

Program EVALPLOT
(Version 2015-2)

by

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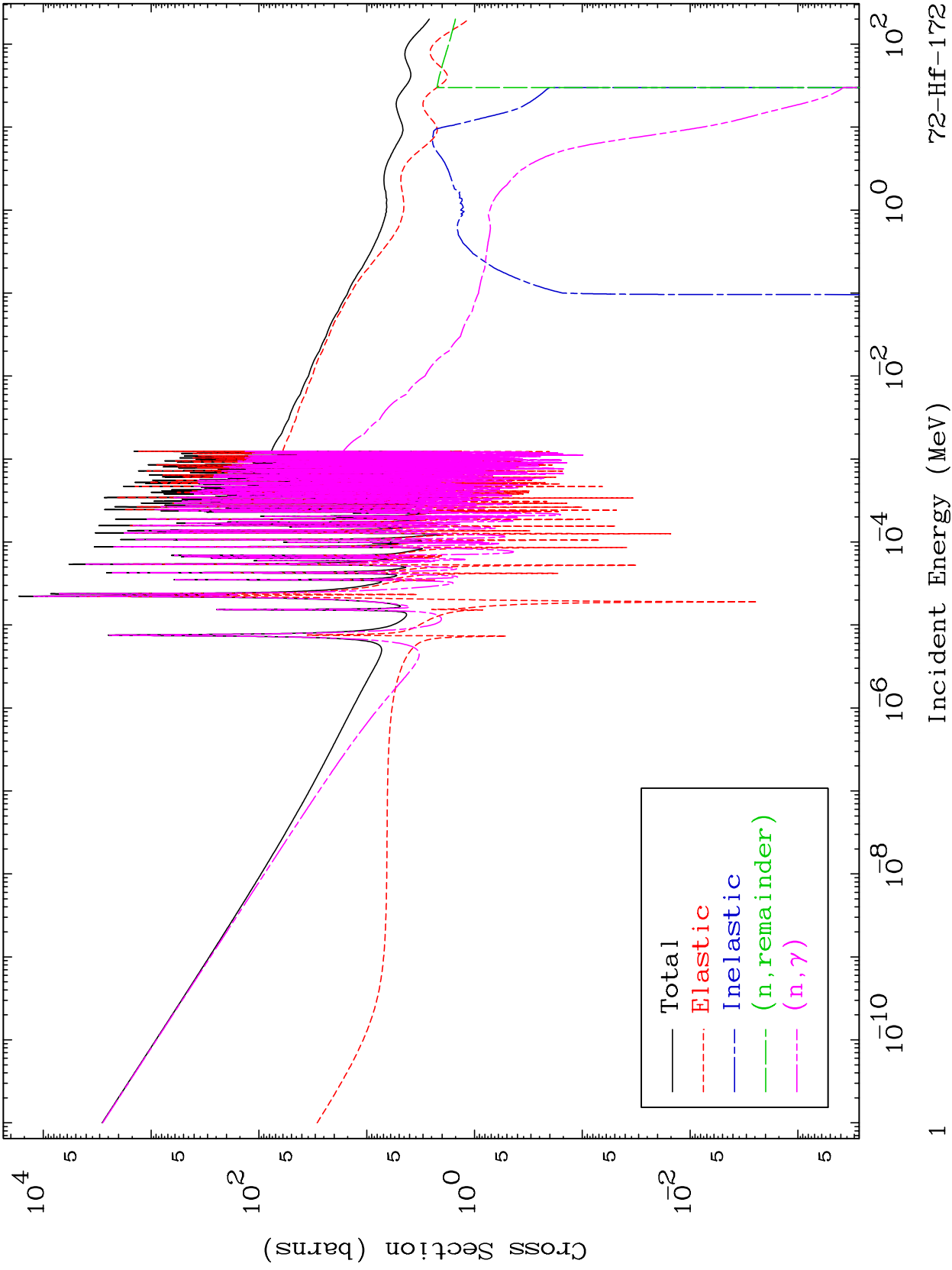
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7219

Major
293 Kelvin Cross Sections

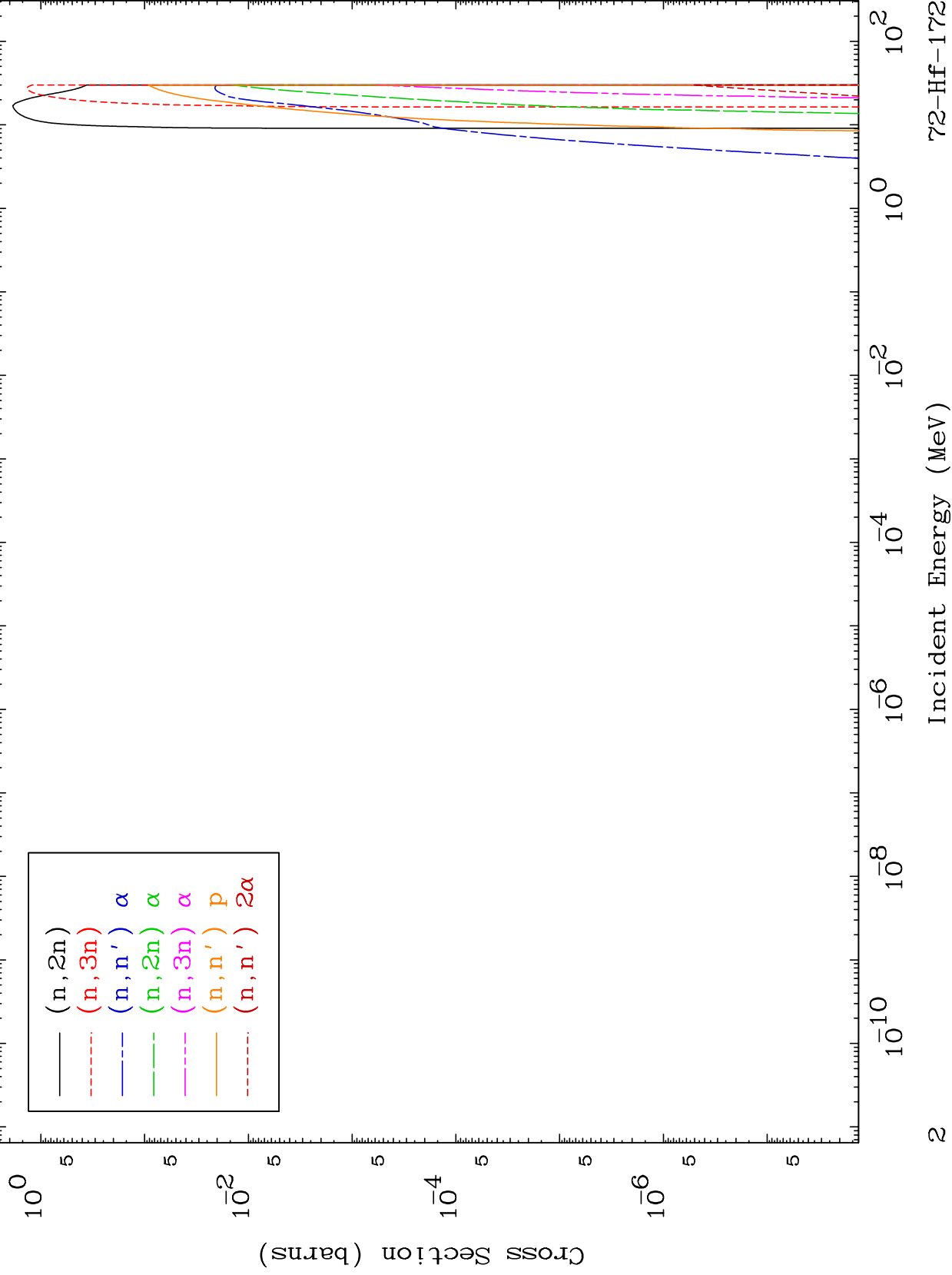
72-Hf-172

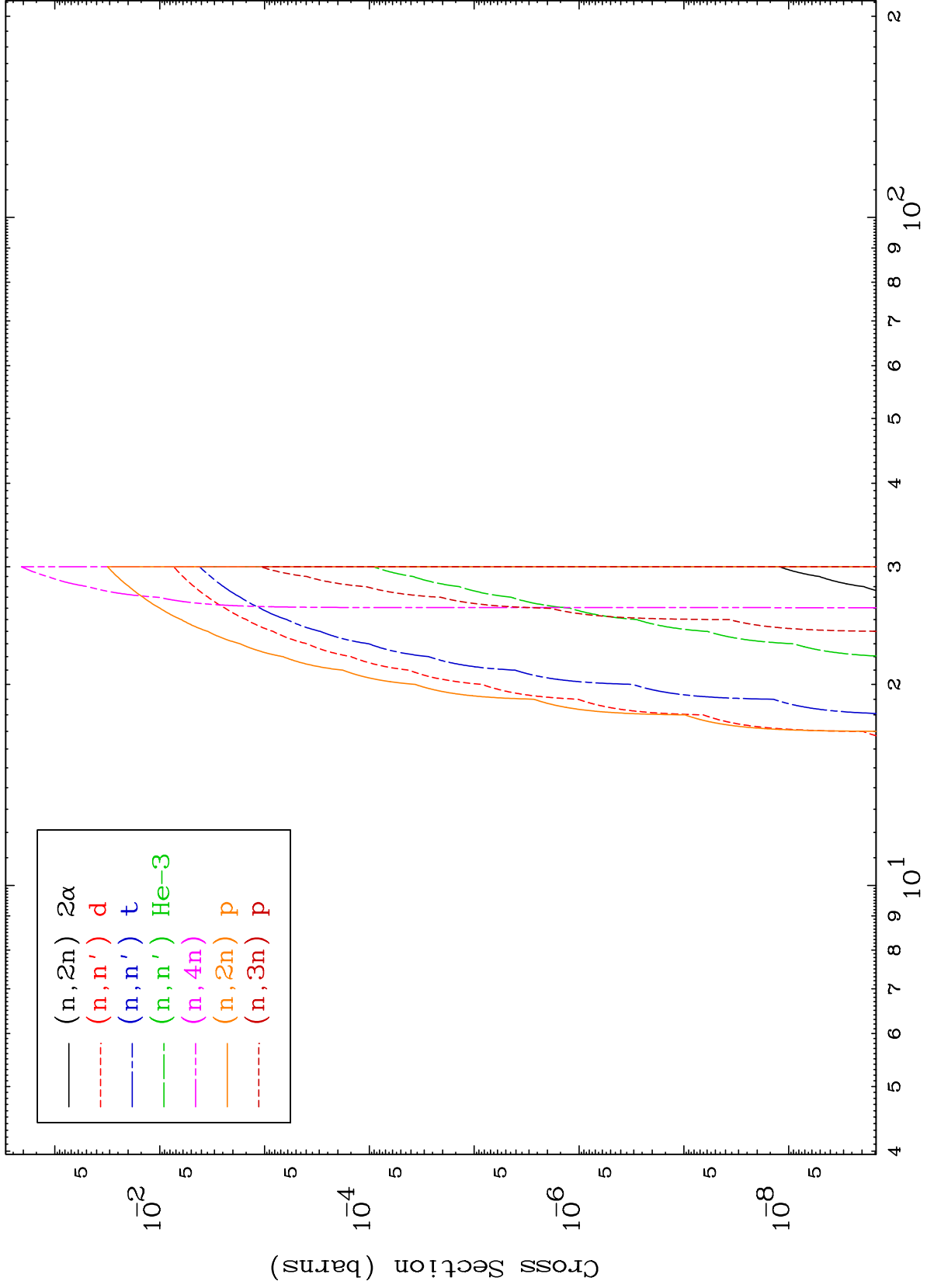


MAT 7219

Neutron Production
293 Kelvin Cross Sections

72-Hf-172

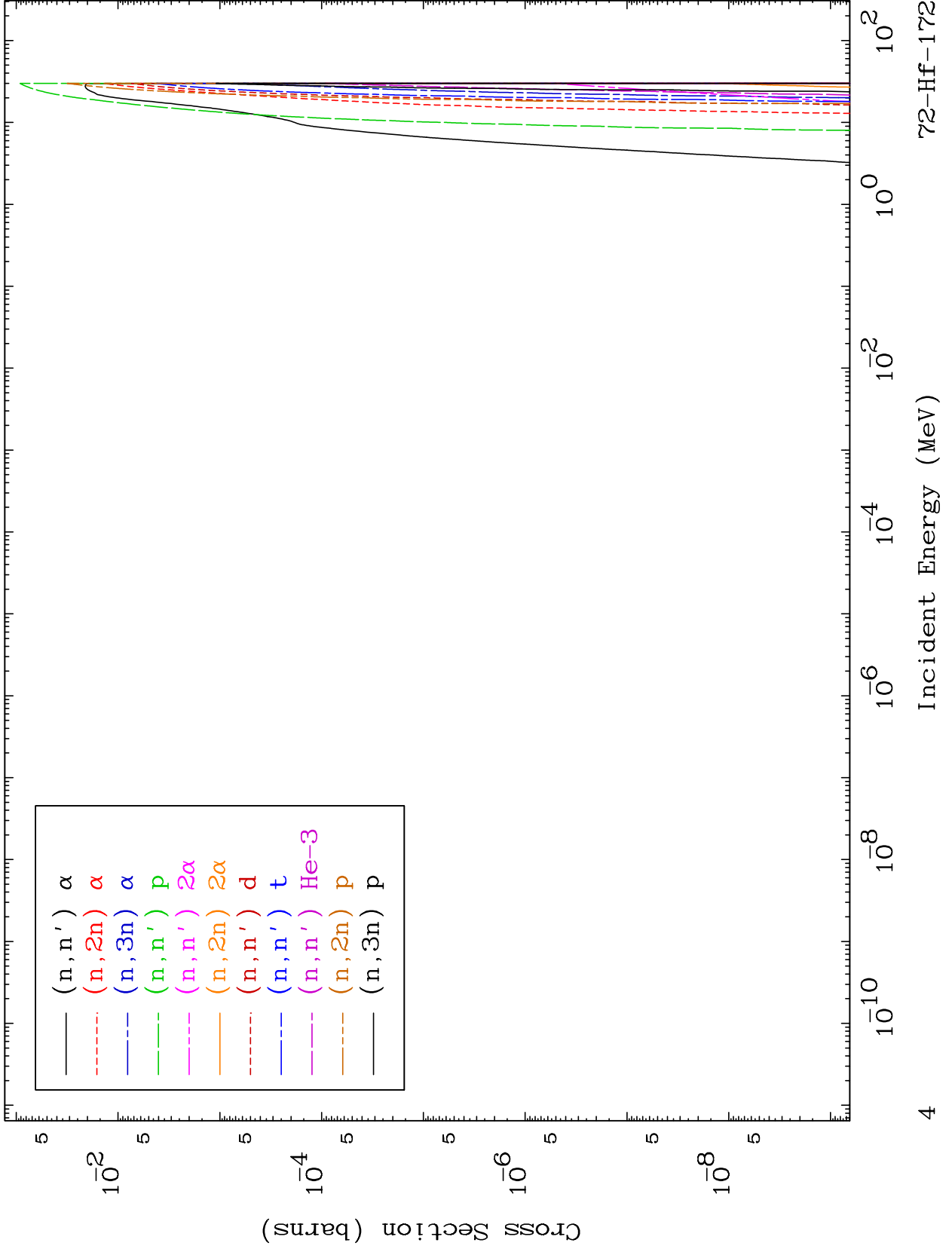




MAT 7219

Charged Particle
293 Kelvin Cross Sections

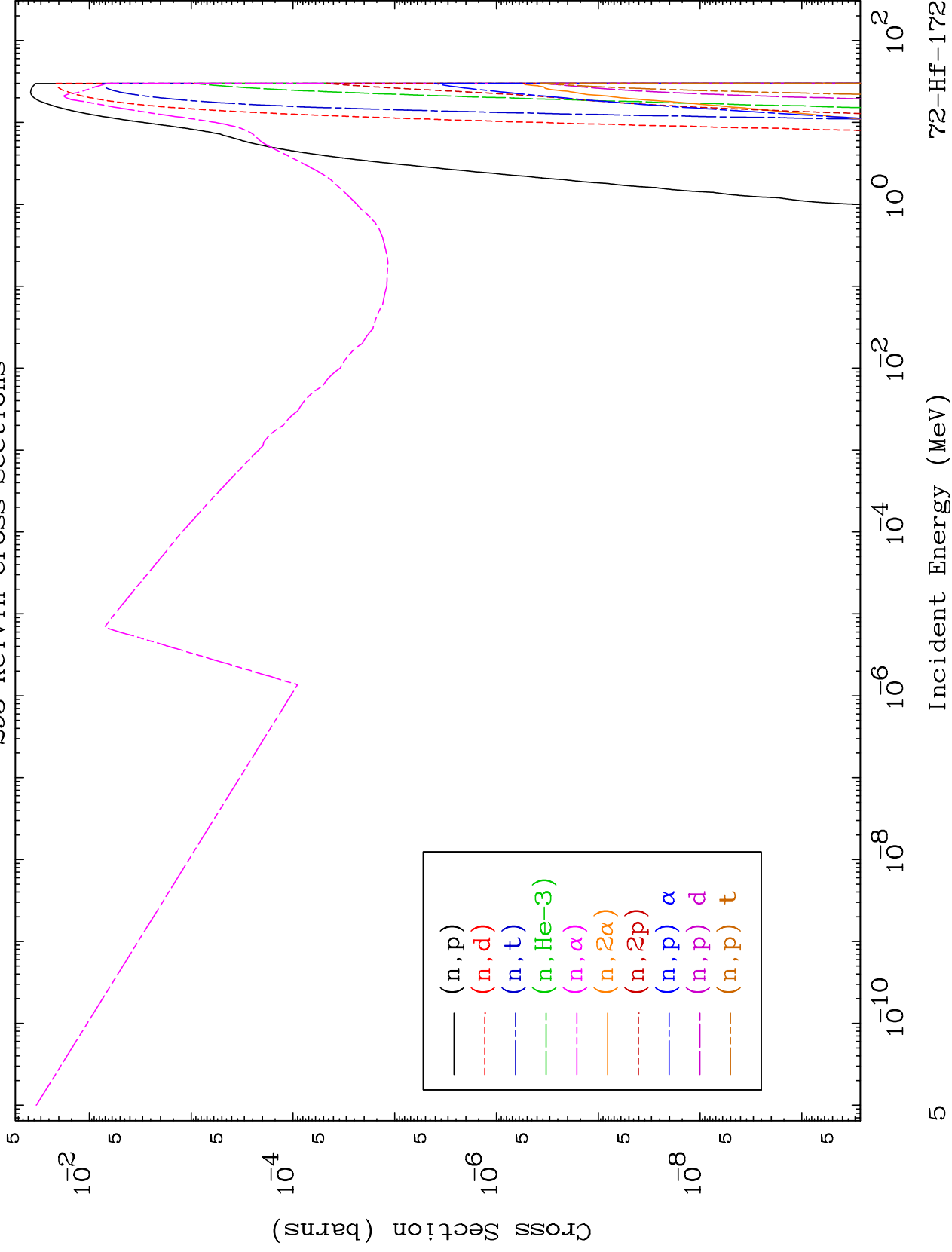
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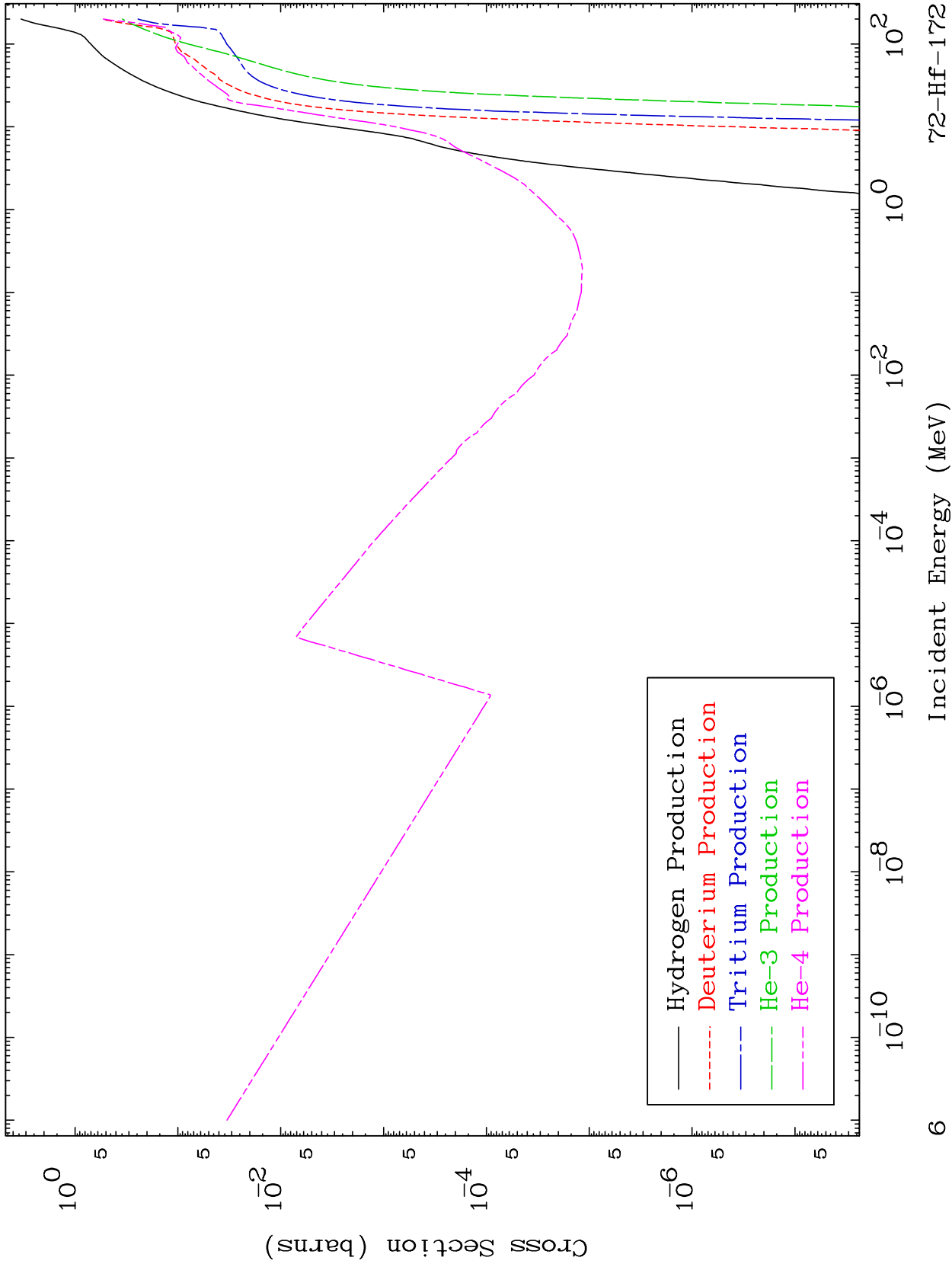


MAT 7219

Charged Particle
293 Kelvin Cross Sections

72-Hf-172

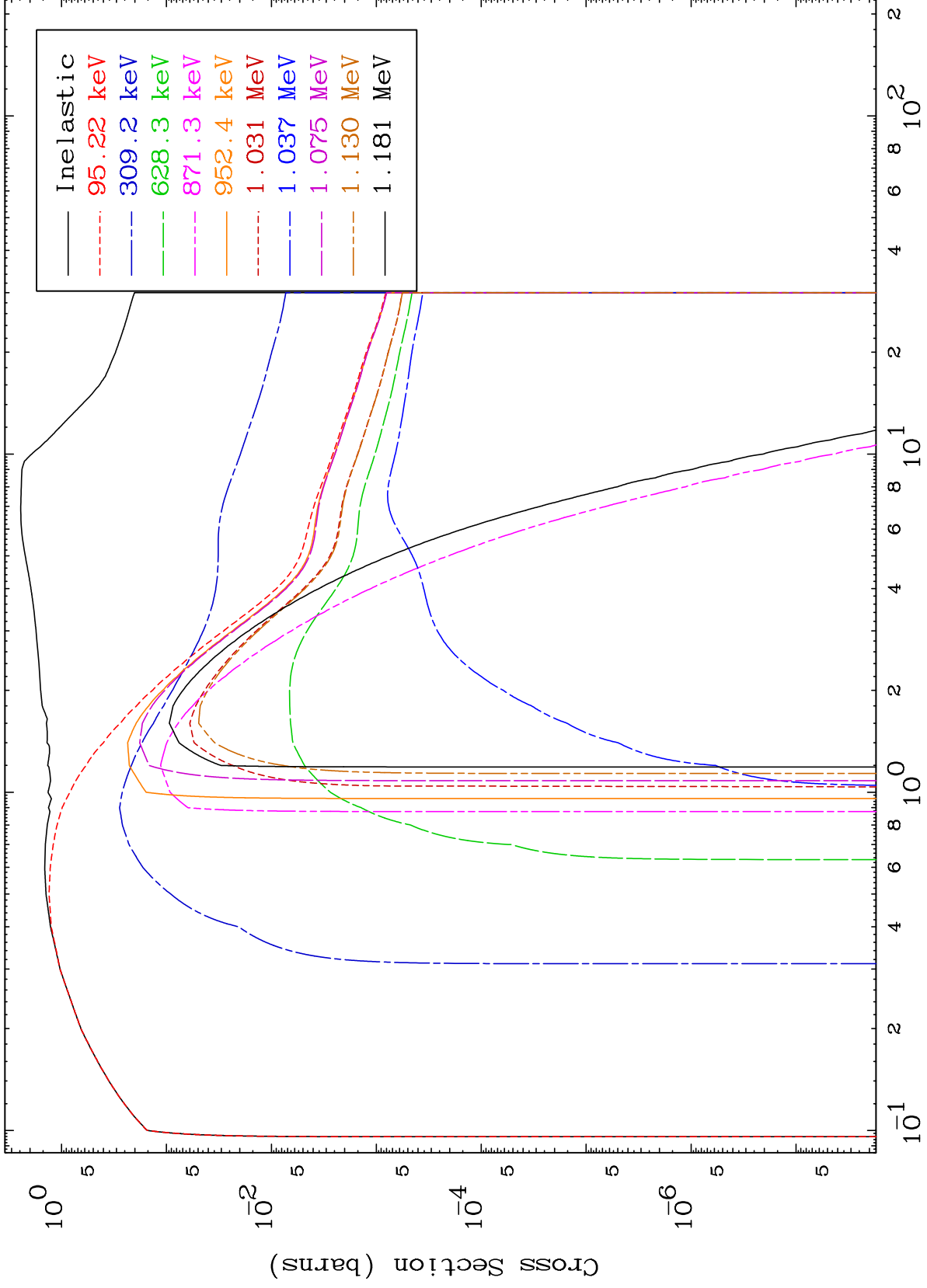




MAT 7219

(n,n') Level
293 Kelvin Cross Sections

72-Hf-172



Incident Energy (MeV)

