

Program EVALPLOT  
(Version 2015-2)

by

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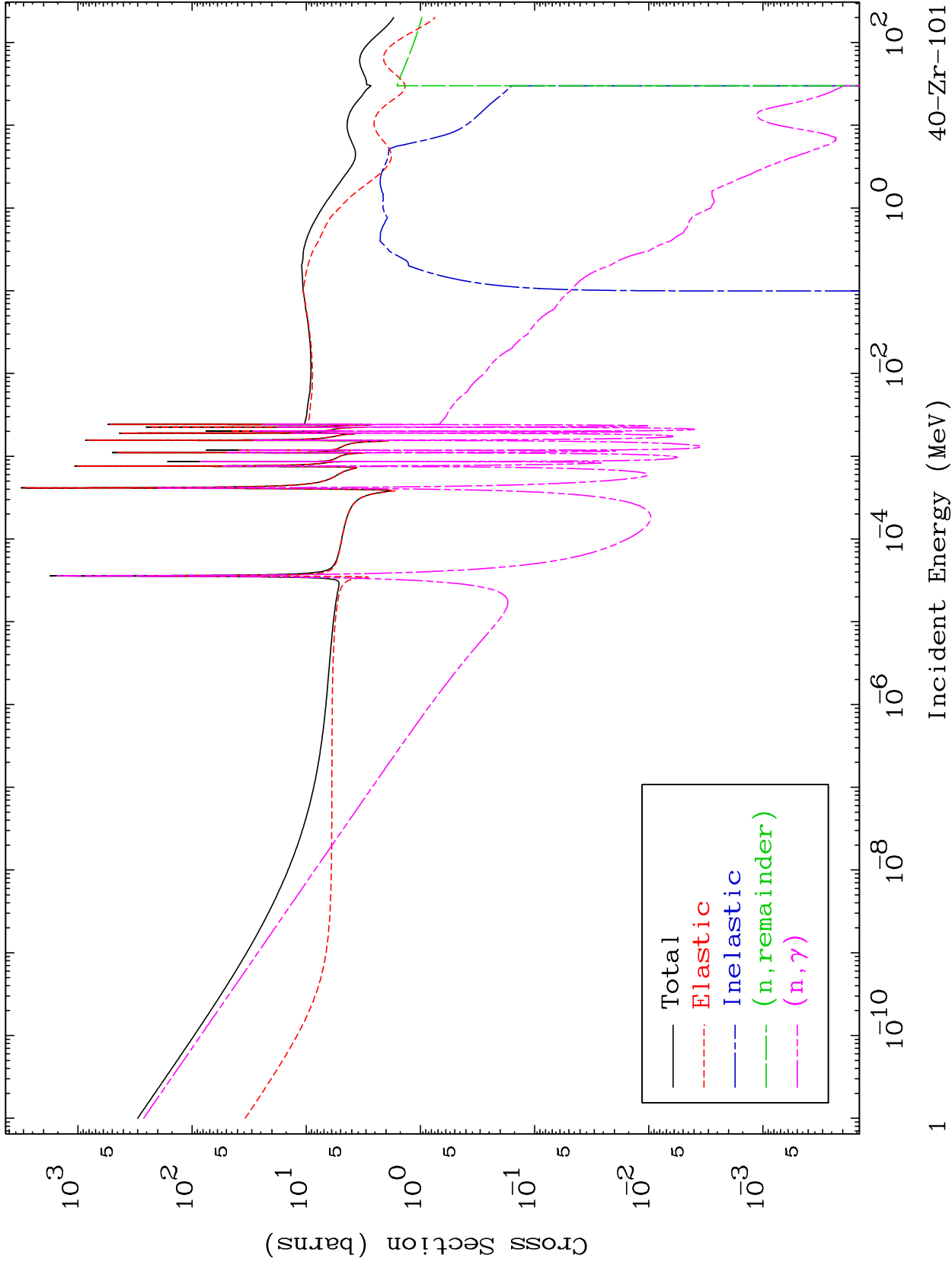
Press Mouse Button to Start

MAT 4058

Major

293 Kelvin Cross Sections

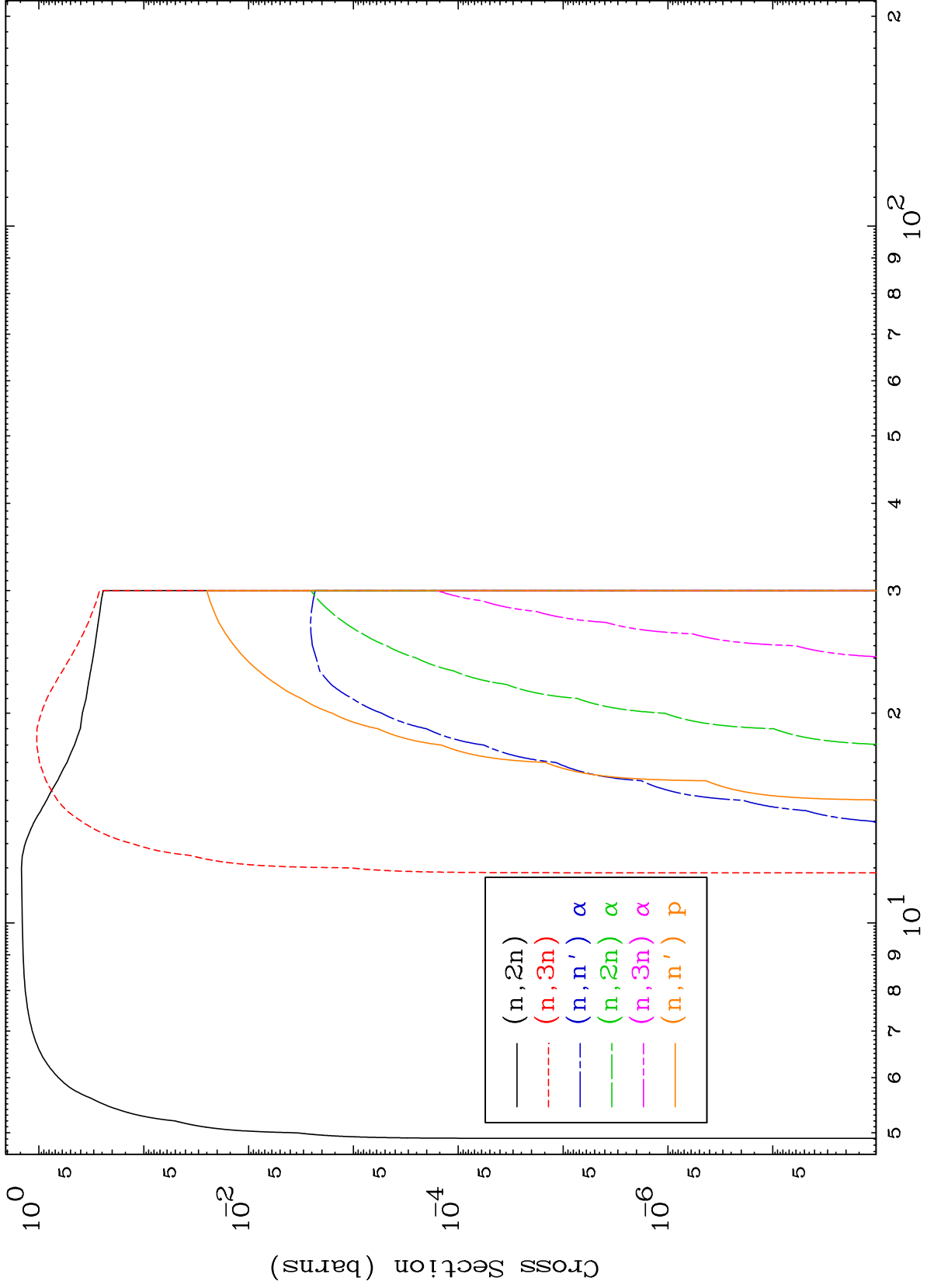
40-Zr-101



MAT 4058

Neutron Production  
293 Kelvin Cross Sections

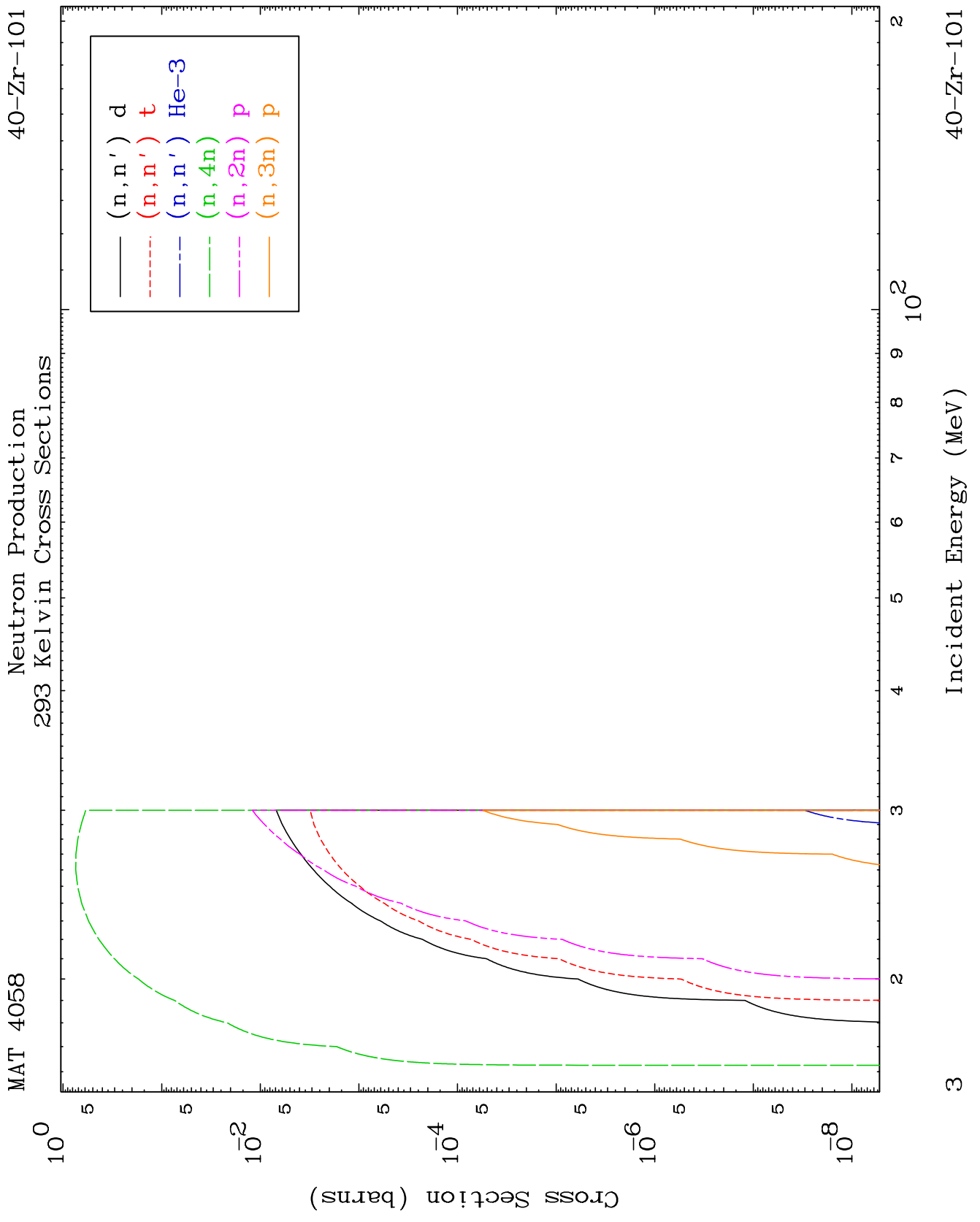
40-Zr-101



2

Incident Energy (MeV)

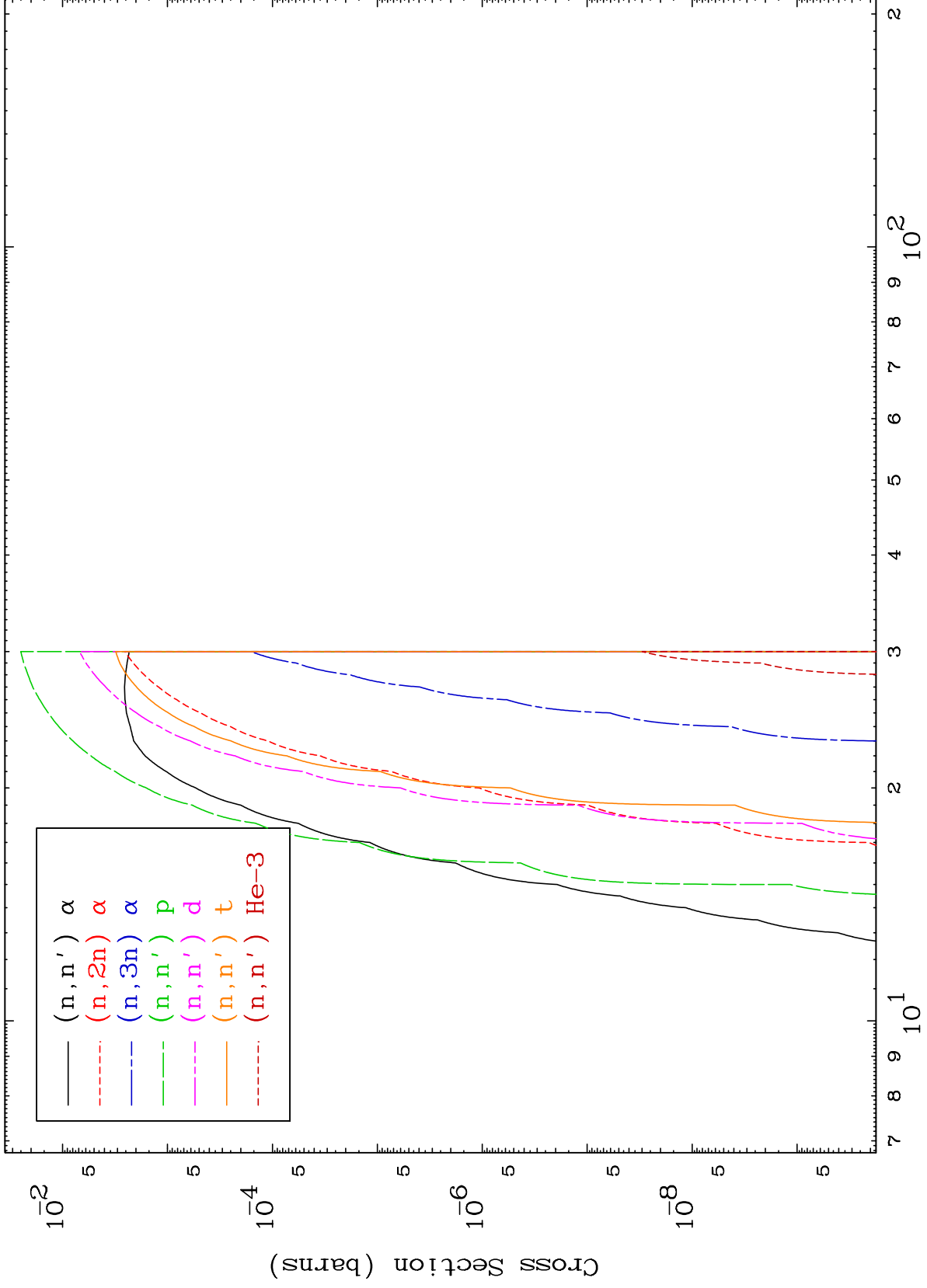
40-Zr-101



MAT 4058

Charged Particle  
293 Kelvin Cross Sections

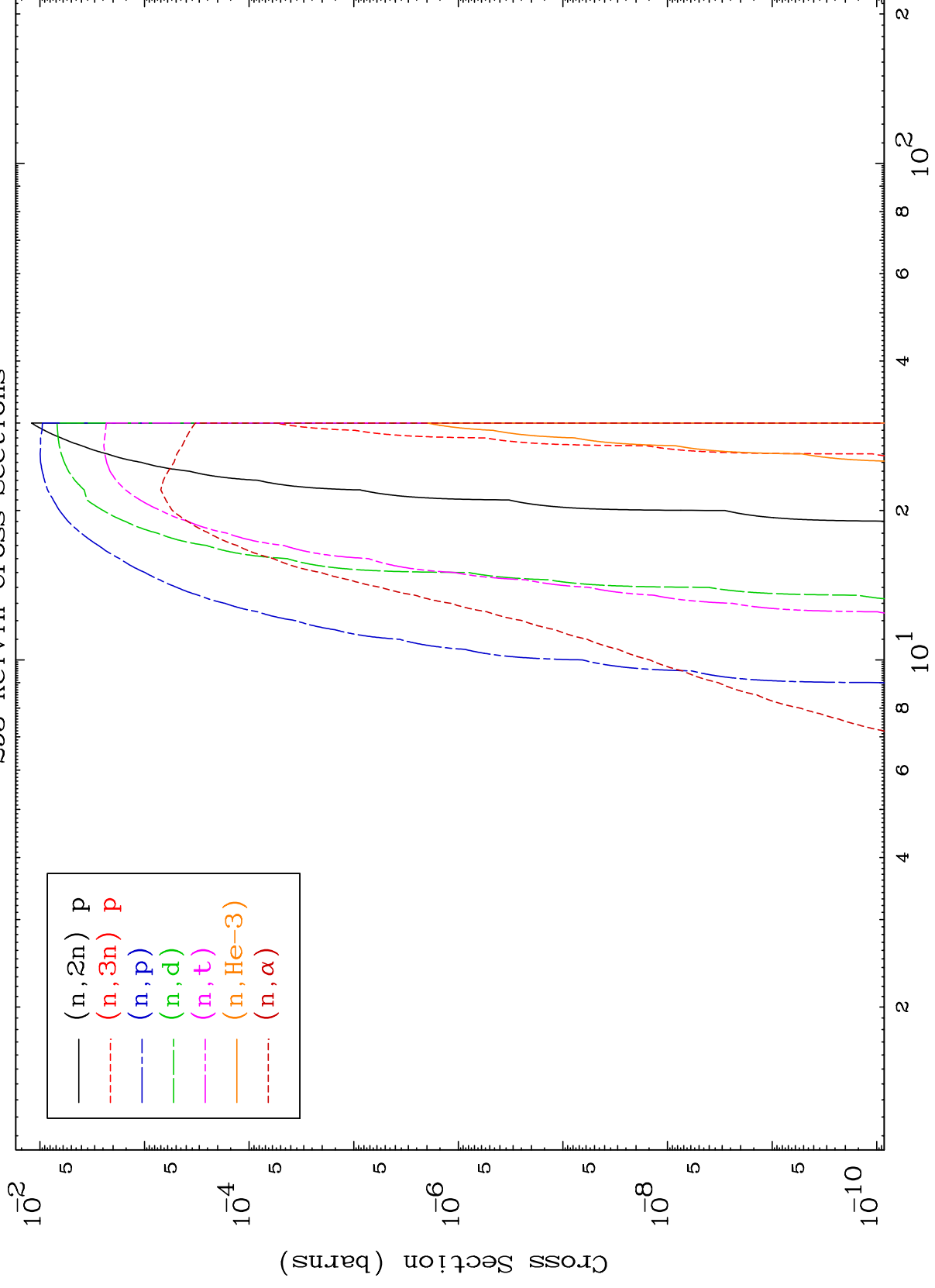
40-Zr-101



4

Incident Energy (MeV)

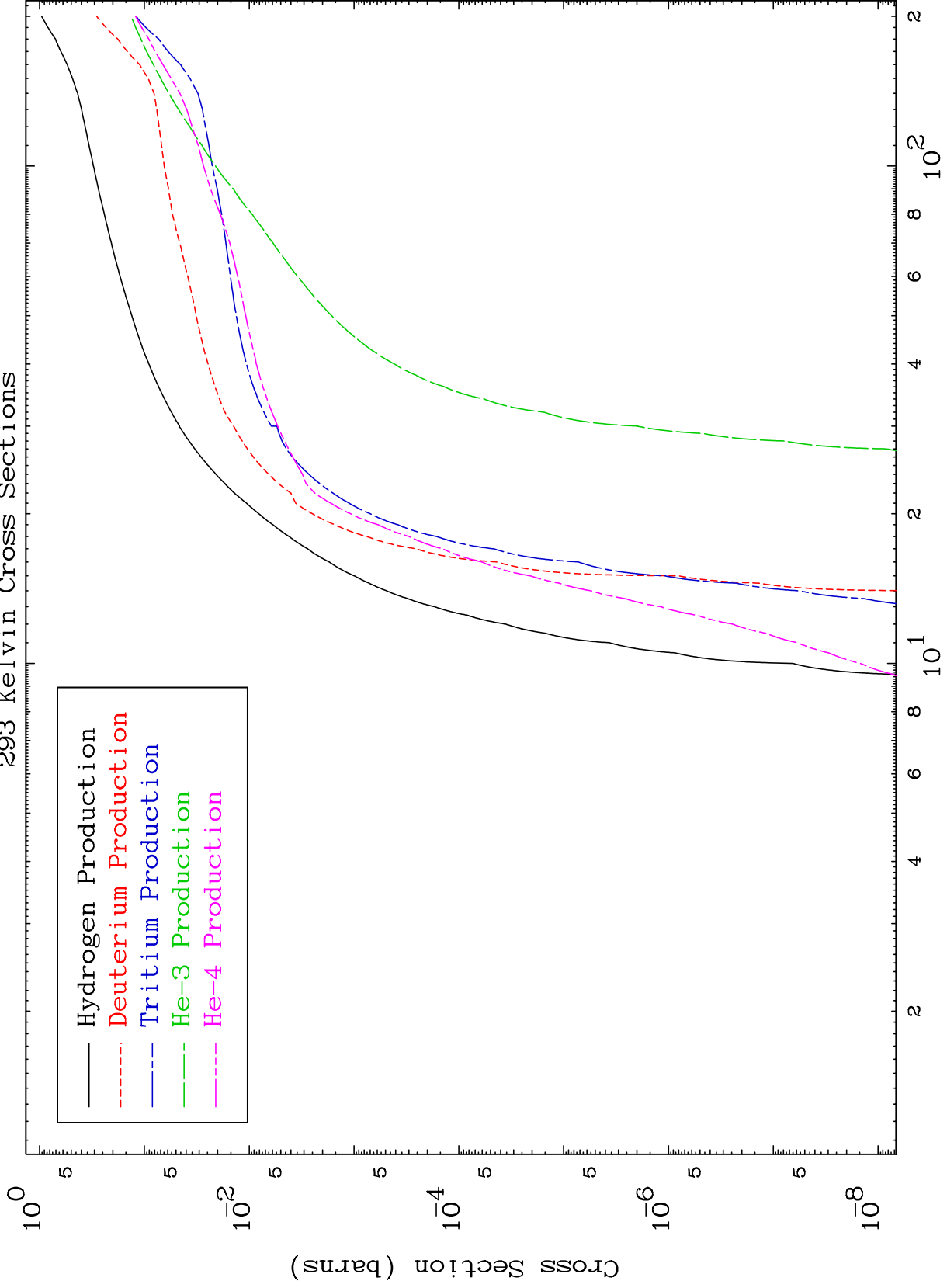
40-Zr-101



MAT 4058

Particle Production  
293 Kelvin Cross Sections

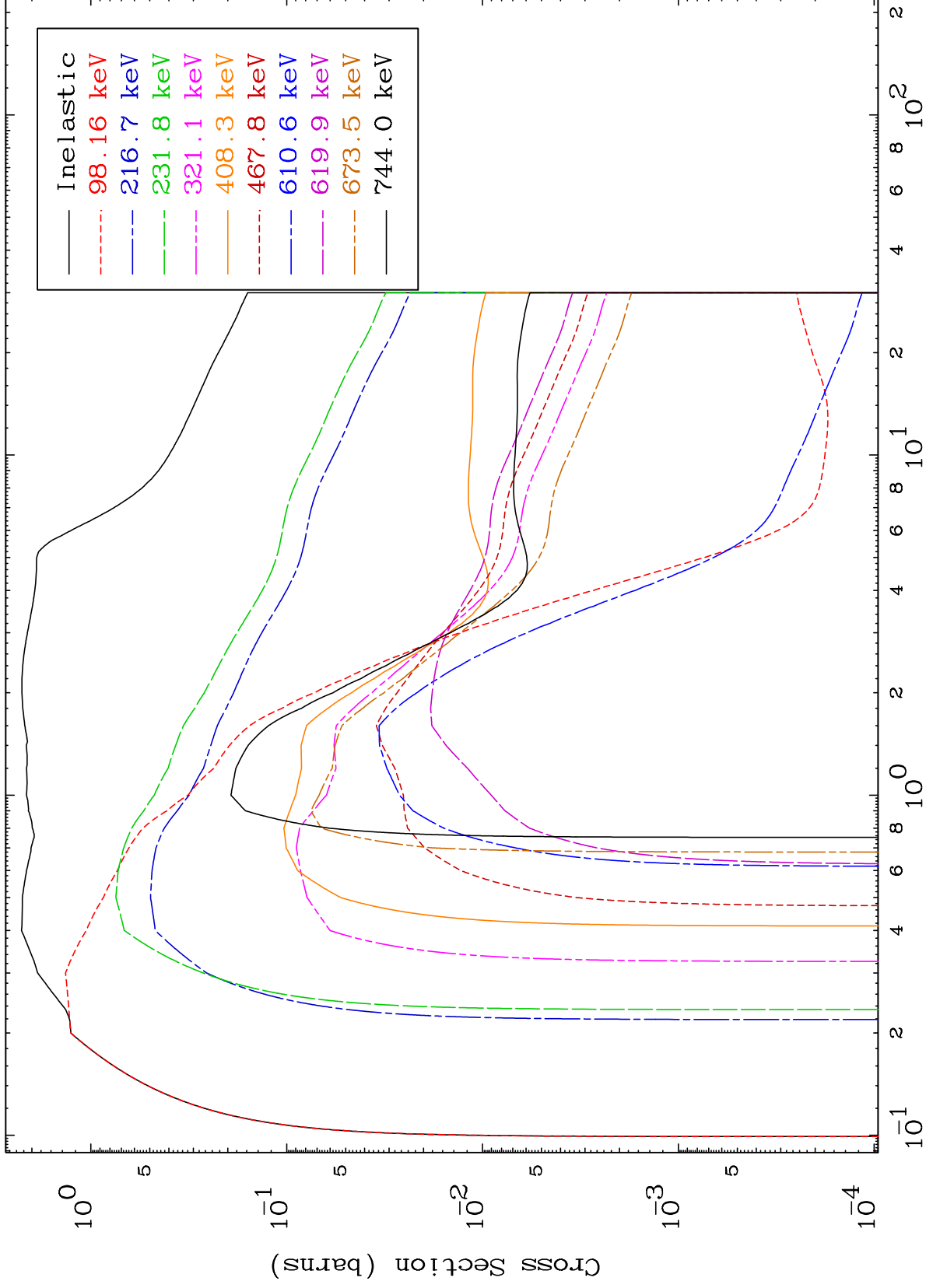
40-Zr-101



MAT 4058

(n,n') Level  
293 Kelvin Cross Sections

40-Zr-101



Incident Energy (MeV)

40-Zr-101

7

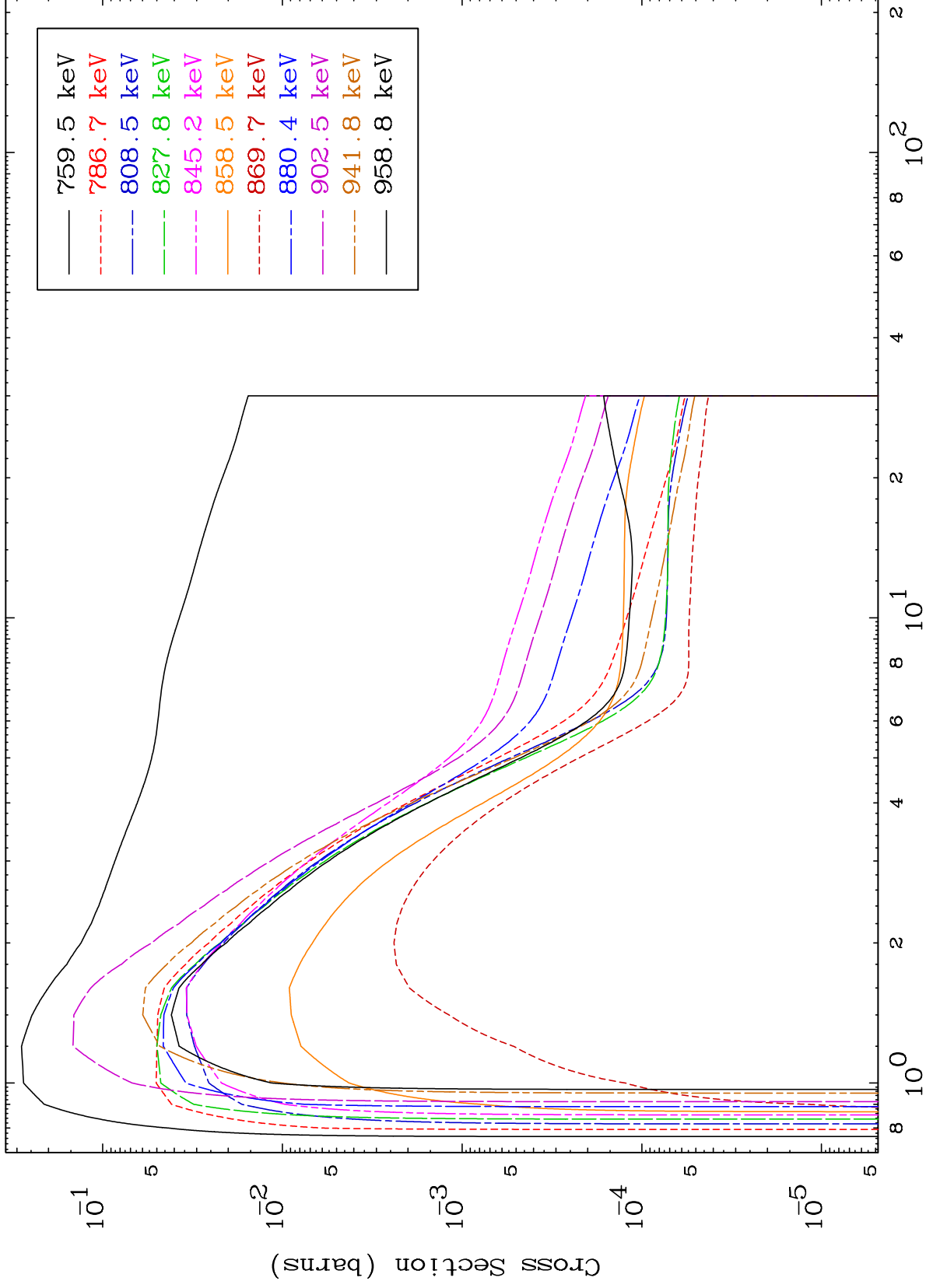


MAT 4058

(n,n') Level

40-Zr-101

293 Kelvin Cross Sections



8

Incident Energy (MeV)

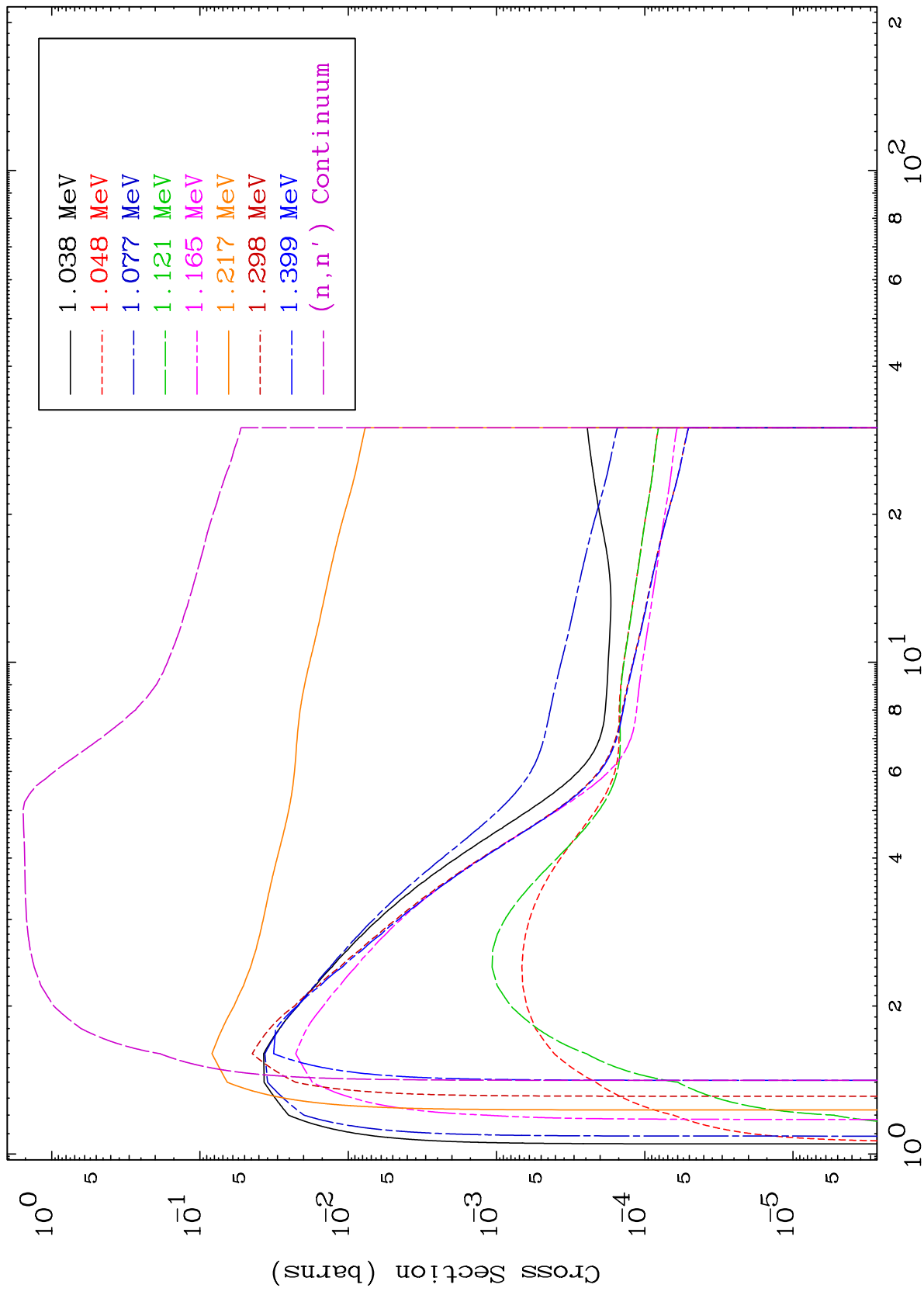
40-Zr-101

MAT 4058

(n,n') Level

40-Zr-101

293 Kelvin Cross Sections



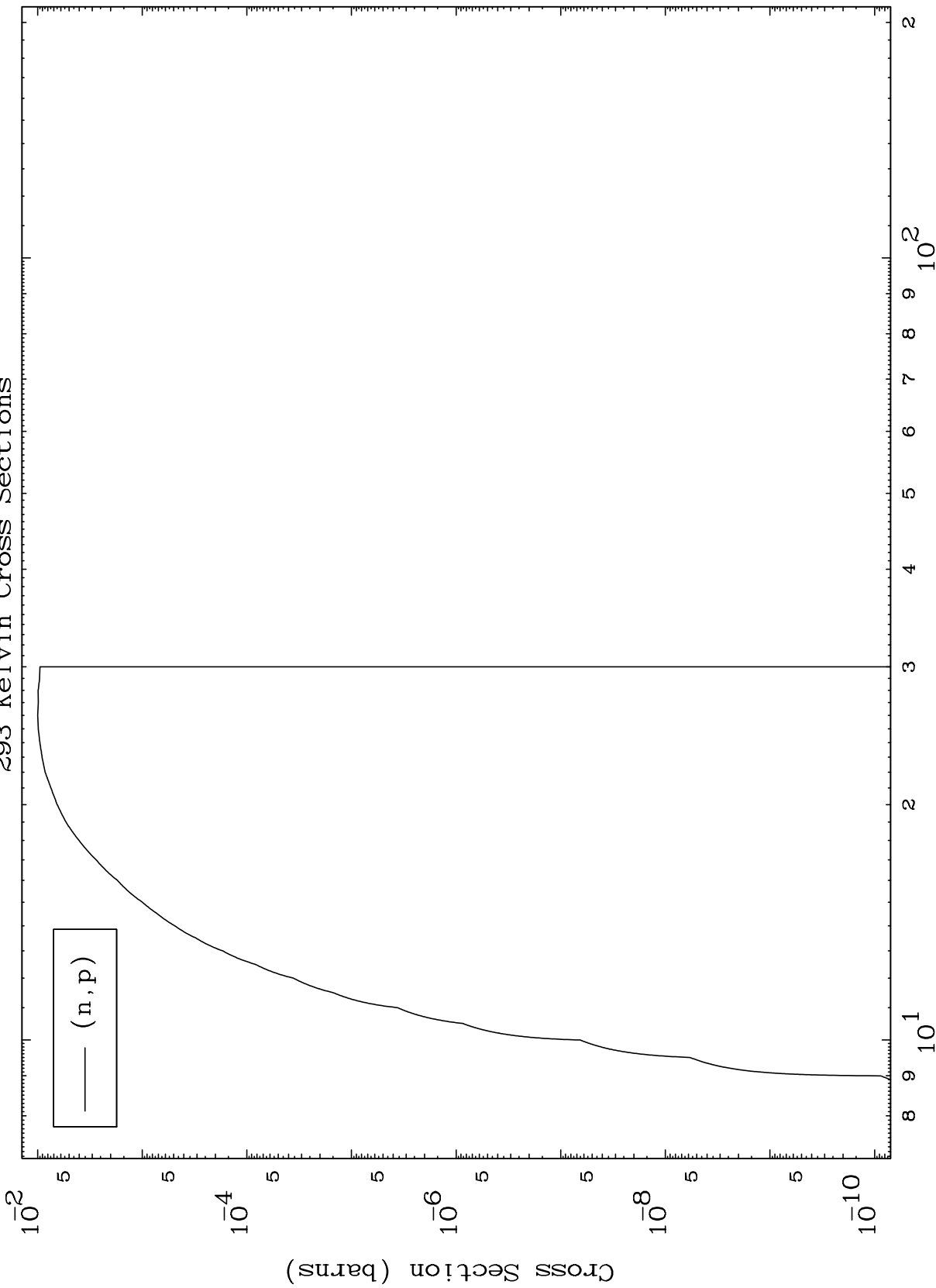
Incident Energy (MeV)

40-Zr-101

MAT 4058

40-Zr-101

(n,p) Levels  
293 Kelvin Cross Sections



(n,p)

40-Zr-101

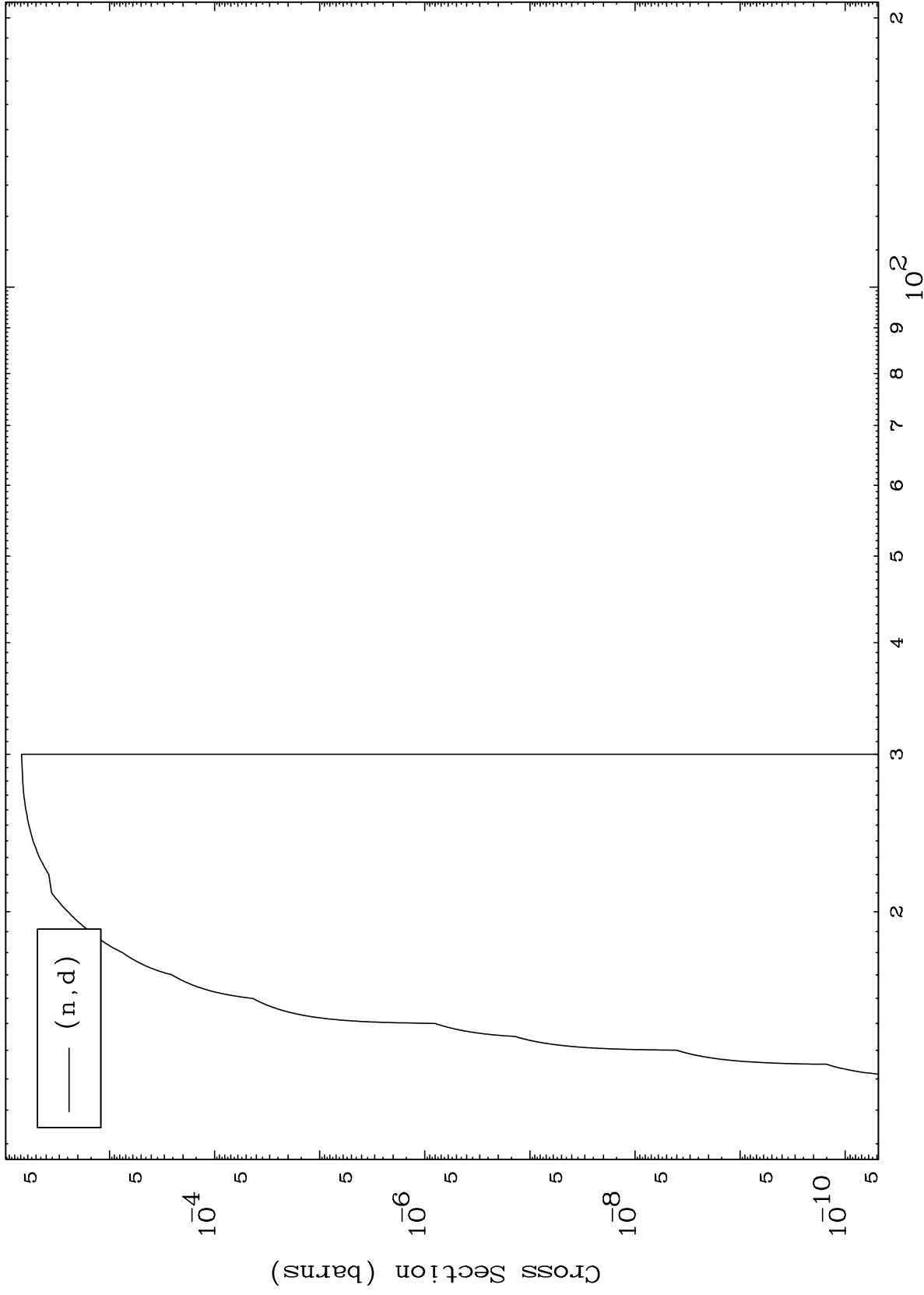
Incident Energy (MeV)

10

MAT 4058

40-Zr-101

(n,d) Levels  
293 Kelvin Cross Sections



11

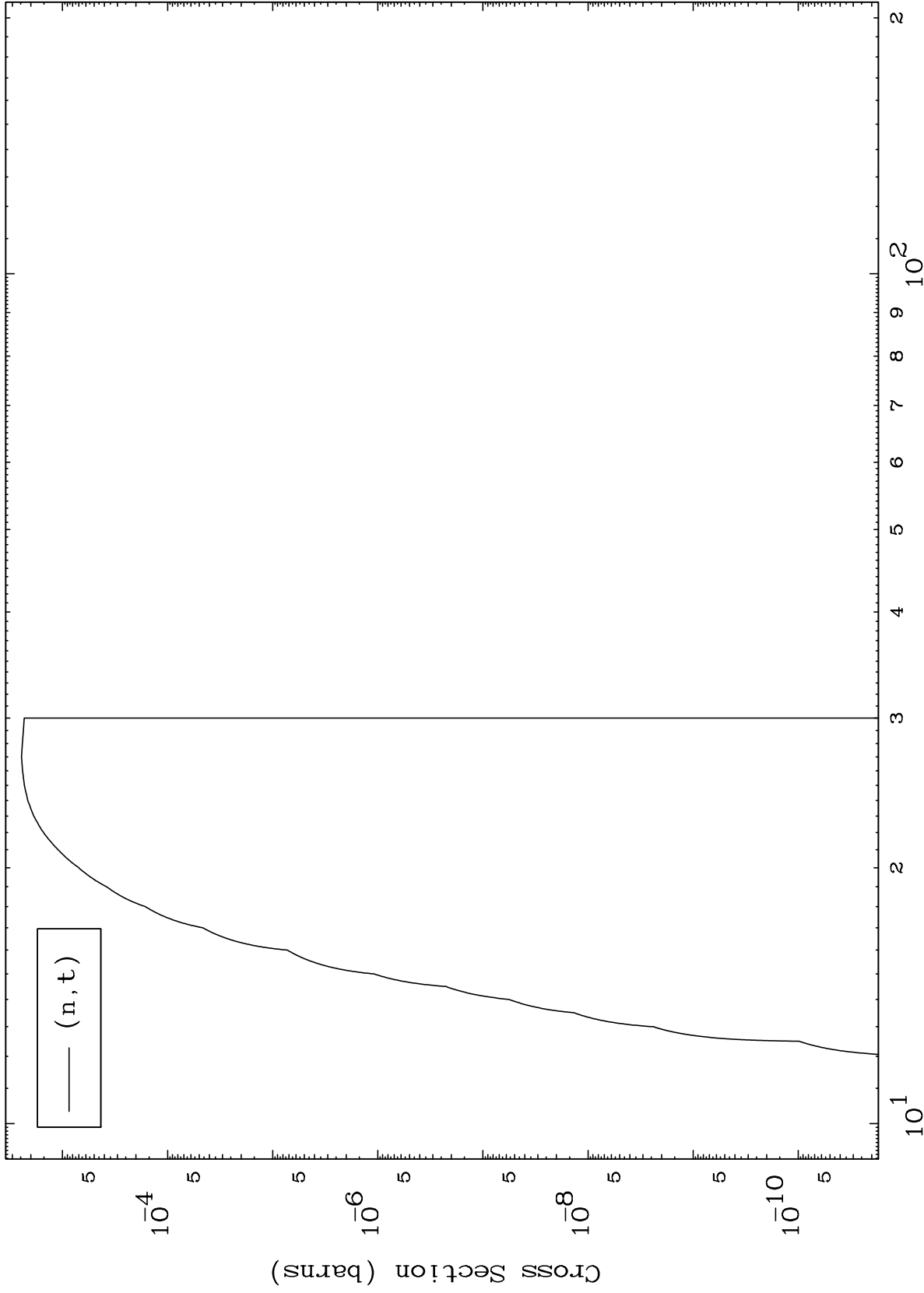
40-Zr-101

Incident Energy (MeV)

MAT 4058

(n,t) Levels  
293 Kelvin Cross Sections

40-Zr-101



12

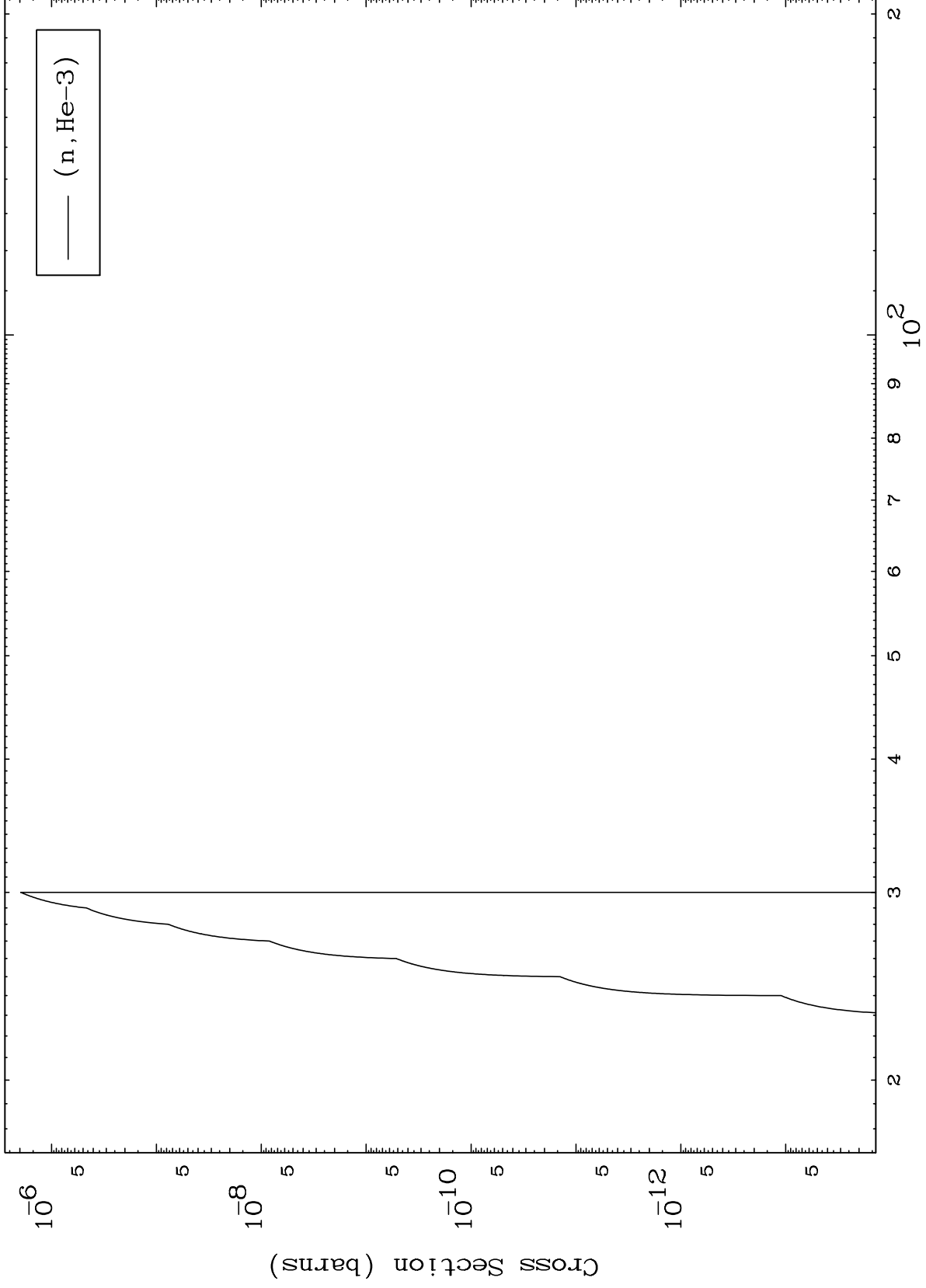
Incident Energy (MeV)

40-Zr-101

MAT 4058

(n,He3) Levels  
293 Kelvin Cross Sections

40-Zr-101



13

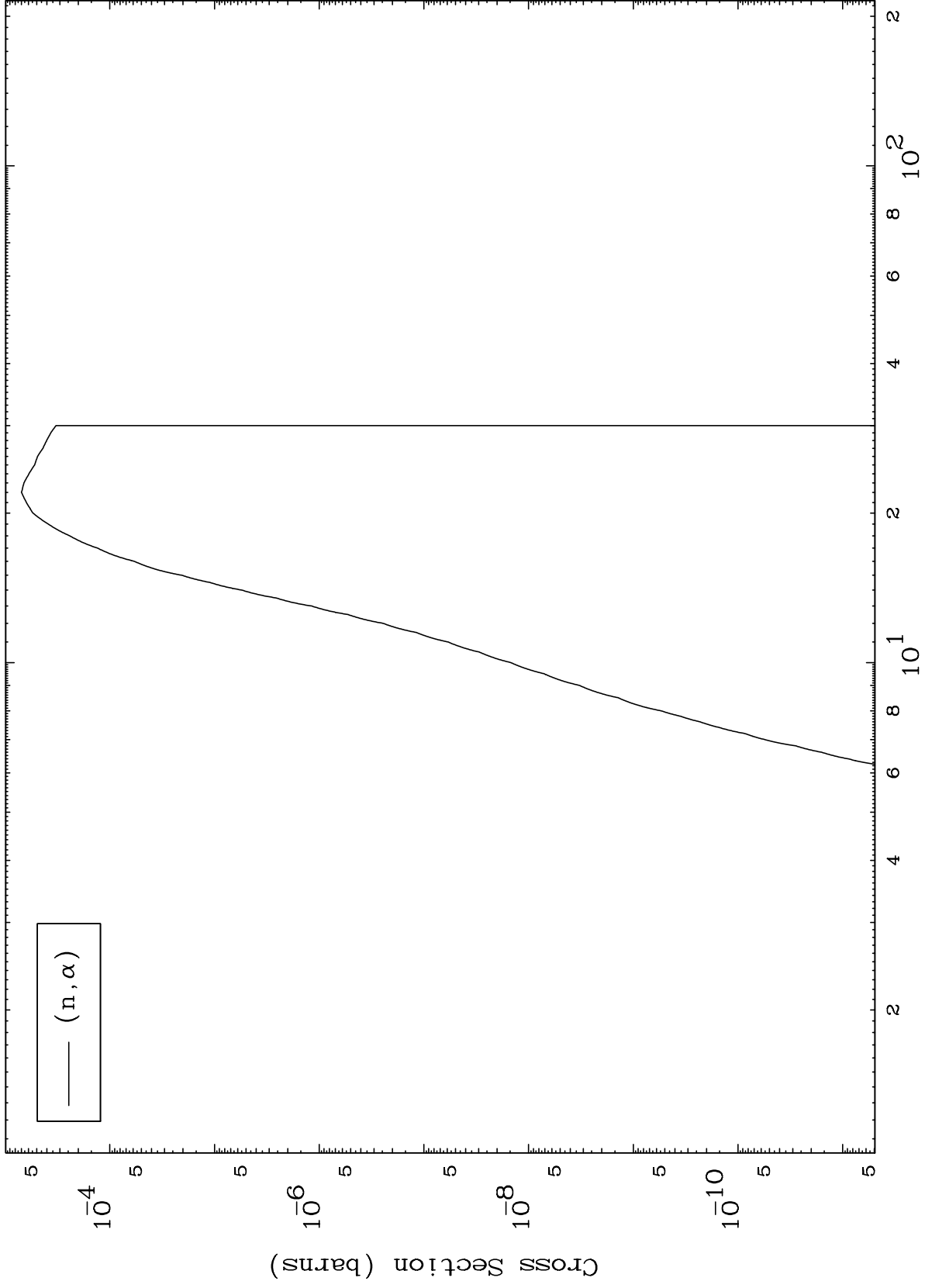
Incident Energy (MeV)

40-Zr-101

MAT 4058

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

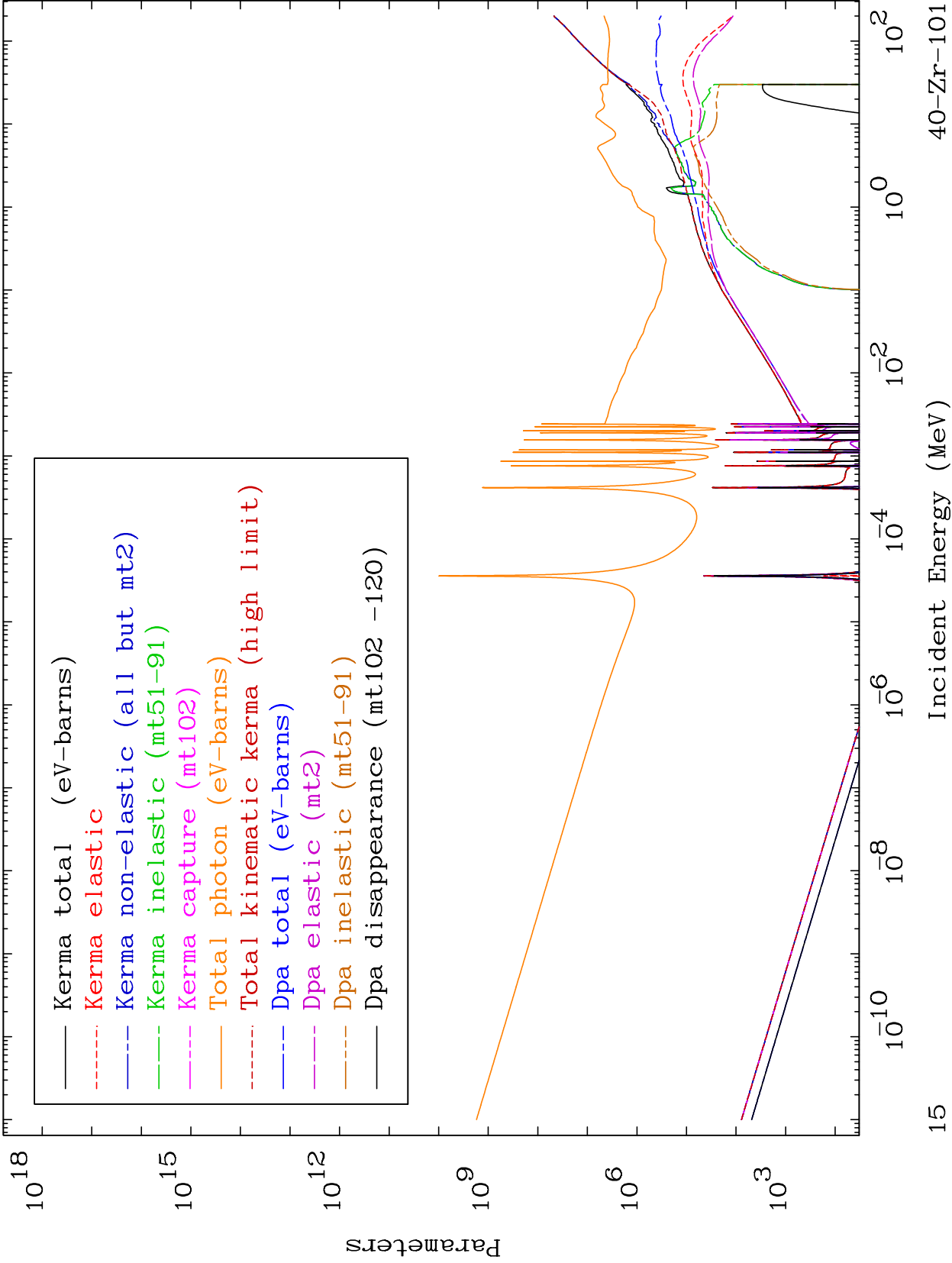
40-Zr-101



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Incident Energy (MeV)

