

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

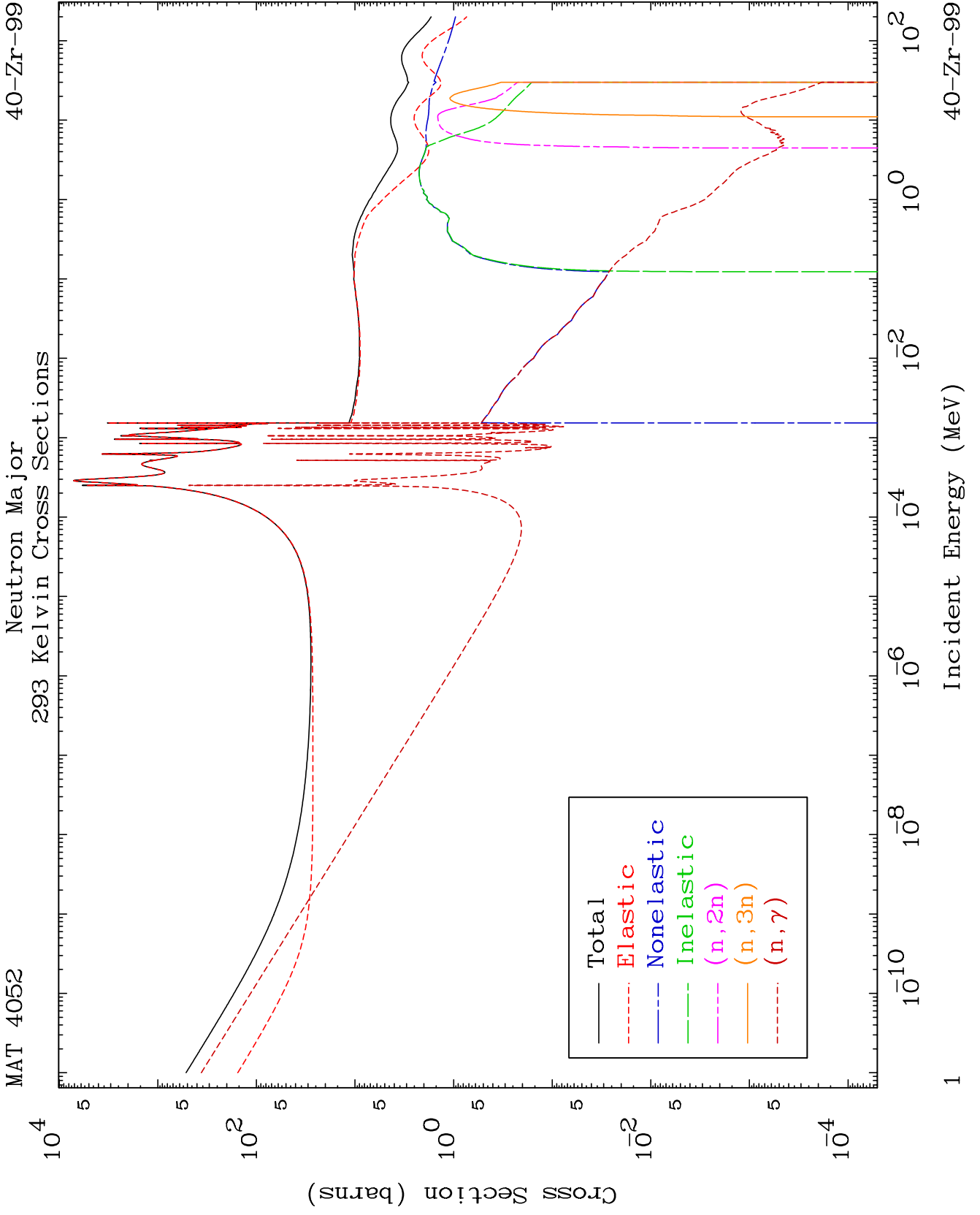
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

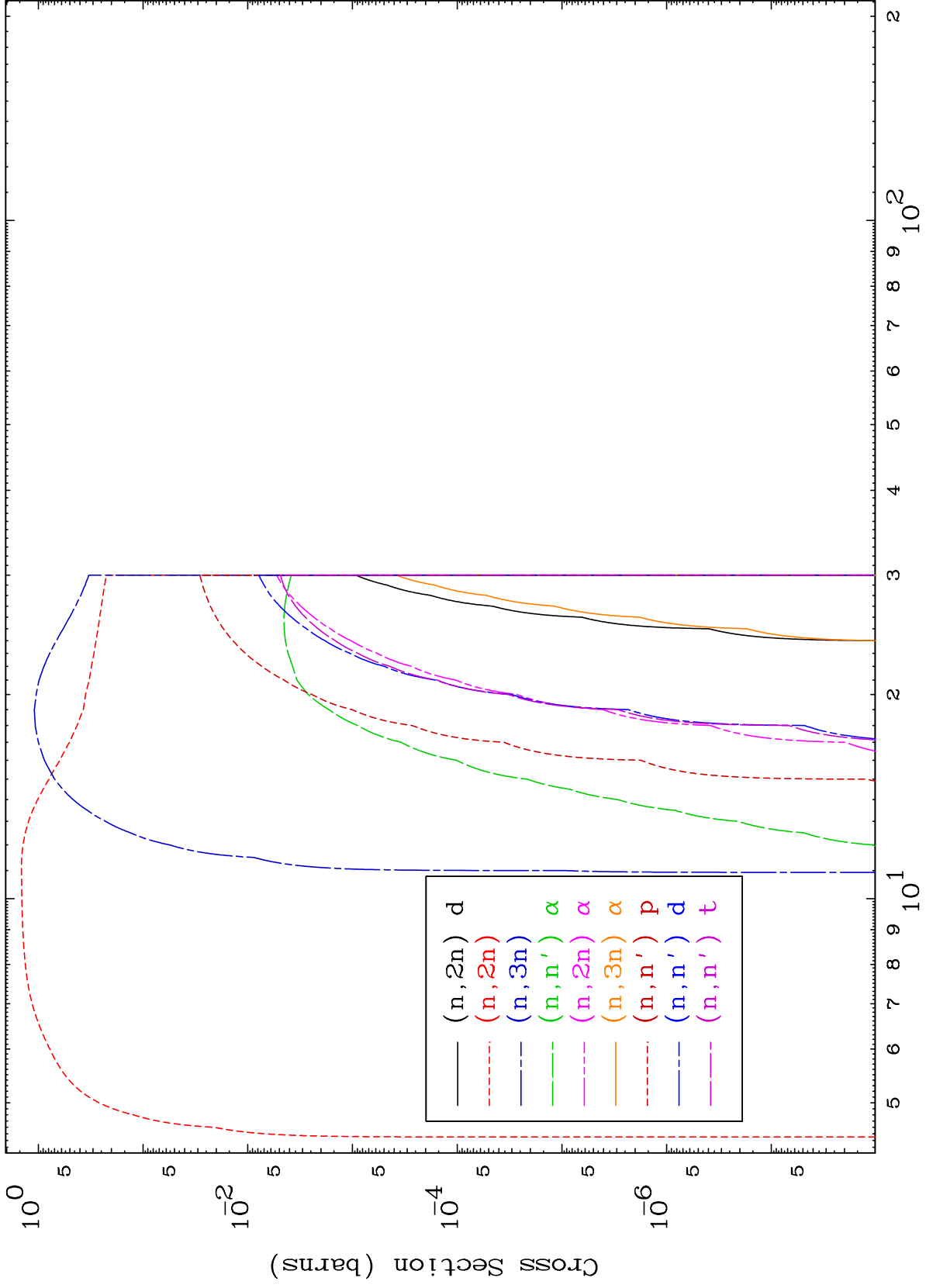
Press Mouse Button to Start



MAT 4052

Neutron Absorption  
293 Kelvin Cross Sections

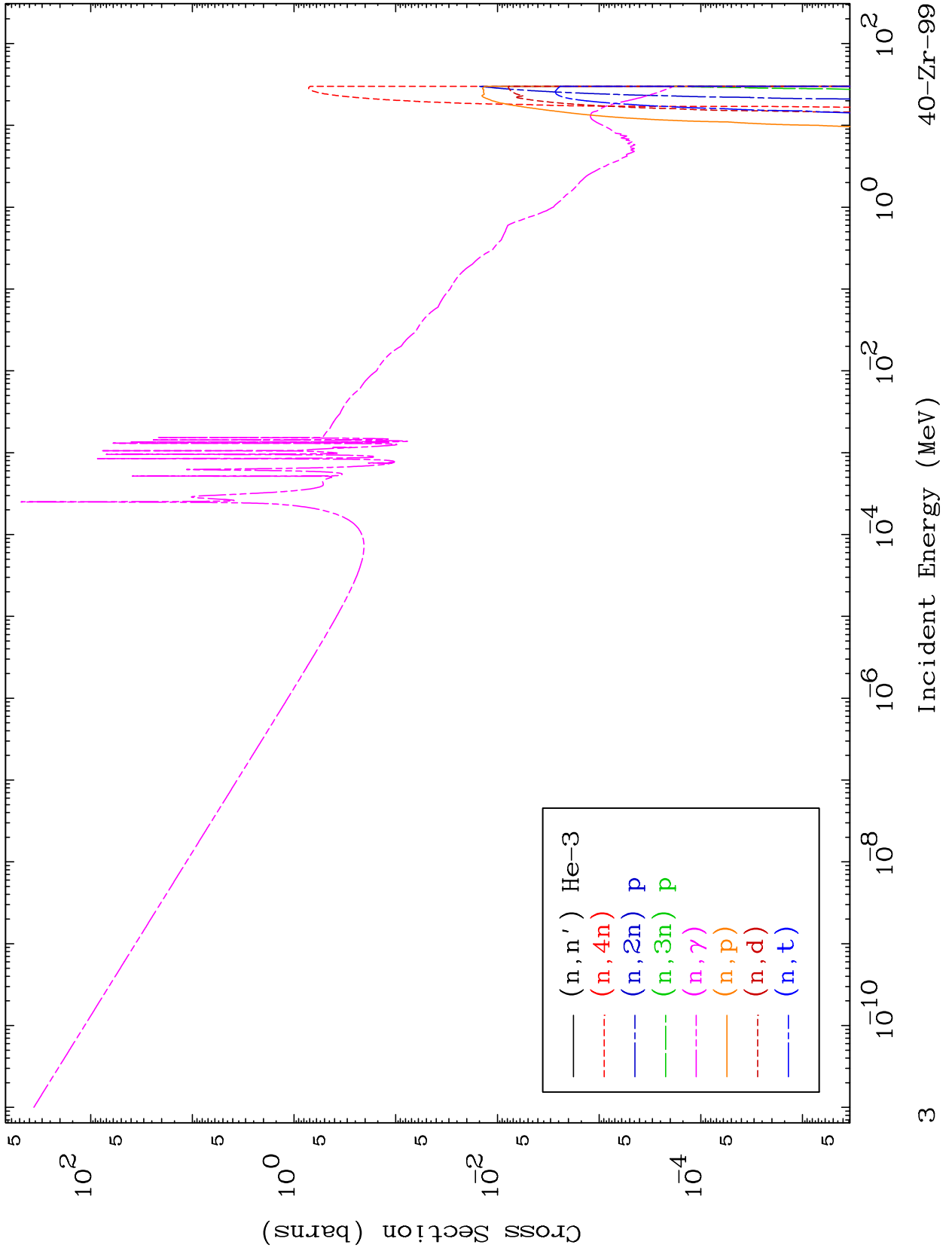
40-Zr-99



MAT 4052

Neutron Absorption  
293 Kelvin Cross Sections

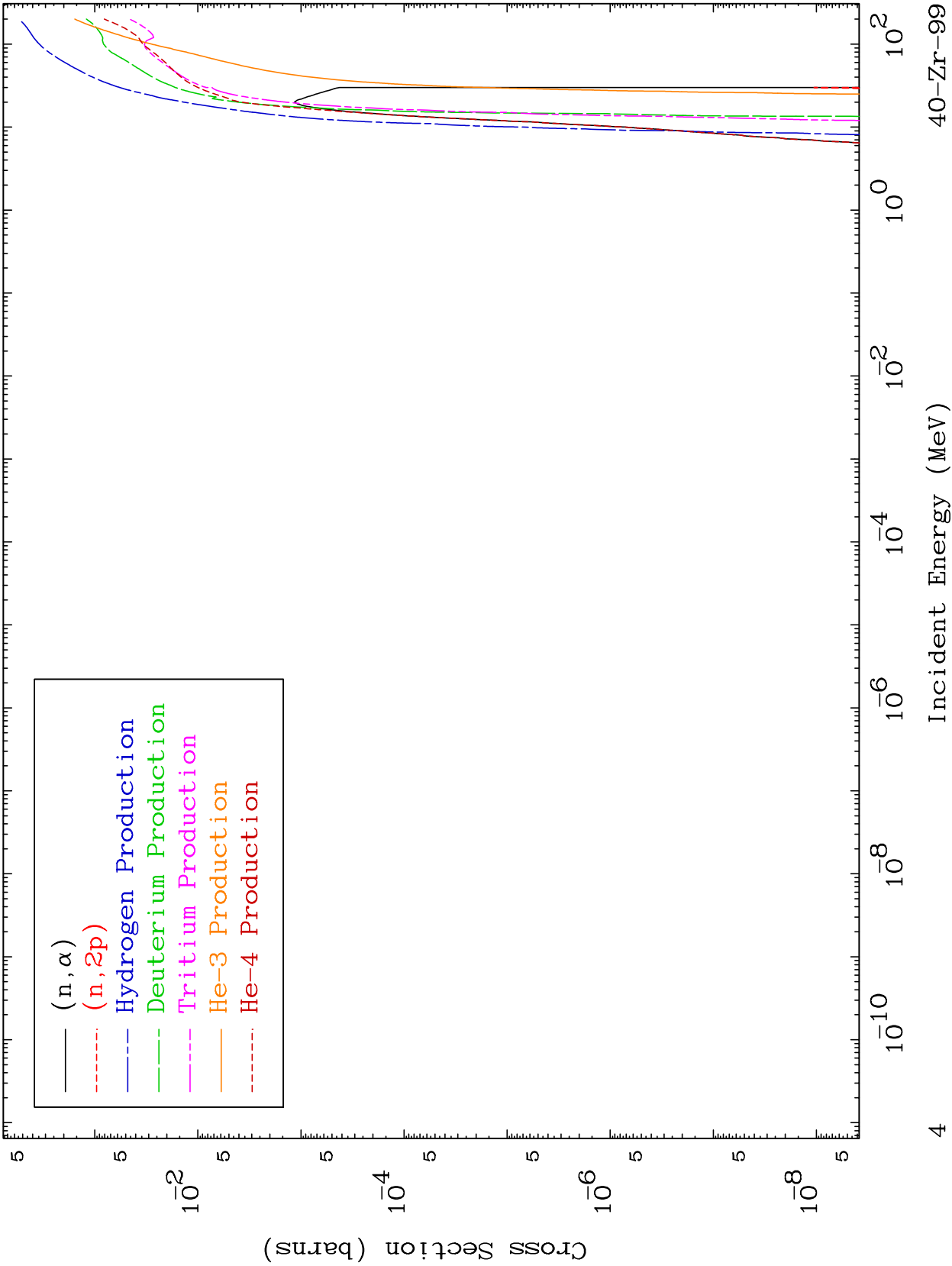
40-Zr-99

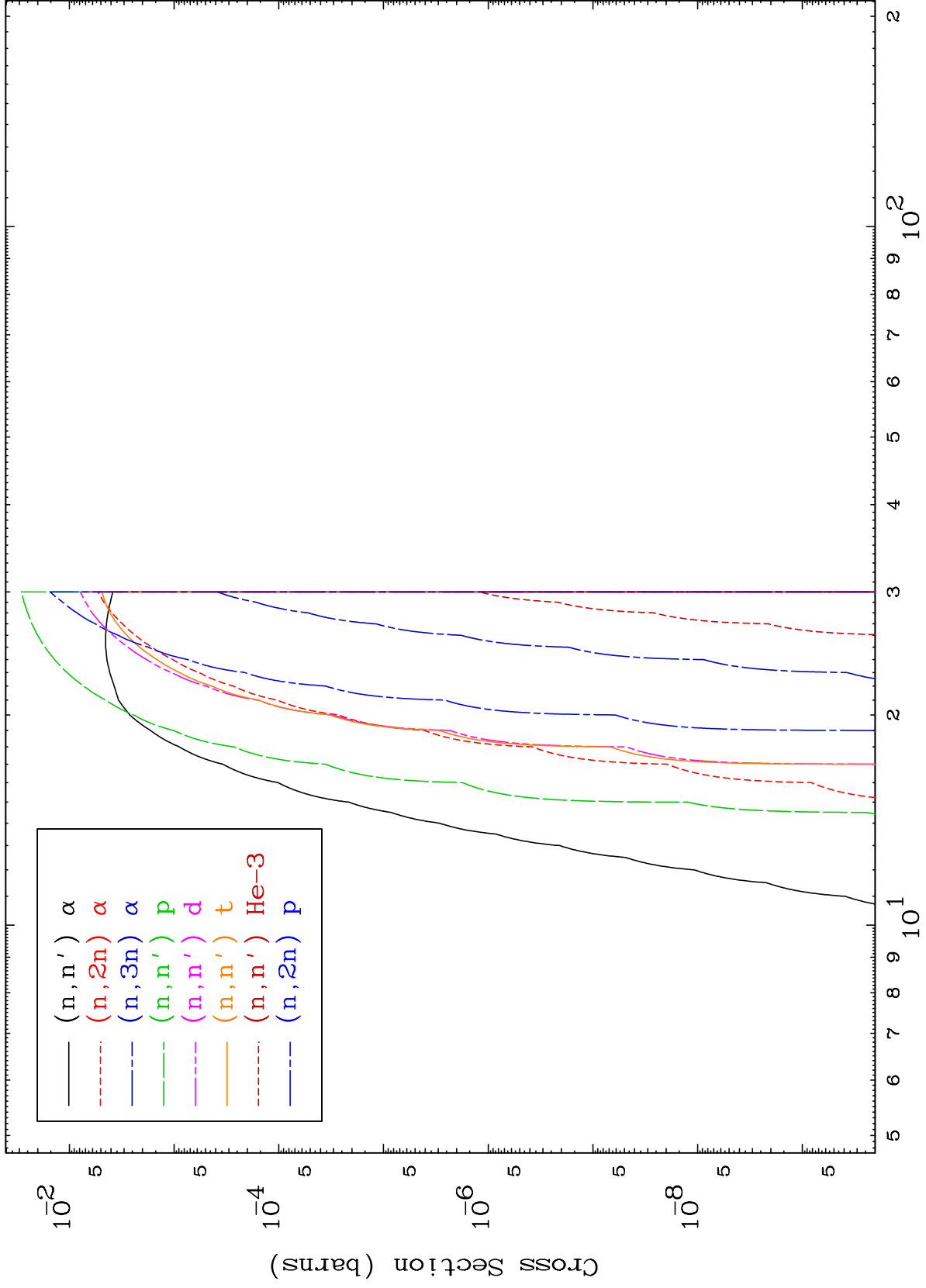


MAT 4052

Neutron Absorption  
293 Kelvin Cross Sections

40-Zr-99

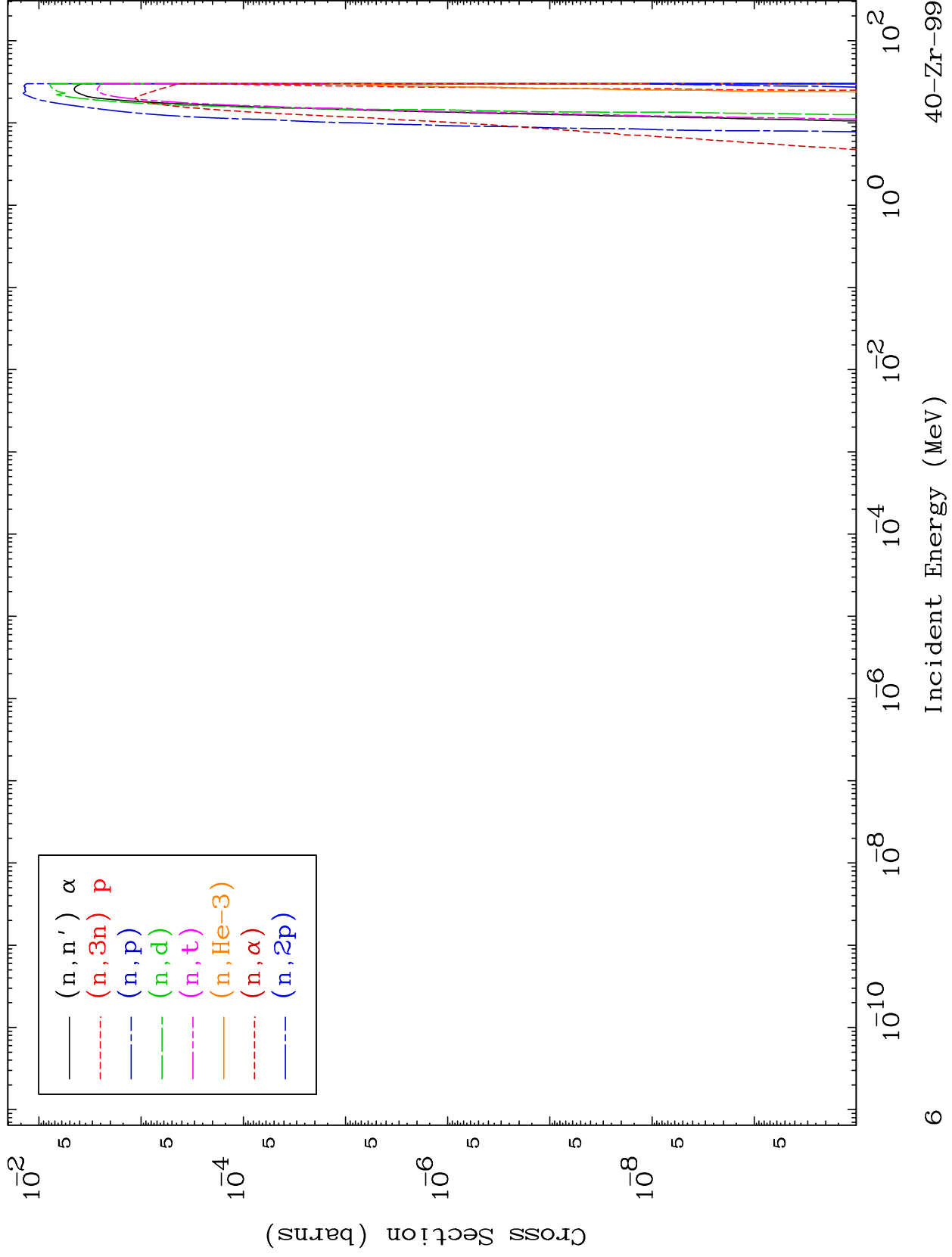




MAT 4052

Charged Particle  
293 Kelvin Cross Sections

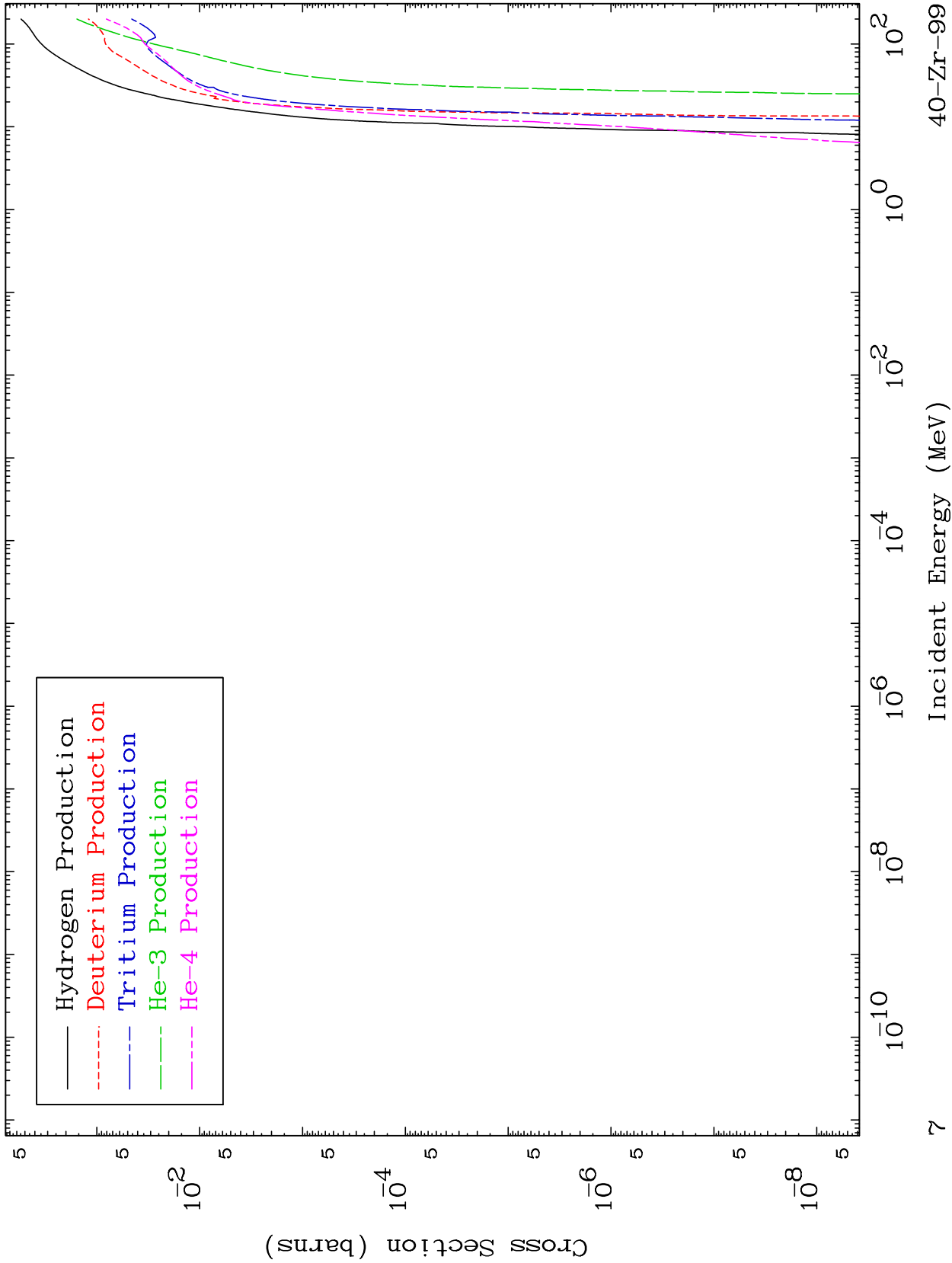
40-Zr-99



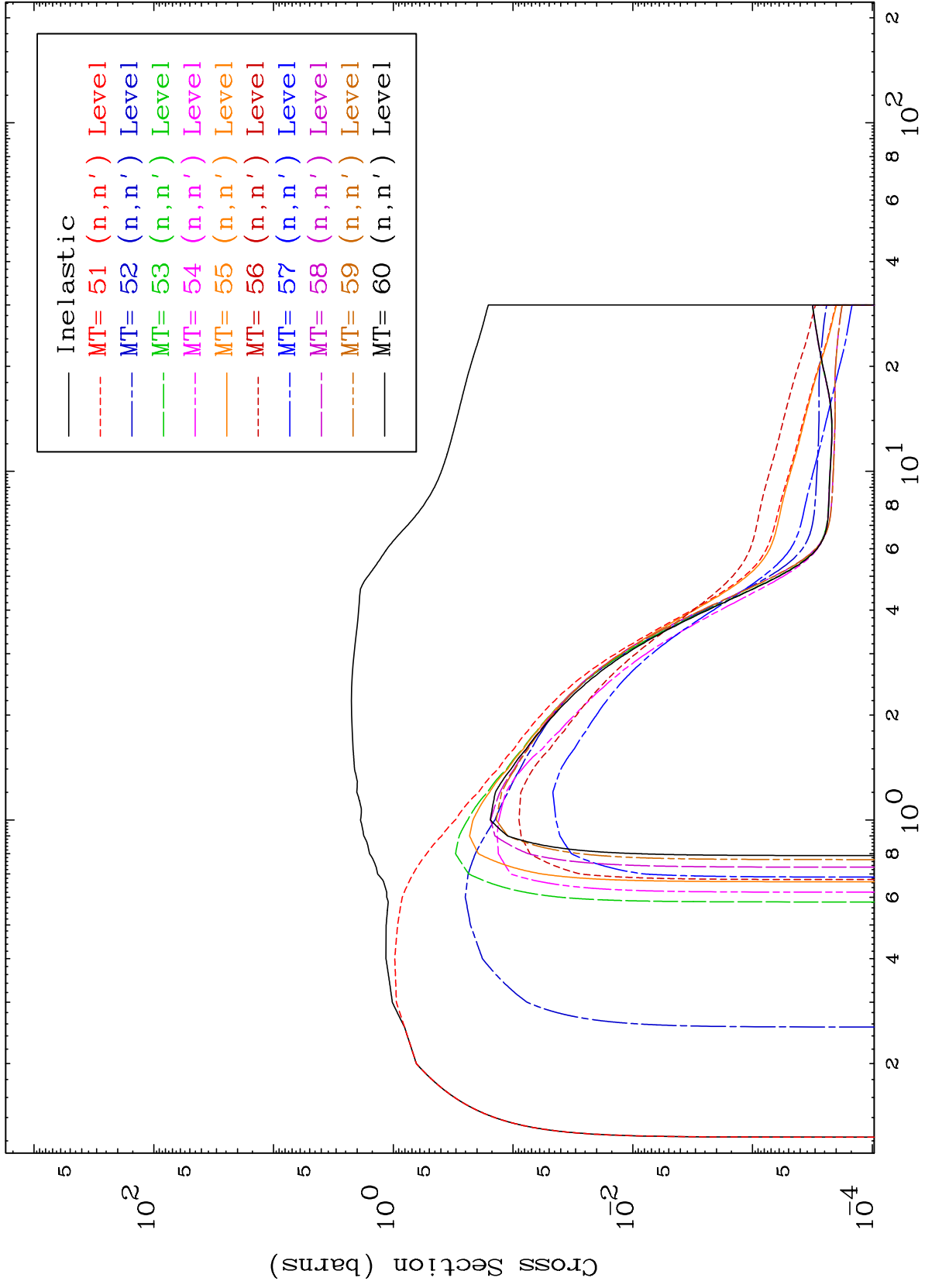
MAT 4052

Particle Production  
293 Kelvin Cross Sections

40-Zr-99





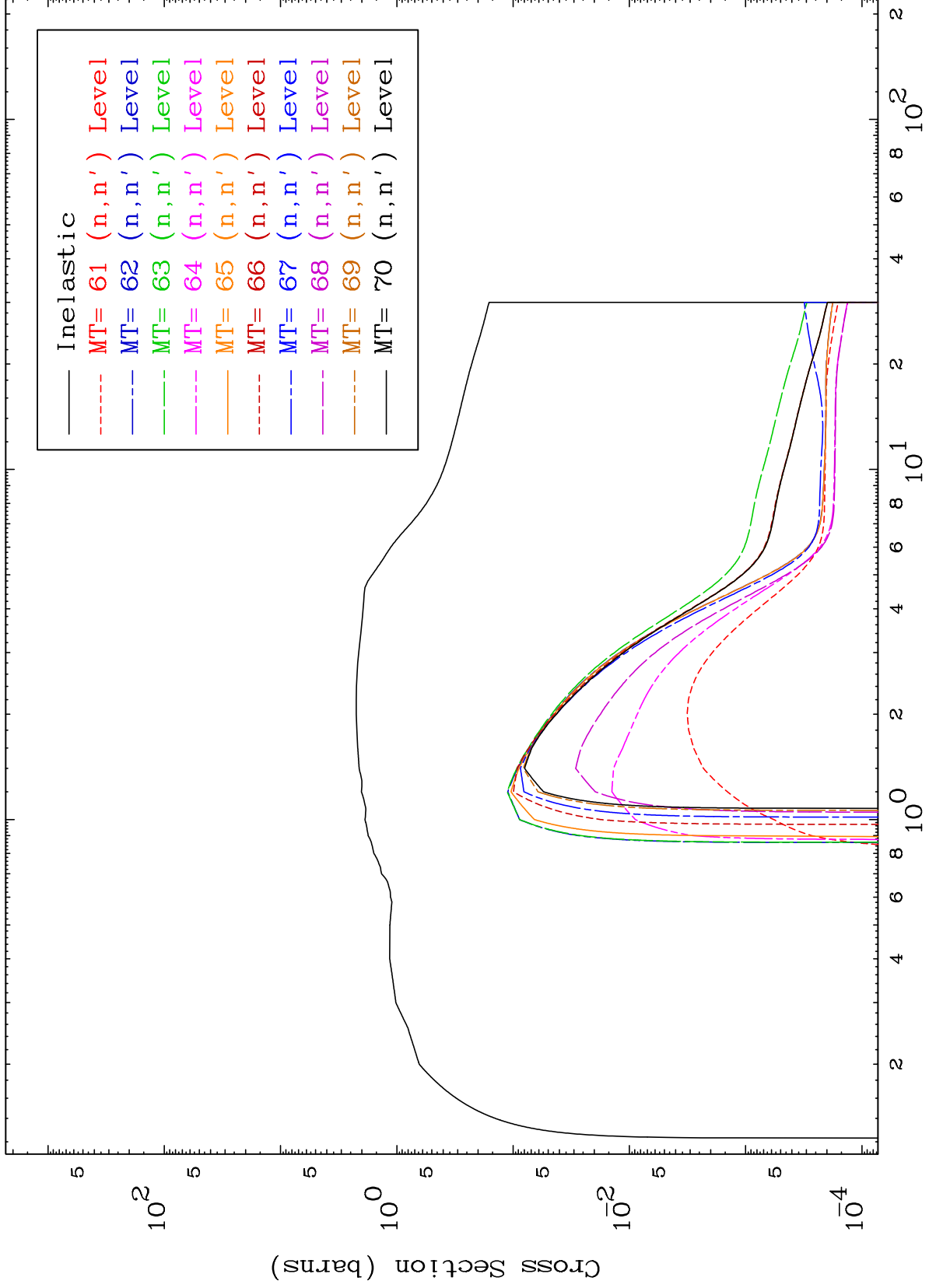


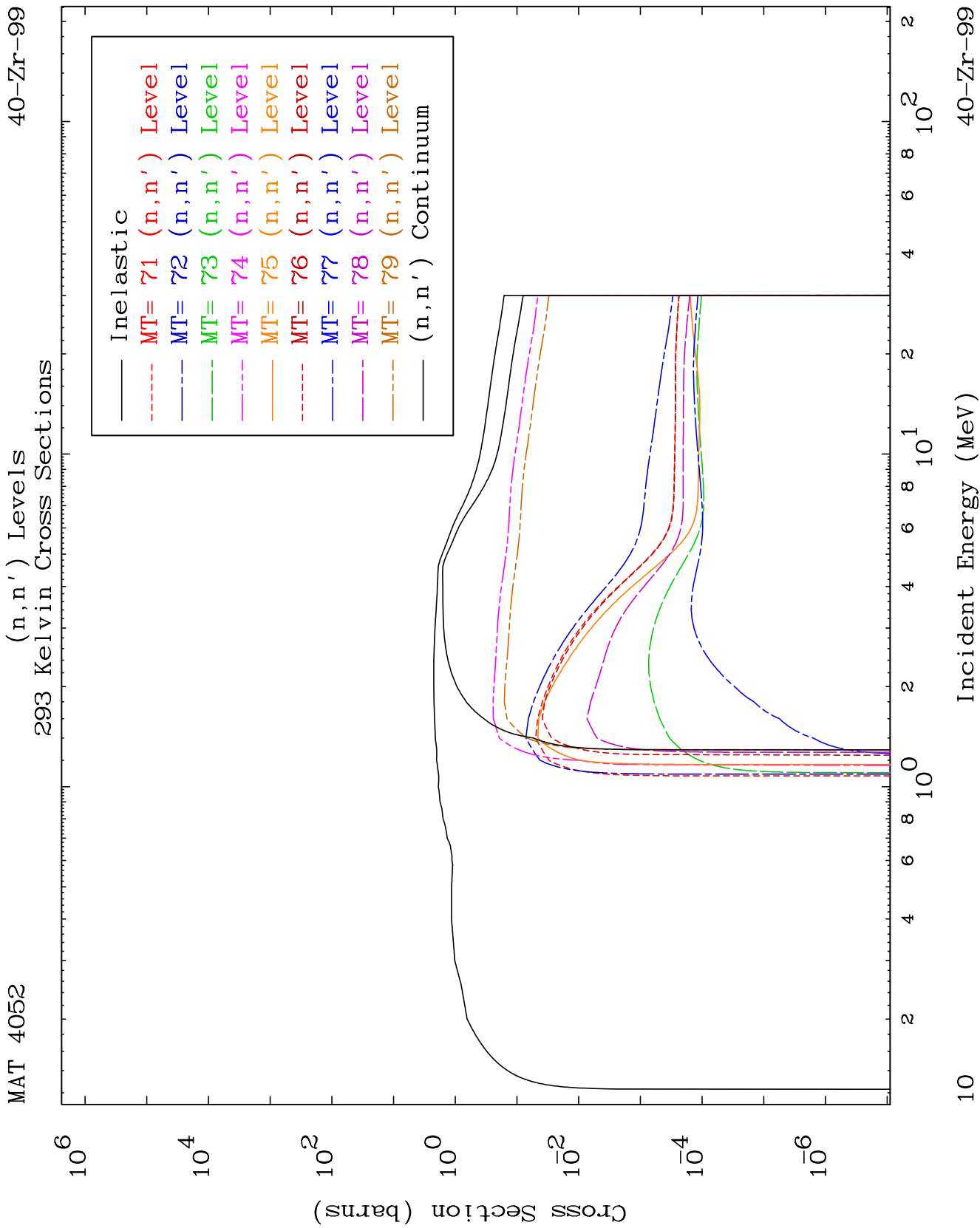
MAT 4052

(n,n') Levels

40-Zr-99

293 Kelvin Cross Sections

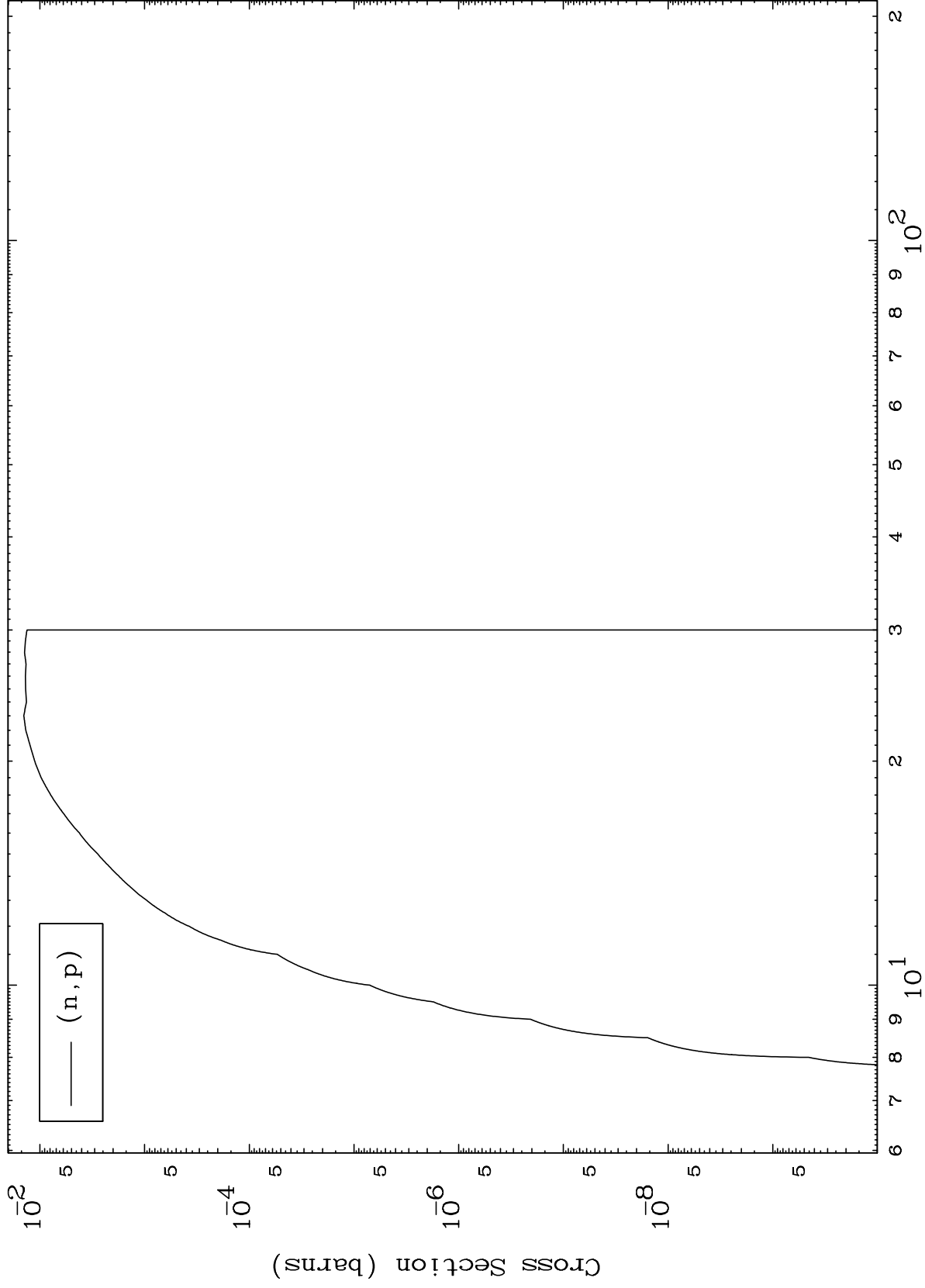




MAT 4052

(n,p) Levels  
293 Kelvin Cross Sections

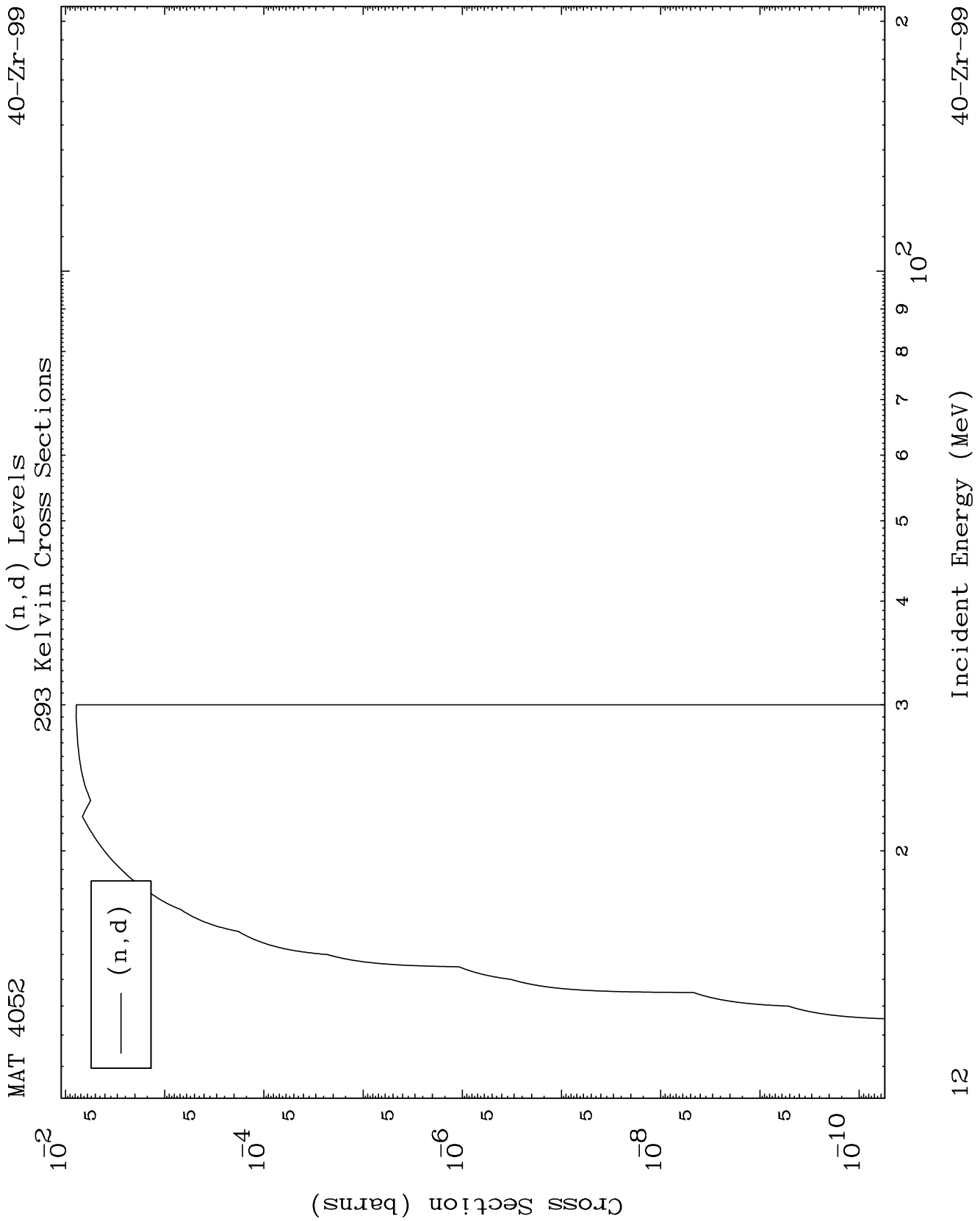
40-Zr-99



11

Incident Energy (MeV)

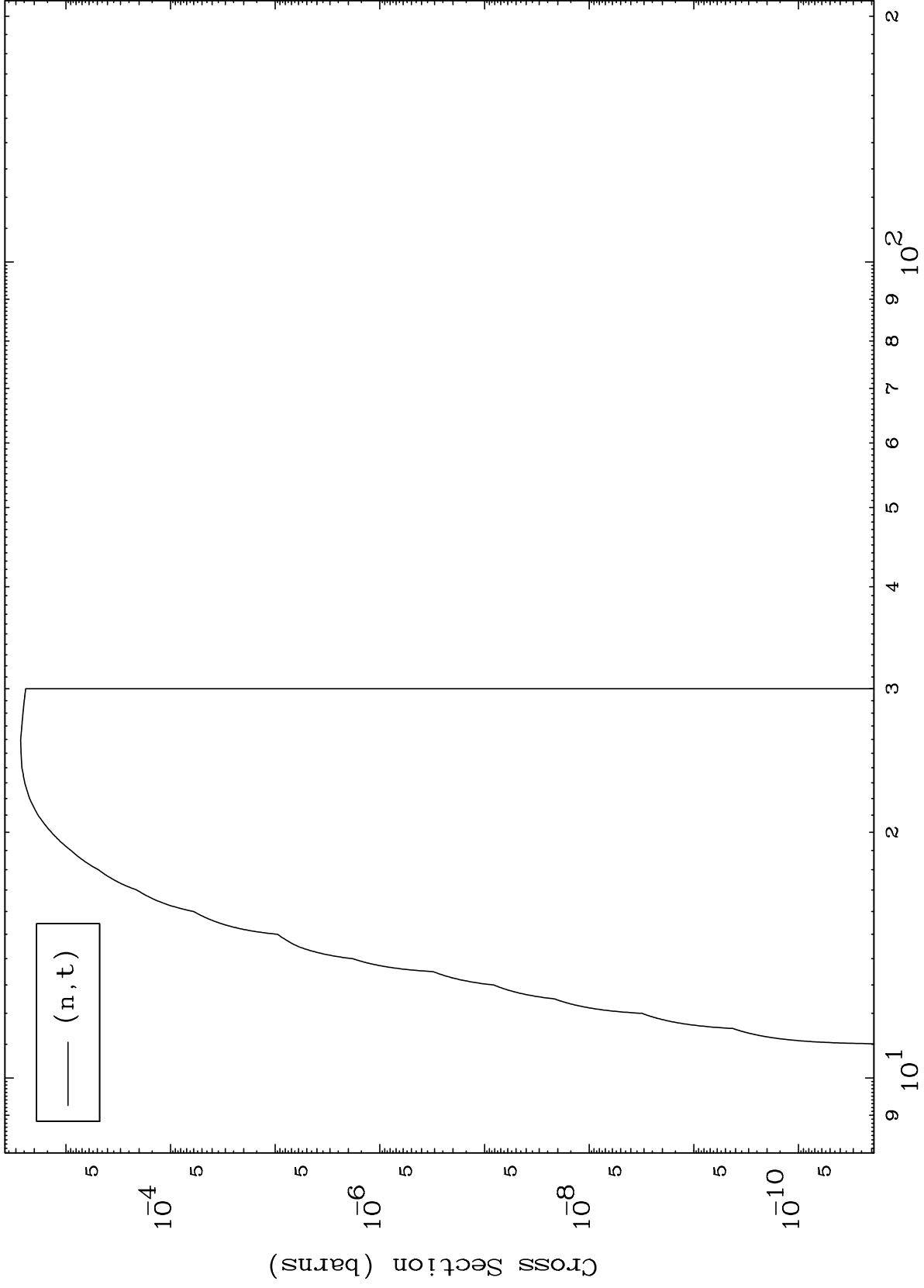
40-Zr-99



MAT 4052

(n,t) Levels  
293 Kelvin Cross Sections

40-Zr-99



13

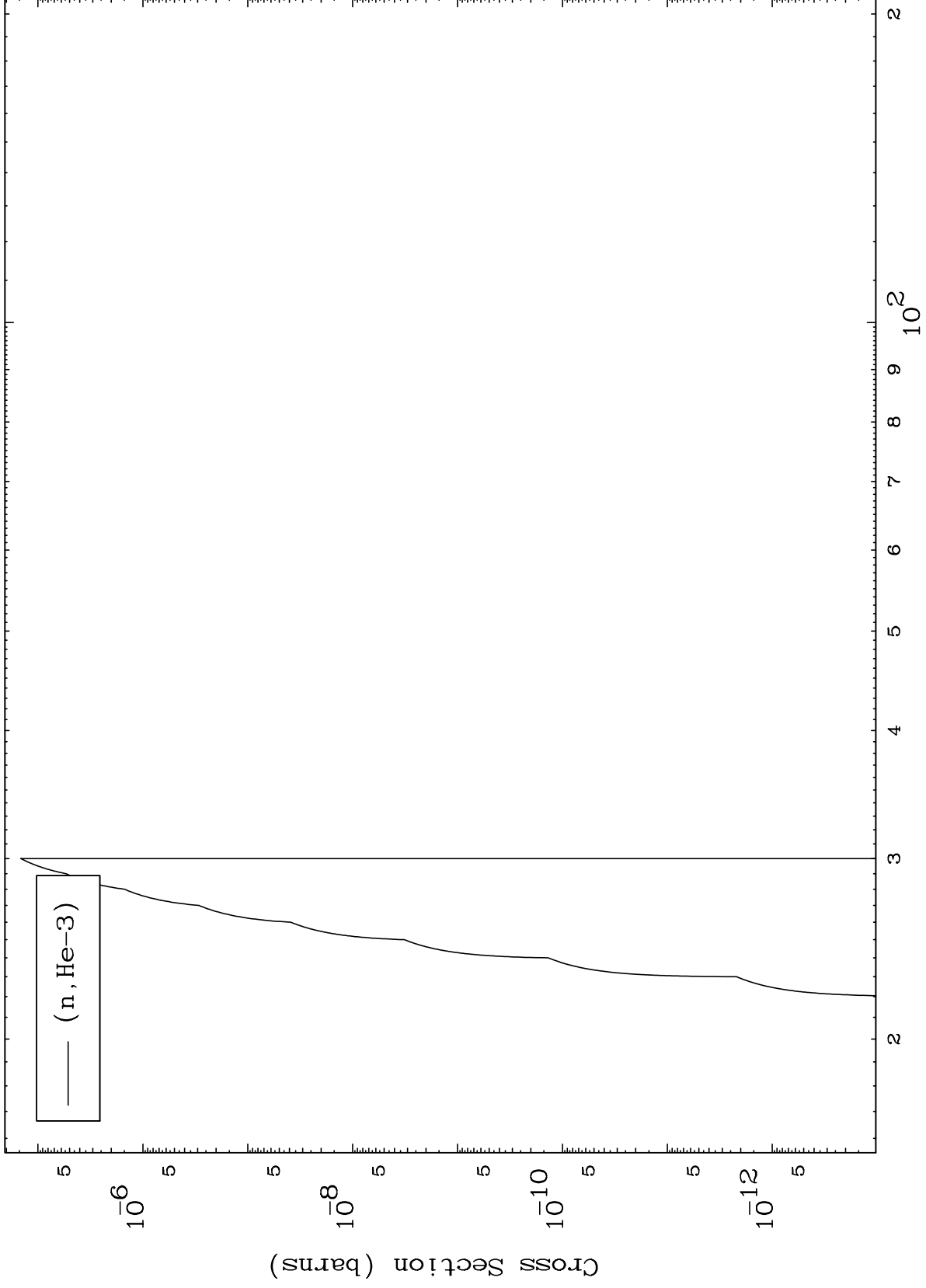
Incident Energy (MeV)

40-Zr-99

MAT 4052

(n,He3) Levels  
293 Kelvin Cross Sections

40-Zr-99



14

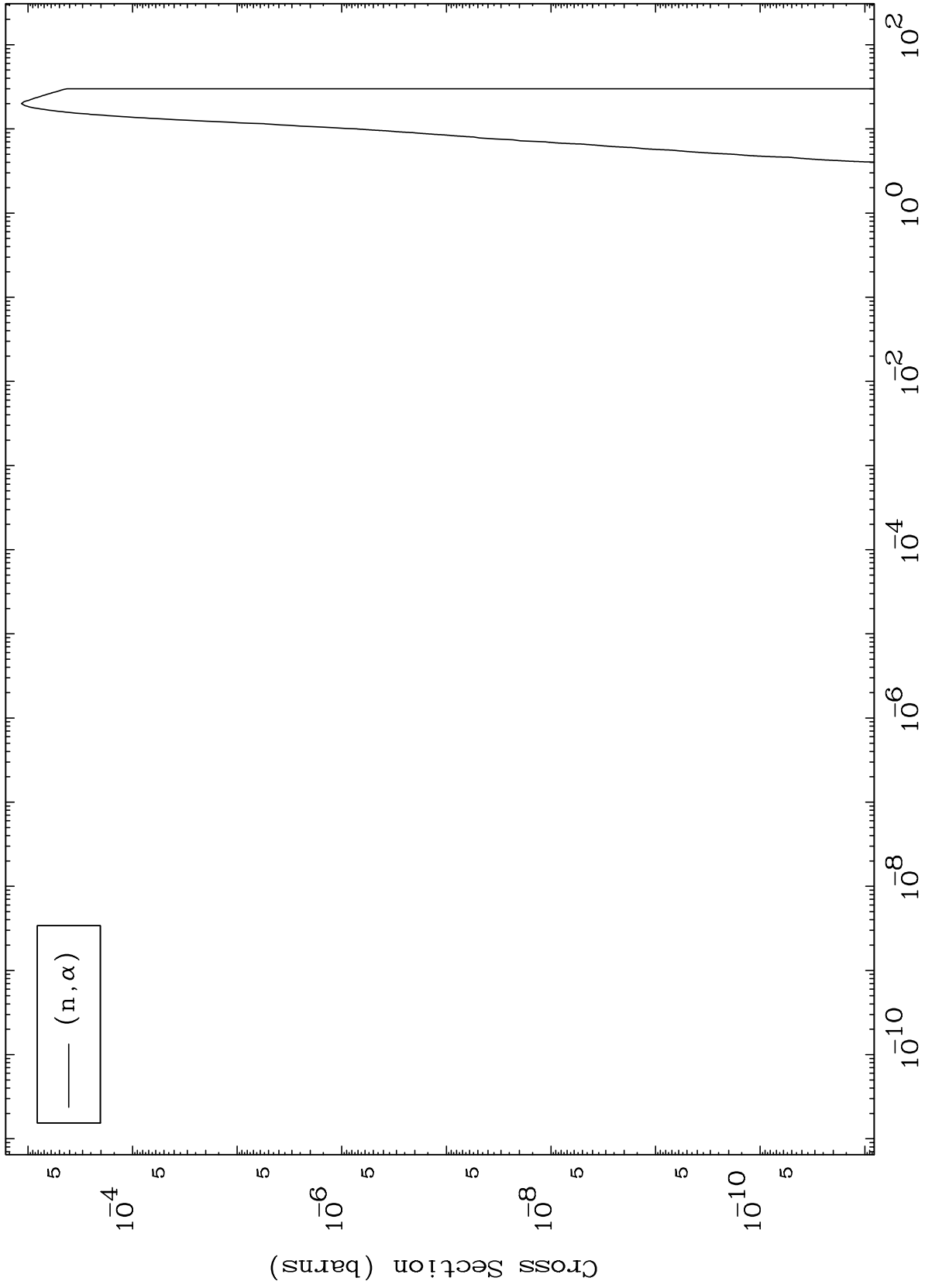
Incident Energy (MeV)

