

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

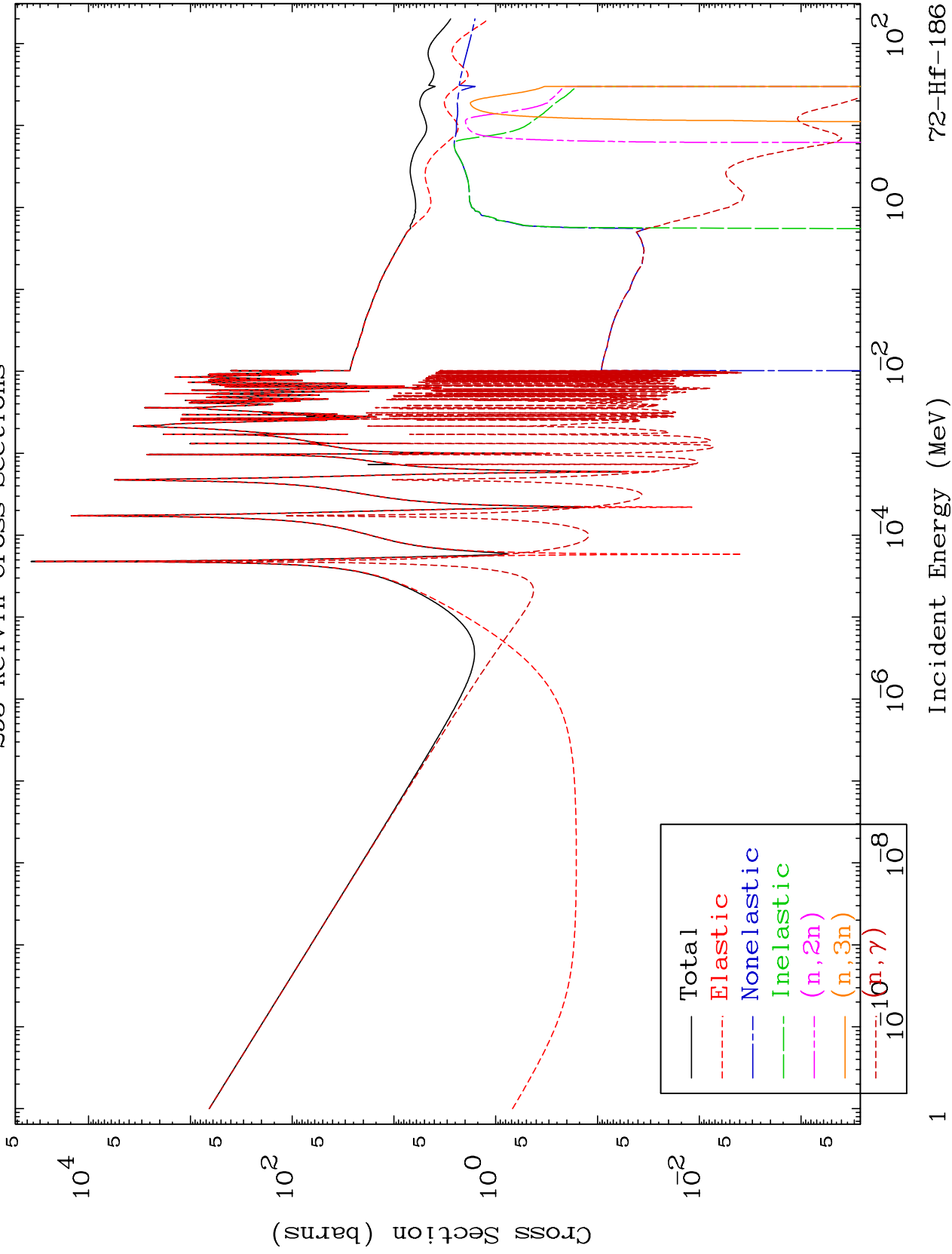
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7261

Neutron Major  
293 Kelvin Cross Sections

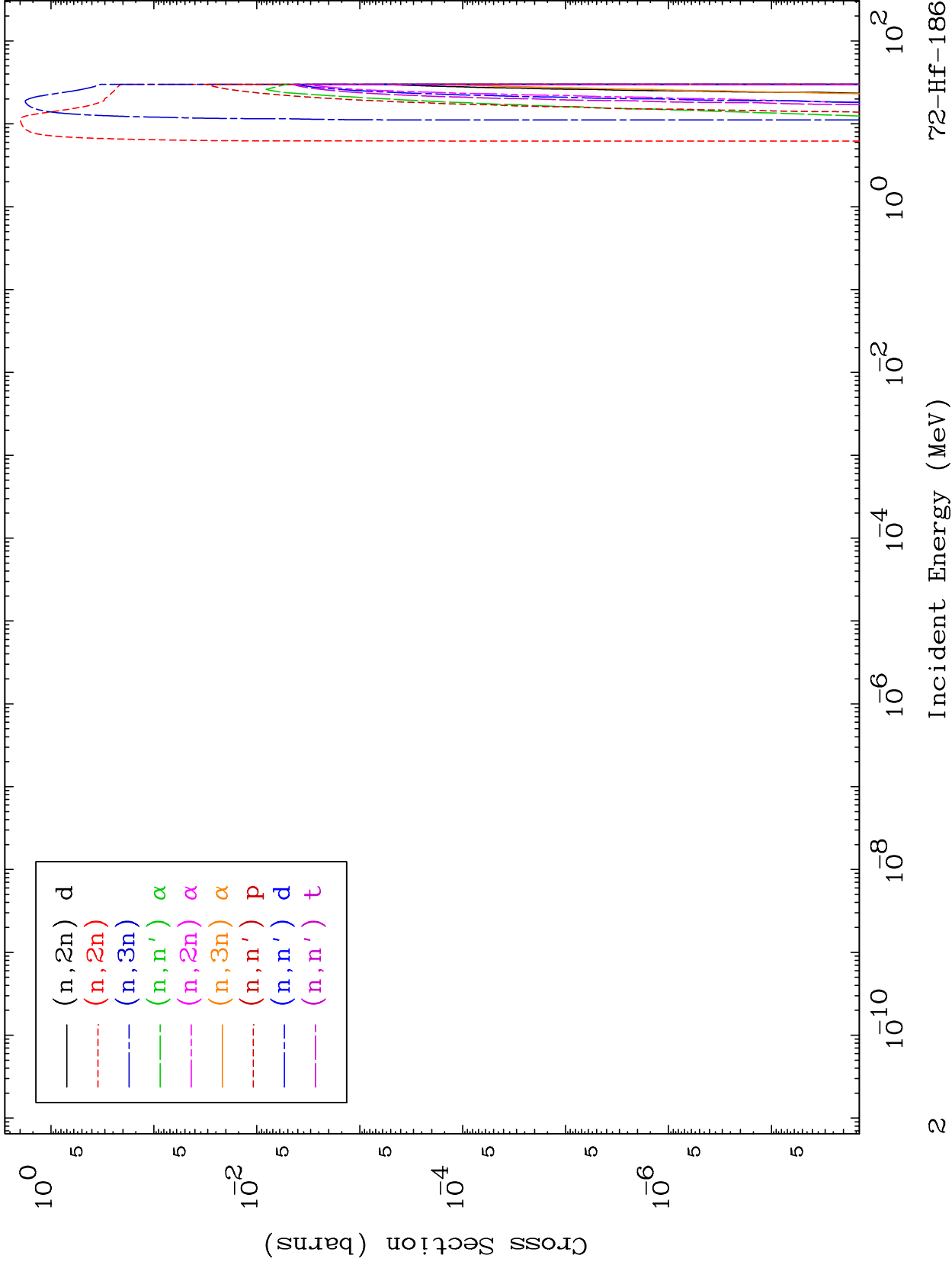
72-Hf-186

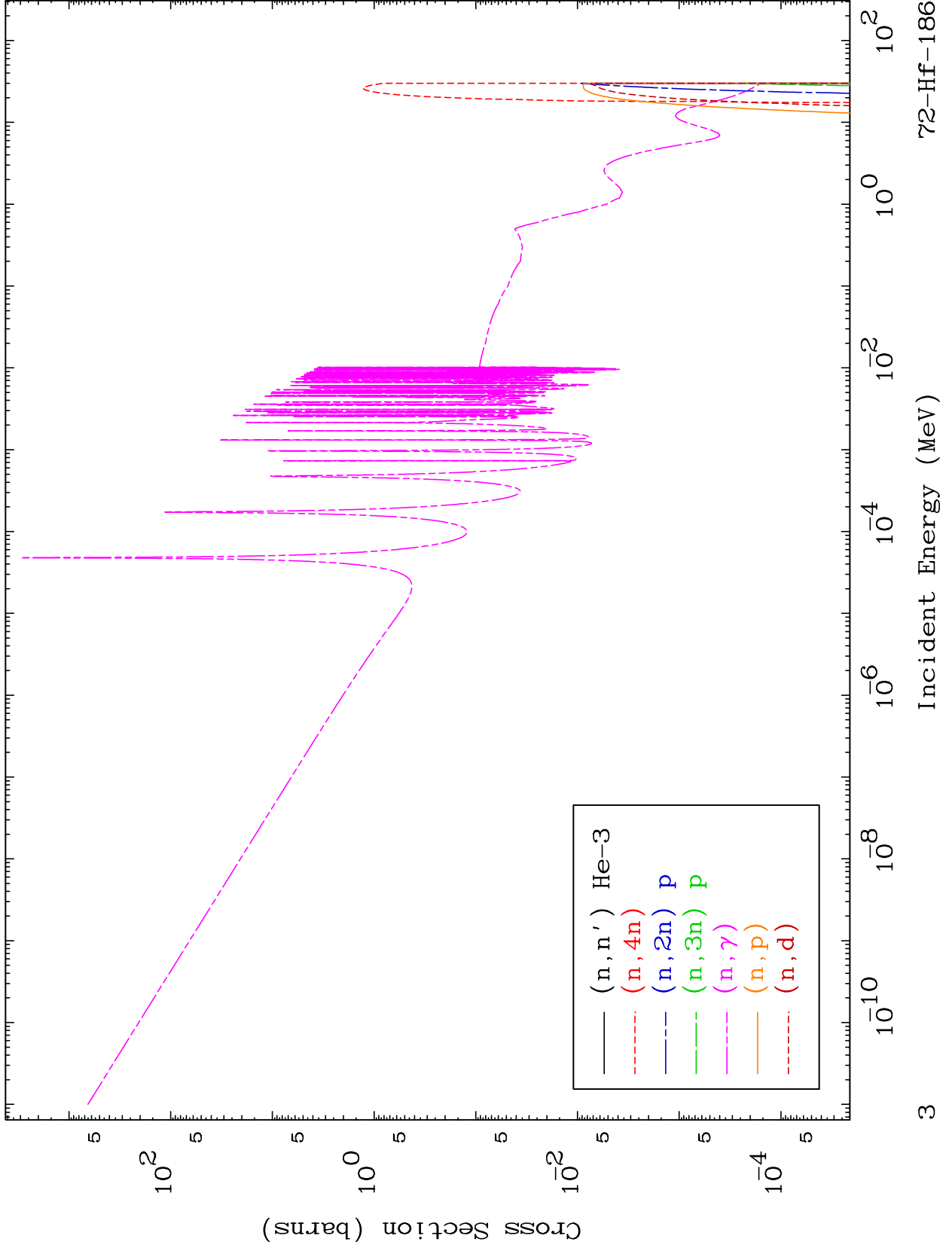


MAT 7261

Neutron Absorption  
293 Kelvin Cross Sections

72-Hf-186

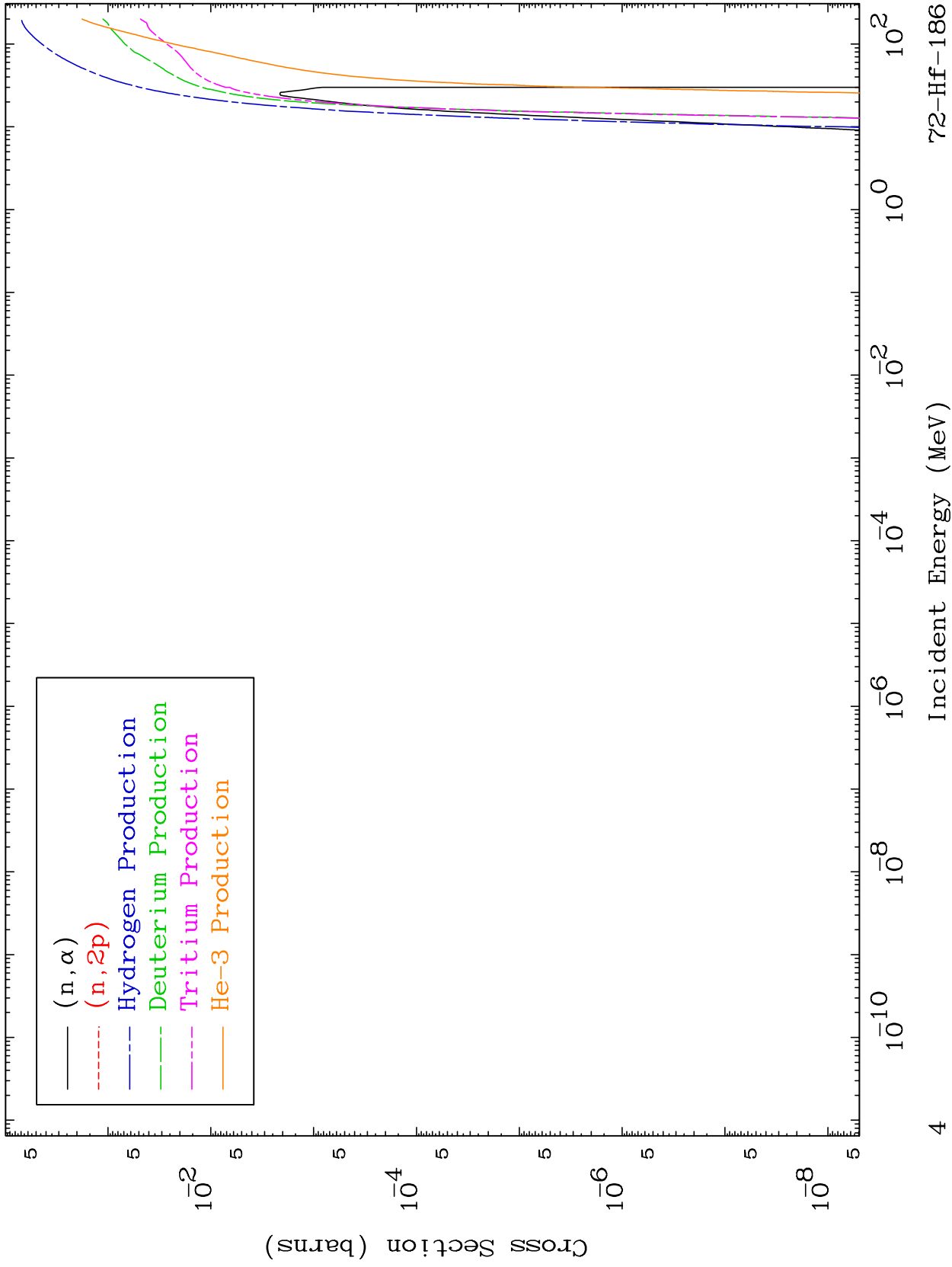




MAT 7261

Neutron Absorption  
293 Kelvin Cross Sections

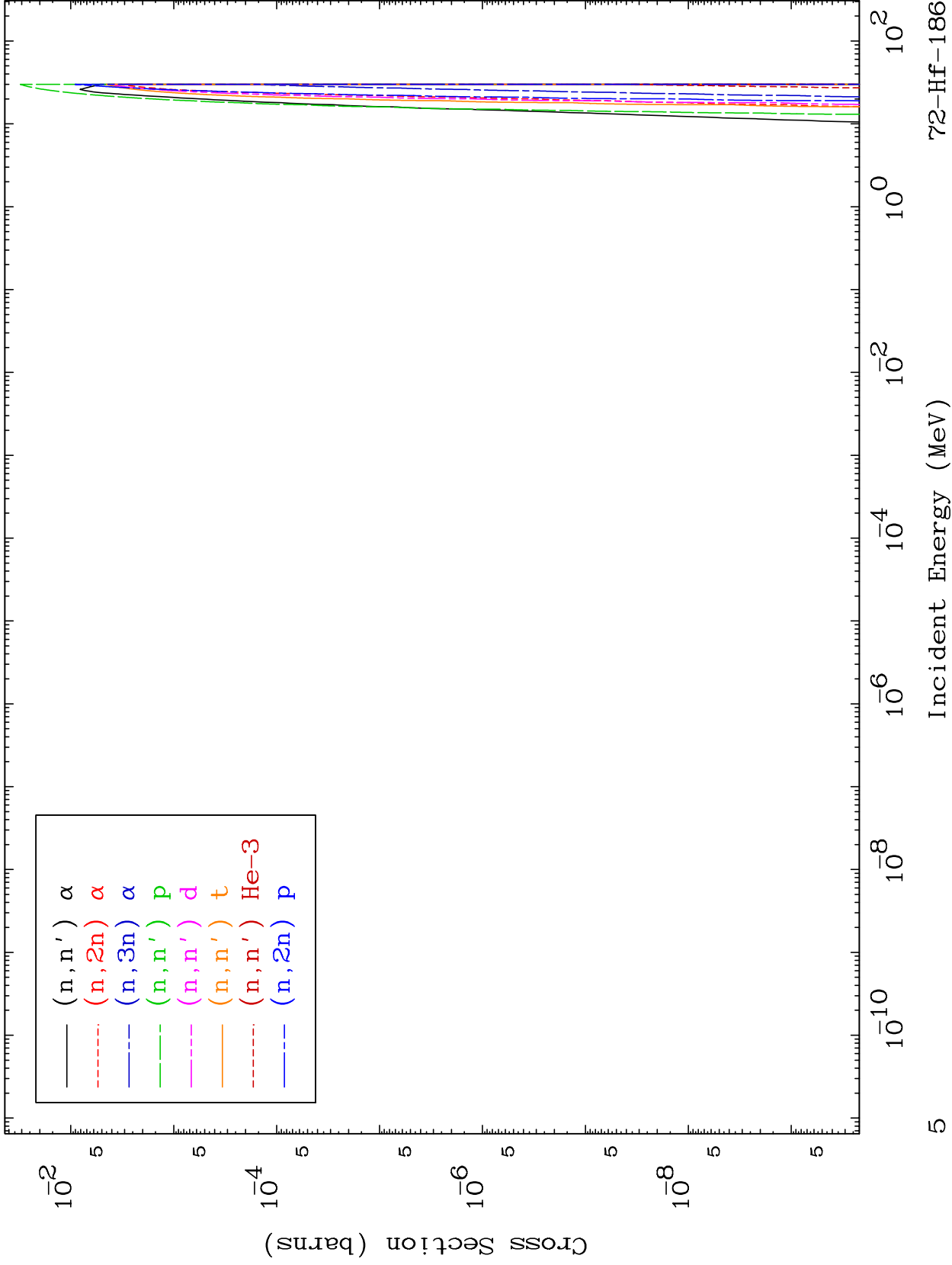
72-Hf-186



MAT 7261

Charged Particle  
293 Kelvin Cross Sections

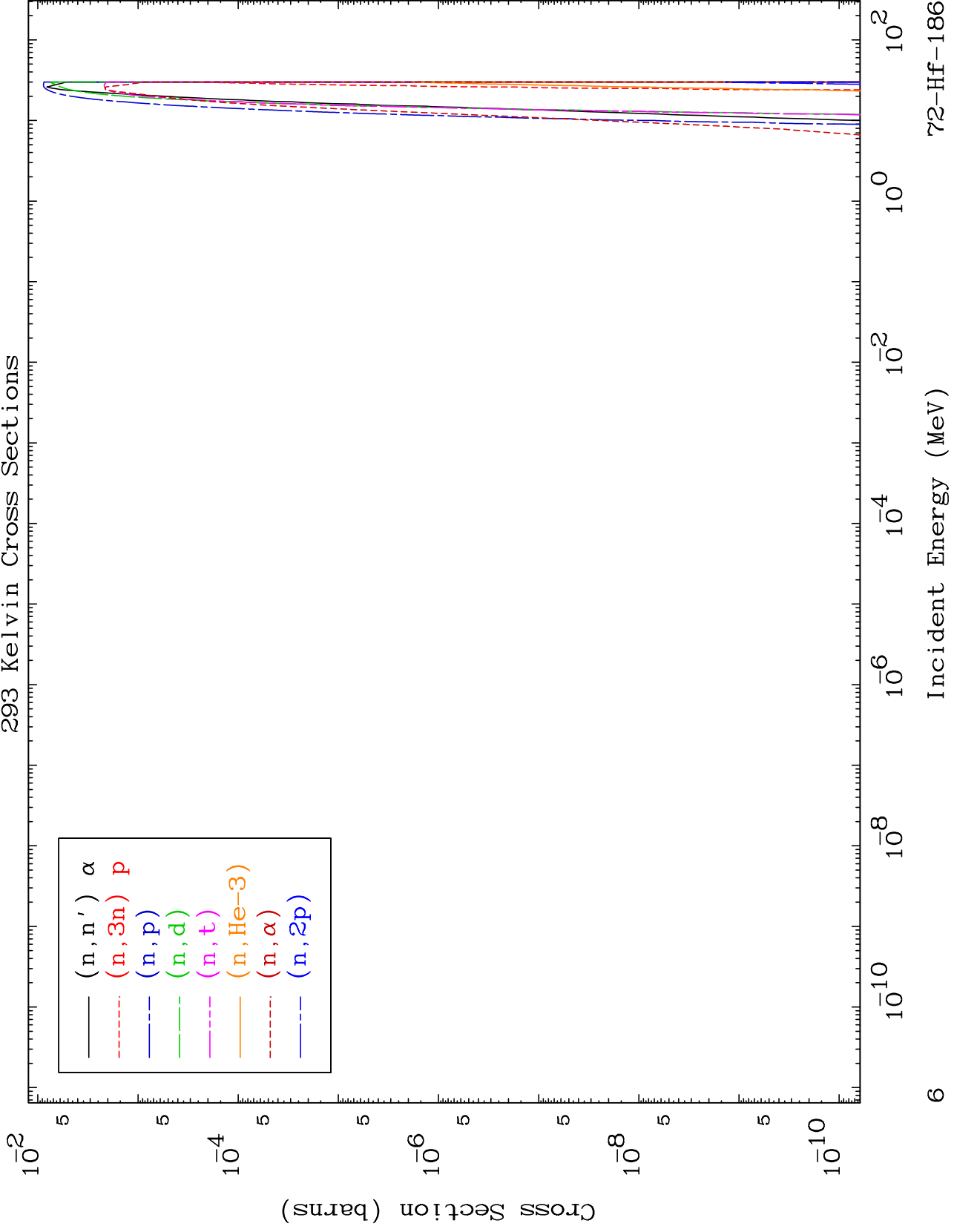
72-Hf-186

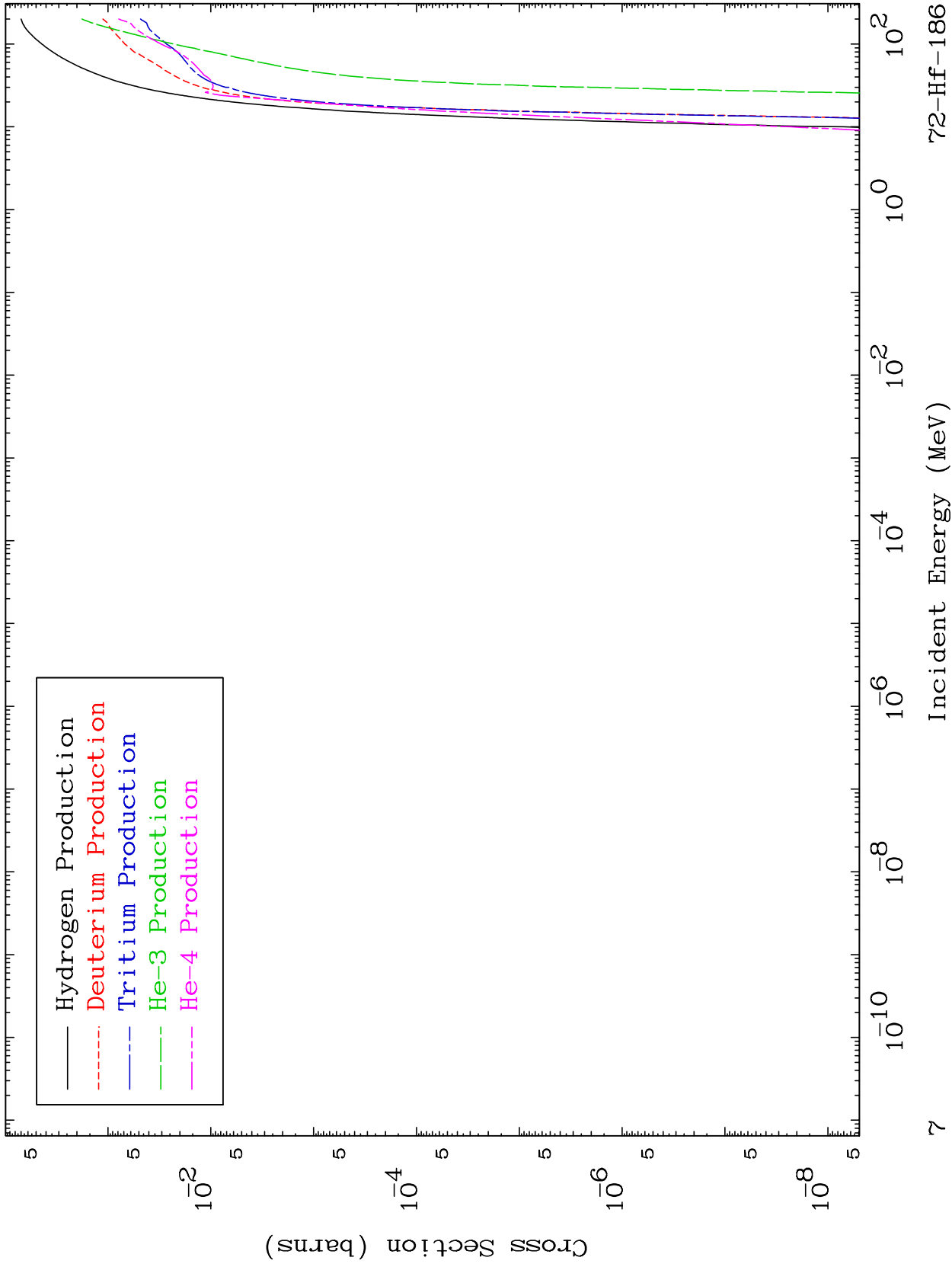


MAT 7261

Charged Particle  
293 Kelvin Cross Sections

72-Hf-186





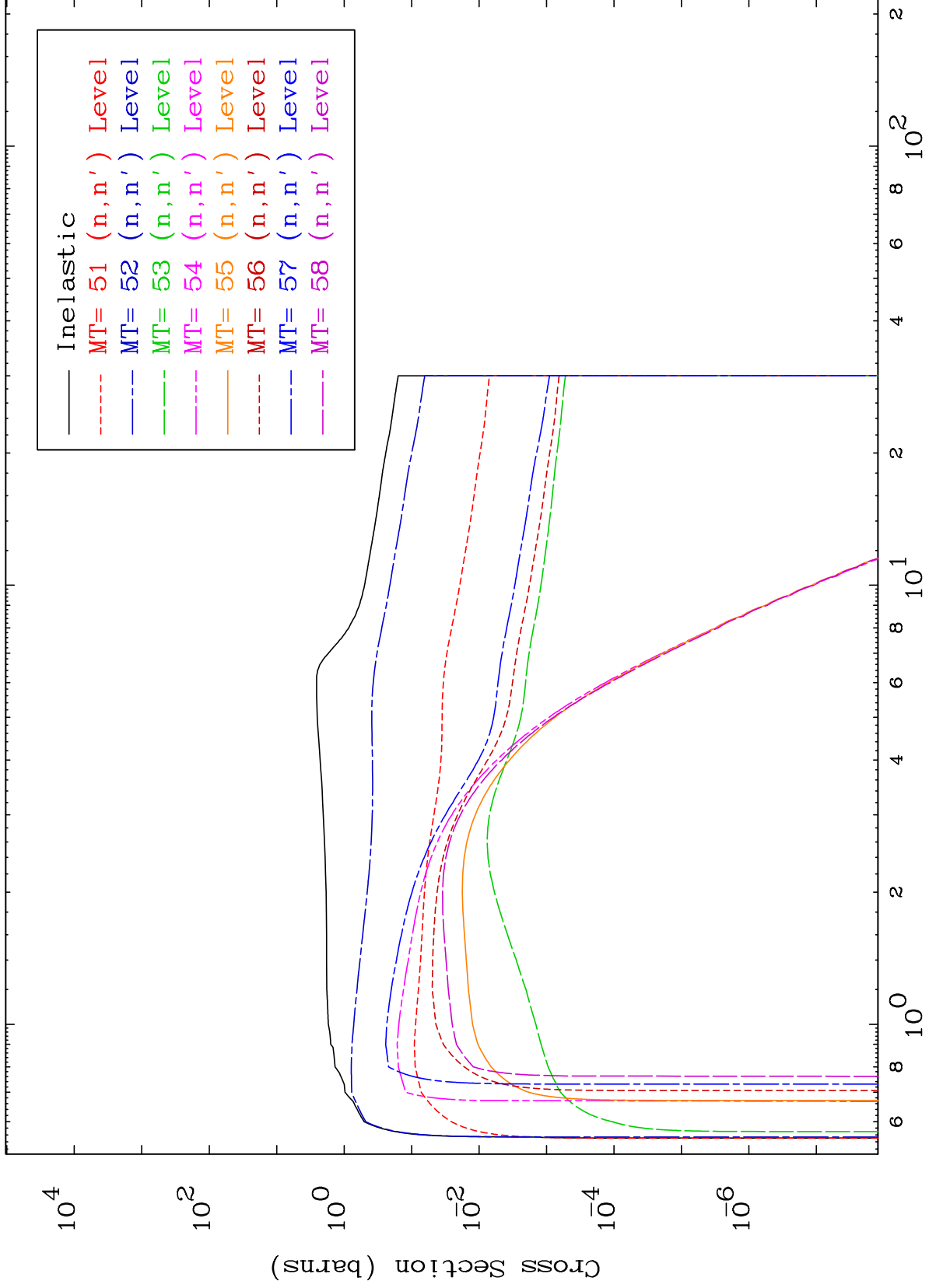


MAT 7261

(n,n') Levels

72-Hf-186

293 Kelvin Cross Sections



8

Incident Energy (MeV)

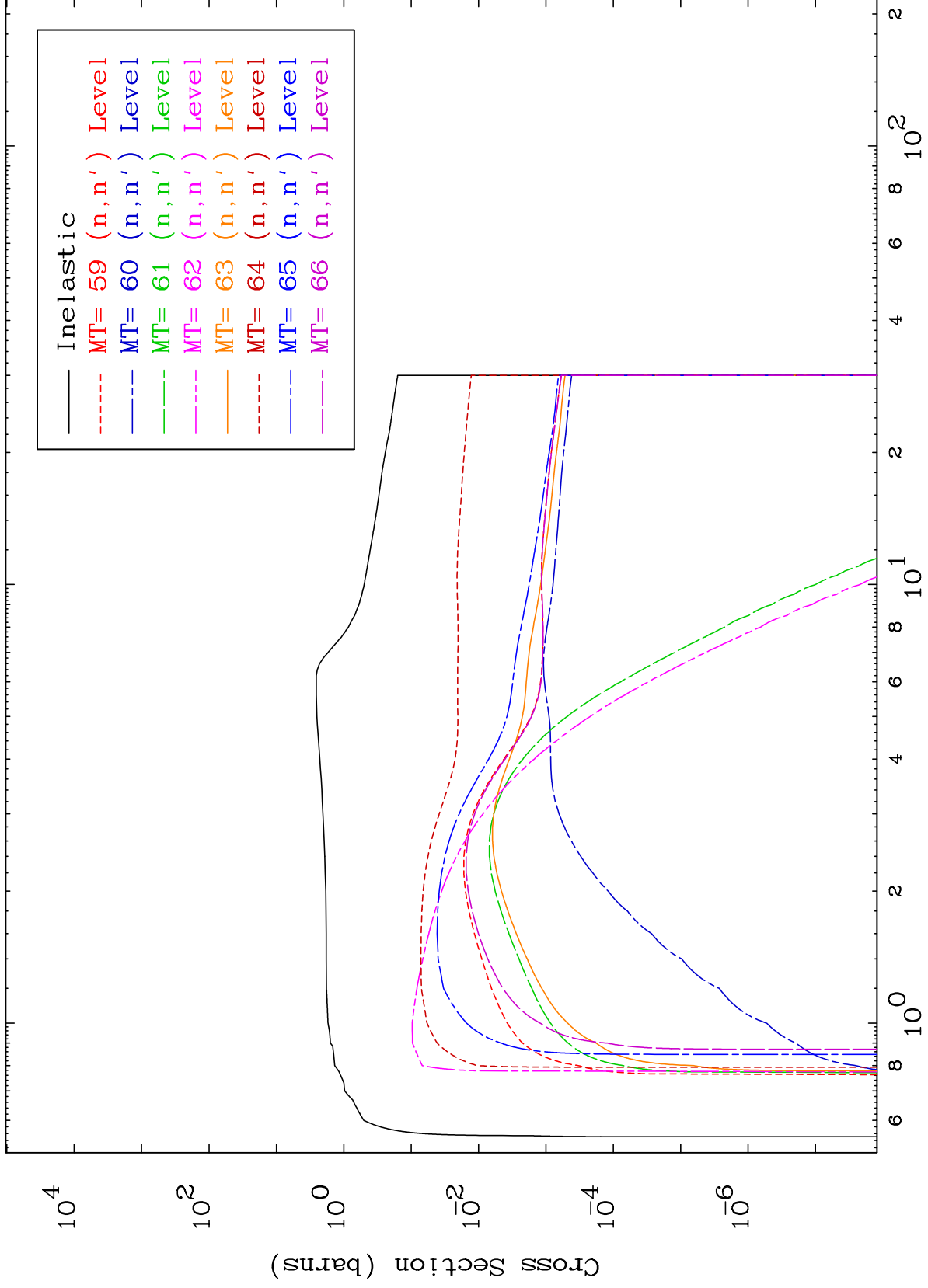
72-Hf-186

MAT 7261

(n,n') Levels

293 Kelvin Cross Sections

72-Hf-186



9

Incident Energy (MeV)

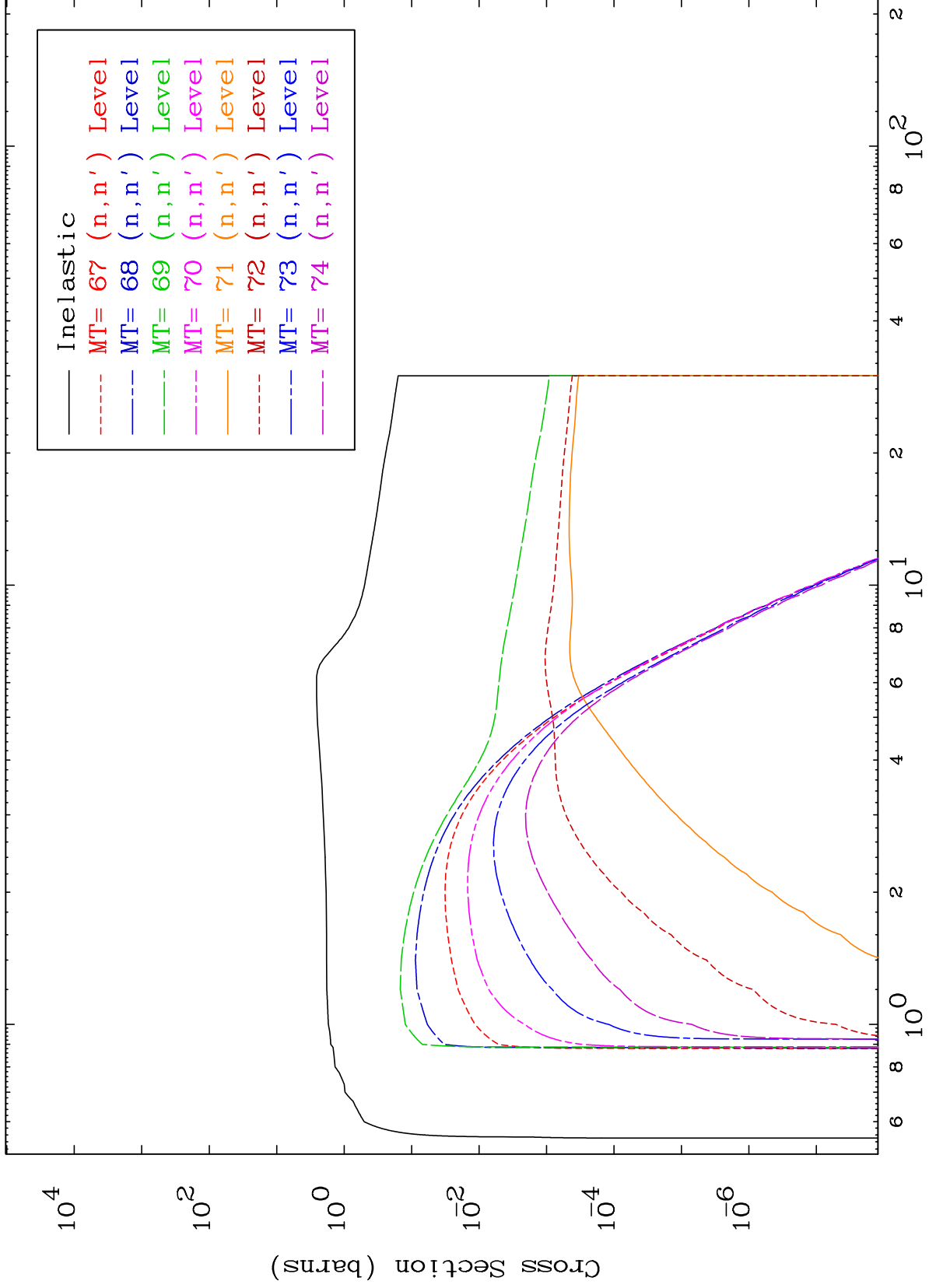
72-Hf-186

MAT 7261

(n,n') Levels

72-Hf-186

293 Kelvin Cross Sections

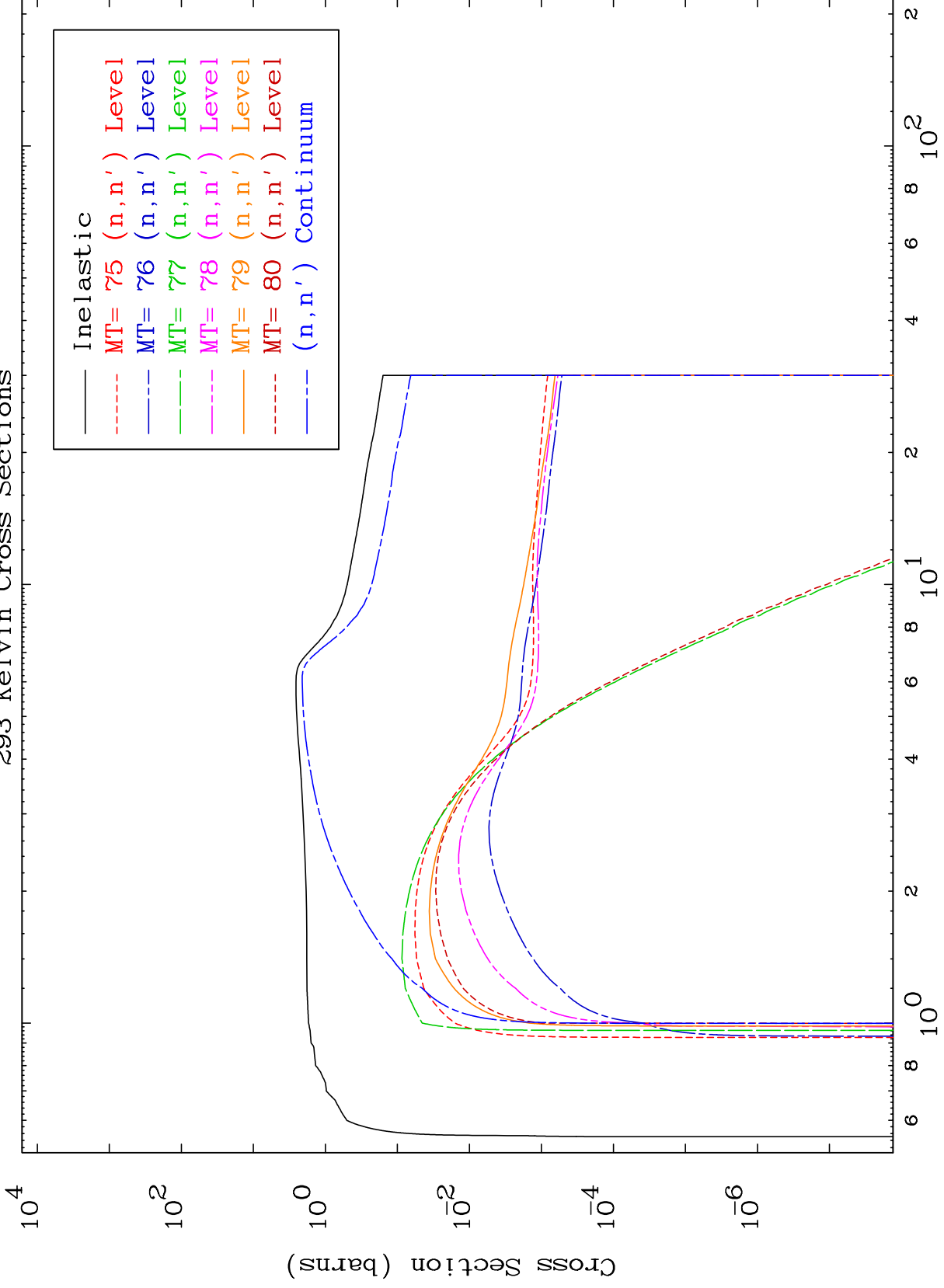


10

Incident Energy (MeV)

72-Hf-186

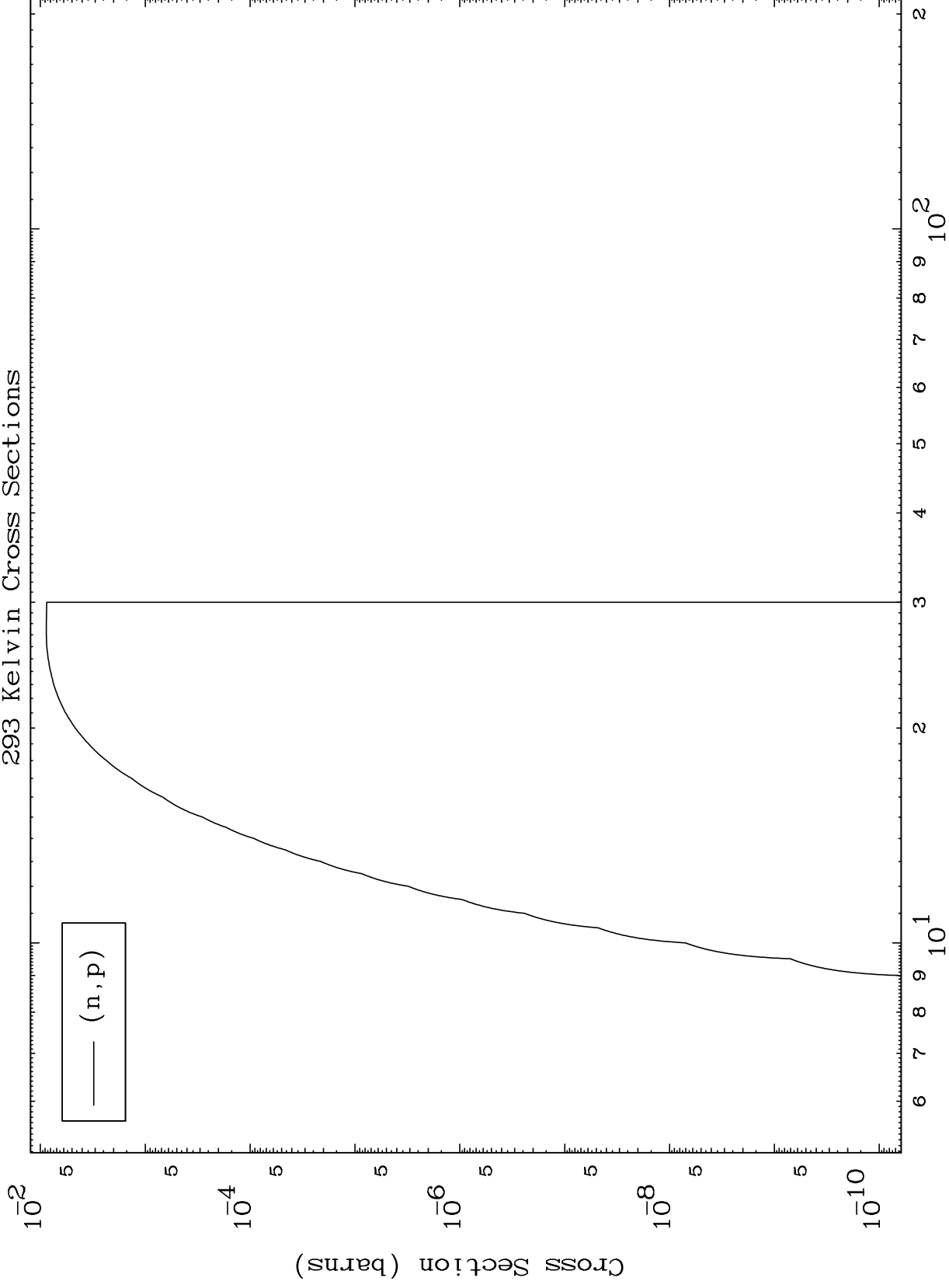
293 Kelvin Cross Sections



MAT 7261

(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-186



12

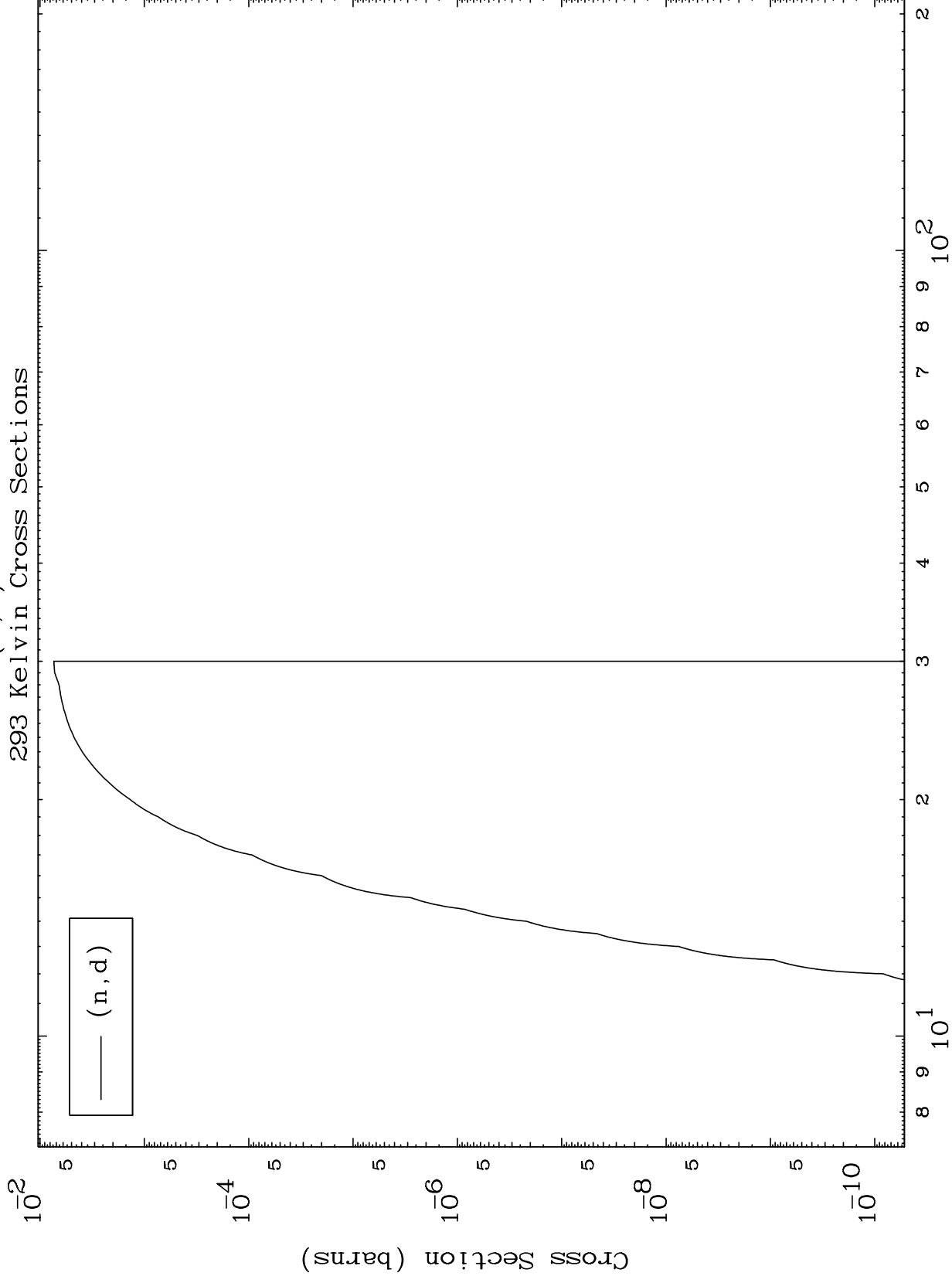
Incident Energy (MeV)

72-Hf-186

MAT 7261

72-Hf-186

(n,d) Levels  
293 Kelvin Cross Sections



72-Hf-186

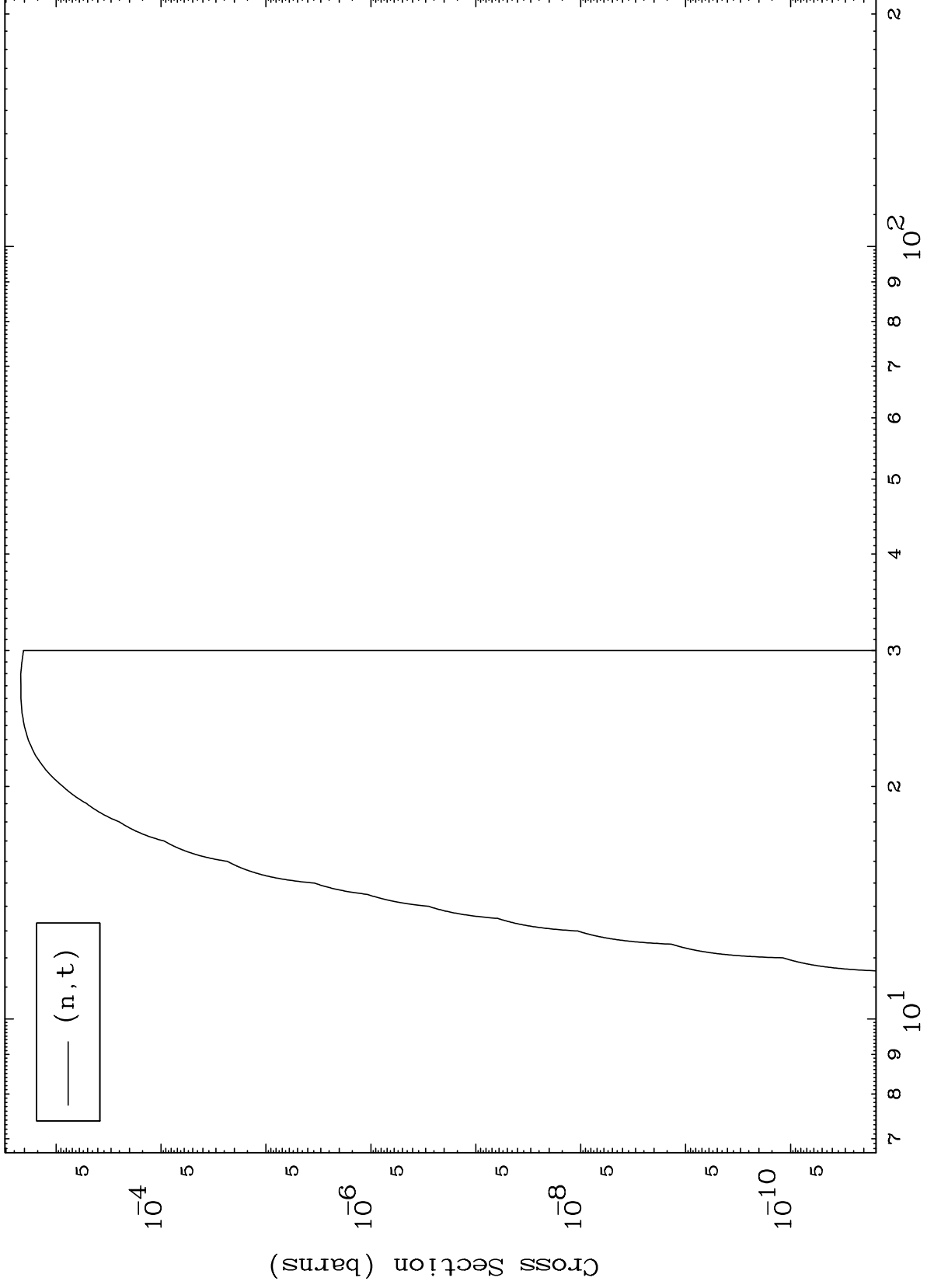
Incident Energy (MeV)

13

MAT 7261

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-186



14

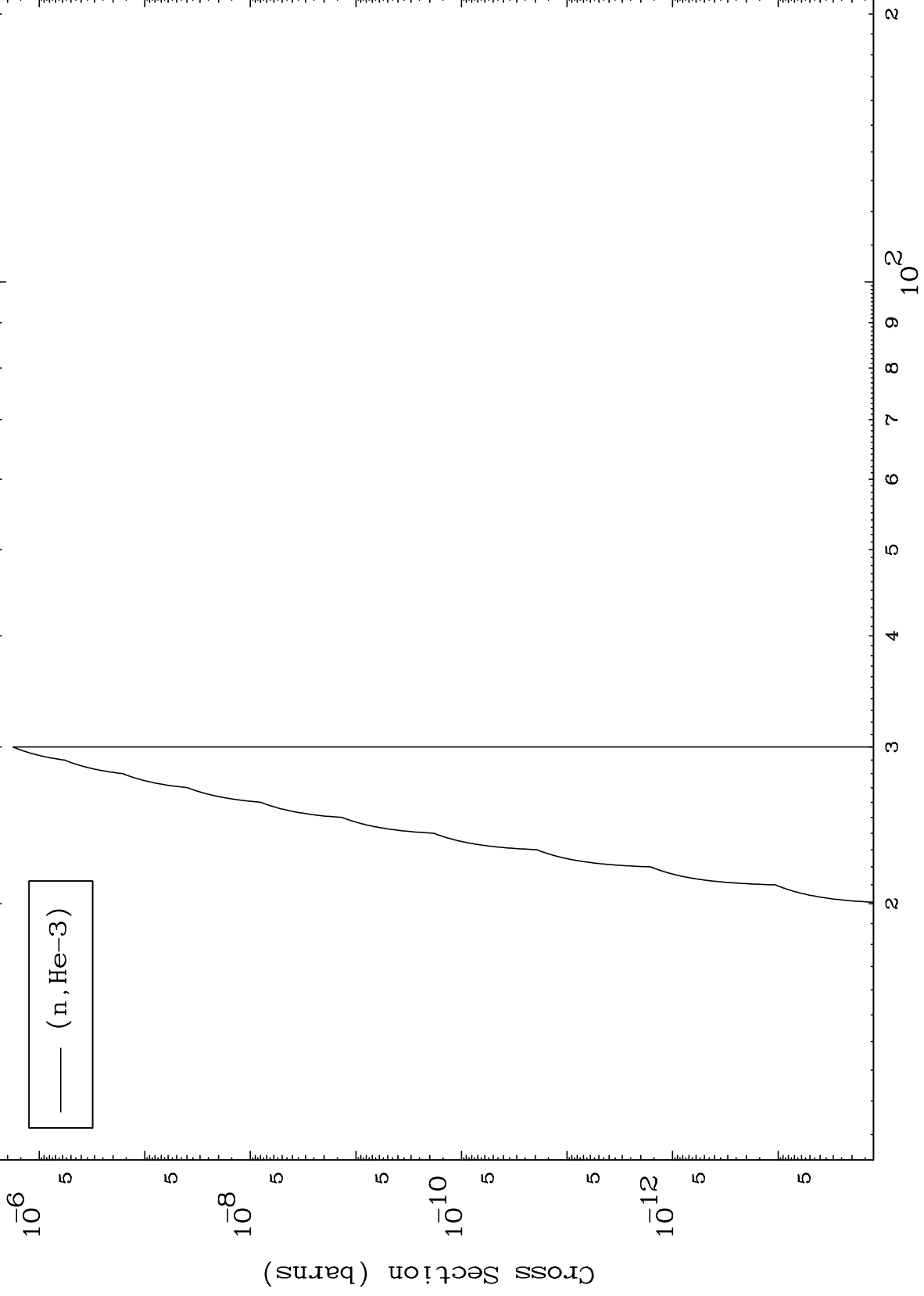
Incident Energy (MeV)

