

Program EVALPLOT
(Version 2021-1)

by

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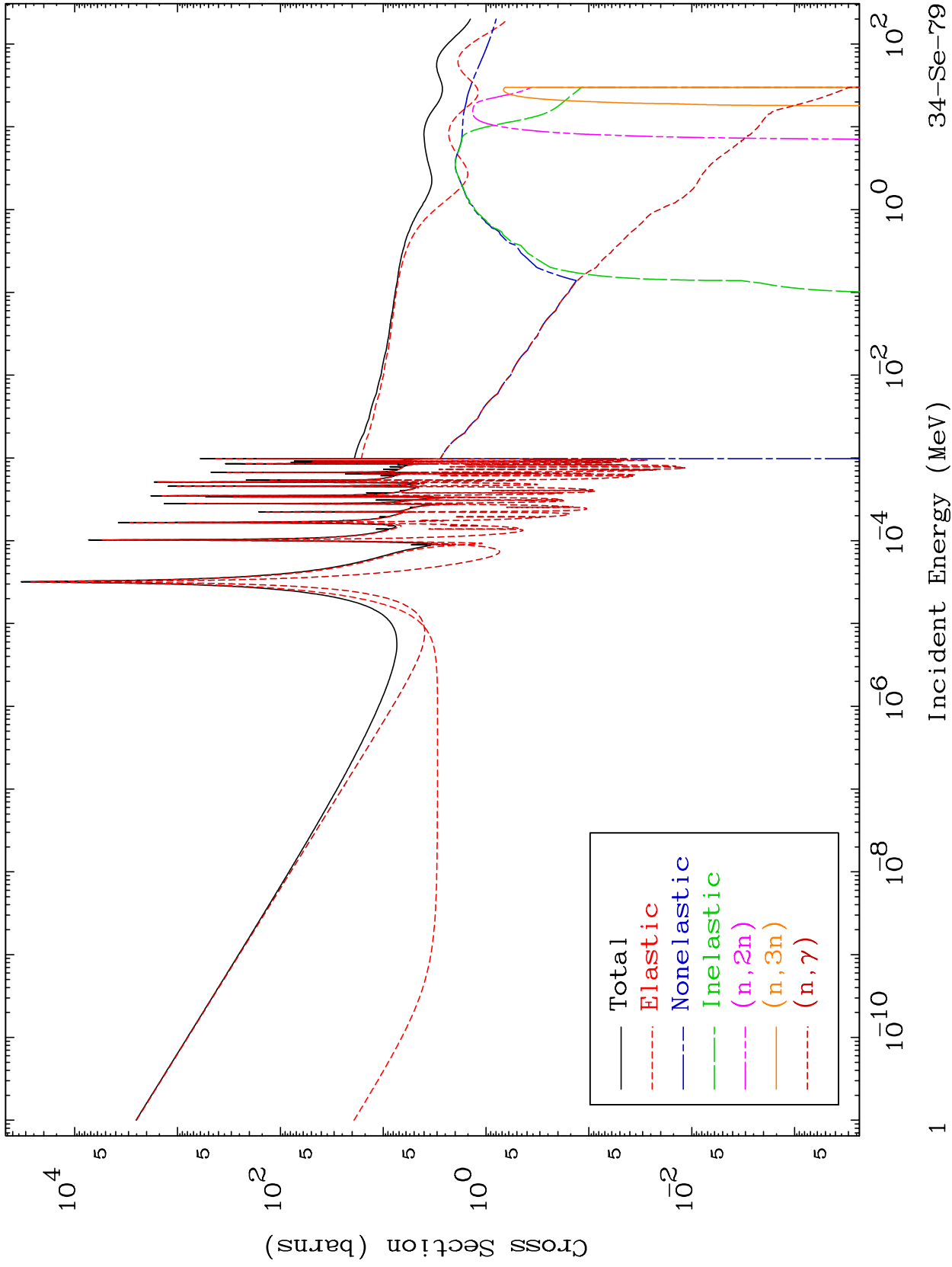
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3440

Neutron Major
293 Kelvin Cross Sections

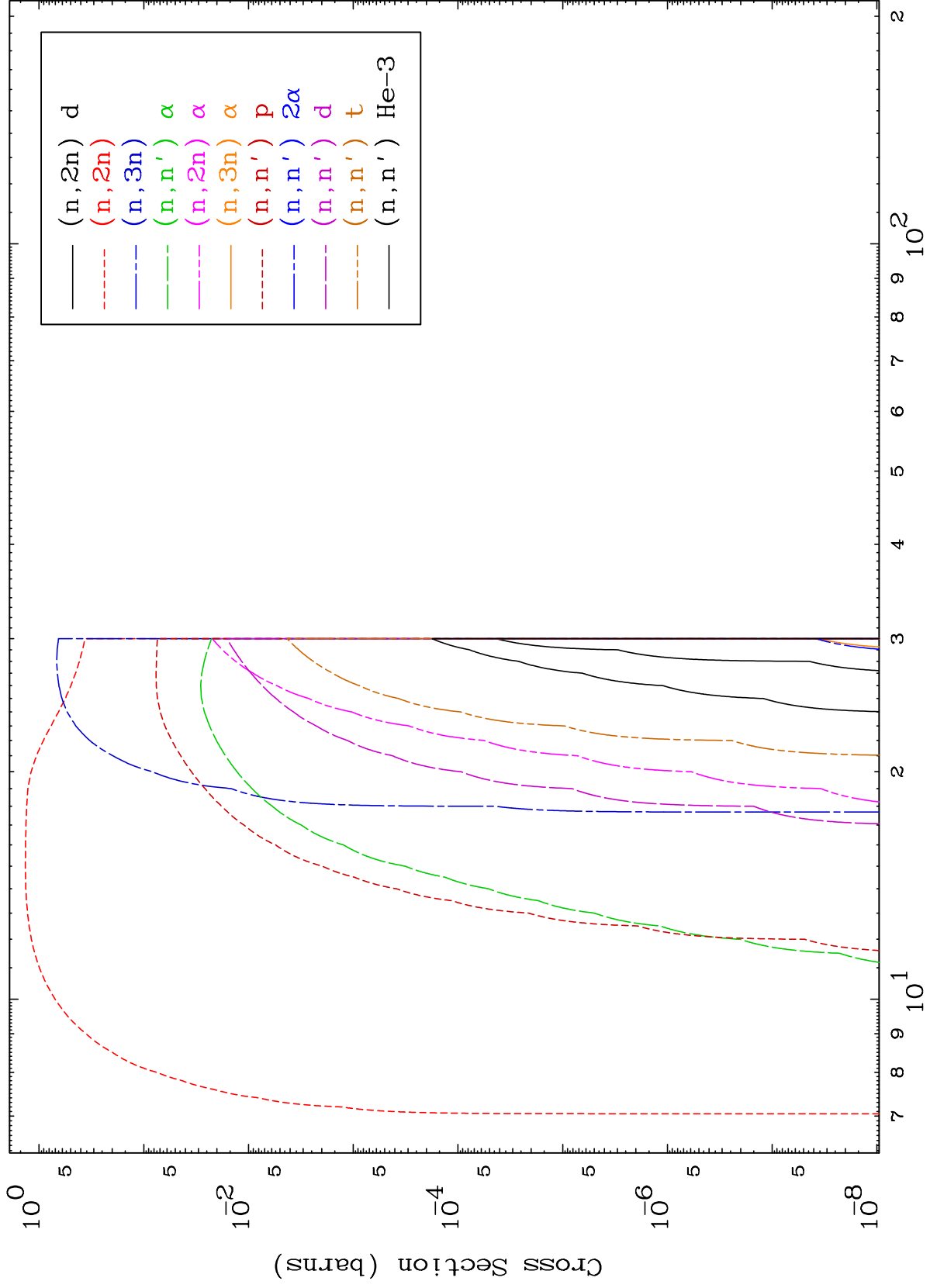
34-Se-79



MAT 3440

Neutron Absorption
293 Kelvin Cross Sections

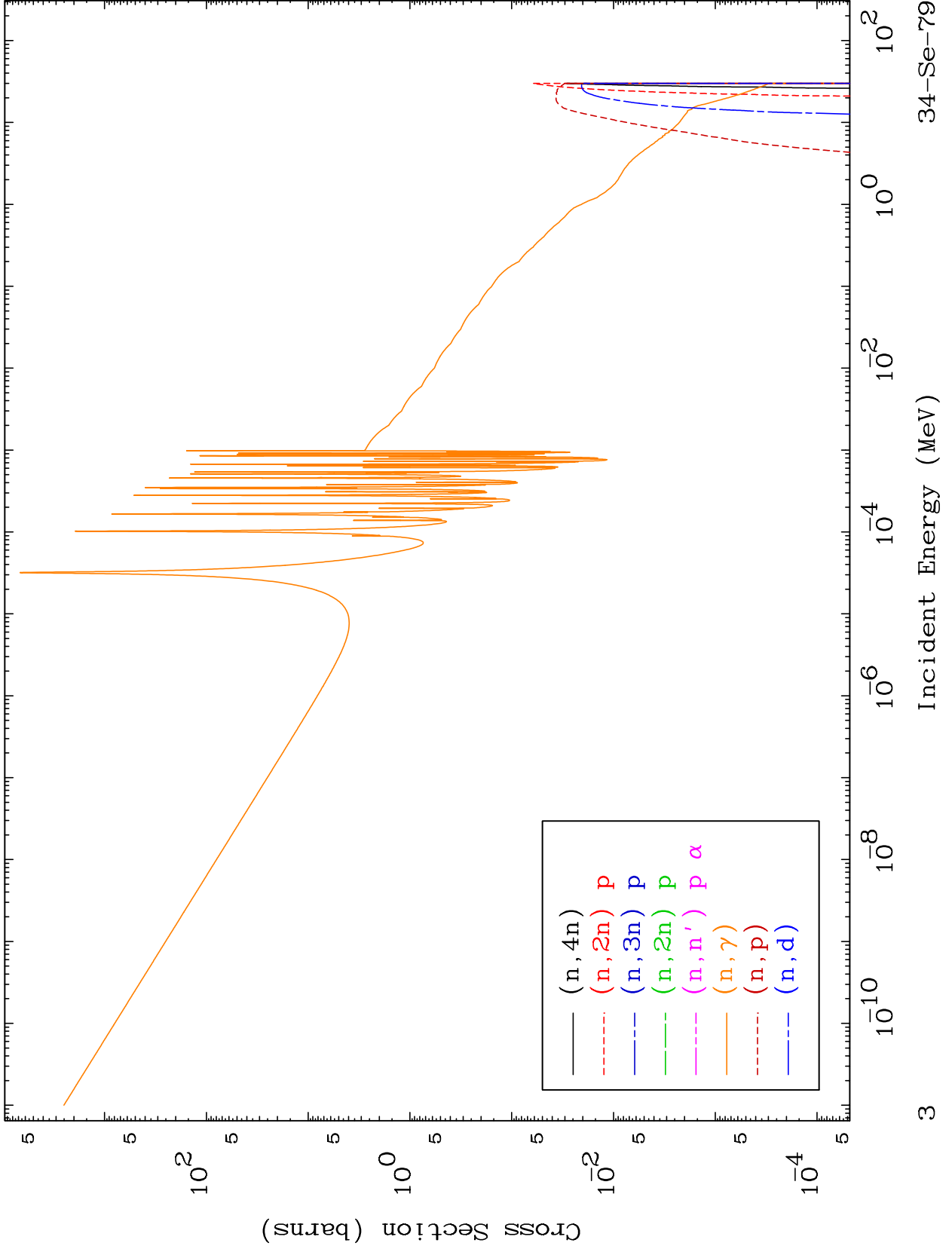
34-Se-79



MAT 3440

Neutron Absorption
293 Kelvin Cross Sections

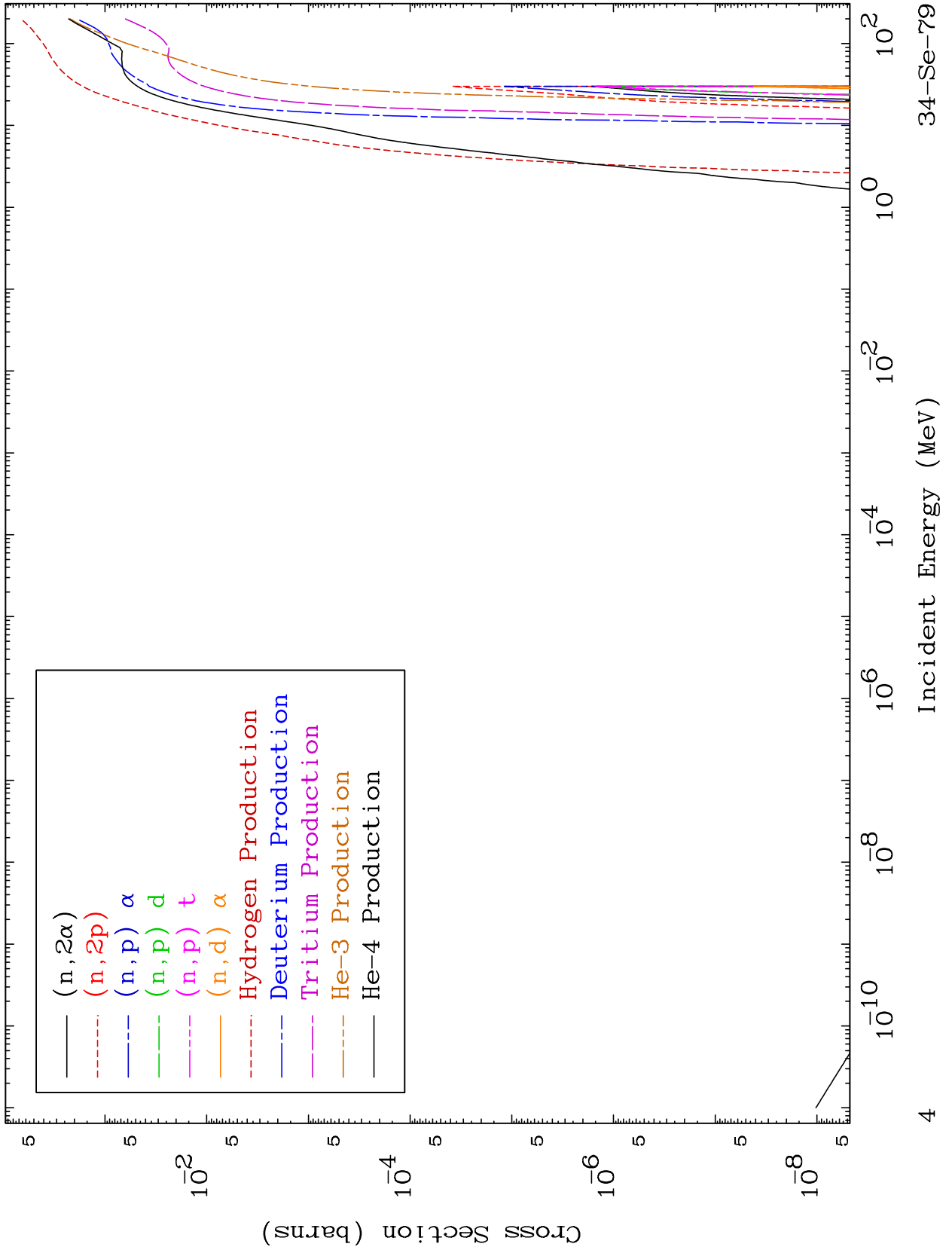
34-Se-79



MAT 3440

Neutron Absorption
293 Kelvin Cross Sections

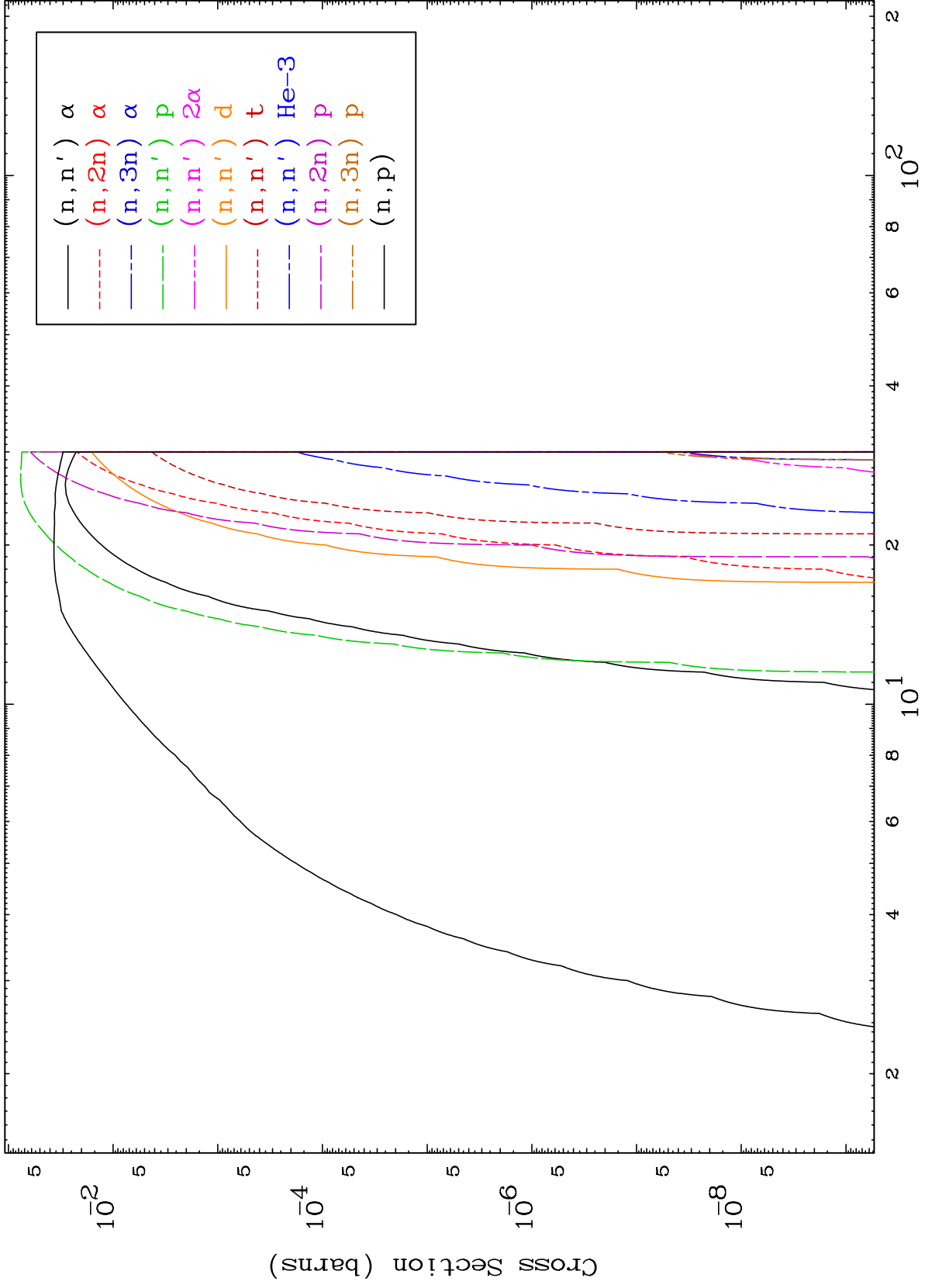
34-Se-79



MAT 3440

Charged Particle
293 Kelvin Cross Sections

34-Se-79



5

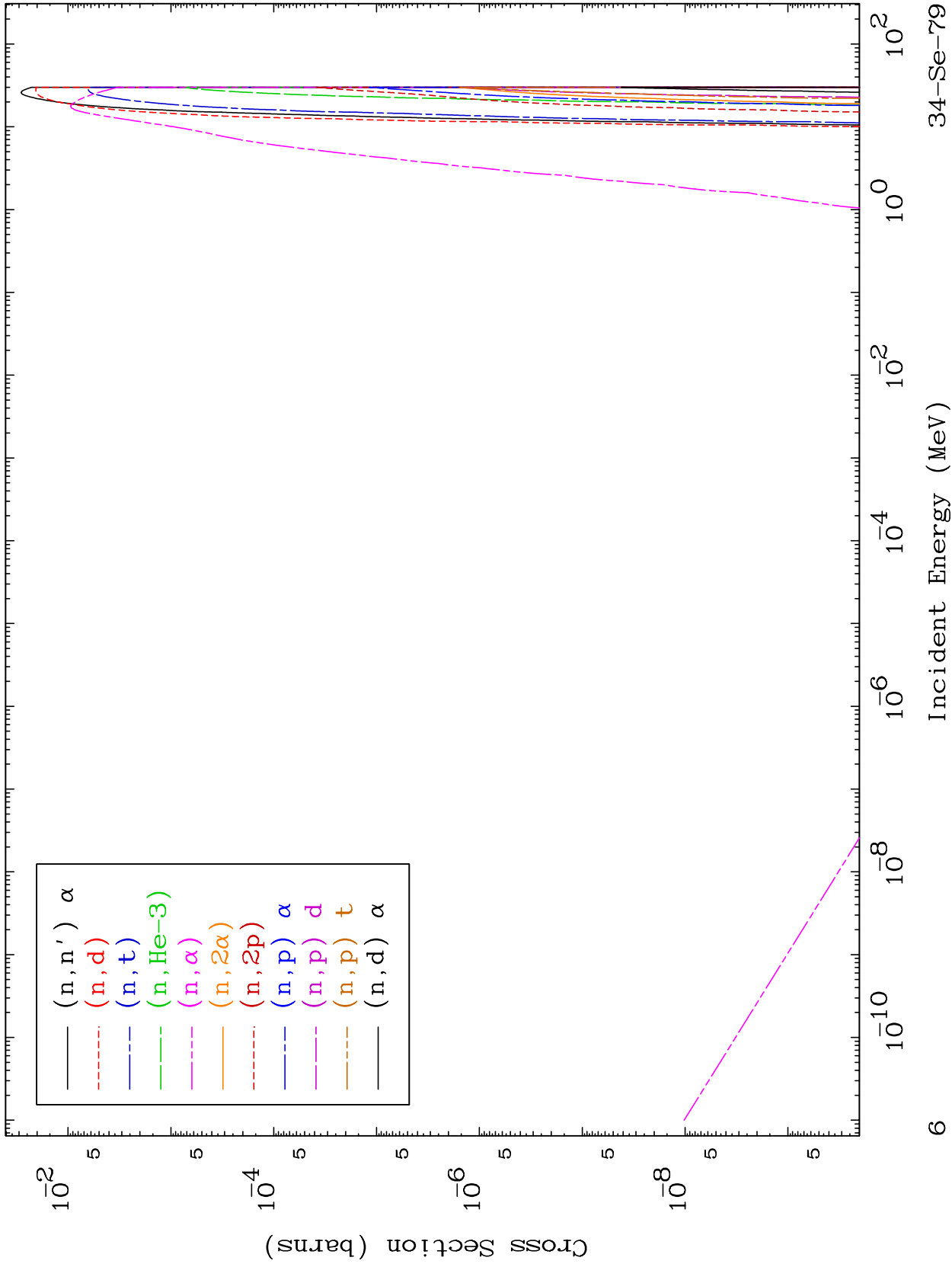
Incident Energy (MeV)

34-Se-79

MAT 3440

Charged Particle
293 Kelvin Cross Sections

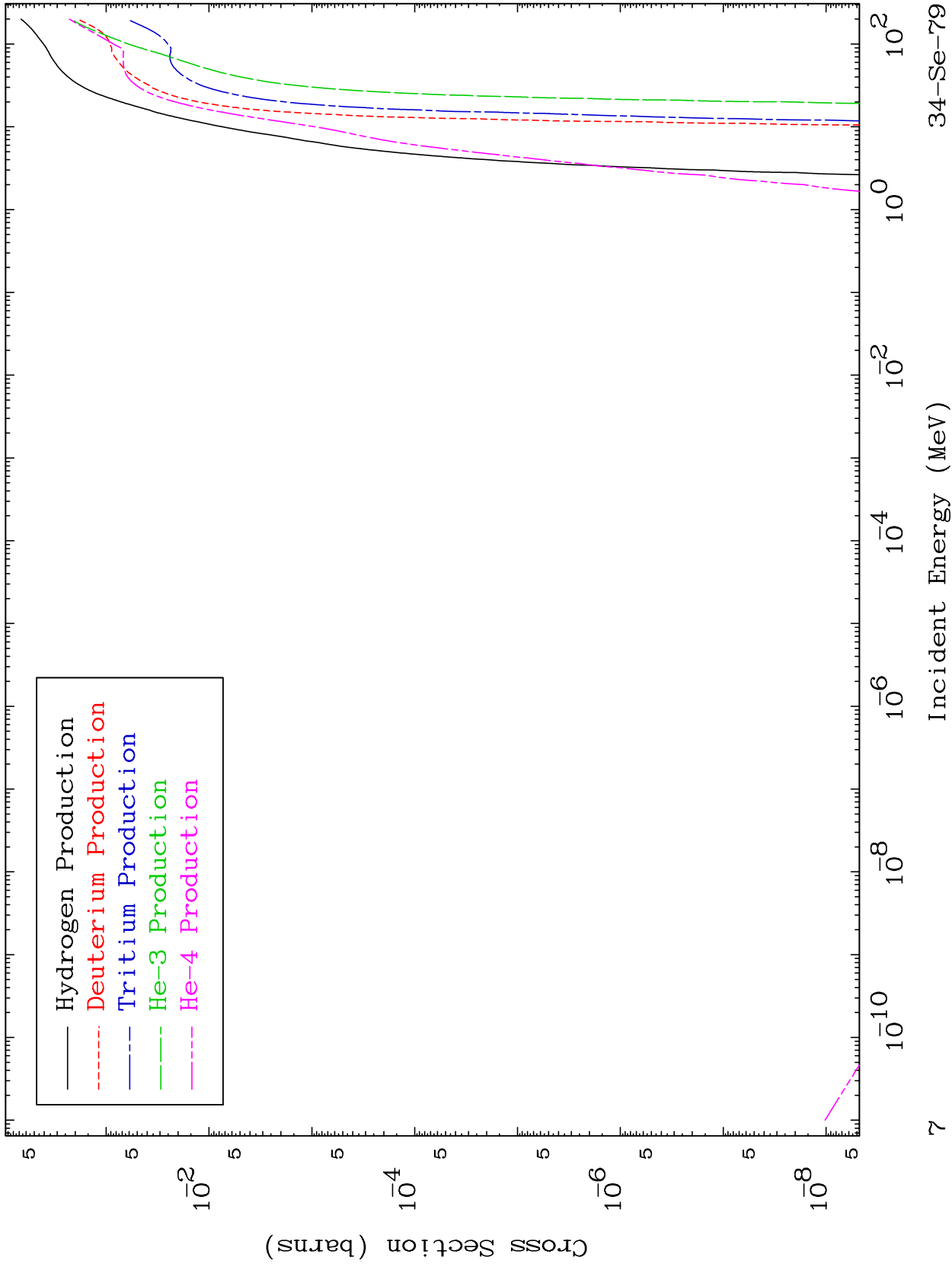
34-Se-79

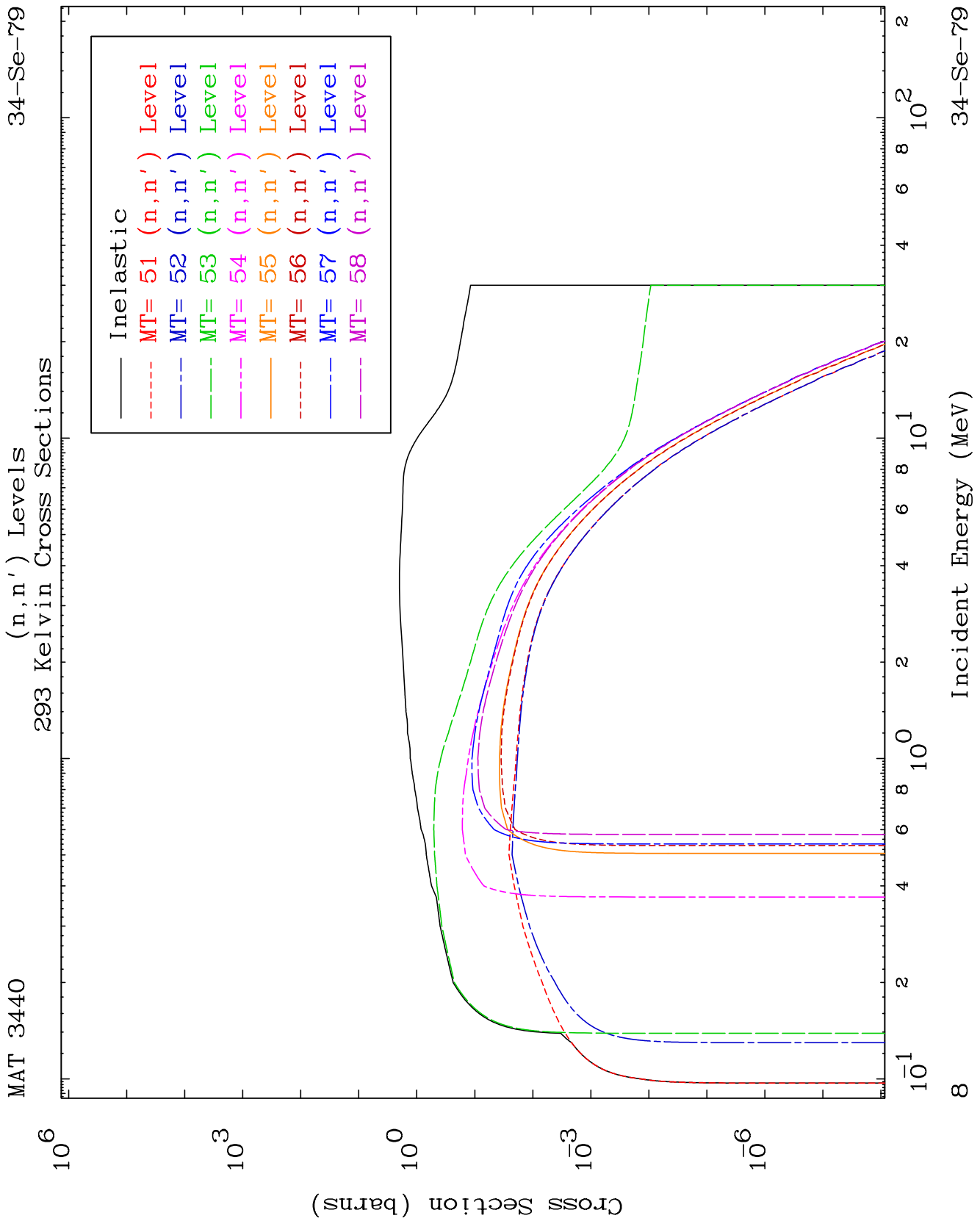


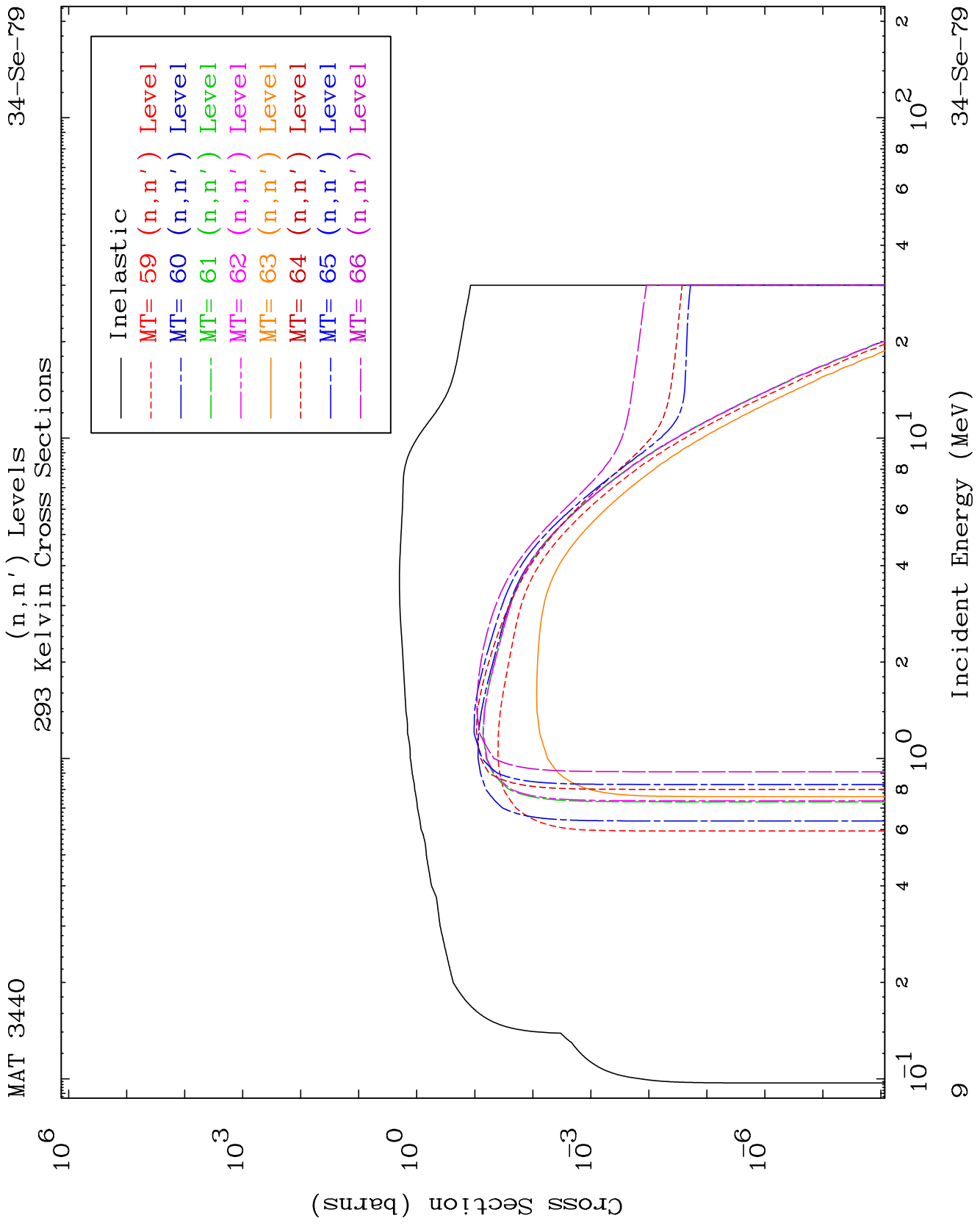
MAT 3440

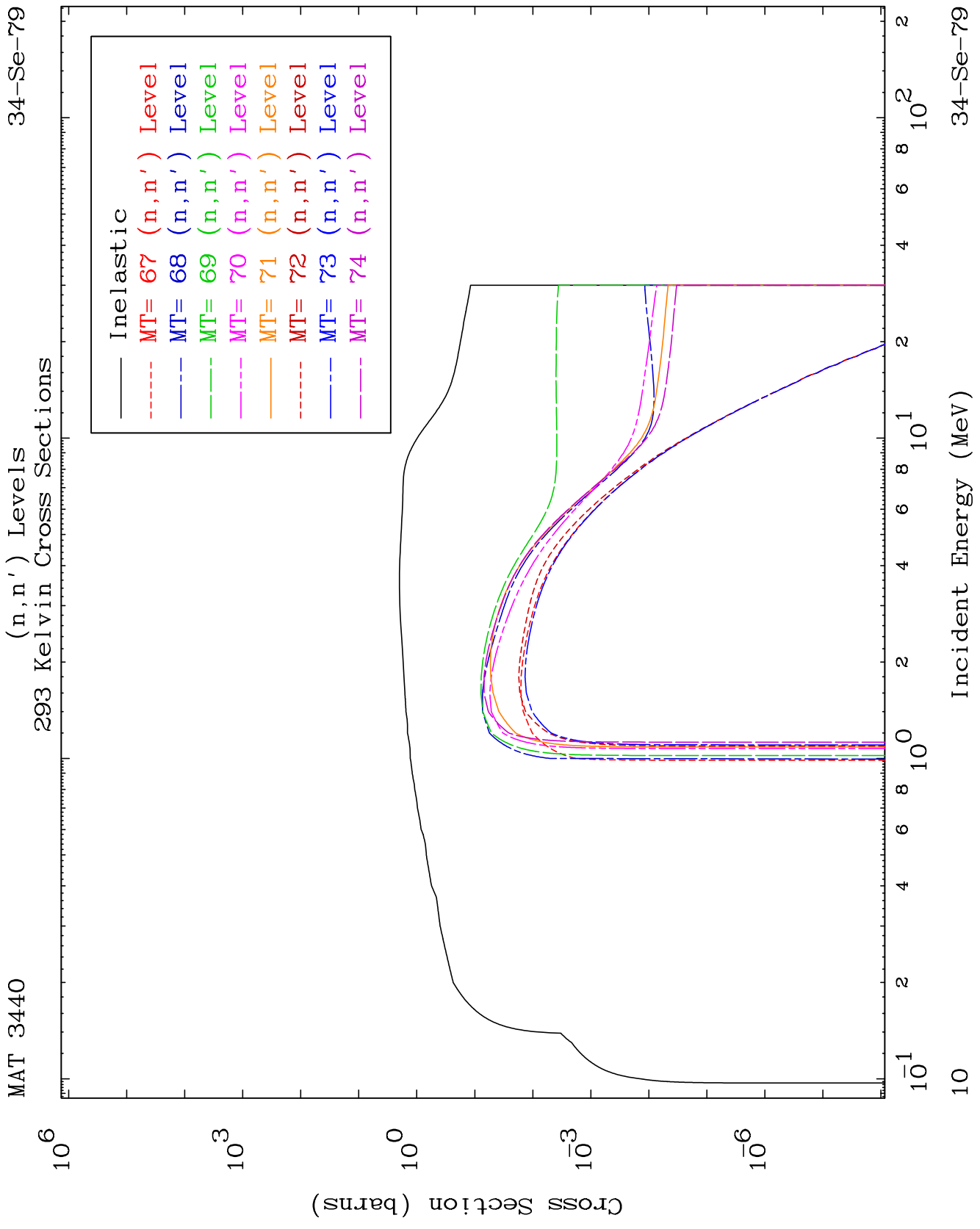
Particle Production
293 Kelvin Cross Sections

34-Se-79







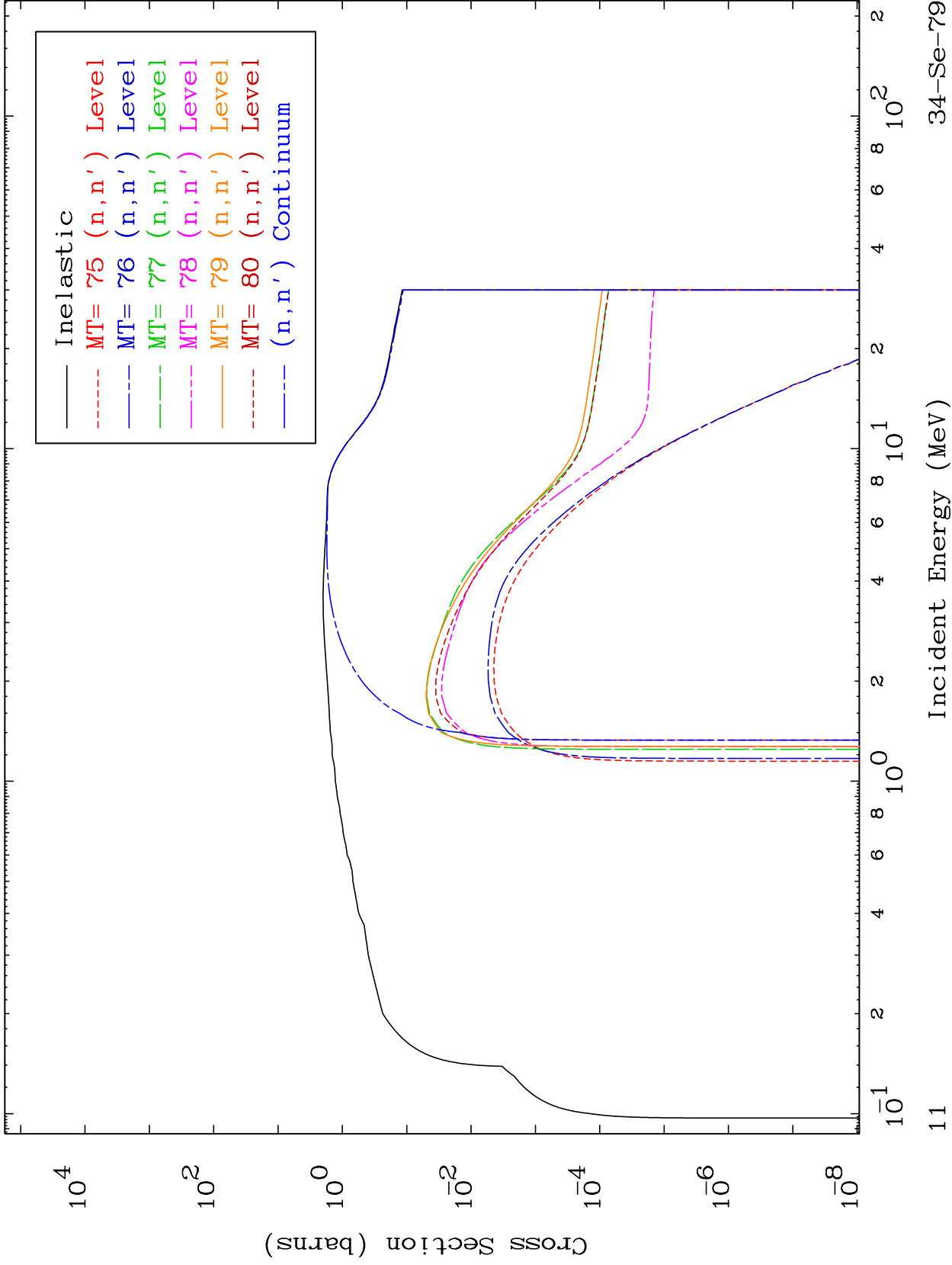


MAT 3440

(n,n') Levels

34-Se-79

293 Kelvin Cross Sections



11

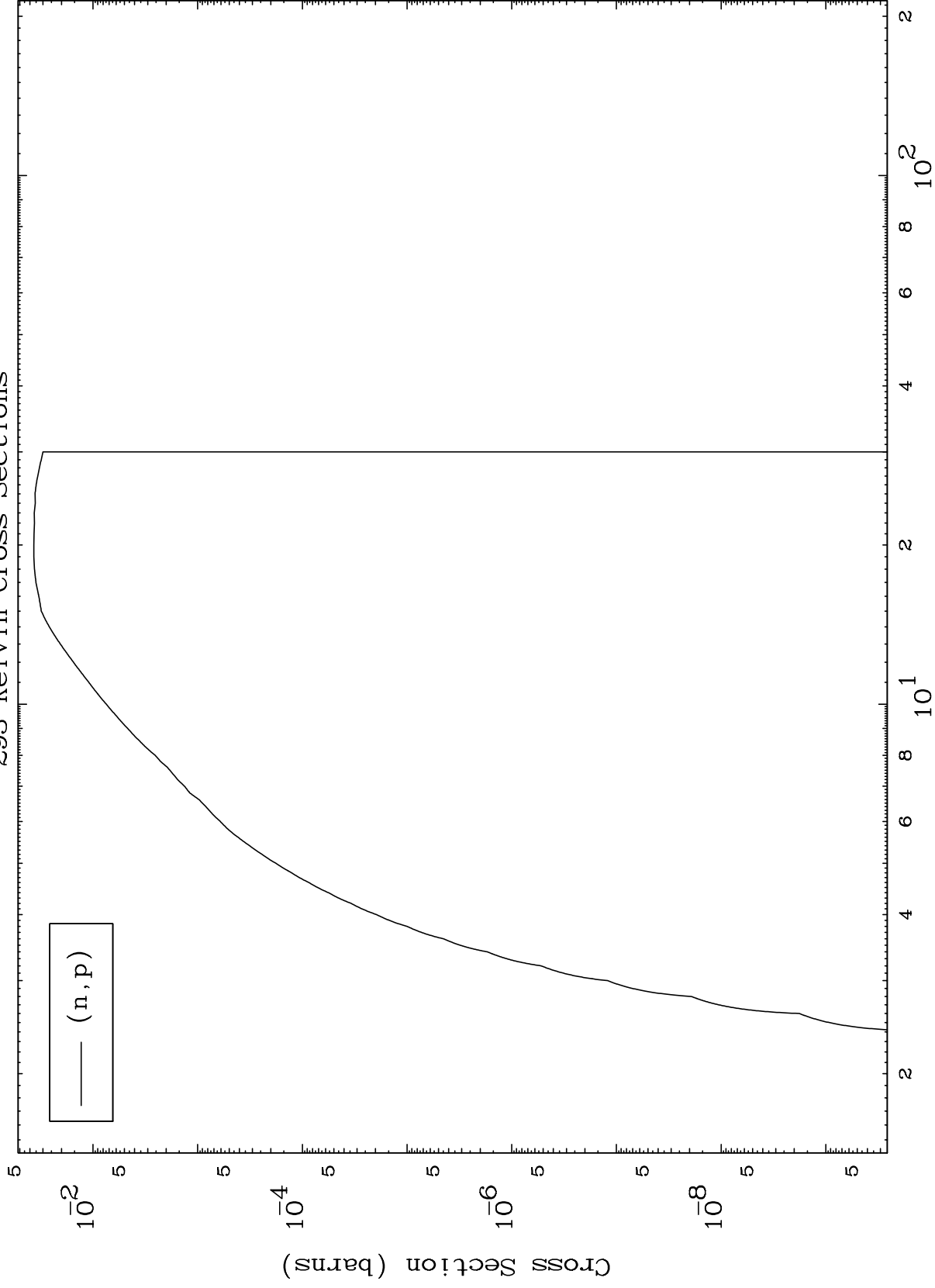
Incident Energy (MeV)

34-Se-79

MAT 3440

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-79



12

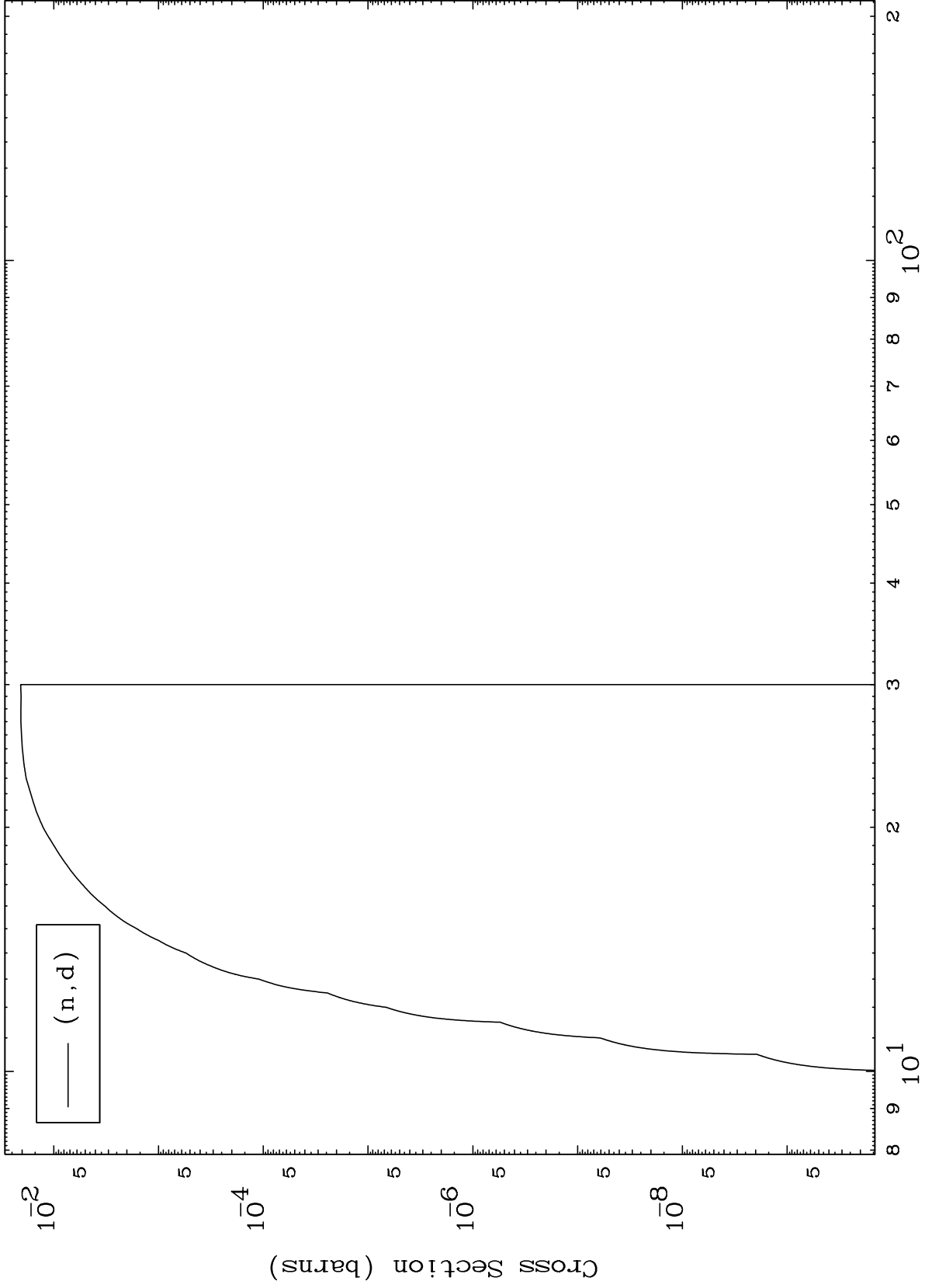
Incident Energy (MeV)

³⁴Se-79

MAT 3440

(n,d) Levels
293 Kelvin Cross Sections

34-Se-79



13

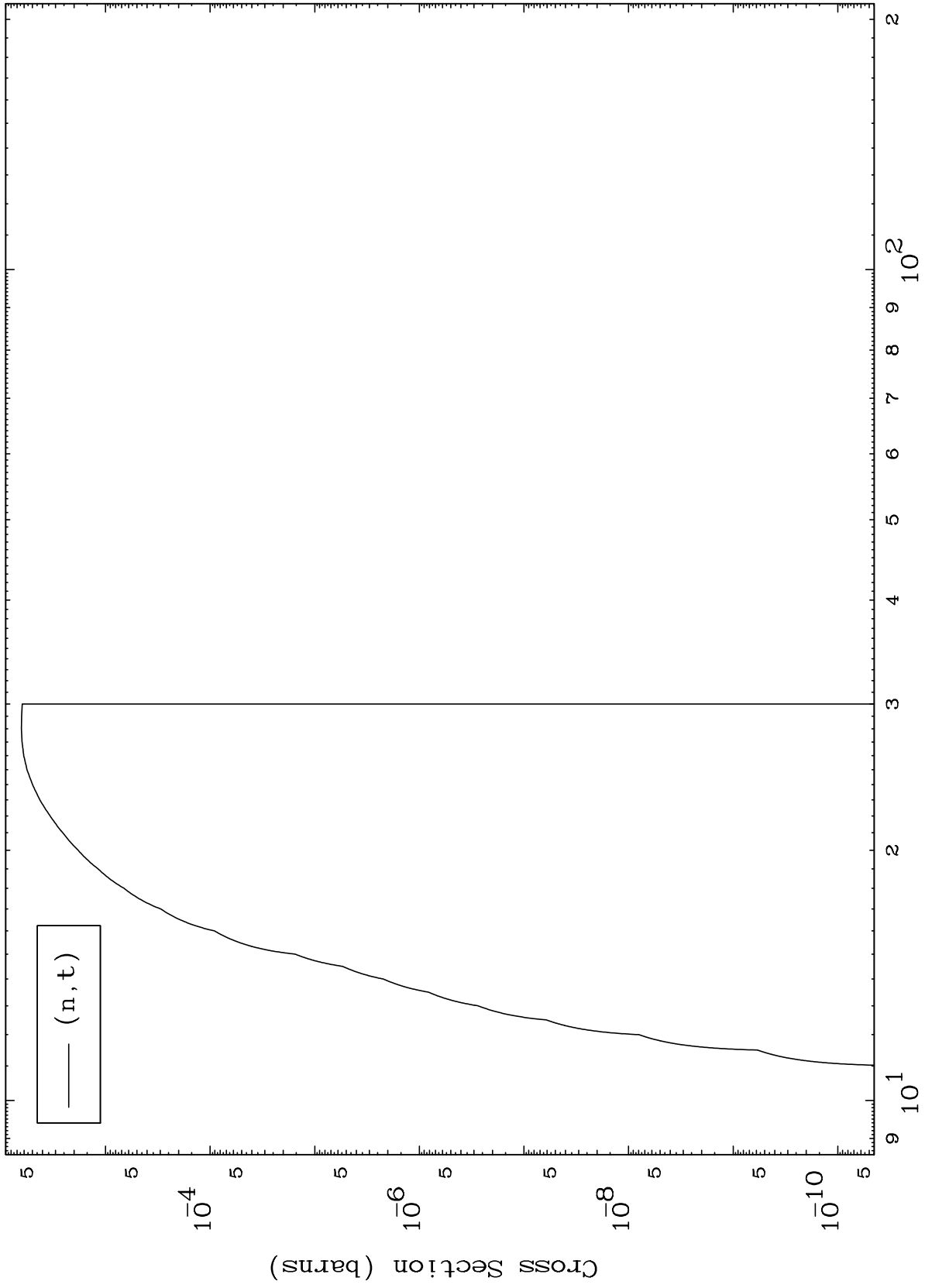
Incident Energy (MeV)