40-Zr-99

MAT 4052

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

40-Zr-99



15

Incident Energy (MeV)

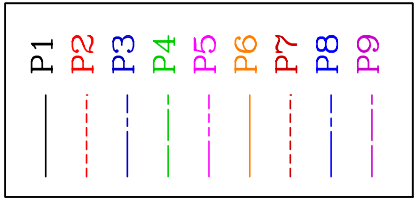
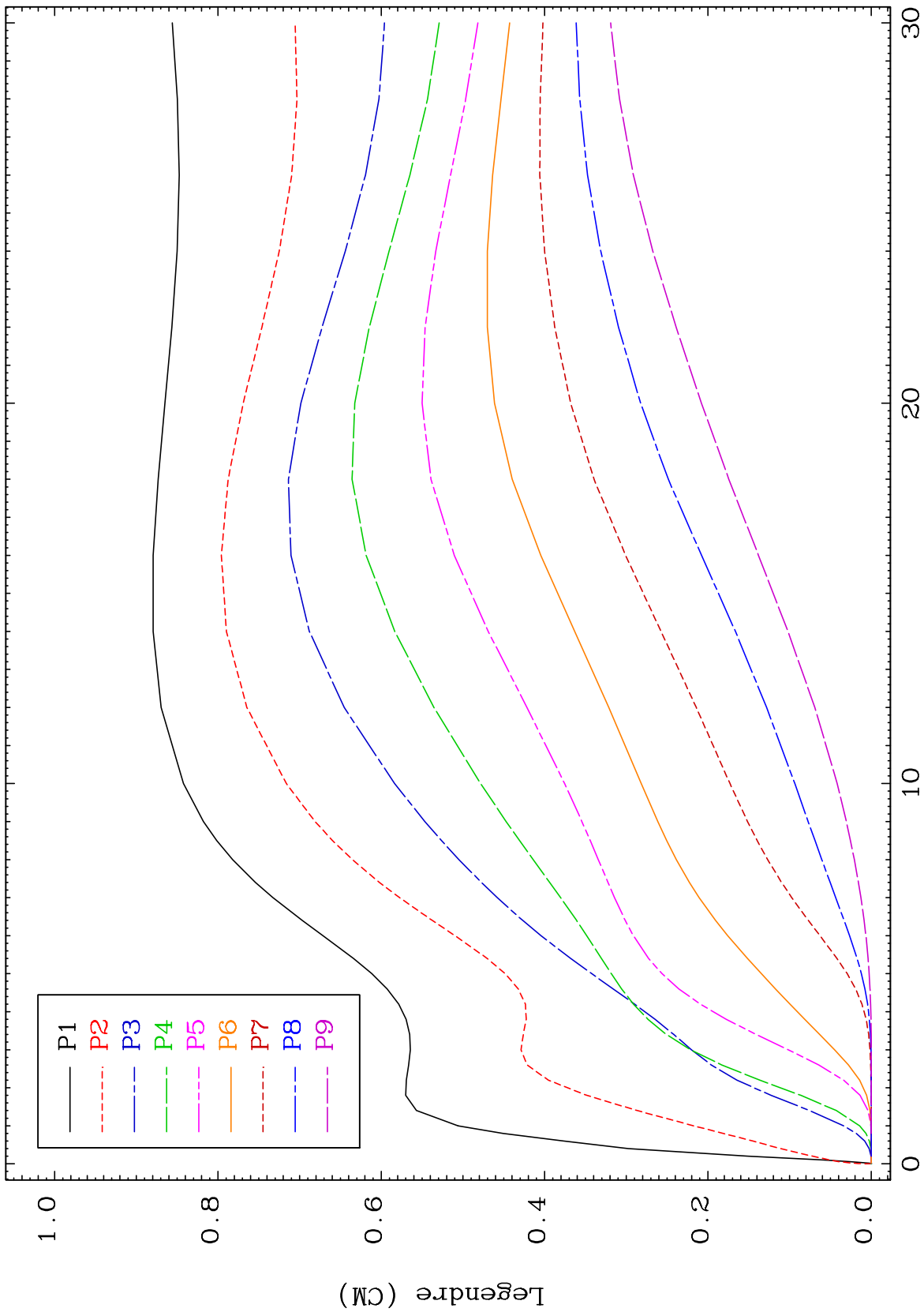
40-Zr-99



MAT 4052

Elastic Legendre Coefficients

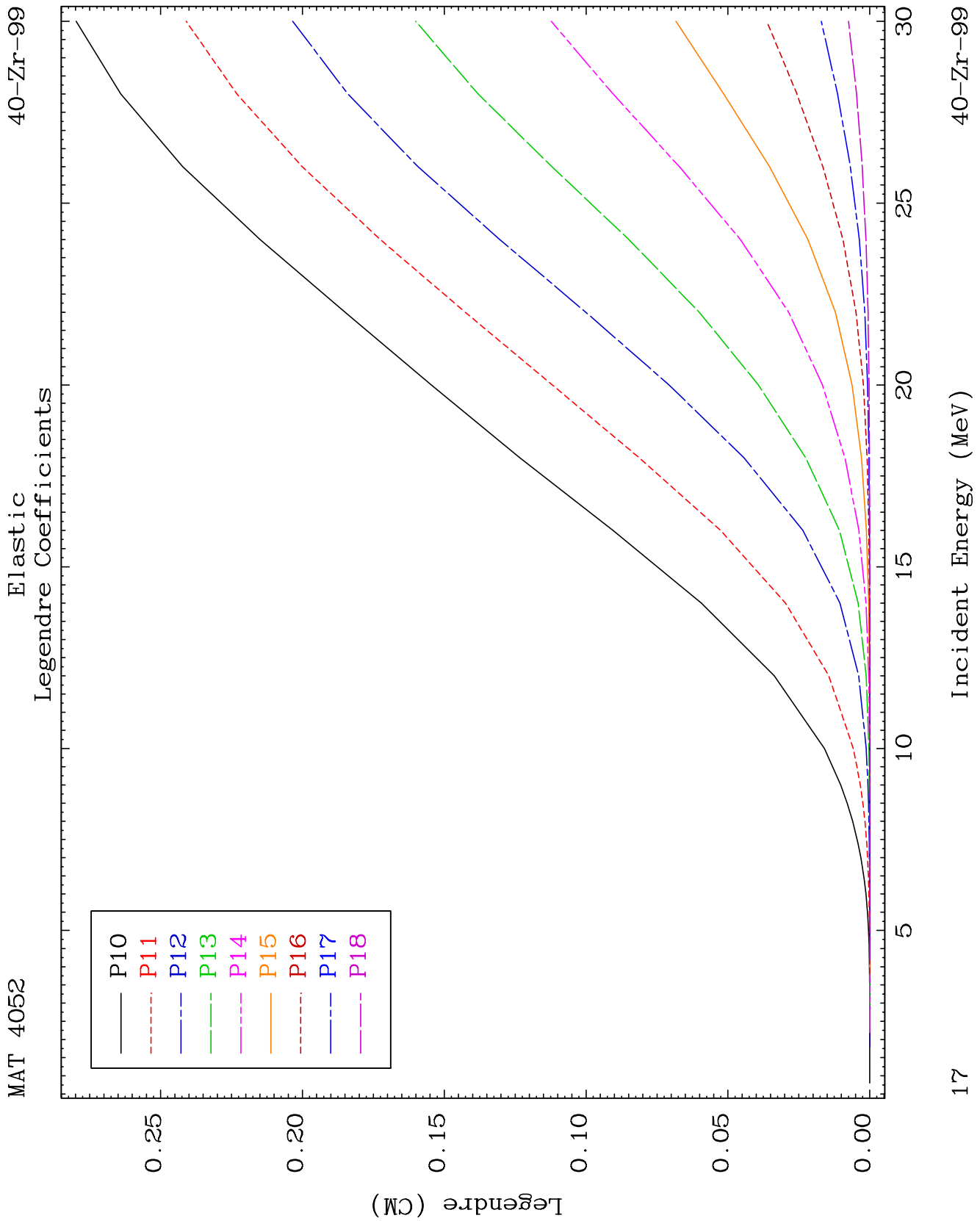
40-Zr-99



16

Incident Energy (MeV)

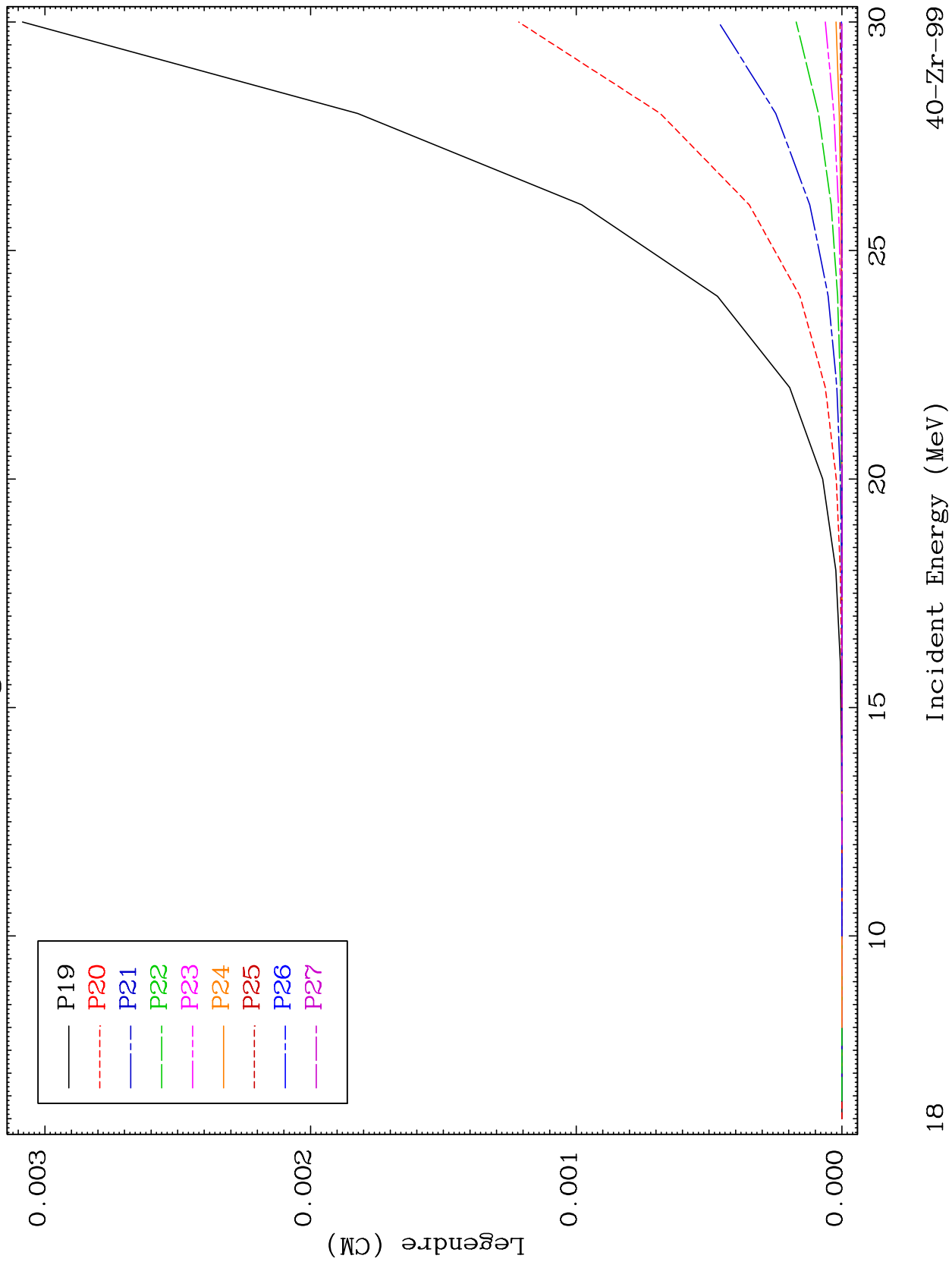
40-Zr-99



MAT 4052

### Elastic Legendre Coefficients

40-Zr-99



18

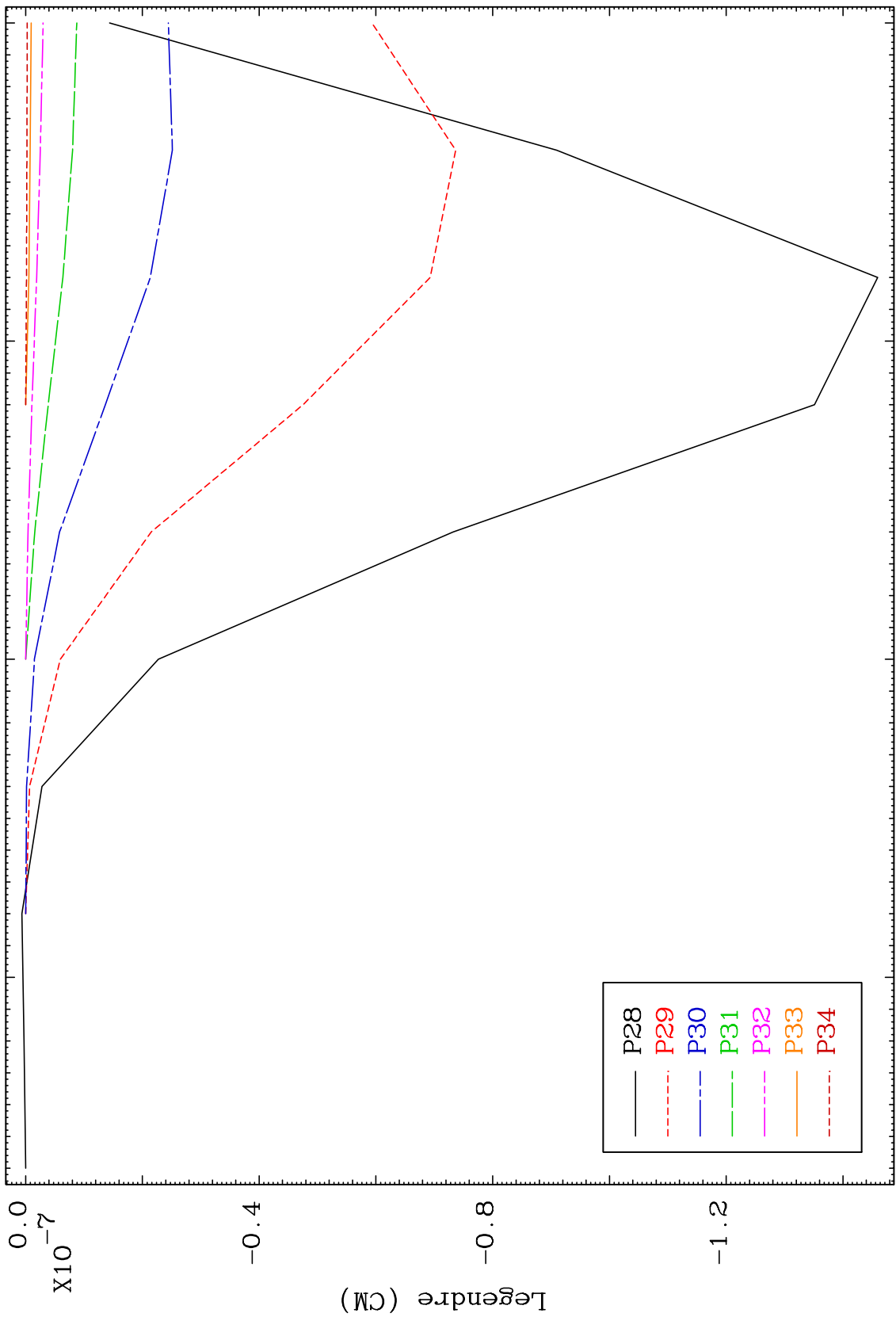
Incident Energy (MeV)

40-Zr-99

MAT 4052

40-Zr-99

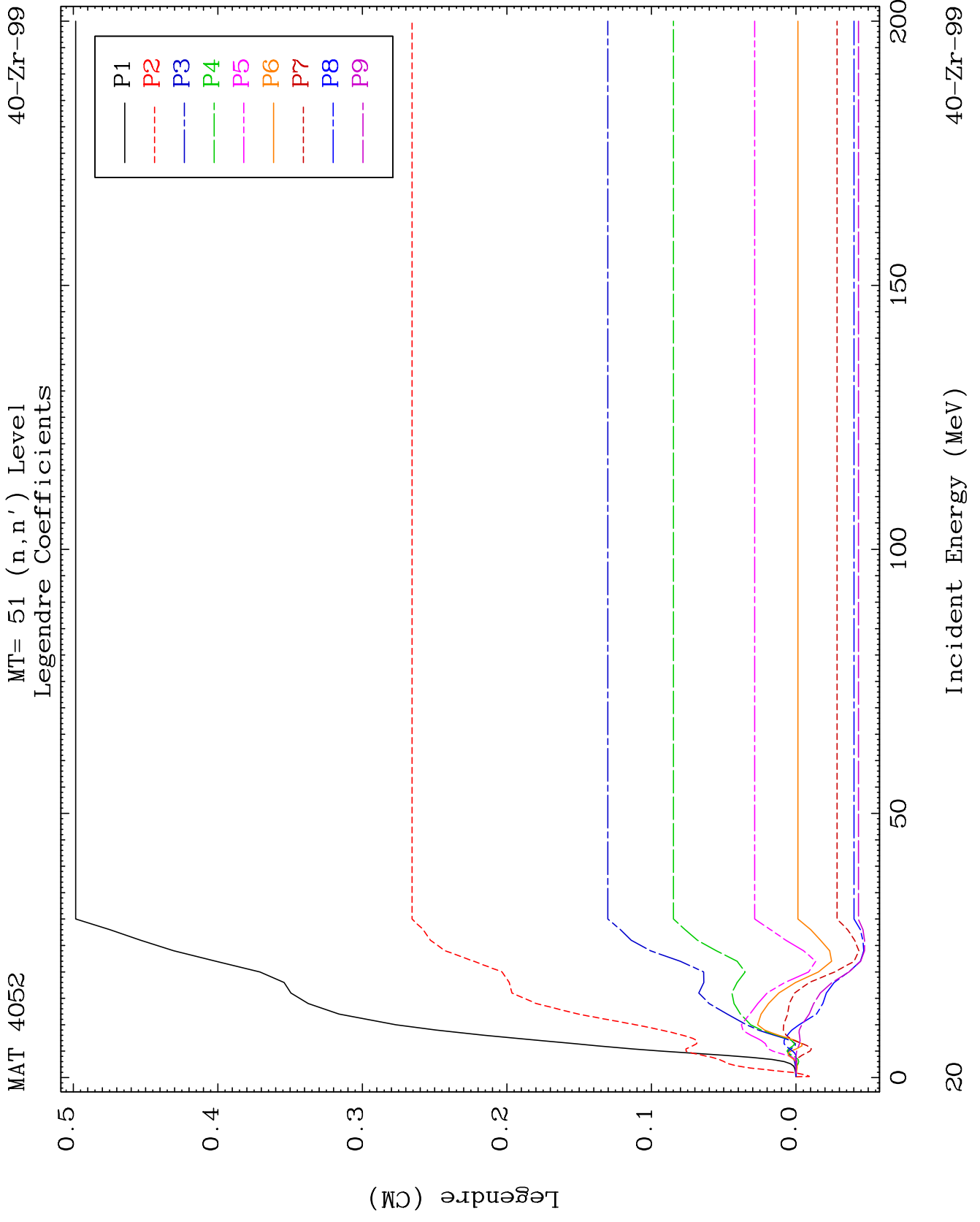
Elastic Legendre Coefficients

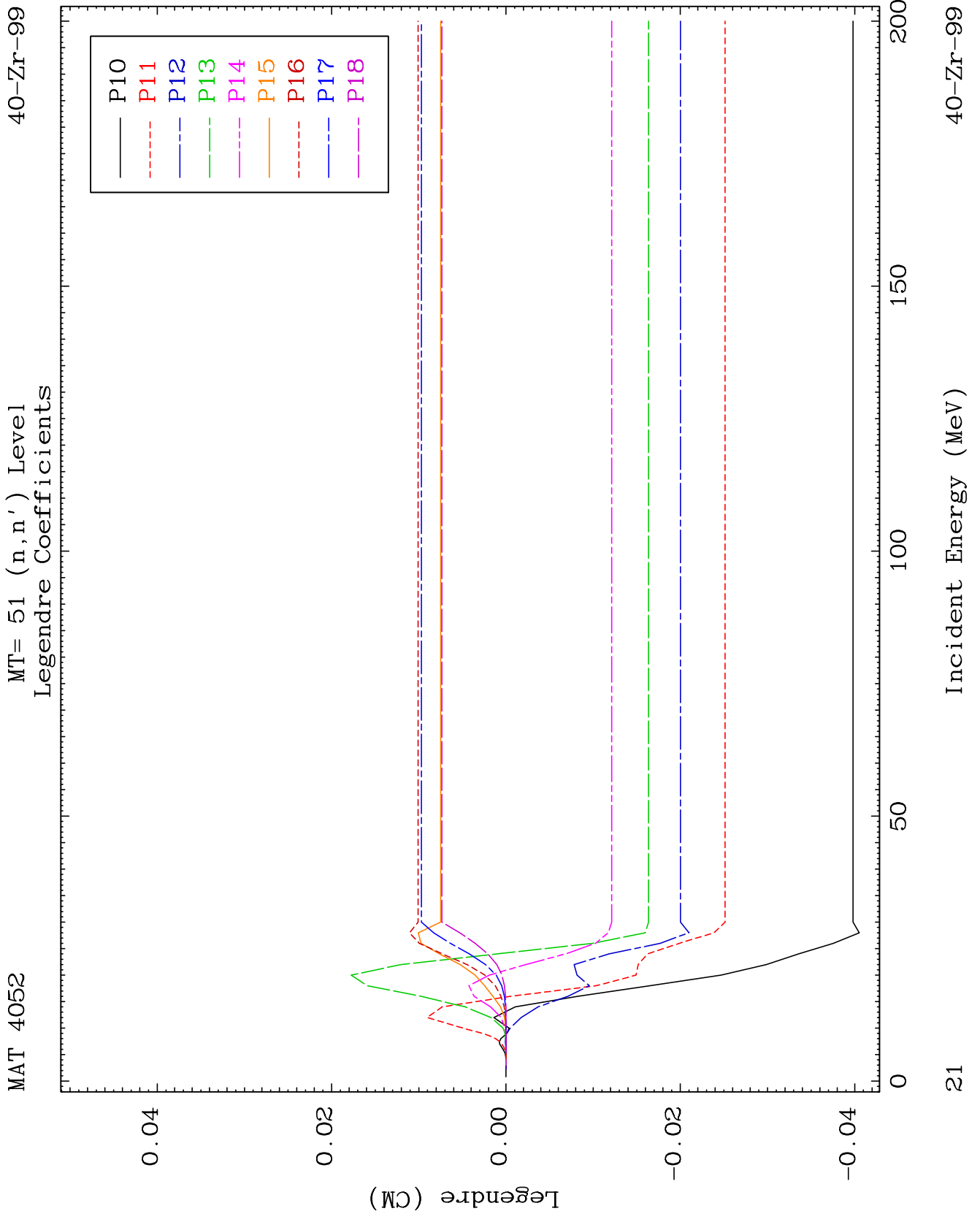


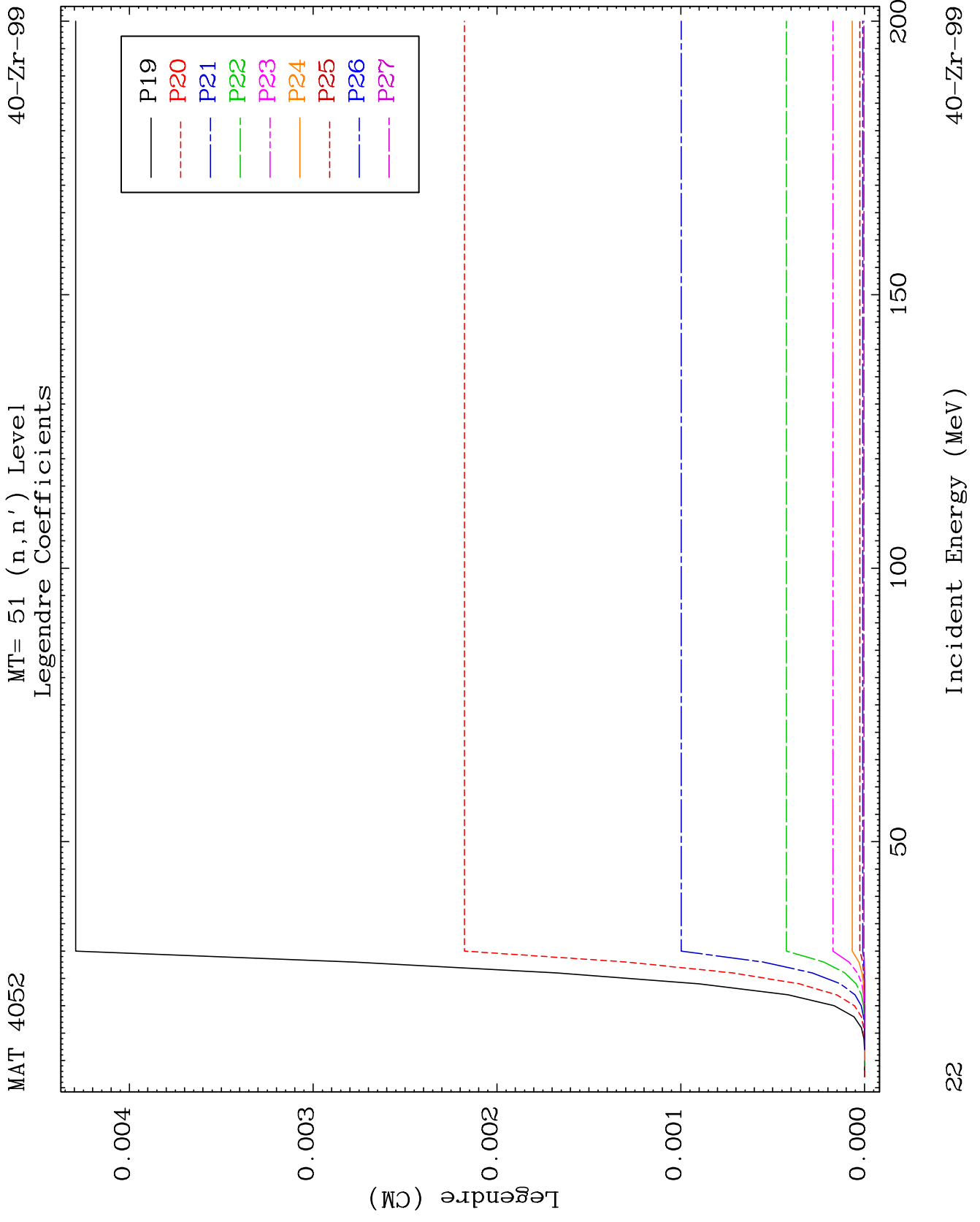
19

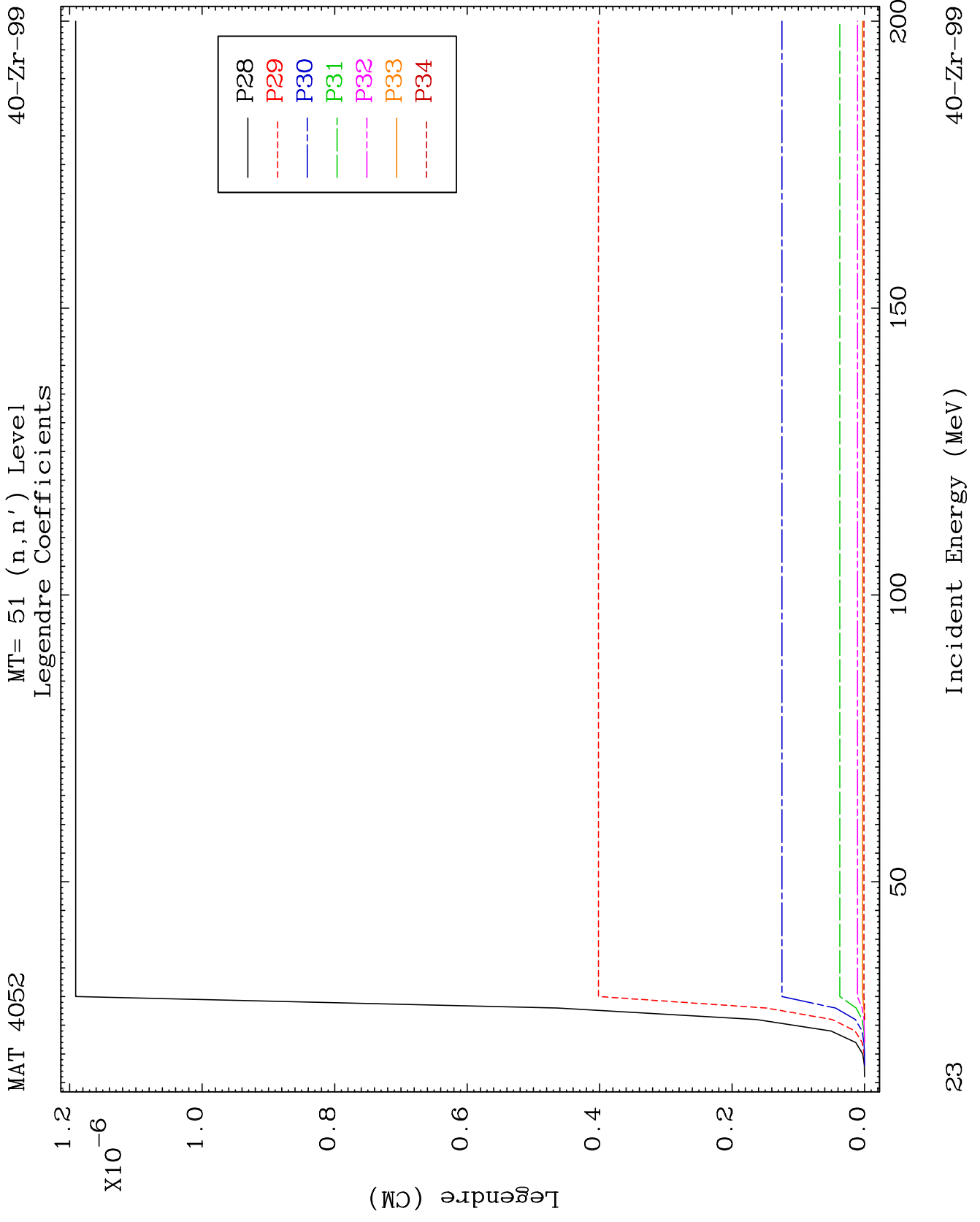
Incident Energy (MeV)

40-Zr-99

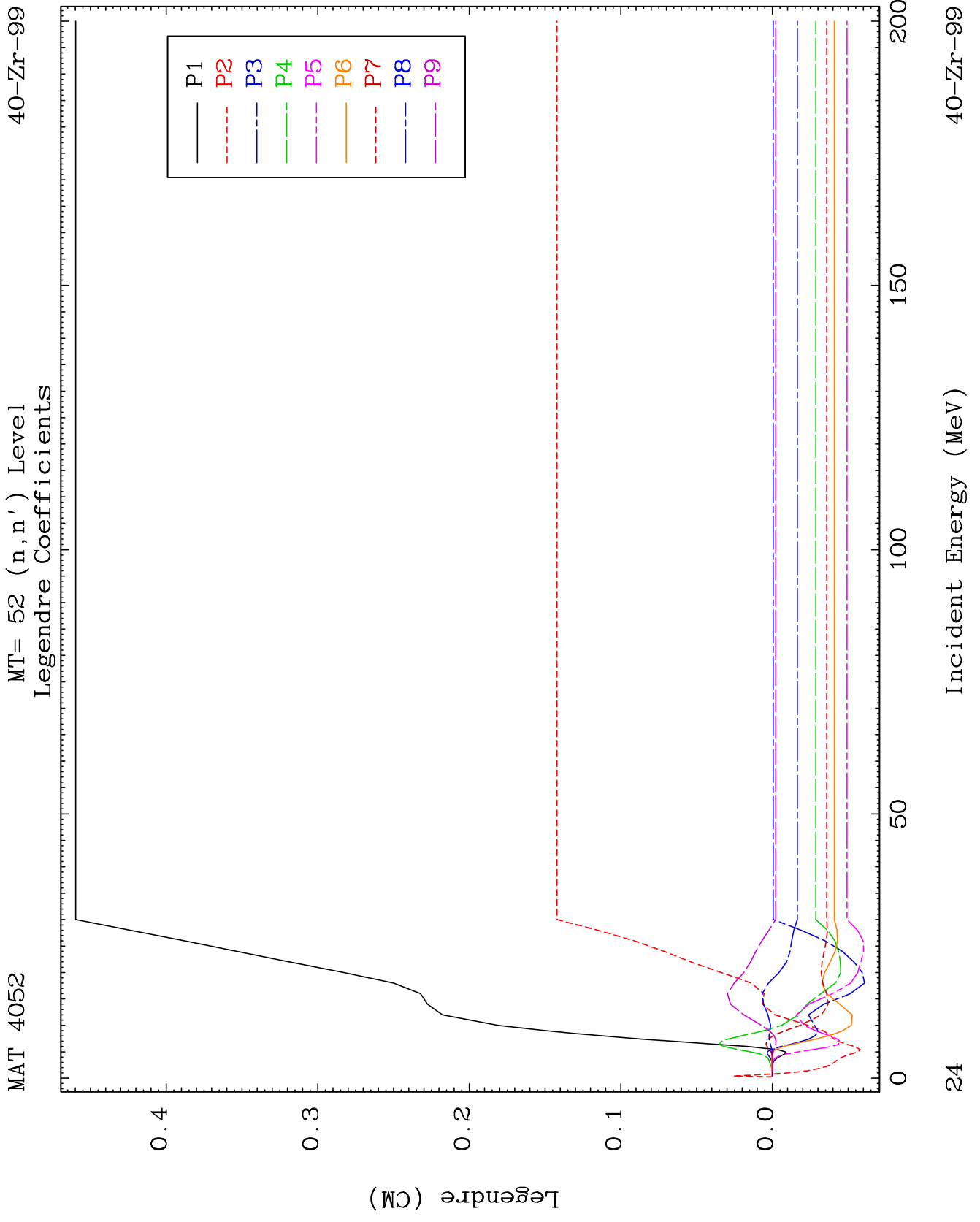


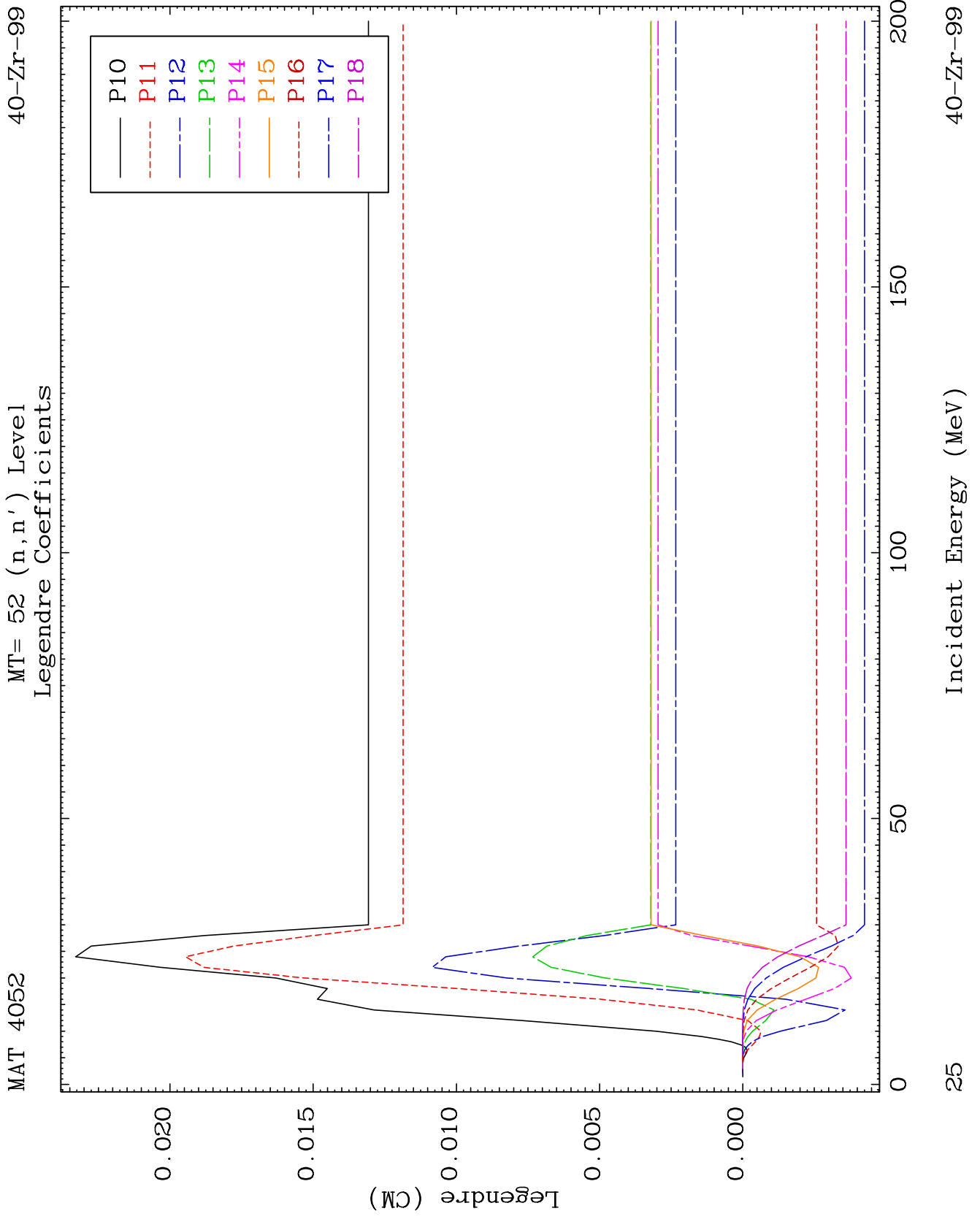


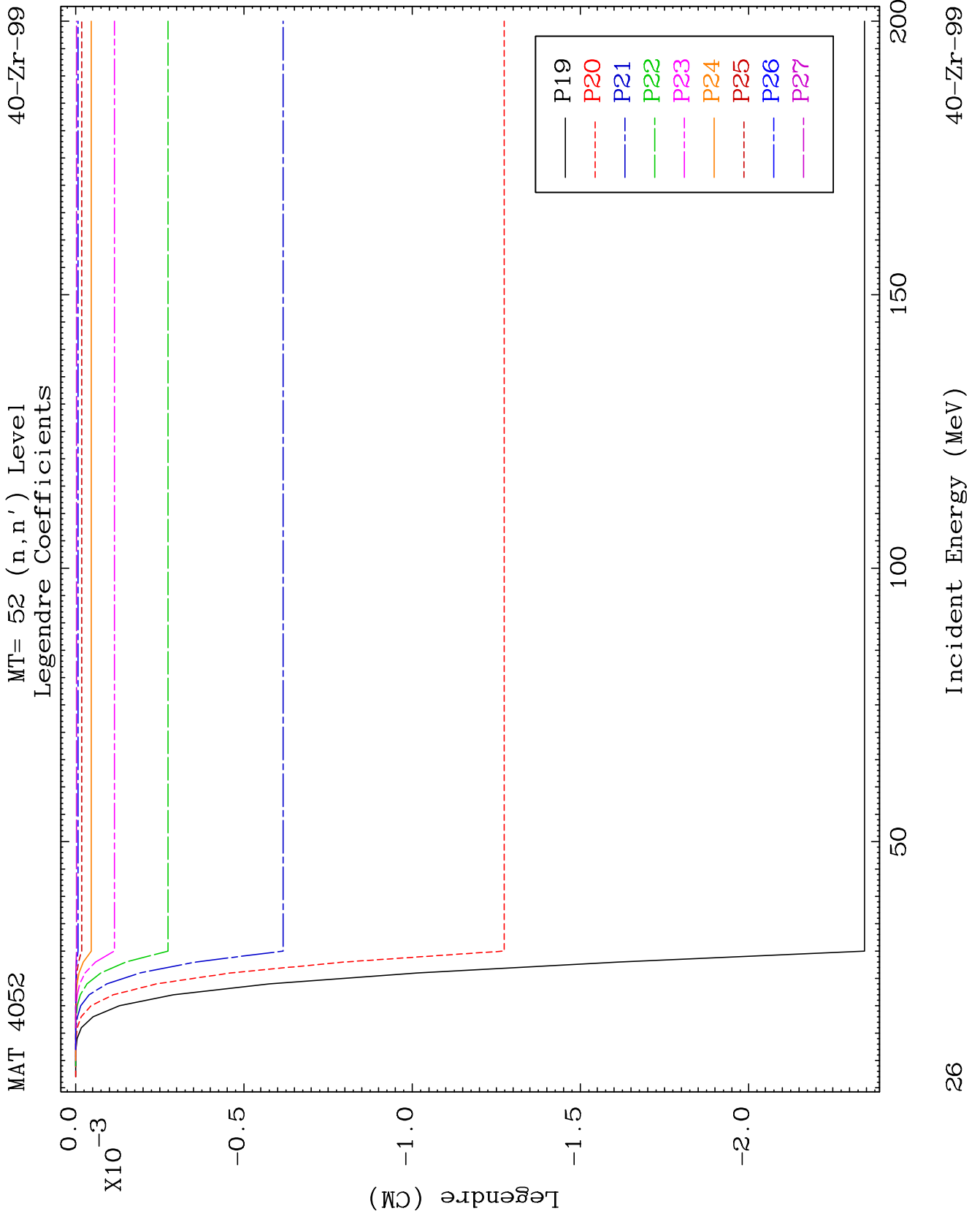


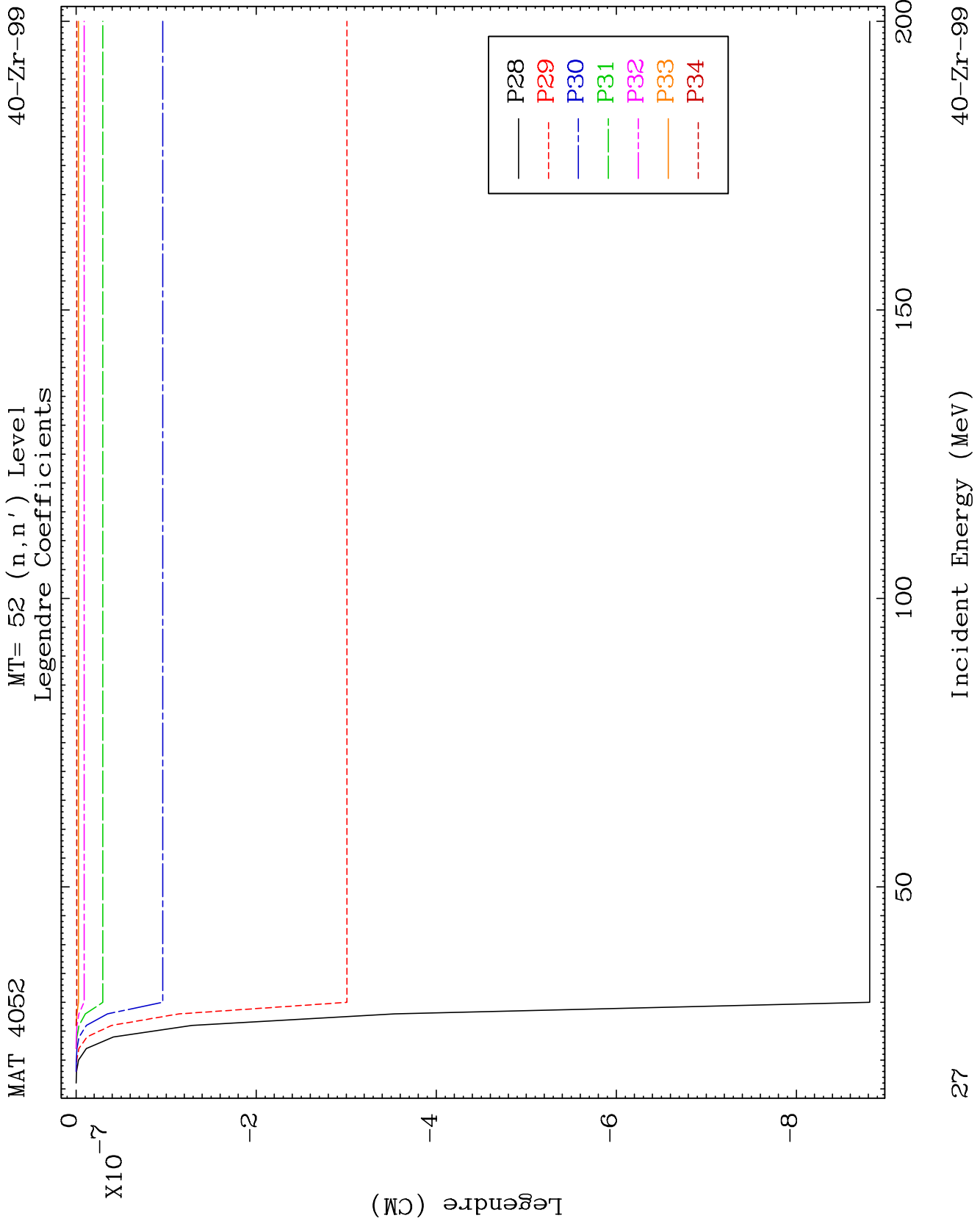








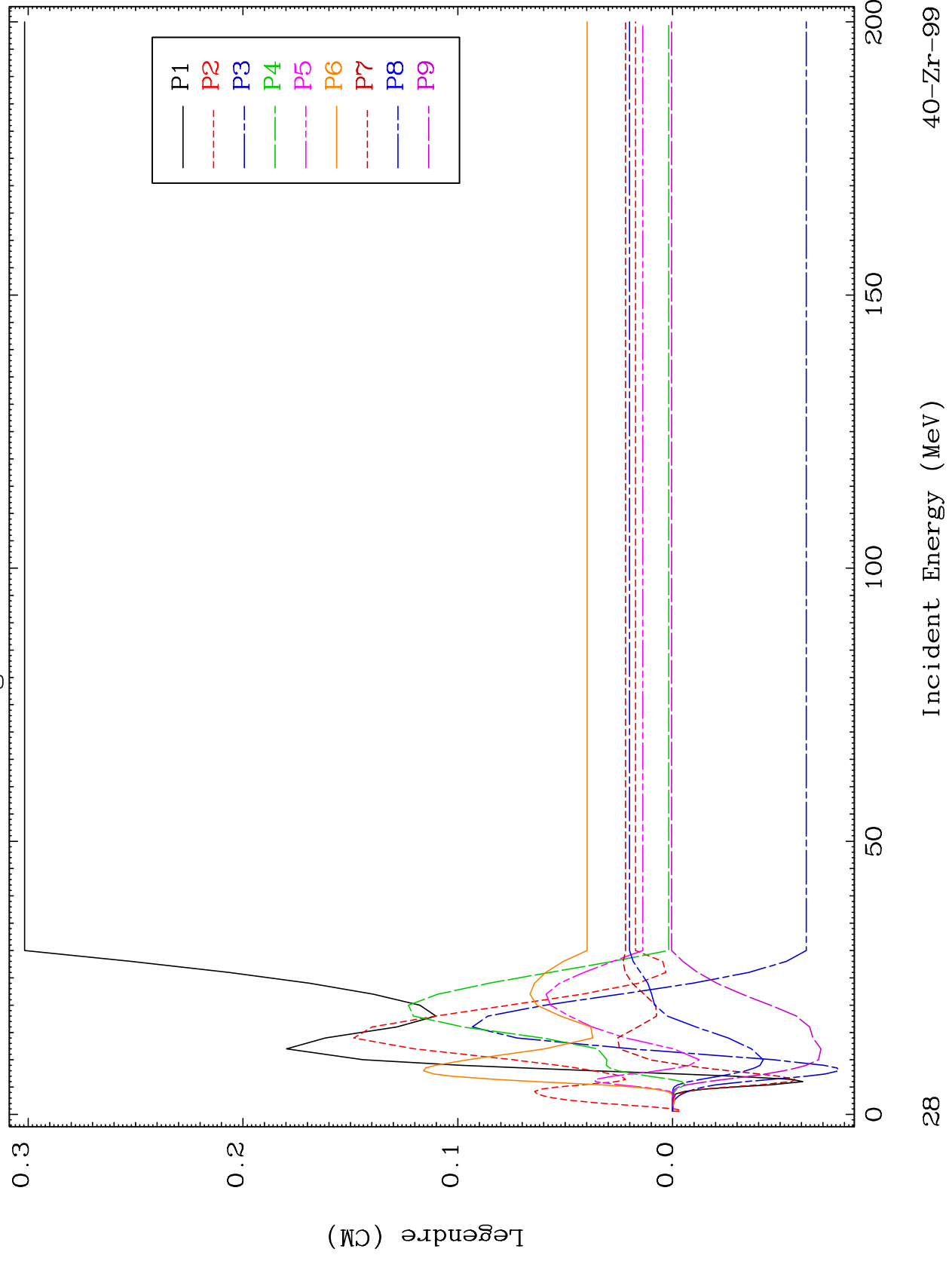




MAT 4052

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

40-Zr-99



40-Zr-99

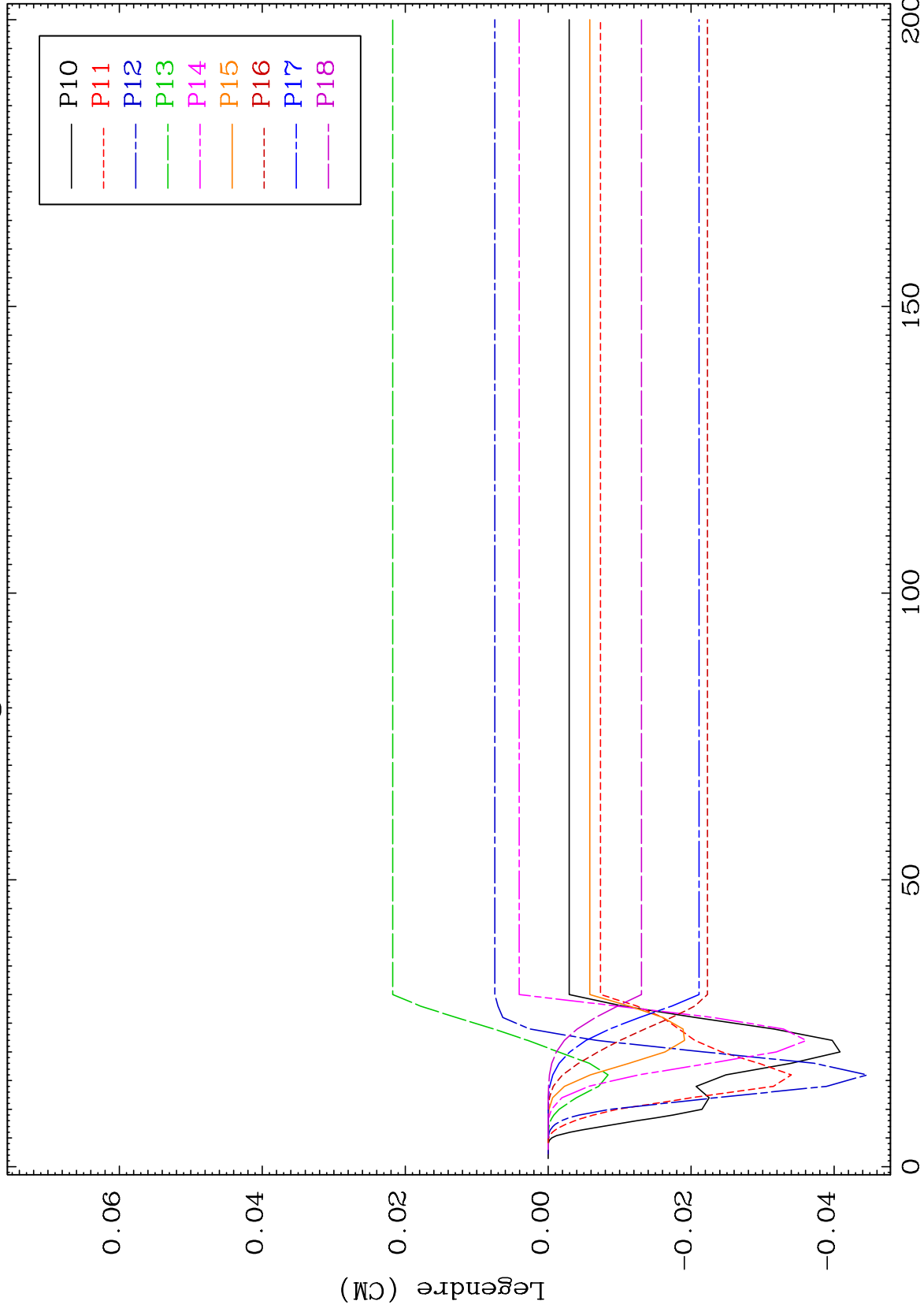
Incident Energy (MeV)

28

MAT 4052

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

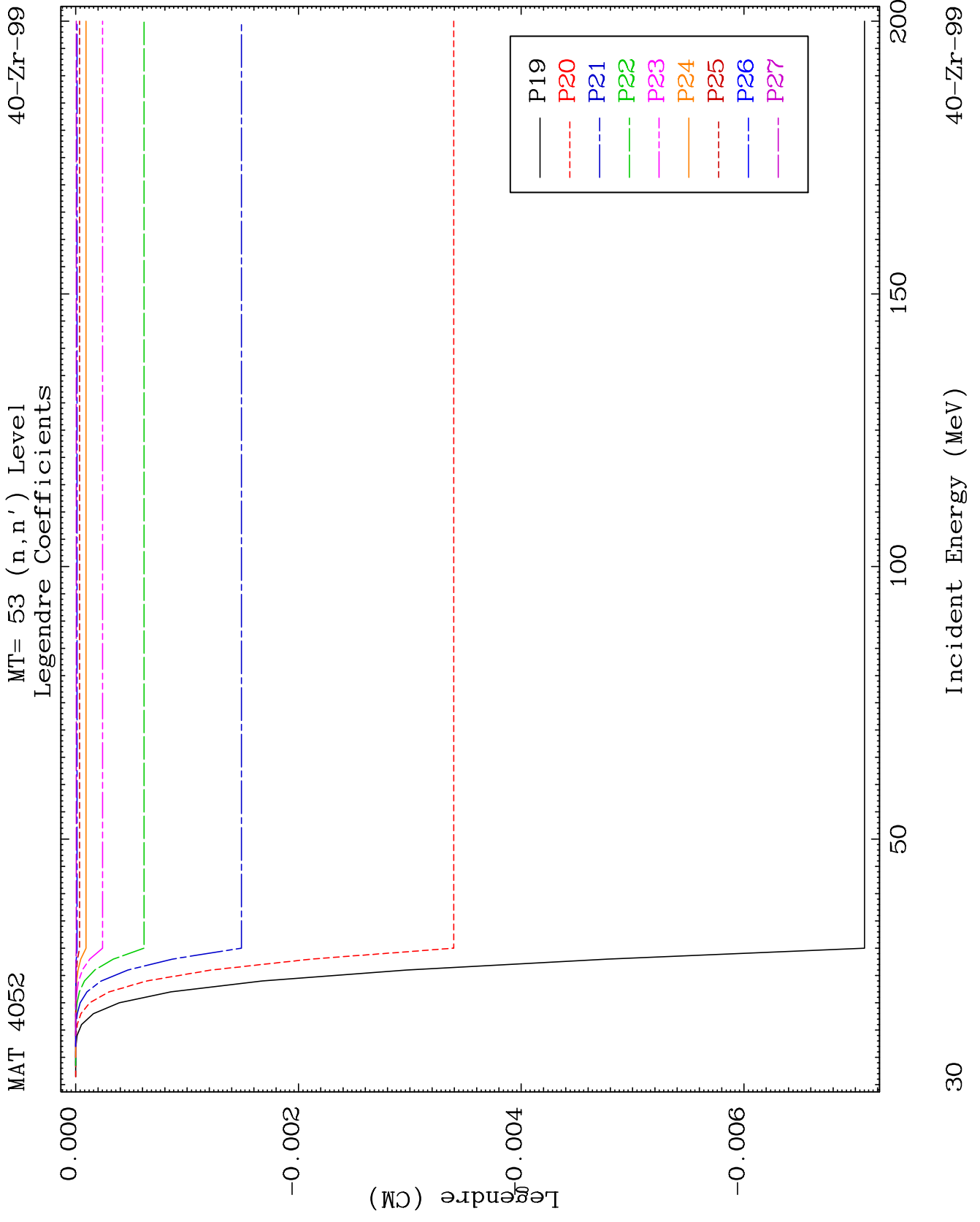
40-Zr-99

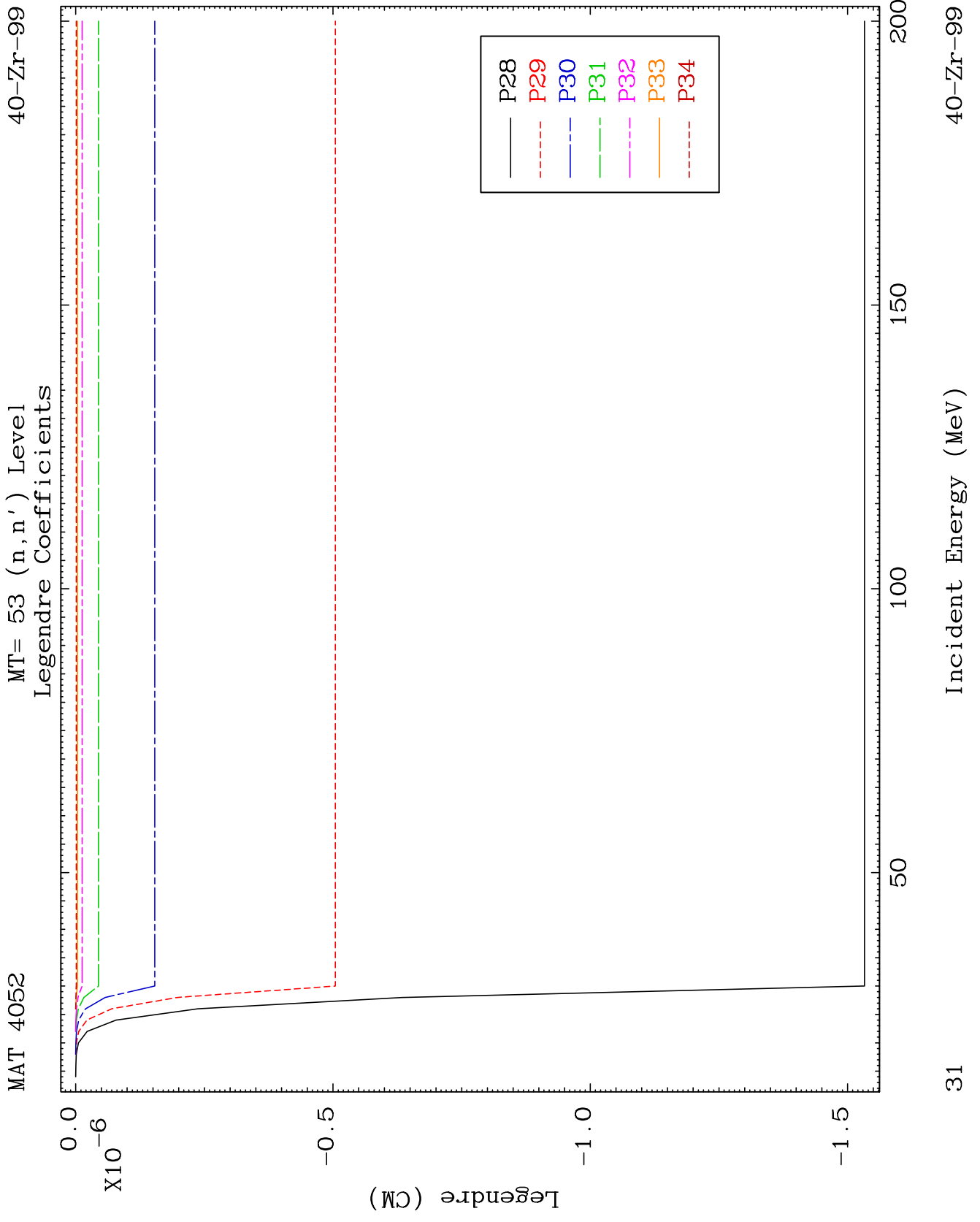


29

Incident Energy (MeV)