72-Hf-186

MAT 7261

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-186



15

Incident Energy (MeV)

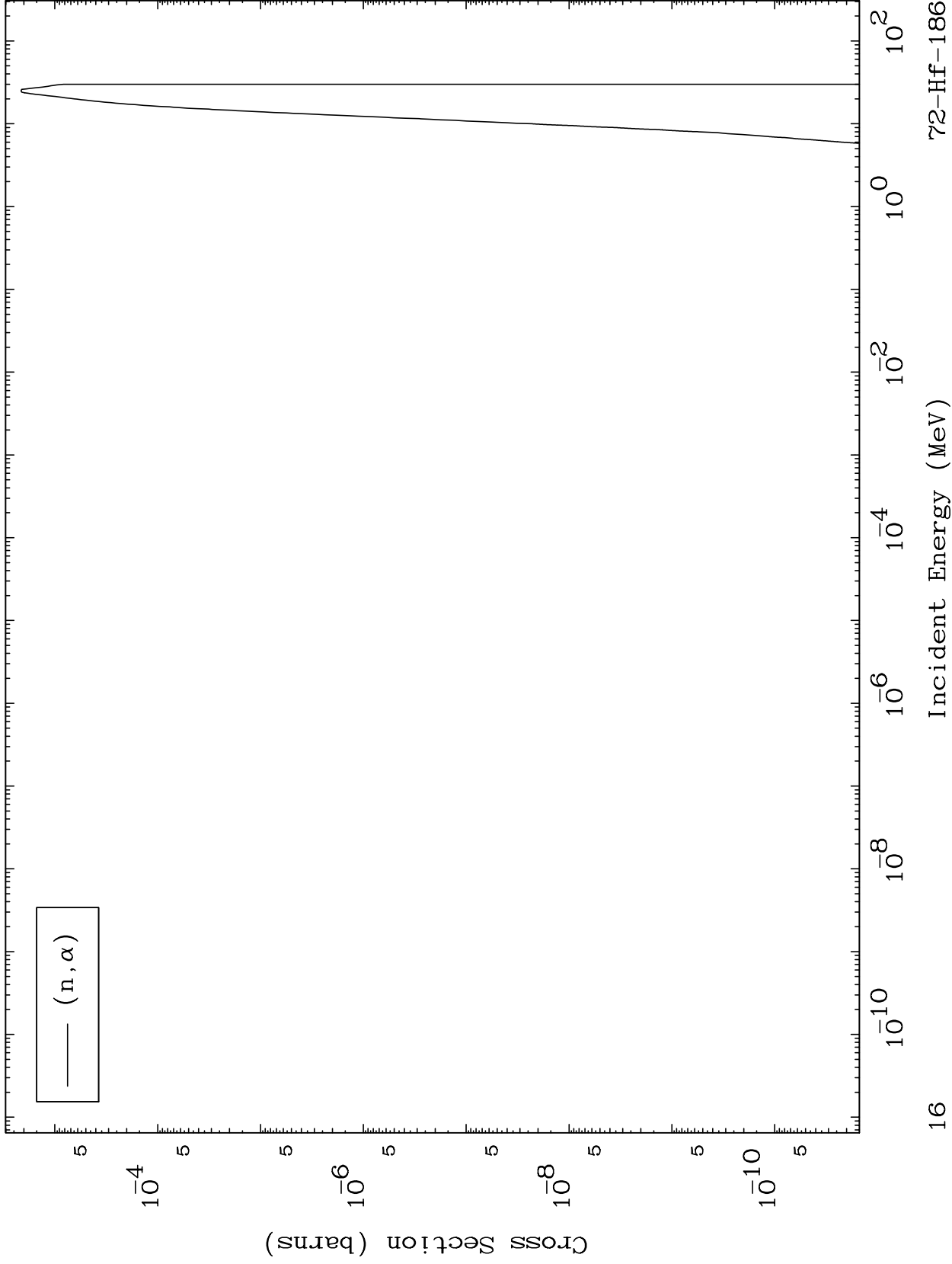
72-Hf-186



MAT 7261

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

72-Hf-186



16

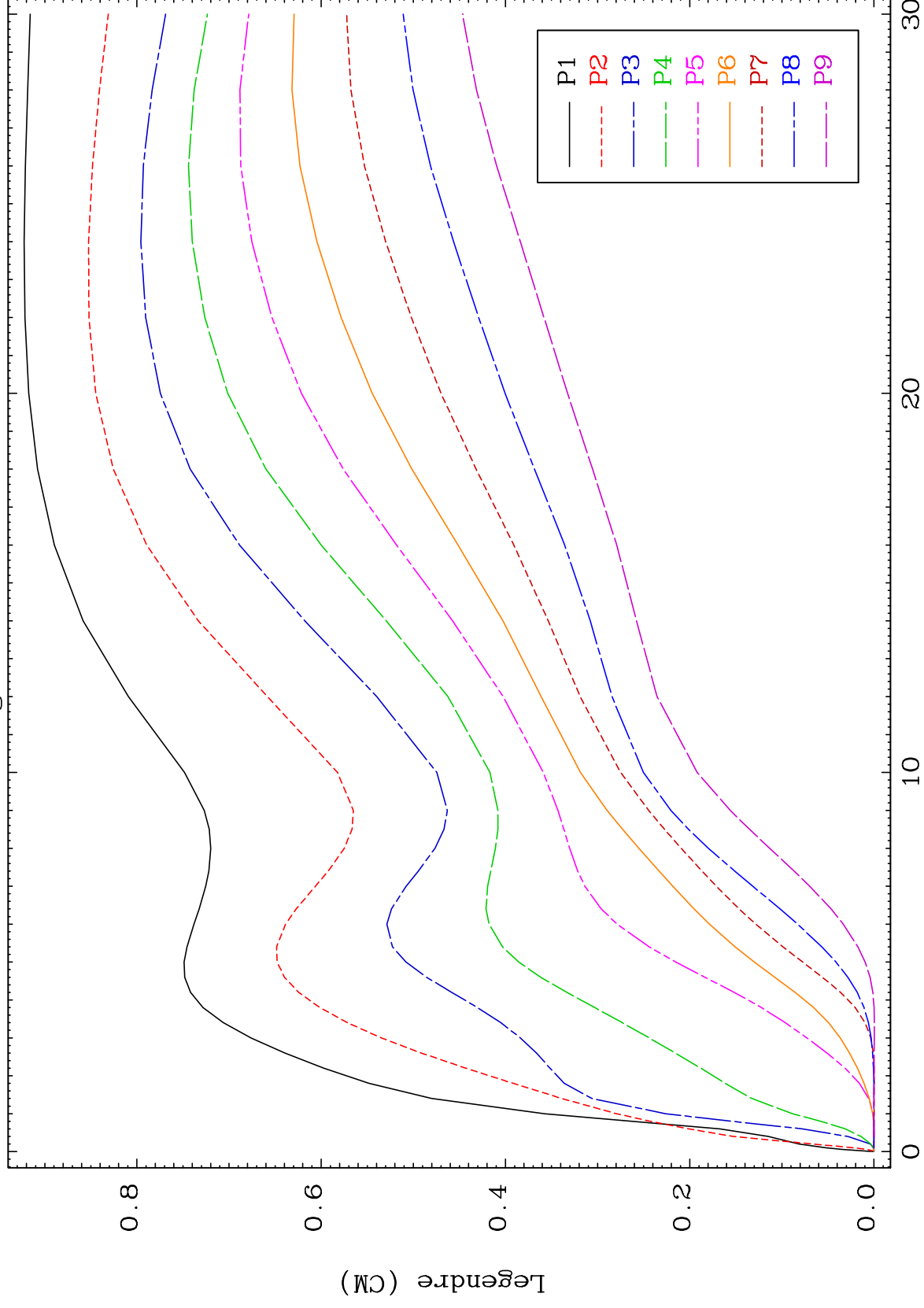
Incident Energy (MeV)

72-Hf-186

MAT 7261

Elastic Legendre Coefficients

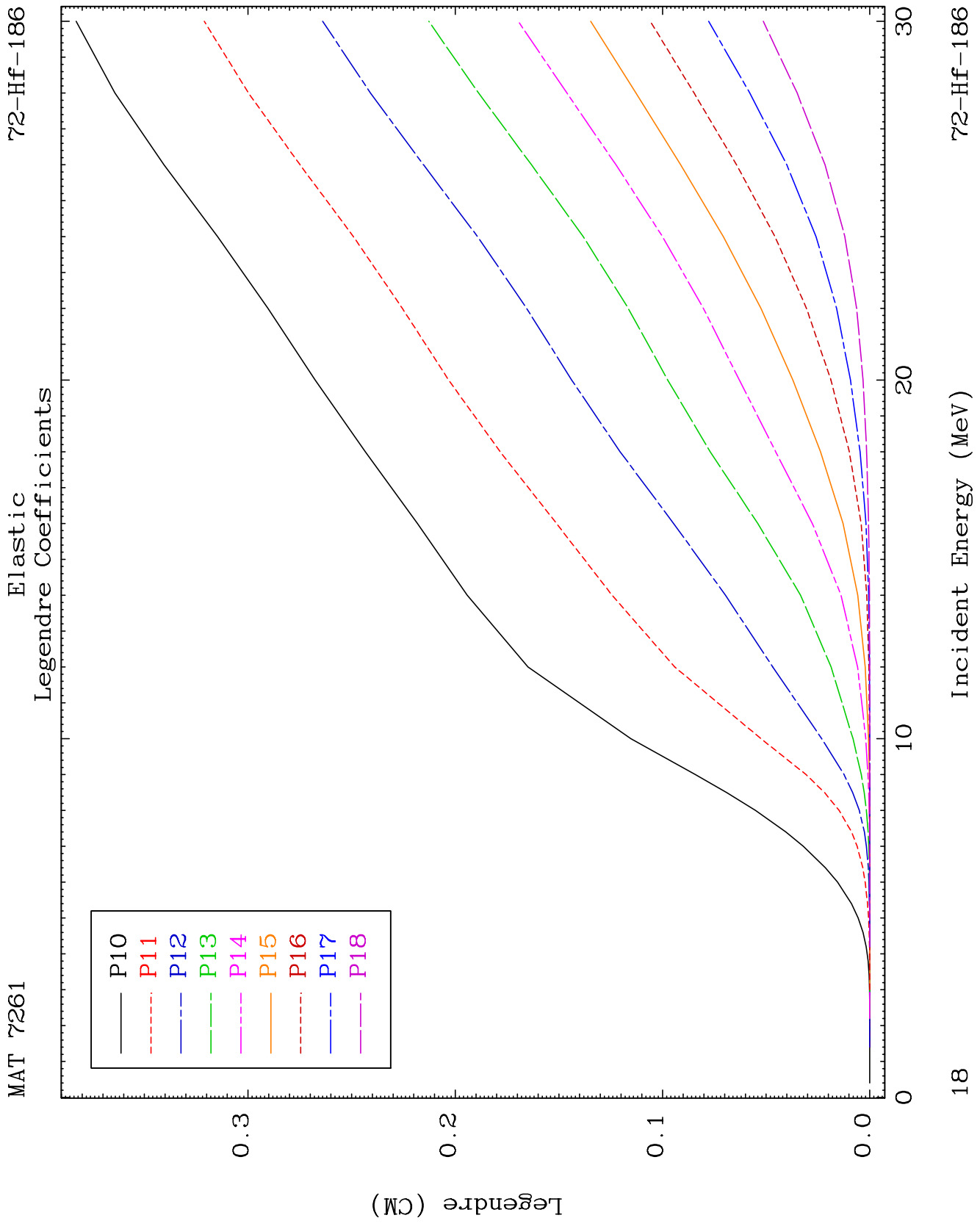
72-Hf-186

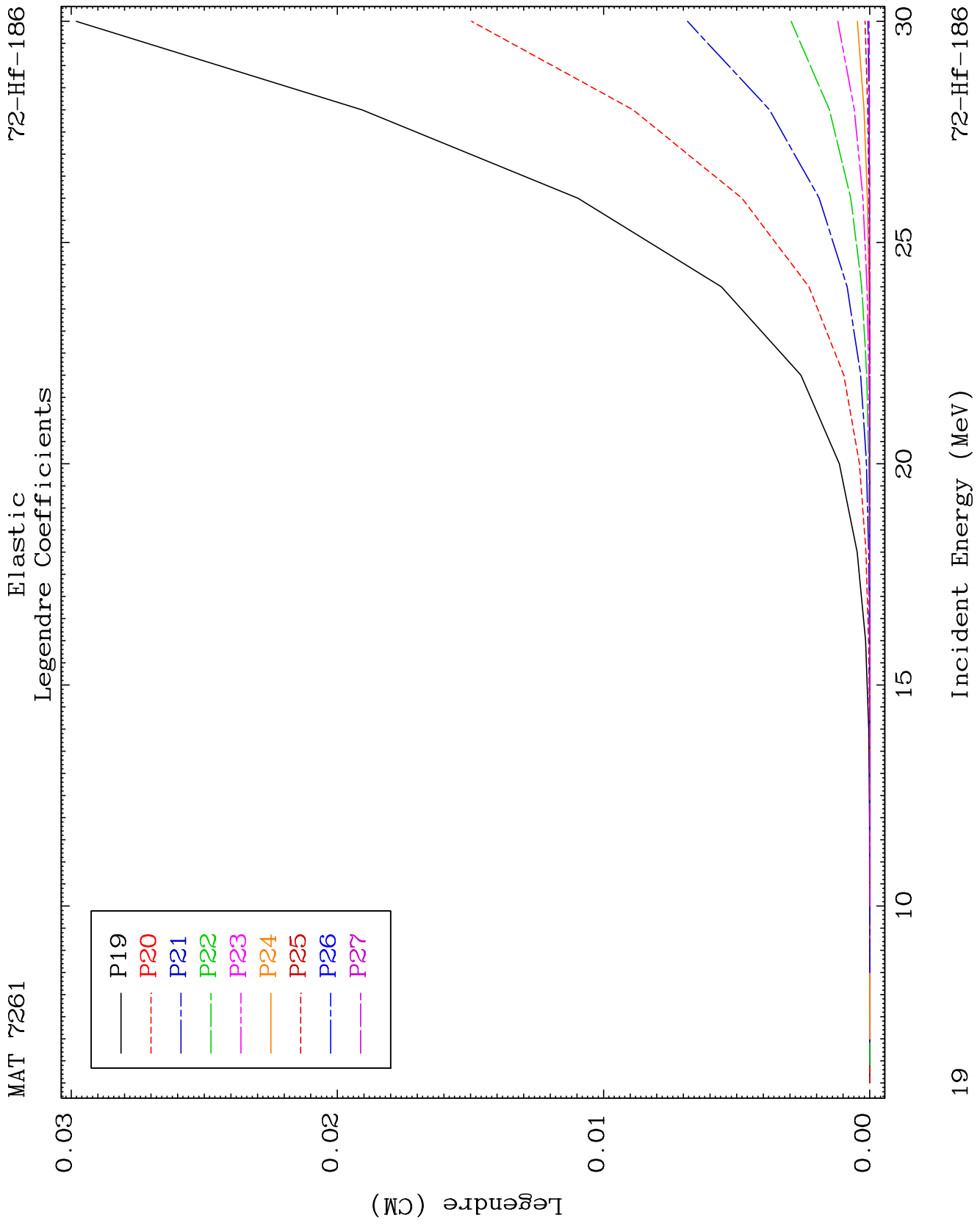


17

Incident Energy (MeV)

72-Hf-186

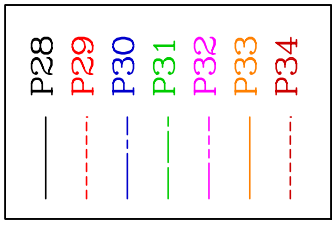




MAT 7261

Elastic  
Legendre Coefficients

72-Hf-186



$\times 10^{-6}$

Legendre (CM)

10

15

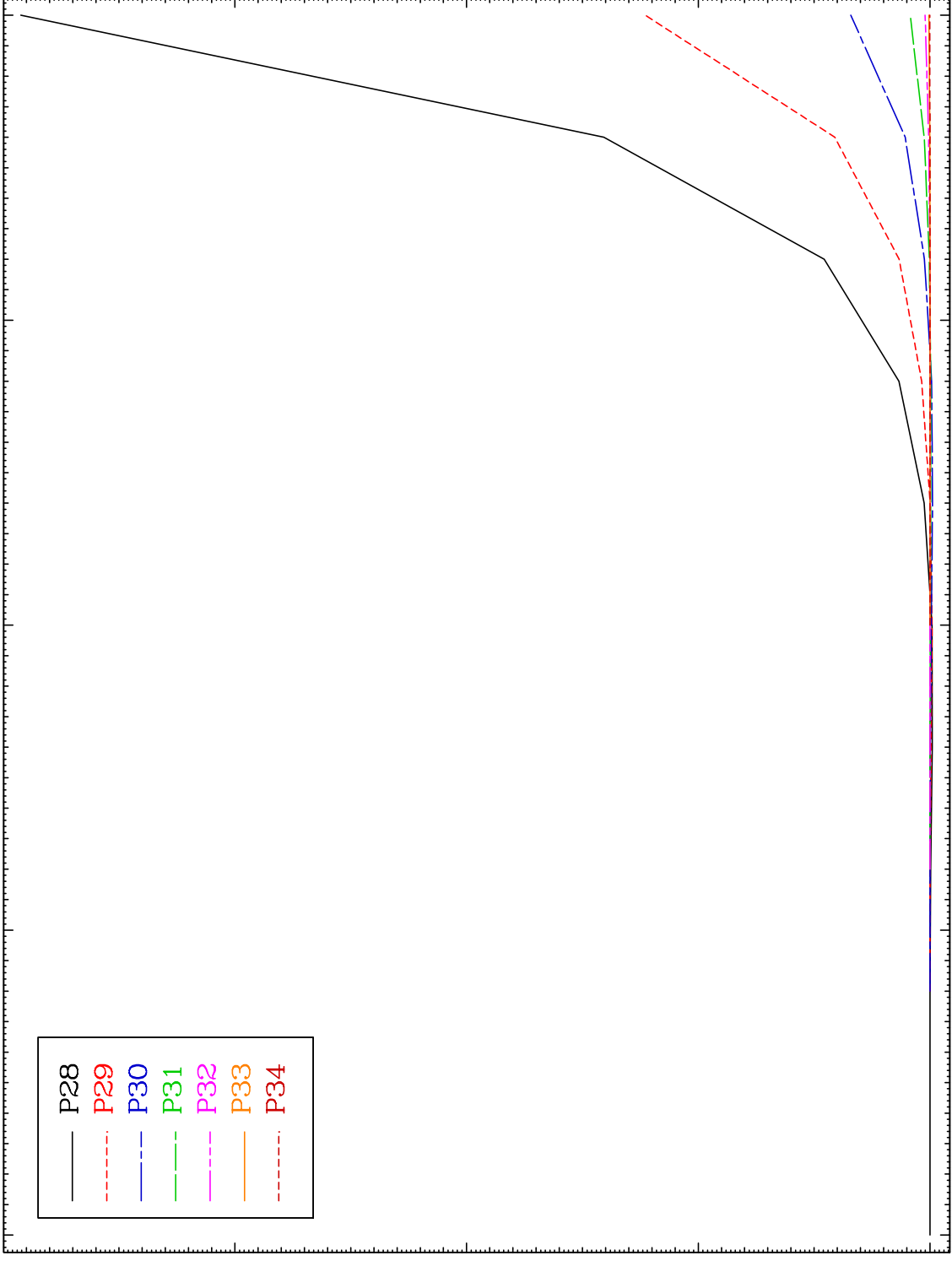
20

25

30

Incident Energy (MeV)

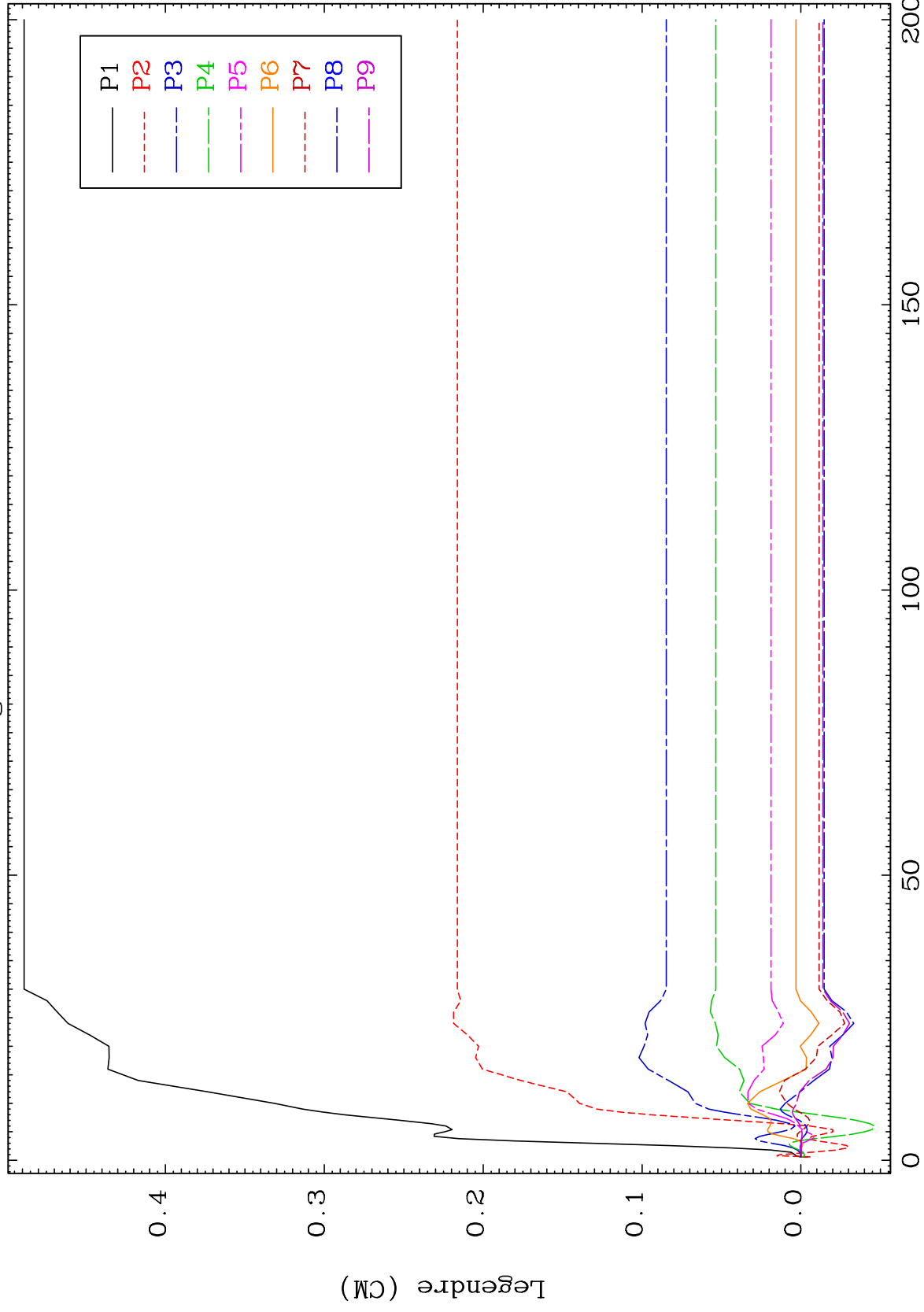
72-Hf-186



MAT 7261

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

72-Hf-186



72-Hf-186

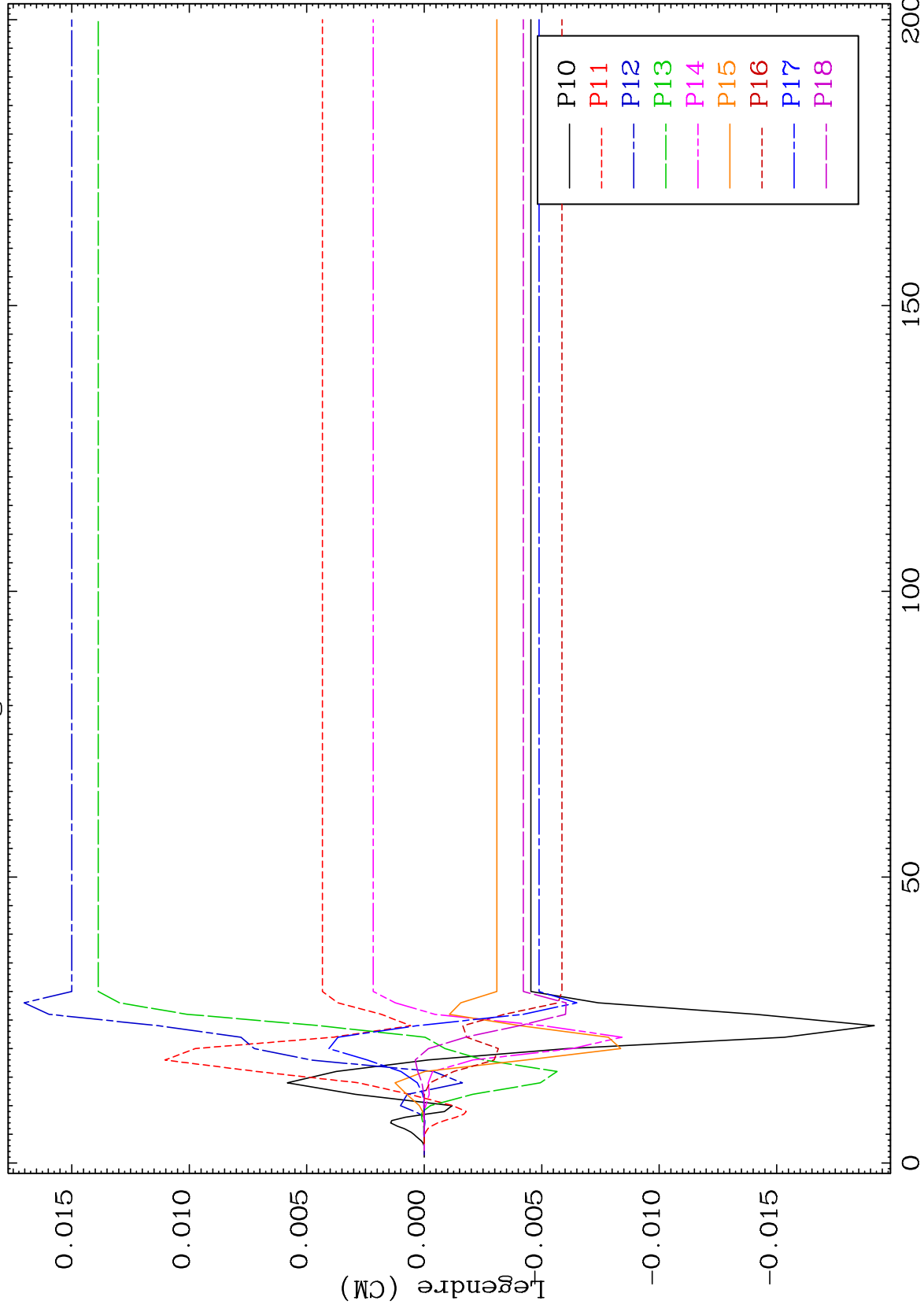
Incident Energy (MeV)

21

MAT 7261

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

72-Hf-186



22

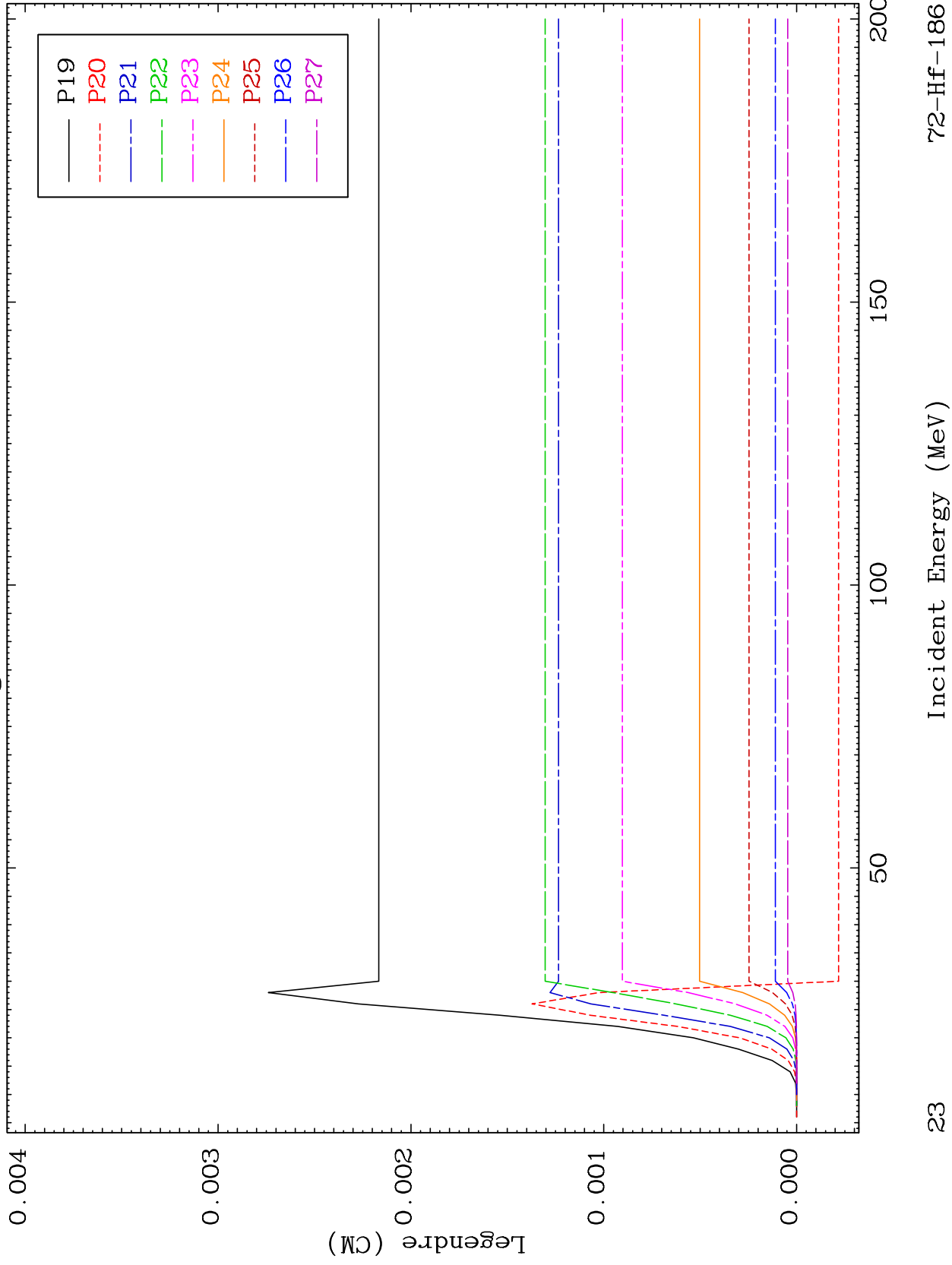
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



23

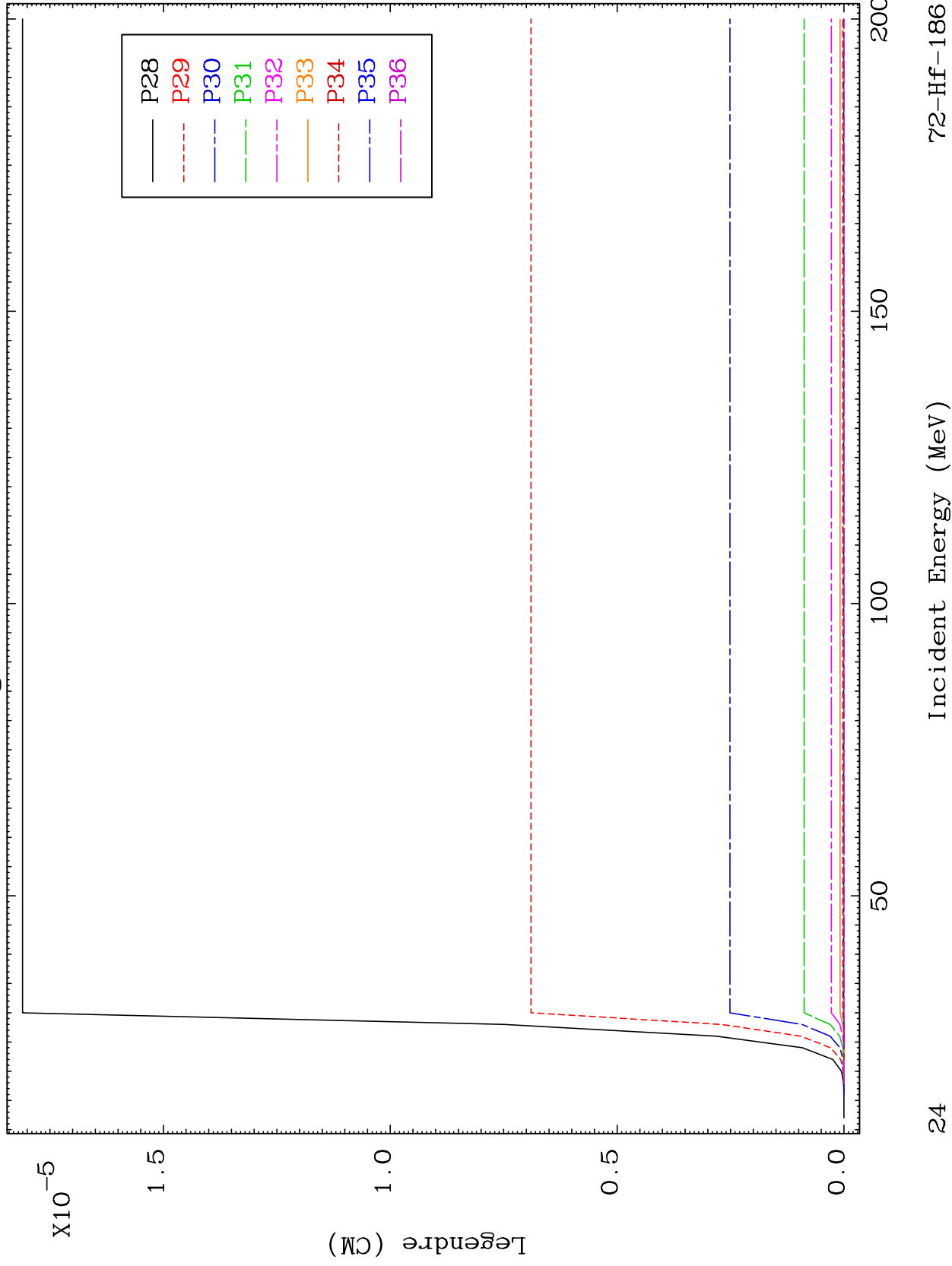
72-Hf-186



MAT 7261

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

72-Hf-186



24

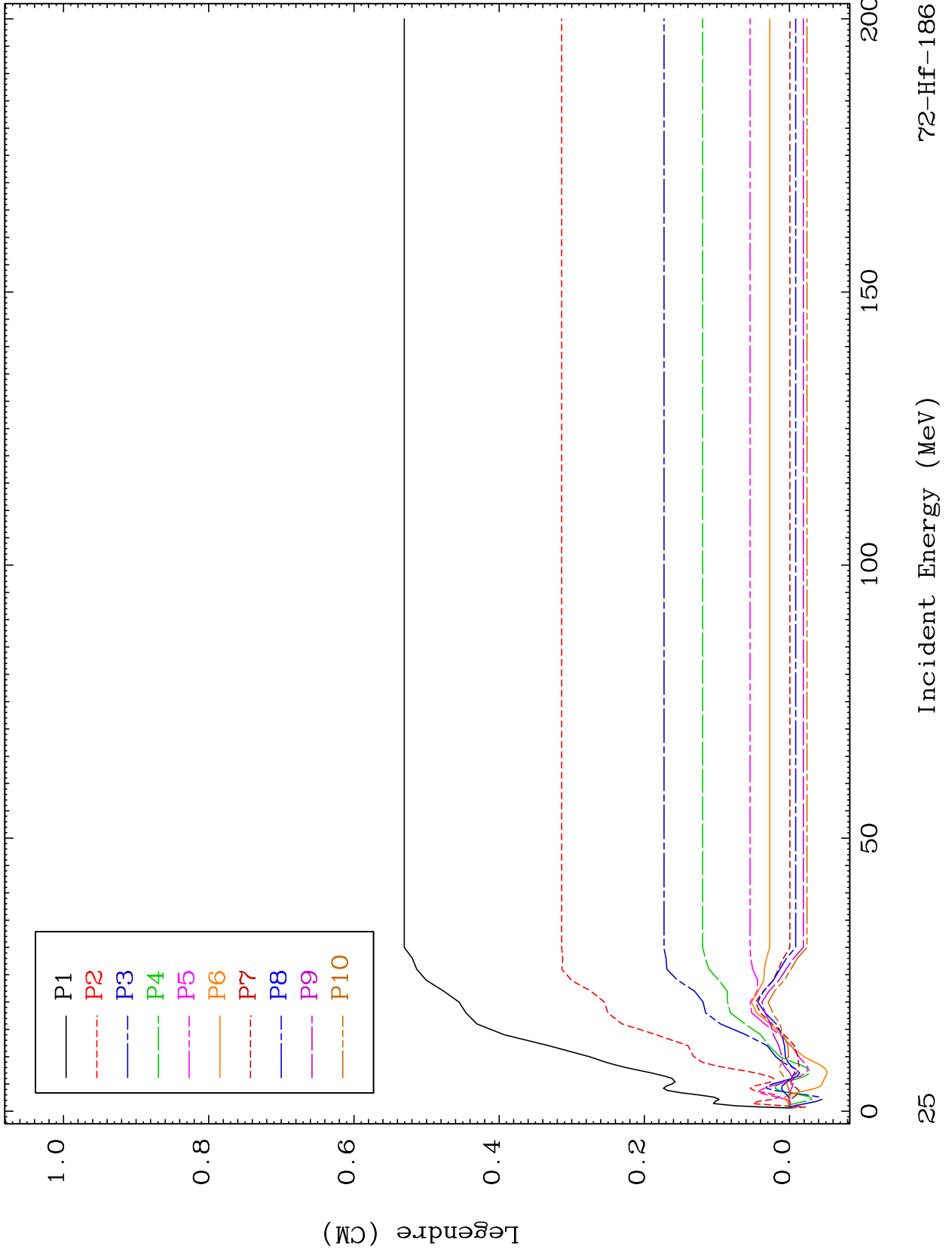
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



72-Hf-186

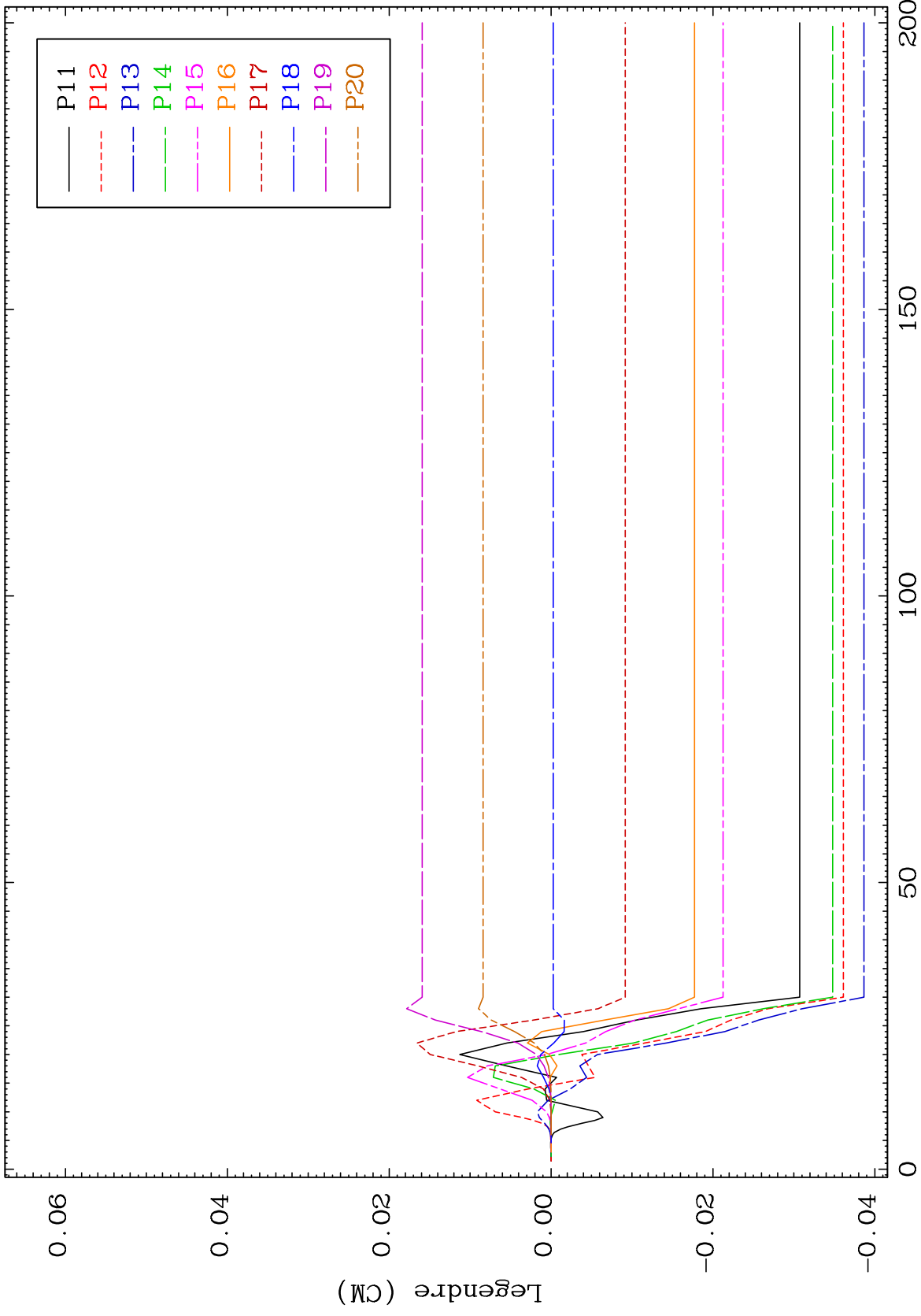
Incident Energy (MeV)

25

MAT 7261

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

72-Hf-186



26

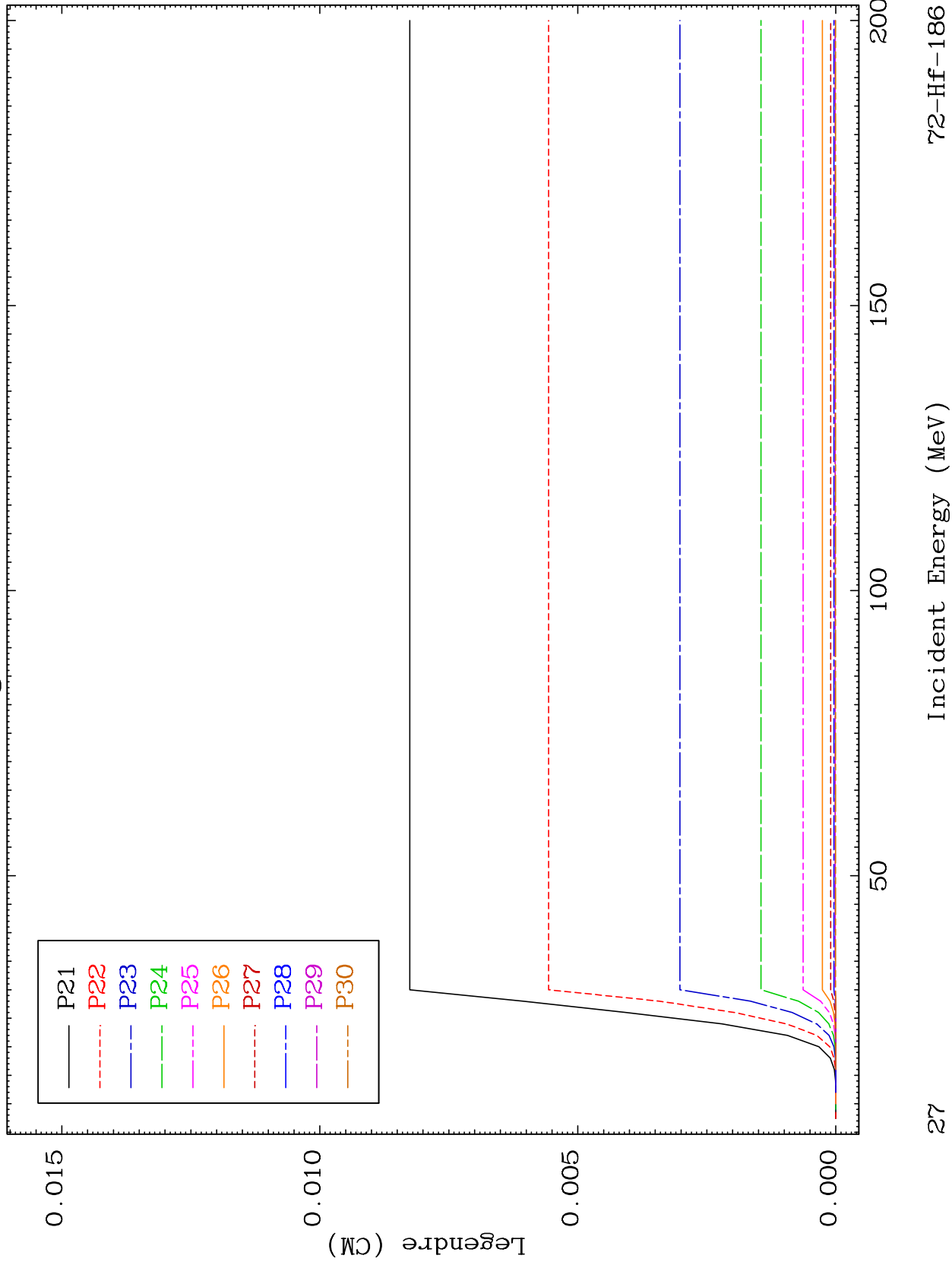
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



27

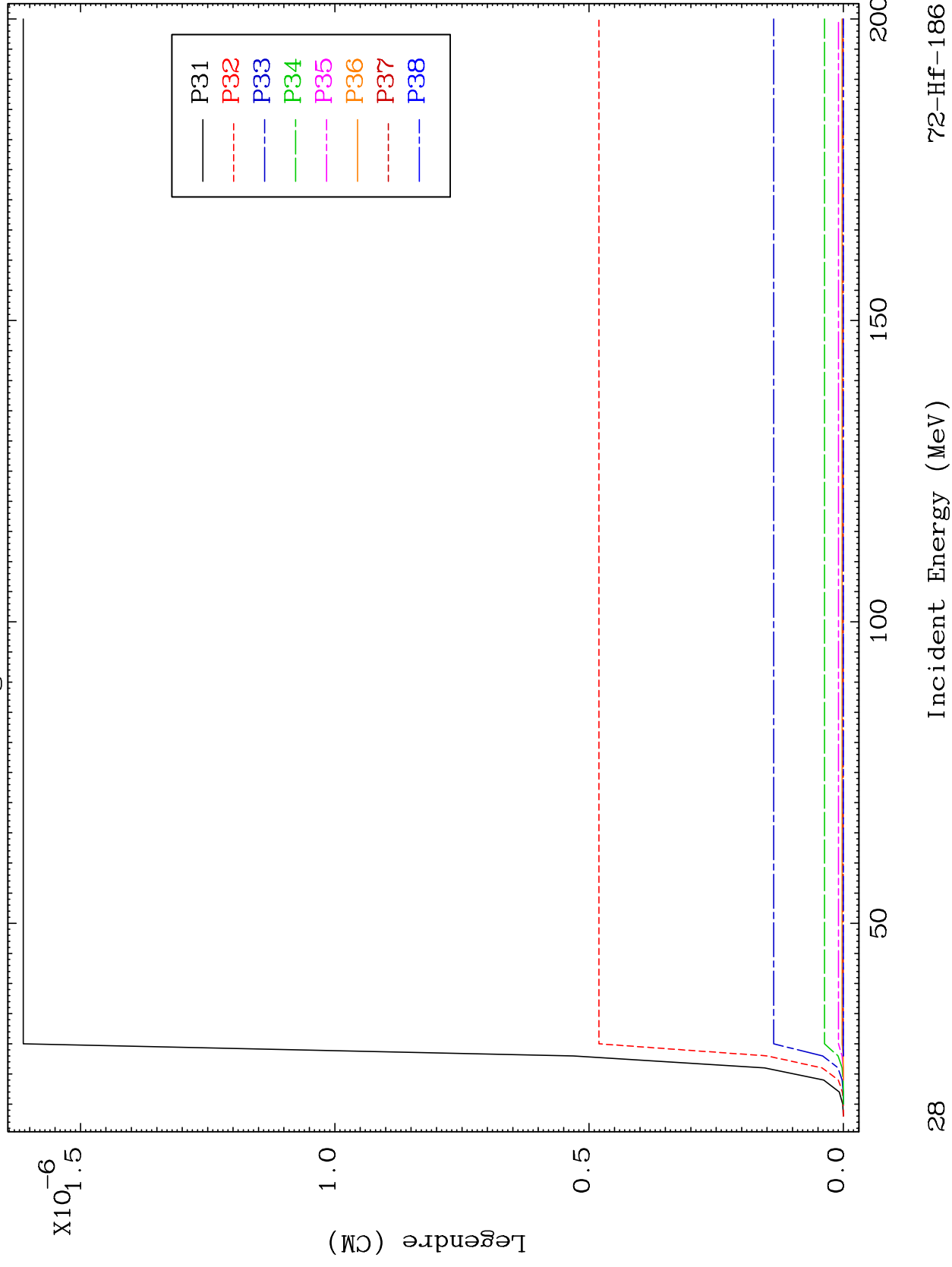
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

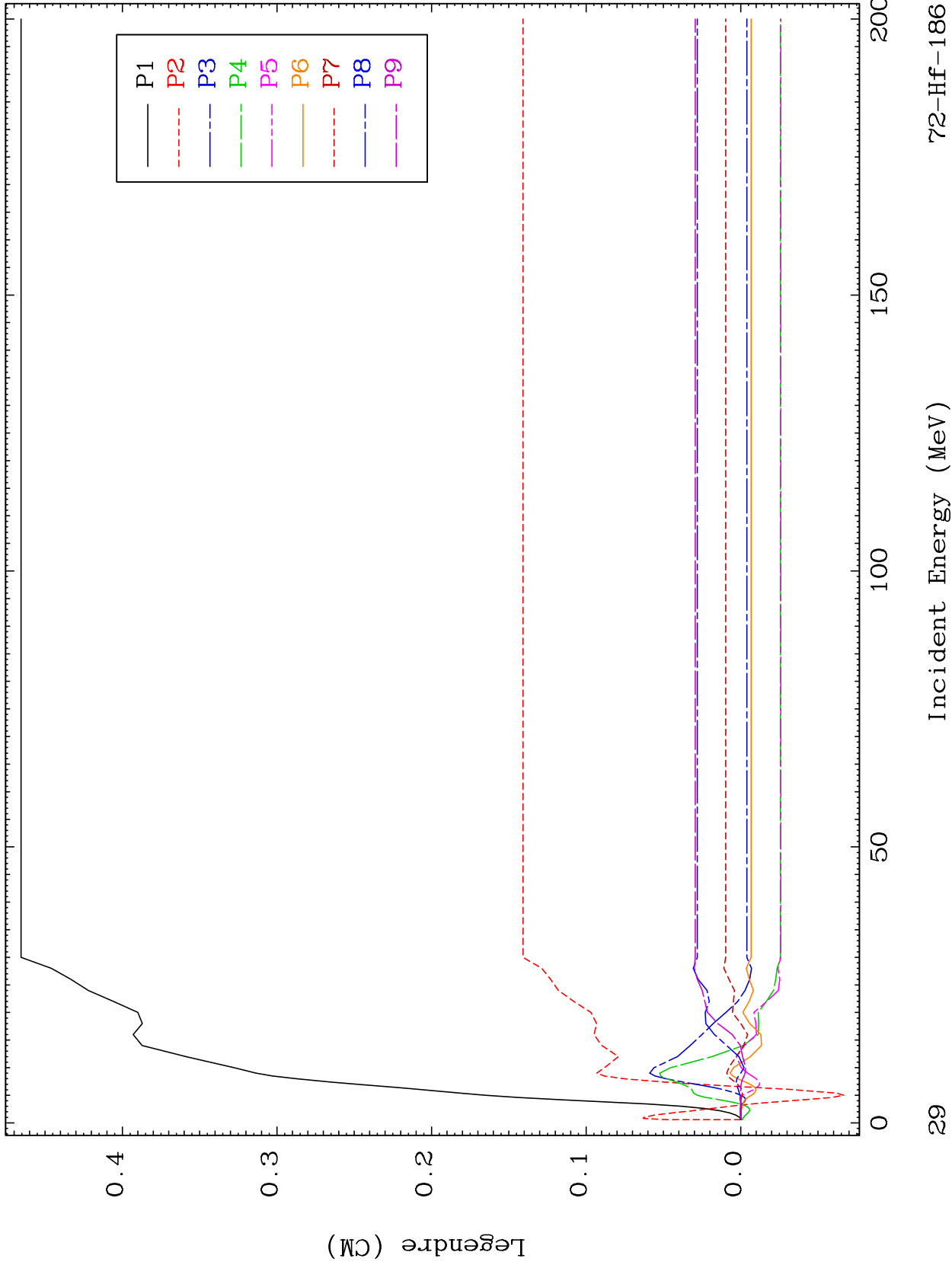
72-Hf-186



28

Incident Energy (MeV)