40-Zr-101

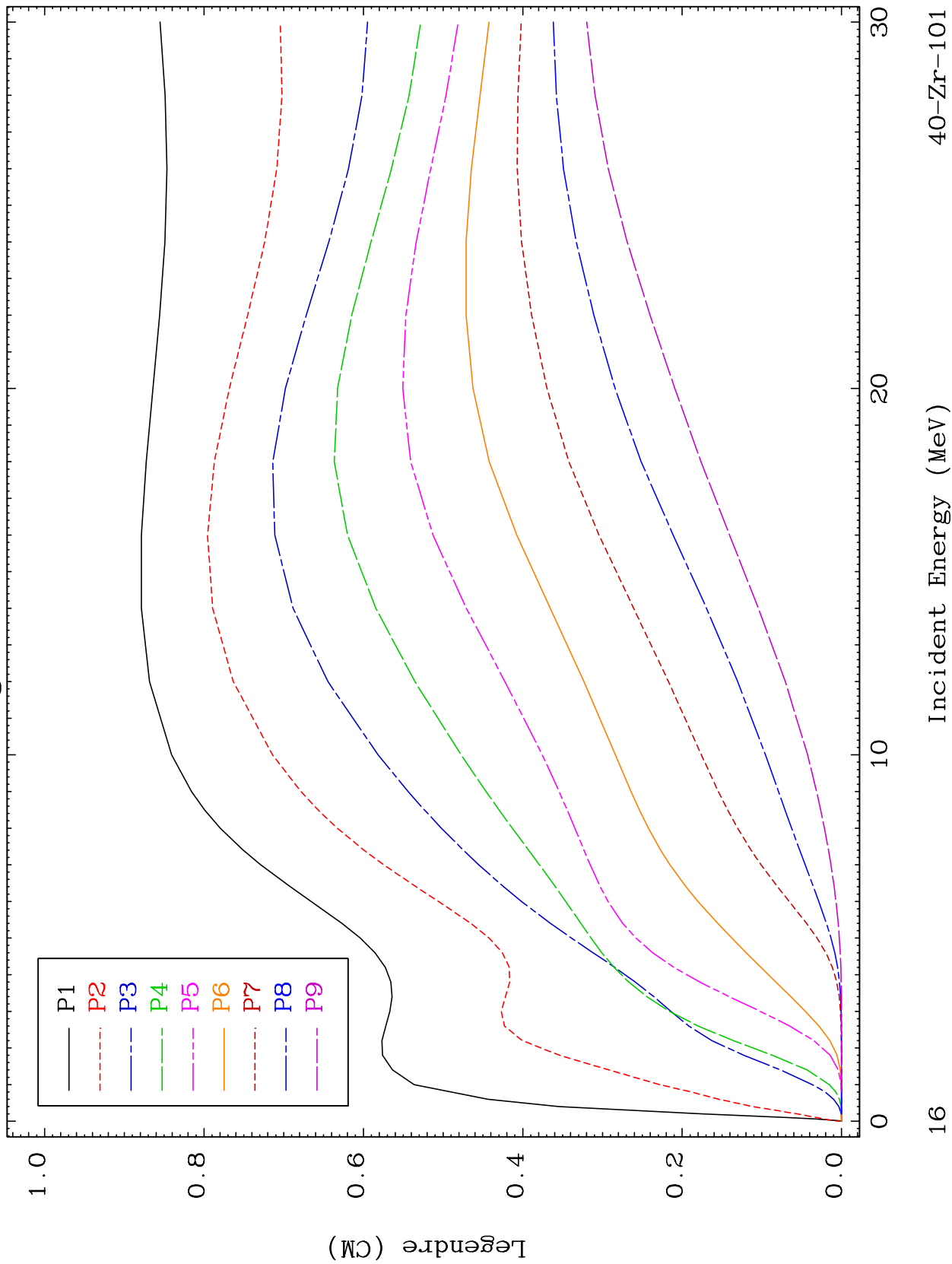




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Elastic Legendre Coefficients

40-Zr-101



16

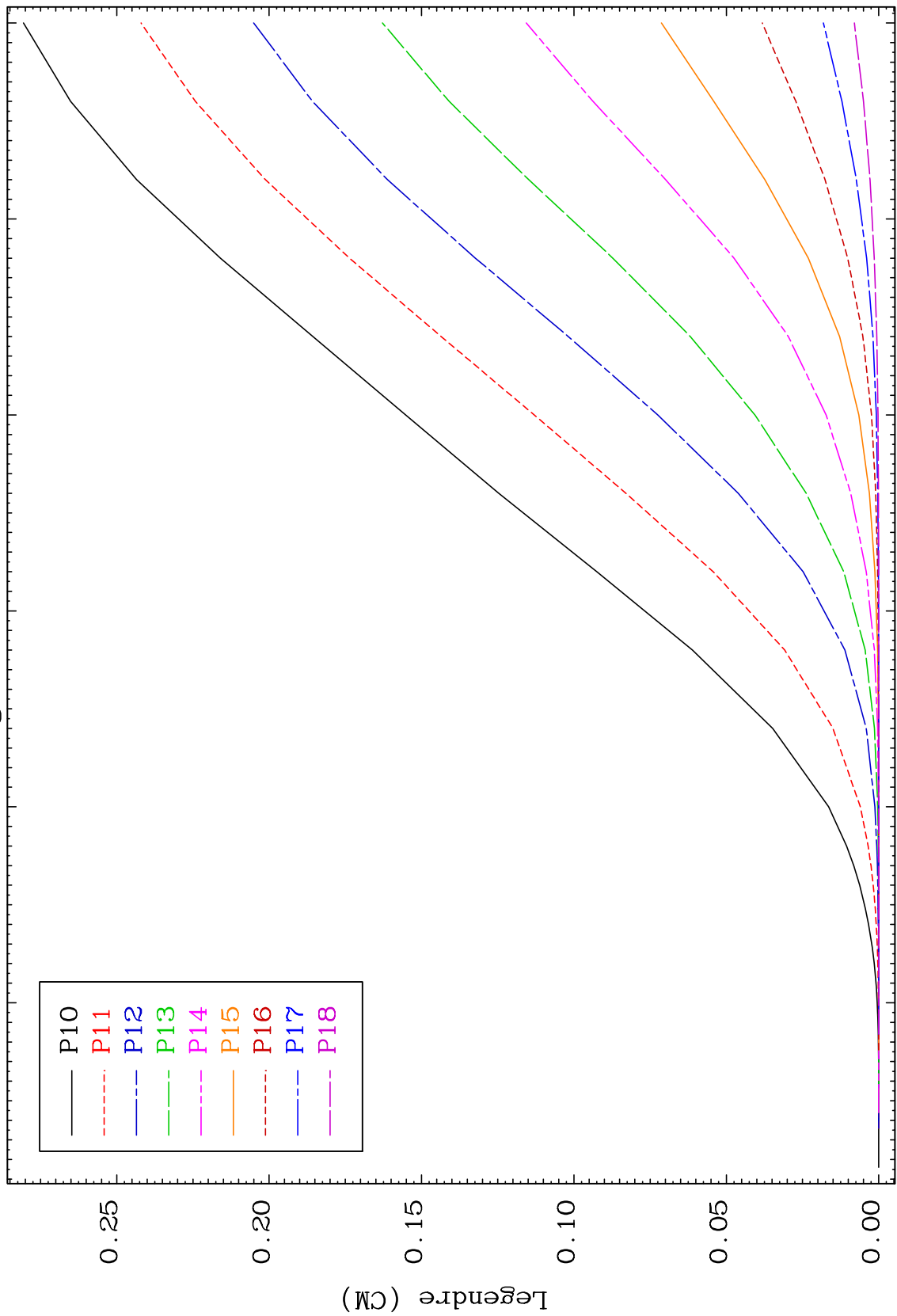
Incident Energy (MeV)

40-Zr-101

MAT 4058

Elastic Legendre Coefficients

40-Zr-101



17

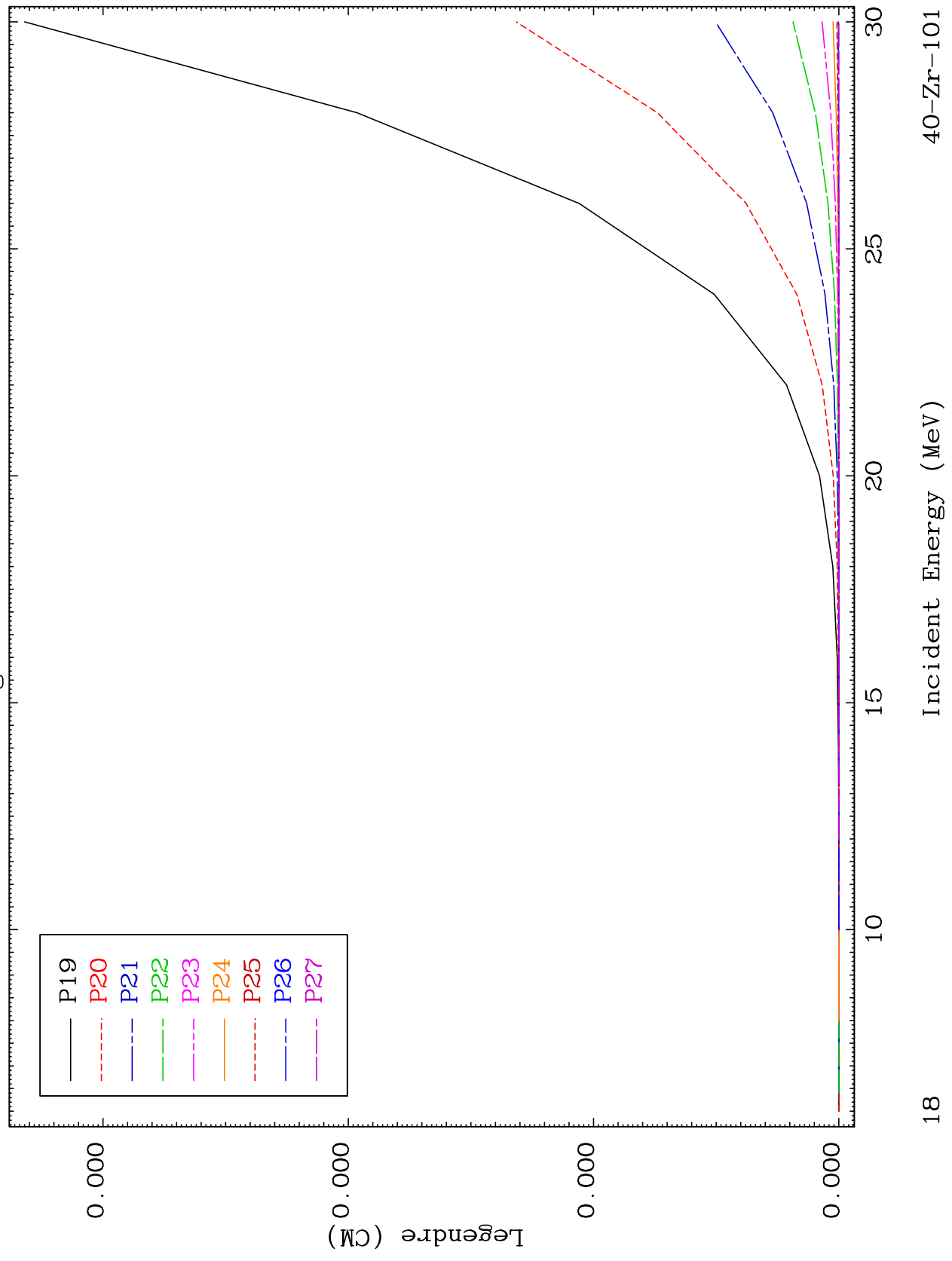
40-Zr-101

Incident Energy (MeV)

MAT 4058

Elastic Legendre Coefficients

40-Zr-101



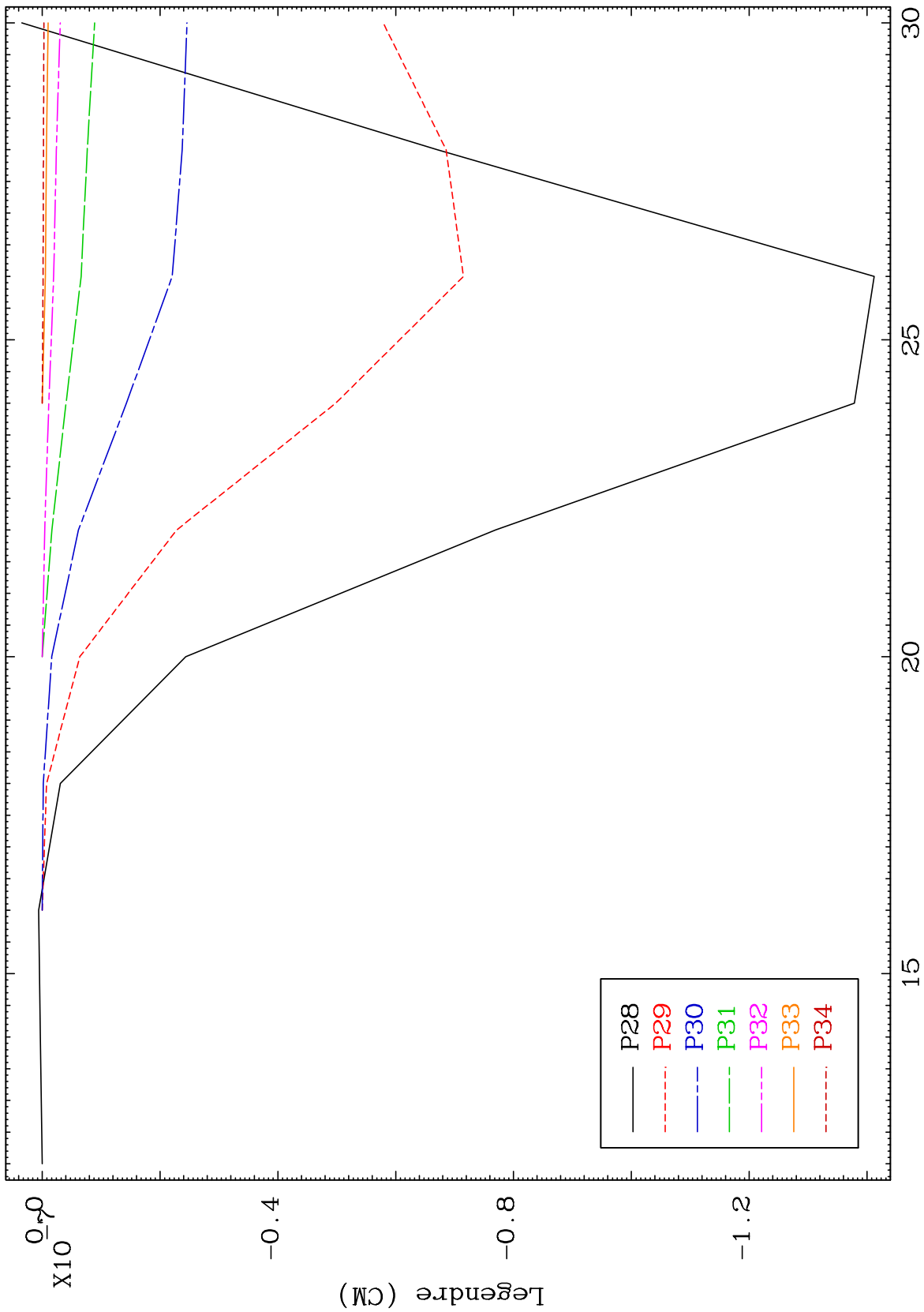
18

40-Zr-101

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40-Zr-101

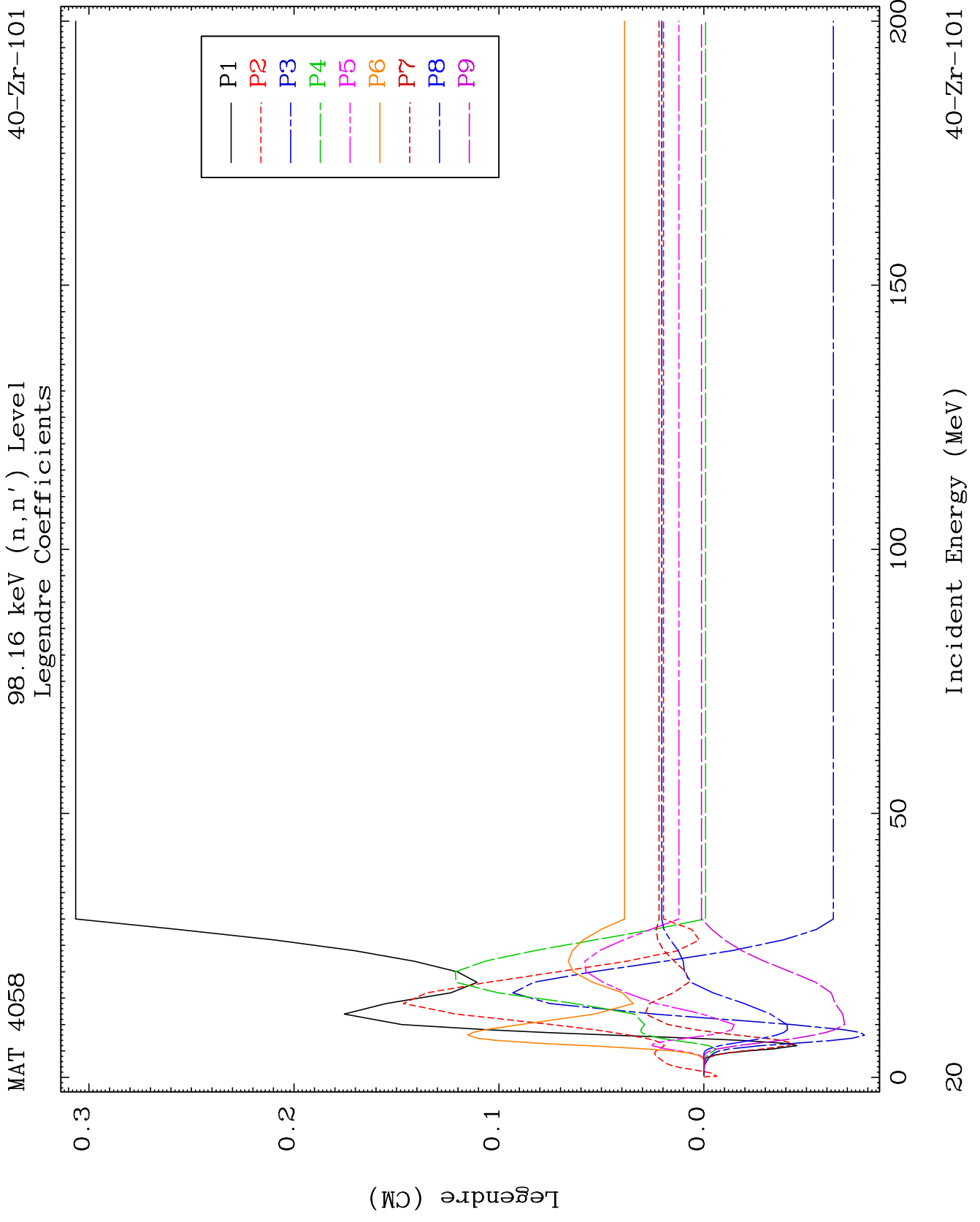
Elastic Legendre Coefficients



19

Incident Energy (MeV)

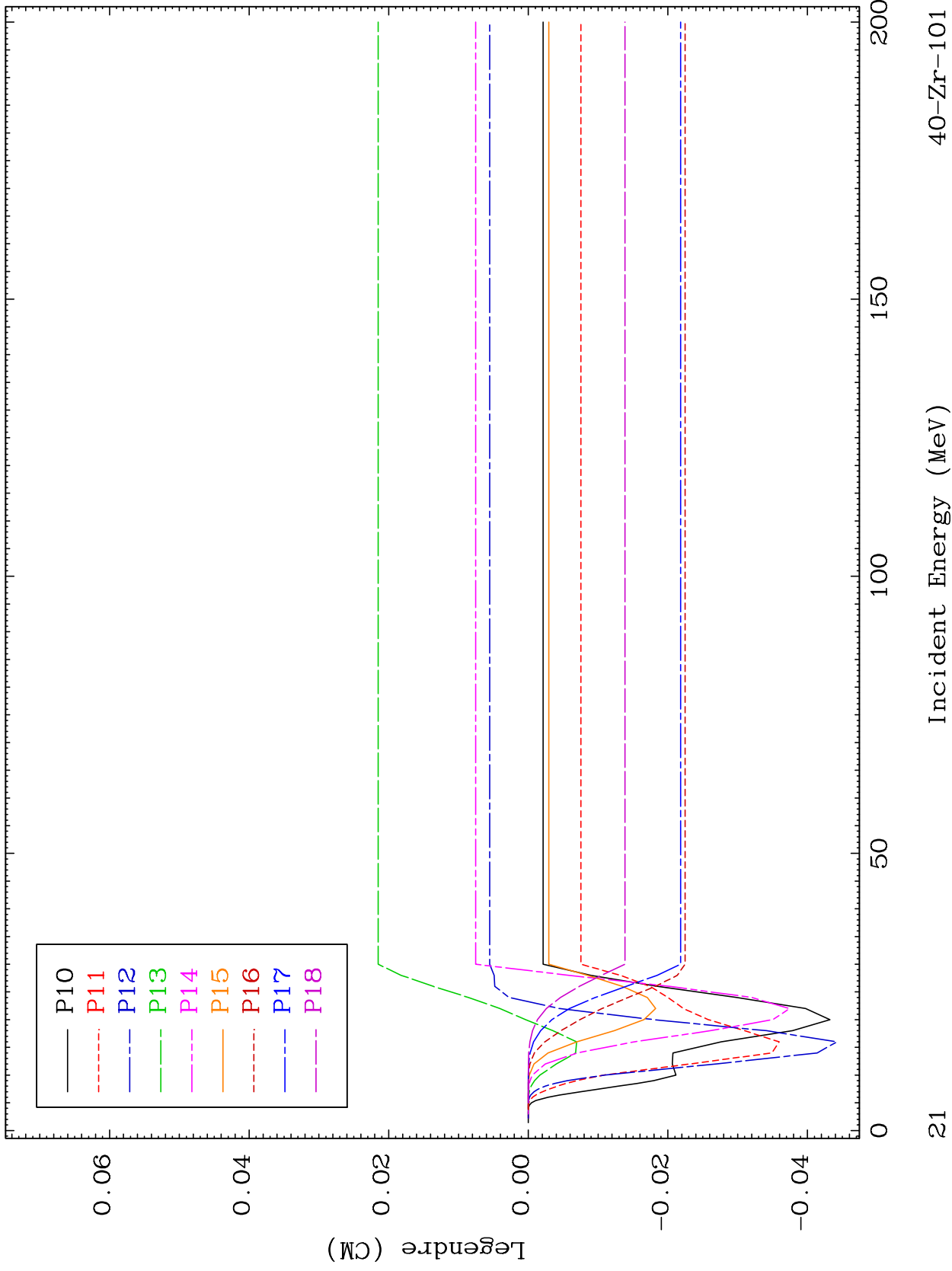
40-Zr-101



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98.16 keV (n,n') Level  
Legendre Coefficients

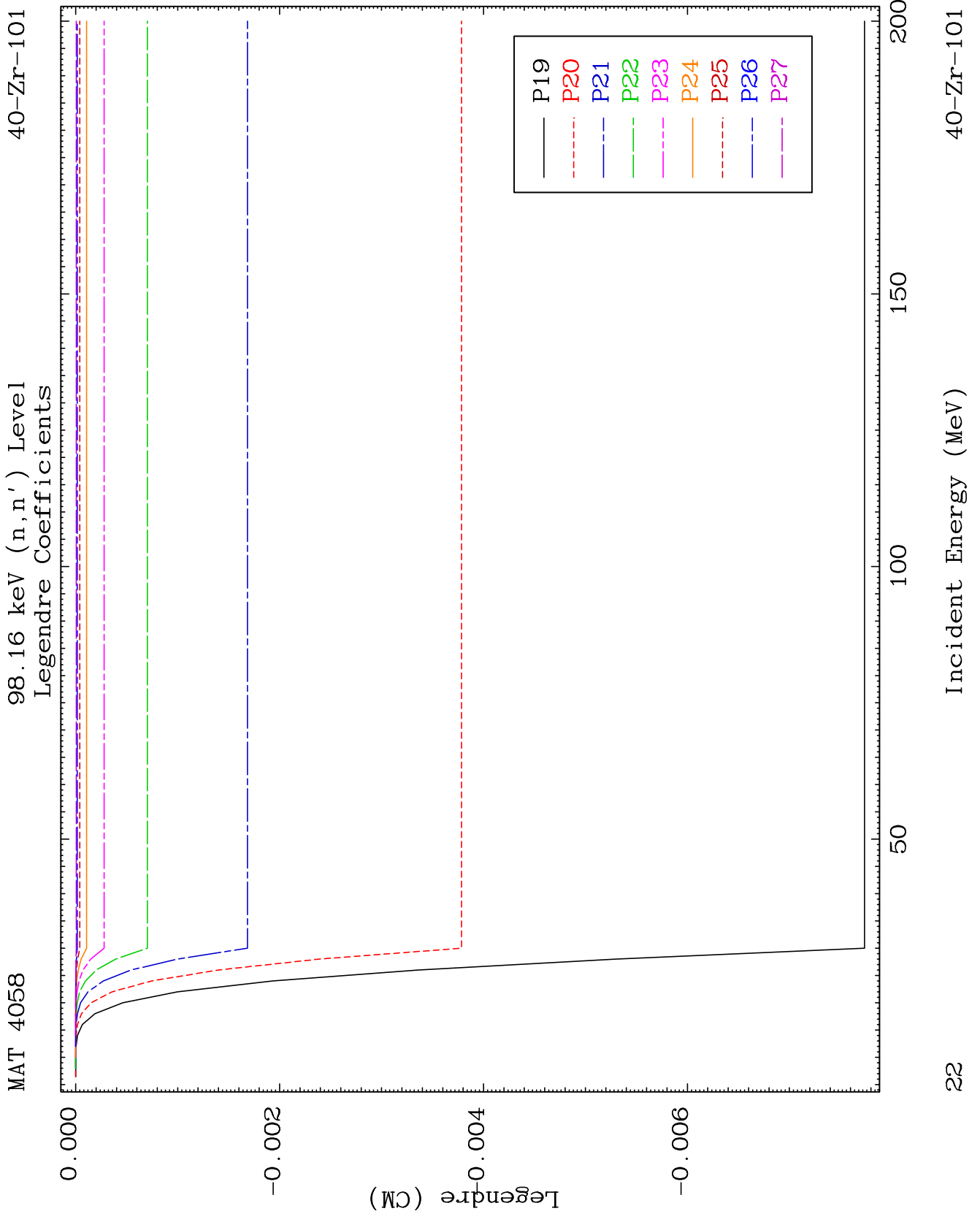
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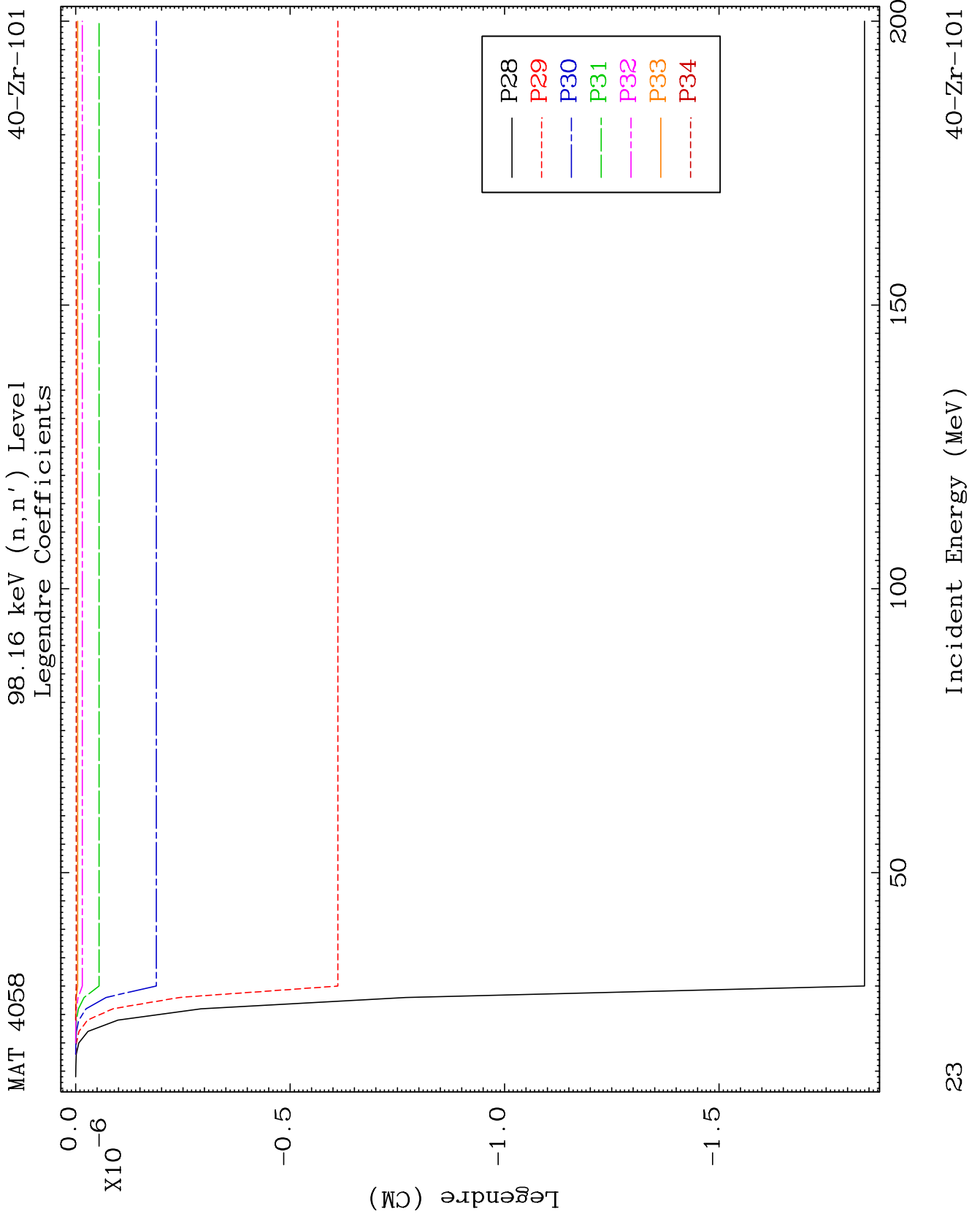


21

Incident Energy (MeV)

40-Zr-101



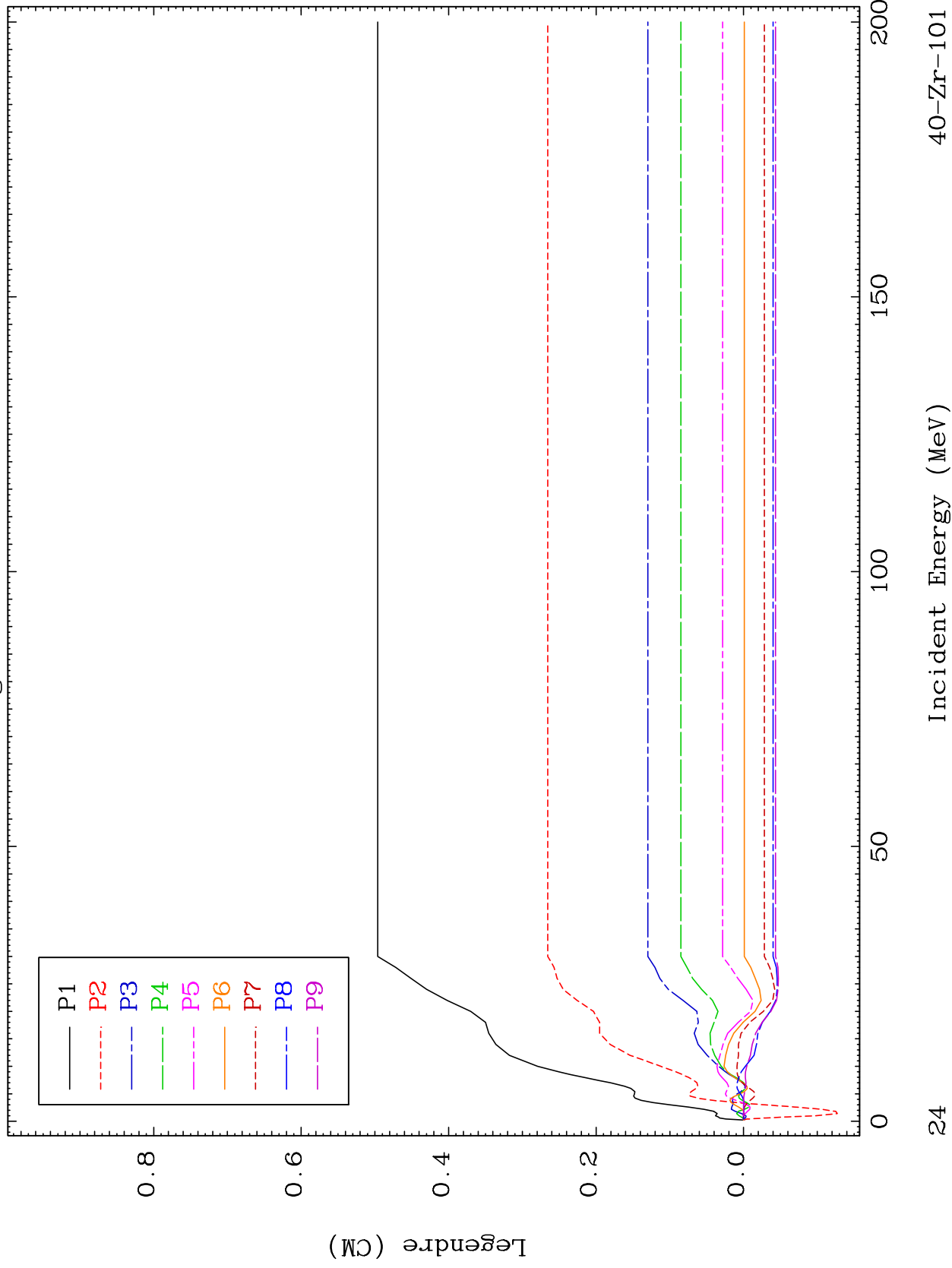




MAT 4058

216.7 keV (n,n') Level  
Legendre Coefficients

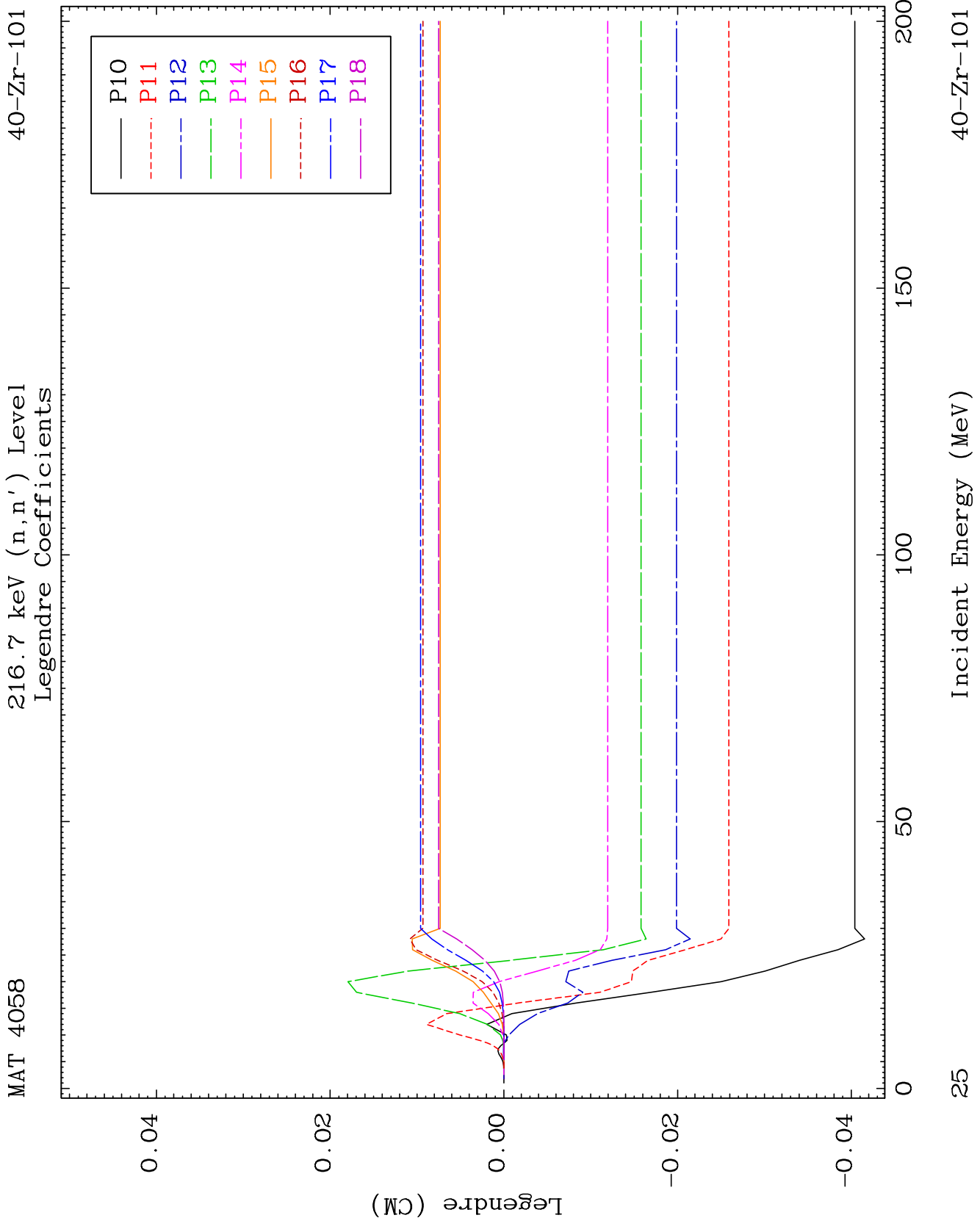
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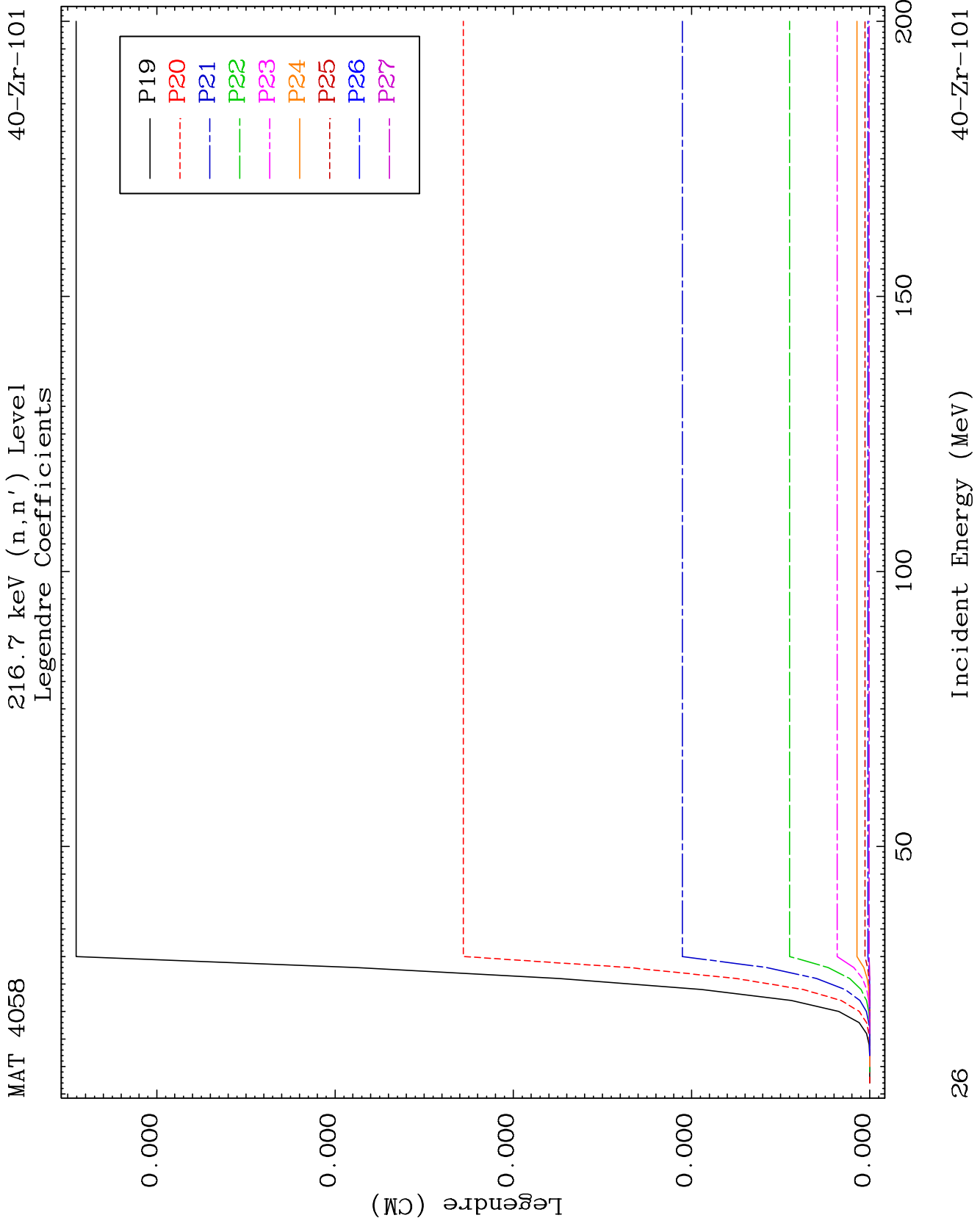


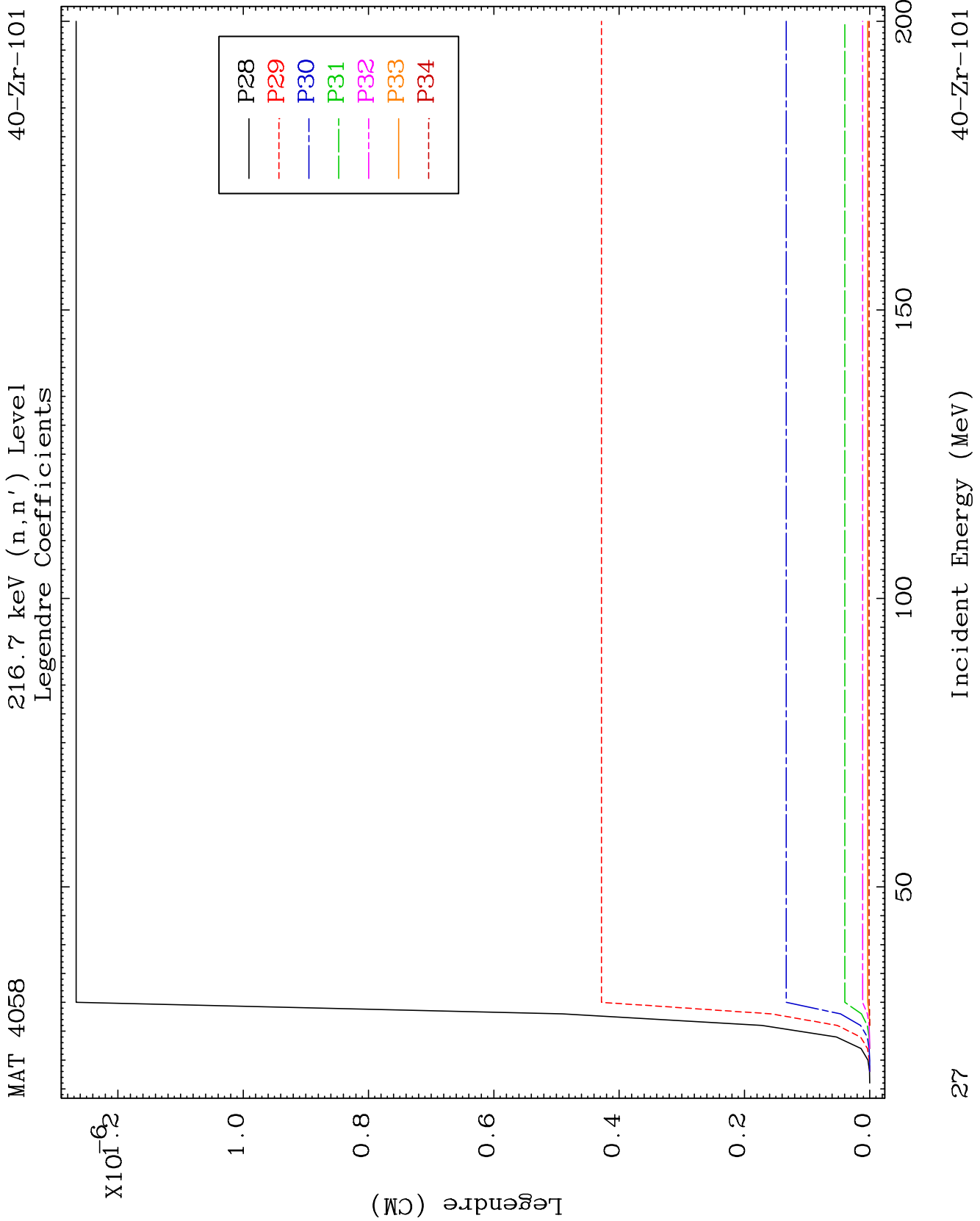
24

Incident Energy (MeV)

40-Zr-101



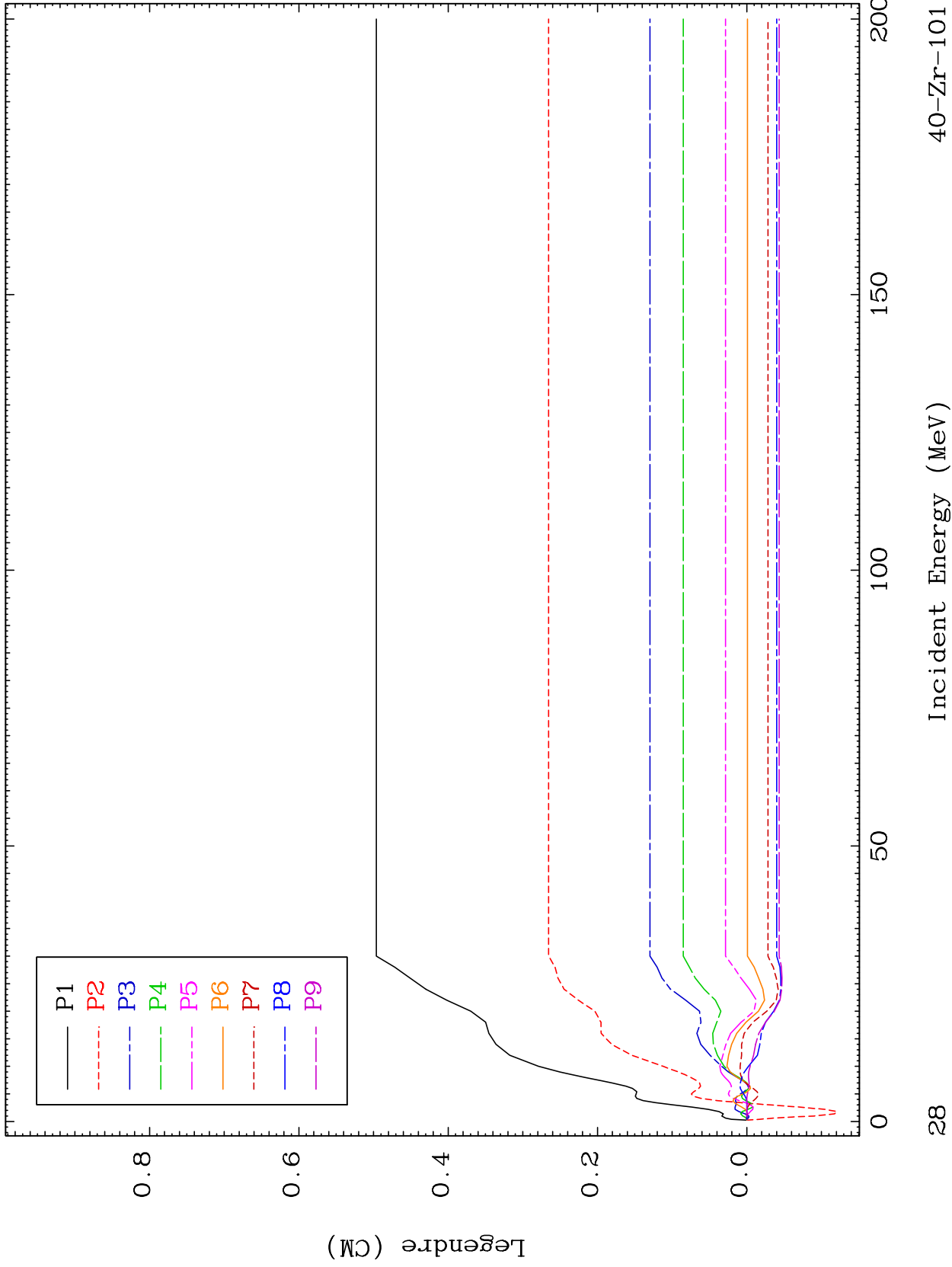




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231.8 keV (n,n') Level  
Legendre Coefficients

40-Zr-101



40-Zr-101

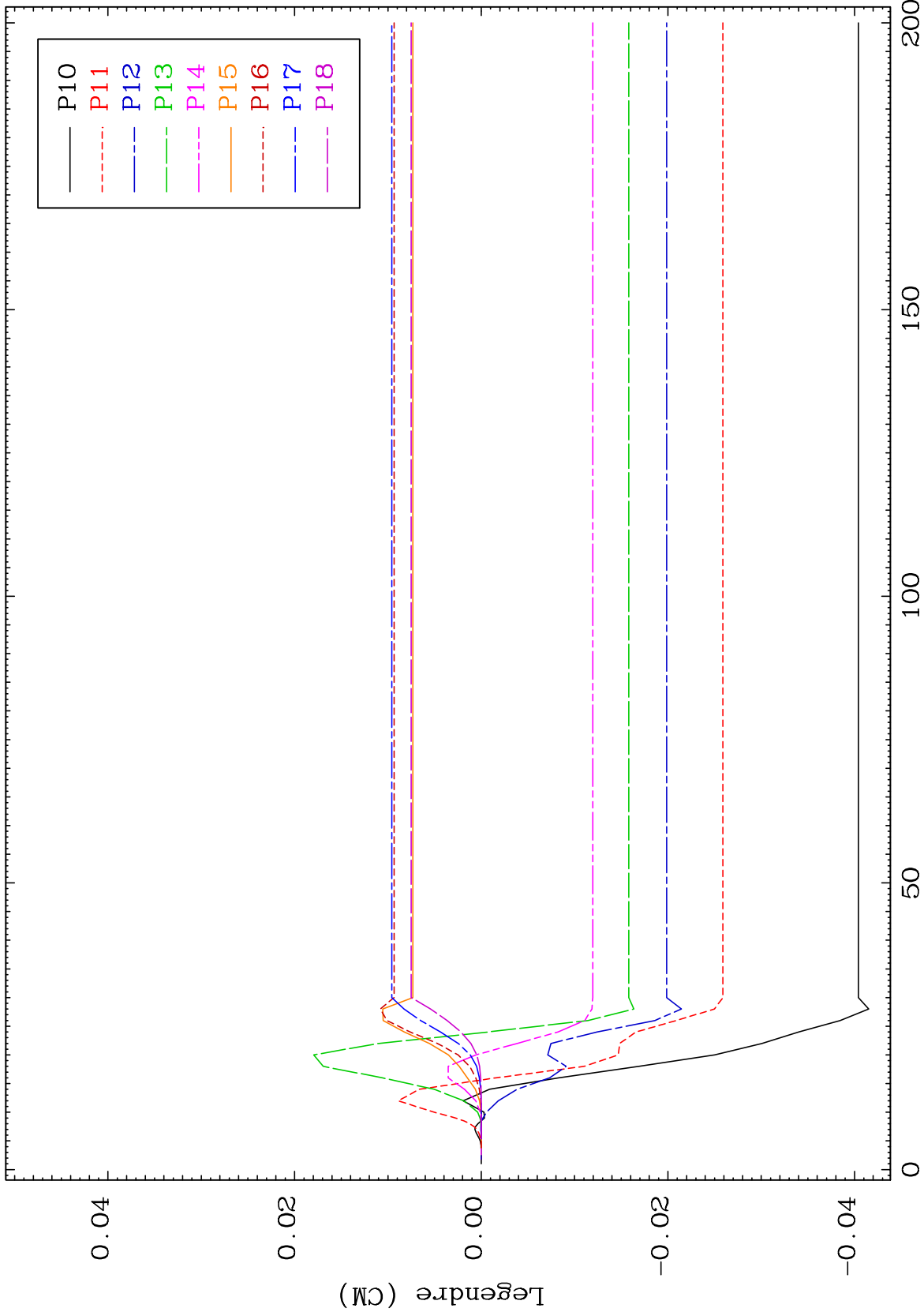
Incident Energy (MeV)

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MAT 4058

231.8 keV (n,n') Level  
Legendre Coefficients

40-Zr-101

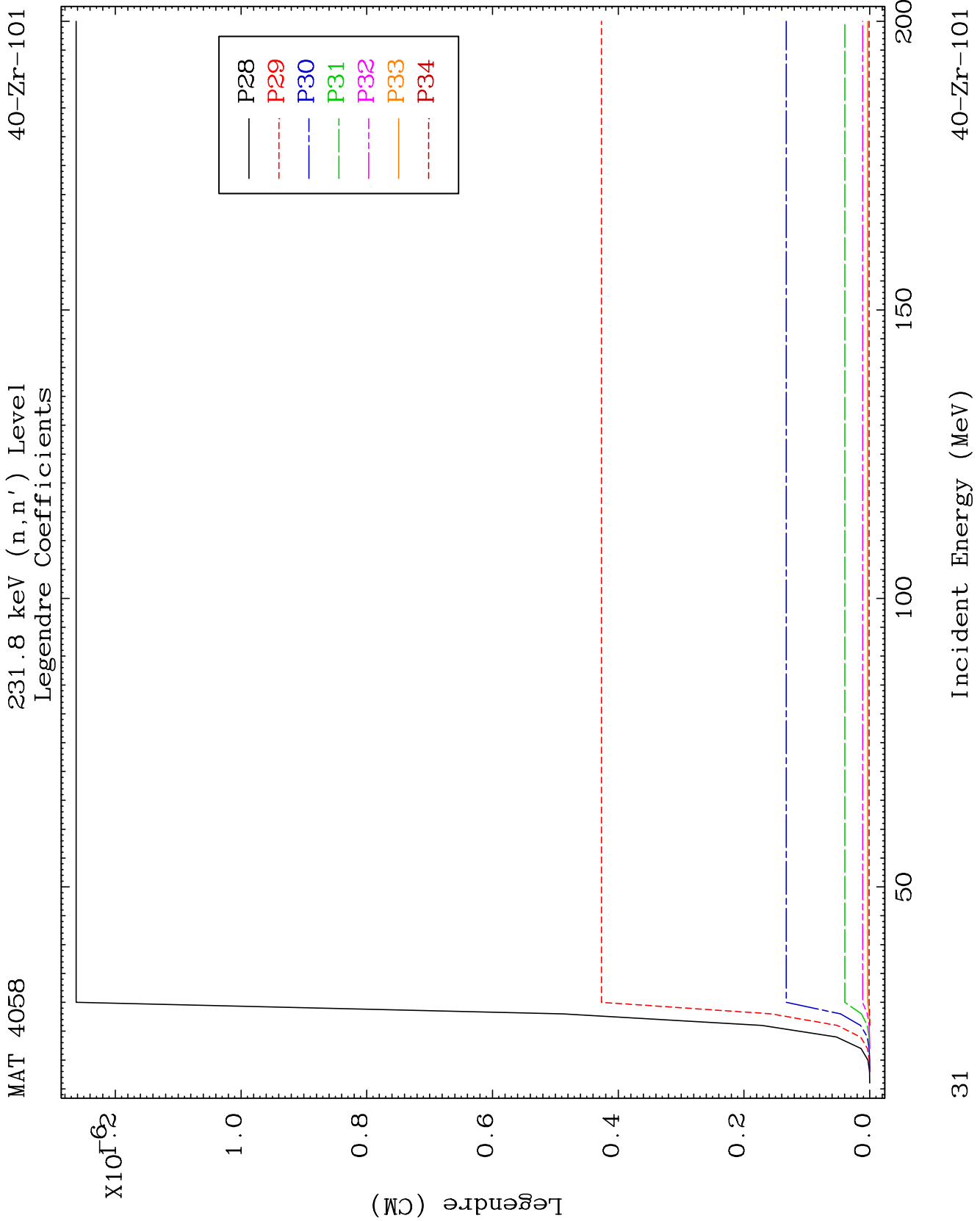


29

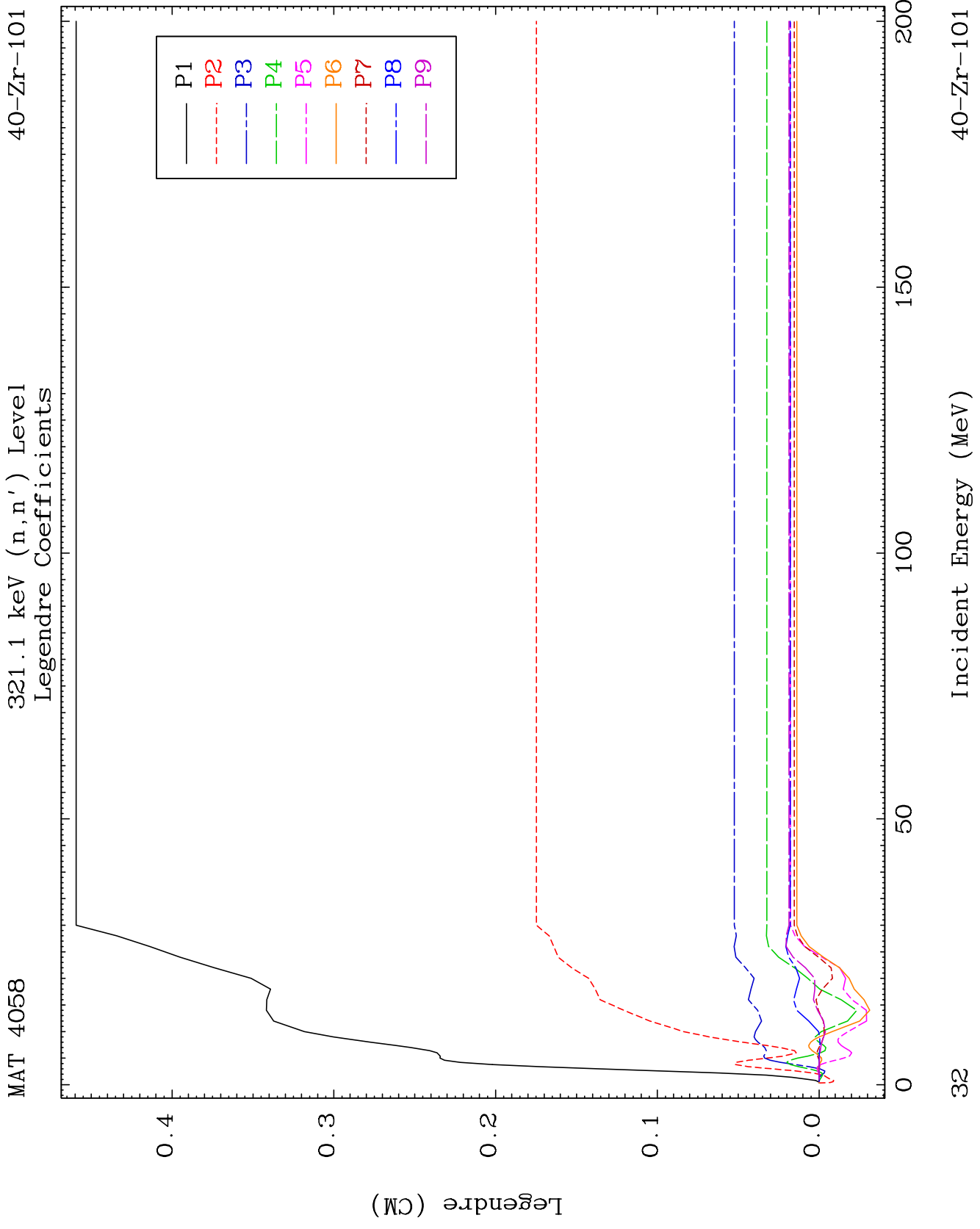
Incident Energy (MeV)

