

Program EVALPLOT  
(Version 2021-1)

by

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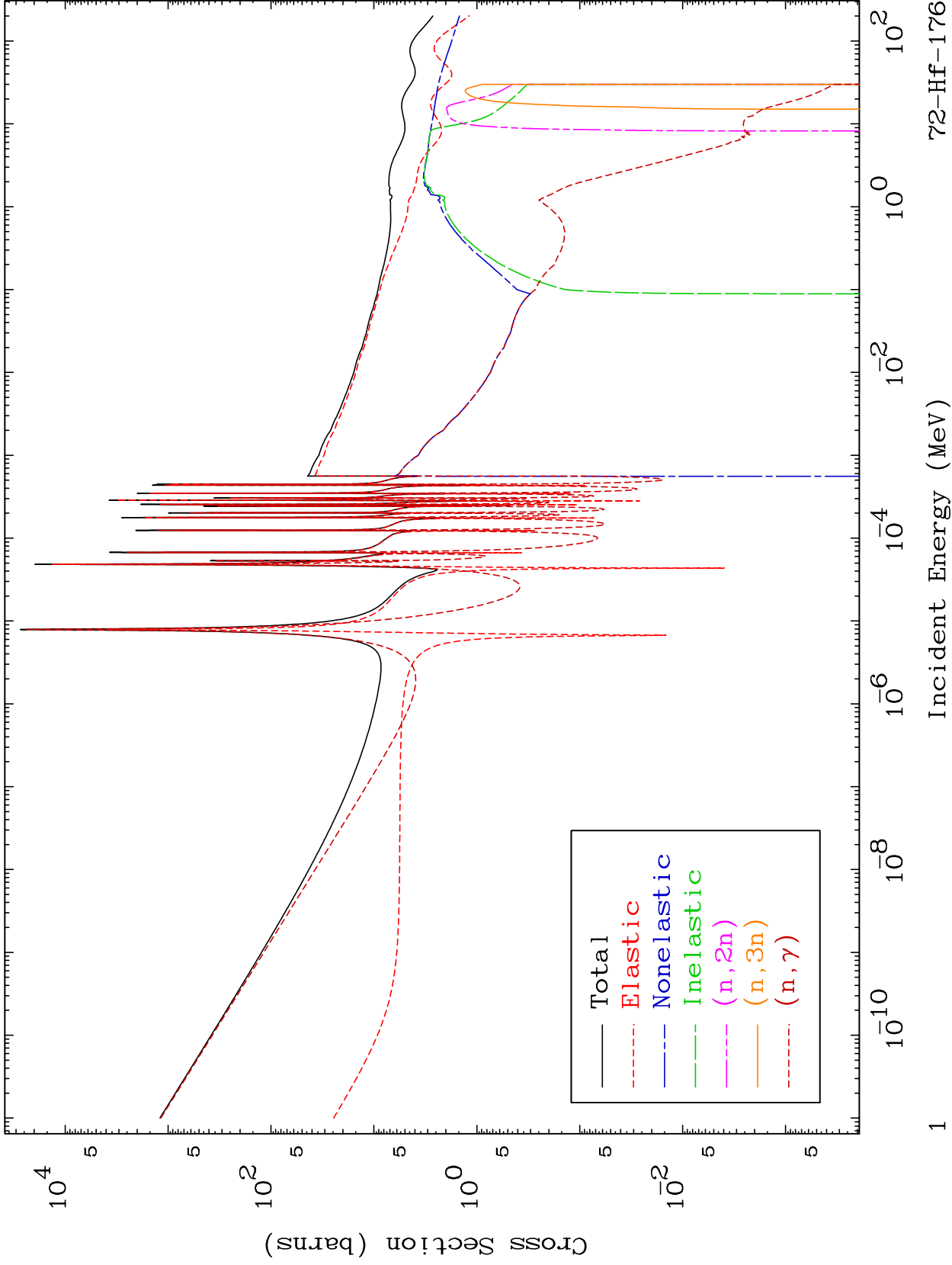
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Press Mouse Button to Start

MAT 7231

Neutron Major  
293 Kelvin Cross Sections

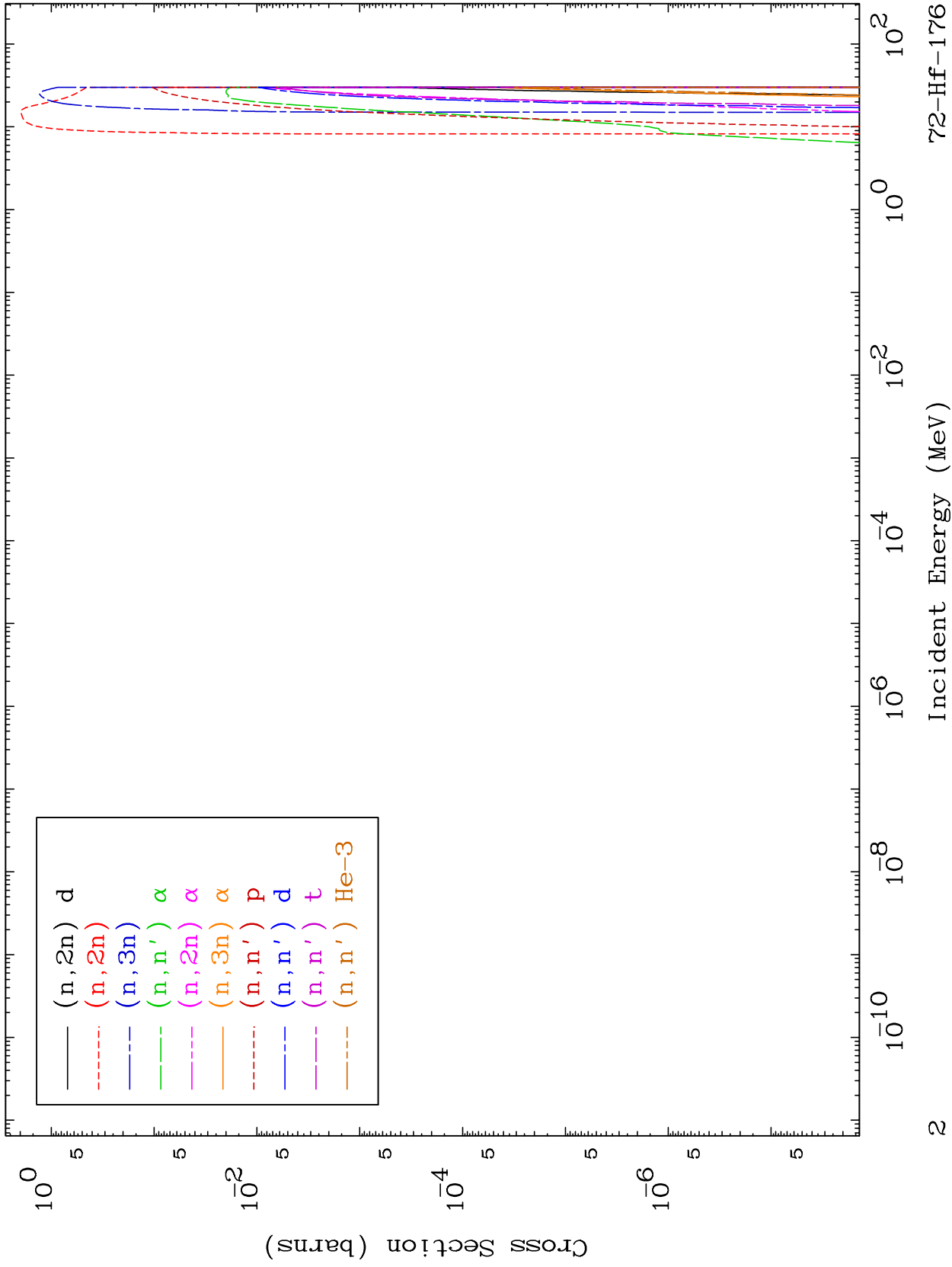
72-Hf-176



MAT 7231

Neutron Absorption  
293 Kelvin Cross Sections

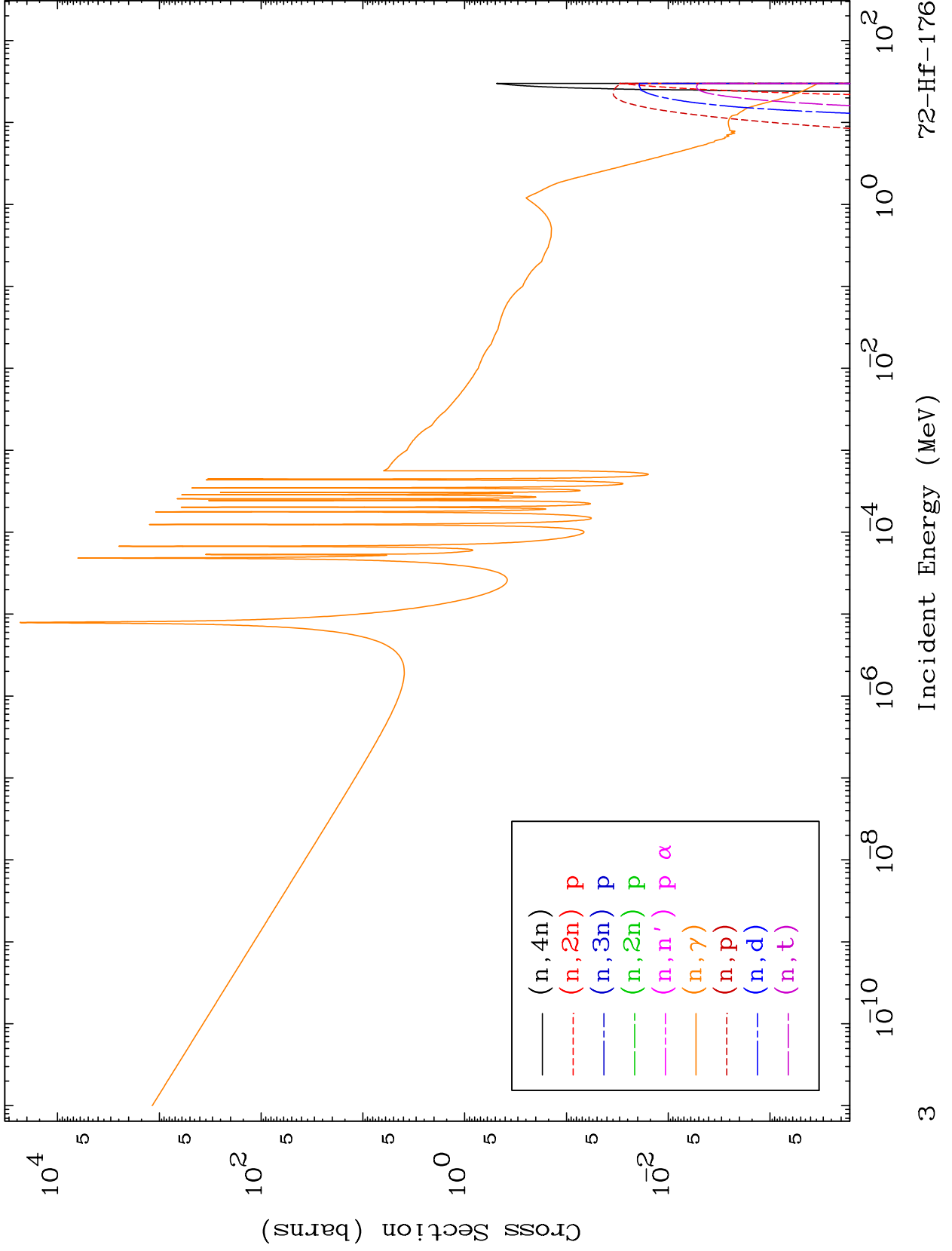
72-Hf-176



MAT 7231

Neutron Absorption  
293 Kelvin Cross Sections

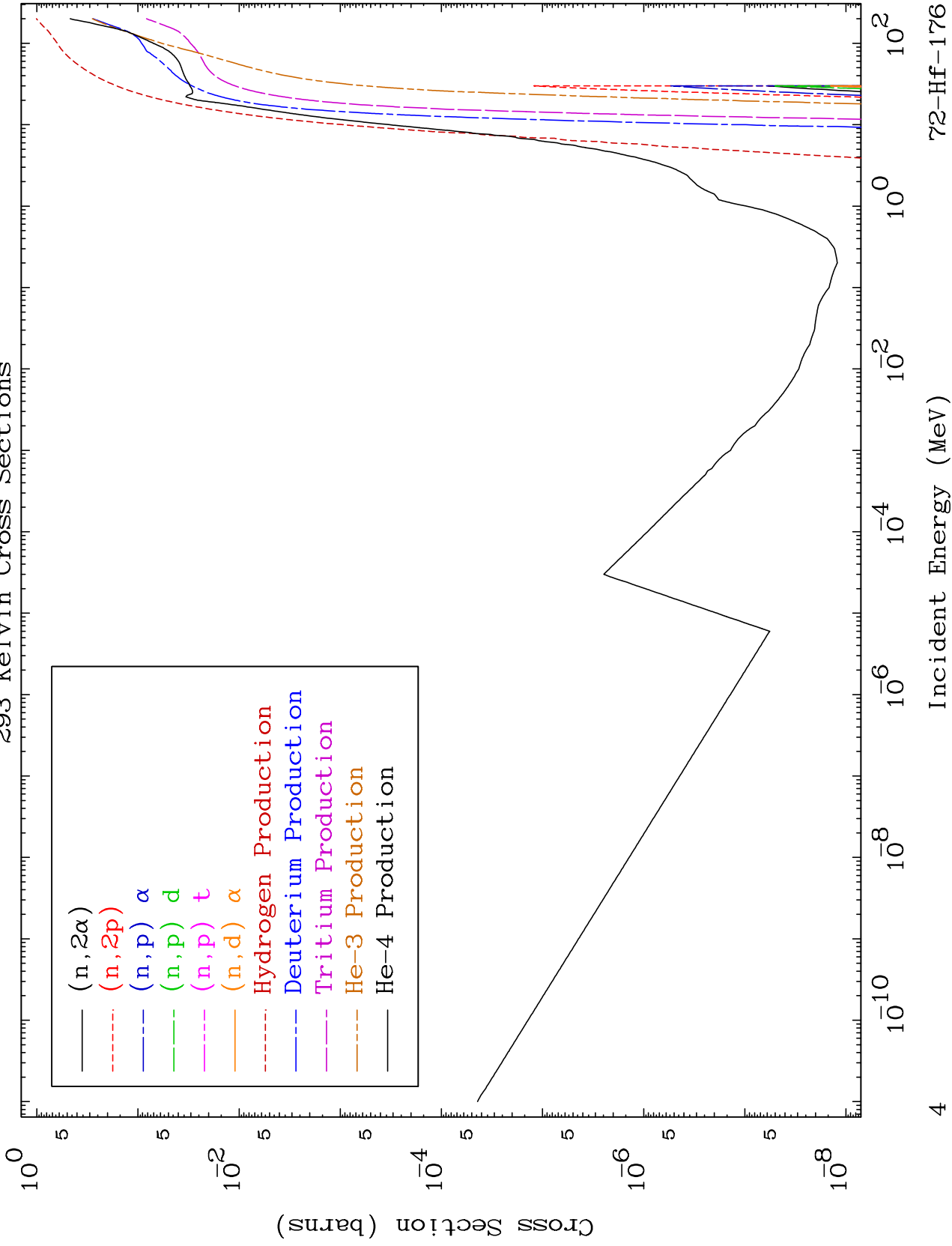
72-Hf-176



MAT 7231

Neutron Absorption  
293 Kelvin Cross Sections

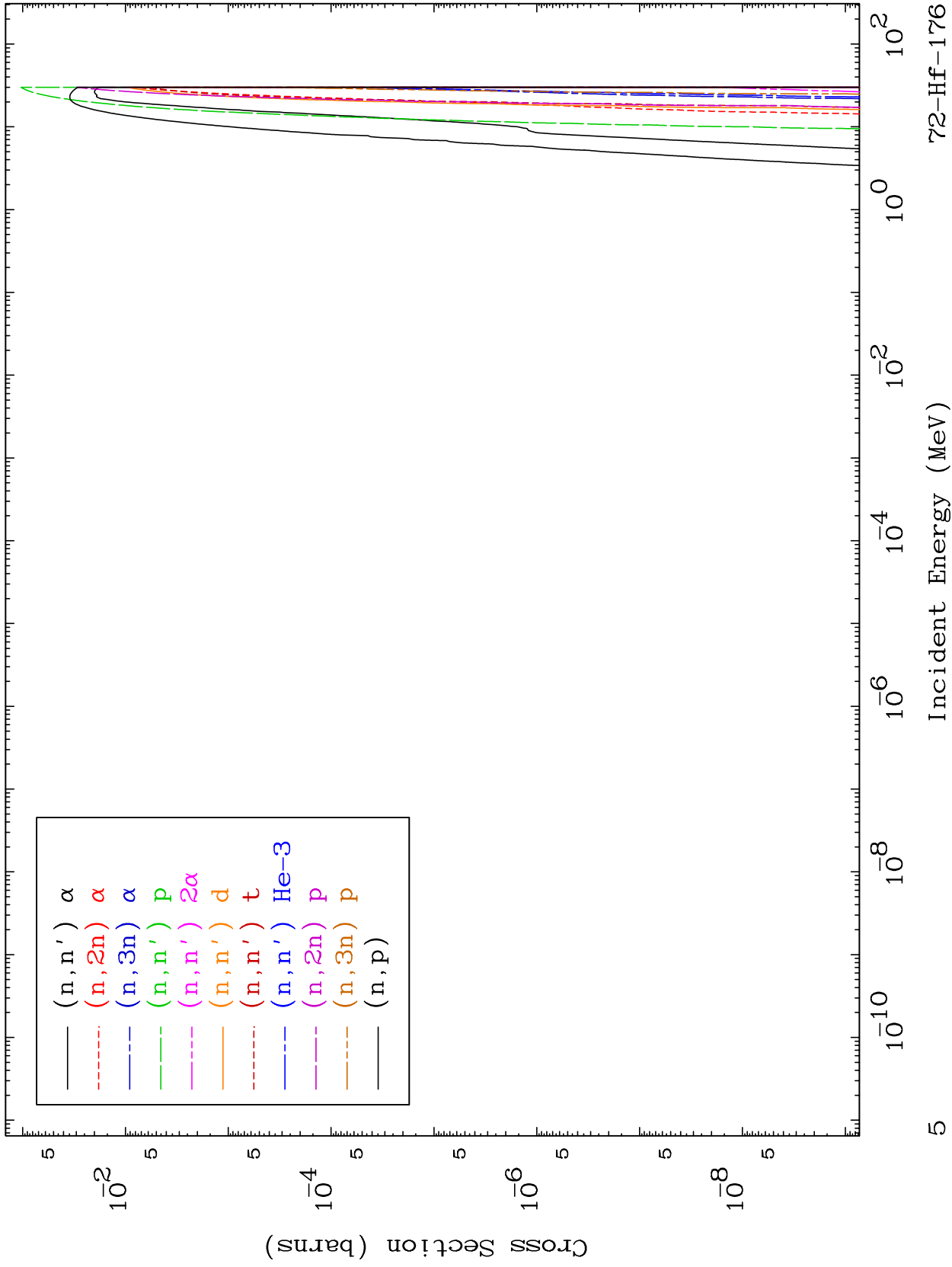
72-Hf-176



MAT 7231

Charged Particle  
293 Kelvin Cross Sections

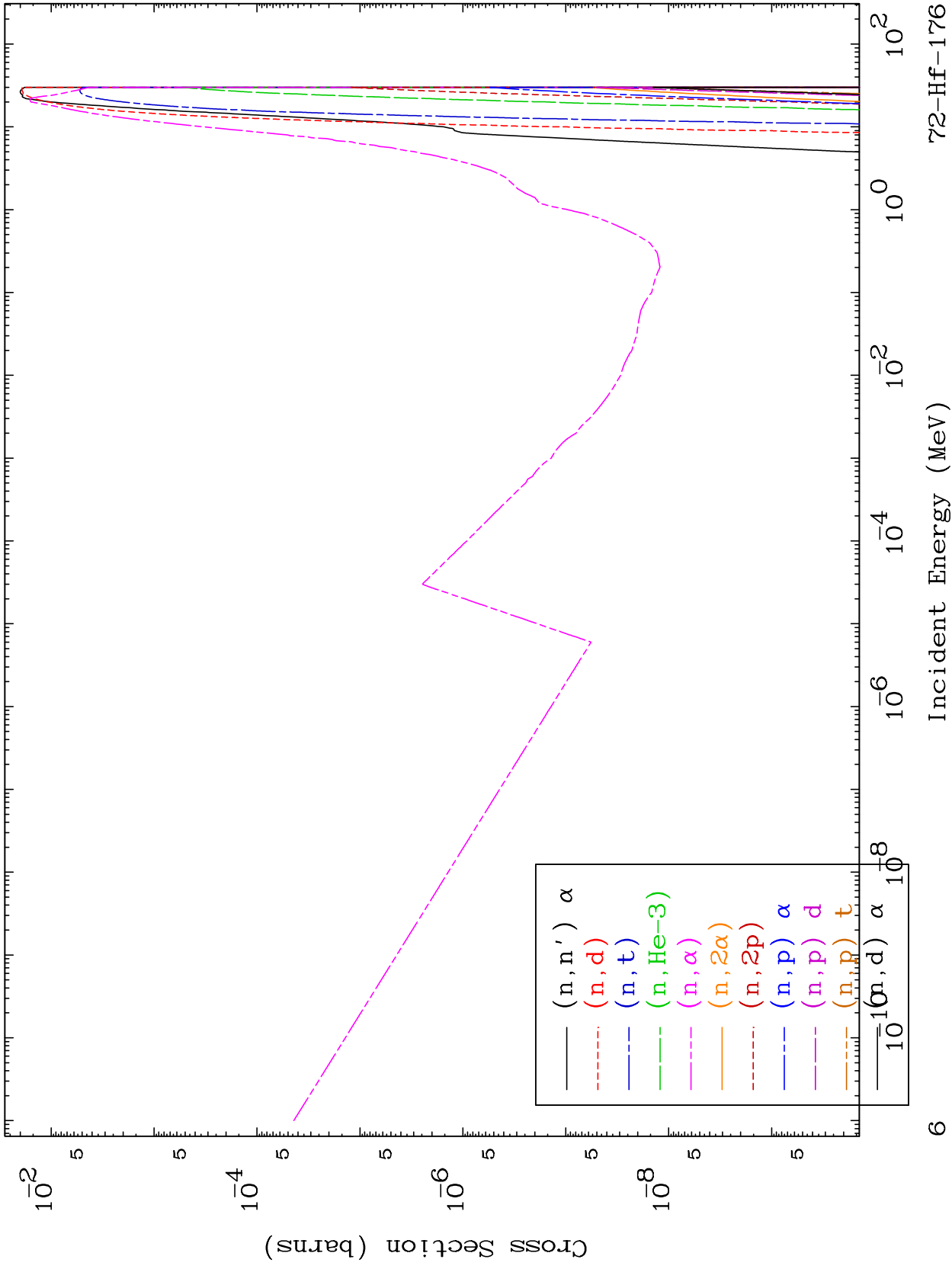
72-Hf-176



MAT 7231

Charged Particle  
293 Kelvin Cross Sections

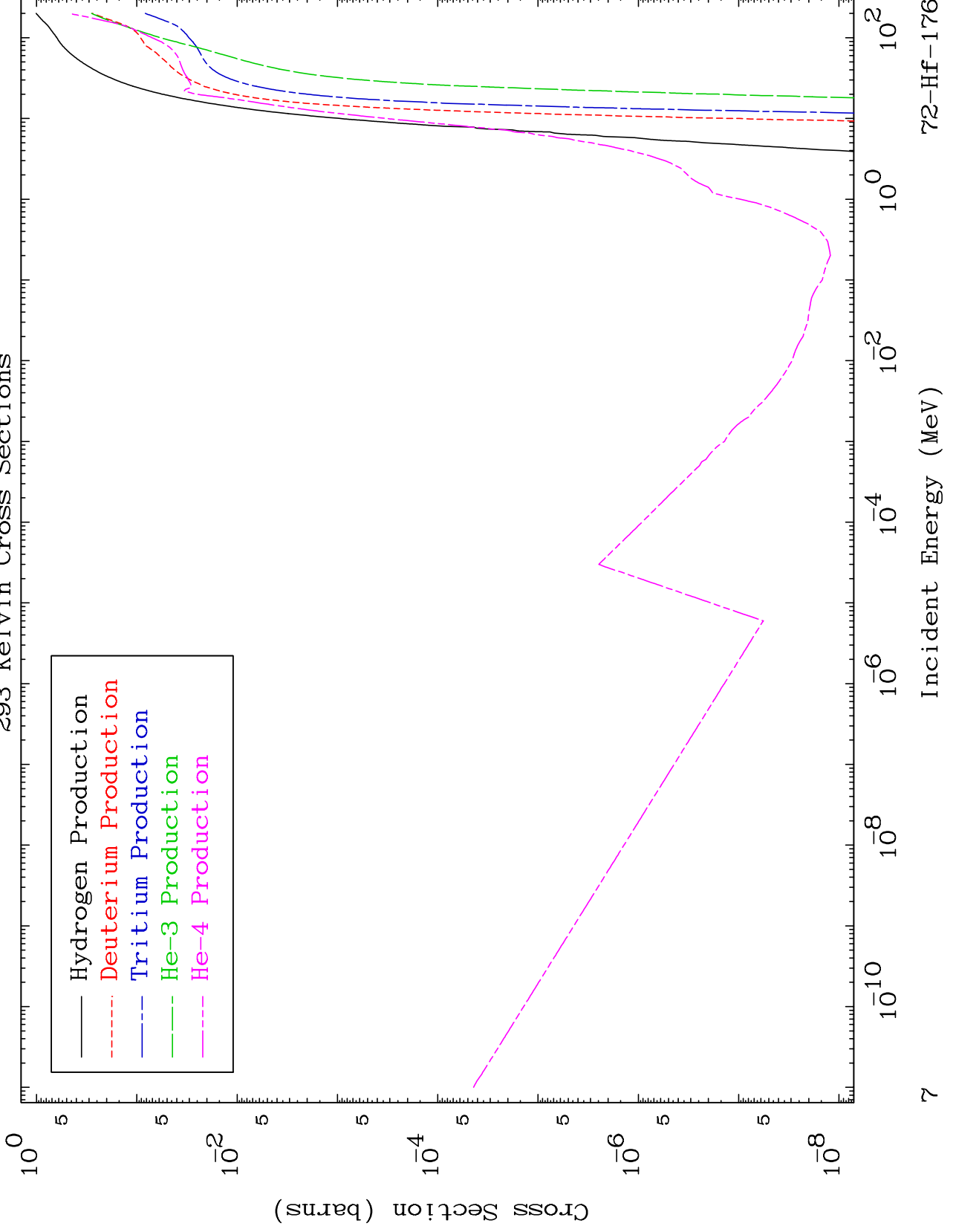
72-Hf-176



MAT 7231

Particle Production  
293 Kelvin Cross Sections

72-Hf-176



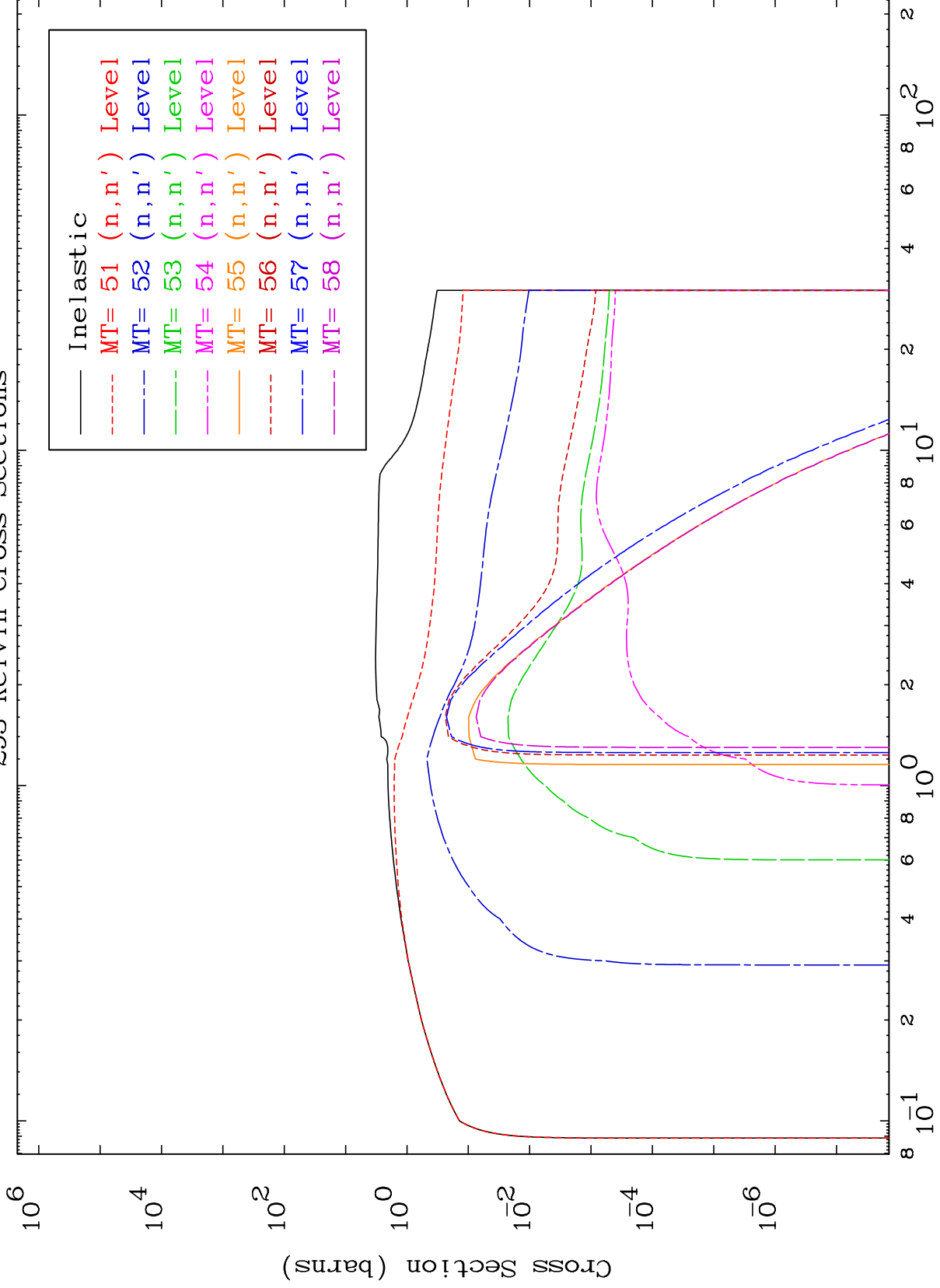


MAT 7231

(n,n') Levels

72-Hf-176

293 Kelvin Cross Sections



Incident Energy (MeV)

8

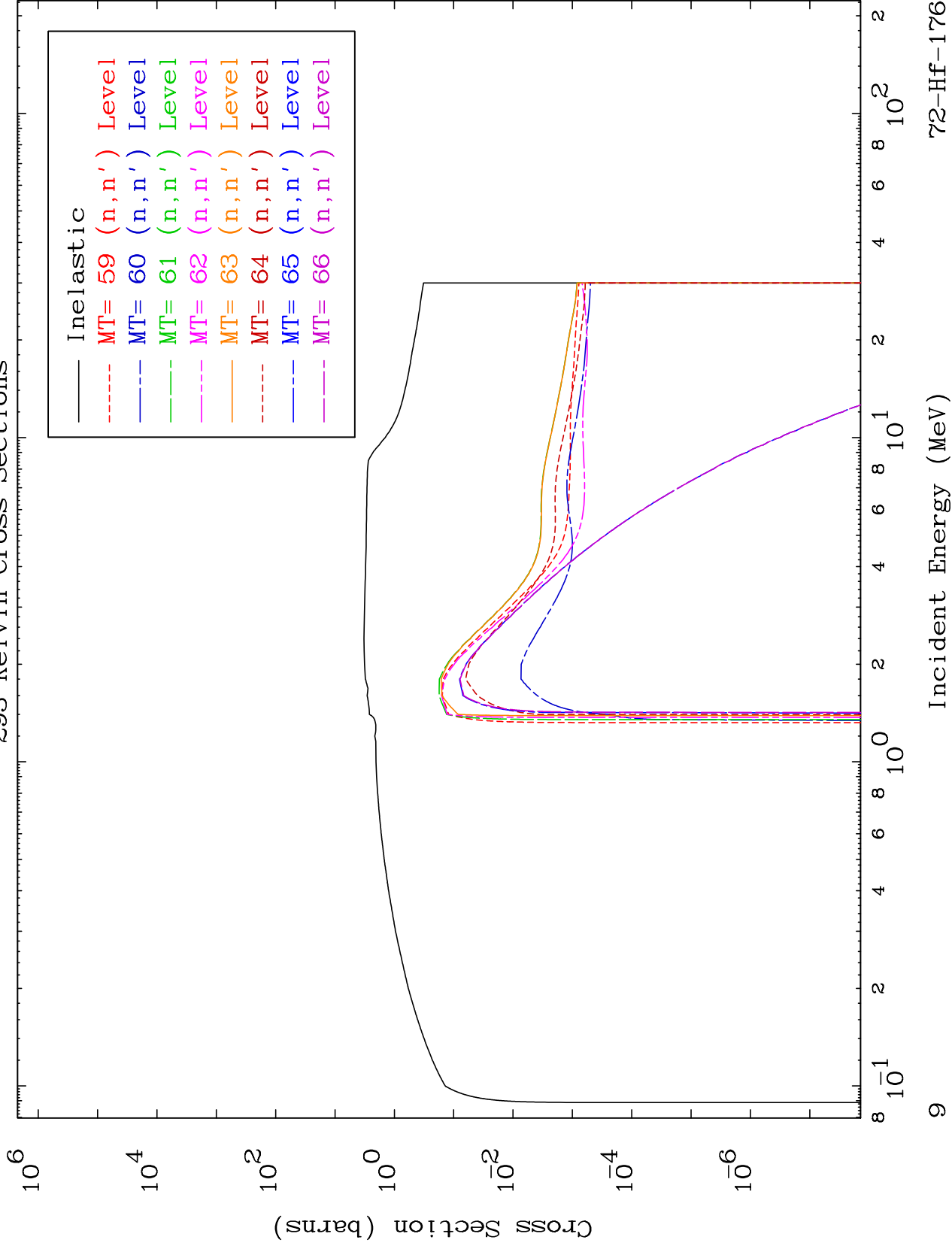
72-Hf-176

MAT 7231

(n,n') Levels

293 Kelvin Cross Sections

72-Hf-176



72-Hf-176

Incident Energy (MeV)

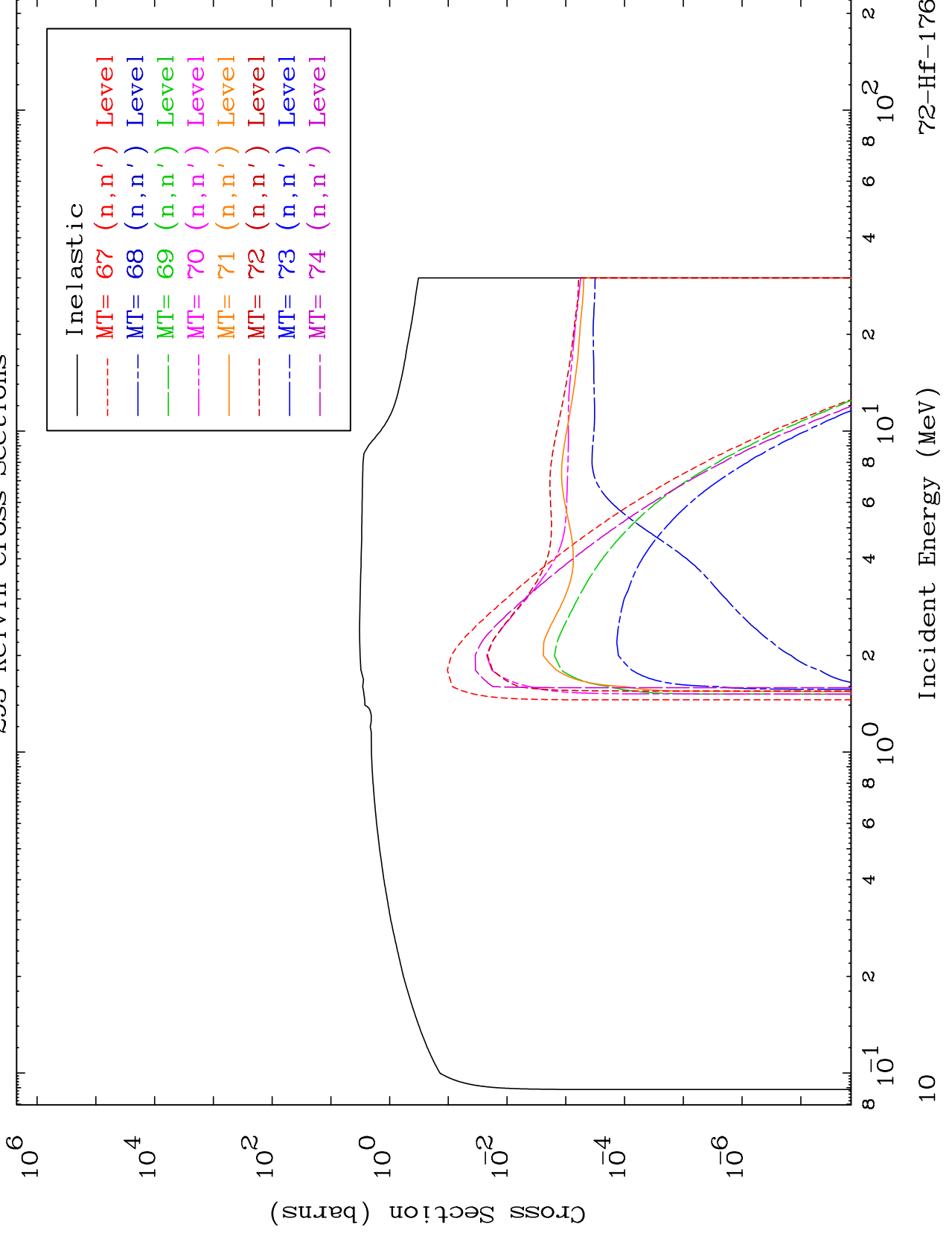
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MAT 7231

(n,n') Levels

293 Kelvin Cross Sections

72-Hf-176



72-Hf-176

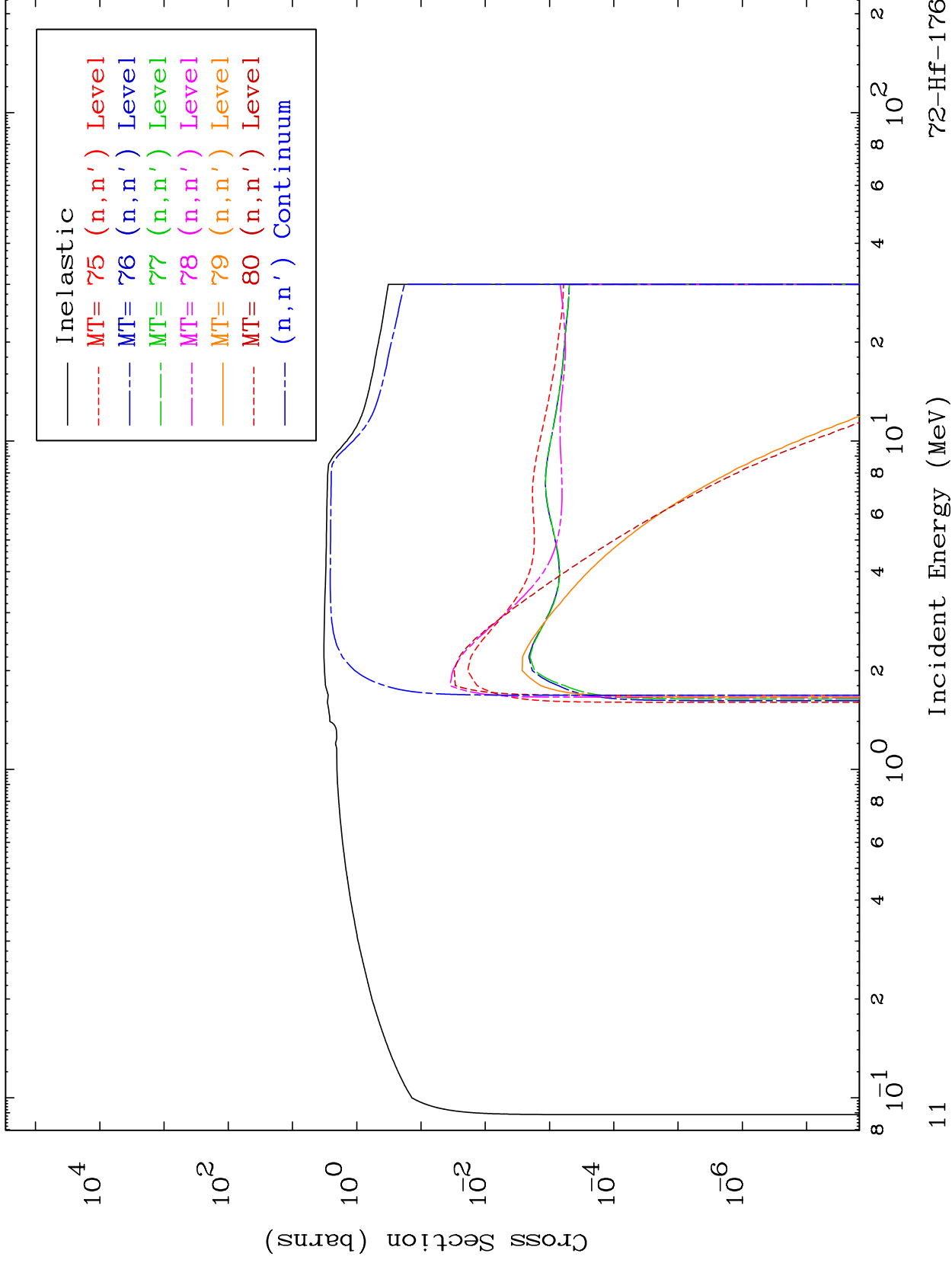
Incident Energy (MeV)

MAT 7231

(n,n') Levels

72-Hf-176

293 Kelvin Cross Sections



11

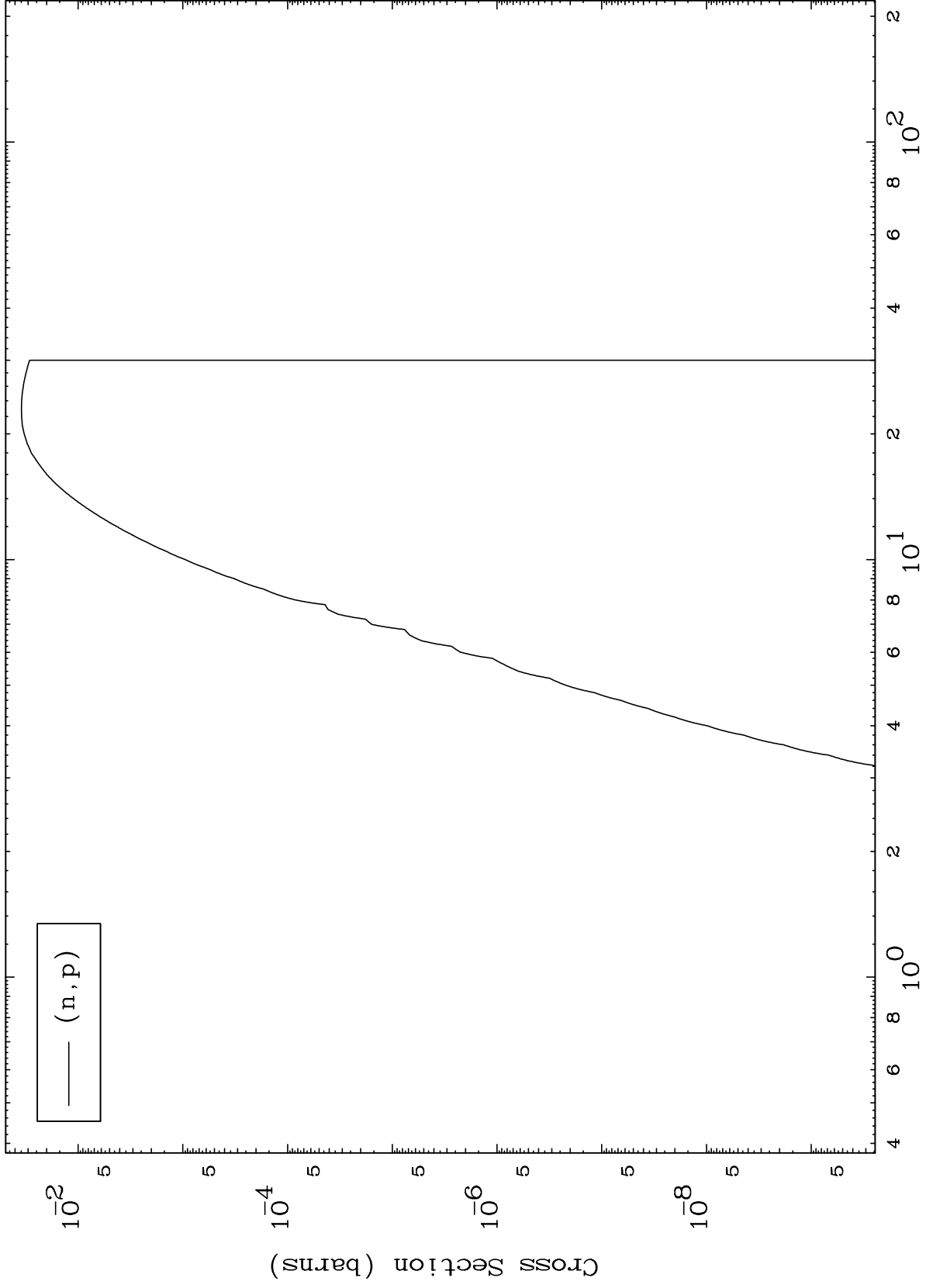
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,p) Levels  
293 Kelvin Cross Sections

72-Hf-176



12

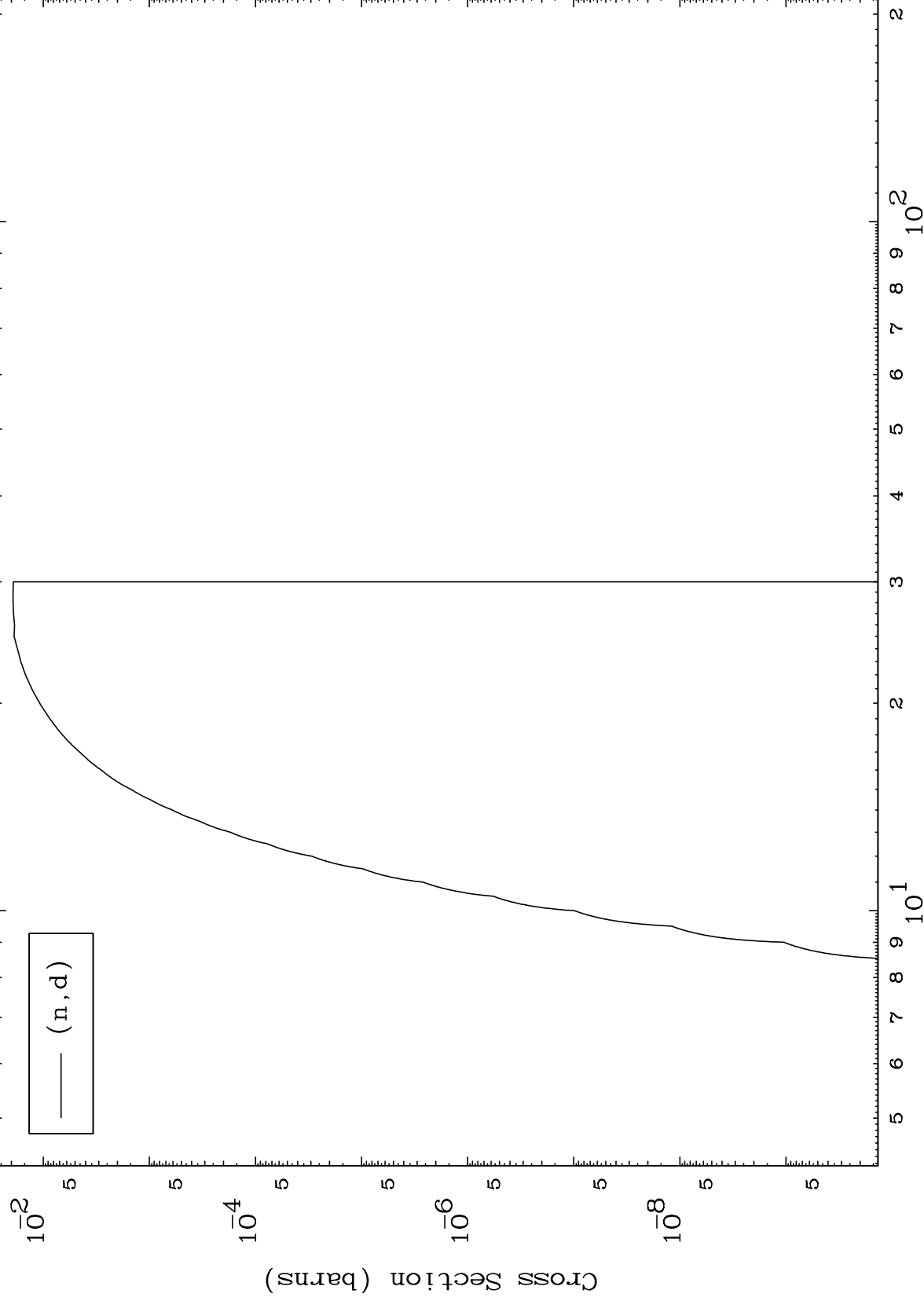
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-176



13

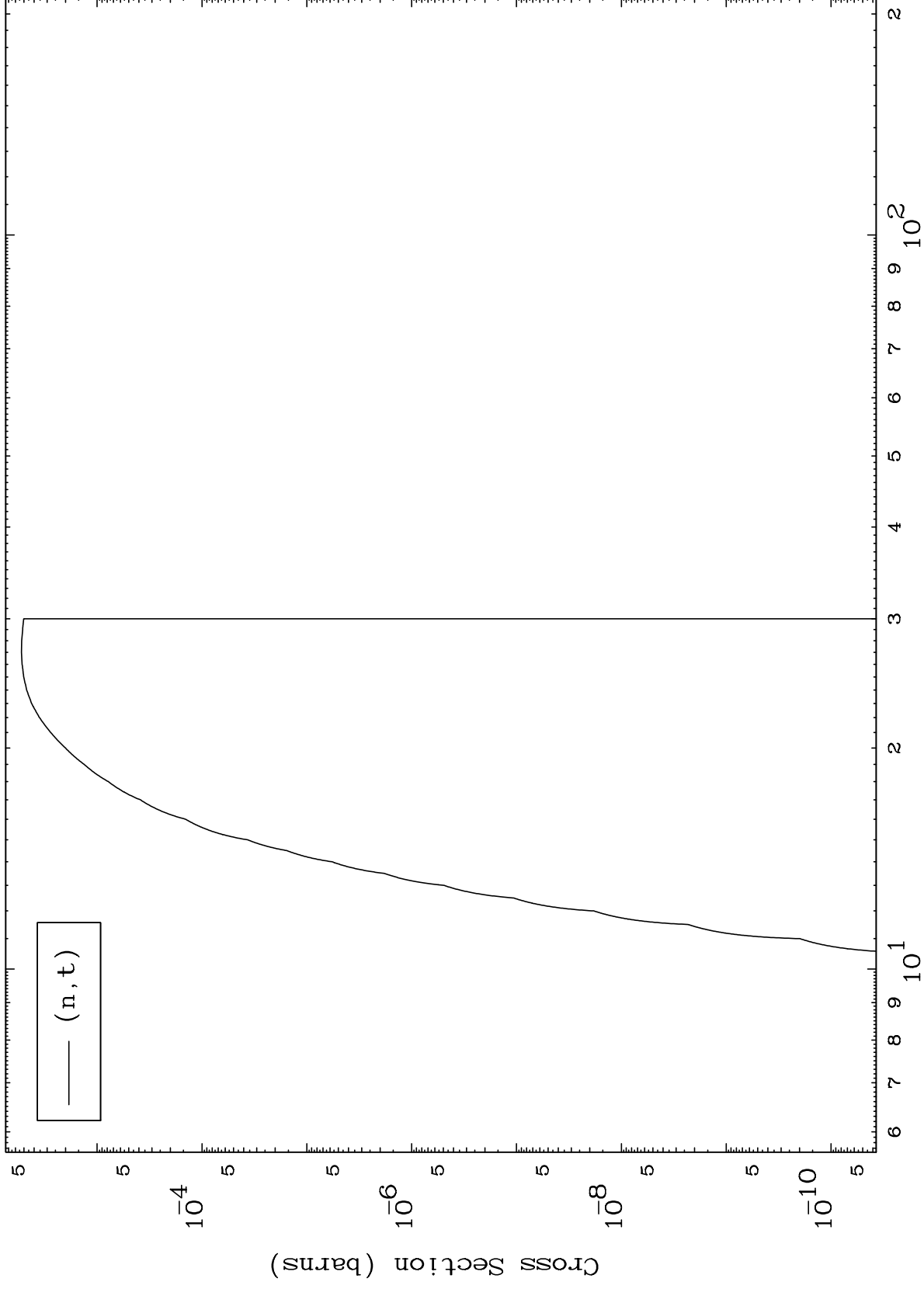
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n, t) Levels  
293 Kelvin Cross Sections

72-Hf-176



14

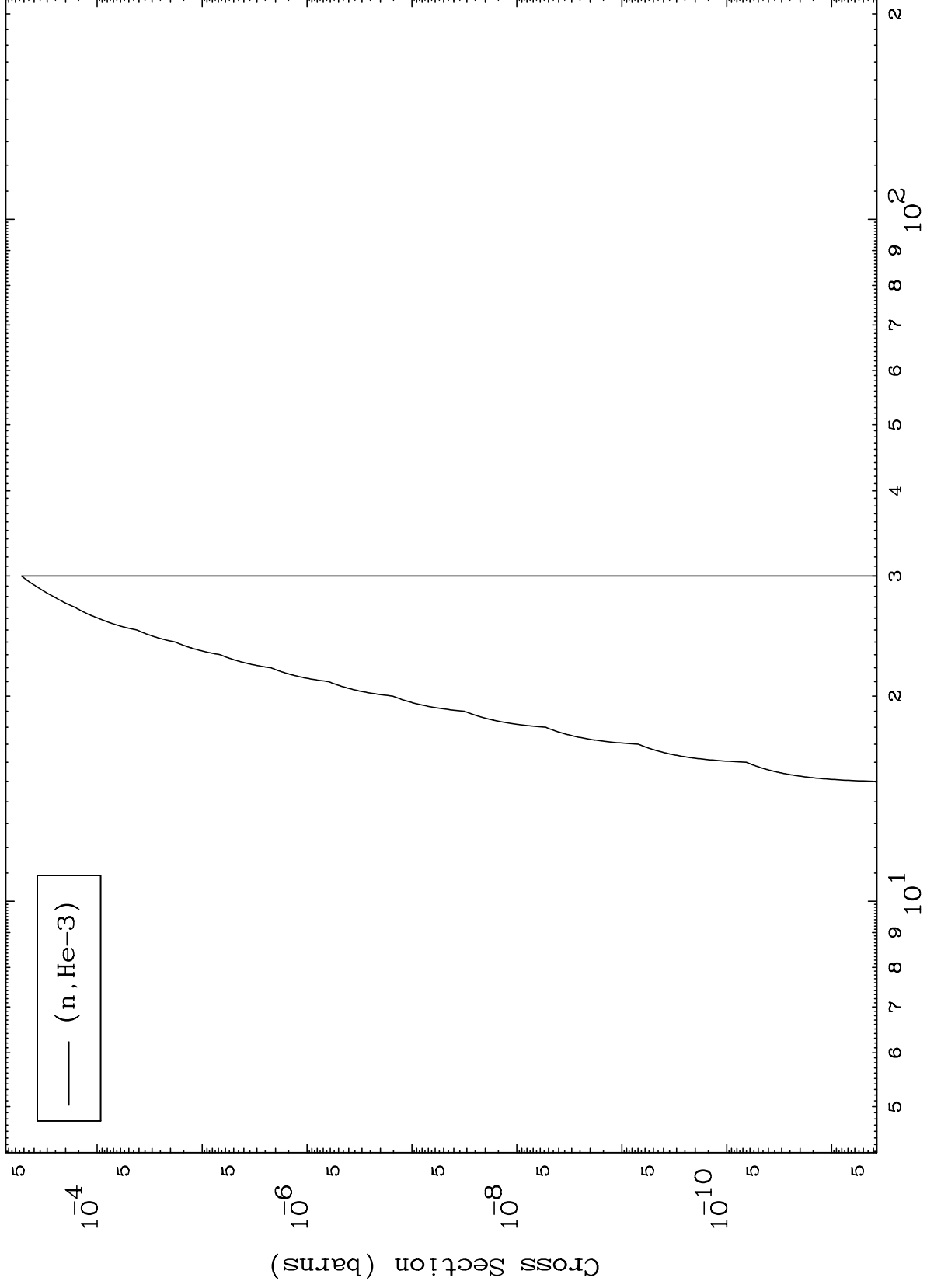
Incident Energy (MeV)

72-Hf-176

MAT 7231

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-176



15

Incident Energy (MeV)