40-Zr-99





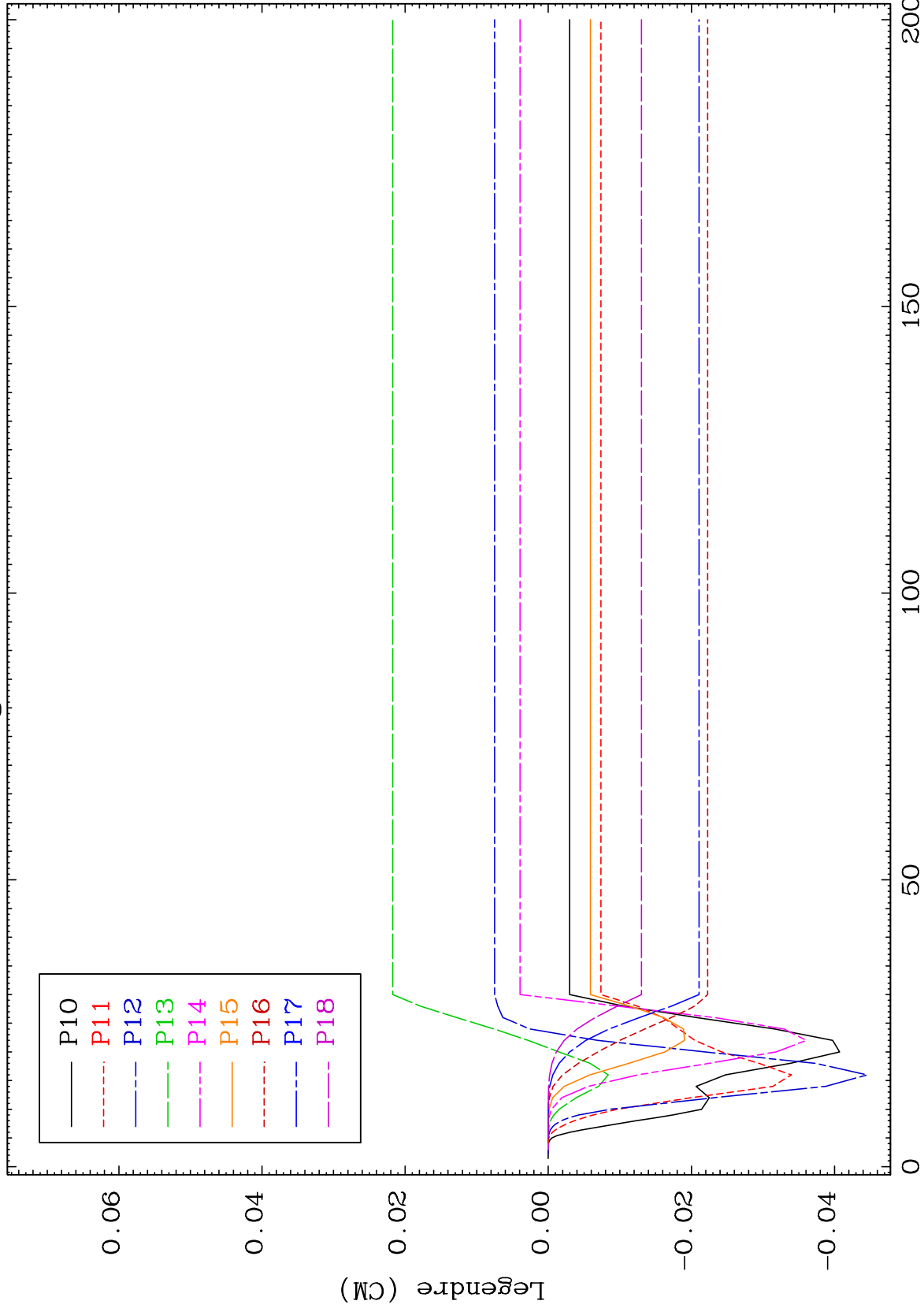




MAT 4052

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

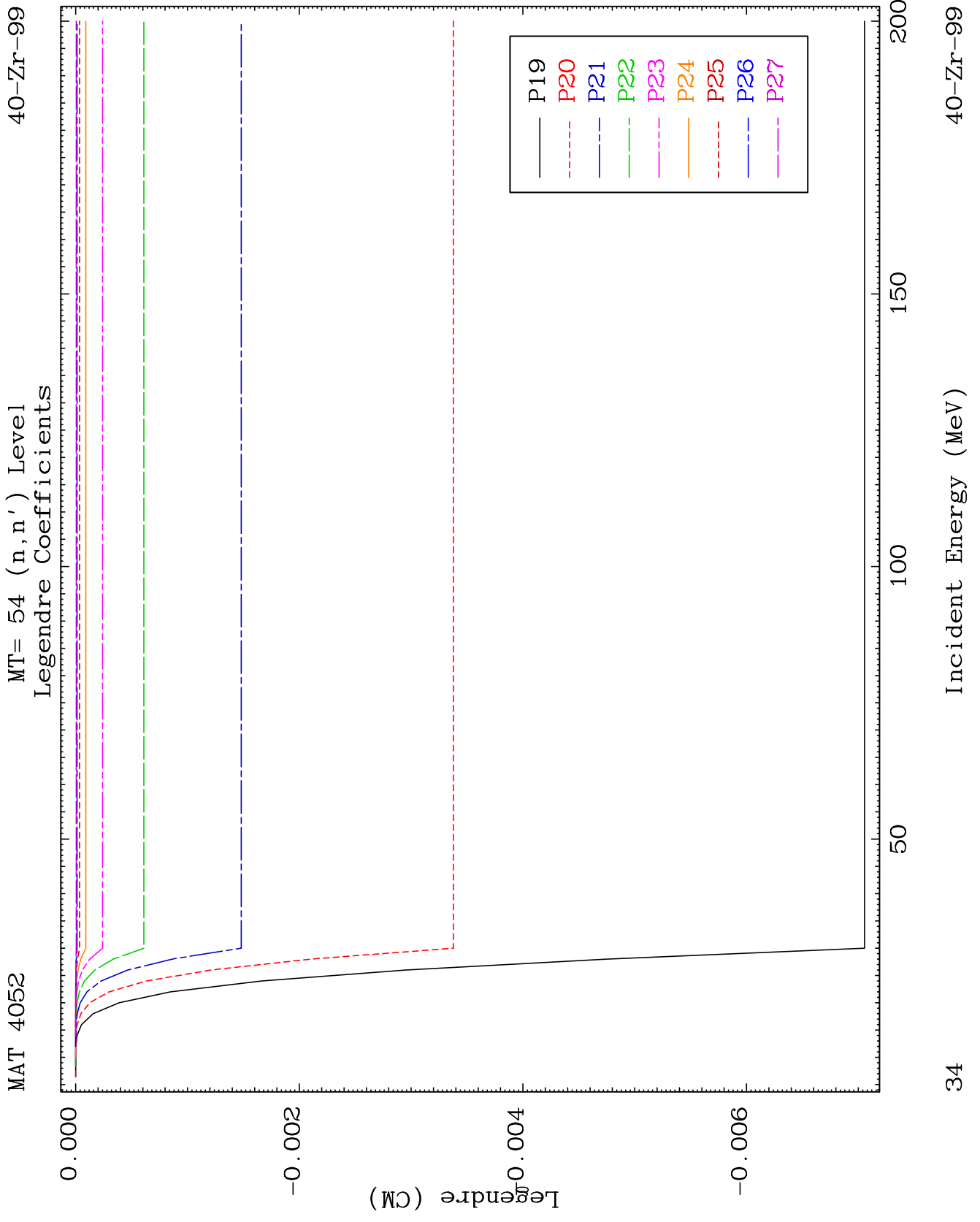
40-Zr-99

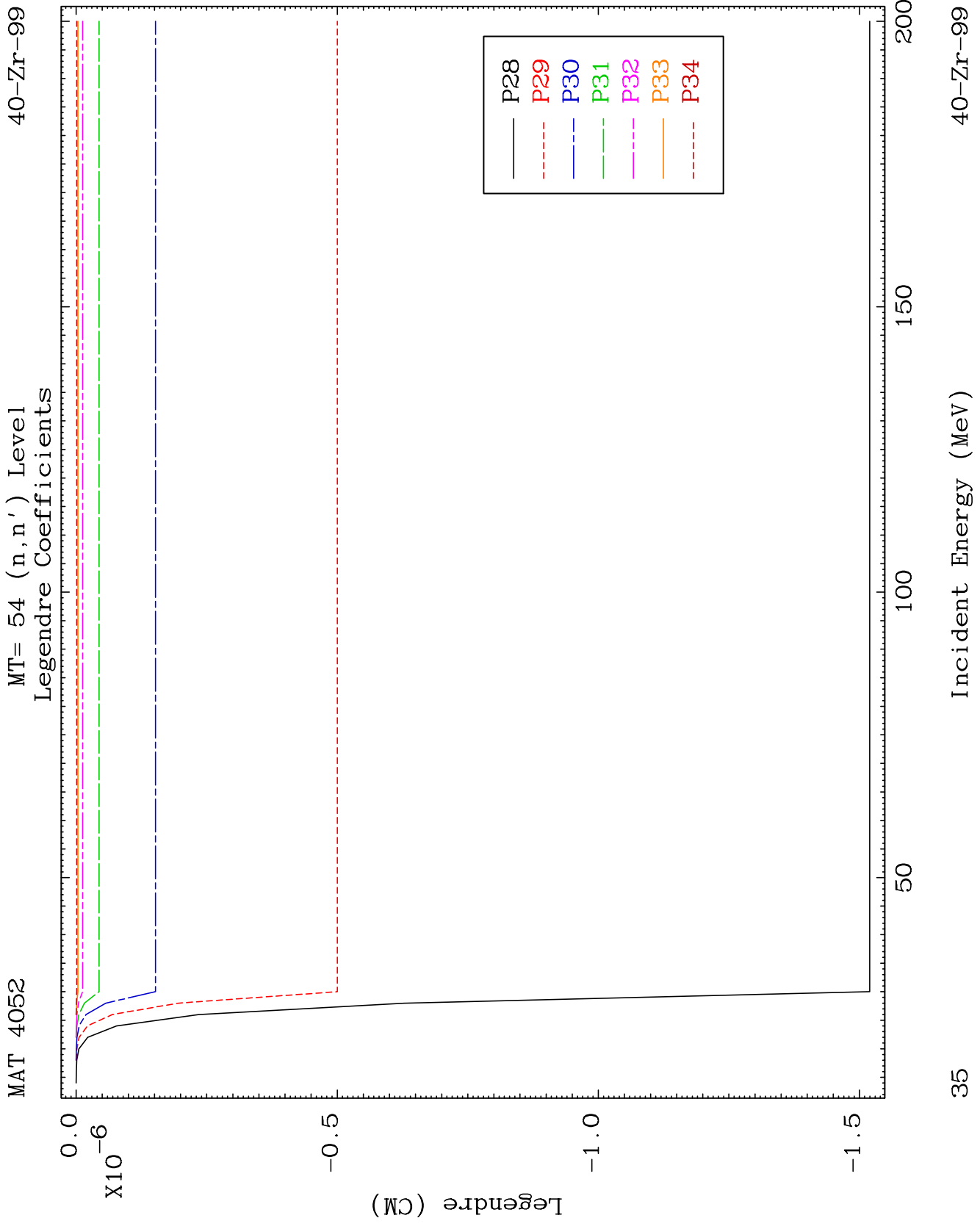


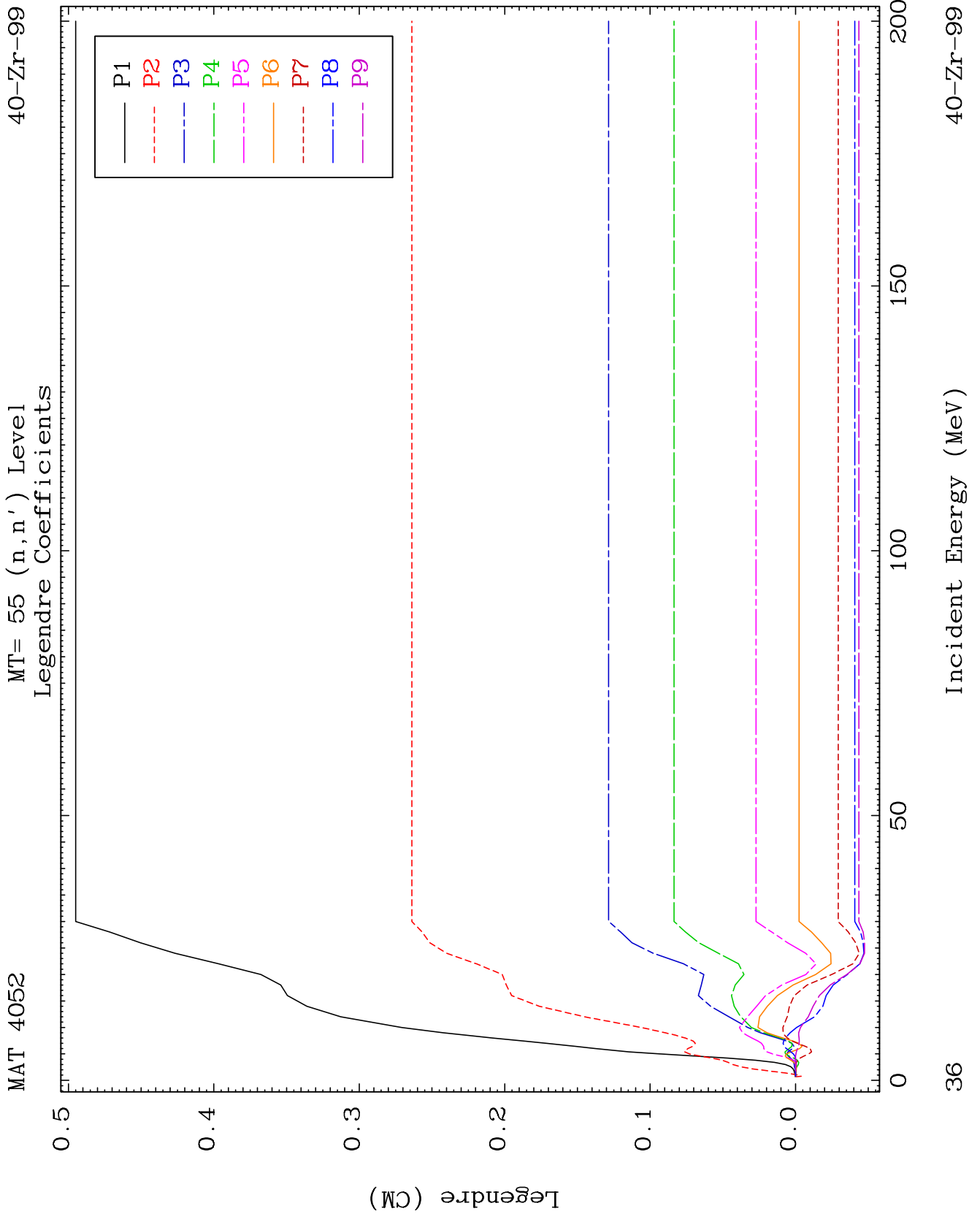
33

Incident Energy (MeV)

40-Zr-99



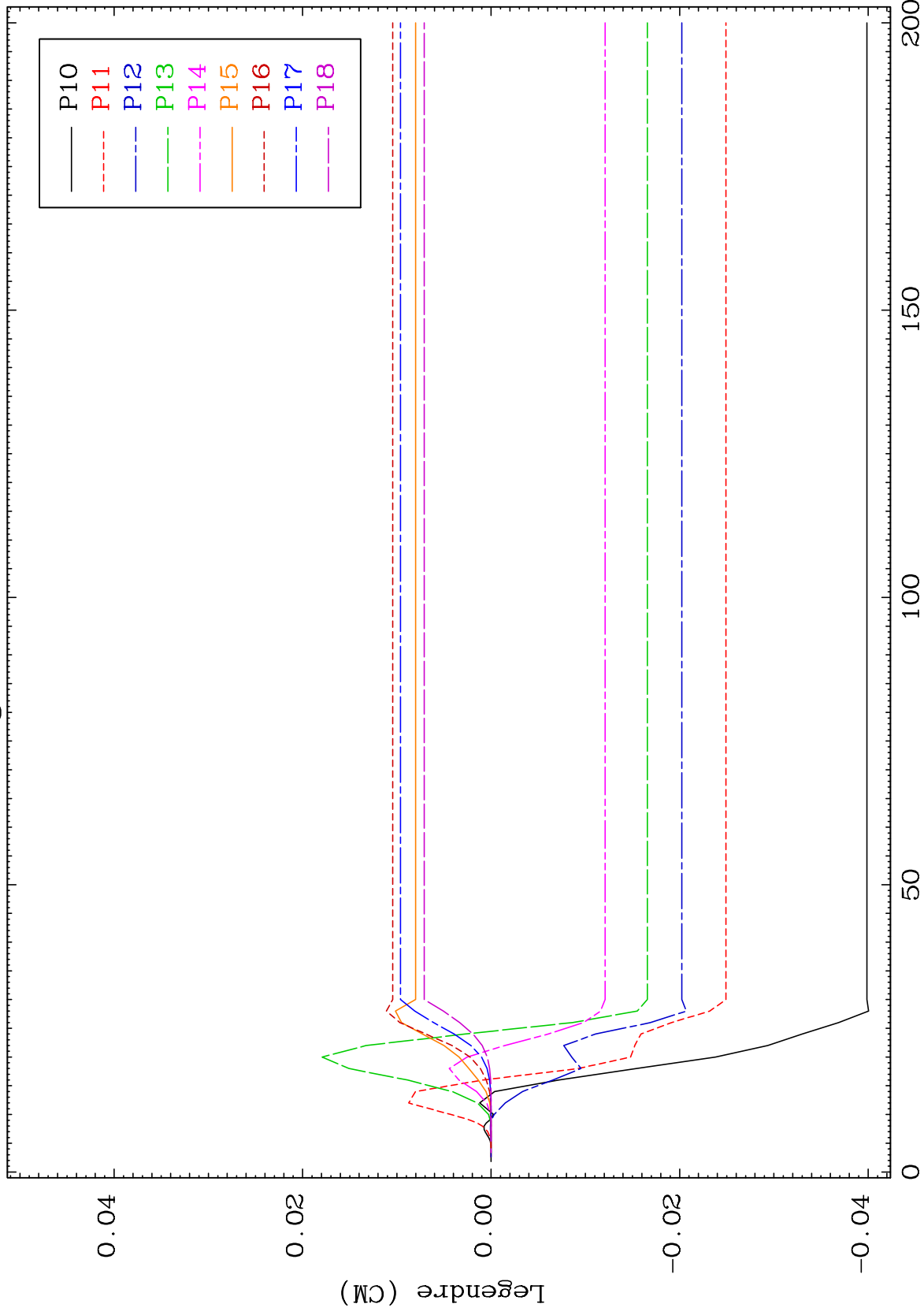




MAT 4052

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

40-Zr-99

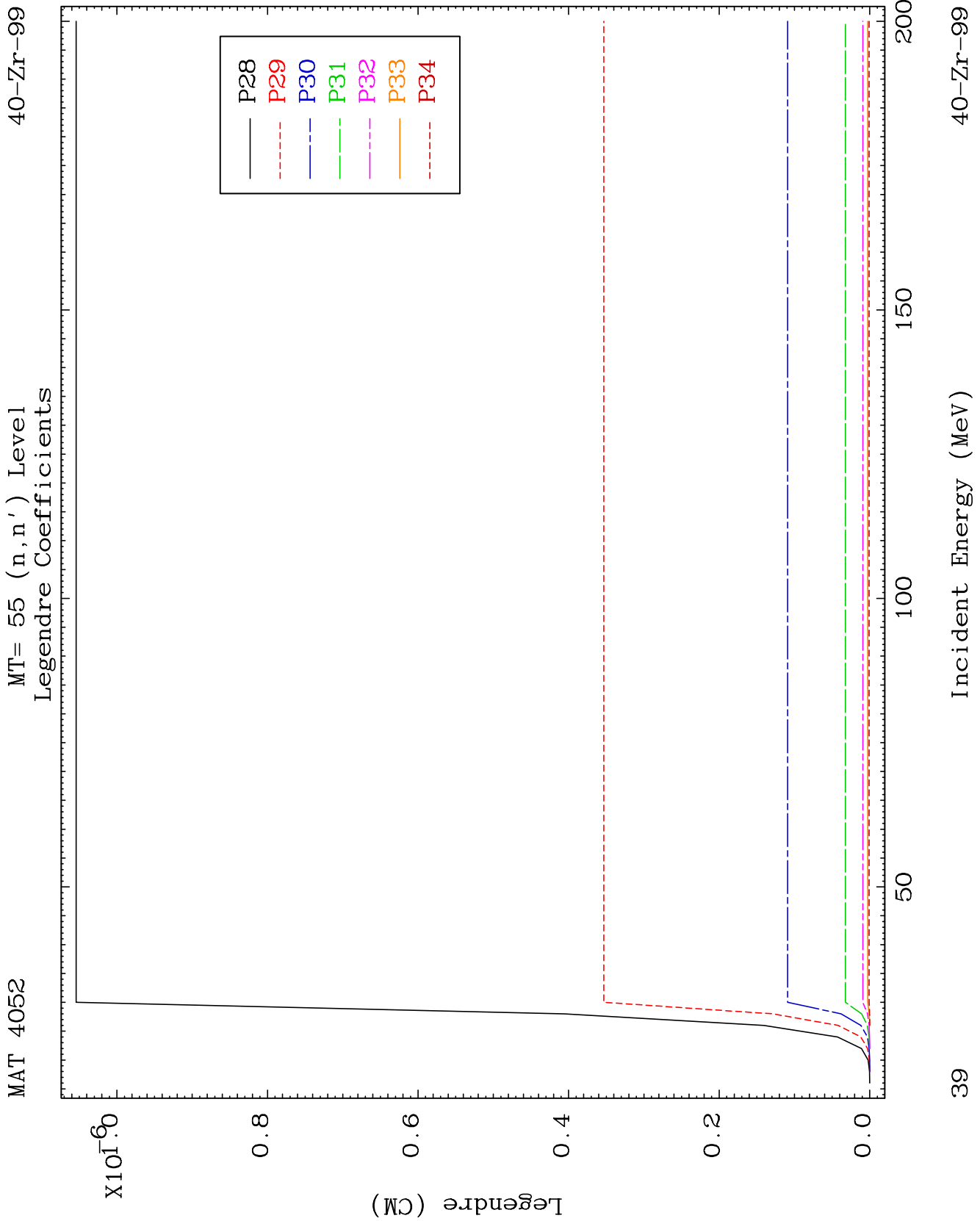


37

Incident Energy (MeV)

40-Zr-99





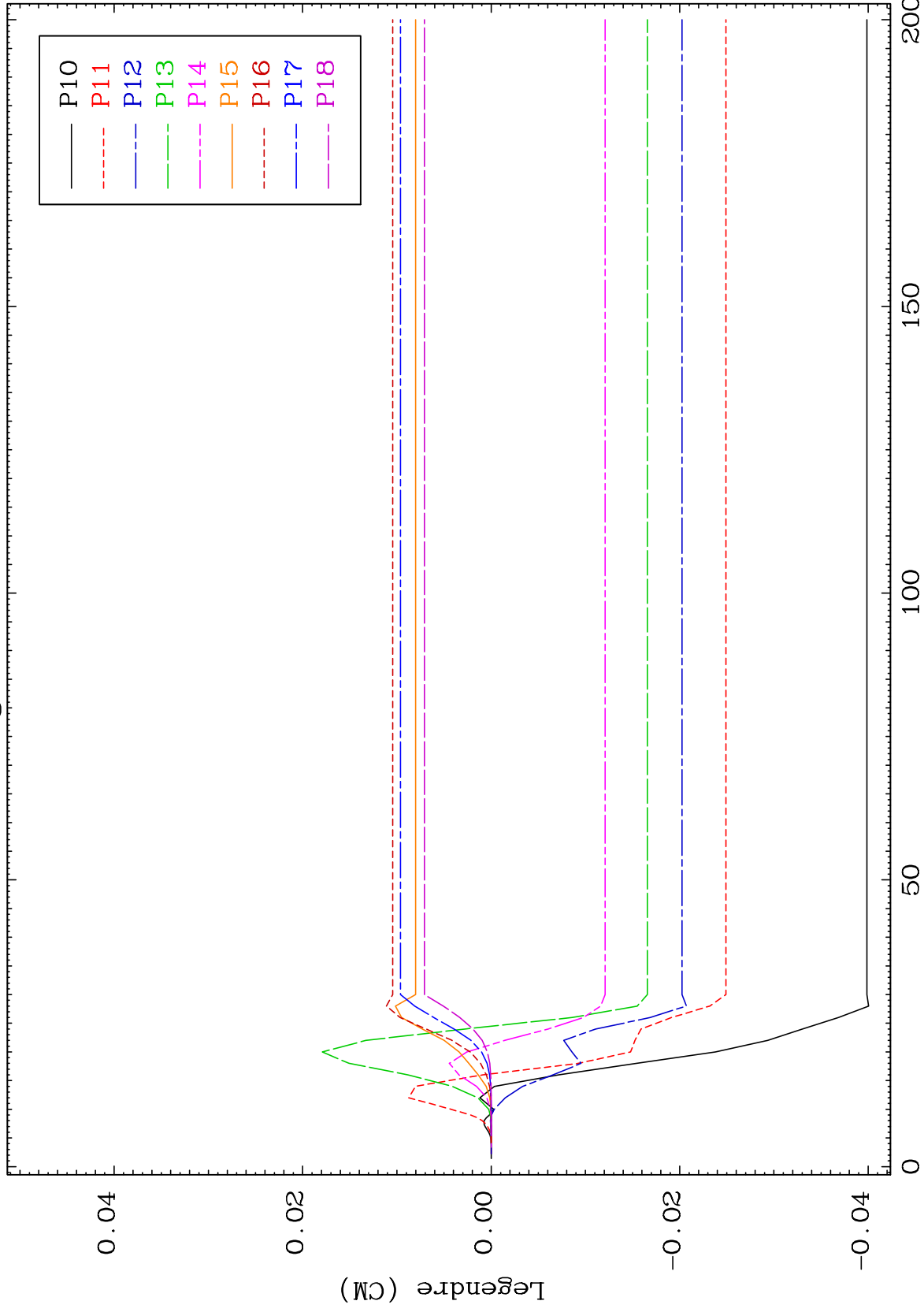




MAT 4052

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

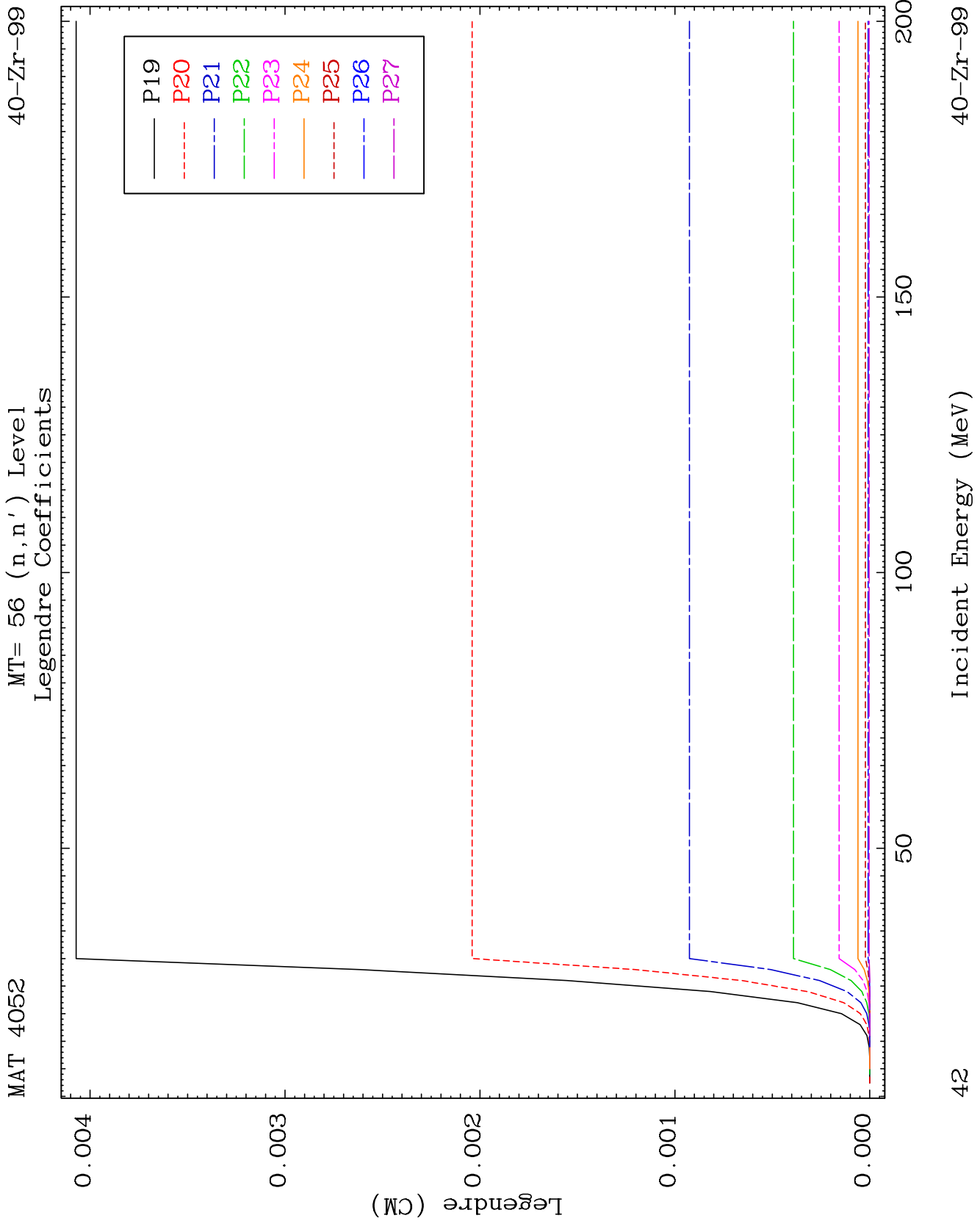
40-Zr-99



41

Incident Energy (MeV)

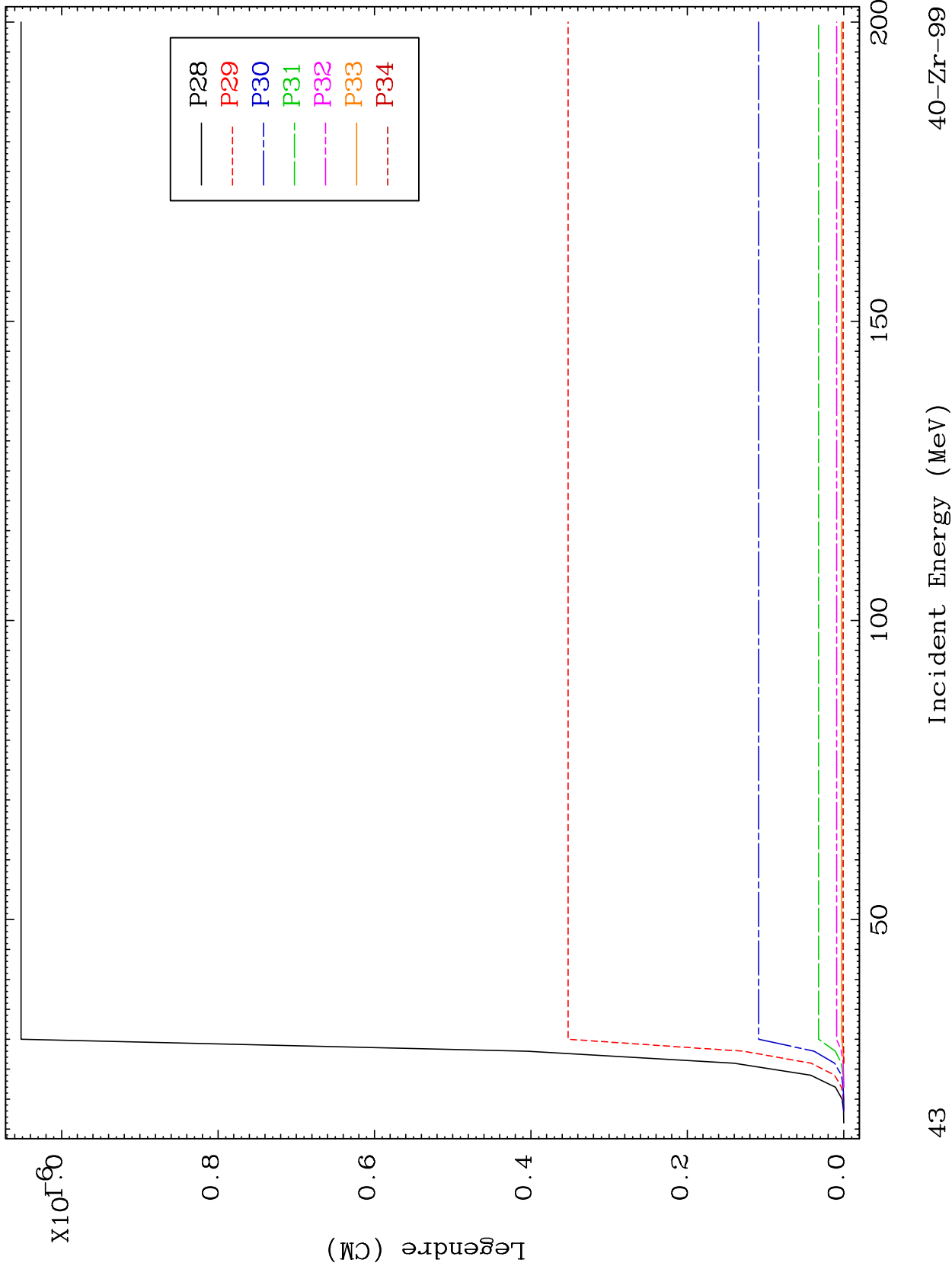
40-Zr-99



MAT 4052

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

40-Zr-99



43

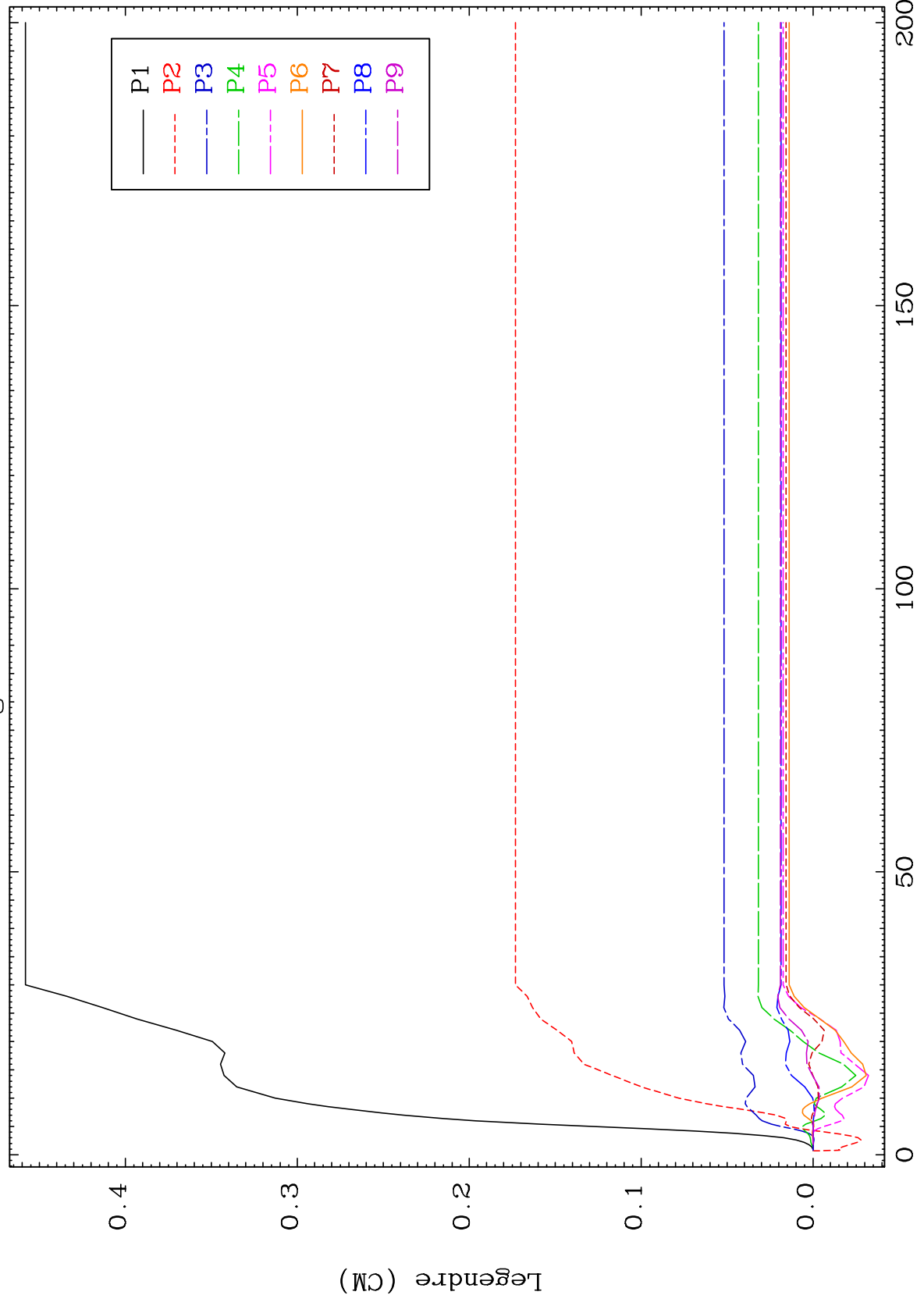
Incident Energy (MeV)

40-Zr-99

MAT 4052

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

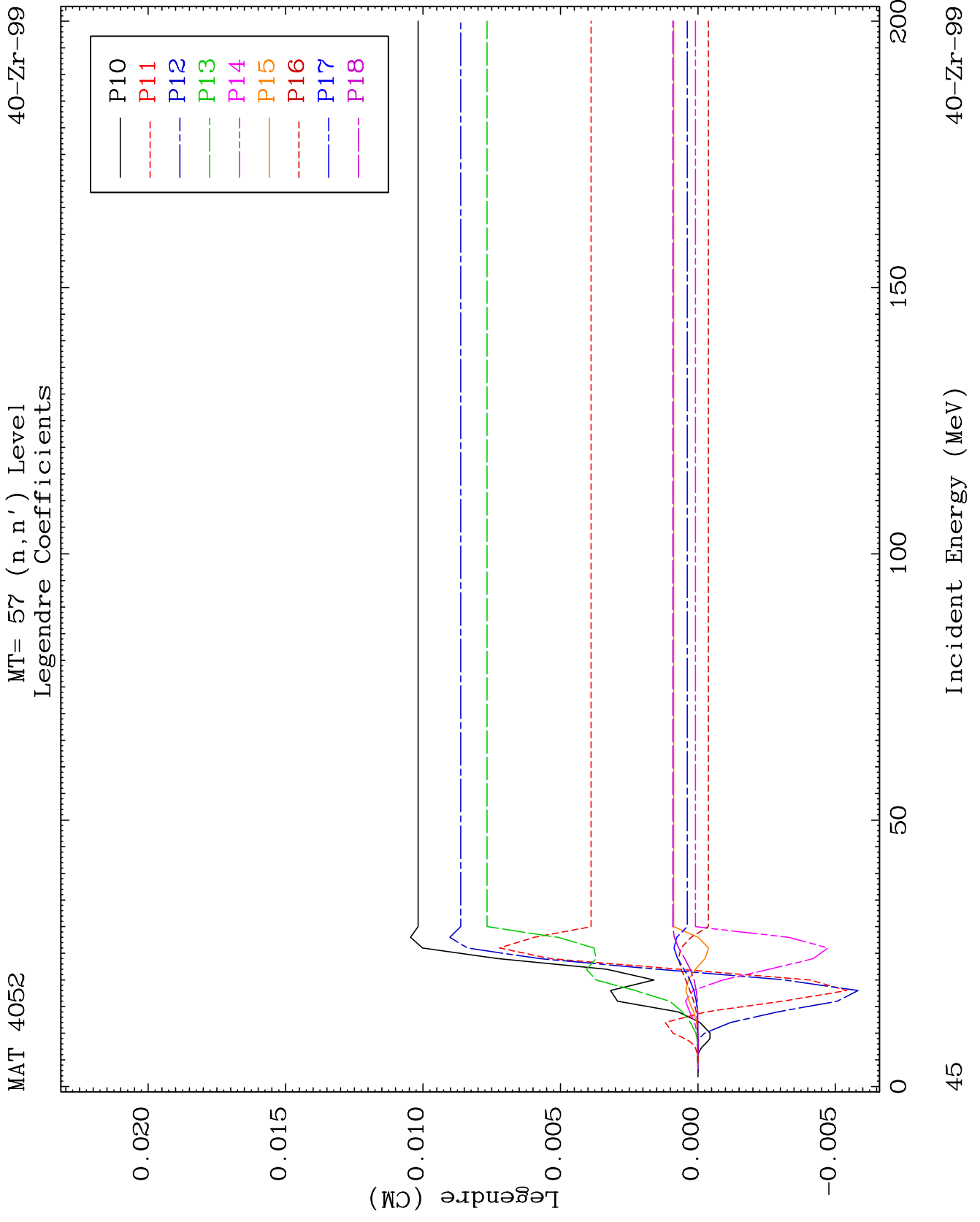
40-Zr-99



44

Incident Energy (MeV)