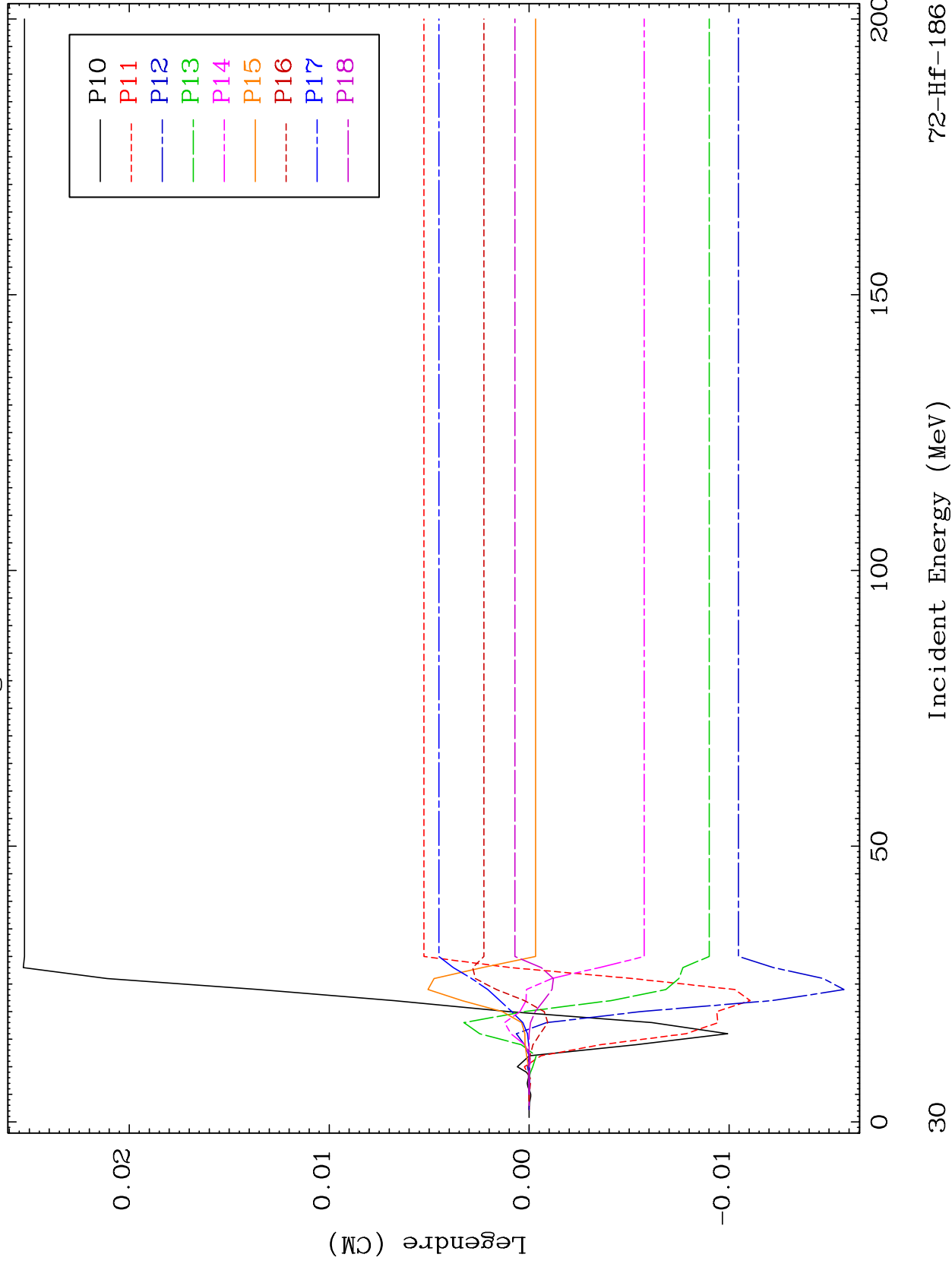
72-Hf-186



MAT 7261

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

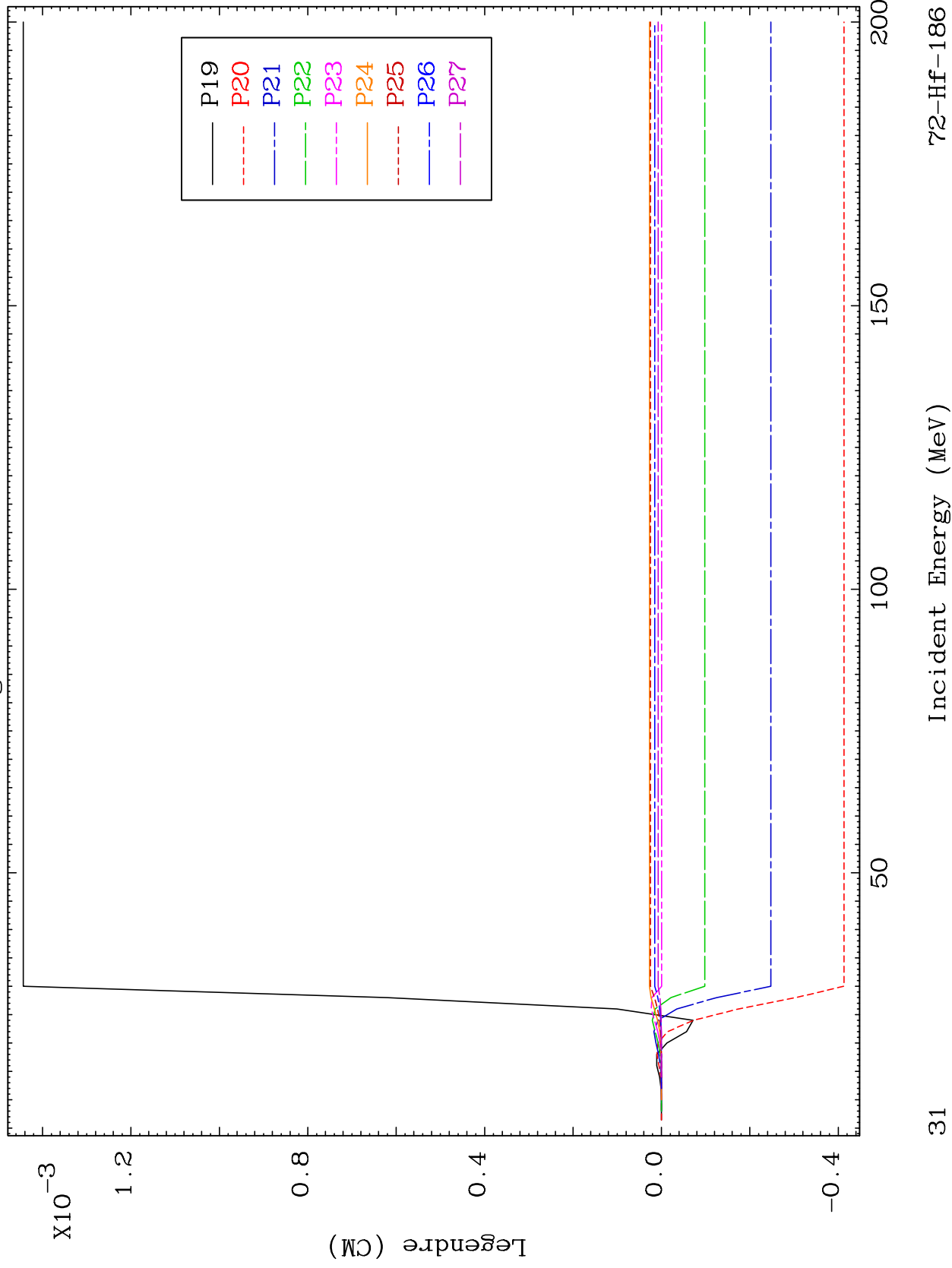
72-Hf-186



72-Hf-186

Incident Energy (MeV)

30

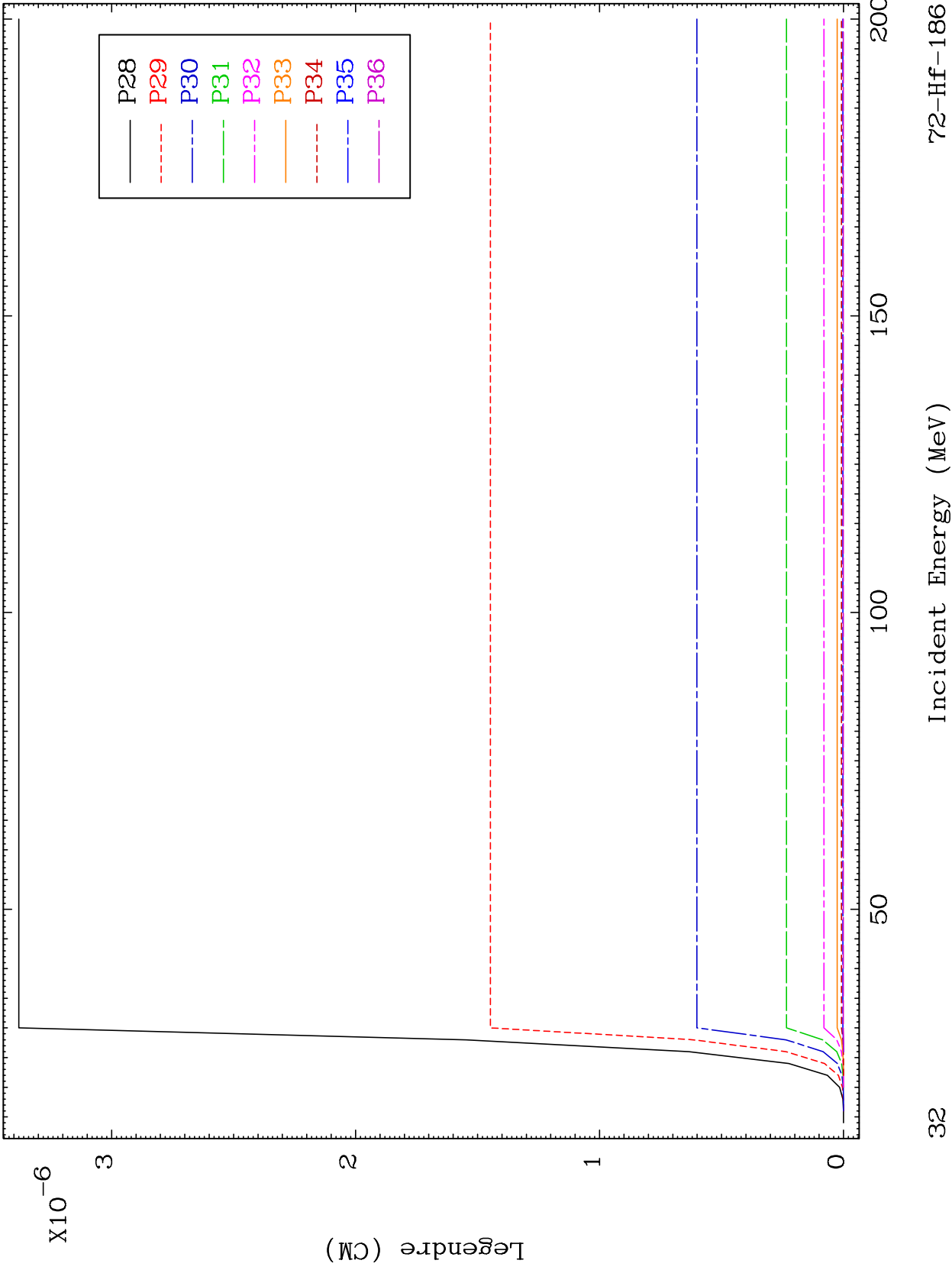




MAT 7261

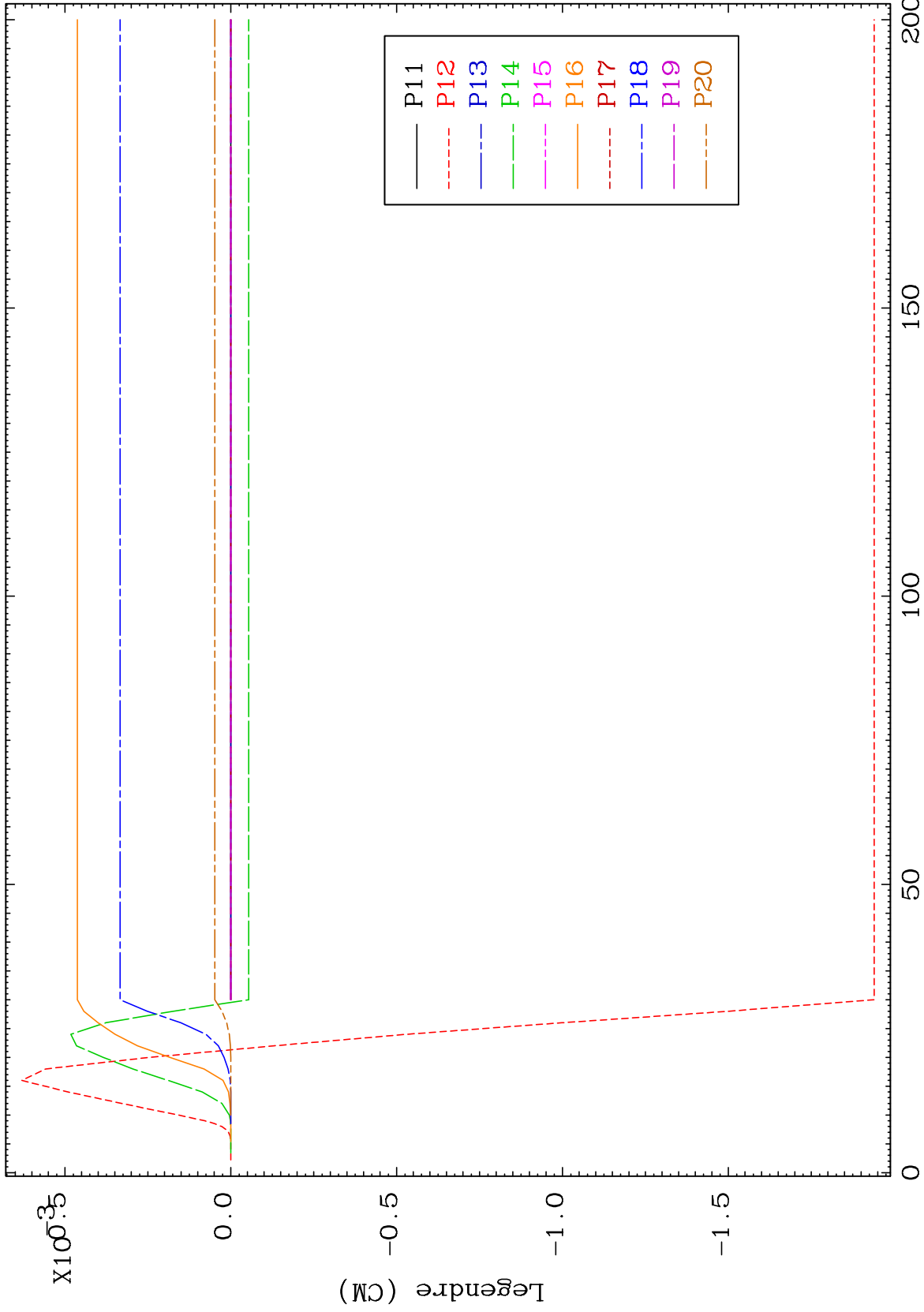
MT= 53 (n,n') Level  
Legendre Coefficients

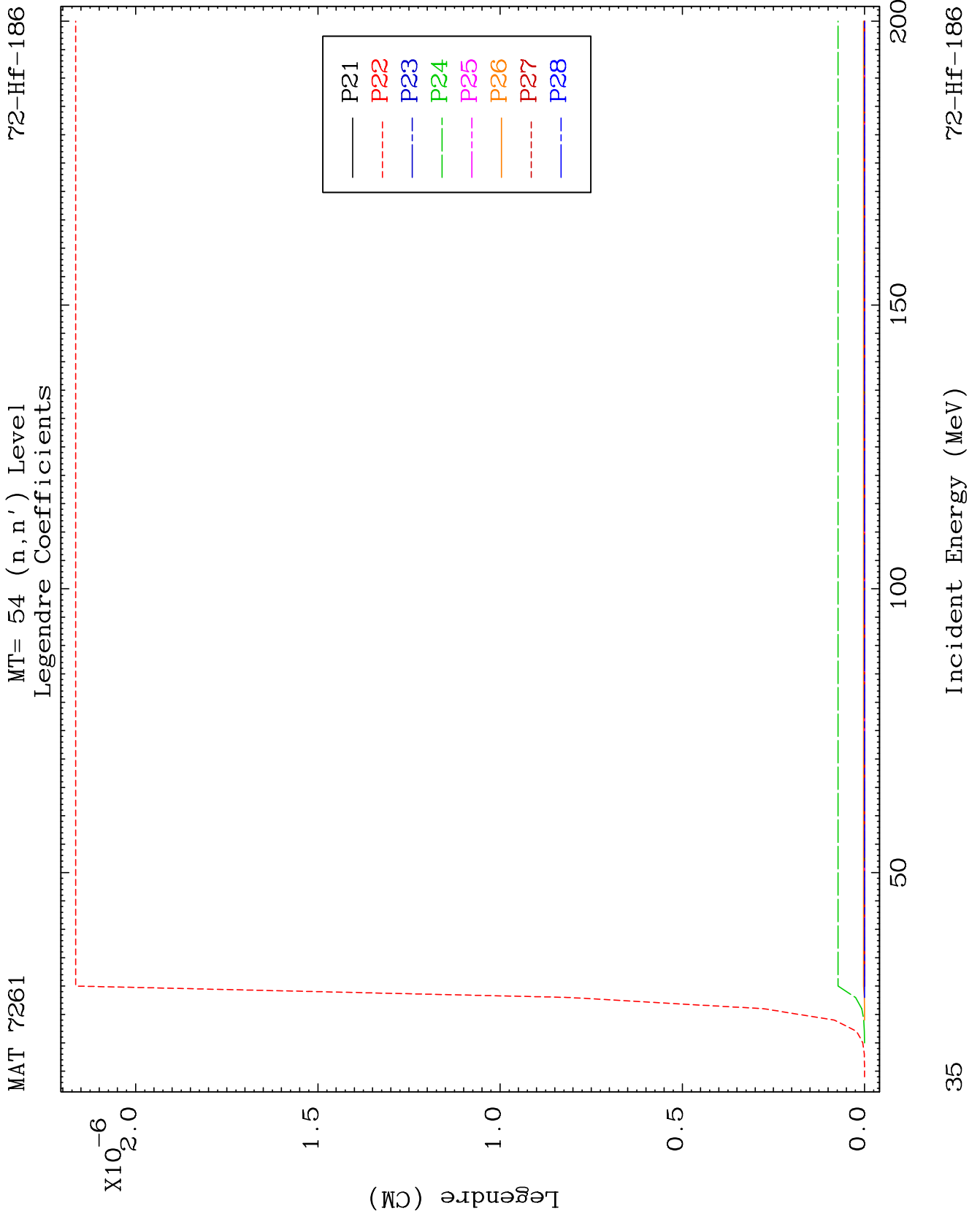
72-Hf-186



32



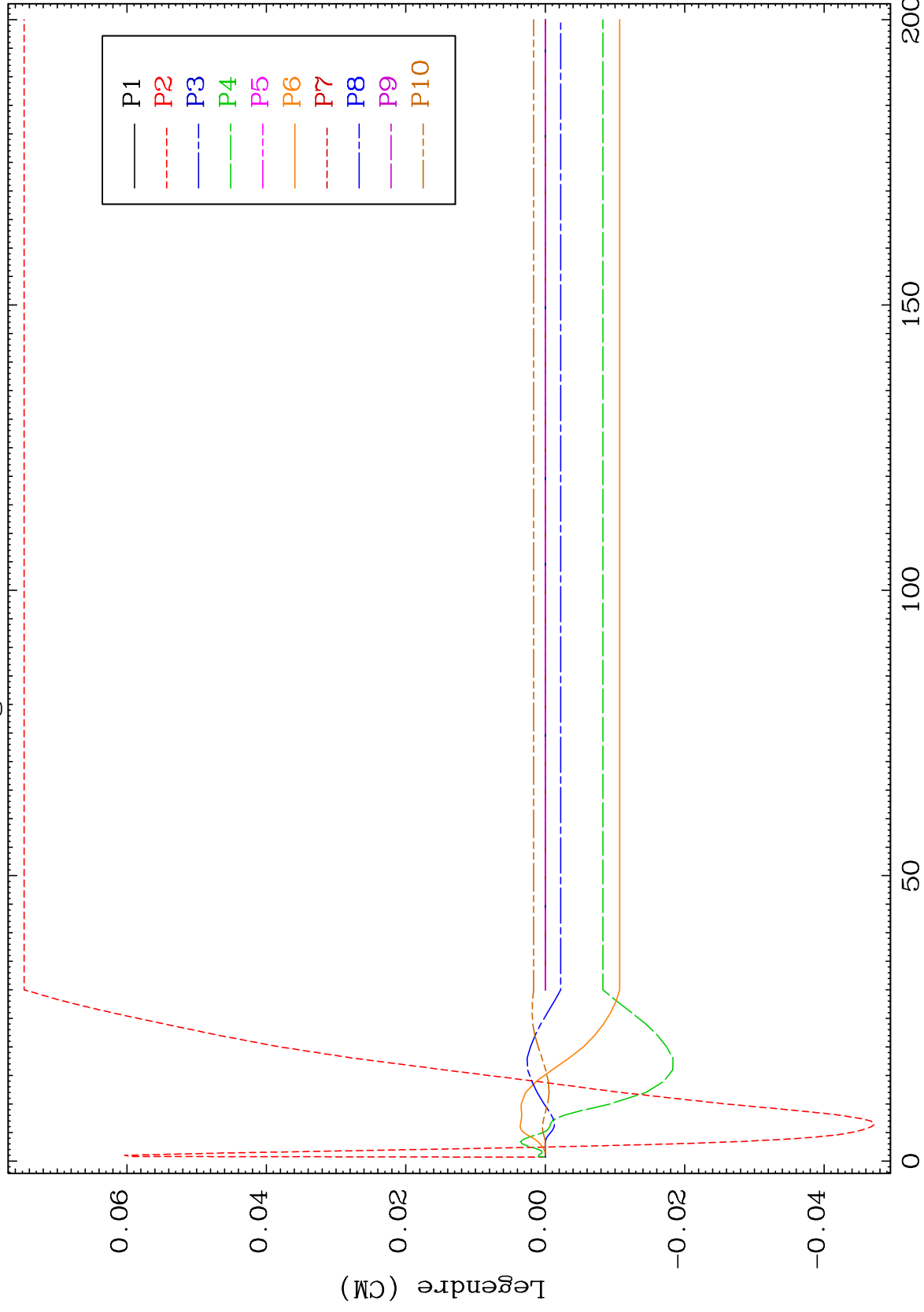




MAT 7261

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

72-Hf-186



36

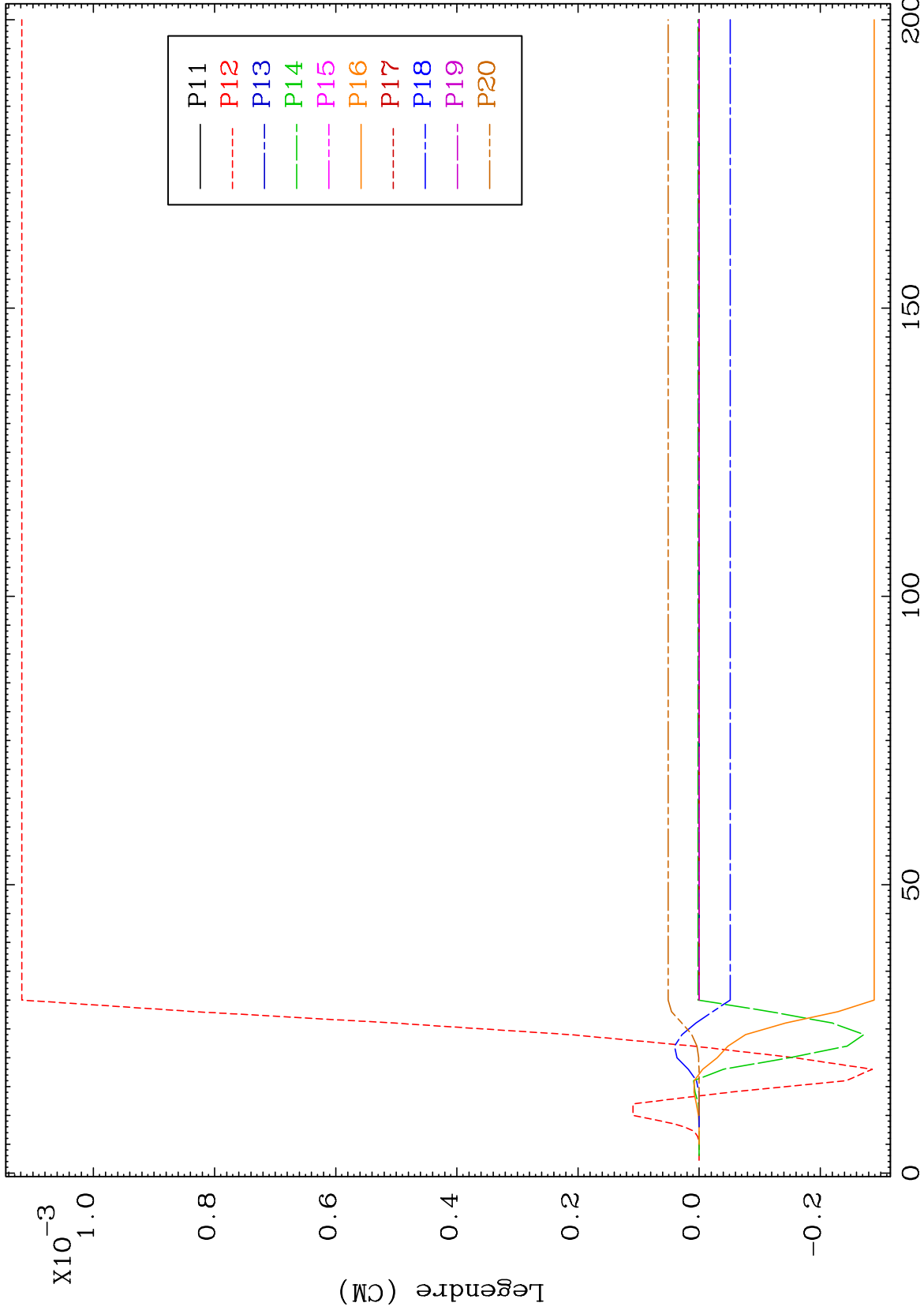
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

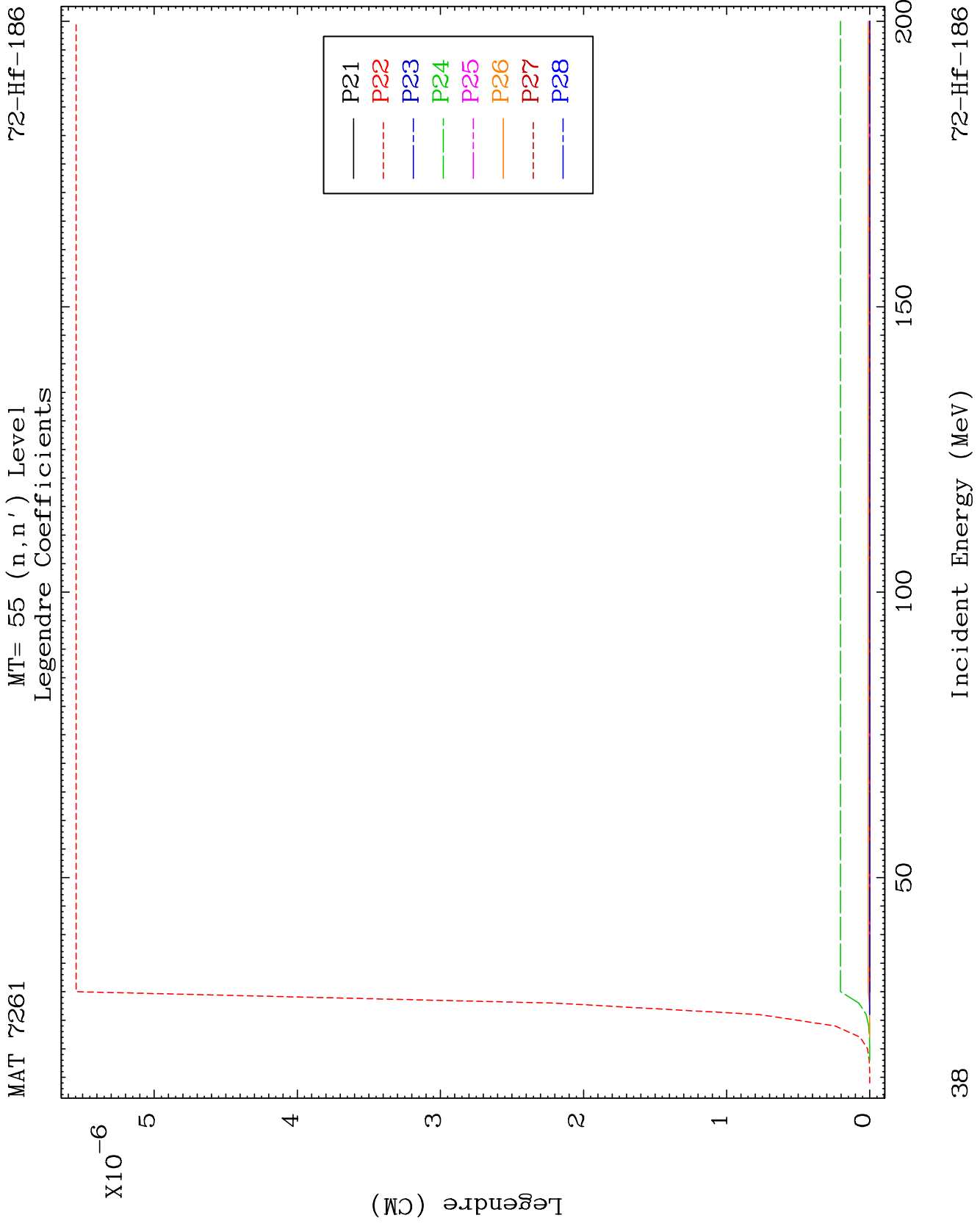
72-Hf-186



37

Incident Energy (MeV)

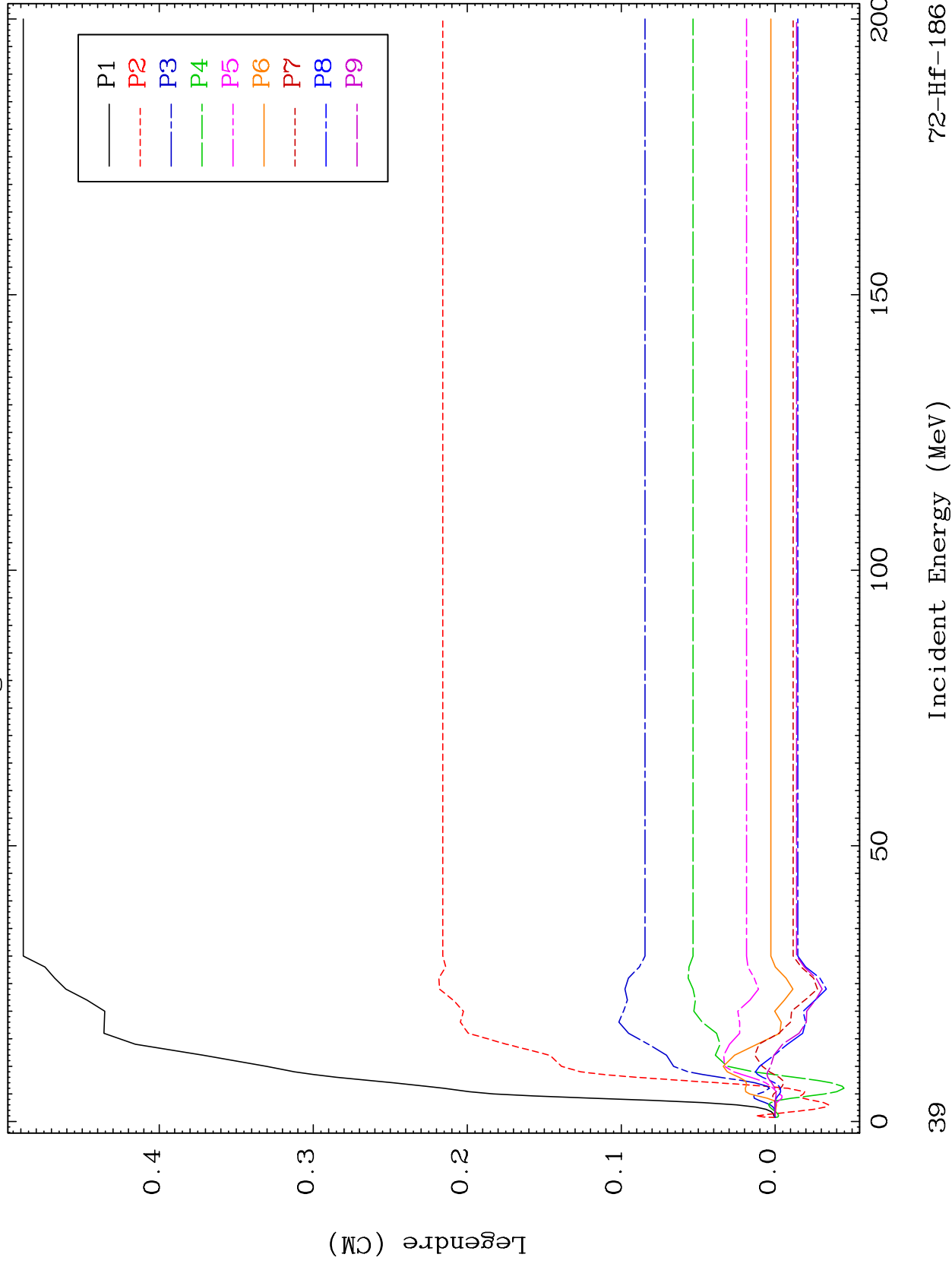
72-Hf-186



MAT 7261

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

72-Hf-186



72-Hf-186

Incident Energy (MeV)

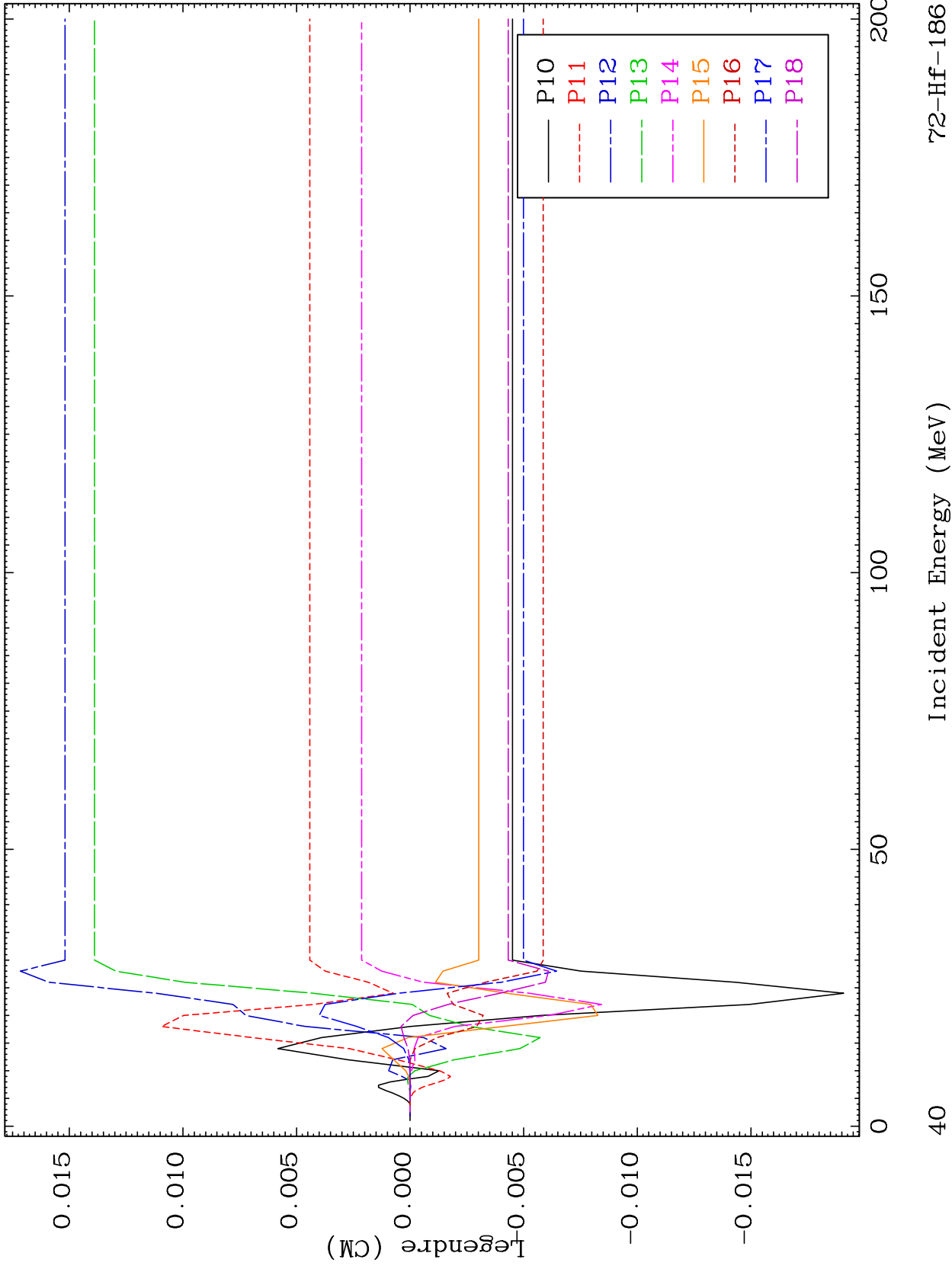
39



MAT 7261

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

72-Hf-186



72-Hf-186

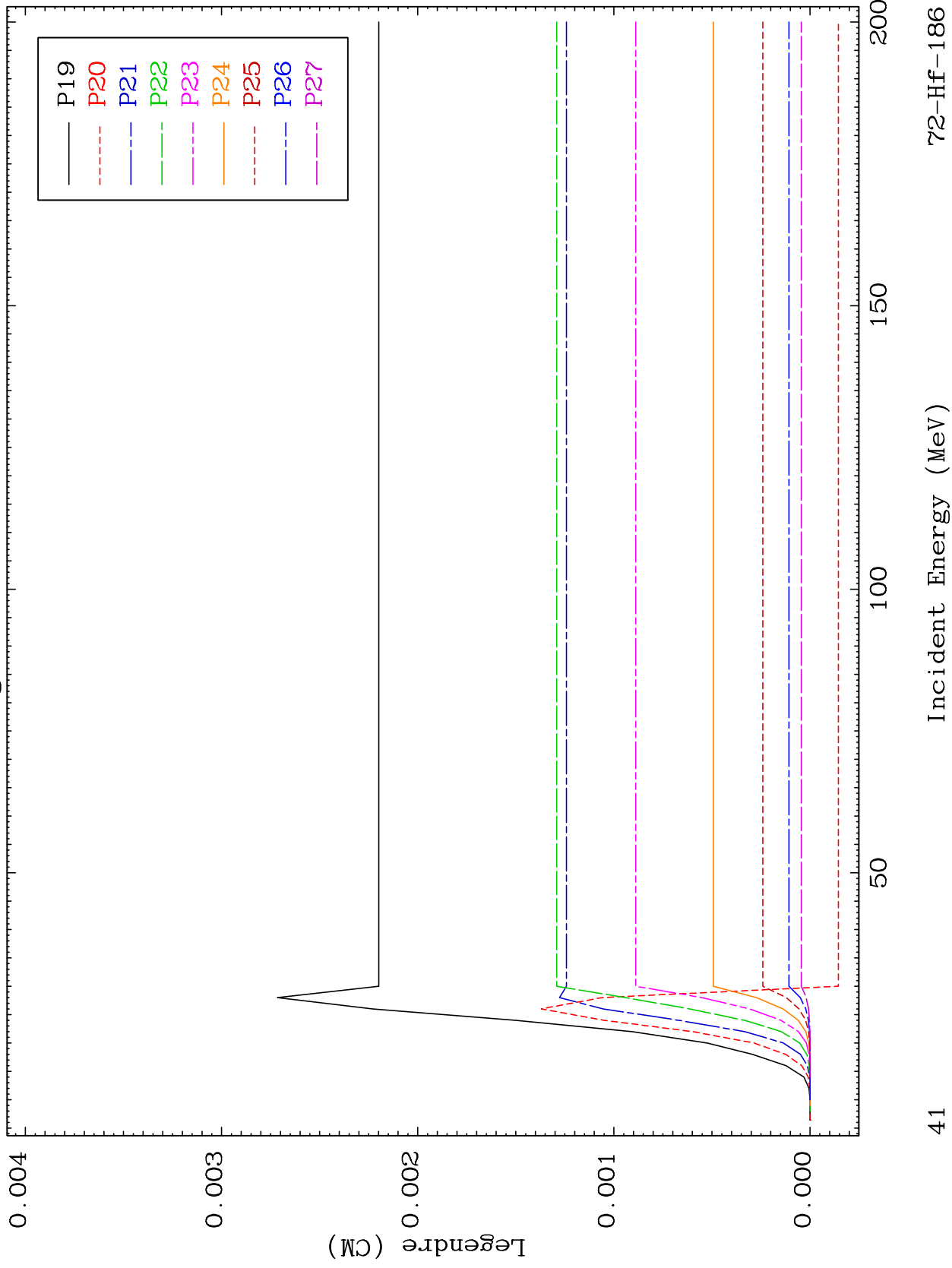
Incident Energy (MeV)

40

MAT 7261

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

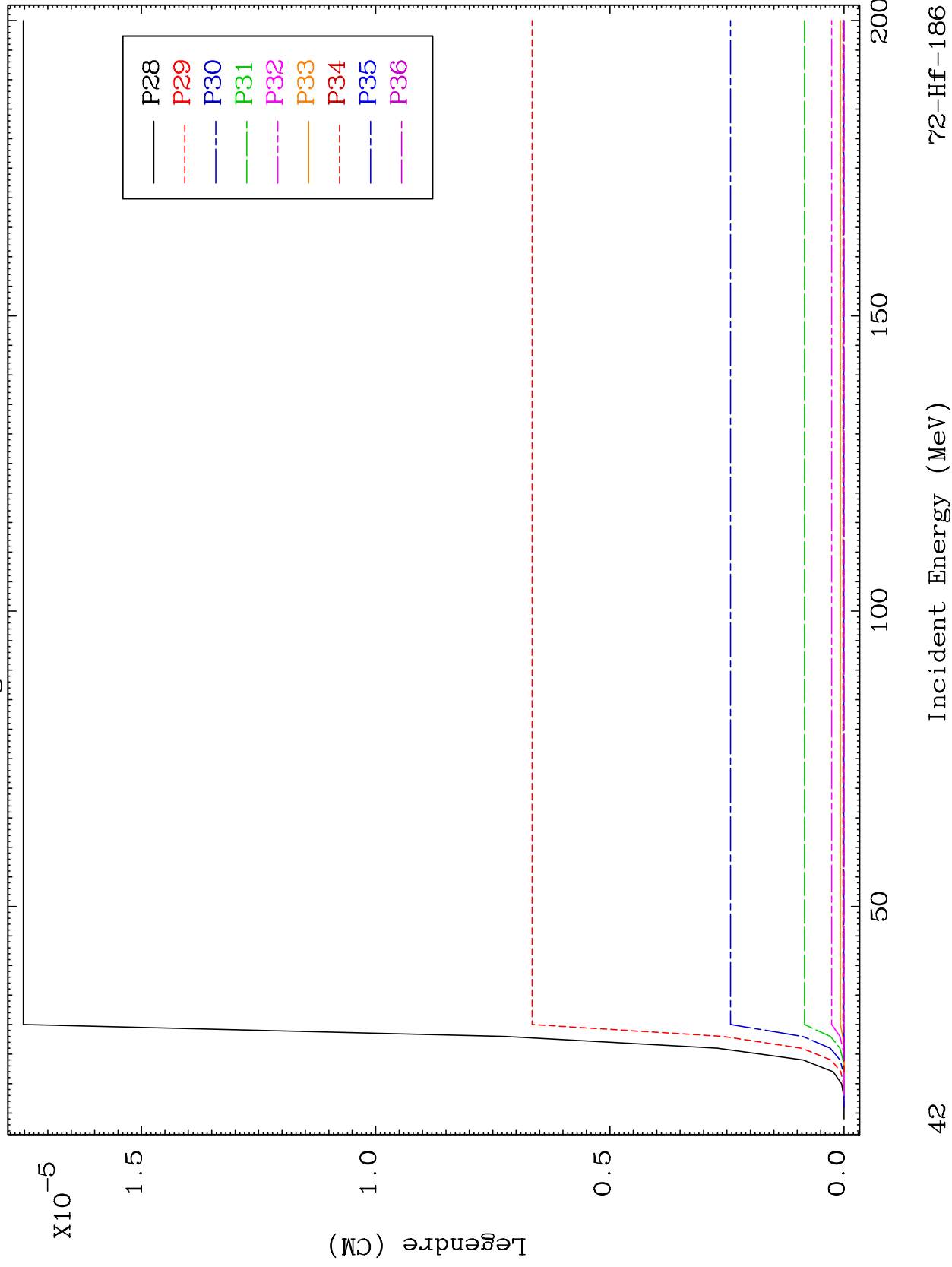
72-Hf-186



MAT 7261

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

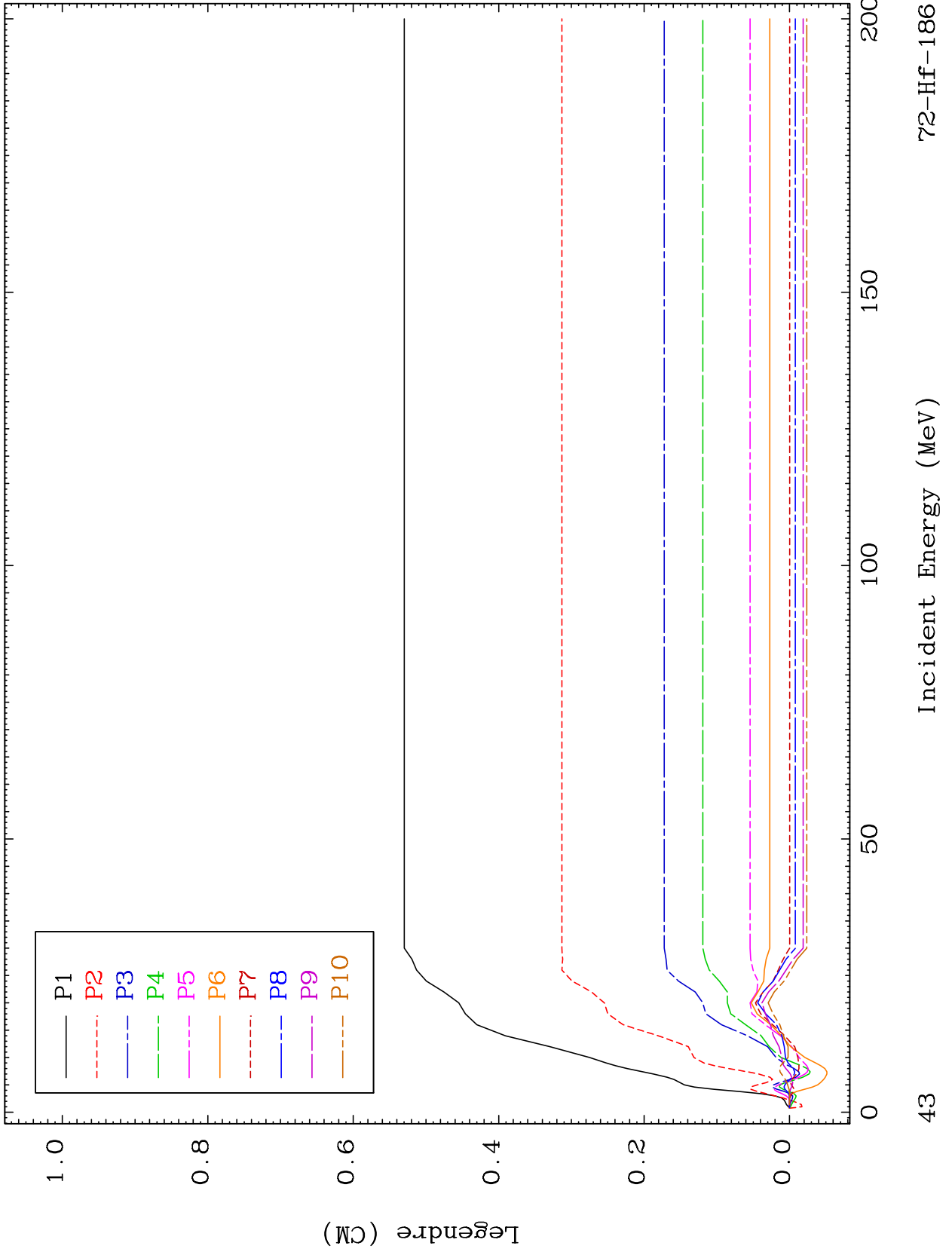
72-Hf-186



42

Incident Energy (MeV)

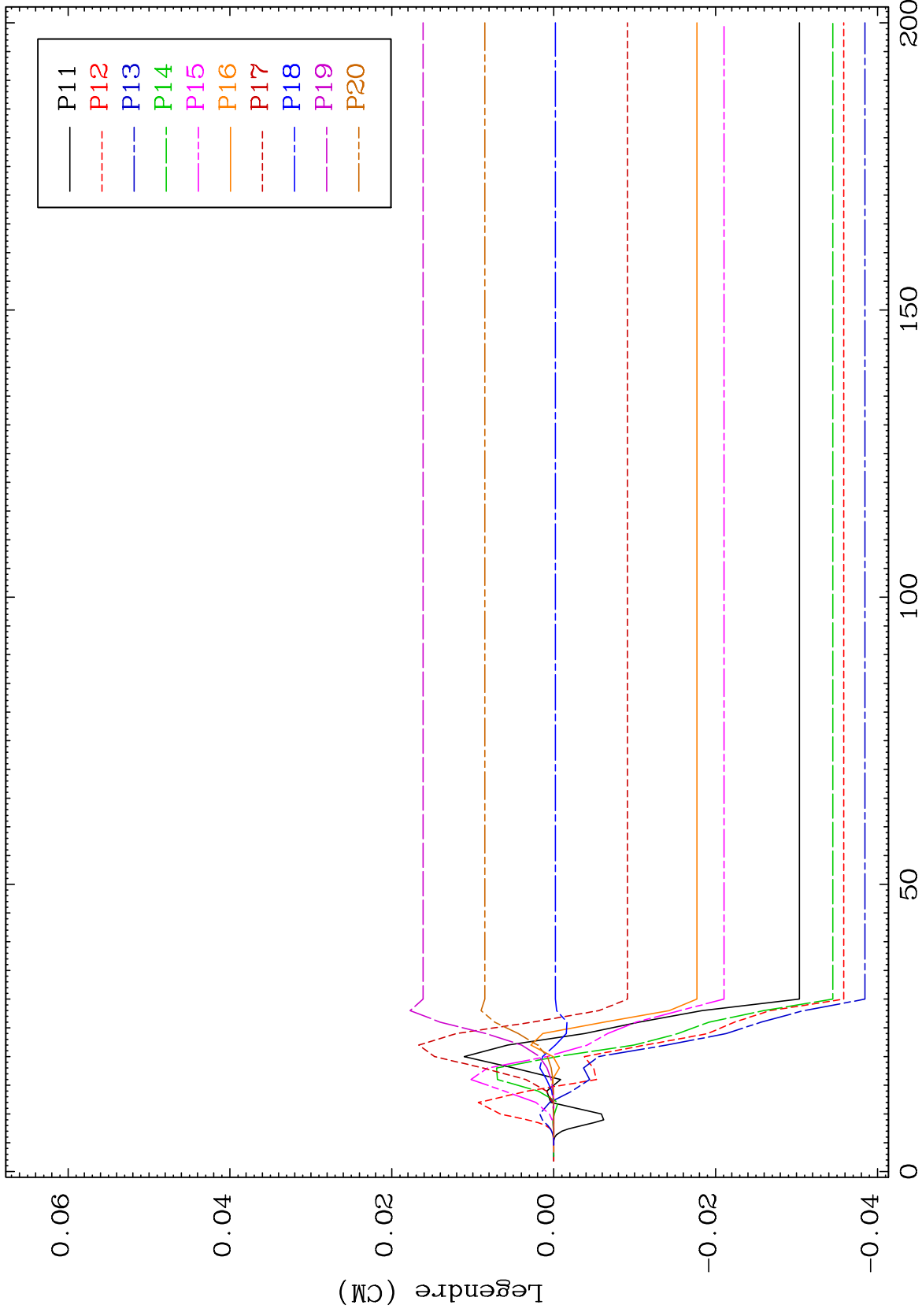
72-Hf-186



MAT 7261

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

72-Hf-186



44

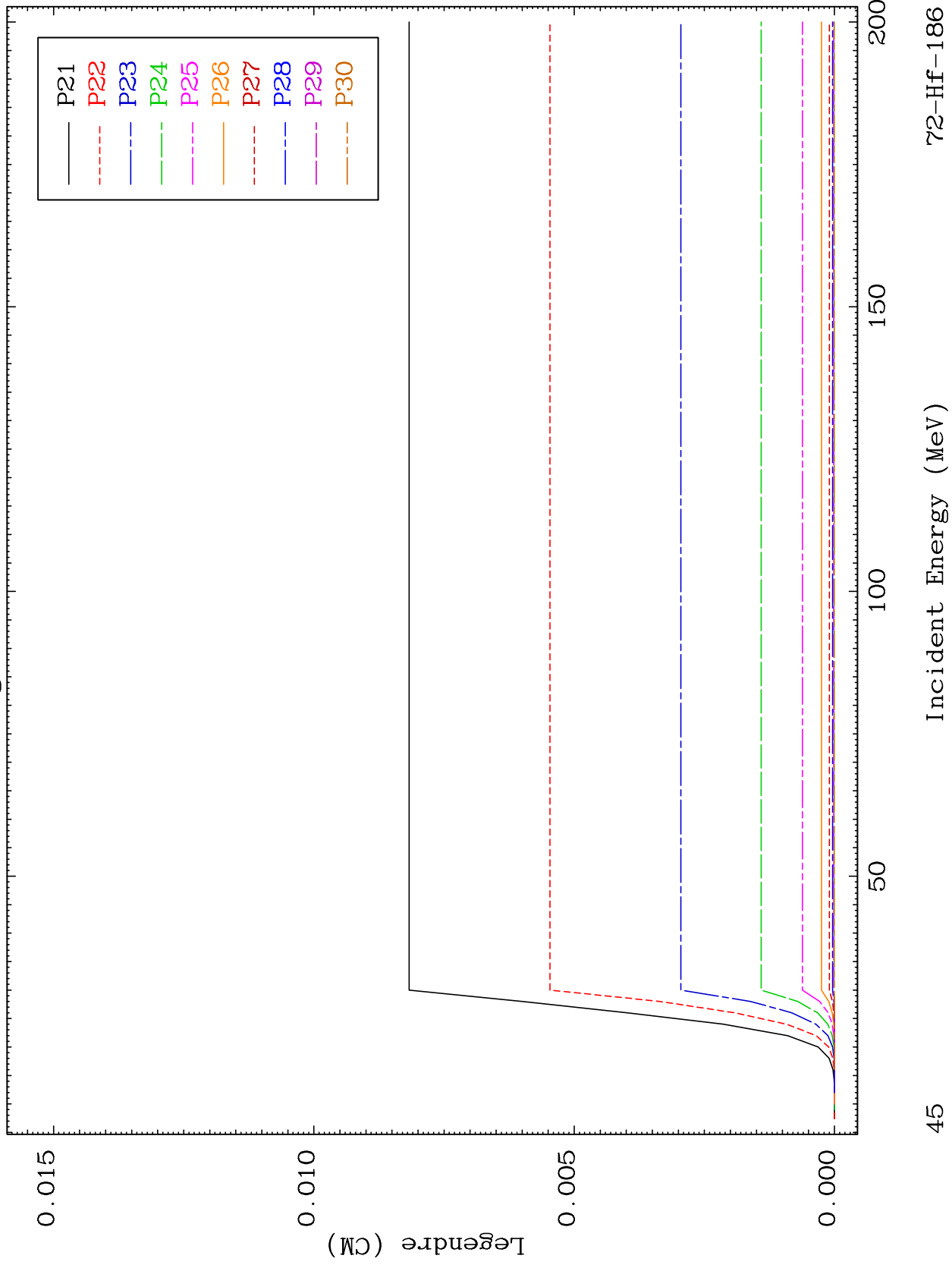
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



45

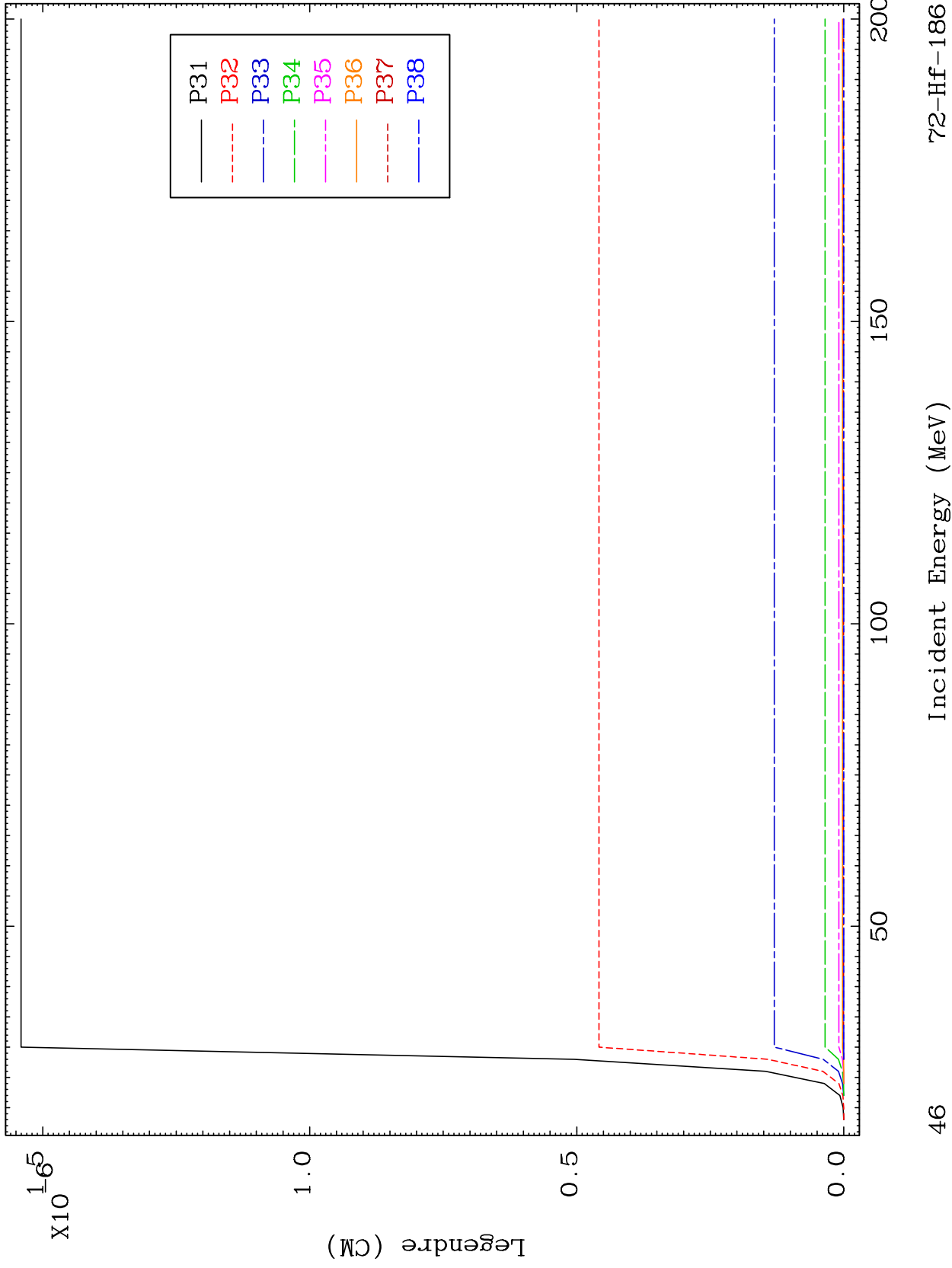
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

