

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

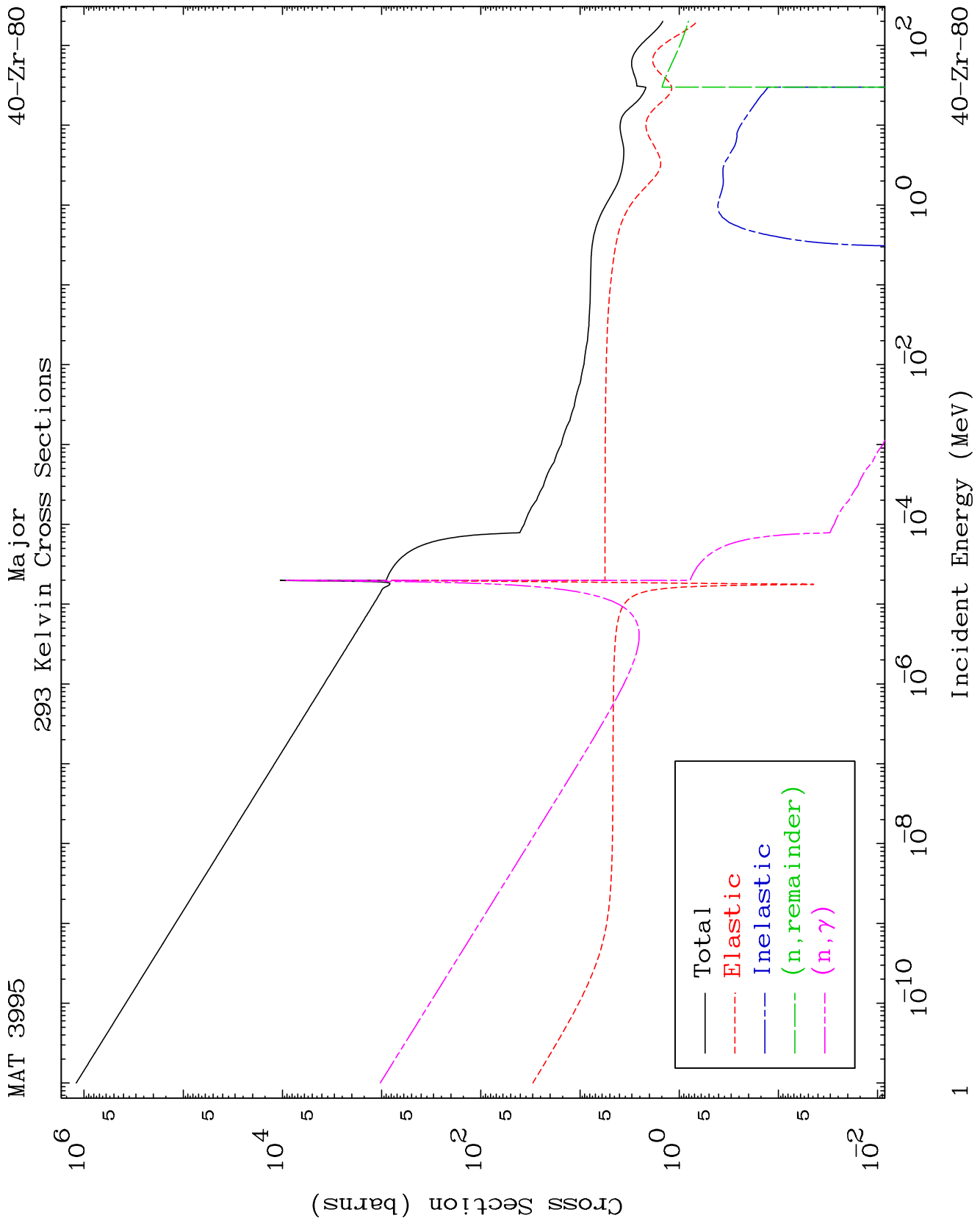
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Web: redcullen1.net/HOMEPAGE.NEW

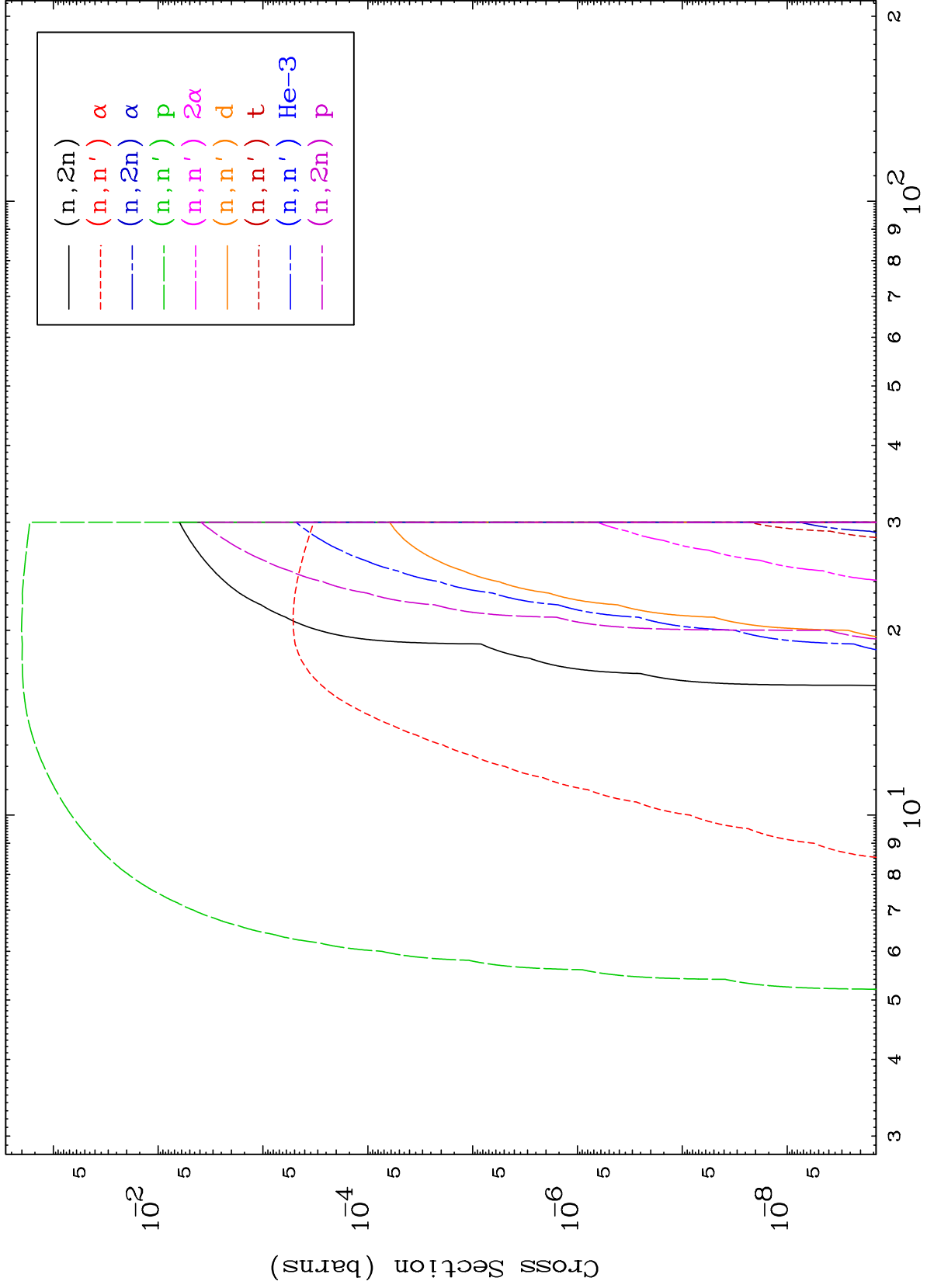
Press Mouse Button to Start



MAT 3995

Neutron Production
293 Kelvin Cross Sections

40-Zr-80



40-Zr-80

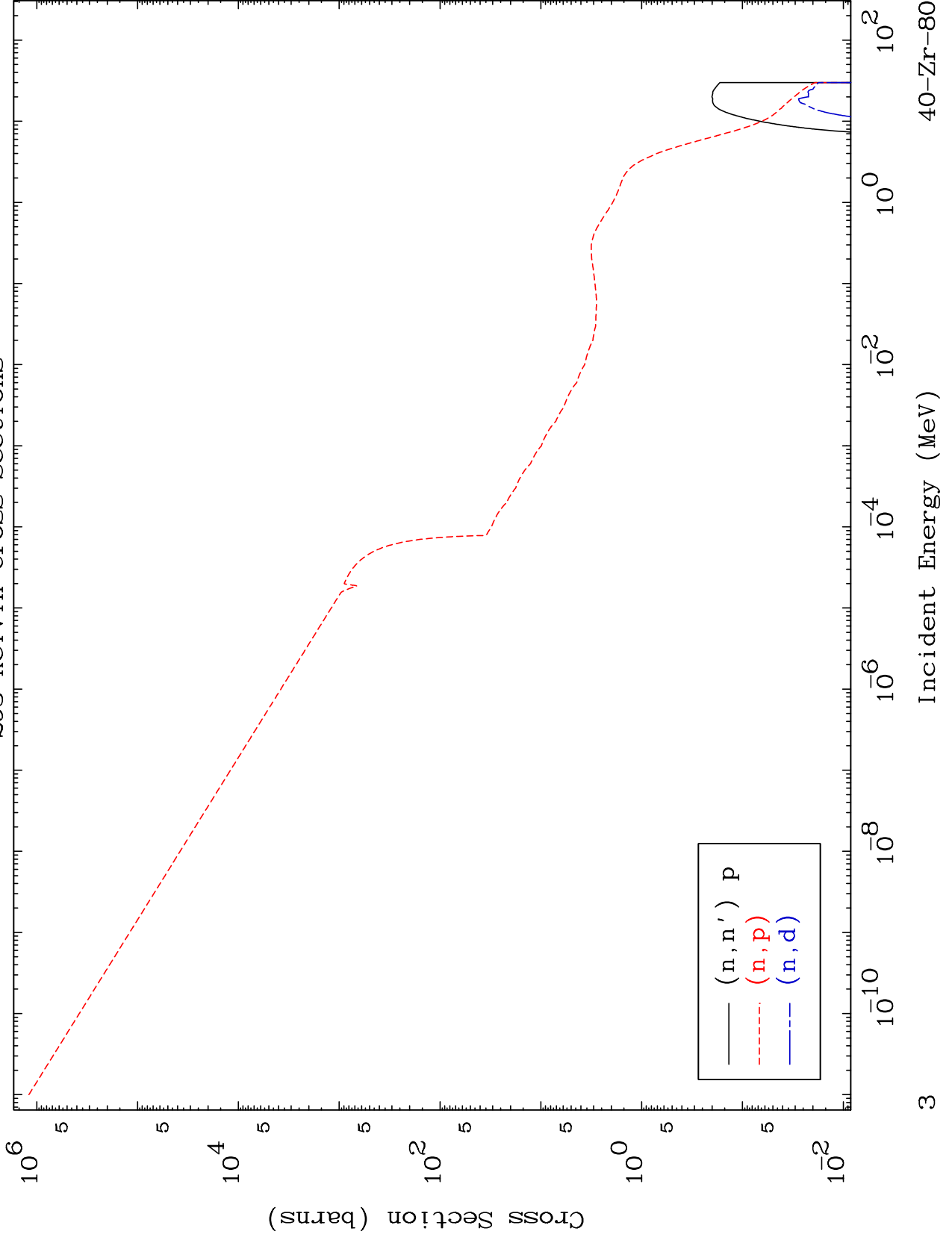
Incident Energy (MeV)

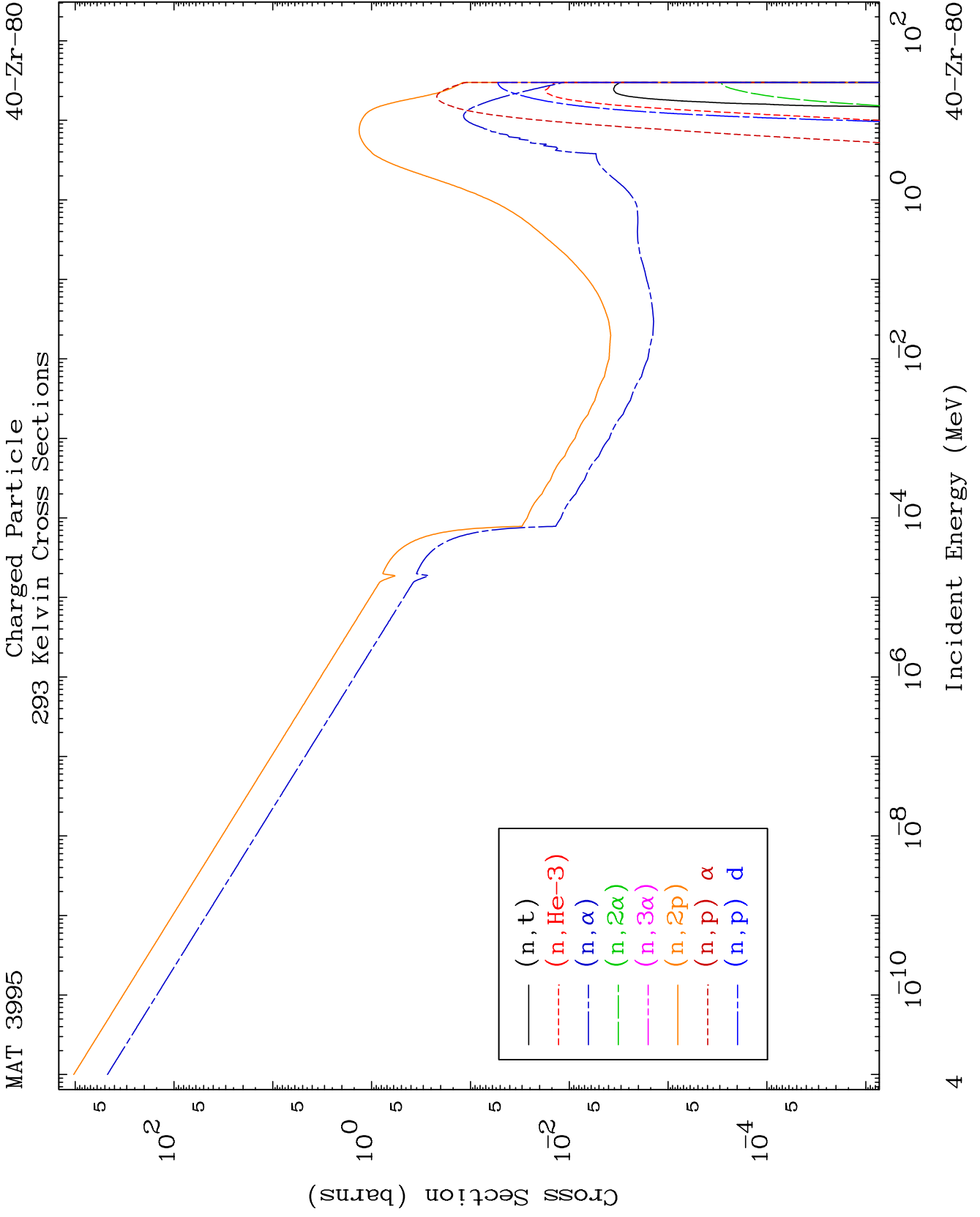
2

MAT 3995

Charged Particle
293 Kelvin Cross Sections

40-Zr-80

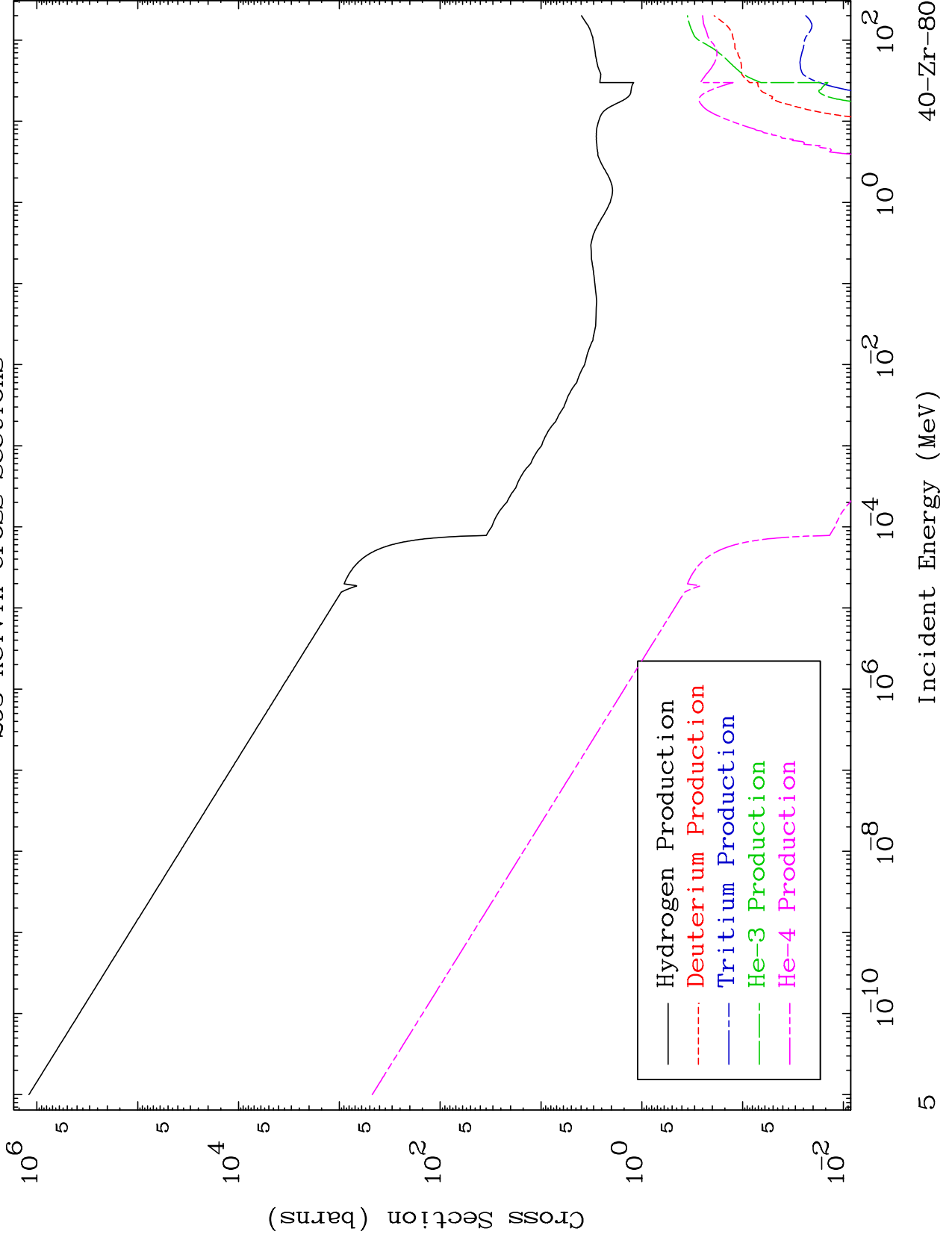




MAT 3995

Particle Production
293 Kelvin Cross Sections

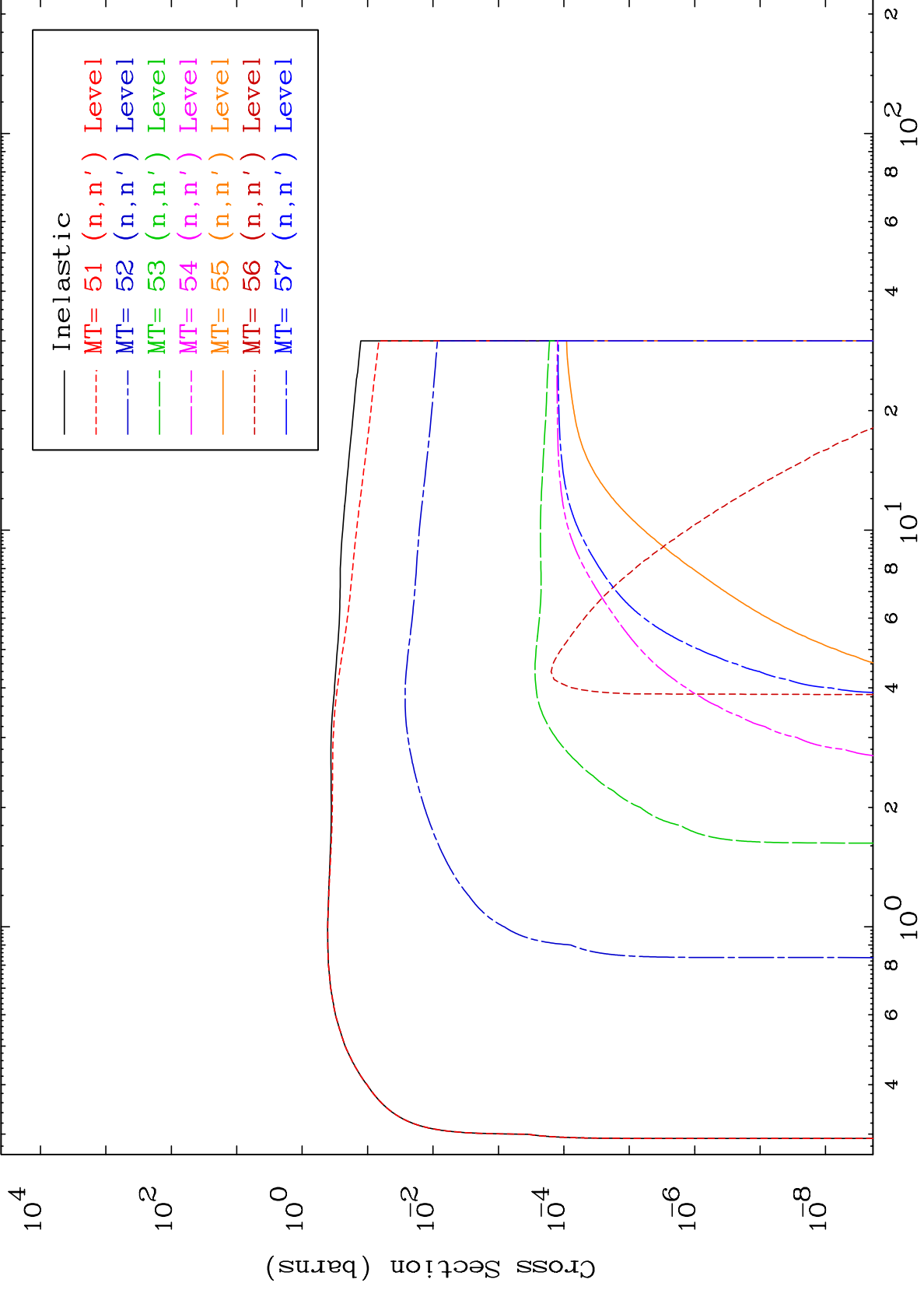
40-Zr-80



MAT 3995

(n,n') Level
293 Kelvin Cross Sections

40-Zr-80



6

Incident Energy (MeV)

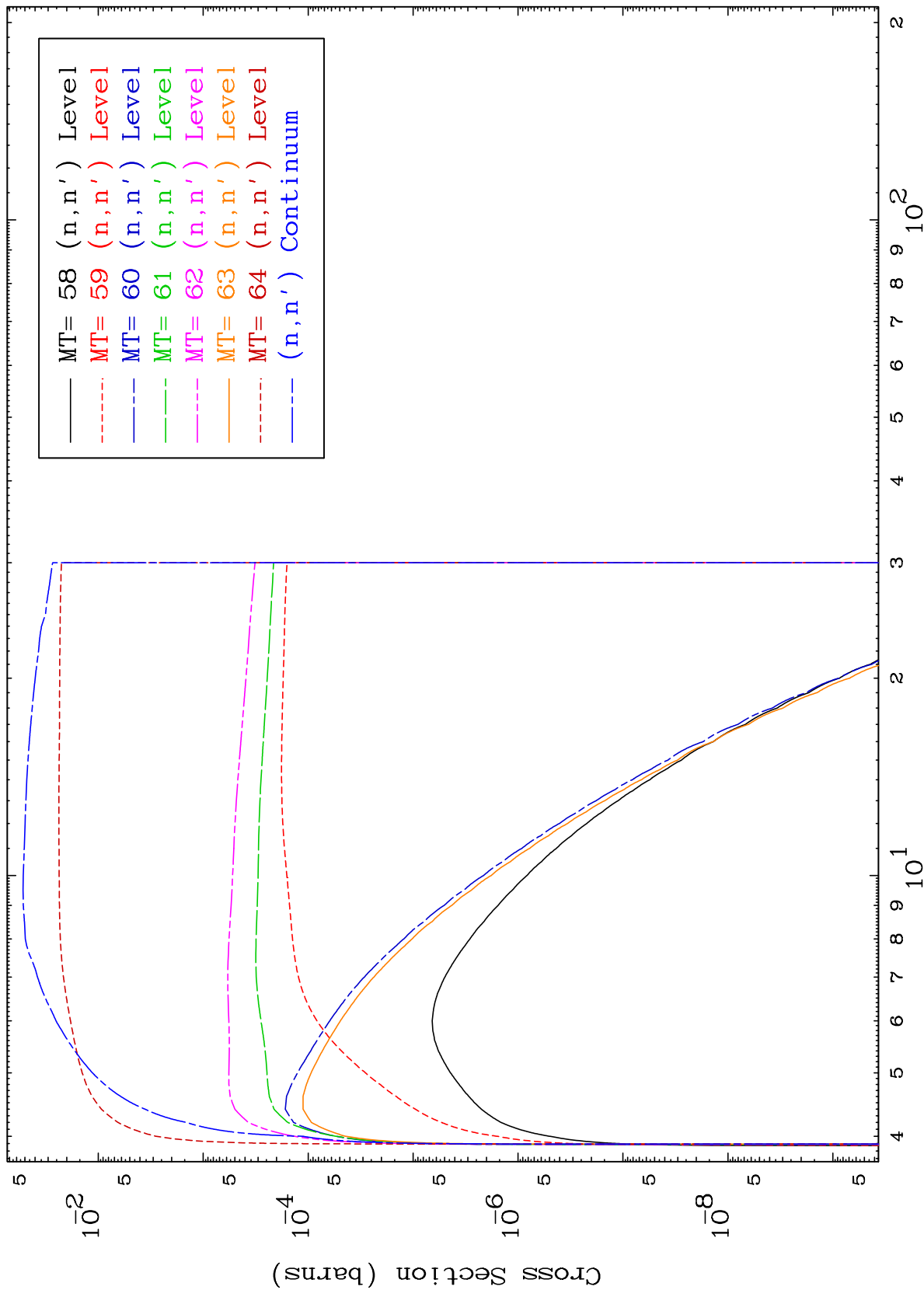
40-Zr-80

MAT 3995

(n,n') Level

40-Zr-80

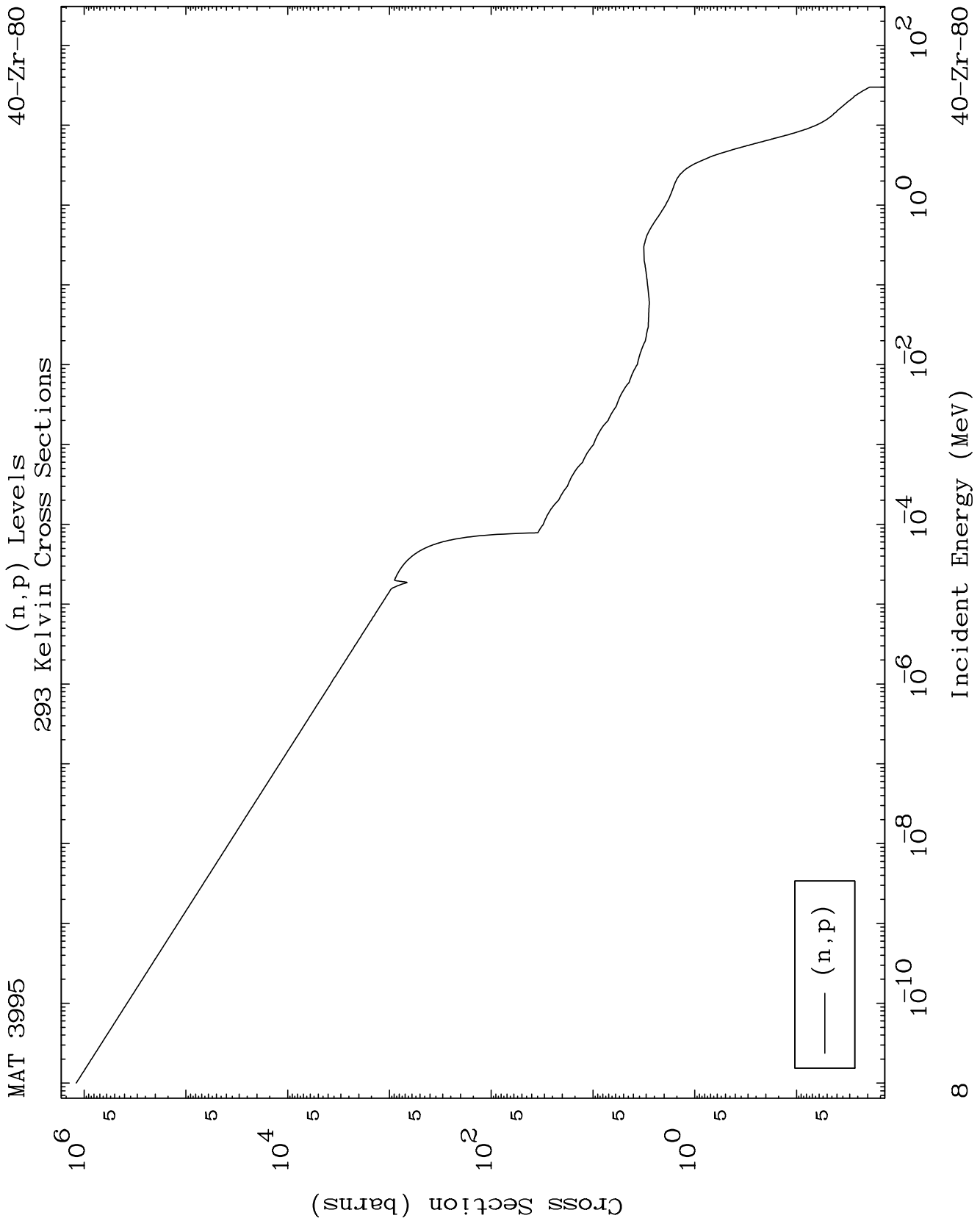
293 Kelvin Cross Sections



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Incident Energy (MeV)