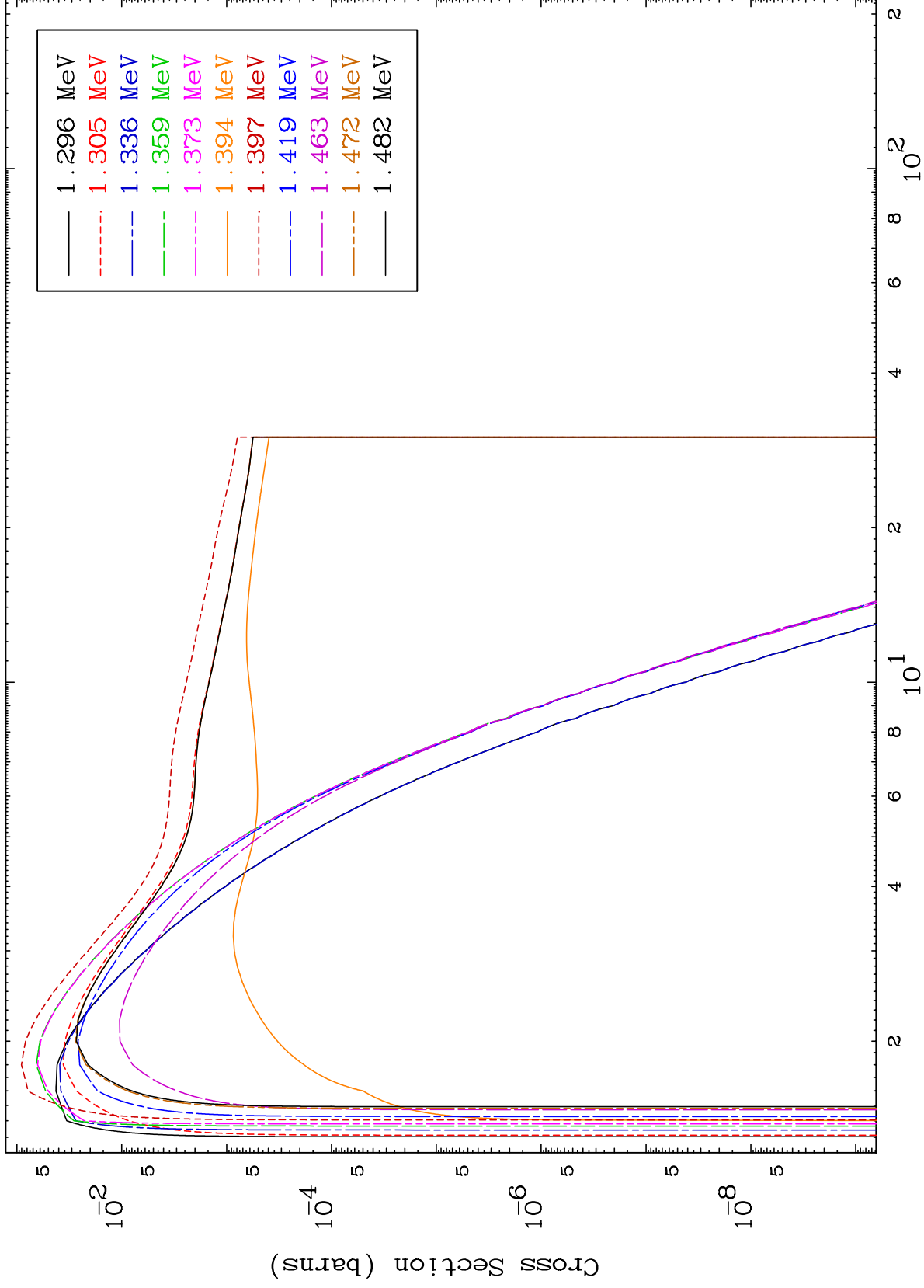
72-Hf-172

7

MAT 7219

(n,n') Level
293 Kelvin Cross Sections

72-Hf-172

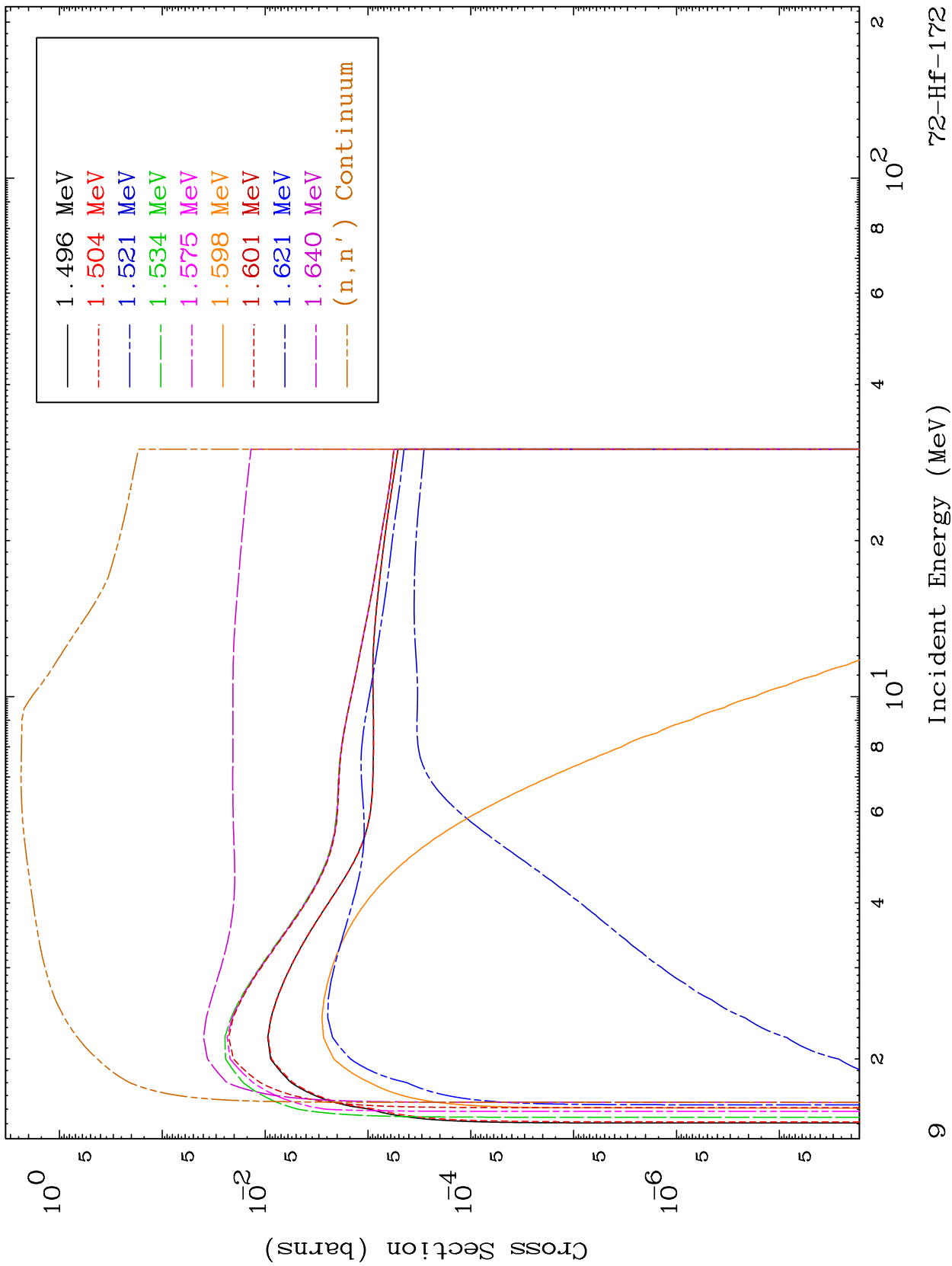


8

Incident Energy (MeV)

72-Hf-172

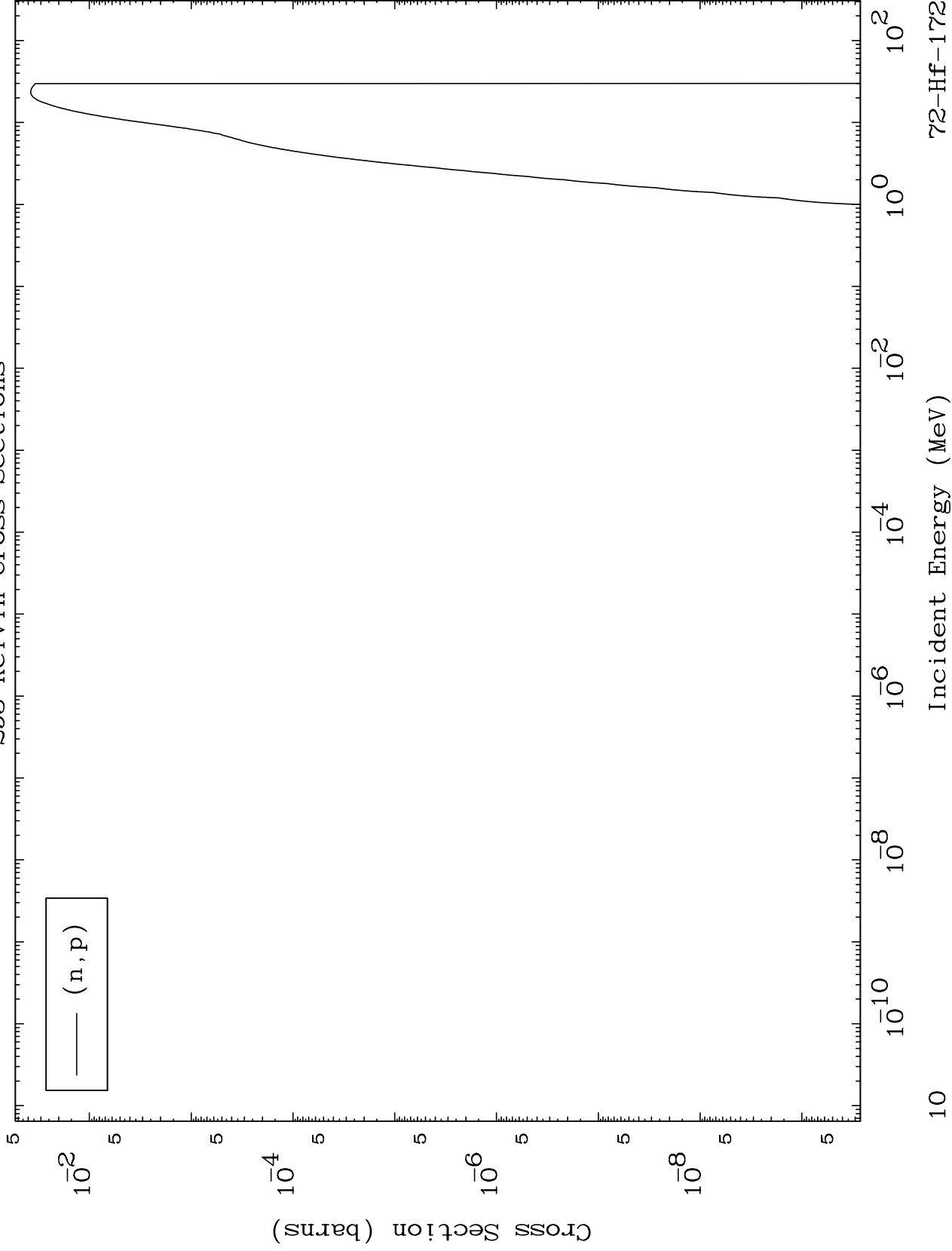
293 Kelvin Cross Sections



MAT 7219

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-172



10

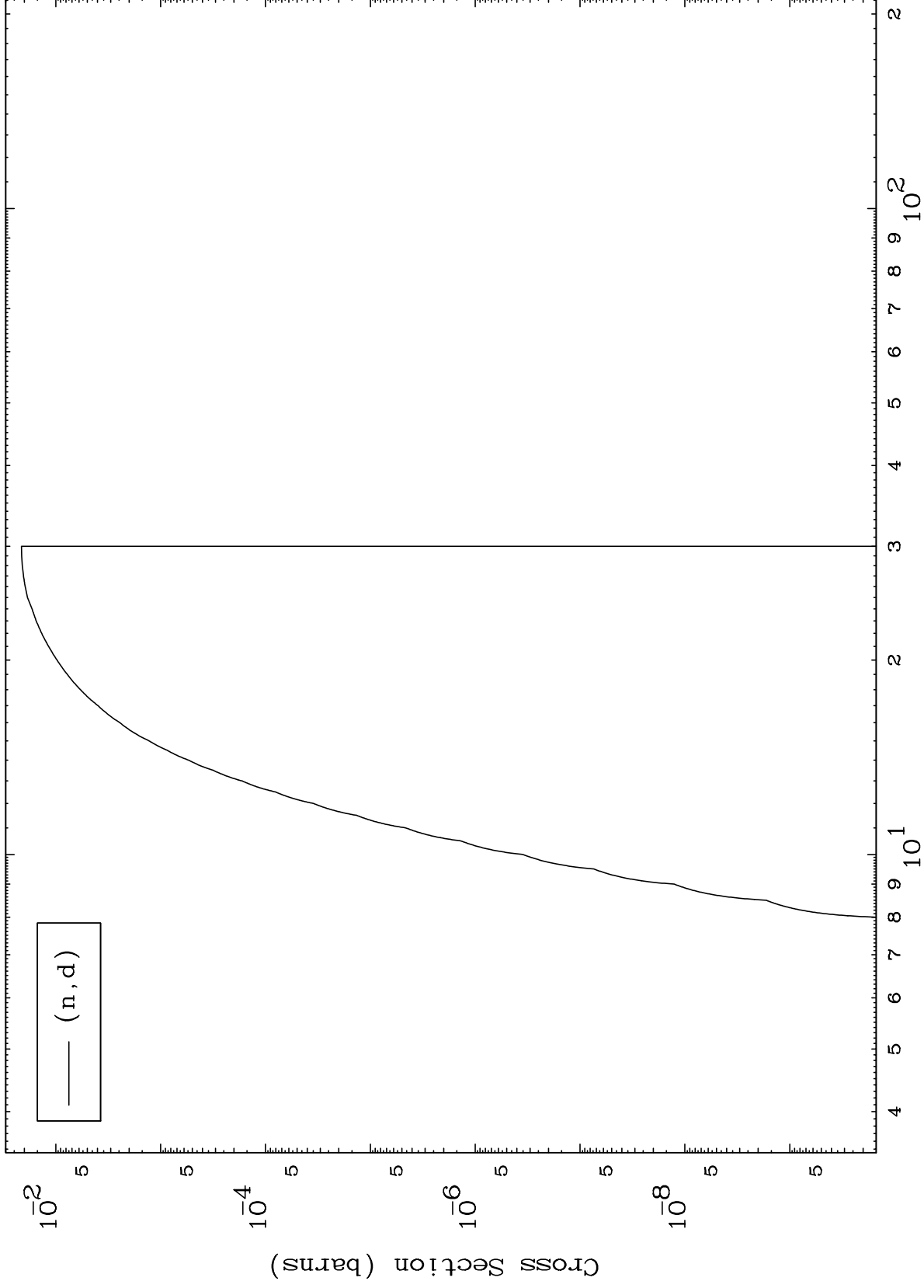
Incident Energy (MeV)

72-Hf-172

MAT 7219

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-172



11

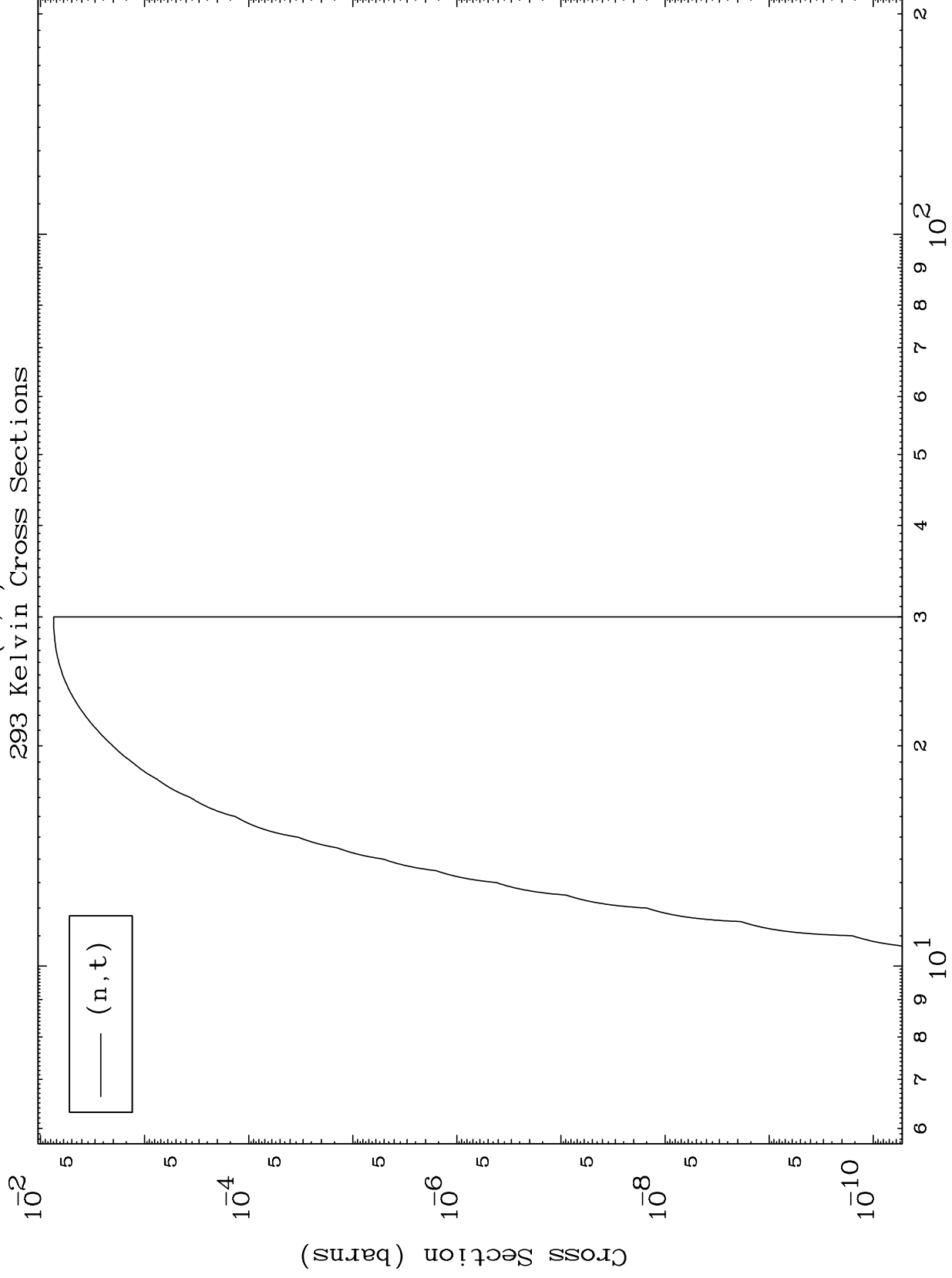
Incident Energy (MeV)

72-Hf-172

MAT 7219

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-172



12

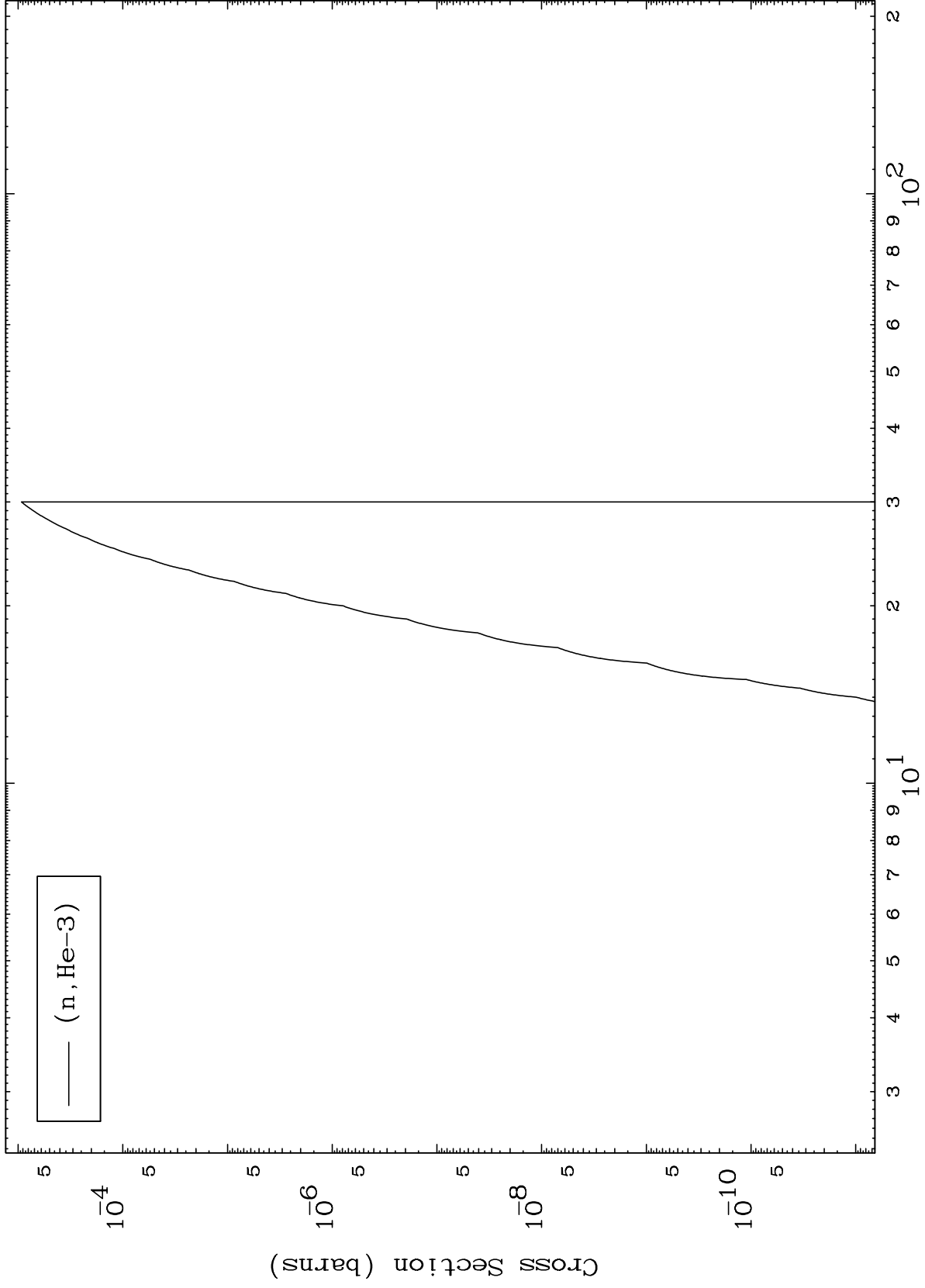
Incident Energy (MeV)

72-Hf-172

MAT 7219

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-172



13

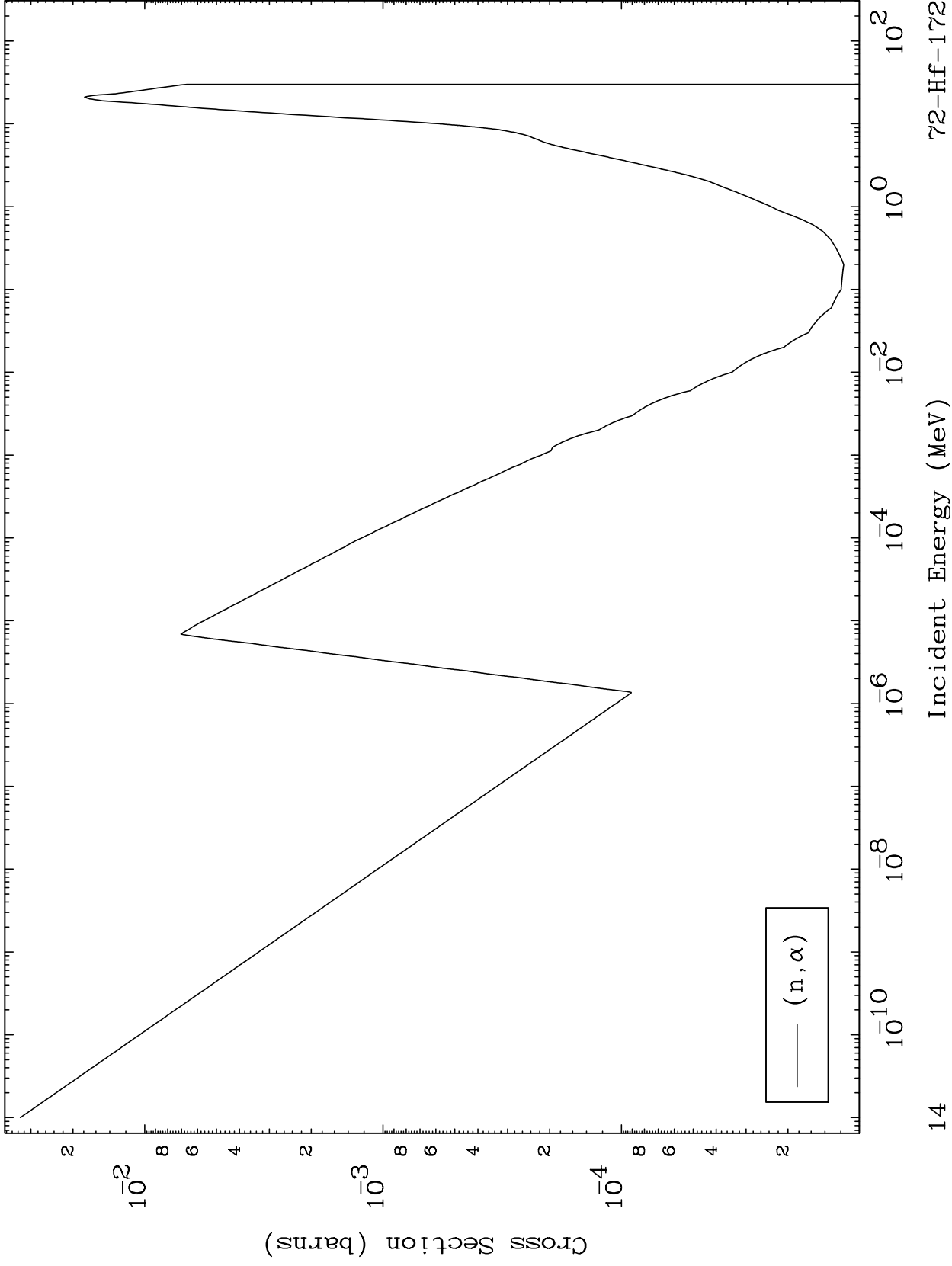
Incident Energy (MeV)