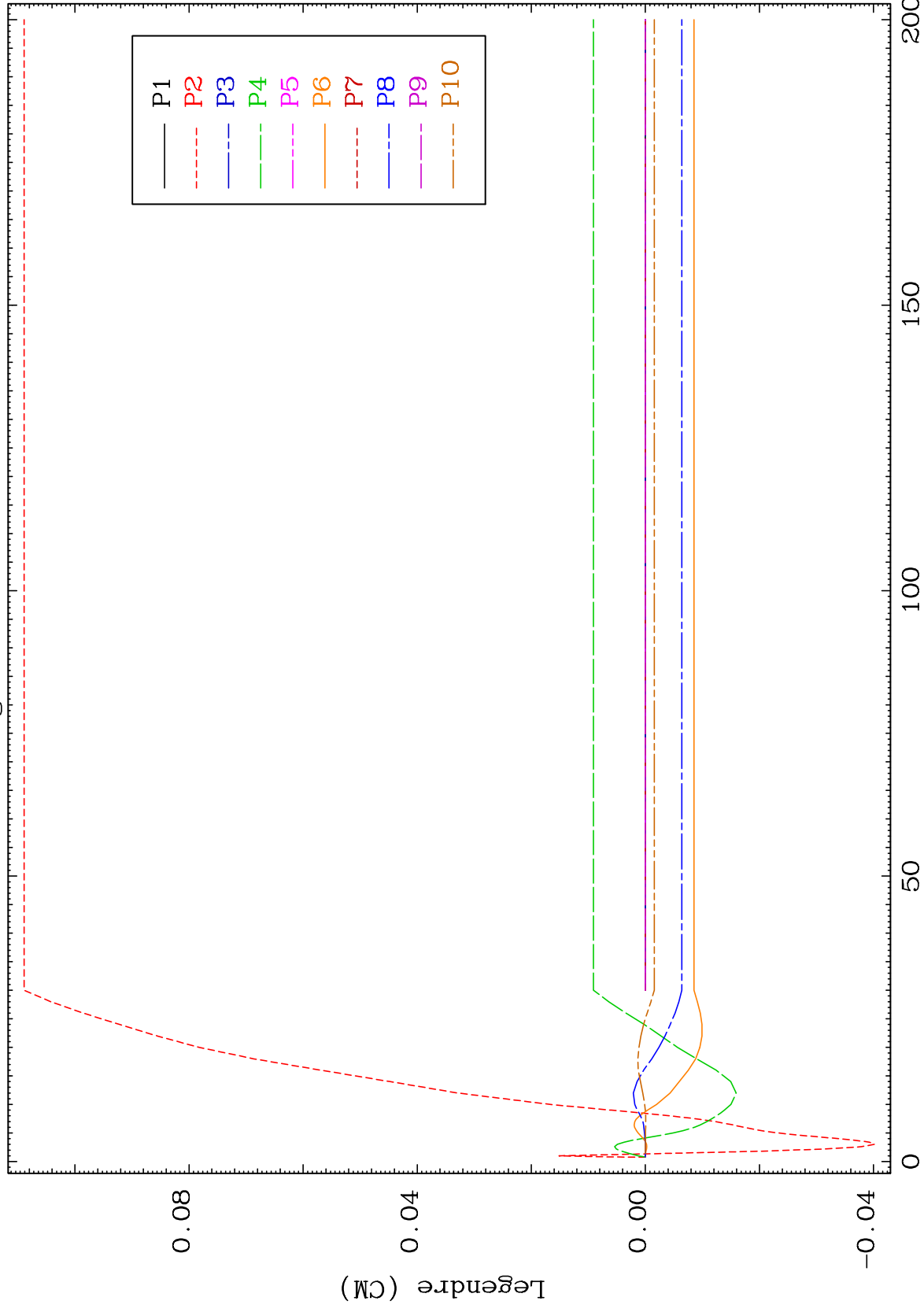
72-Hf-186



MAT 7261

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

72-Hf-186



47

Incident Energy (MeV)

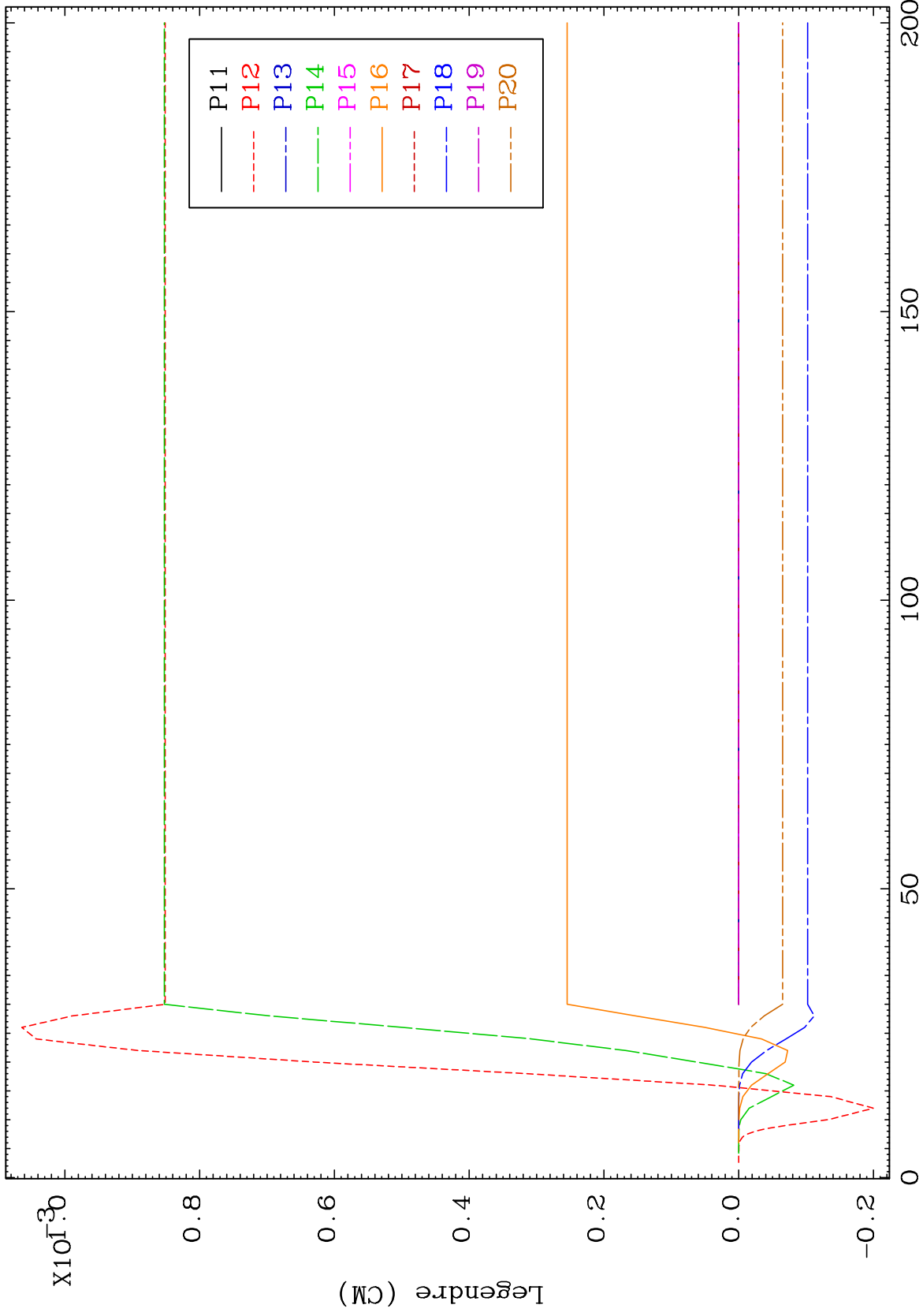
72-Hf-186



MAT 7261

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

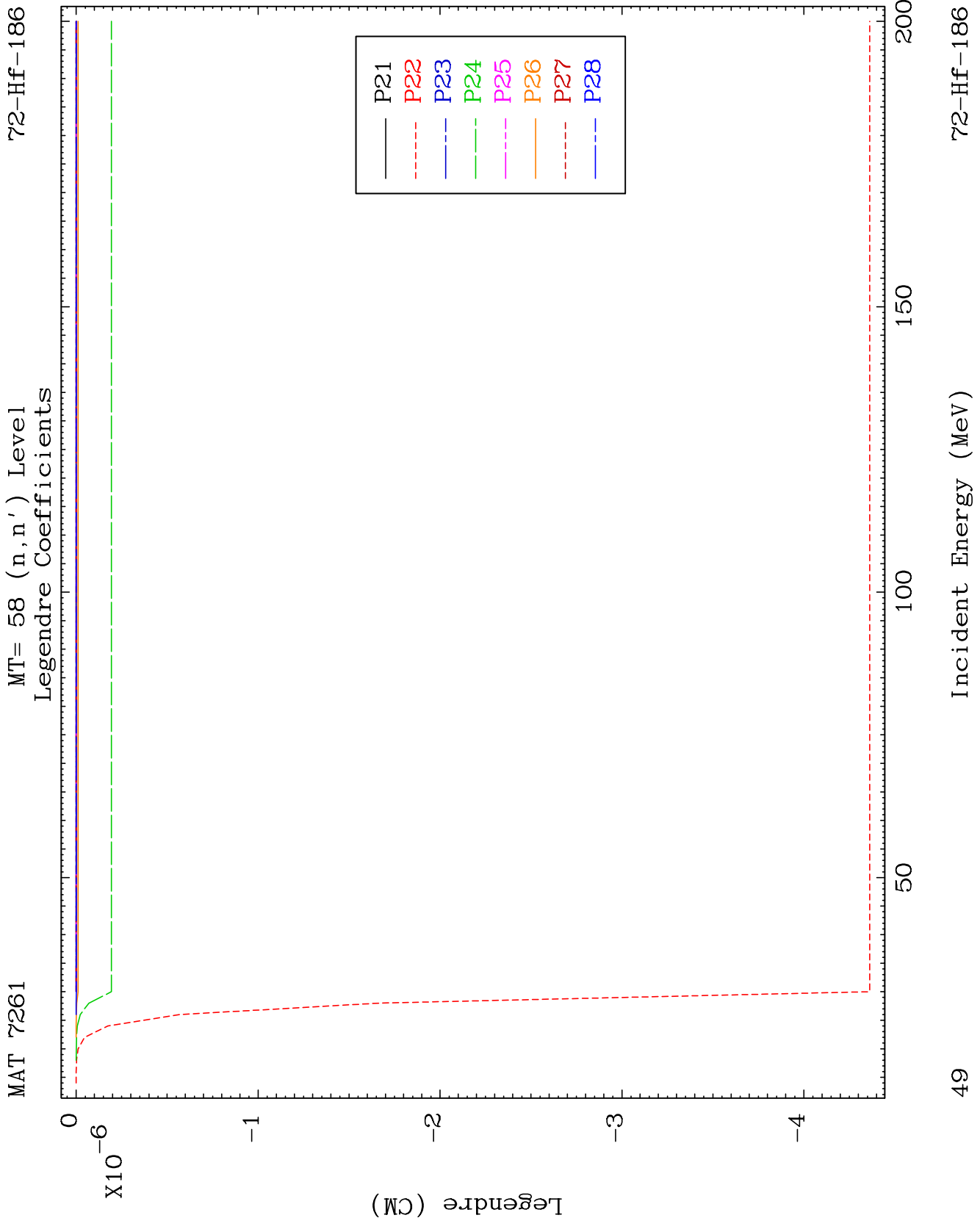
72-Hf-186



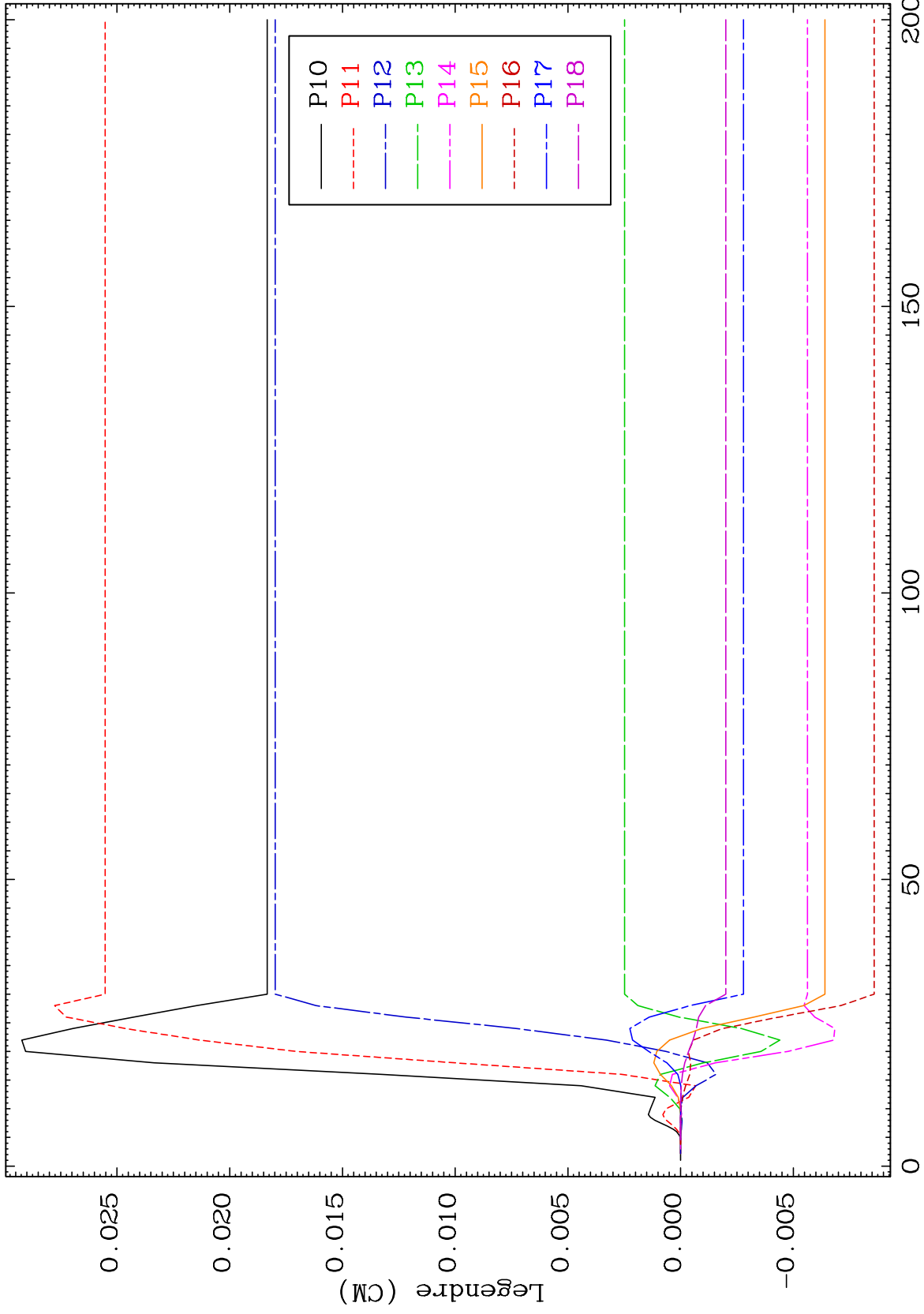
48

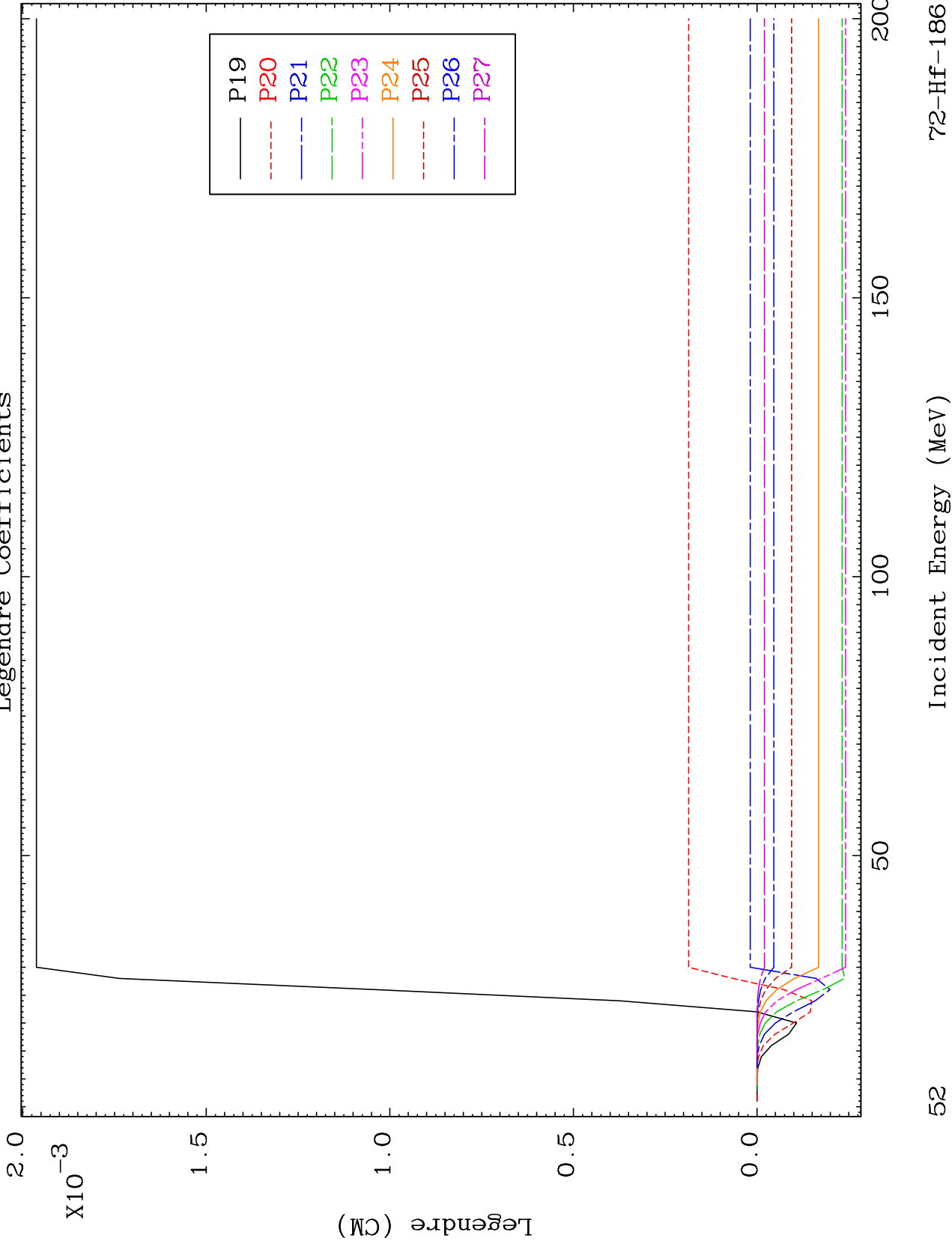
Incident Energy (MeV)

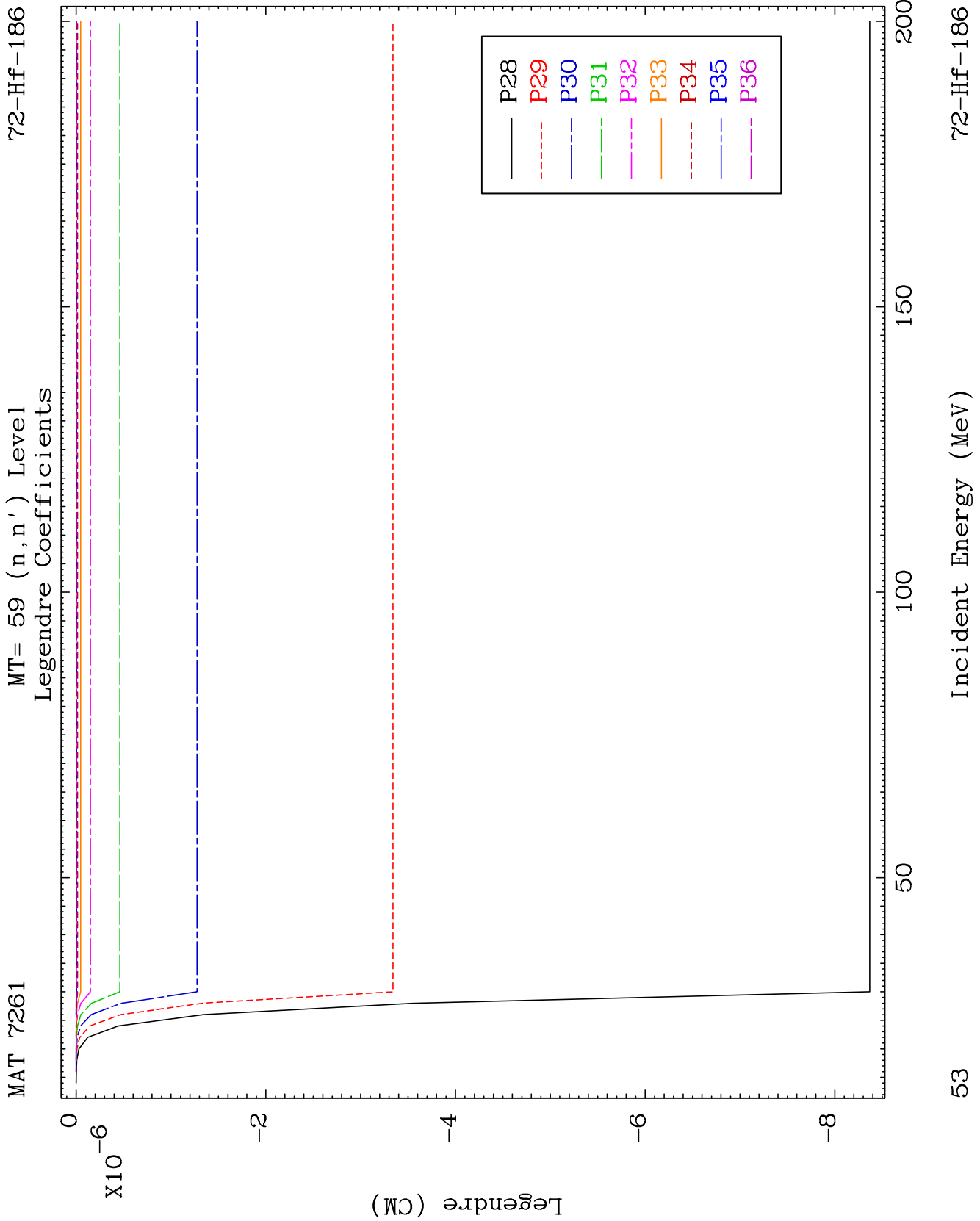
72-Hf-186

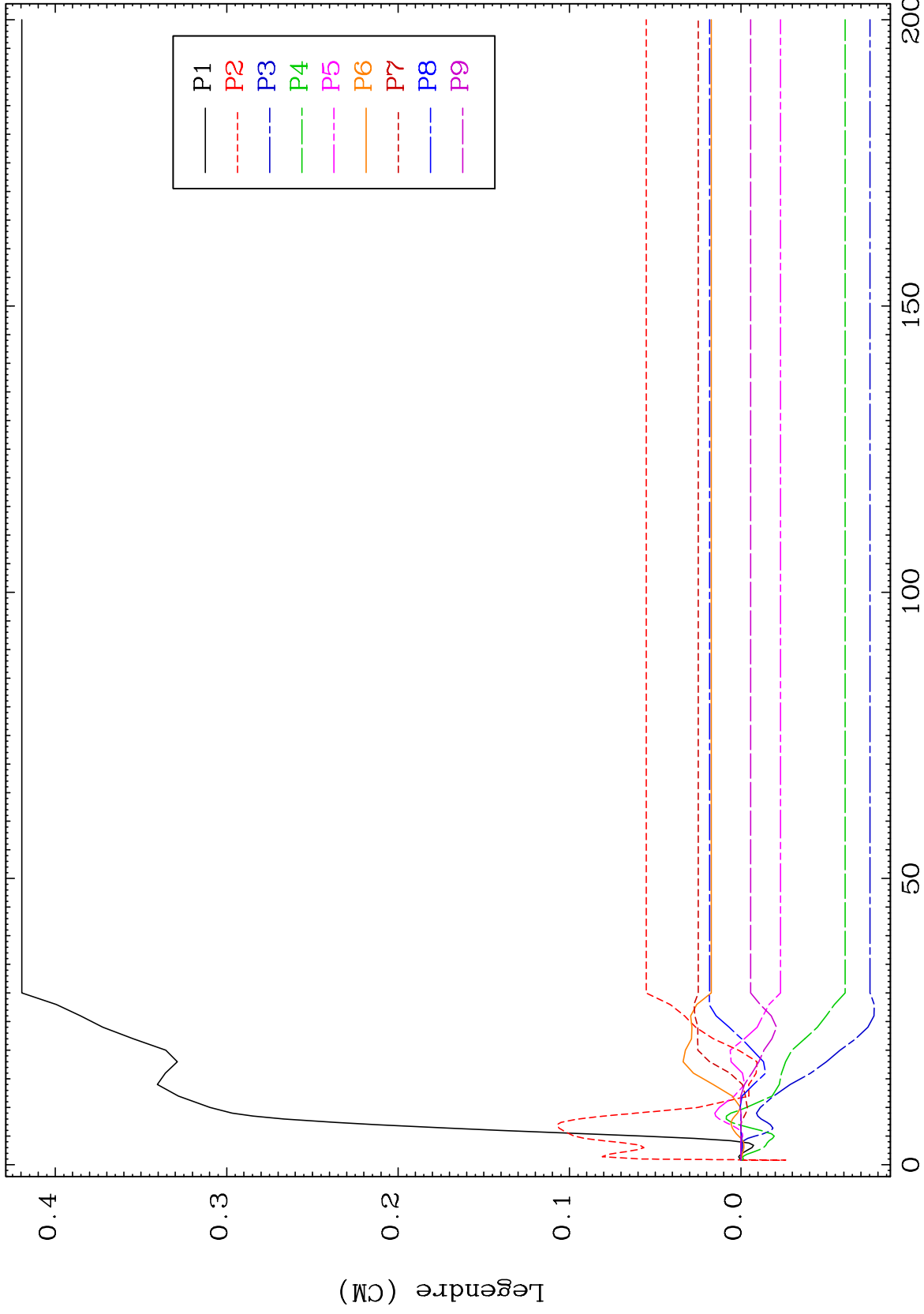








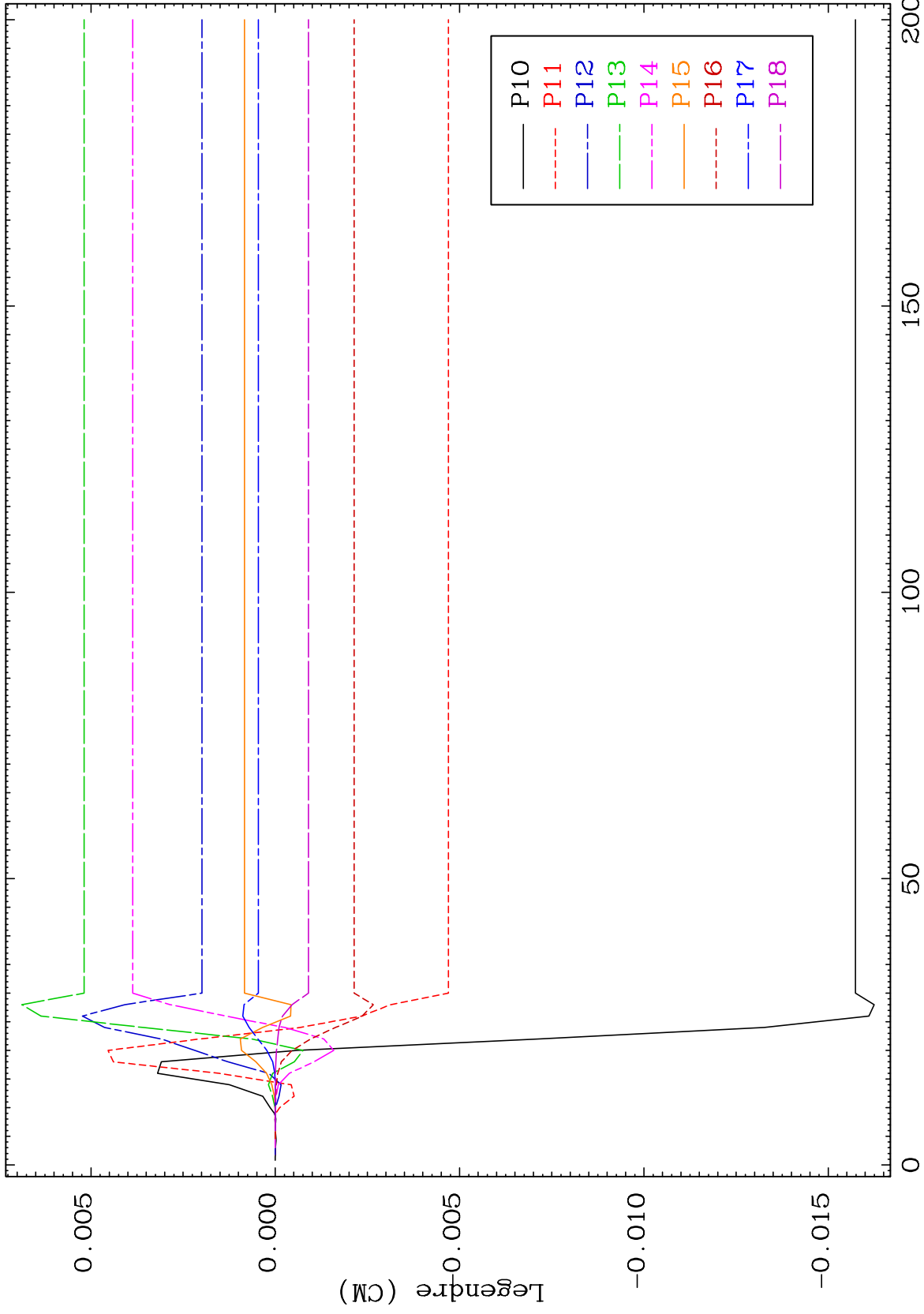




MAT 7261

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

72-Hf-186



55

Incident Energy (MeV)

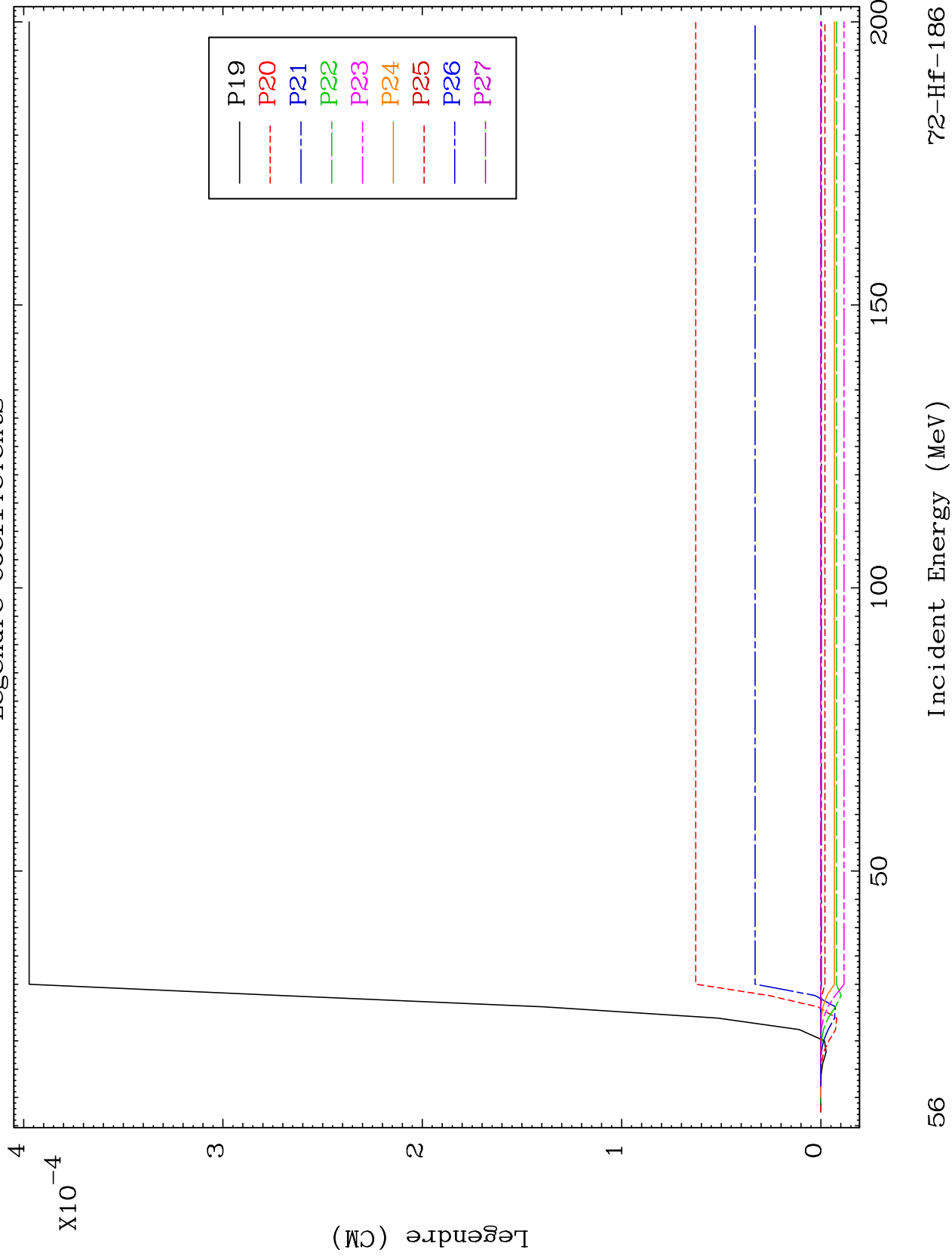
72-Hf-186



MAT 7261

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

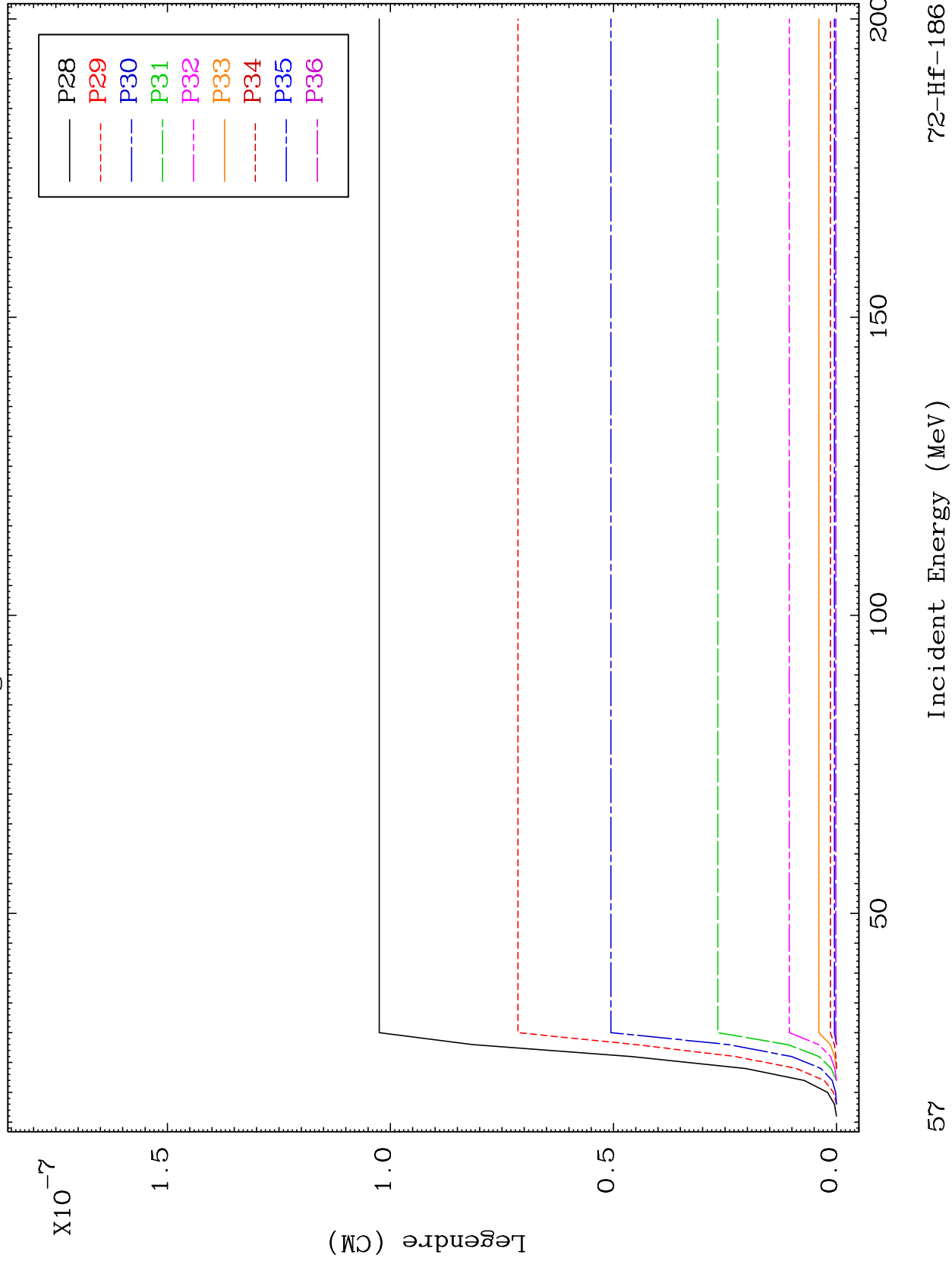
72-Hf-186



MAT 7261

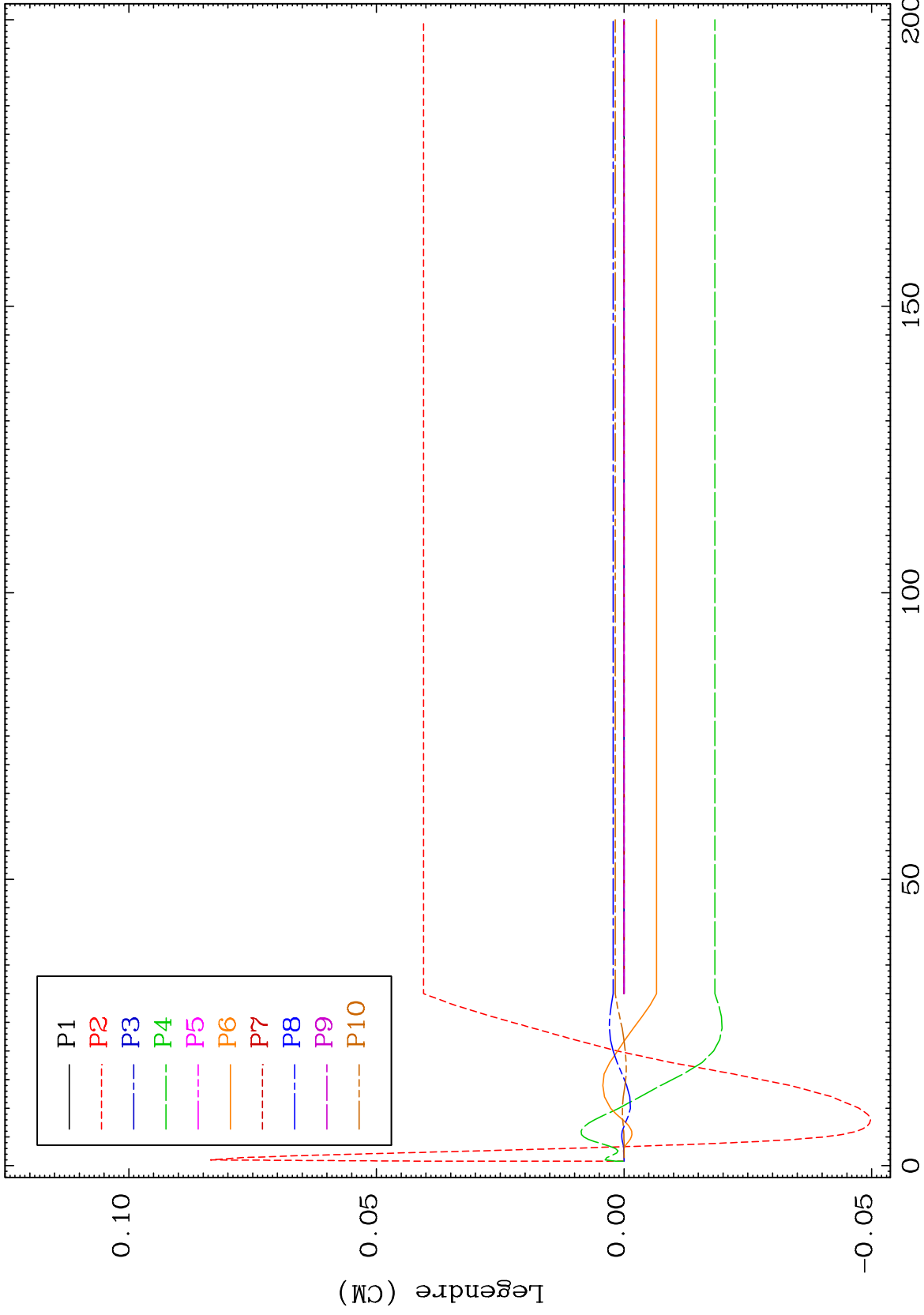
MT= 60 (n,n') Level  
Legendre Coefficients

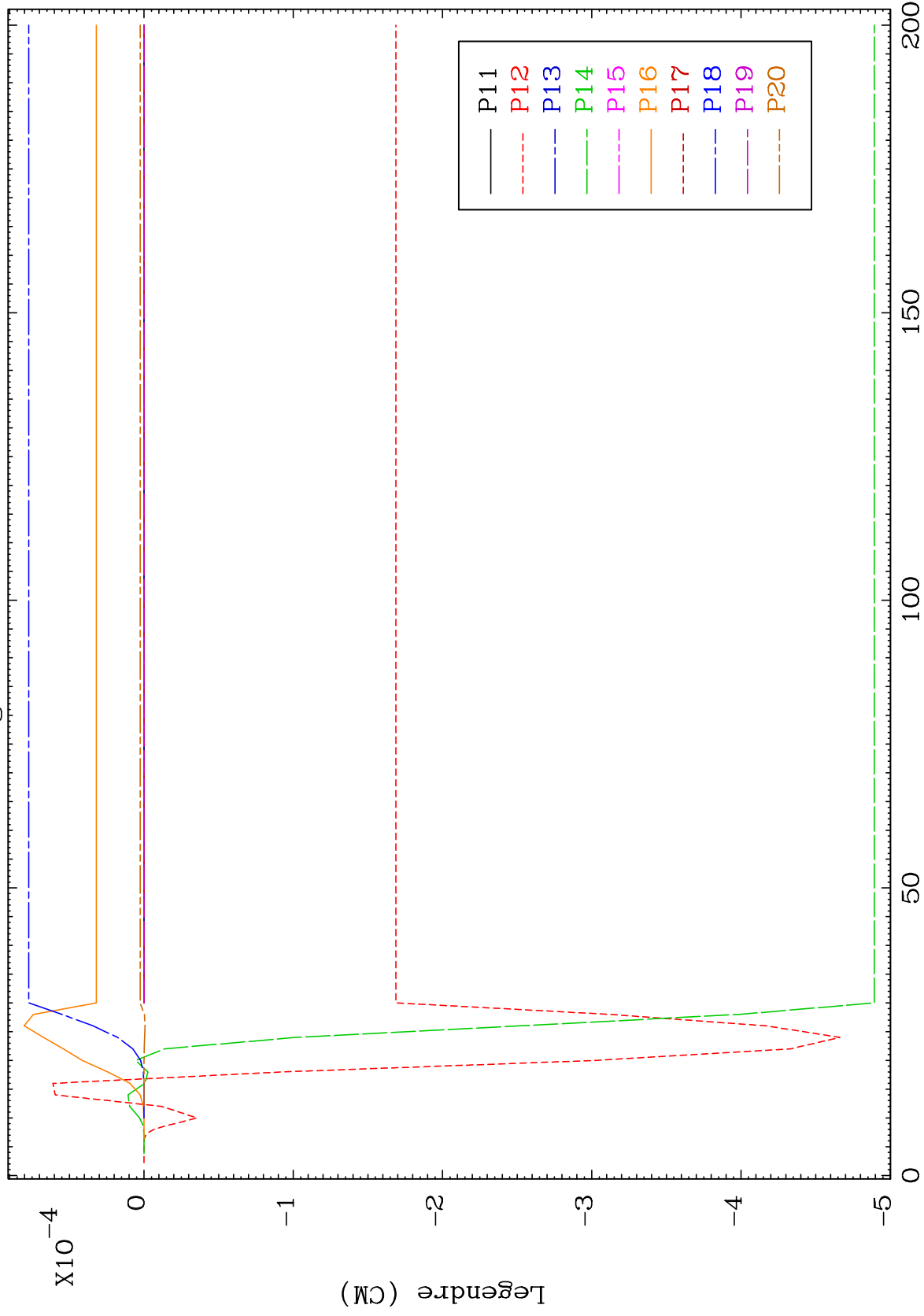
72-Hf-186

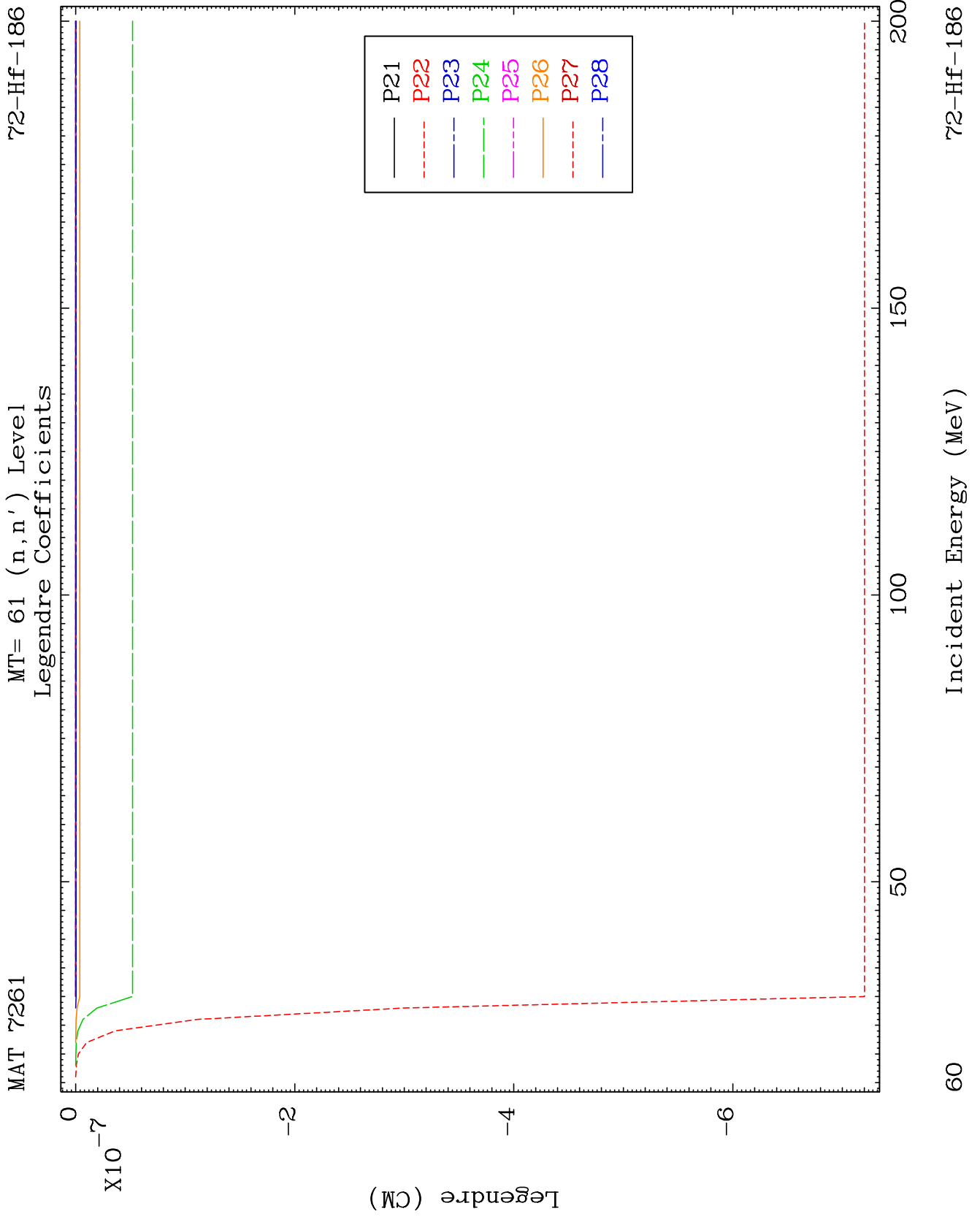


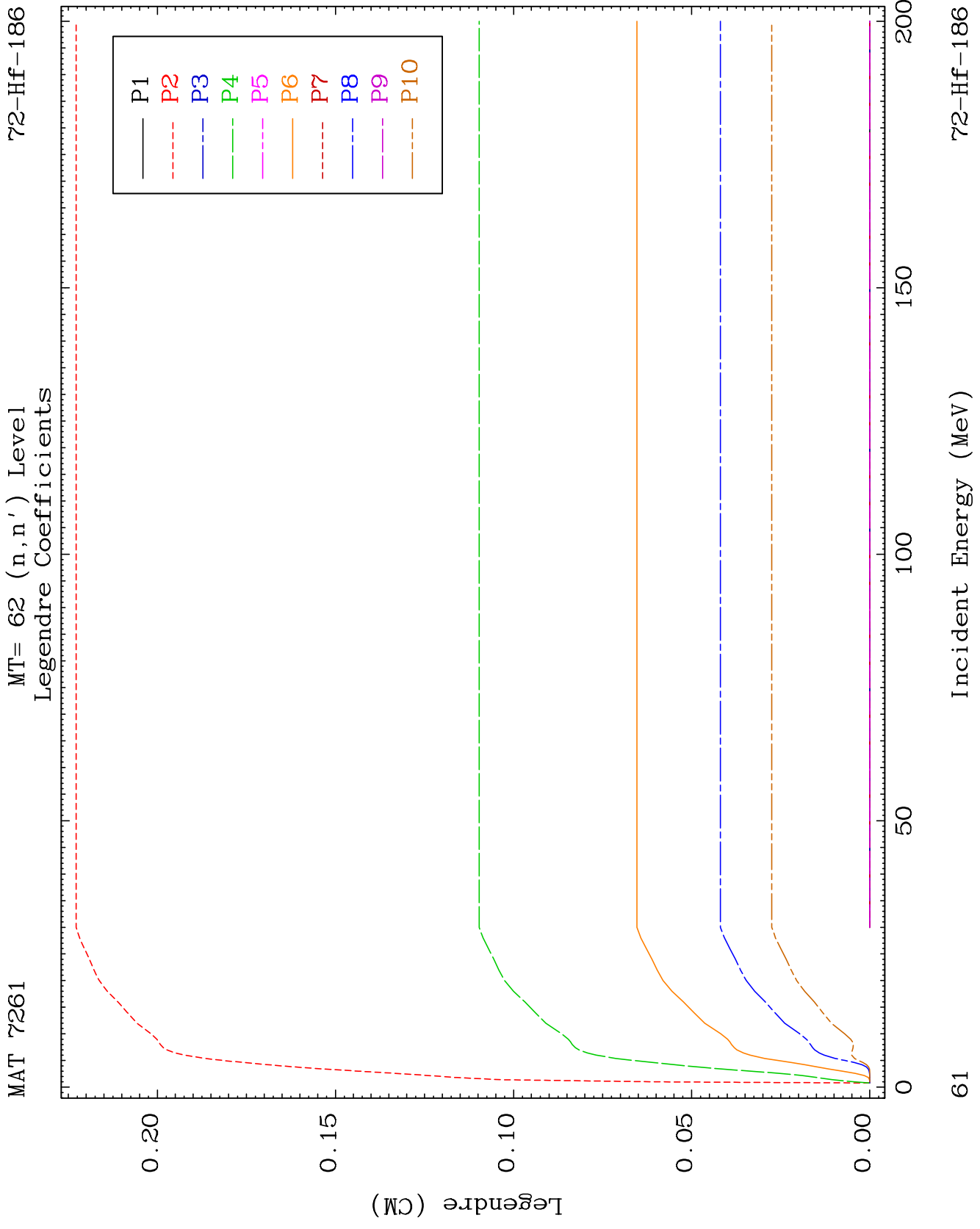
57

72-Hf-186





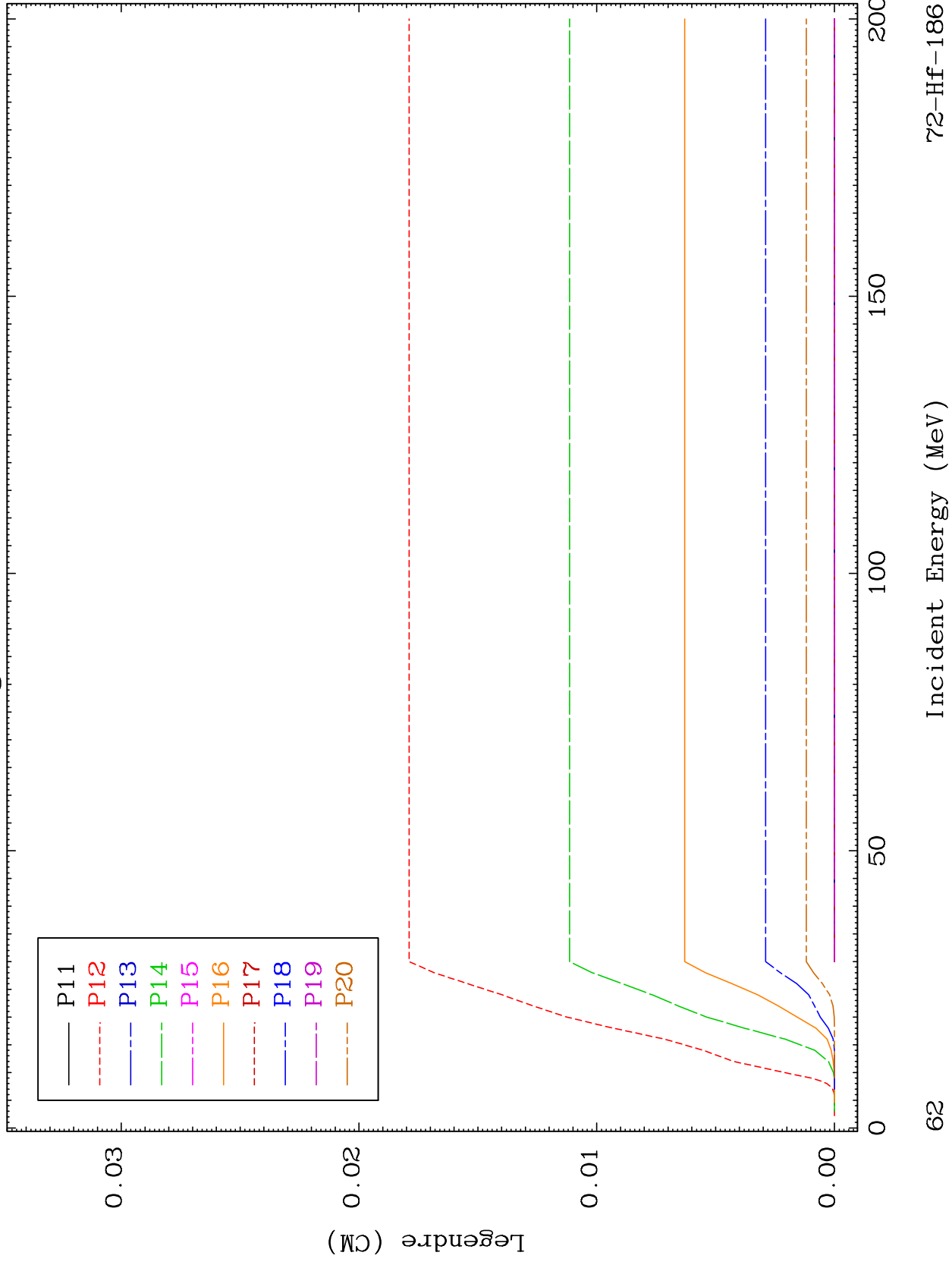




MAT 7261

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

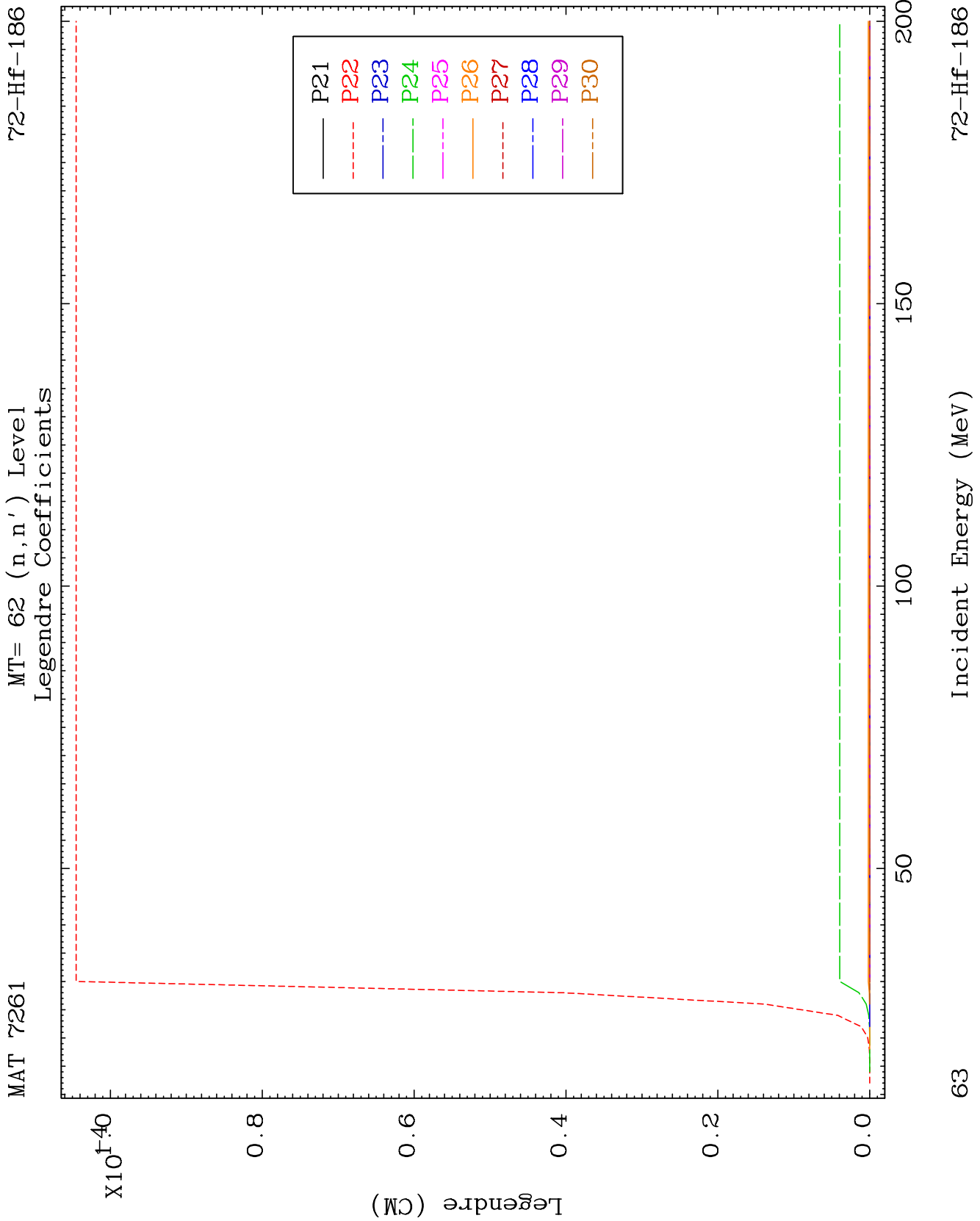
72-Hf-186



72-Hf-186

Incident Energy (MeV)