34-Se-79

MAT 3440

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-79



14

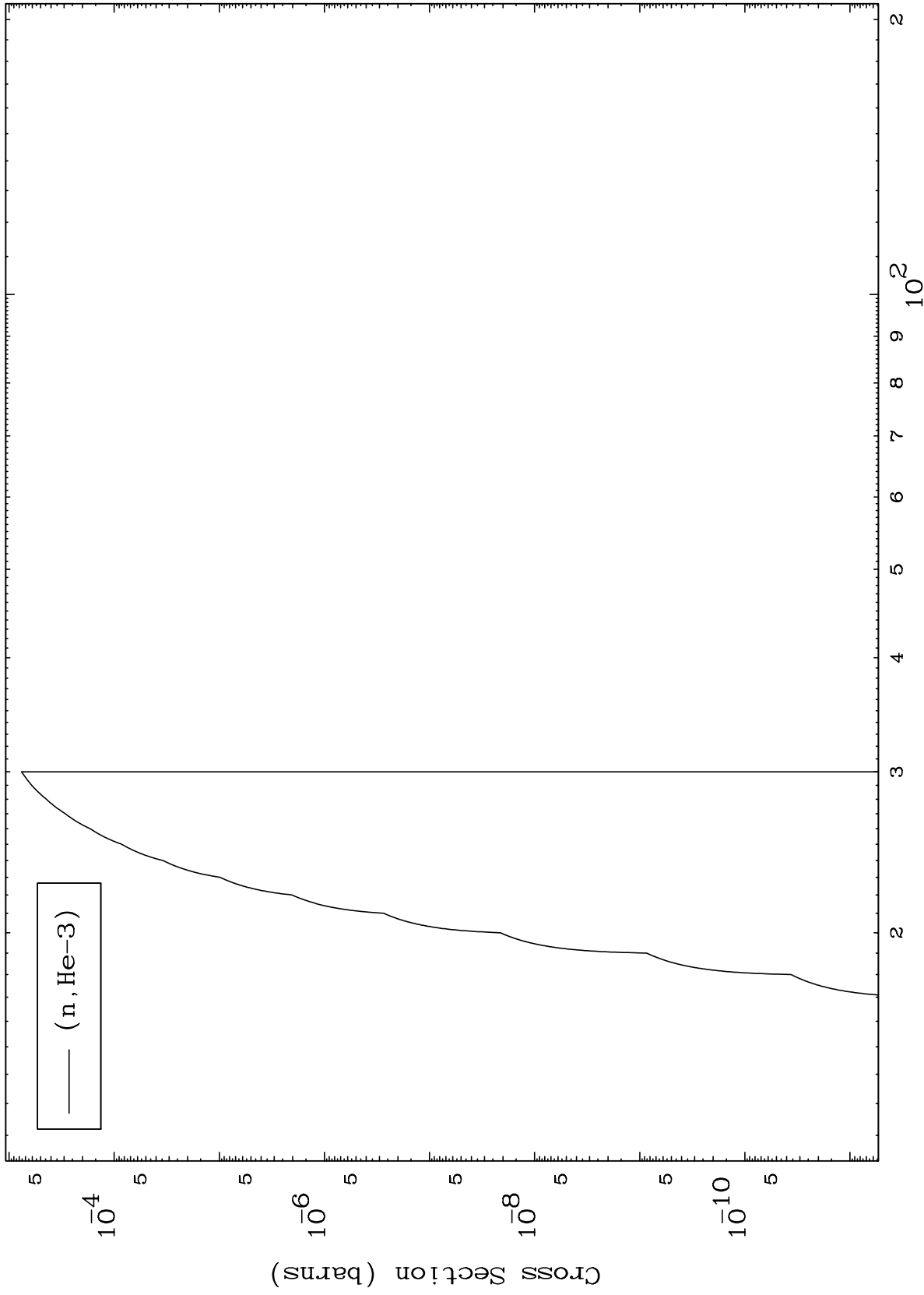
Incident Energy (MeV)

³⁴Se-79

MAT 3440

(n,He3) Levels
293 Kelvin Cross Sections

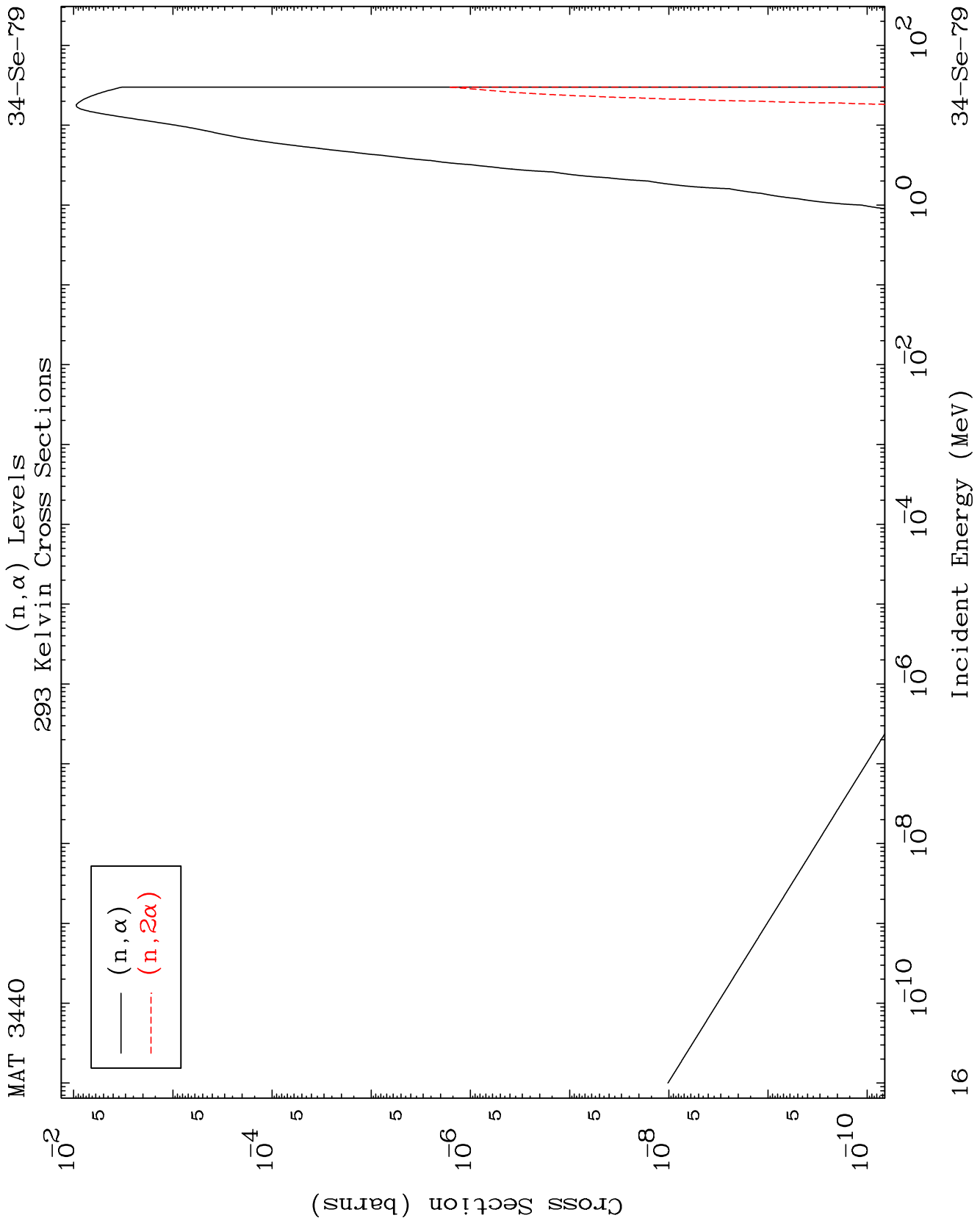
34-Se-79



15

Incident Energy (MeV)

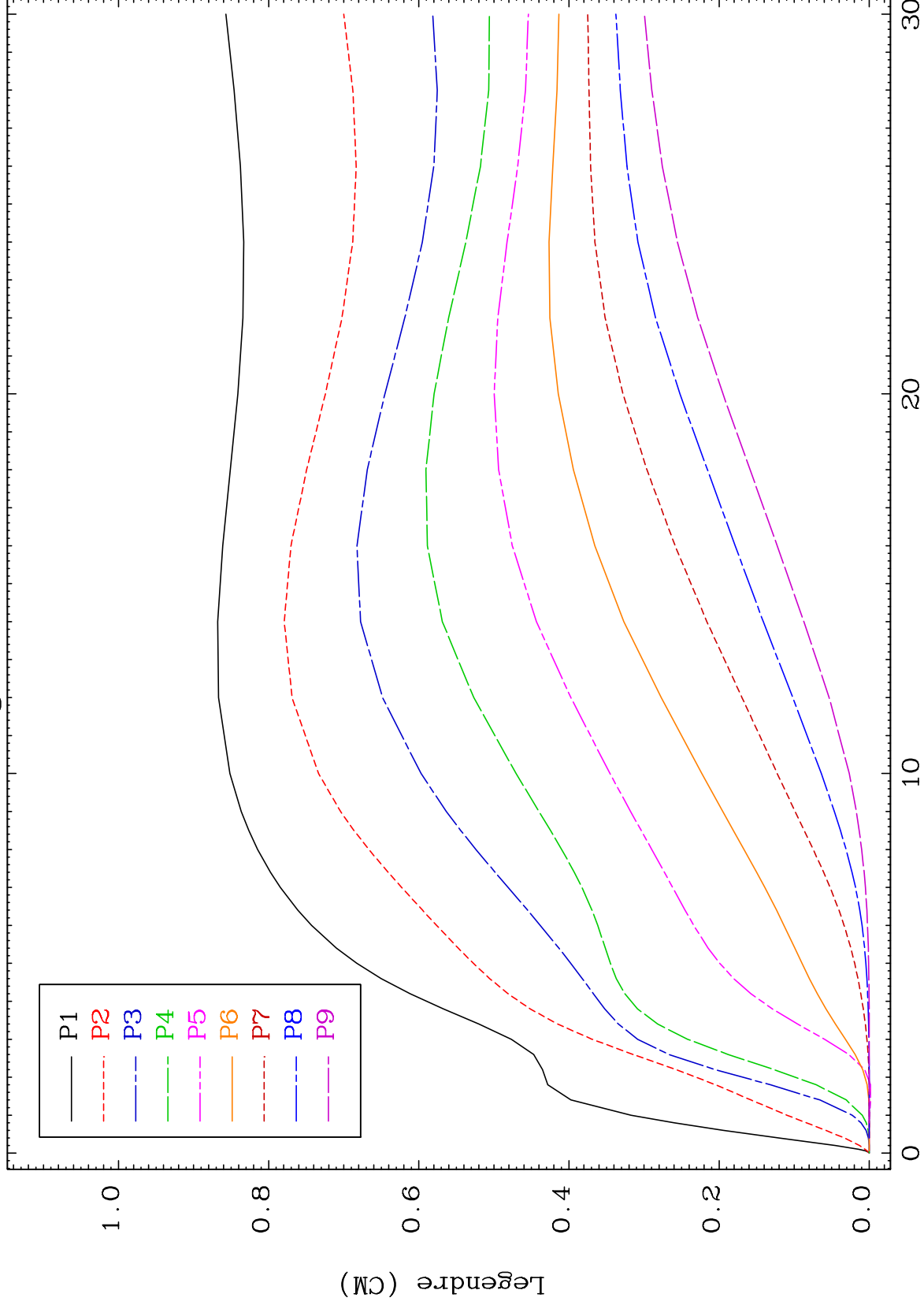
34-Se-79



MAT 3440

Elastic Legendre Coefficients

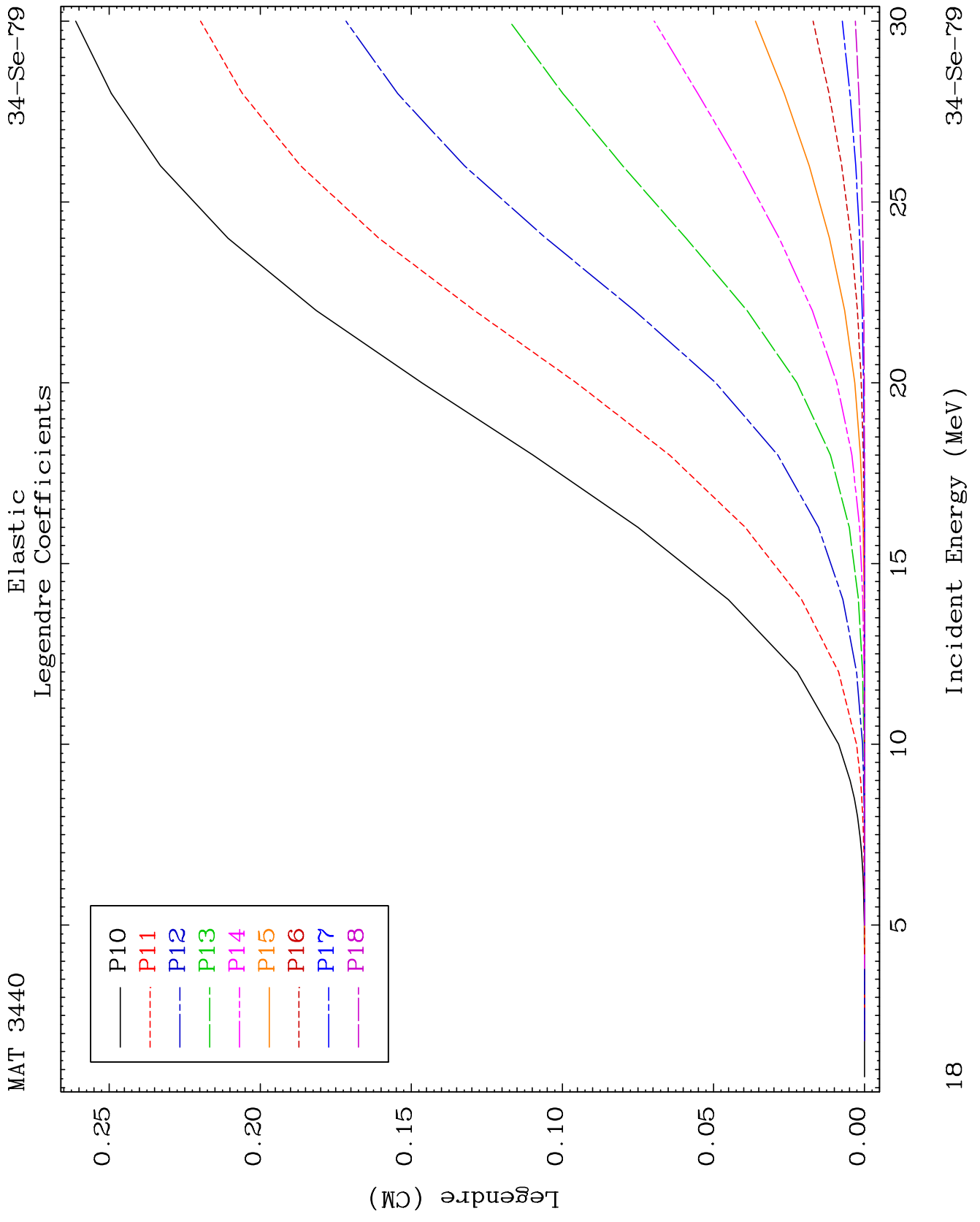
³⁴Se-79

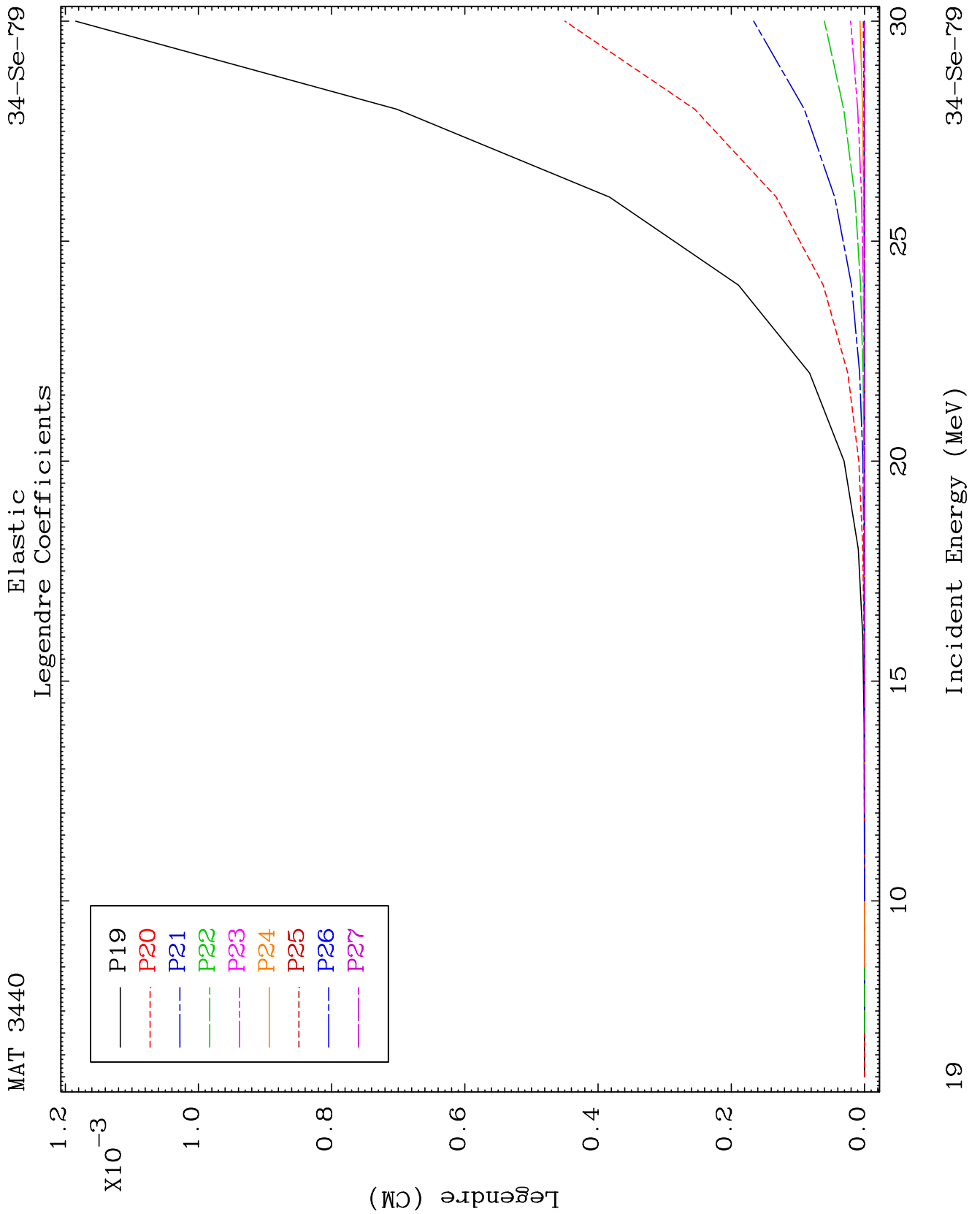


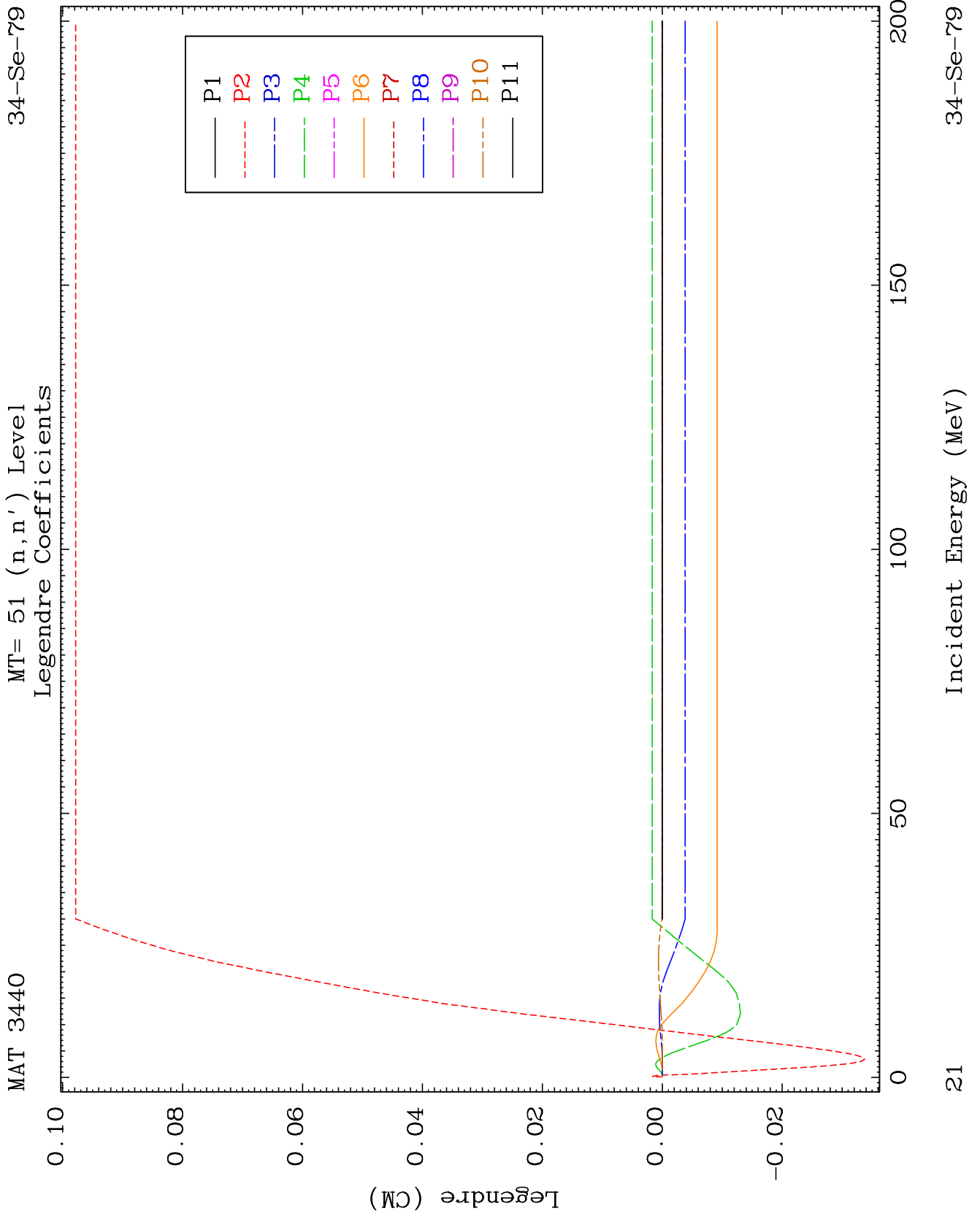
17

Incident Energy (MeV)

³⁴Se-79



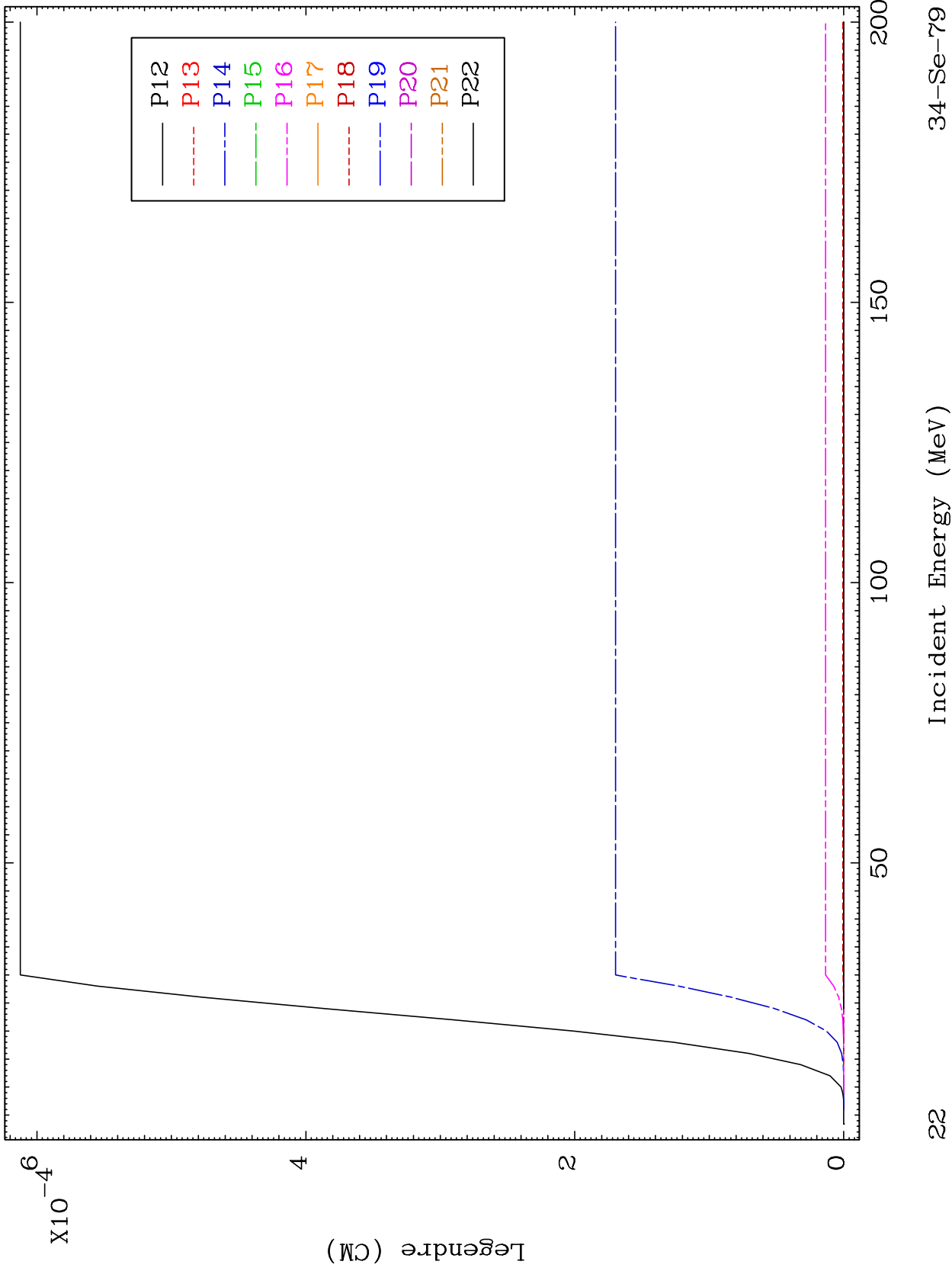


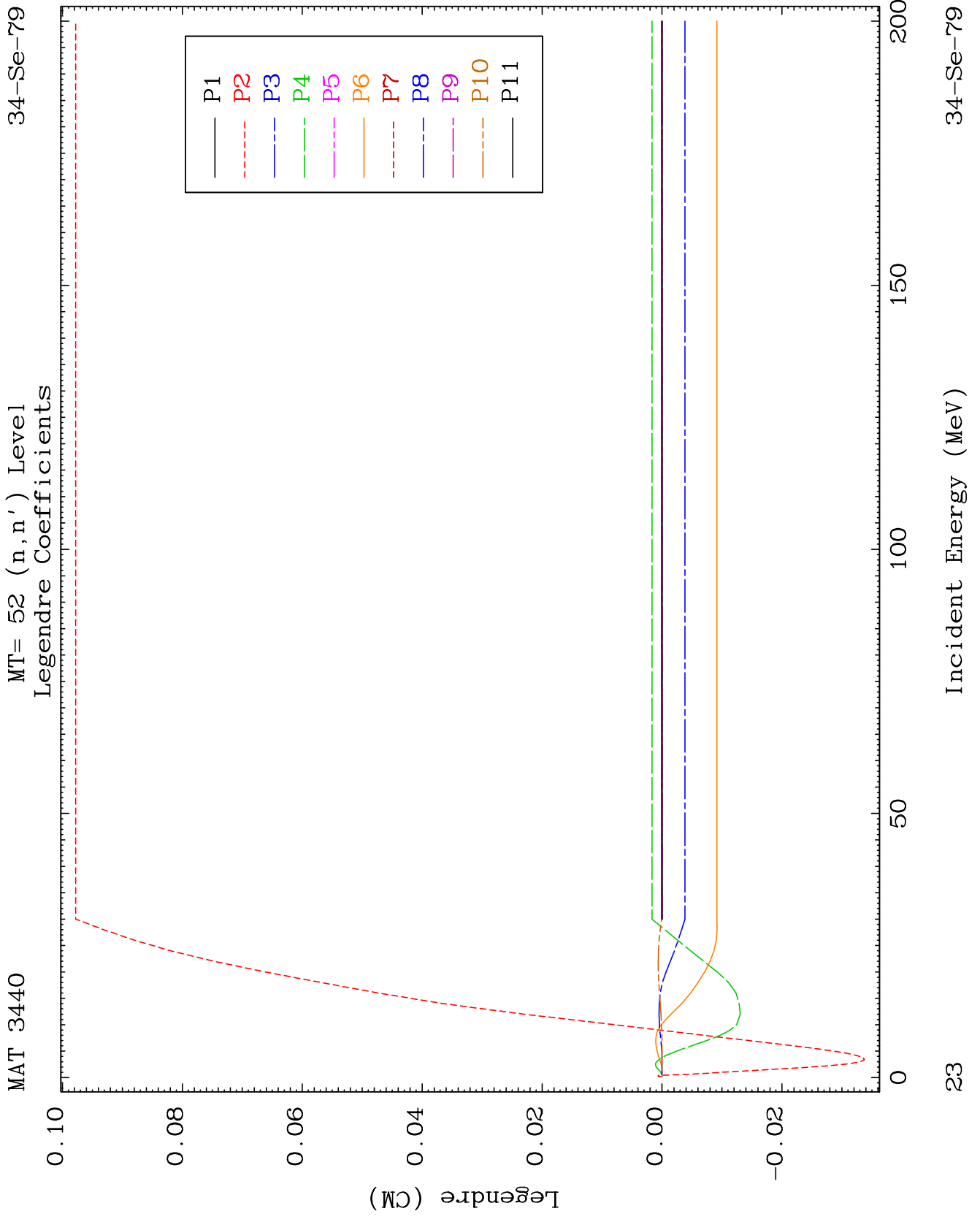


MAT 3440

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

34-Se-79

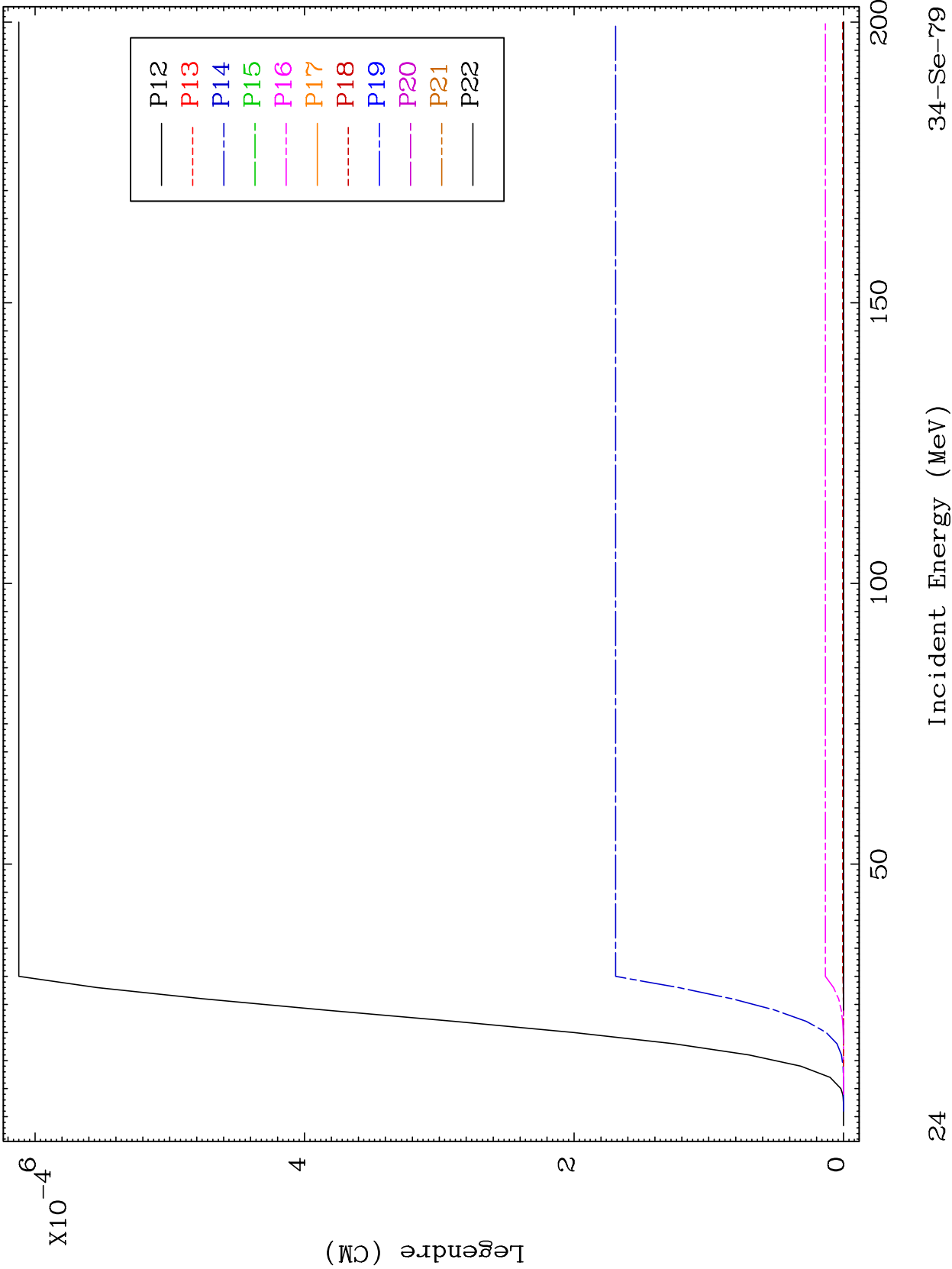




MAT 3440

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

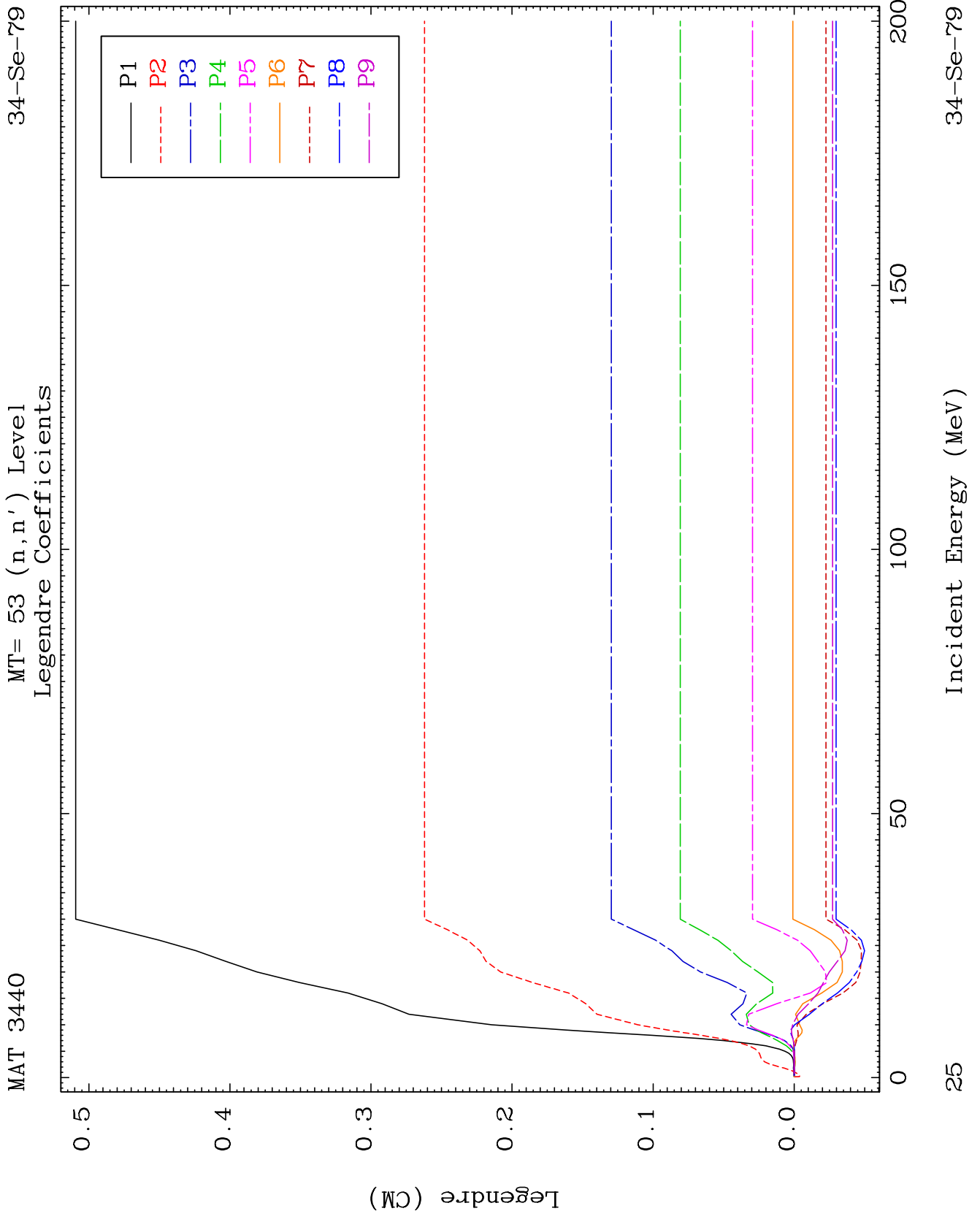
34-Se-79



24

Incident Energy (MeV)

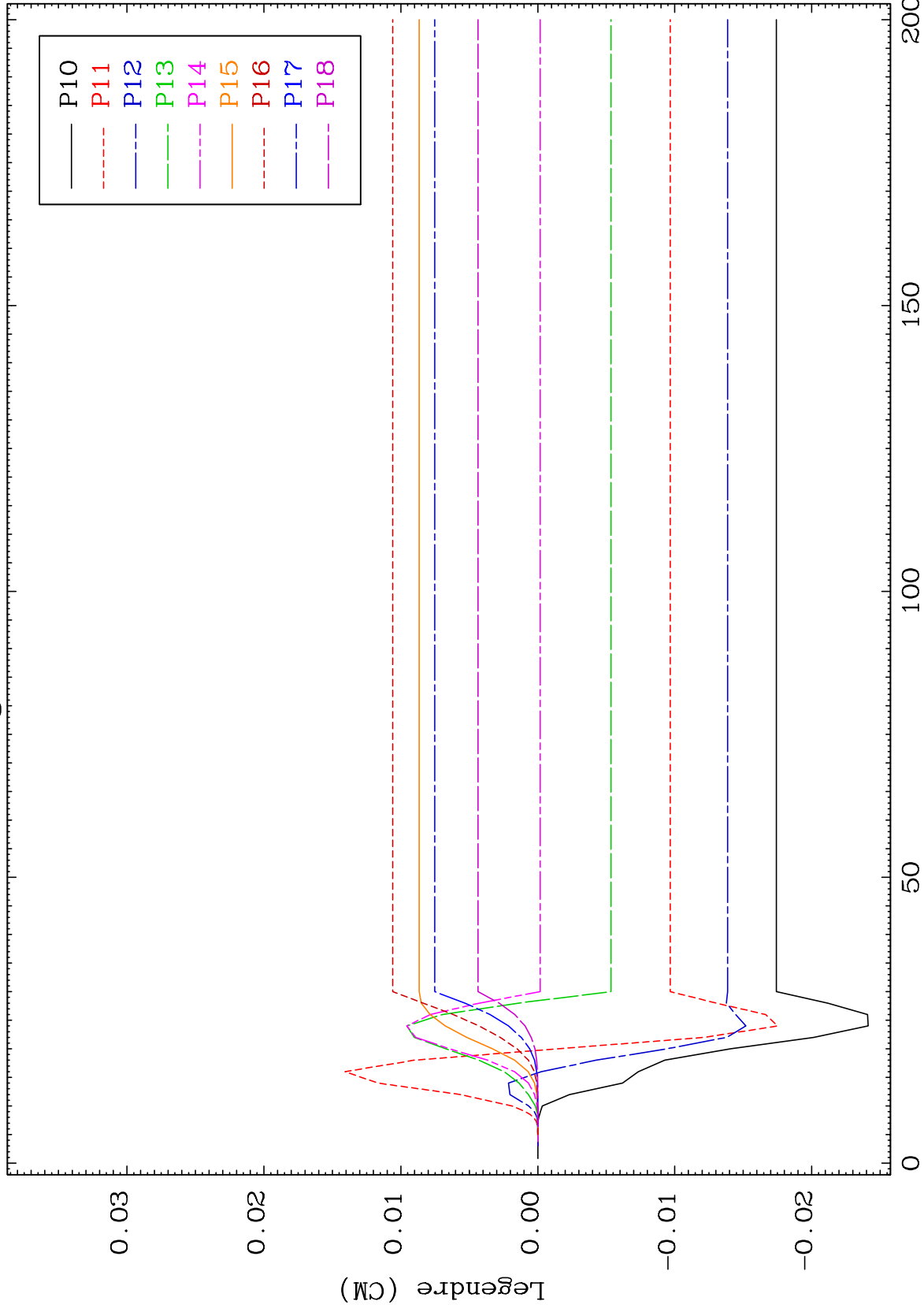
34-Se-79



MAT 3440

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

³⁴Se-79



26

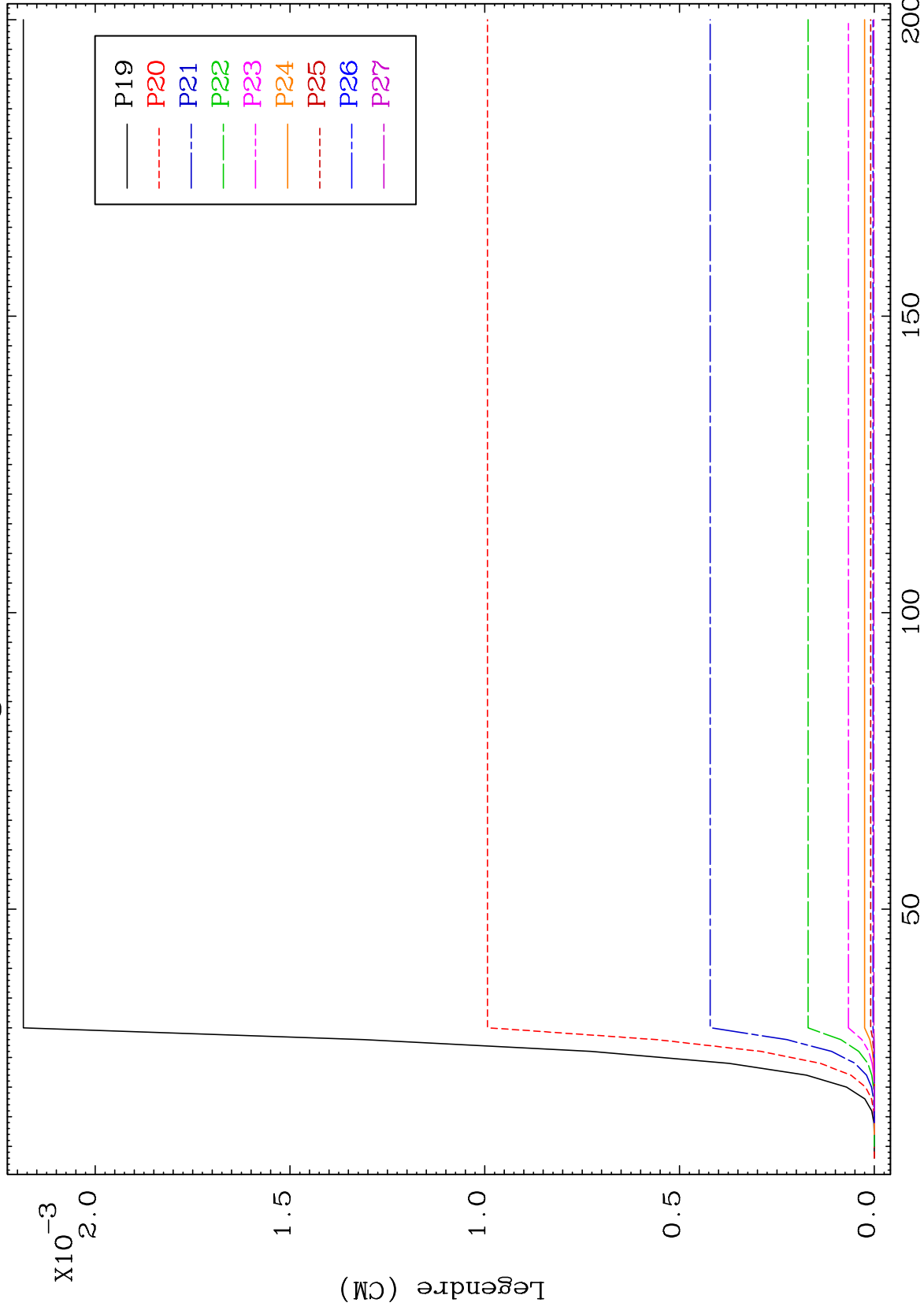
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

34-Se-79



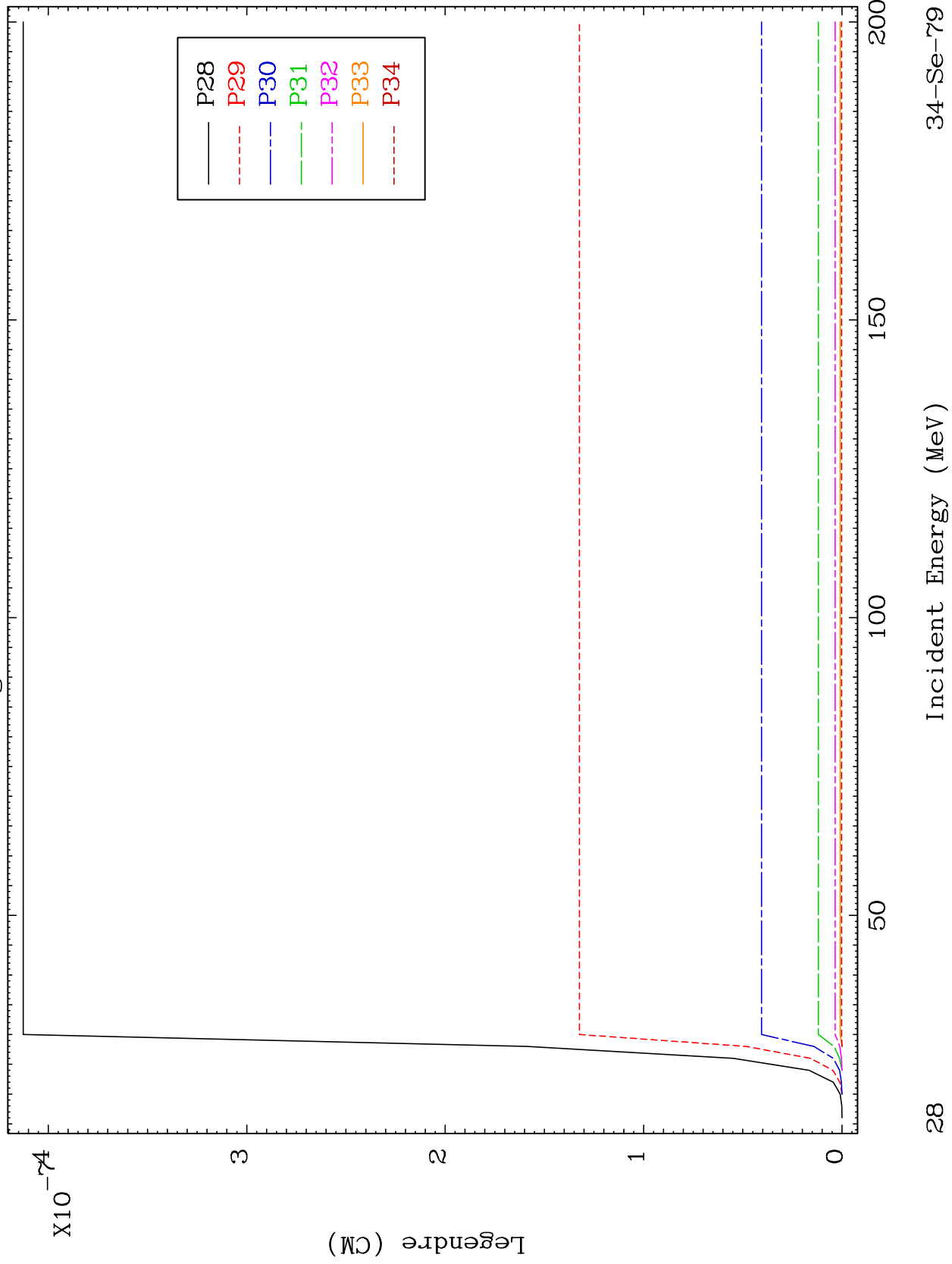
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34-Se-79

