

Program EVALPLOT  
(Version 2018-1)

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)

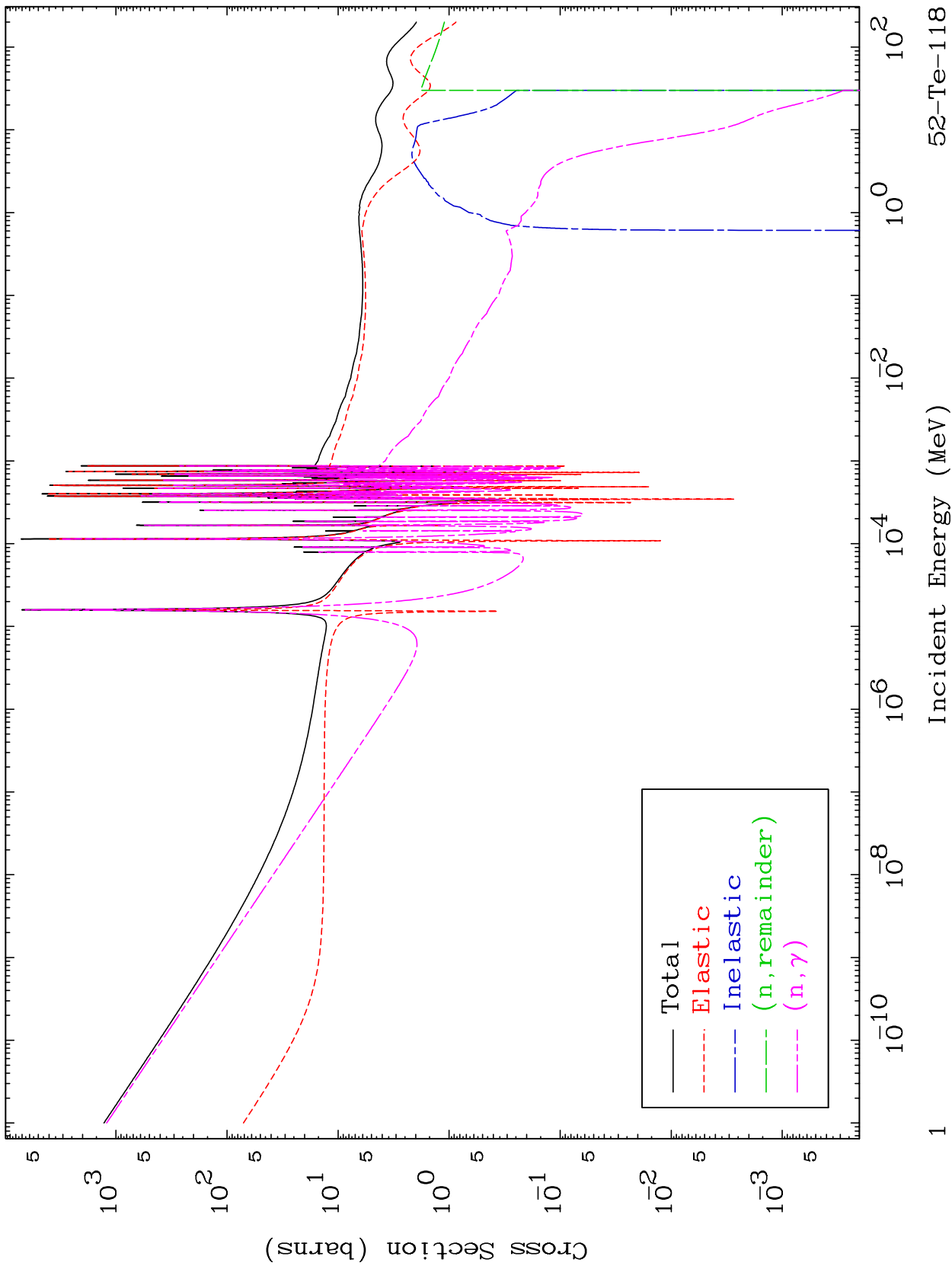
Press Mouse Button to Start

MAT 5219

Major

293 Kelvin Cross Sections

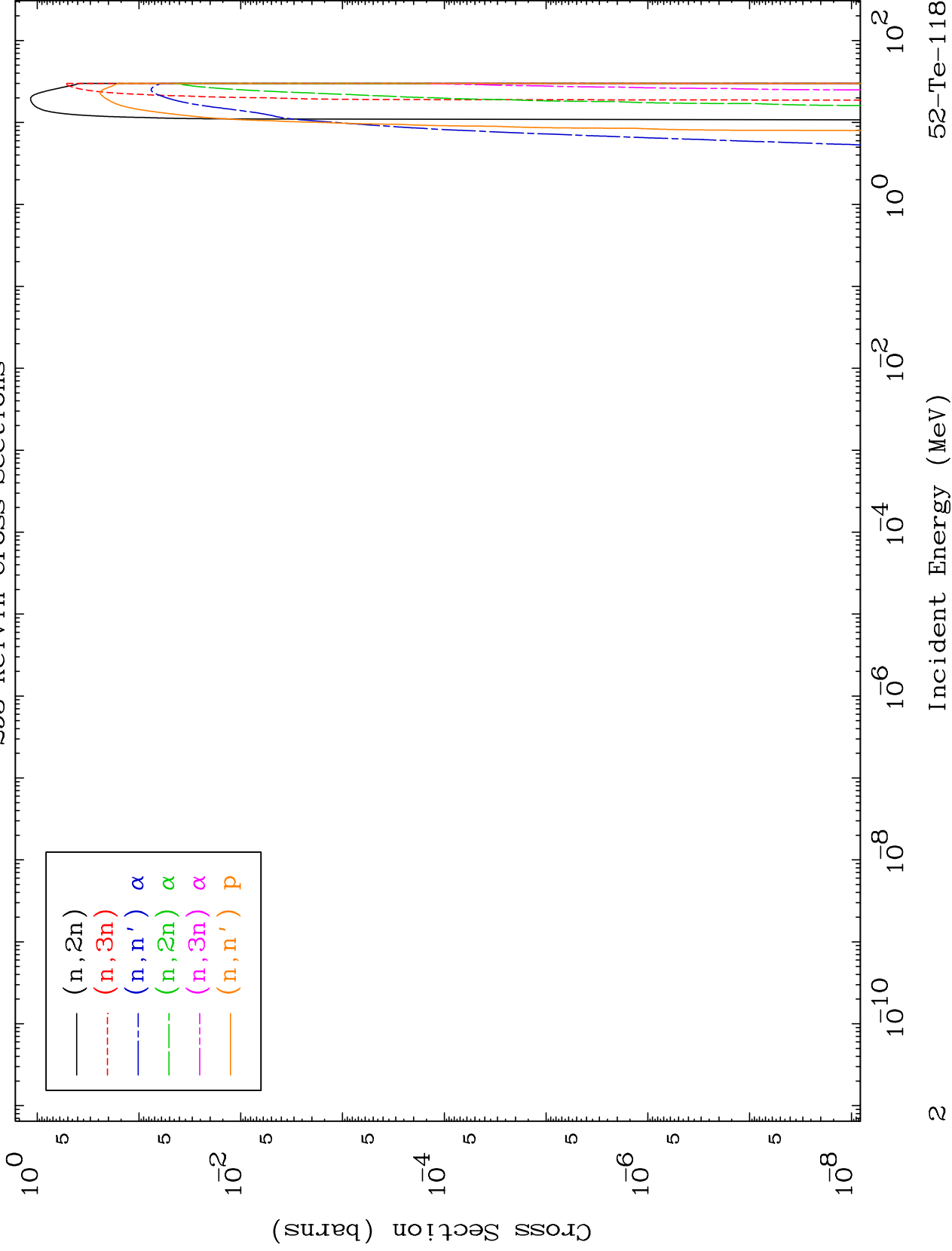
52-Te-118

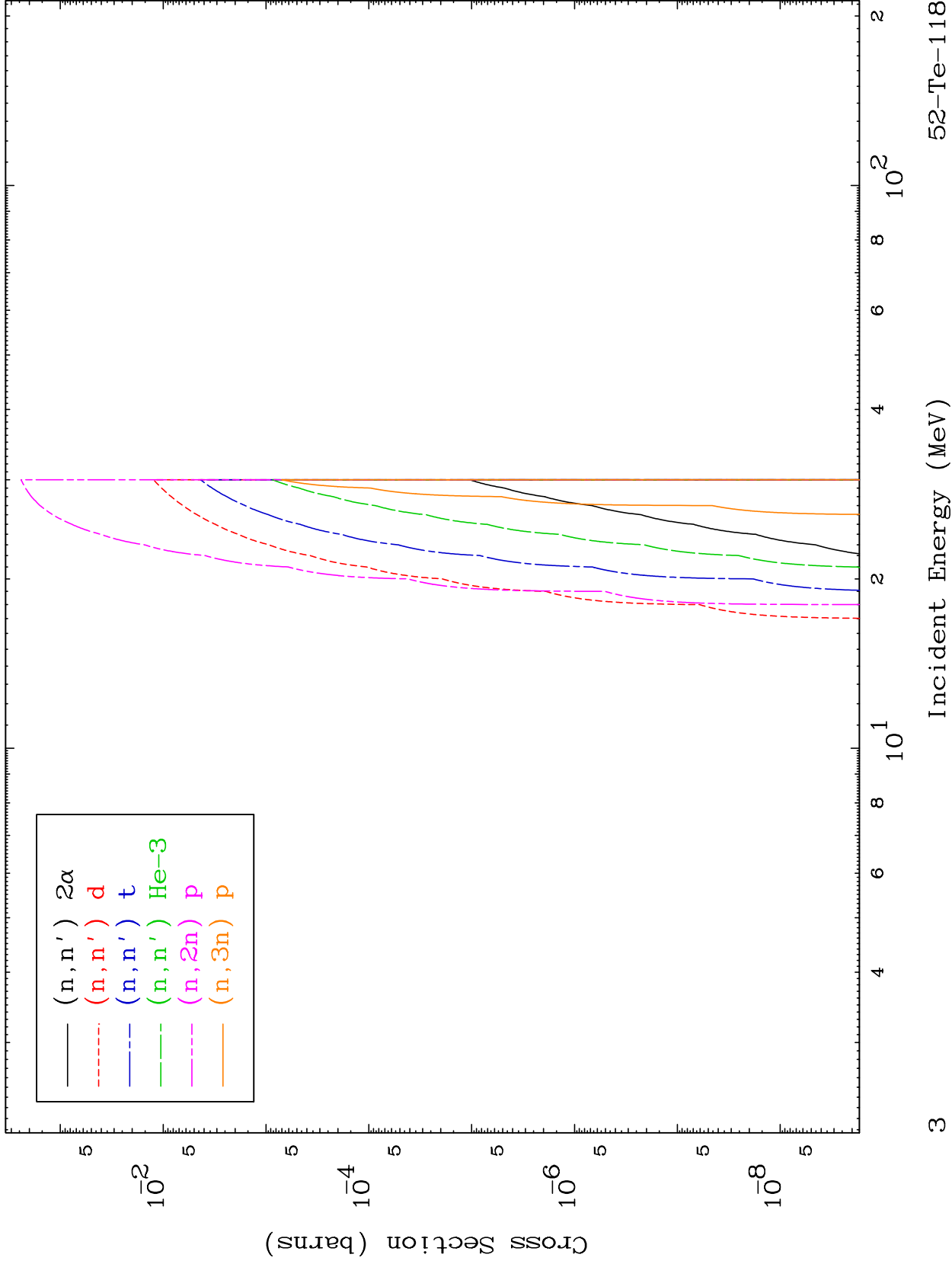


MAT 5219

Neutron Production  
293 Kelvin Cross Sections

52-Te-118

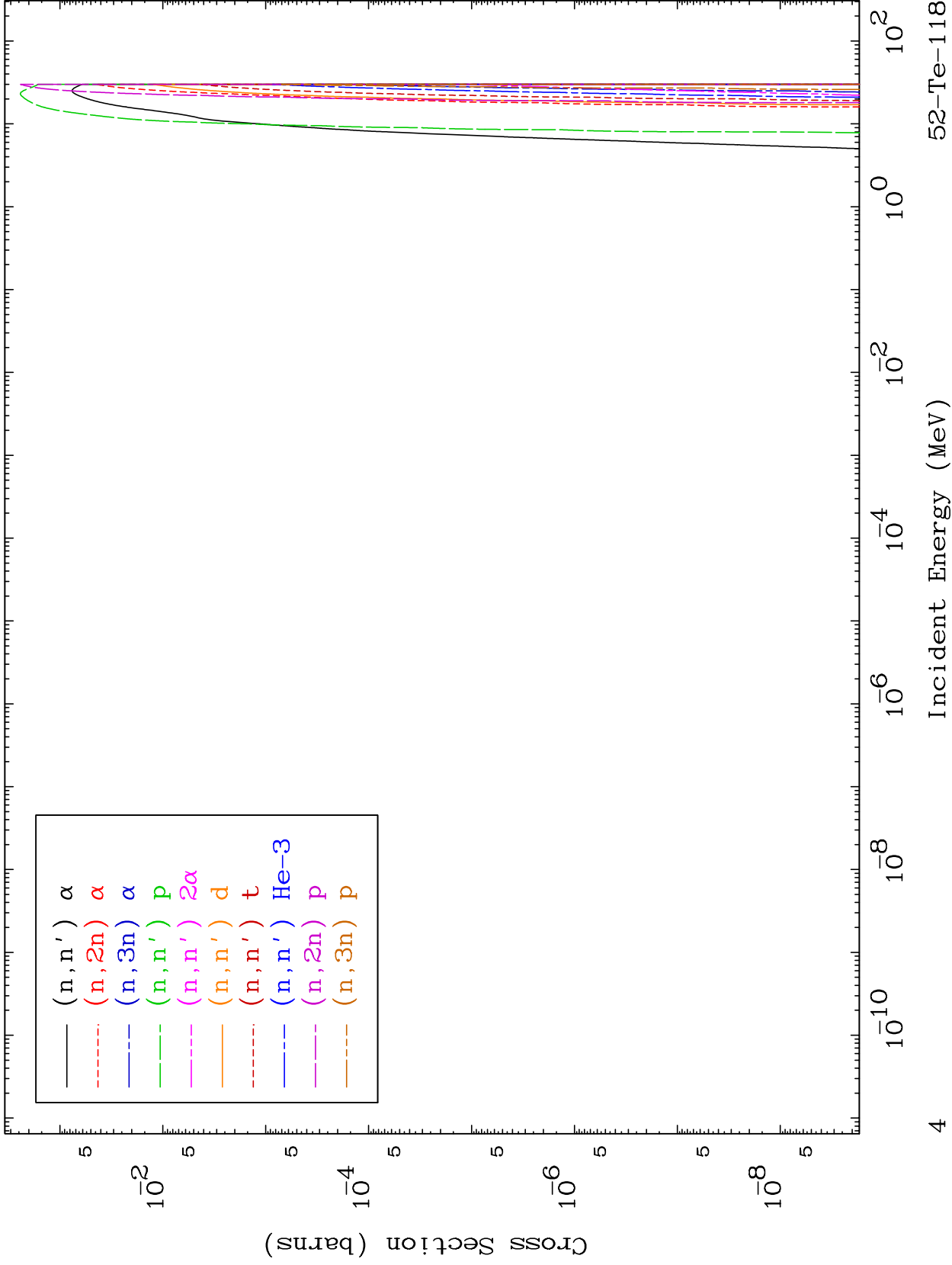




MAT 5219

Charged Particle  
293 Kelvin Cross Sections

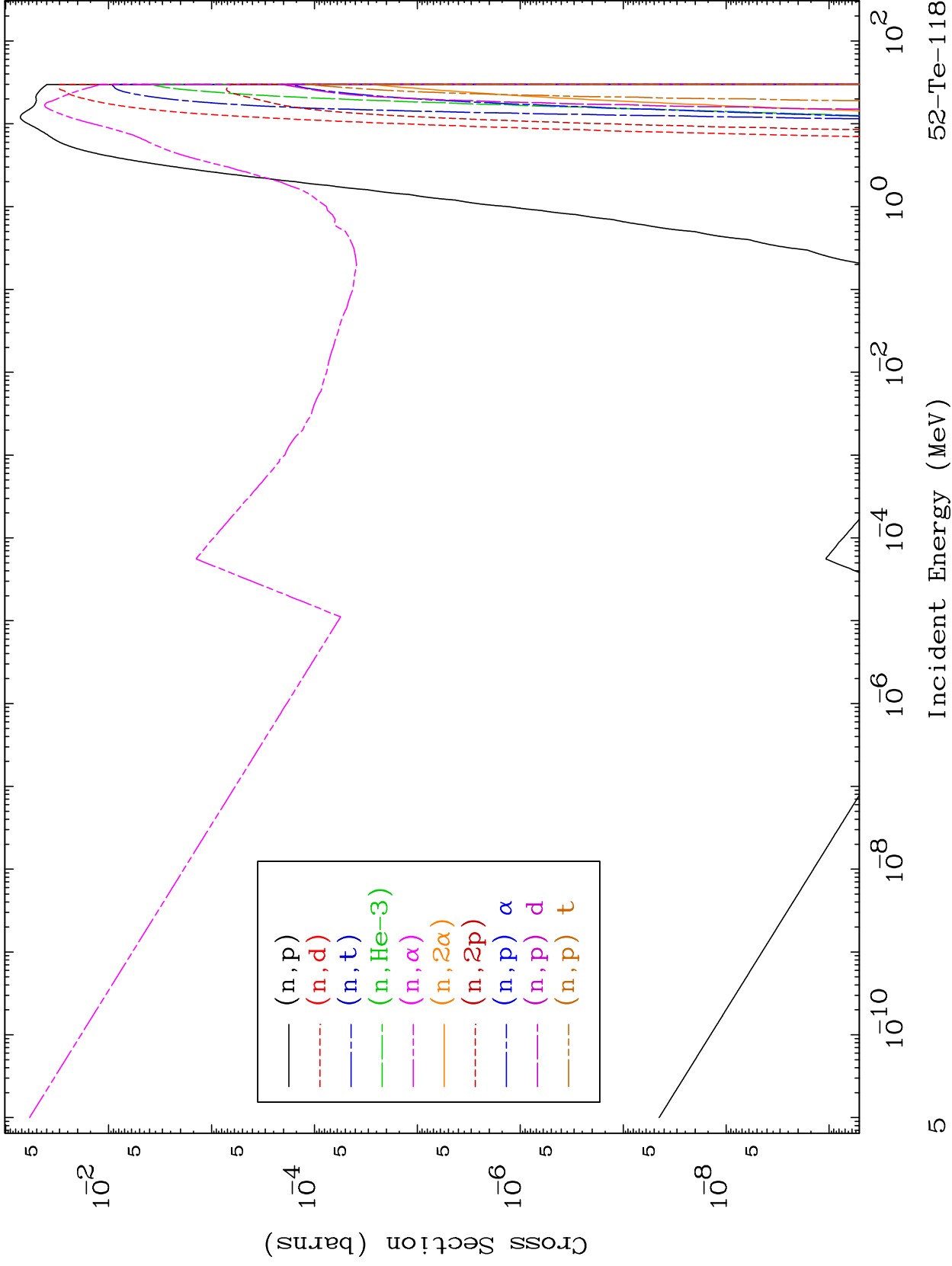
52-Te-118



MAT 5219

Charged Particle  
293 Kelvin Cross Sections

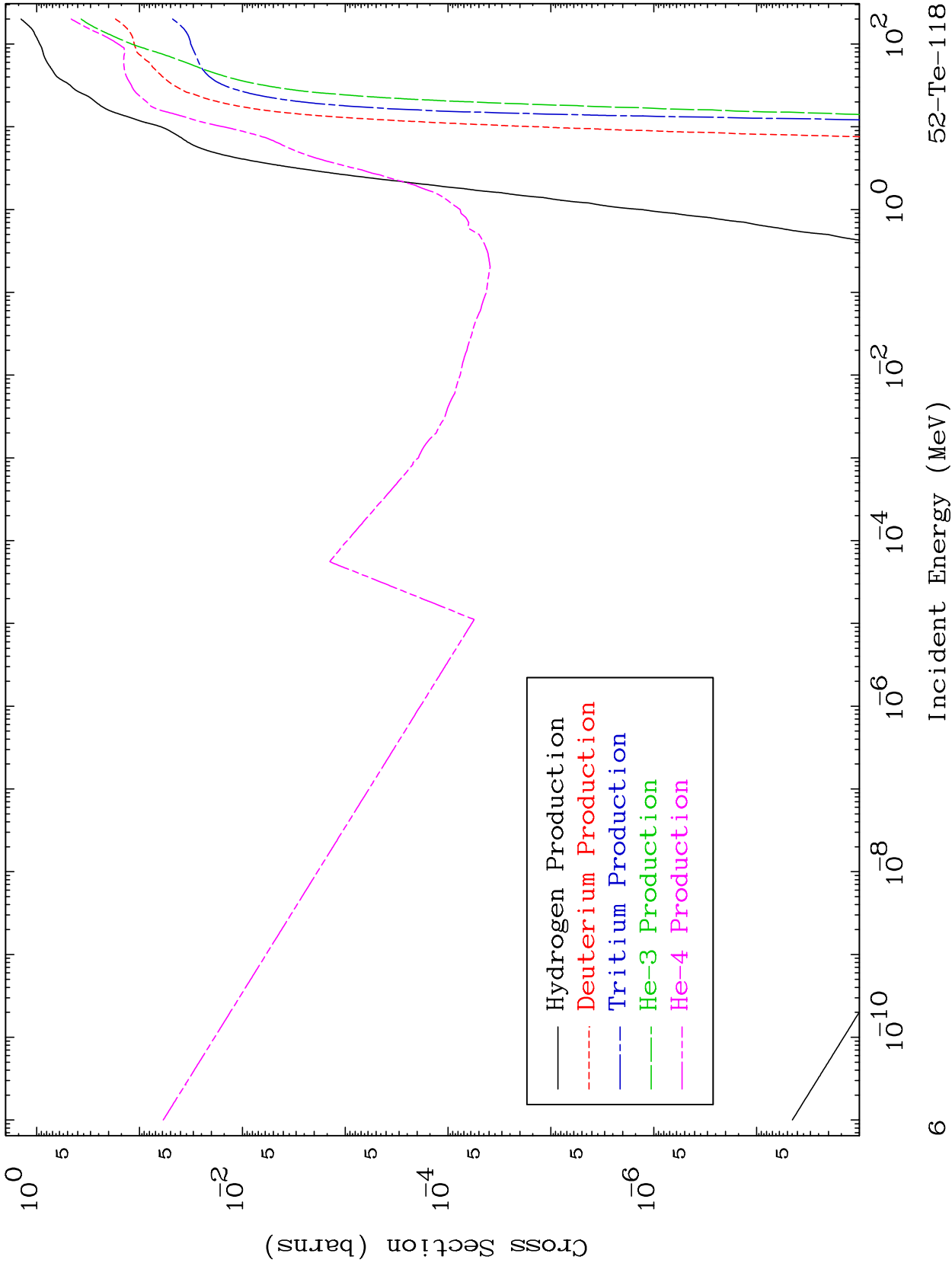
52-Te-118



MAT 5219

Particle Production  
293 Kelvin Cross Sections

52-Te-118

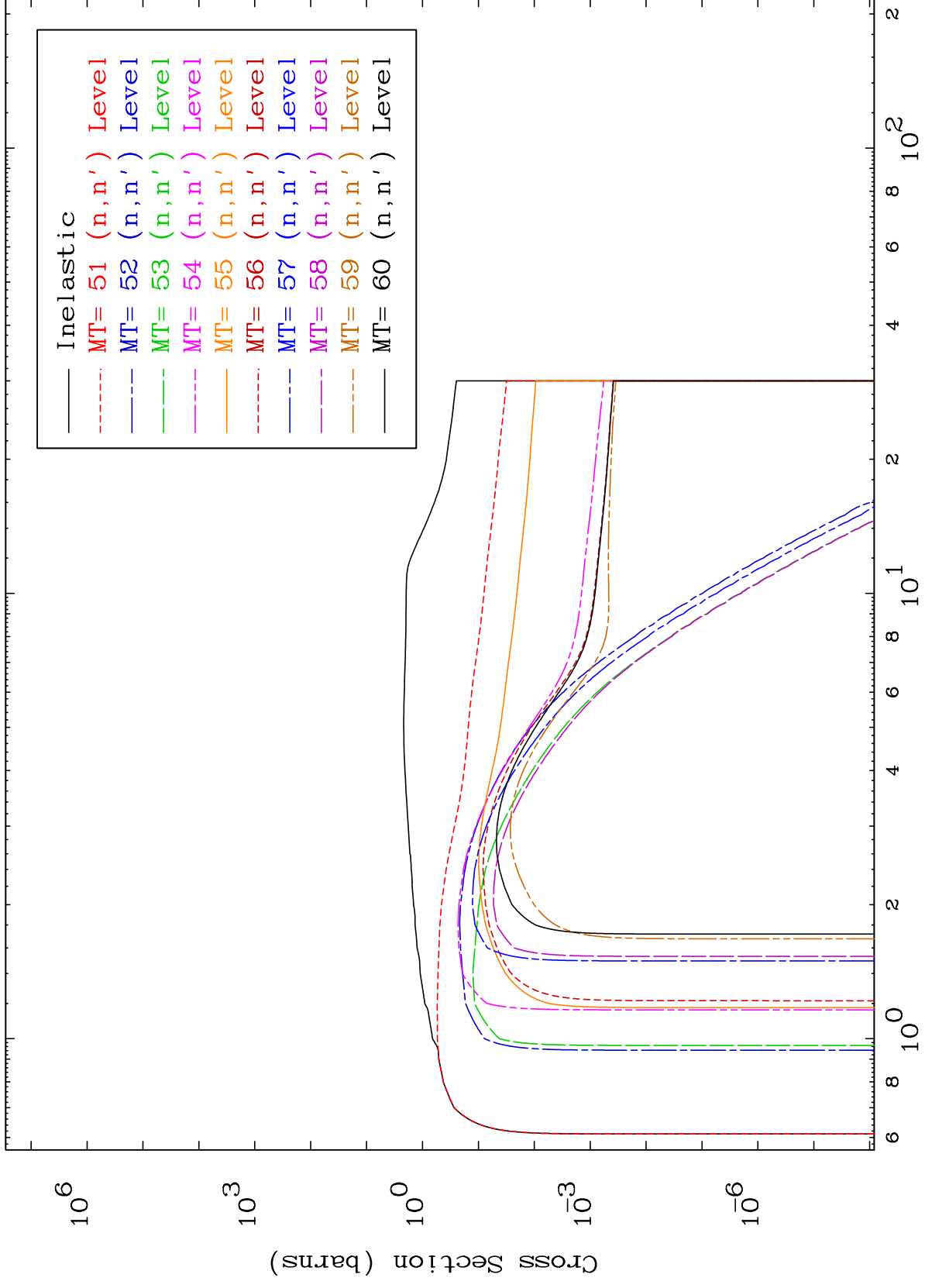


MAT 5219

(n,n') Level

52-Te-118

293 Kelvin Cross Sections



7

Incident Energy (MeV)

52-Te-118

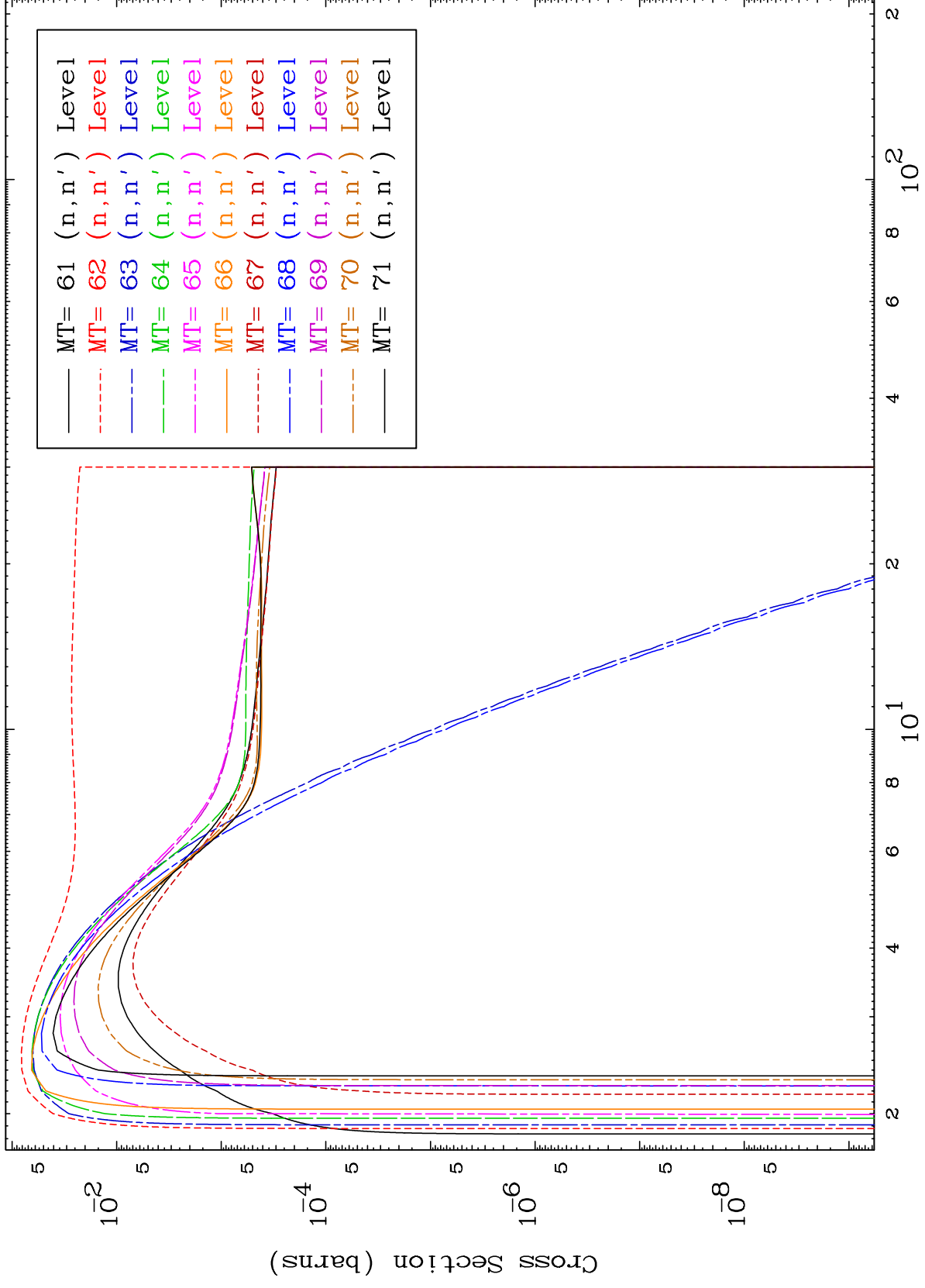


MAT 5219

(n,n') Level

293 Kelvin Cross Sections

52-Te-118

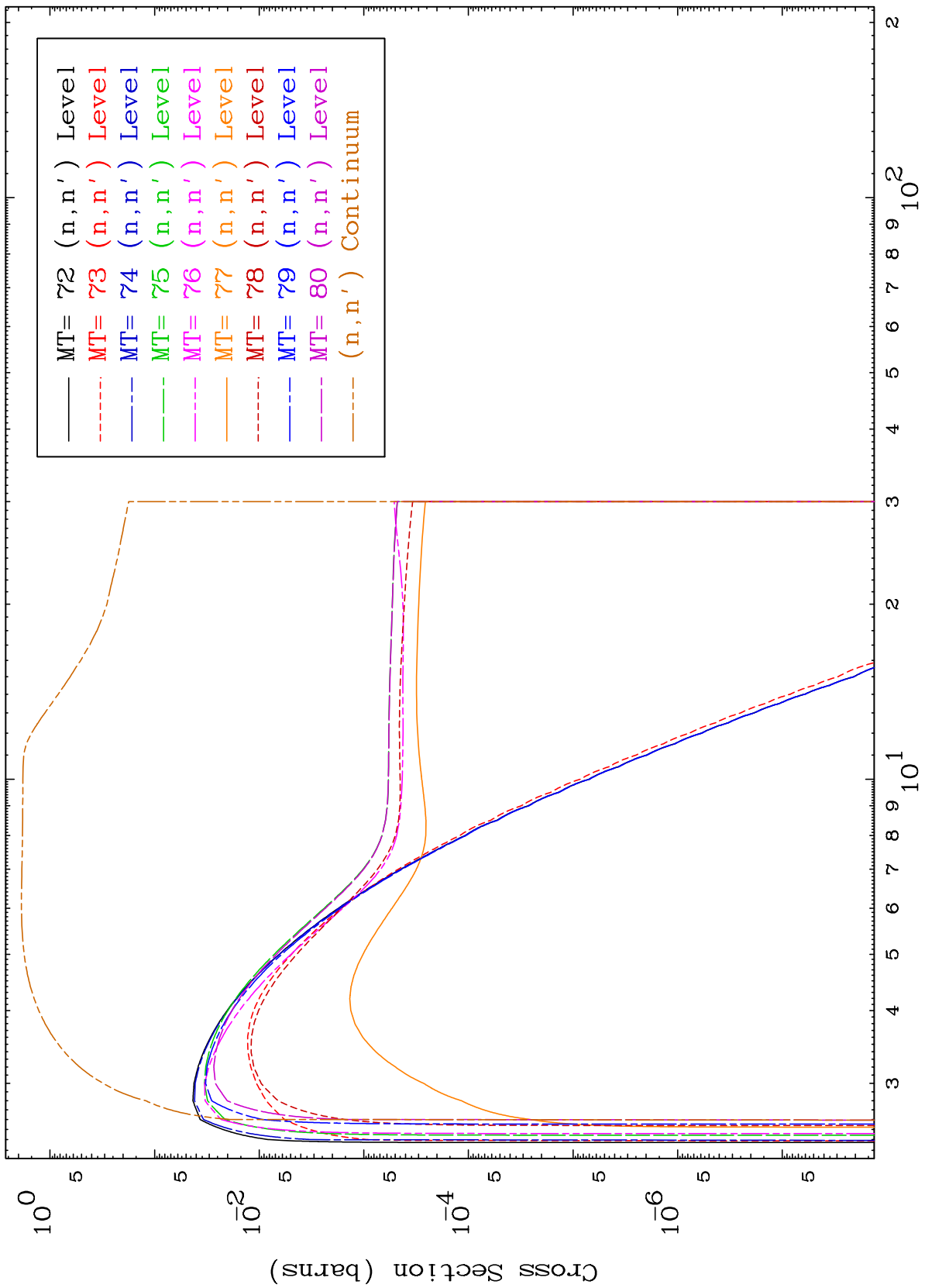


8

Incident Energy (MeV)

52-Te-118

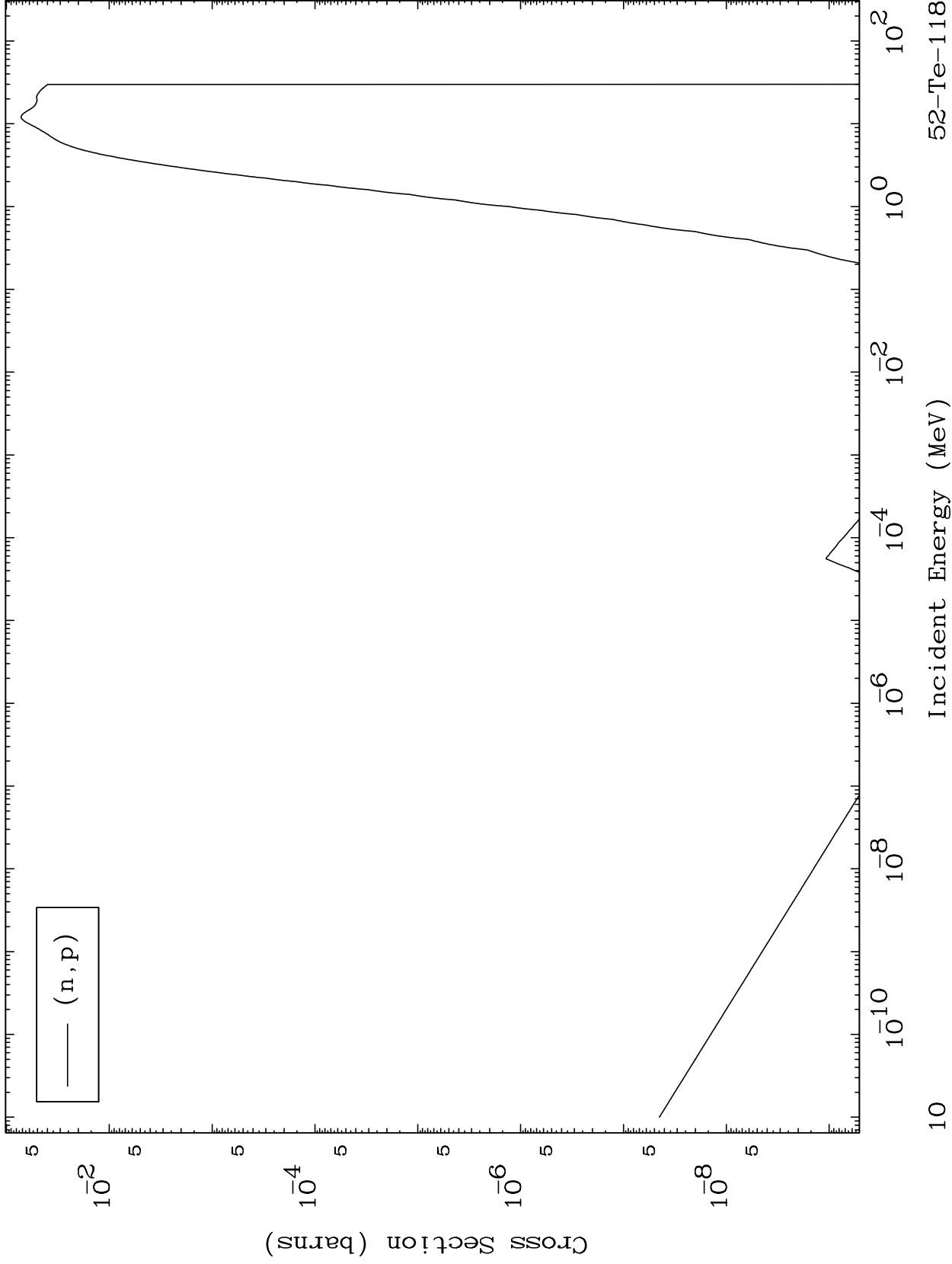
293 Kelvin Cross Sections



MAT 5219

(n,p) Levels  
293 Kelvin Cross Sections

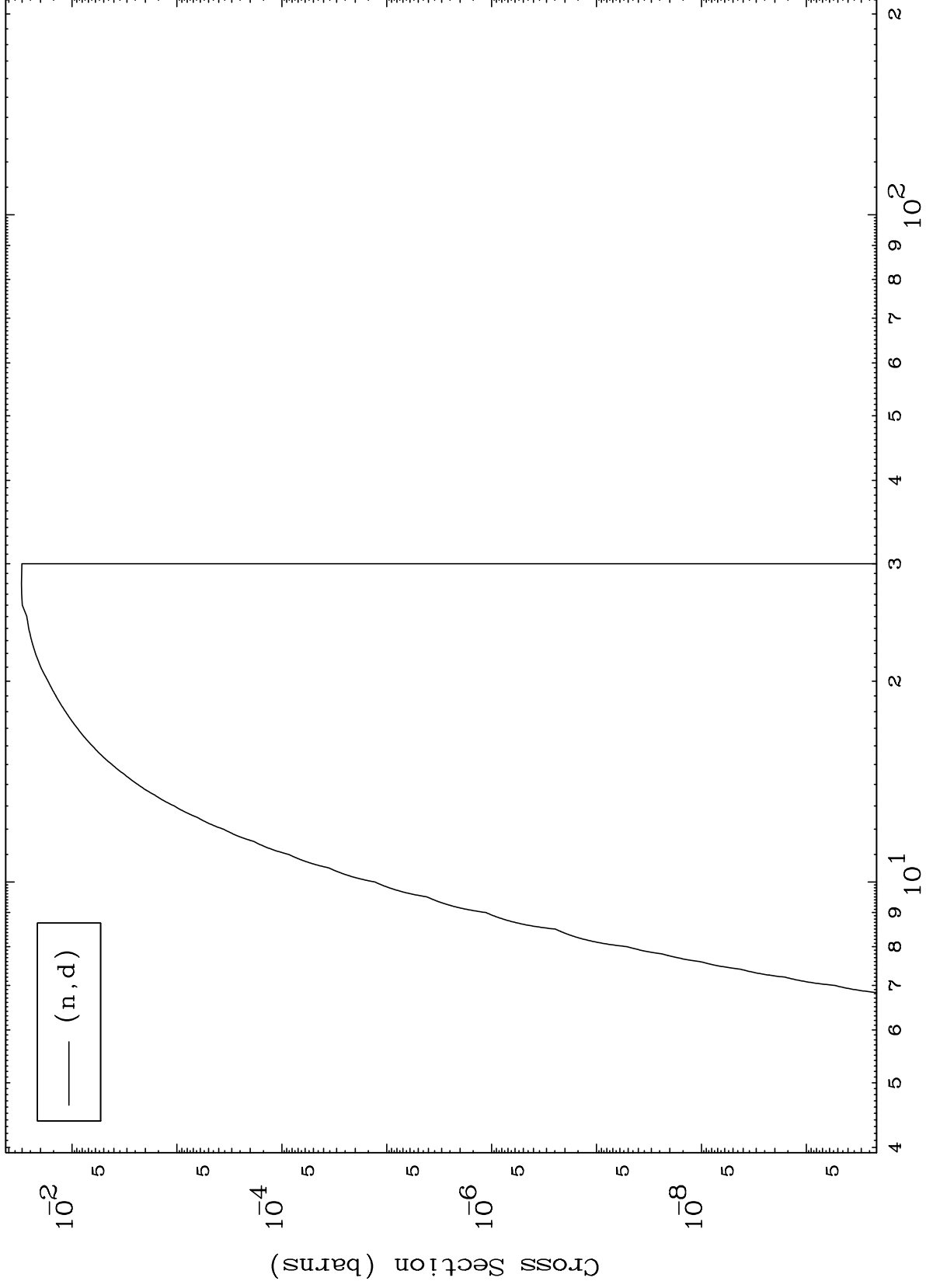
52-Te-118



MAT 5219

(n,d) Levels  
293 Kelvin Cross Sections

52-Te-118



11

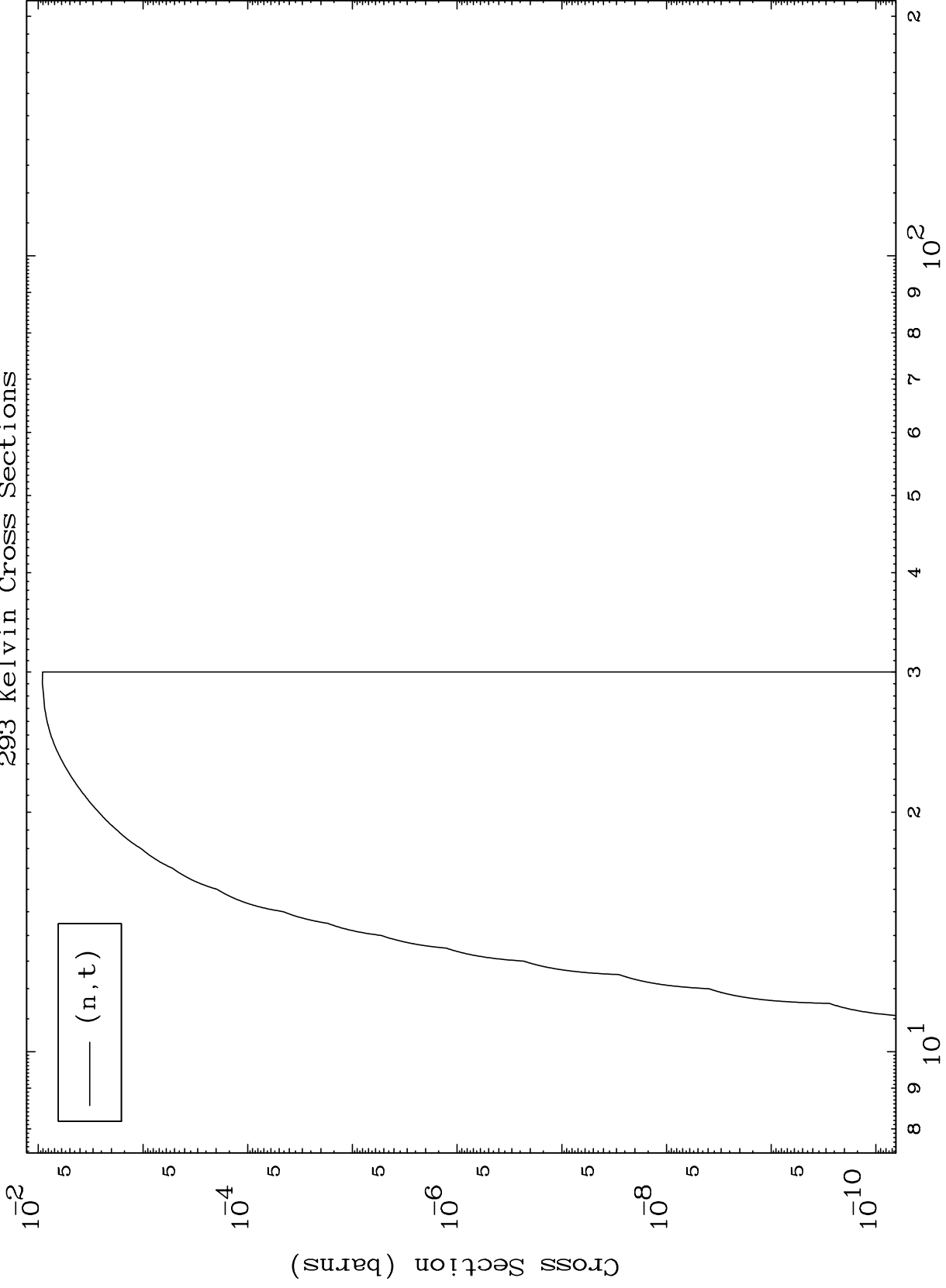
Incident Energy (MeV)

52-Te-118

MAT 5219

(n,t) Levels  
293 Kelvin Cross Sections

52-Te-118



12

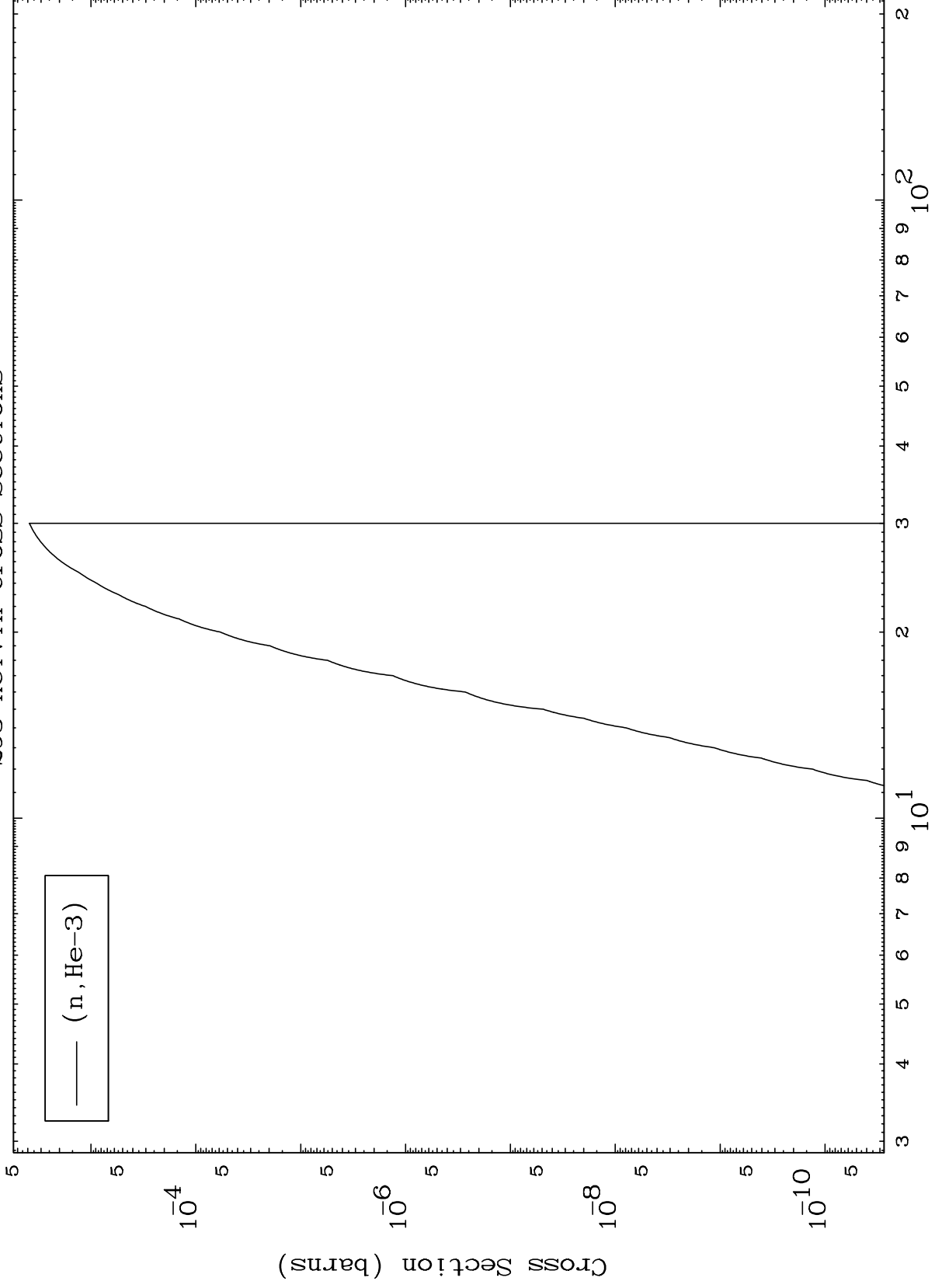
Incident Energy (MeV)

52-Te-118

MAT 5219

(n,He3) Levels  
293 Kelvin Cross Sections

52-Te-118



13

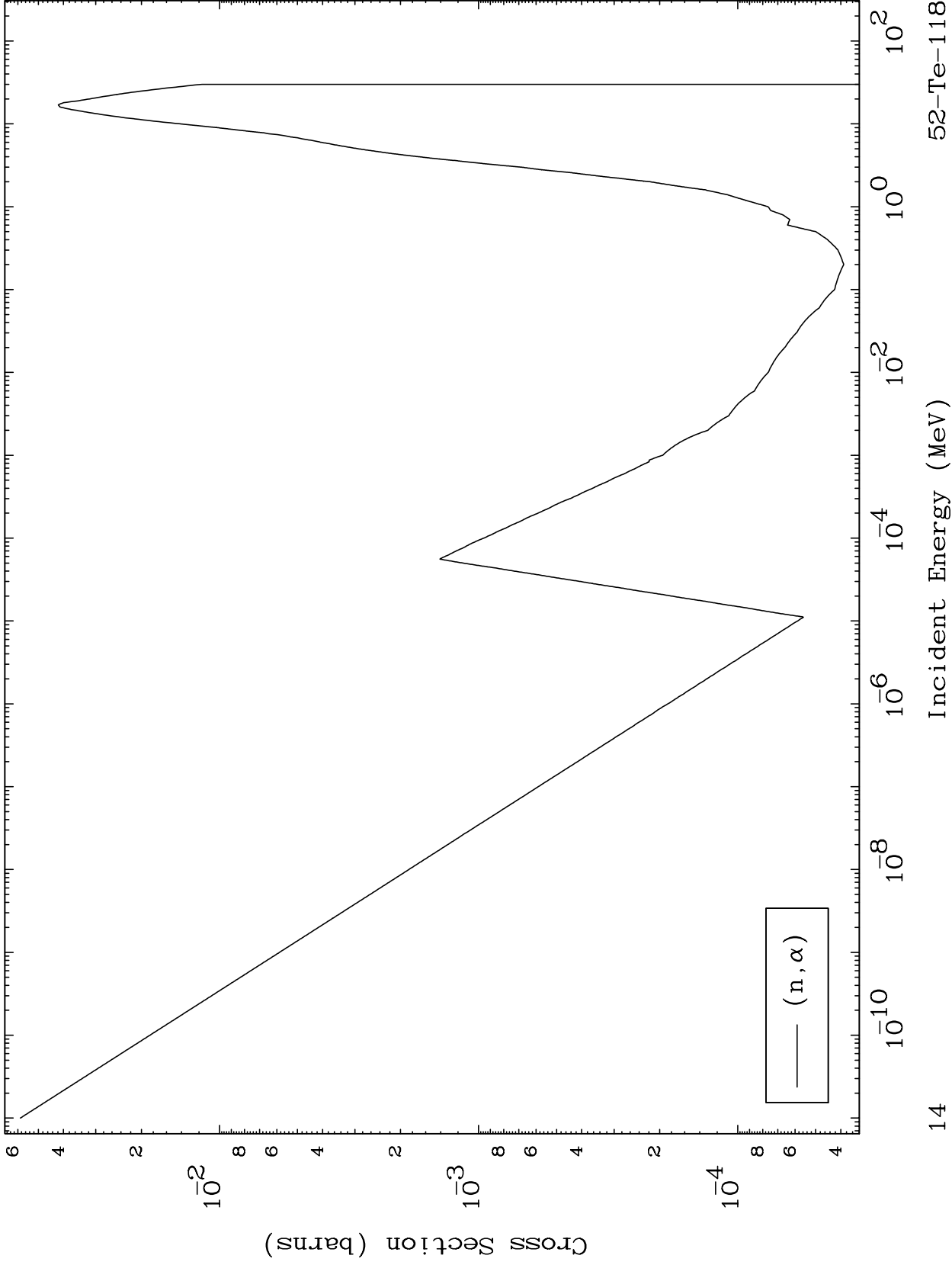
Incident Energy (MeV)

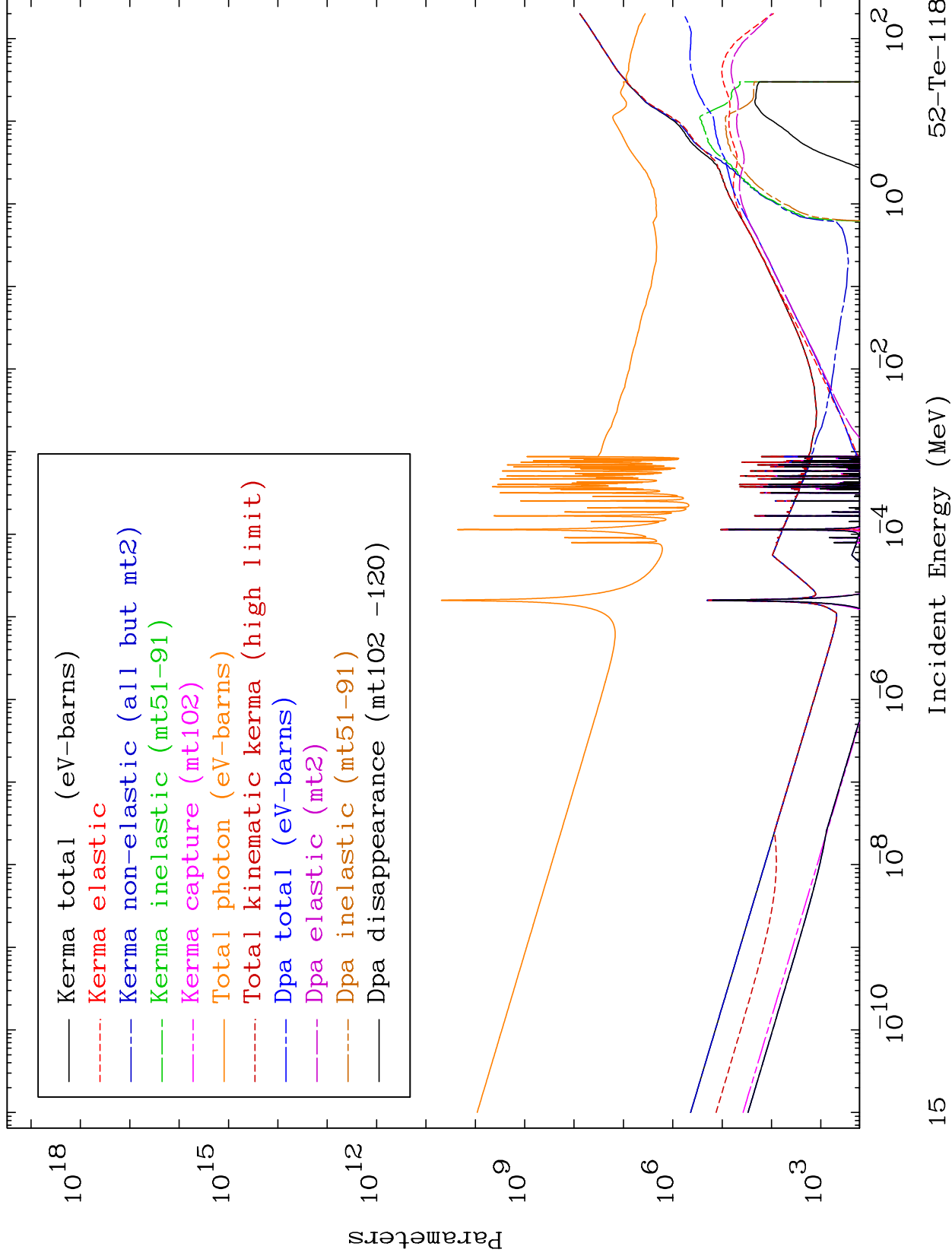
52-Te-118

MAT 5219

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

52-Te-118



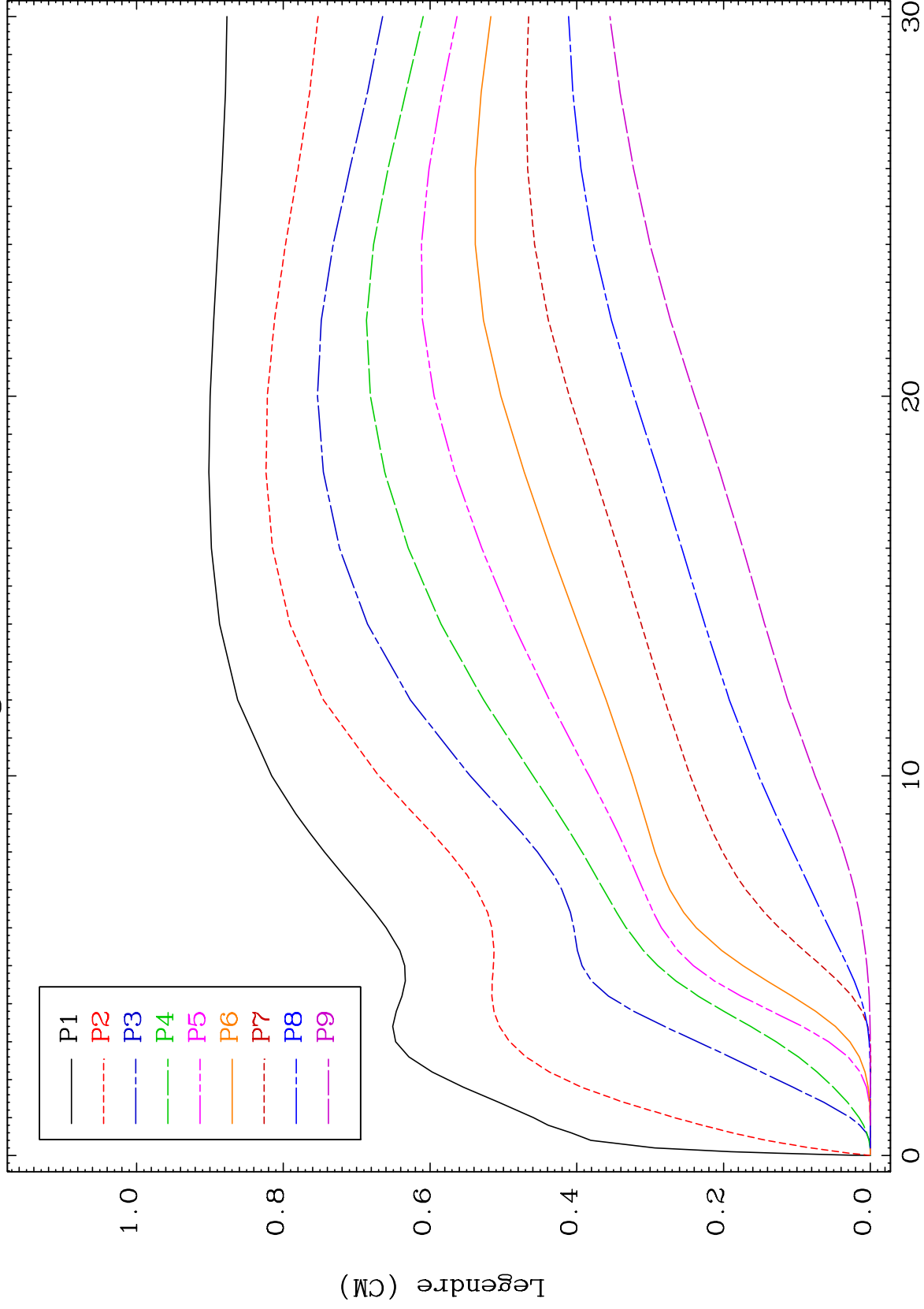




MAT 5219

Elastic Legendre Coefficients

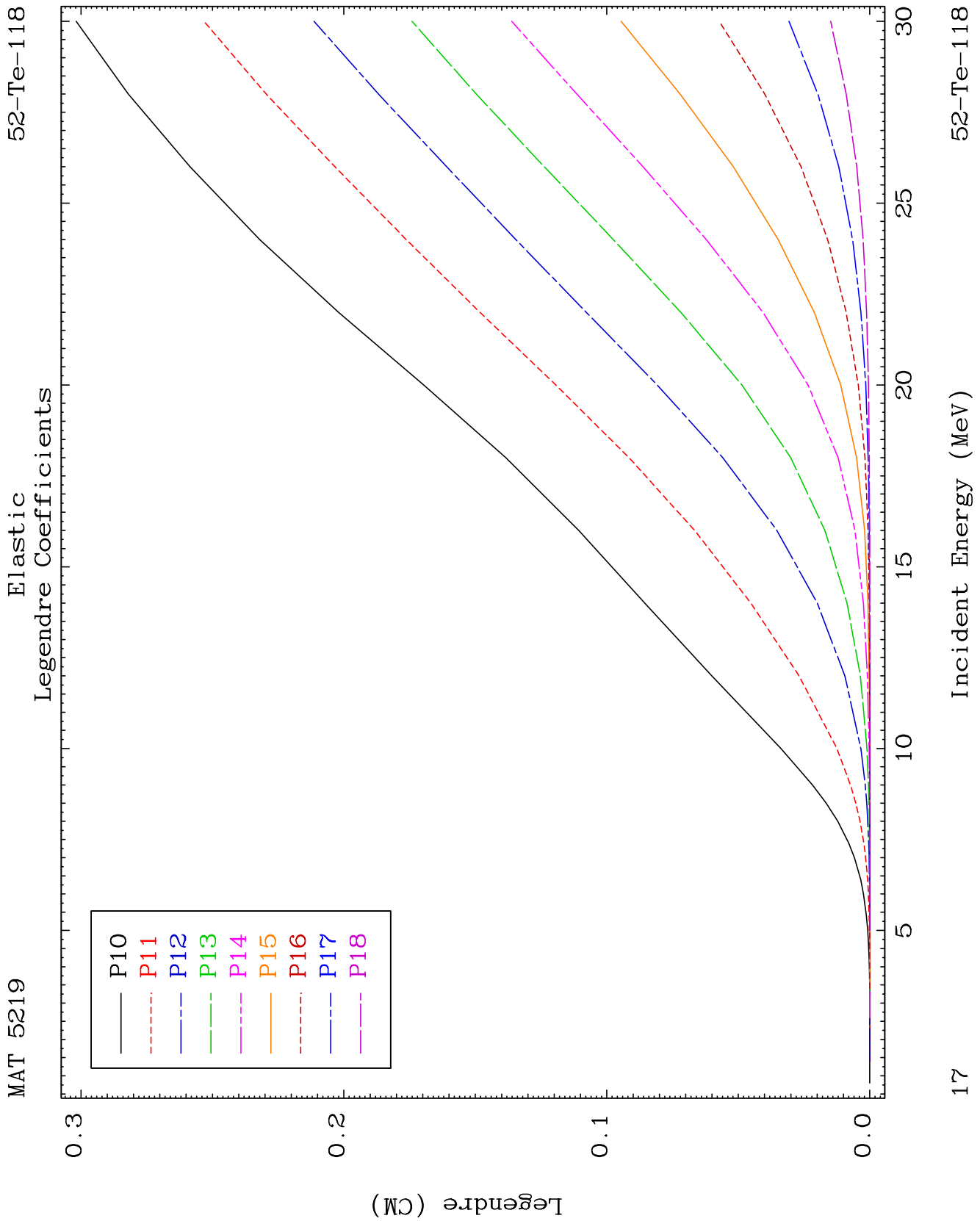
52-Te-118



16

Incident Energy (MeV)