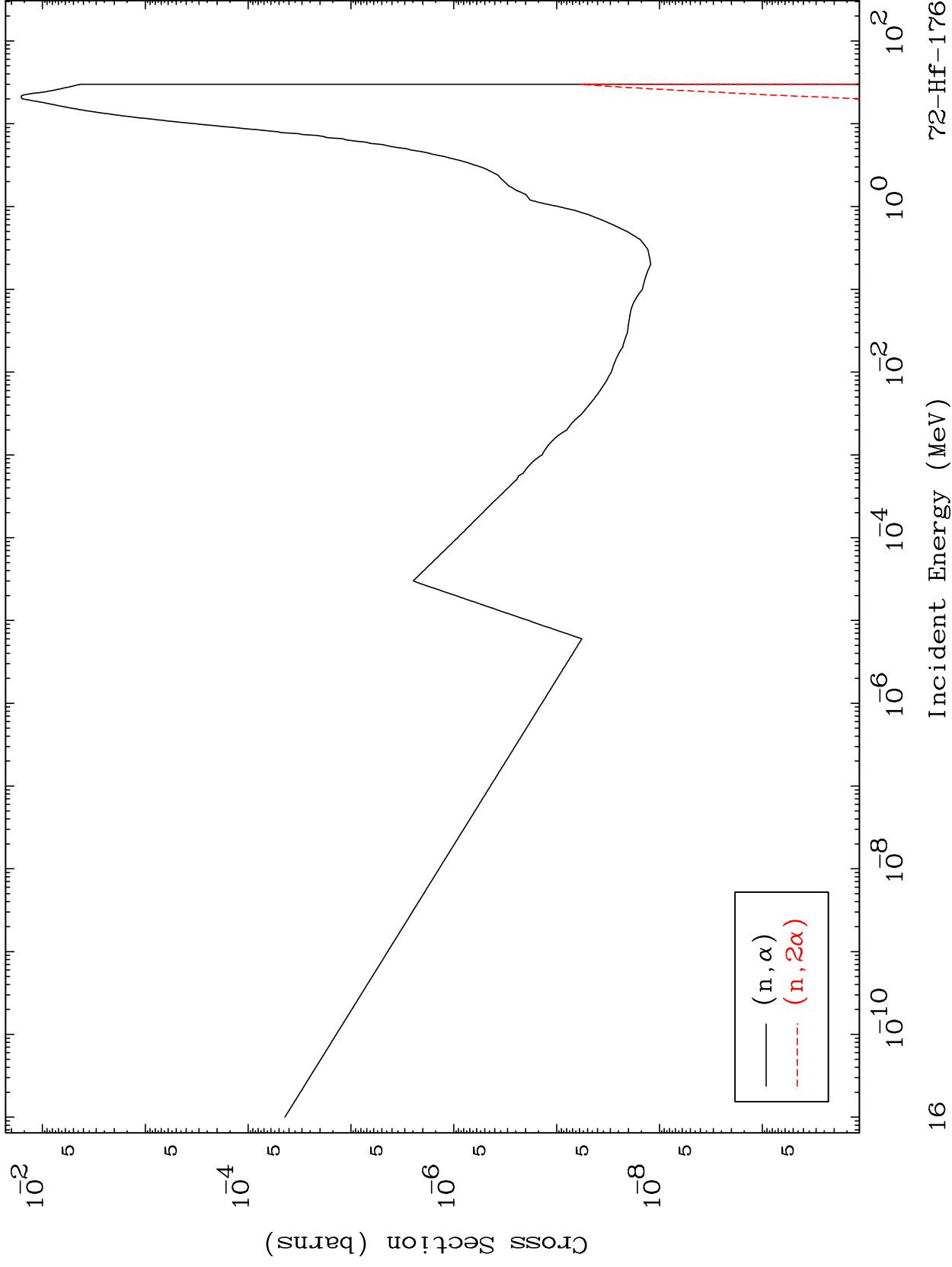
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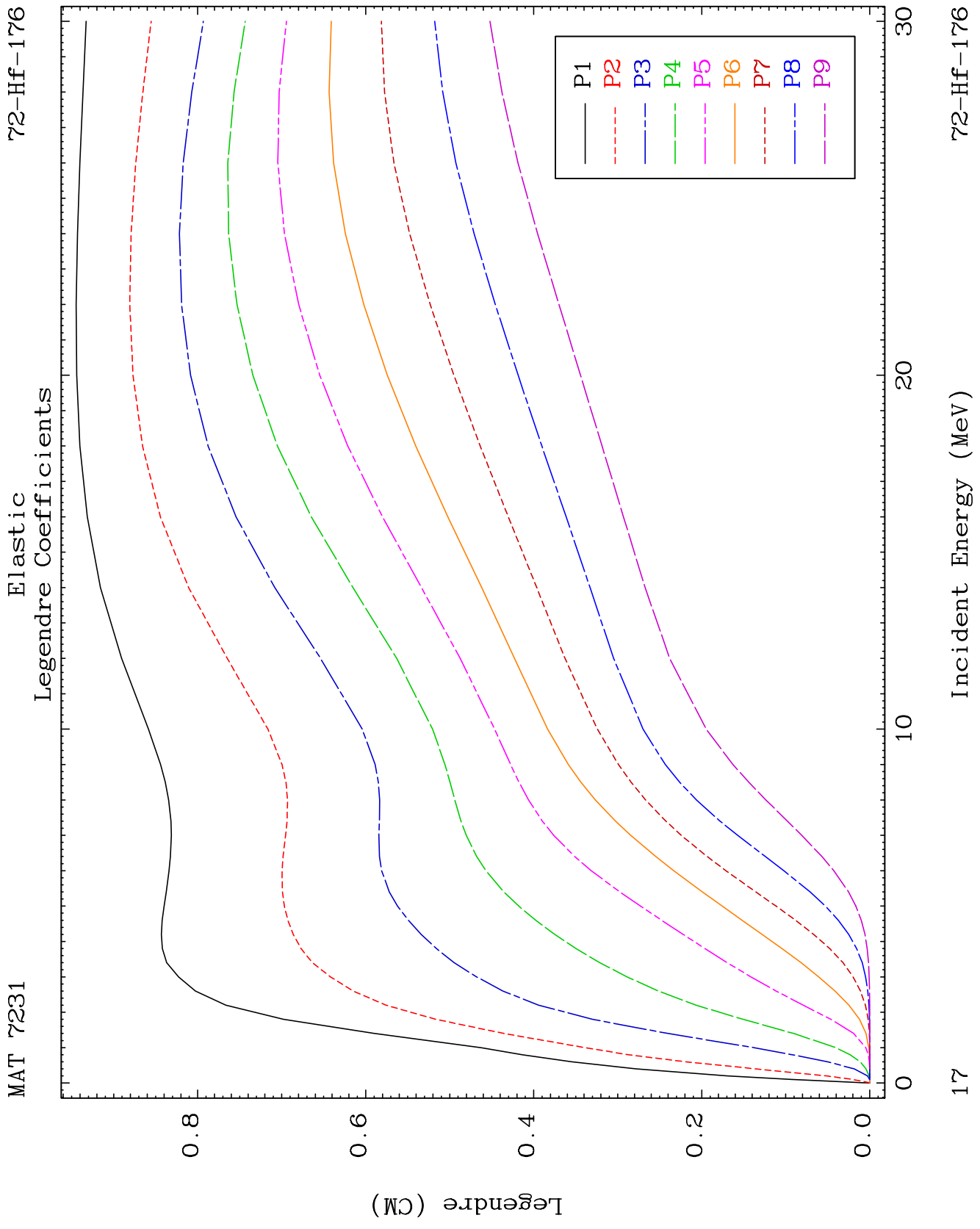


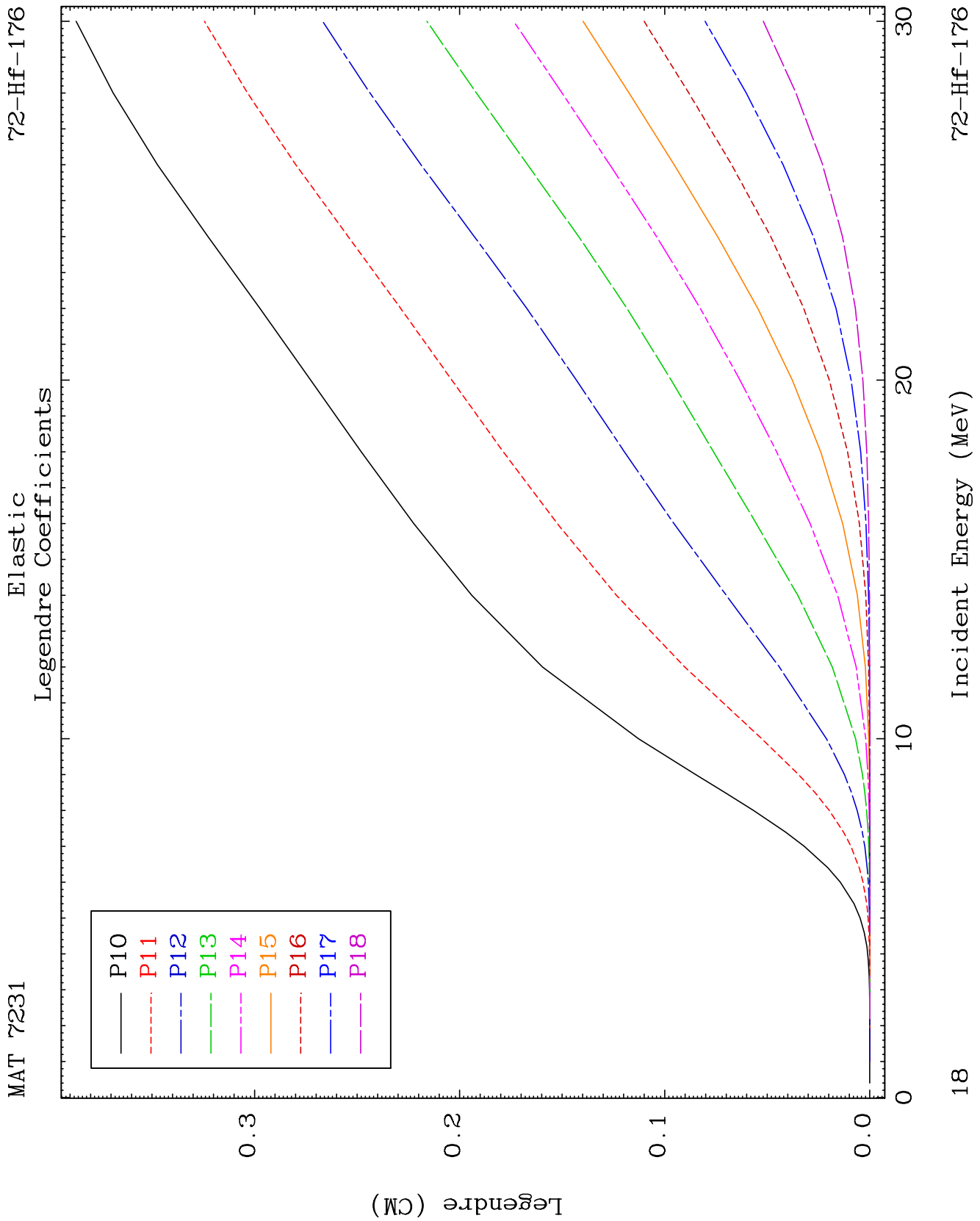
MAT 7231

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

72-Hf-176





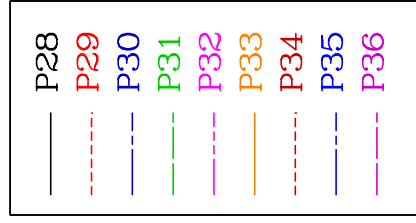




MAT 7231

Elastic  
Legendre Coefficients

72-Hf-176



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

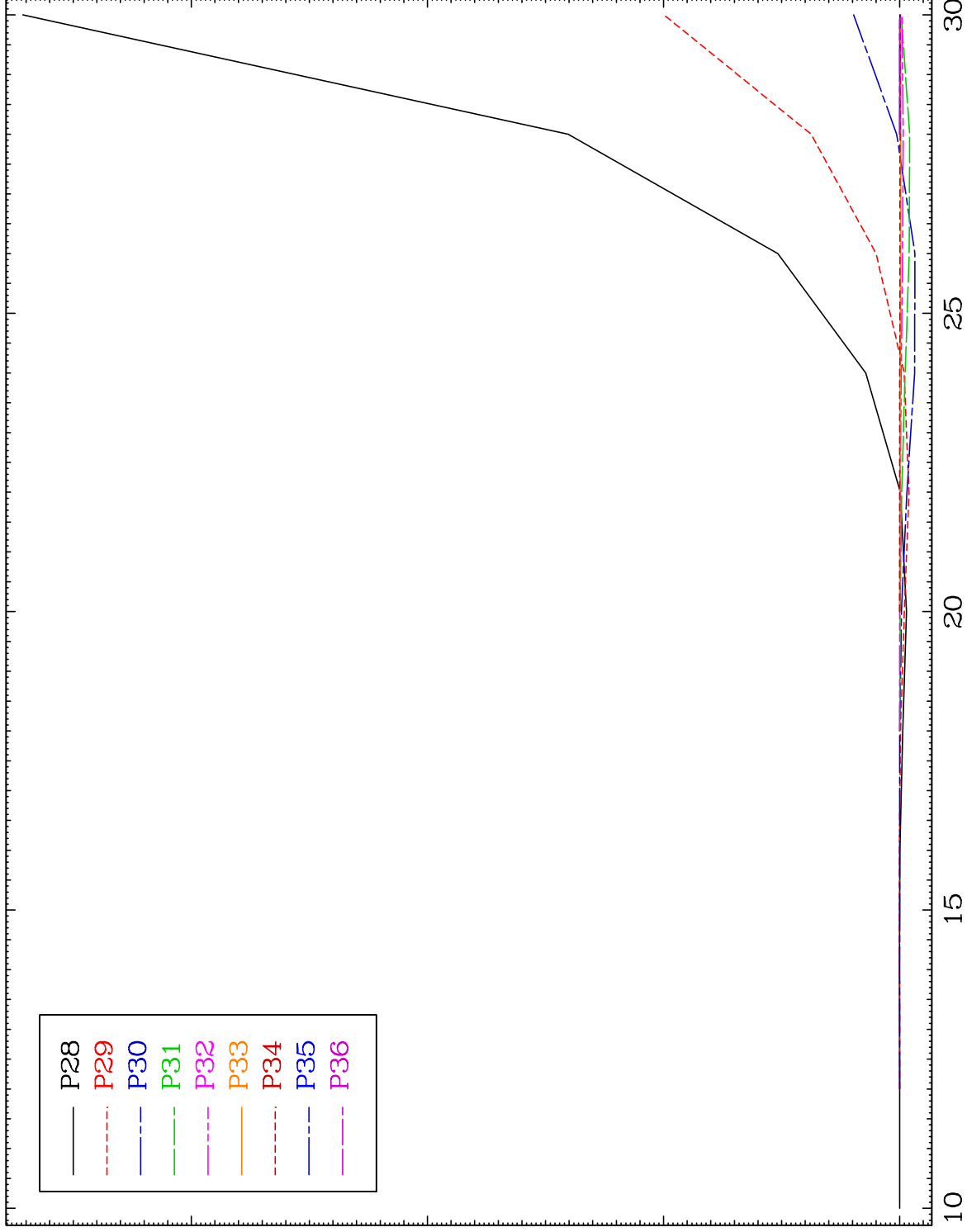
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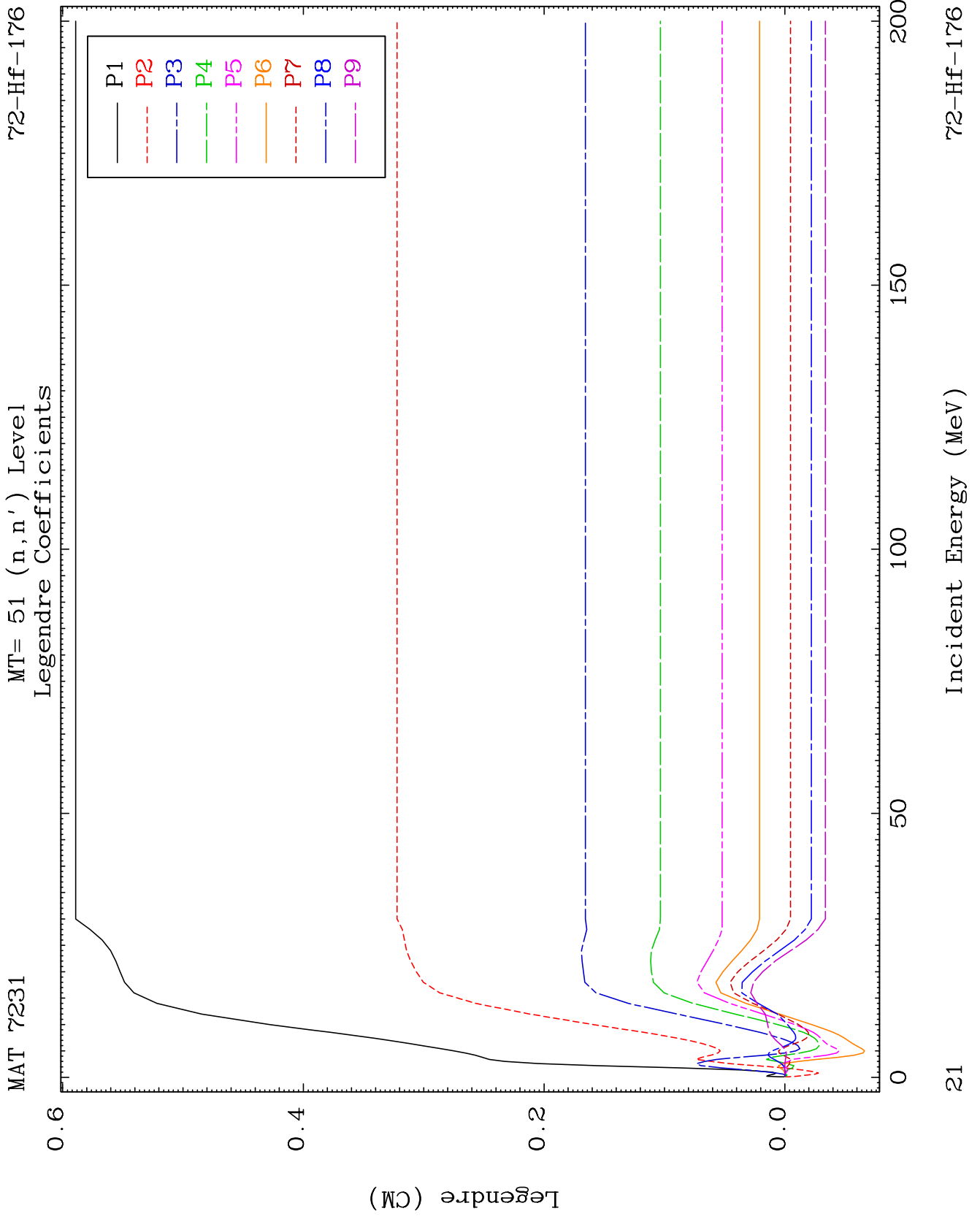
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20

Incident Energy (MeV)

72-Hf-176

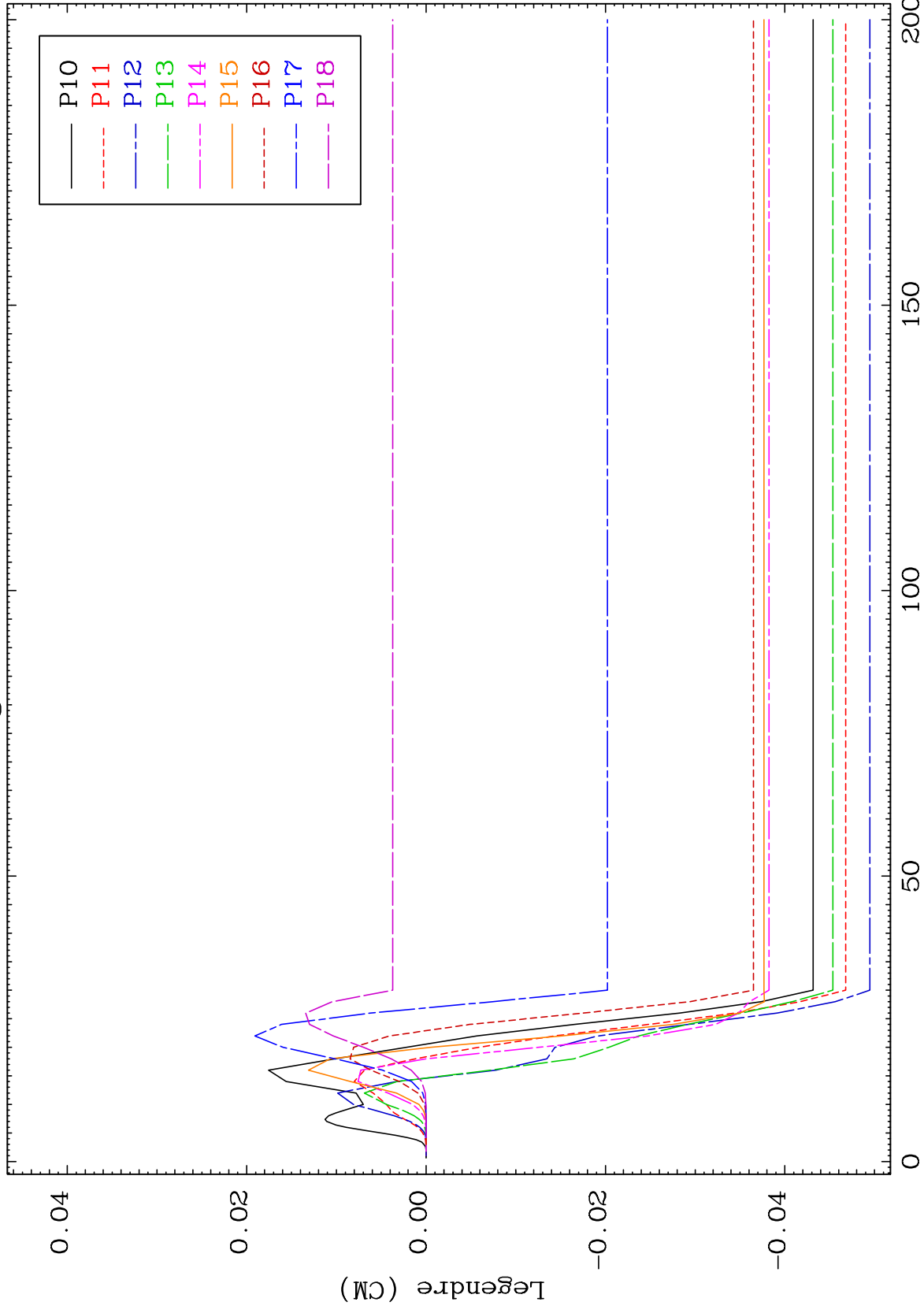




MAT 7231

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

72-Hf-176



22

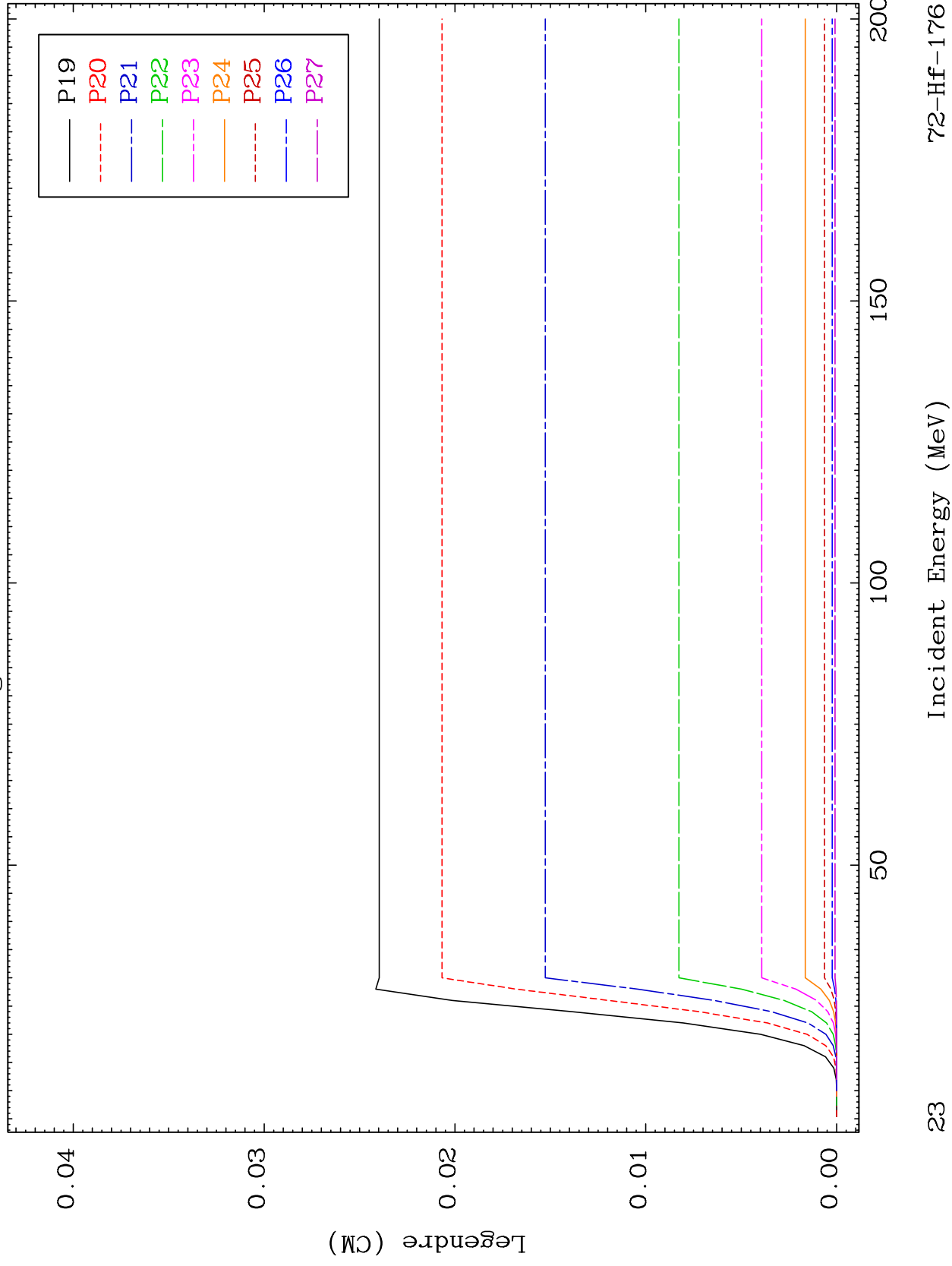
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



23

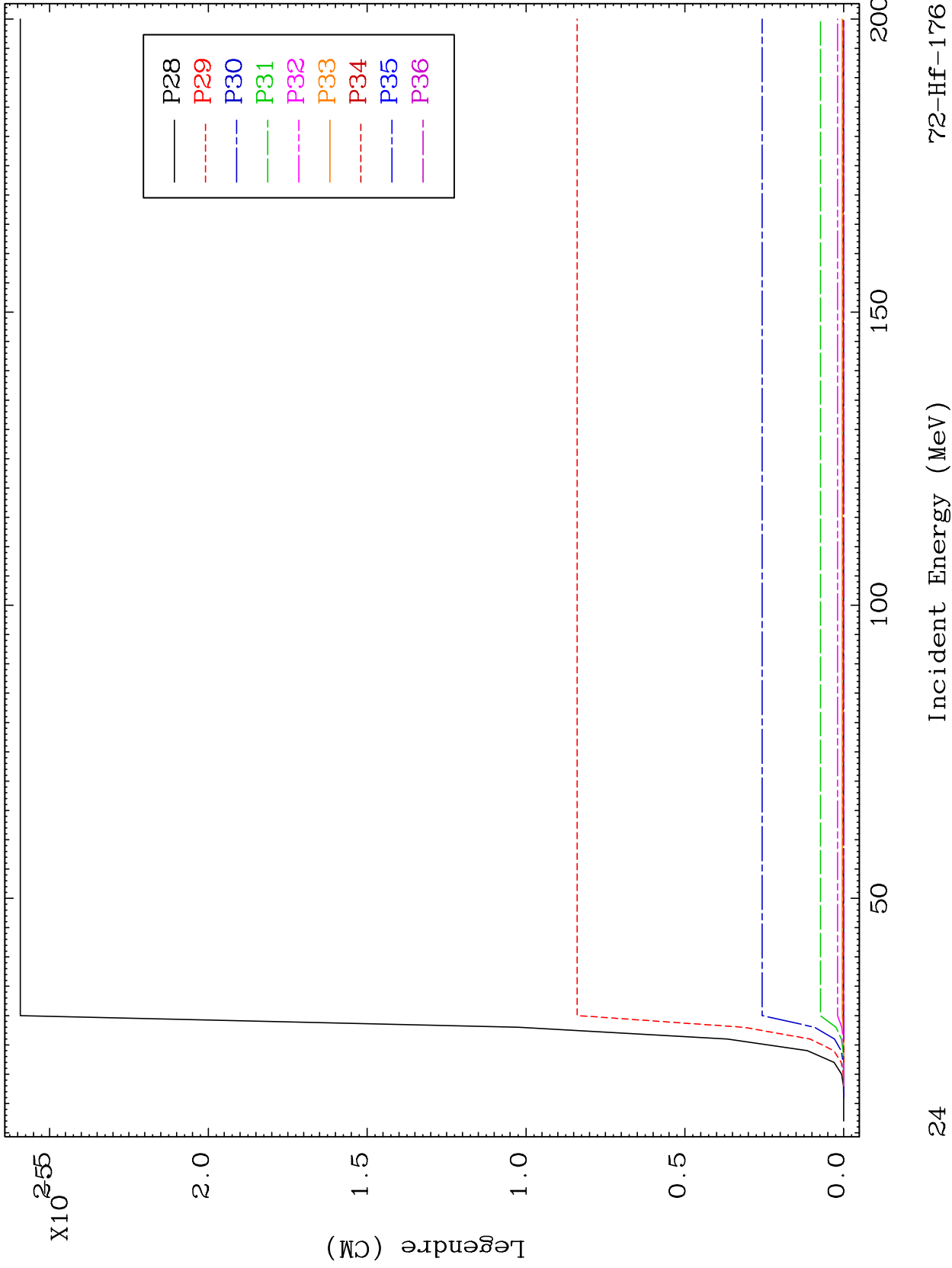
72-Hf-176



MAT 7231

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

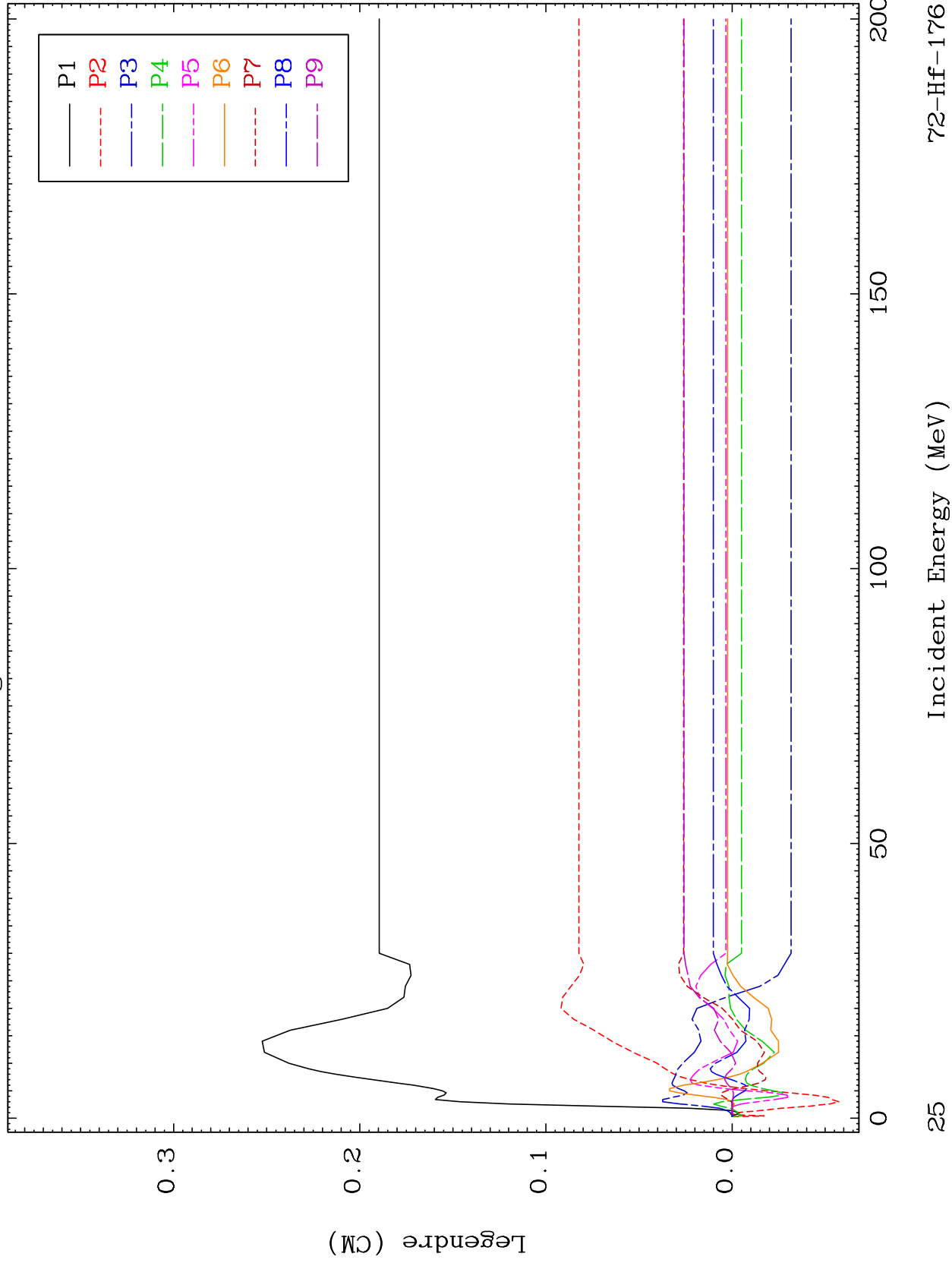
72-Hf-176



MAT 7231

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

72-Hf-176



72-Hf-176

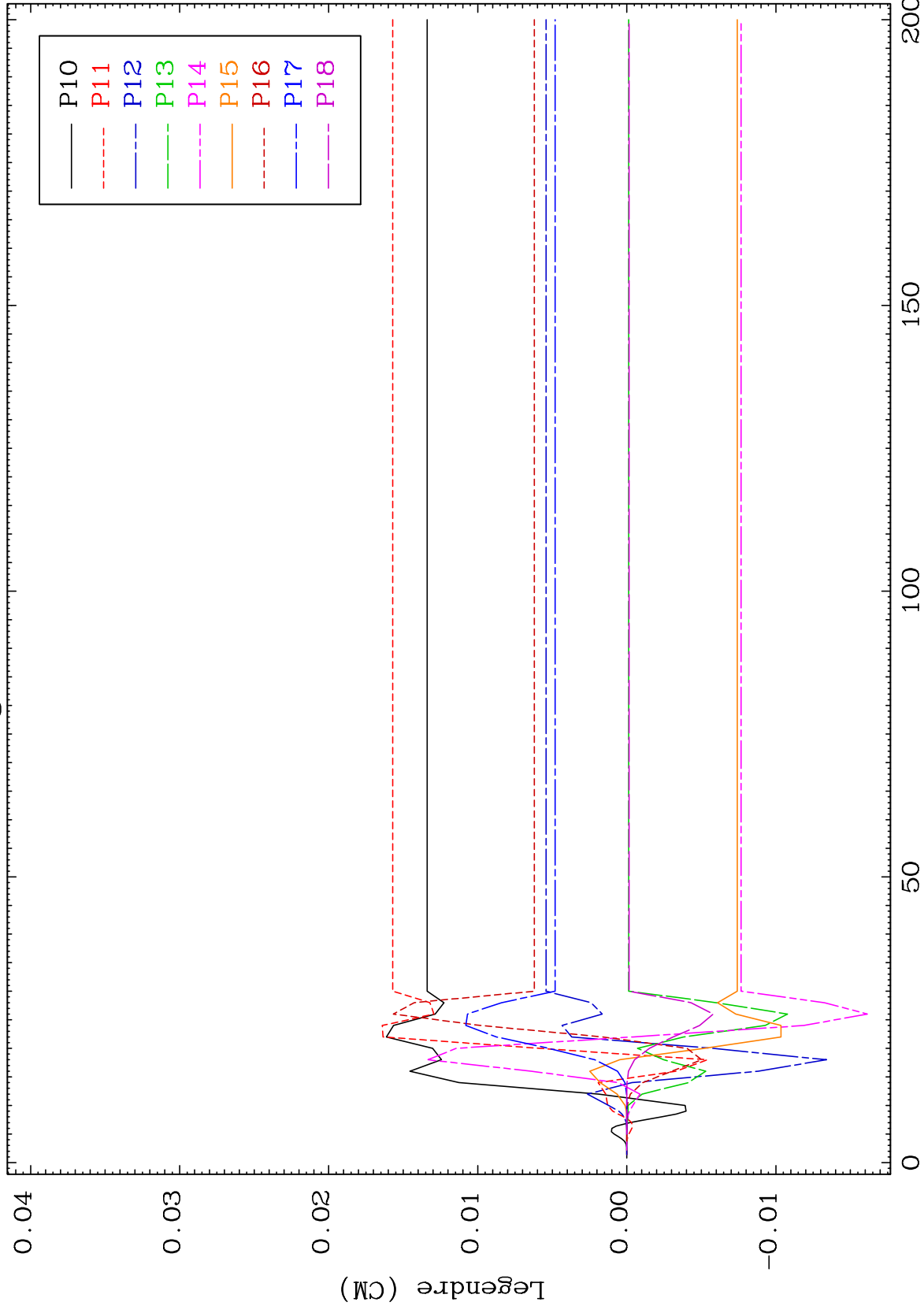
Incident Energy (MeV)

25

MAT 7231

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

72-Hf-176



26

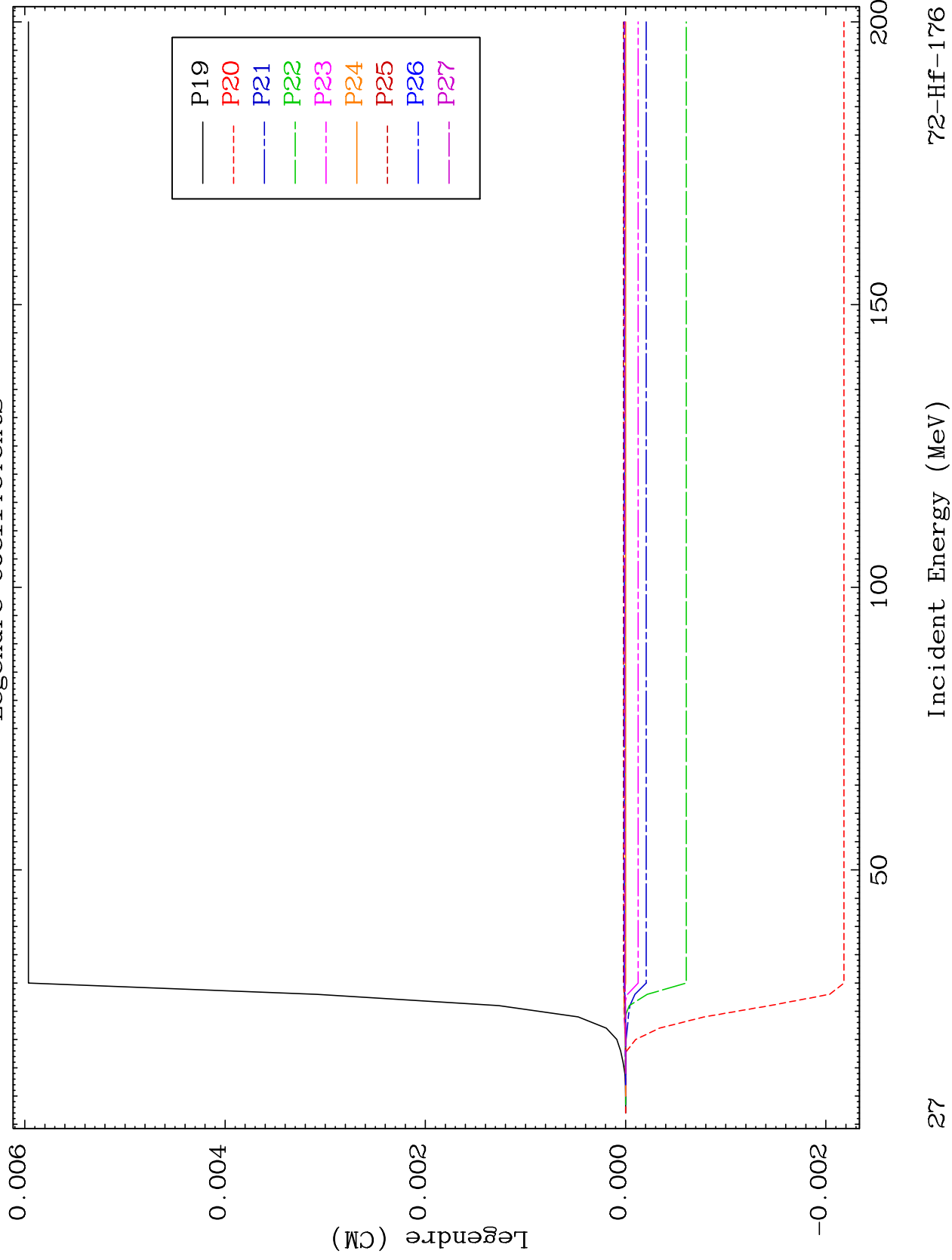
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



27

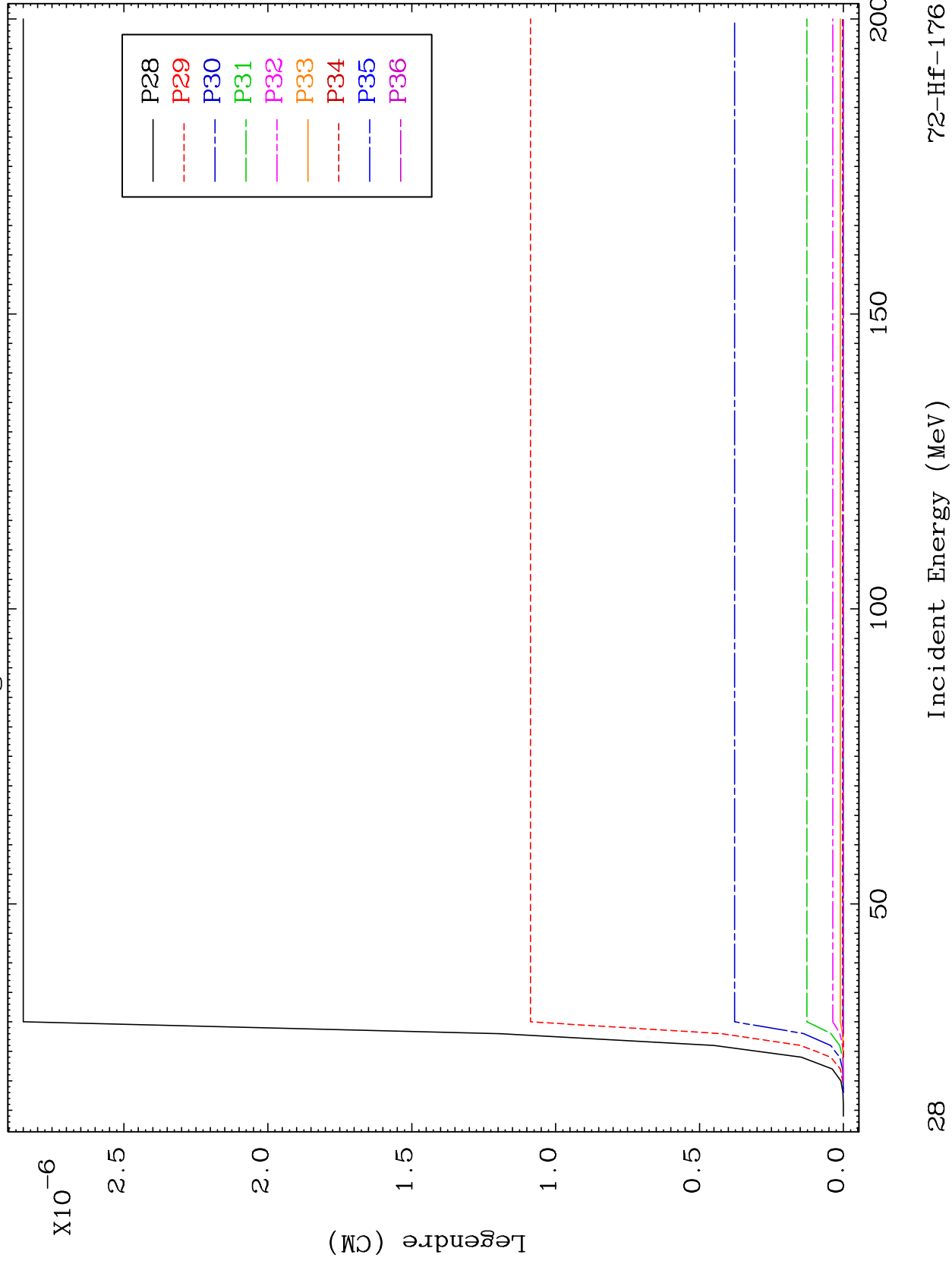
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



28

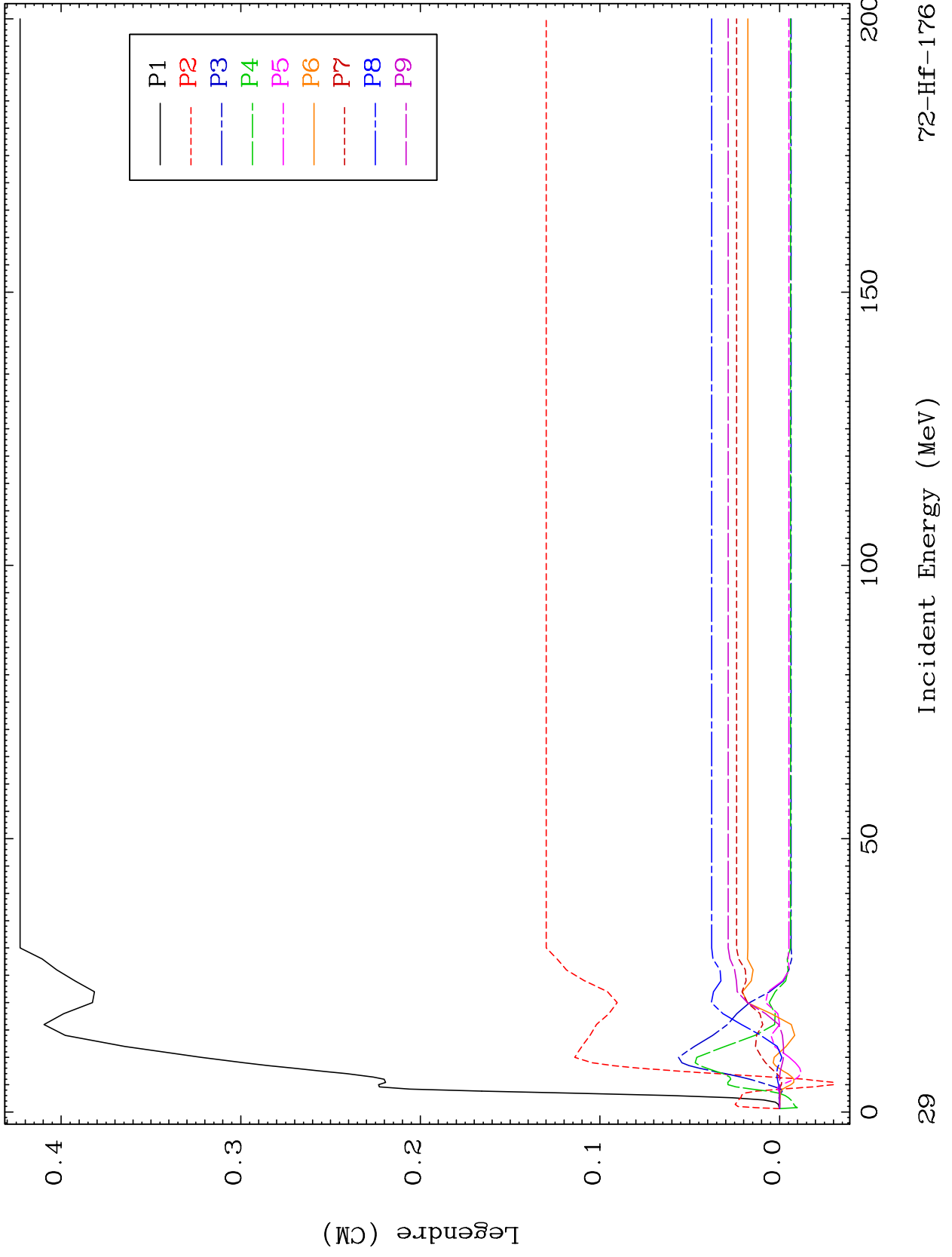
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



29

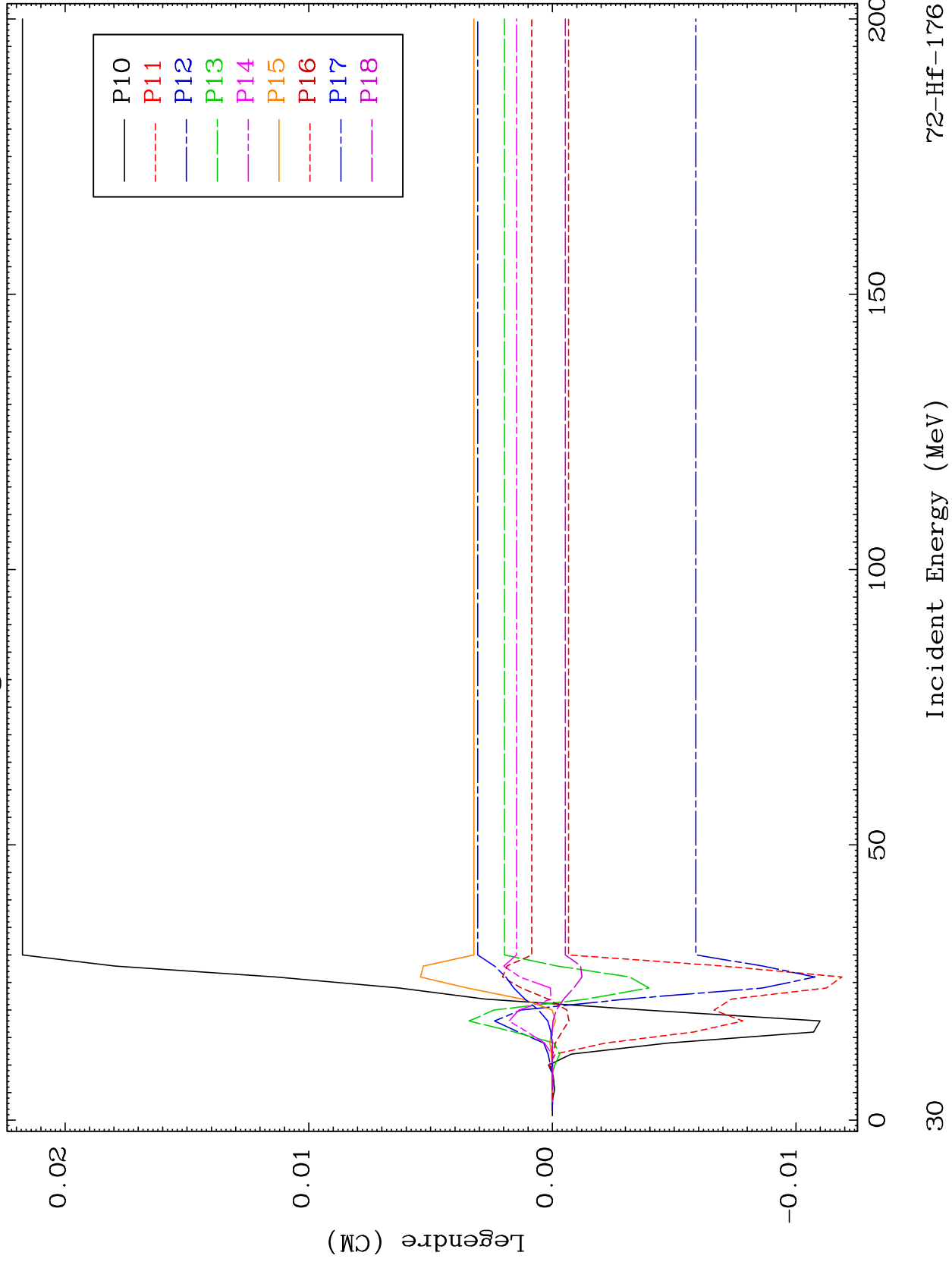
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



72-Hf-176

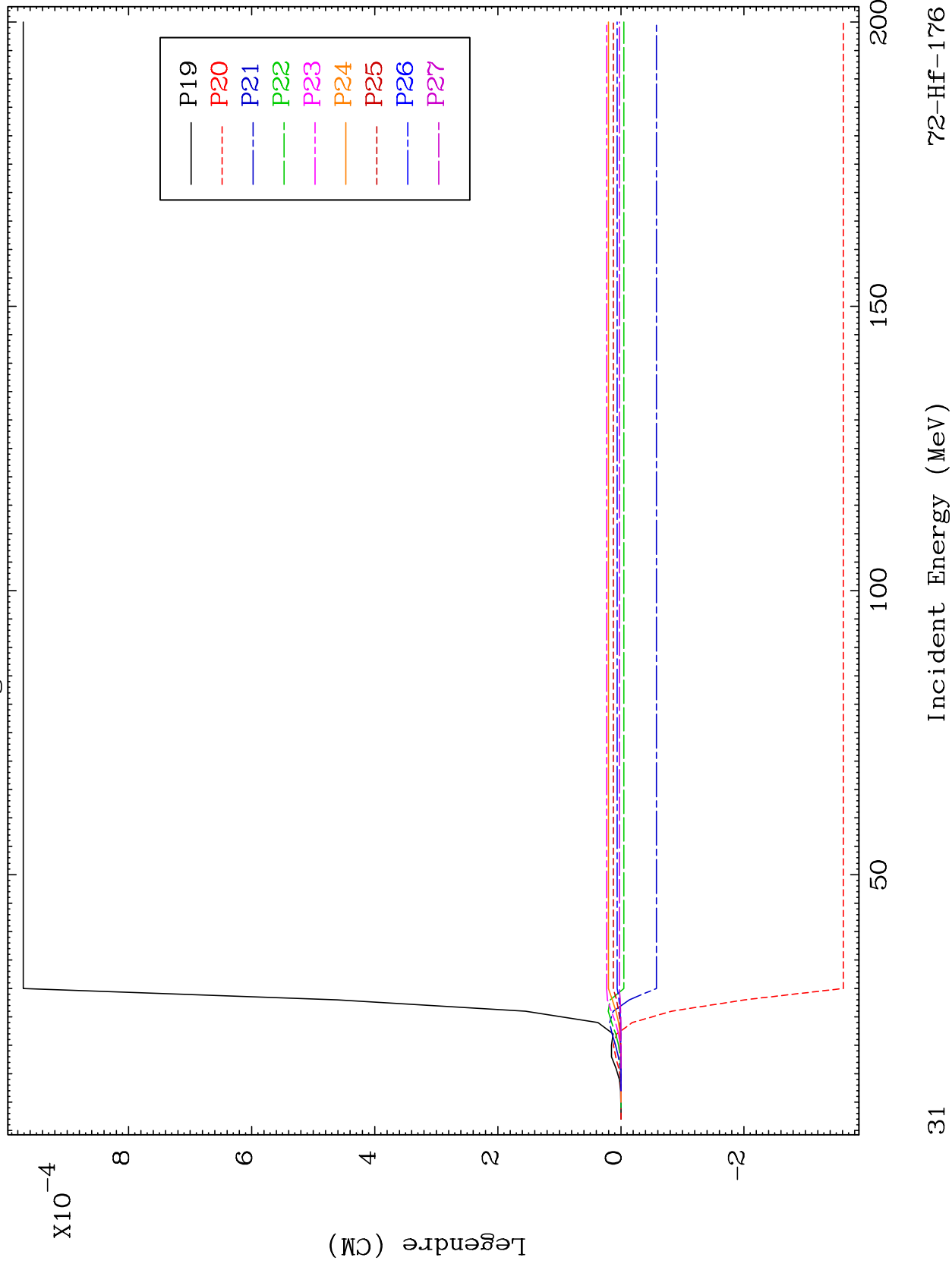
Incident Energy (MeV)

30

MAT 7231

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

72-Hf-176



31

Incident Energy (MeV)

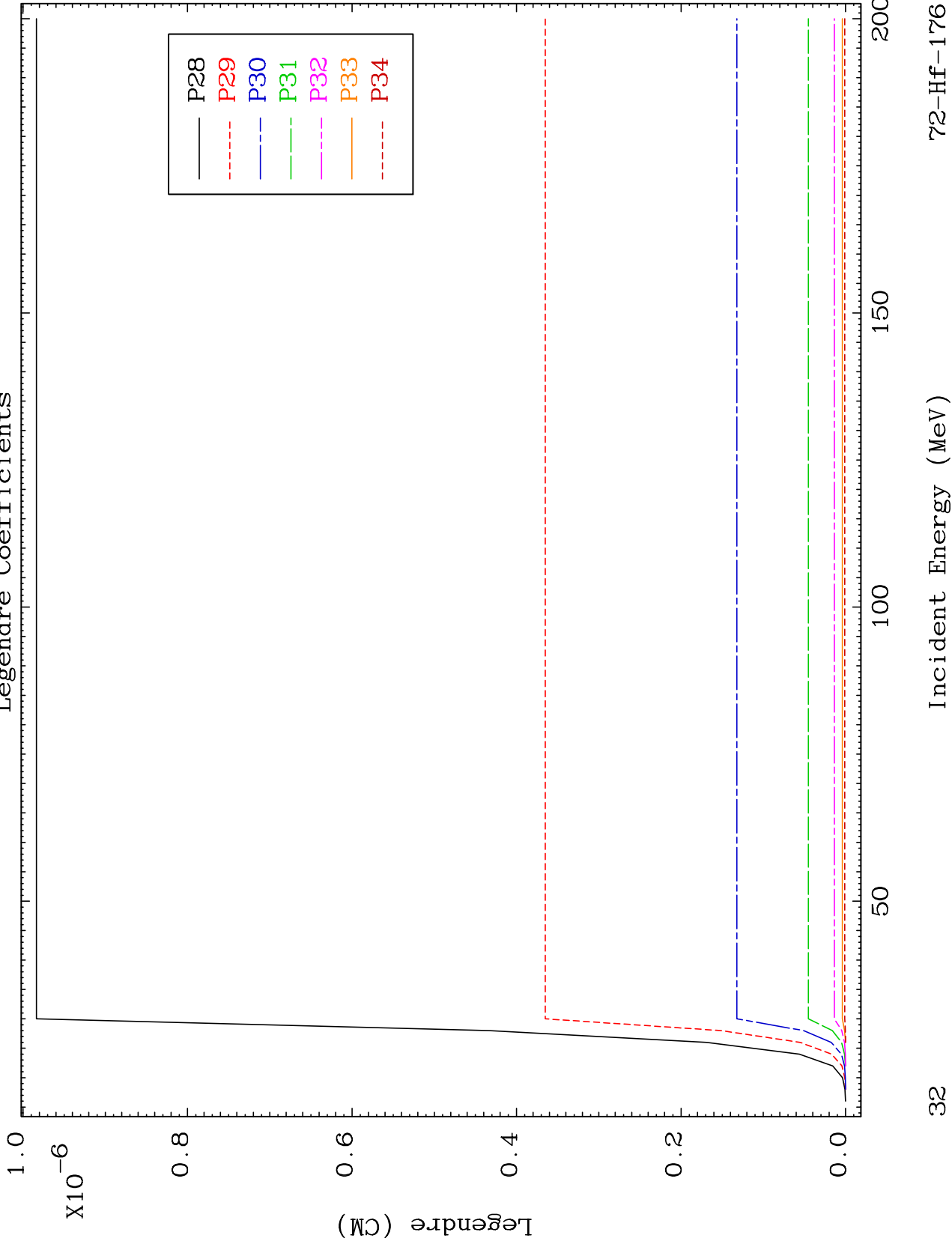
72-Hf-176



MAT 7231

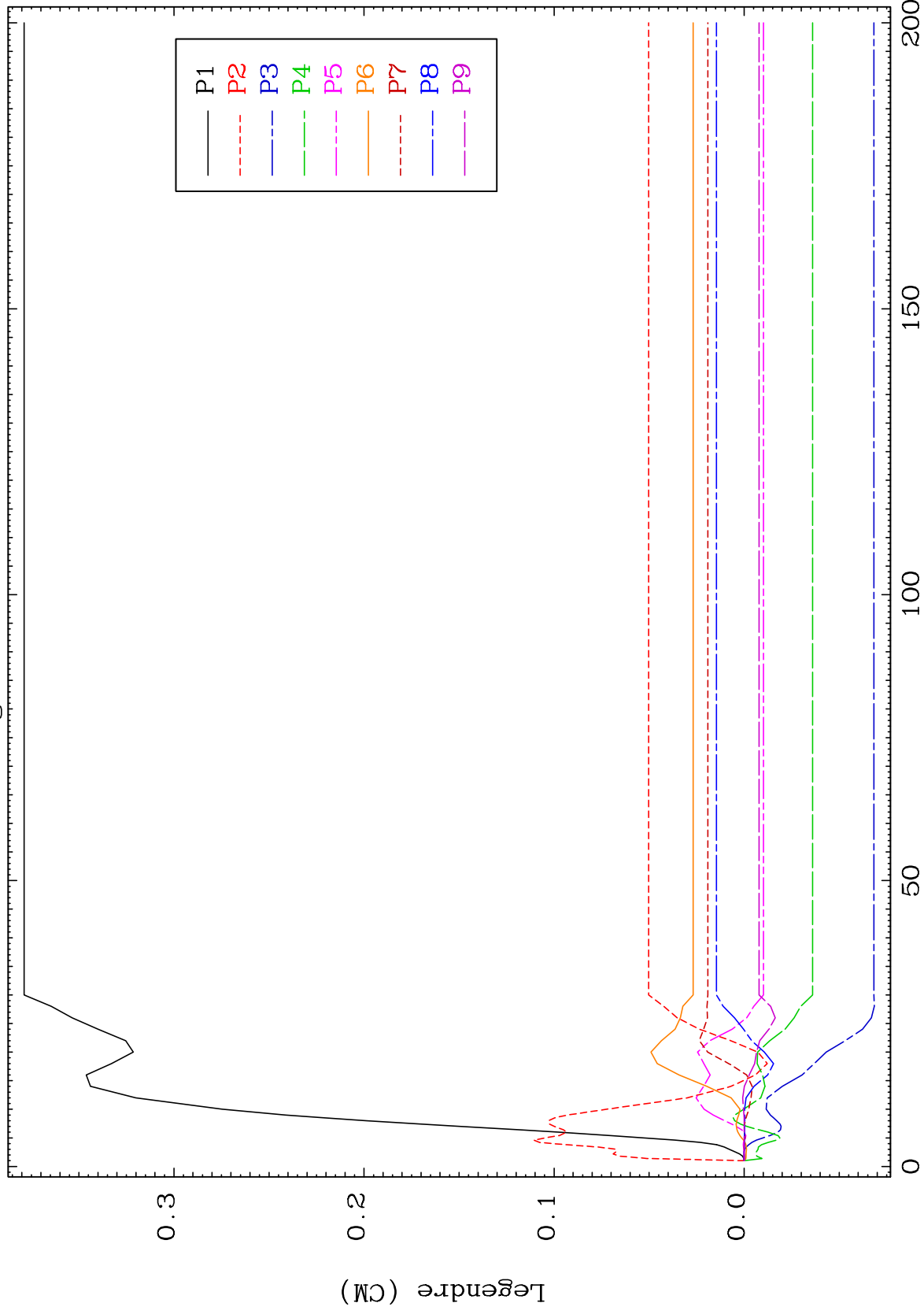
MT= 53 (n,n') Level  
Legendre Coefficients