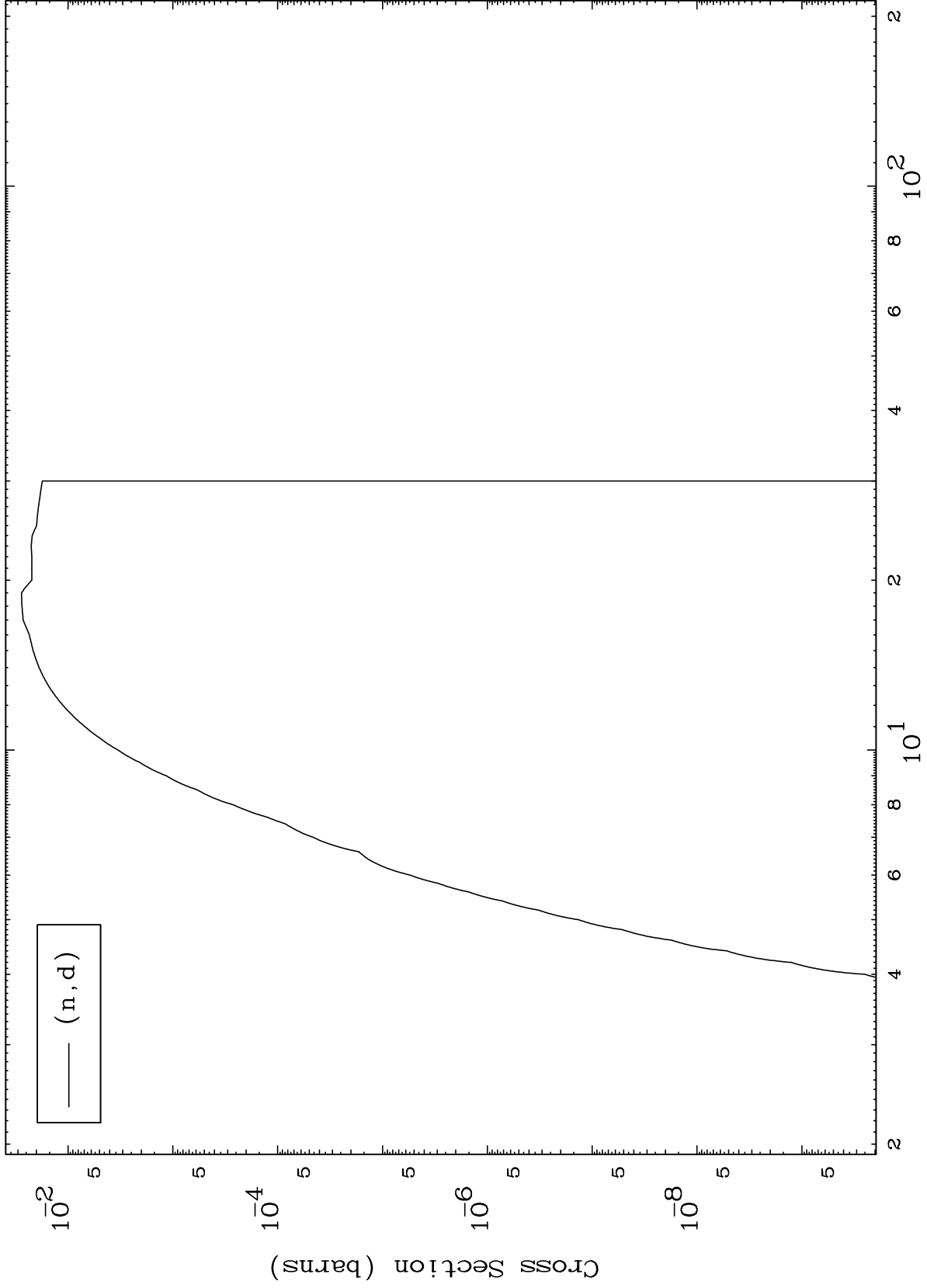
40-Zr-80



MAT 3995

(n,d) Levels
293 Kelvin Cross Sections

40-Zr-80



9

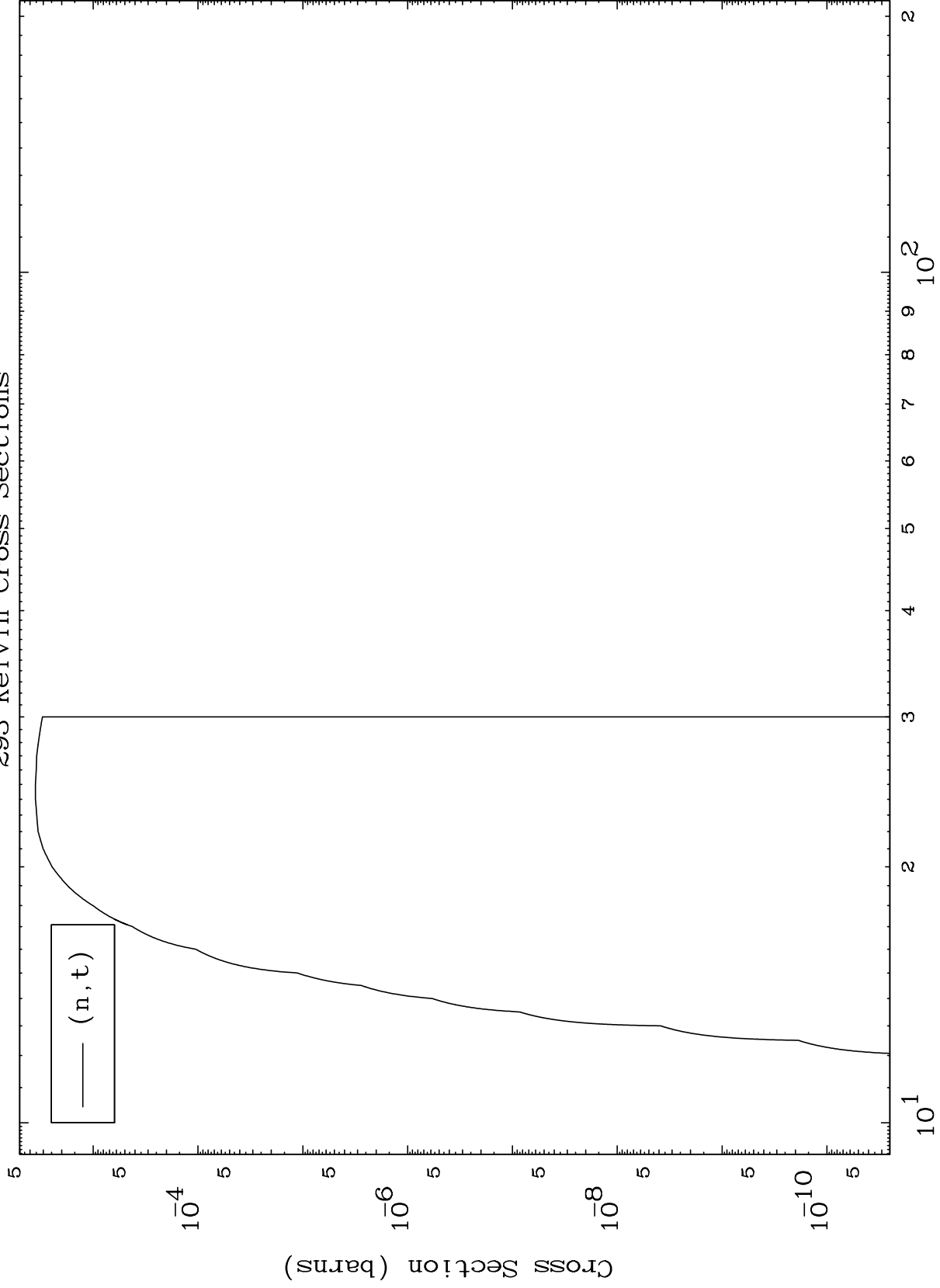
Incident Energy (MeV)

40-Zr-80

MAT 3995

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-80



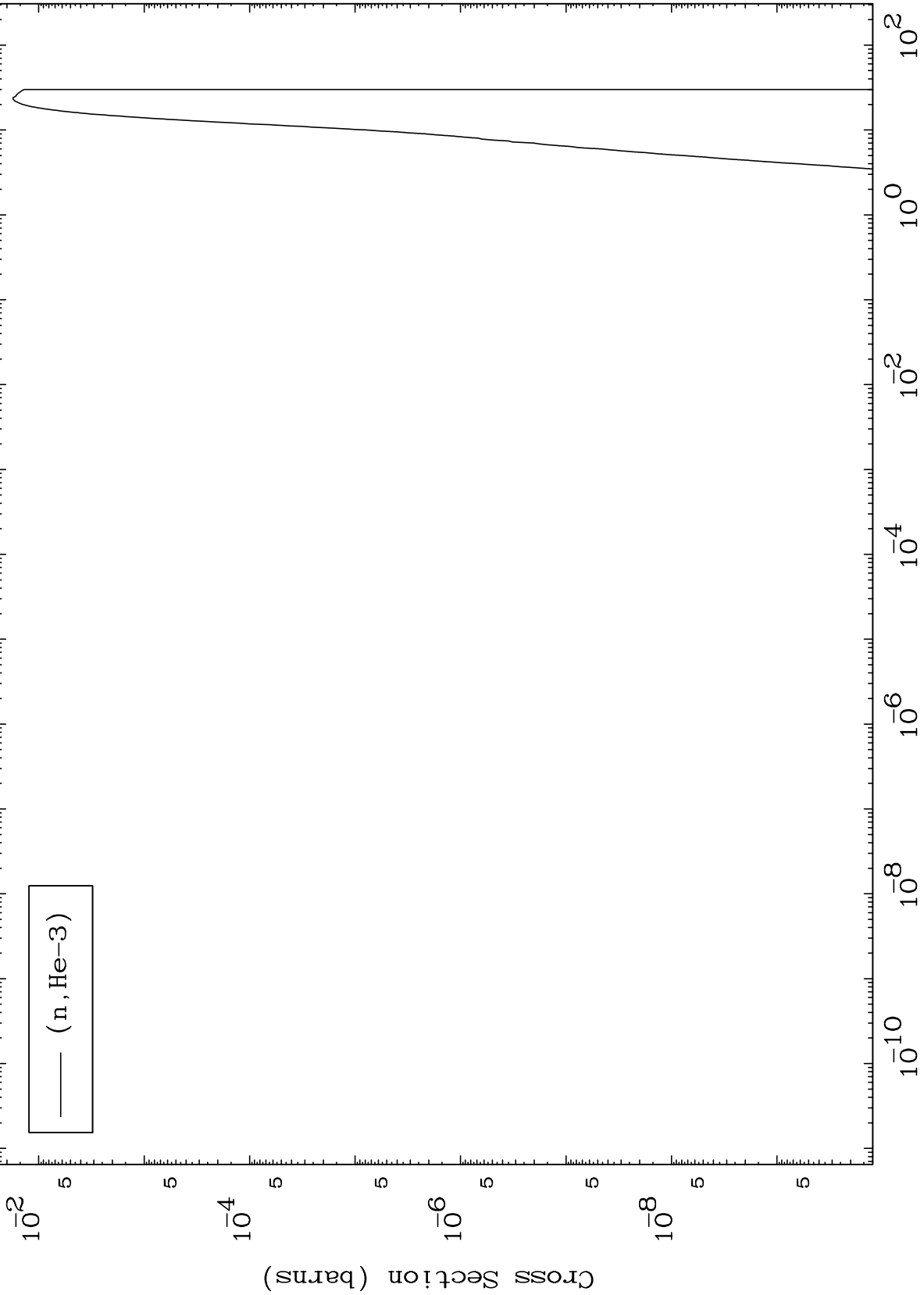
Incident Energy (MeV)

40-Zr-80

MAT 3995

(n,He3) Levels
293 Kelvin Cross Sections

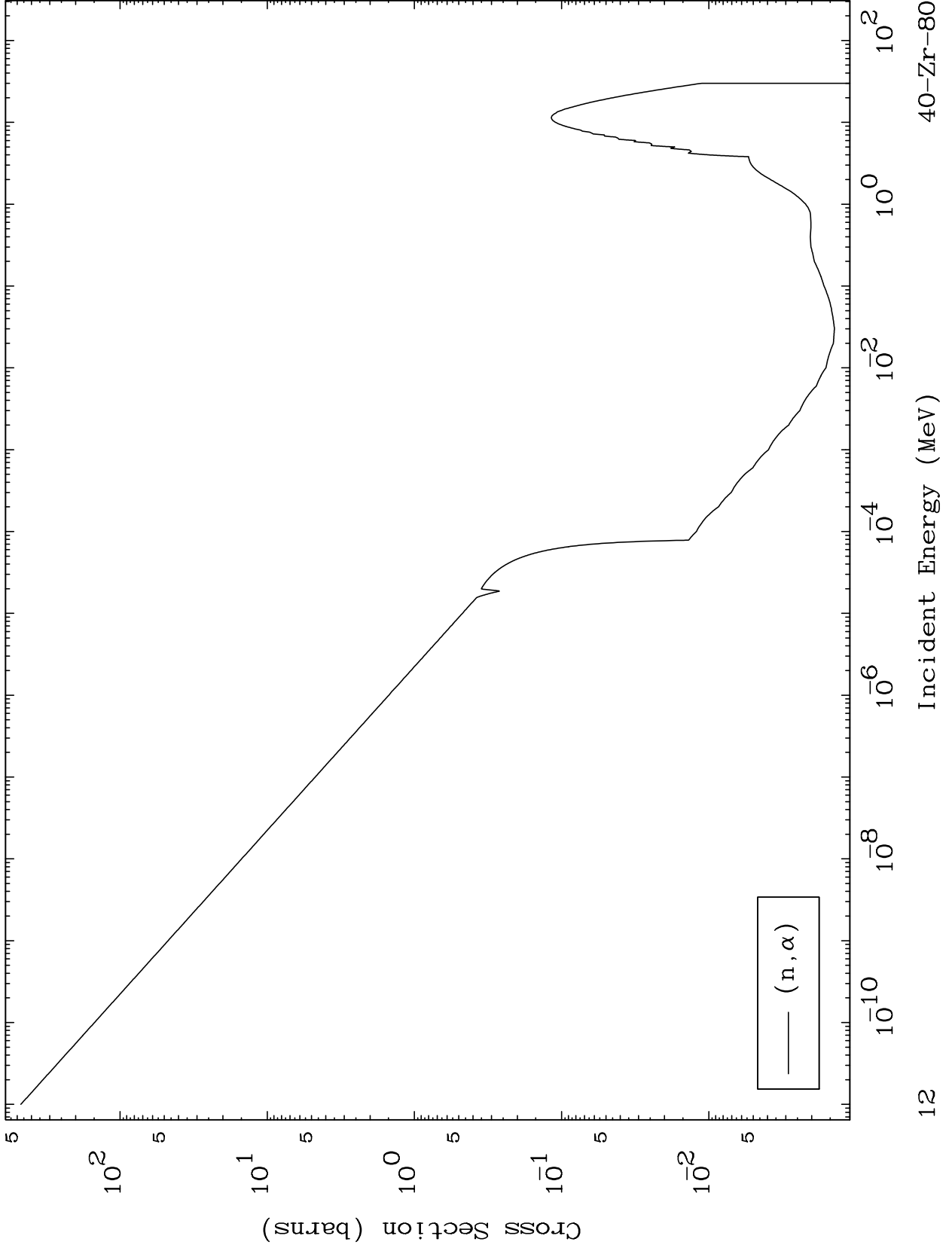
40-Zr-80

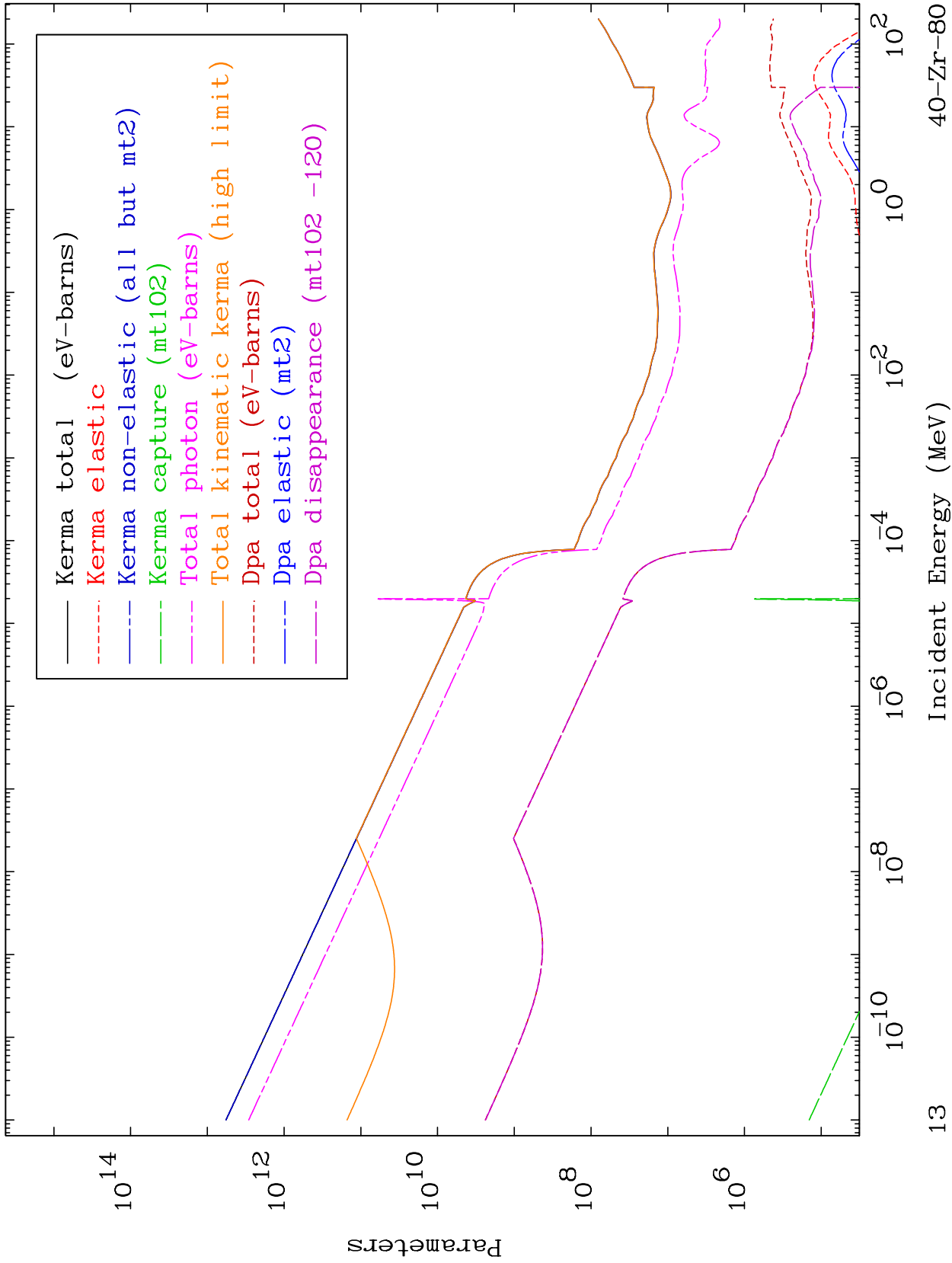


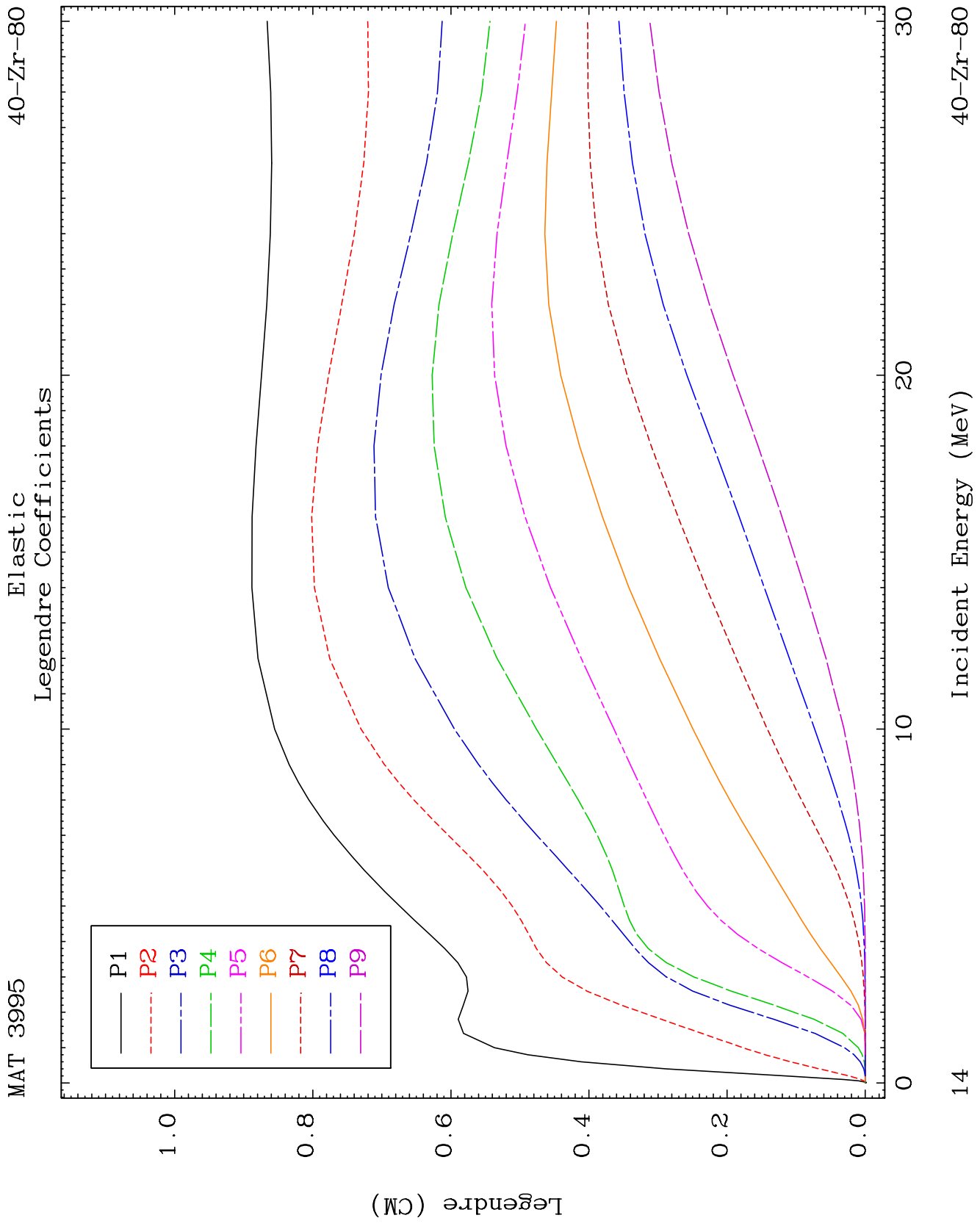
MAT 3995

(n,α) Levels
293 Kelvin Cross Sections

40-Zr-80







MAT 3995

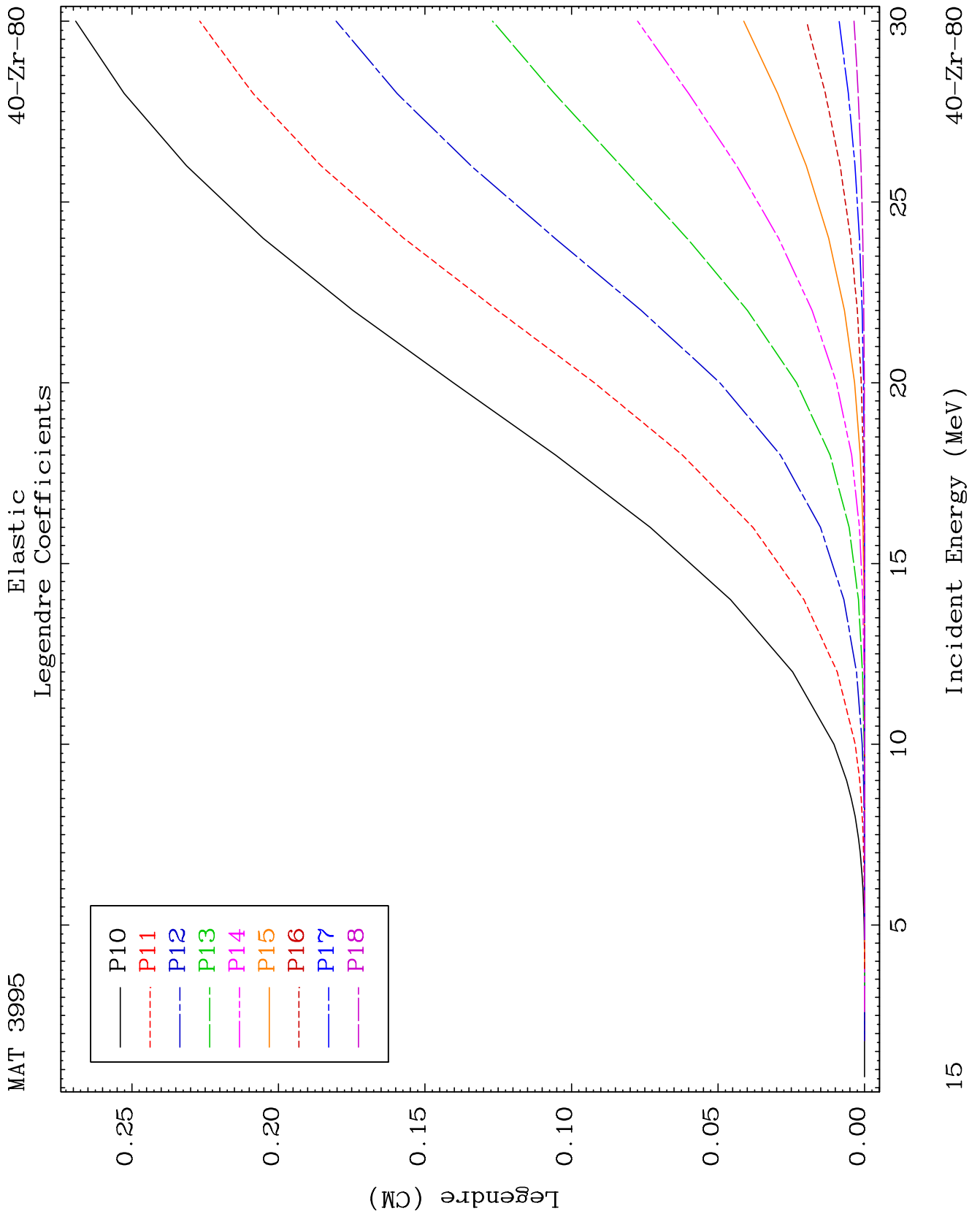
Elastic Legendre Coefficients

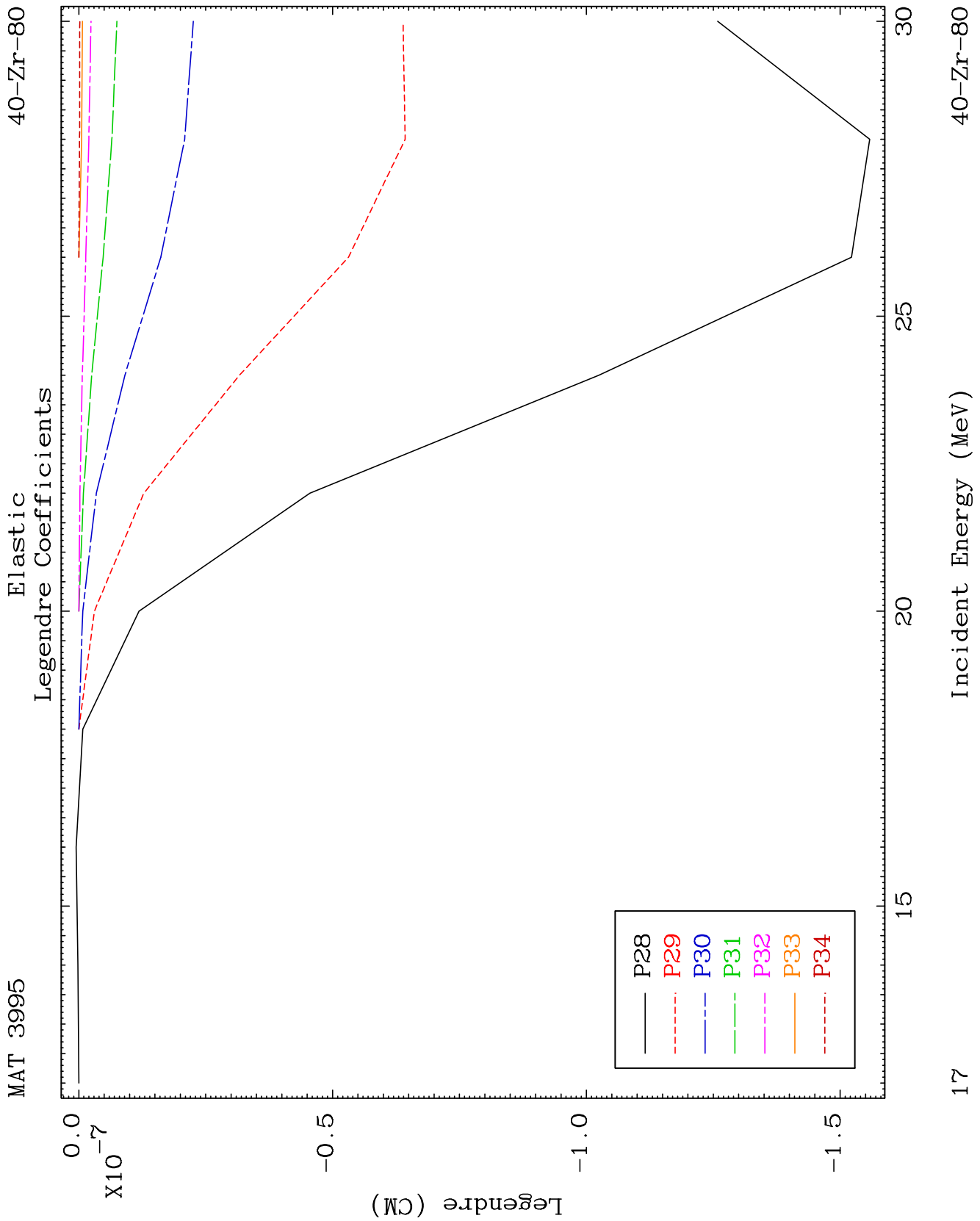
$^{40}\text{Zr-80}$

14

Incident Energy (MeV)