40-Zr-101





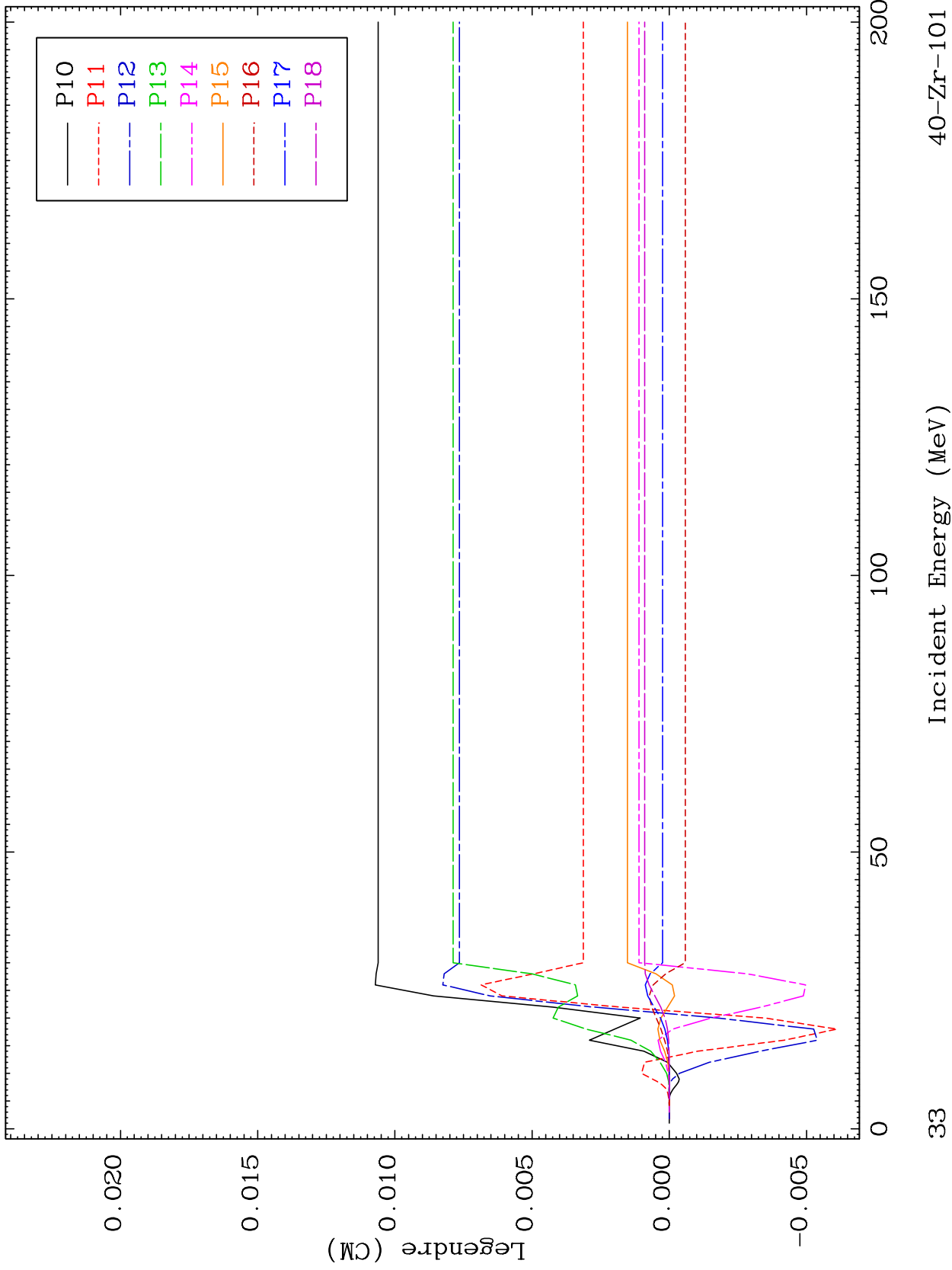




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321.1 keV (n,n') Level  
Legendre Coefficients

40-Zr-101



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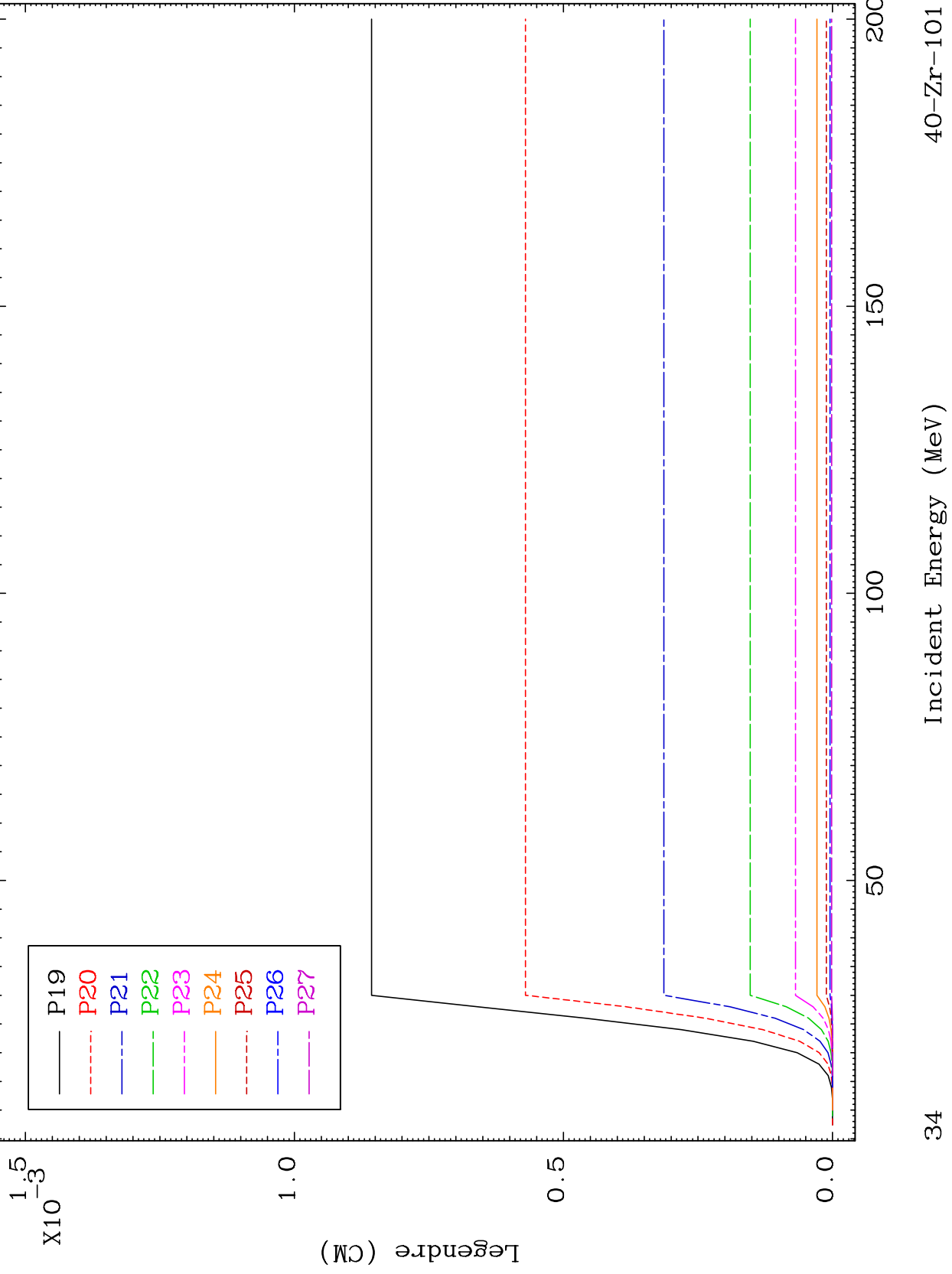
Incident Energy (MeV)

40-Zr-101

MAT 4058

321.1 keV (n,n') Level  
Legendre Coefficients

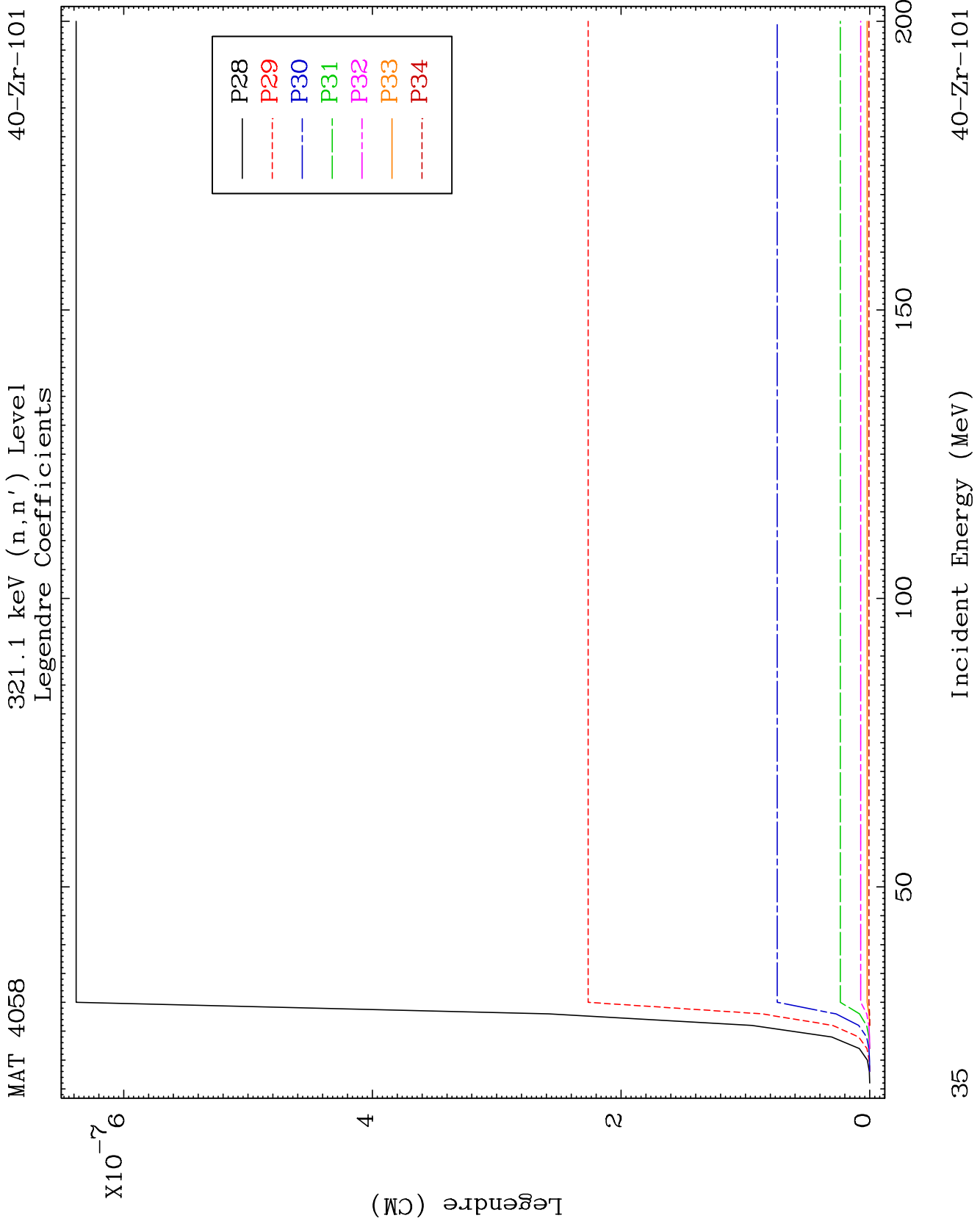
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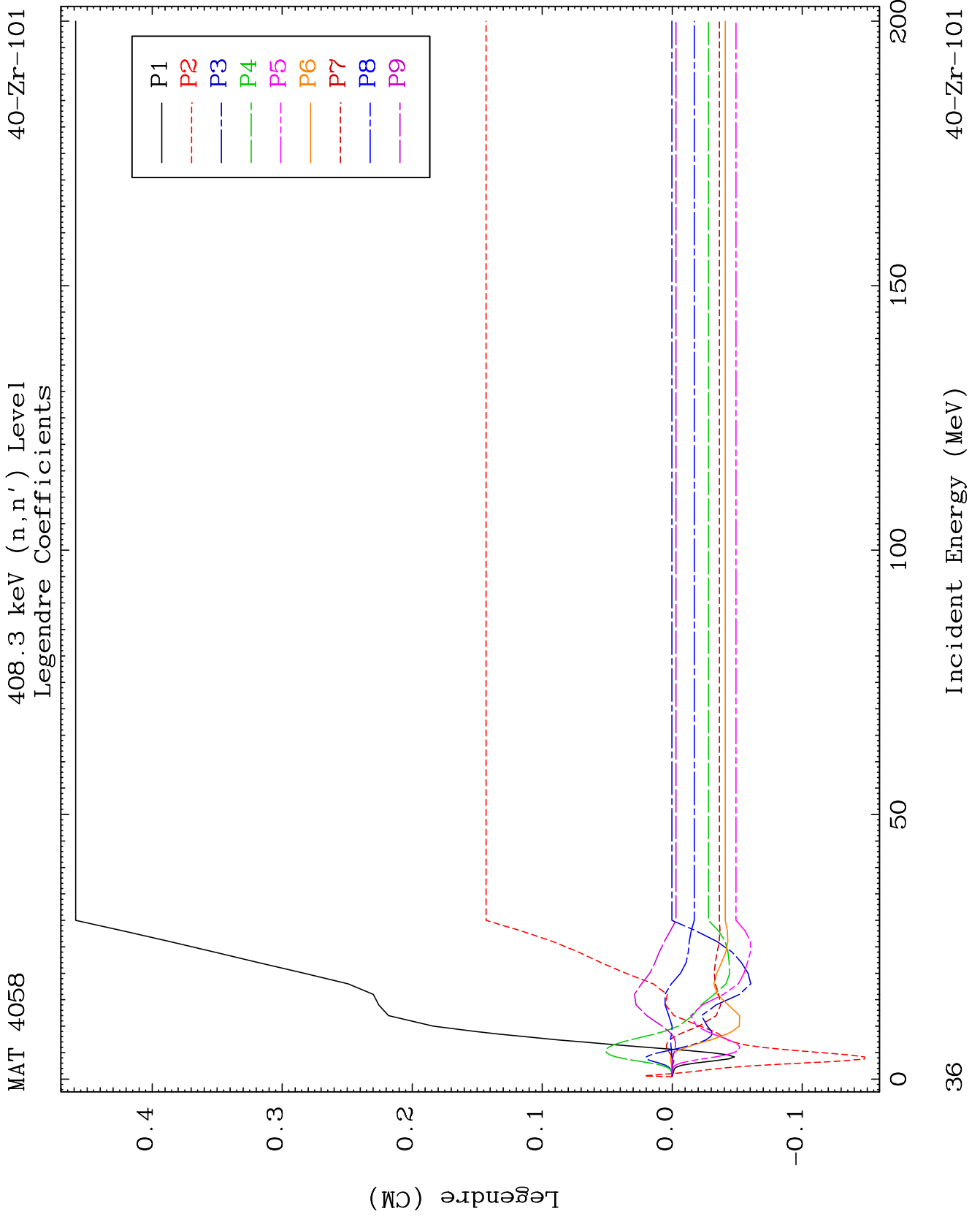


34

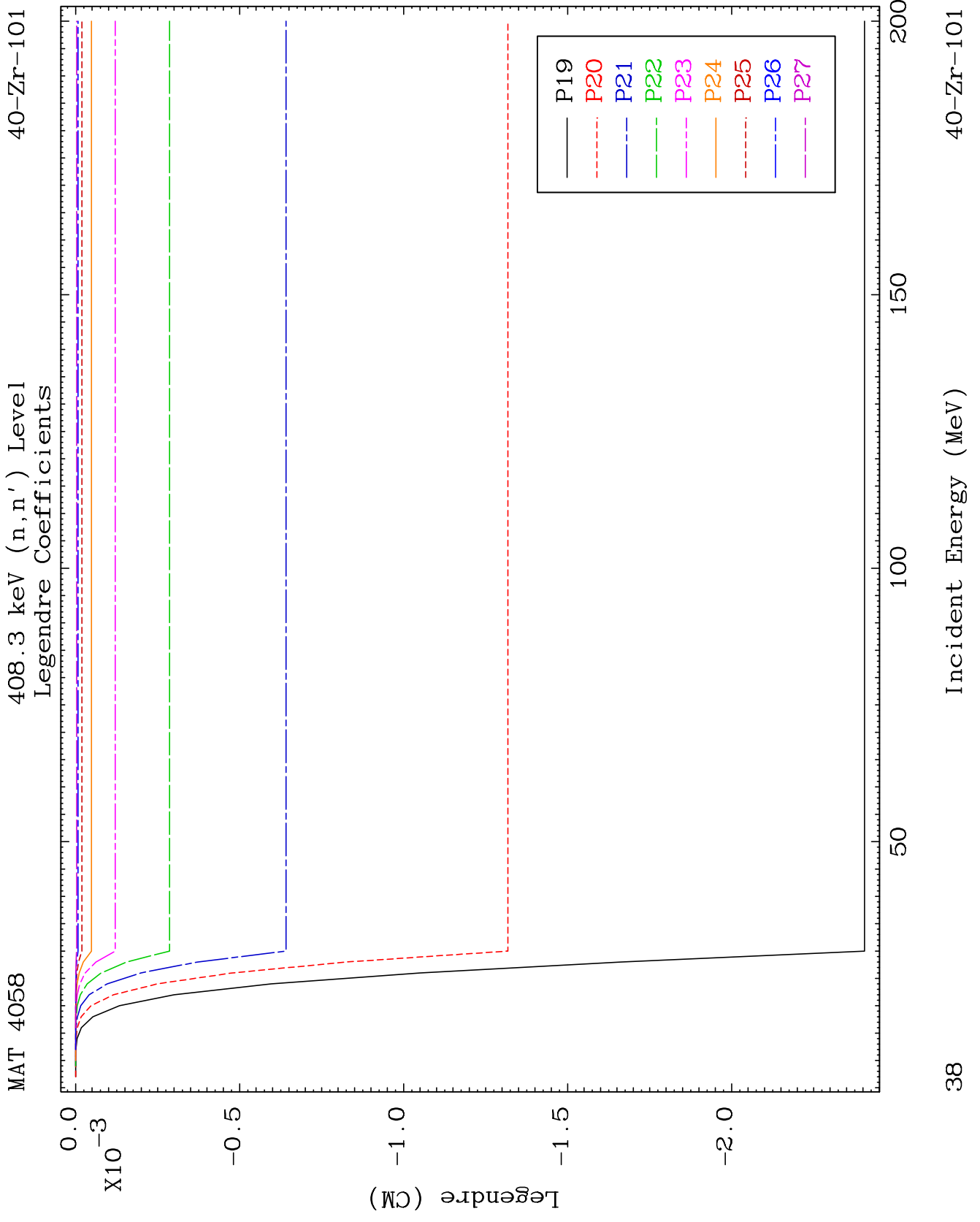
Incident Energy (MeV)

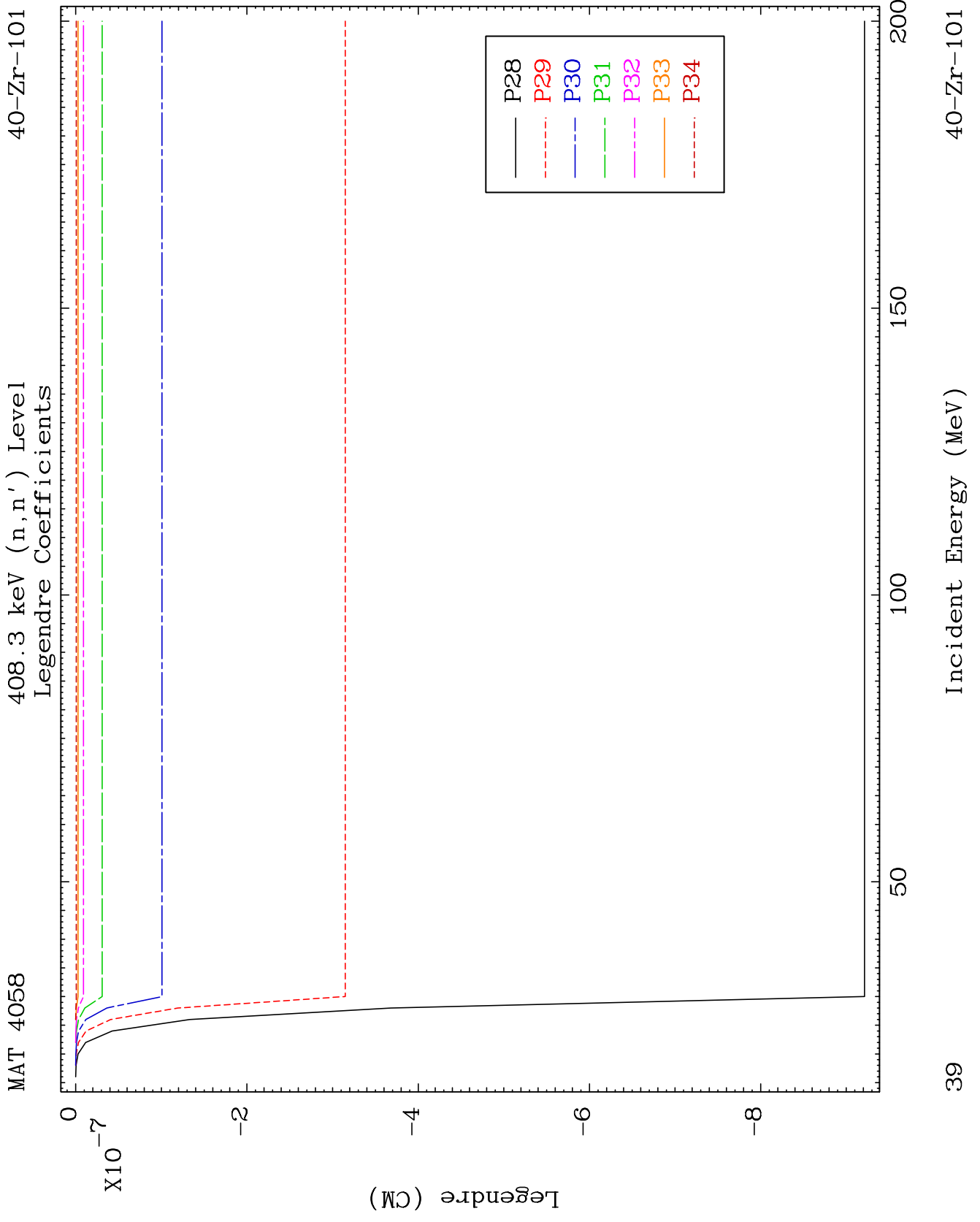
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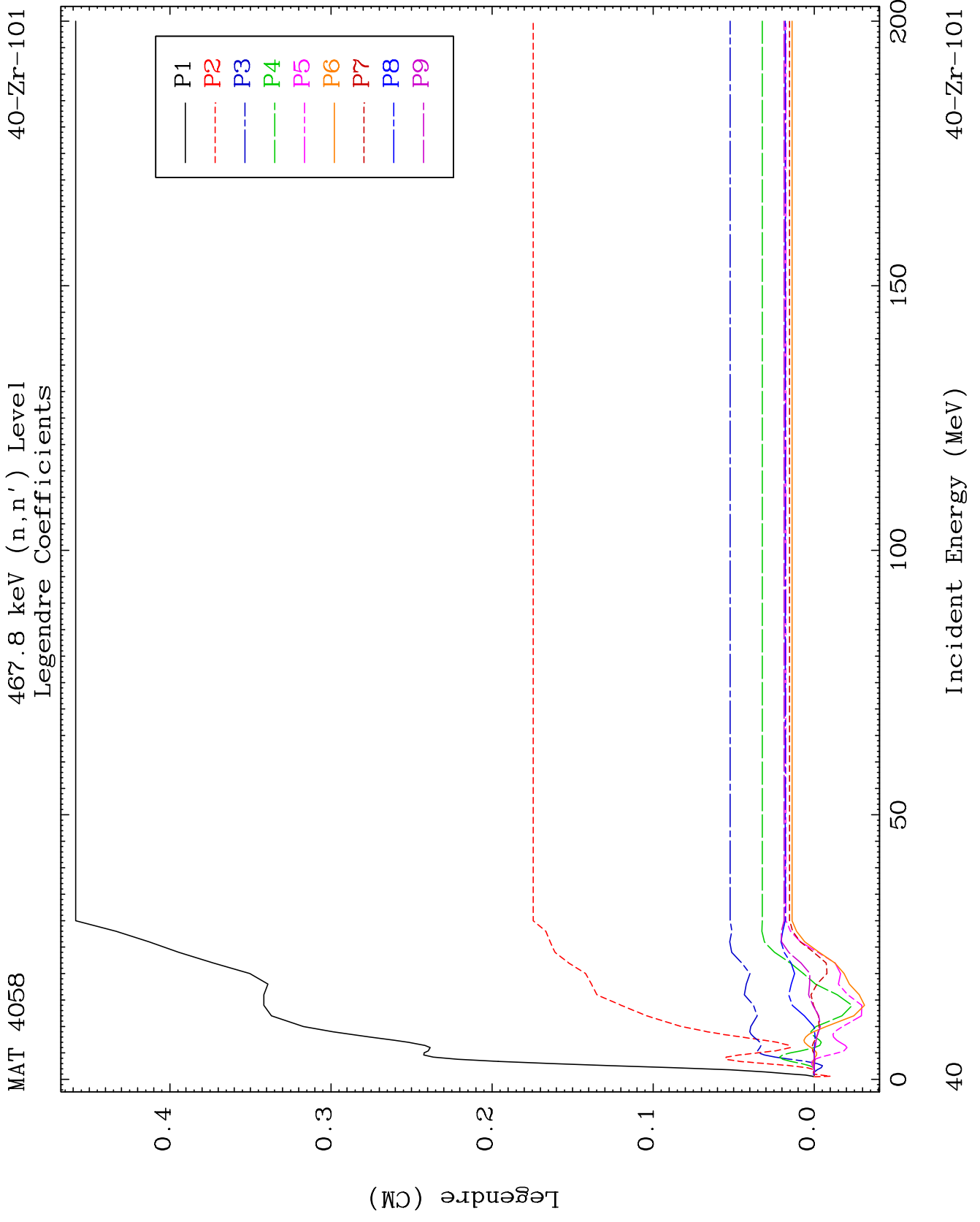








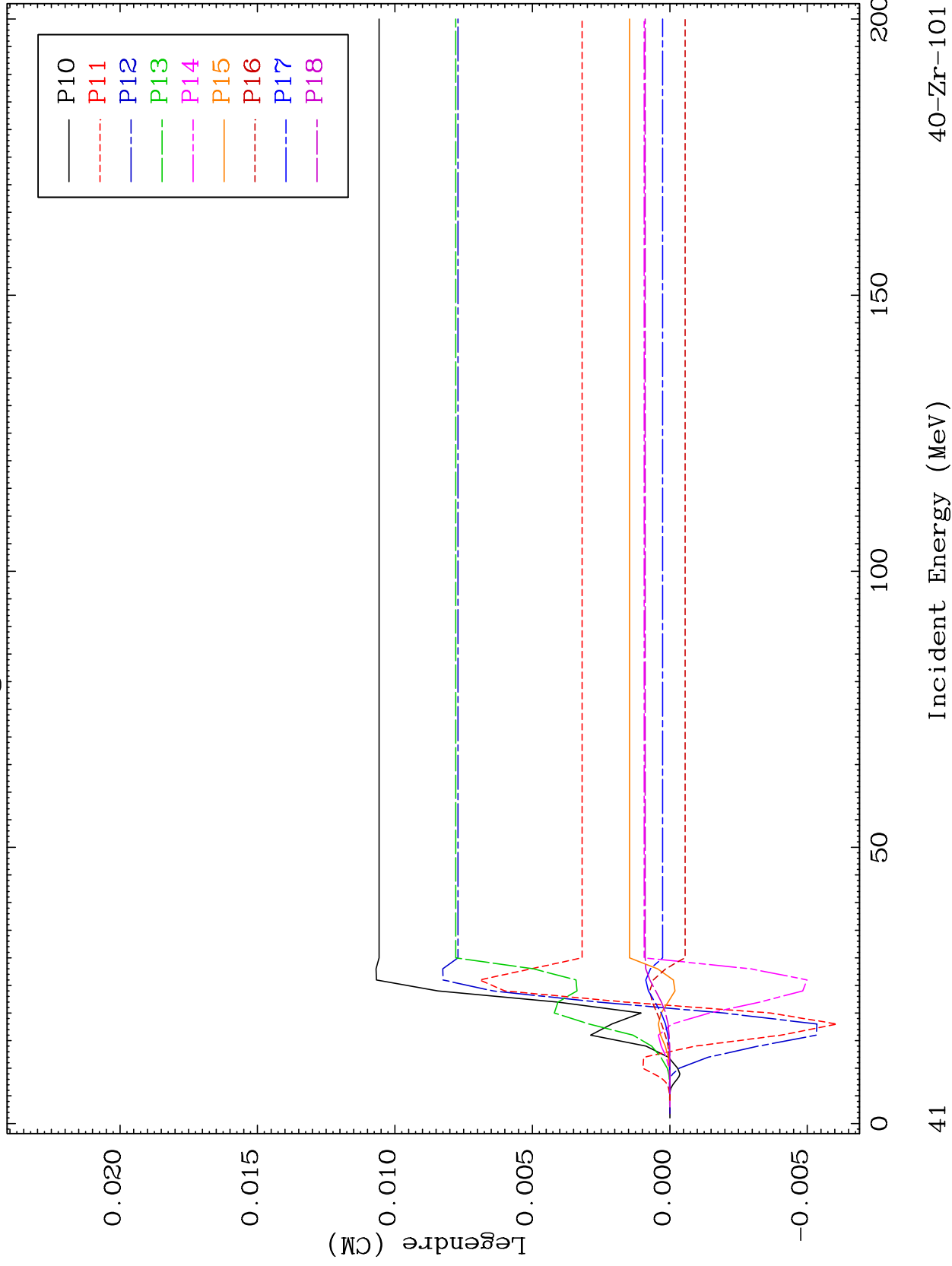




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467.8 keV (n,n') Level  
Legendre Coefficients

40-Zr-101



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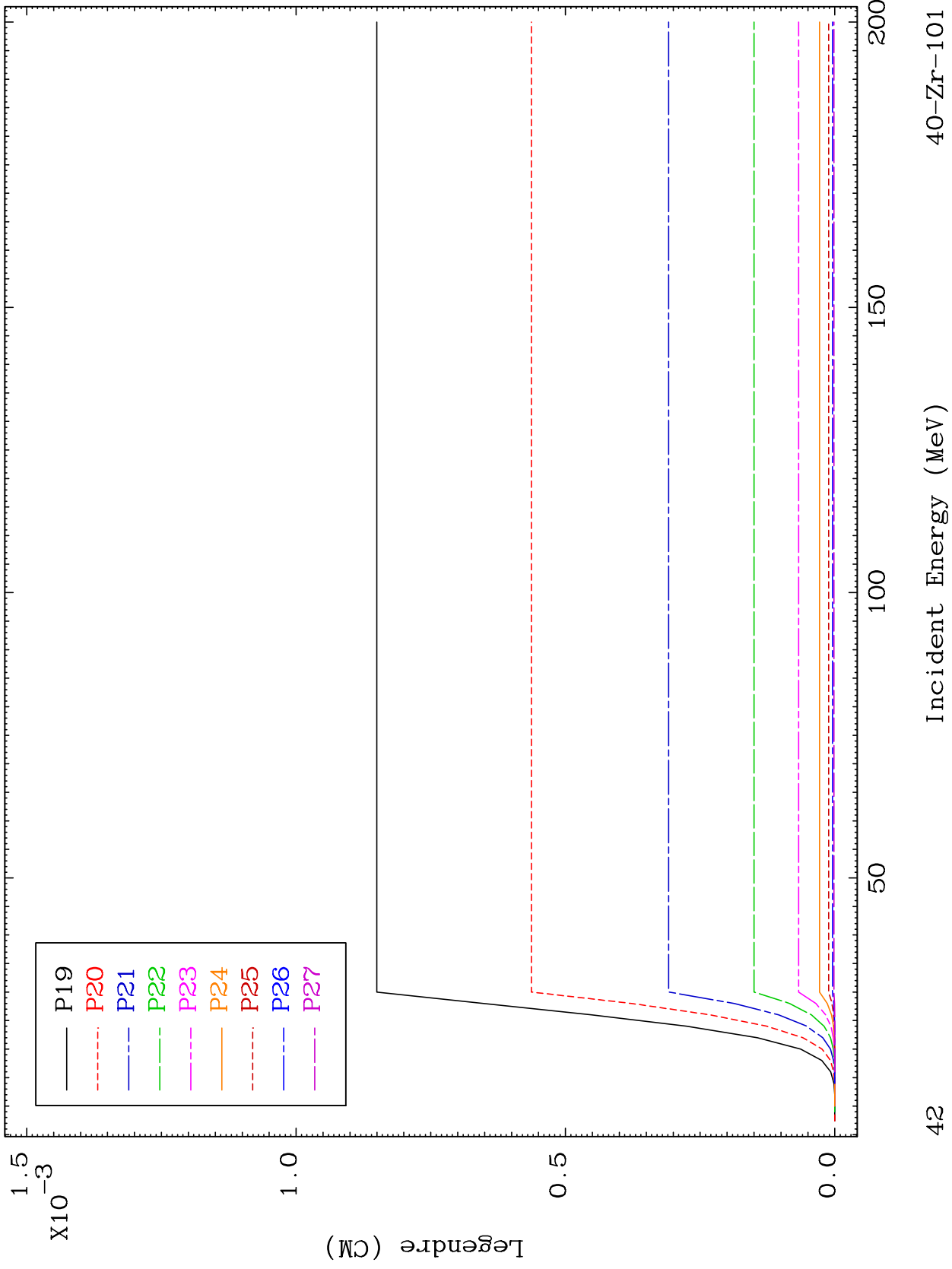
Incident Energy (MeV)

40-Zr-101

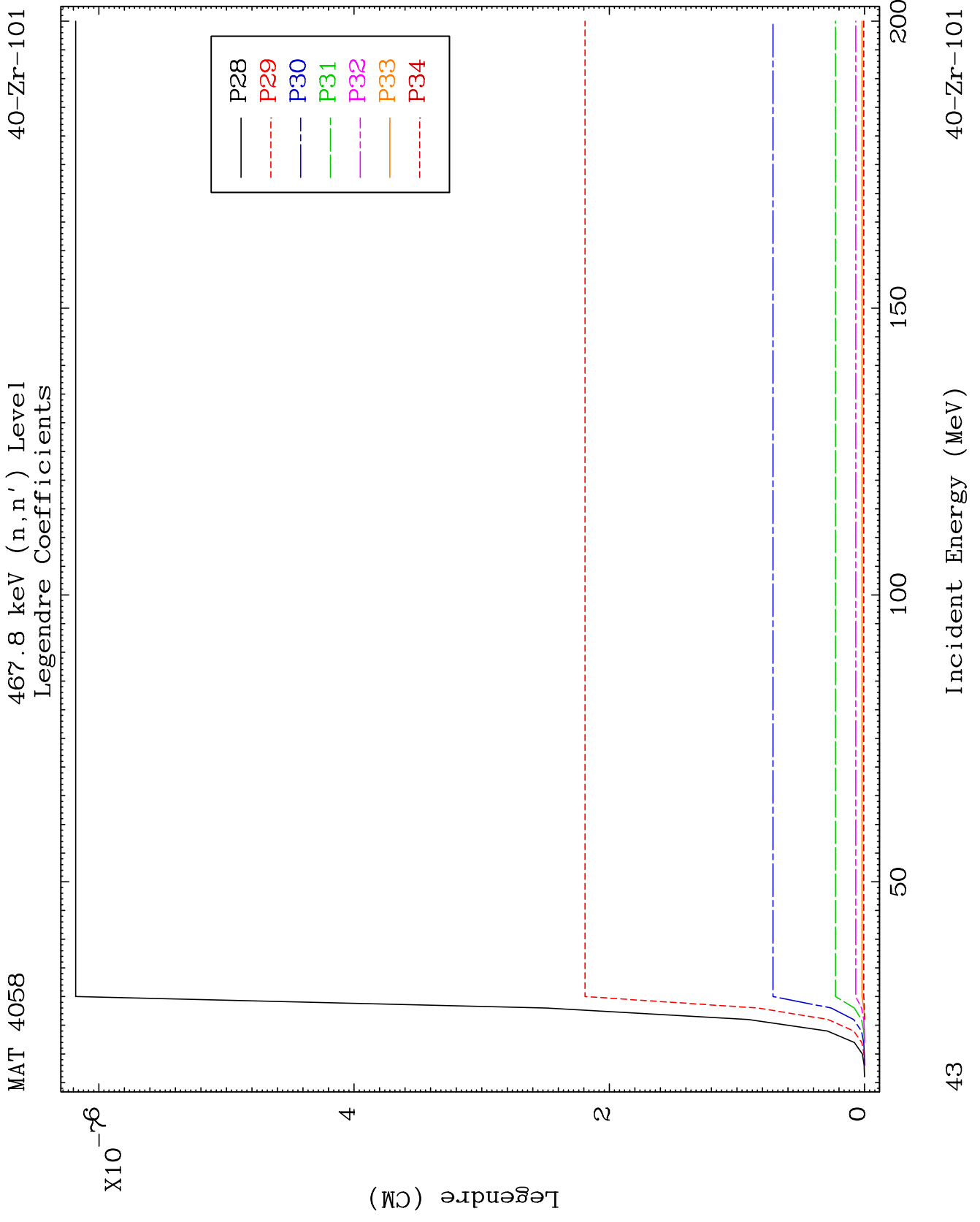
MAT 4058

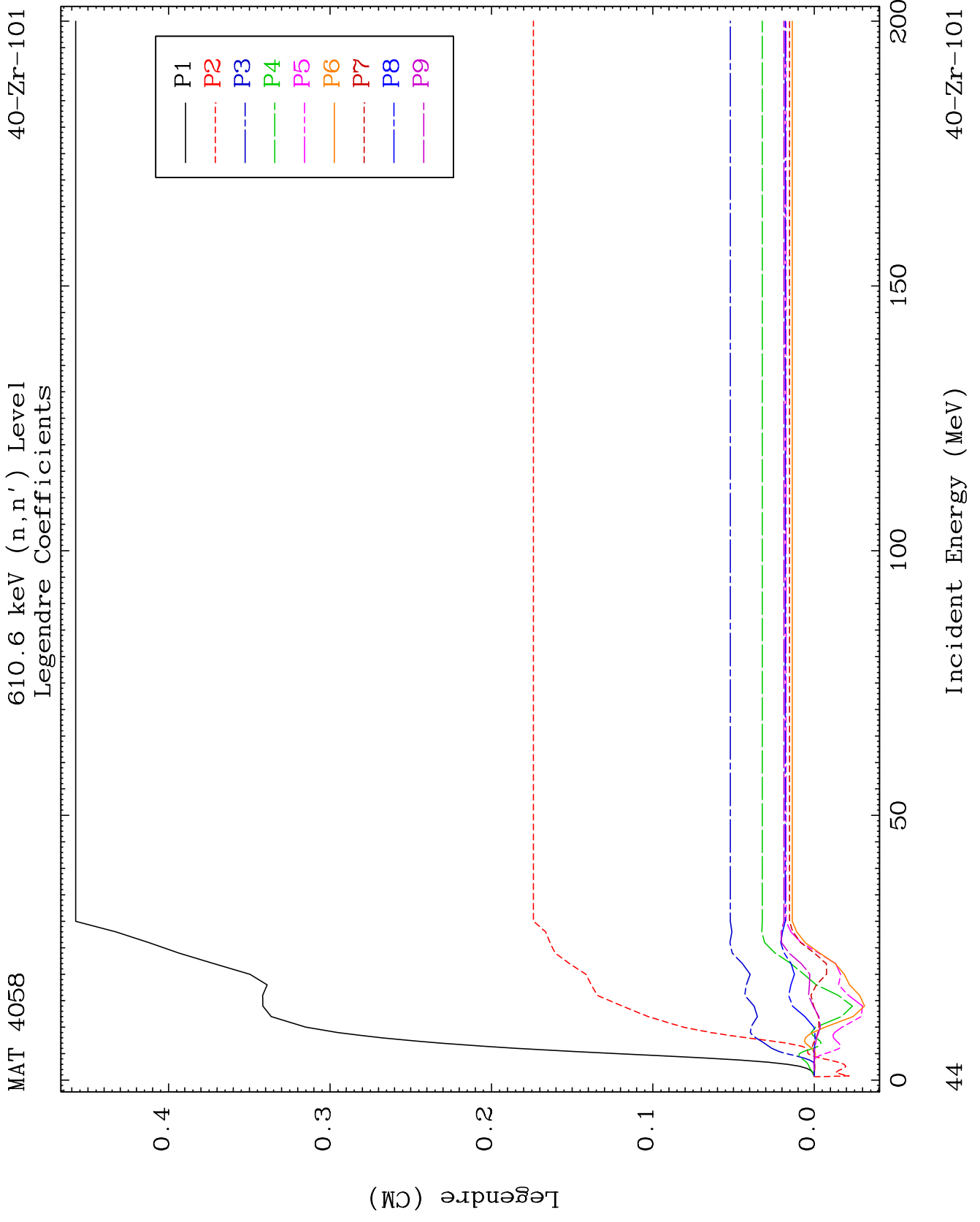
467.8 keV (n,n') Level  
Legendre Coefficients

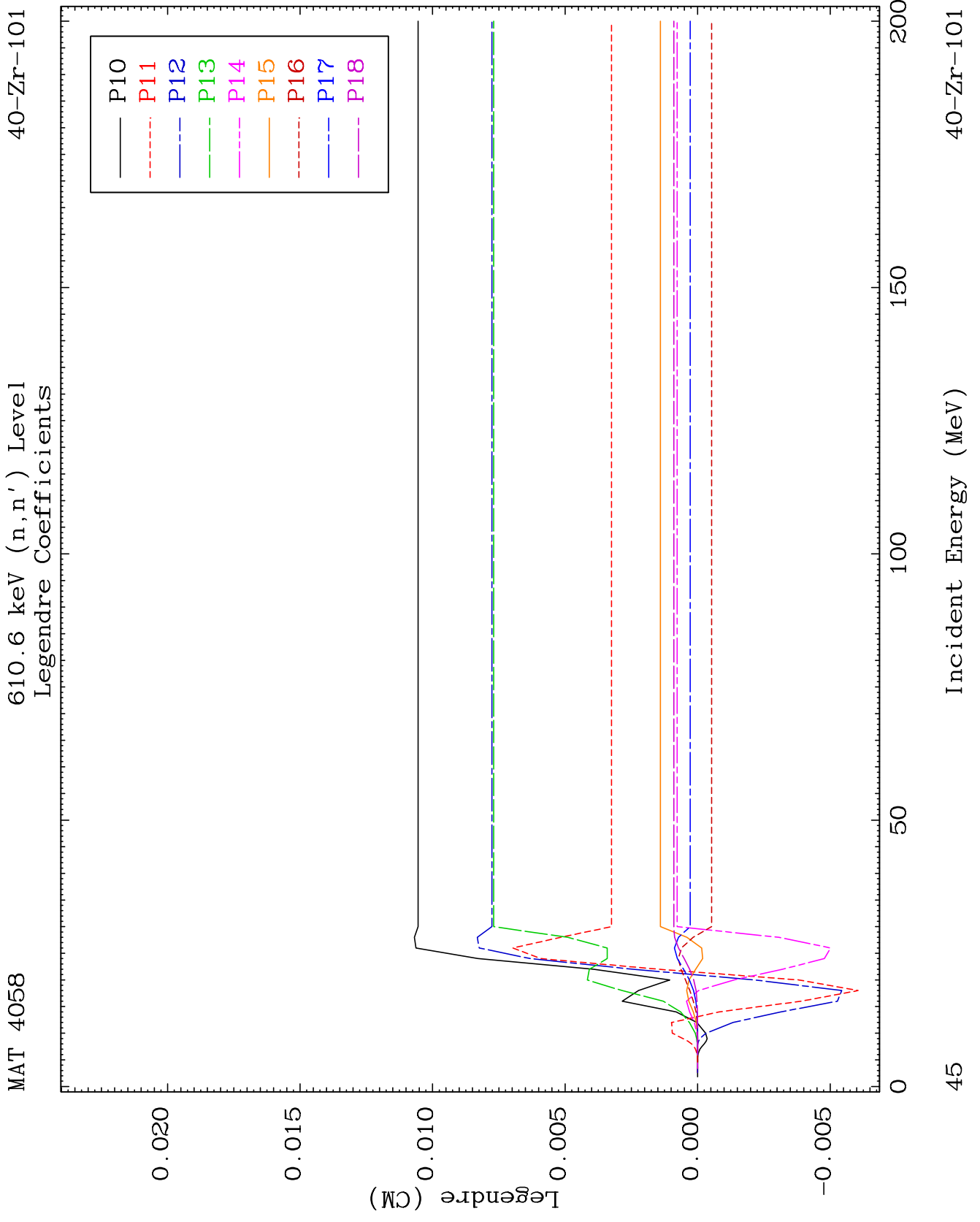
40-Zr-101



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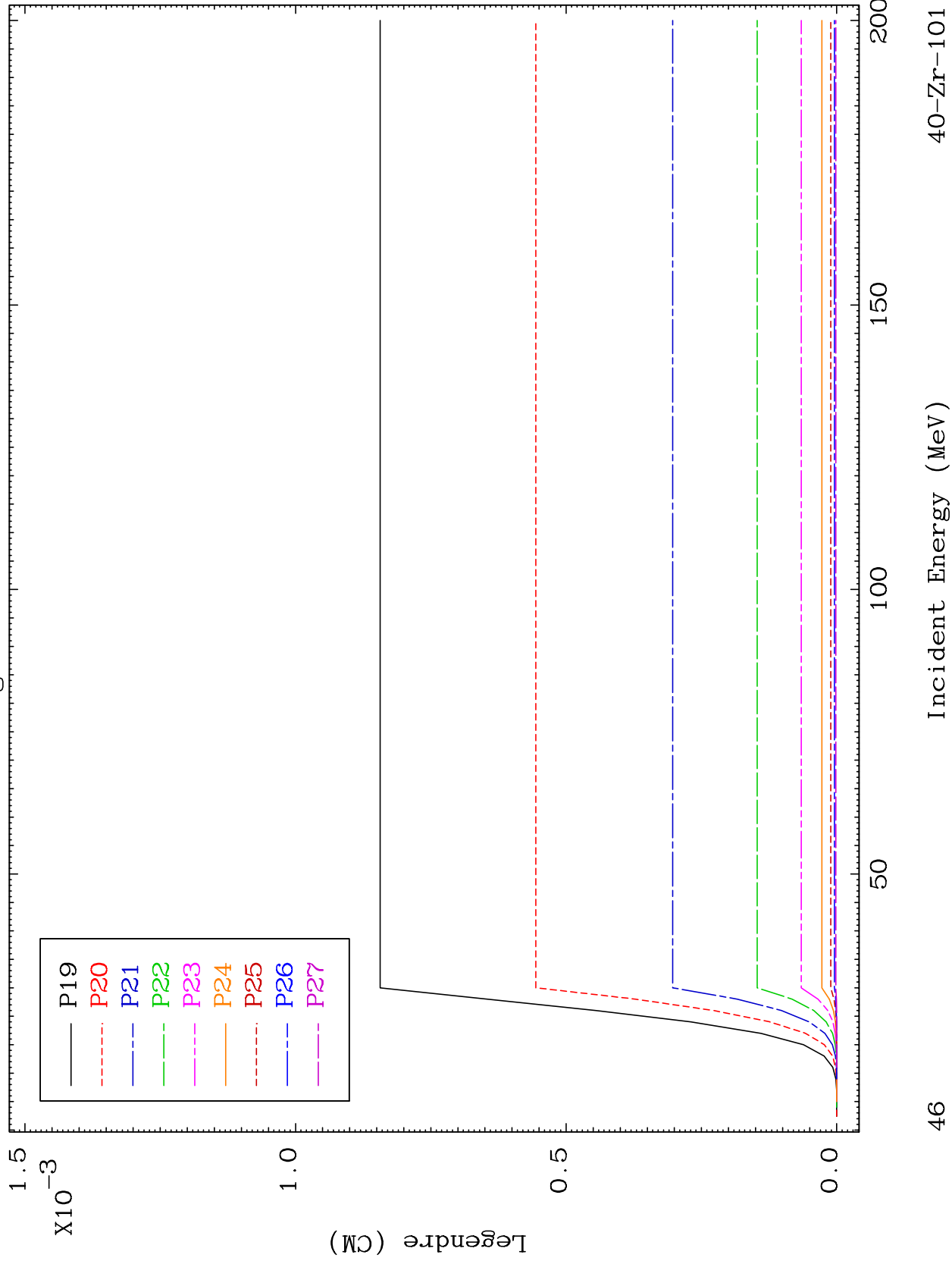




MAT 4058

610.6 keV (n, n') Level  
Legendre Coefficients

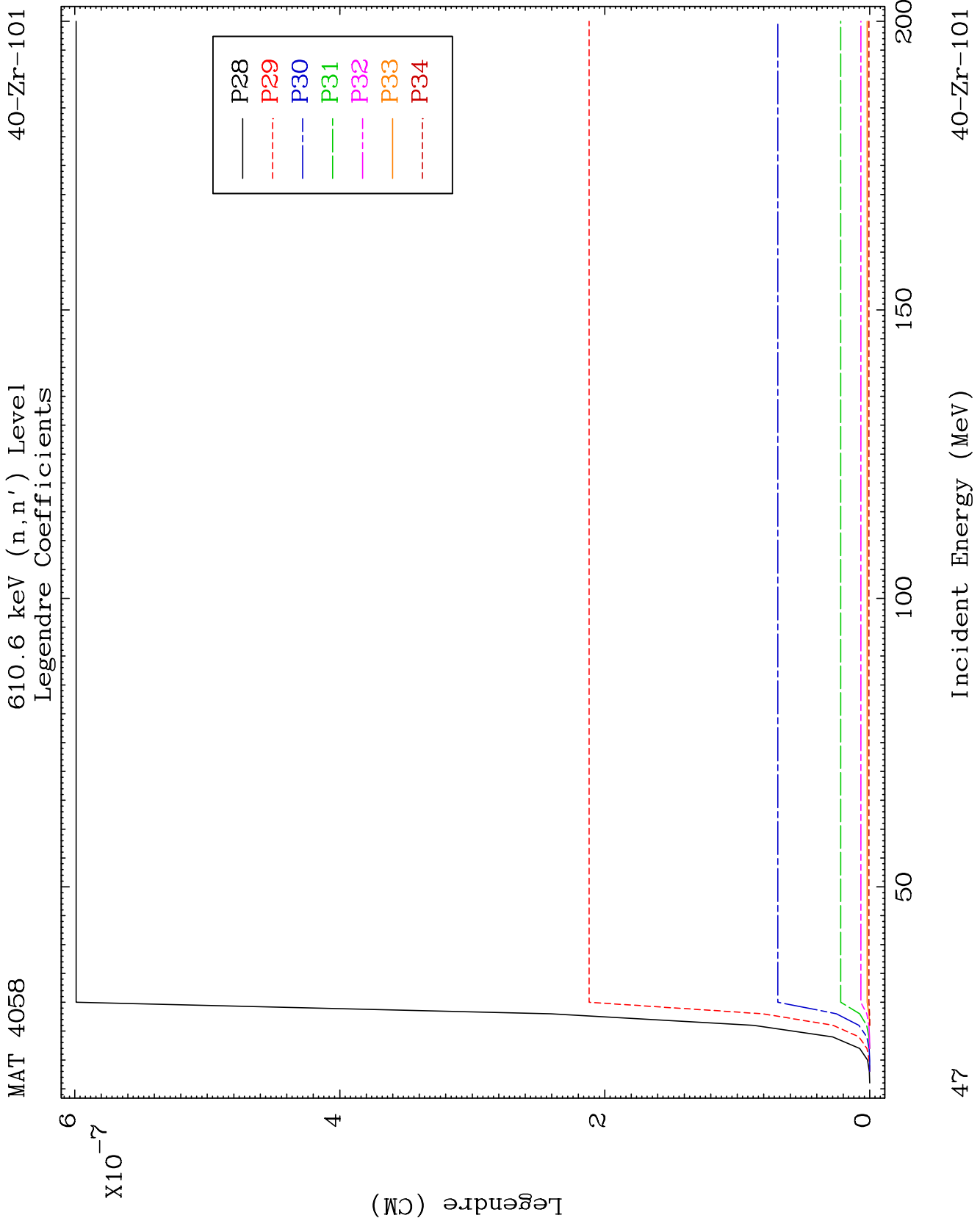
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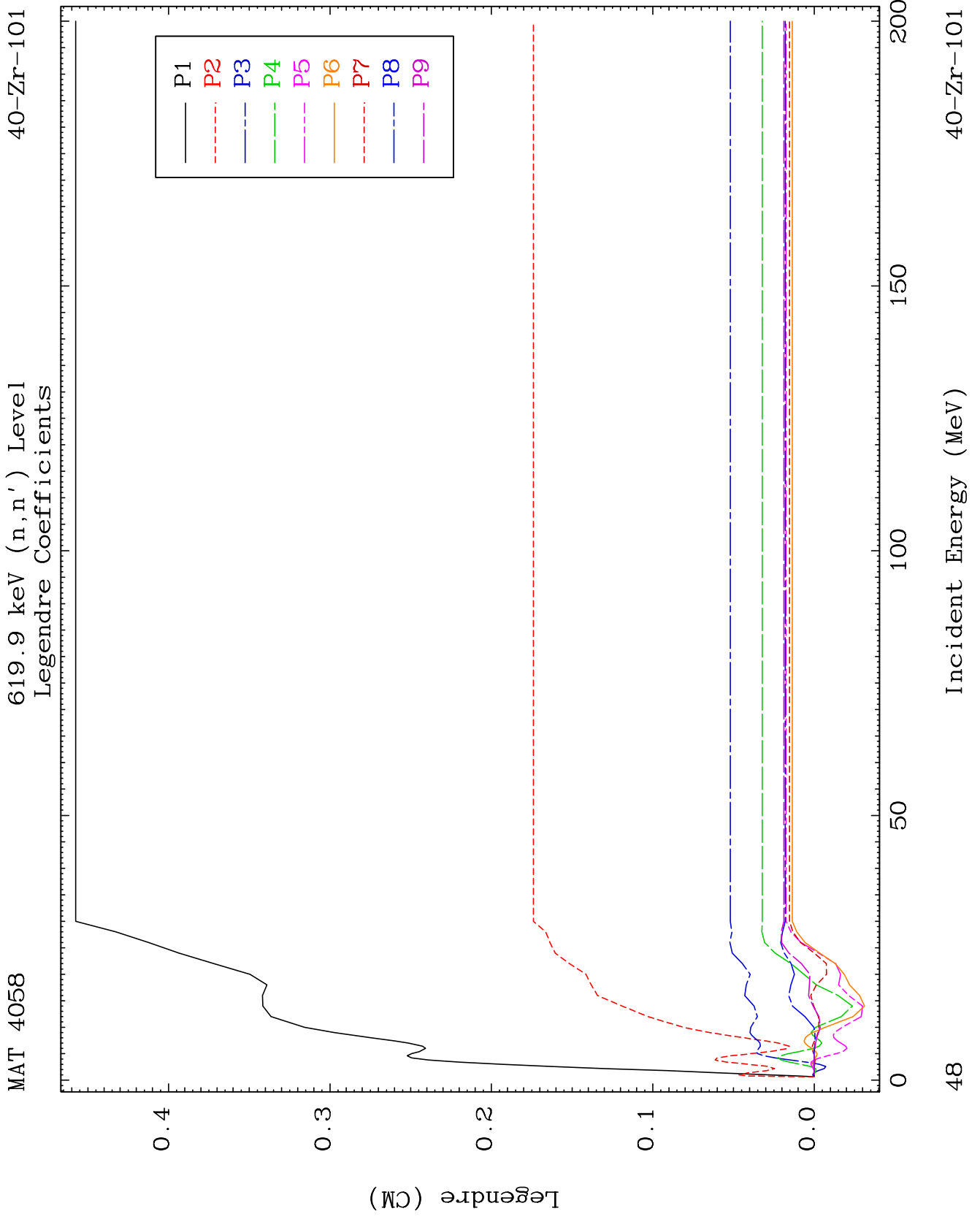
46

Incident Energy (MeV)

40-Zr-101



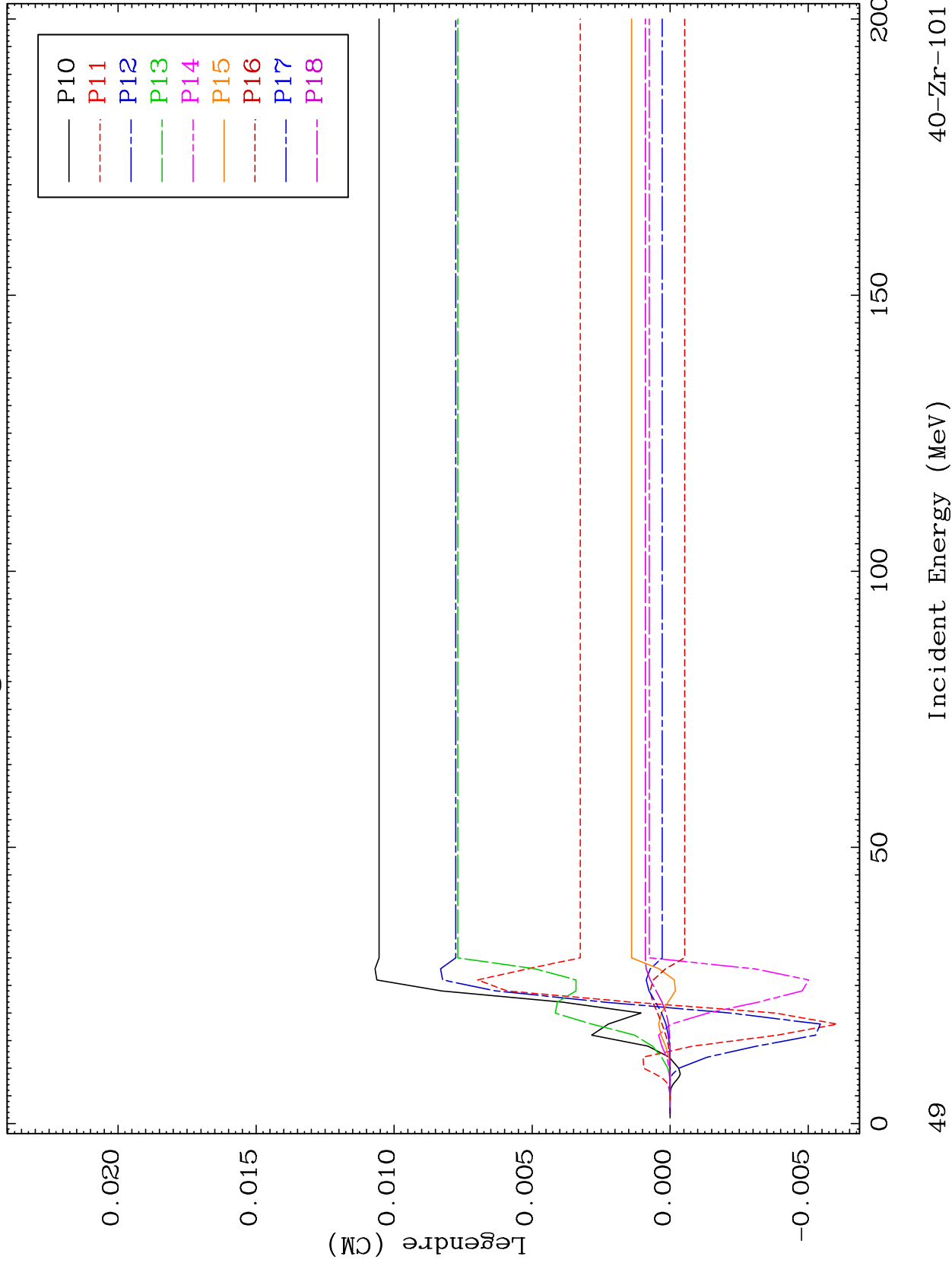




MAT 4058

619.9 keV (n,n') Level  
Legendre Coefficients

40-Zr-101



40-Zr-101

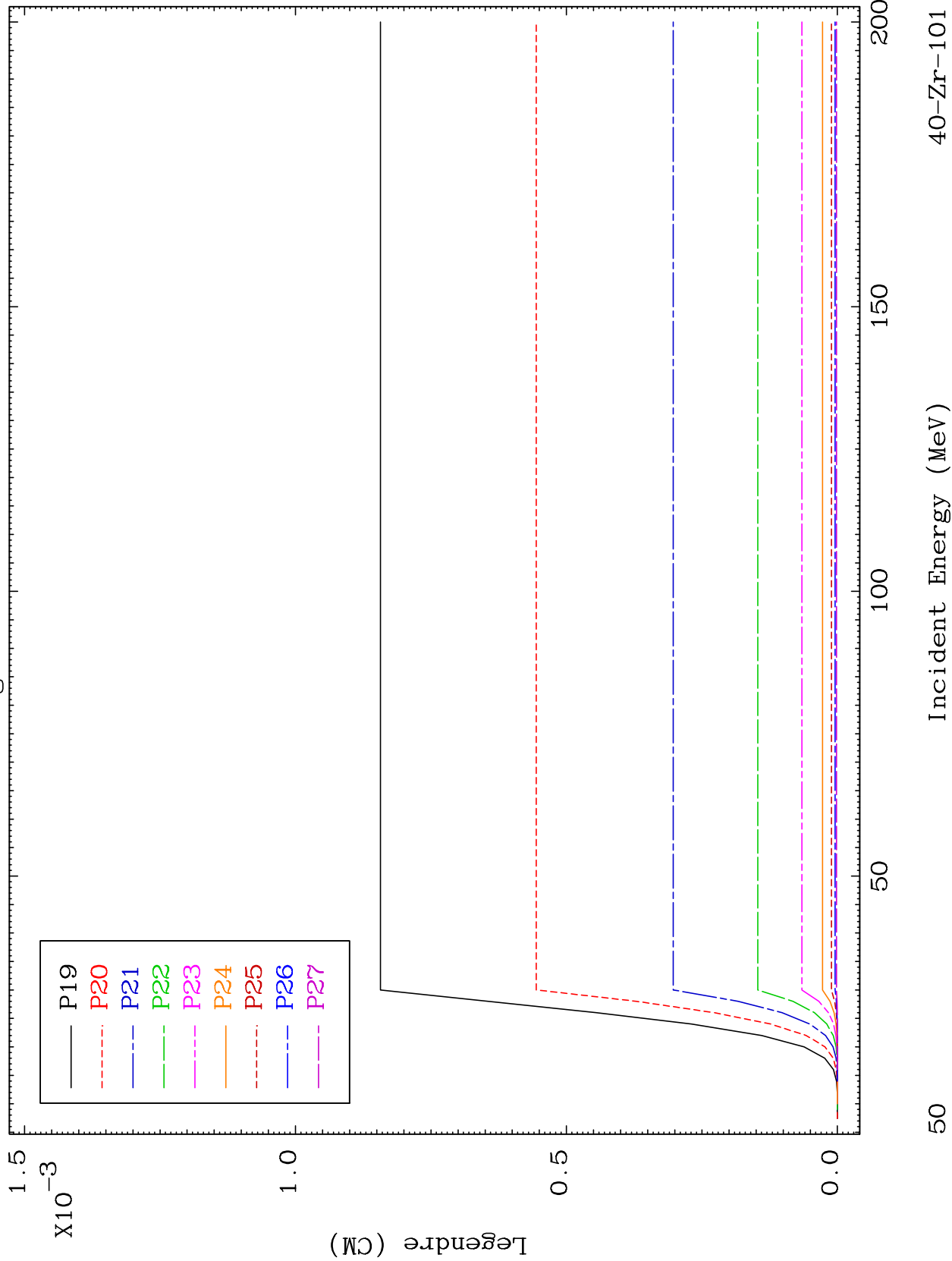
Incident Energy (MeV)