72-Hf-176



32

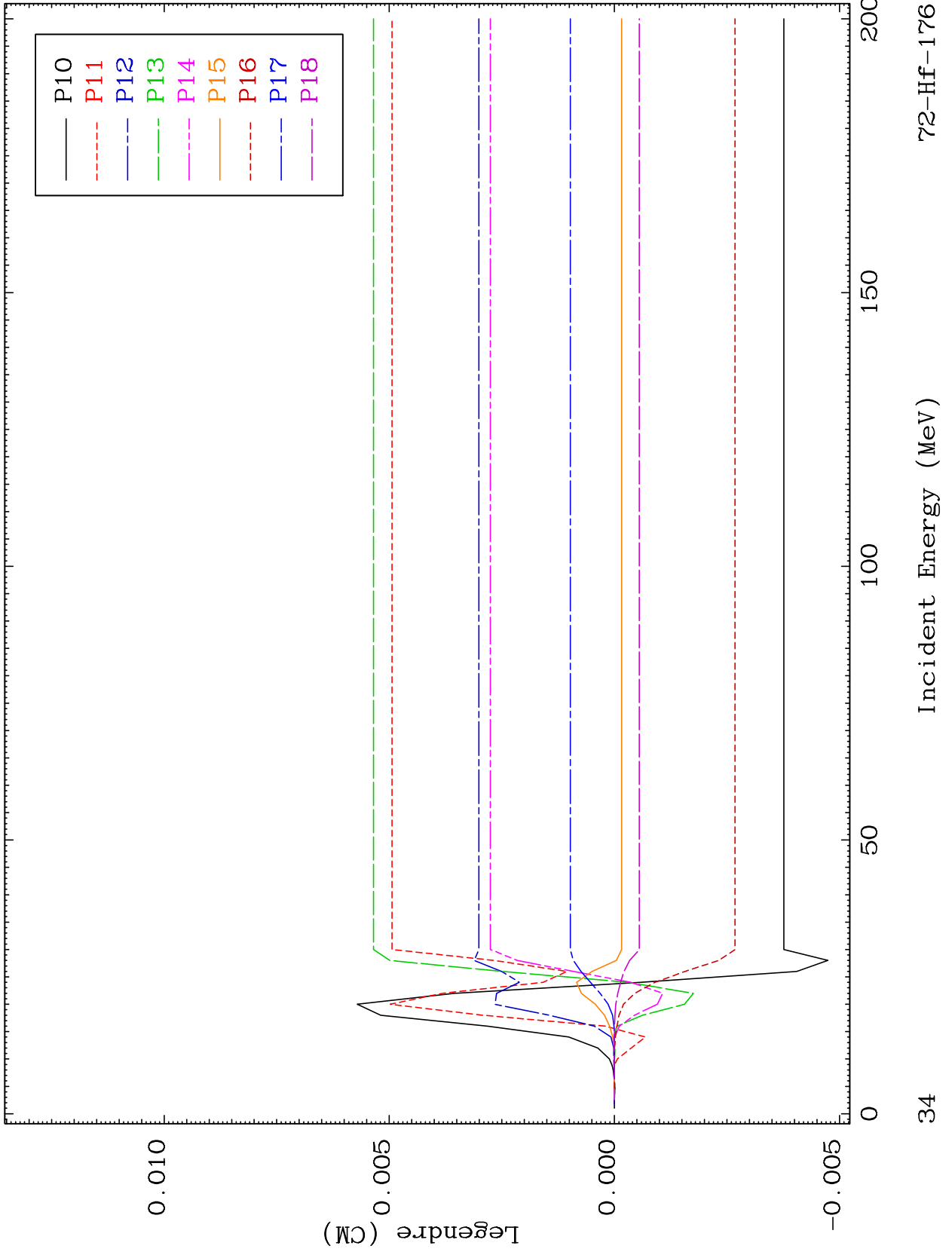
72-Hf-176



MAT 7231

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

72-Hf-176



34

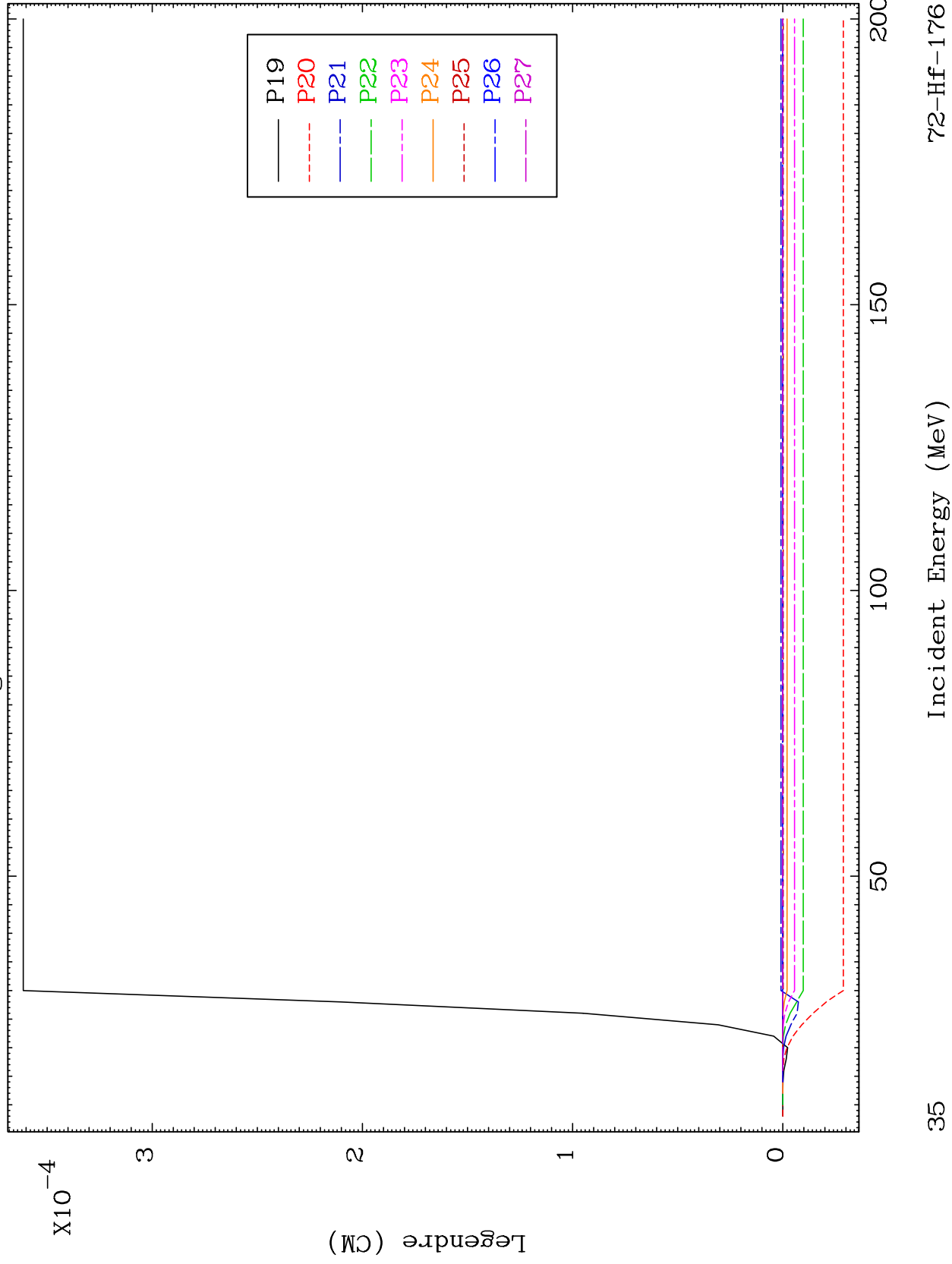
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

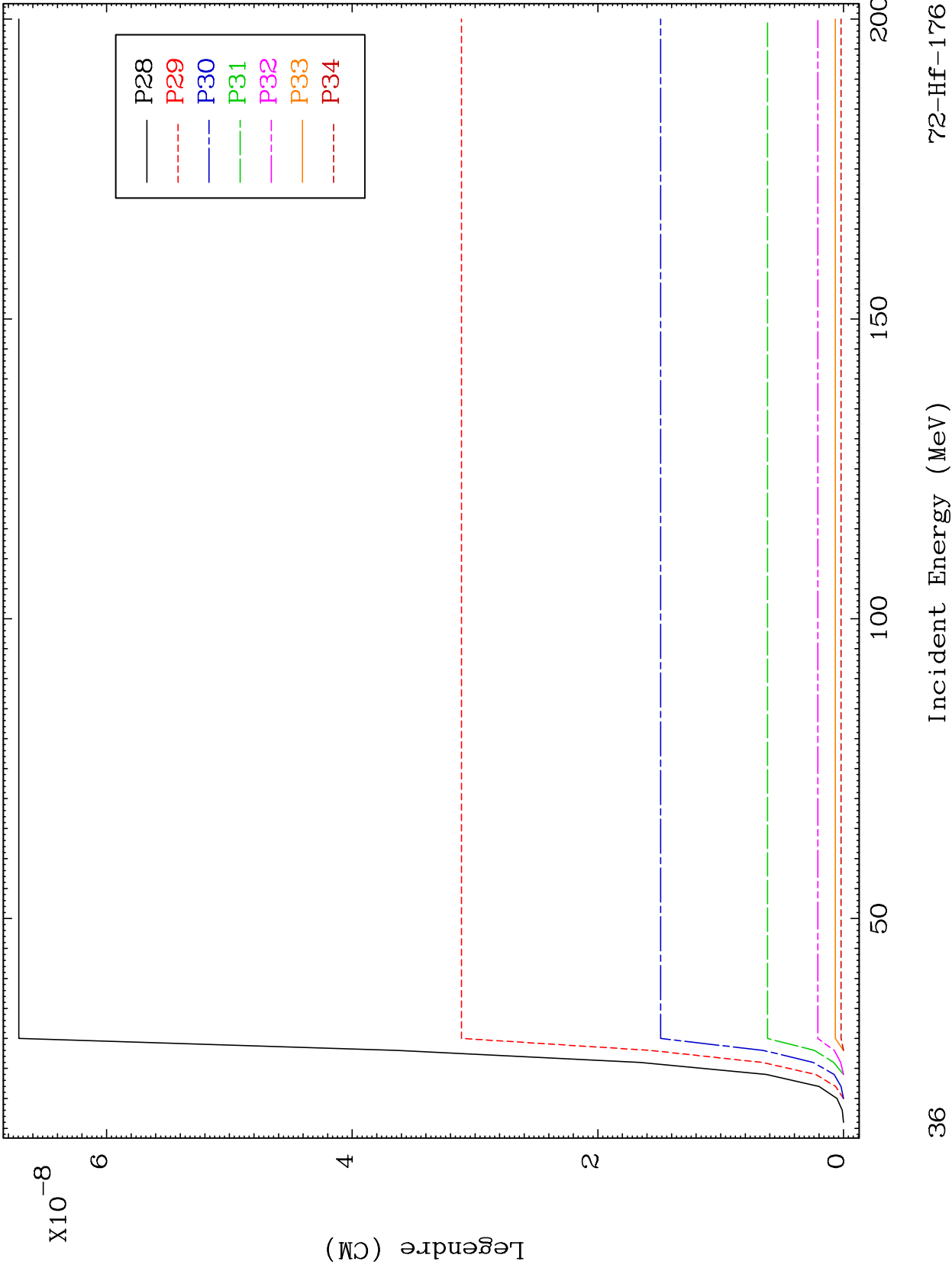
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MAT 7231

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

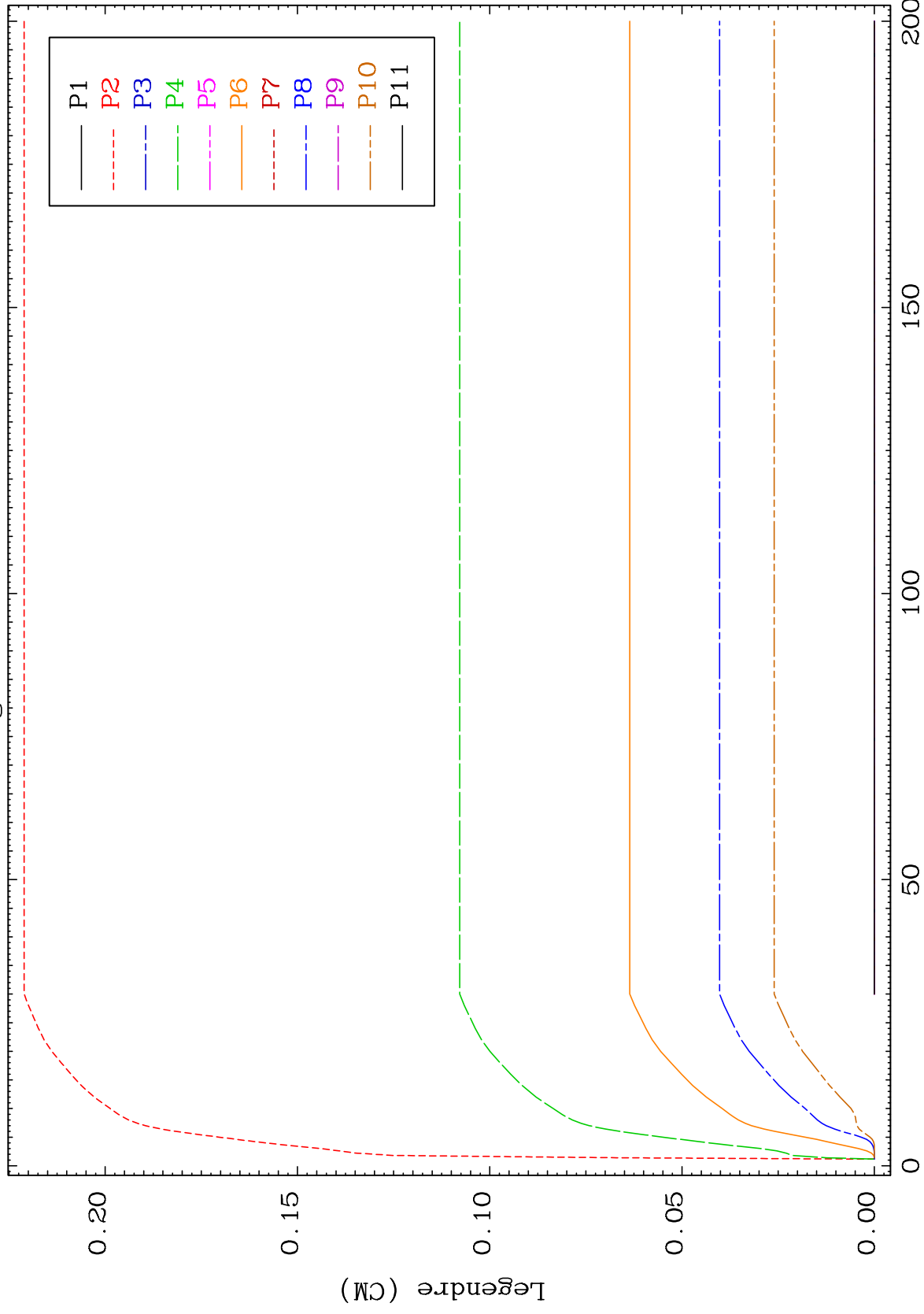
72-Hf-176



MAT 7231

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

72-Hf-176



37

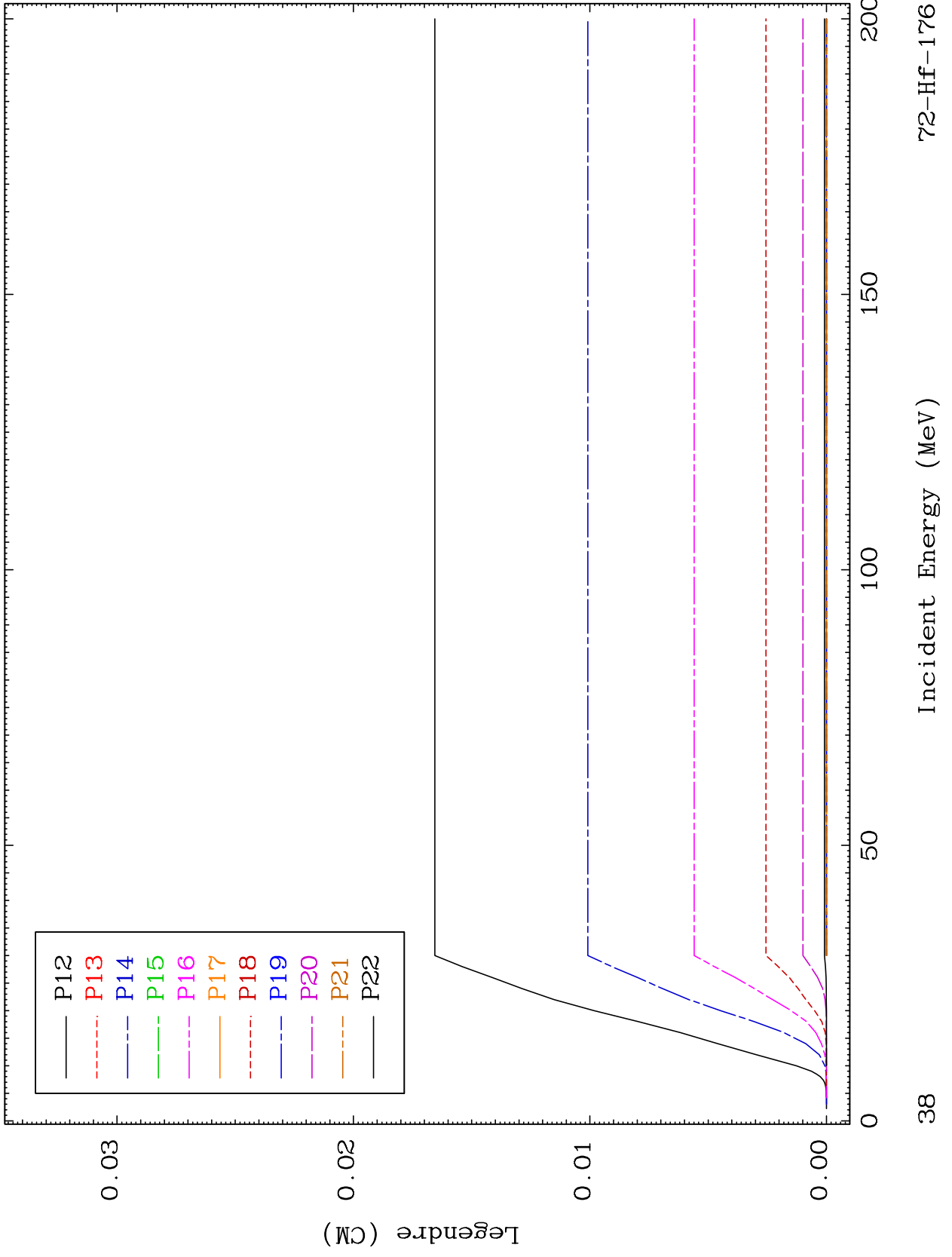
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

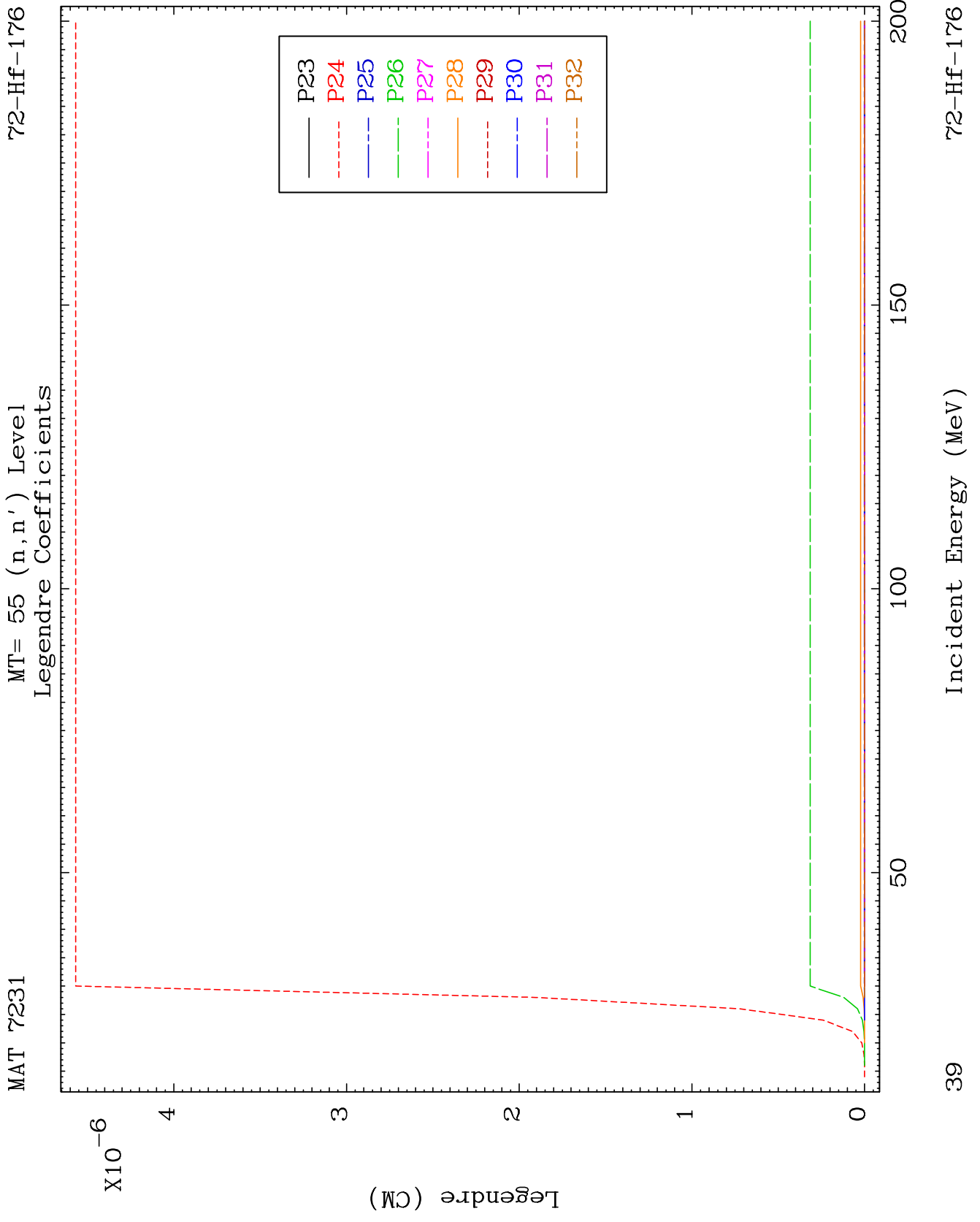
72-Hf-176



38

Incident Energy (MeV)

72-Hf-176

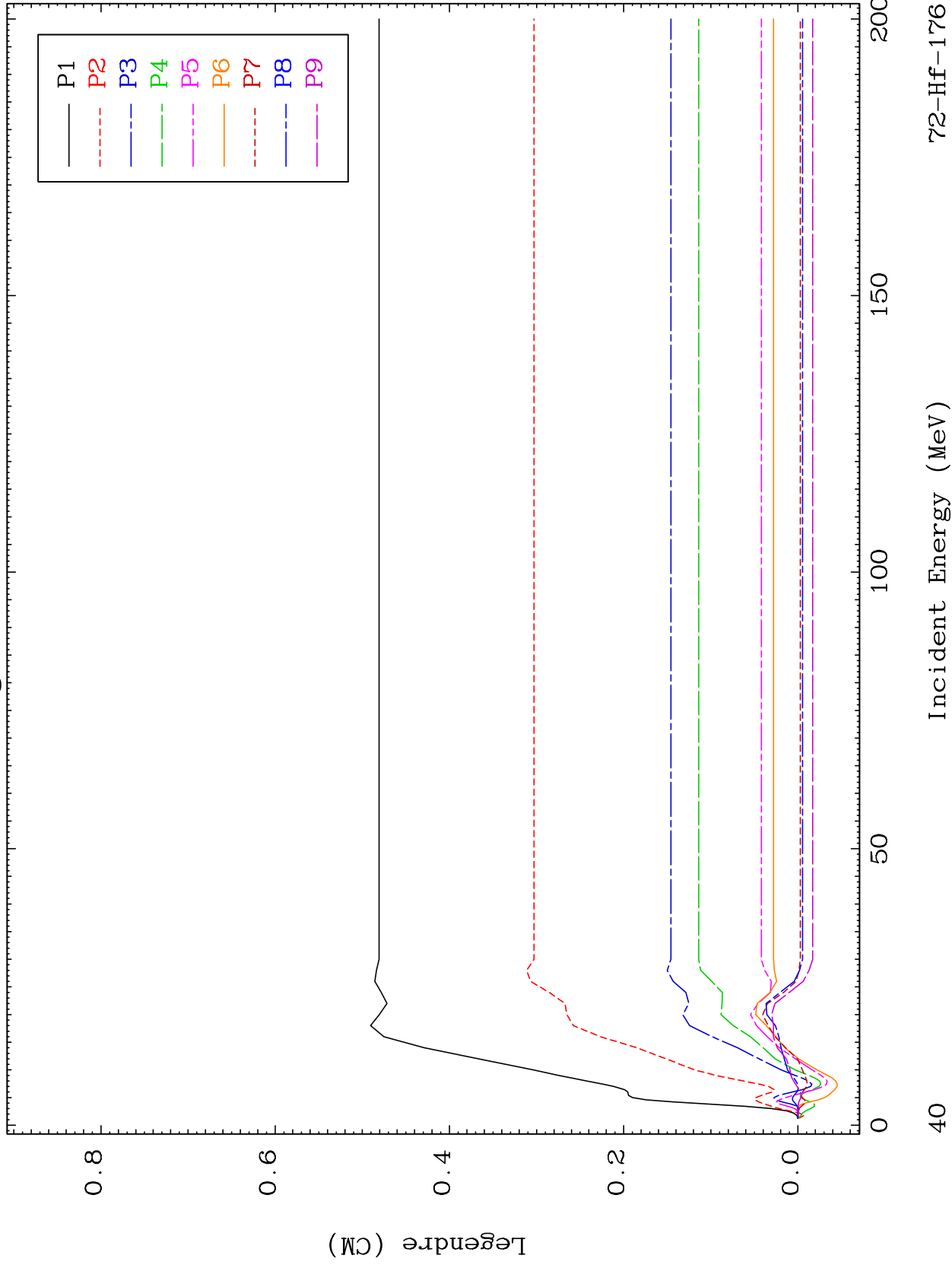




MAT 7231

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

72-Hf-176



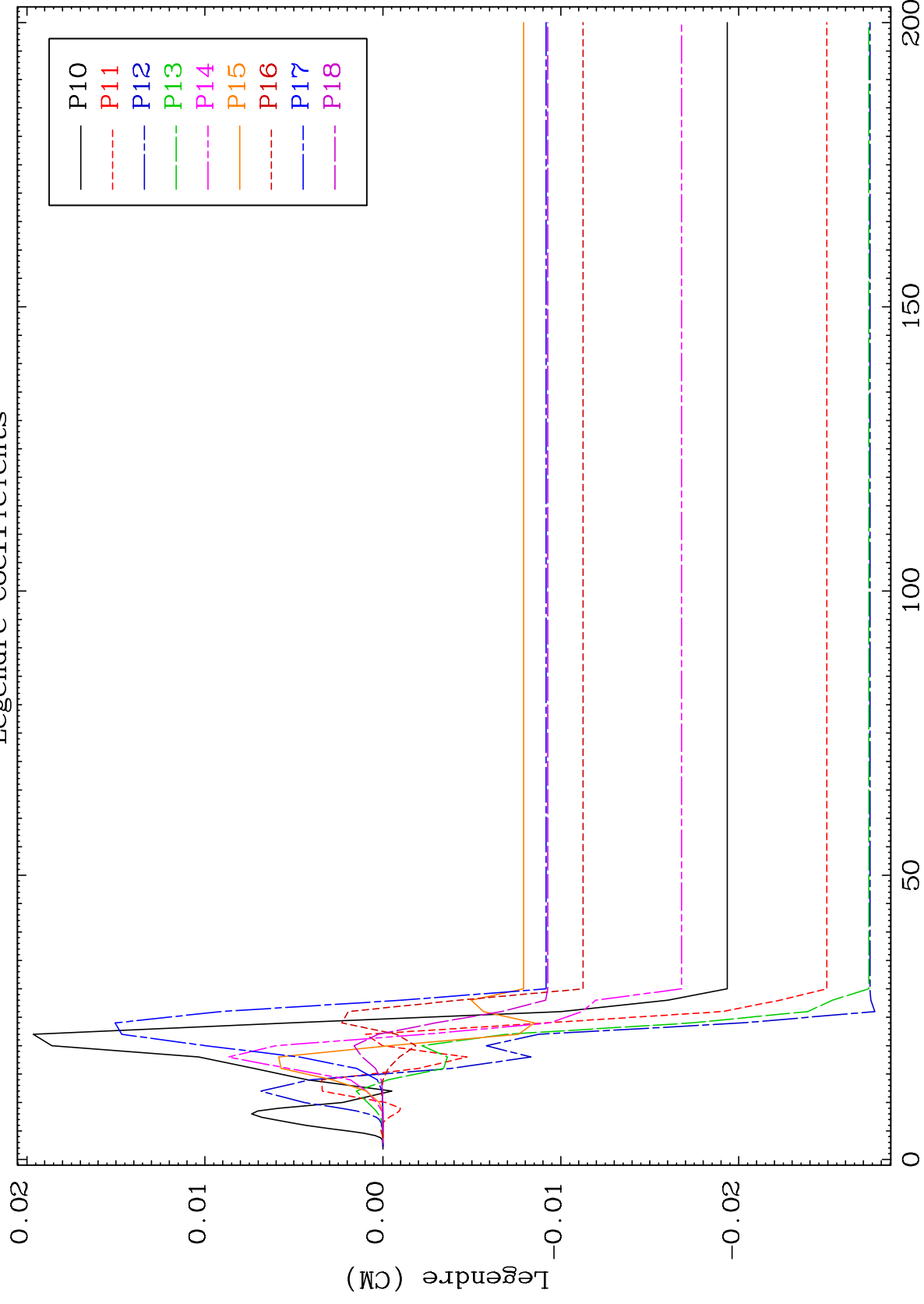
72-Hf-176

Incident Energy (MeV)

MAT 7231

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

72-Hf-176



41

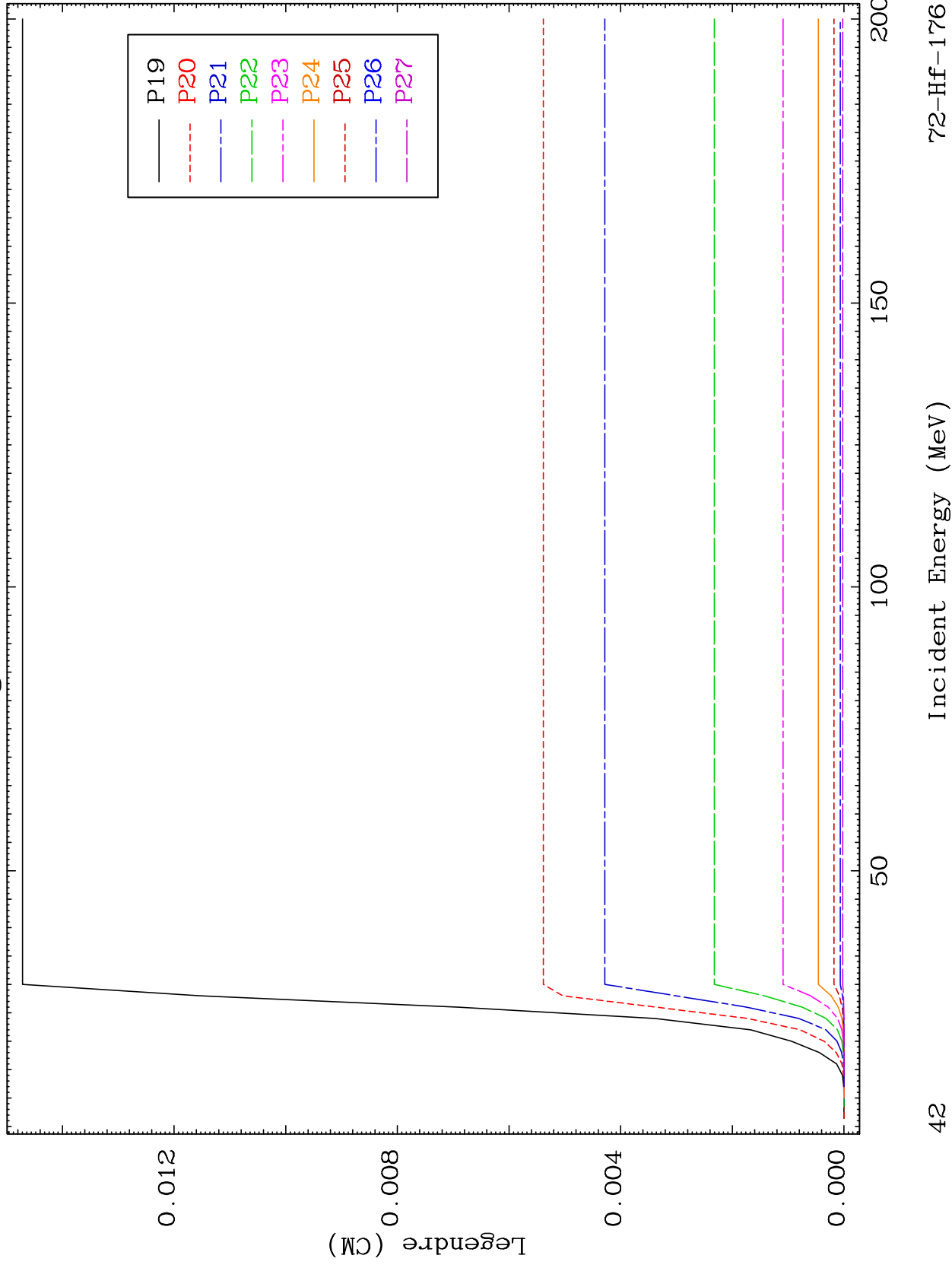
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



42

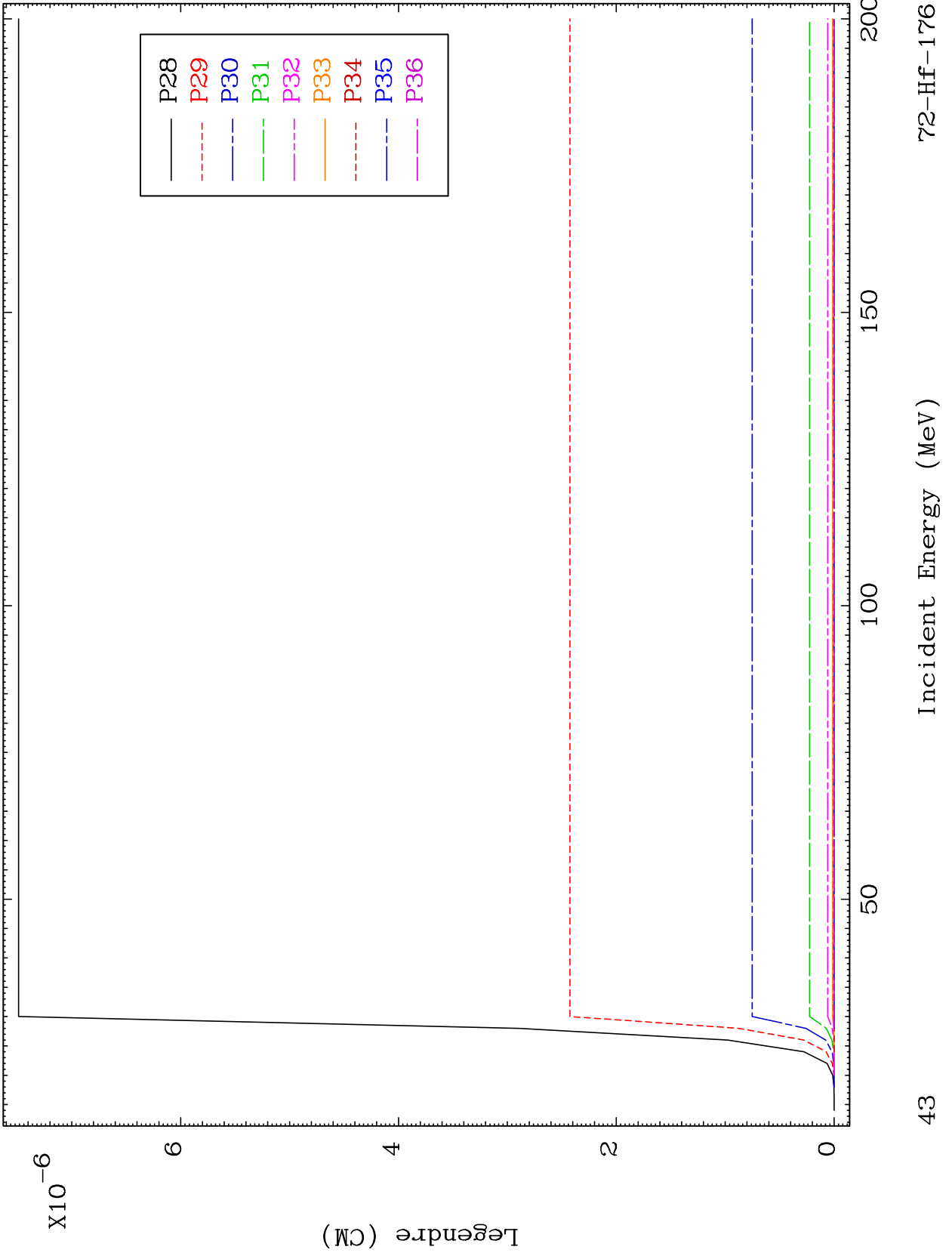
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

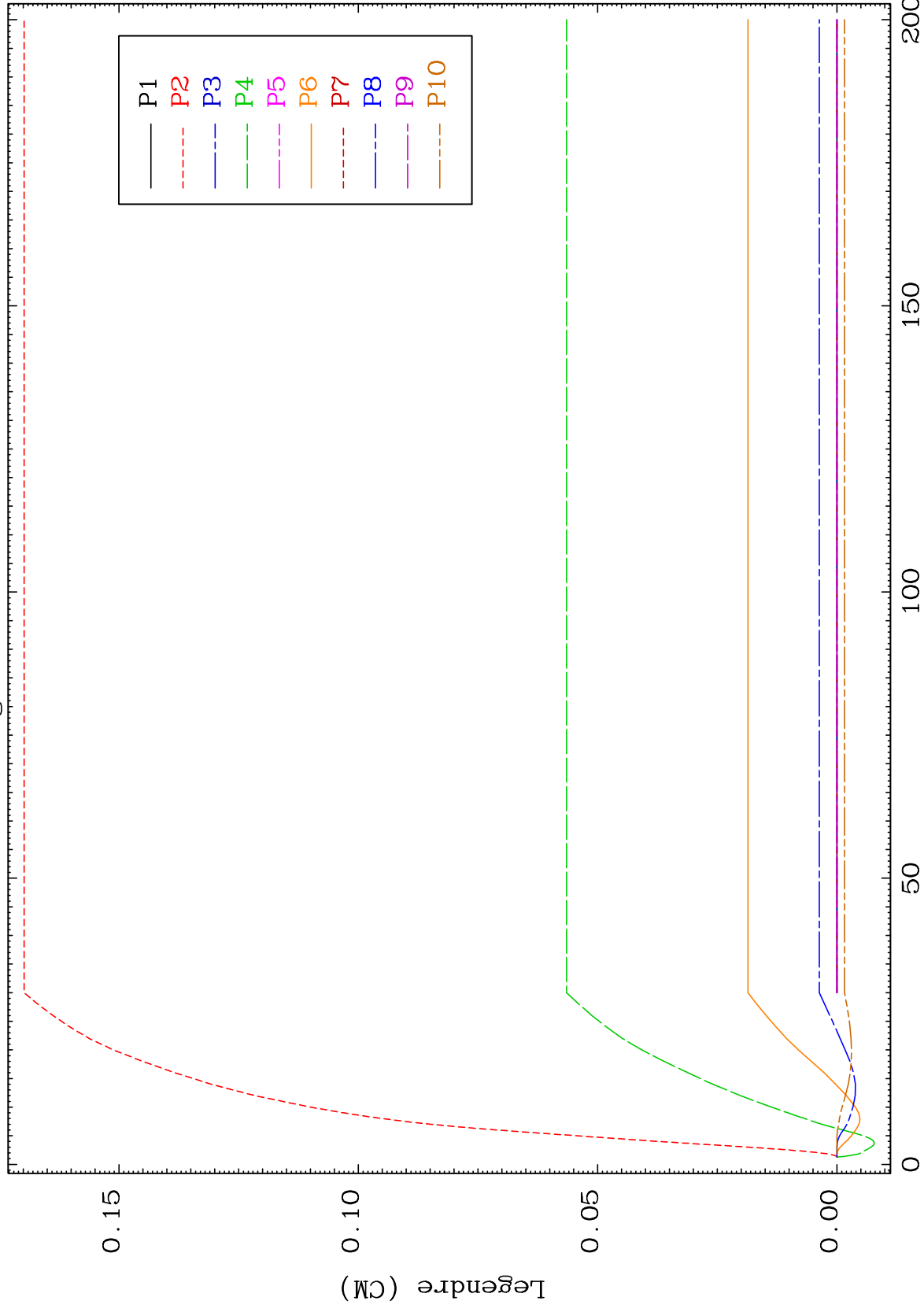
72-Hf-176



MAT 7231

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

72-Hf-176

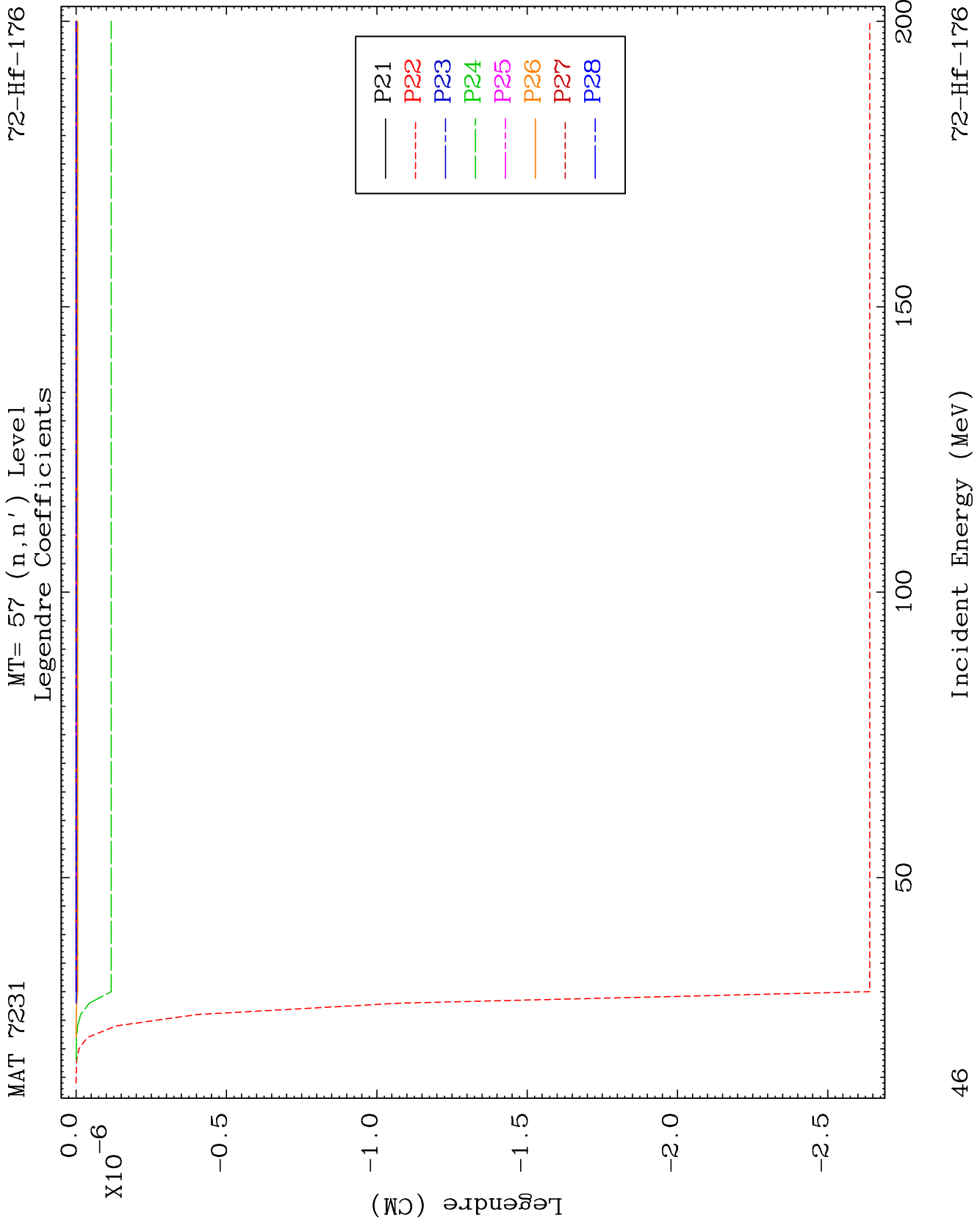


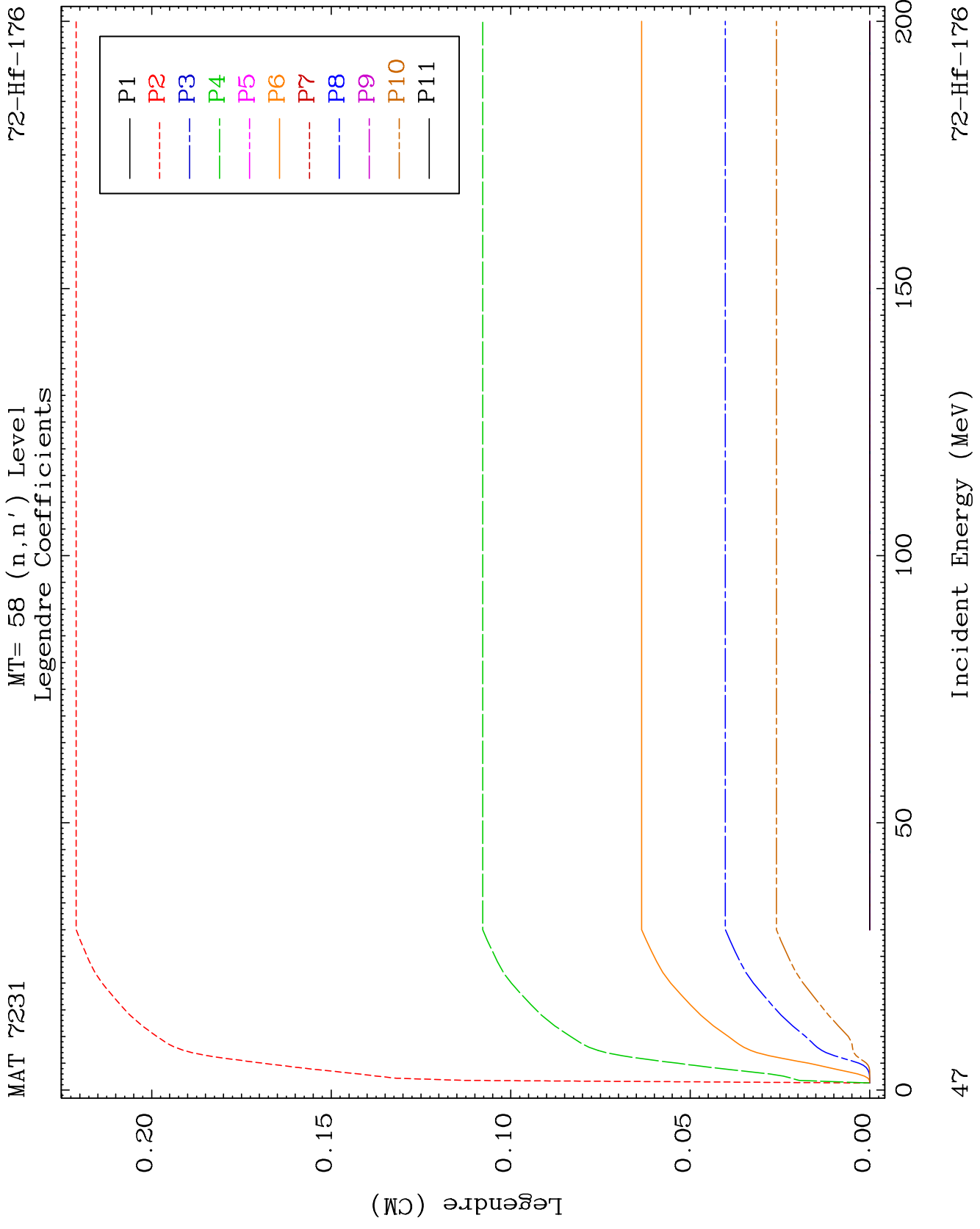
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Incident Energy (MeV)

72-Hf-176





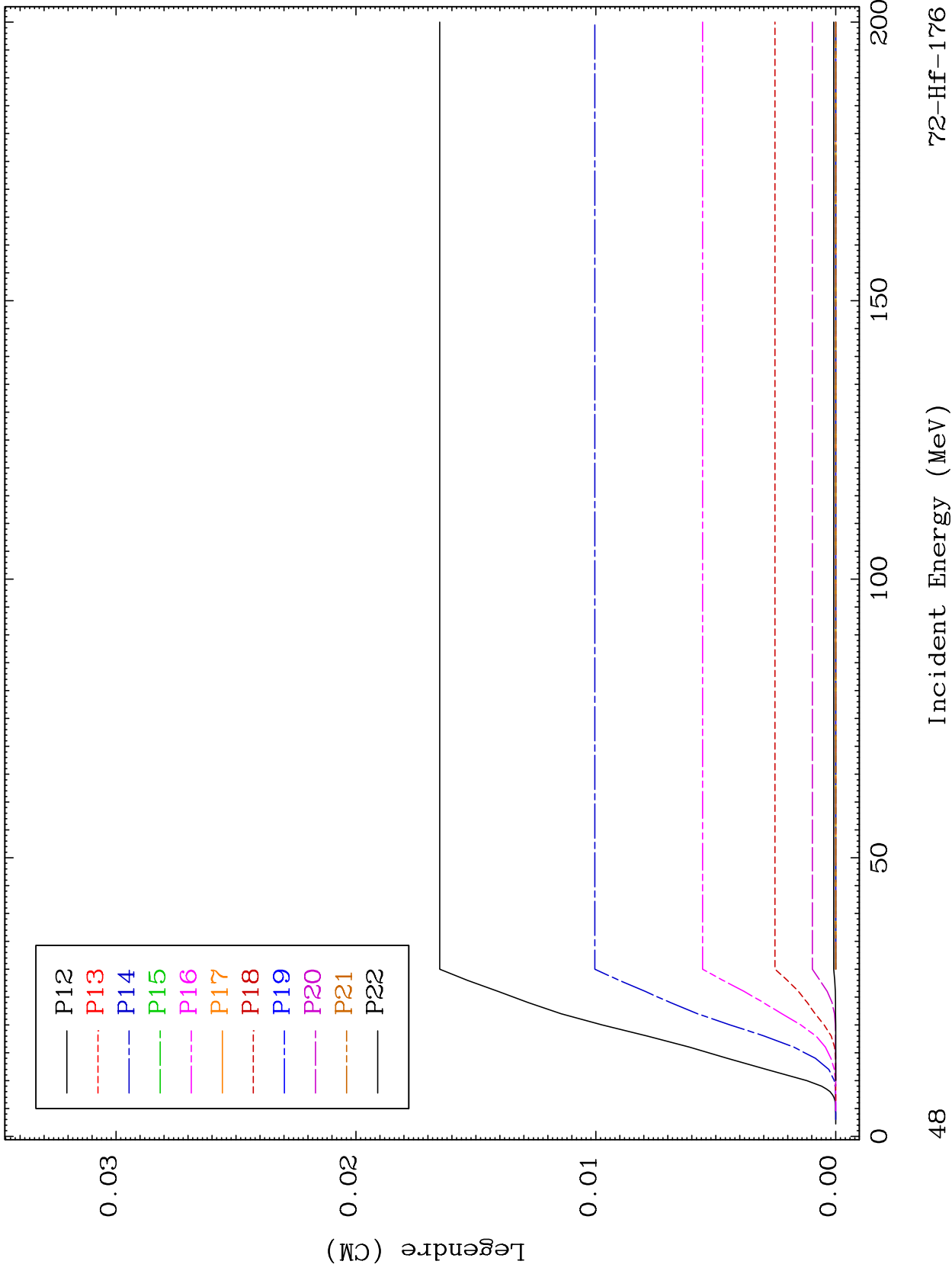




MAT 7231

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

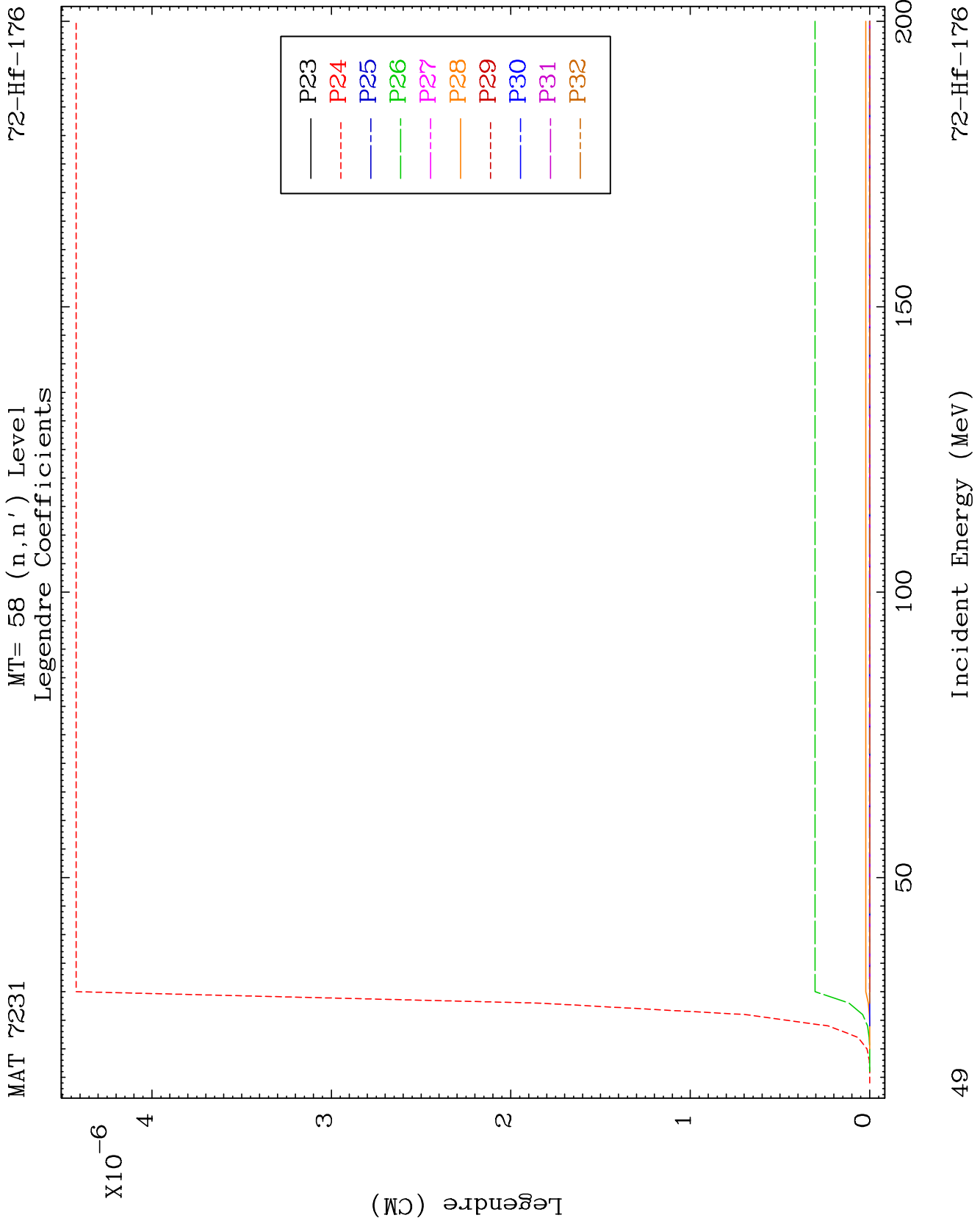
72-Hf-176



48

Incident Energy (MeV)