$^{40}\text{Zr-80}$

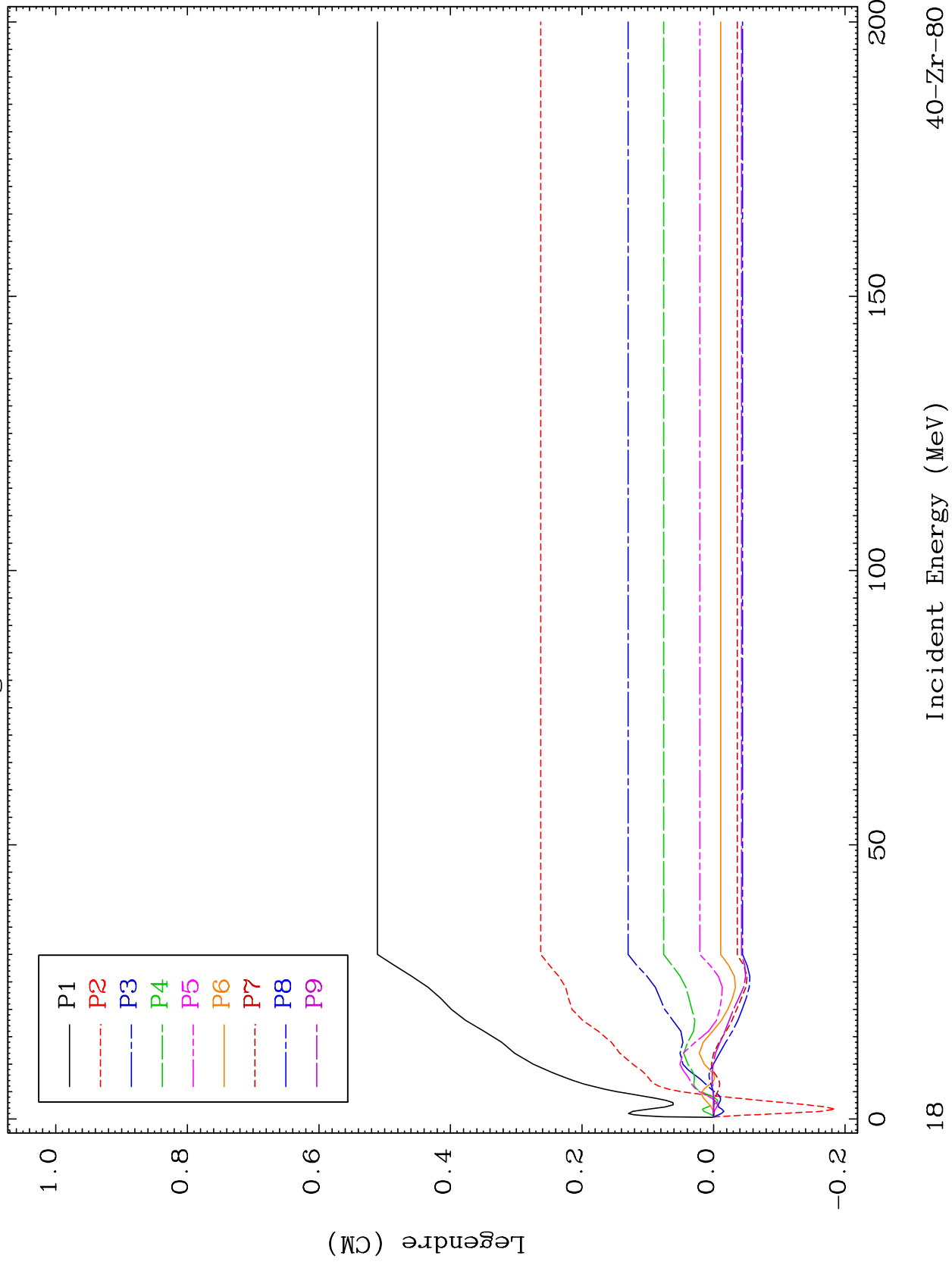




MAT 3995

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

40-Zr-80



18

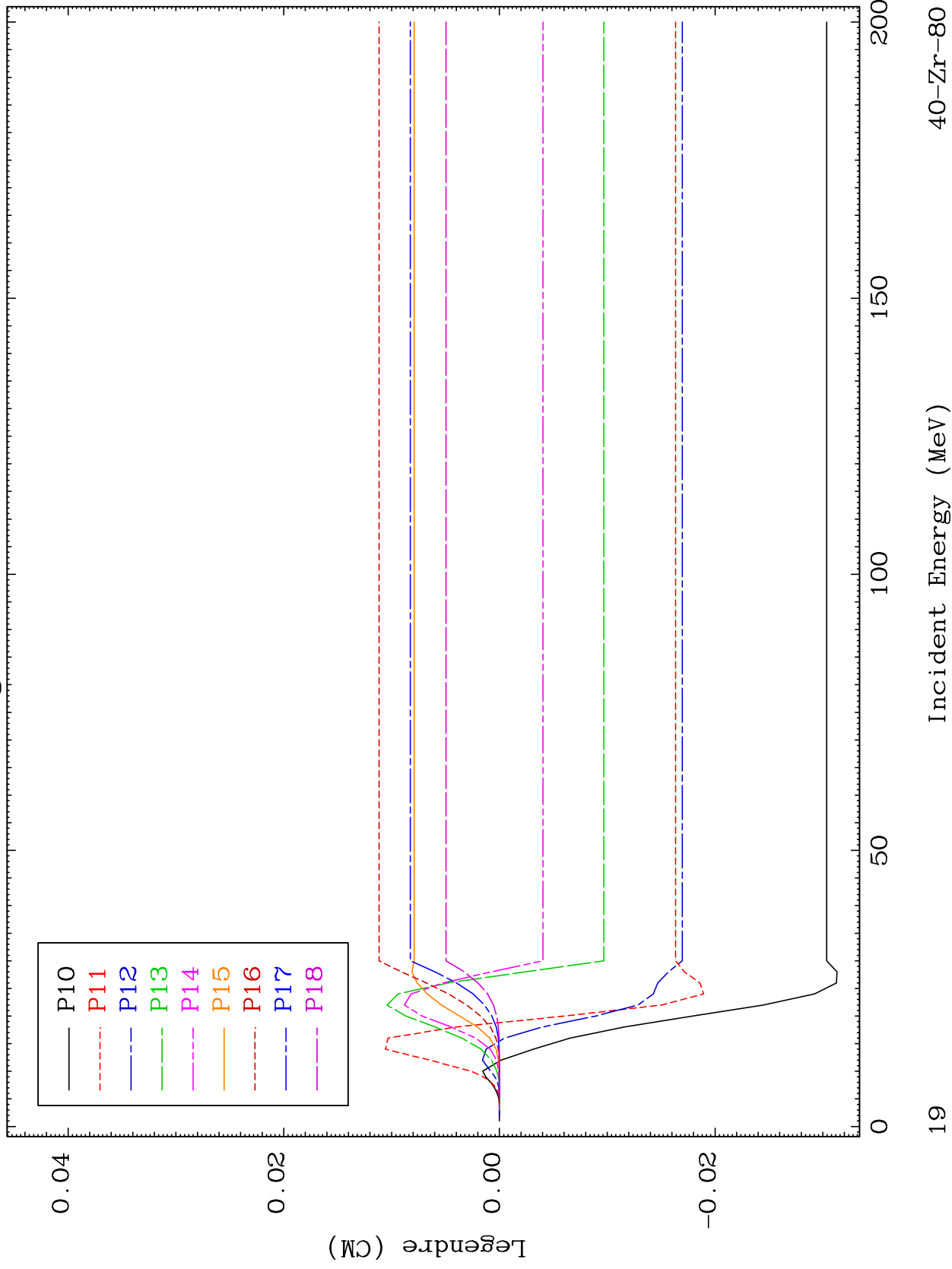
Incident Energy (MeV)

40-Zr-80

MAT 3995

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

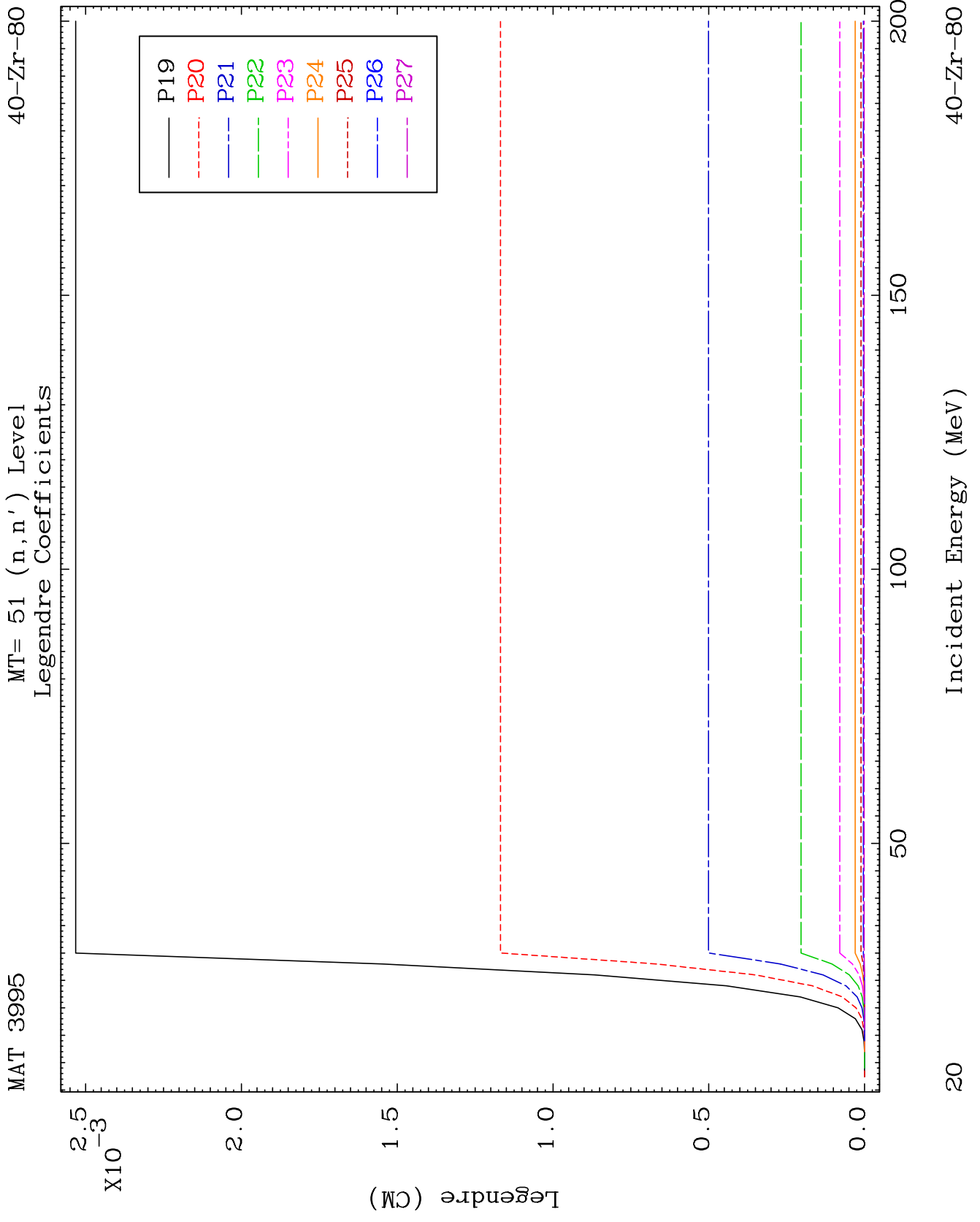
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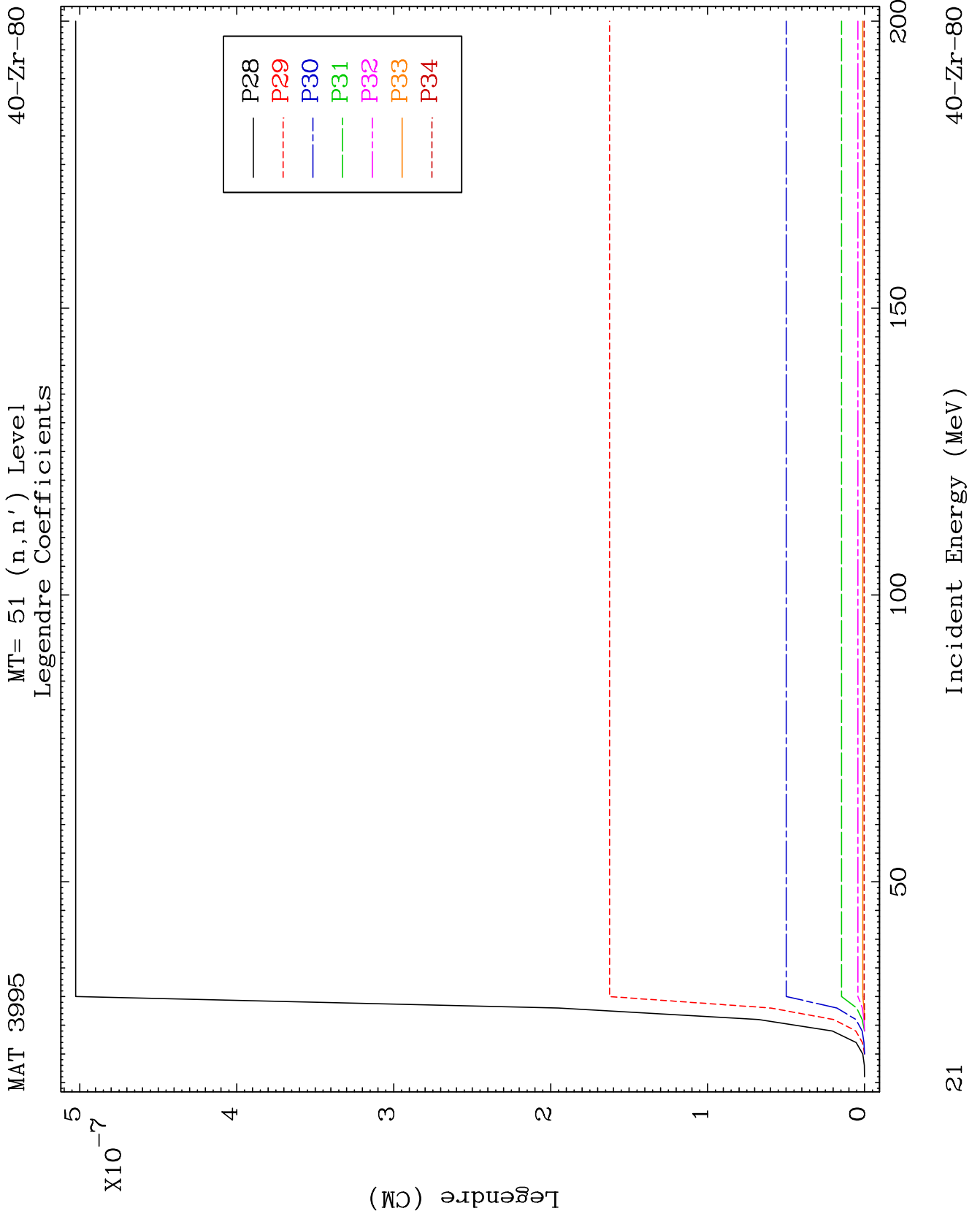


19

Incident Energy (MeV)