72-Hf-172

MAT 7219

(n, α) Levels
293 Kelvin Cross Sections

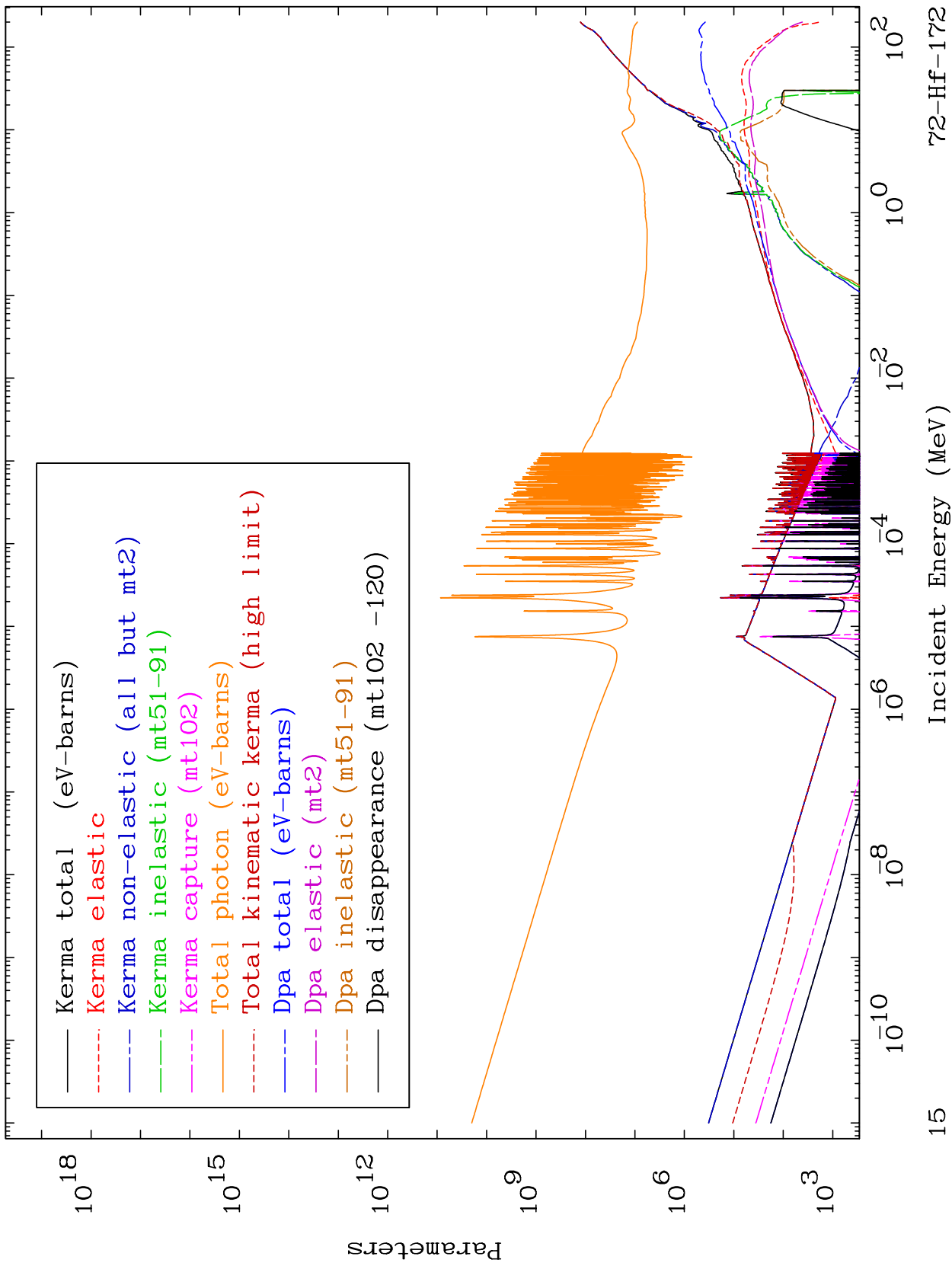
72-Hf-172



14

Incident Energy (MeV)

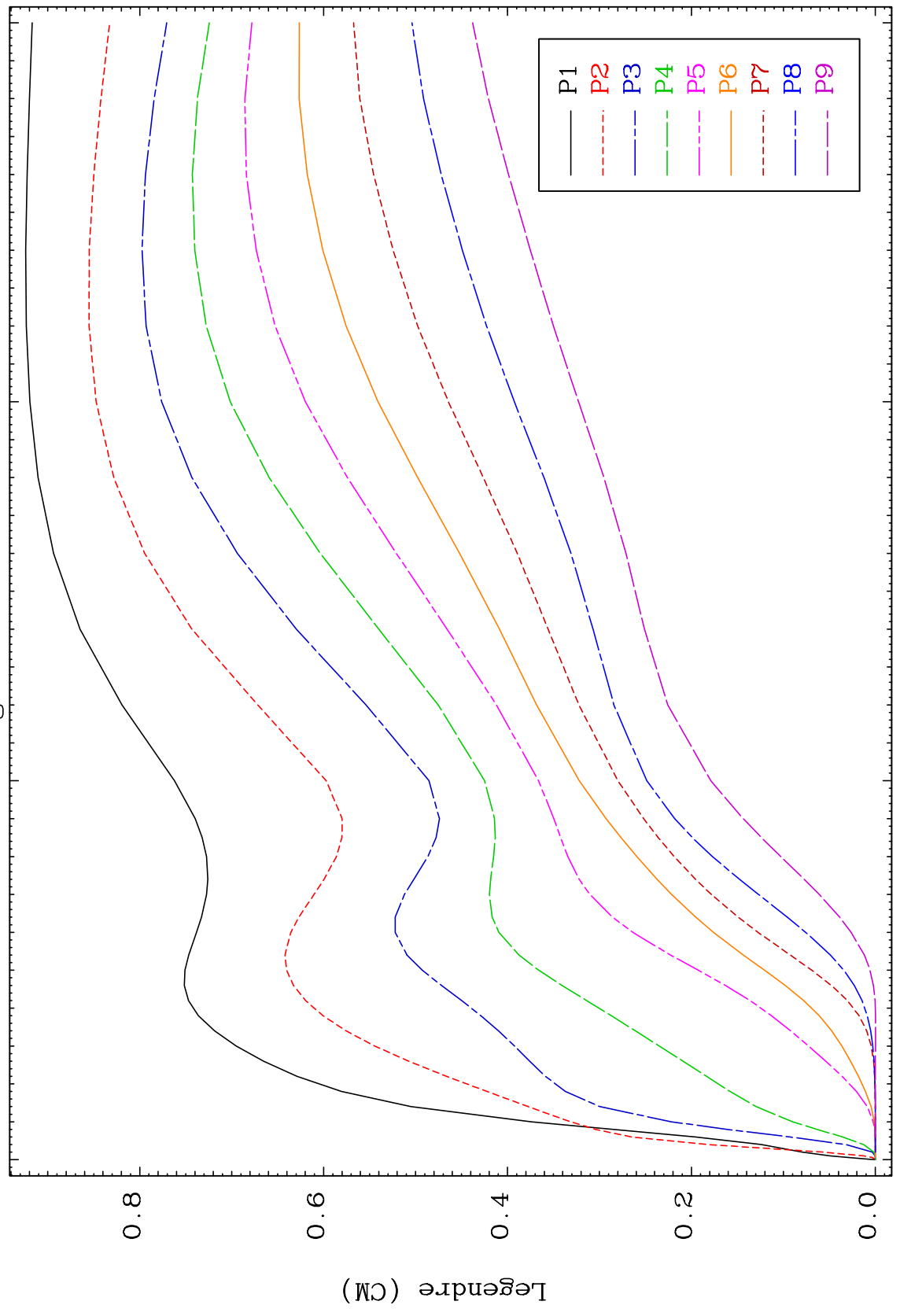
72-Hf-172



MAT 7219

72-Hf-172

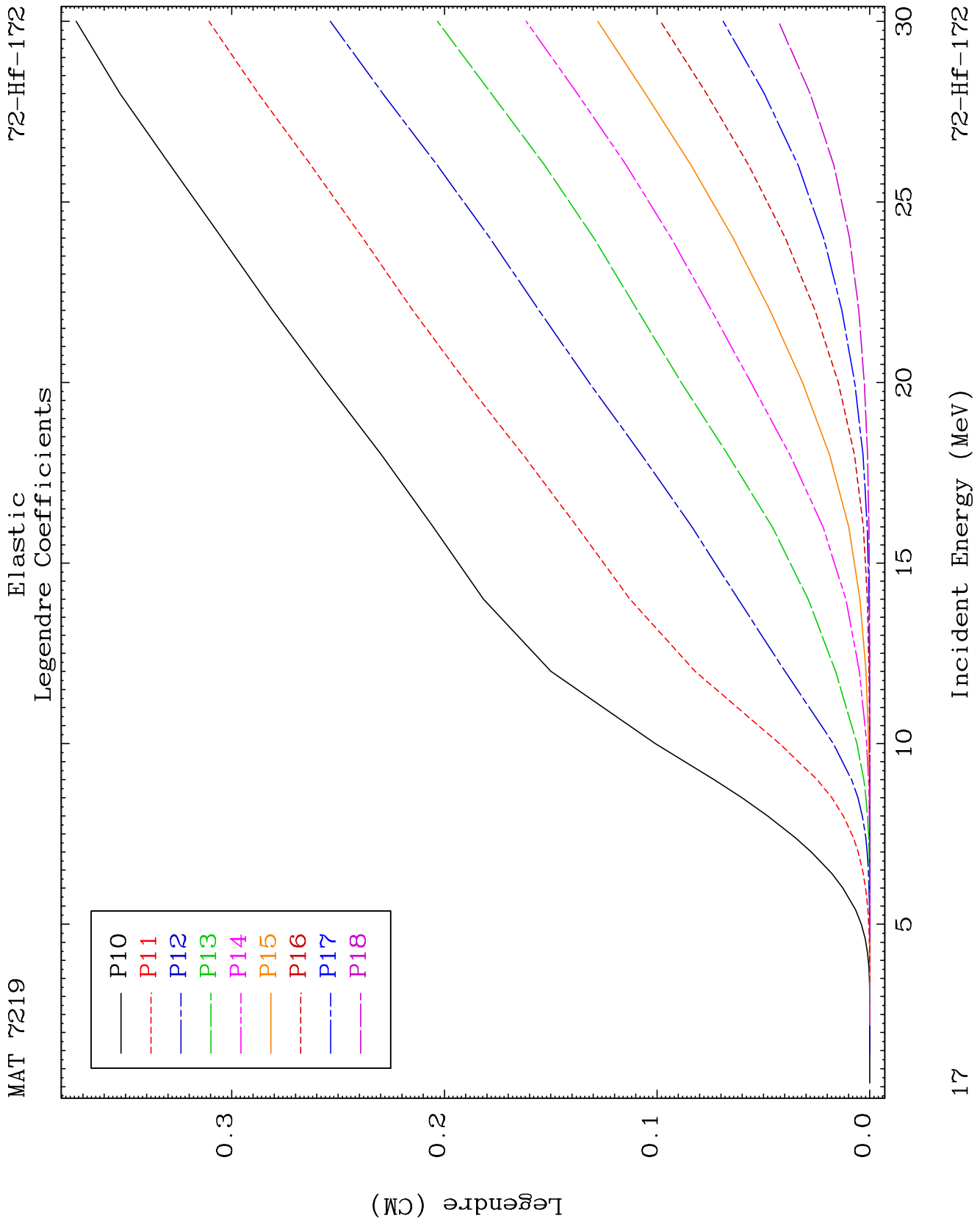
Elastic Legendre Coefficients



16

Incident Energy (MeV)

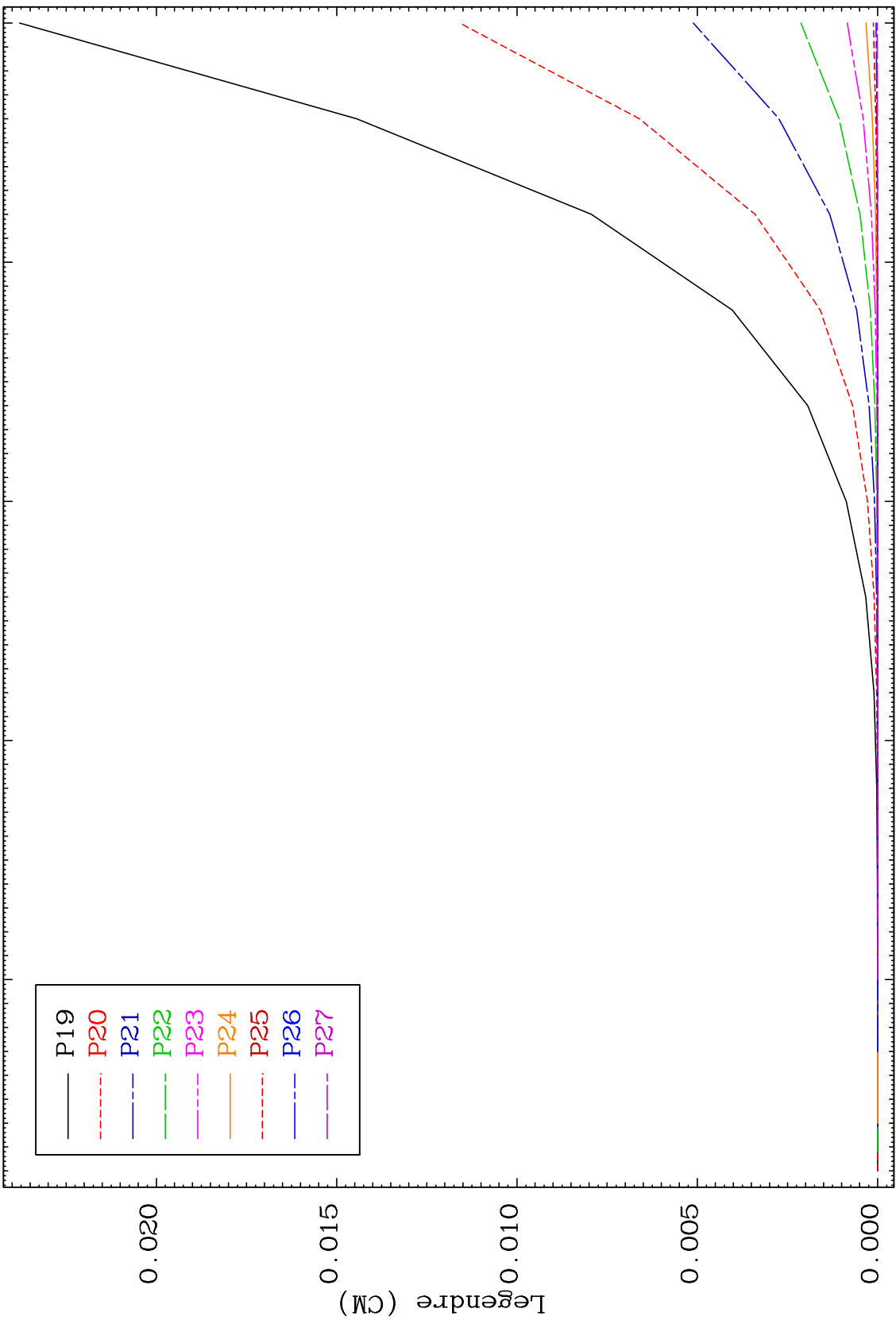
72-Hf-172



MAT 7219

Elastic Legendre Coefficients

72-Hf-172



18

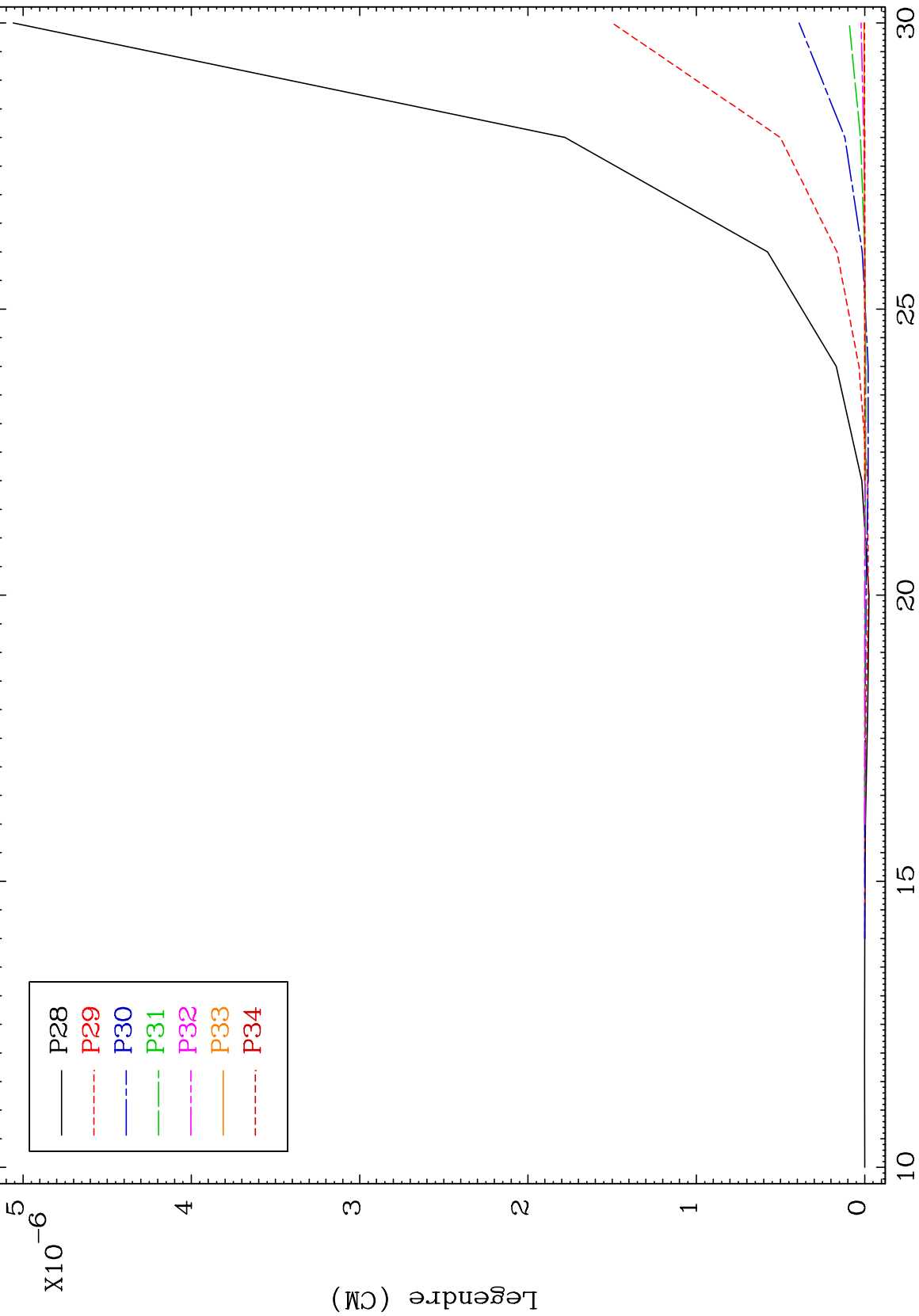
Incident Energy (MeV)

72-Hf-172

MAT 7219

Elastic Legendre Coefficients

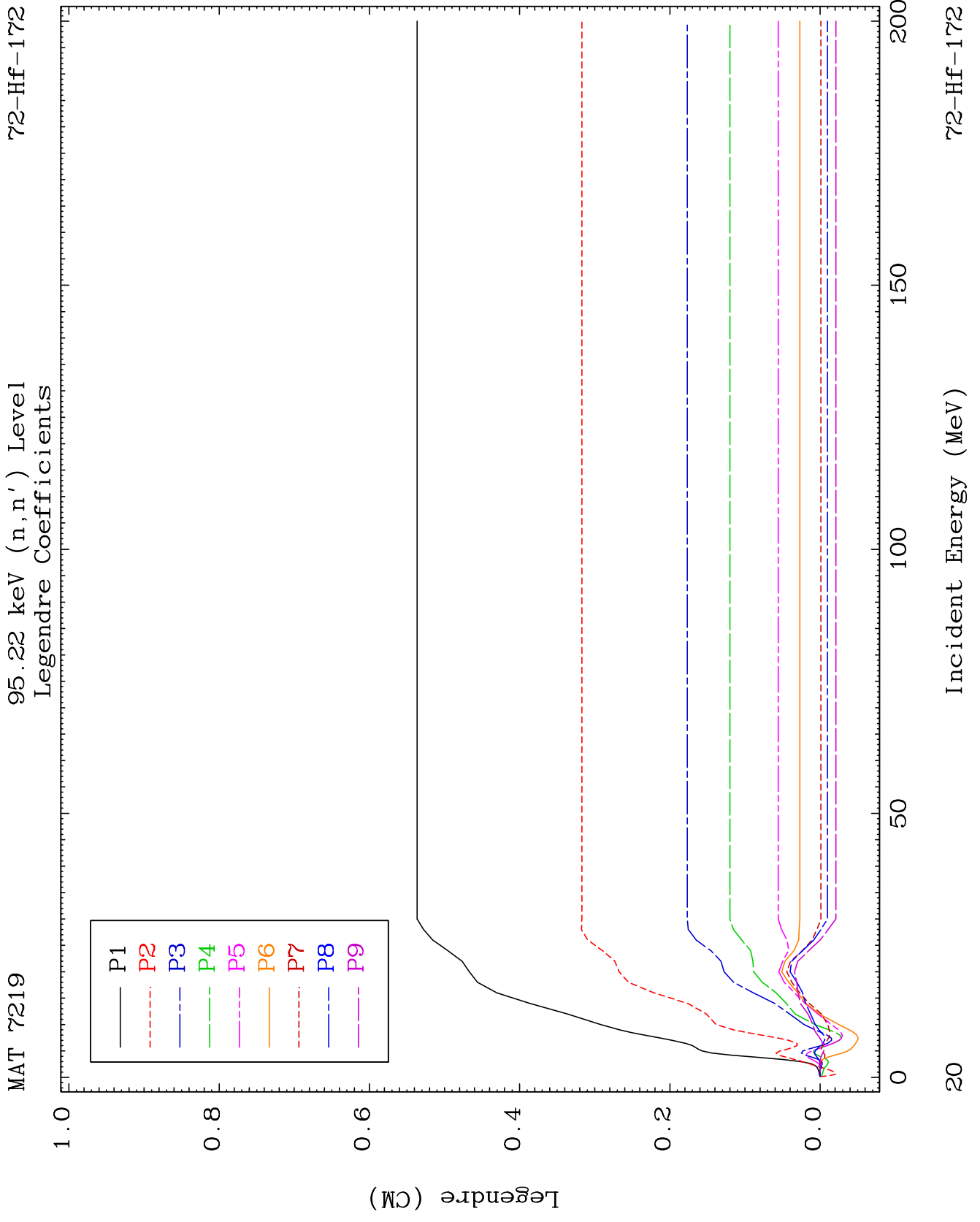
72-Hf-172



19

Incident Energy (MeV)

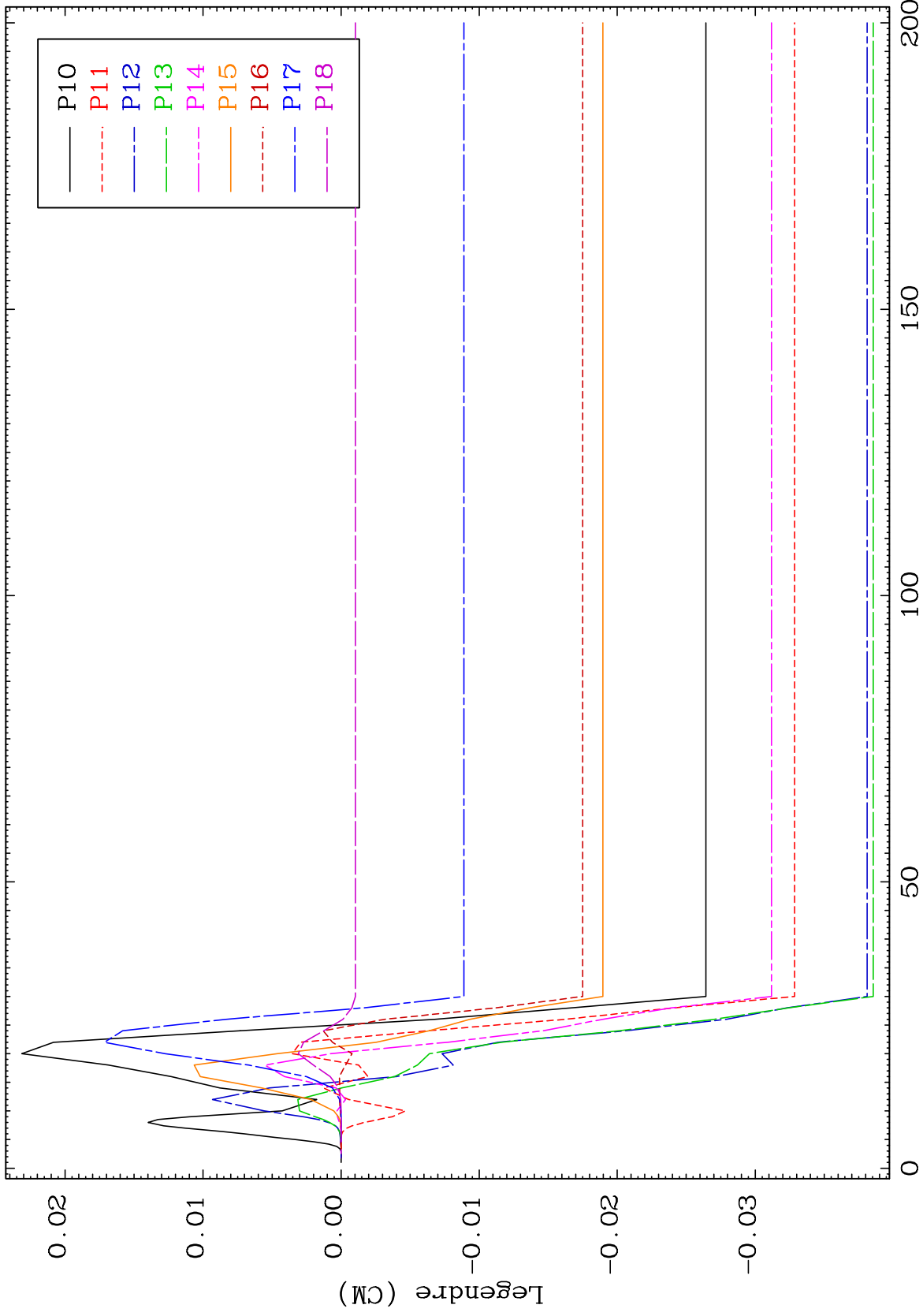
72-Hf-172



MAT 7219

95.22 keV (n,n') Level
Legendre Coefficients

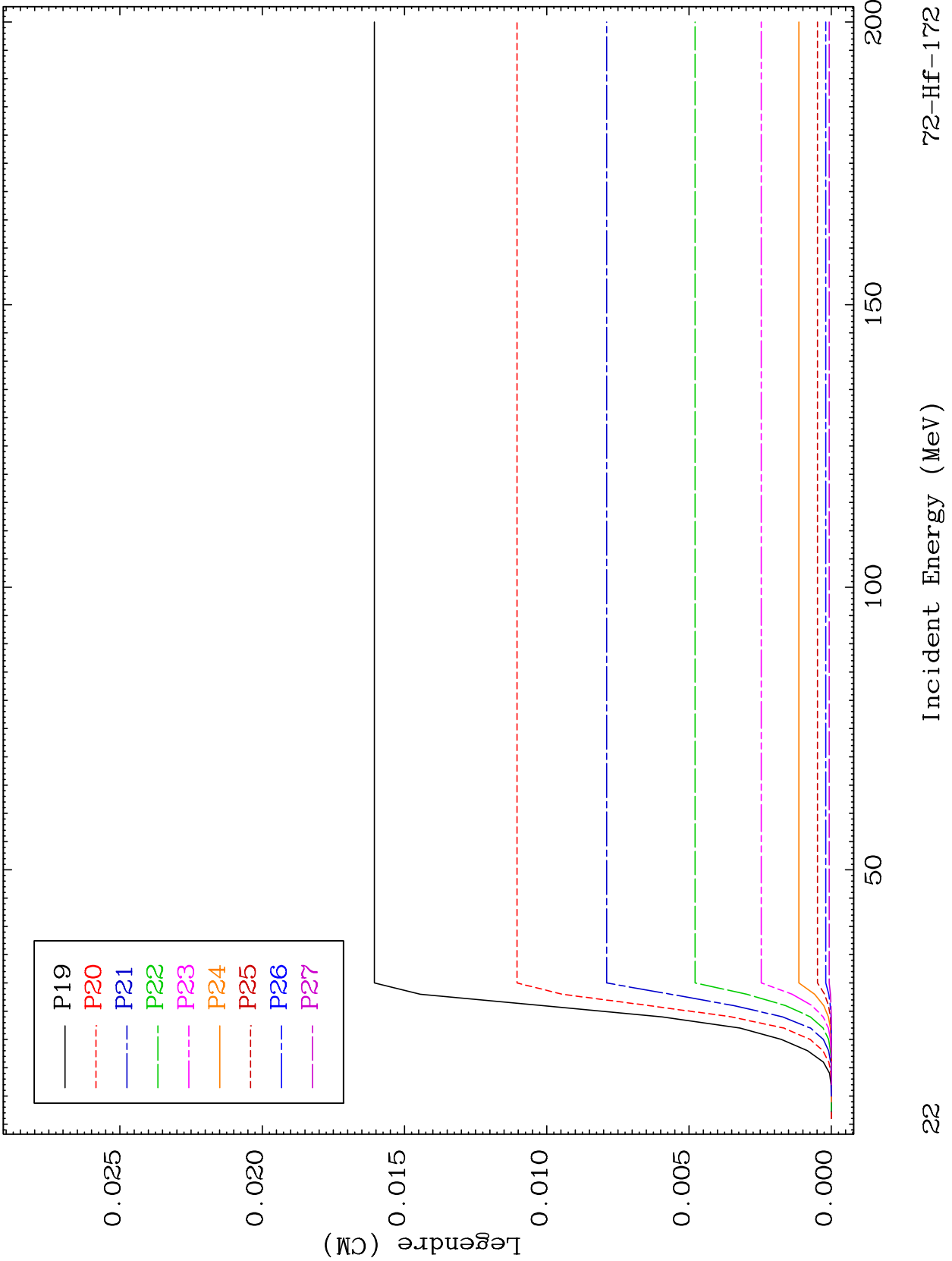
72-Hf-172



21

Incident Energy (MeV)