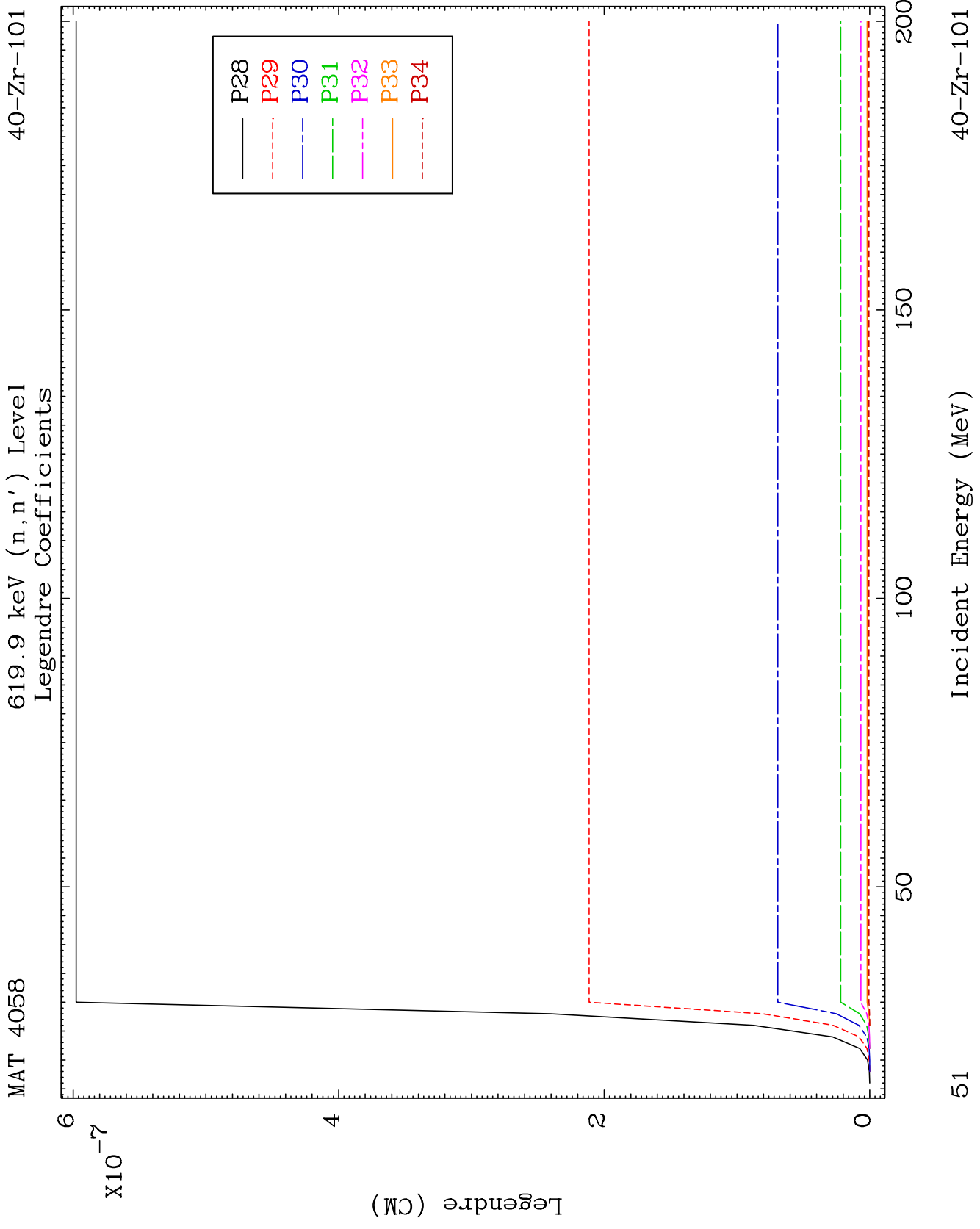
49

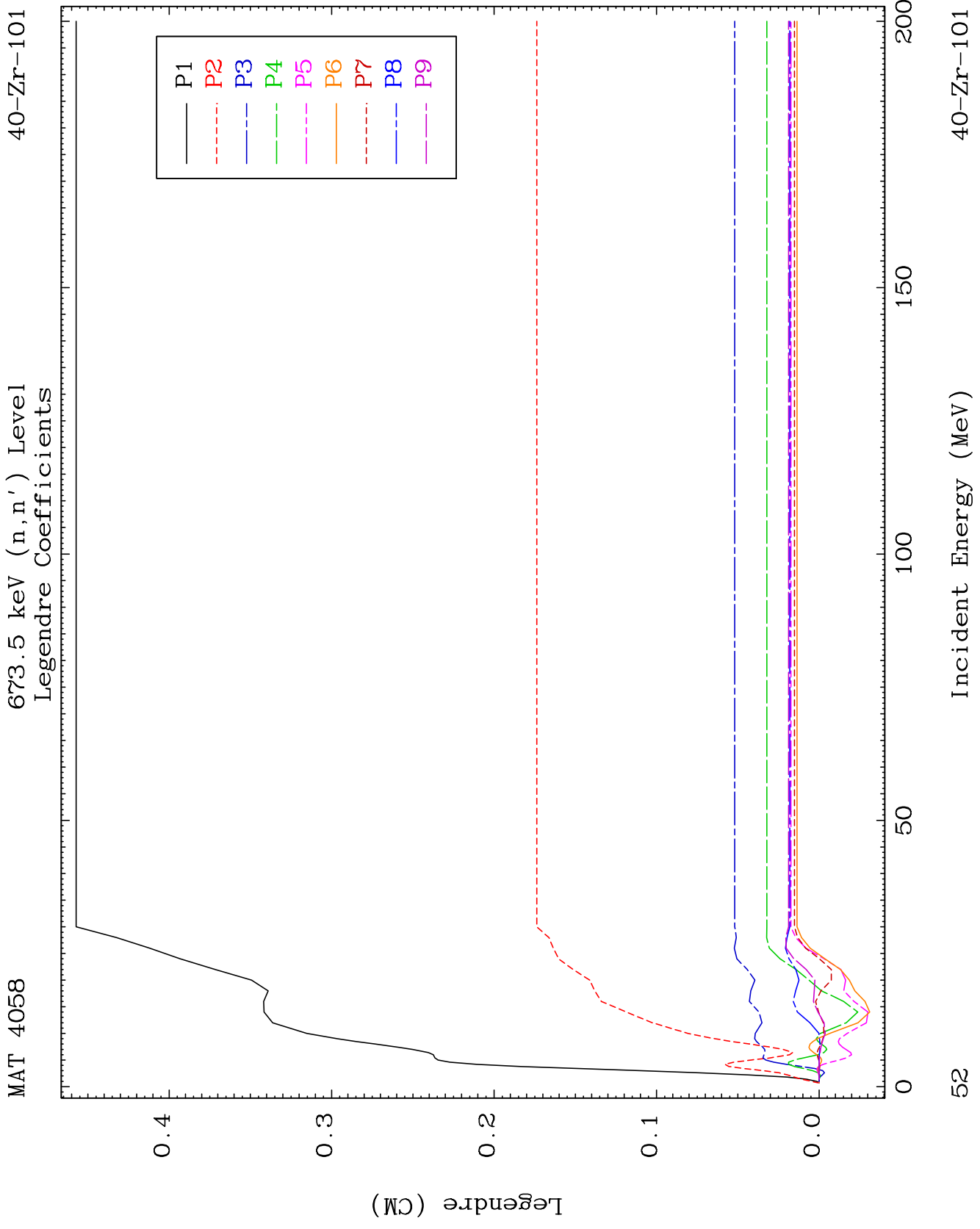
MAT 4058

619.9 keV (n, n') Level  
Legendre Coefficients

40-Zr-101



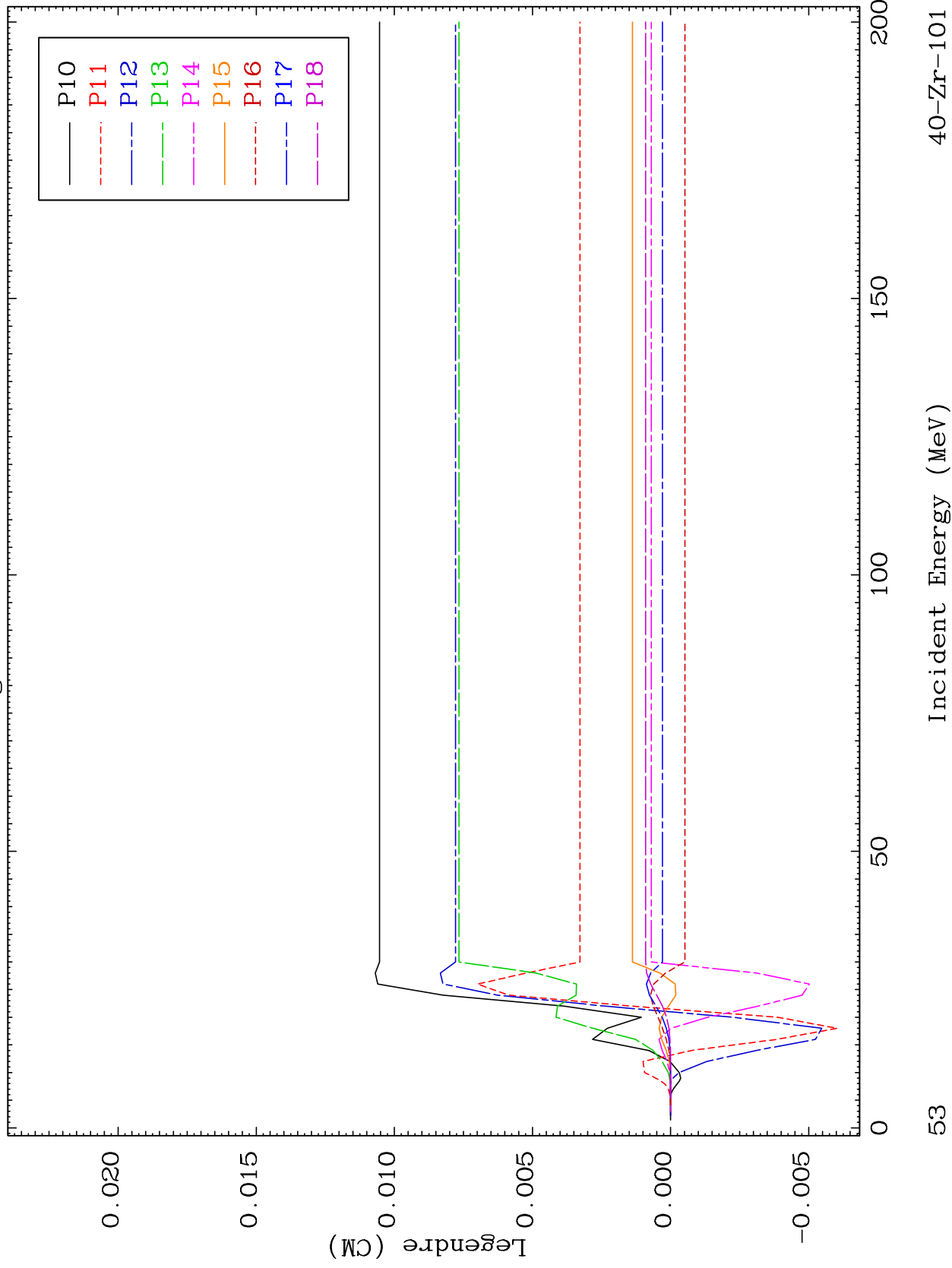




MAT 4058

673.5 keV (n,n') Level  
Legendre Coefficients

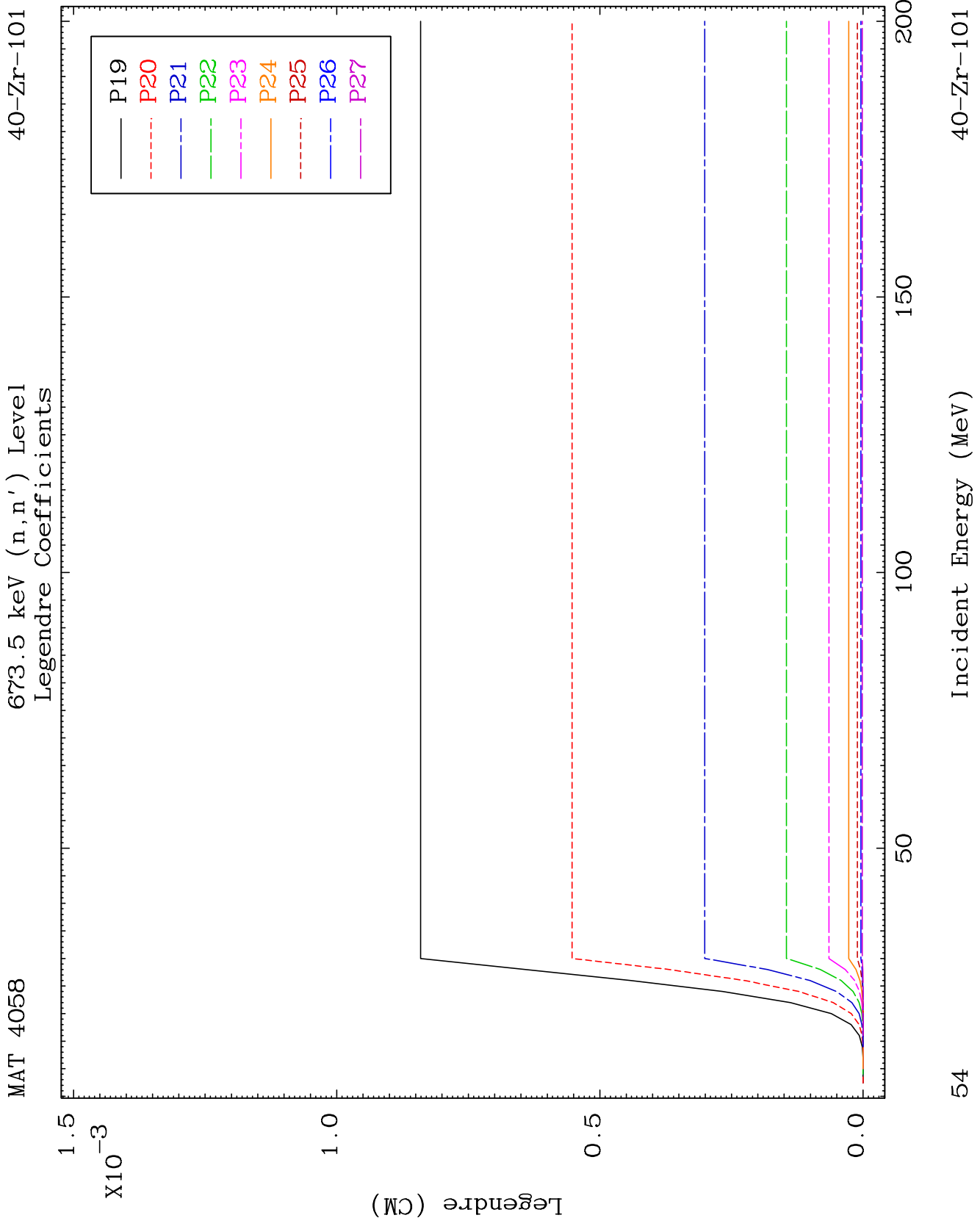
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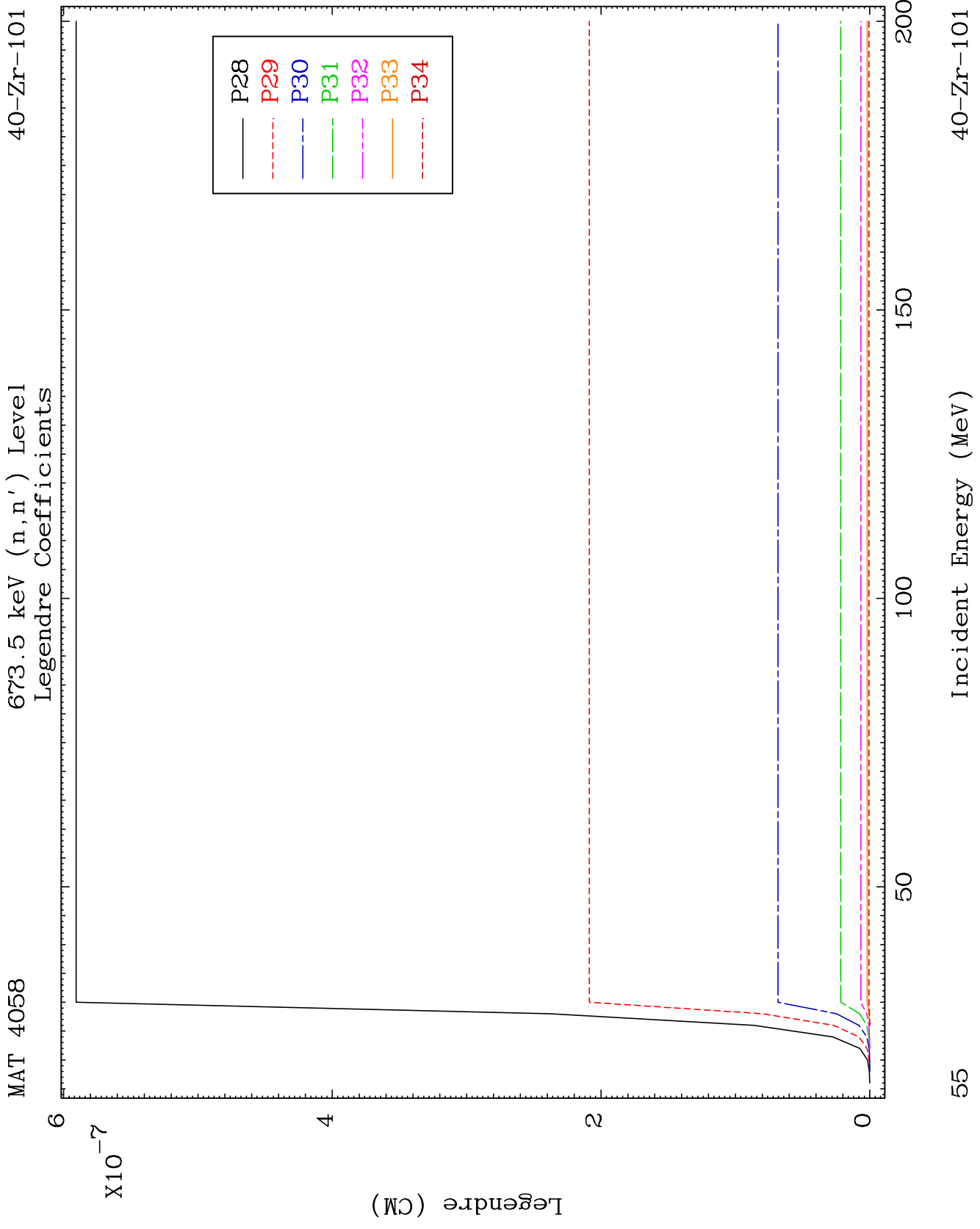


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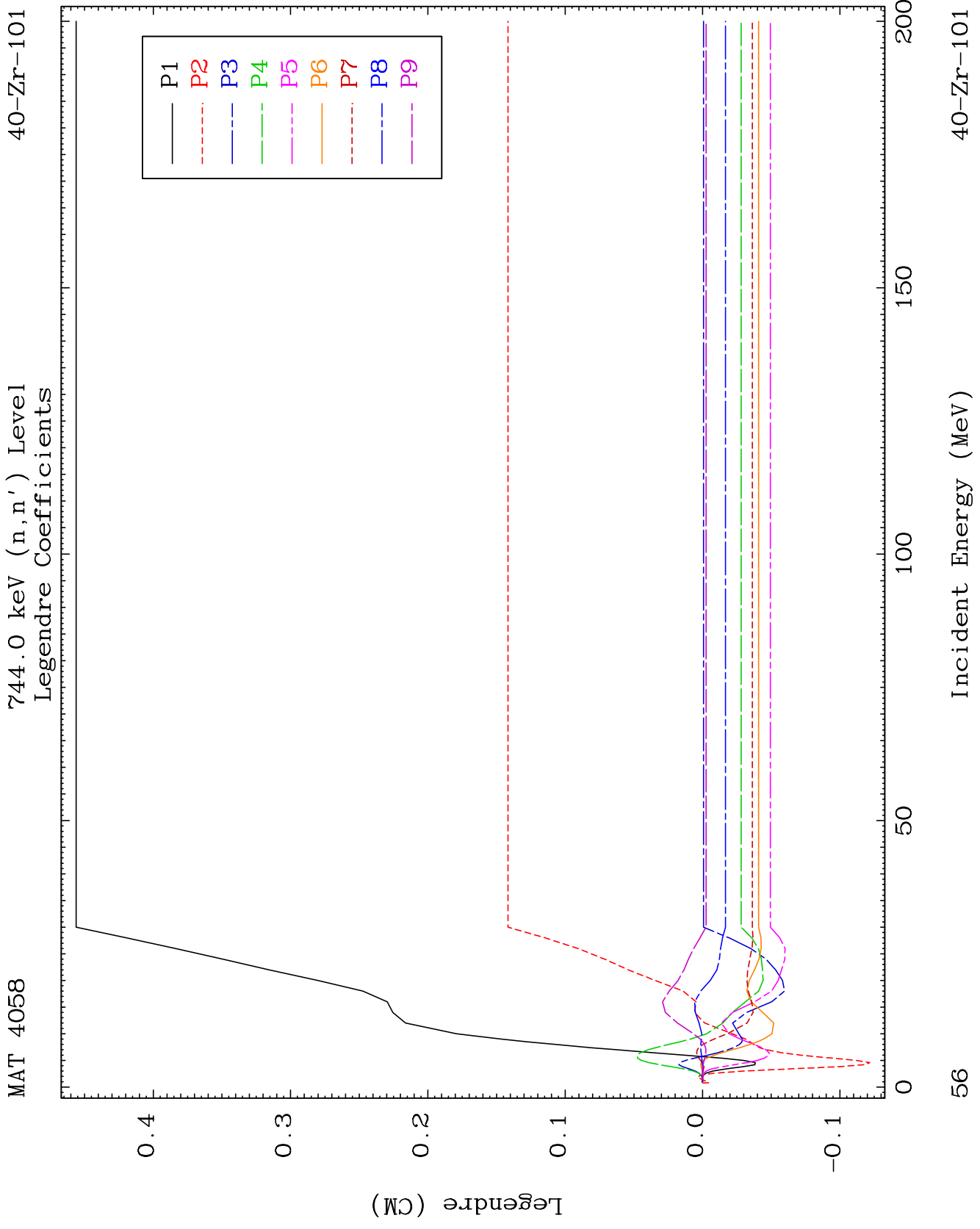
Incident Energy (MeV)

53

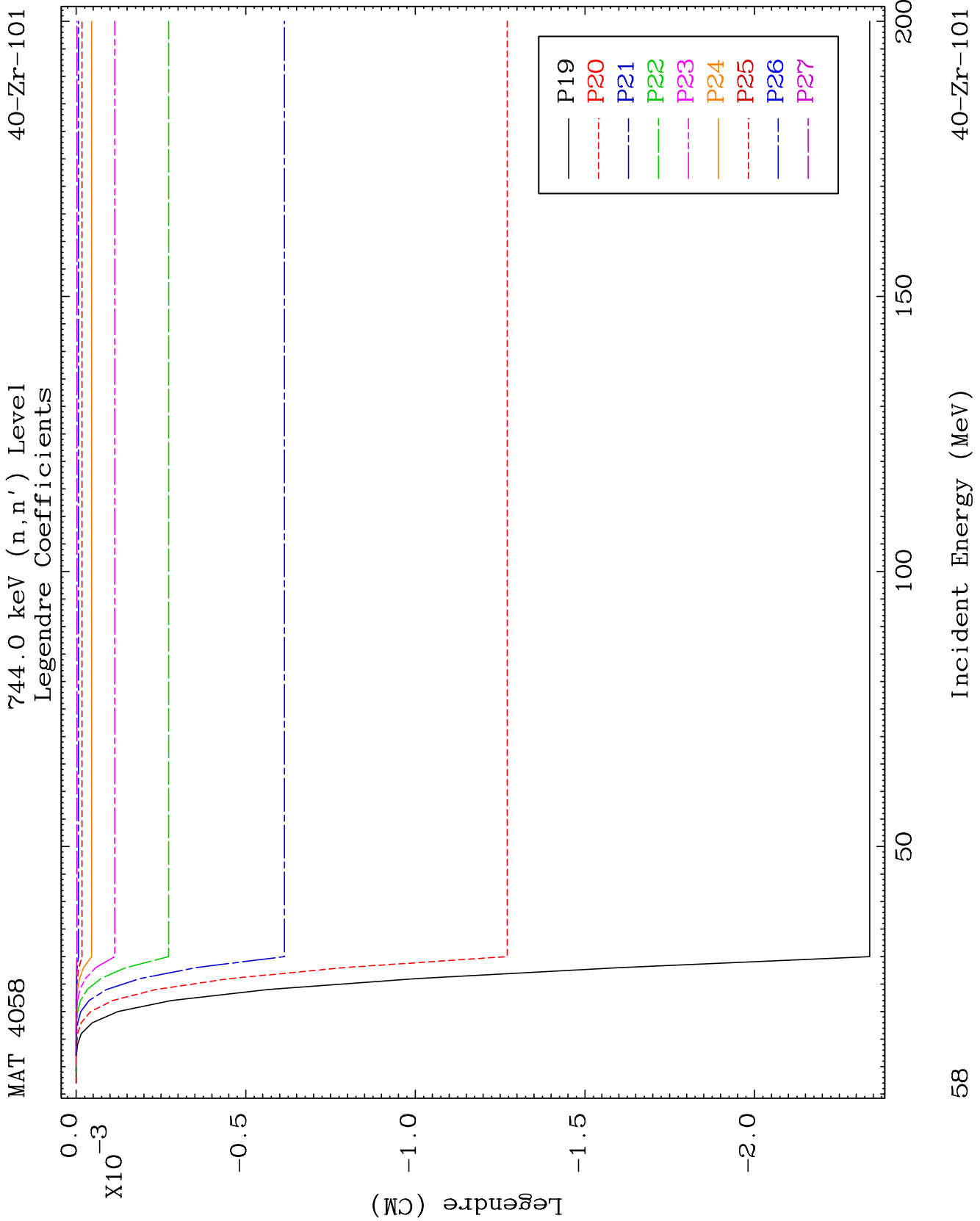


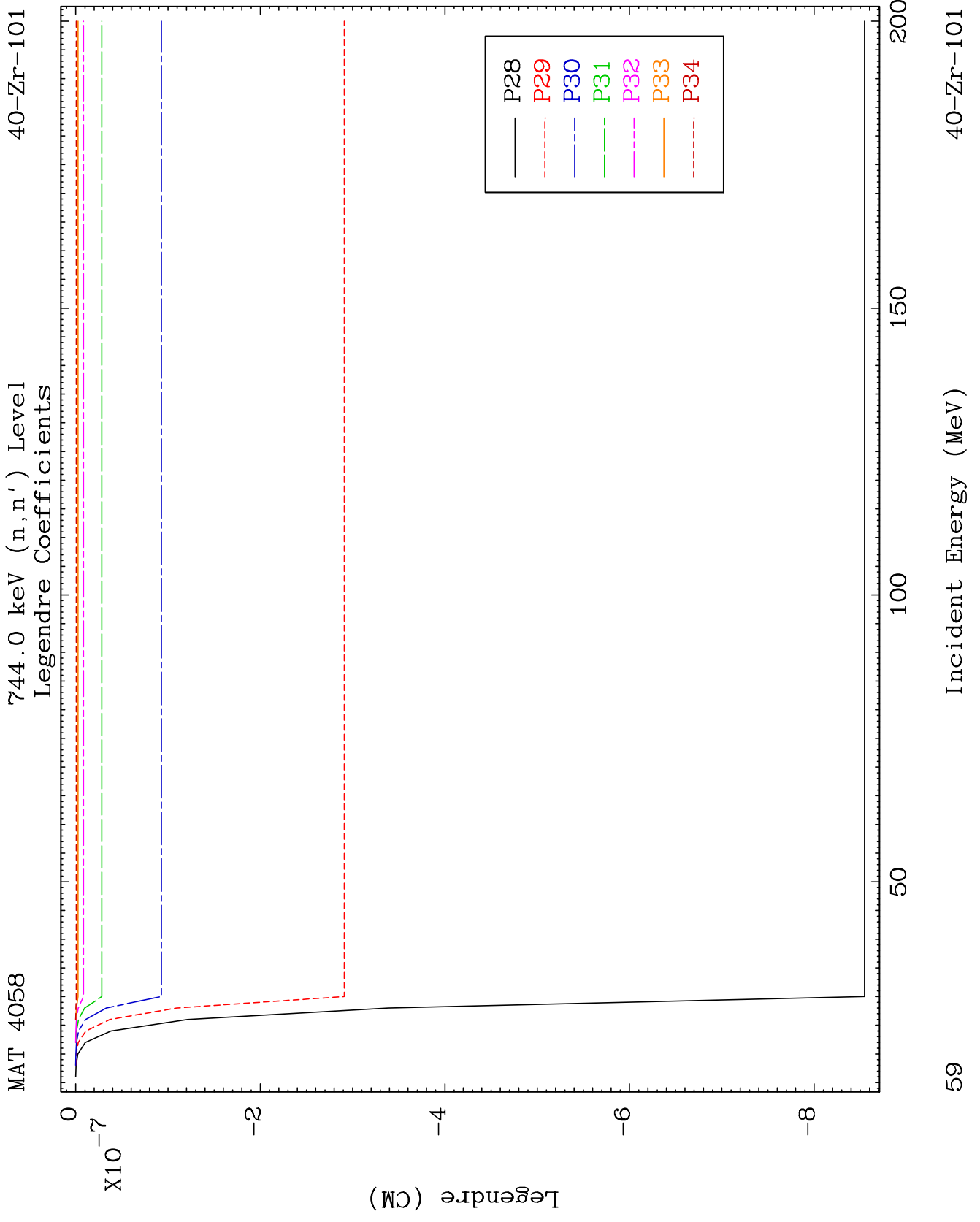


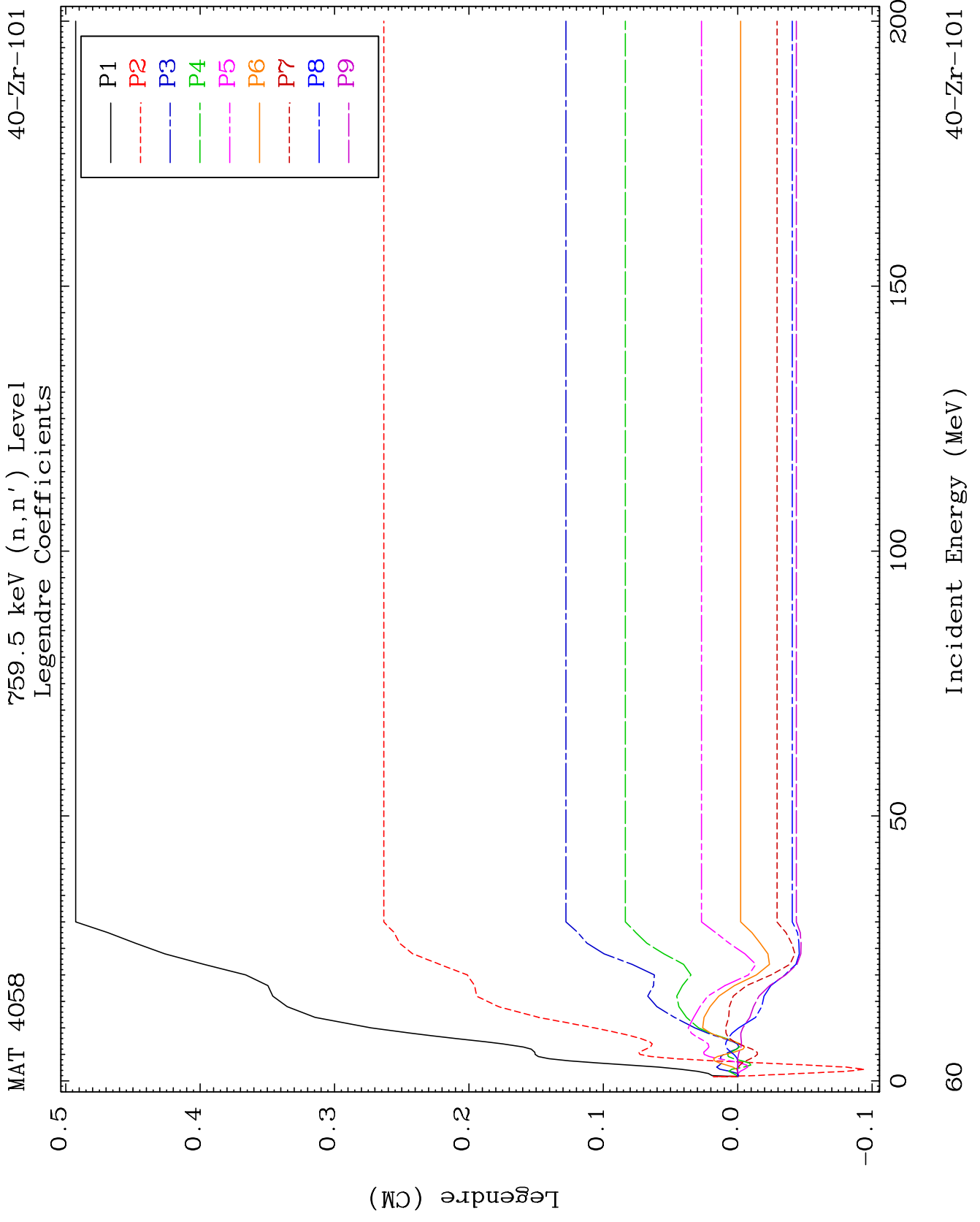


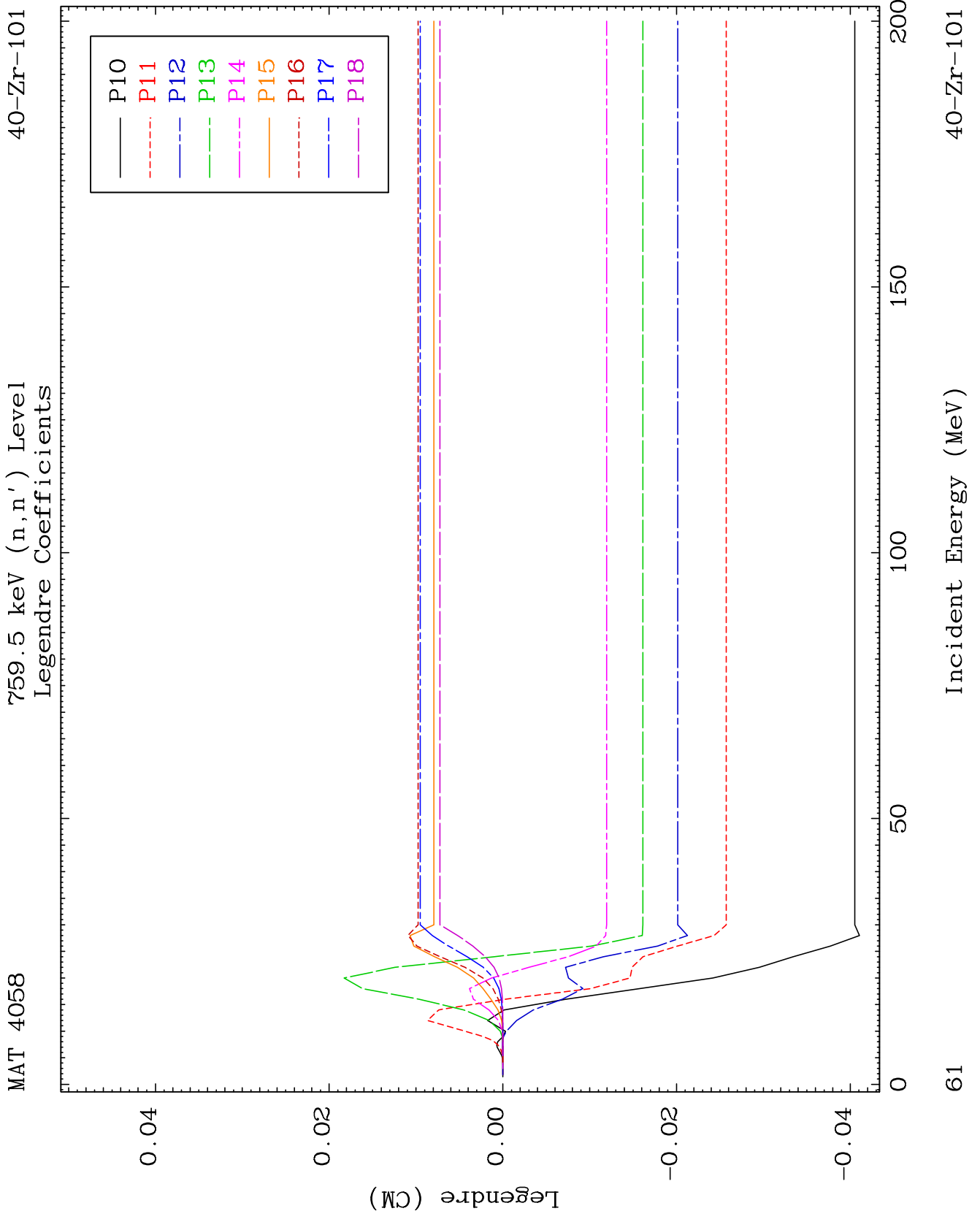


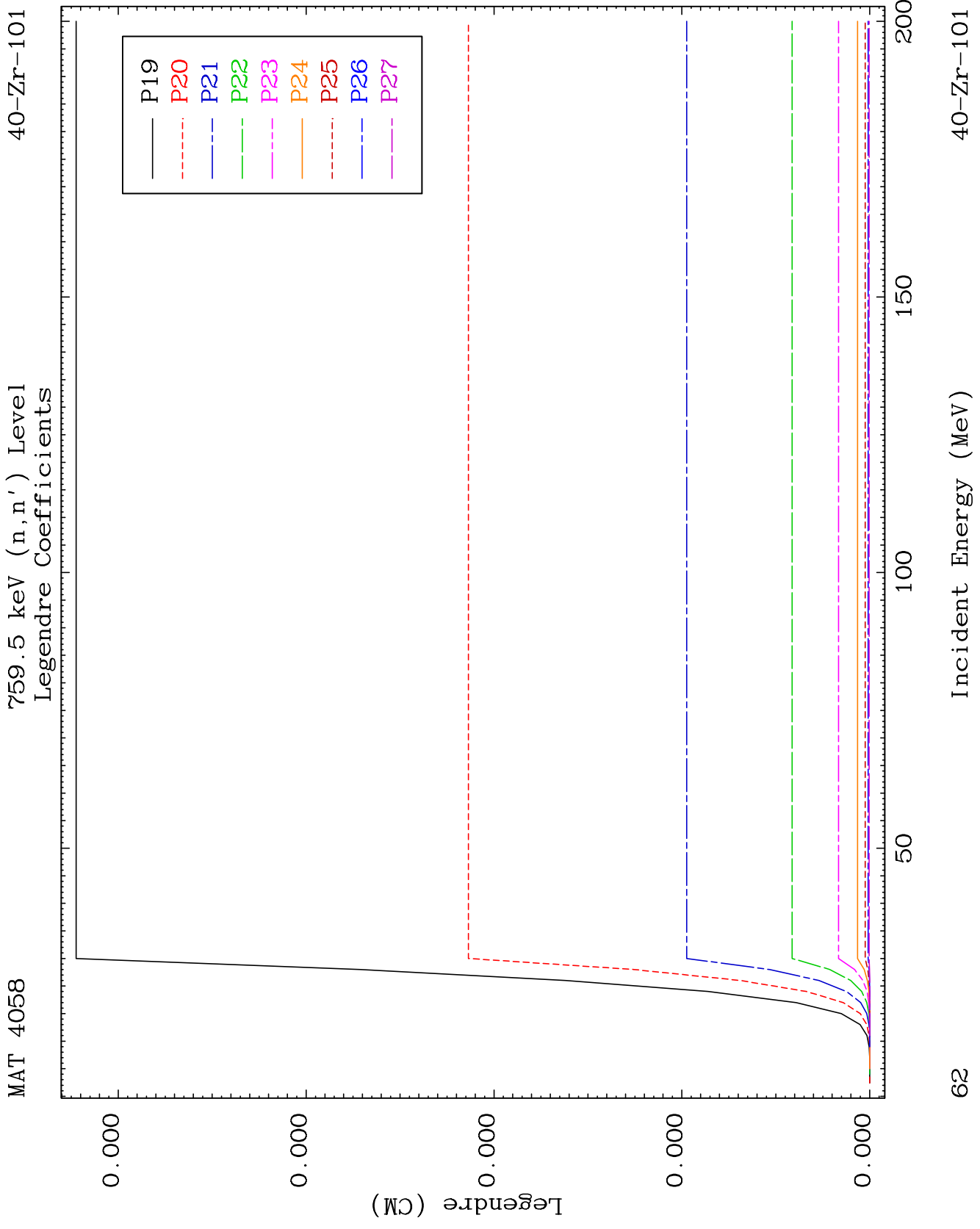


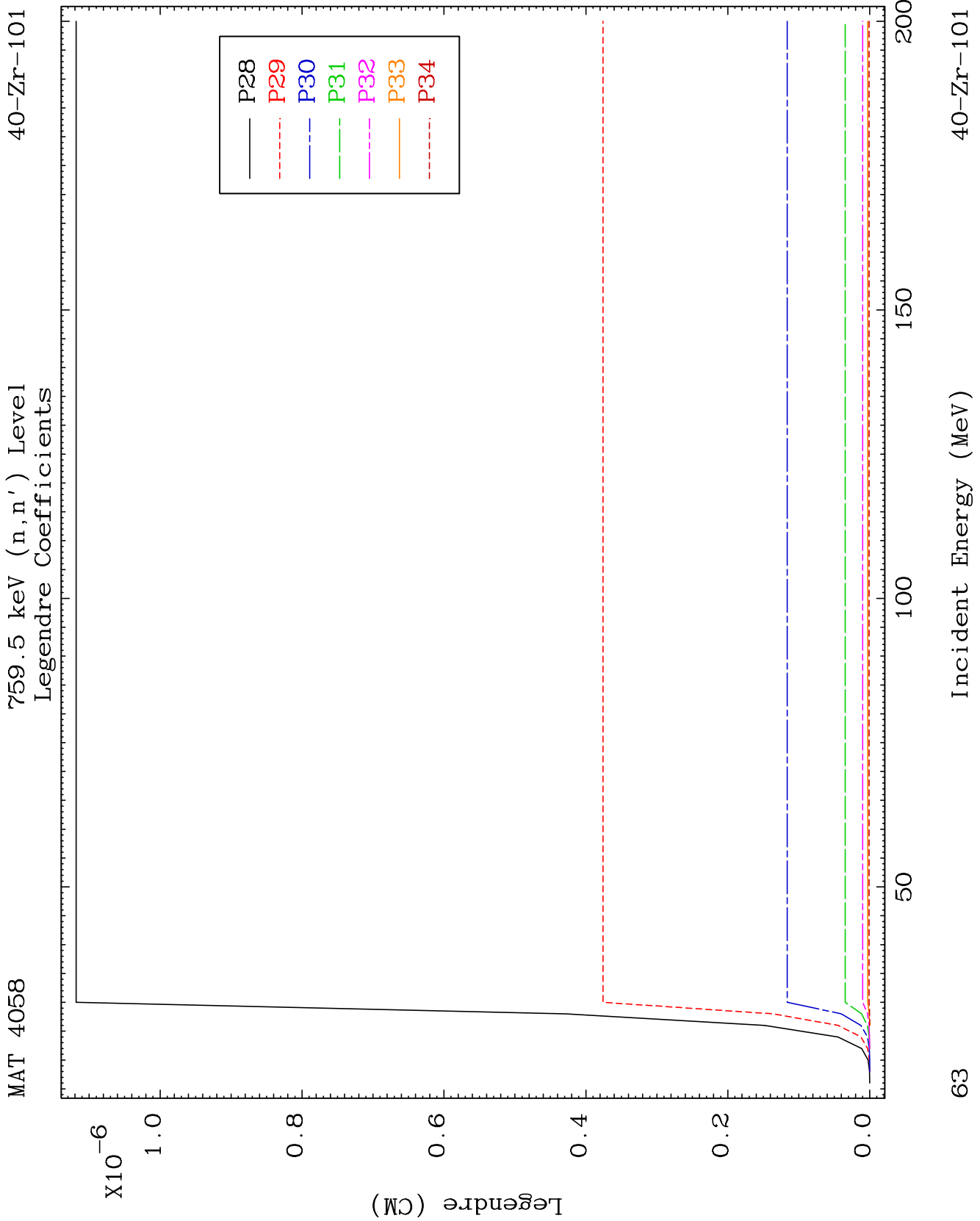




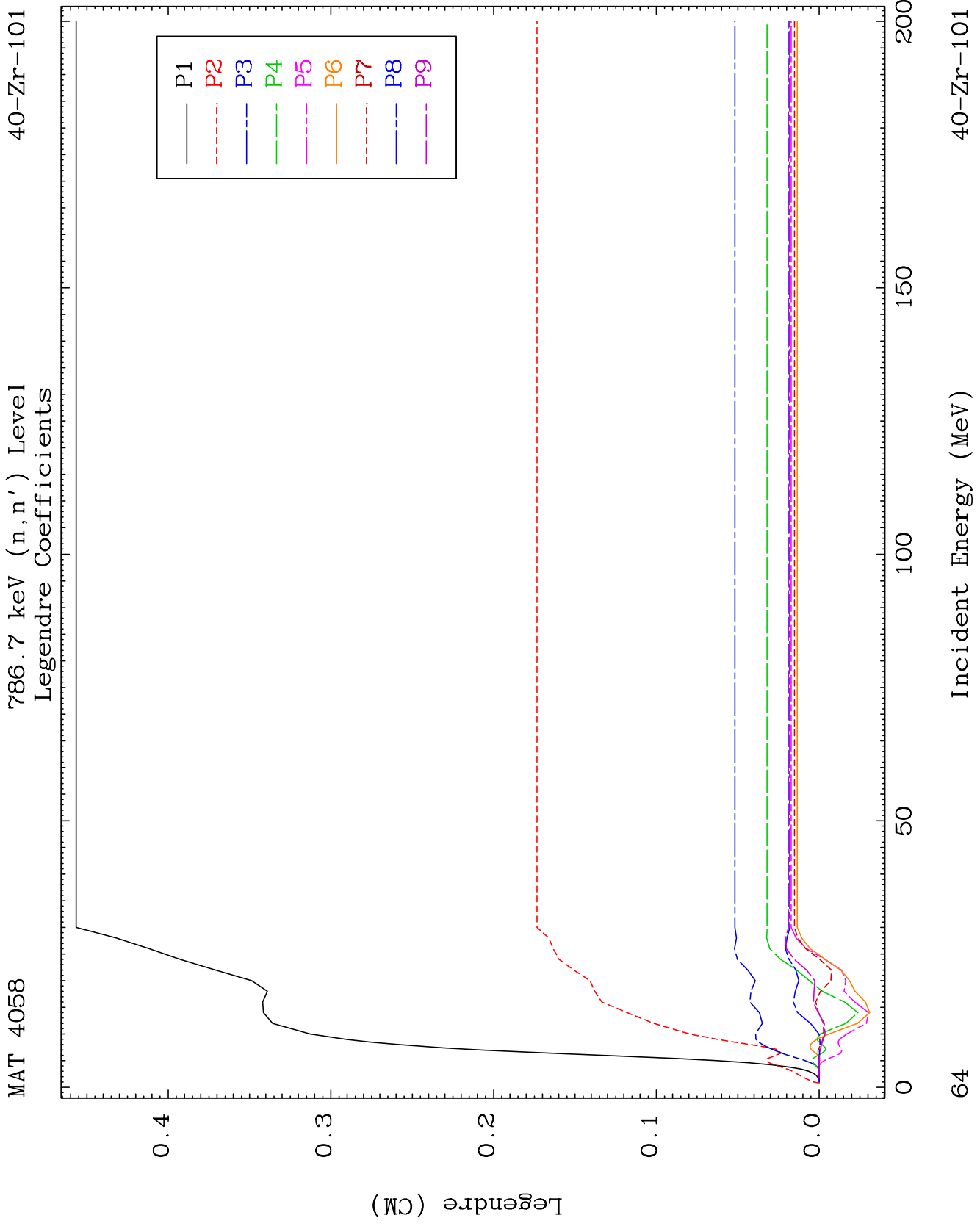










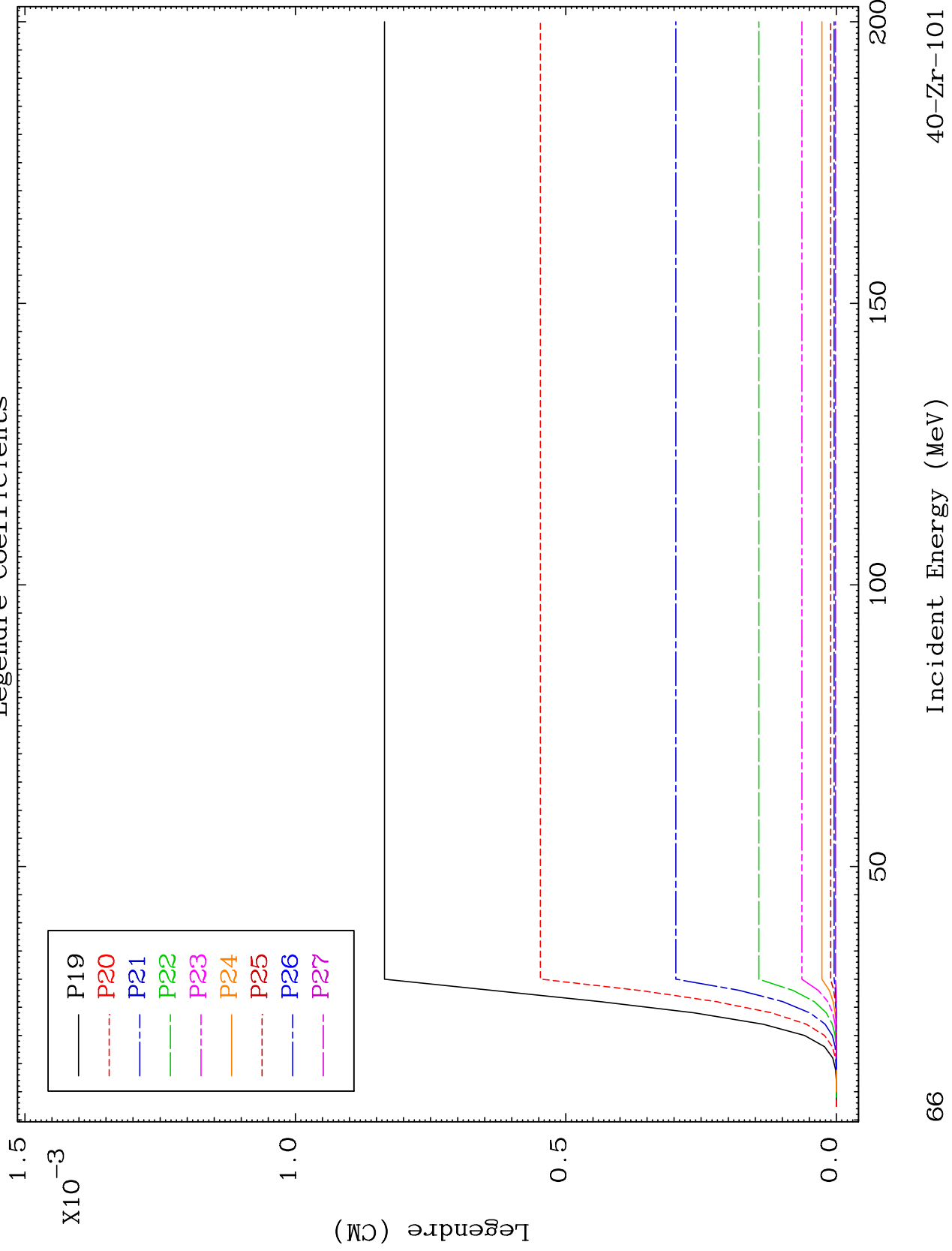




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786.7 keV (n,n') Level  
Legendre Coefficients

