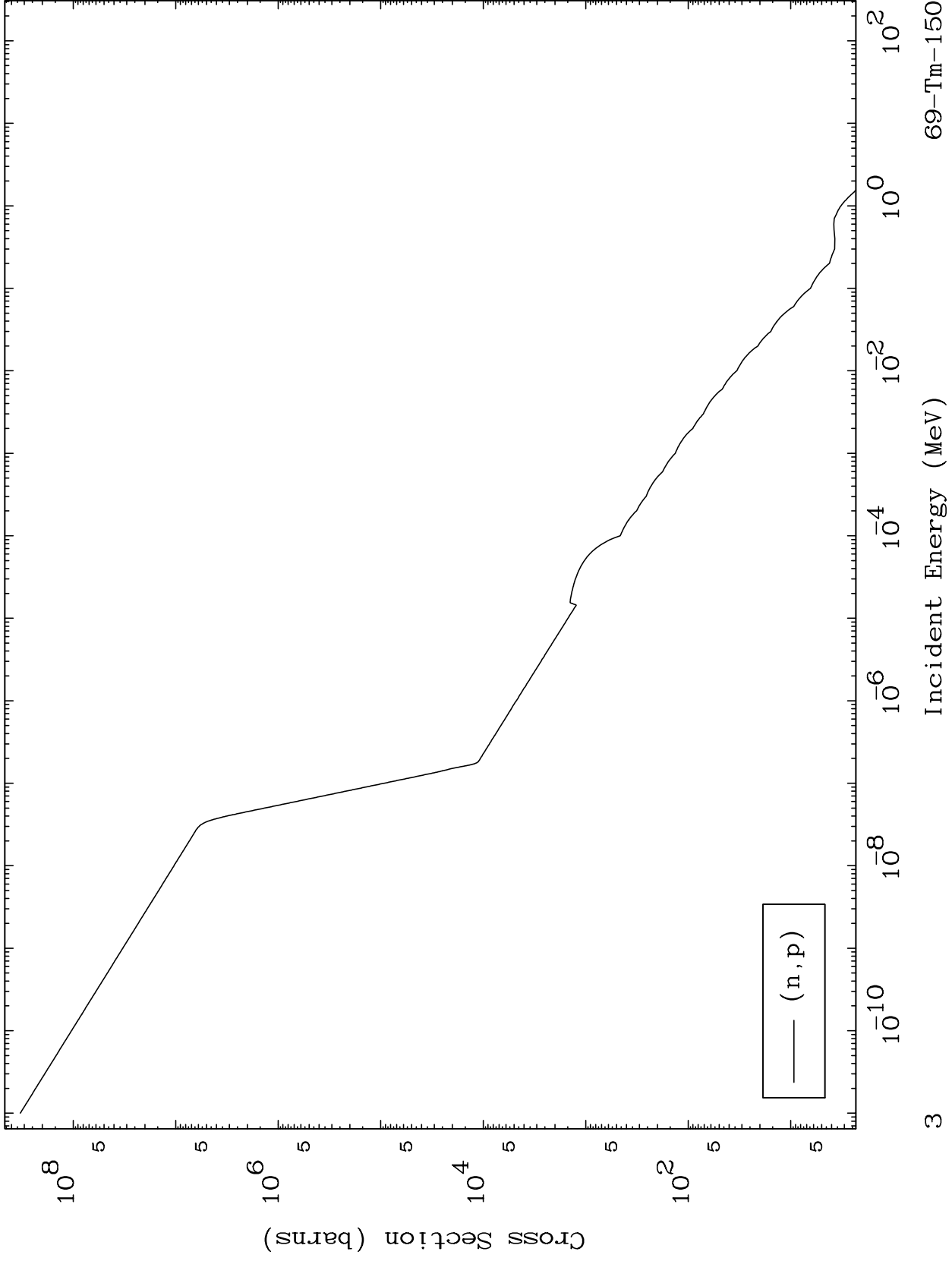
69-Tm-150

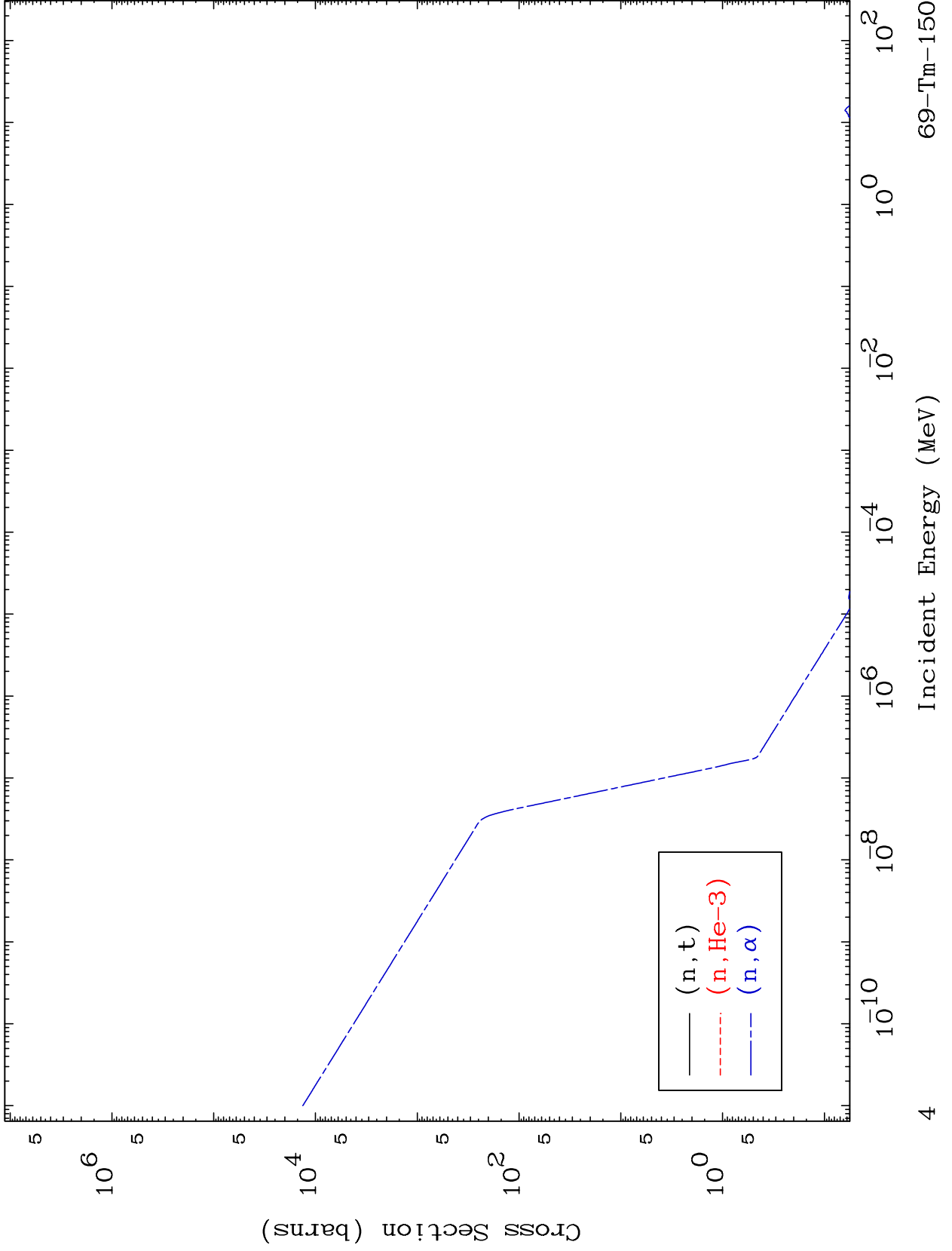


MAT 6868

Charged Particle
293 Kelvin Cross Sections

69-Tm-150

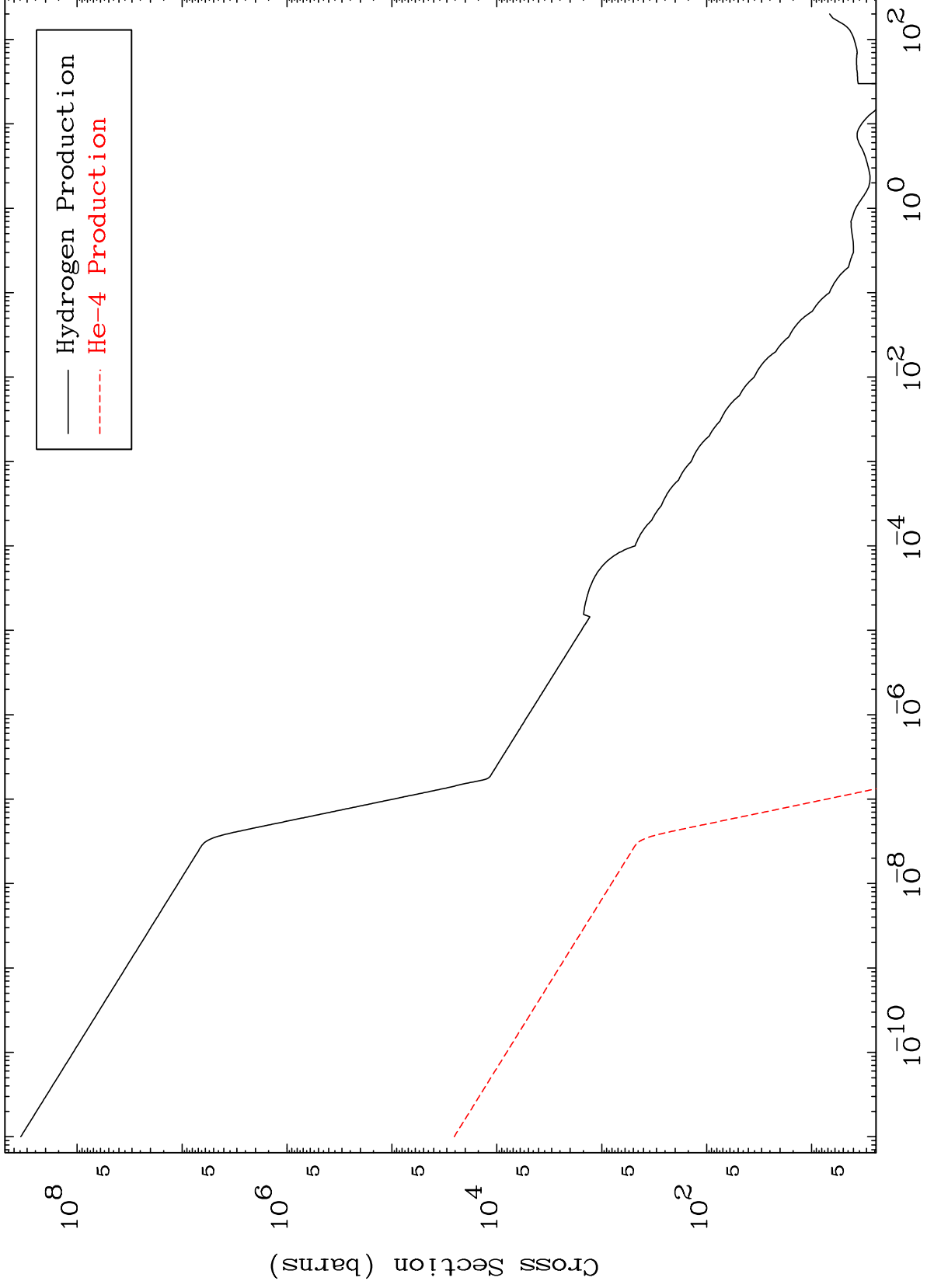




MAT 6868

Particle Production
293 Kelvin Cross Sections

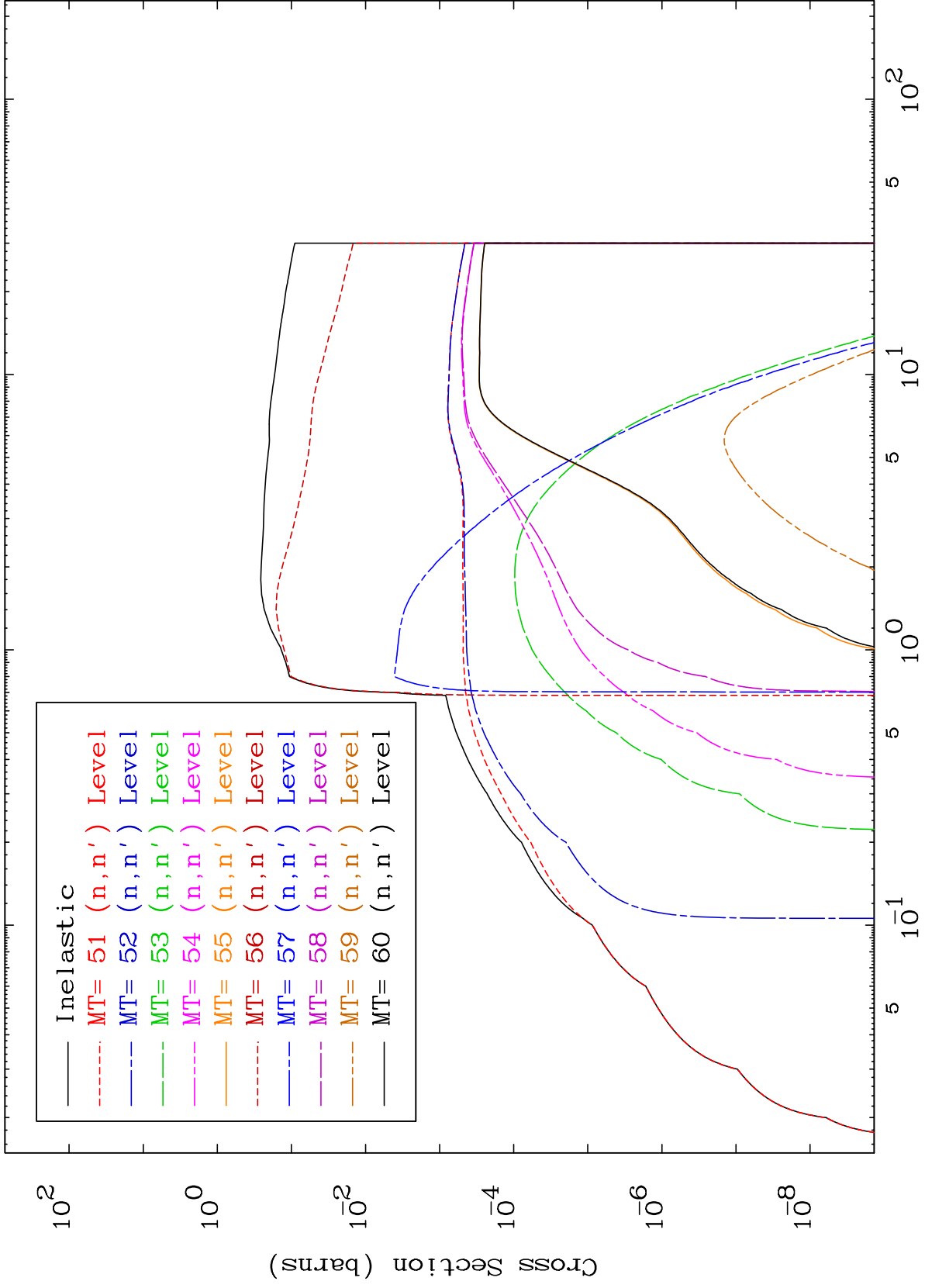
69-Tm-150



MAT 6868

293 Kelvin Cross Sections

69-Tm-150



MAT 6868

(n,n') Level

69-Tm-150

293 Kelvin Cross Sections

10^6

10^3

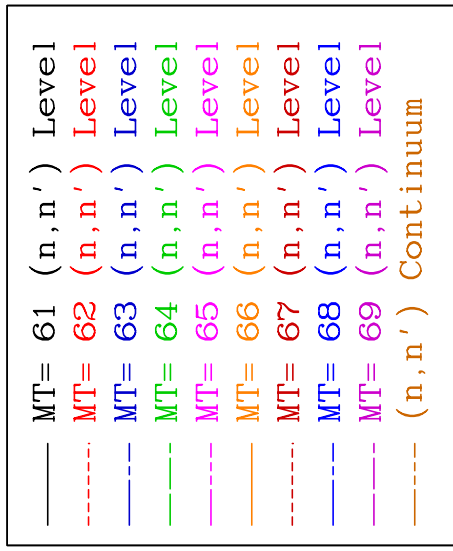
10^0

10^{-3}

10^{-6}

10^{-9}

Cross Section (barns)



8 10⁰ 2 4 6 8 10² 2

Incident Energy (MeV)

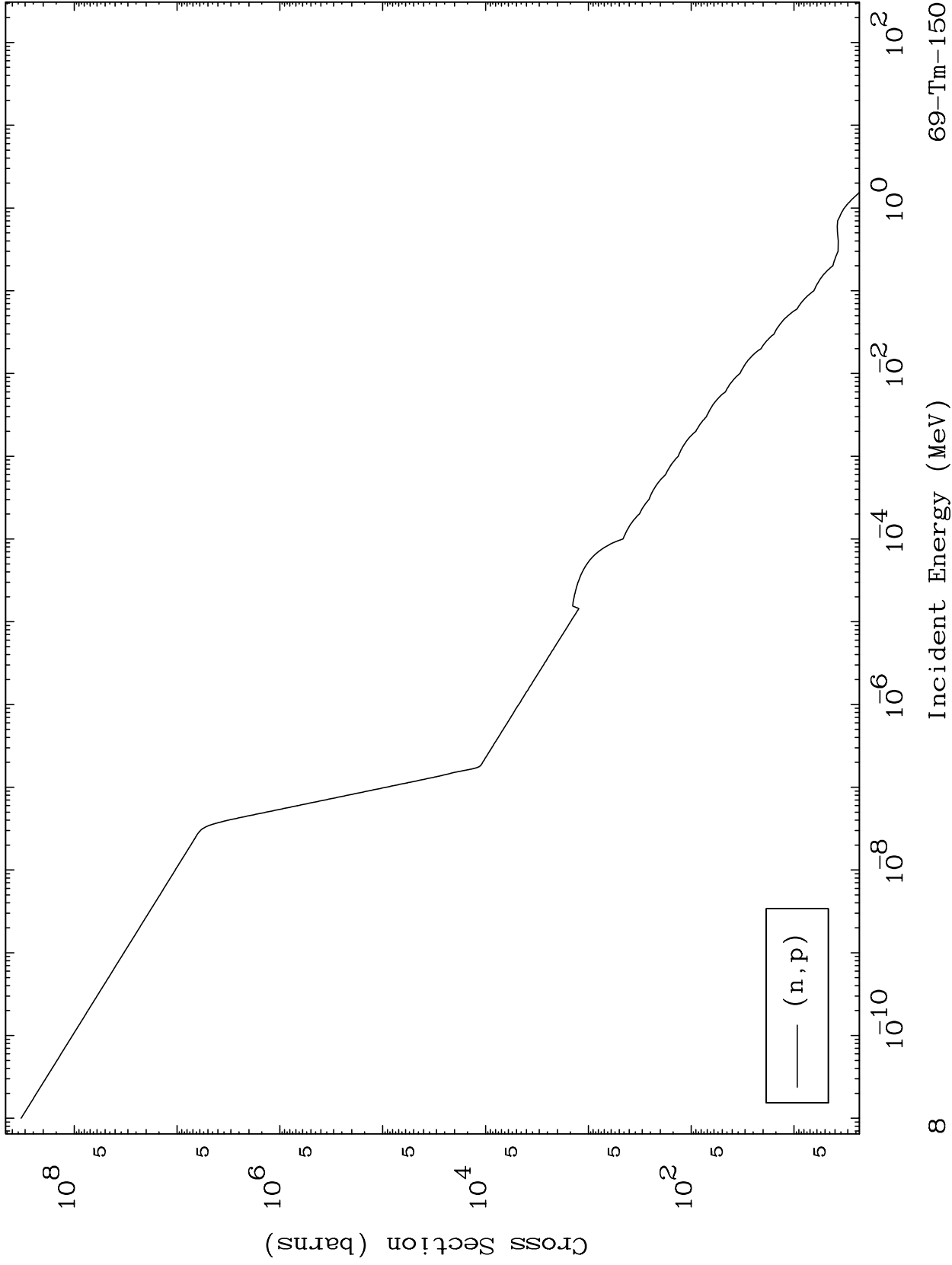
69-Tm-150

7

MAT 6868

(n,p) Levels
293 Kelvin Cross Sections

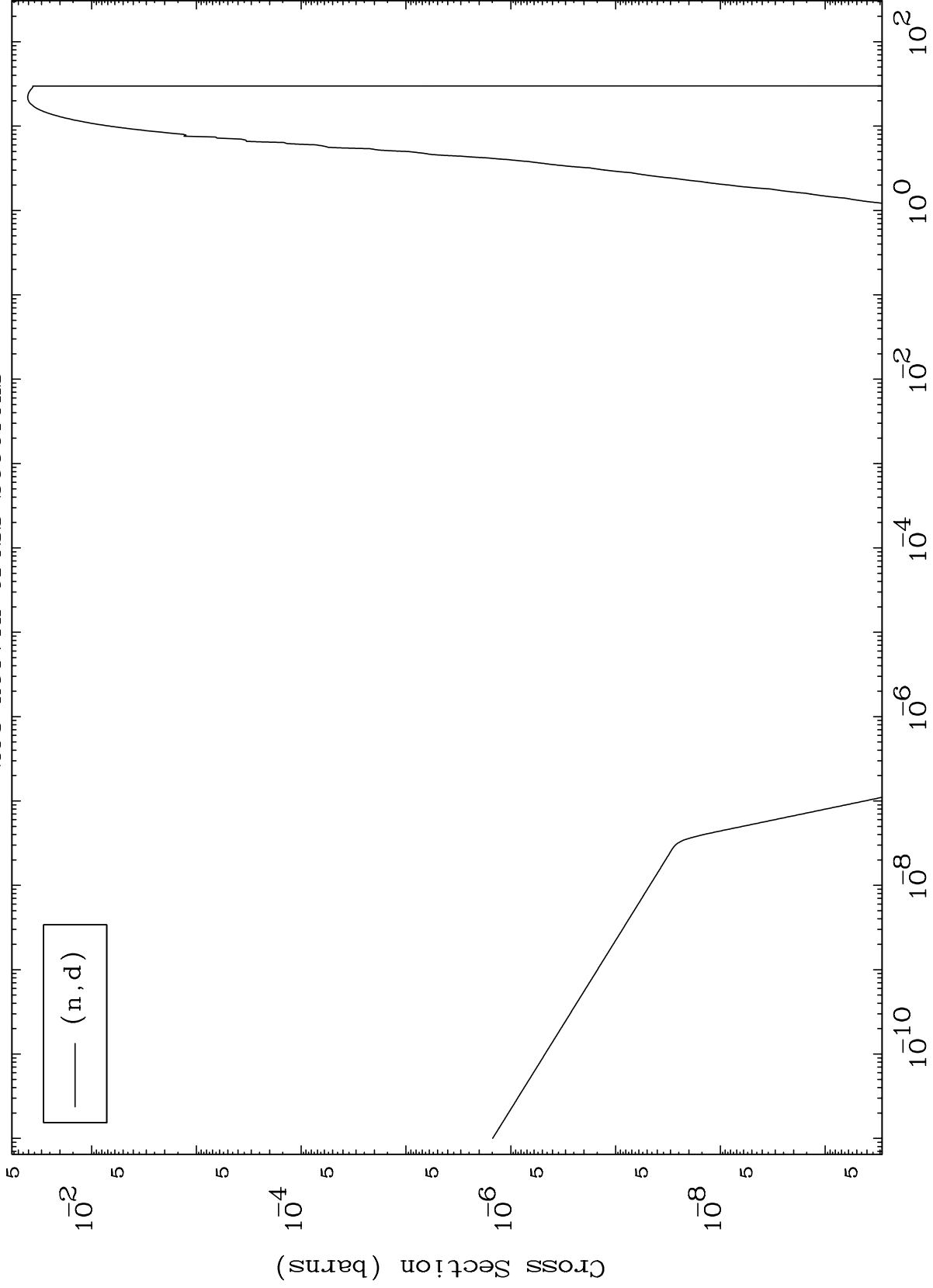
69-Tm-150



MAT 6868

(n,d) Levels
293 Kelvin Cross Sections

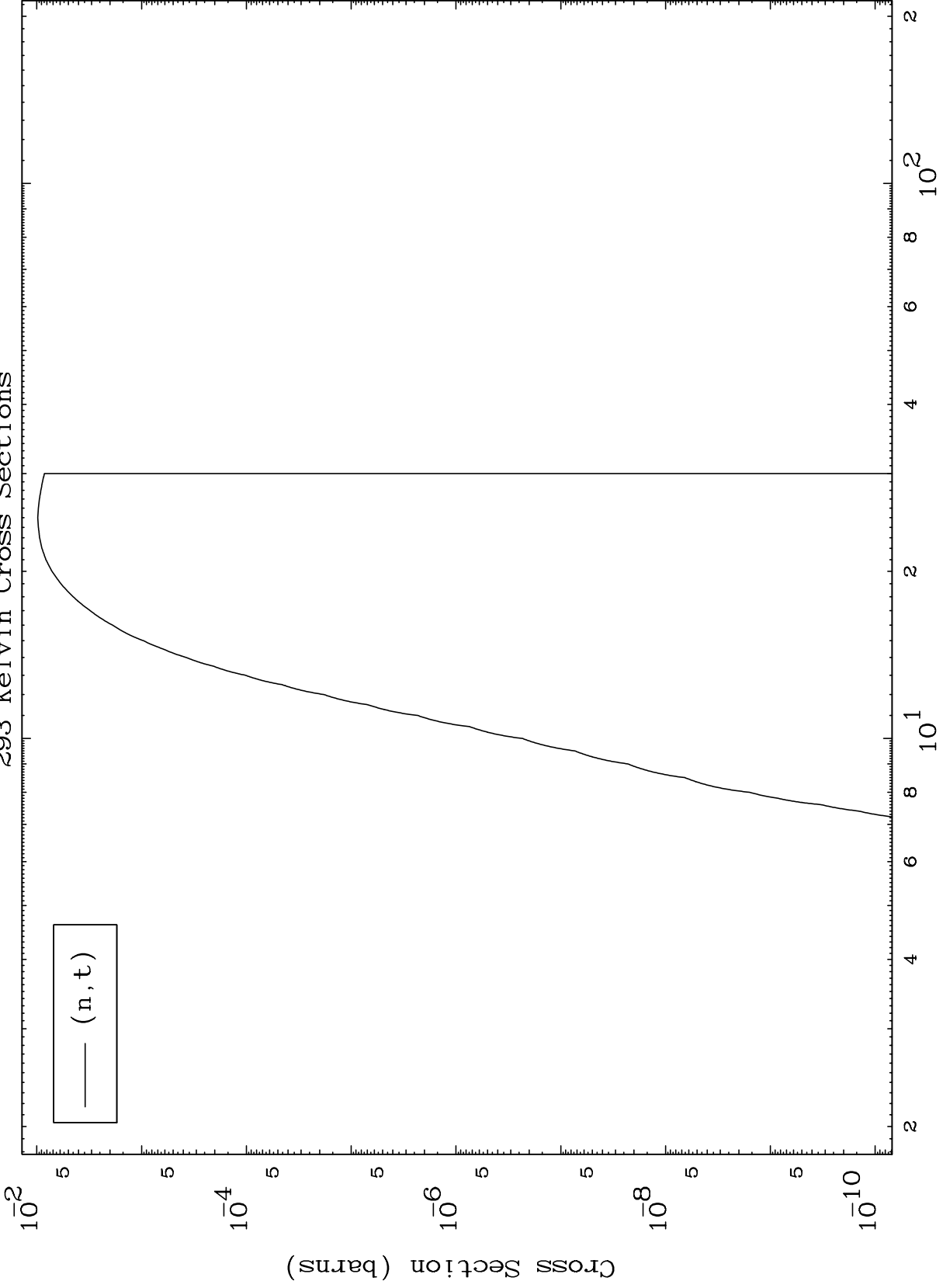
69-Tm-150



MAT 6868

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-150



10

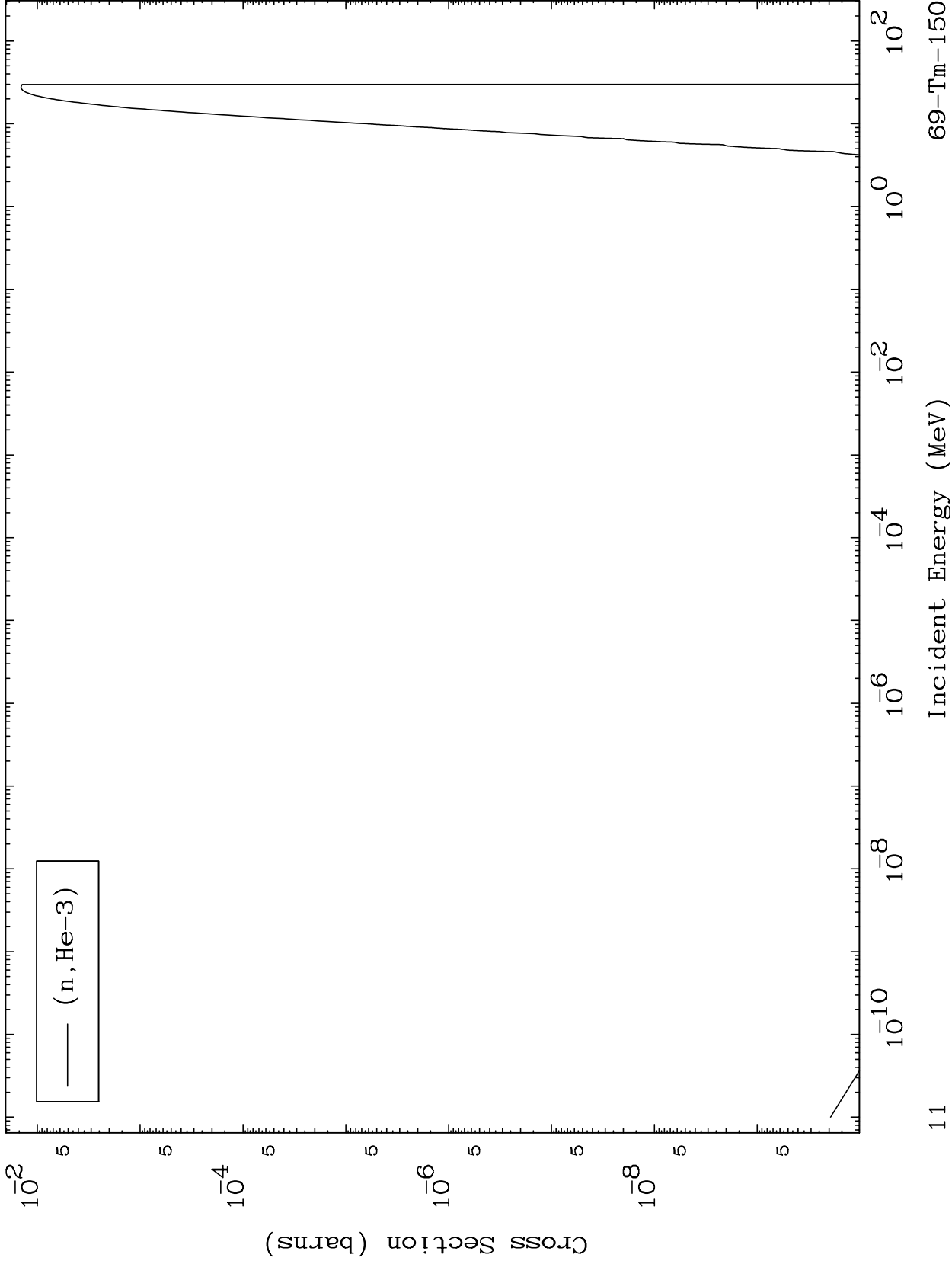
Incident Energy (MeV)

69-Tm-150

MAT 6868

(n,He3) Levels
293 Kelvin Cross Sections

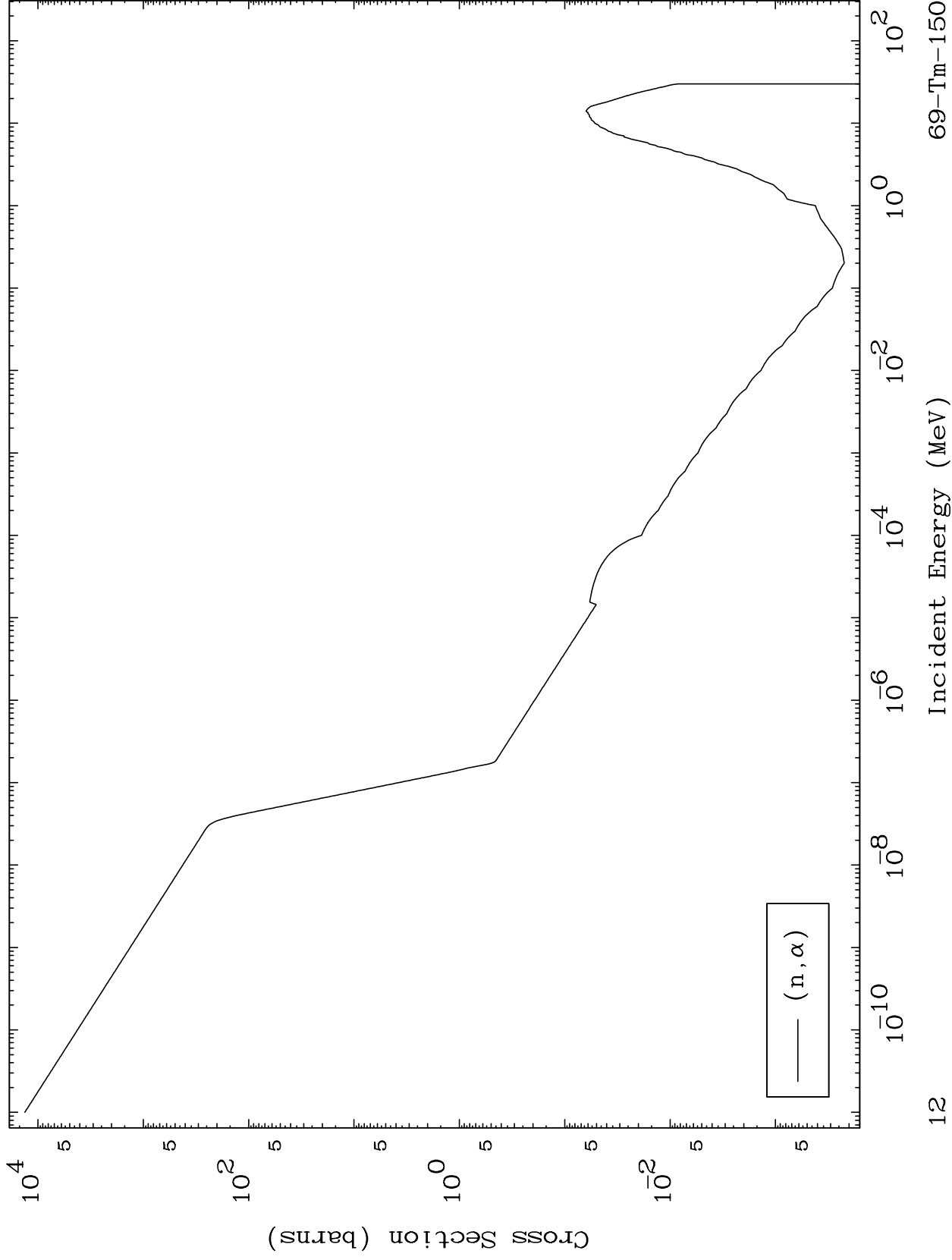
69-Tm-150

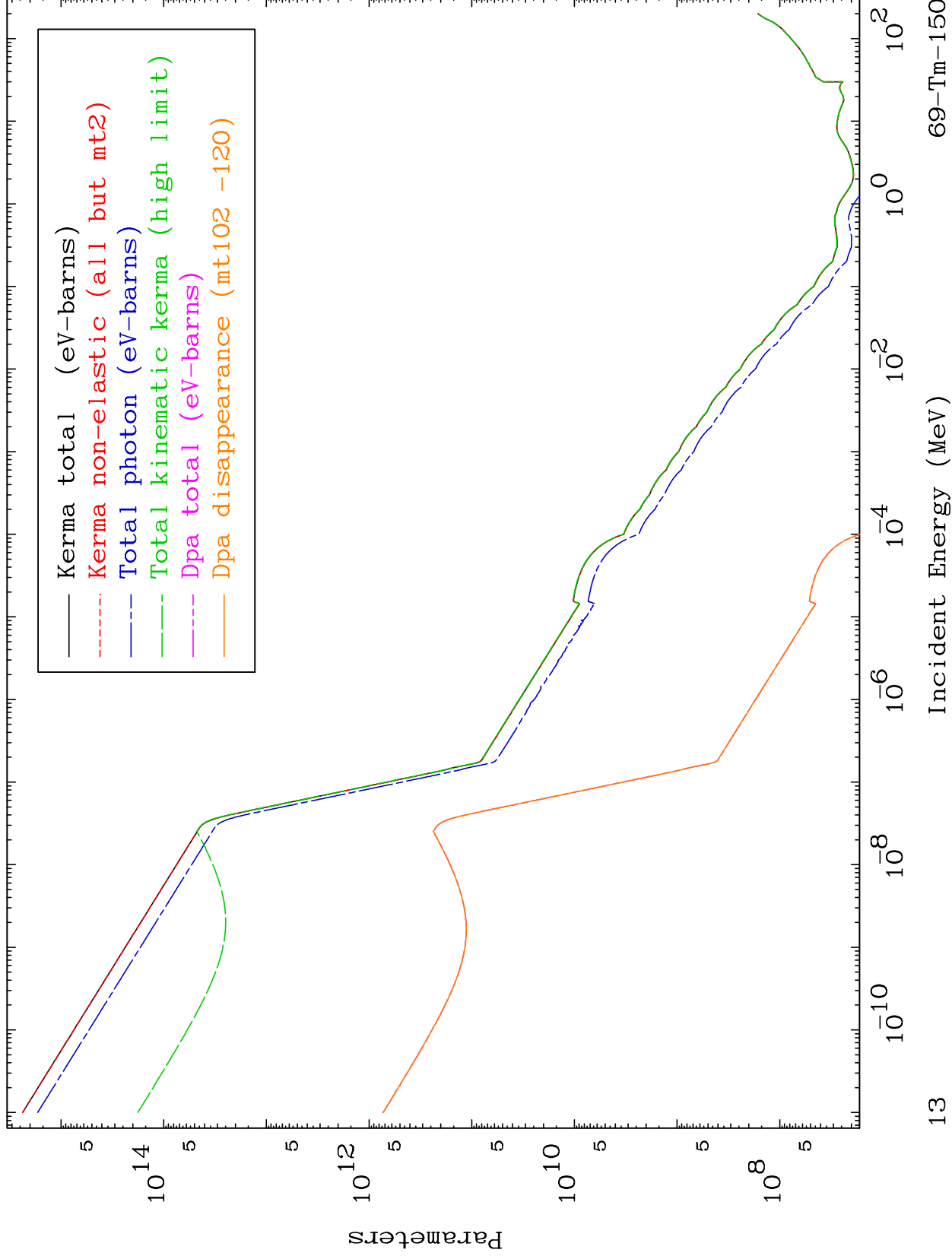


MAT 6868

(n, α) Levels
293 Kelvin Cross Sections

69-Tm-150

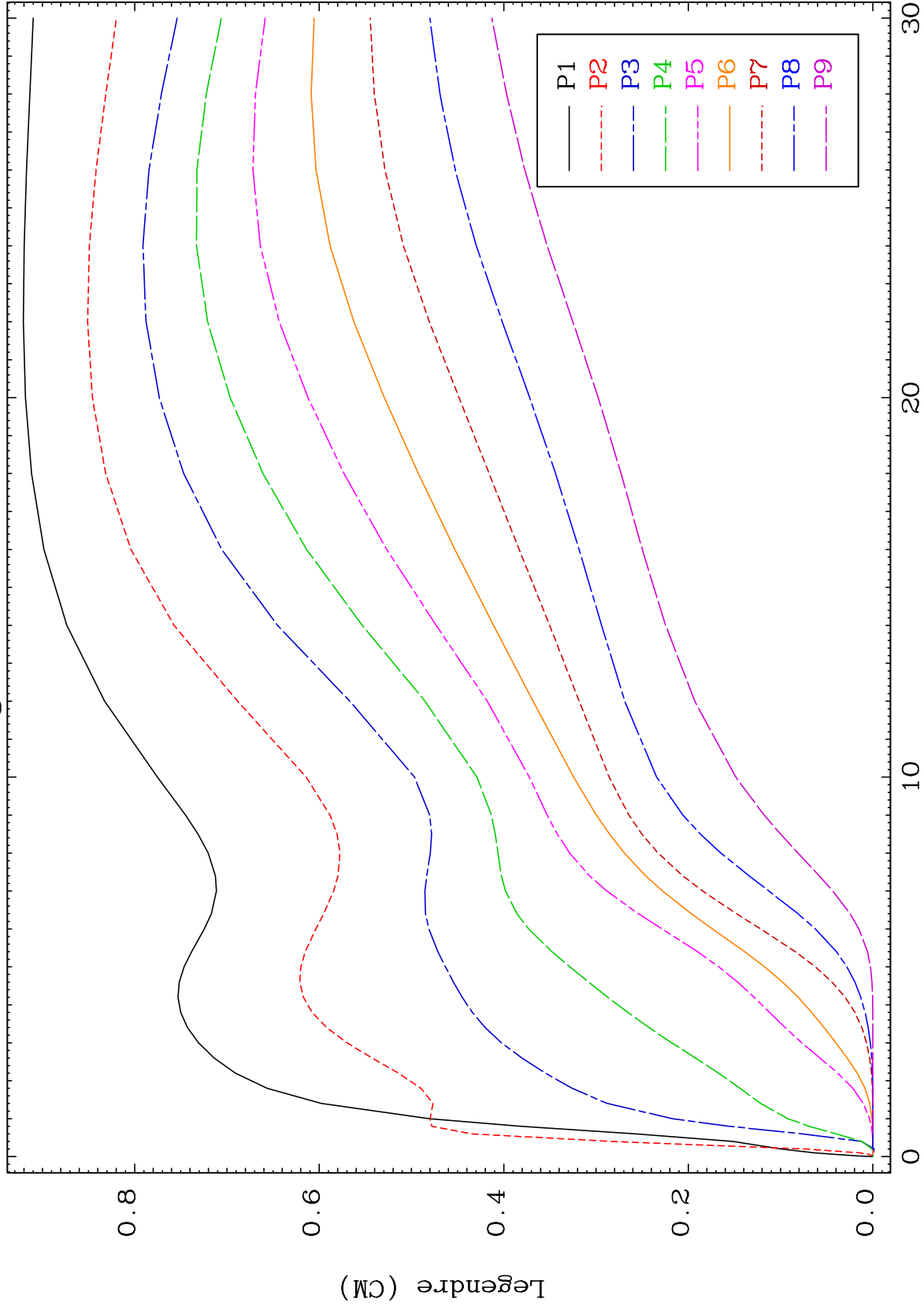




MAT 6868

Elastic Legendre Coefficients

69-Tm-150



14

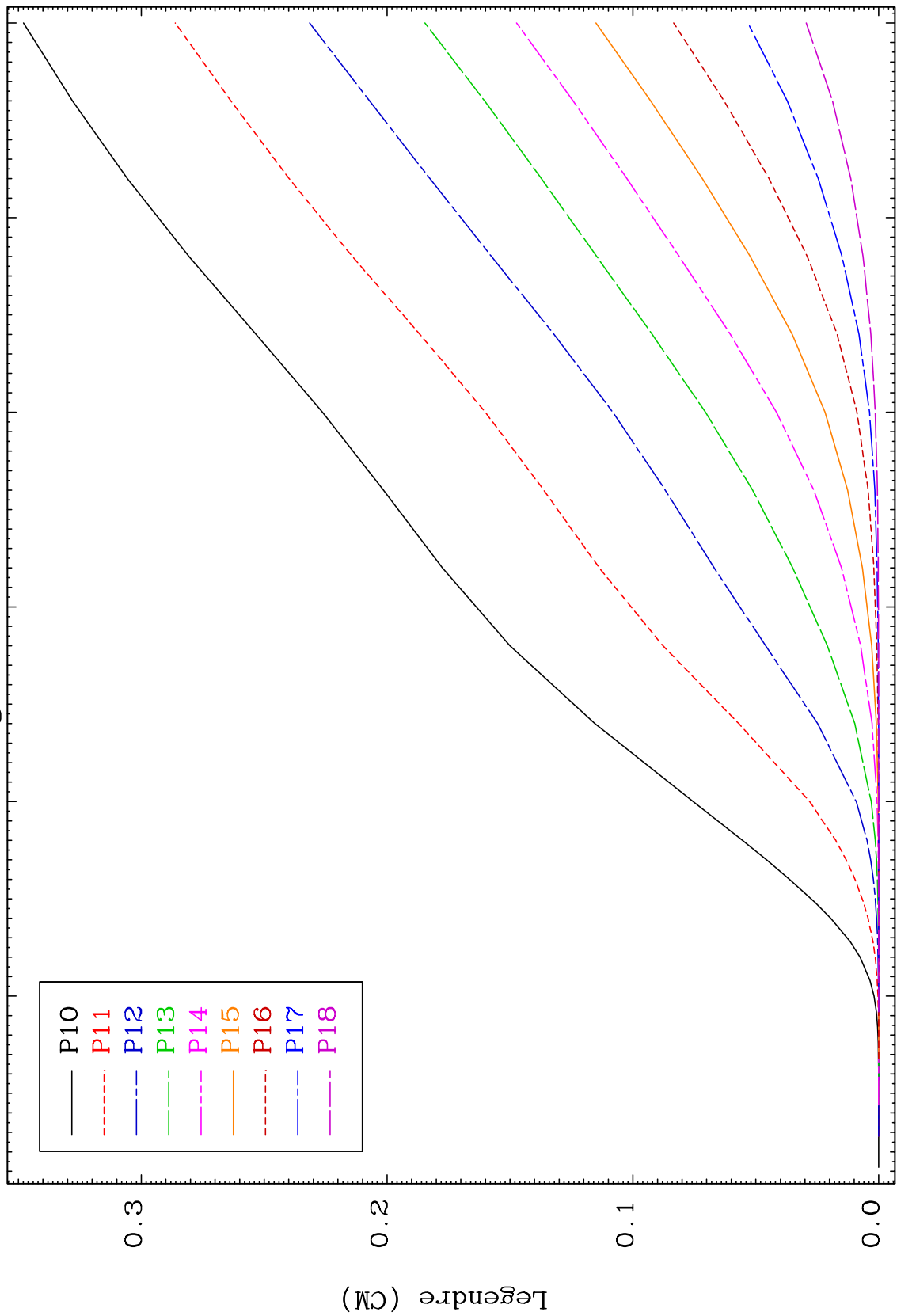
Incident Energy (MeV)