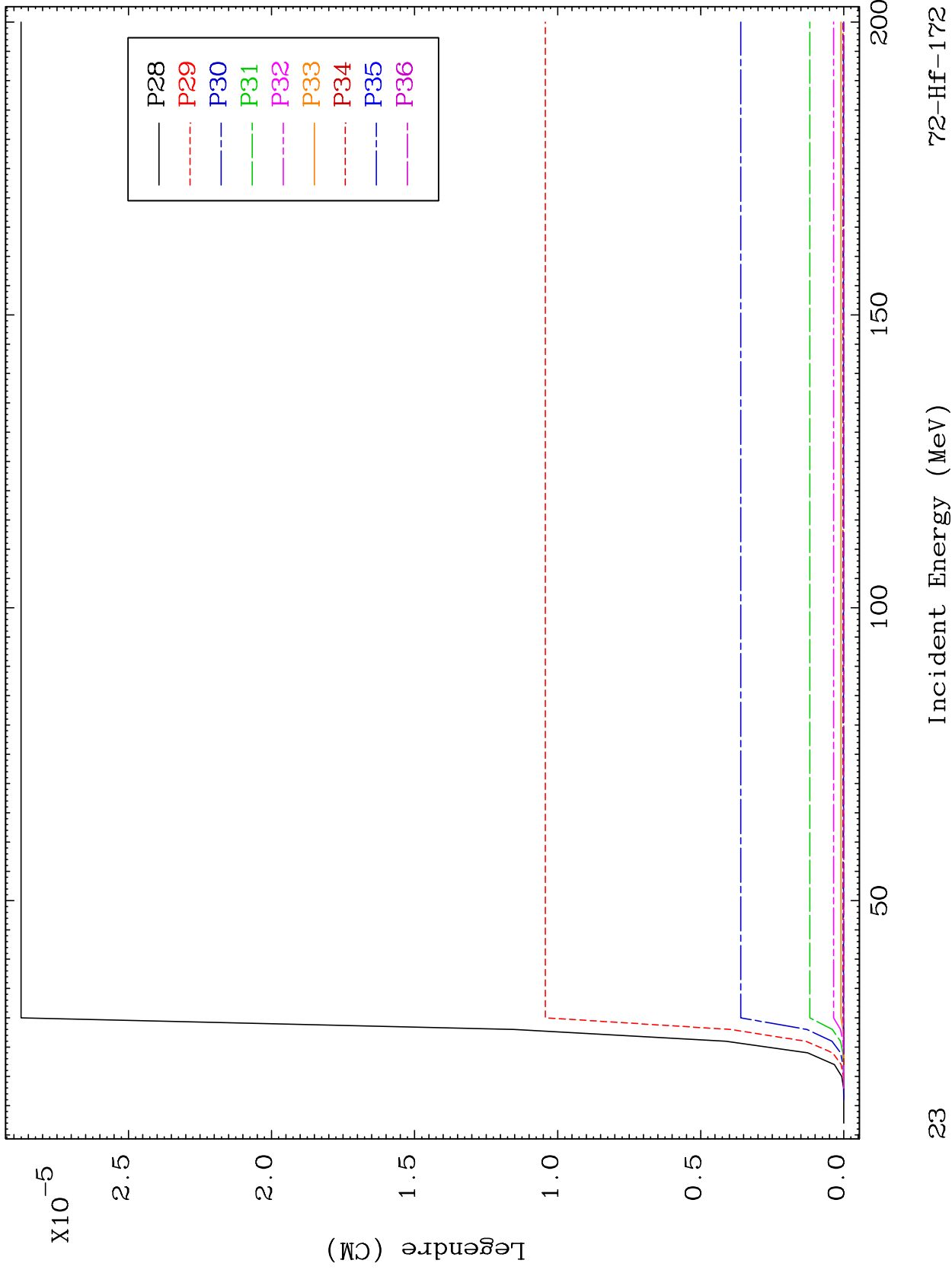
72-Hf-172



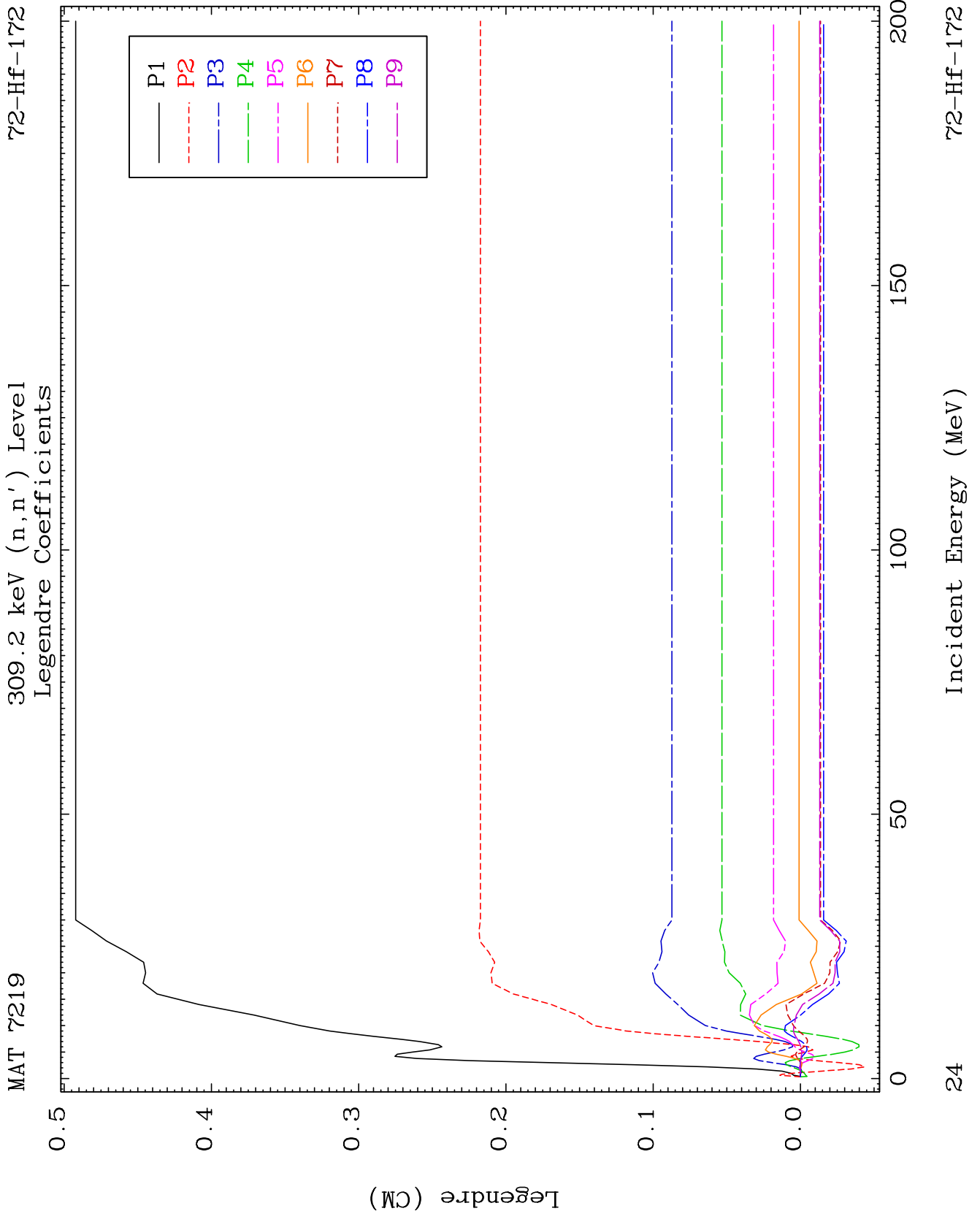
MAT 7219

95.22 keV (n,n') Level
Legendre Coefficients

72-Hf-172



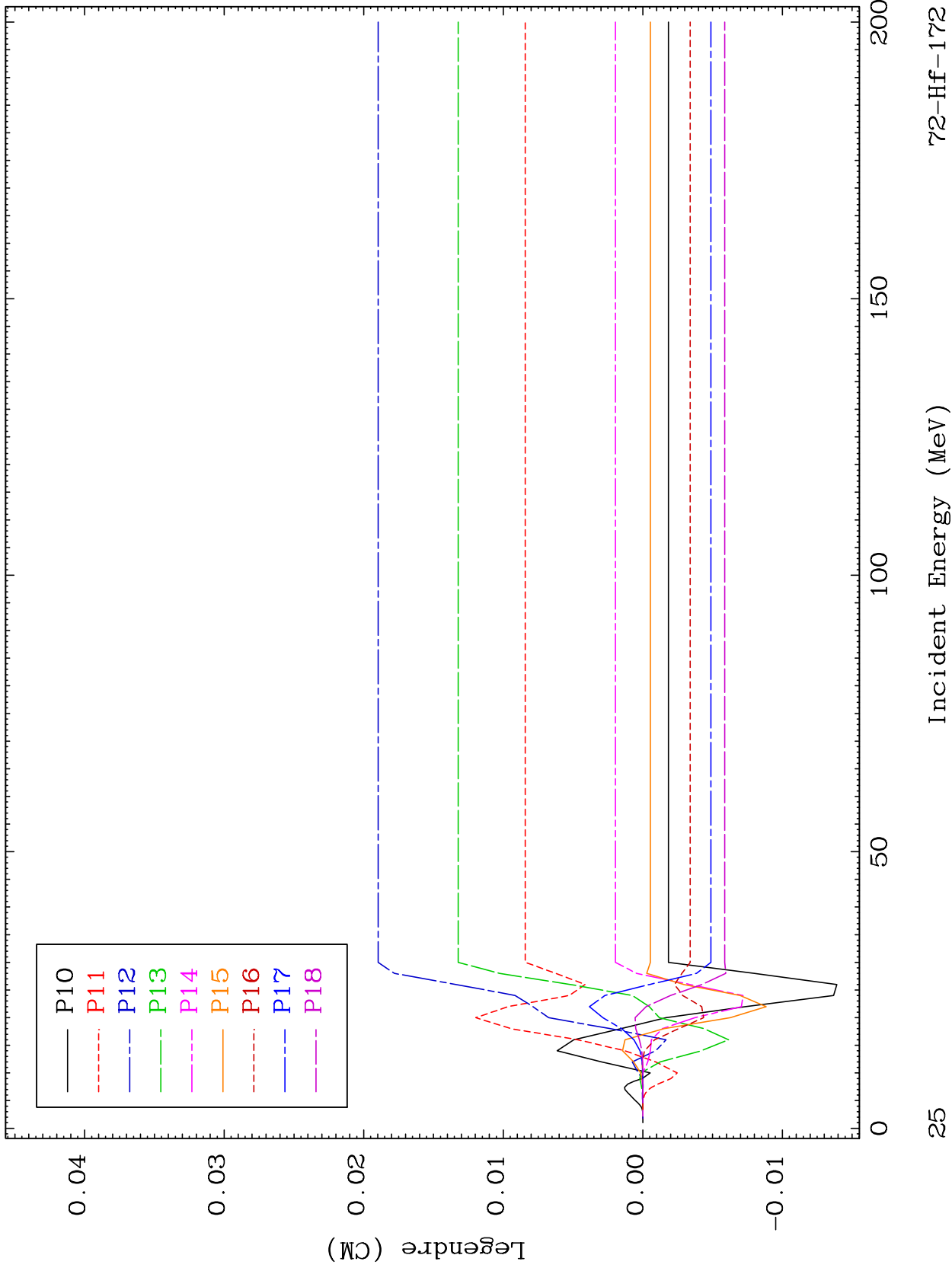
23



MAT 7219

309.2 keV (n,n') Level
Legendre Coefficients

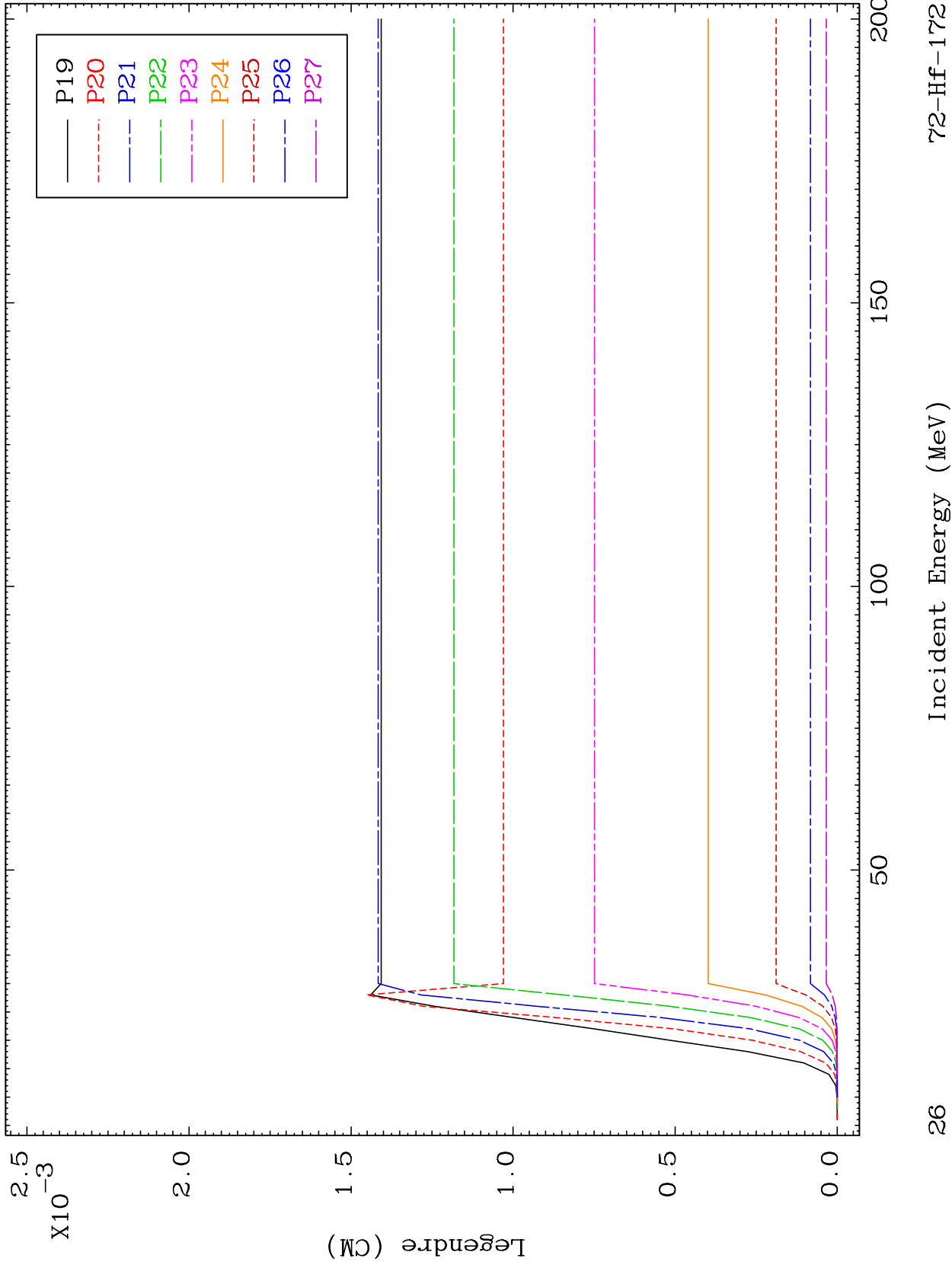
72-Hf-172



72-Hf-172

Incident Energy (MeV)

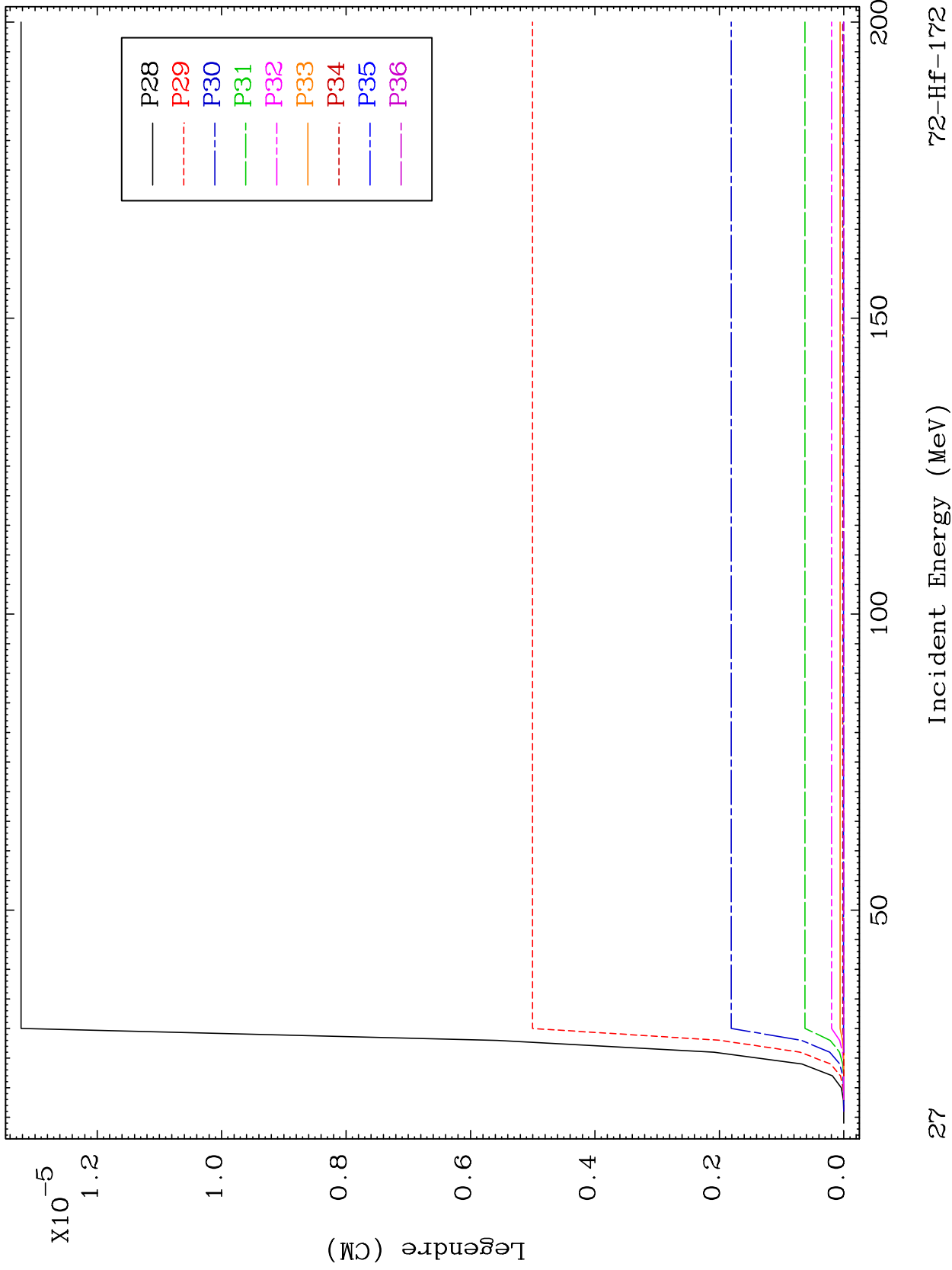
25



MAT 7219

309.2 keV (n,n') Level
Legendre Coefficients

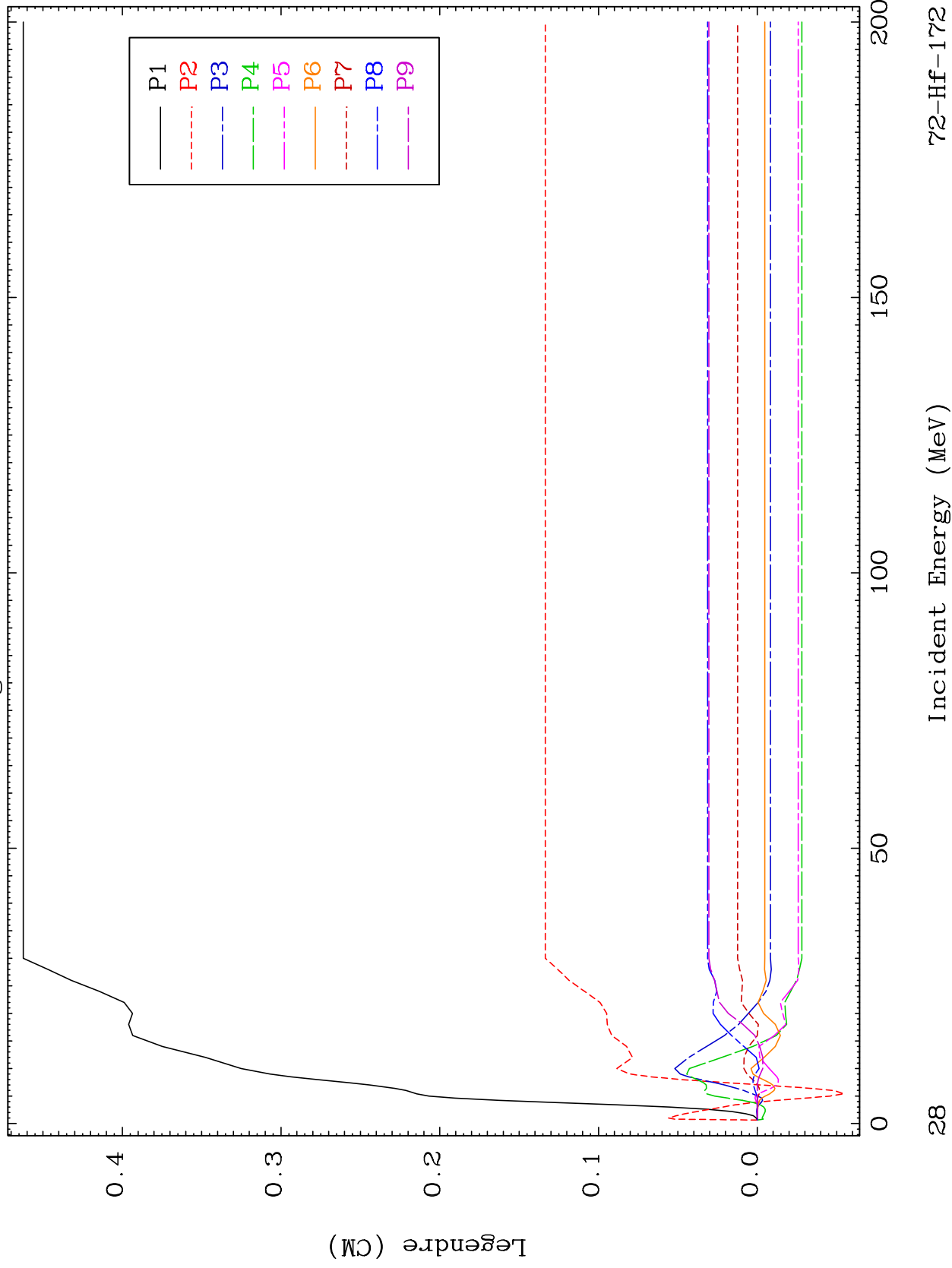
72-Hf-172



MAT 7219

628.3 keV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

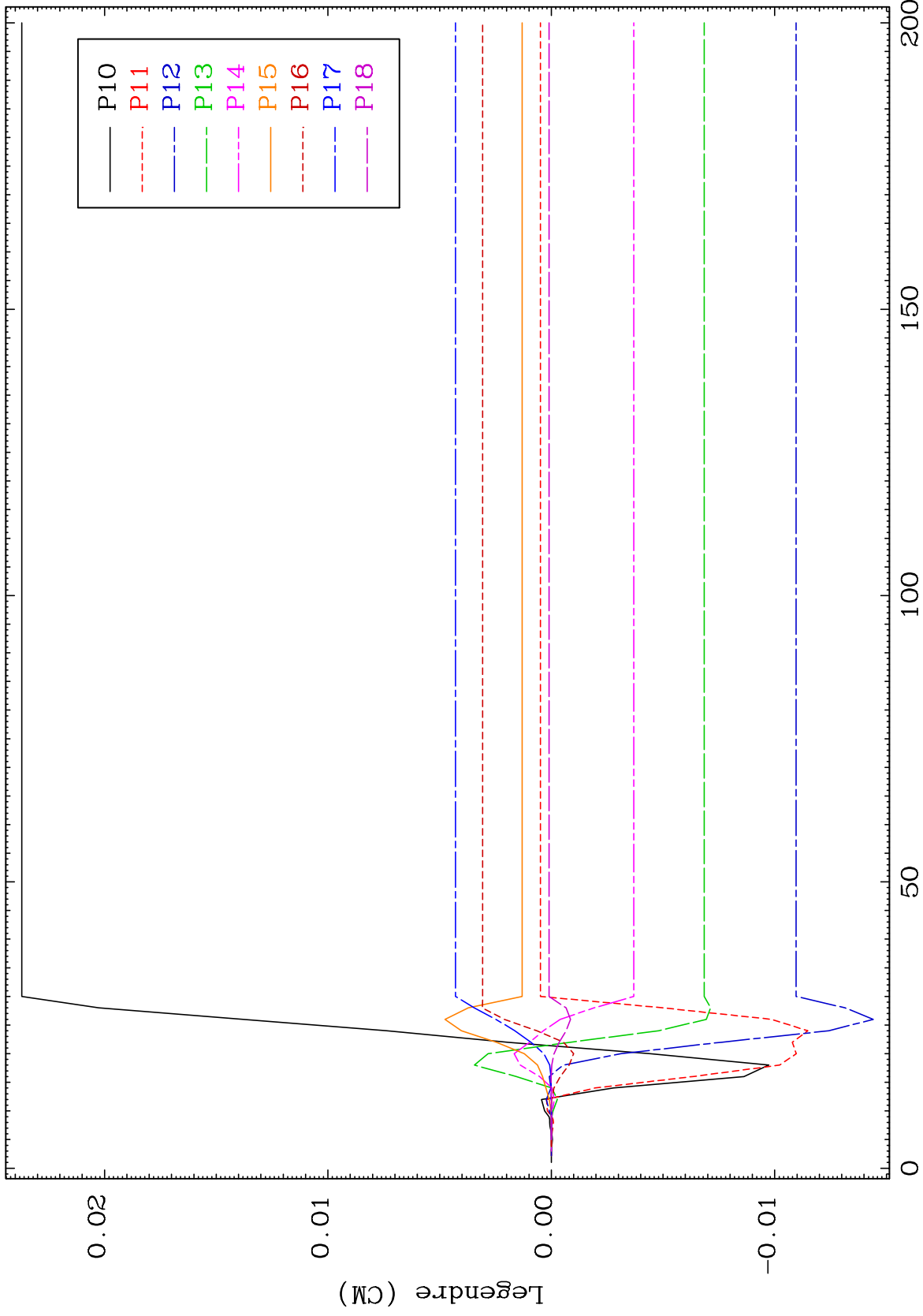
Incident Energy (MeV)