MAT 3440

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

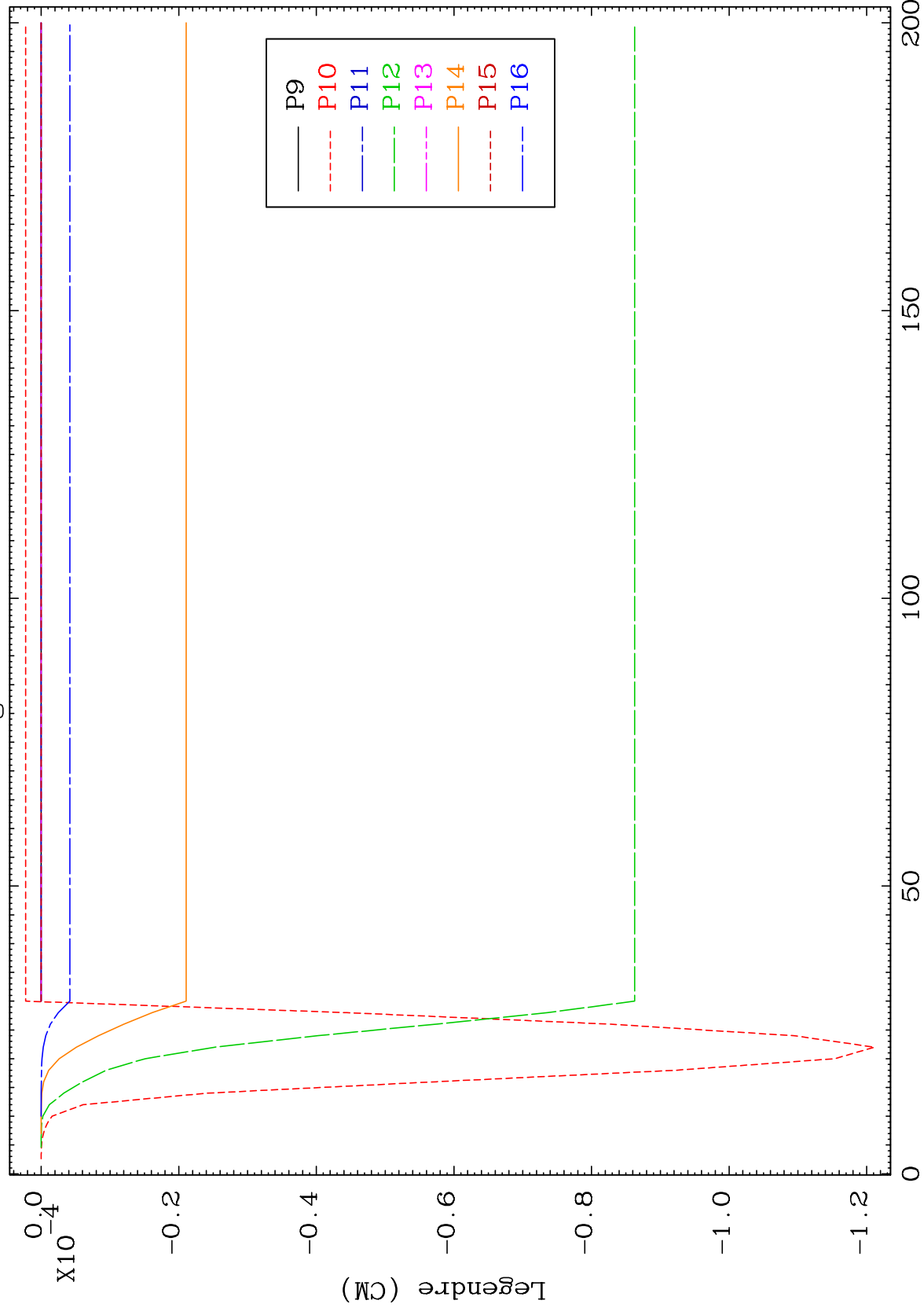
³⁴Se-79



MAT 3440

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

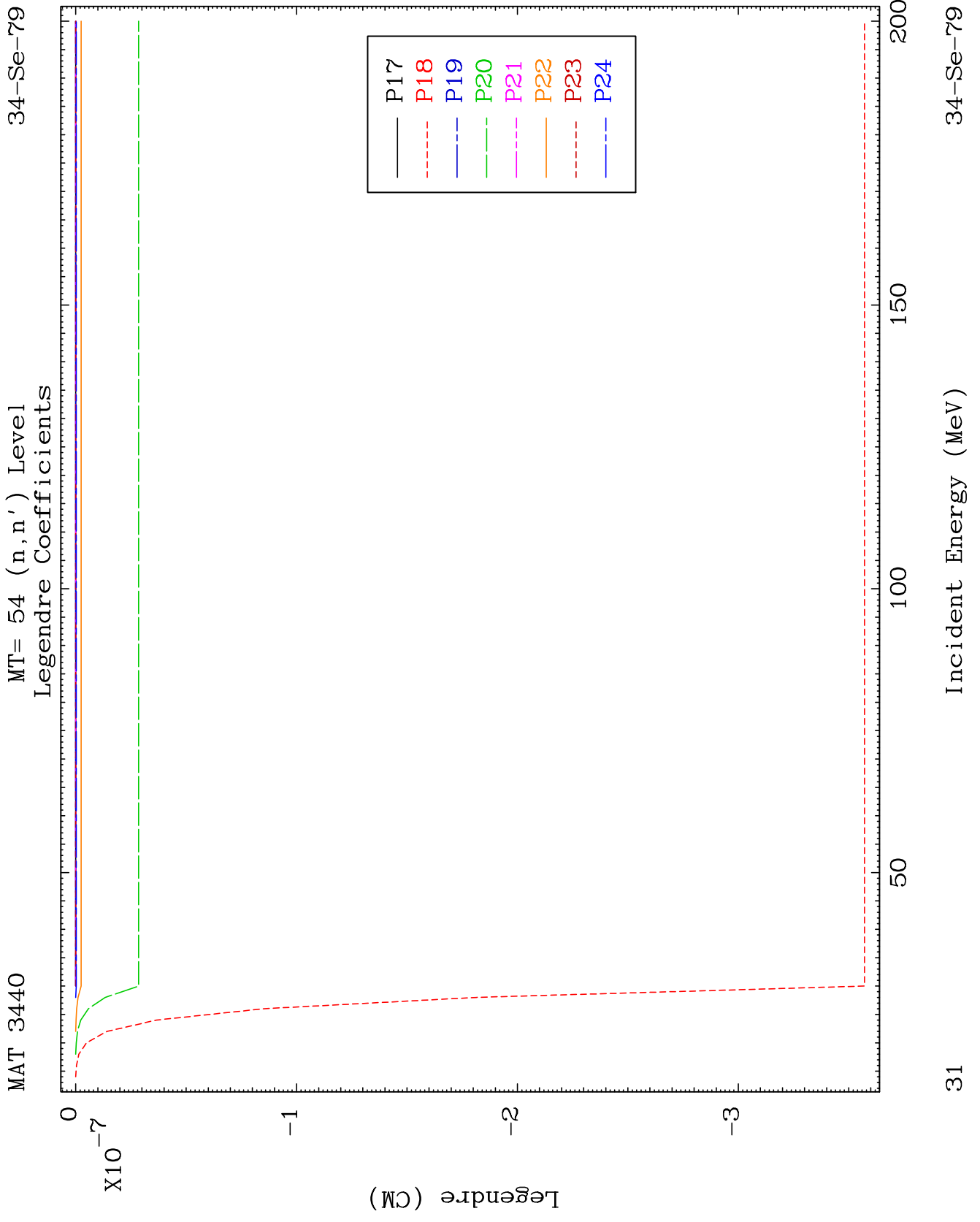
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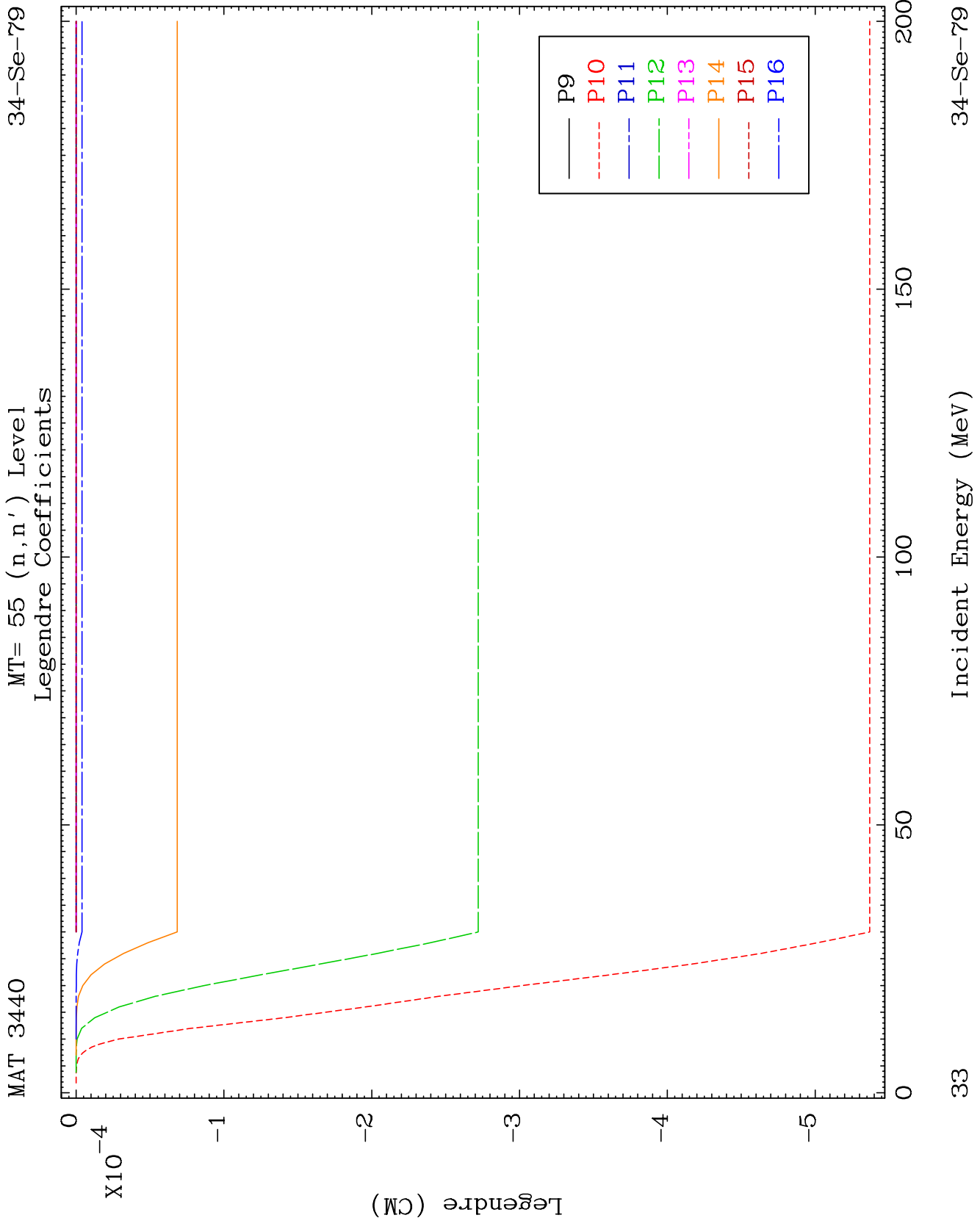


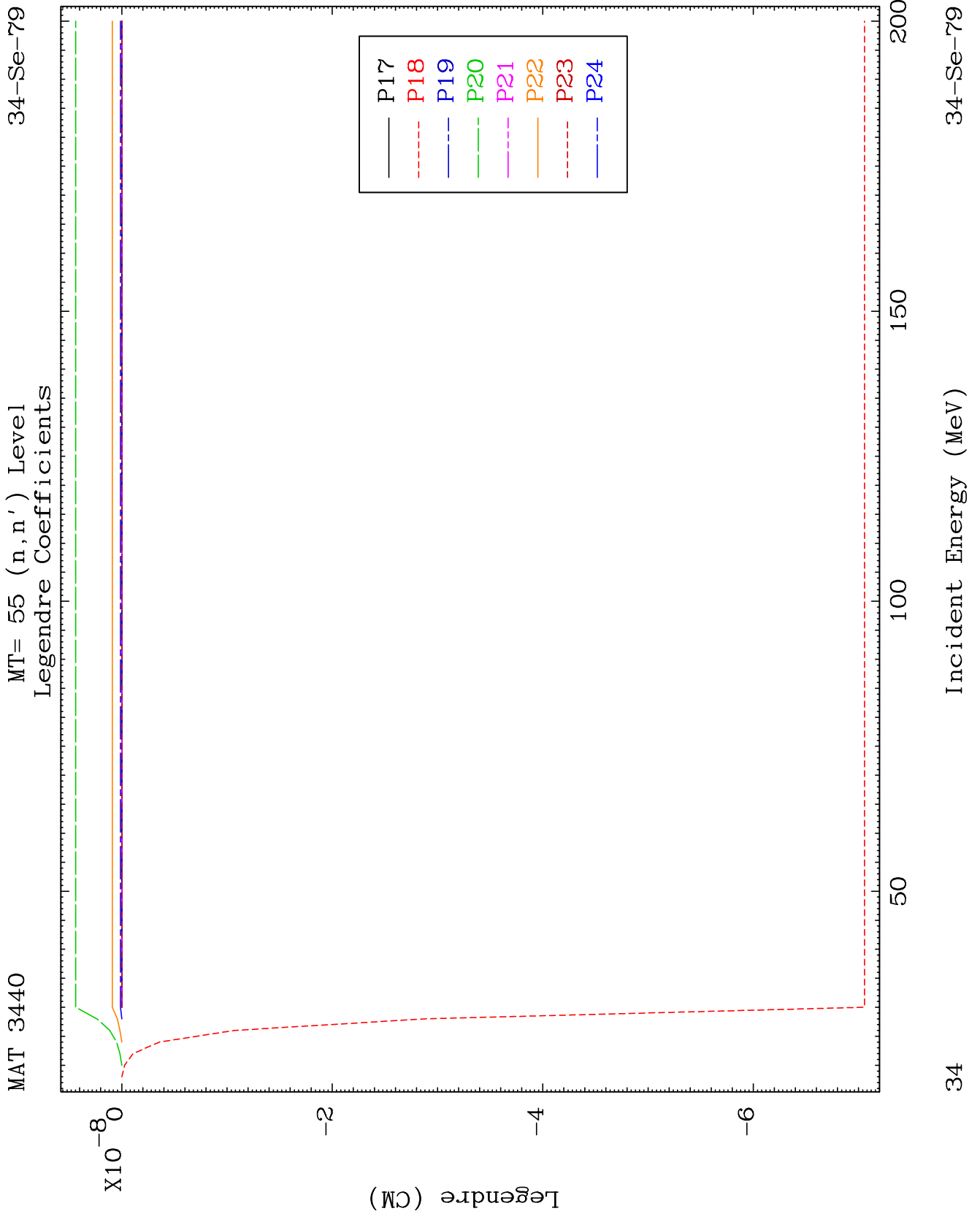
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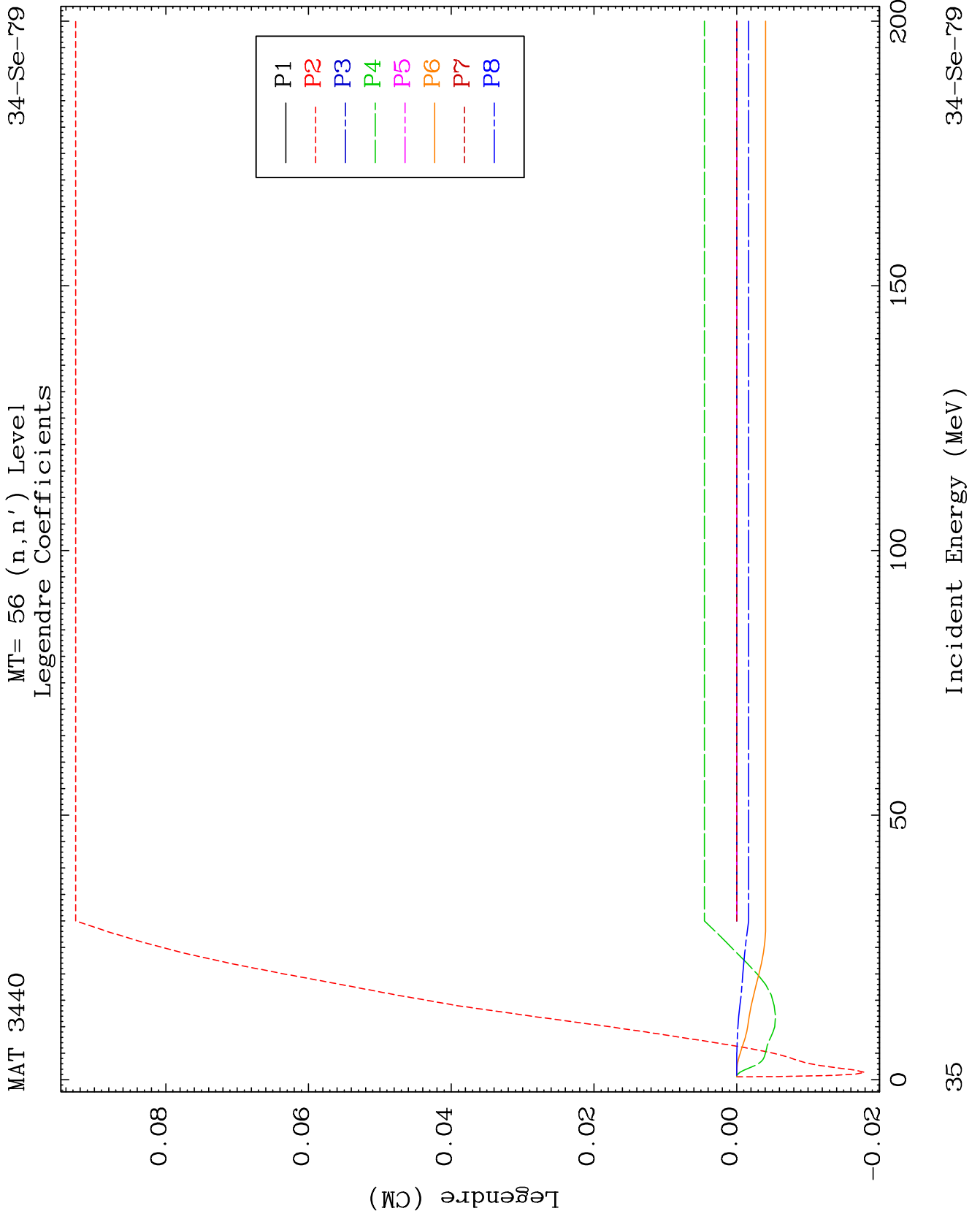
Incident Energy (MeV)

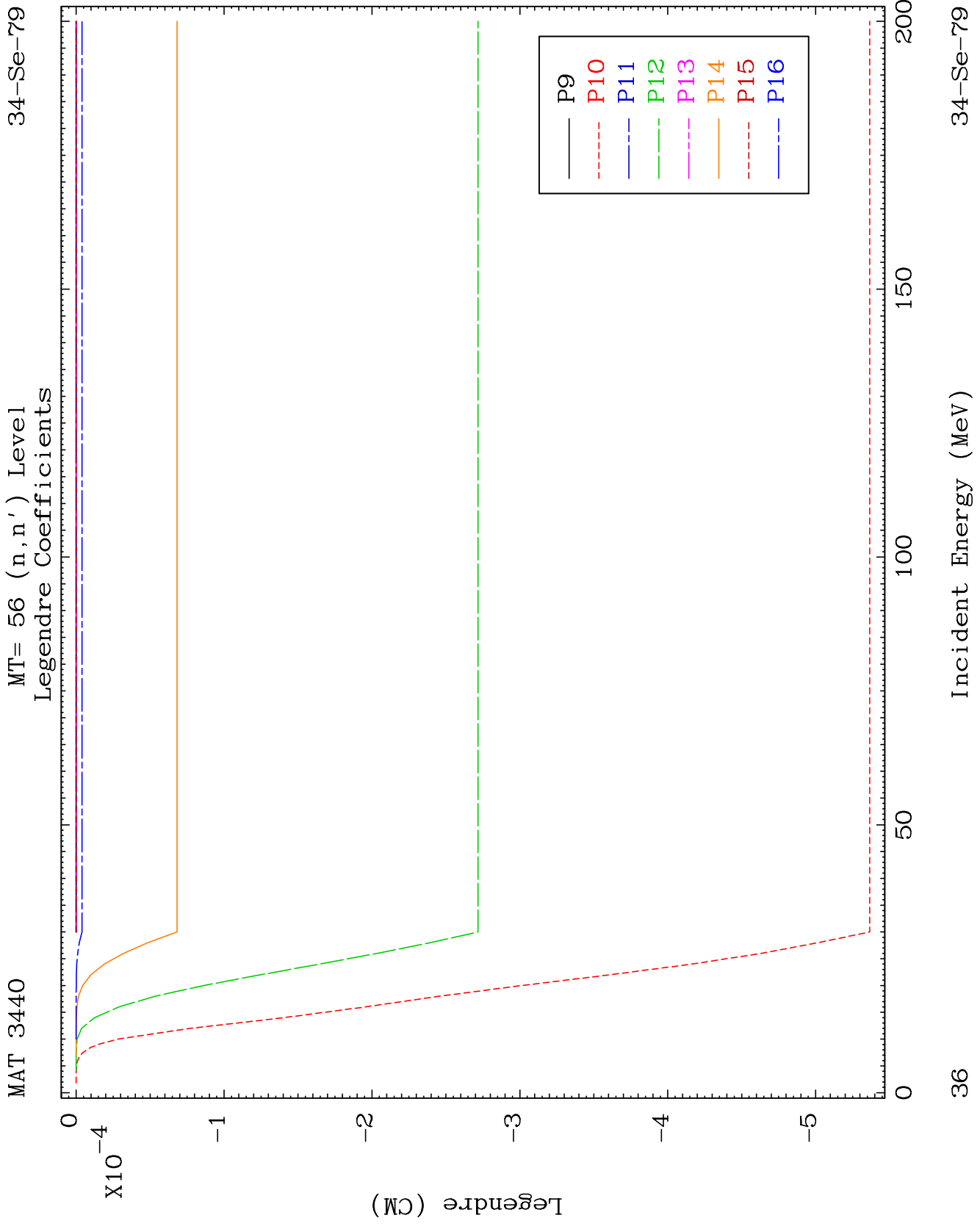
³⁴Se-79

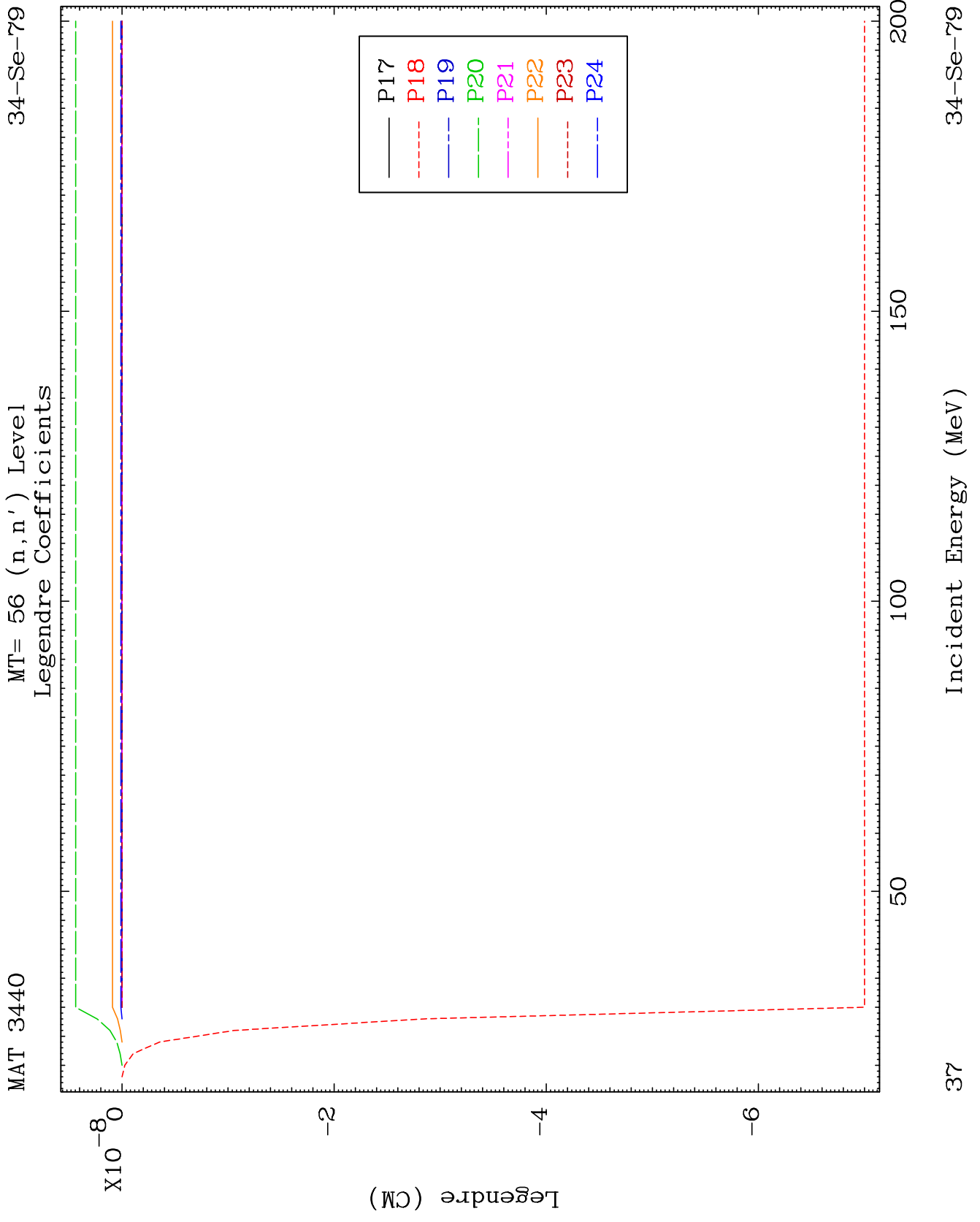








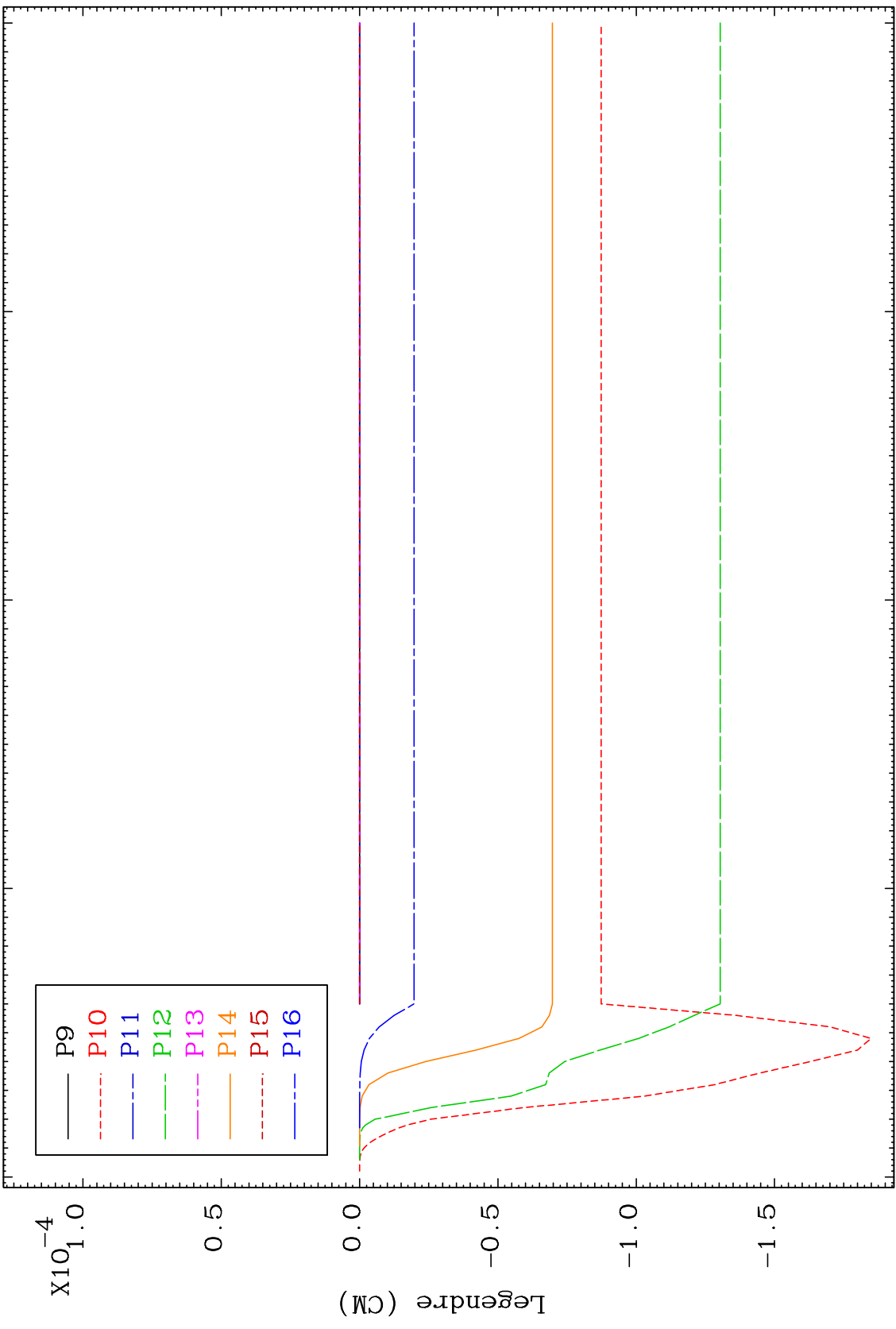
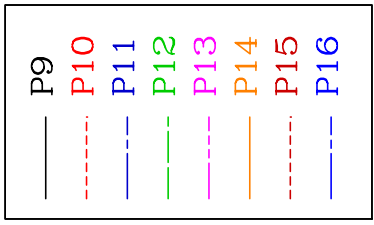




MAT 3440

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

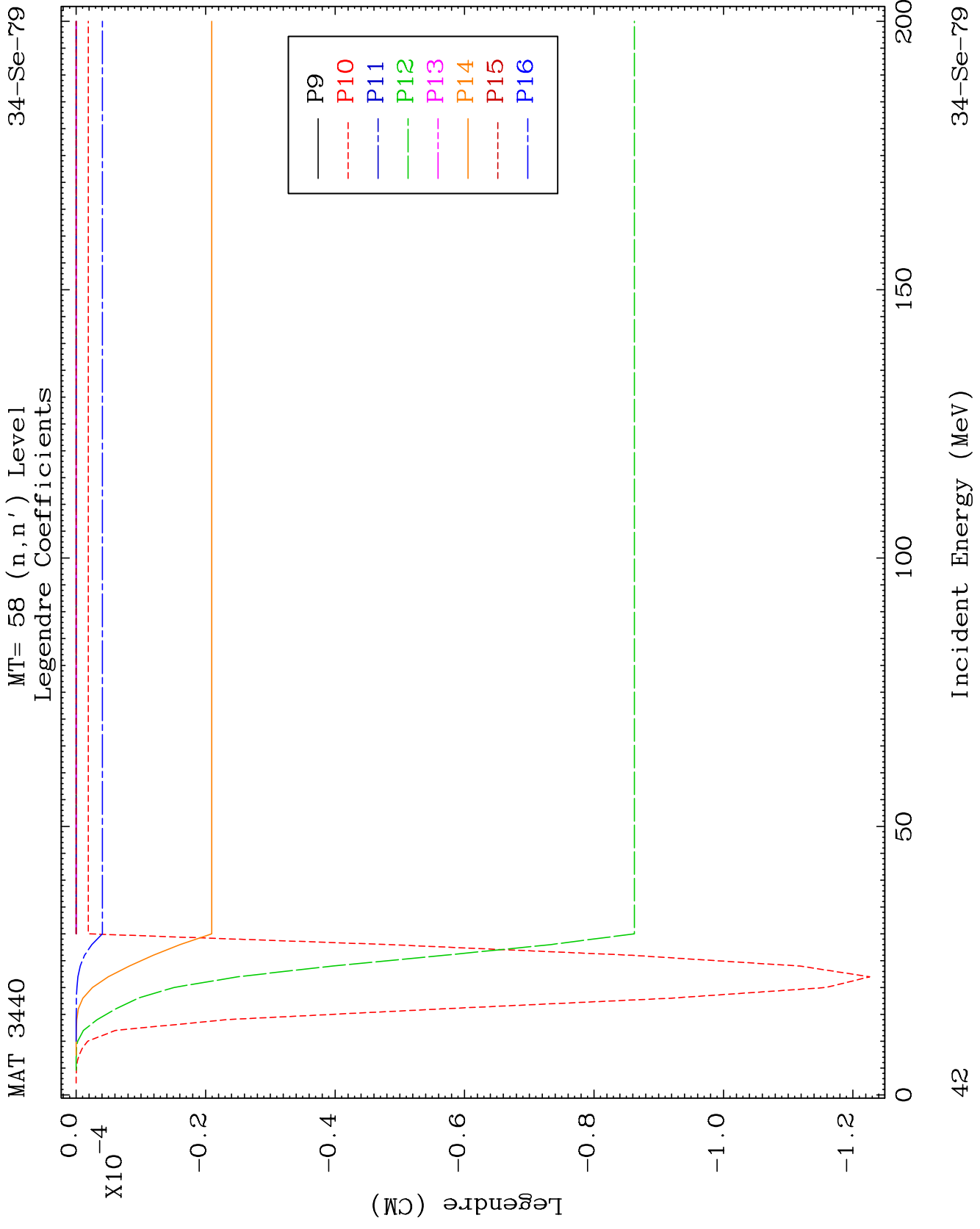
34-Se-79

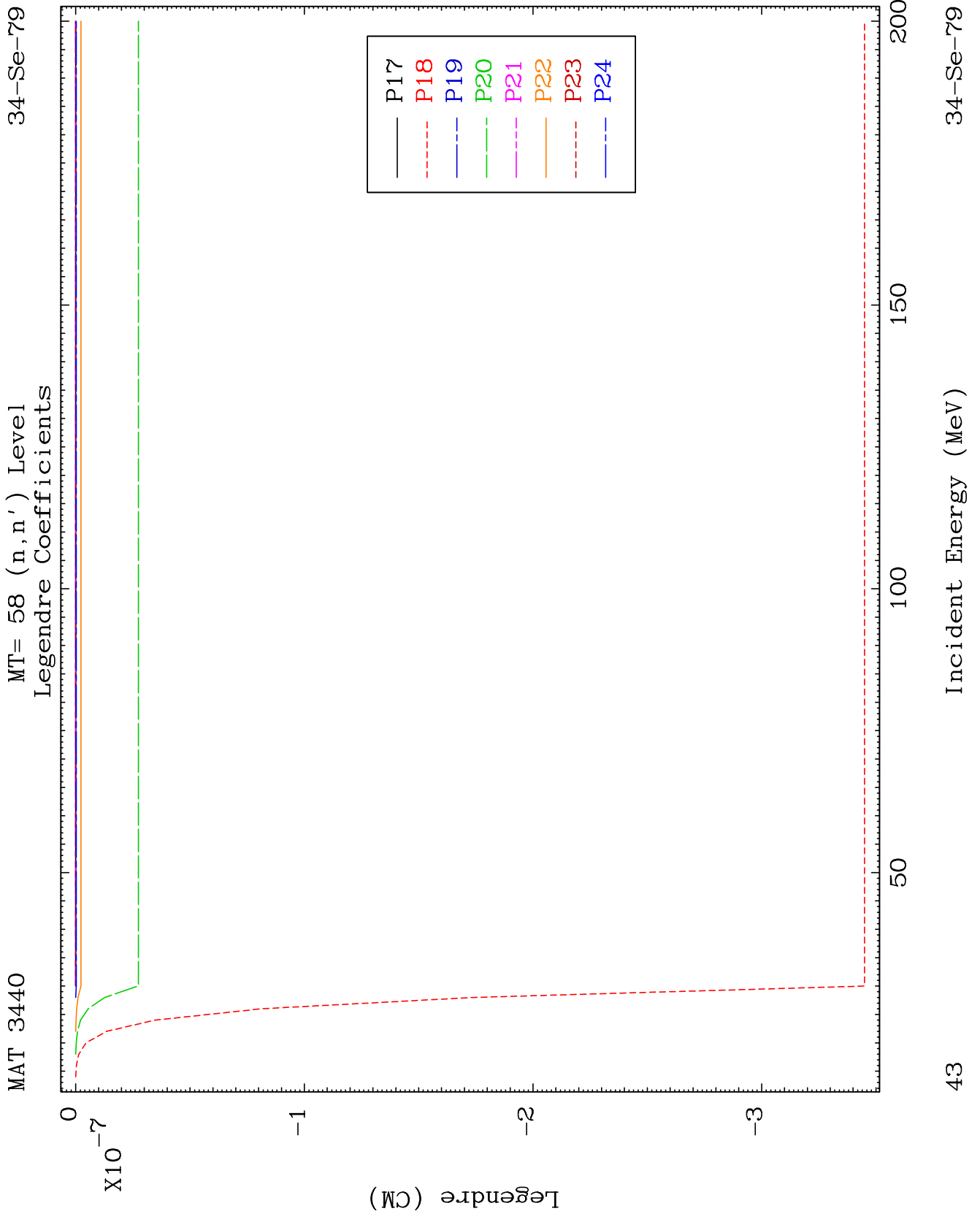


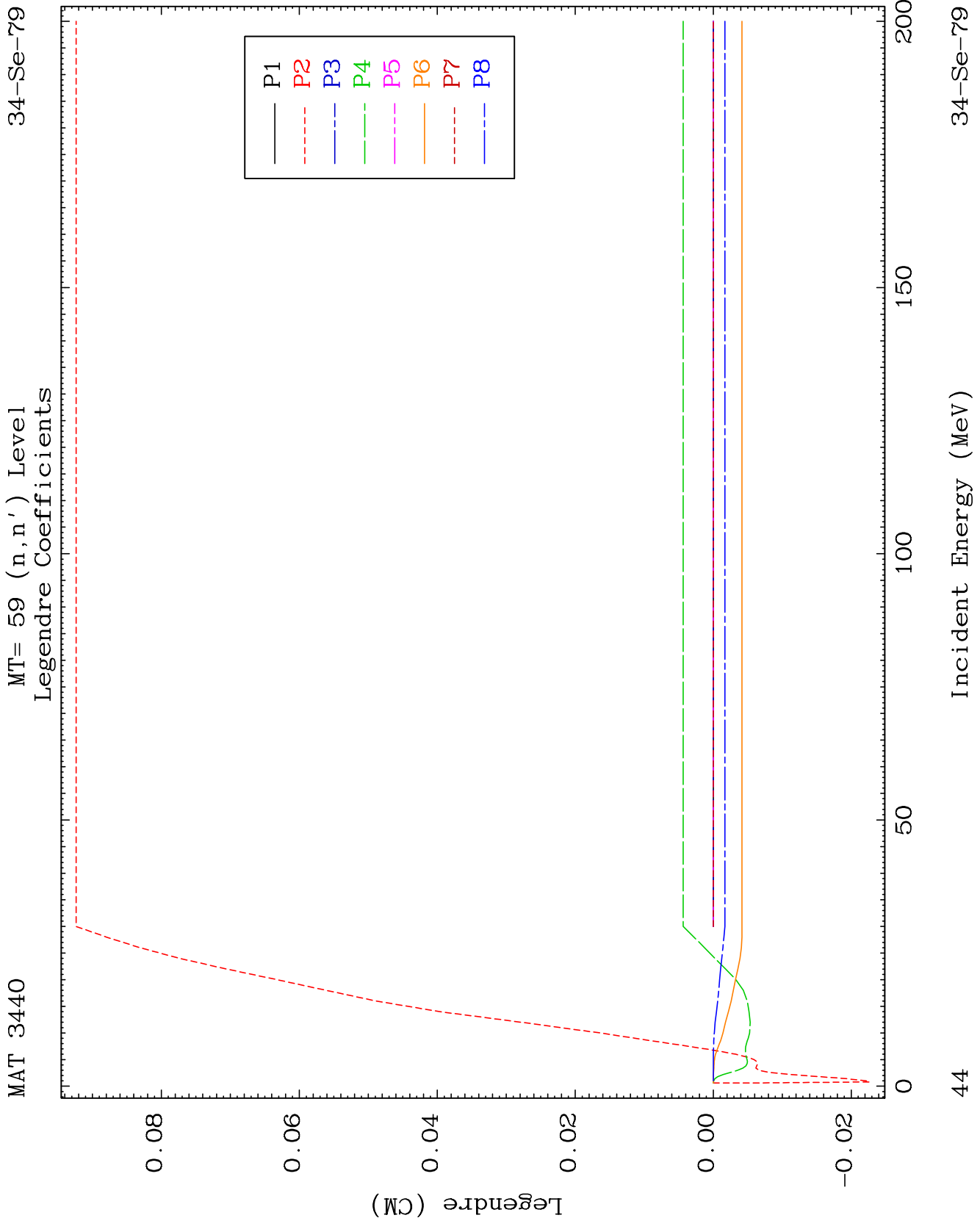
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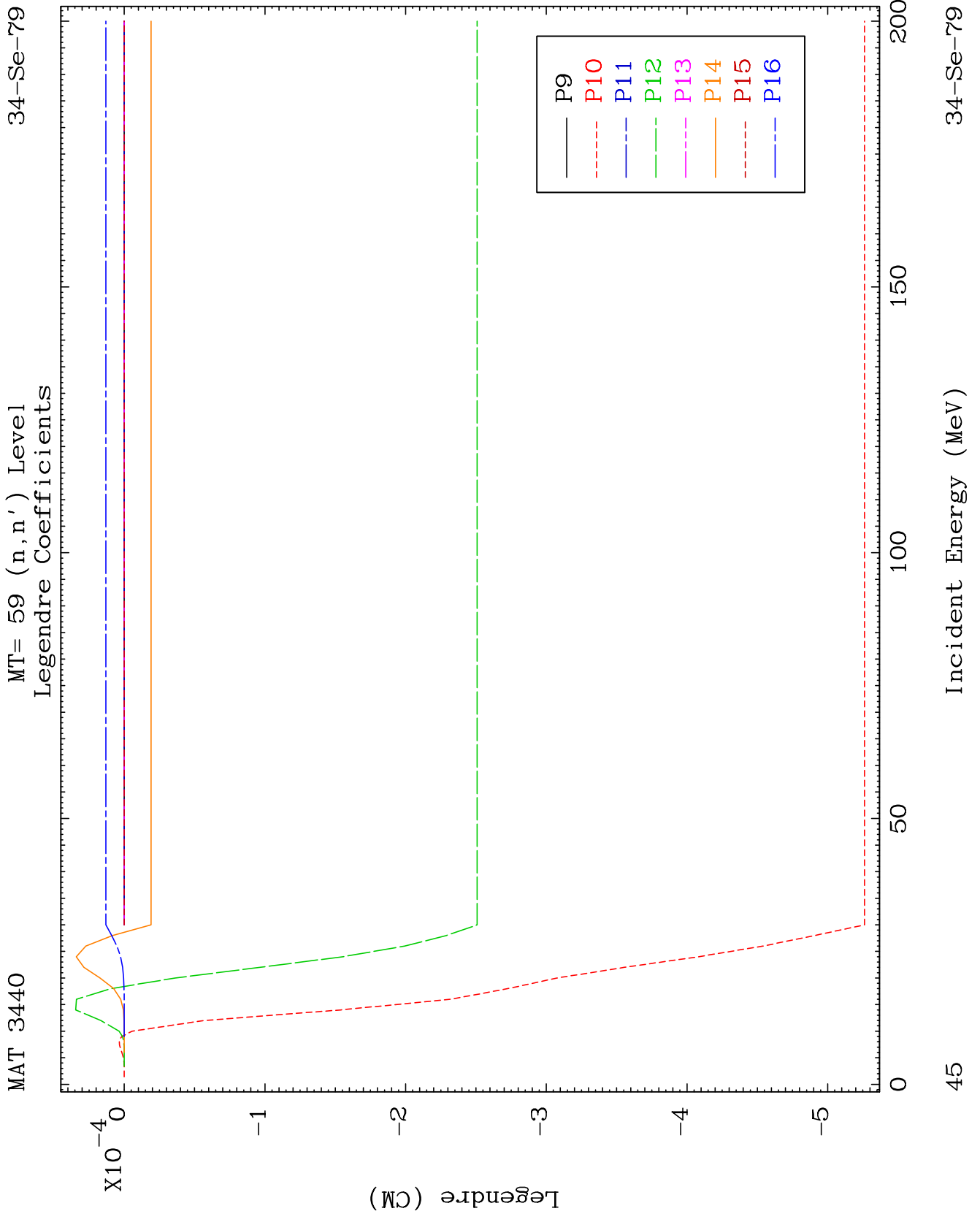
Incident Energy (MeV)

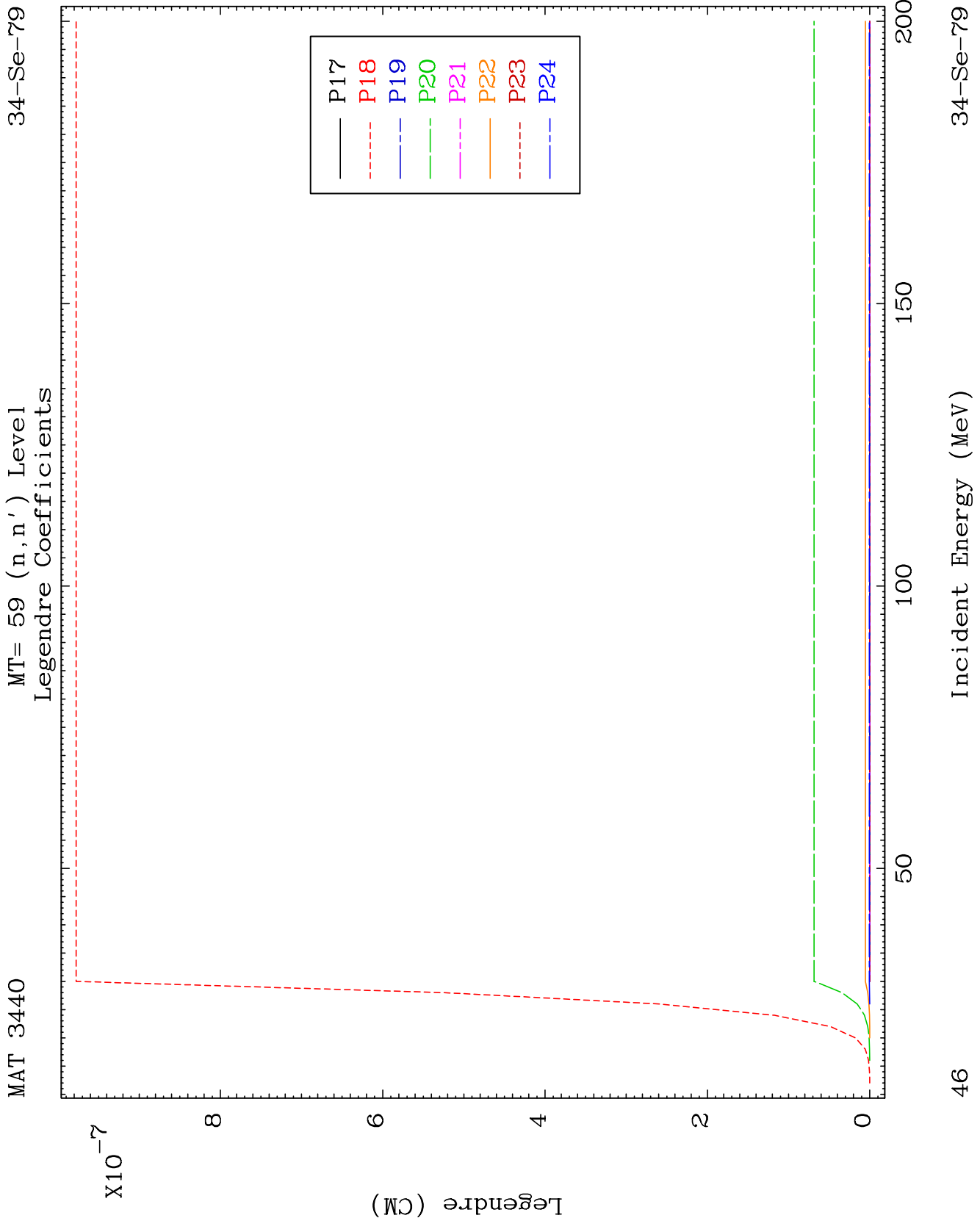
34-Se-79







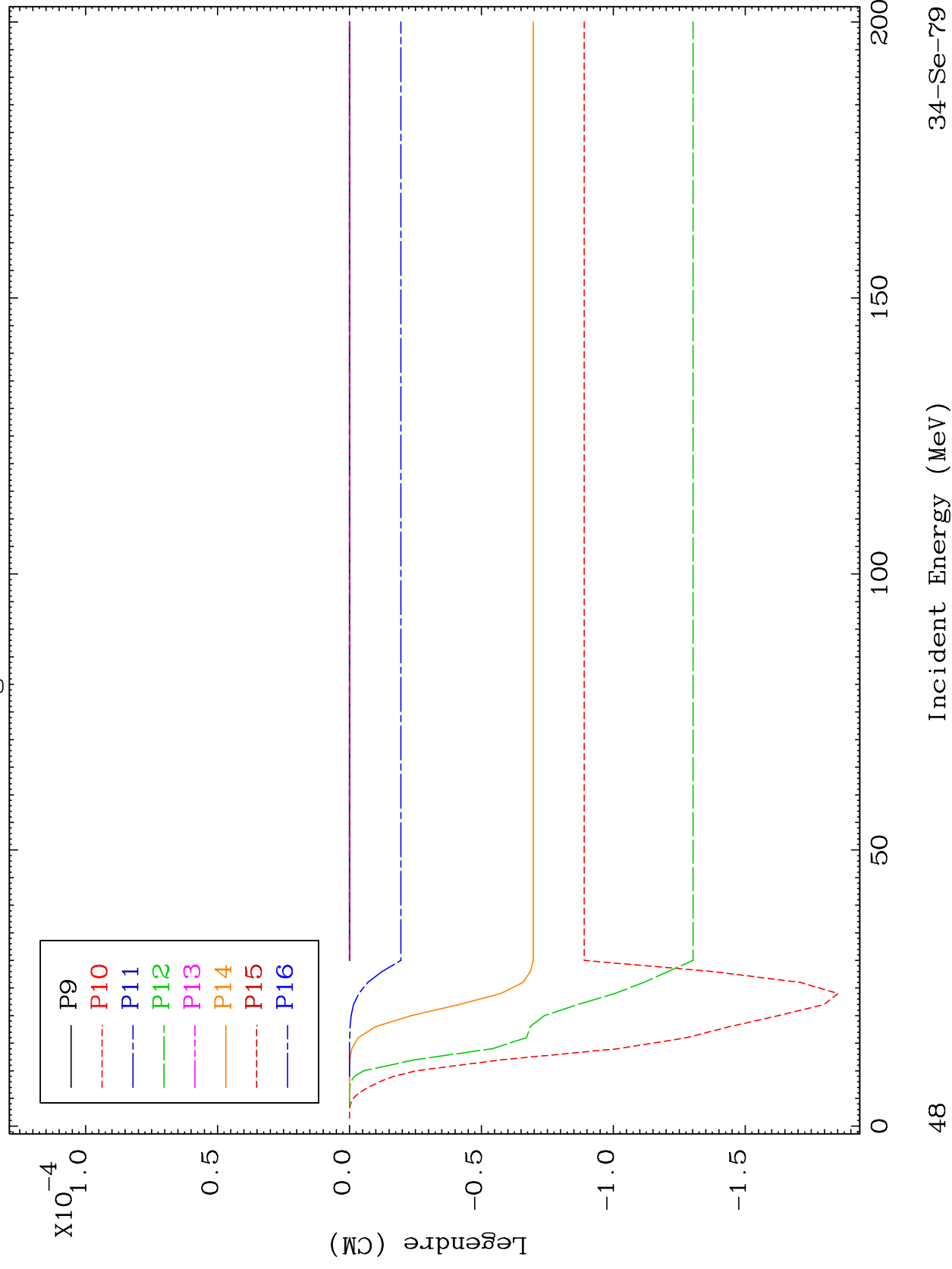




MAT 3440

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

34-Se-79



48

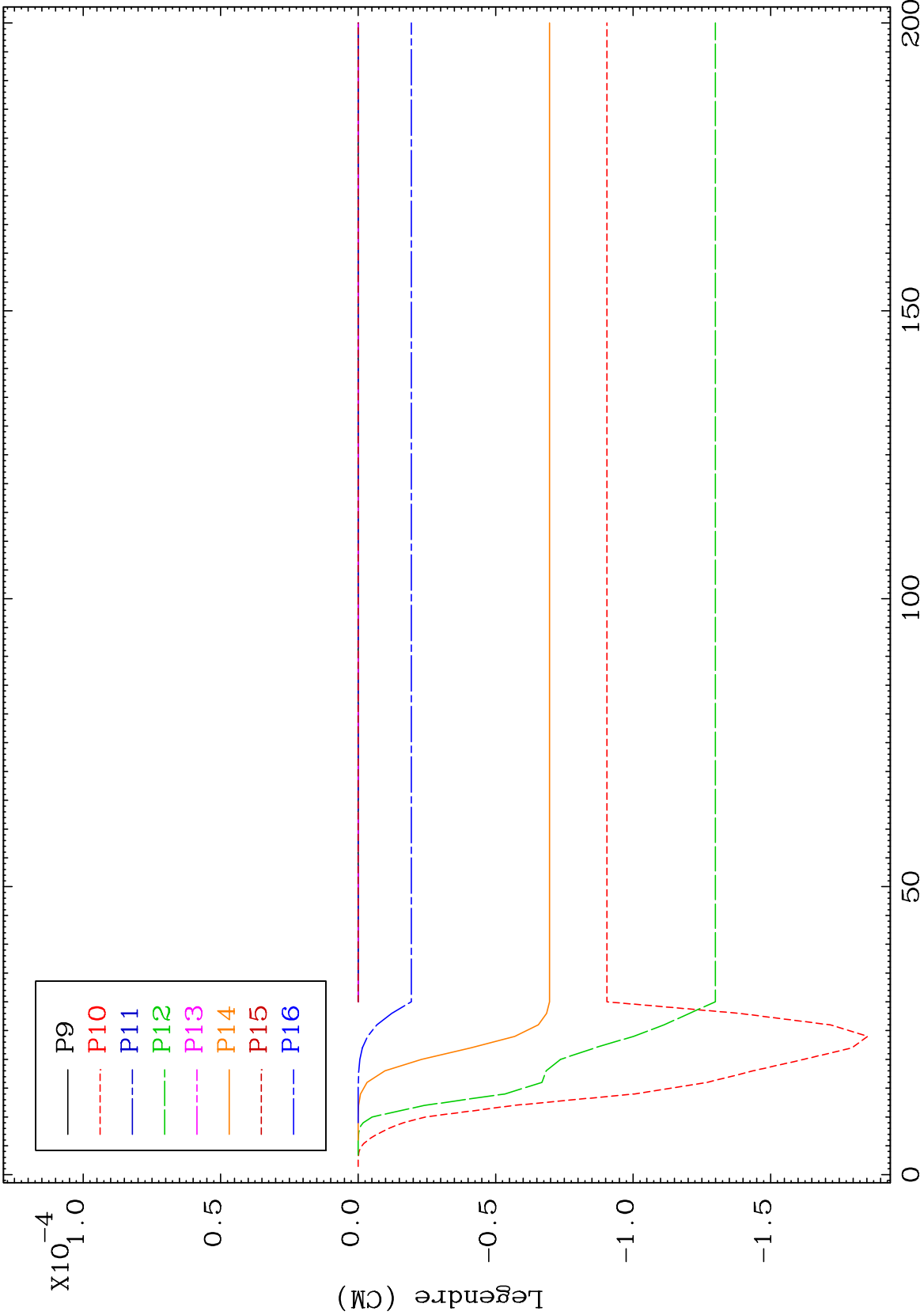
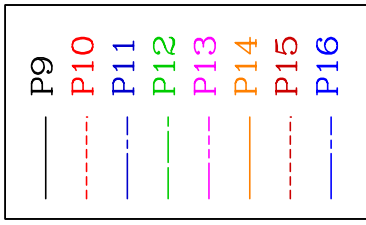
Incident Energy (MeV)