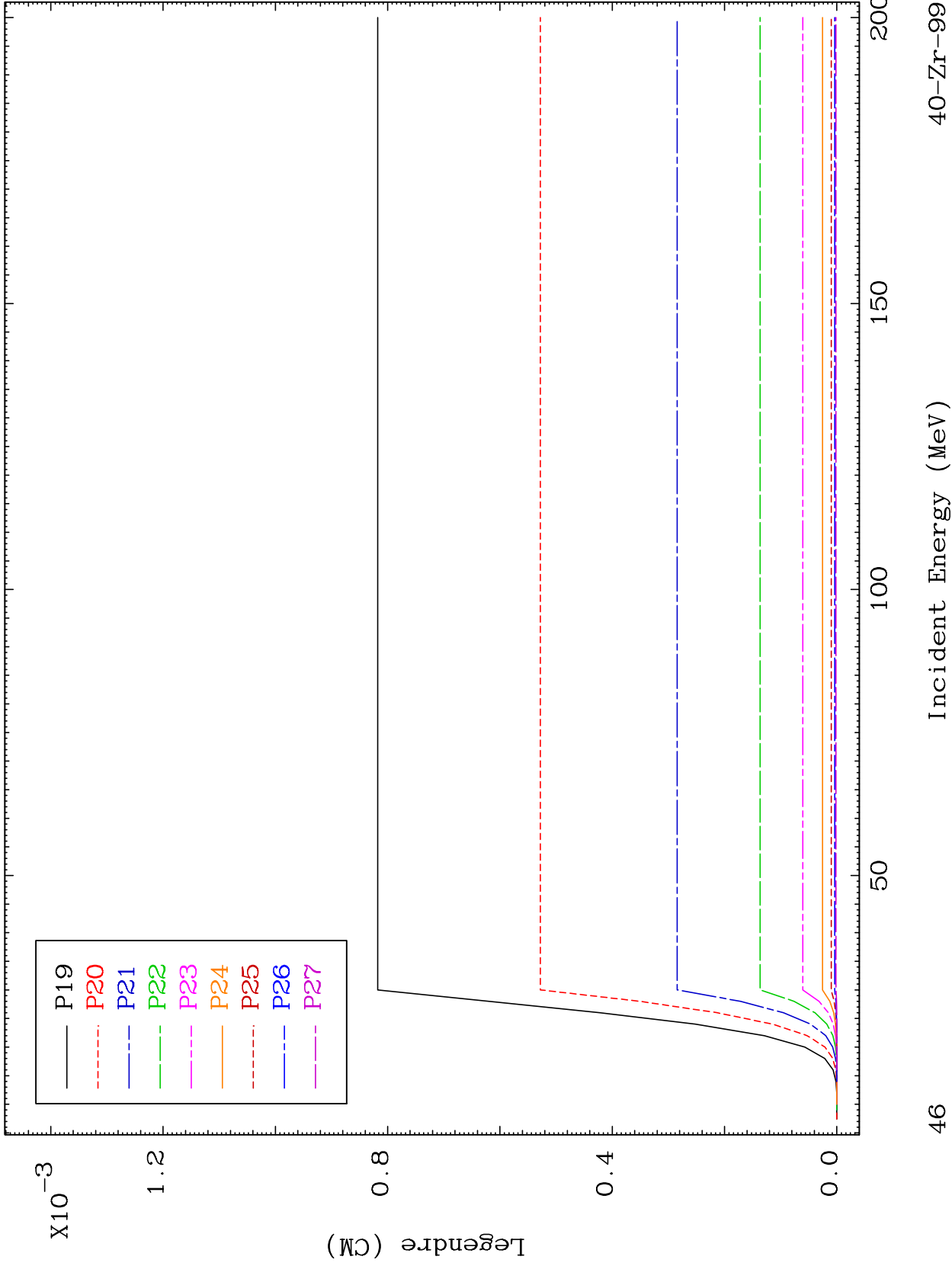
40-Zr-99



MAT 4052

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

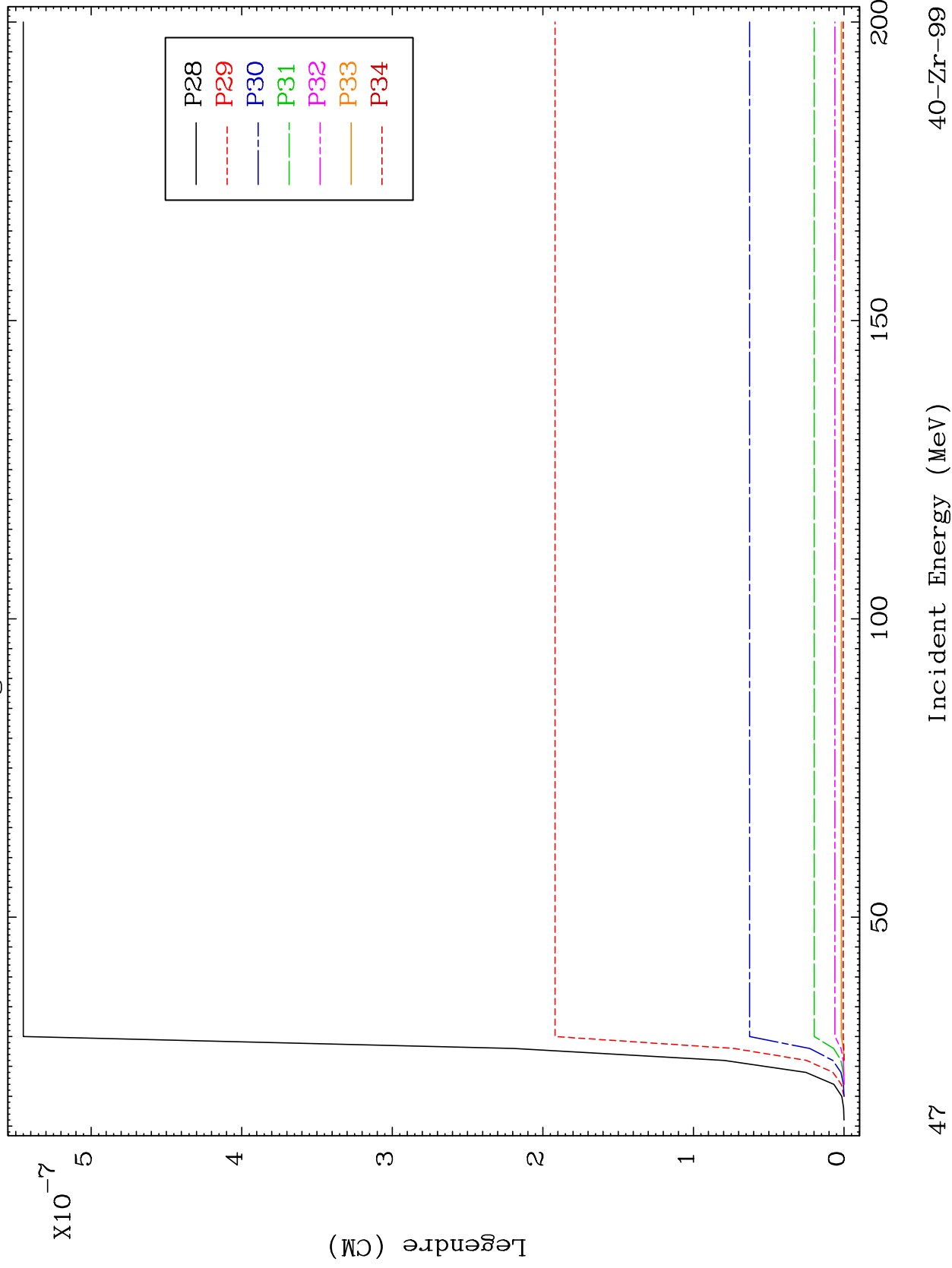
40-Zr-99



MAT 4052

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

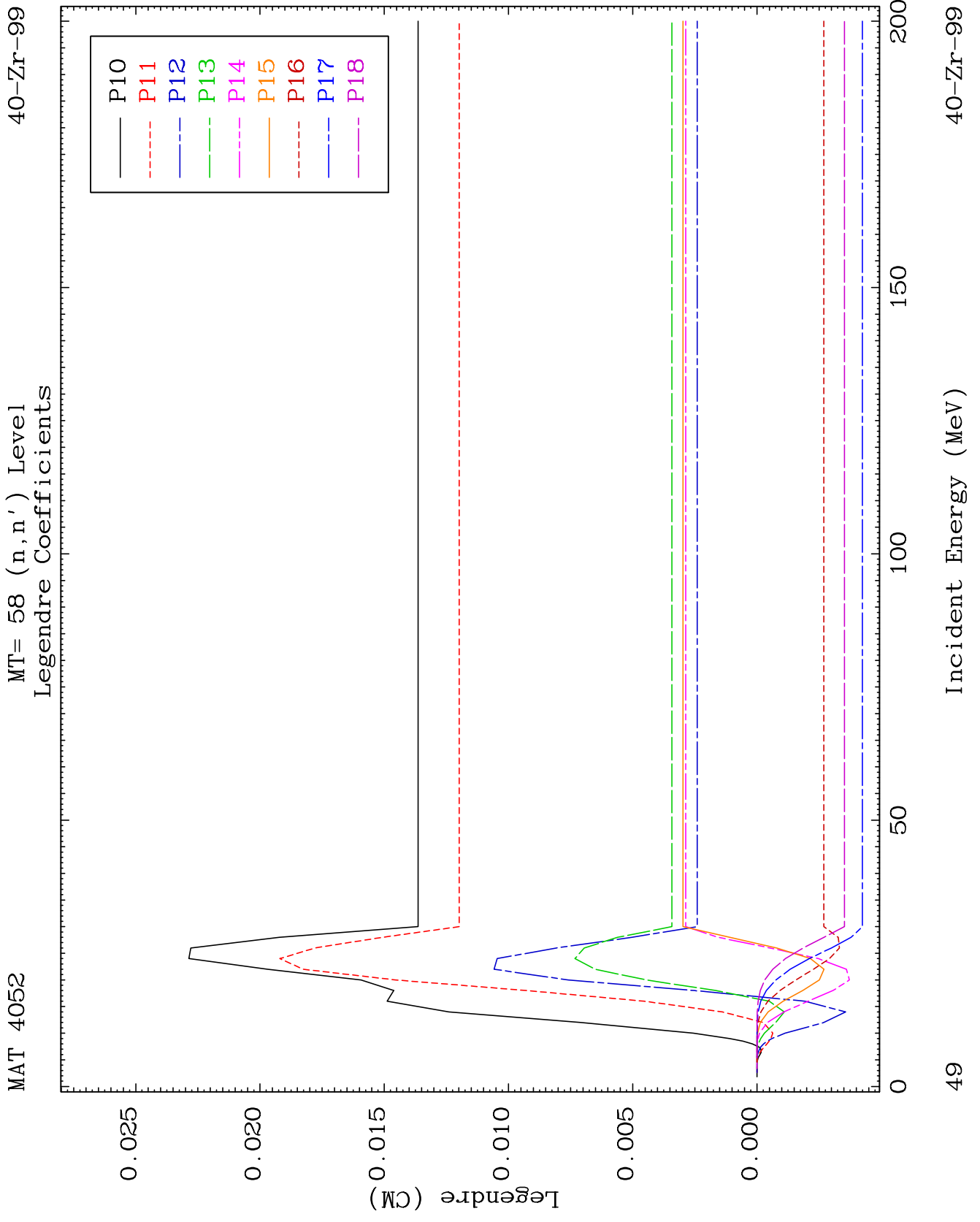
40-Zr-99



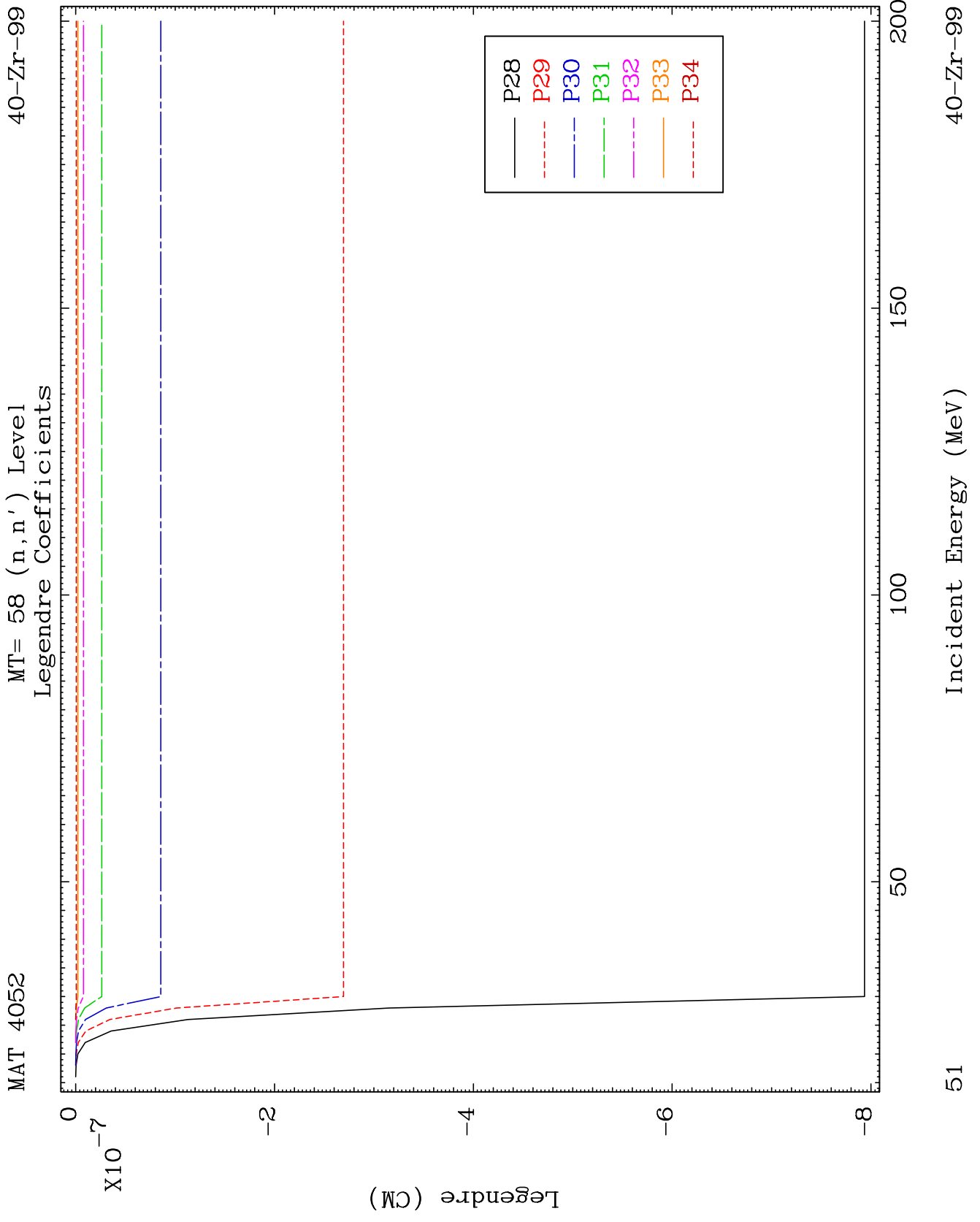
47



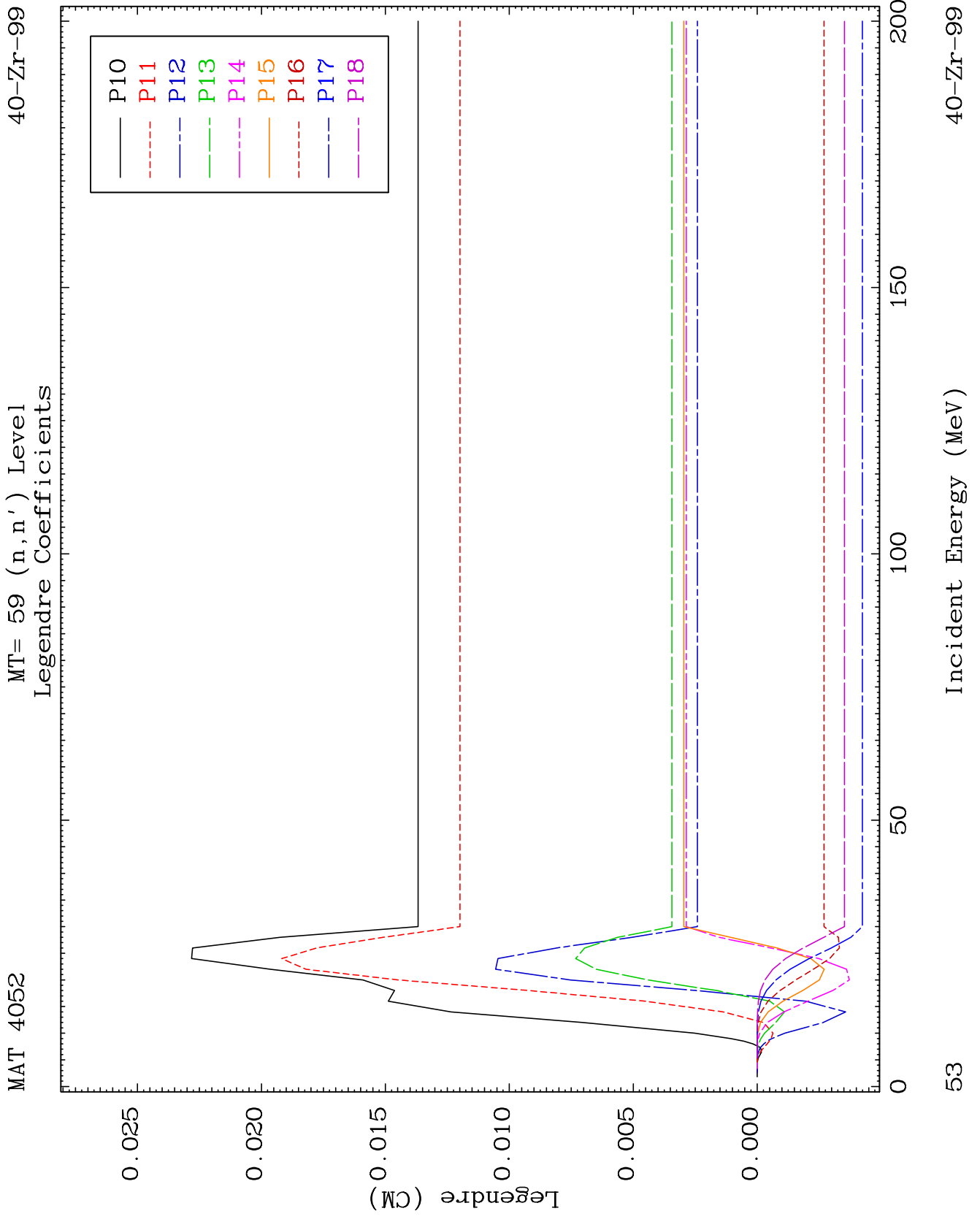


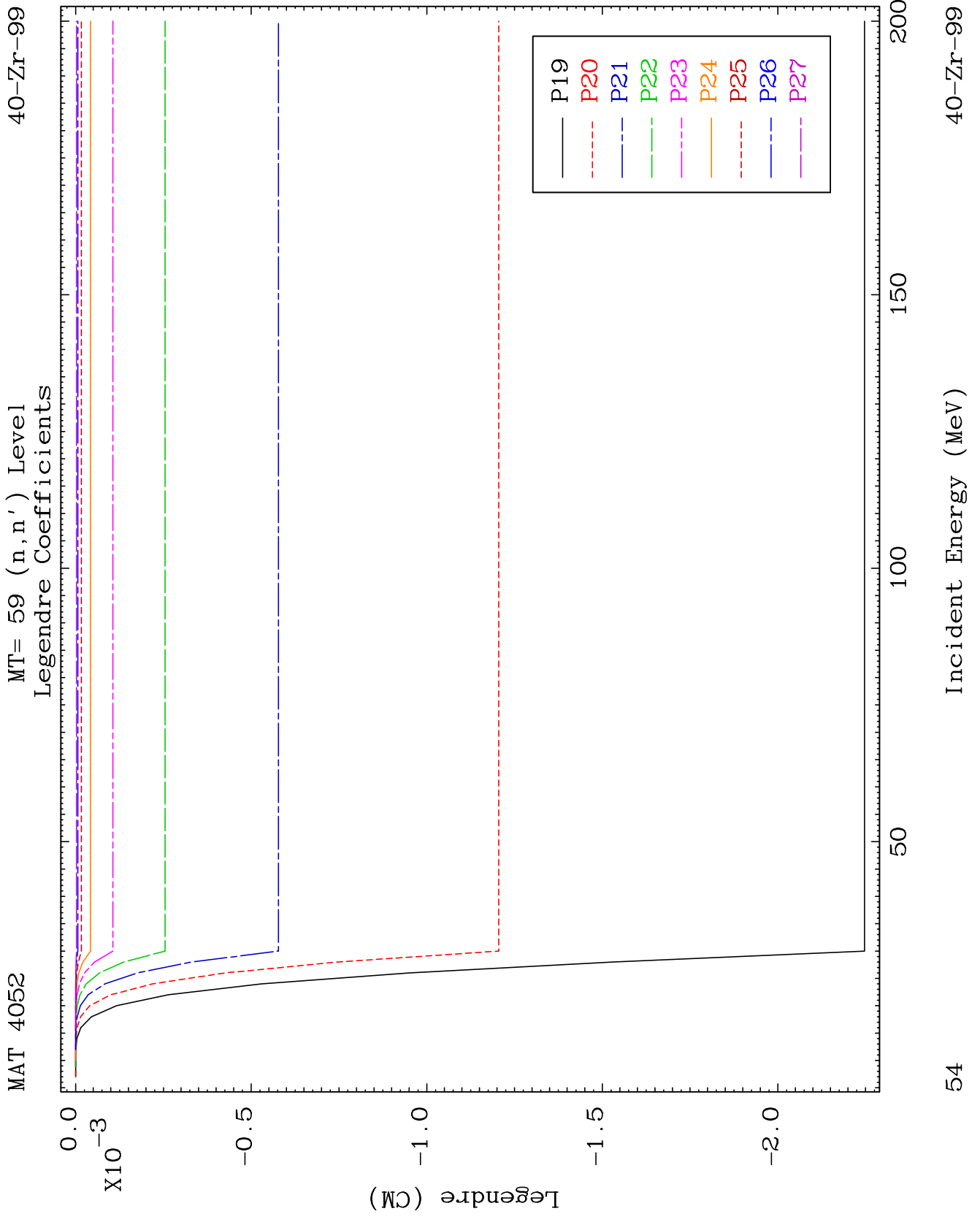


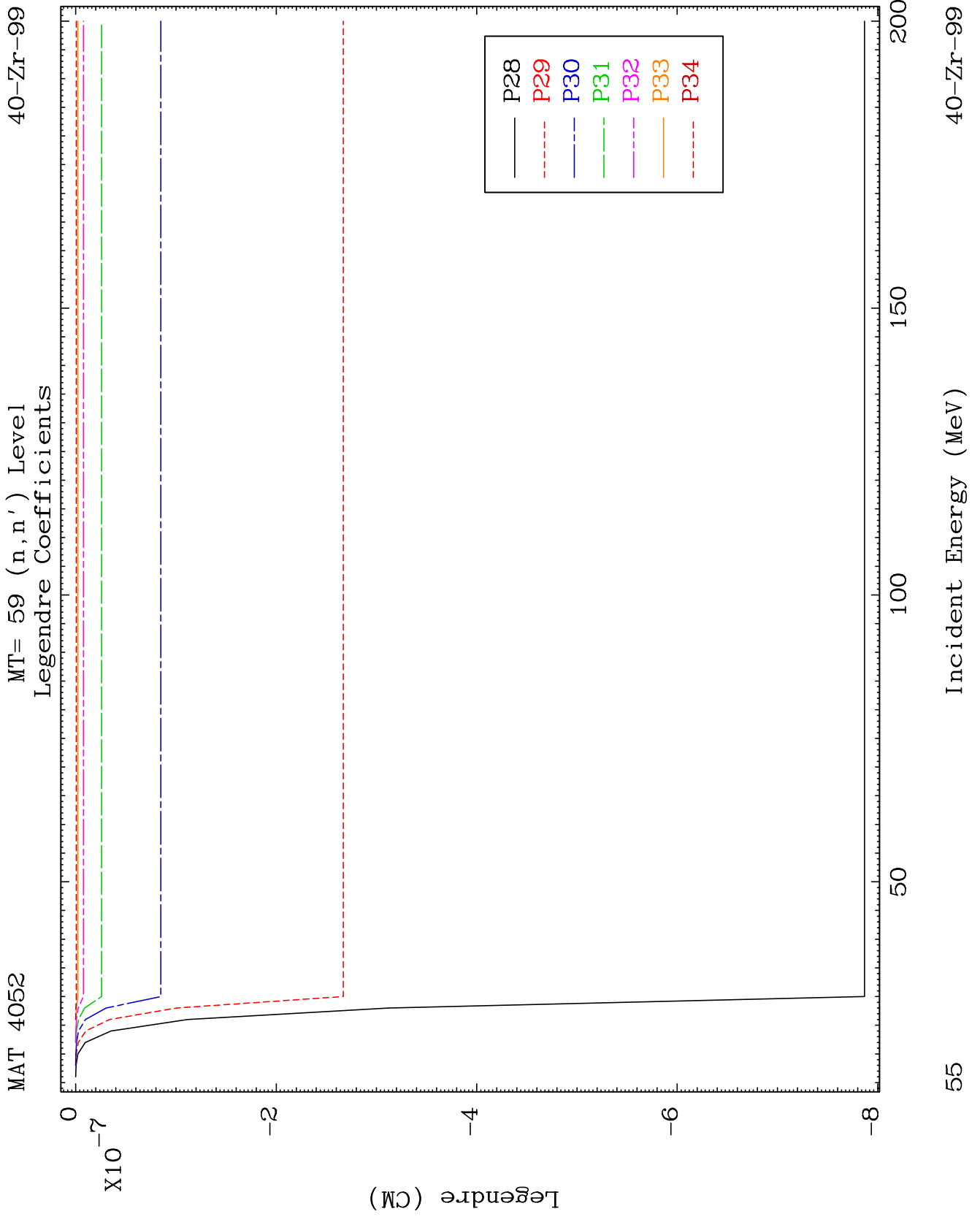




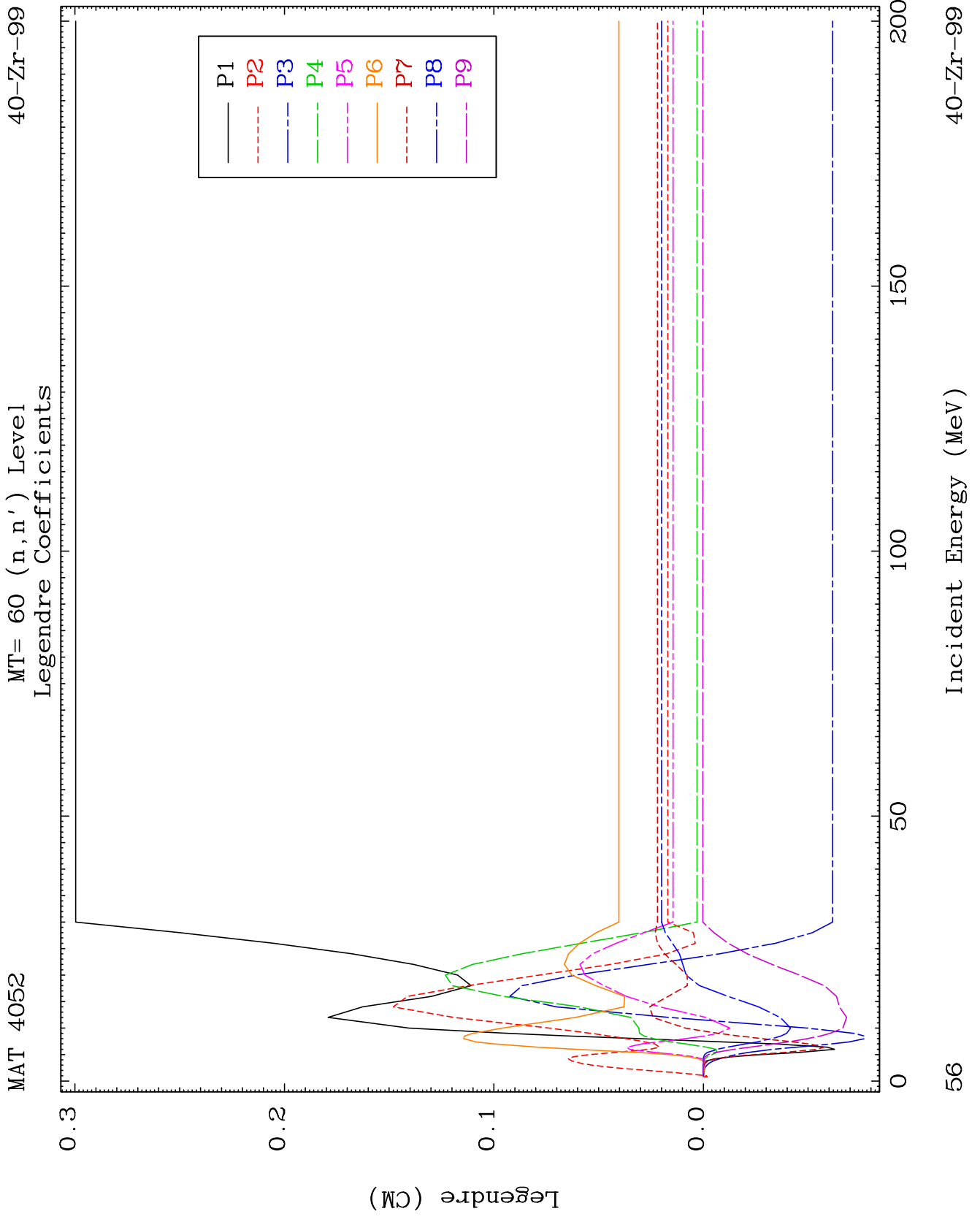








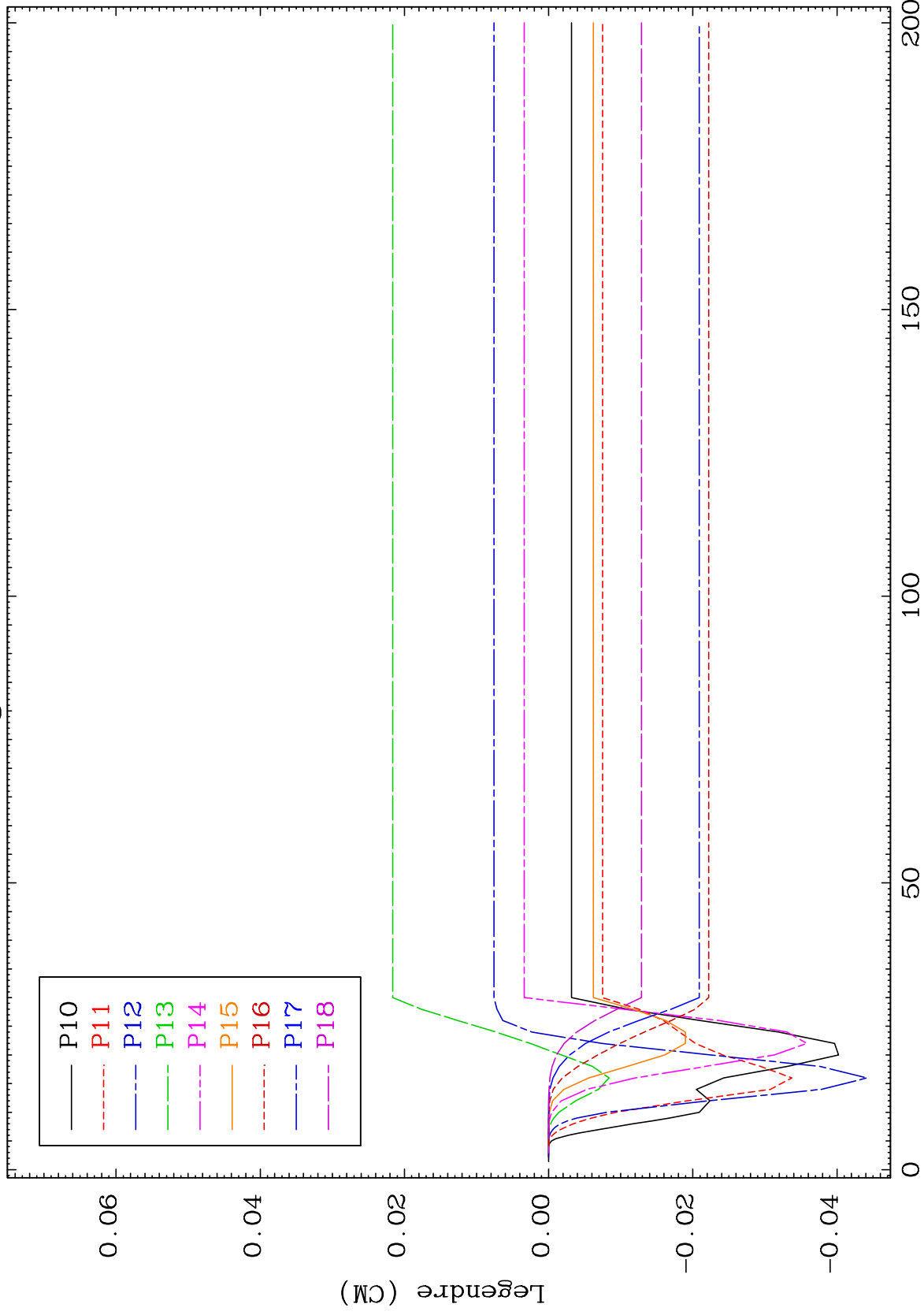




MAT 4052

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

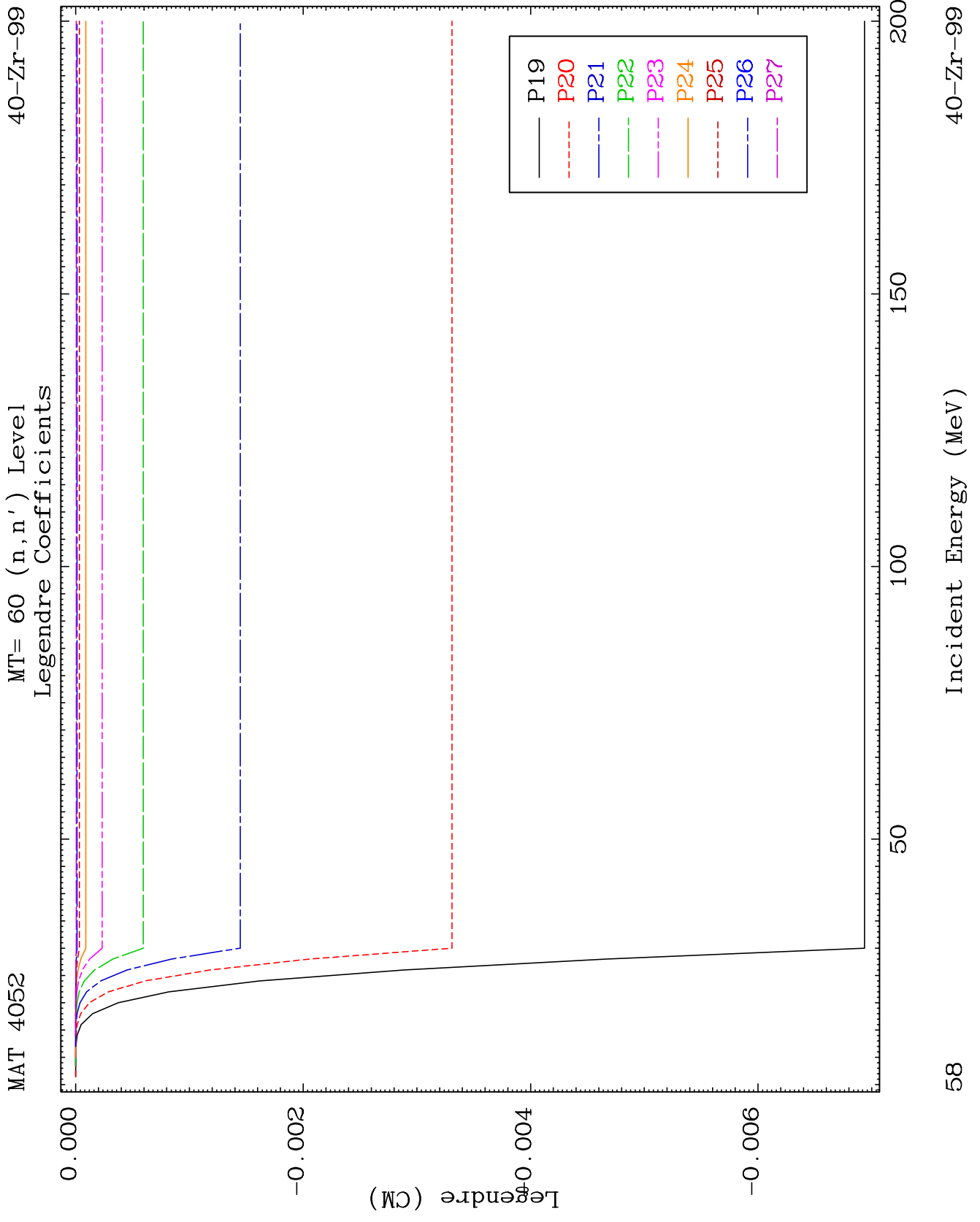
40-Zr-99

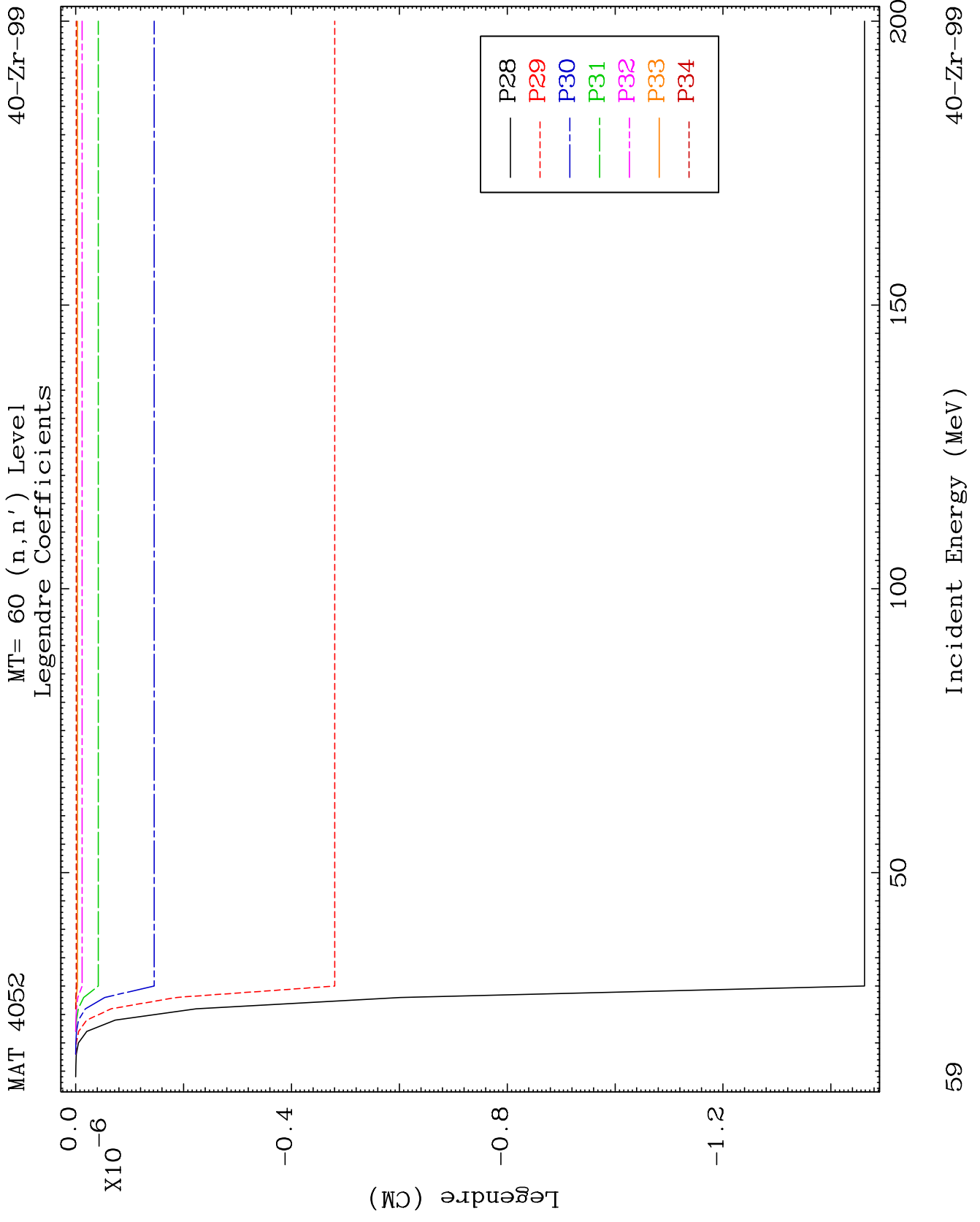


57

Incident Energy (MeV)

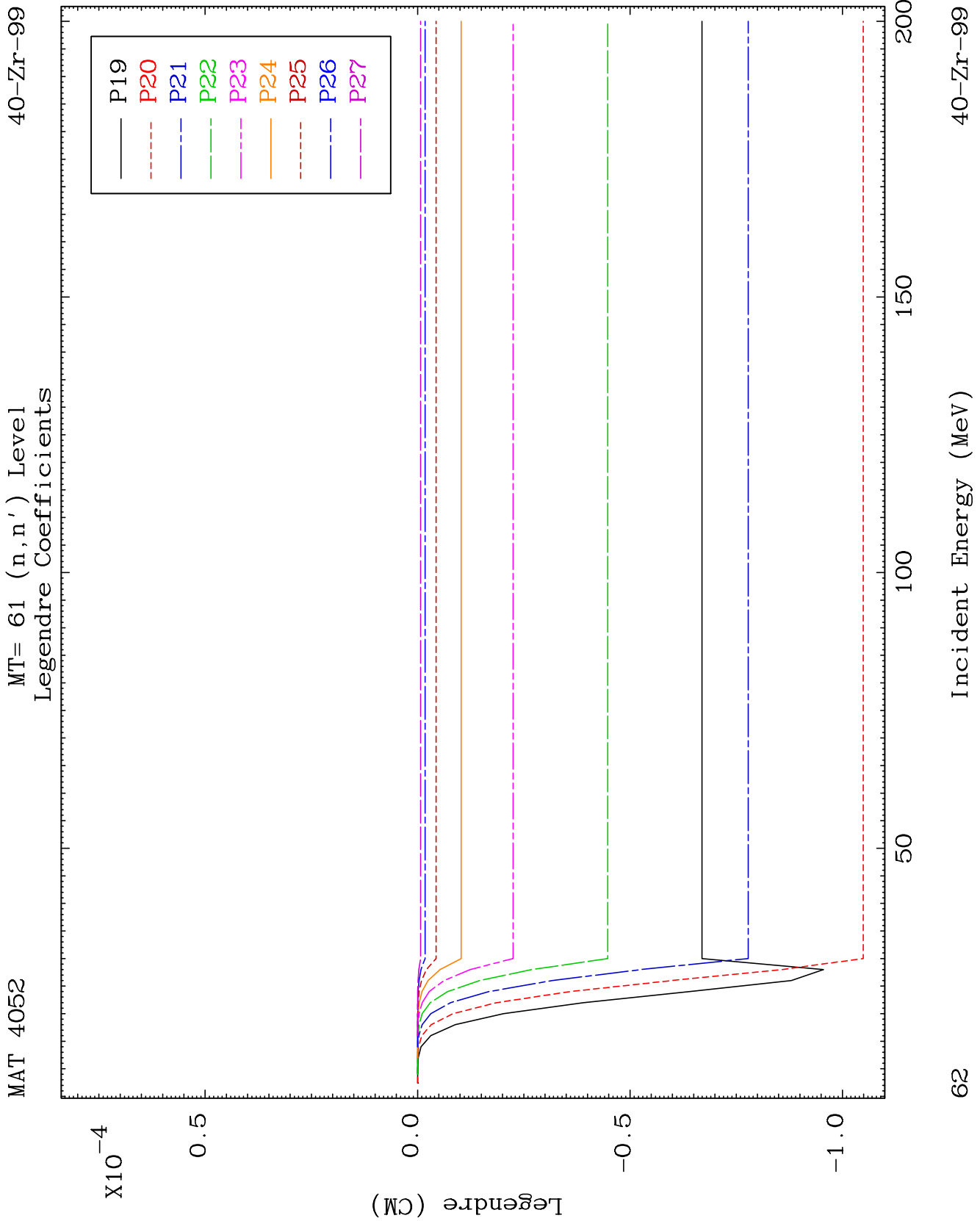
40-Zr-99

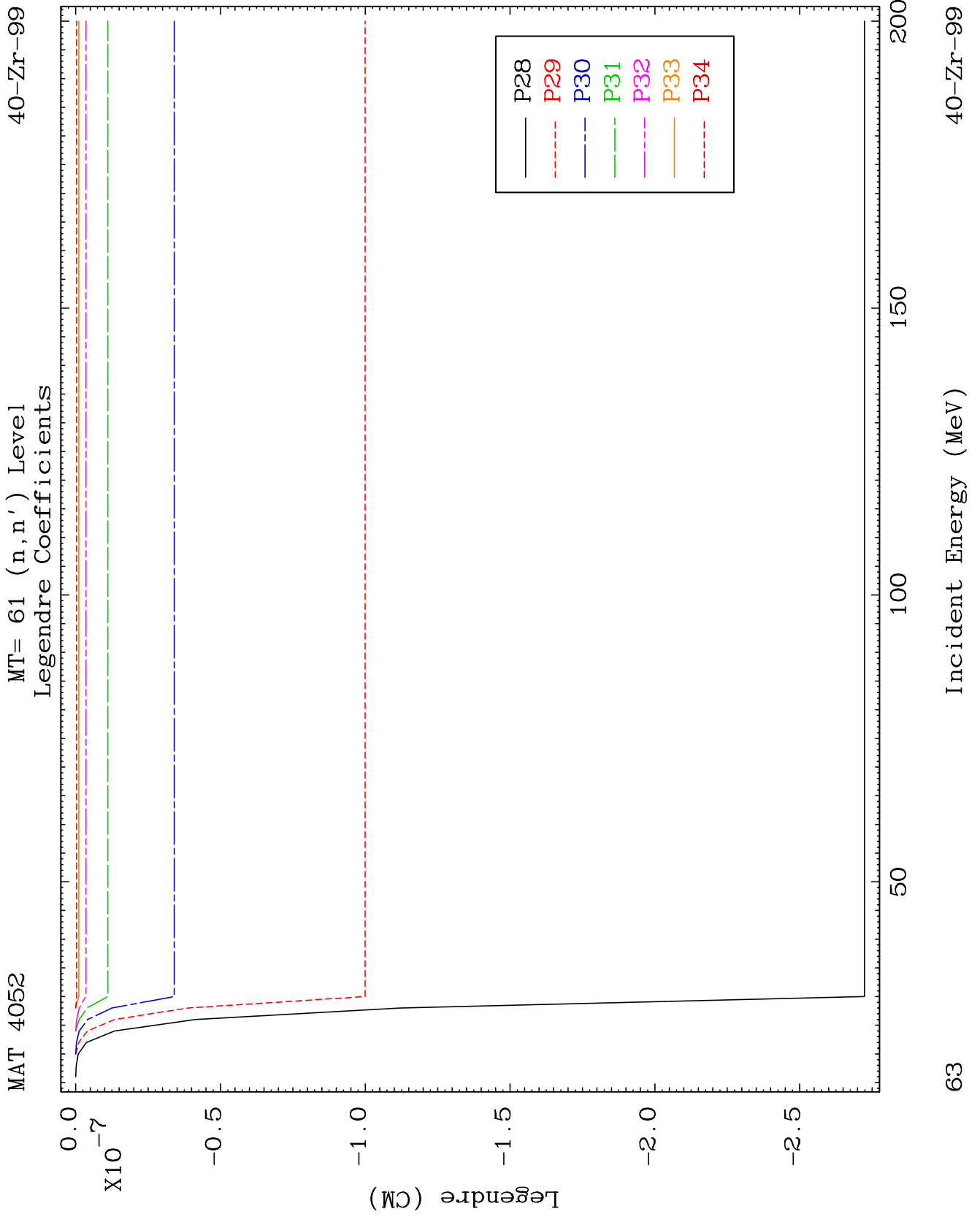












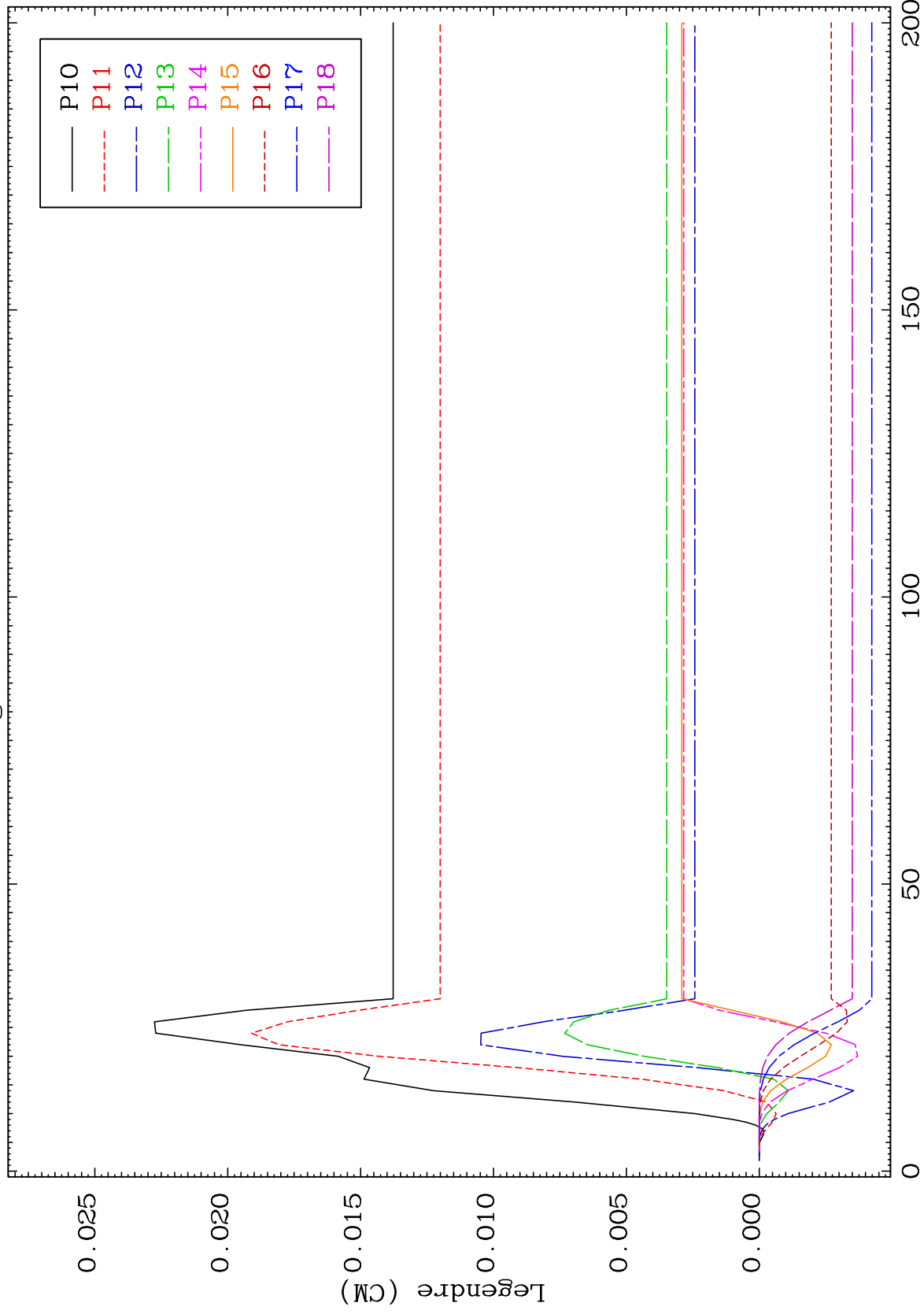




MAT 4052

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

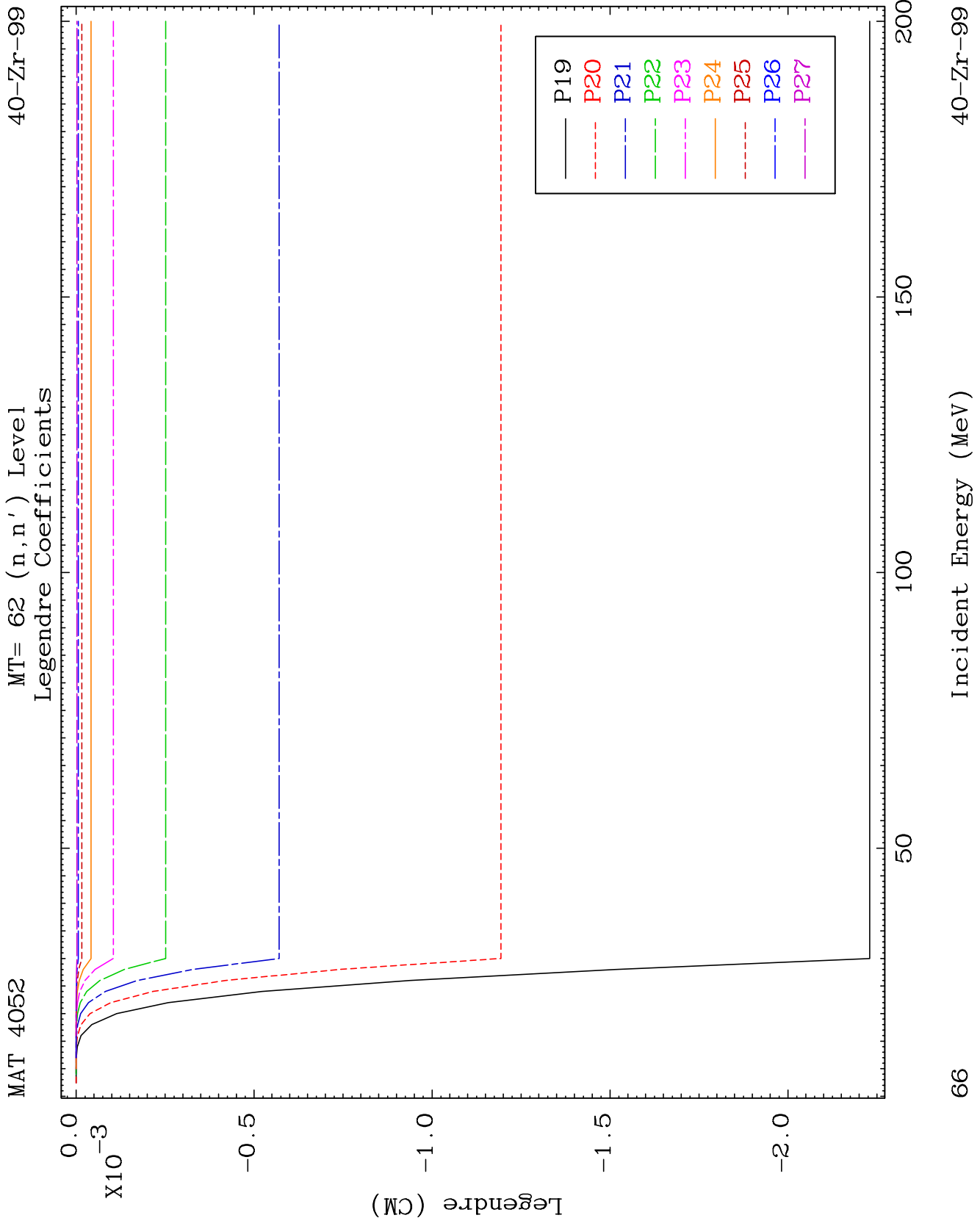
40-Zr-99

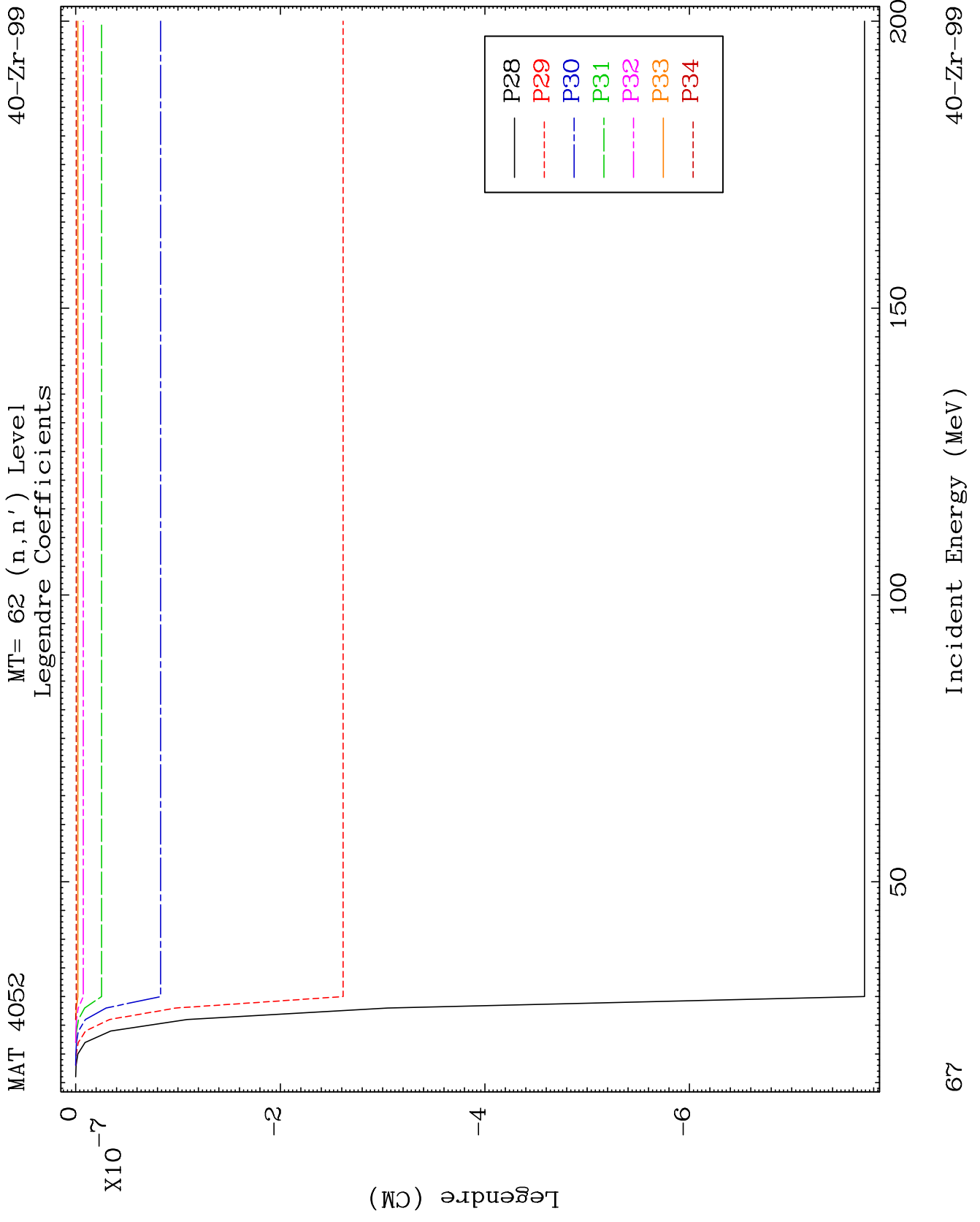


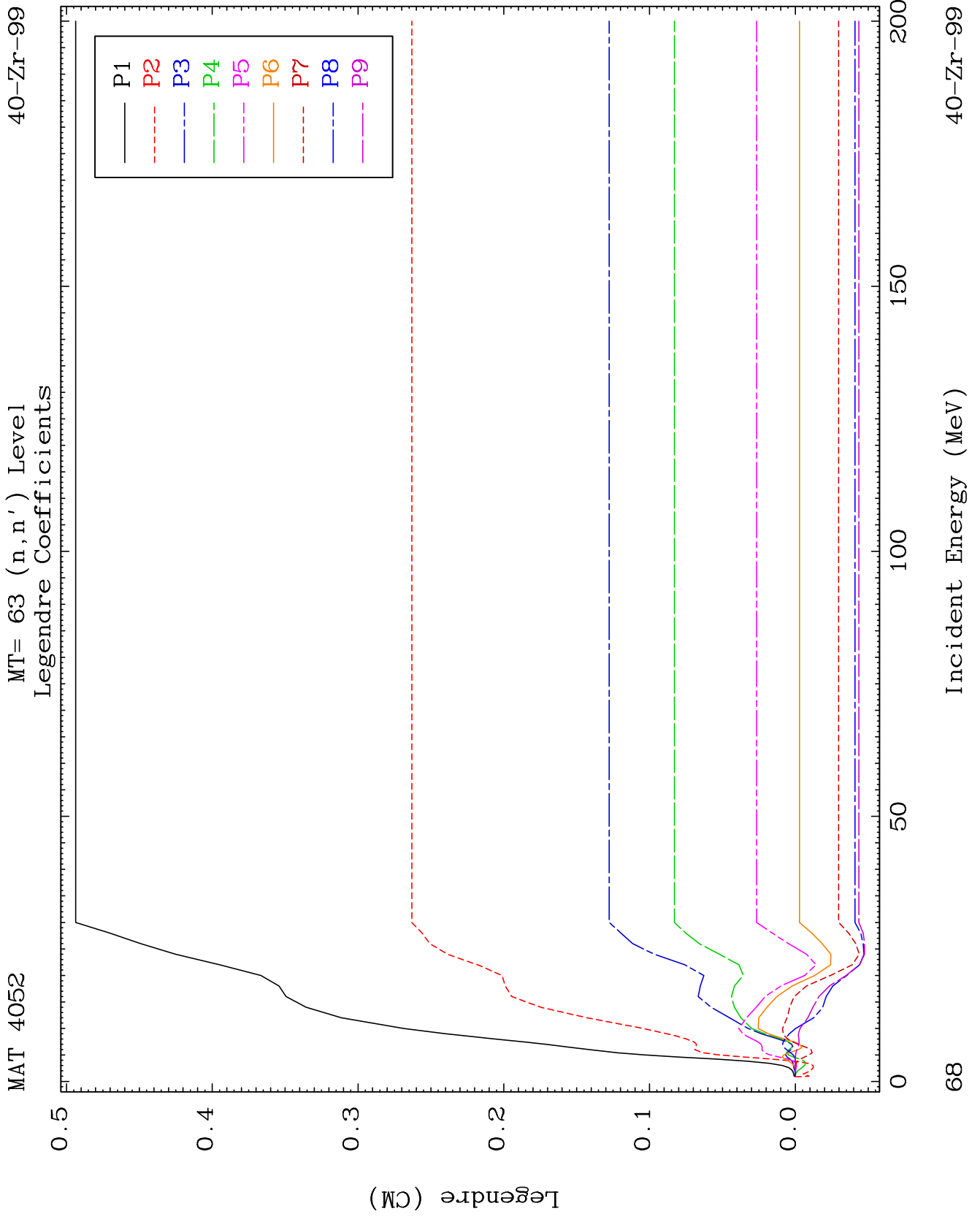
65

Incident Energy (MeV)

40-Zr-99



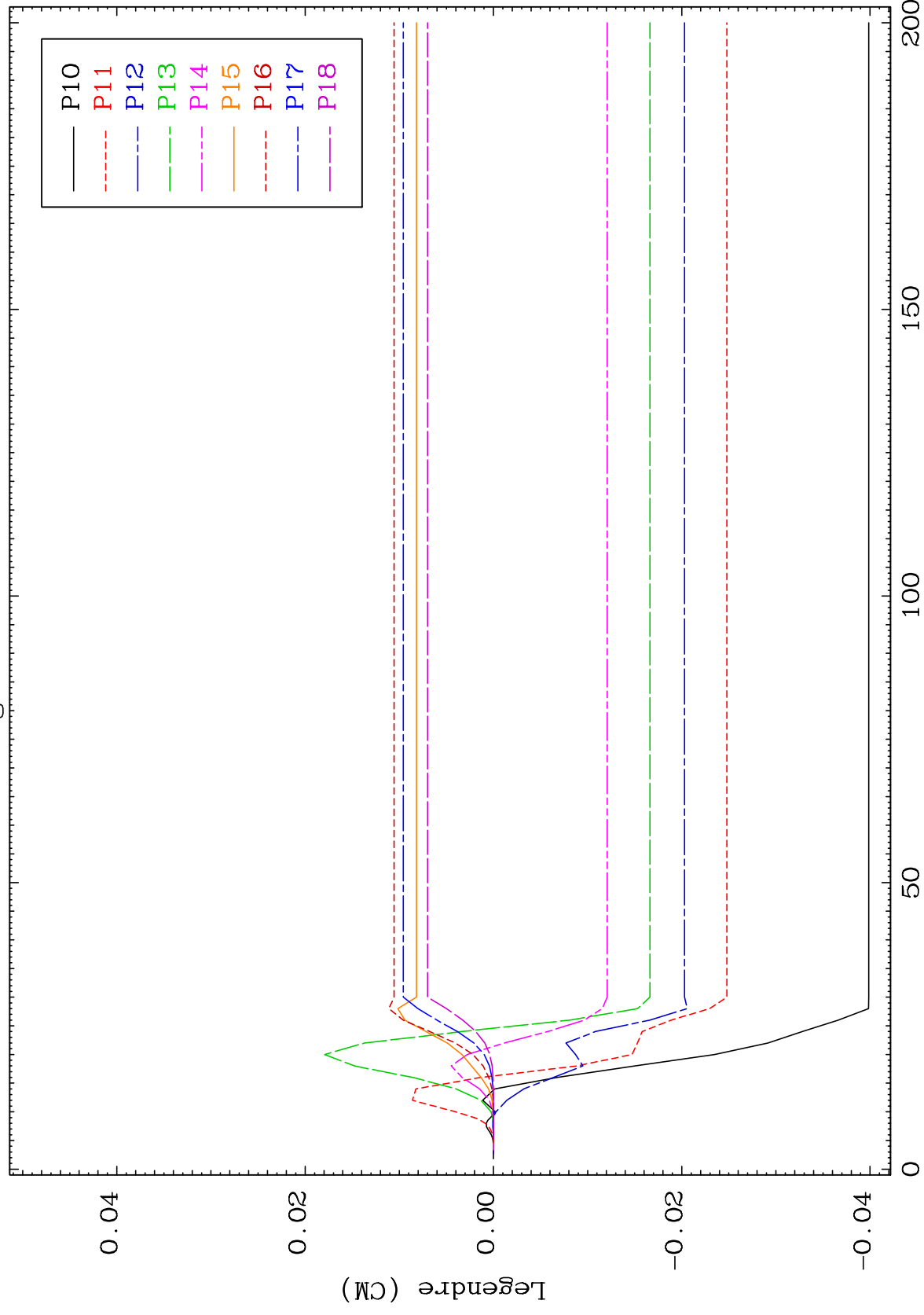




MAT 4052

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

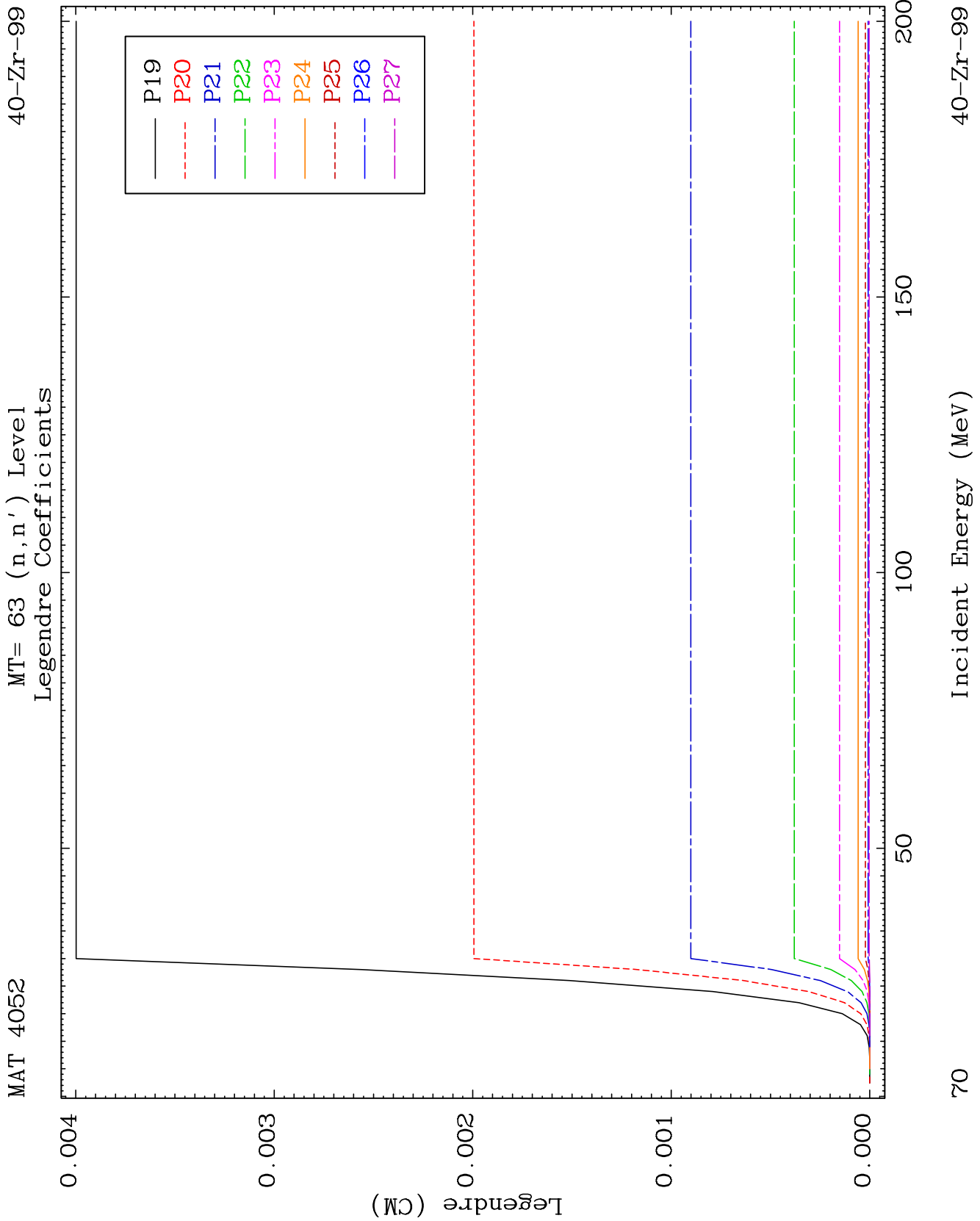
40-Zr-99



69

Incident Energy (MeV)