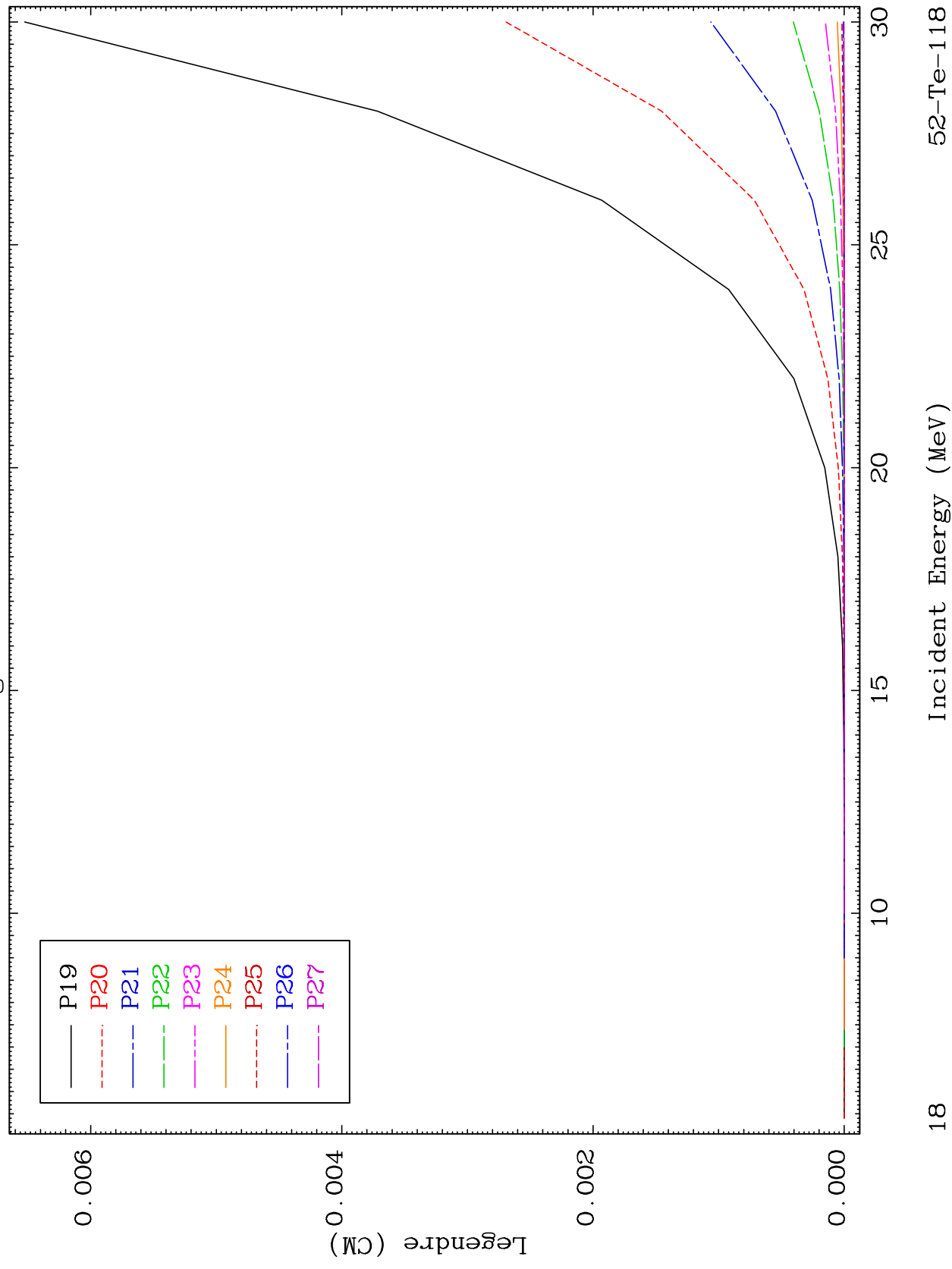
52-Te-118



MAT 5219

Elastic Legendre Coefficients

52-Te-118



18

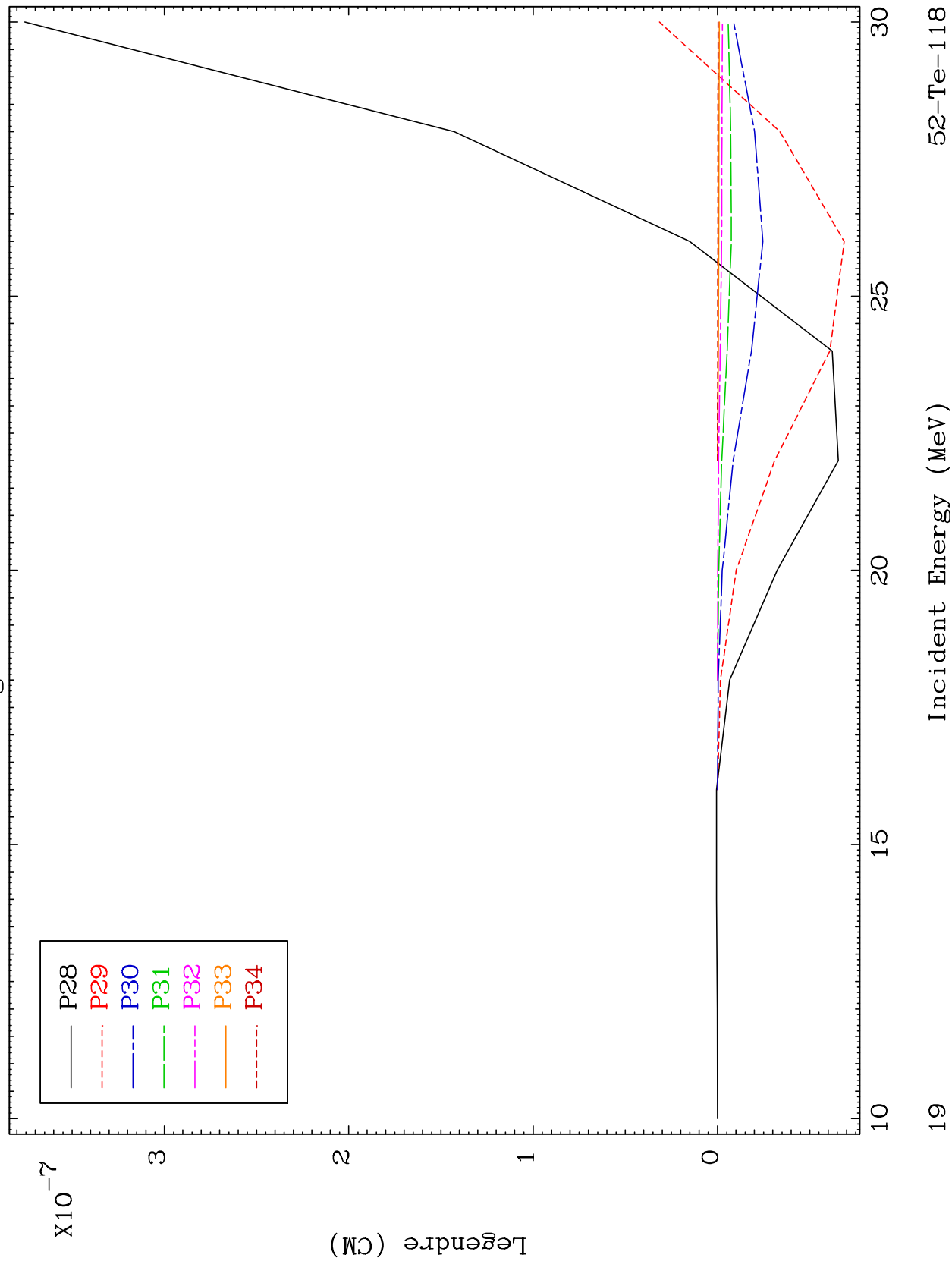
Incident Energy (MeV)

52-Te-118

MAT 5219

Elastic Legendre Coefficients

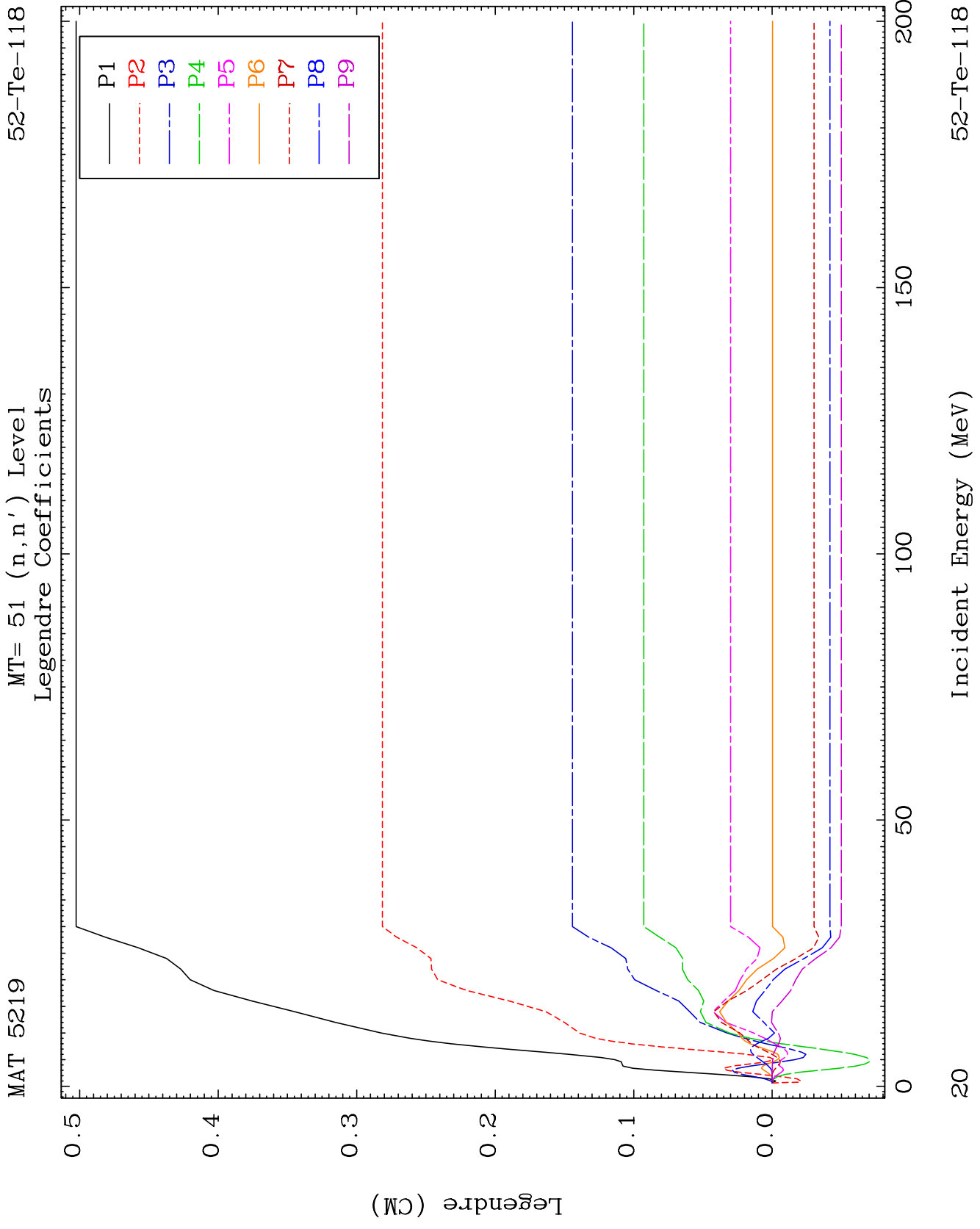
52-Te-118

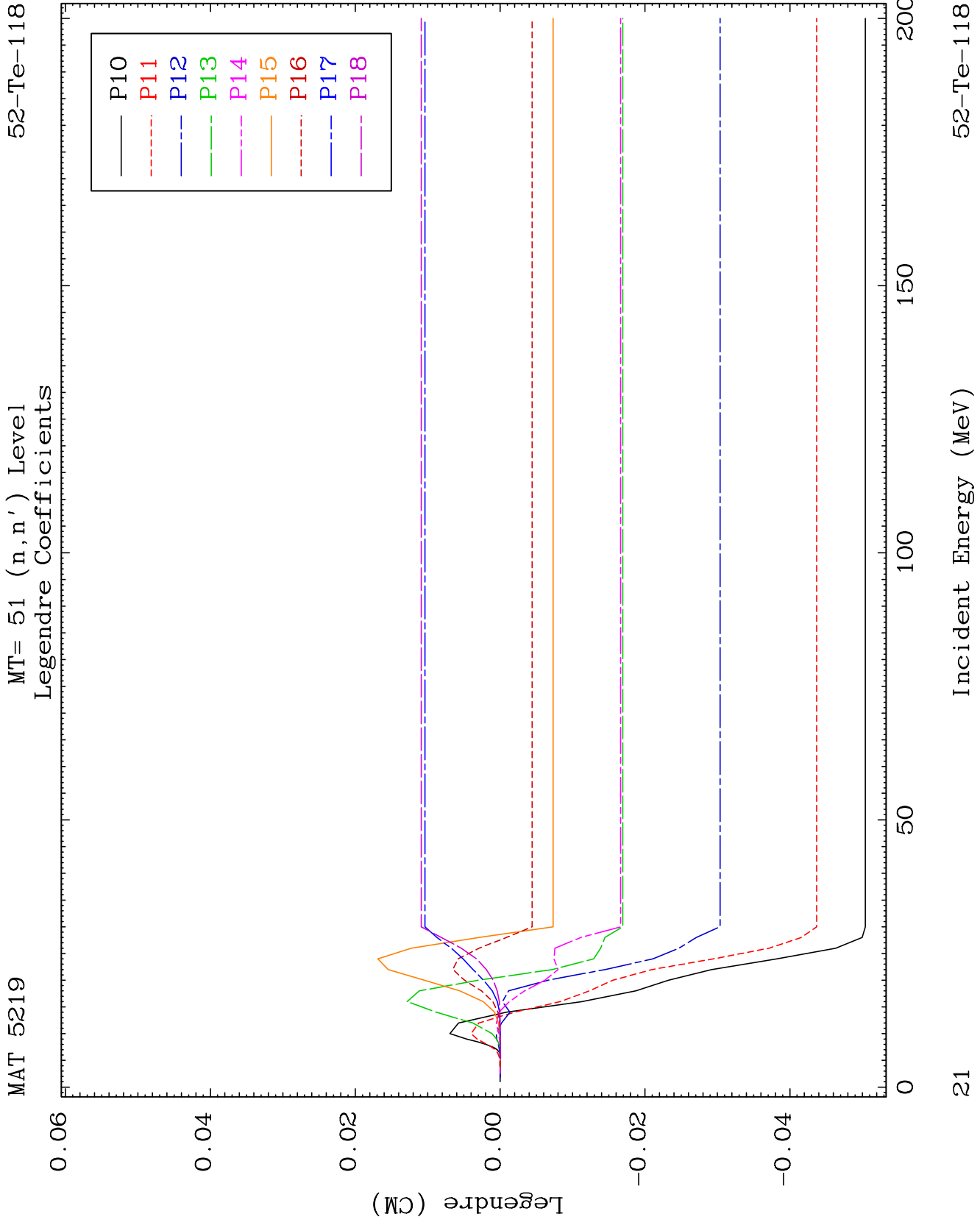


19

Incident Energy (MeV)

52-Te-118

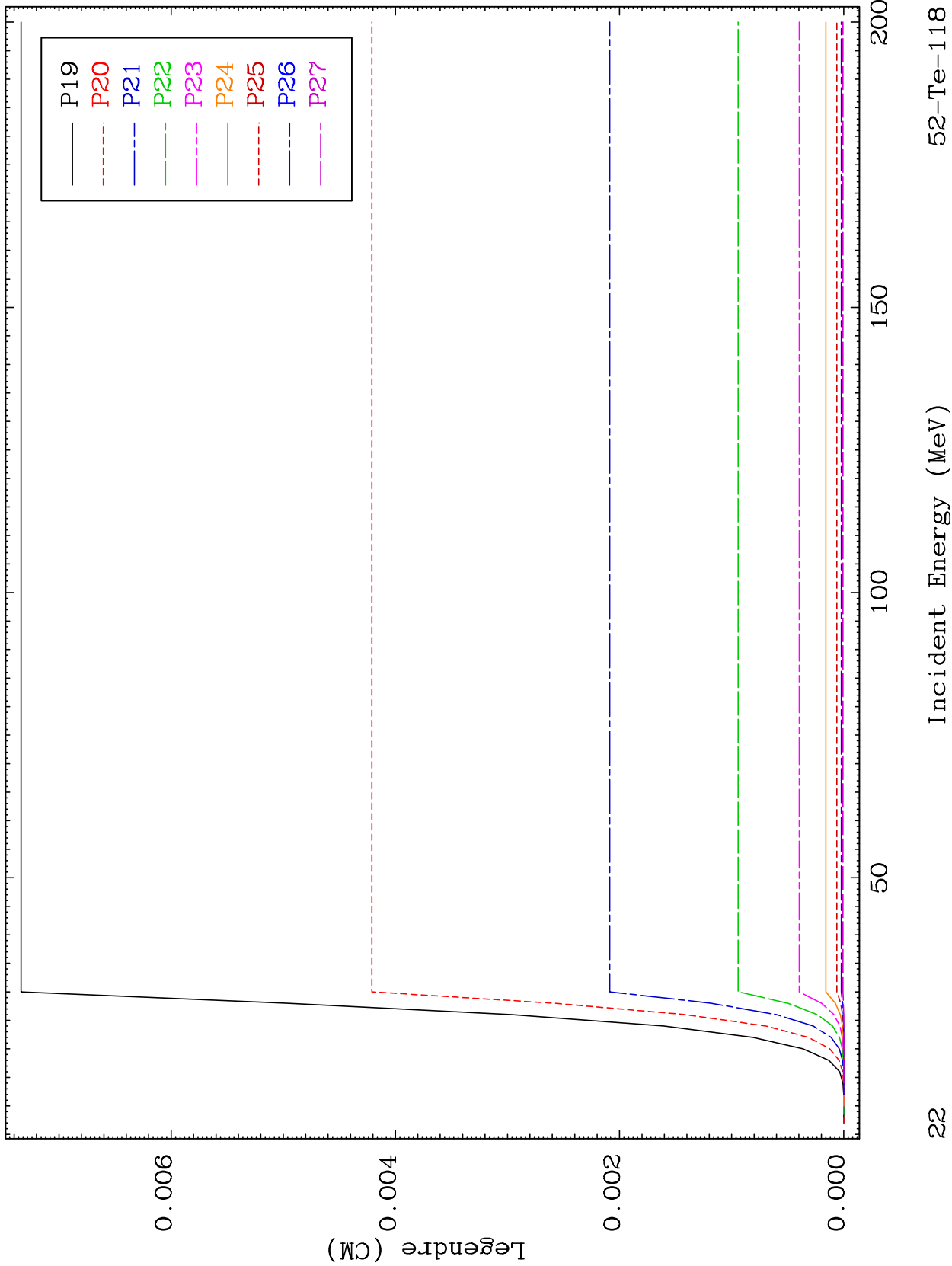




MAT 5219

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

52-Te-118



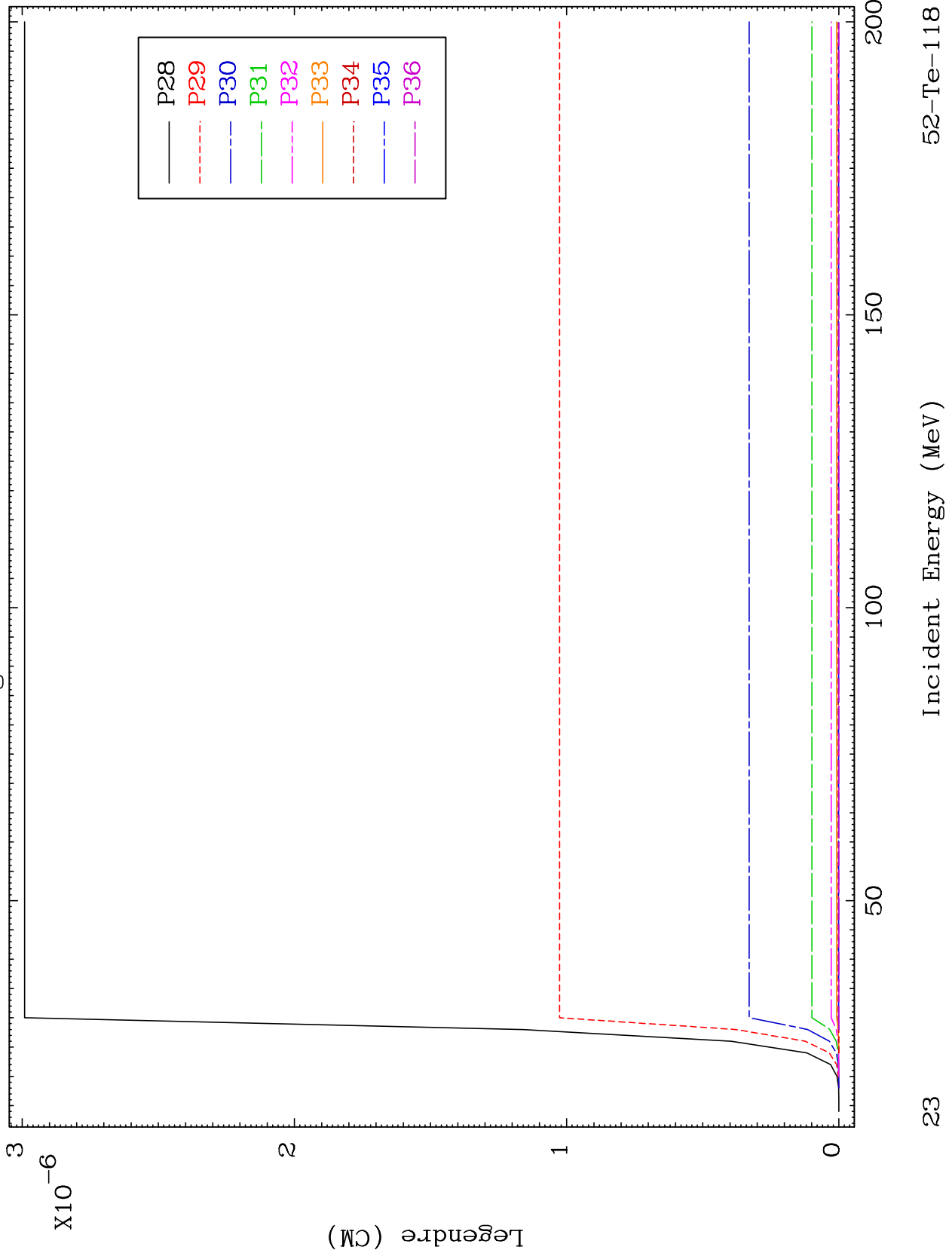
22

52-Te-118

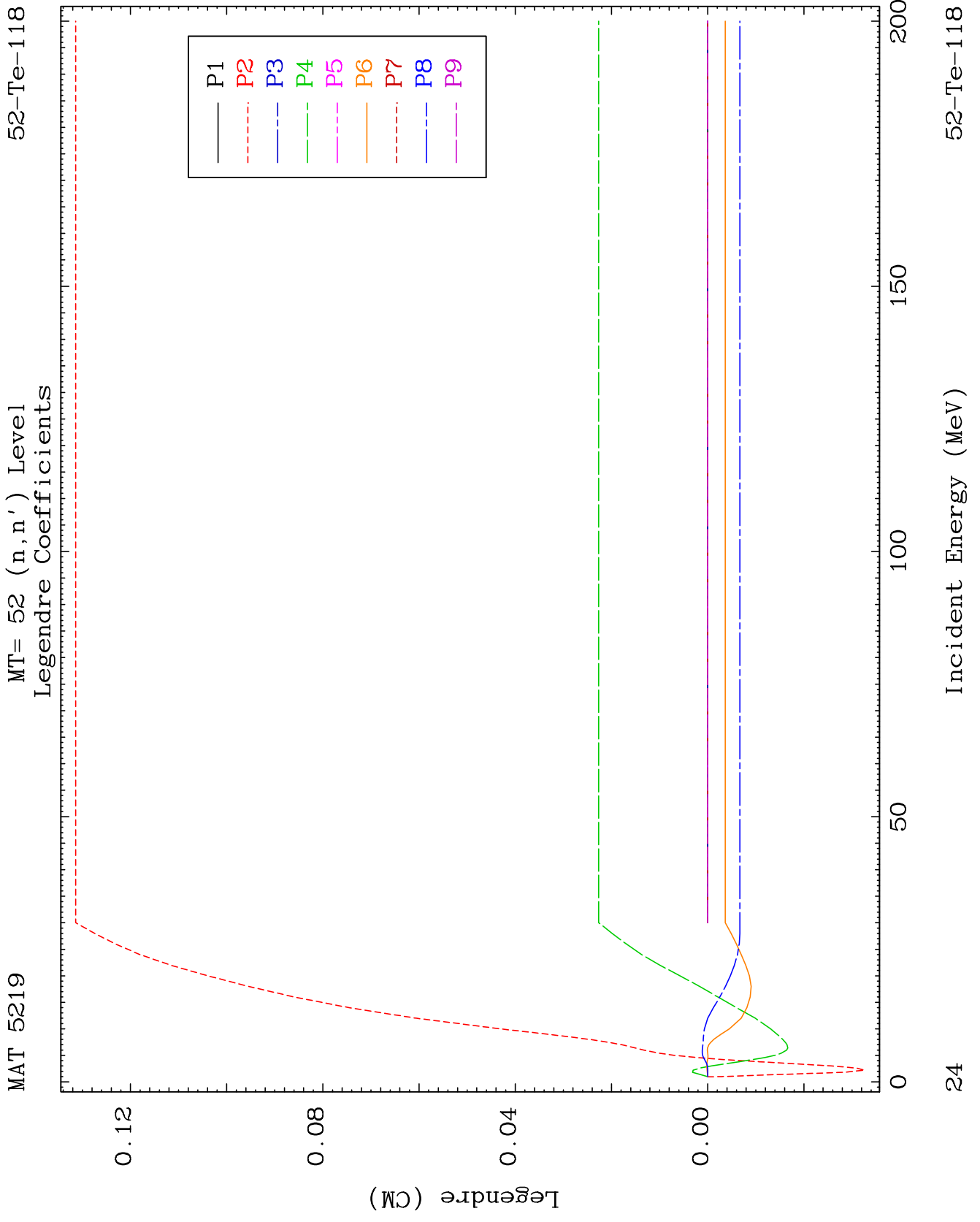
MAT 5219

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

52-Te-118



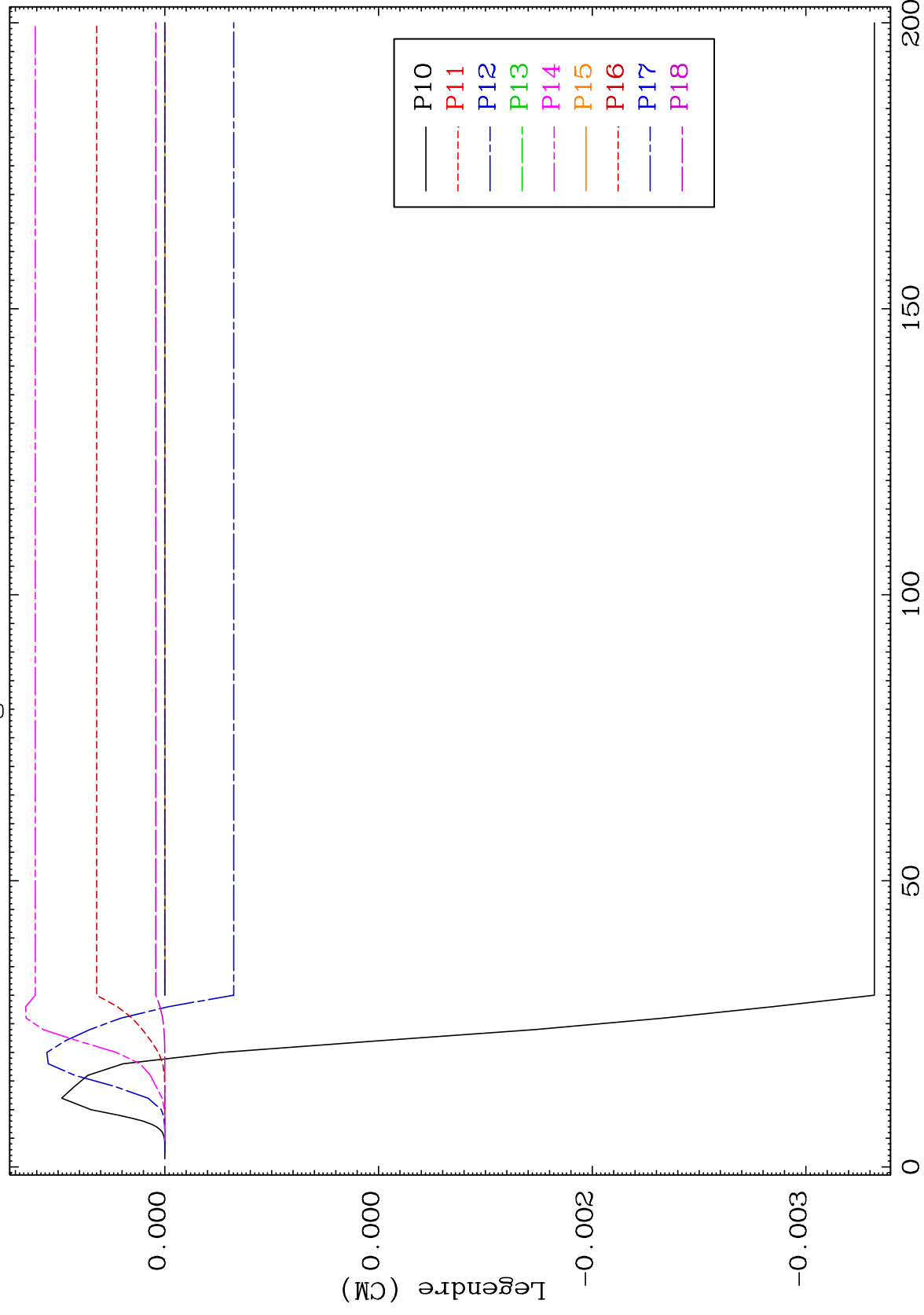




MAT 5219

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

52-Te-118

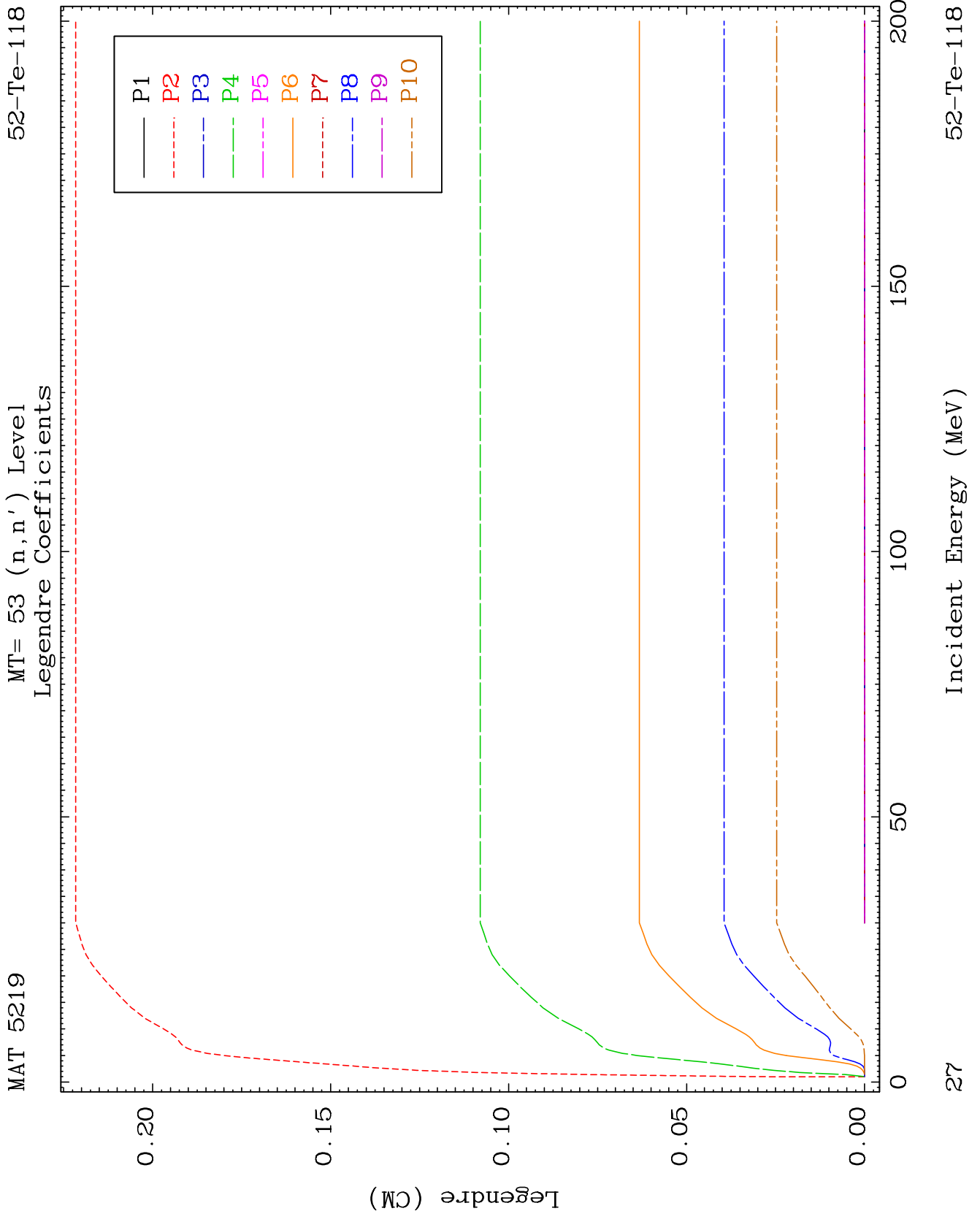


25

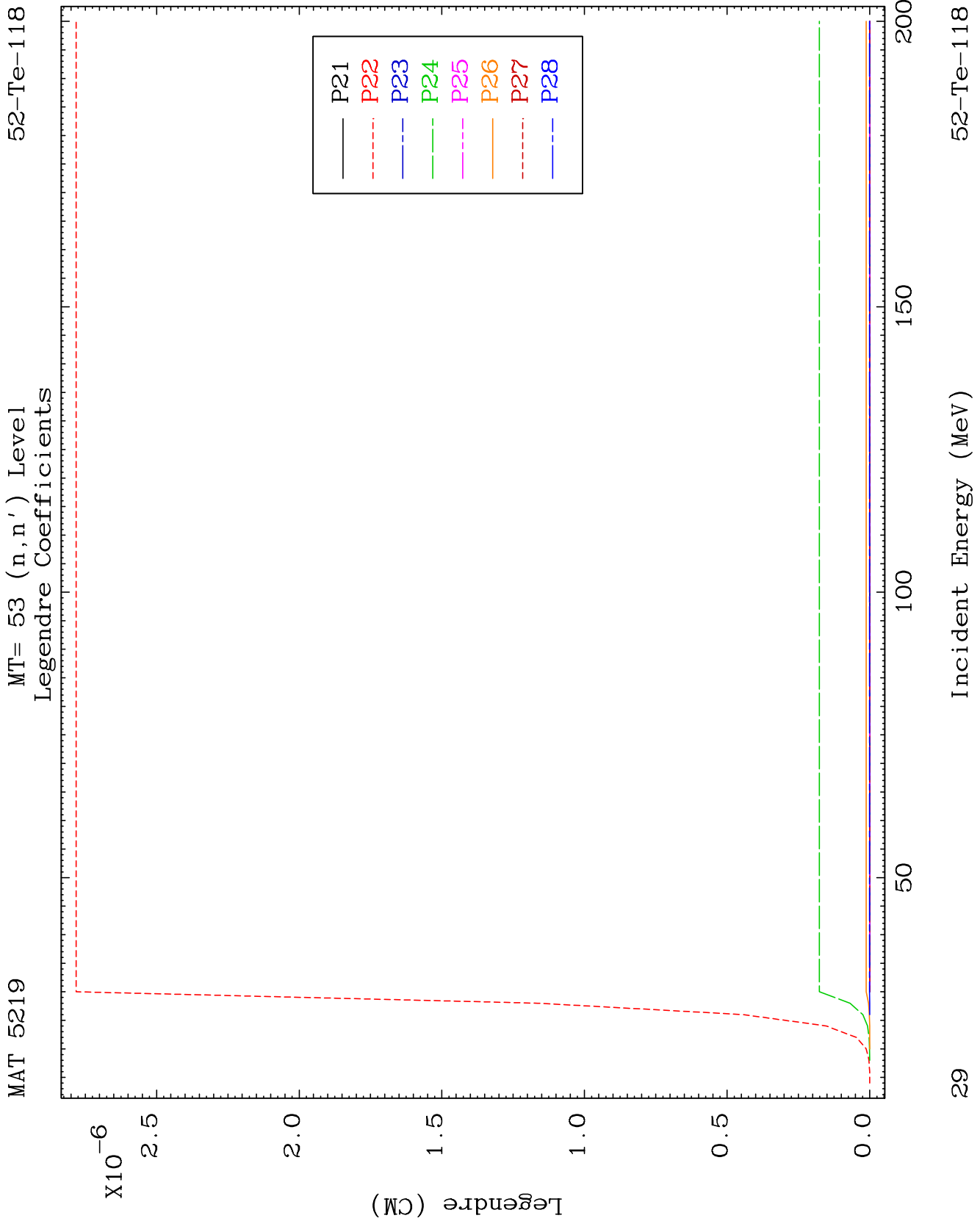
Incident Energy (MeV)

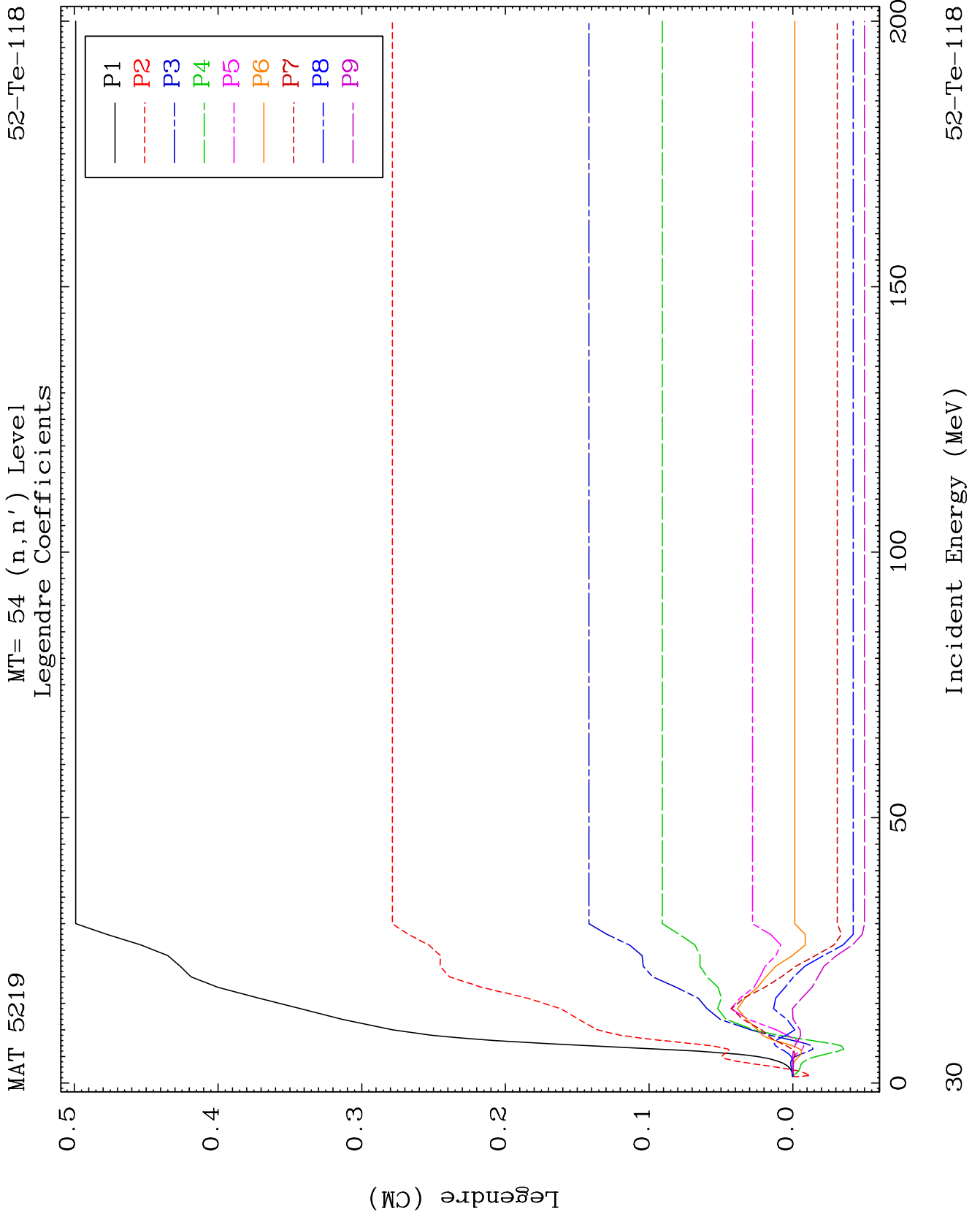
52-Te-118











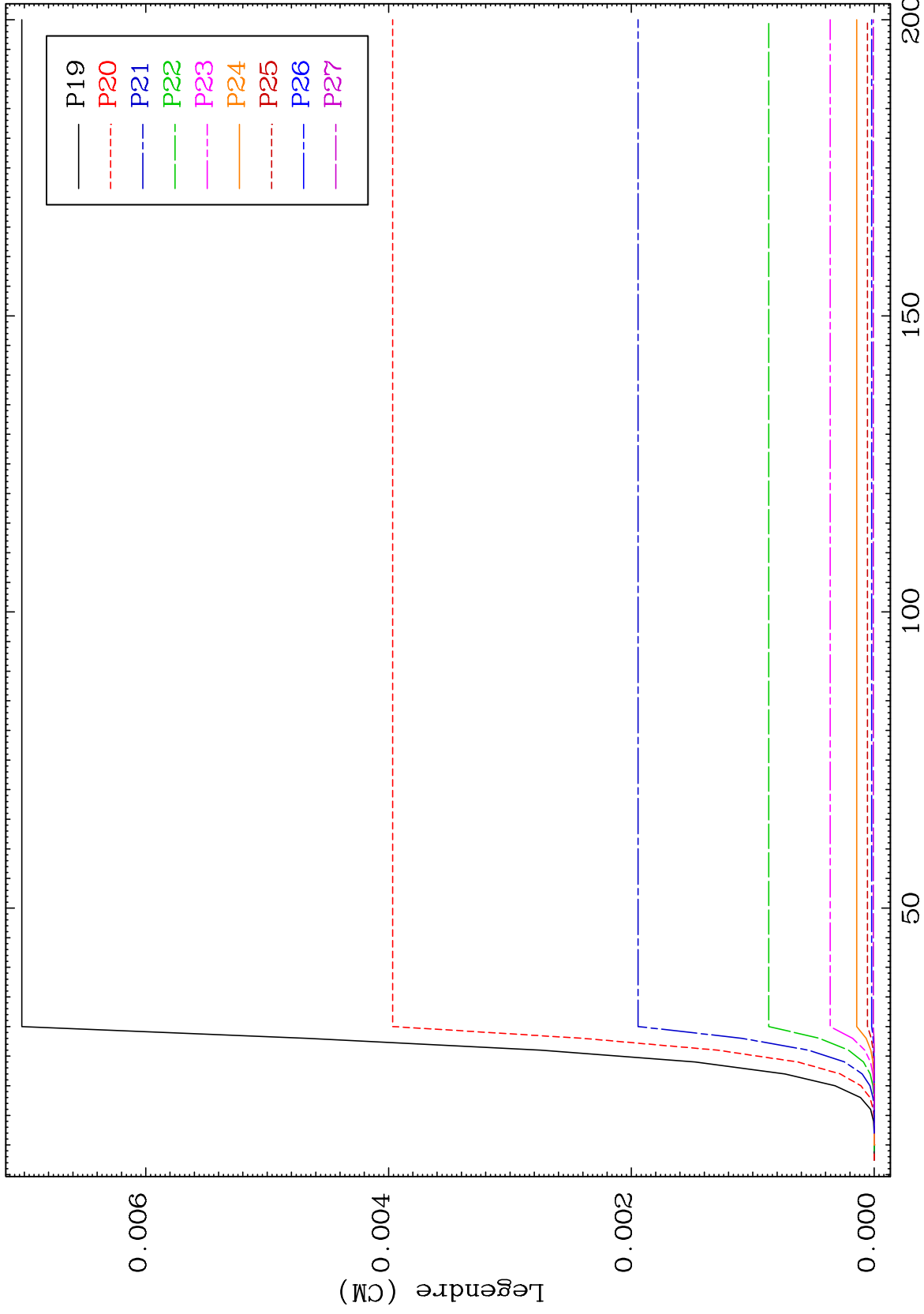




MAT 5219

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

52-Te-118



32

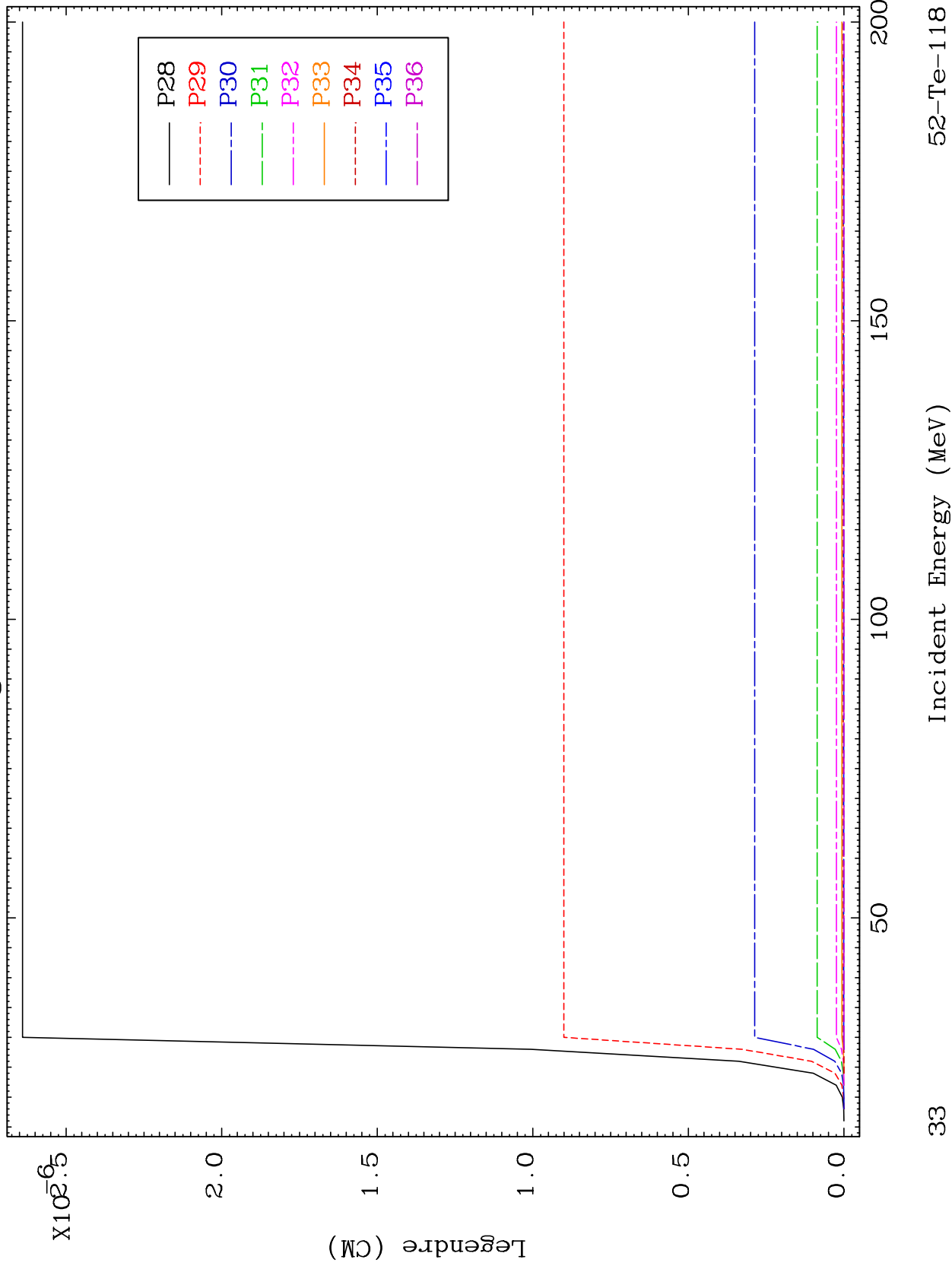
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118



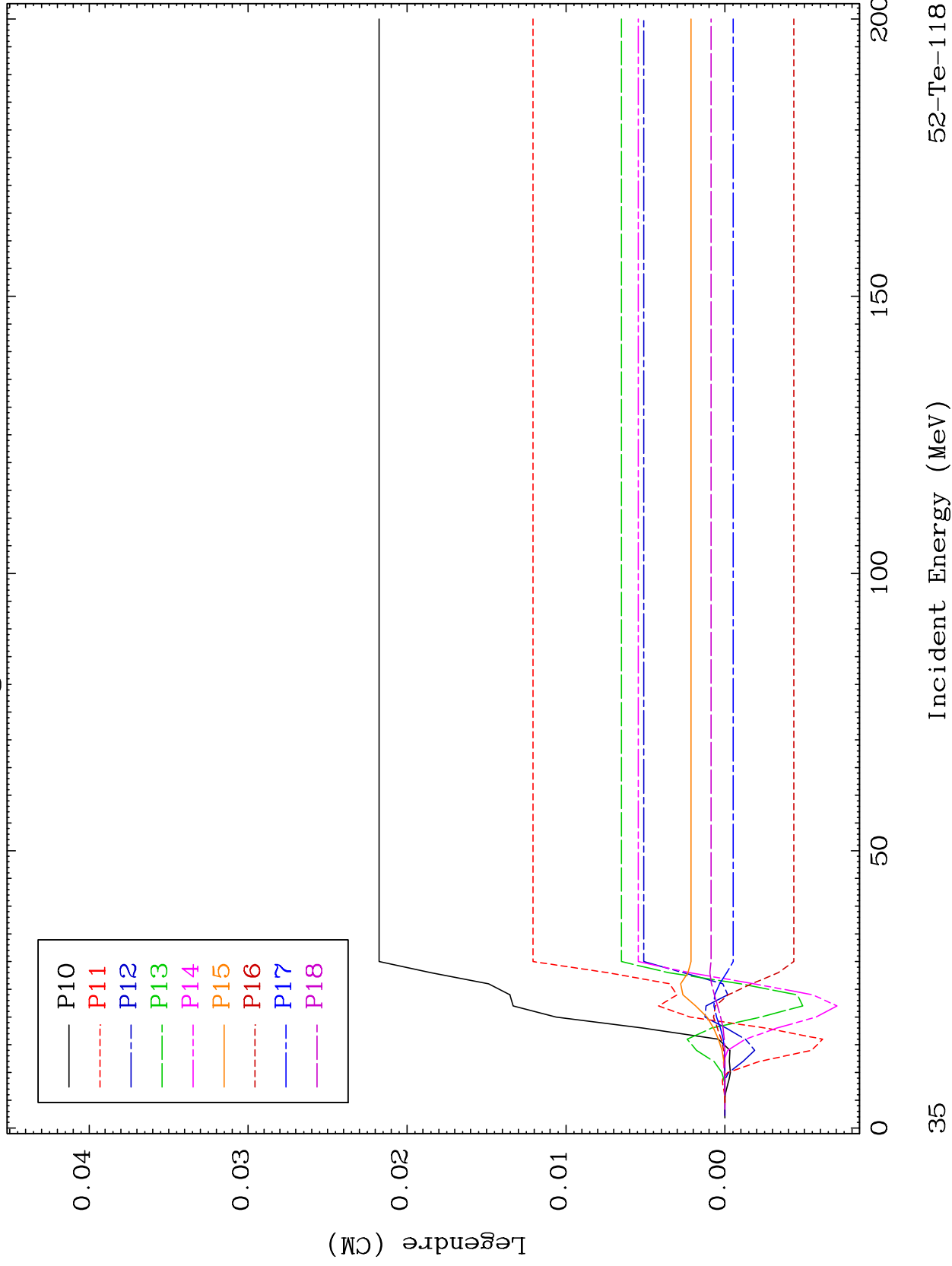
33



MAT 5219

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

52-Te-118



52-Te-118

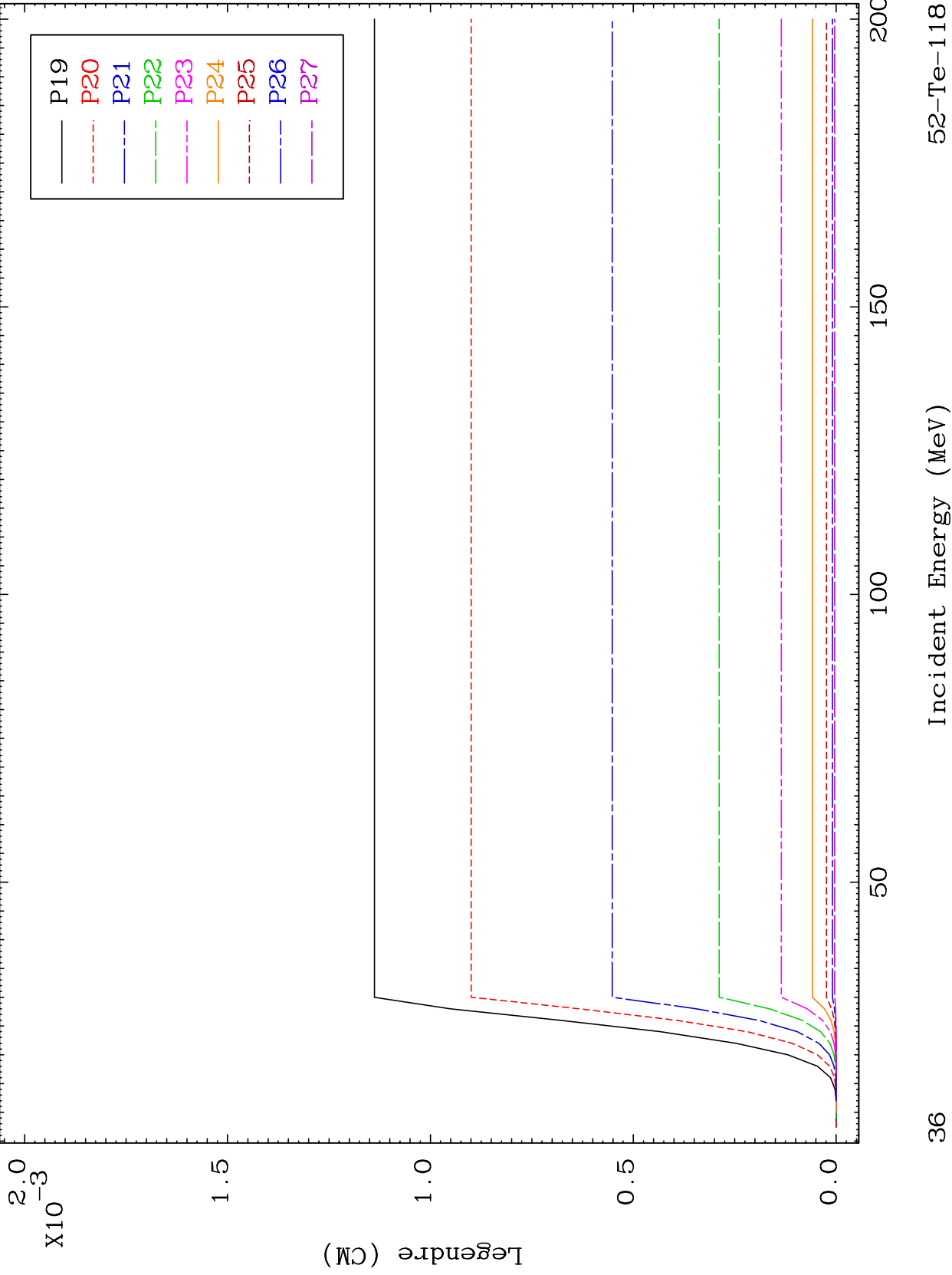
Incident Energy (MeV)