62

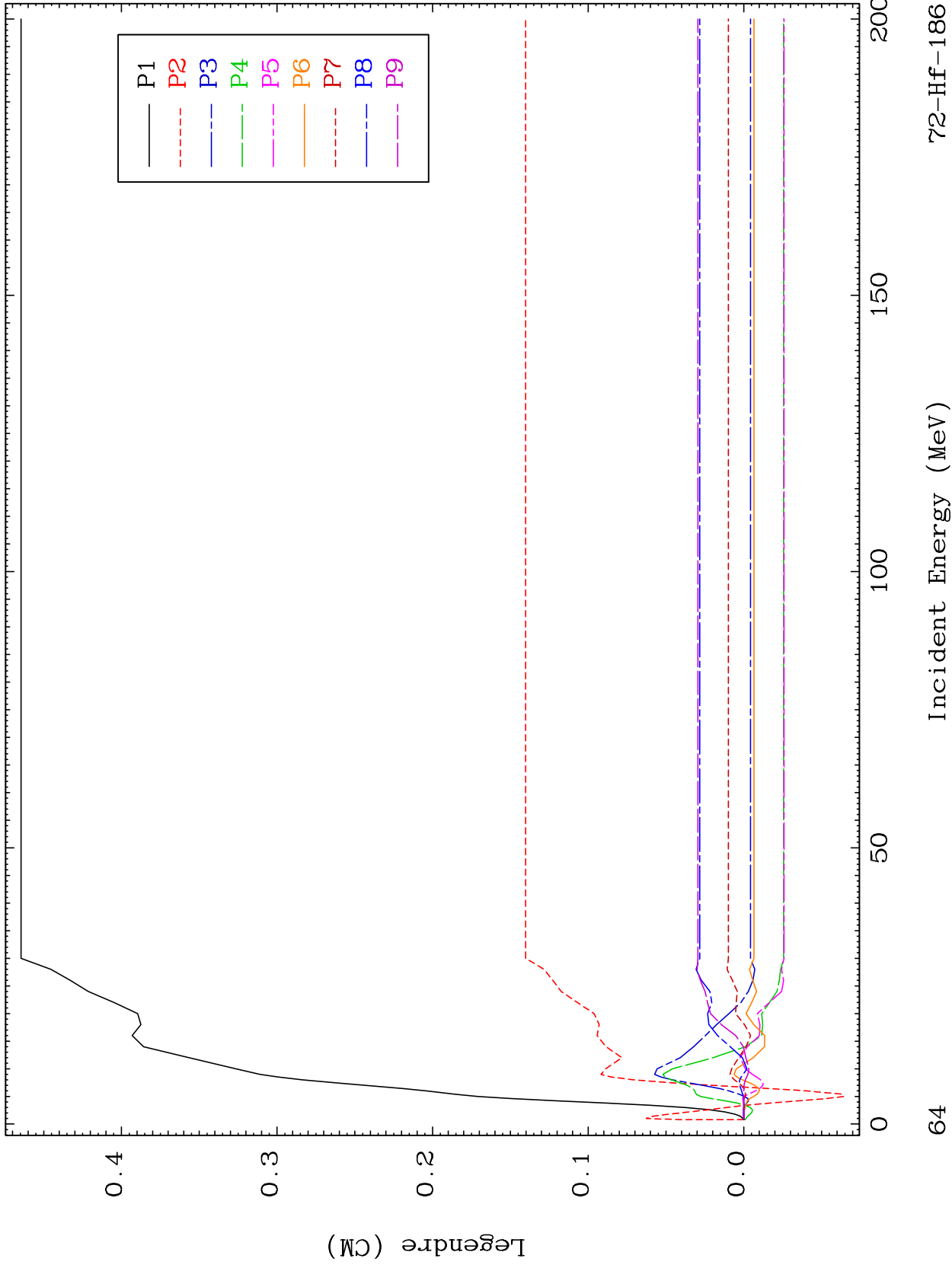




MAT 7261

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

72-Hf-186



64

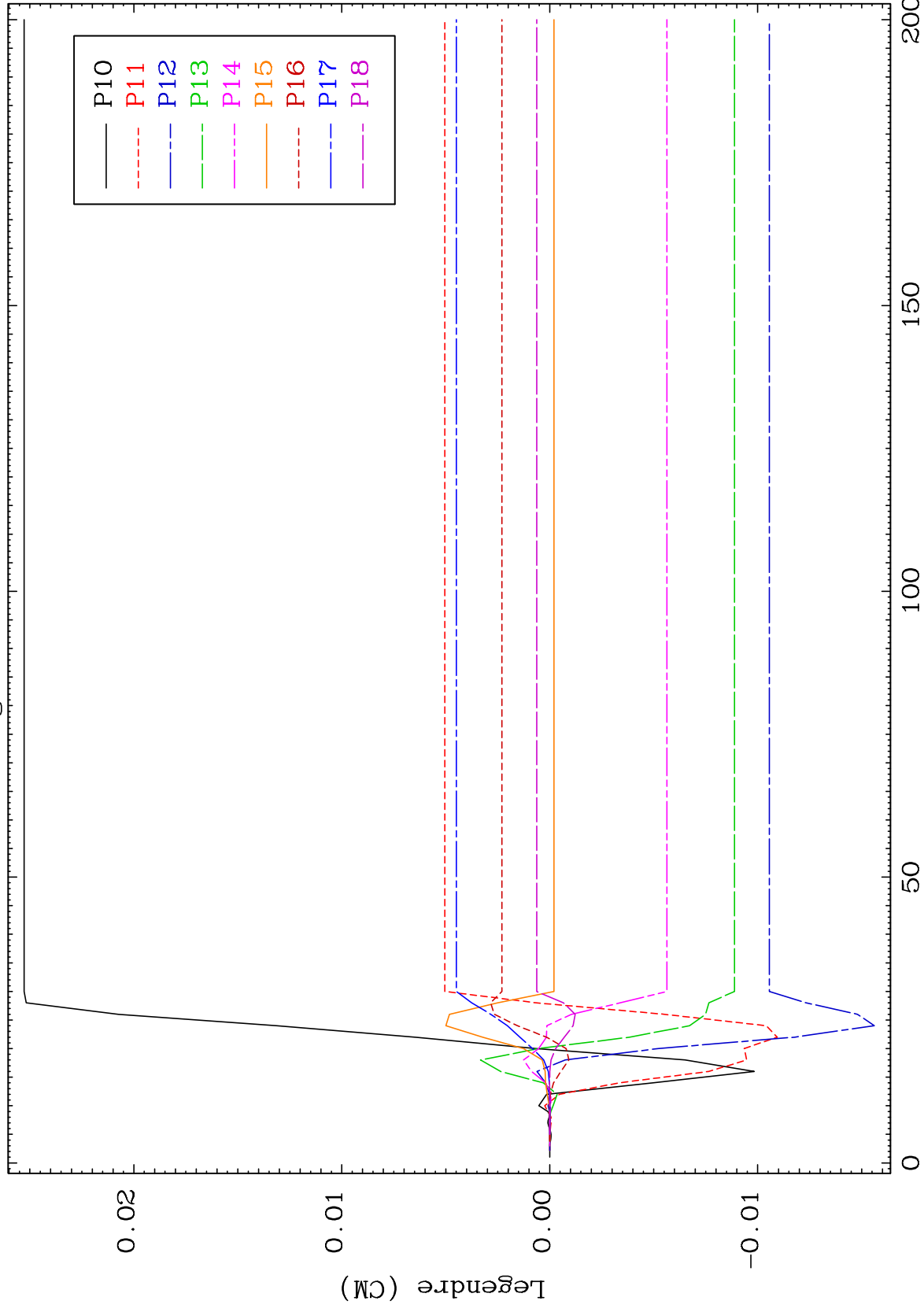
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

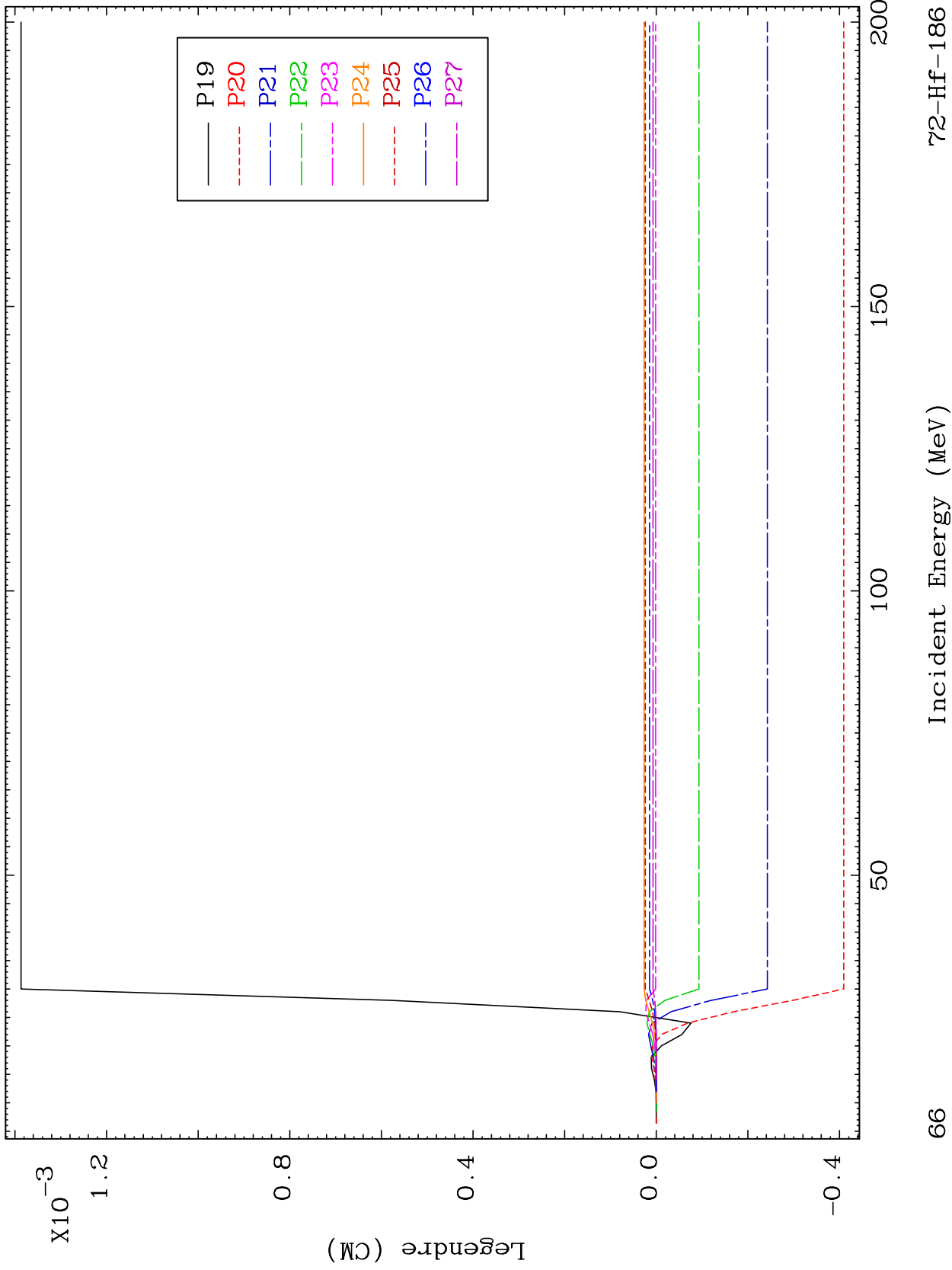
72-Hf-186



65

Incident Energy (MeV)

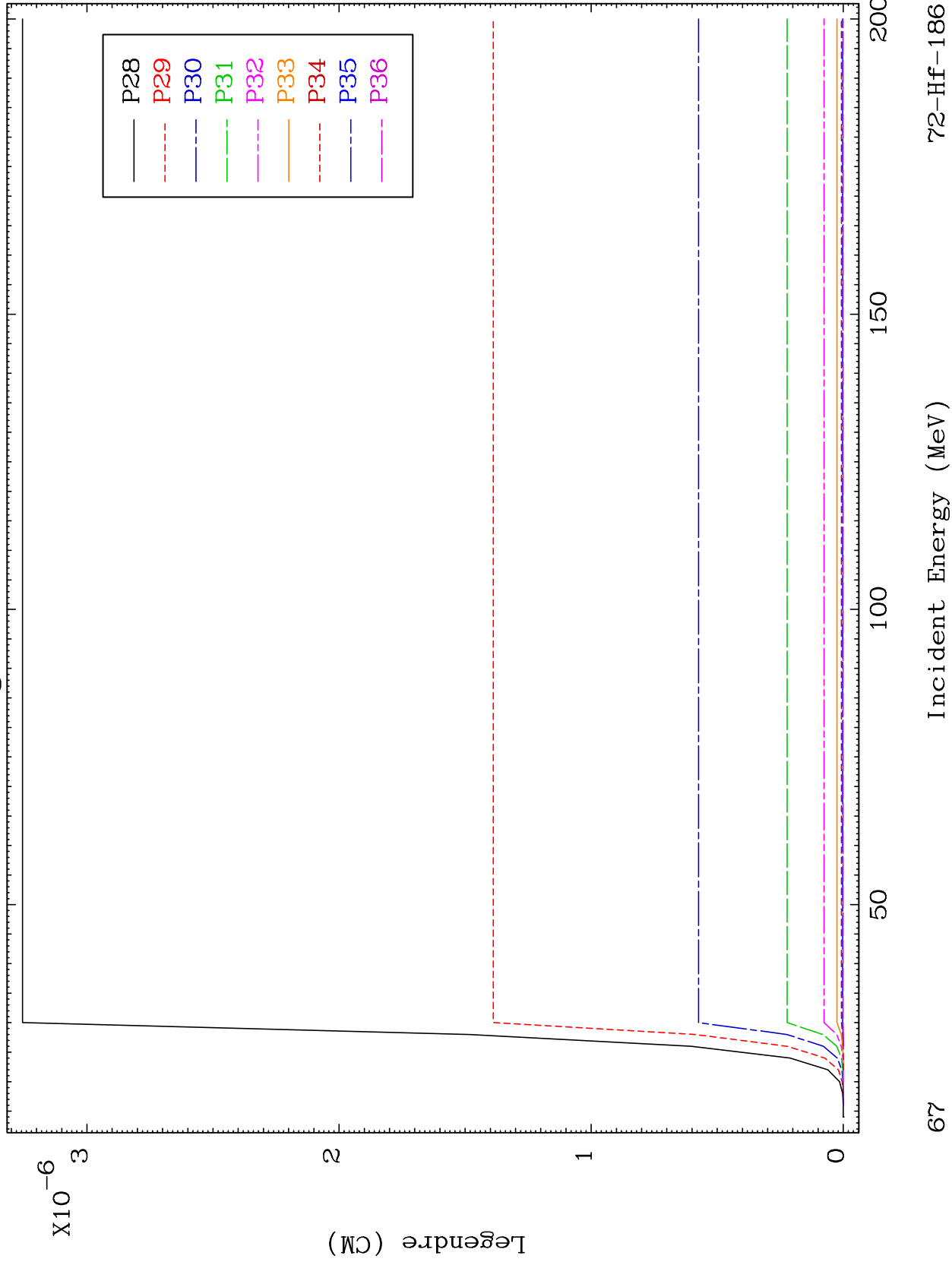
72-Hf-186



MAT 7261

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

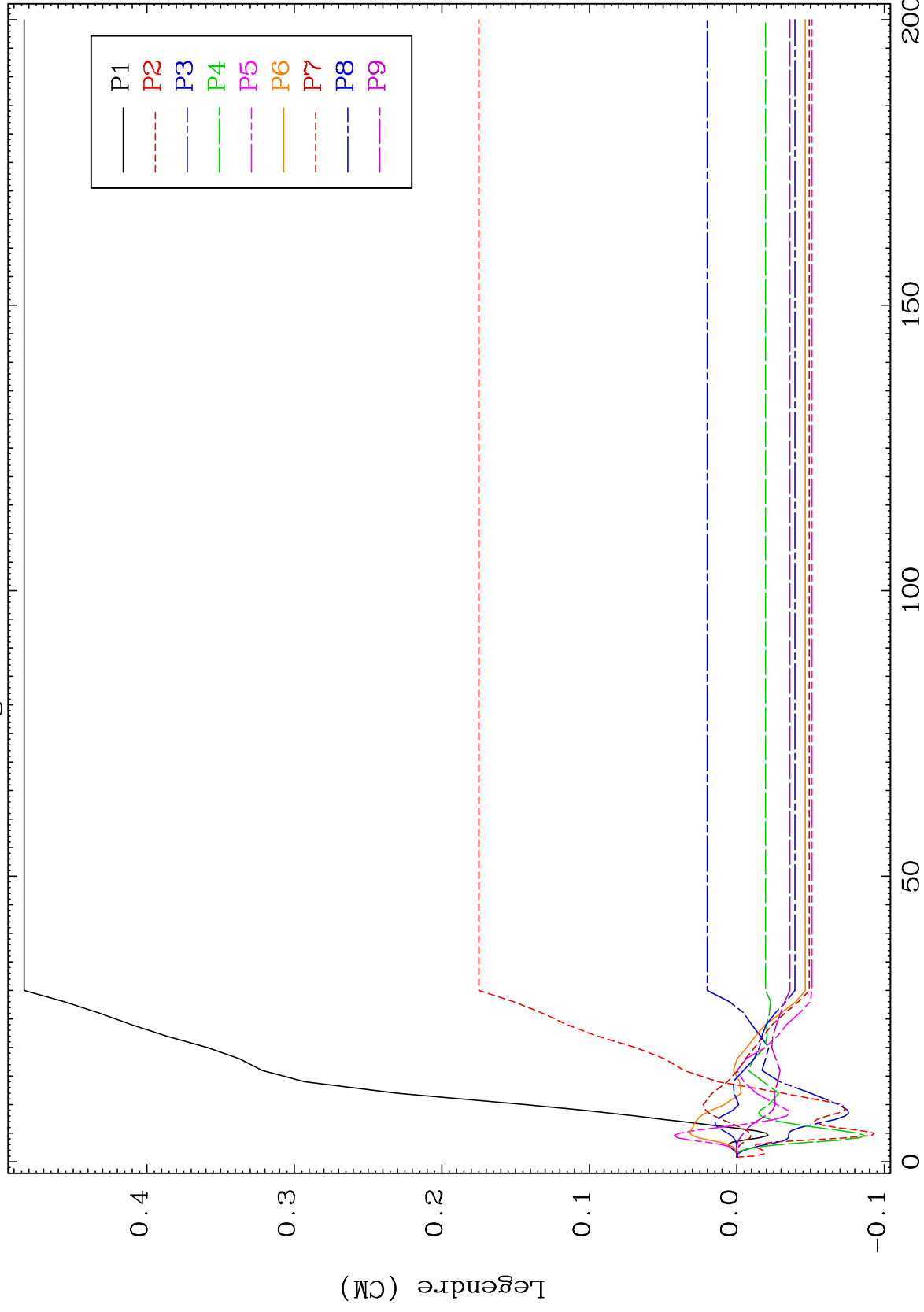
72-Hf-186



MAT 7261

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

72-Hf-186



68

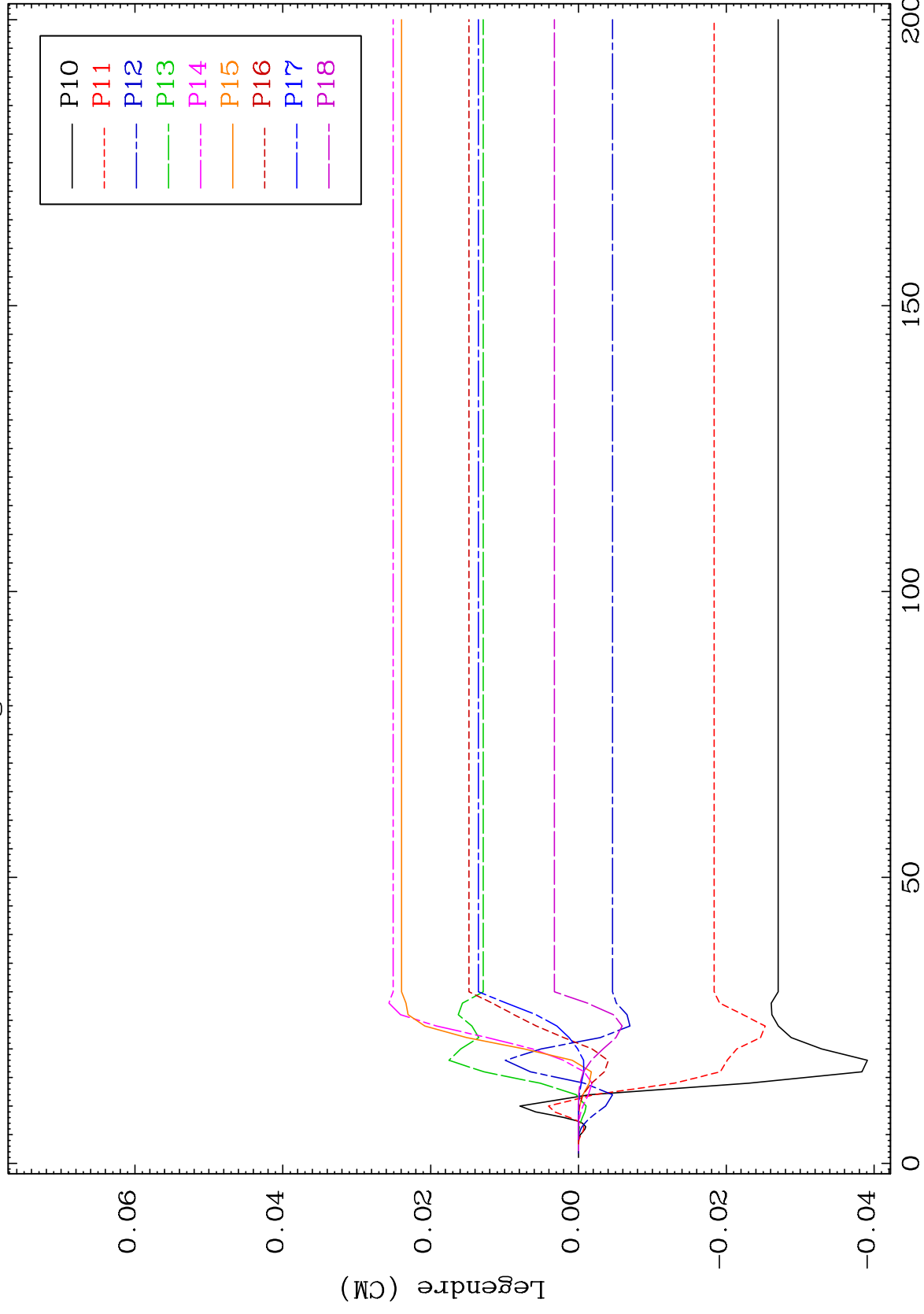
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



69

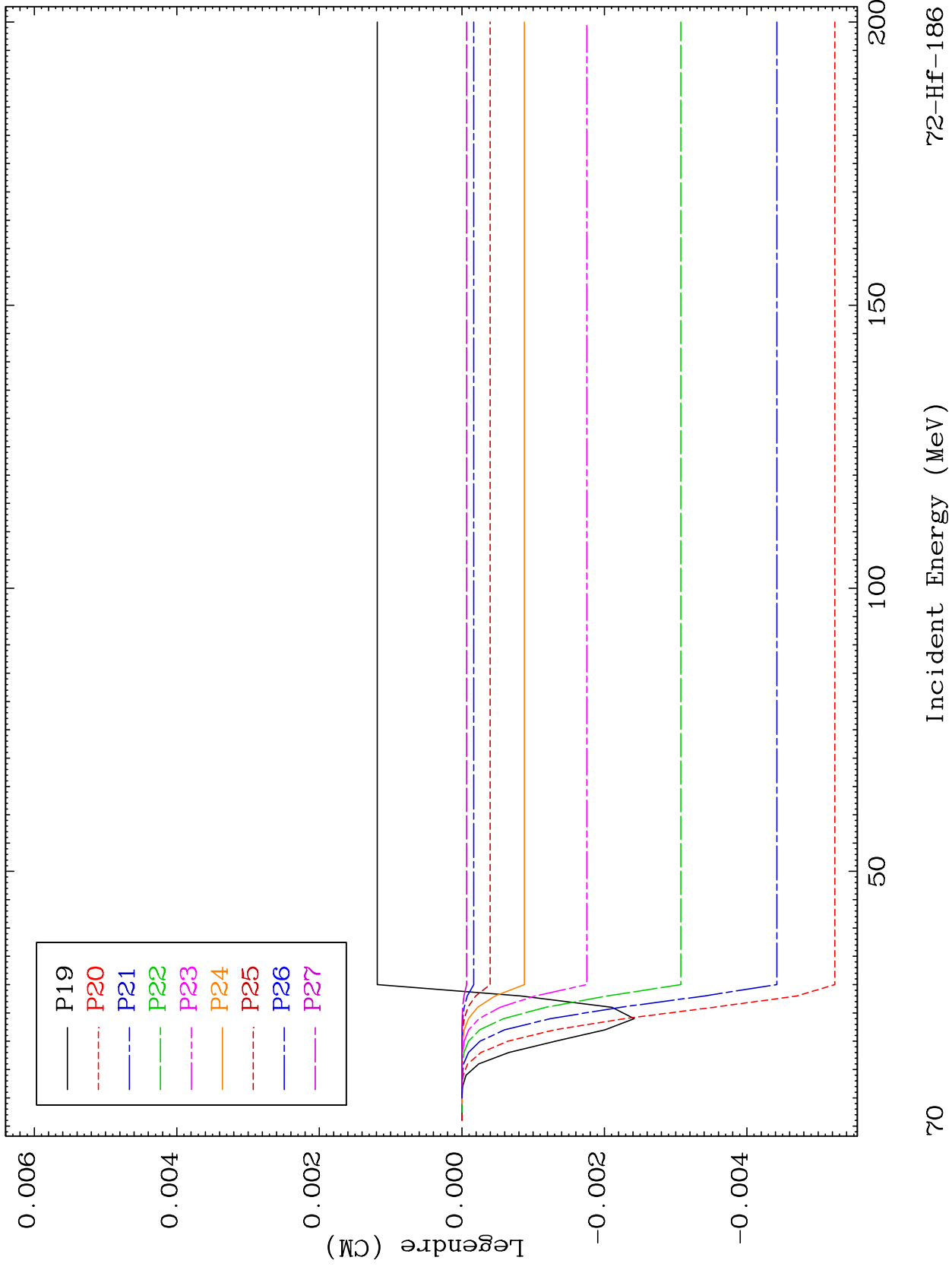
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

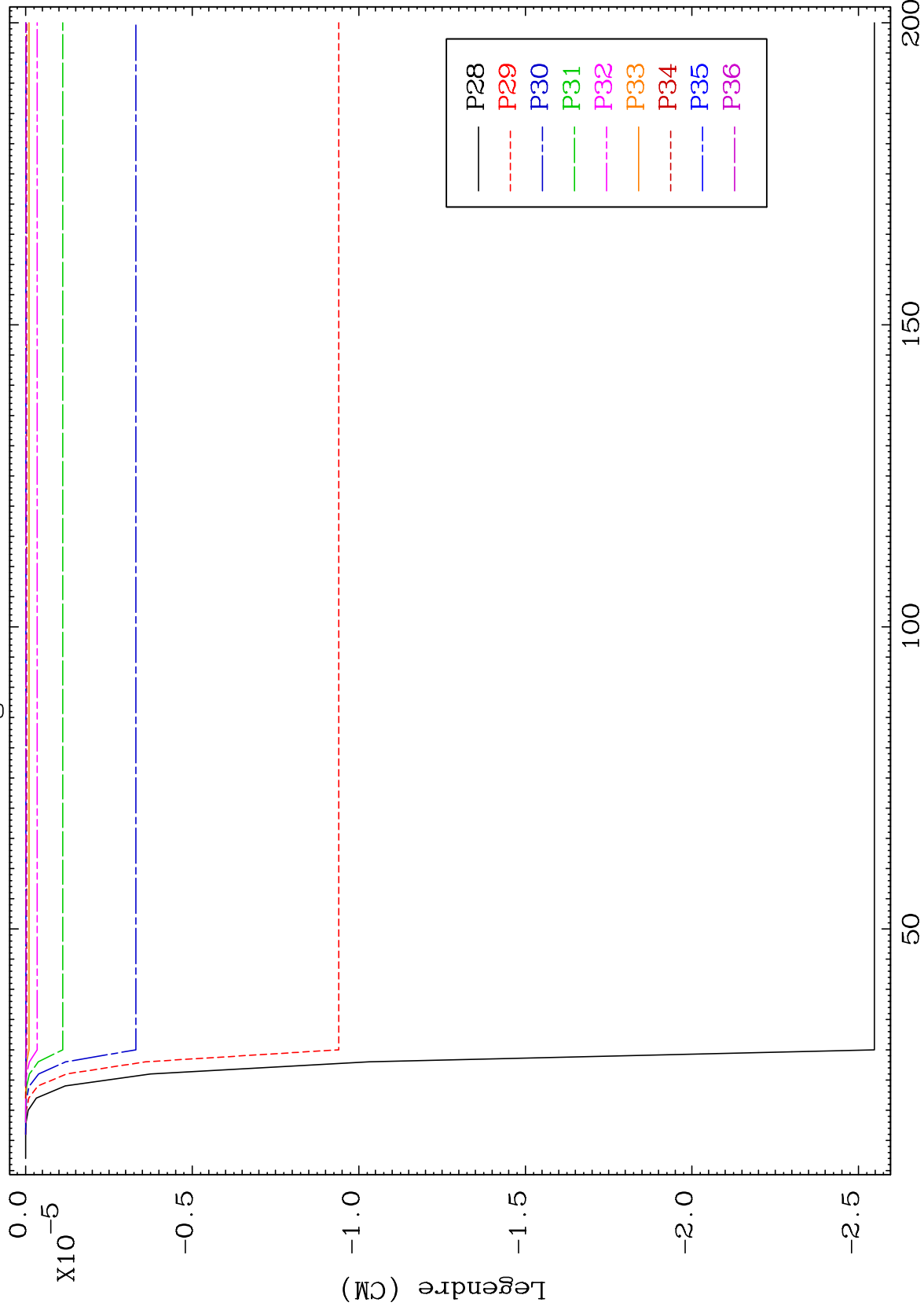
72-Hf-186



70

Incident Energy (MeV)

72-Hf-186

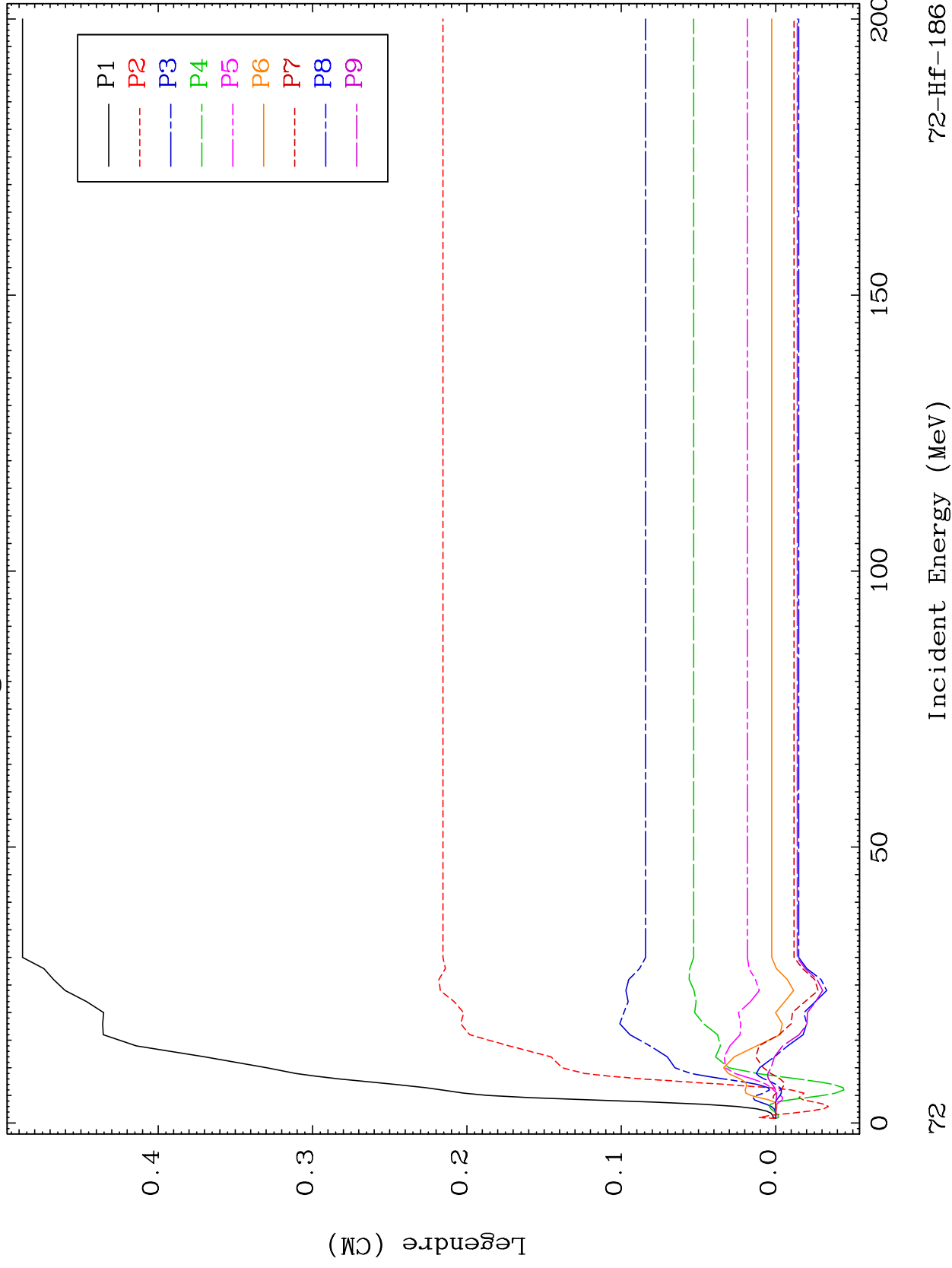




MAT 7261

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

72-Hf-186



72-Hf-186

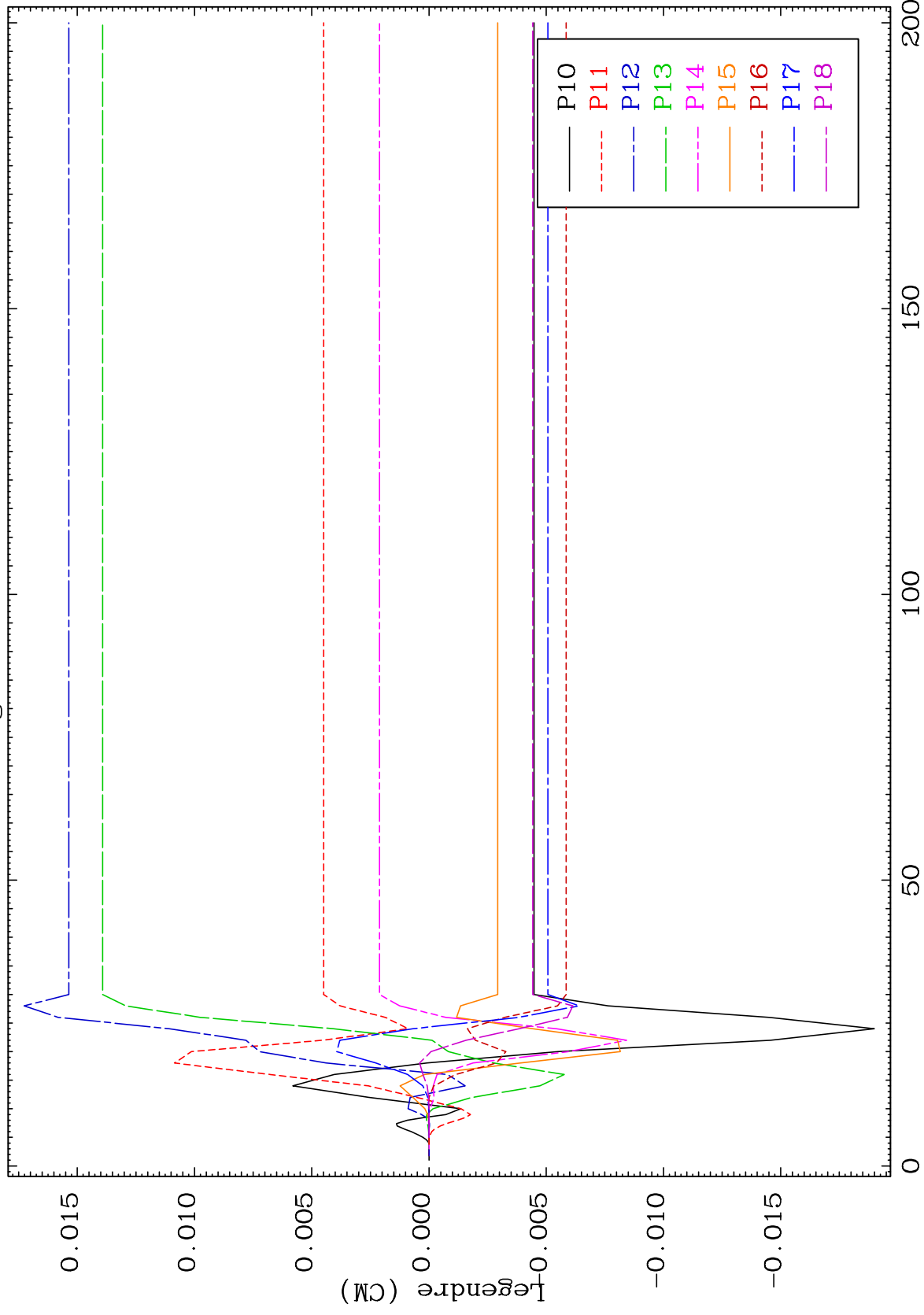
Incident Energy (MeV)

72

MAT 7261

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

72-Hf-186



73

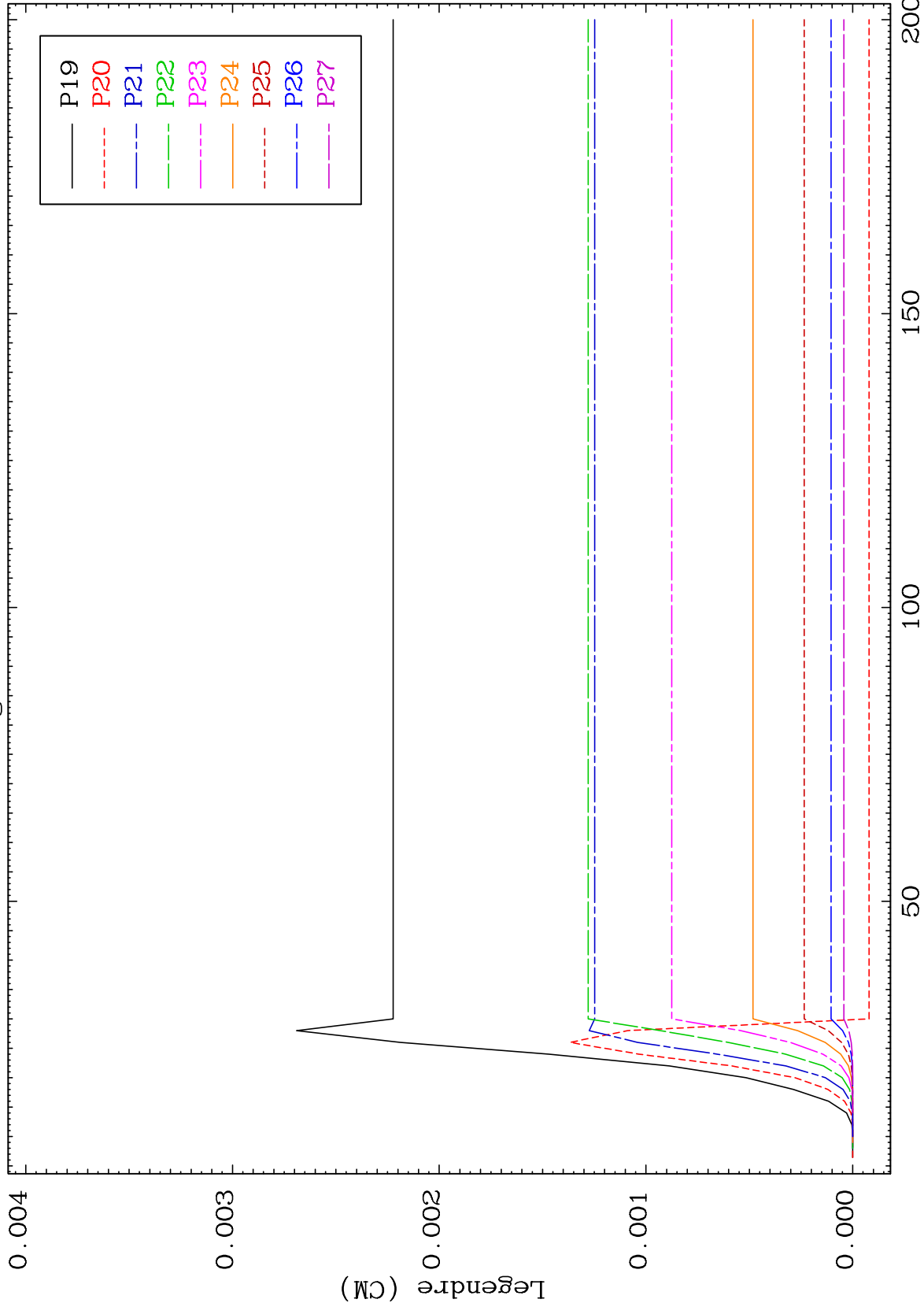
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



74

Incident Energy (MeV)

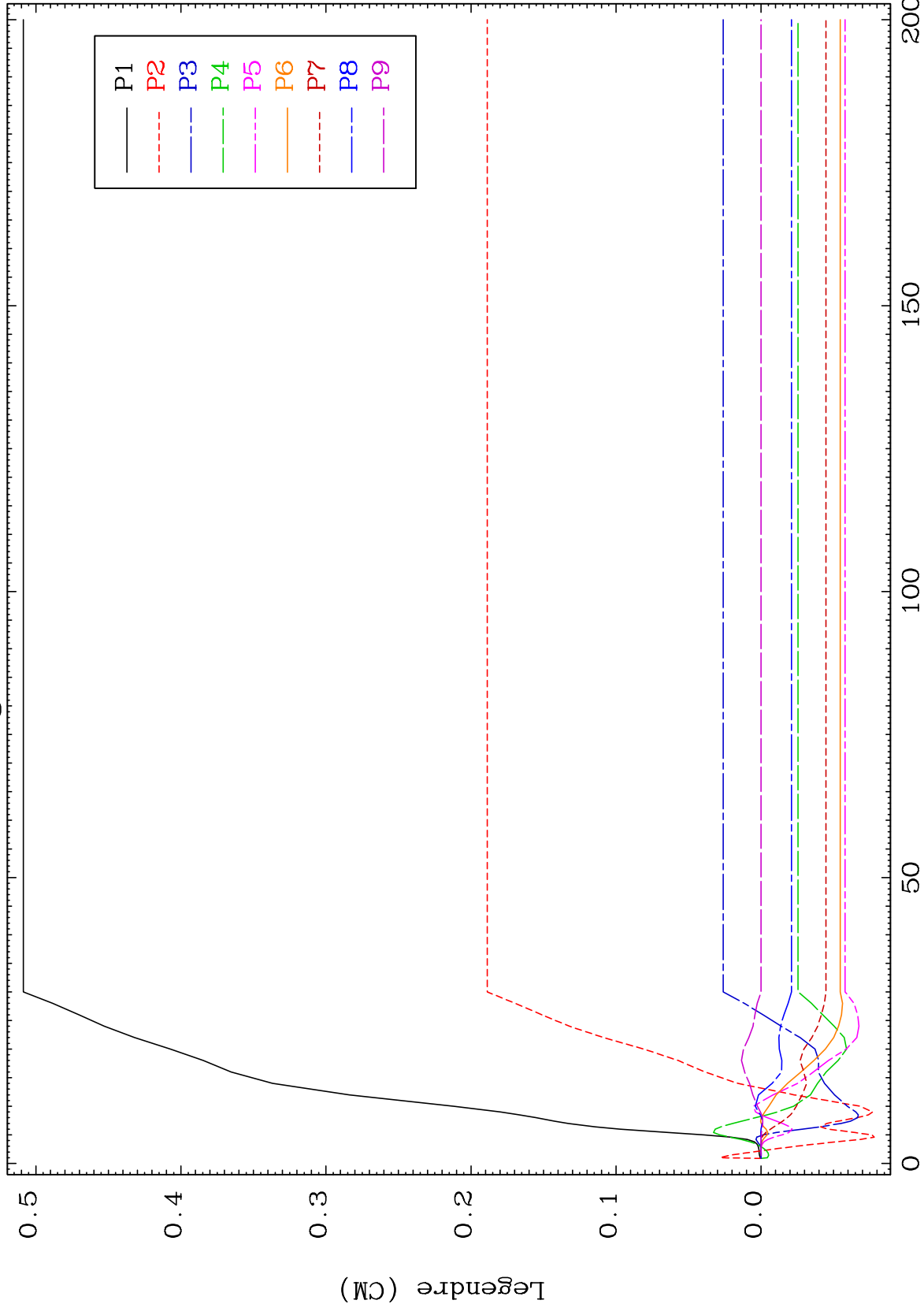
72-Hf-186



MAT 7261

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

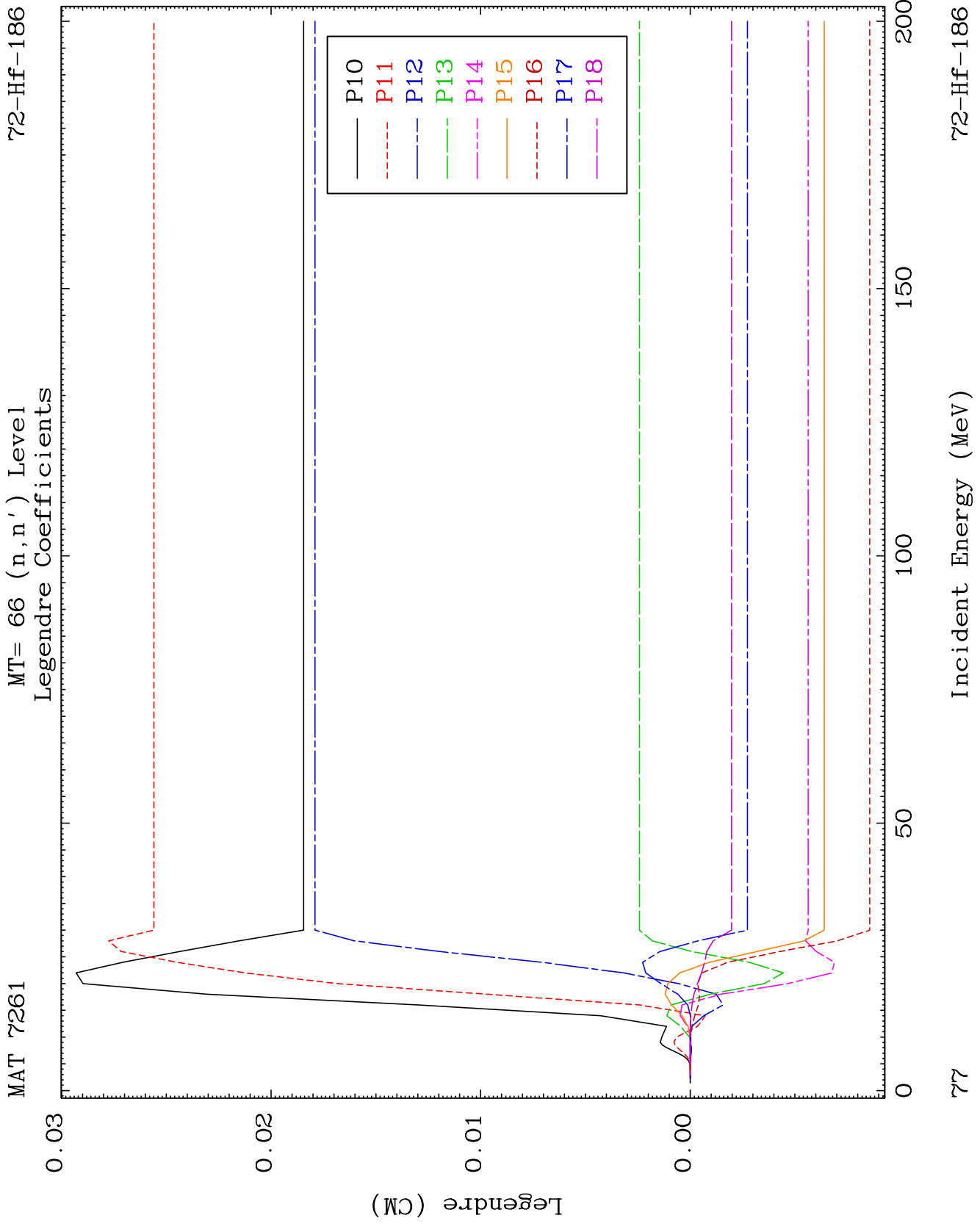
72-Hf-186

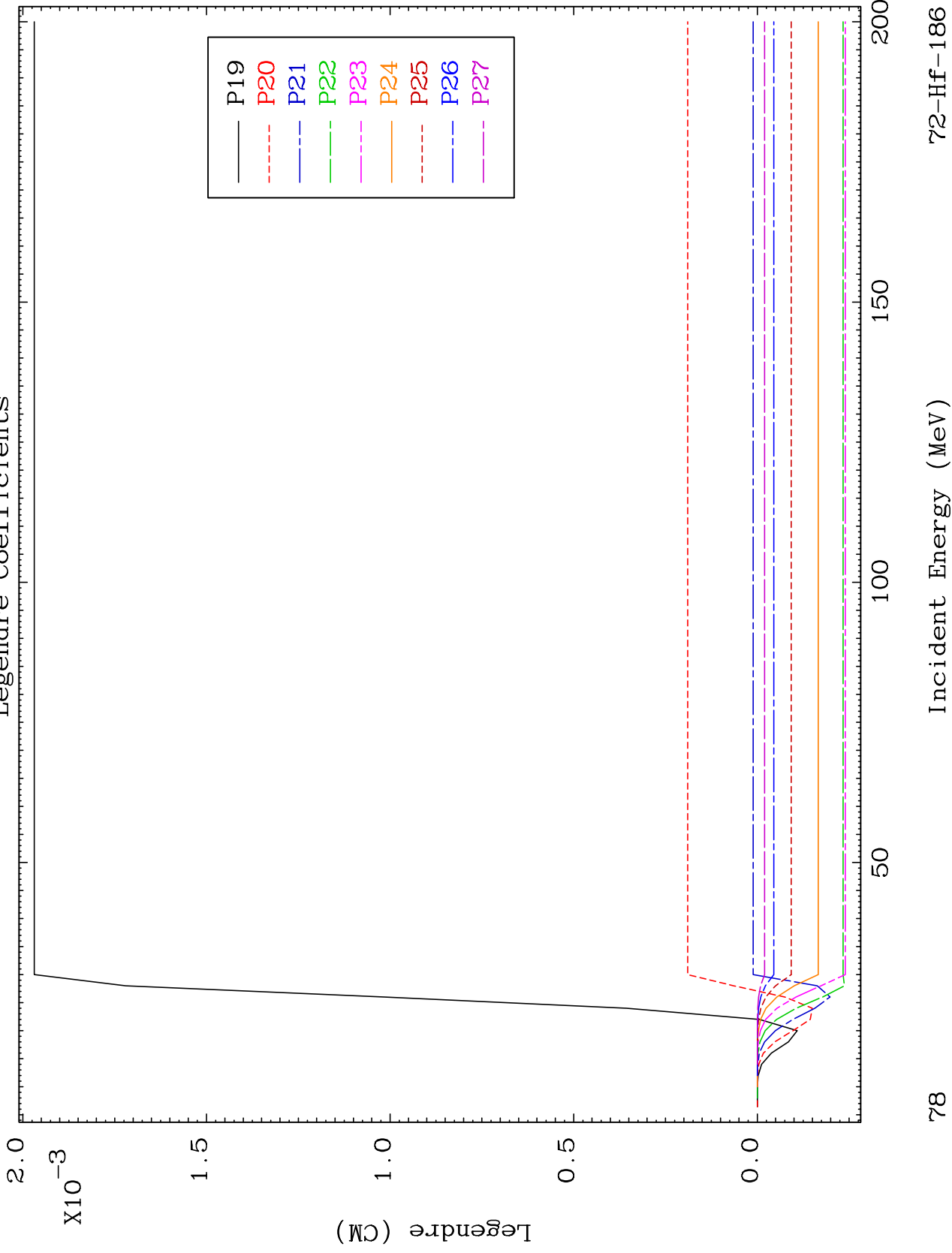


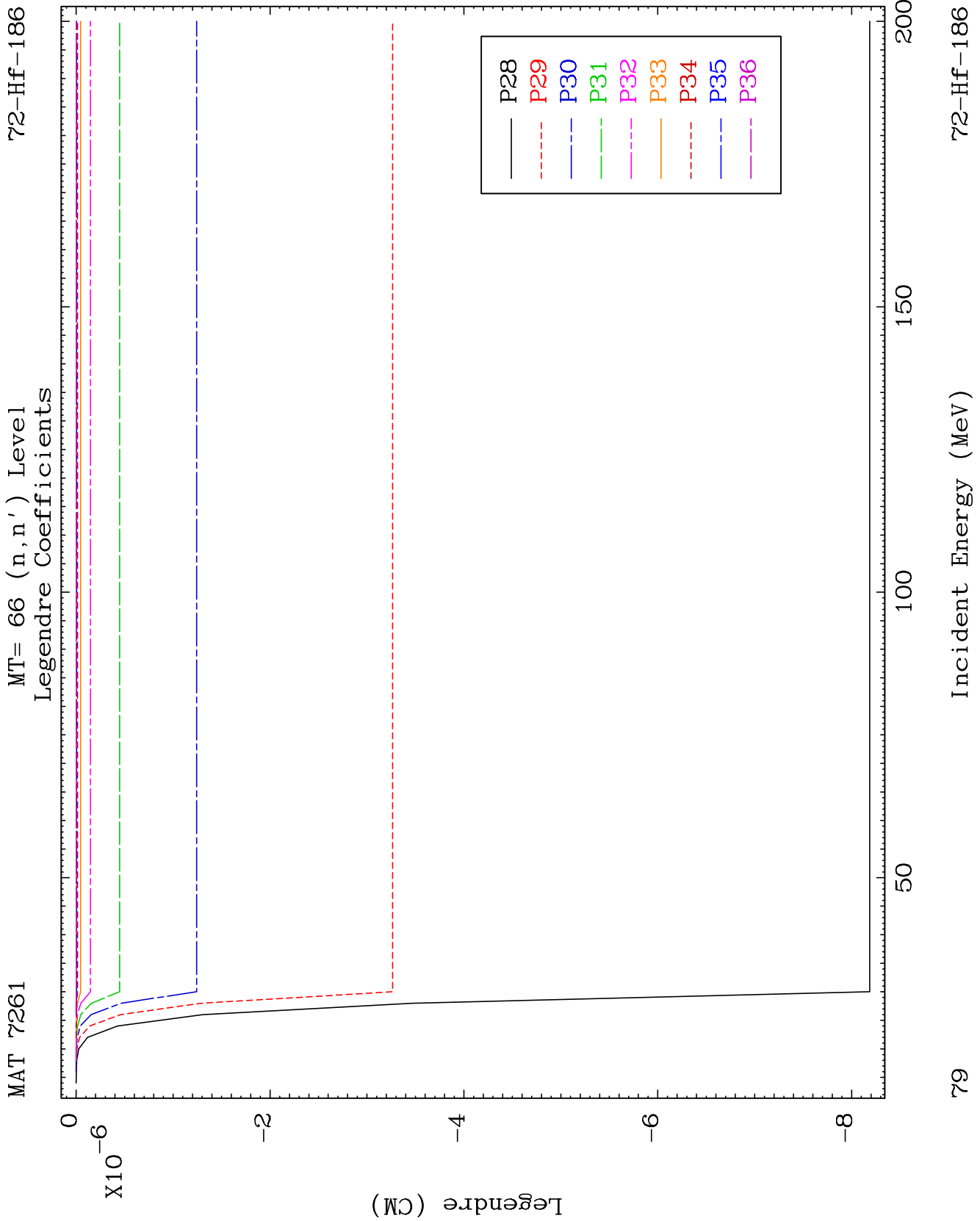
76

Incident Energy (MeV)