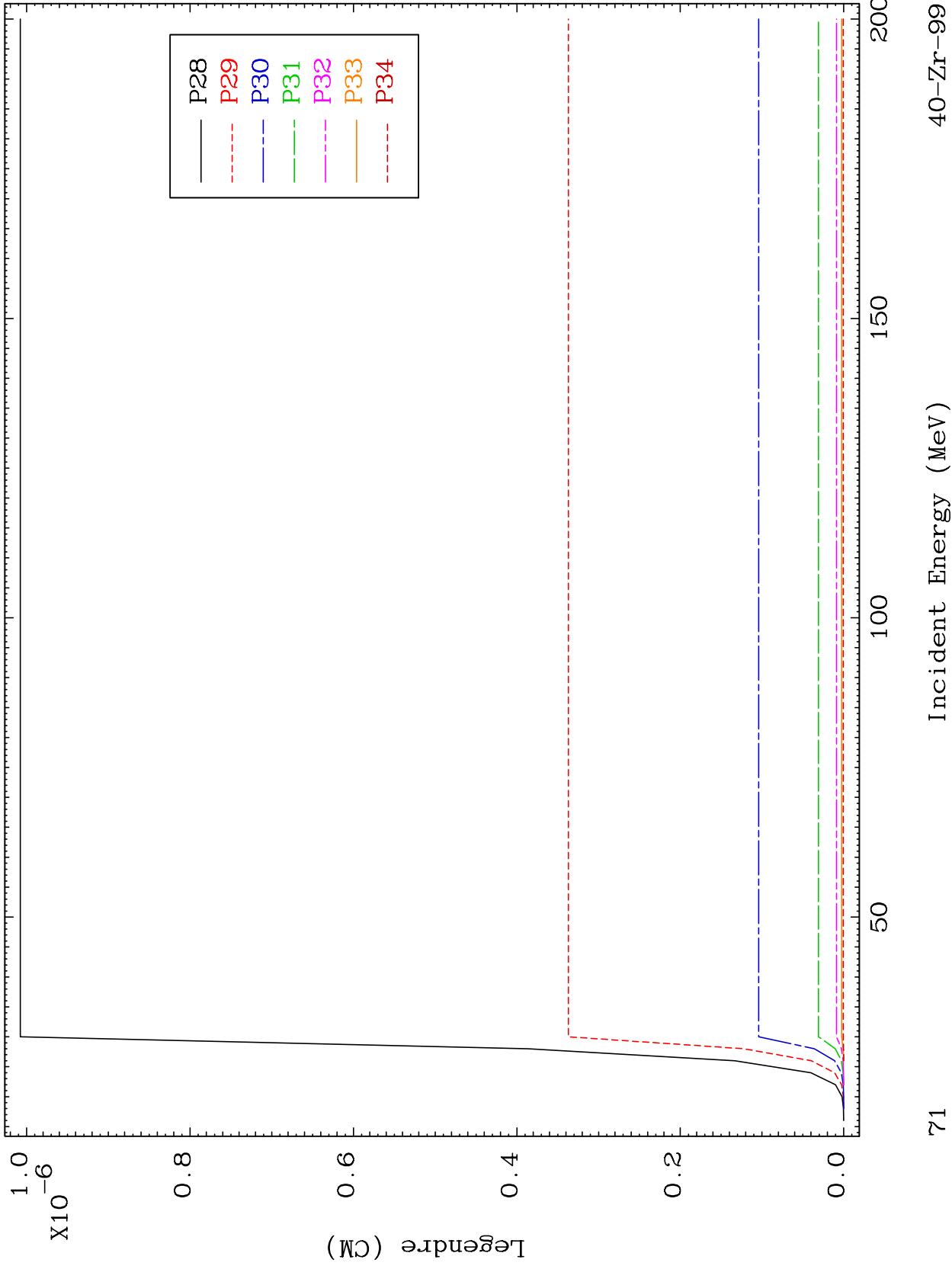
40-Zr-99



MAT 4052

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

40-Zr-99

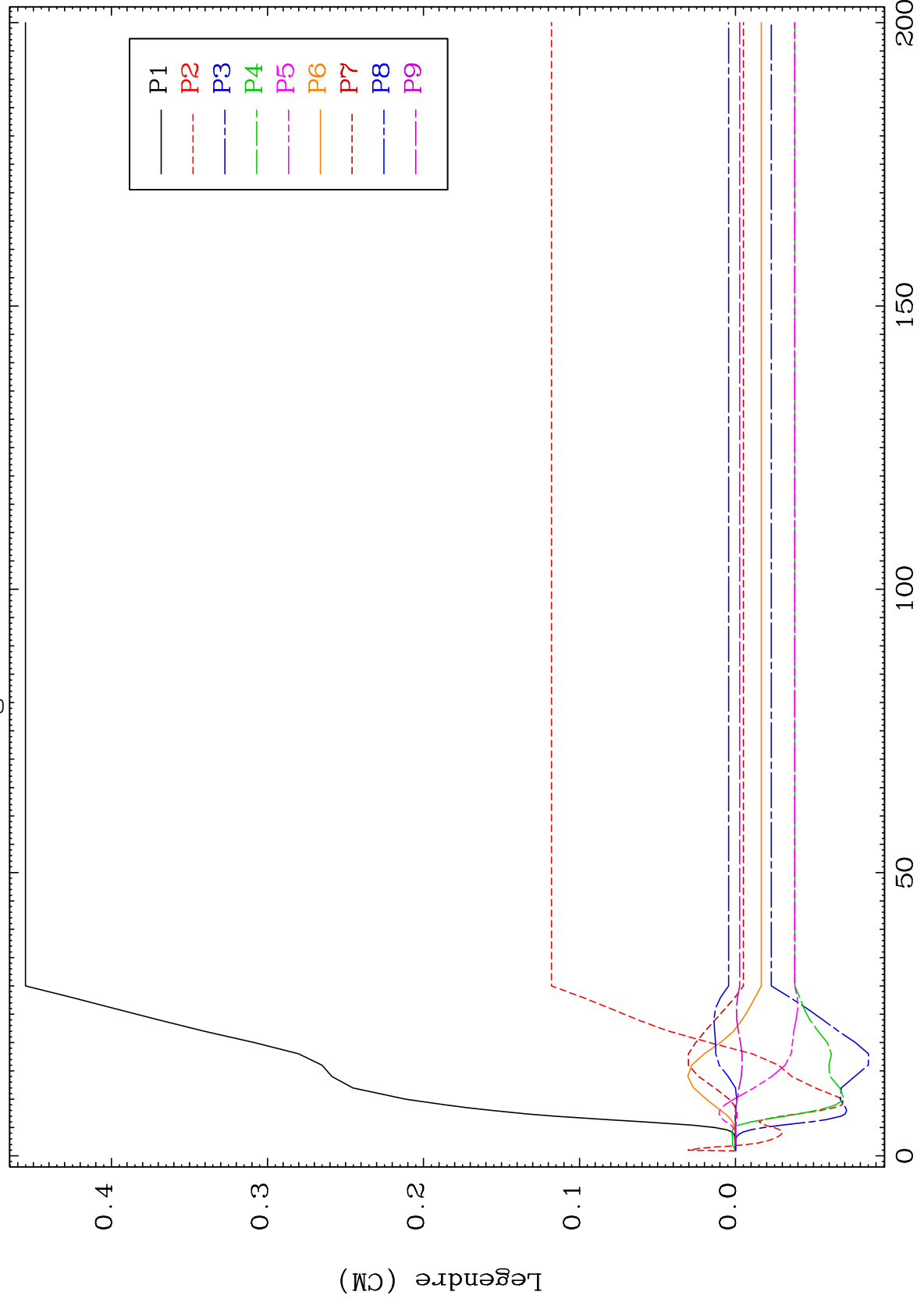




MAT 4052

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

40-Zr-99

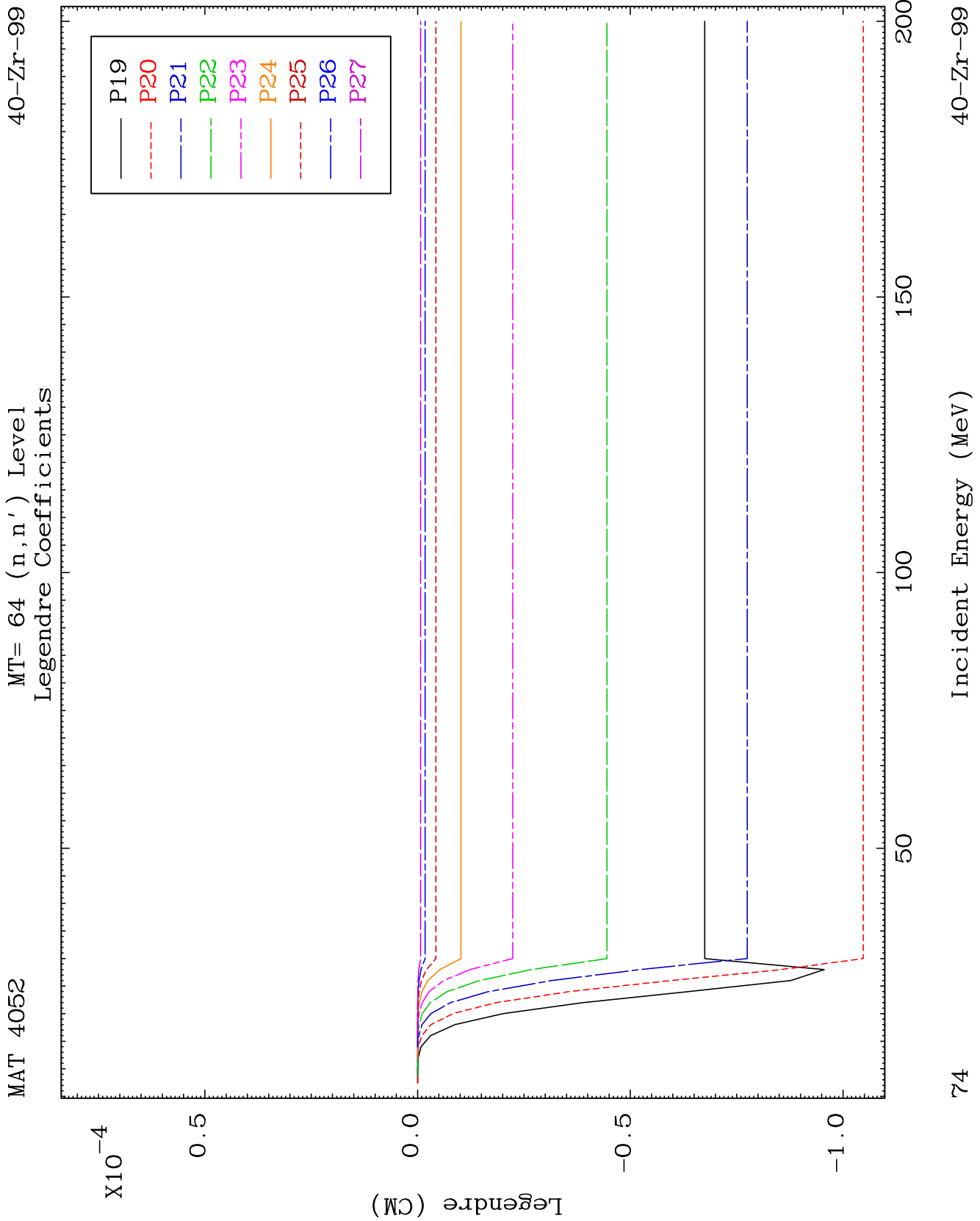


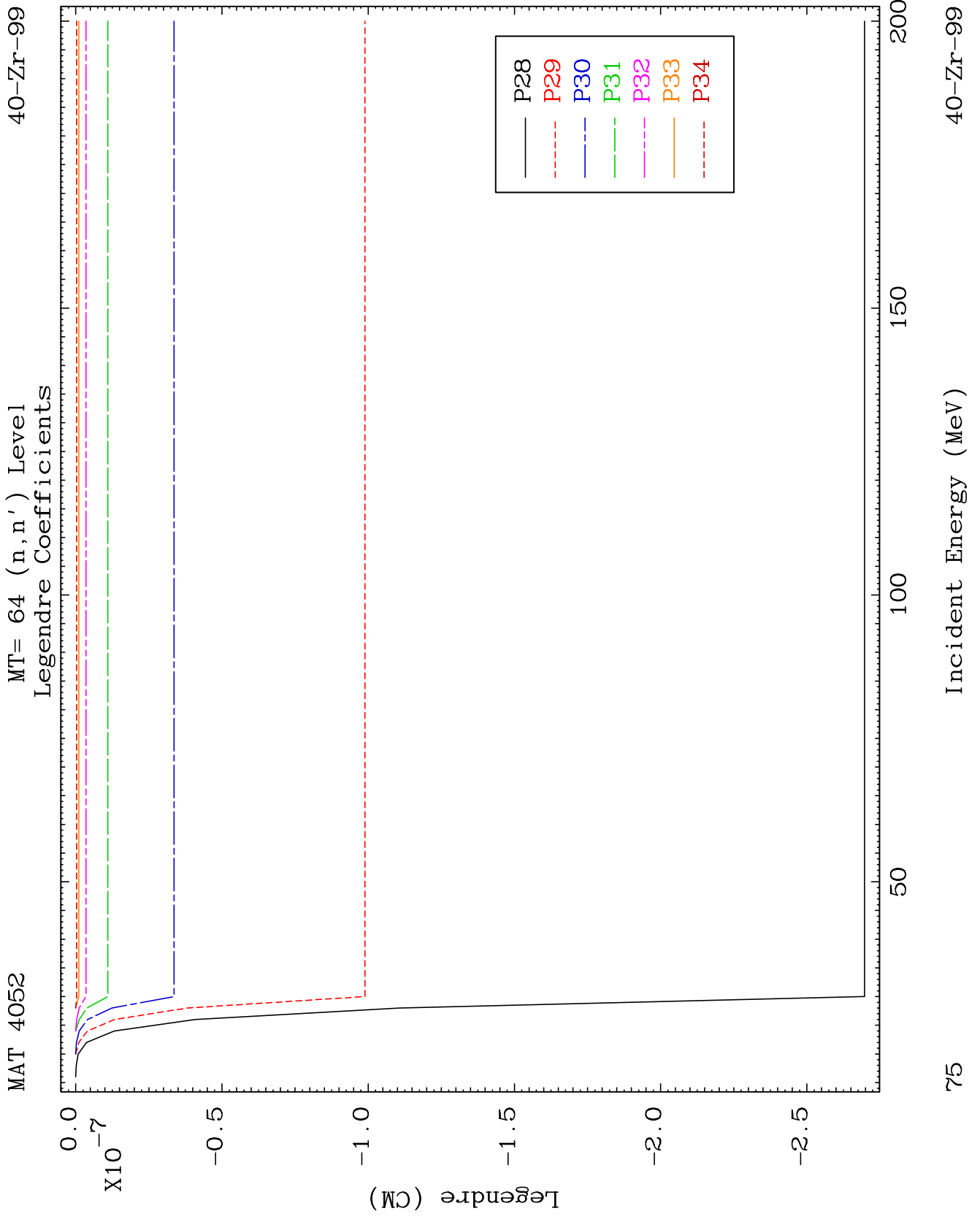
72

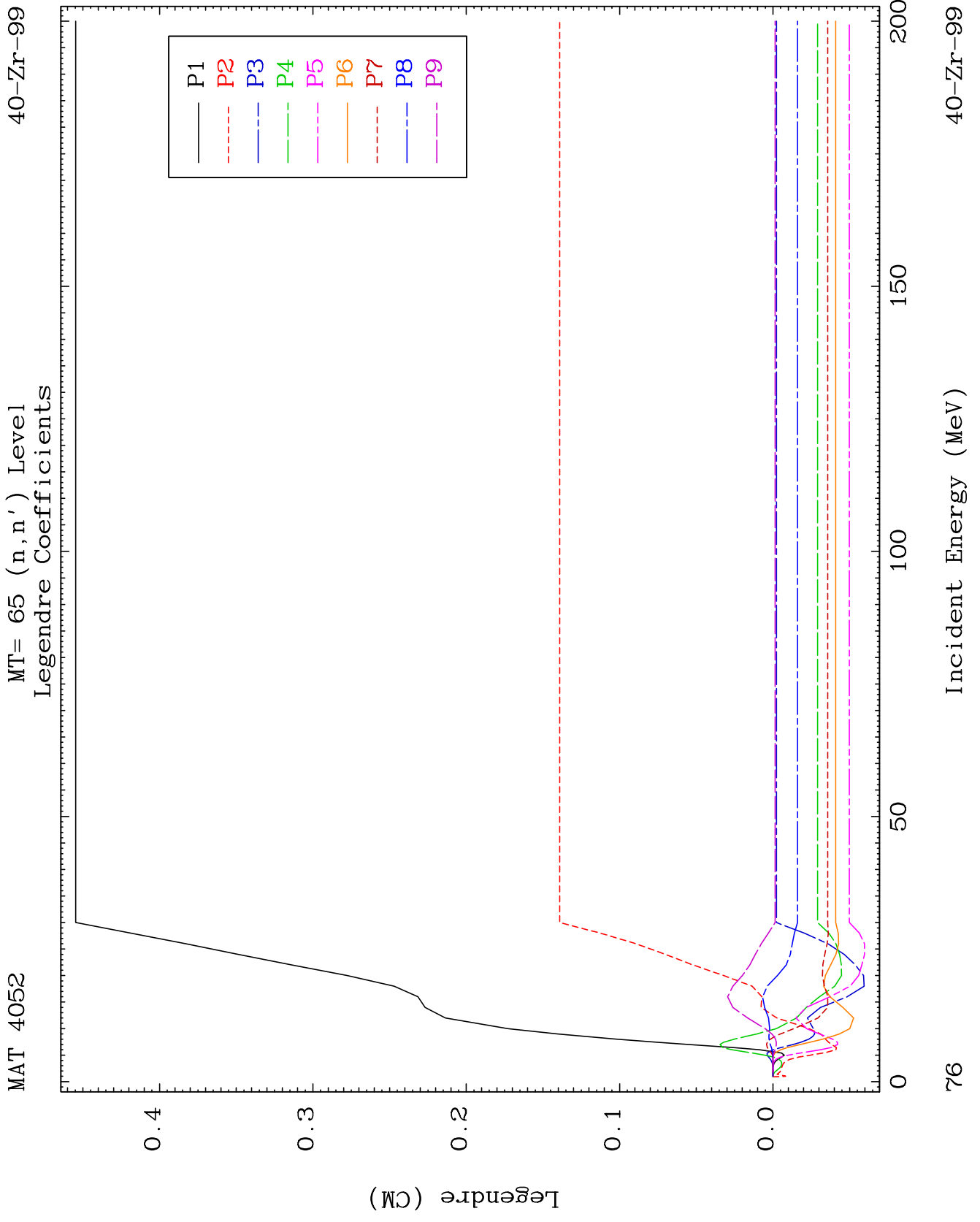
Incident Energy (MeV)

40-Zr-99





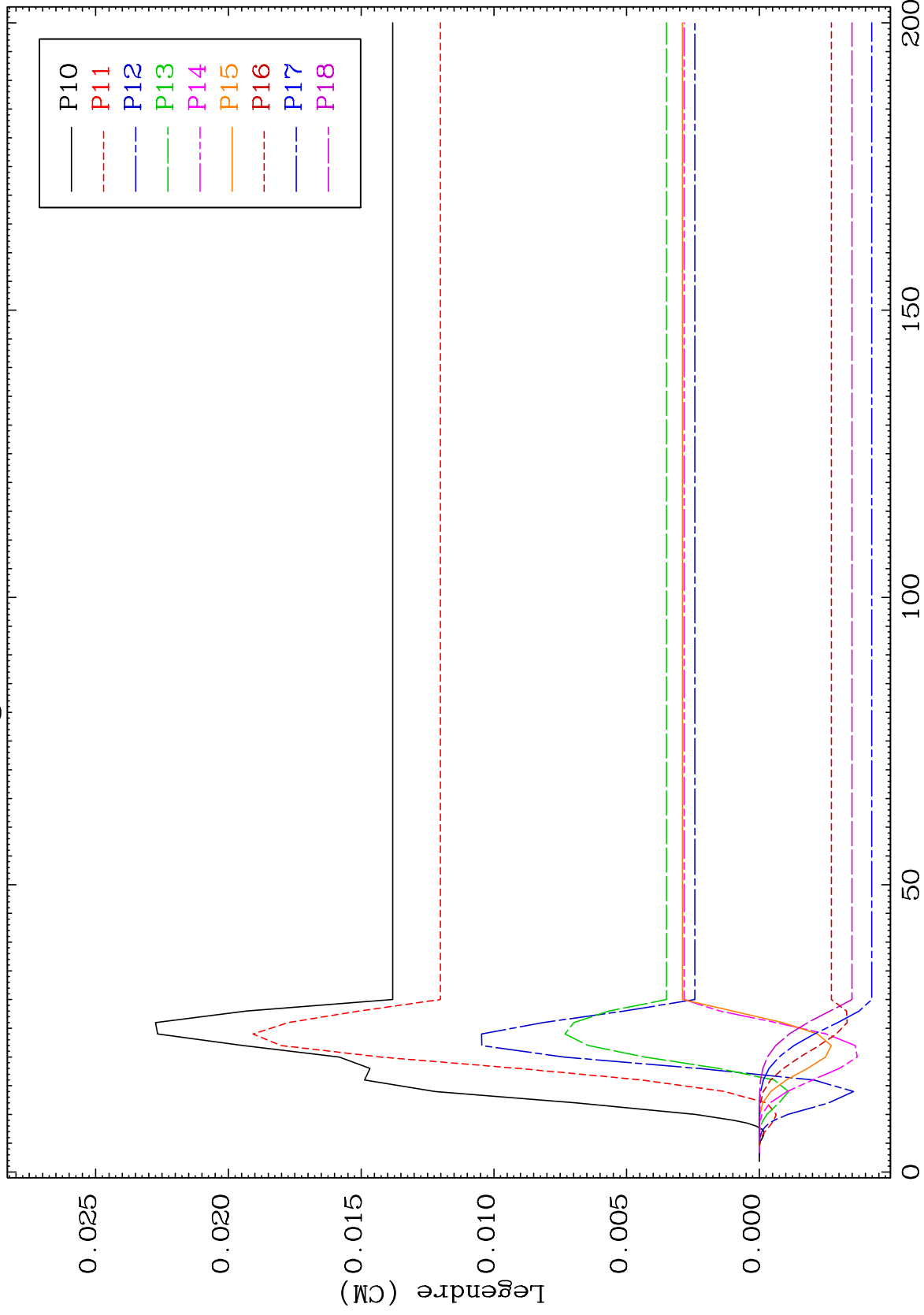




MAT 4052

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

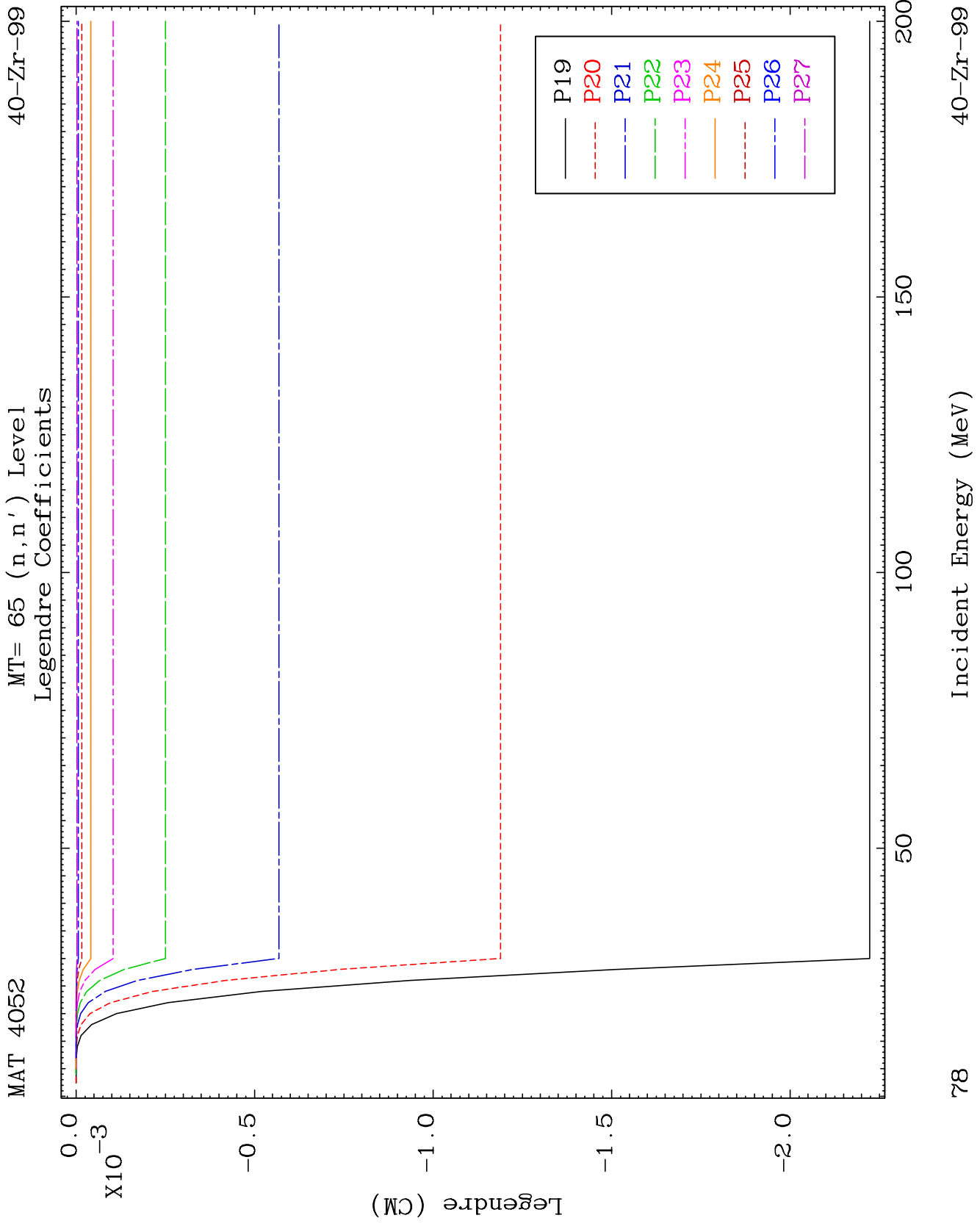
40-Zr-99

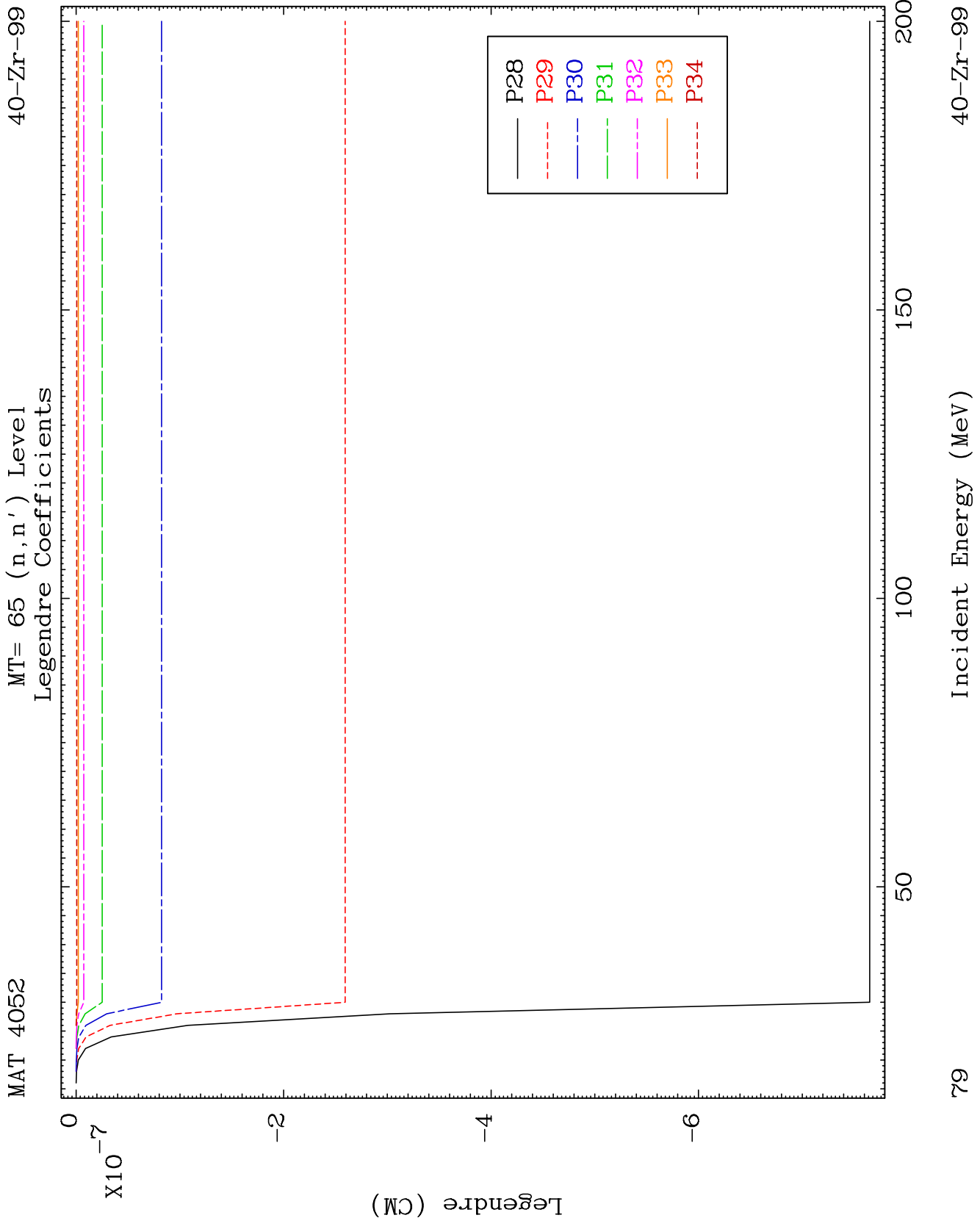


77

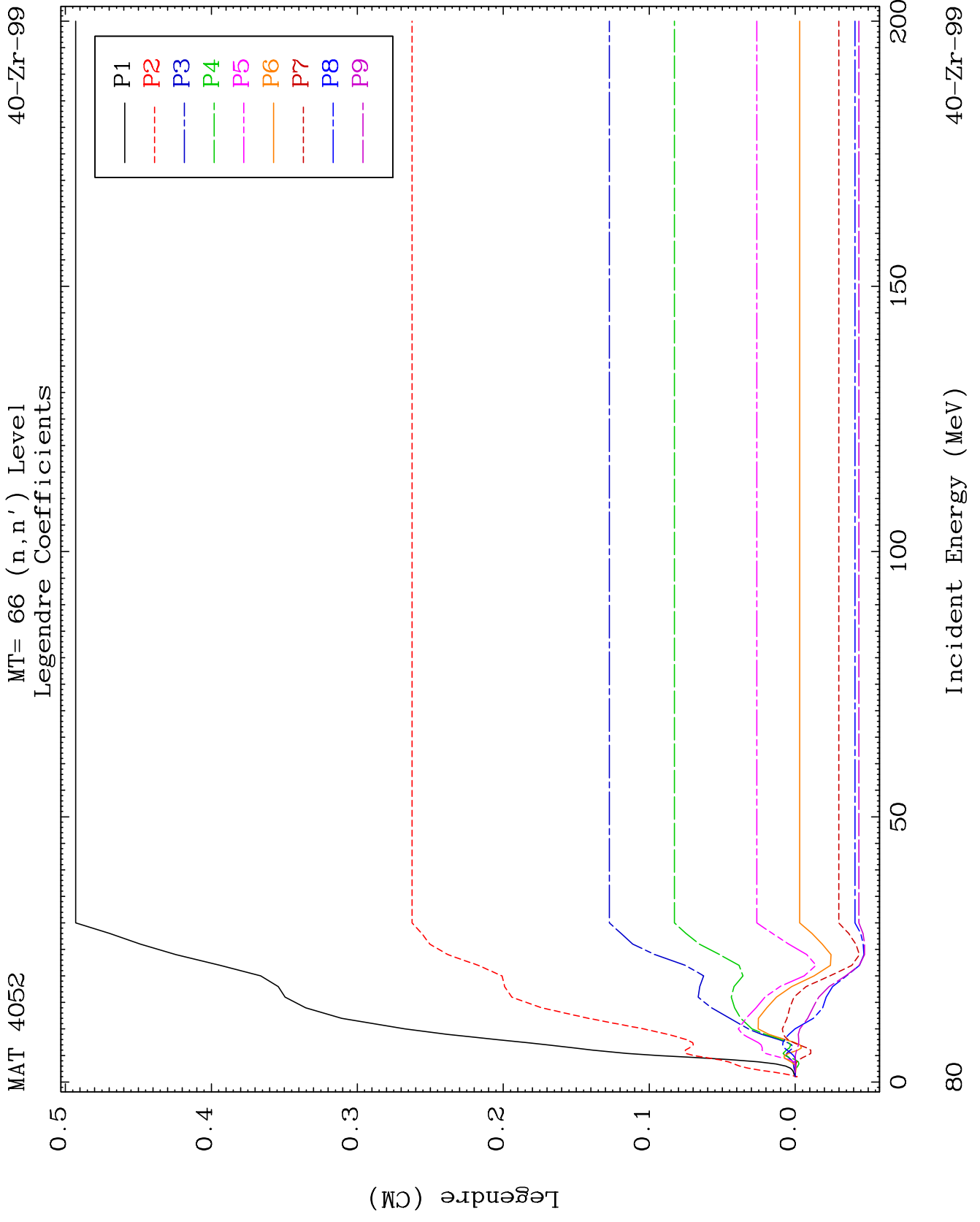
Incident Energy (MeV)

40-Zr-99





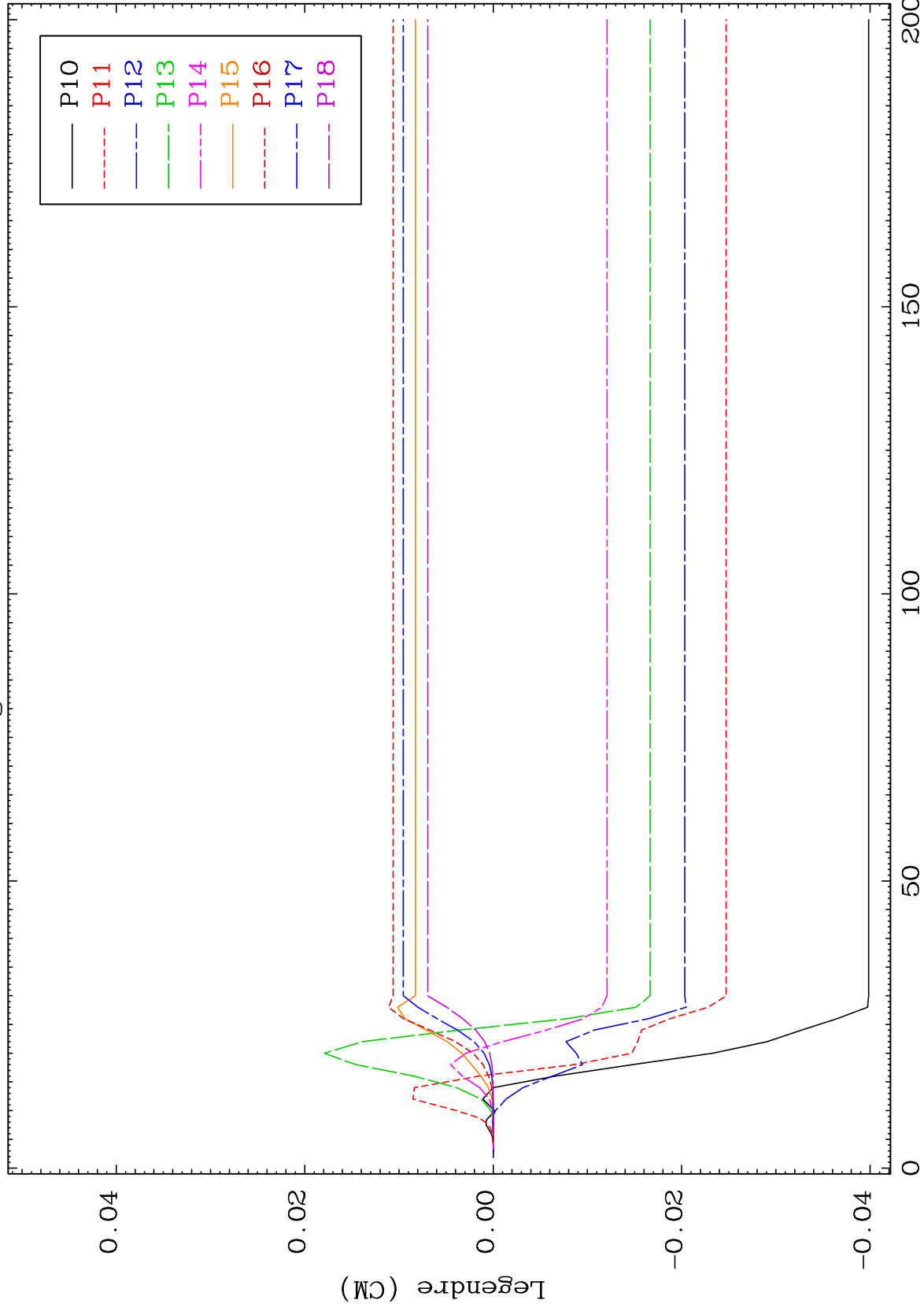




MAT 4052

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

40-Zr-99

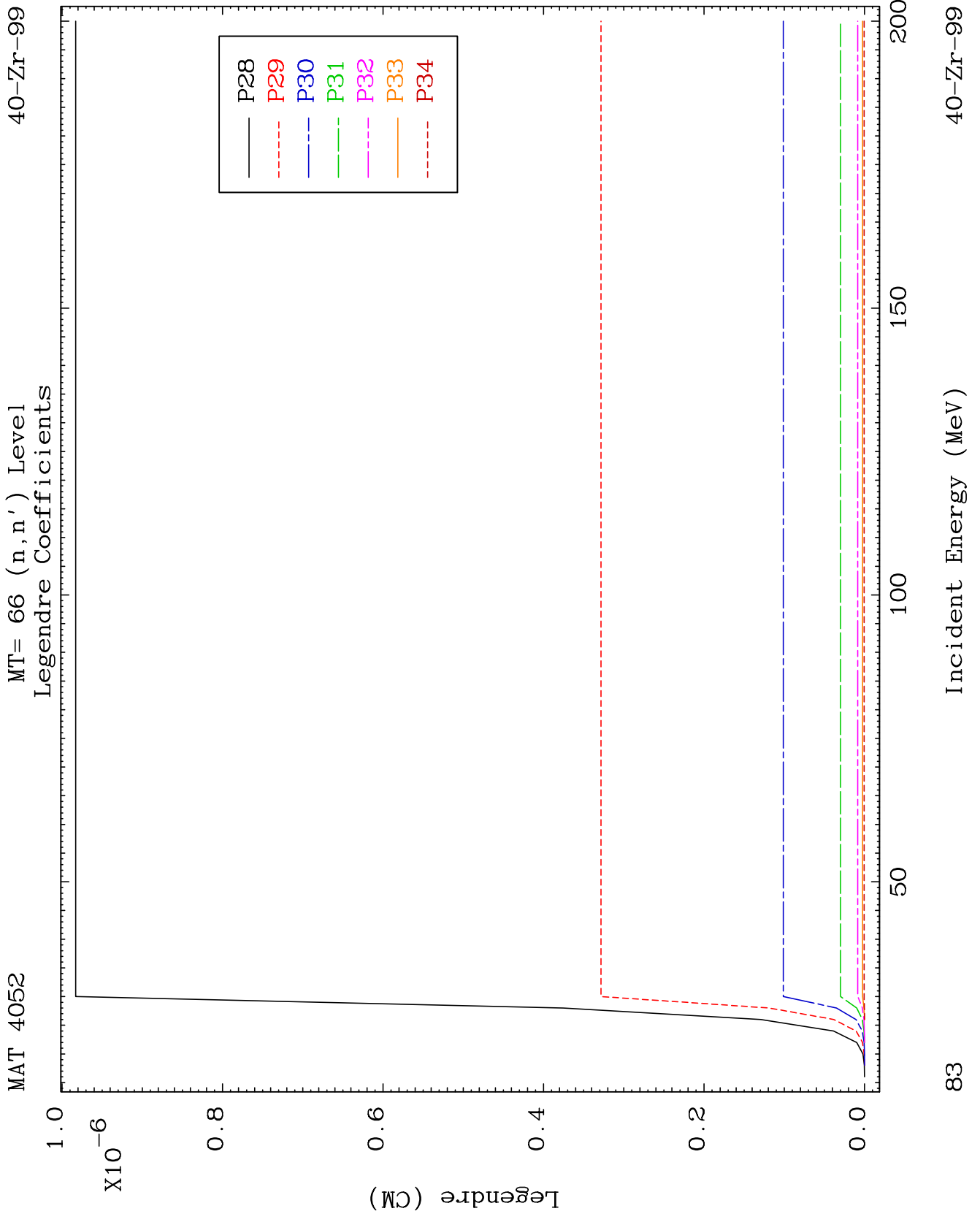


81

Incident Energy (MeV)

40-Zr-99



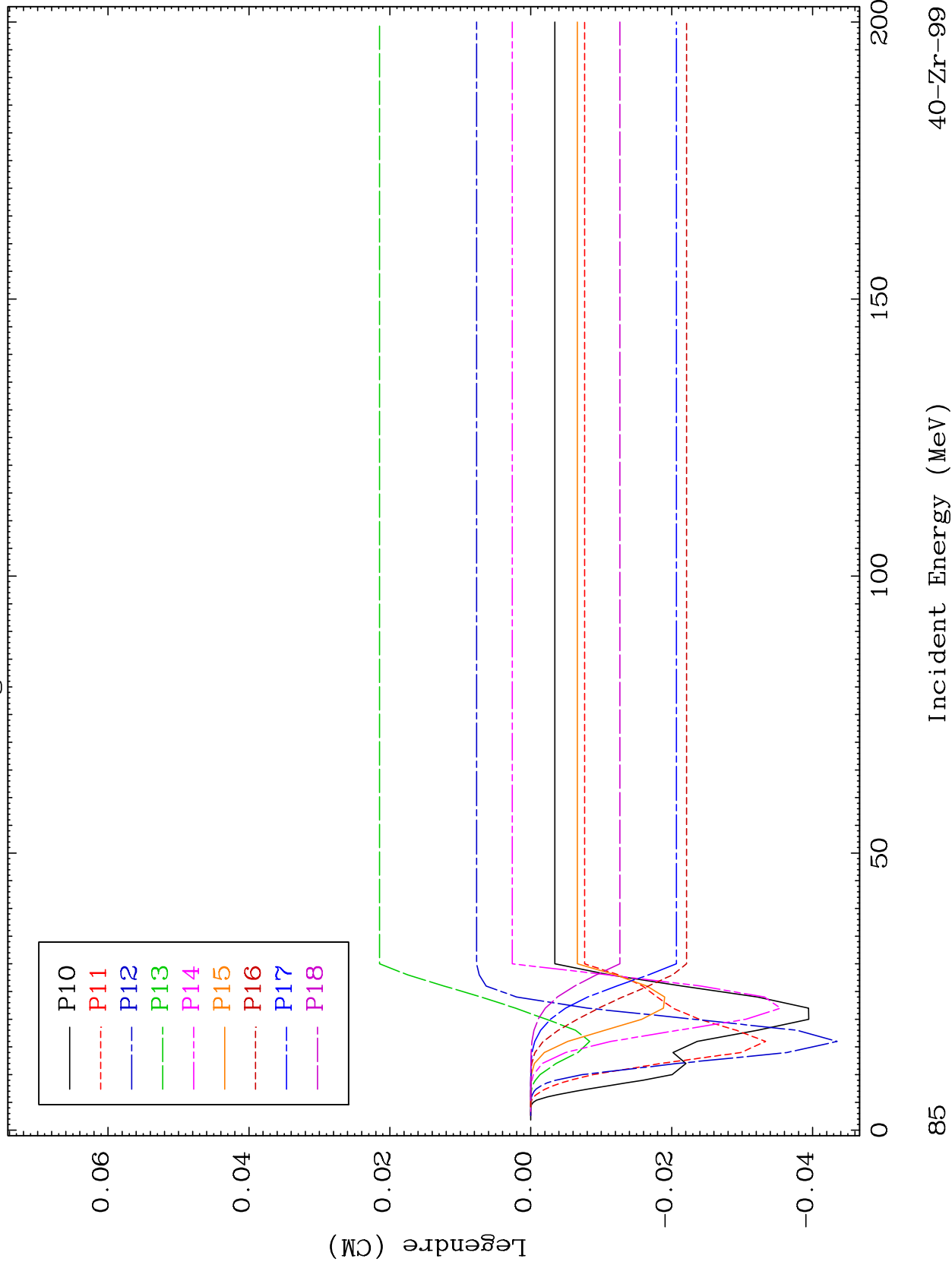




MAT 4052

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

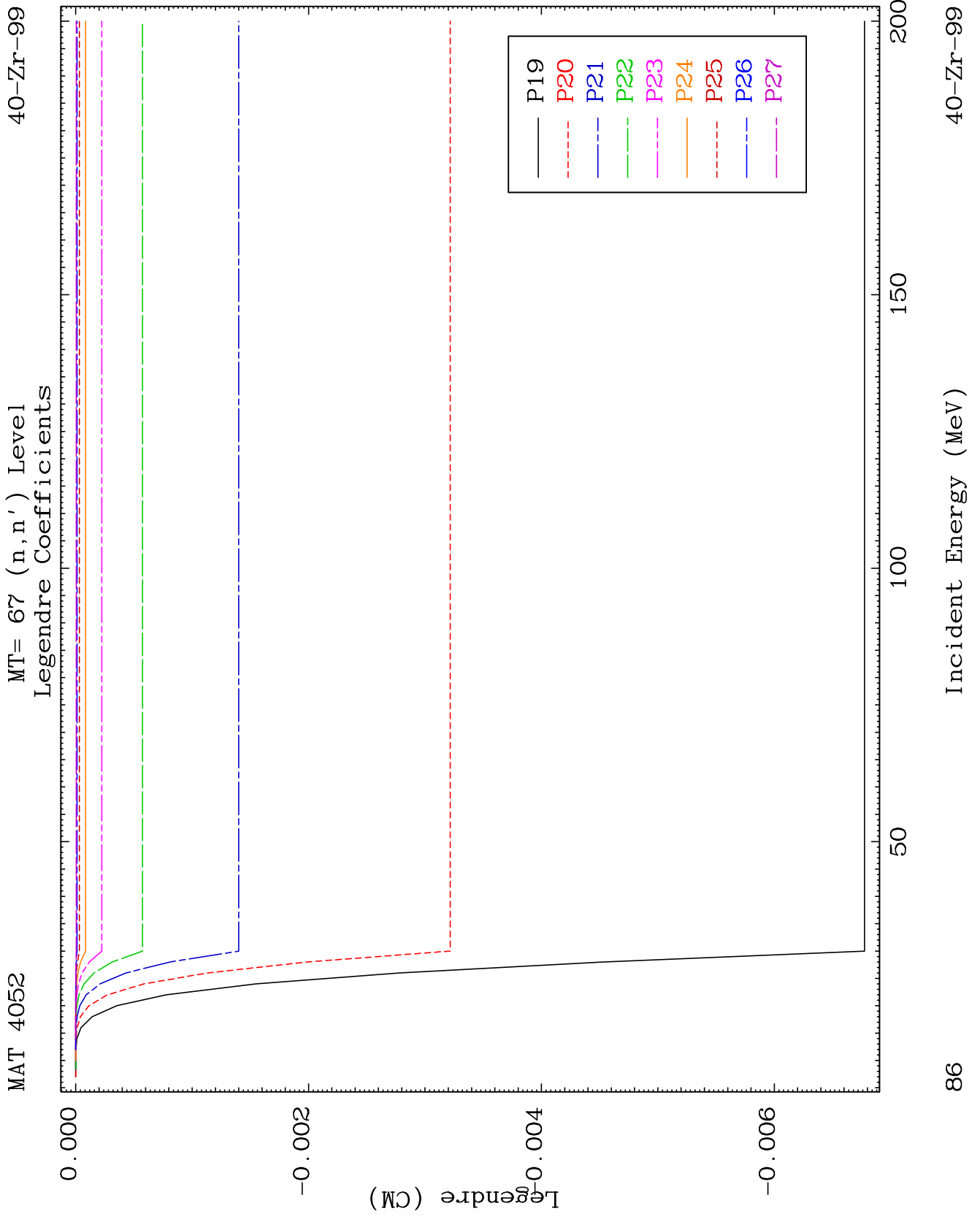
40-Zr-99

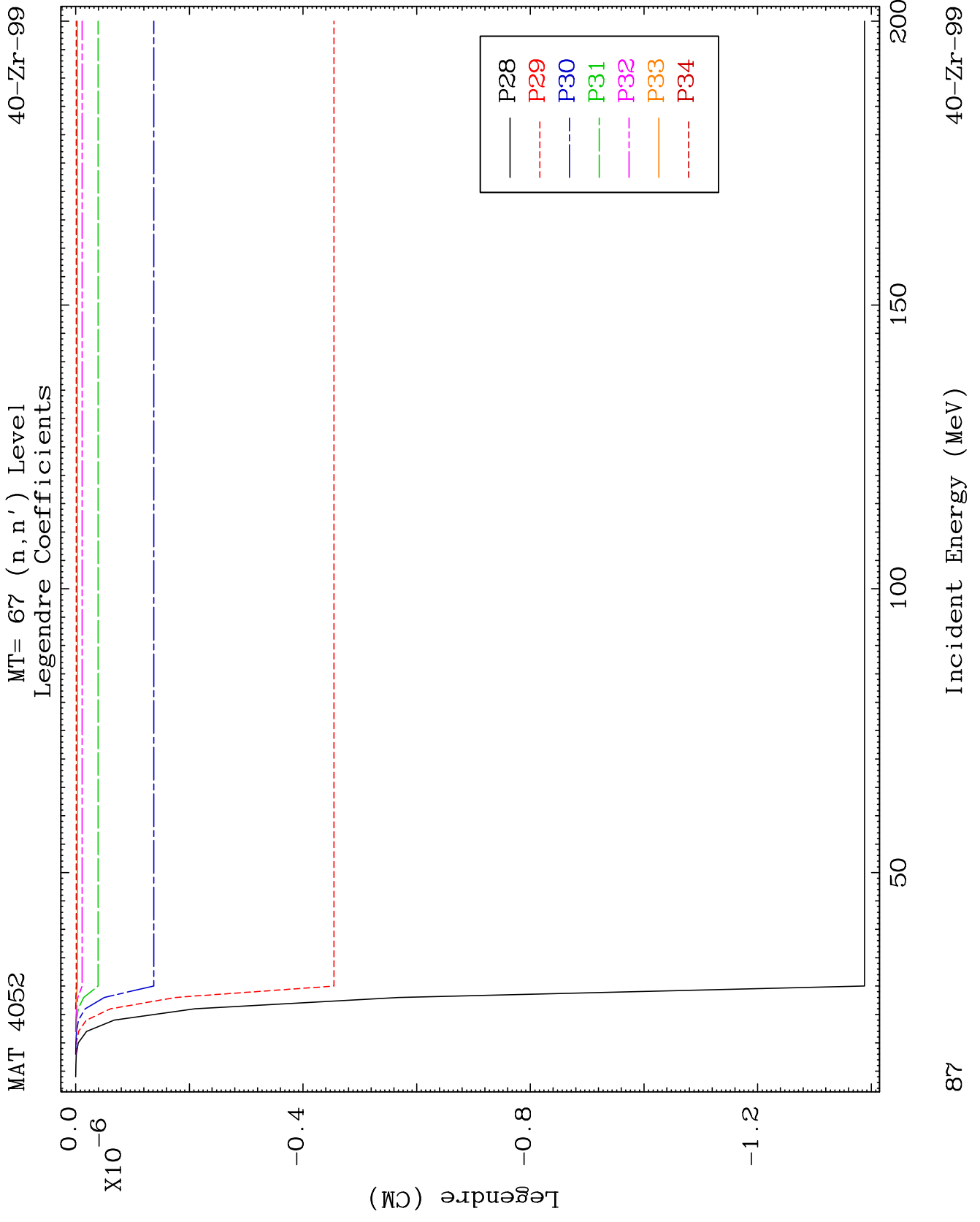


40-Zr-99

Incident Energy (MeV)