40-Zr-80

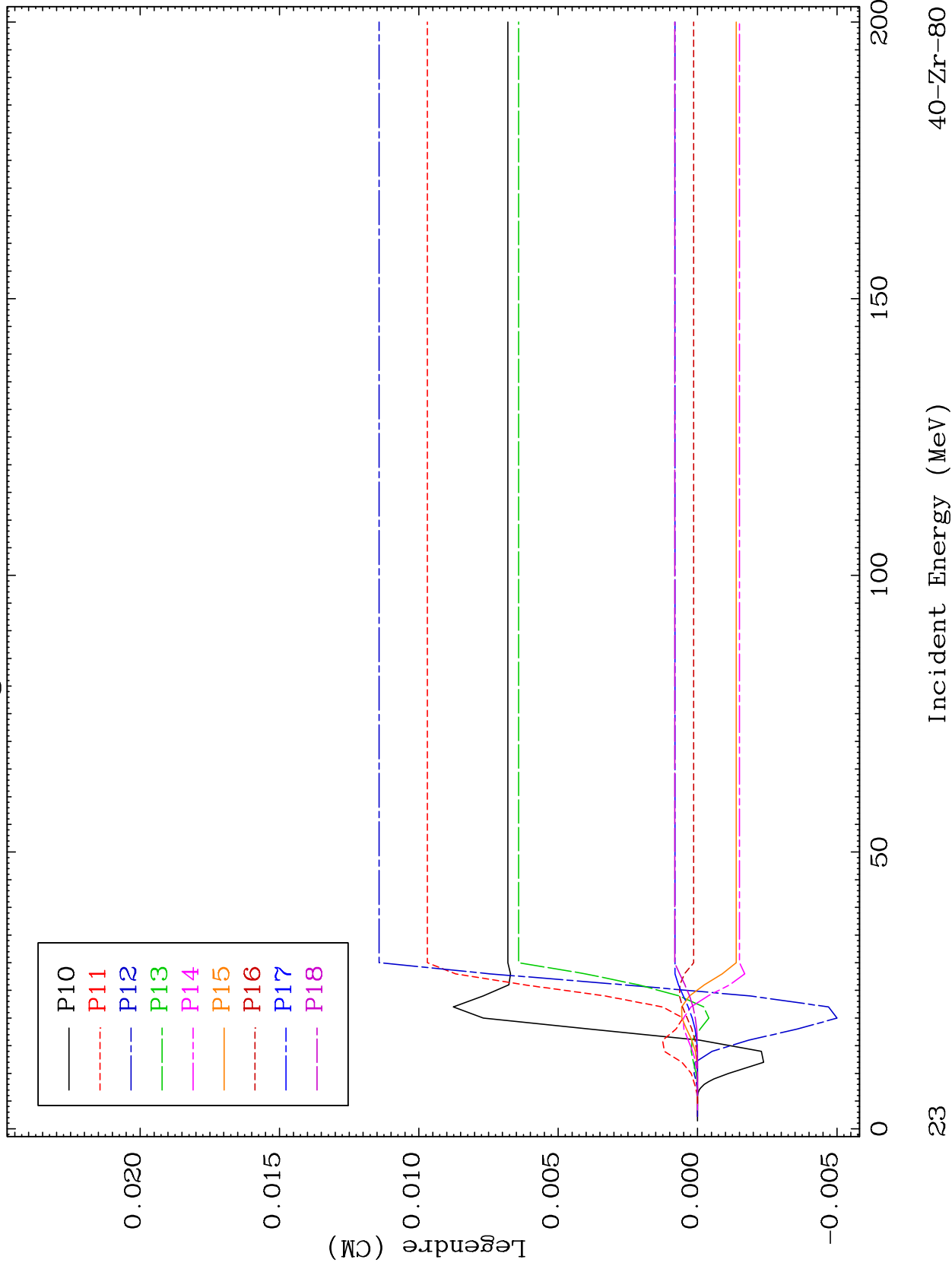


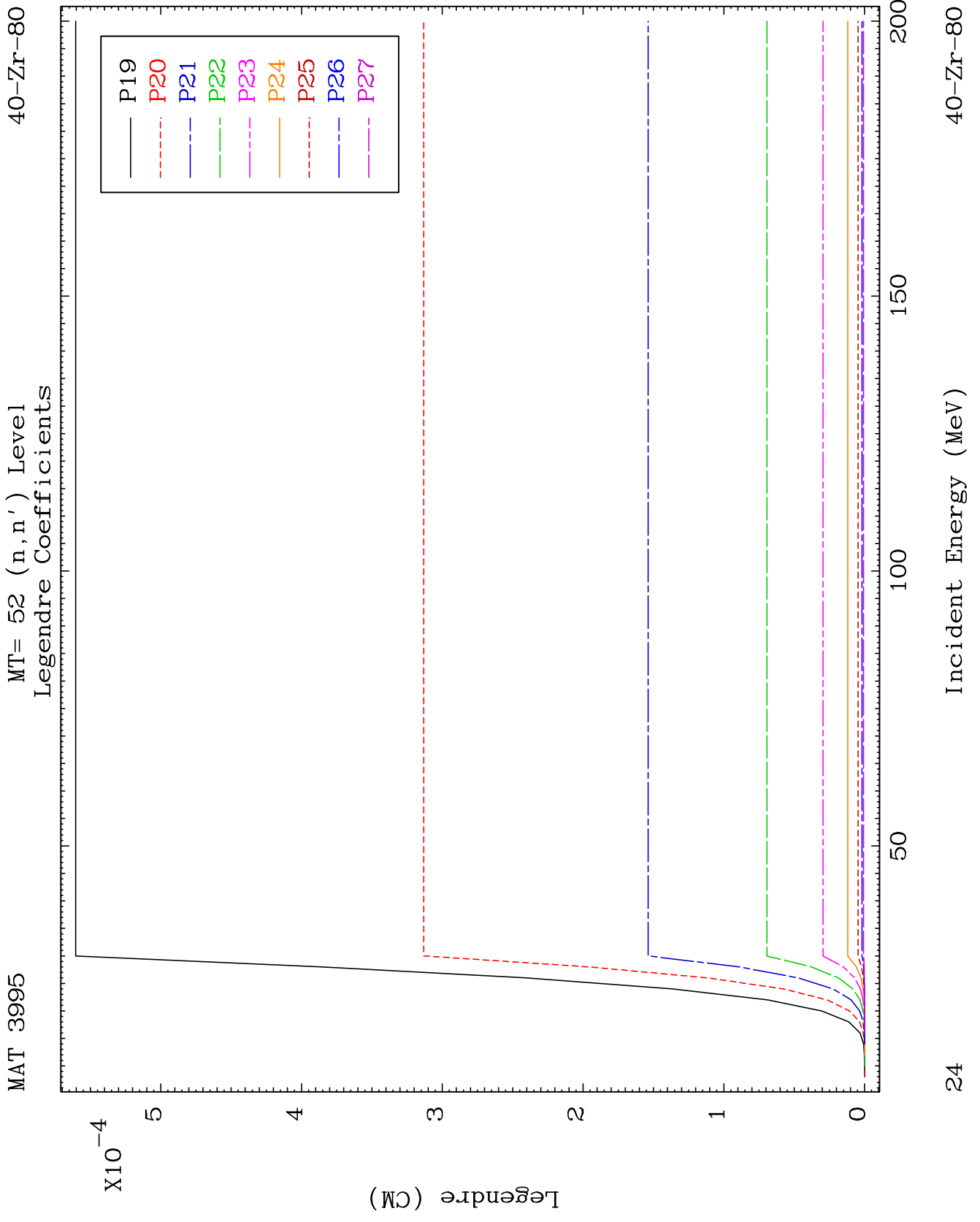


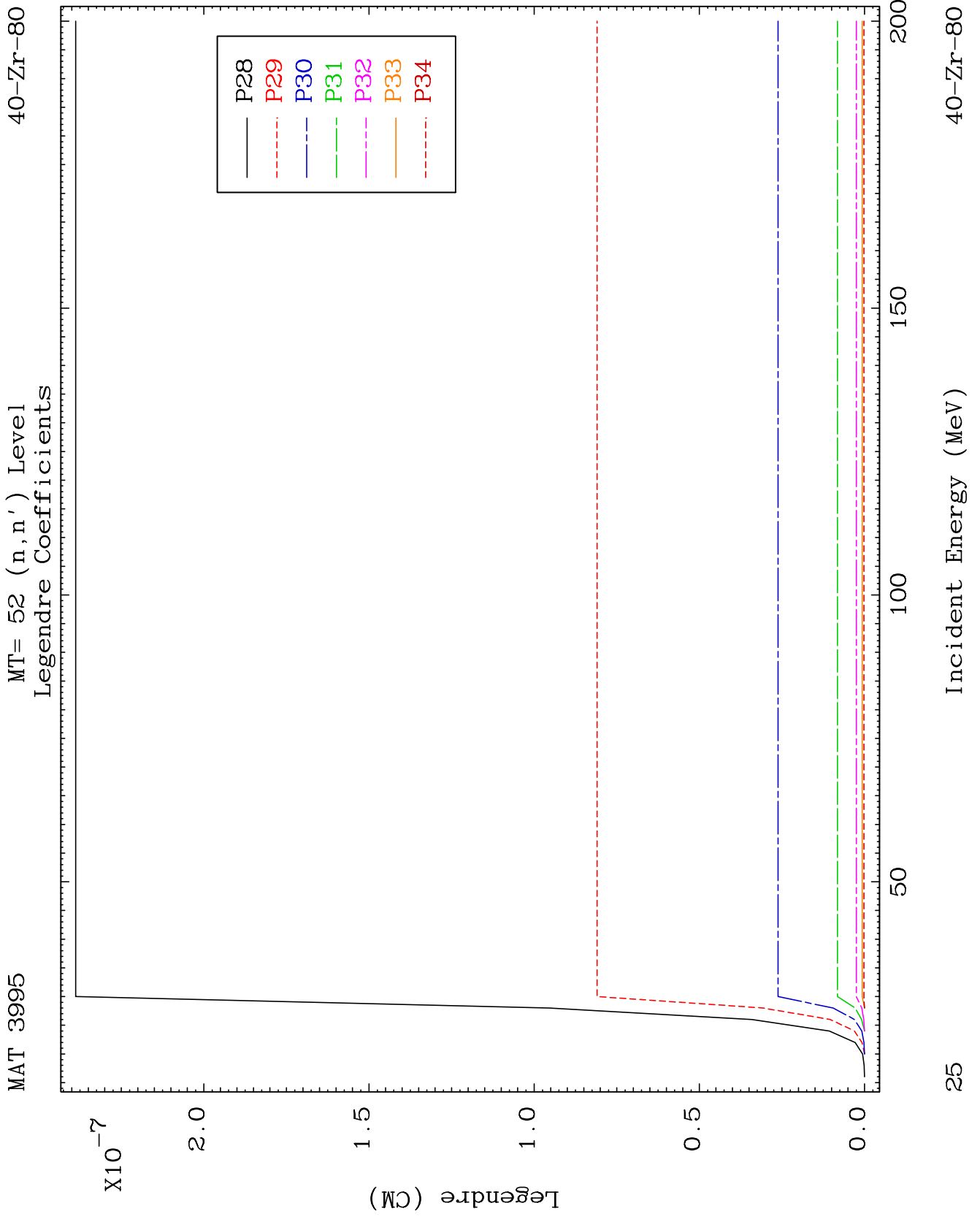
MAT 3995

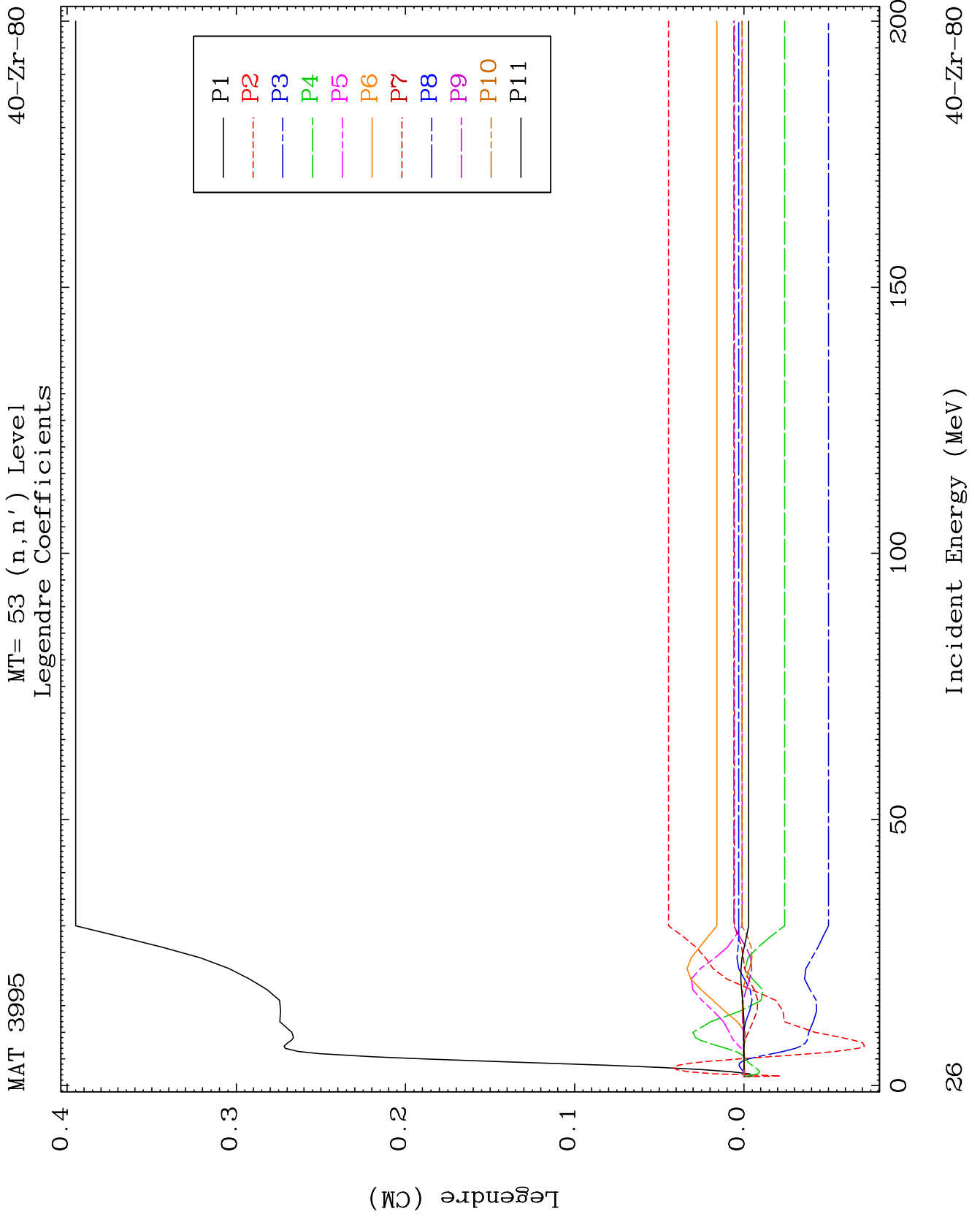
MT= 52 (n,n') Level
Legendre Coefficients

40-Zr-80





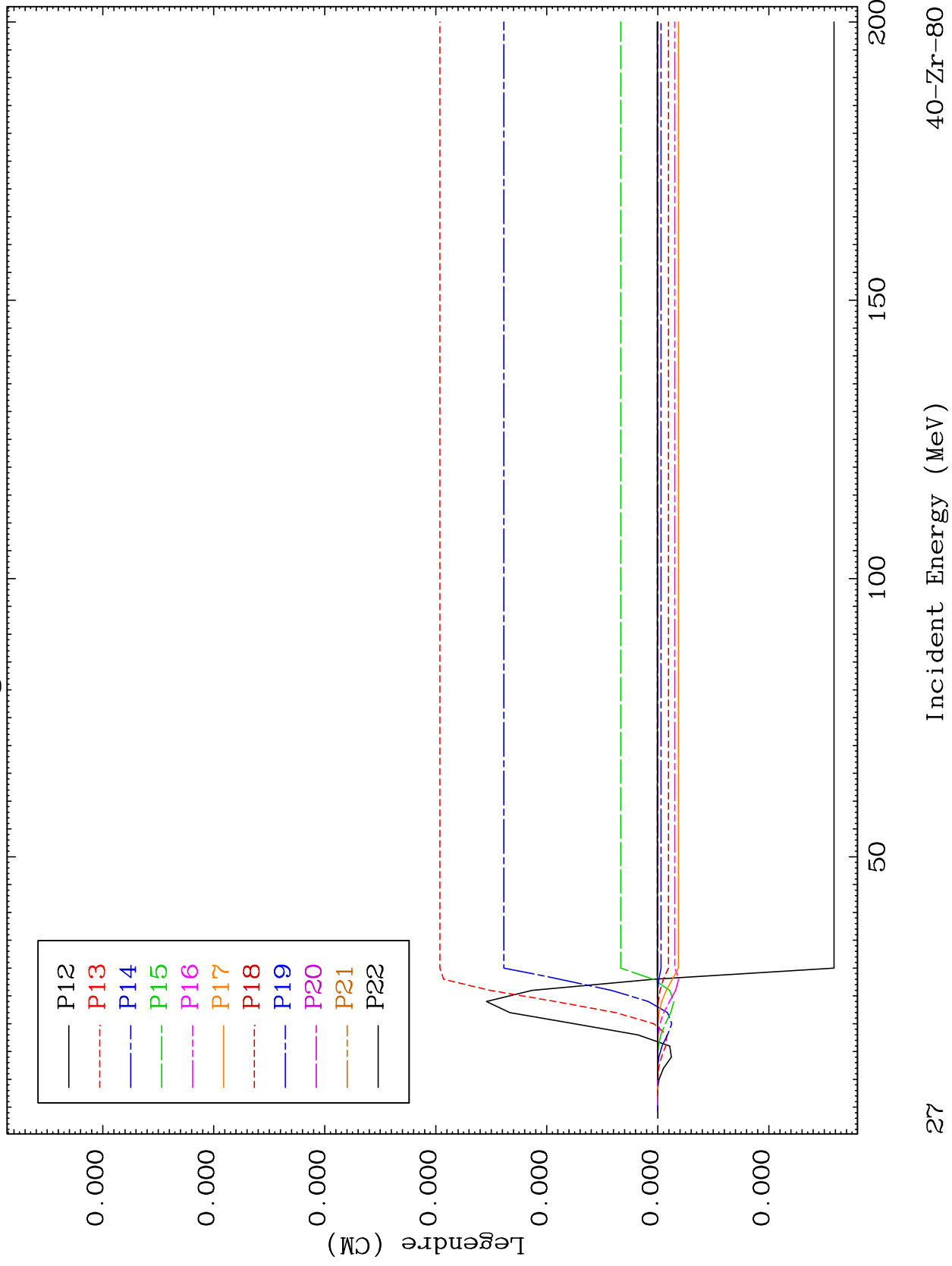




MAT 3995

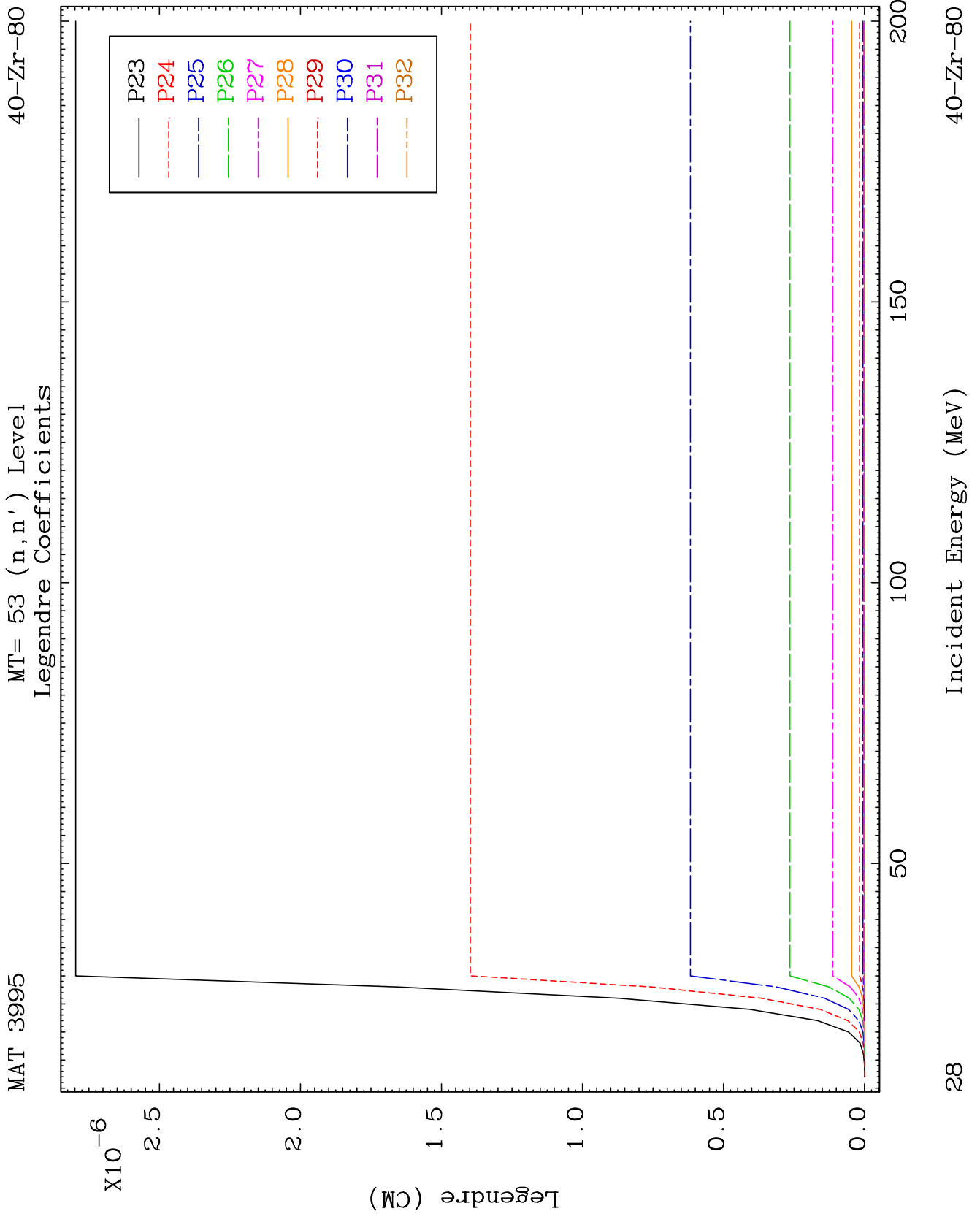
MT= 53 (n,n') Level
Legendre Coefficients