72-Hf-186





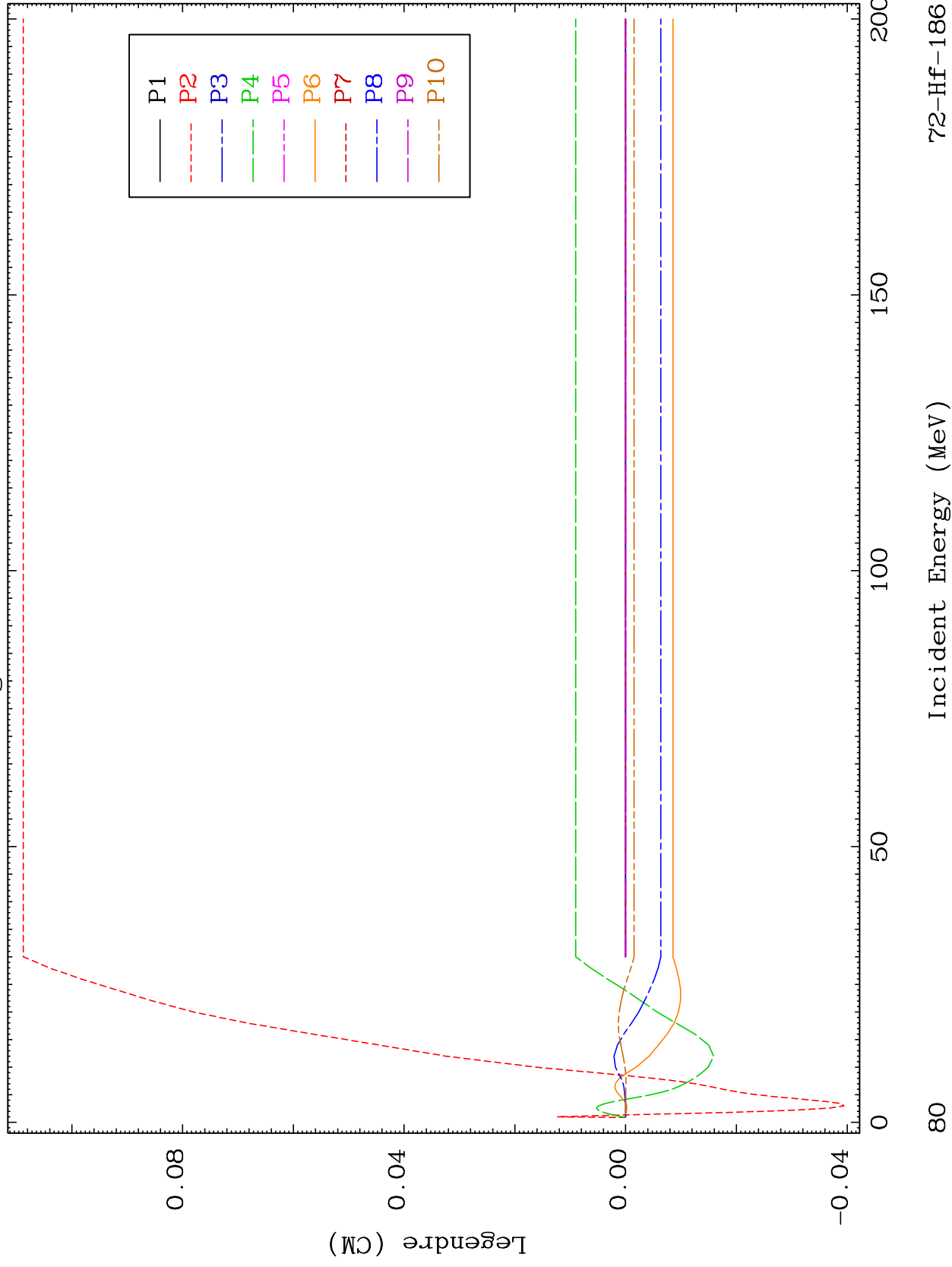




MAT 7261

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

72-Hf-186



72-Hf-186

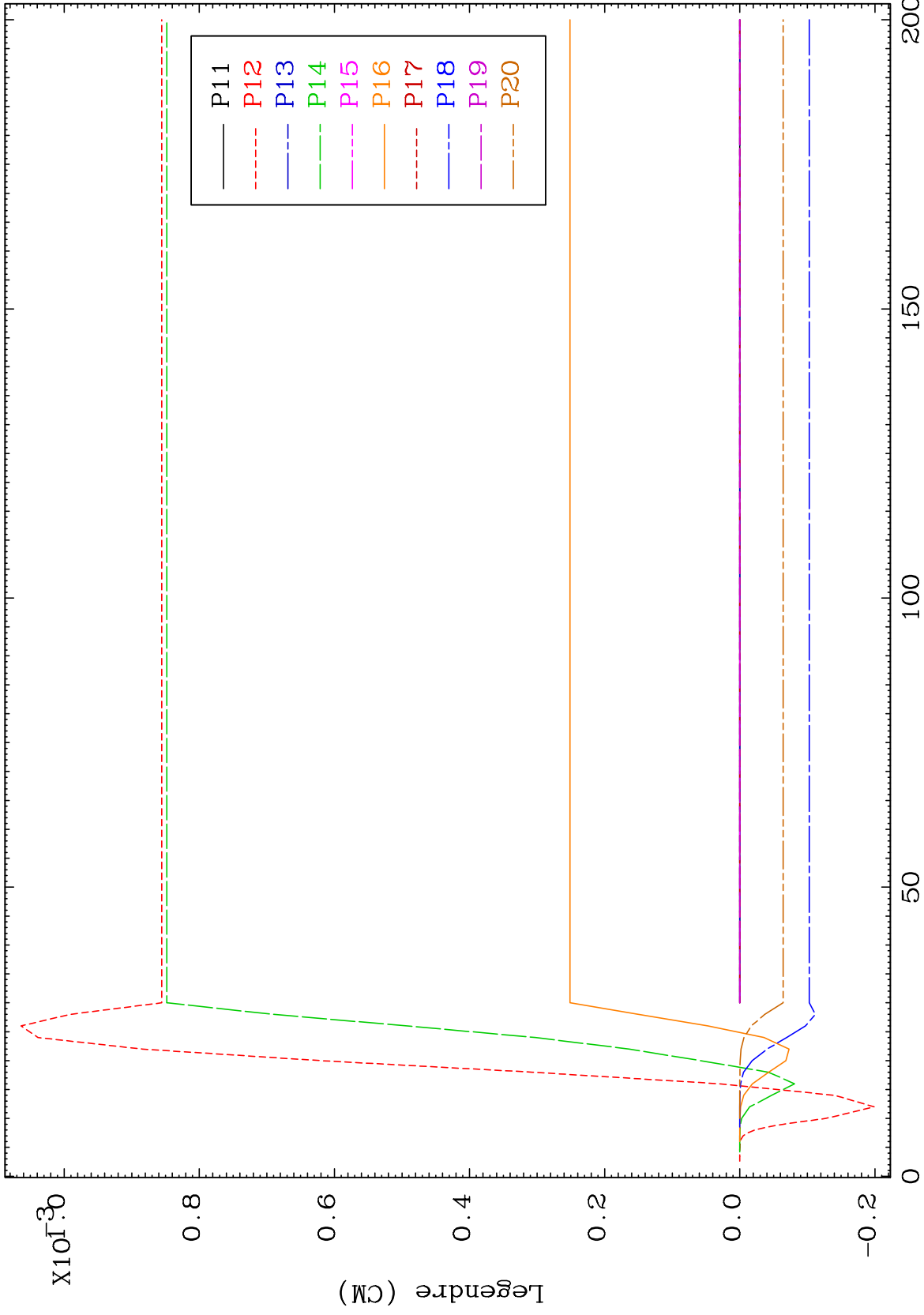
Incident Energy (MeV)

80

MAT 7261

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

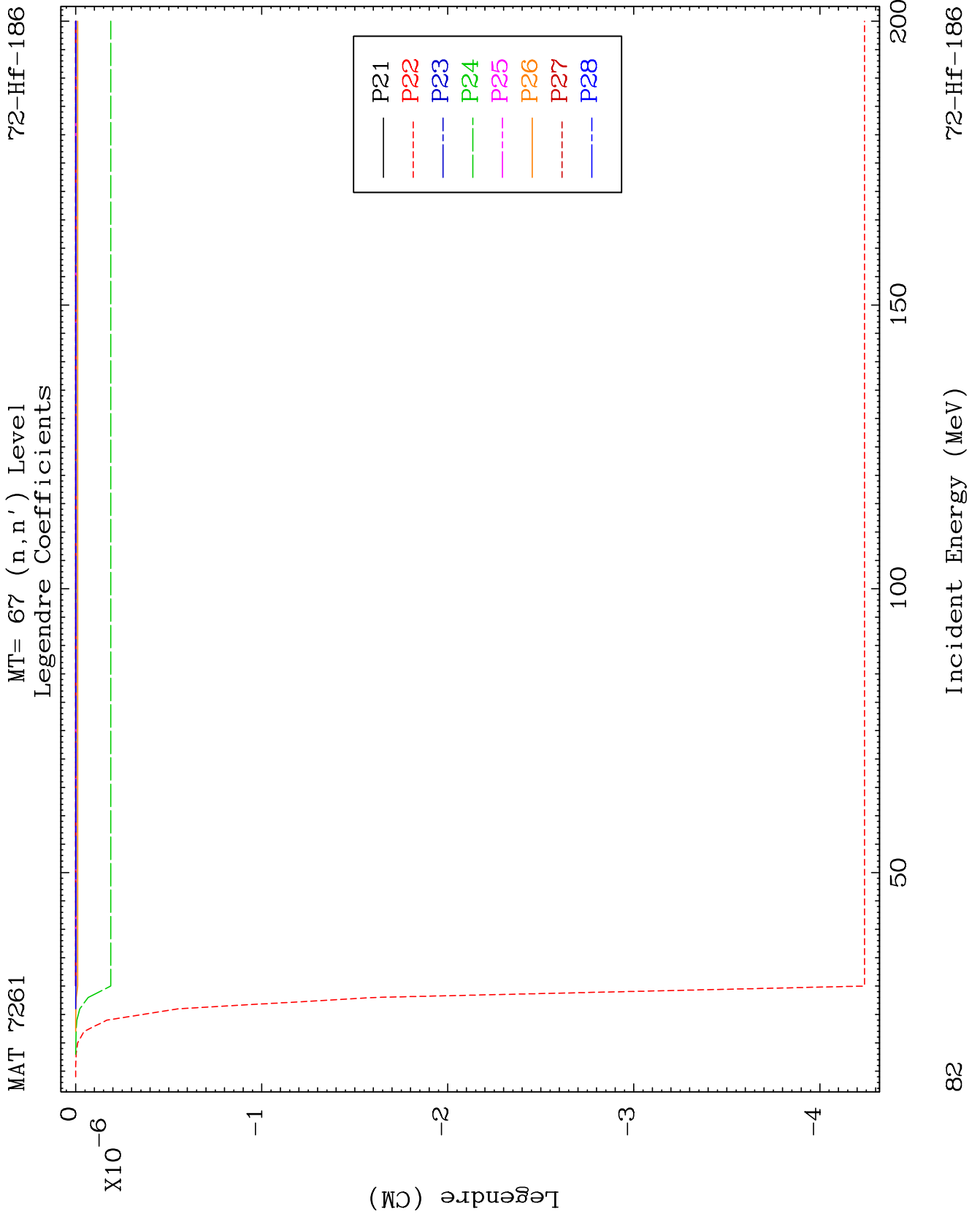
72-Hf-186



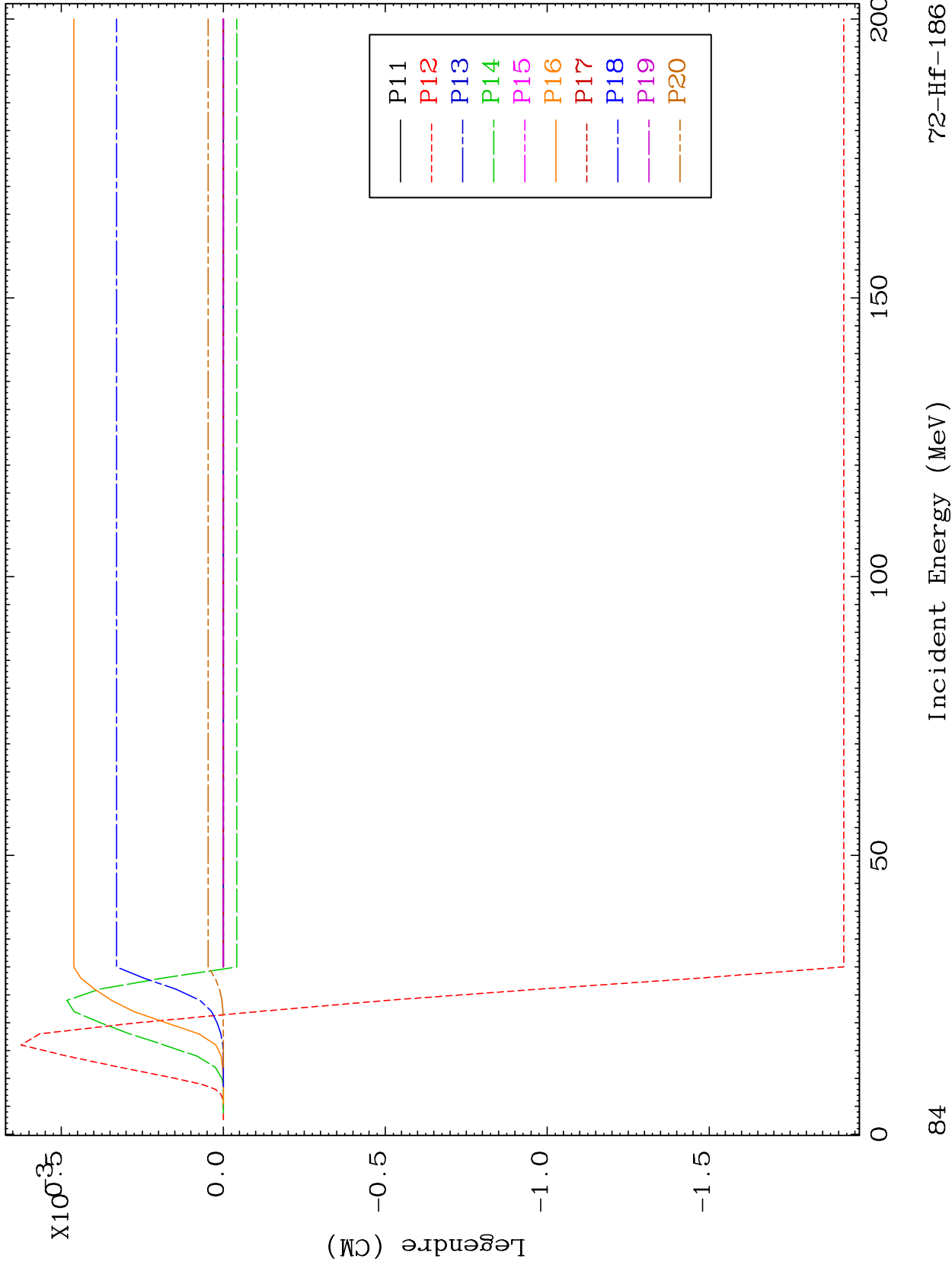
81

Incident Energy (MeV)

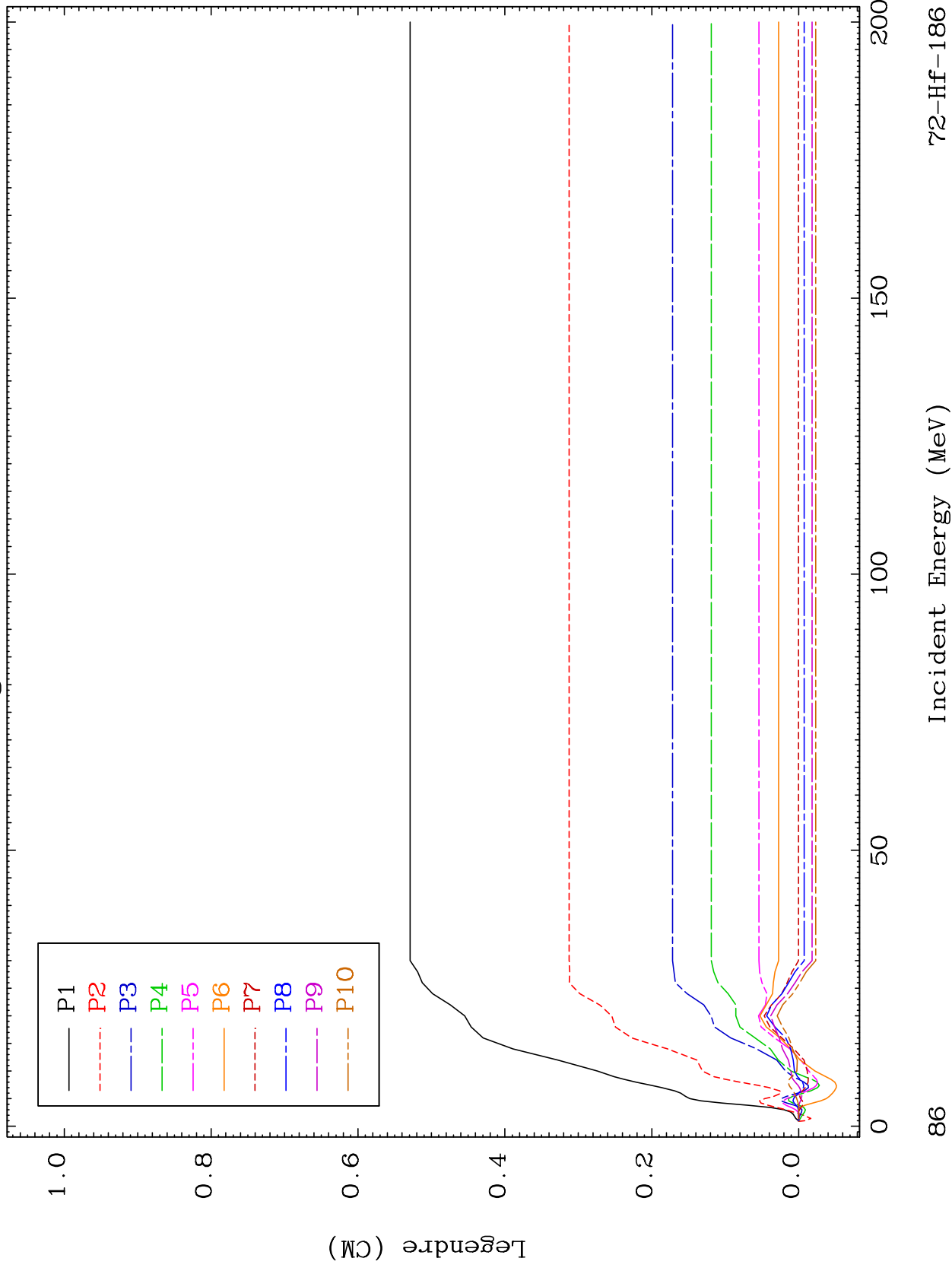
72-Hf-186







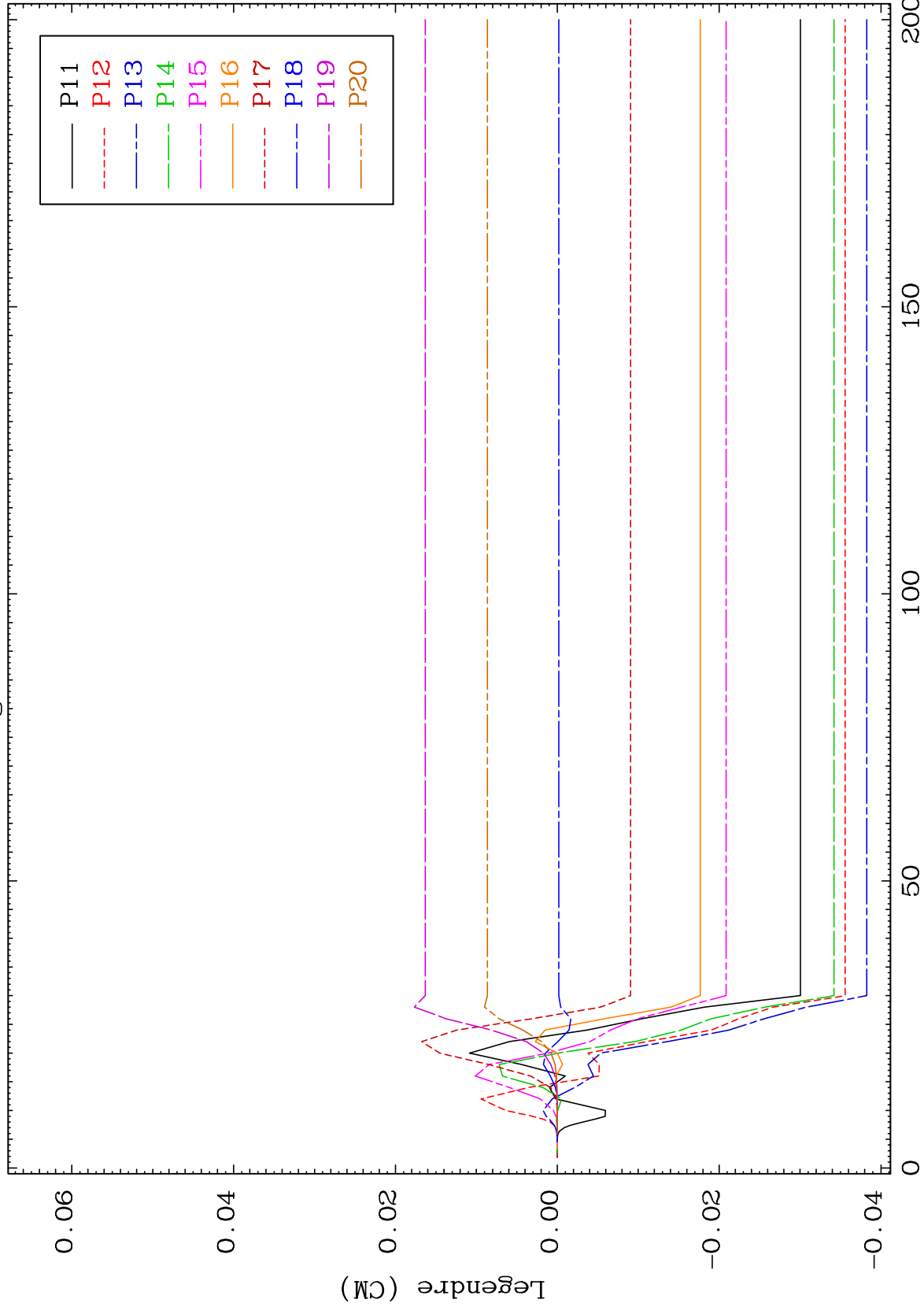




MAT 7261

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

72-Hf-186

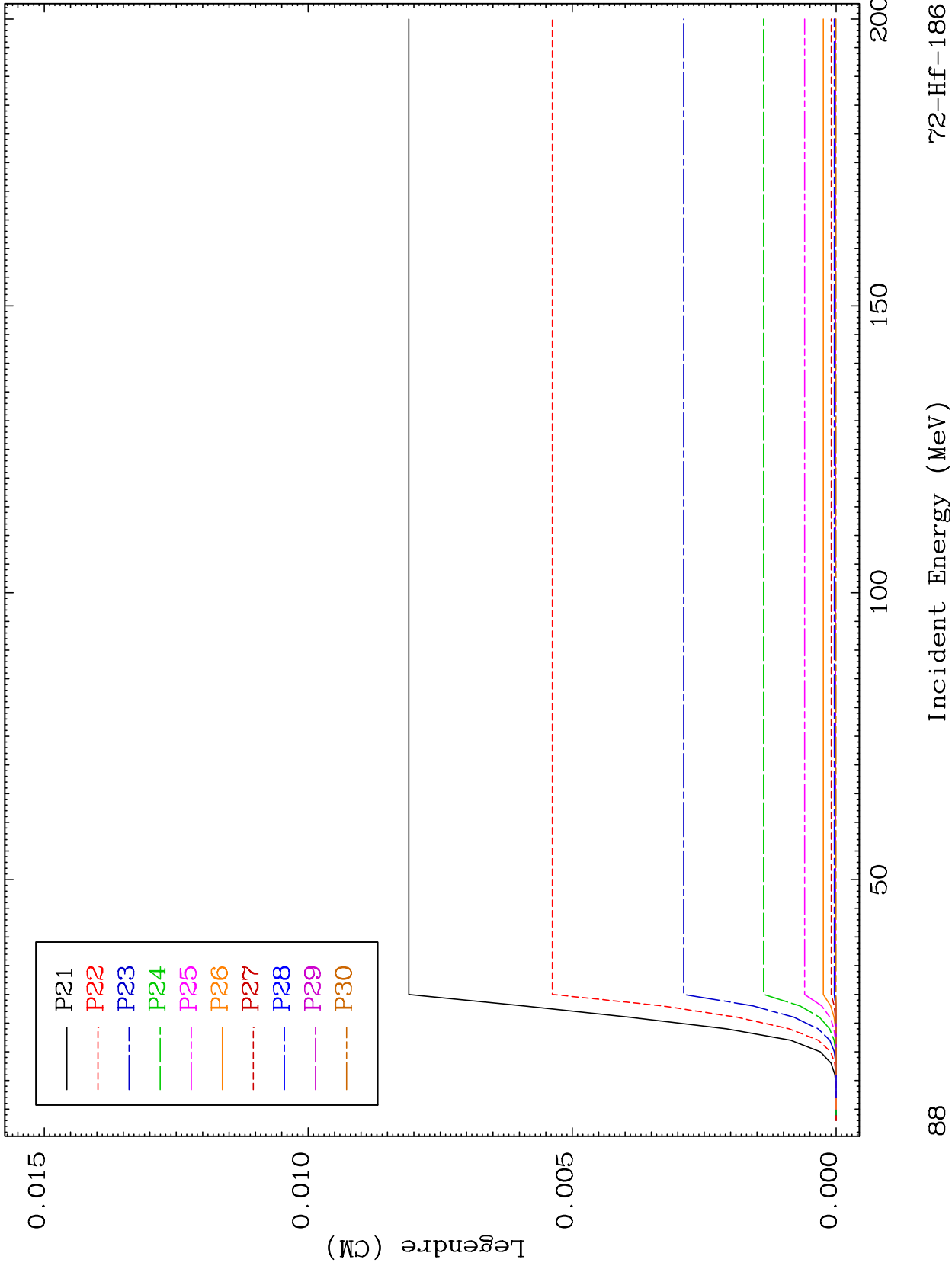


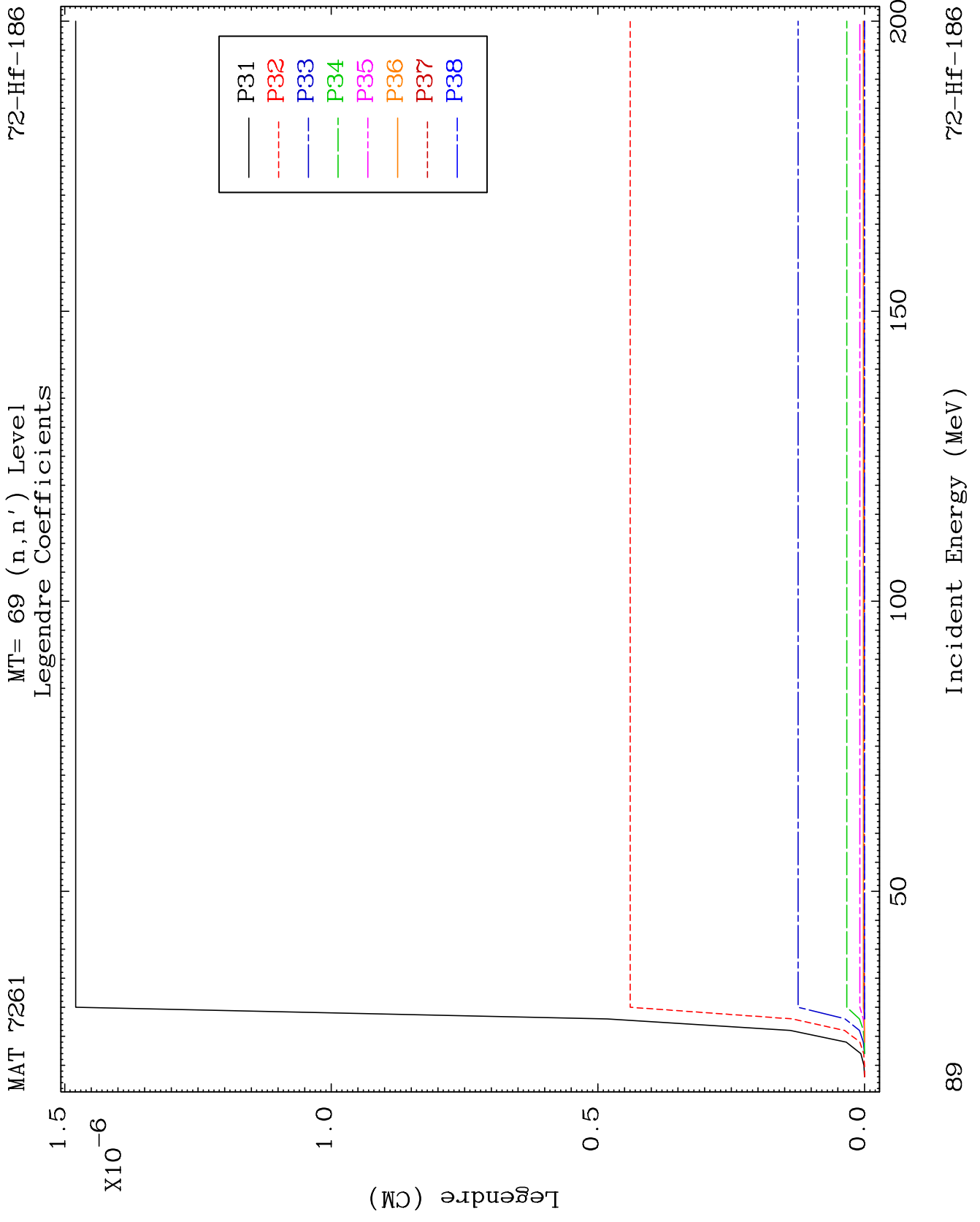
87

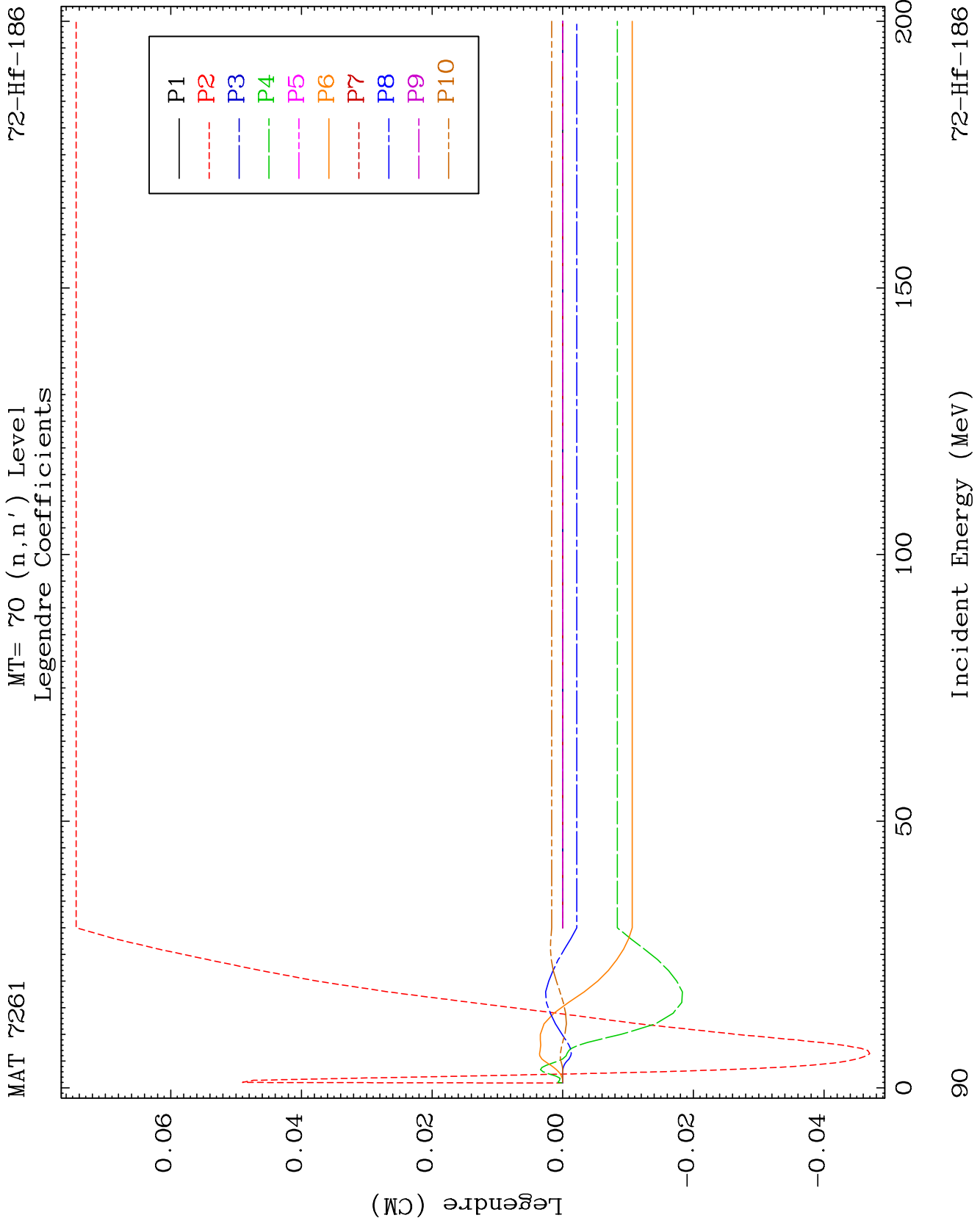
Incident Energy (MeV)

72-Hf-186





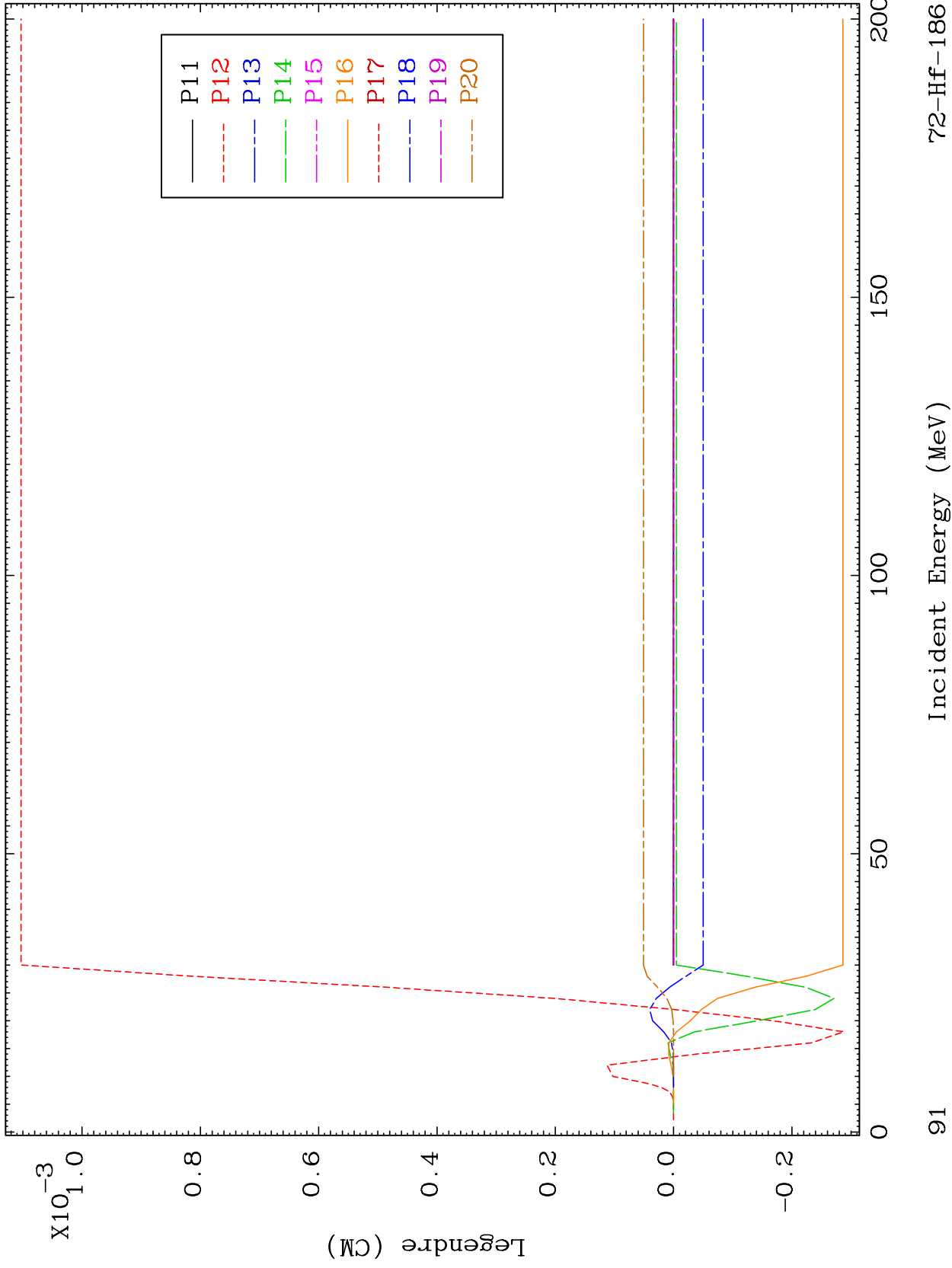


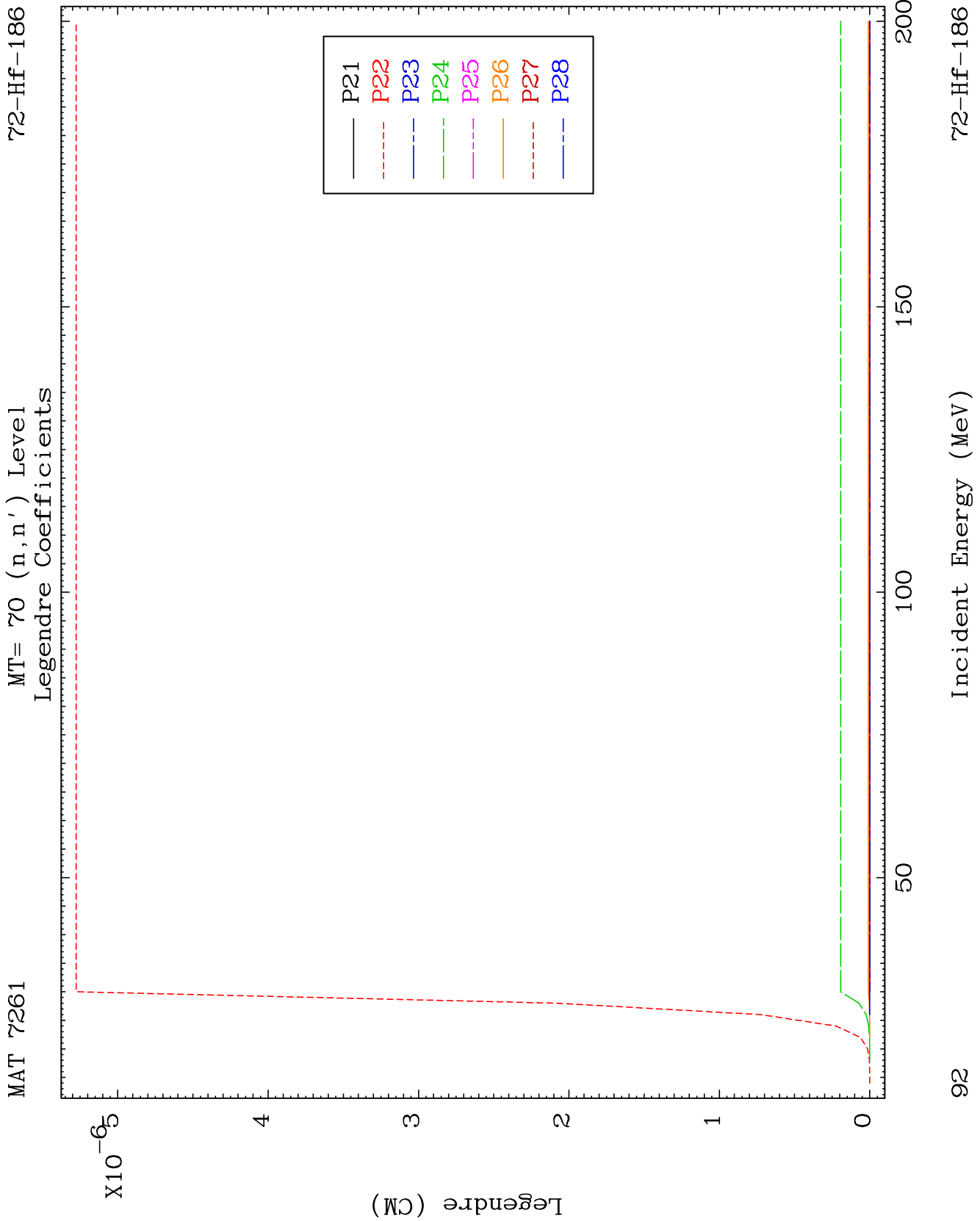


MAT 7261

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

72-Hf-186

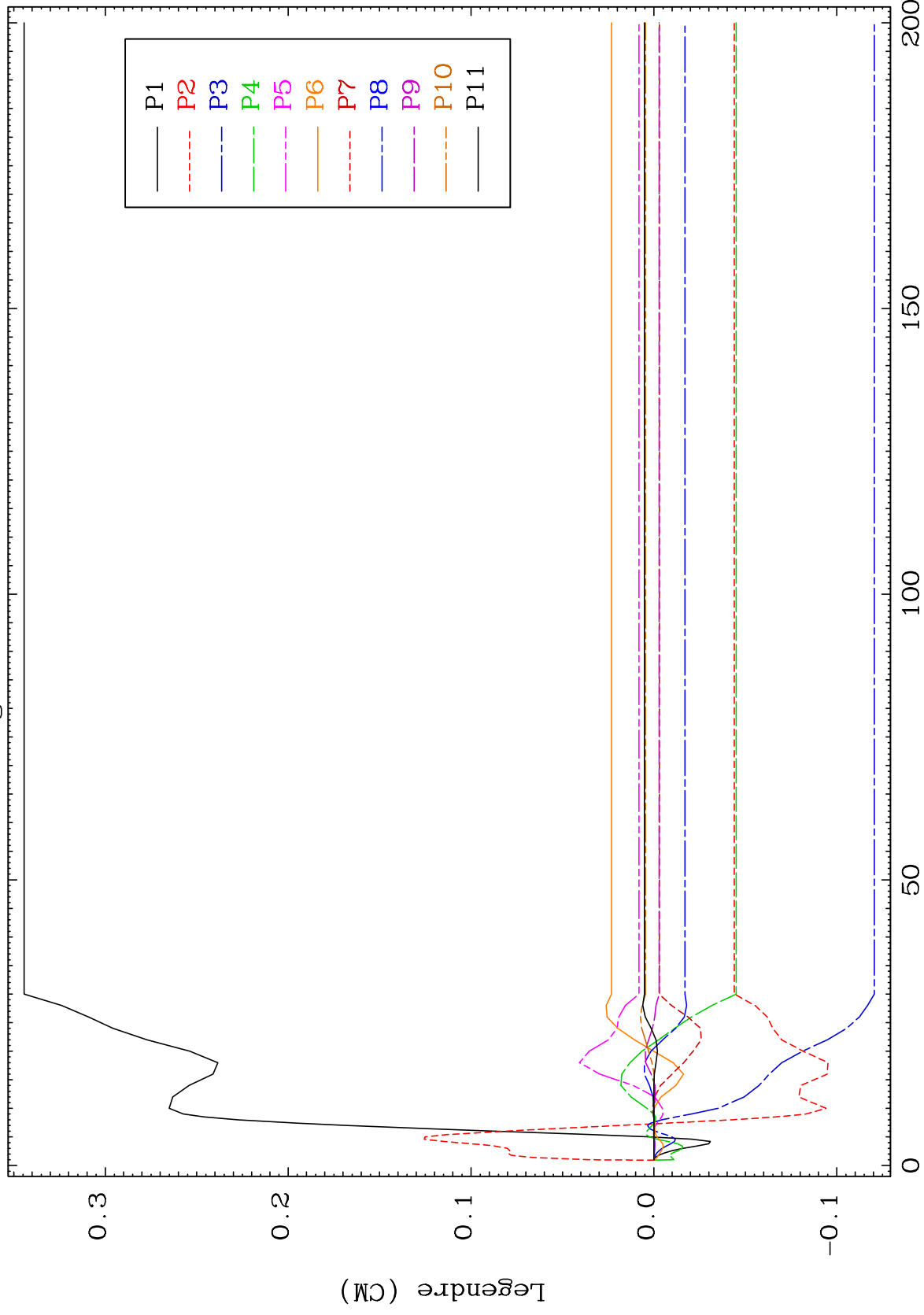




MAT 7261

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

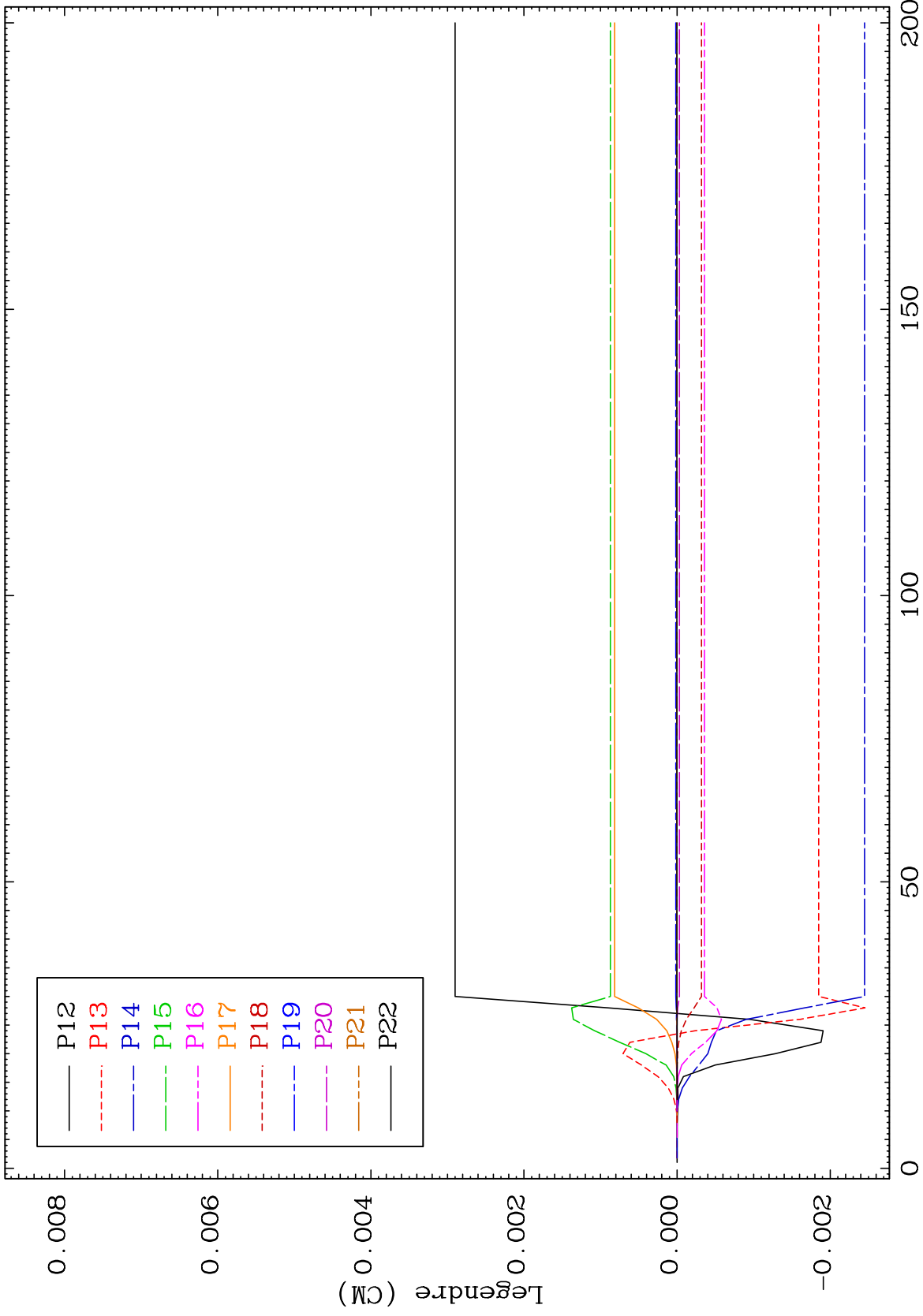
72-Hf-186

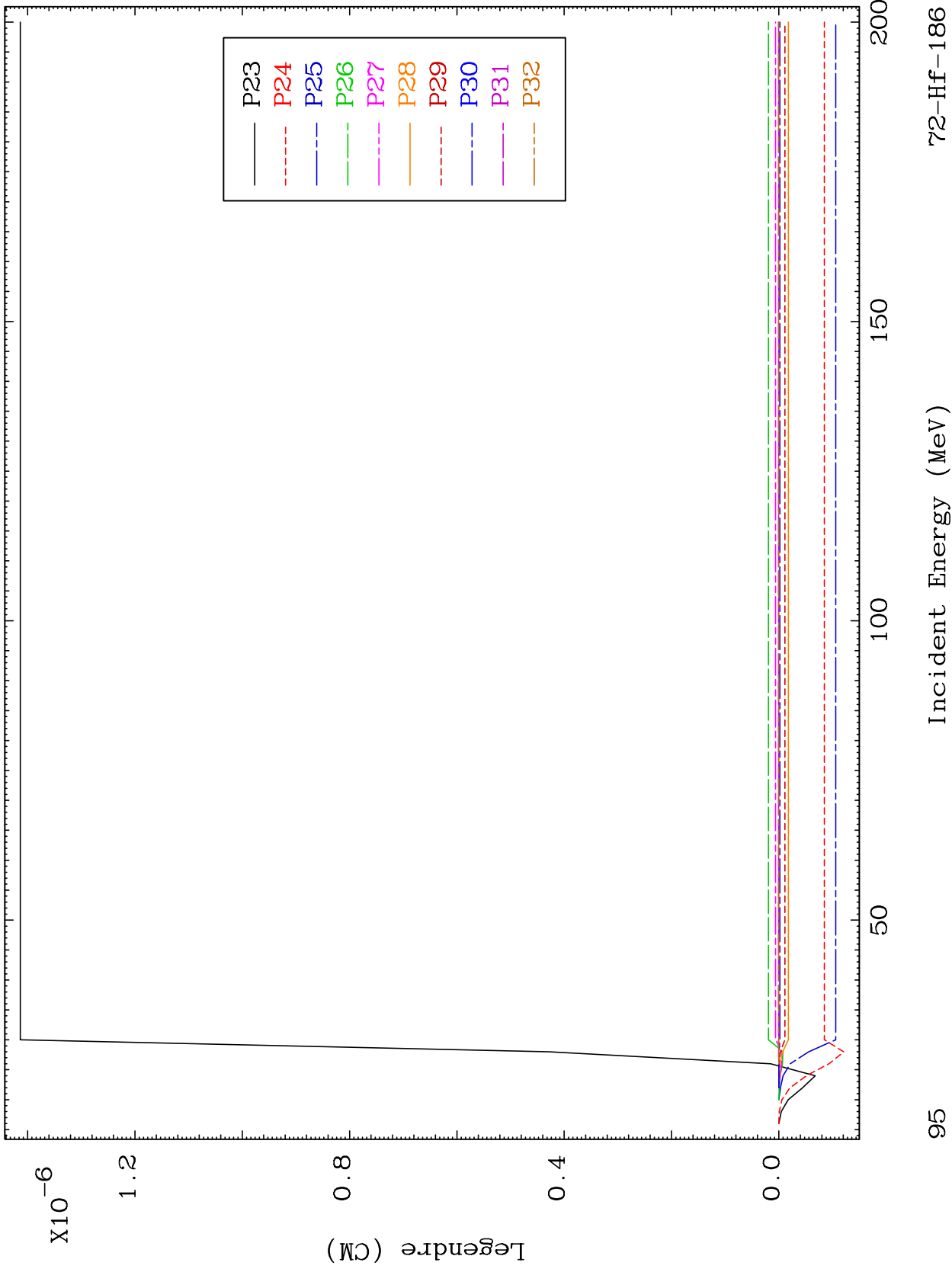


93

Incident Energy (MeV)