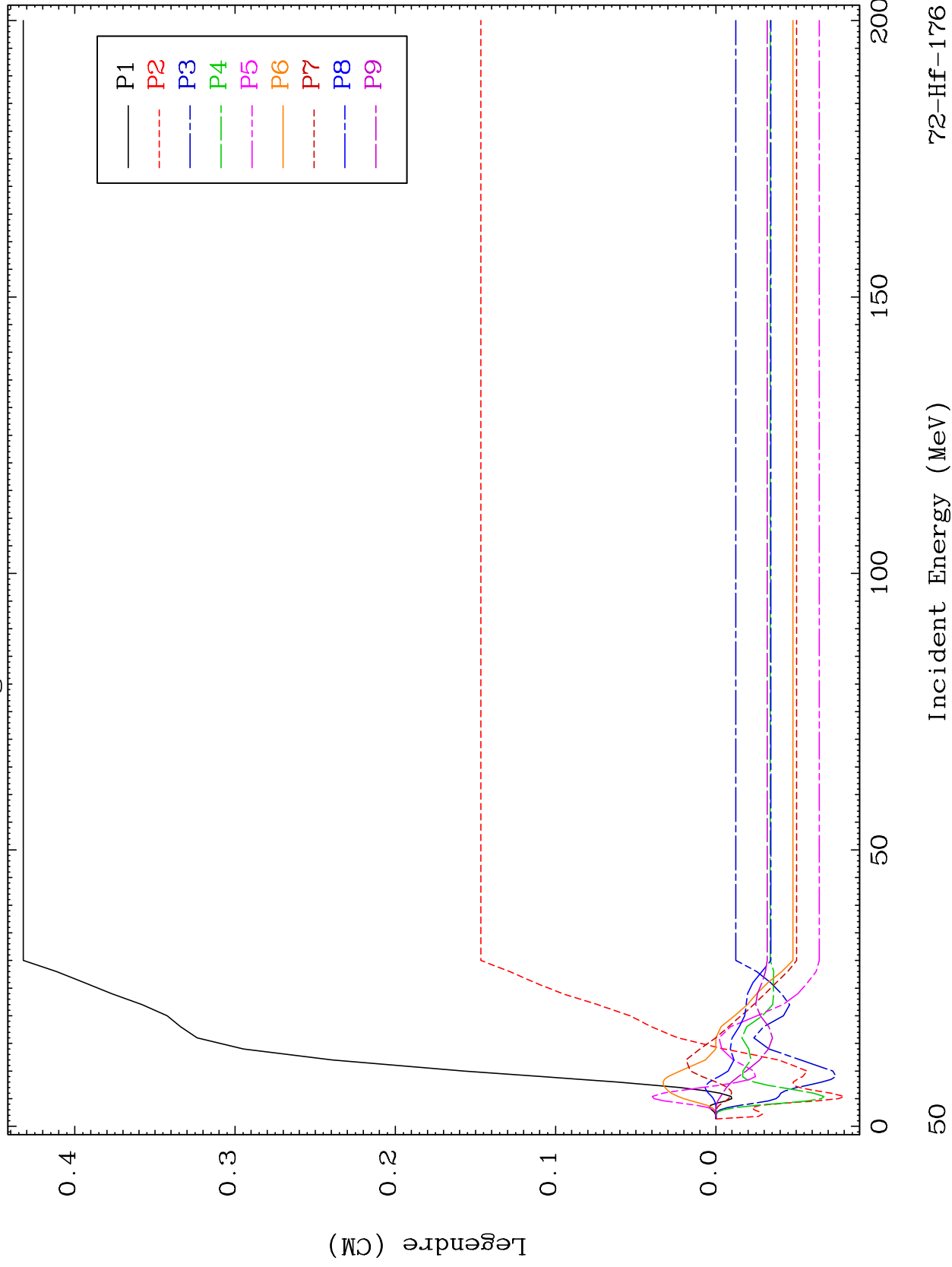
72-Hf-176



MAT 7231

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

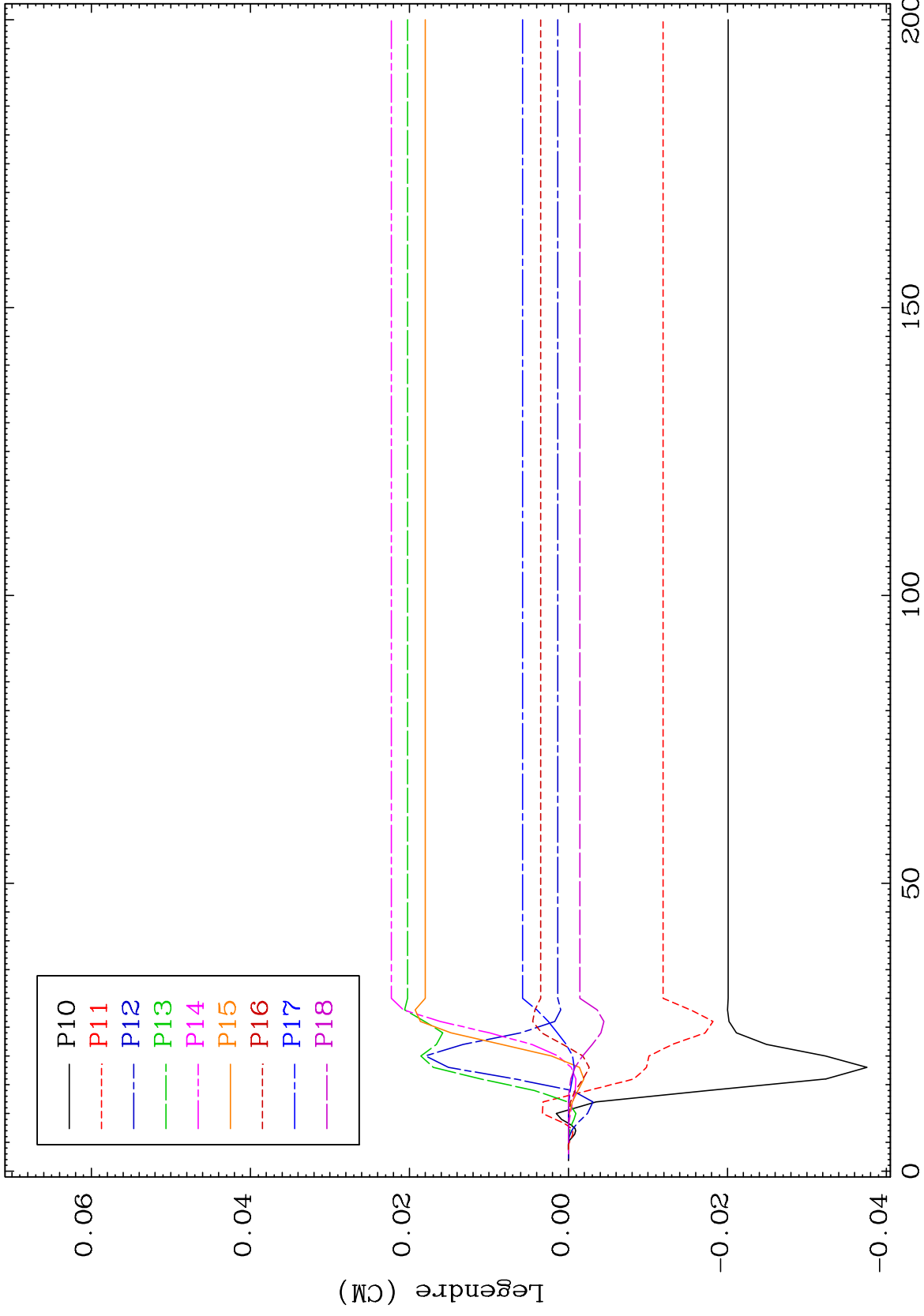
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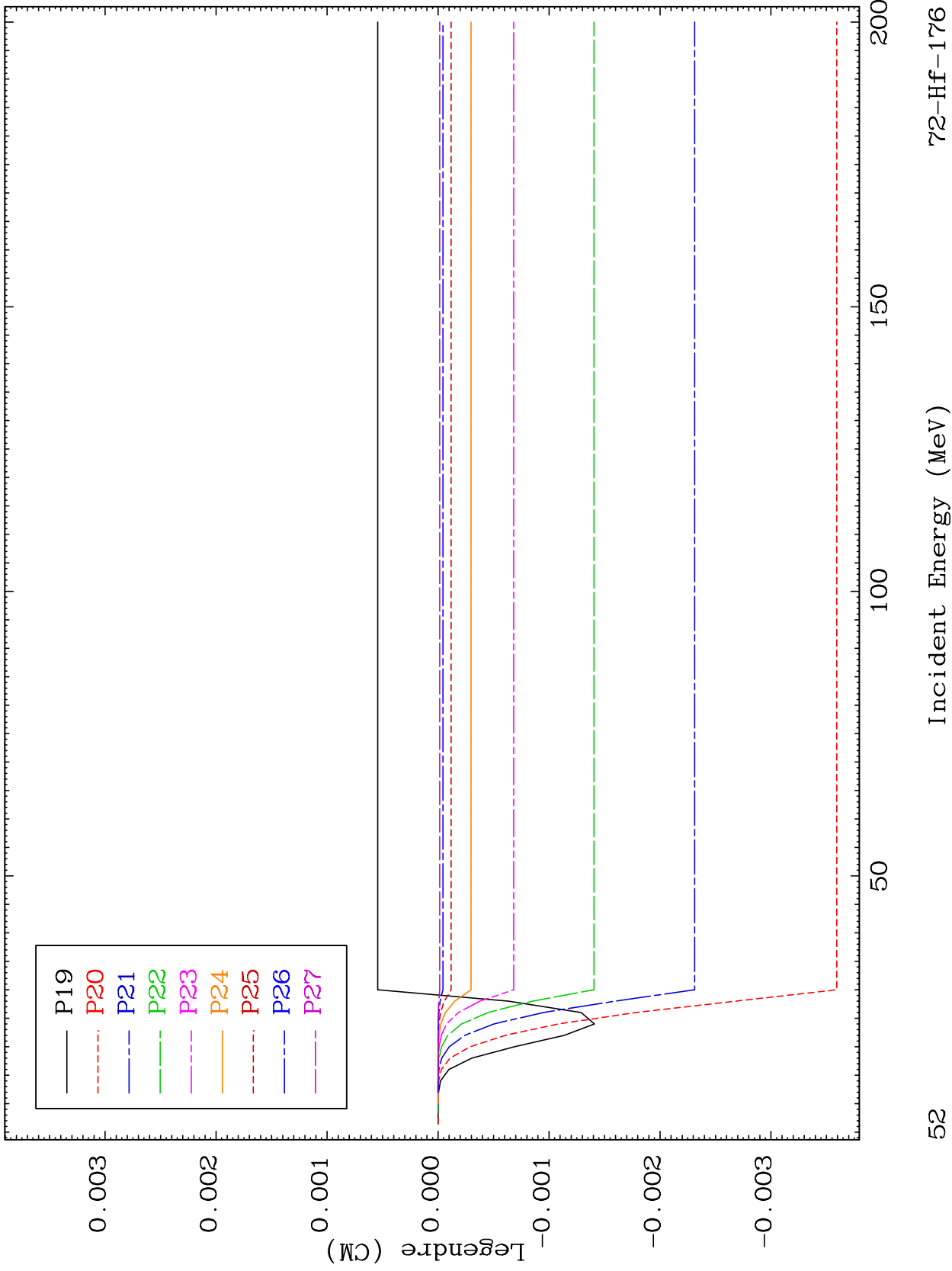


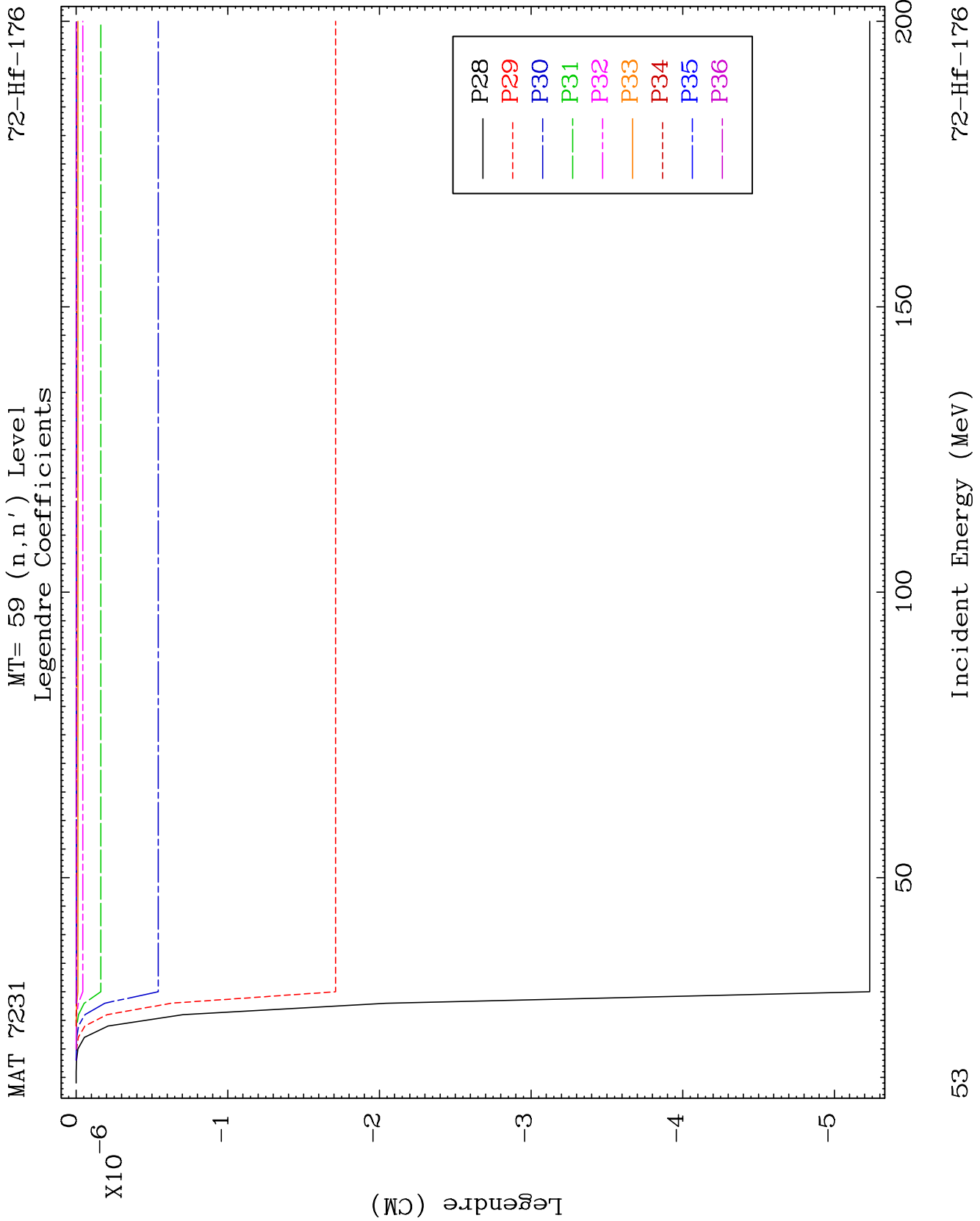
72-Hf-176

Incident Energy (MeV)

50



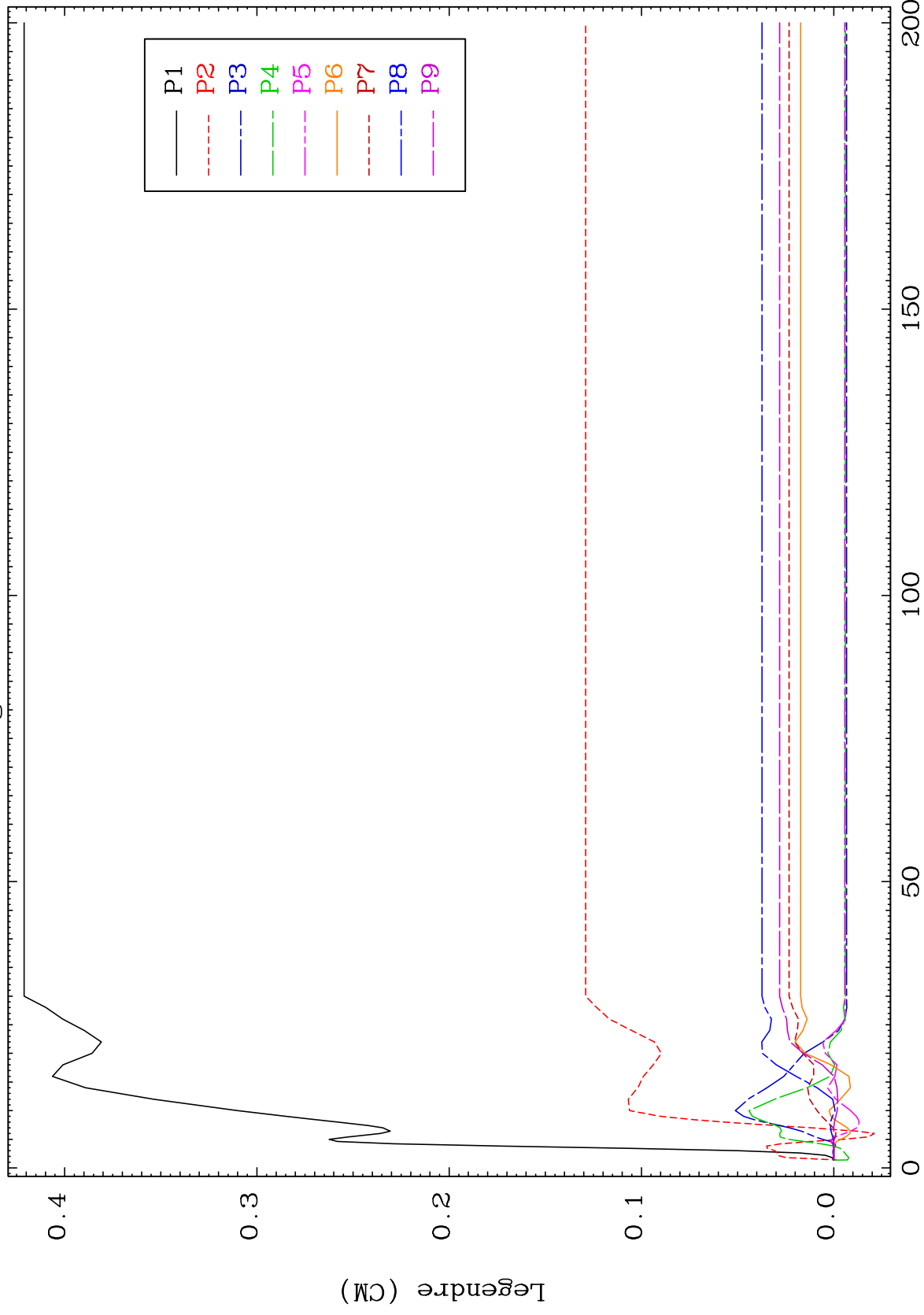




MAT 7231

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

72-Hf-176



54

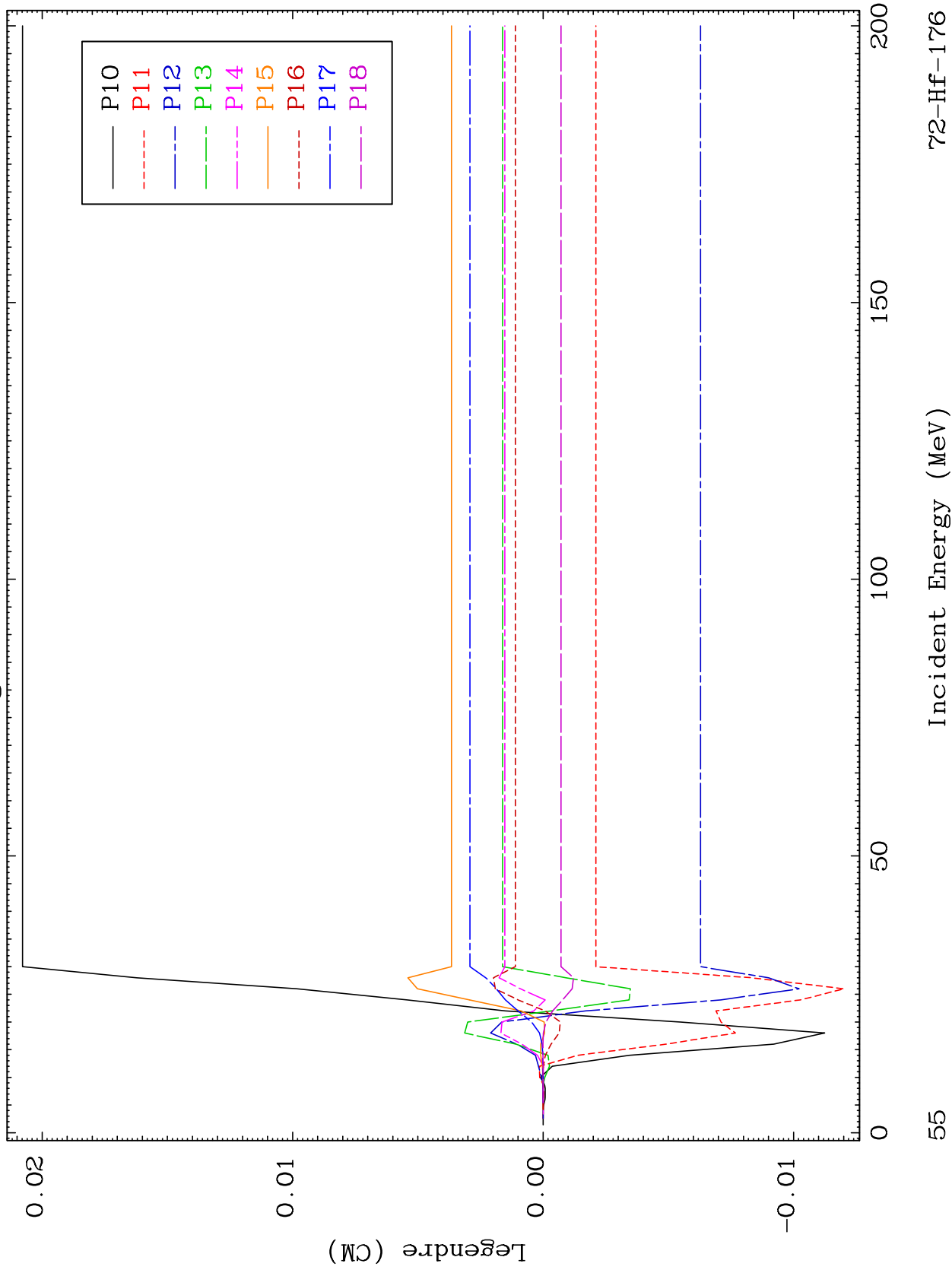
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176

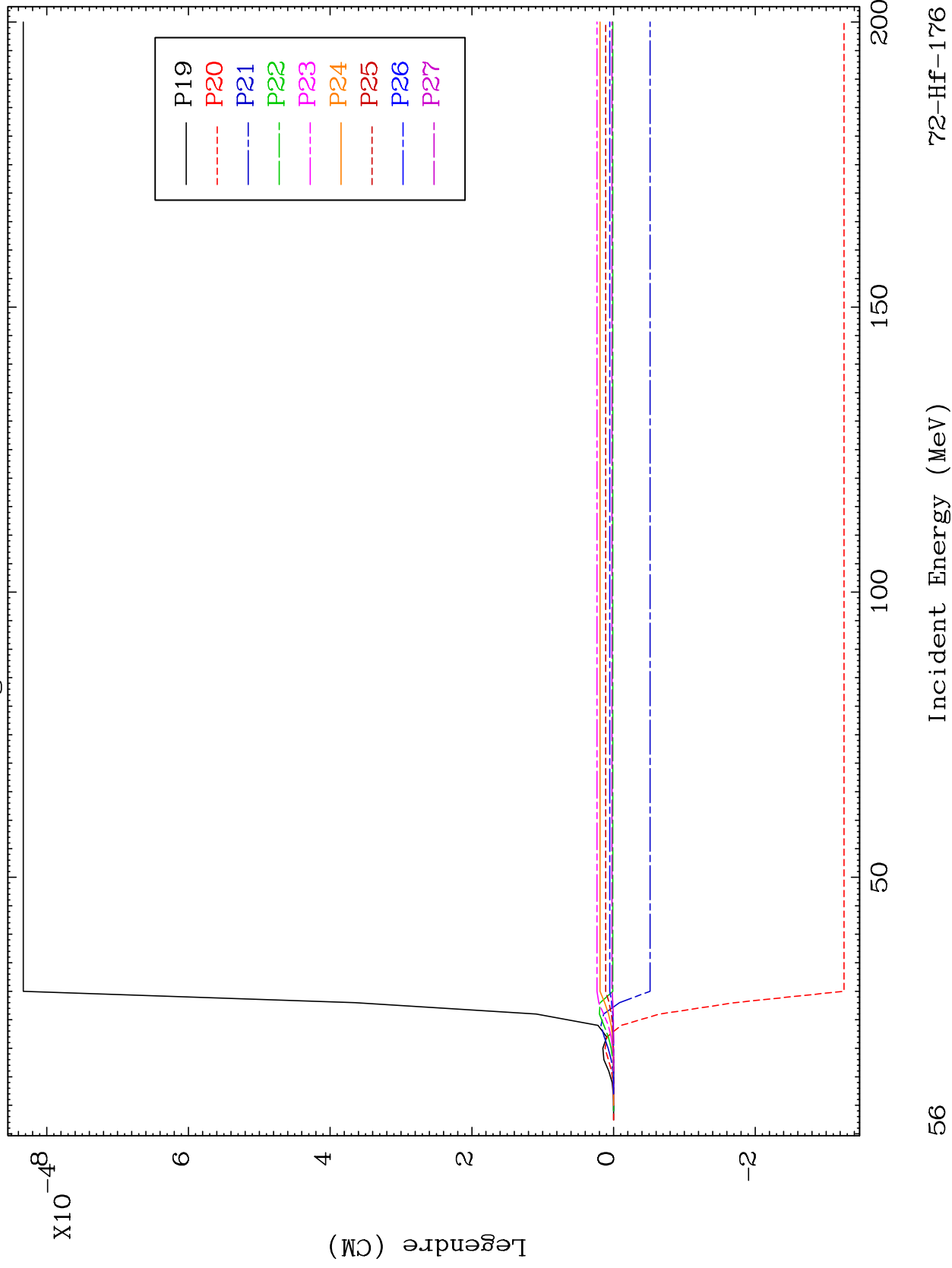


72-Hf-176

Incident Energy (MeV)

55

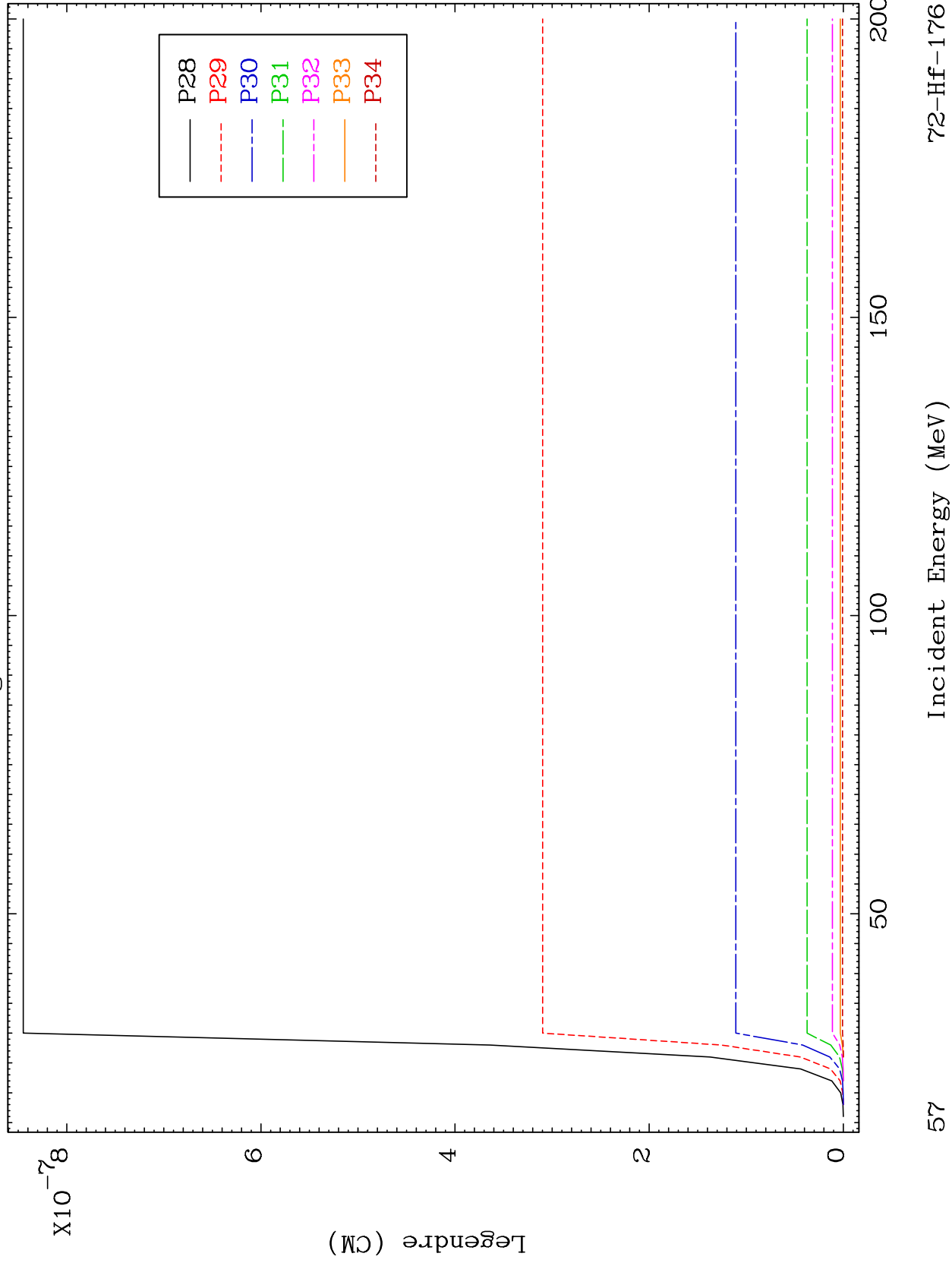




MAT 7231

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

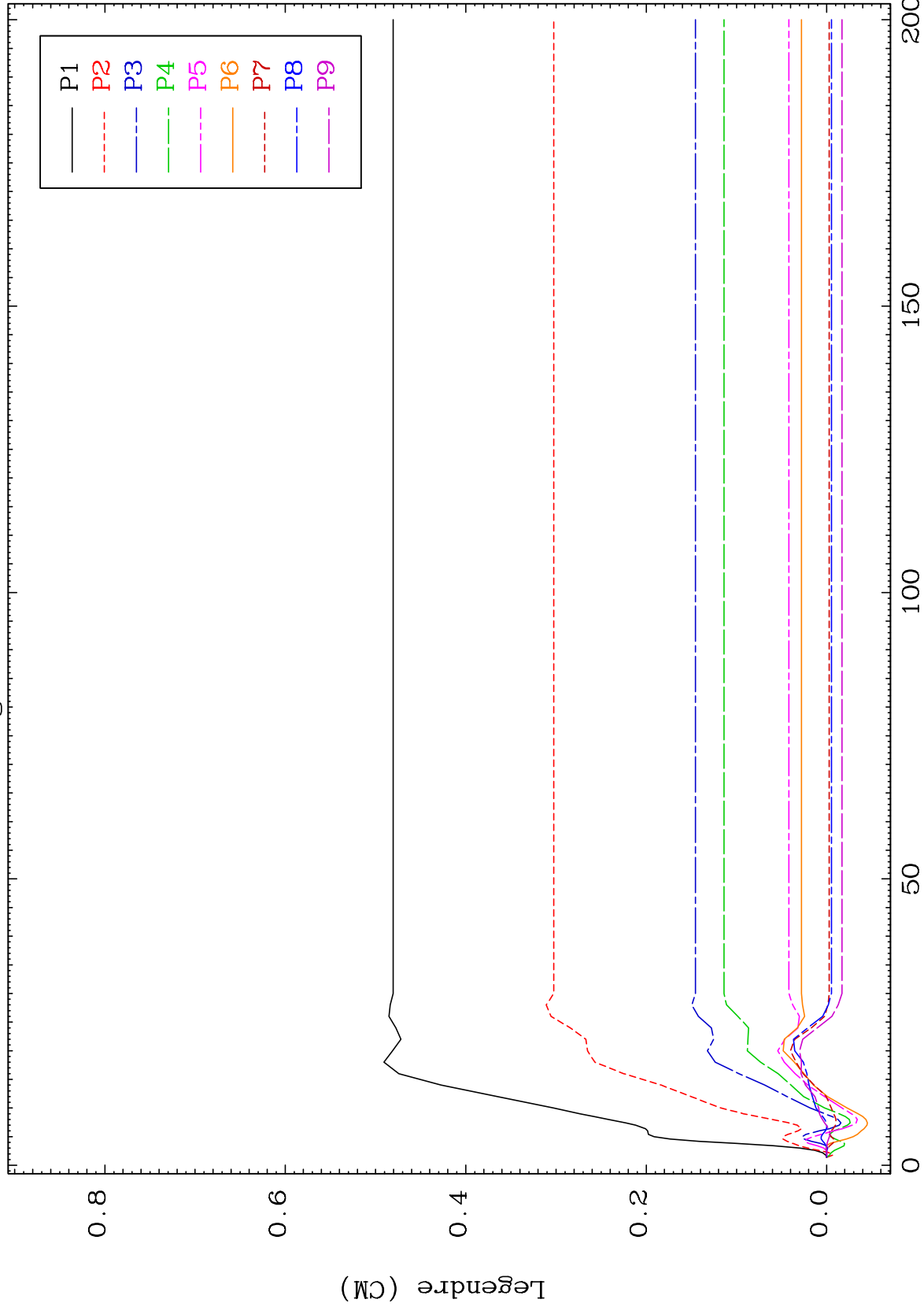
72-Hf-176



MAT 7231

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

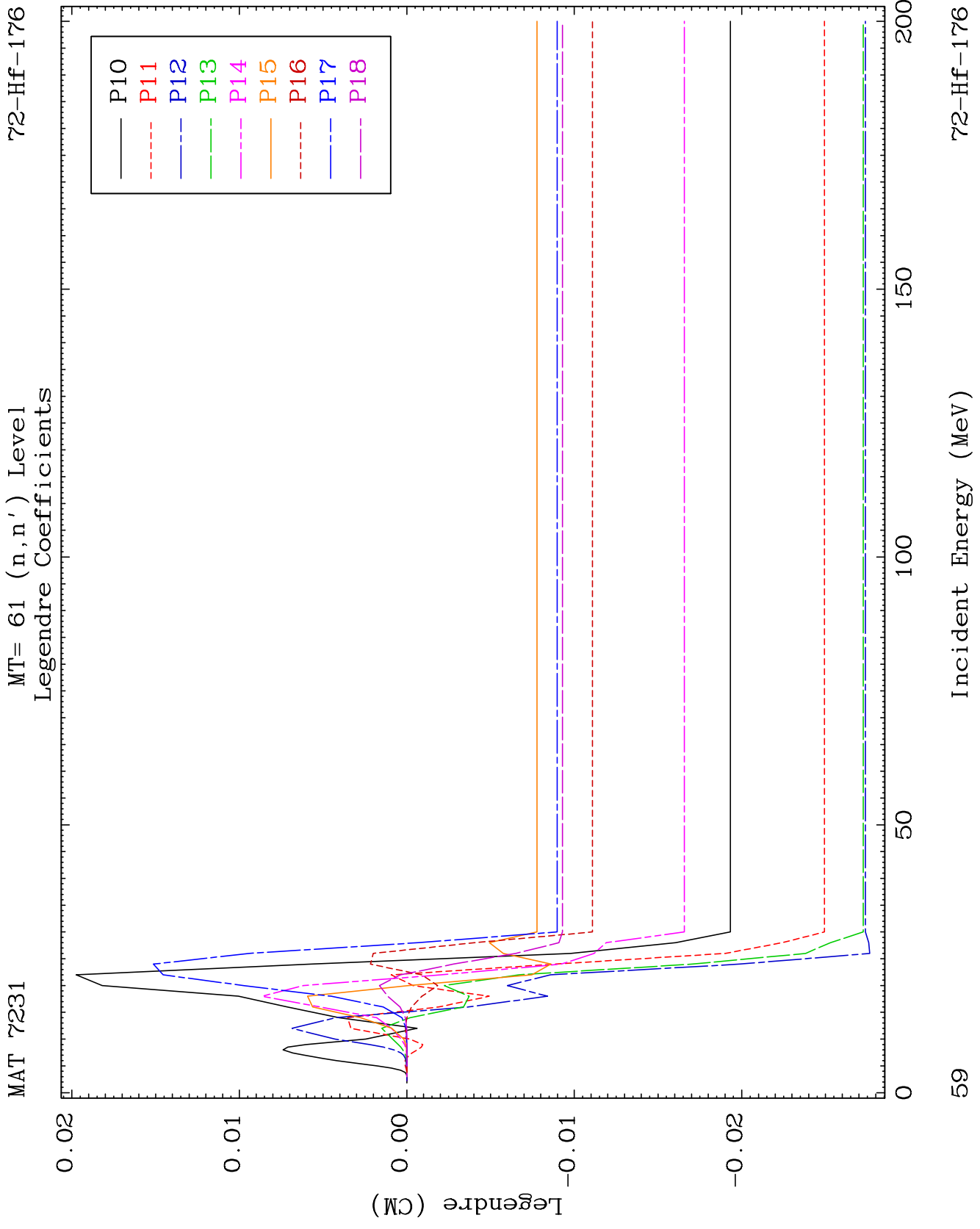
72-Hf-176



Incident Energy (MeV)

72-Hf-176

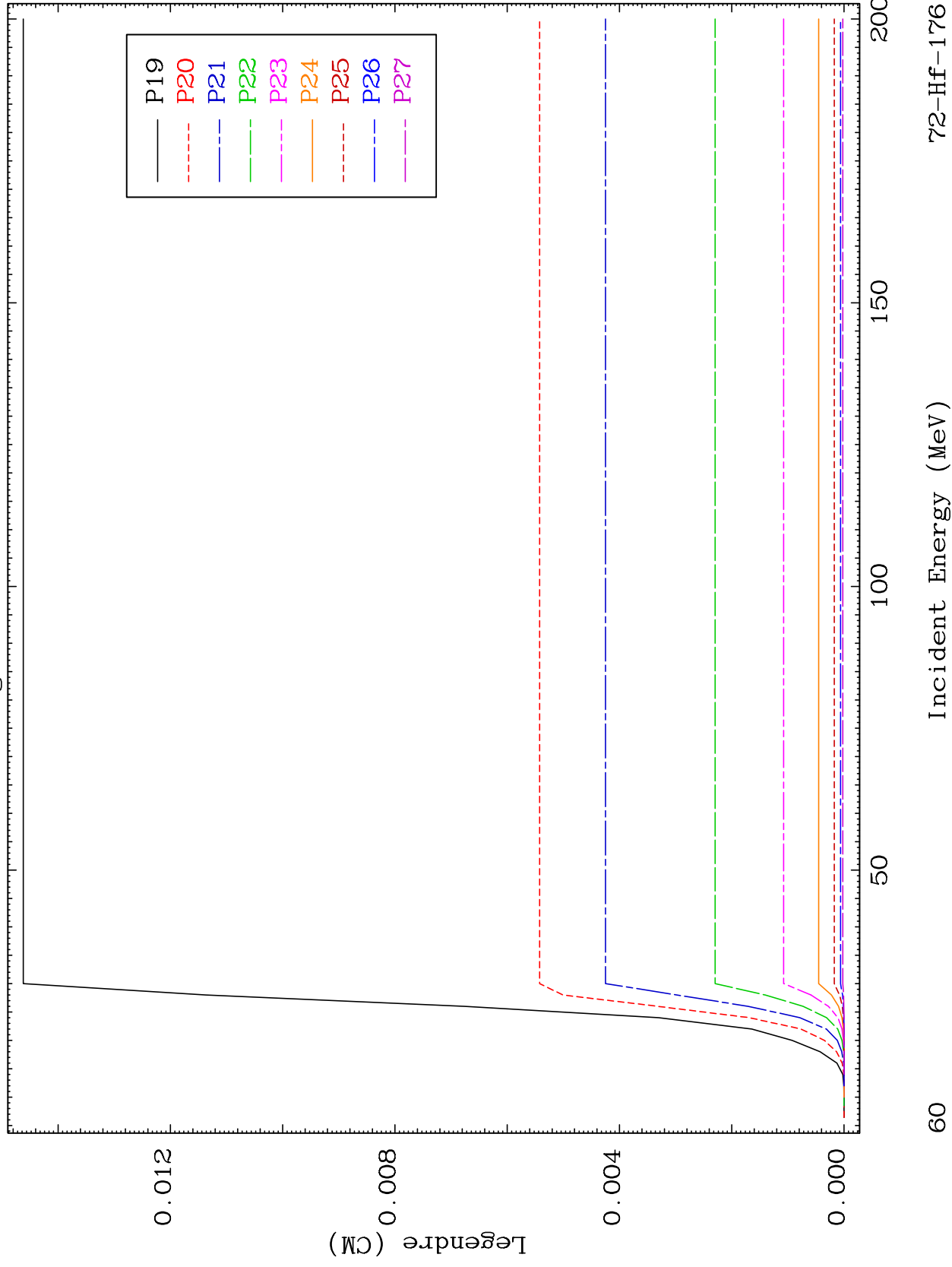
58



MAT 7231

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

72-Hf-176



72-Hf-176

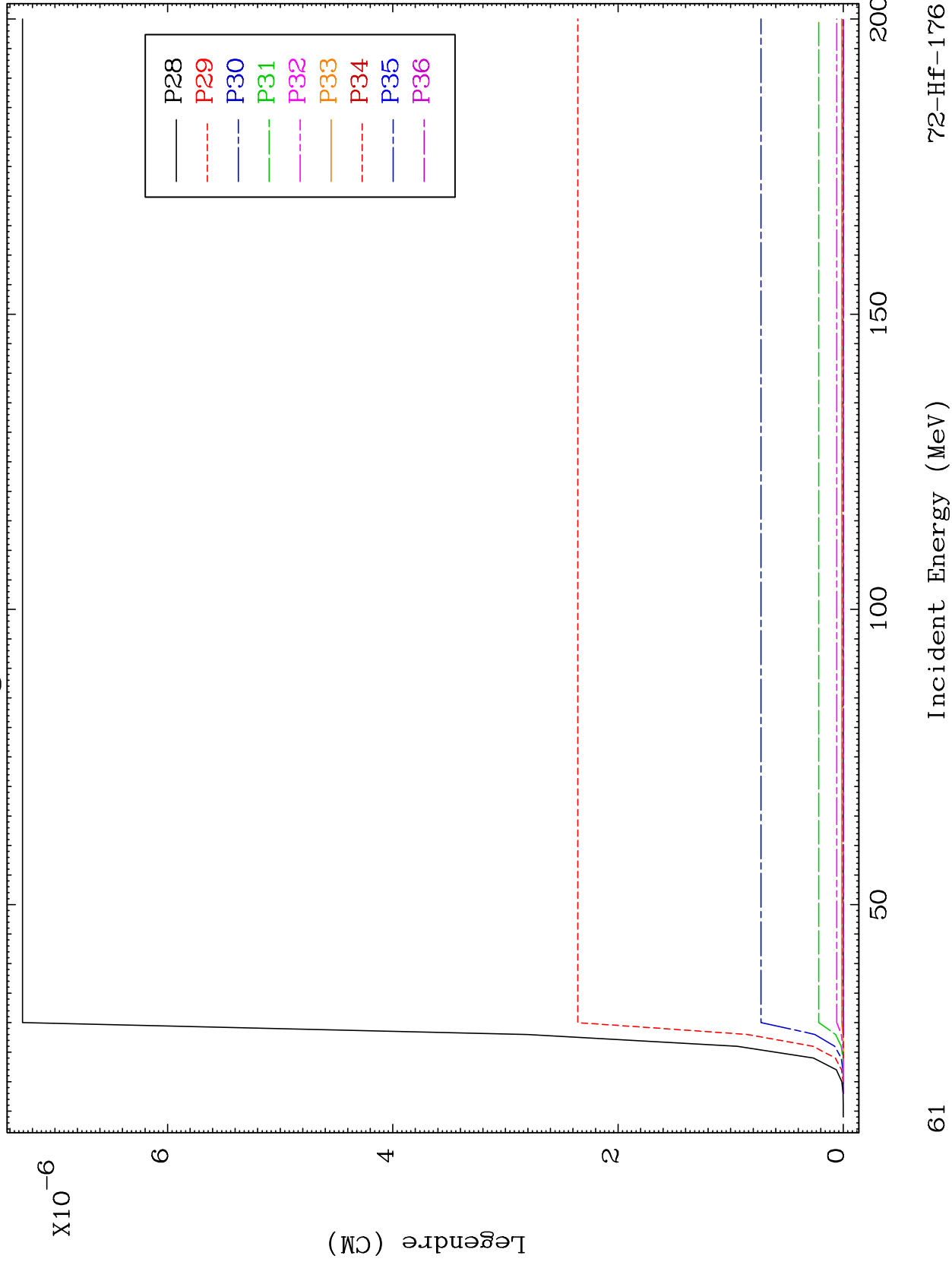
Incident Energy (MeV)

60

MAT 7231

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

72-Hf-176



61

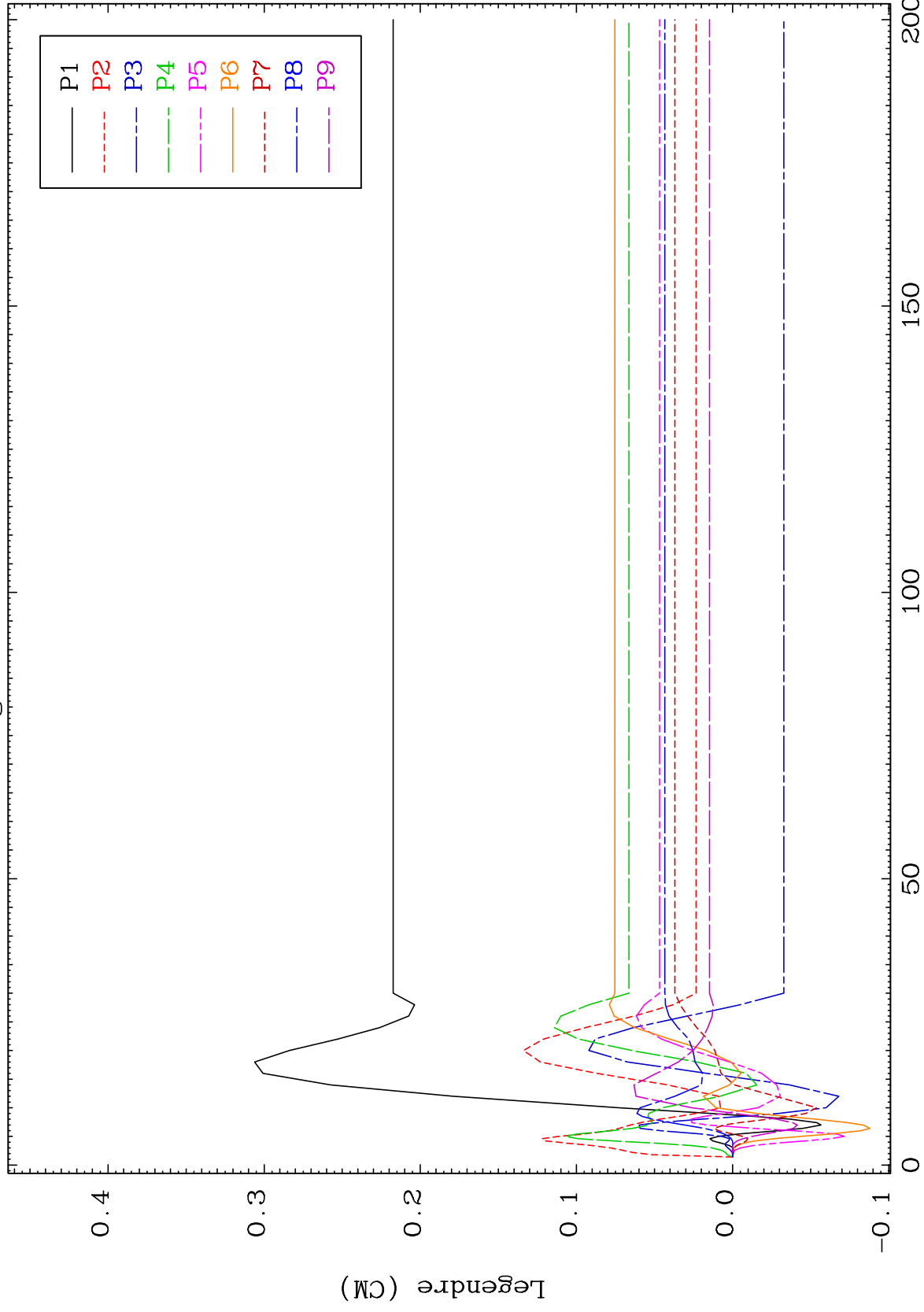
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



72-Hf-176

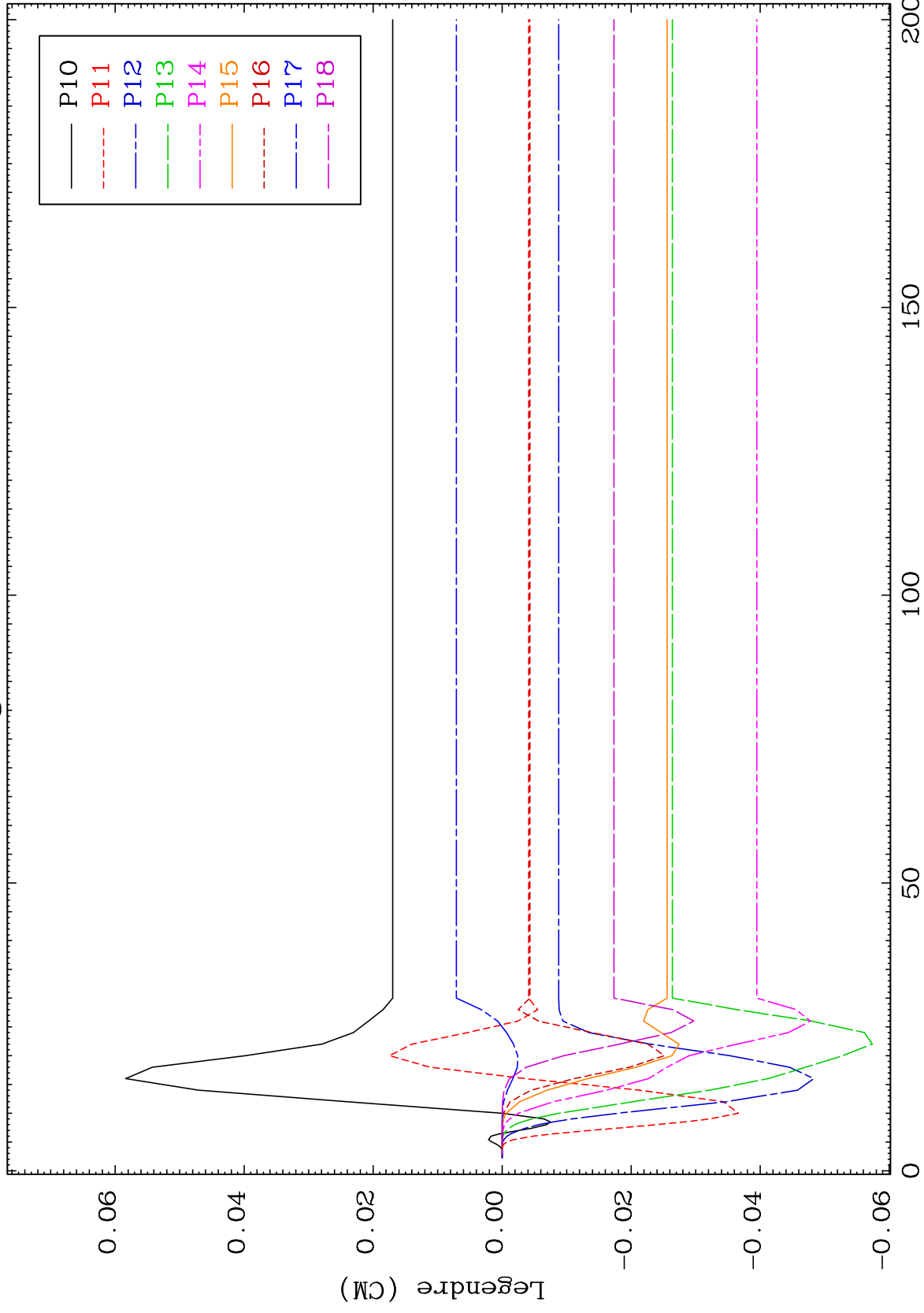
Incident Energy (MeV)

62

MAT 7231

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

72-Hf-176



63

Incident Energy (MeV)

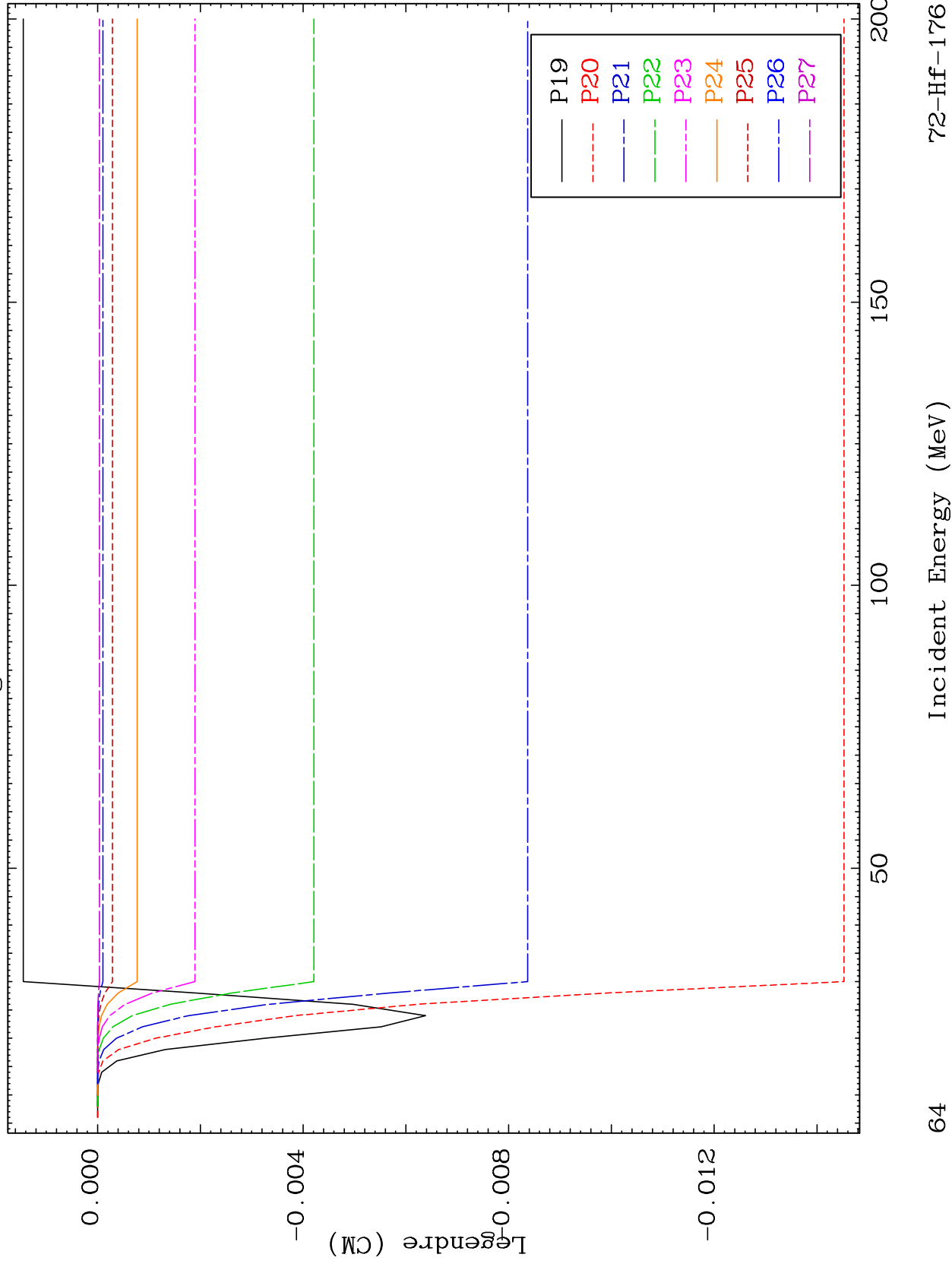
72-Hf-176



MAT 7231

72-Hf-176

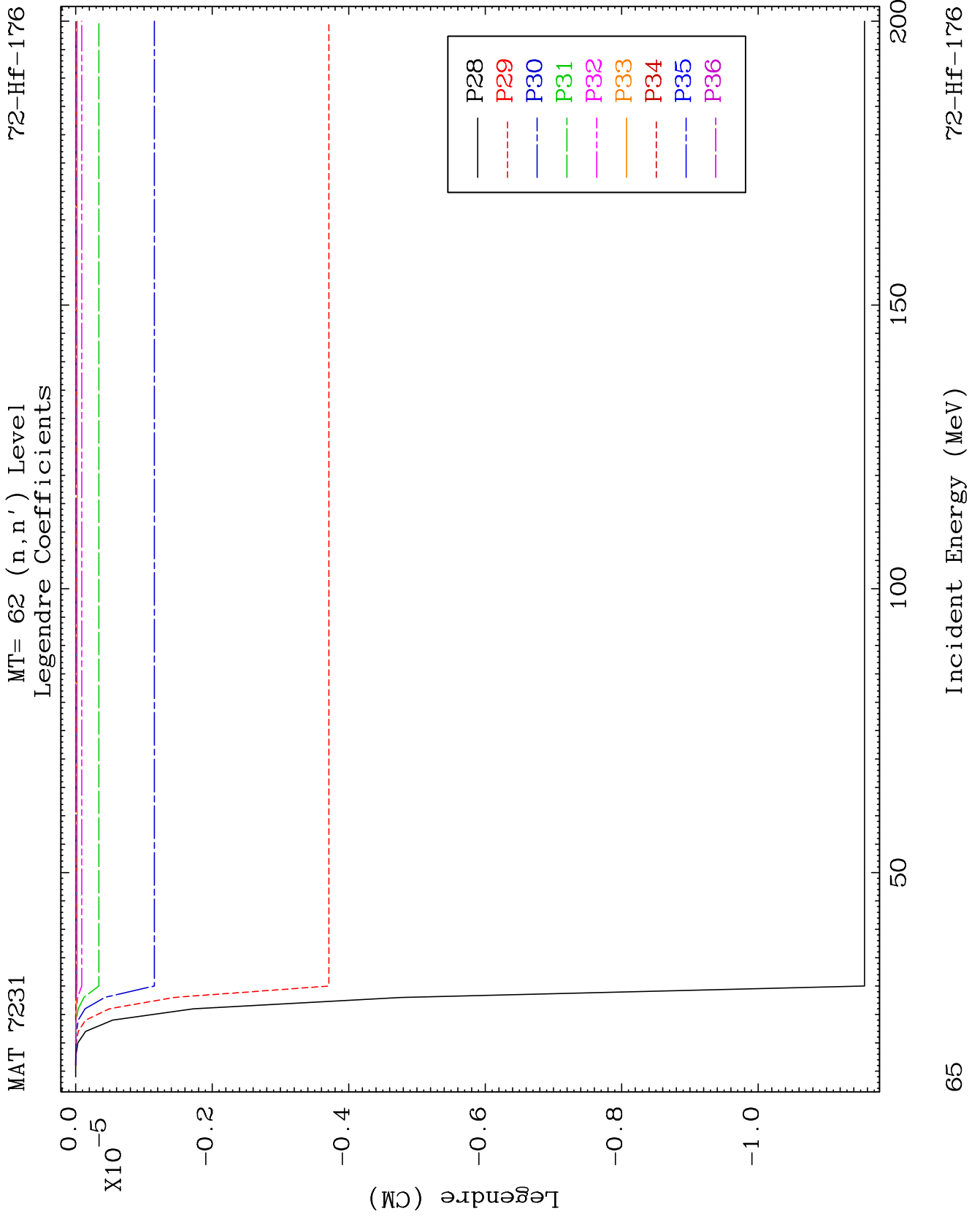
MT= 62 (n,n') Level  
Legendre Coefficients



64

Incident Energy (MeV)