69-Tm-150

MAT 6868

Elastic Legendre Coefficients

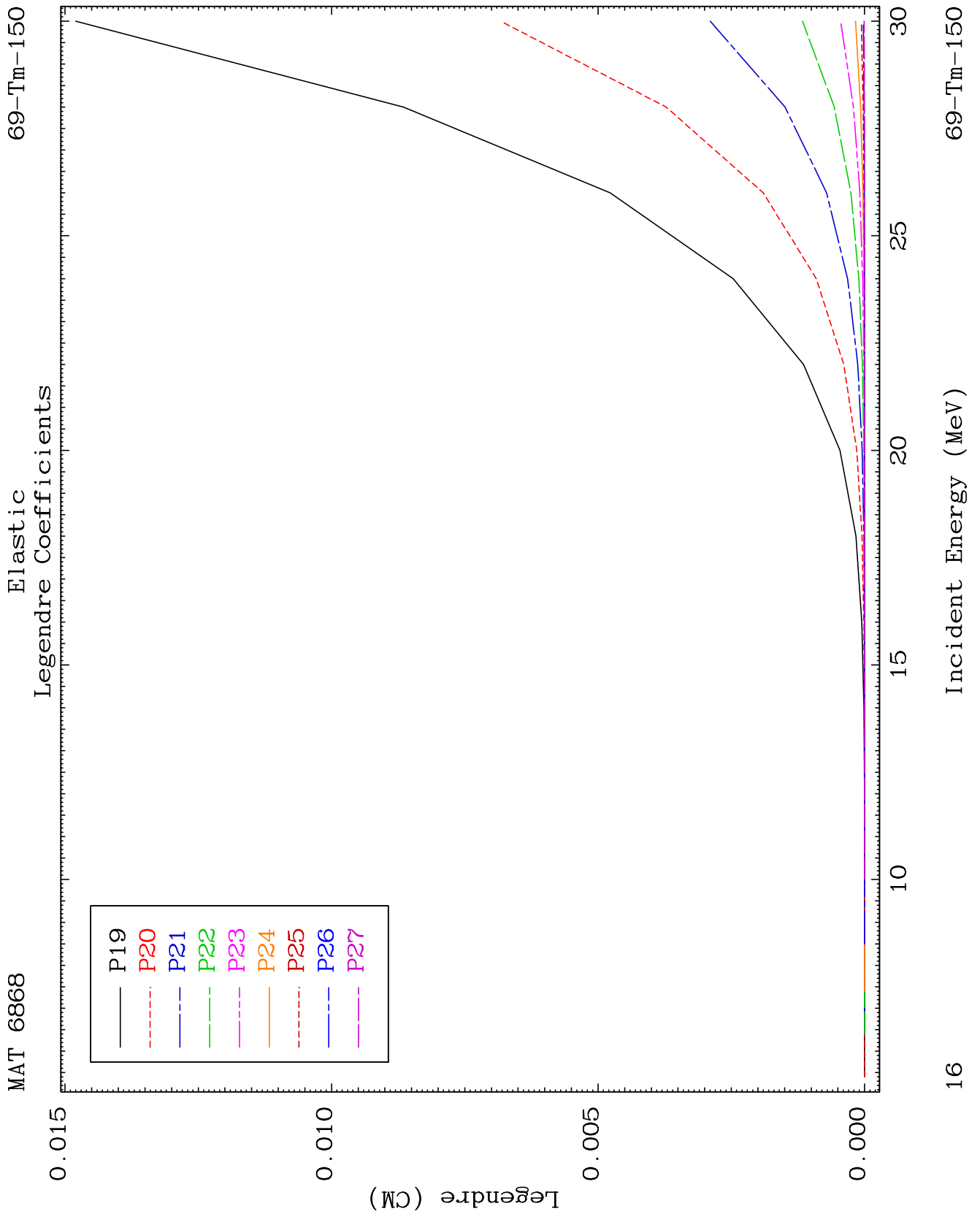
69-Tm-150



15

Incident Energy (MeV)

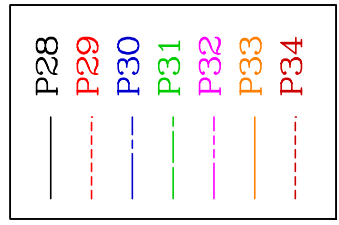
69-Tm-150



MAT 6868

Elastic
Legendre Coefficients

69-Tm-150



$\times 10^{-6}$
2.0
1.5

Legendre (CM)

1.0
0.5
0.0

10

15

20

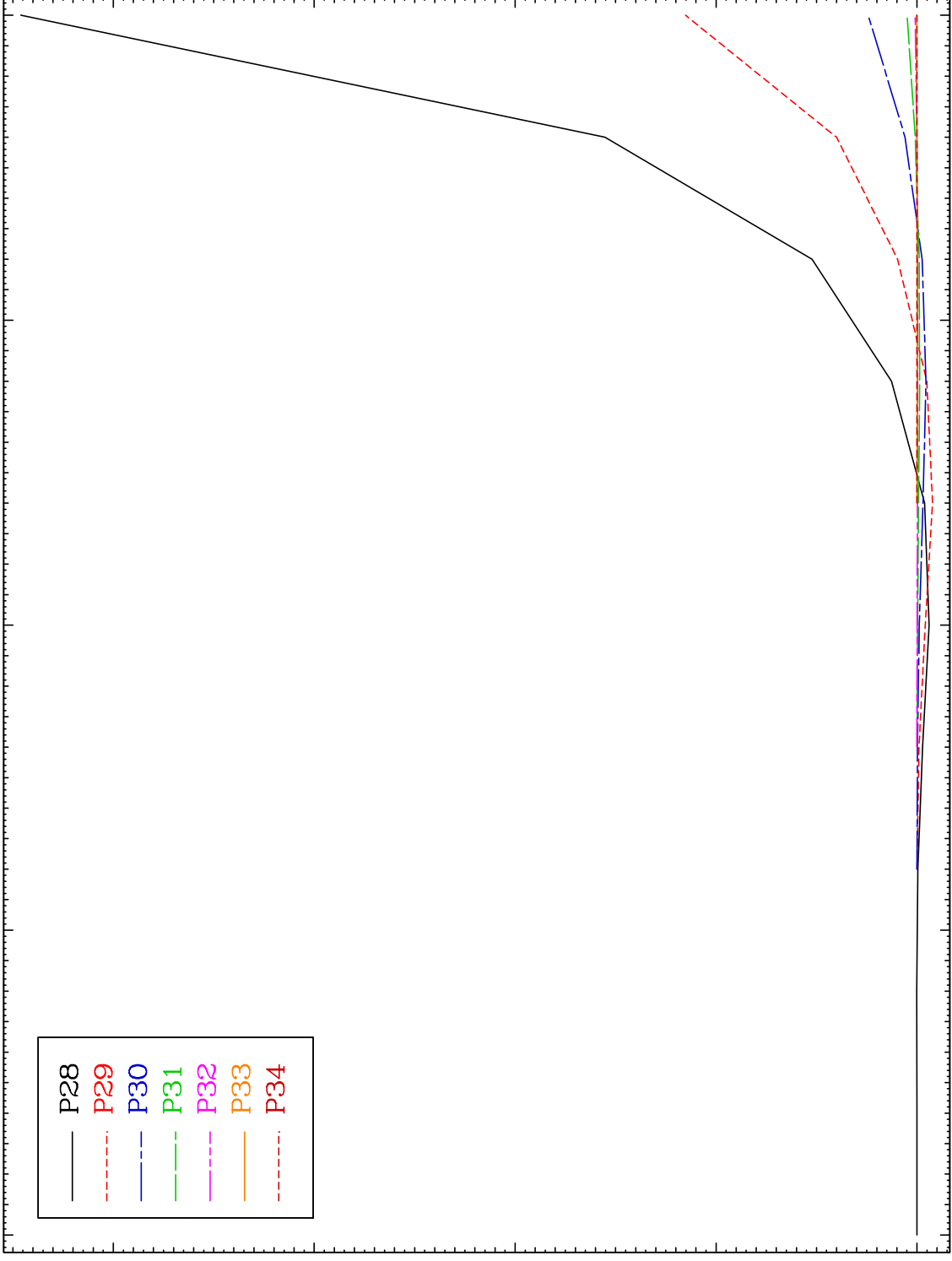
25

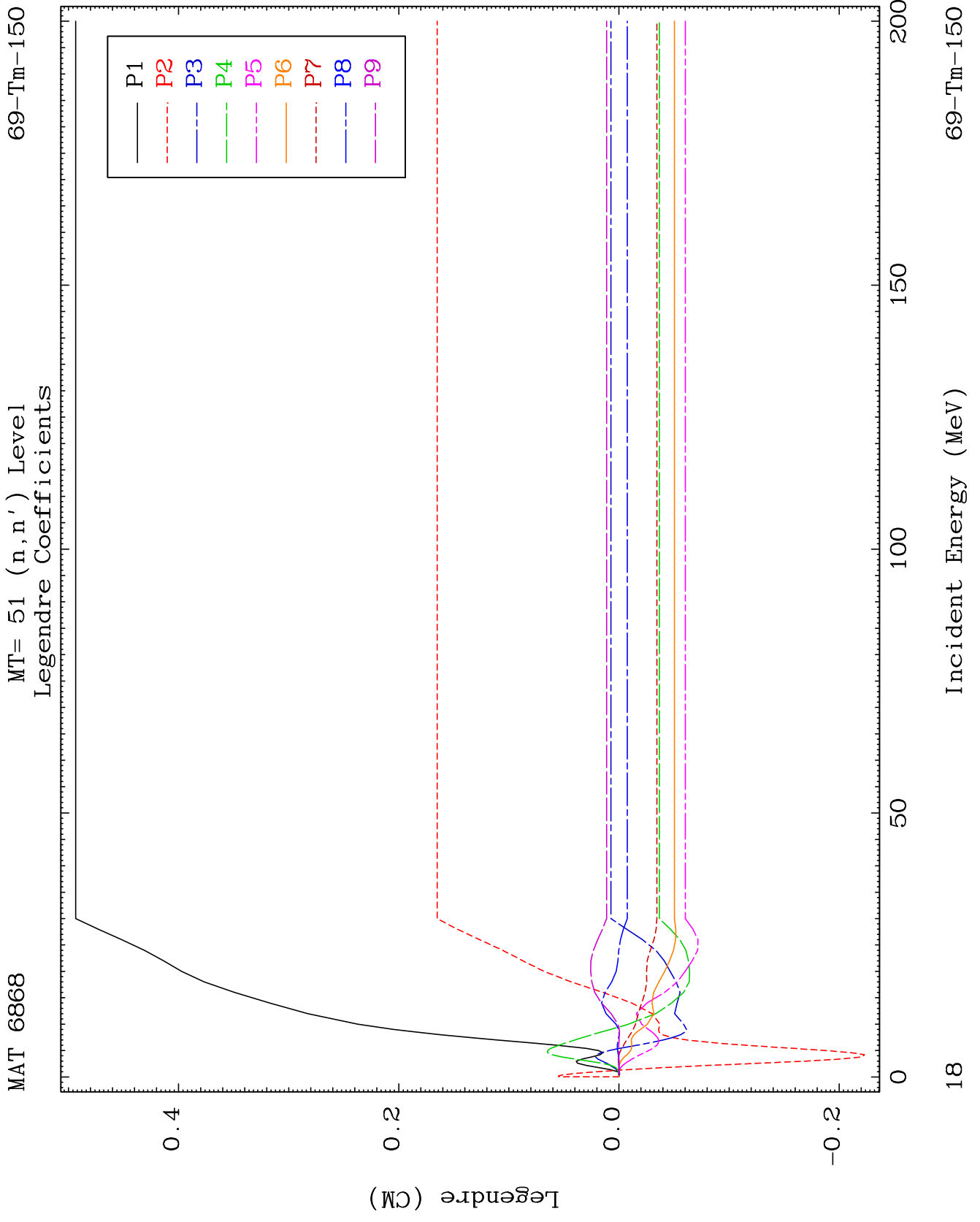
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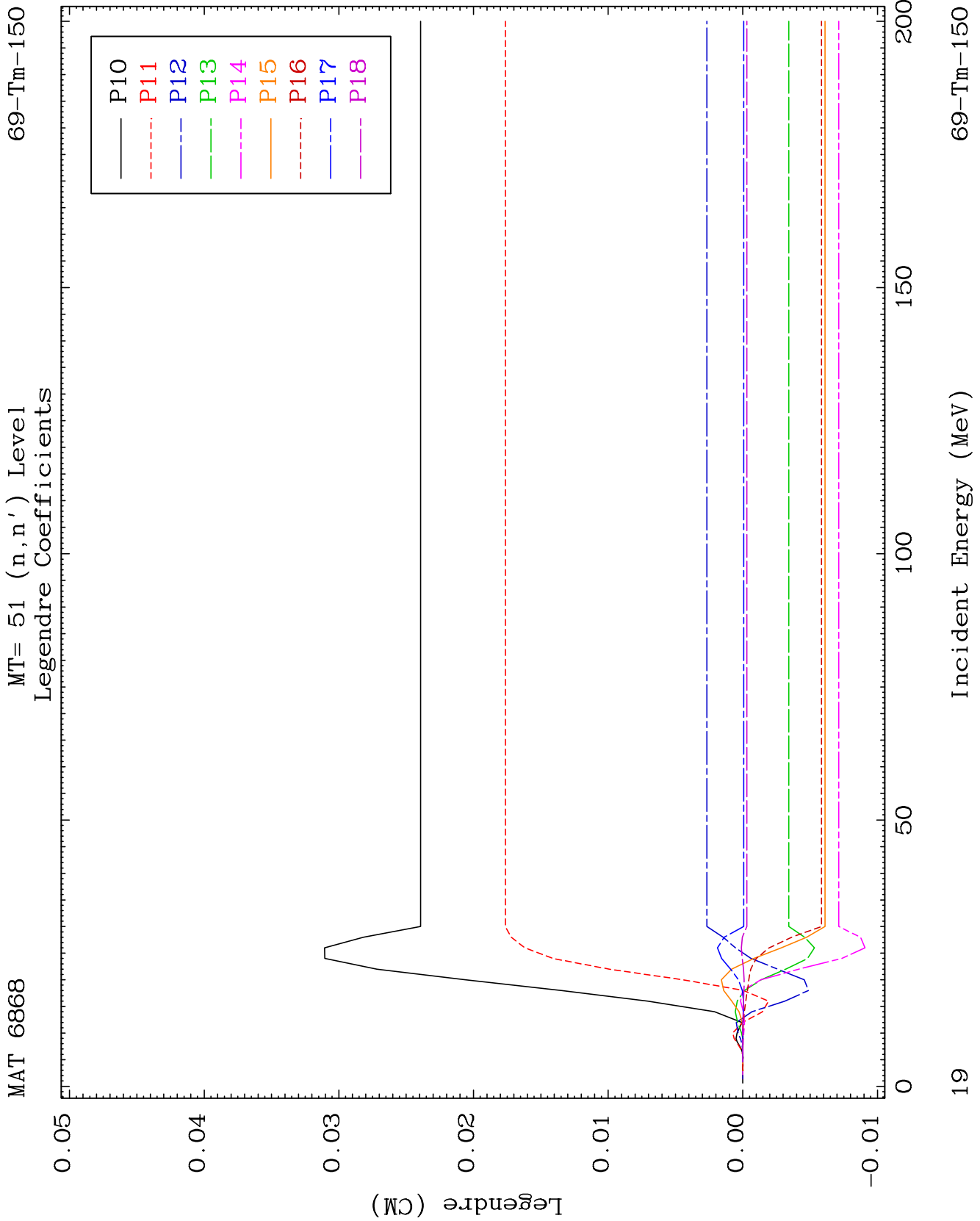
17

Incident Energy (MeV)

69-Tm-150



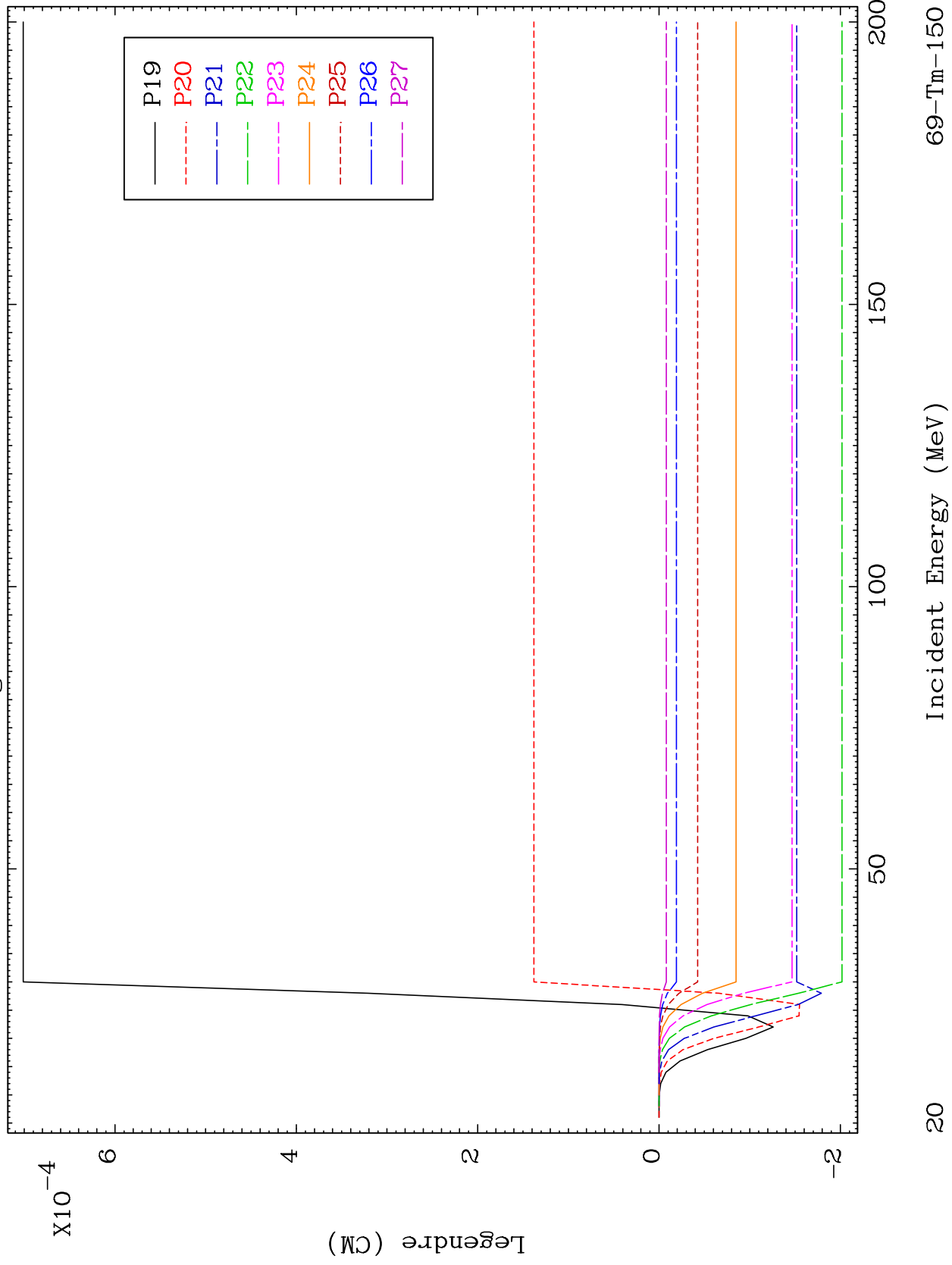


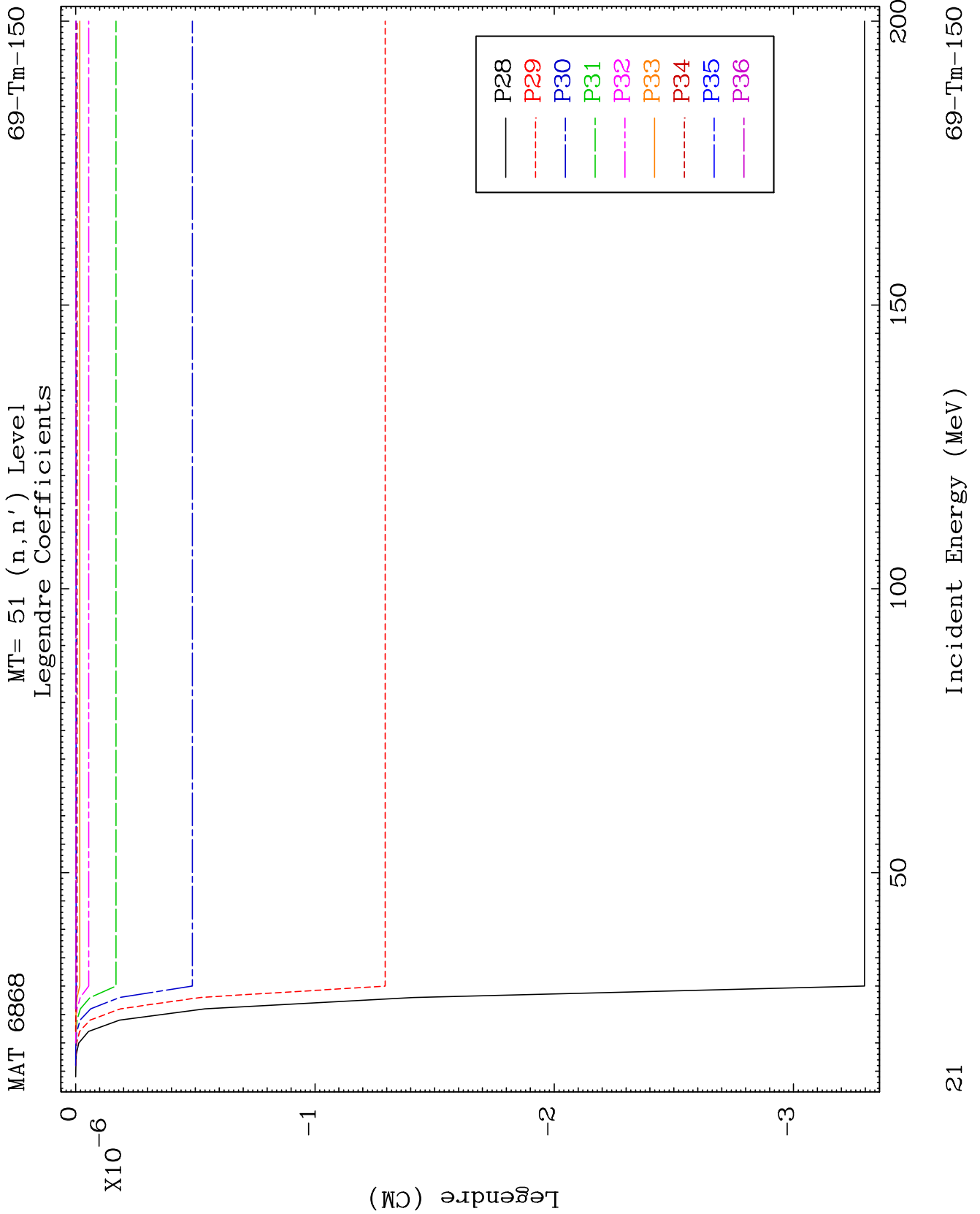


MAT 6868

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

69-Tm-150

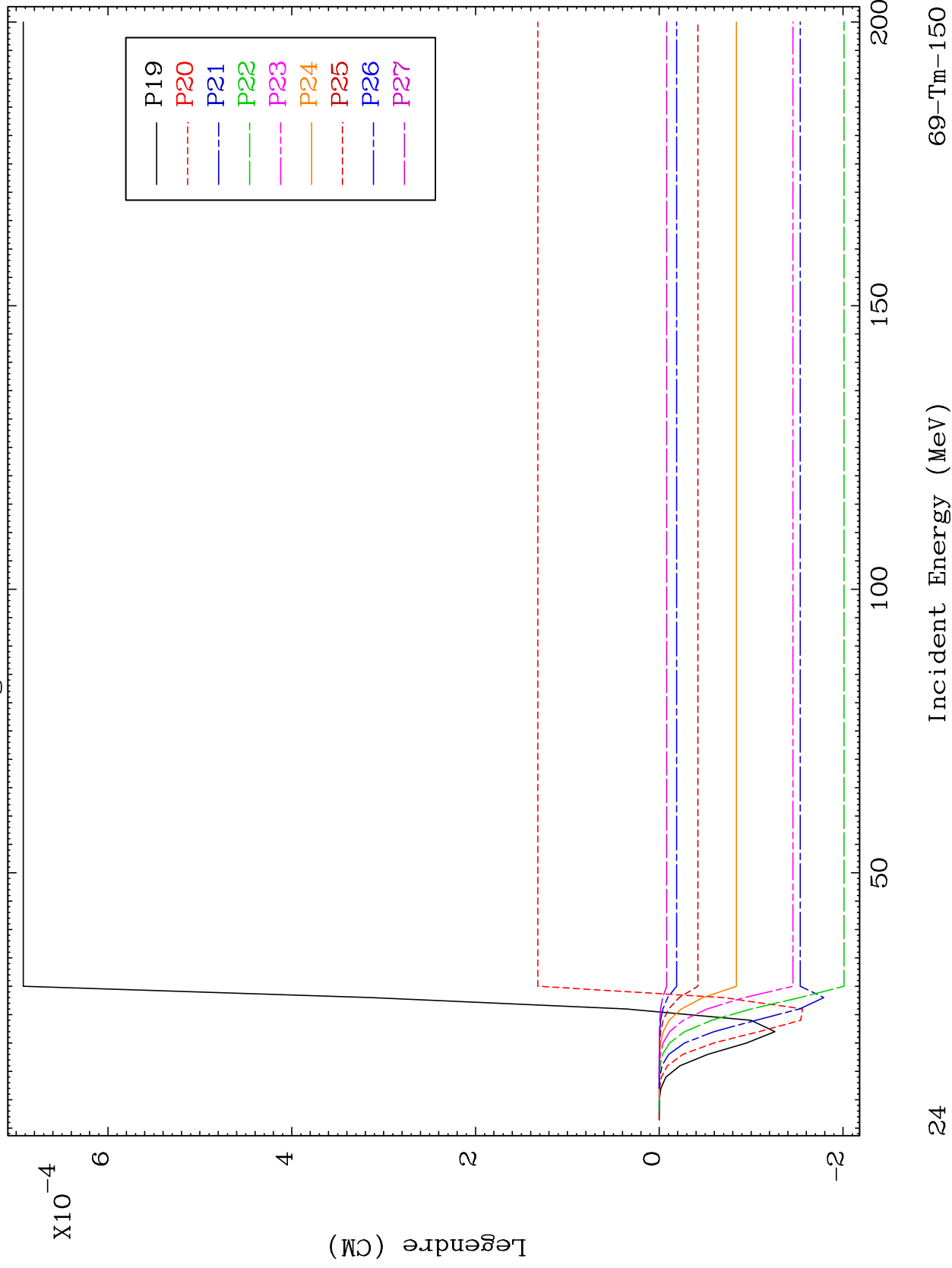




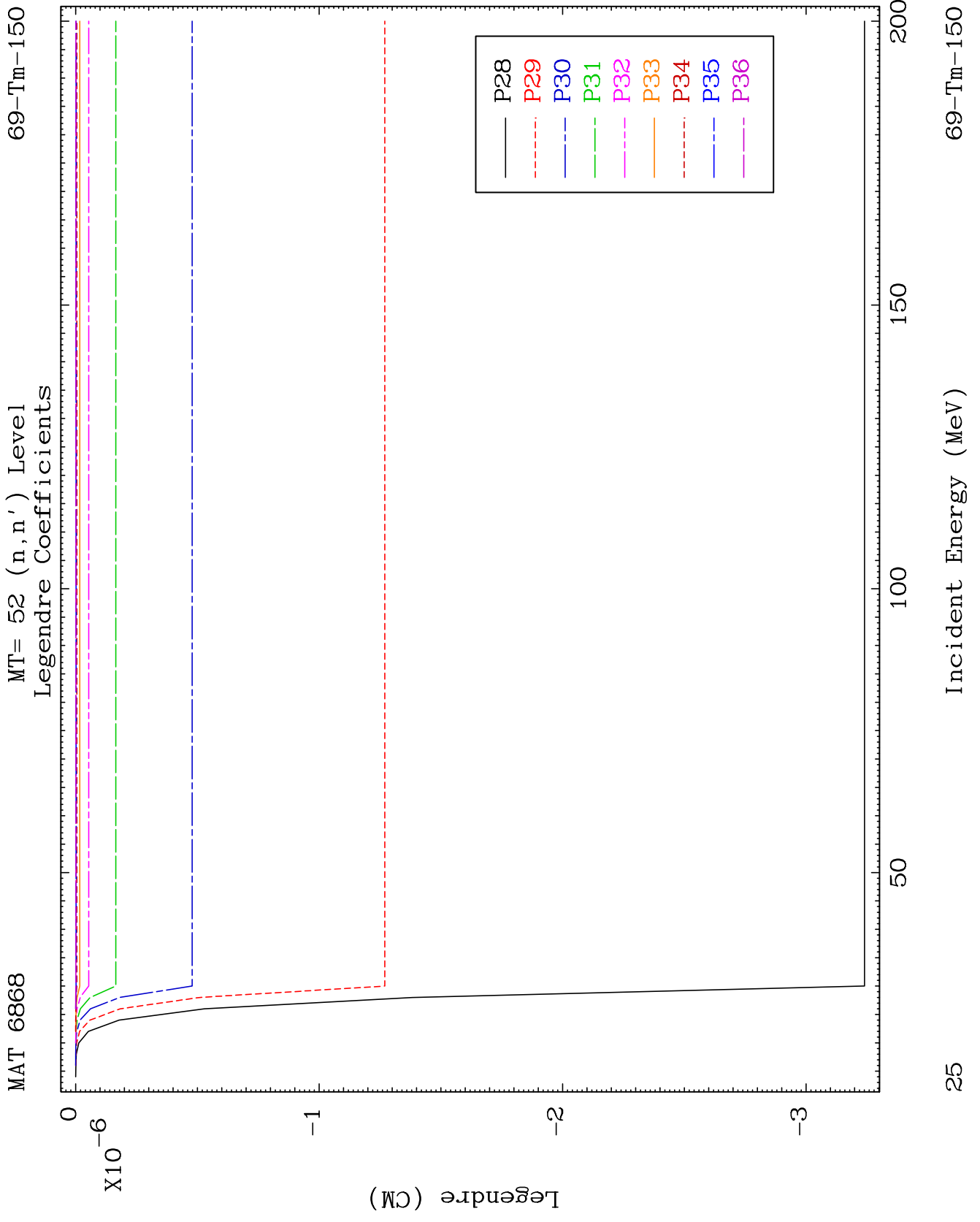
MAT 6868

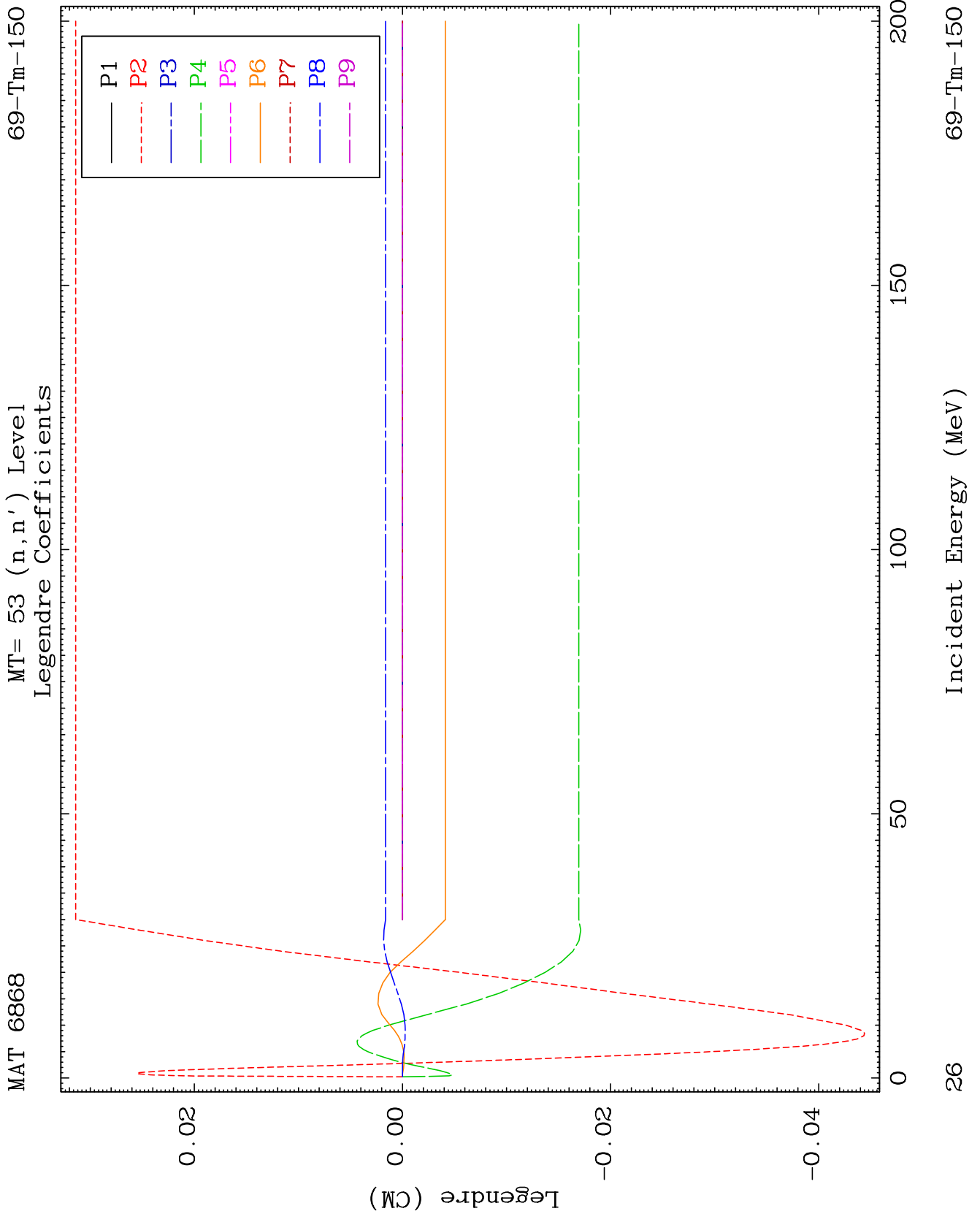
MT= 52 (n,n') Level
Legendre Coefficients