72-Hf-186



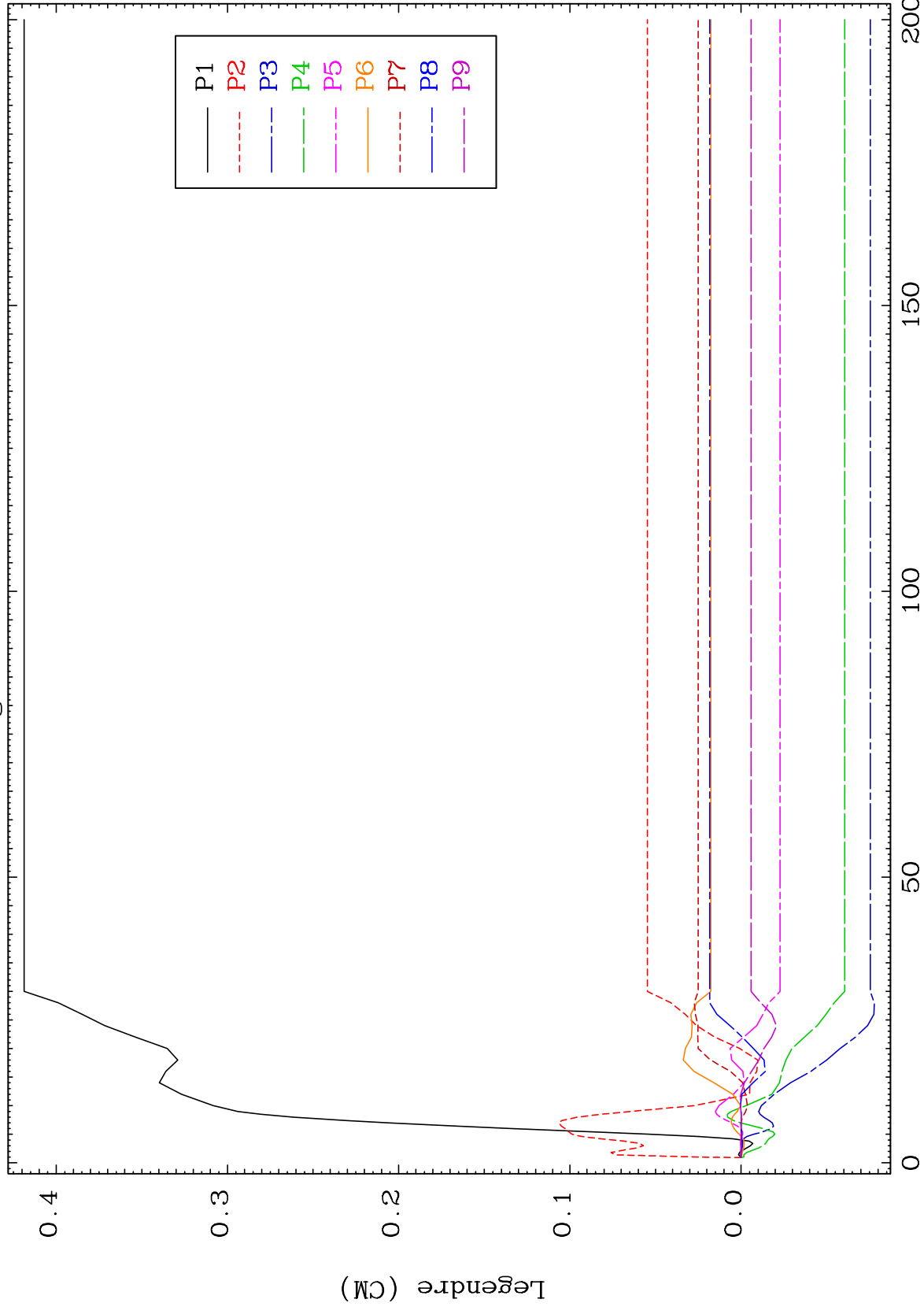




MAT 7261

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

72-Hf-186



96

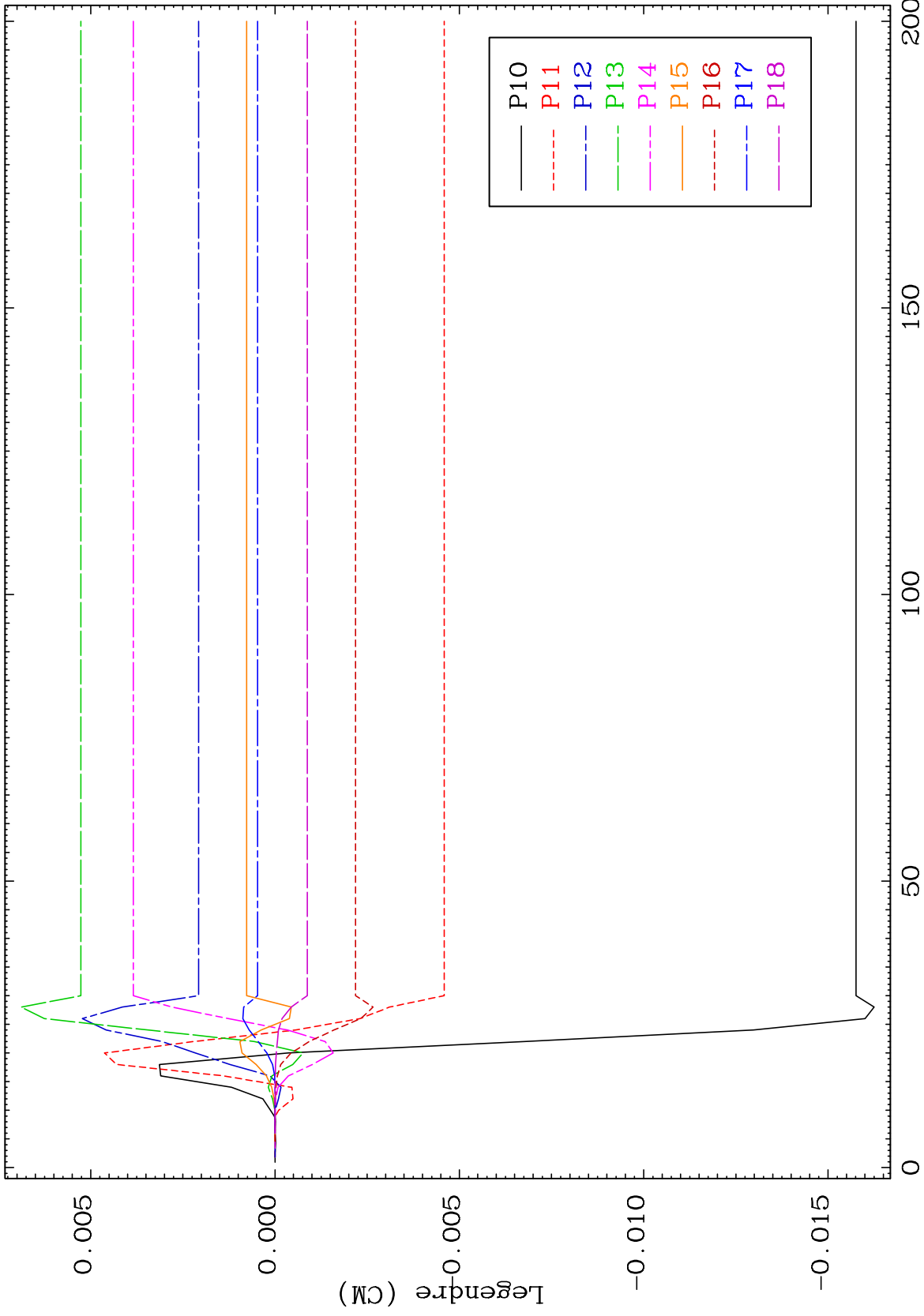
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

72-Hf-186



97

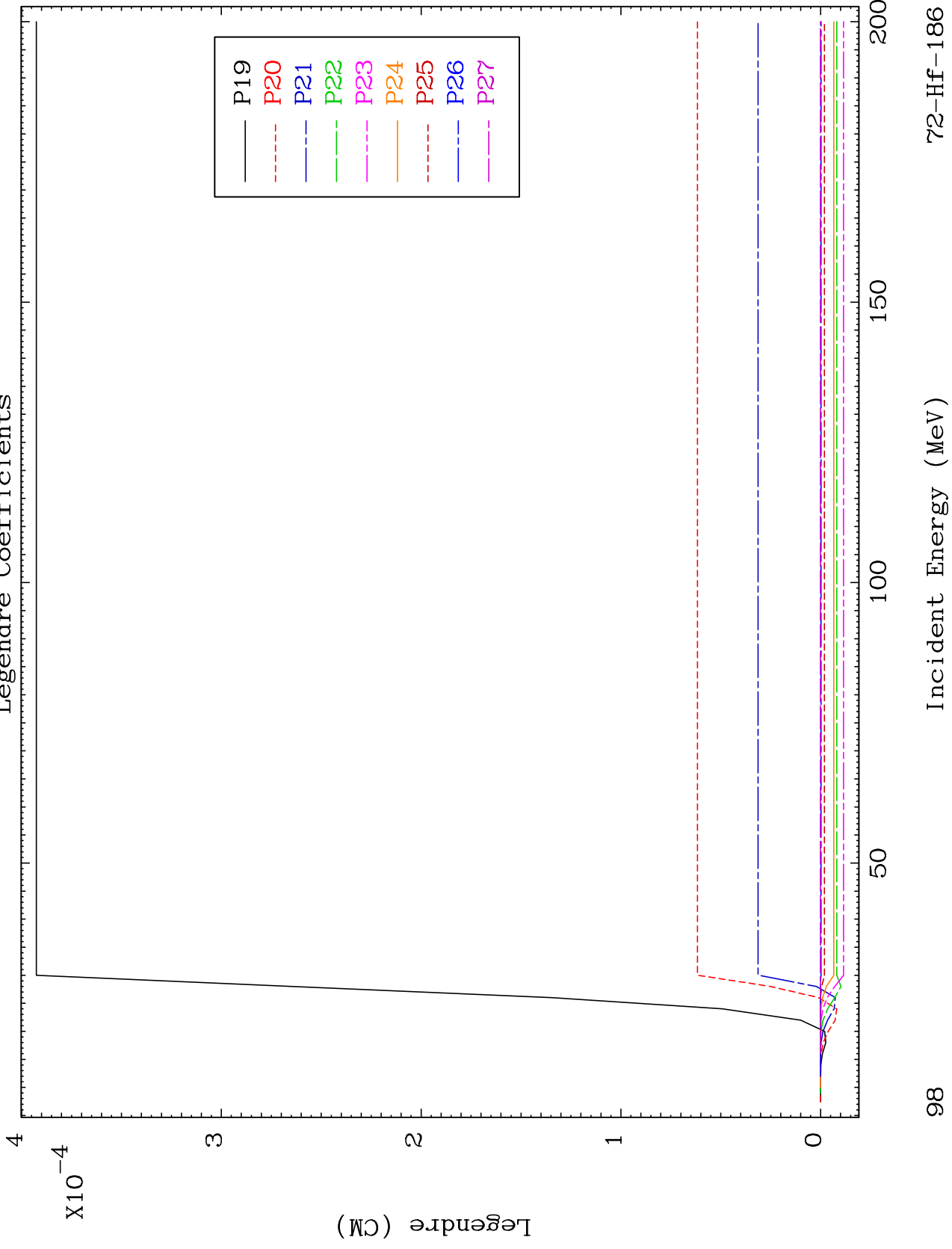
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

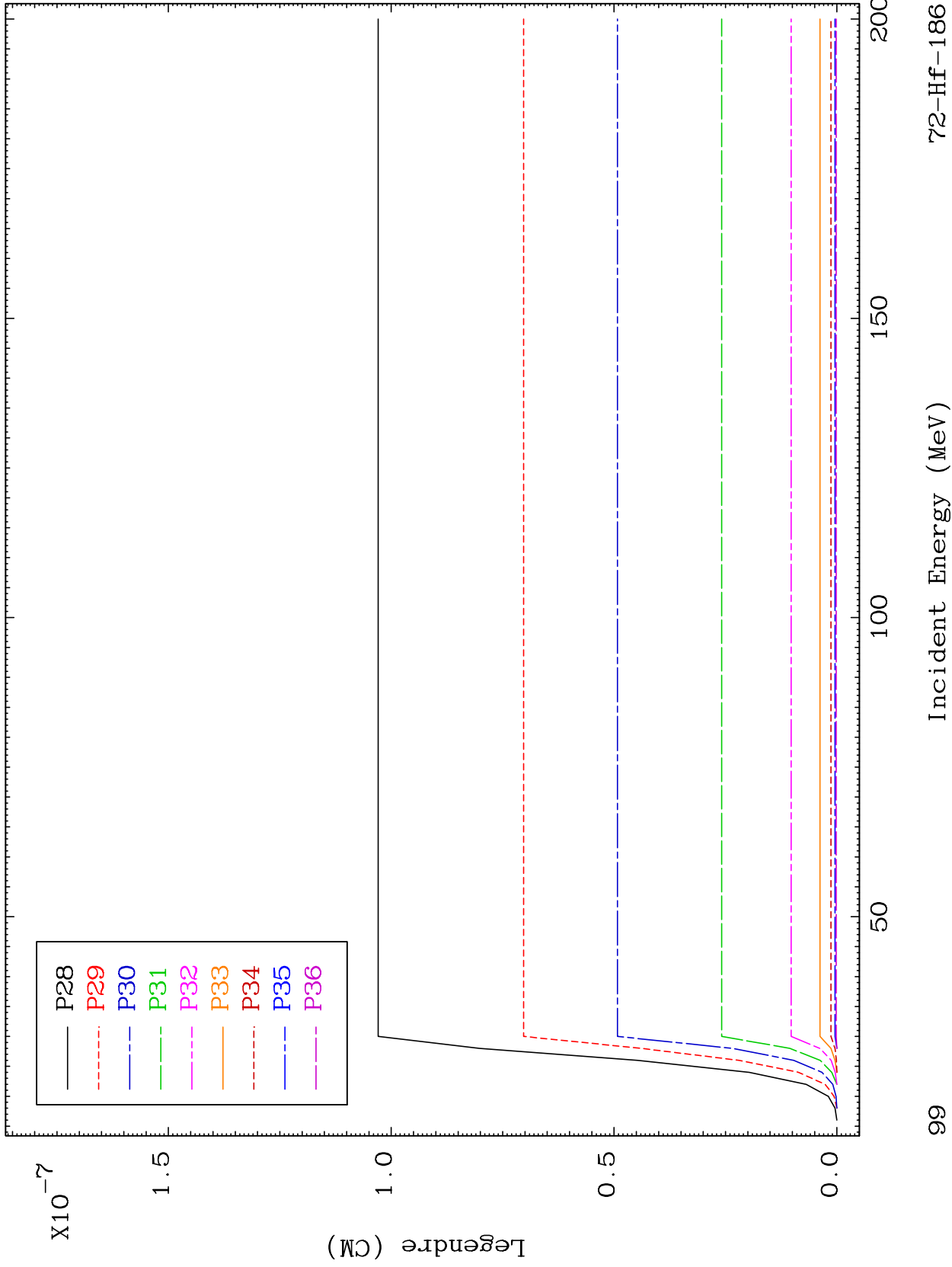
72-Hf-186



MAT 7261

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

72-Hf-186



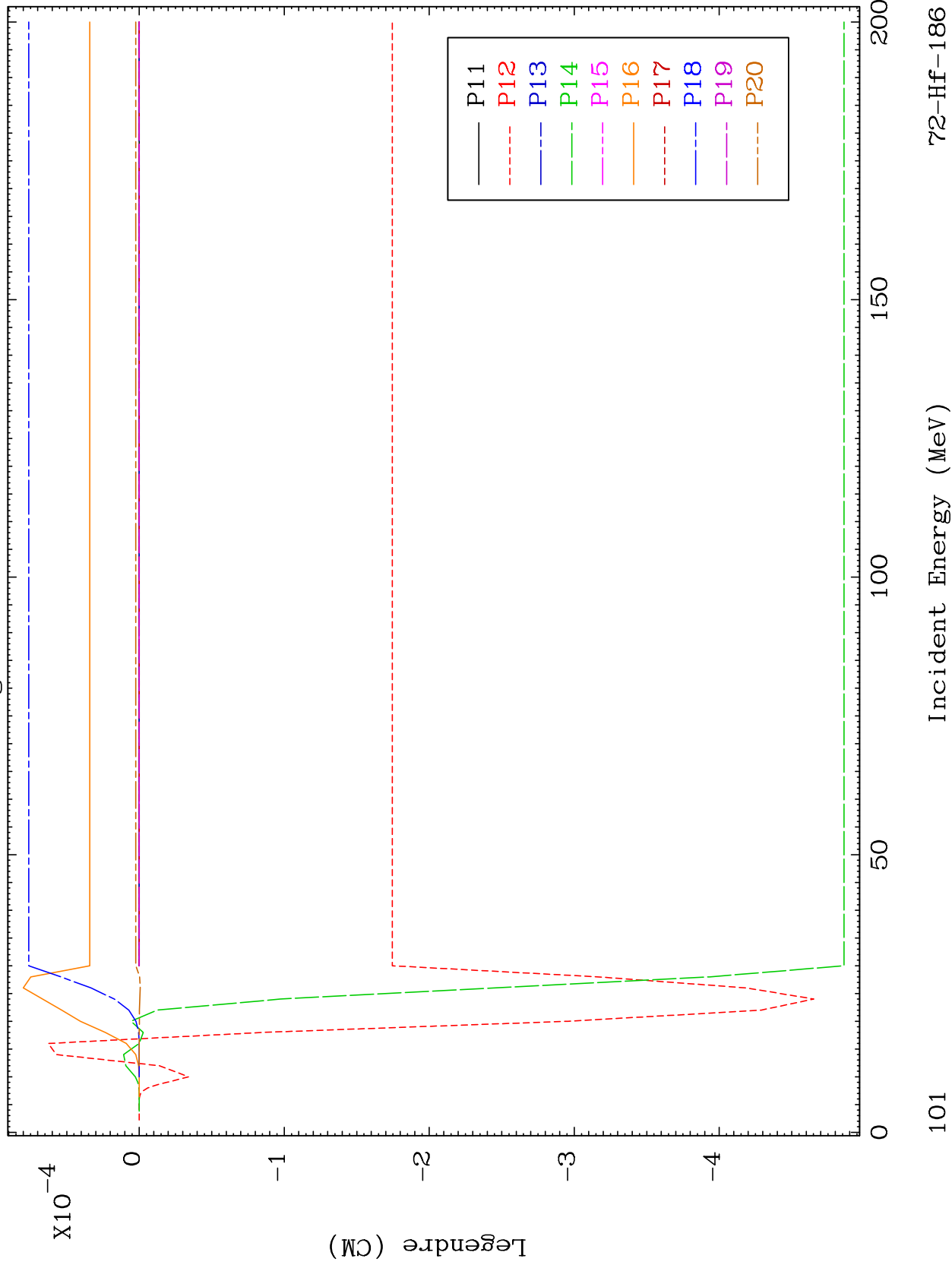


MAT 7261

MT= 73 (n,n') Level

72-Hf-186

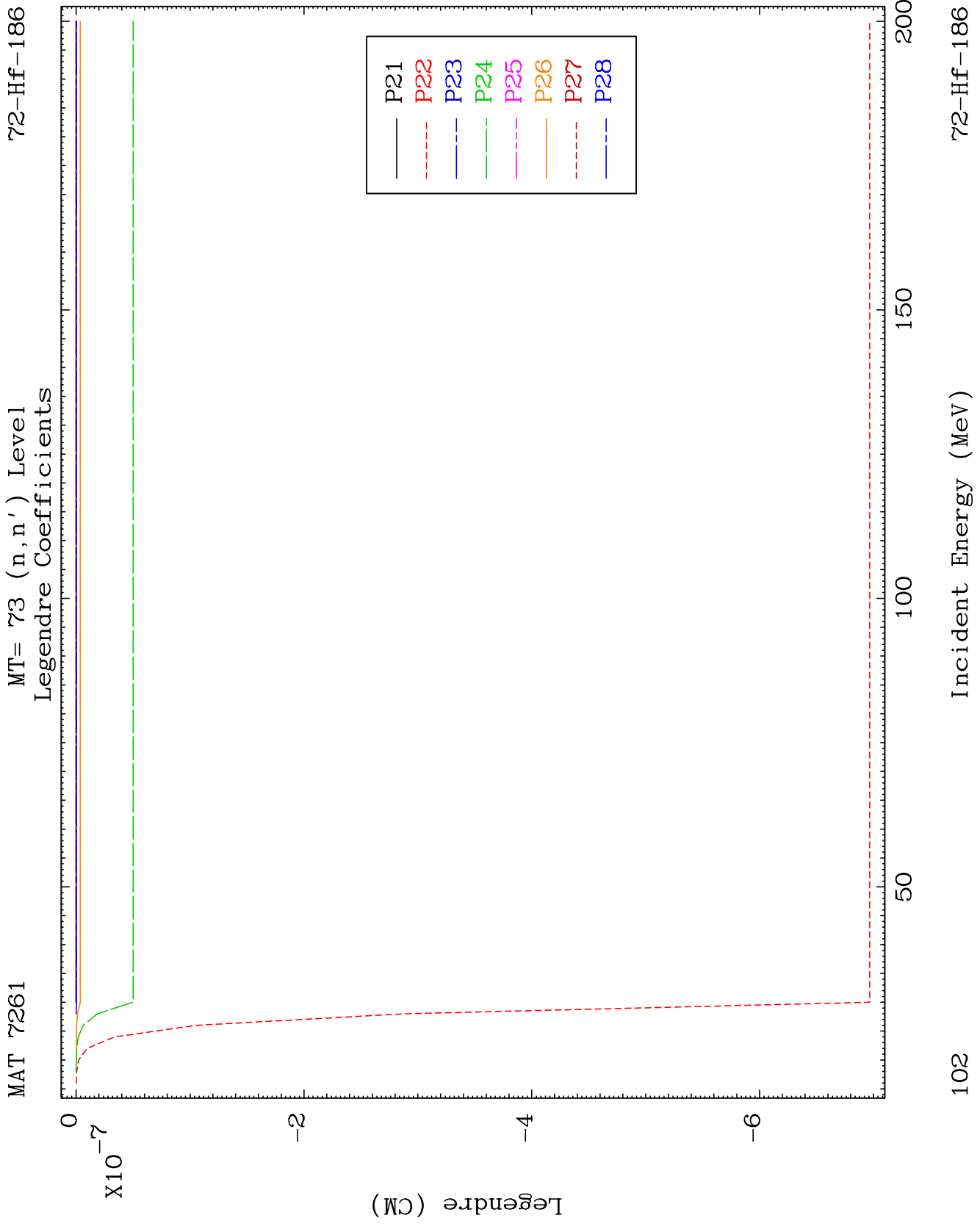
Legendre Coefficients

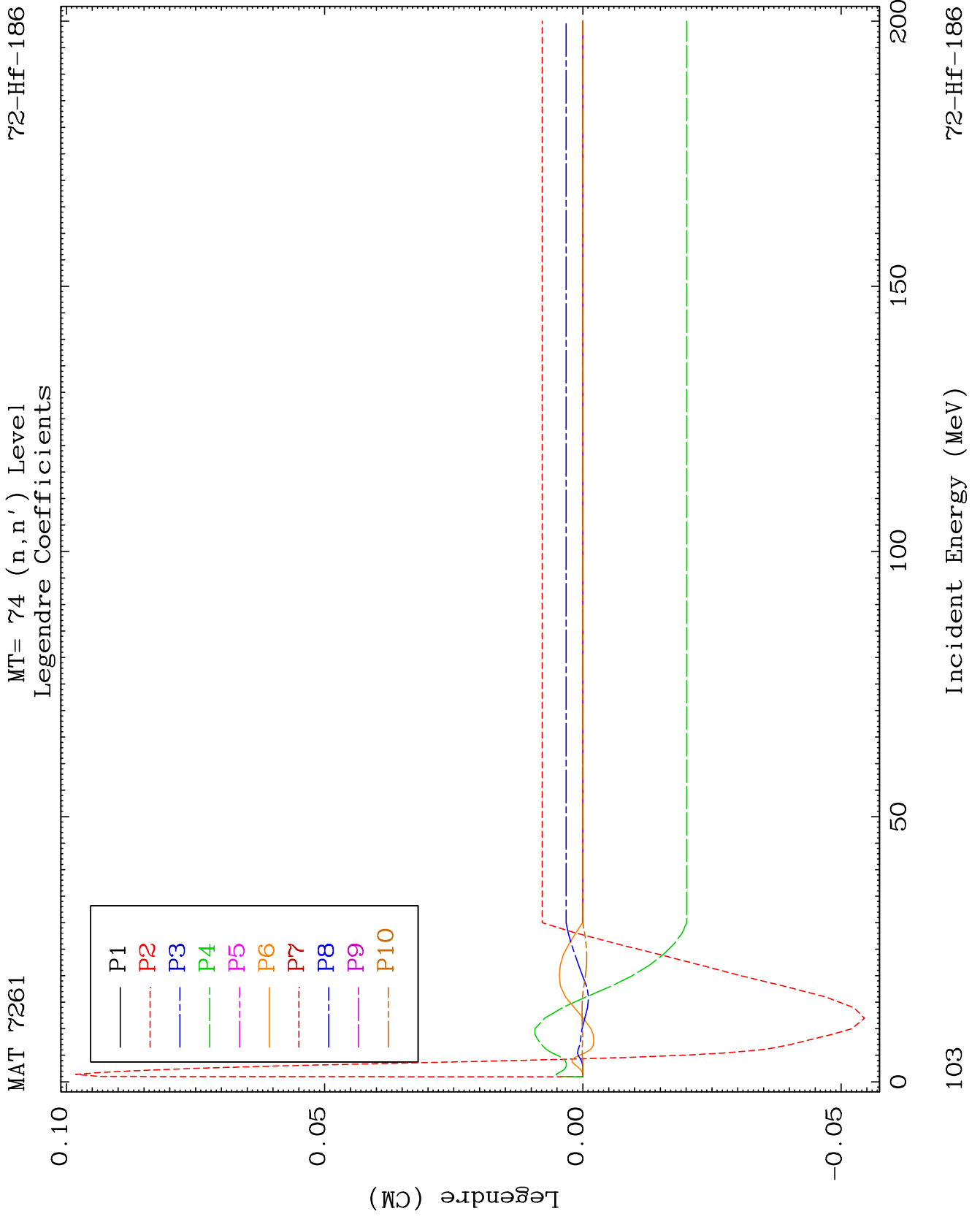


101

Incident Energy (MeV)

72-Hf-186



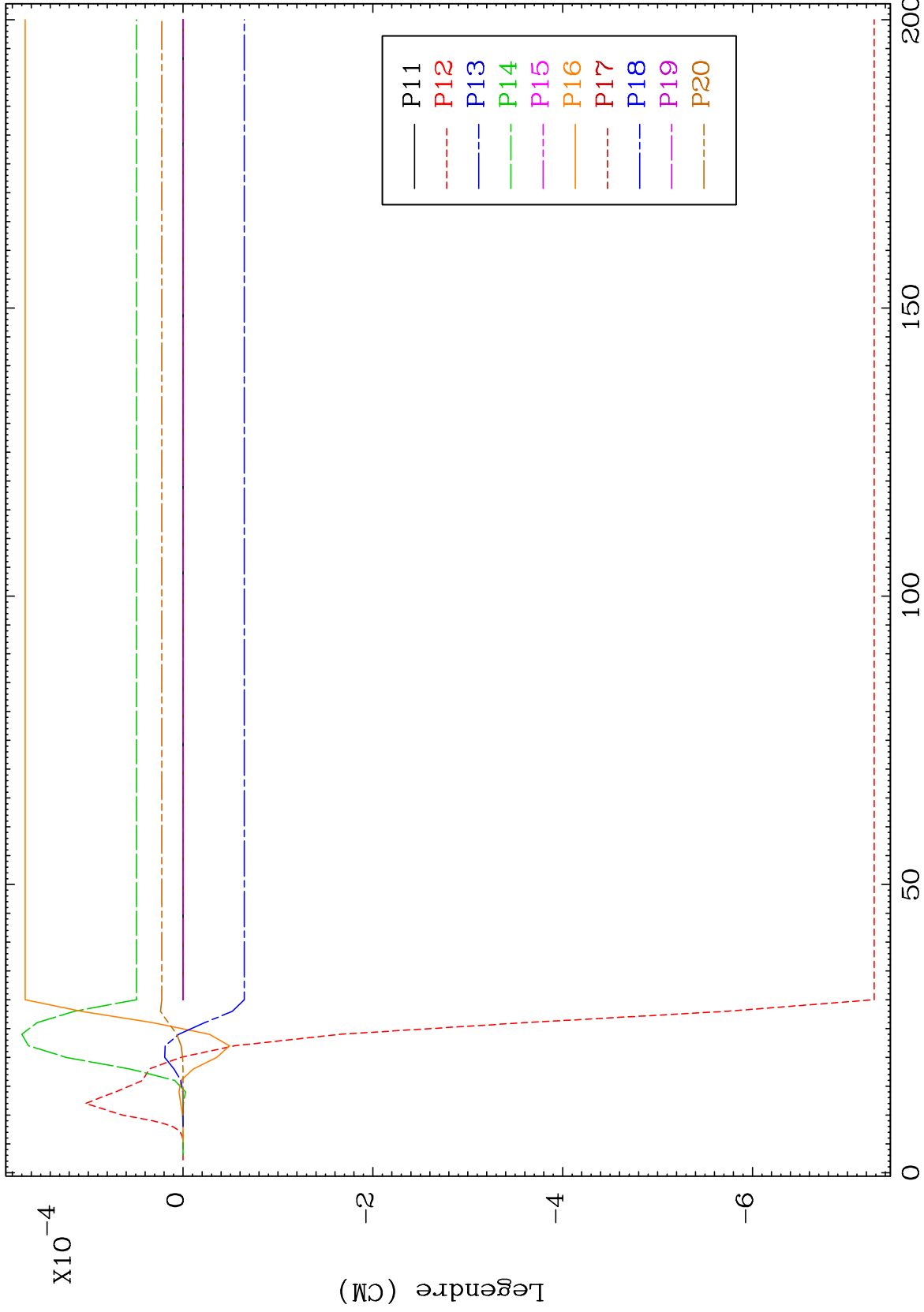




MAT 7261

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

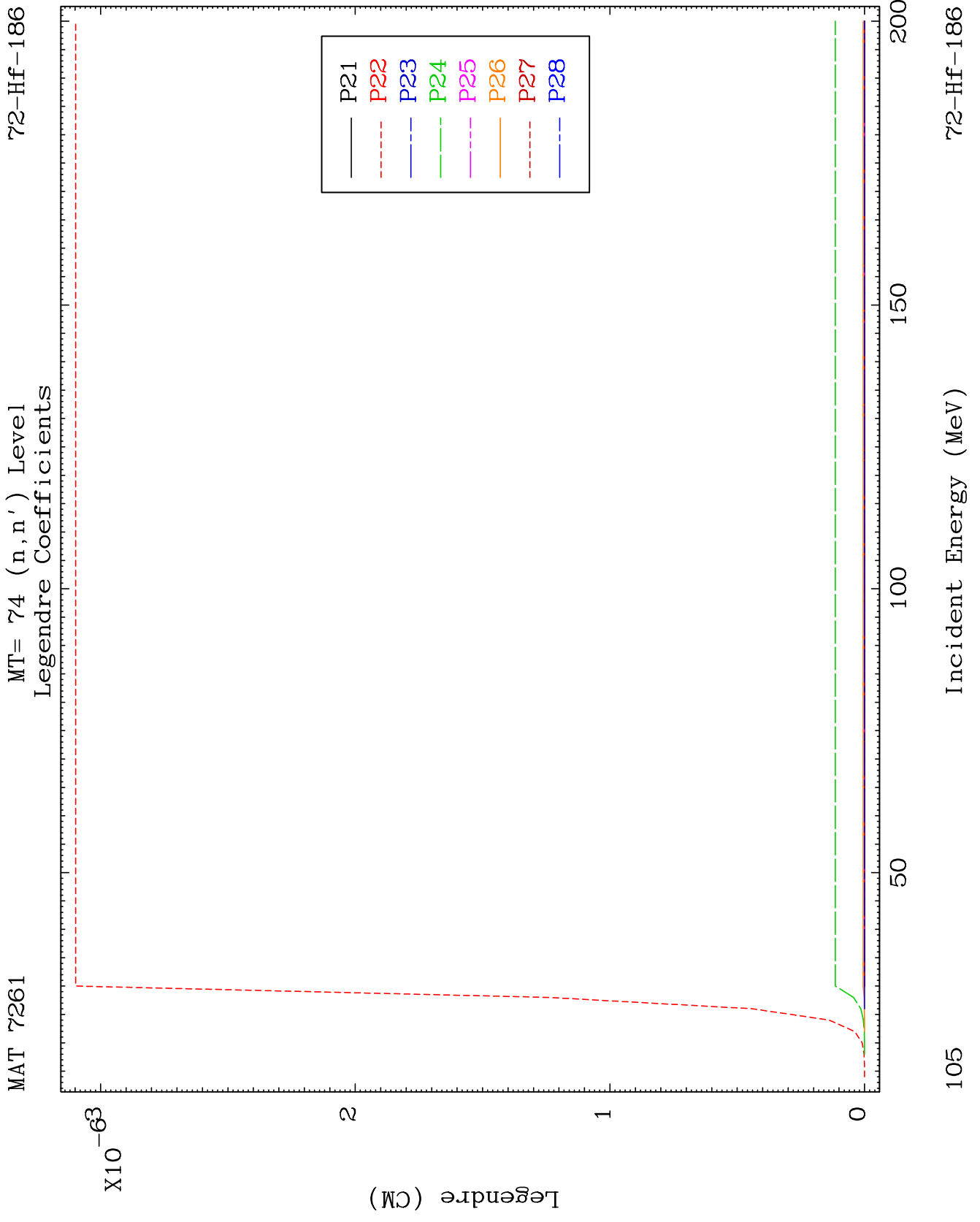
72-Hf-186



104

Incident Energy (MeV)

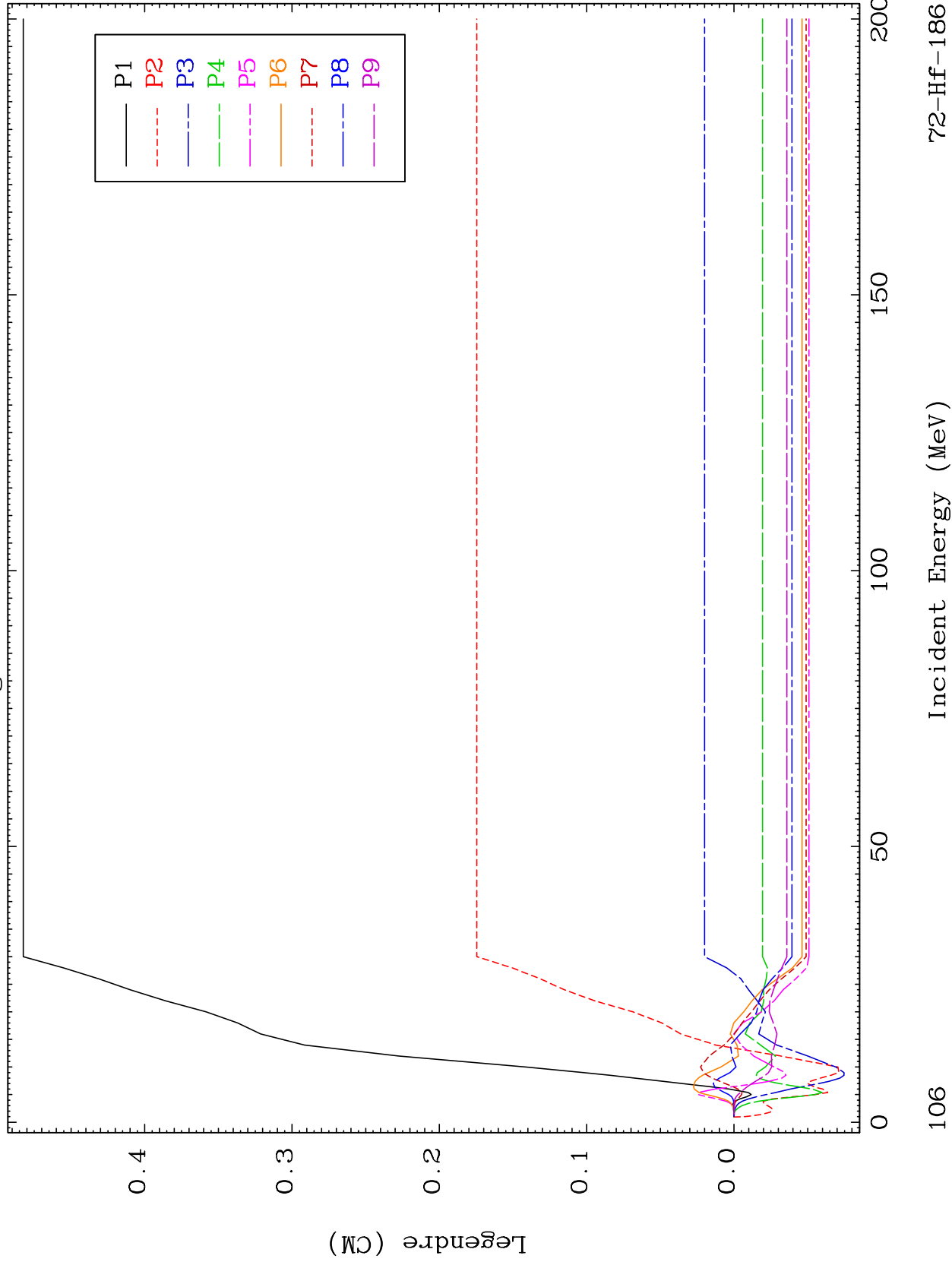
72-Hf-186



MAT 7261

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

72-Hf-186



72-Hf-186

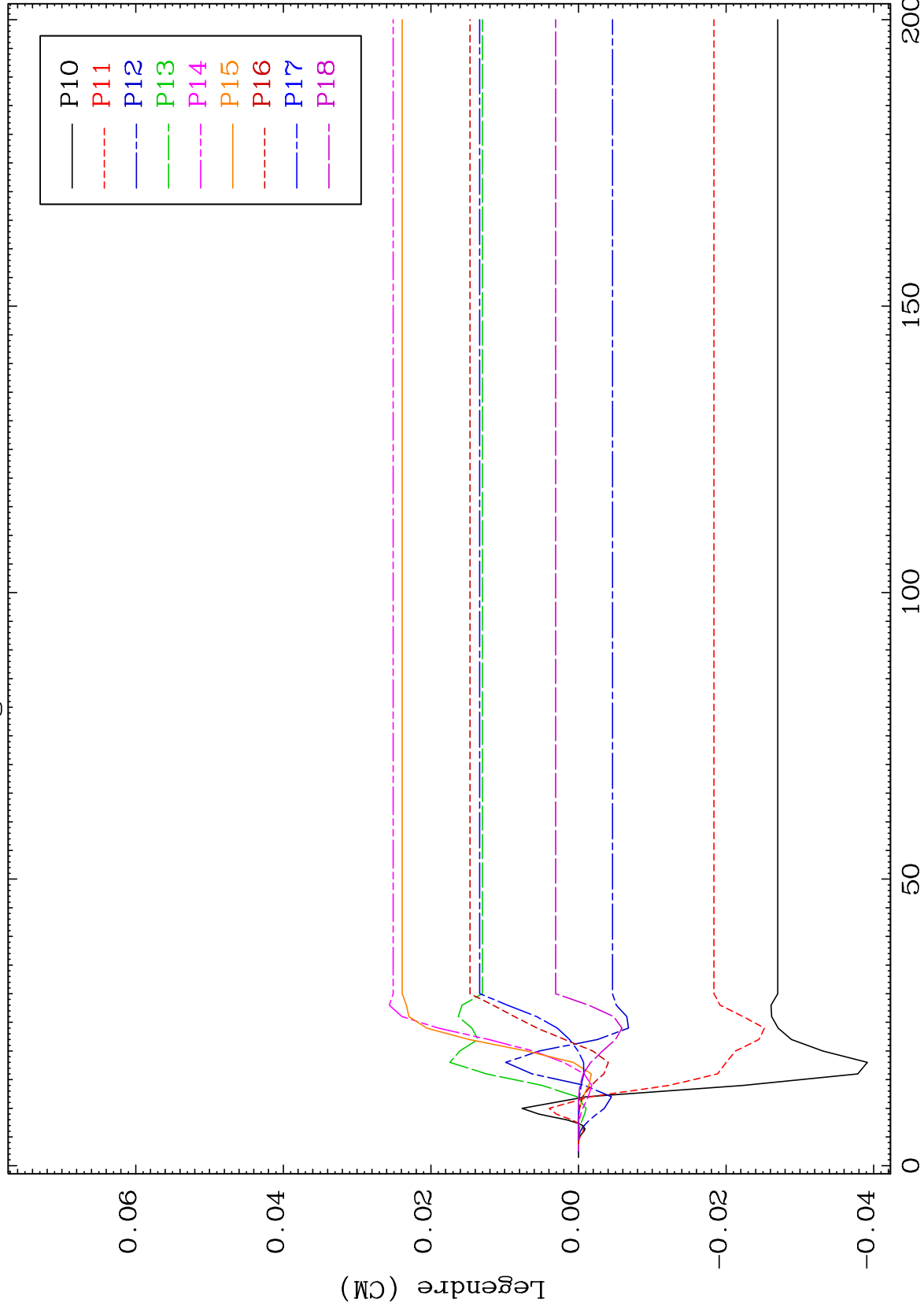
Incident Energy (MeV)

106

MAT 7261

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

72-Hf-186



107

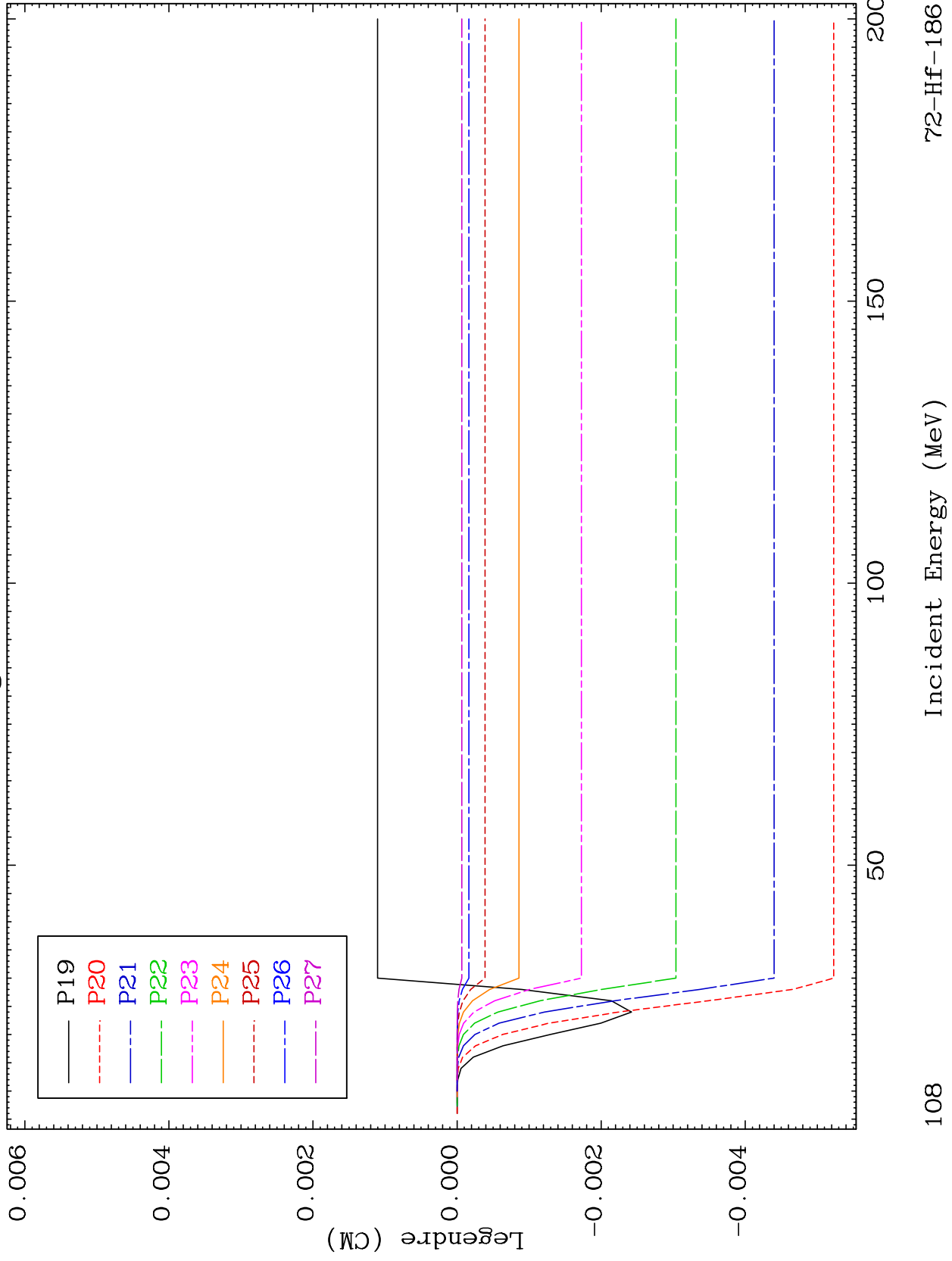
Incident Energy (MeV)

72-Hf-186

MAT 7261

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

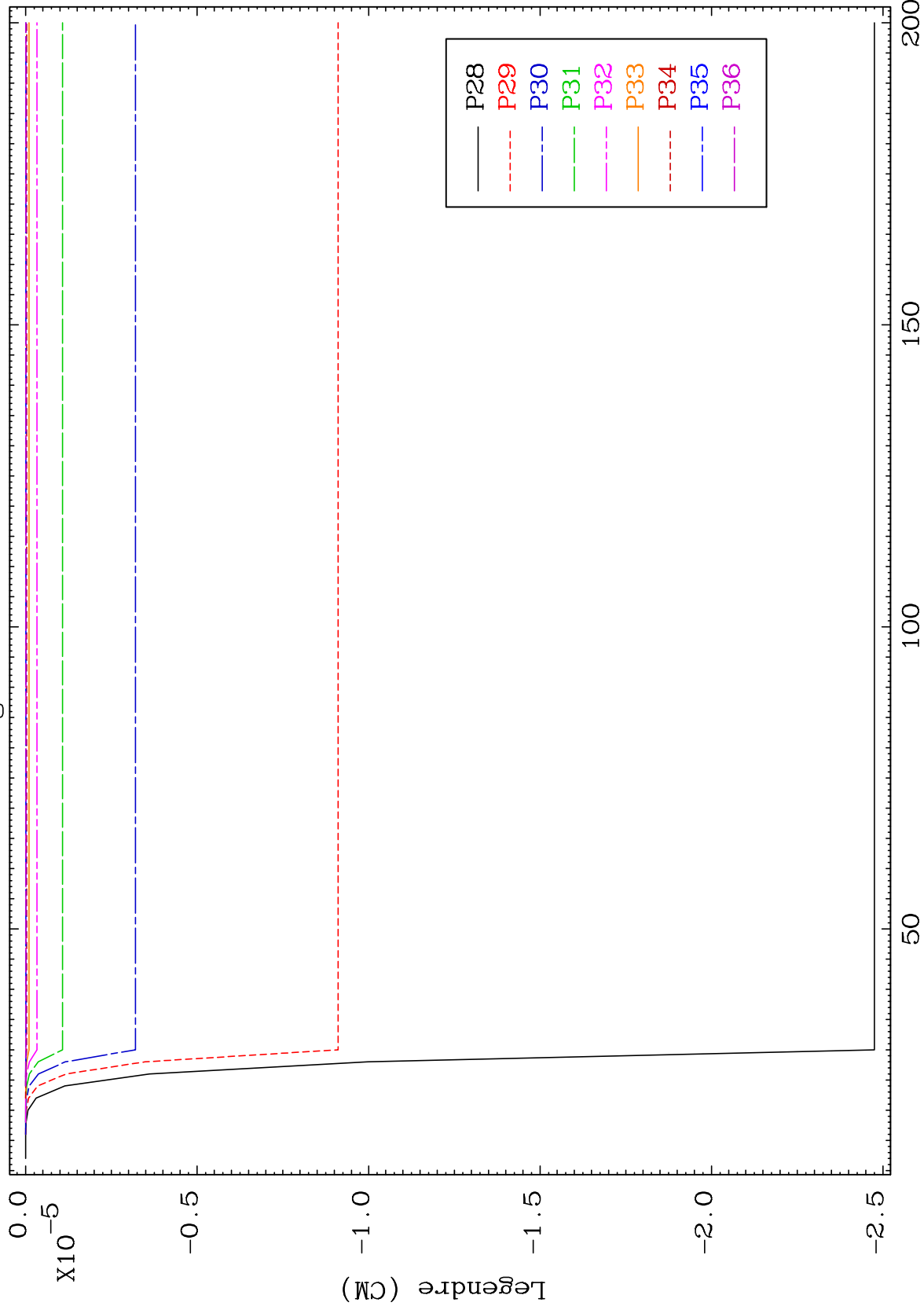
72-Hf-186



108

Incident Energy (MeV)

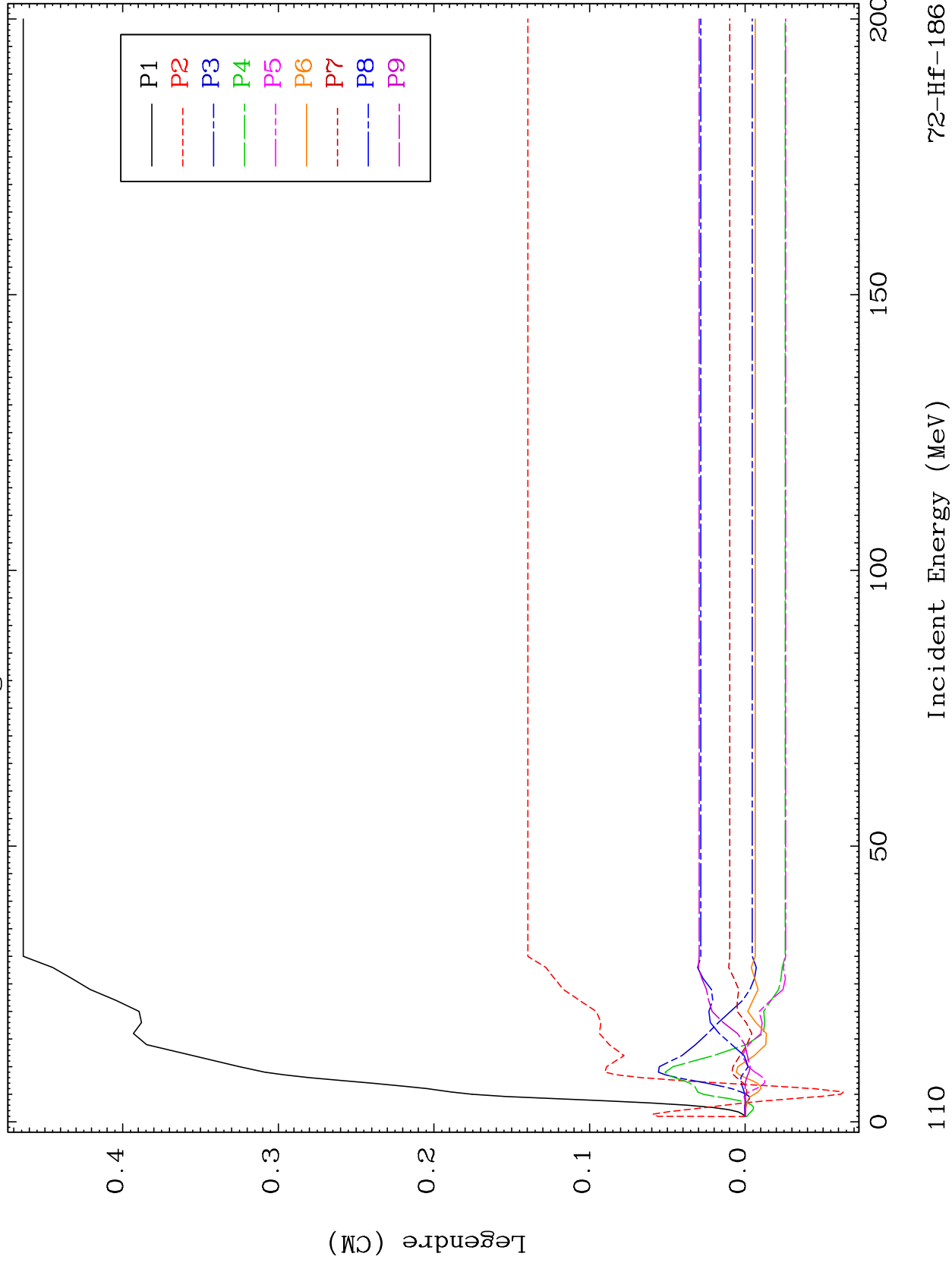
72-Hf-186



MAT 7261

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

72-Hf-186



72-Hf-186

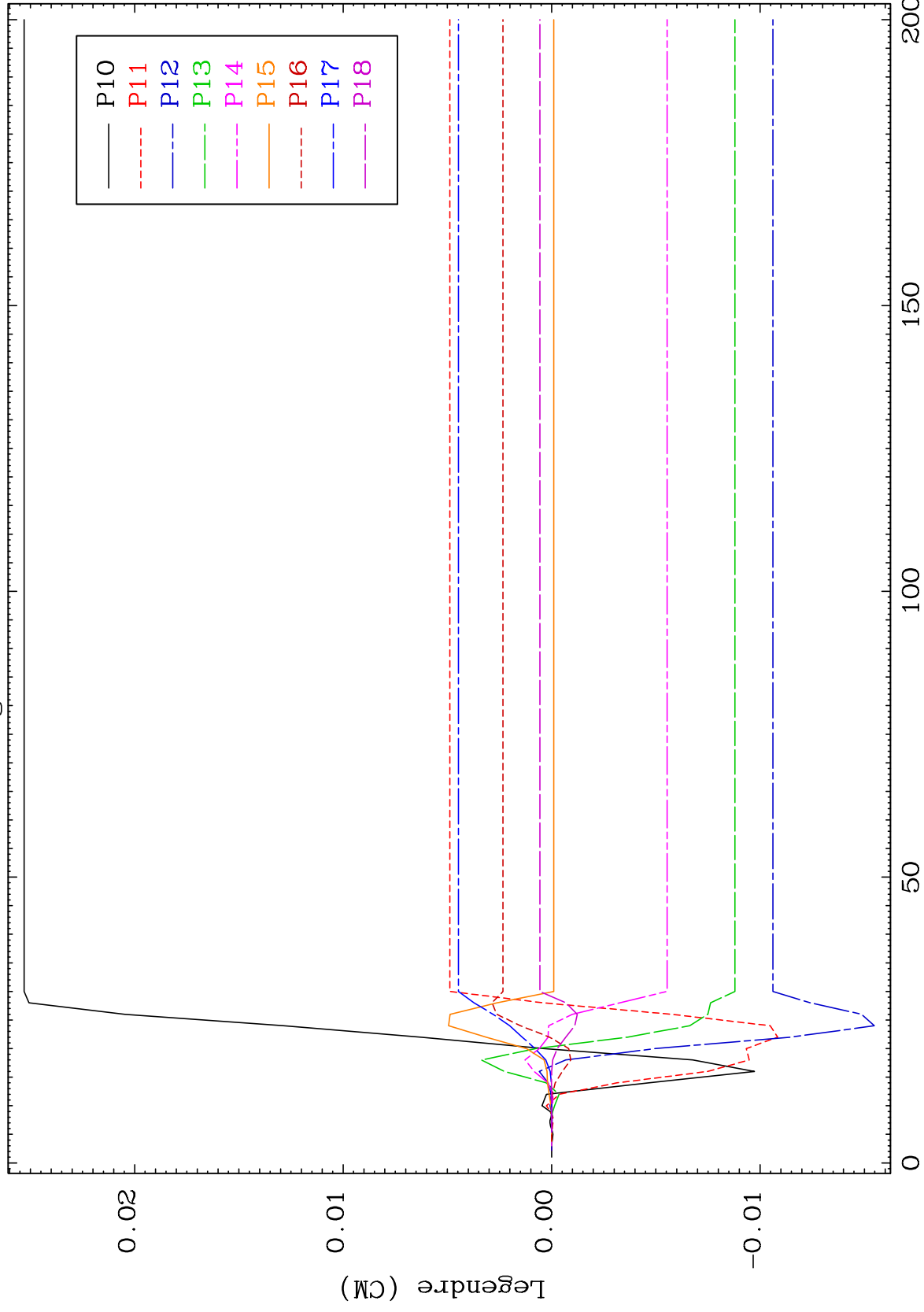
Incident Energy (MeV)

110

MAT 7261

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

72-Hf-186



111

Incident Energy (MeV)