34-Se-79

MAT 3440

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

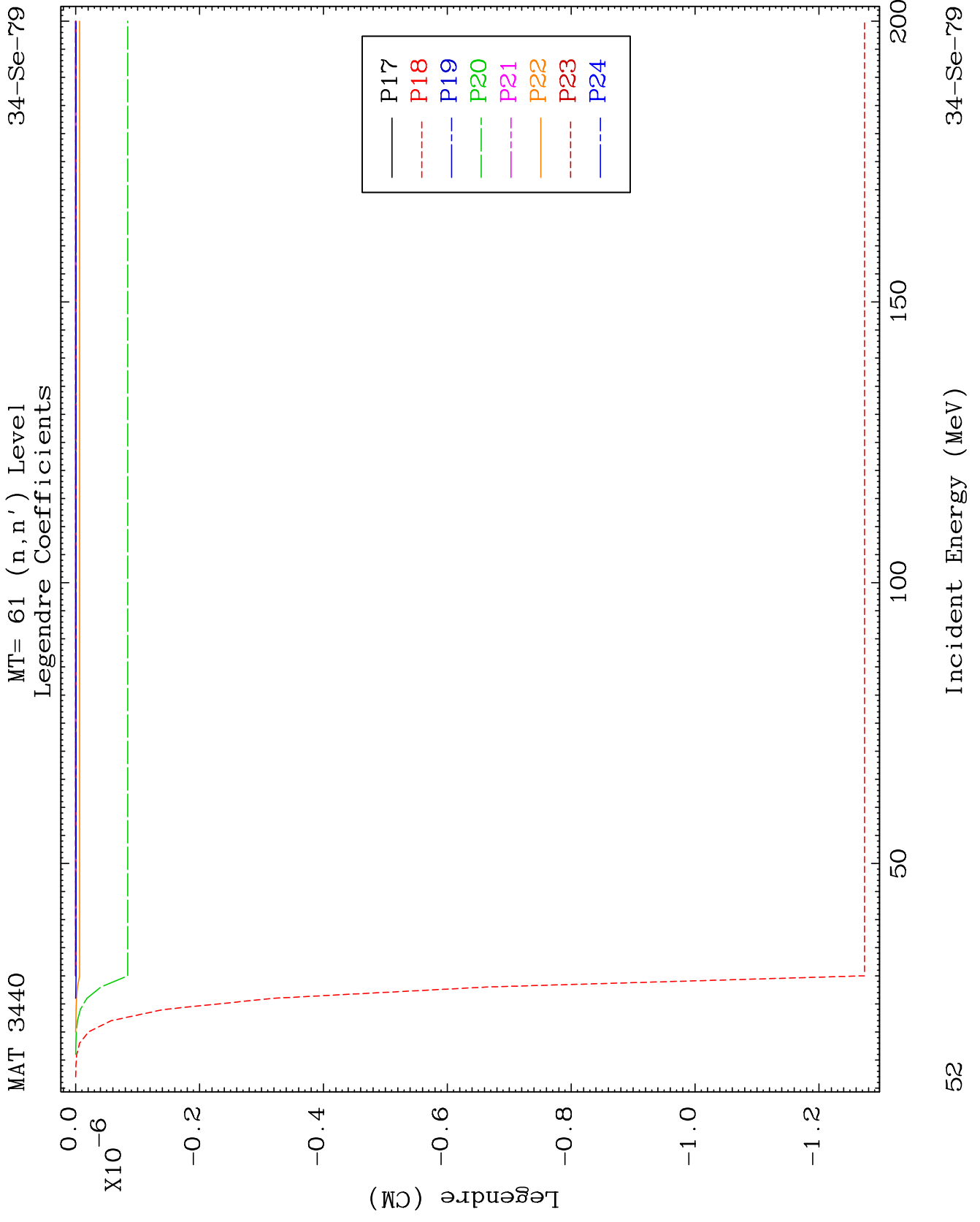
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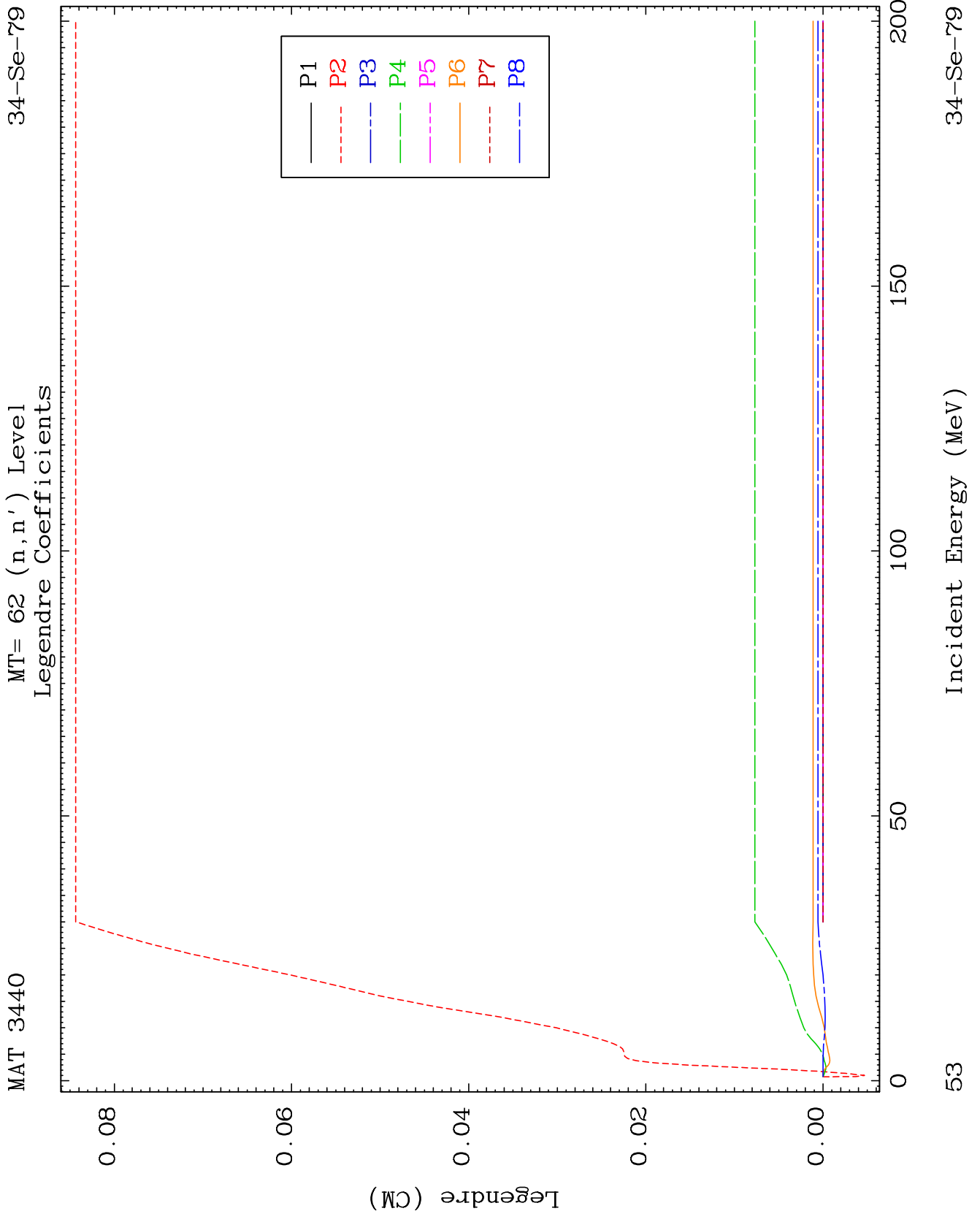


51

Incident Energy (MeV)

34-Se-79

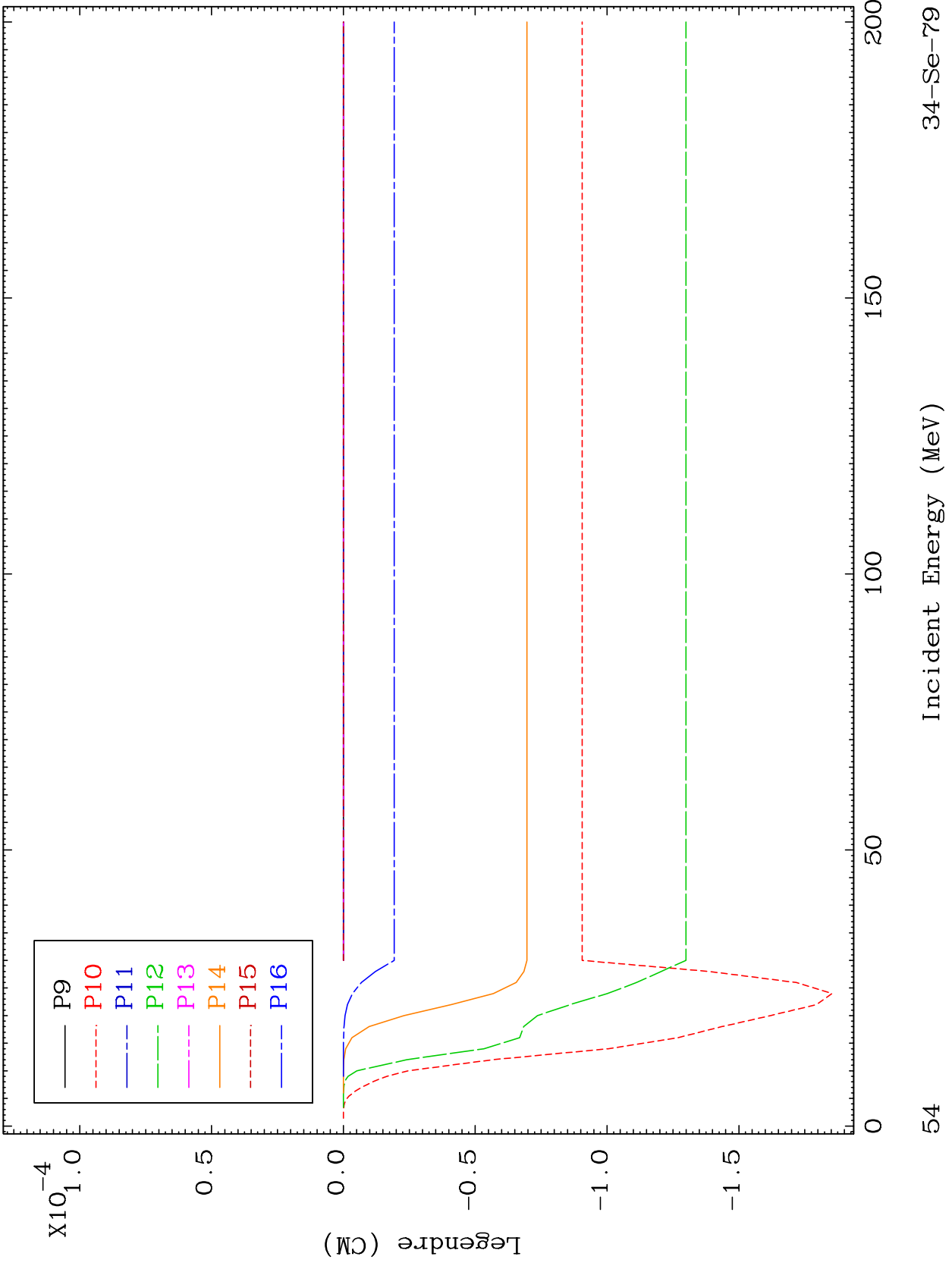




MAT 3440

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

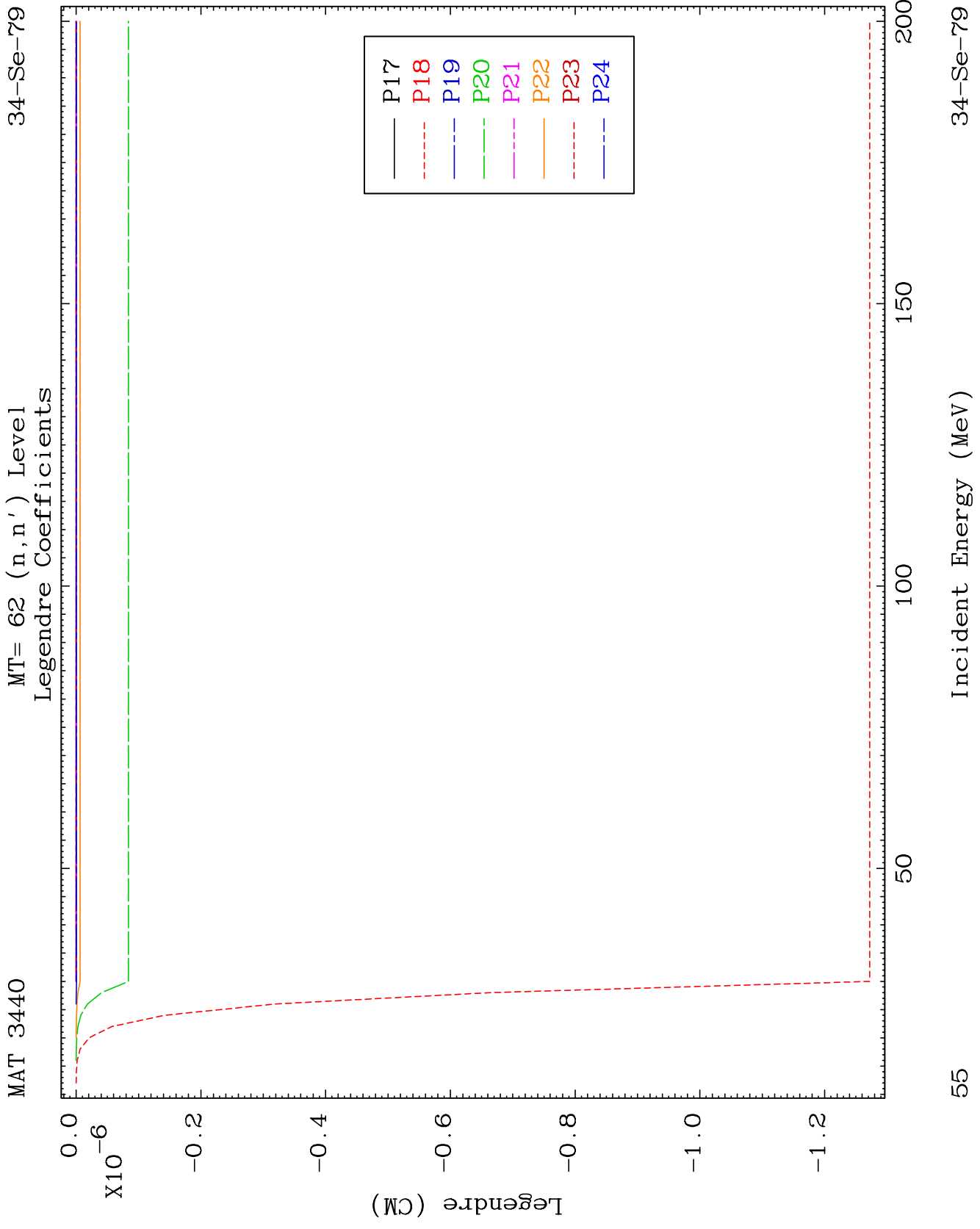
34-Se-79



54

Incident Energy (MeV)

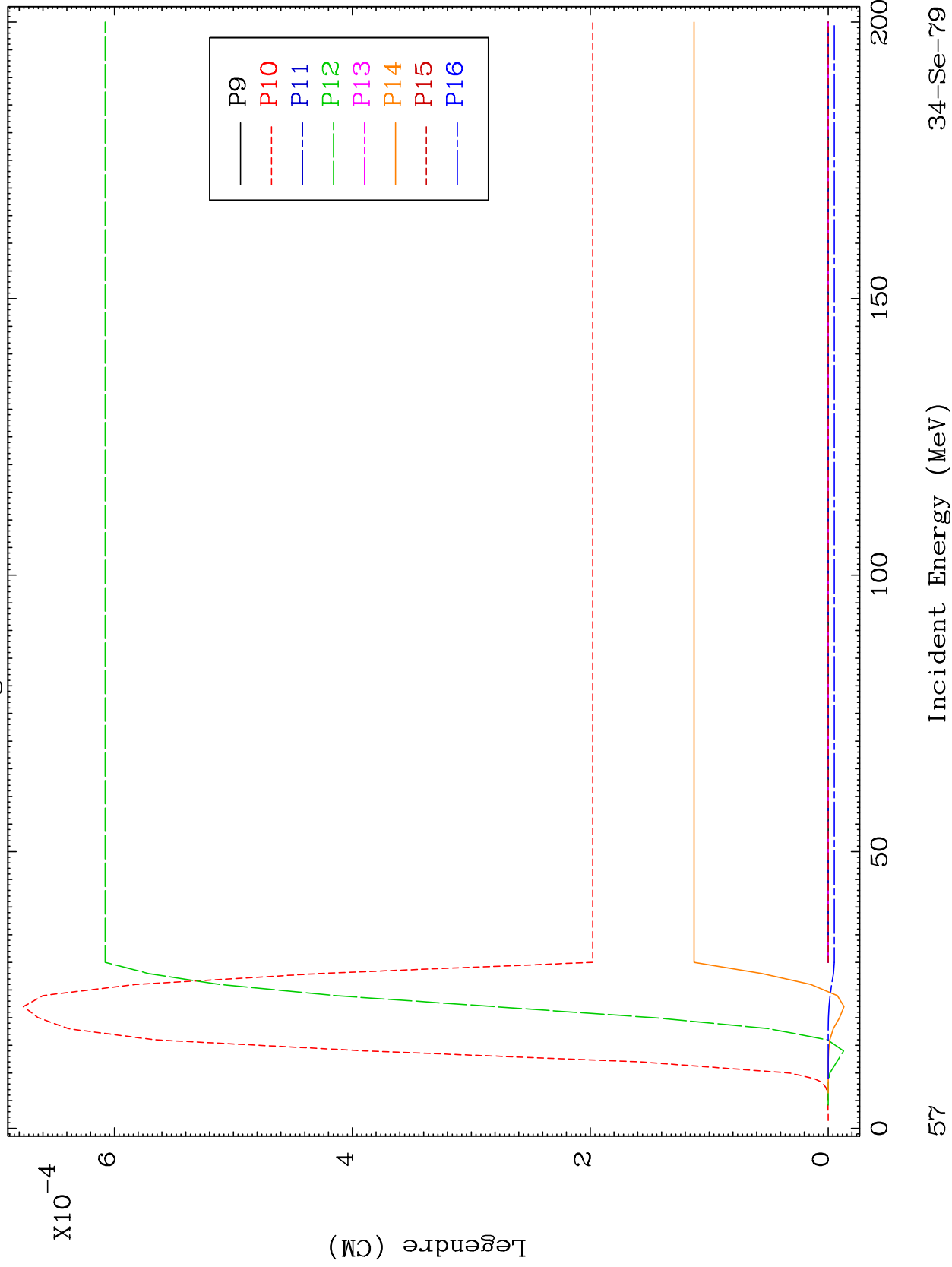
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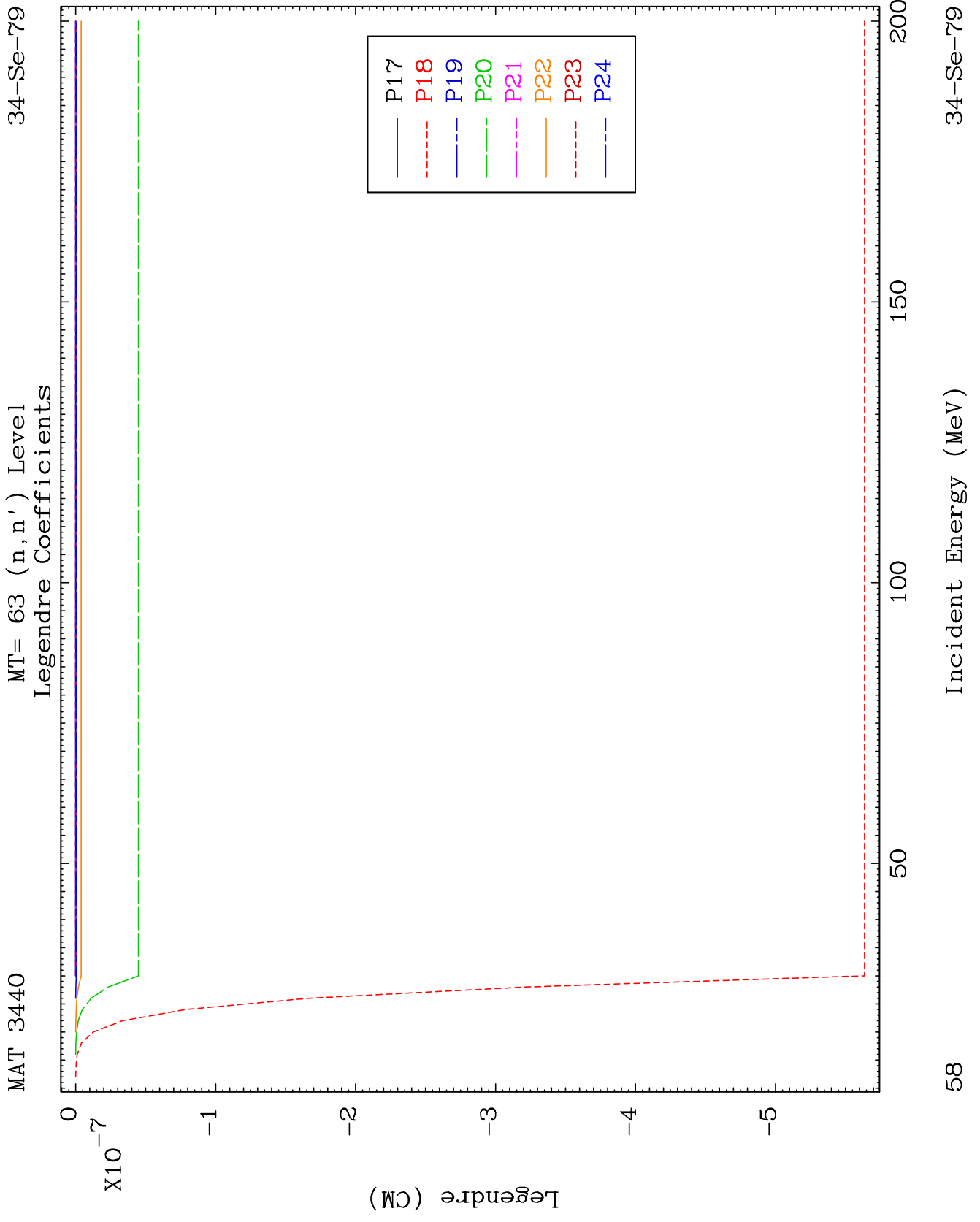


MAT 3440

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

34-Se-79

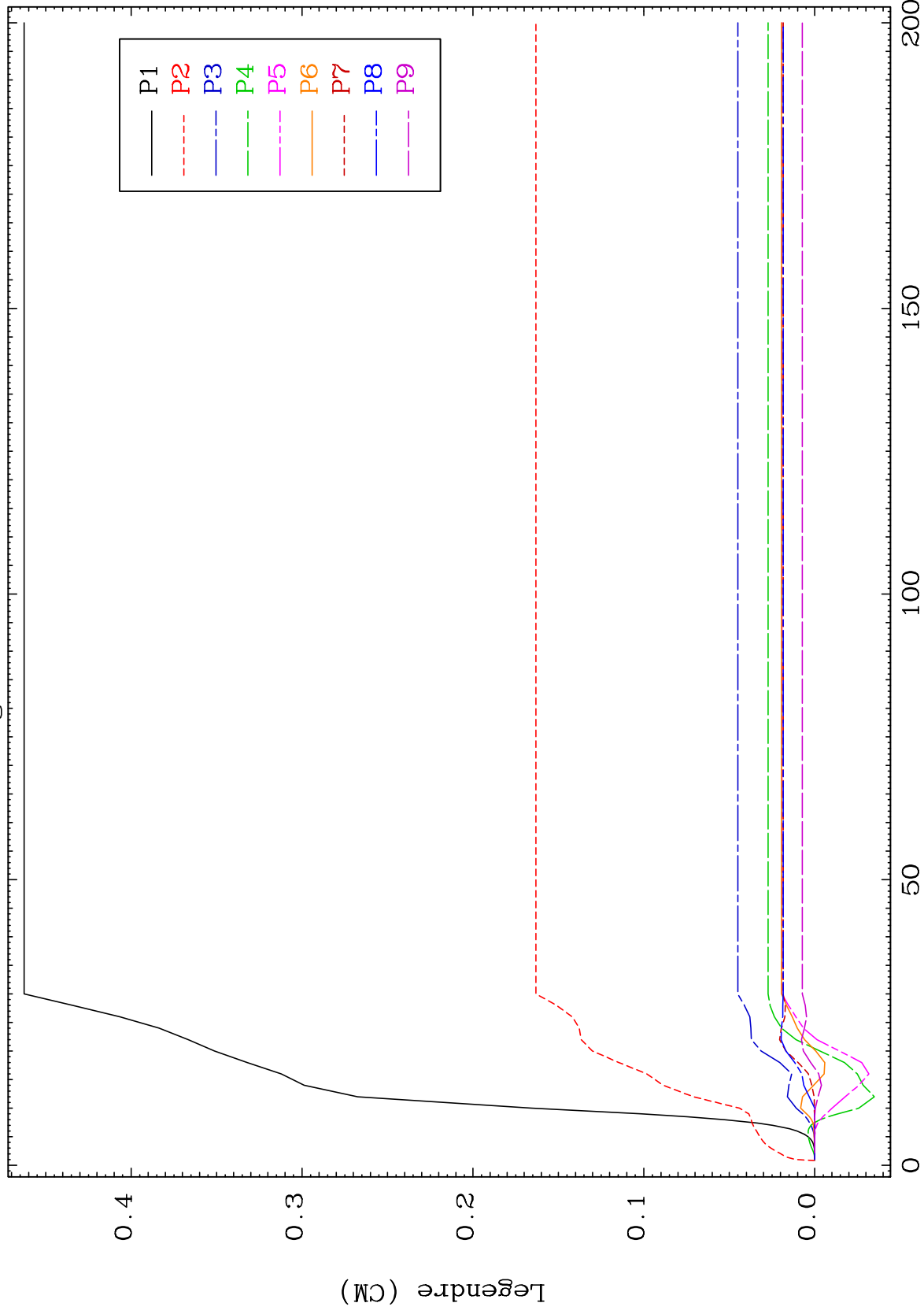




MAT 3440

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

³⁴Se-79



59

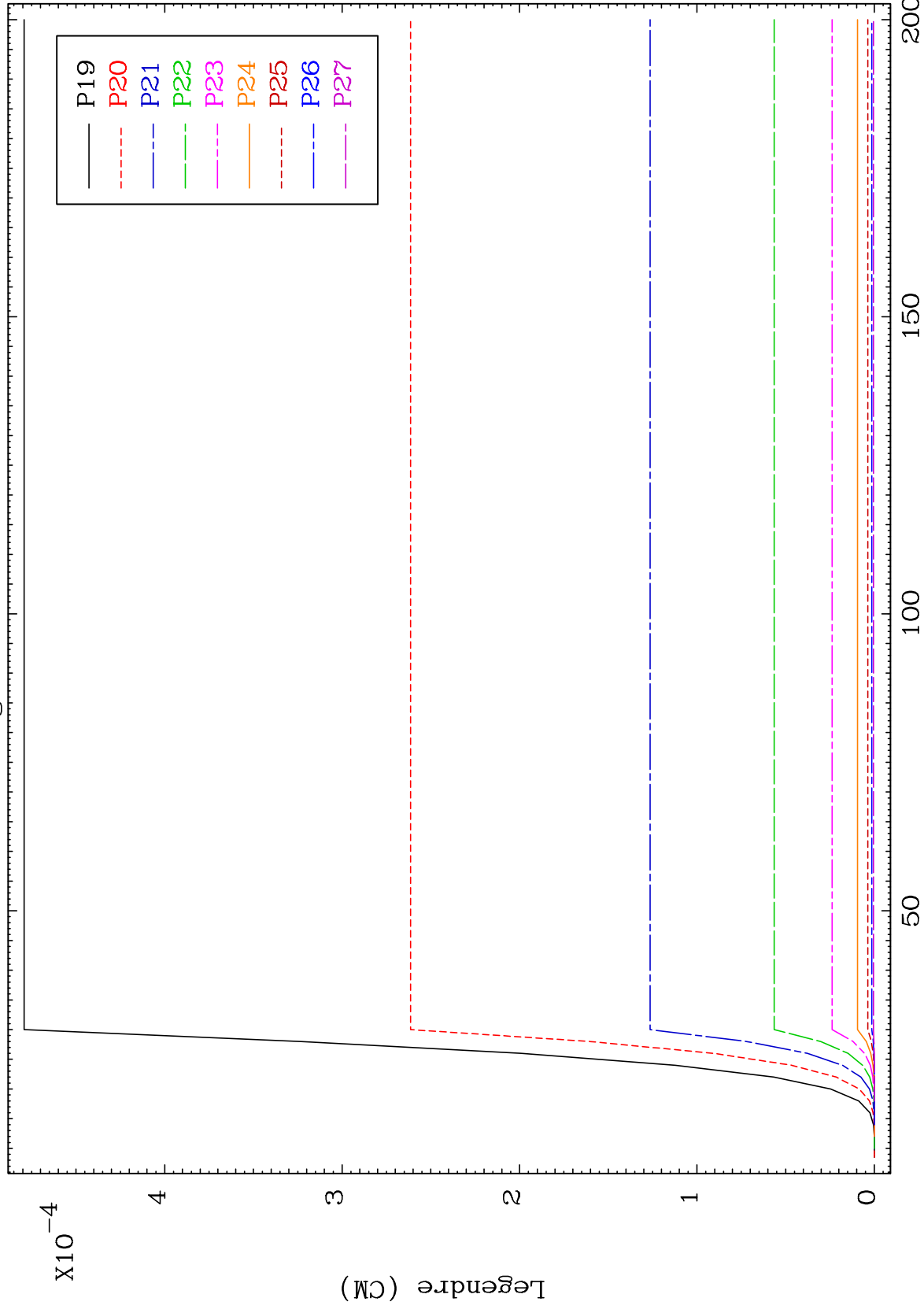
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

34-Se-79



61

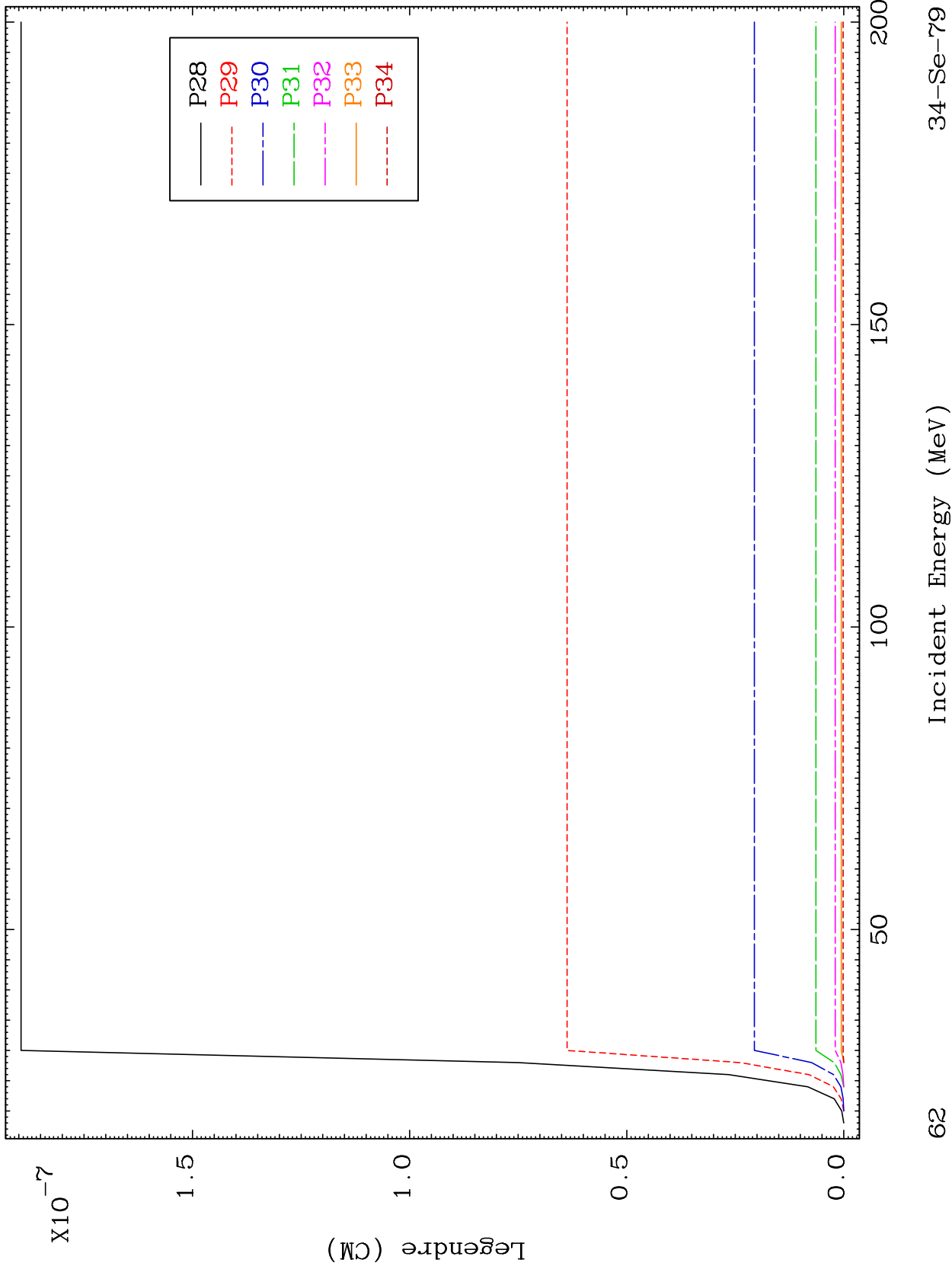
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



62

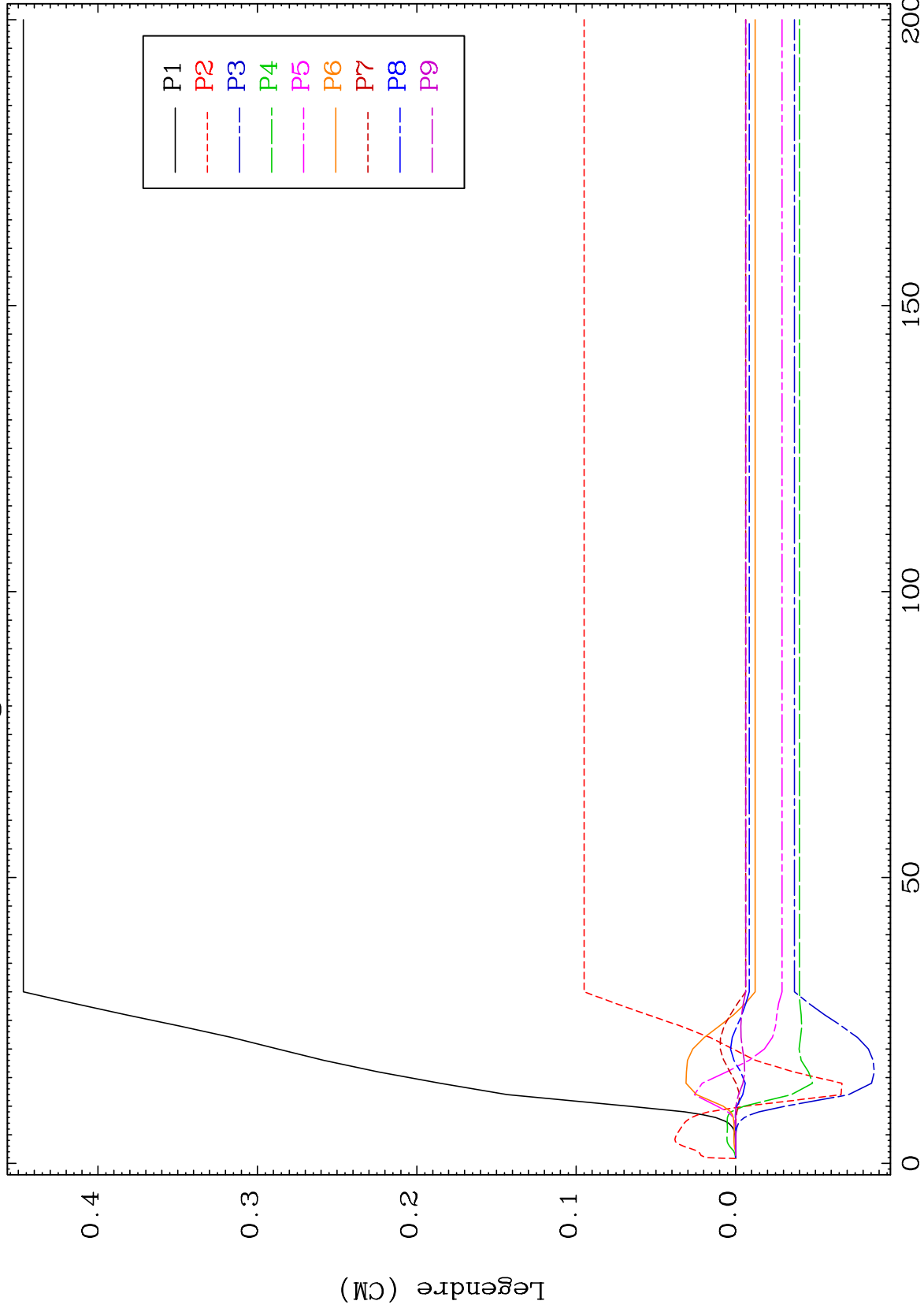
Incident Energy (MeV)

34-Se-79

MAT 3440

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

³⁴Se-79



³⁴Se-79

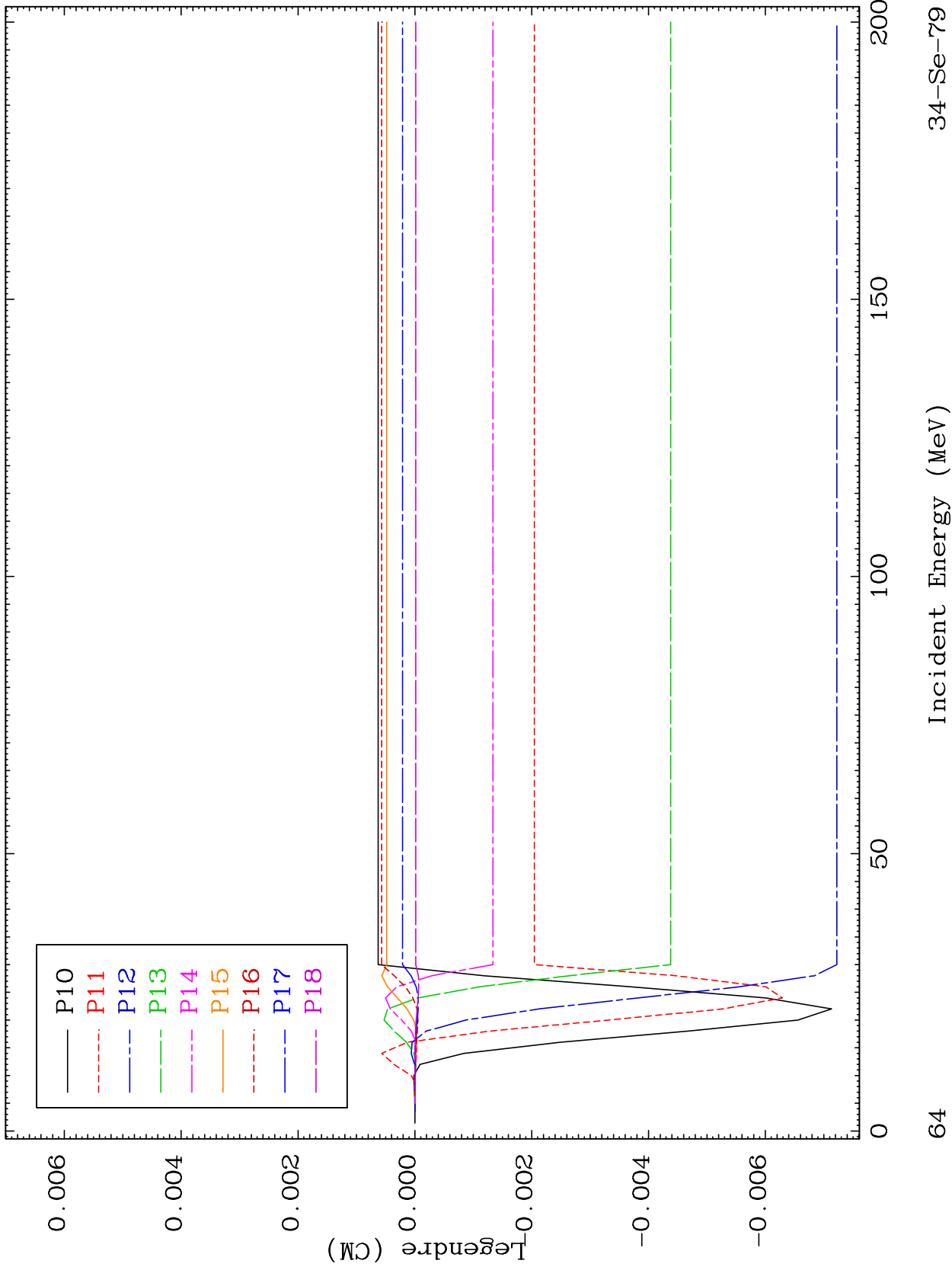
Incident Energy (MeV)

63

MAT 3440

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

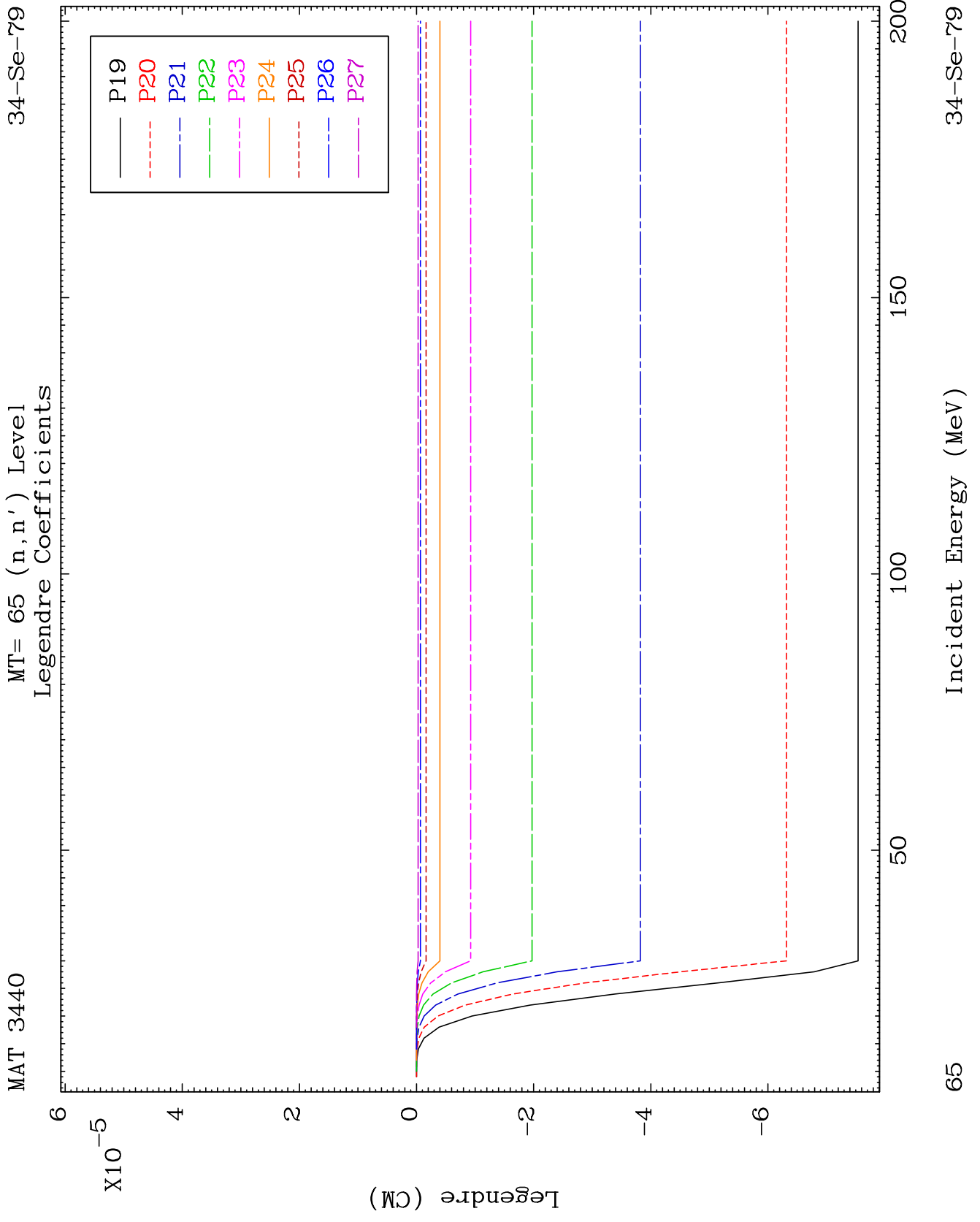
34-Se-79



64

Incident Energy (MeV)

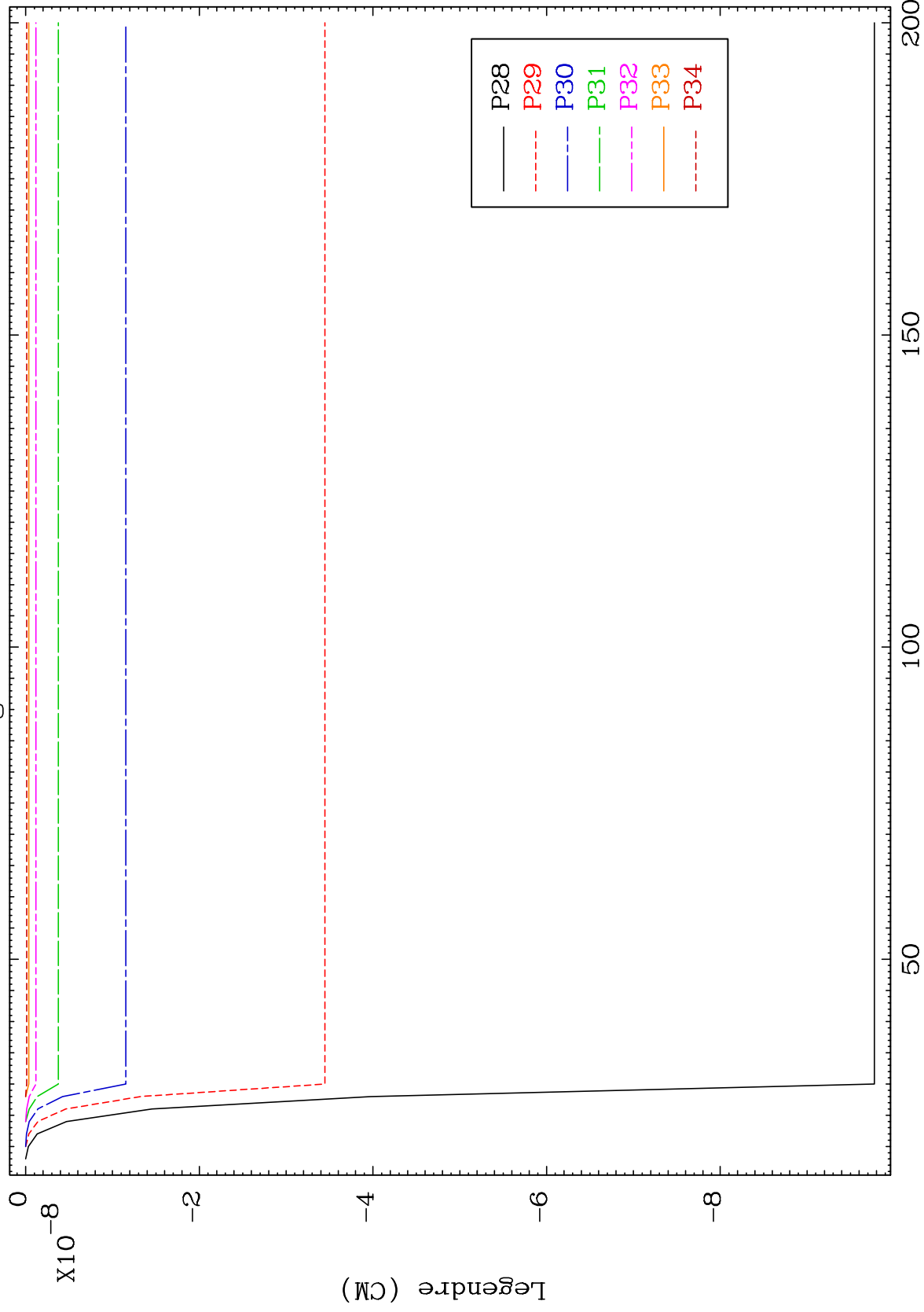
34-Se-79



MAT 3440

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

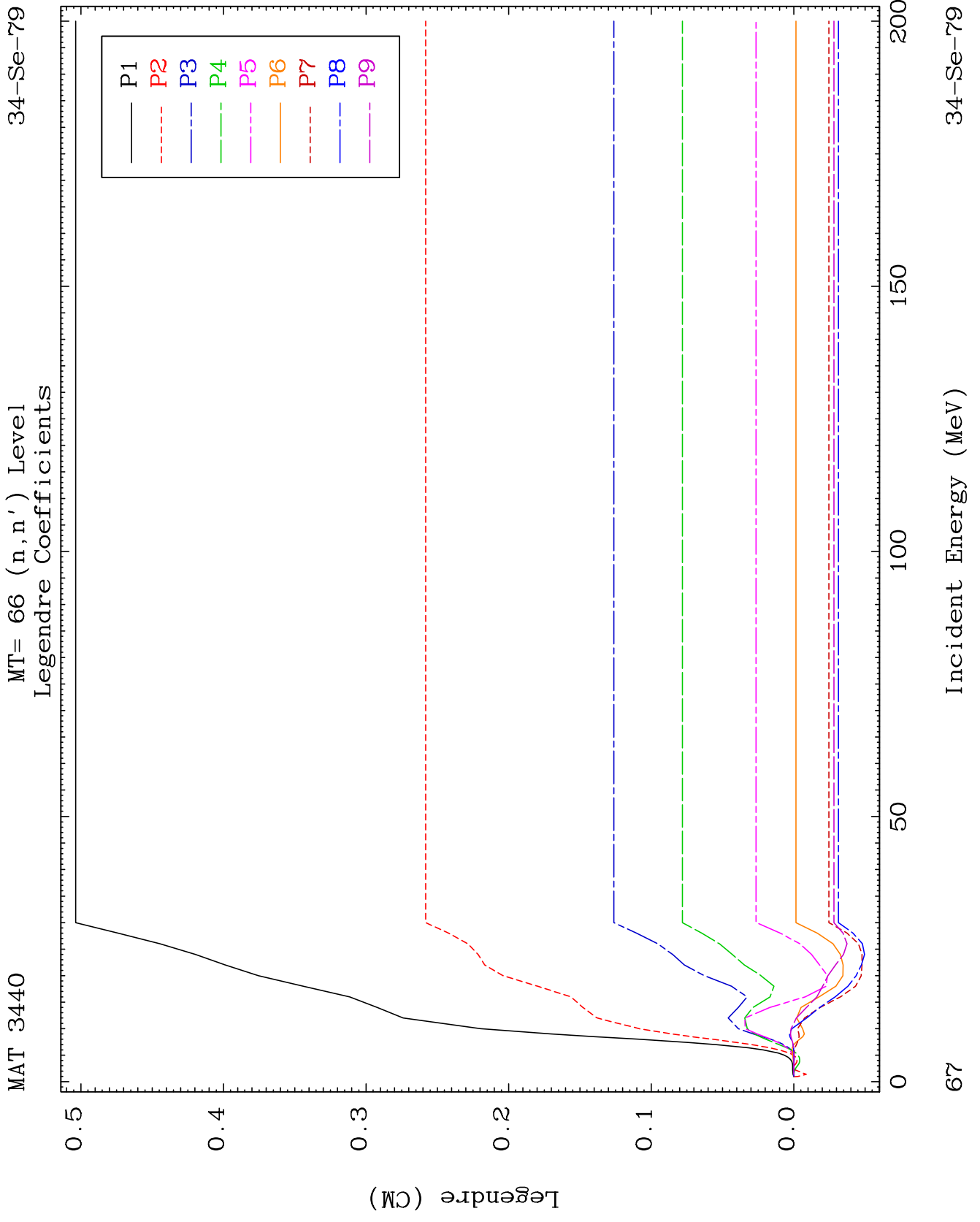
34-Se-79



66

Incident Energy (MeV)