69-Tm-150



24

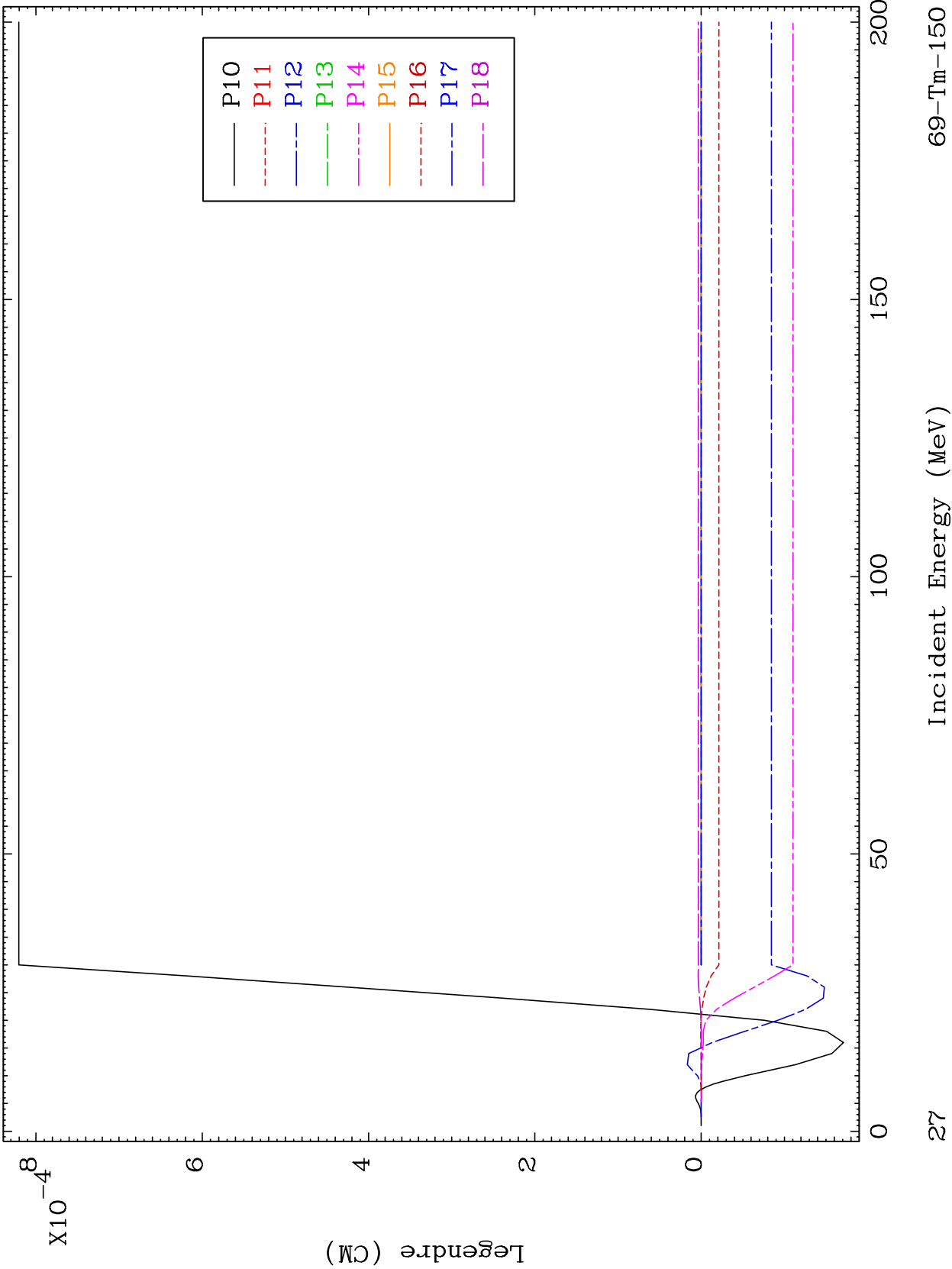




MAT 6868

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

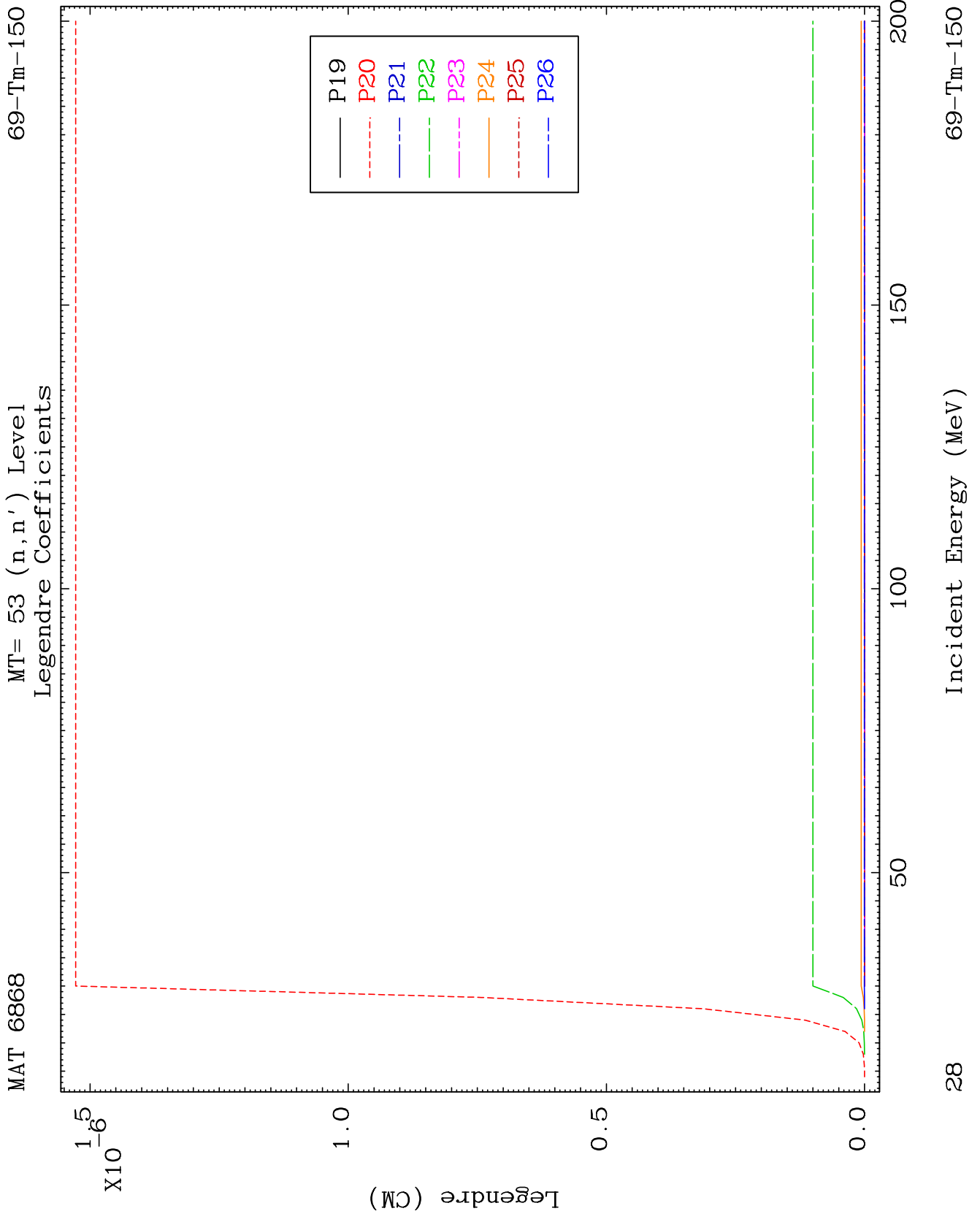
69-Tm-150



27

Incident Energy (MeV)

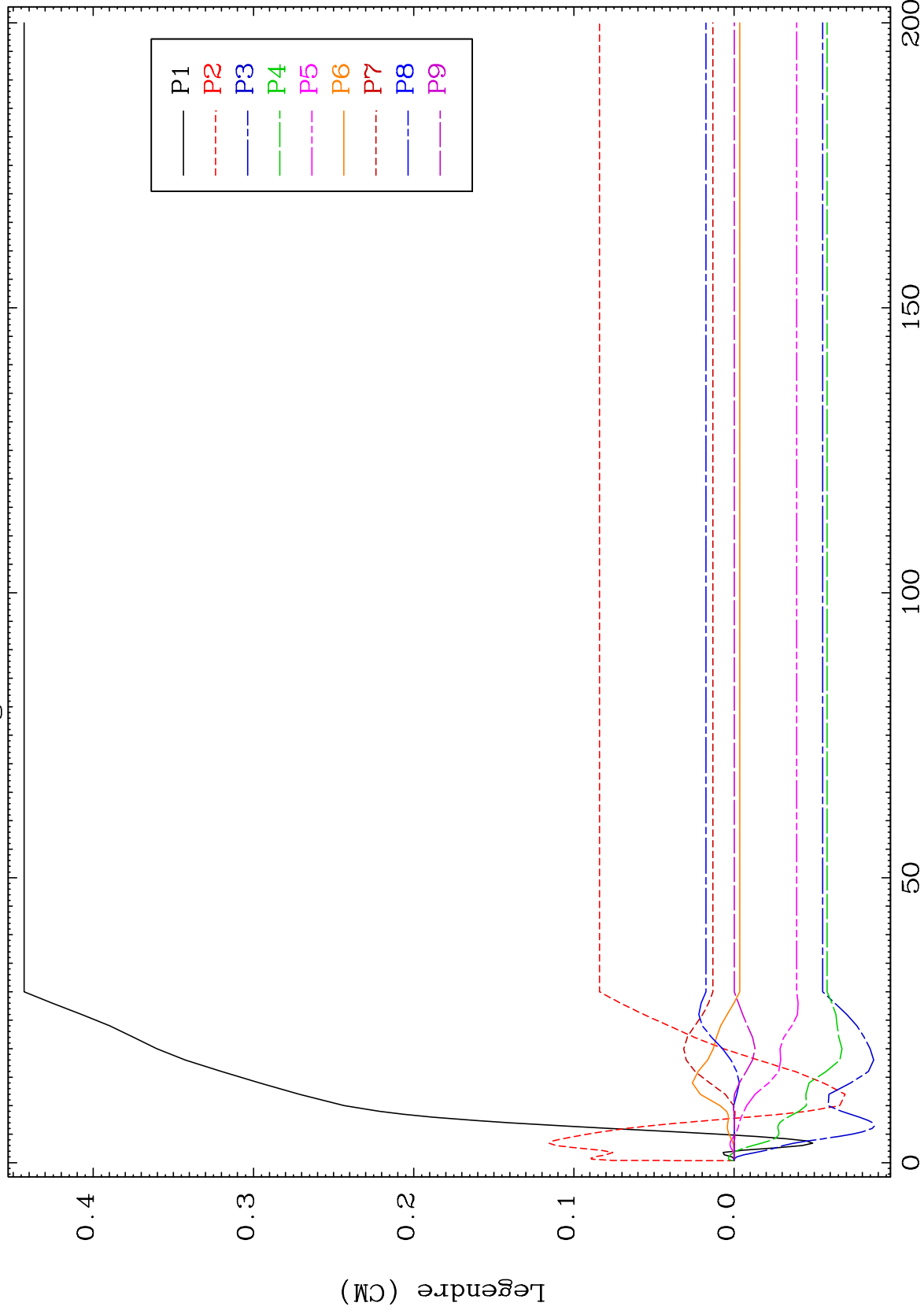
69-Tm-150



MAT 6868

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

69-Tm-150



29

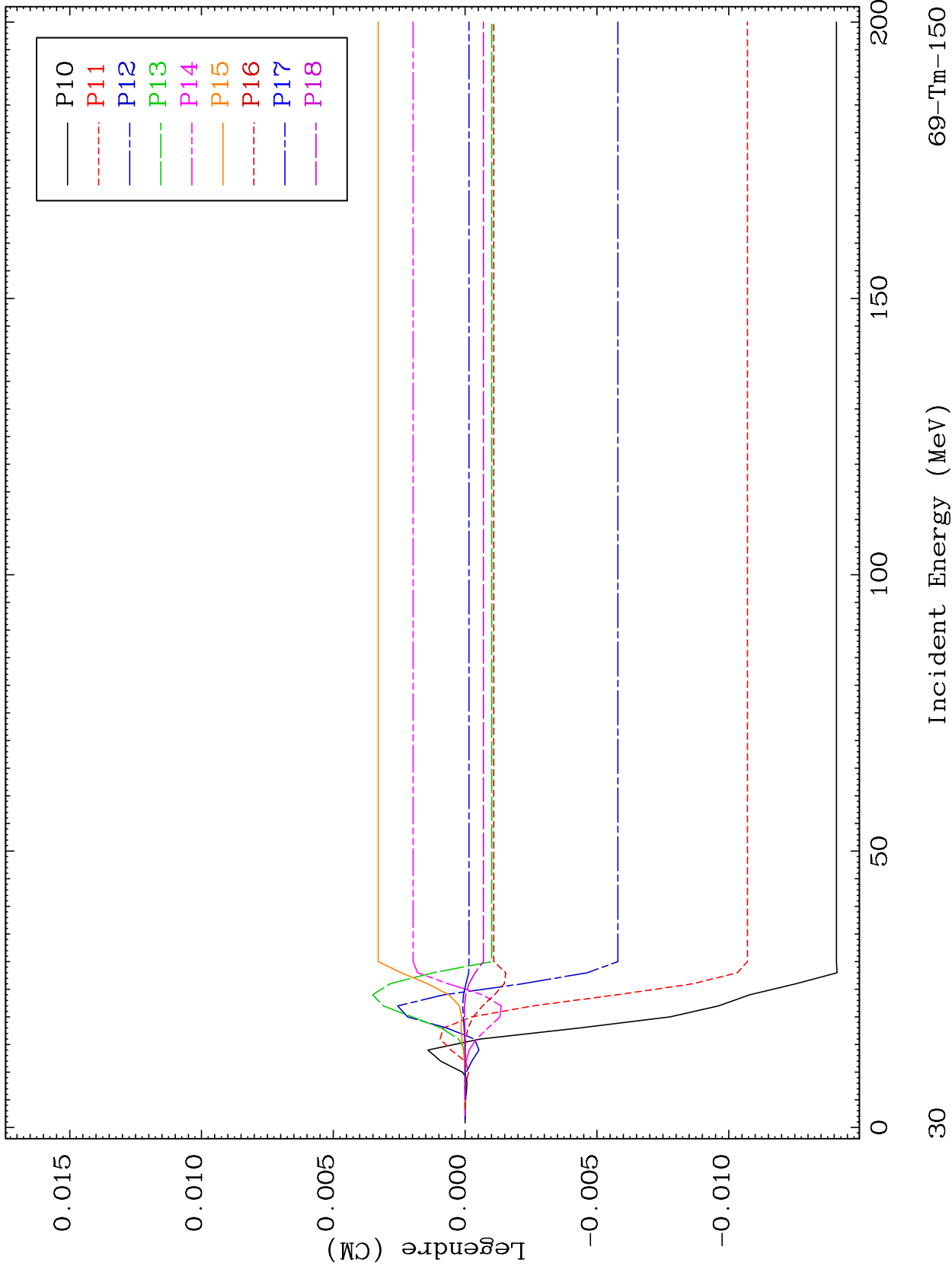
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

69-Tm-150



69-Tm-150

Incident Energy (MeV)

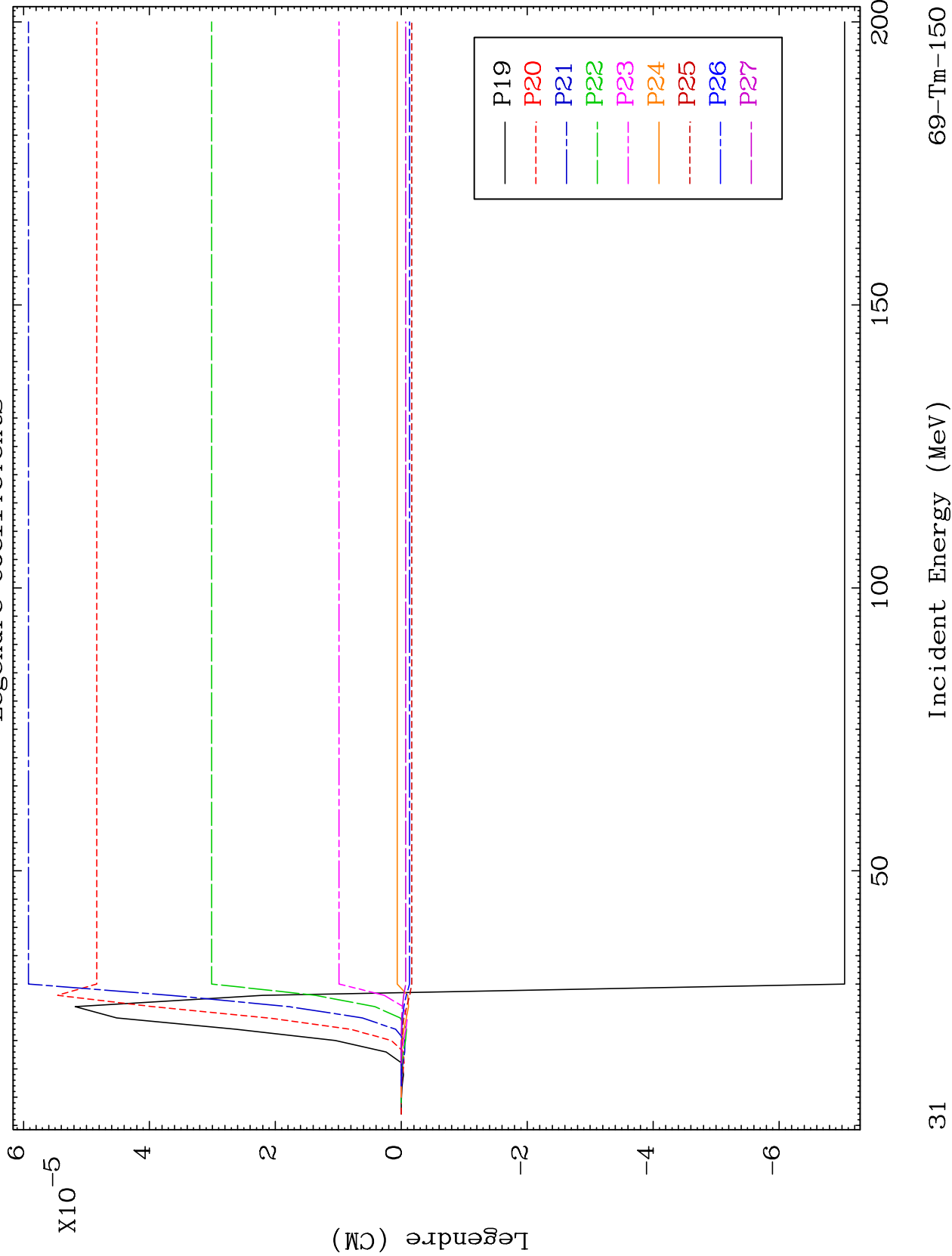
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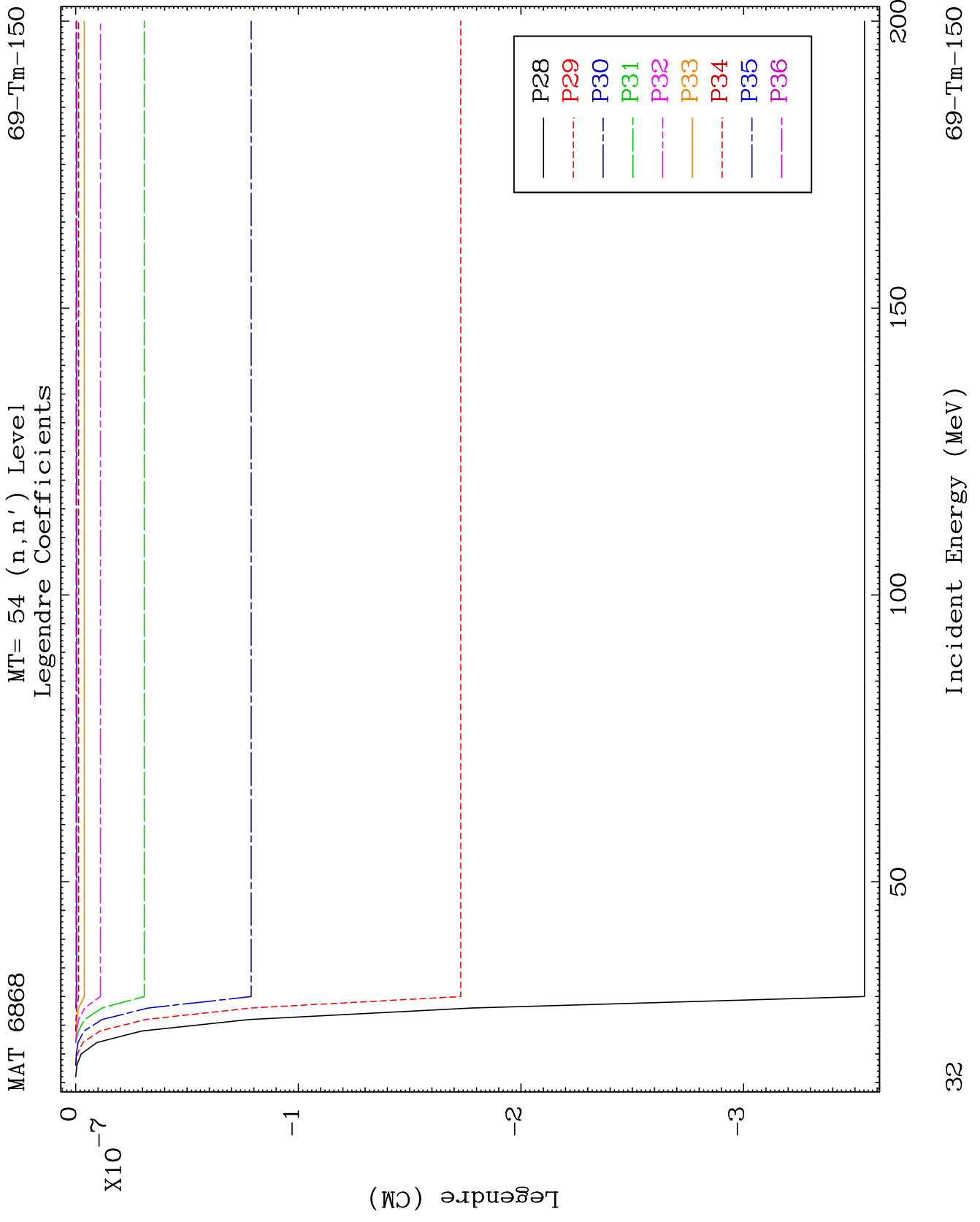
MAT 6868

MT= 54 (n,n') Level

69-Tm-150

Legendre Coefficients

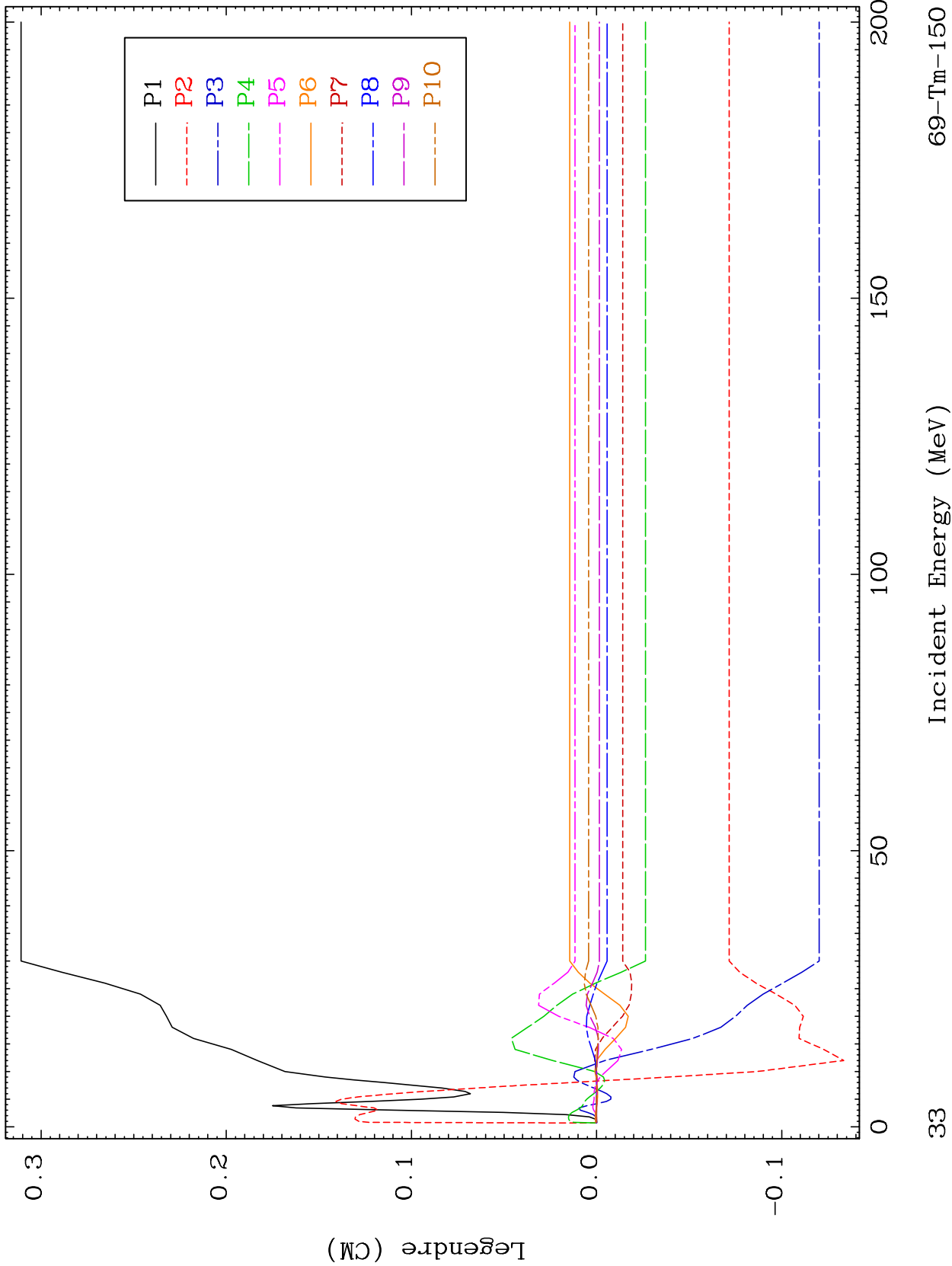




MAT 6868

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

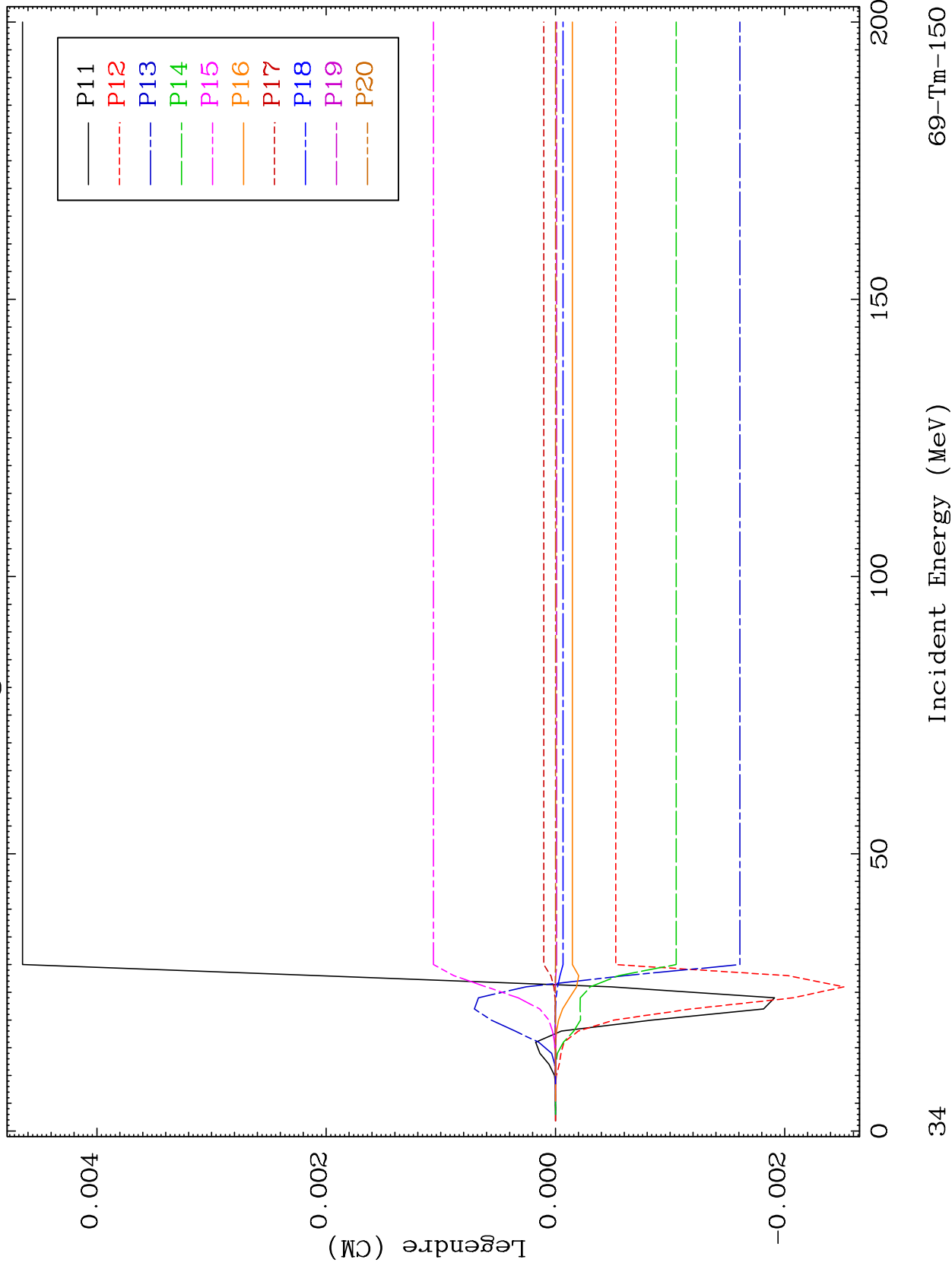
69-Tm-150



MAT 6868

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

69-Tm-150



34

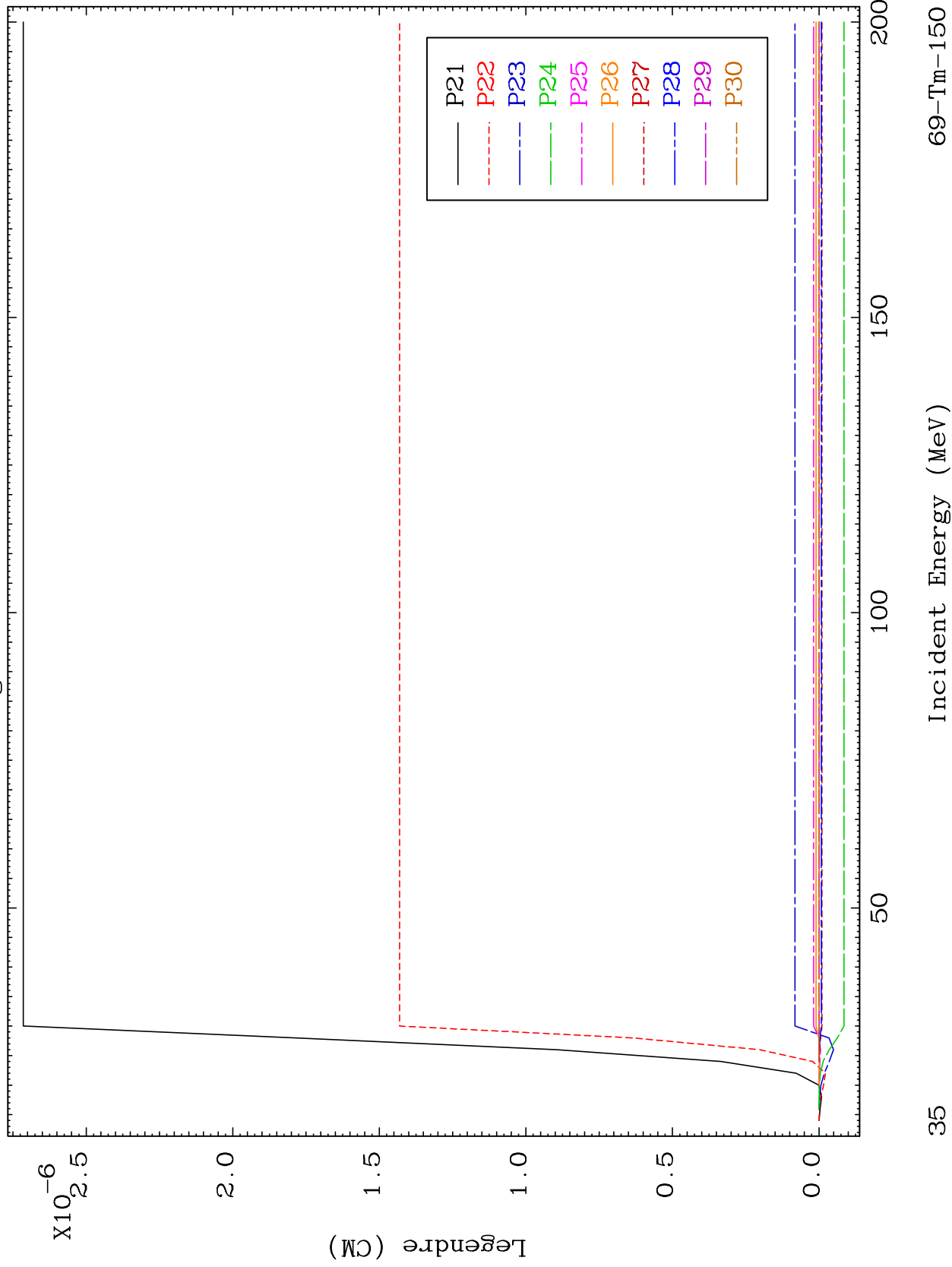
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

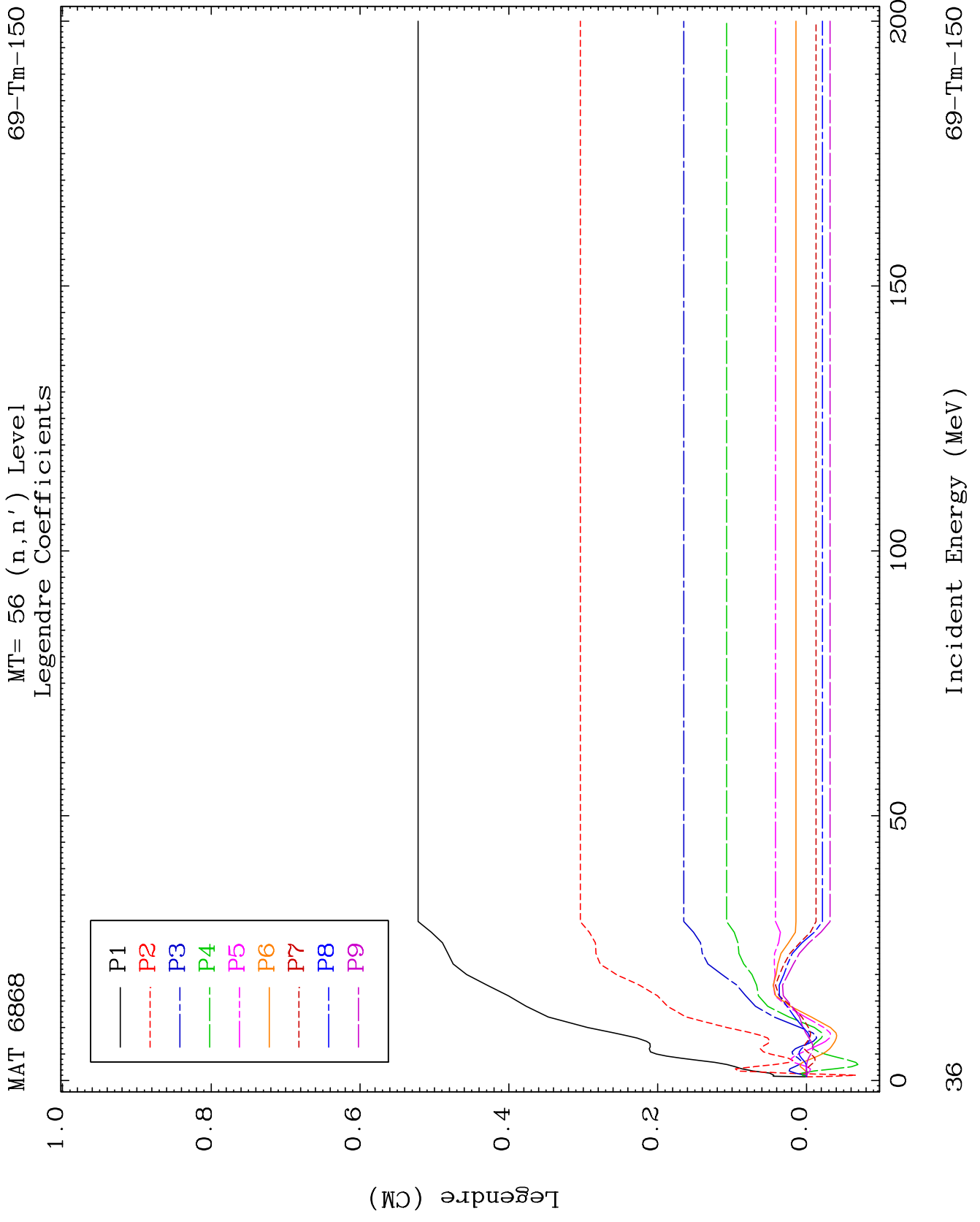
69-Tm-150



35

Incident Energy (MeV)

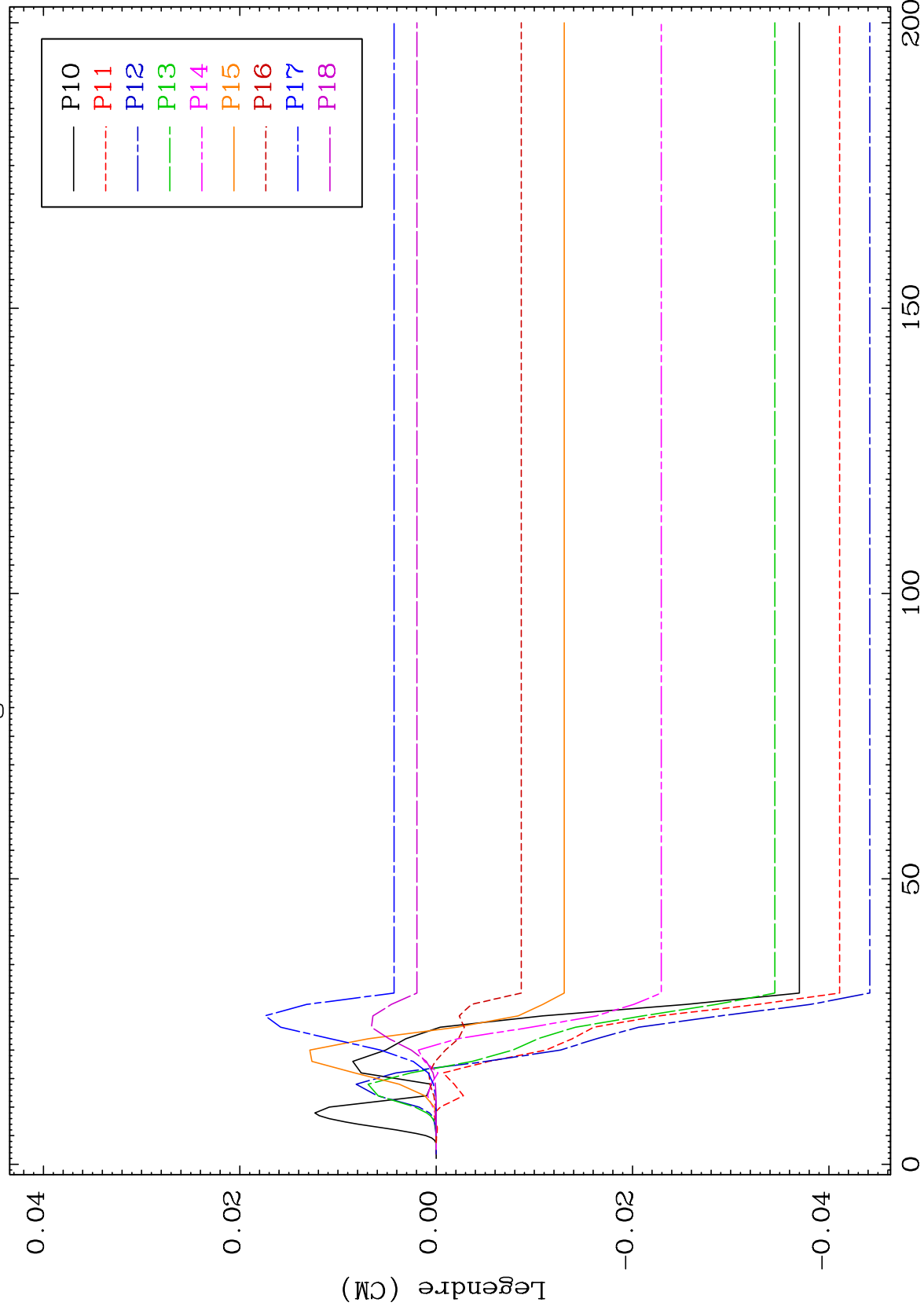
69-Tm-150



MAT 6868

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

69-Tm-150



37

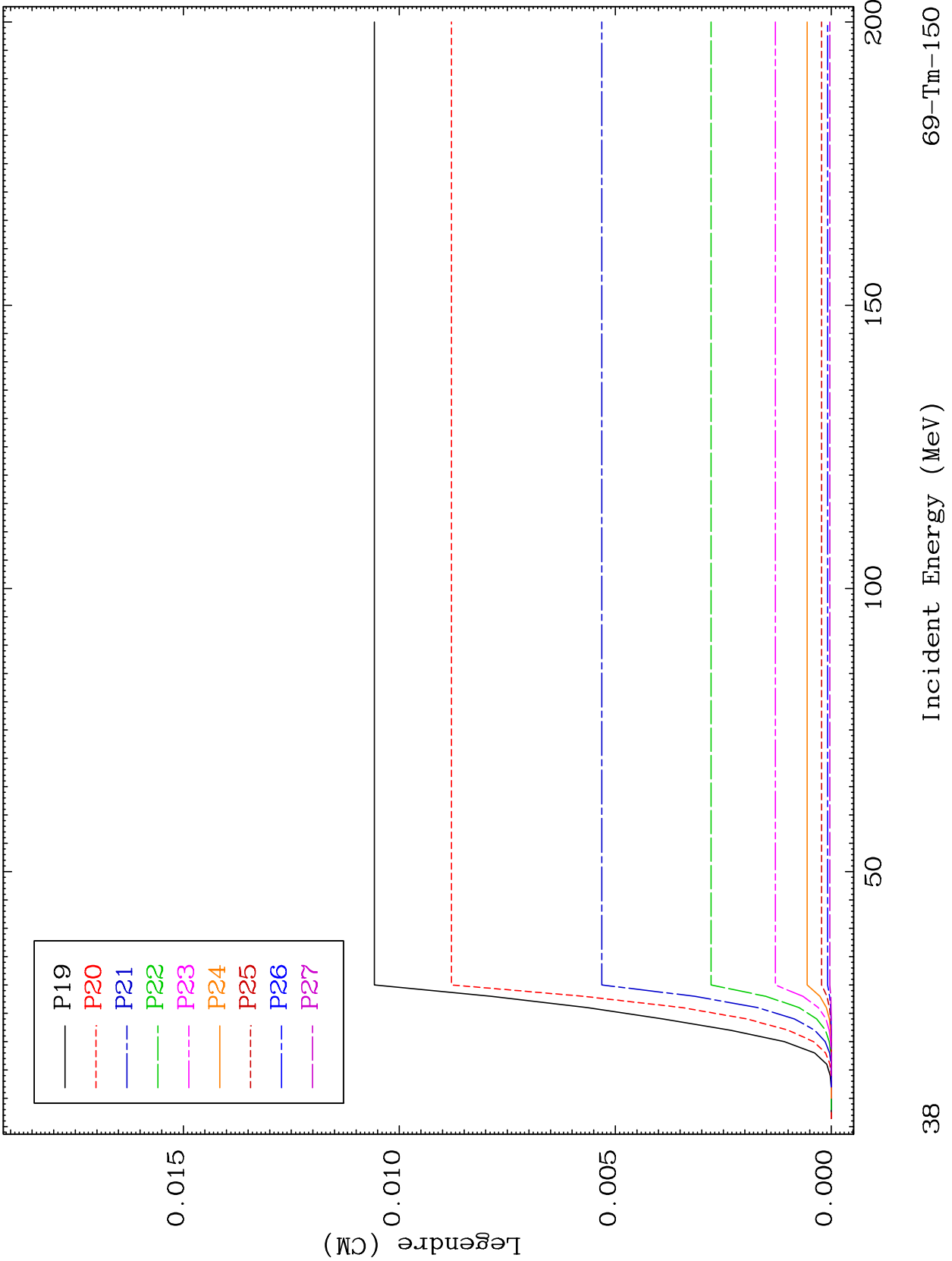
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