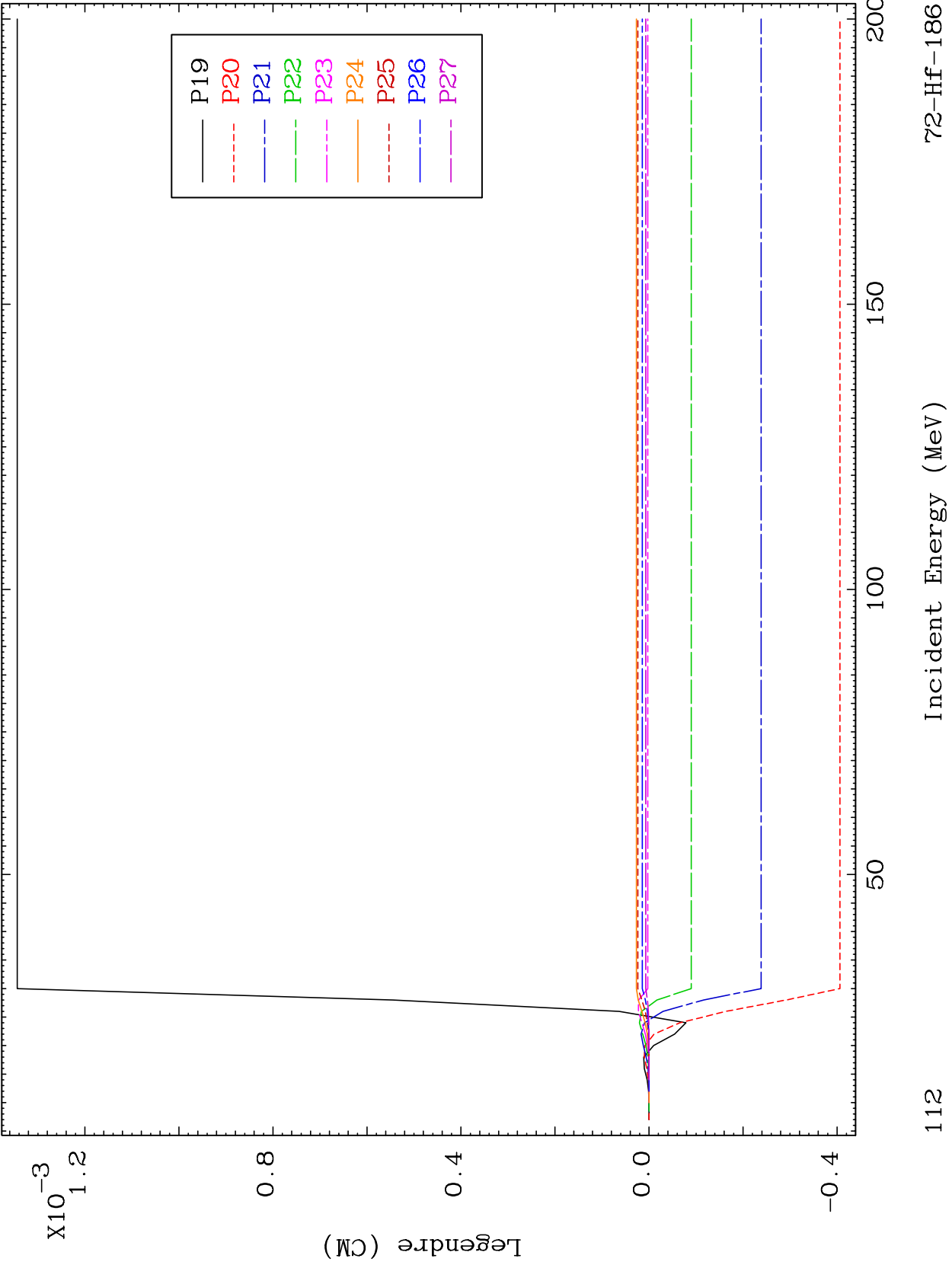
72-Hf-186



MAT 7261

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

72-Hf-186

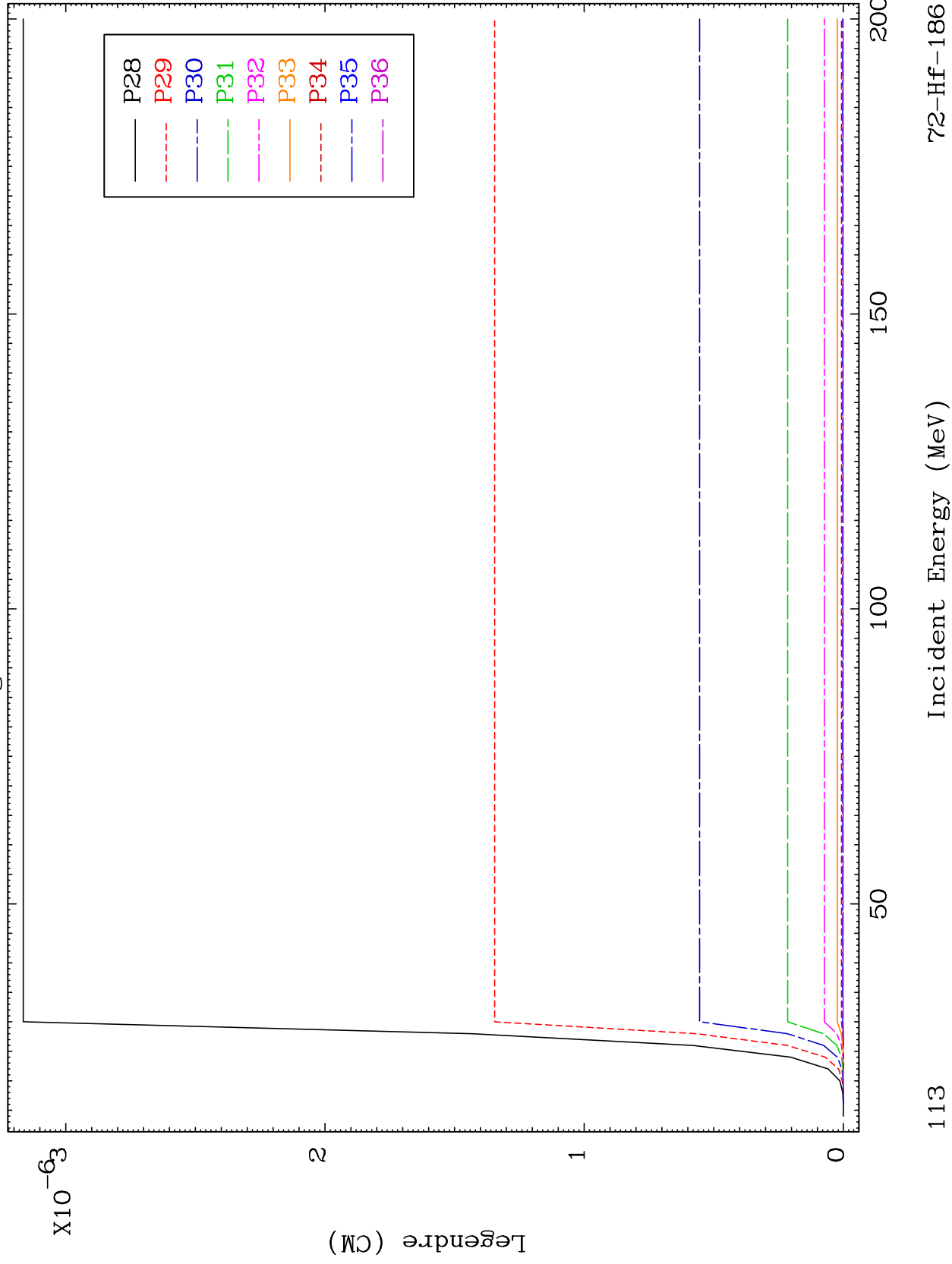


112

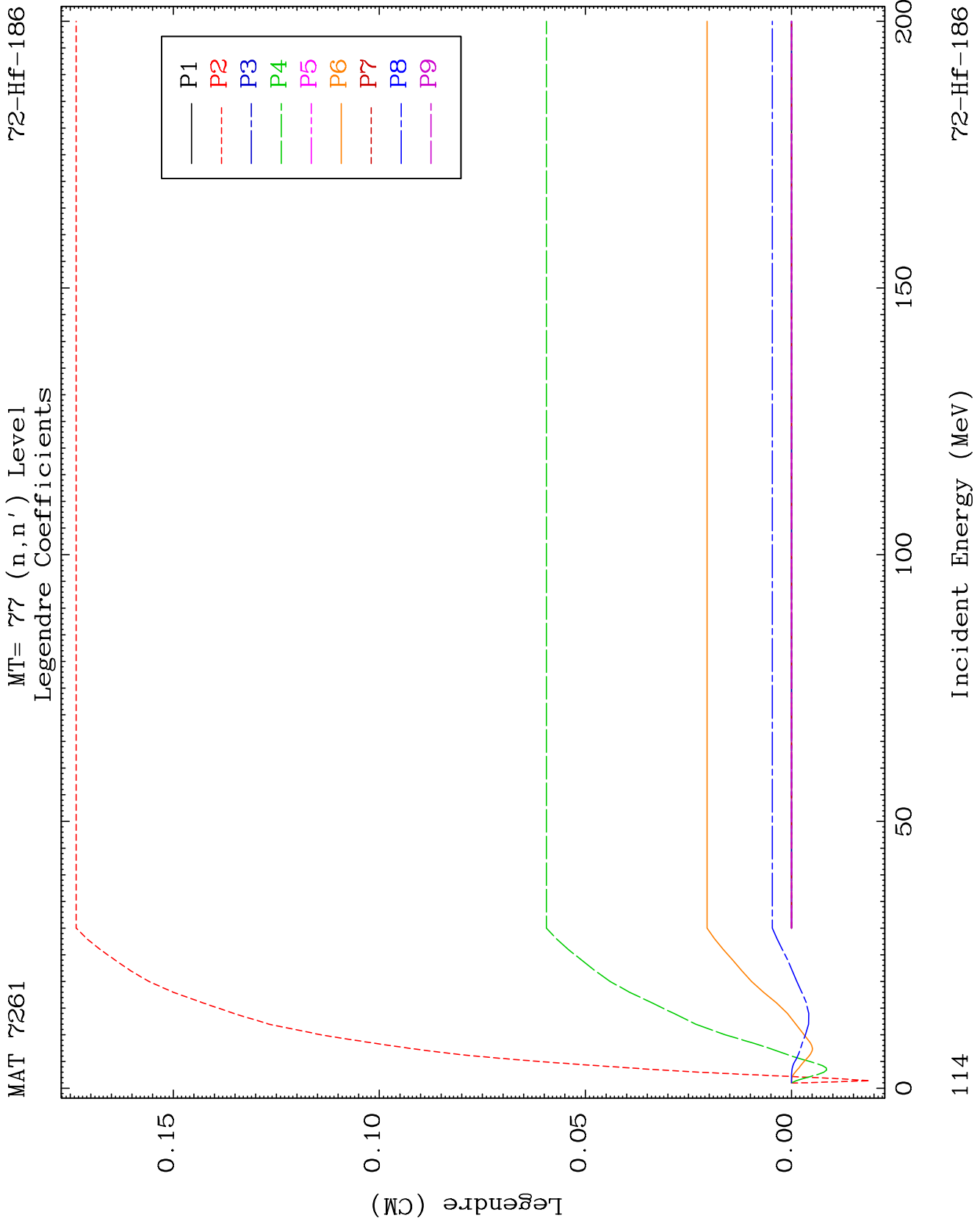
MAT 7261

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

72-Hf-186



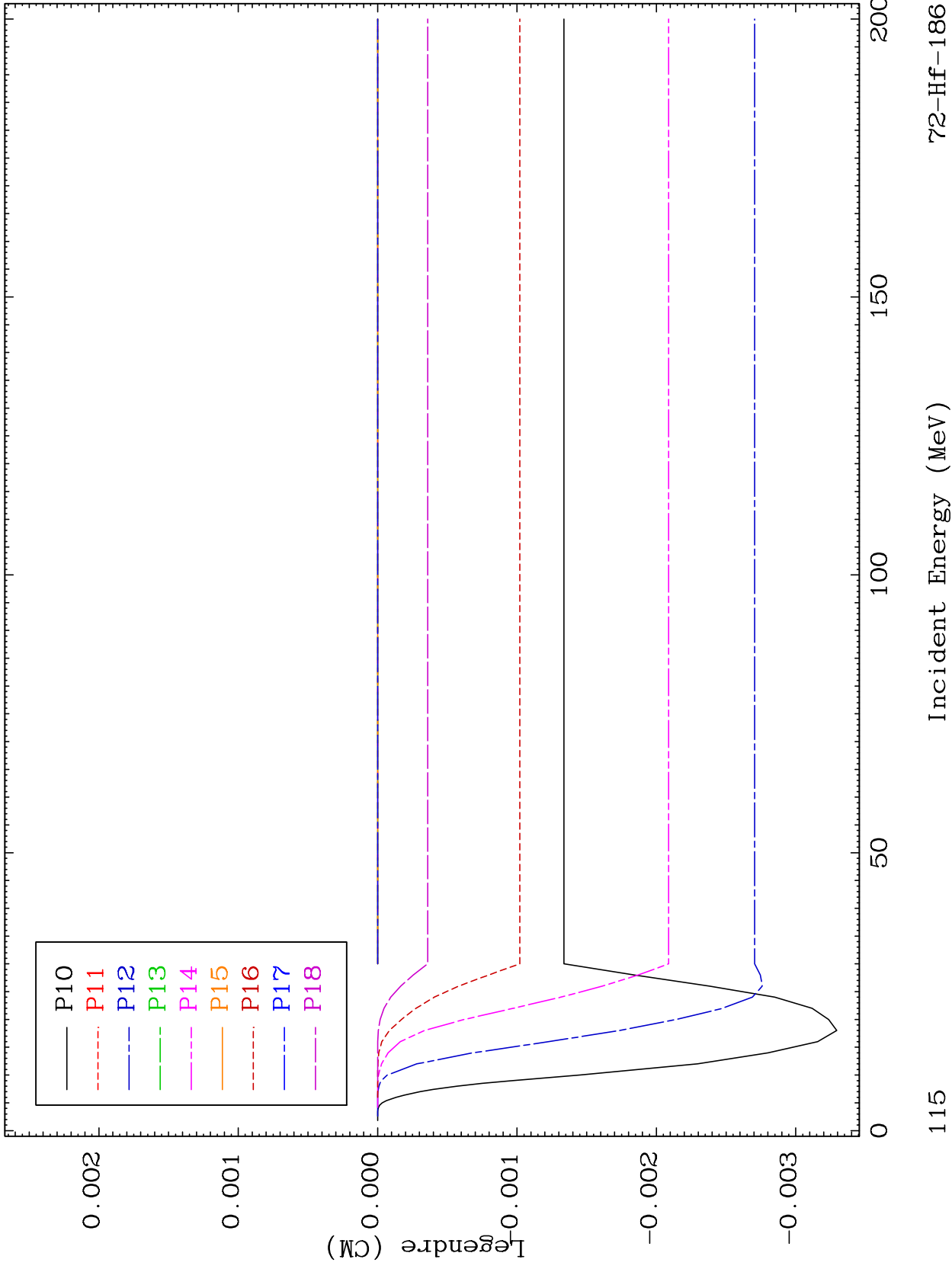
113



MAT 7261

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

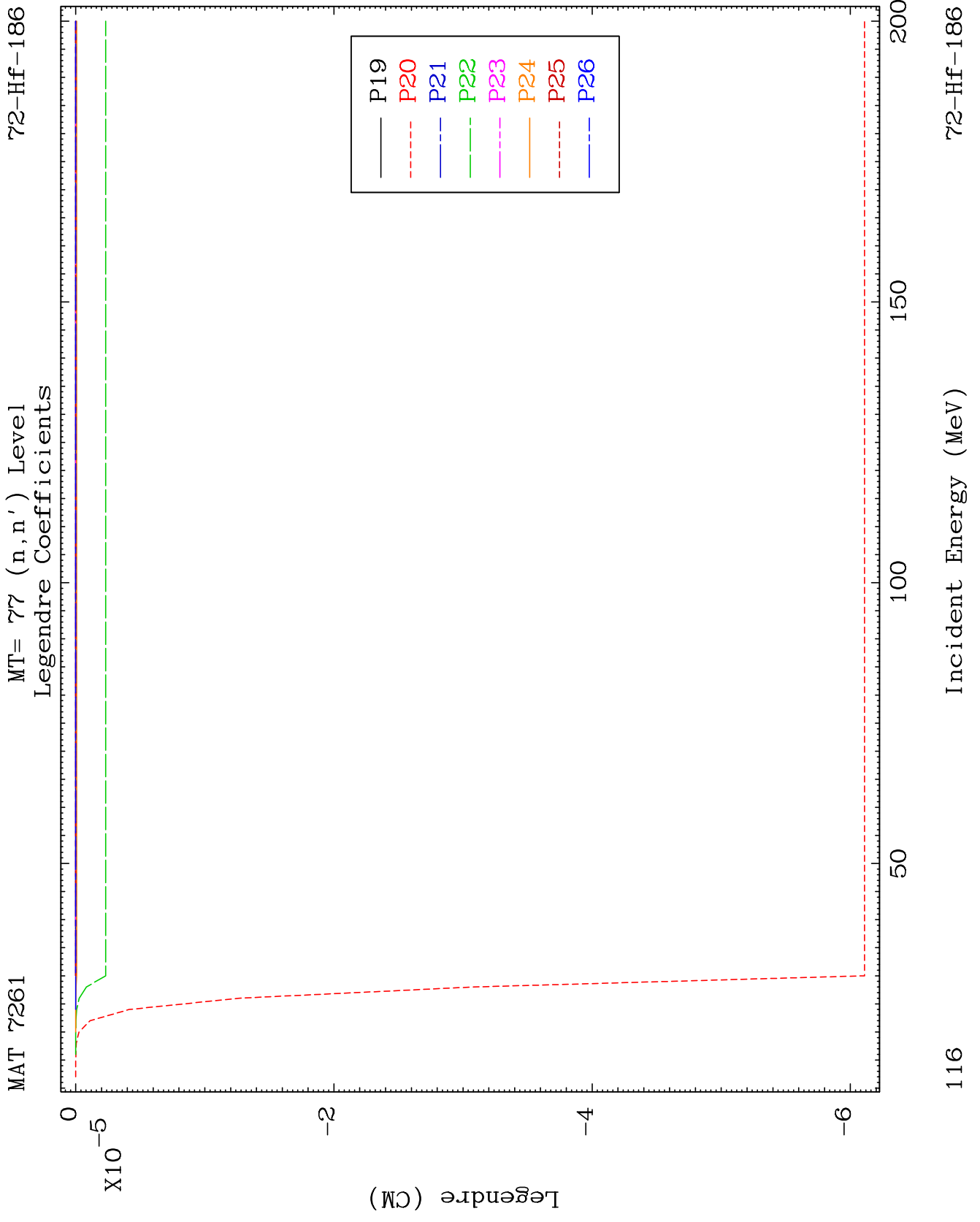
72-Hf-186



115

Incident Energy (MeV)

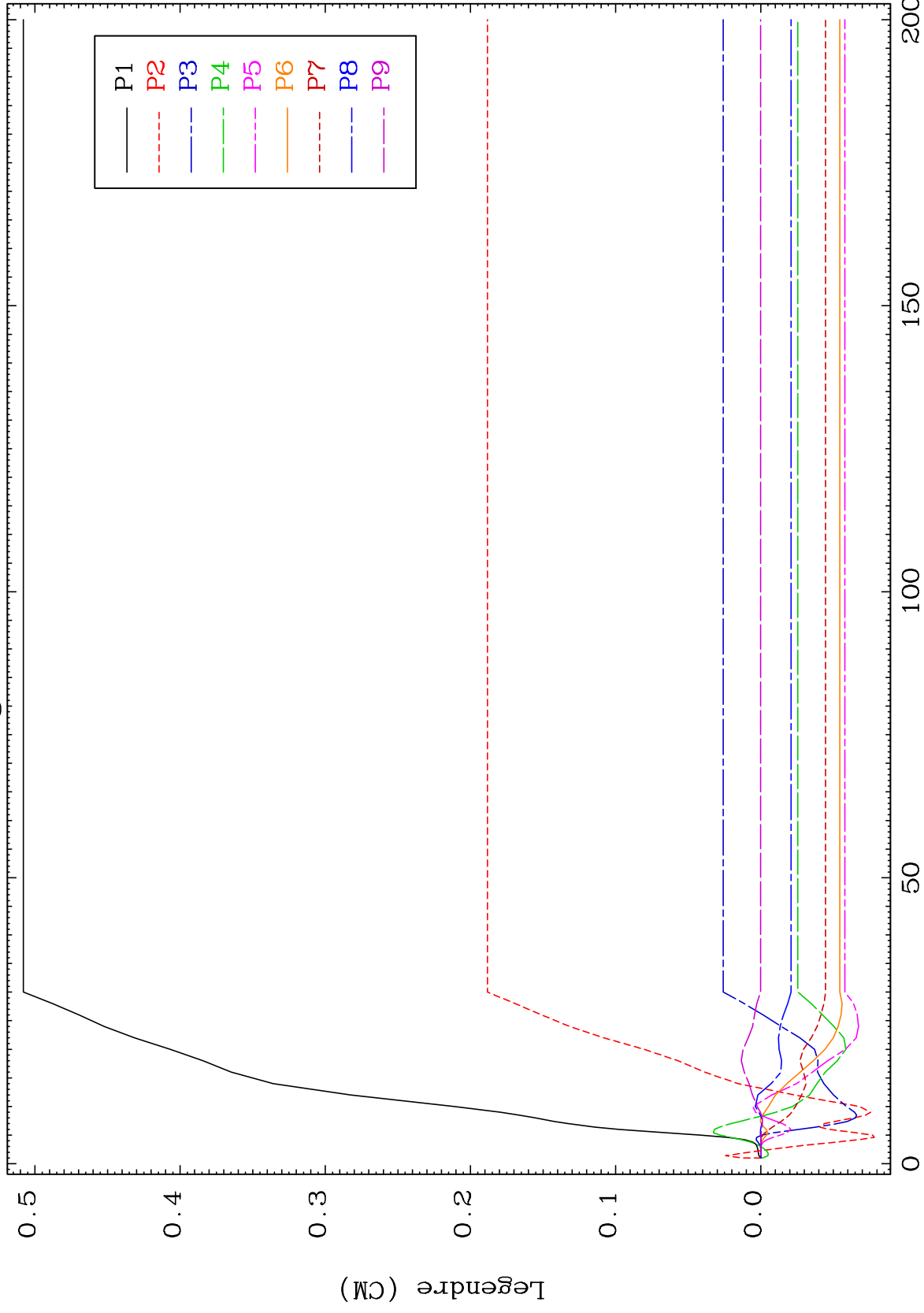
72-Hf-186



MAT 7261

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

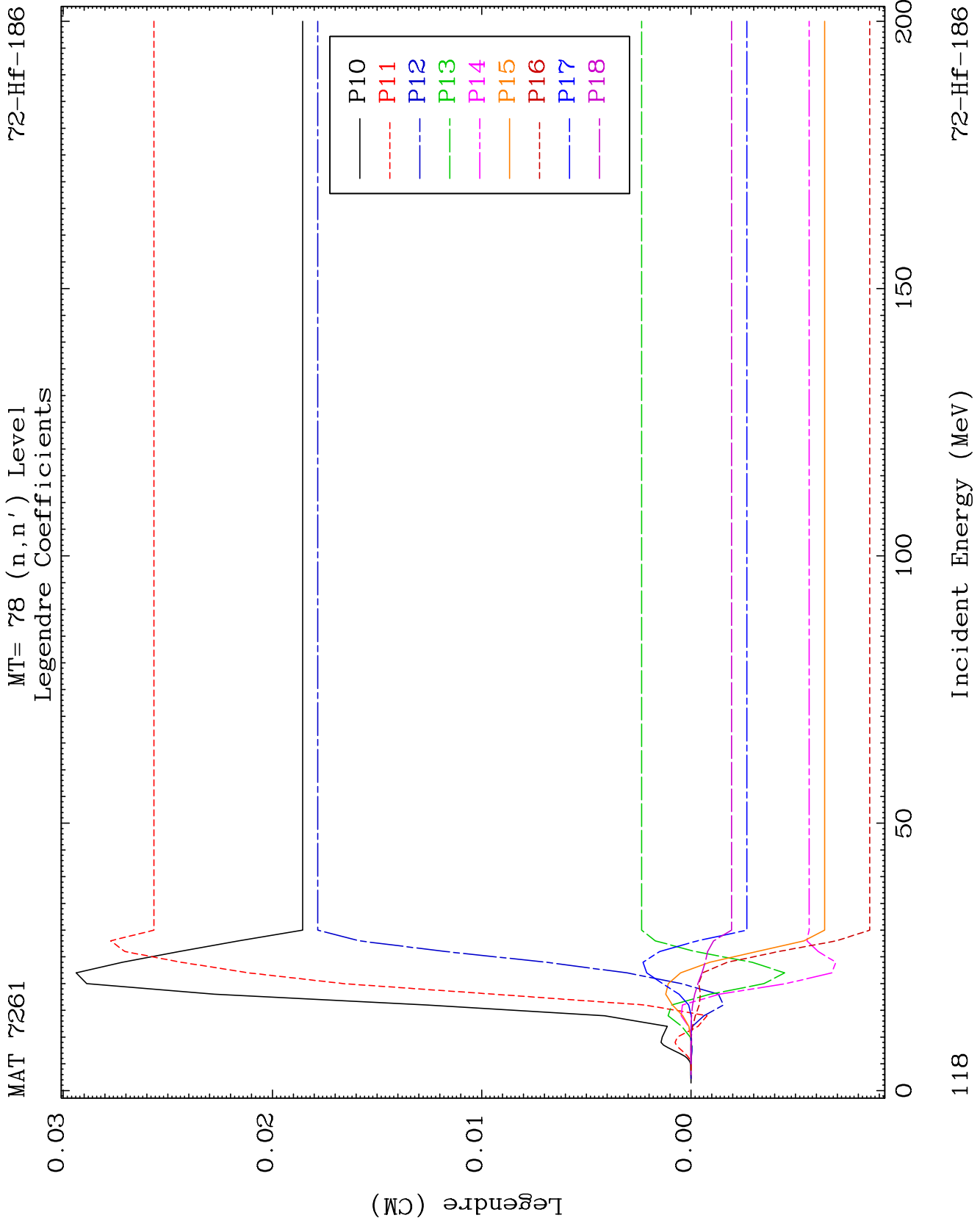
72-Hf-186

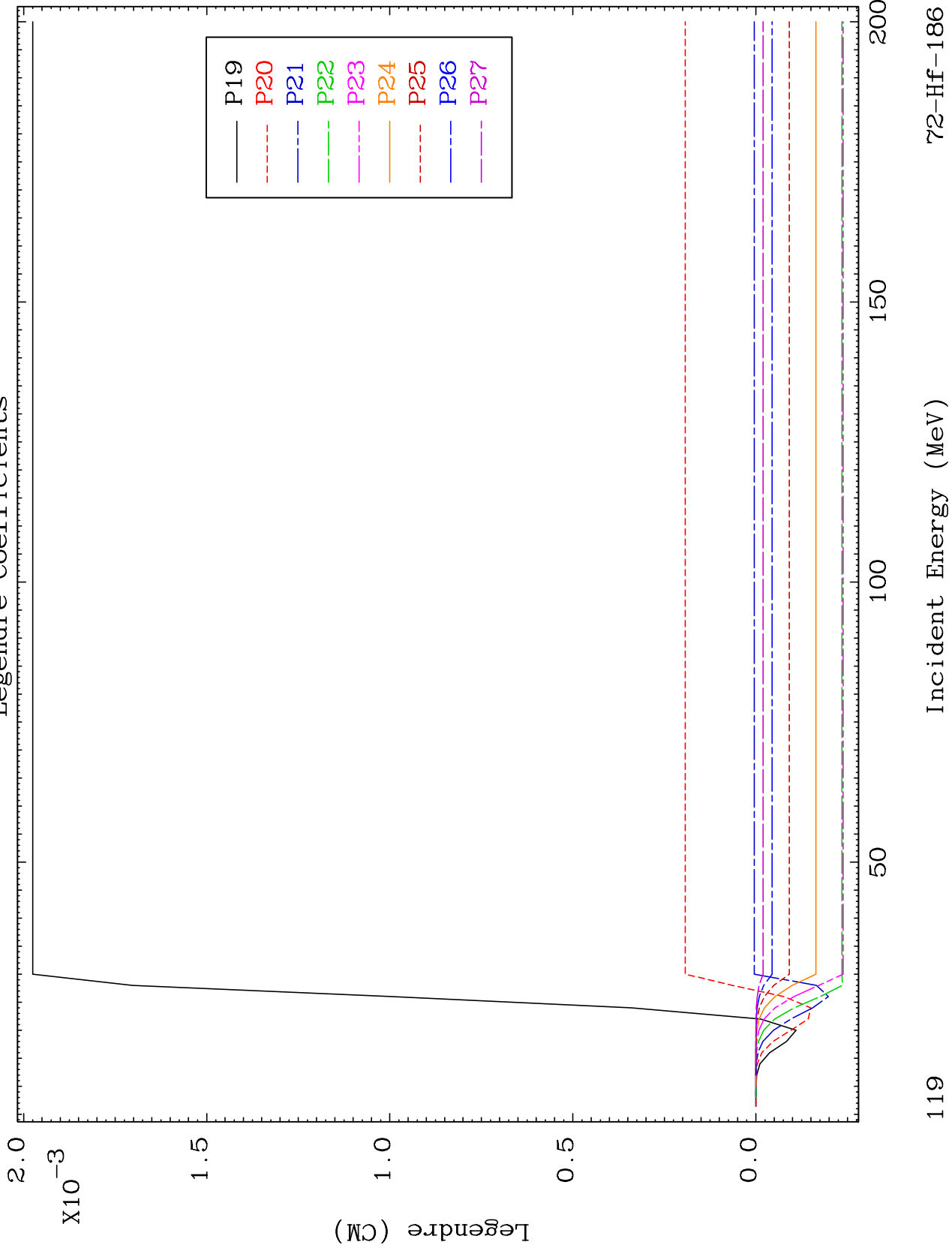


117

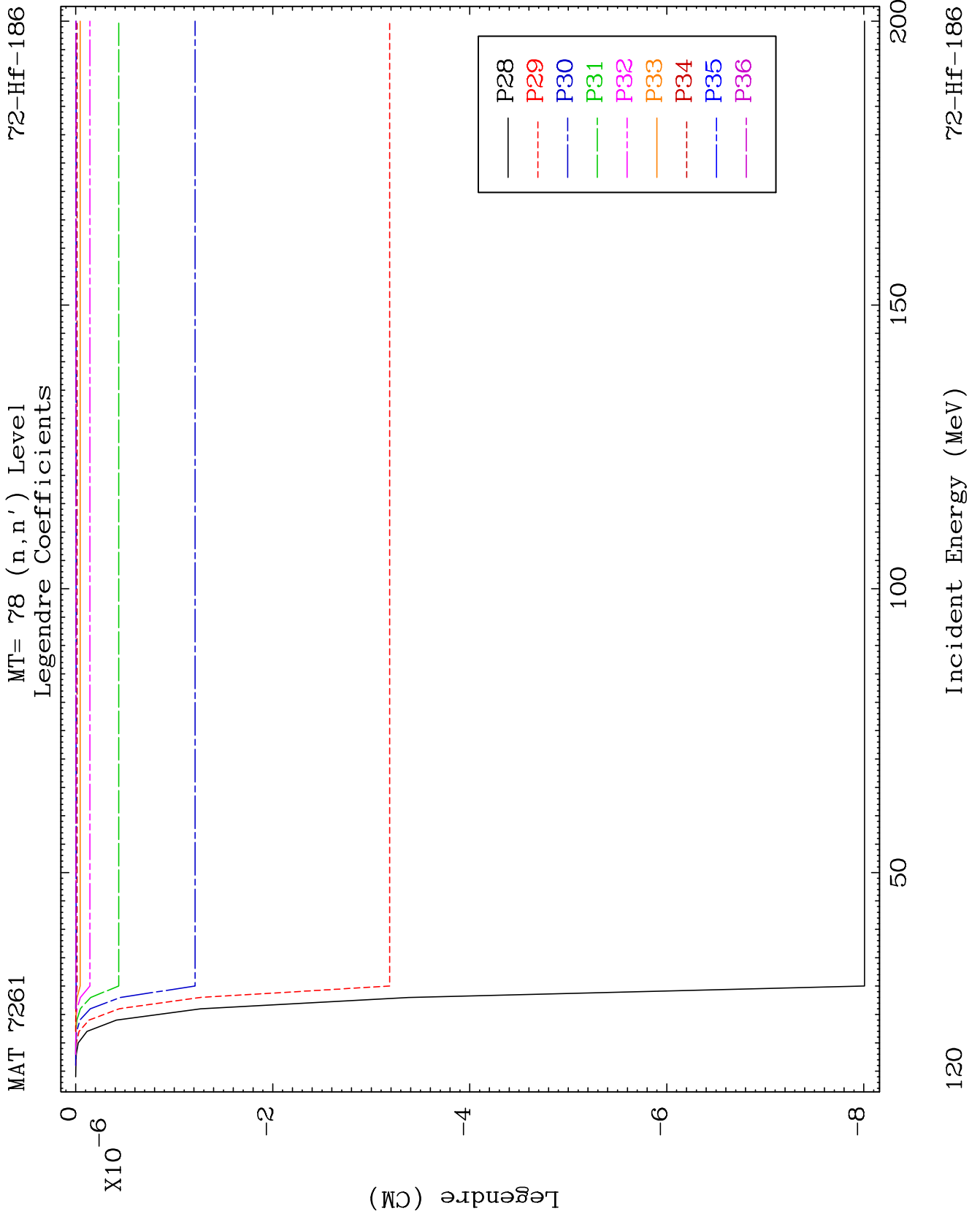
Incident Energy (MeV)

72-Hf-186





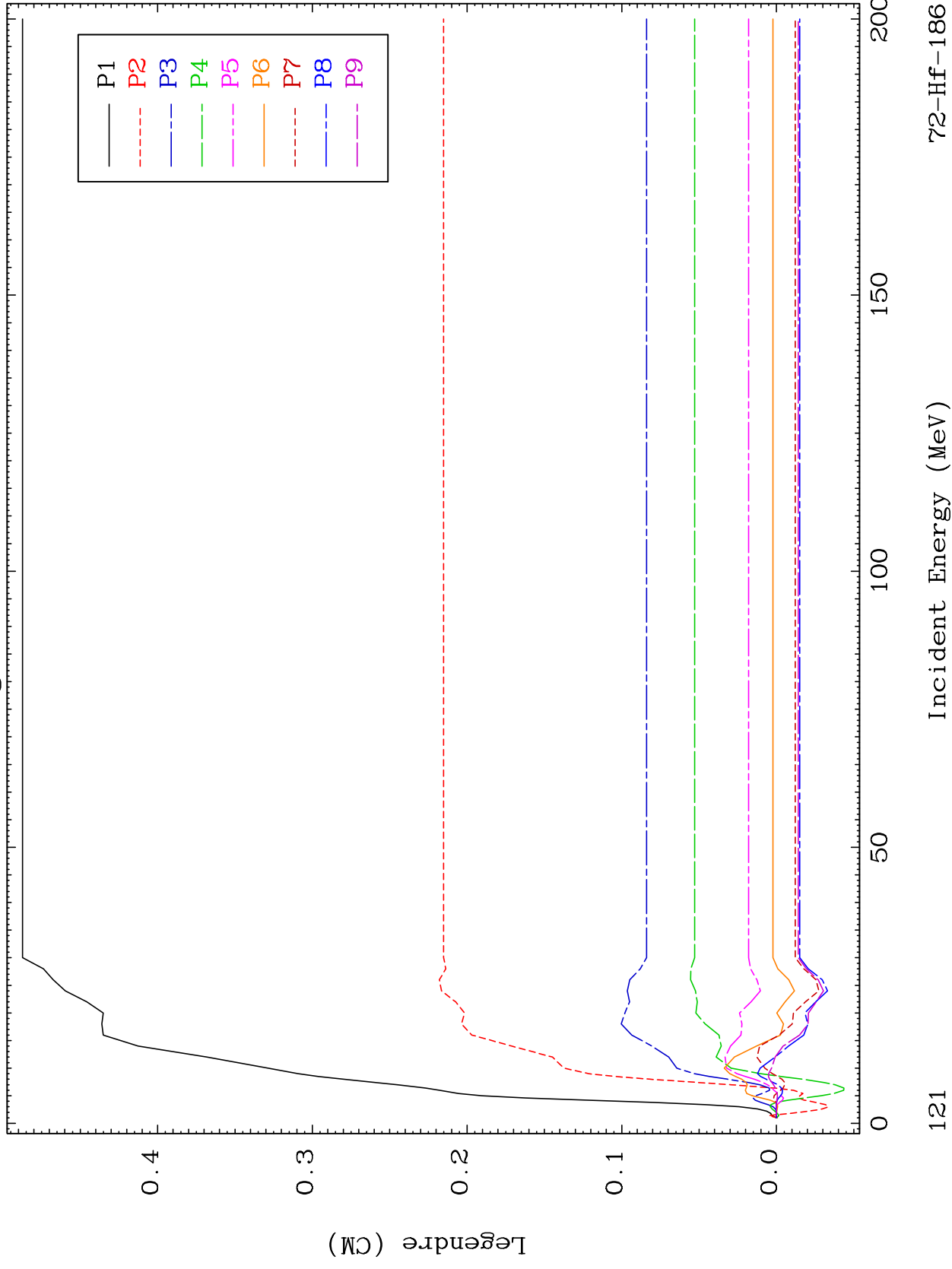




MAT 7261

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

72-Hf-186



72-Hf-186

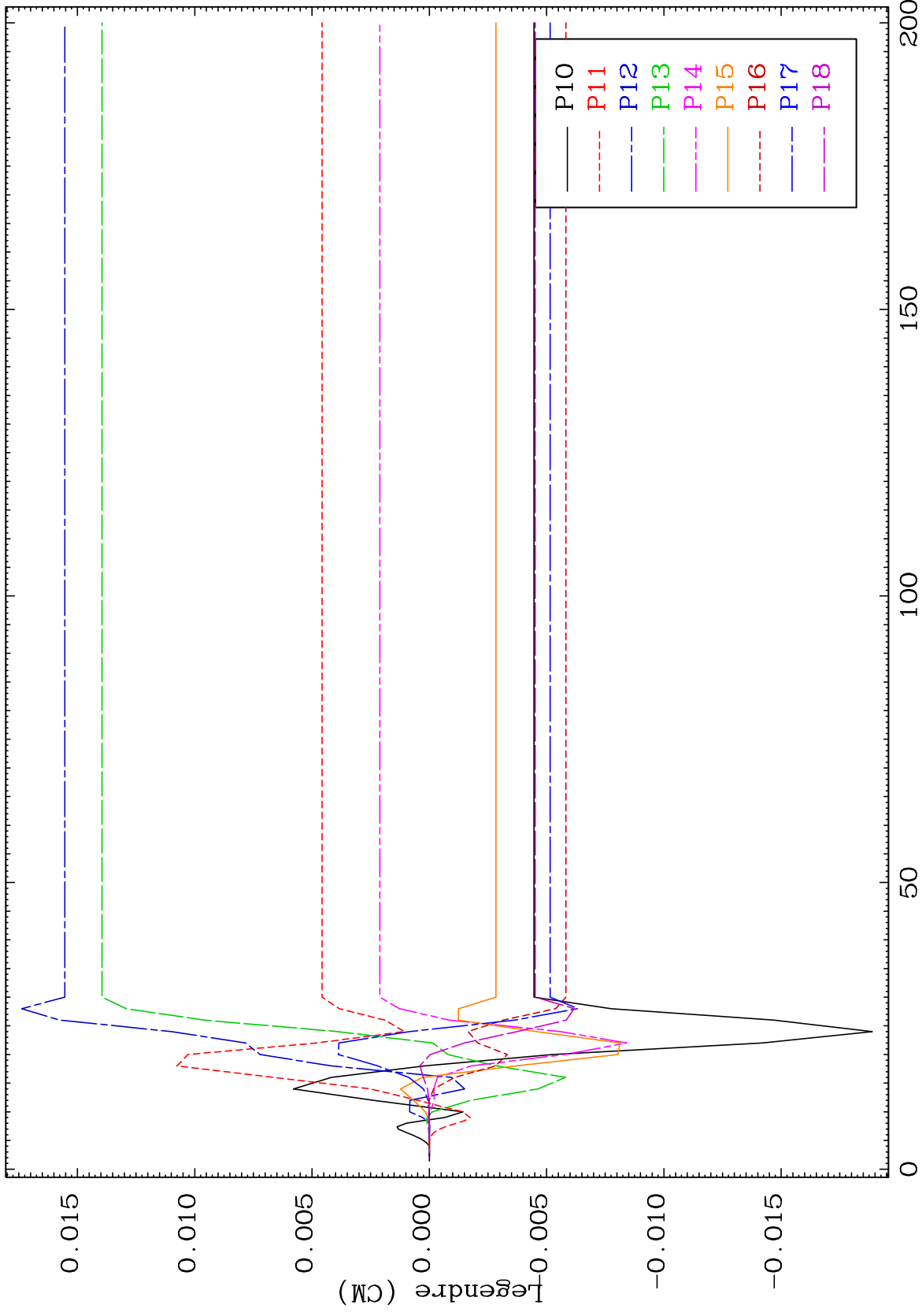
Incident Energy (MeV)

121

MAT 7261

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

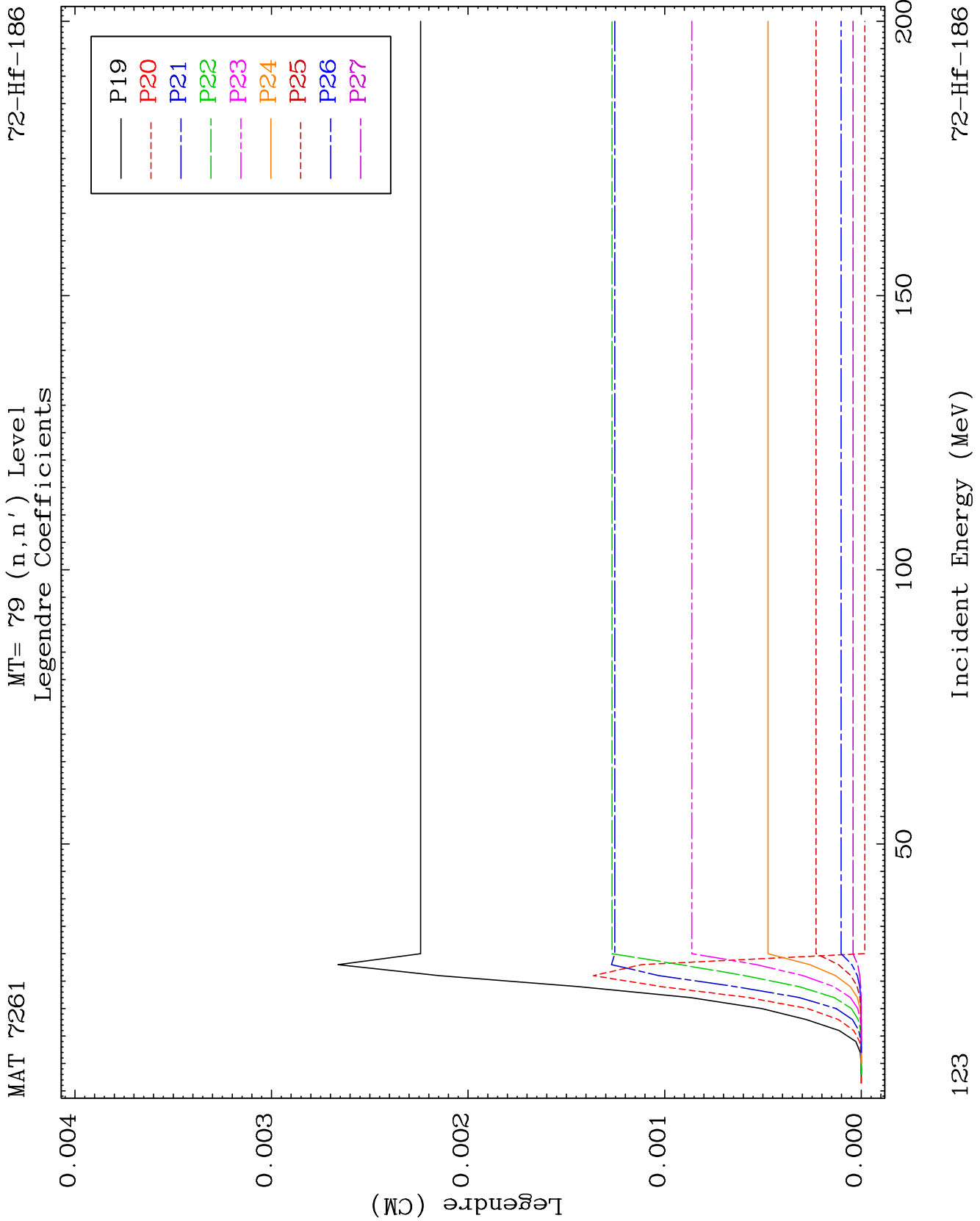
72-Hf-186



122

Incident Energy (MeV)

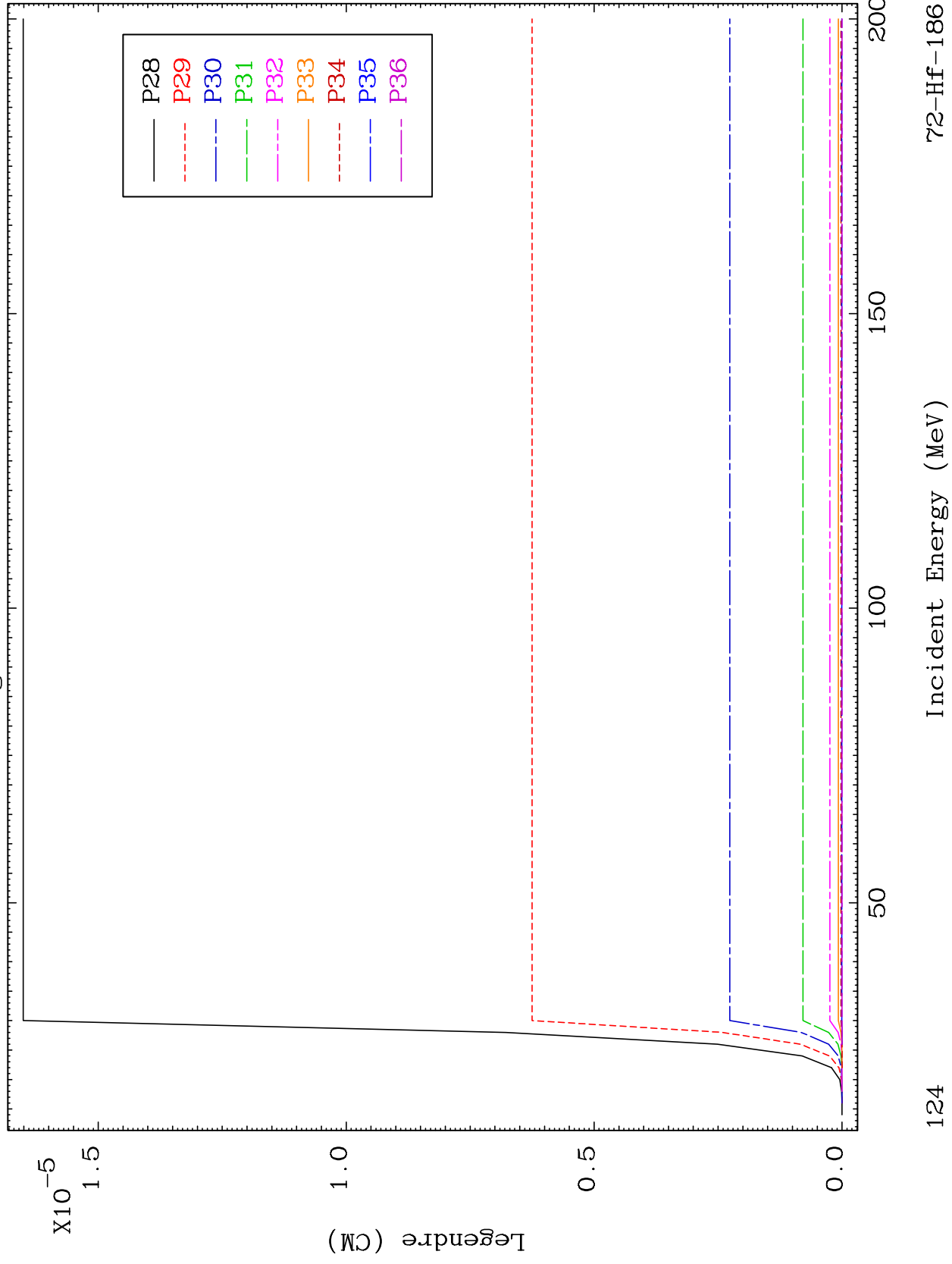
72-Hf-186



MAT 7261

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

72-Hf-186



124

Incident Energy (MeV)

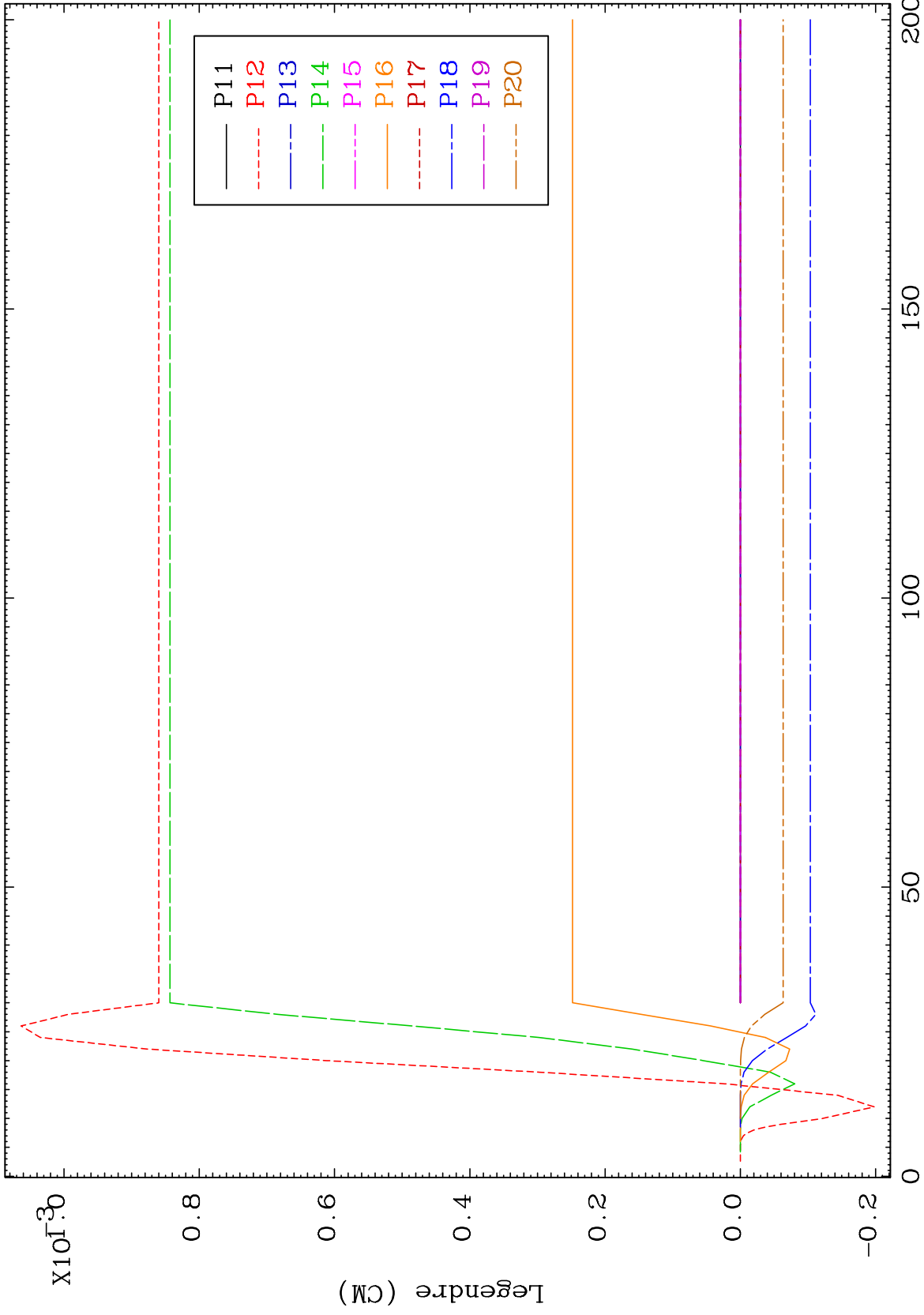
72-Hf-186



MAT 7261

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

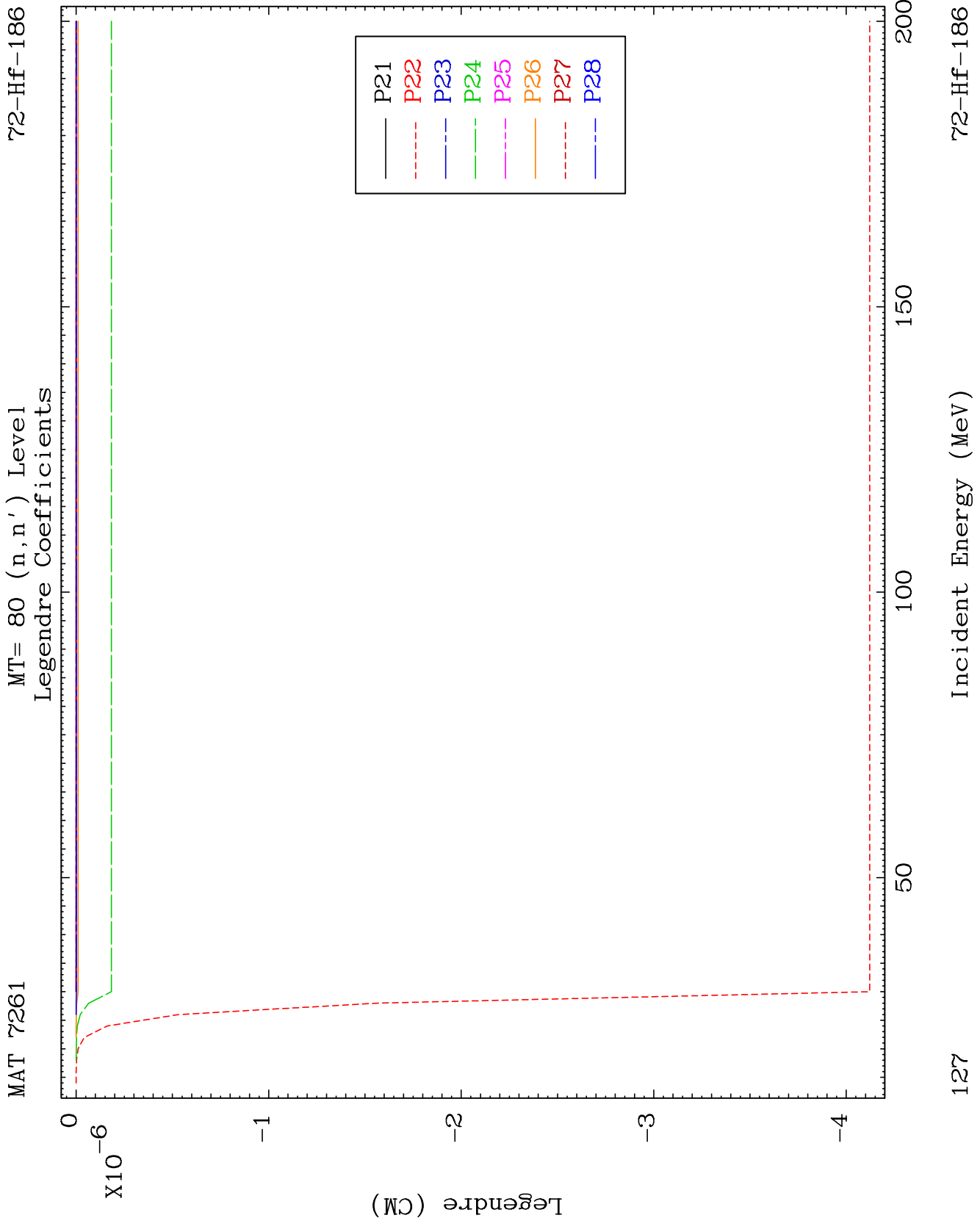
72-Hf-186



126

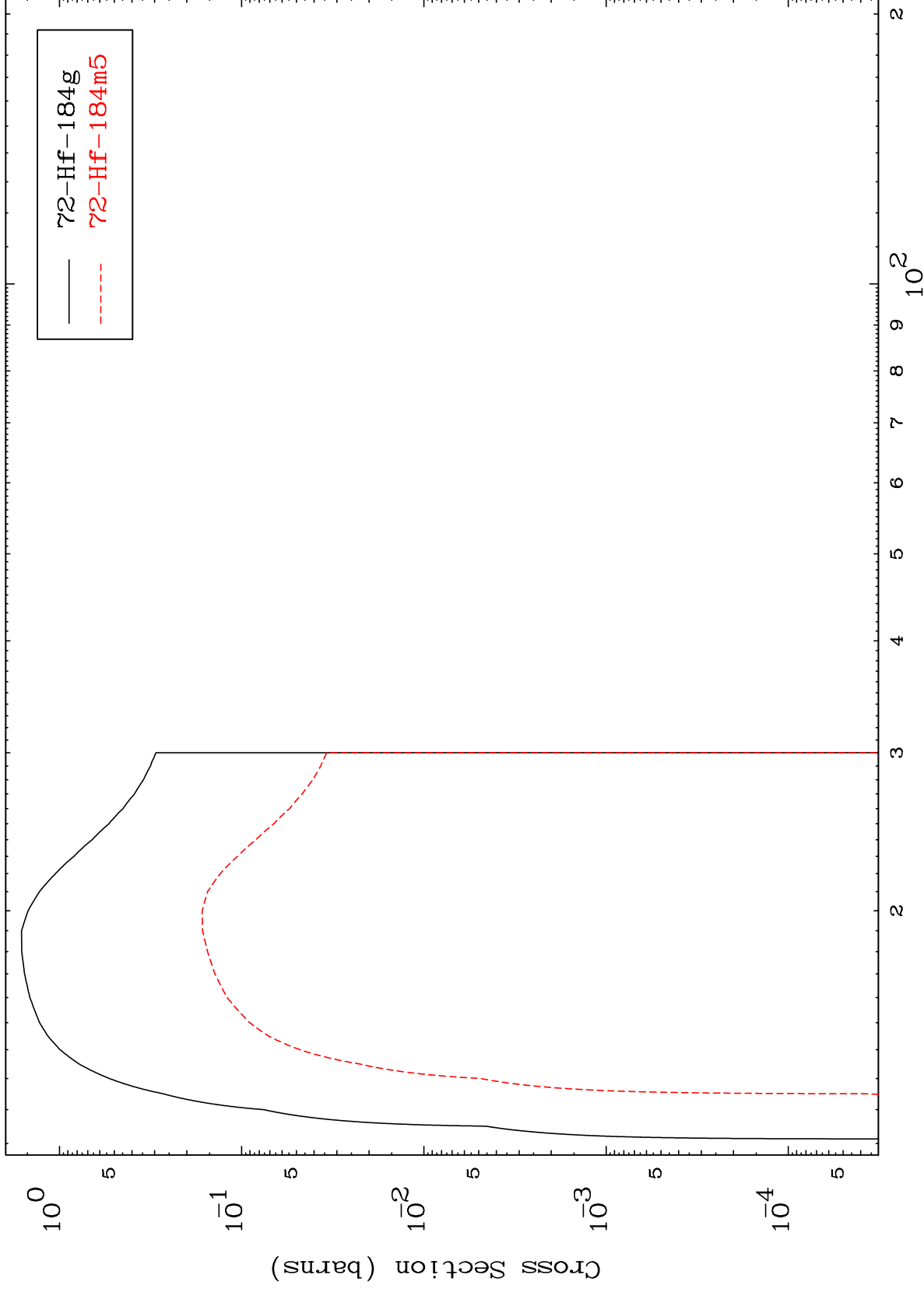
Incident Energy (MeV)

72-Hf-186





Radionuclide Production Cross Section



MAT 7261

Fission

72-Hf-186

Radionuclide Production Cross Section