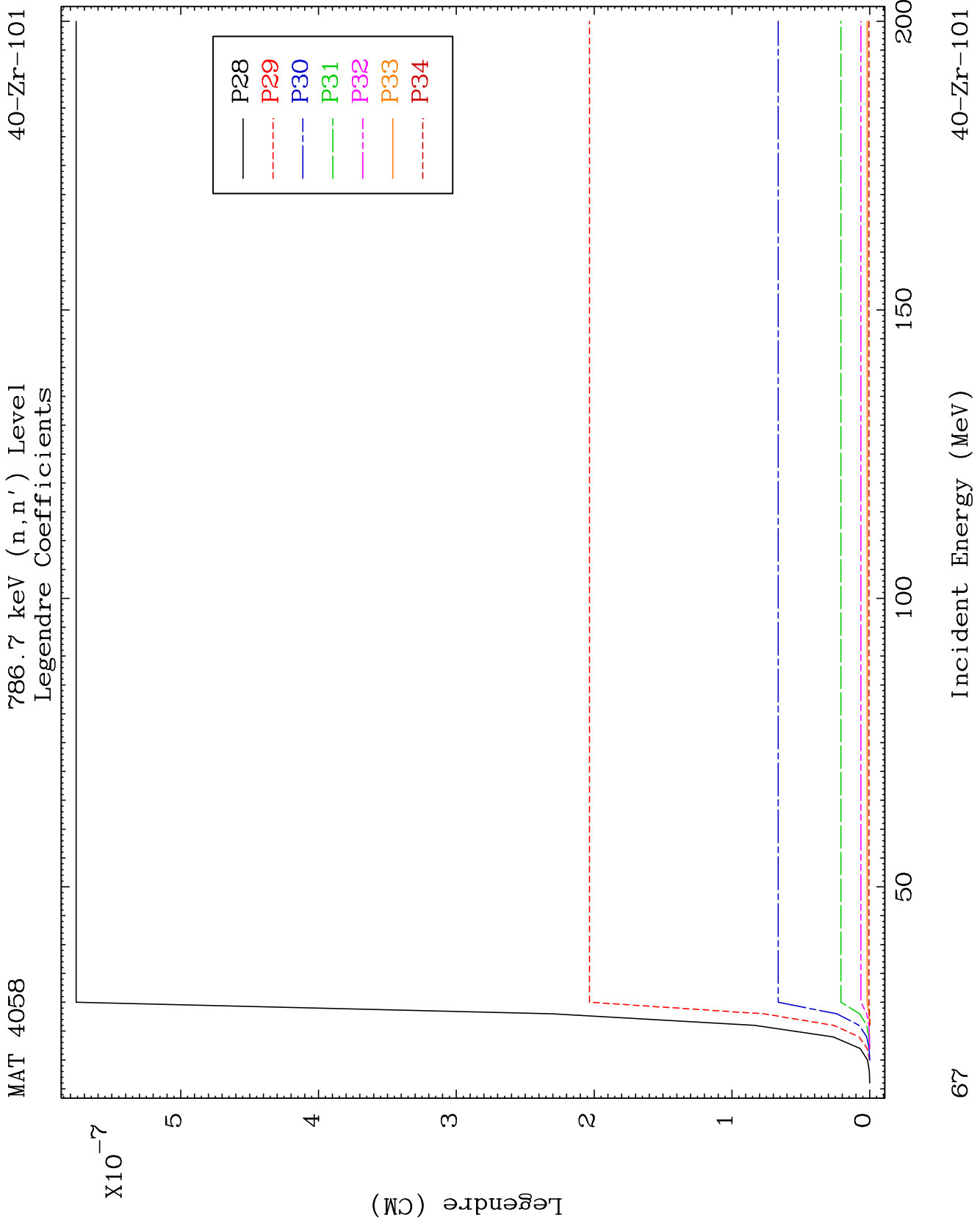
40-Zr-101

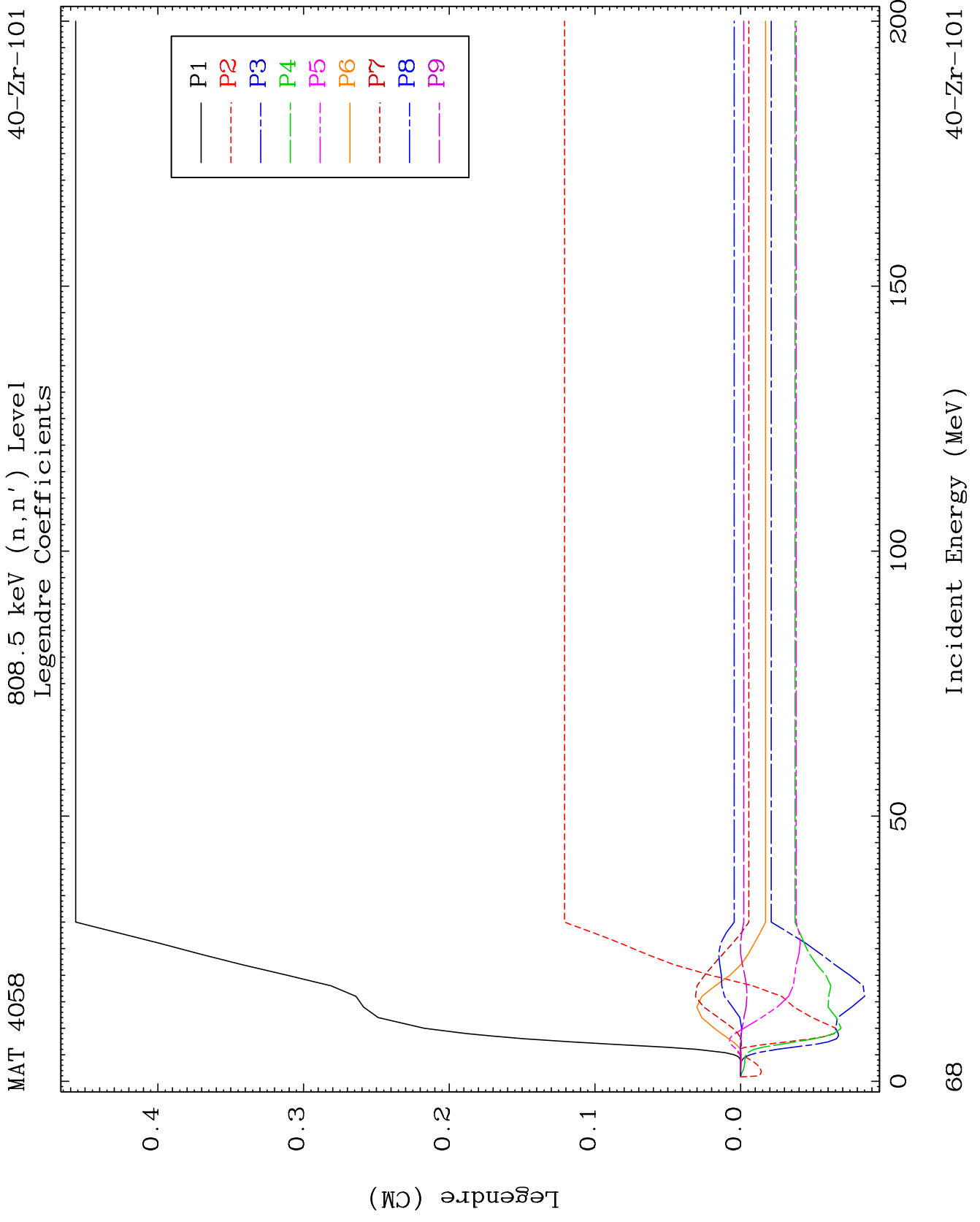


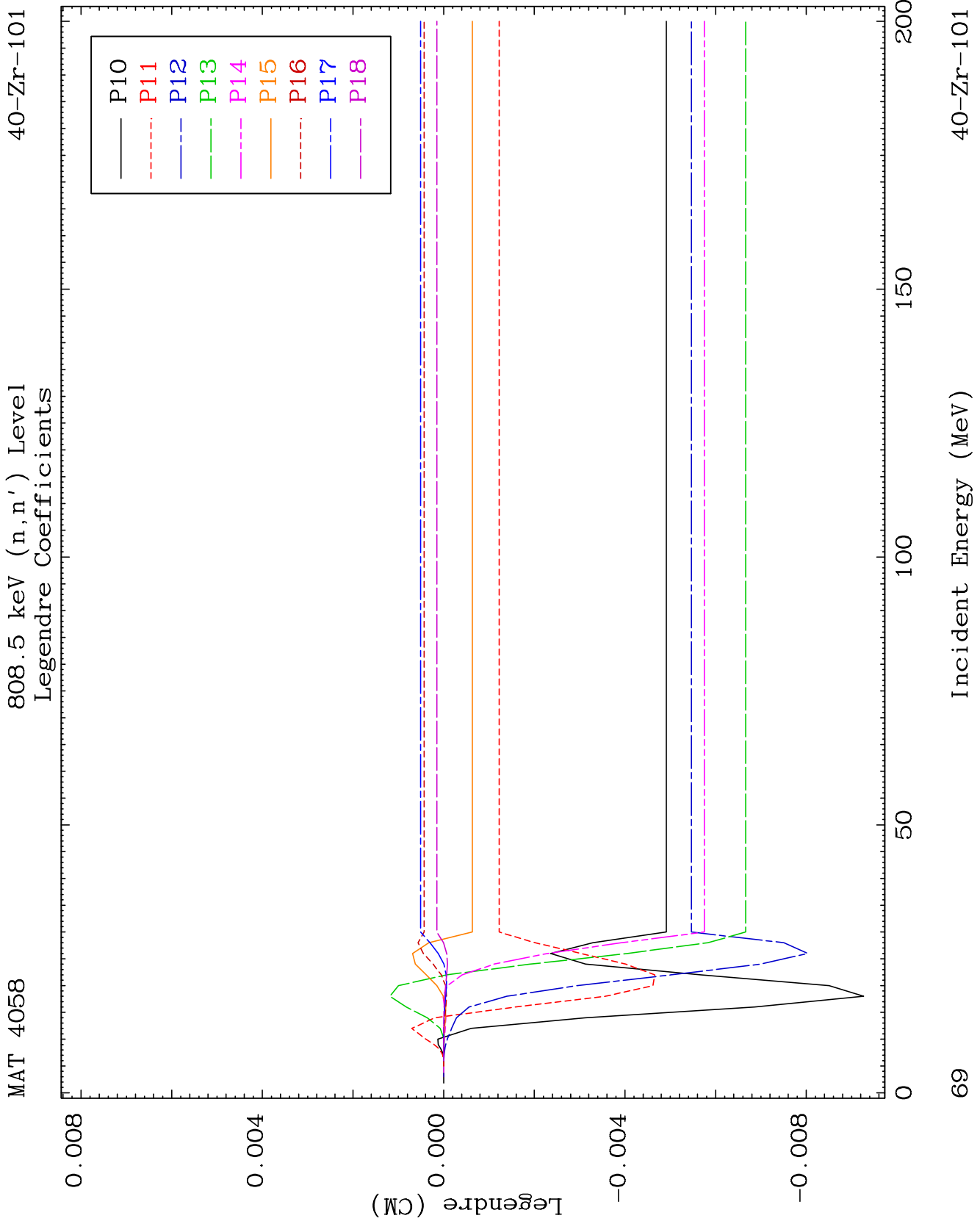
66

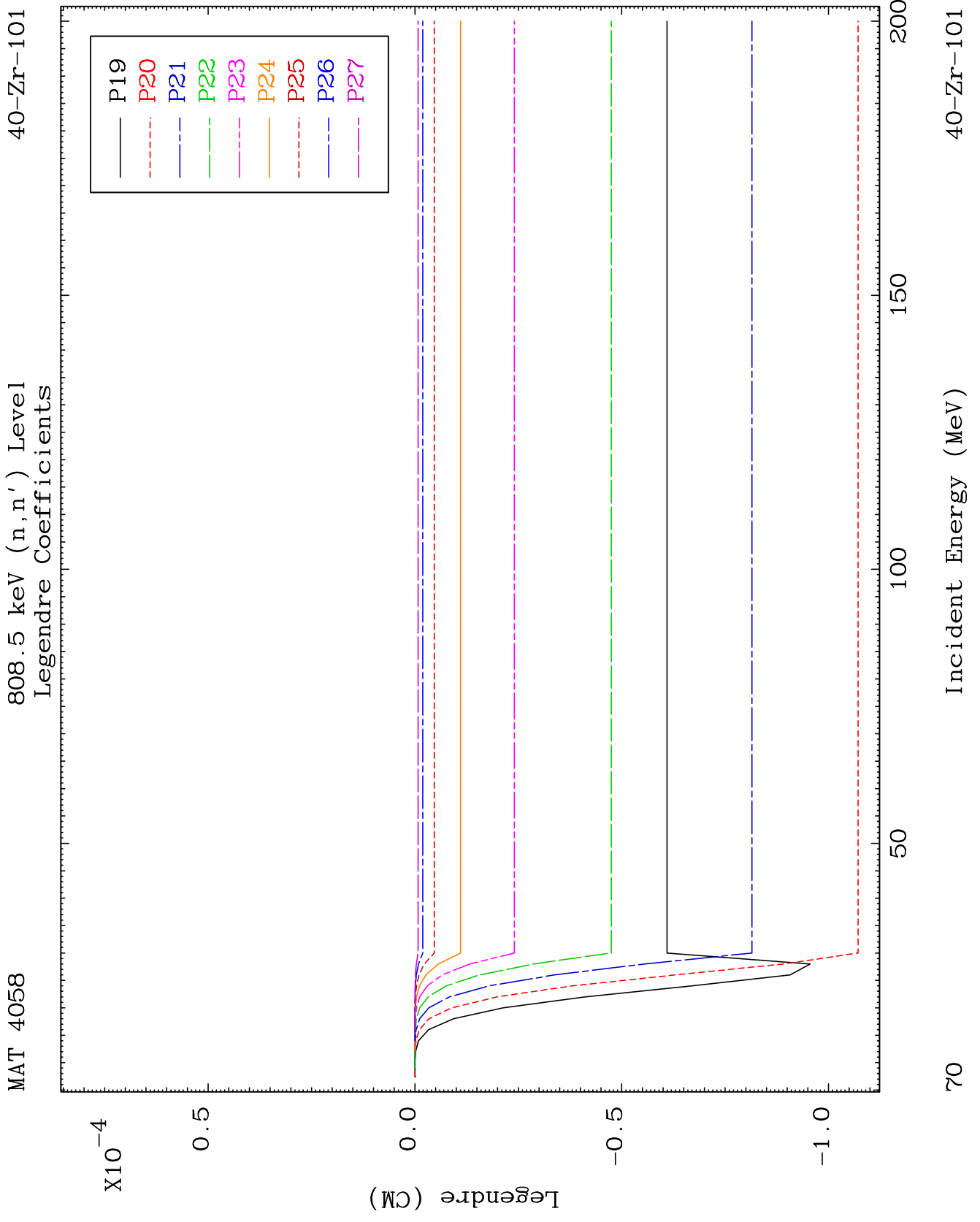
Incident Energy (MeV)

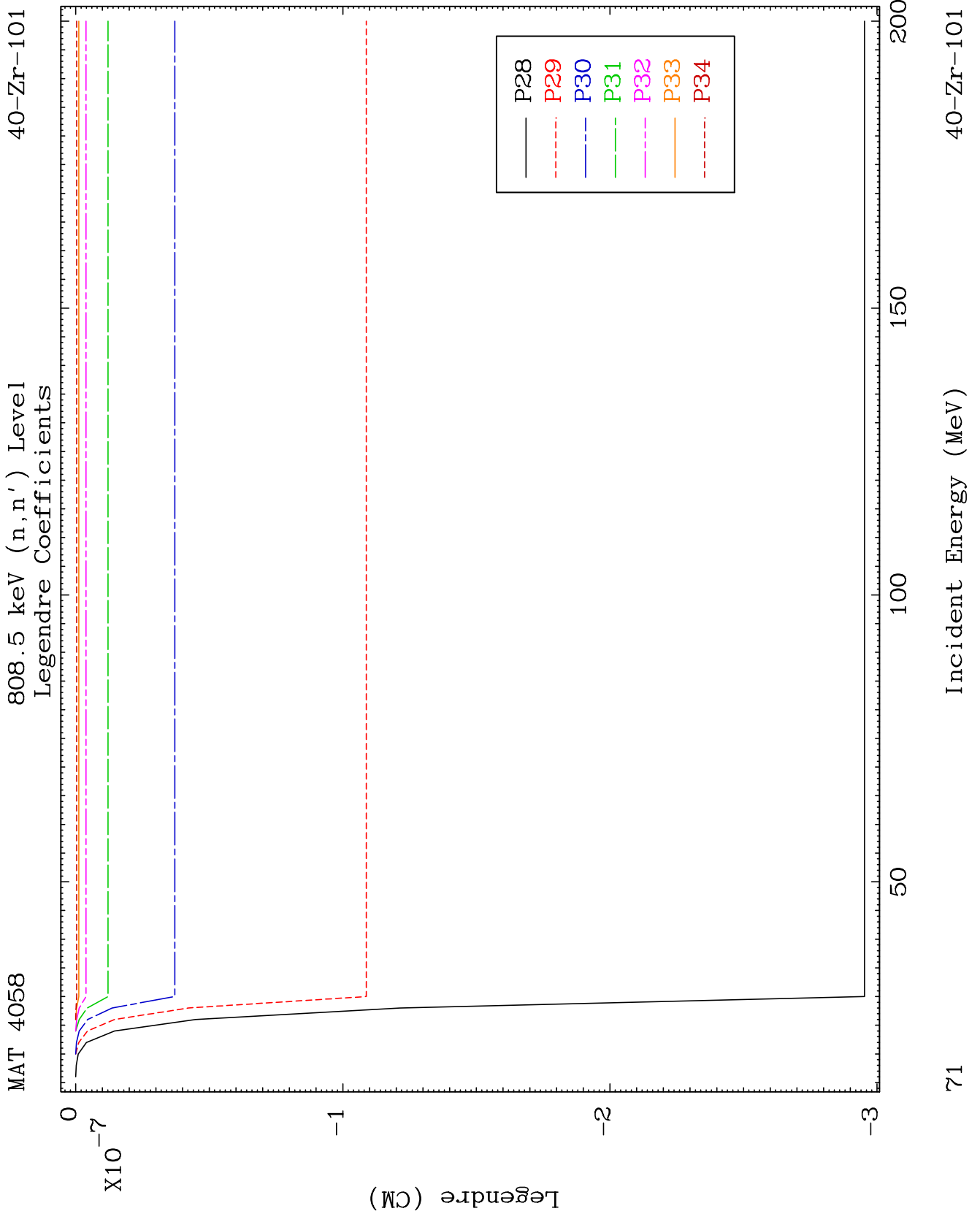
40-Zr-101



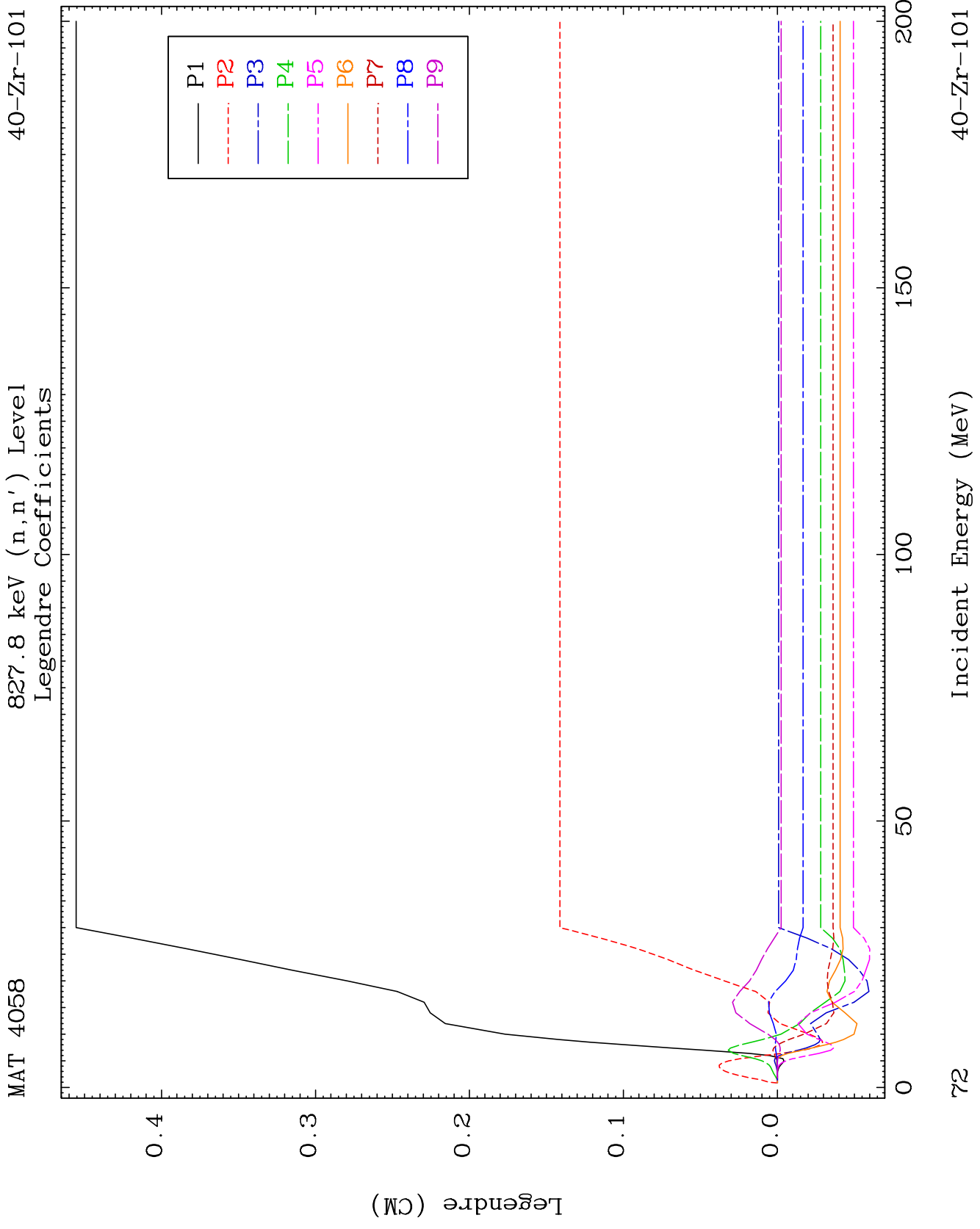


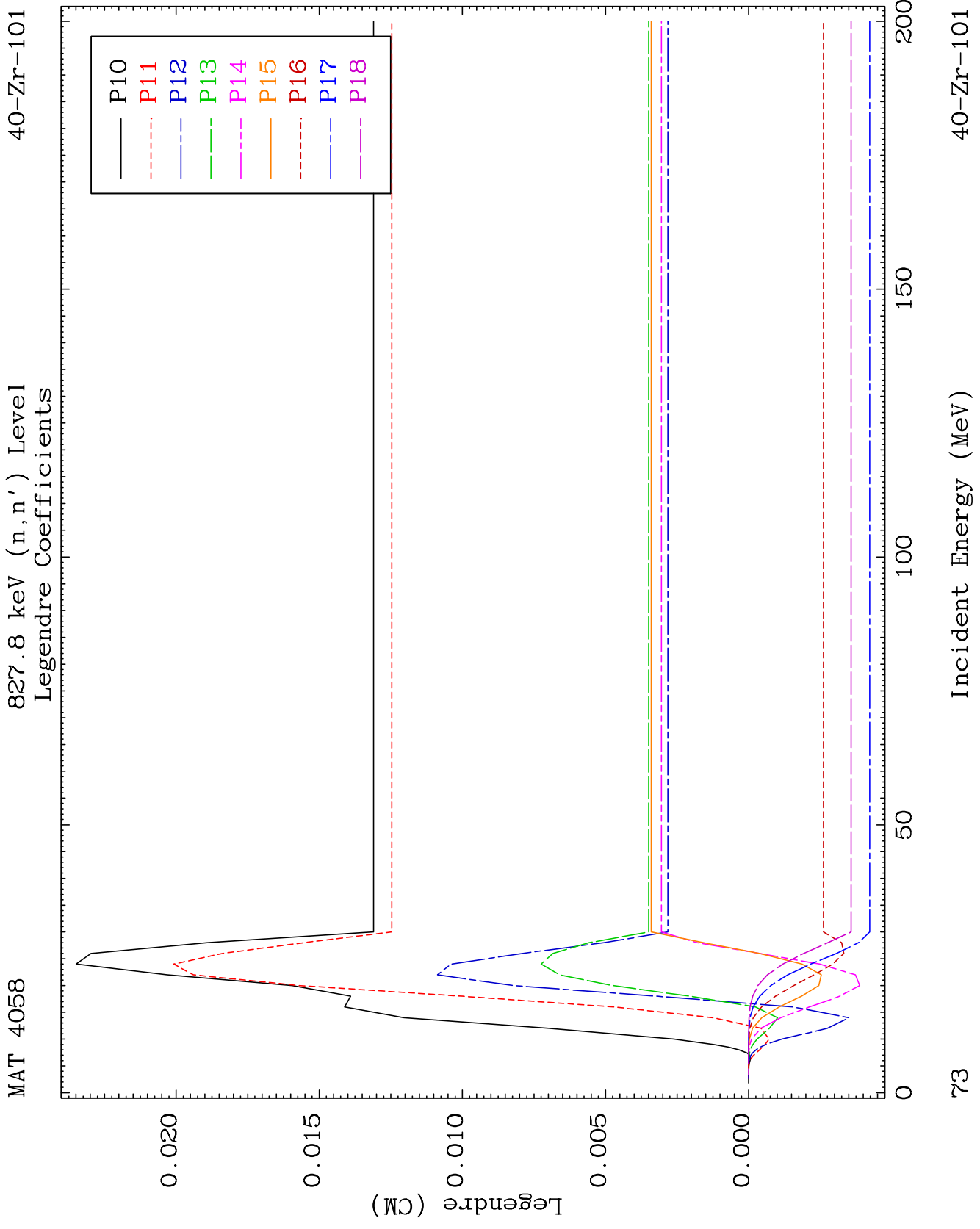


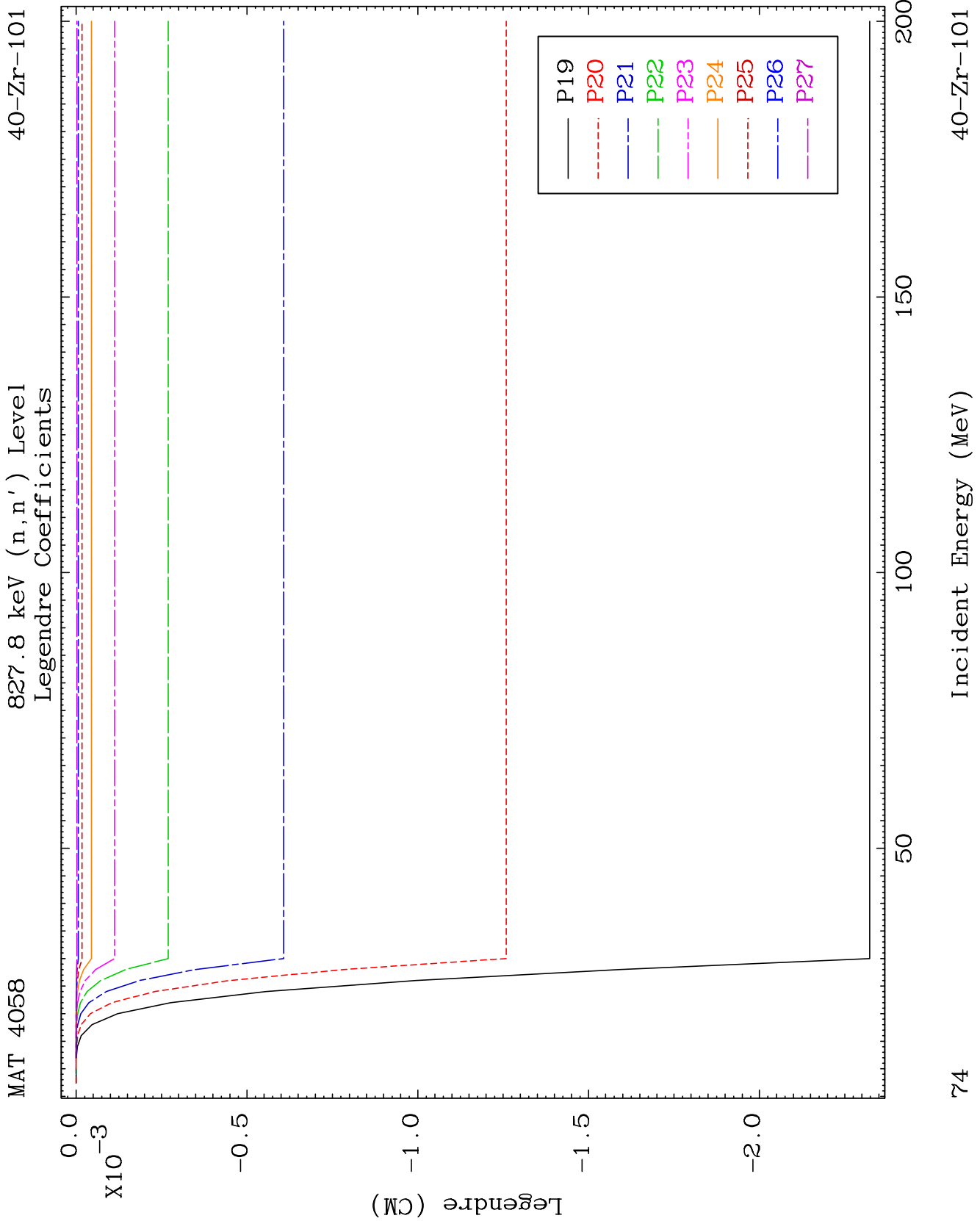


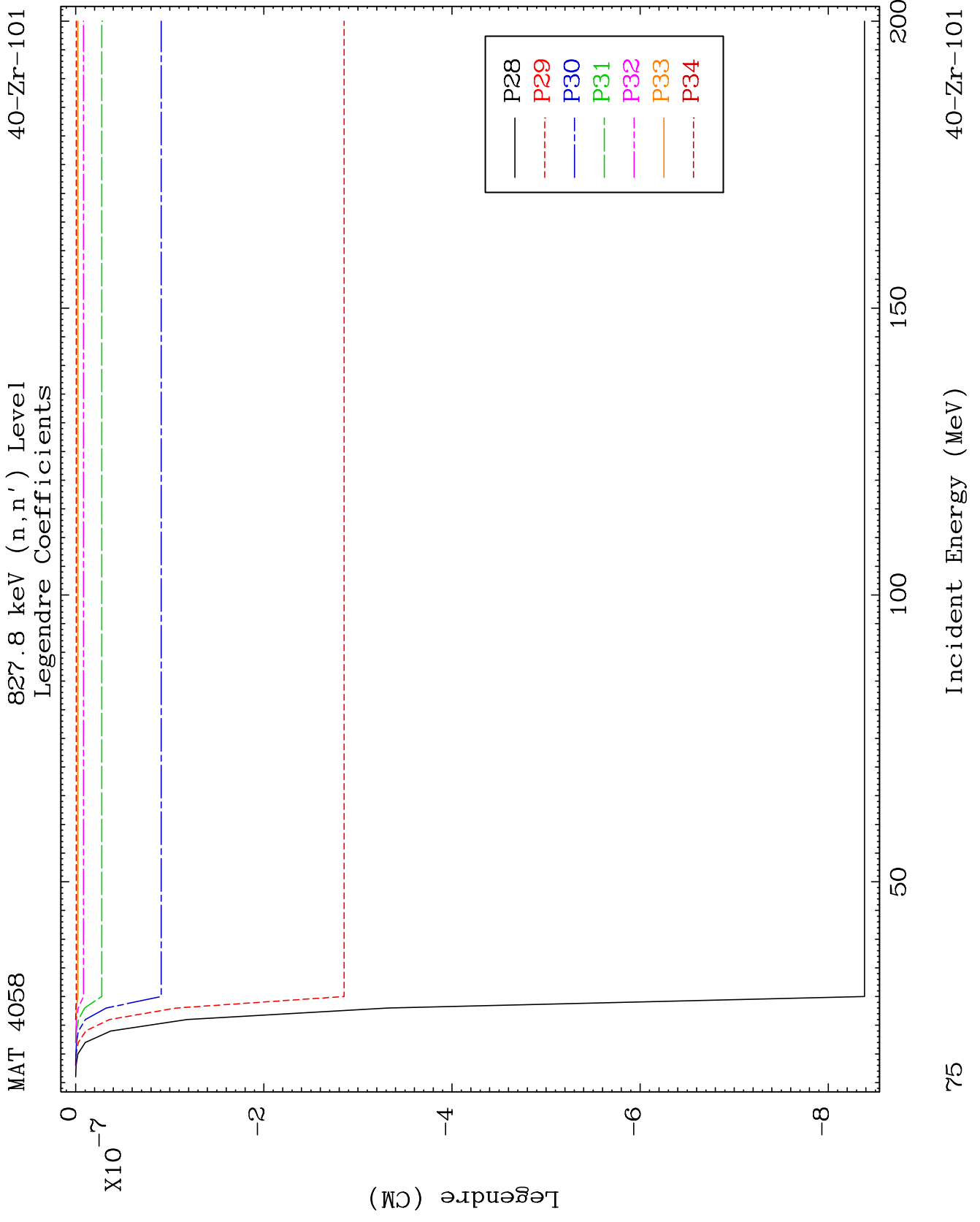


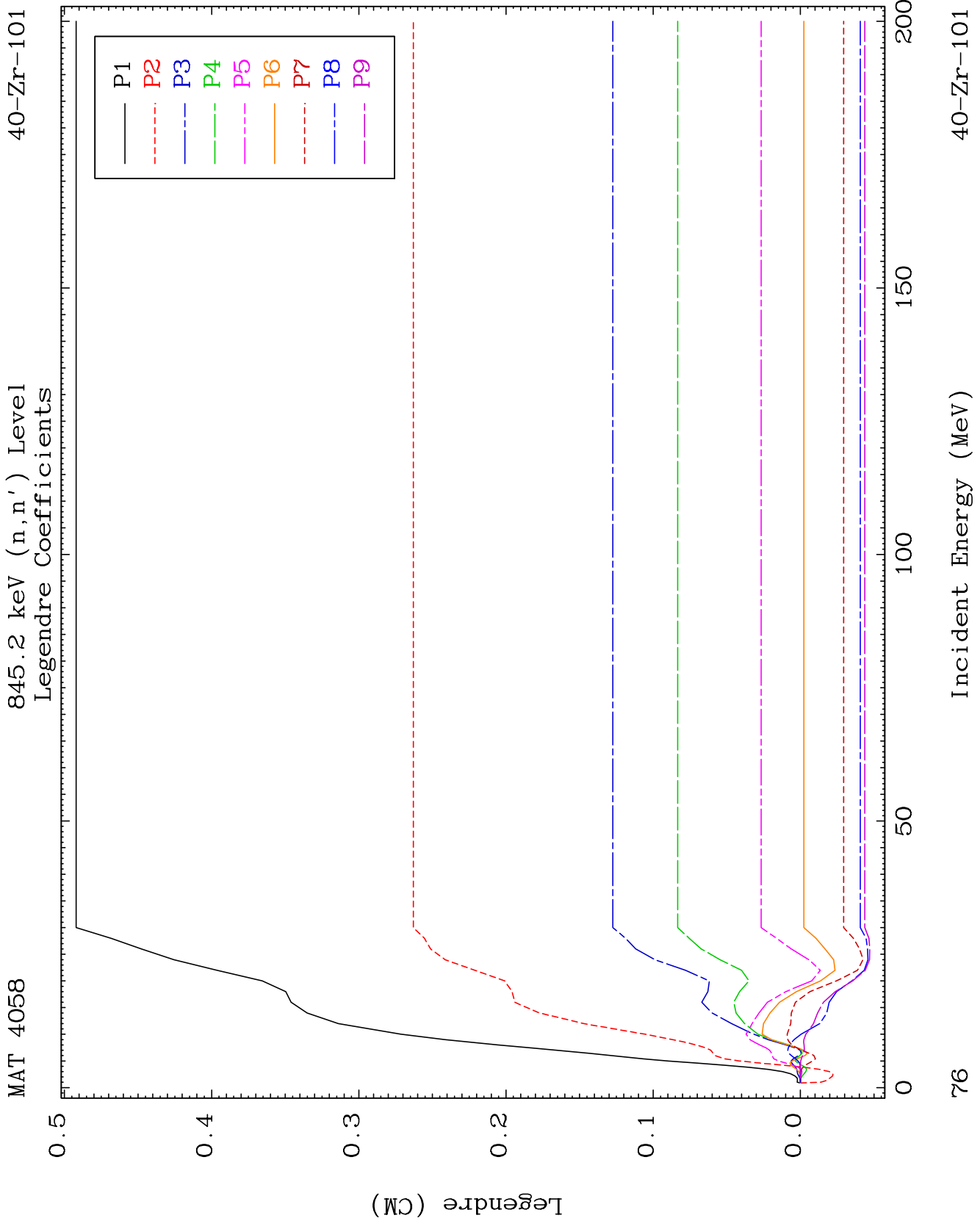


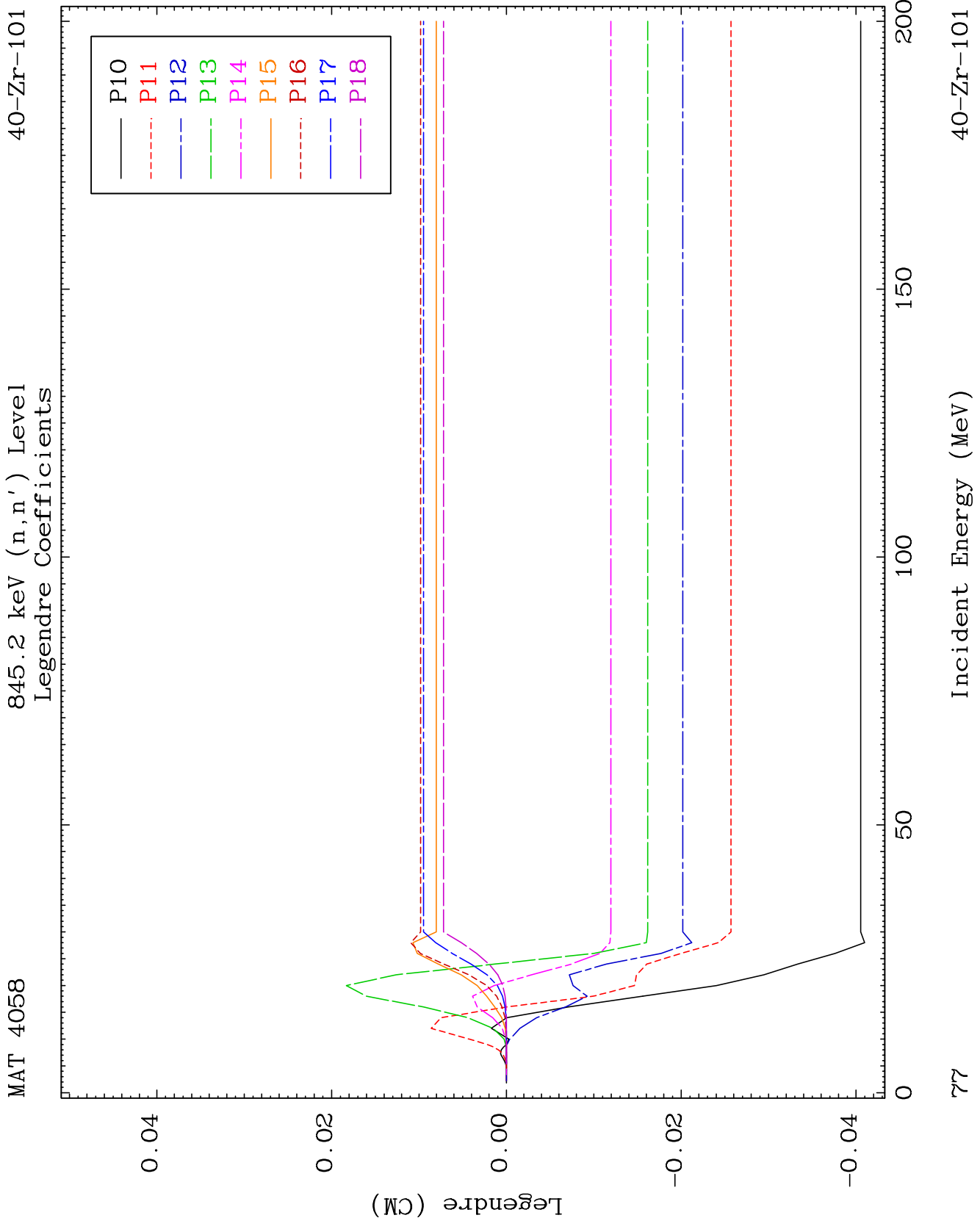


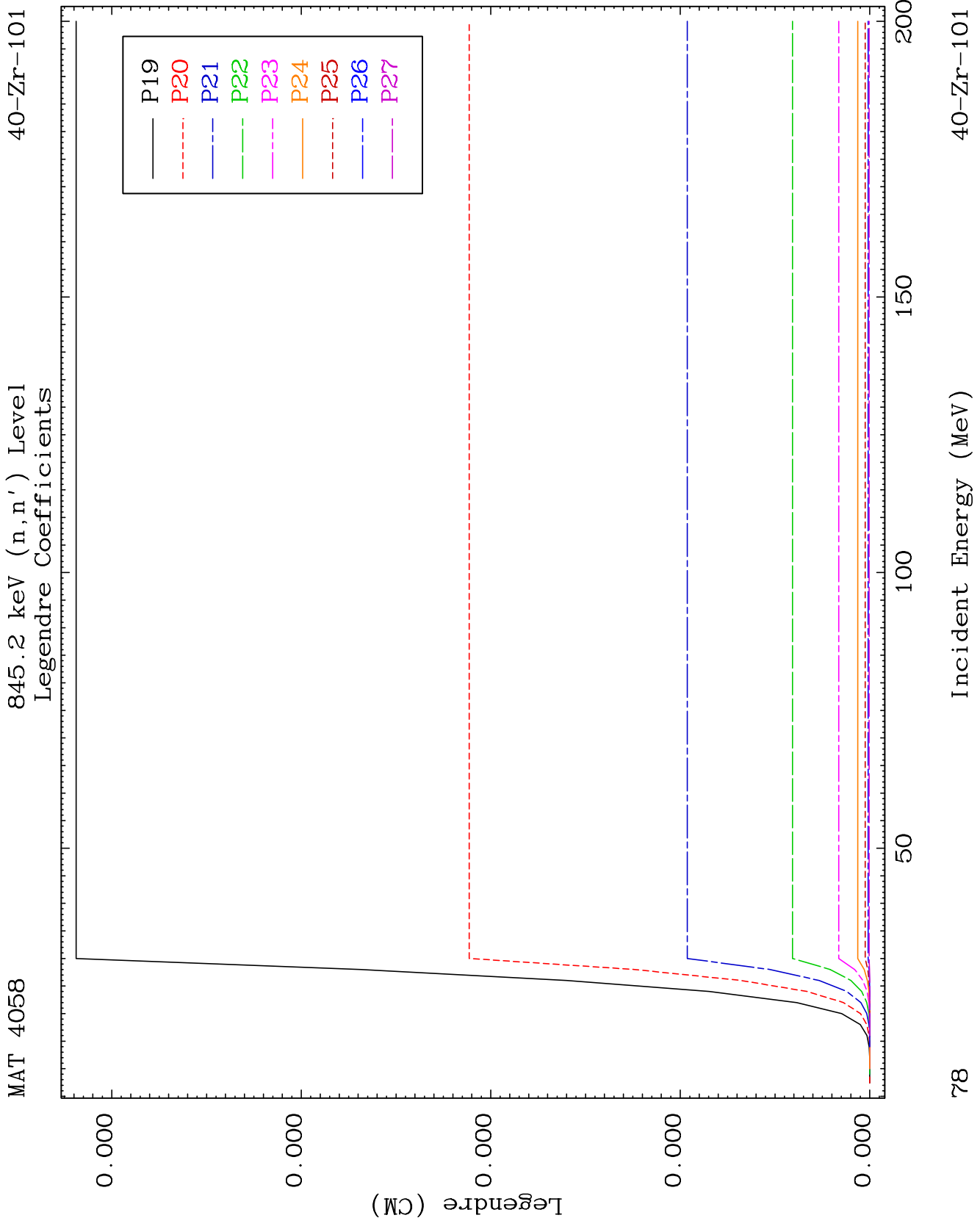


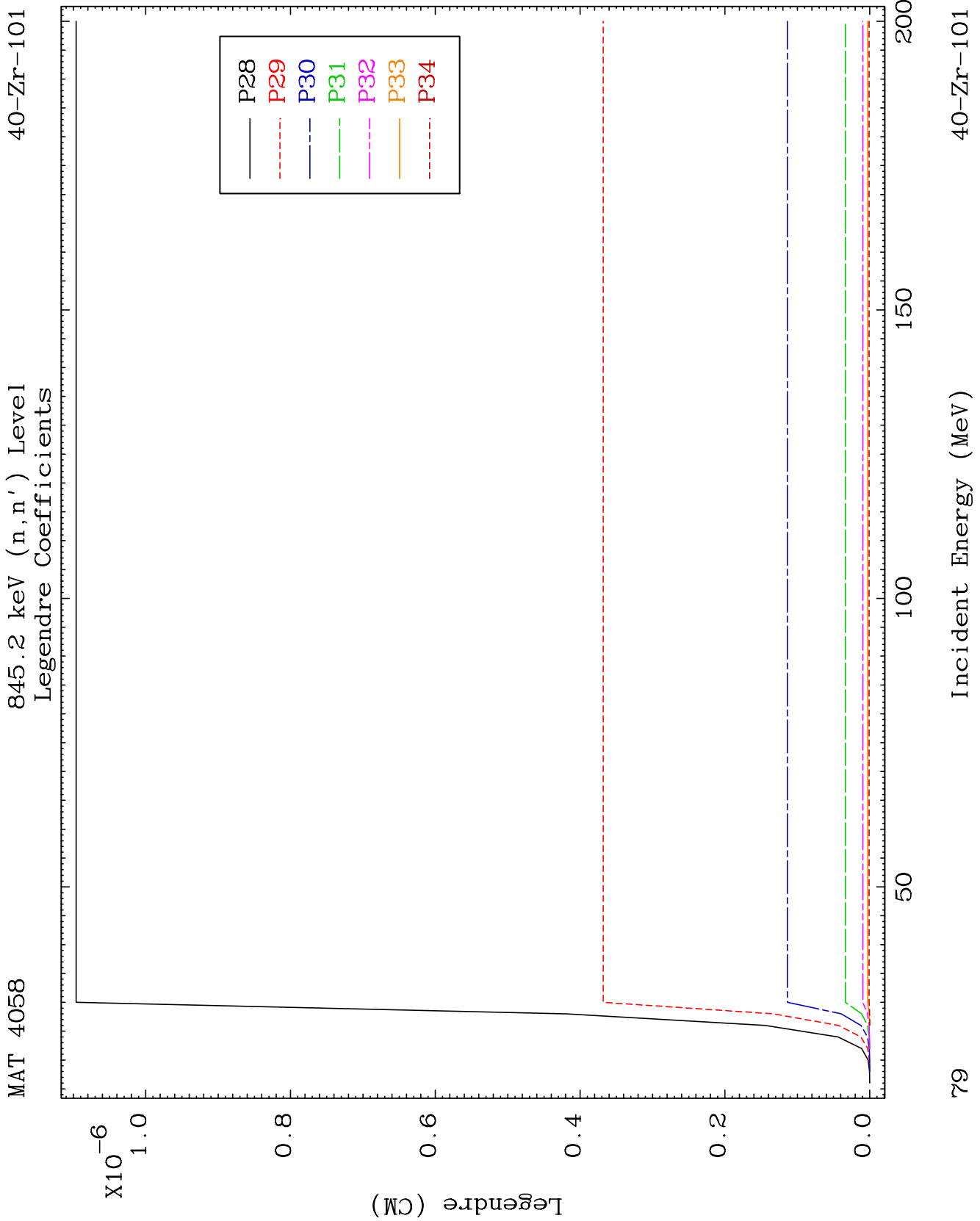




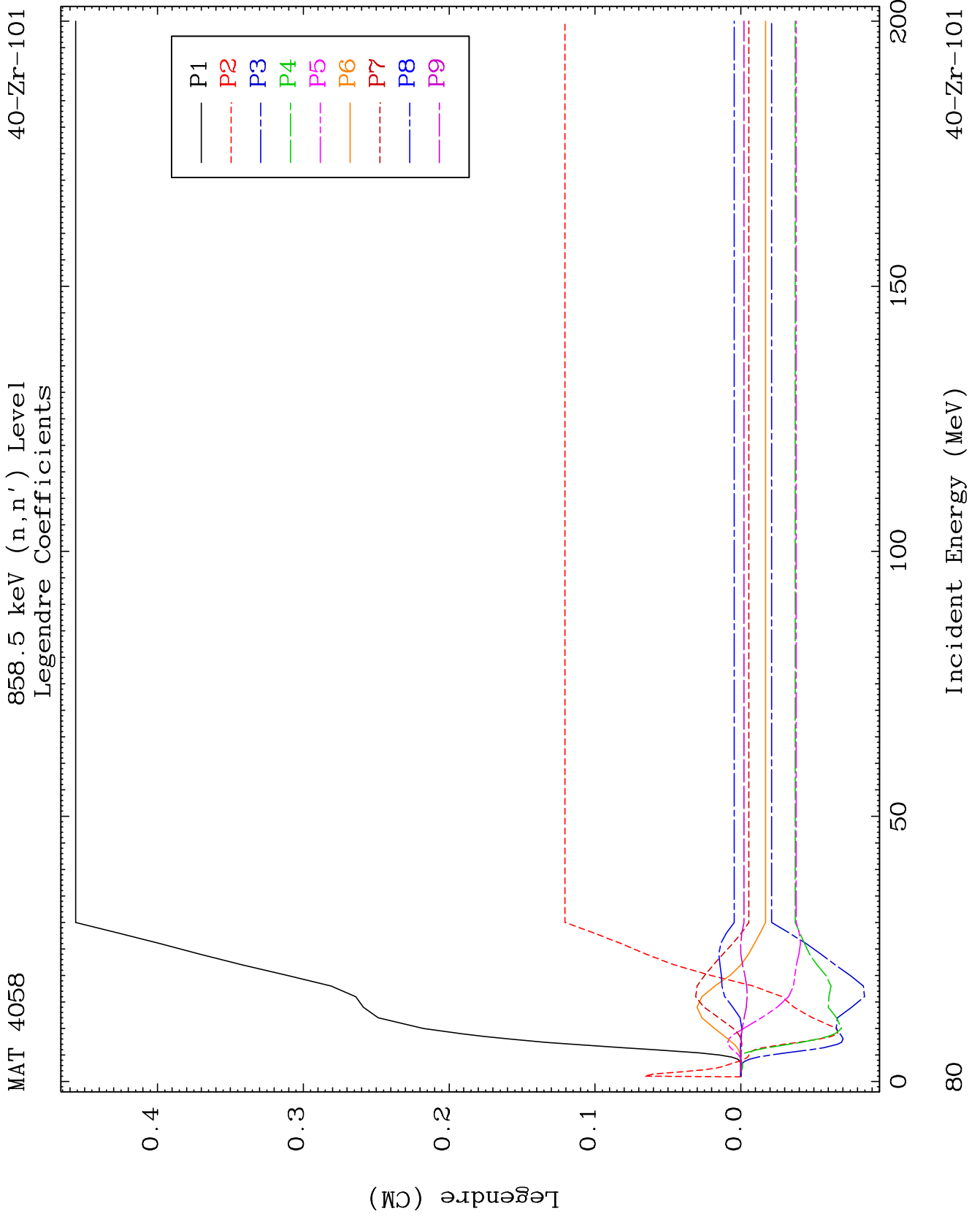


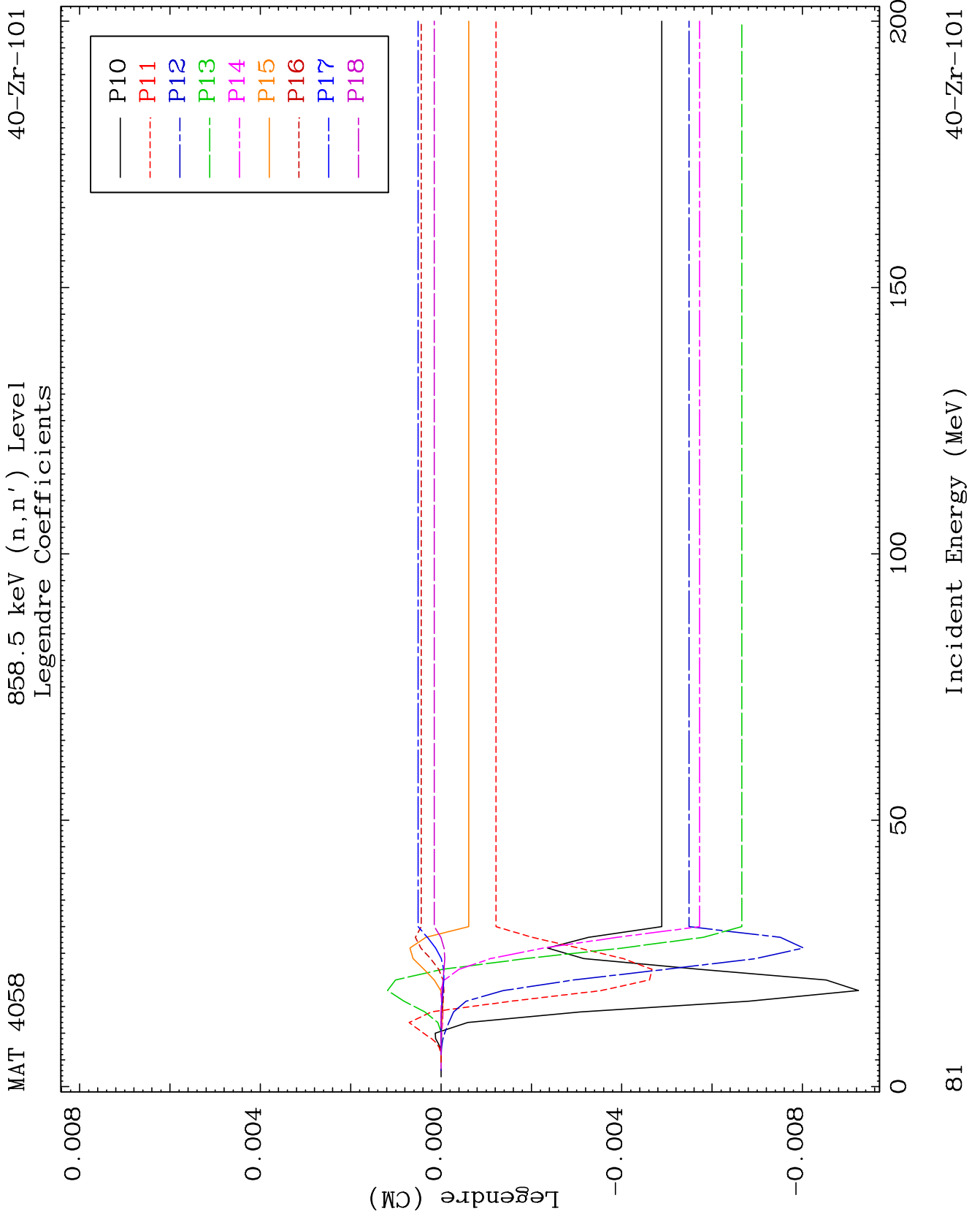


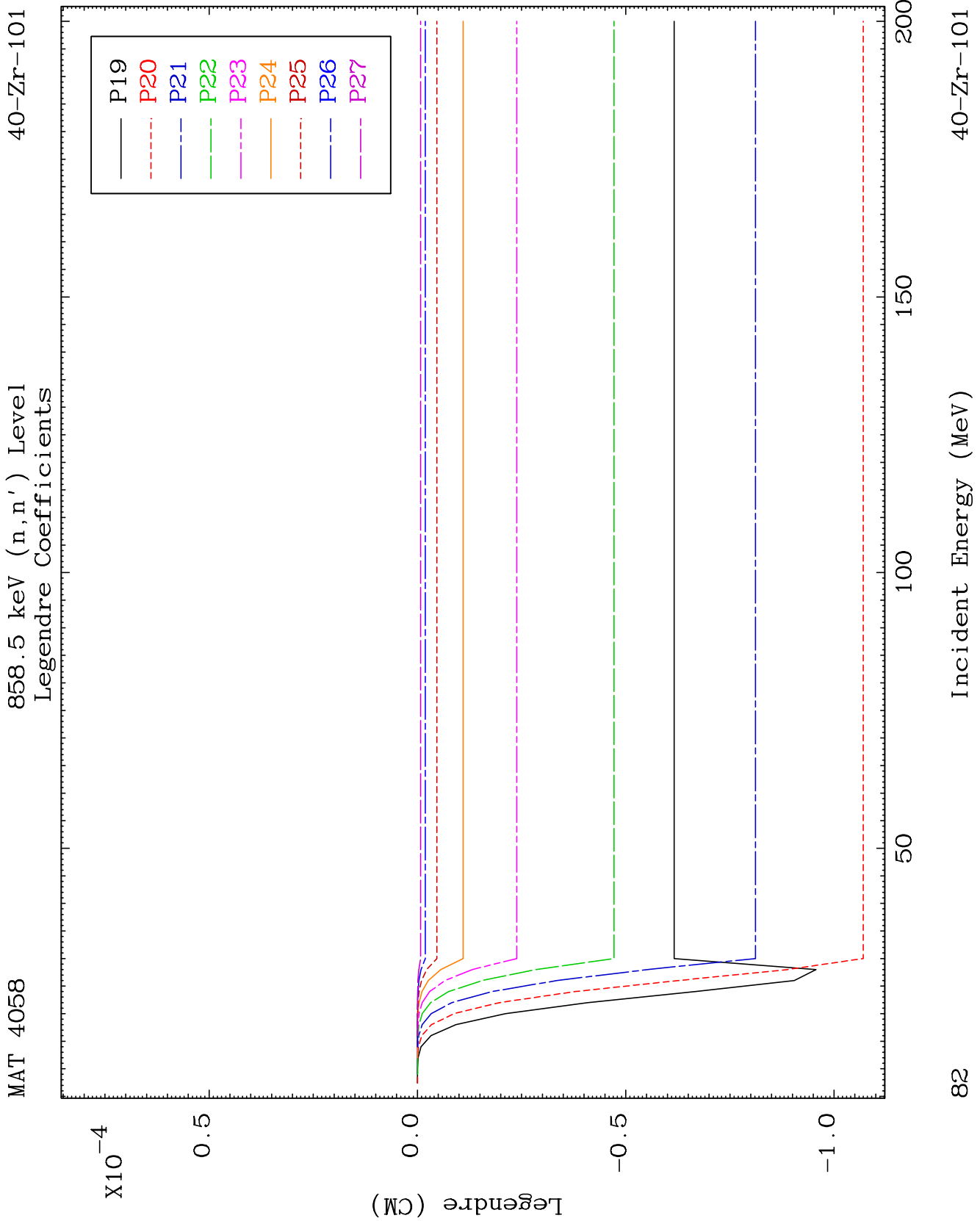


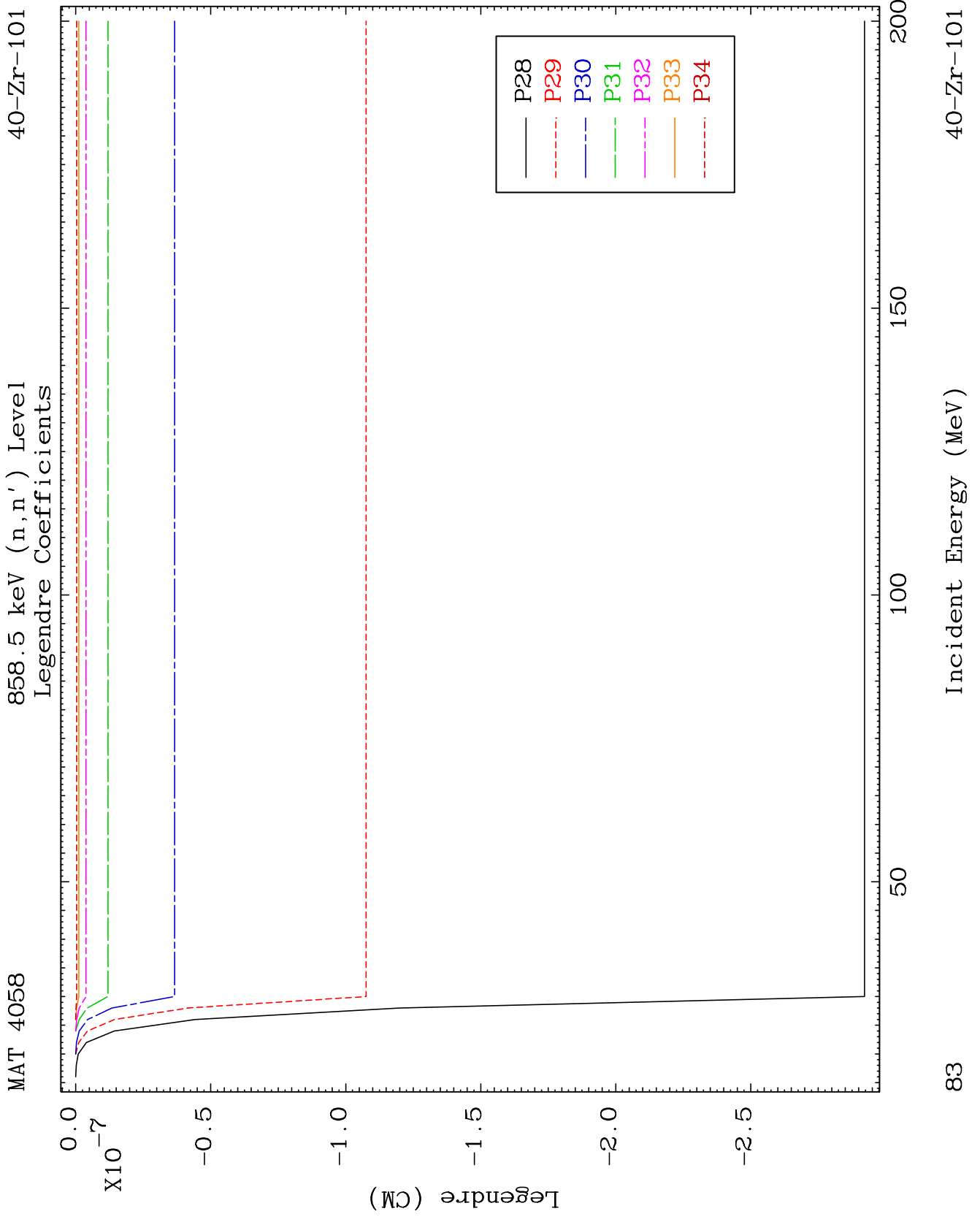








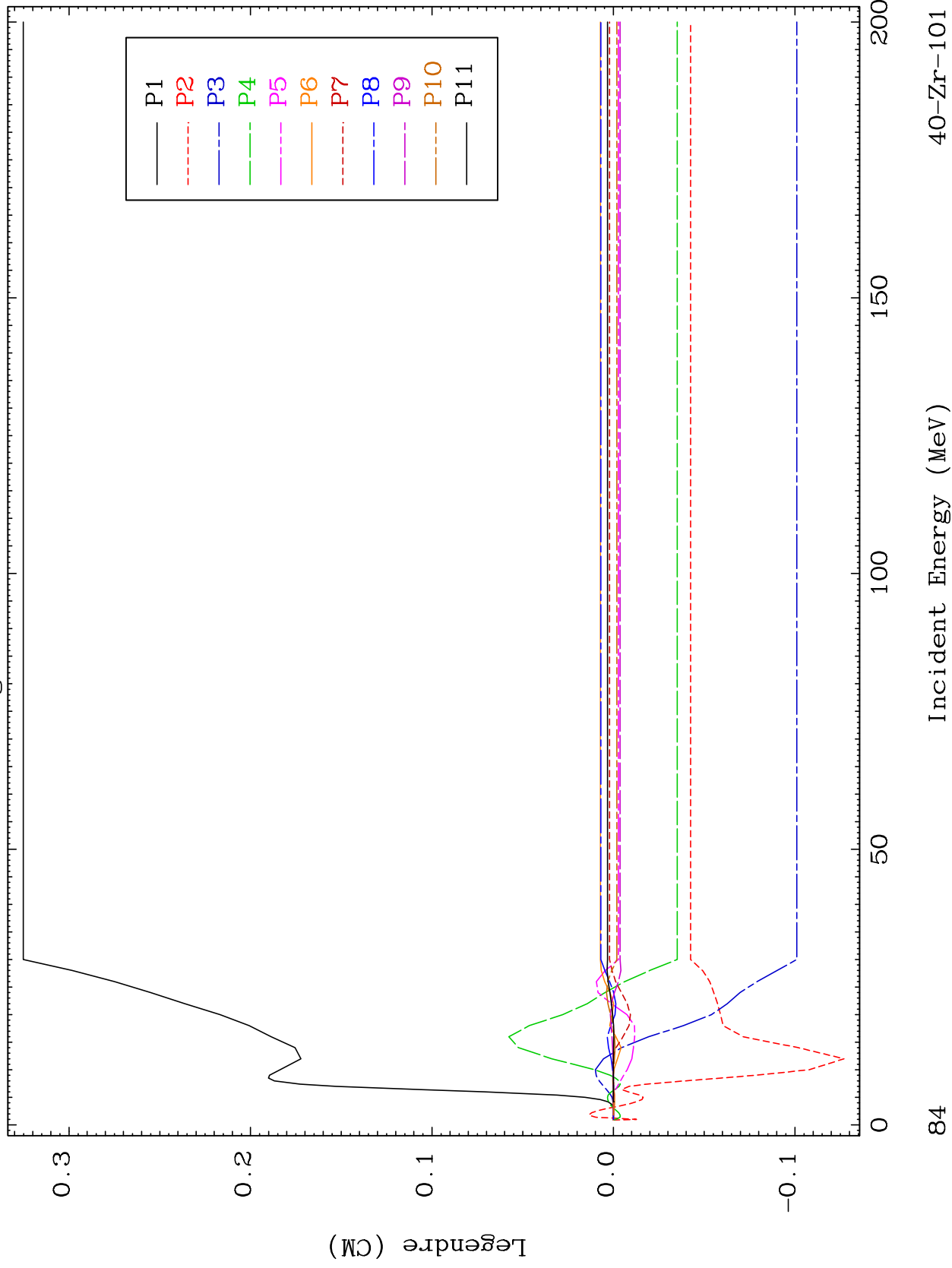




MAT 4058

869.7 keV (n,n') Level  
Legendre Coefficients

40-Zr-101



84

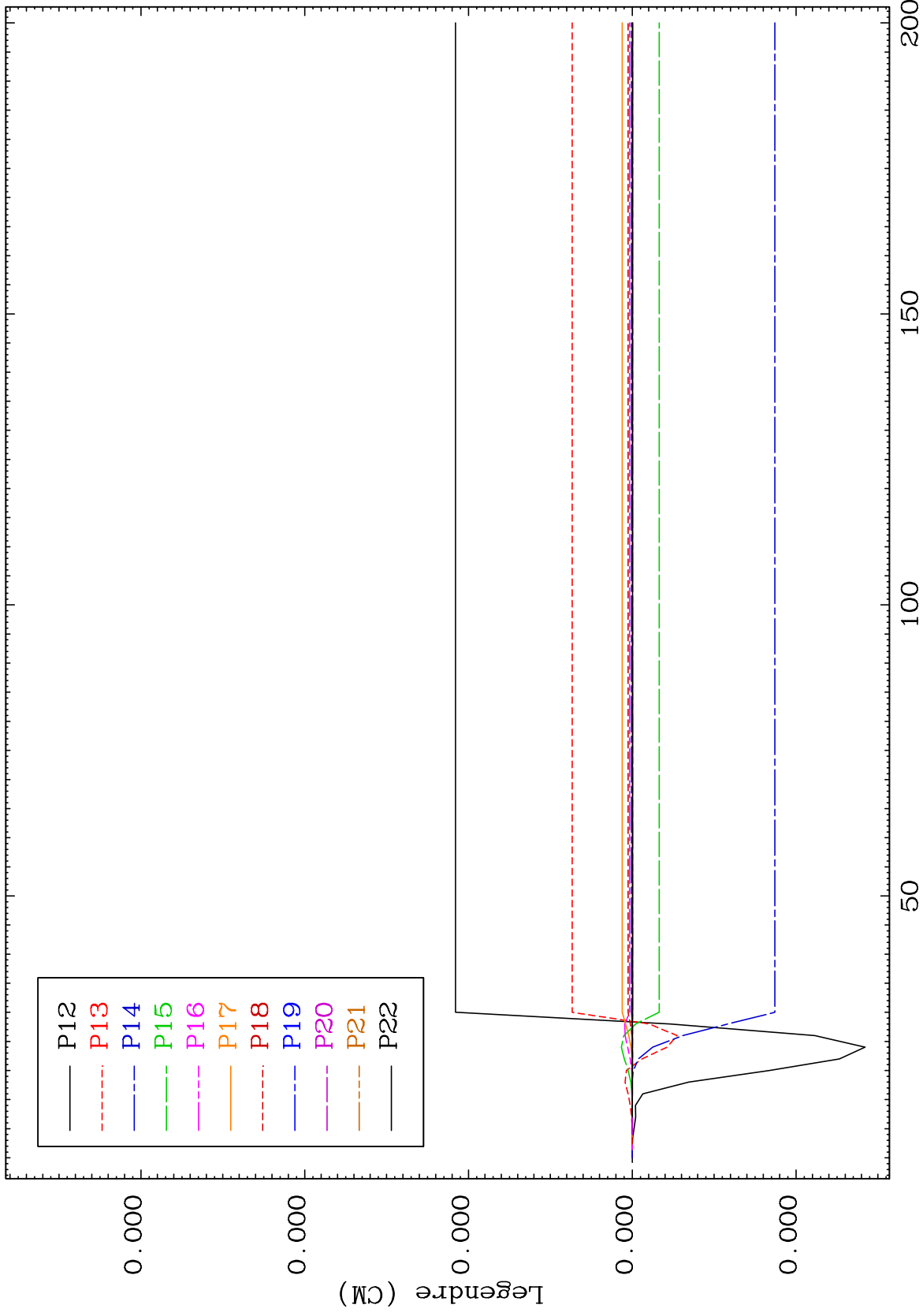
Incident Energy (MeV)