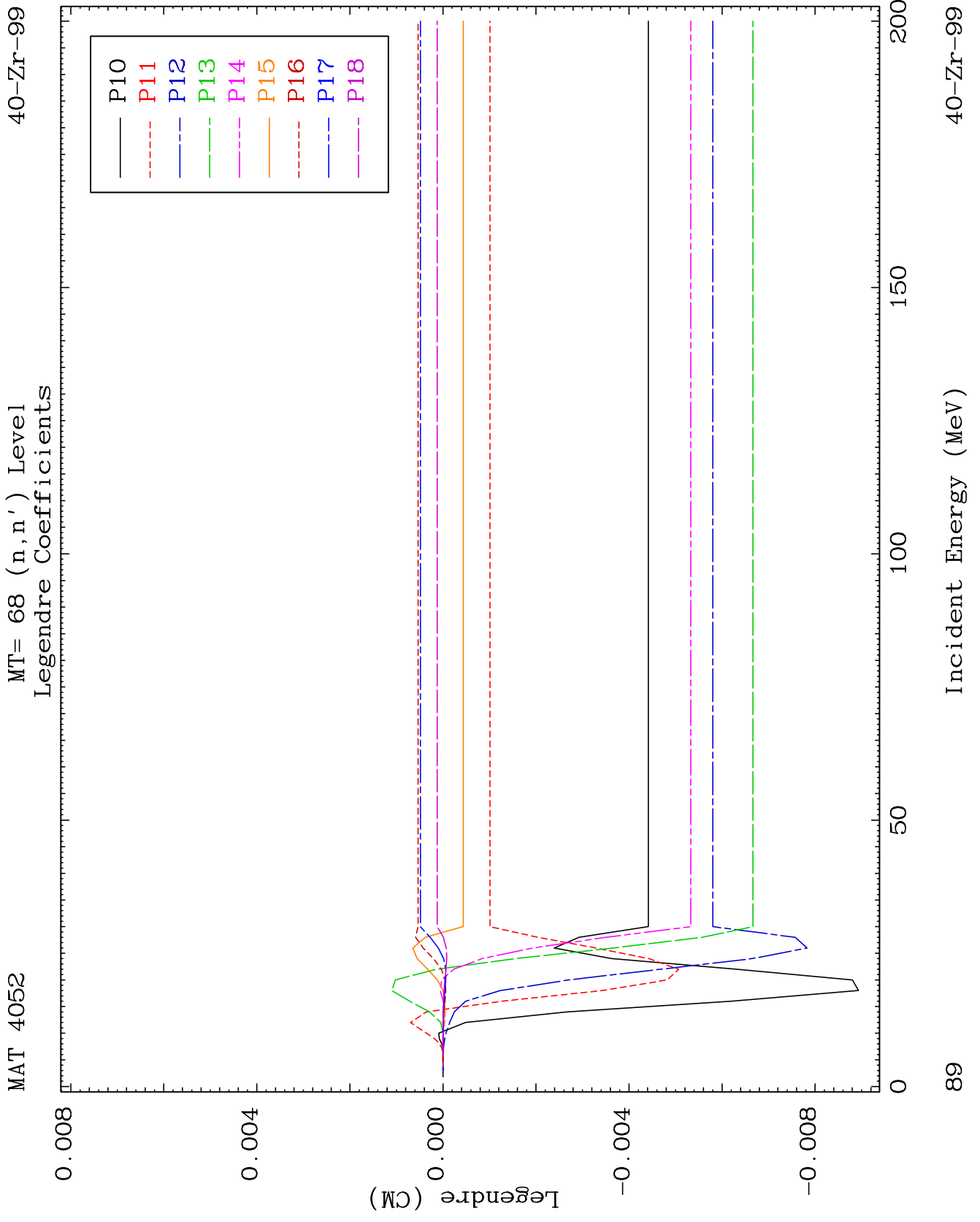
85

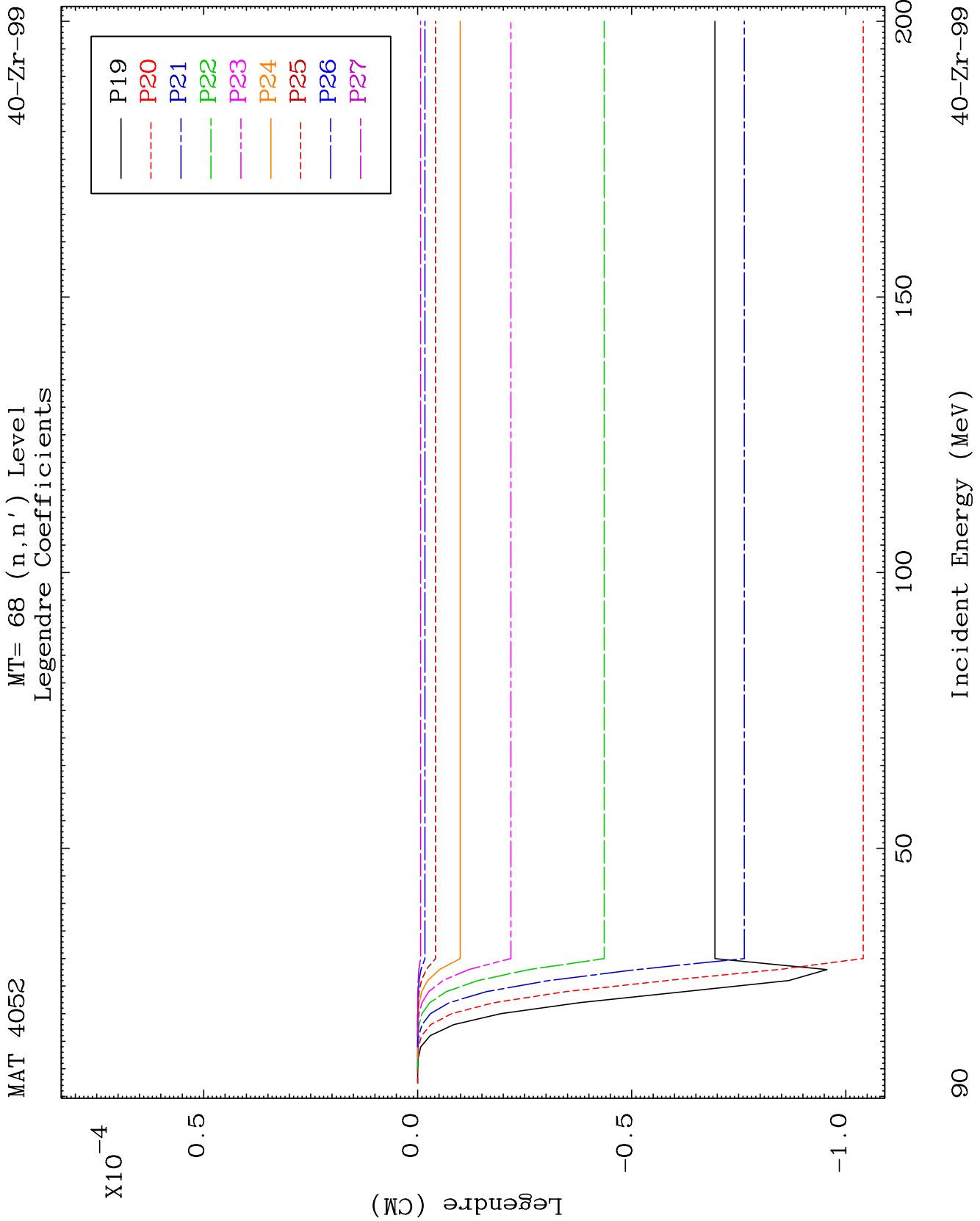


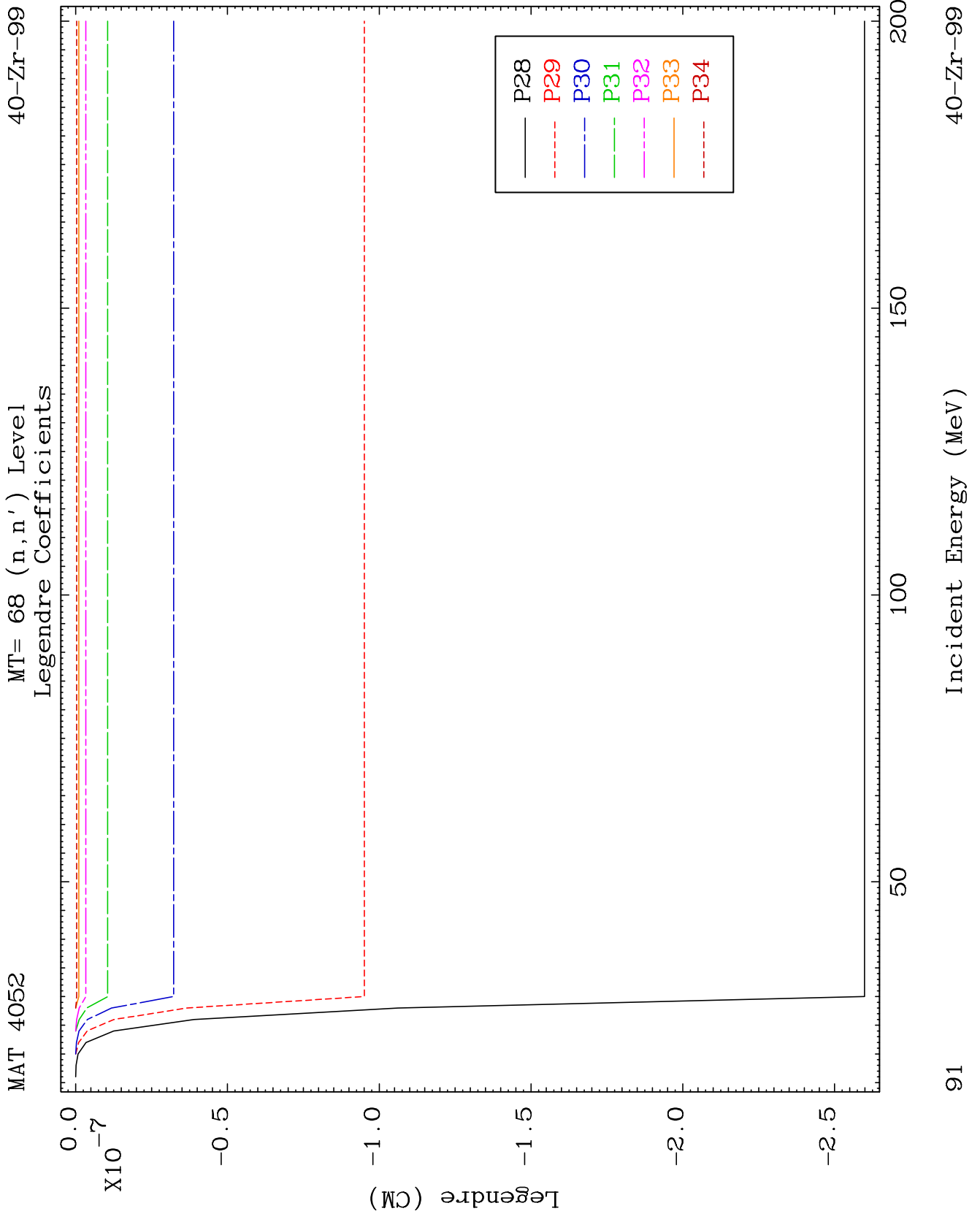










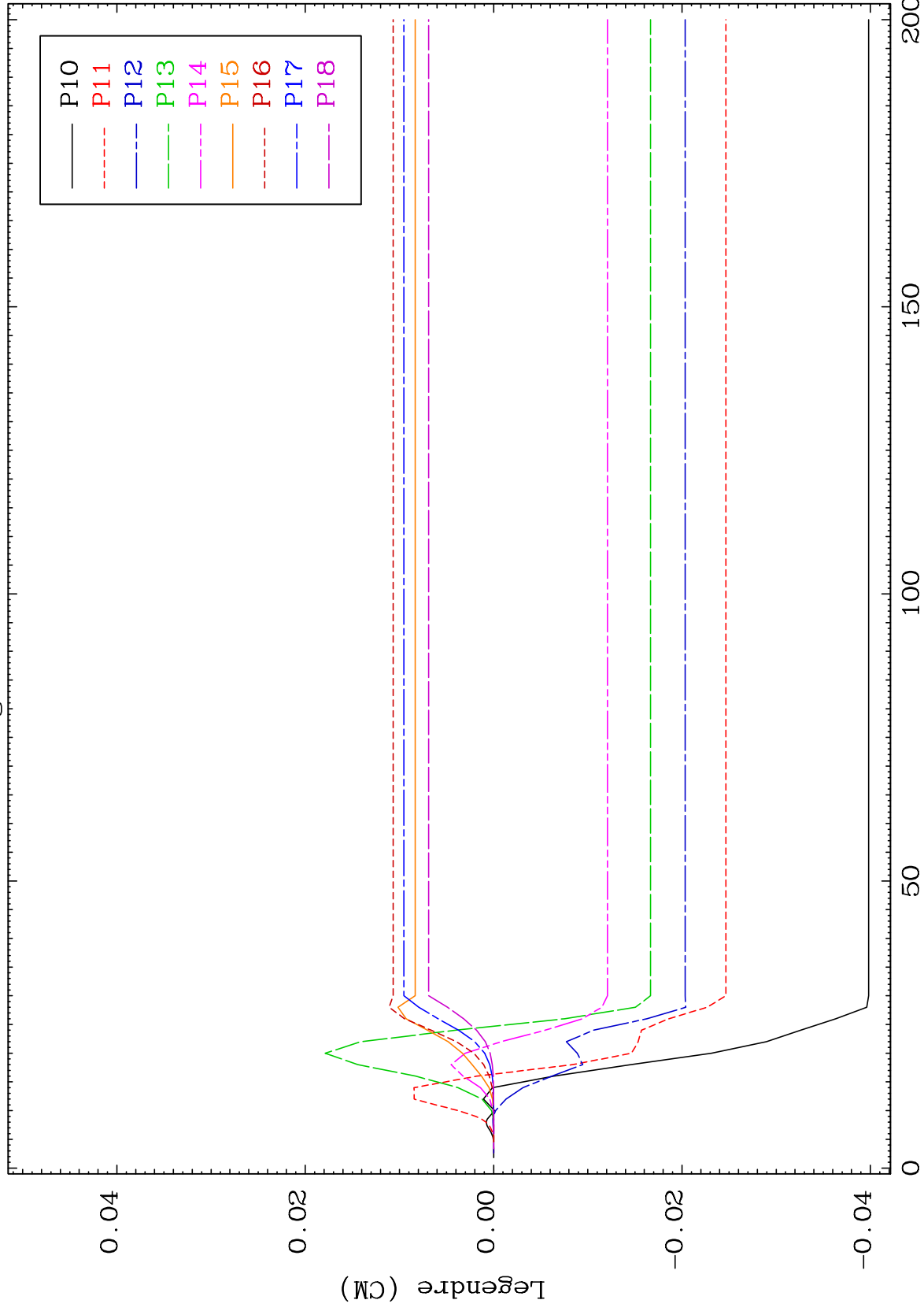




MAT 4052

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

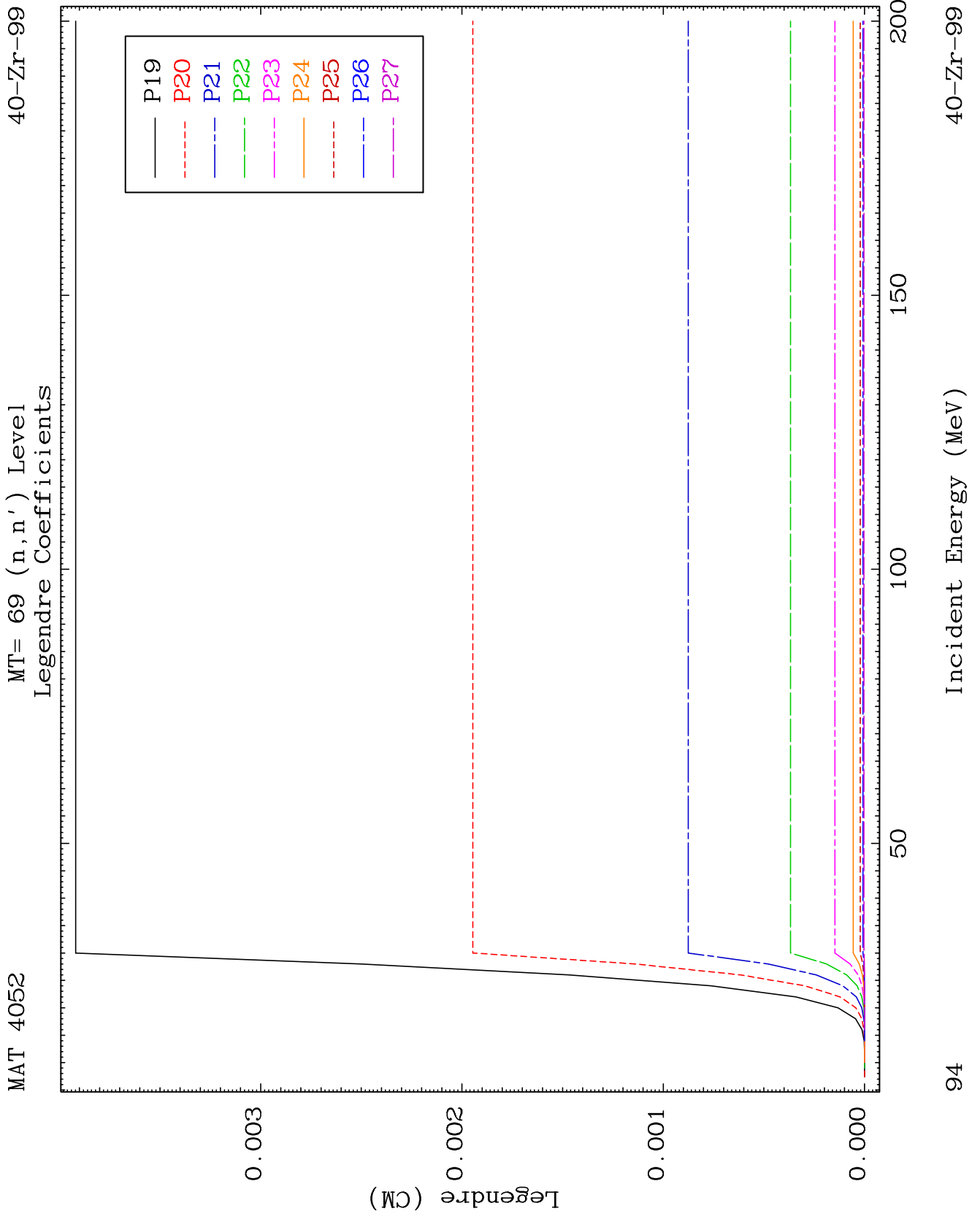
40-Zr-99

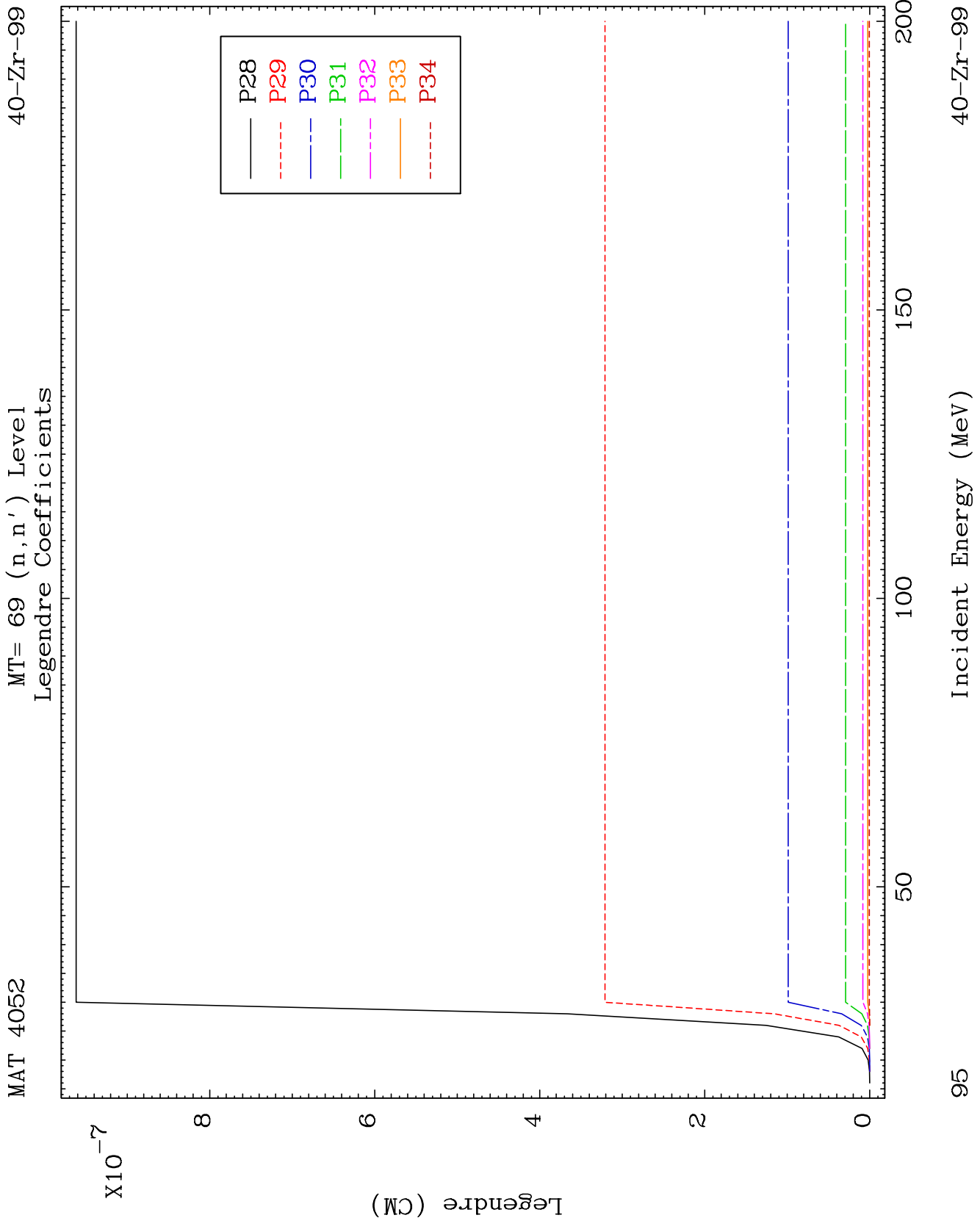


93

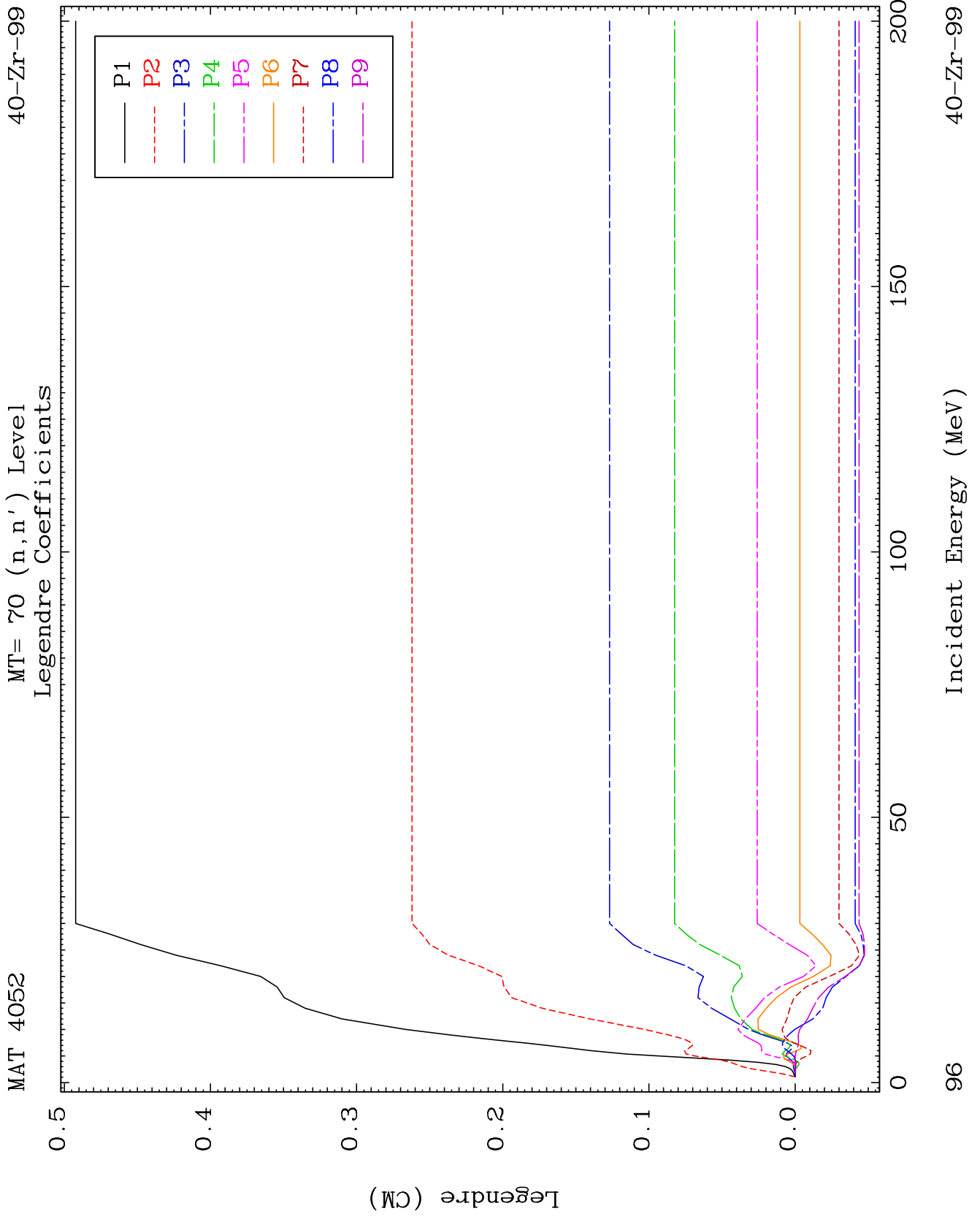
Incident Energy (MeV)

40-Zr-99





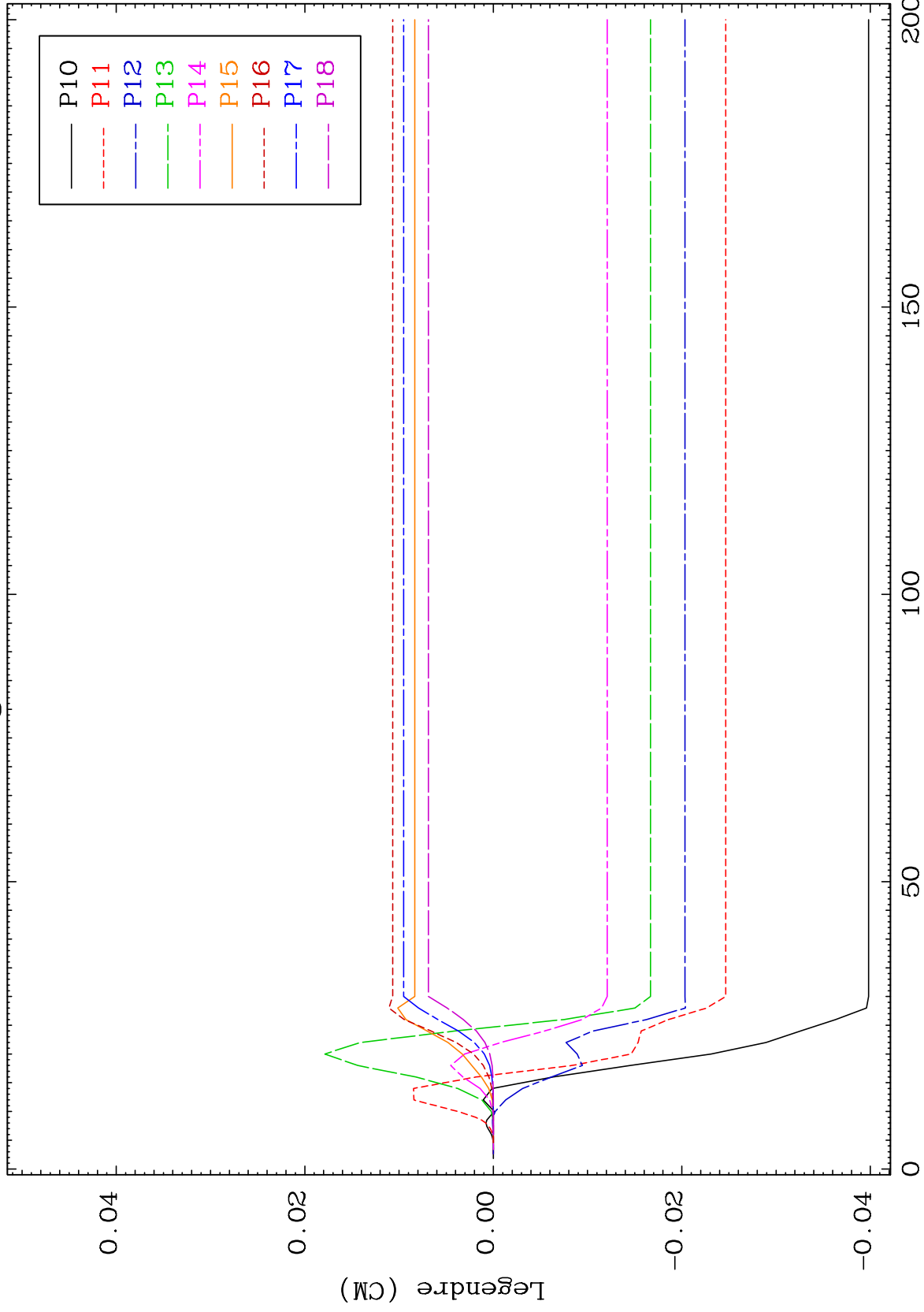




MAT 4052

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

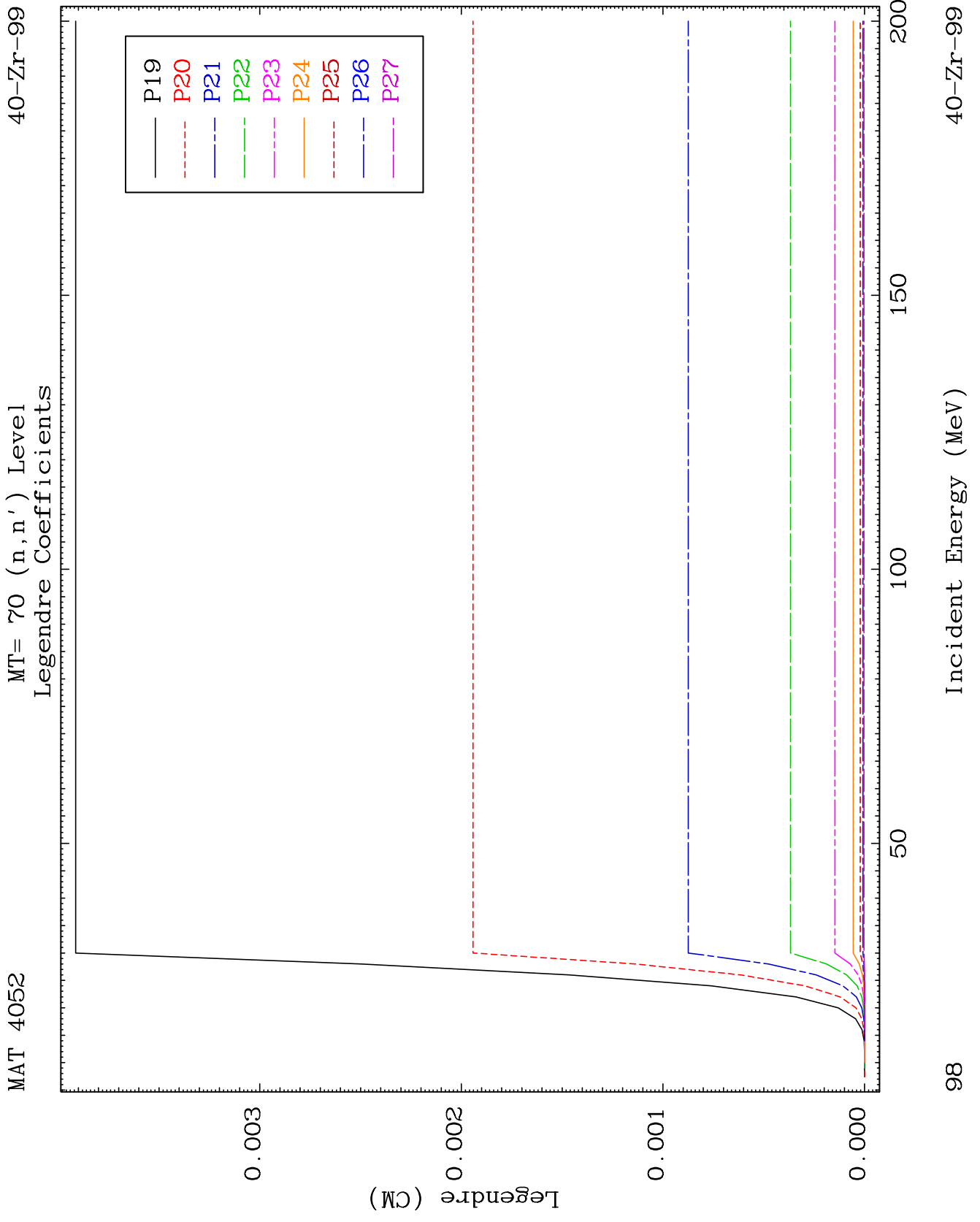
40-Zr-99

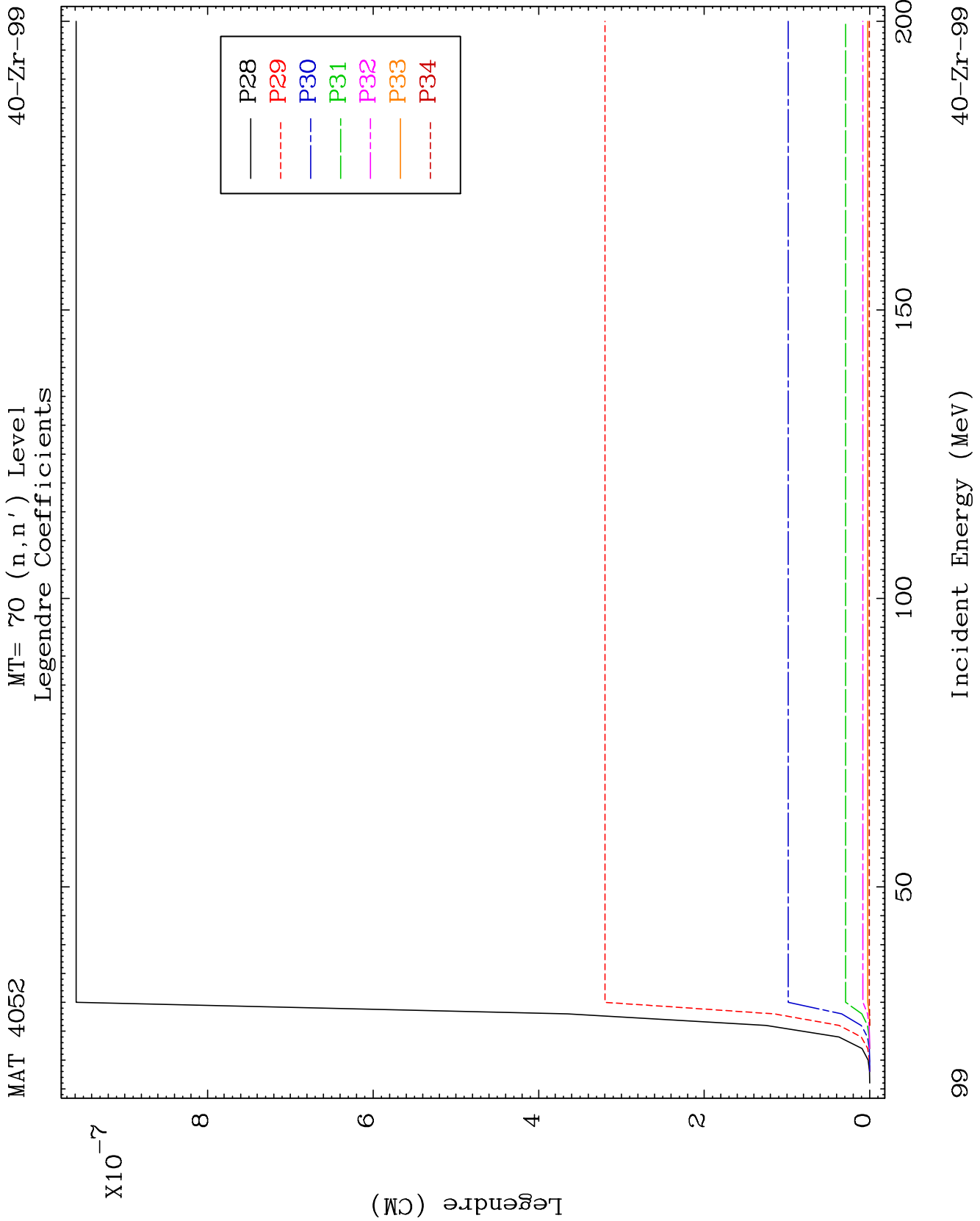


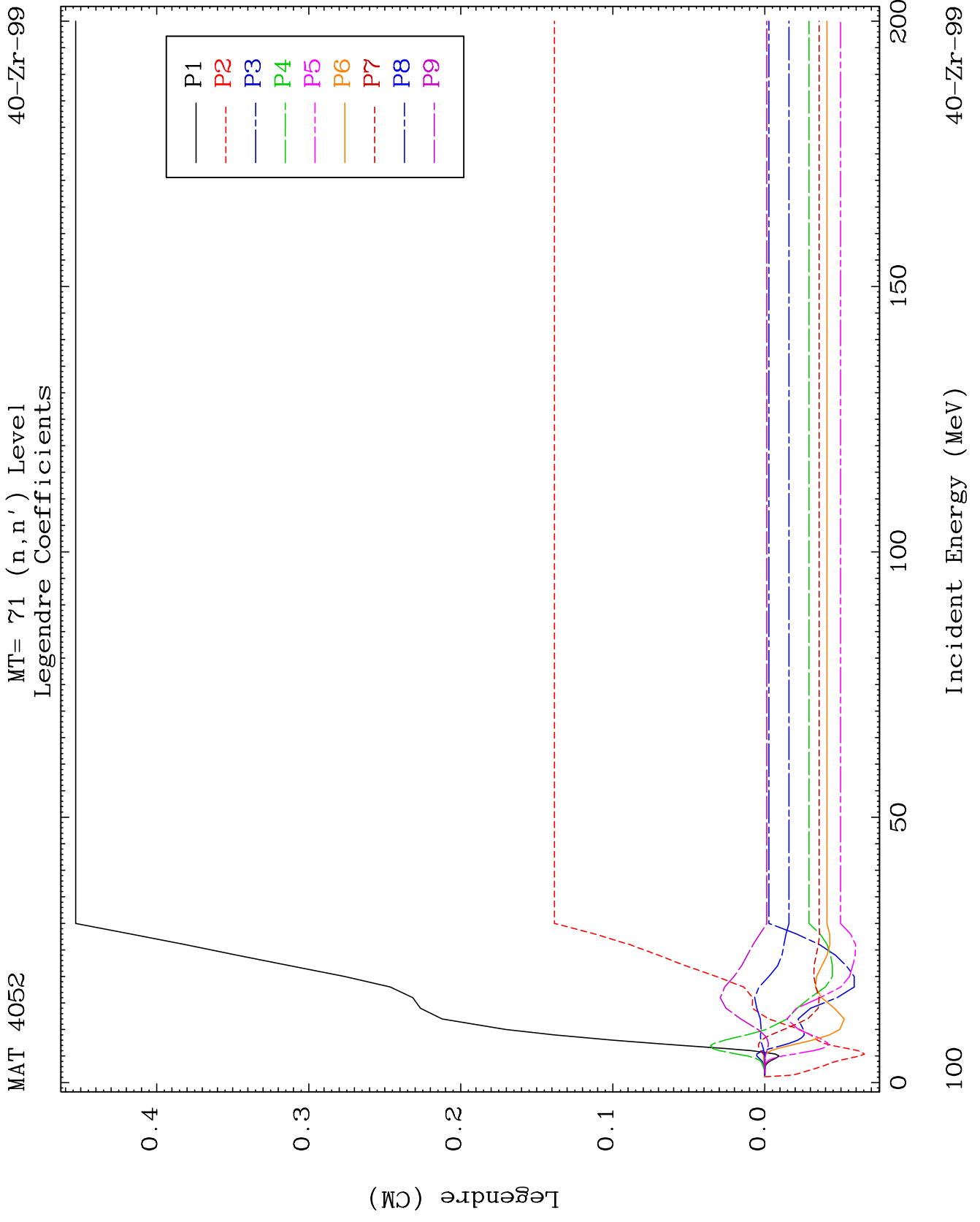
97

Incident Energy (MeV)

40-Zr-99



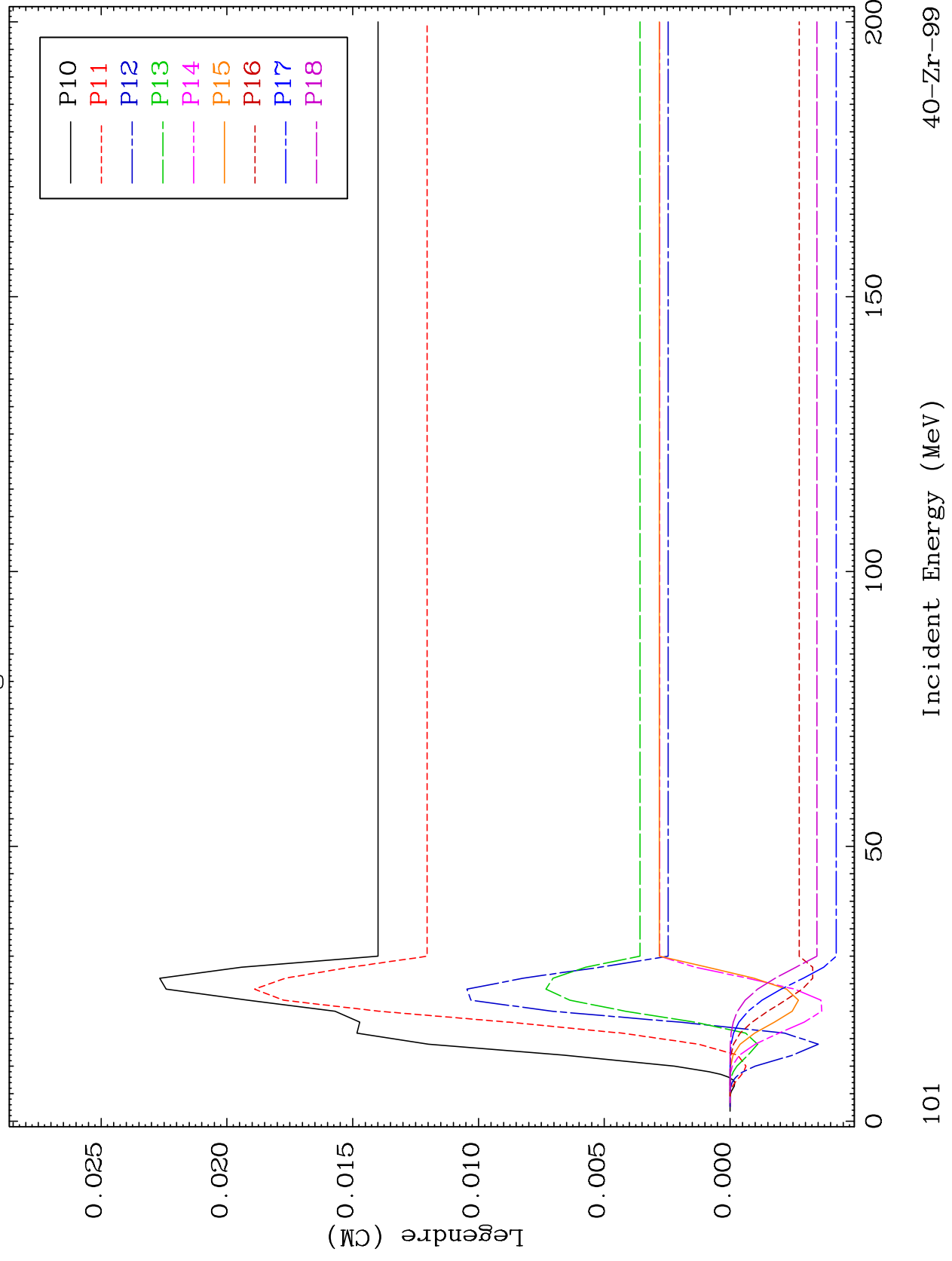




MAT 4052

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

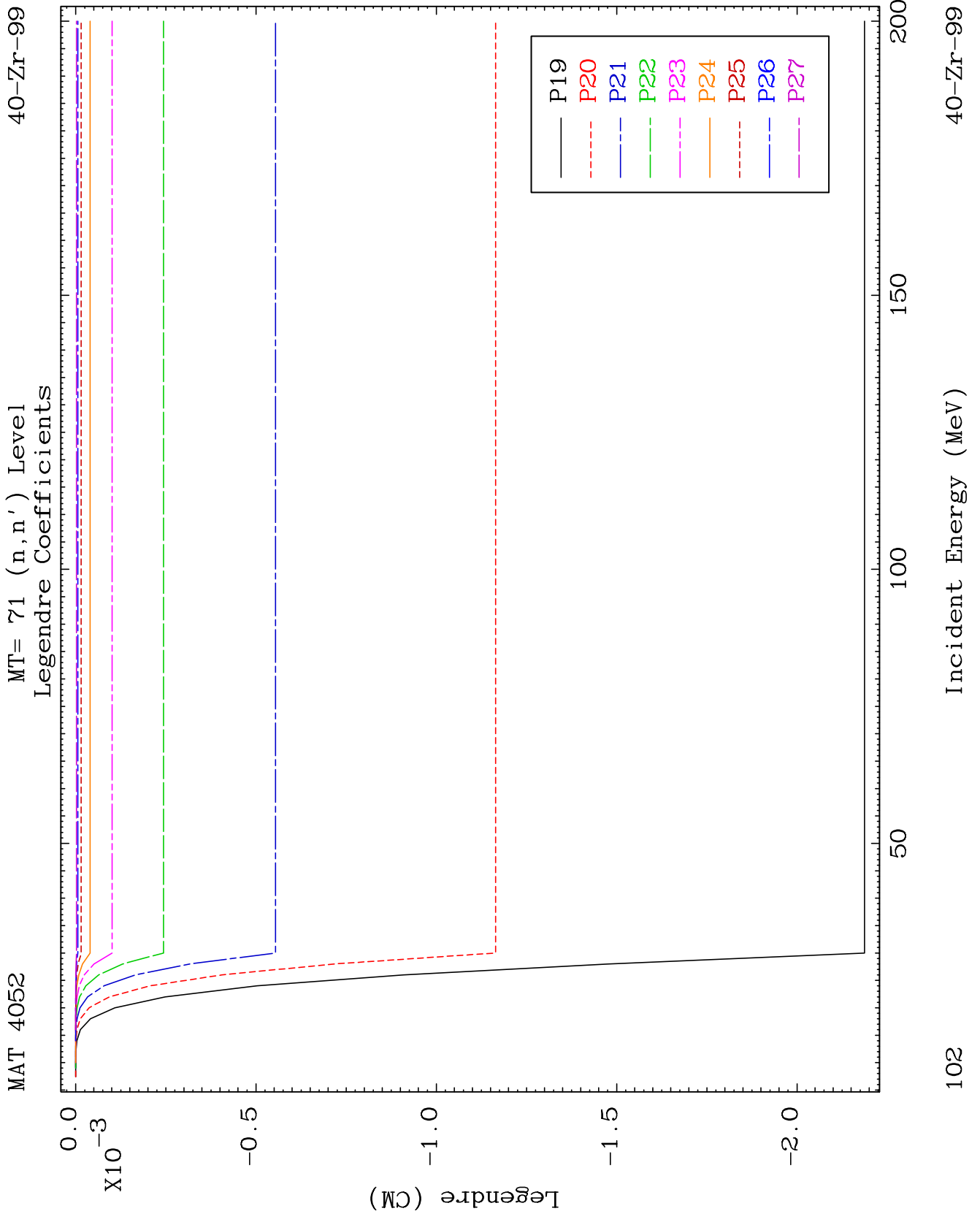
40-Zr-99

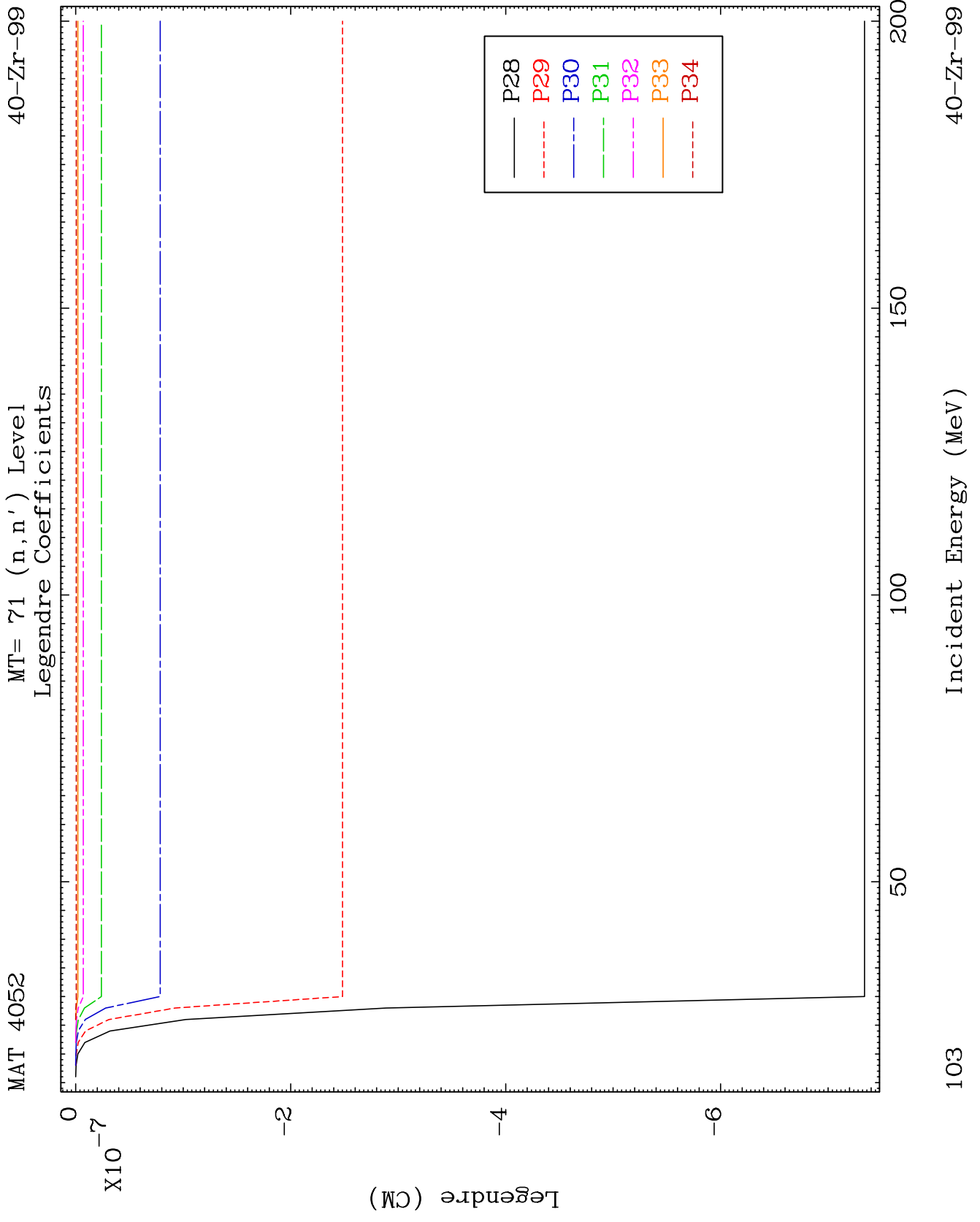


40-Zr-99

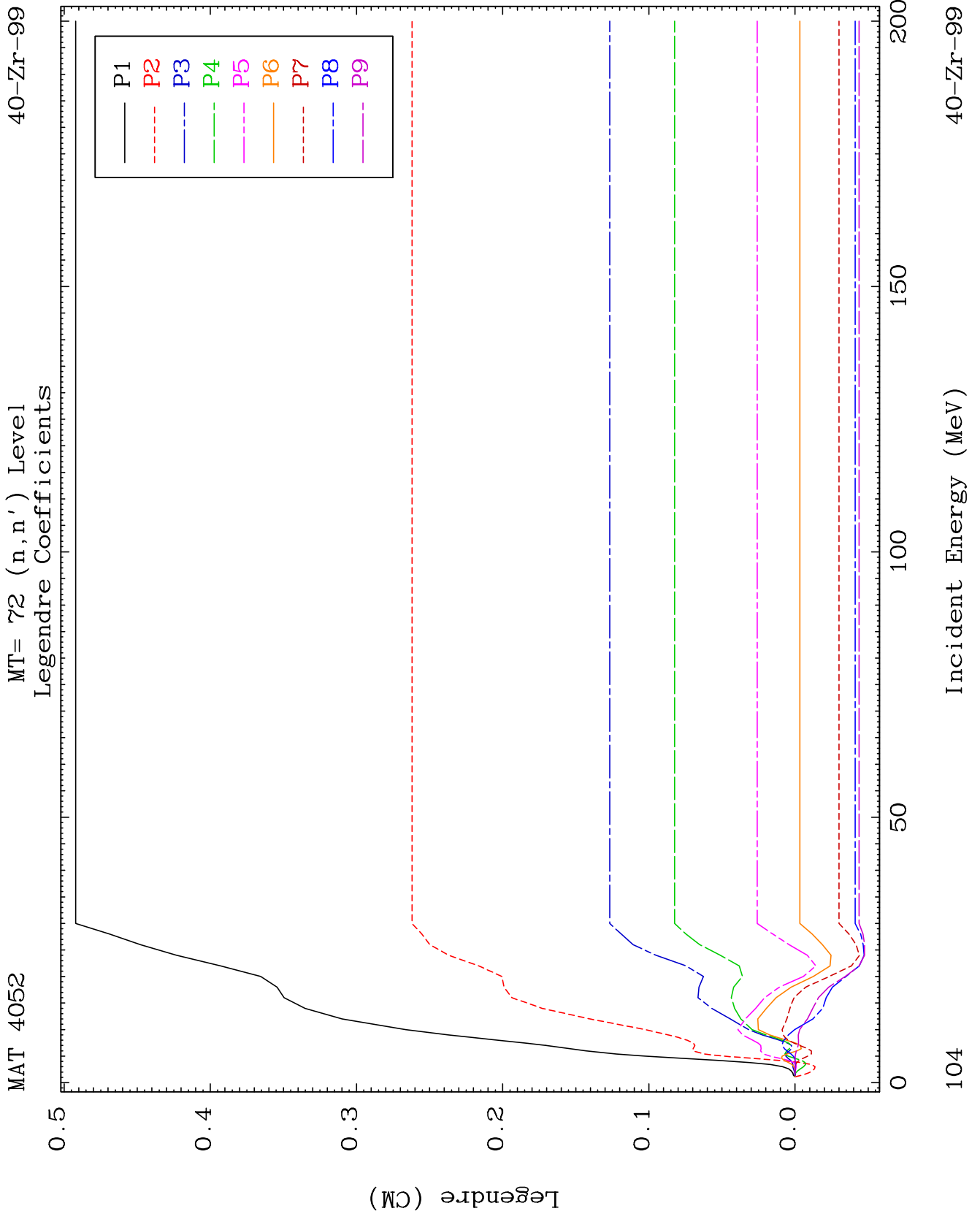
Incident Energy (MeV)