69-Tm-150



38

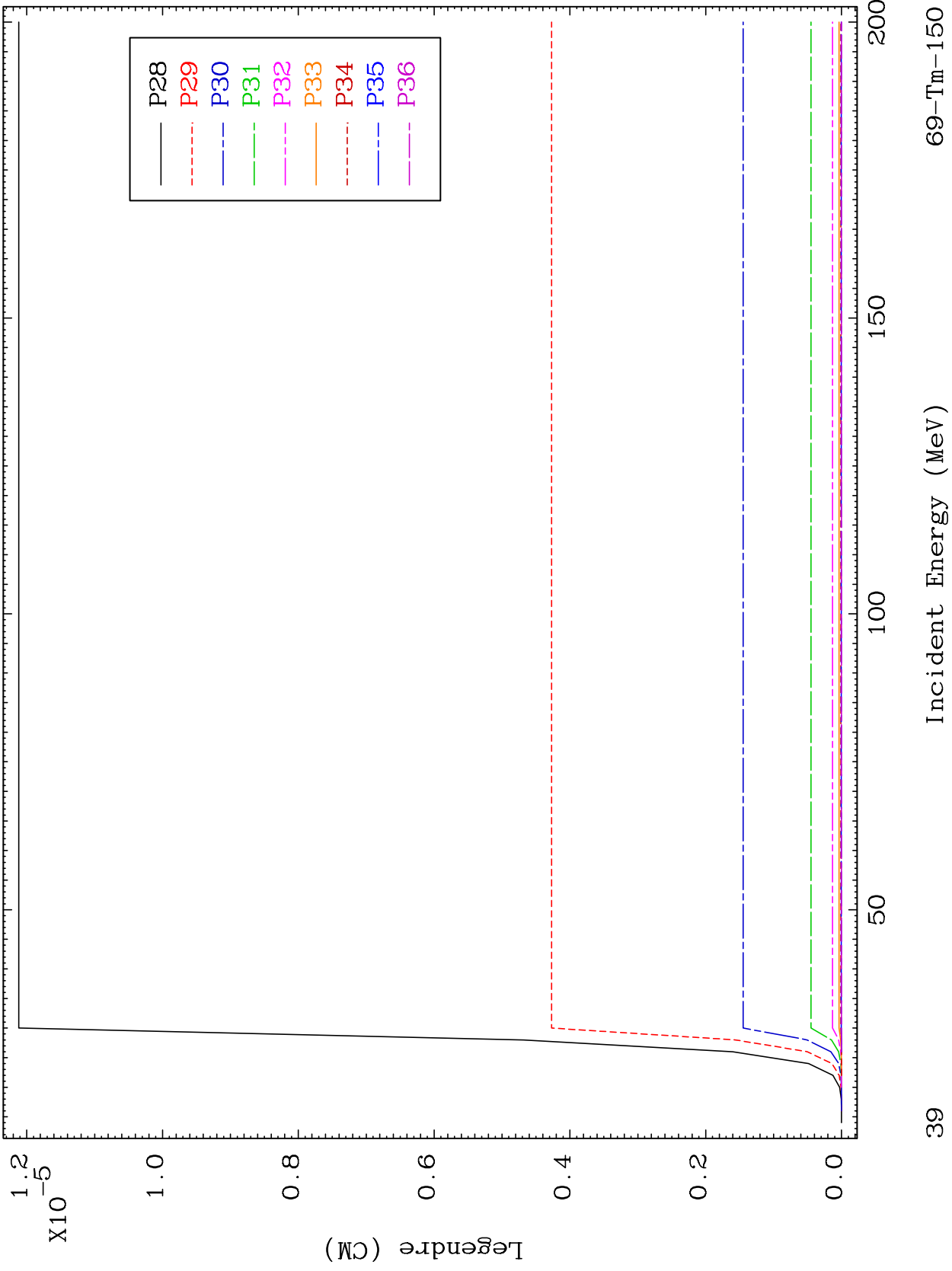
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

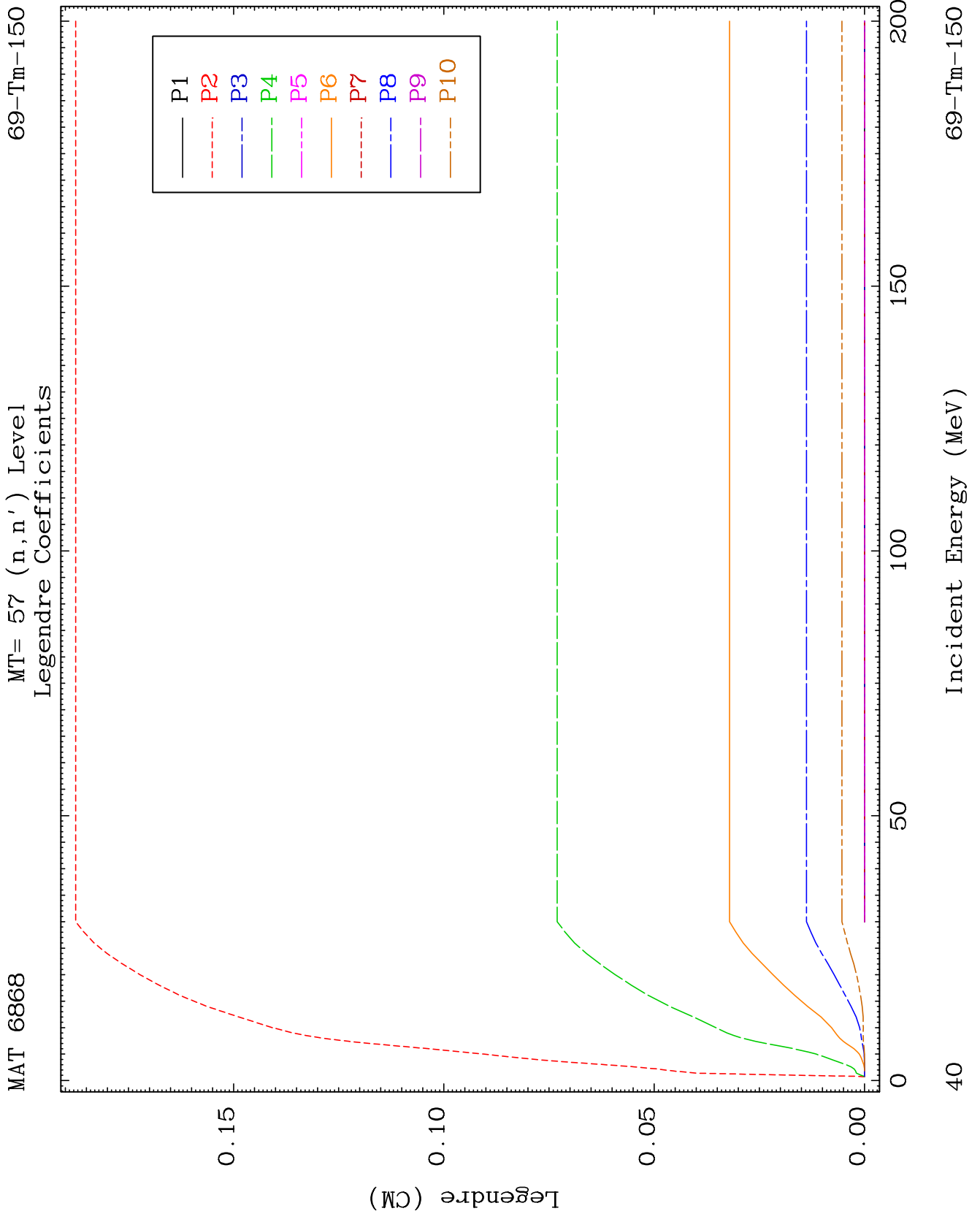
69-Tm-150



39

Incident Energy (MeV)

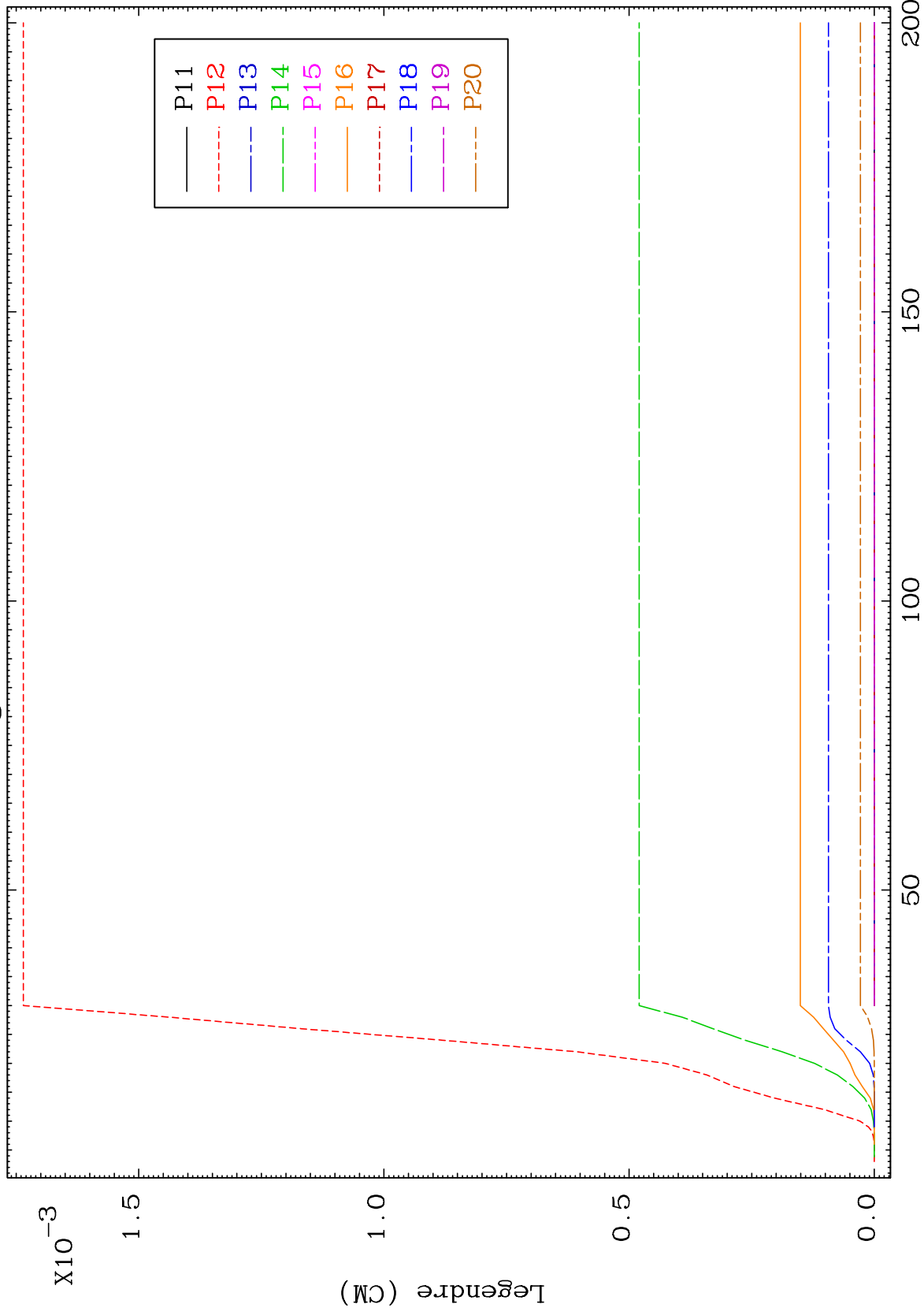
69-Tm-150



MAT 6868

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

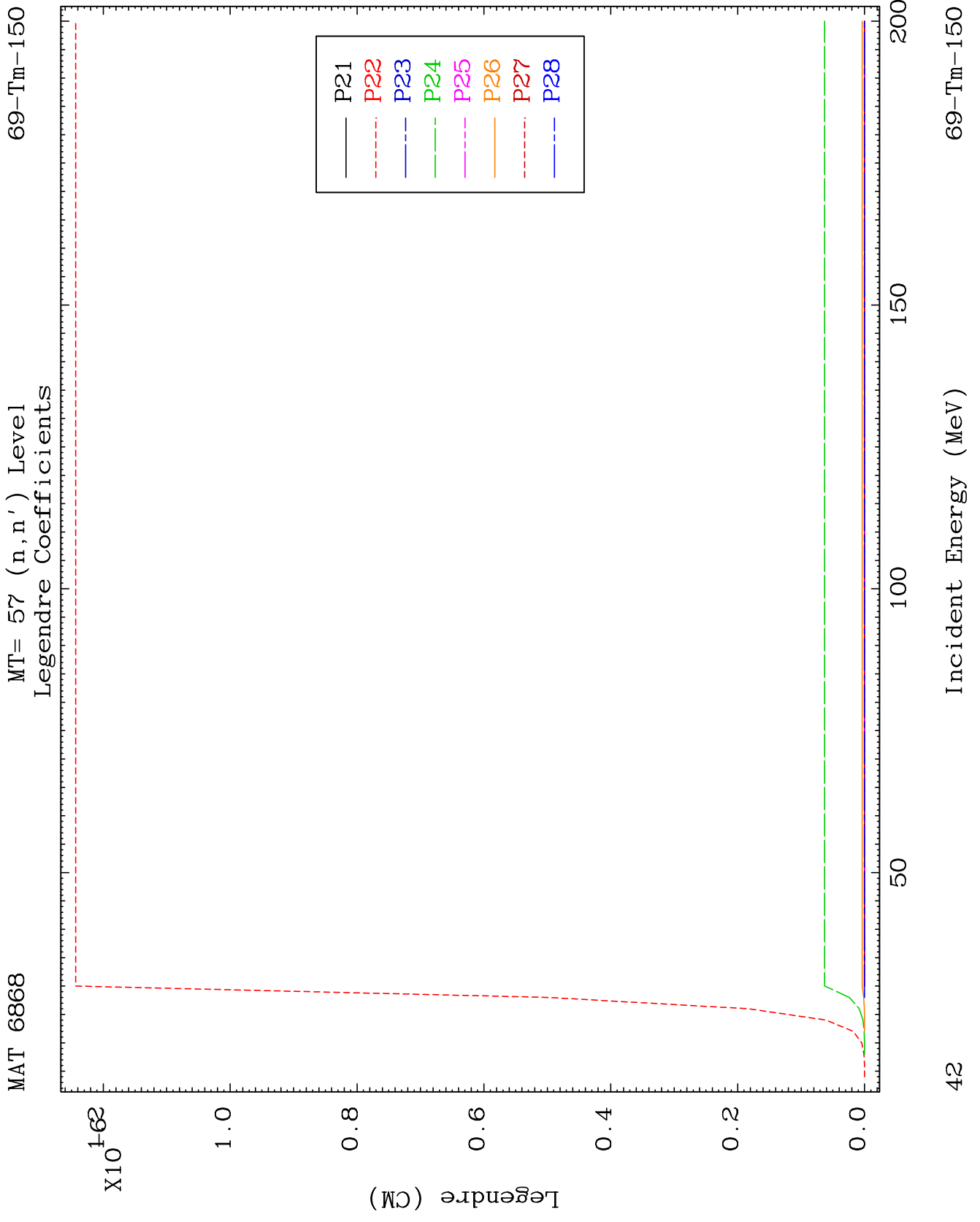
69-Tm-150



41

Incident Energy (MeV)

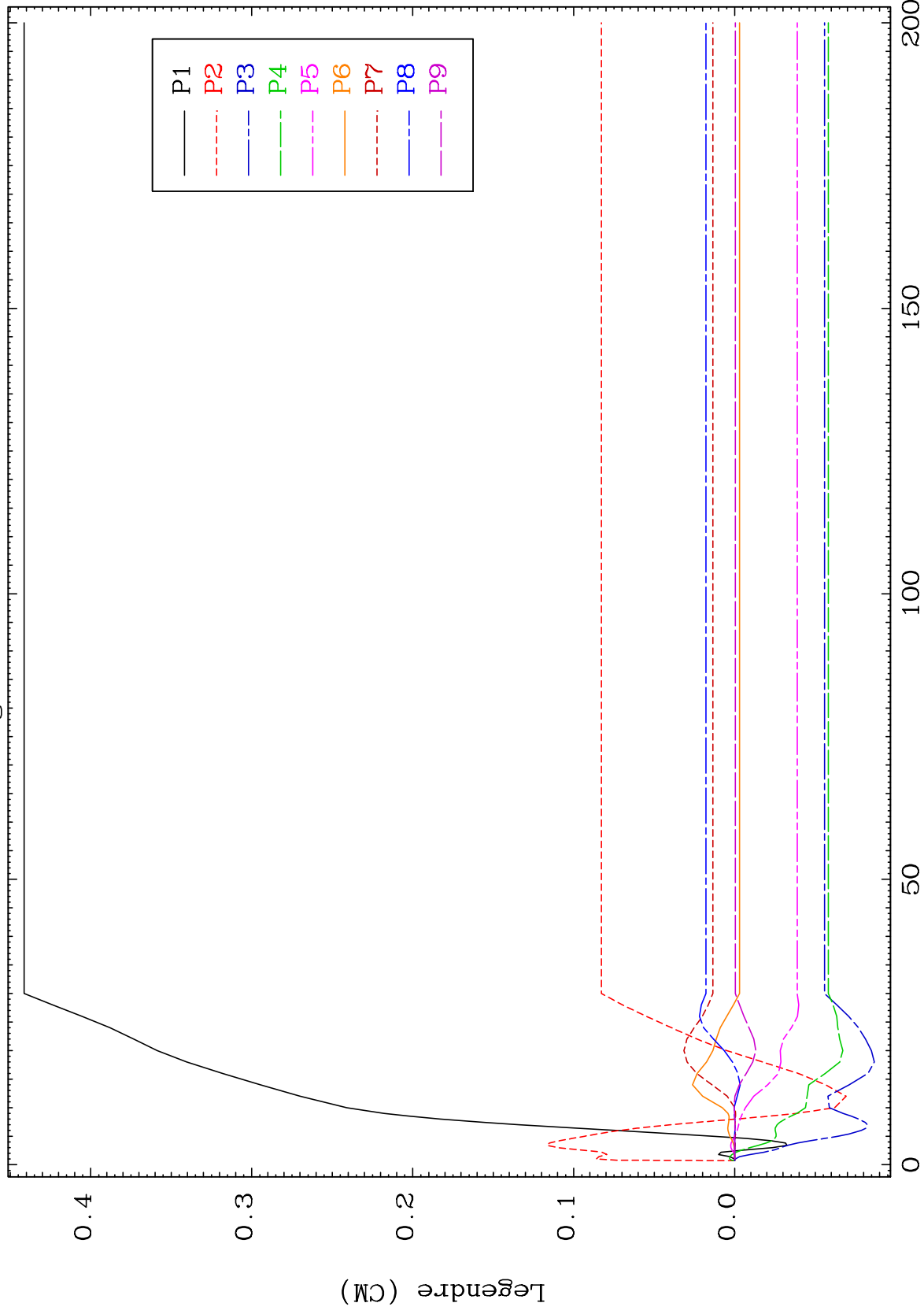
69-Tm-150



MAT 6868

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

69-Tm-150



43

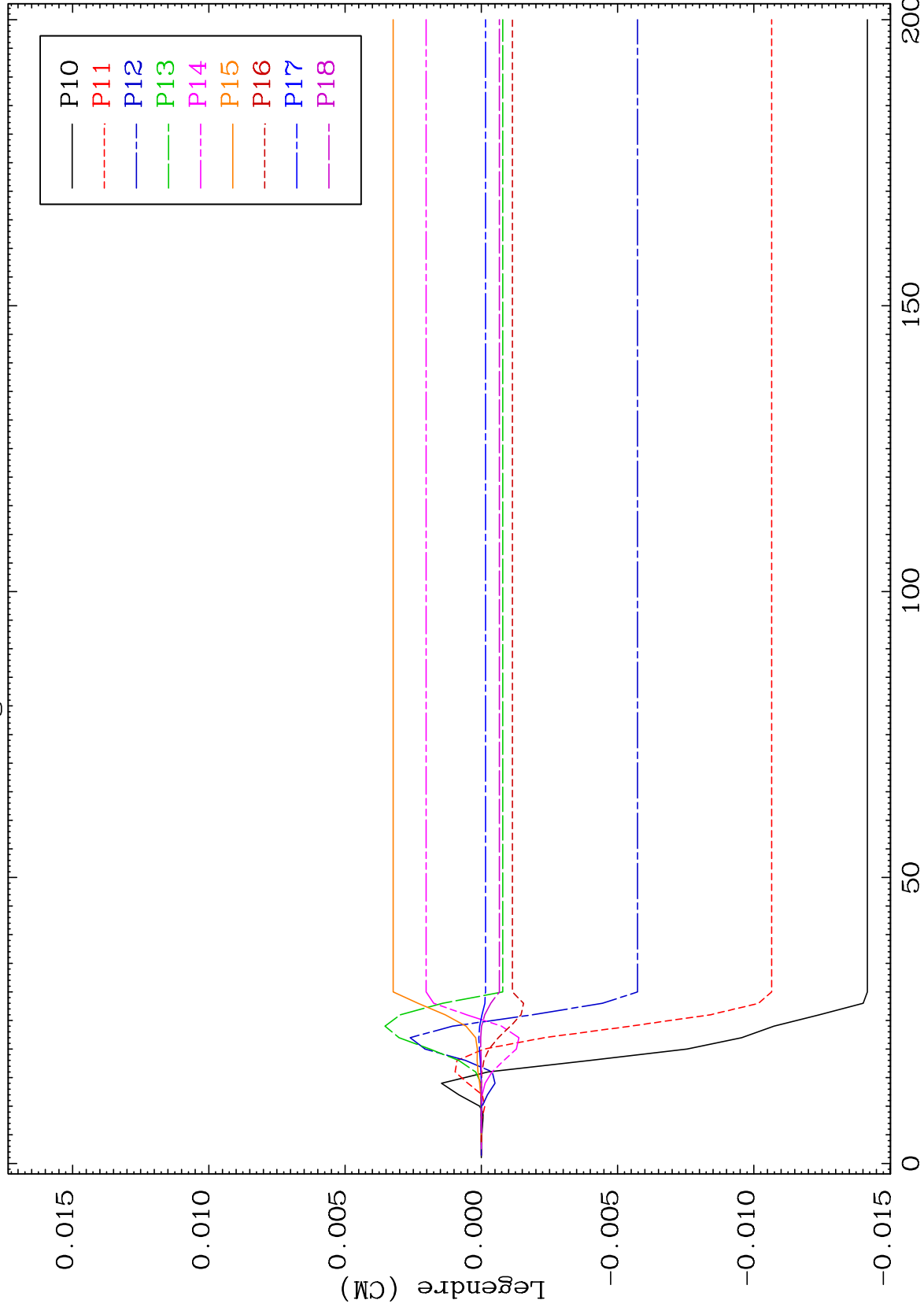
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

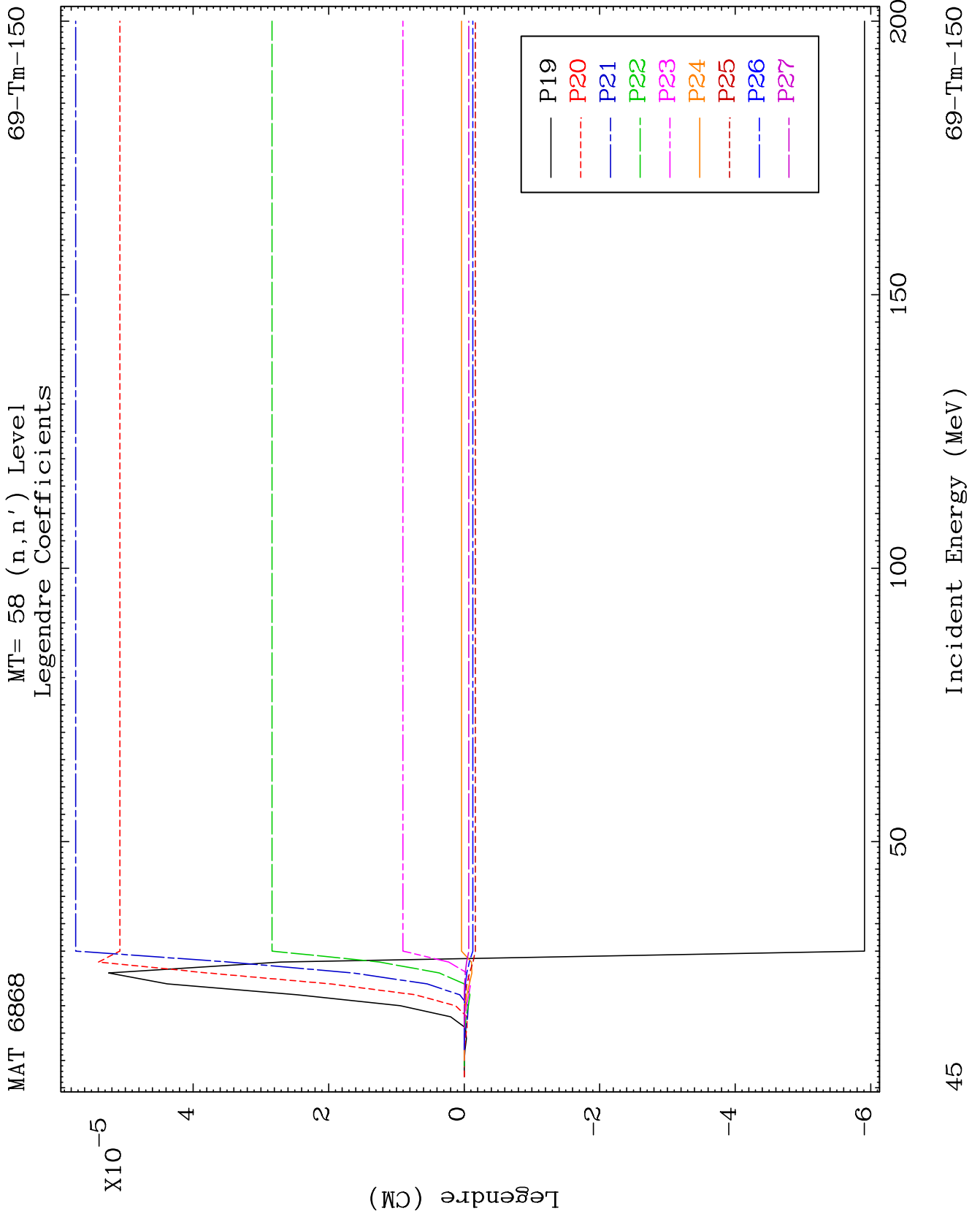
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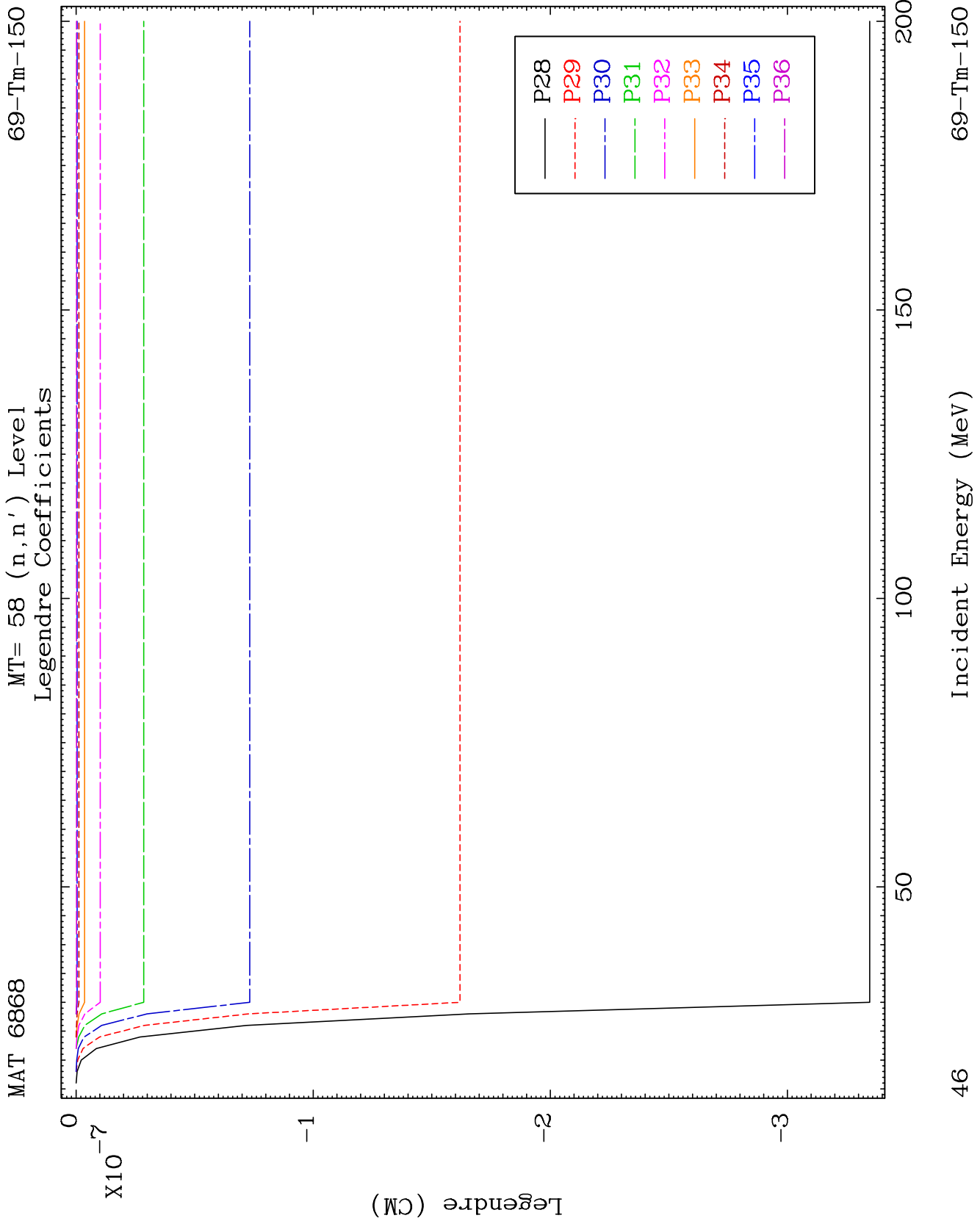


44

Incident Energy (MeV)

69-Tm-150

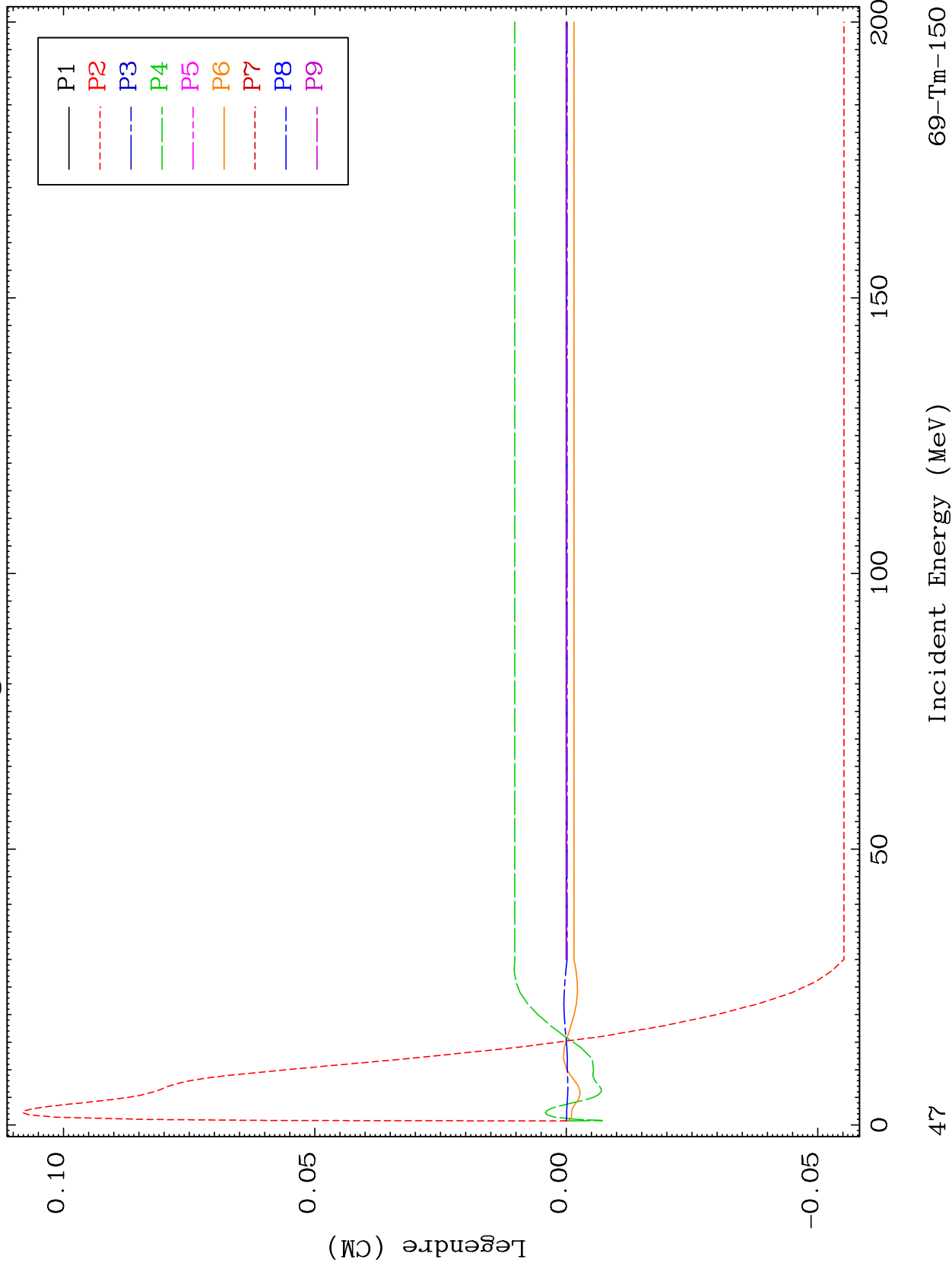




MAT 6868

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

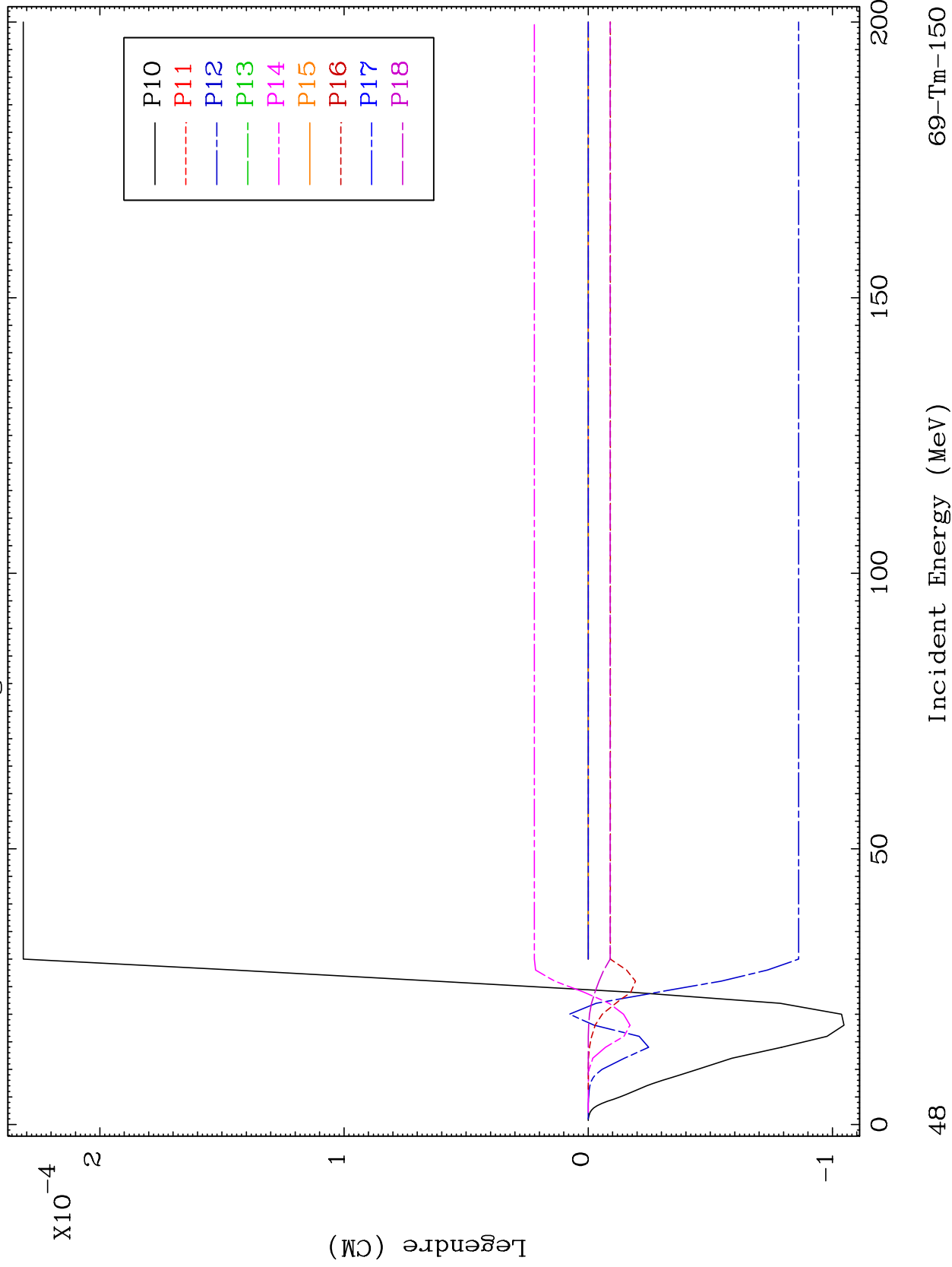
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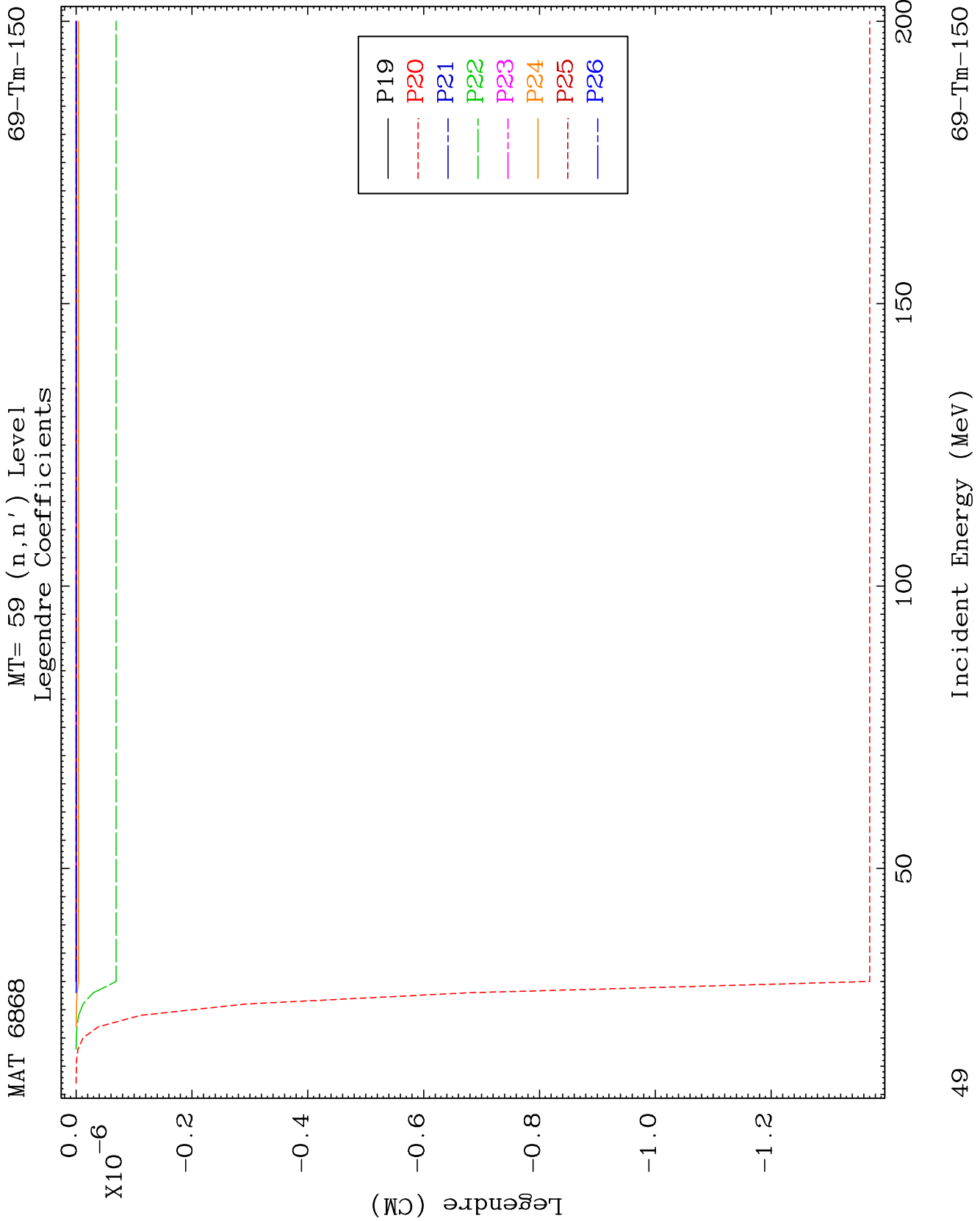