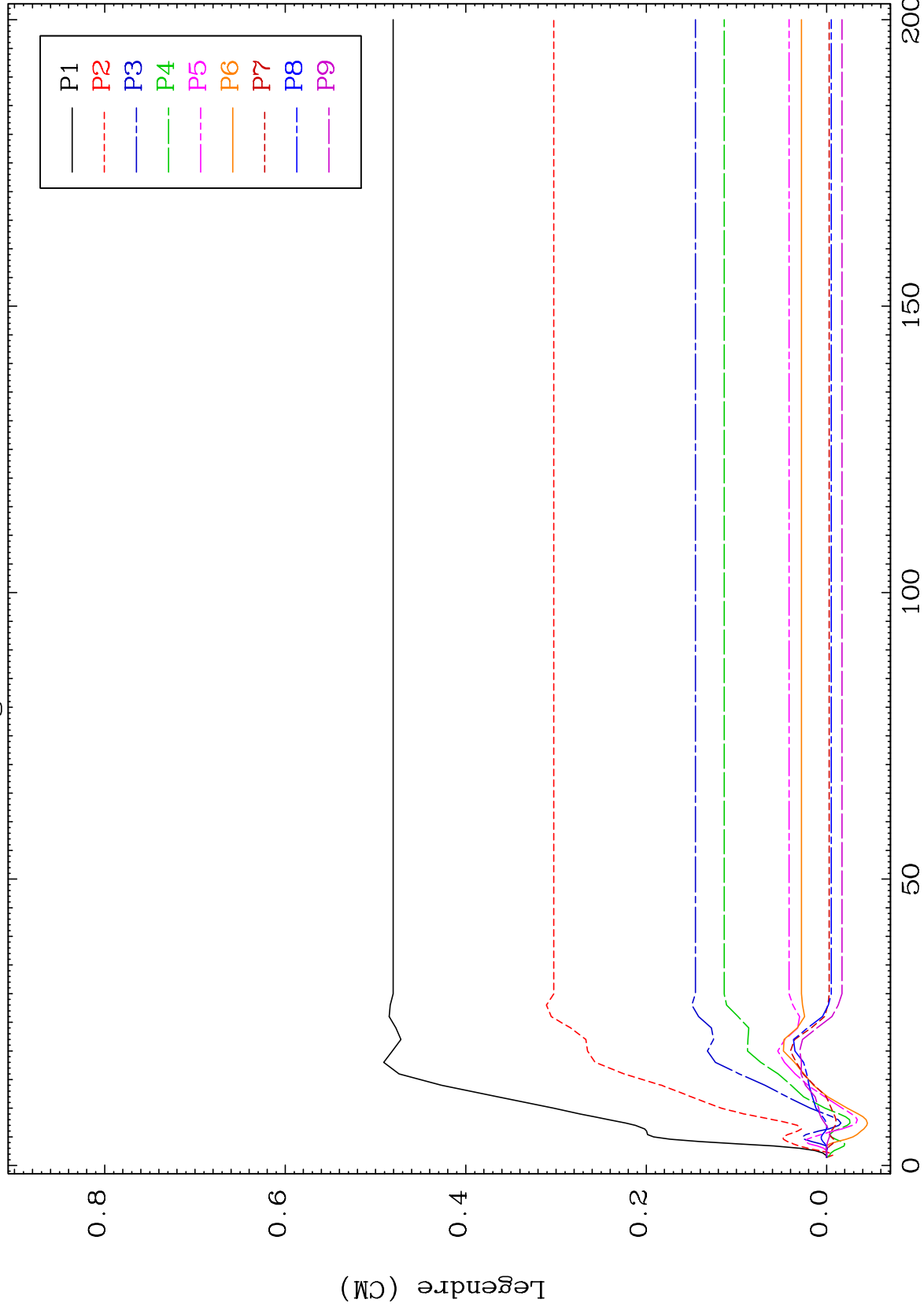
72-Hf-176



MAT 7231

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

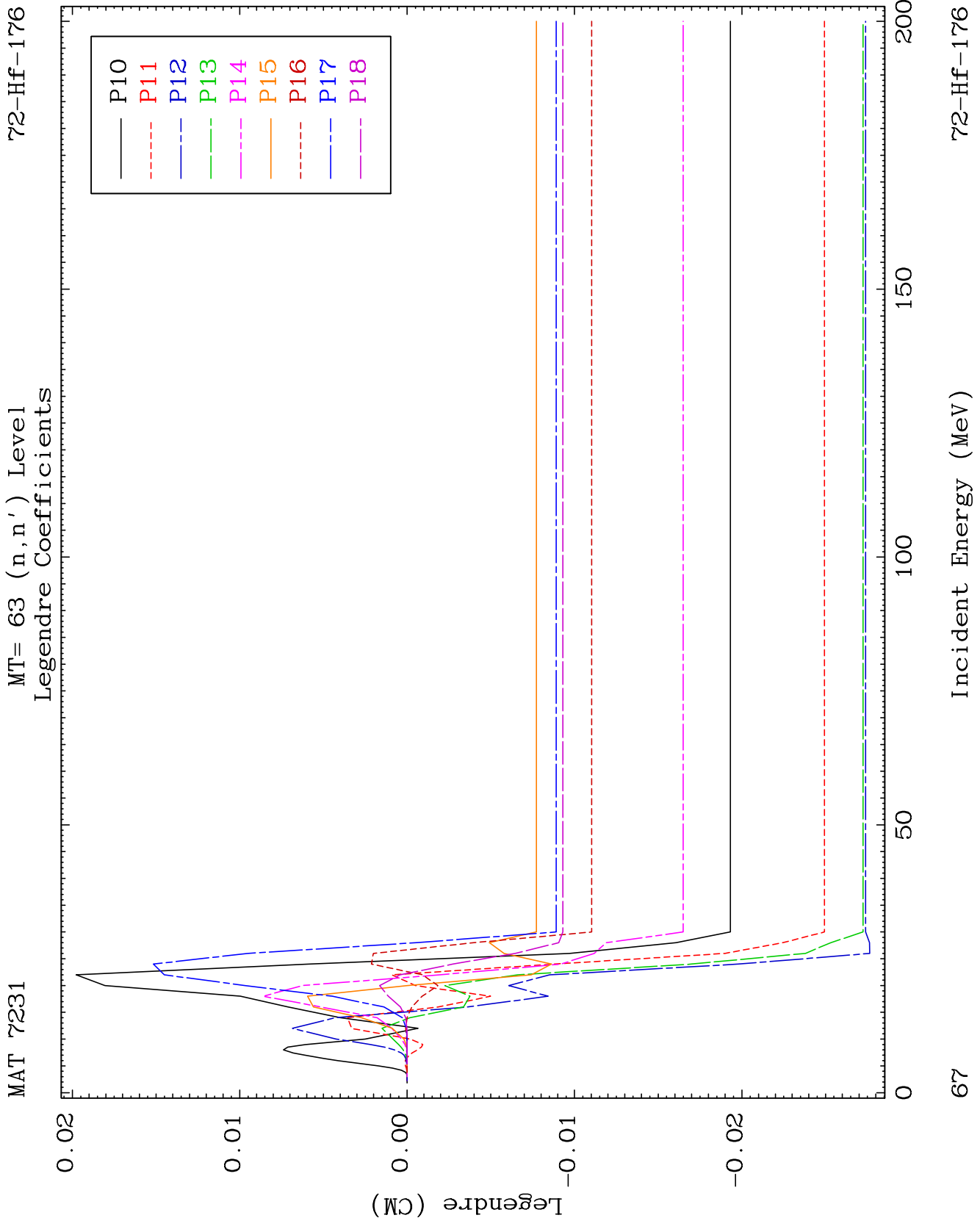
72-Hf-176



66

Incident Energy (MeV)

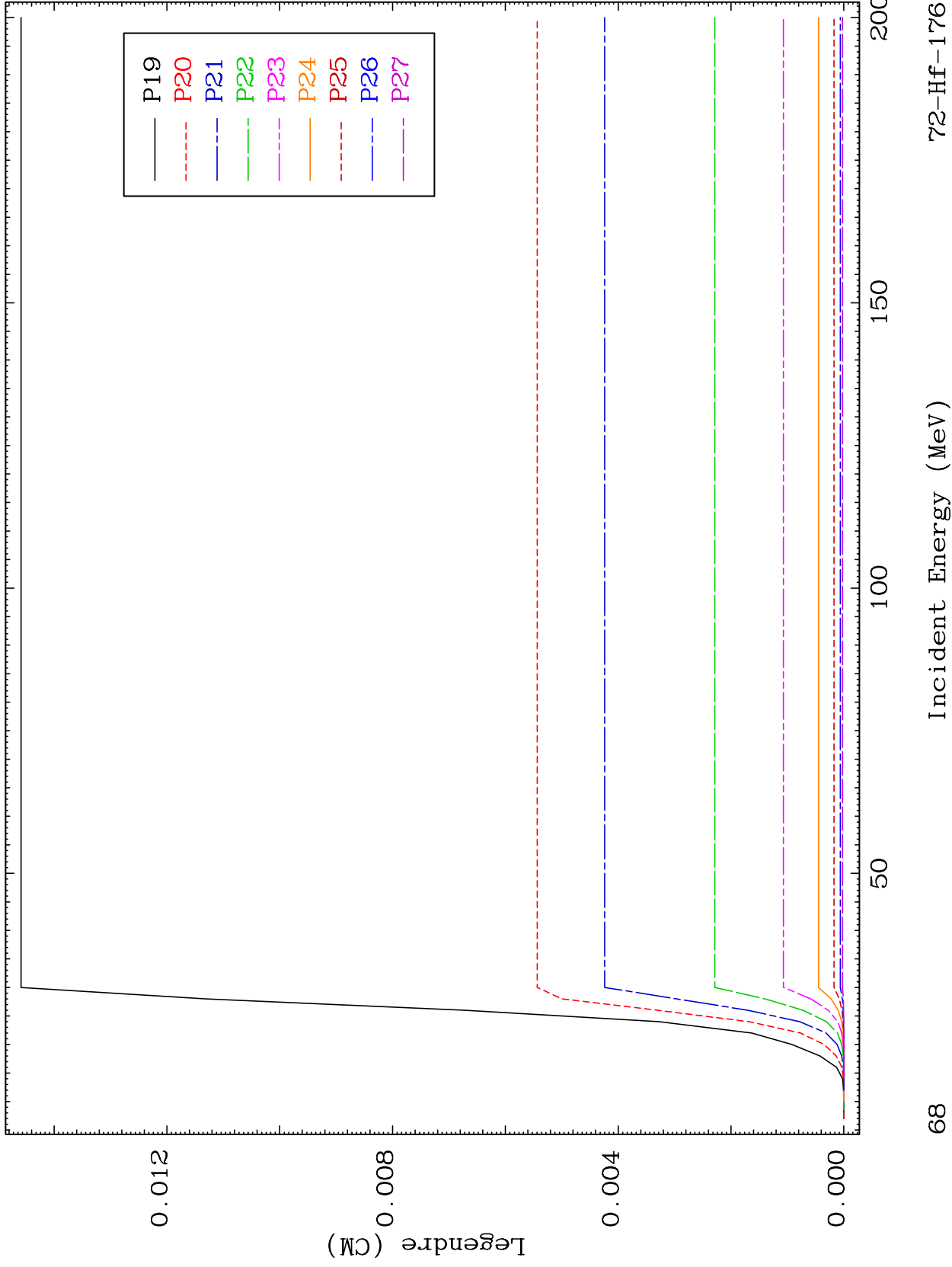
72-Hf-176



MAT 7231

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

72-Hf-176



68

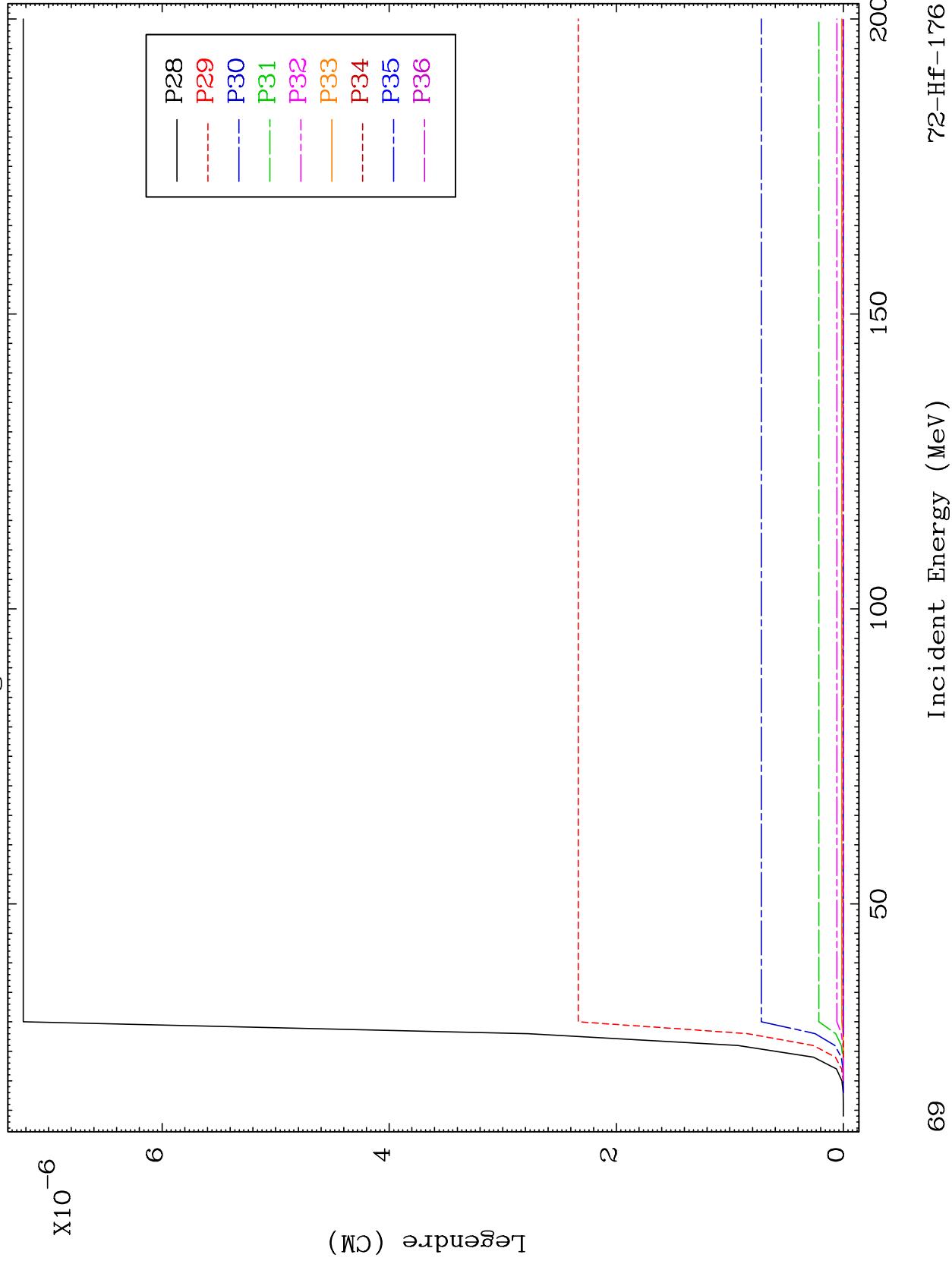
Incident Energy (MeV)

72-Hf-176

MAT 7231

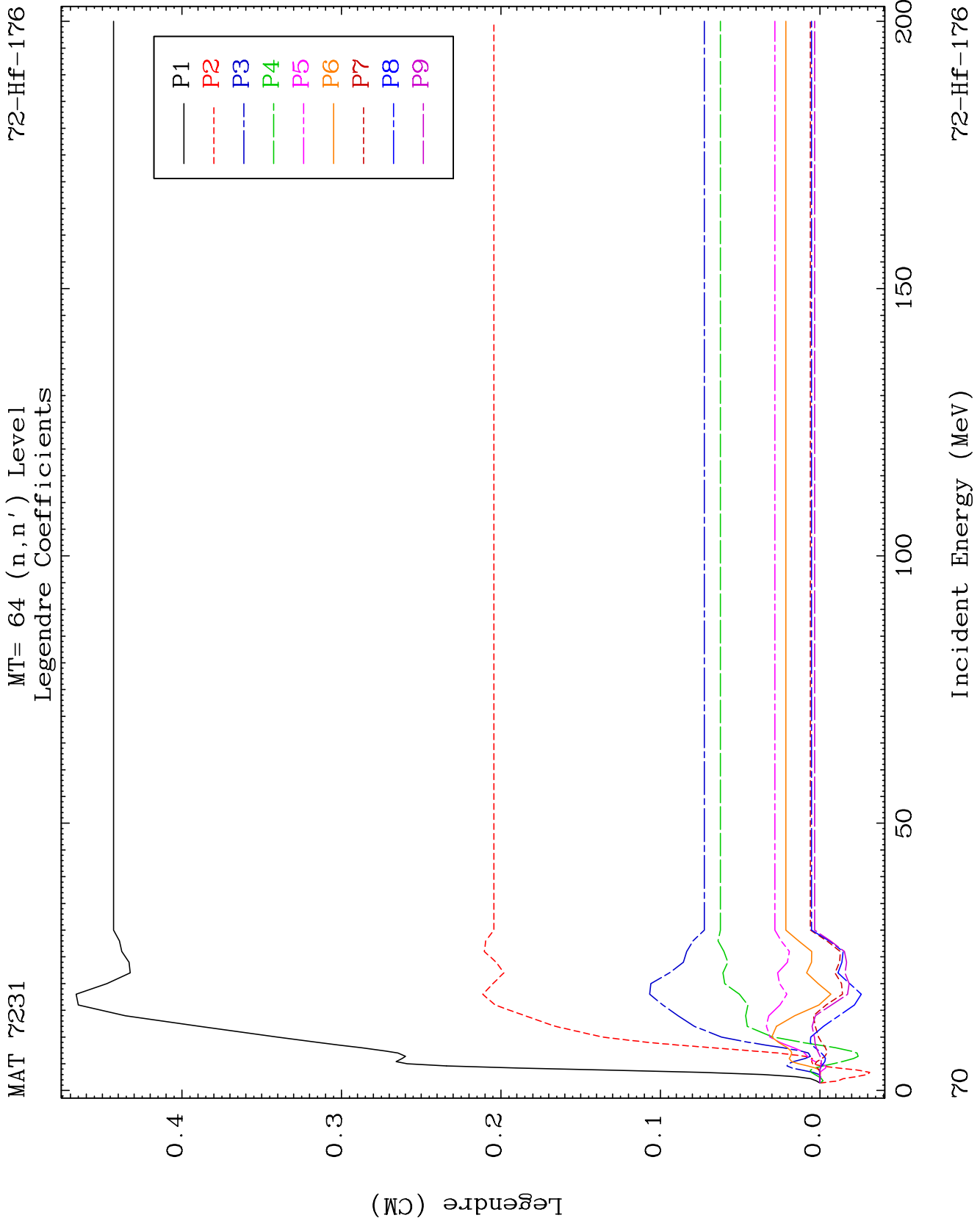
MT= 63 (n,n') Level  
Legendre Coefficients

72-Hf-176



69

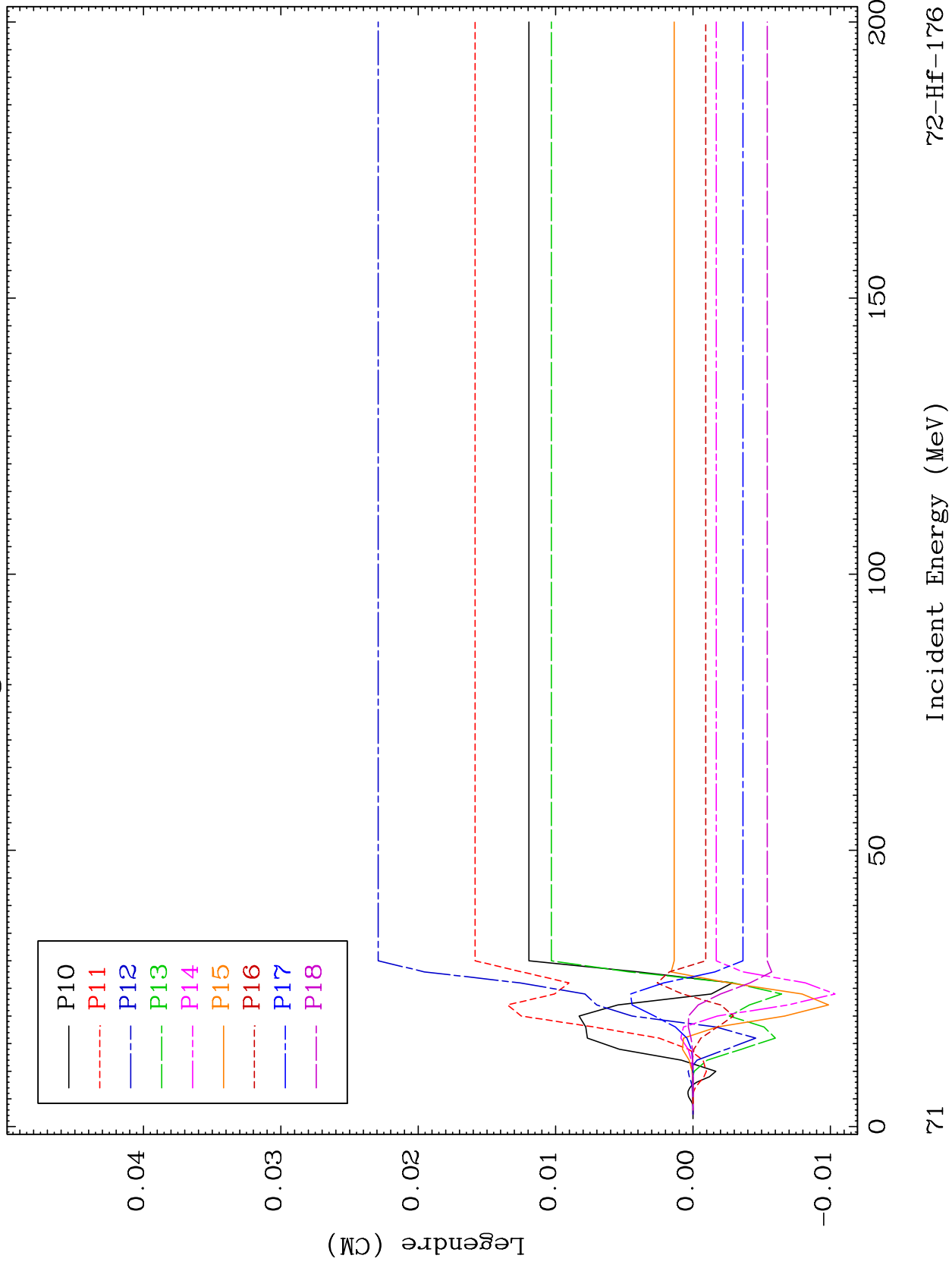
72-Hf-176



MAT 7231

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

72-Hf-176

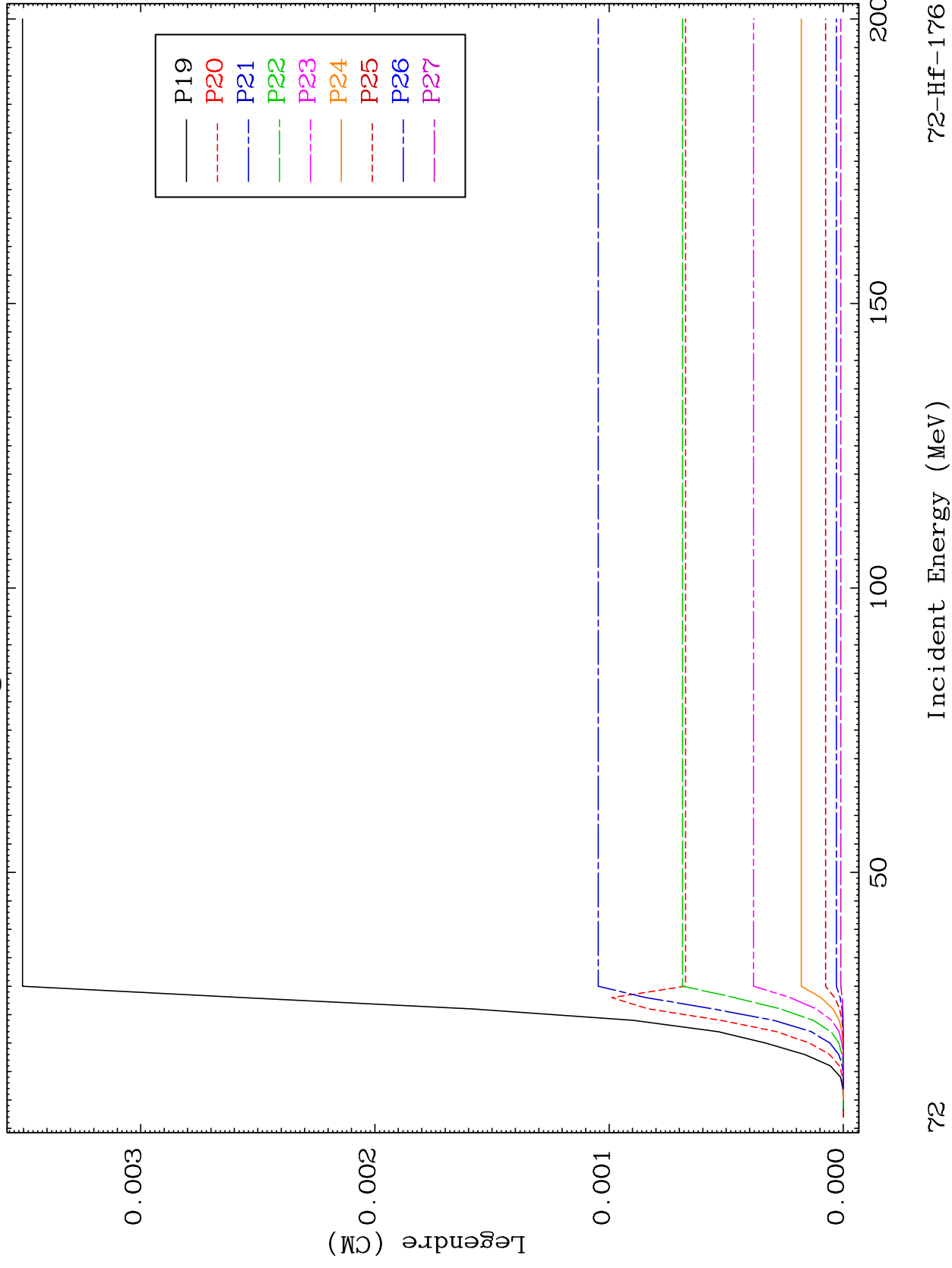




MAT 7231

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

72-Hf-176



72

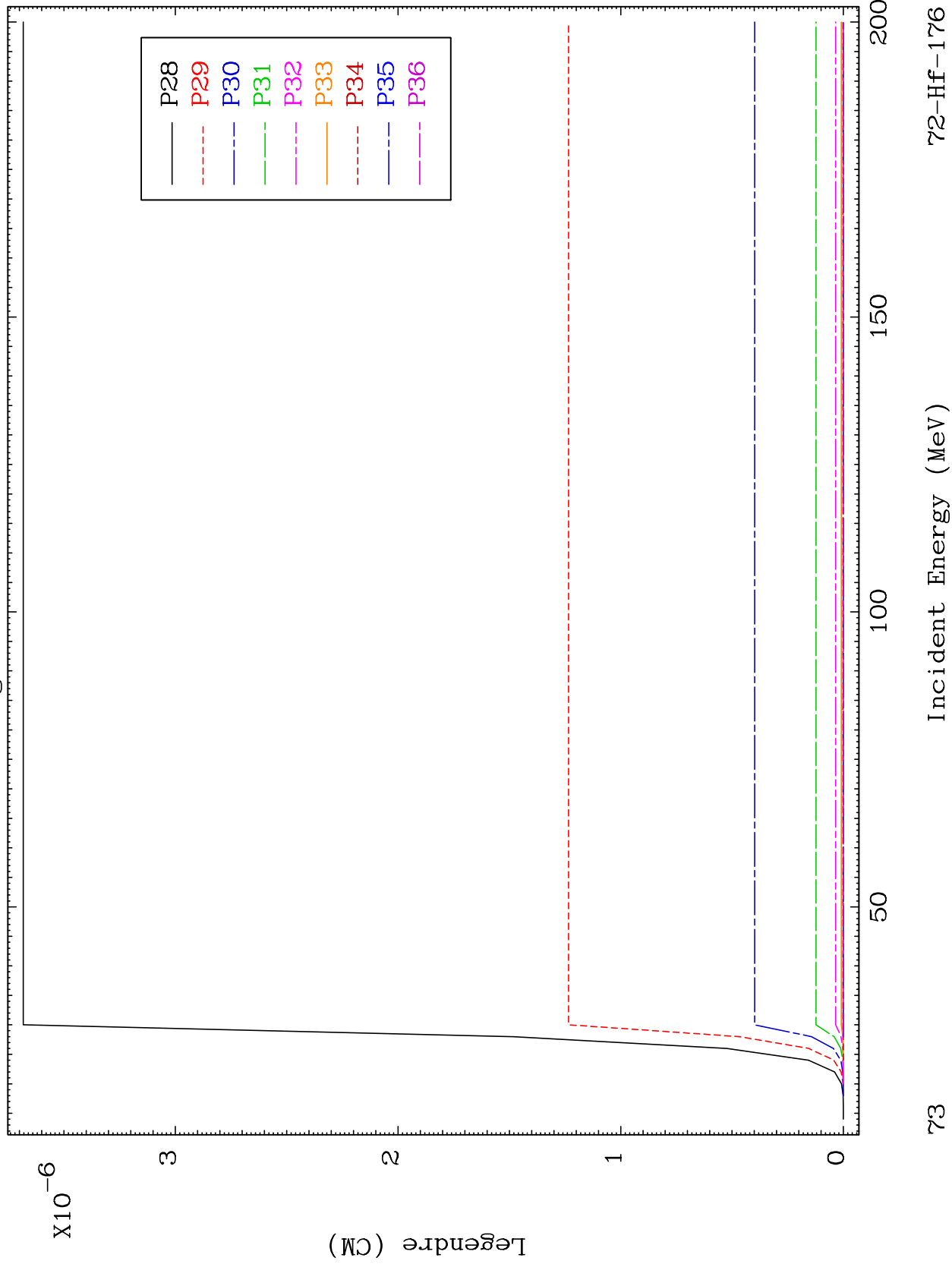
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176

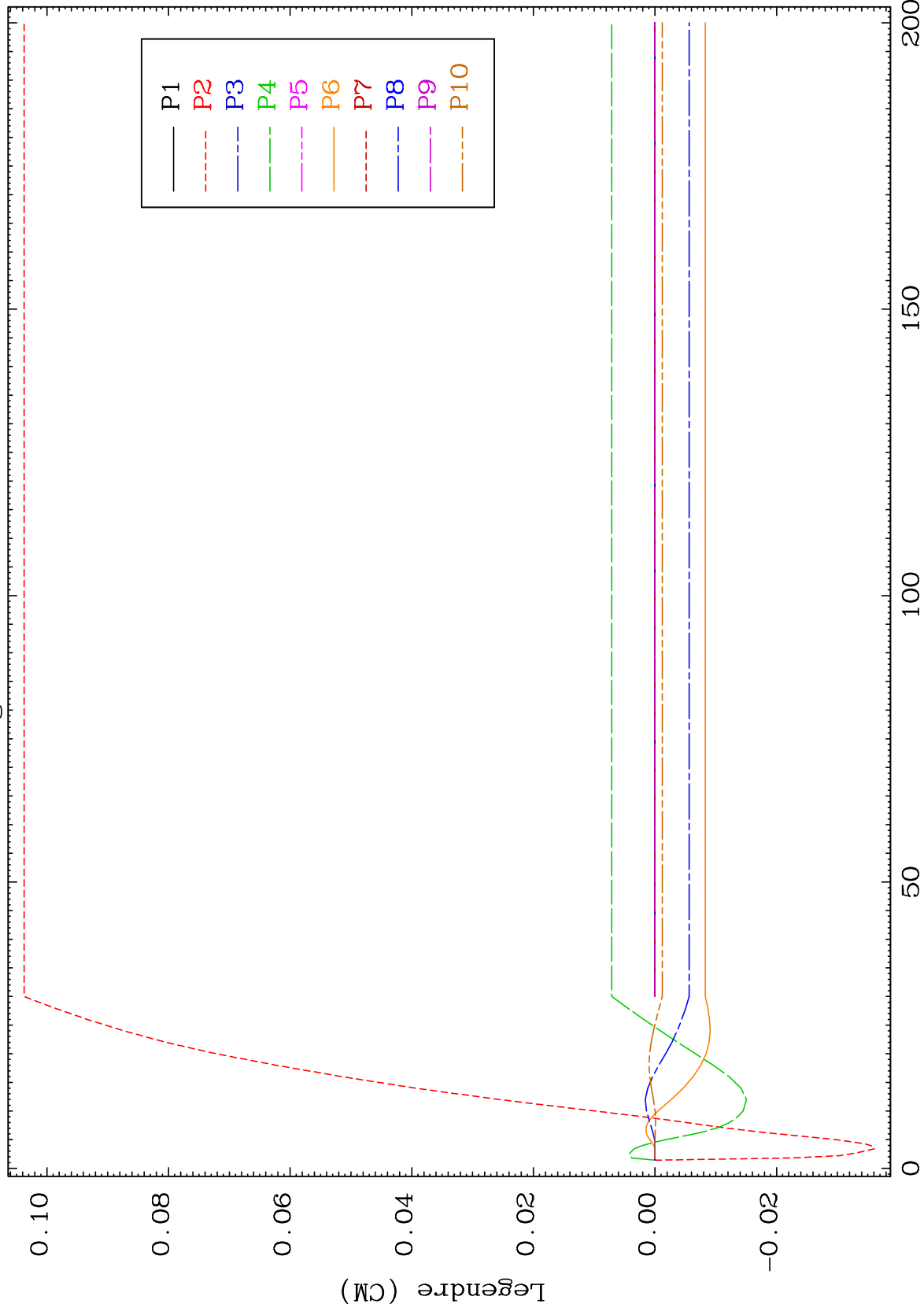


73

MAT 7231

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

72-Hf-176



74

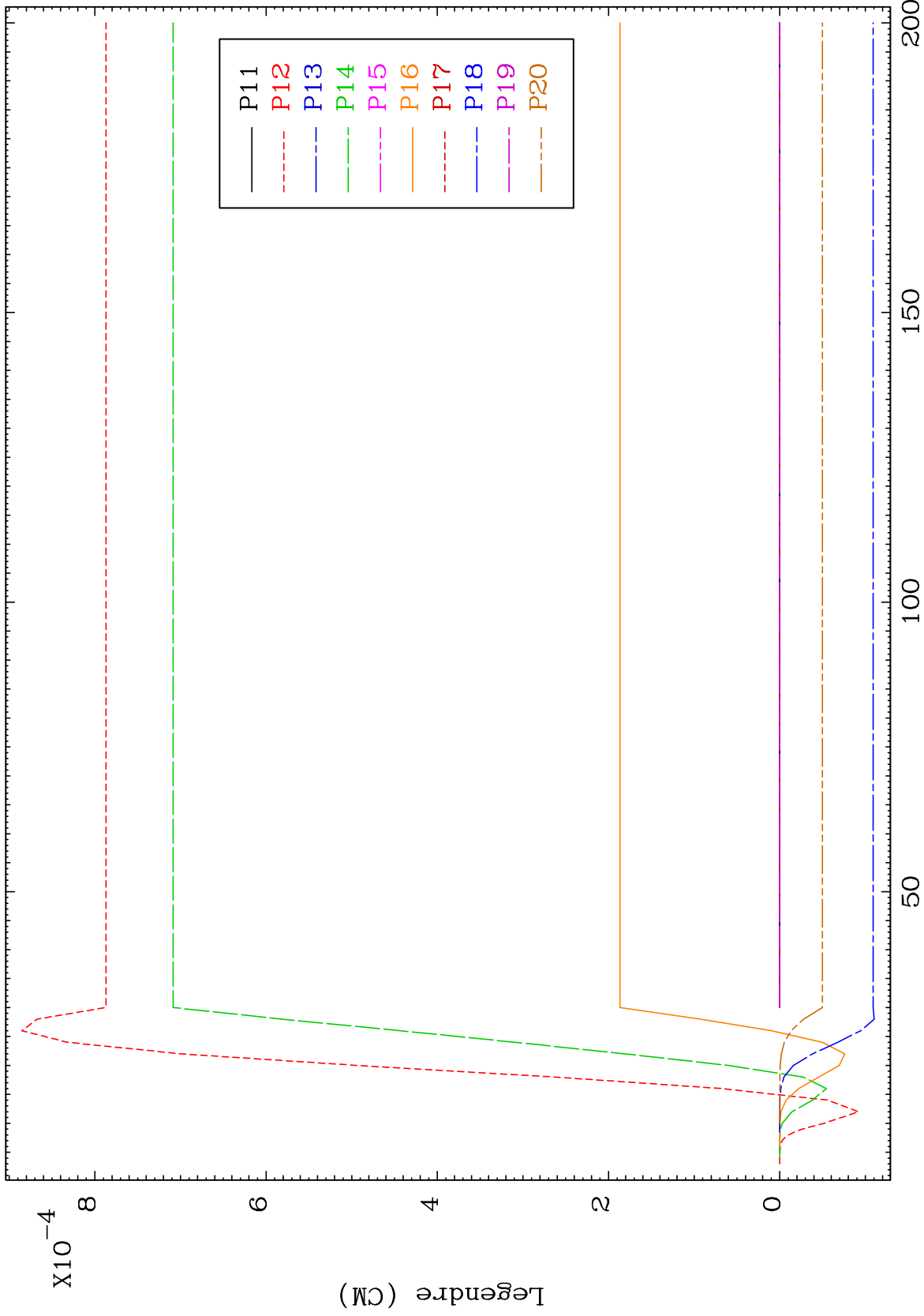
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

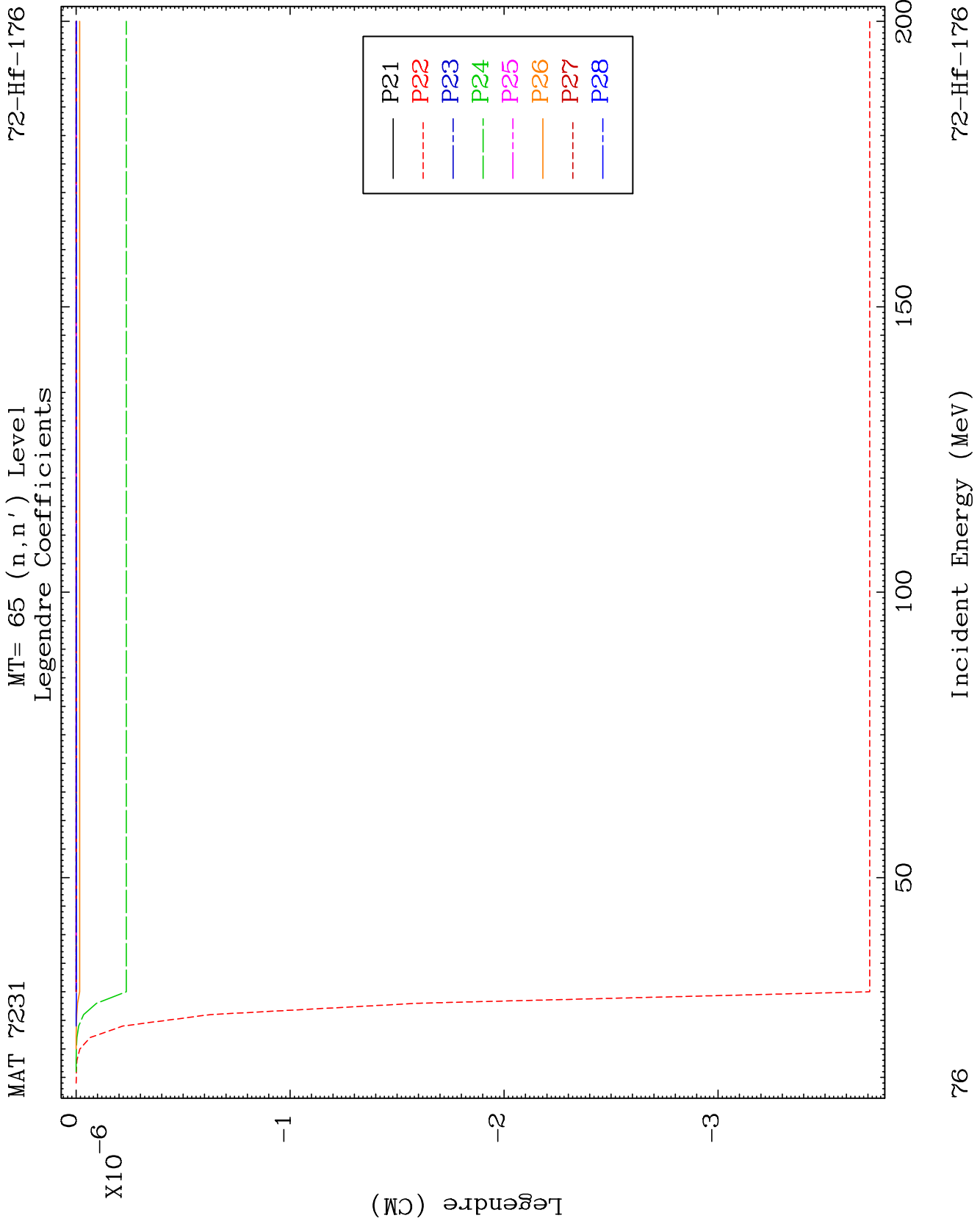
72-Hf-176



75

Incident Energy (MeV)

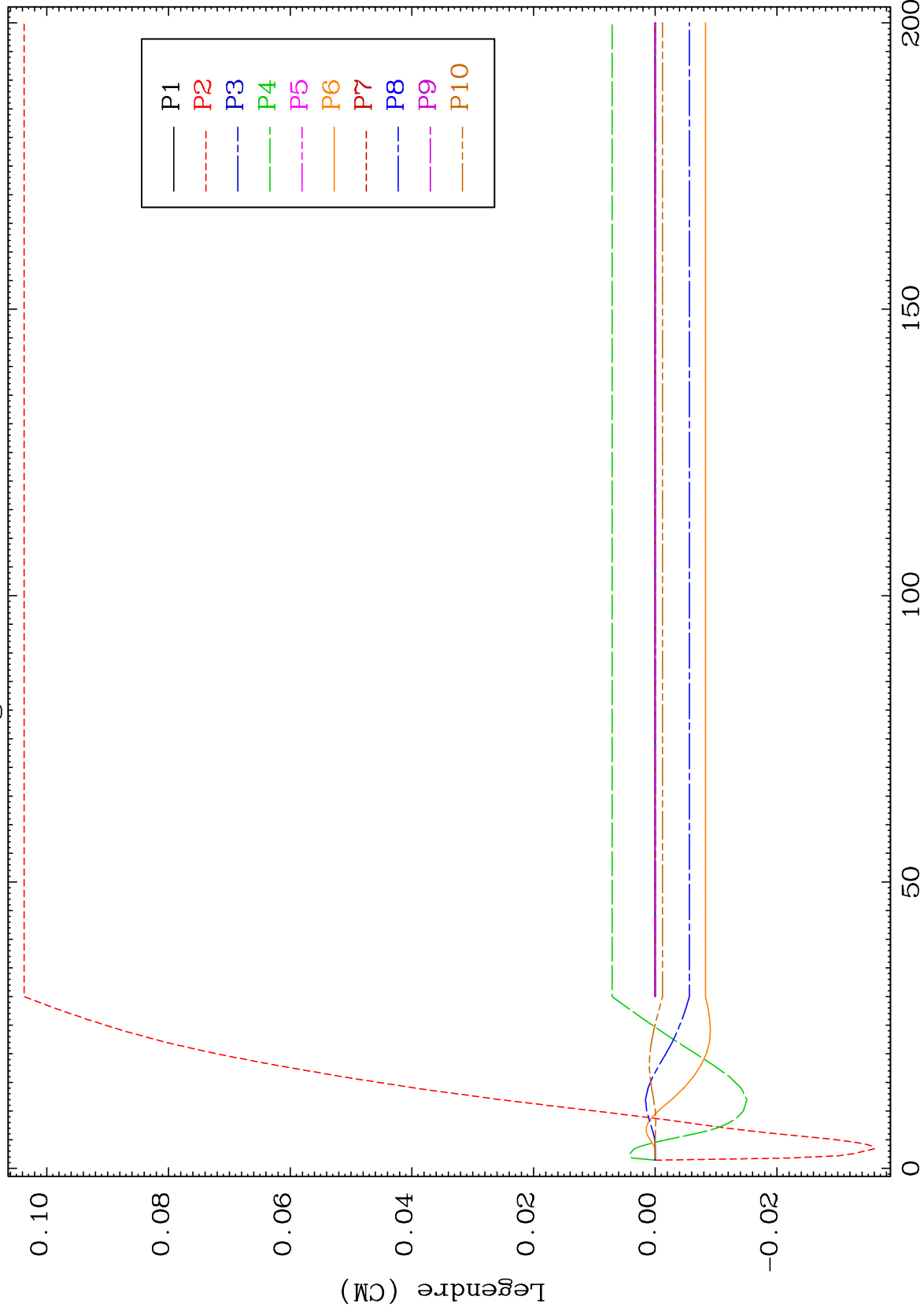
72-Hf-176



MAT 7231

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

72-Hf-176



77

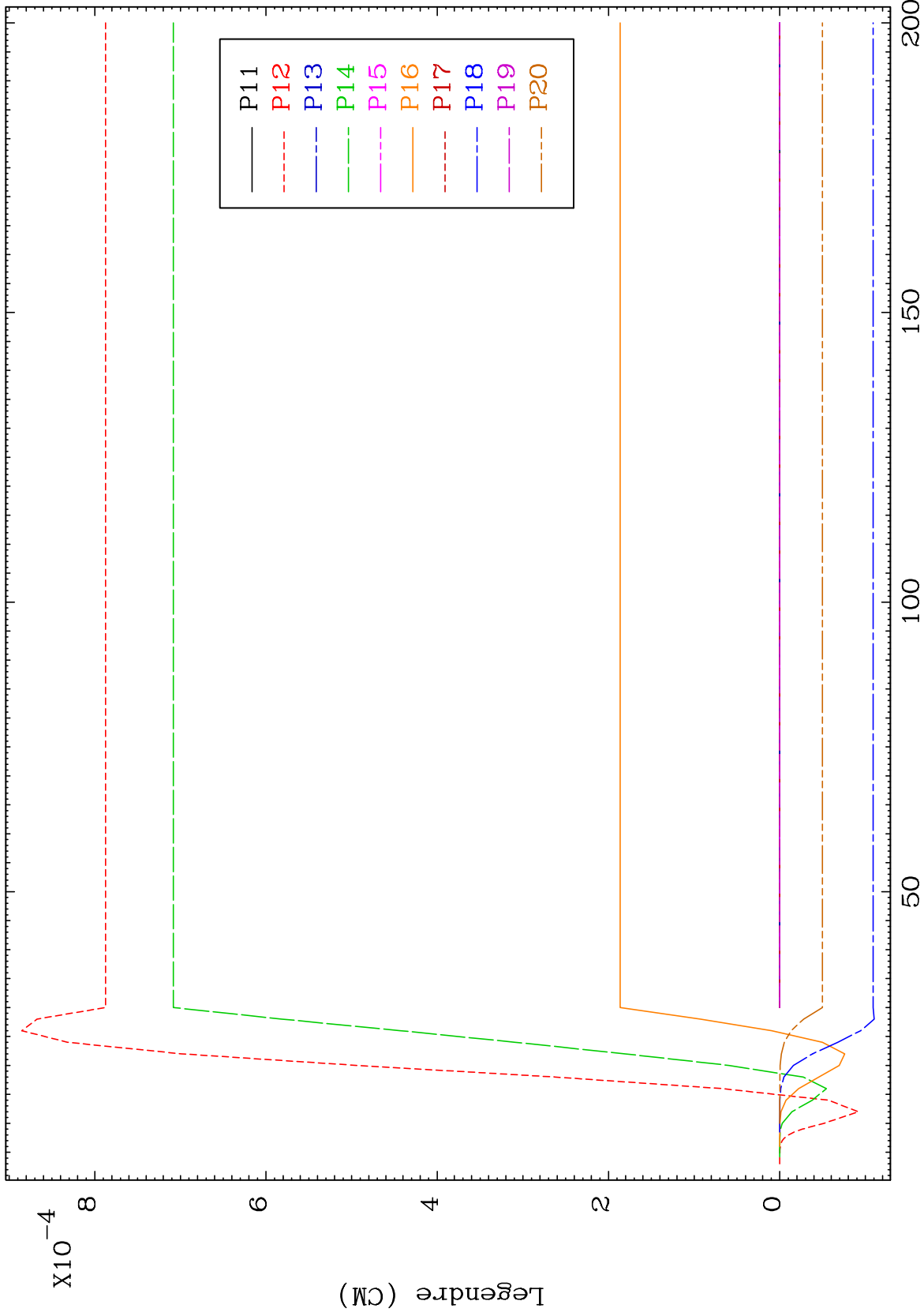
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

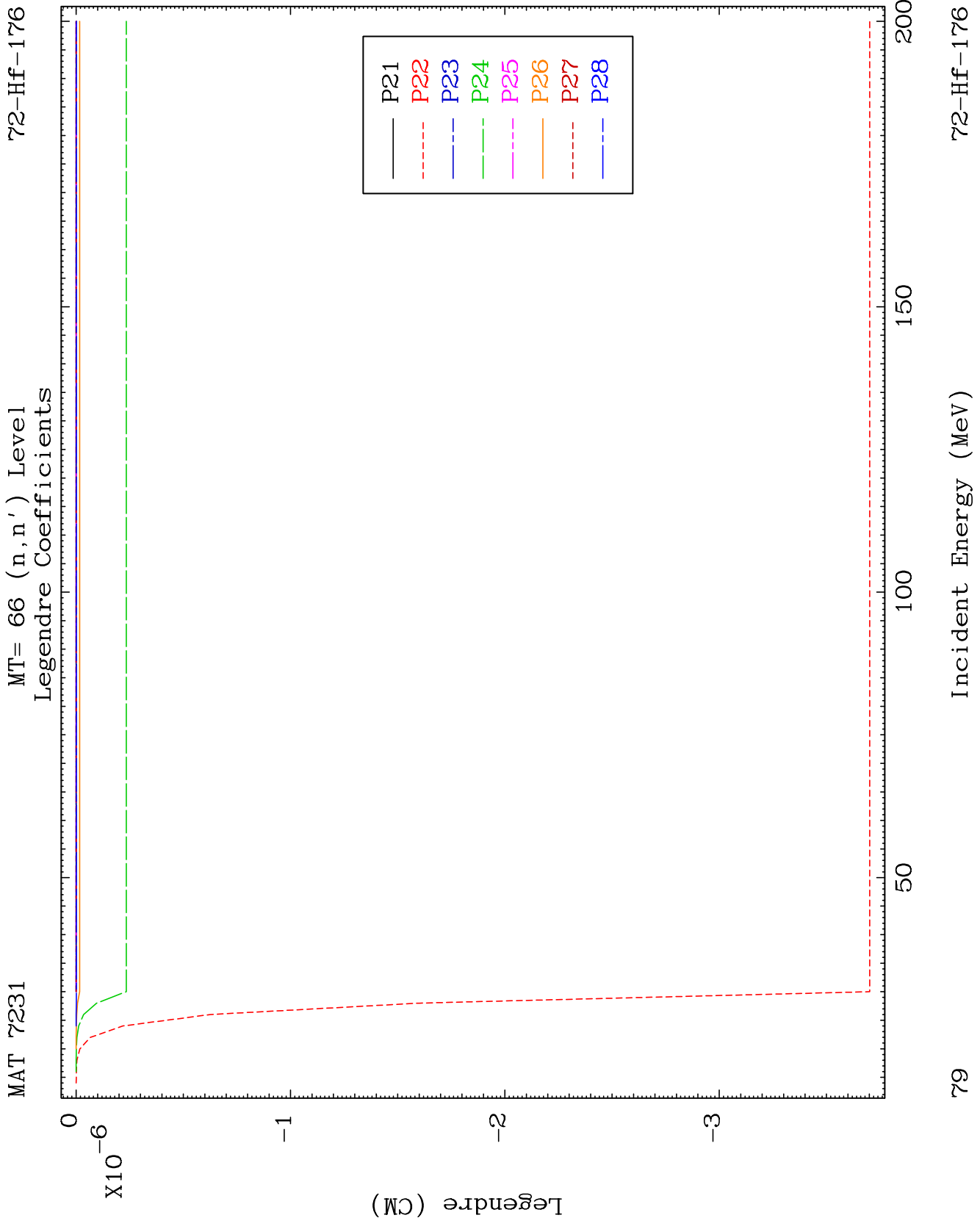
72-Hf-176



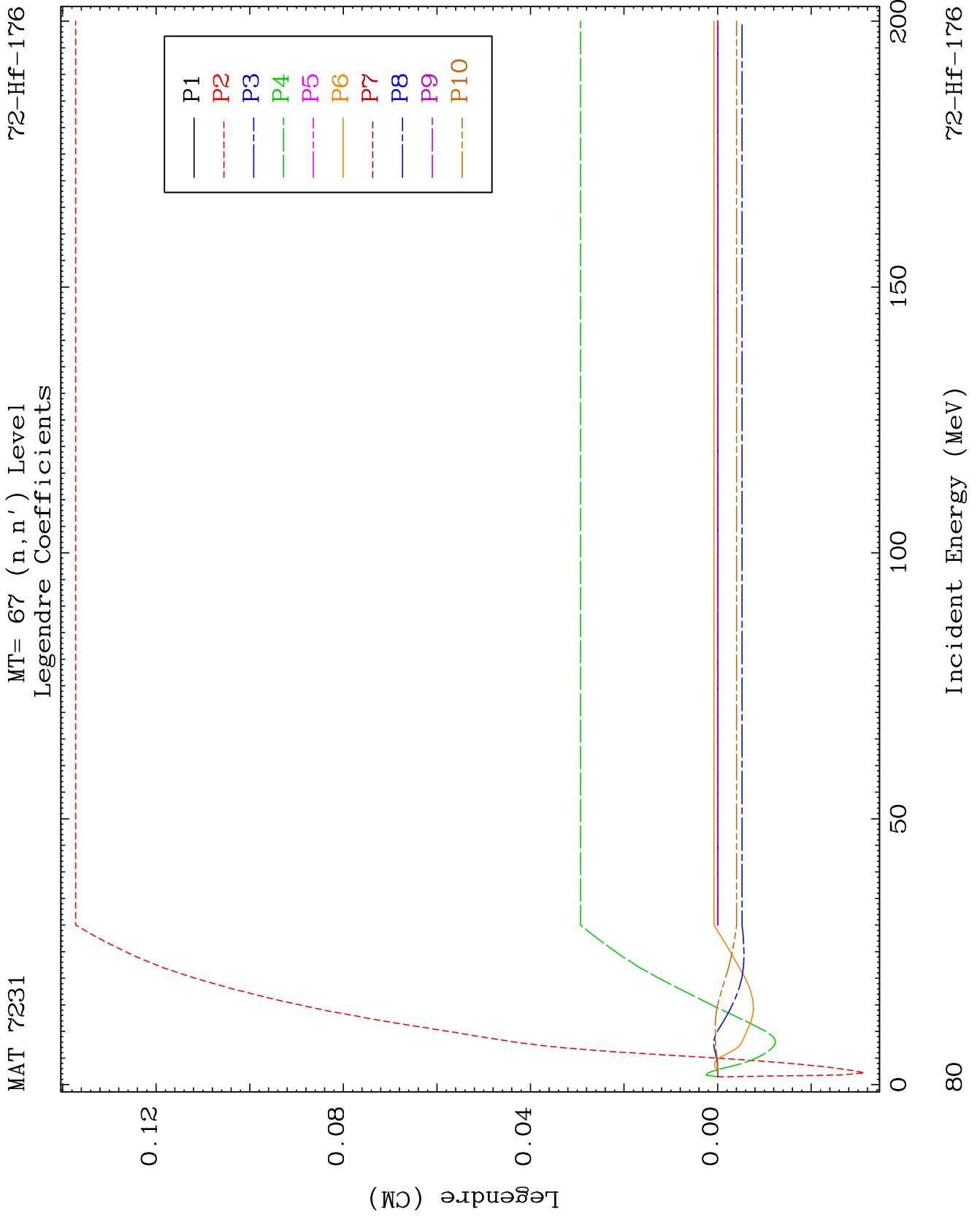
78

Incident Energy (MeV)

72-Hf-176



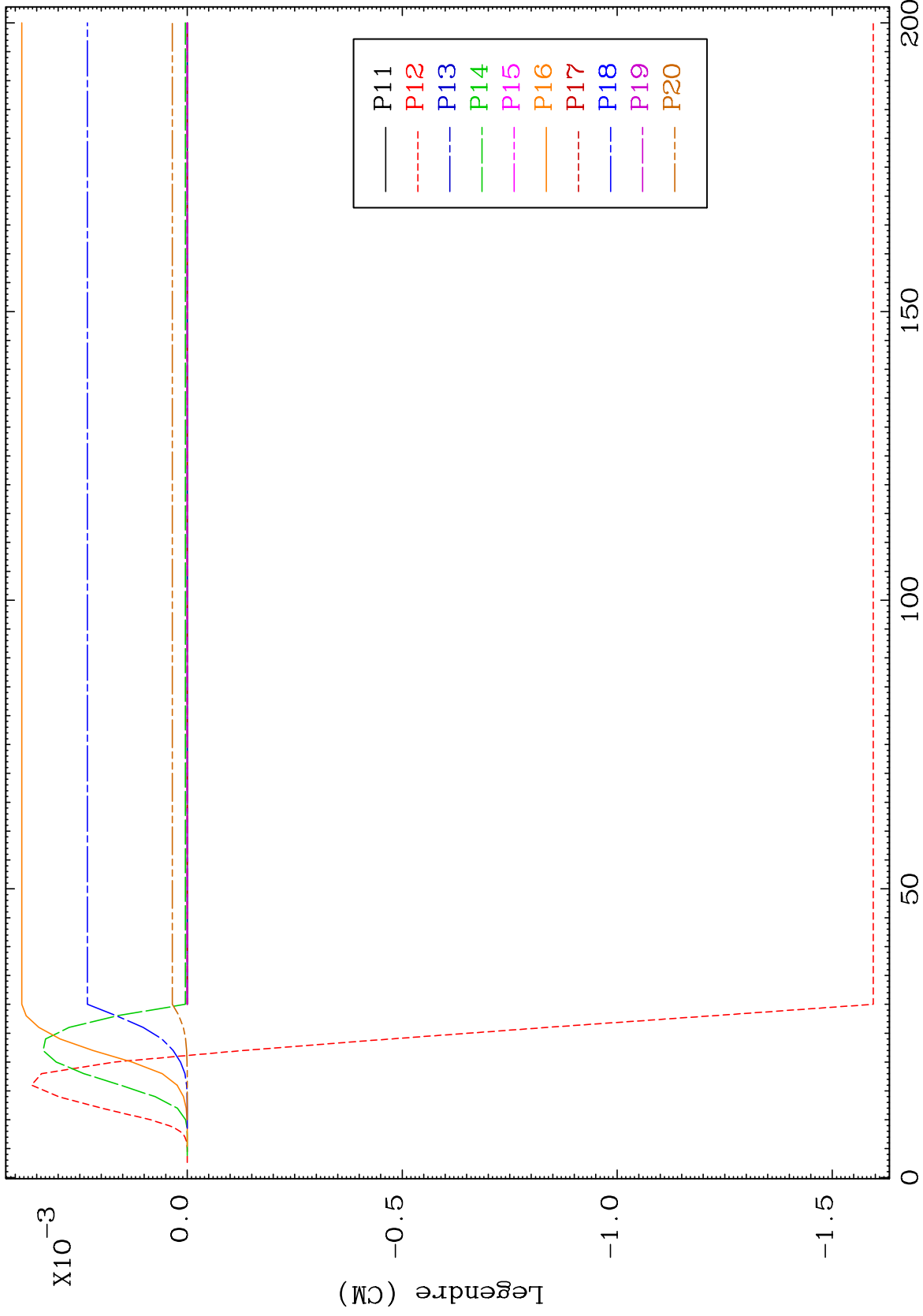




MAT 7231

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

72-Hf-176



81

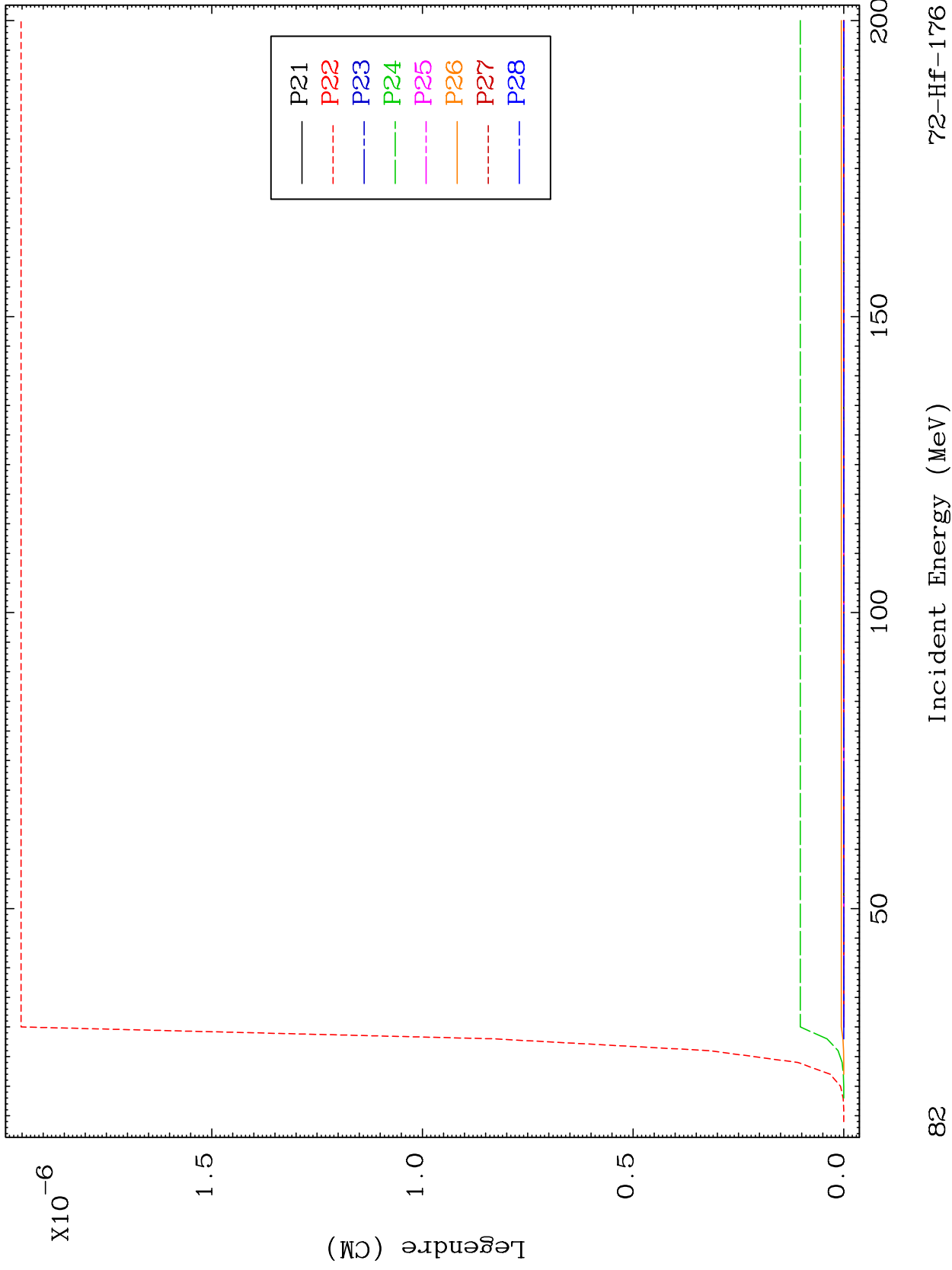
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176