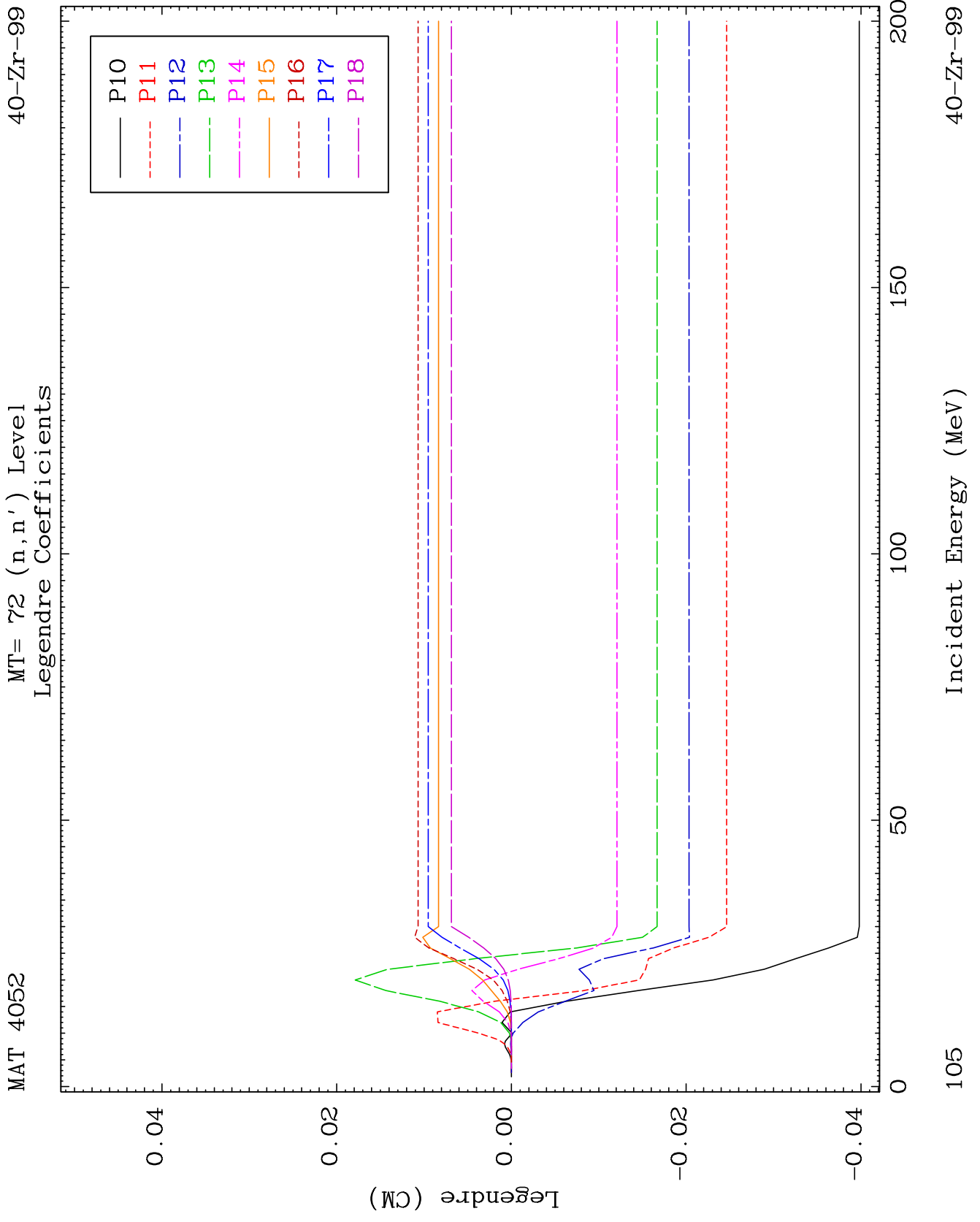
101

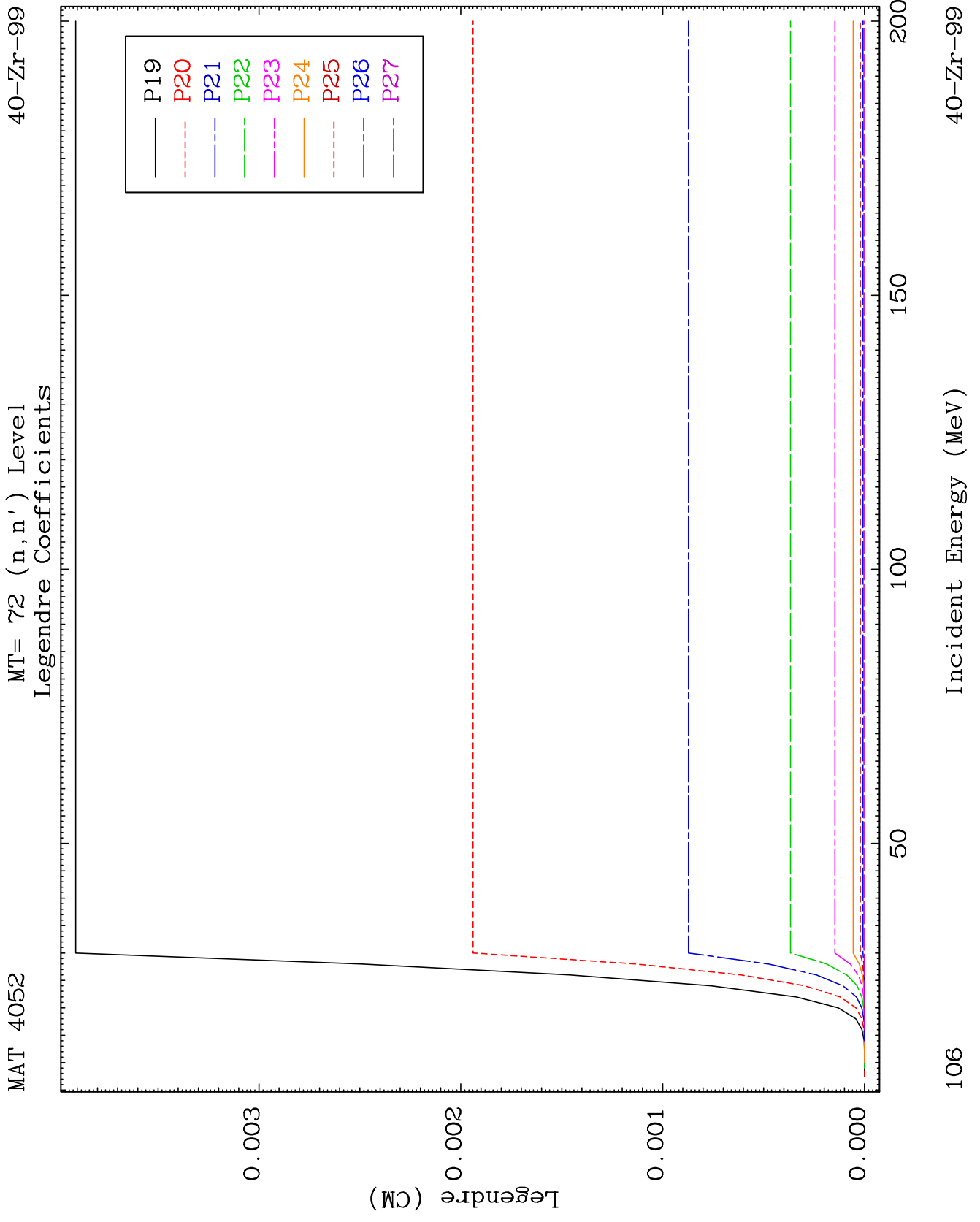


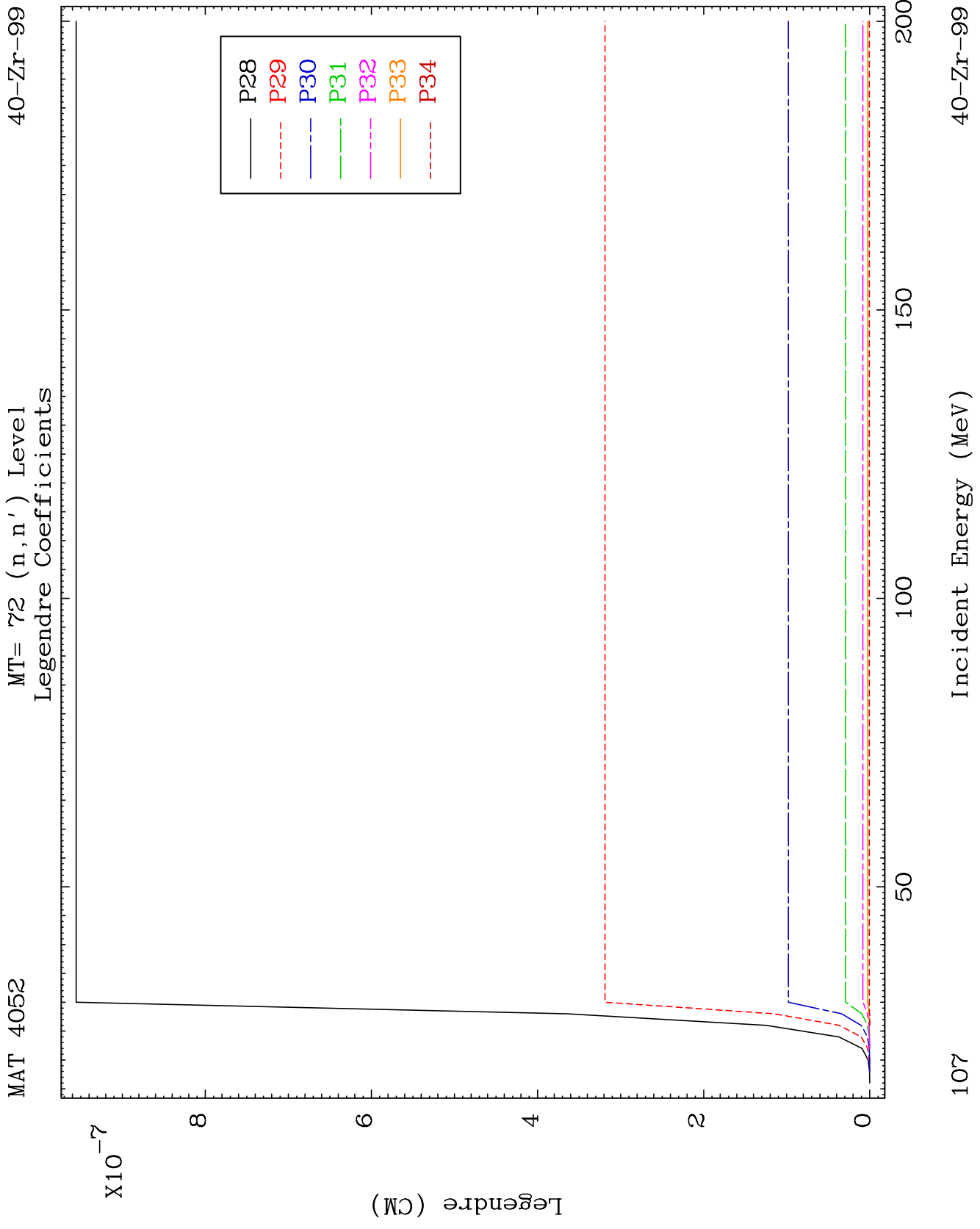








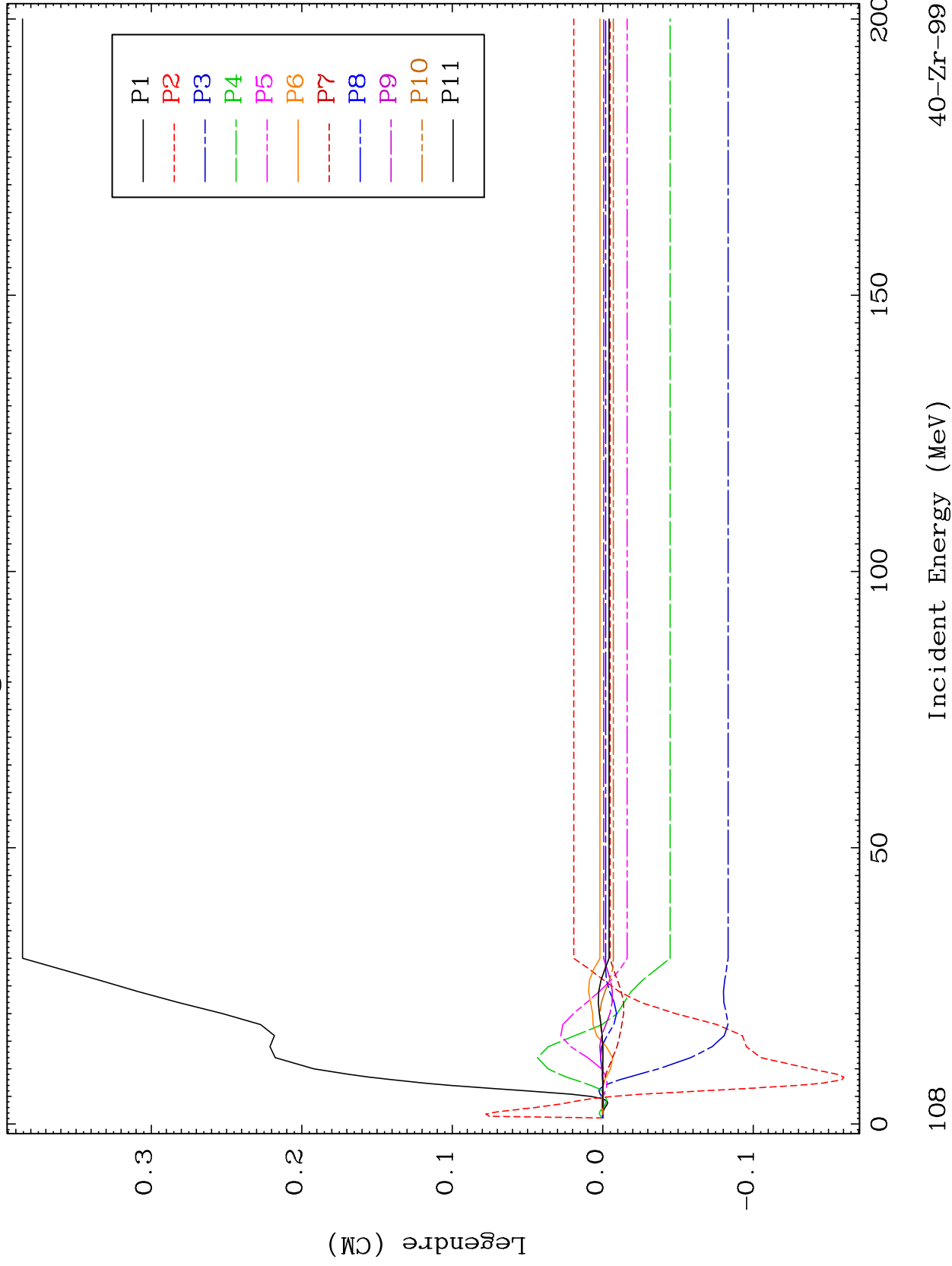


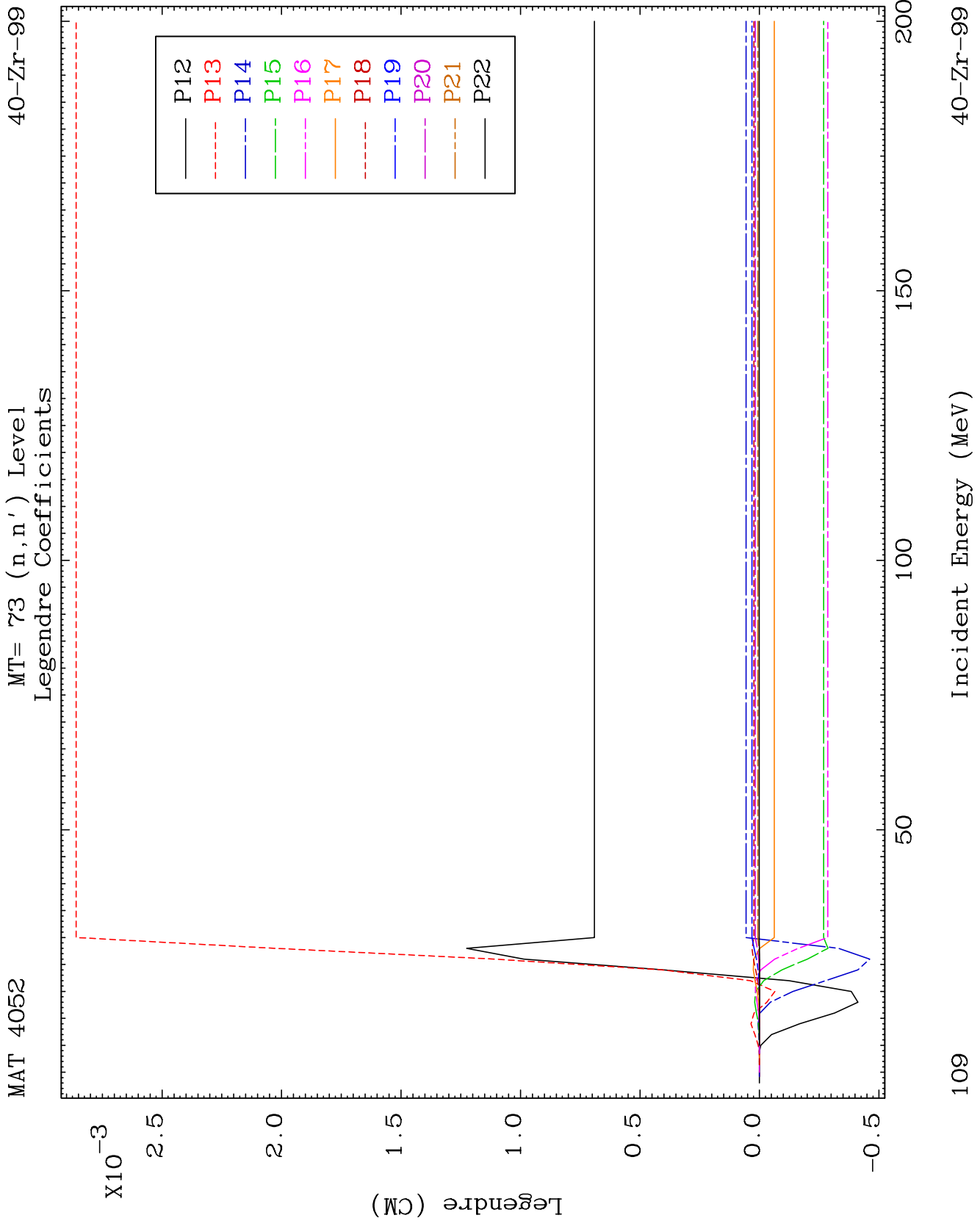


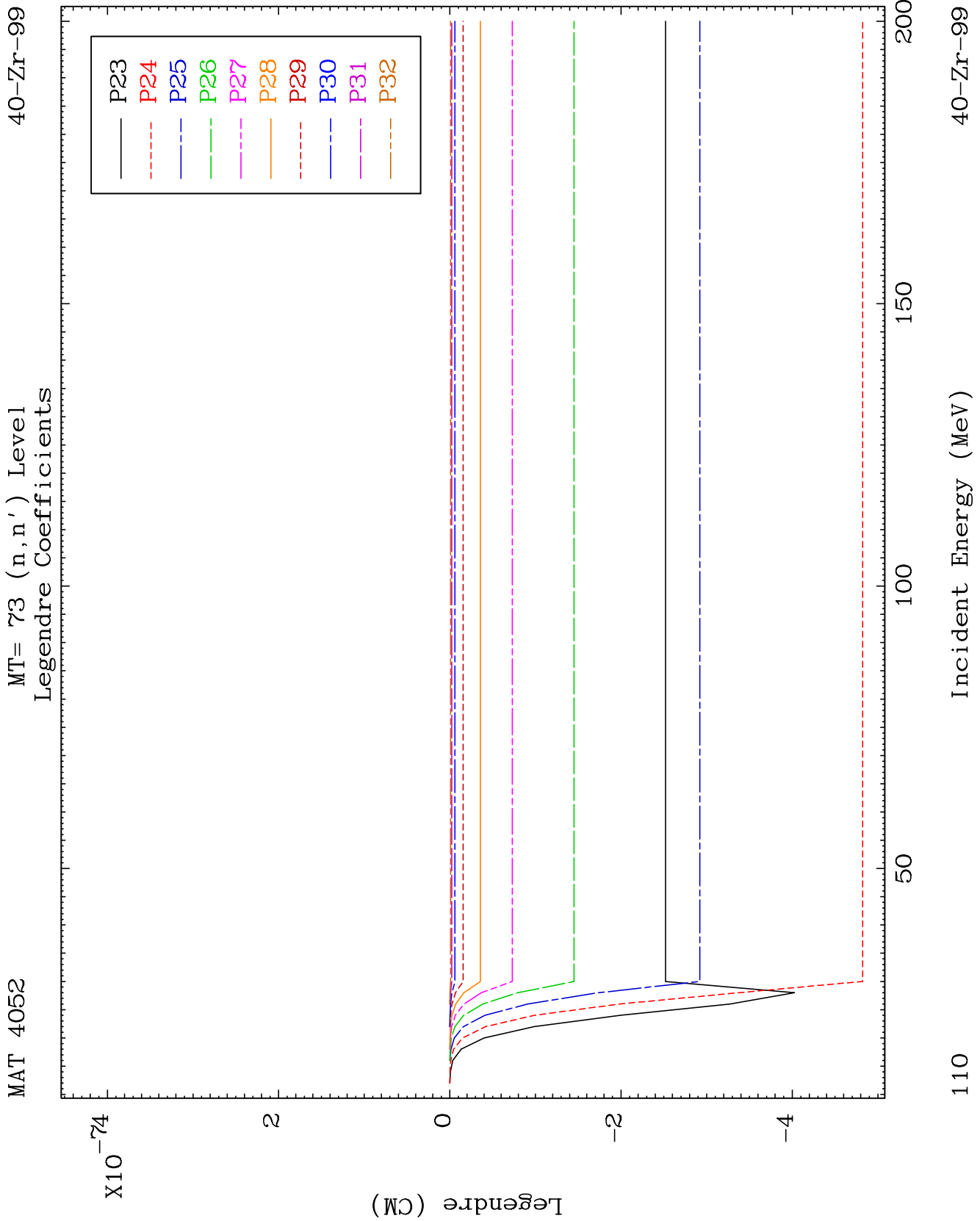
MAT 4052

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

40-Zr-99







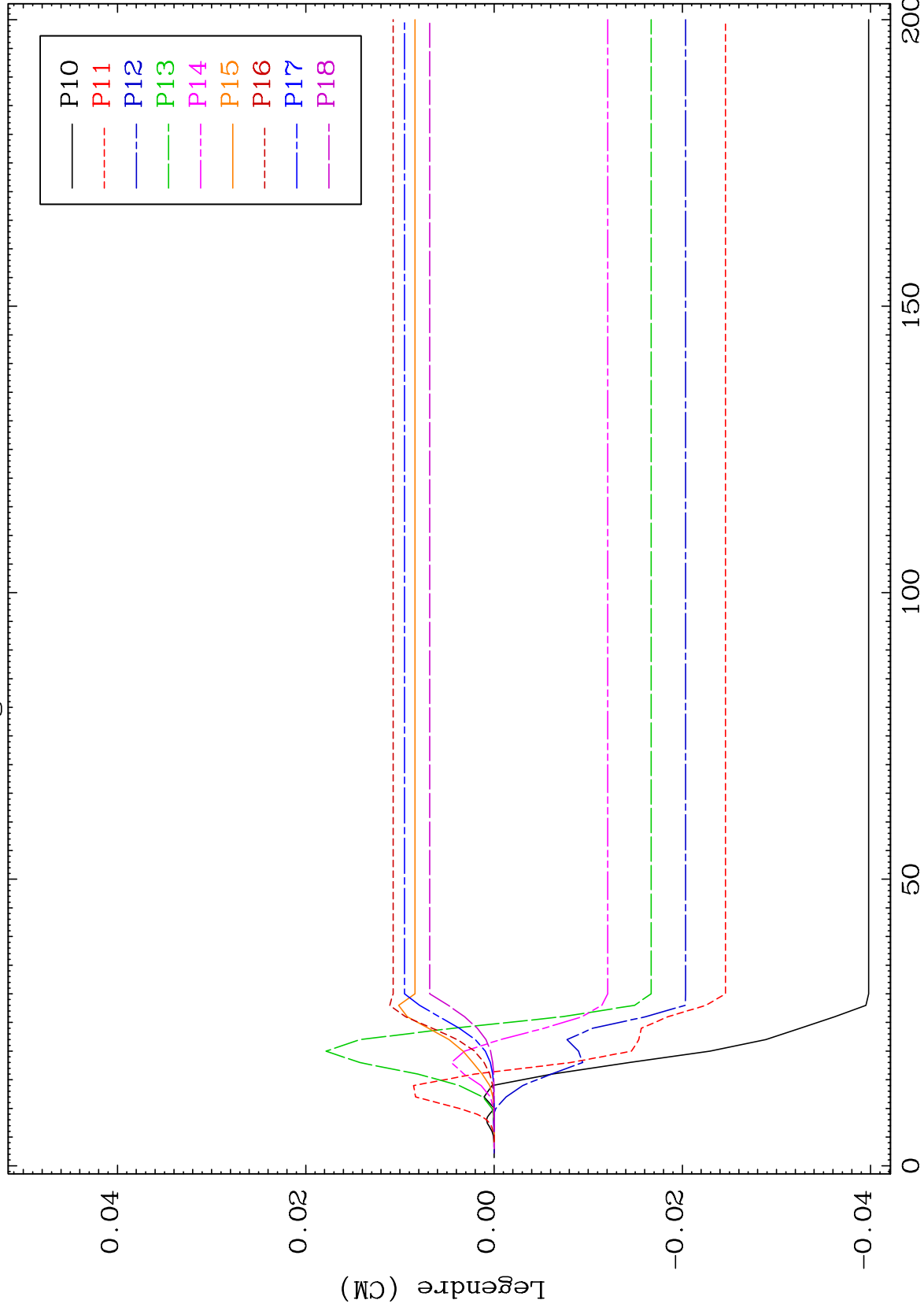




MAT 4052

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

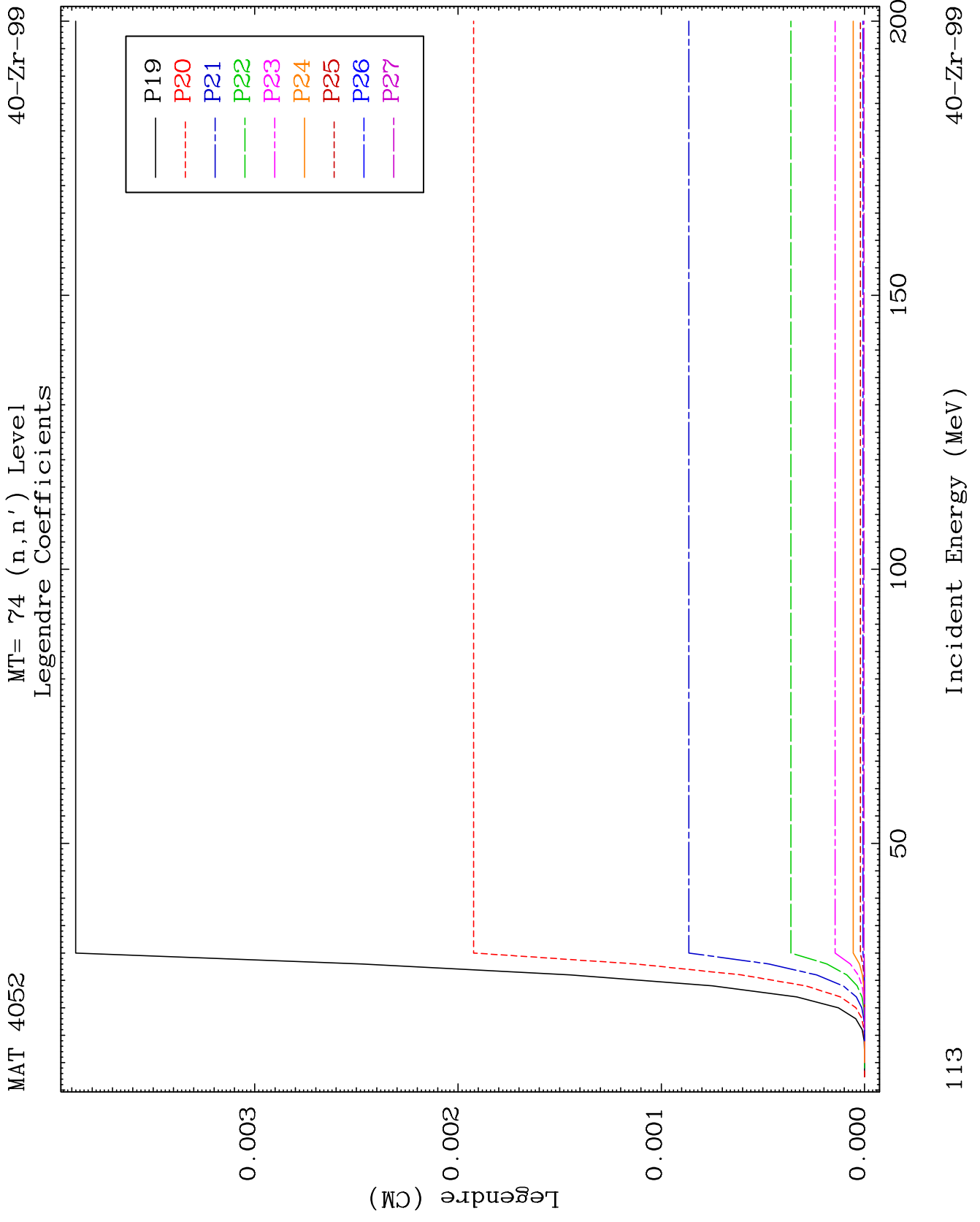
40-Zr-99



112

Incident Energy (MeV)

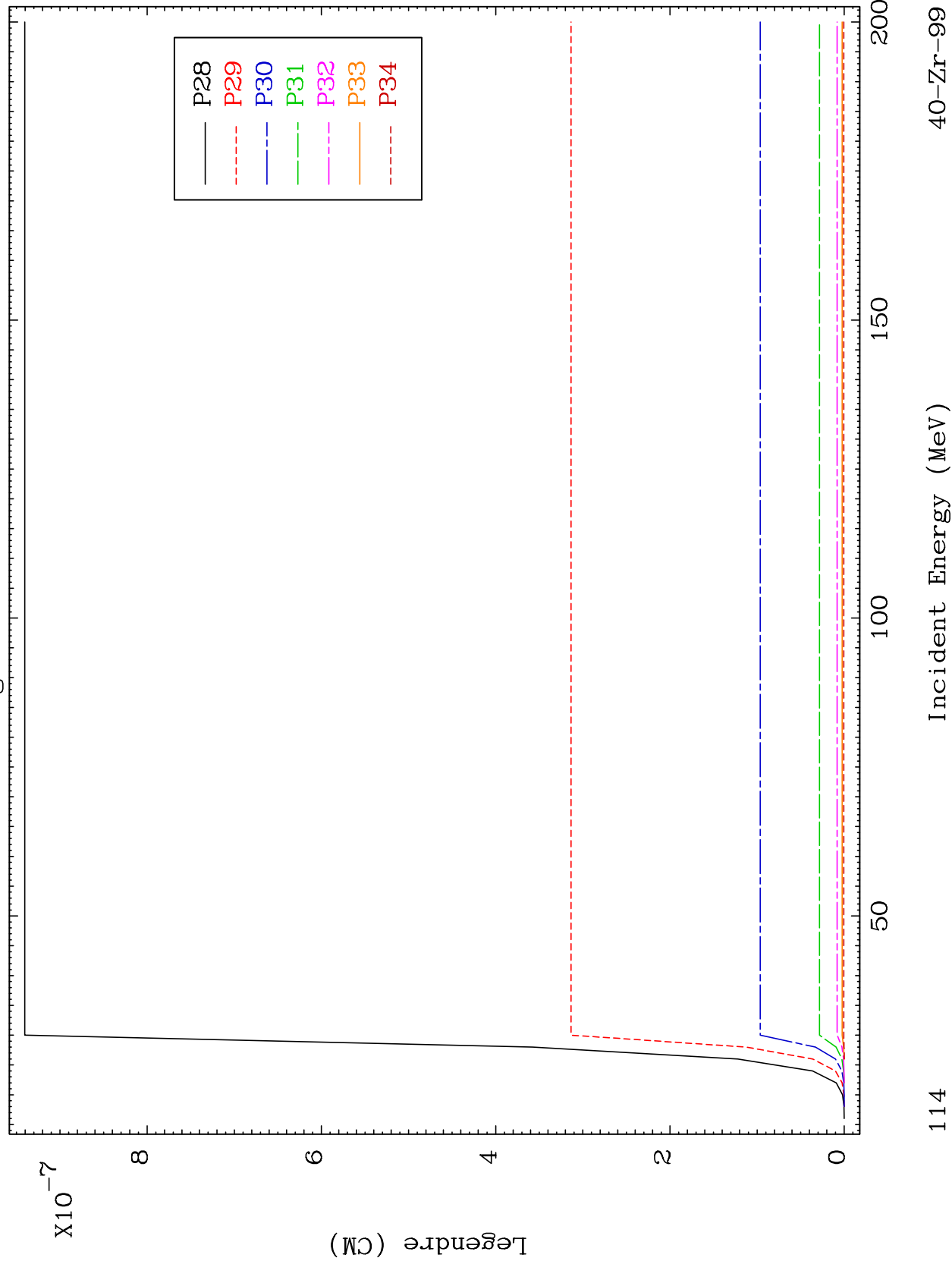
40-Zr-99



MAT 4052

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

40-Zr-99



114

Incident Energy (MeV)

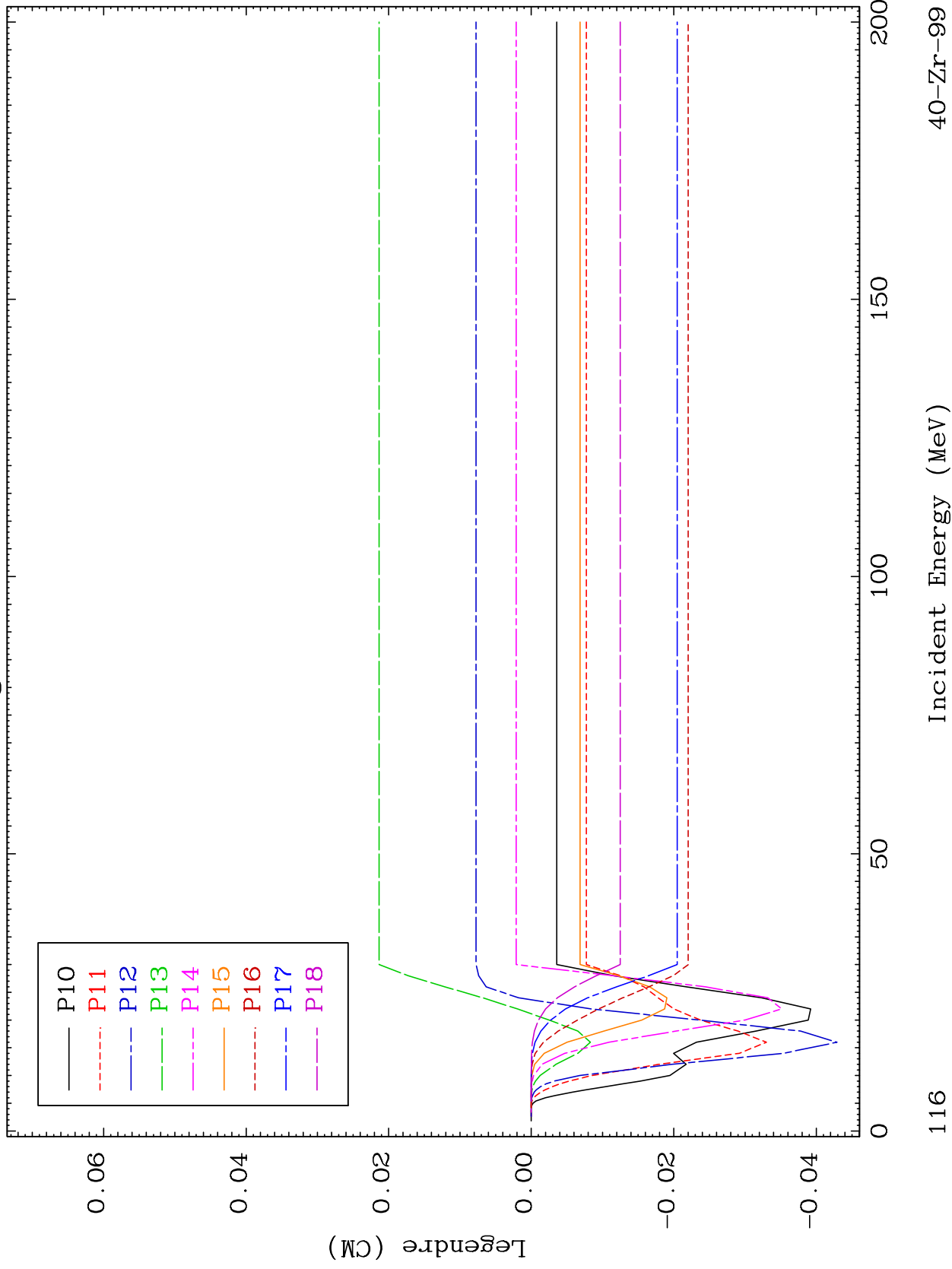
40-Zr-99



MAT 4052

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

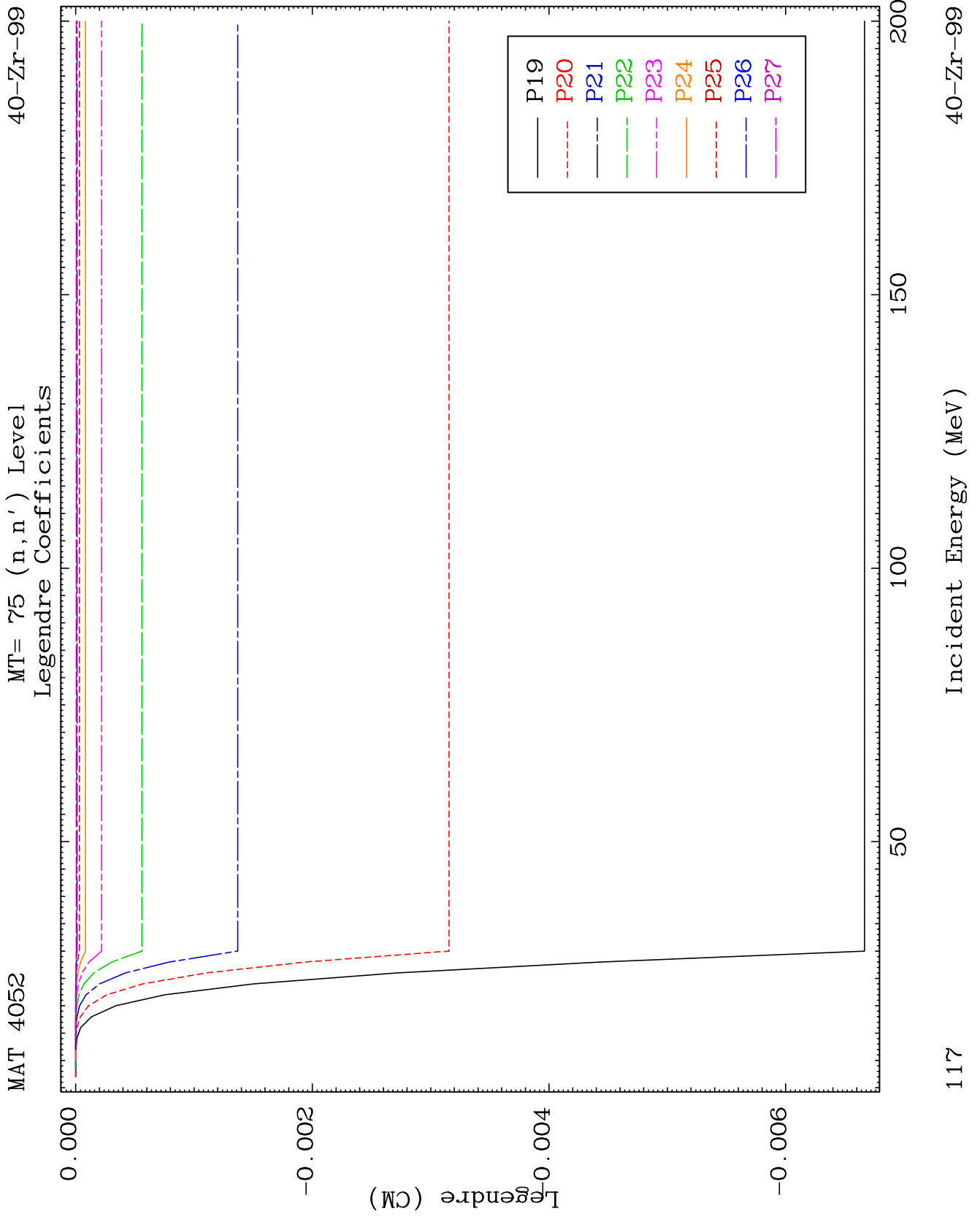
40-Zr-99

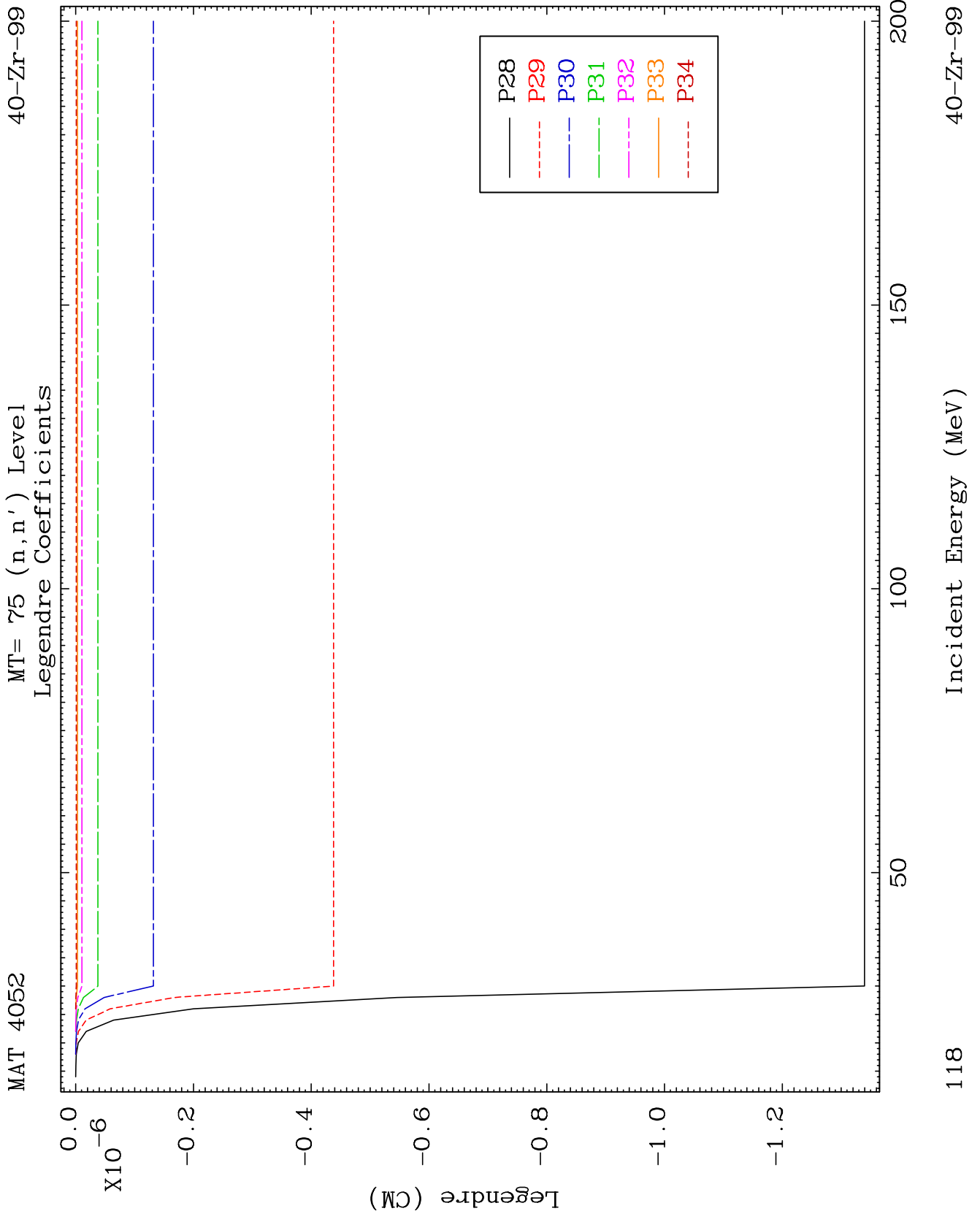


116

Incident Energy (MeV)

40-Zr-99

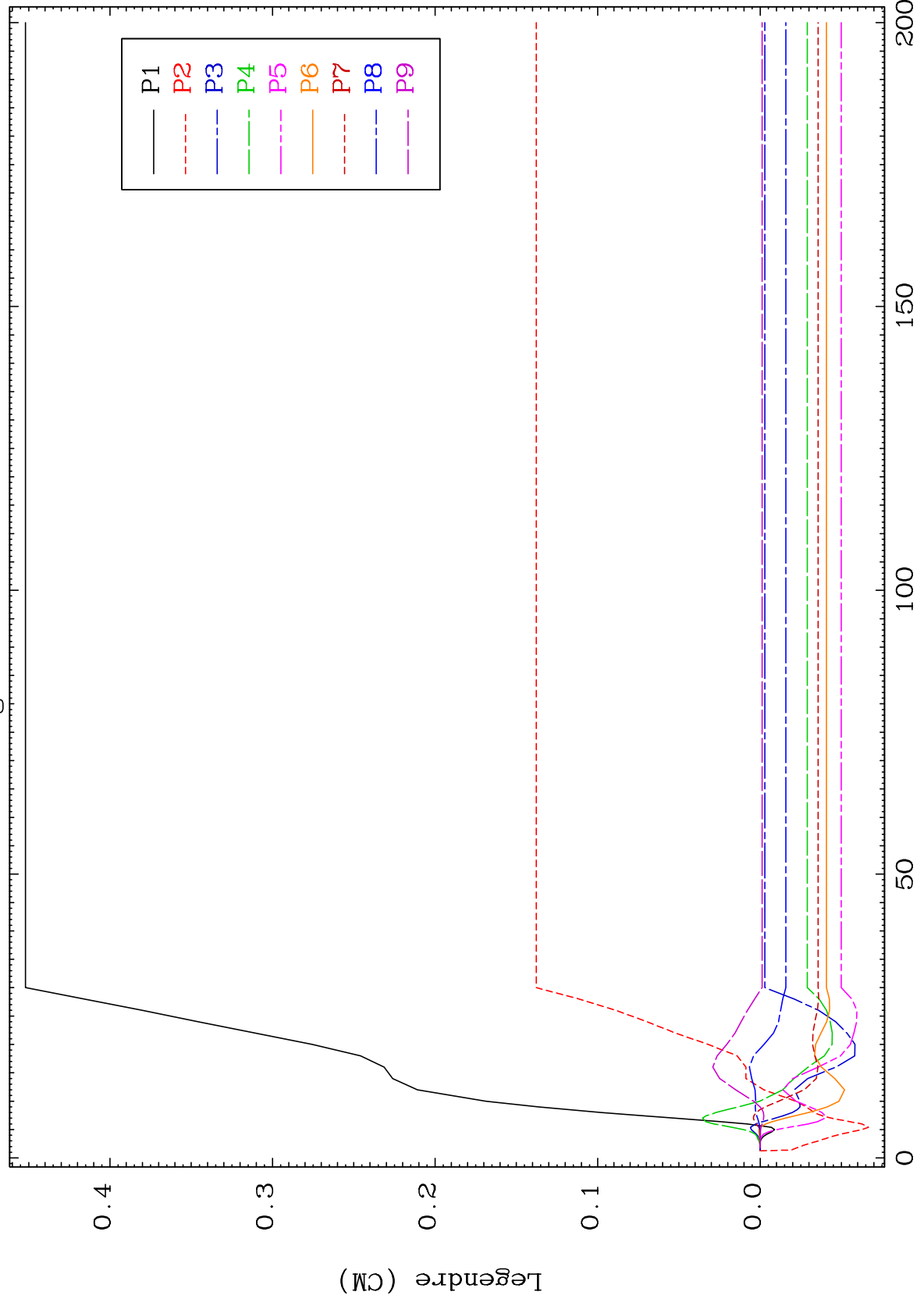




MAT 4052

MT= 76 (n,n') Level  
Legendre Coefficients

40-Zr-99



40-Zr-99

Incident Energy (MeV)

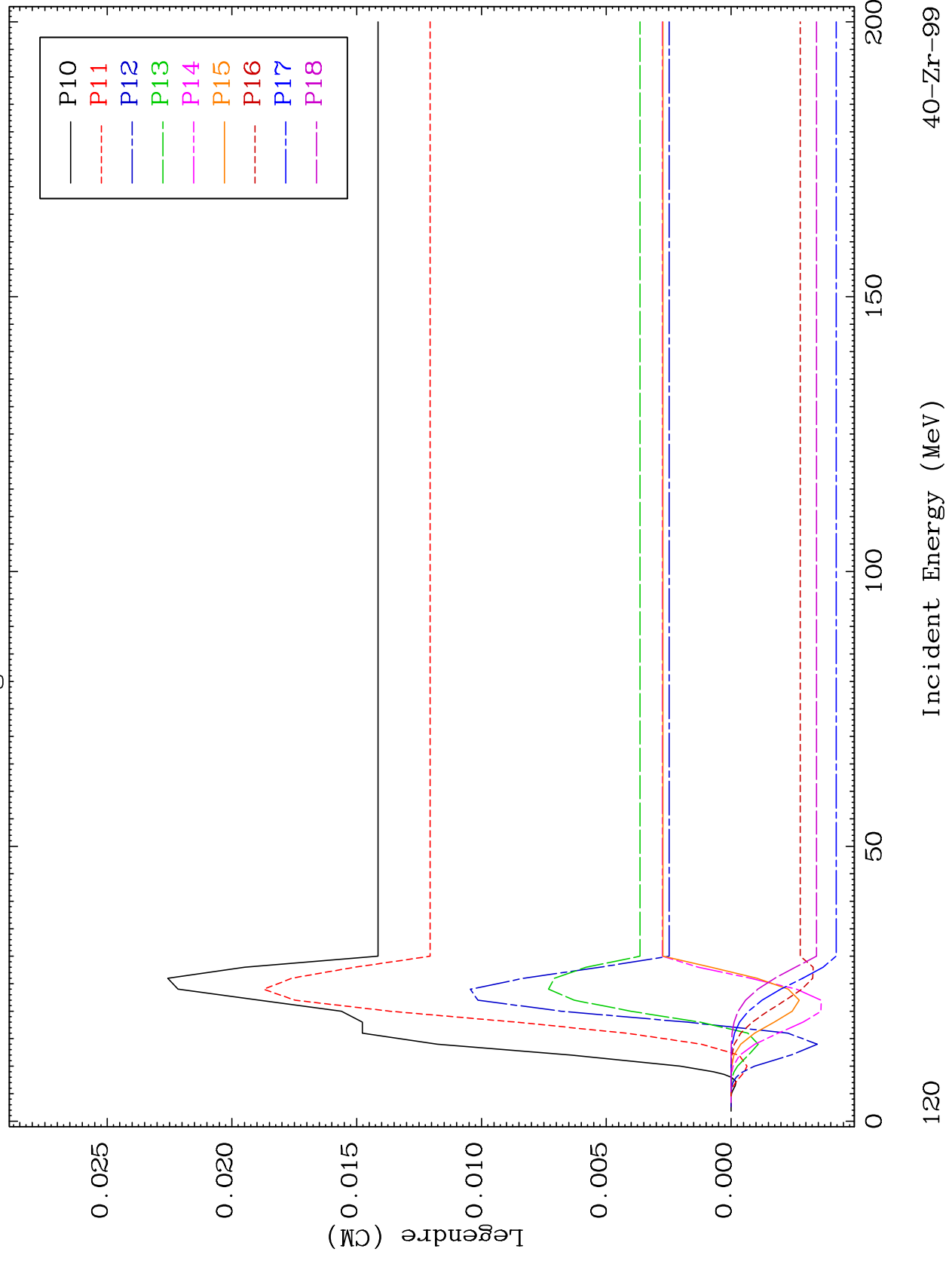
119



MAT 4052

MT= 76 (n,n') Level  
Legendre Coefficients

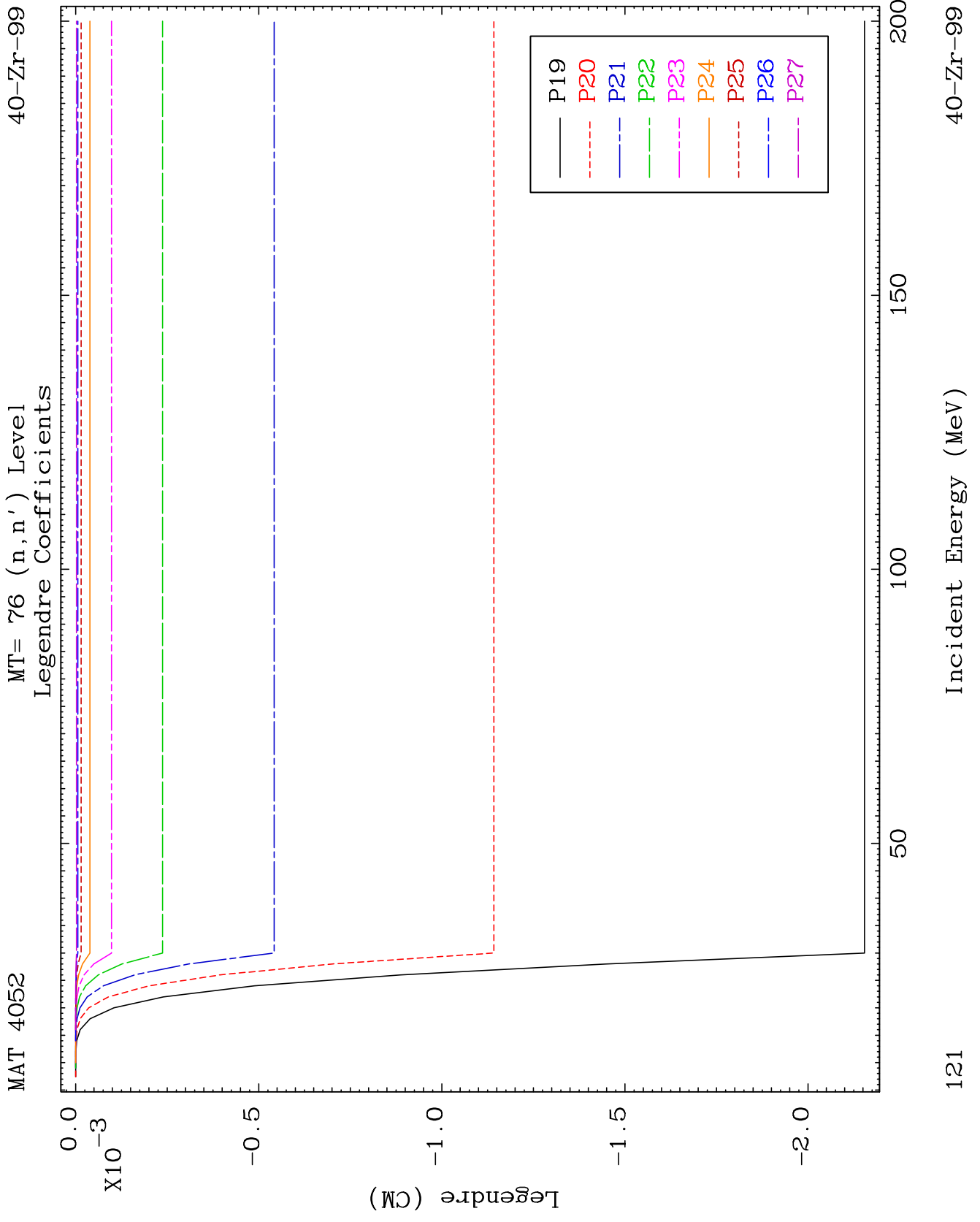
40-Zr-99

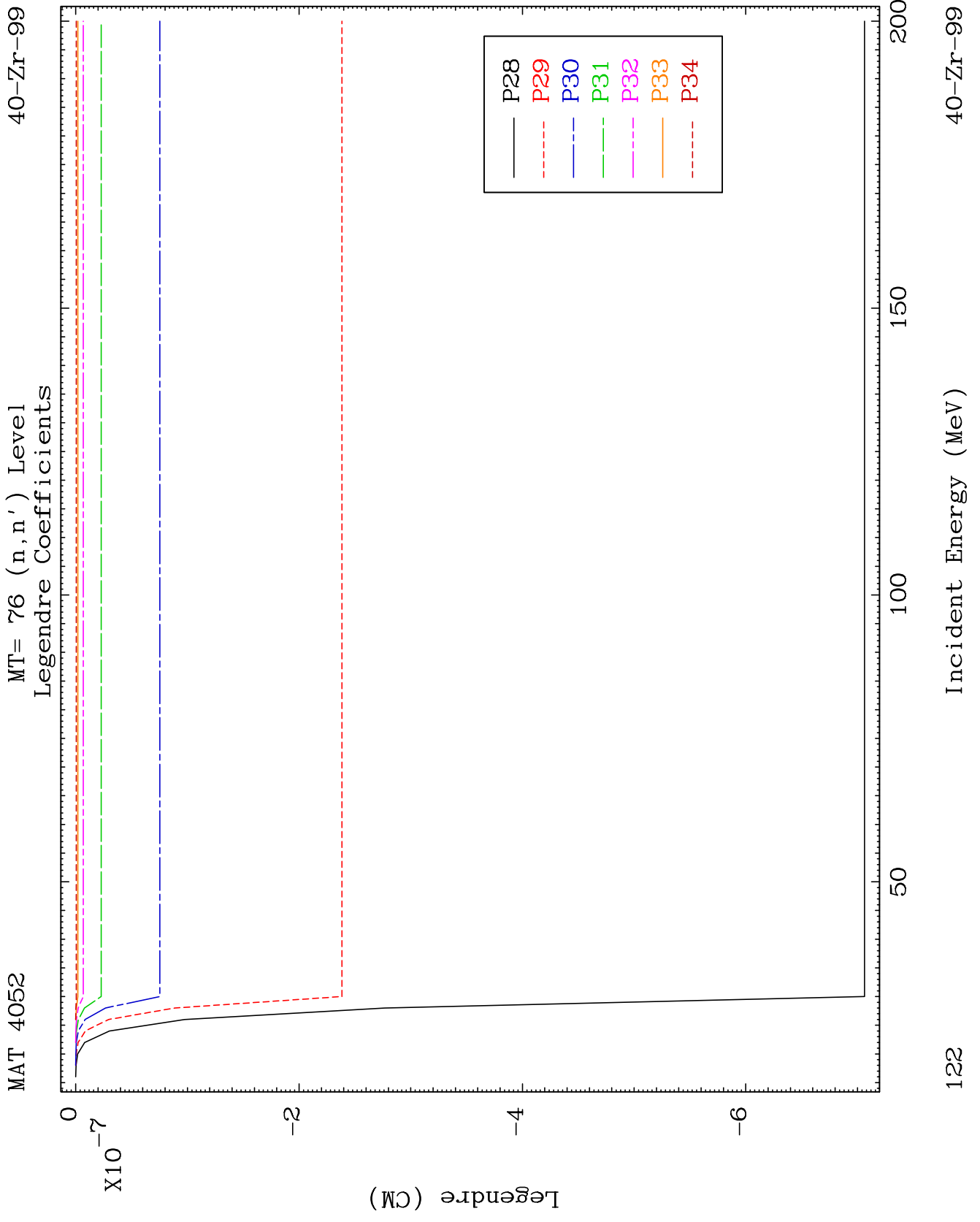


40-Zr-99

Incident Energy (MeV)