35

MAT 5219

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

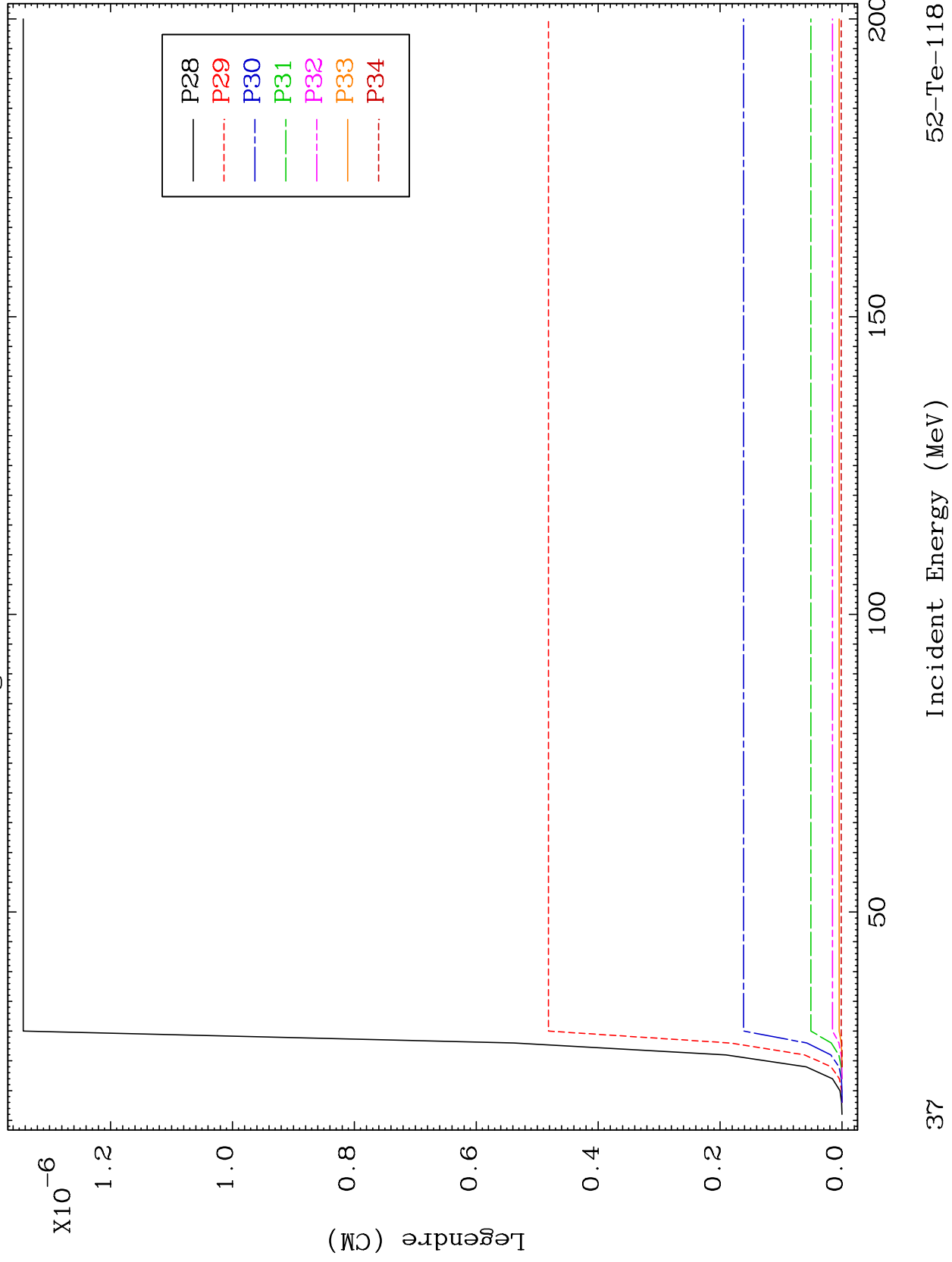
52-Te-118



MAT 5219

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

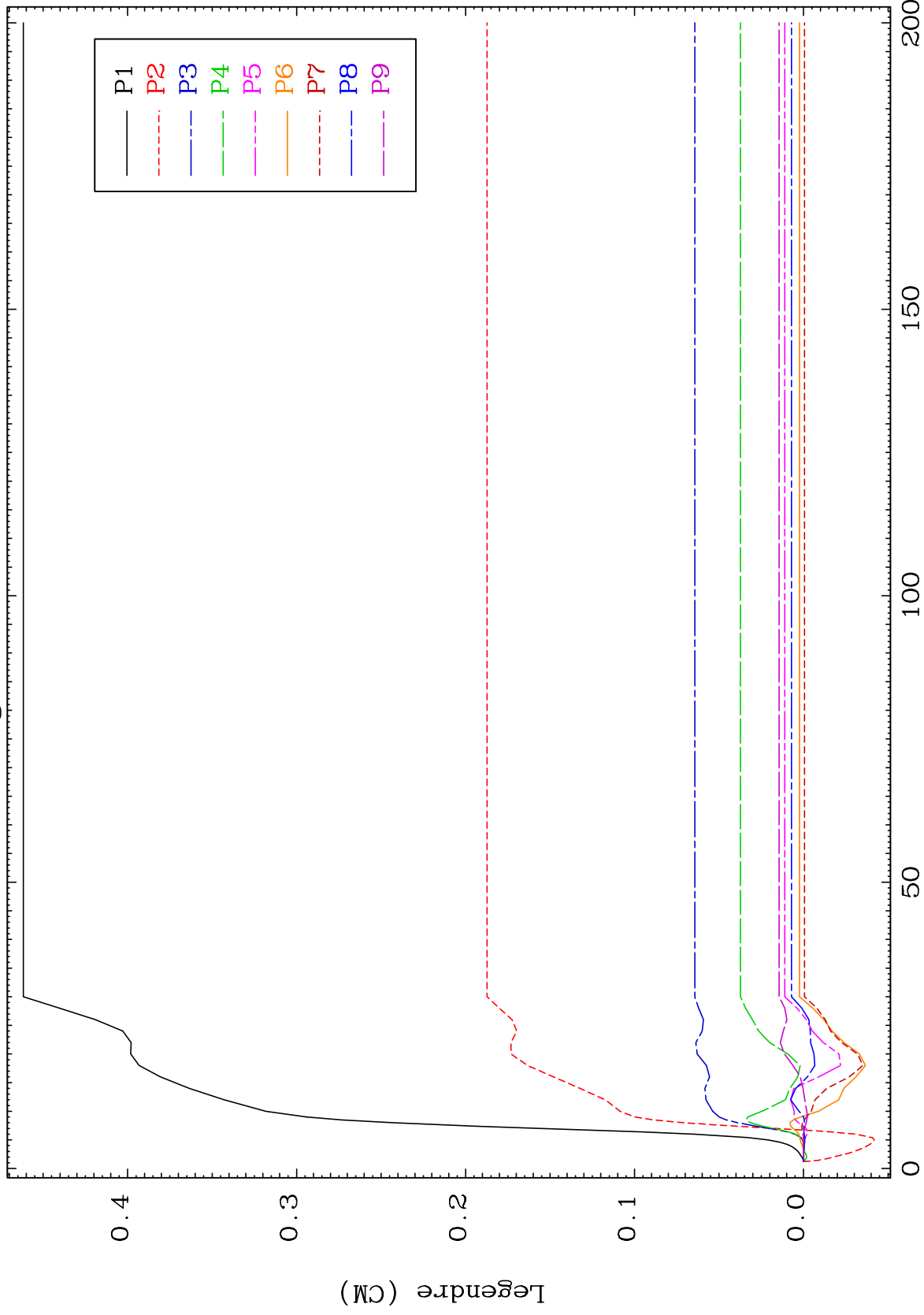
52-Te-118



MAT 5219

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

52-Te-118



38

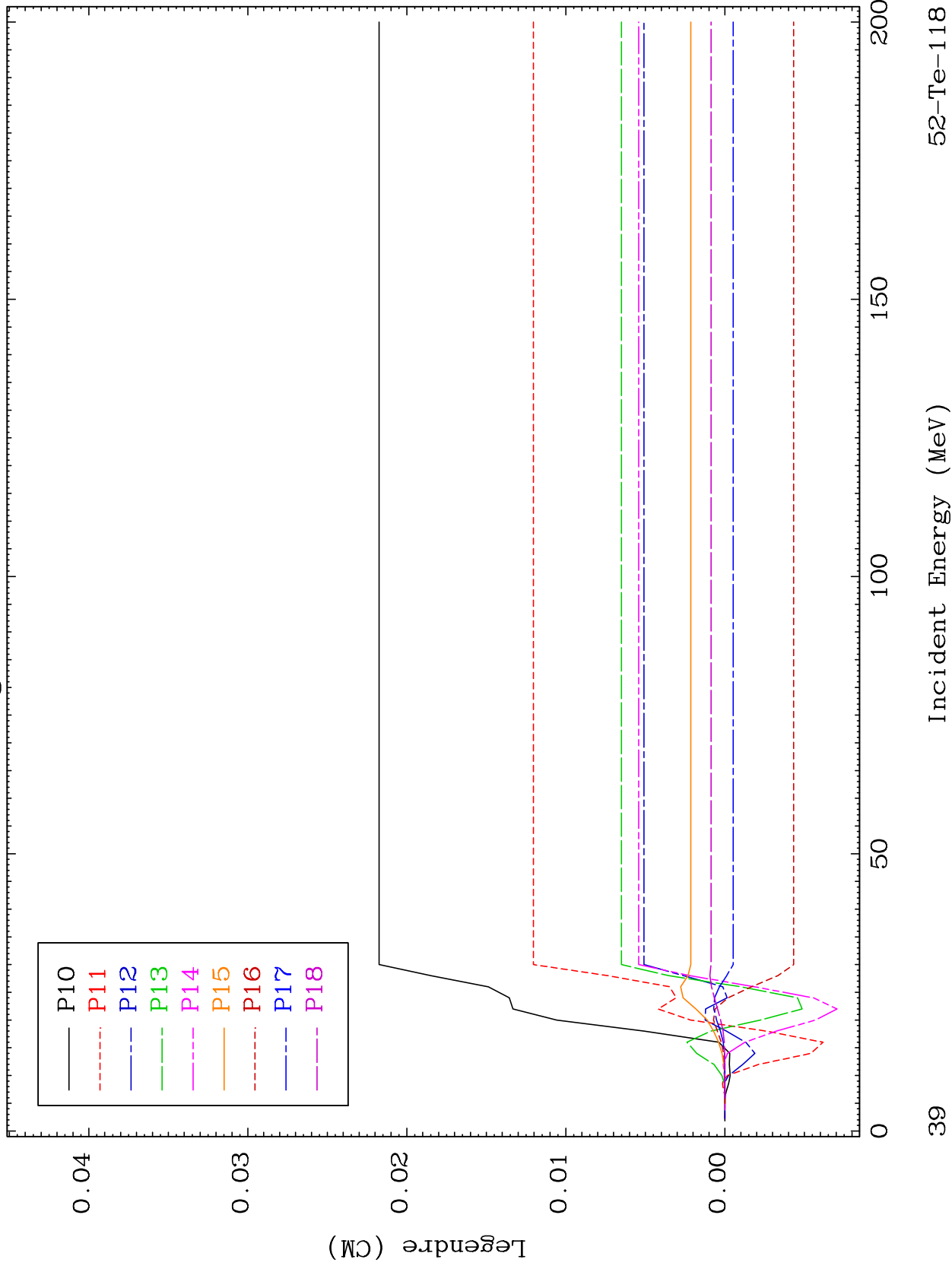
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118



52-Te-118

Incident Energy (MeV)

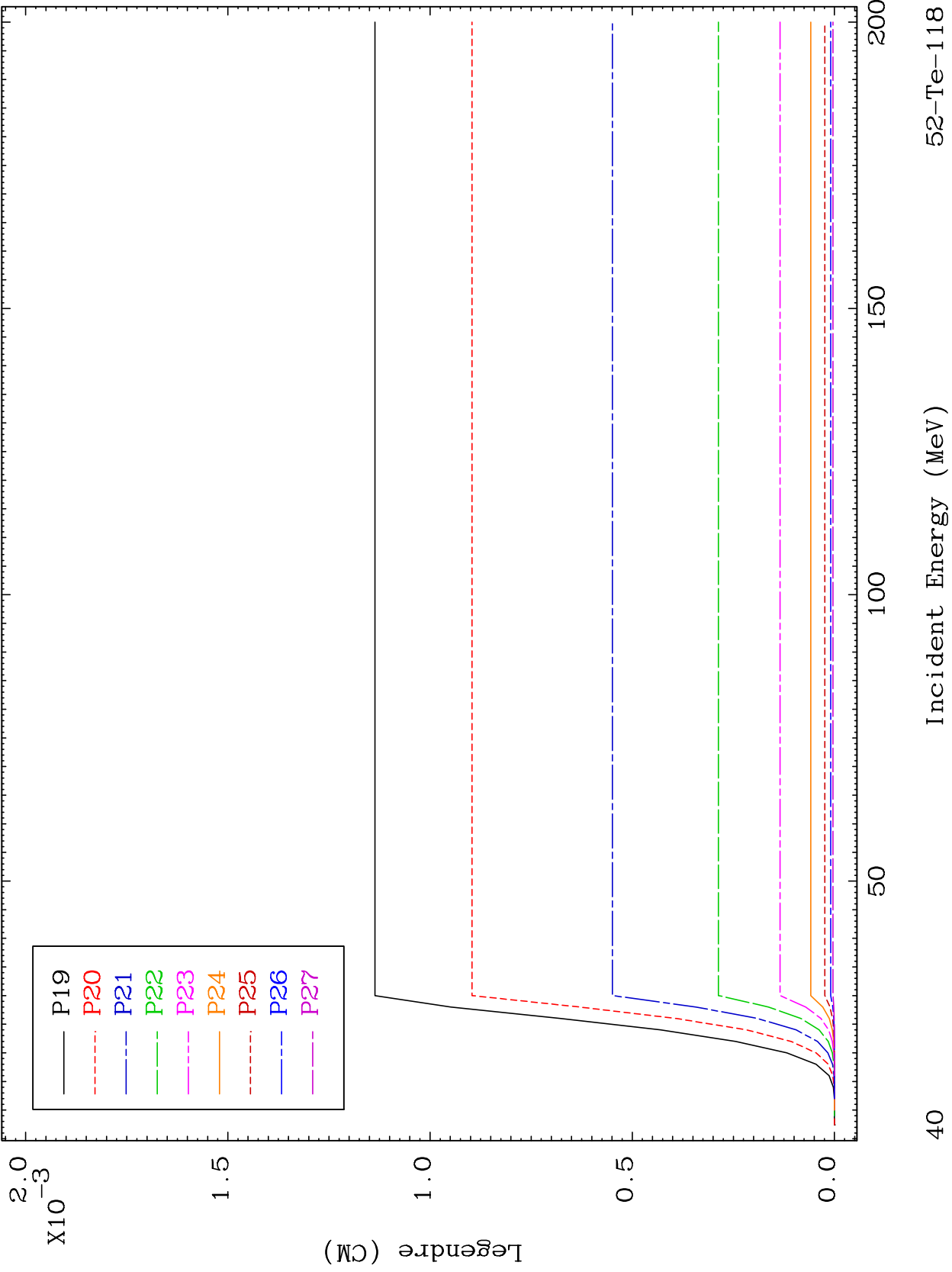
39



MAT 5219

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

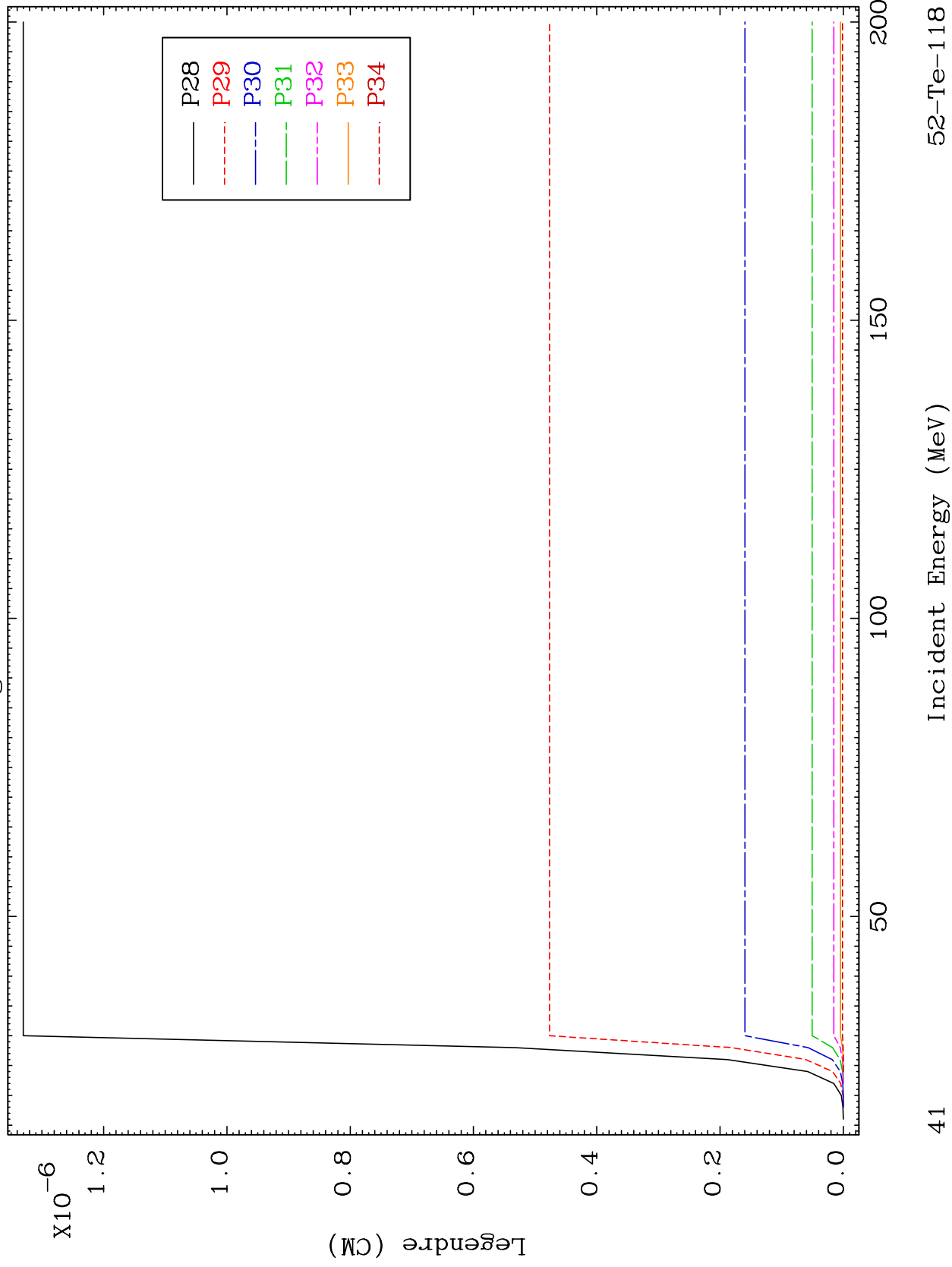
52-Te-118



MAT 5219

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

52-Te-118



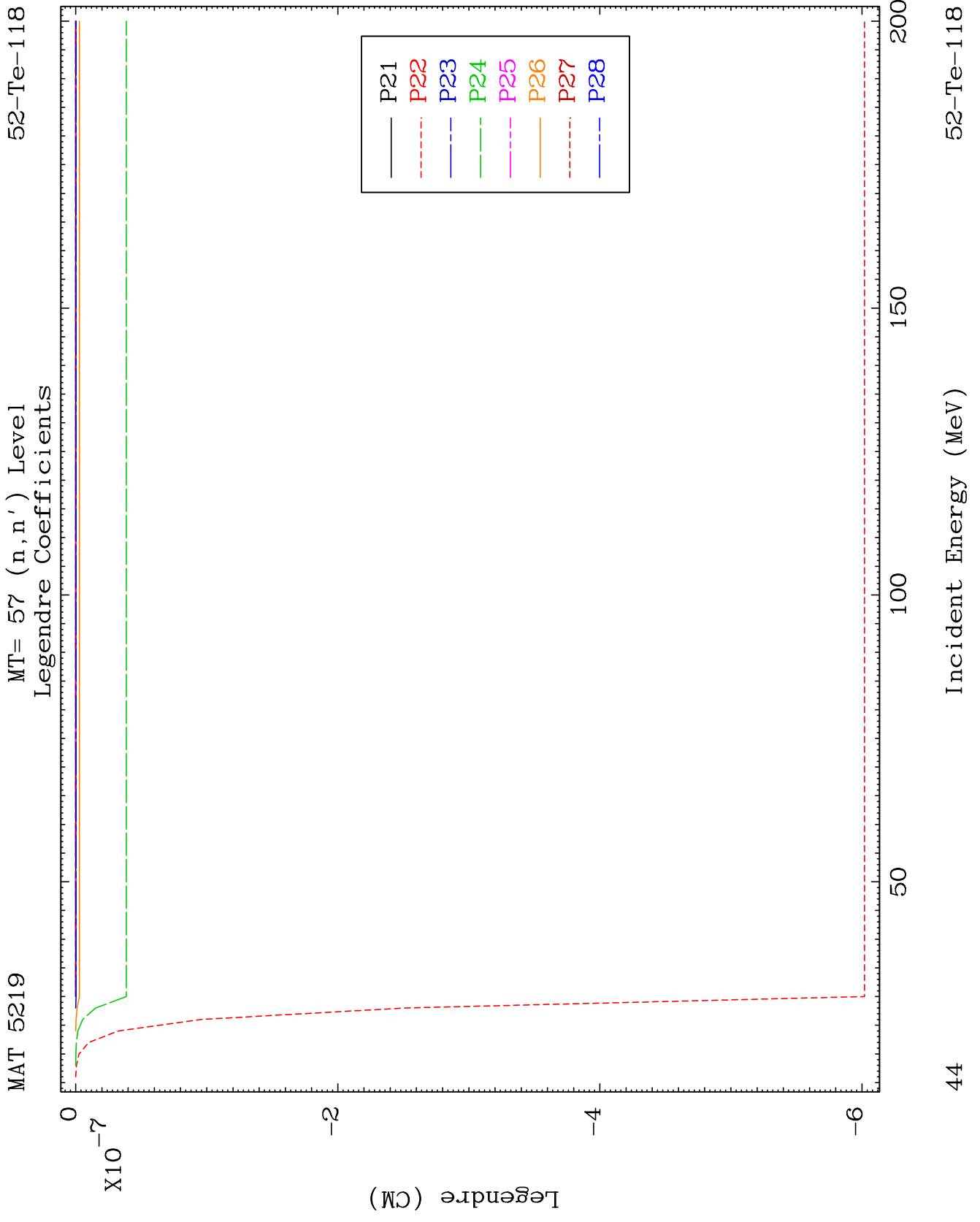
41

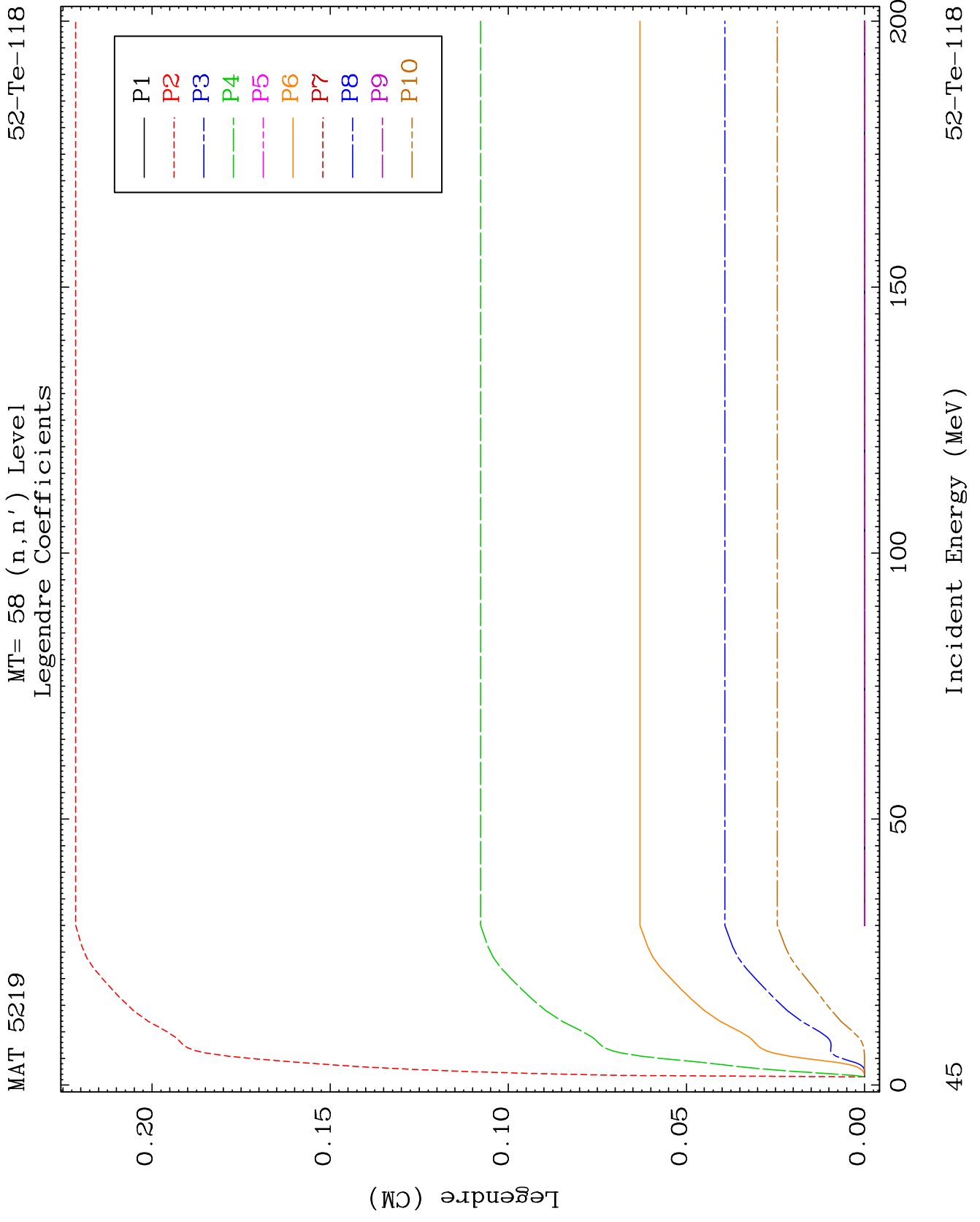
Incident Energy (MeV)

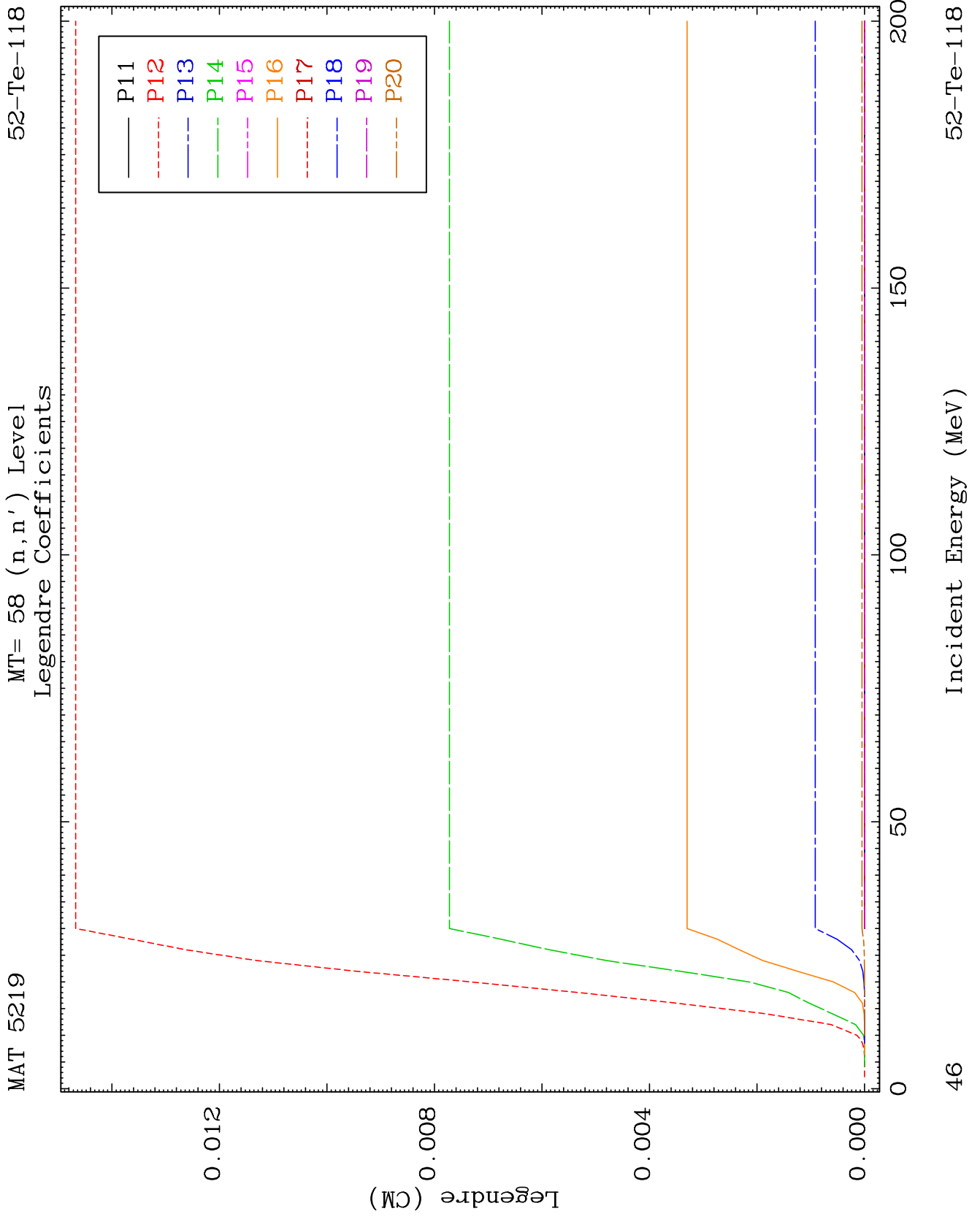
52-Te-118

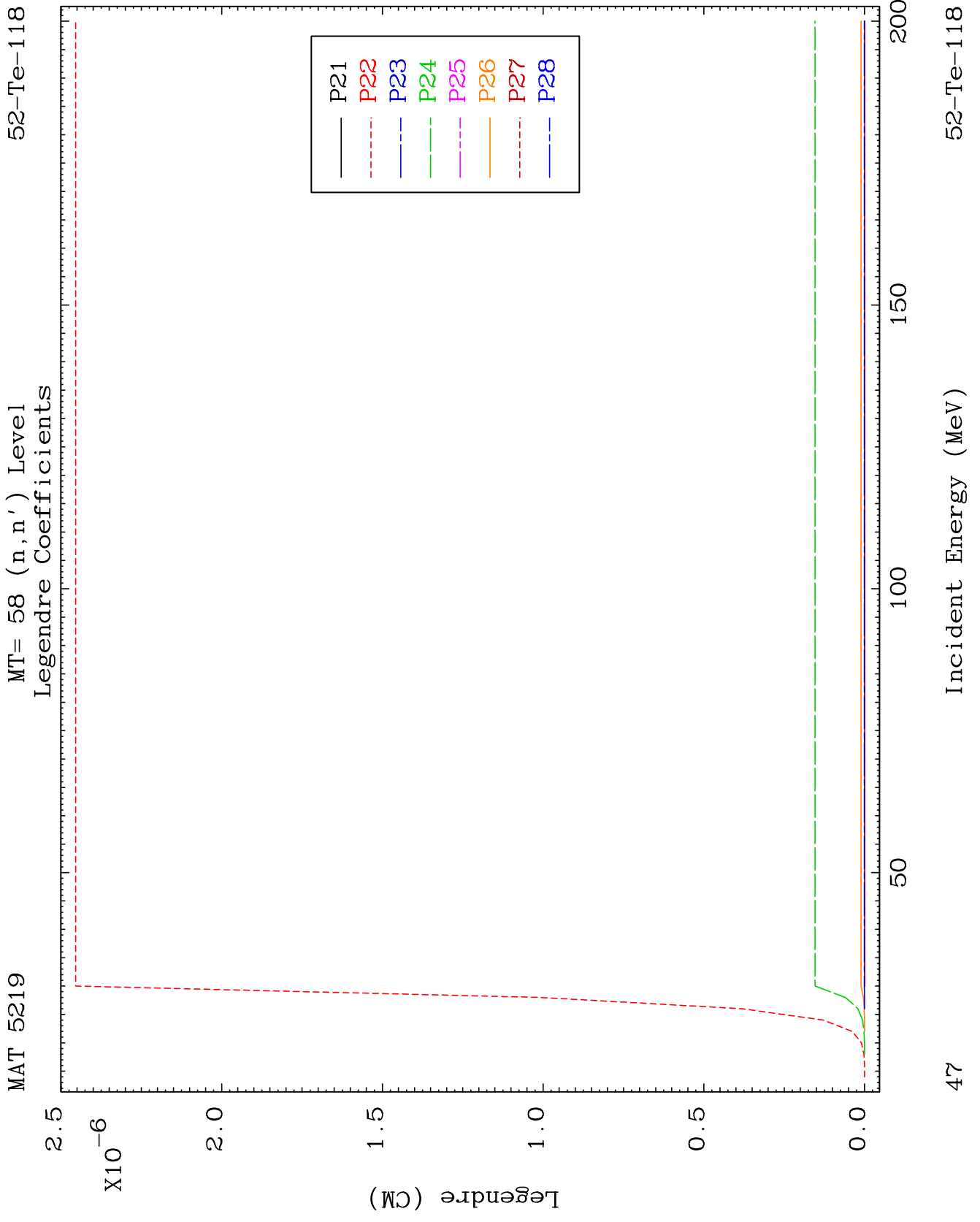










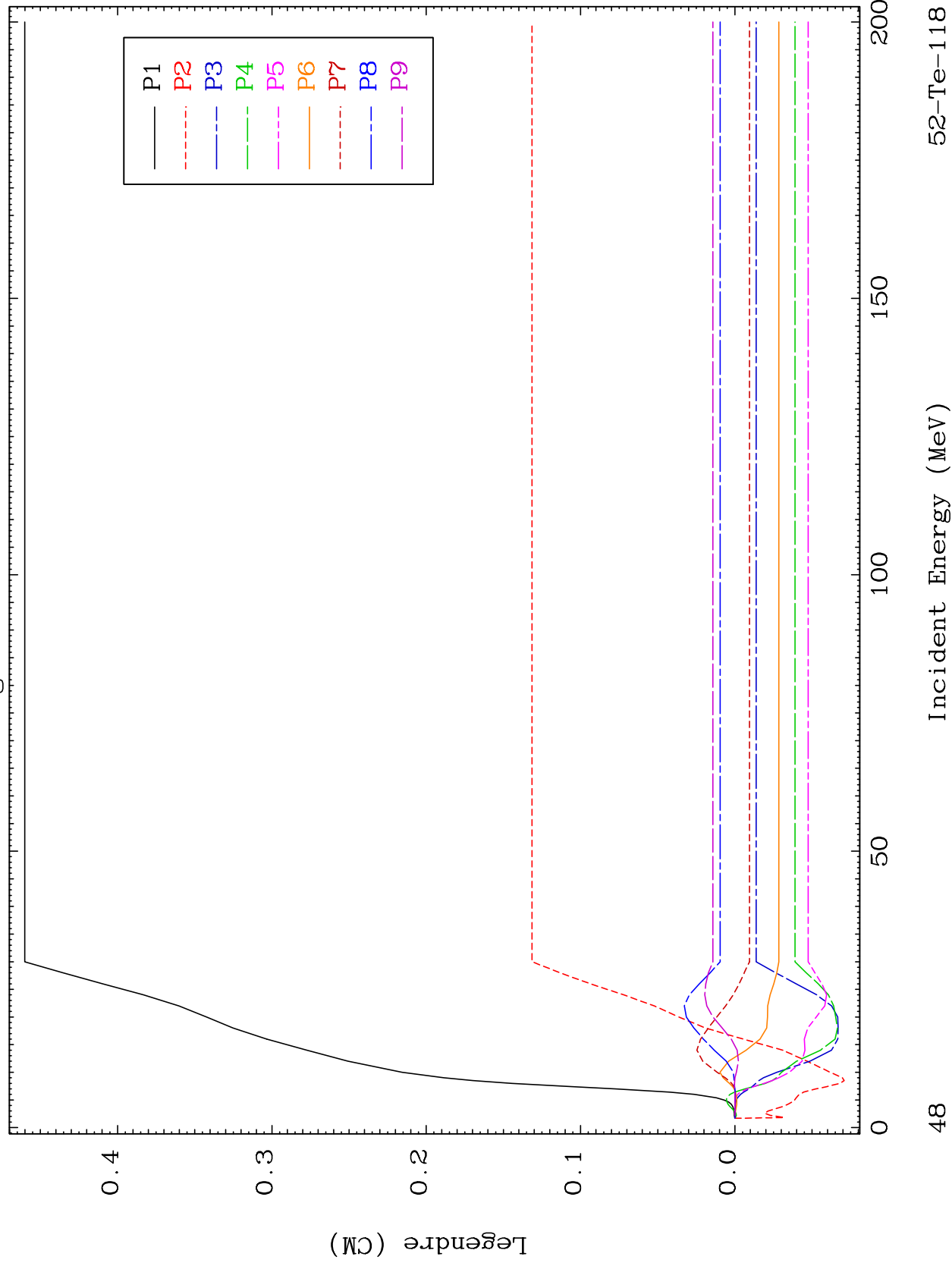




MAT 5219

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

52-Te-118



52-Te-118

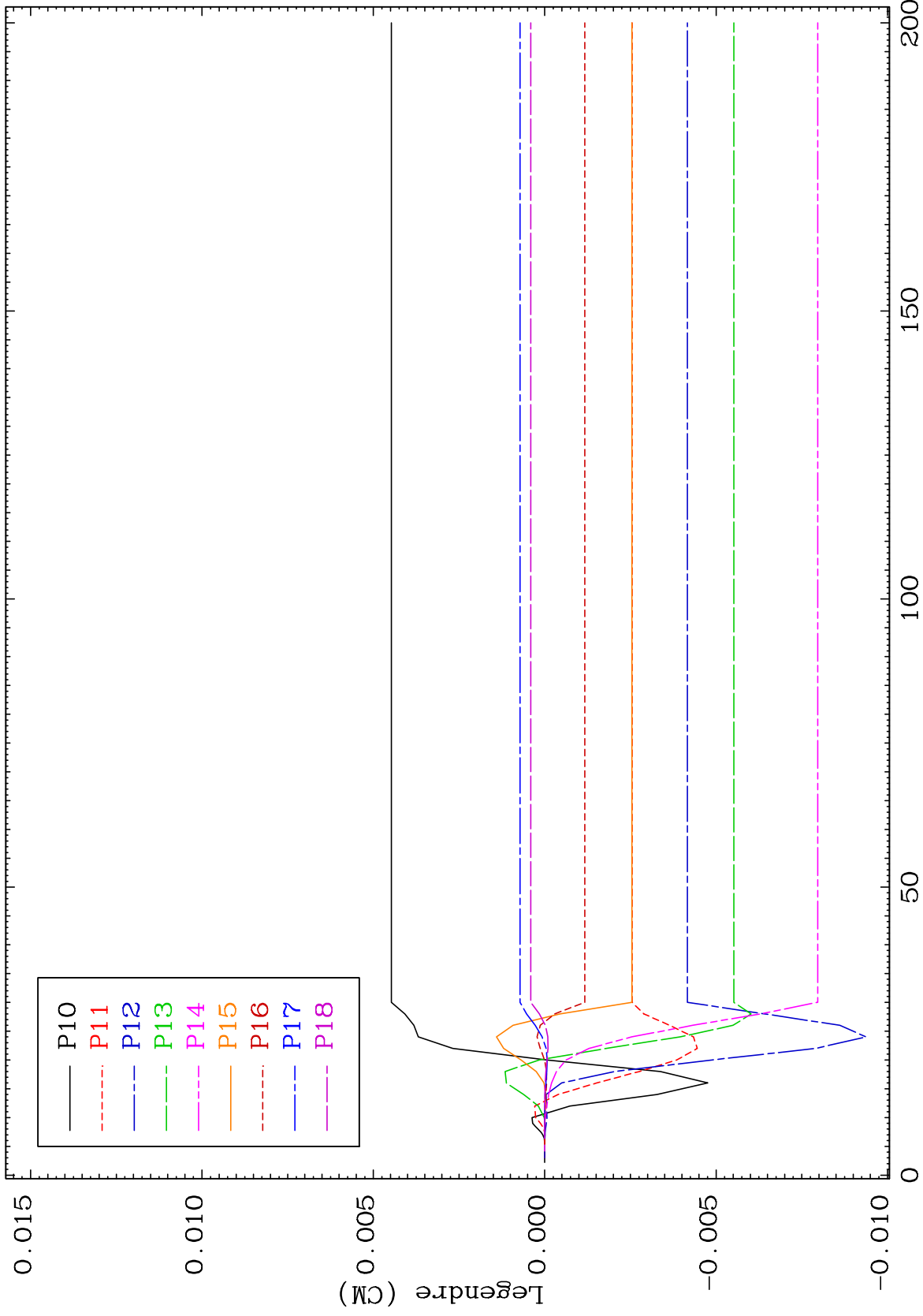
Incident Energy (MeV)

48

MAT 5219

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

52-Te-118



49

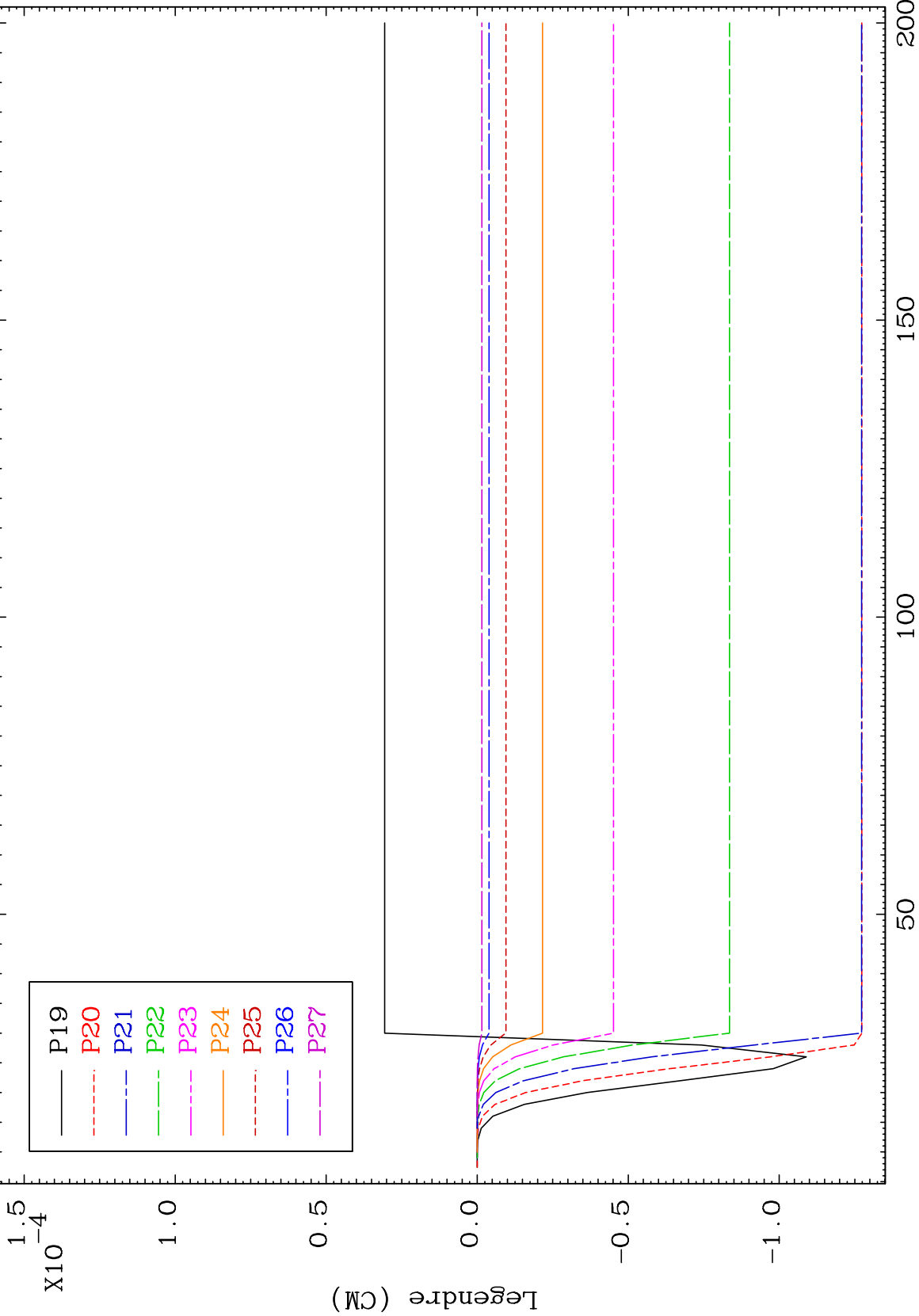
Incident Energy (MeV)

52-Te-118

MAT 5219

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

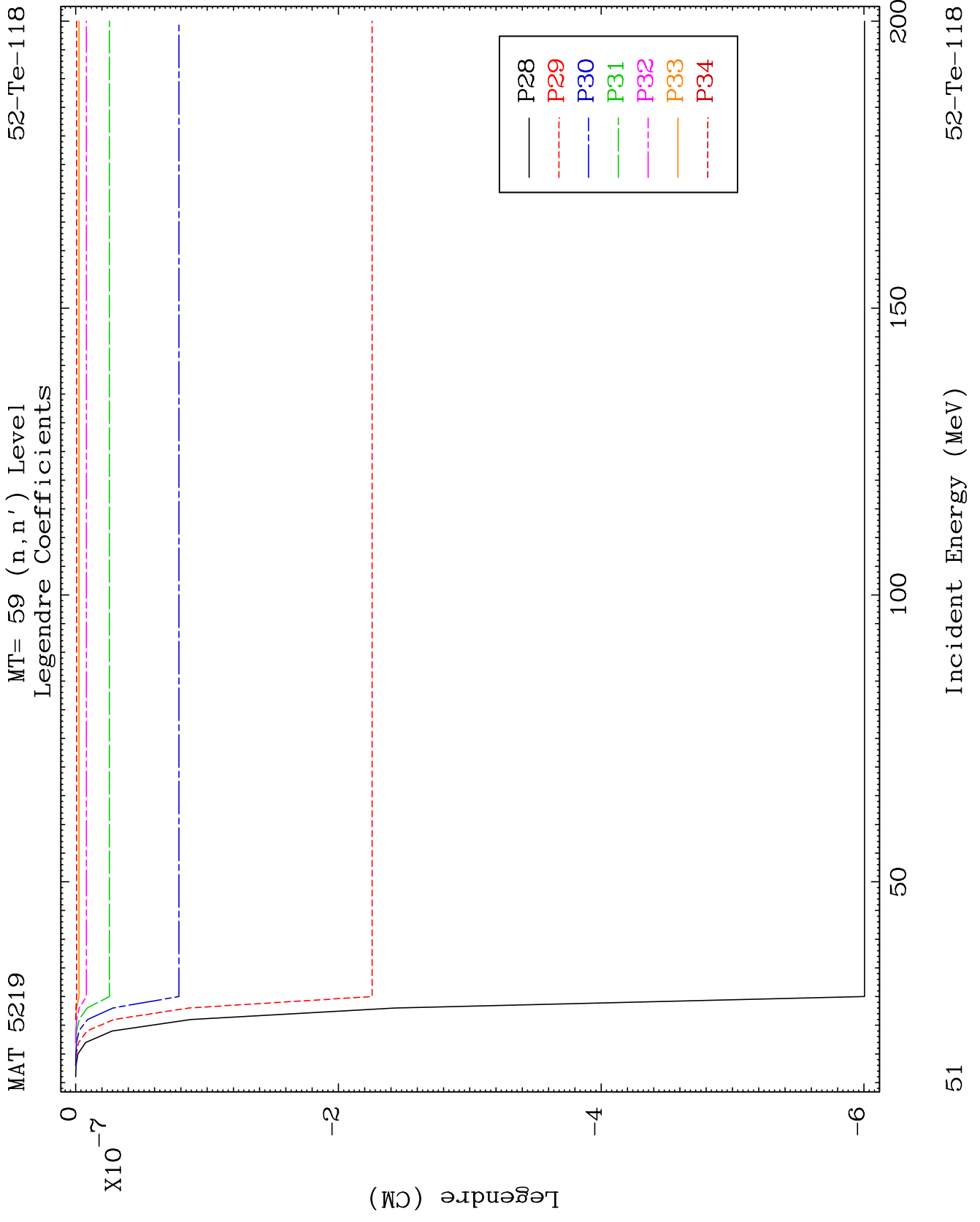
52-Te-118

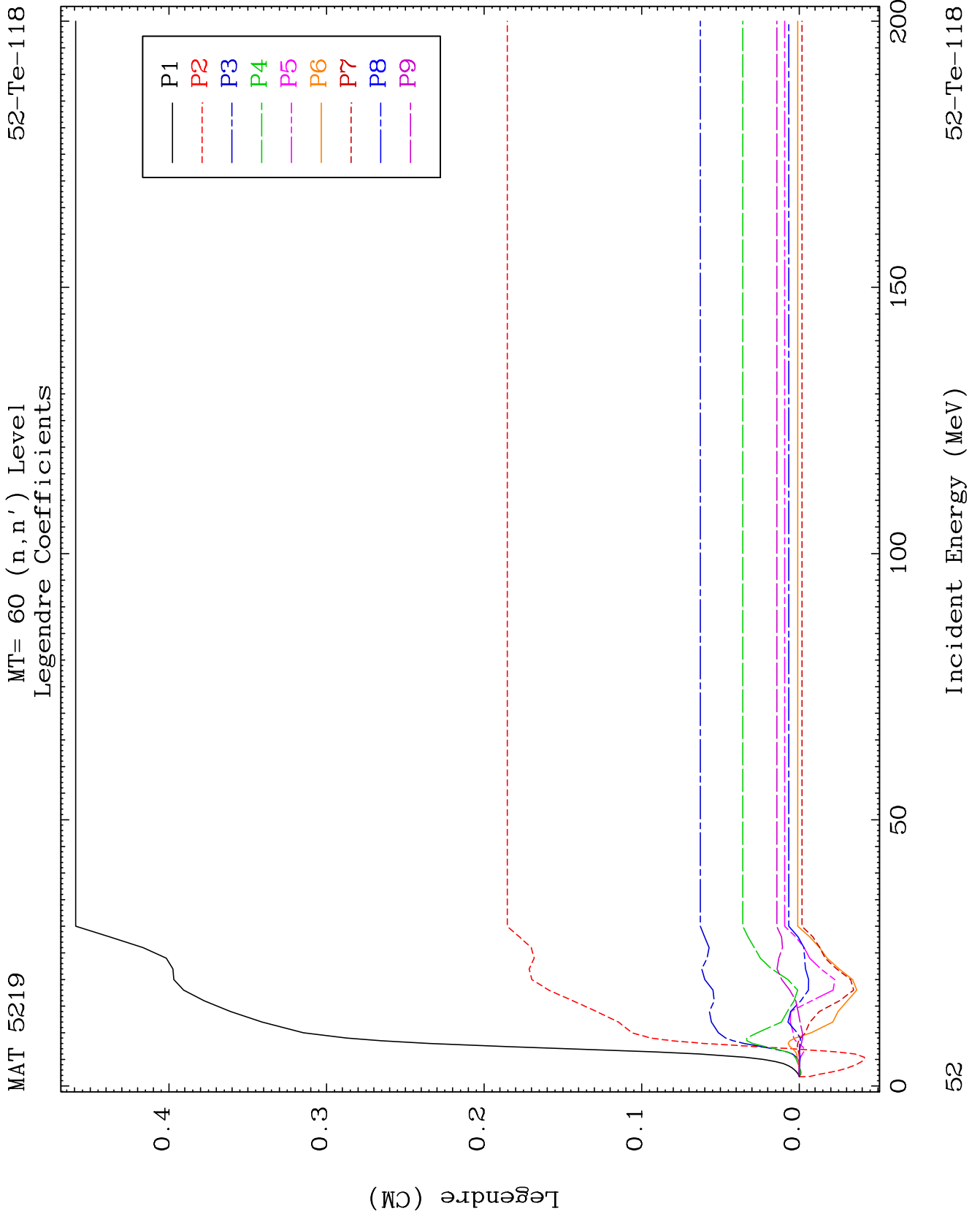


50

Incident Energy (MeV)

52-Te-118

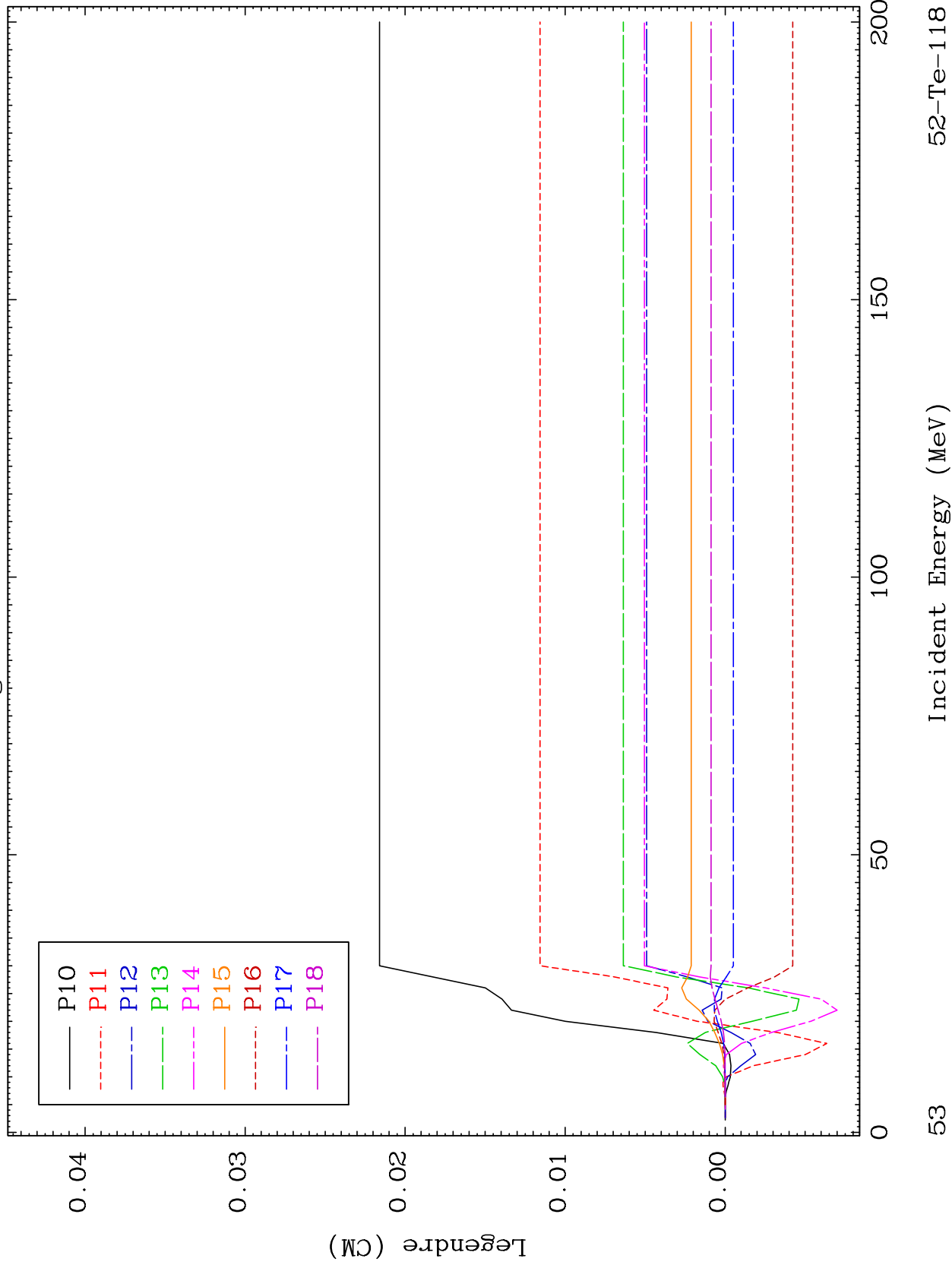




MAT 5219

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

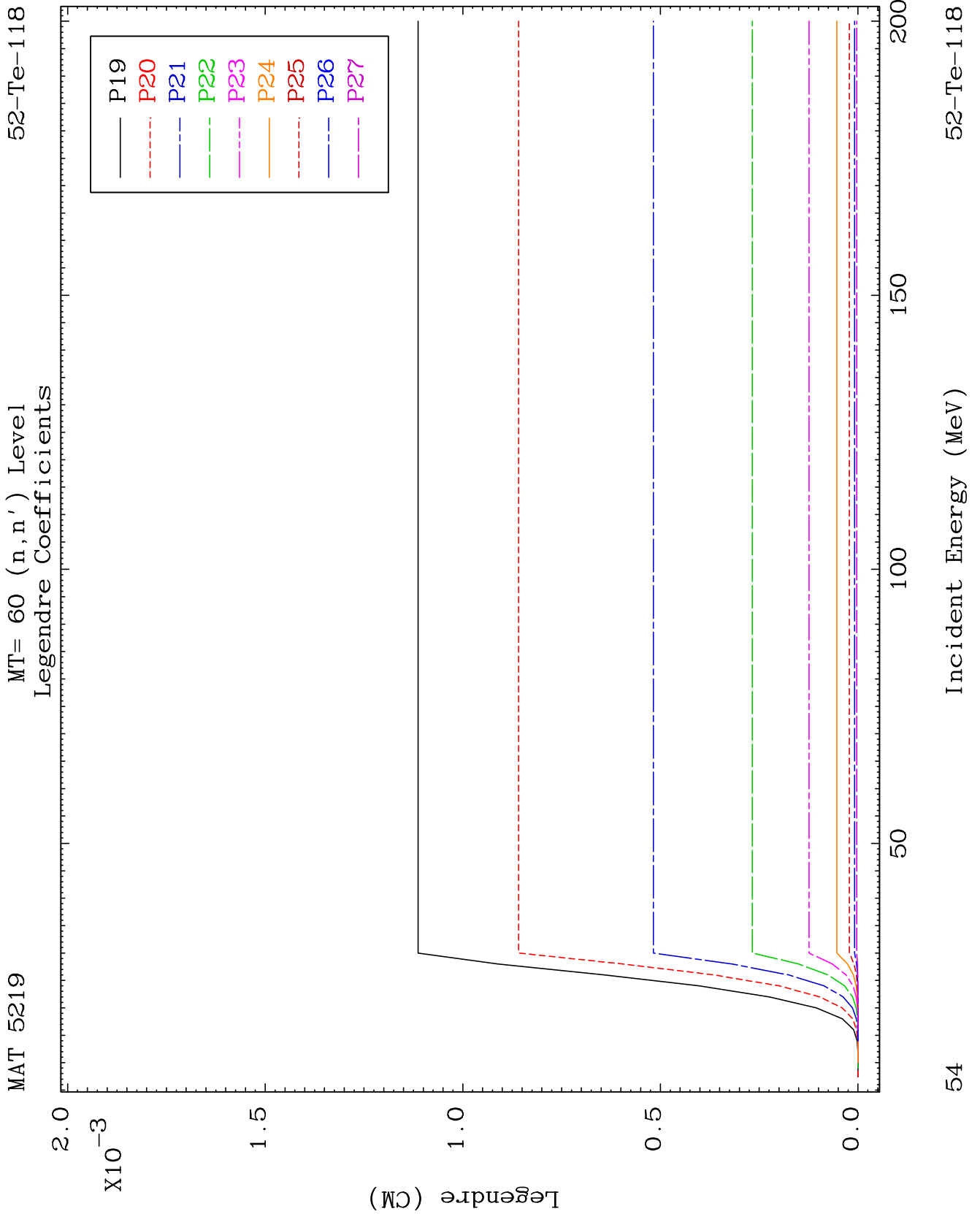
52-Te-118

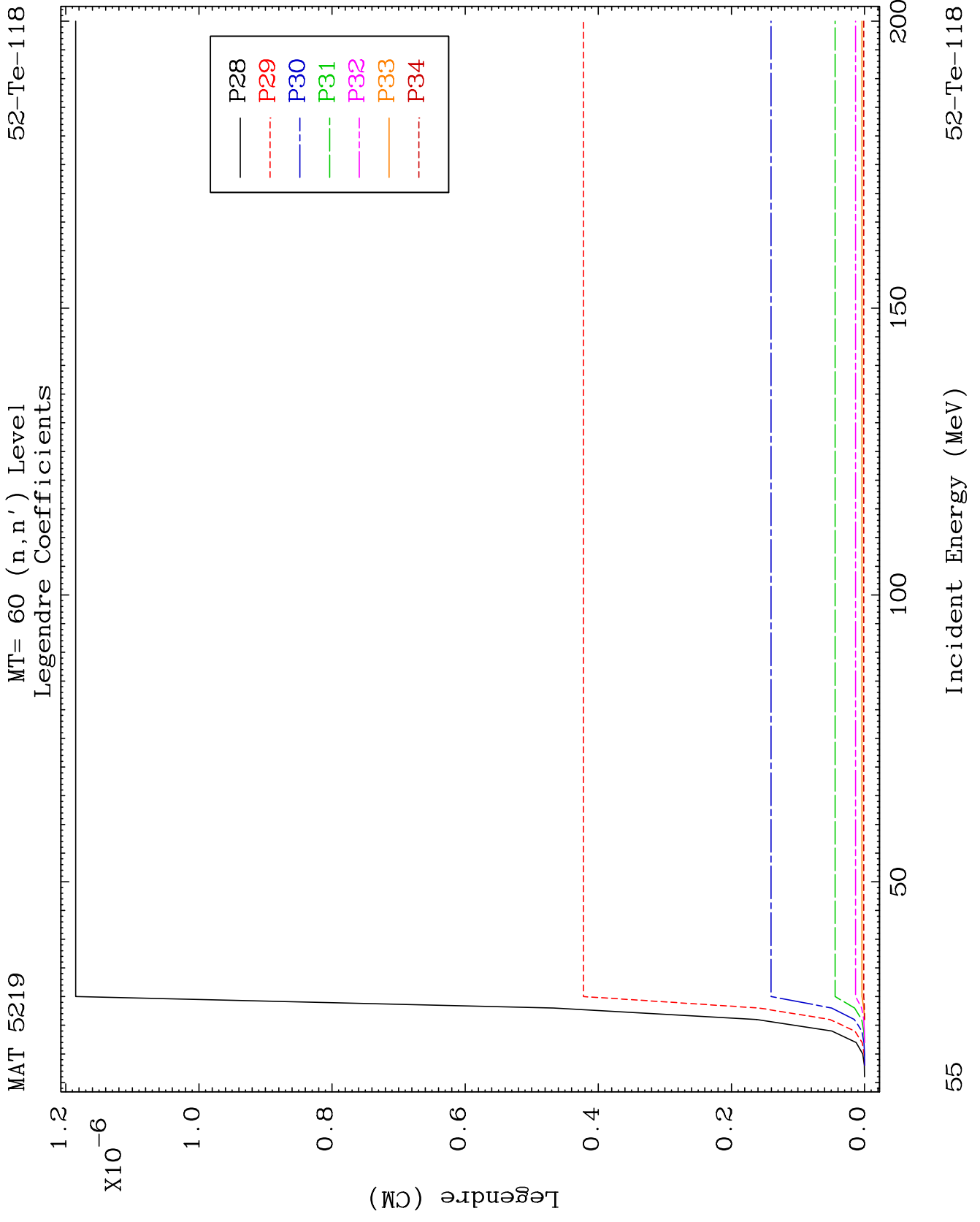


53

Incident Energy (MeV)