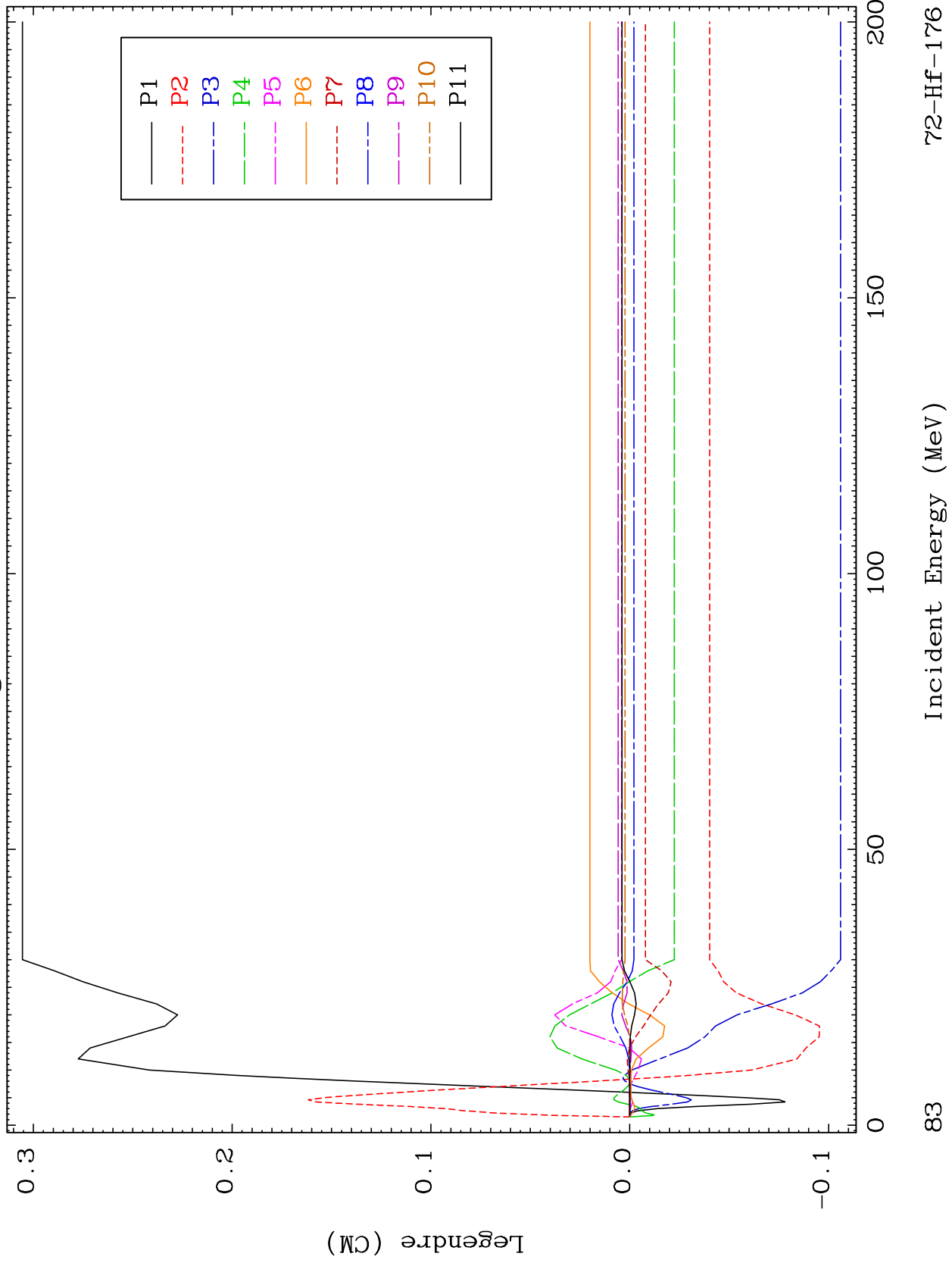


82

MAT 7231

MT= 68 (n,n') Level  
Legendre Coefficients

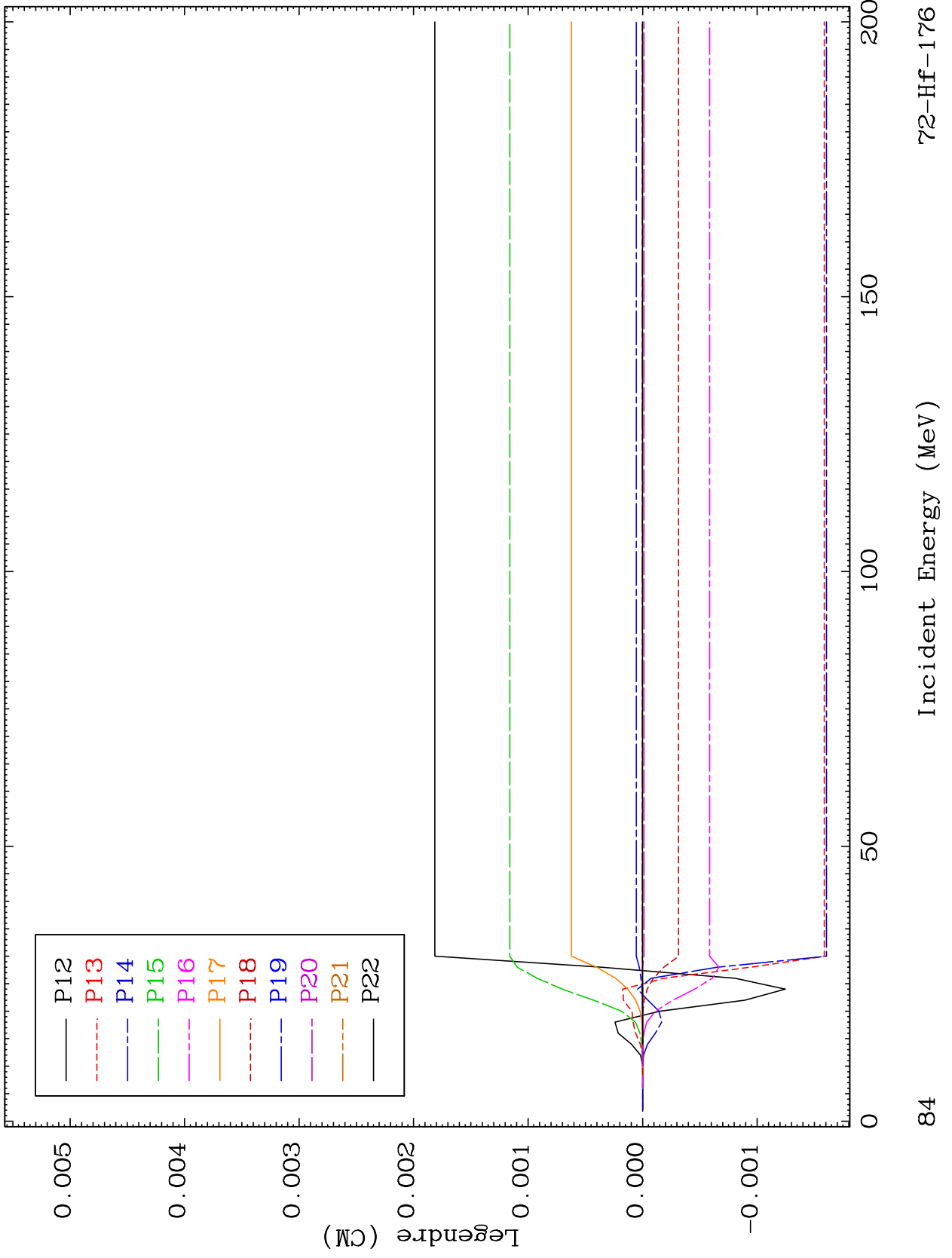
72-Hf-176



72-Hf-176

Incident Energy (MeV)

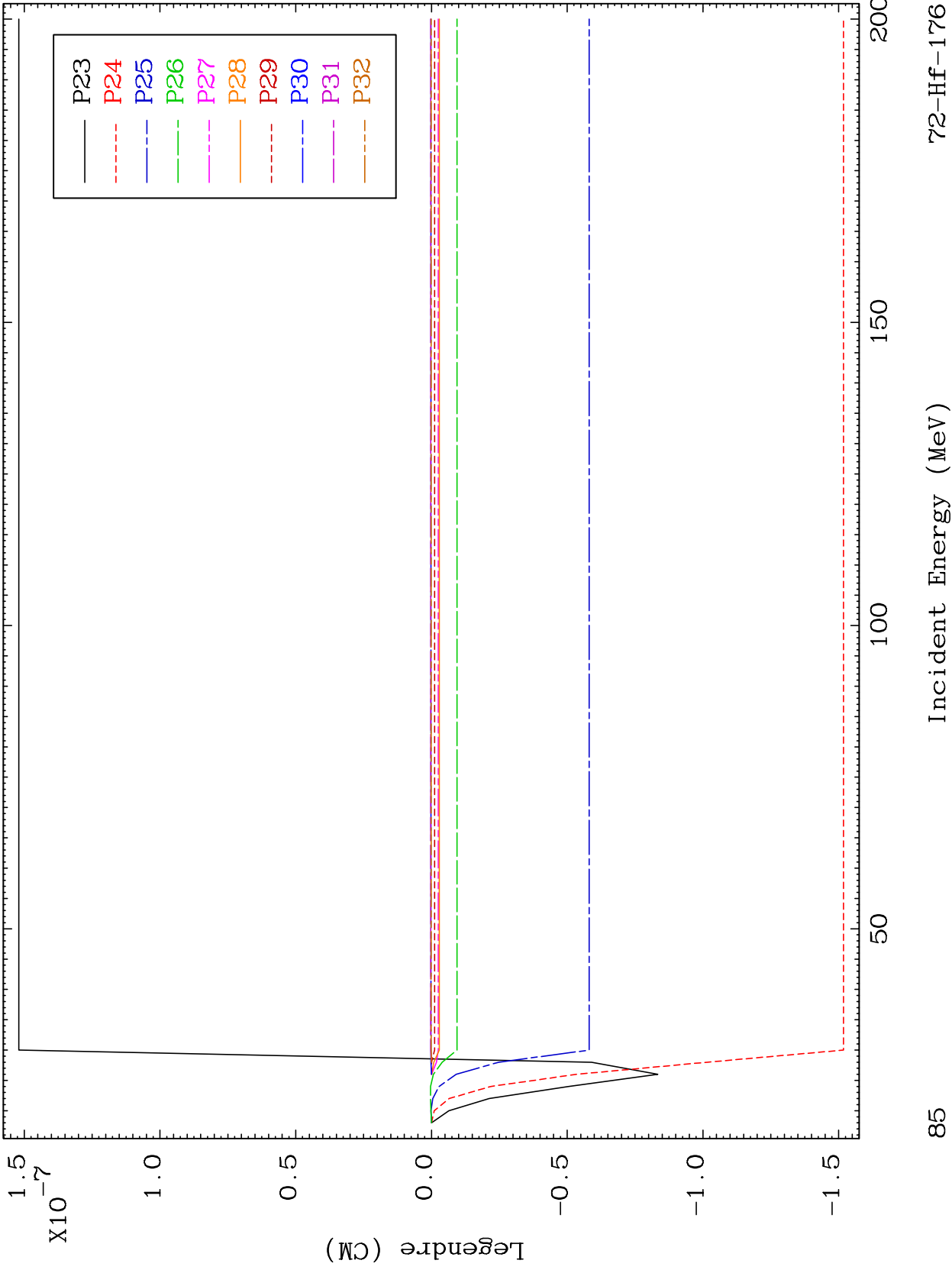
83

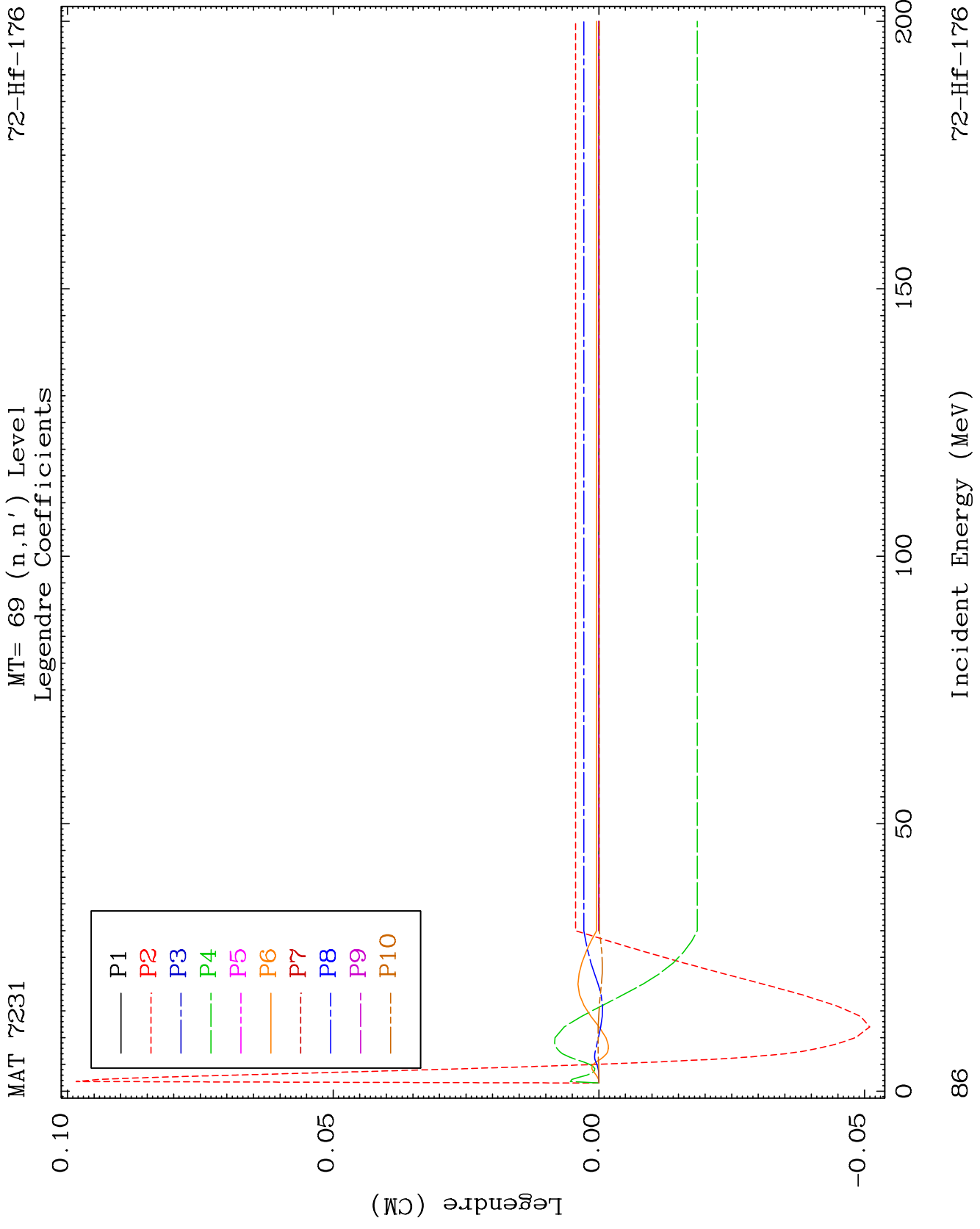


MAT 7231

MT= 68 (n,n') Level  
Legendre Coefficients

72-Hf-176





72-Hf-176

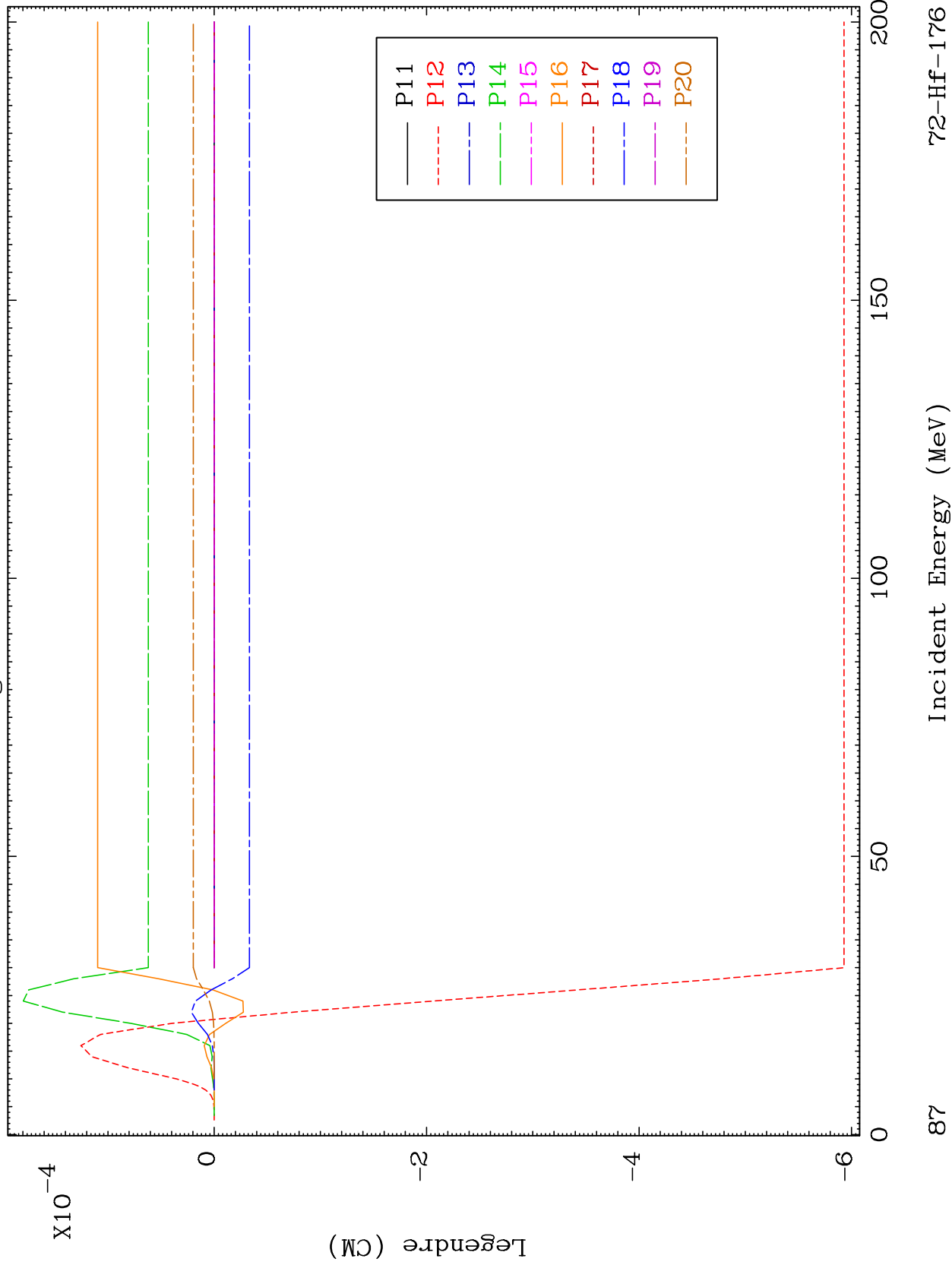
Incident Energy (MeV)

86

MAT 7231

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

72-Hf-176



87

Incident Energy (MeV)

72-Hf-176

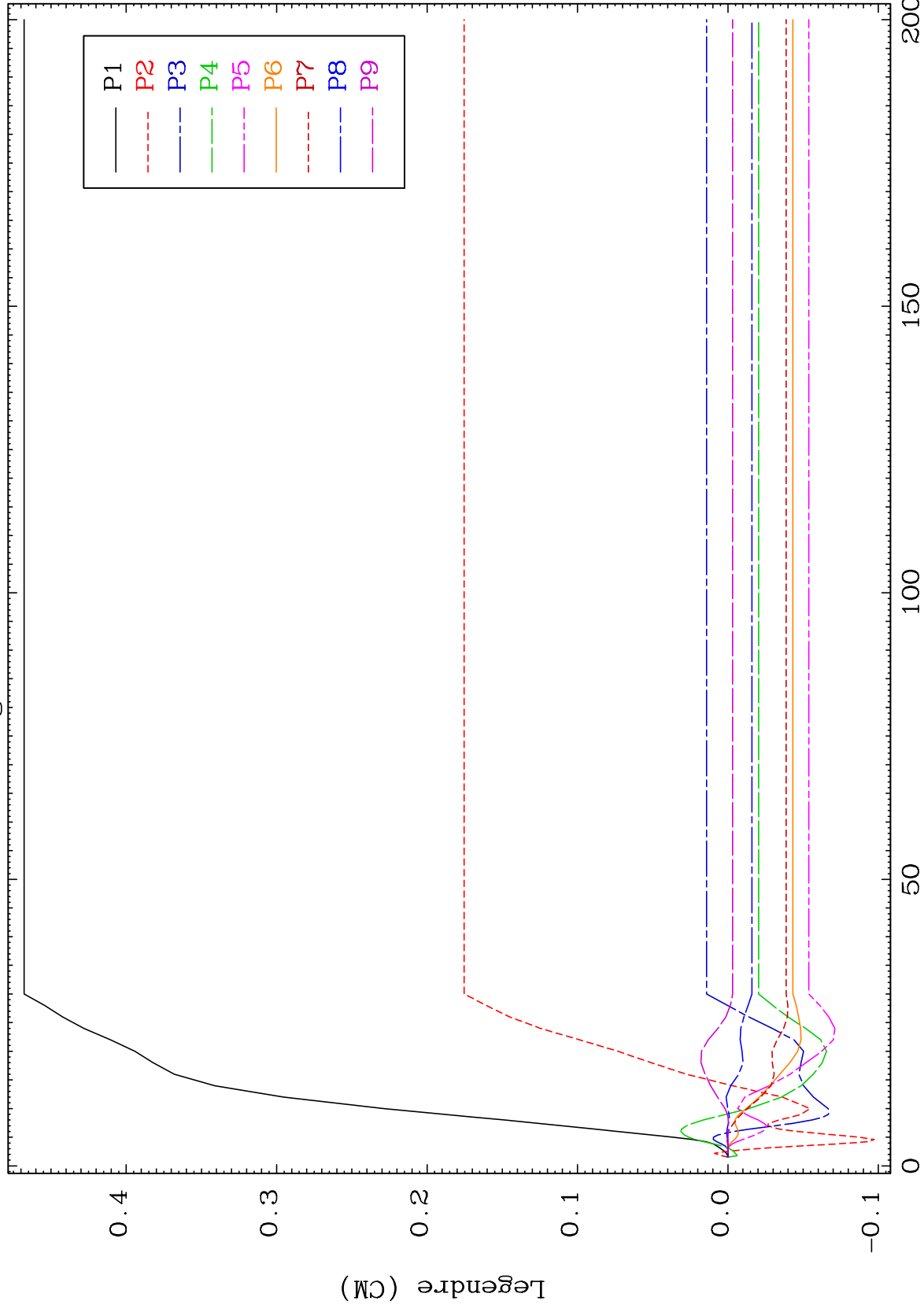




MAT 7231

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

72-Hf-176



89

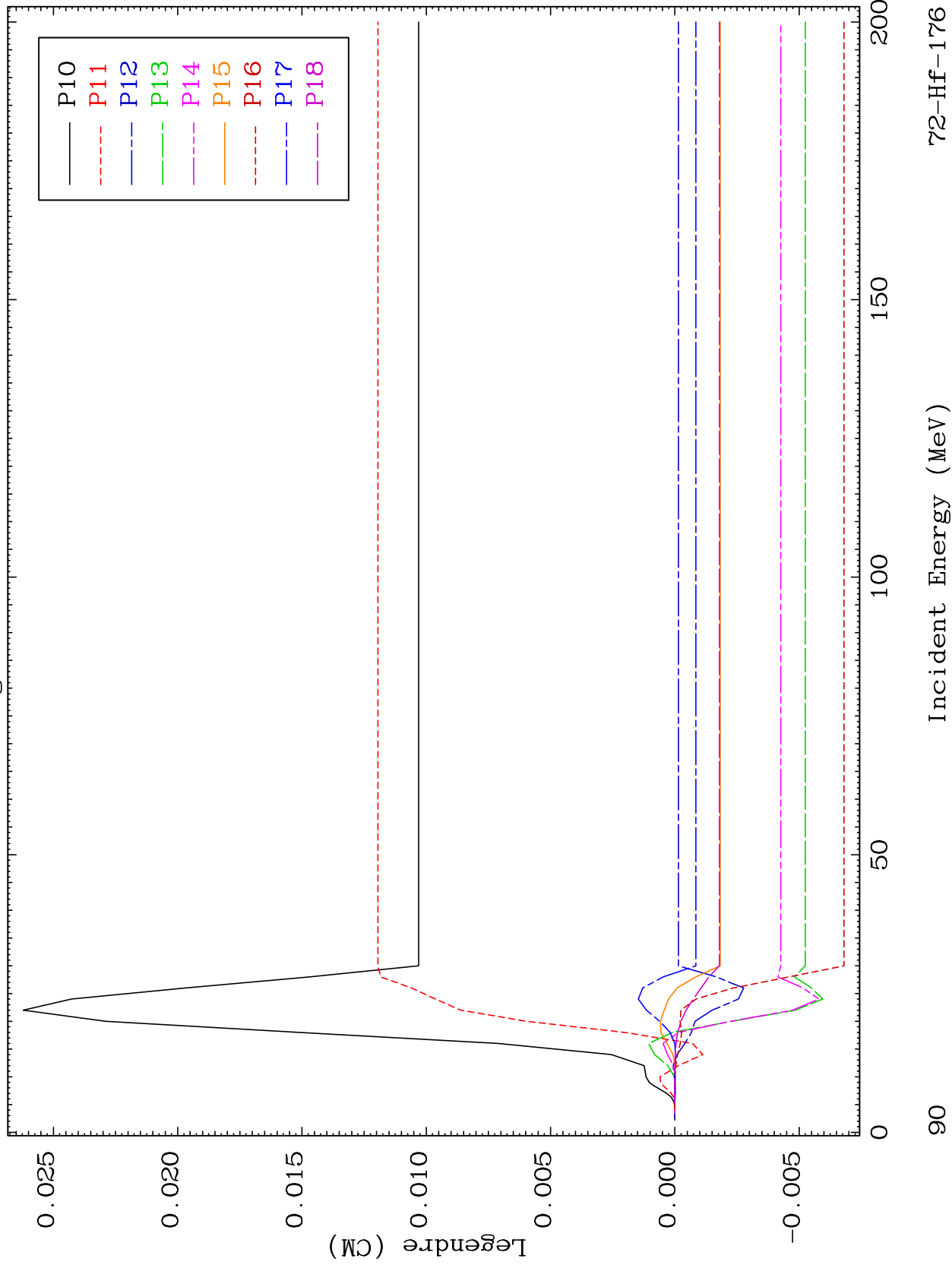
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



72-Hf-176

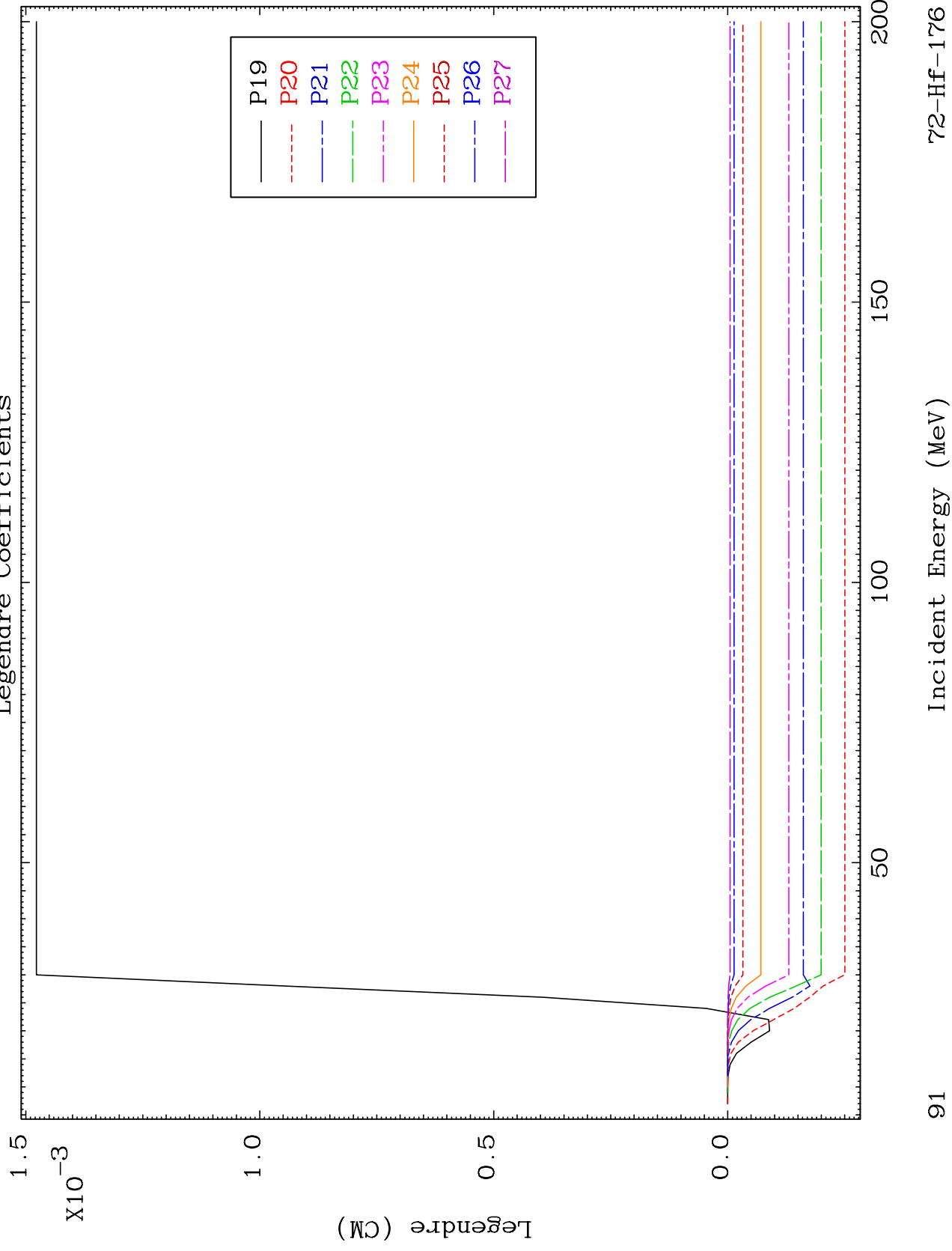
Incident Energy (MeV)

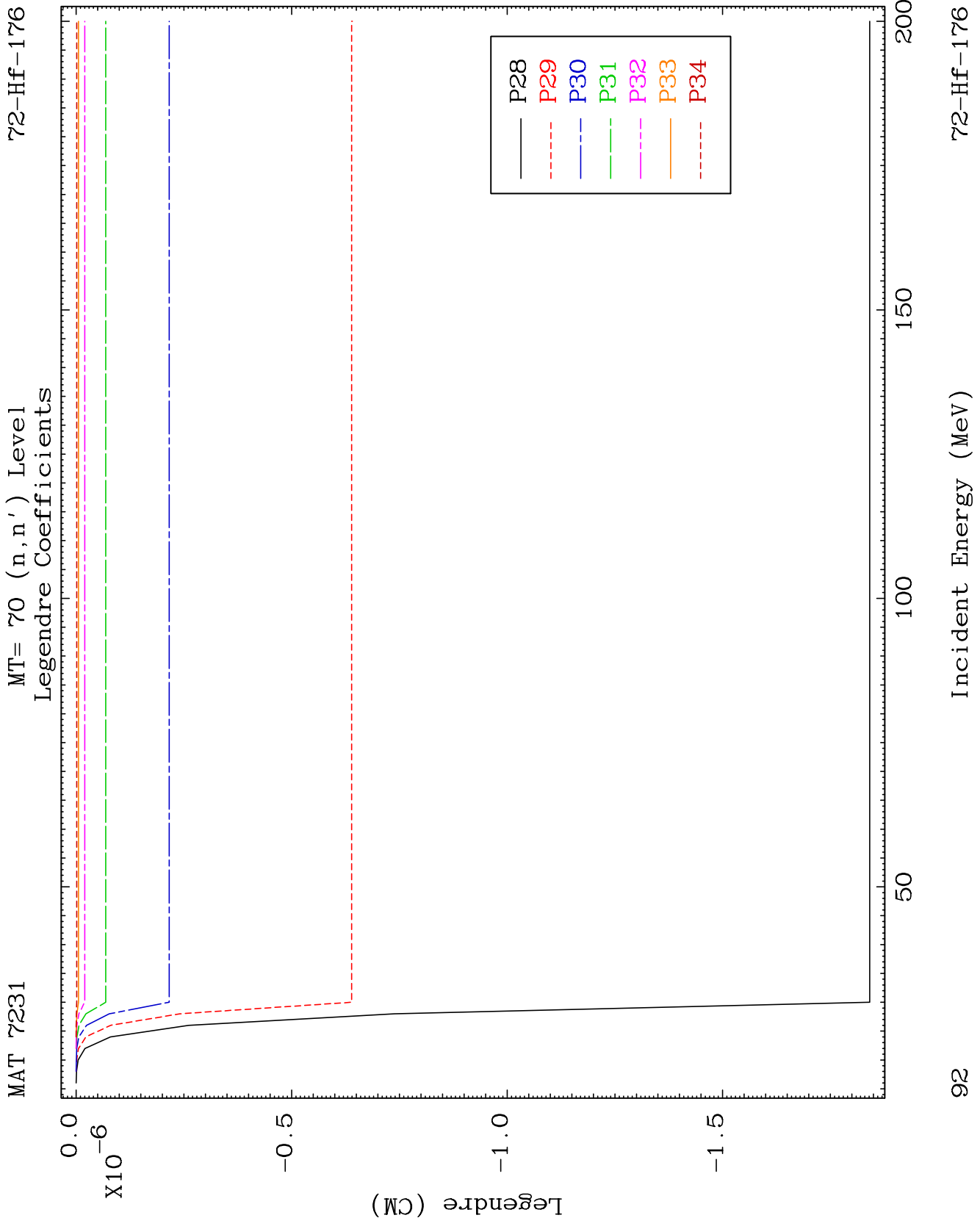
90

MAT 7231

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

72-Hf-176



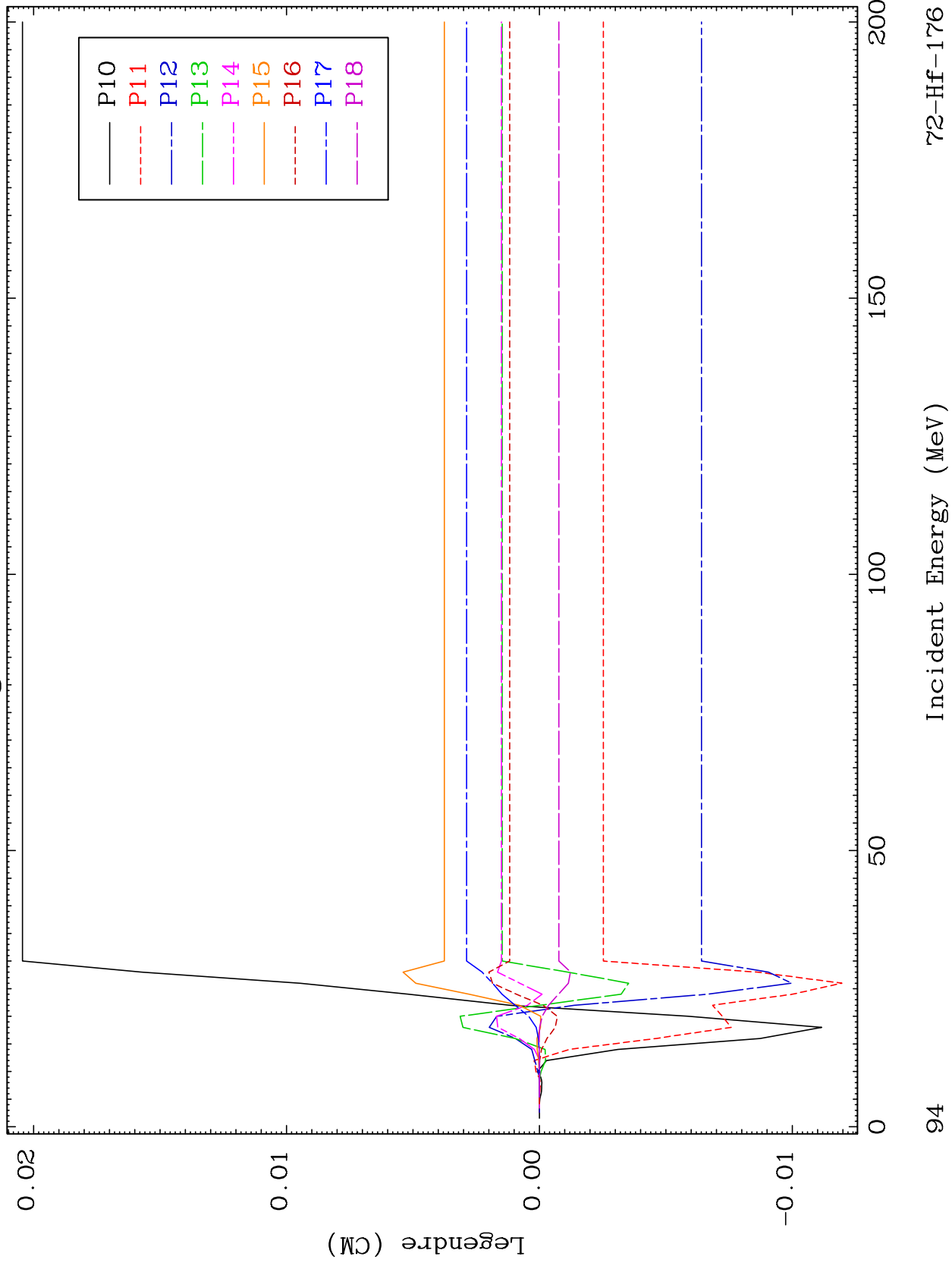




MAT 7231

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

72-Hf-176



72-Hf-176

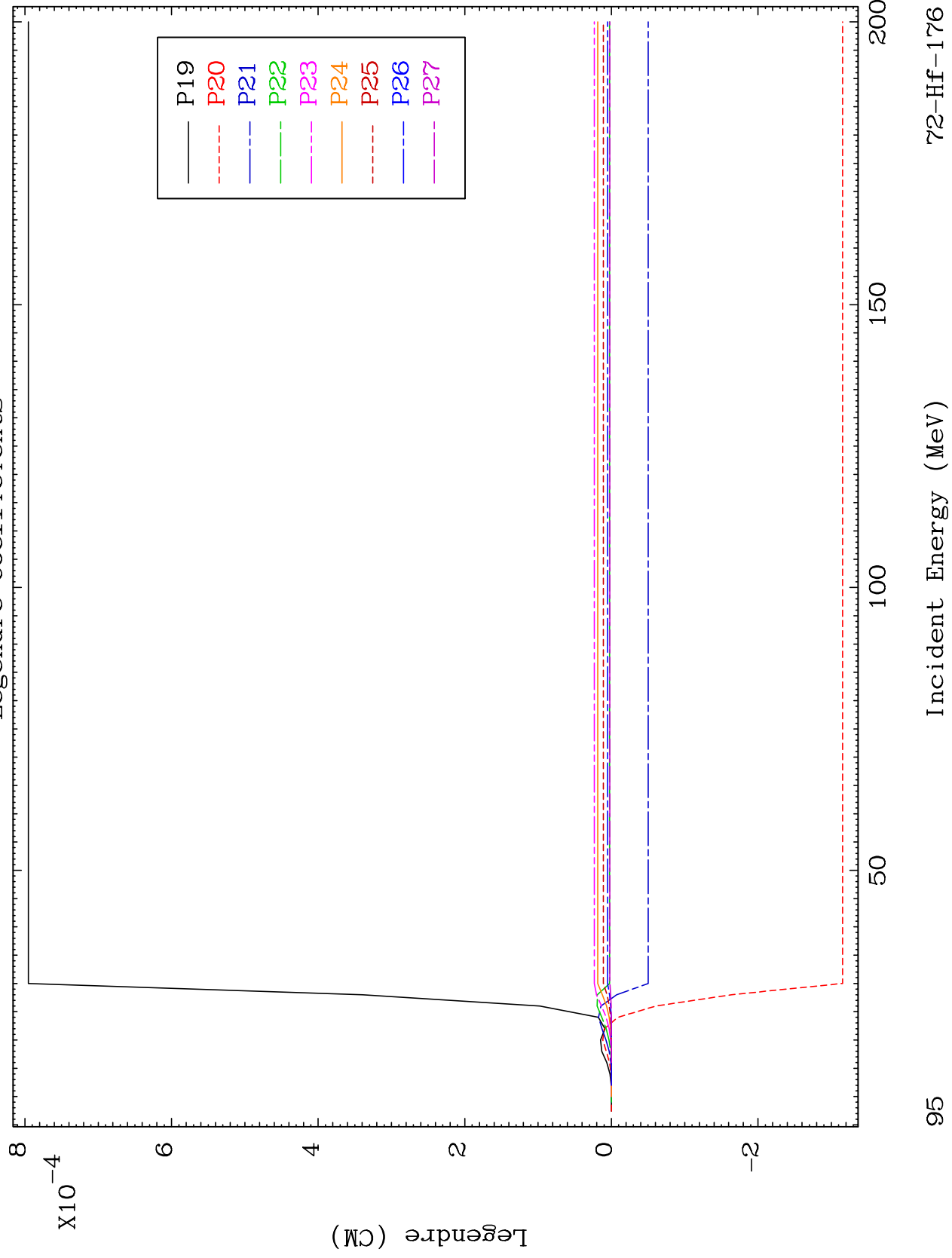
Incident Energy (MeV)

94

MAT 7231

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

72-Hf-176



95

Incident Energy (MeV)

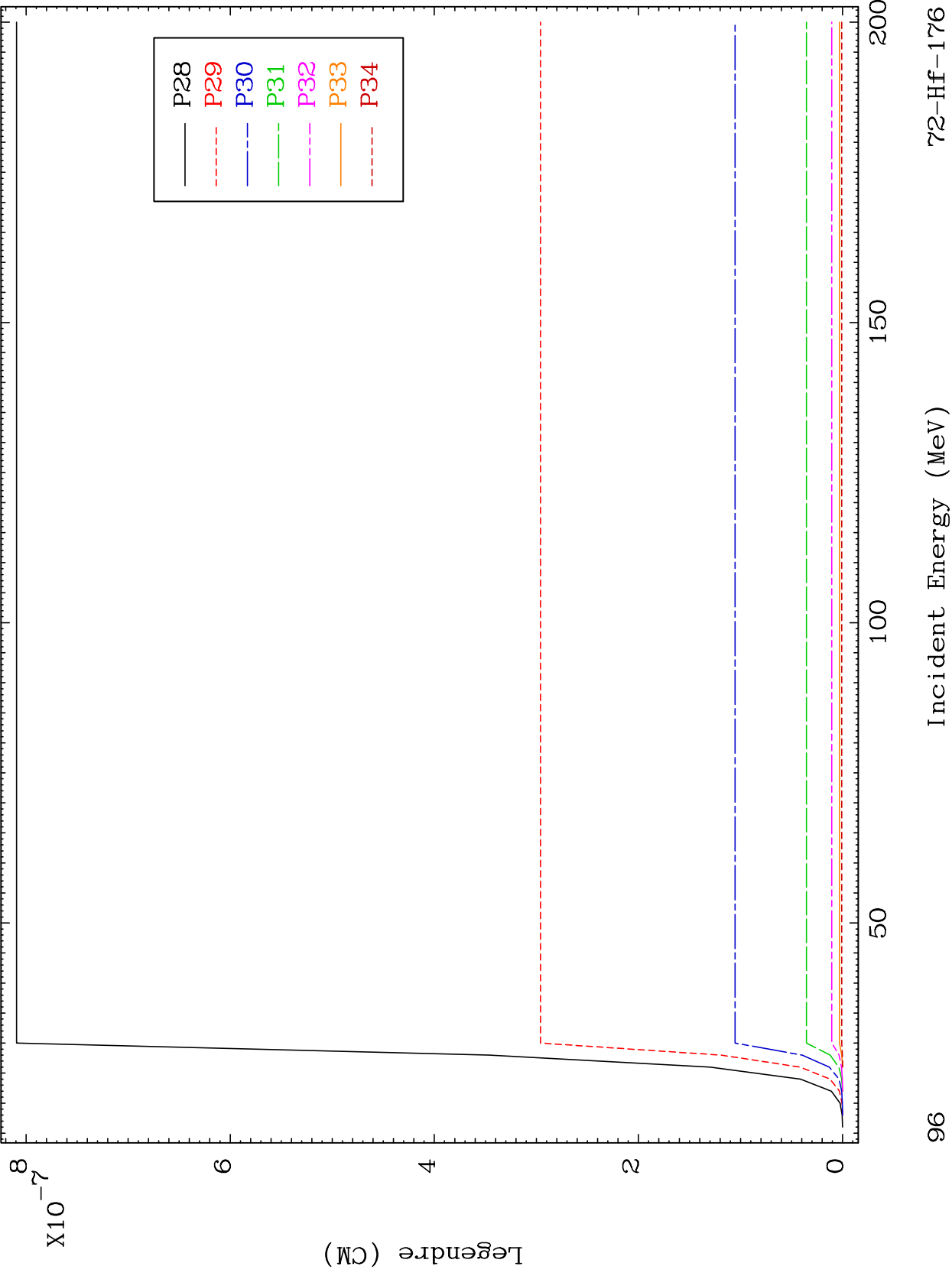
72-Hf-176

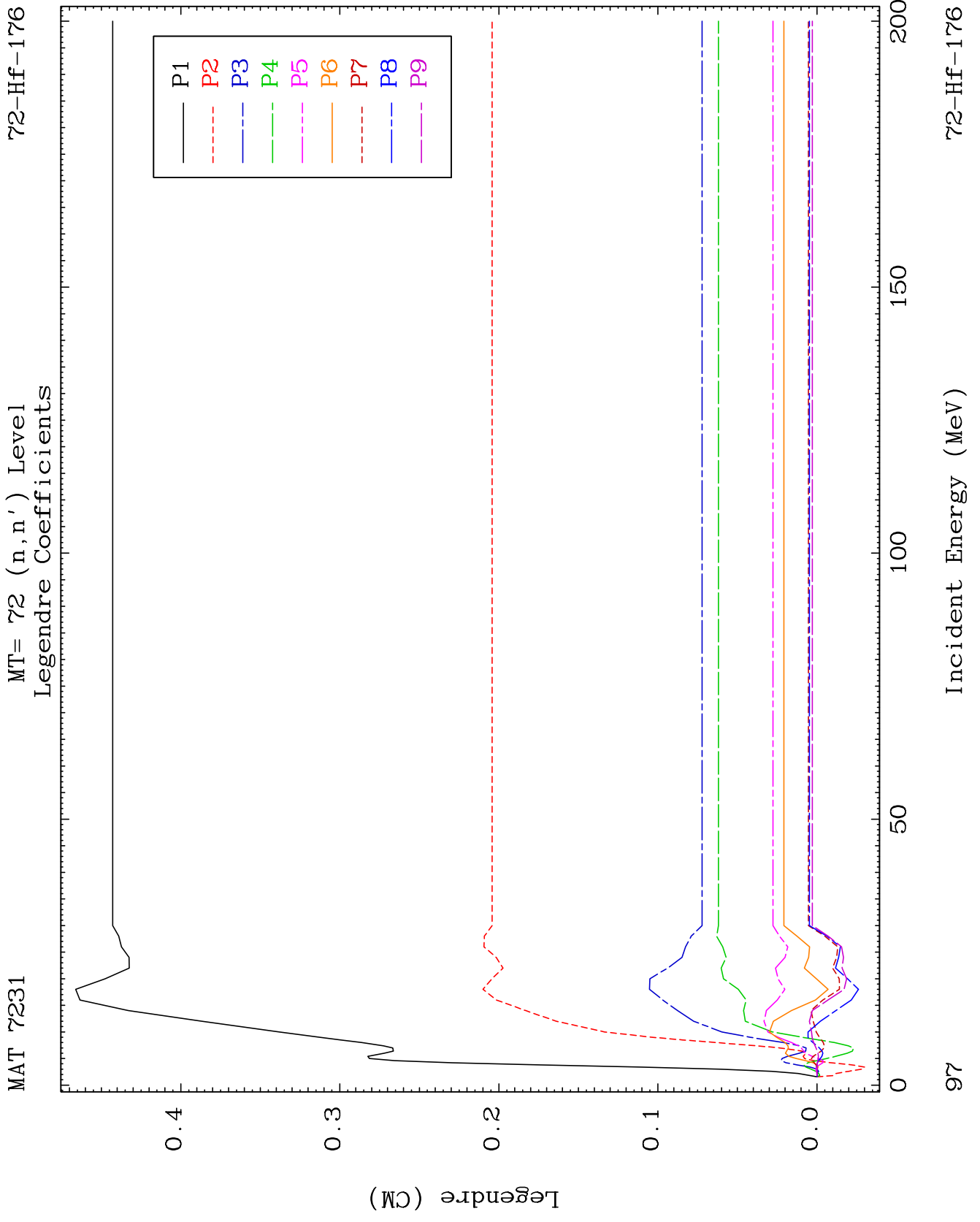


MAT 7231

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

72-Hf-176

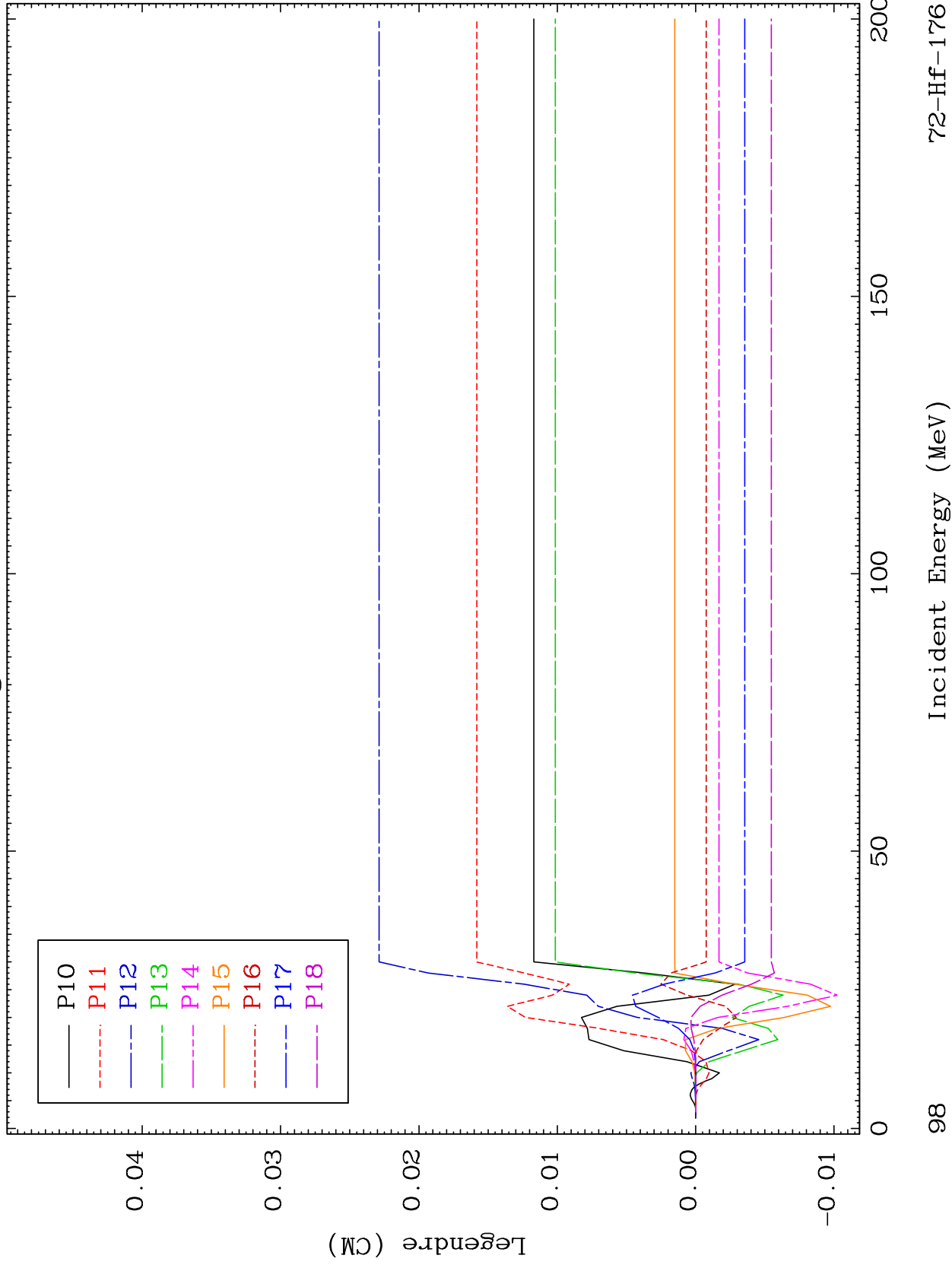




MAT 7231

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

72-Hf-176



98

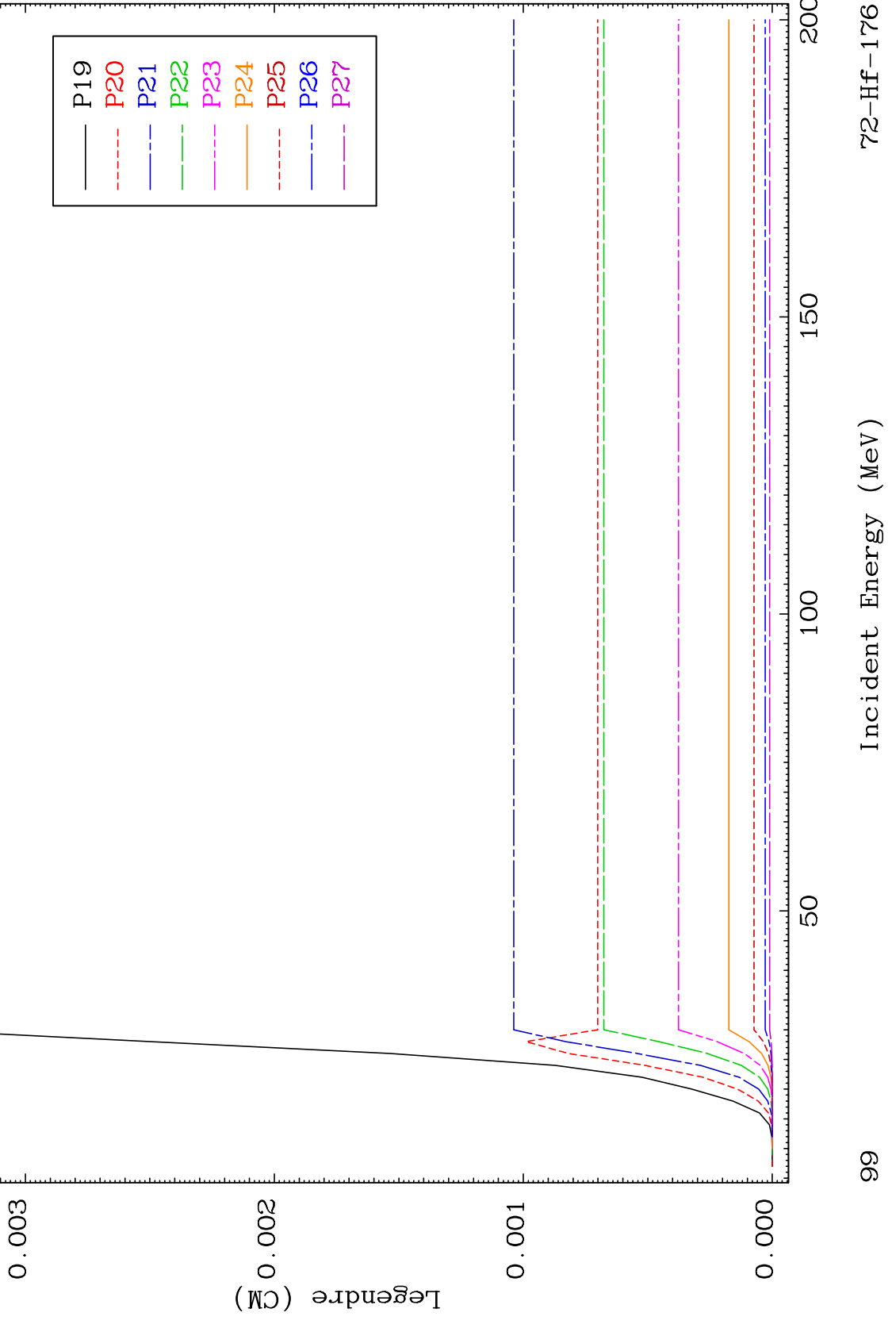
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

72-Hf-176



99

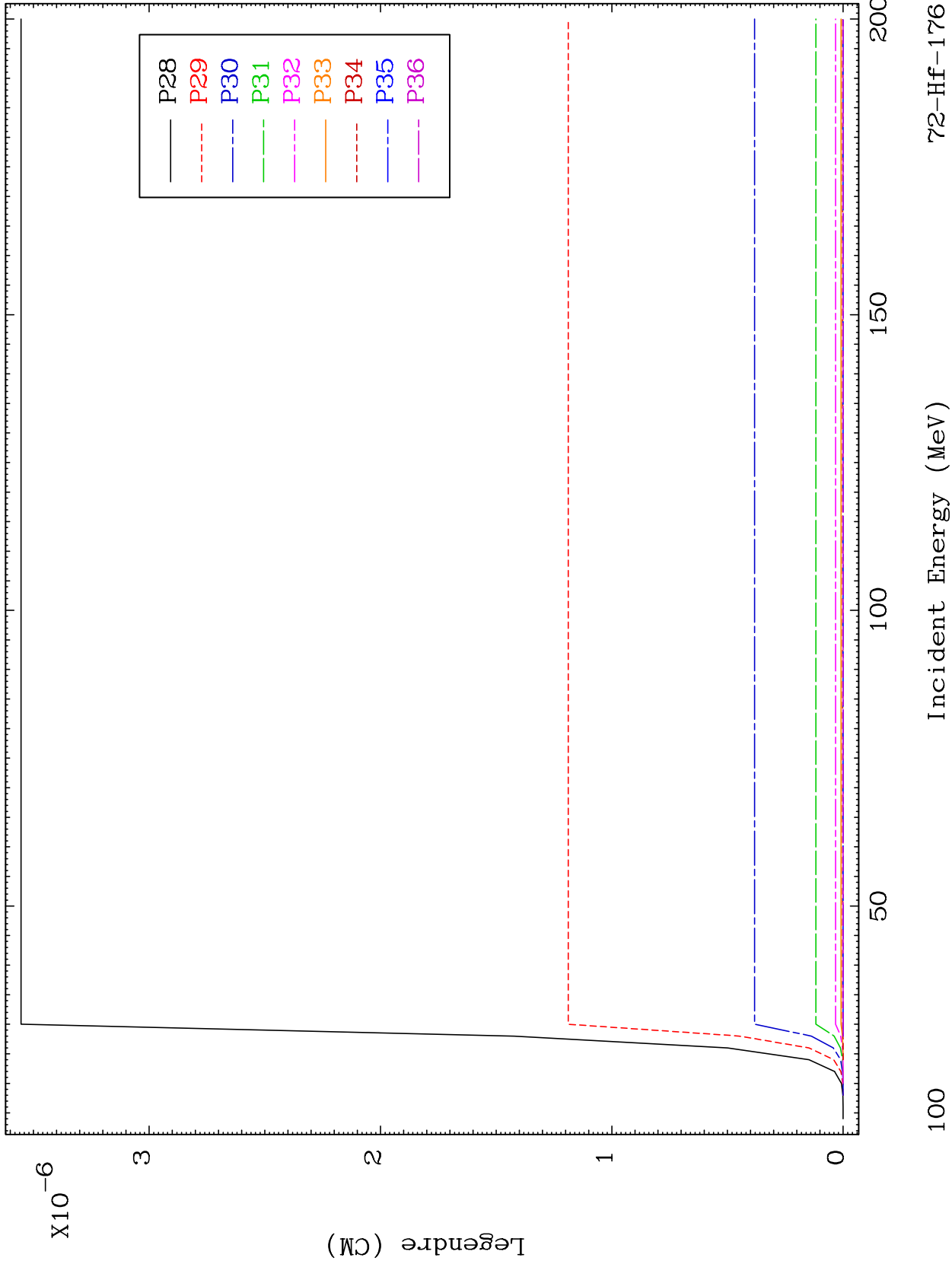
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