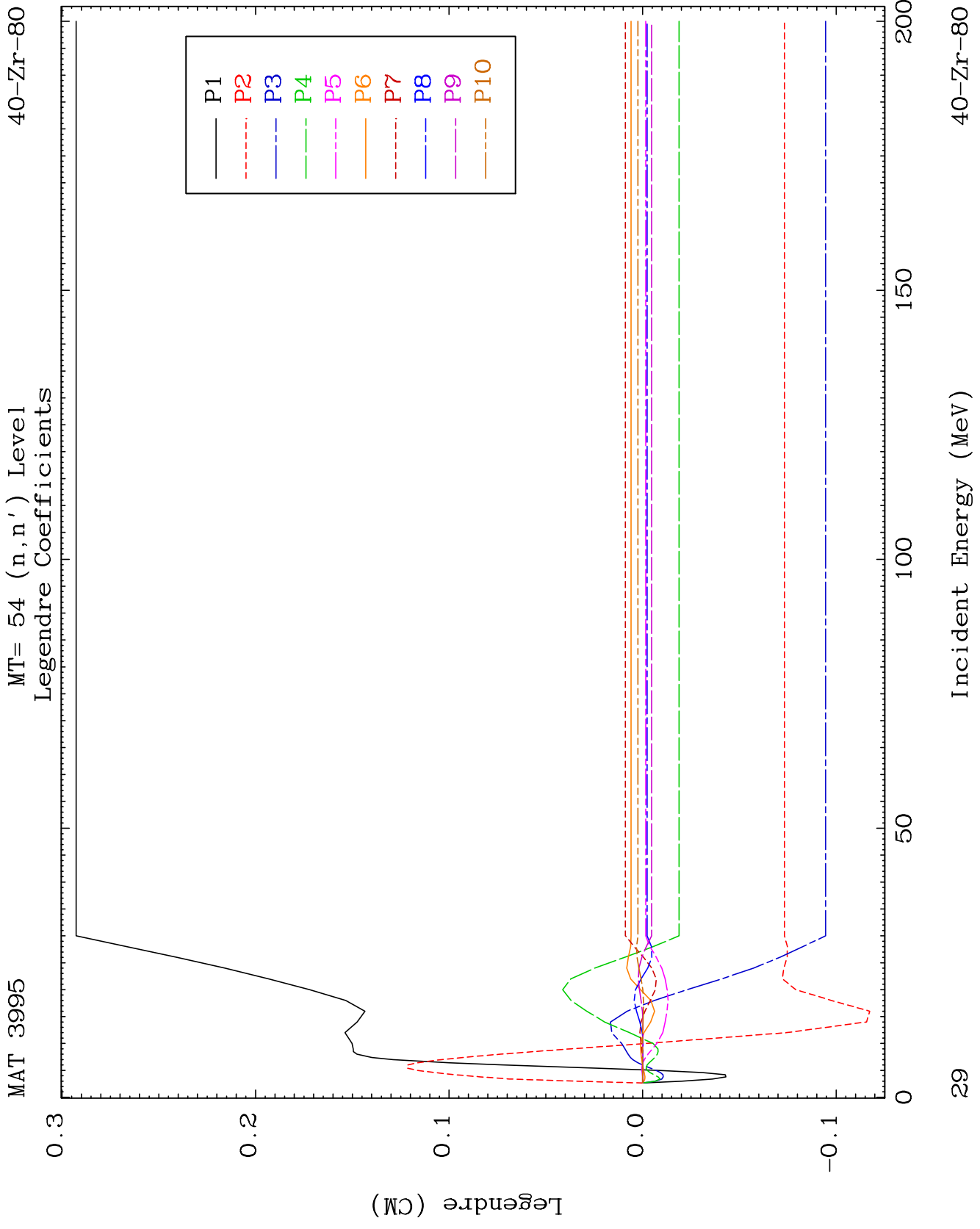
40-Zr-80

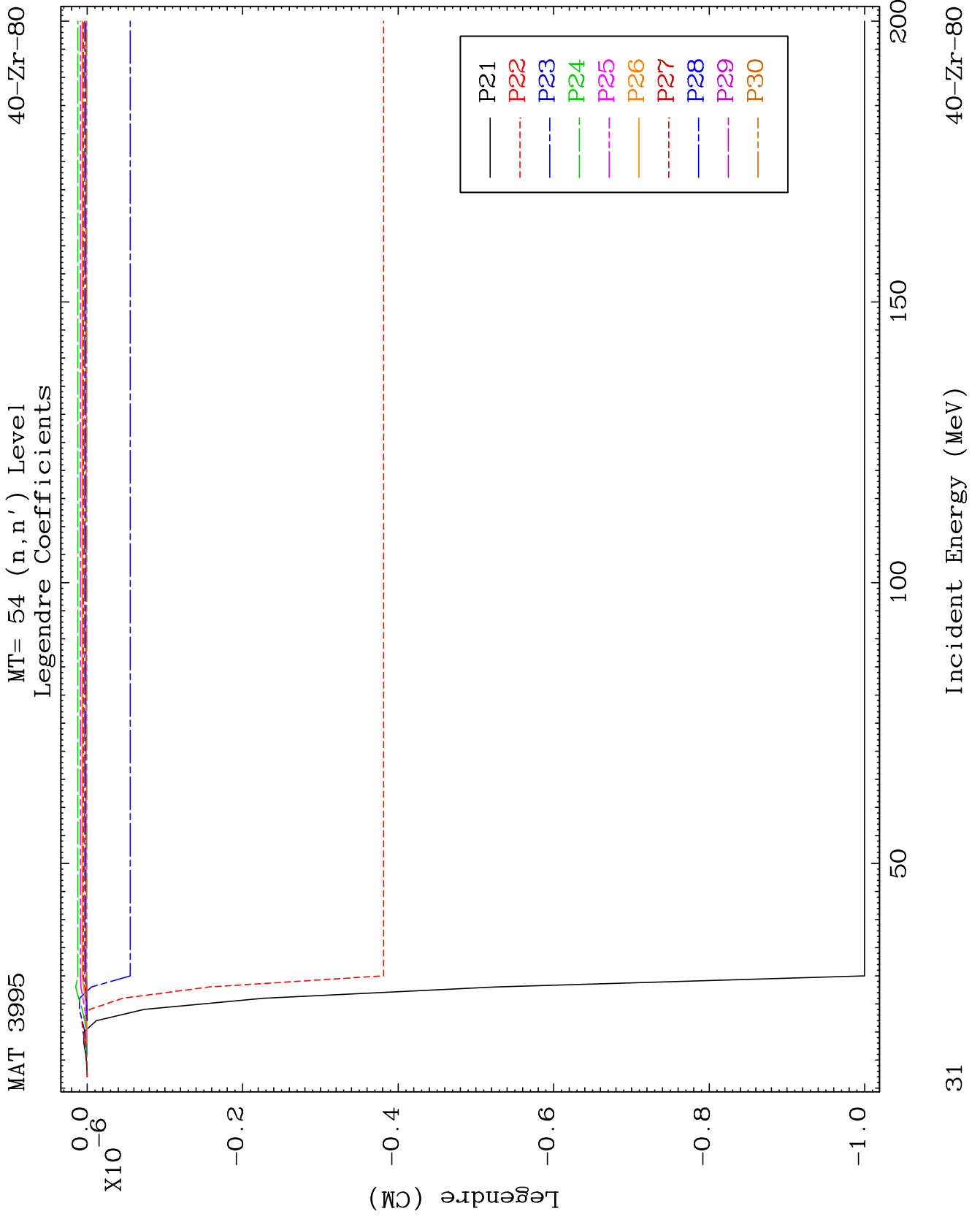


27

40-Zr-80



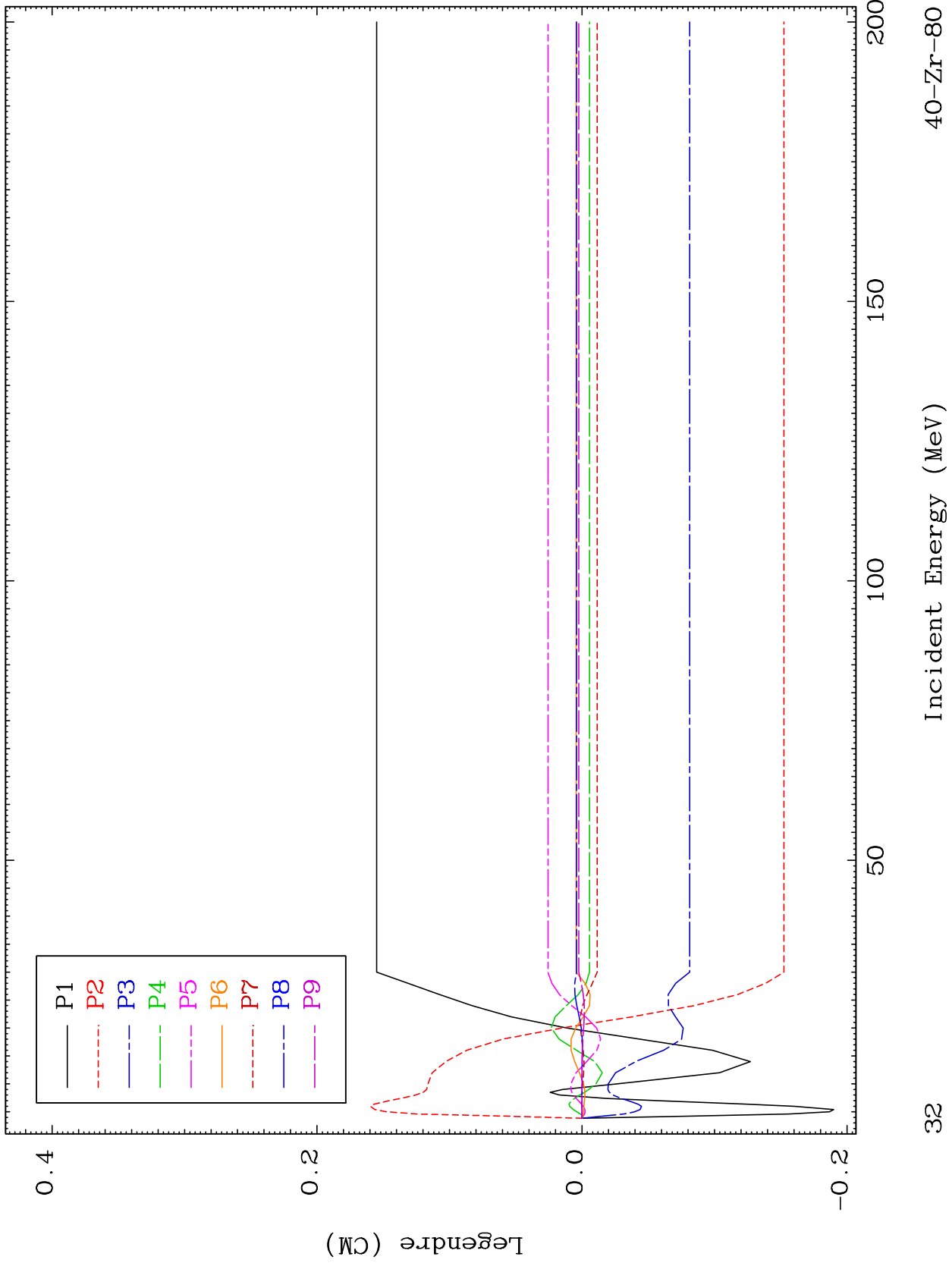


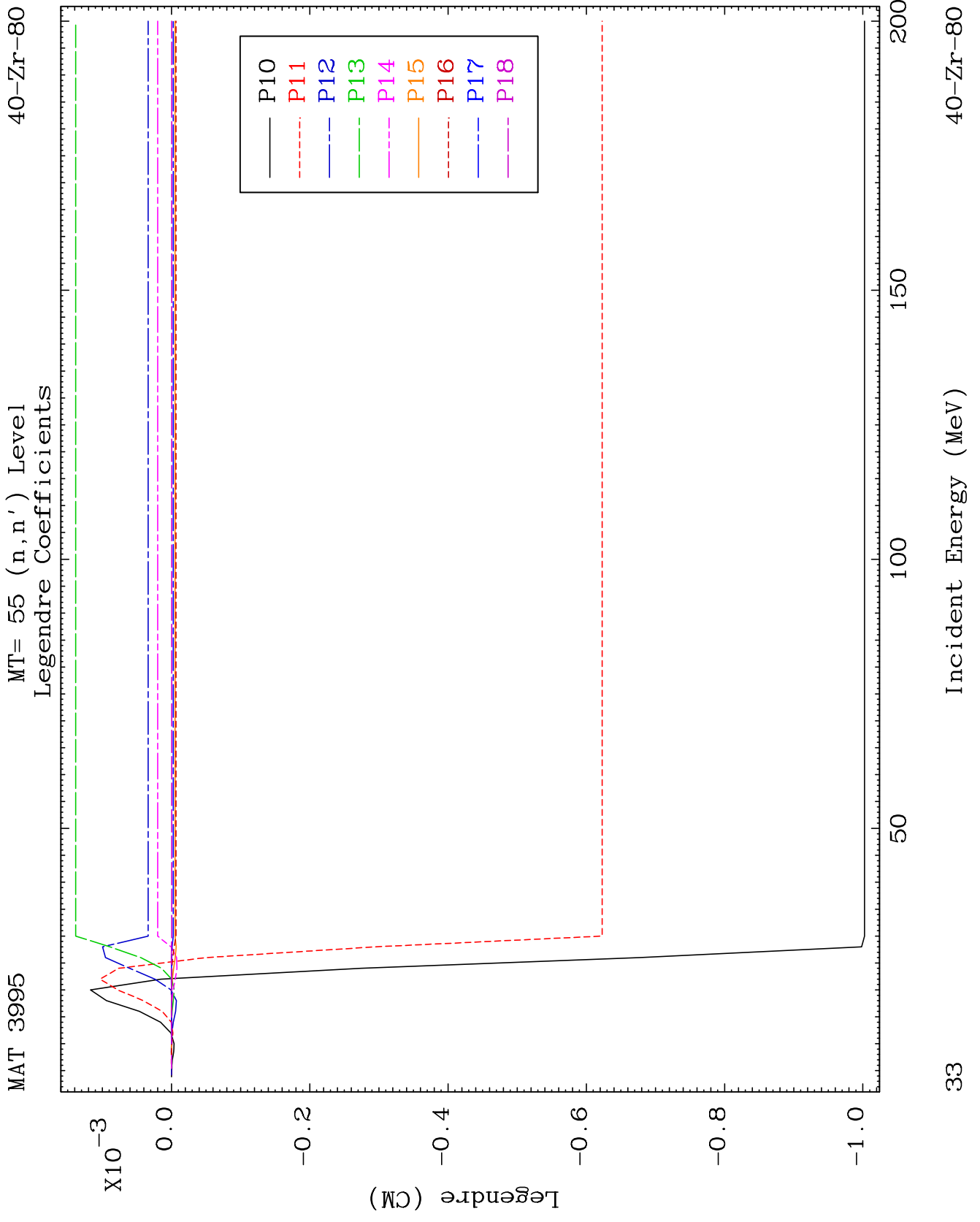


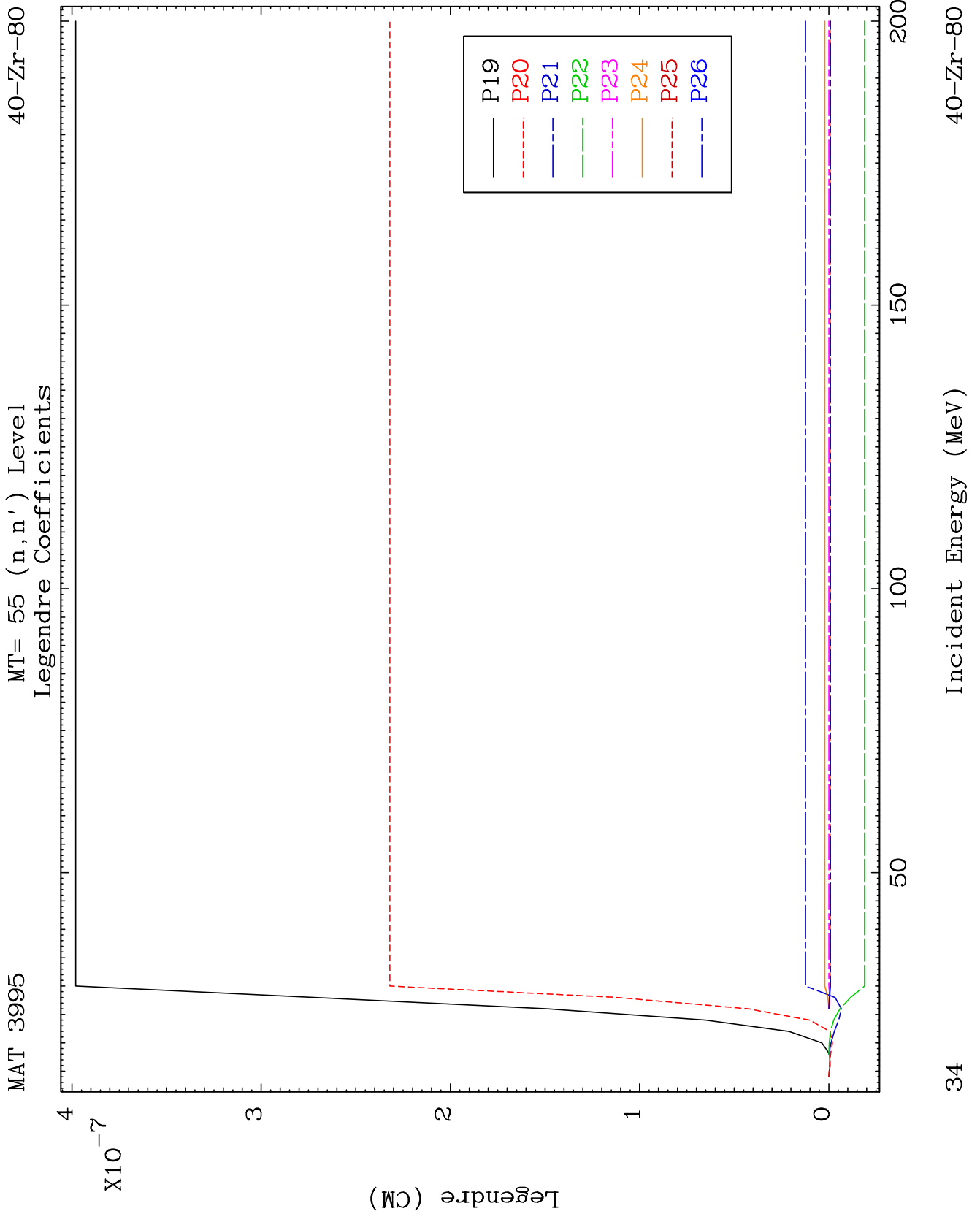
MAT 3995

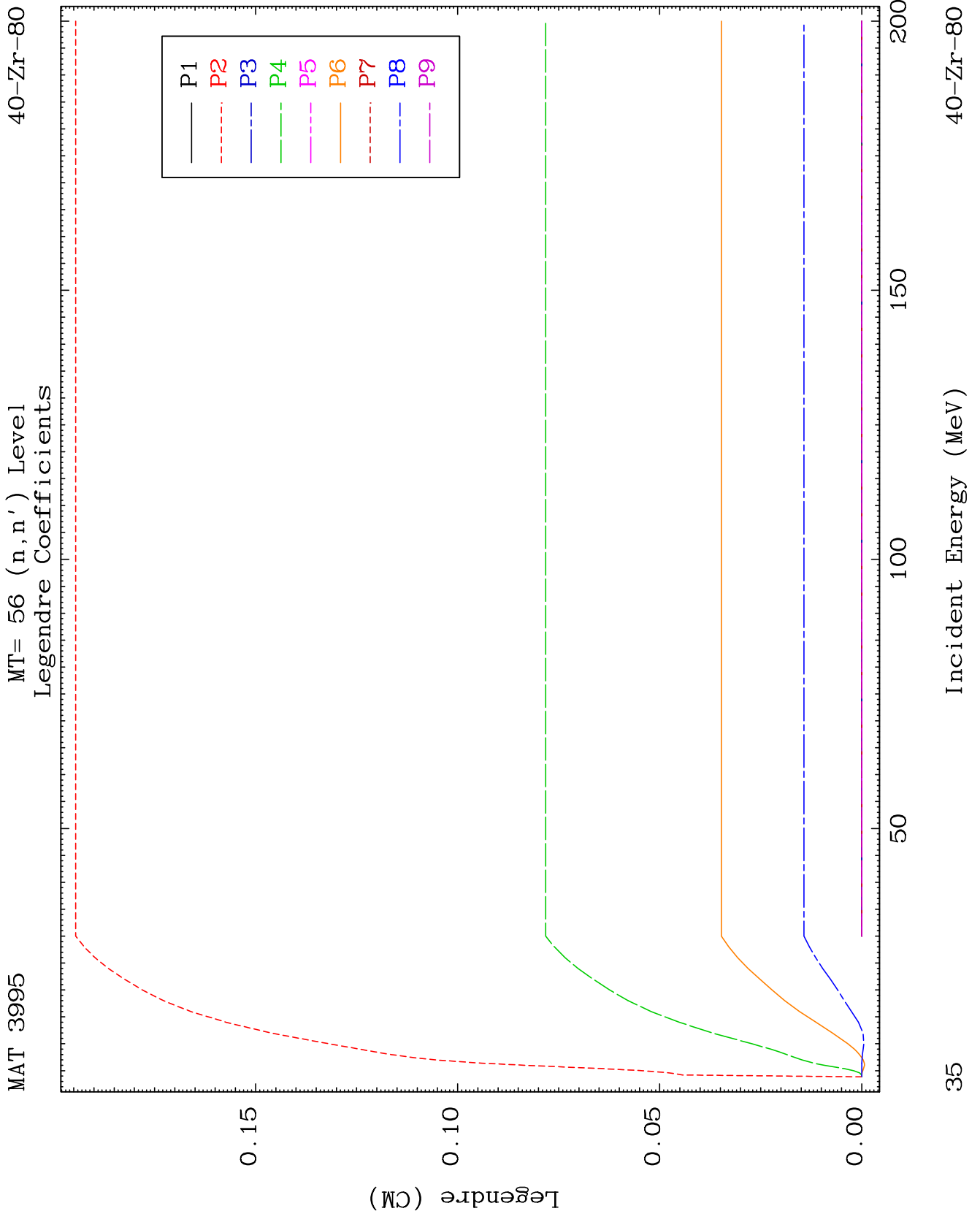
MT= 55 (n,n') Level
Legendre Coefficients

40-Zr-80





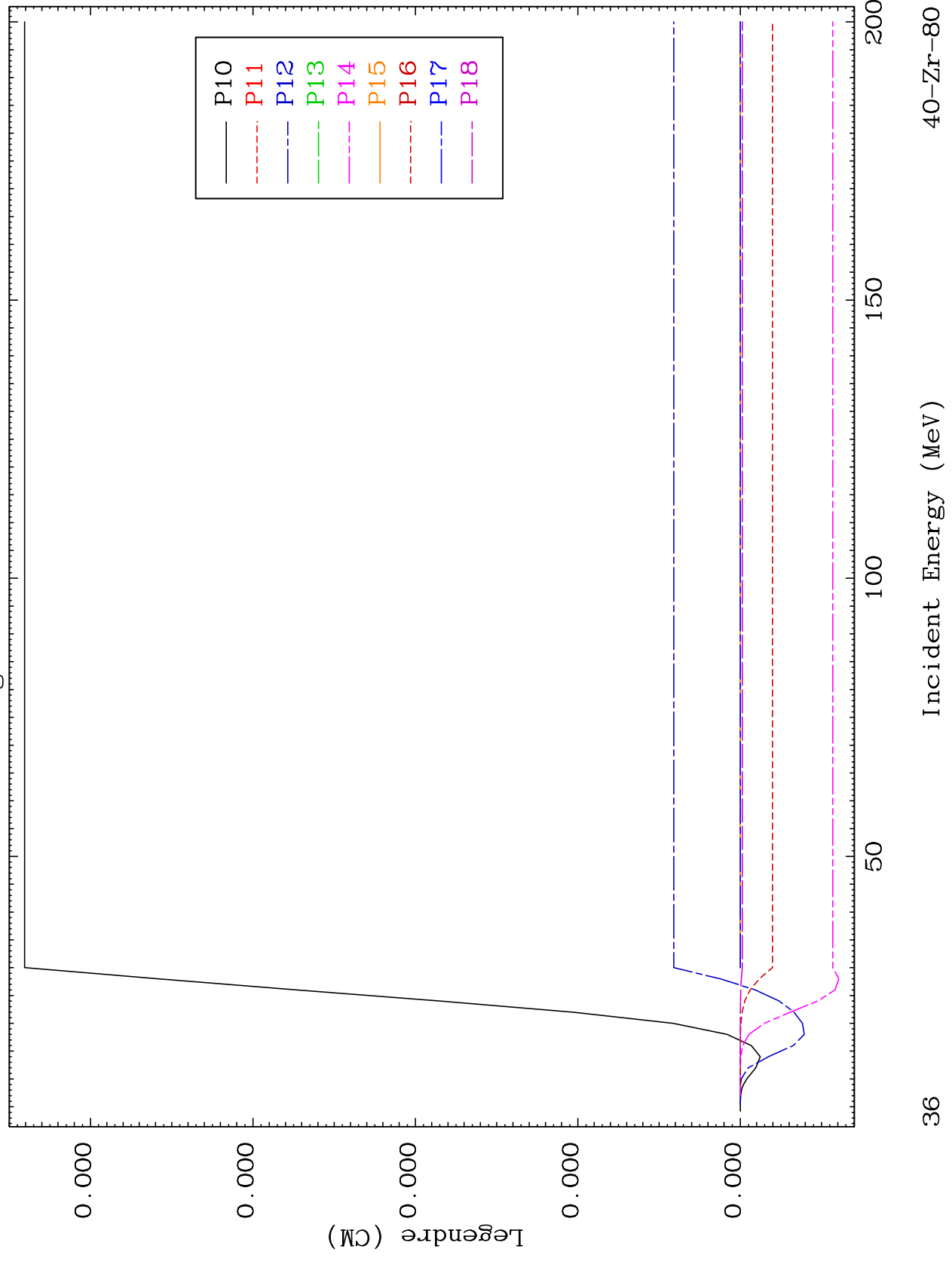


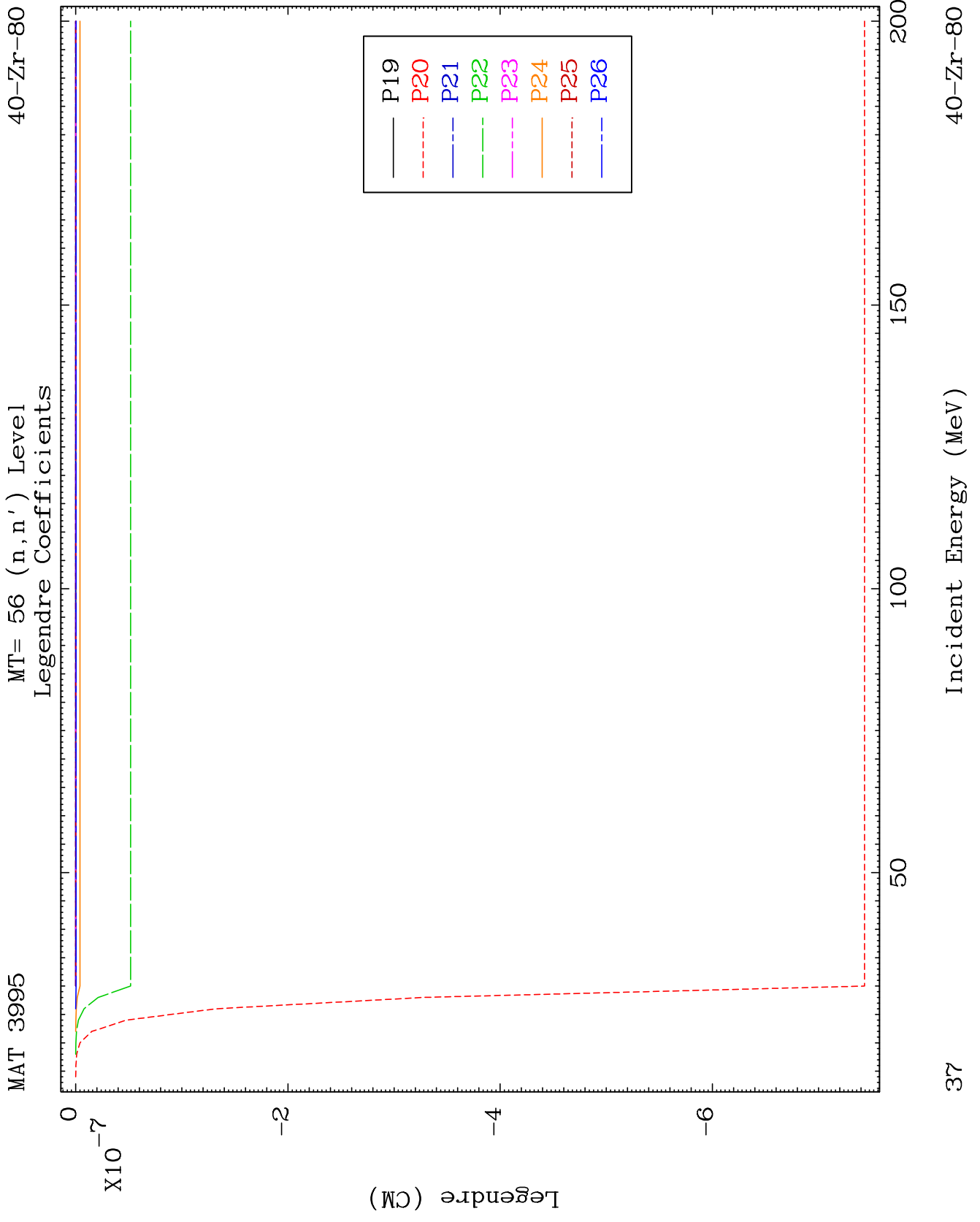


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MT= 56 (n,n') Level
Legendre Coefficients

40-Zr-80

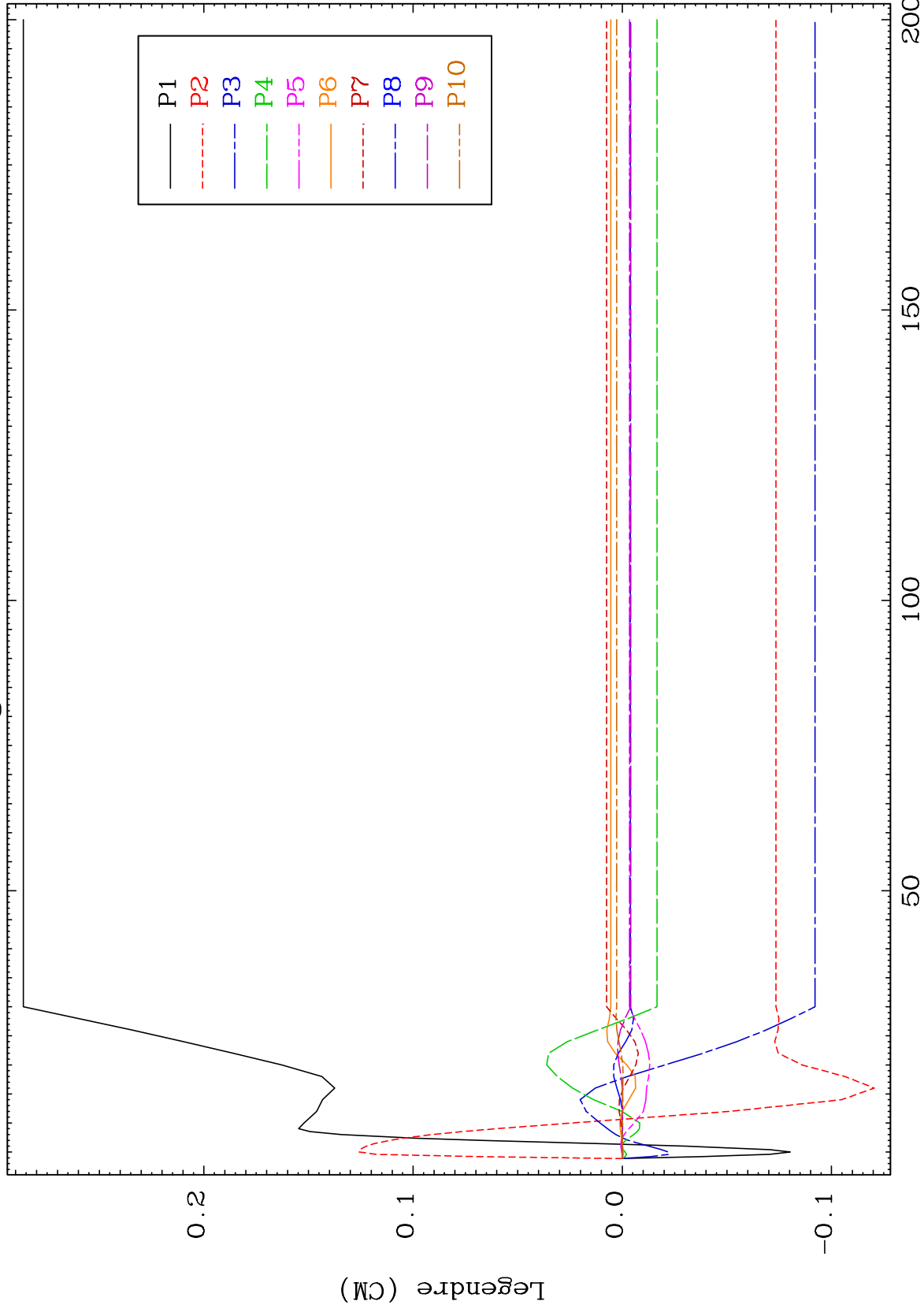




MAT 3995

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

40-Zr-80



38

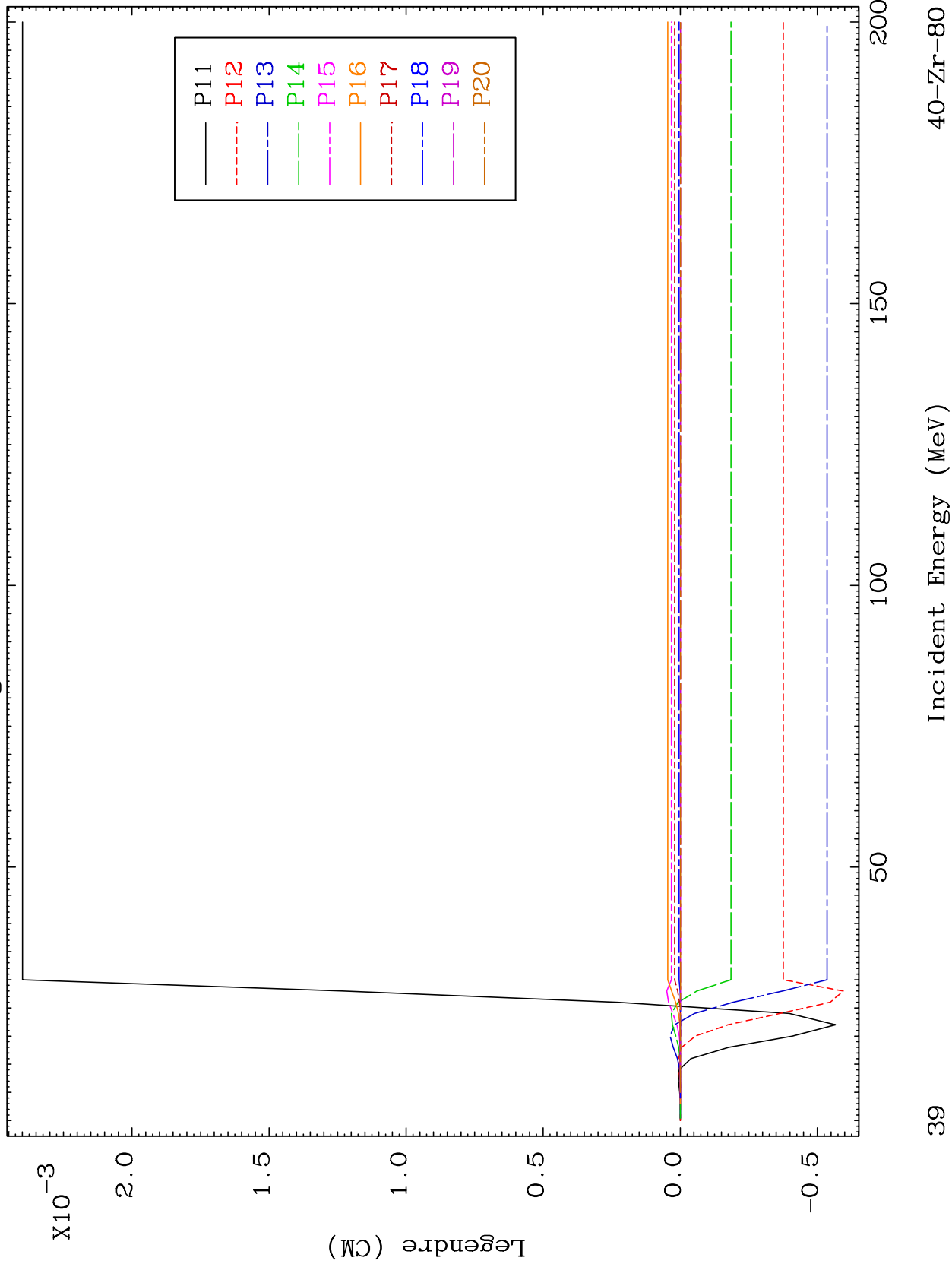
Incident Energy (MeV)