28

MAT 7219

628.3 keV (n,n') Level
Legendre Coefficients

72-Hf-172



29

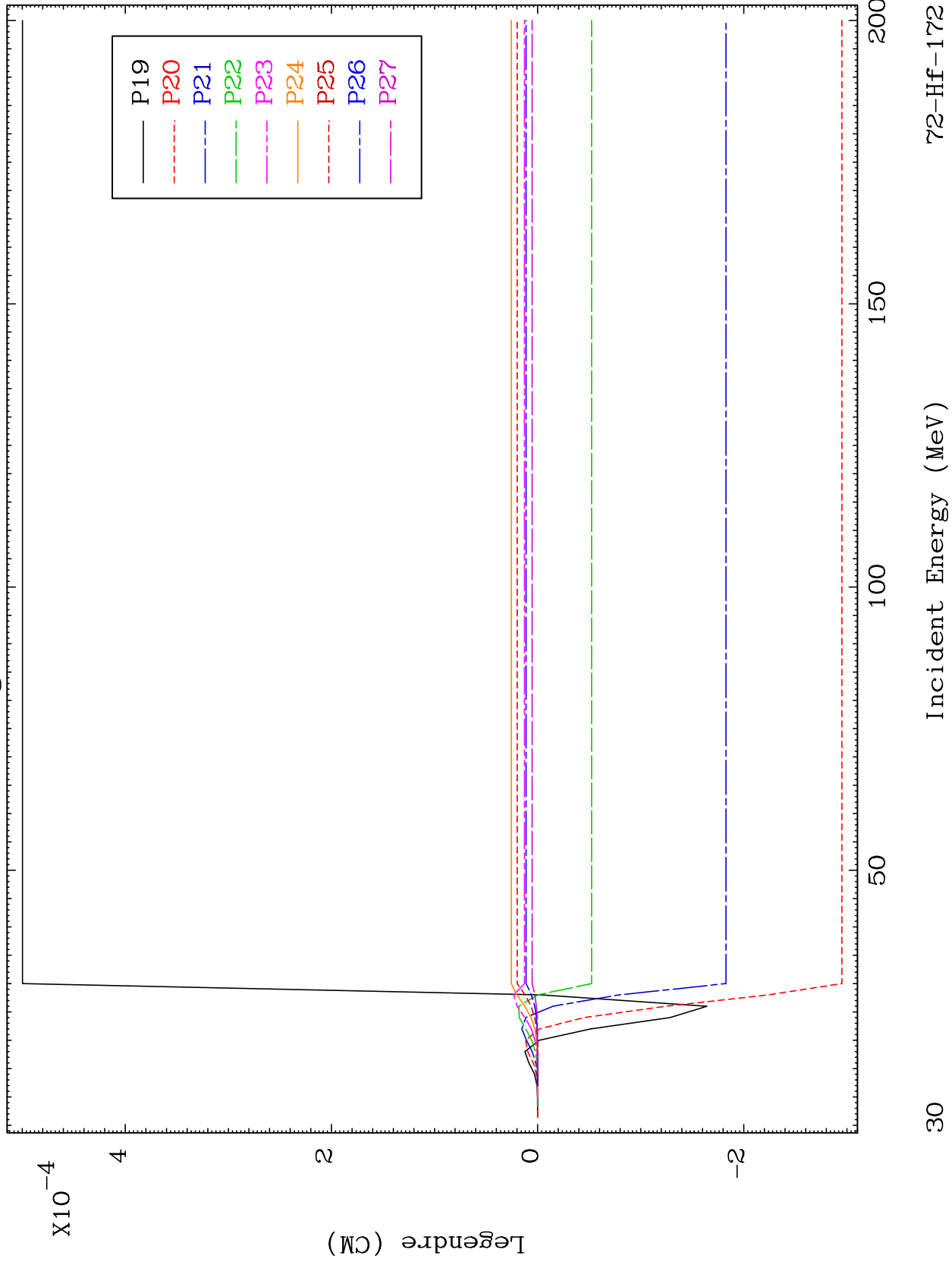
Incident Energy (MeV)

72-Hf-172

MAT 7219

628.3 keV (n,n') Level
Legendre Coefficients

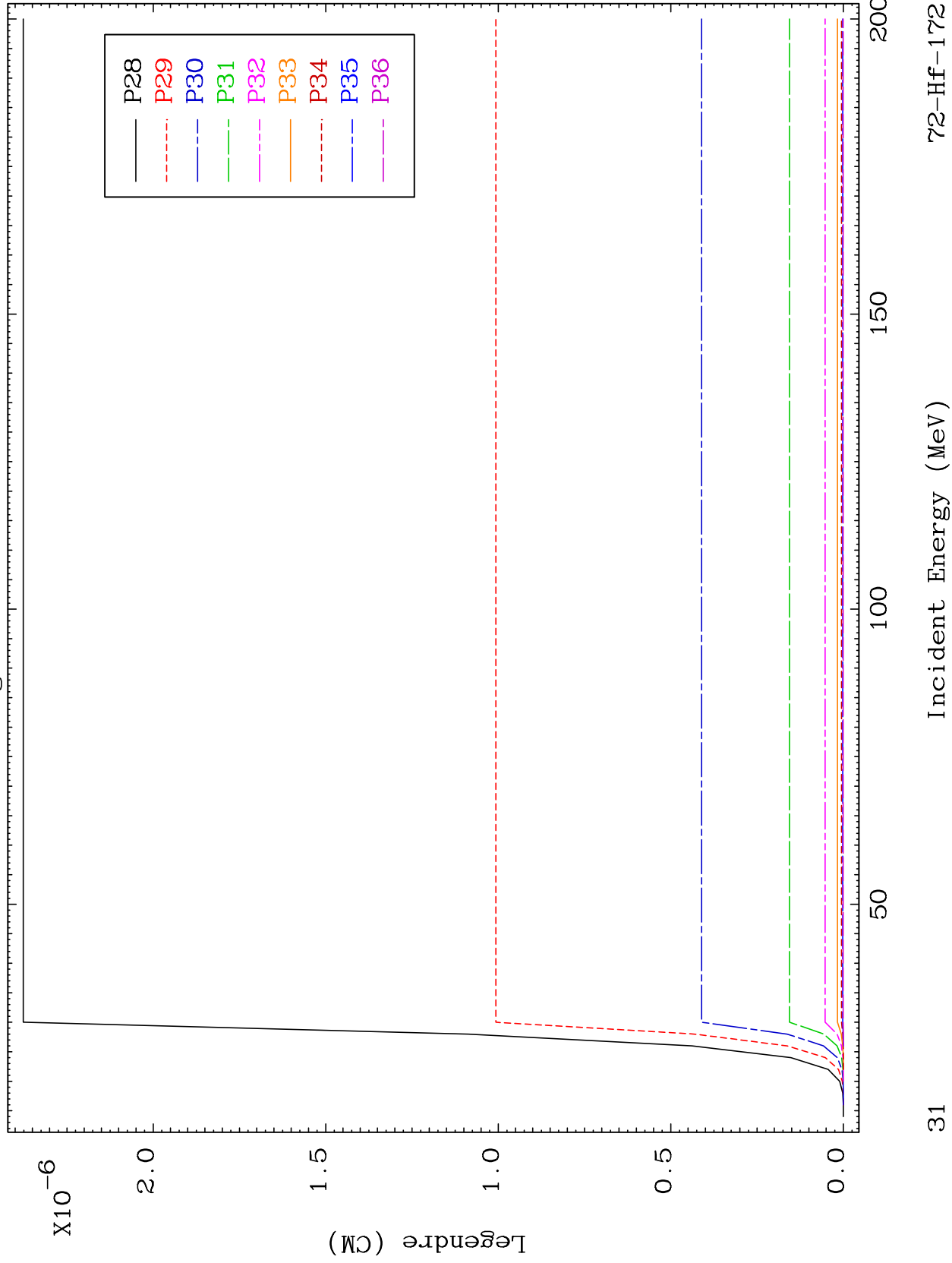
72-Hf-172



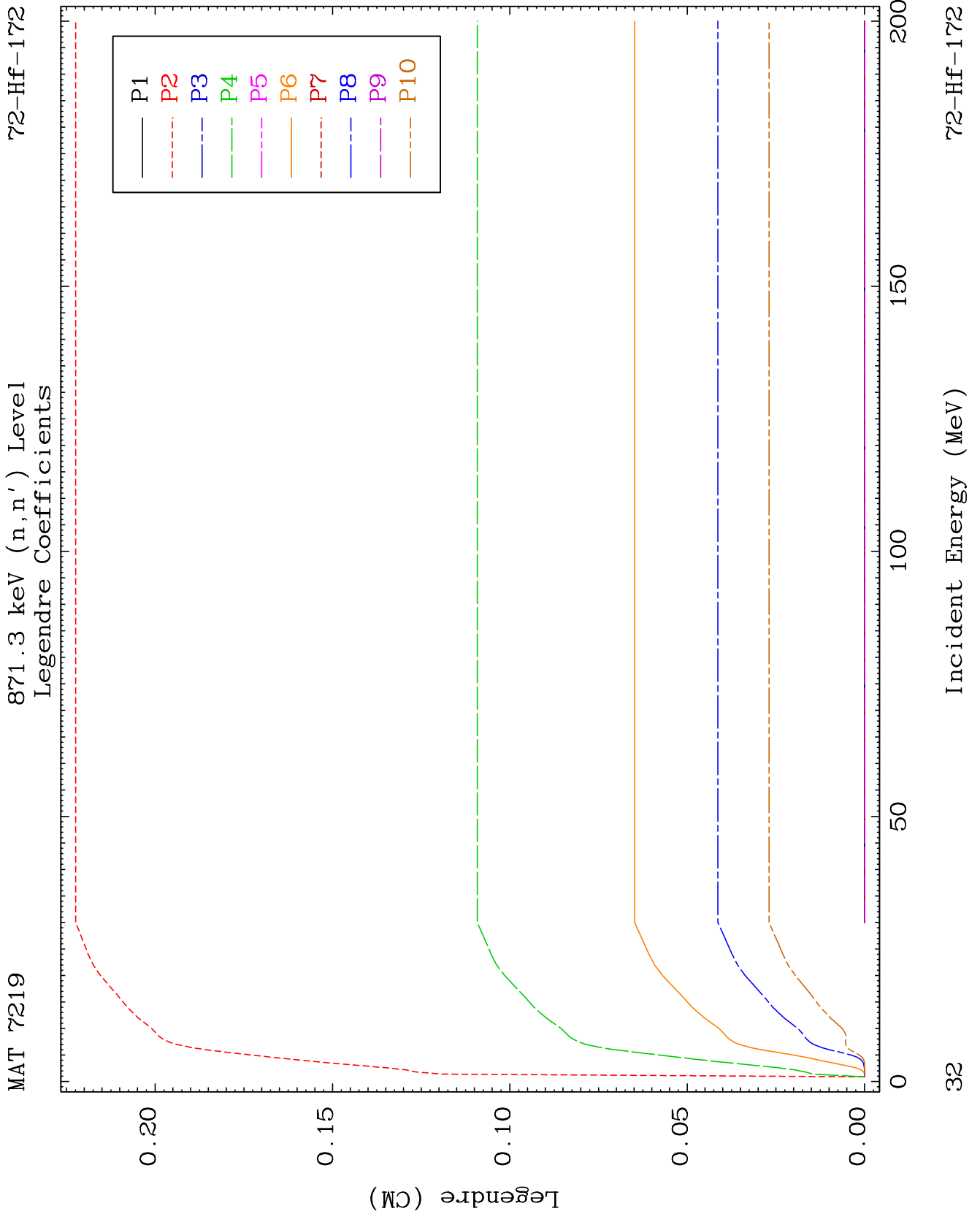
MAT 7219

628.3 keV (n,n') Level
Legendre Coefficients

72-Hf-172



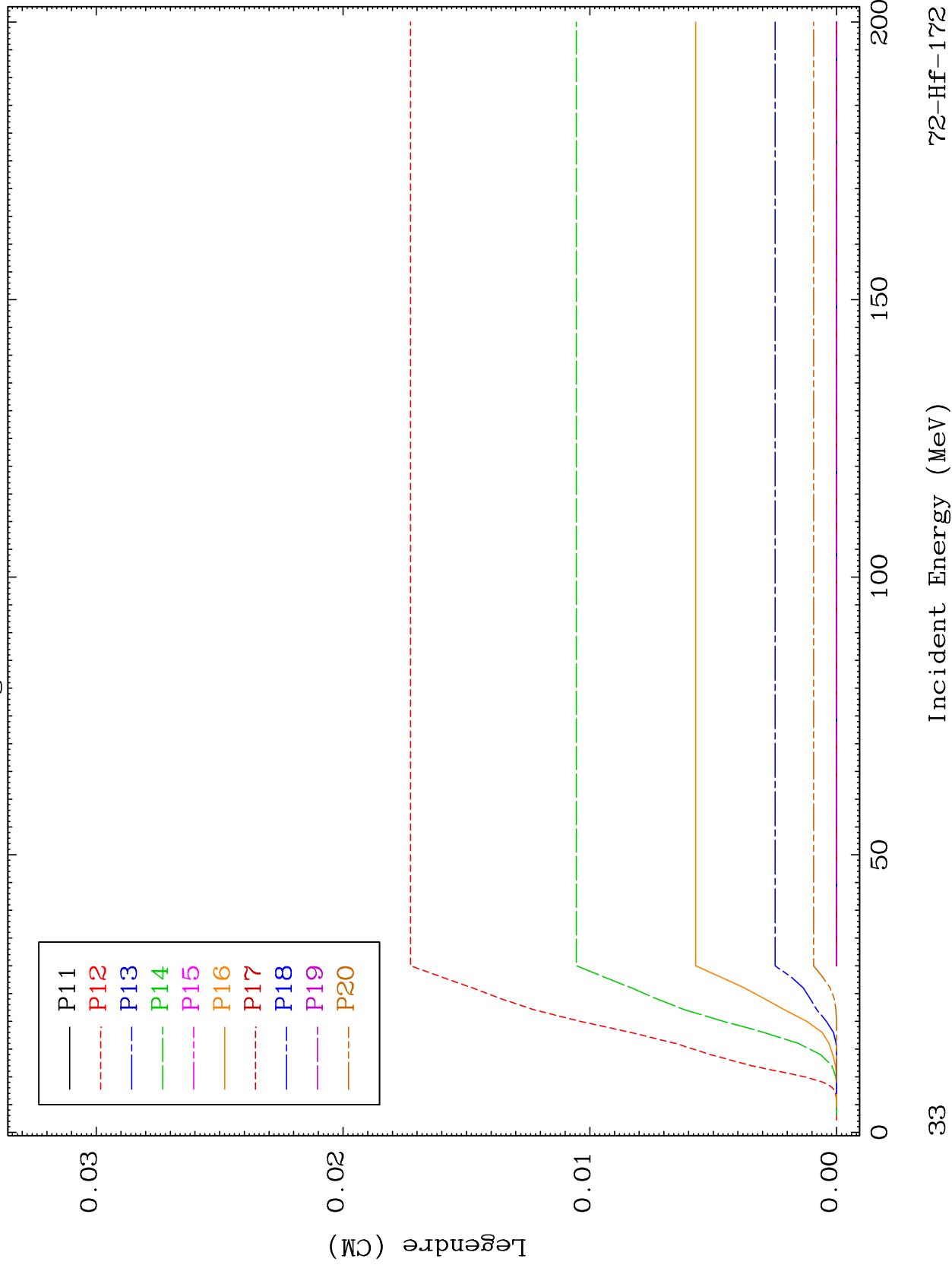
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MAT 7219

871.3 keV (n,n') Level
Legendre Coefficients

72-Hf-172



33

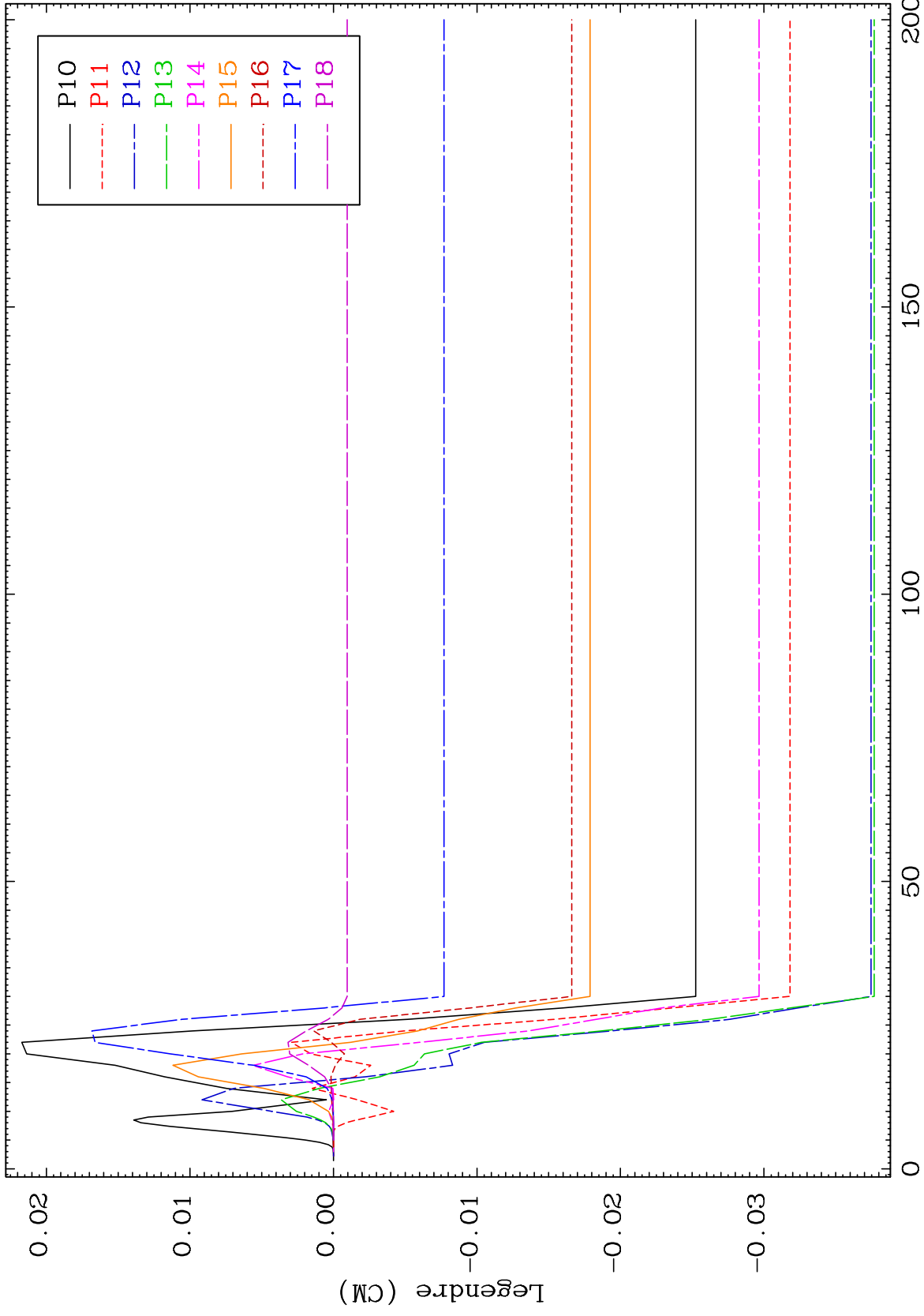
Incident Energy (MeV)

72-Hf-172

MAT 7219

952.4 keV (n,n') Level
Legendre Coefficients

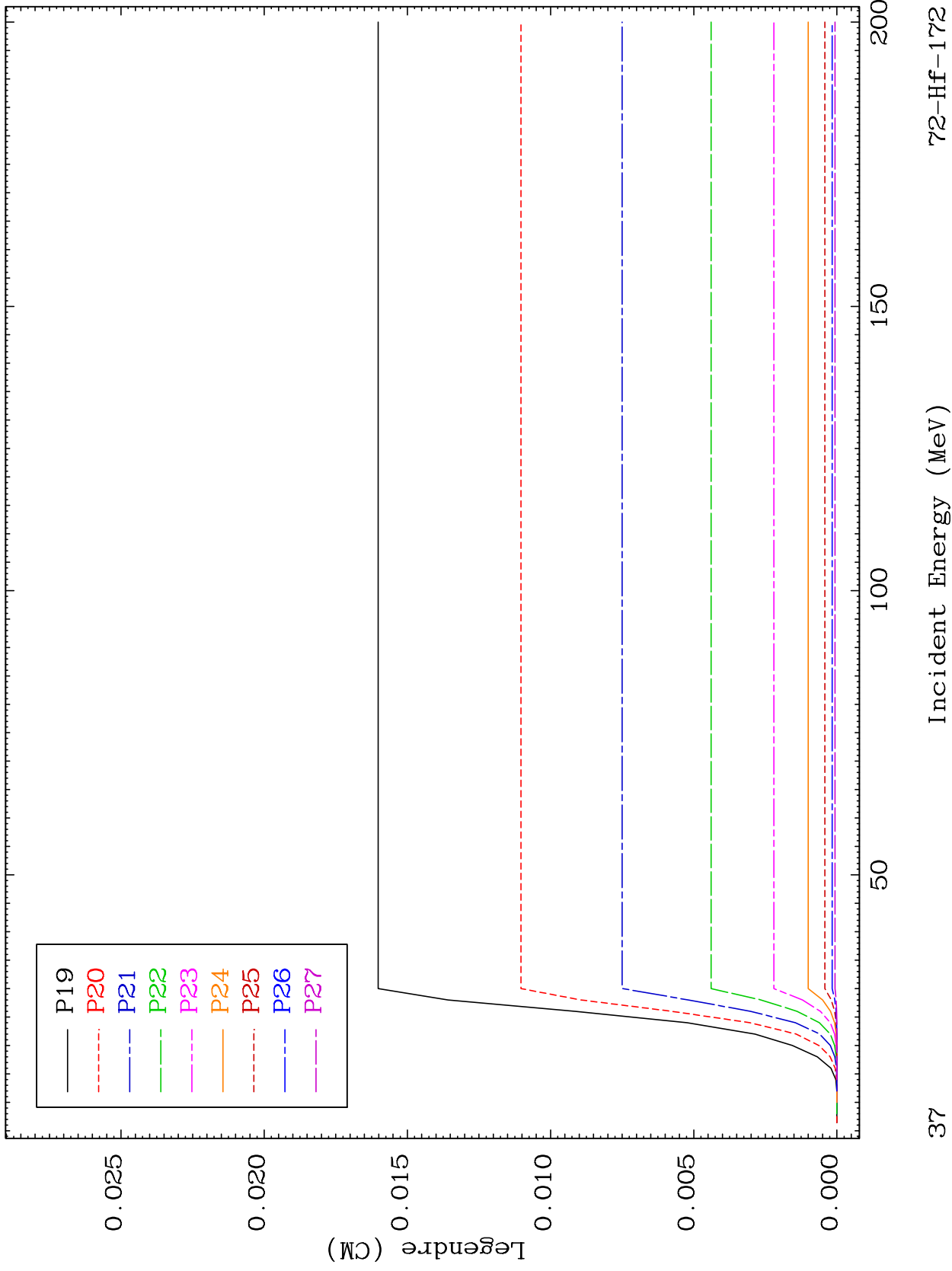
72-Hf-172



36

Incident Energy (MeV)