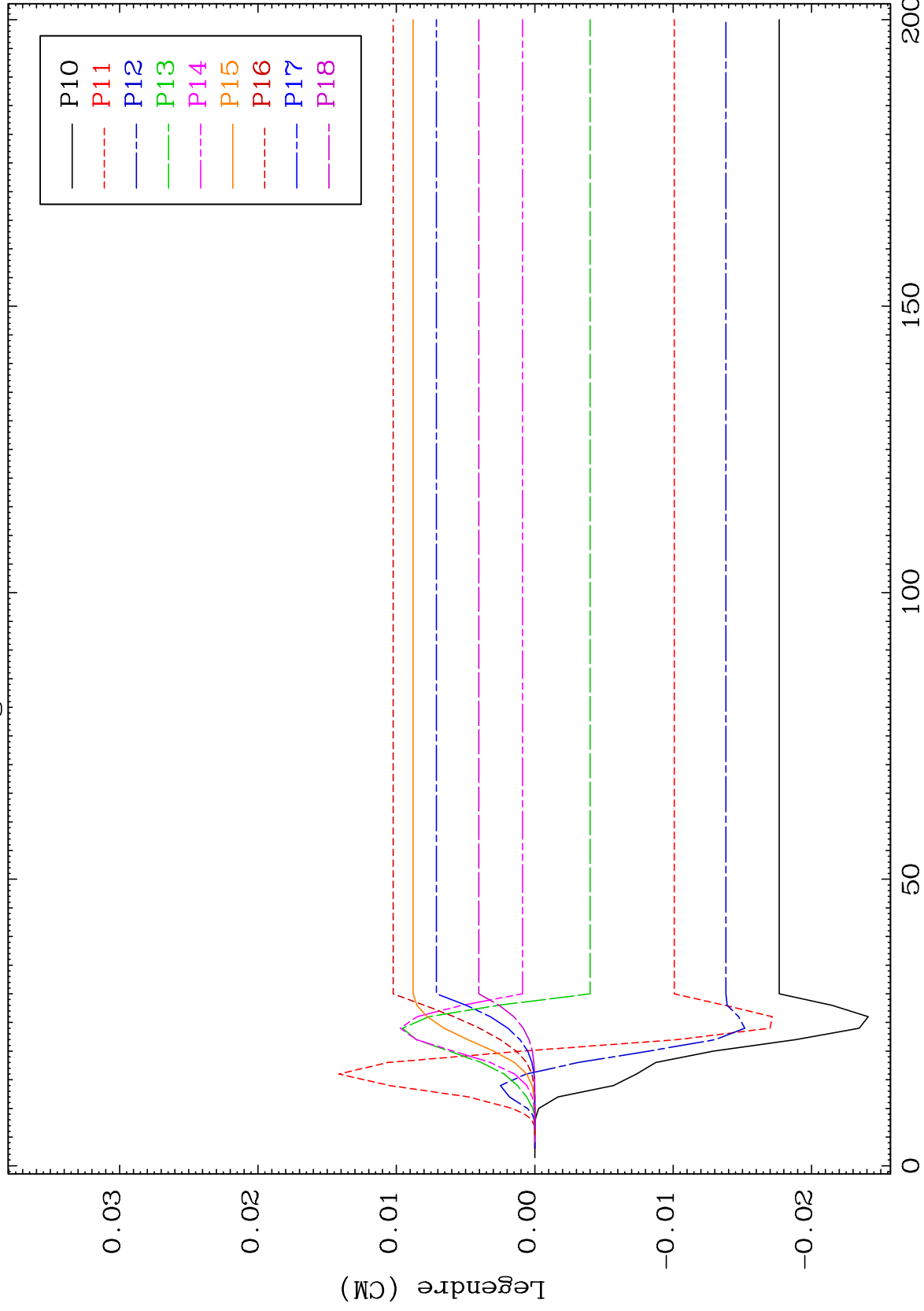
34-Se-79



MAT 3440

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

34-Se-79



68

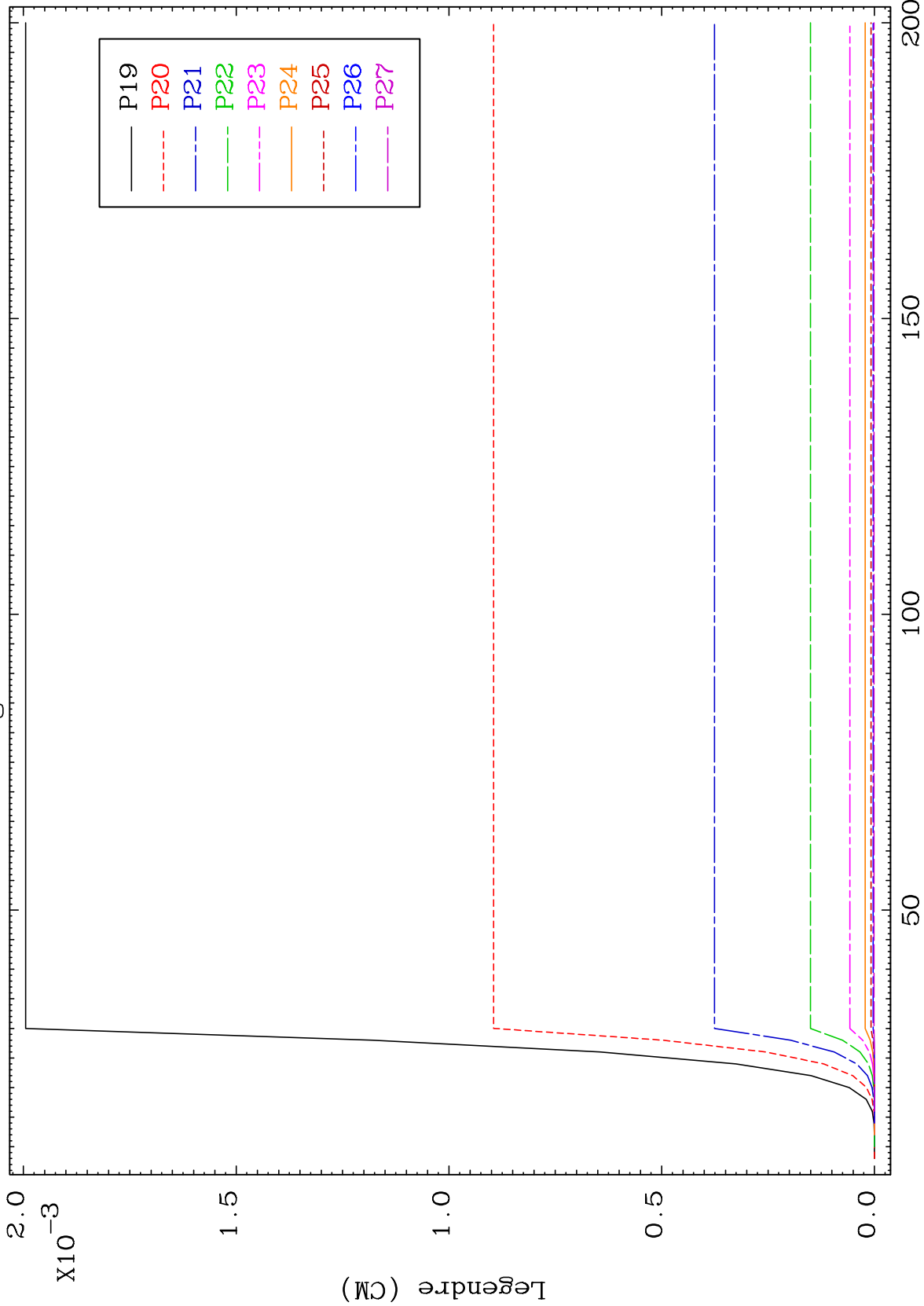
Incident Energy (MeV)

34-Se-79

MAT 3440

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

³⁴Se-79



69

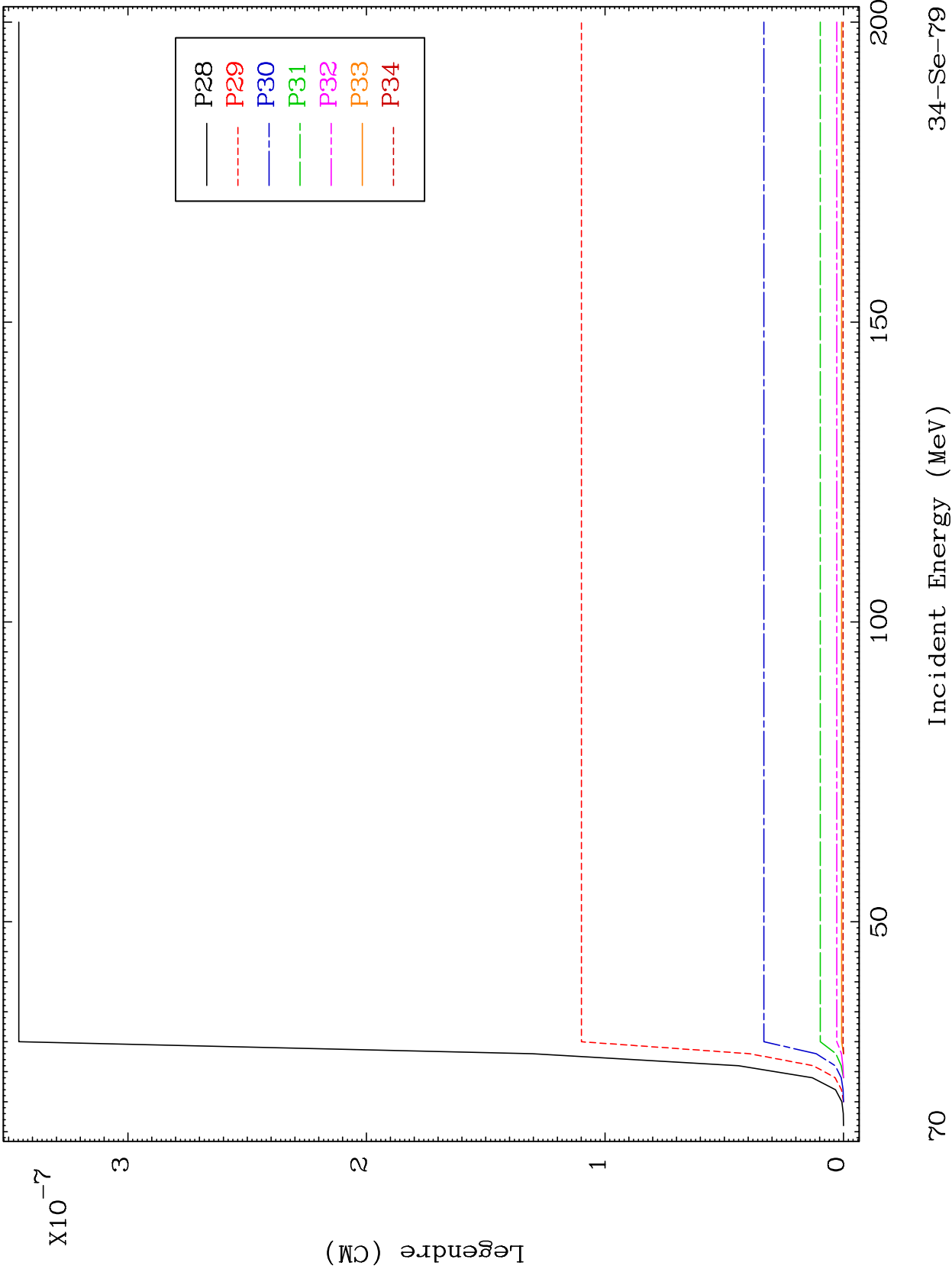
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

34-Se-79



70

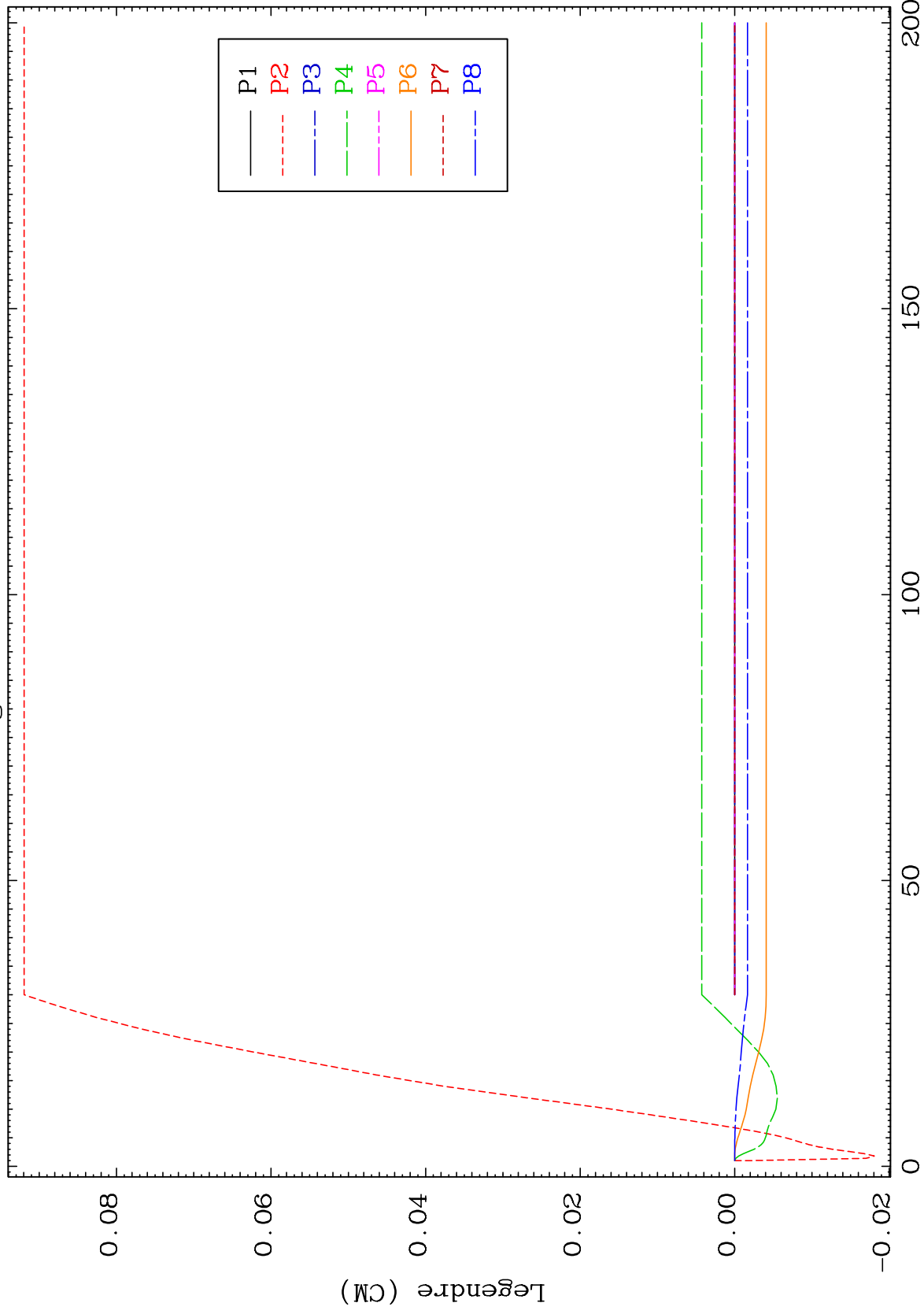
Incident Energy (MeV)

34-Se-79

MAT 3440

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

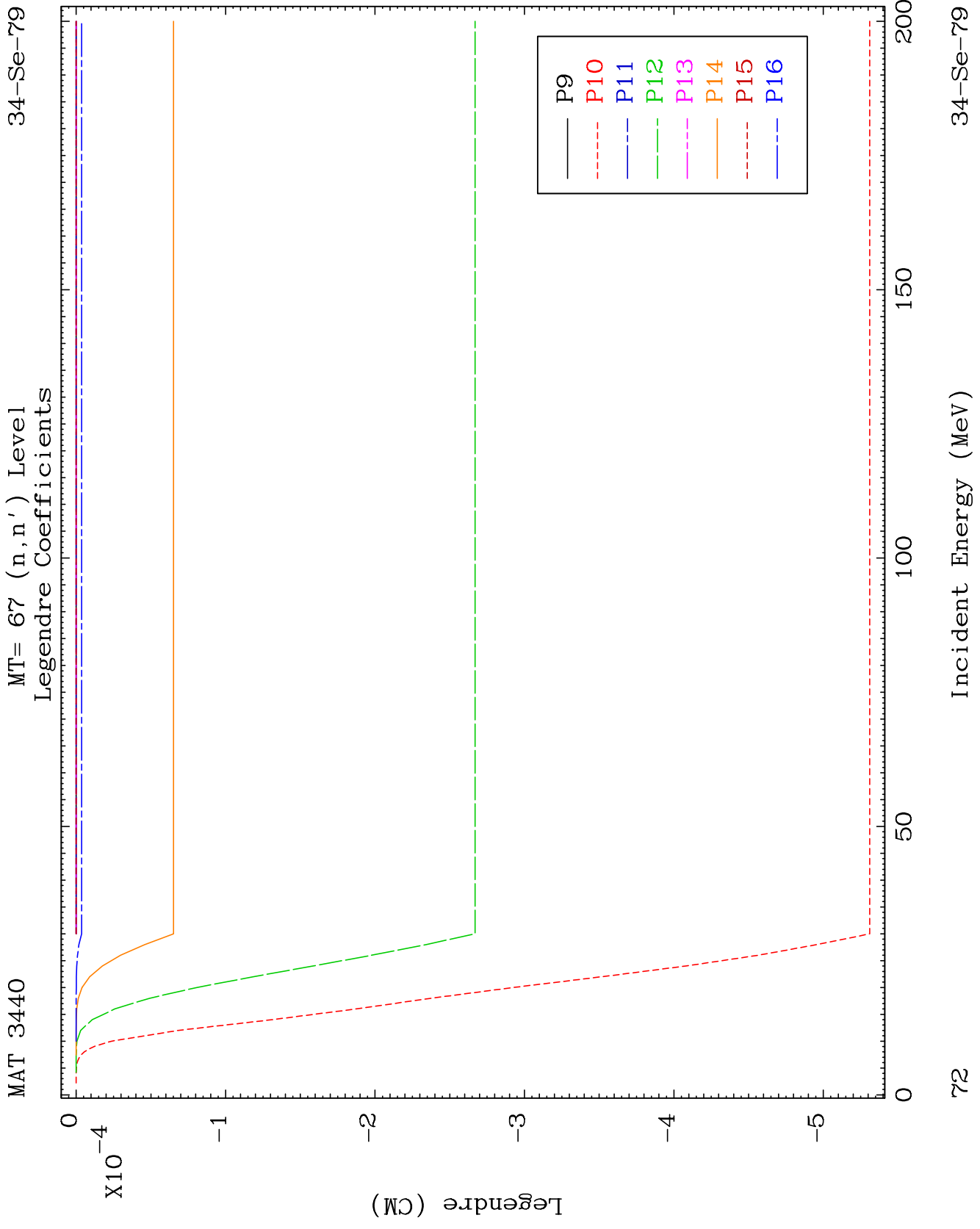
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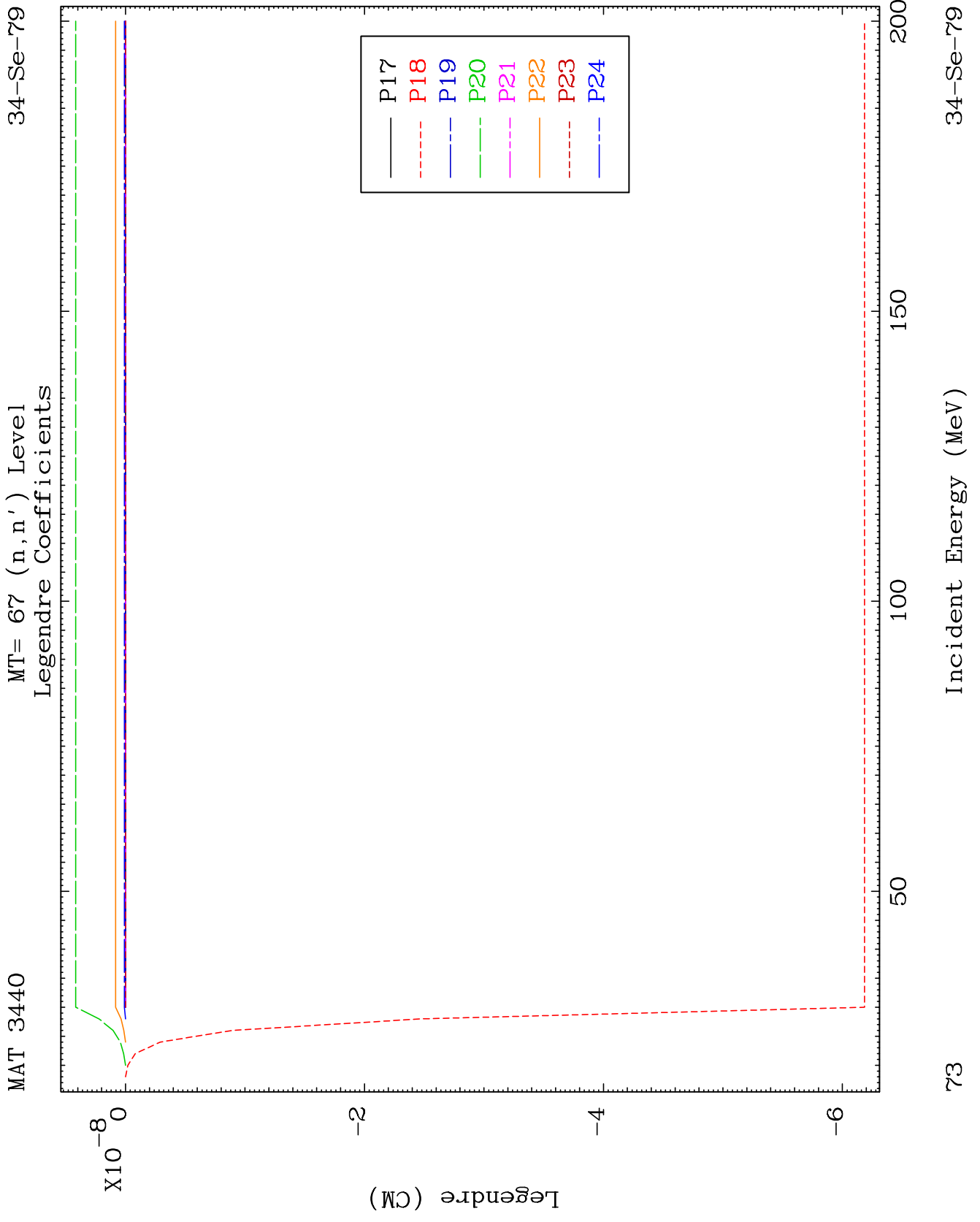


71

Incident Energy (MeV)

³⁴Se-79

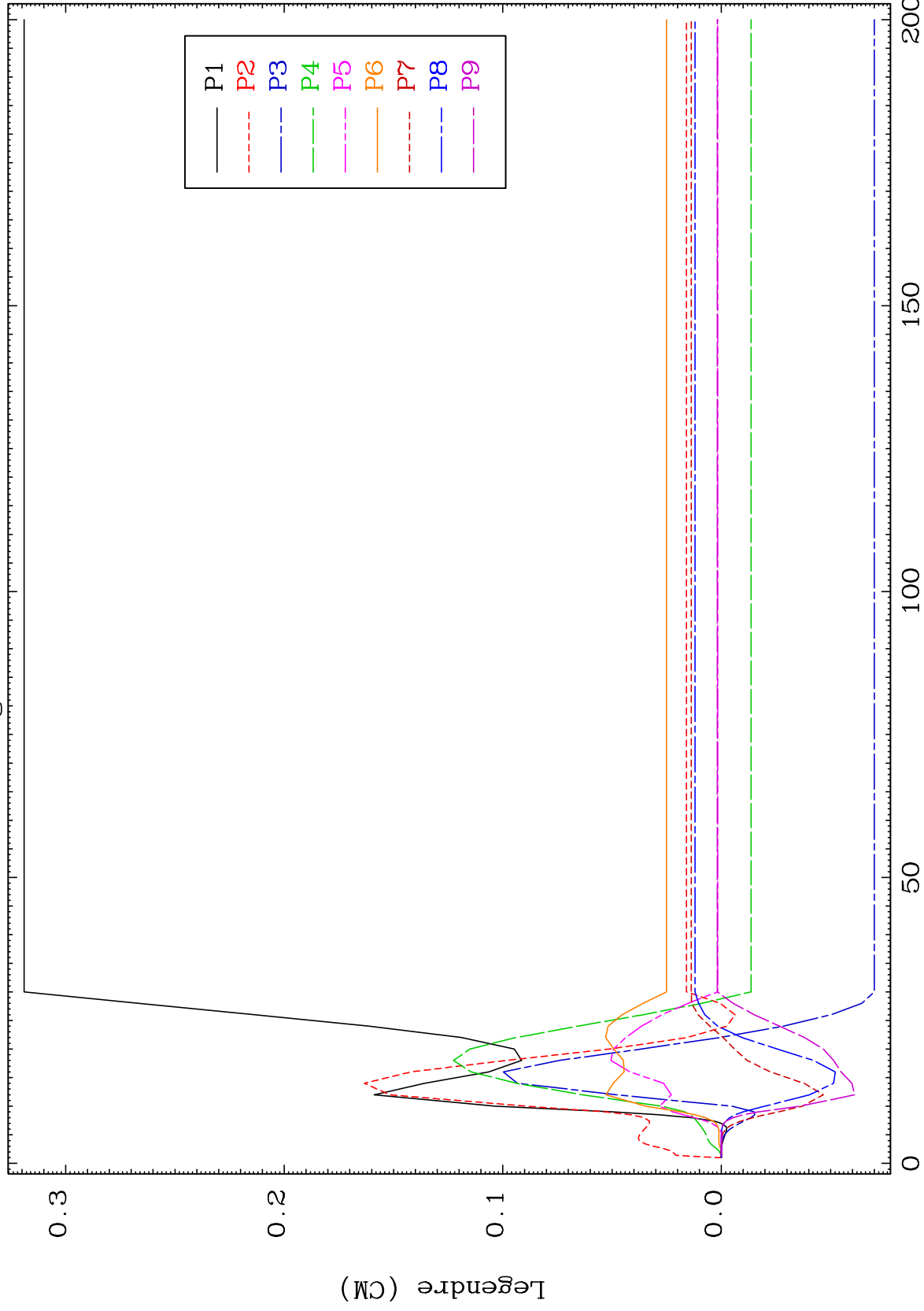




MAT 3440

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

³⁴Se-79



74

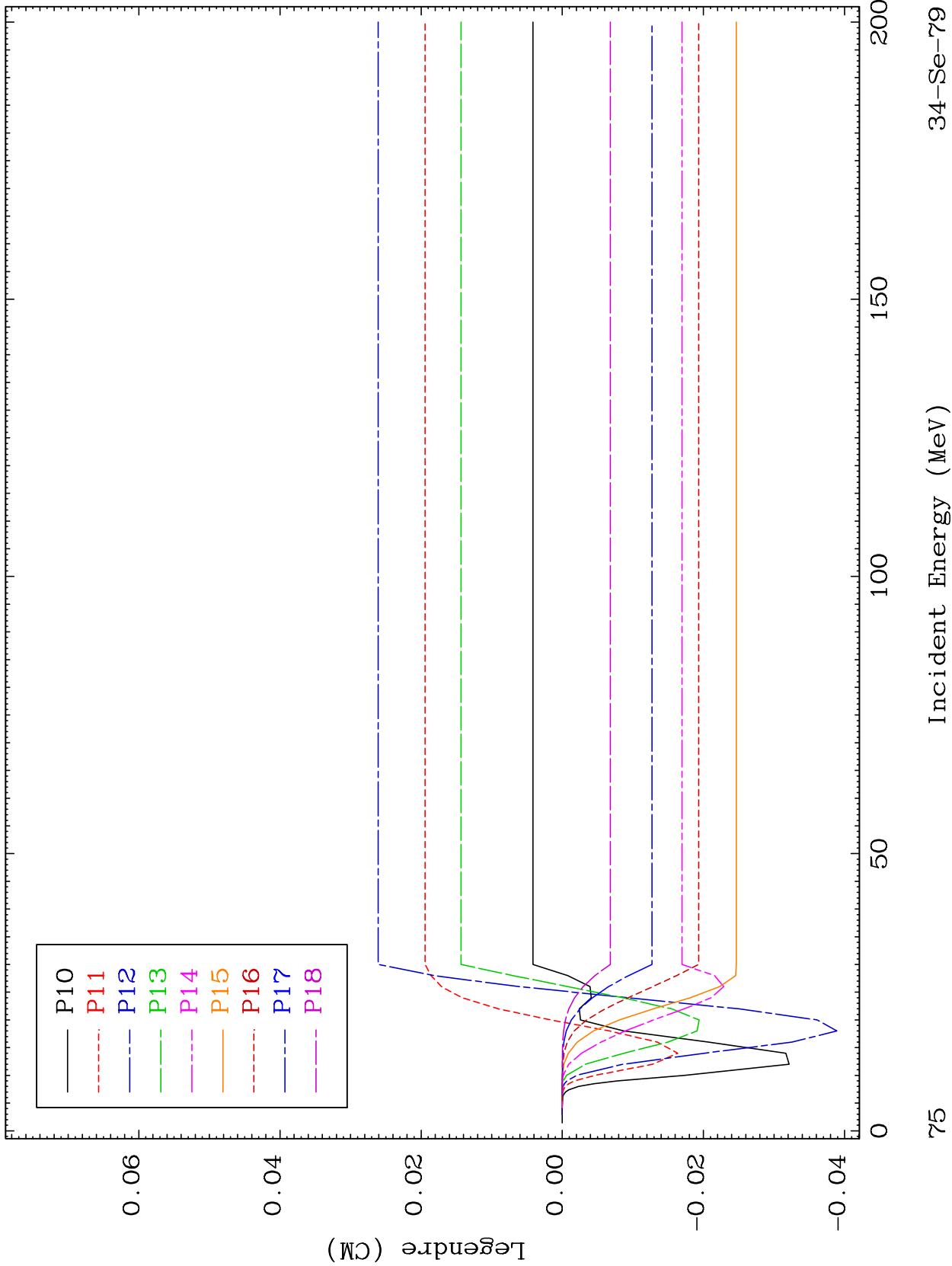
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

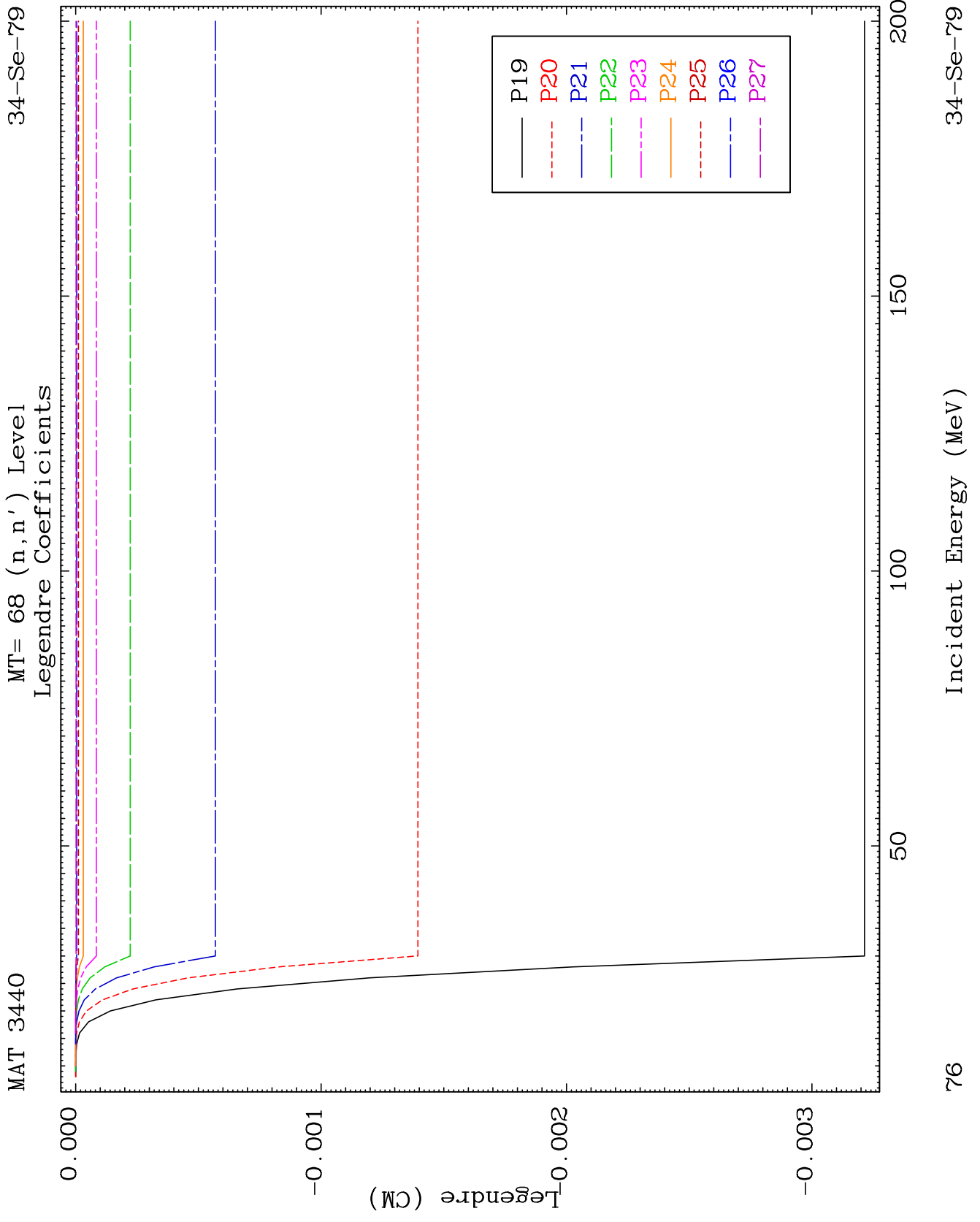
³⁴Se-79

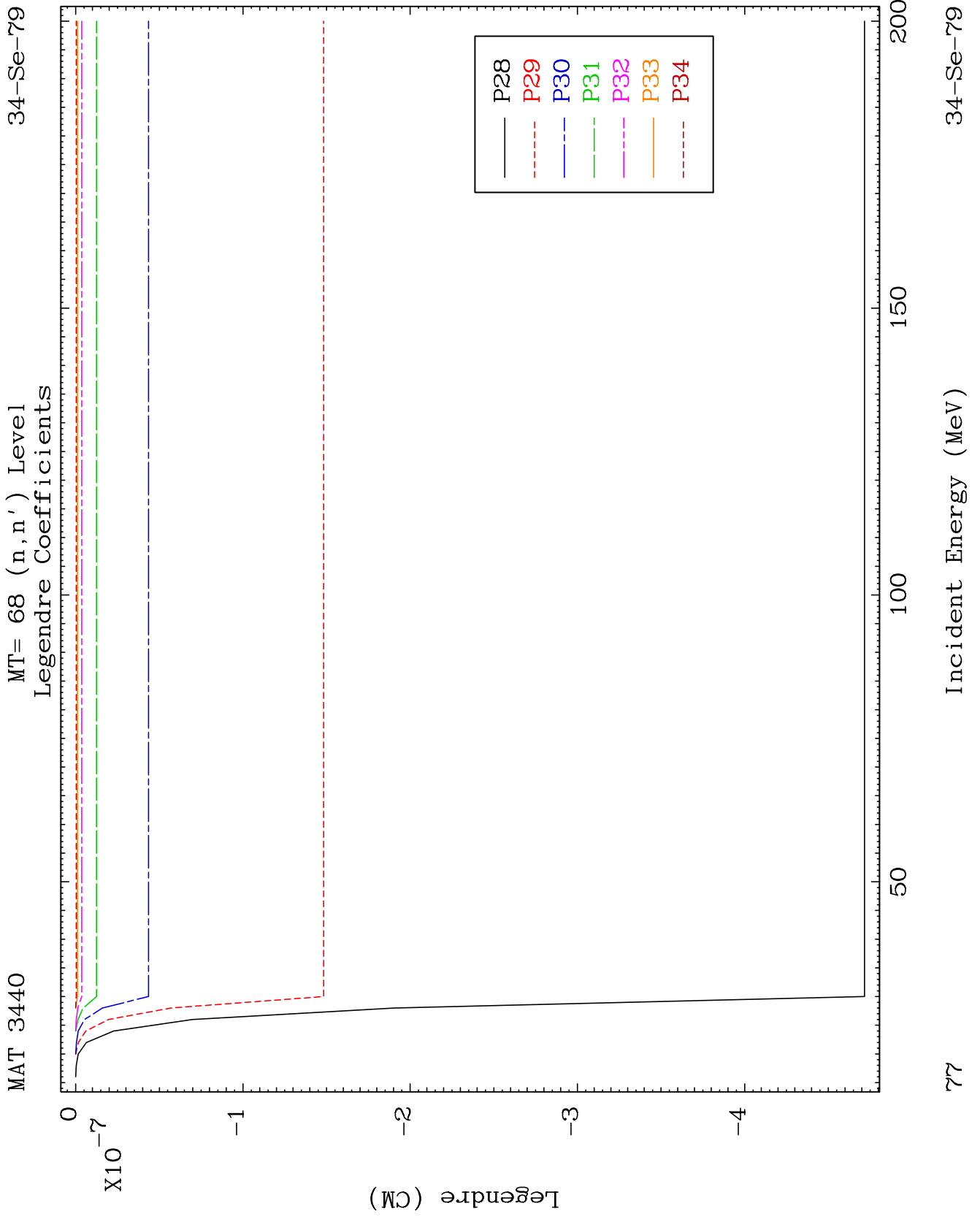


75

Incident Energy (MeV)

³⁴Se-79

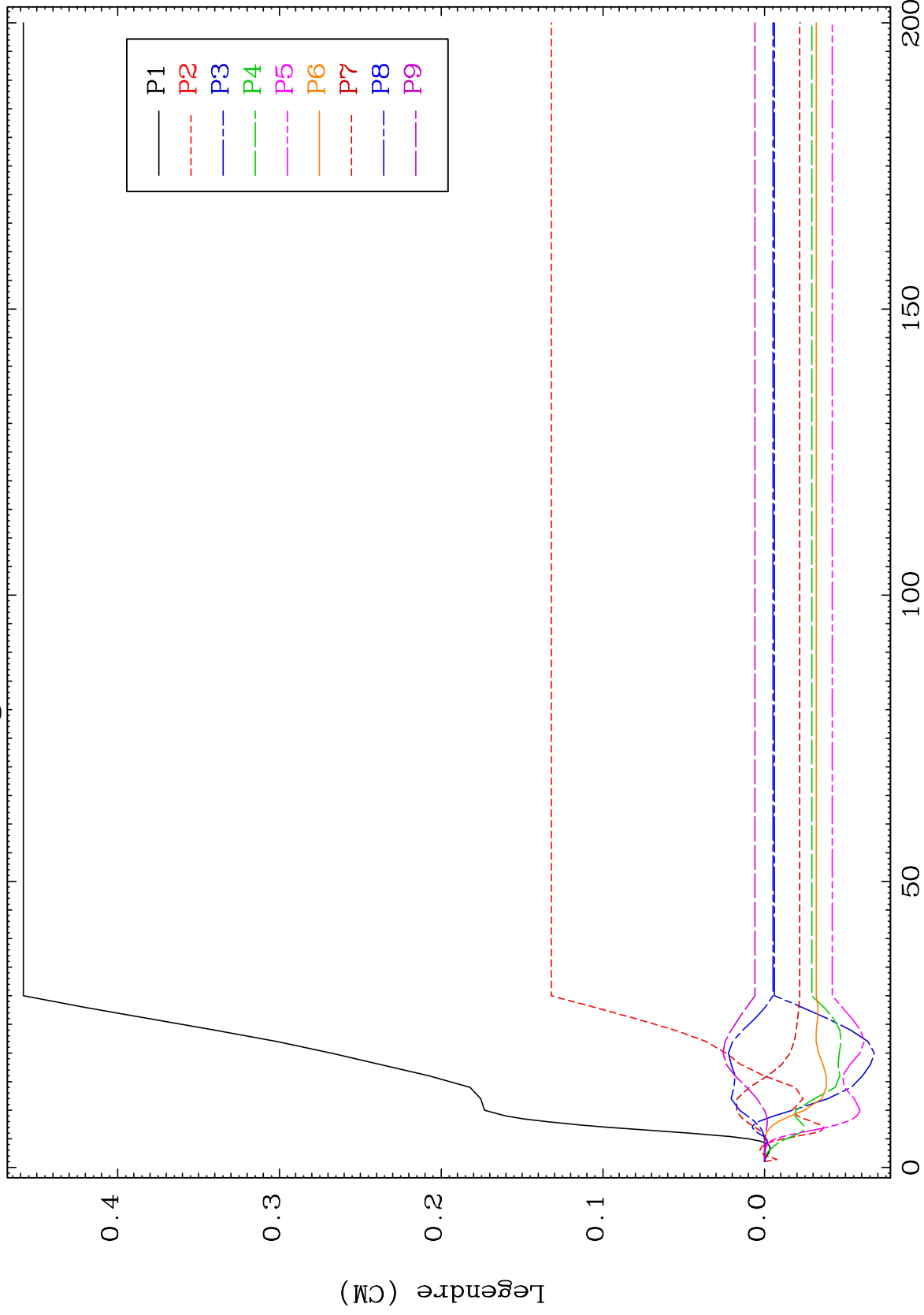




MAT 3440

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

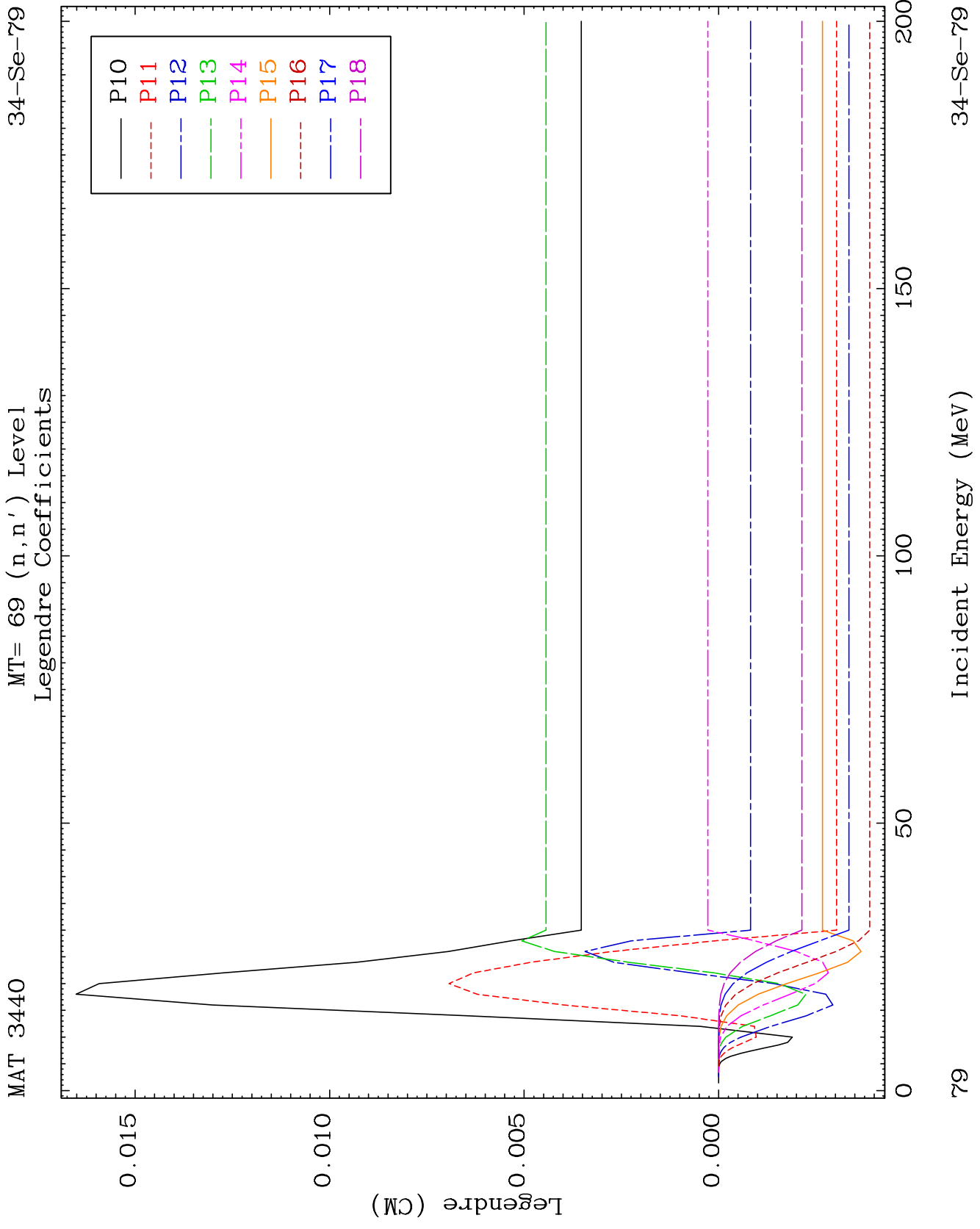
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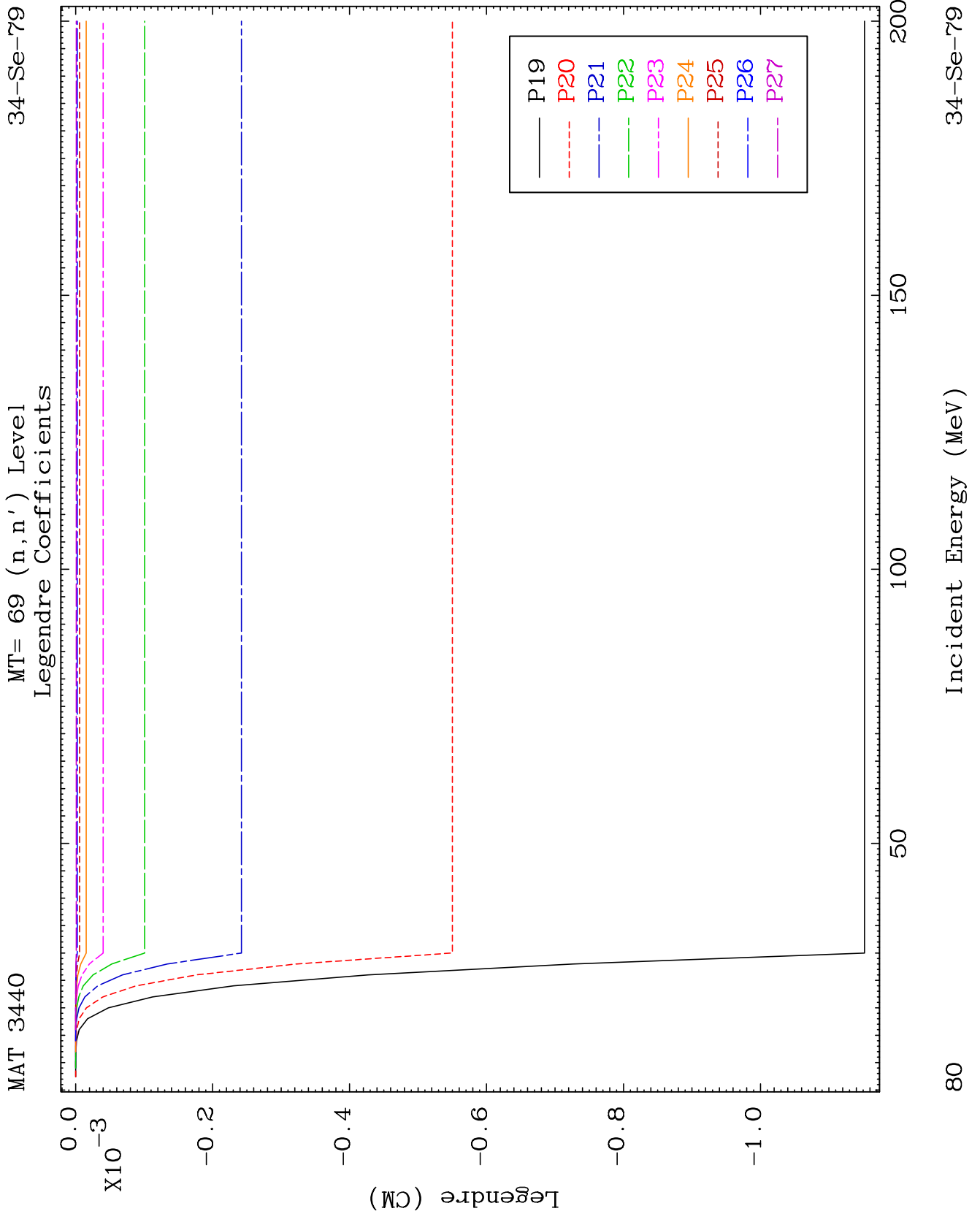


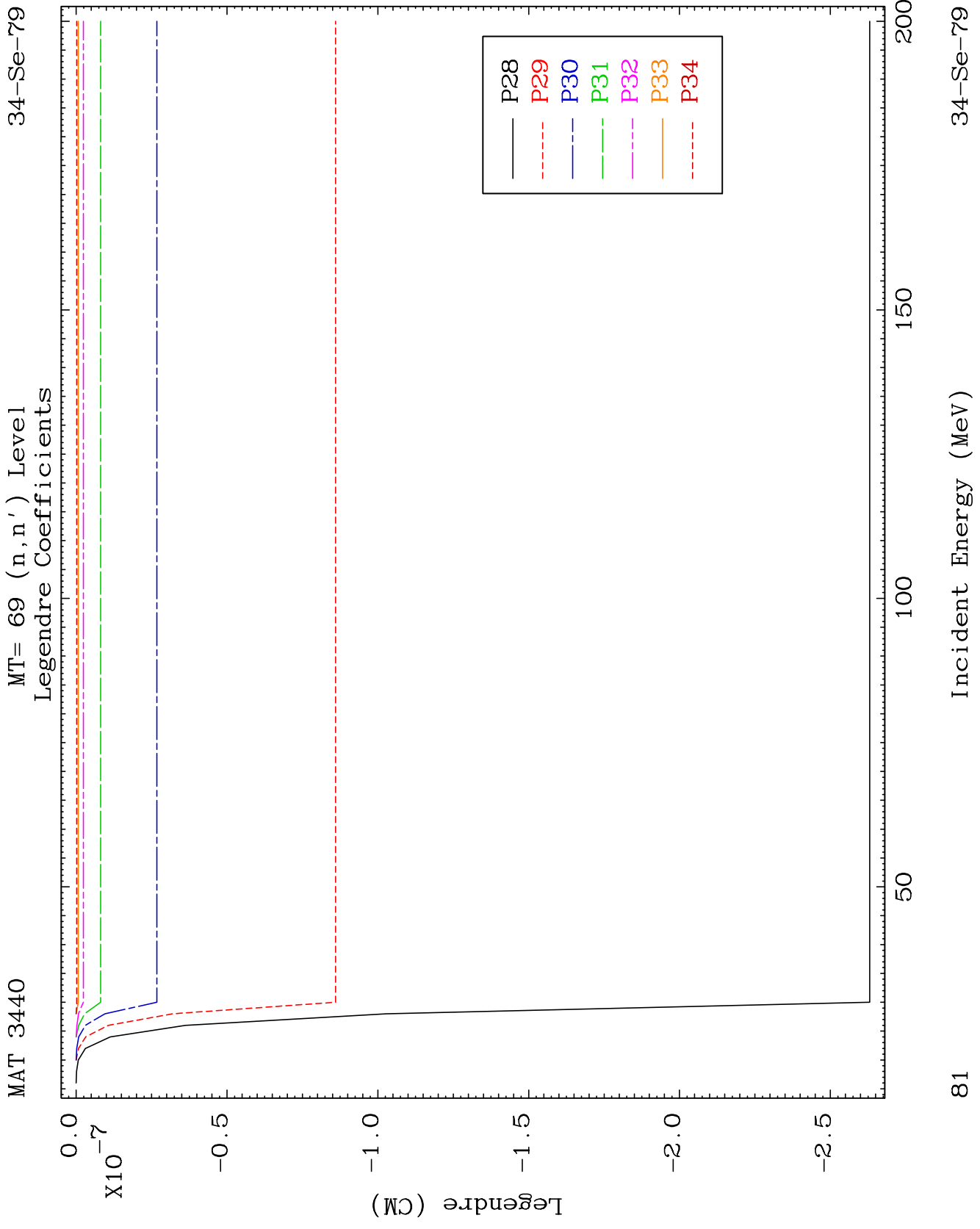
78

Incident Energy (MeV)