40-Zr-101

MAT 4058

869.7 keV (n,n') Level  
Legendre Coefficients

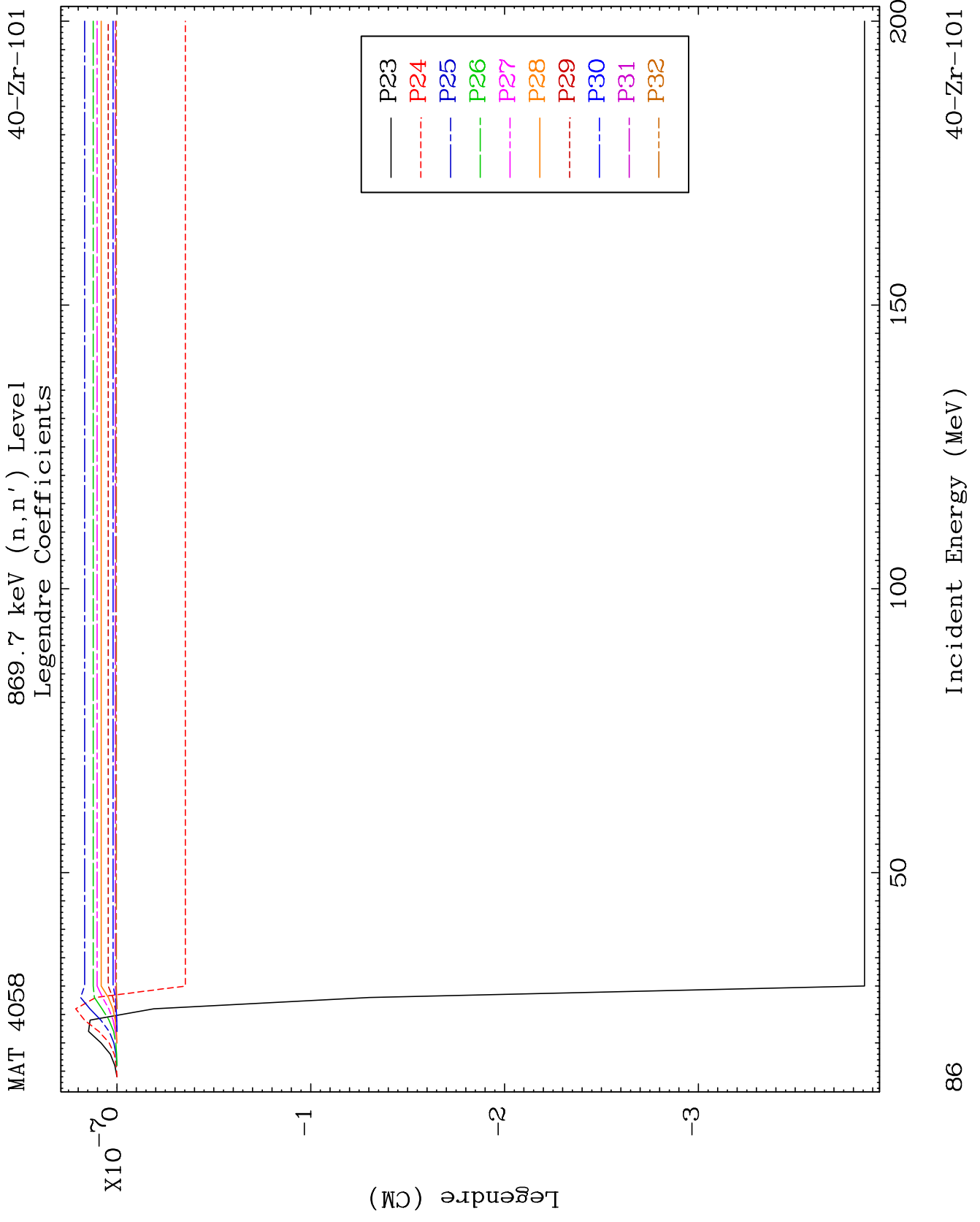
40-Zr-101

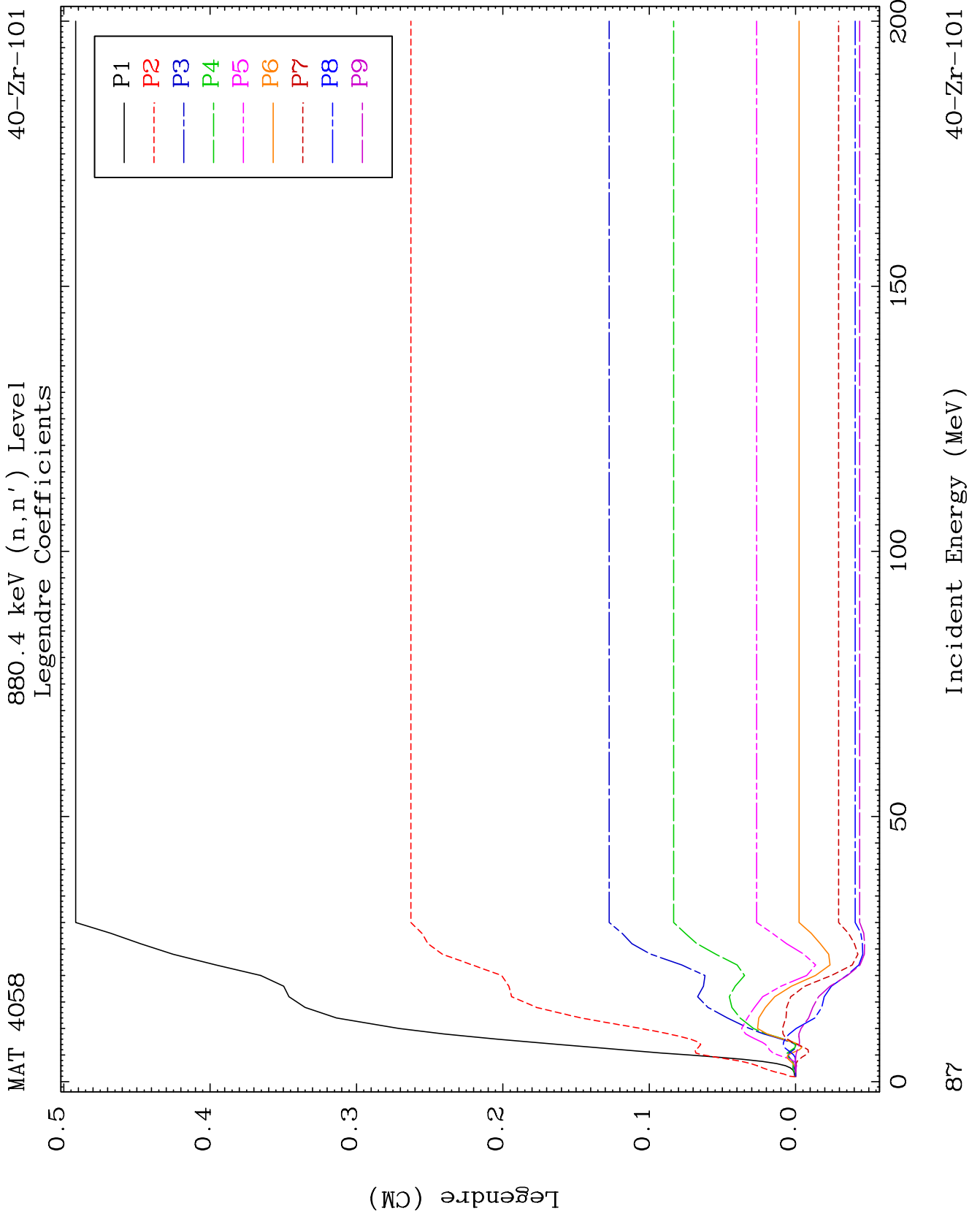


85

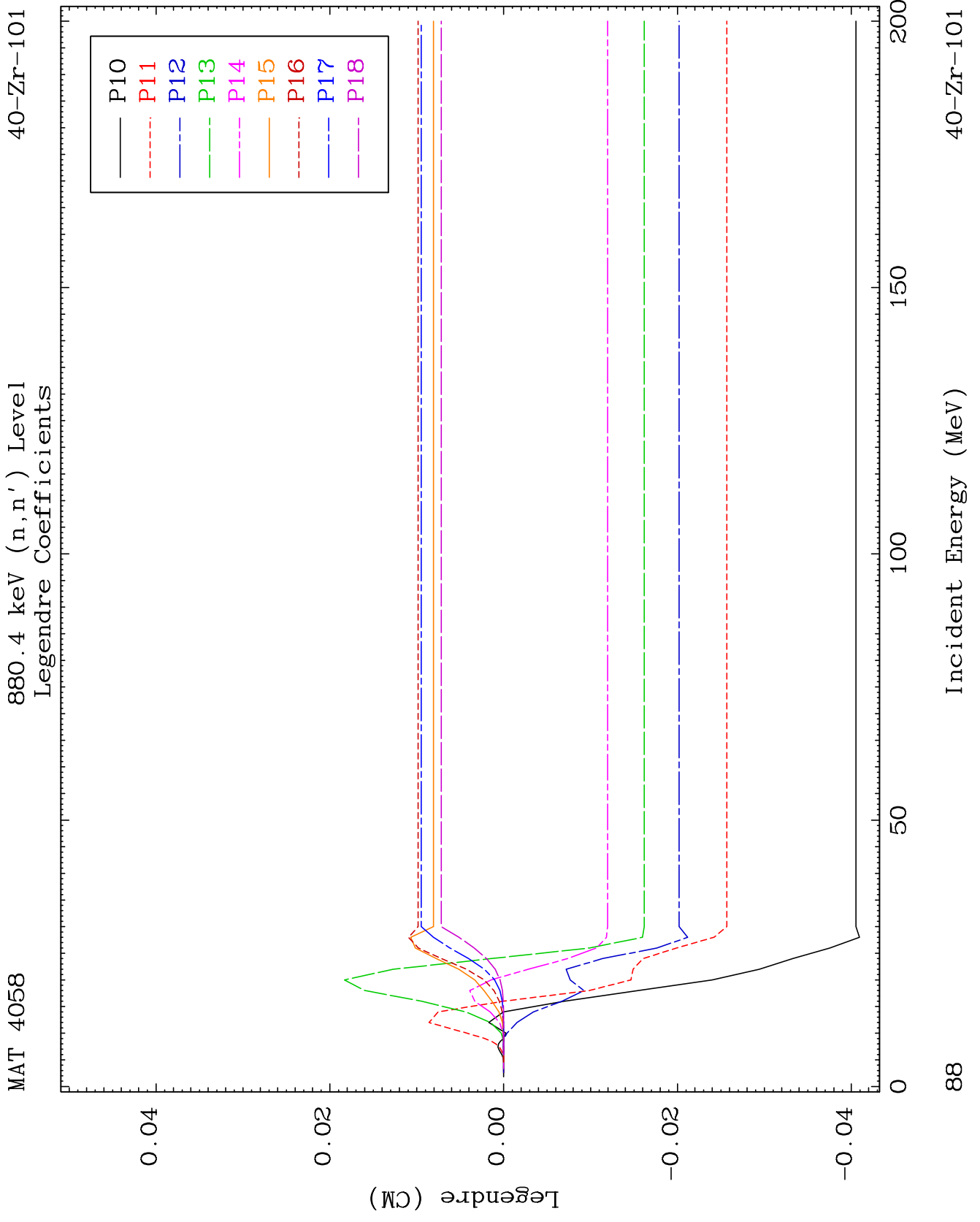
Incident Energy (MeV)

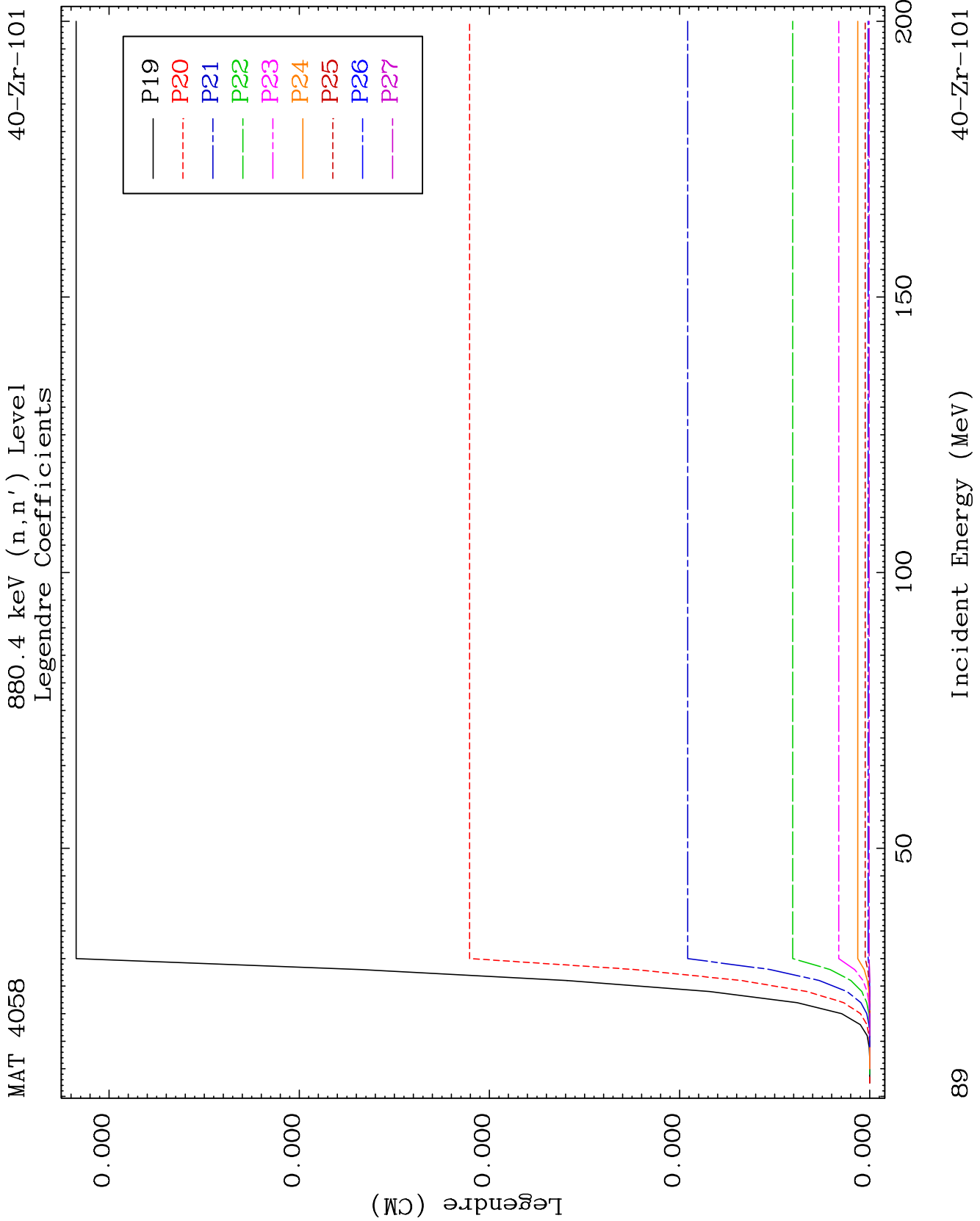
40-Zr-101

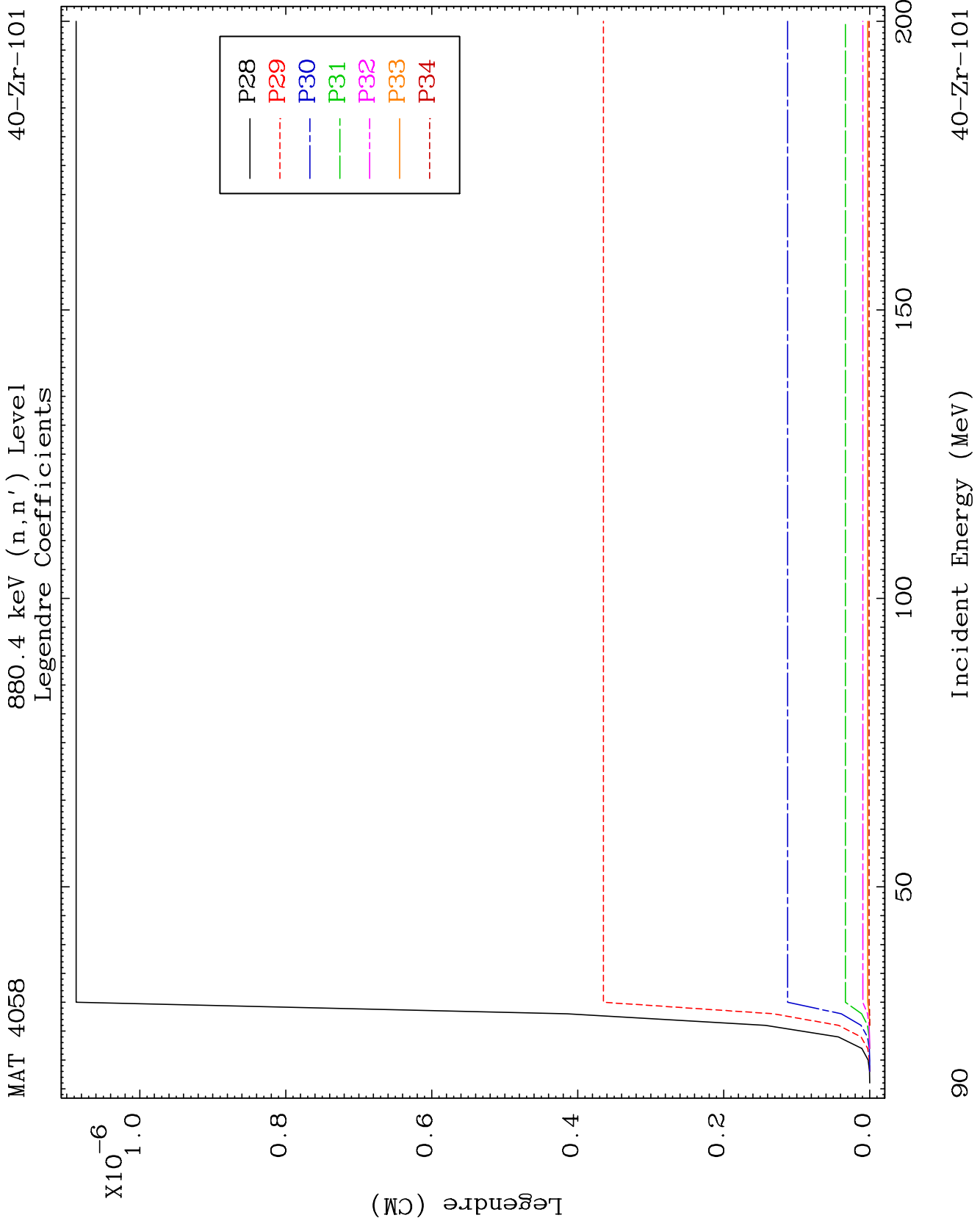


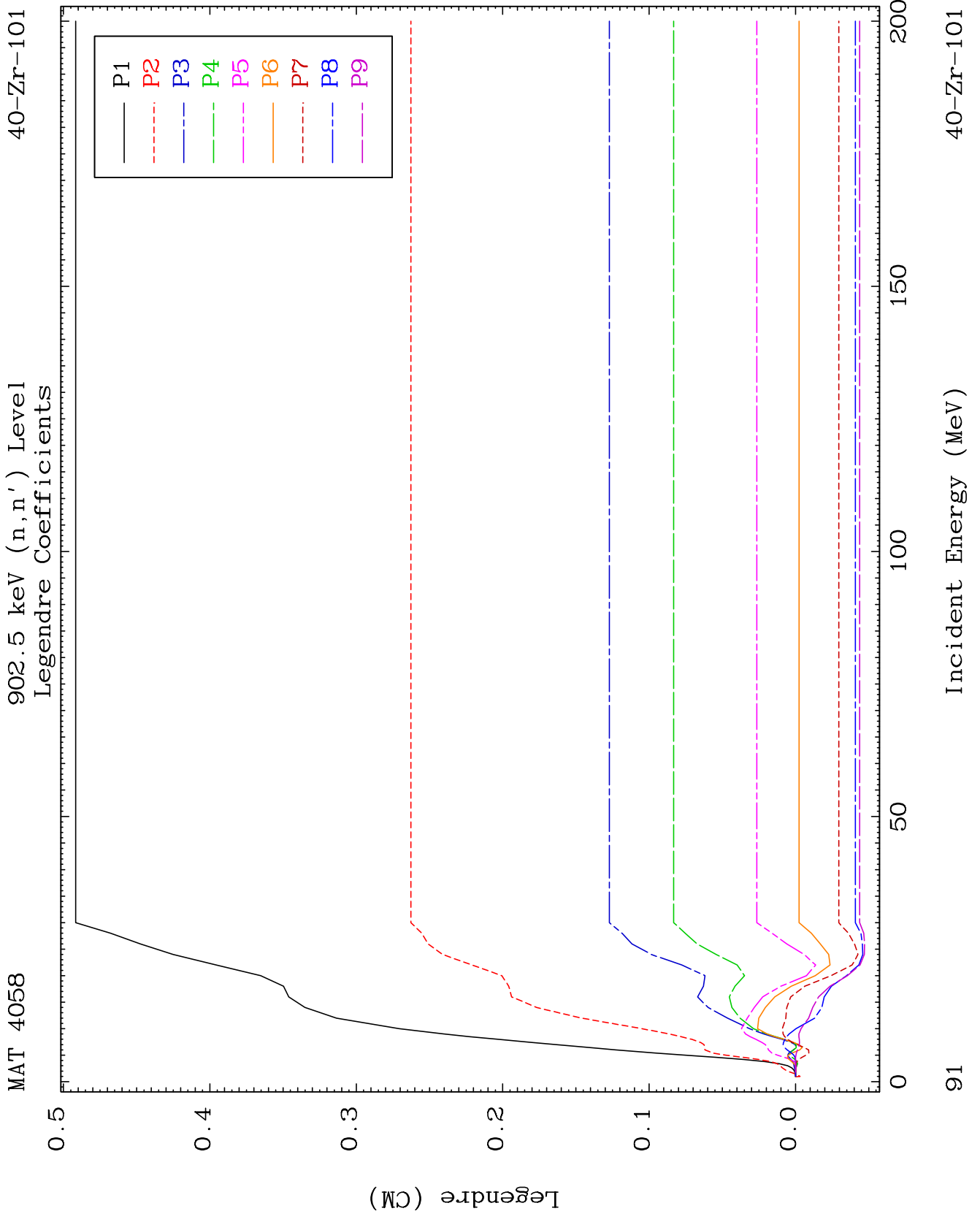


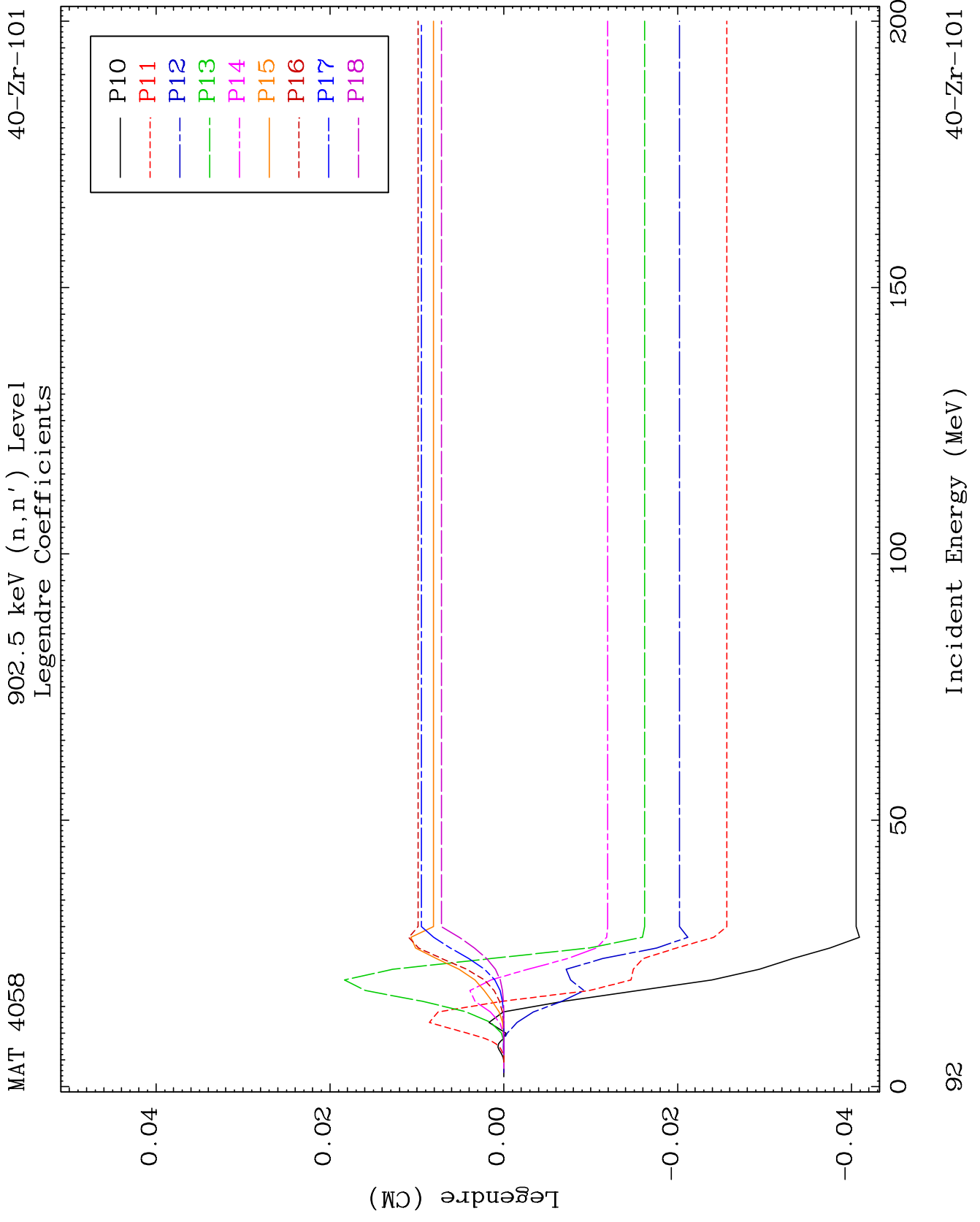


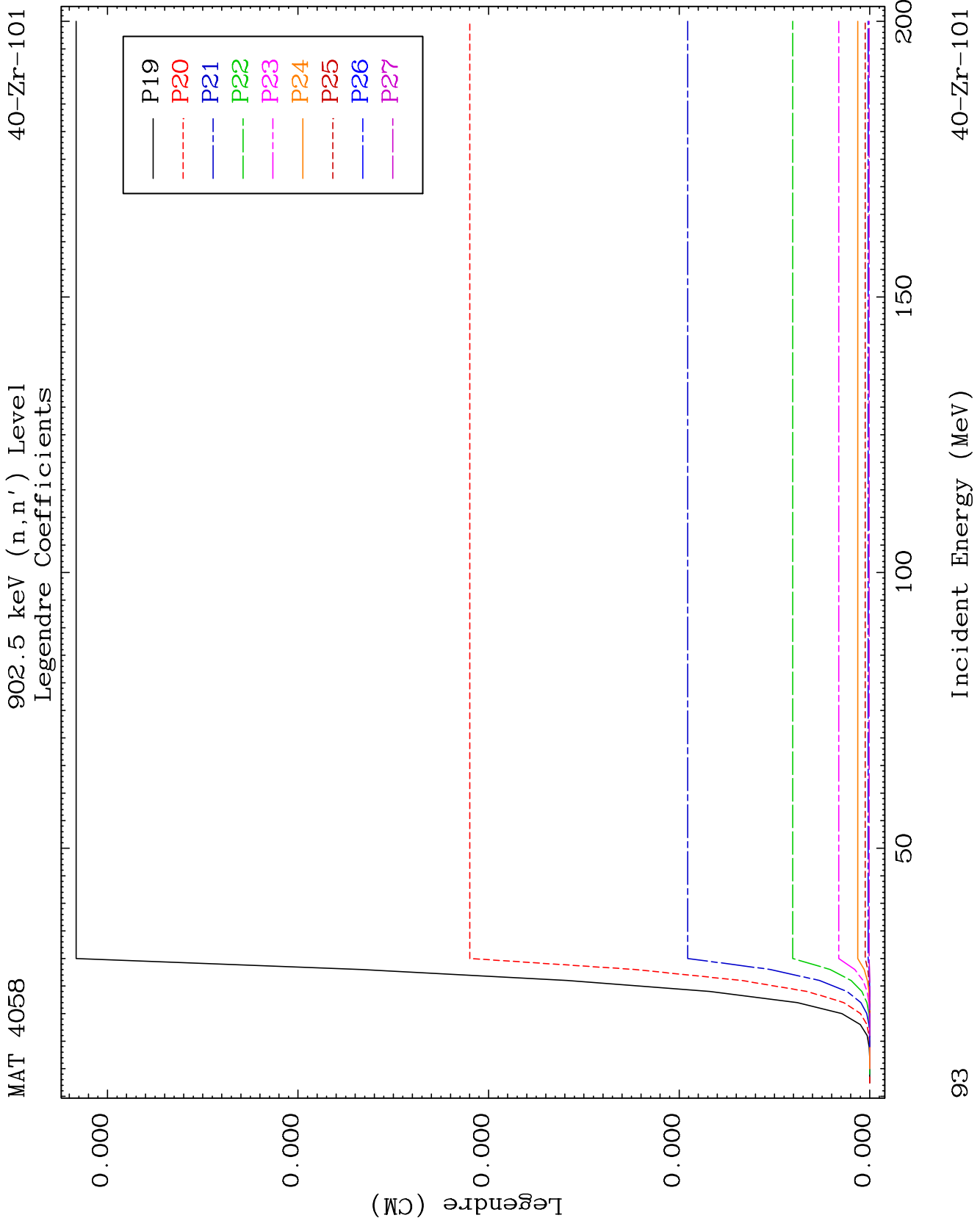


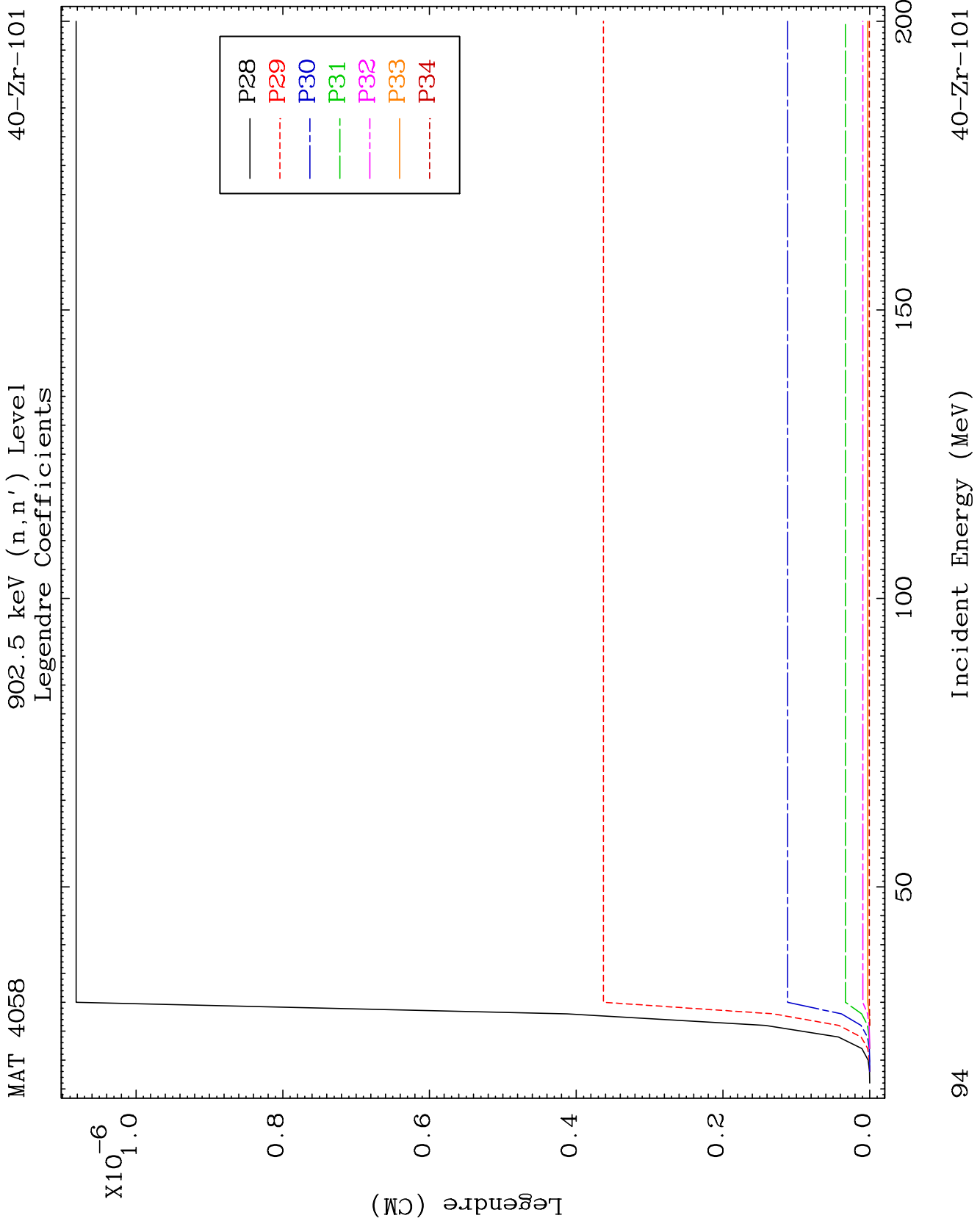












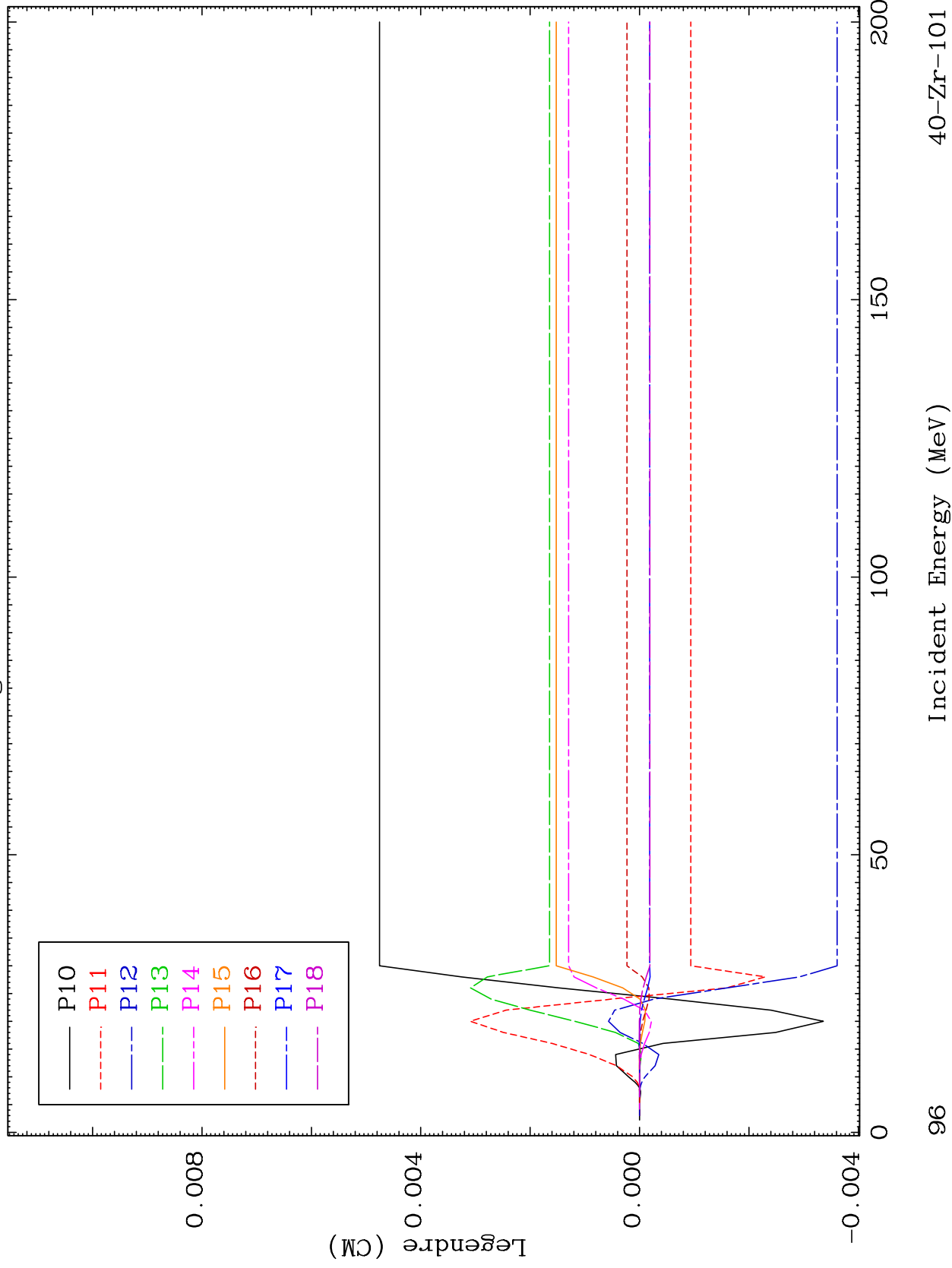




MAT 4058

941.8 keV (n,n') Level  
Legendre Coefficients

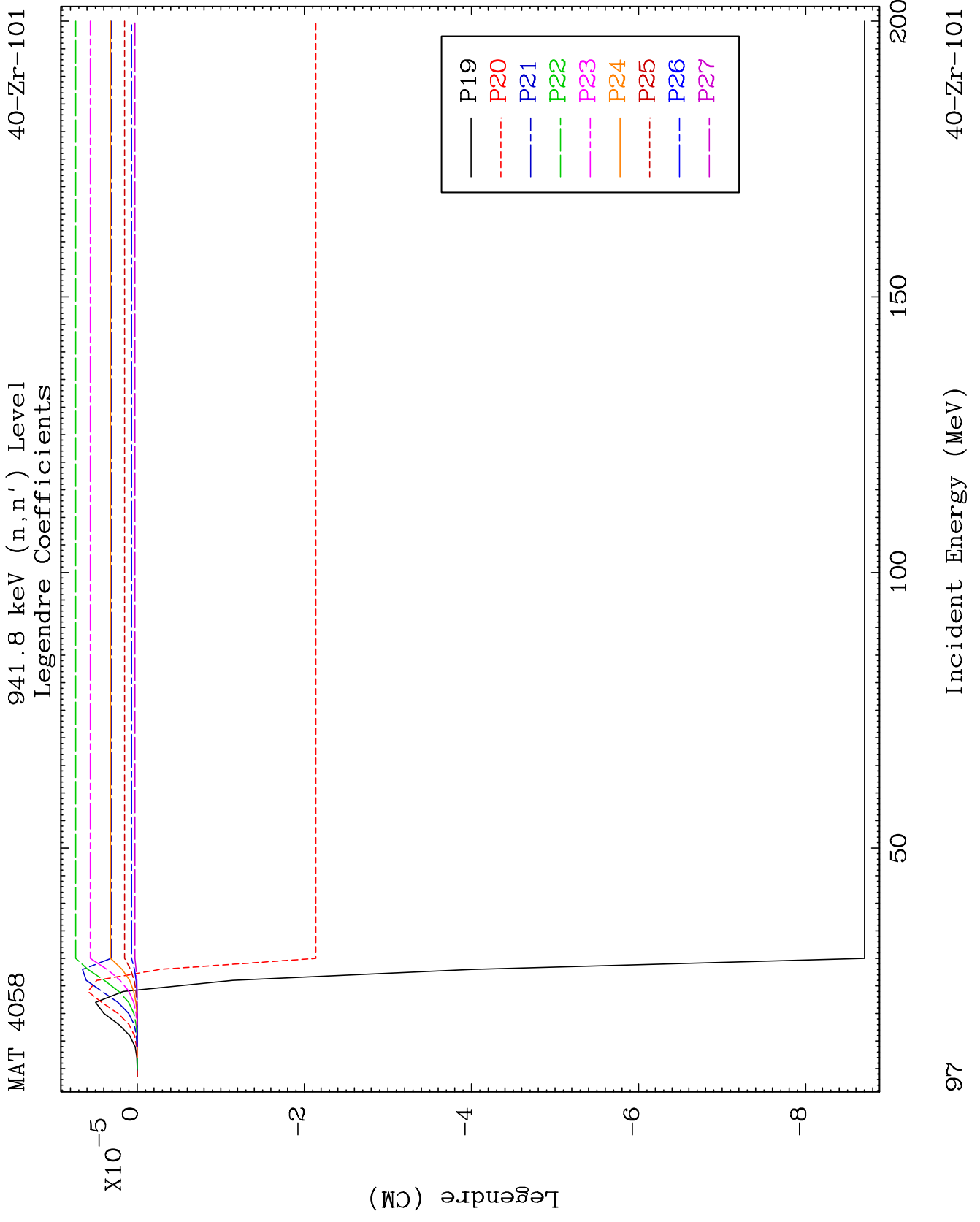
40-Zr-101



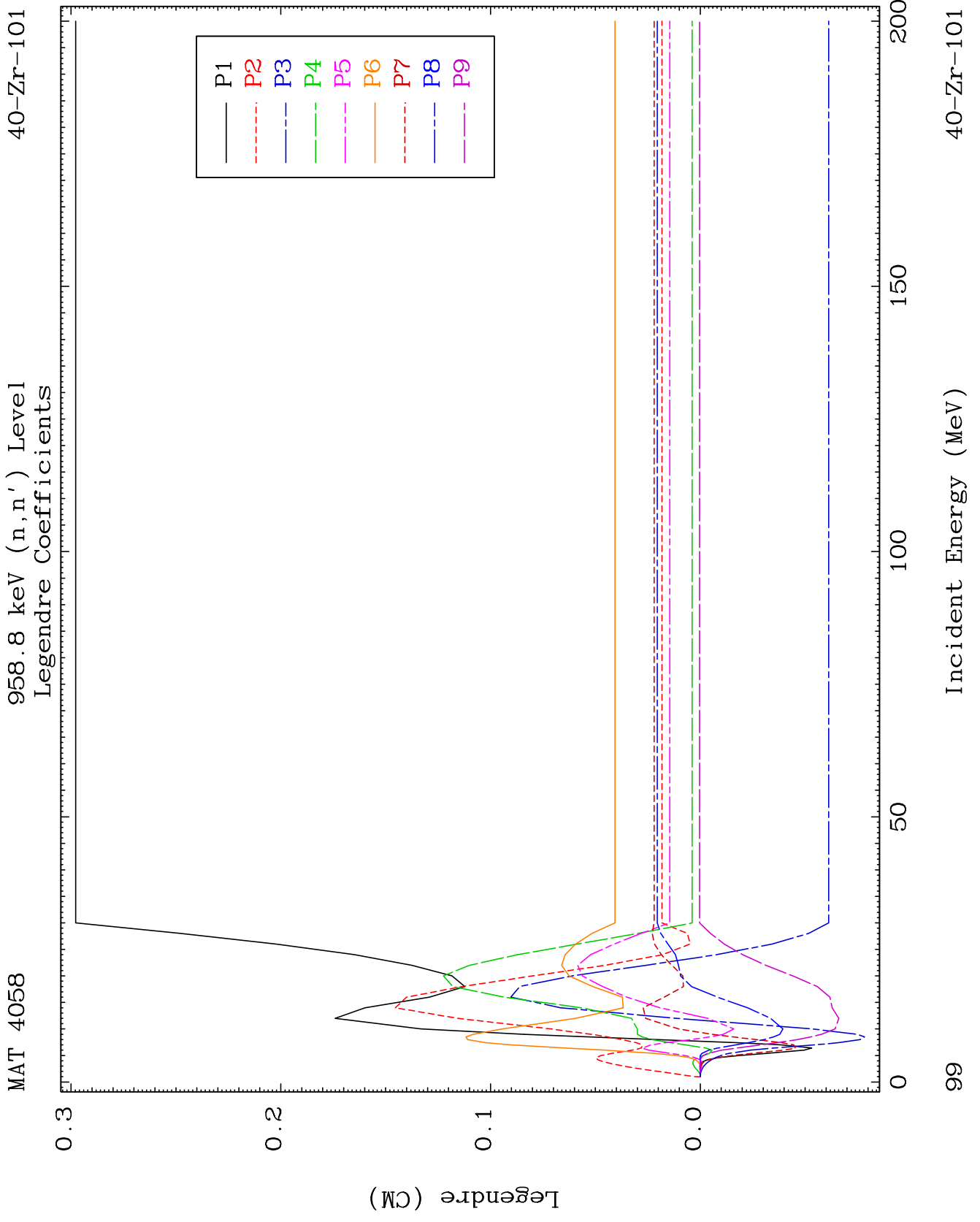
96

Incident Energy (MeV)