MAT 6868

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

69-Tm-150

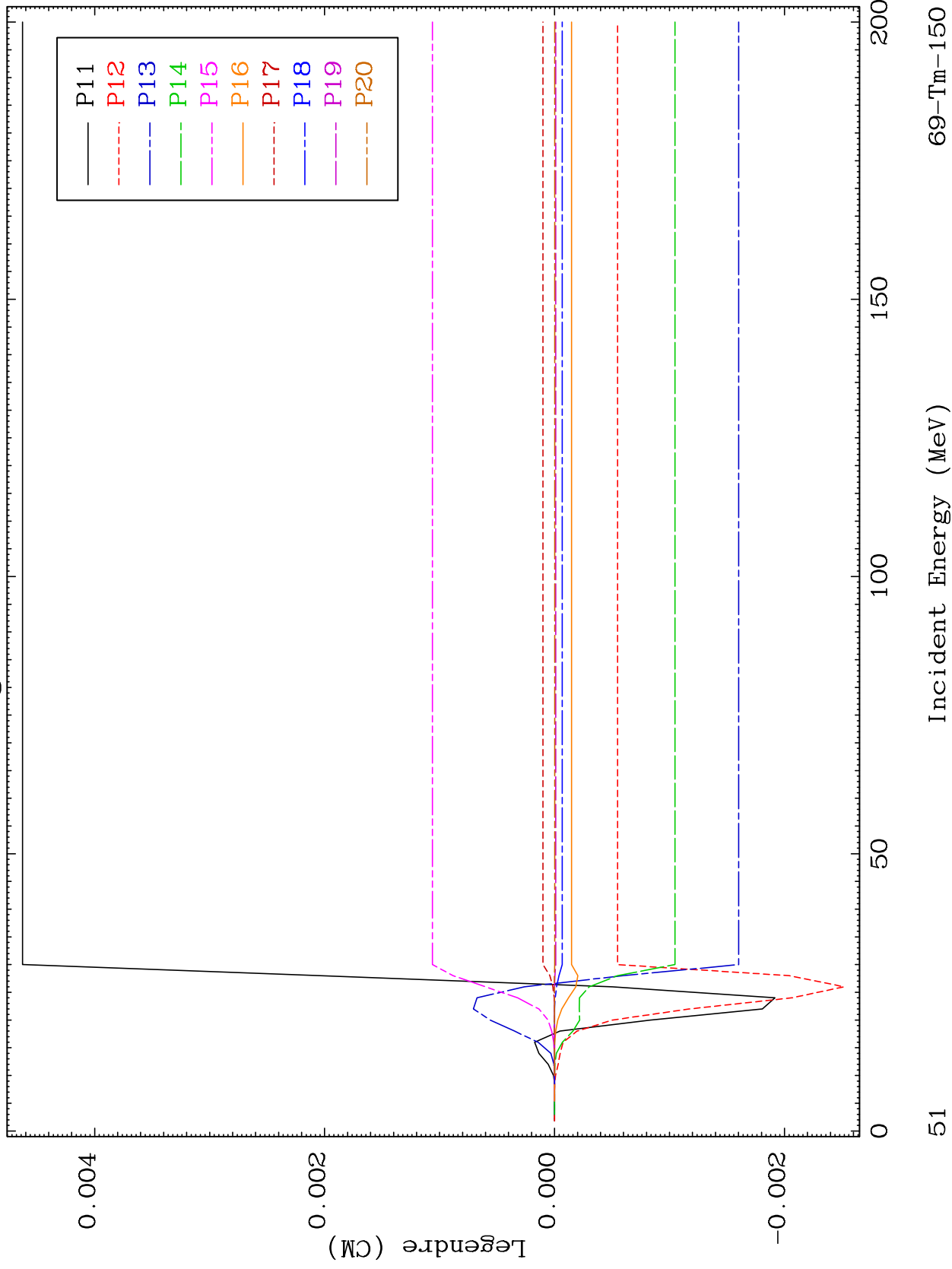




MAT 6868

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

69-Tm-150



51

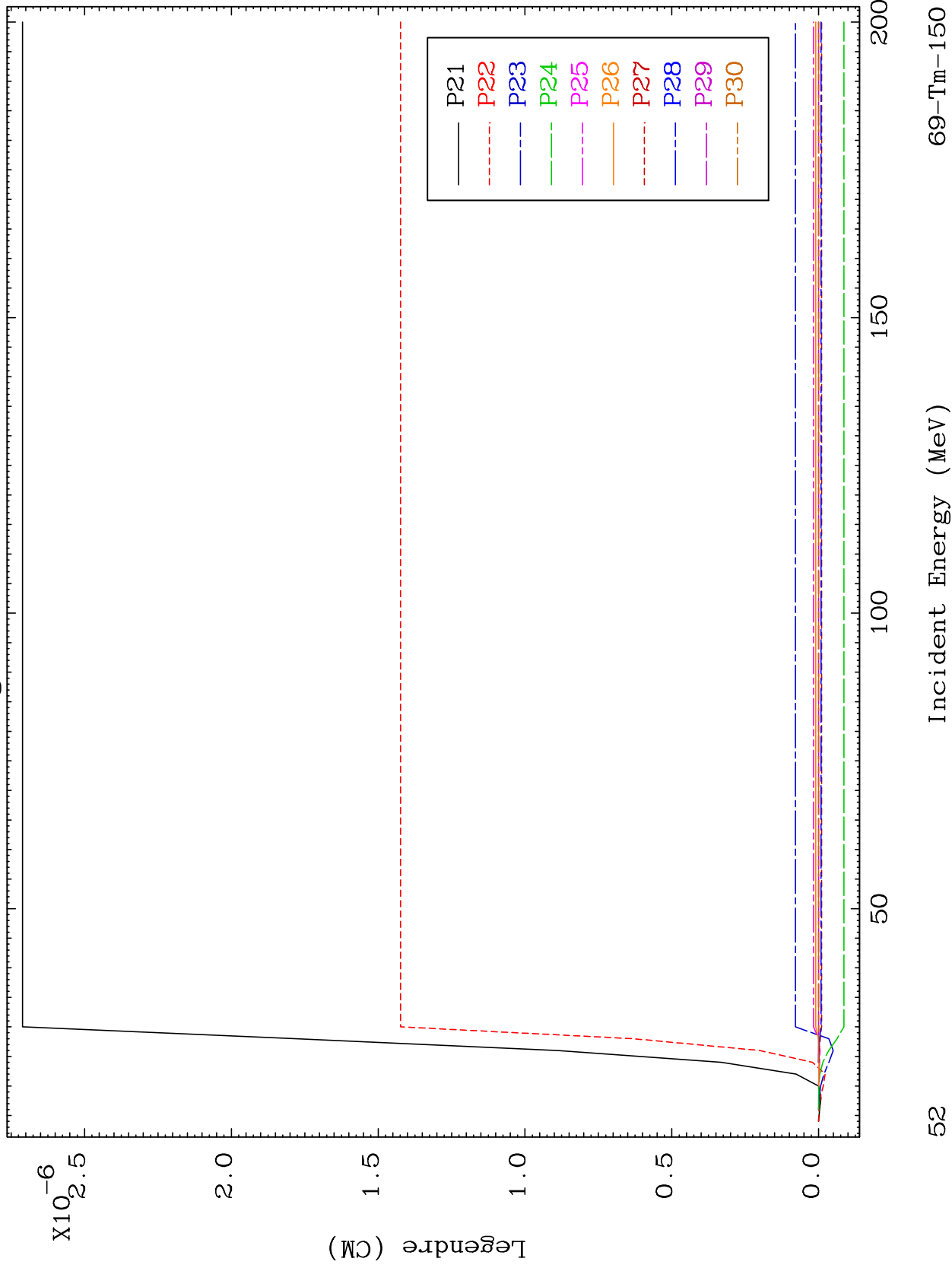
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

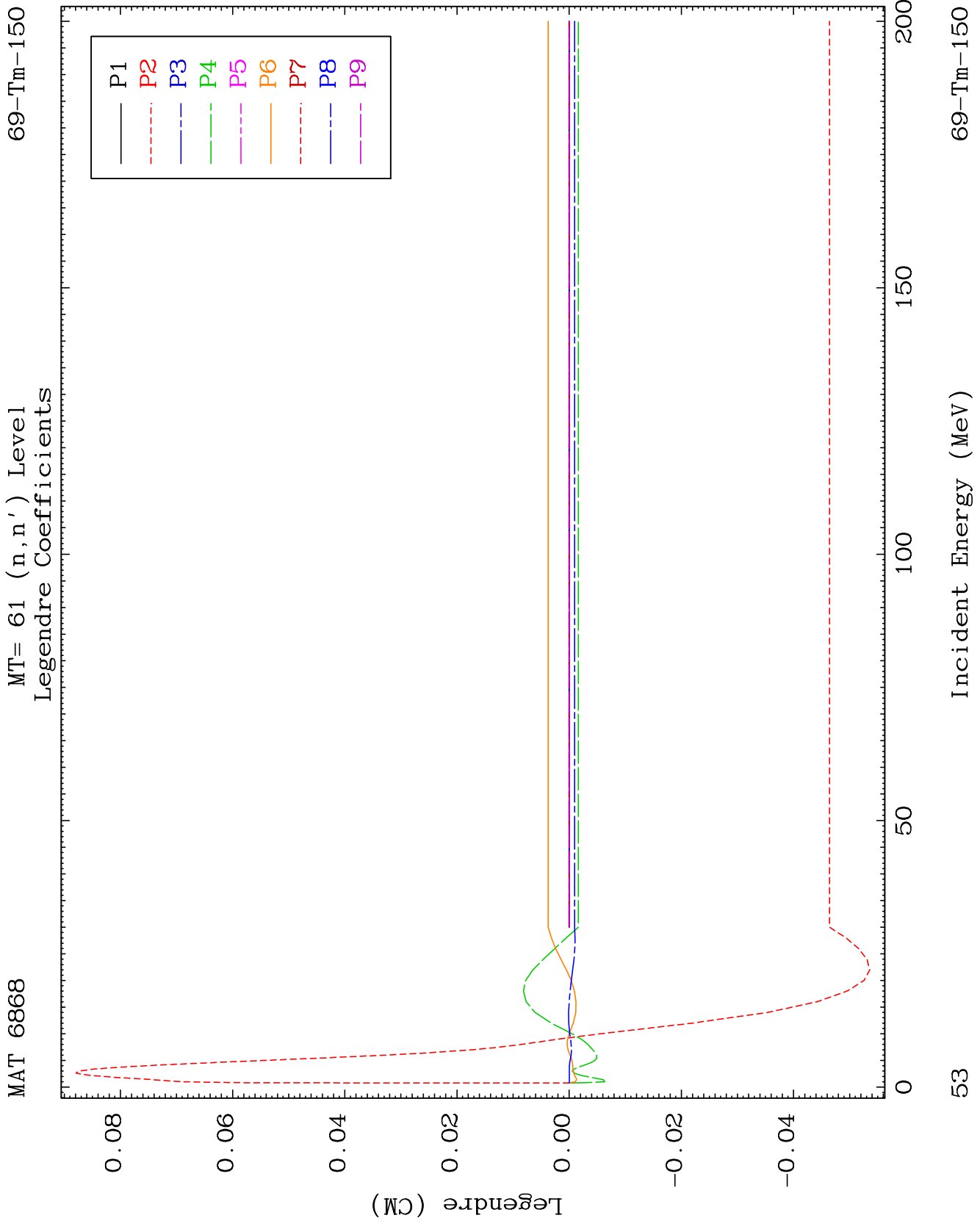
69-Tm-150



52

Incident Energy (MeV)

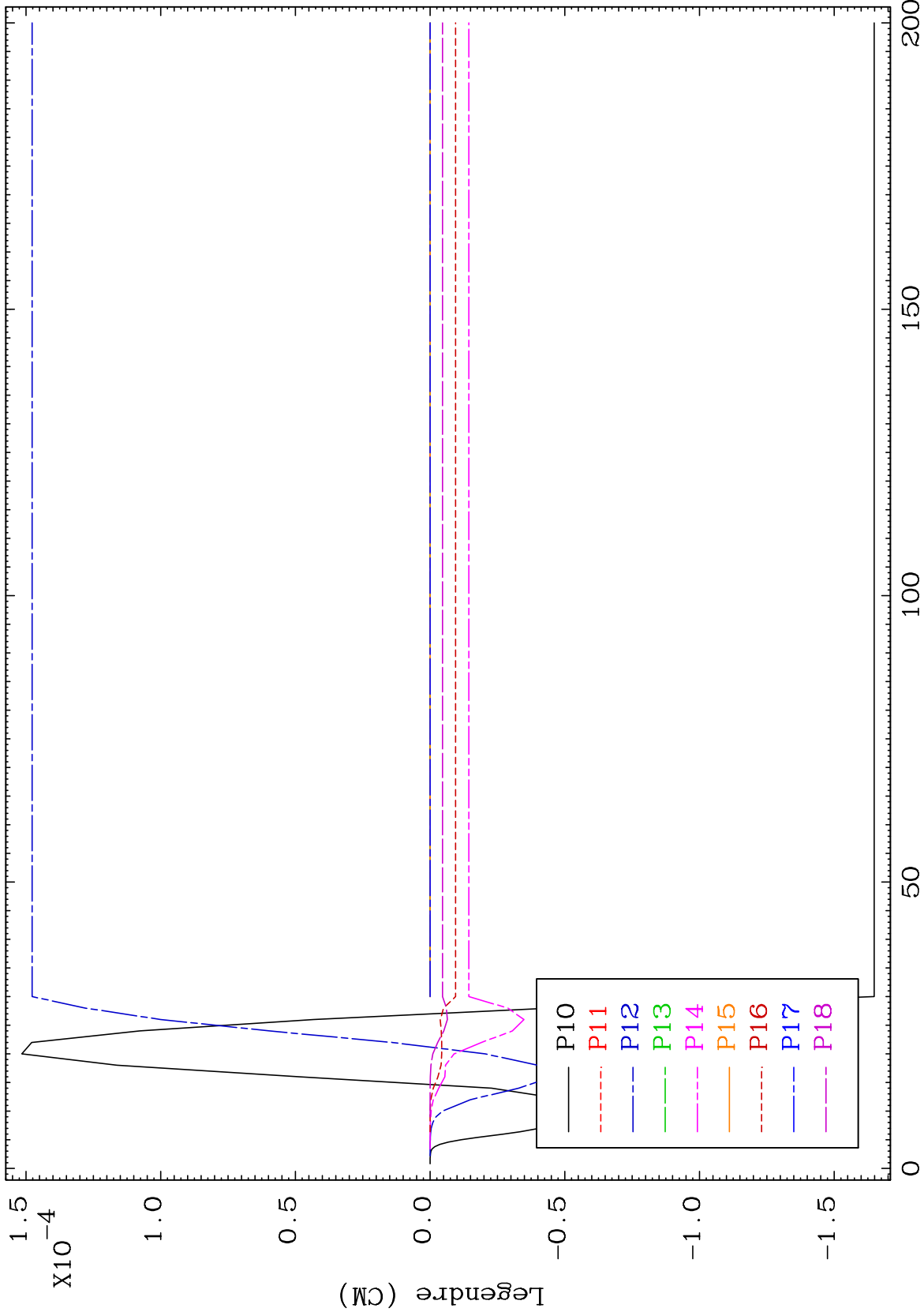
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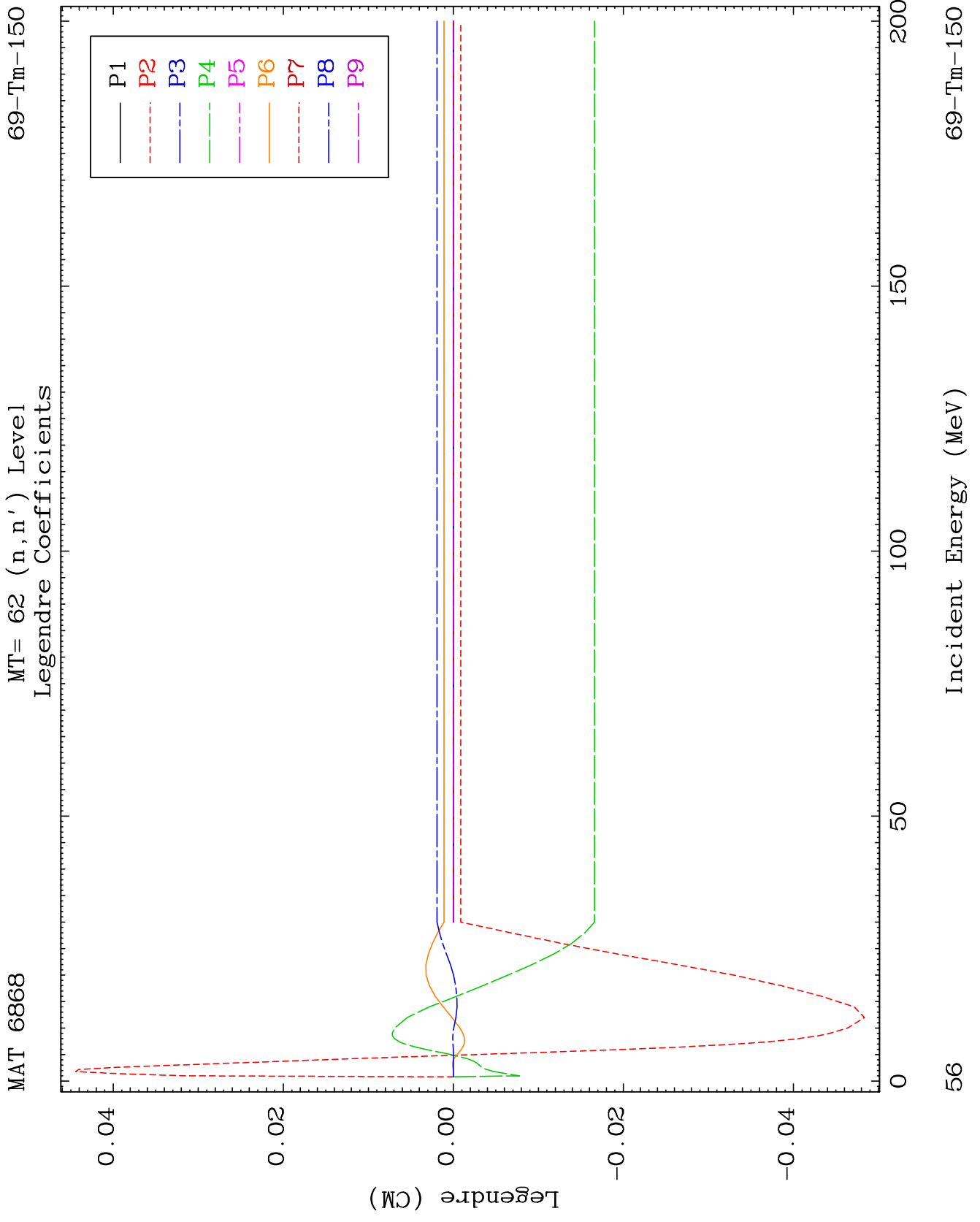


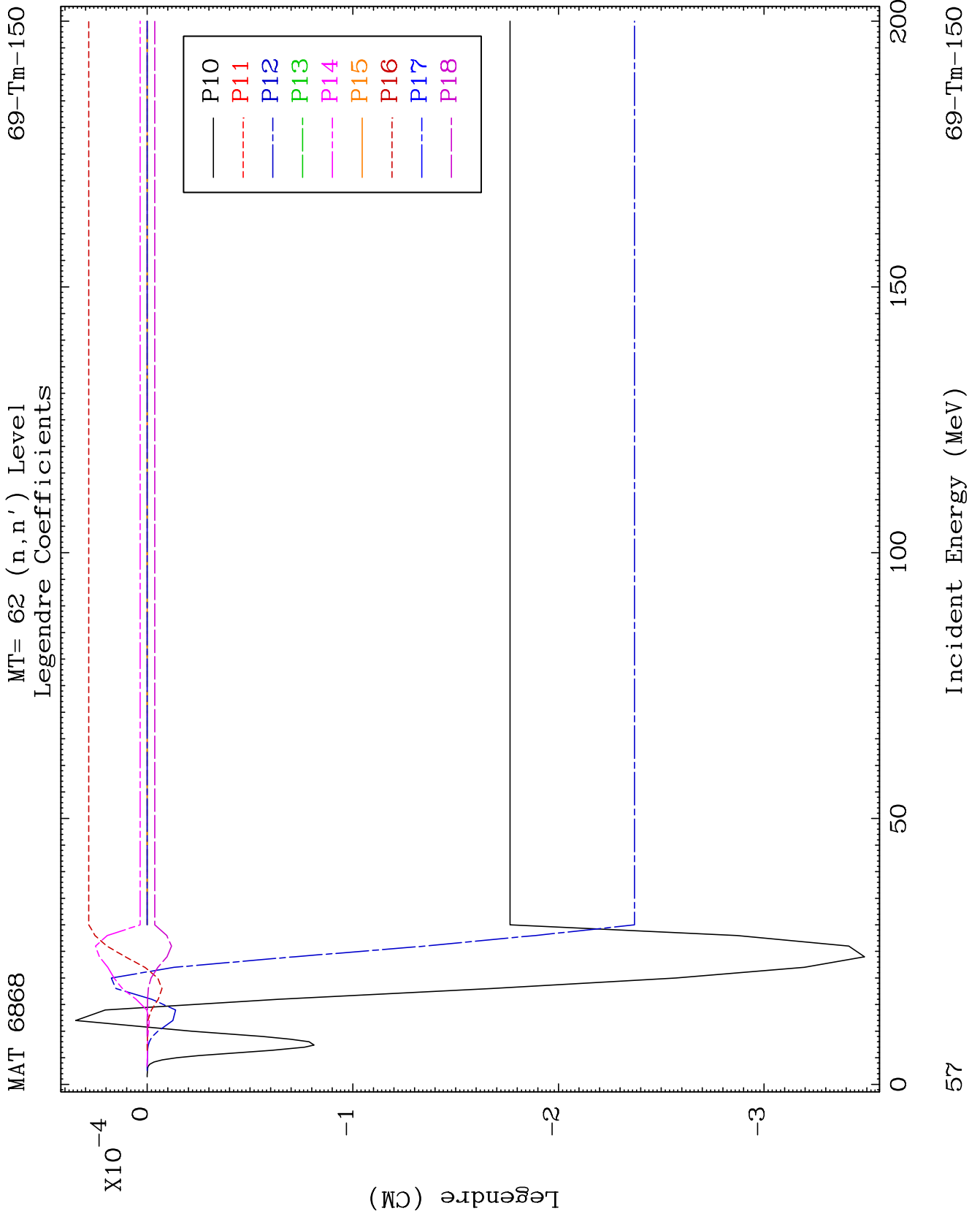
MAT 6868

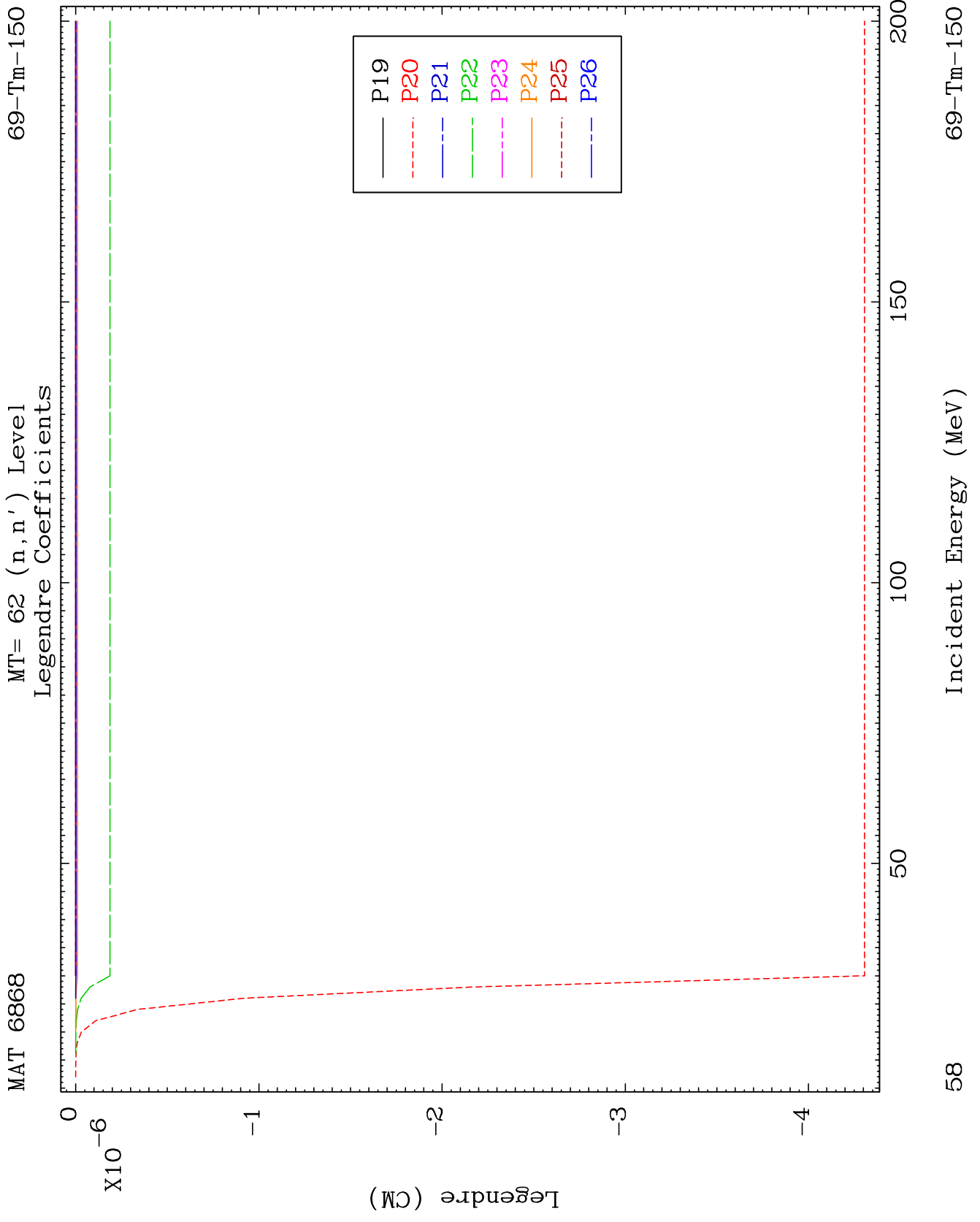
MT= 61 (n,n') Level
Legendre Coefficients

69-Tm-150





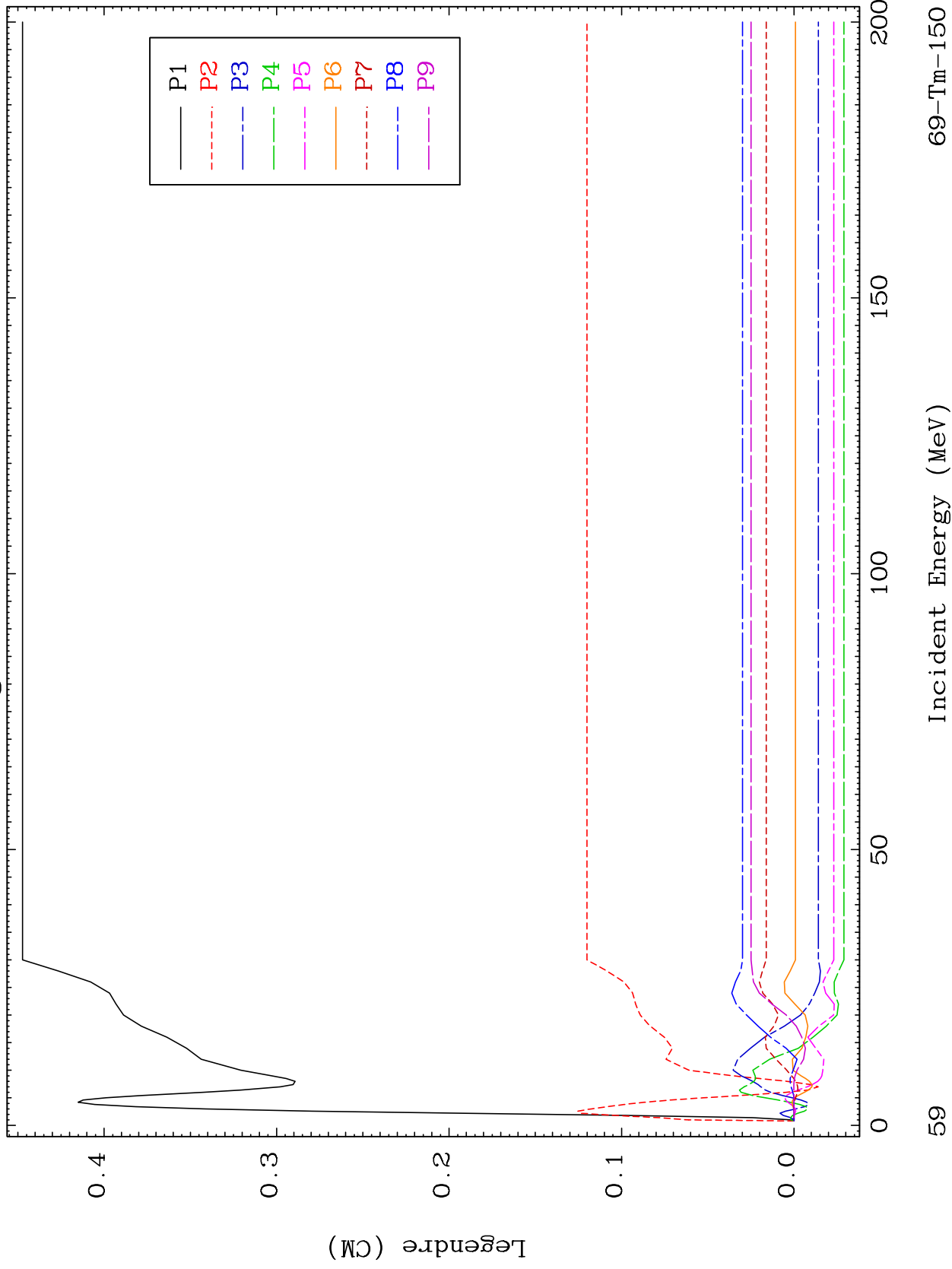




MAT 6868

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

69-Tm-150



59

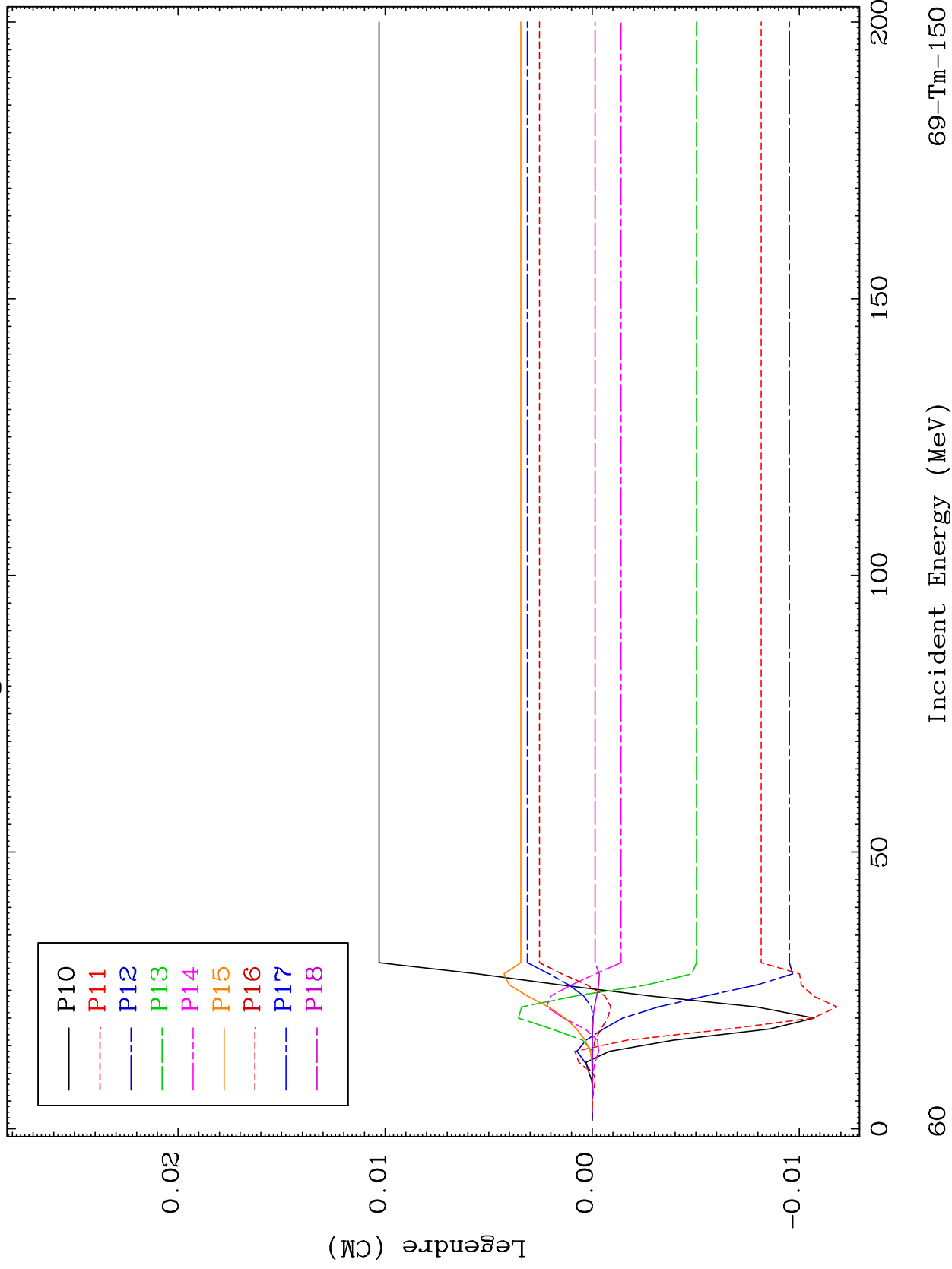
Incident Energy (MeV)

69-Tm-150

MAT 6868

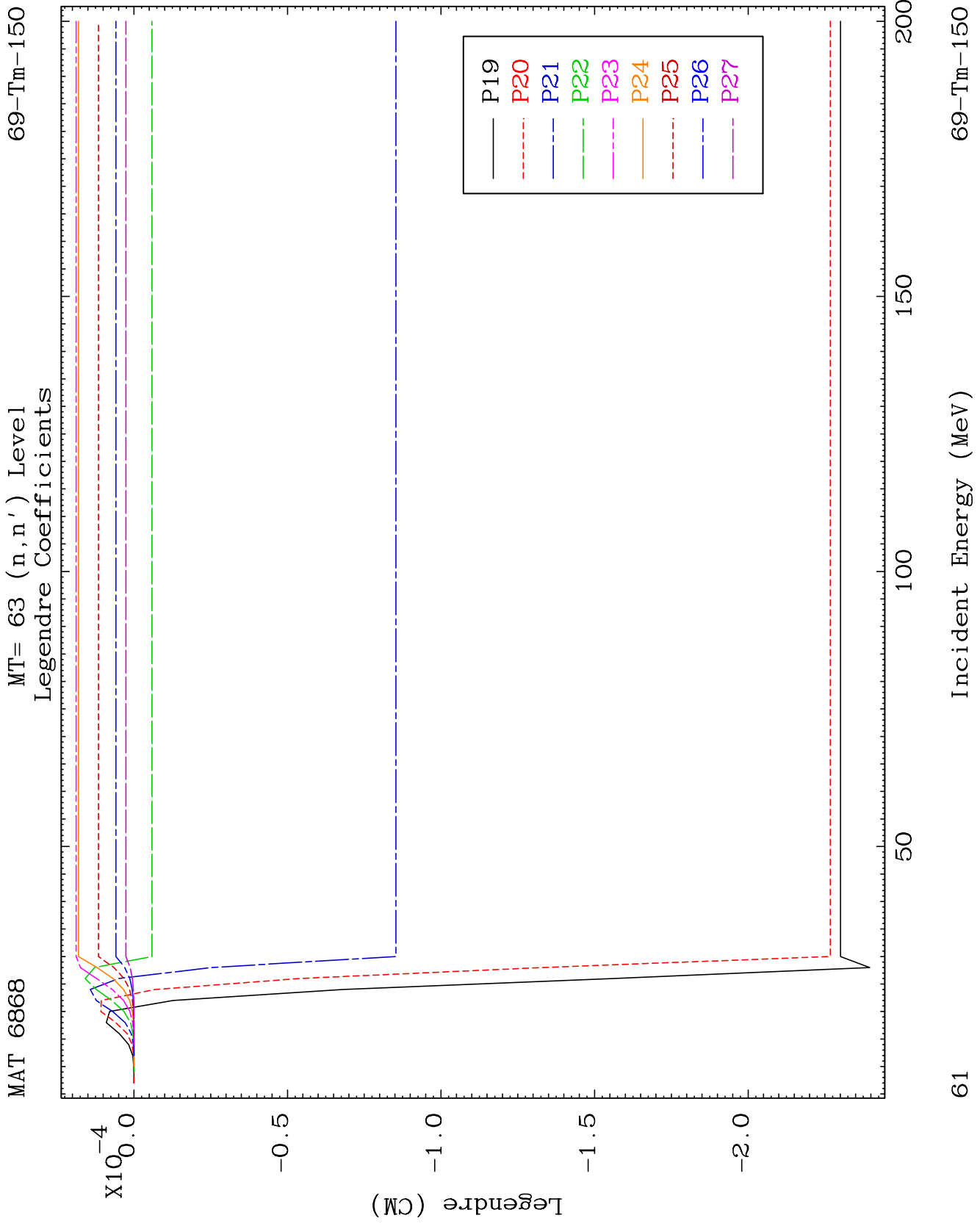
MT= 63 (n,n') Level
Legendre Coefficients

69-Tm-150



69-Tm-150

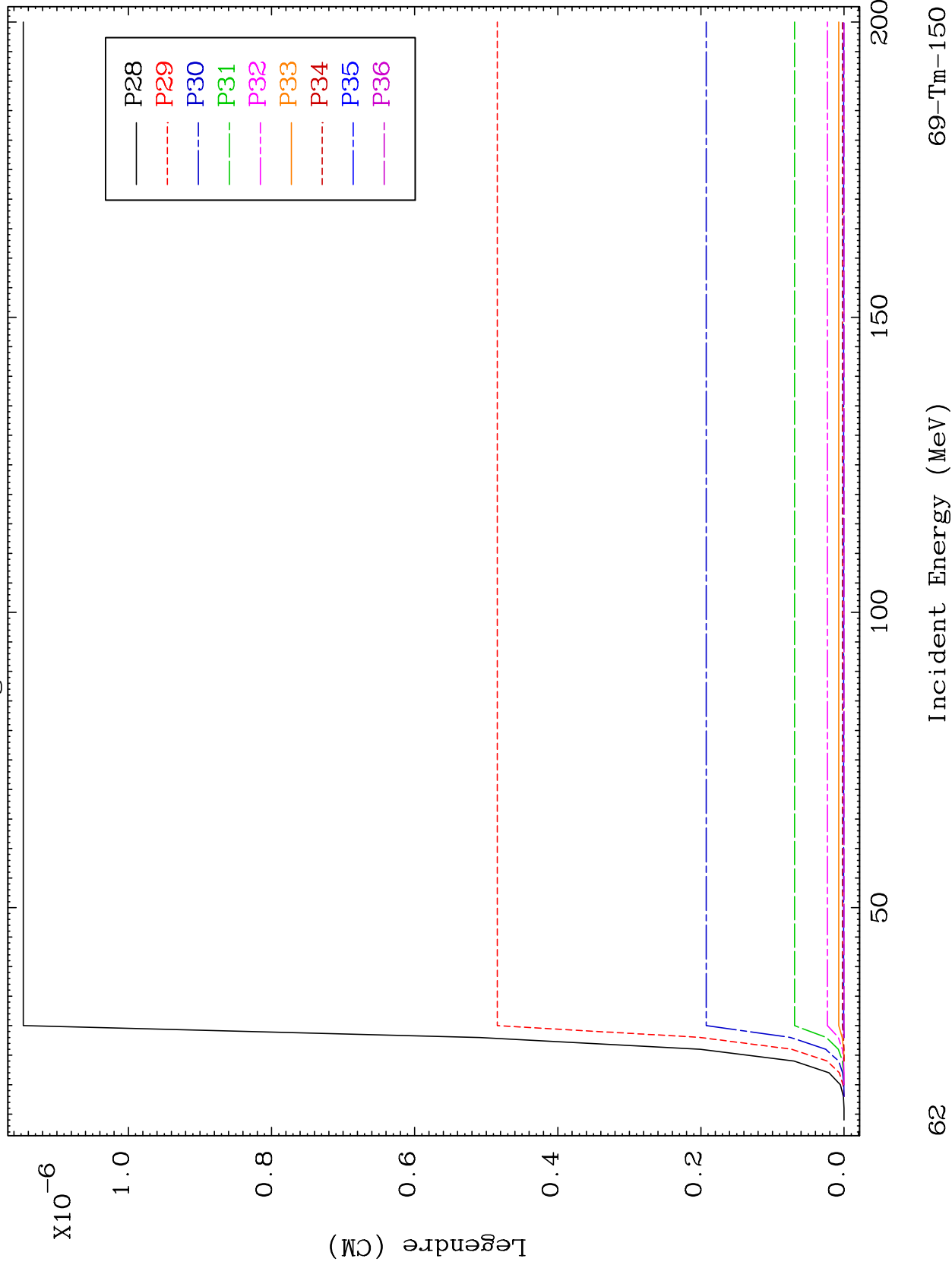
Incident Energy (MeV)