52-Te-118



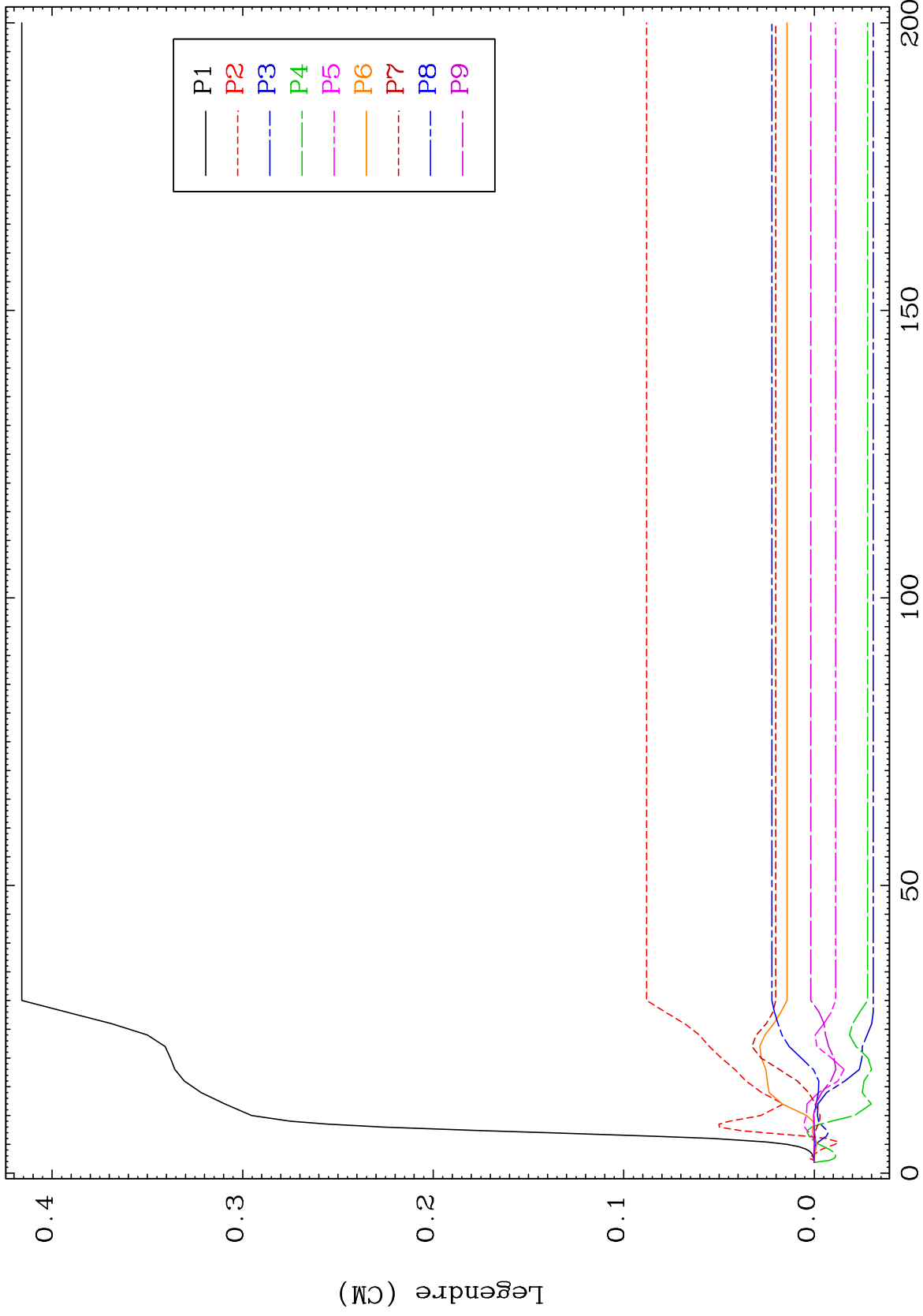




MAT 5219

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

52-Te-118



56

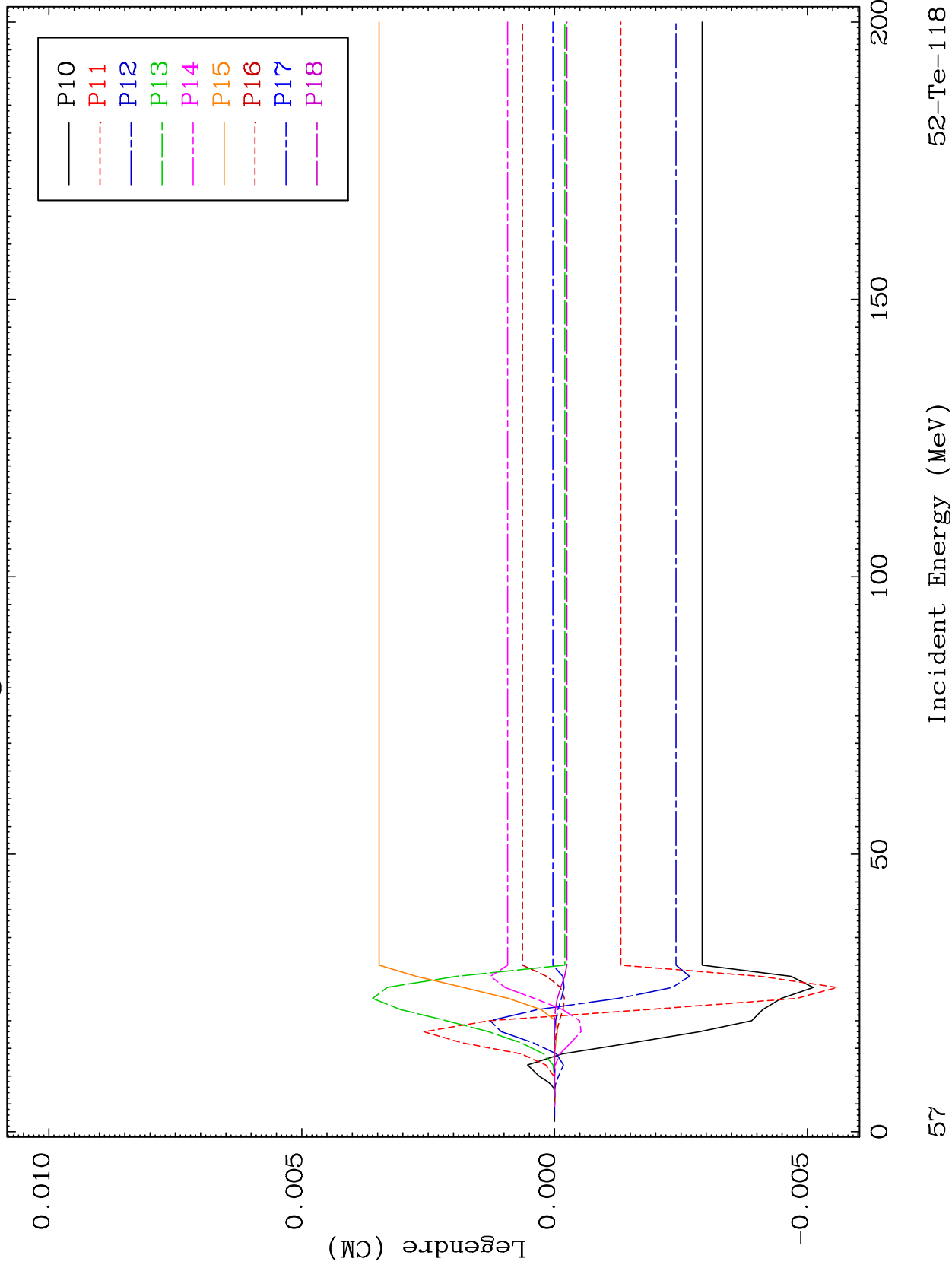
Incident Energy (MeV)

52-Te-118

MAT 5219

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

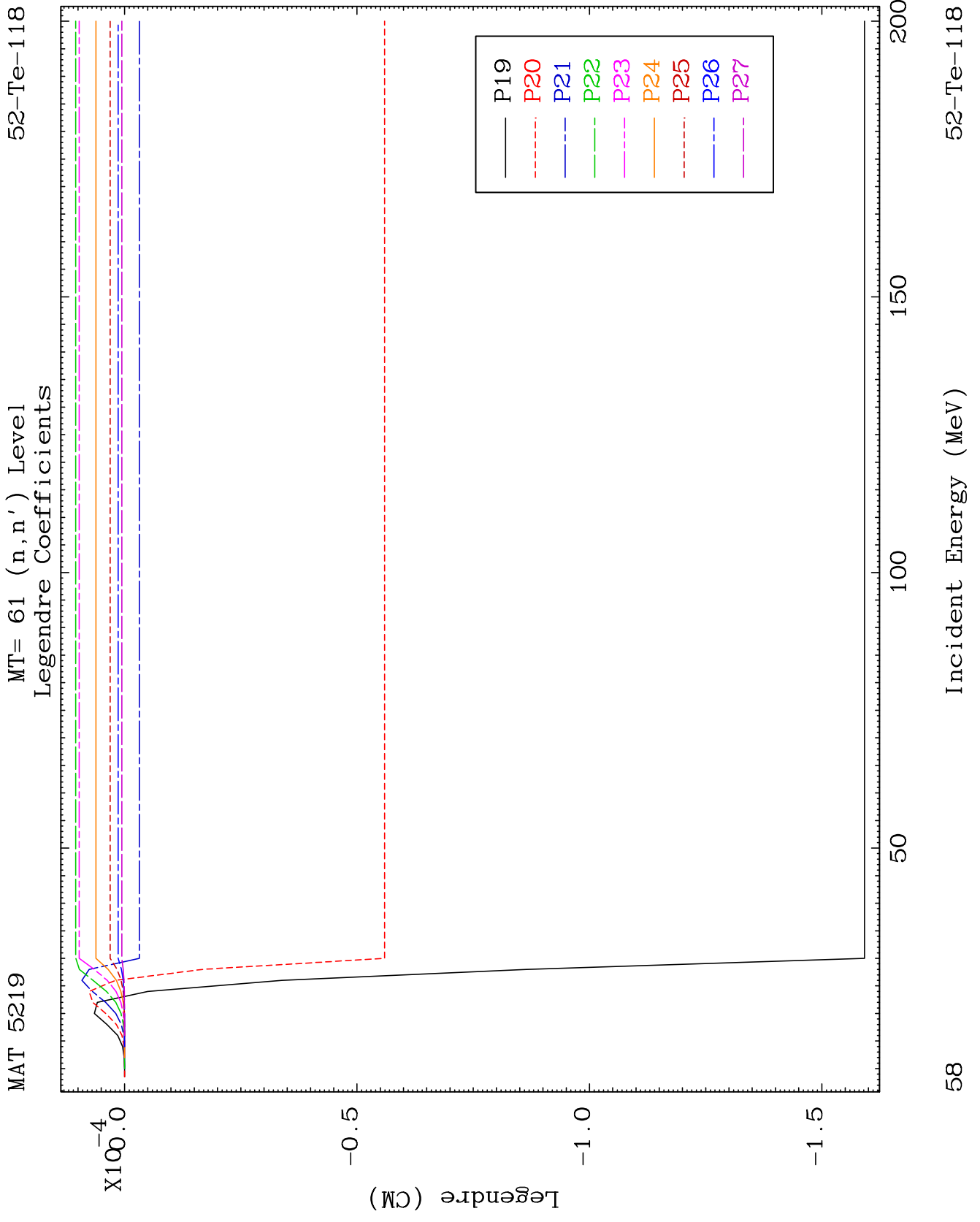
52-Te-118



57

Incident Energy (MeV)

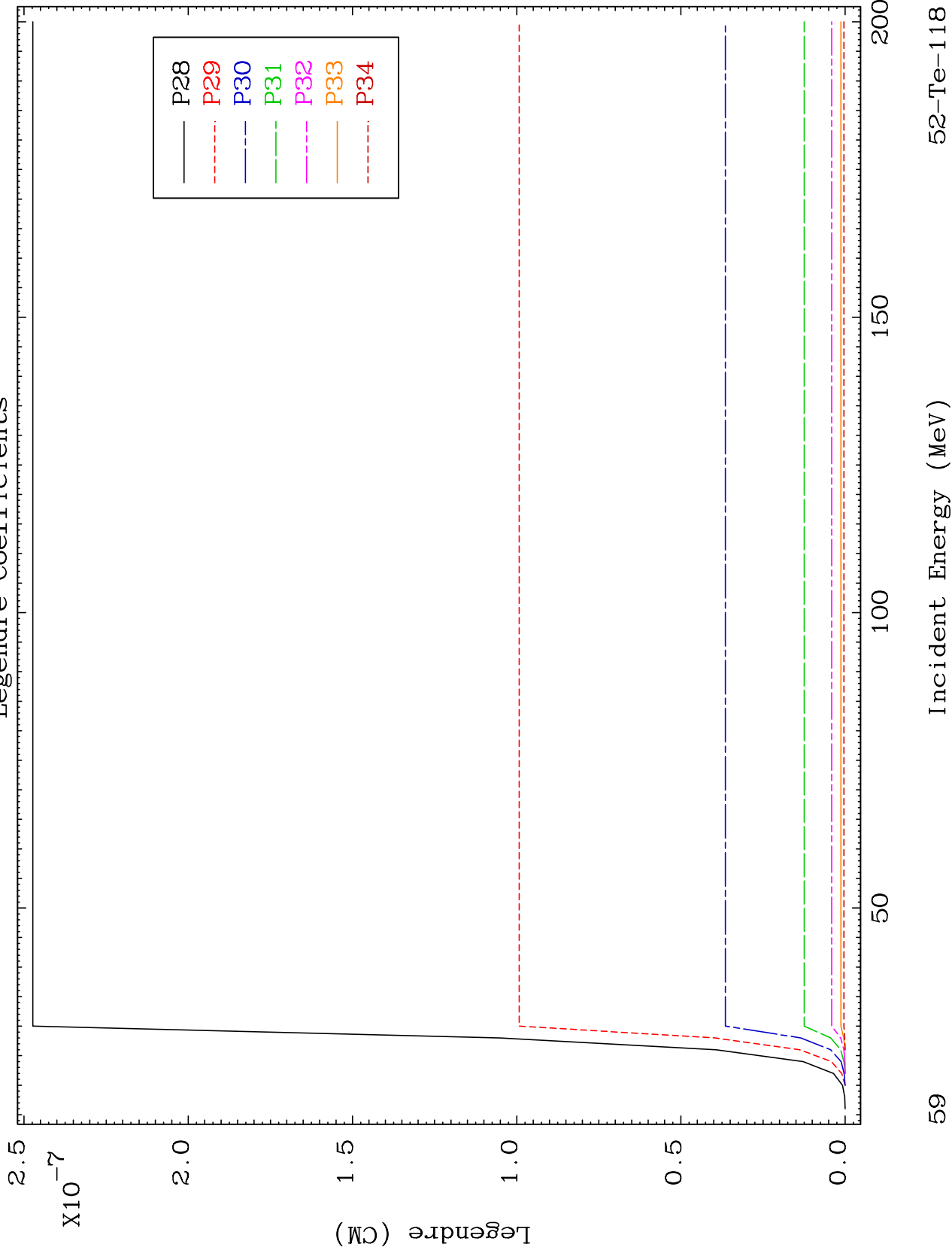
52-Te-118



MAT 5219

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

52-Te-118



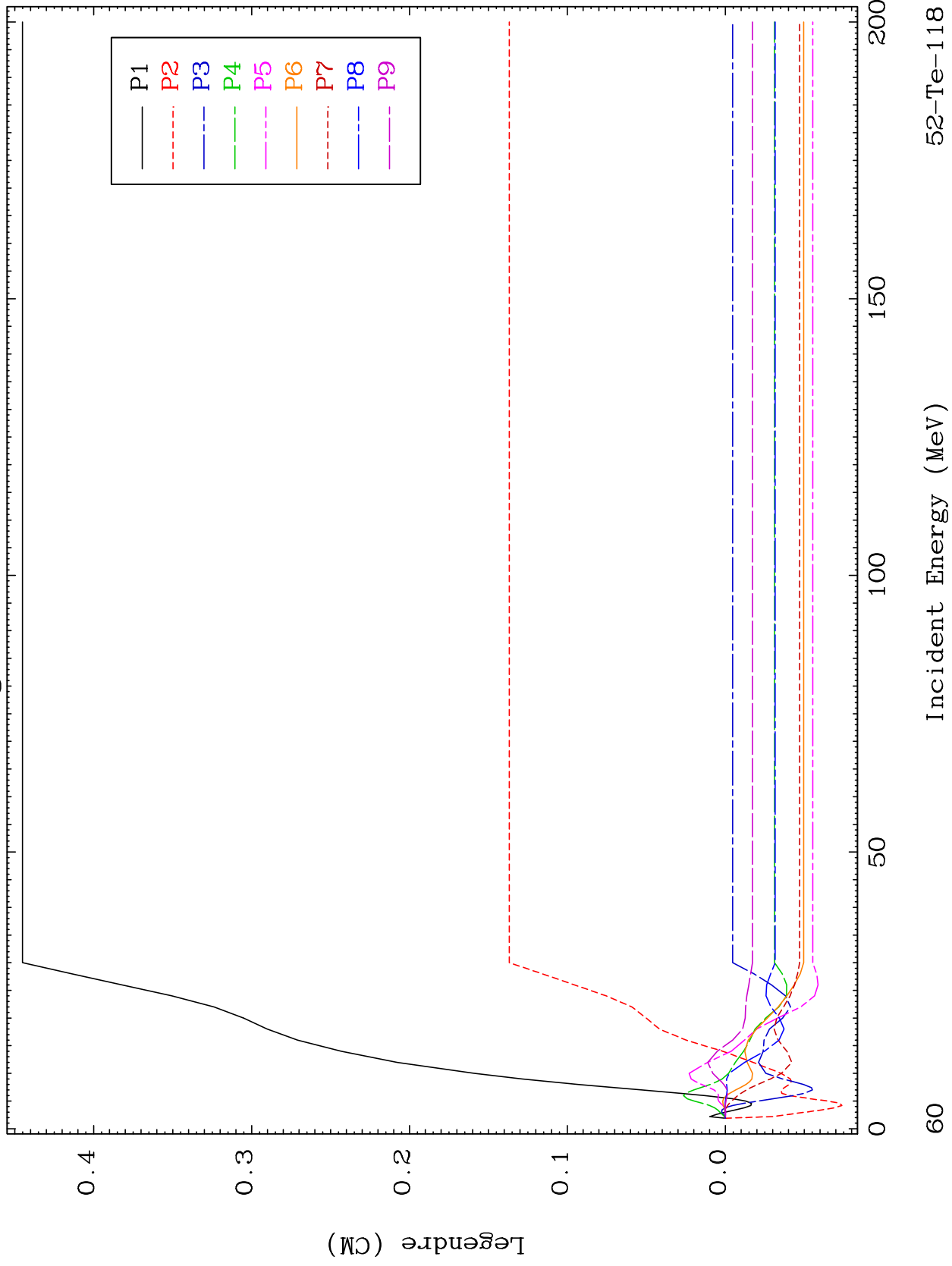
59

52-Te-118

MAT 5219

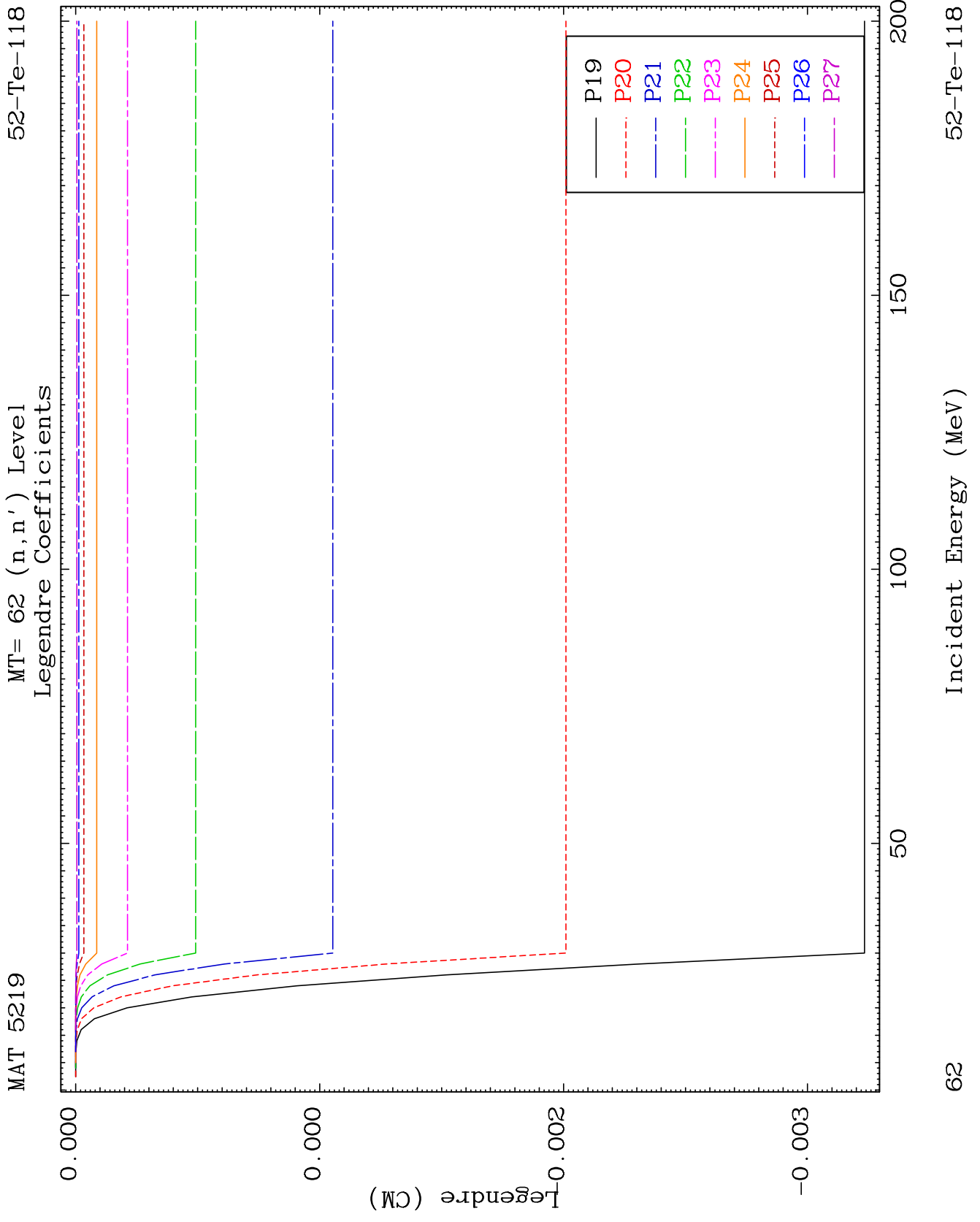
MT= 62 (n,n') Level  
Legendre Coefficients

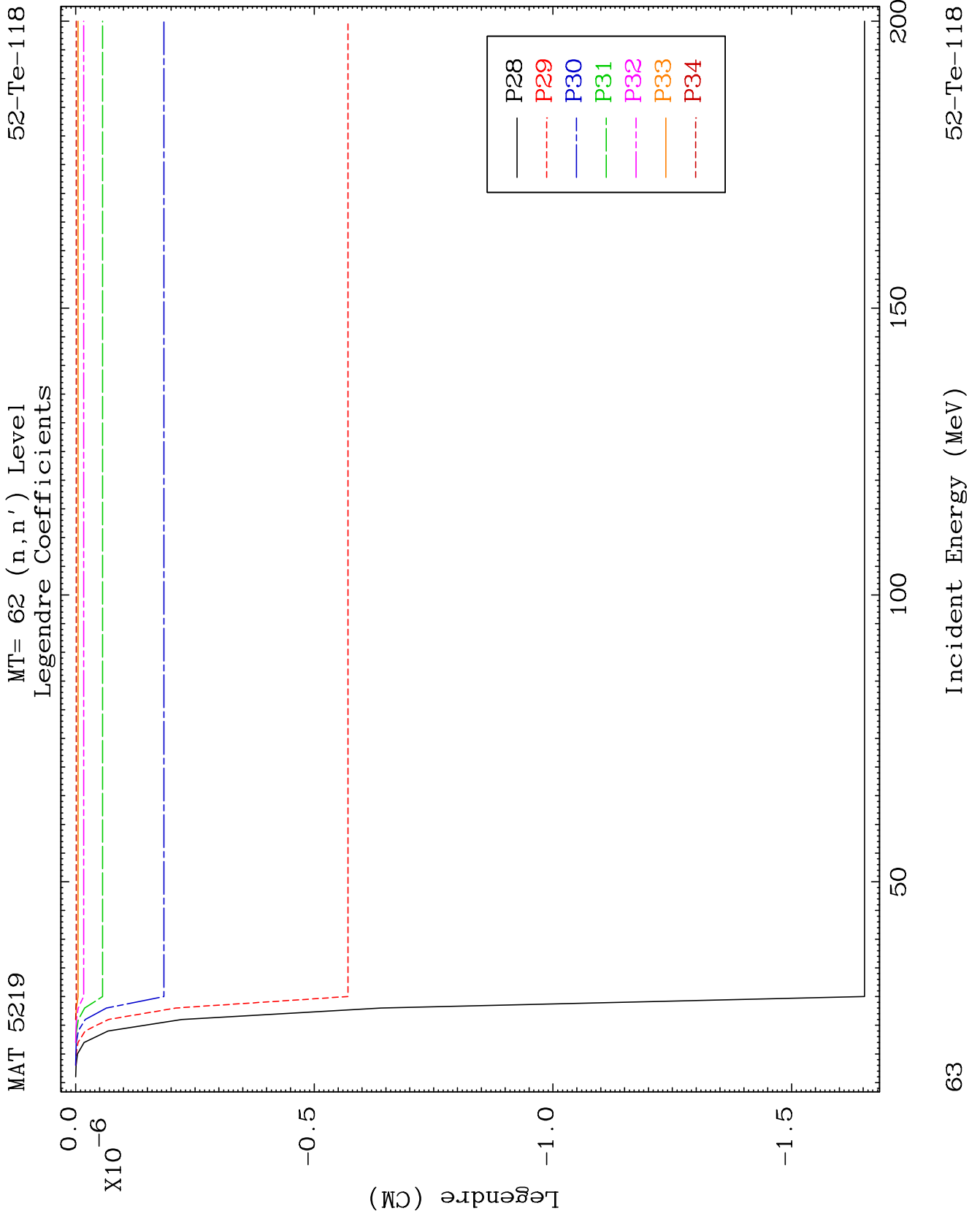
52-Te-118



52-Te-118







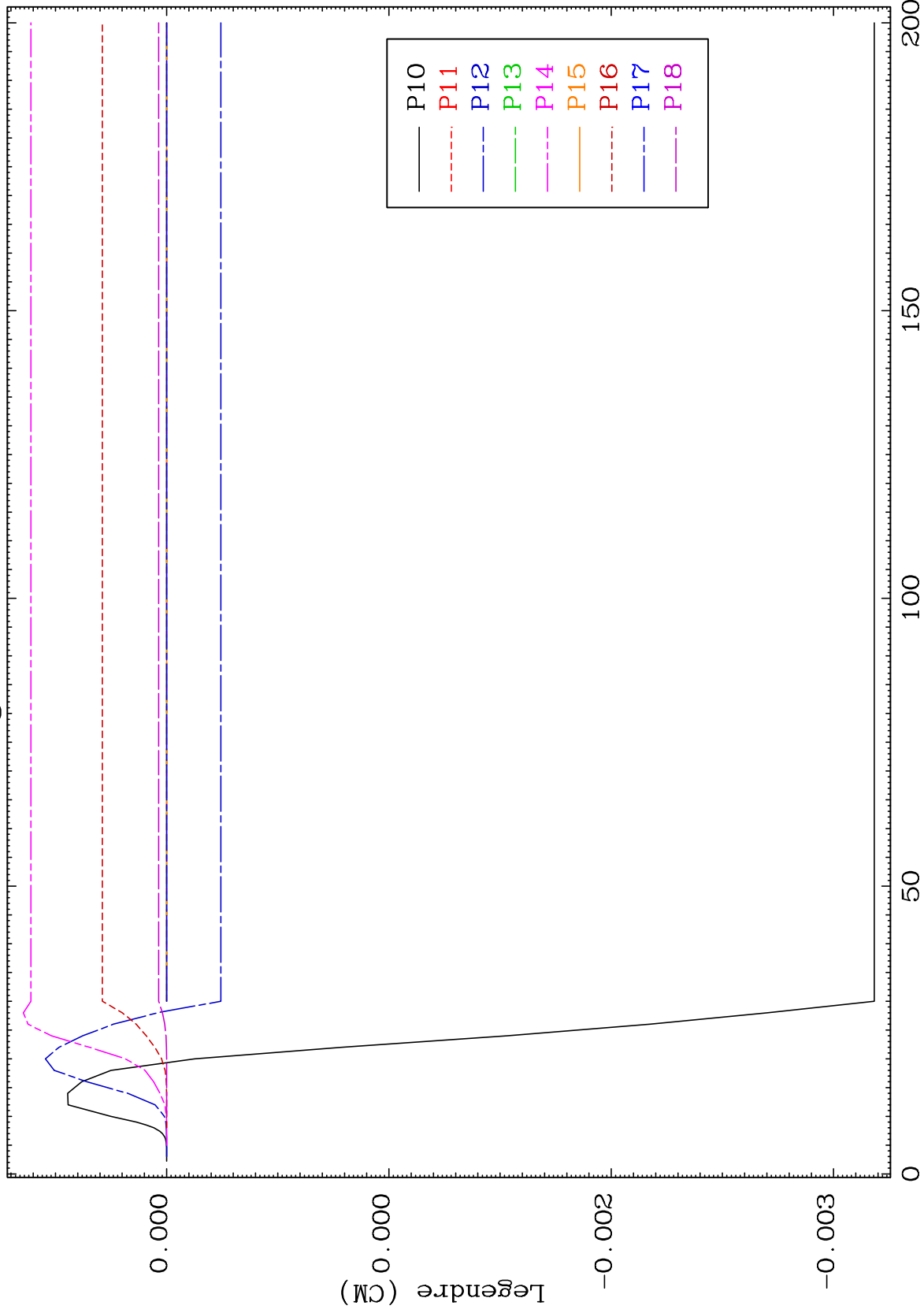




MAT 5219

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

52-Te-118



65

Incident Energy (MeV)

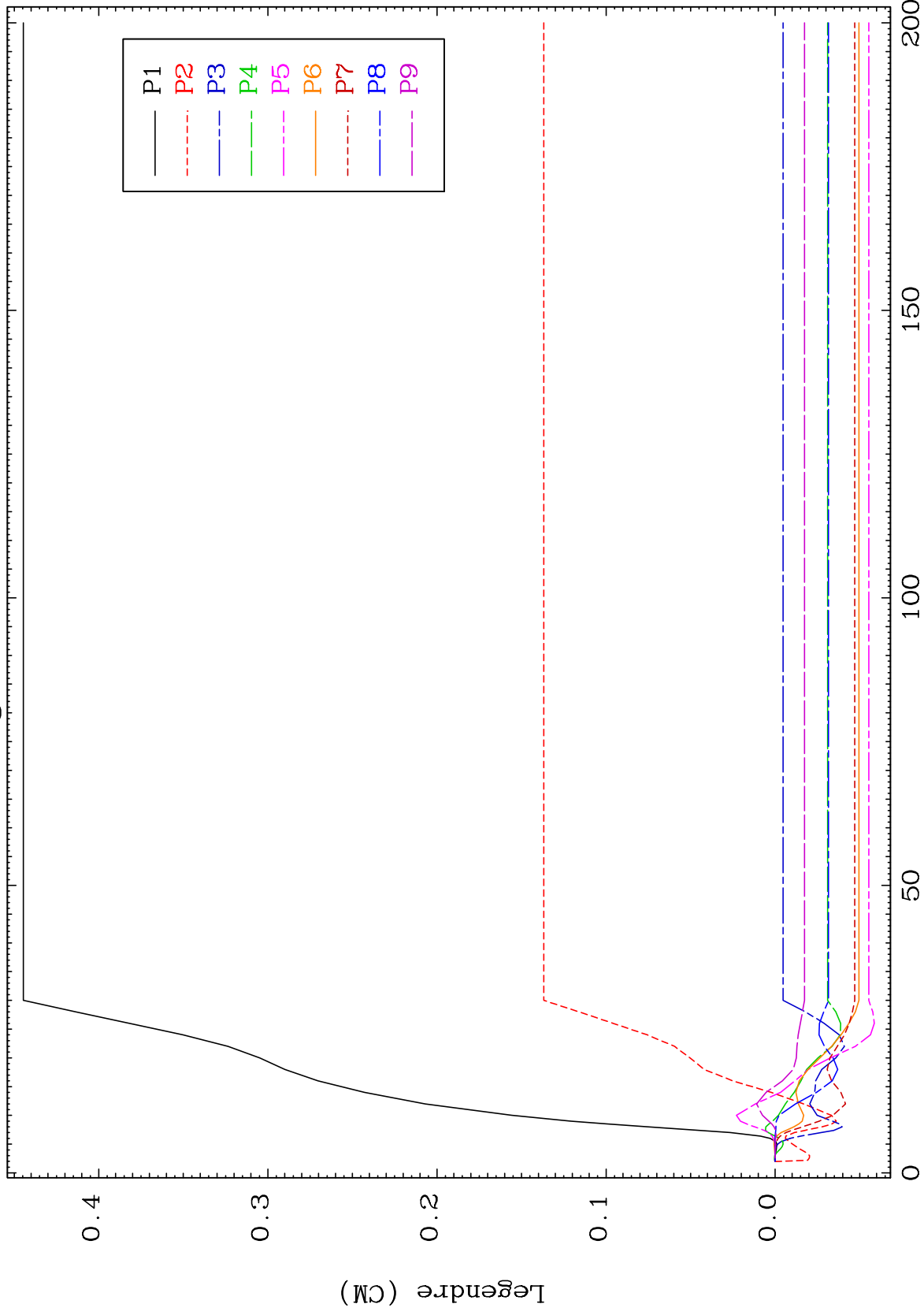
52-Te-118



MAT 5219

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

52-Te-118

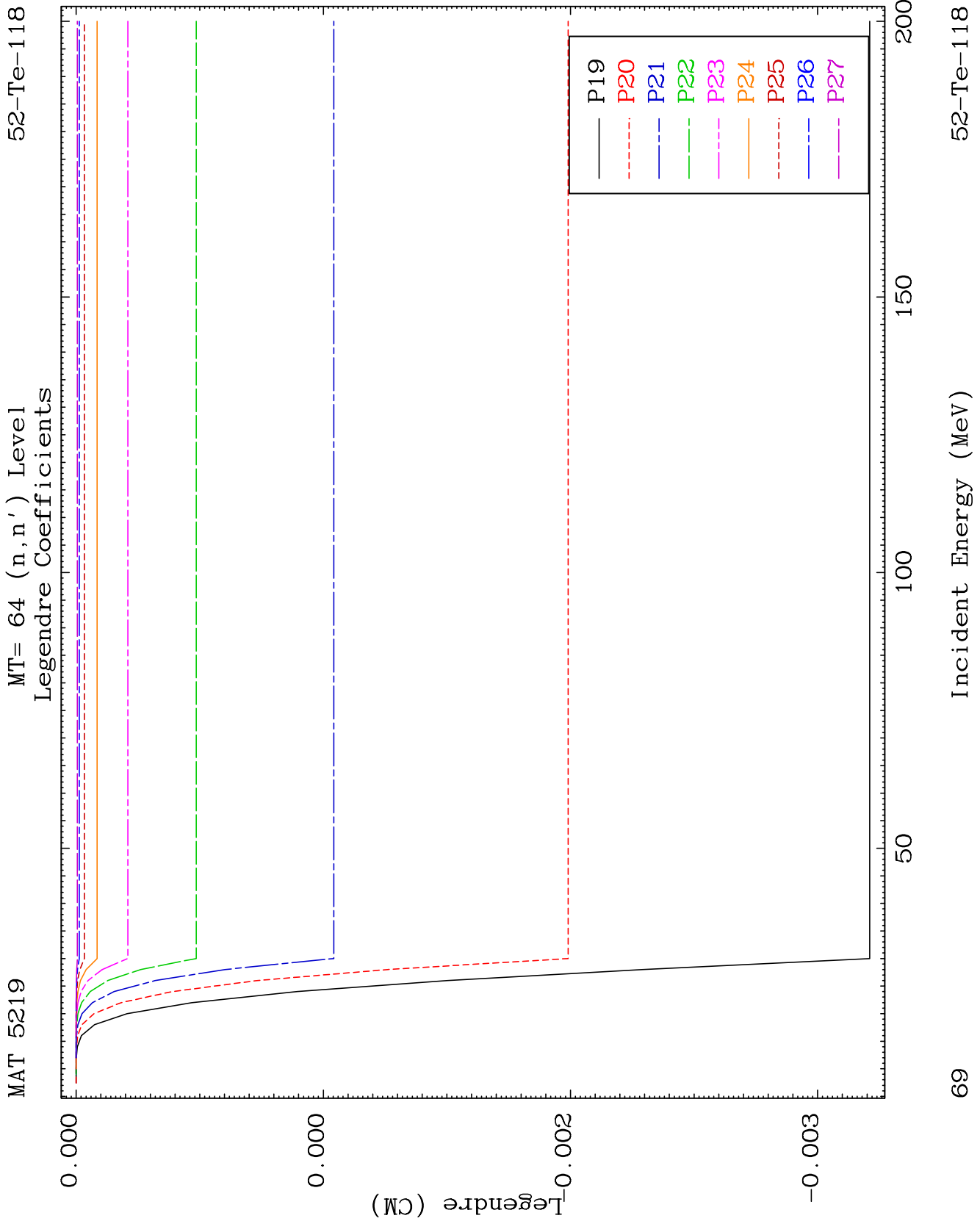


67

Incident Energy (MeV)

52-Te-118



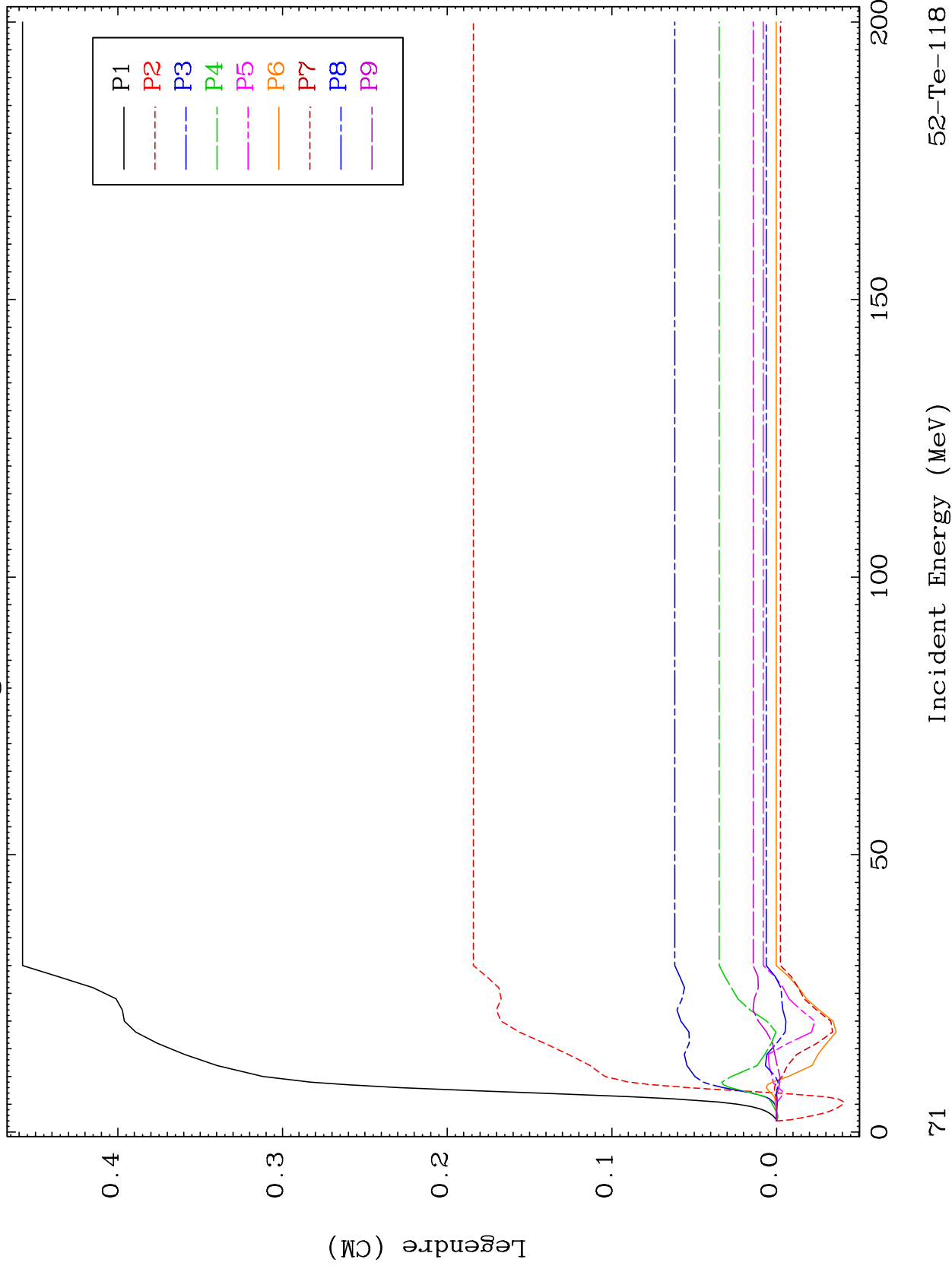




MAT 5219

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

52-Te-118



71

Incident Energy (MeV)

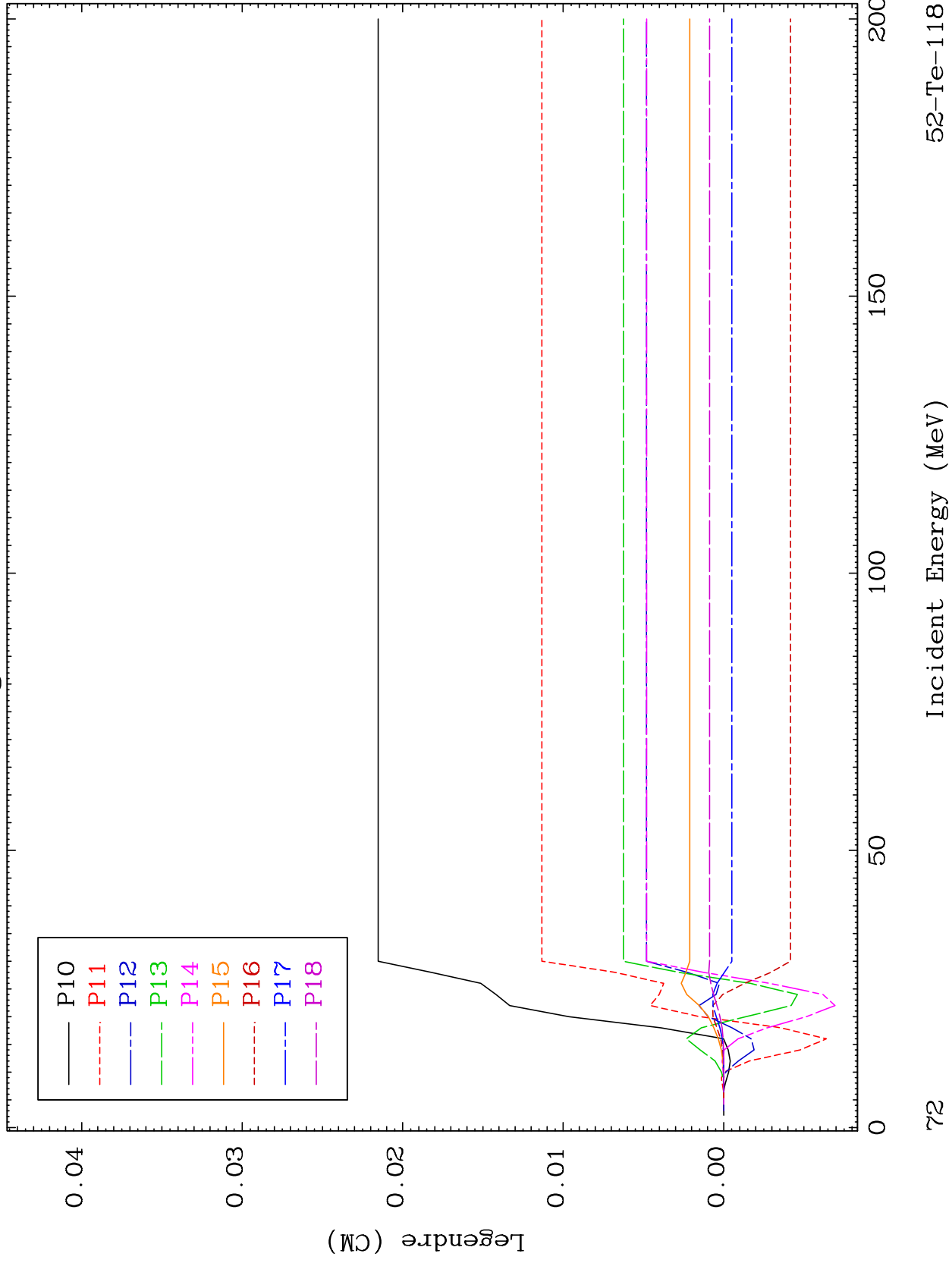
52-Te-118



MAT 5219

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

52-Te-118



72

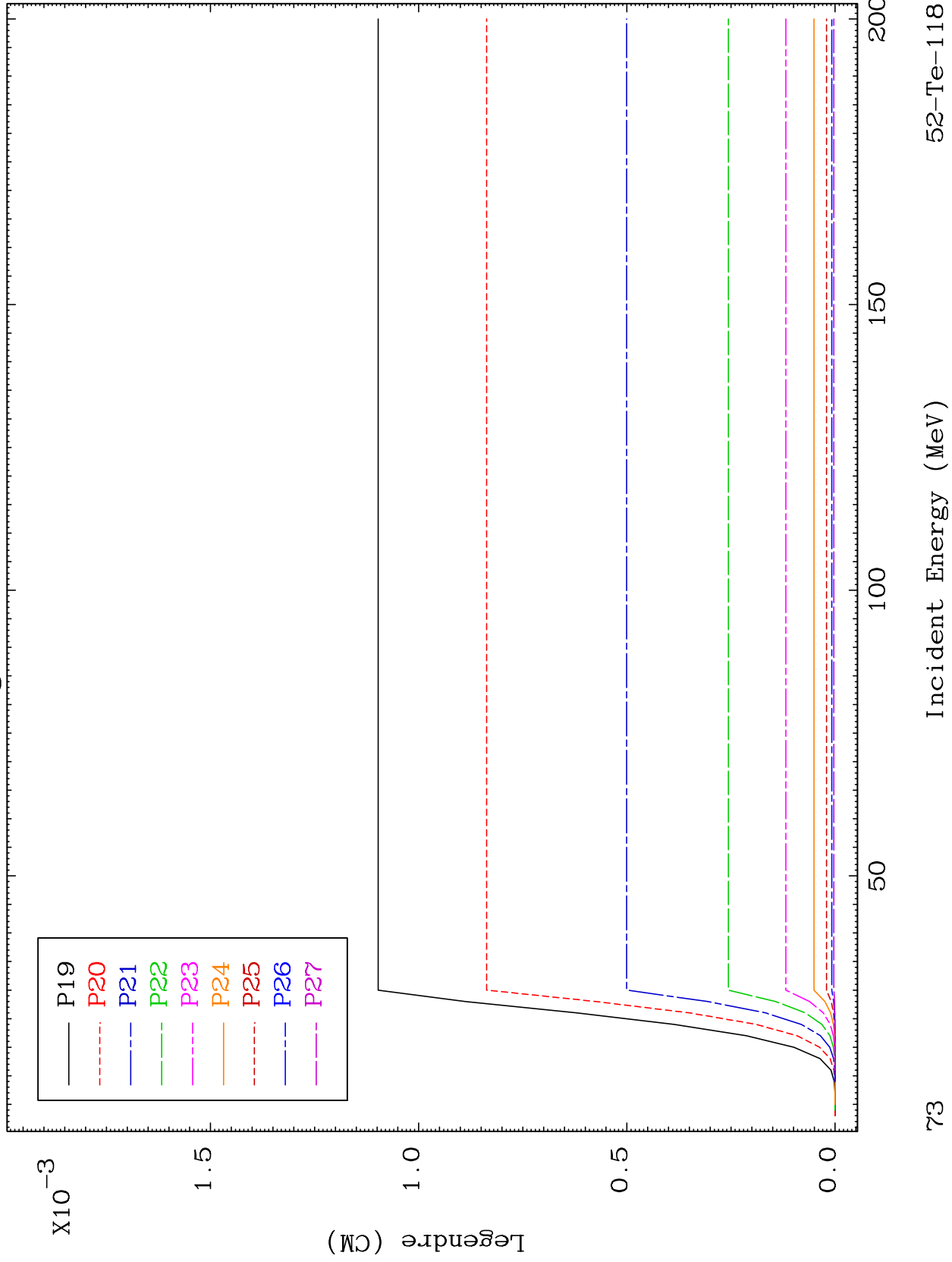
Incident Energy (MeV)