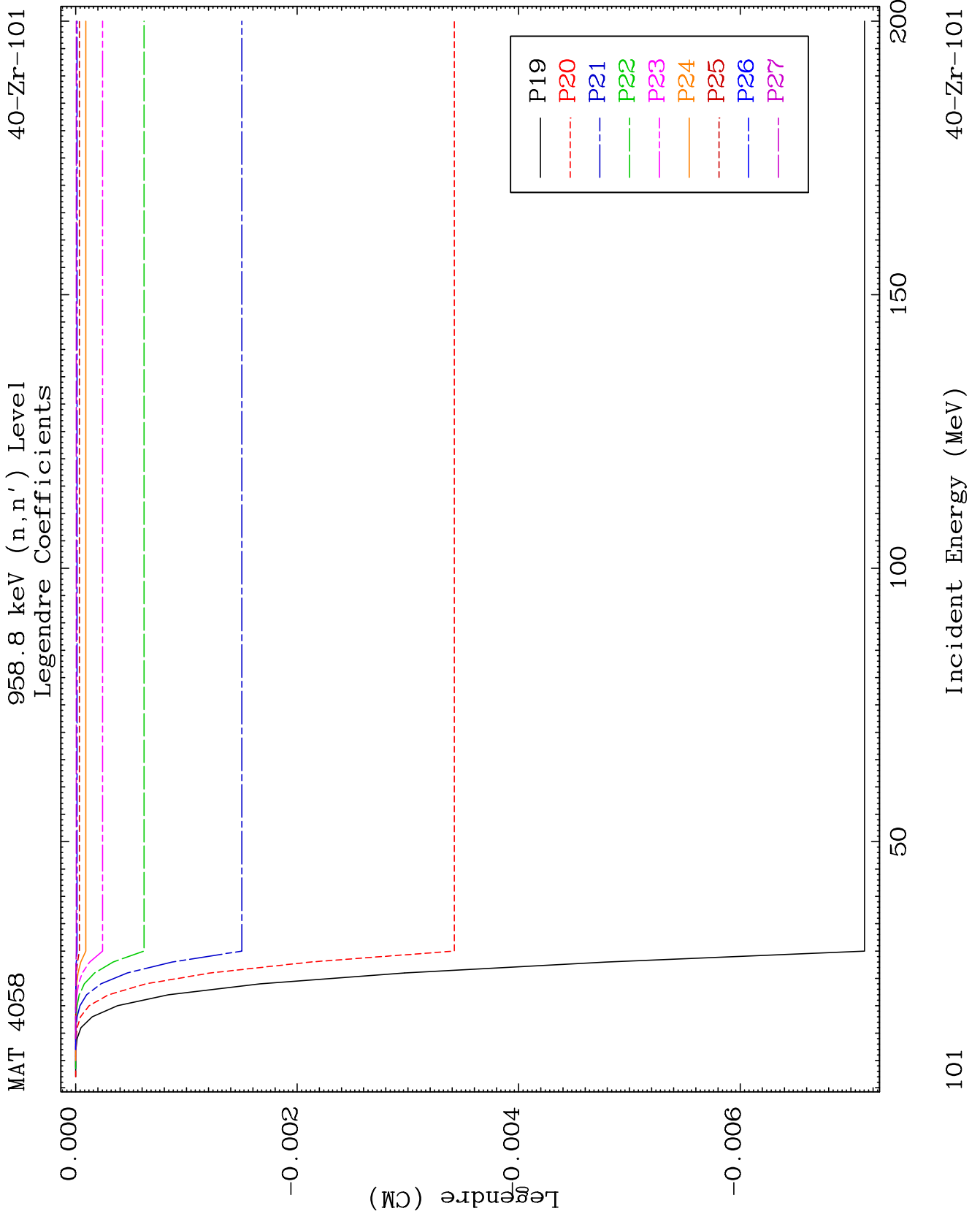
40-Zr-101

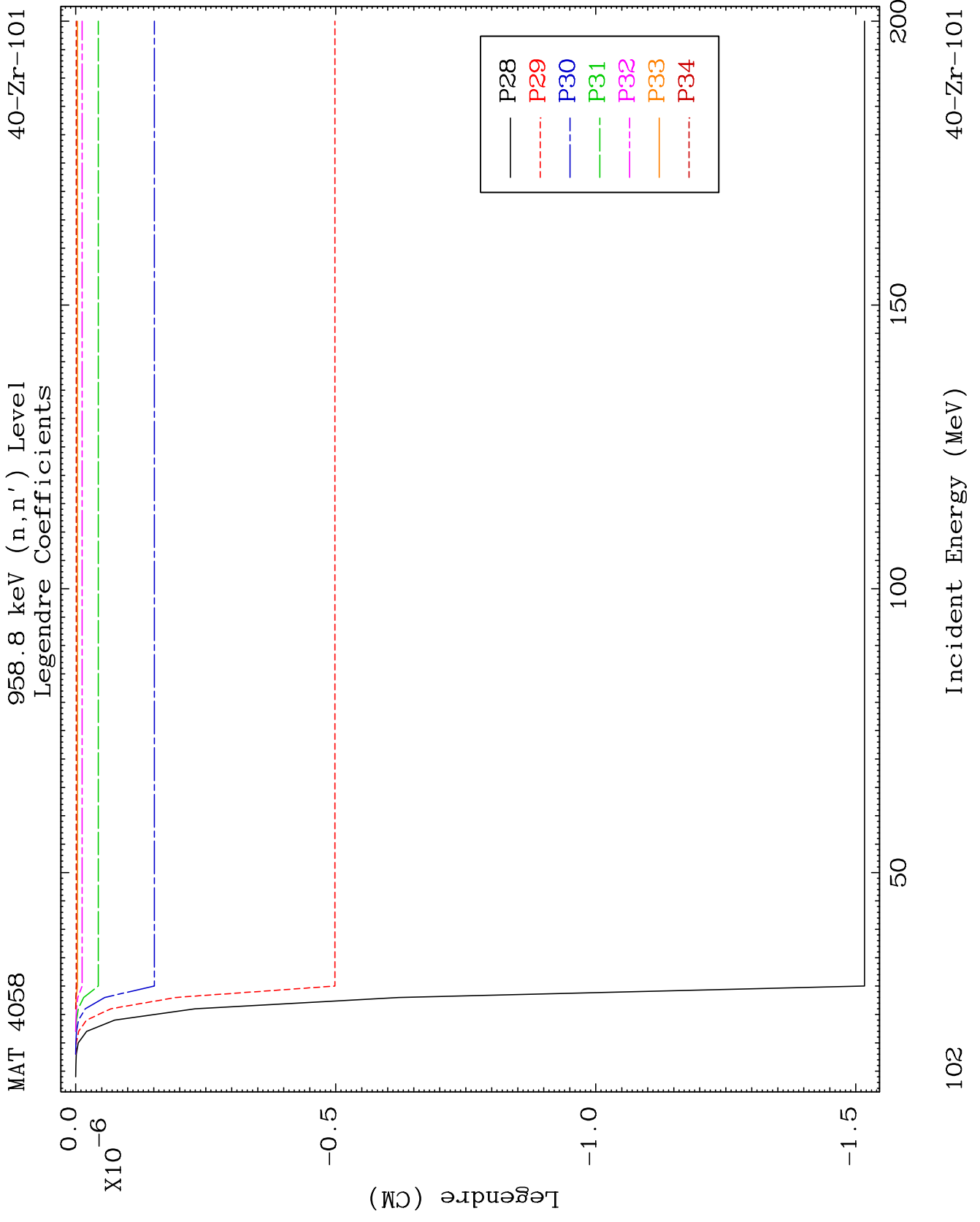


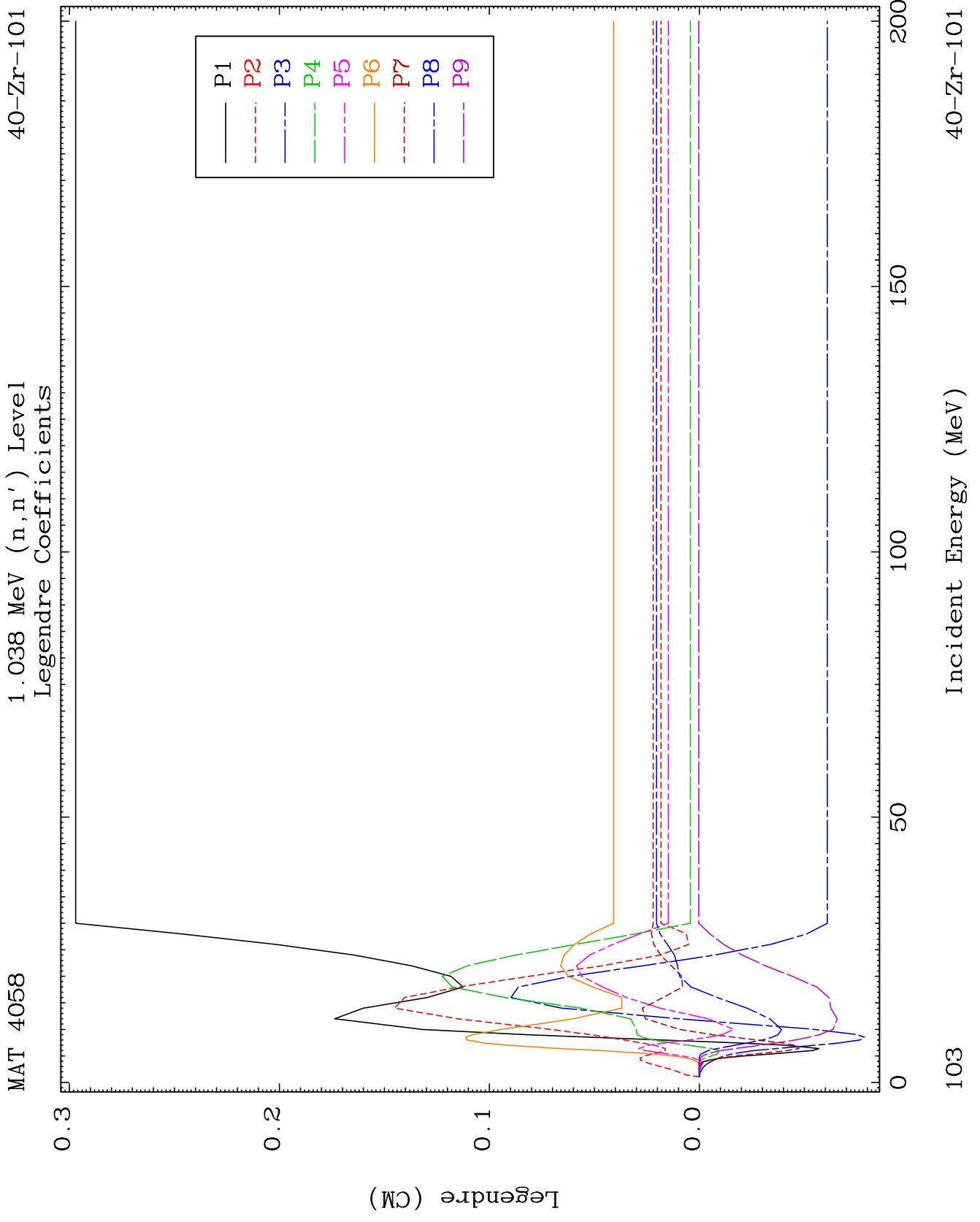










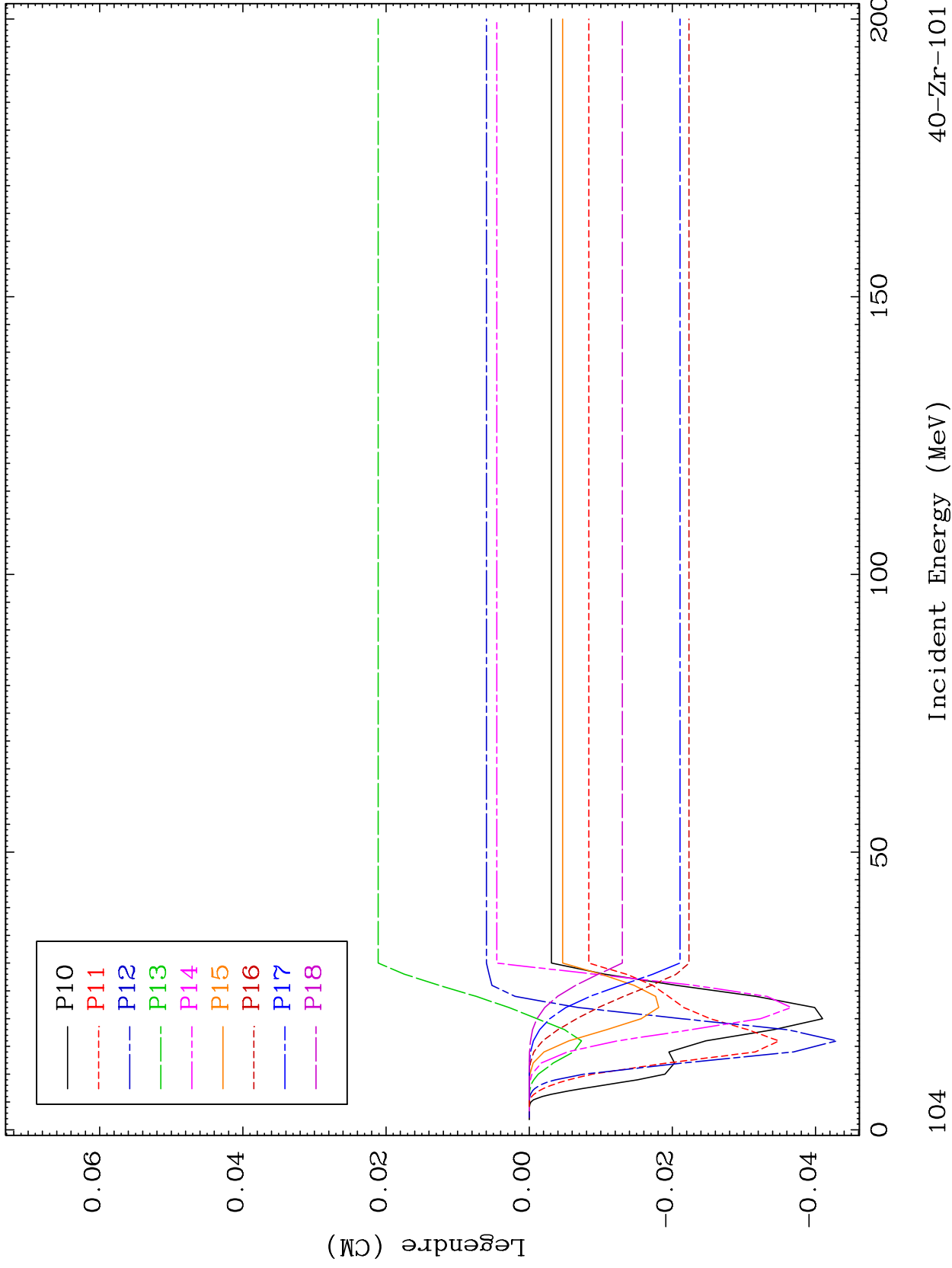




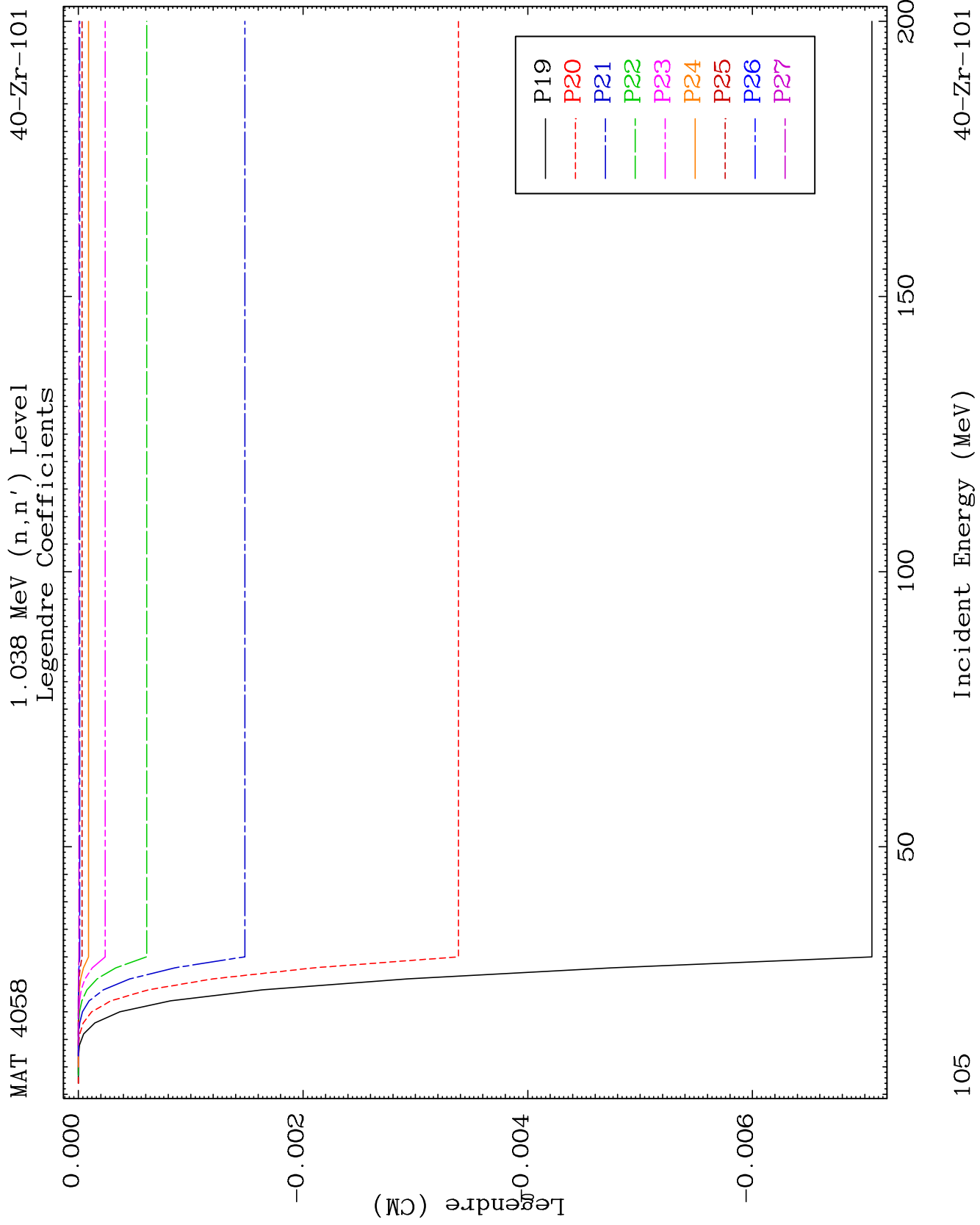
MAT 4058

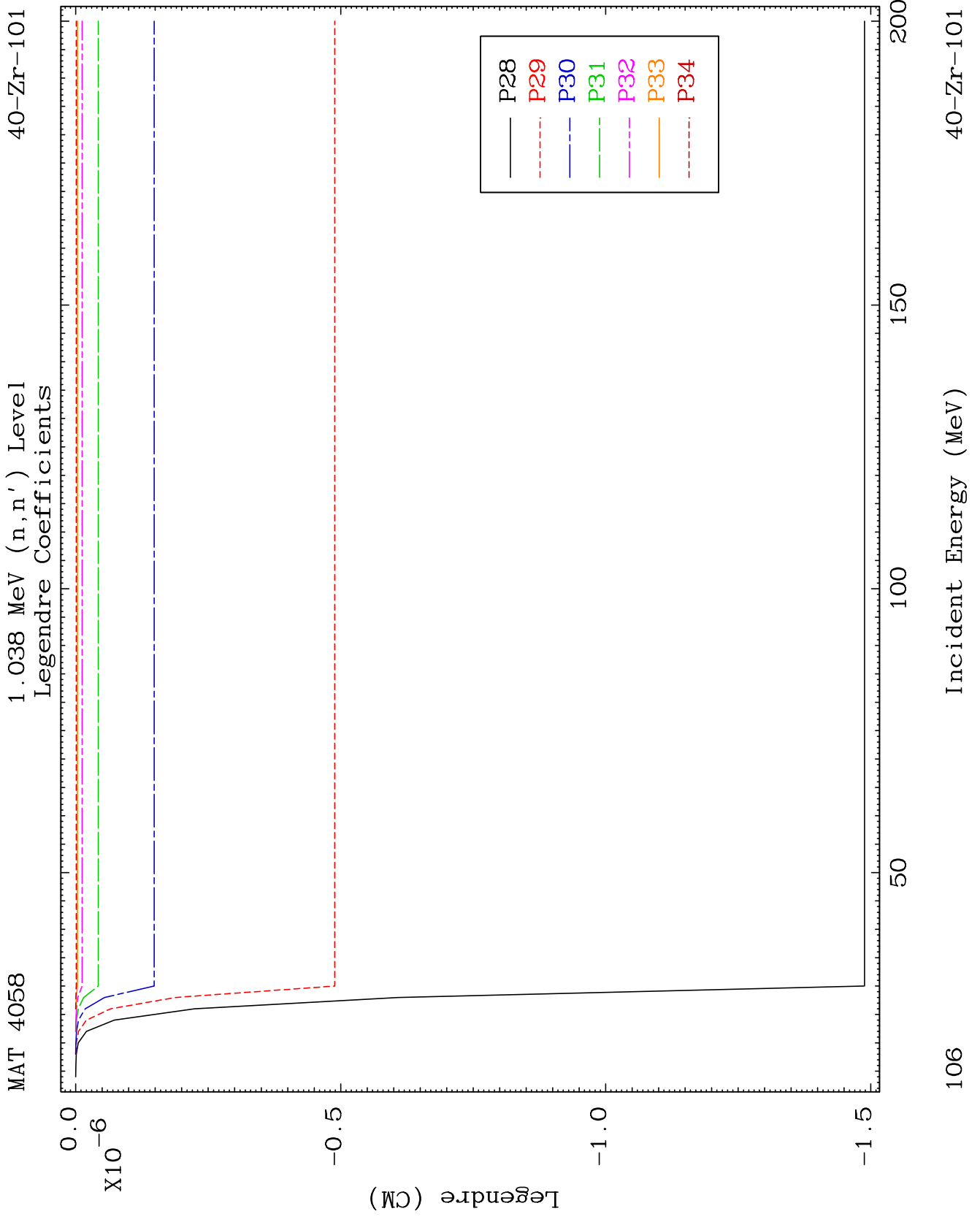
1.038 MeV (n,n') Level  
Legendre Coefficients

40-Zr-101



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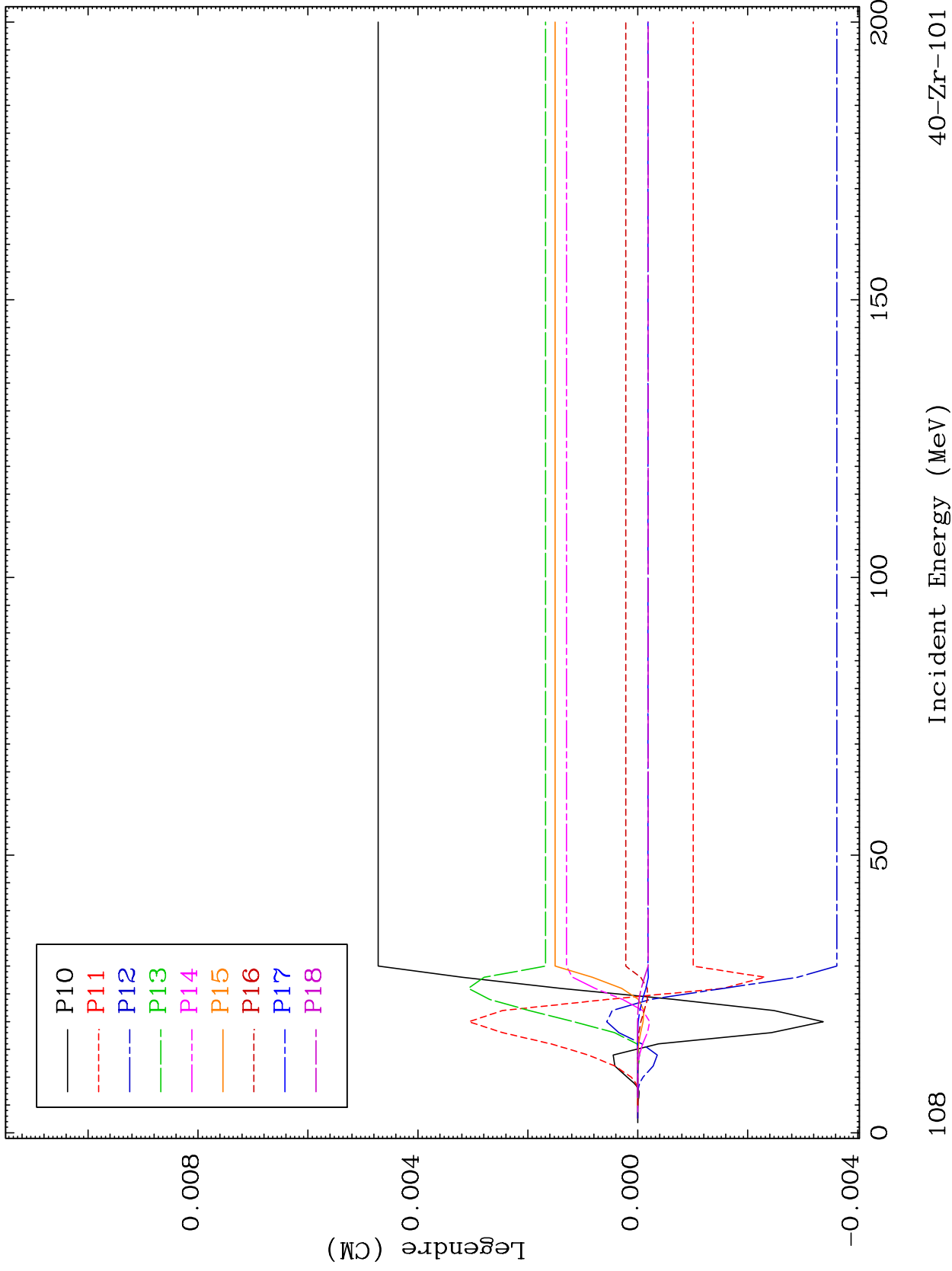




MAT 4058

1.048 MeV (n,n') Level  
Legendre Coefficients

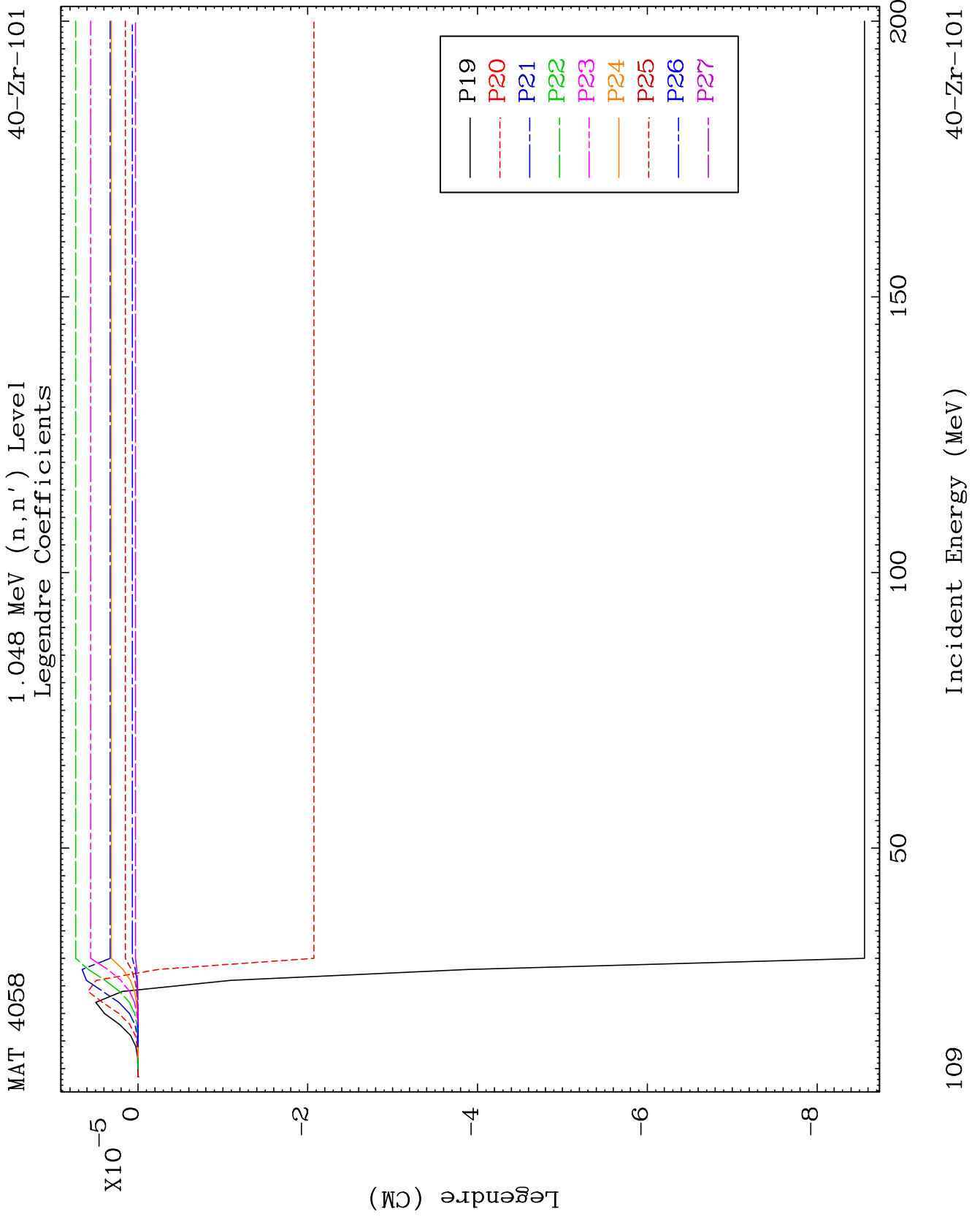
40-Zr-101

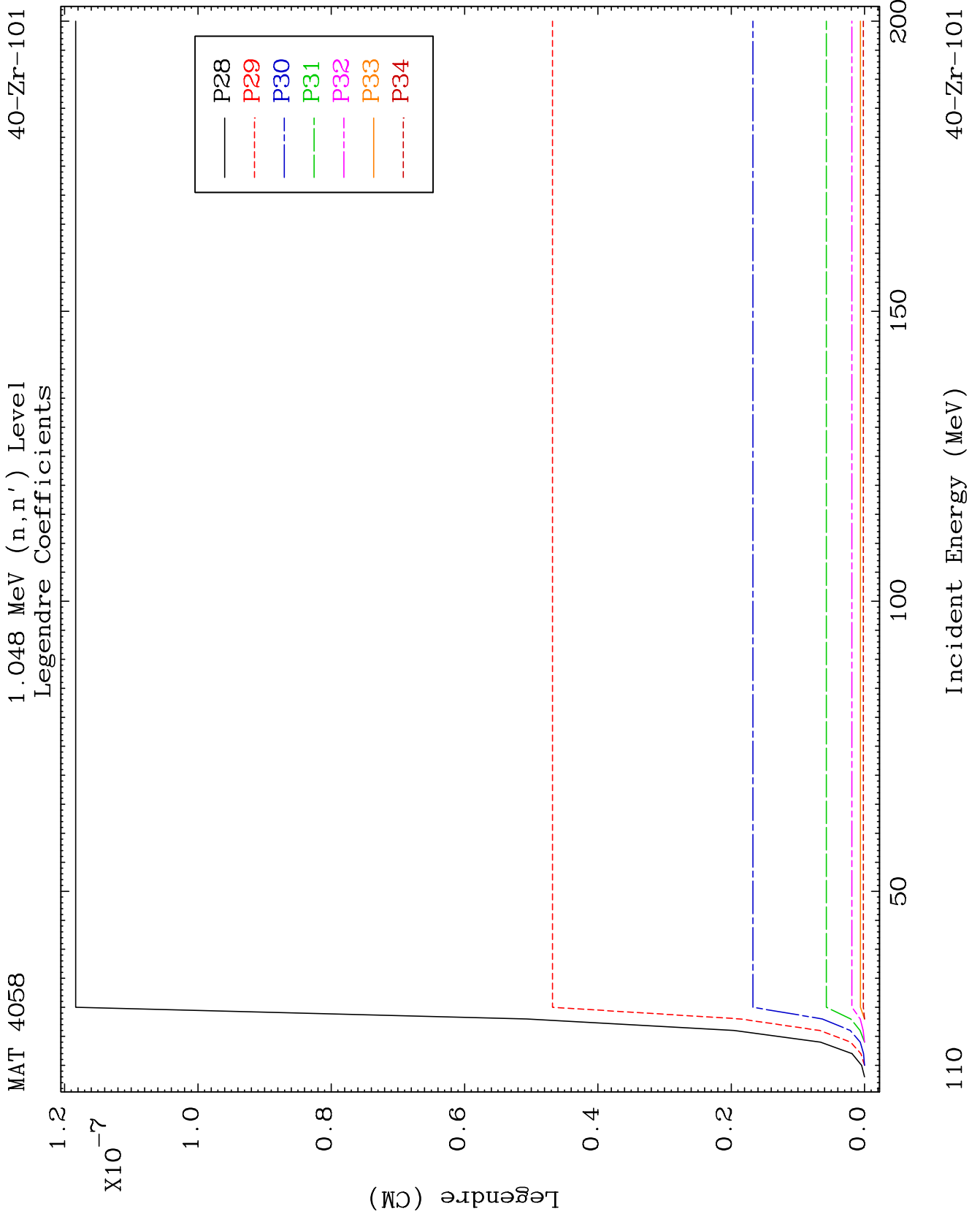


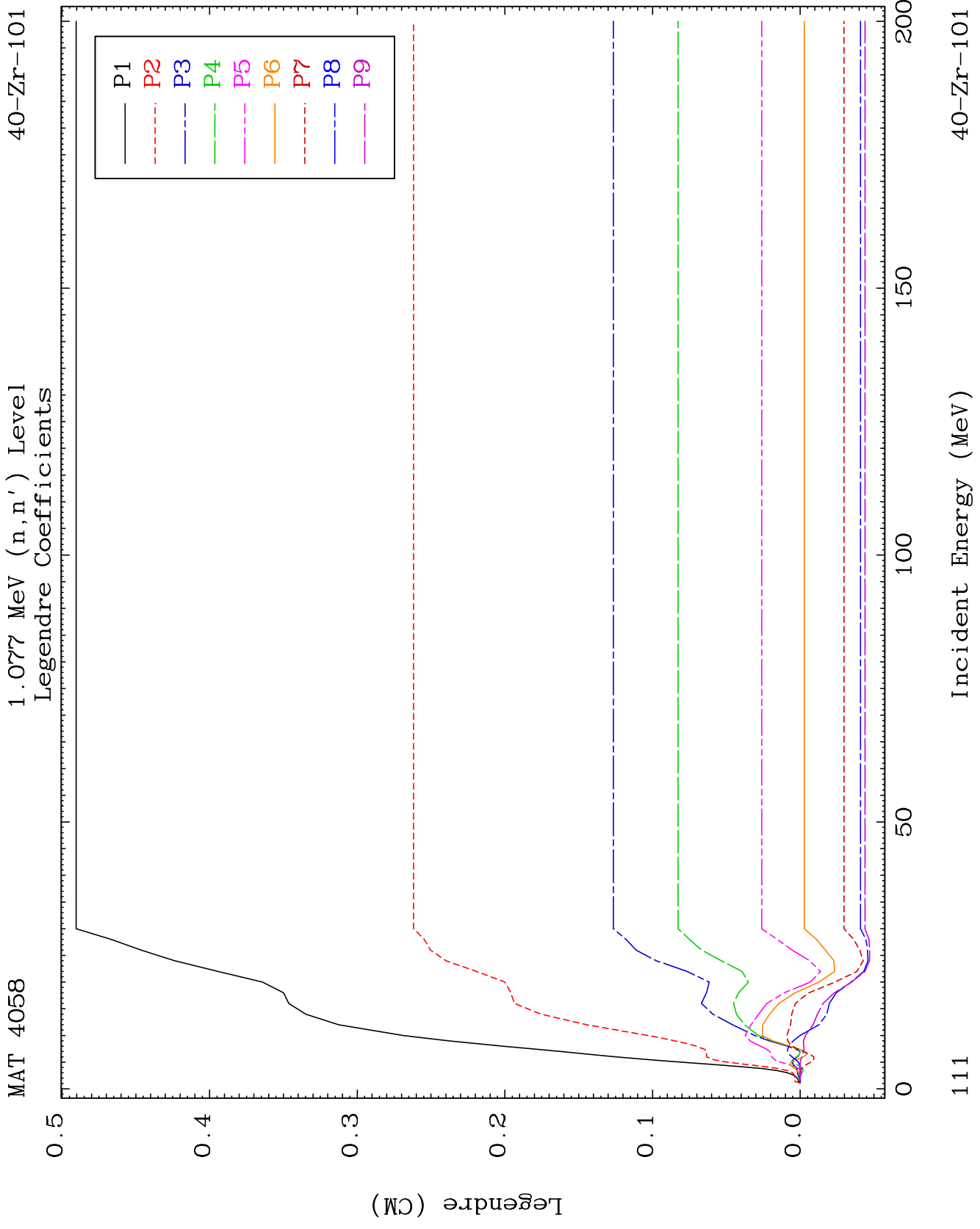
108

Incident Energy (MeV)

40-Zr-101

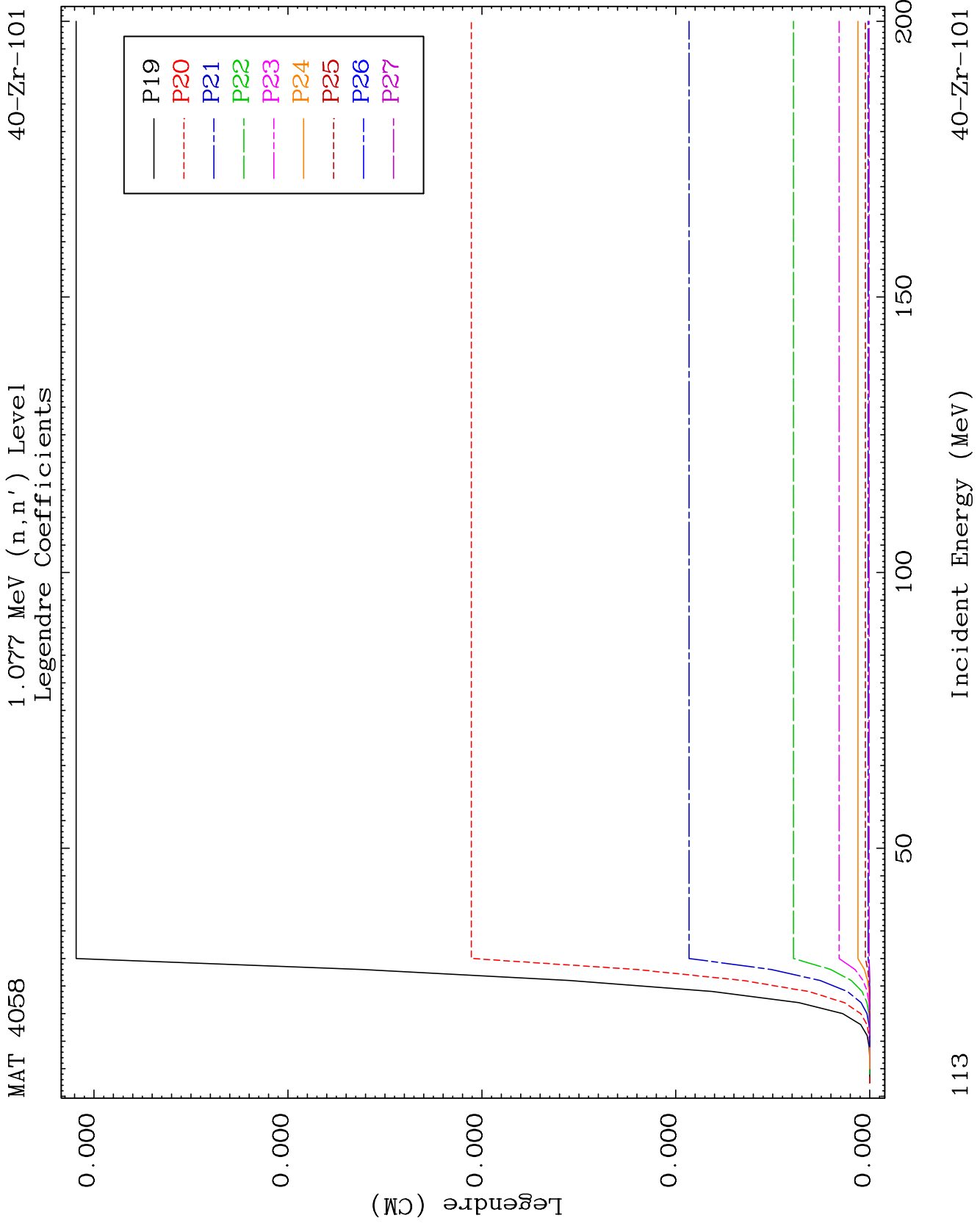


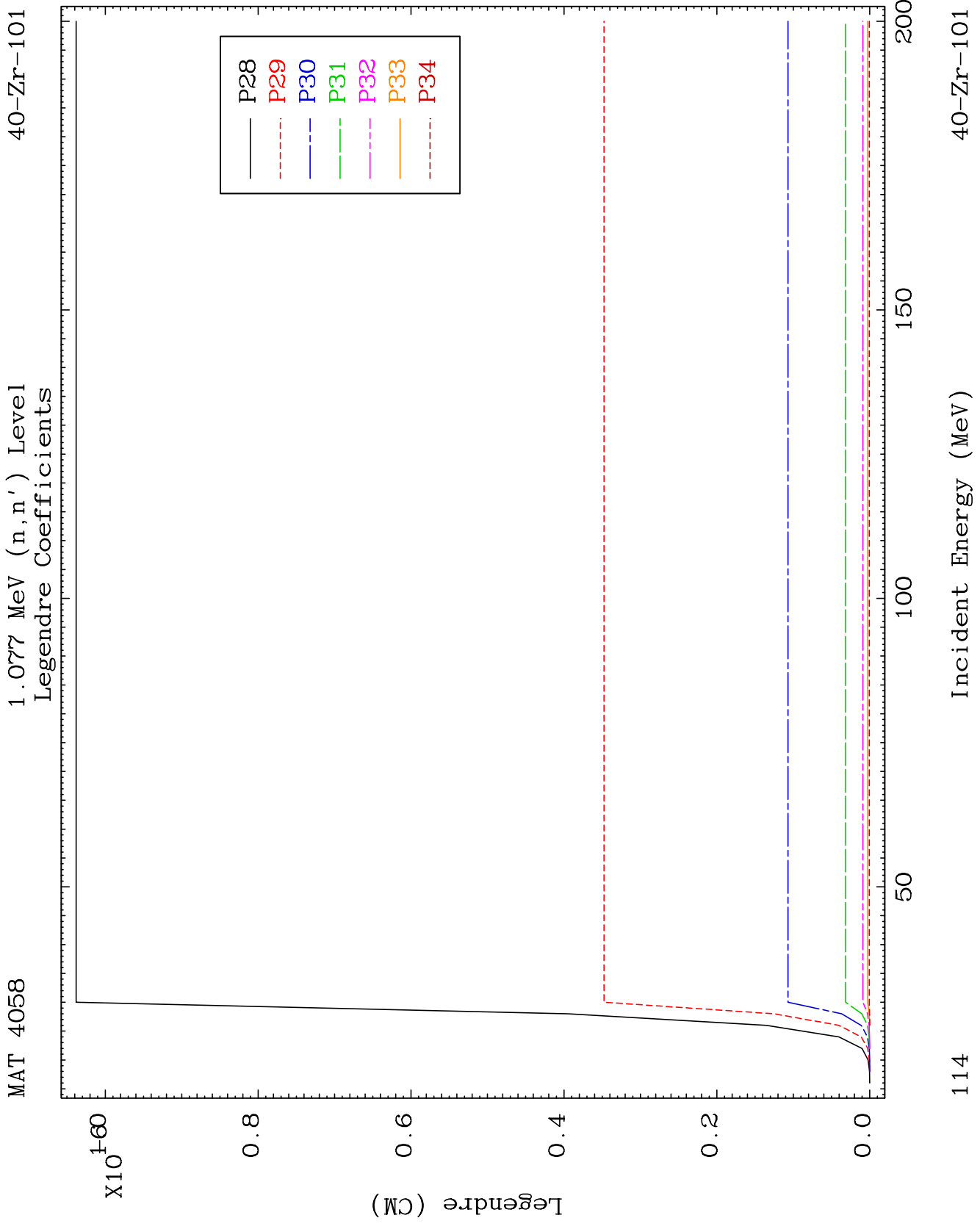










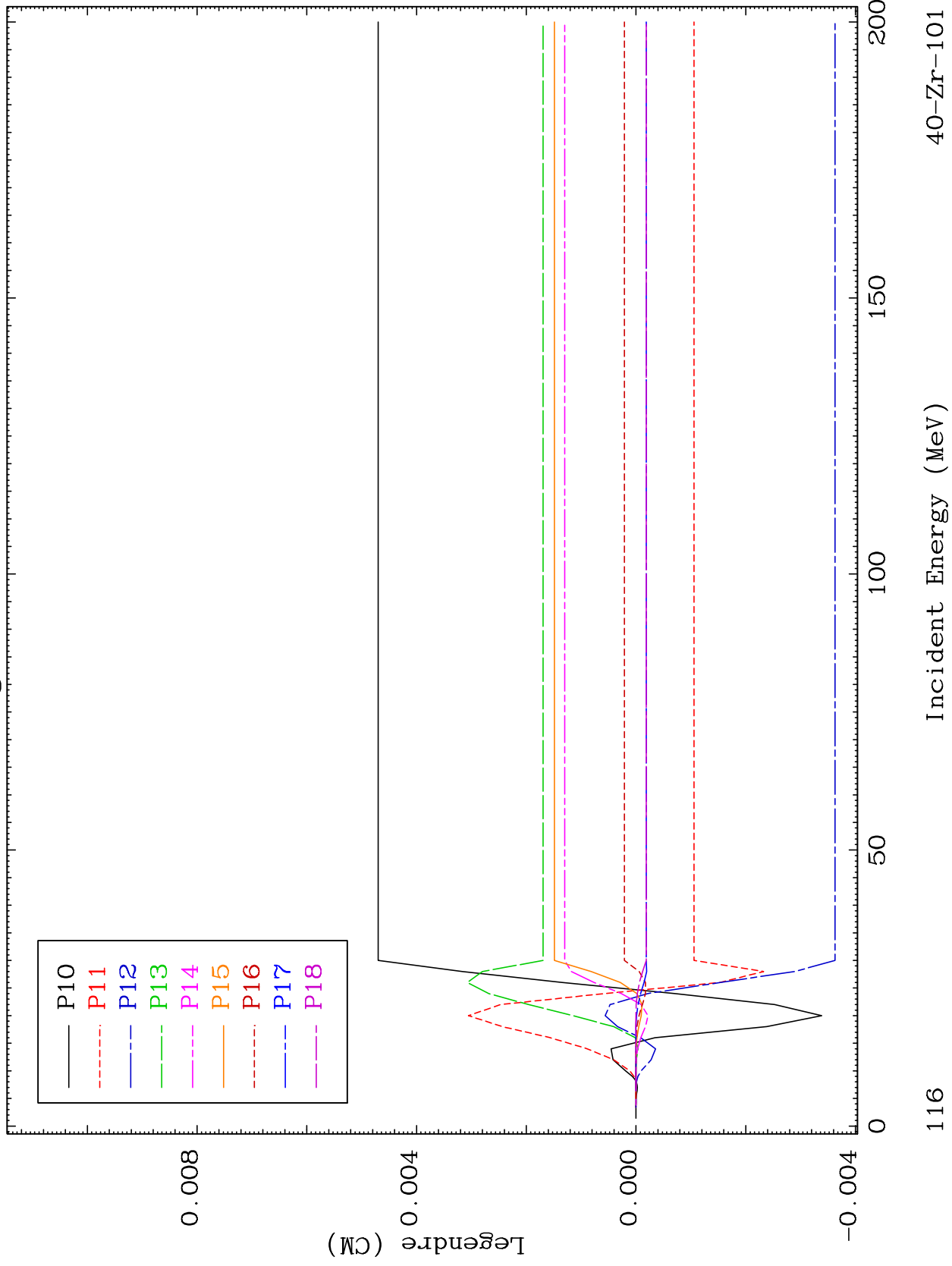




MAT 4058

1.121 MeV (n,n') Level  
Legendre Coefficients

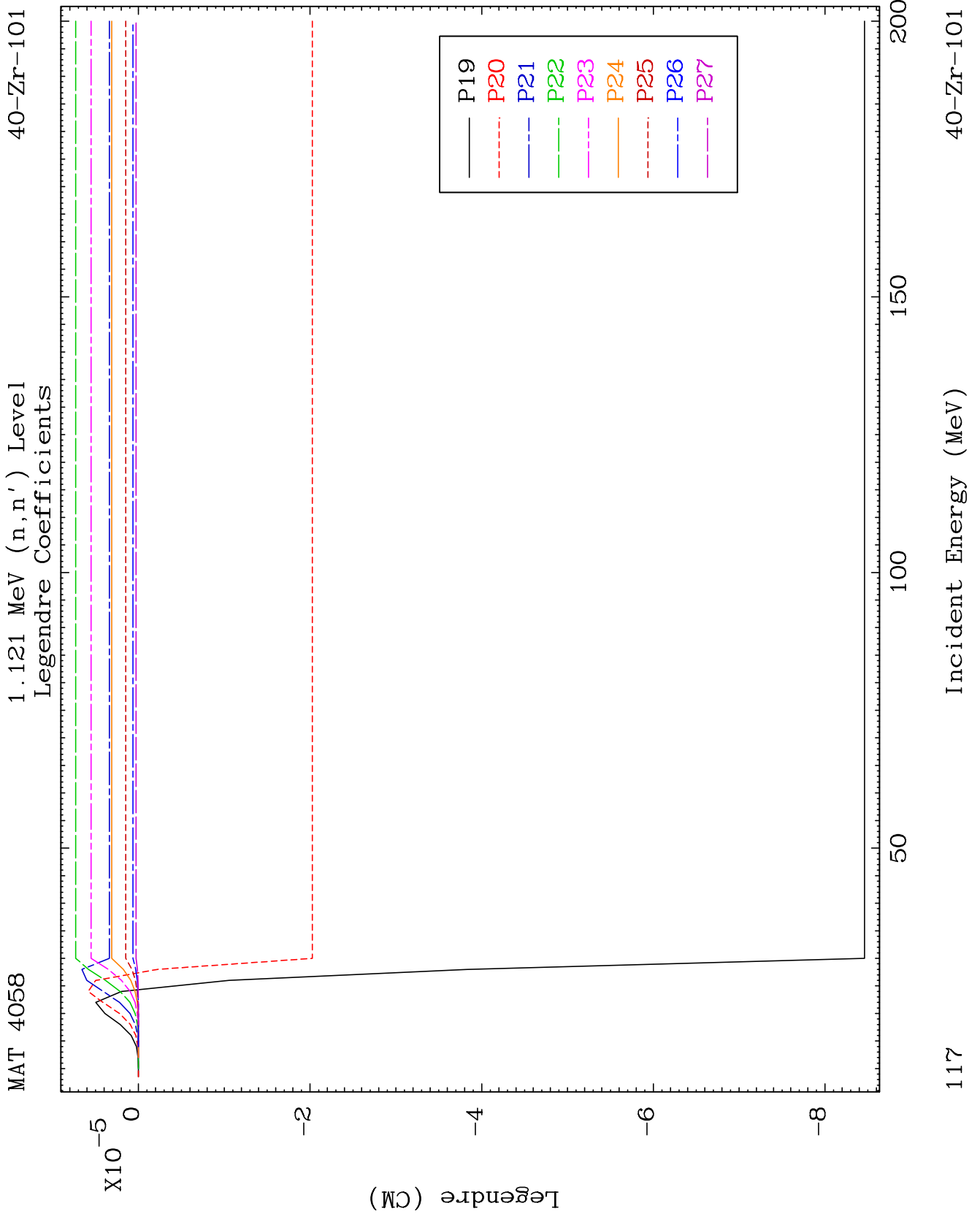
40-Zr-101

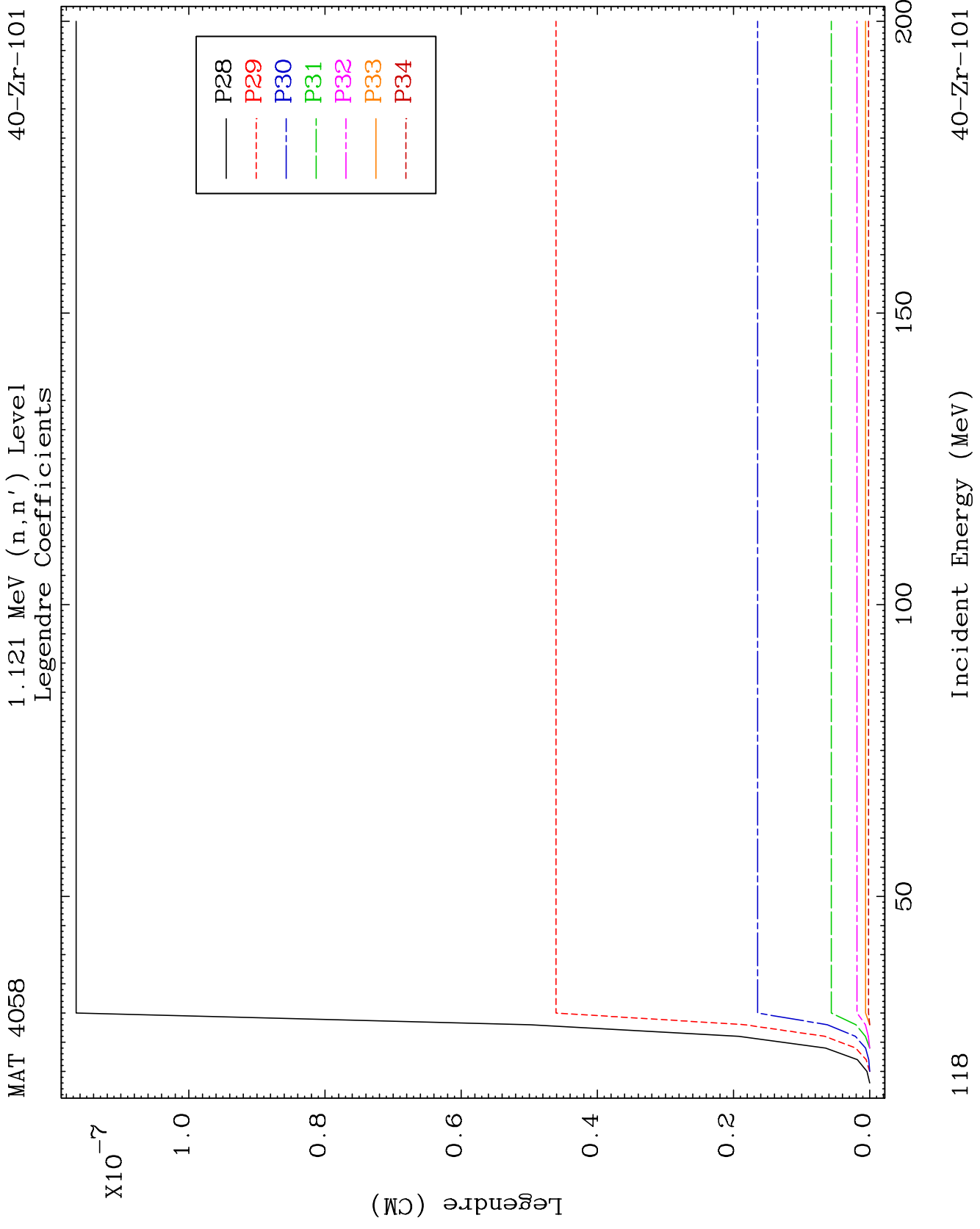


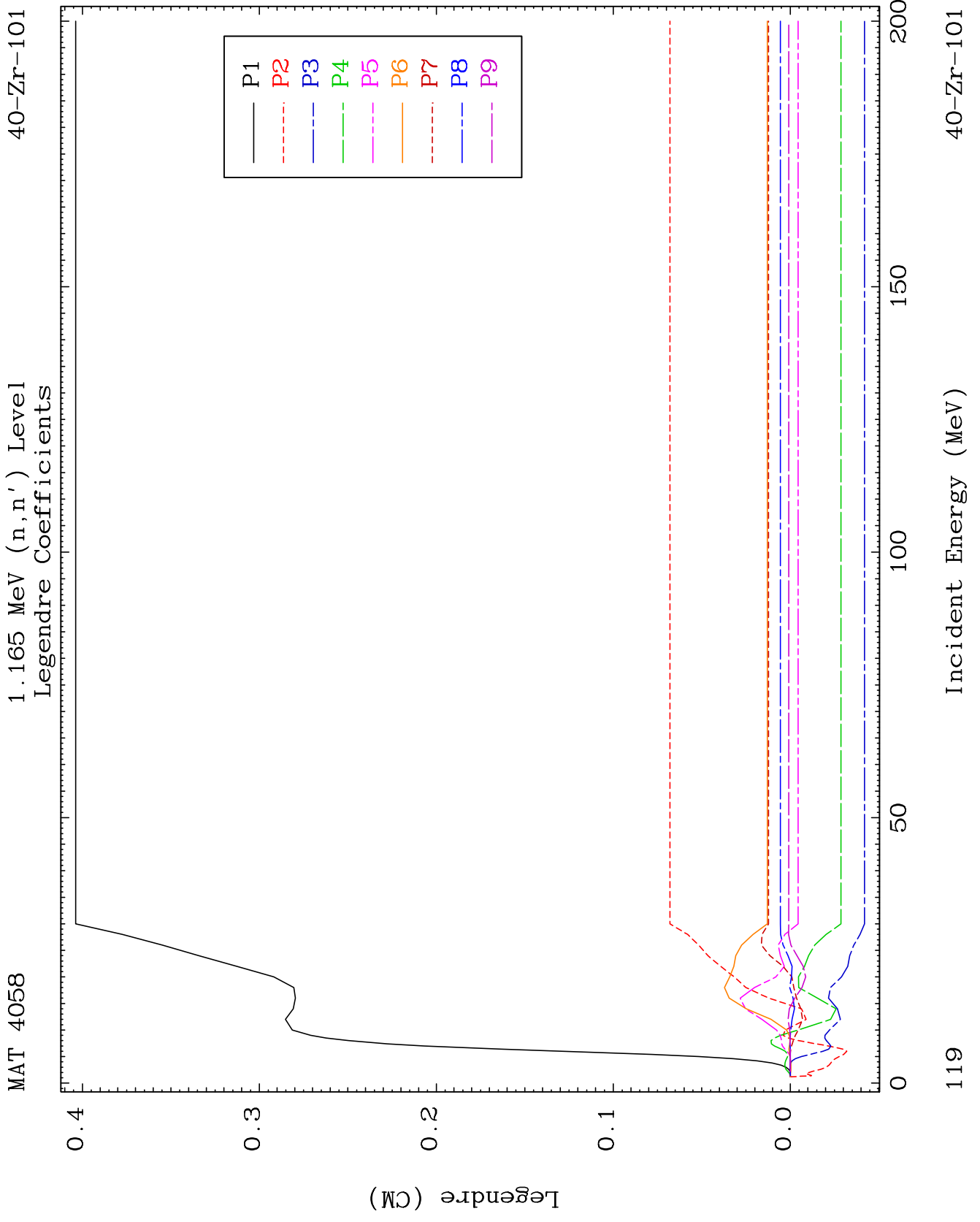
116

Incident Energy (MeV)

40-Zr-101





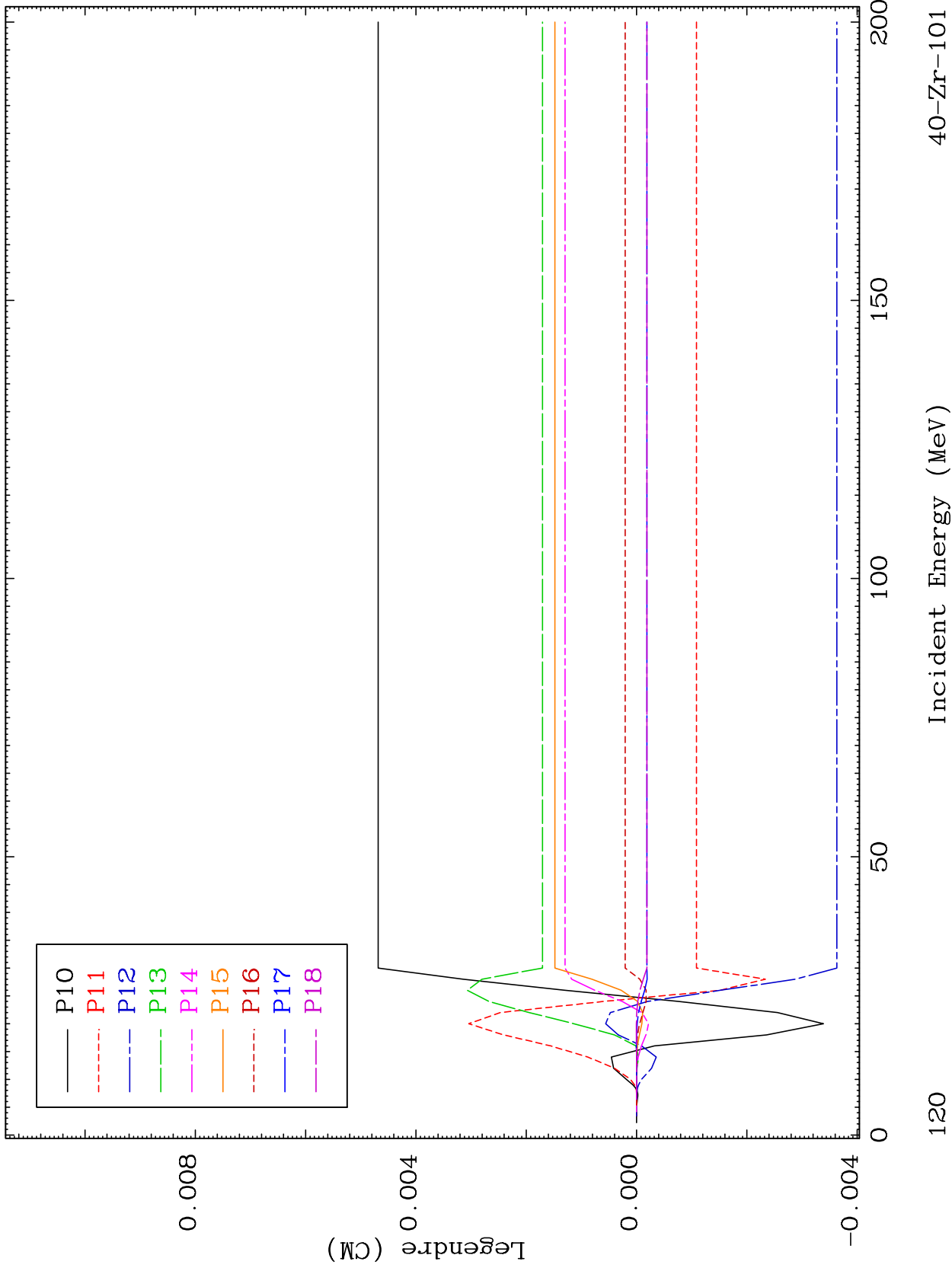




MAT 4058

1.165 MeV (n,n') Level  
Legendre Coefficients

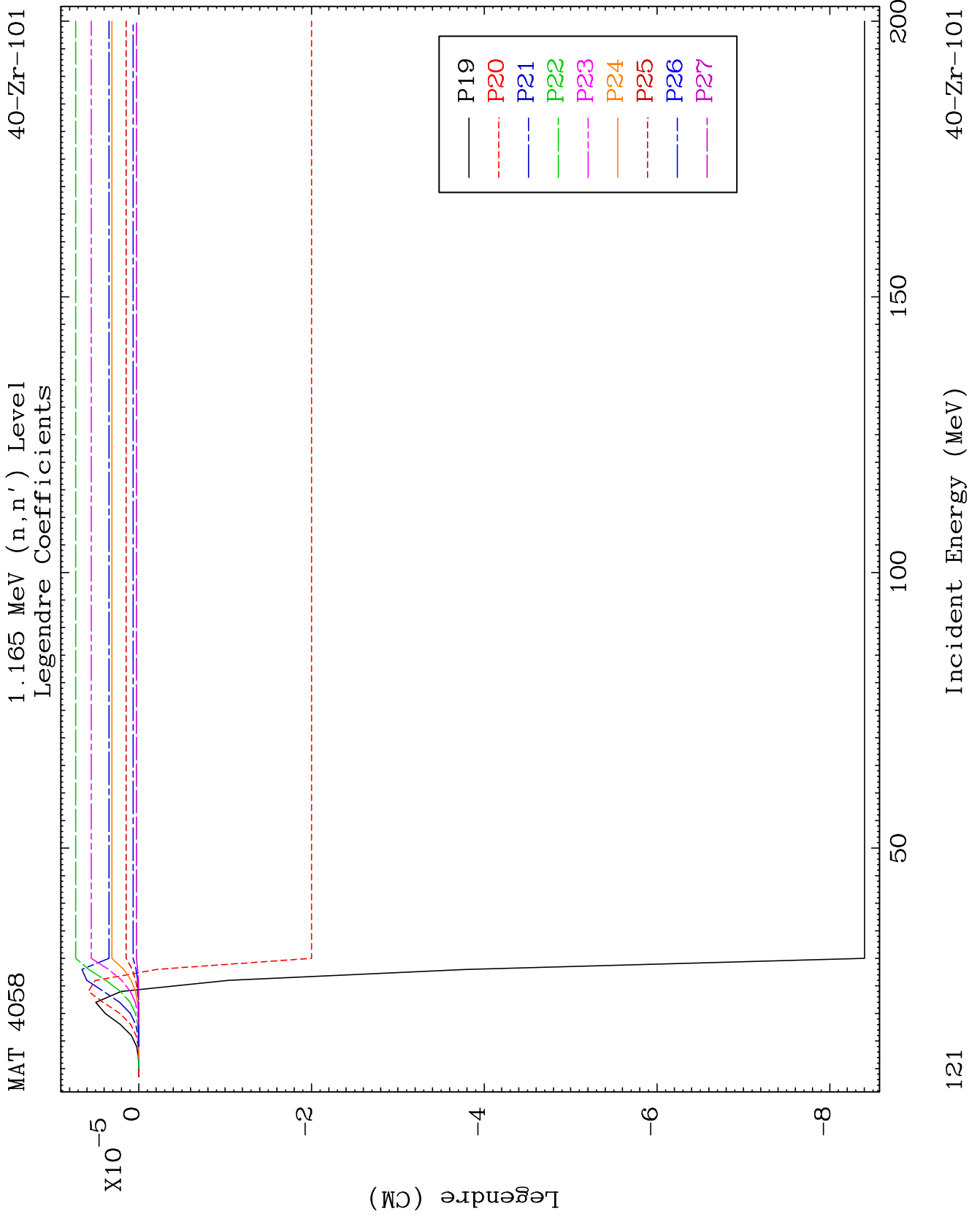
40-Zr-101

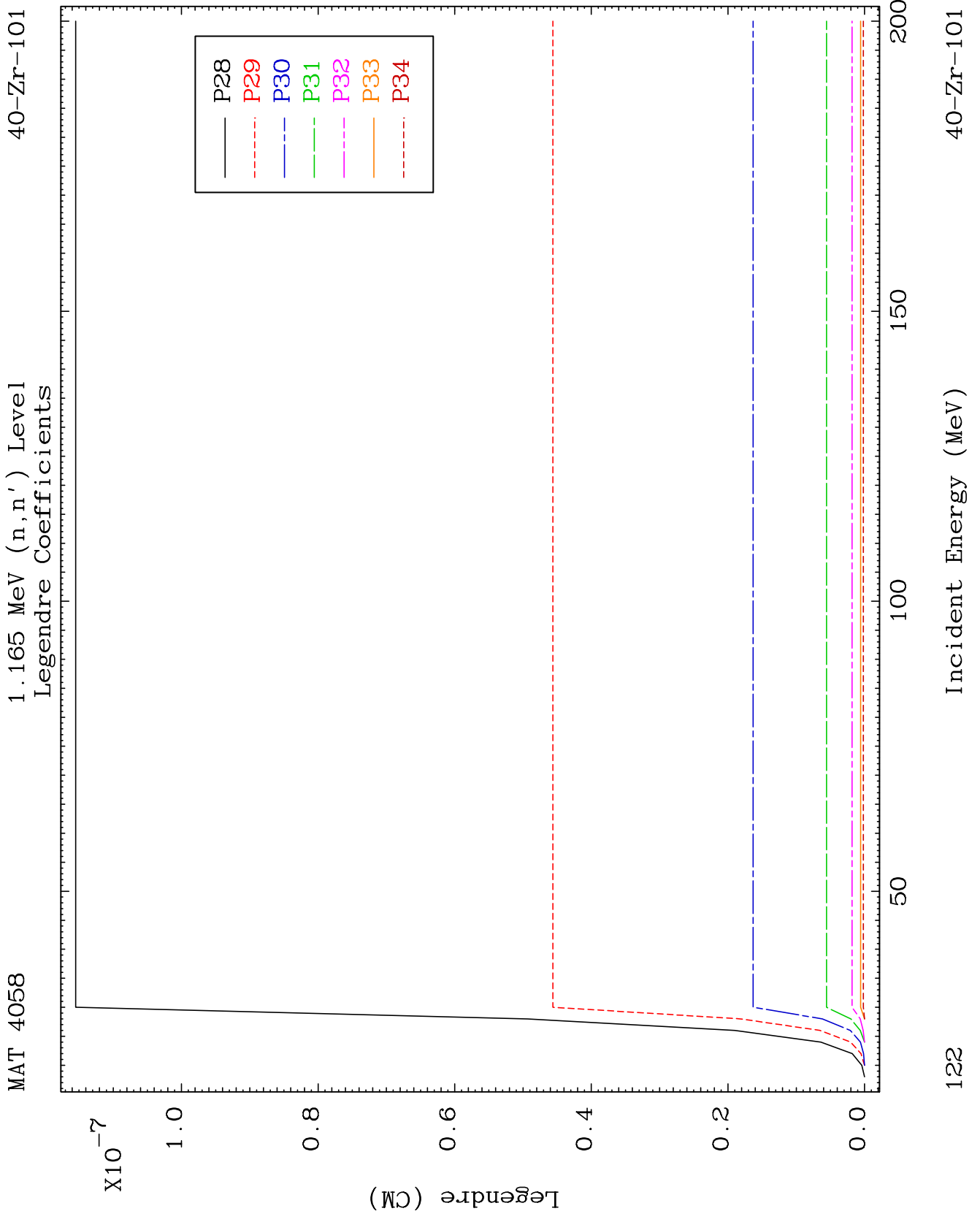


40-Zr-101

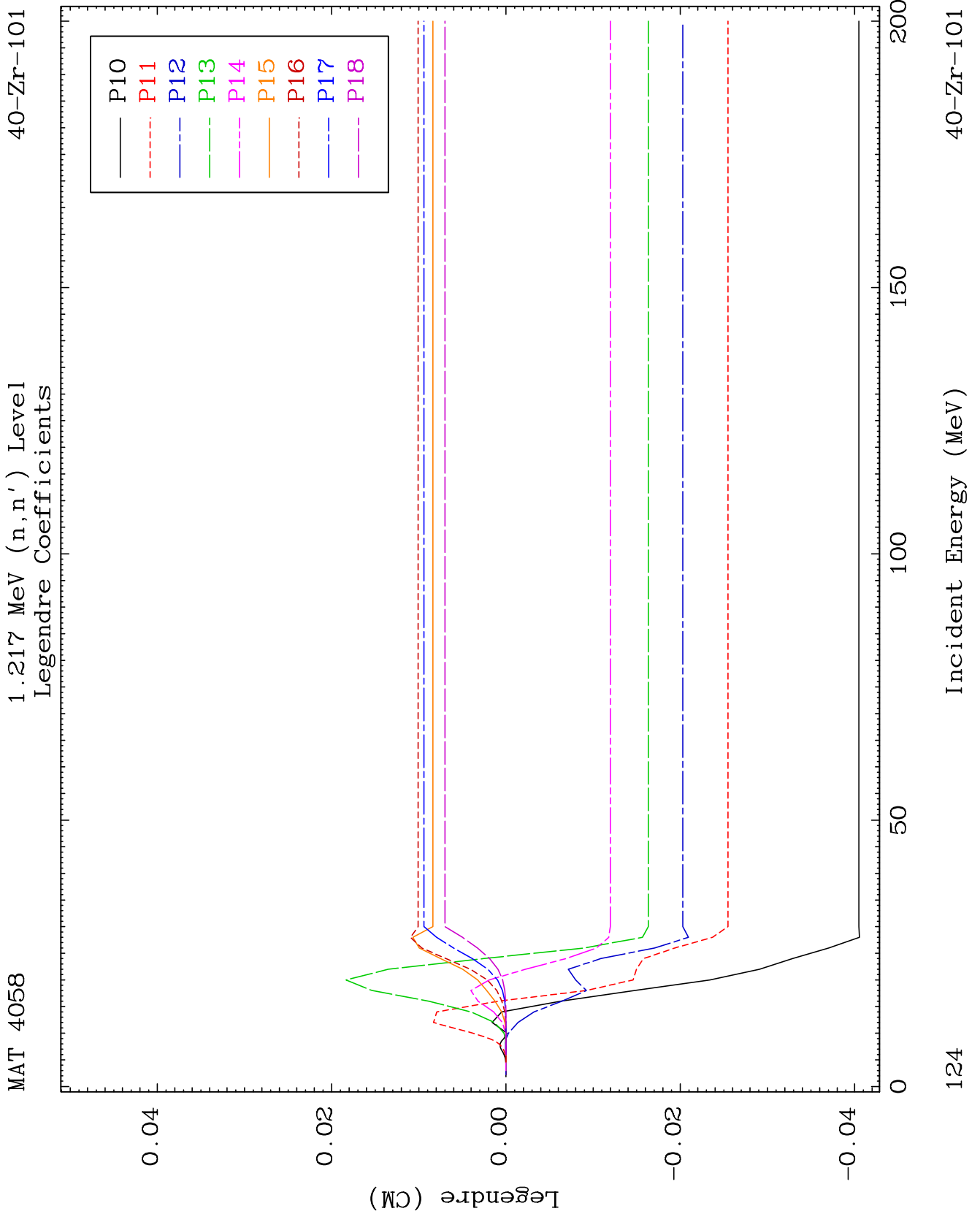
Incident Energy (MeV)