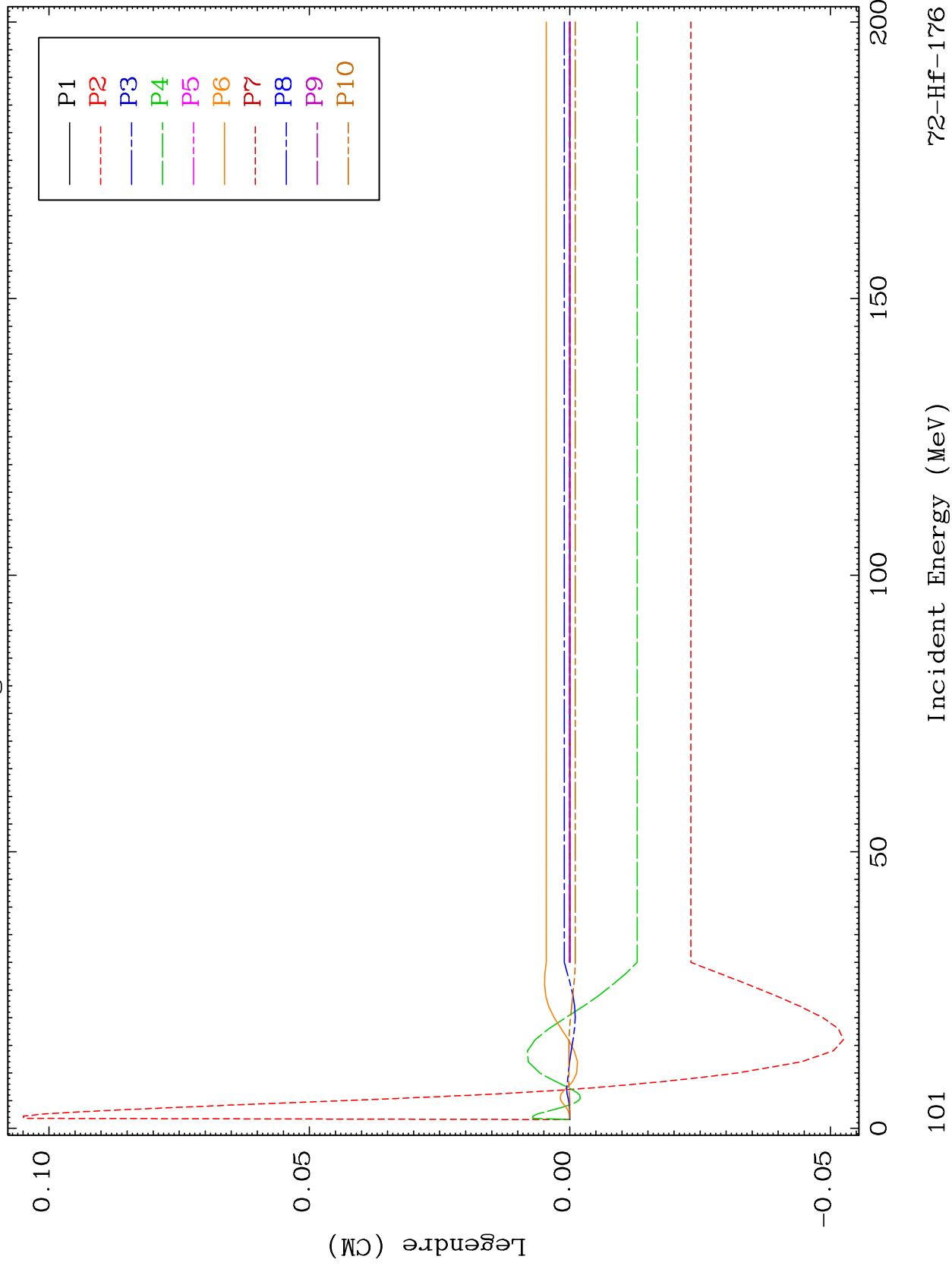
72-Hf-176



MAT 7231

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

72-Hf-176



72-Hf-176

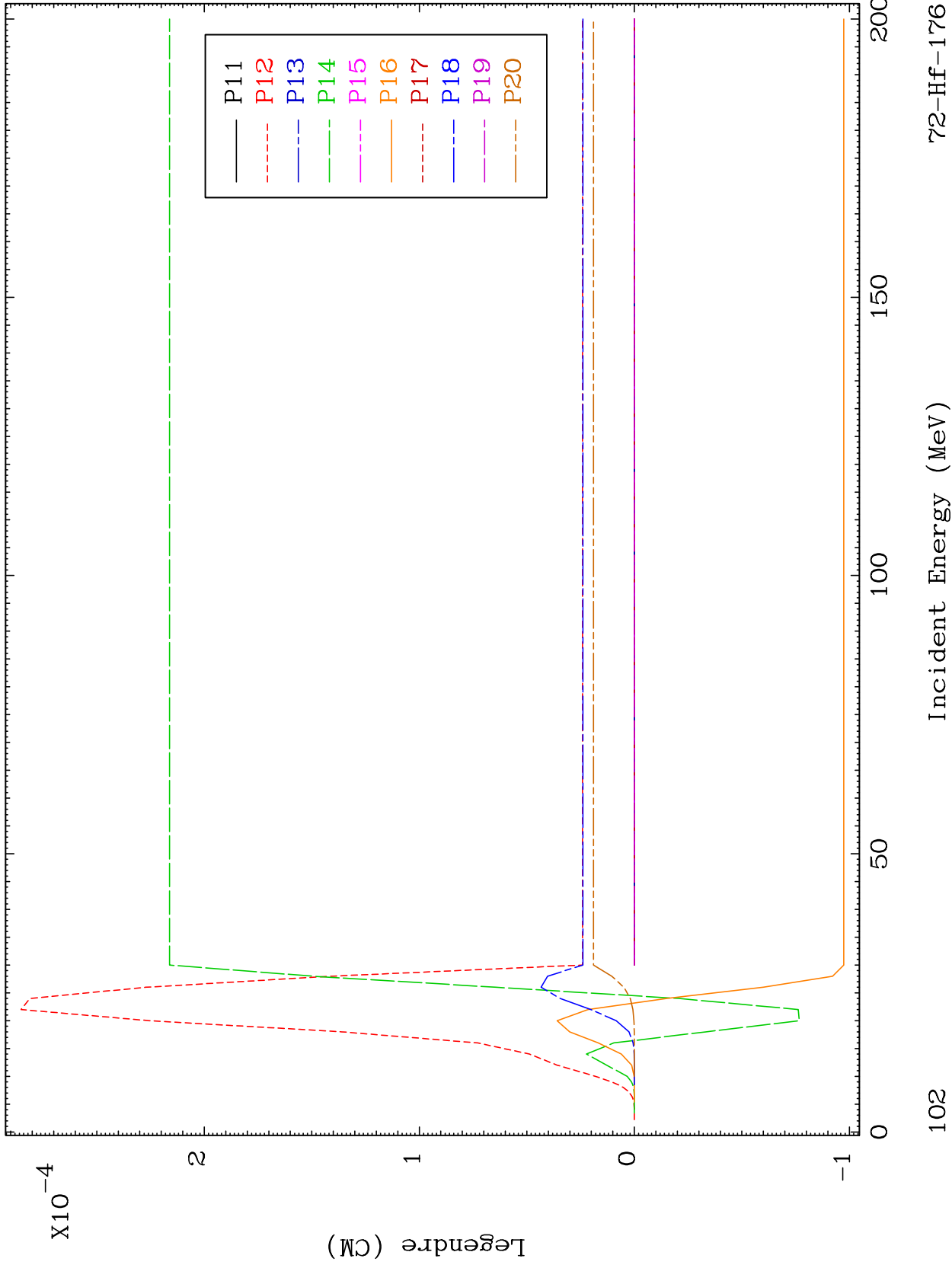
Incident Energy (MeV)

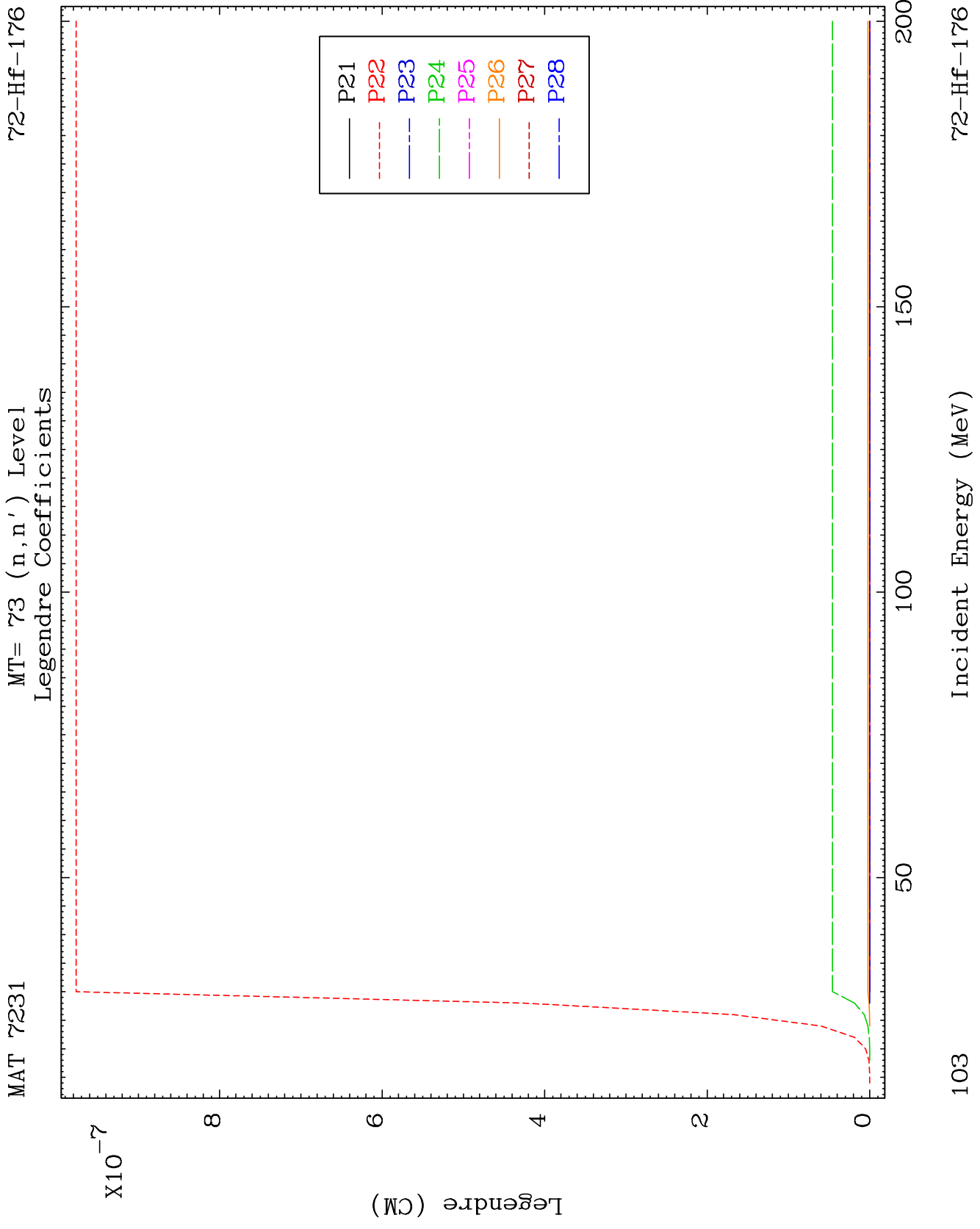
101

MAT 7231

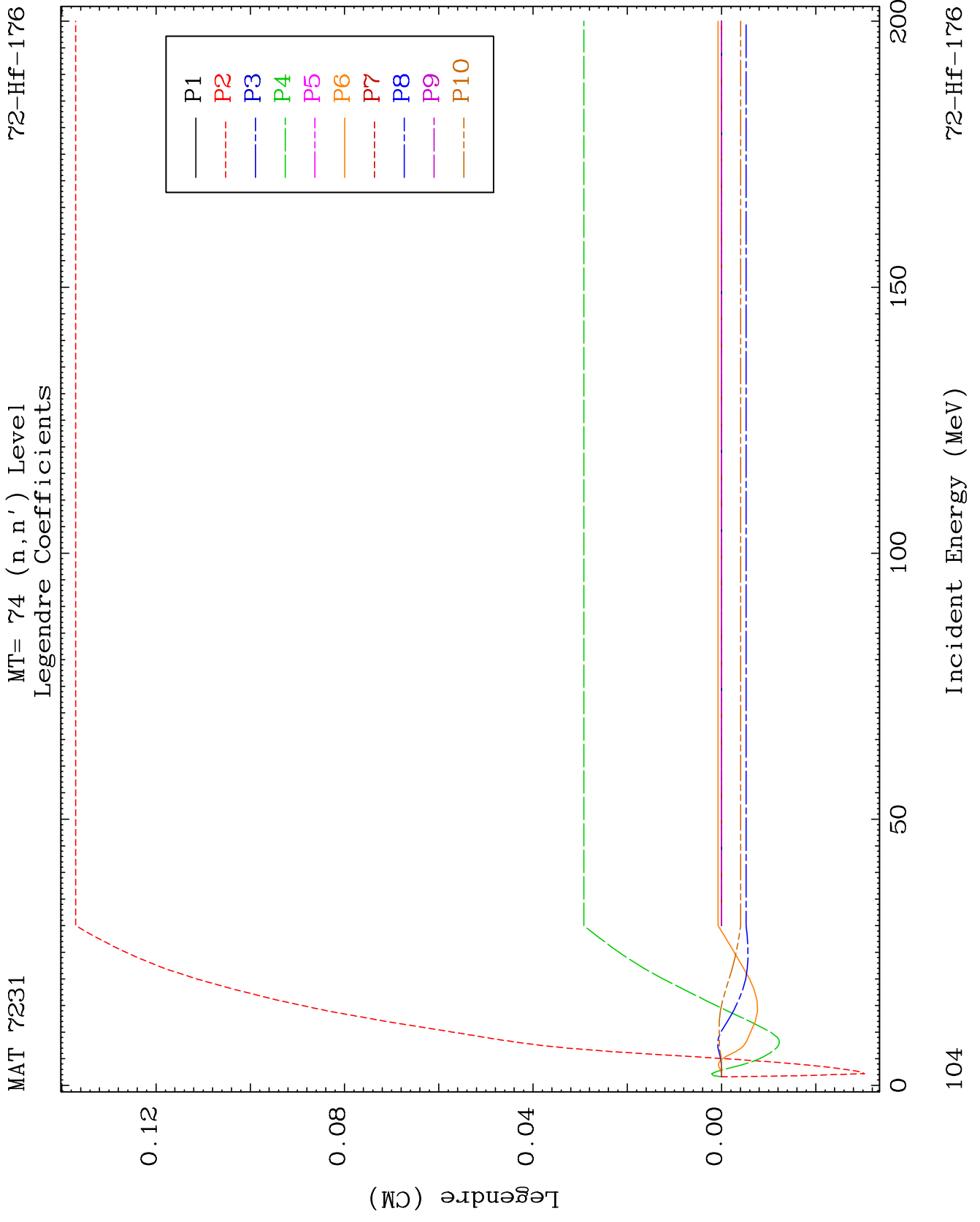
MT= 73 (n,n') Level  
Legendre Coefficients

72-Hf-176





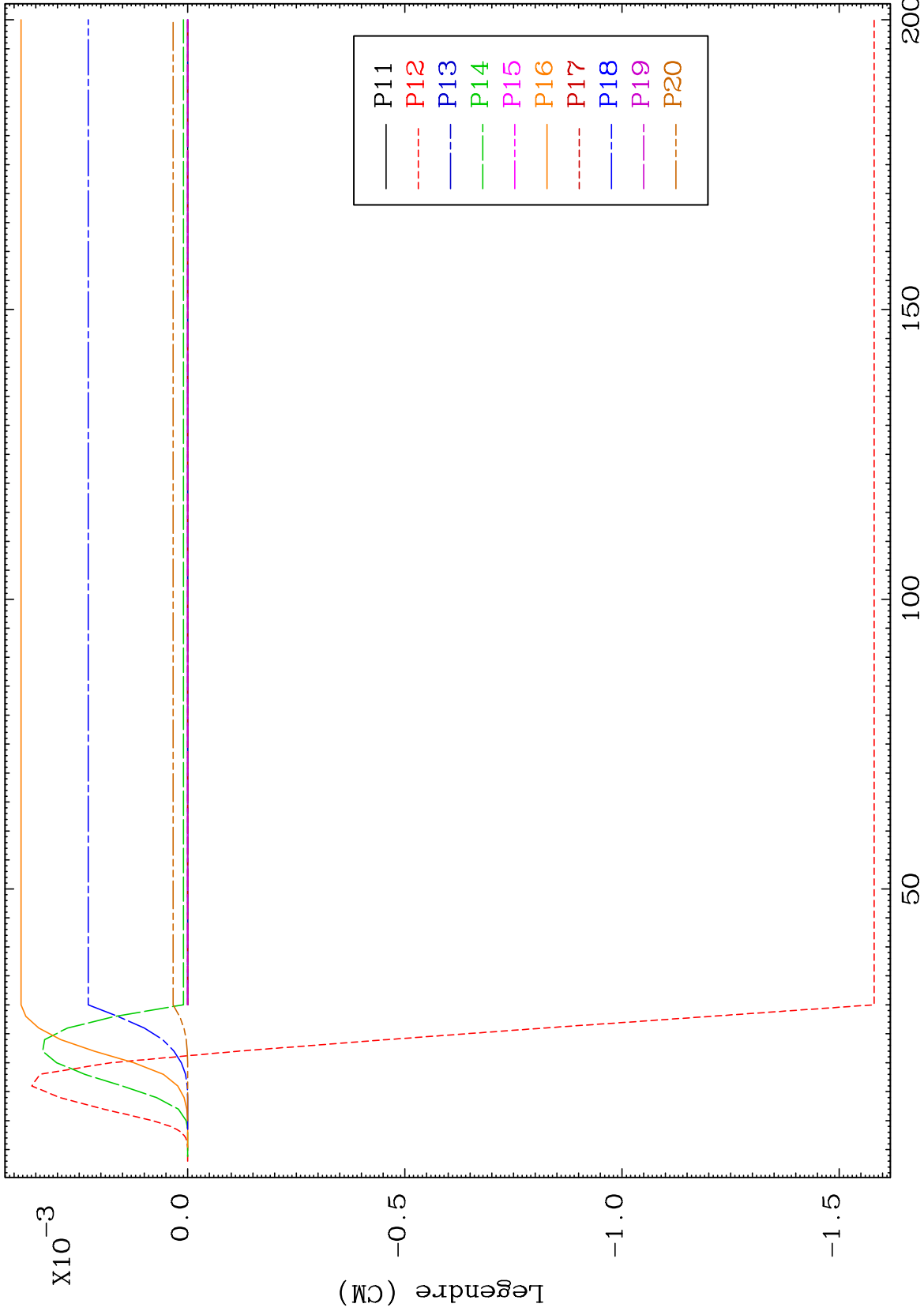




MAT 7231

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

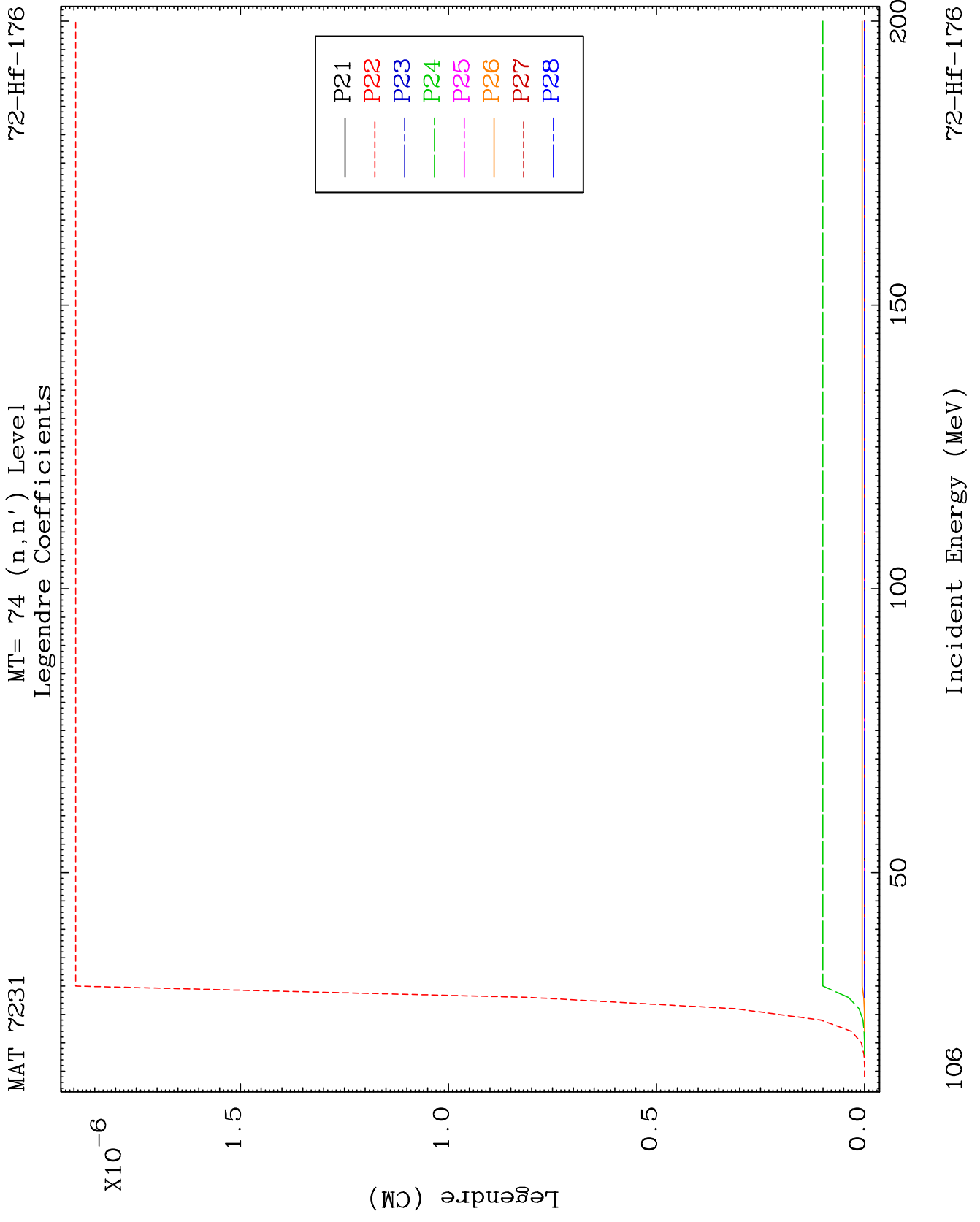
72-Hf-176

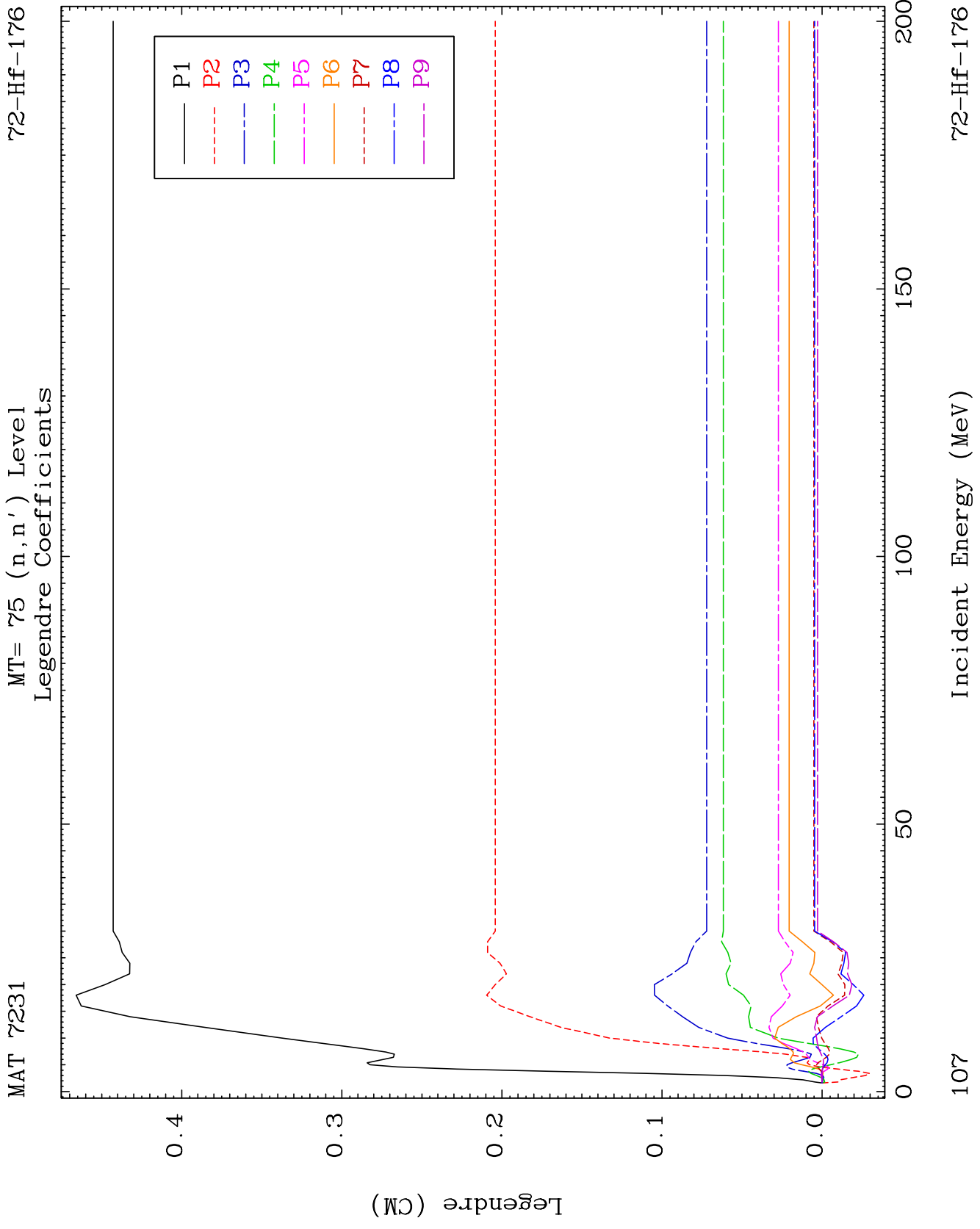


105

Incident Energy (MeV)

72-Hf-176

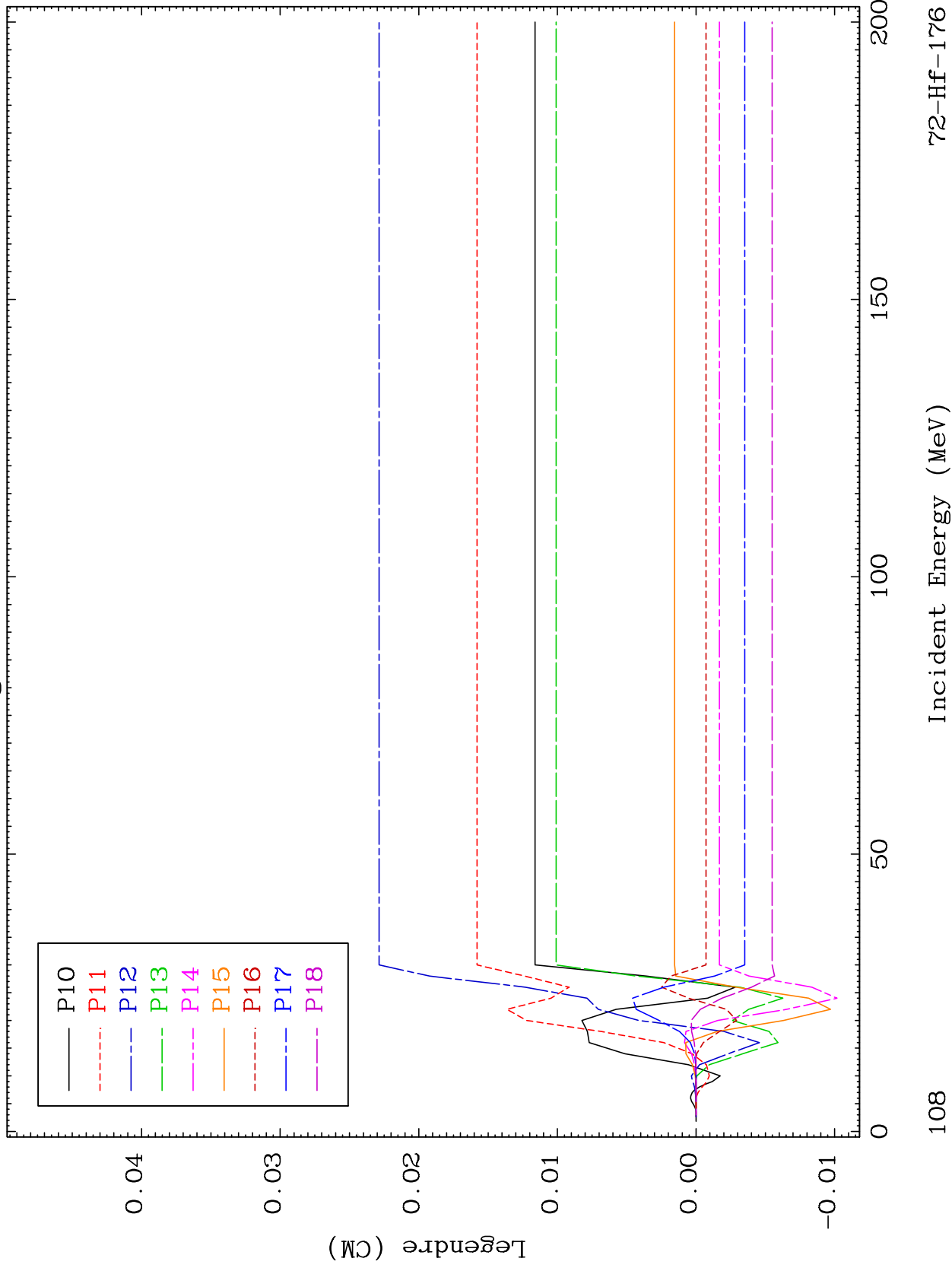




MAT 7231

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

72-Hf-176



72-Hf-176

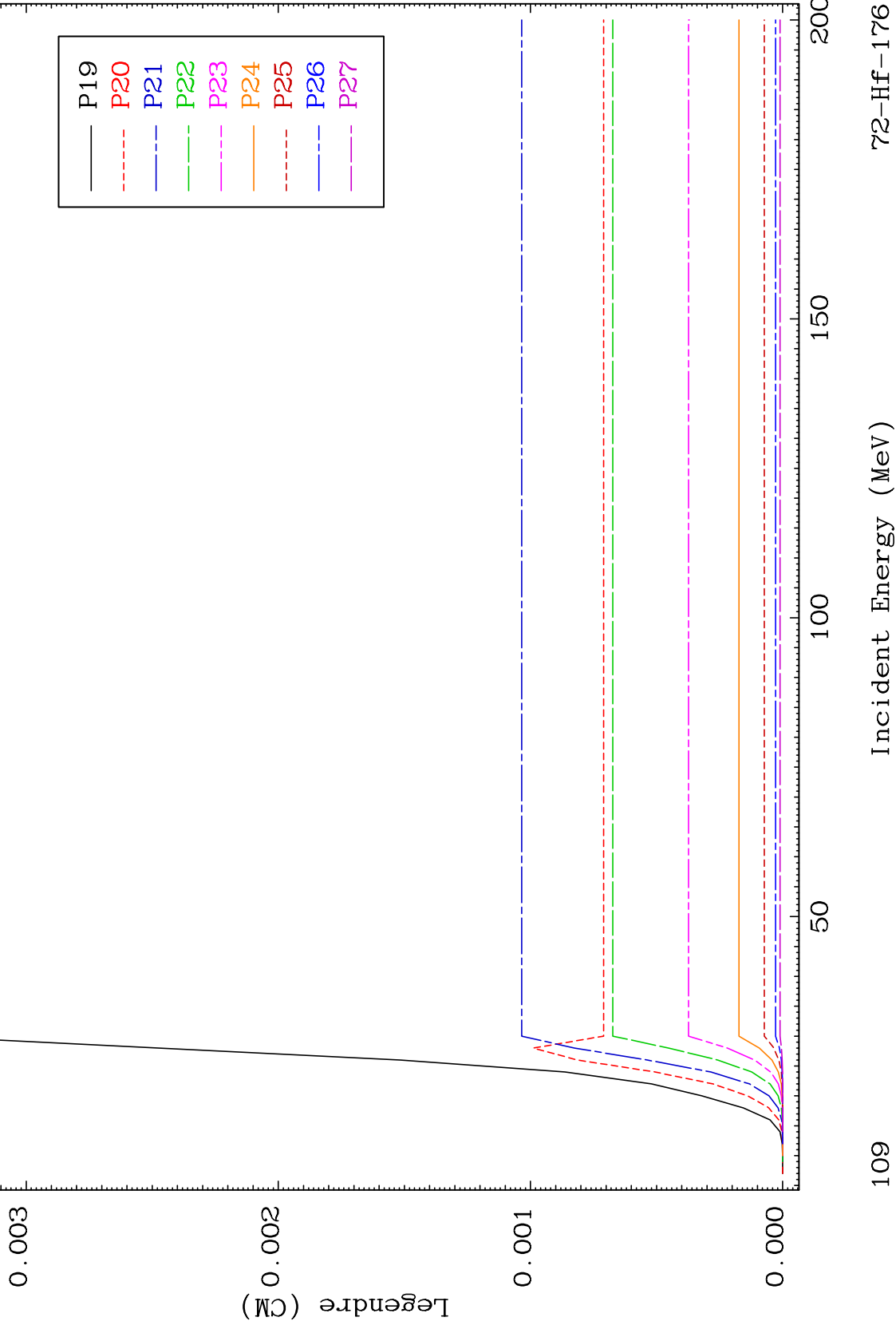
Incident Energy (MeV)

108

MAT 7231

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

72-Hf-176



109

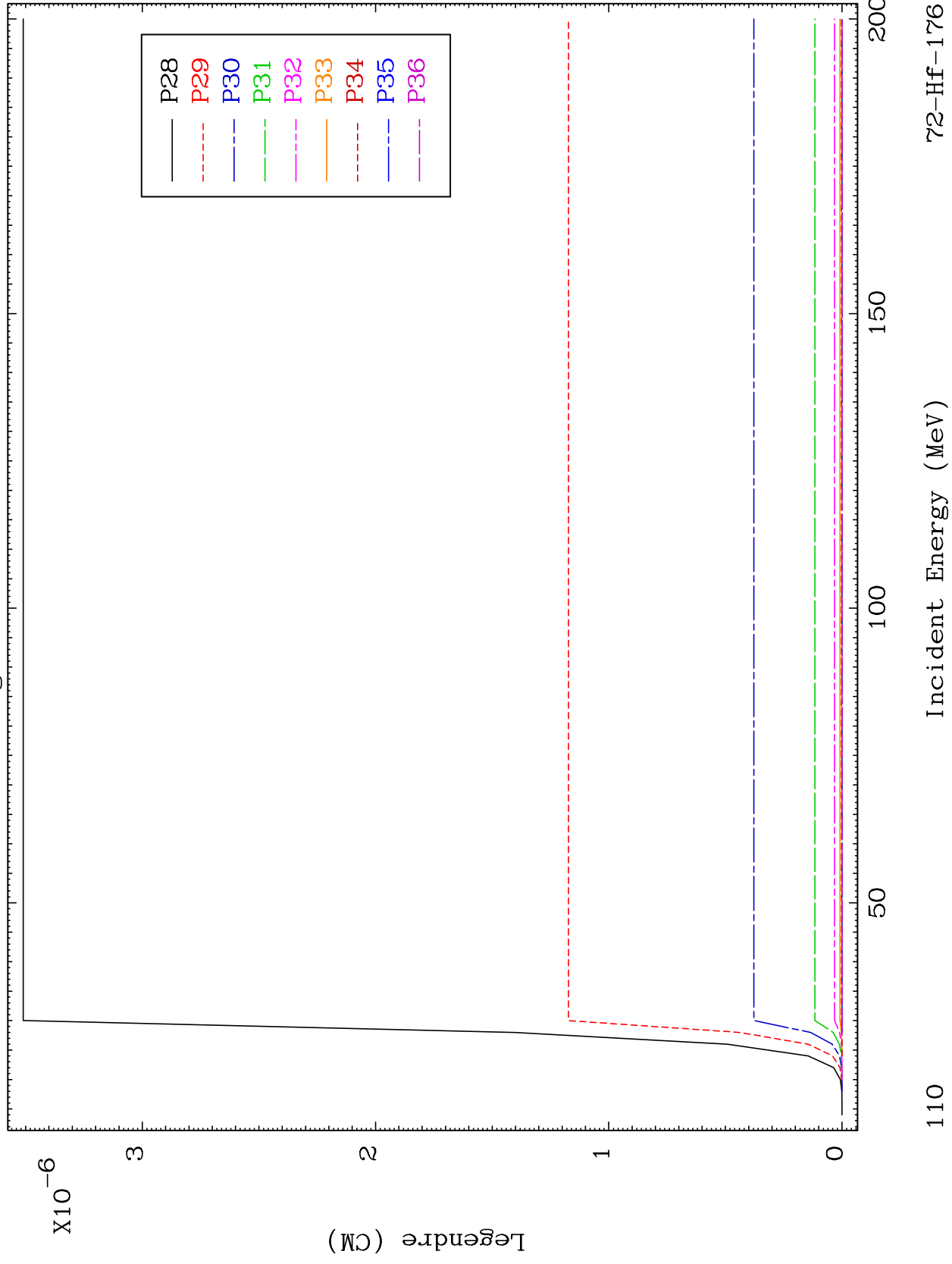
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

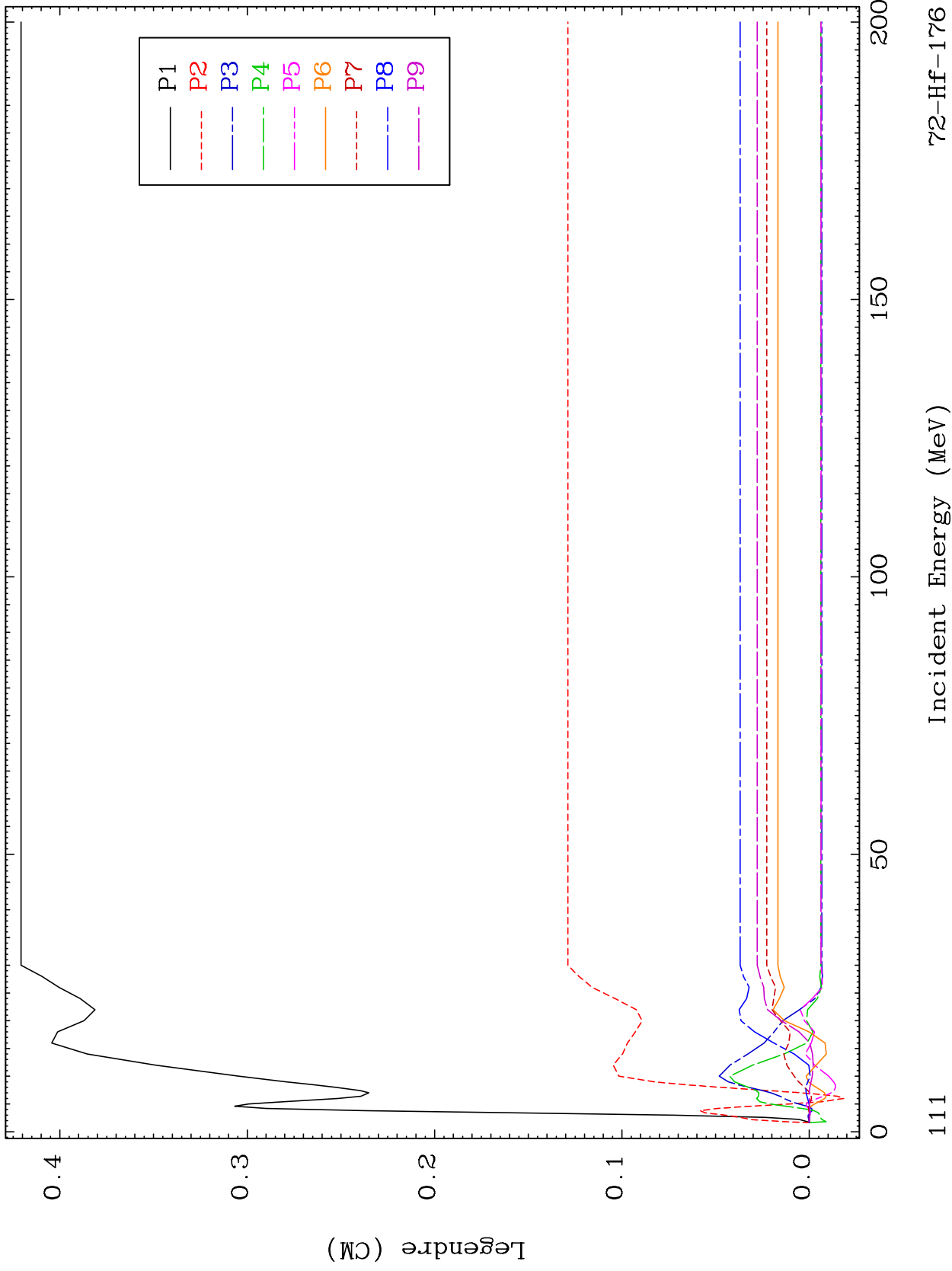
72-Hf-176



MAT 7231

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

72-Hf-176

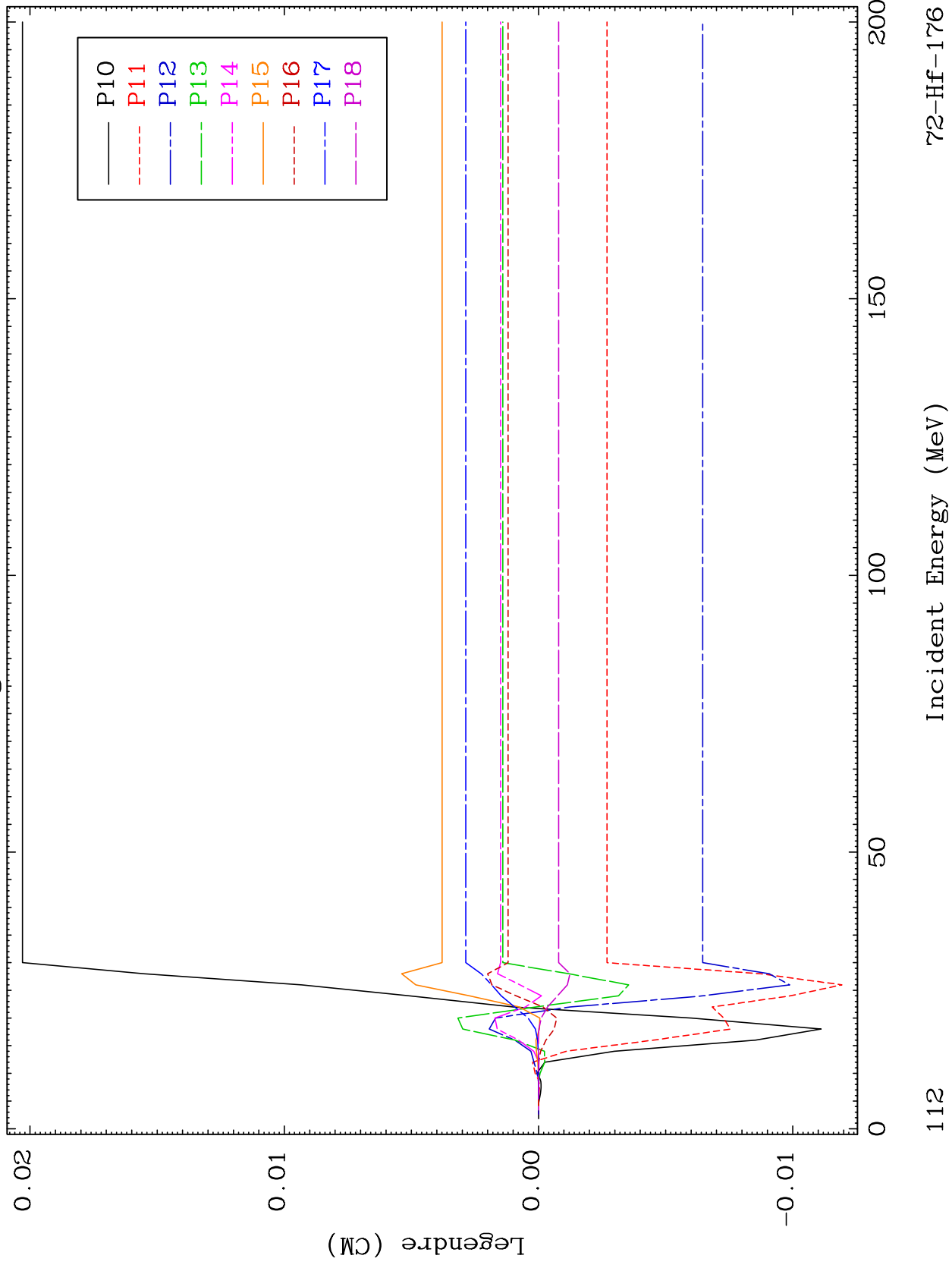




MAT 7231

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

72-Hf-176



112

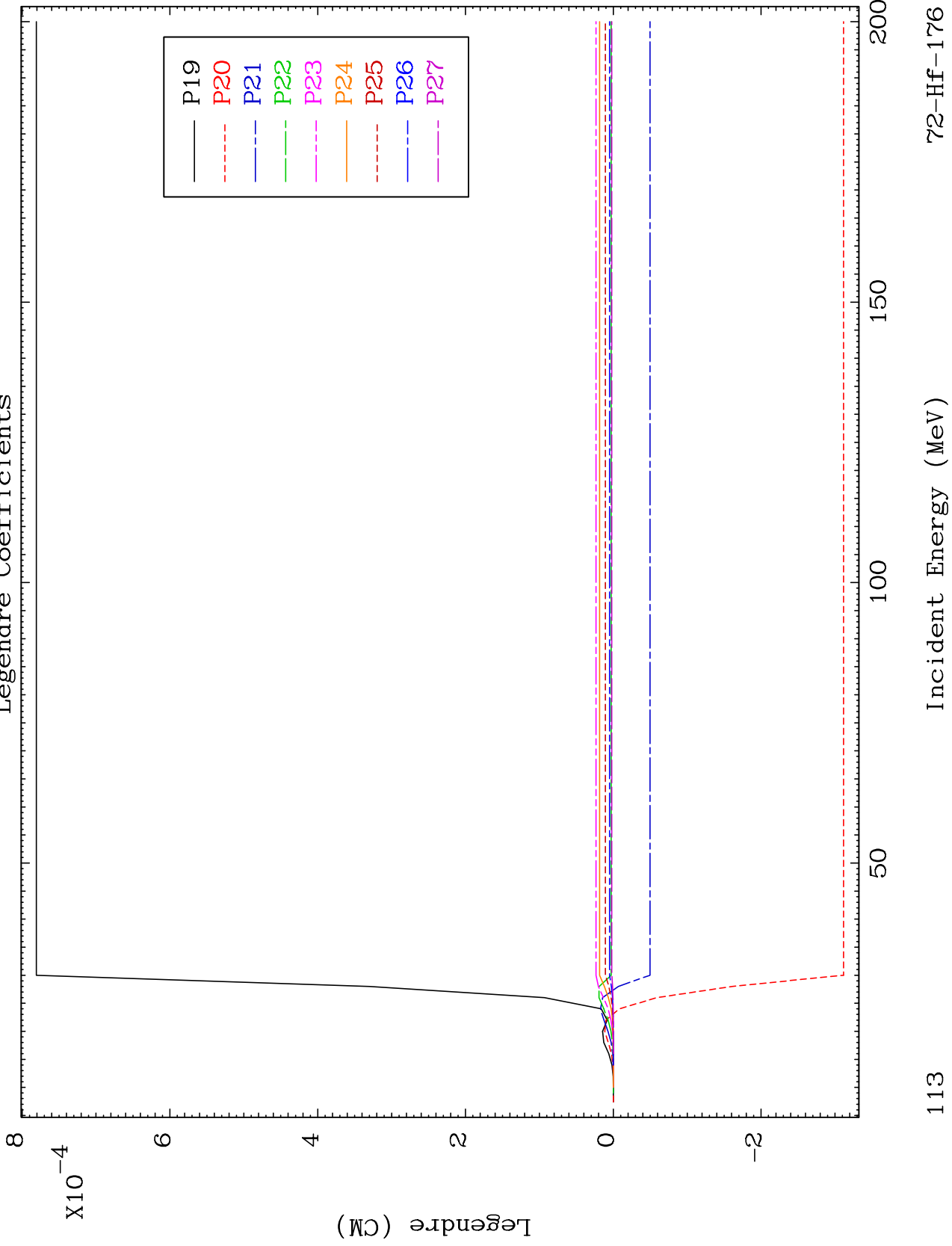
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

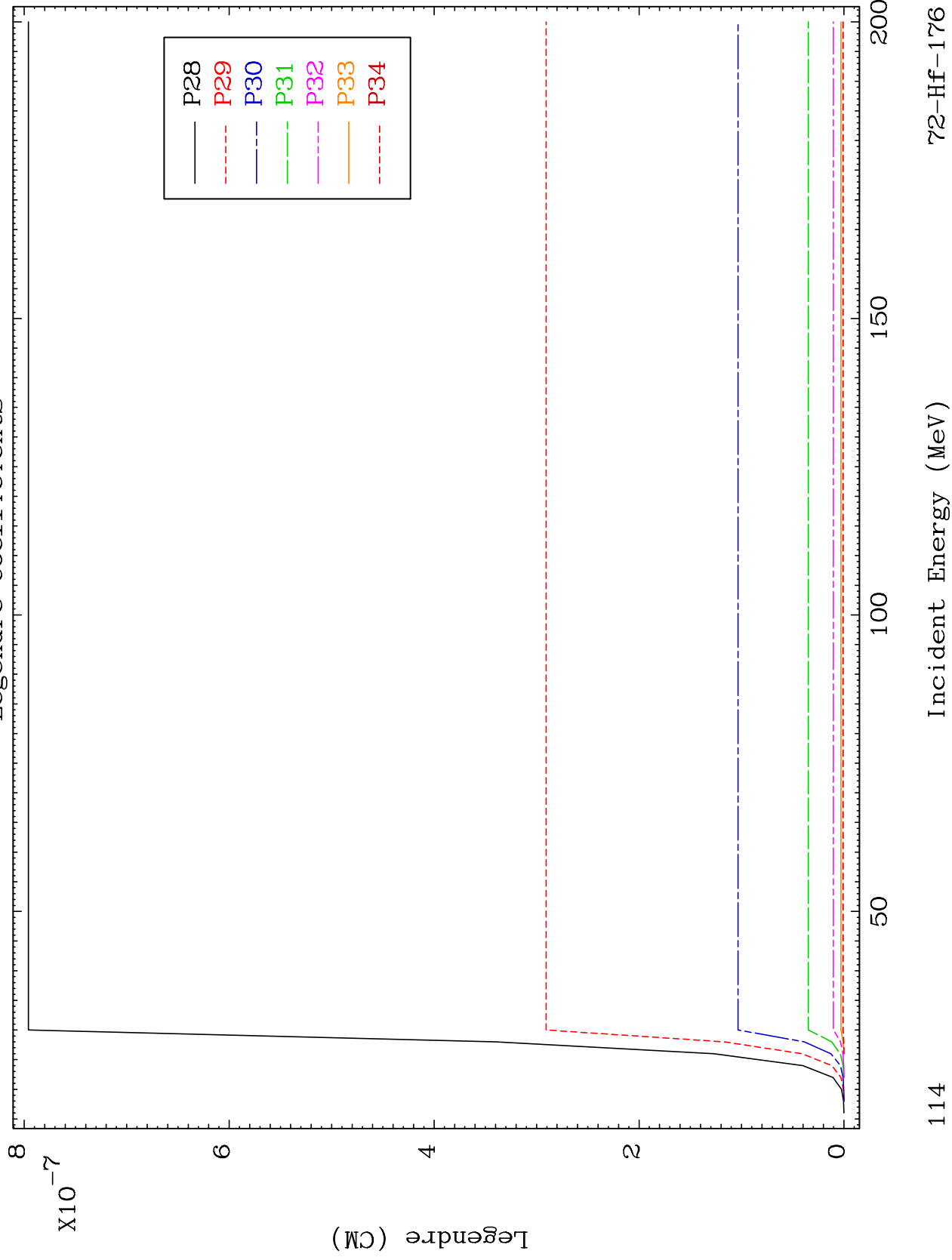
72-Hf-176



MAT 7231

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

72-Hf-176



114

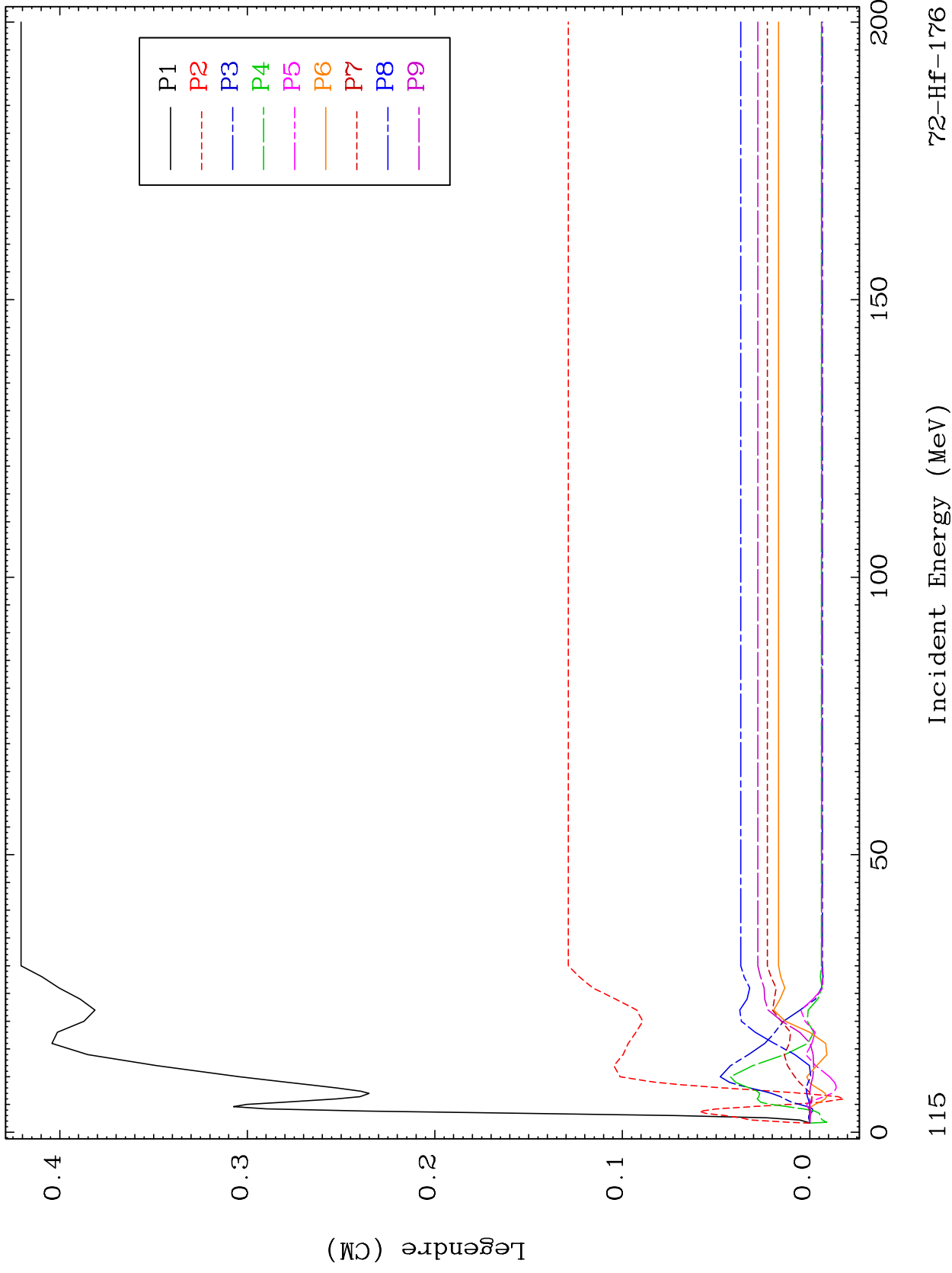
Incident Energy (MeV)

72-Hf-176

MAT 7231

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

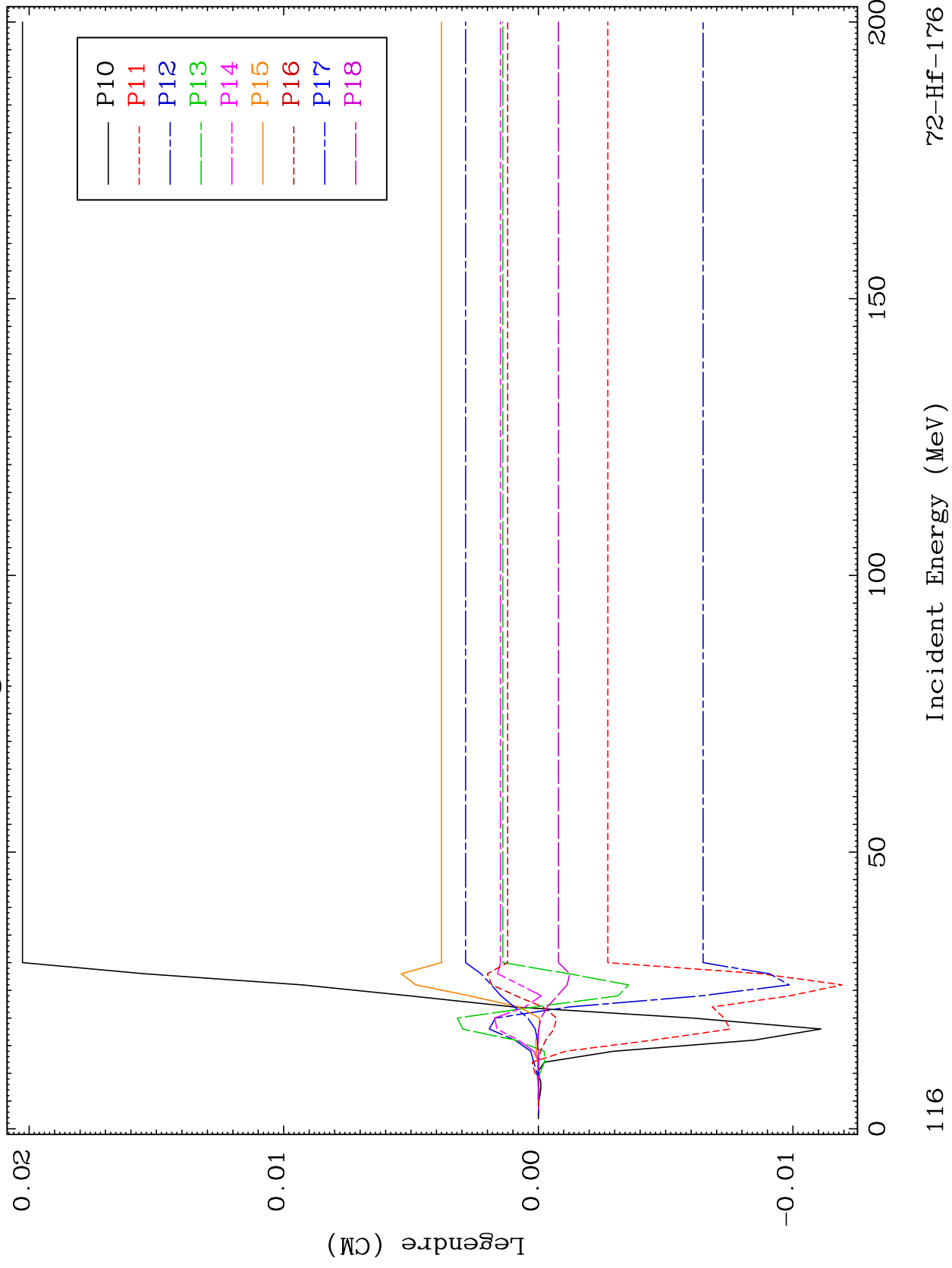
72-Hf-176



MAT 7231

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

72-Hf-176



72-Hf-176

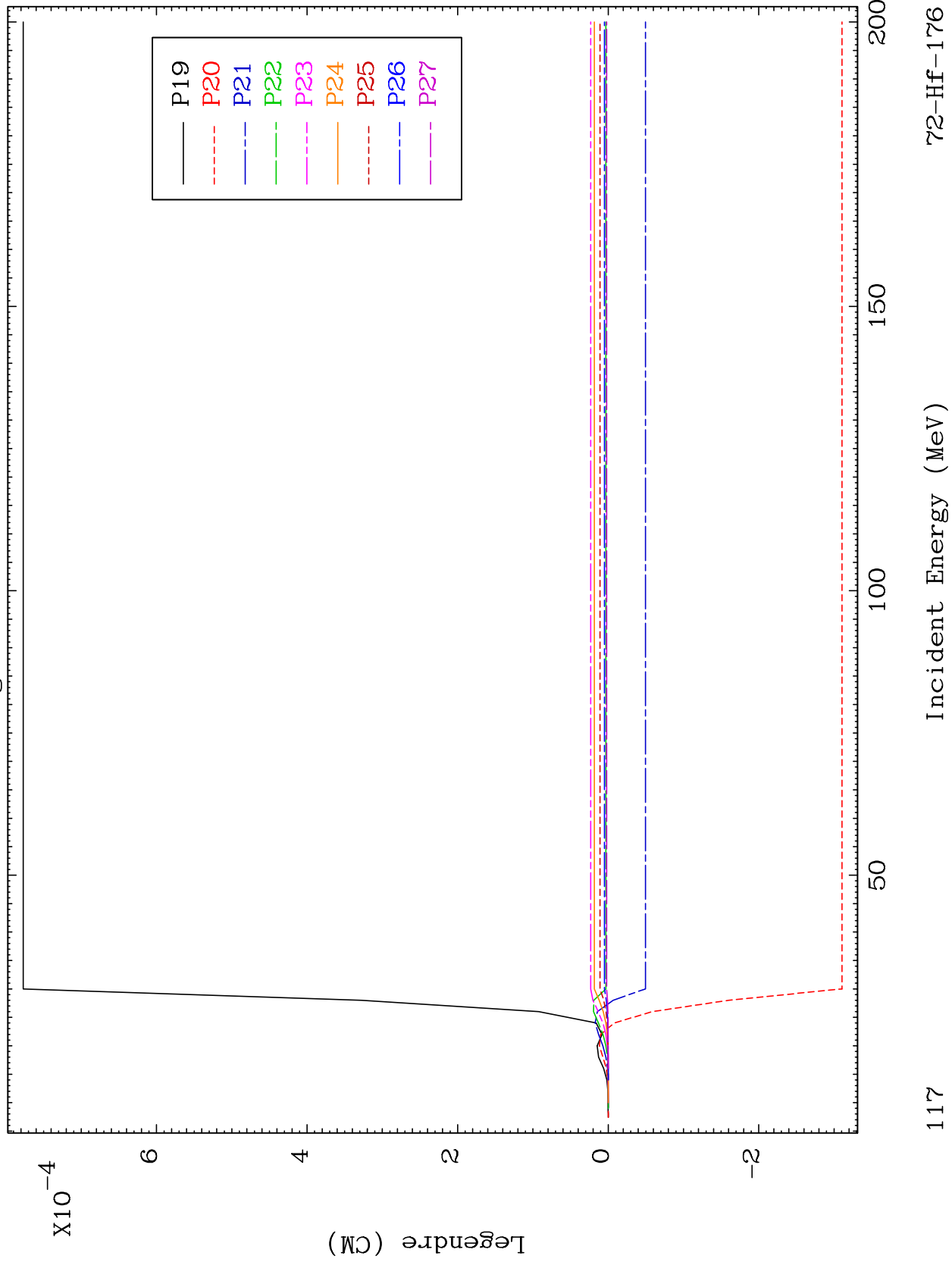
Incident Energy (MeV)