MAT 6868

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

69-Tm-150



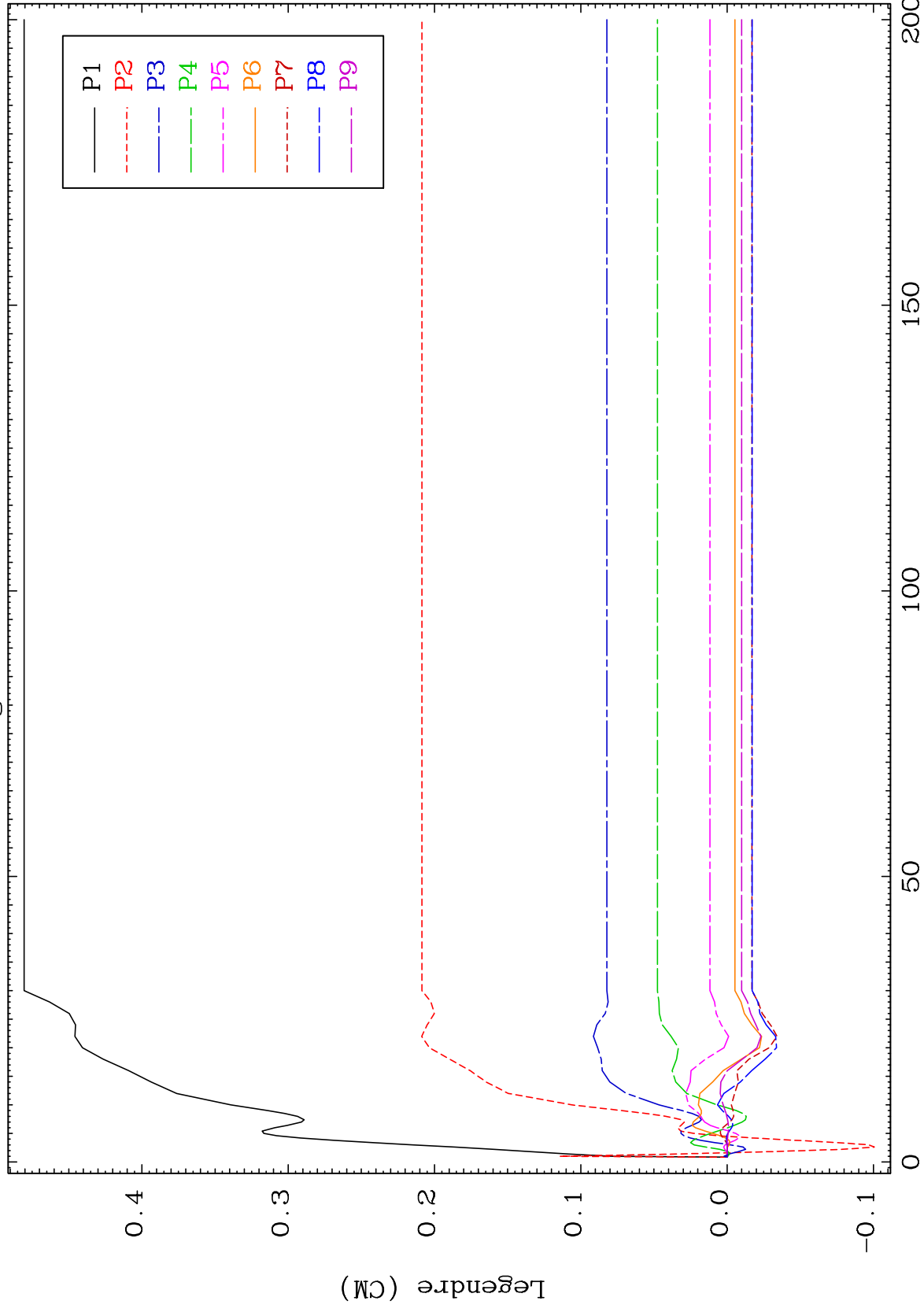
62

69-Tm-150

MAT 6868

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

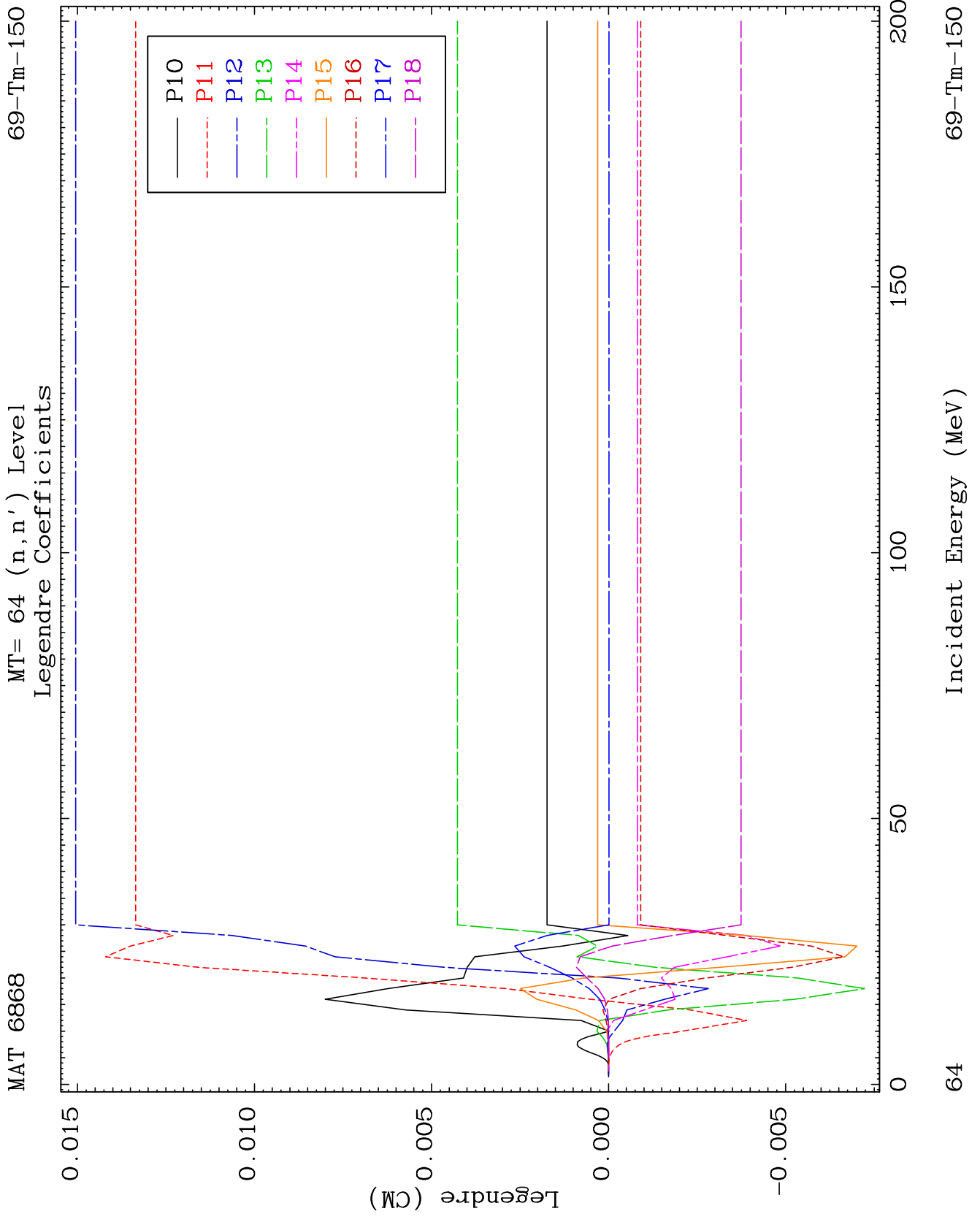
69-Tm-150



63

Incident Energy (MeV)

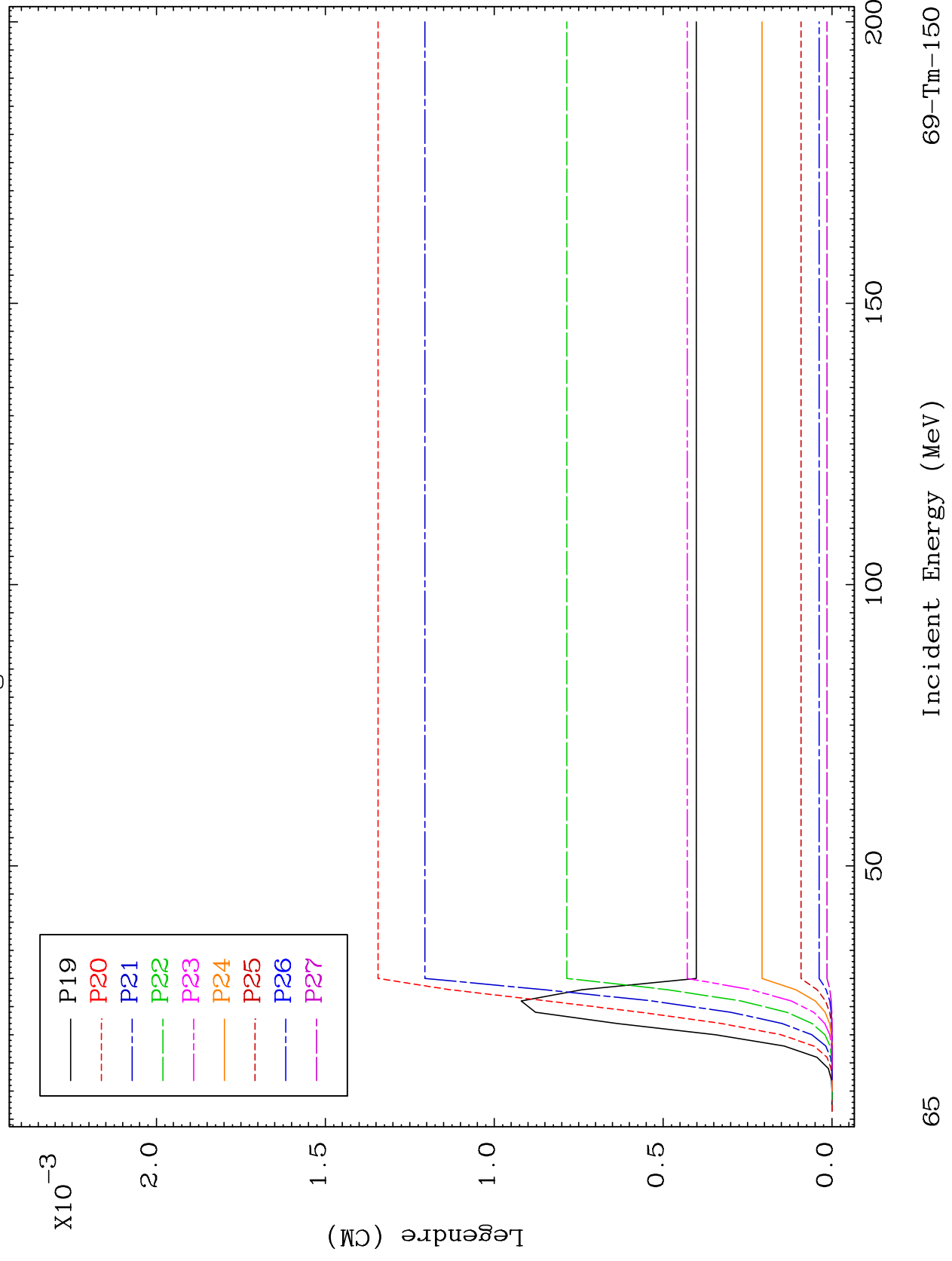
69-Tm-150



MAT 6868

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

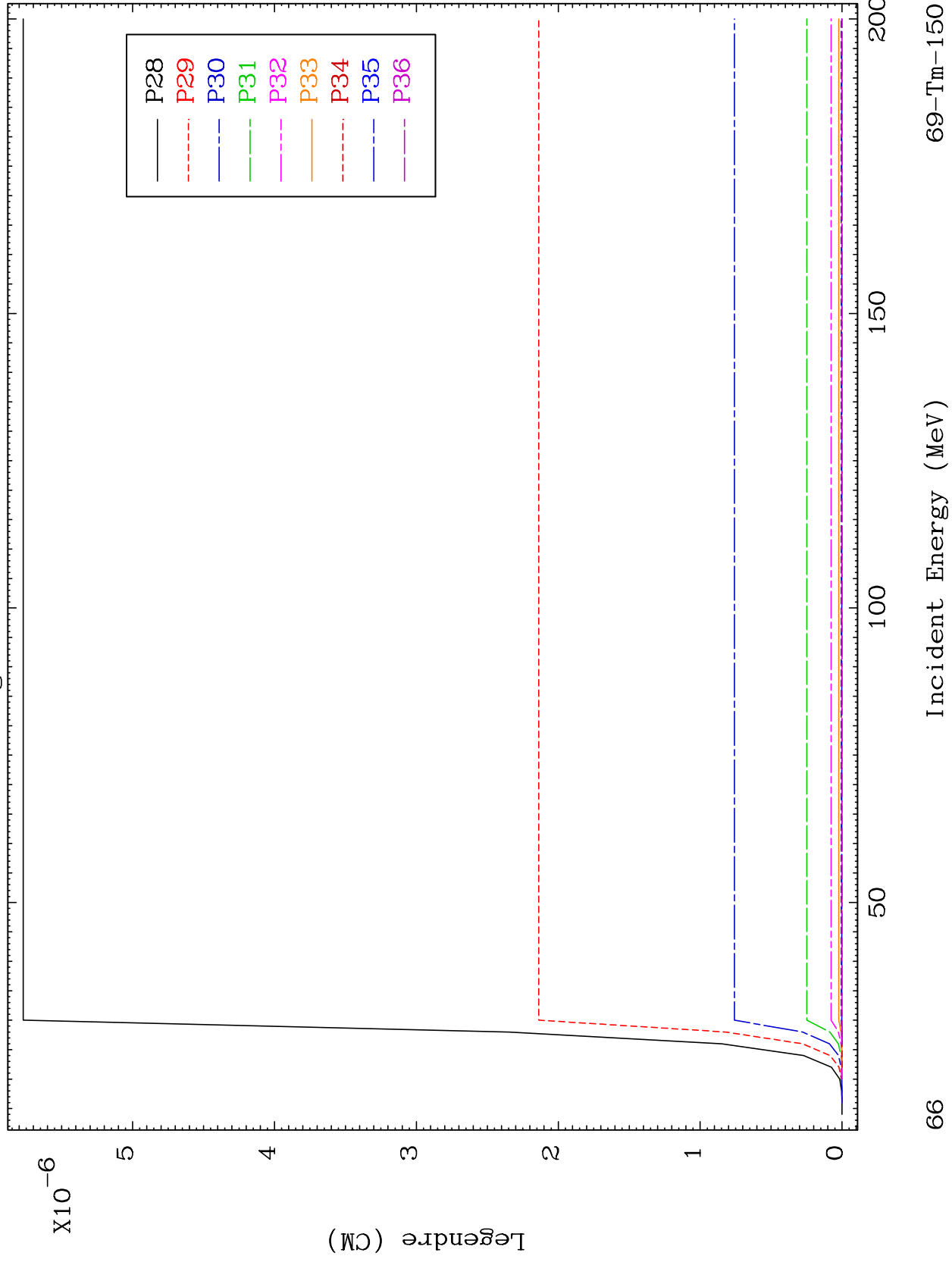
69-Tm-150



MAT 6868

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

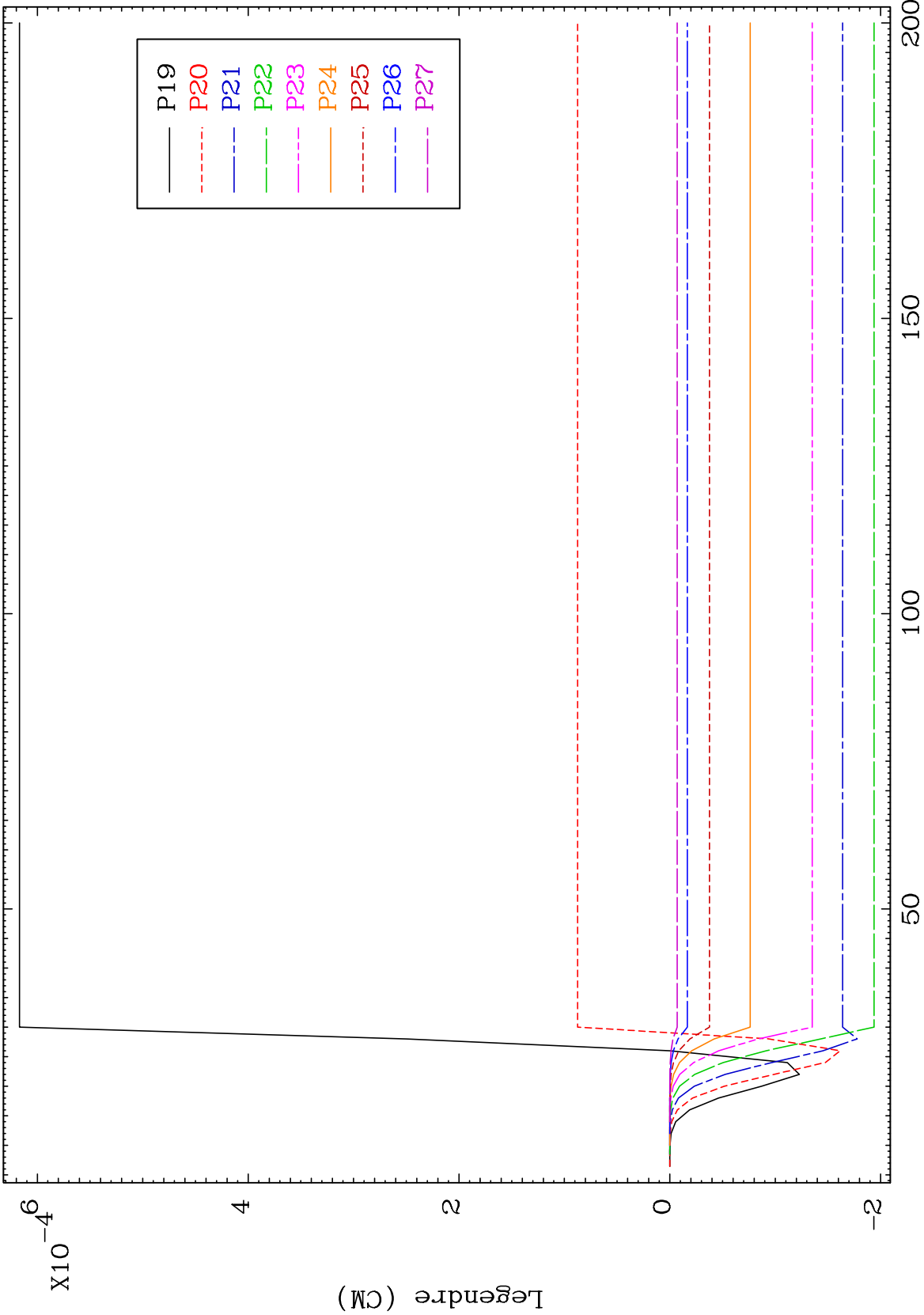
69-Tm-150



MAT 6868

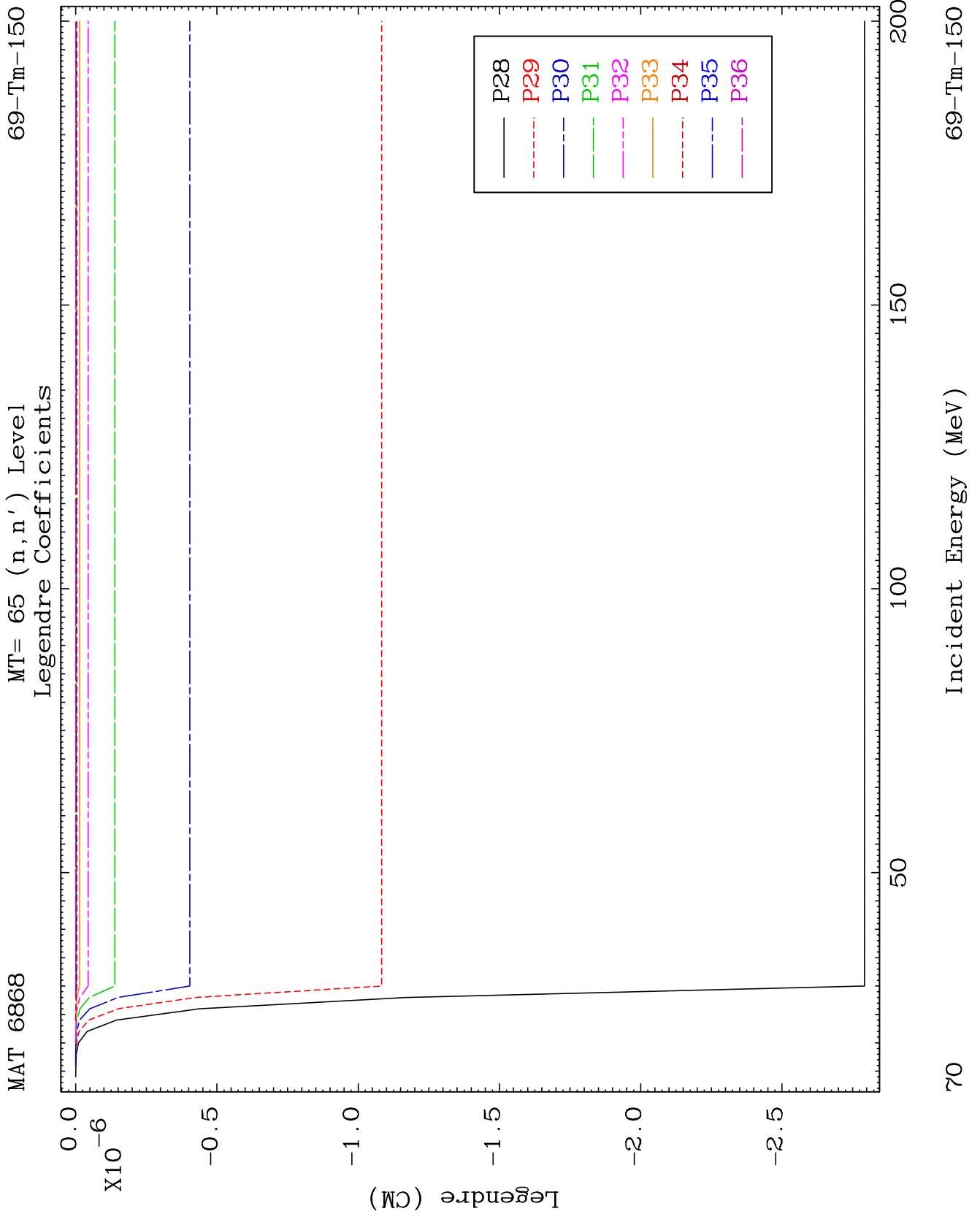
MT= 65 (n,n') Level
Legendre Coefficients

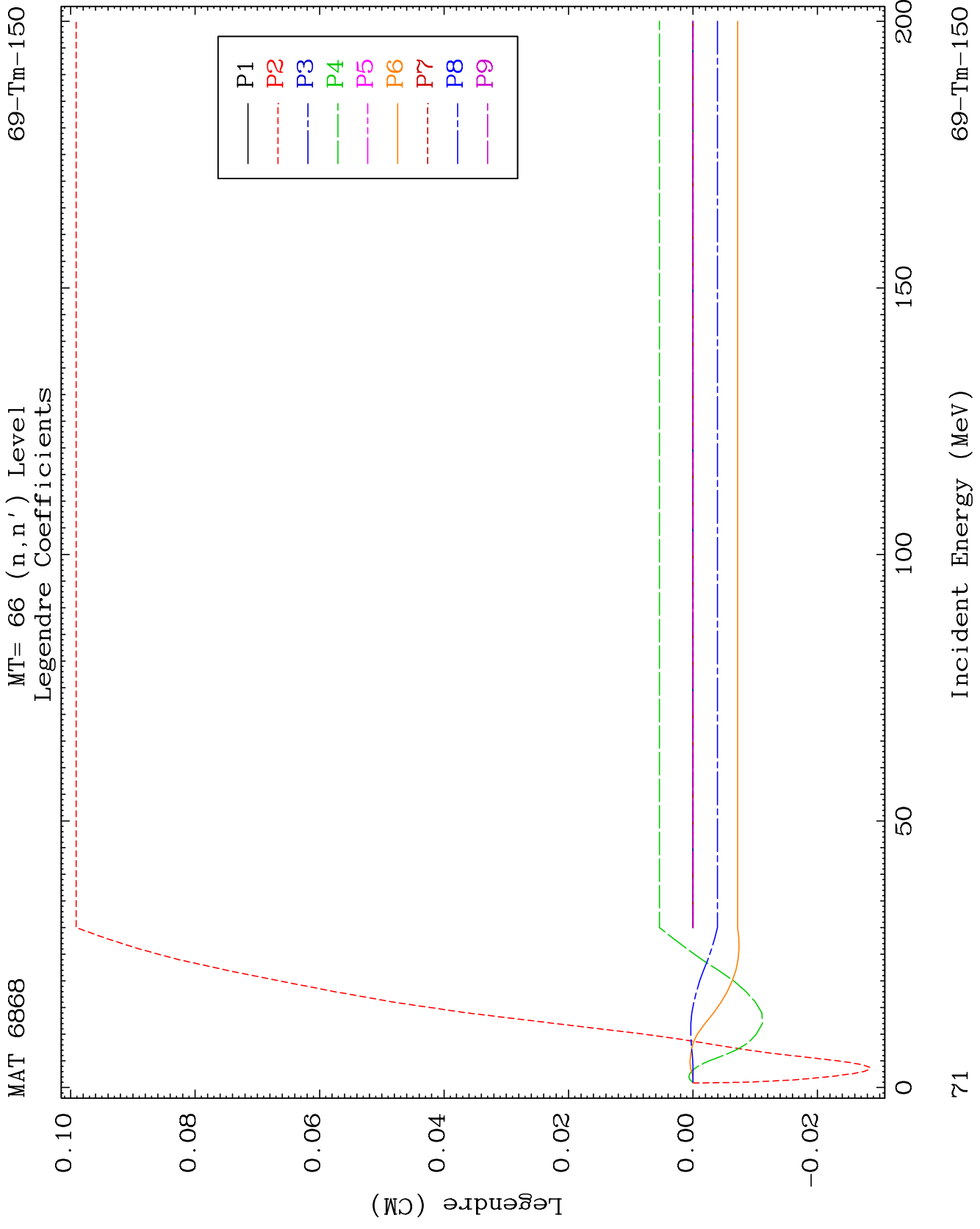
69-Tm-150



69

69-Tm-150

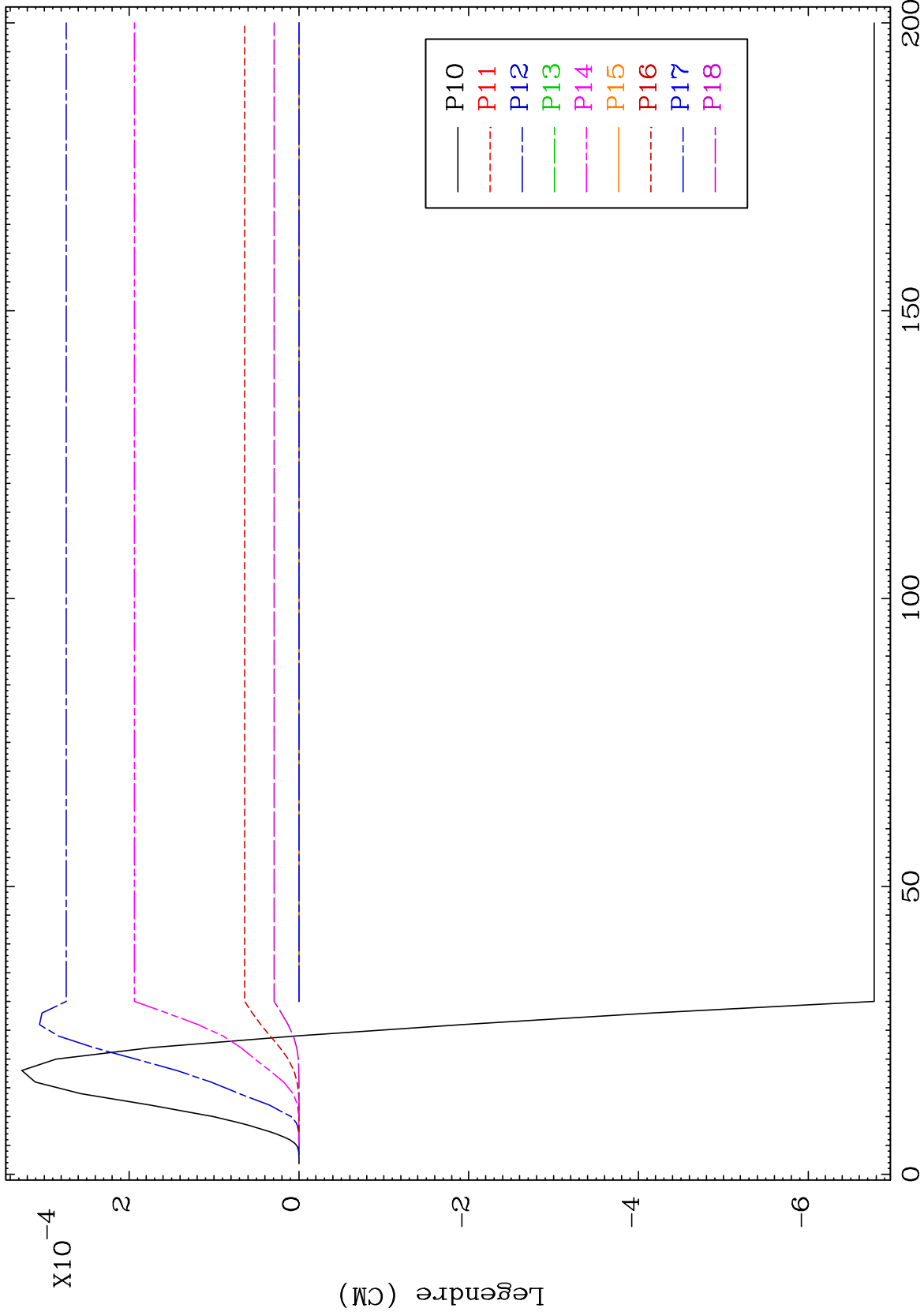




MAT 6868

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

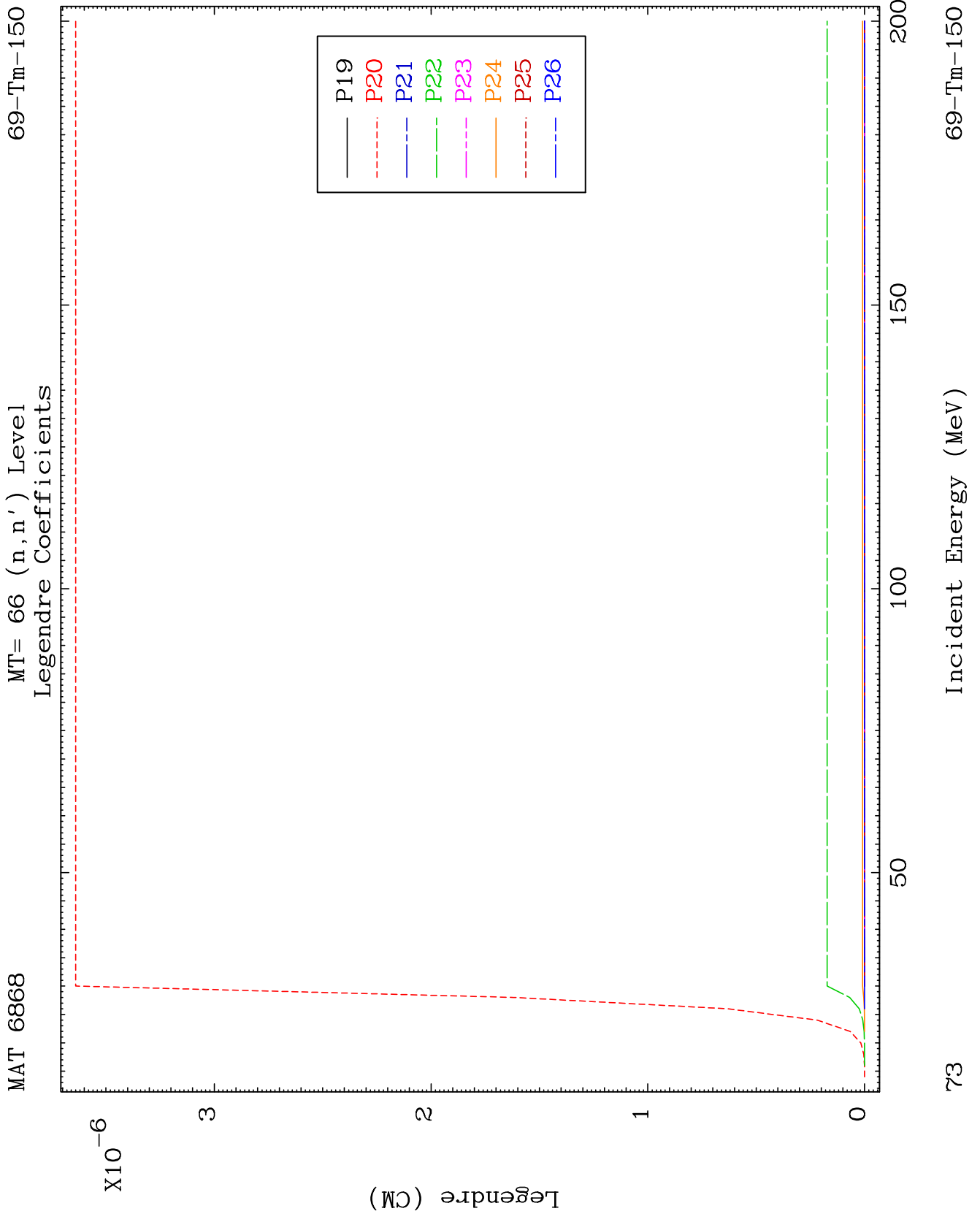
69-Tm-150



72

Incident Energy (MeV)

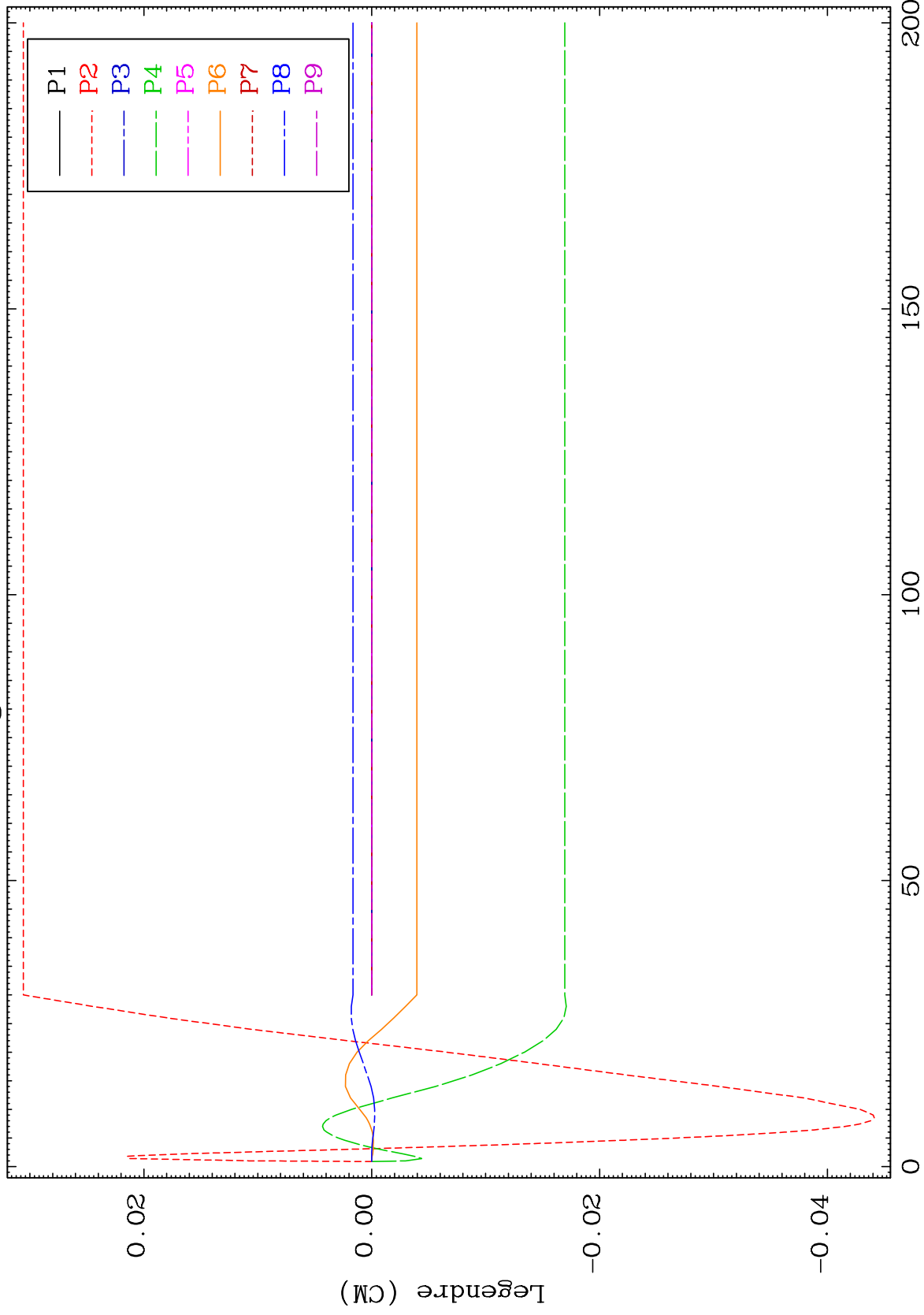
69-Tm-150



MAT 6868

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

69-Tm-150



74

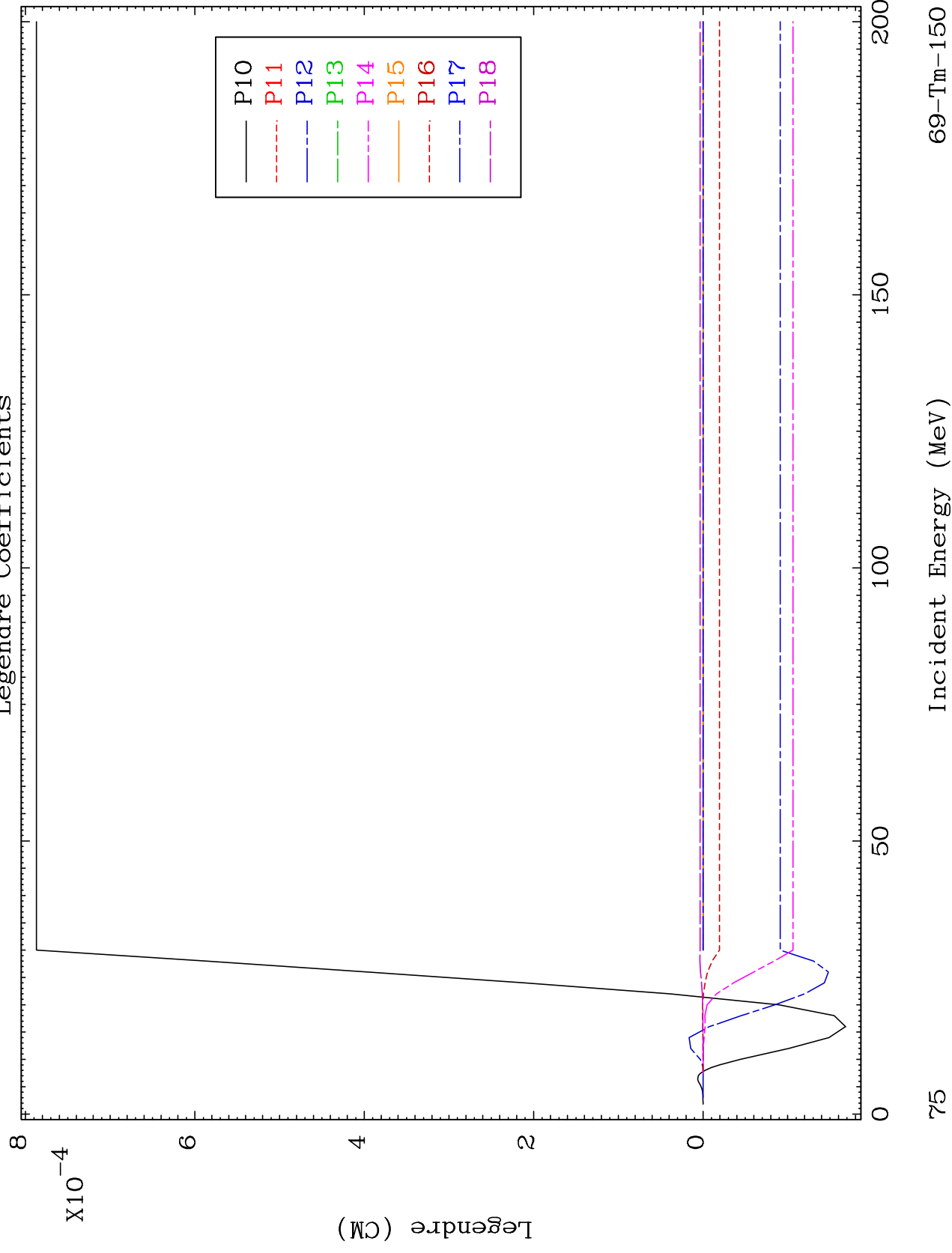
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