52-Te-118

MAT 5219

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

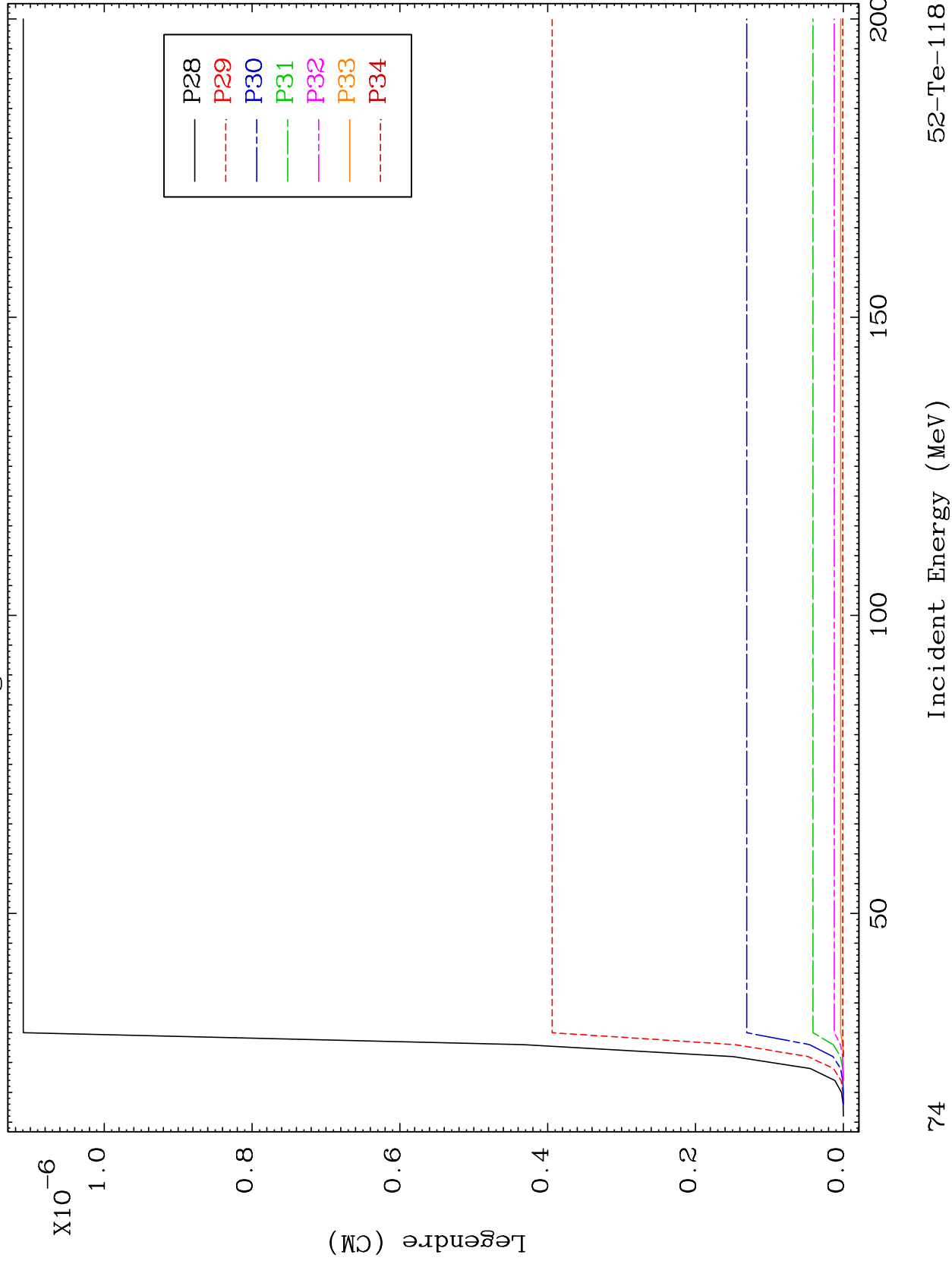
52-Te-118



MAT 5219

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

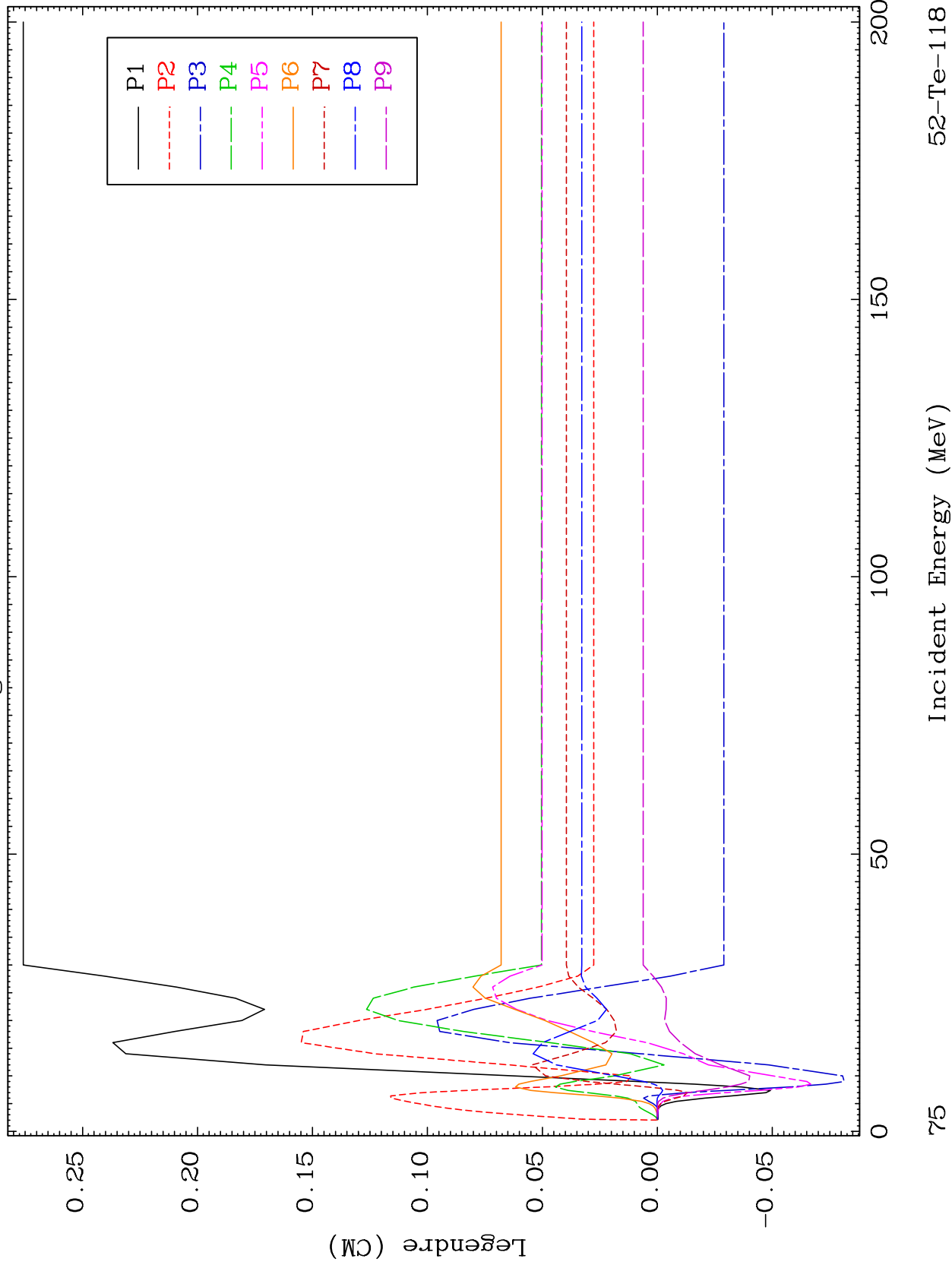
52-Te-118



MAT 5219

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

52-Te-118



52-Te-118

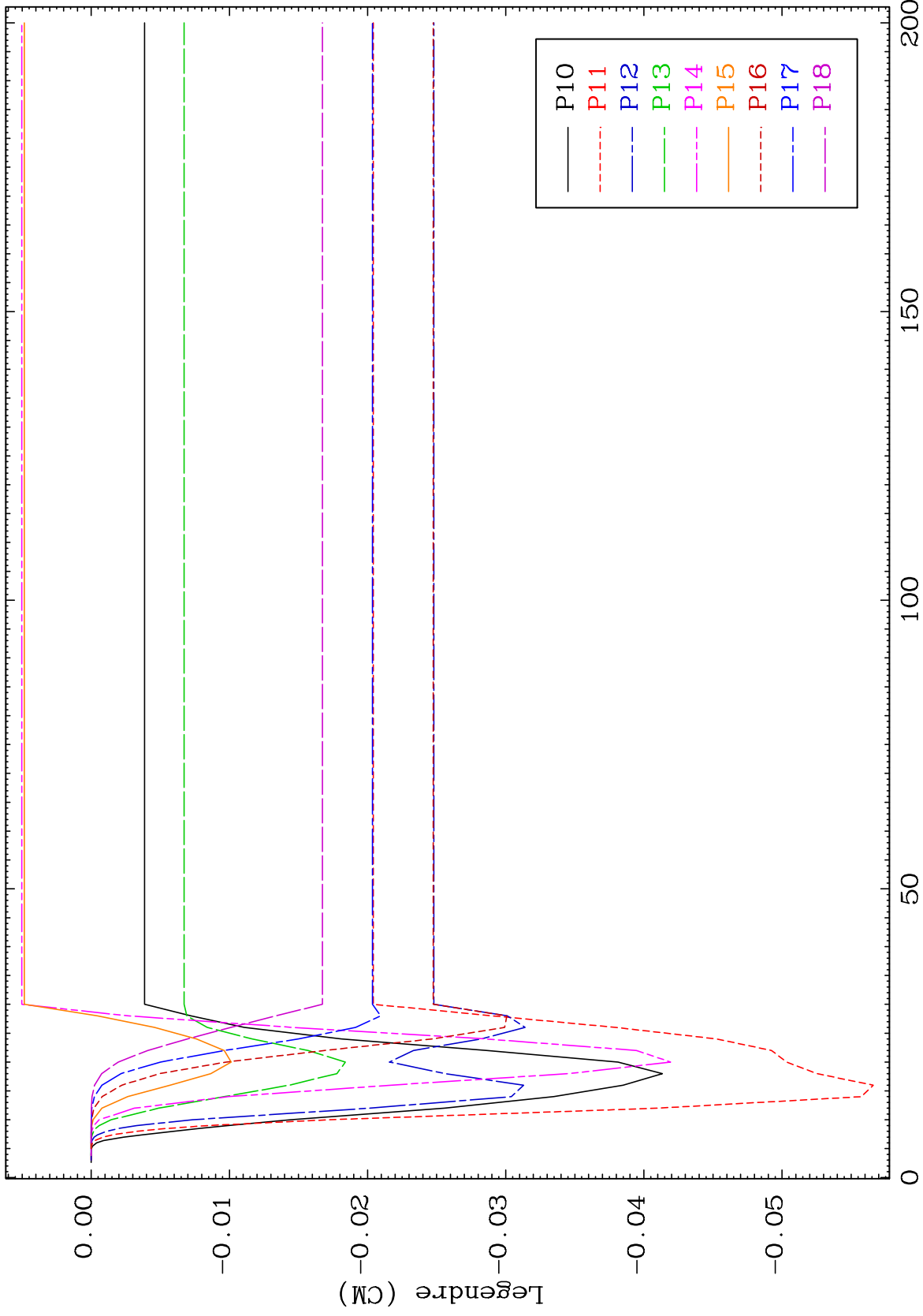
Incident Energy (MeV)

75

MAT 5219

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

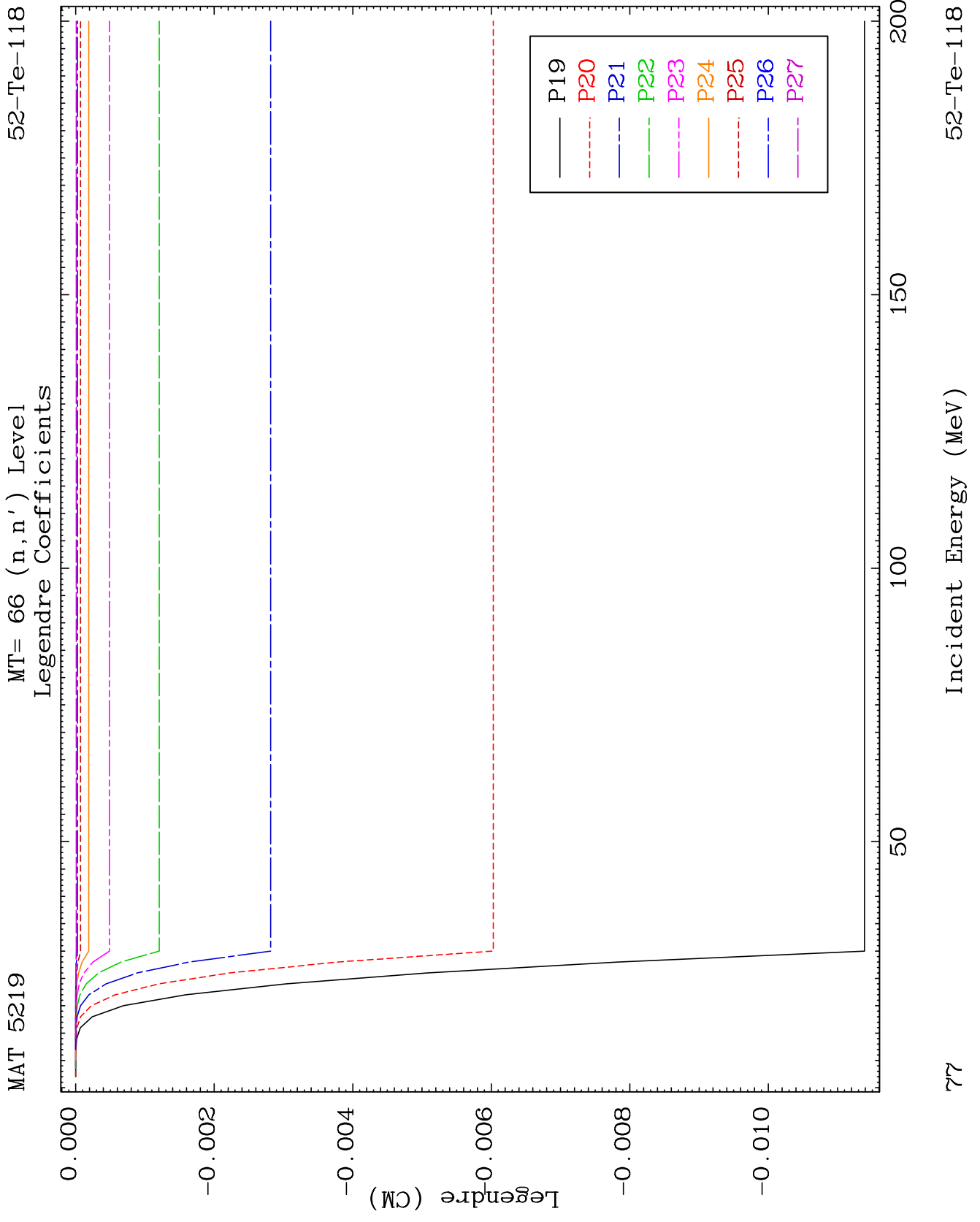
52-Te-118

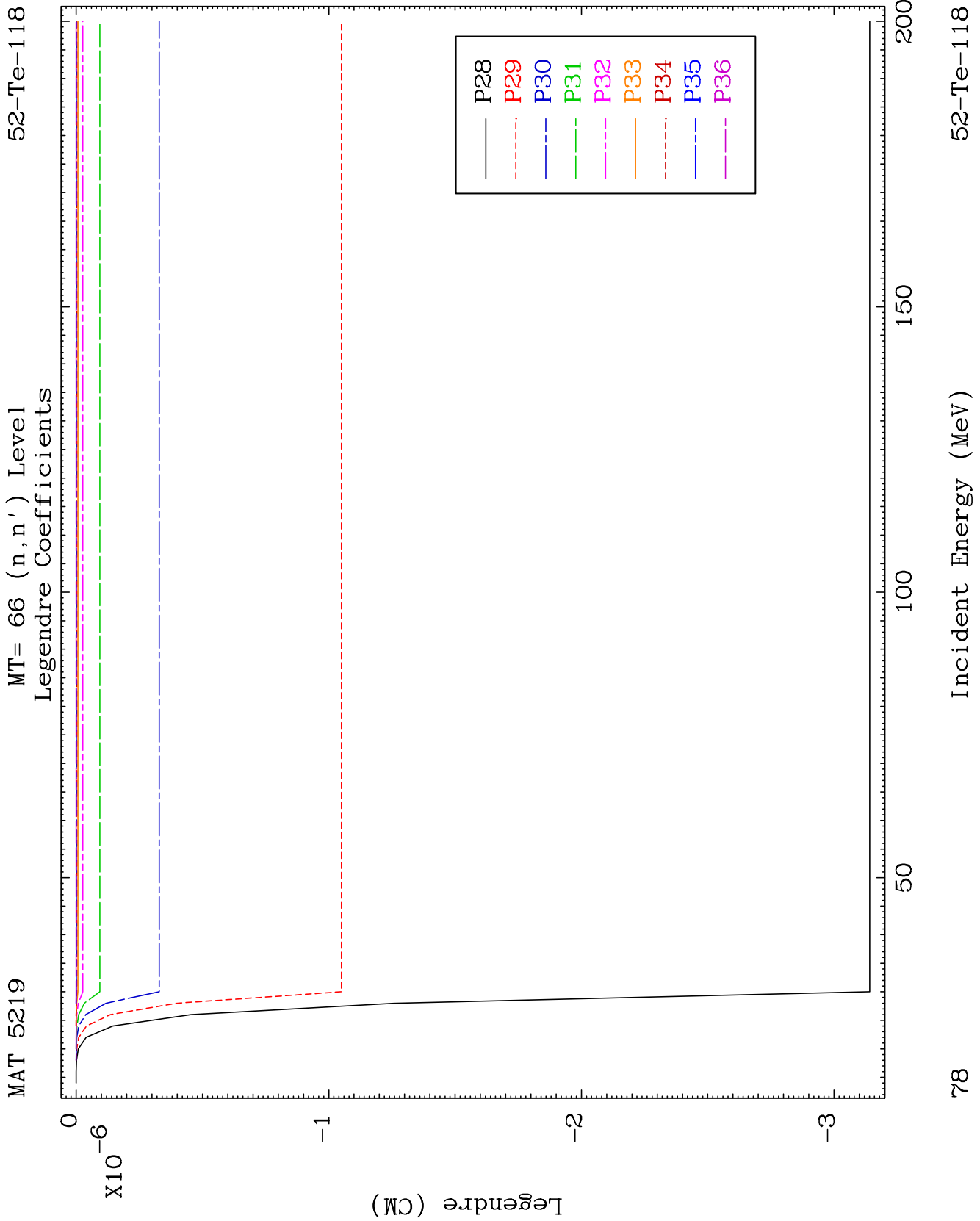


76

Incident Energy (MeV)

52-Te-118

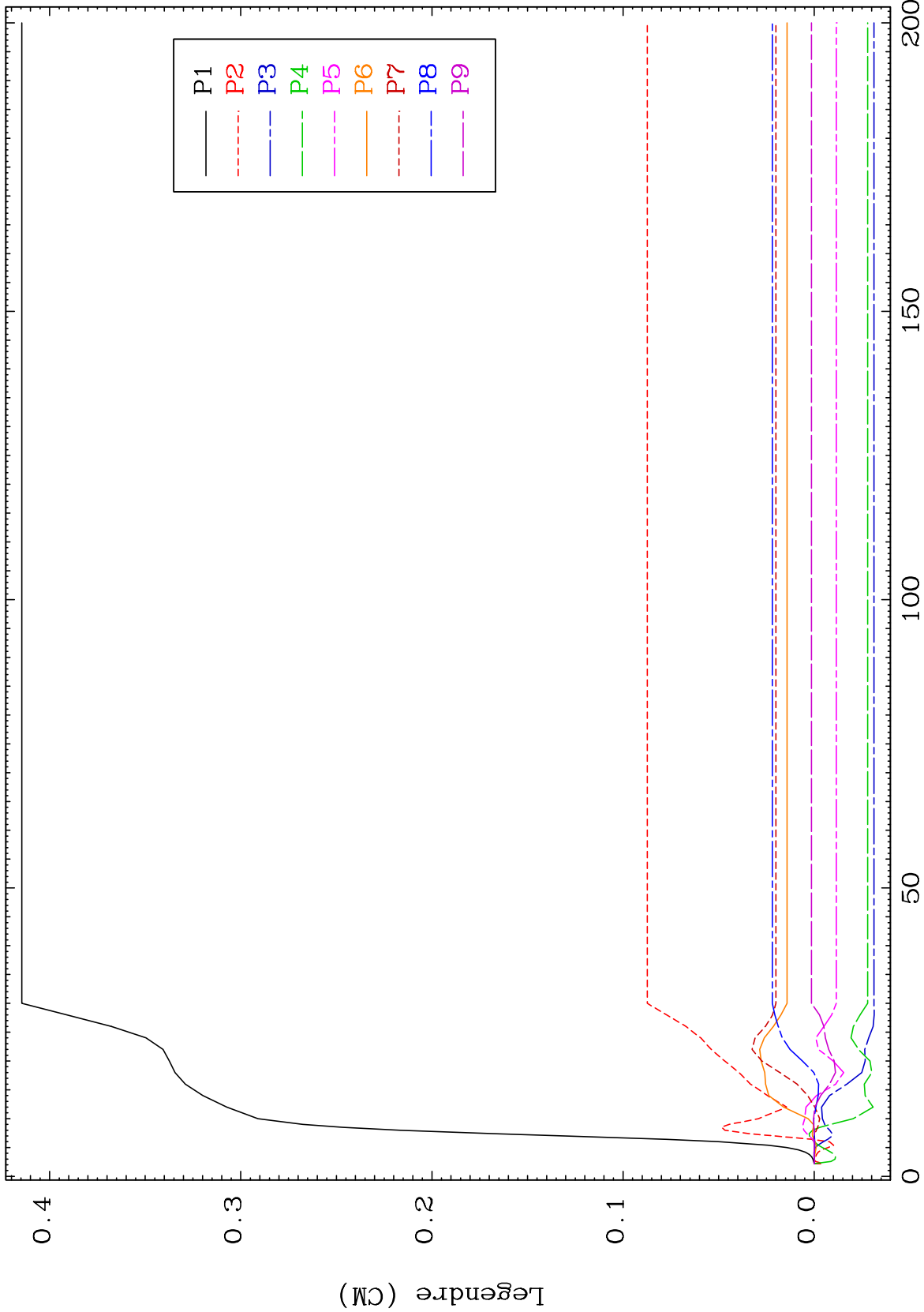




MAT 5219

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

52-Te-118



79

Incident Energy (MeV)

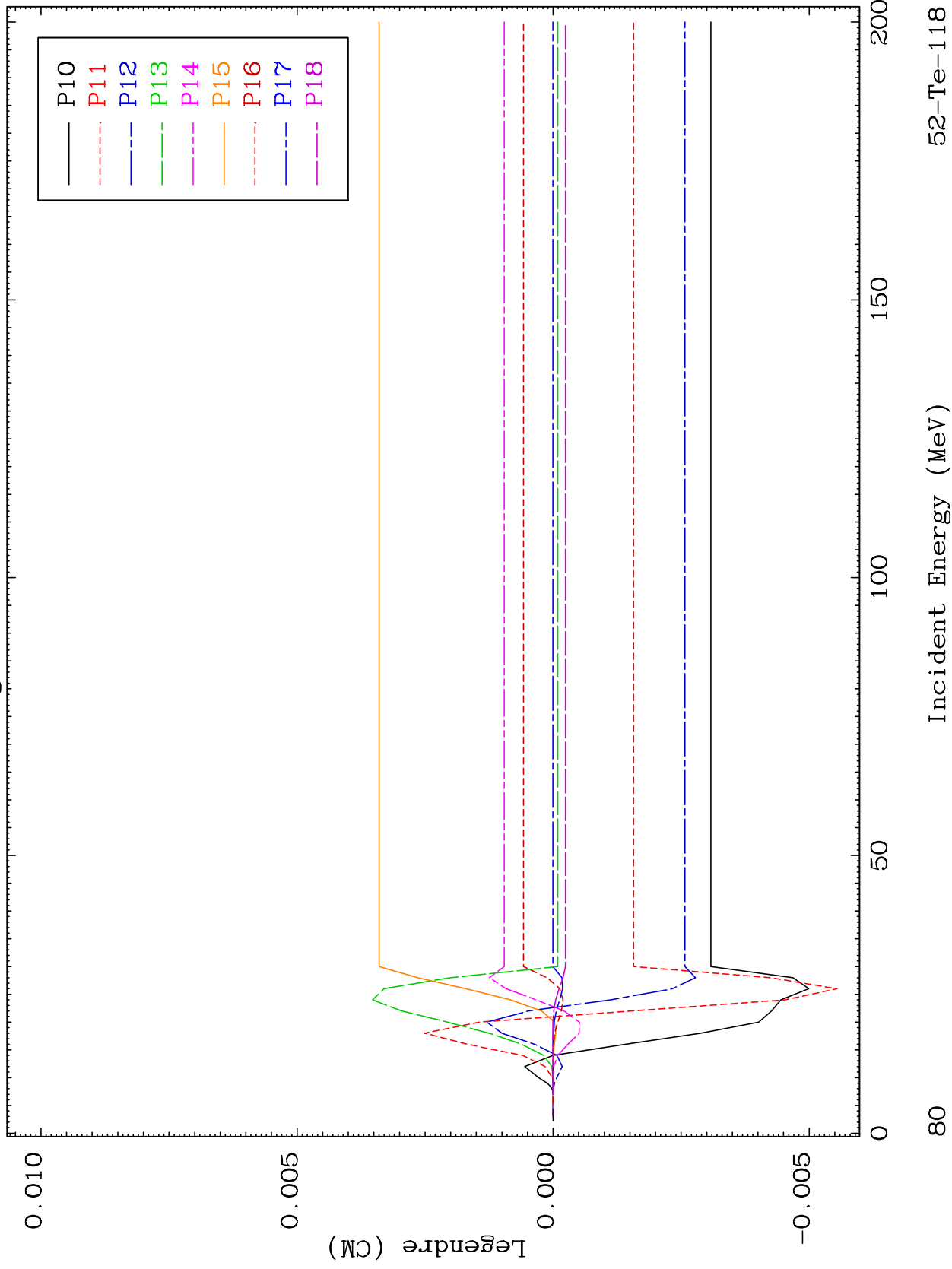
52-Te-118



MAT 5219

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

52-Te-118

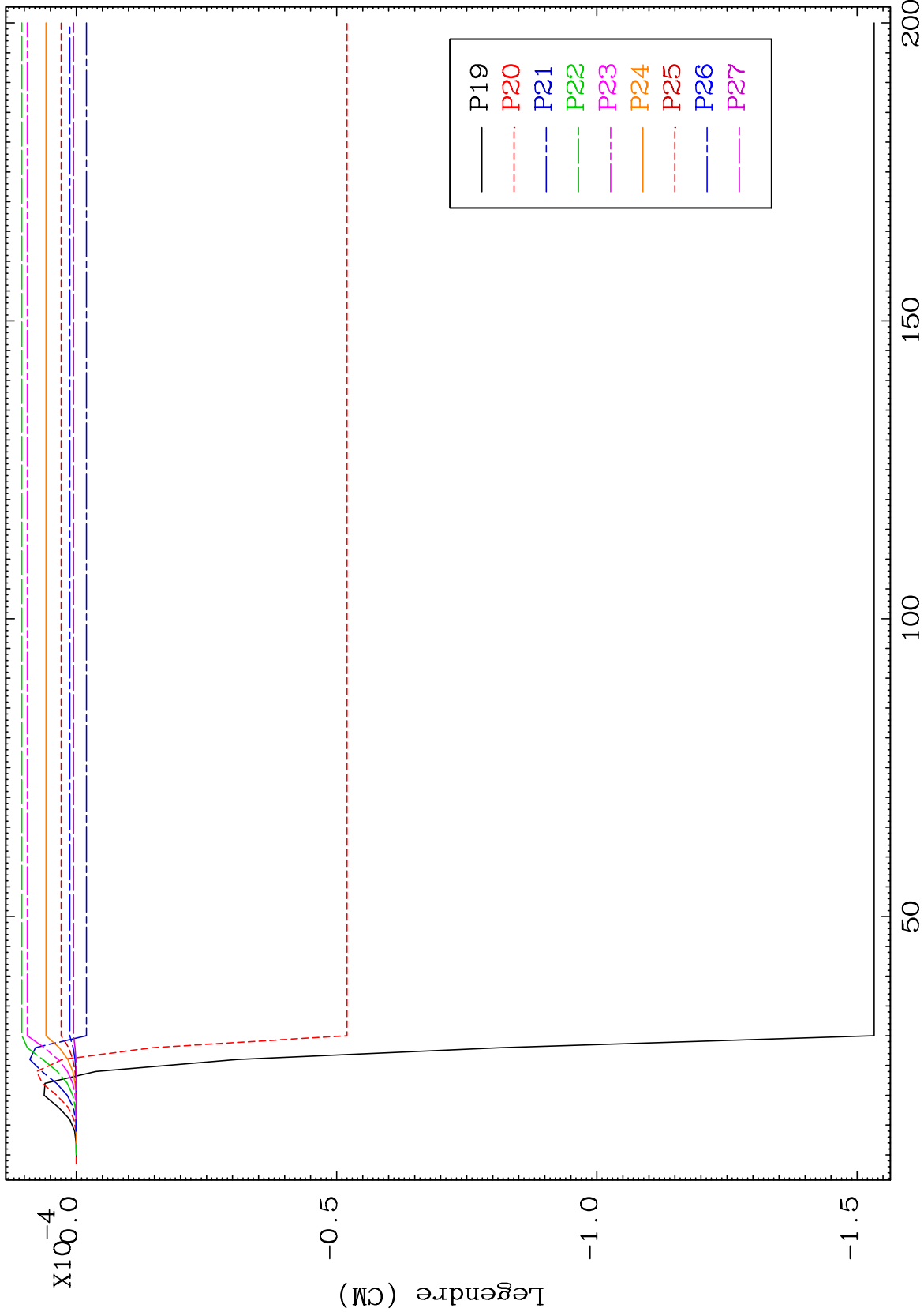


MAT 5219

MT= 67 (n,n') Level

52-Te-118

Legendre Coefficients



81

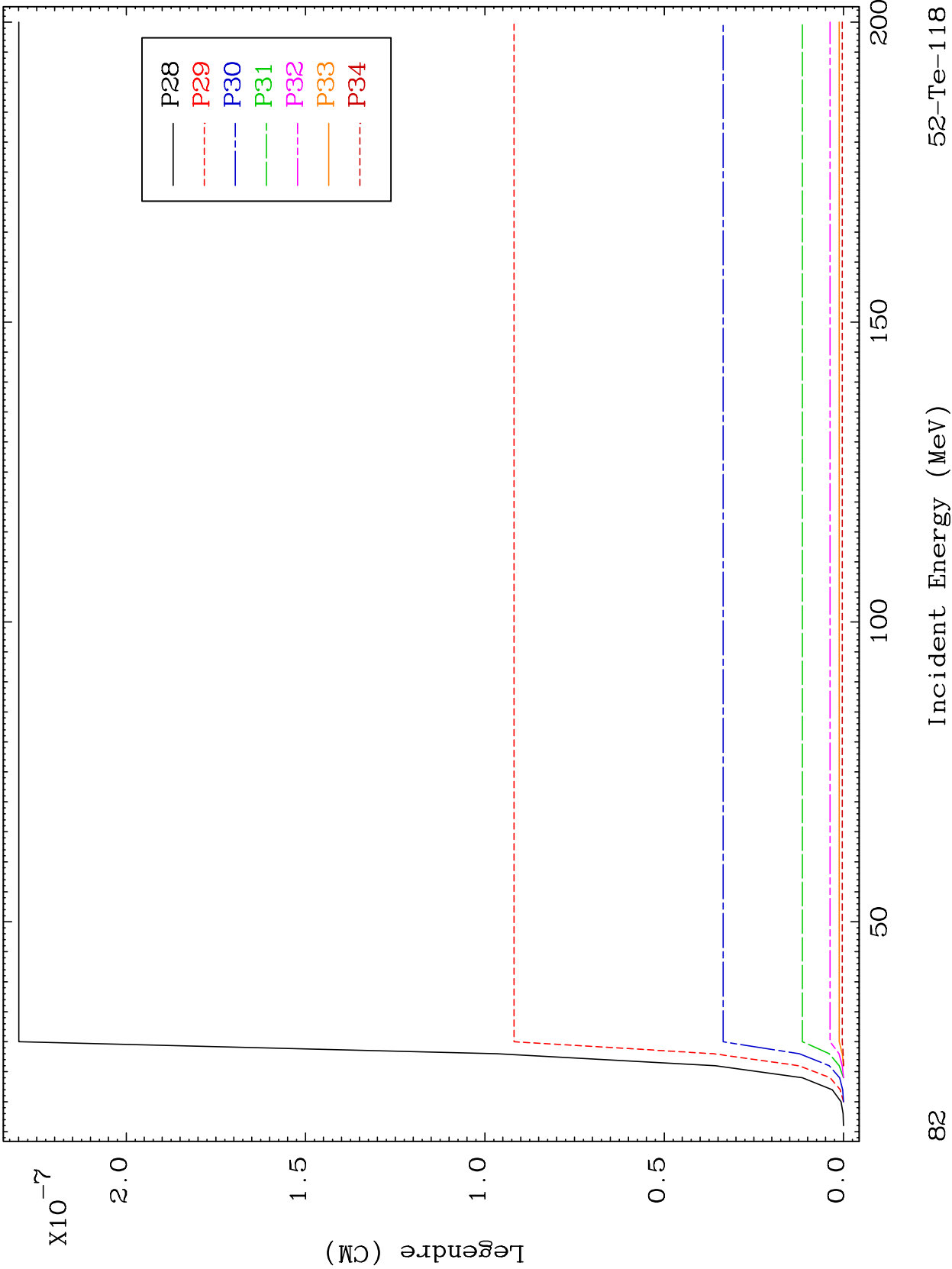
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118

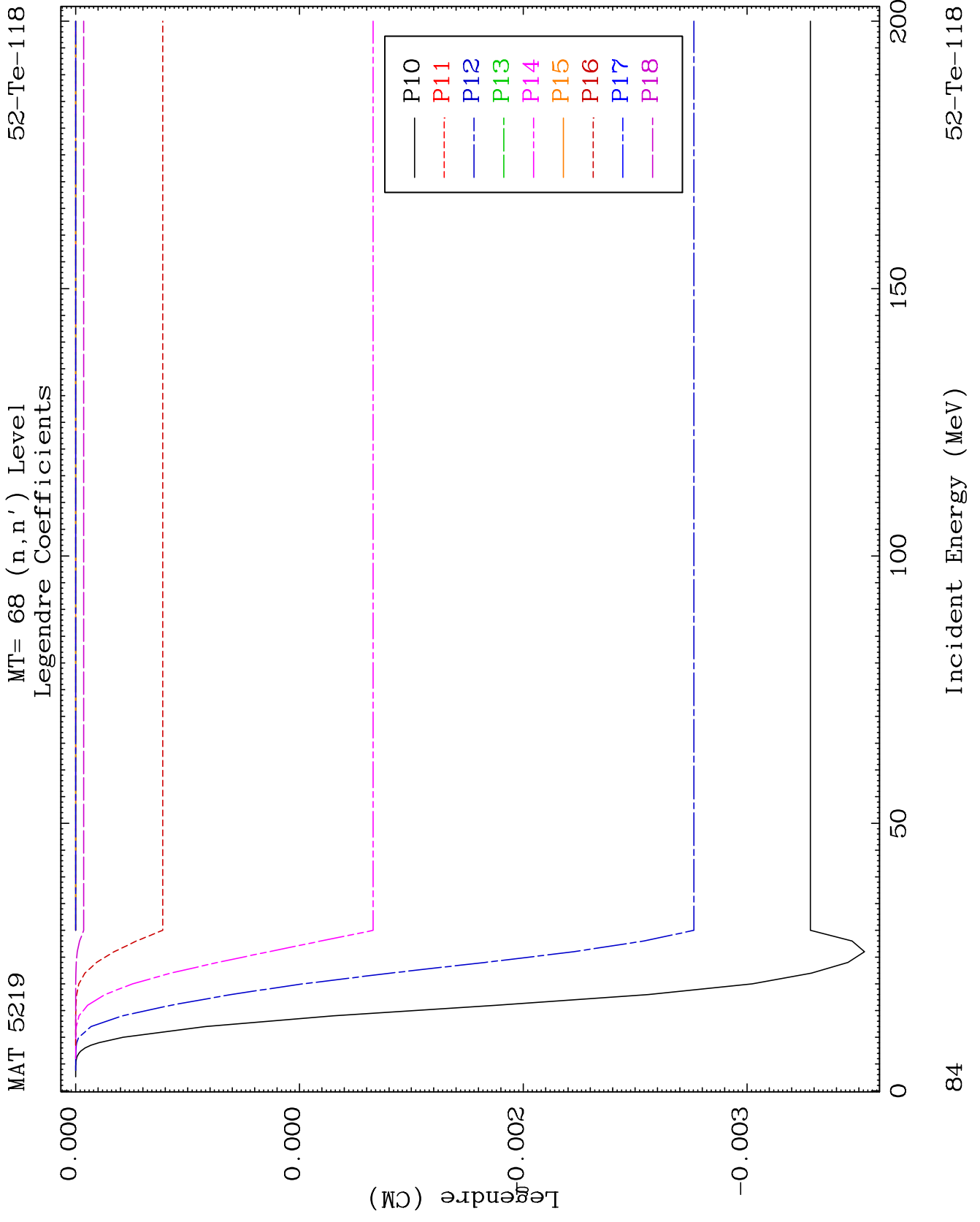


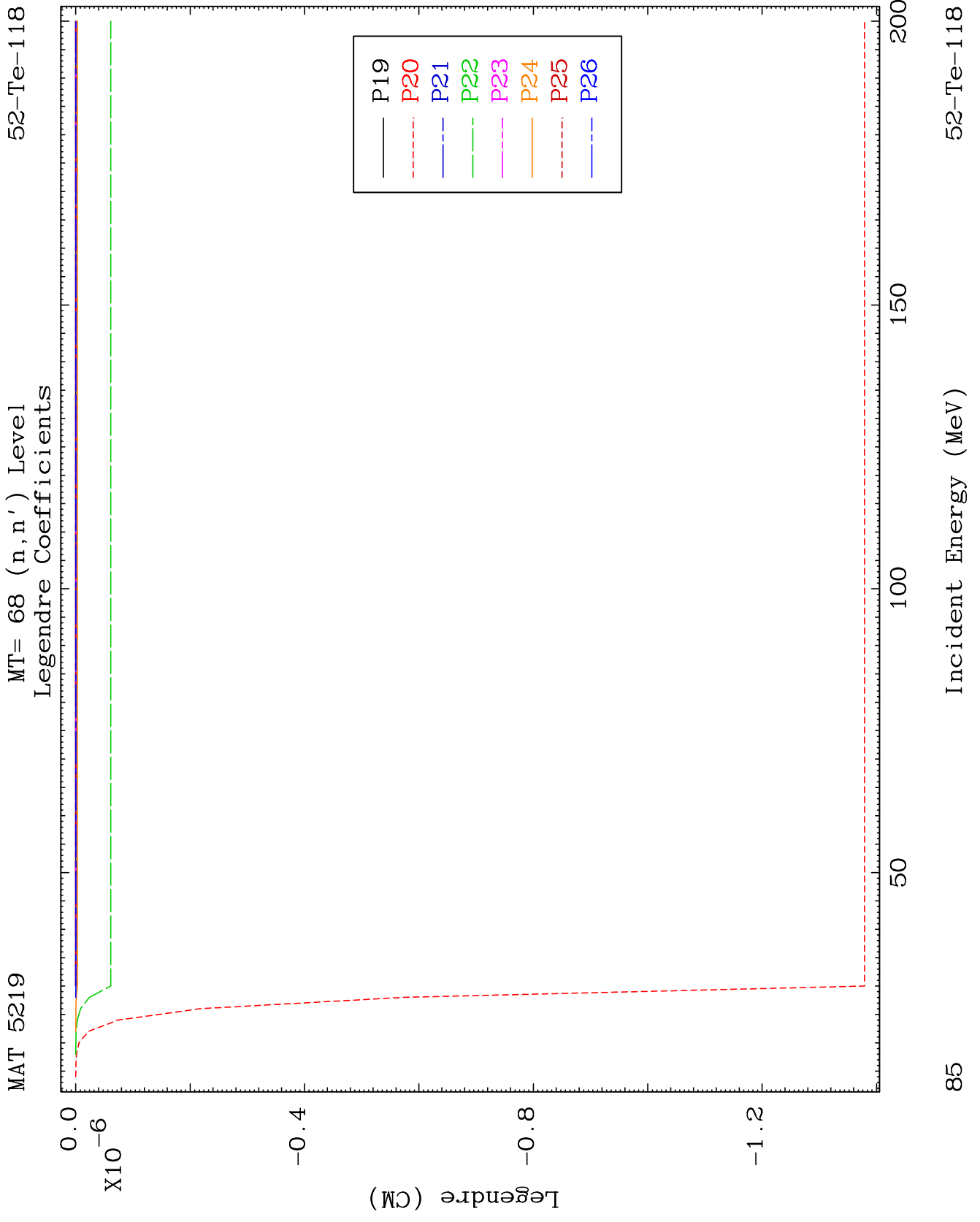
82

Incident Energy (MeV)

52-Te-118



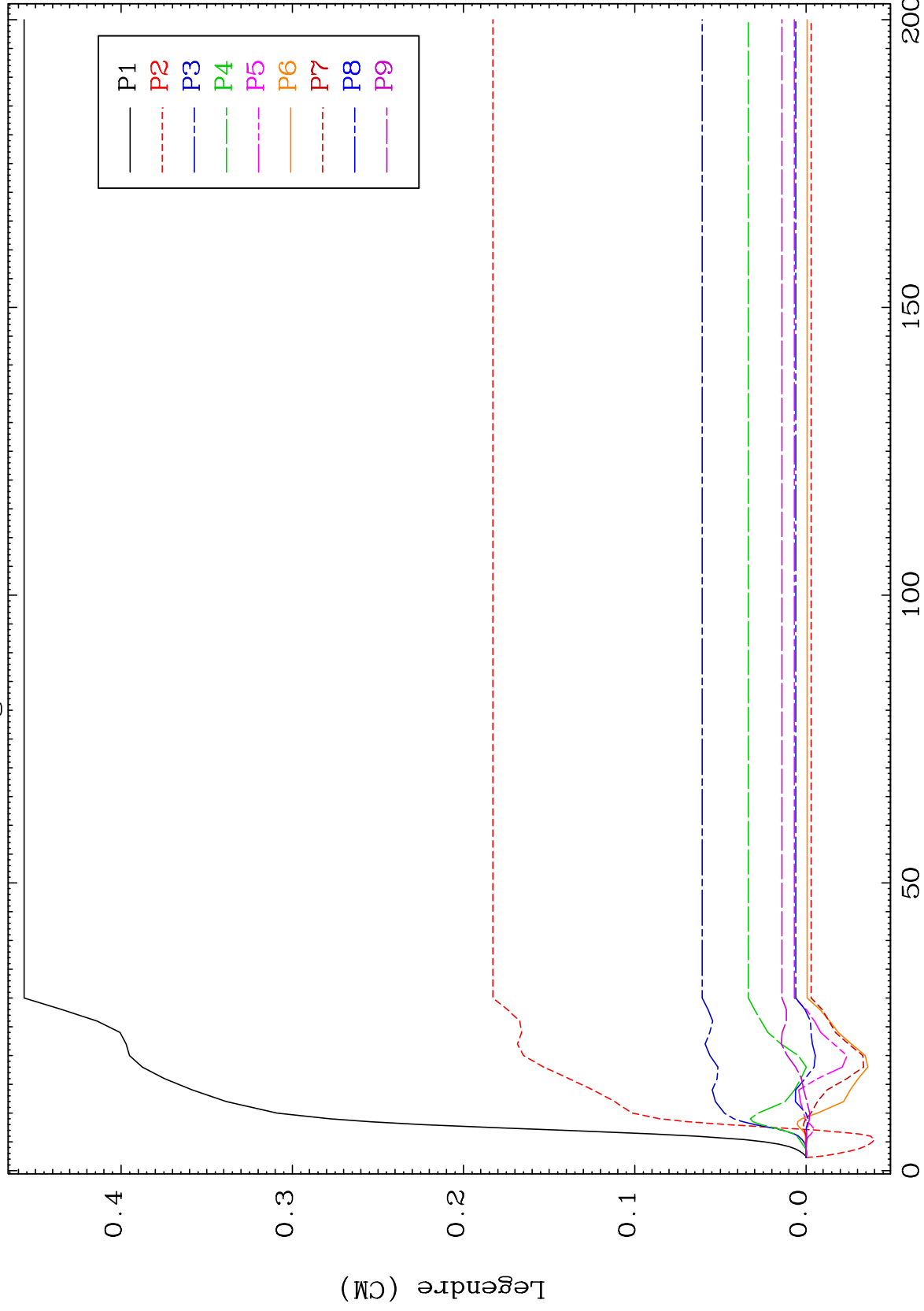




MAT 5219

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

52-Te-118



86

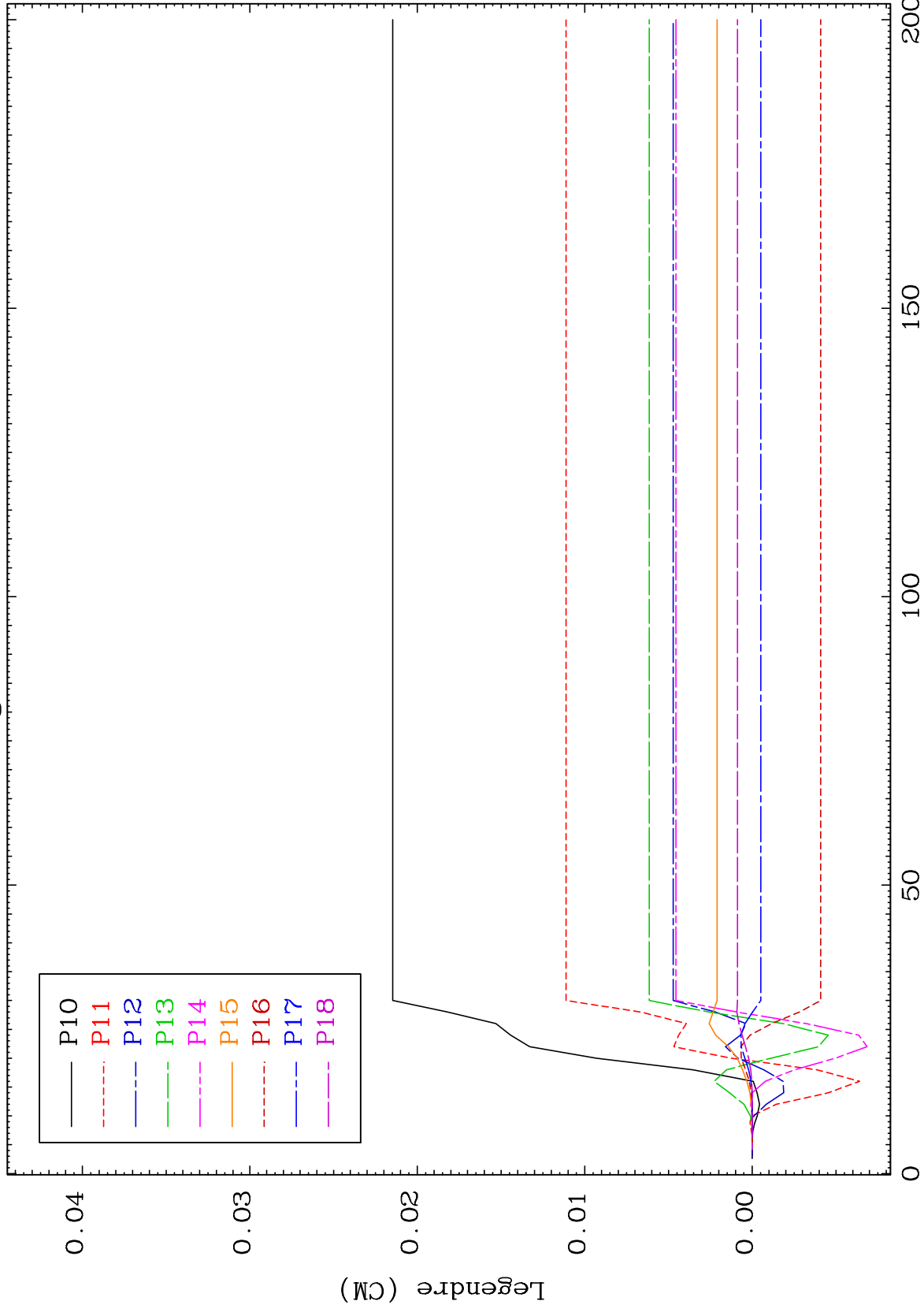
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118



87

Incident Energy (MeV)

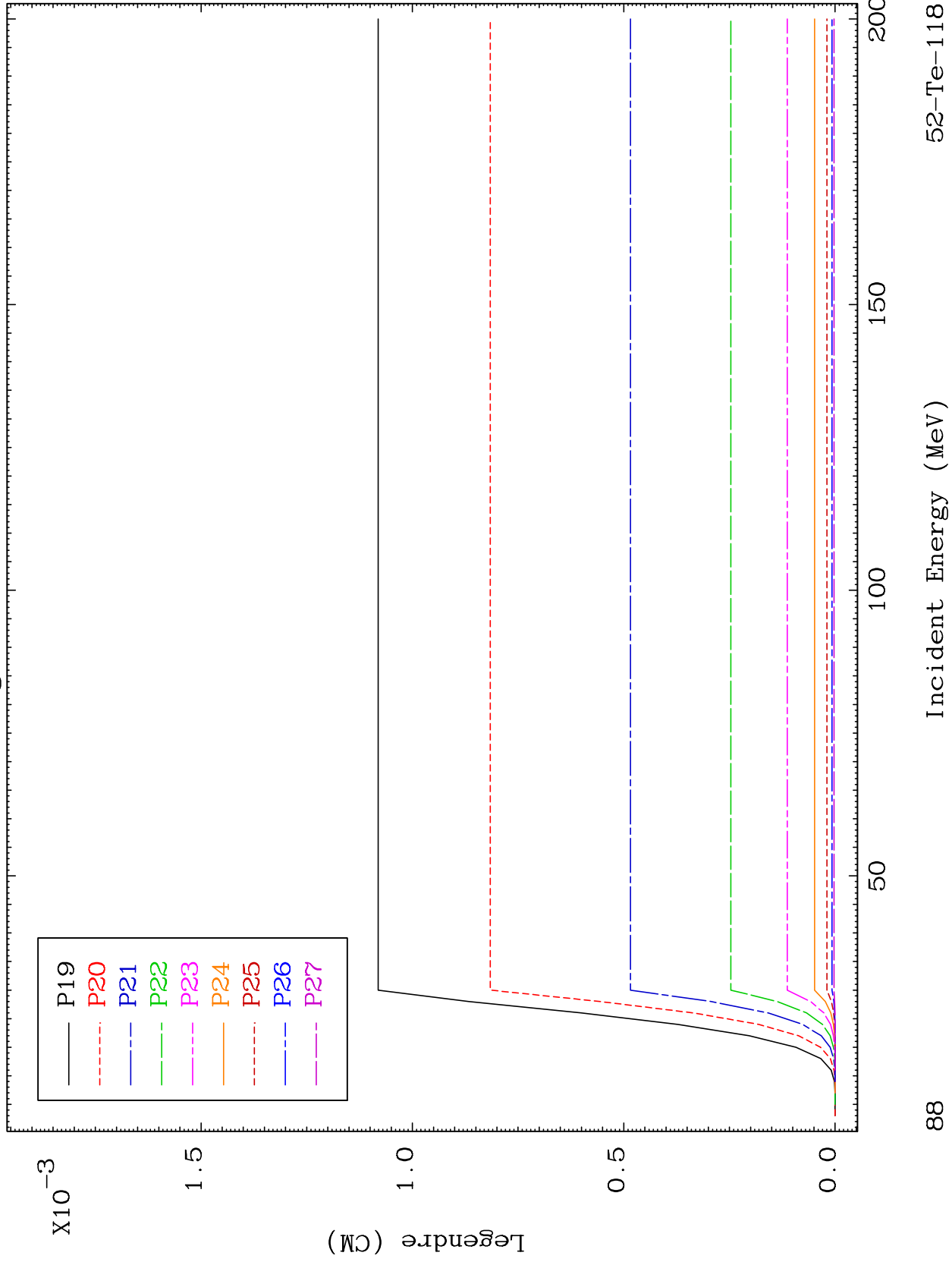
52-Te-118



MAT 5219

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

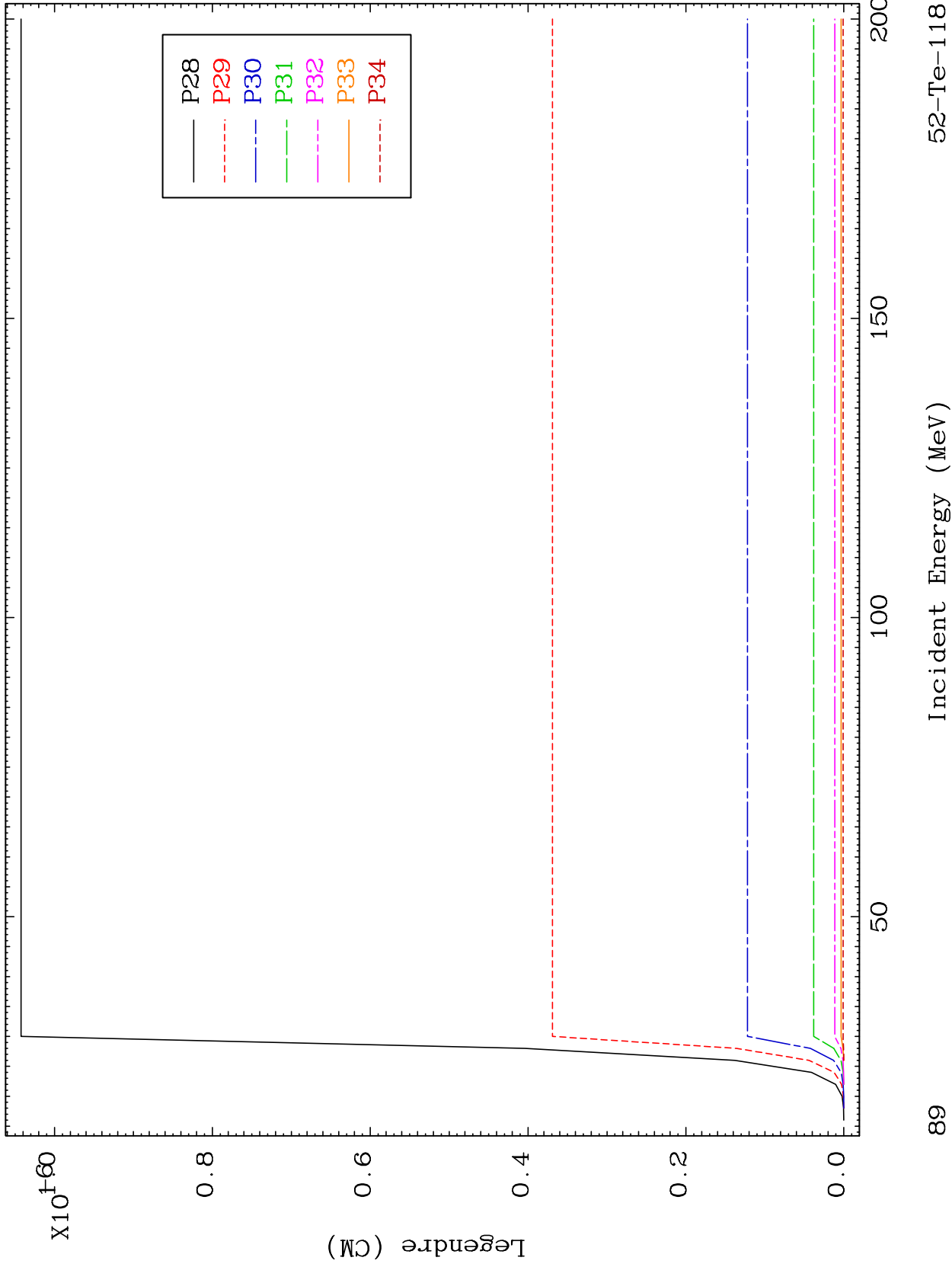
52-Te-118



MAT 5219

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

52-Te-118

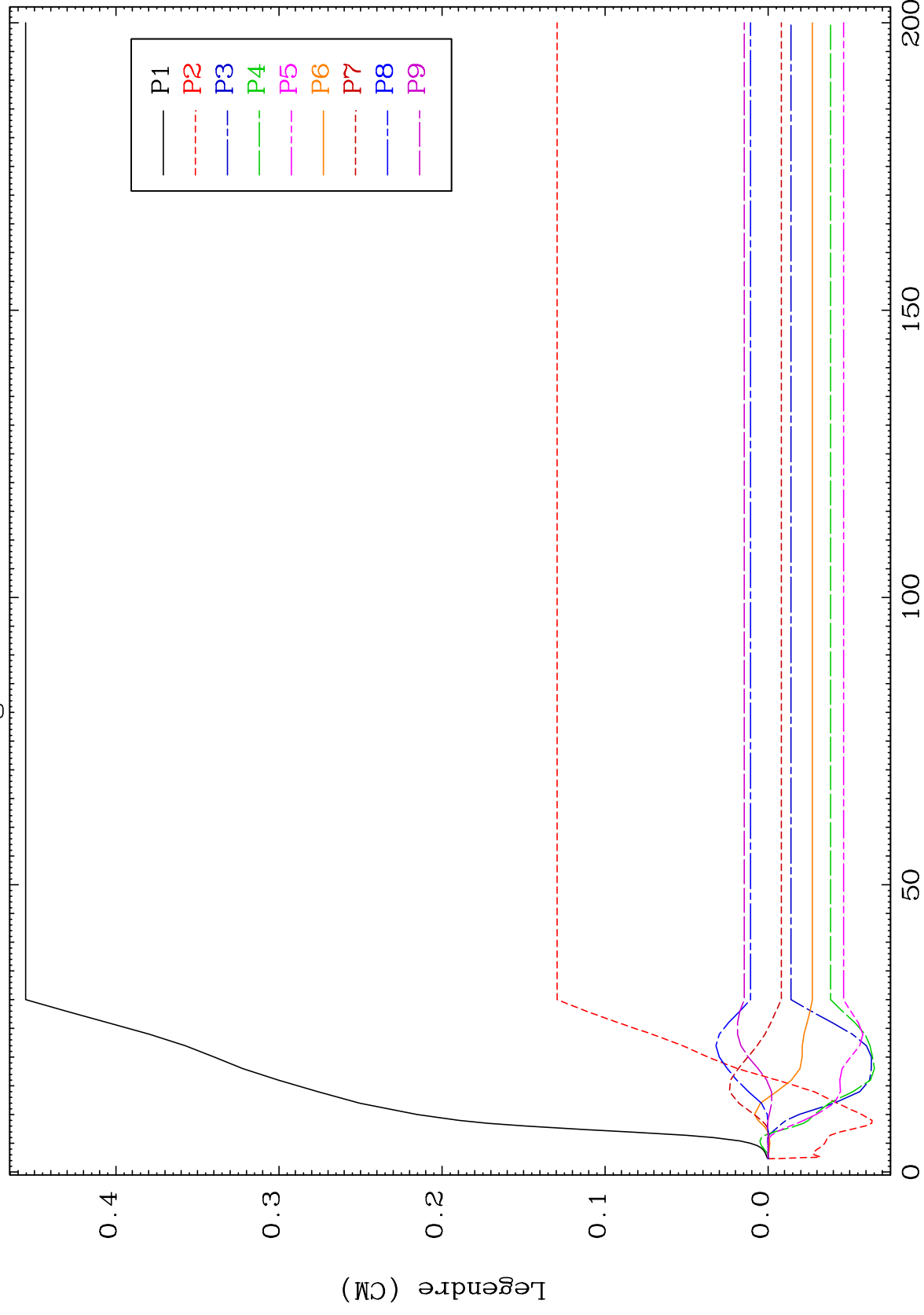


89

MAT 5219

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

52-Te-118



90

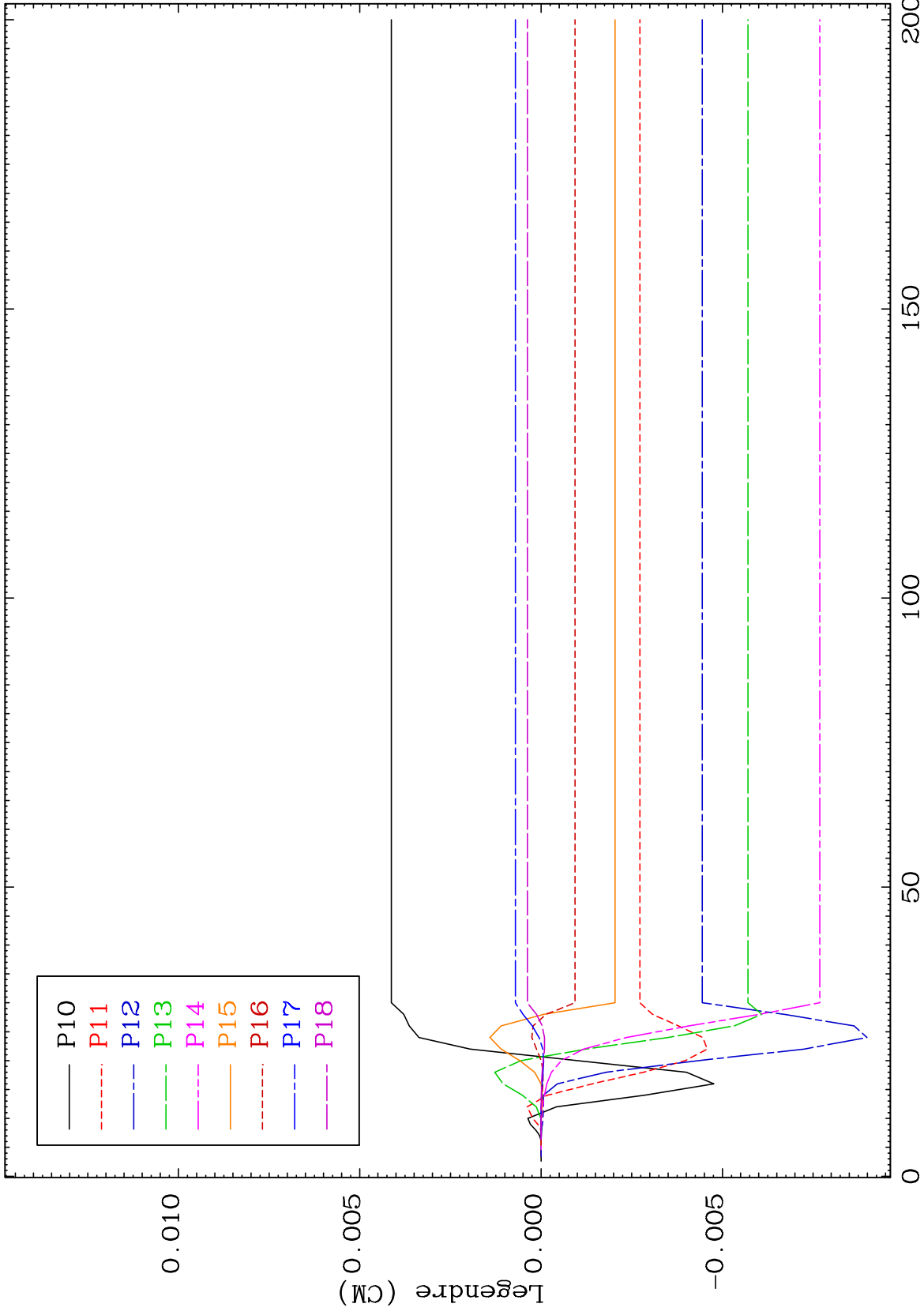
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118