116

MAT 7231

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

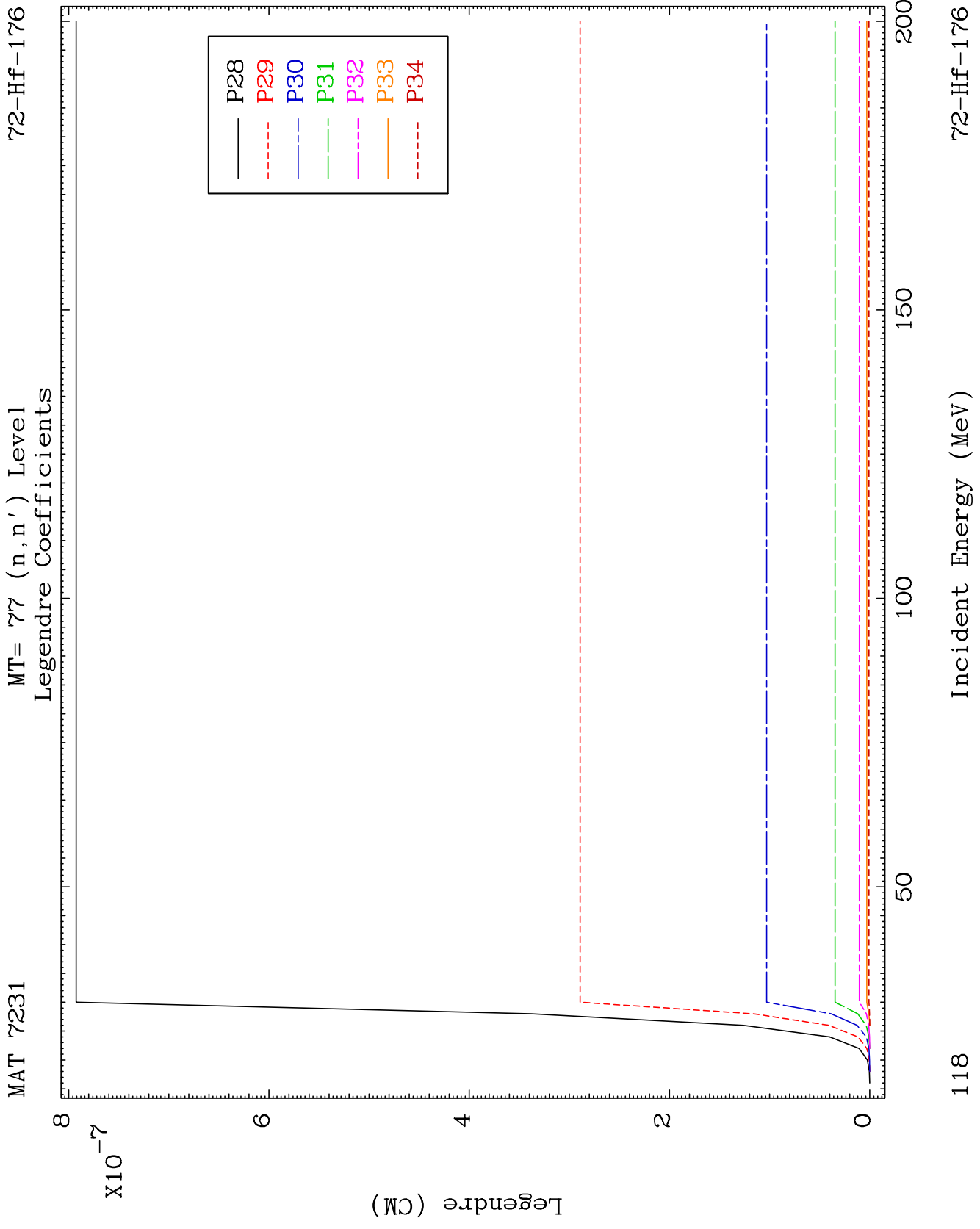
72-Hf-176



117

Incident Energy (MeV)

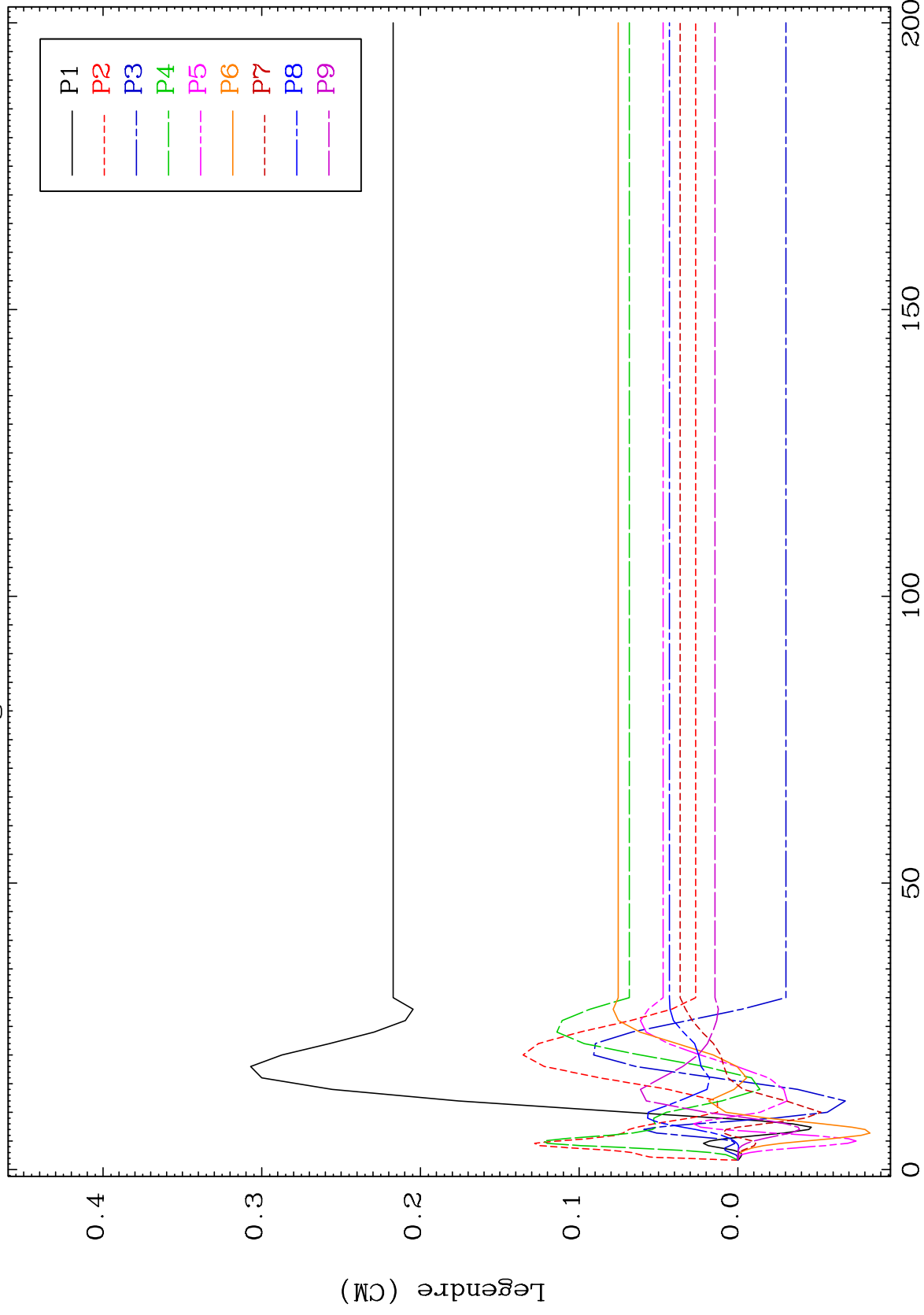
72-Hf-176



MAT 7231

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

72-Hf-176



119

Incident Energy (MeV)

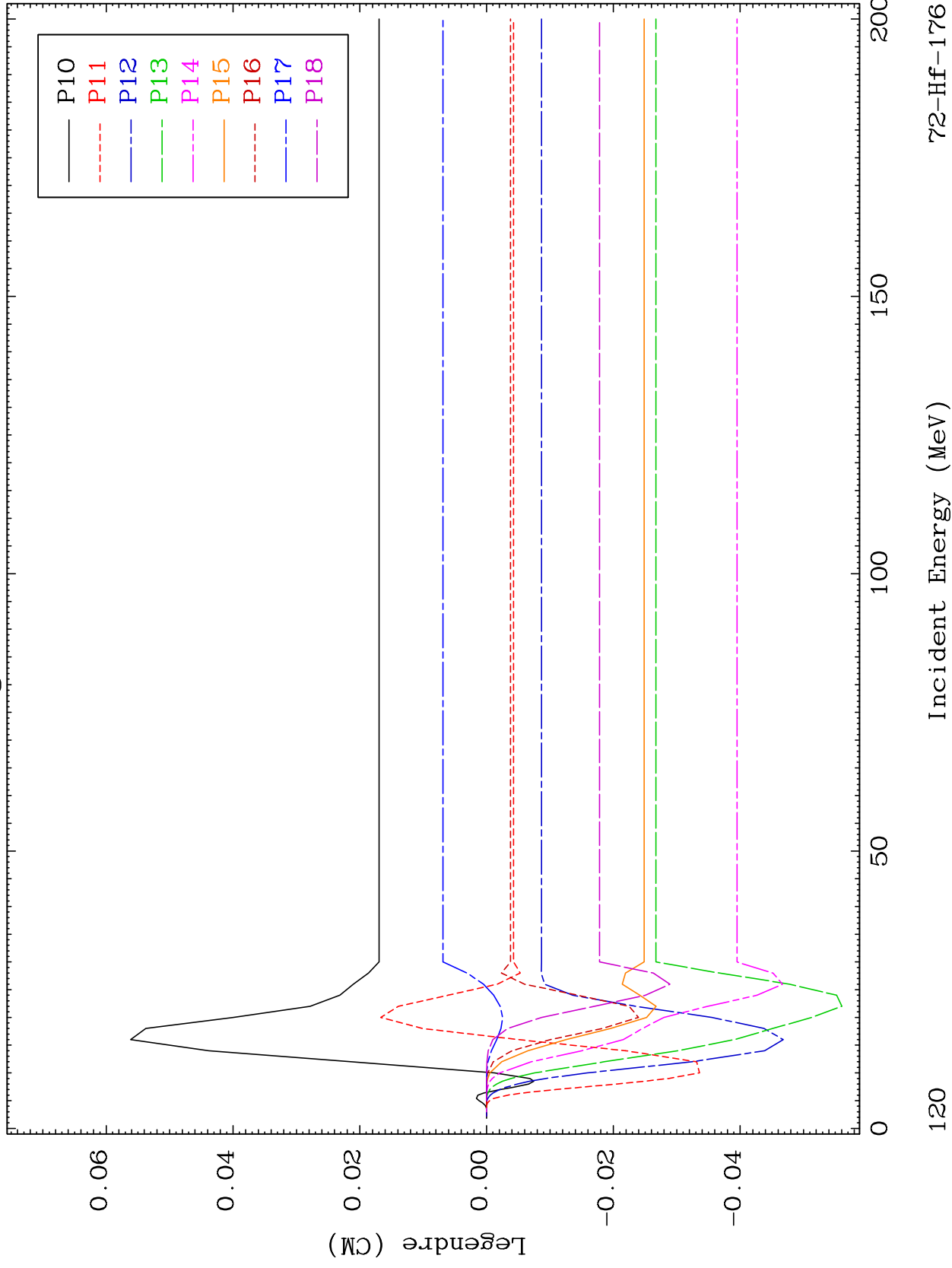
72-Hf-176



MAT 7231

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

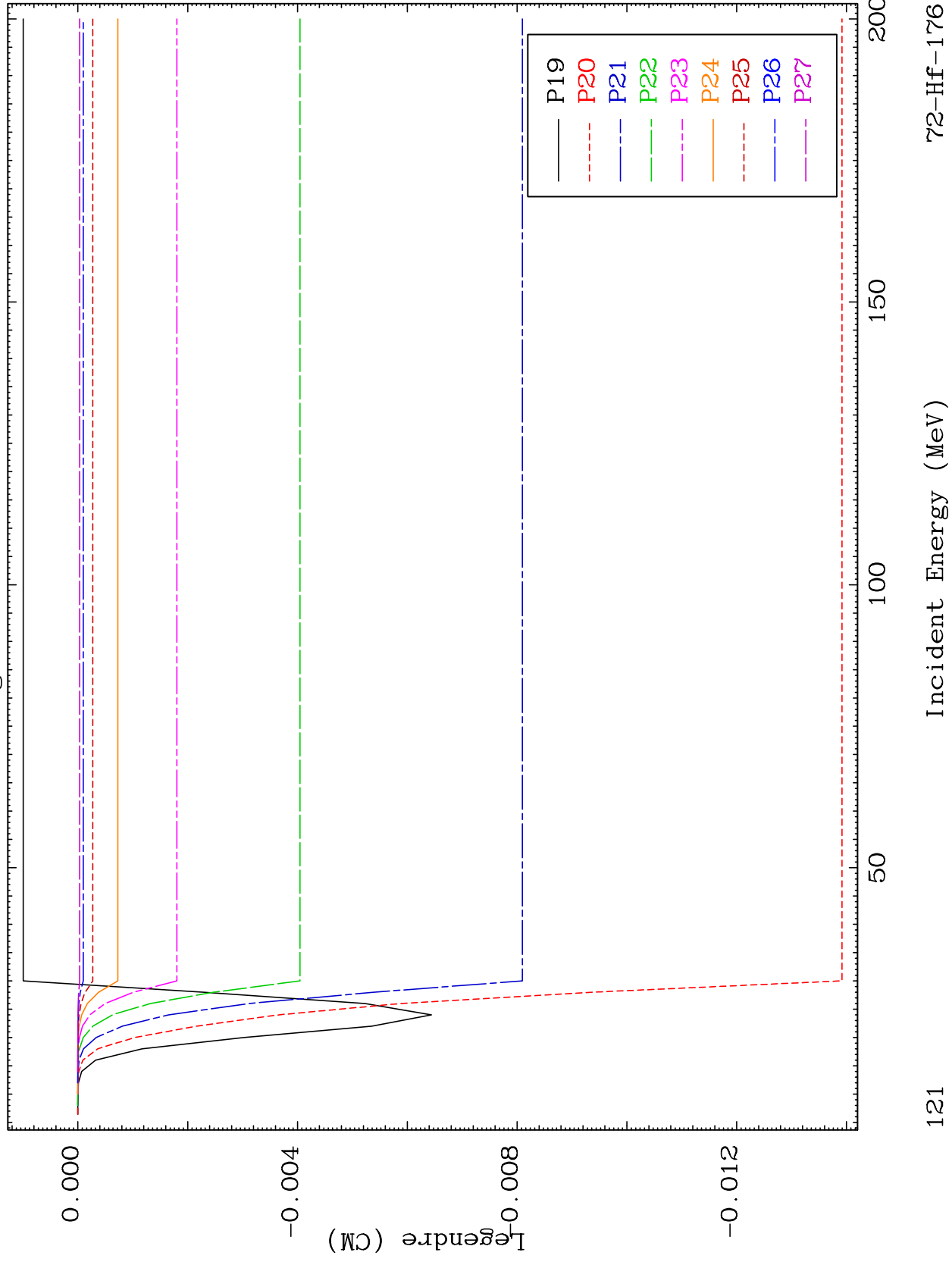
72-Hf-176



MAT 7231

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

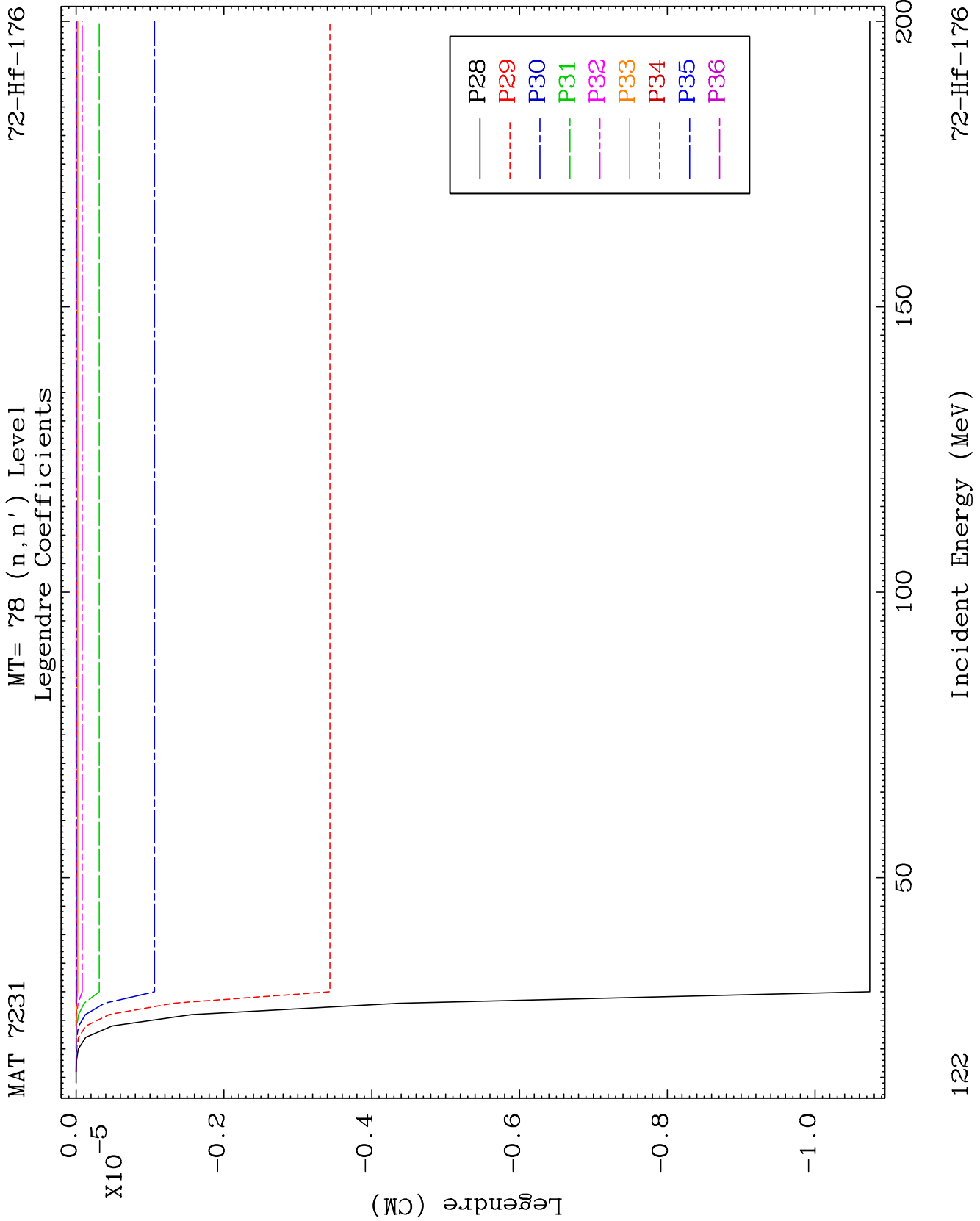
72-Hf-176



121

Incident Energy (MeV)

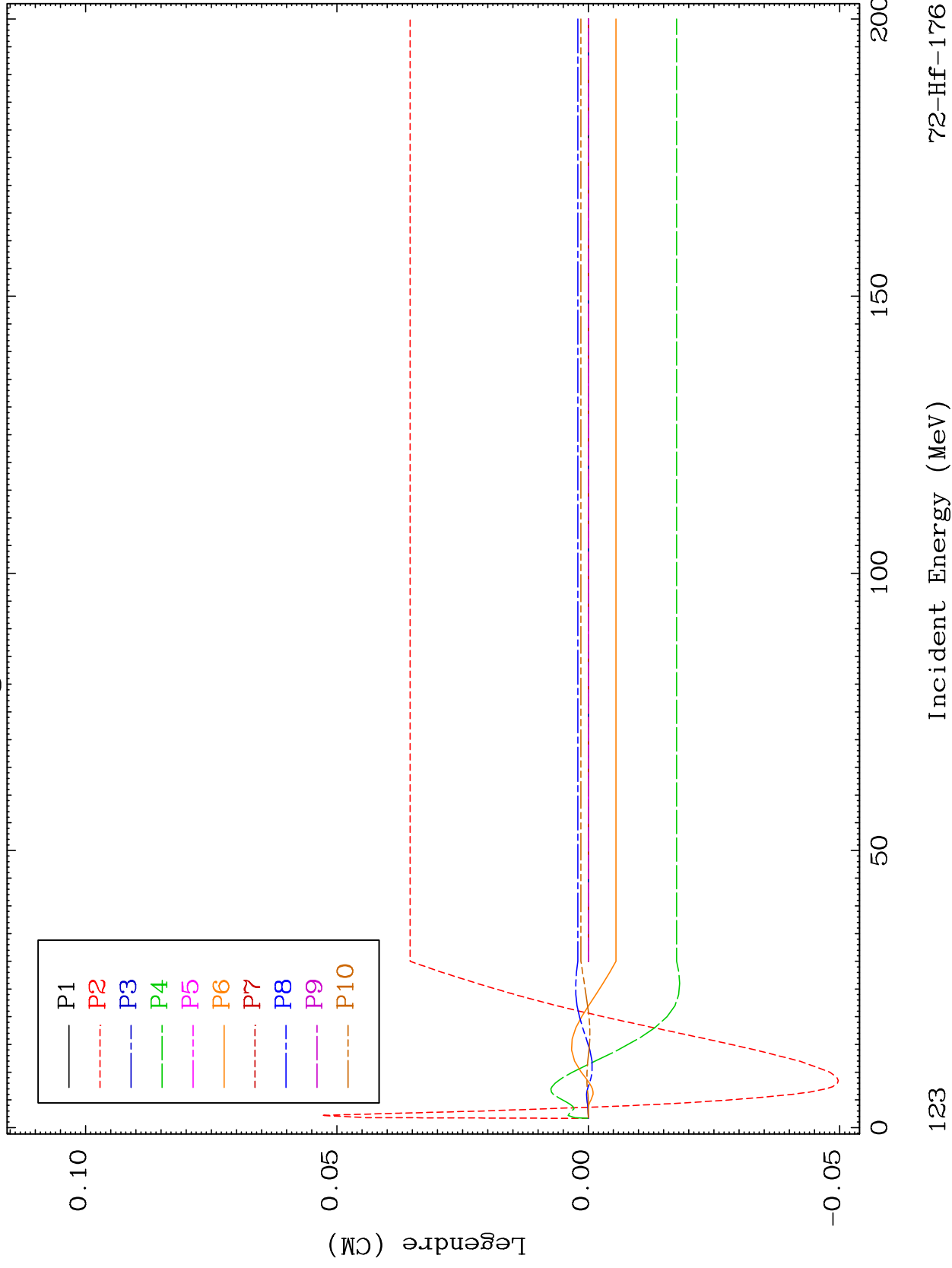
72-Hf-176



MAT 7231

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

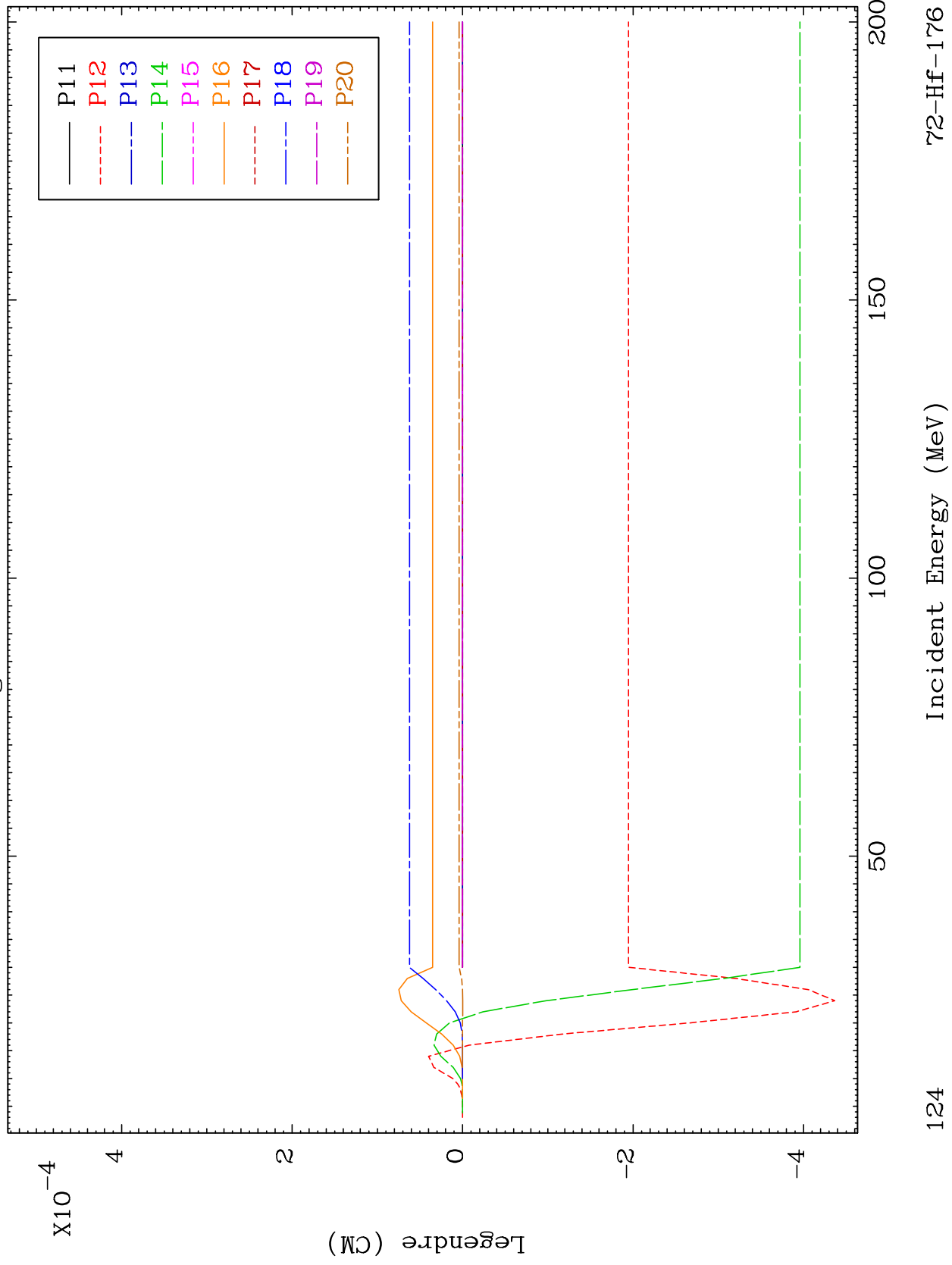
72-Hf-176



MAT 7231

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

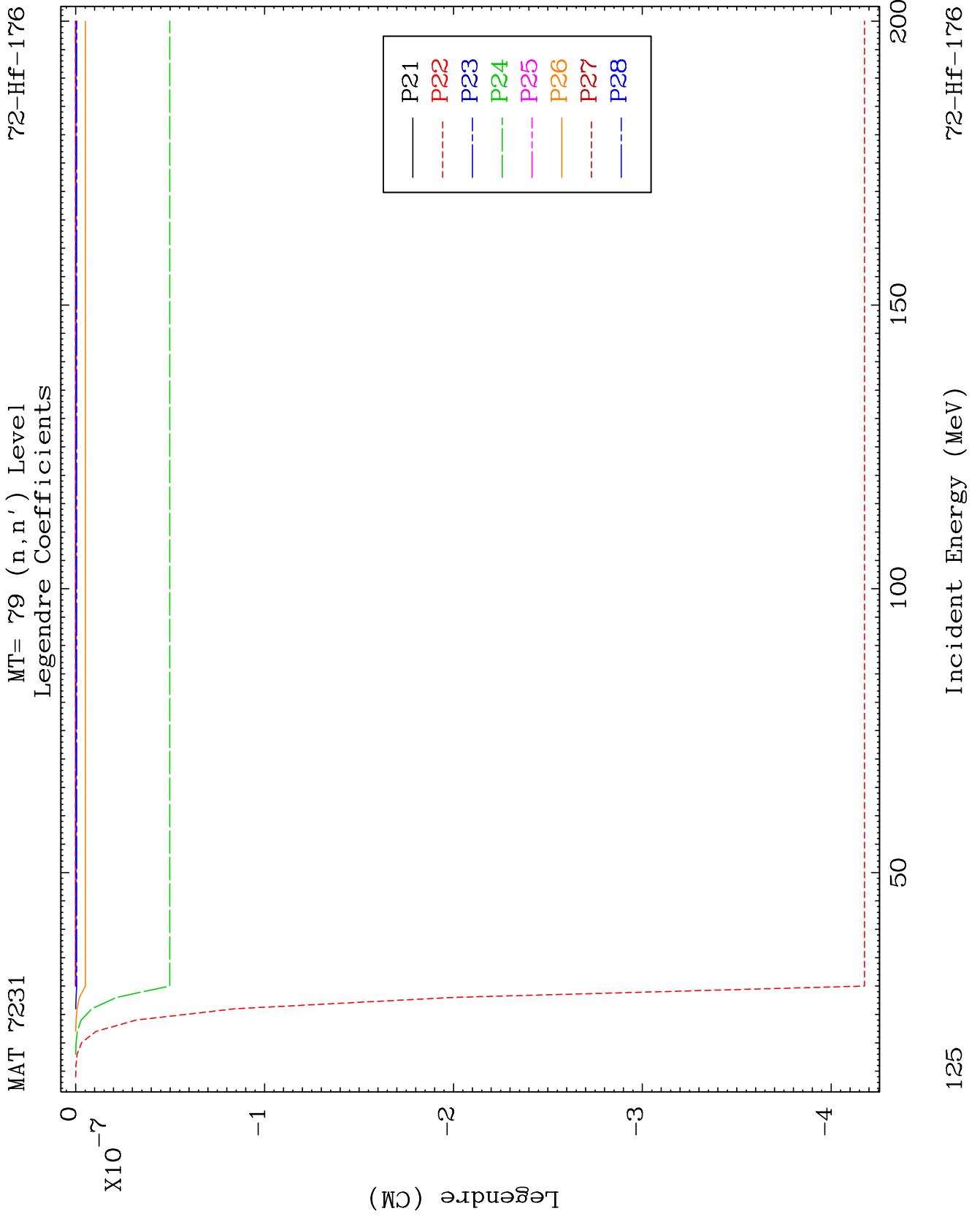
72-Hf-176

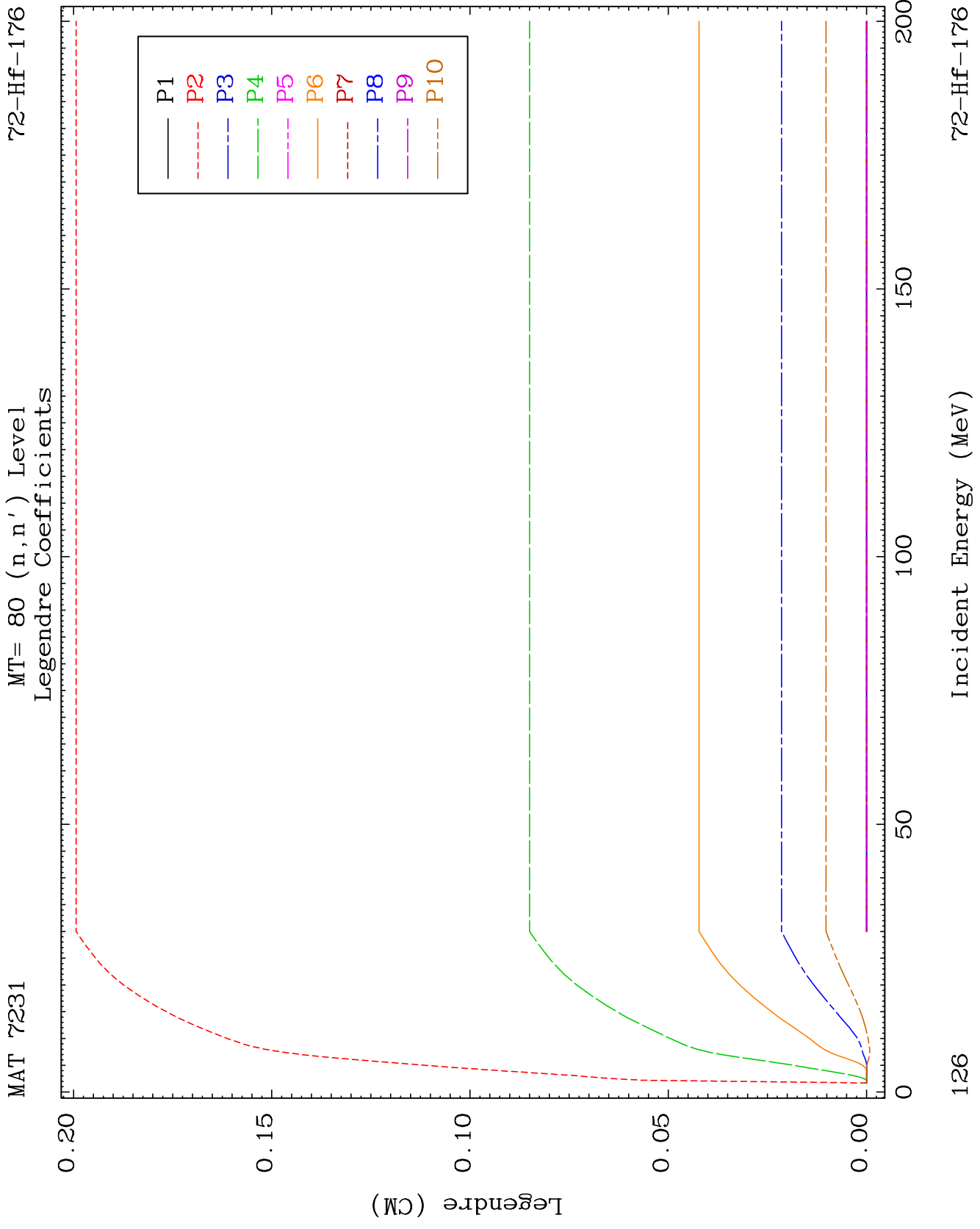


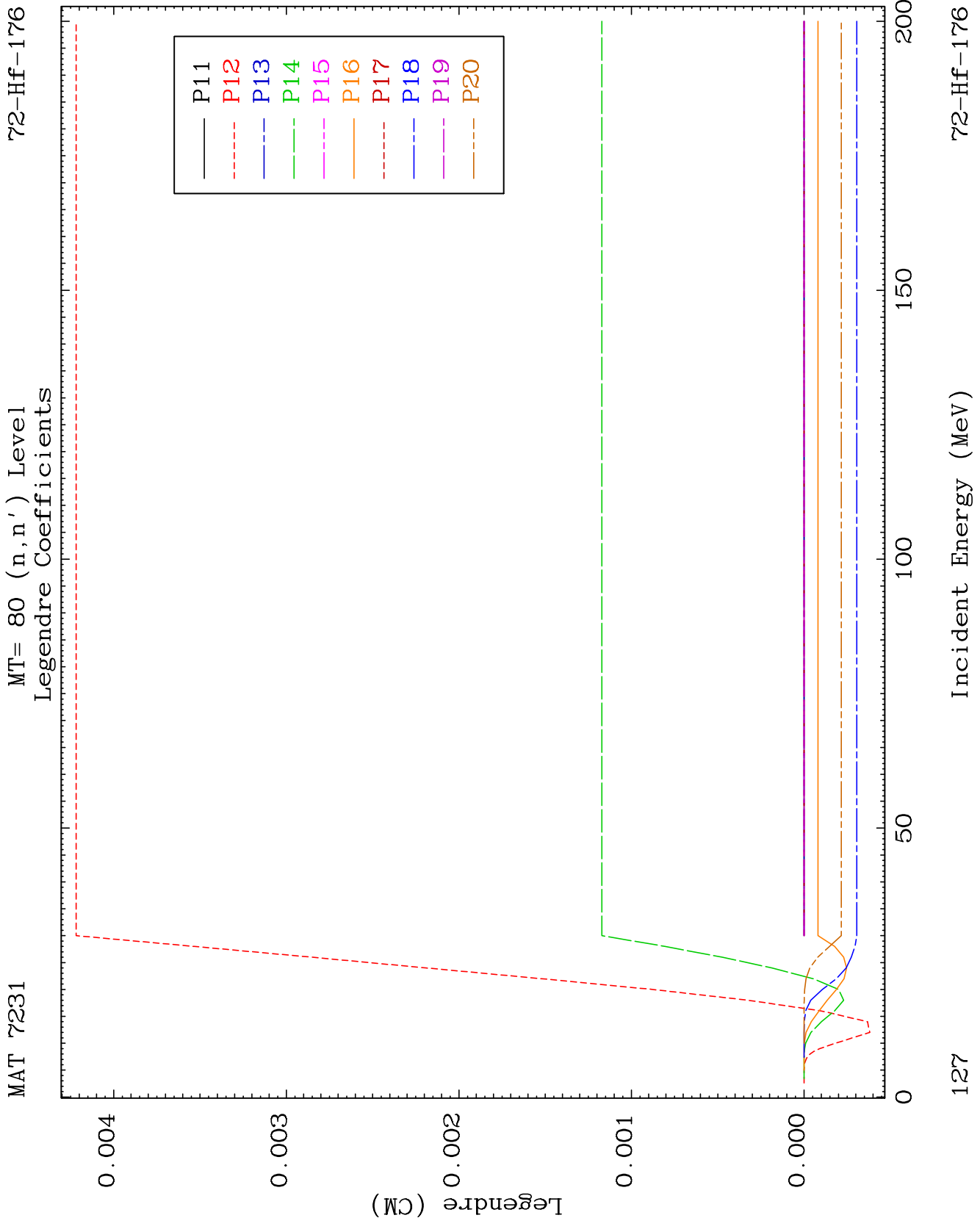
124

Incident Energy (MeV)

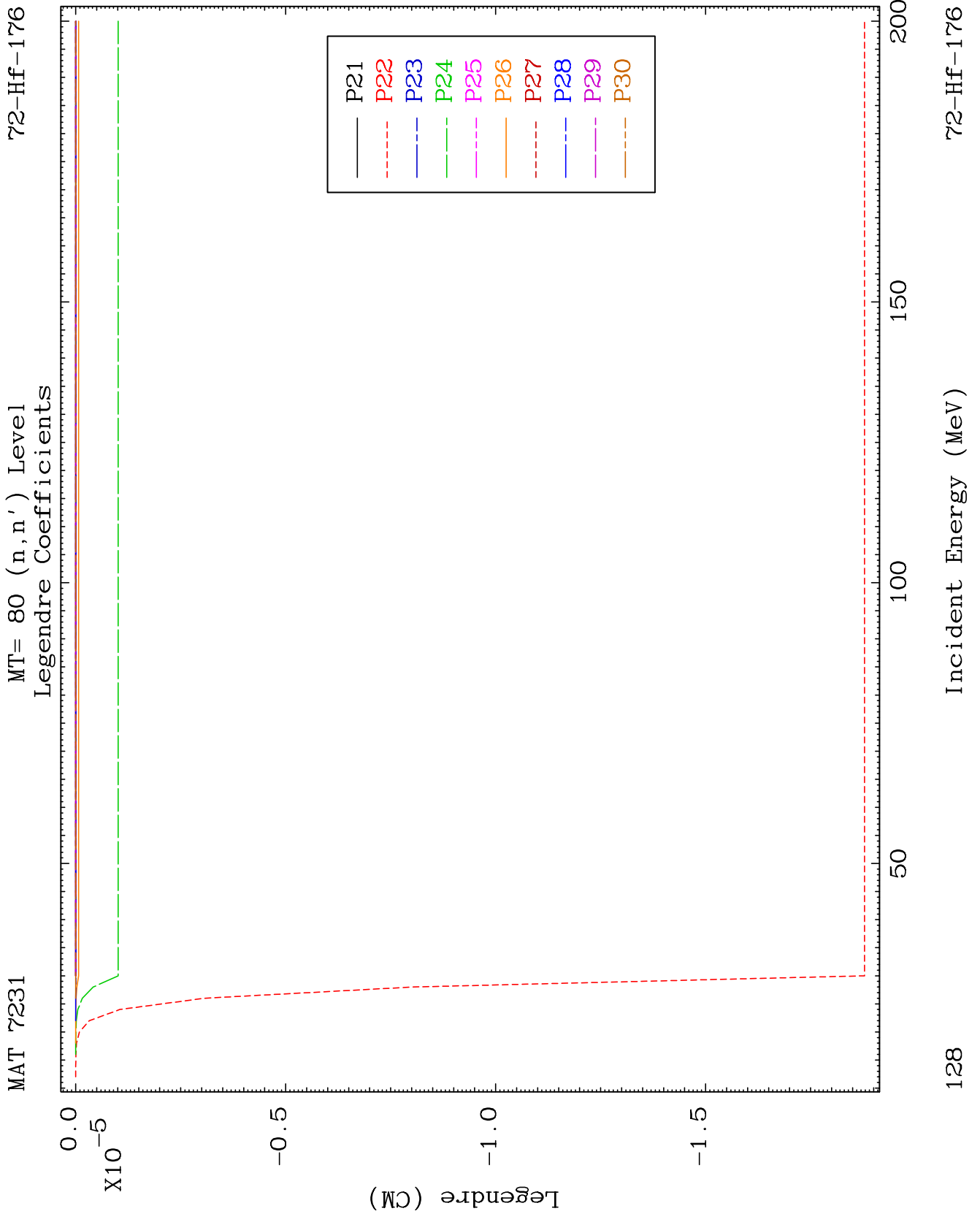
72-Hf-176



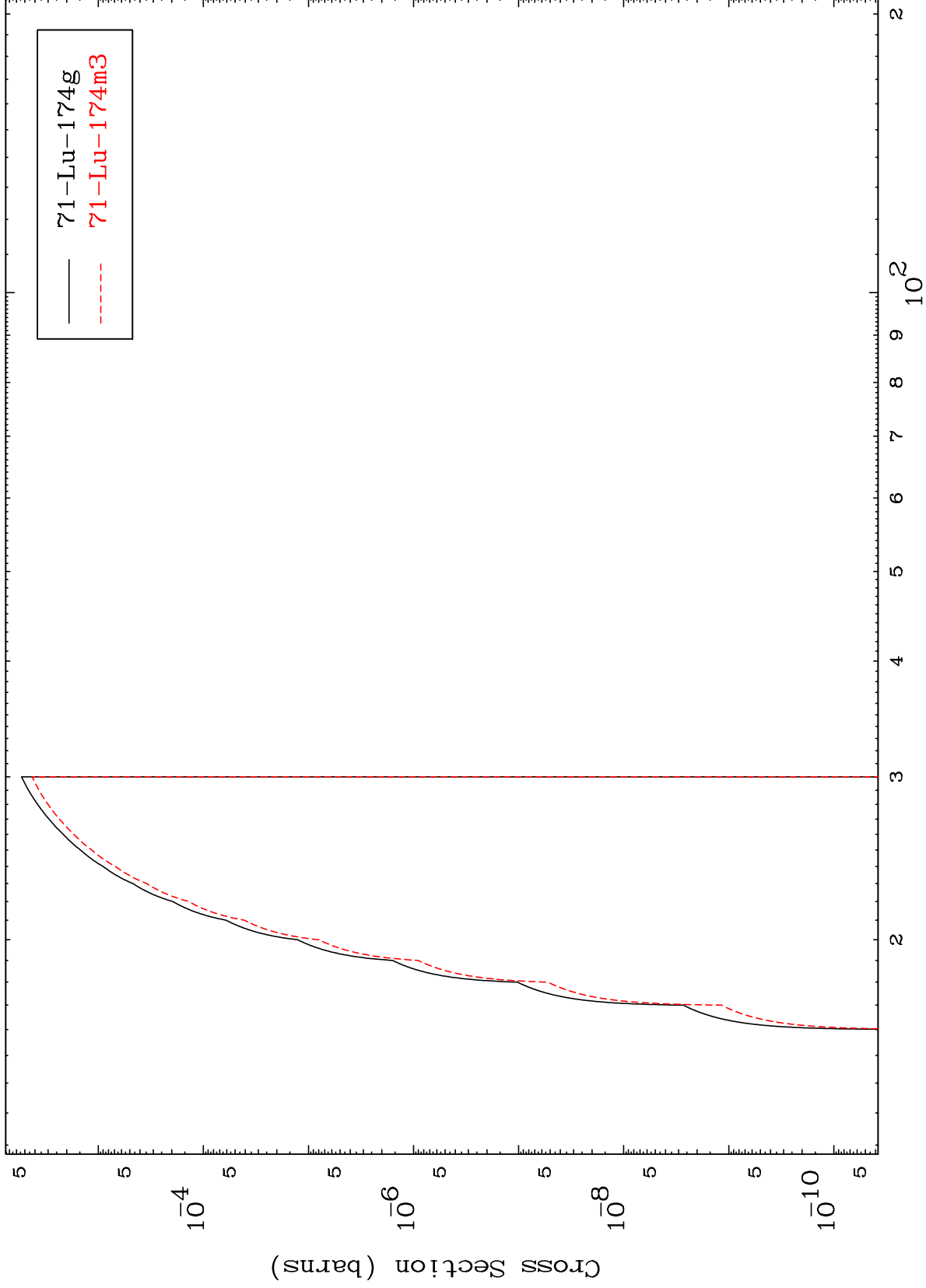








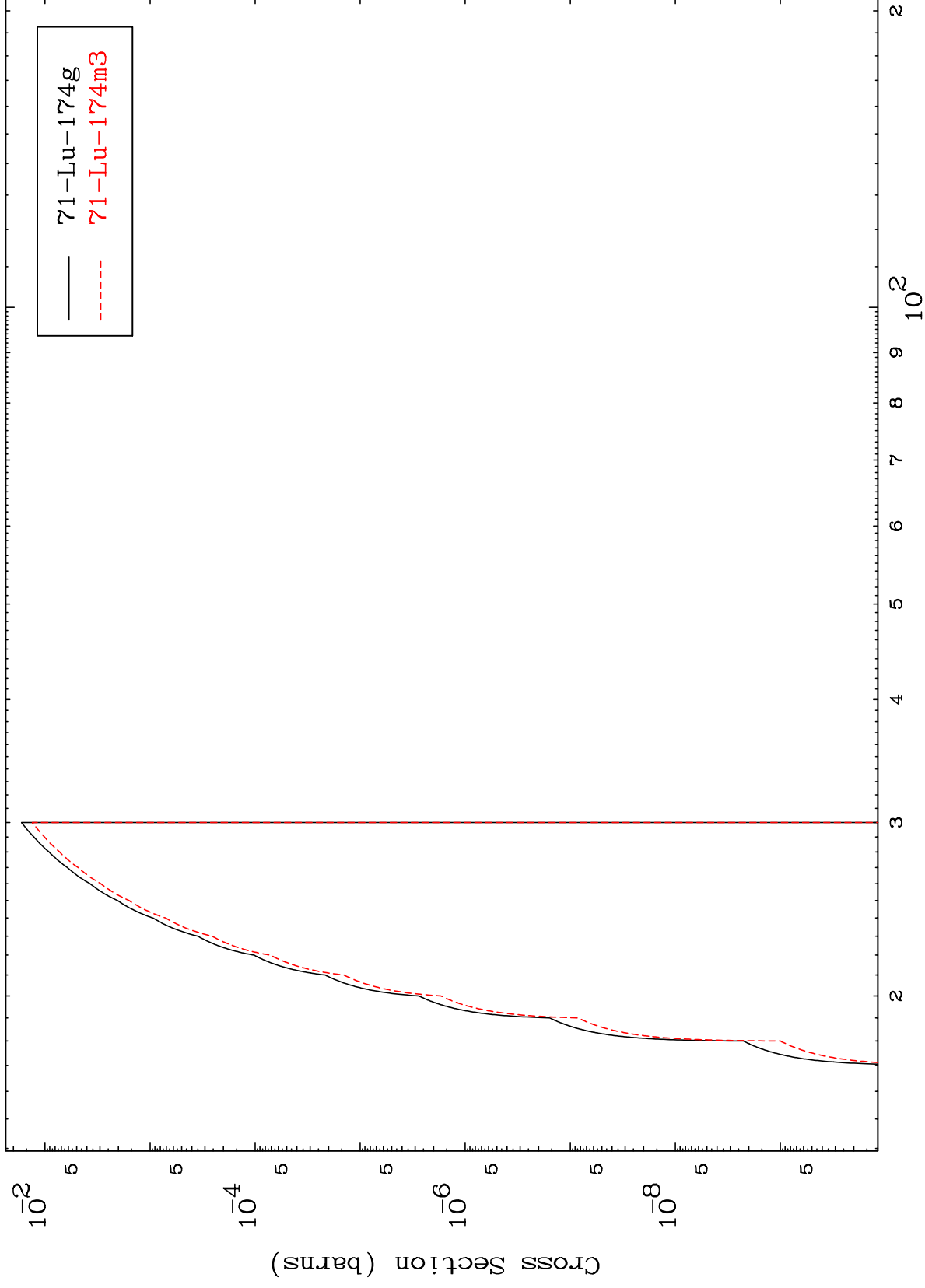
Radionuclide Production Cross Section



MAT 7231

72-Hf-176

(n,2n) p  
Radionuclide Production Cross Section



130

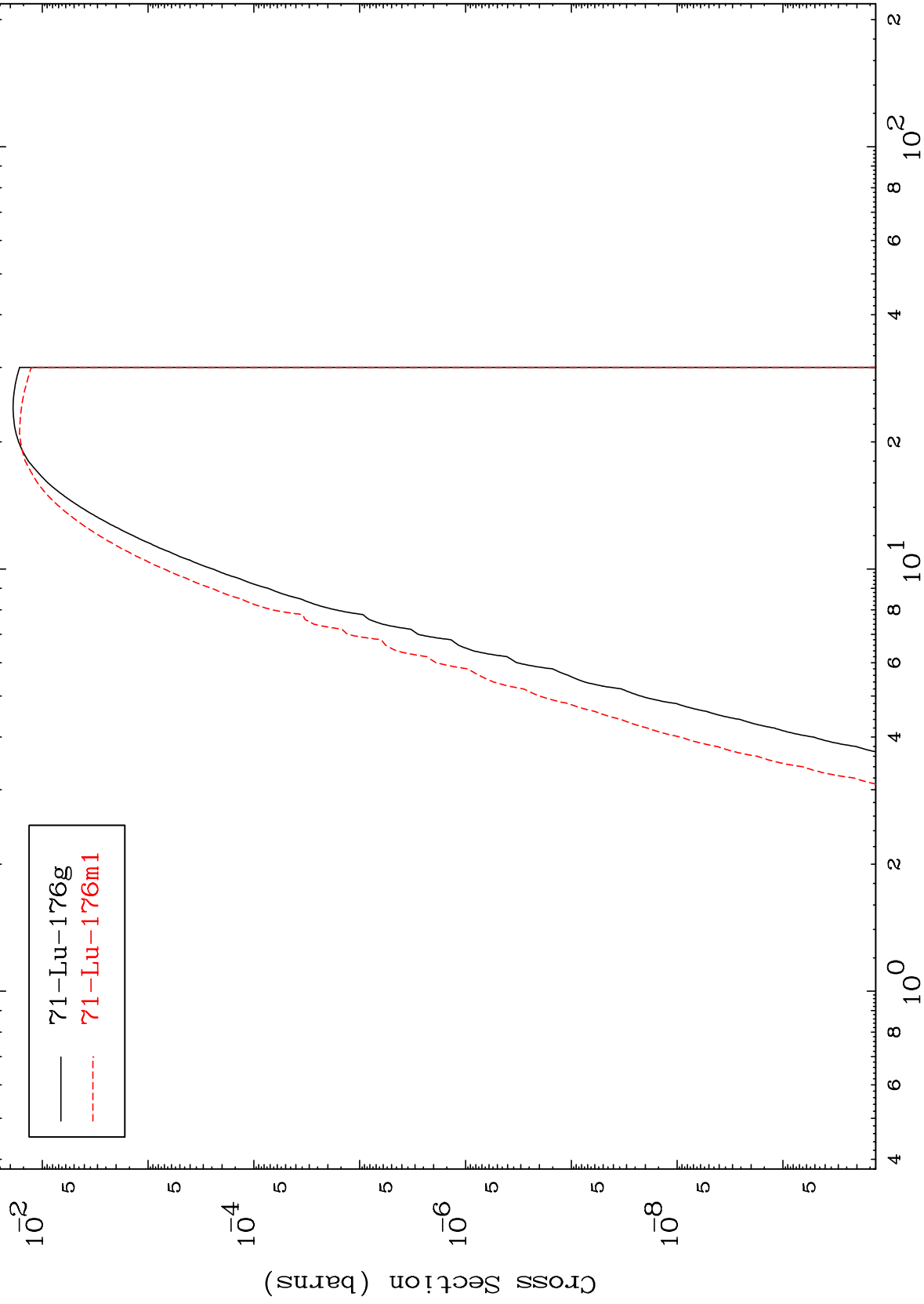
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

(n,p)  
Radionuclide Production Cross Section



131

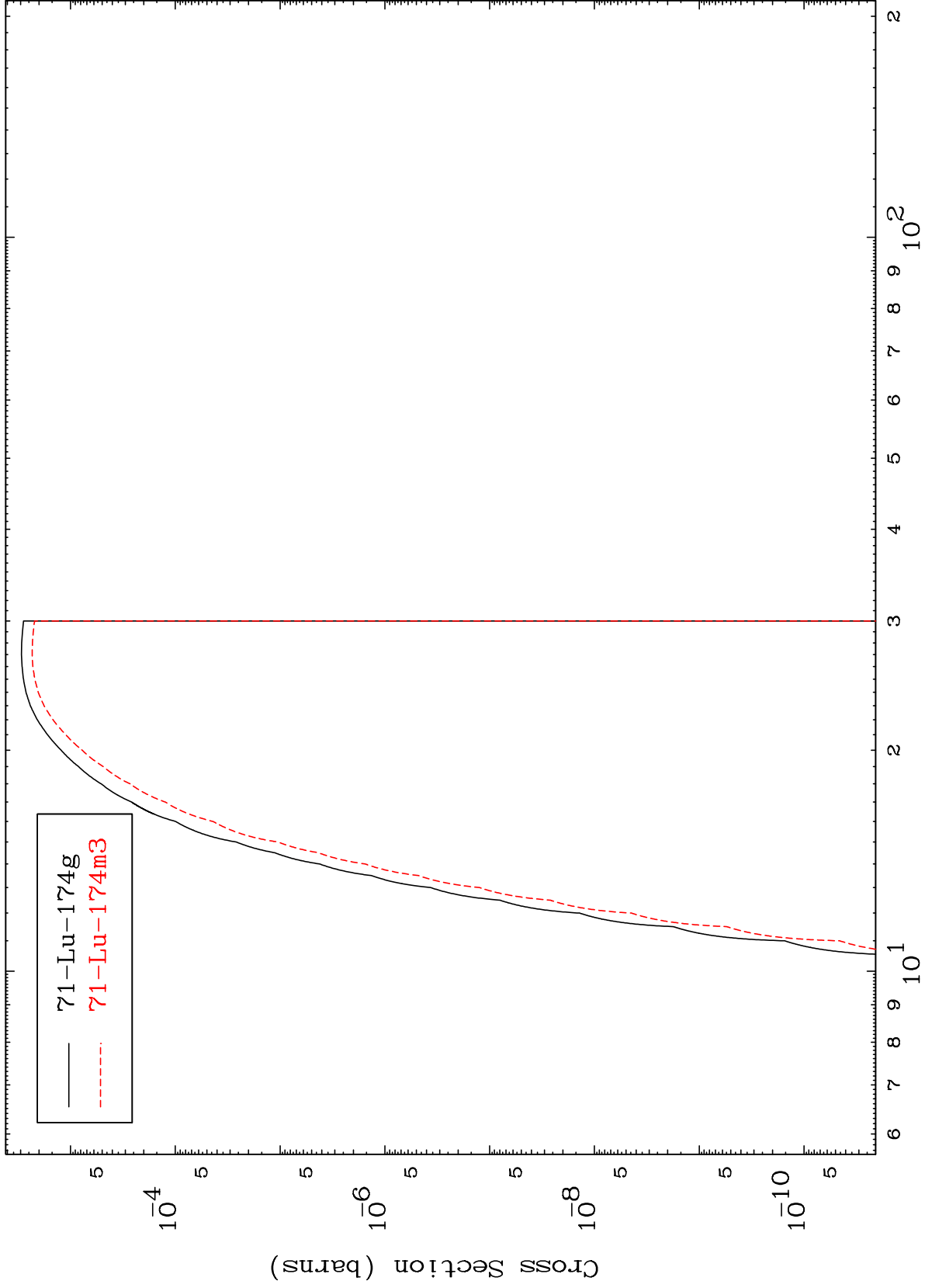
Incident Energy (MeV)

72-Hf-176

MAT 7231

72-Hf-176

(n, t)  
Radionuclide Production Cross Section



132

Incident Energy (MeV)

72-Hf-176