40-Zr-80

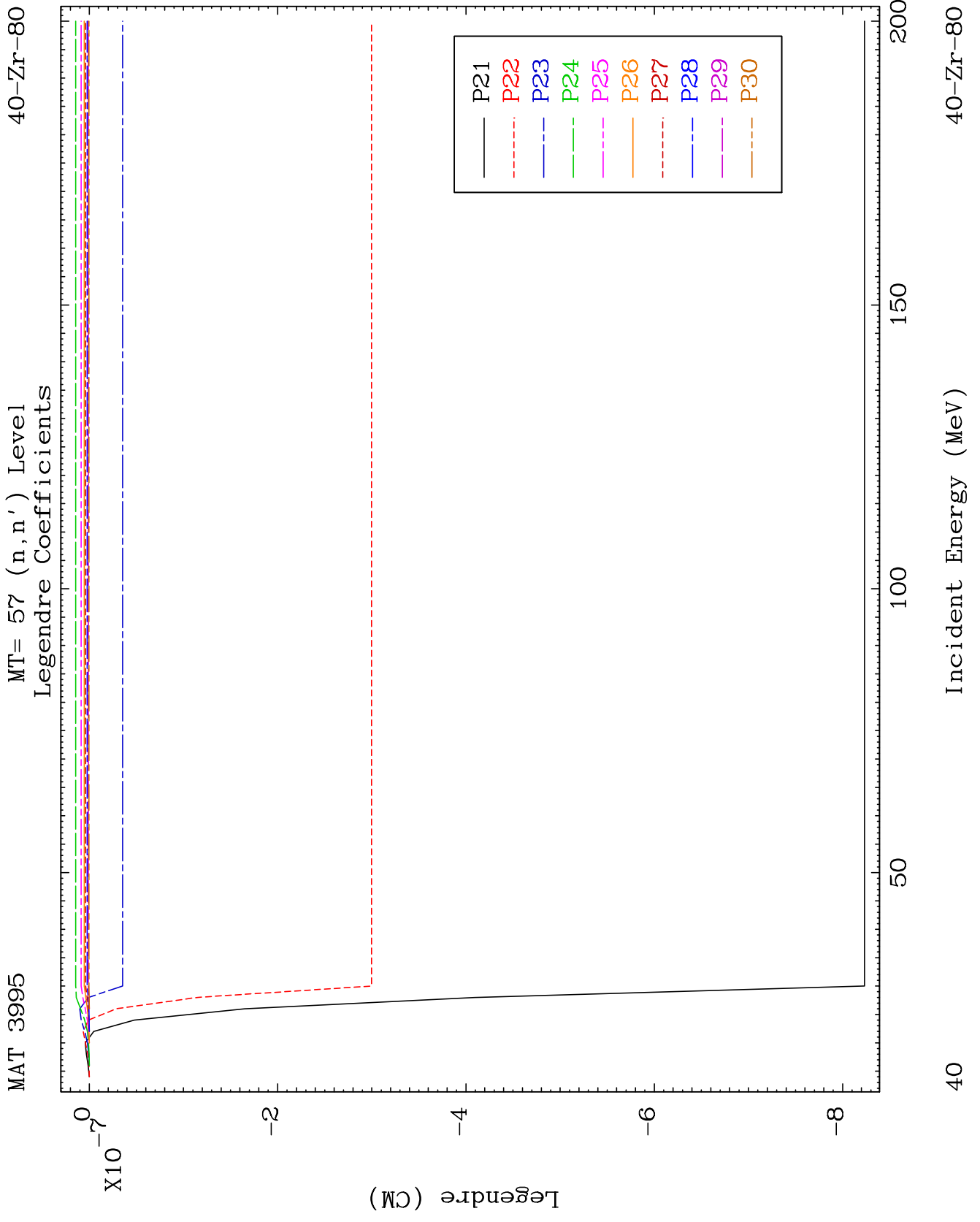
MAT 3995

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

40-Zr-80



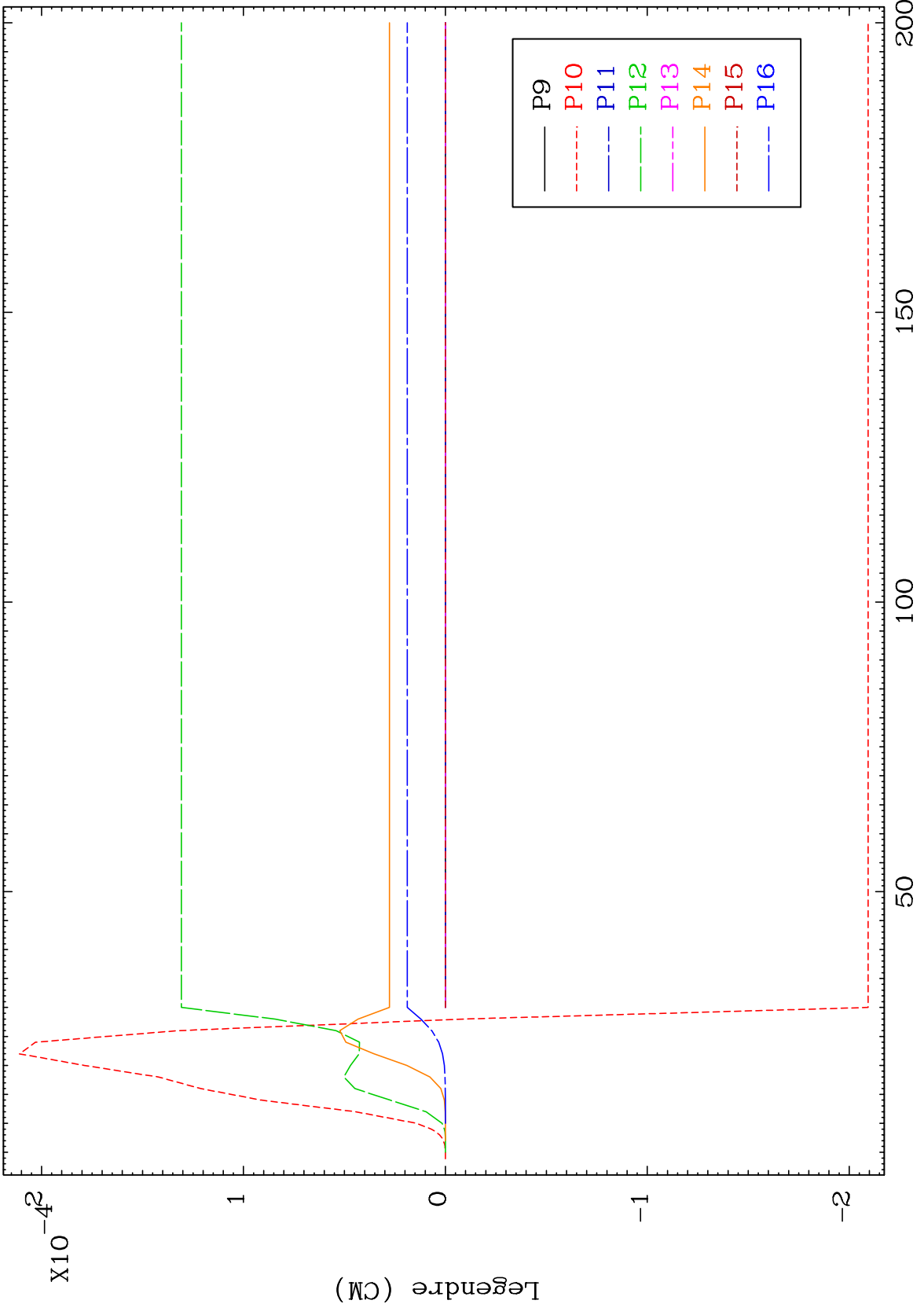
39



MAT 3995

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

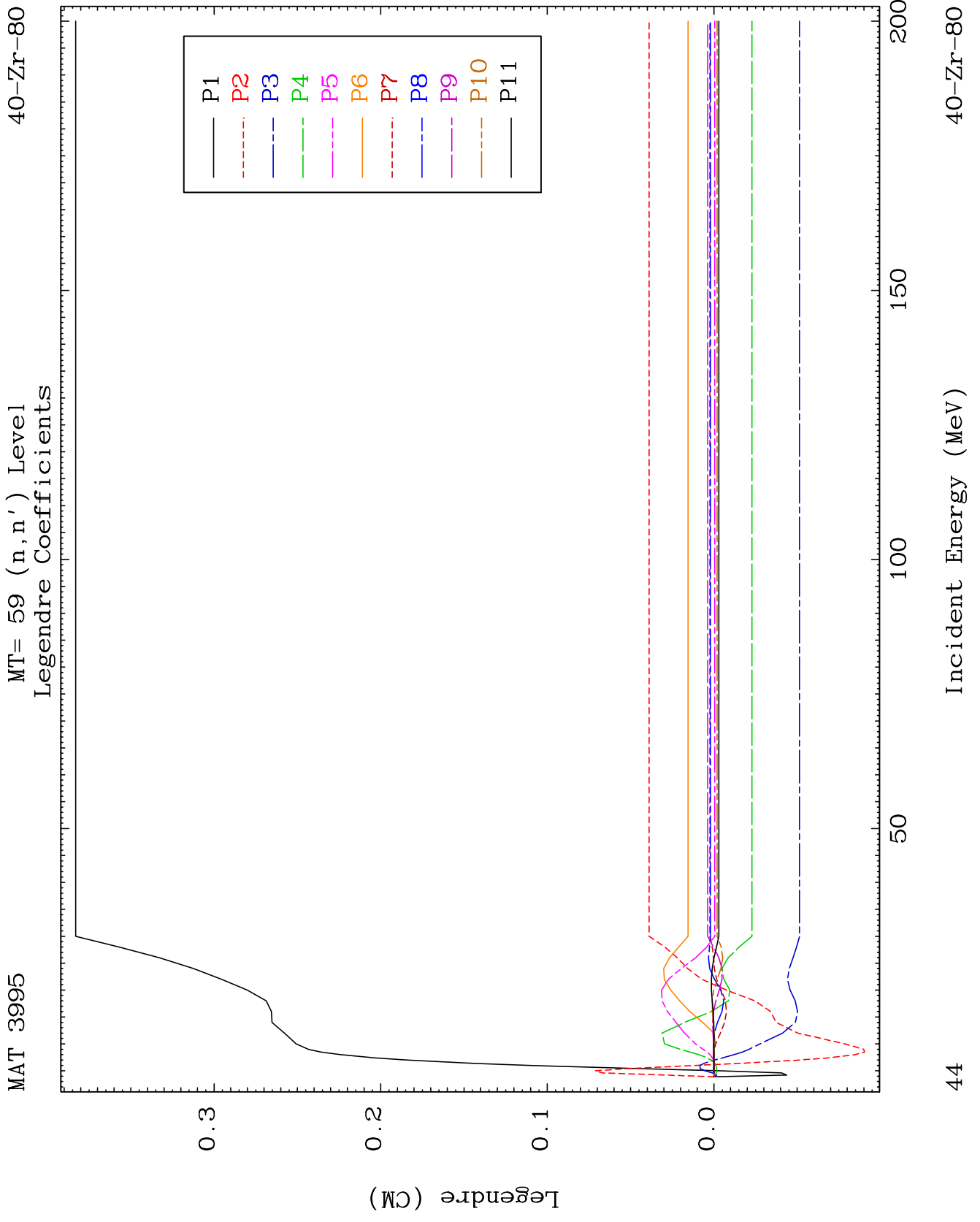
40-Zr-80



42

Incident Energy (MeV)

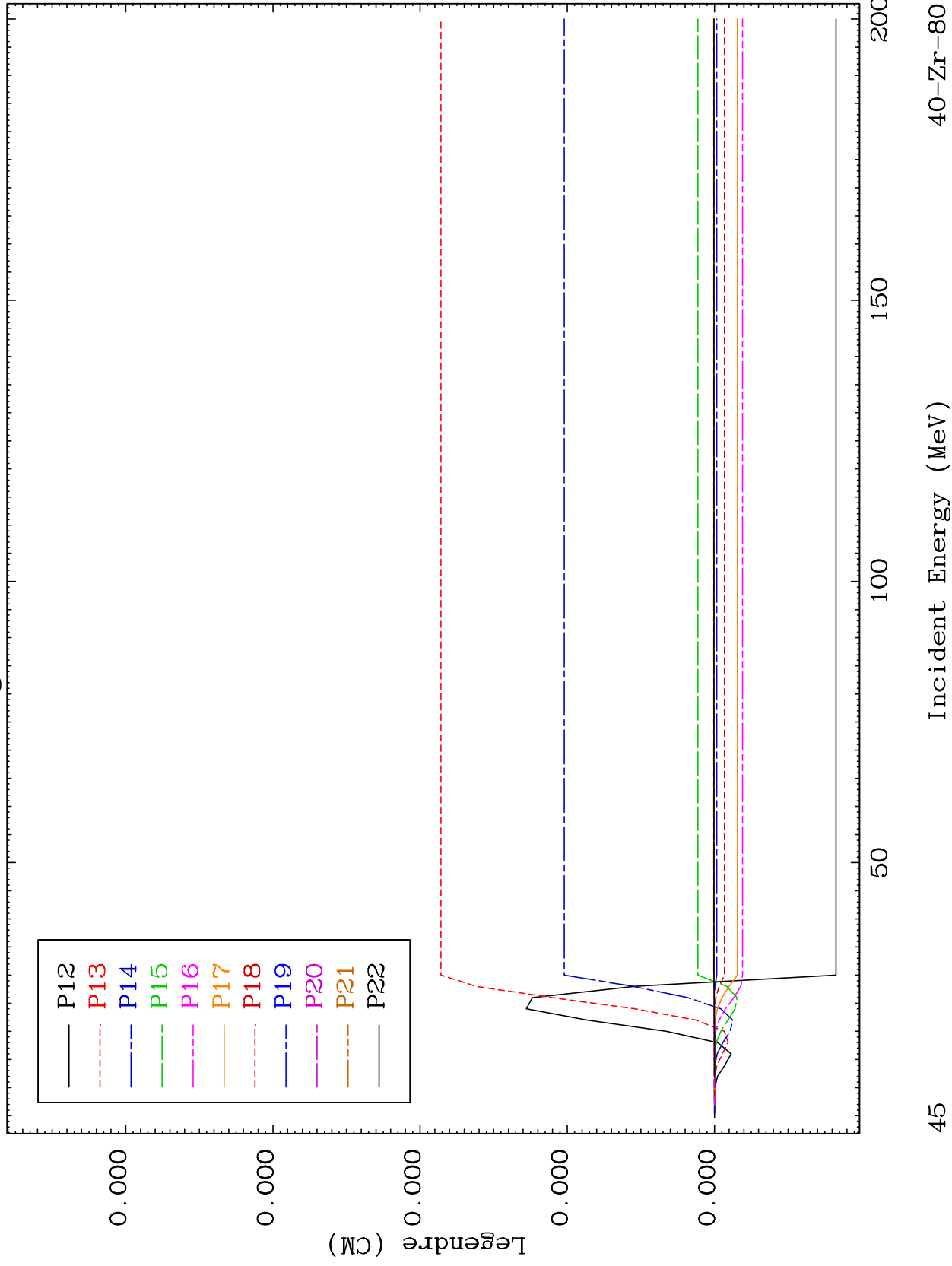
40-Zr-80



MAT 3995

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

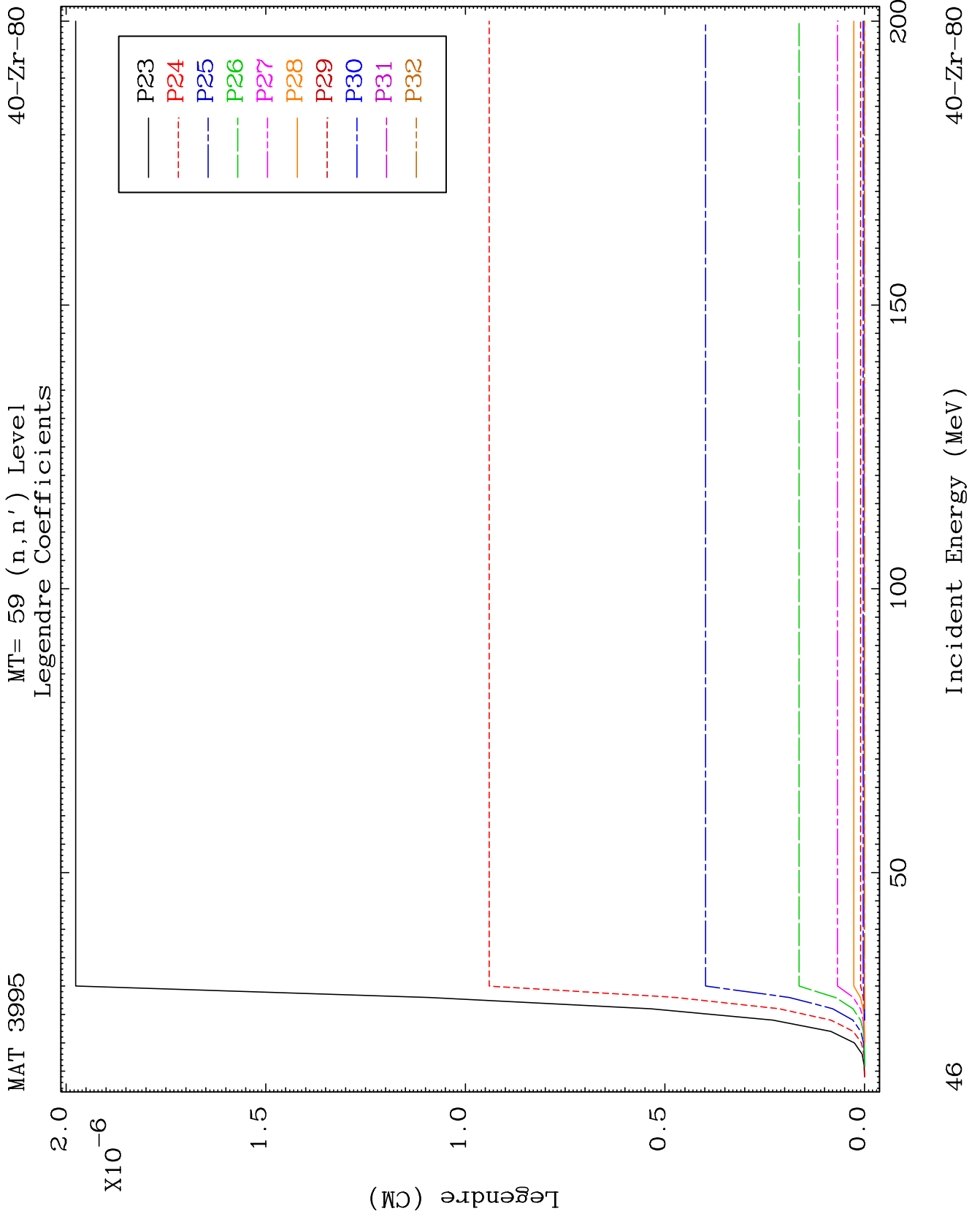
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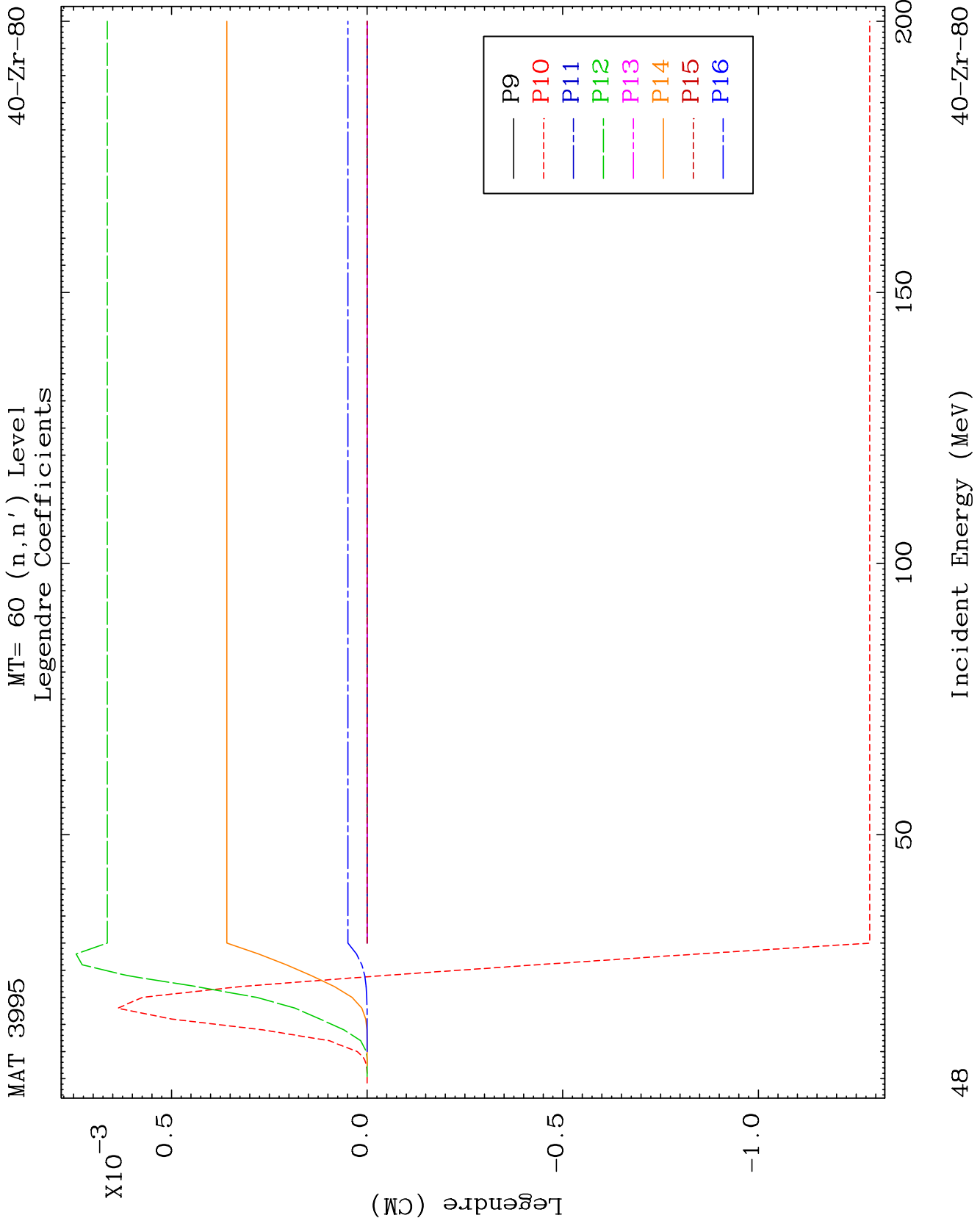


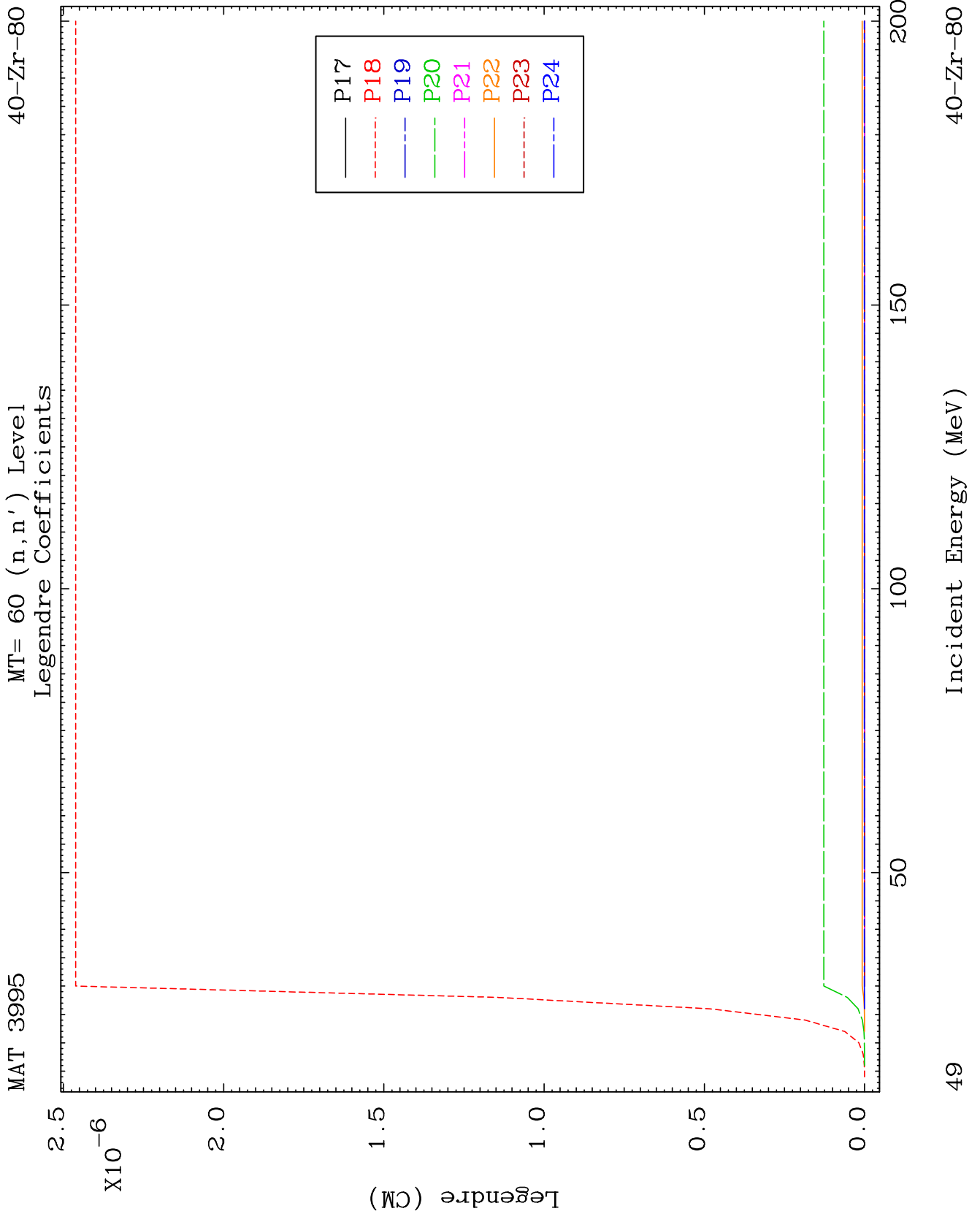
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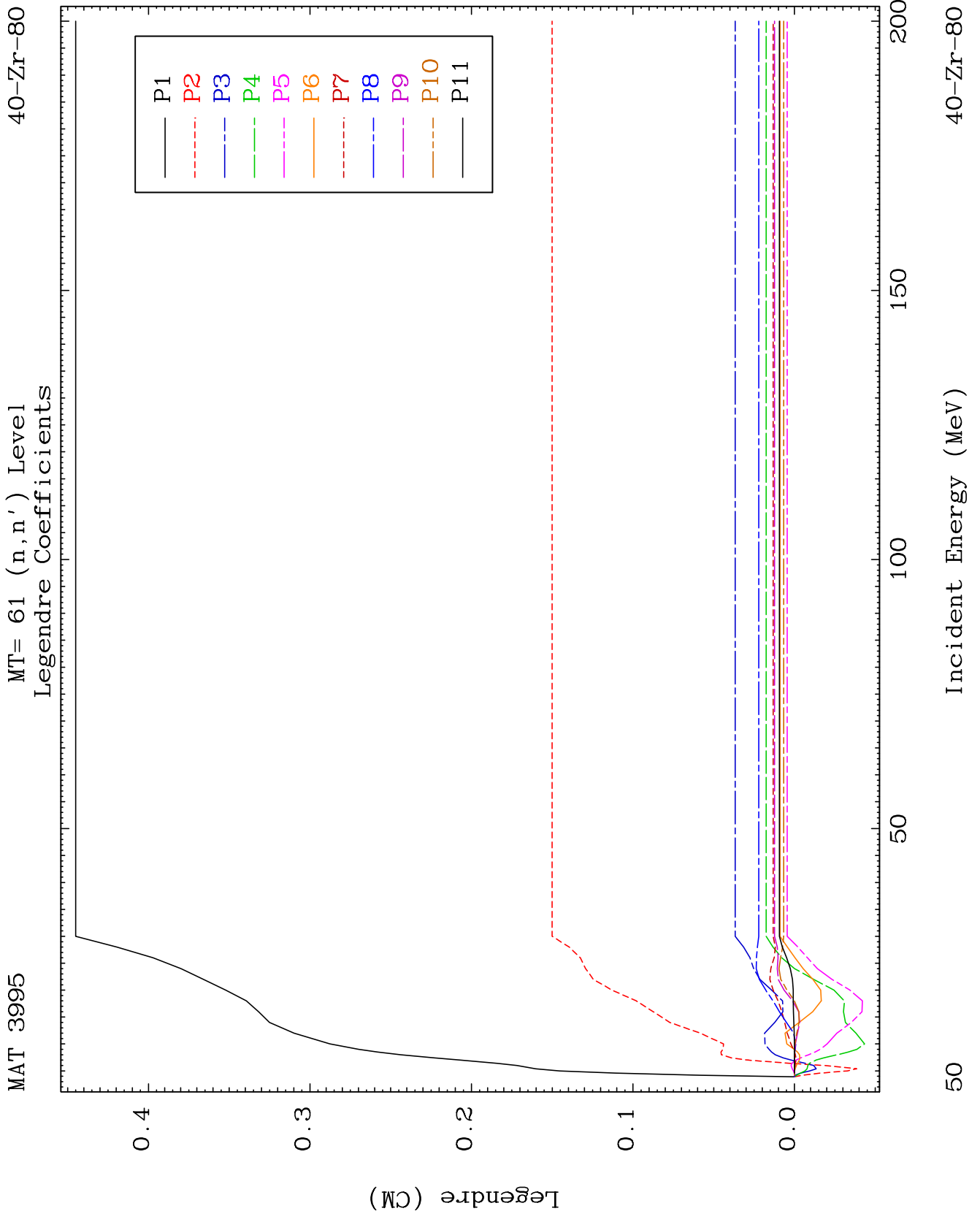
Incident Energy (MeV)