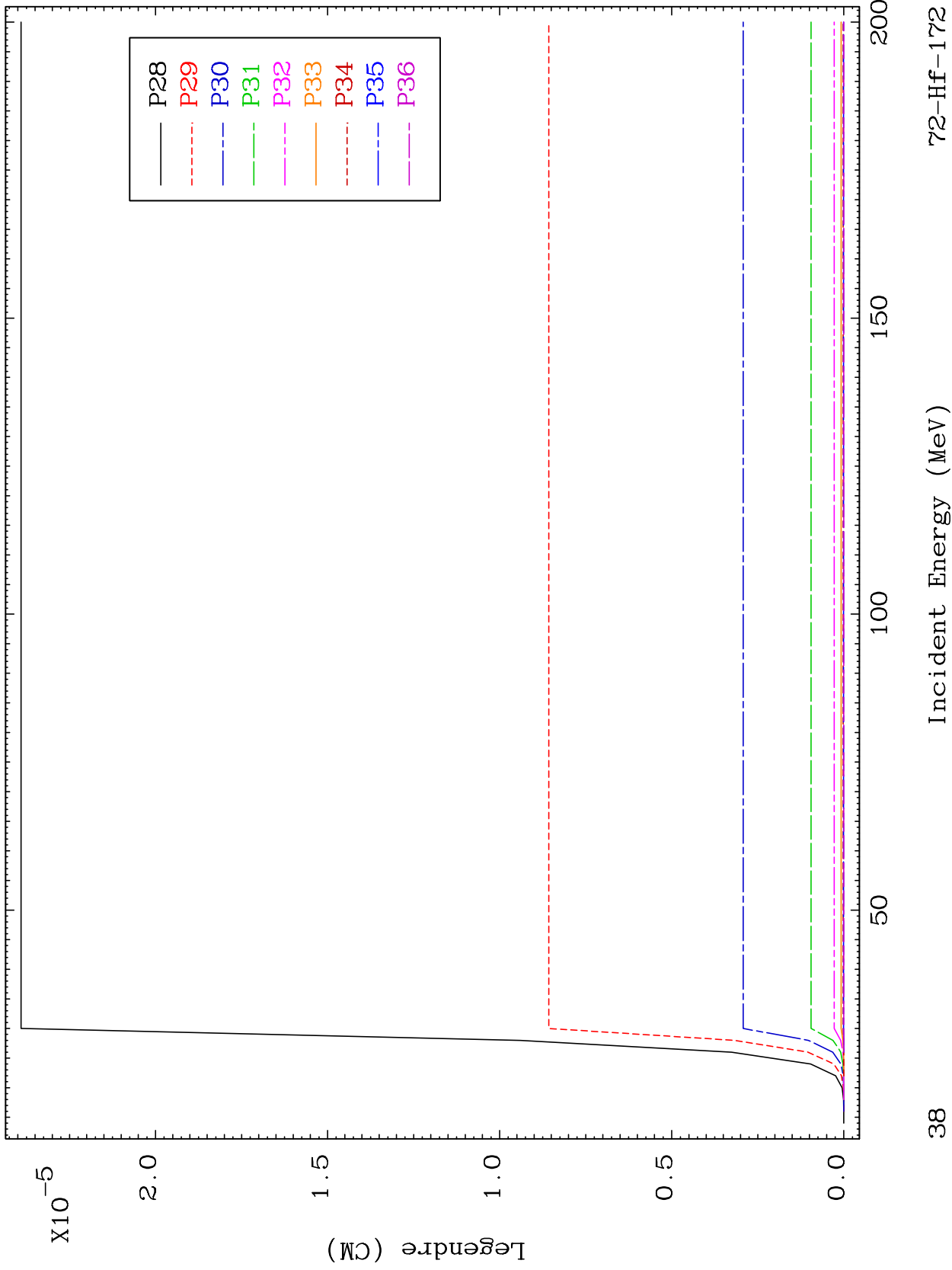
72-Hf-172



MAT 7219

952.4 keV (n,n') Level
Legendre Coefficients

72-Hf-172

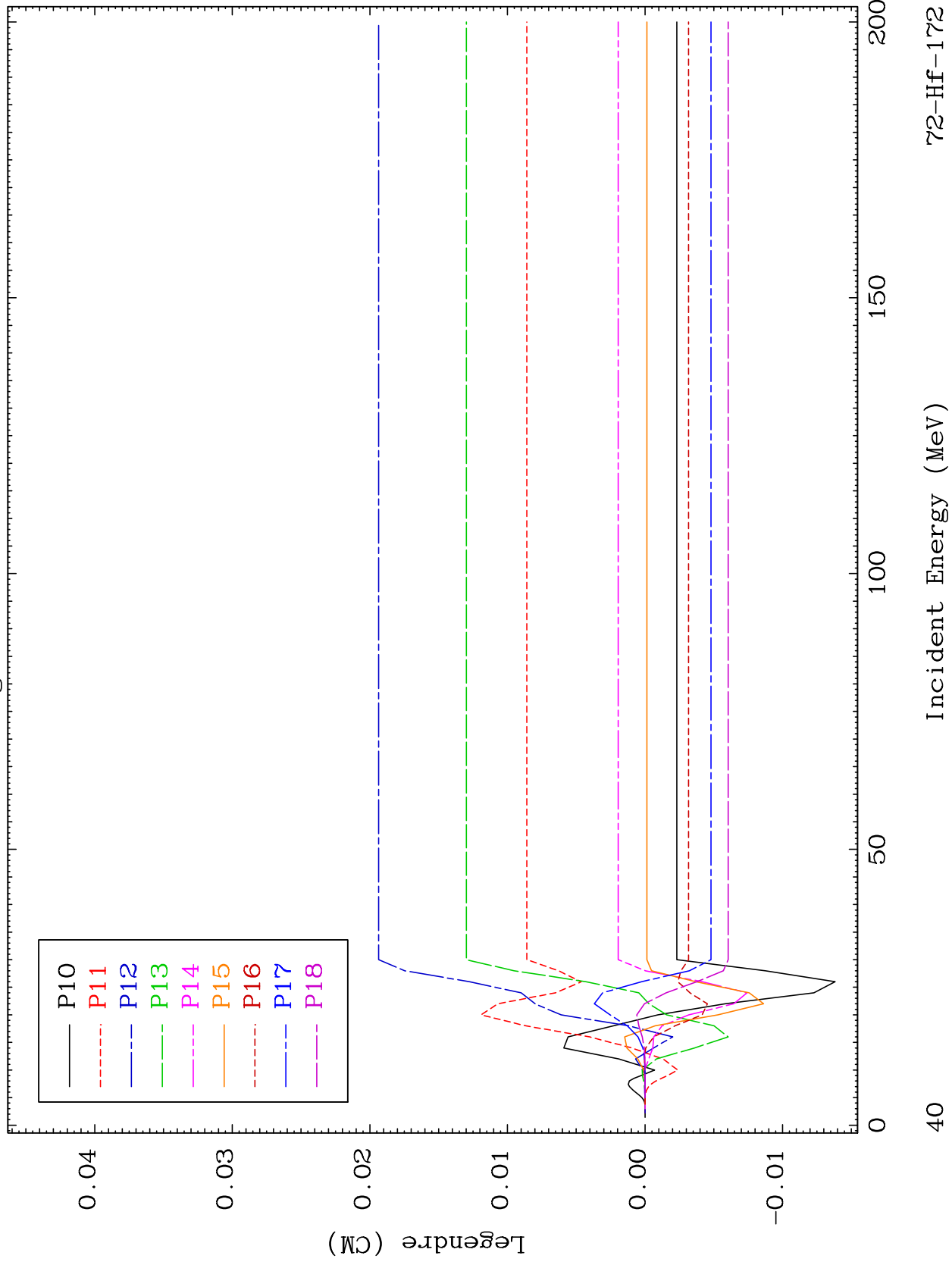


38

MAT 7219

1.031 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

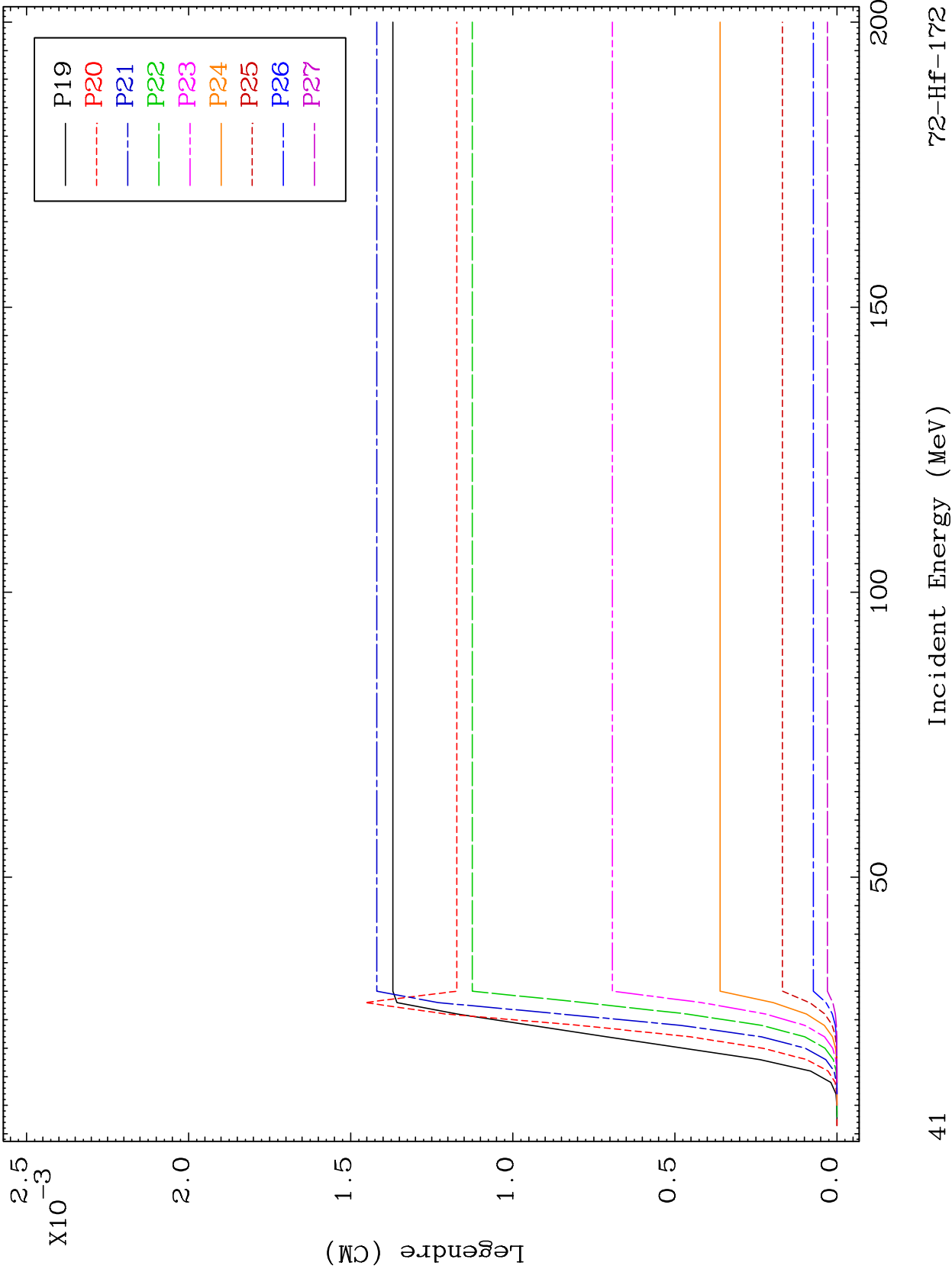
Incident Energy (MeV)

40

MAT 7219

1.031 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



41

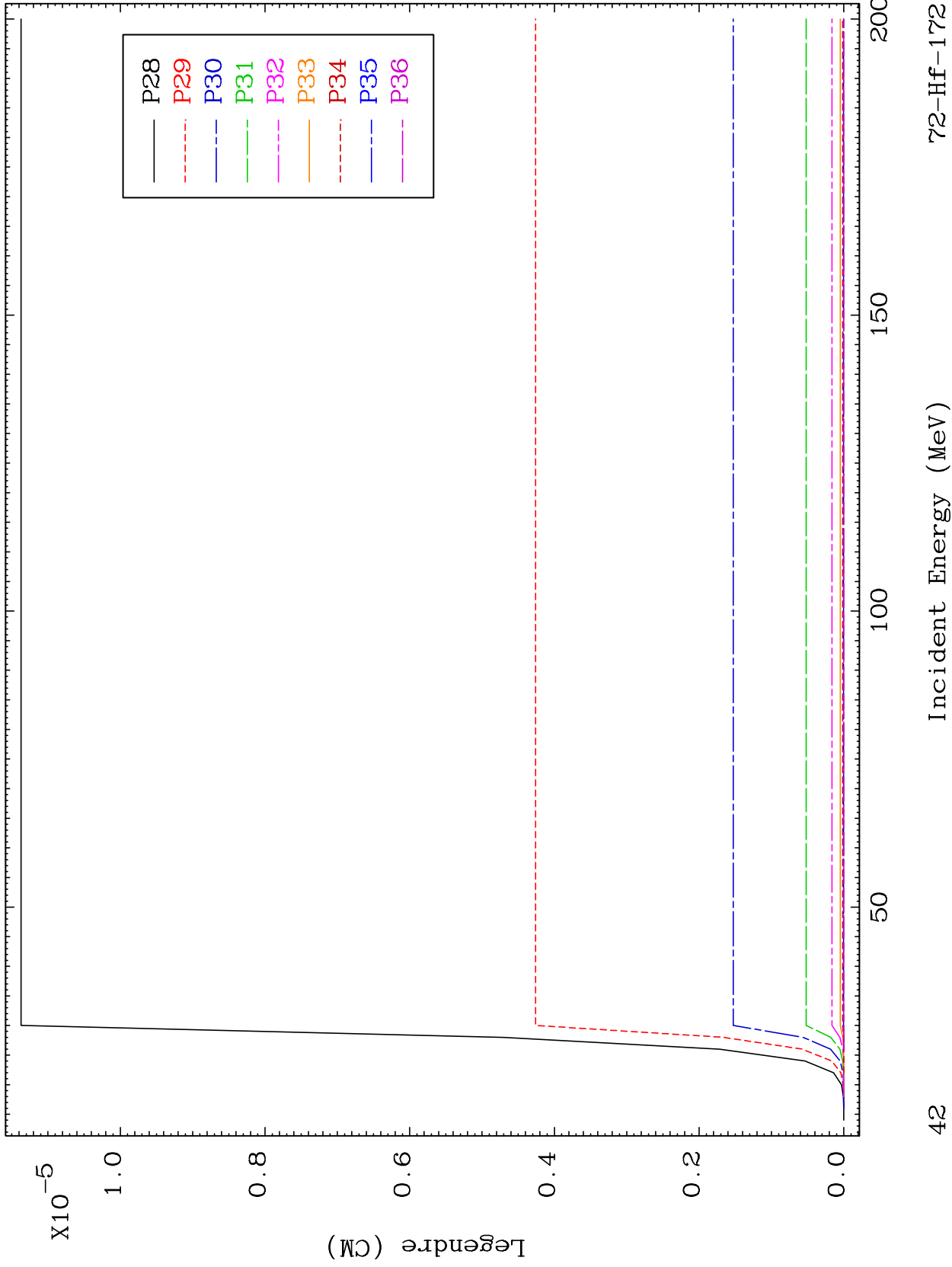
Incident Energy (MeV)

72-Hf-172

MAT 7219

1.031 MeV (n,n') Level
Legendre Coefficients

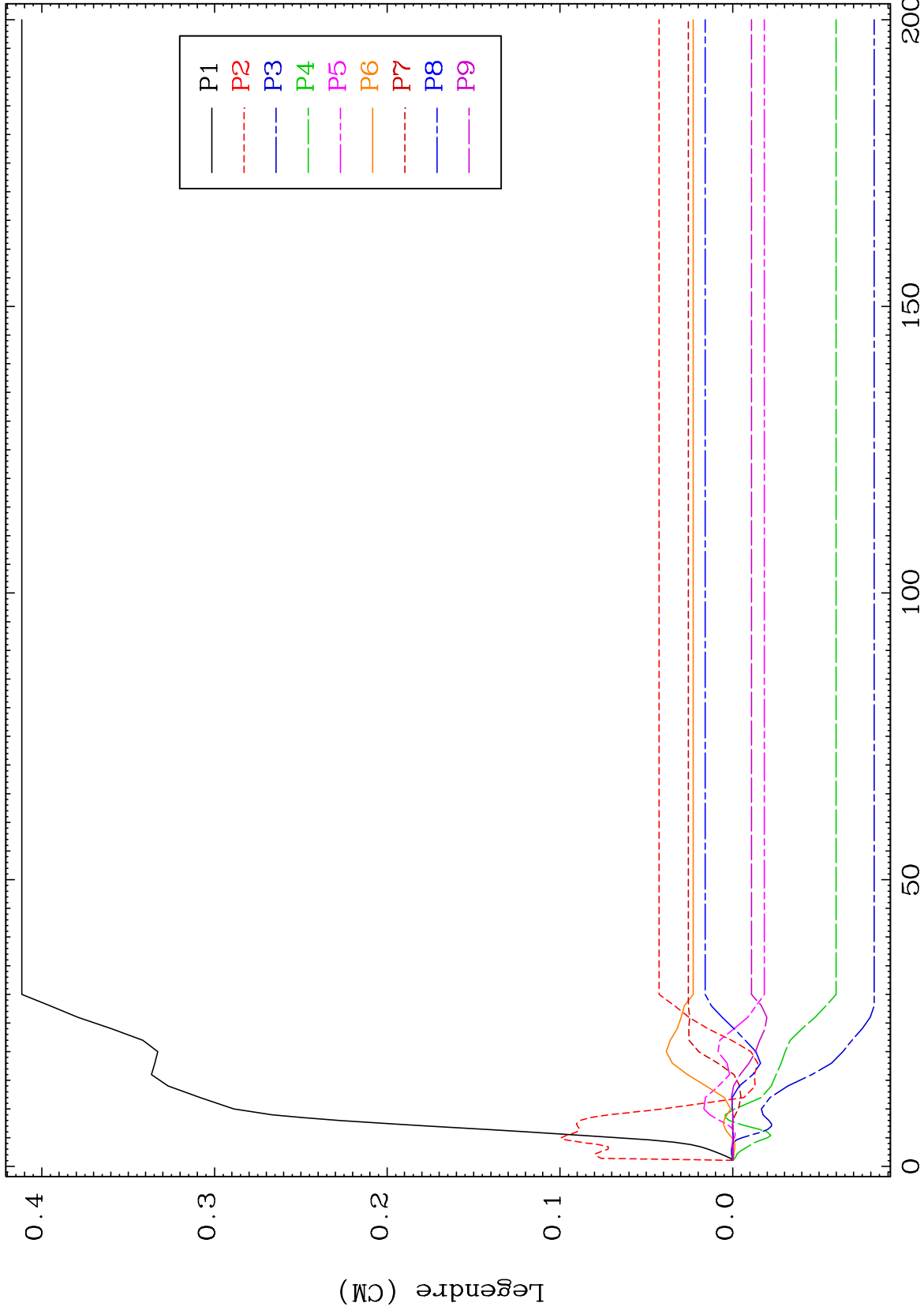
72-Hf-172



42

Incident Energy (MeV)

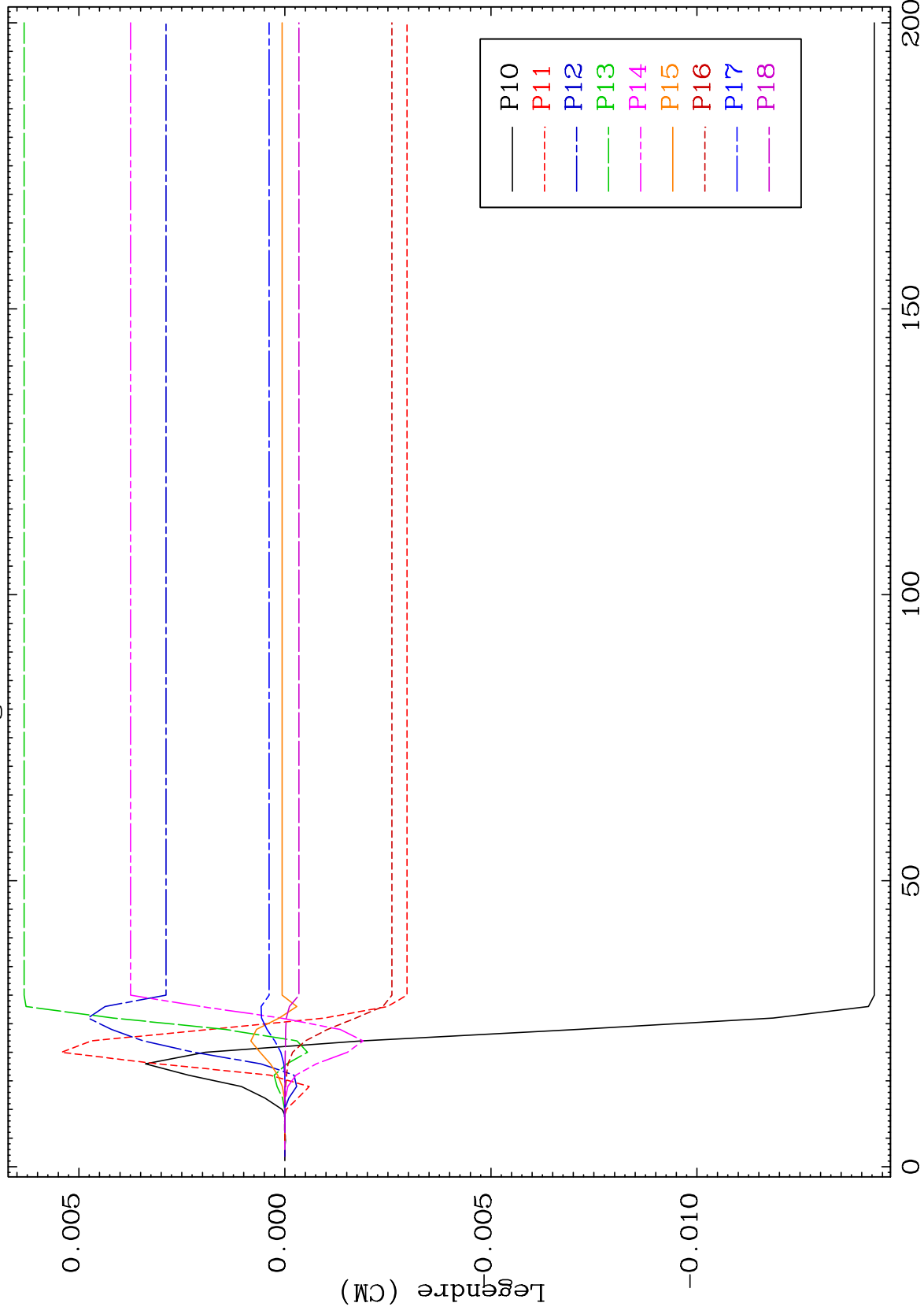
72-Hf-172



MAT 7219

1.037 MeV (n,n') Level
Legendre Coefficients

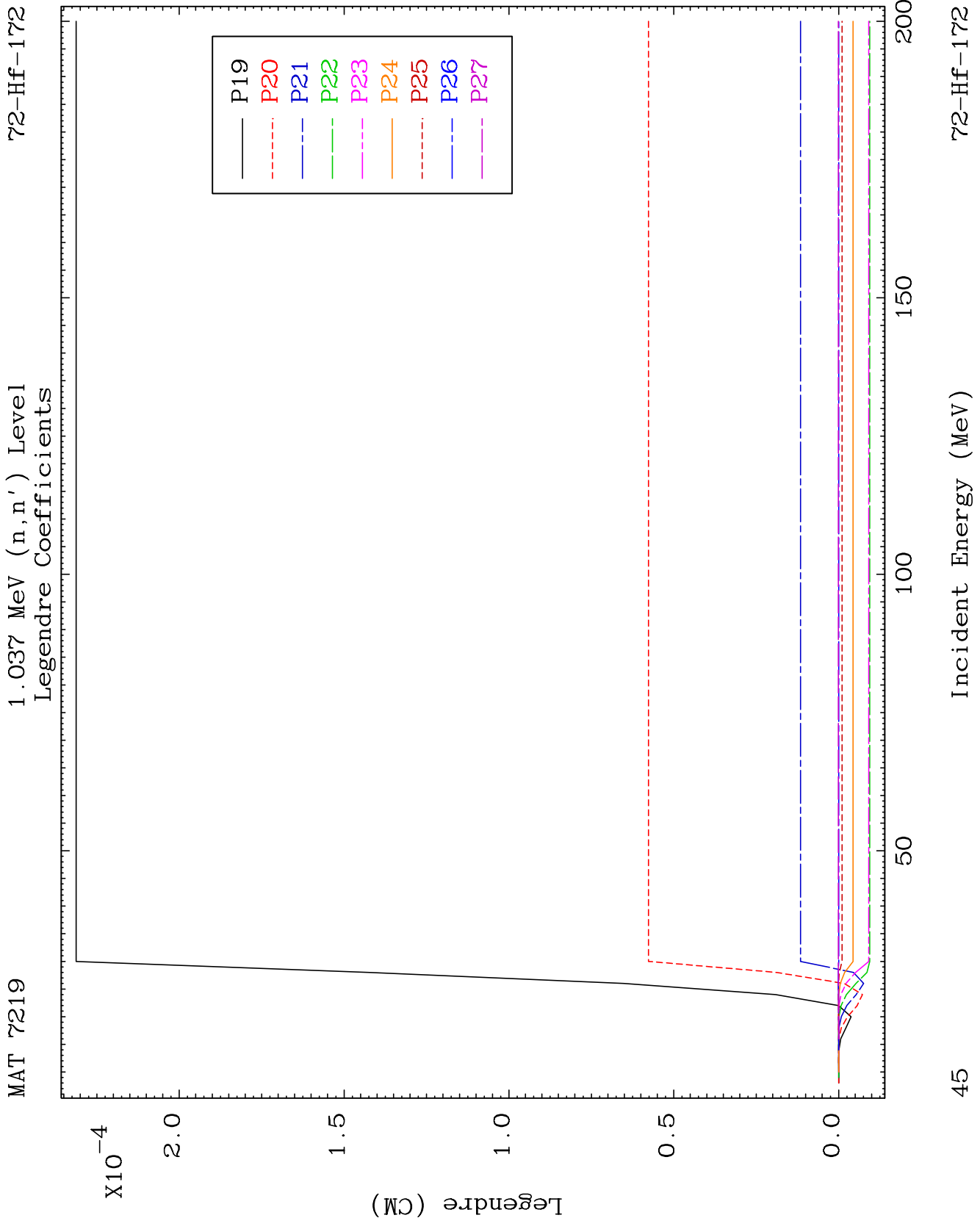
72-Hf-172



44

Incident Energy (MeV)

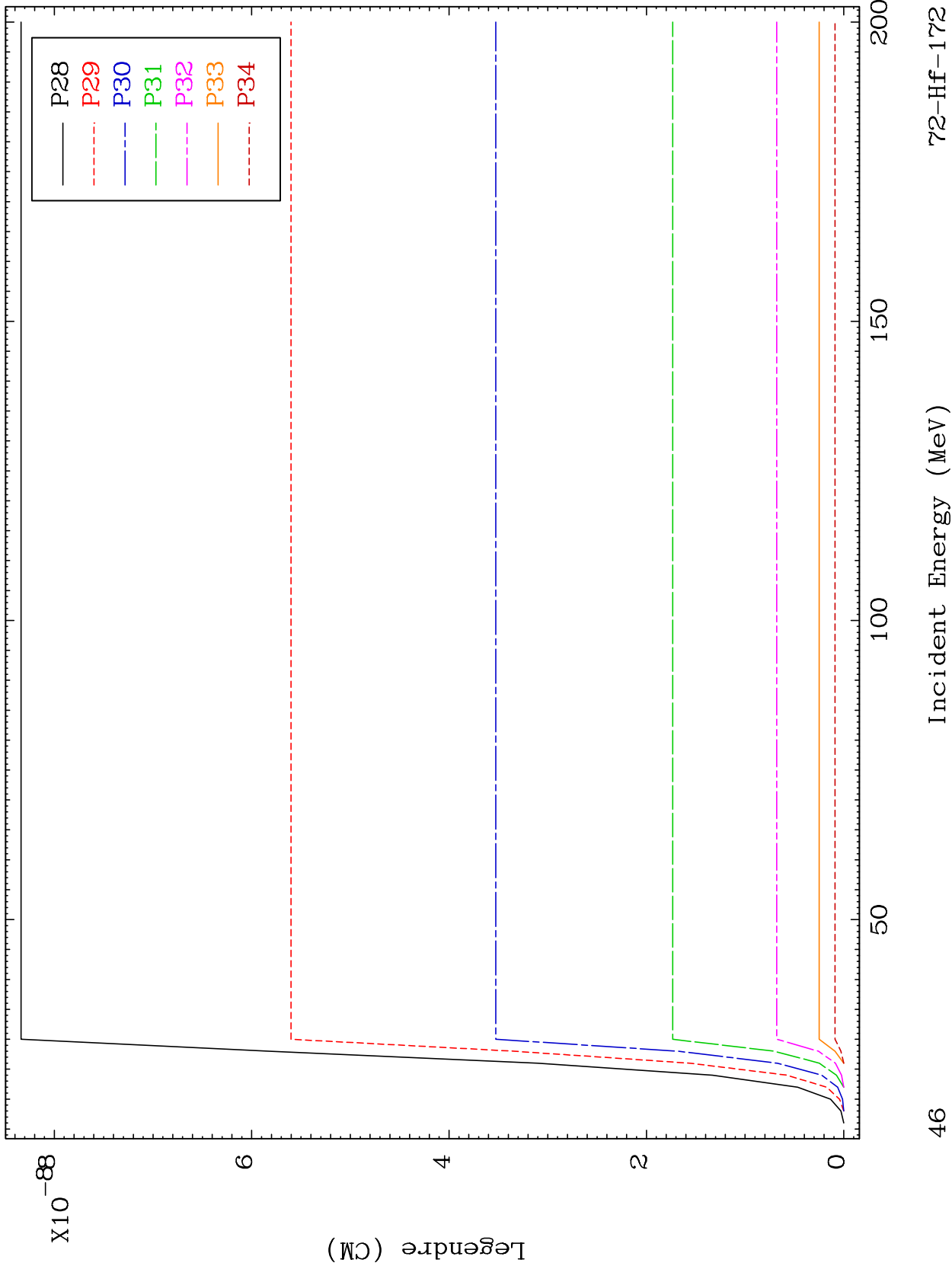
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MAT 7219