91

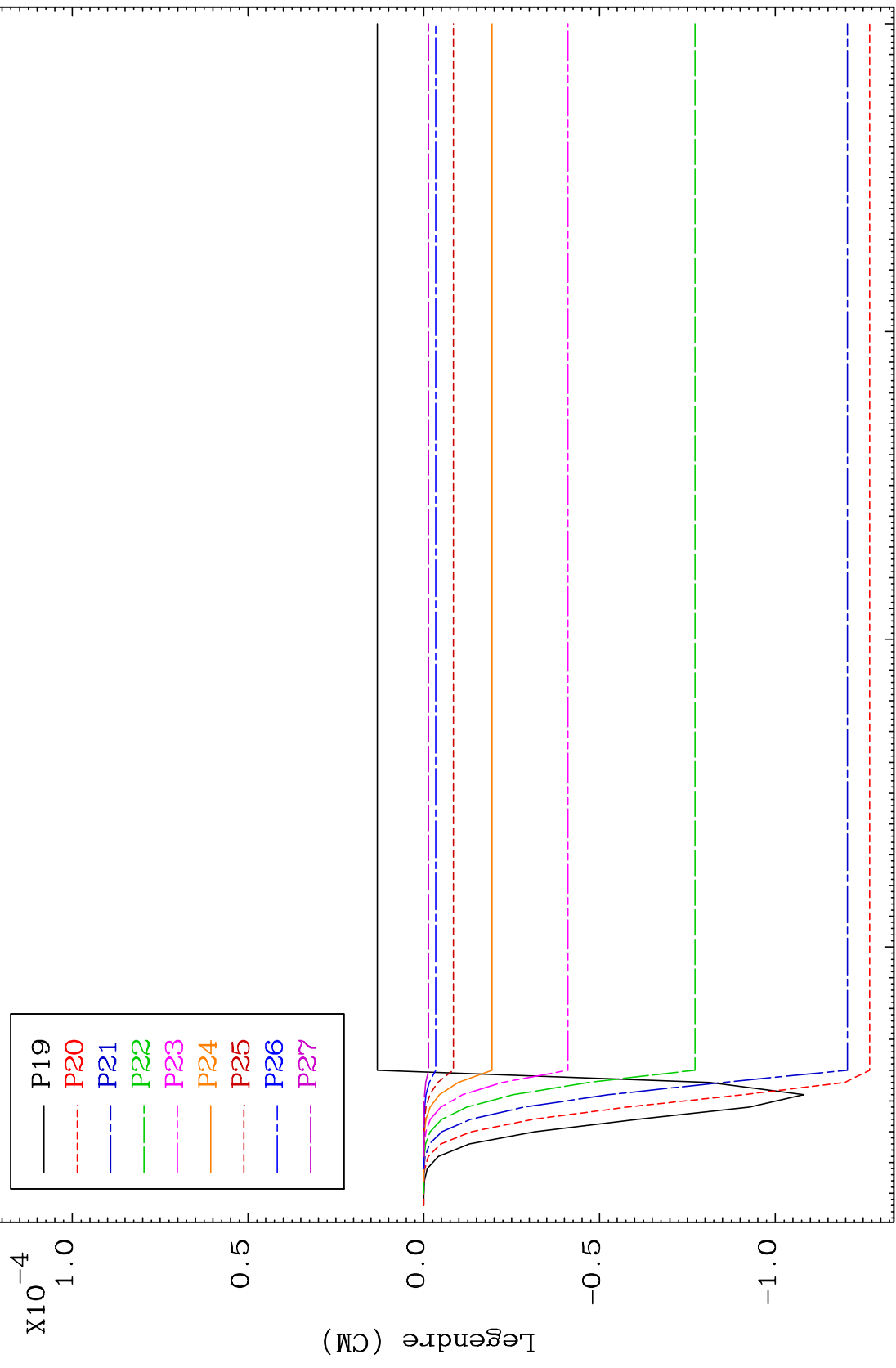
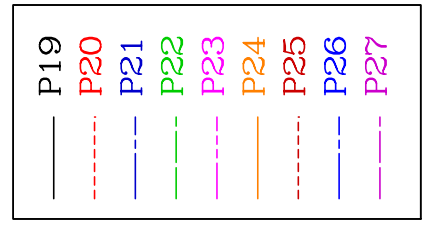
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118

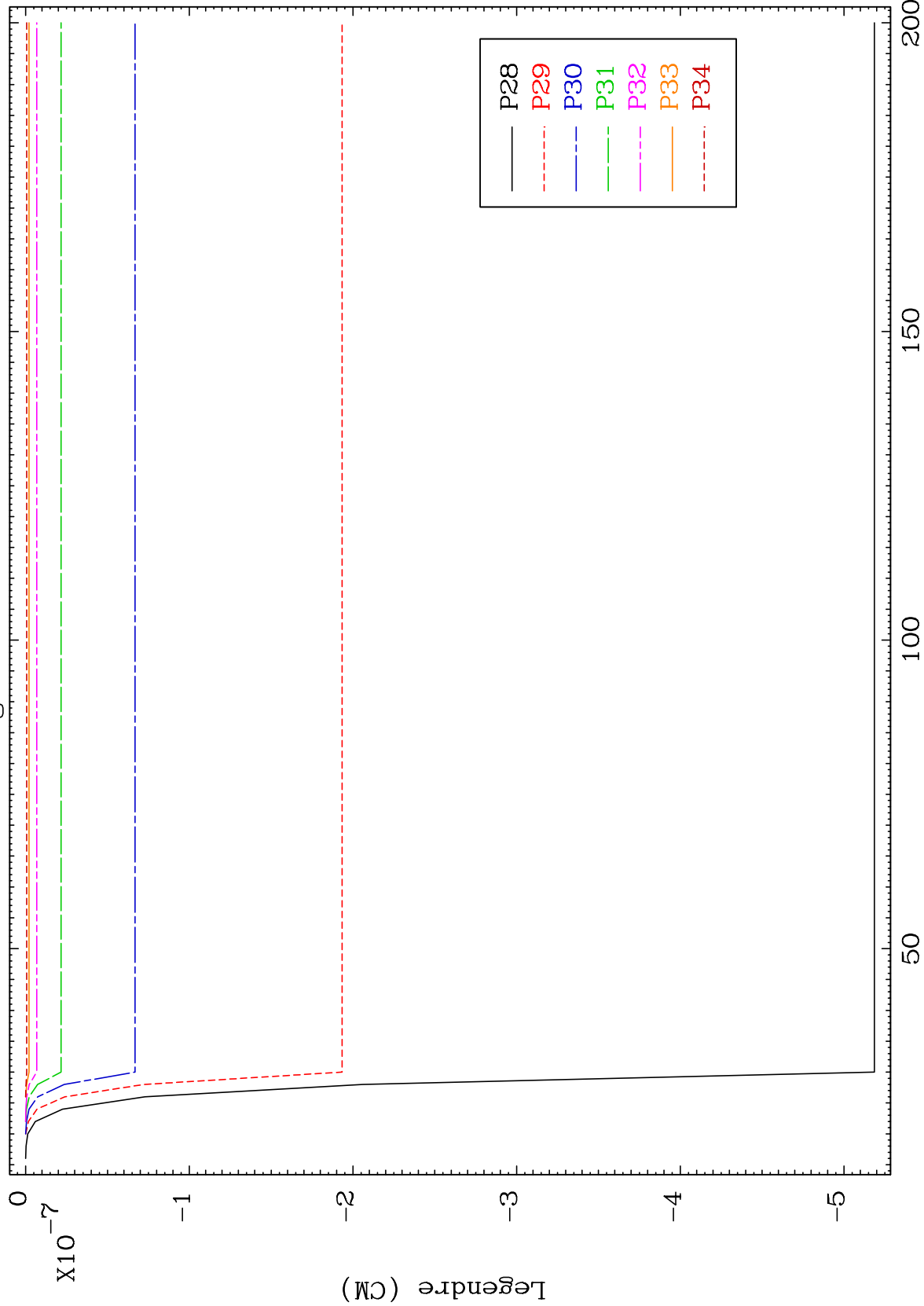


MAT 5219

MT= 70 (n,n') Level

52-Te-118

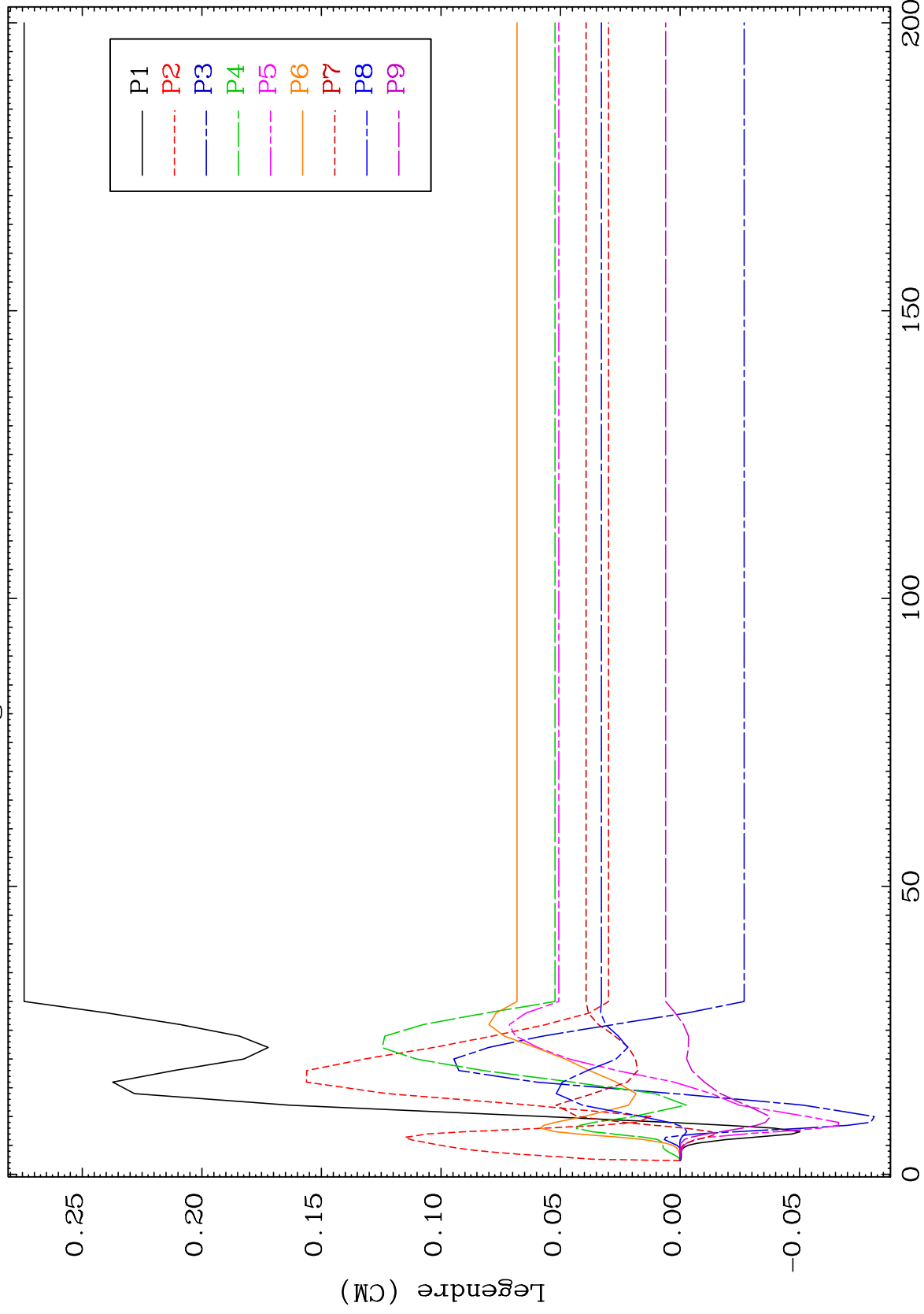
Legendre Coefficients



MAT 5219

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

52-Te-118



94

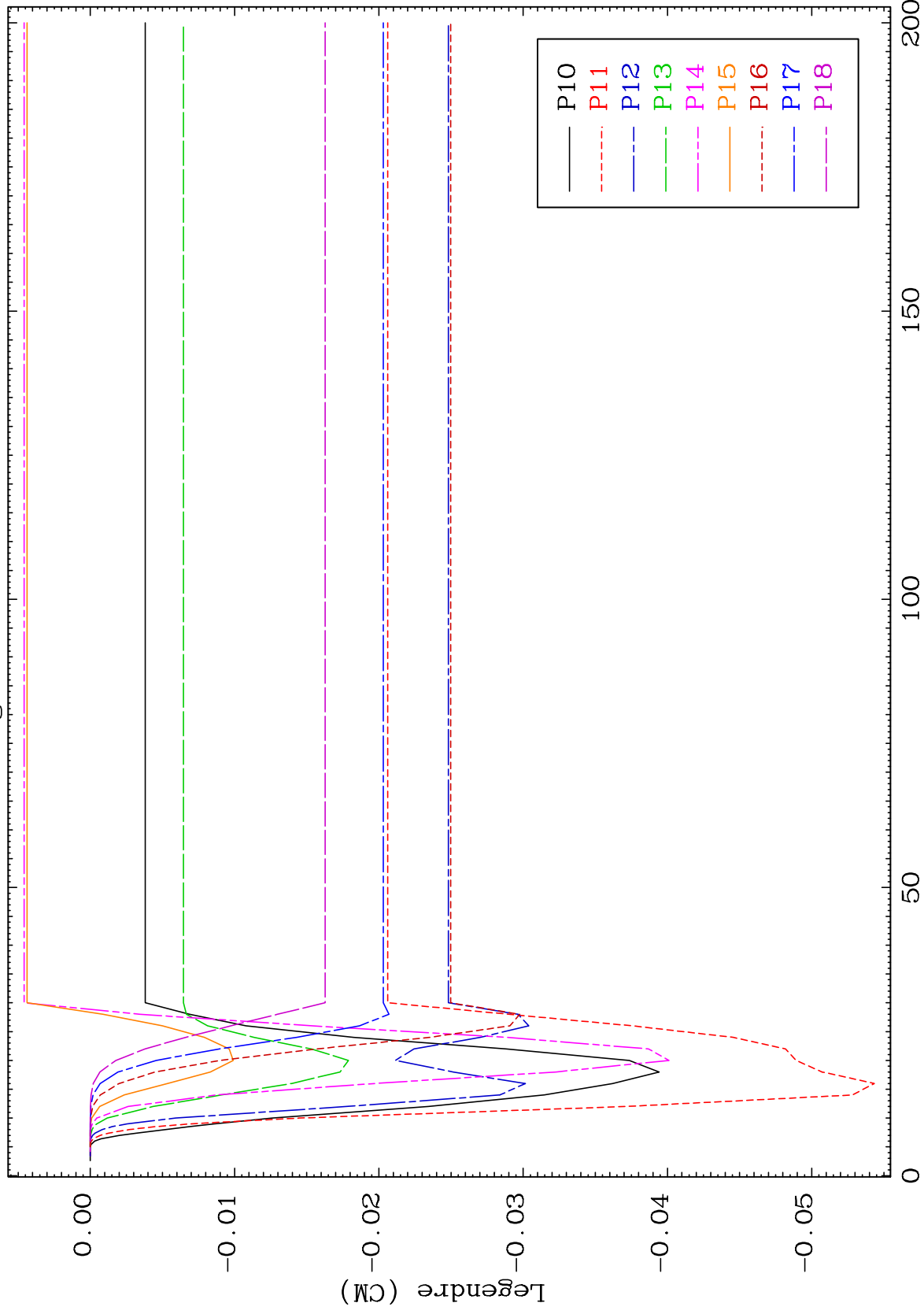
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118

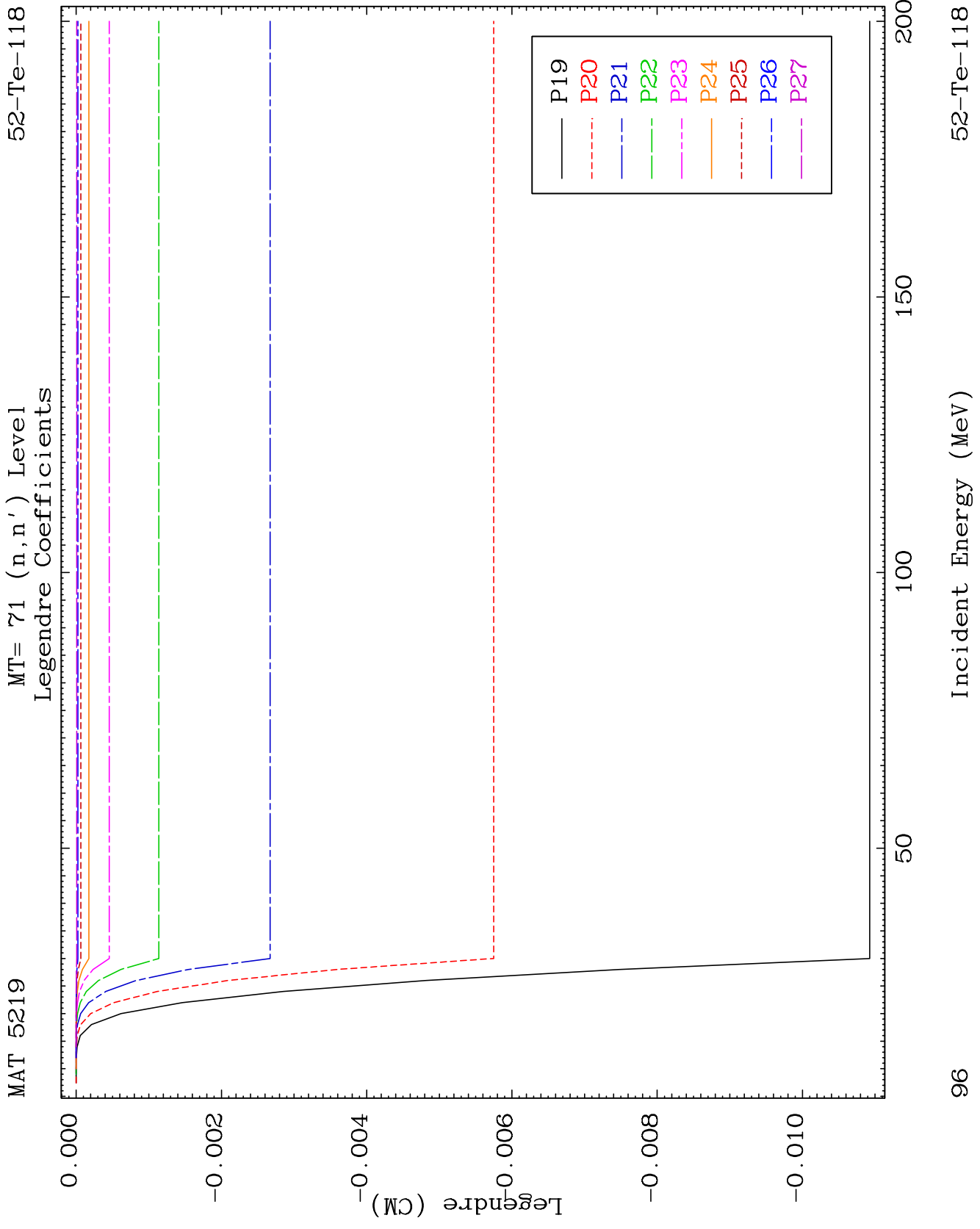


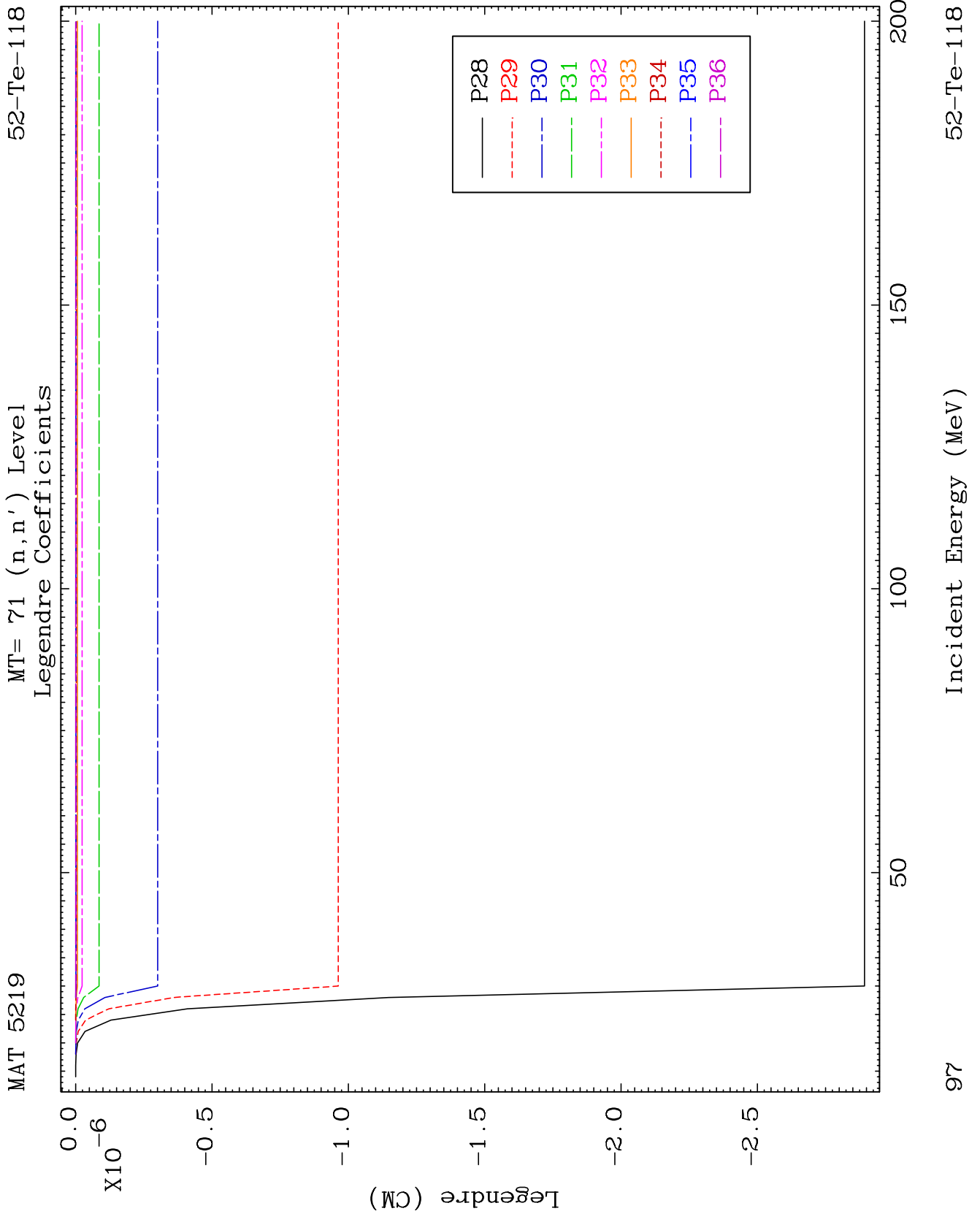
95

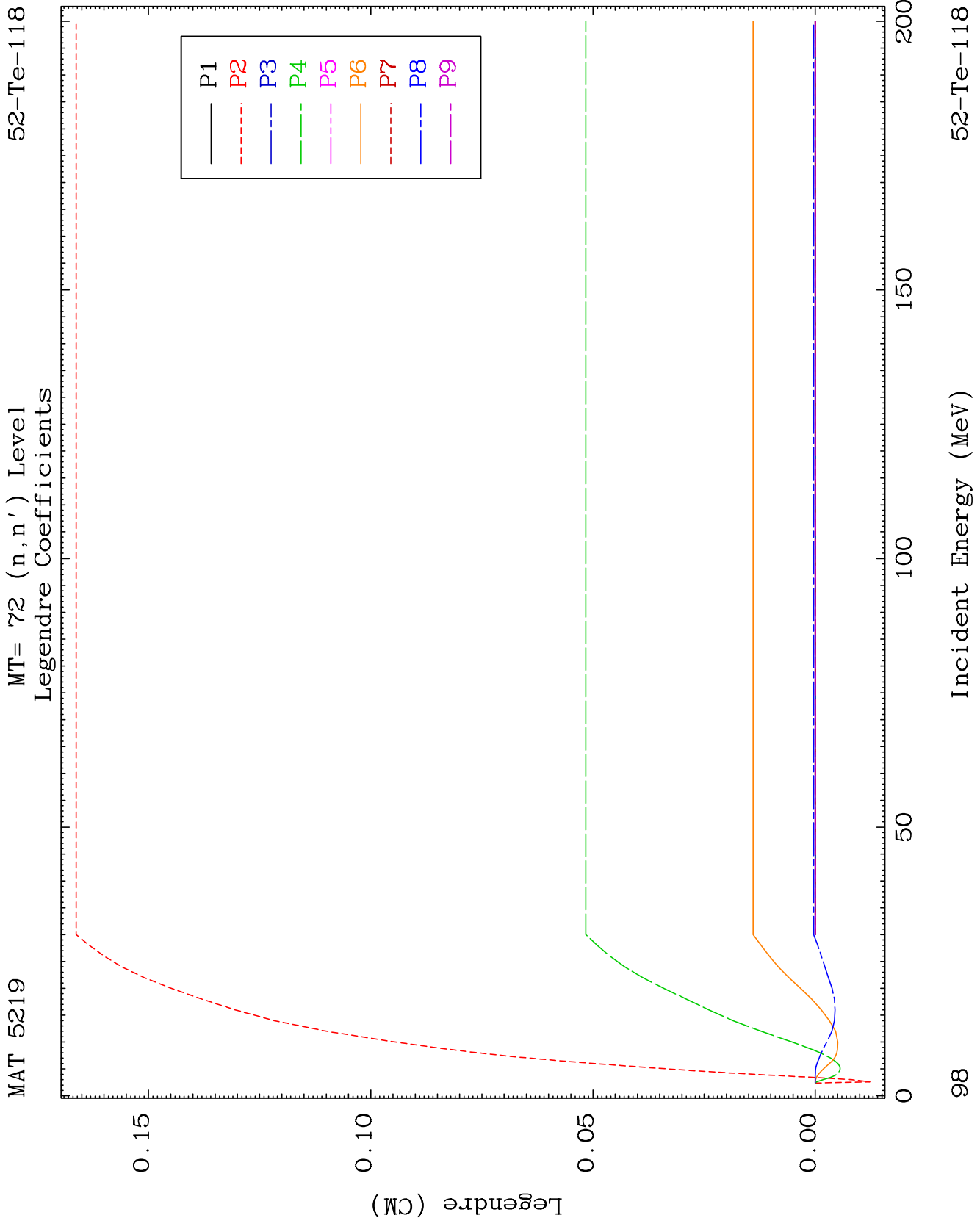
Incident Energy (MeV)

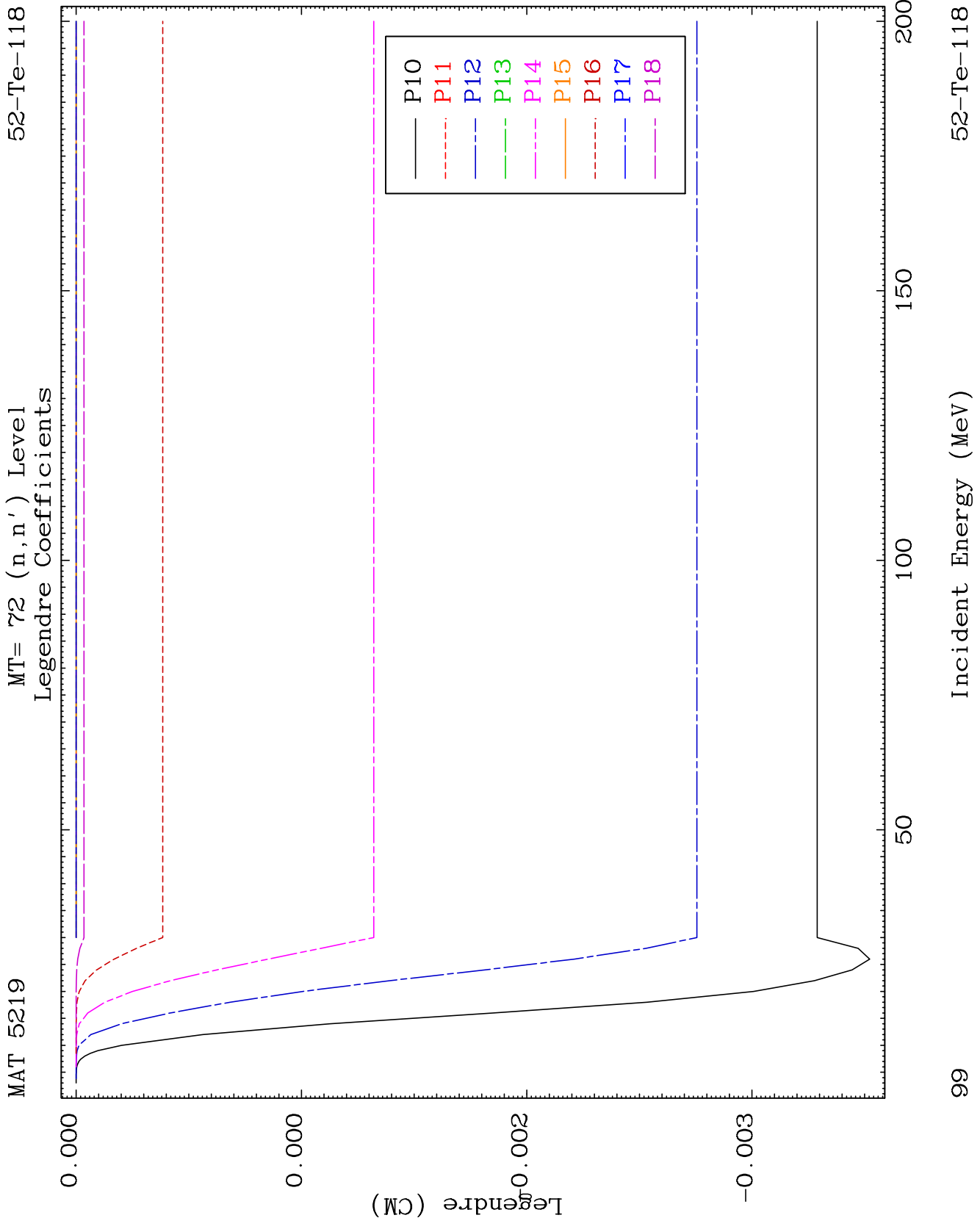
52-Te-118



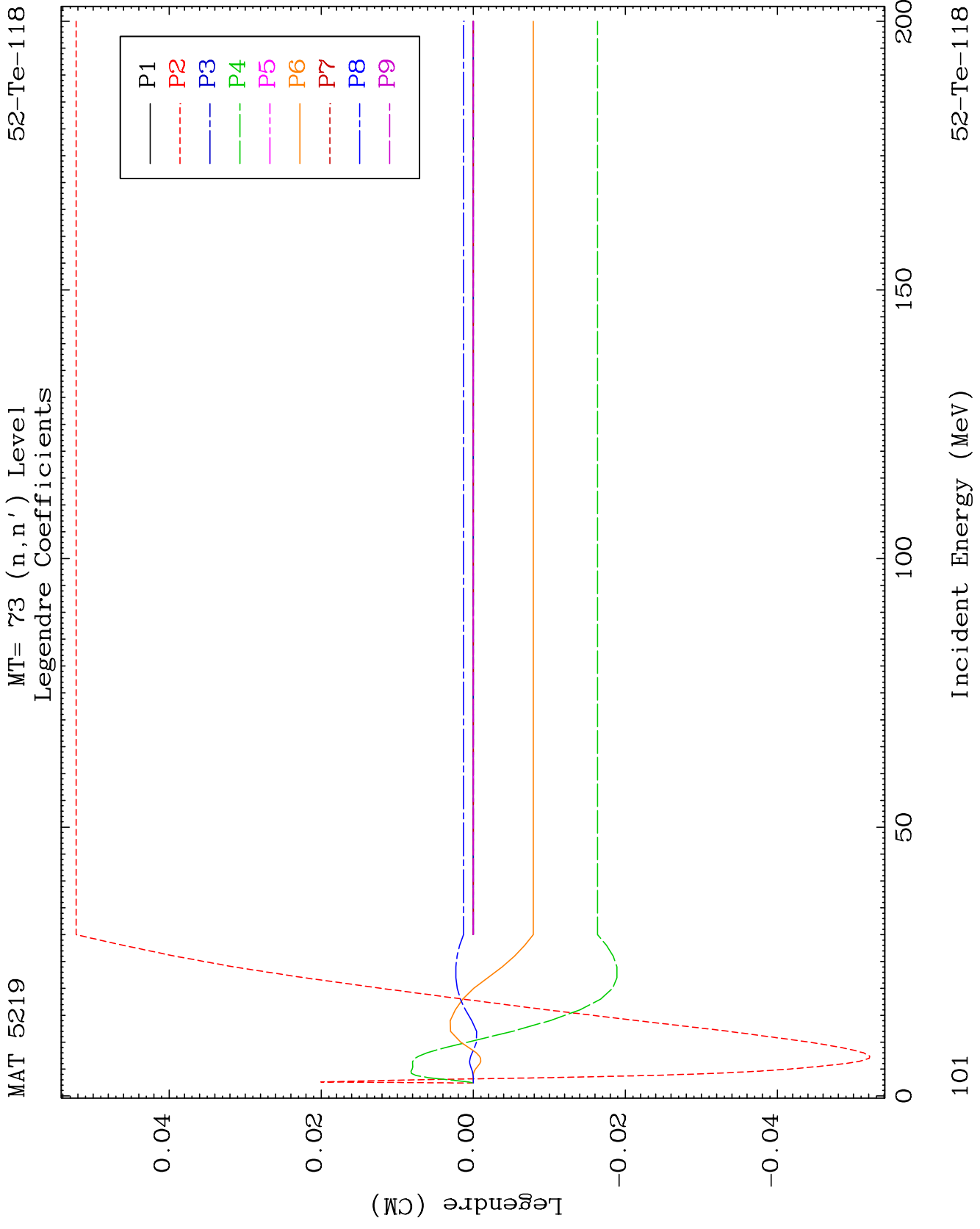








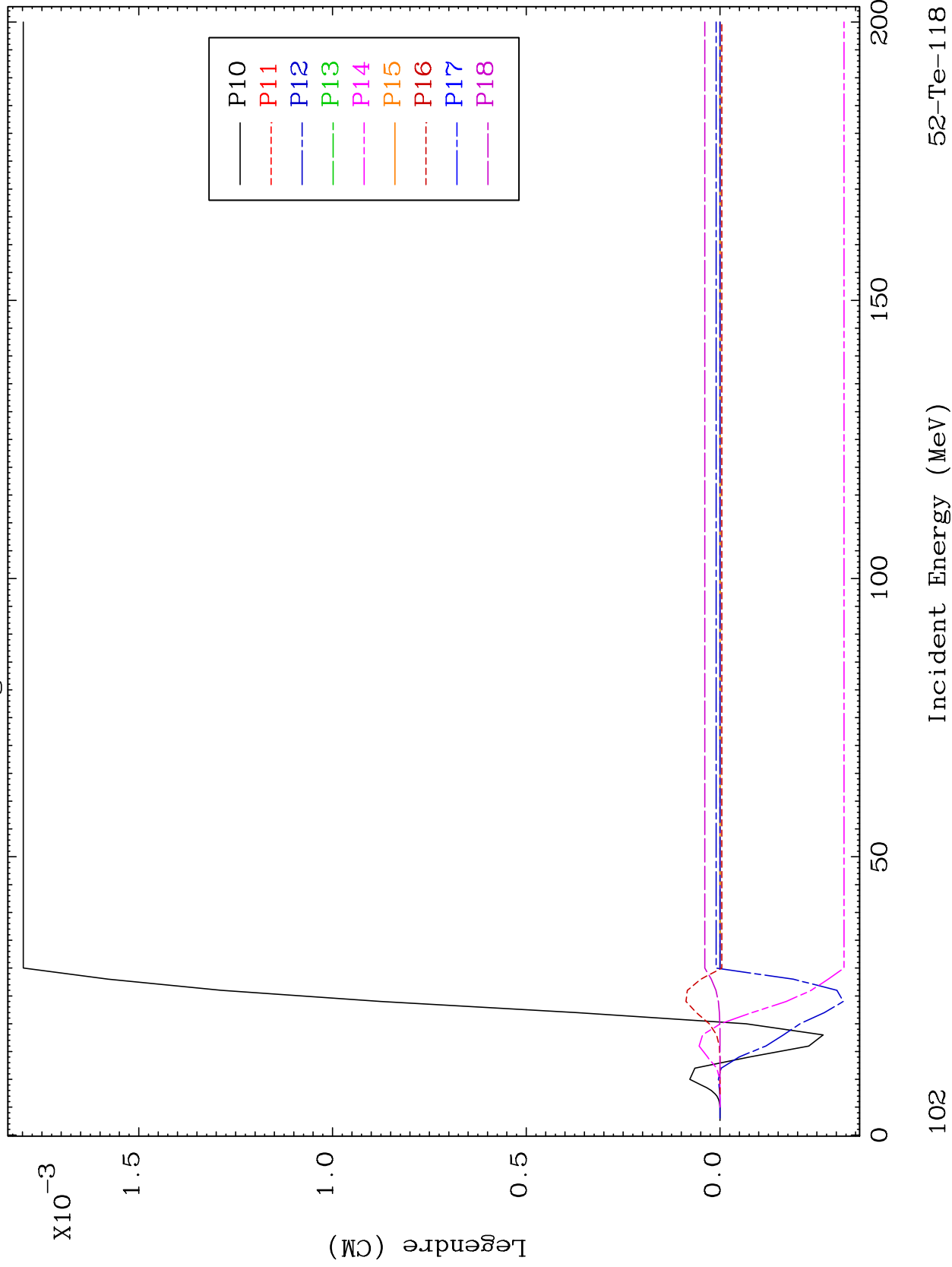




MAT 5219

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

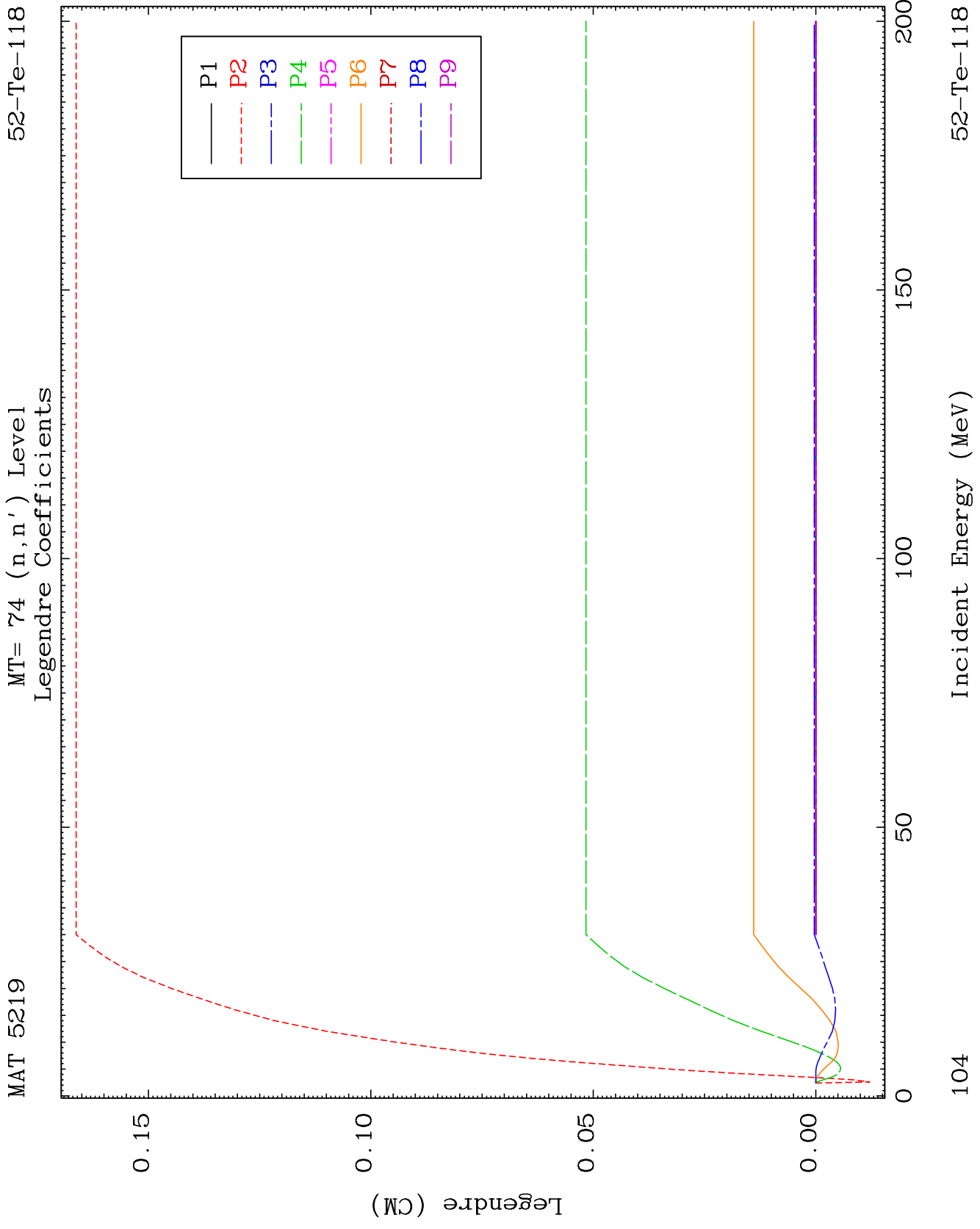
52-Te-118

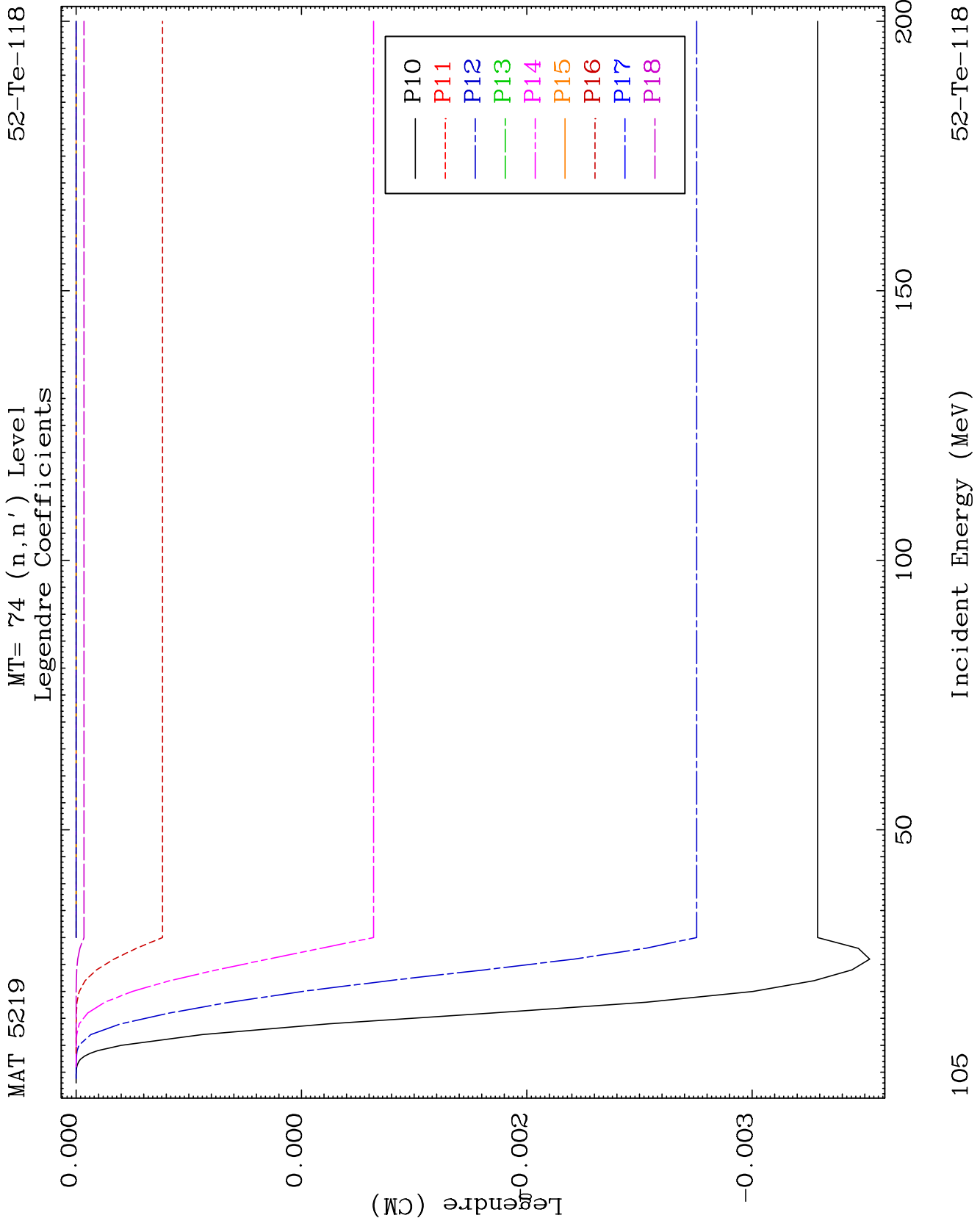


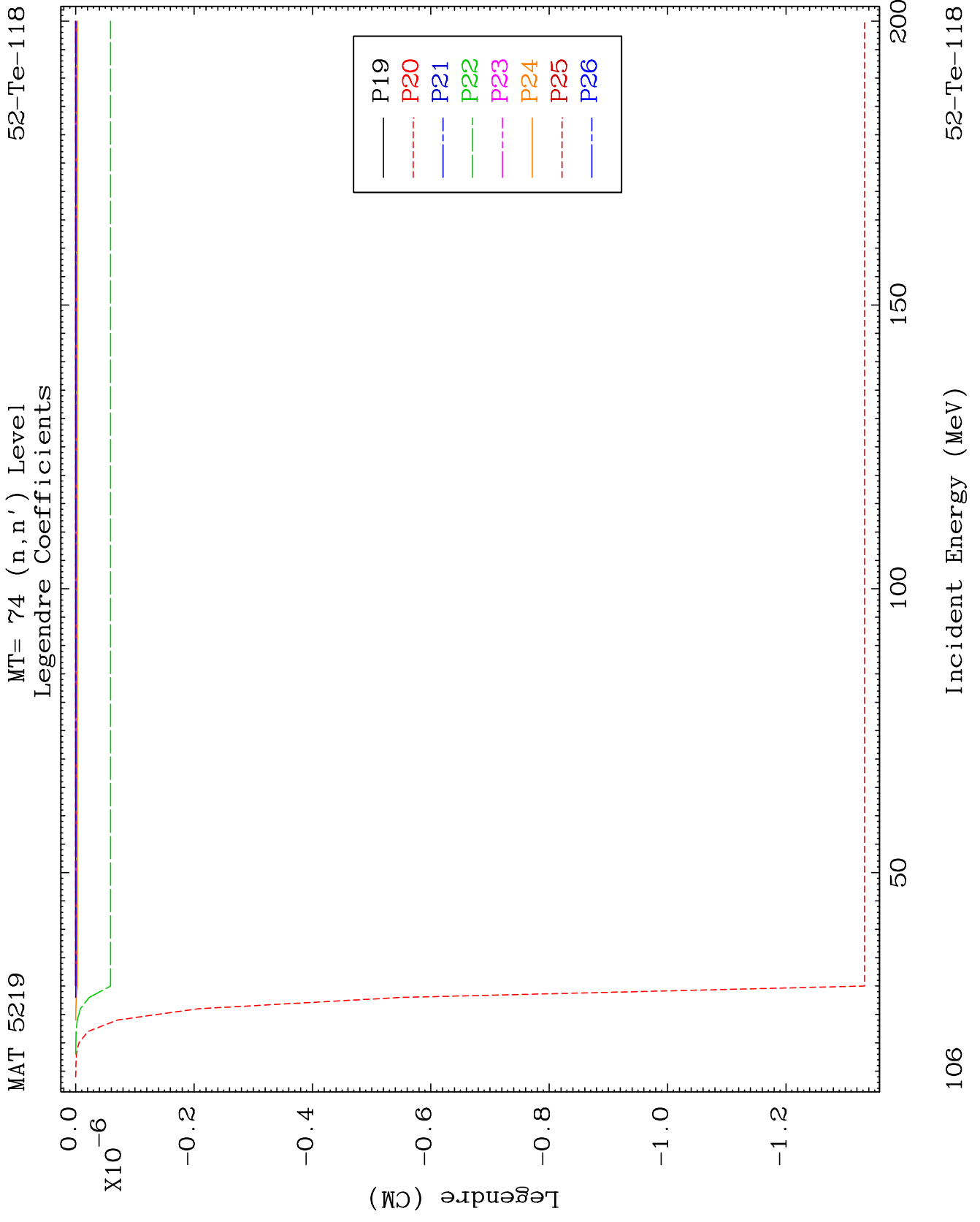
102







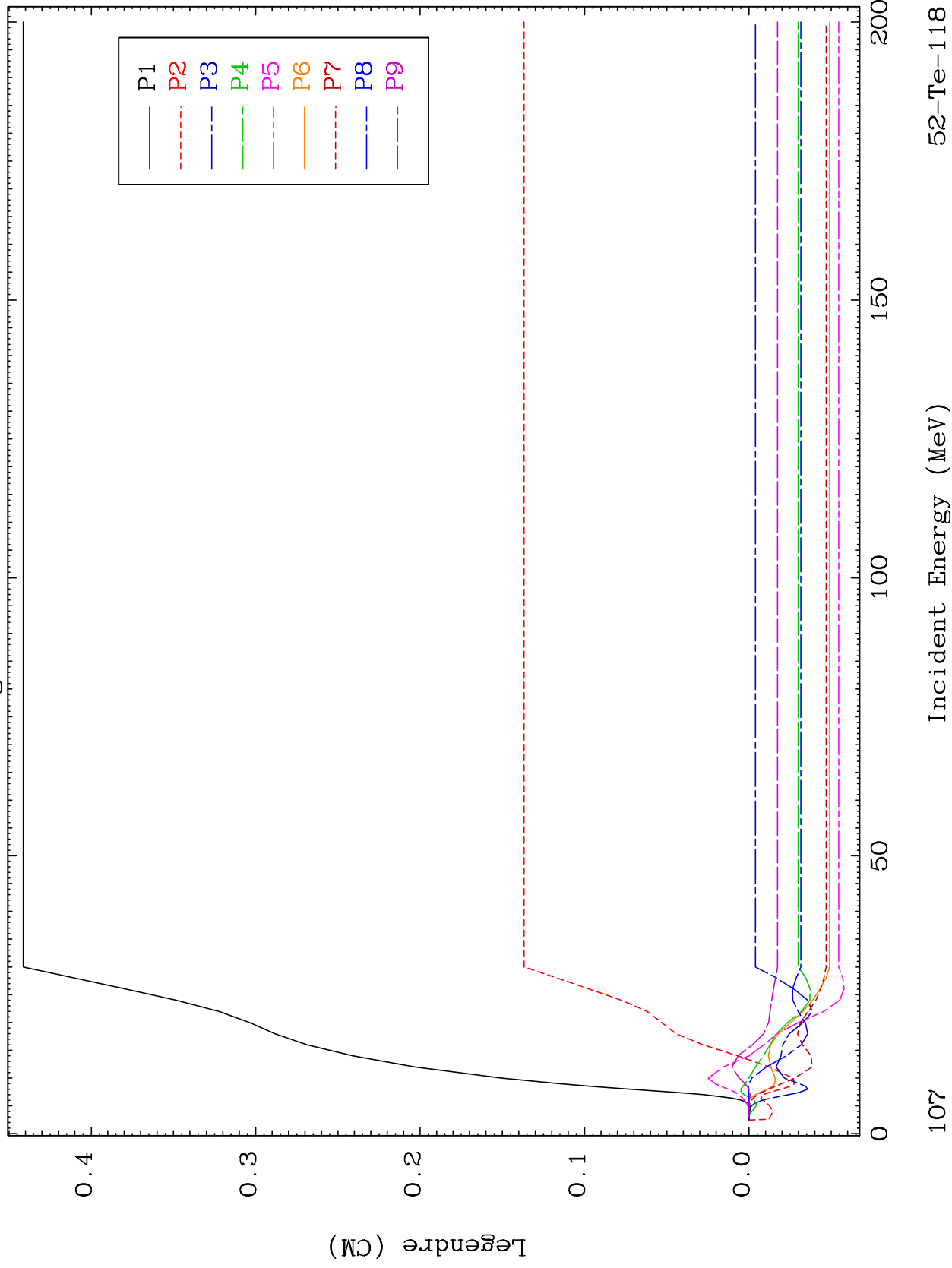




MAT 5219

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

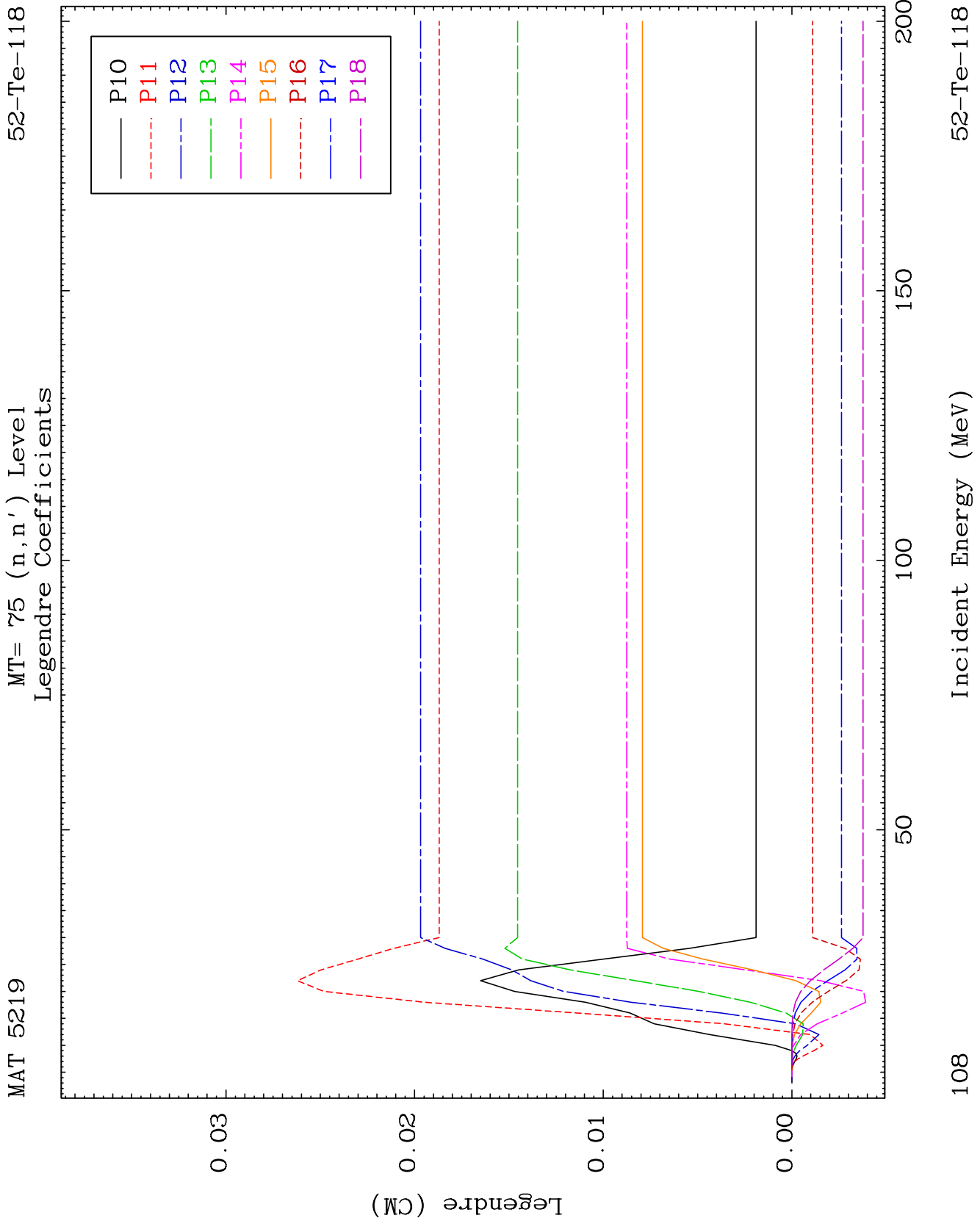
52-Te-118

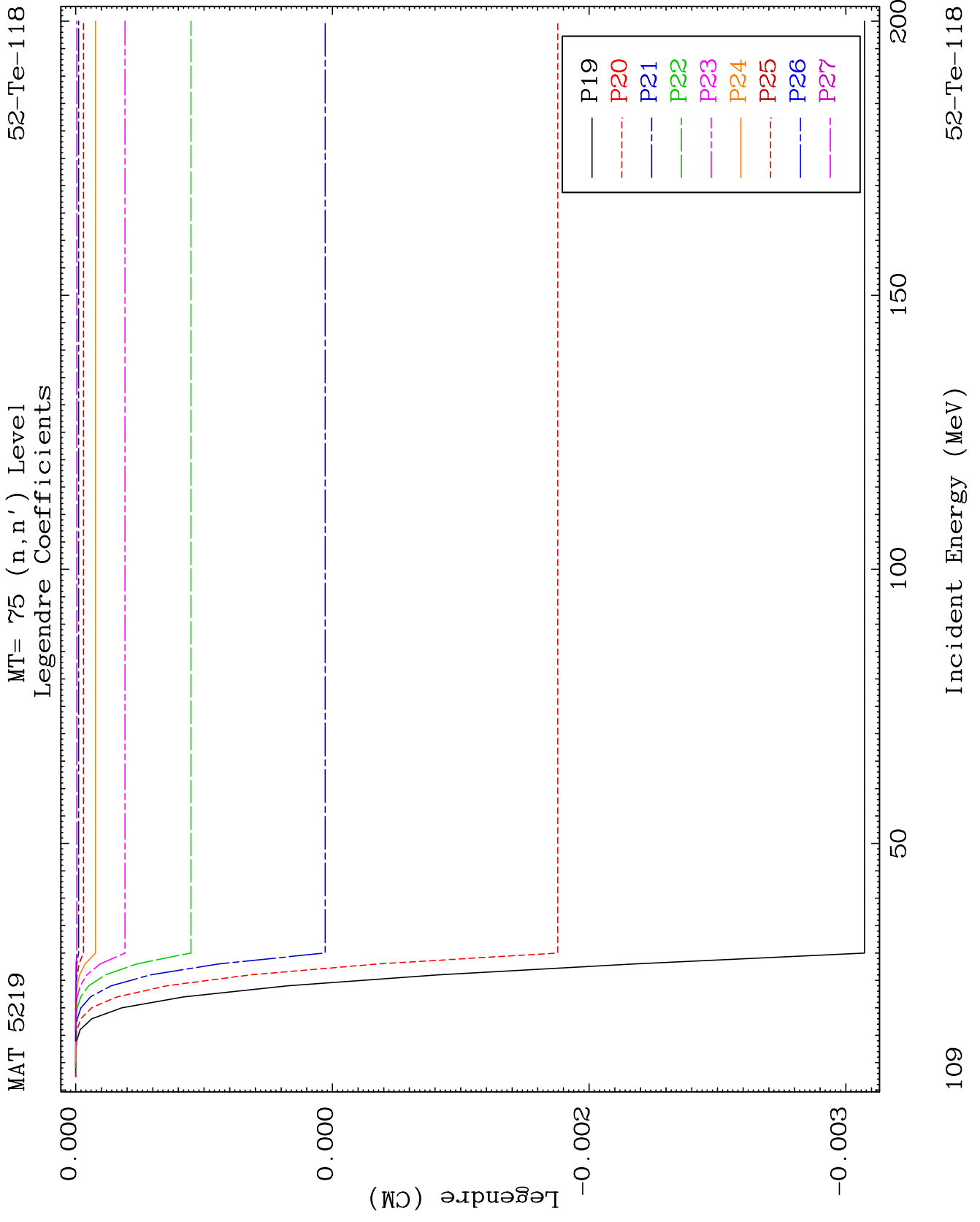


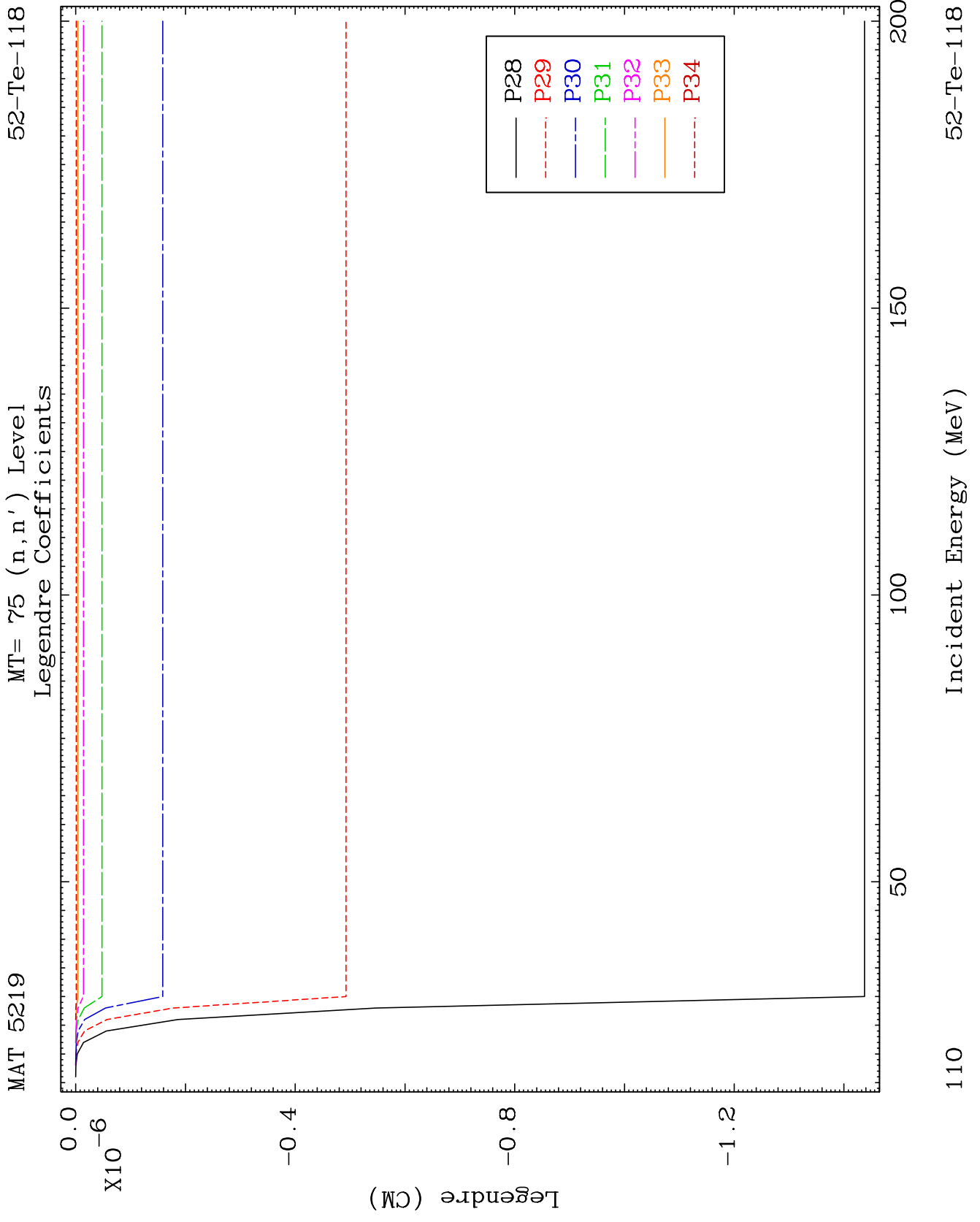
52-Te-118

Incident Energy (MeV)