40-Zr-80





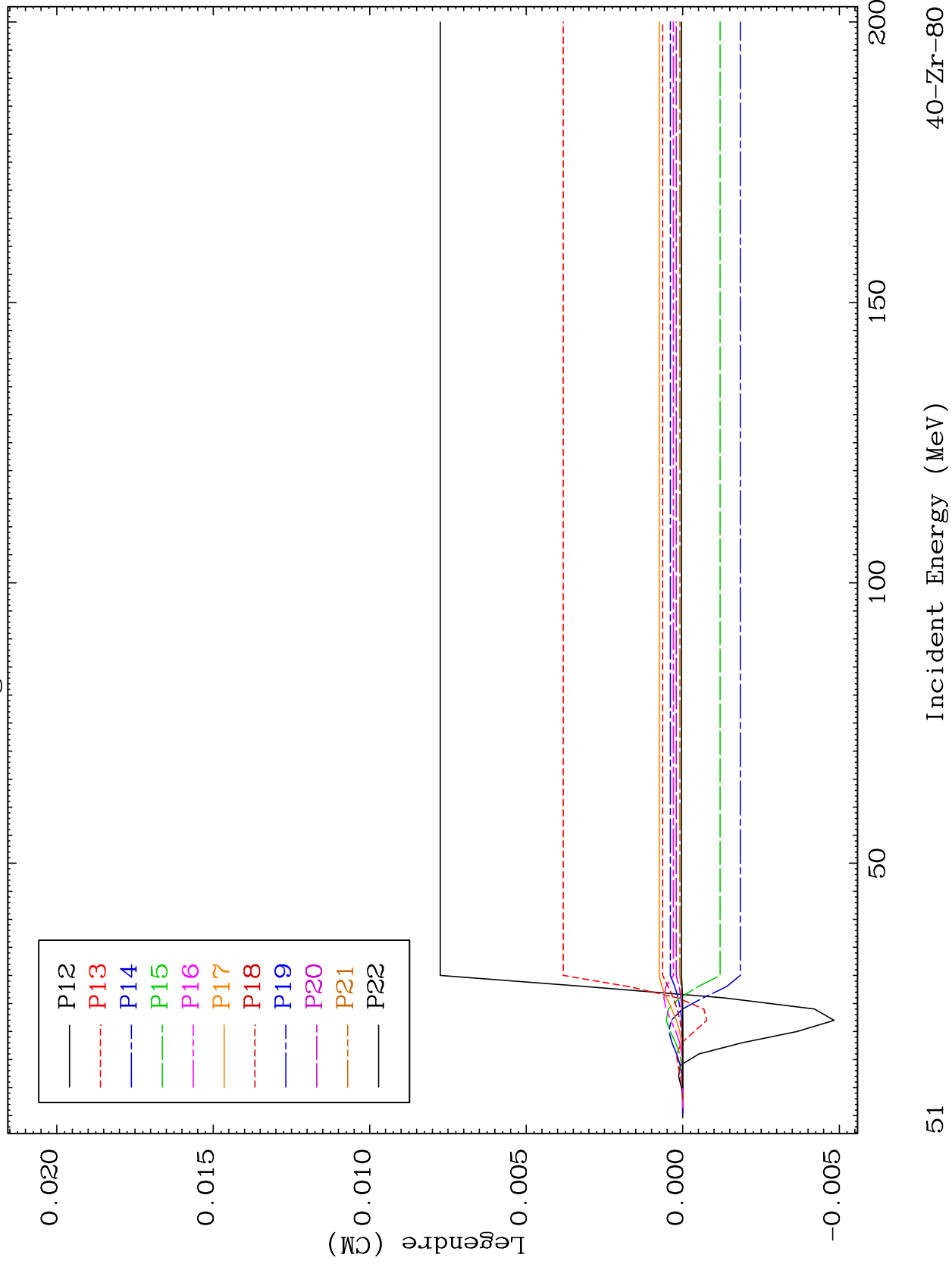




MAT 3995

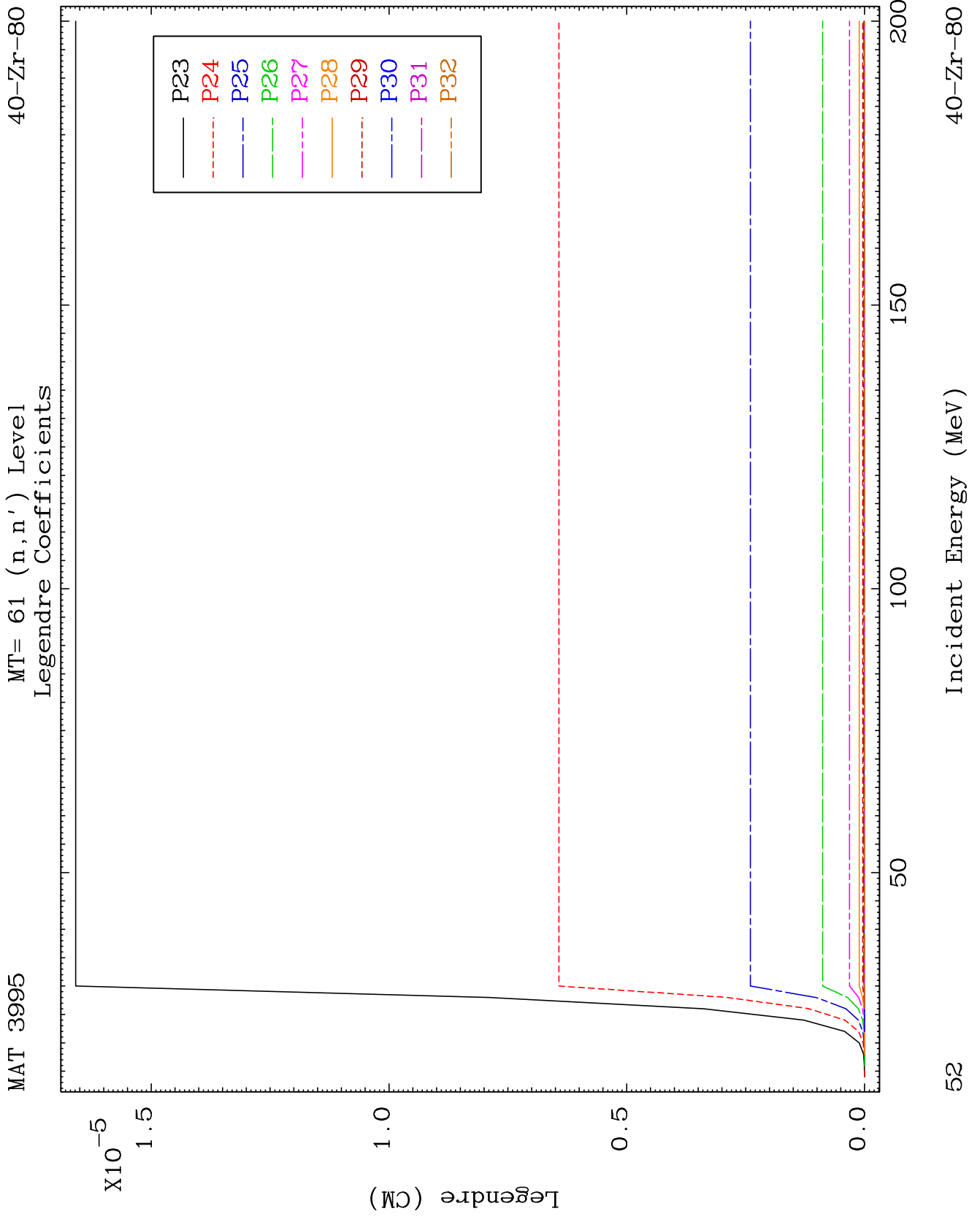
MT= 61 (n,n') Level
Legendre Coefficients

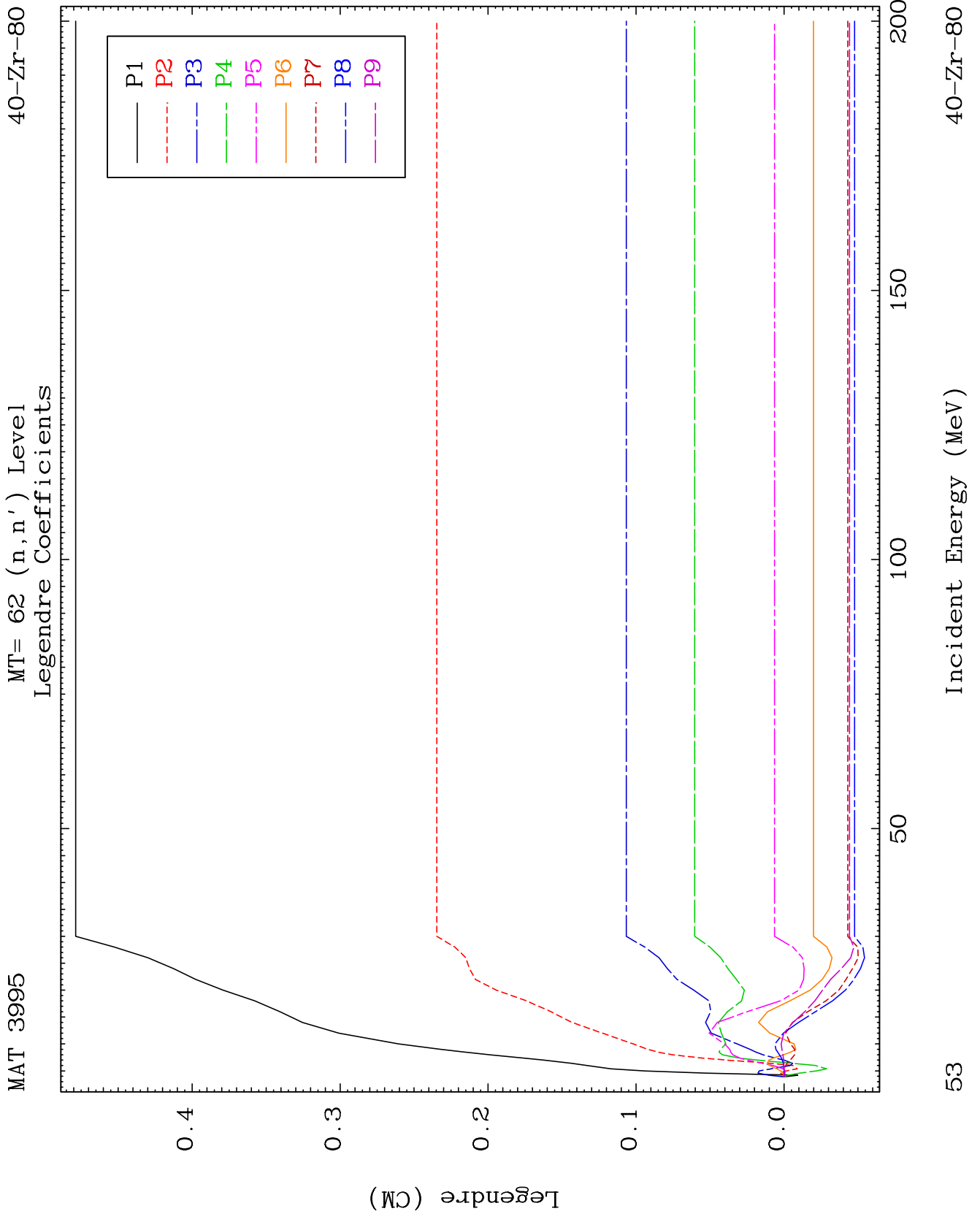
40-Zr-80

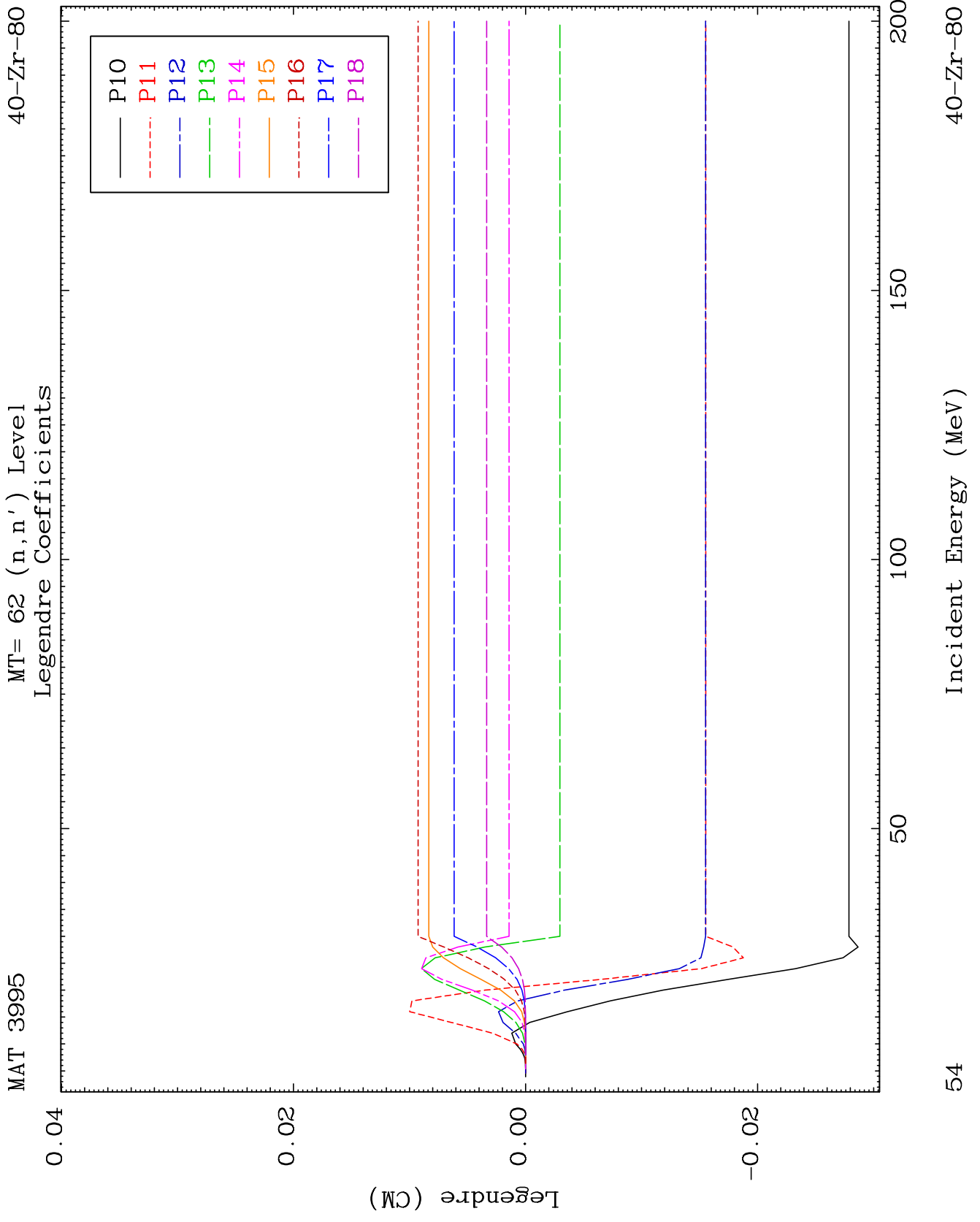


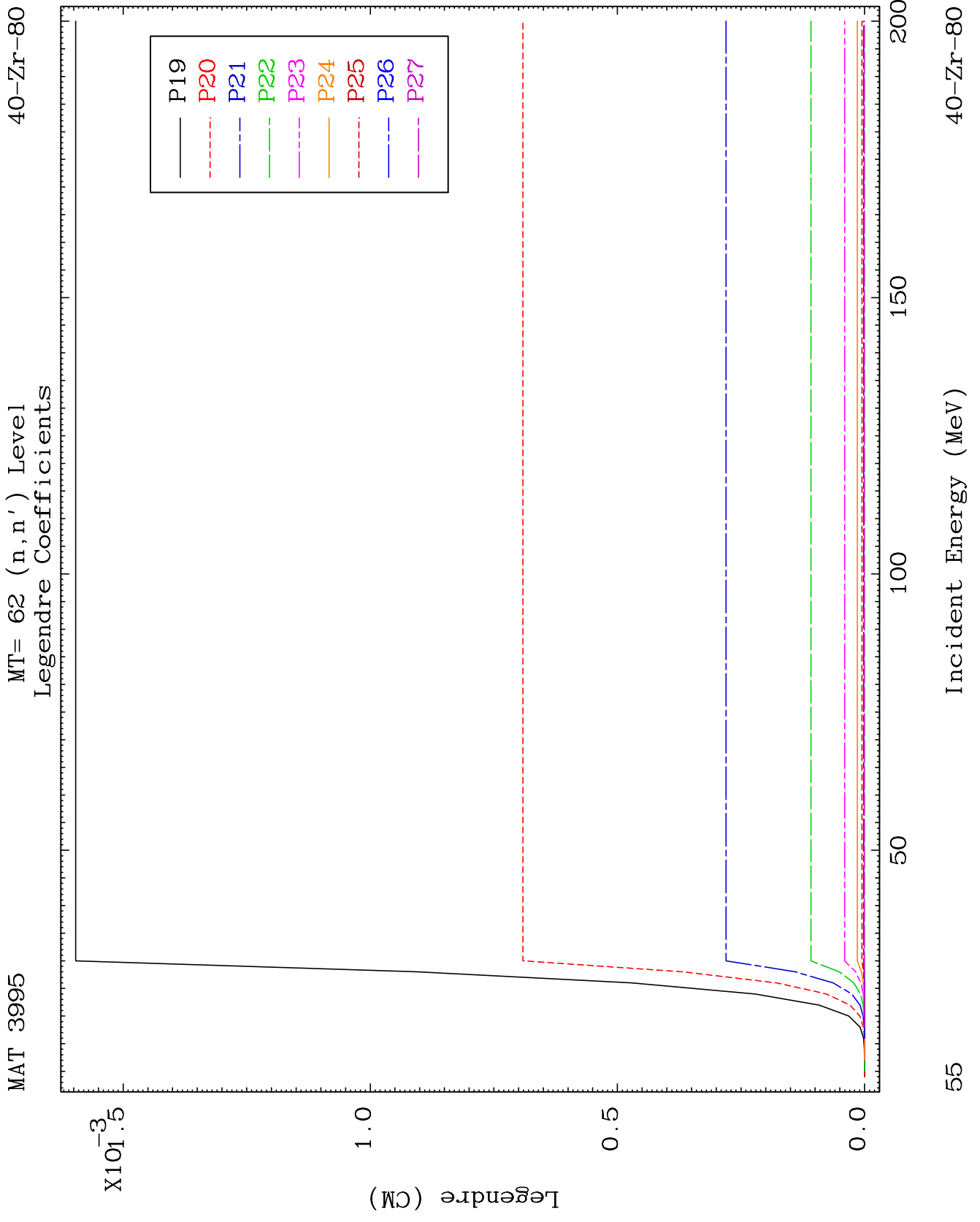
51

40-Zr-80





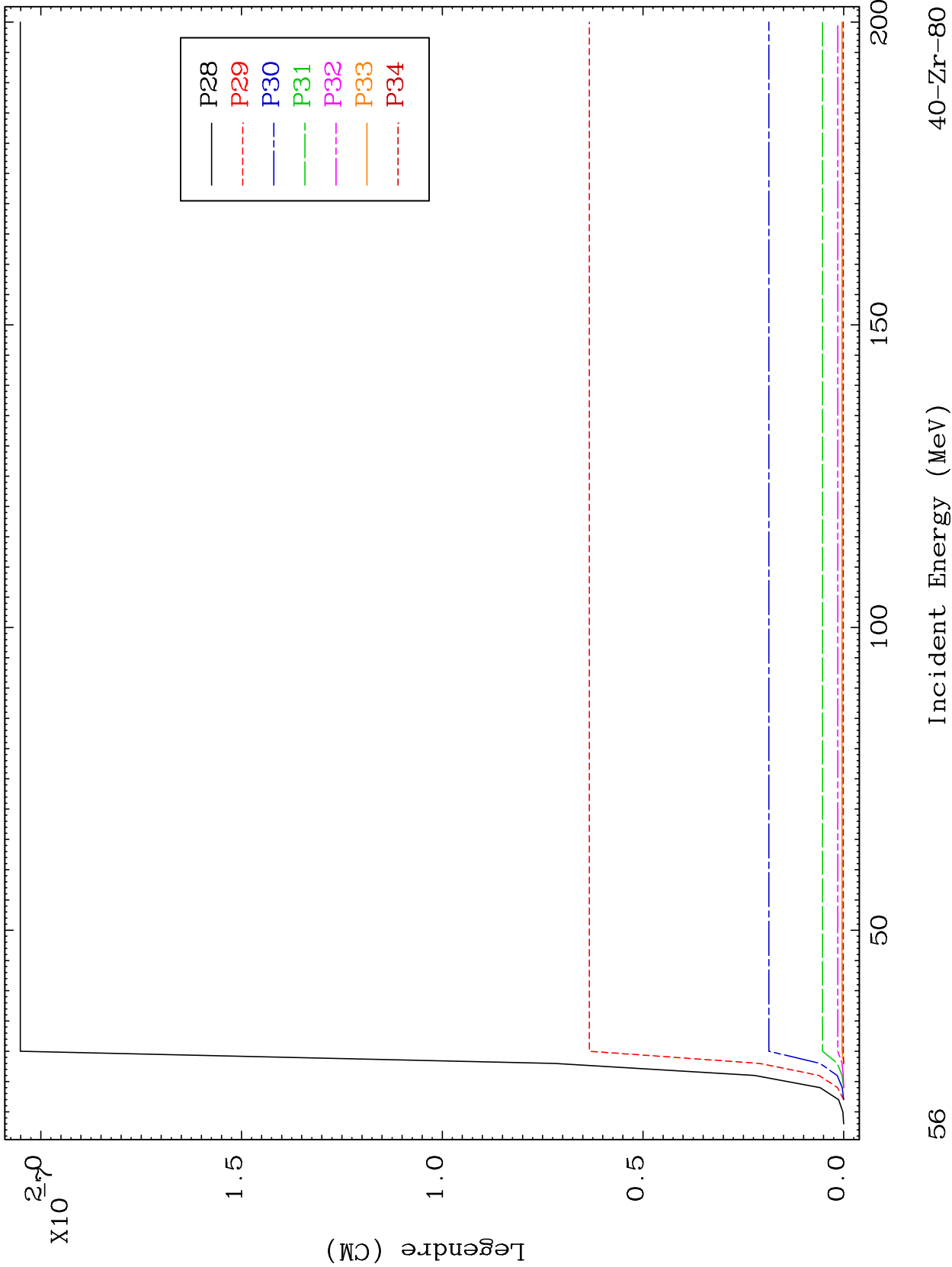




MAT 3995

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

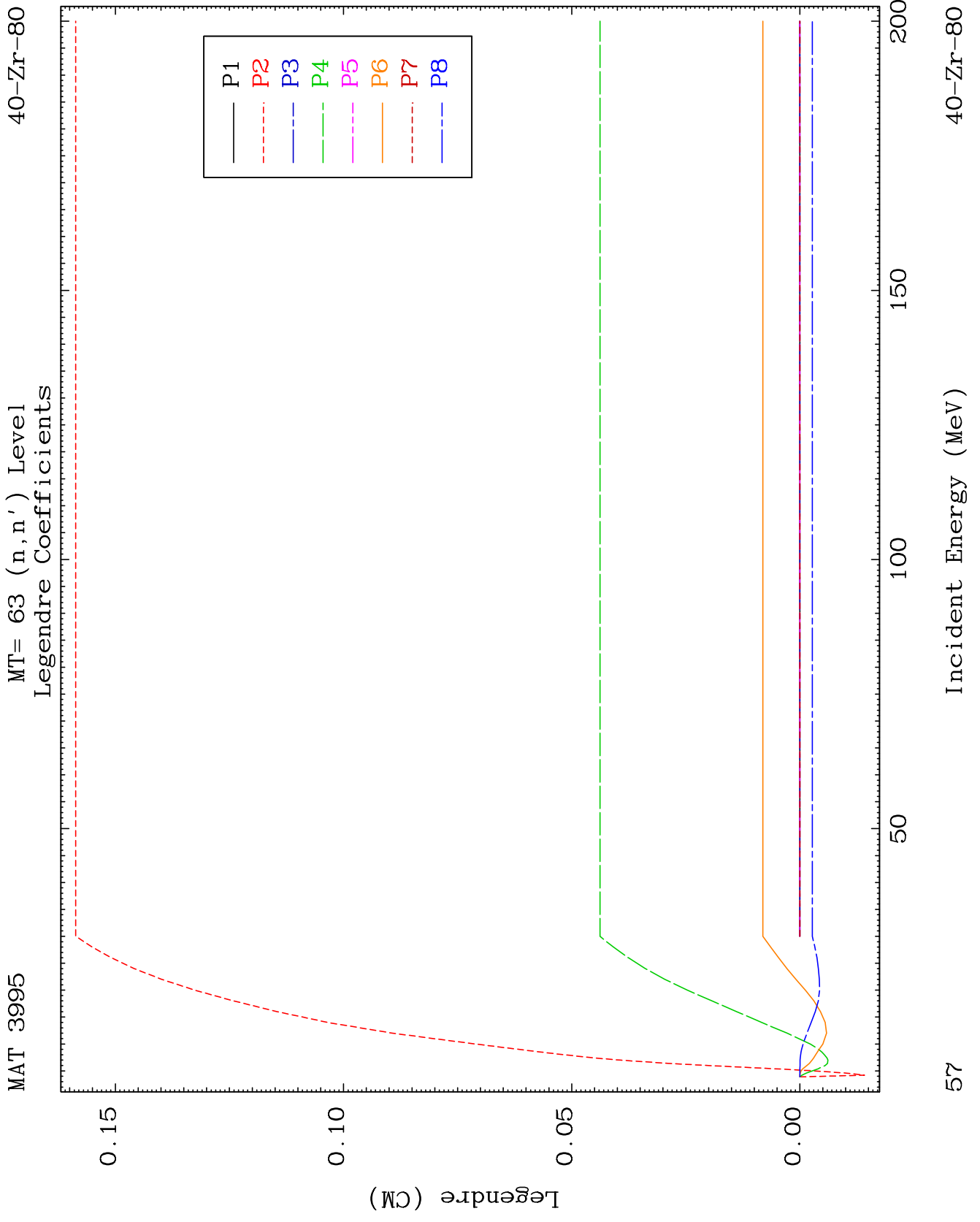
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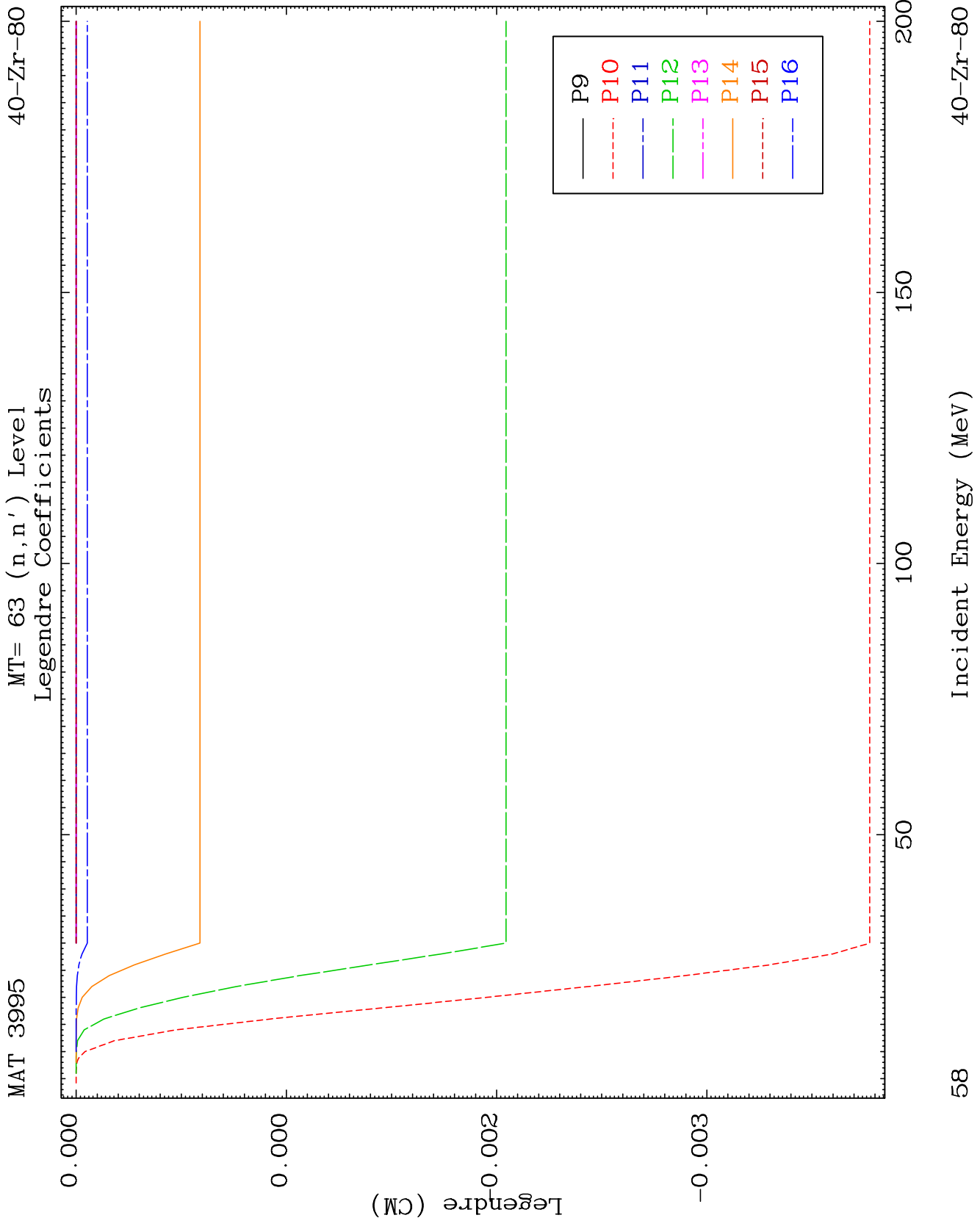