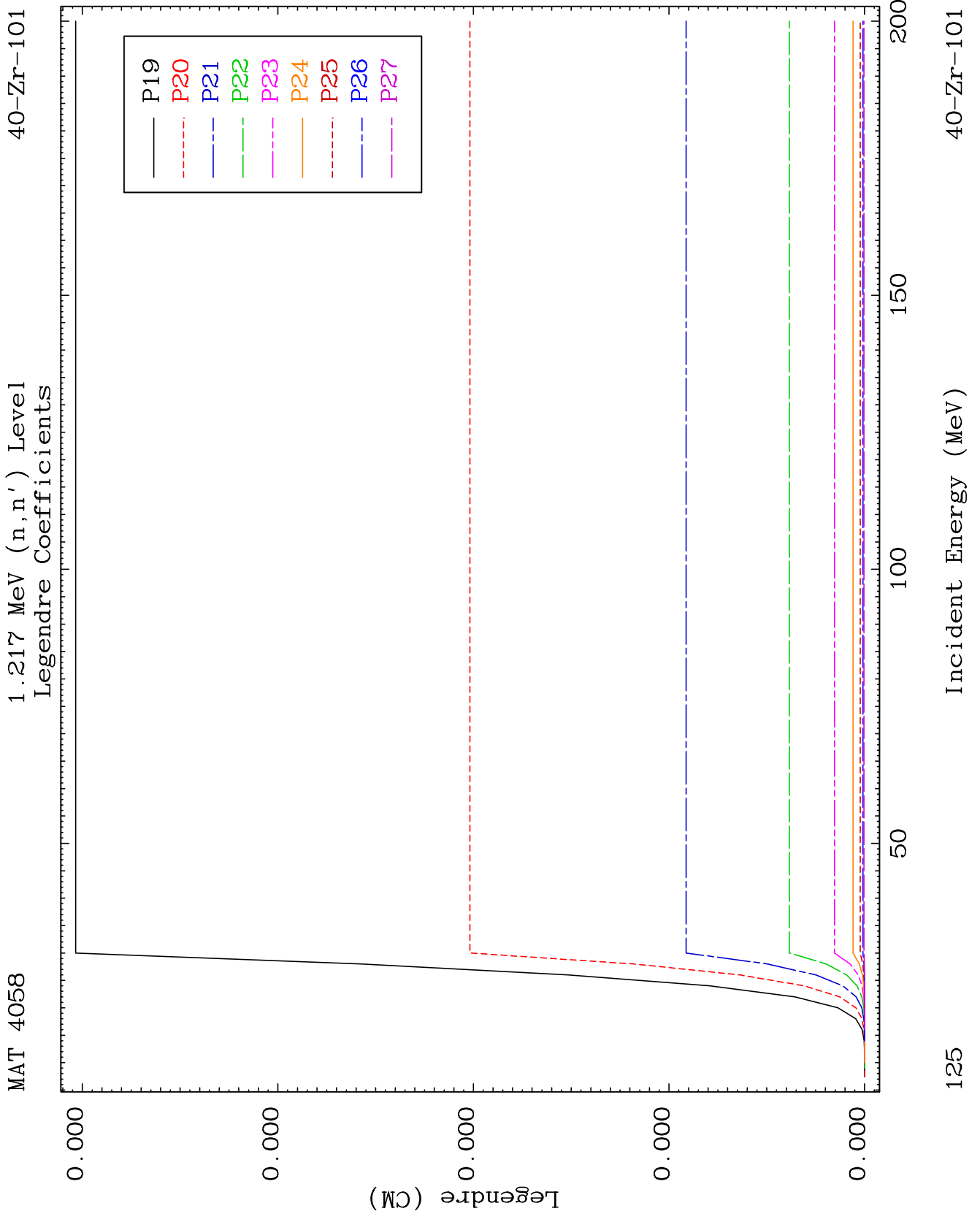
120

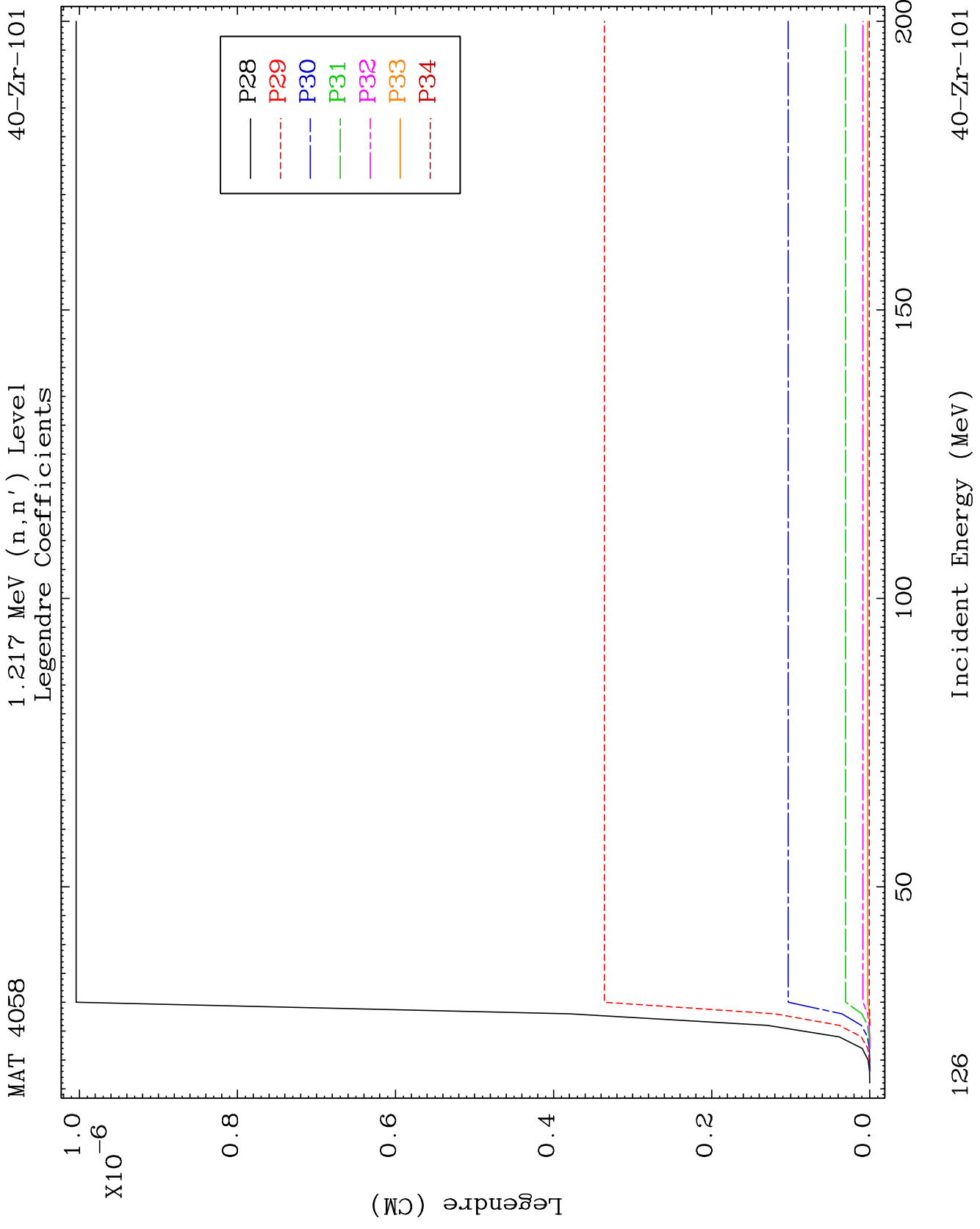


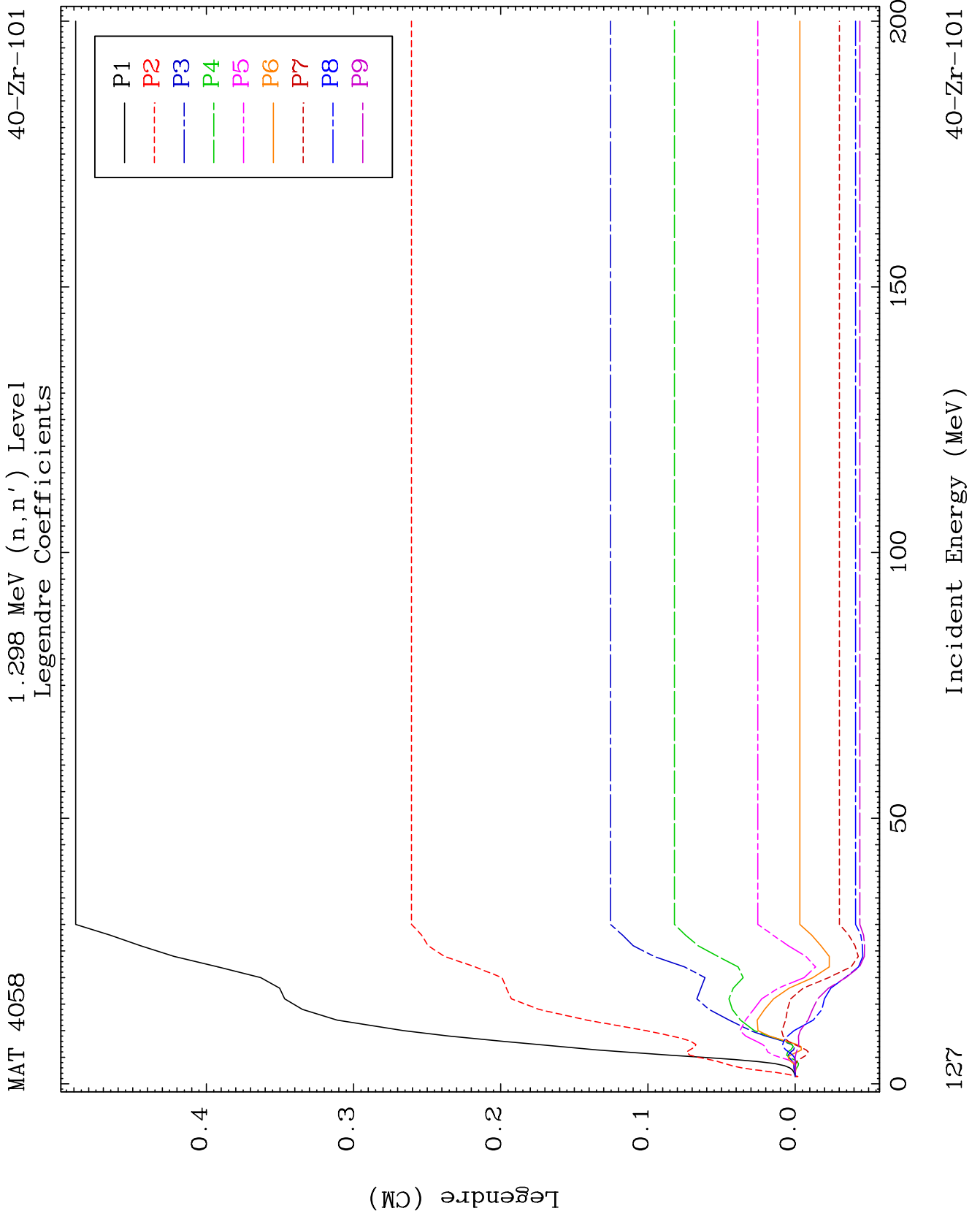






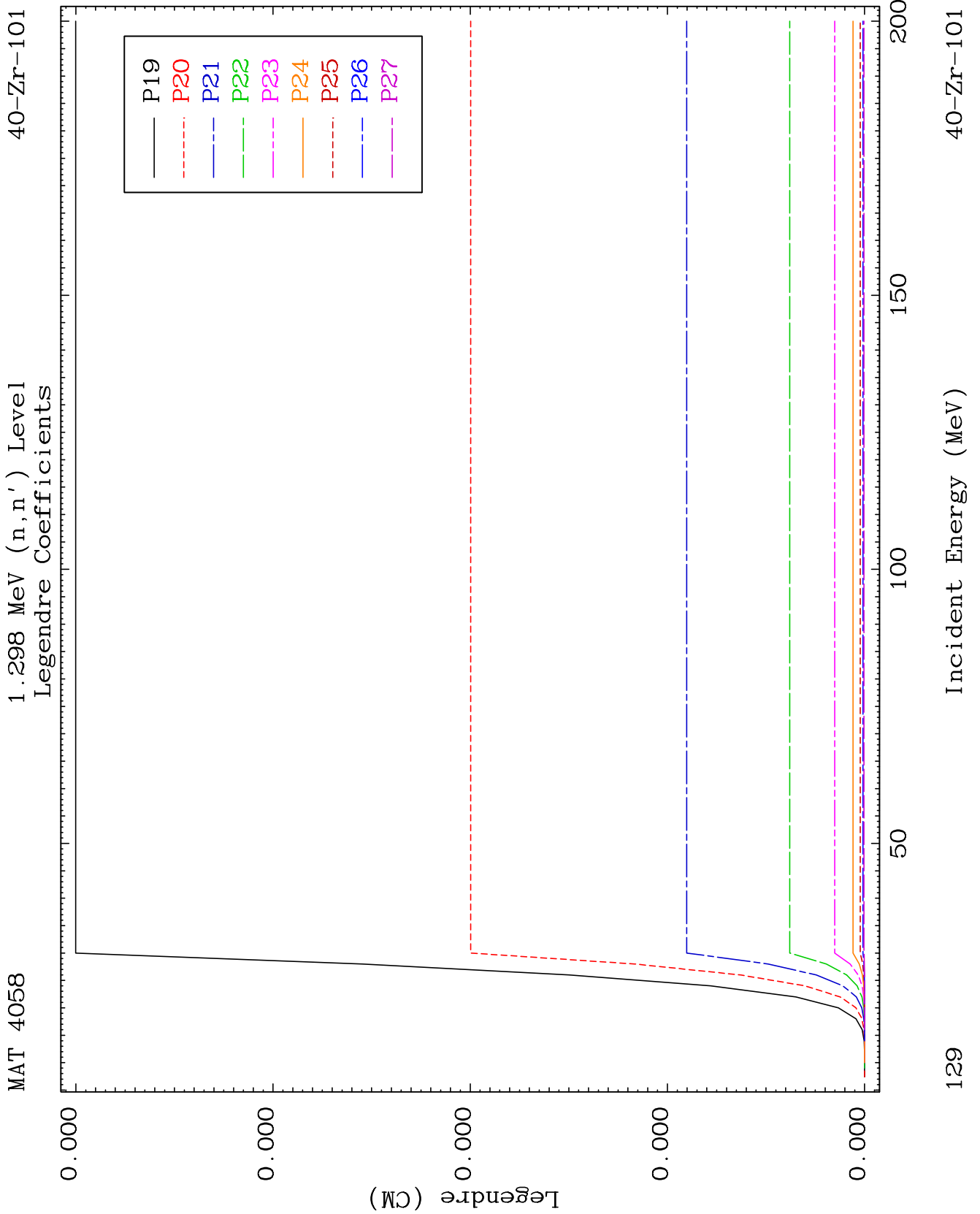


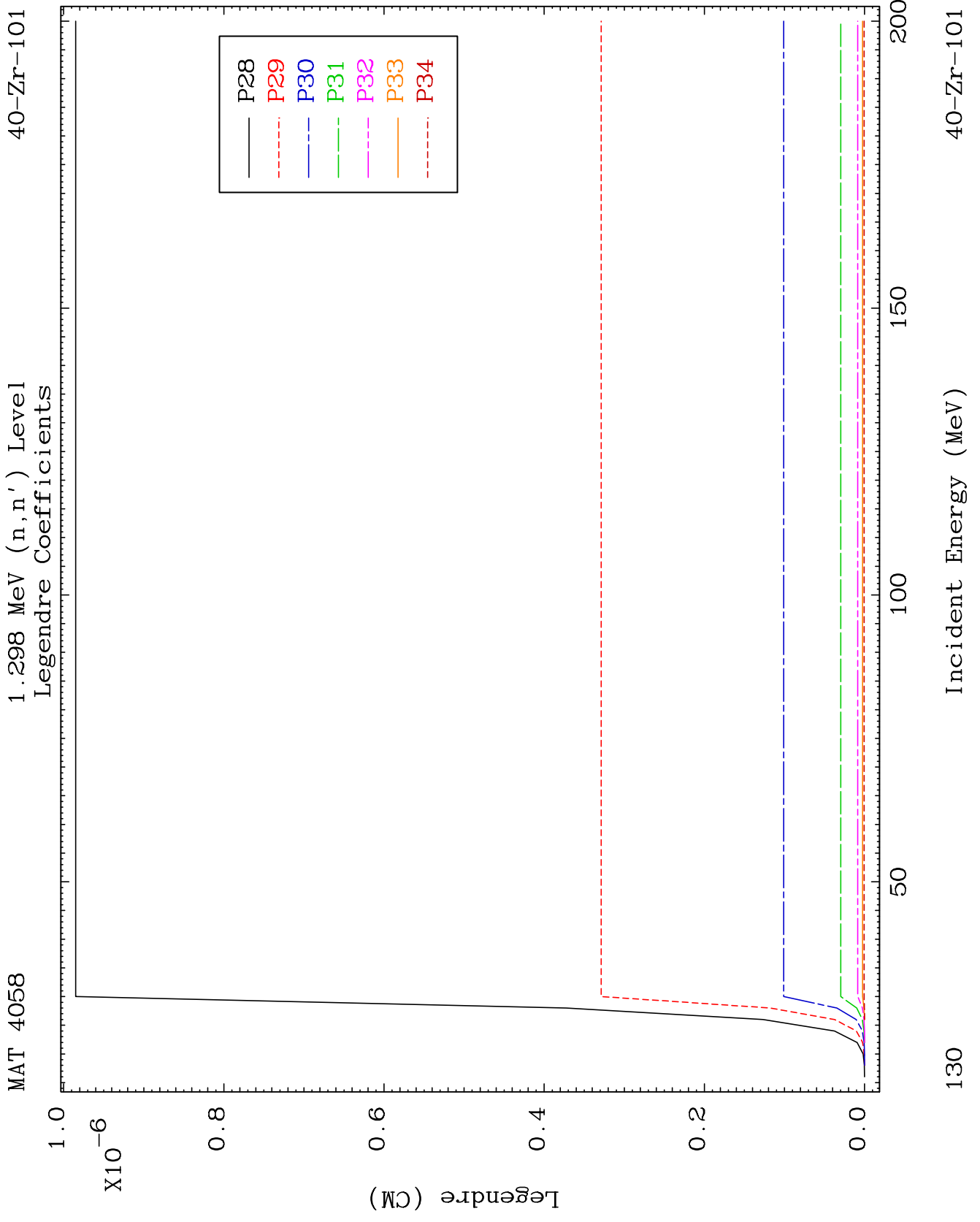


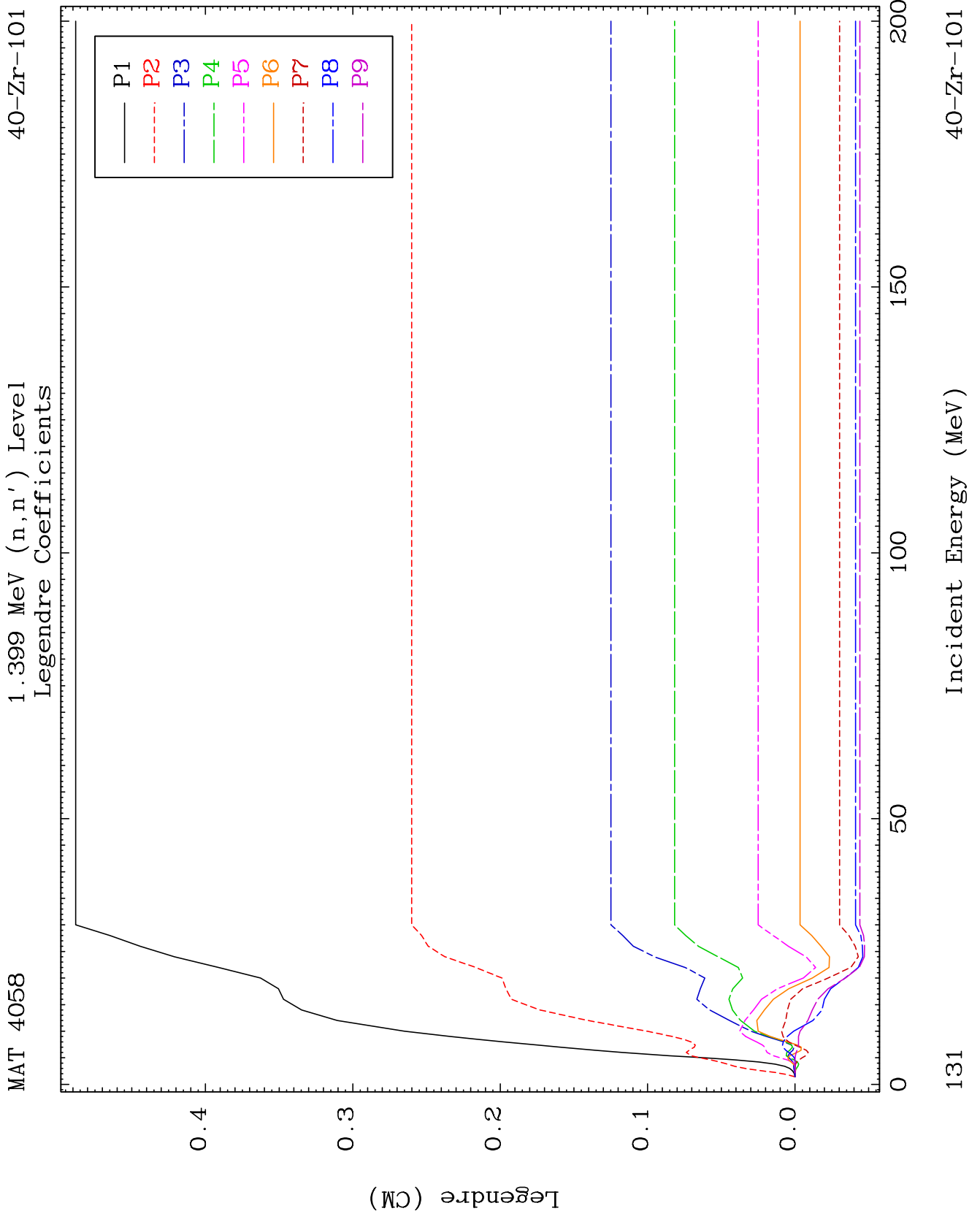


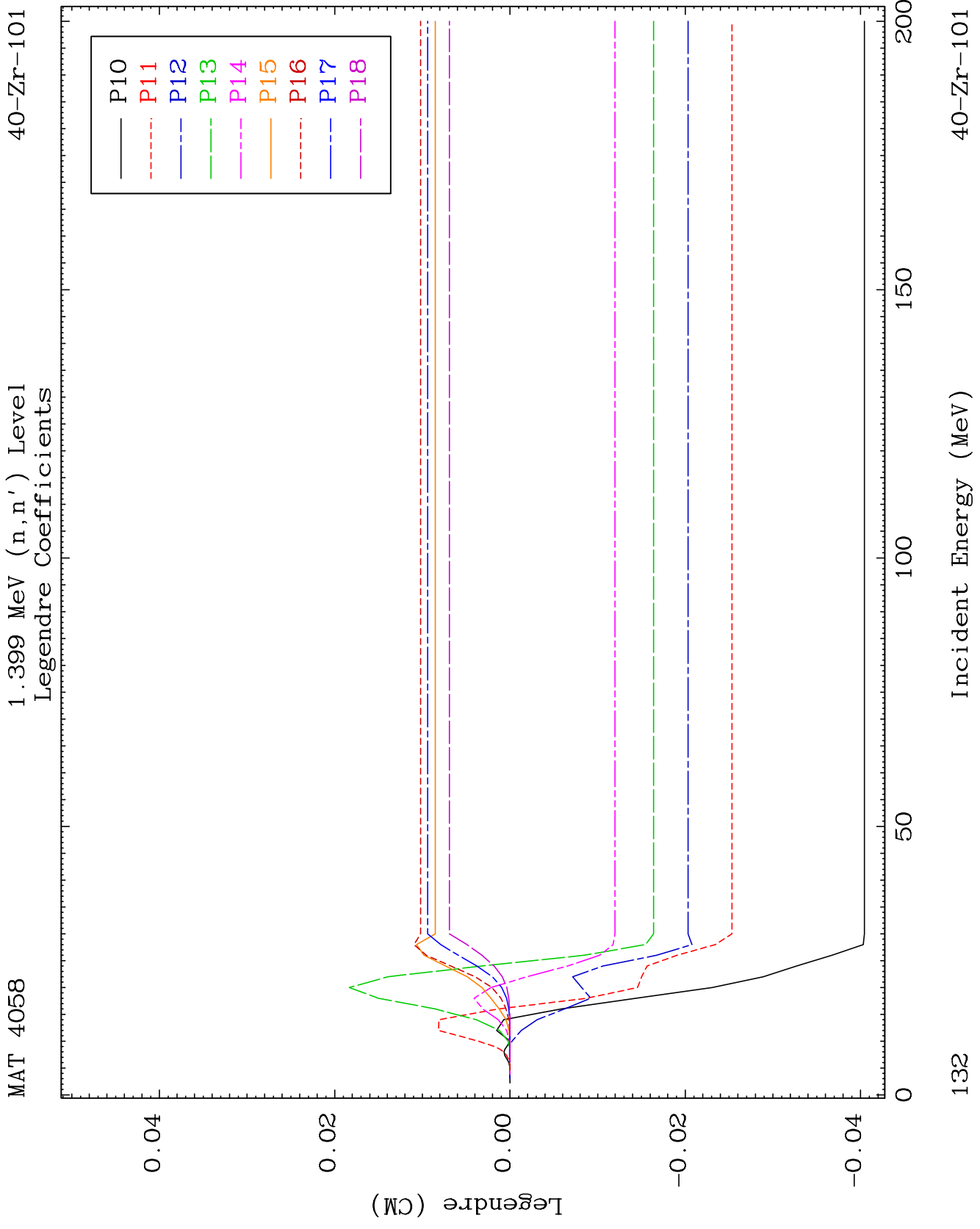


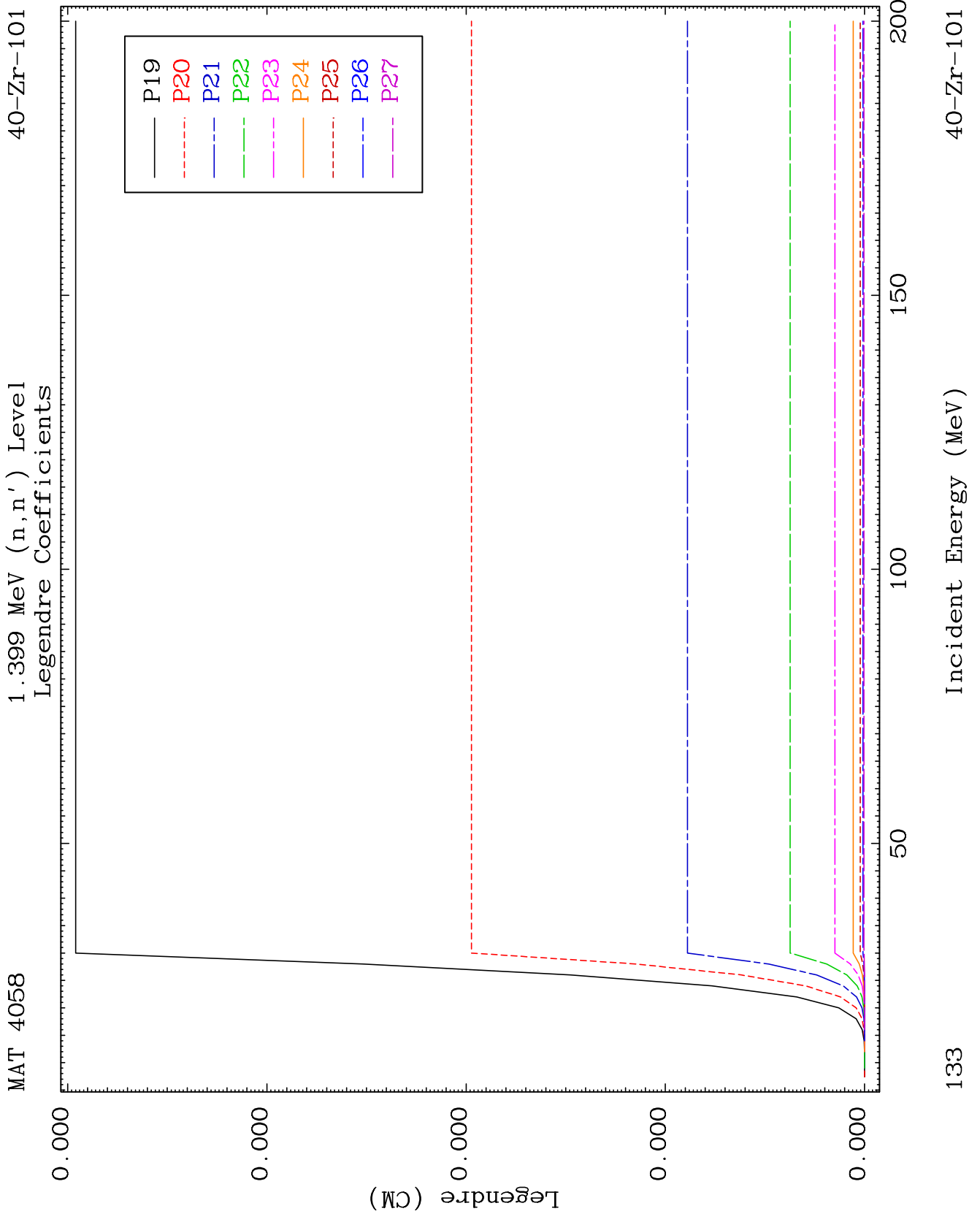


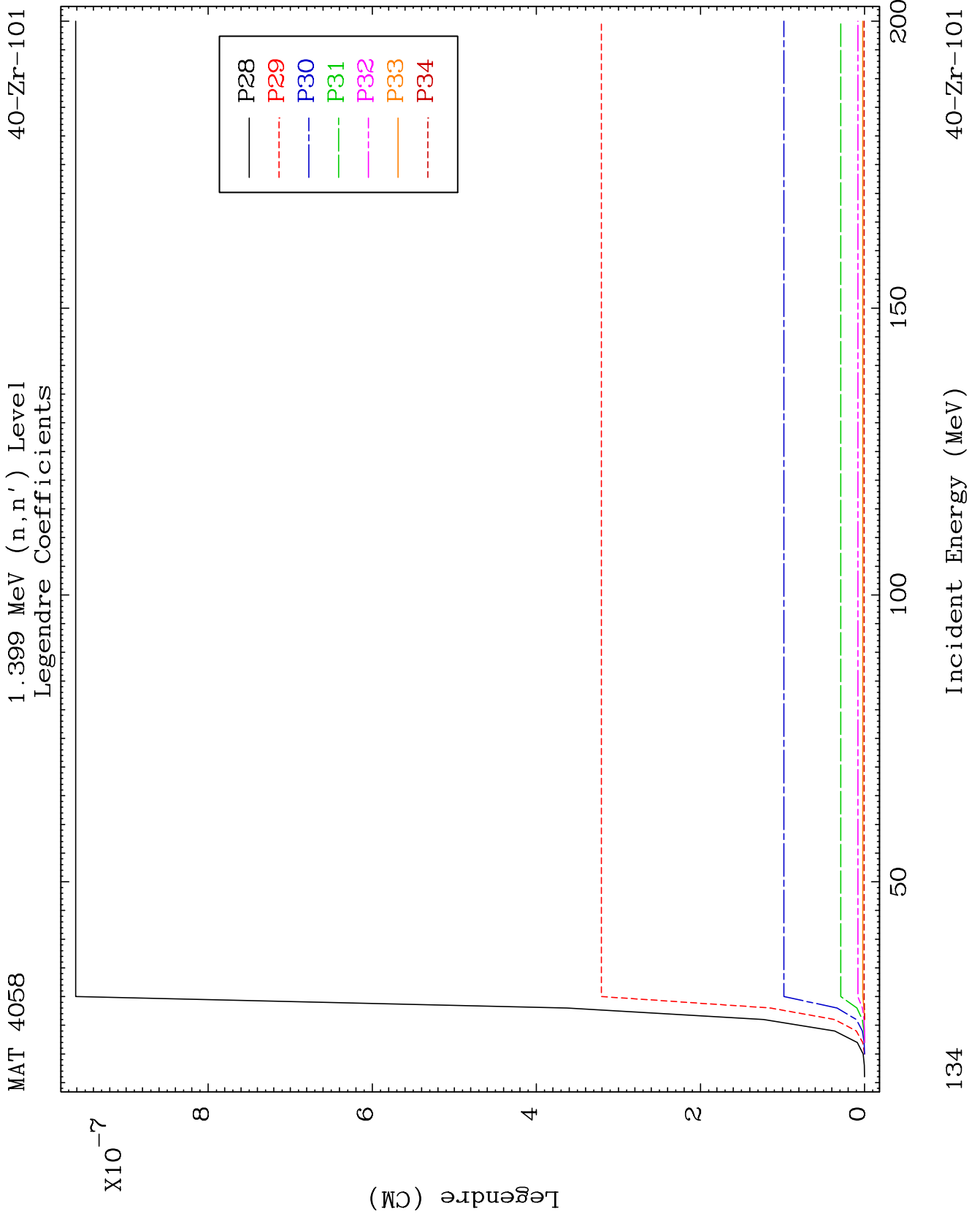










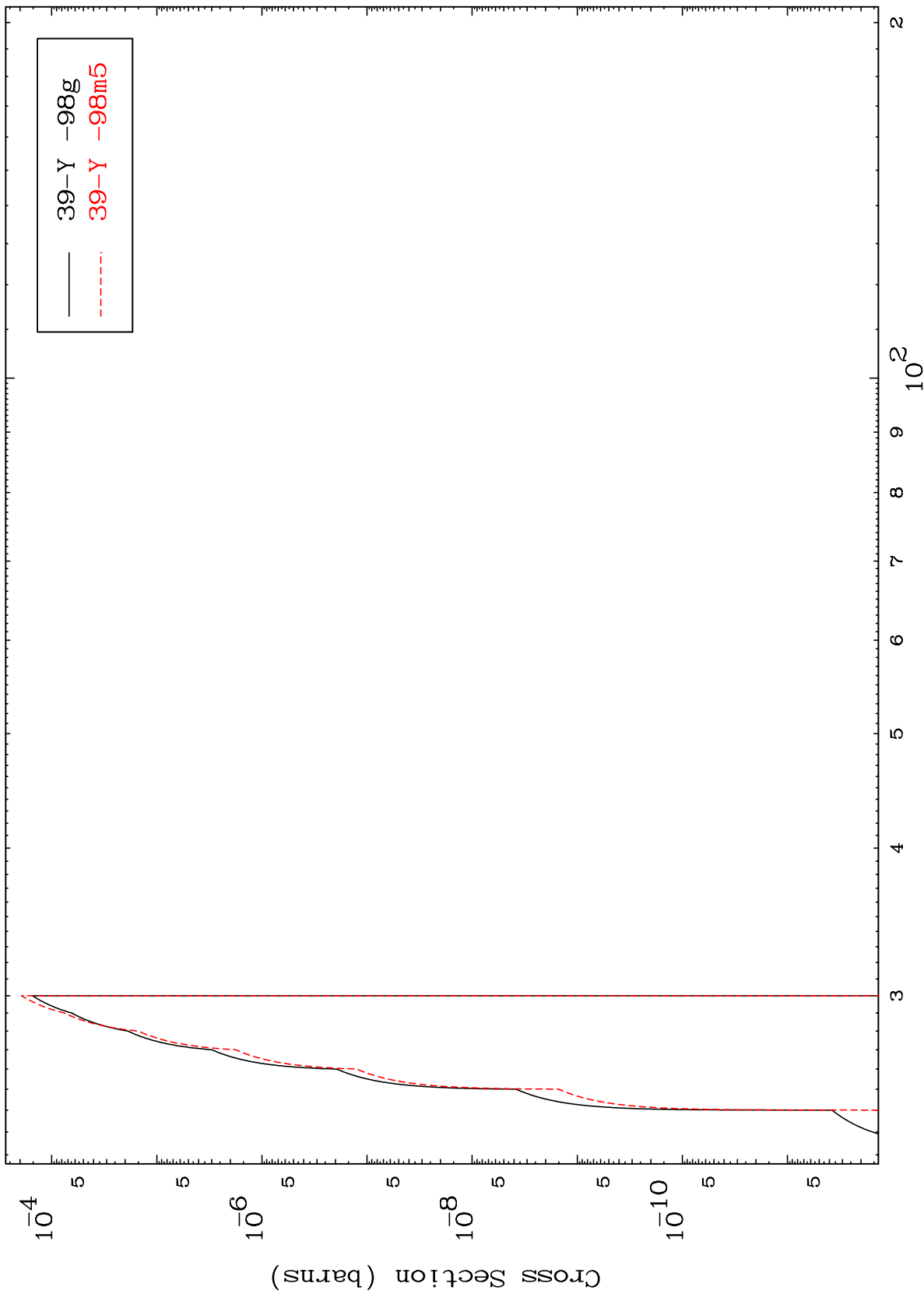


MAT 4058

(n,2n) d

40-Zr-101

Radionuclide Production Cross Section



39-Y -98g  
39-Y -98m5

135

Incident Energy (MeV)

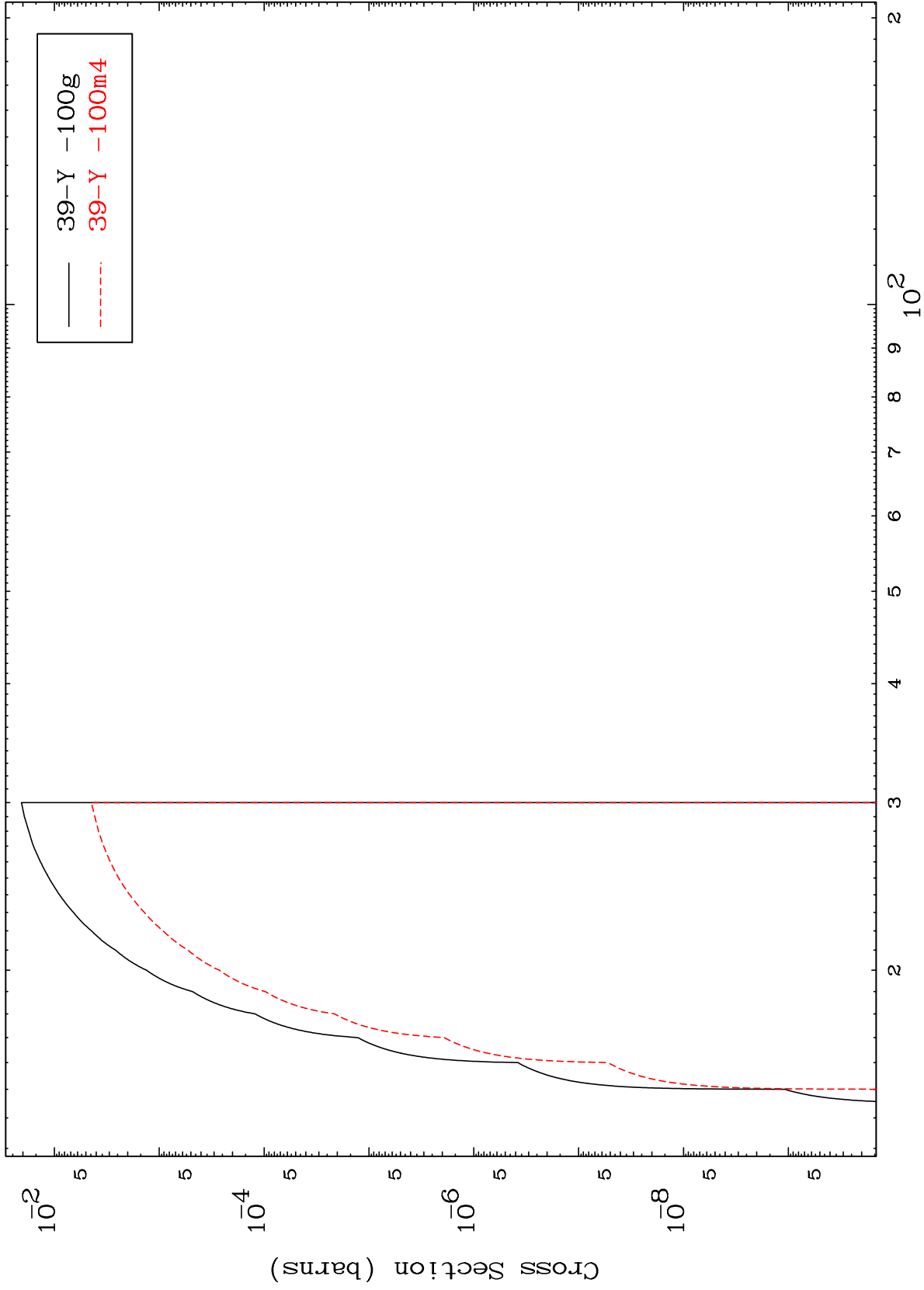
40-Zr-101



MAT 4058

40-Zr-101

$(n, n')$  p  
Radionuclide Production Cross Section

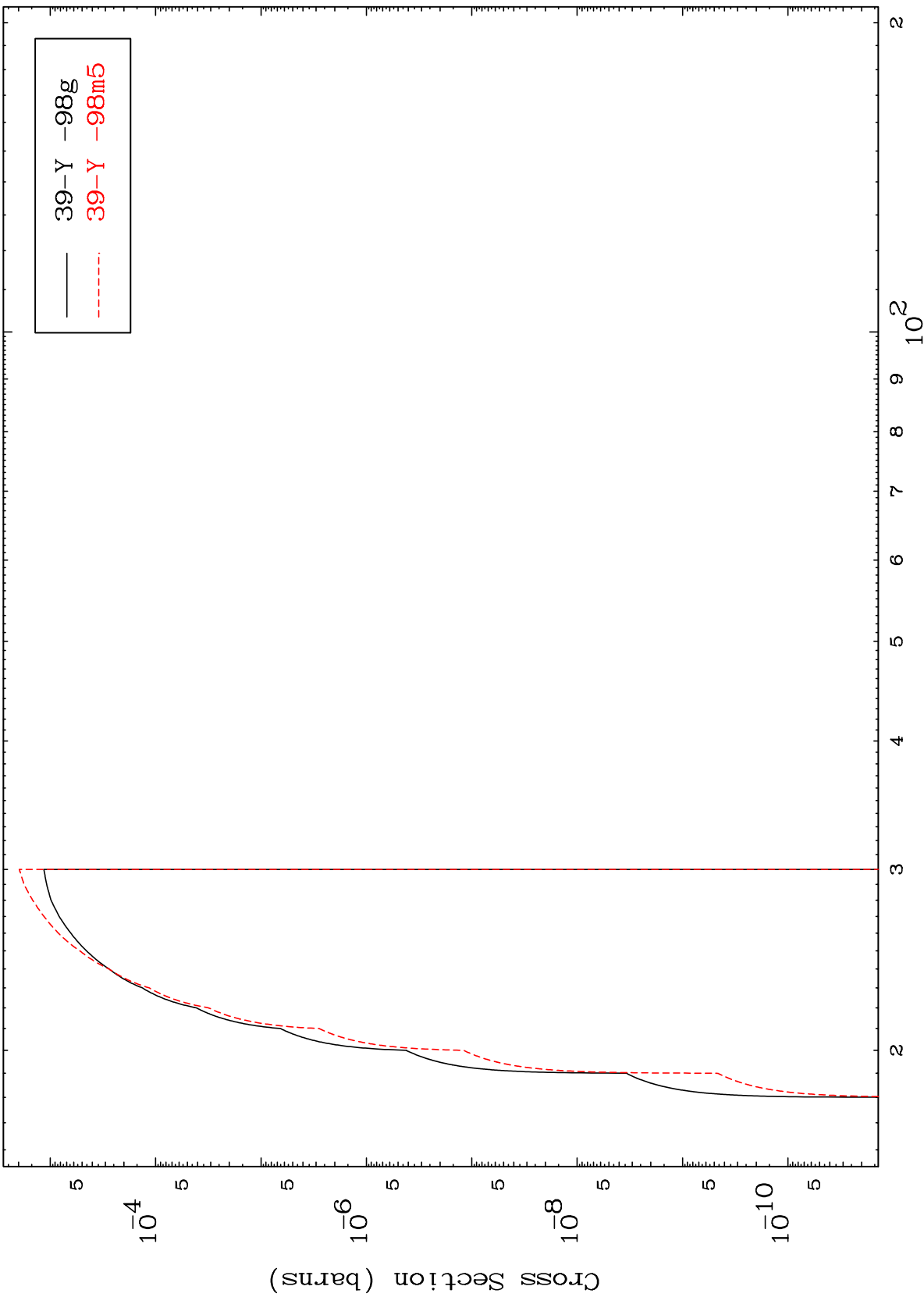


136

Incident Energy (MeV)

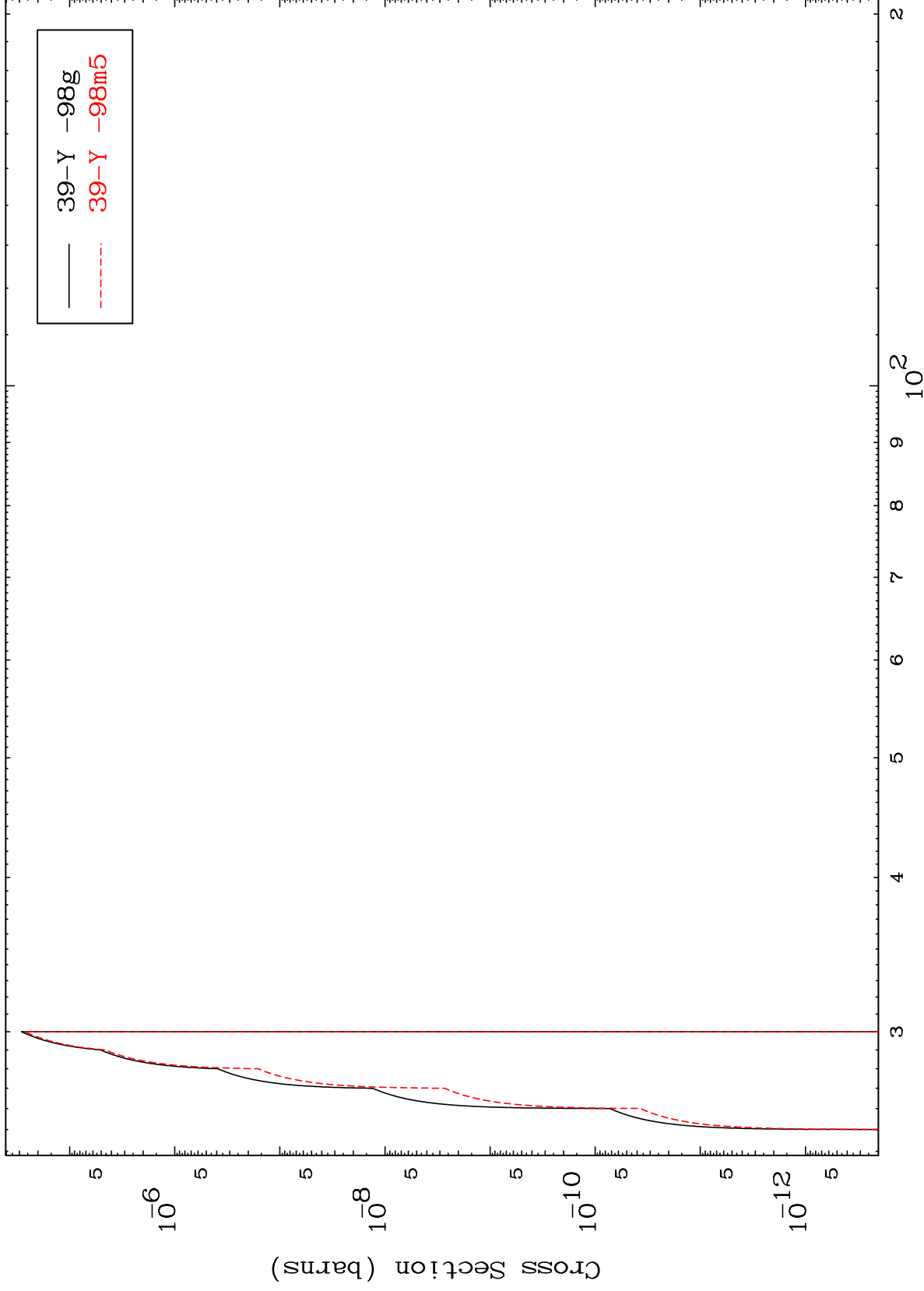
40-Zr-101

Radionuclide Production Cross Section



39-Y-98g  
39-Y-98m5

Radionuclide Production Cross Section

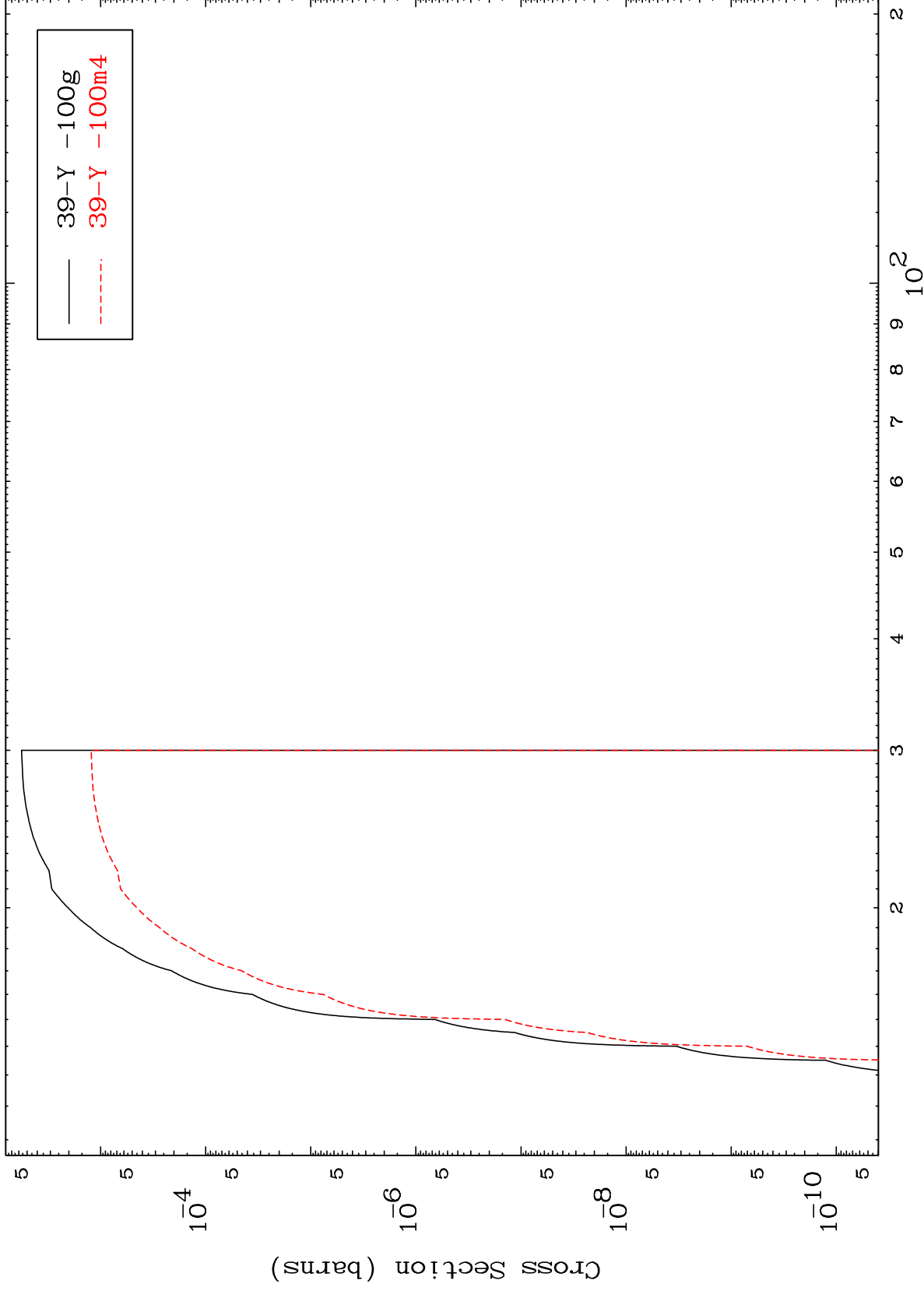


MAT 4058

(n,d)

40-Zr-101

Radionuclide Production Cross Section



139

Incident Energy (MeV)

40-Zr-101