³⁴Se-79



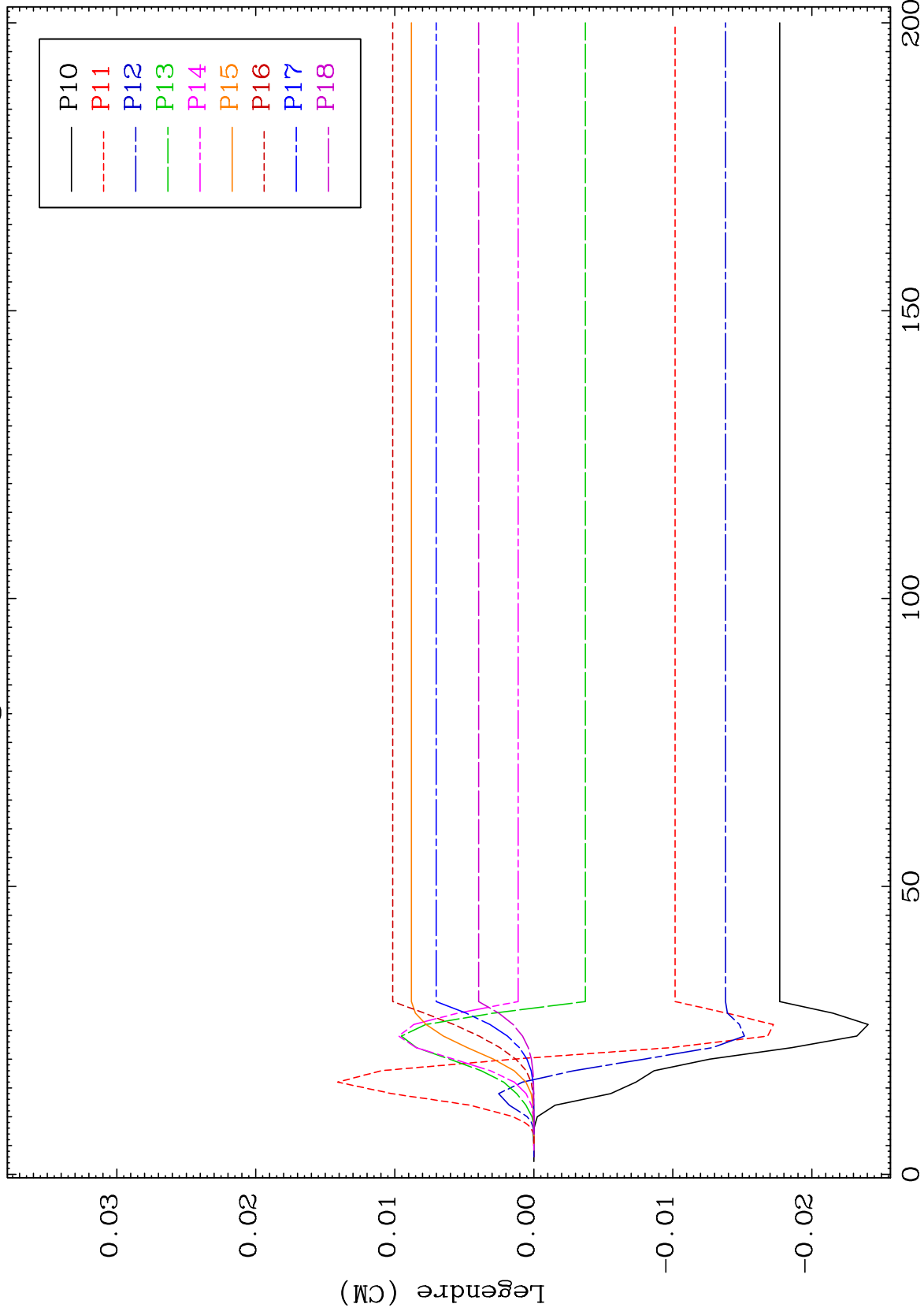




MAT 3440

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

34-Se-79



83

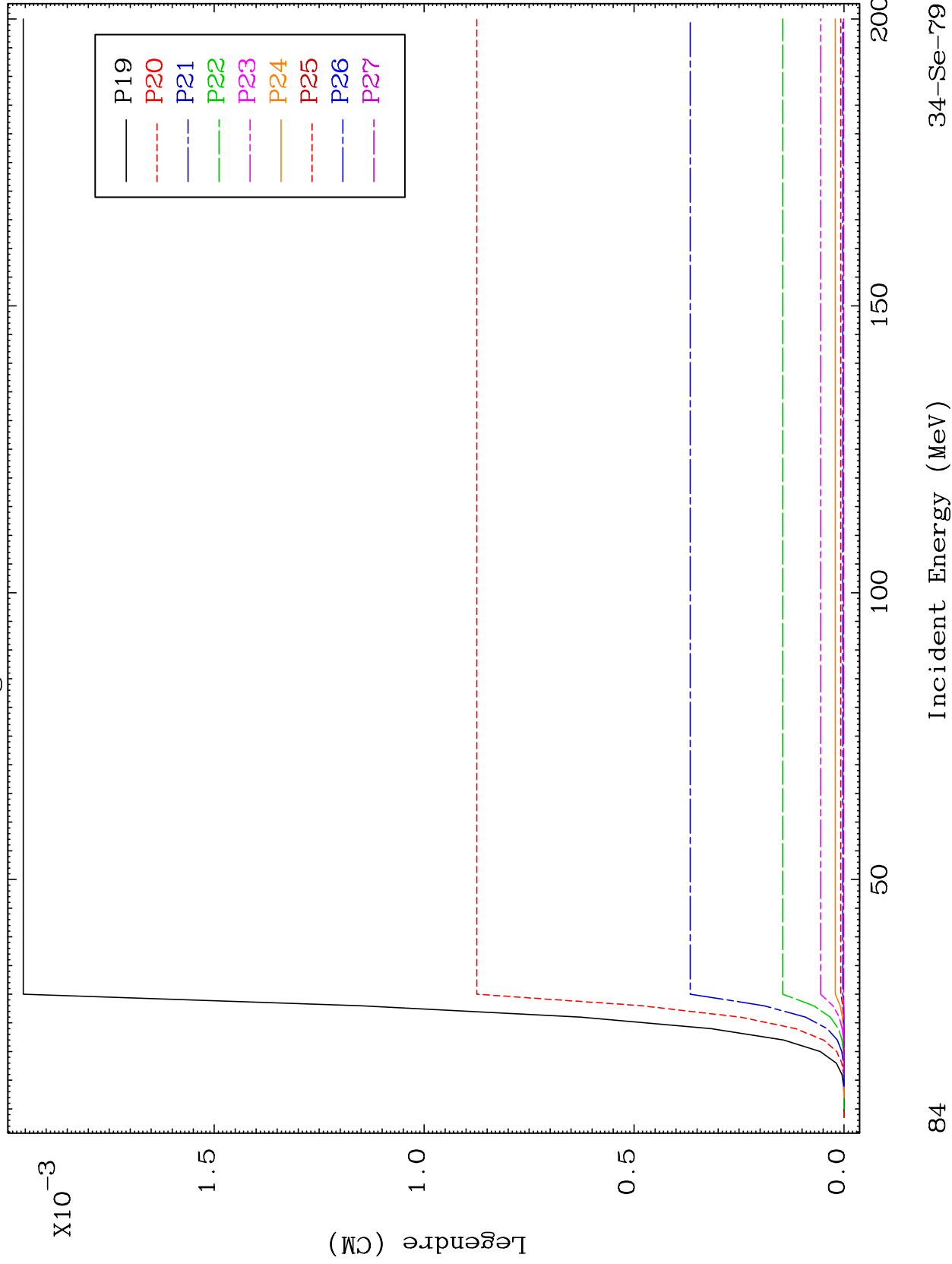
Incident Energy (MeV)

34-Se-79

MAT 3440

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

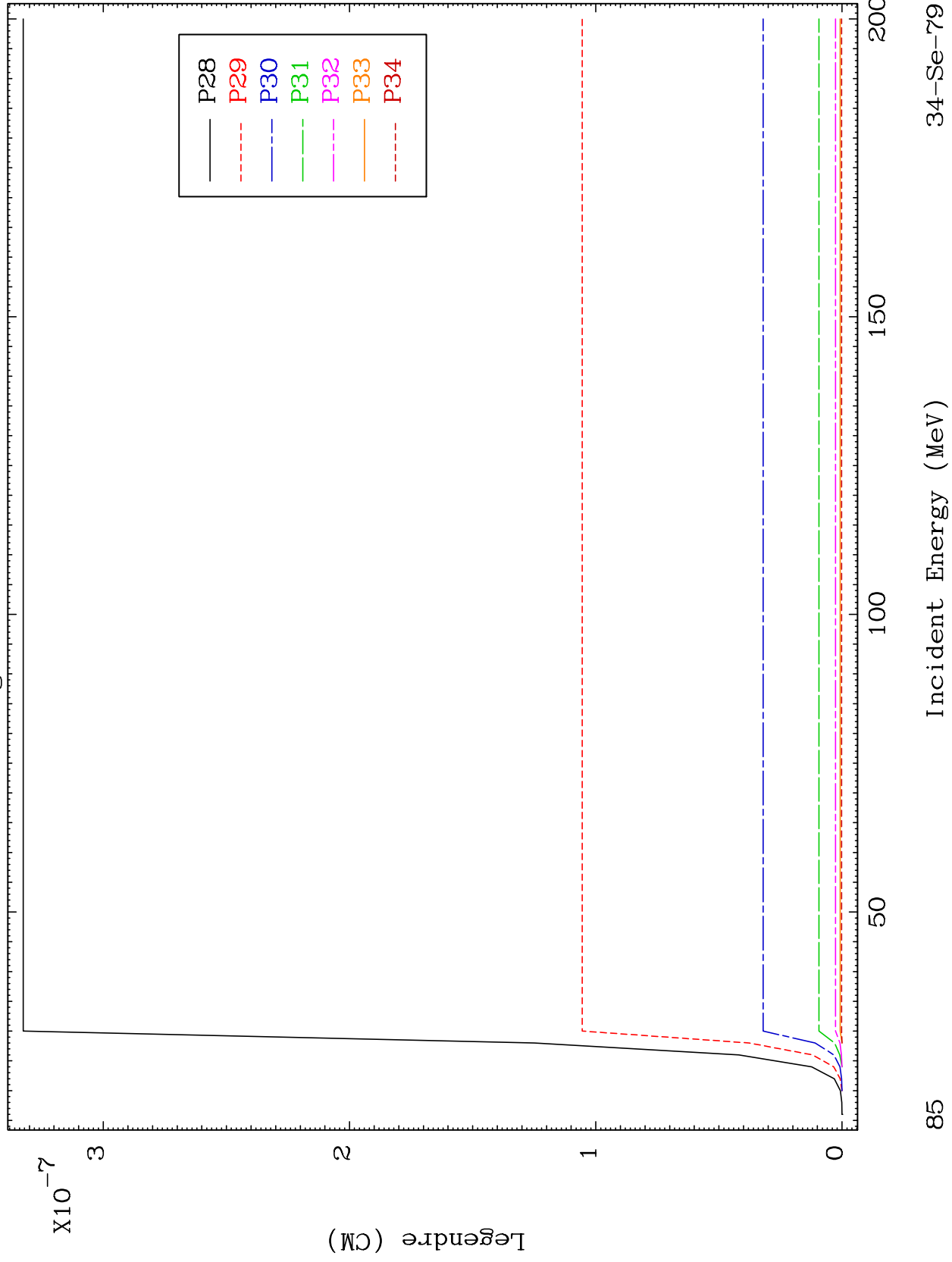
³⁴Se-79



MAT 3440

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

34-Se-79



85

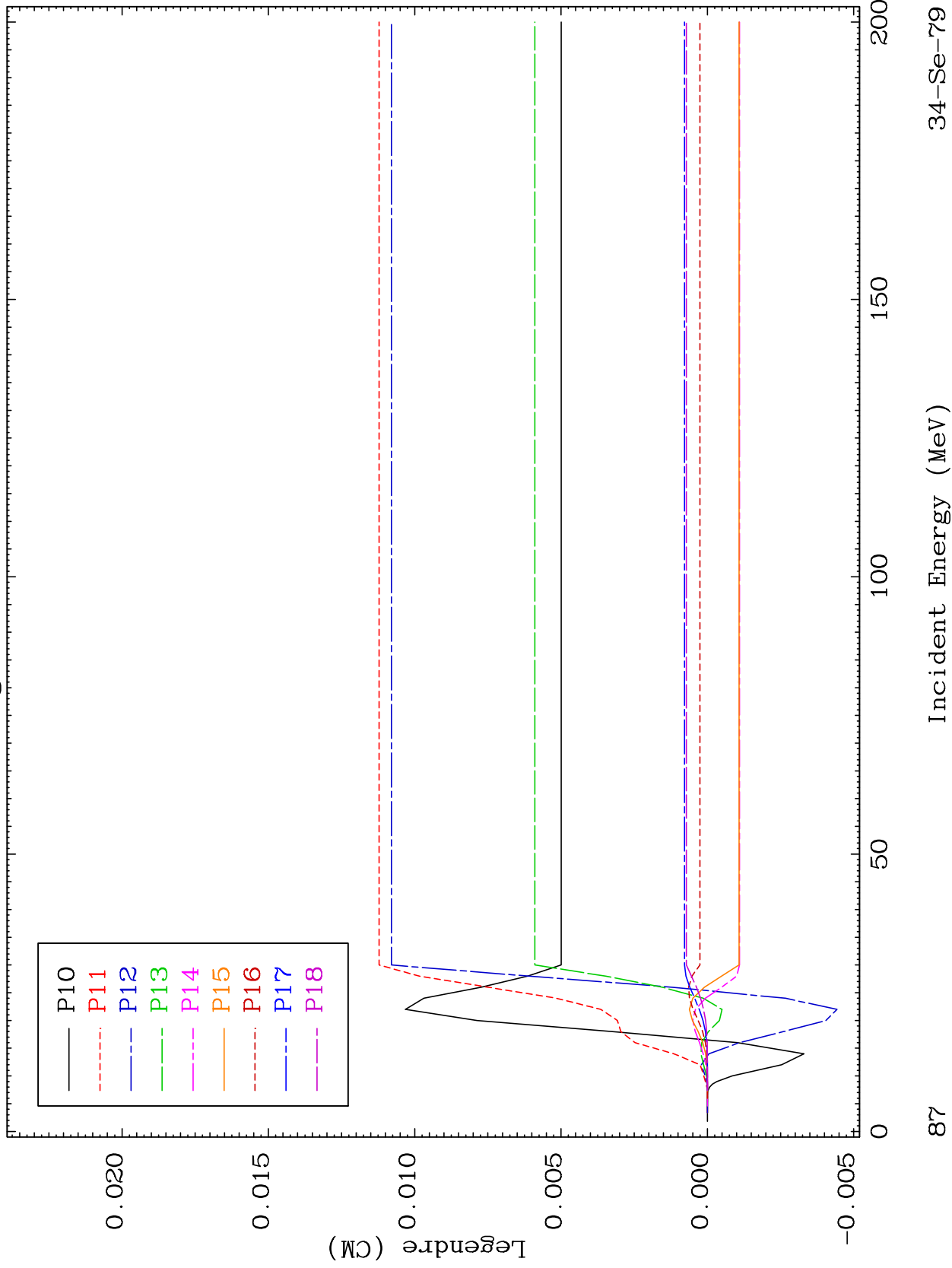
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



87

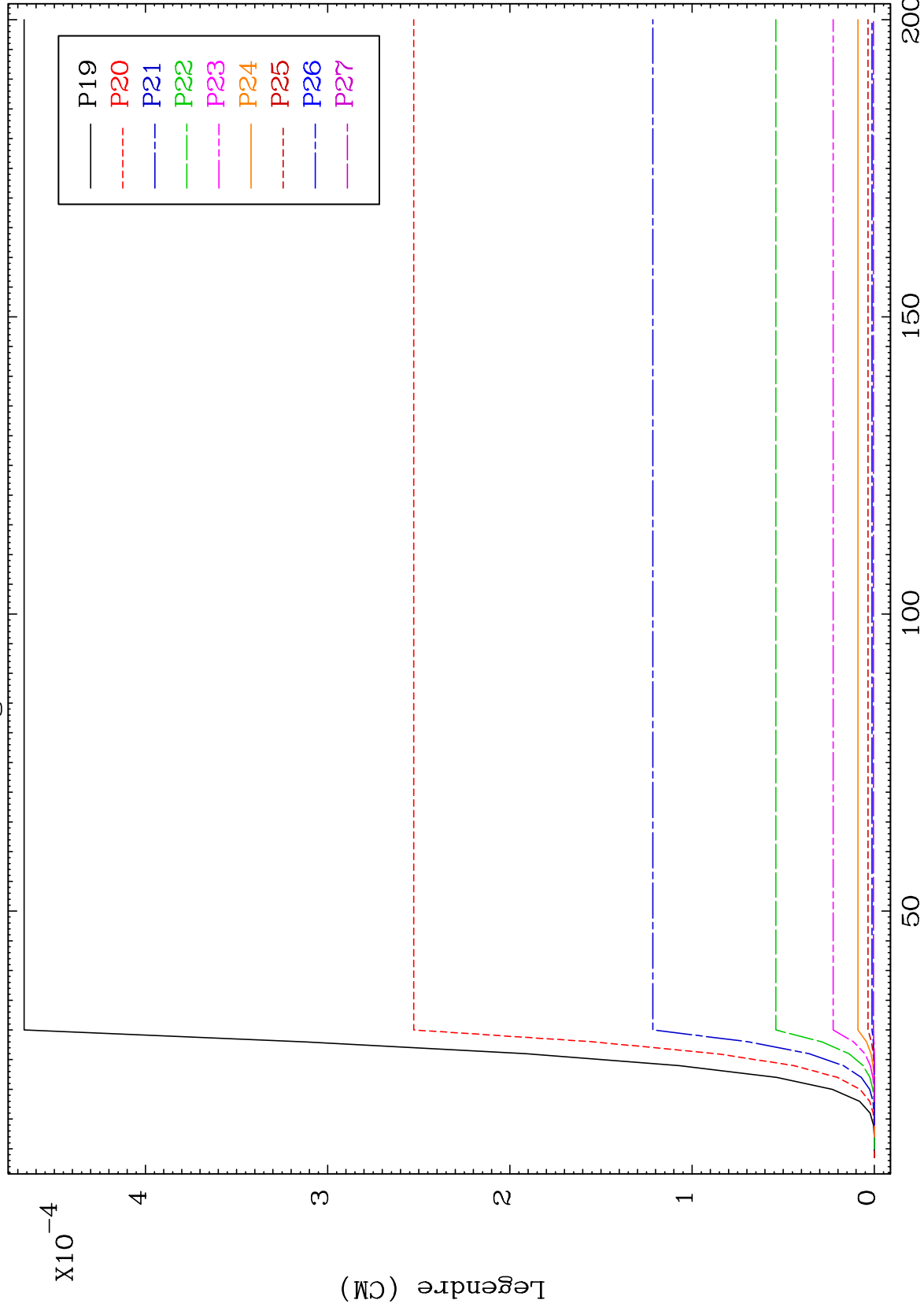
Incident Energy (MeV)

34-Se-79

MAT 3440

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

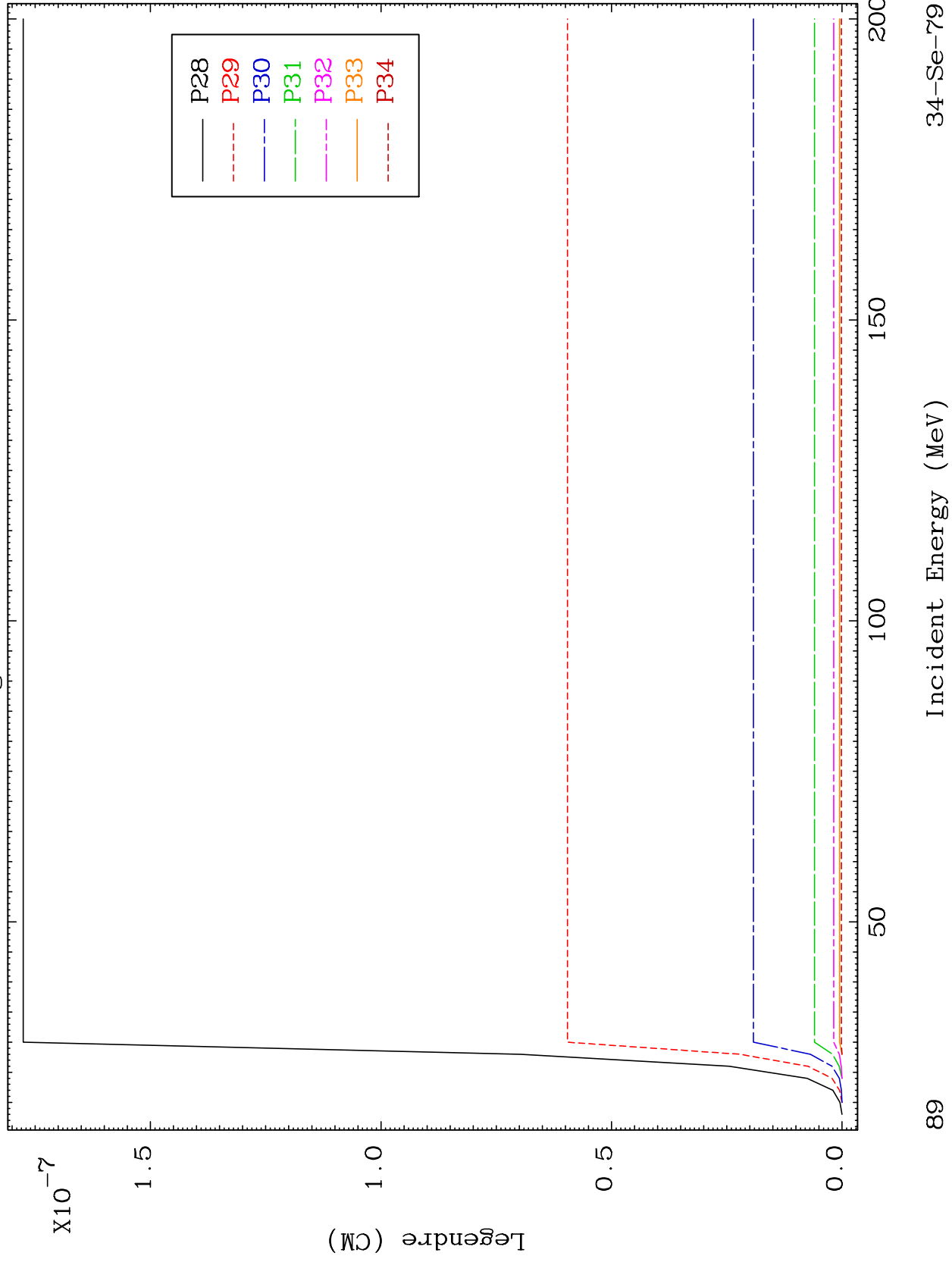
34-Se-79

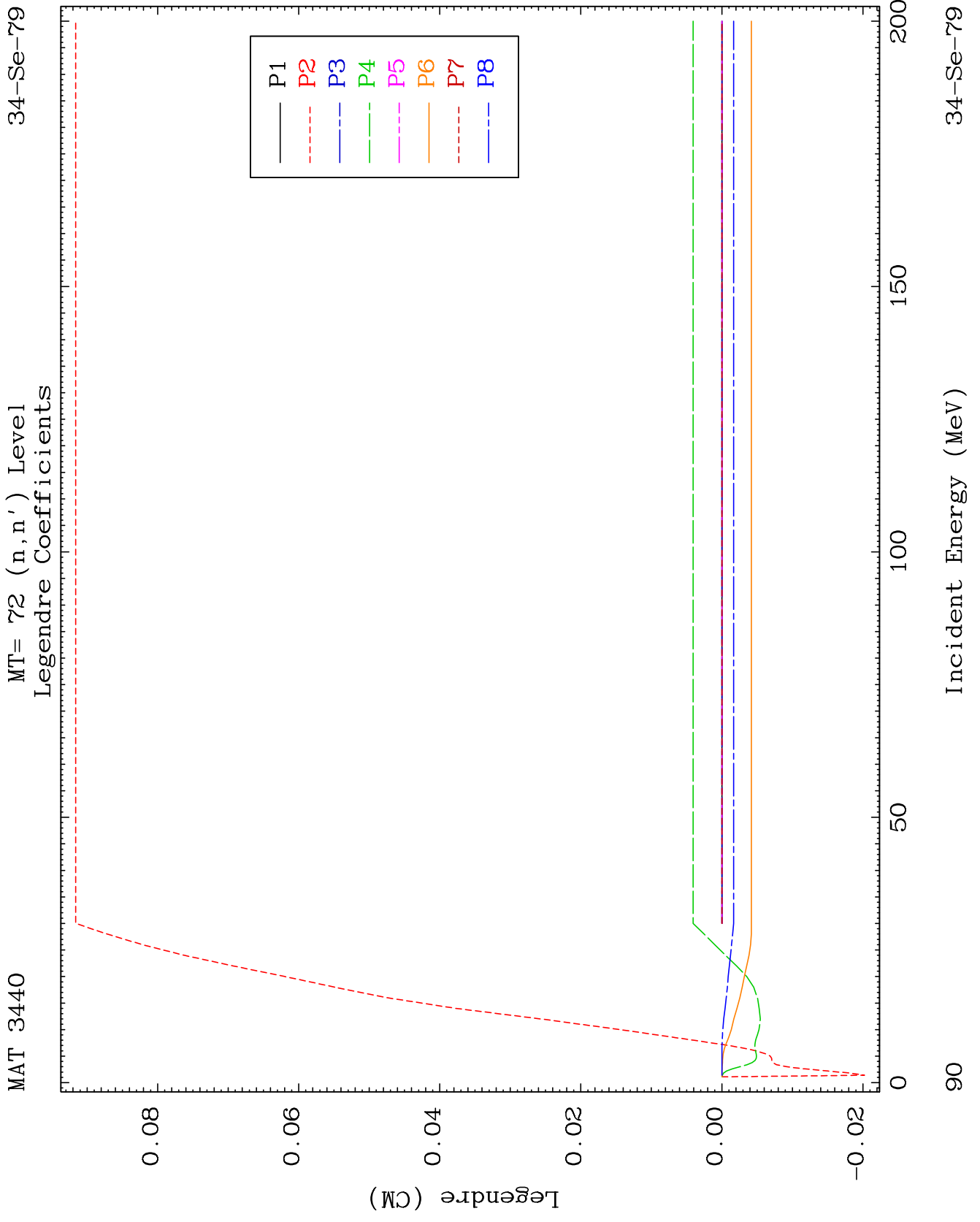


MAT 3440

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

34-Se-79

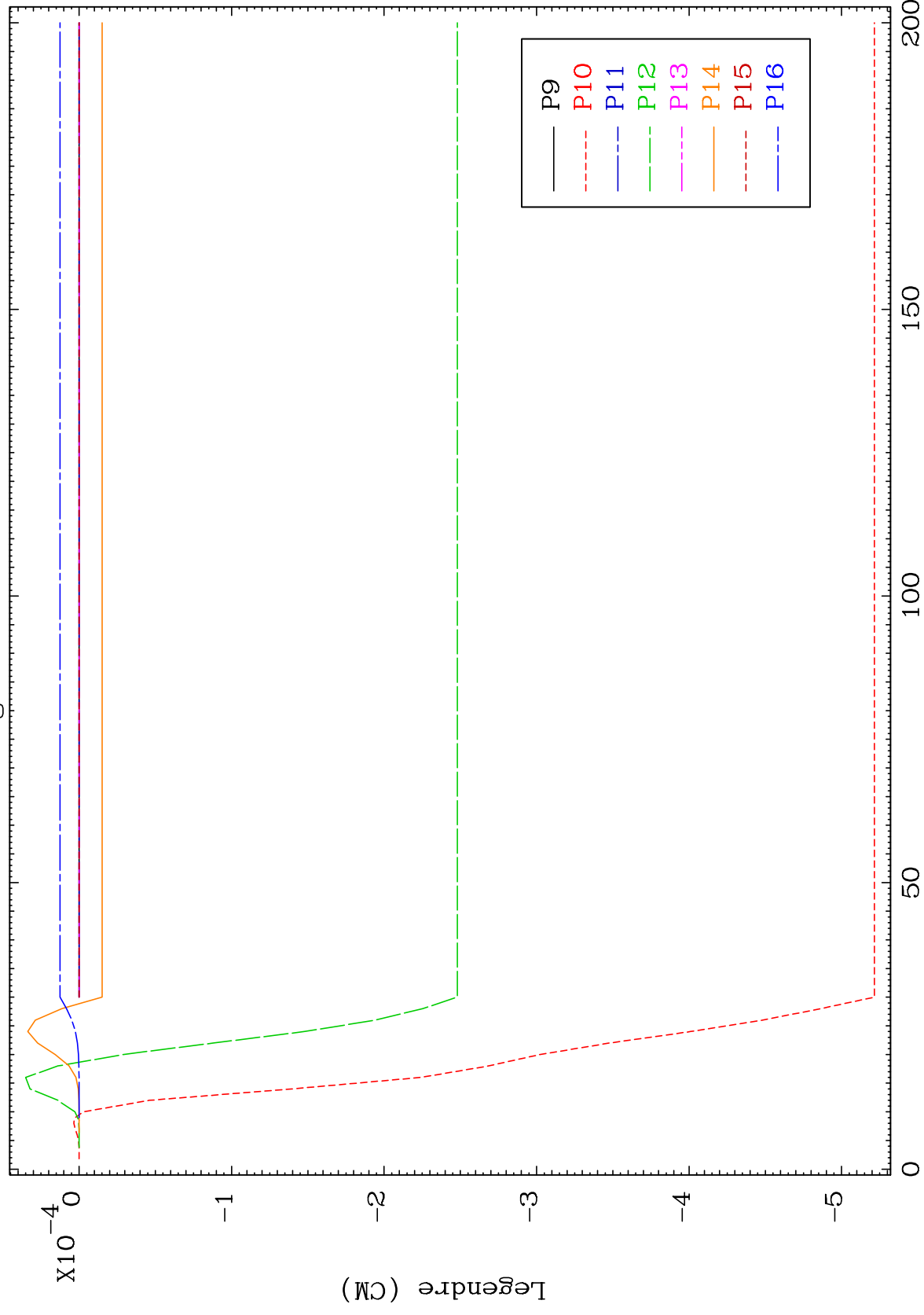




MAT 3440

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

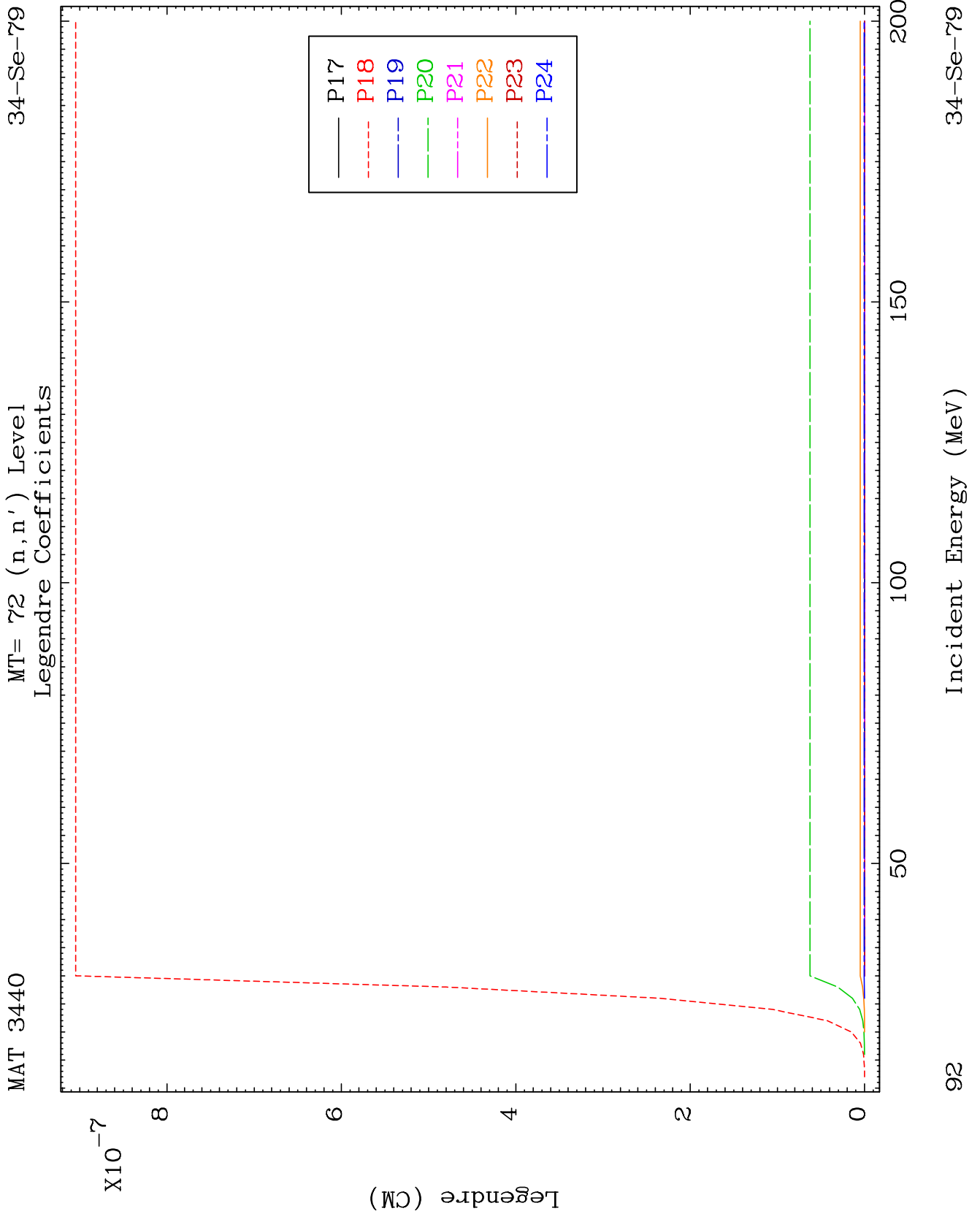
34-Se-79



91

Incident Energy (MeV)

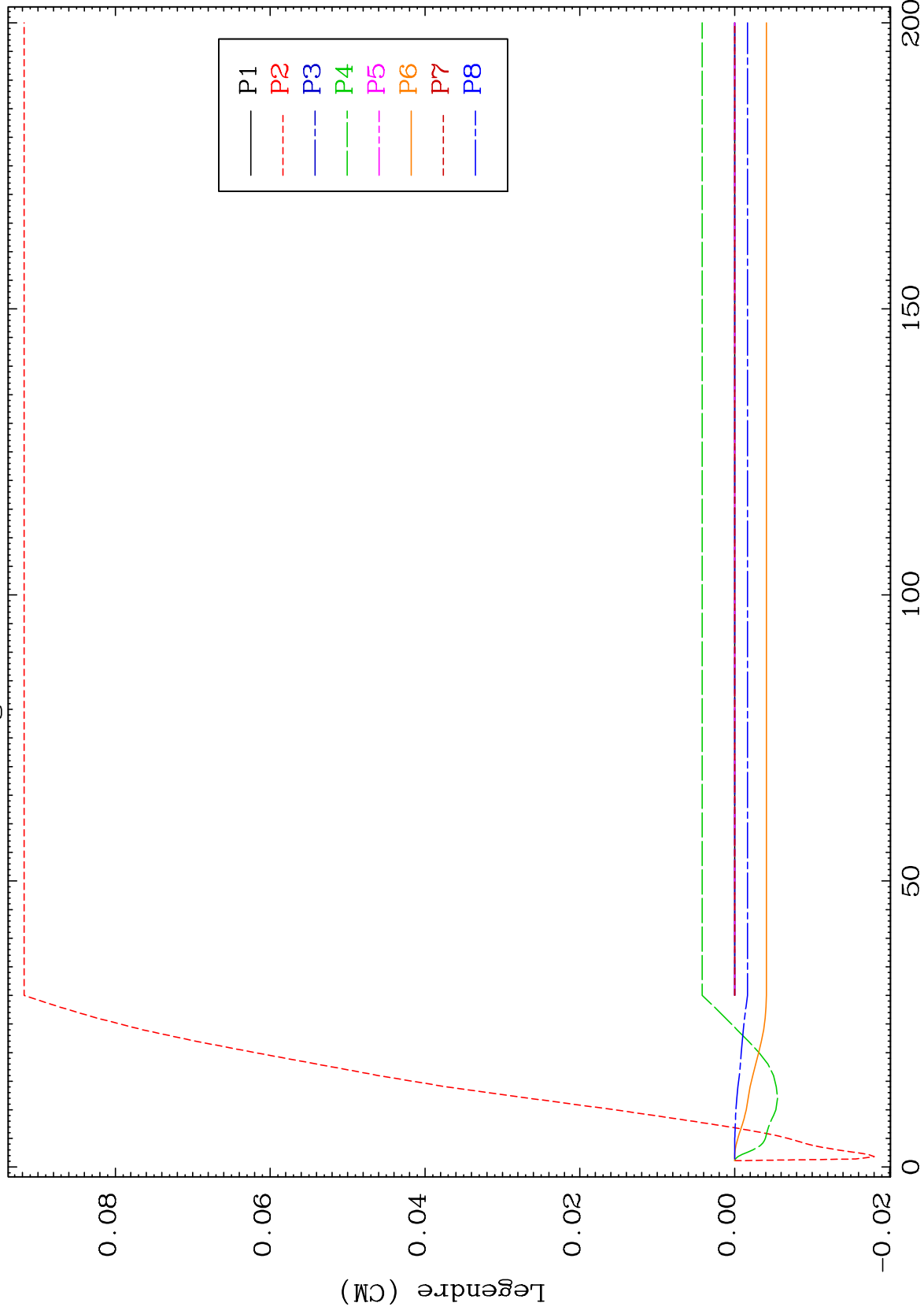
34-Se-79



MAT 3440

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

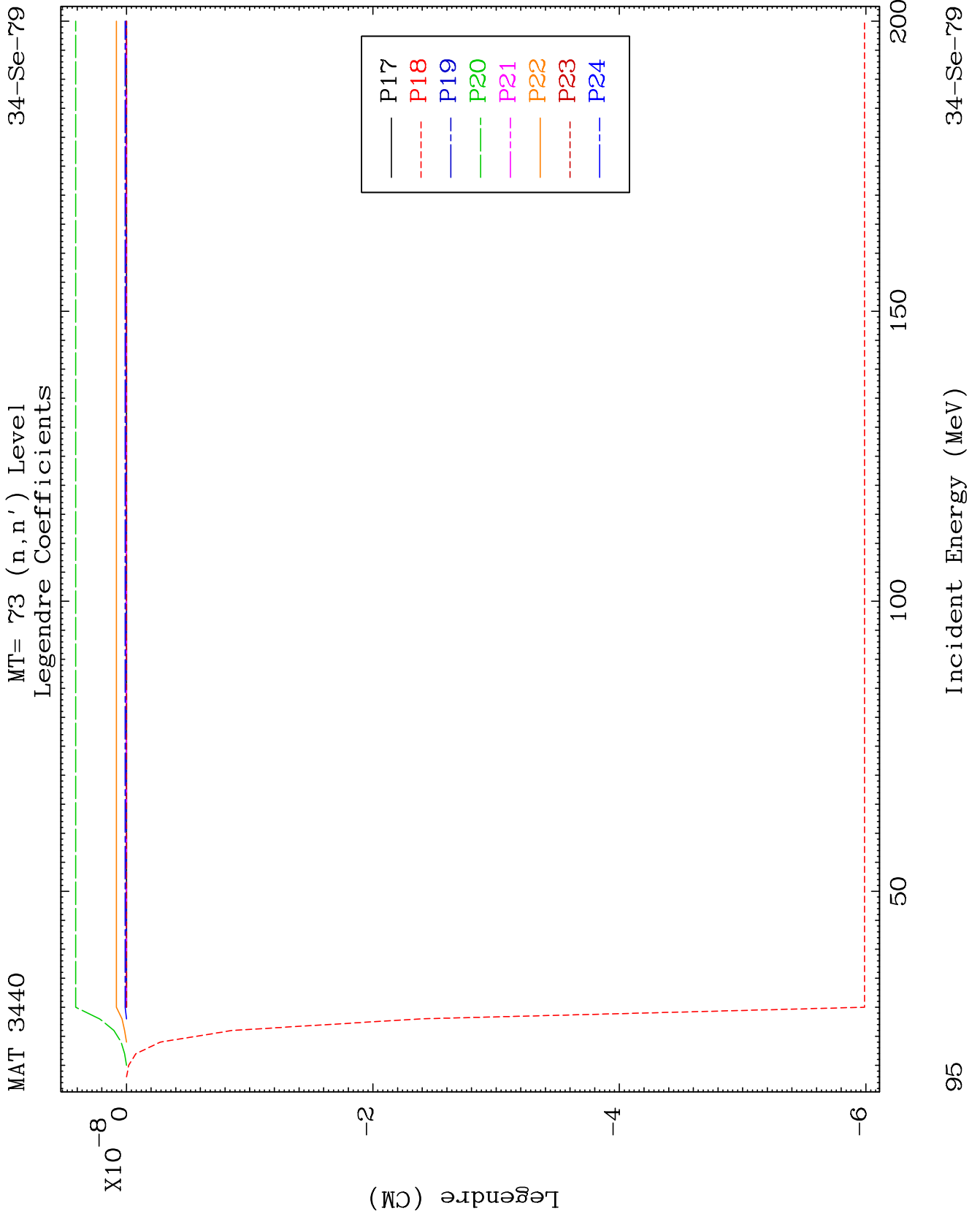
34-Se-79



34-Se-79

Incident Energy (MeV)

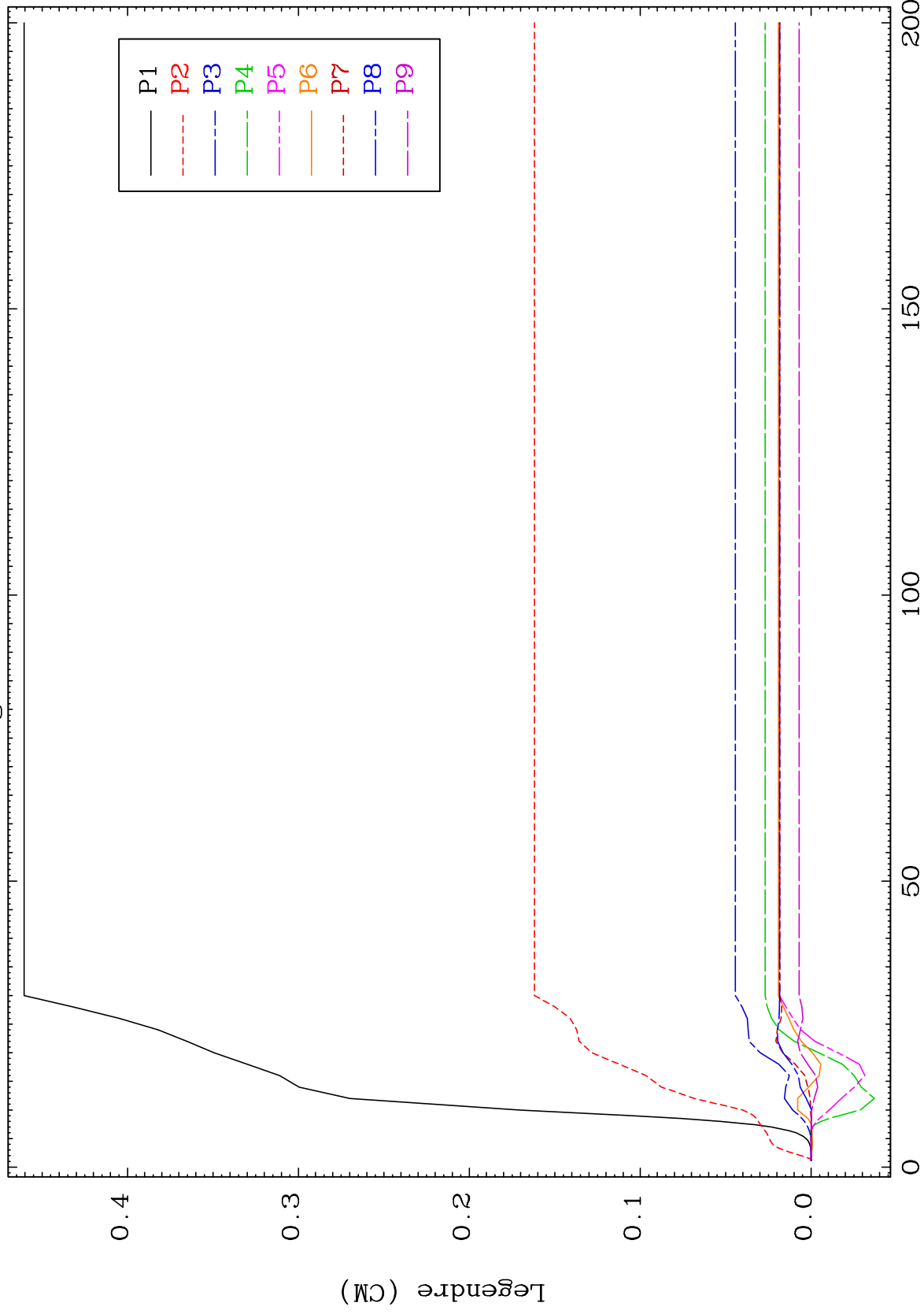
93



MAT 3440

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

³⁴Se-79



96

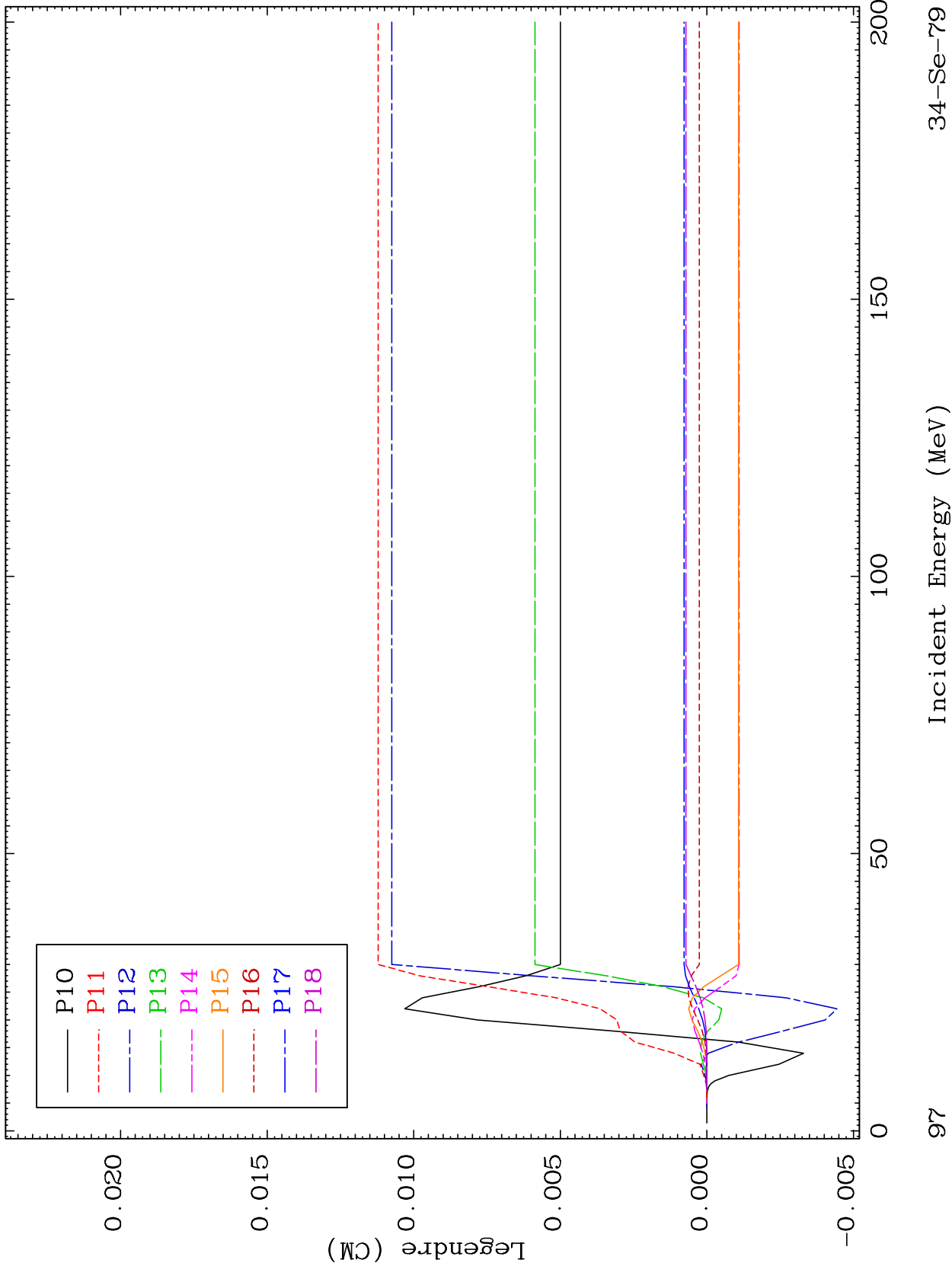
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

34-Se-79



97

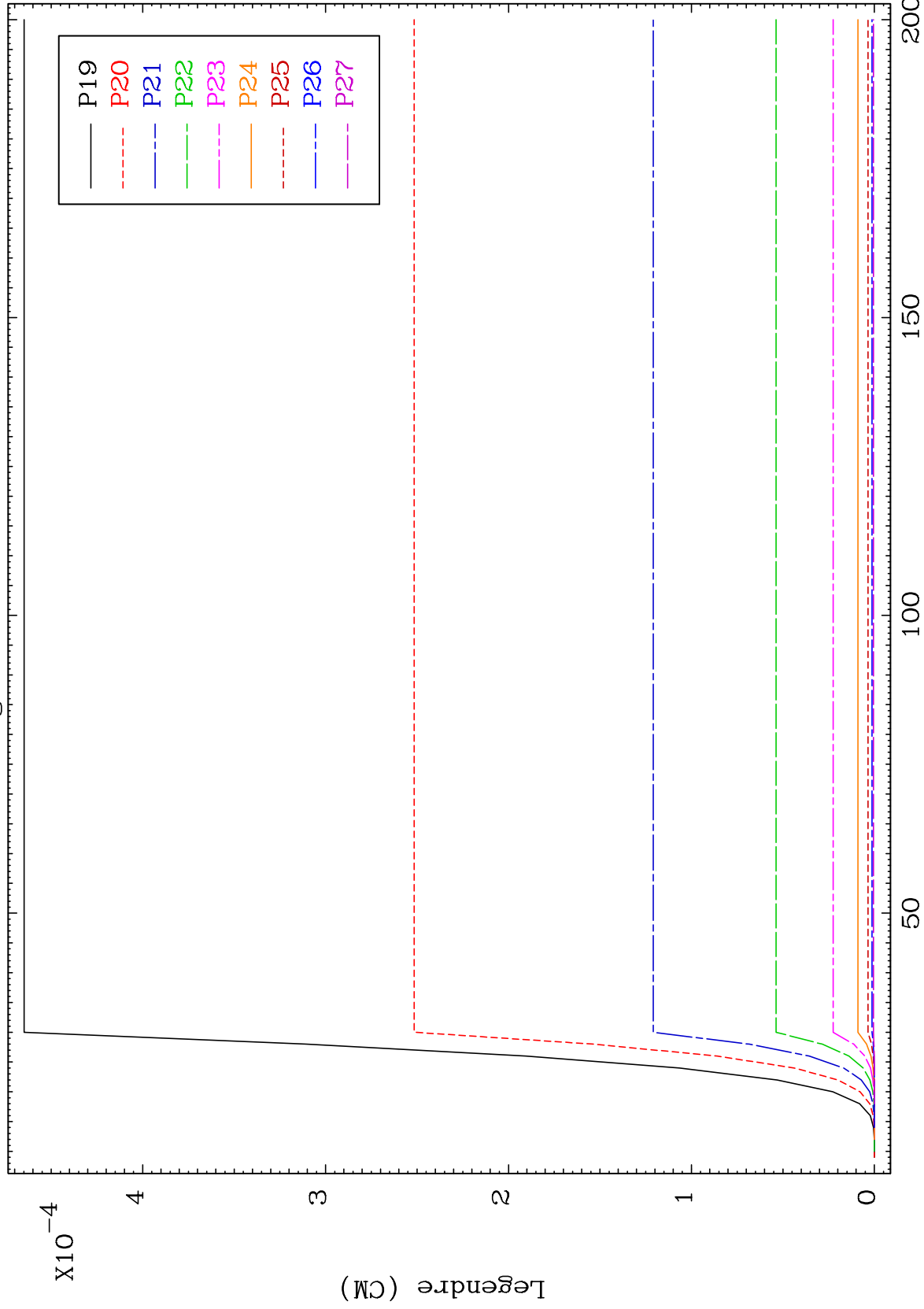
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