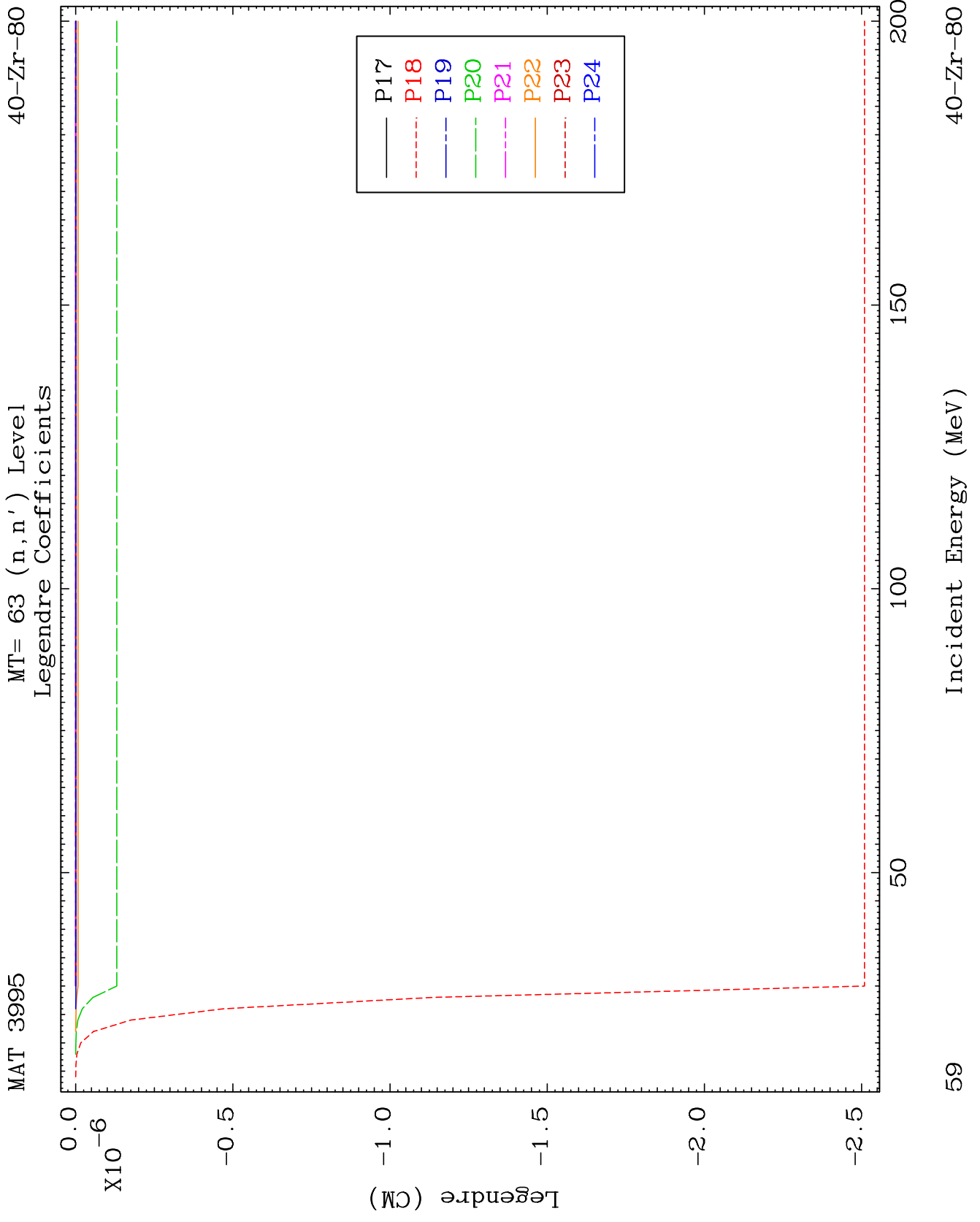
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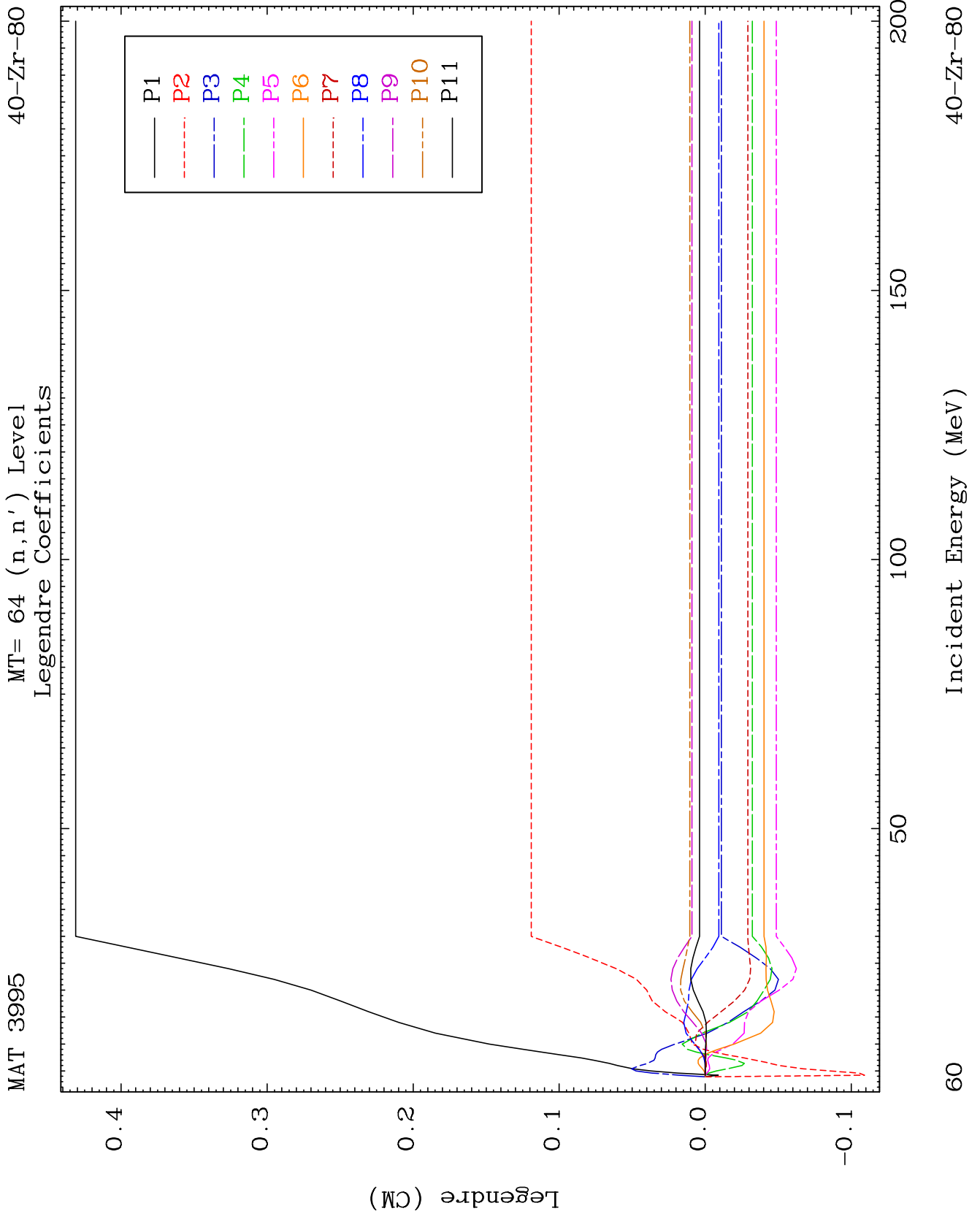
Incident Energy (MeV)

40-Zr-80





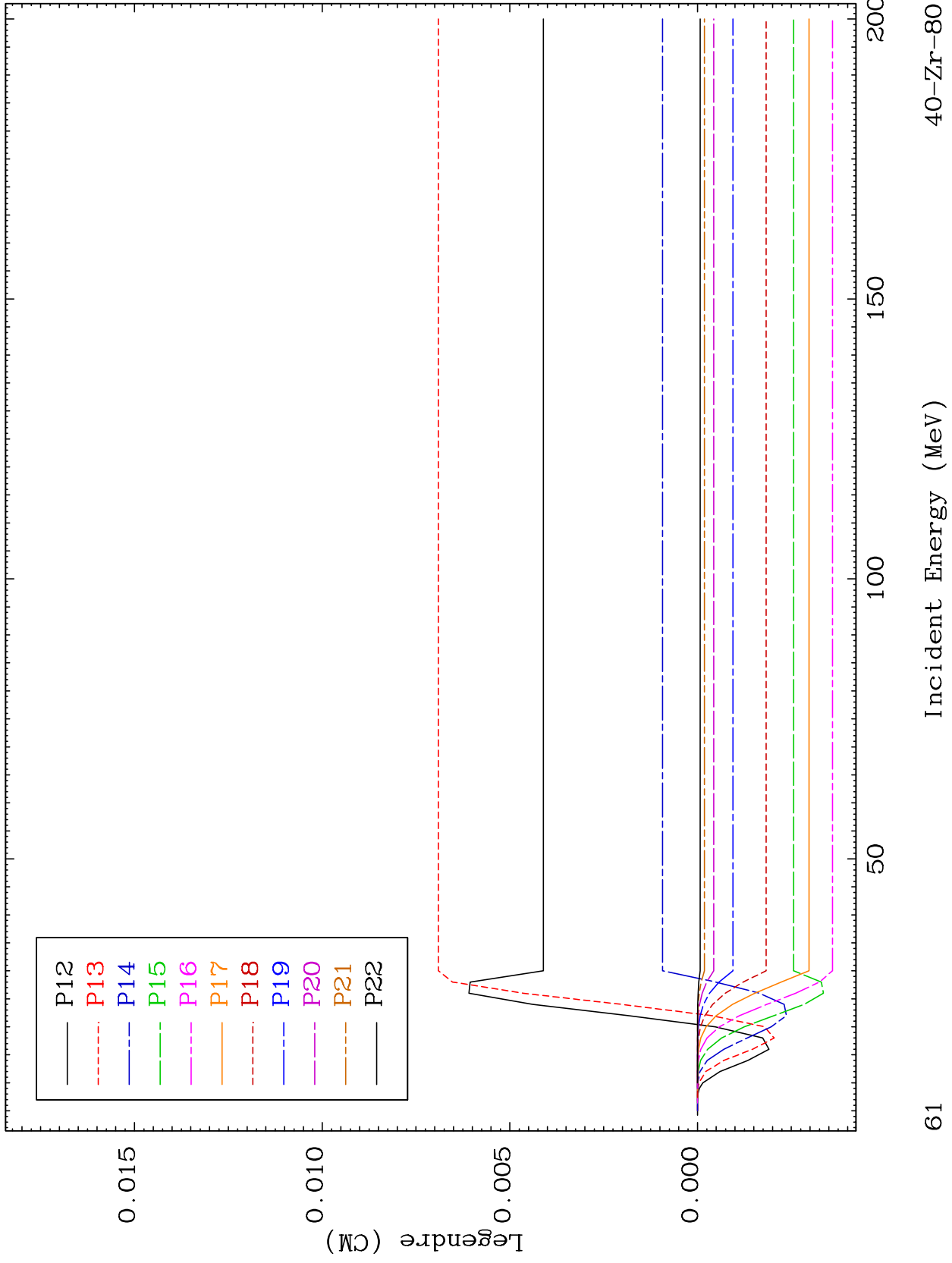


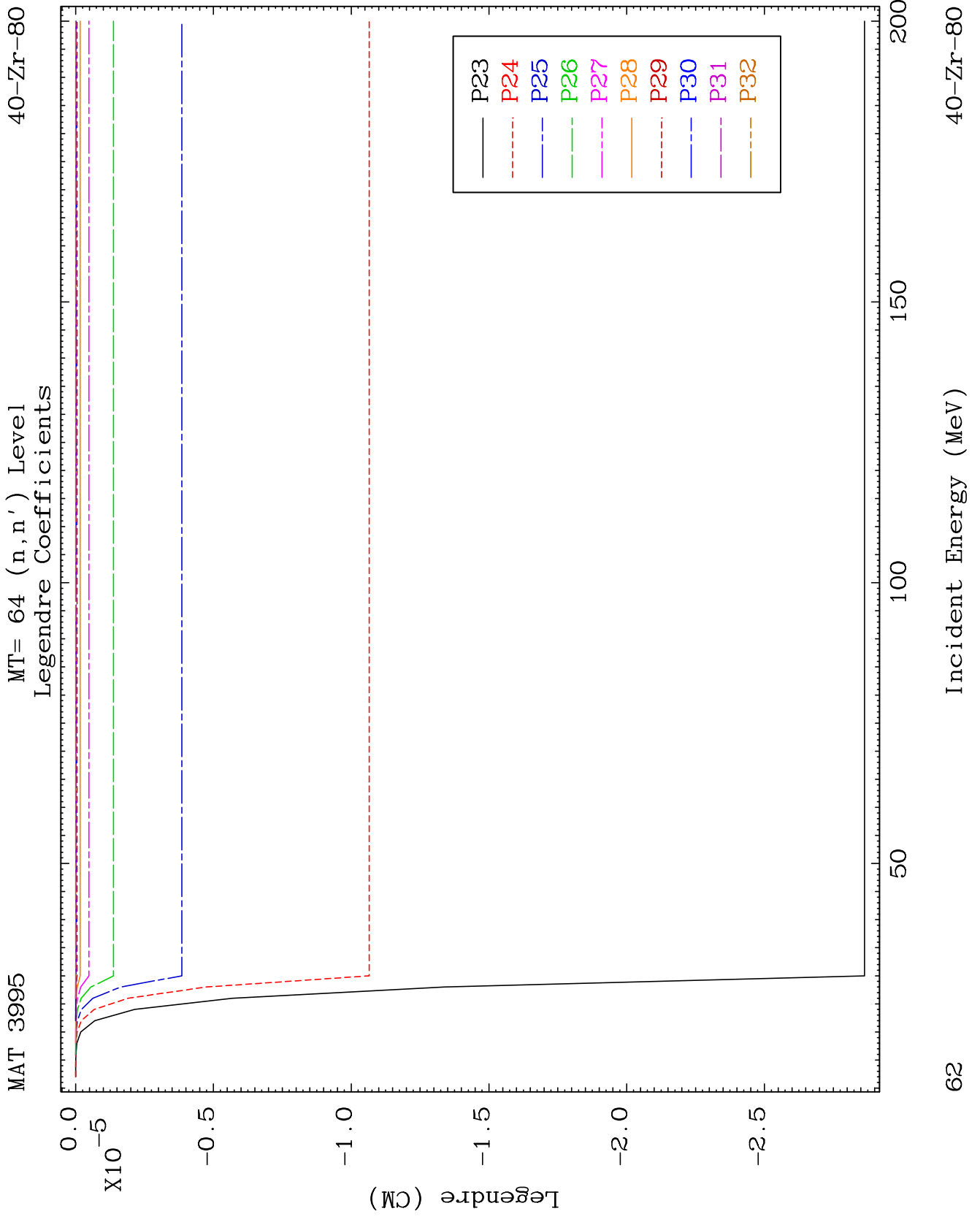


MAT 3995

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

40-Zr-80



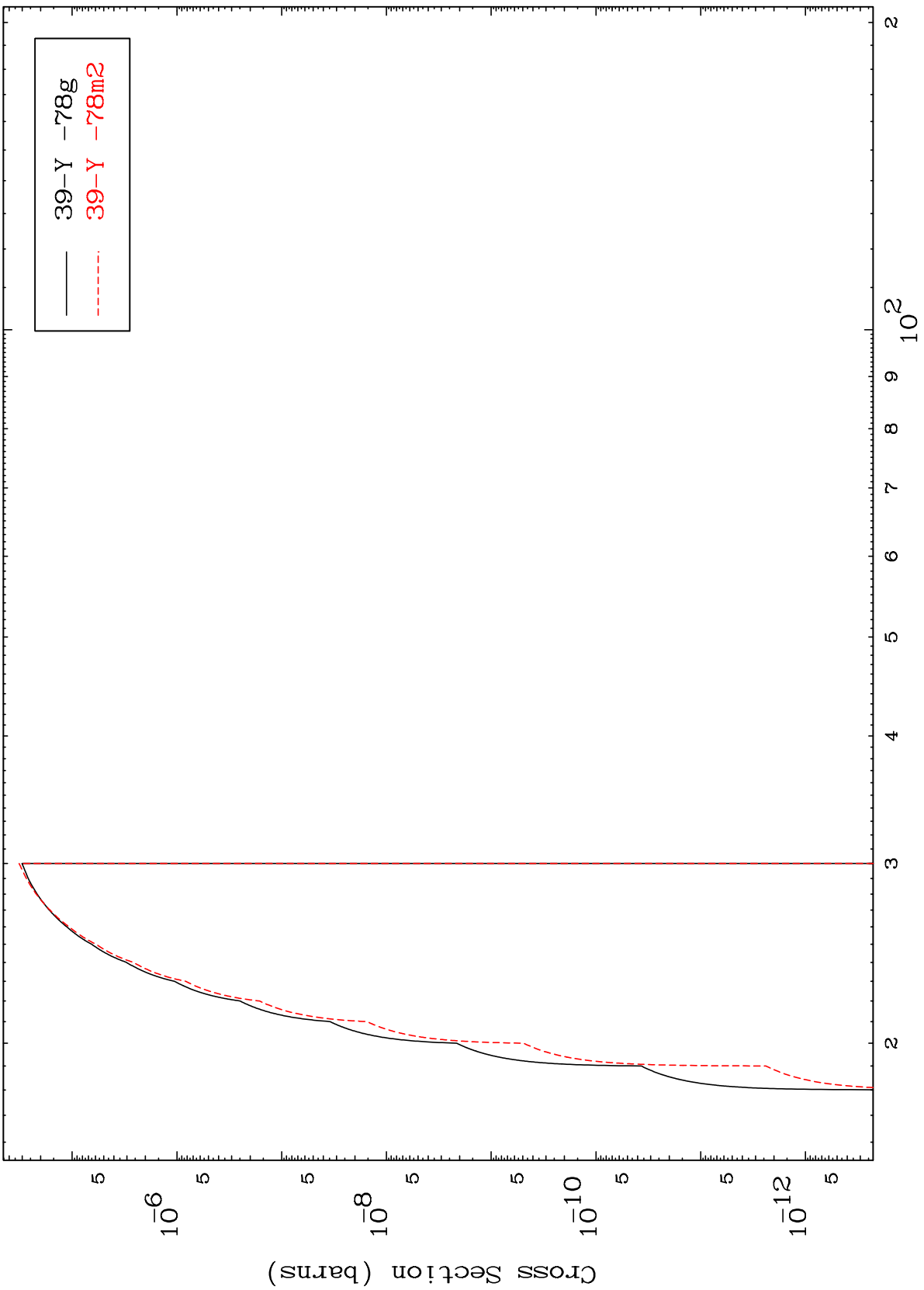


MAT 3995

(n,n') d

40-Zr-80

Radionuclide Production Cross Section



39-Y -78g
39-Y -78m2

63

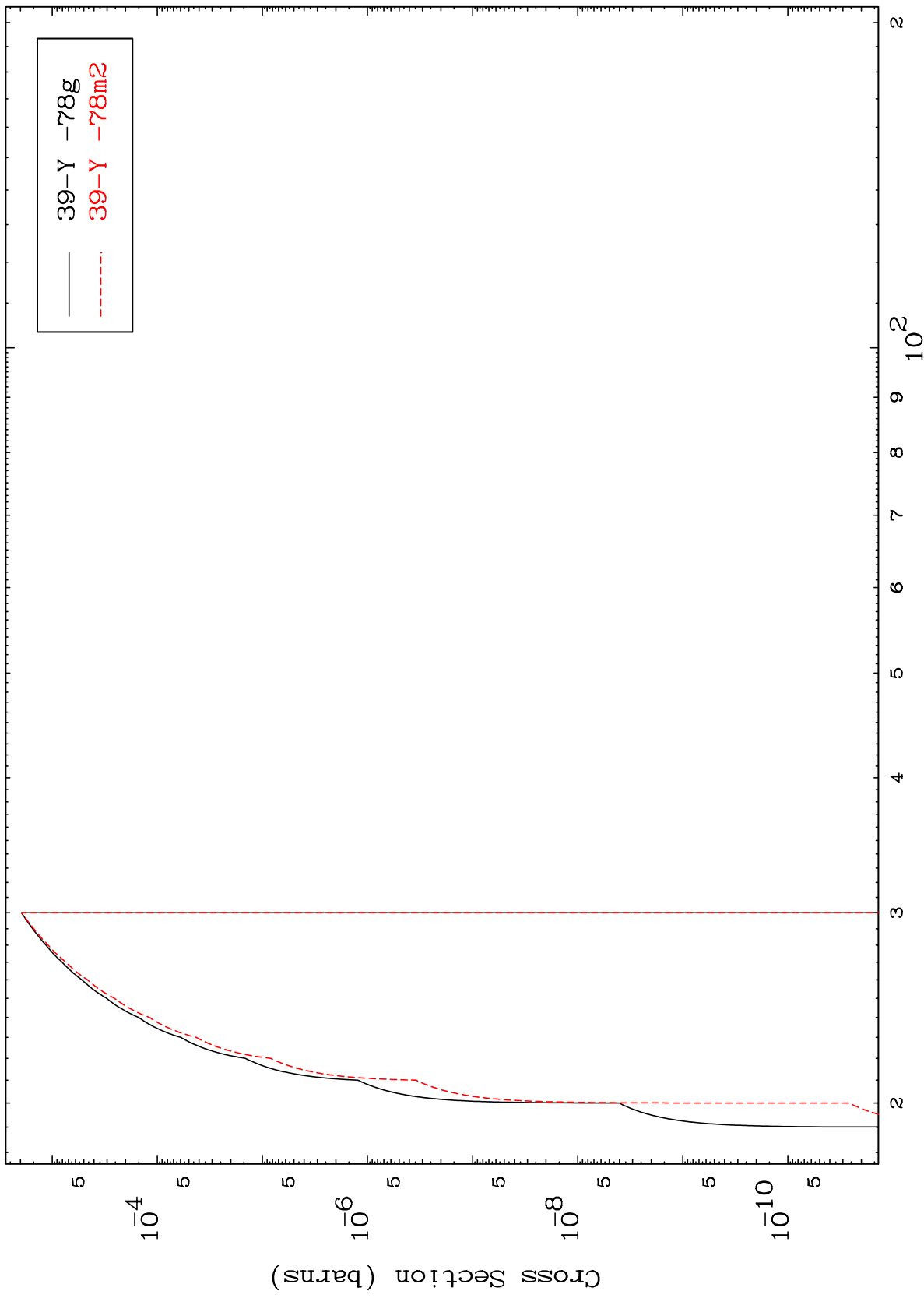
Incident Energy (MeV)

40-Zr-80

MAT 3995

40-Zr-80

(n,2n) p
Radionuclide Production Cross Section



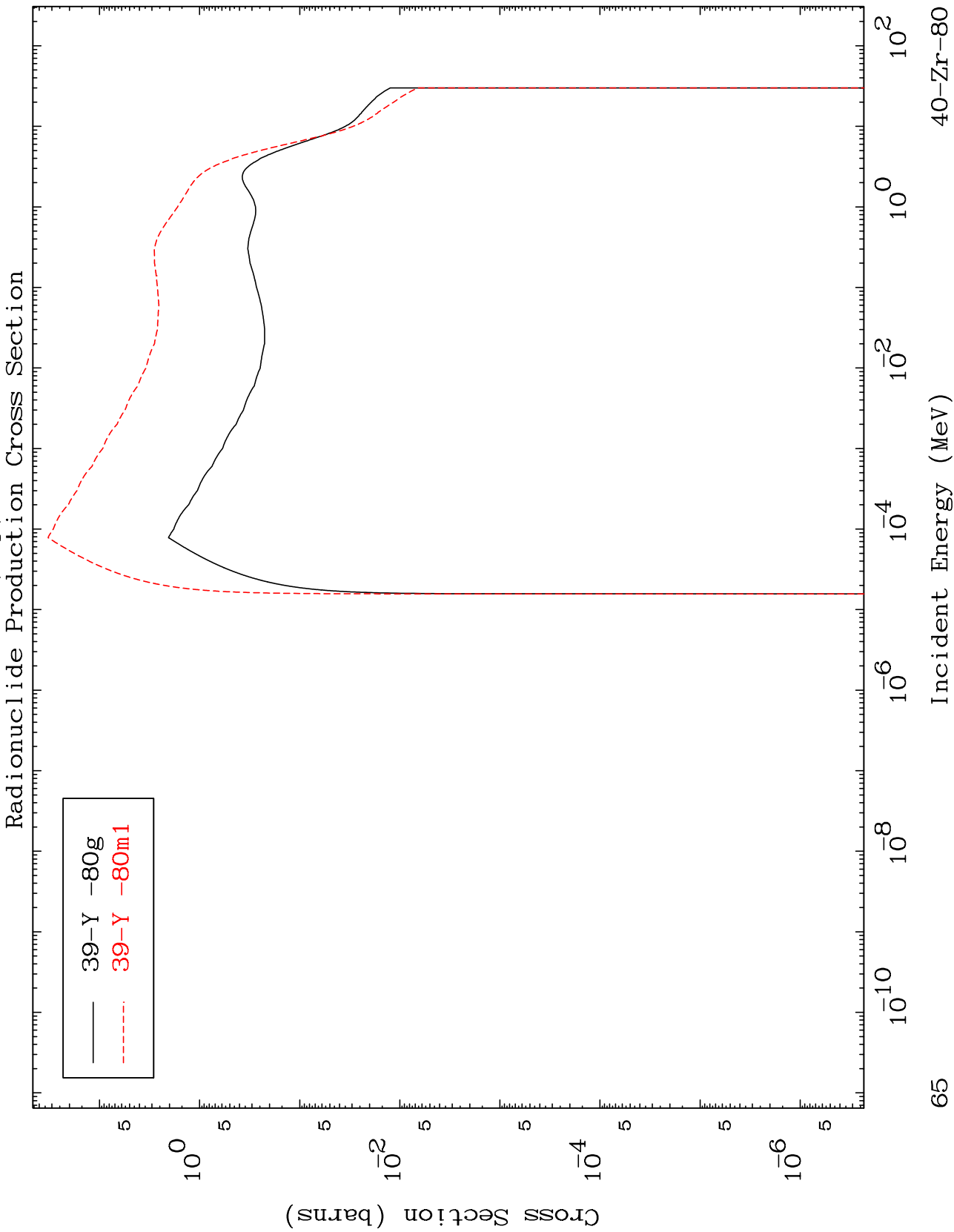
64

Incident Energy (MeV)

40-Zr-80

MAT 3995

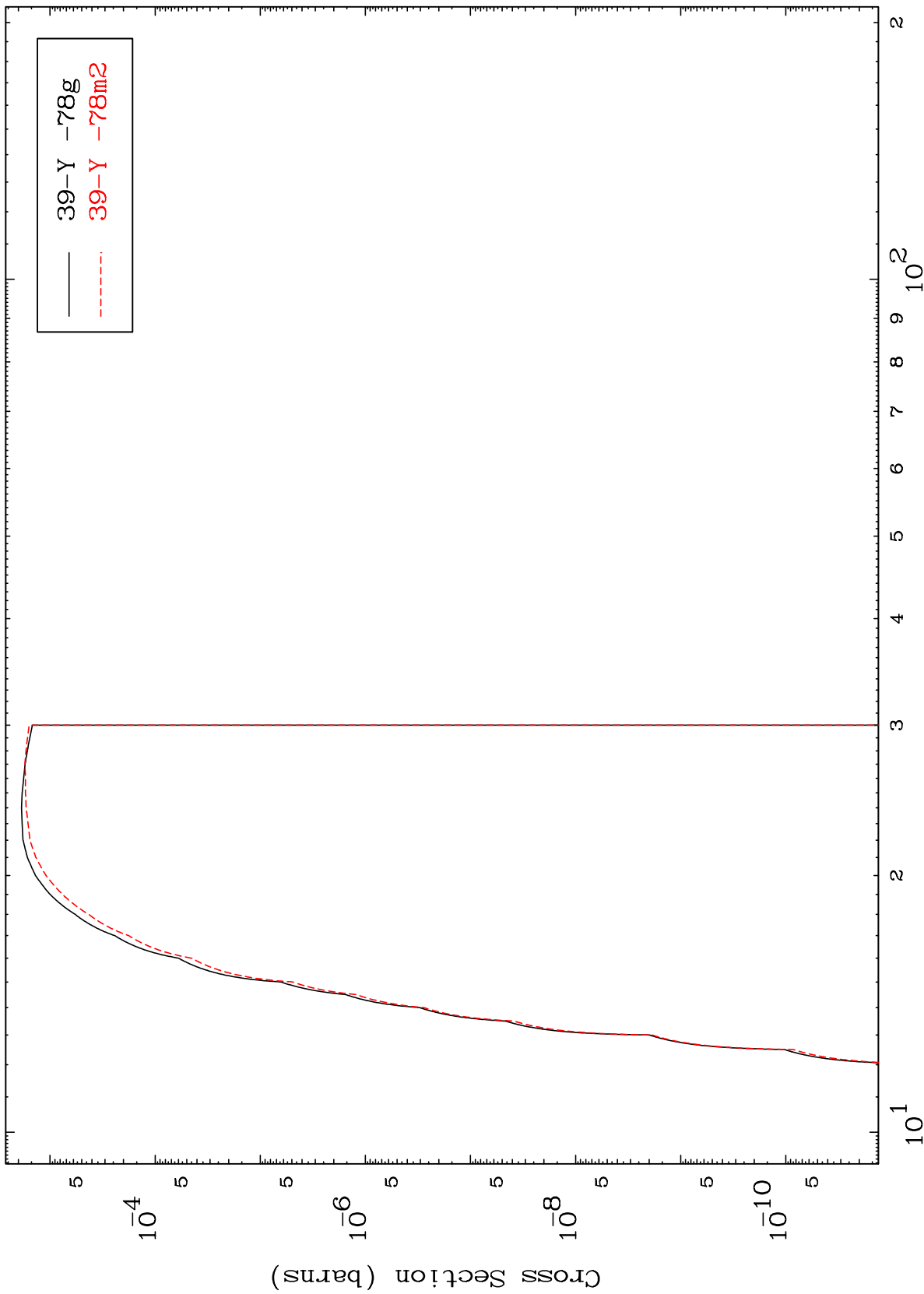
40-Zr-80



MAT 3995

40-Zr-80

(n, t)
Radionuclide Production Cross Section



66

Incident Energy (MeV)

40-Zr-80