1.037 MeV (n,n') Level
Legendre Coefficients

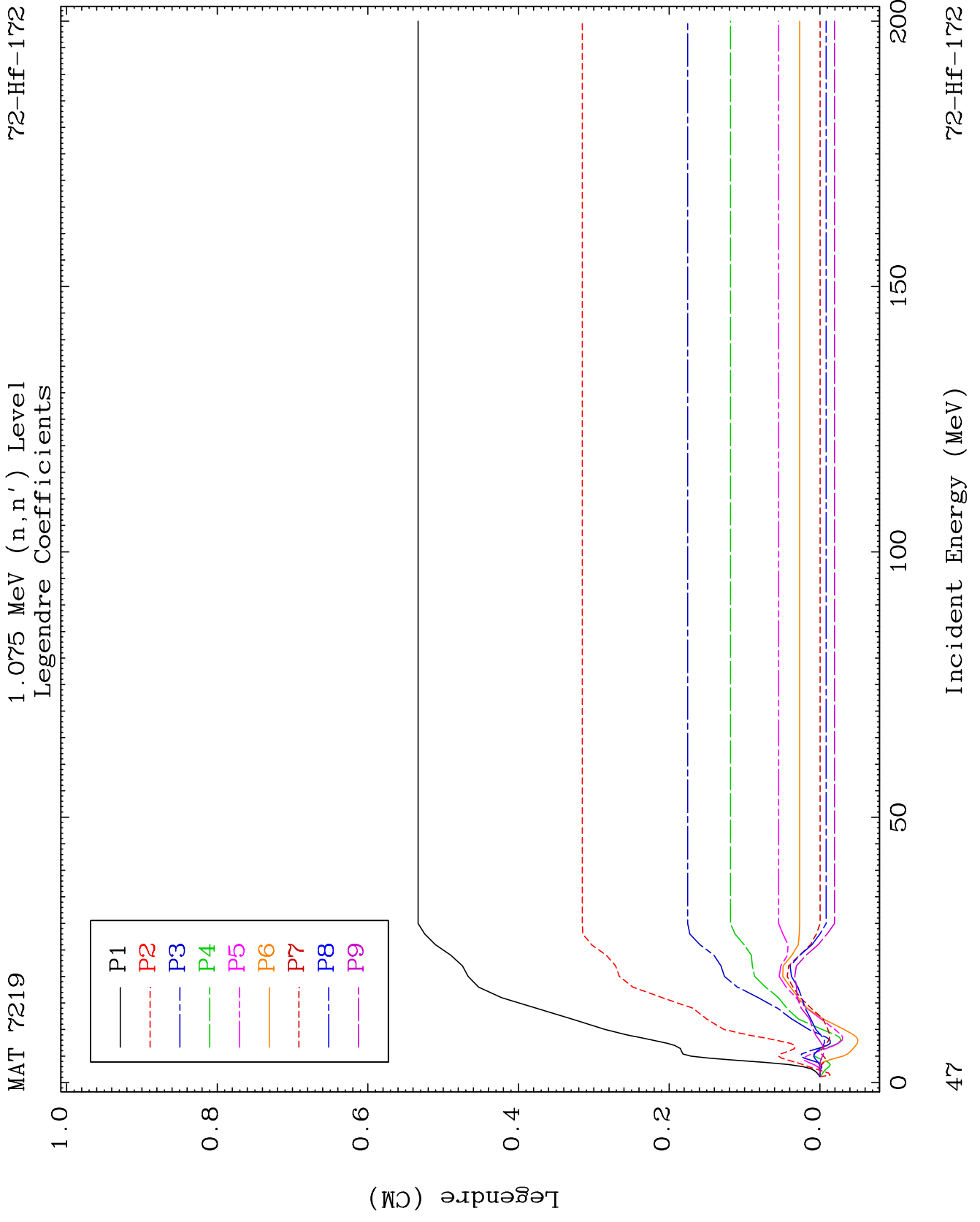
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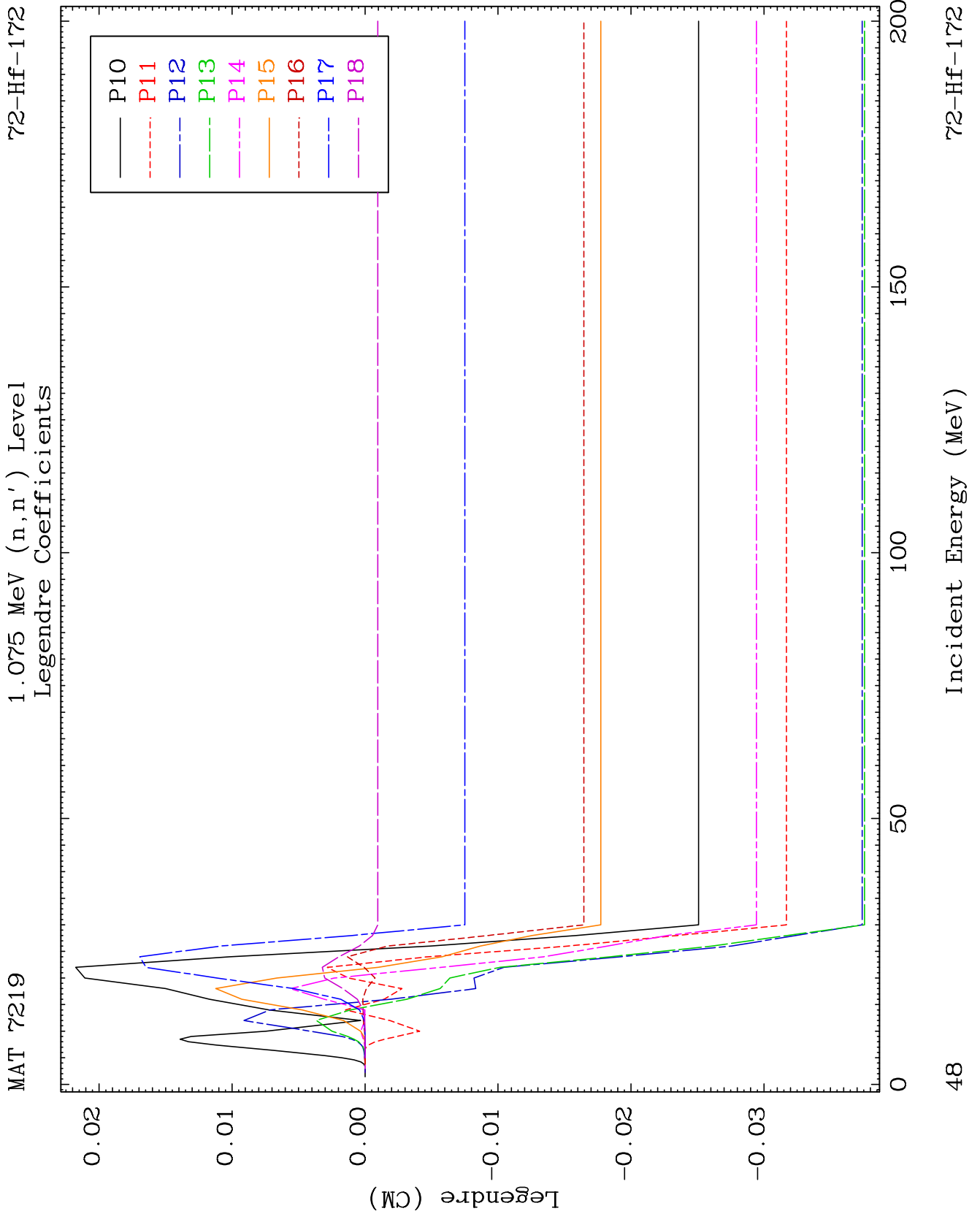


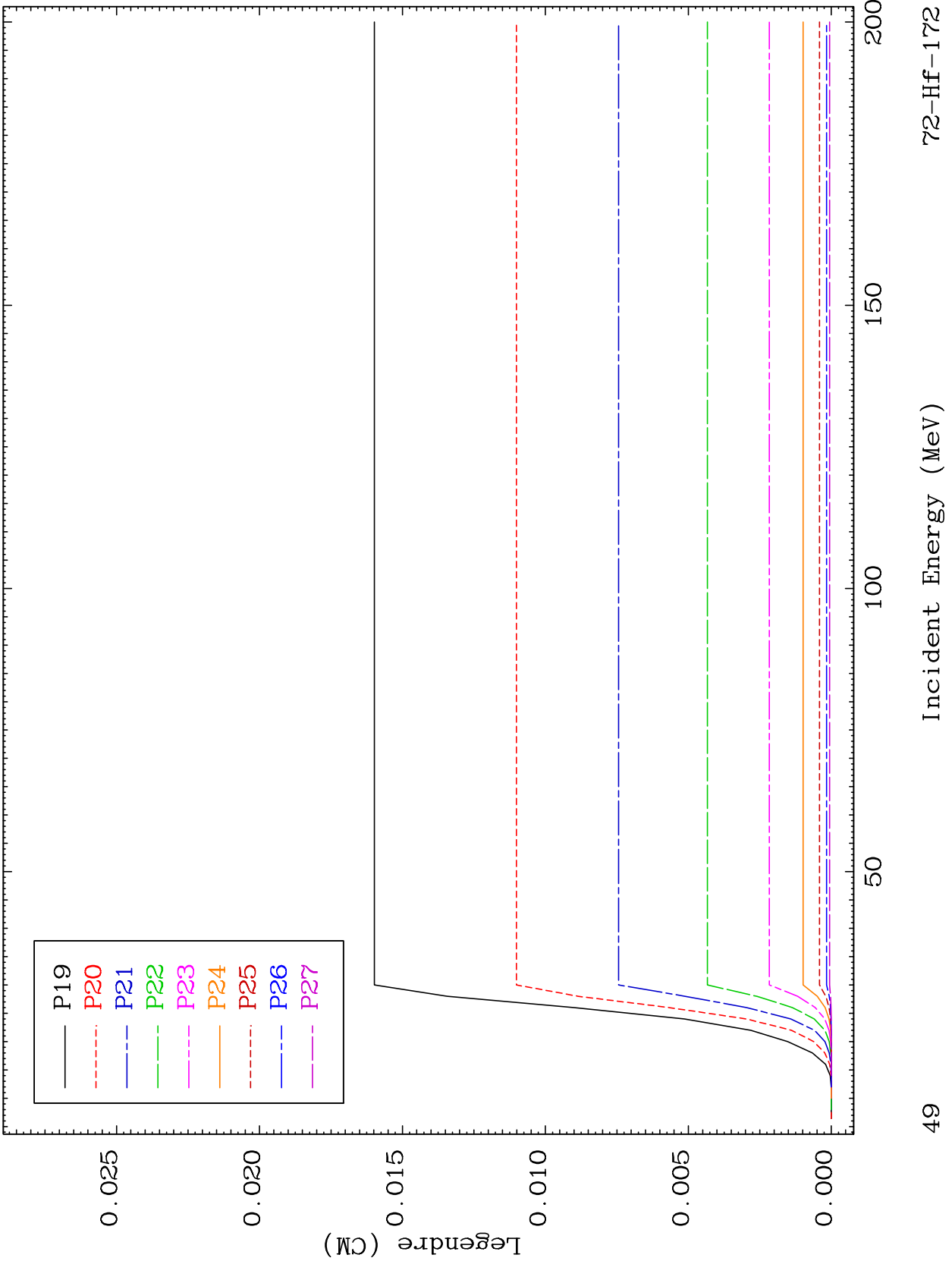
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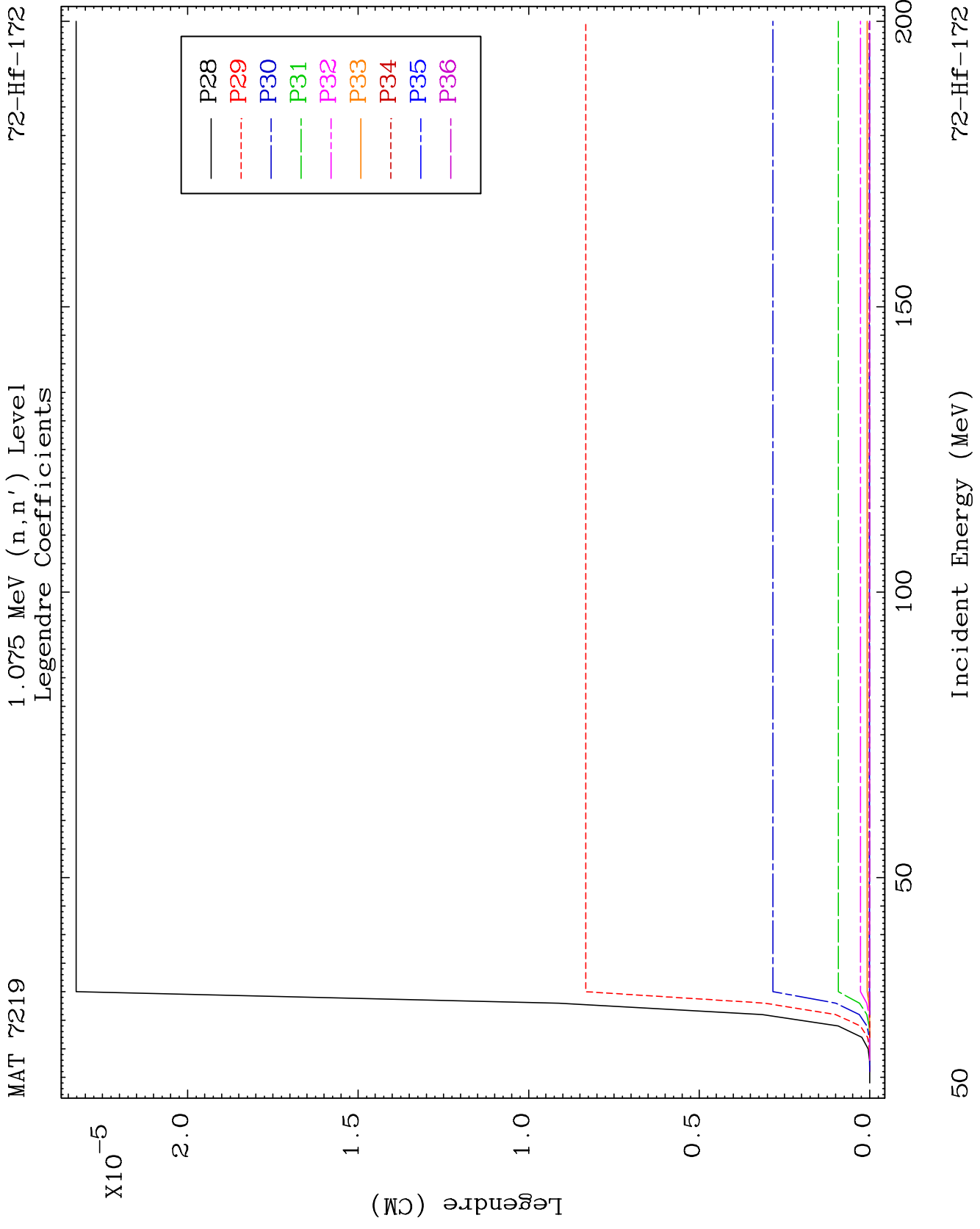
Incident Energy (MeV)

72-Hf-172





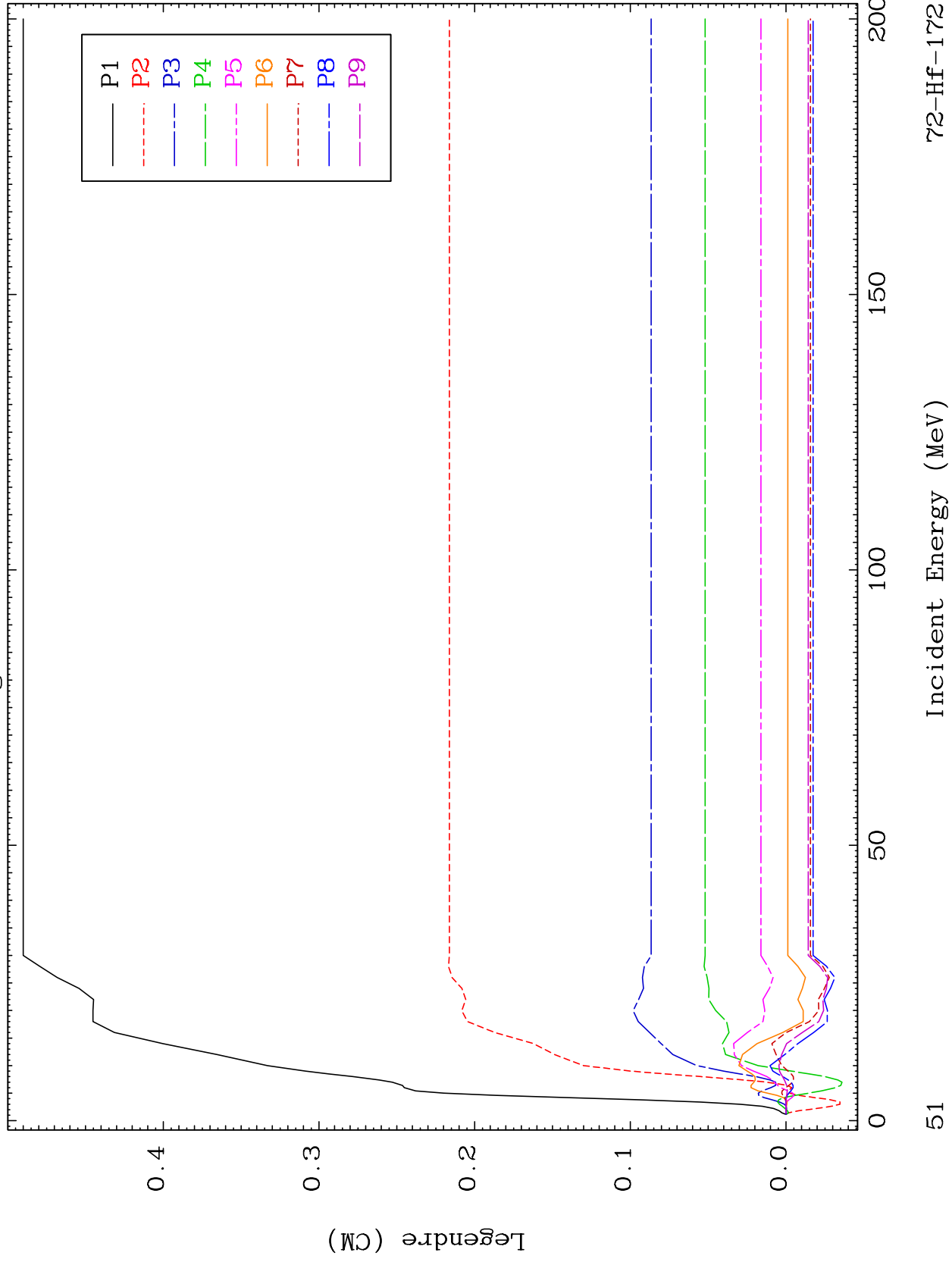




MAT 7219

1.130 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

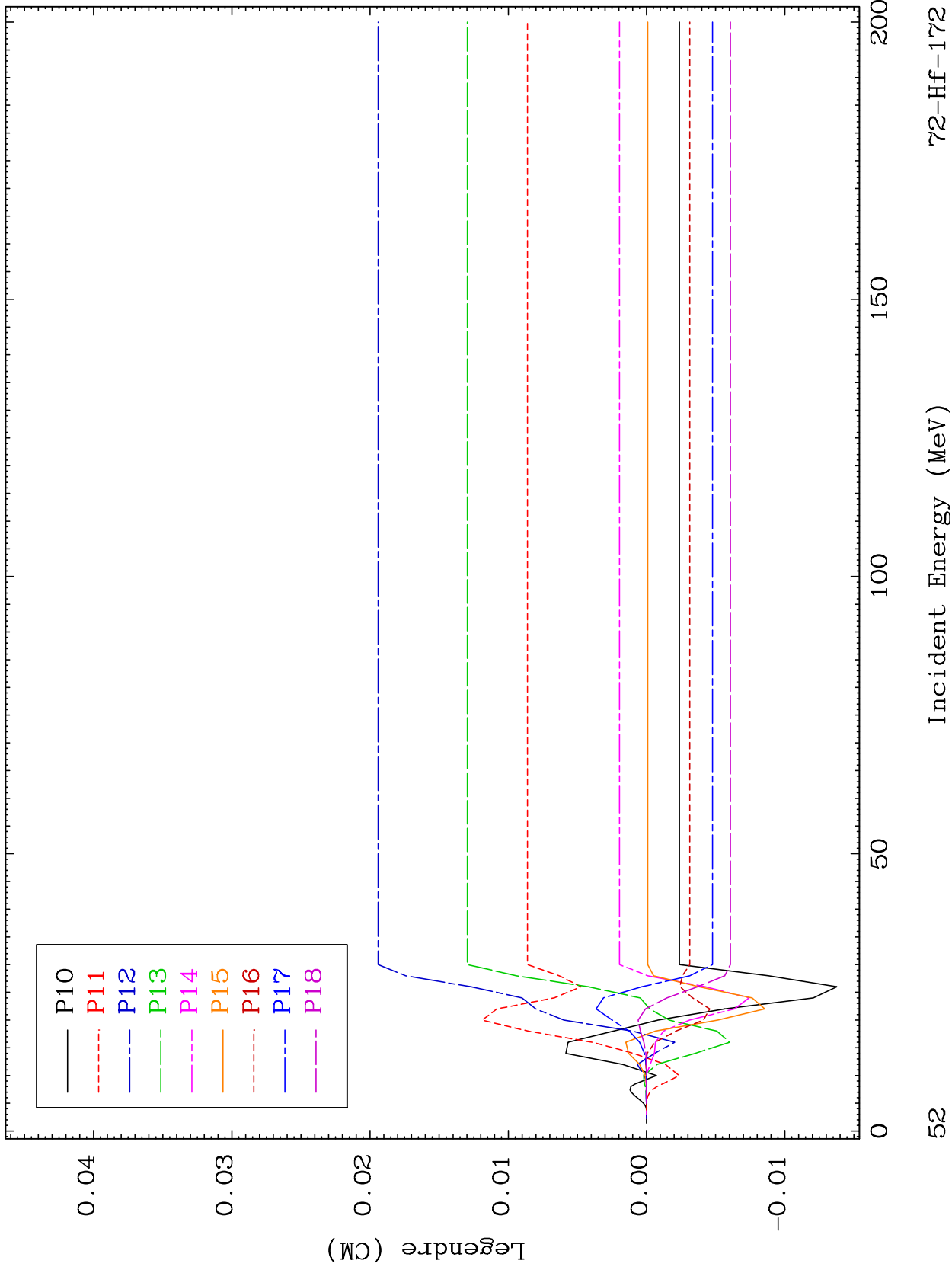
Incident Energy (MeV)