69-Tm-150



69-Tm-150

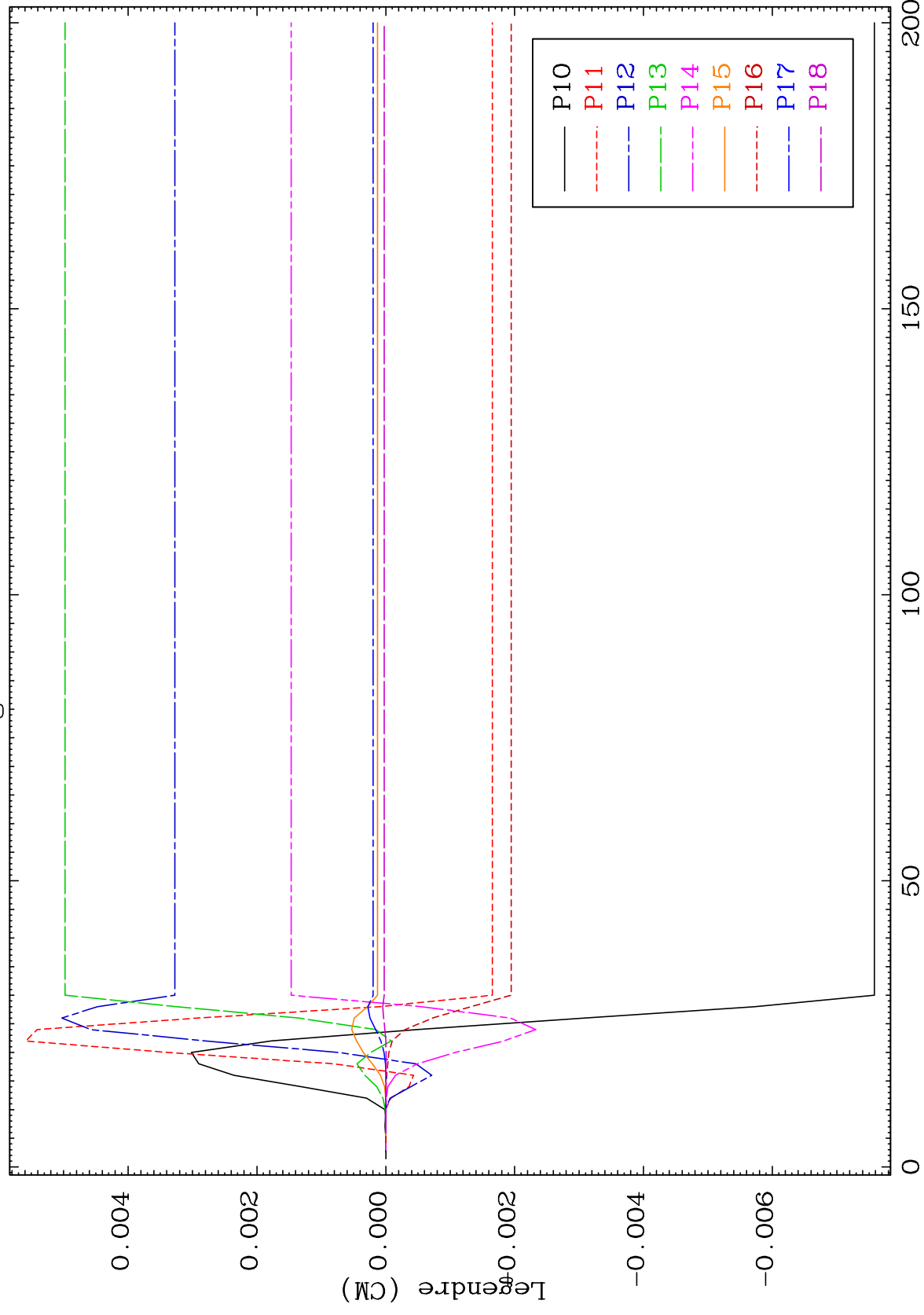
Incident Energy (MeV)

75

MAT 6868

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

69-Tm-150



78

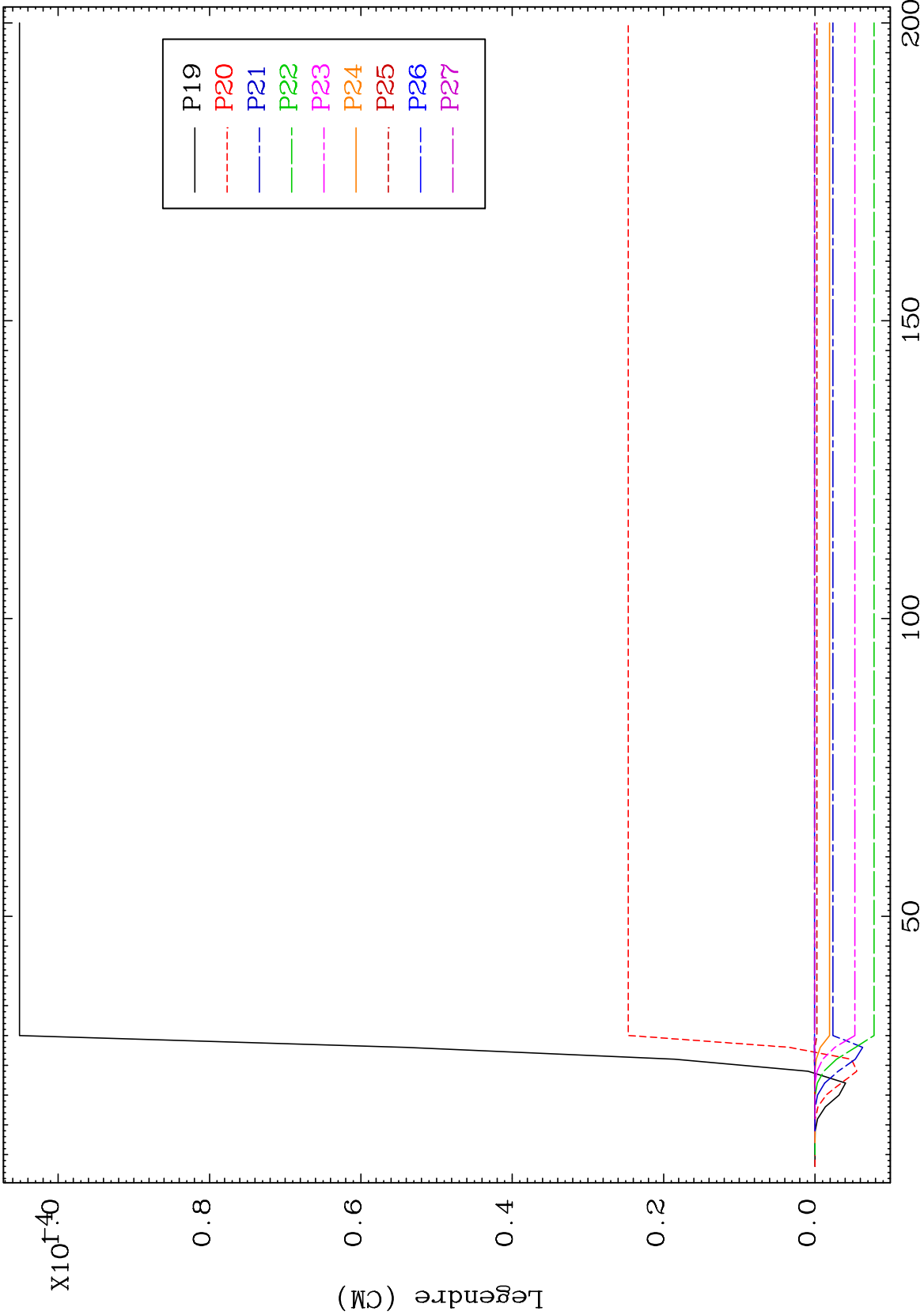
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

69-Tm-150



79

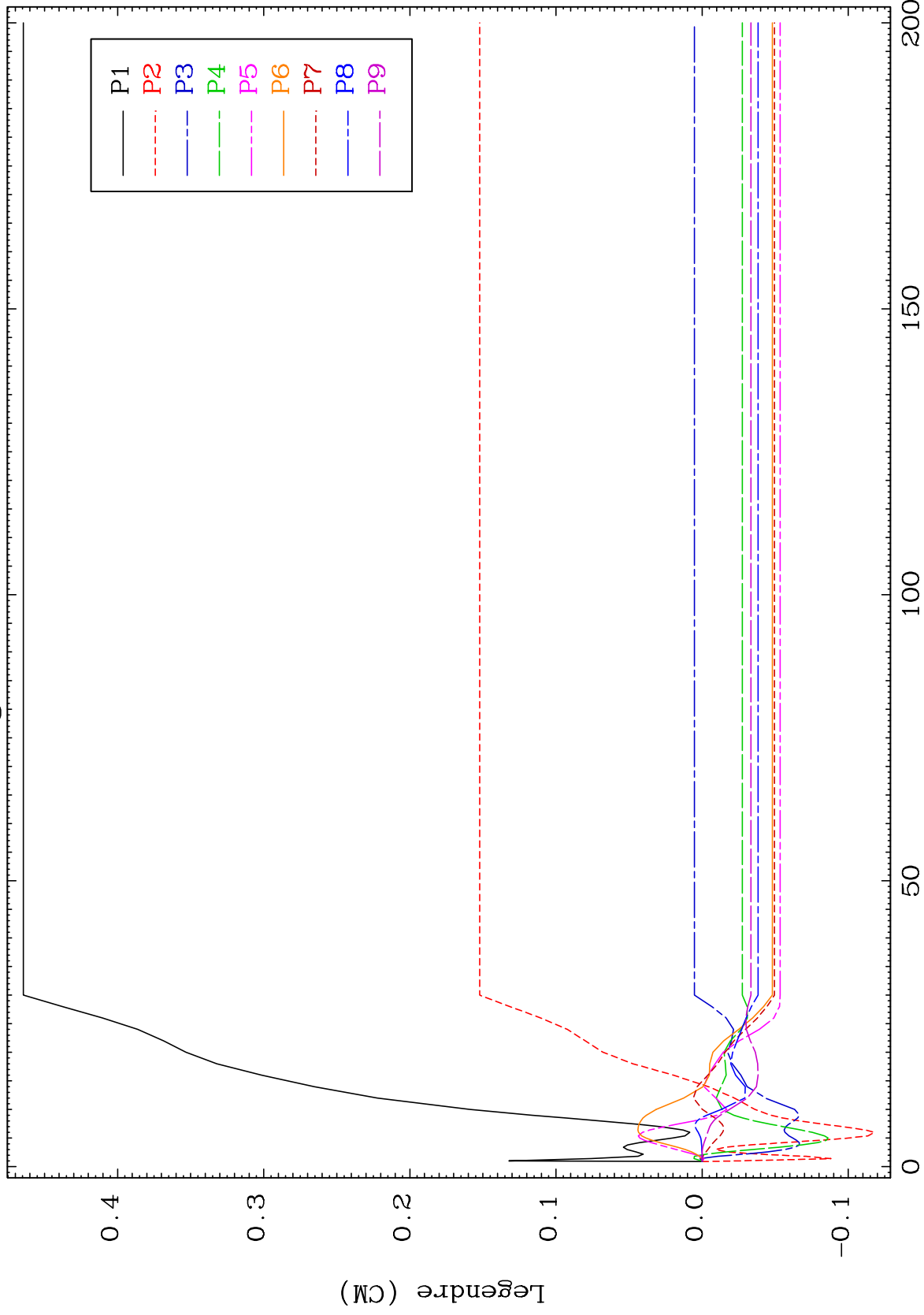
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

69-Tm-150



81

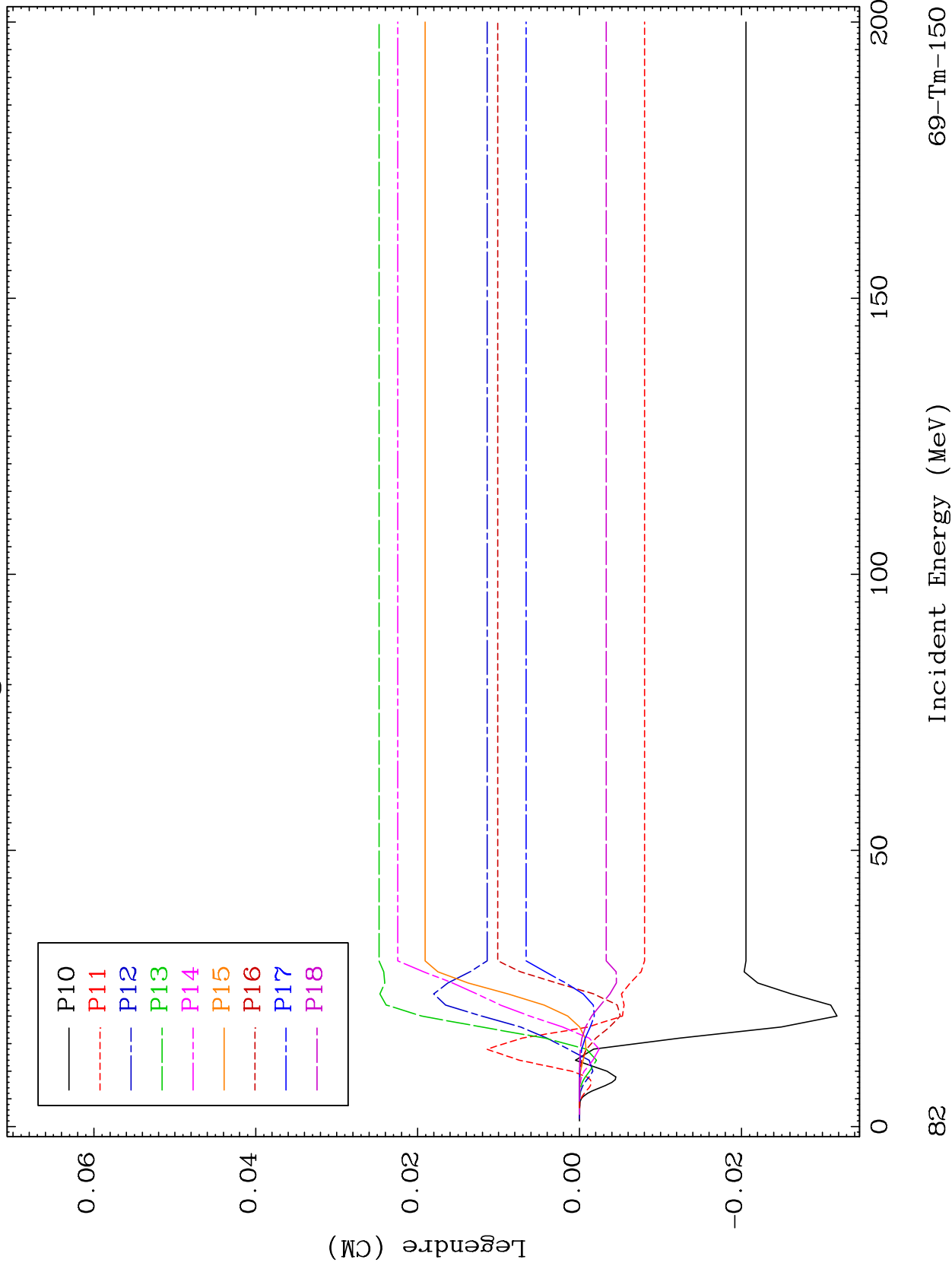
Incident Energy (MeV)

69-Tm-150

MAT 6868

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

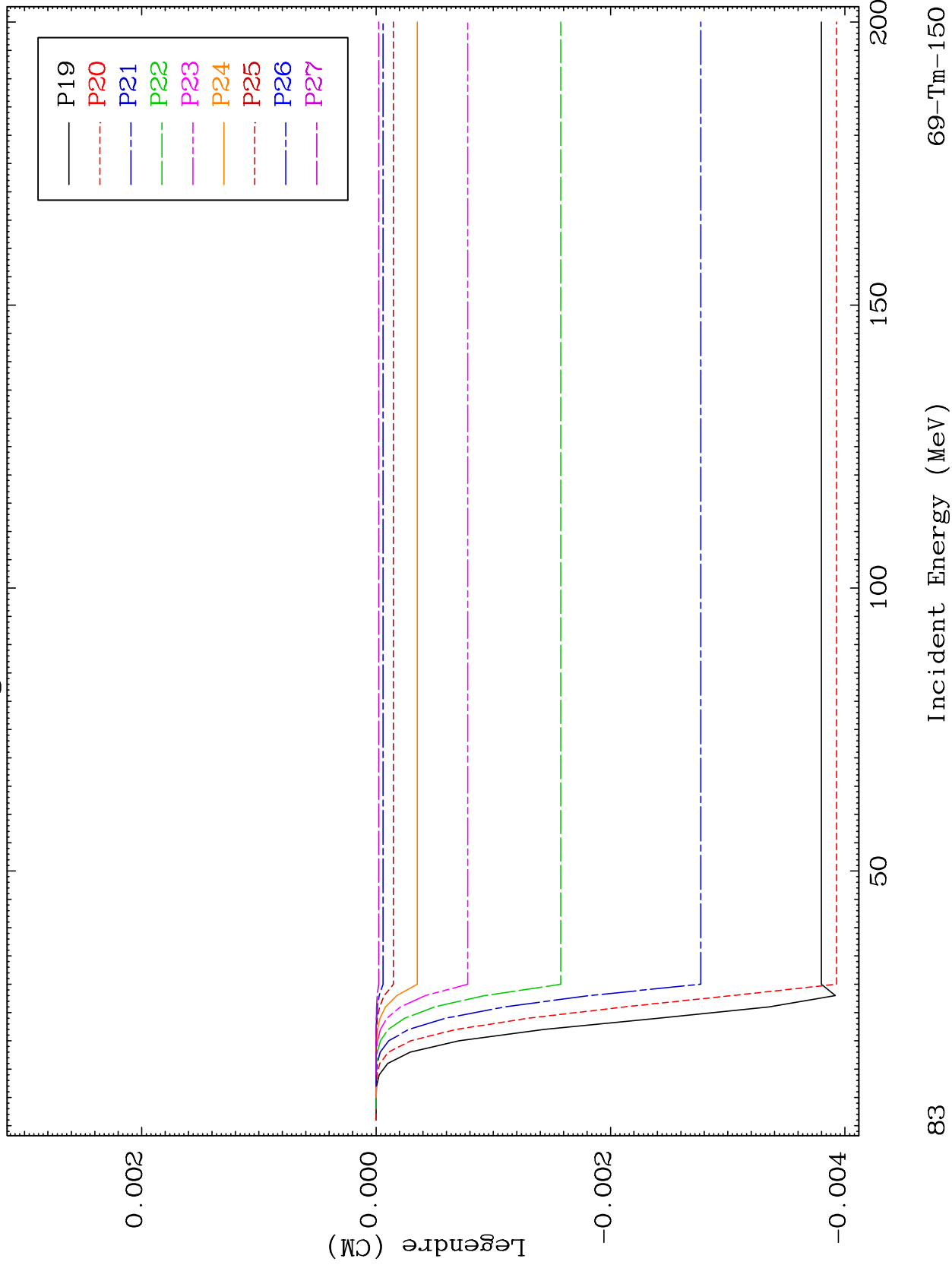
69-Tm-150

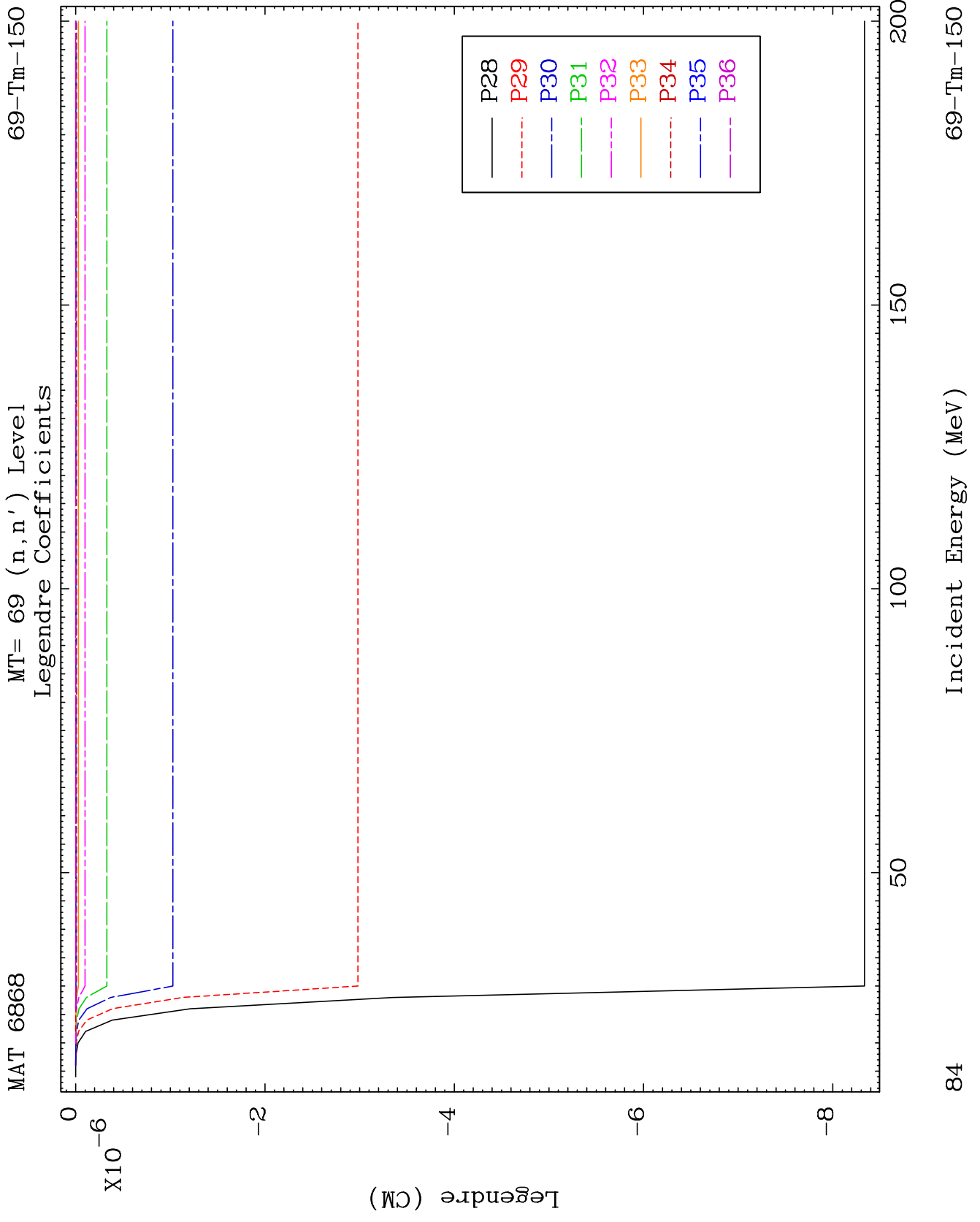


MAT 6868

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

69-Tm-150



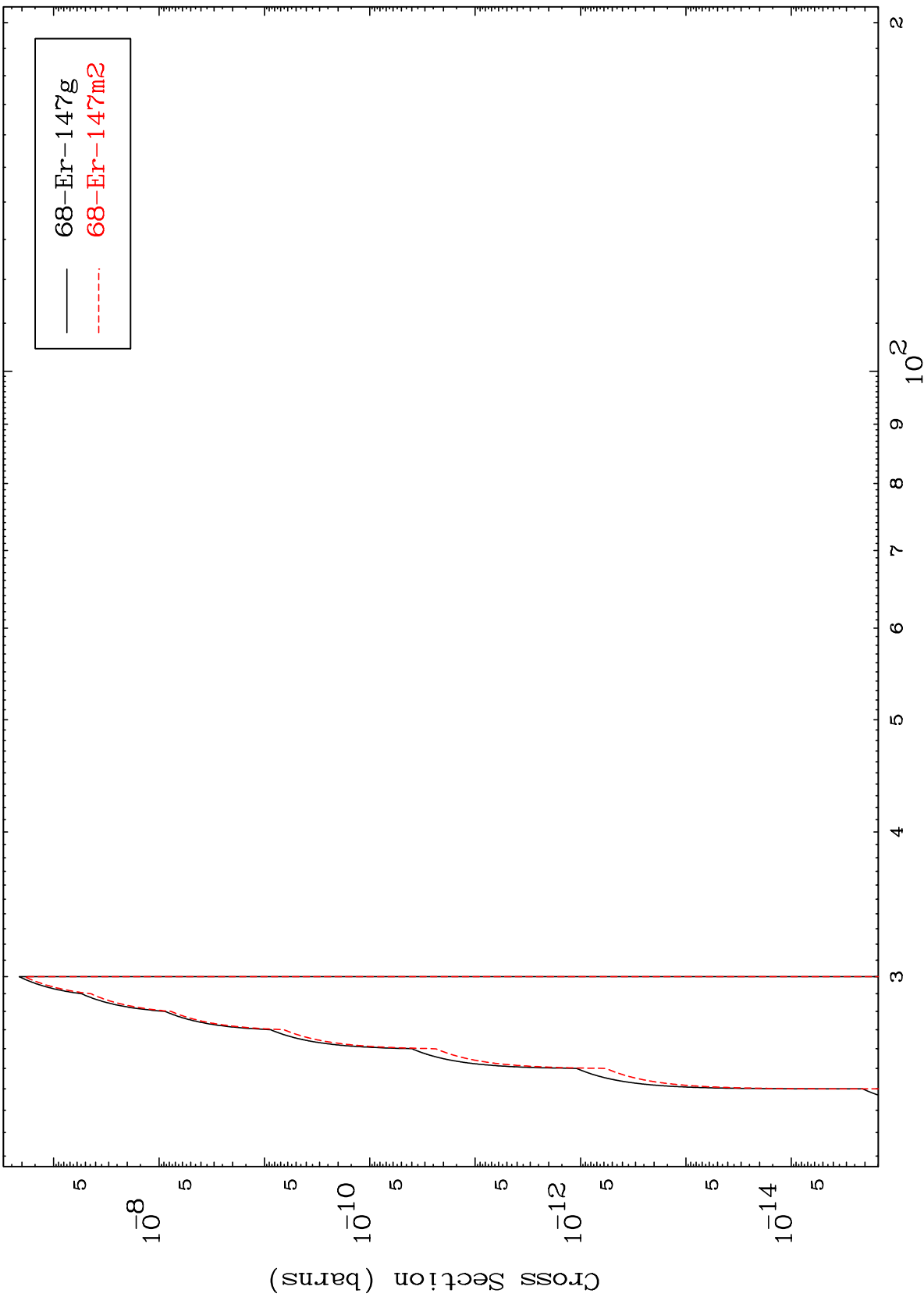


MAT 6868

(n,2n) d

69-Tm-150

Radionuclide Production Cross Section



85

Incident Energy (MeV)

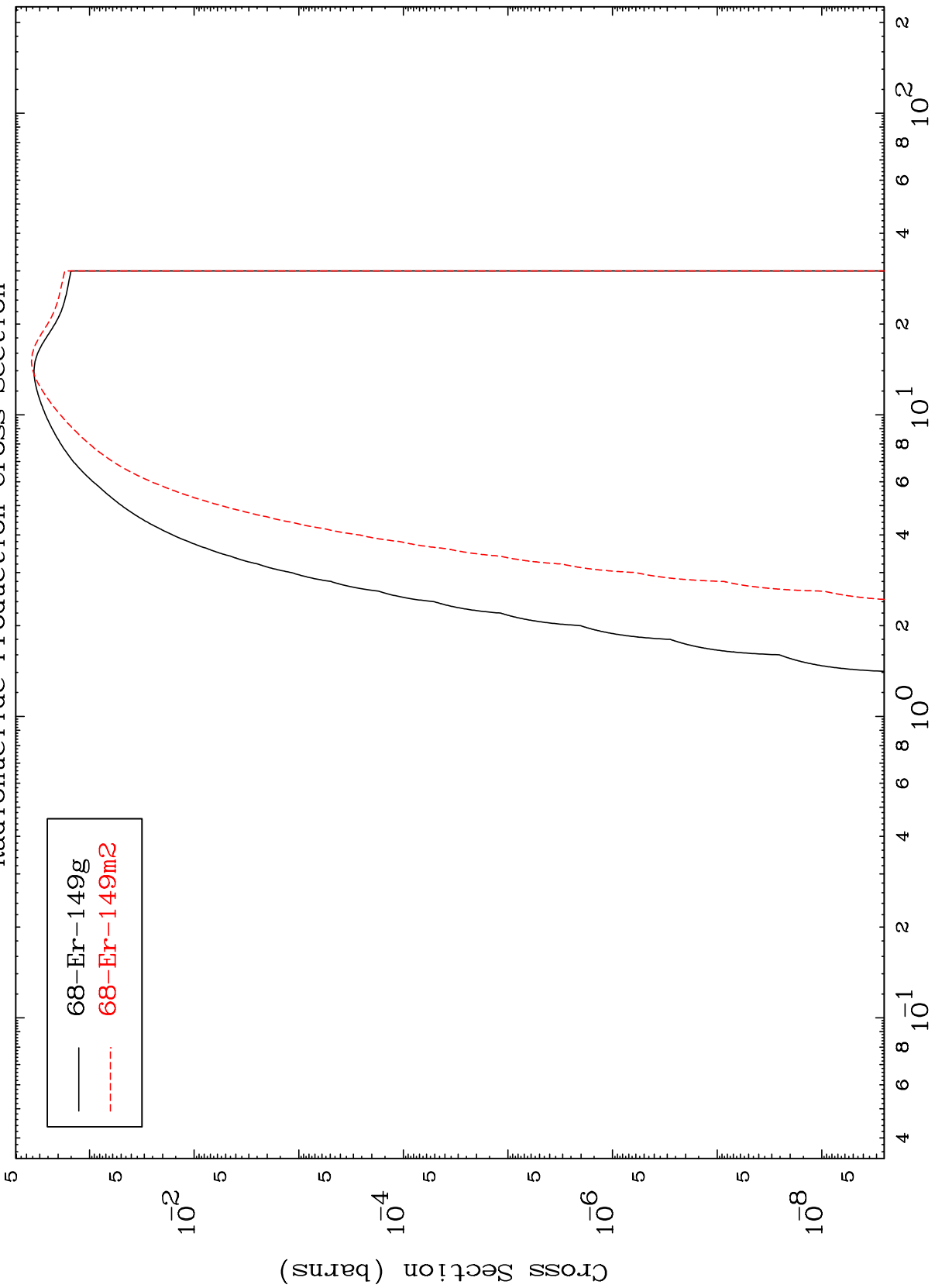
69-Tm-150

MAT 6868

(n,n') p

69-Tm-150

Radionuclide Production Cross Section



86

Incident Energy (MeV)

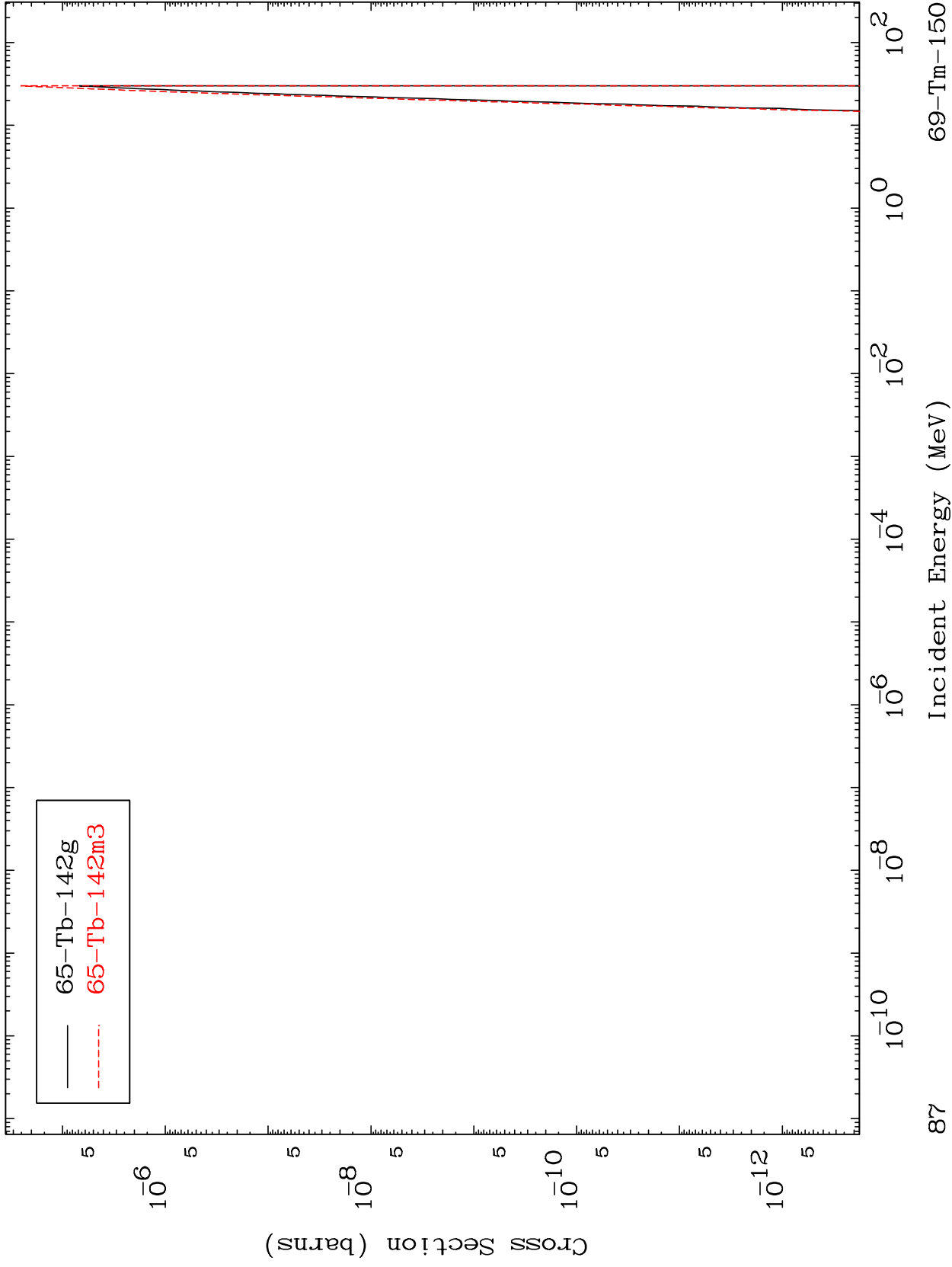
69-Tm-150

MAT 6868

(n,n') 2 α

69-Tm-150

Radionuclide Production Cross Section

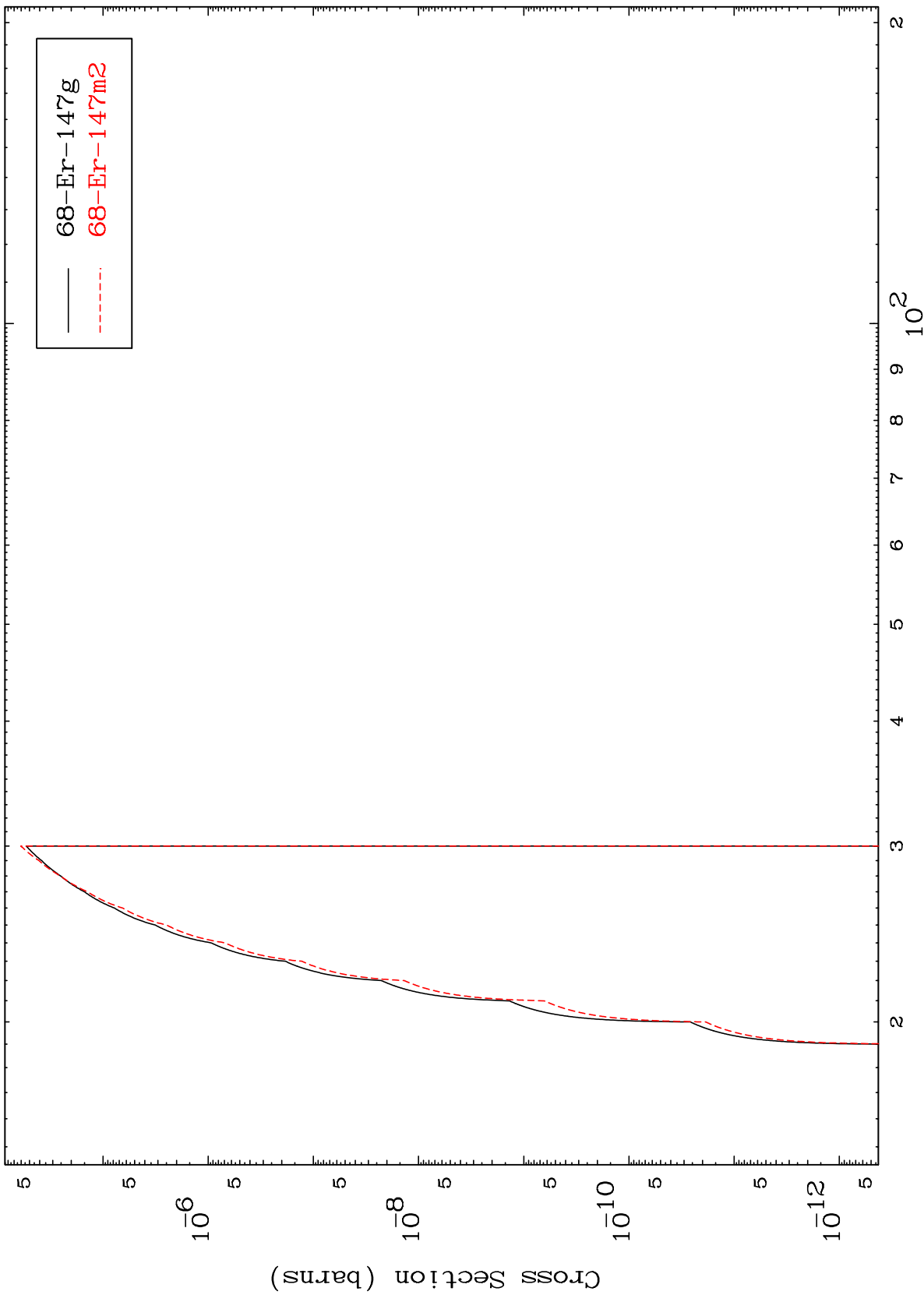


MAT 6868

(n,n') t

69-Tm-150

Radionuclide Production Cross Section



88

Incident Energy (MeV)

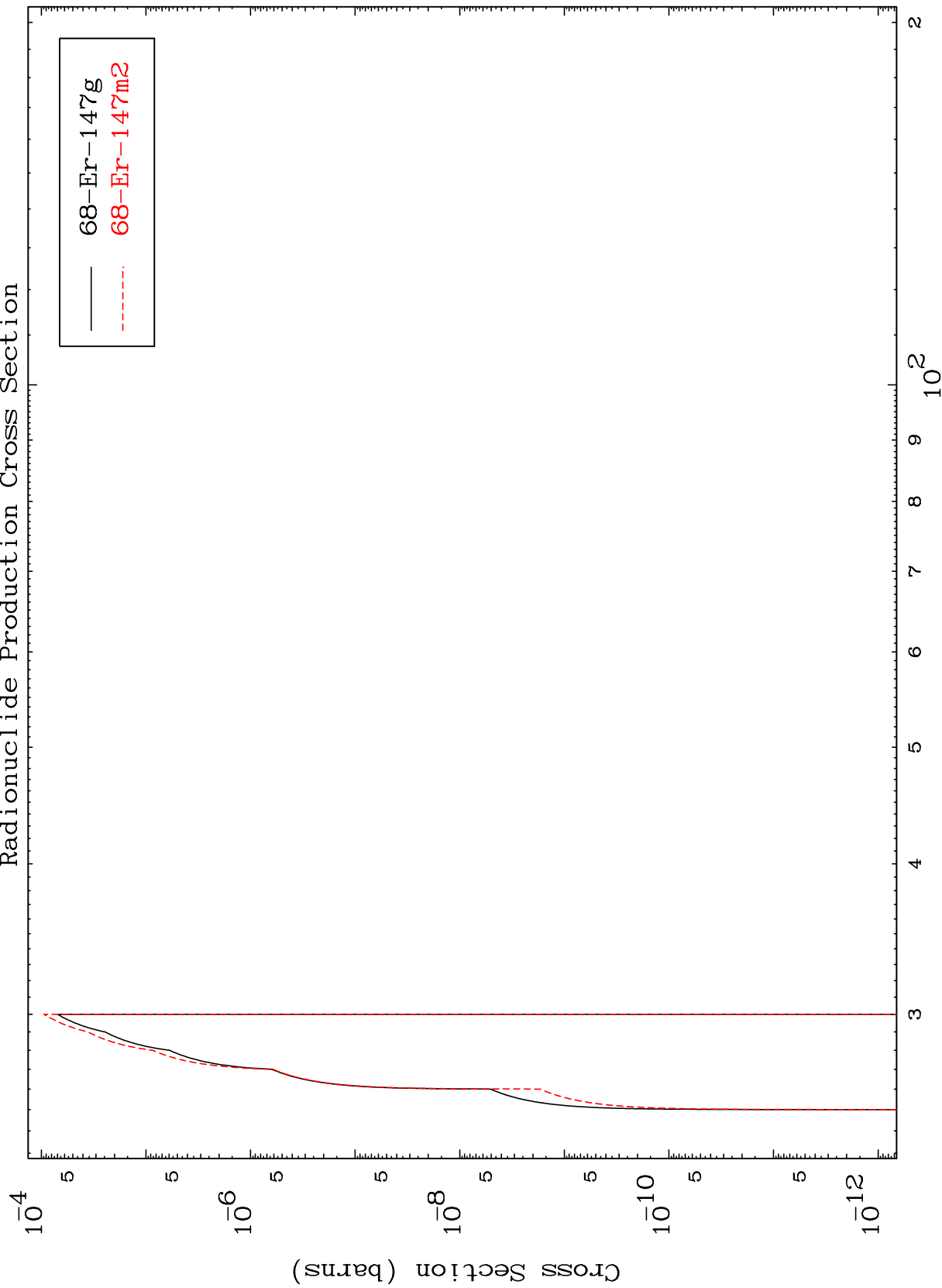
69-Tm-150

MAT 6868

(n,3n) p

69-Tm-150

Radionuclide Production Cross Section



89

Incident Energy (MeV)