98

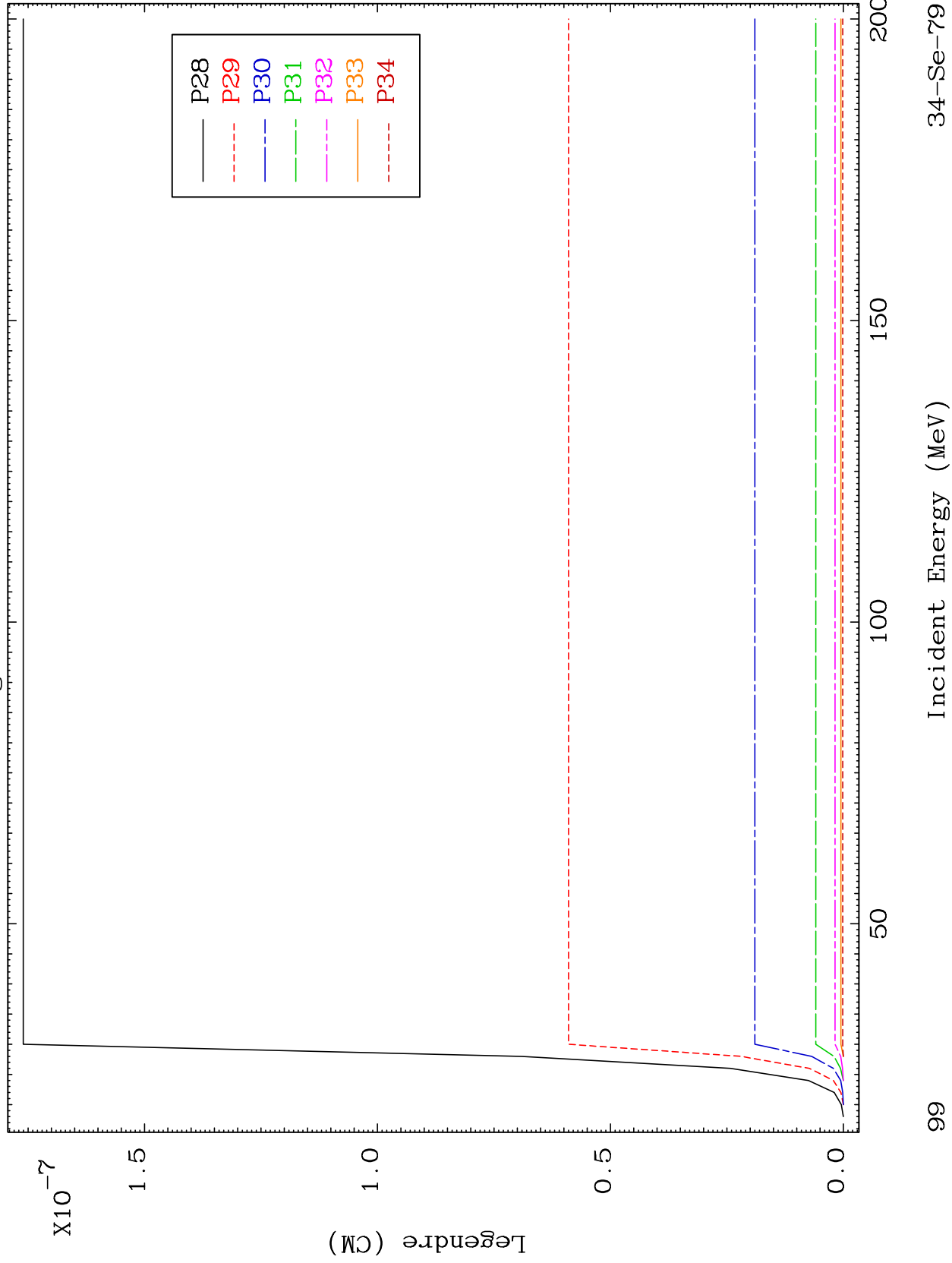
Incident Energy (MeV)

34-Se-79

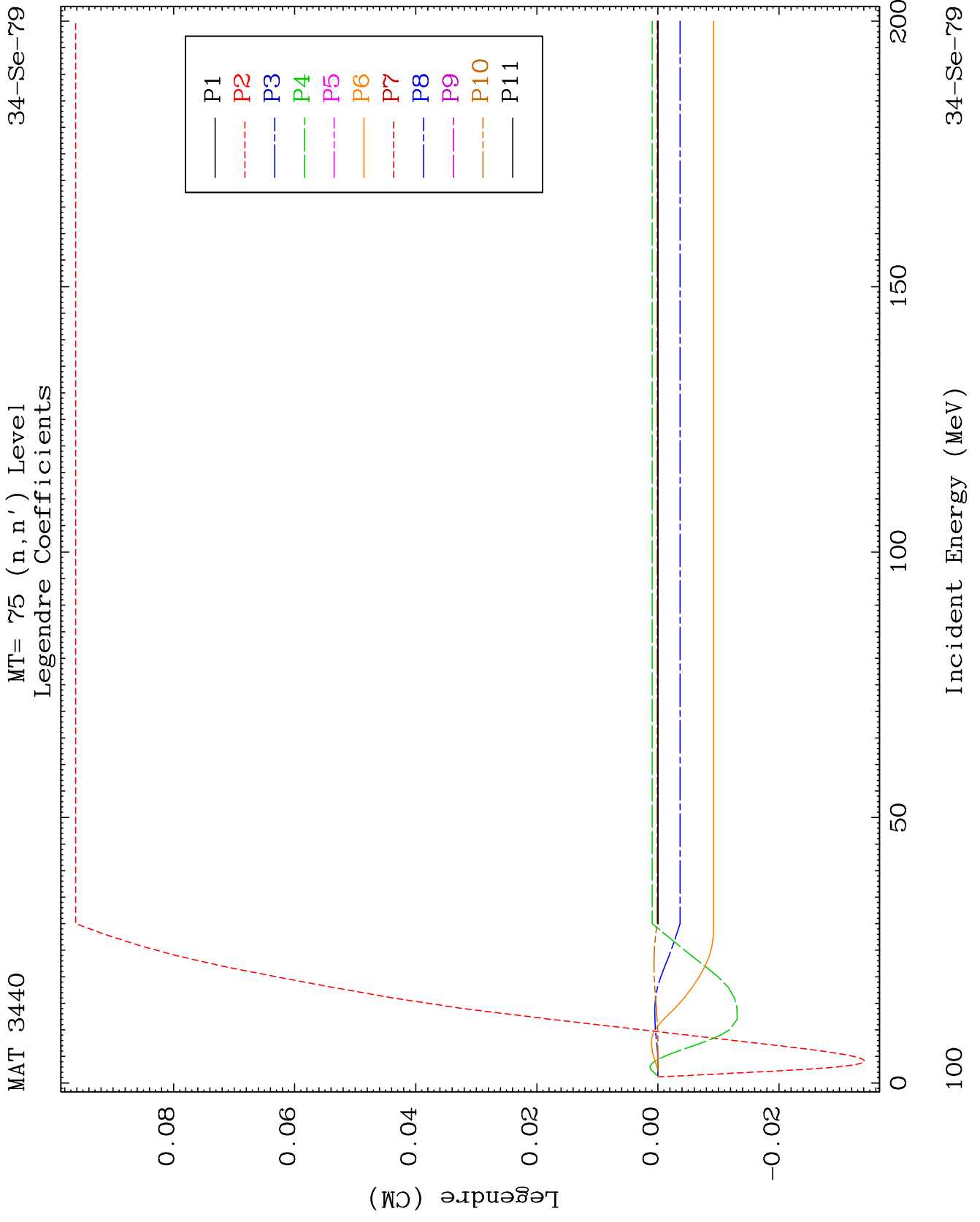
MAT 3440

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

³⁴Se-79



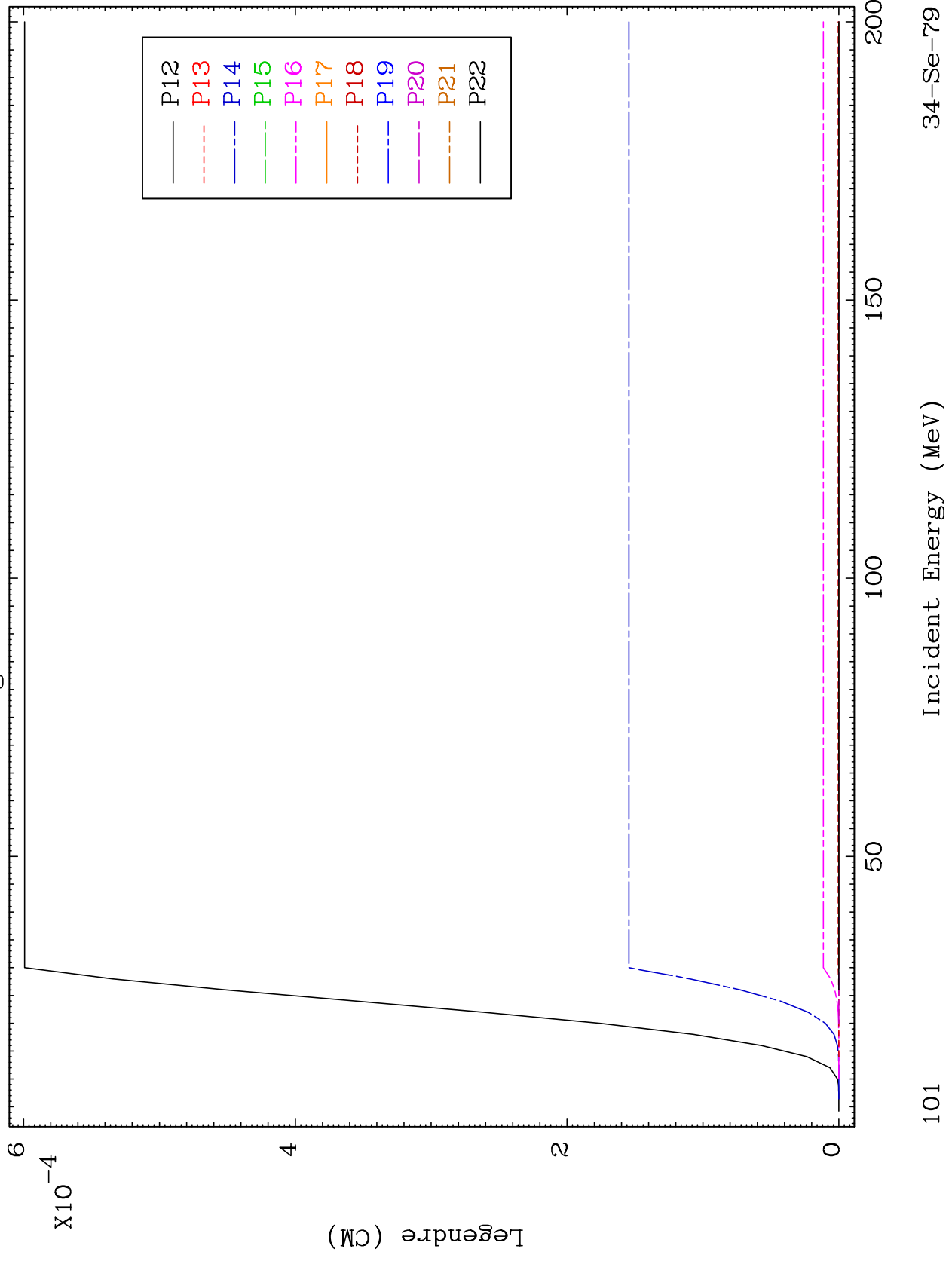
99

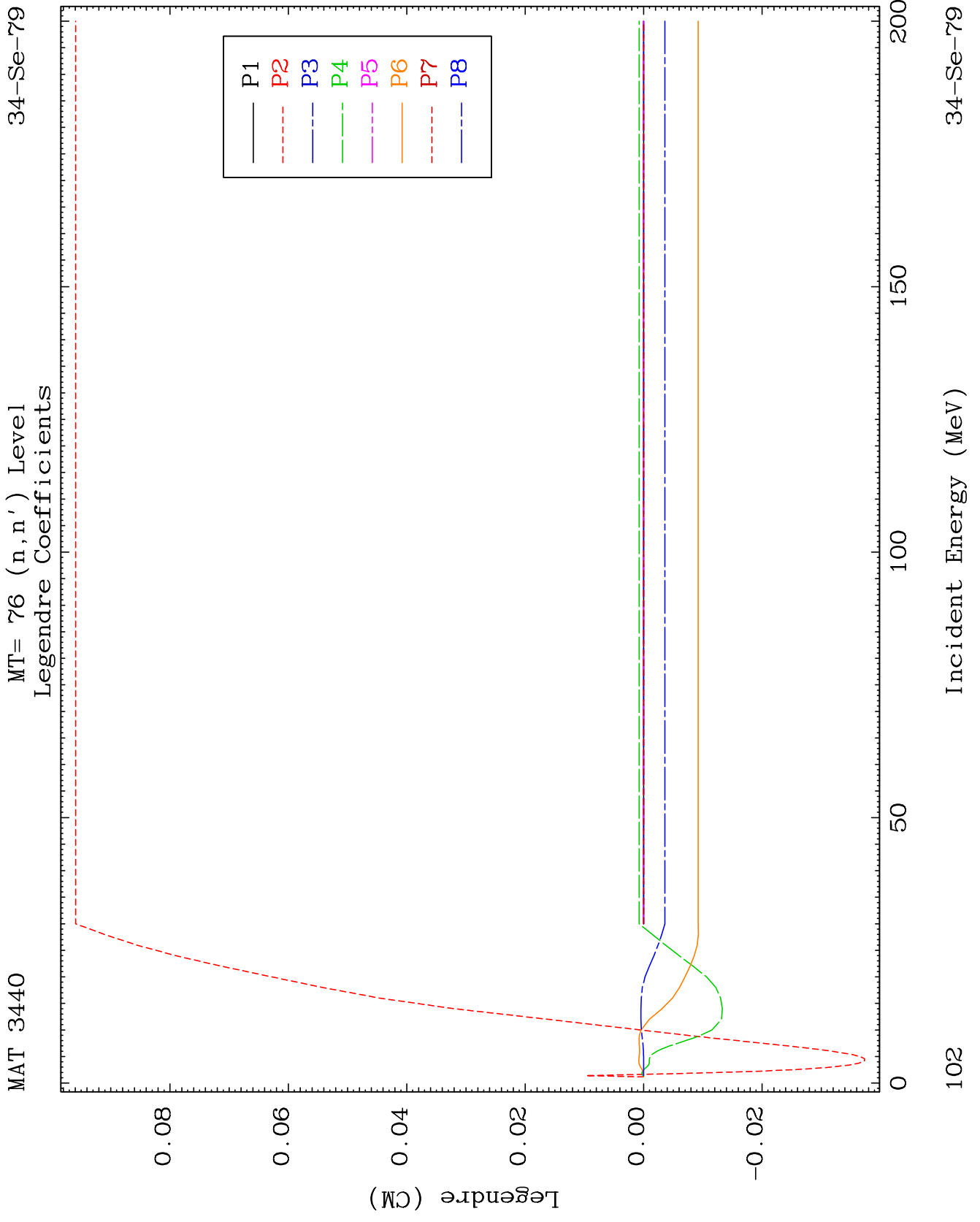


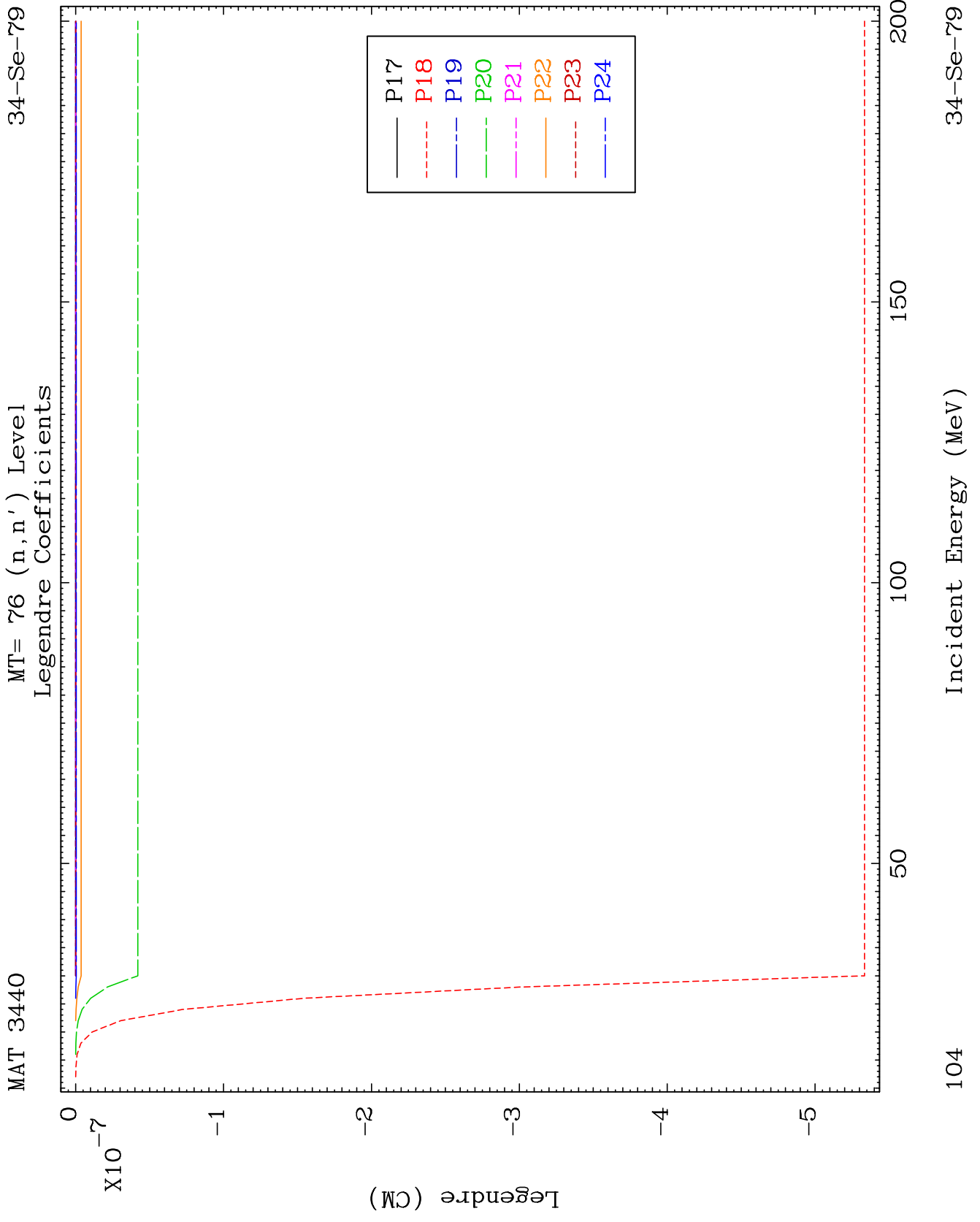
MAT 3440

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

34-Se-79



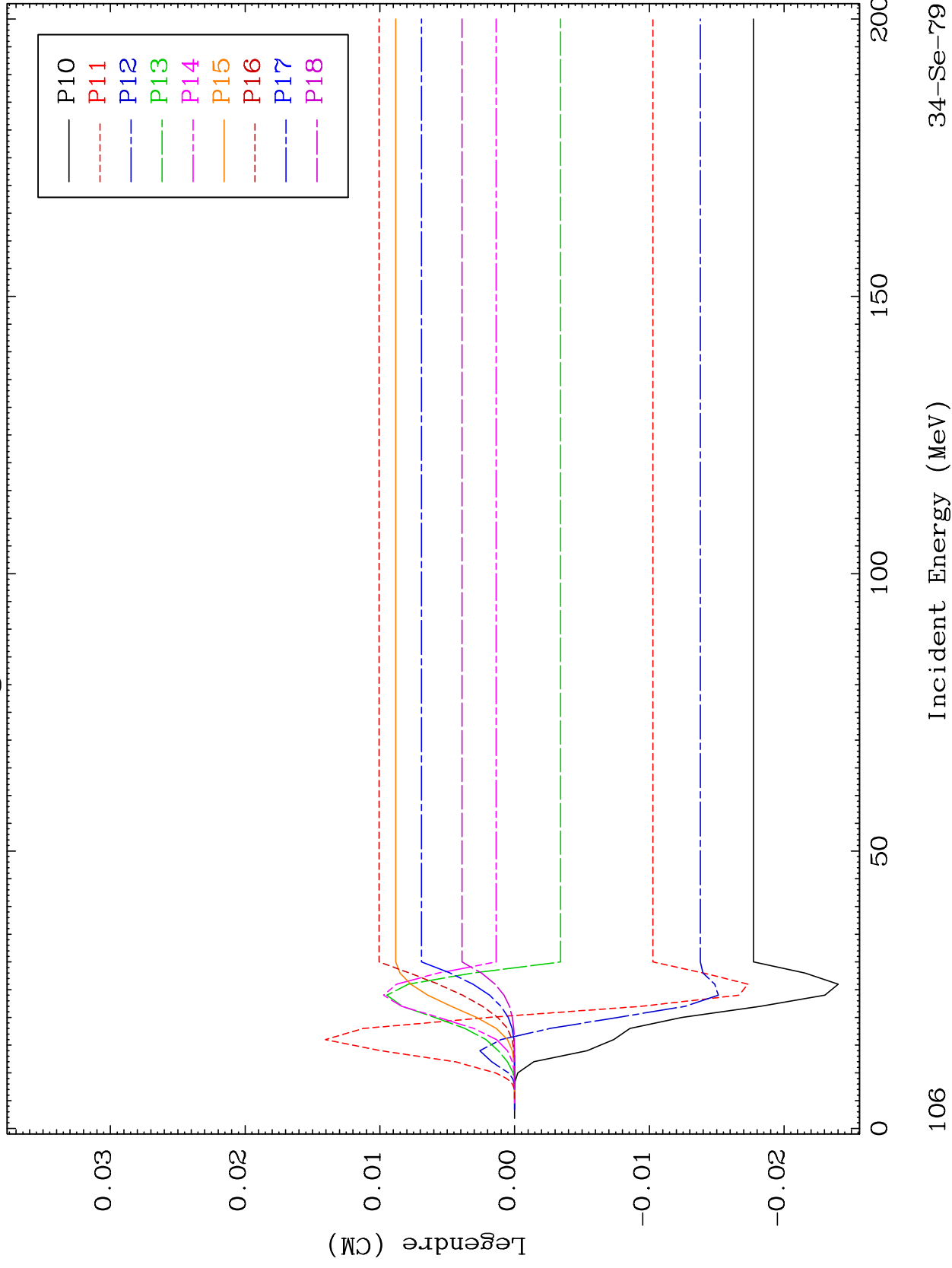




MAT 3440

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

³⁴Se-79



³⁴Se-79

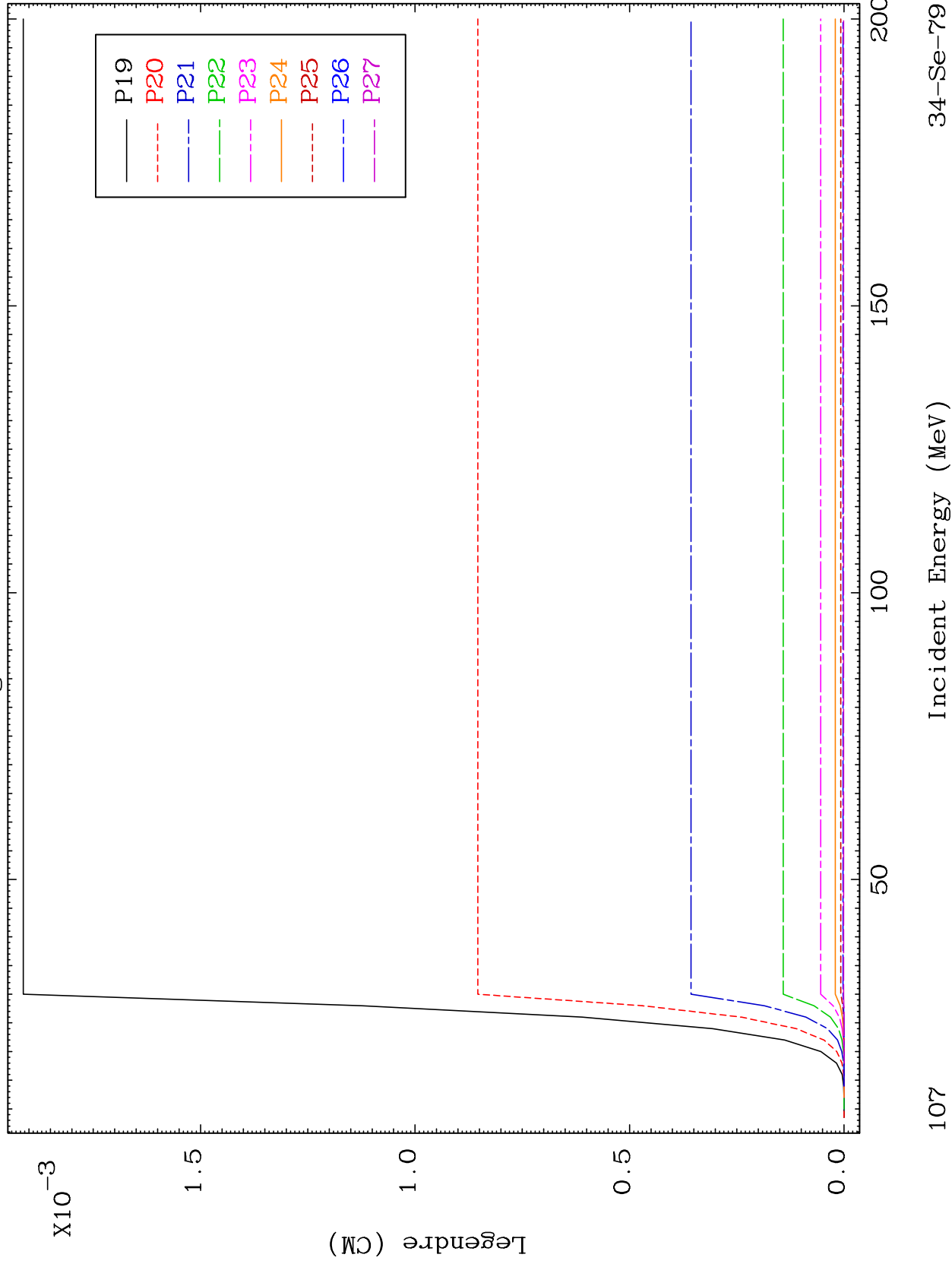
Incident Energy (MeV)

106

MAT 3440

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

34-Se-79



107

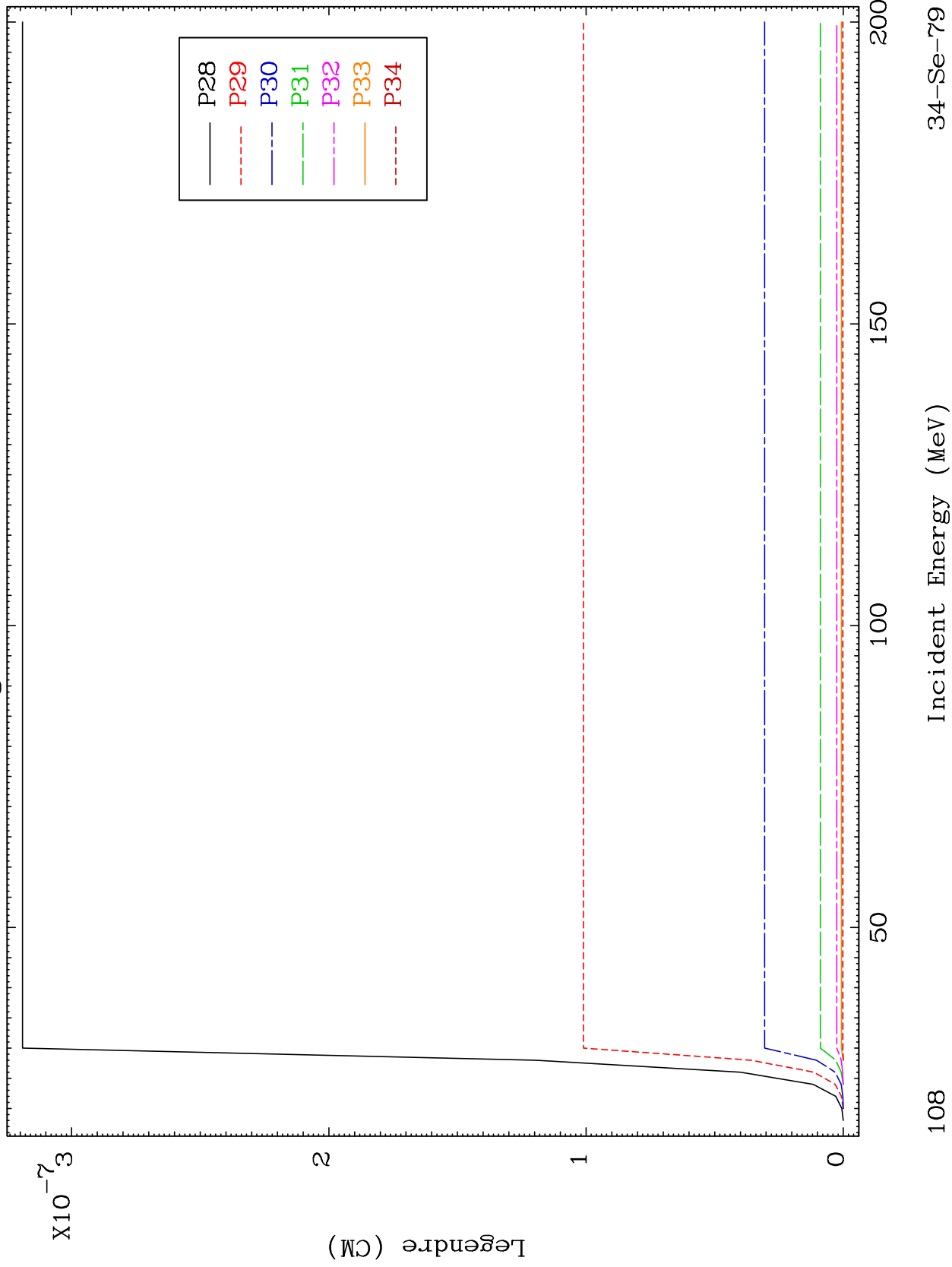
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



108

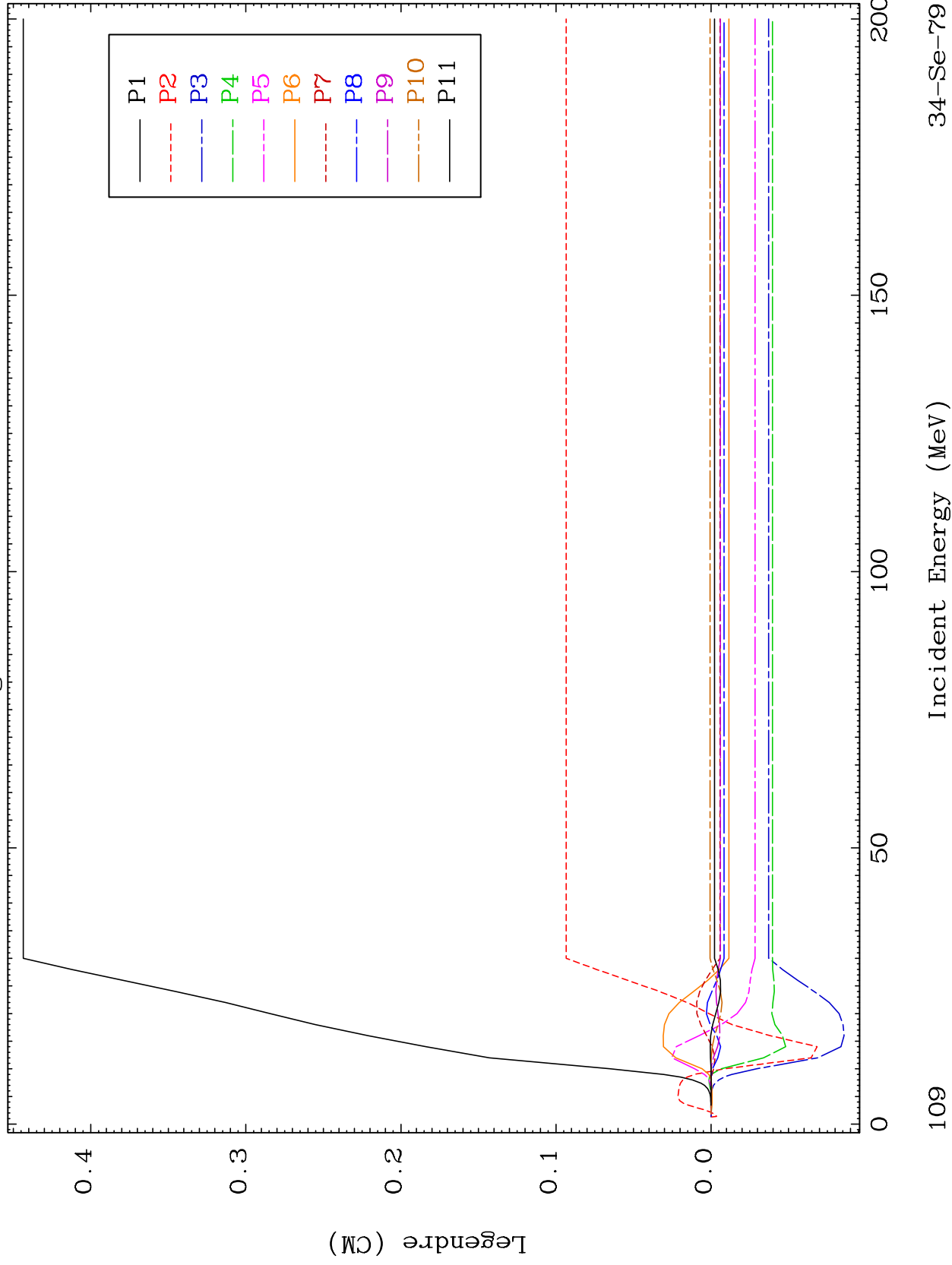
Incident Energy (MeV)

34-Se-79

MAT 3440

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

³⁴Se-79



³⁴Se-79

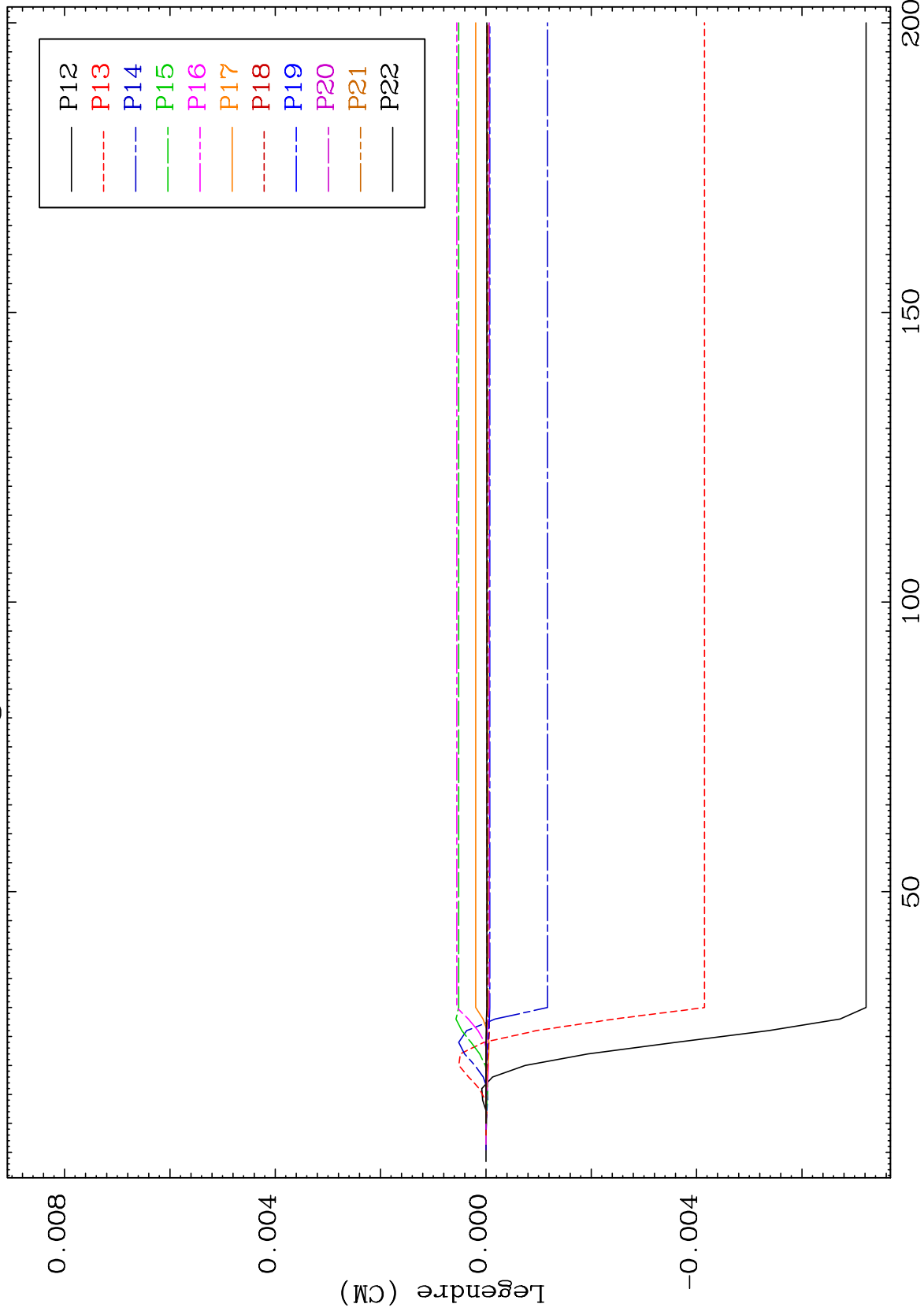
Incident Energy (MeV)

109

MAT 3440

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

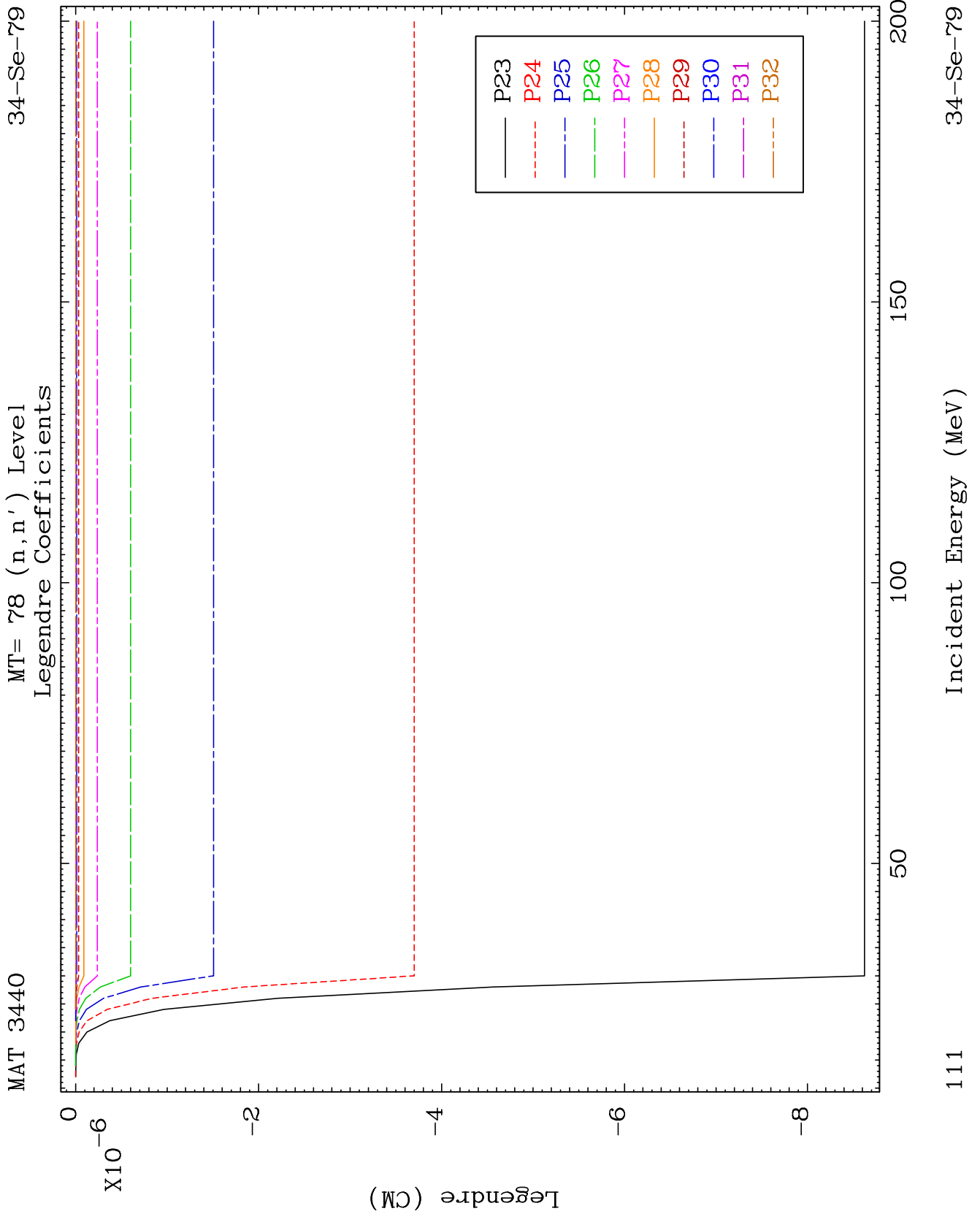
34-Se-79

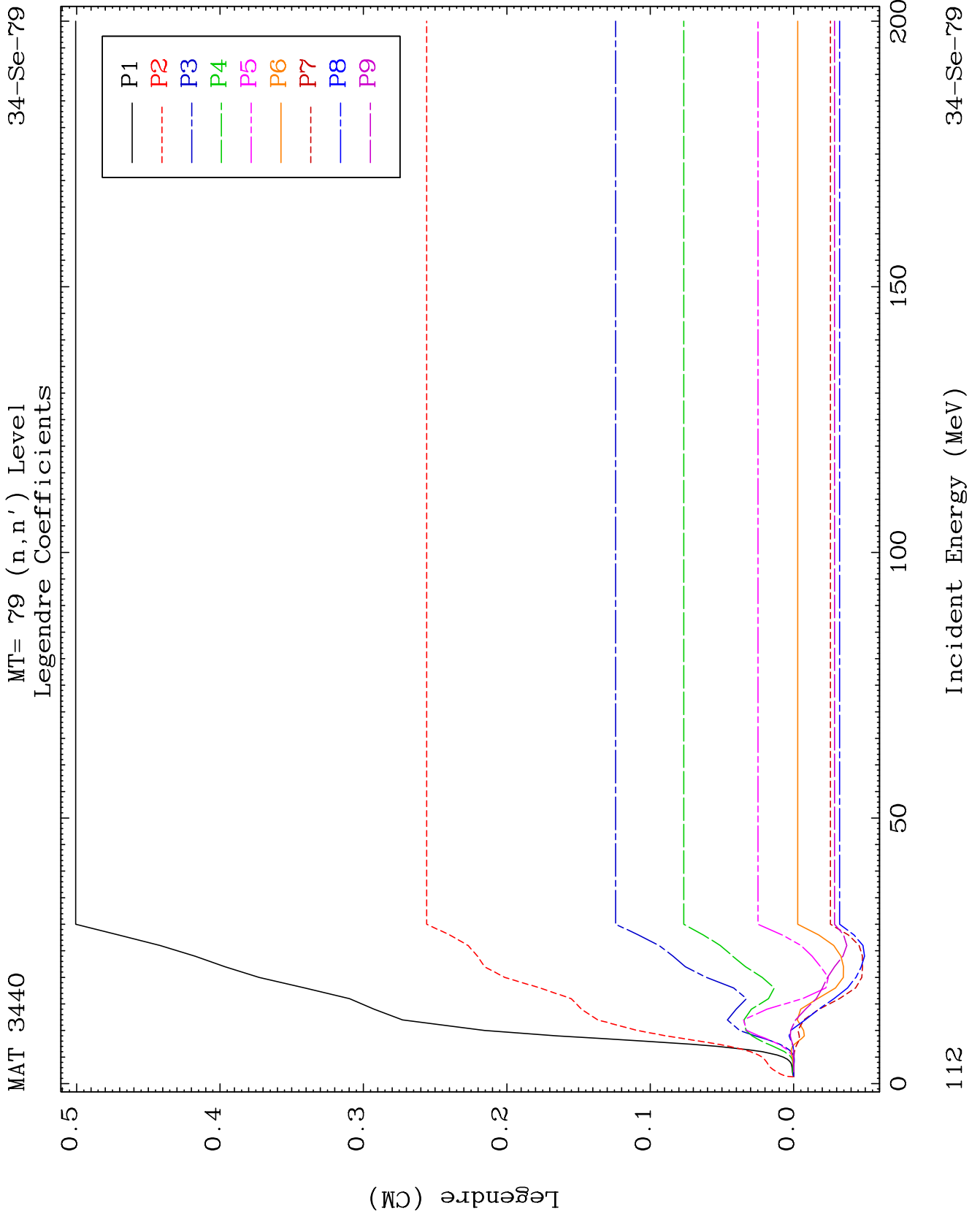


110

Incident Energy (MeV)

34-Se-79

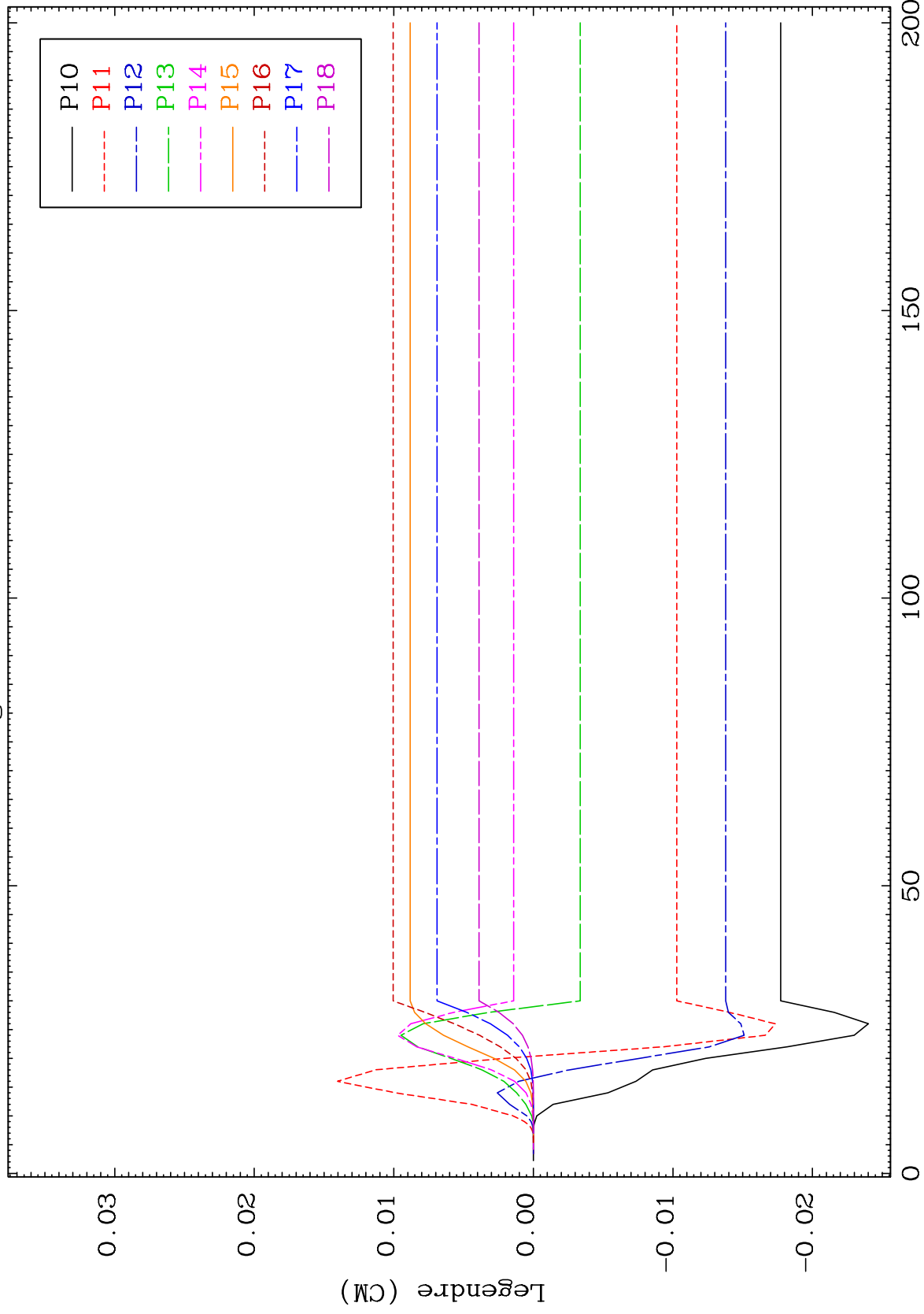




MAT 3440

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

³⁴Se-79



113

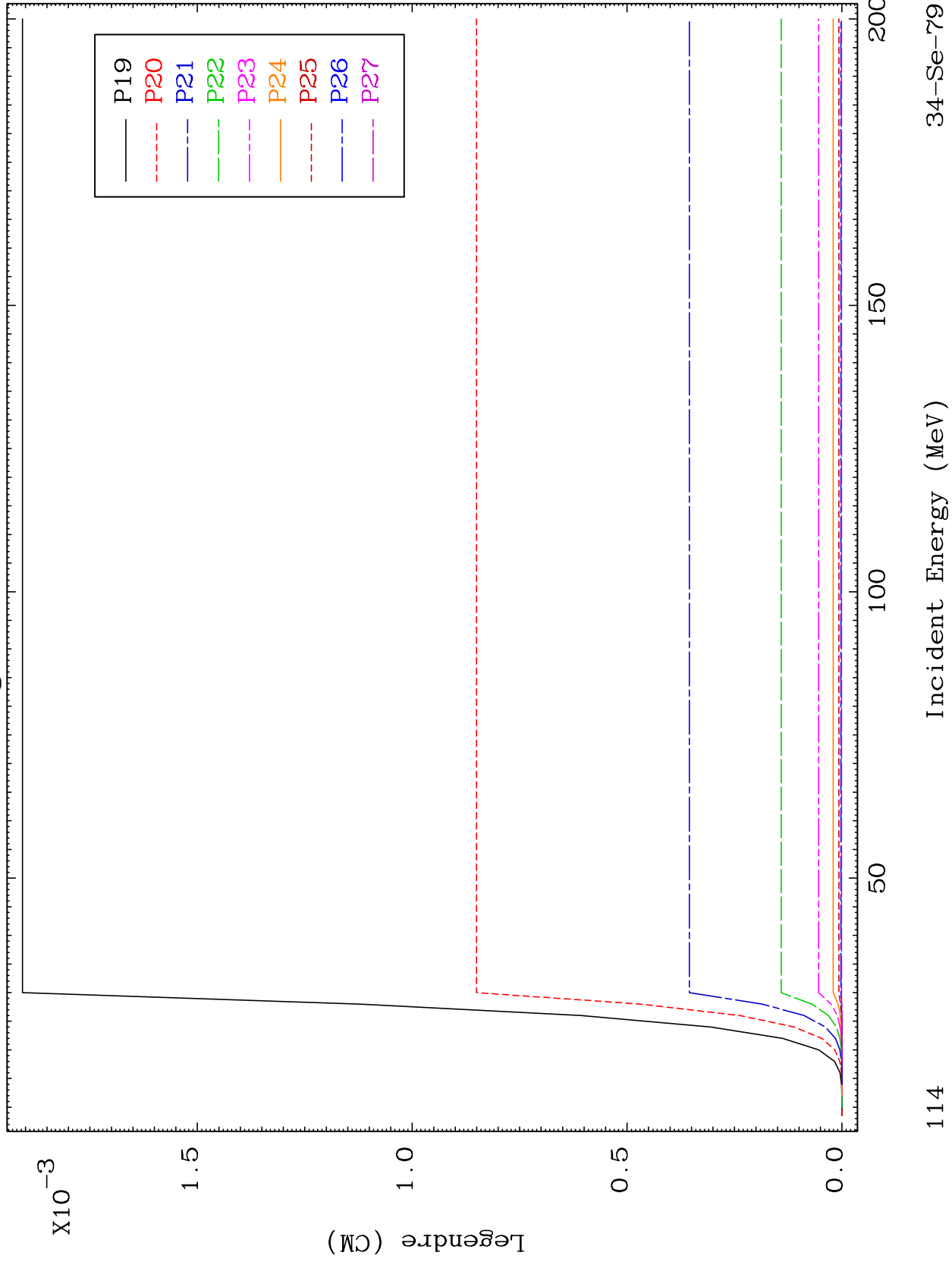
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