120

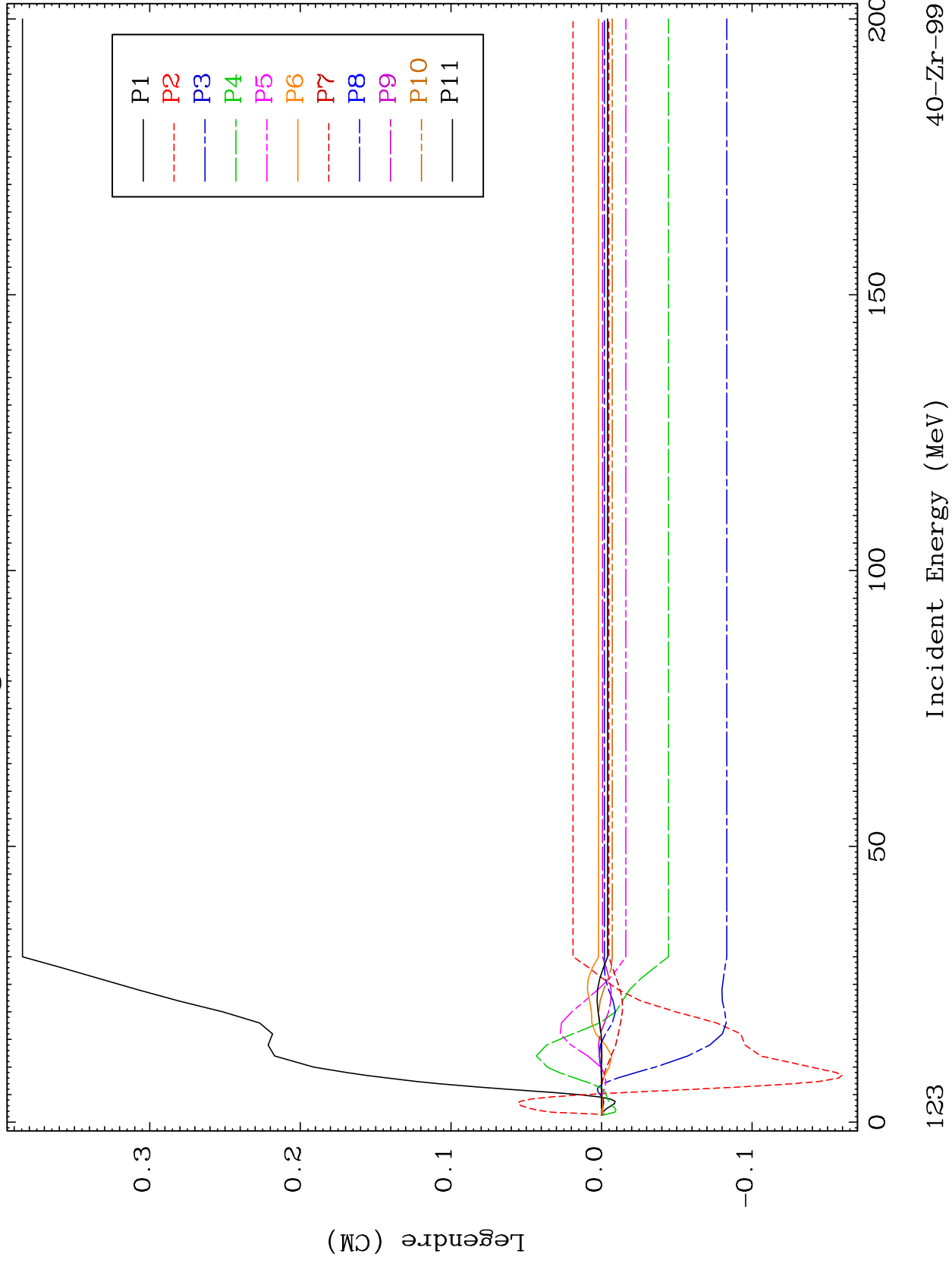




MAT 4052

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

40-Zr-99



40-Zr-99

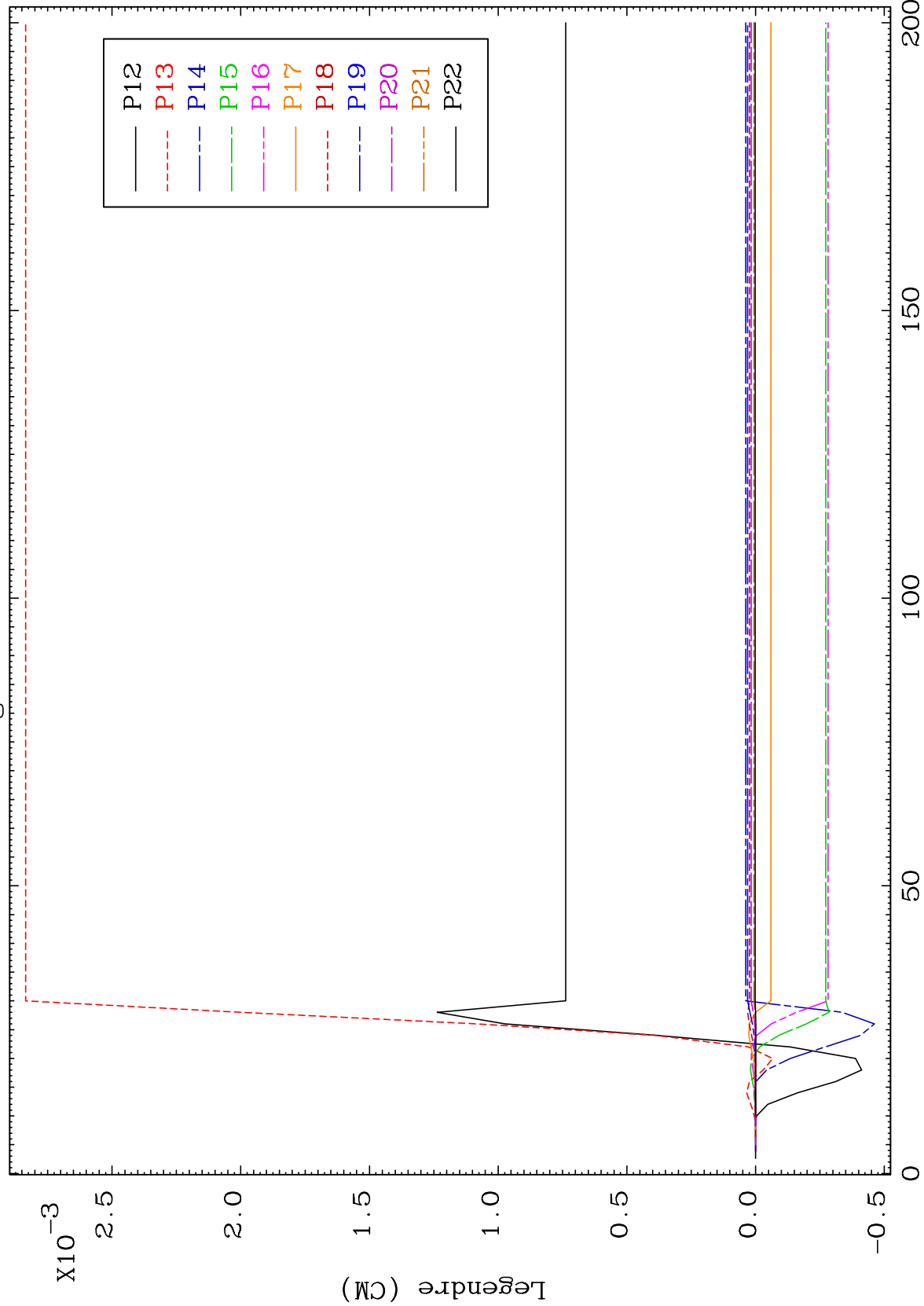
Incident Energy (MeV)

123

MAT 4052

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

40-Zr-99



124

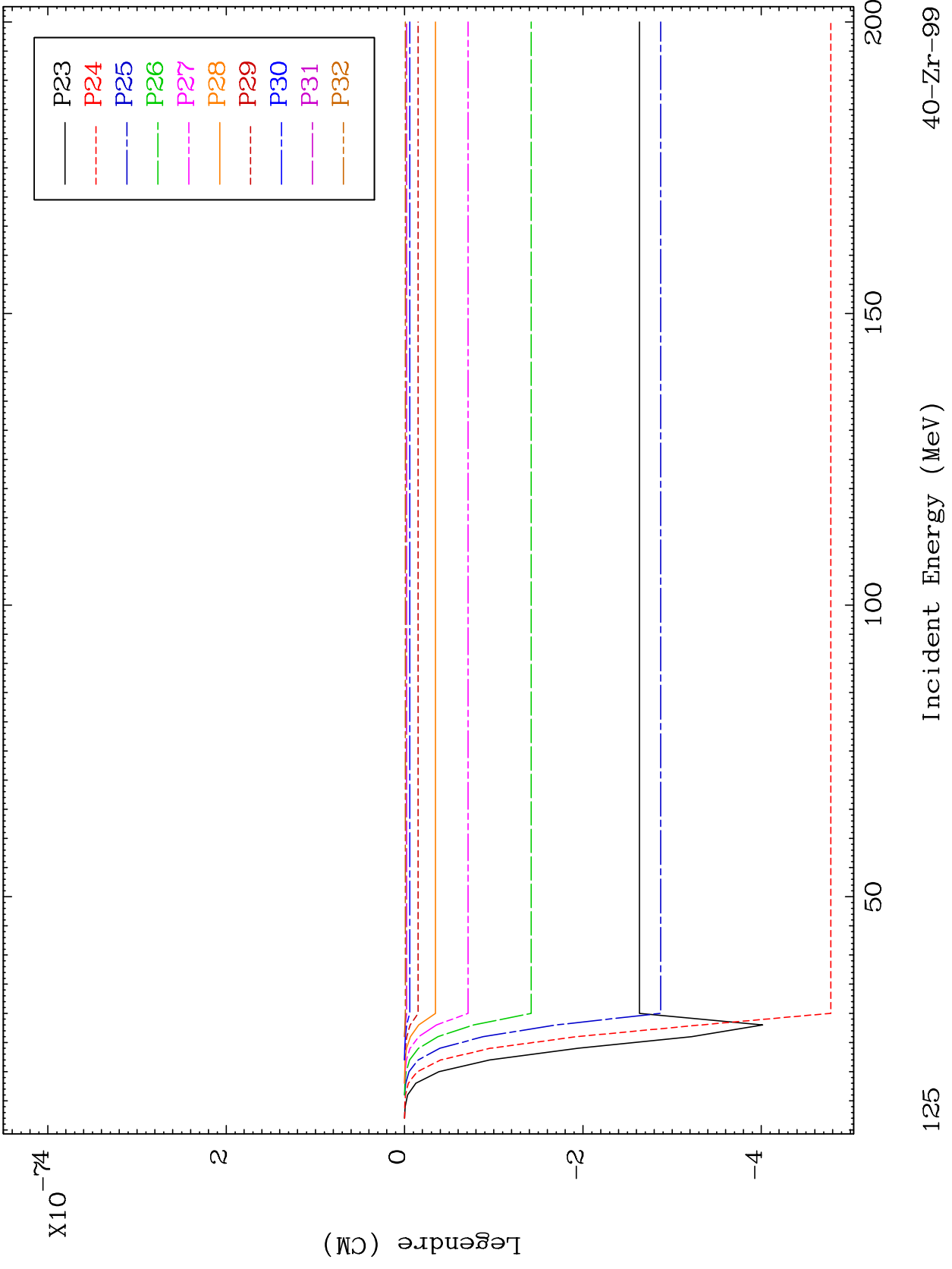
Incident Energy (MeV)

40-Zr-99

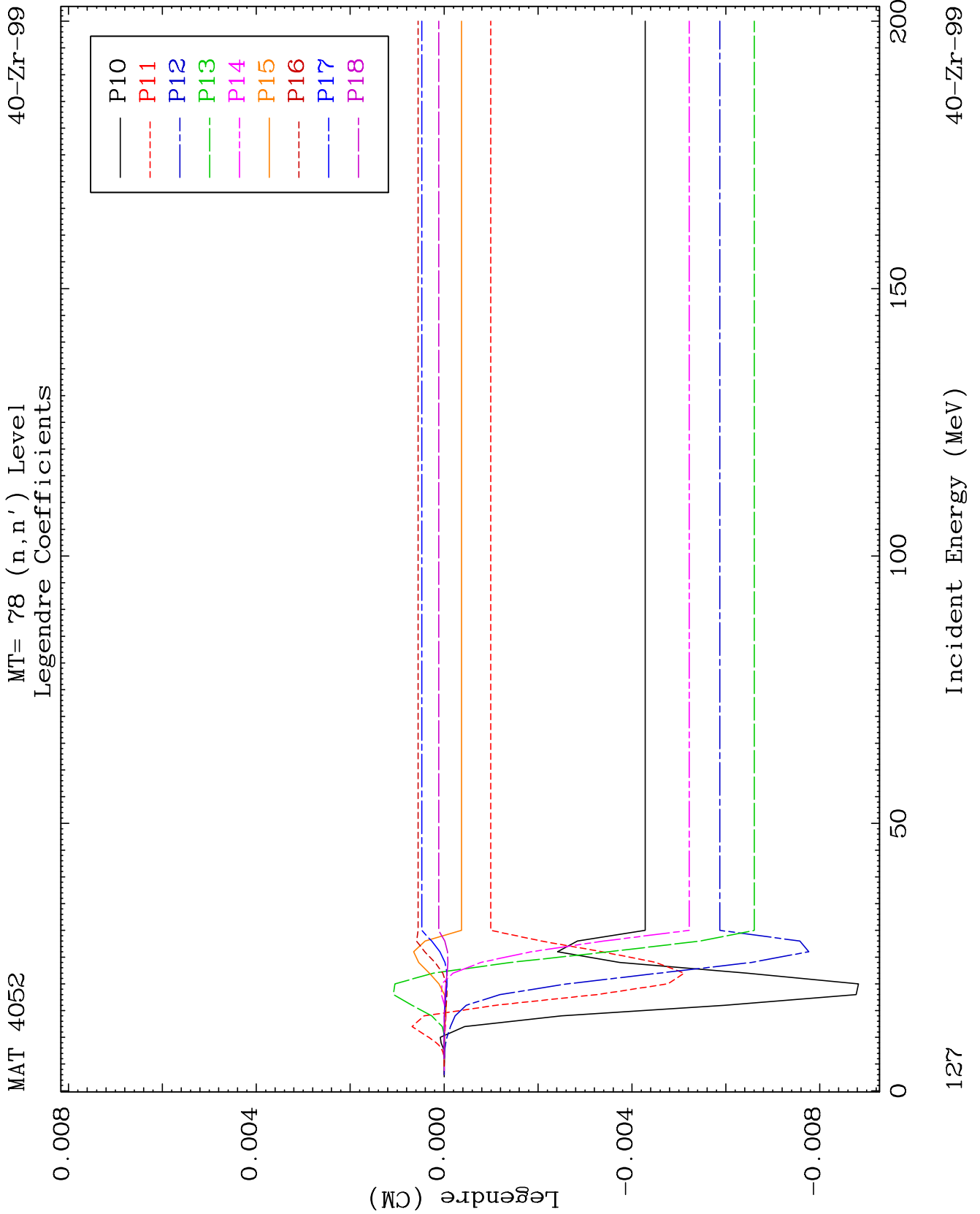
MAT 4052

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

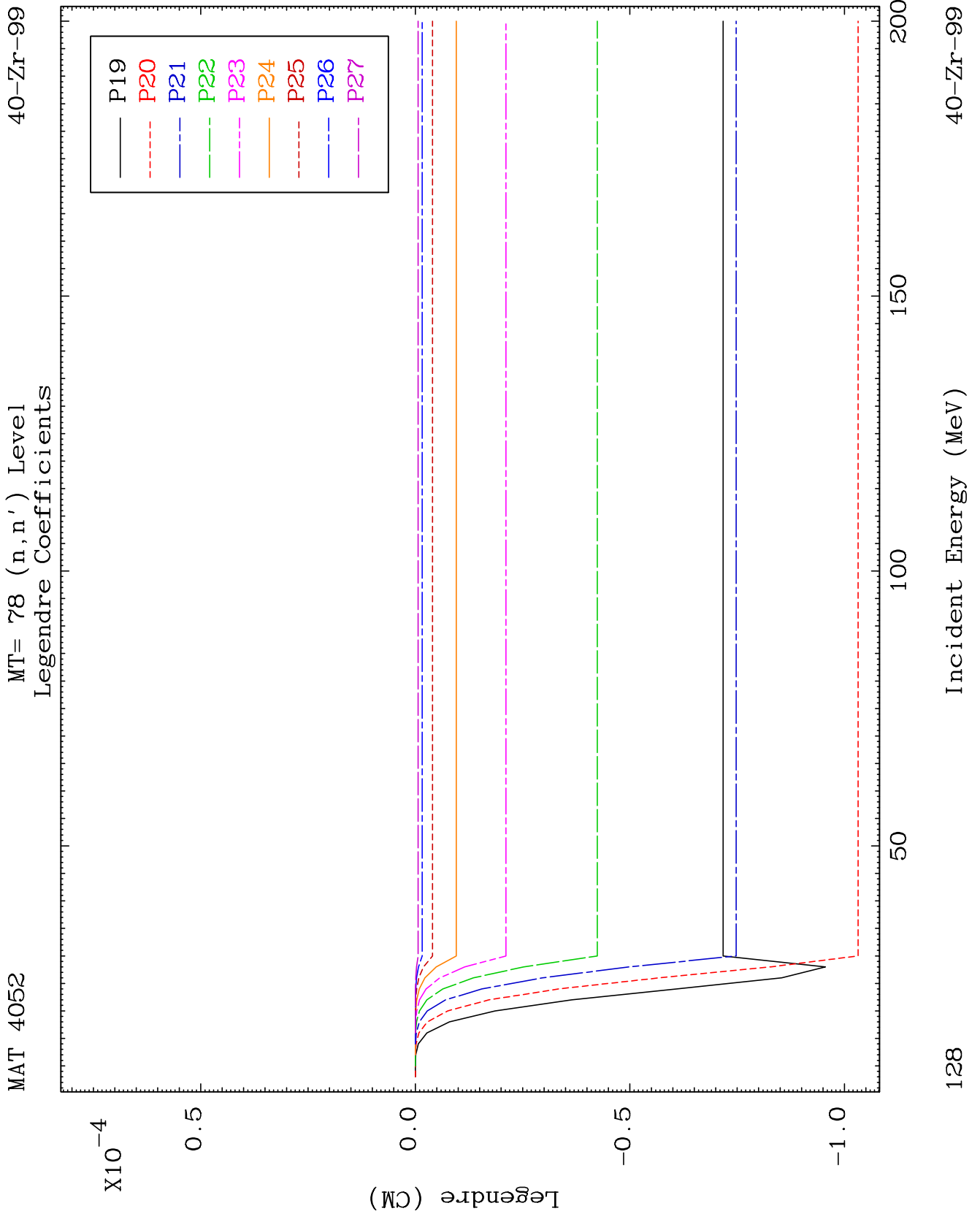
40-Zr-99

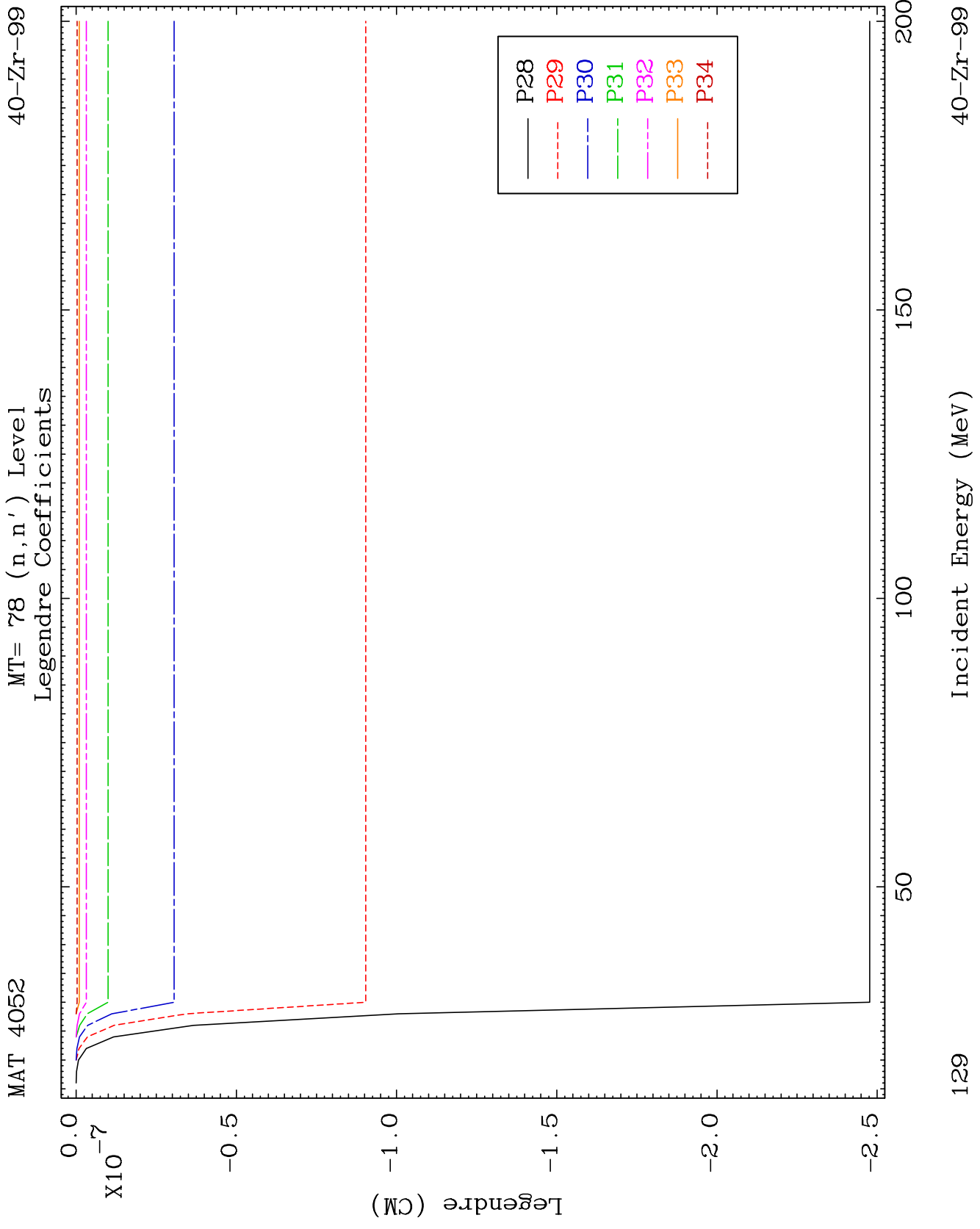








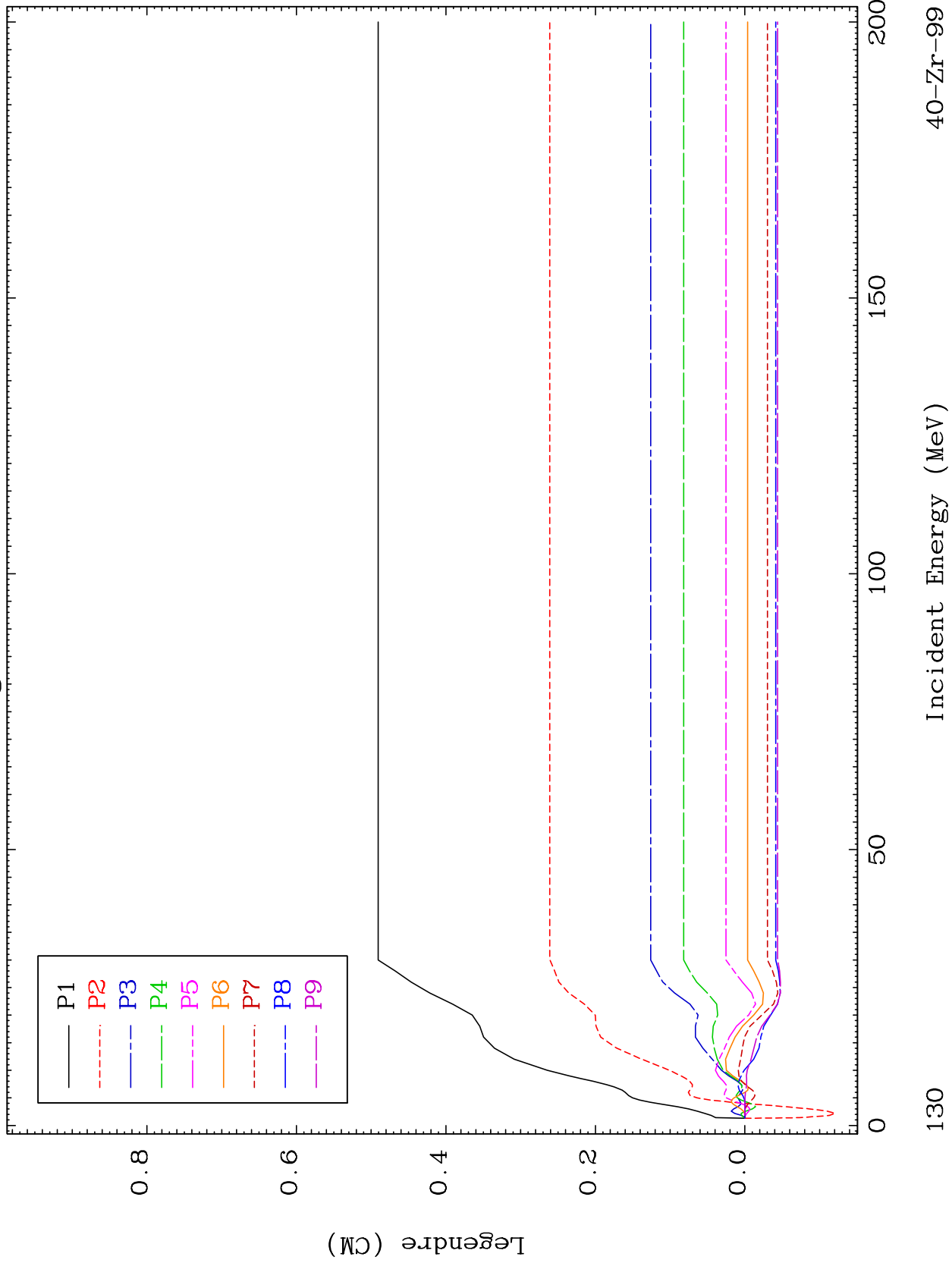




MAT 4052

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

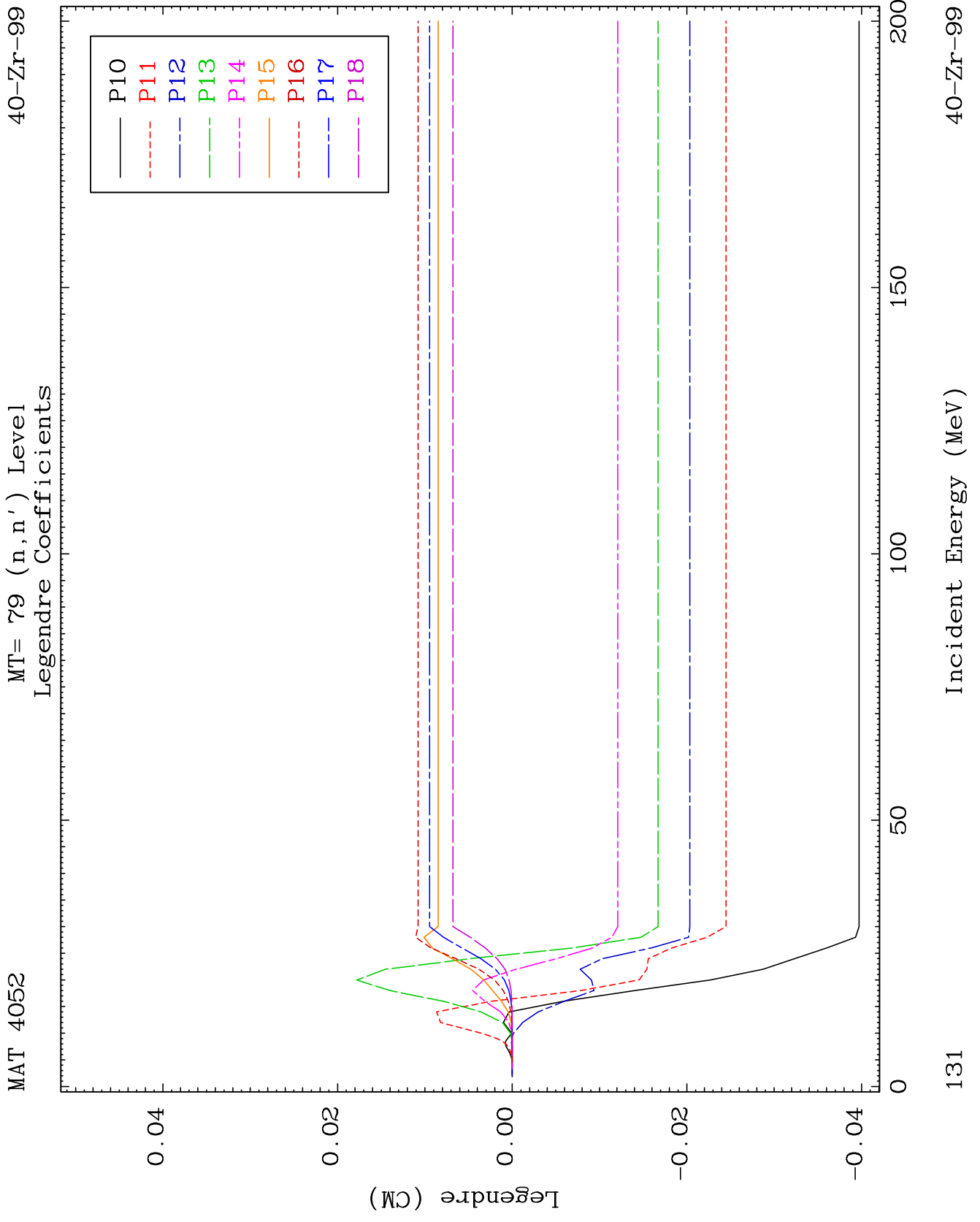
40-Zr-99



40-Zr-99

Incident Energy (MeV)

130

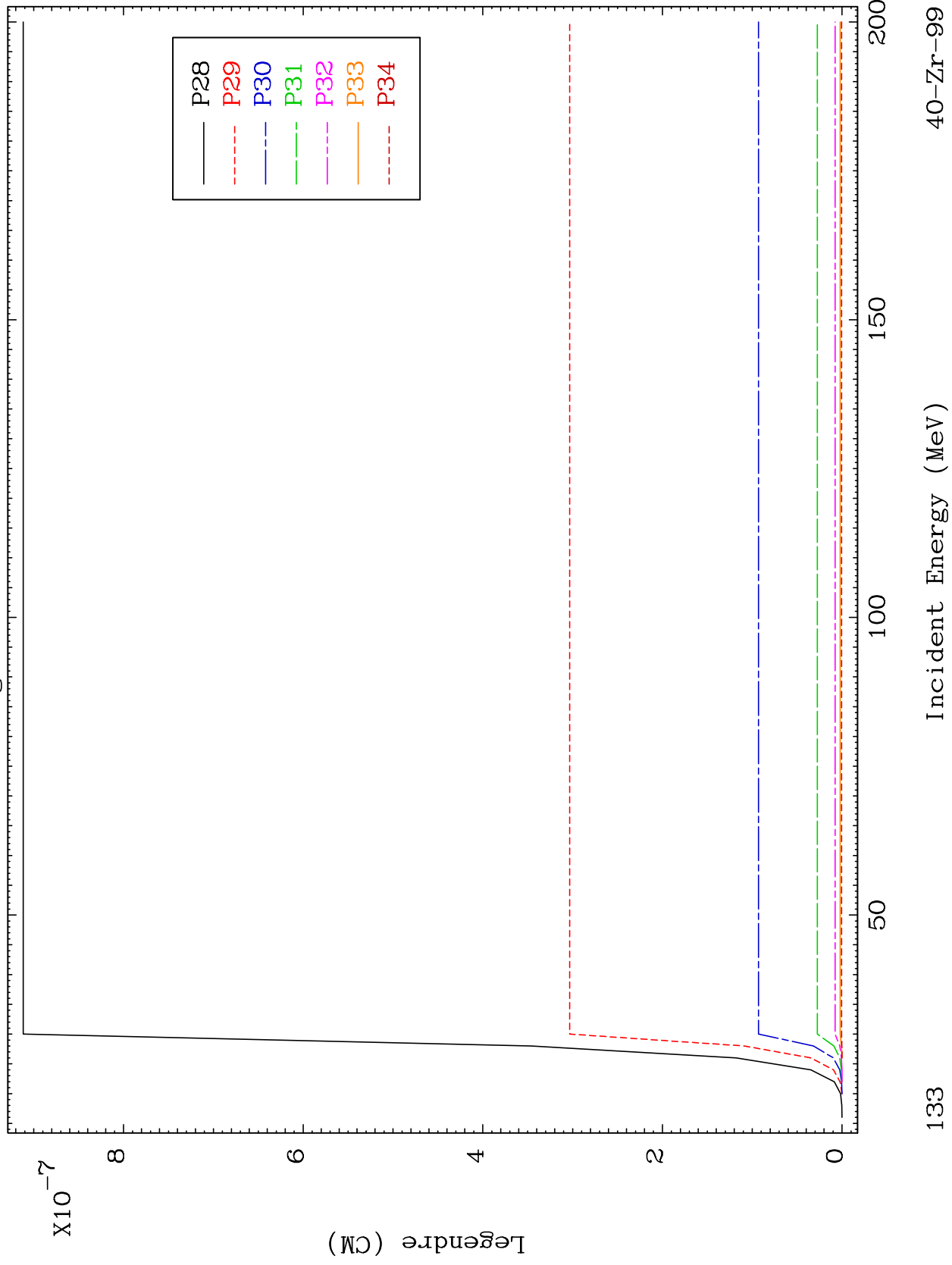




MAT 4052

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

40-Zr-99



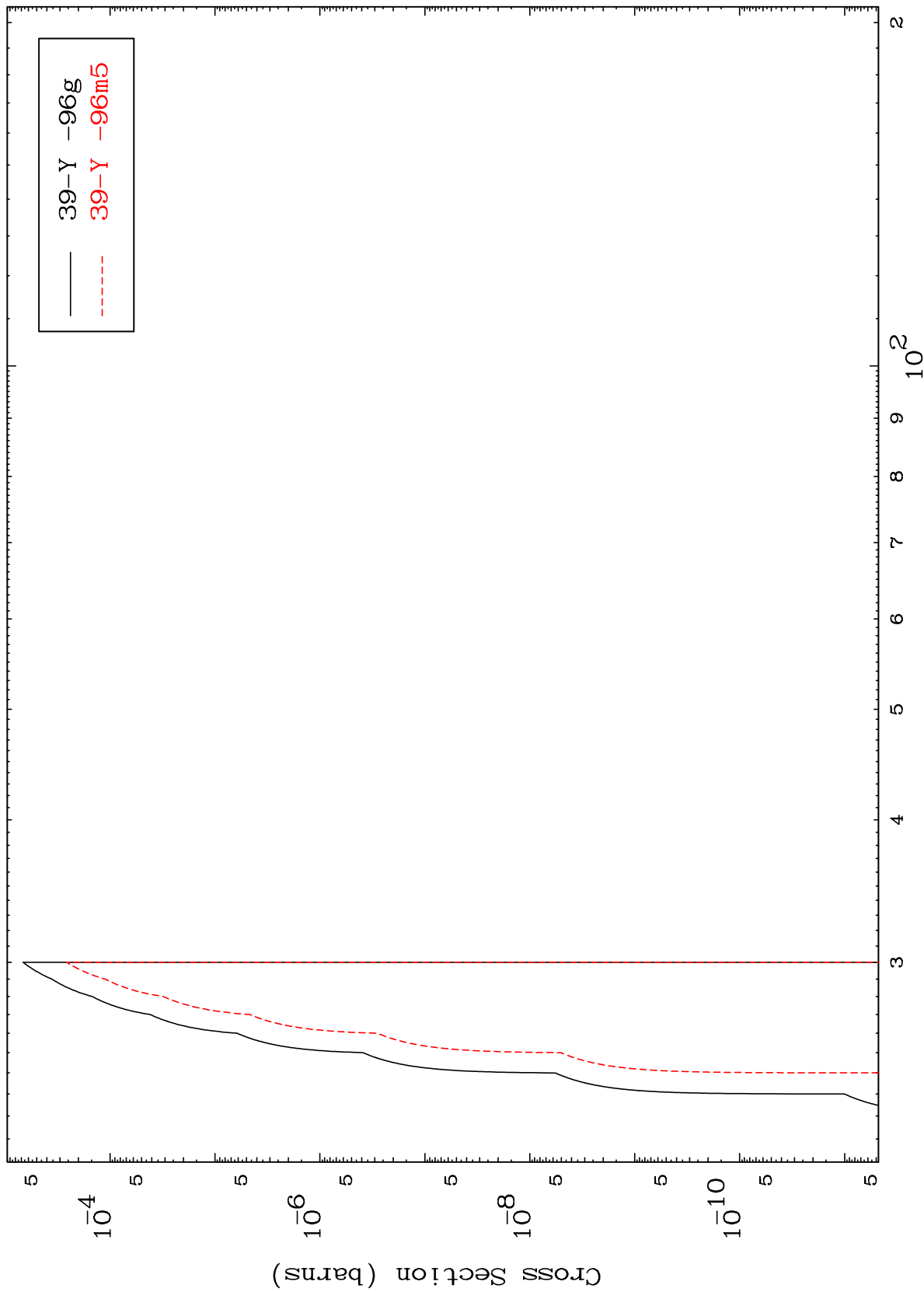
133

MAT 4052

(n,2n) d

40-Zr-99

Radionuclide Production Cross Section



134

Incident Energy (MeV)

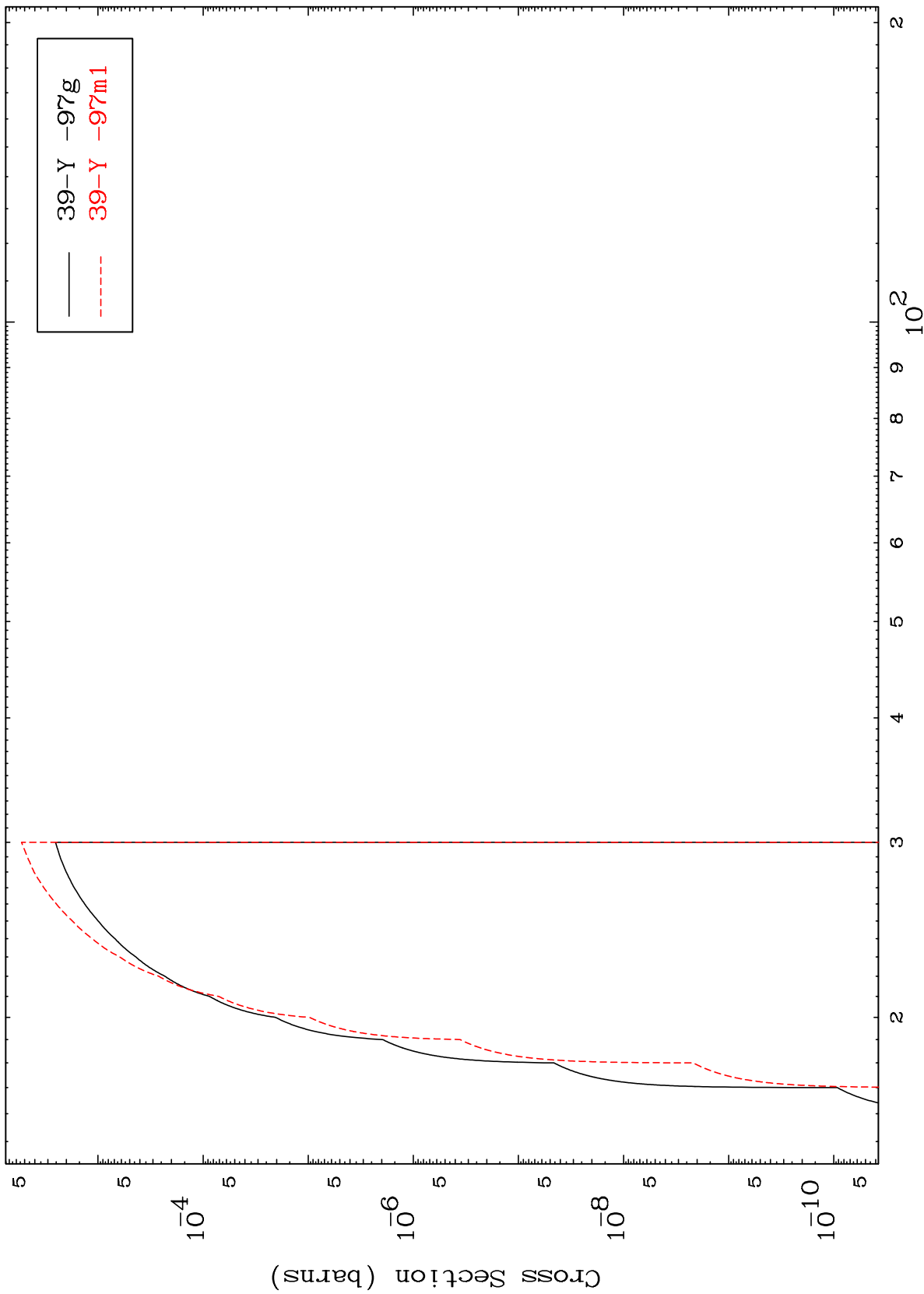
40-Zr-99

MAT 4052

(n,n') d

40-Zr-99

Radionuclide Production Cross Section



135

Incident Energy (MeV)

40-Zr-99

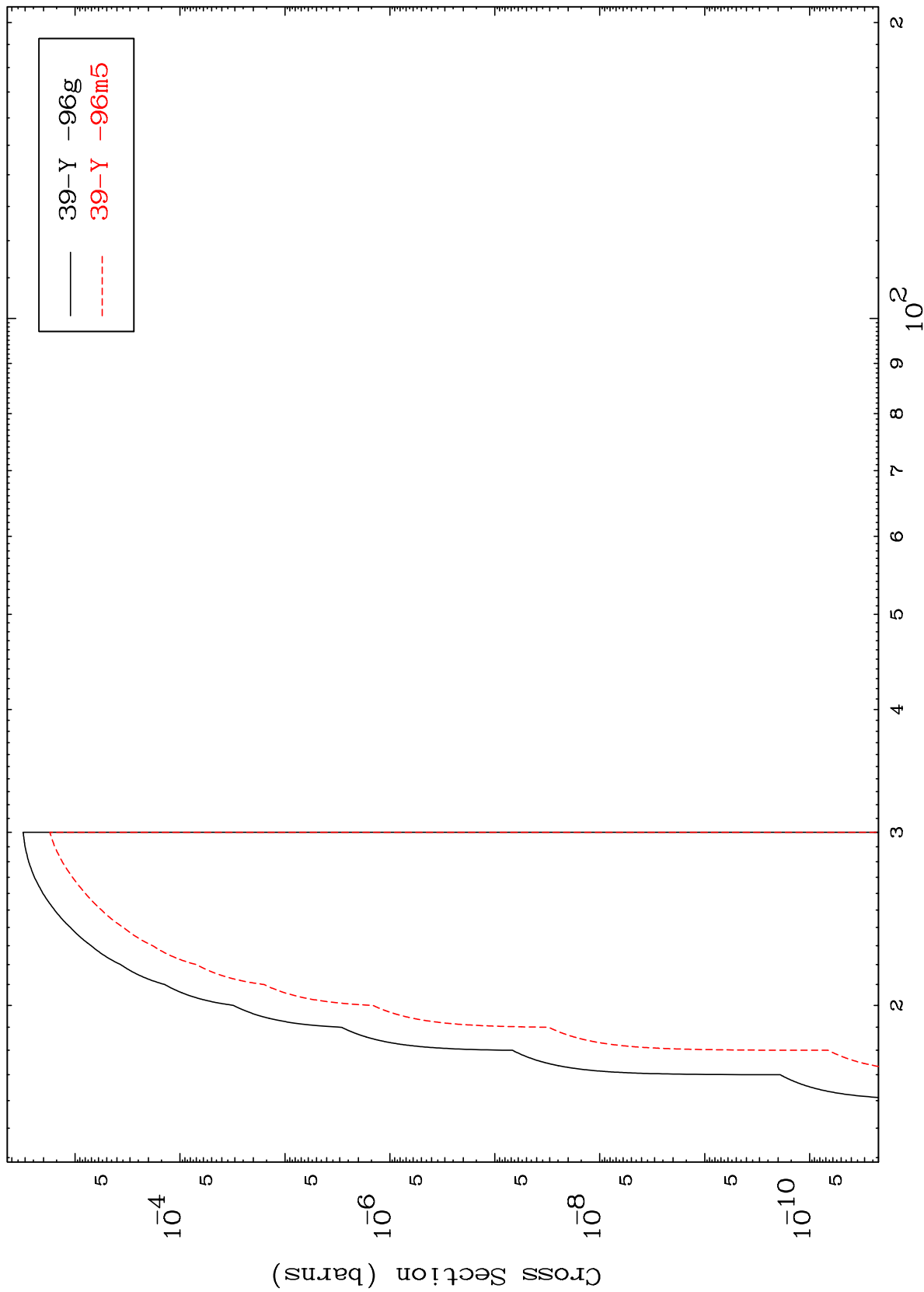


MAT 4052

(n,n') t

40-Zr-99

Radionuclide Production Cross Section



136

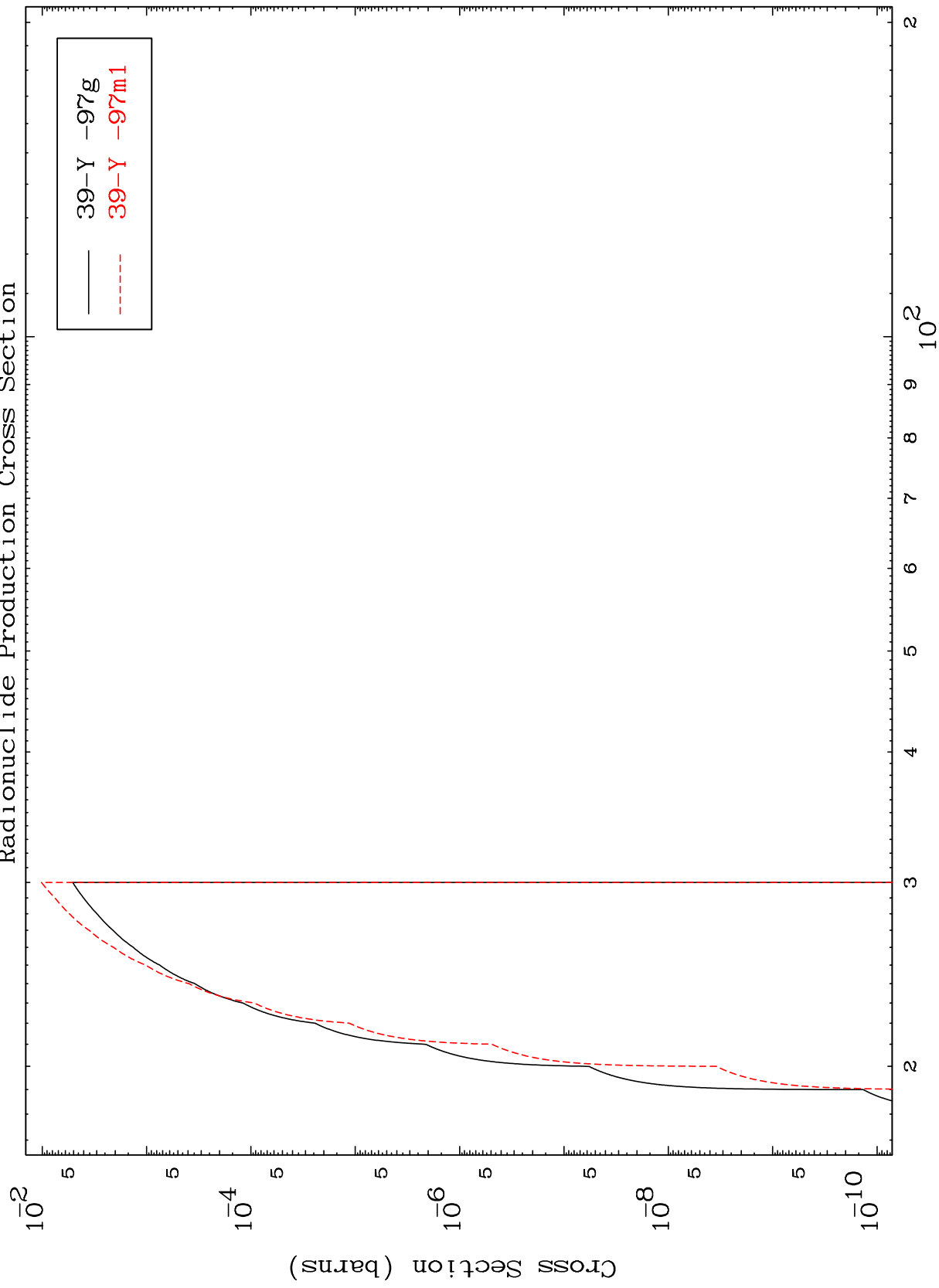
Incident Energy (MeV)

40-Zr-99

MAT 4052

40-Zr-99

(n,2n) p  
Radionuclide Production Cross Section



137

Incident Energy (MeV)

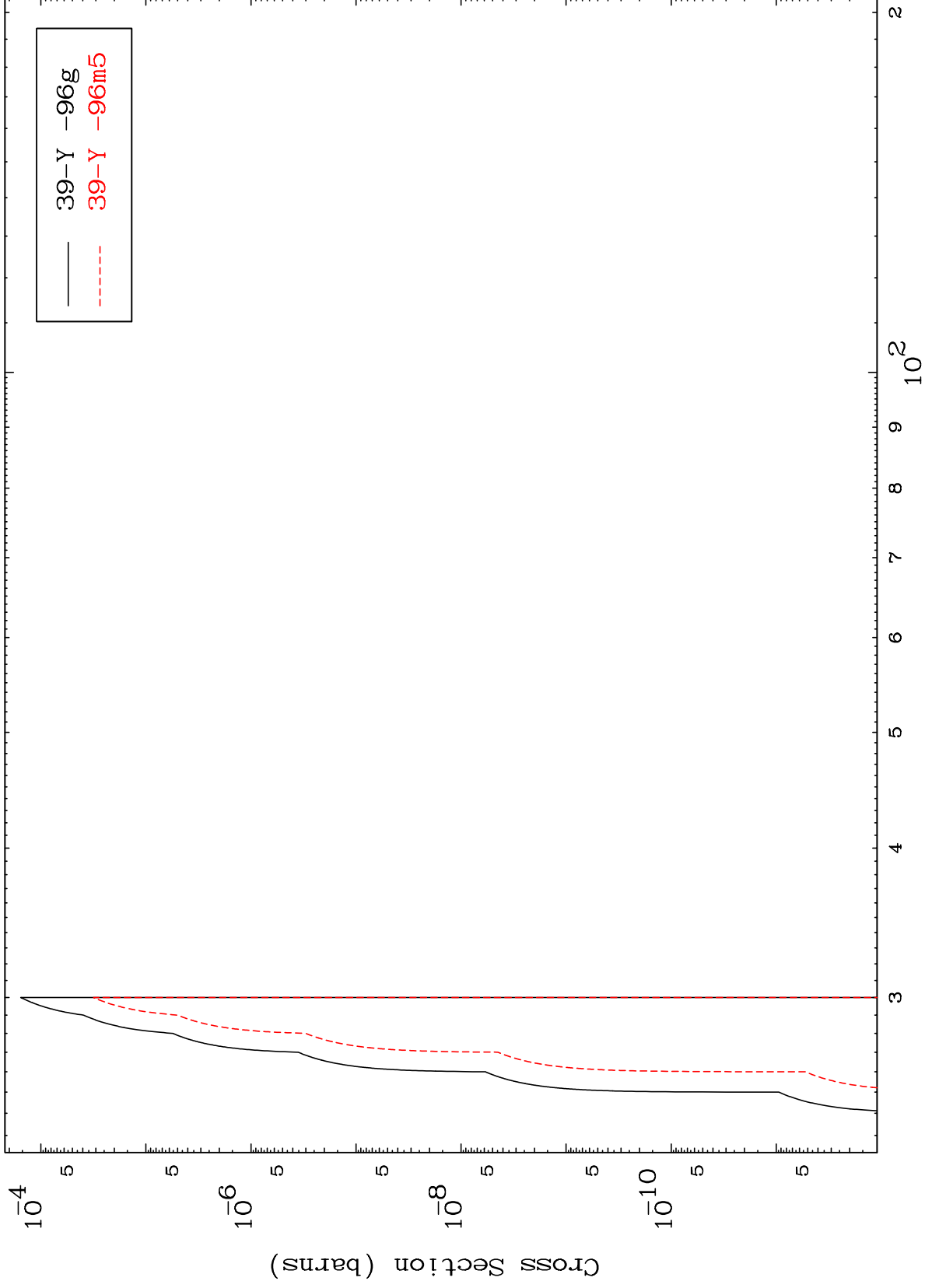
40-Zr-99

MAT 4052

(n,3n) p

40-Zr-99

Radionuclide Production Cross Section



138

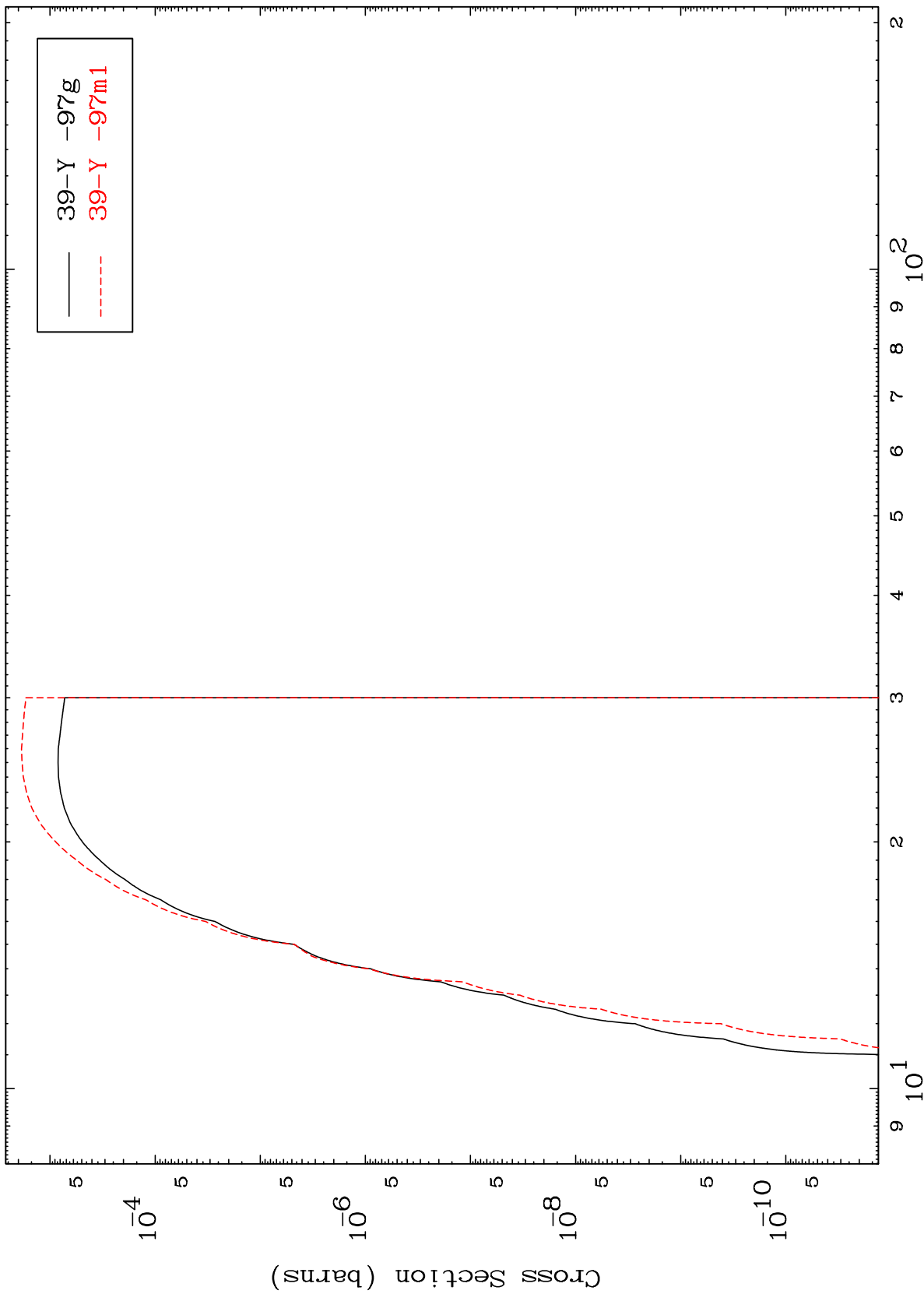
Incident Energy (MeV)

40-Zr-99

MAT 4052

40-Zr-99

(n, t)  
Radionuclide Production Cross Section



40-Zr-99

Incident Energy (MeV)

139