107



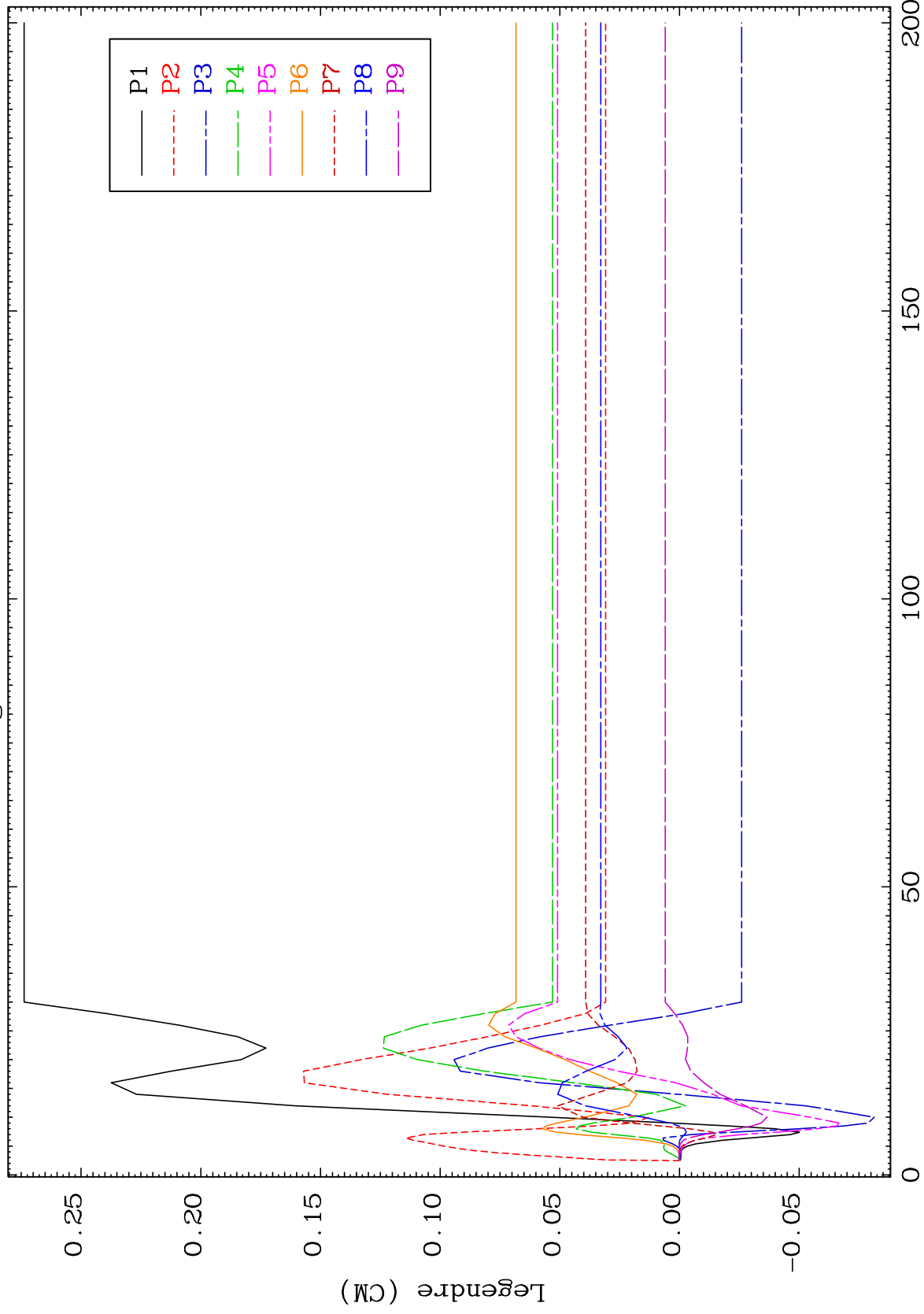




MAT 5219

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

52-Te-118



111

Incident Energy (MeV)

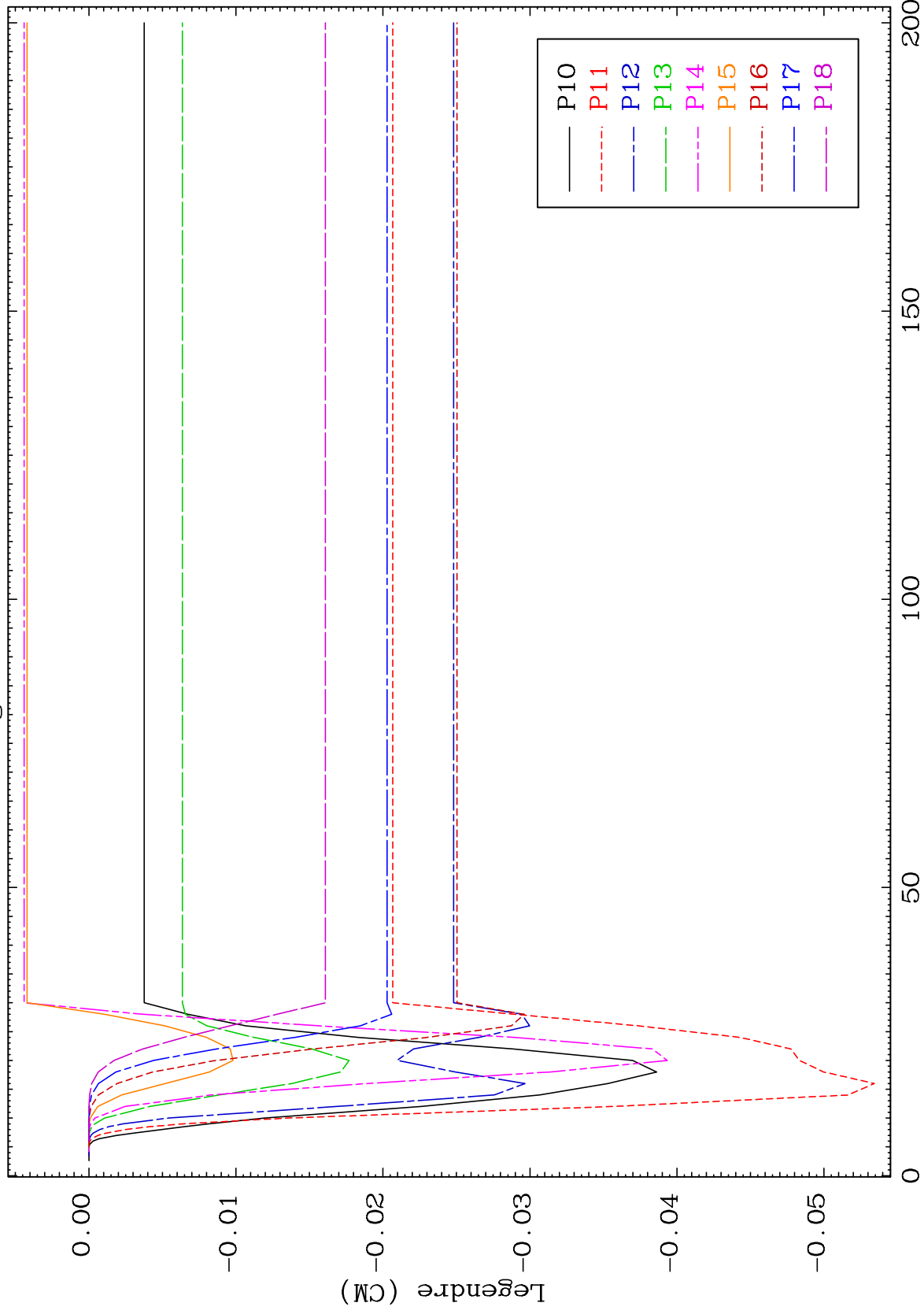
52-Te-118



MAT 5219

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

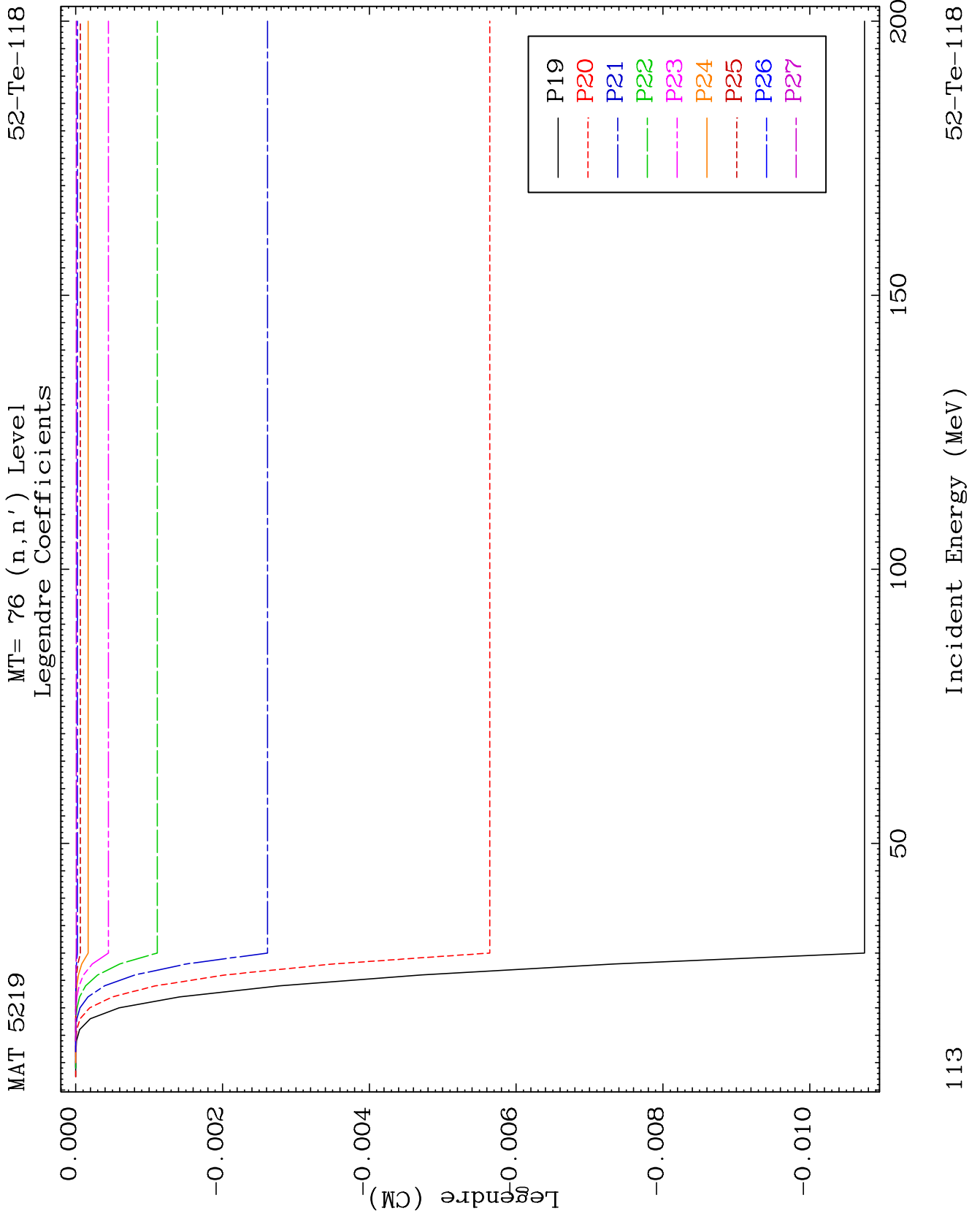
52-Te-118

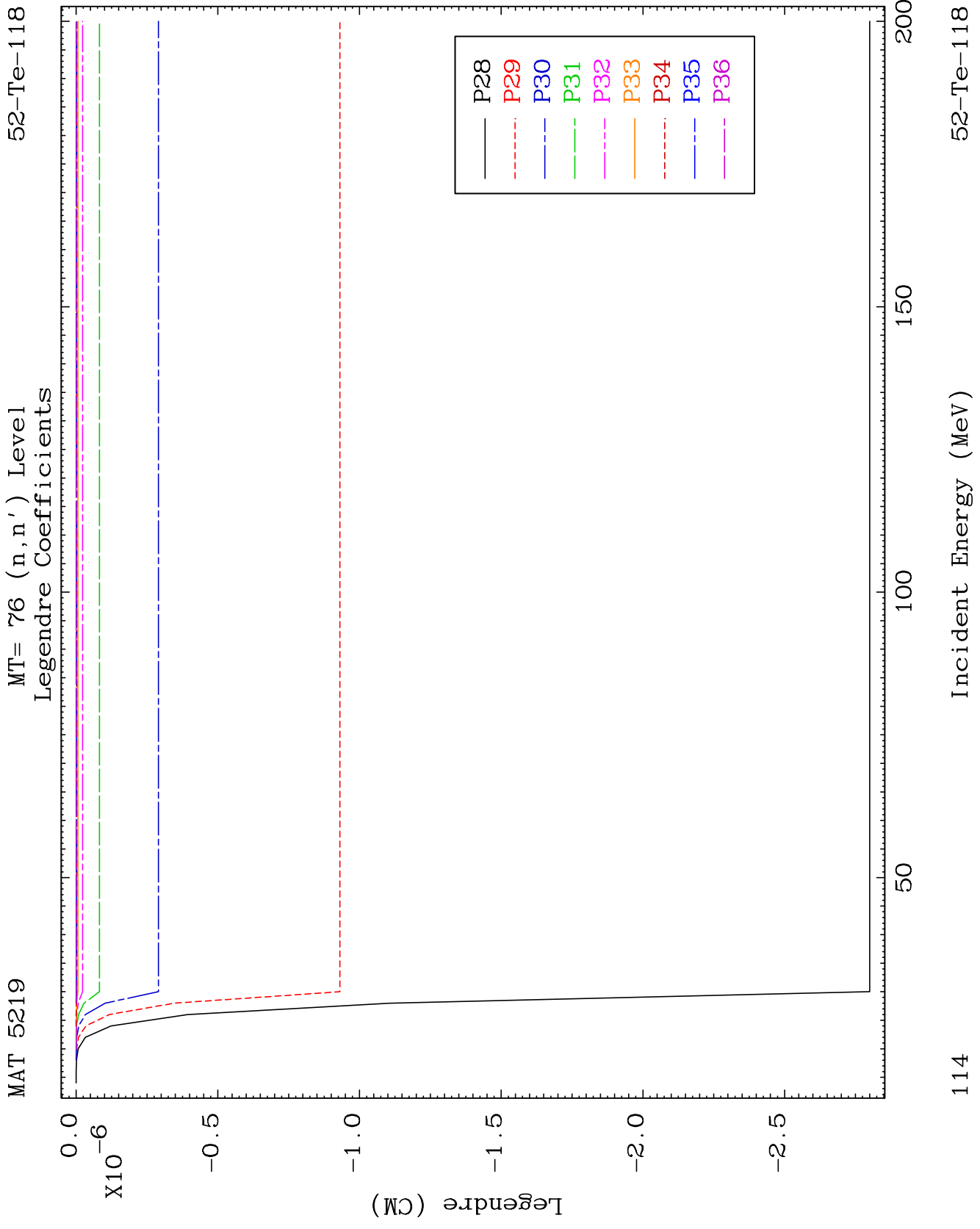


112

Incident Energy (MeV)

52-Te-118

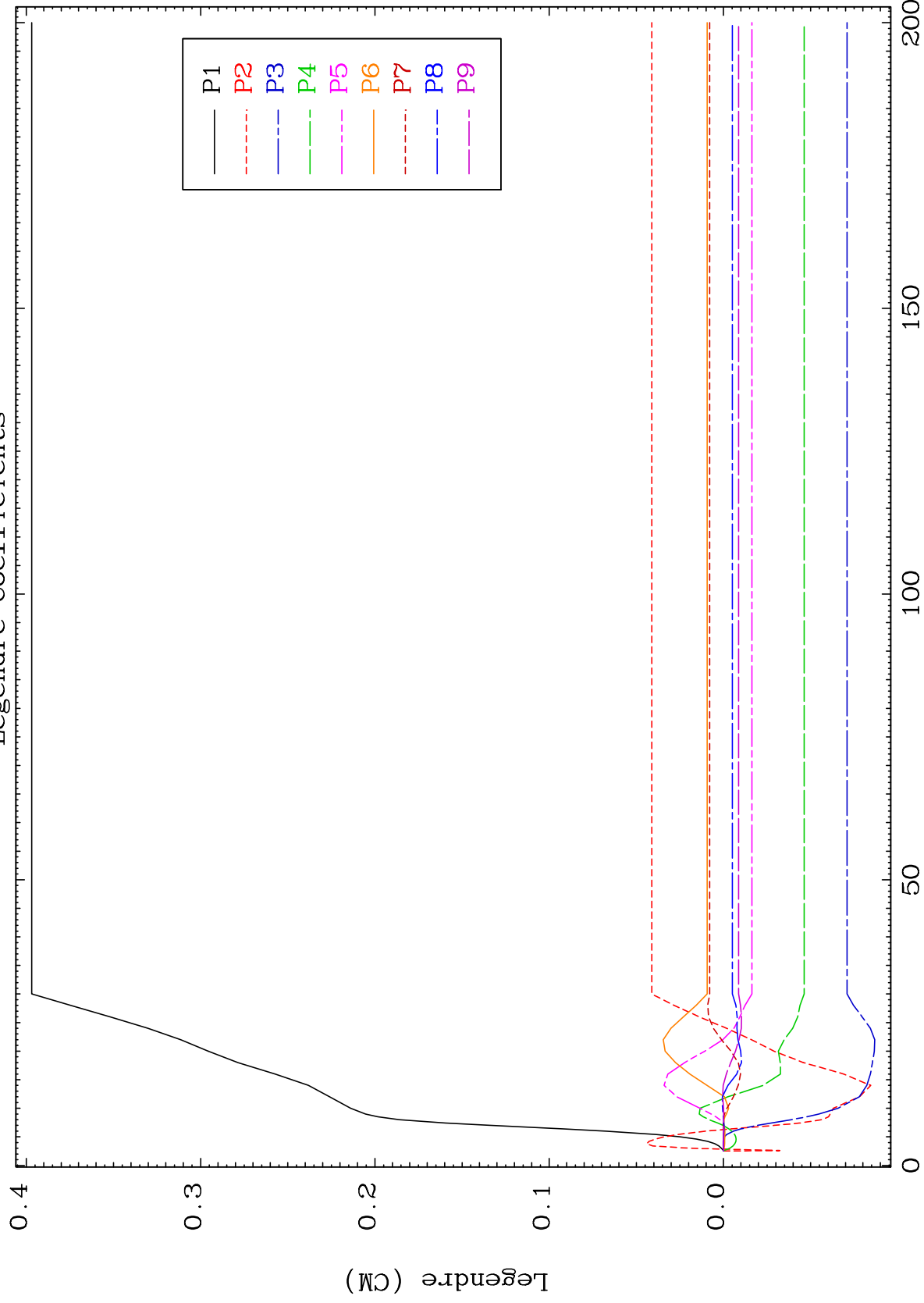




MAT 5219

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

52-Te-118



115

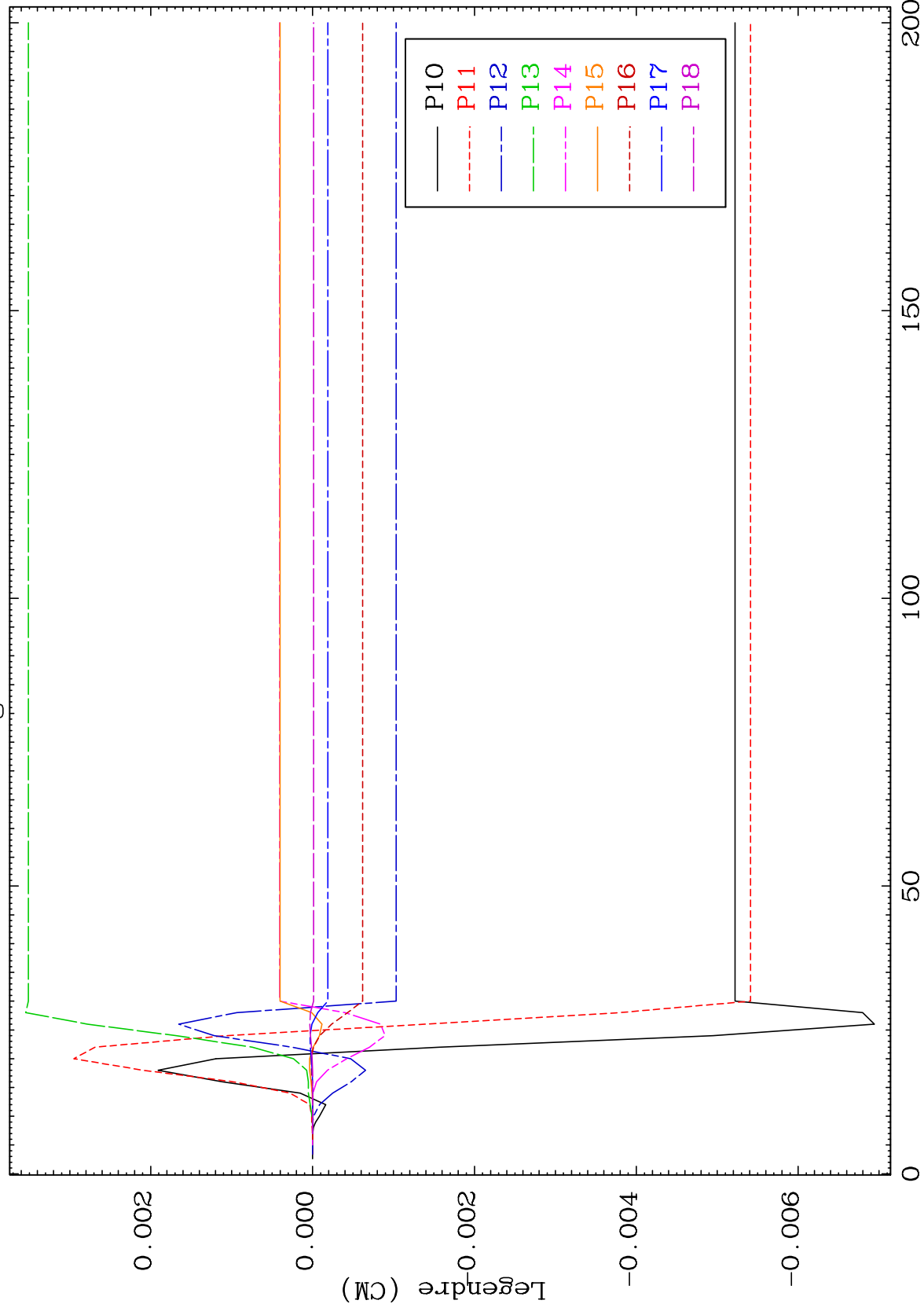
Incident Energy (MeV)

52-Te-118

MAT 5219

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

52-Te-118



116

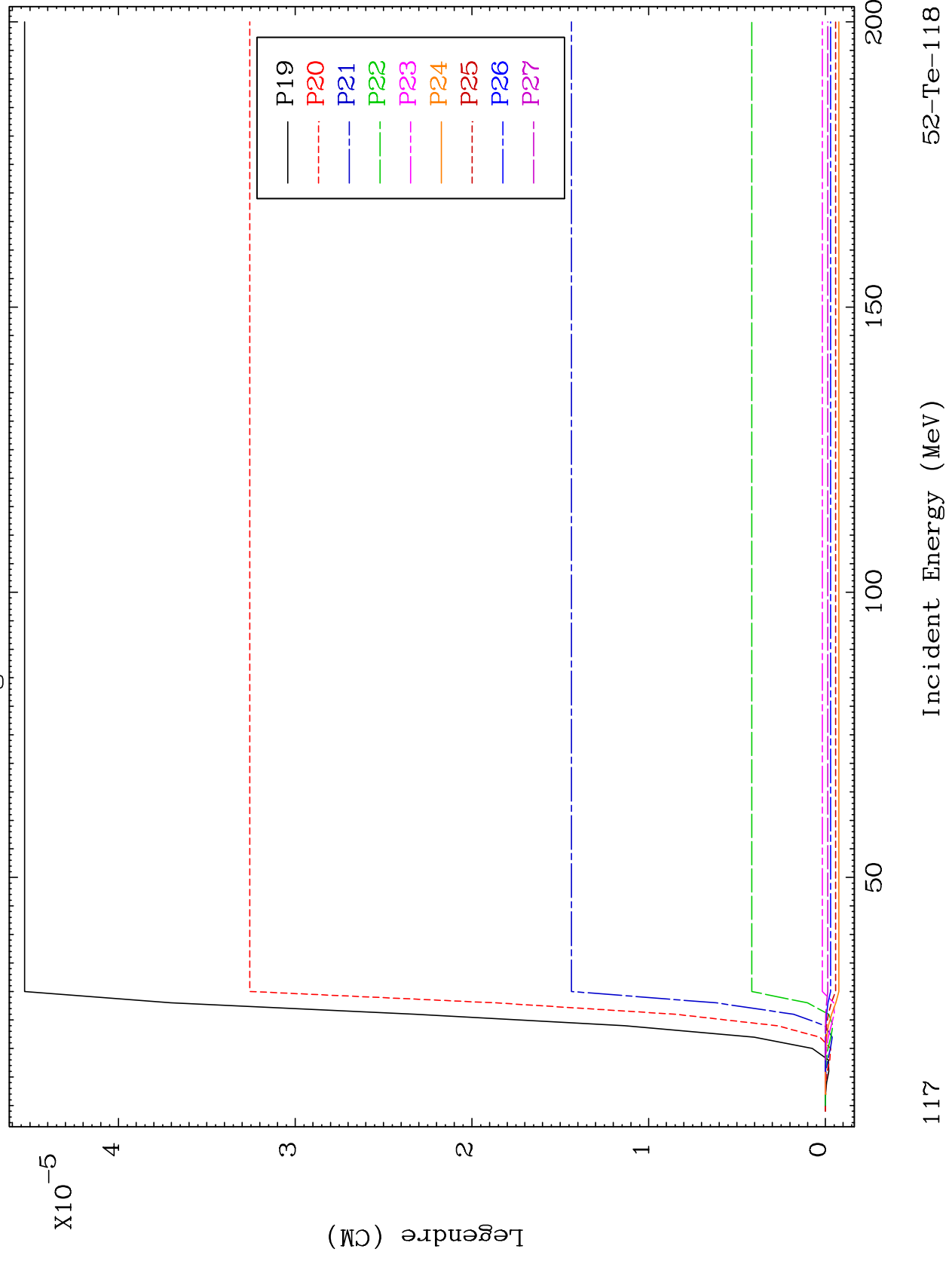
Incident Energy (MeV)

52-Te-118

MAT 5219

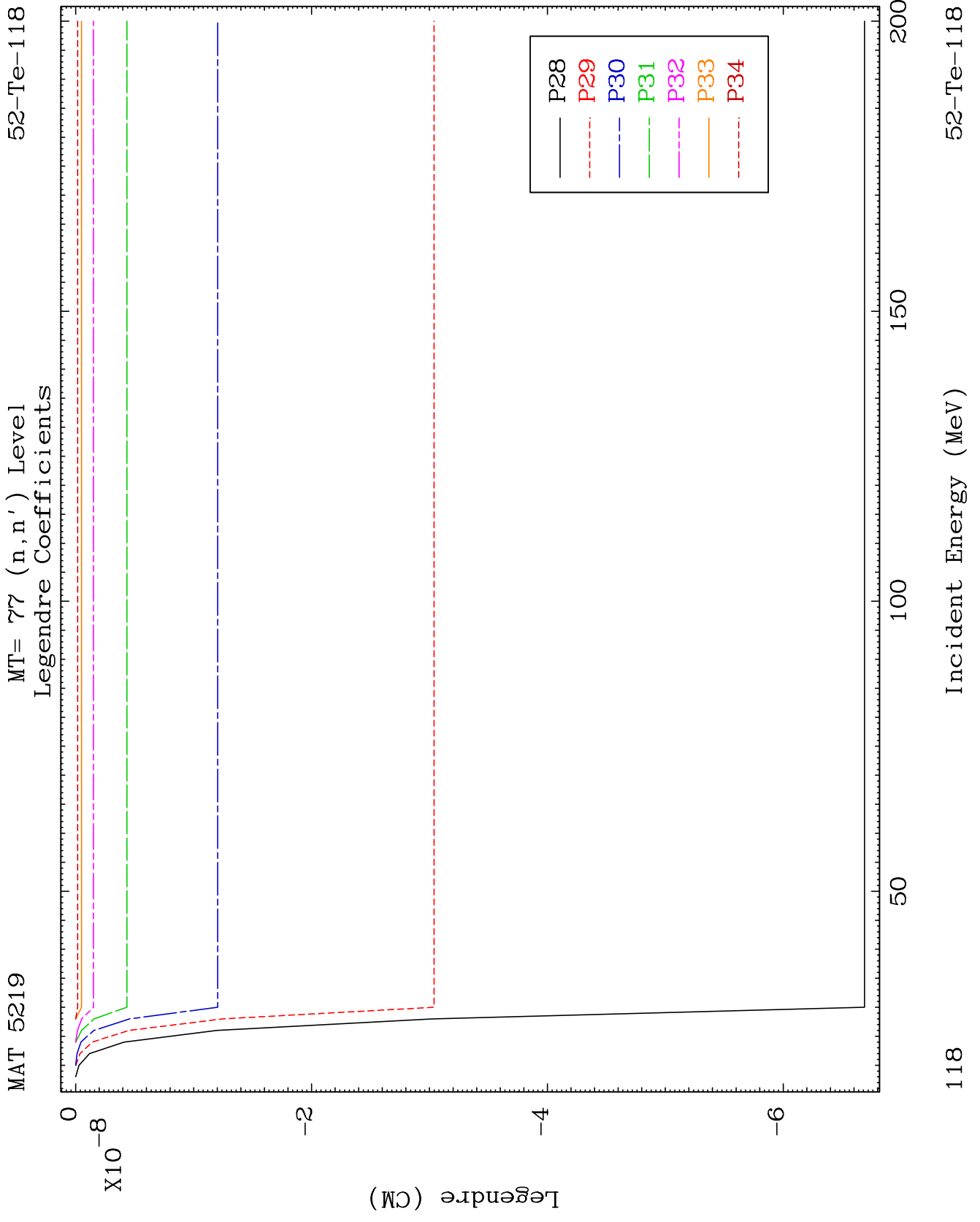
MT= 77 (n,n') Level  
Legendre Coefficients

52-Te-118



117

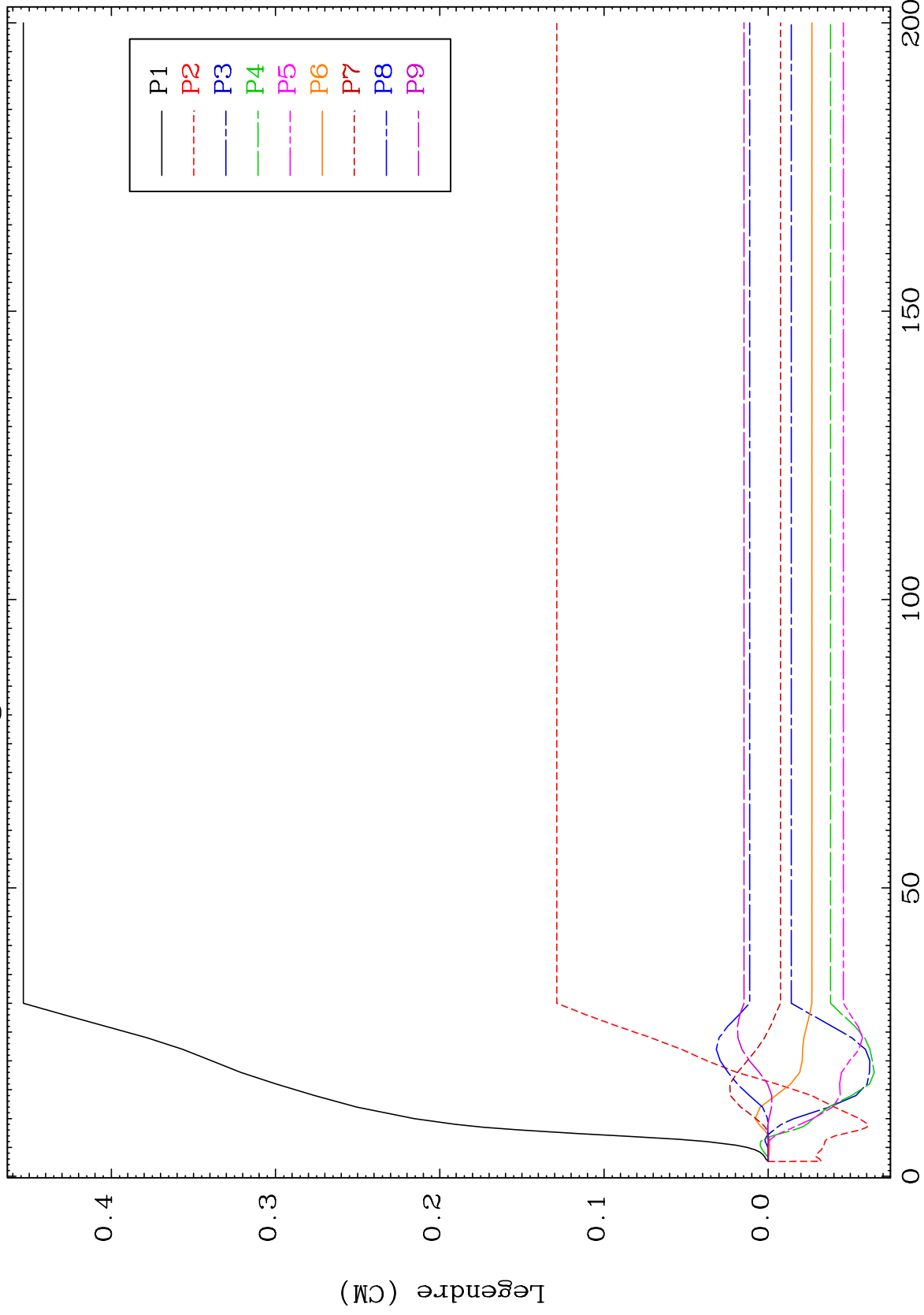
52-Te-118



MAT 5219

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

52-Te-118



119

Incident Energy (MeV)

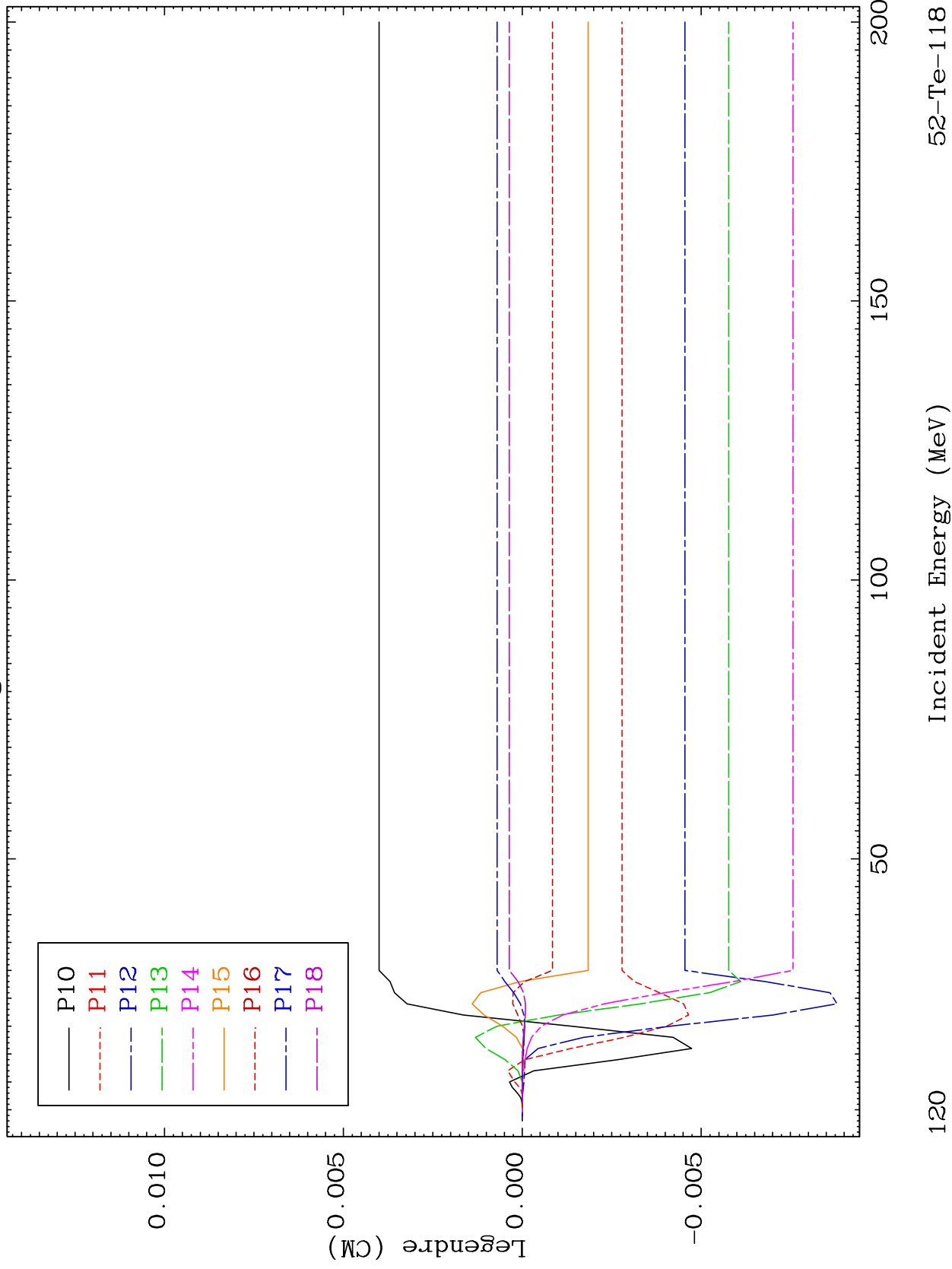
52-Te-118



MAT 5219

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

52-Te-118



120

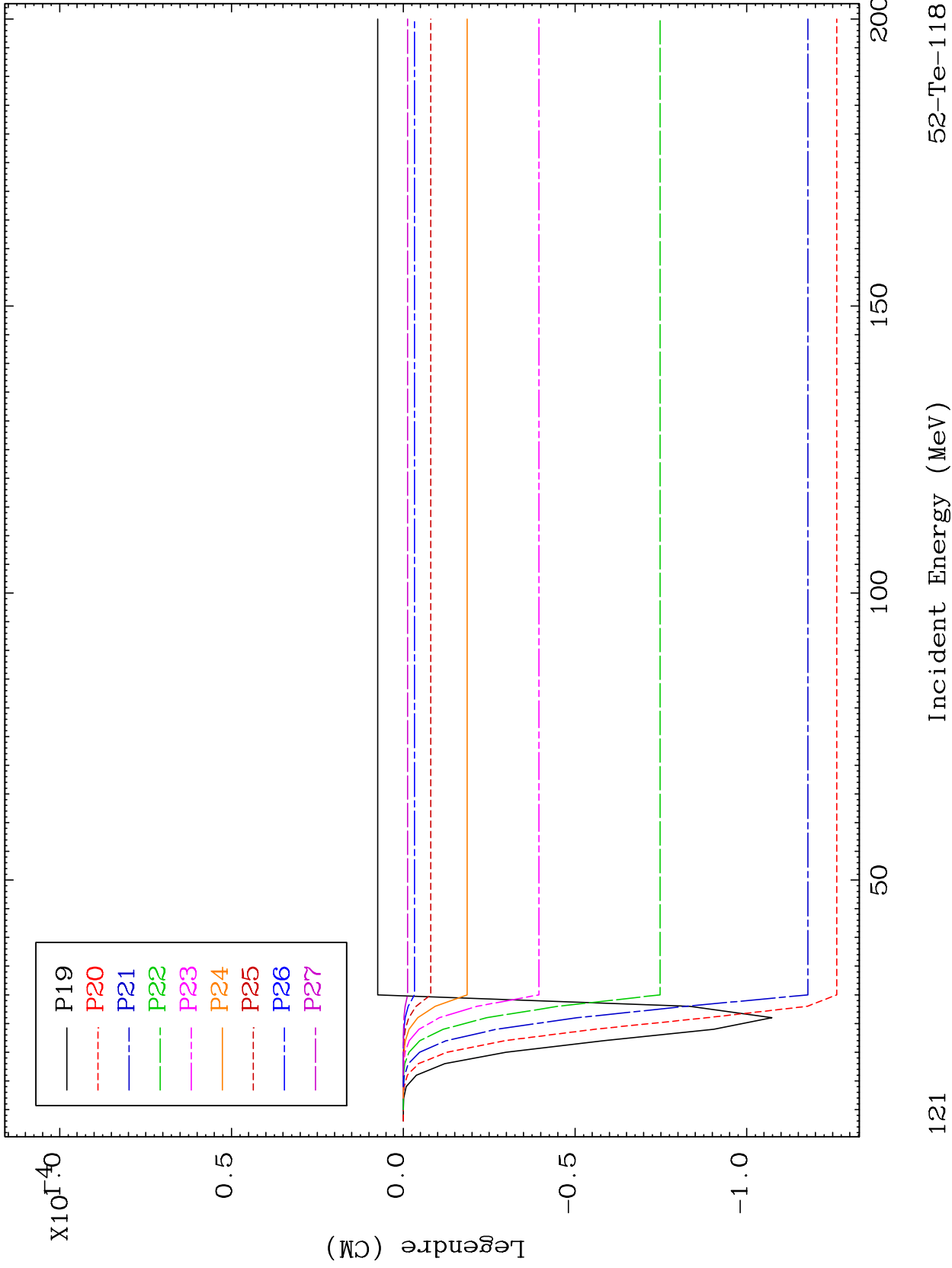
Incident Energy (MeV)

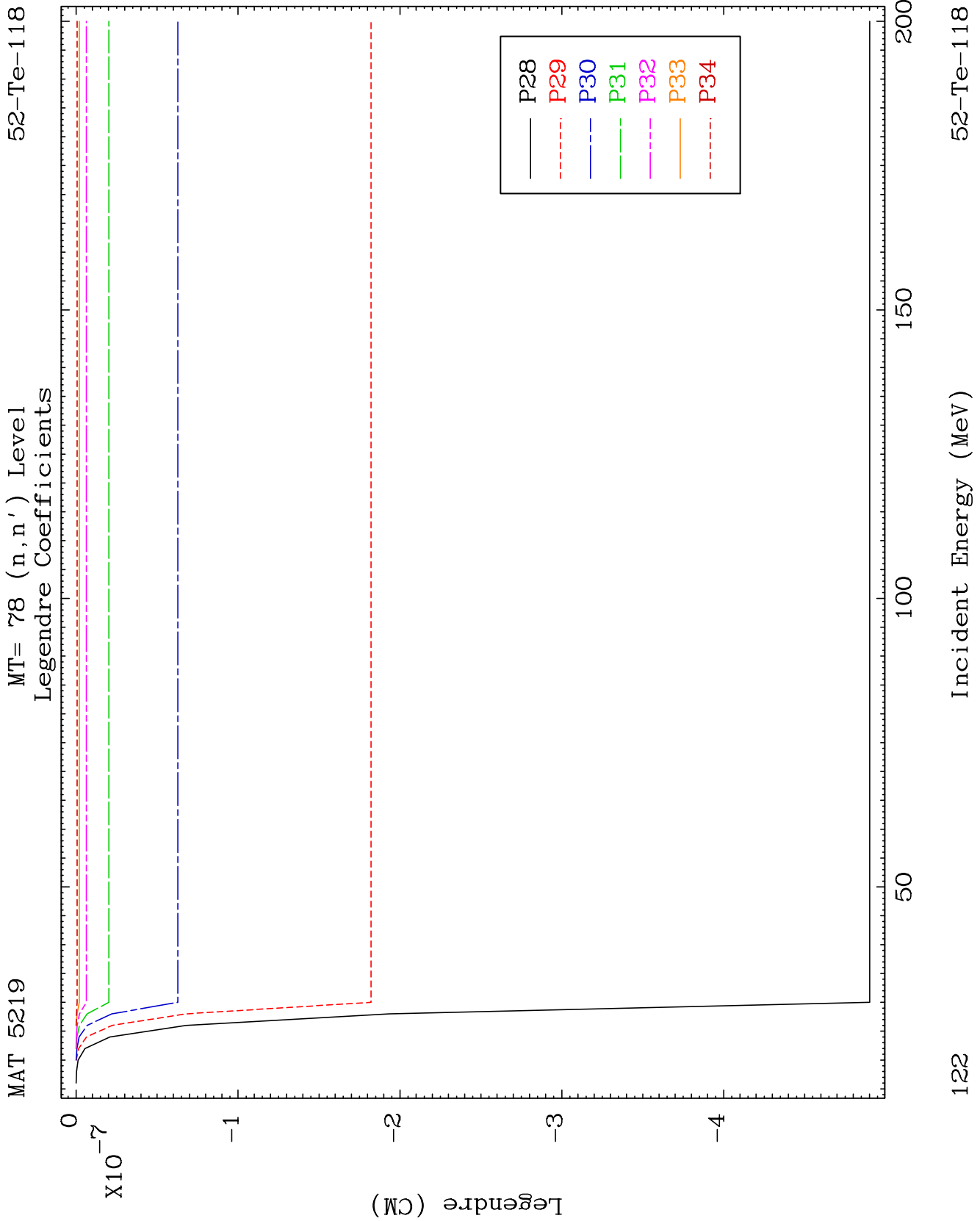
52-Te-118

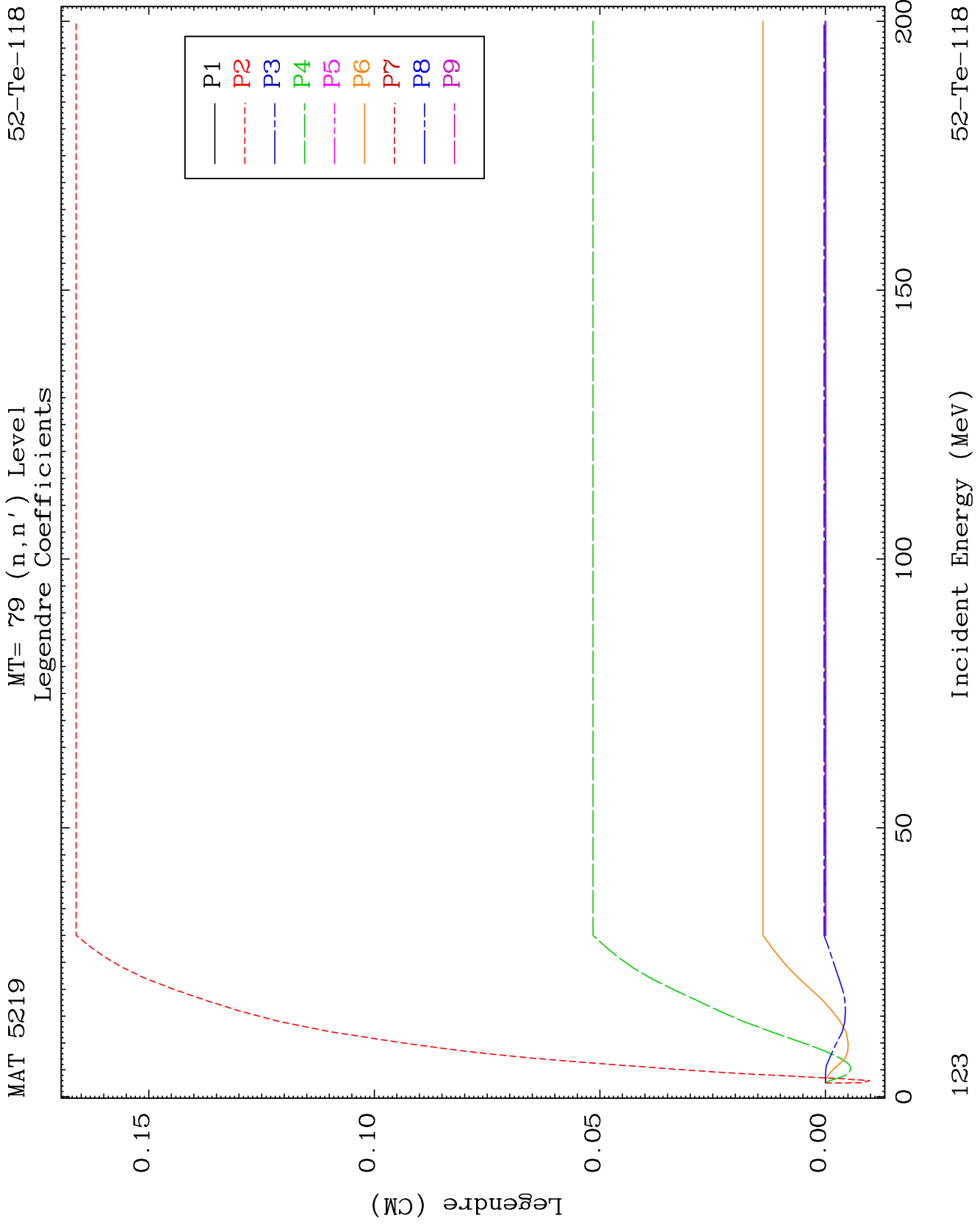
MAT 5219

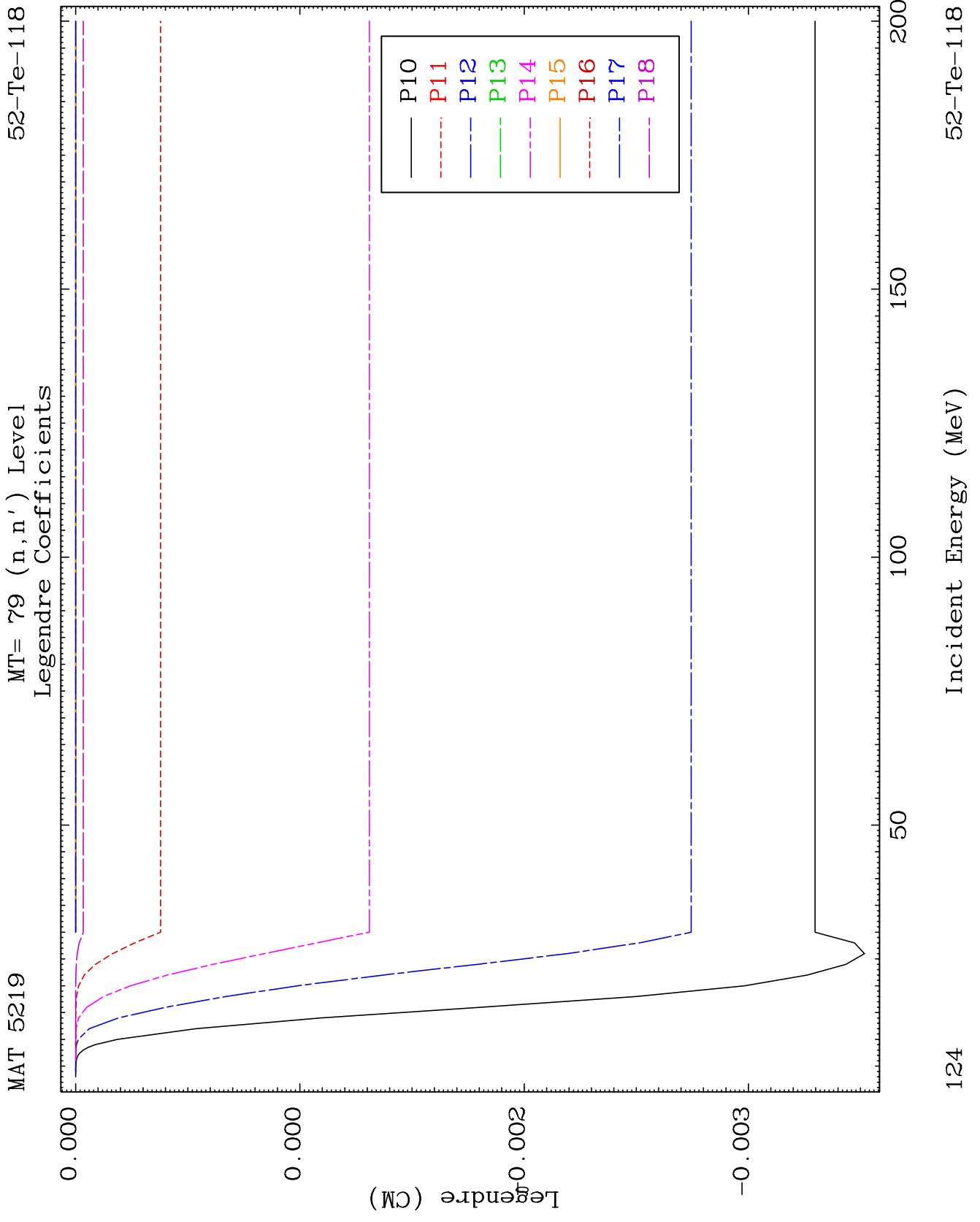
MT= 78 (n,n') Level  
Legendre Coefficients