³⁴Se-79



114

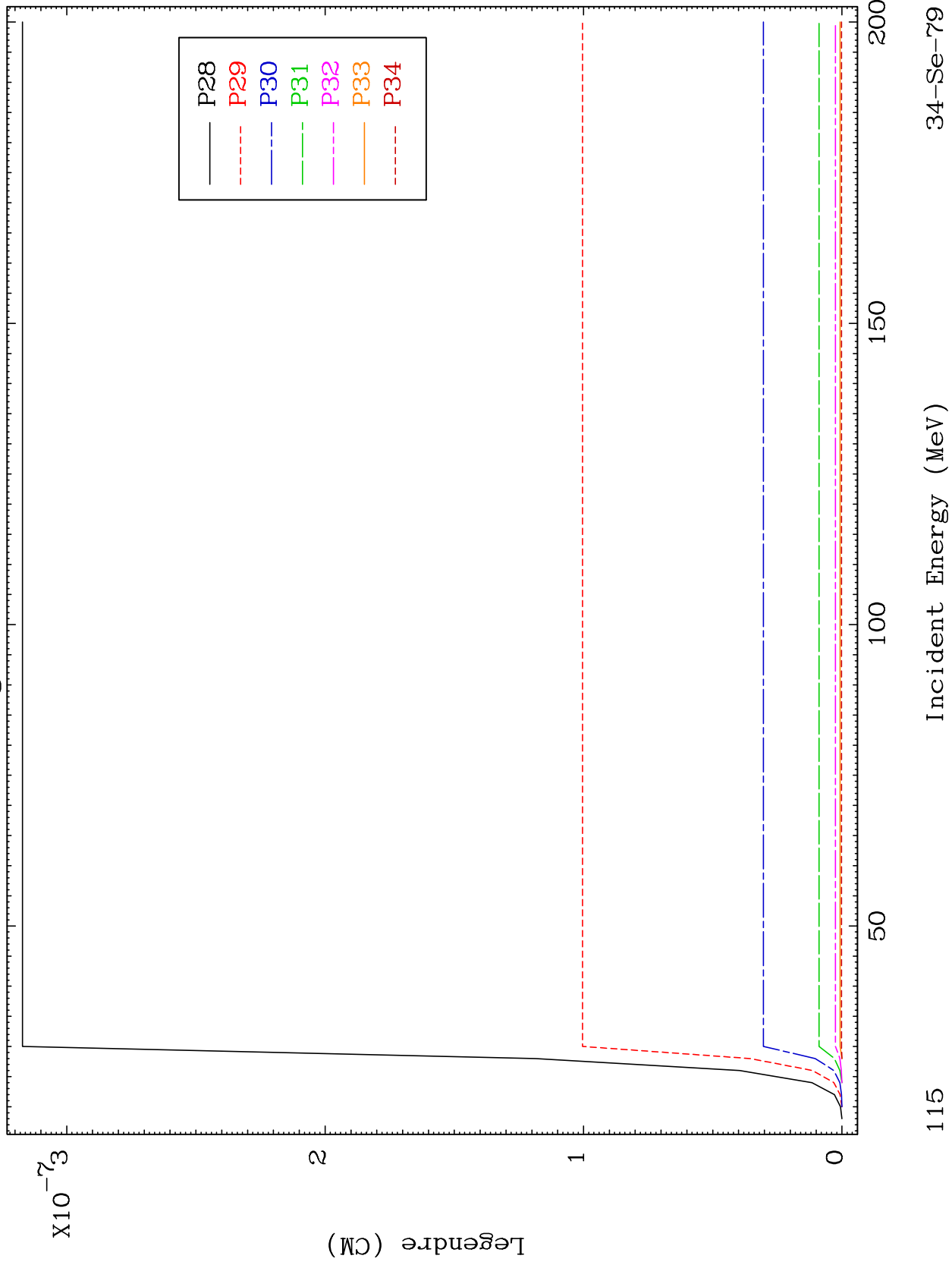
Incident Energy (MeV)

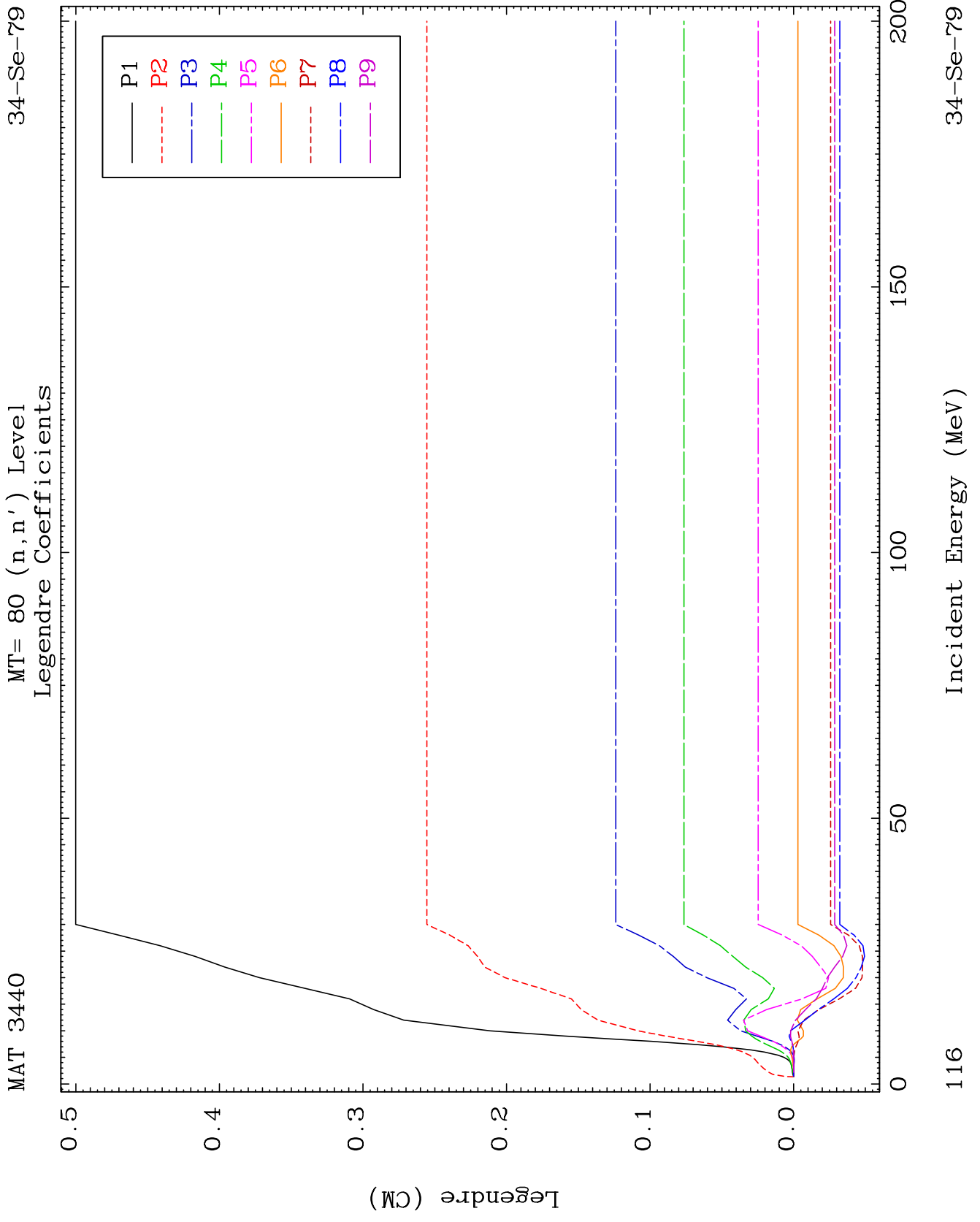
³⁴Se-79

MAT 3440

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

³⁴Se-79

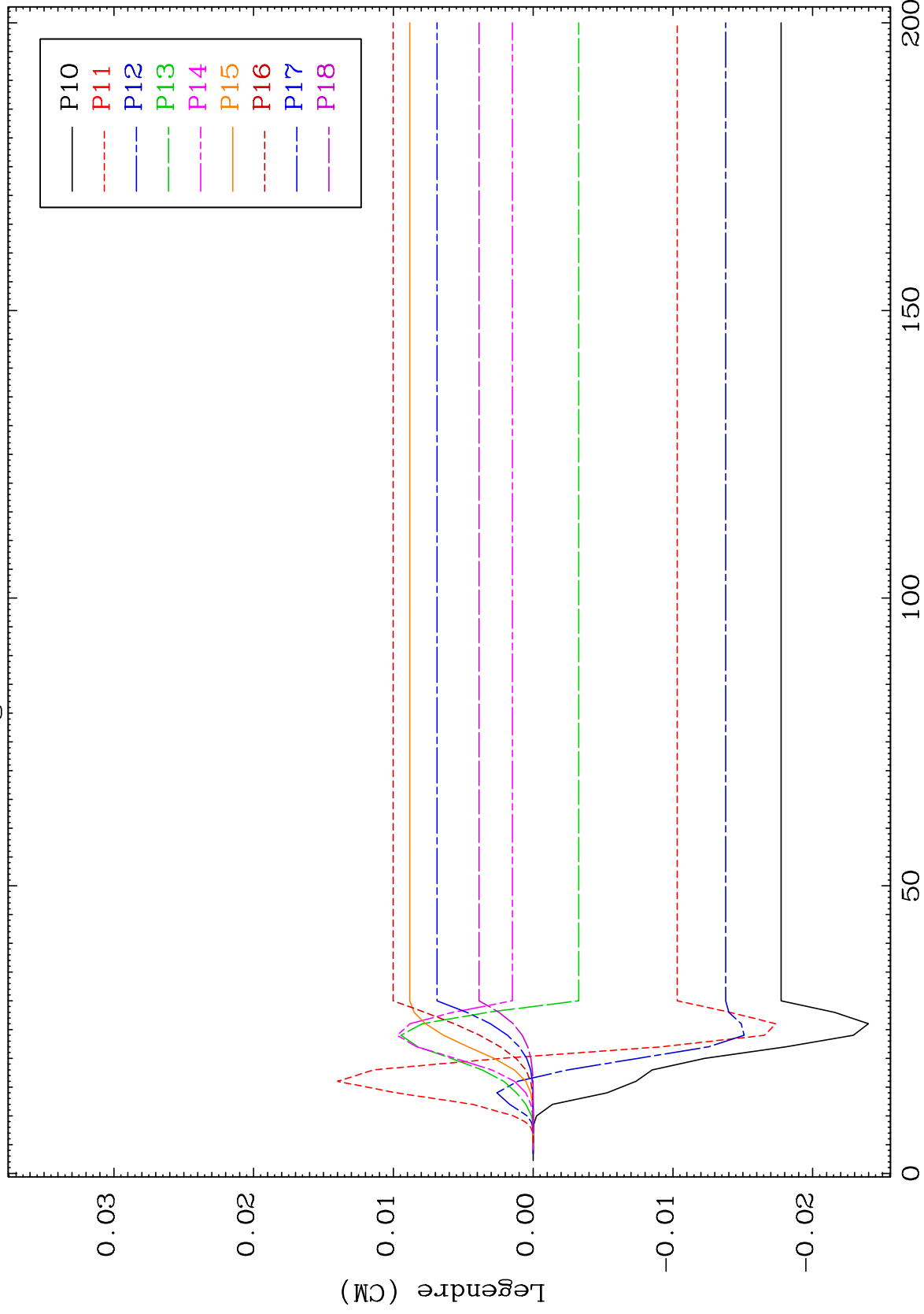




MAT 3440

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

³⁴Se-79



117

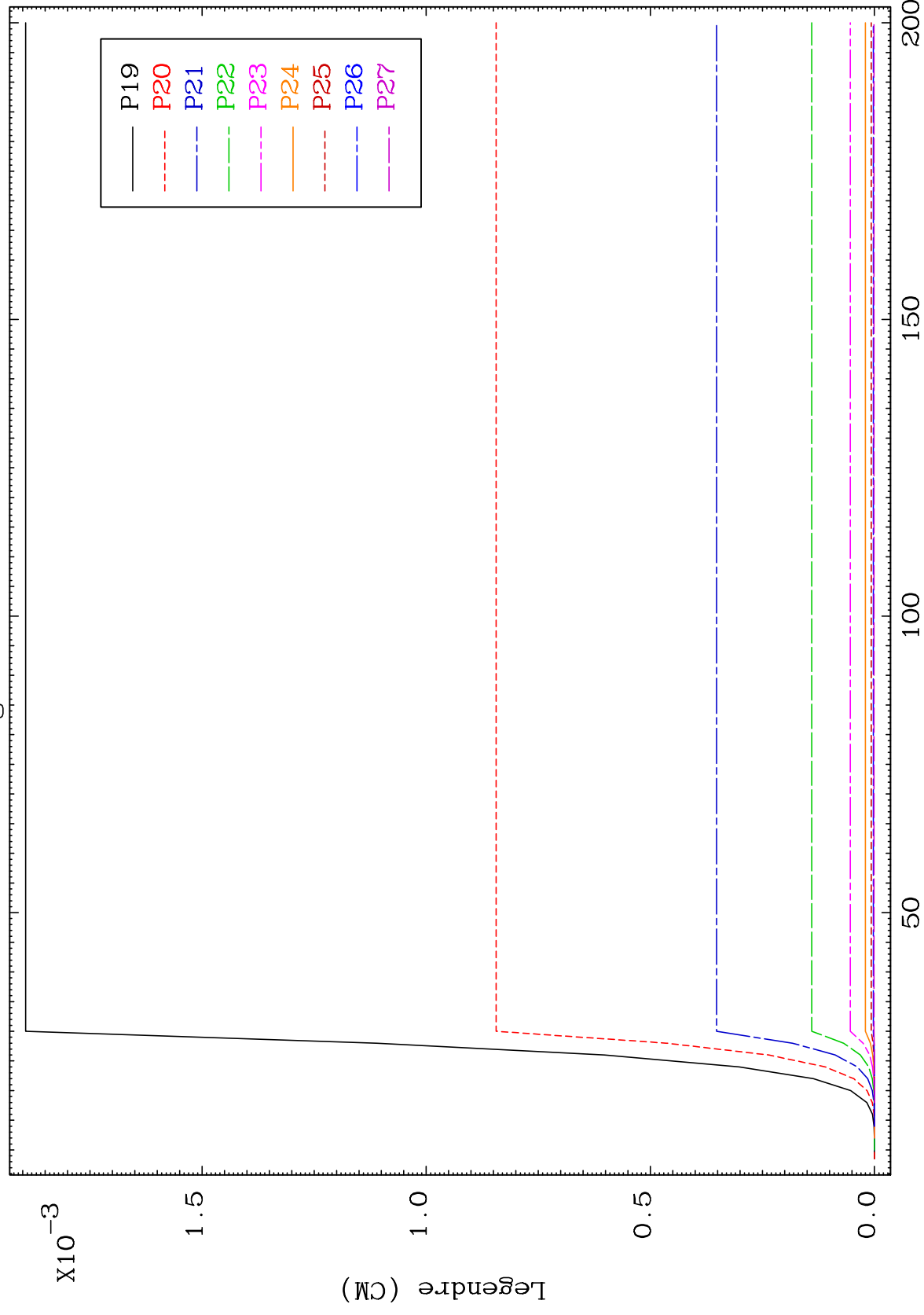
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

³⁴Se-79



118

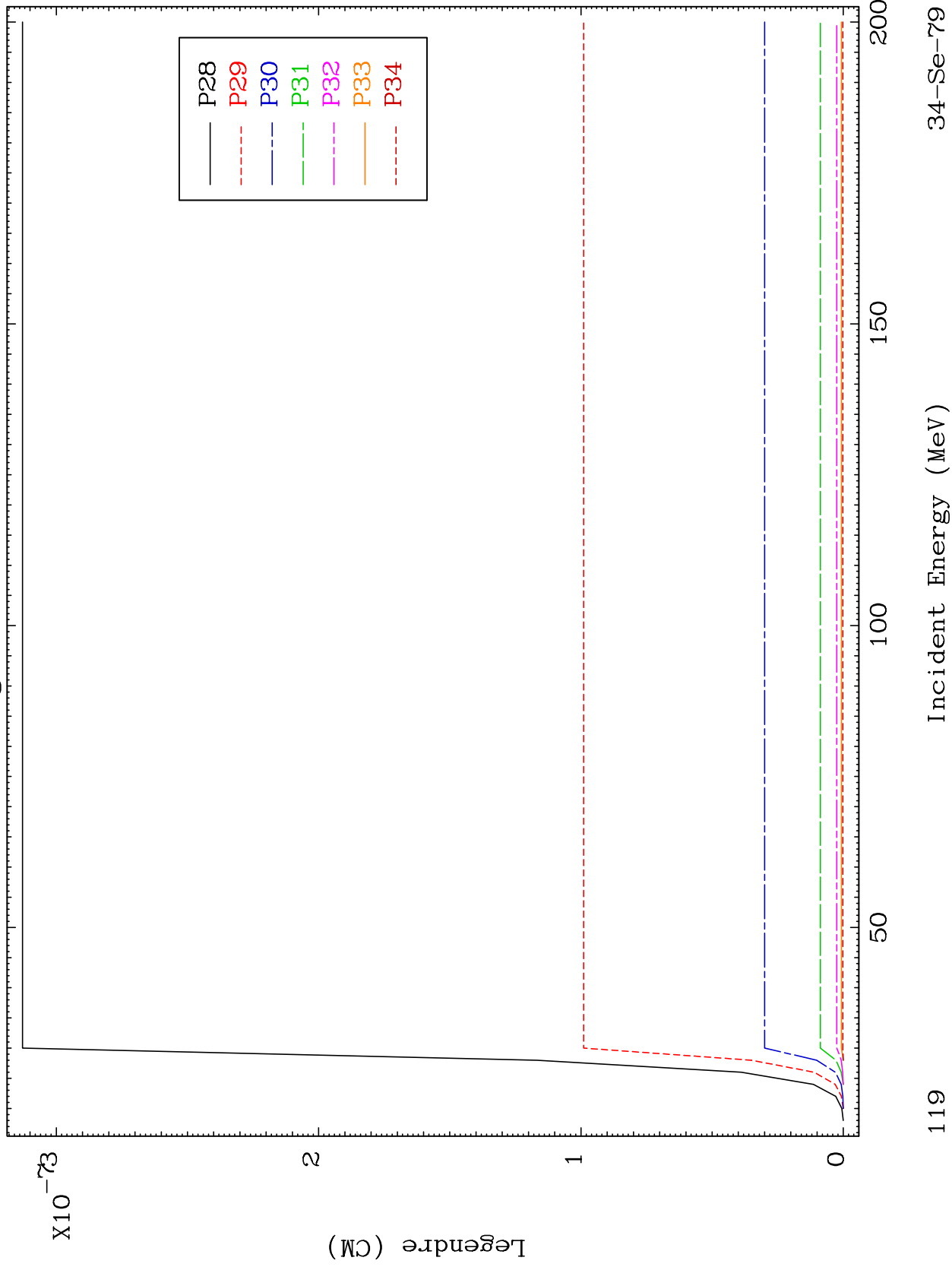
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

34-Se-79



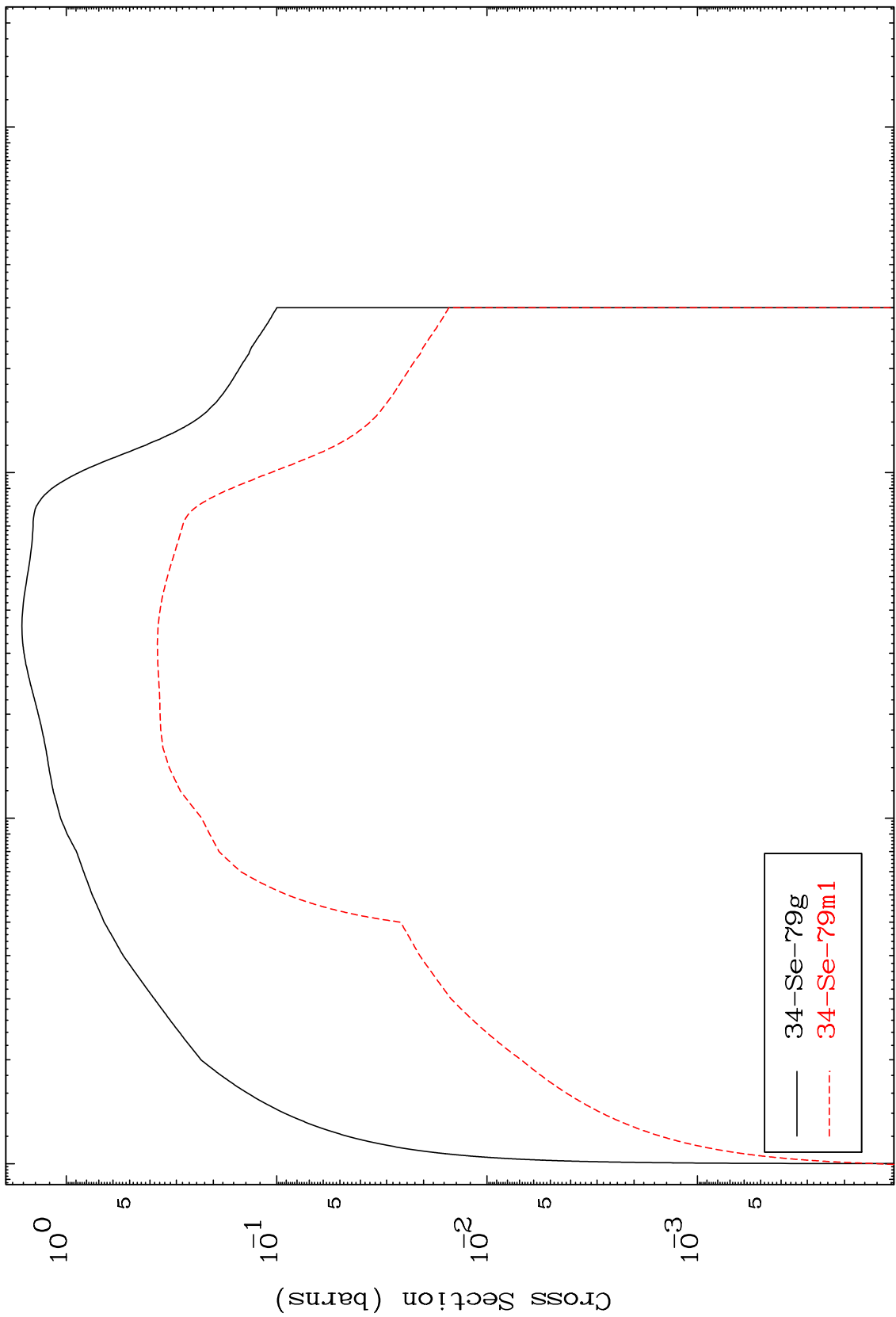
119

34-Se-79

MAT 3440

³⁴Se-79

Inelastic
Radionuclide Production Cross Section



— 34-Se-79g
- - - 34-Se-79m1

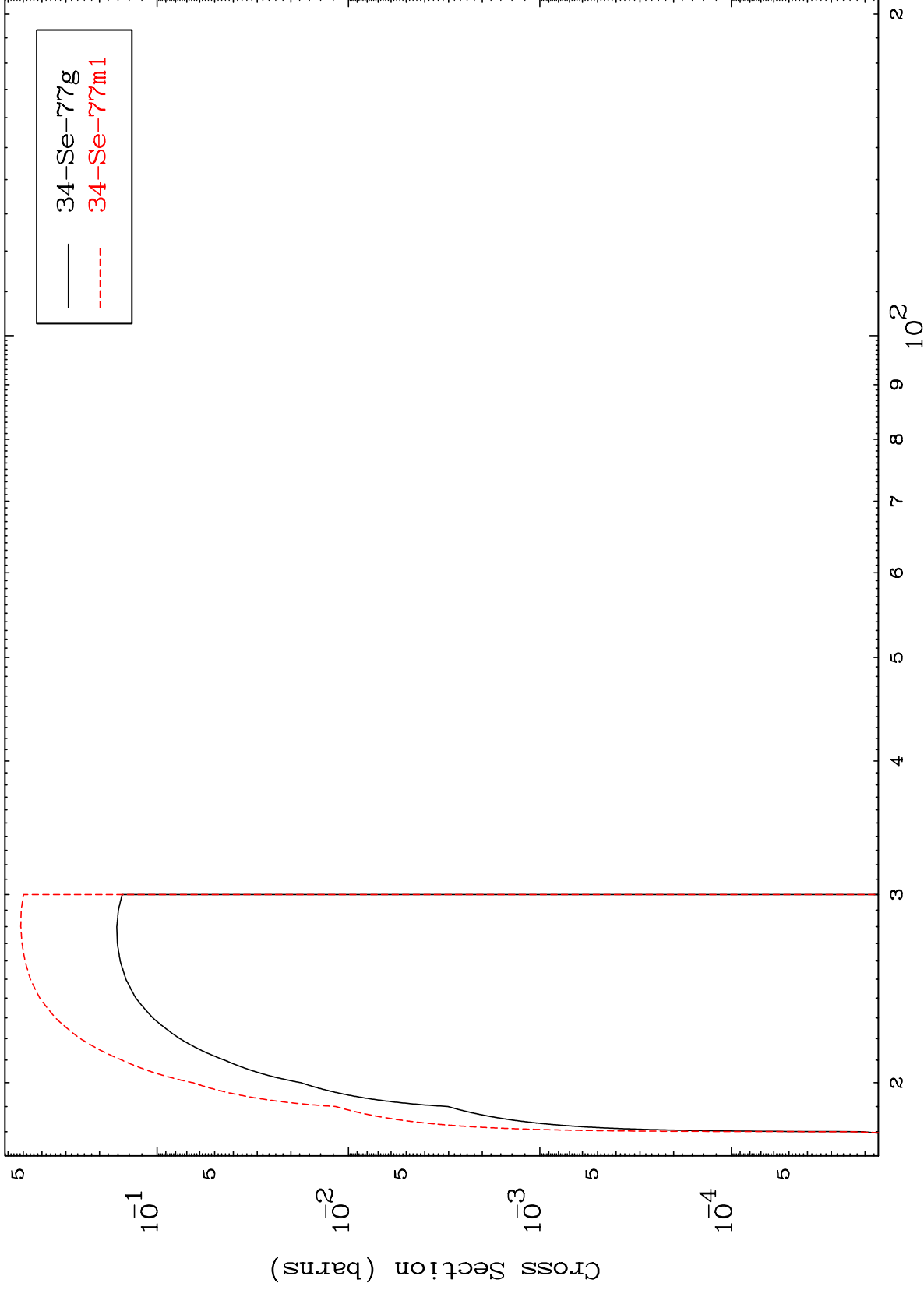
10⁰
5
10⁻¹
5
10⁻²
5
10⁻³
5
10⁻¹ 2 4 6 8 10⁰ 2 4 6 8 10¹ 2 4 6 8 10² 2
Incident Energy (MeV) ³⁴Se-79
120

MAT 3440

(n,3n)

³⁴Se-79

Radionuclide Production Cross Section



121

Incident Energy (MeV)

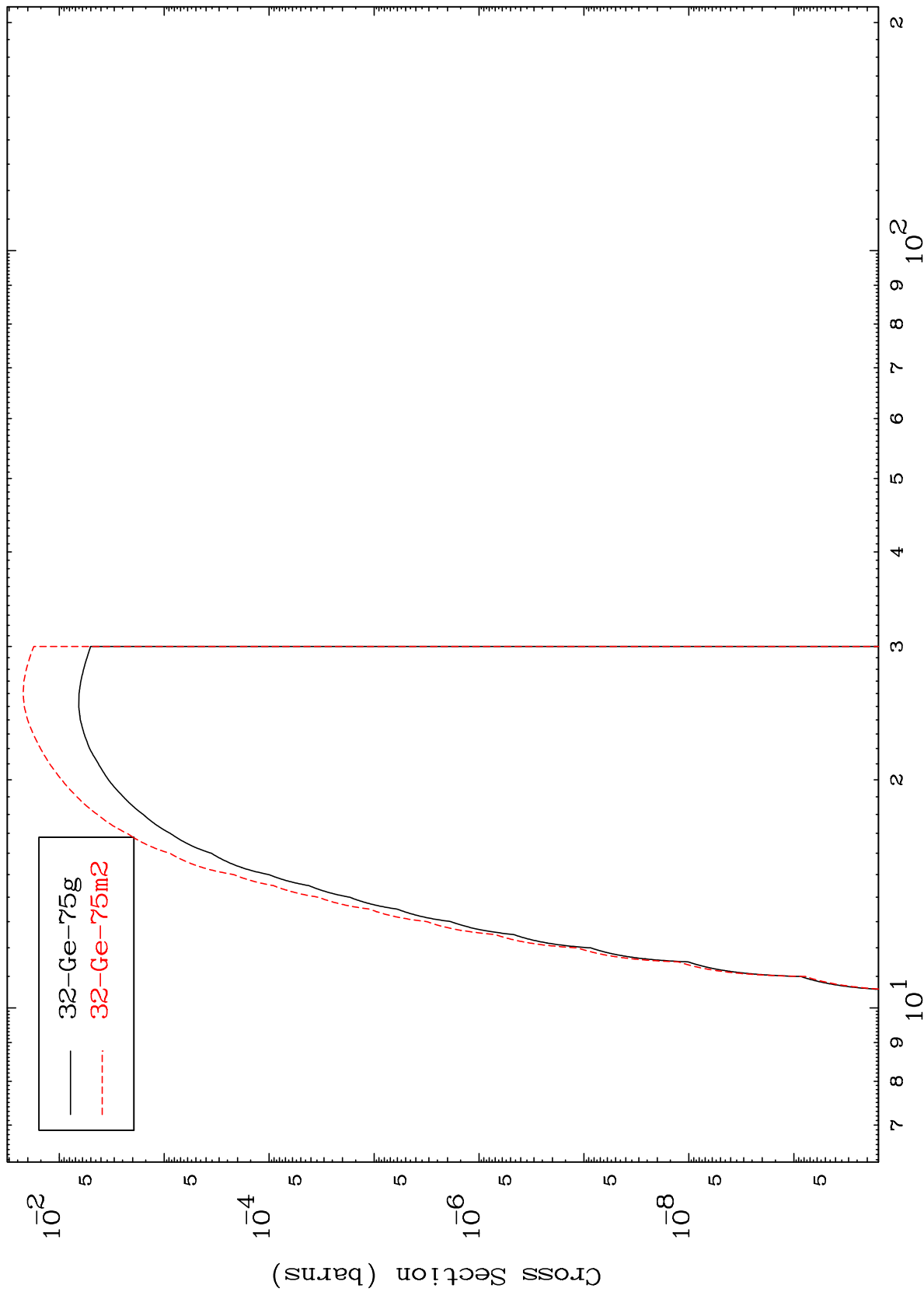
³⁴Se-79

MAT 3440

$(n, n') \alpha$

$^{34}\text{Se-79}$

Radionuclide Production Cross Section



122

Incident Energy (MeV)

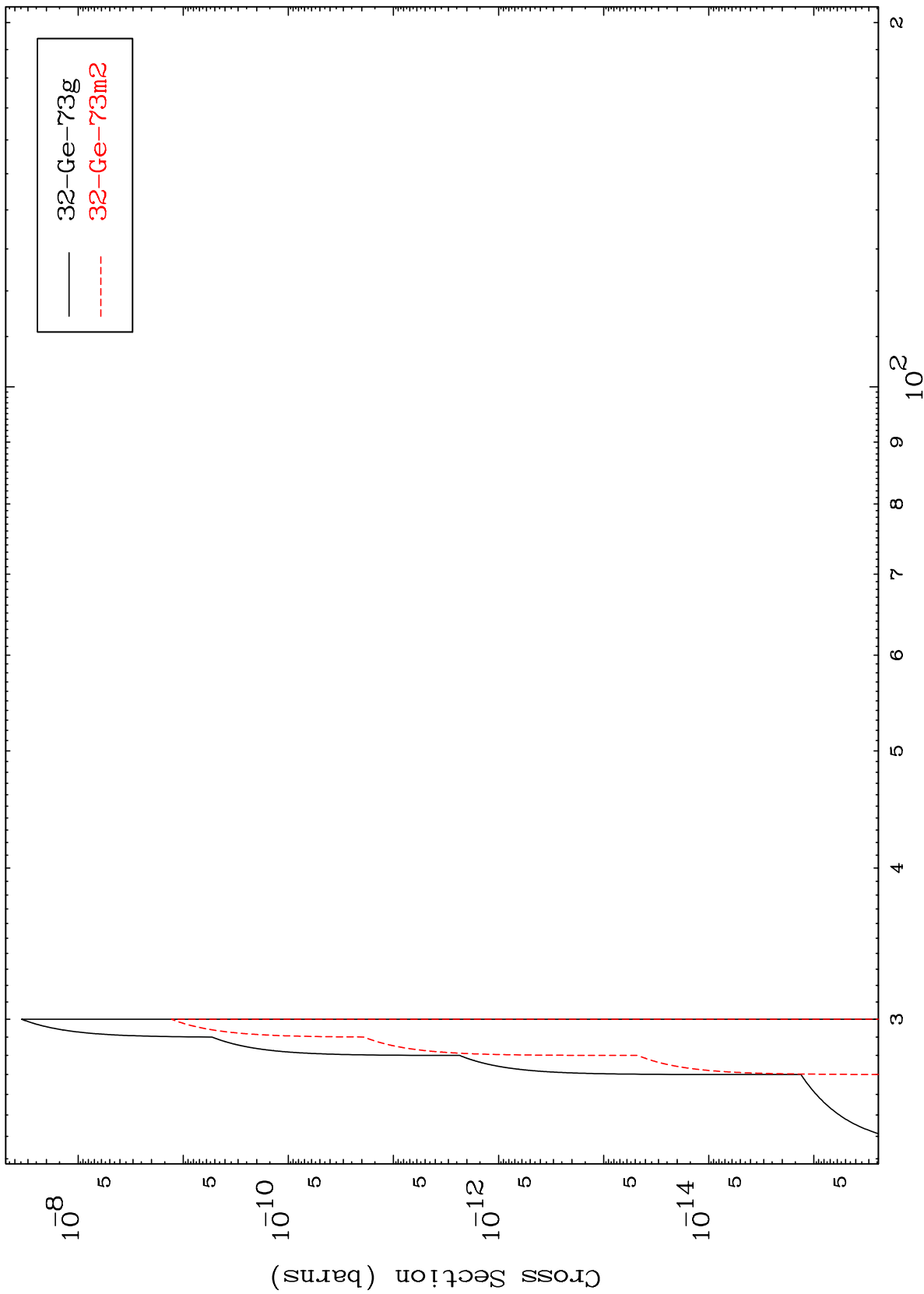
$^{34}\text{Se-79}$

MAT 3440

(n,3n) α

34-^{Se-79}

Radionuclide Production Cross Section



123

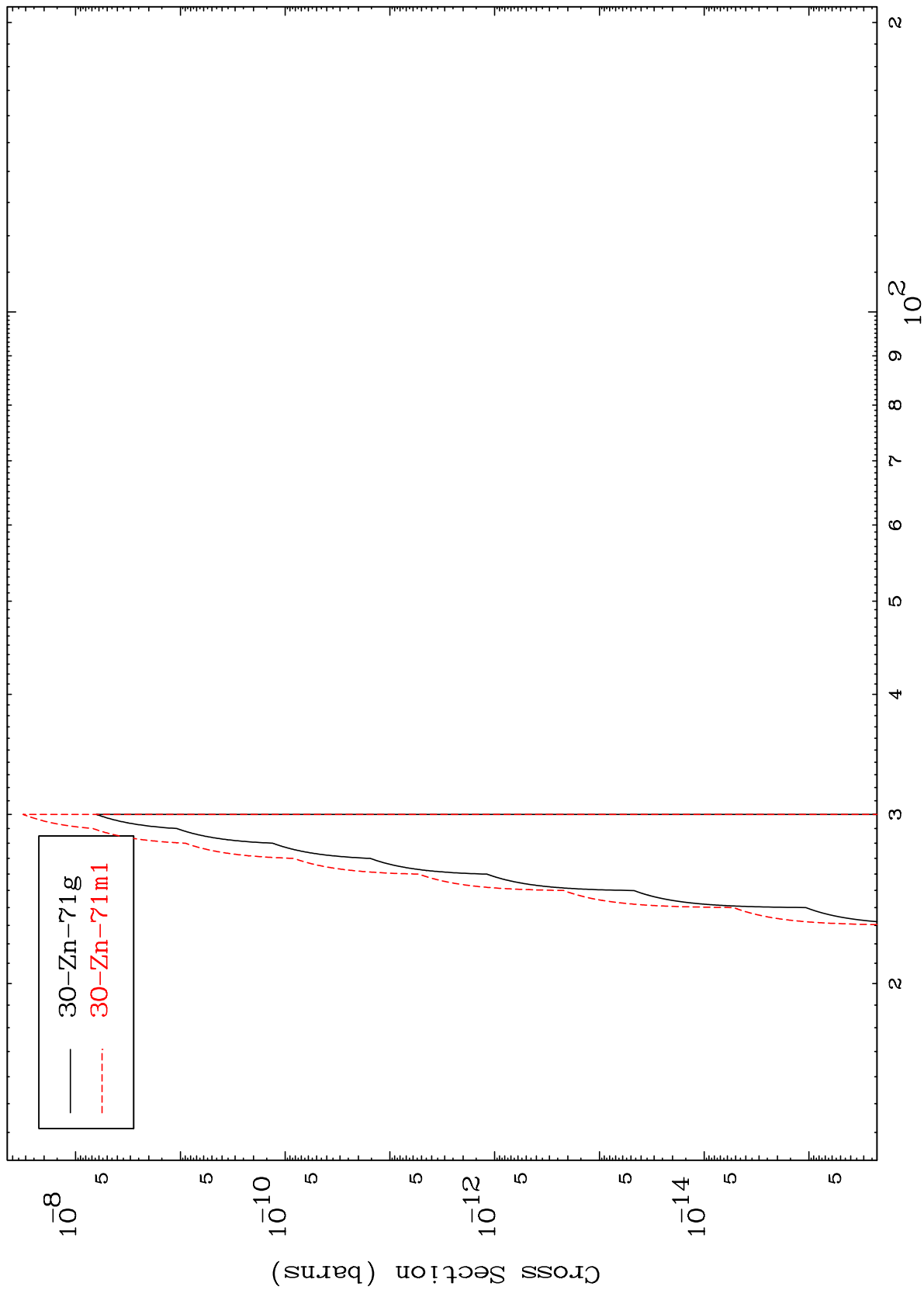
Incident Energy (MeV)

34-^{Se-79}

MAT 3440

34-Se-79

(n,n') 2α
Radionuclide Production Cross Section



34-Se-79

Incident Energy (MeV)

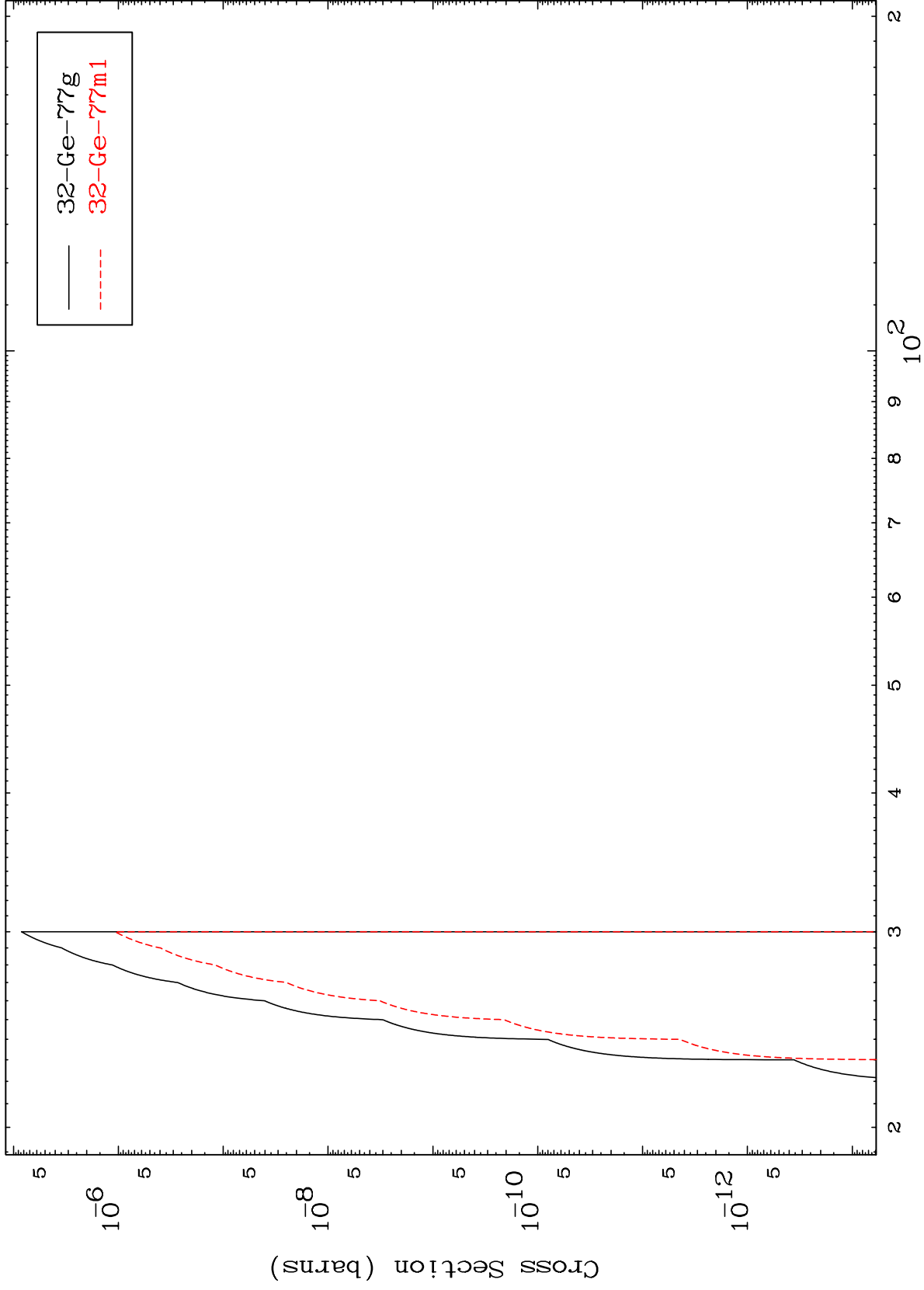
124

MAT 3440

(n,2n) p

³⁴Se-79

Radionuclide Production Cross Section

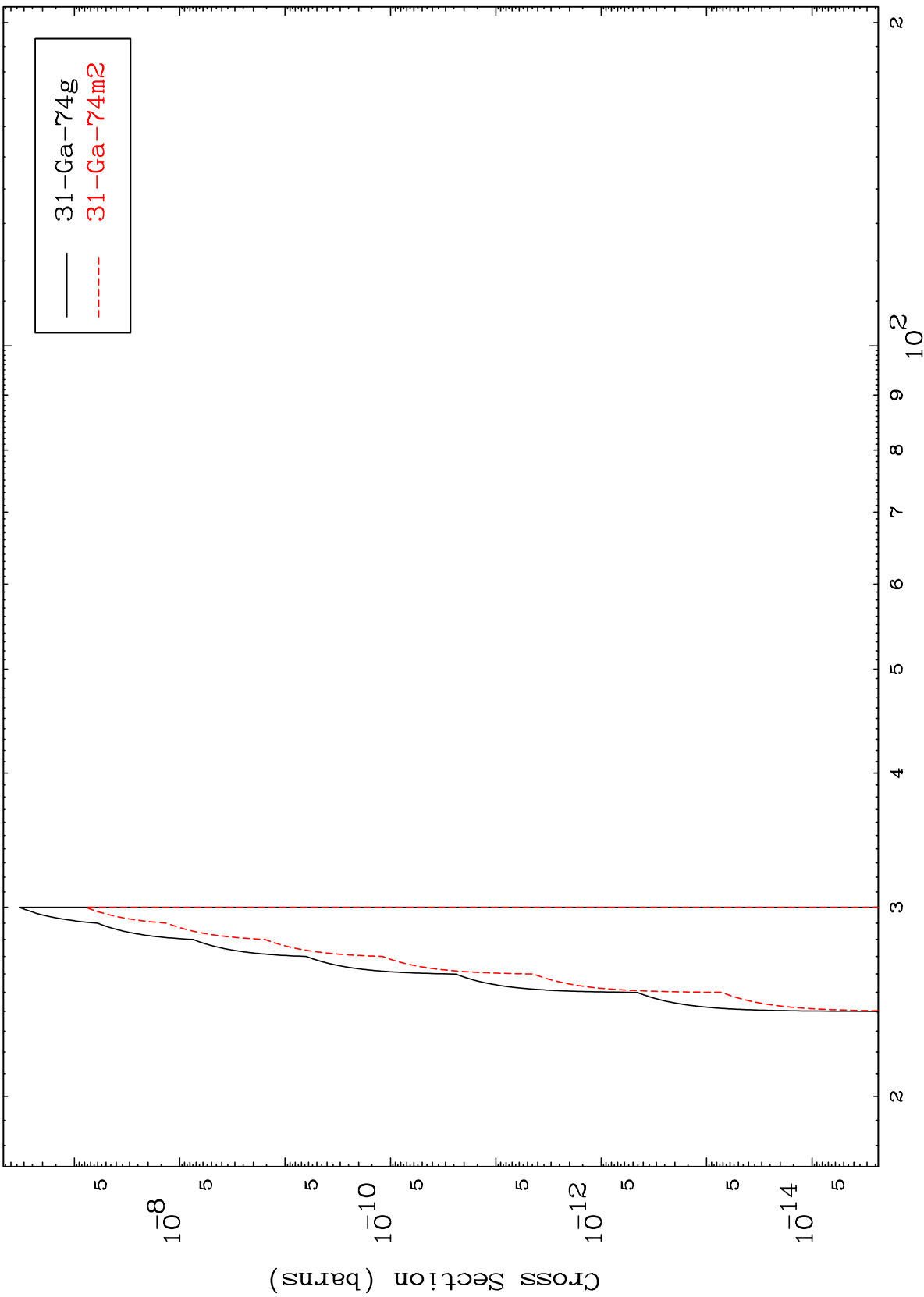


125

Incident Energy (MeV)

³⁴Se-79

Radionuclide Production Cross Section

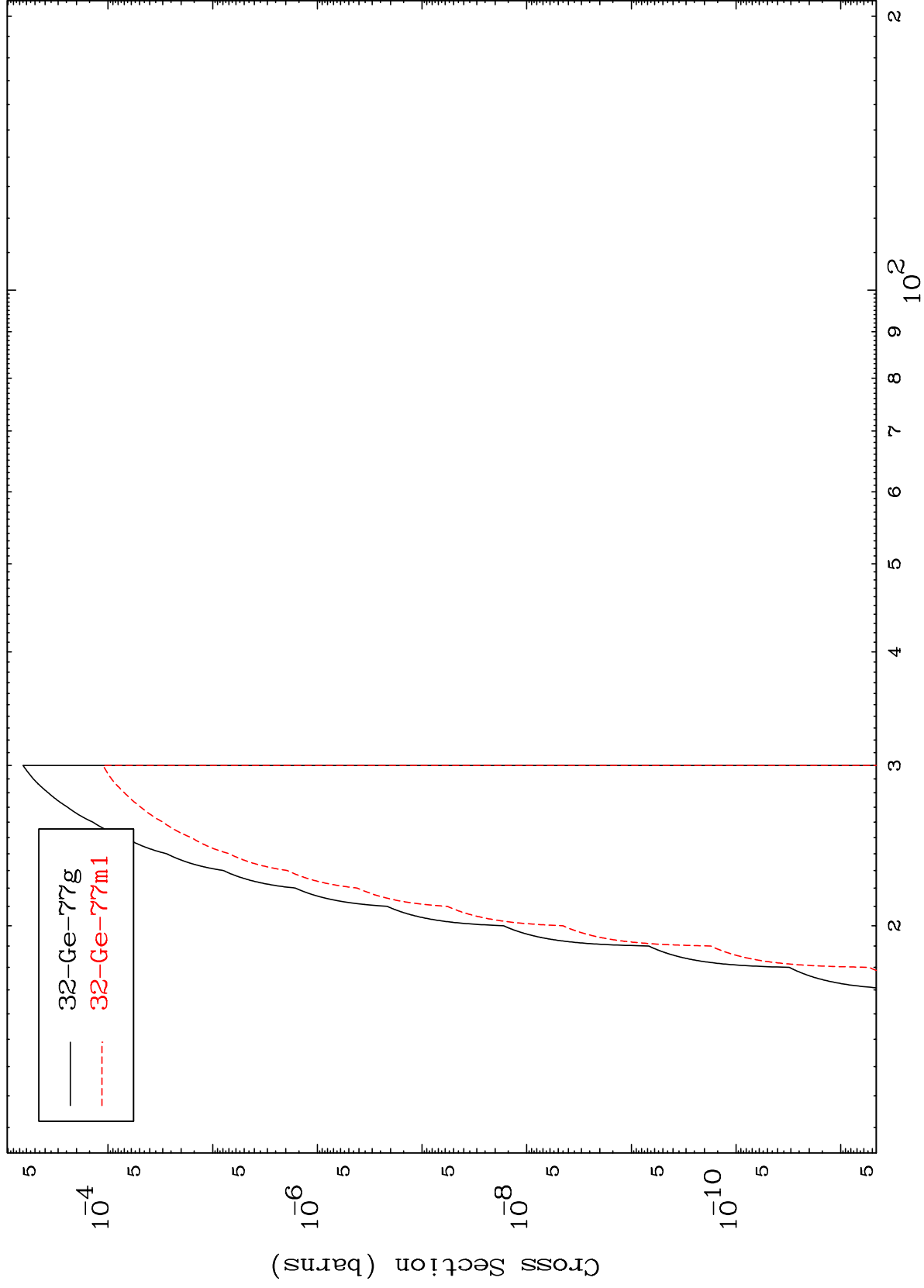


MAT 3440

(n,He-3)

34-^{Se-79}

Radionuclide Production Cross Section



127

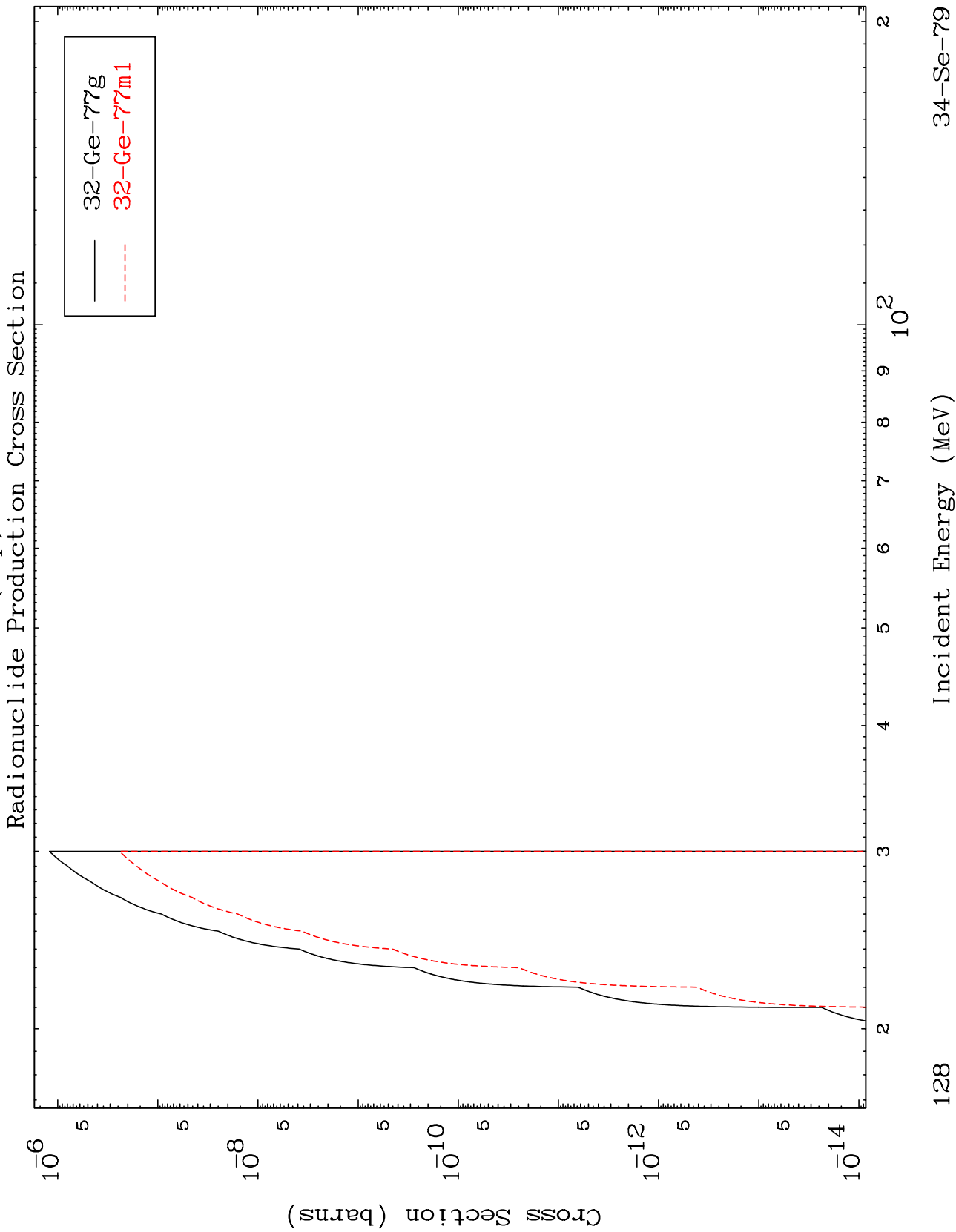
Incident Energy (MeV)

34-^{Se-79}

MAT 3440

(n,p) d

³⁴Se-79



Radionuclide Production Cross Section