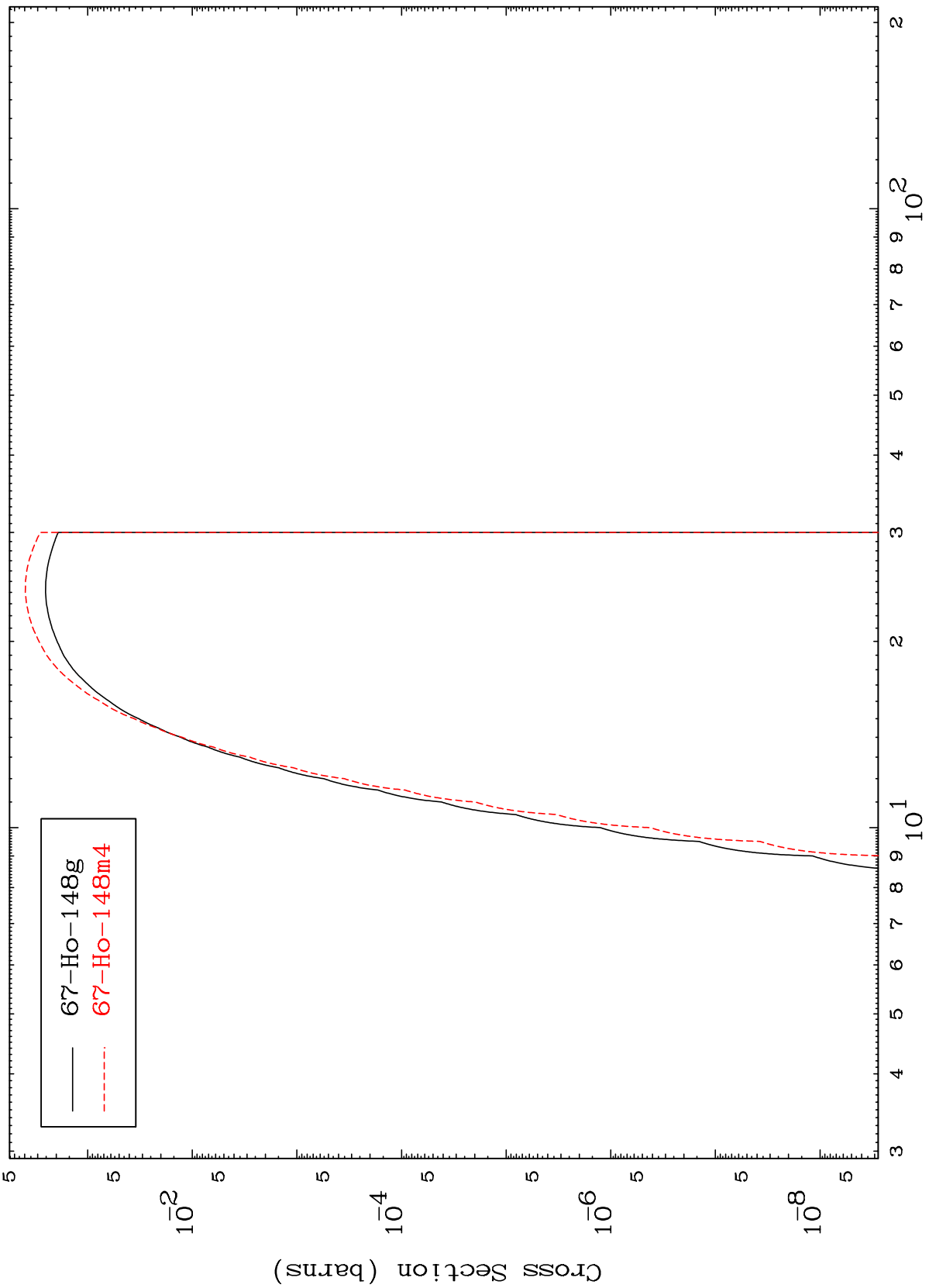
69-Tm-150

MAT 6868

$(n,2n)$ p

69-Tm-150

Radionuclide Production Cross Section



67-Ho-148g
67-Ho-148m4

90

Incident Energy (MeV)

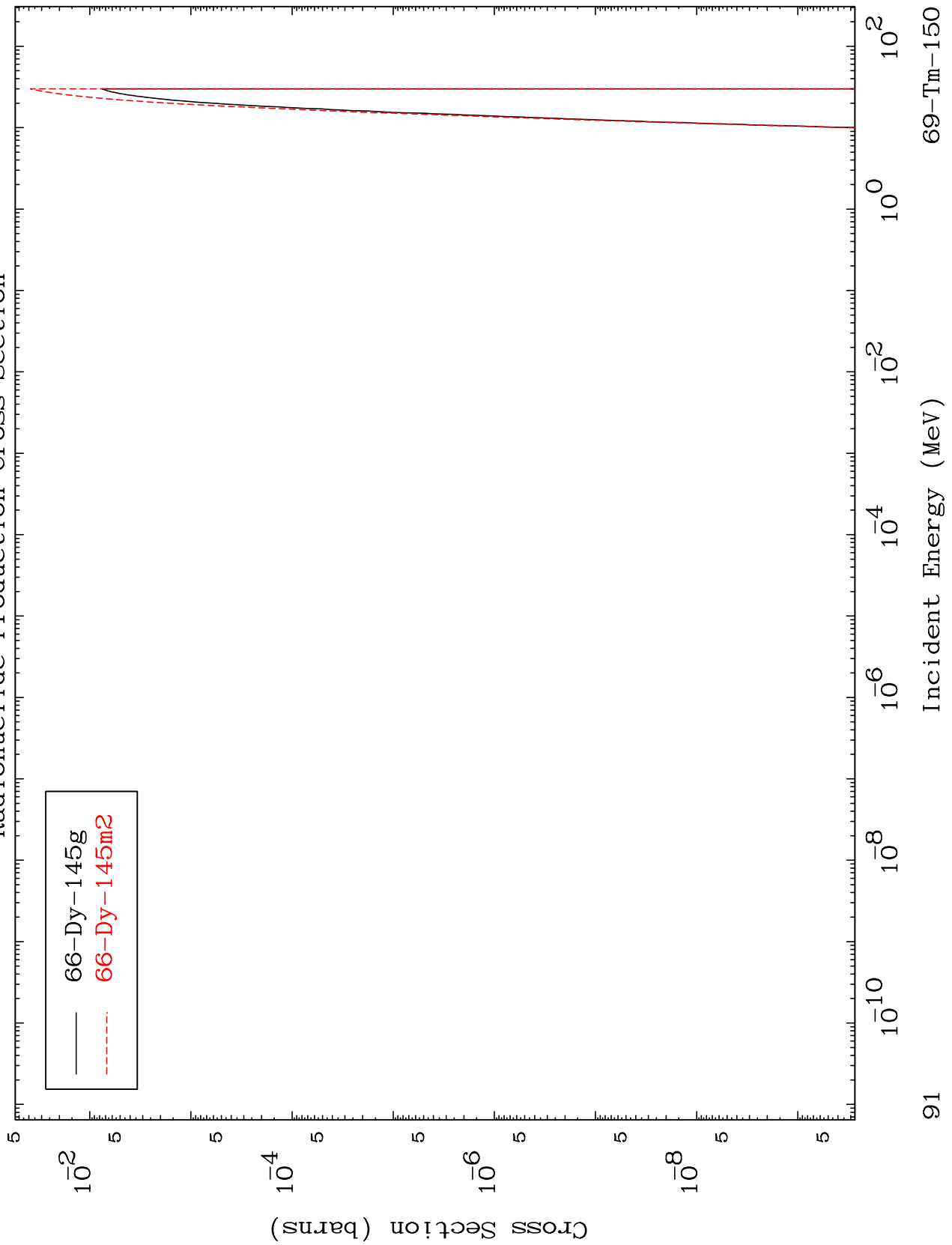
69-Tm-150

MAT 6868

(n,n') p α

69-Tm-150

Radionuclide Production Cross Section

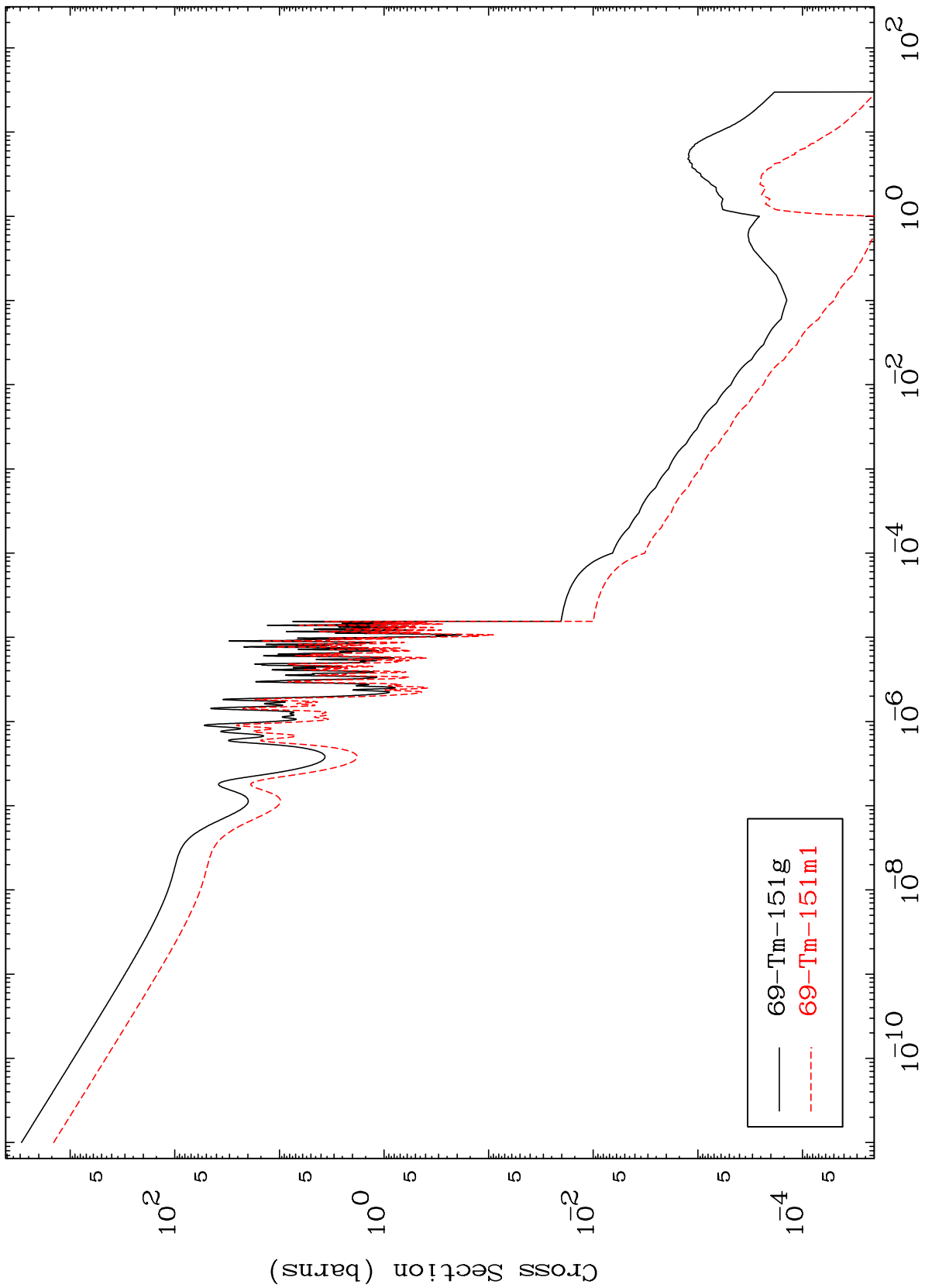


MAT 6868

69-Tm-150

Radionuclide Production Cross Section

(n, γ)

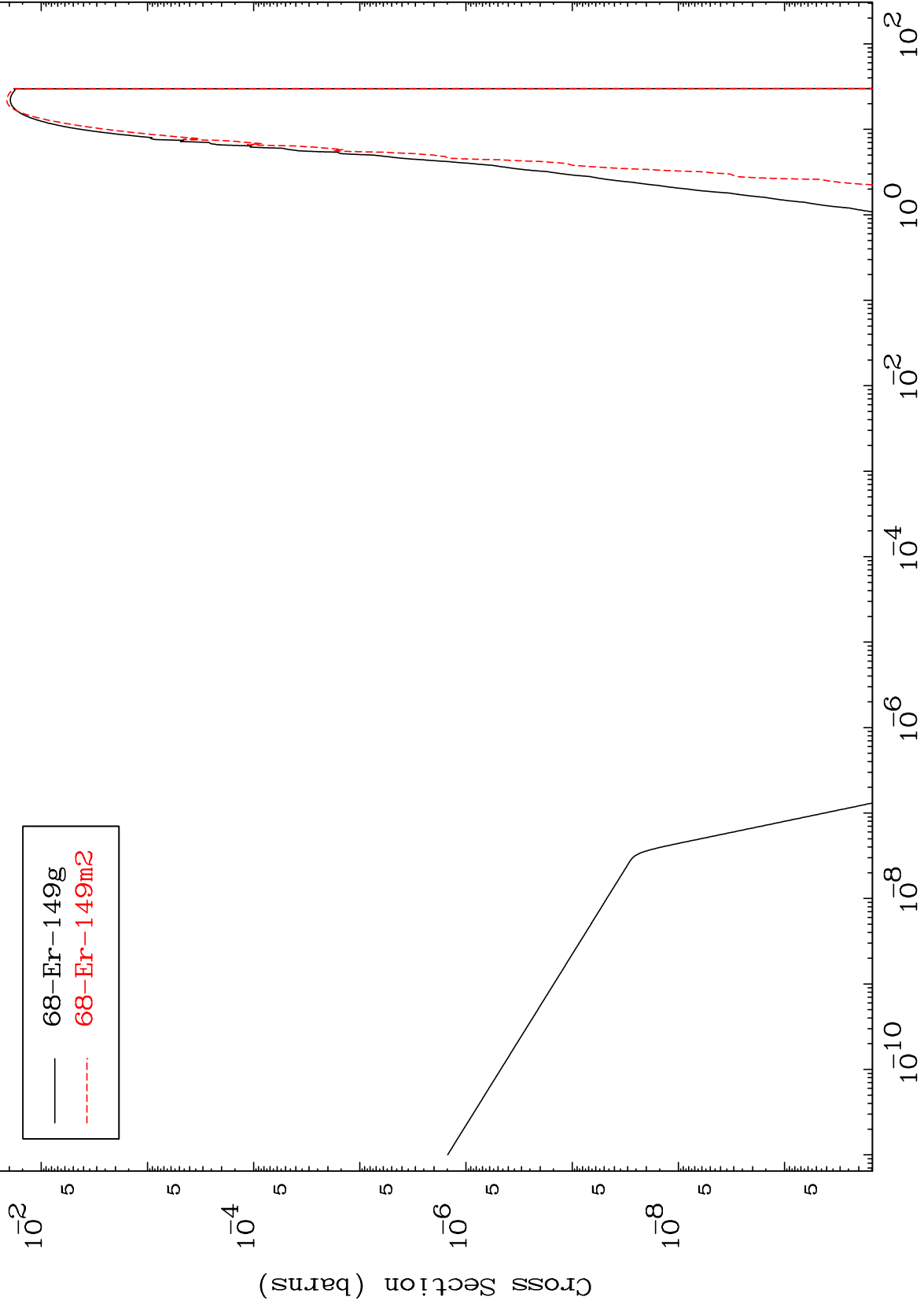


MAT 6868

(n,d)

69-Tm-150

Radionuclide Production Cross Section

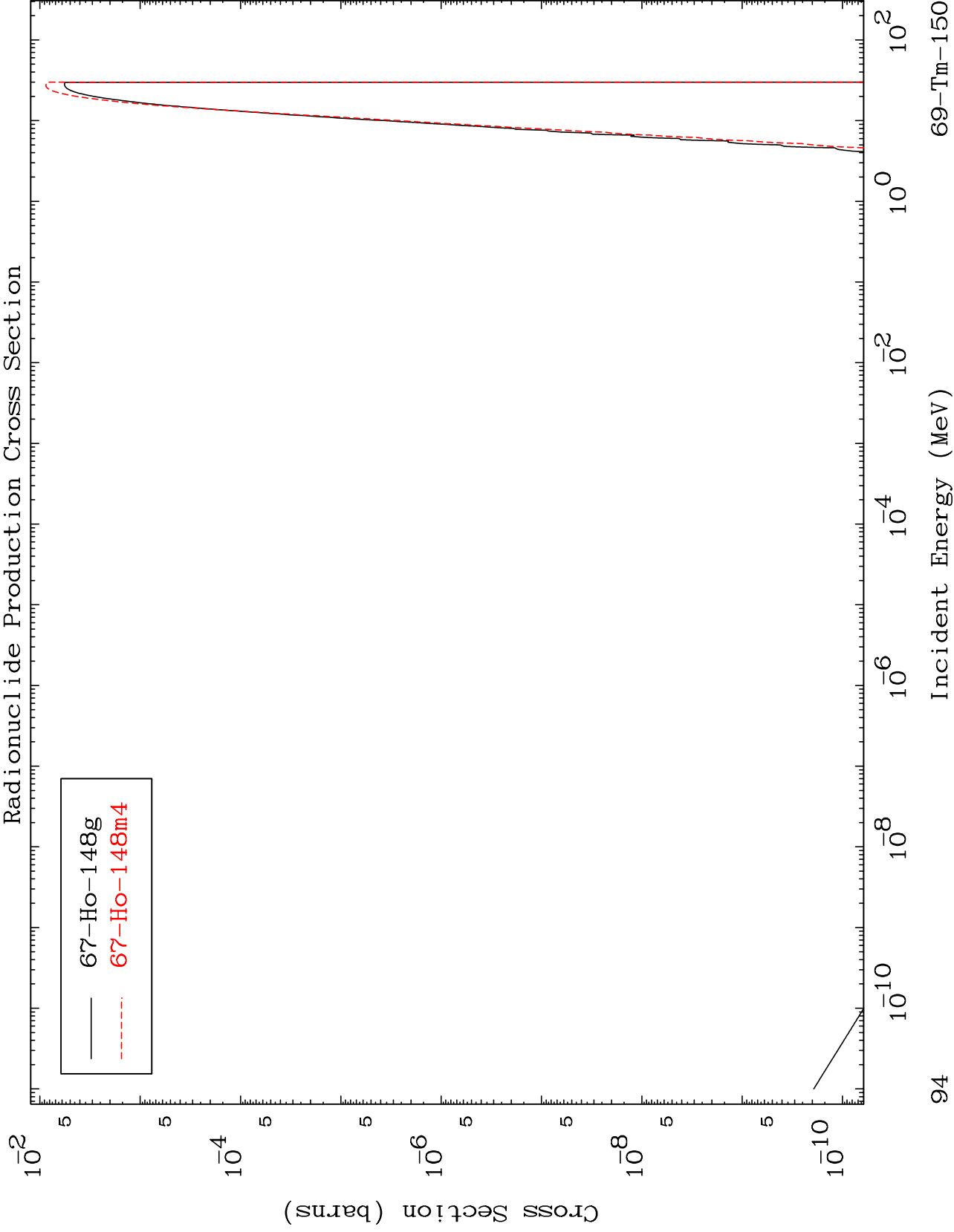


MAT 6868

(n,He-3)

69-Tm-150

Radionuclide Production Cross Section

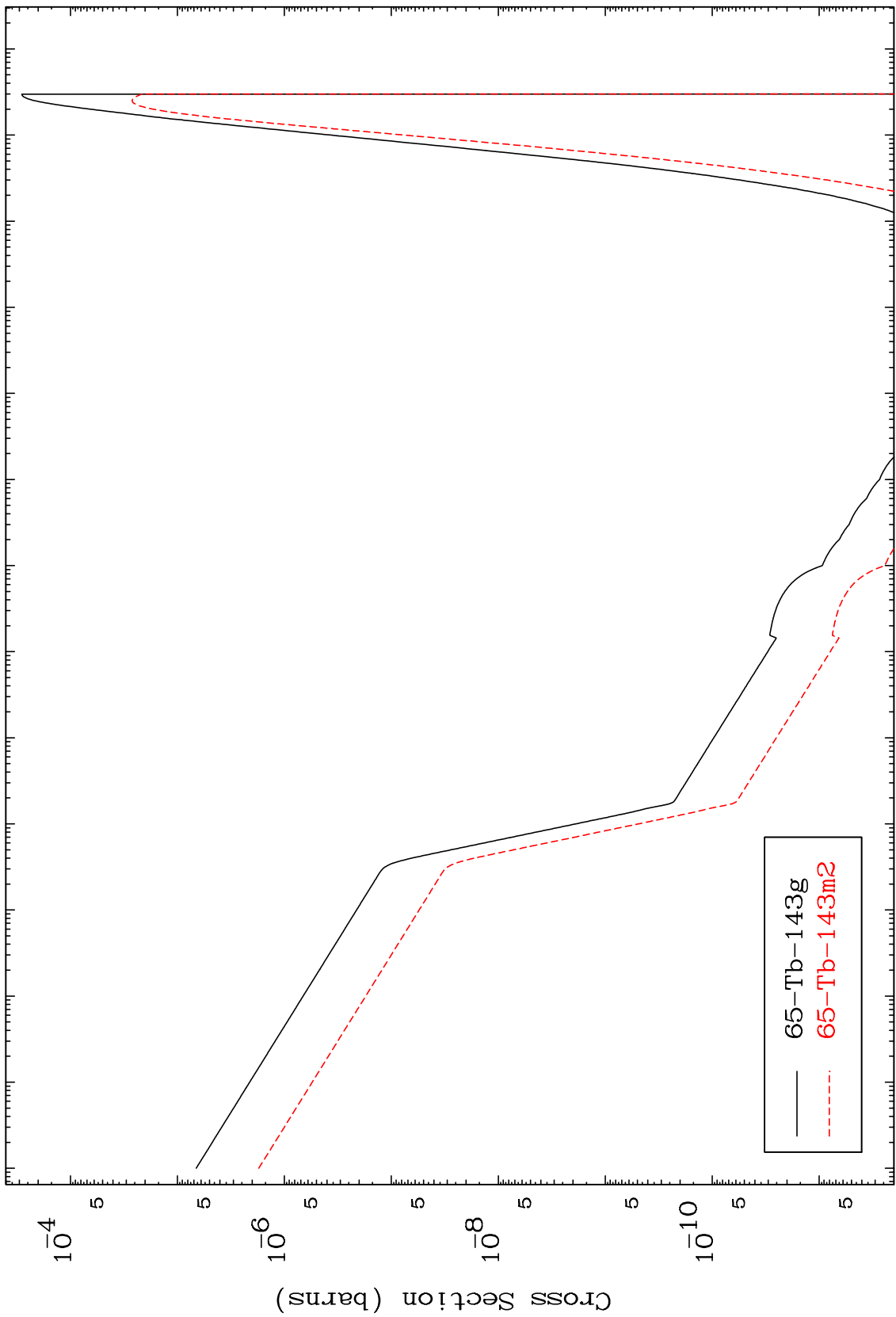


MAT 6868

(n,2α)

69-Tm-150

Radionuclide Production Cross Section



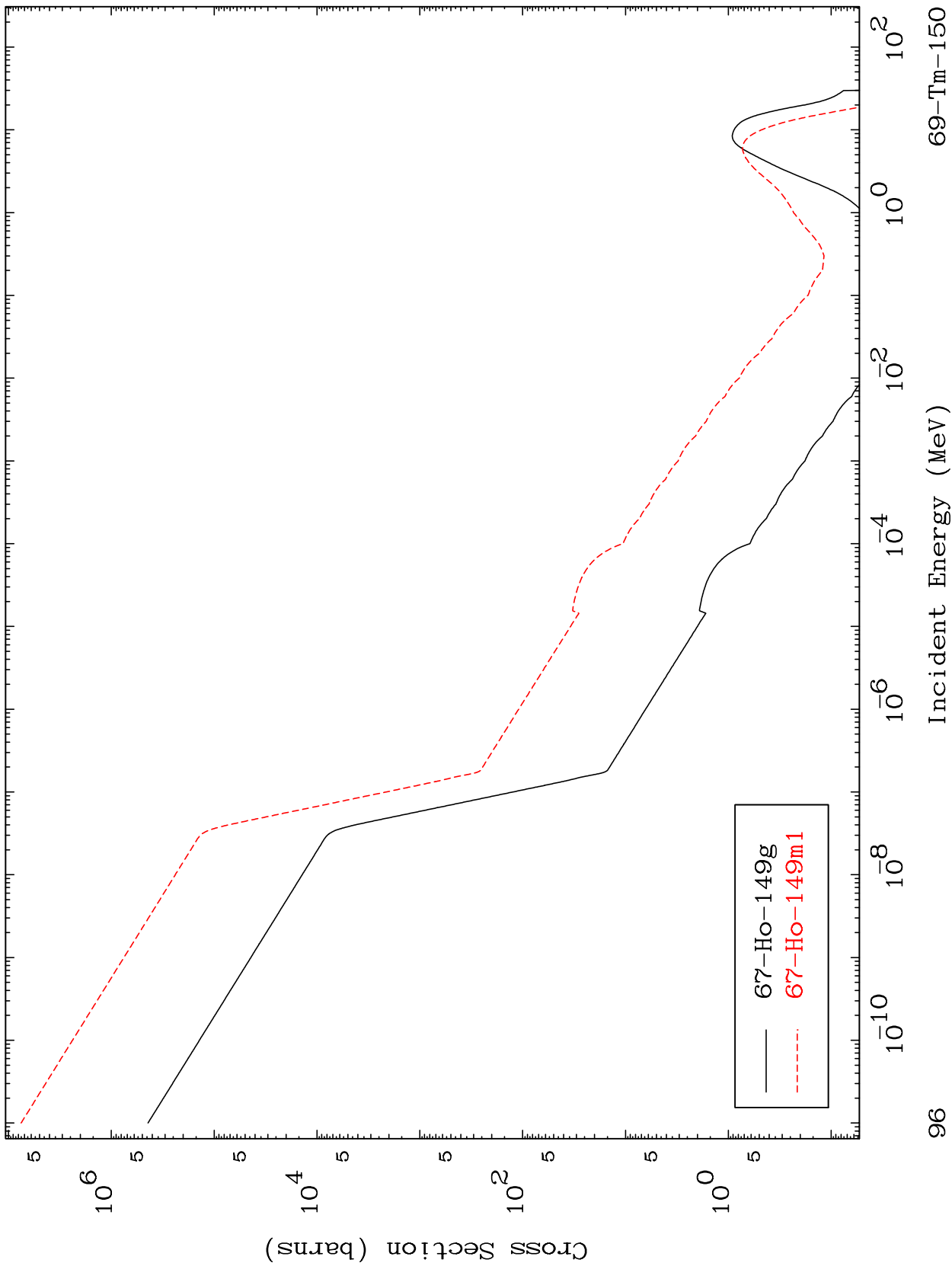
— 65-Tb-143g
- - - 65-Tb-143m2

10⁻⁴
5
10⁻⁶
5
10⁻⁸
5
10⁻¹⁰
5
10⁻¹⁰ 10⁻⁸ 10⁻⁶ 10⁻⁴ 10⁰ 10²
Incident Energy (MeV)
69-Tm-150
95

MAT 6868

69-Tm-150

(n,2p)
Radionuclide Production Cross Section



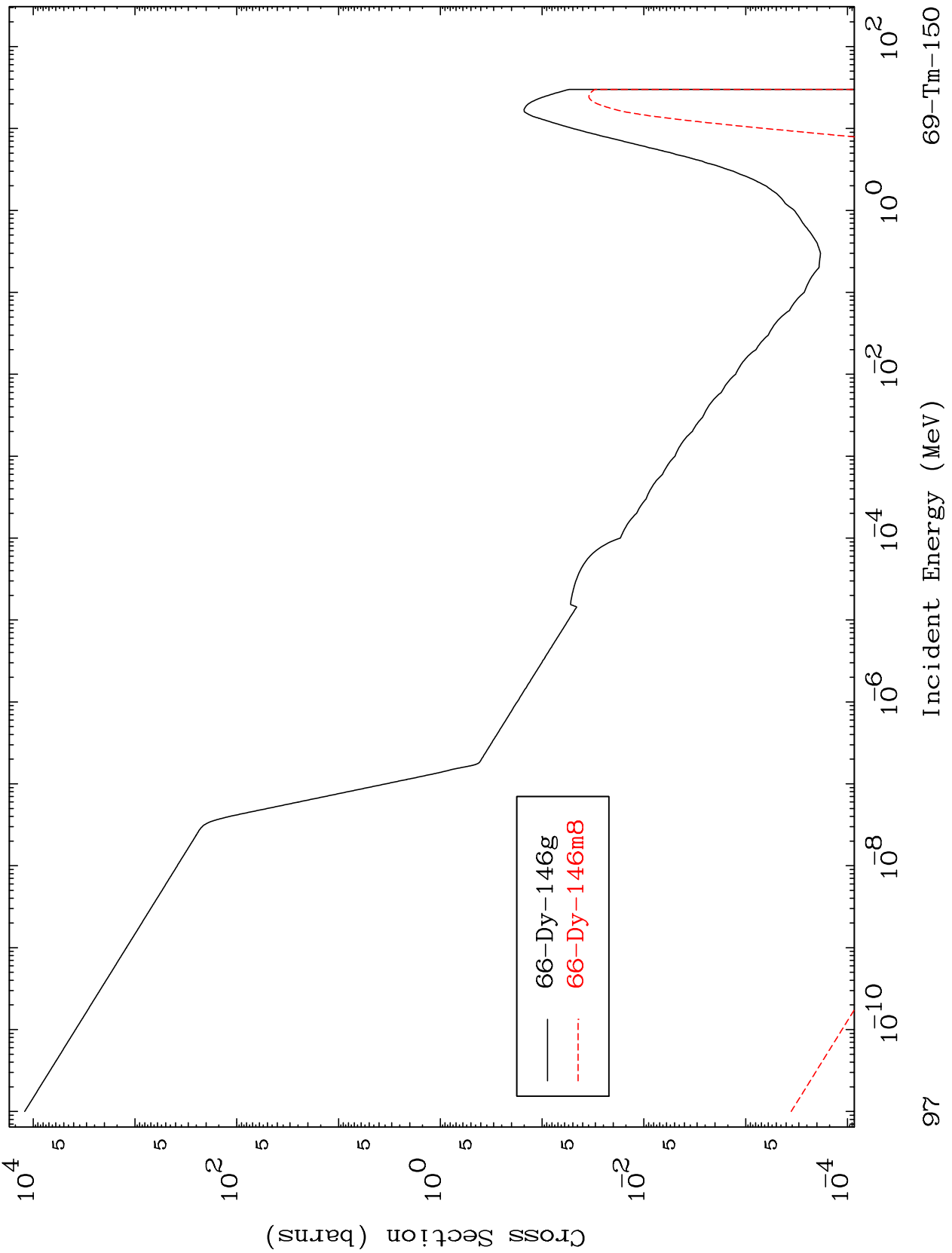
96

MAT 6868

(n,p) α

69-Tm-150

Radionuclide Production Cross Section

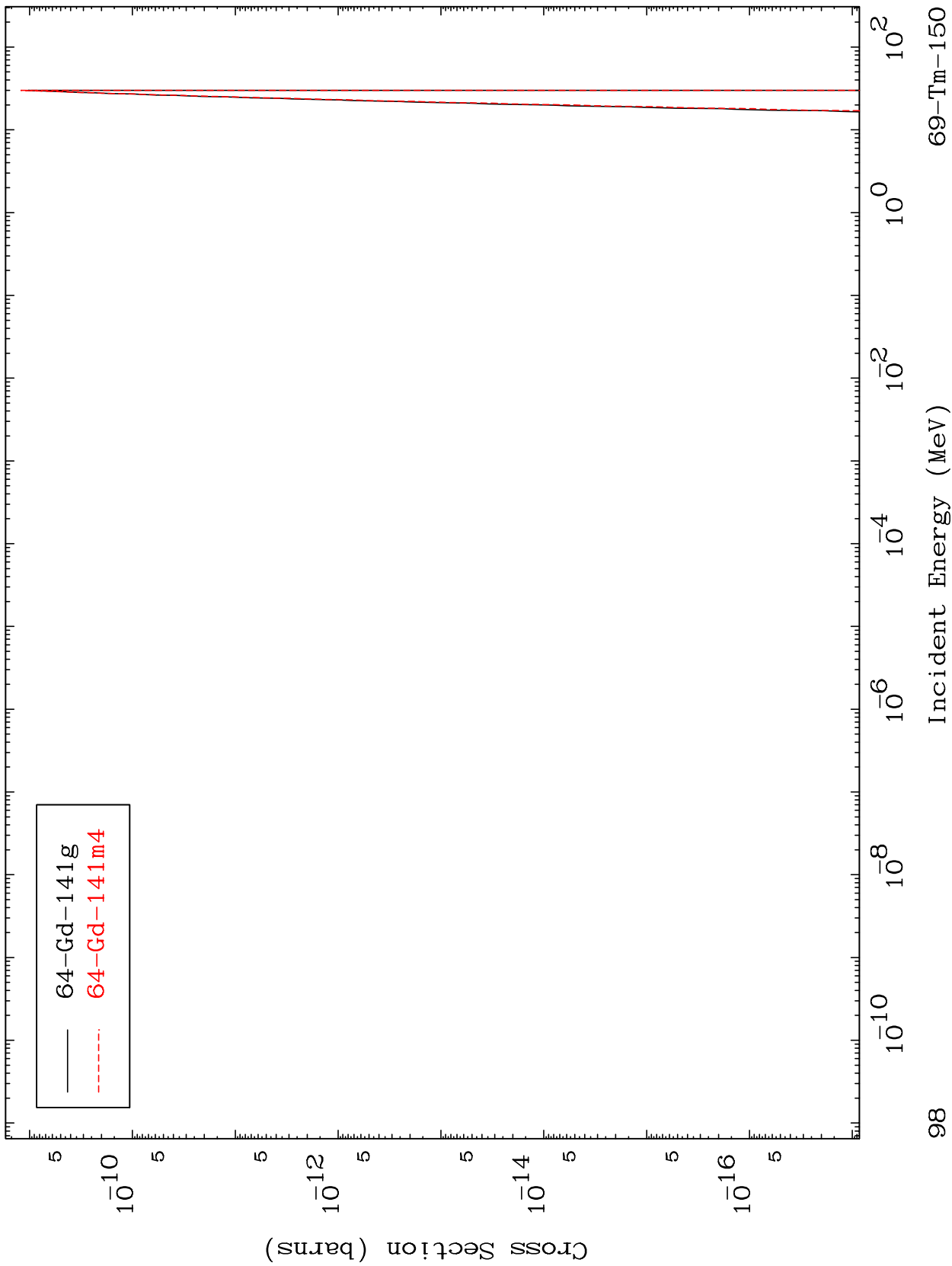


MAT 6868

(n,d) 2α

69-Tm-150

Radionuclide Production Cross Section

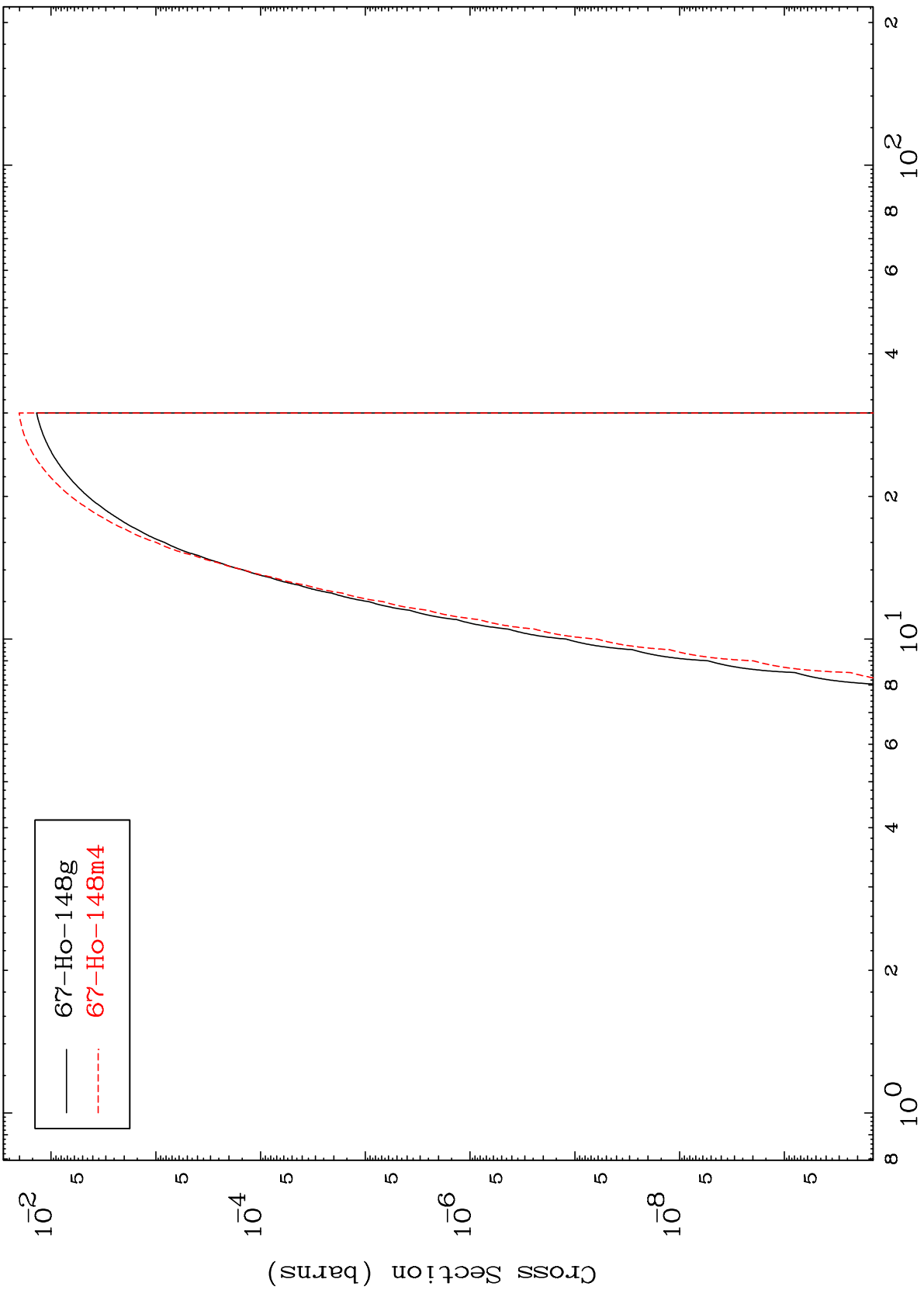


MAT 6868

(n,p) d

69-Tm-150

Radionuclide Production Cross Section



67-Ho-148g
67-Ho-148m4

99

Incident Energy (MeV)

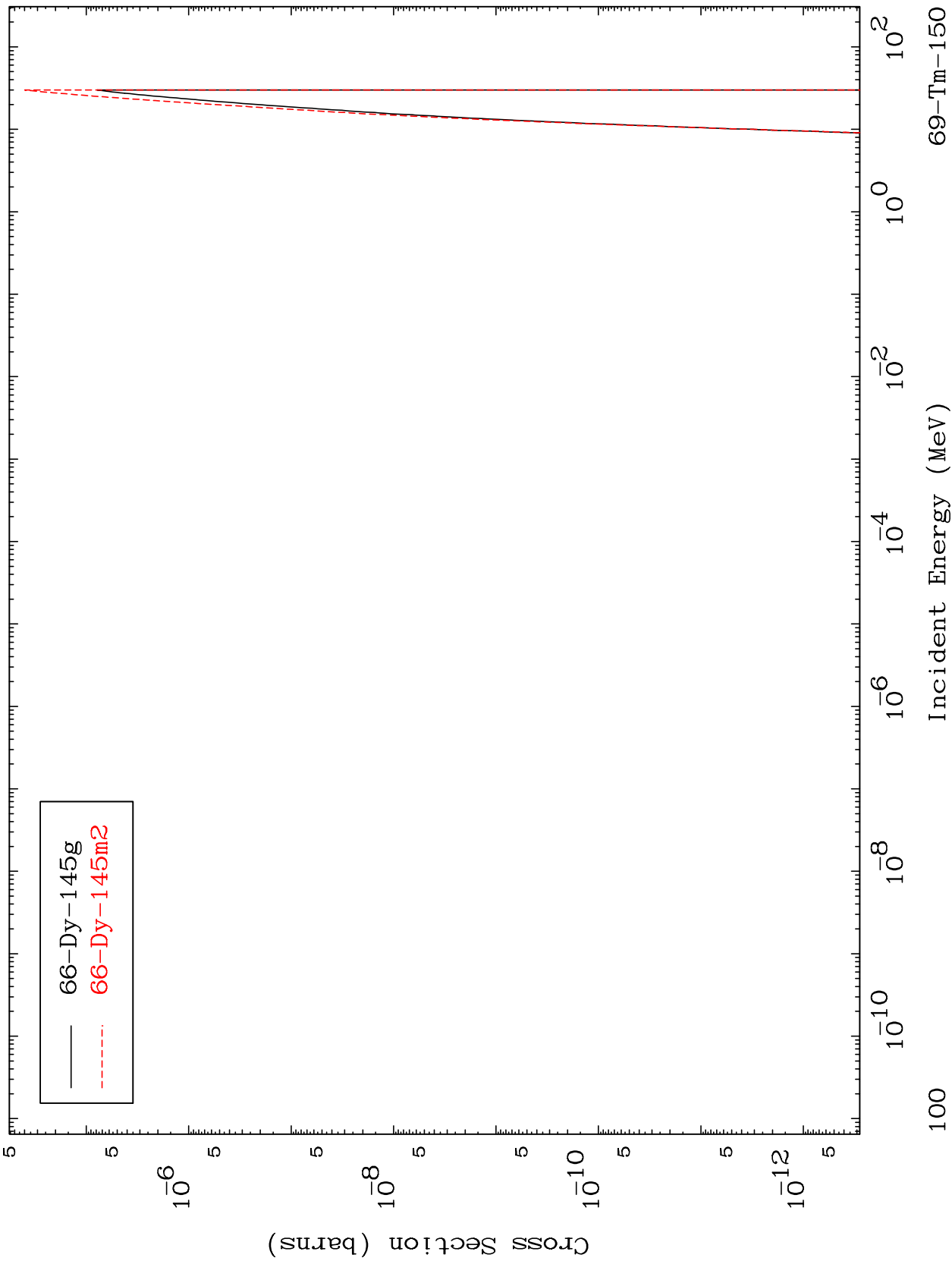
69-Tm-150

MAT 6868

(n,d) α

69-Tm-150

Radionuclide Production Cross Section



100

Incident Energy (MeV)

69-Tm-150