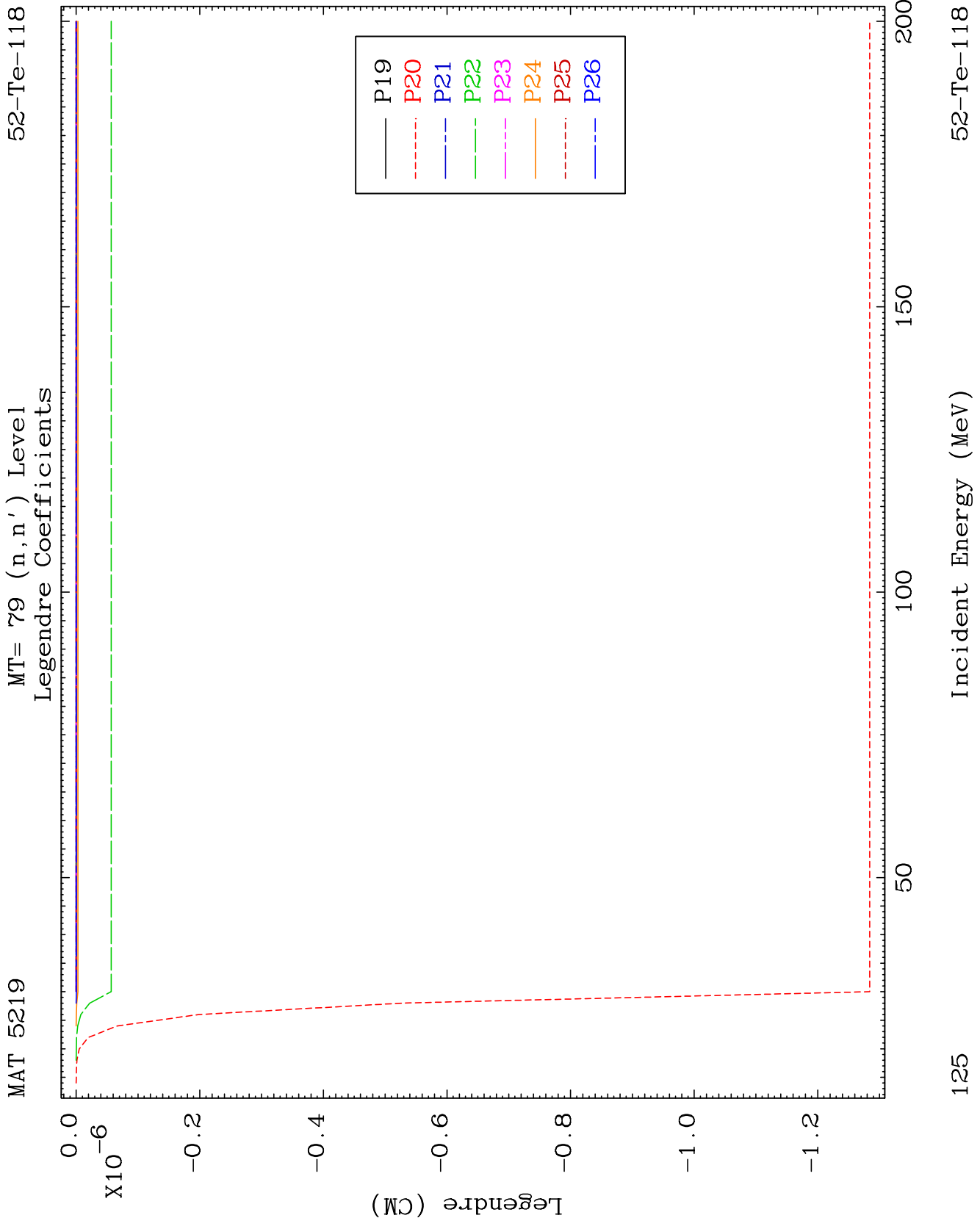
52-Te-118







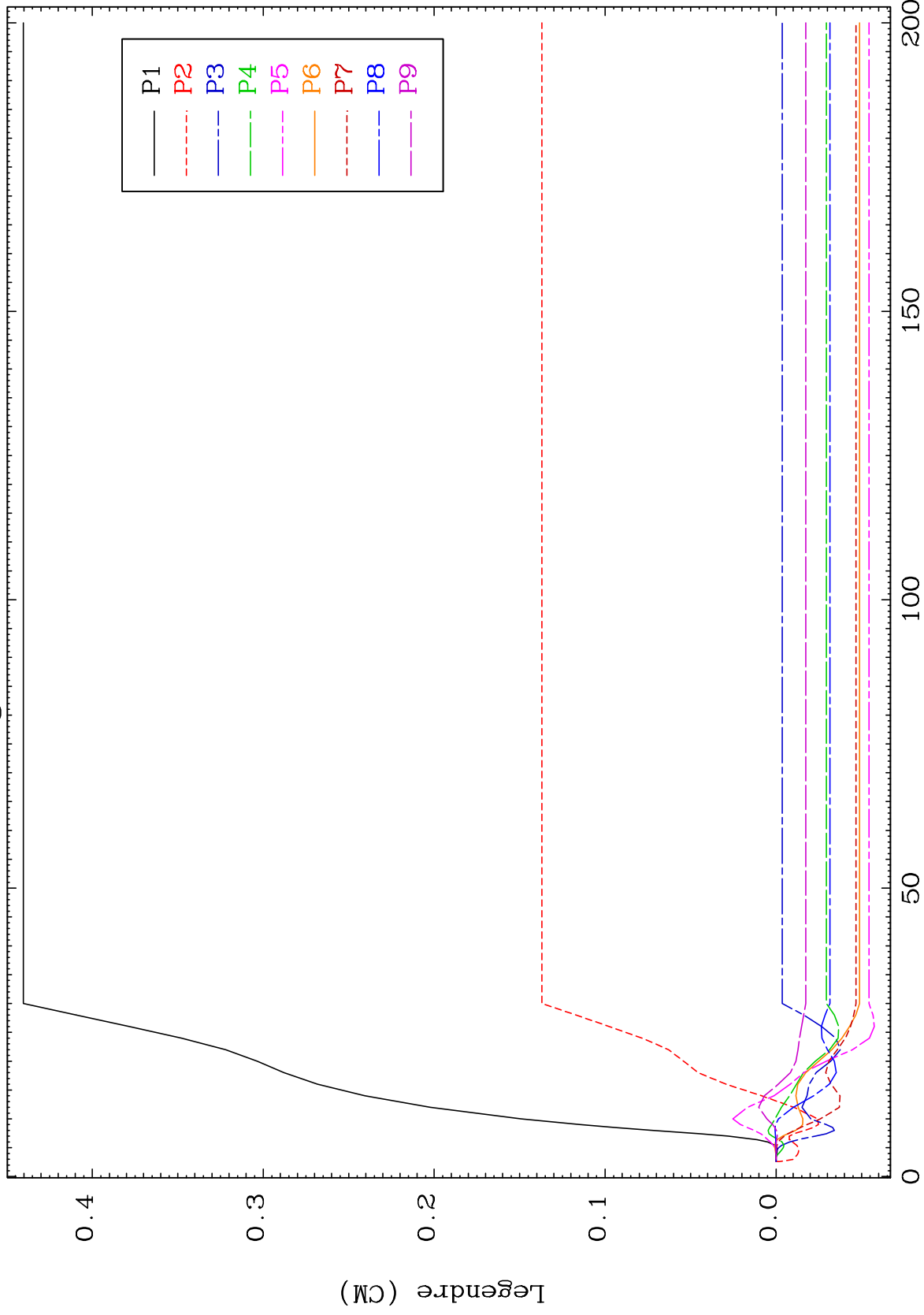




MAT 5219

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

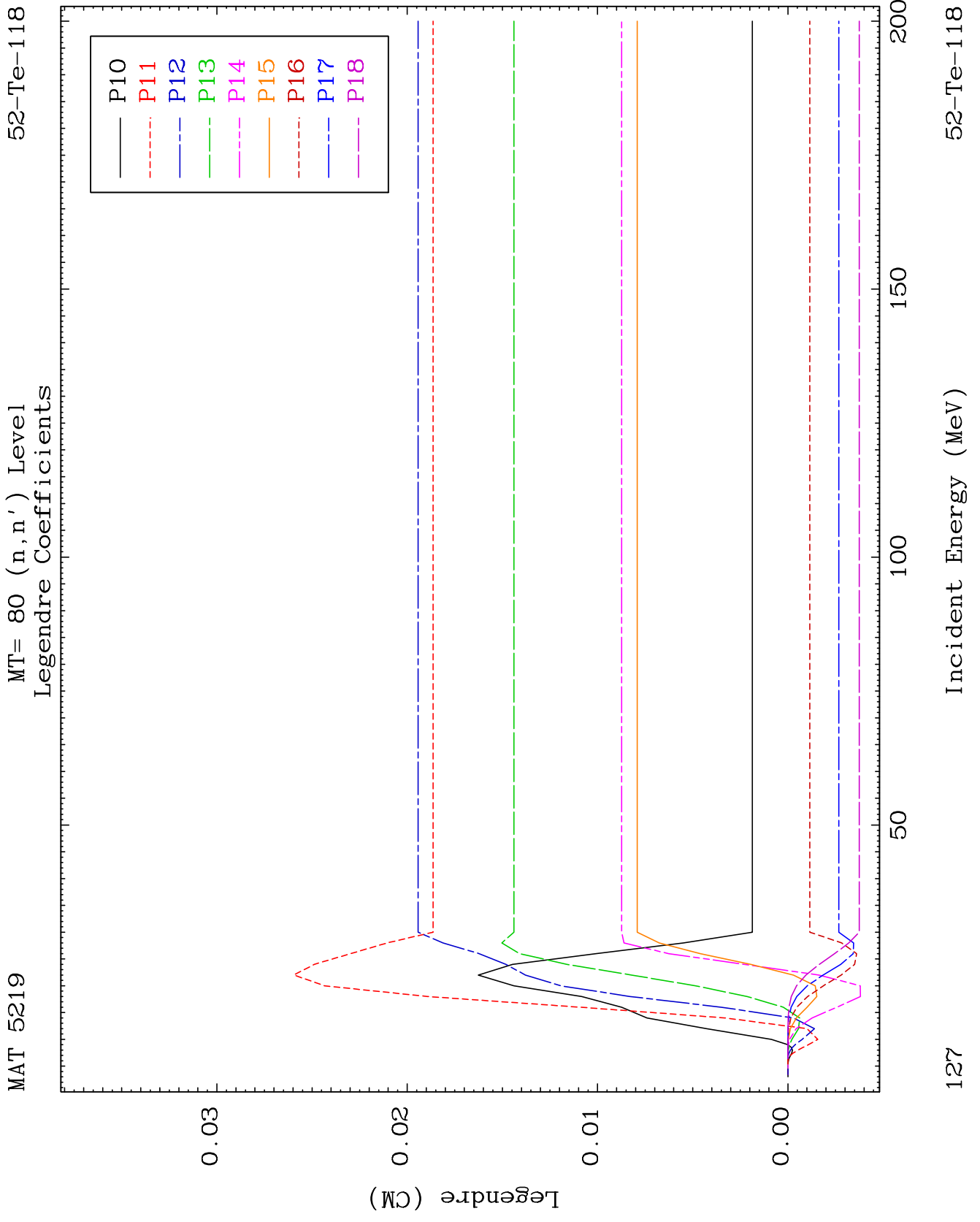
52-Te-118



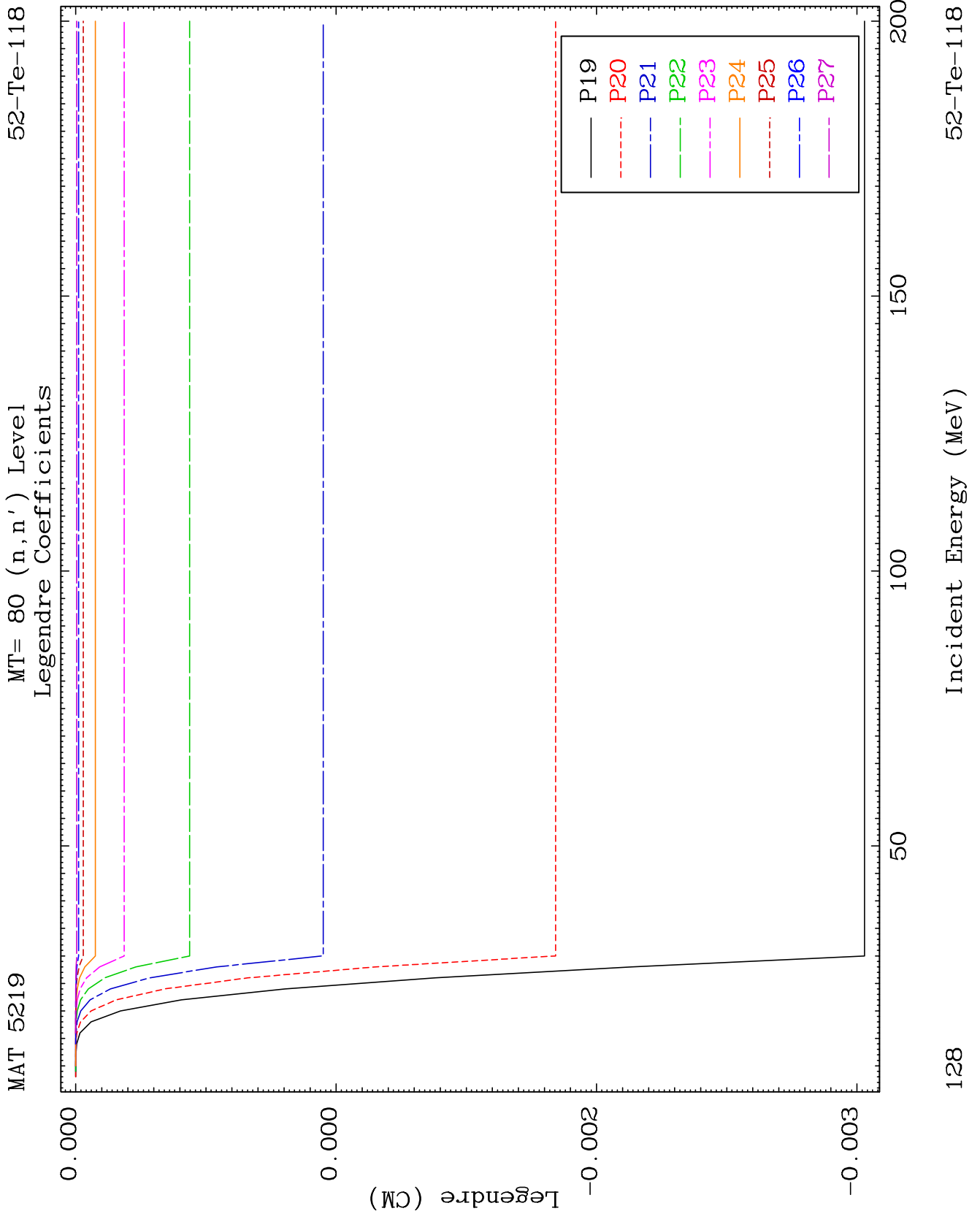
52-Te-118

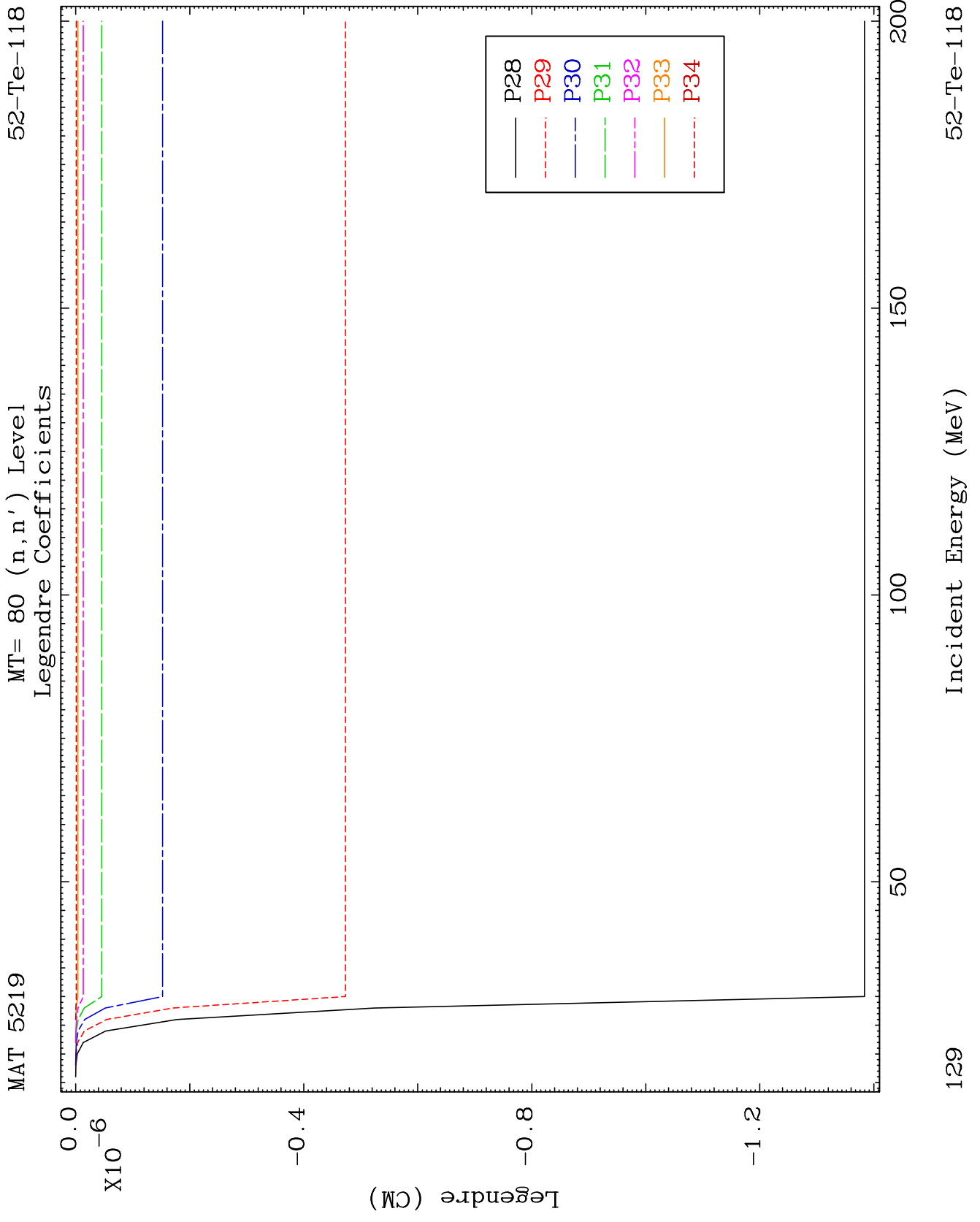
Incident Energy (MeV)

126





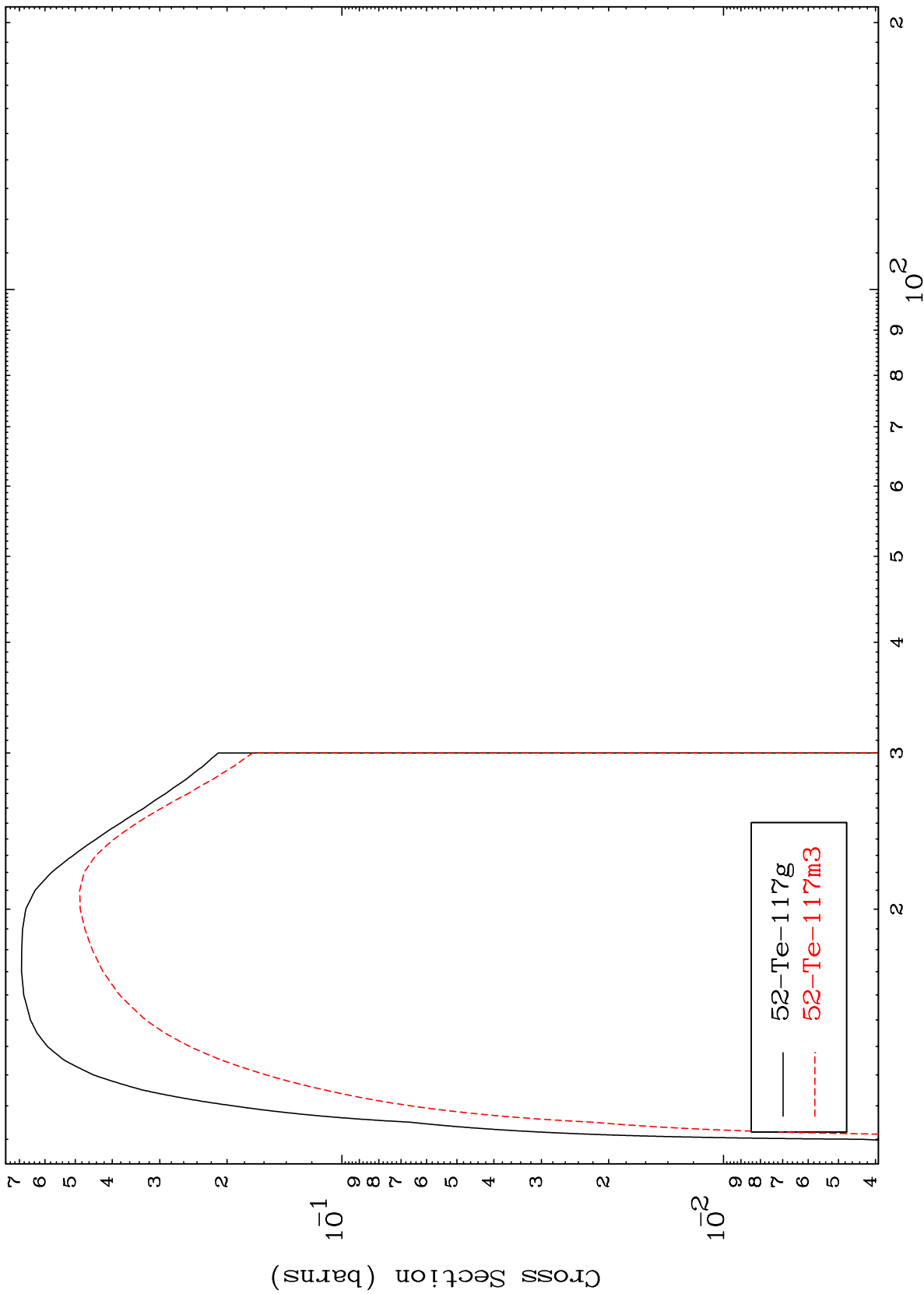




MAT 5219

52-Te-118

(n,2n)  
Radionuclide Production Cross Section



130

52-Te-118

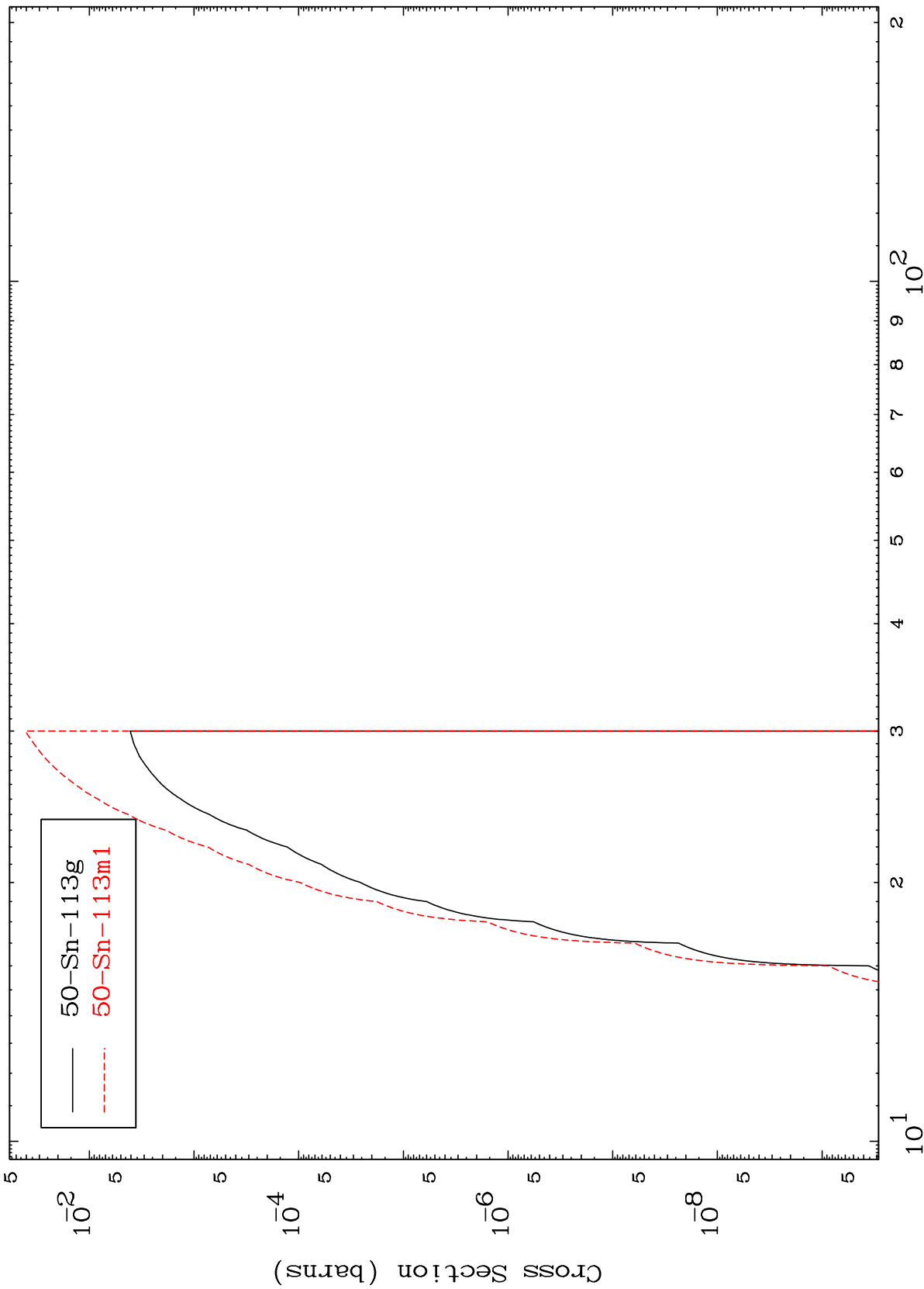
Incident Energy (MeV)

MAT 5219

(n,2n)  $\alpha$

52-Te-118

Radionuclide Production Cross Section



Incident Energy (MeV)

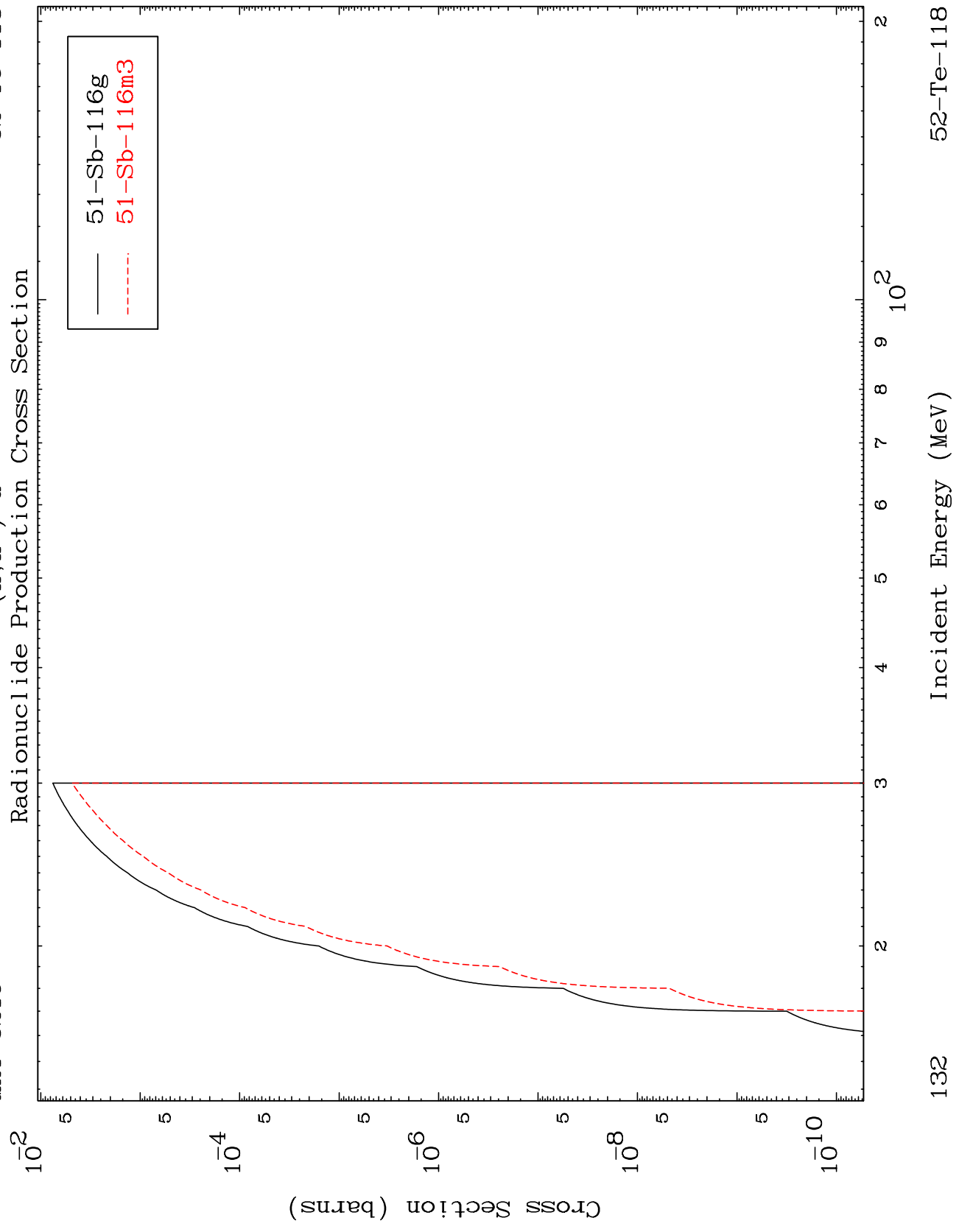
52-Te-118

131

MAT 5219

(n,n') d

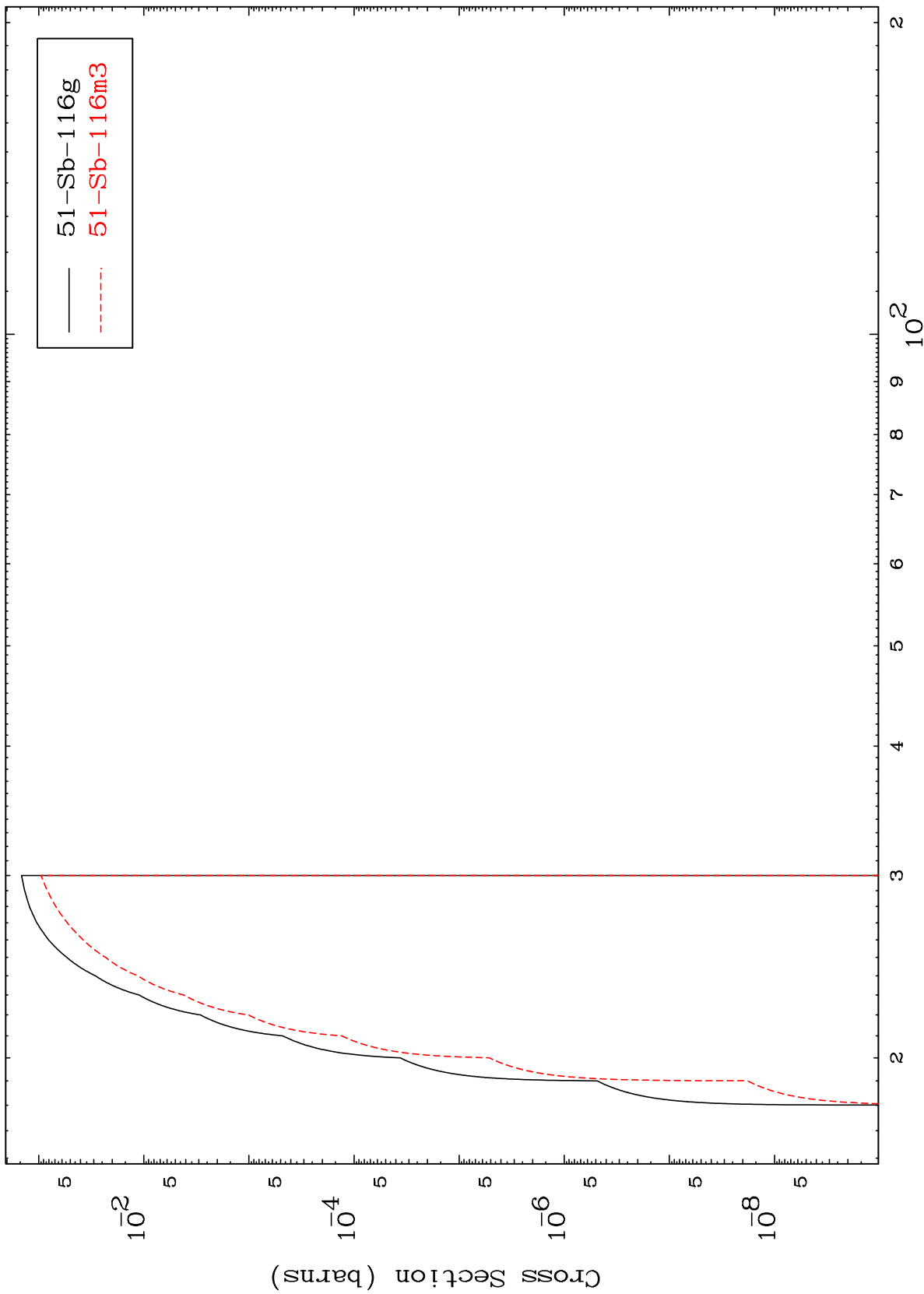
52-Te-118



132

52-Te-118

Radionuclide Production Cross Section



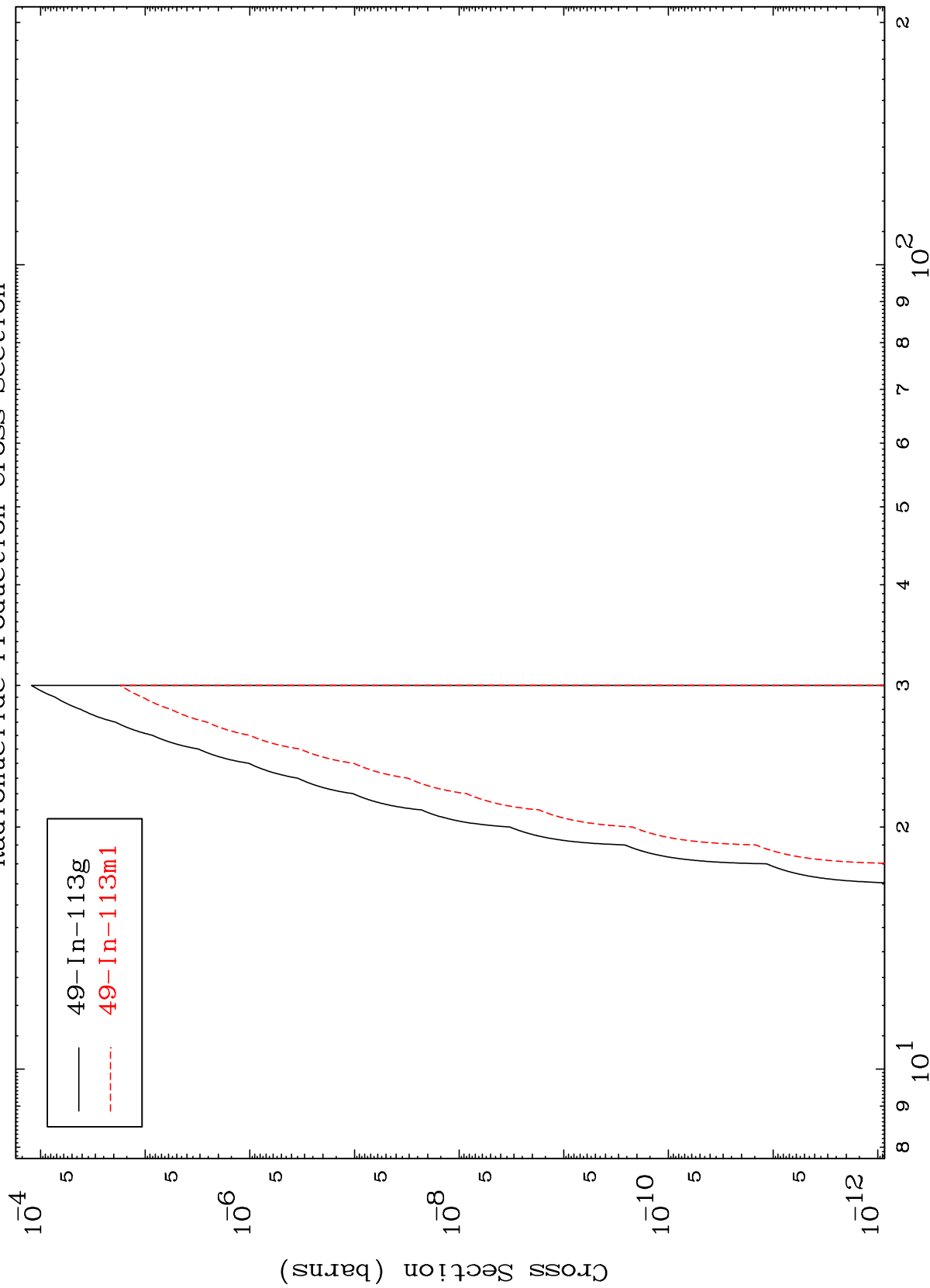
51-Sb-116g  
51-Sb-116m3

MAT 5219

(n,n') p  $\alpha$

52-Te-118

Radionuclide Production Cross Section

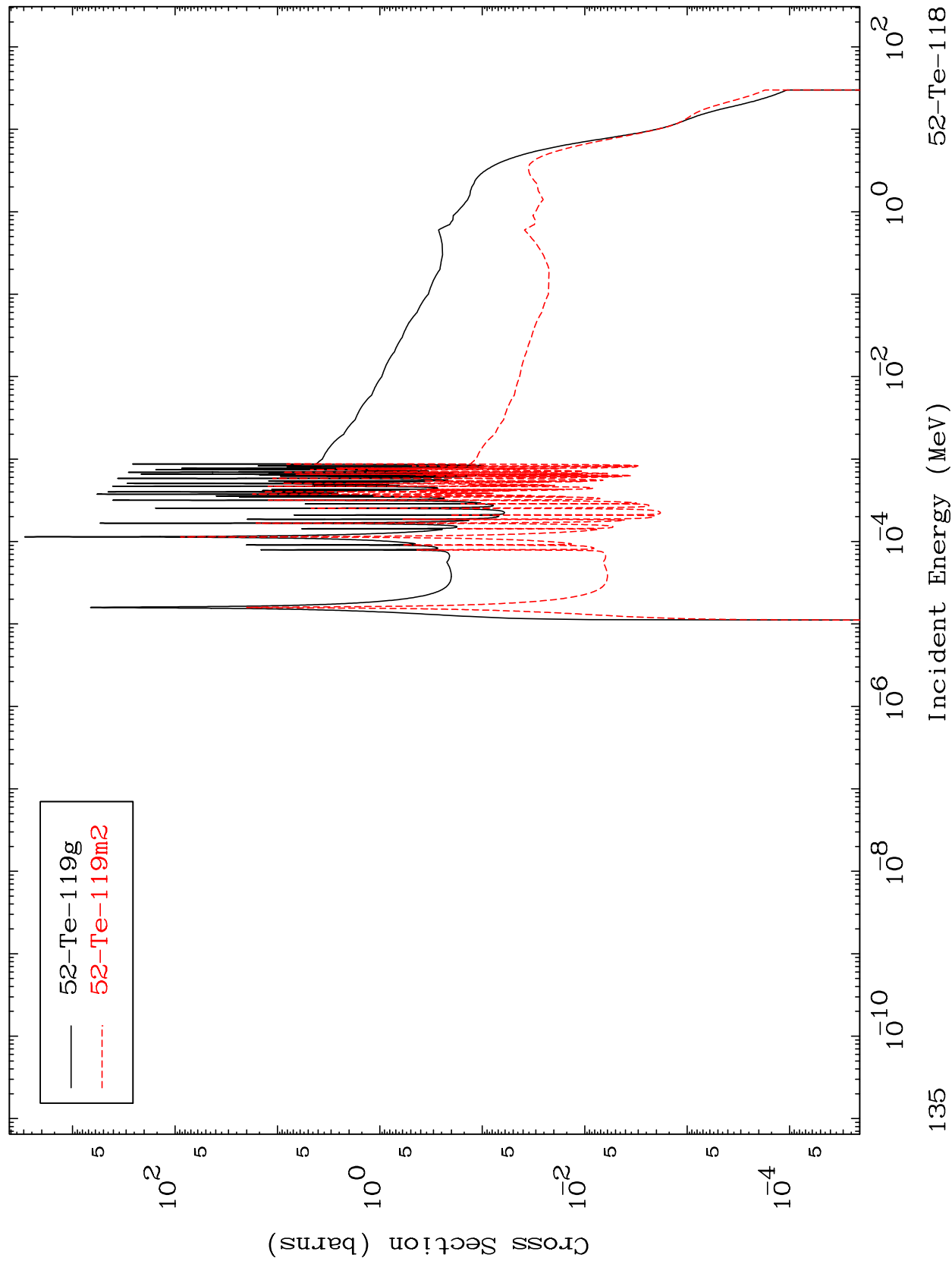


49-In-113g  
49-In-113m1

MAT 5219

52-Te-118

(n,γ)  
Radionuclide Production Cross Section



135

52-Te-118

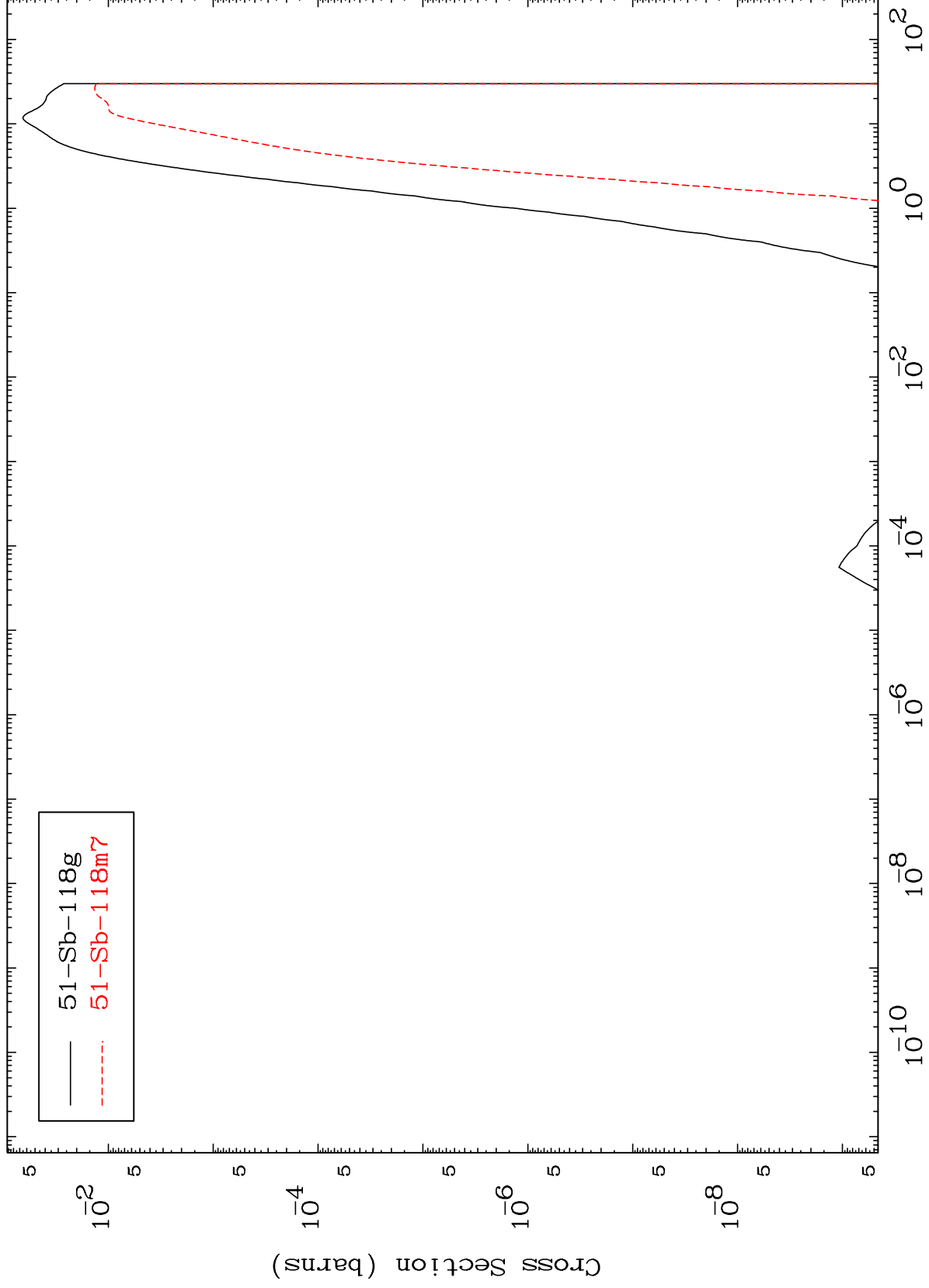


MAT 5219

(n,p)

52-Te-118

Radionuclide Production Cross Section

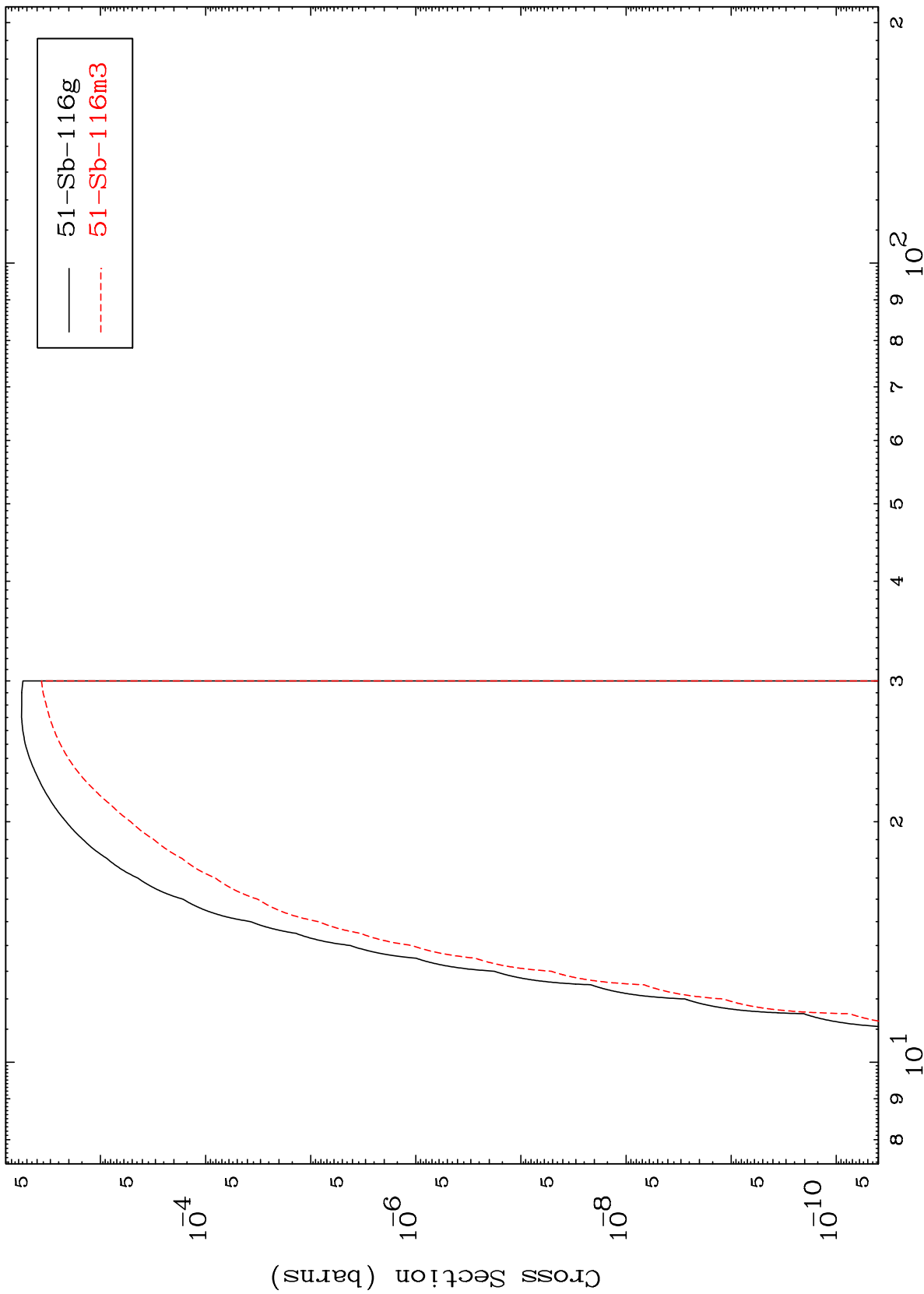


51-Sb-118g  
51-Sb-118m7

MAT 5219

52-Te-118

(n,t)  
Radionuclide Production Cross Section



137

Incident Energy (MeV)

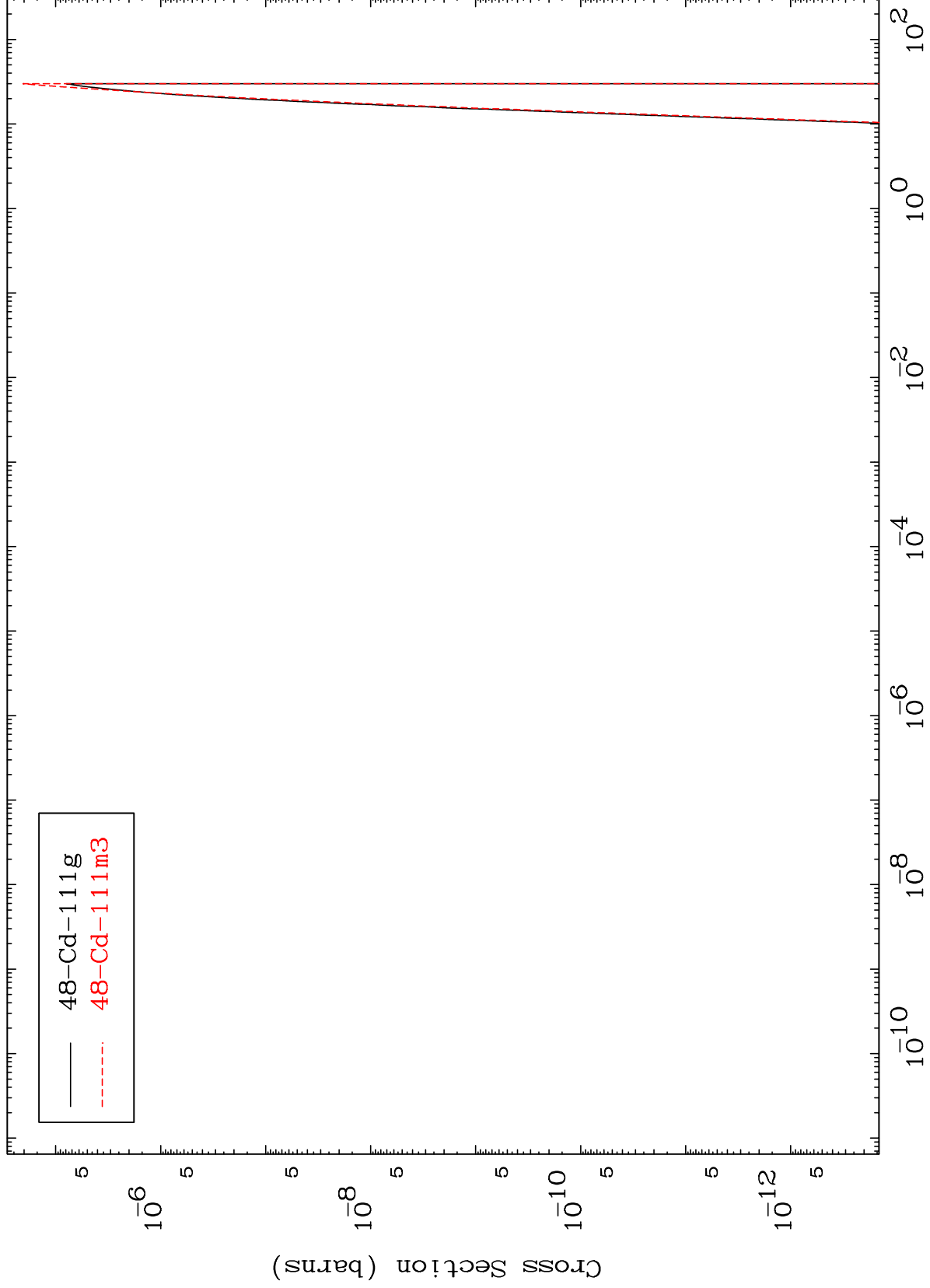
52-Te-118

MAT 5219

(n,2α)

52-Te-118

Radionuclide Production Cross Section



138

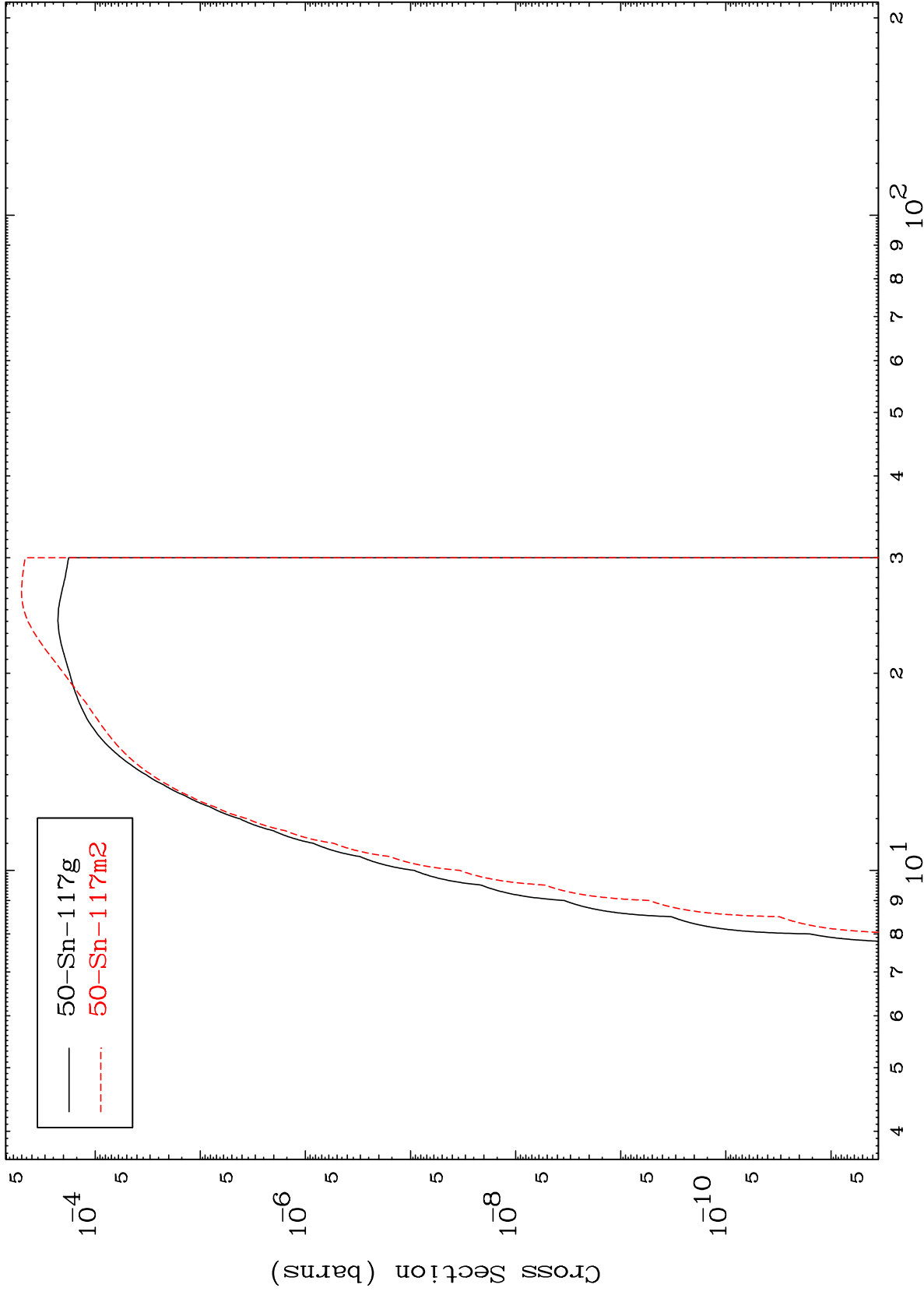
Incident Energy (MeV)

52-Te-118

MAT 5219

52-Te-118

(n,2p)  
Radionuclide Production Cross Section



139

52-Te-118

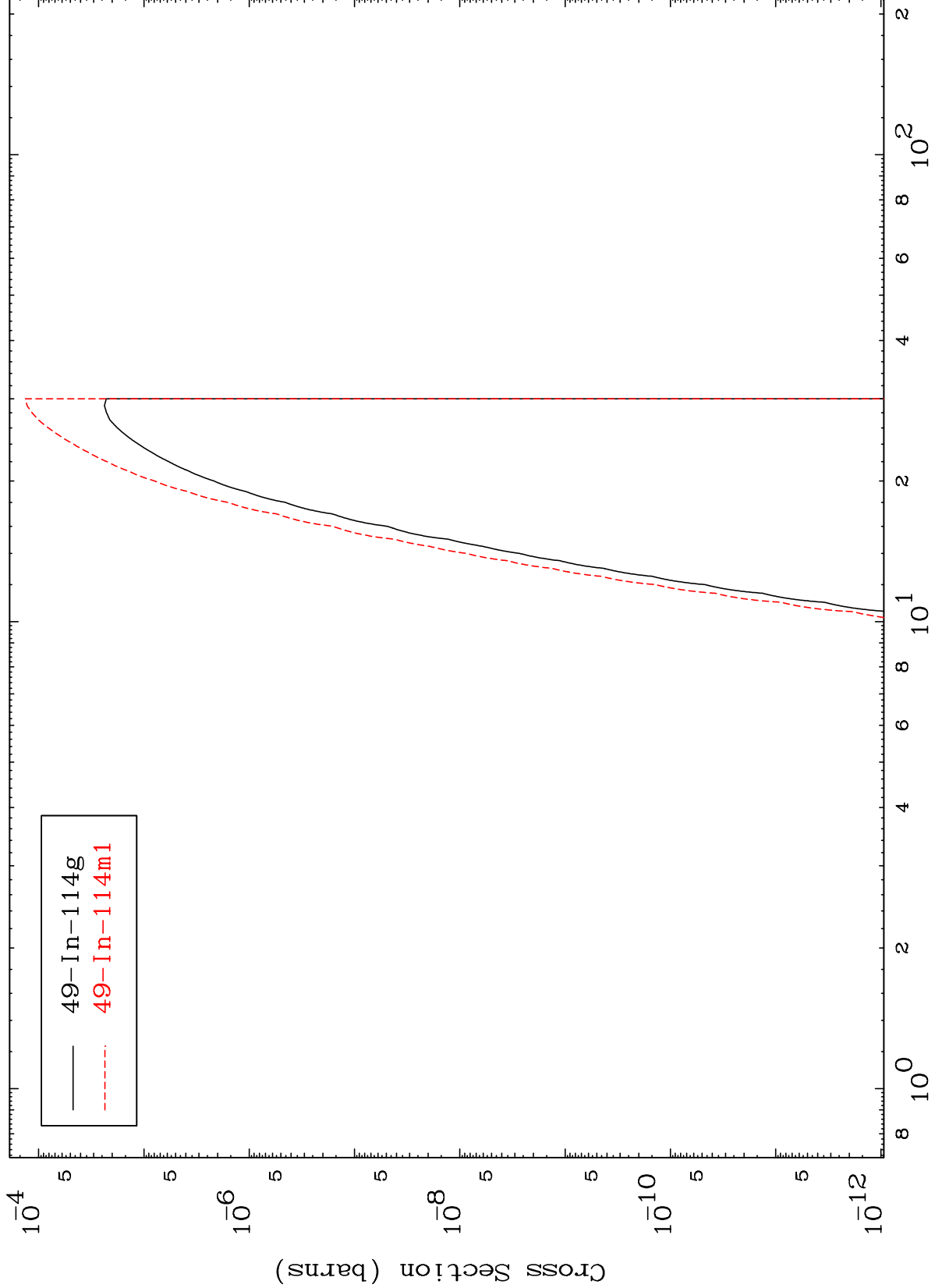
Incident Energy (MeV)

MAT 5219

(n,p)  $\alpha$

52-Te-118

Radionuclide Production Cross Section



140

Incident Energy (MeV)

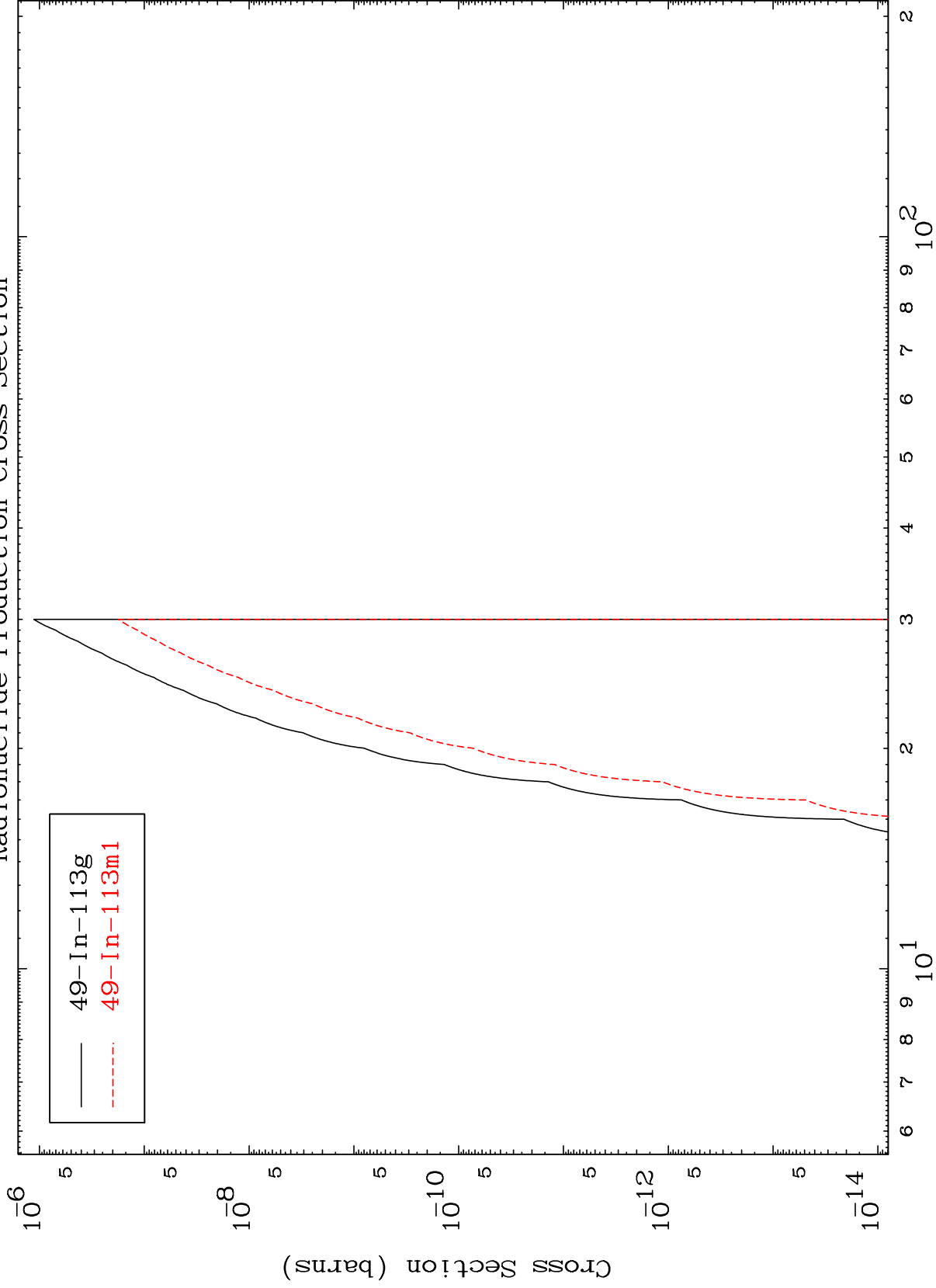
52-Te-118

MAT 5219

(n,d)  $\alpha$

52-Te-118

Radionuclide Production Cross Section



49-In-113g  
49-In-113m1