51

MAT 7219

1.130 MeV (n, n') Level
Legendre Coefficients

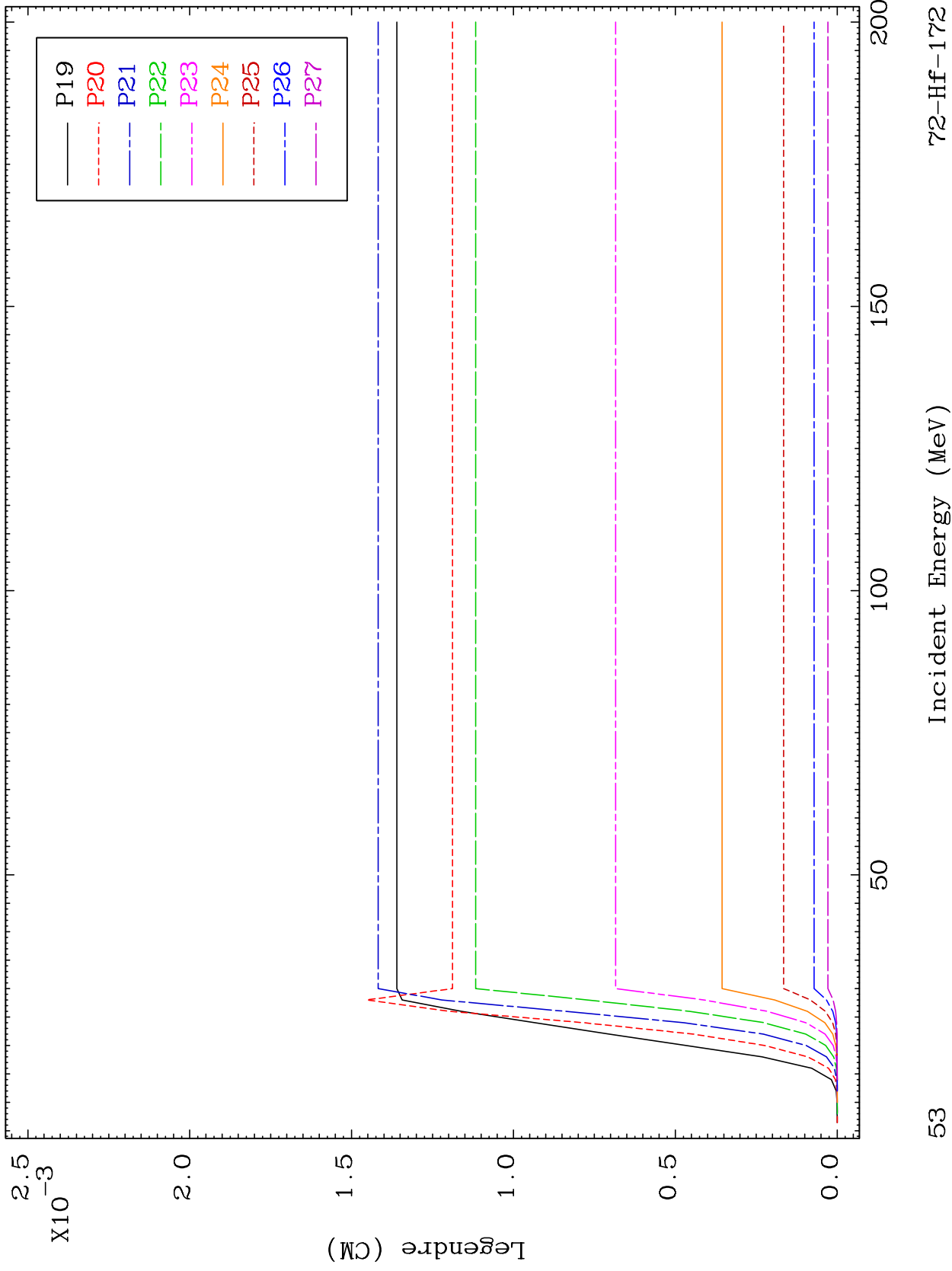
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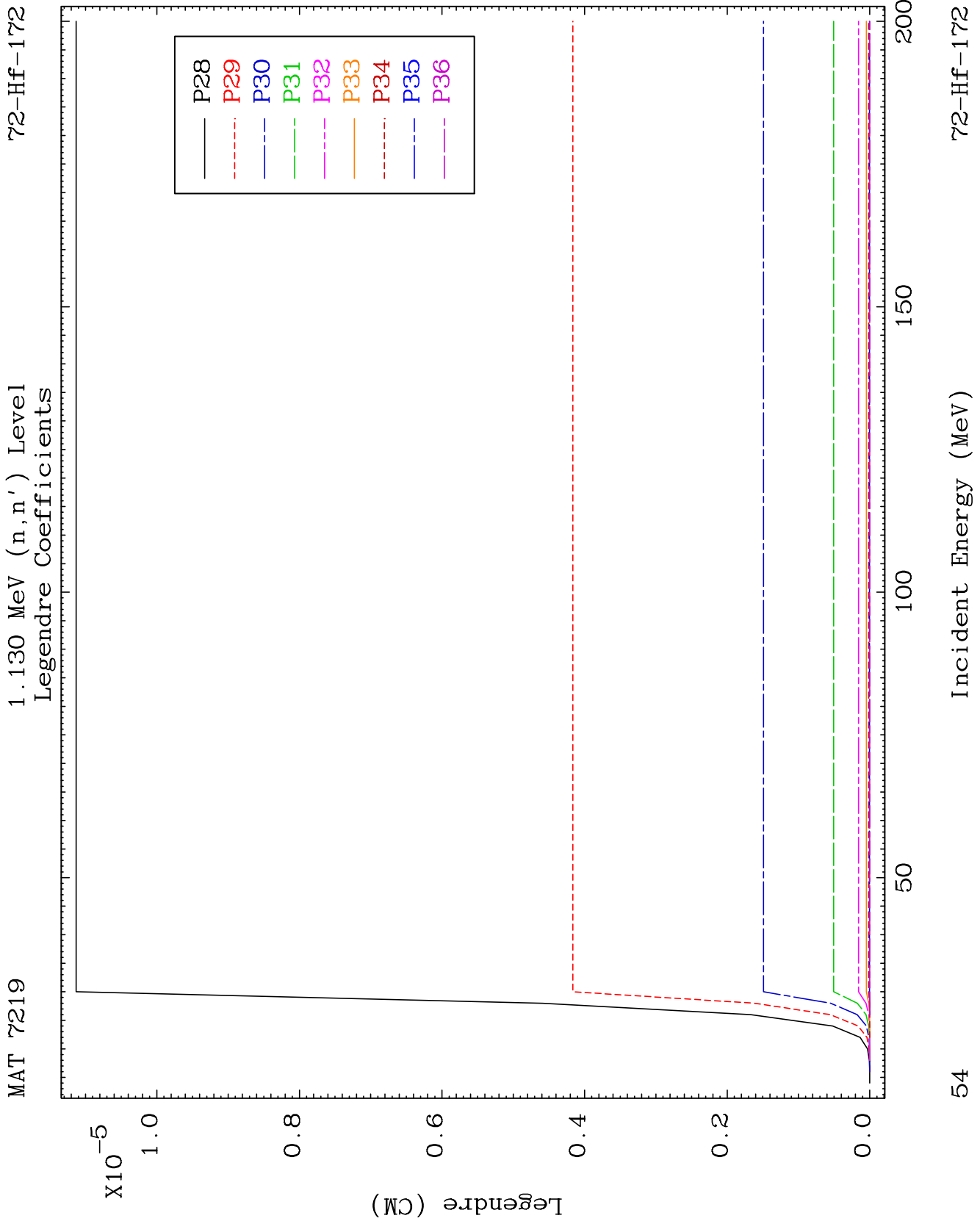


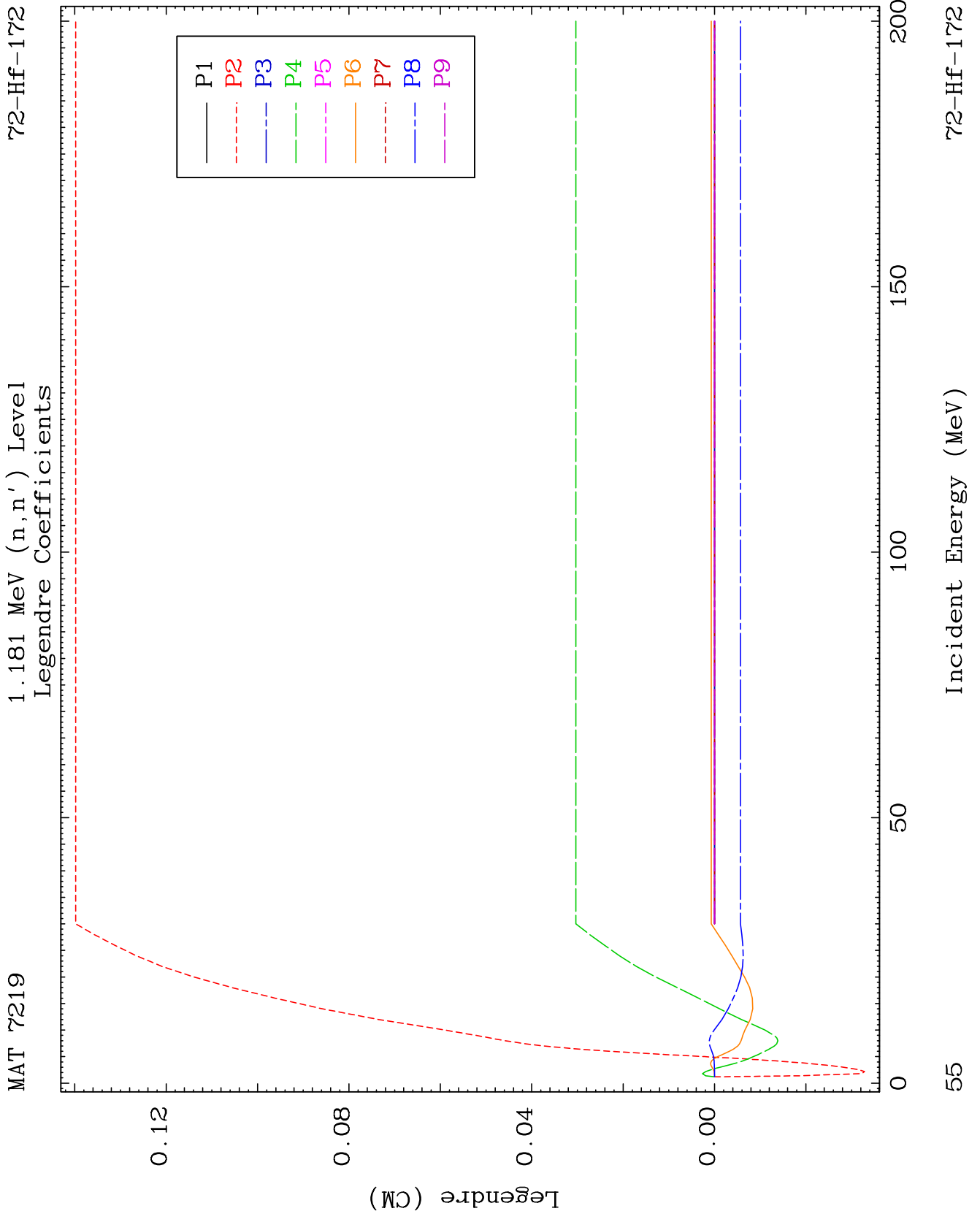
52

Incident Energy (MeV)

72-Hf-172



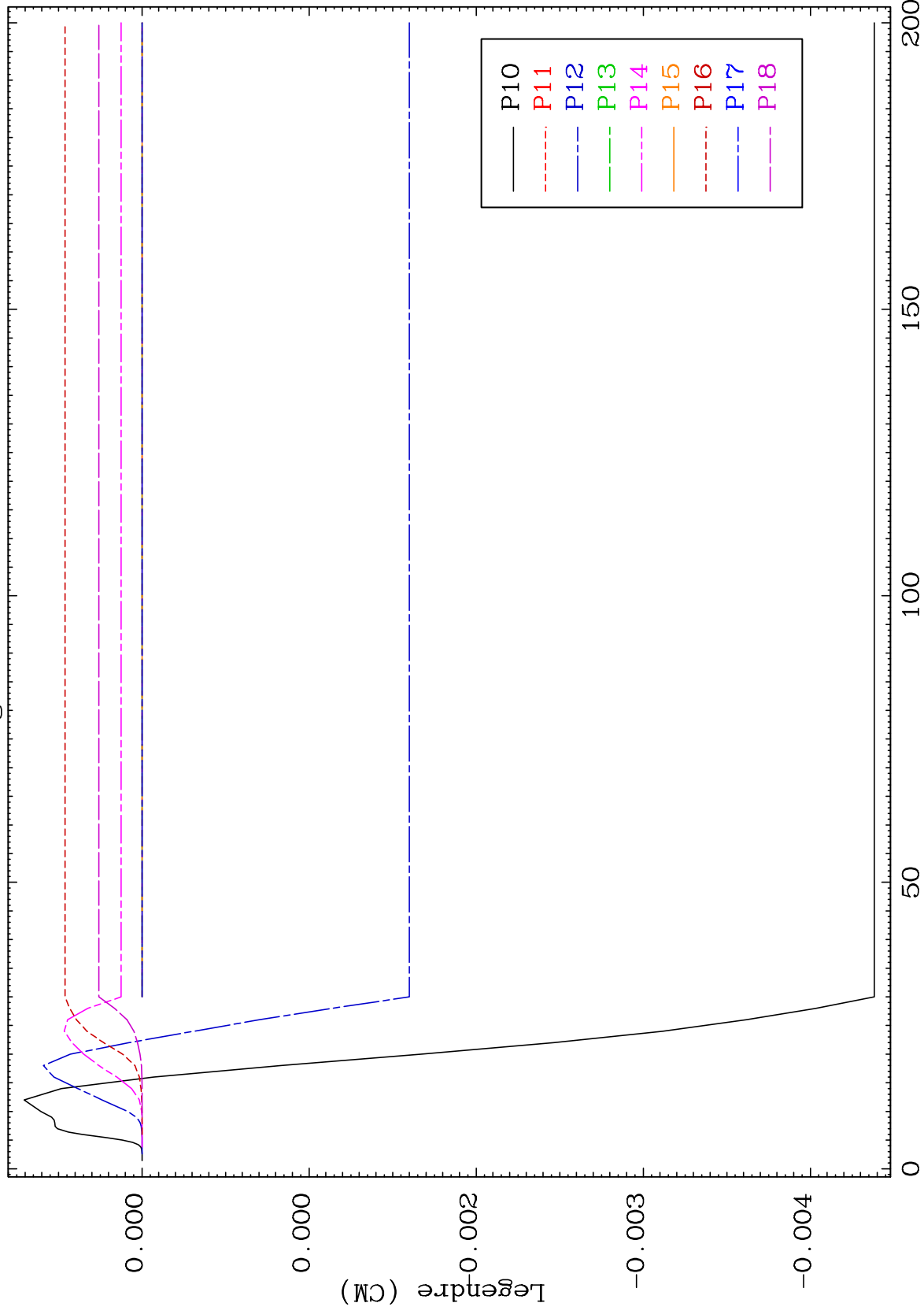




MAT 7219

1.181 MeV (n,n') Level
Legendre Coefficients

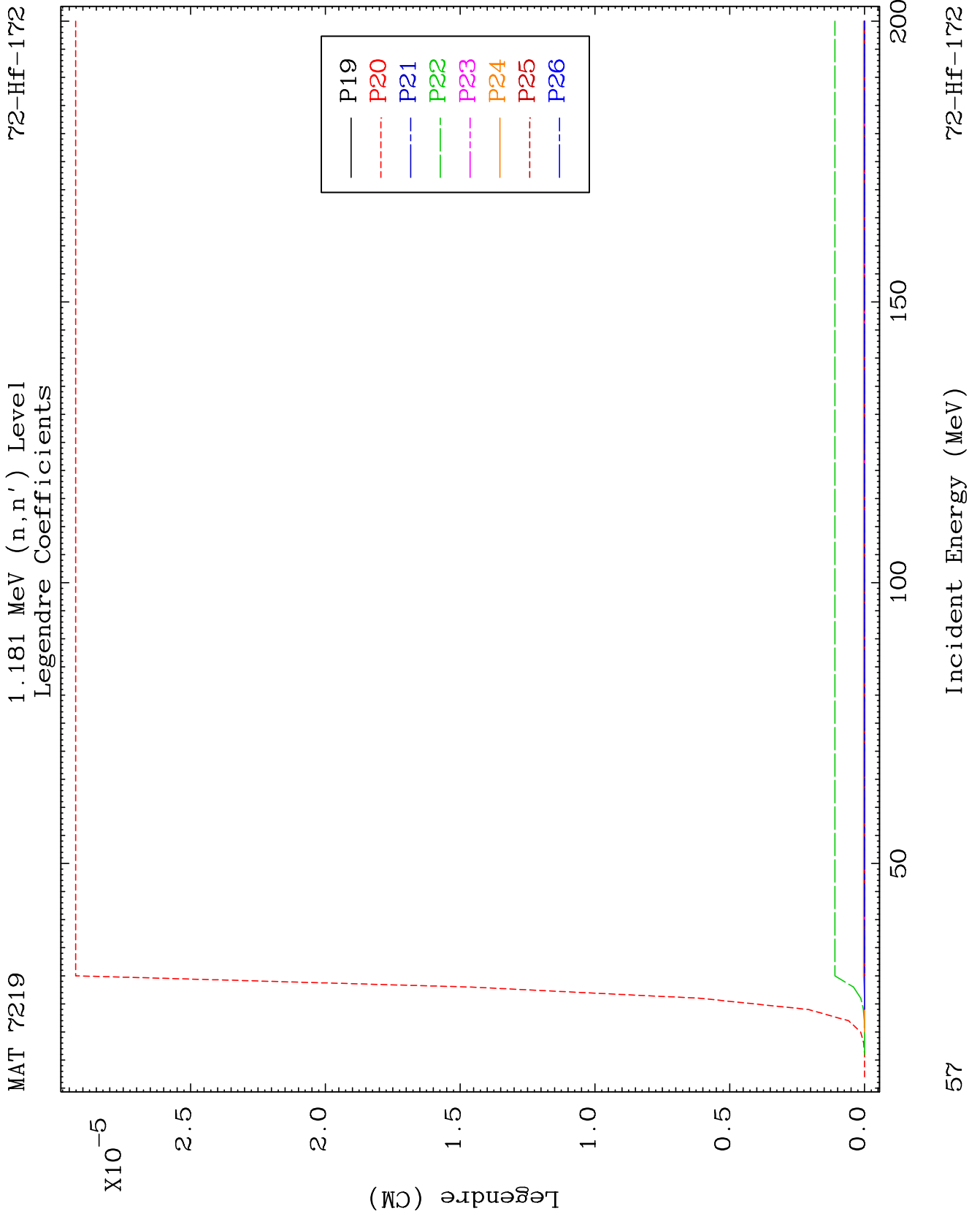
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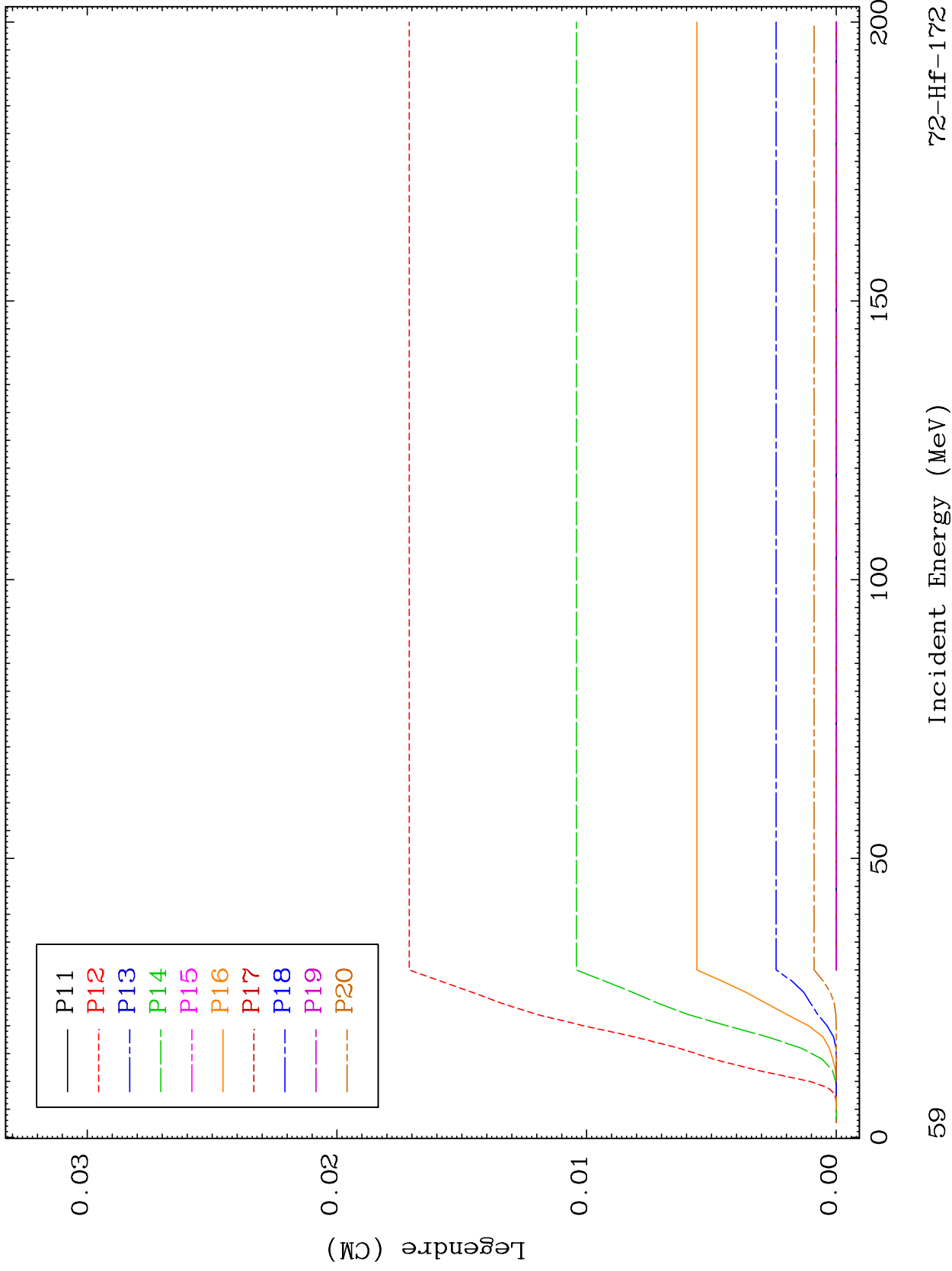


56

Incident Energy (MeV)

72-Hf-172

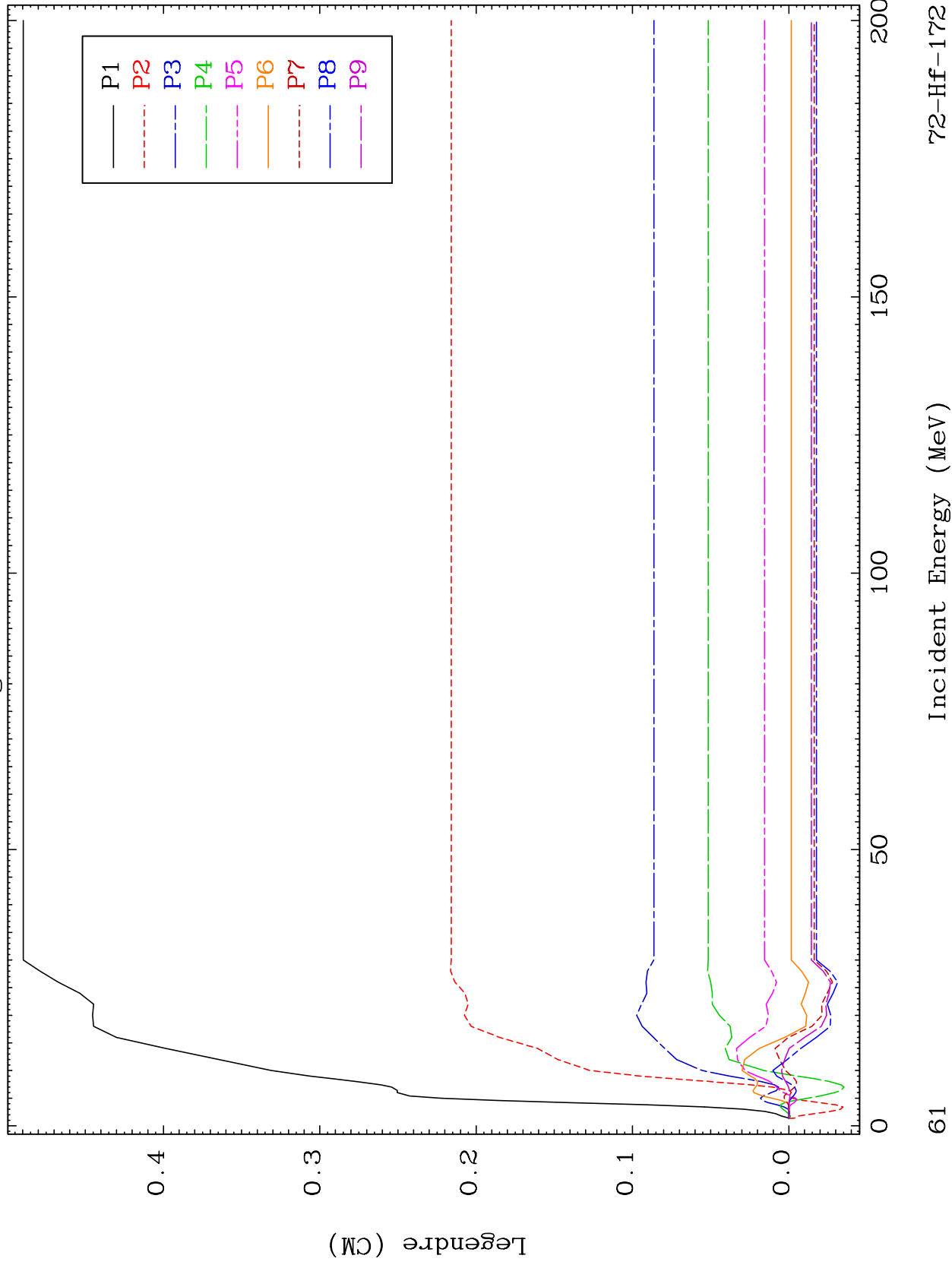




MAT 7219

1.305 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



61

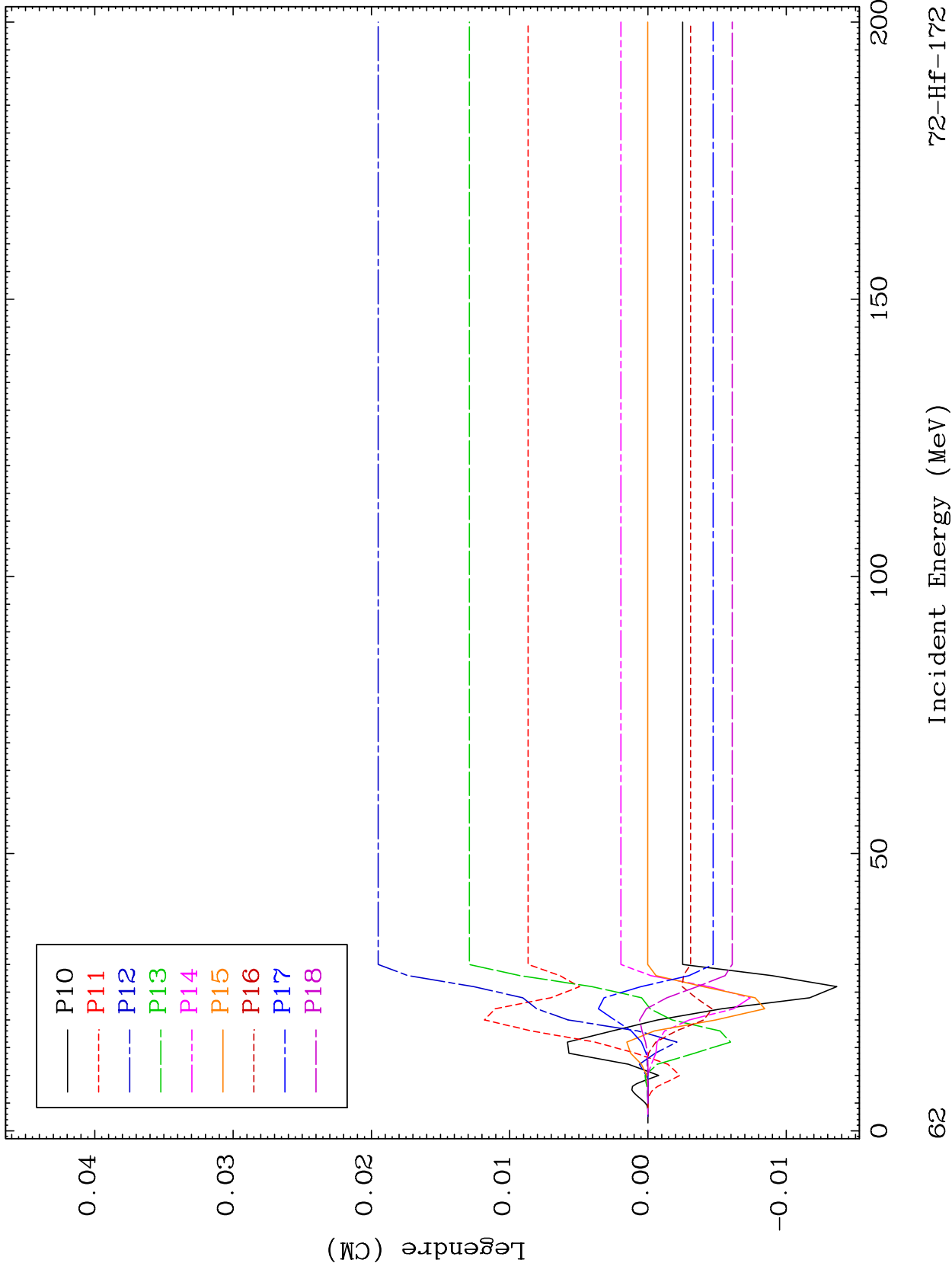
Incident Energy (MeV)

72-Hf-172

MAT 7219

1.305 MeV (n, n') Level
Legendre Coefficients

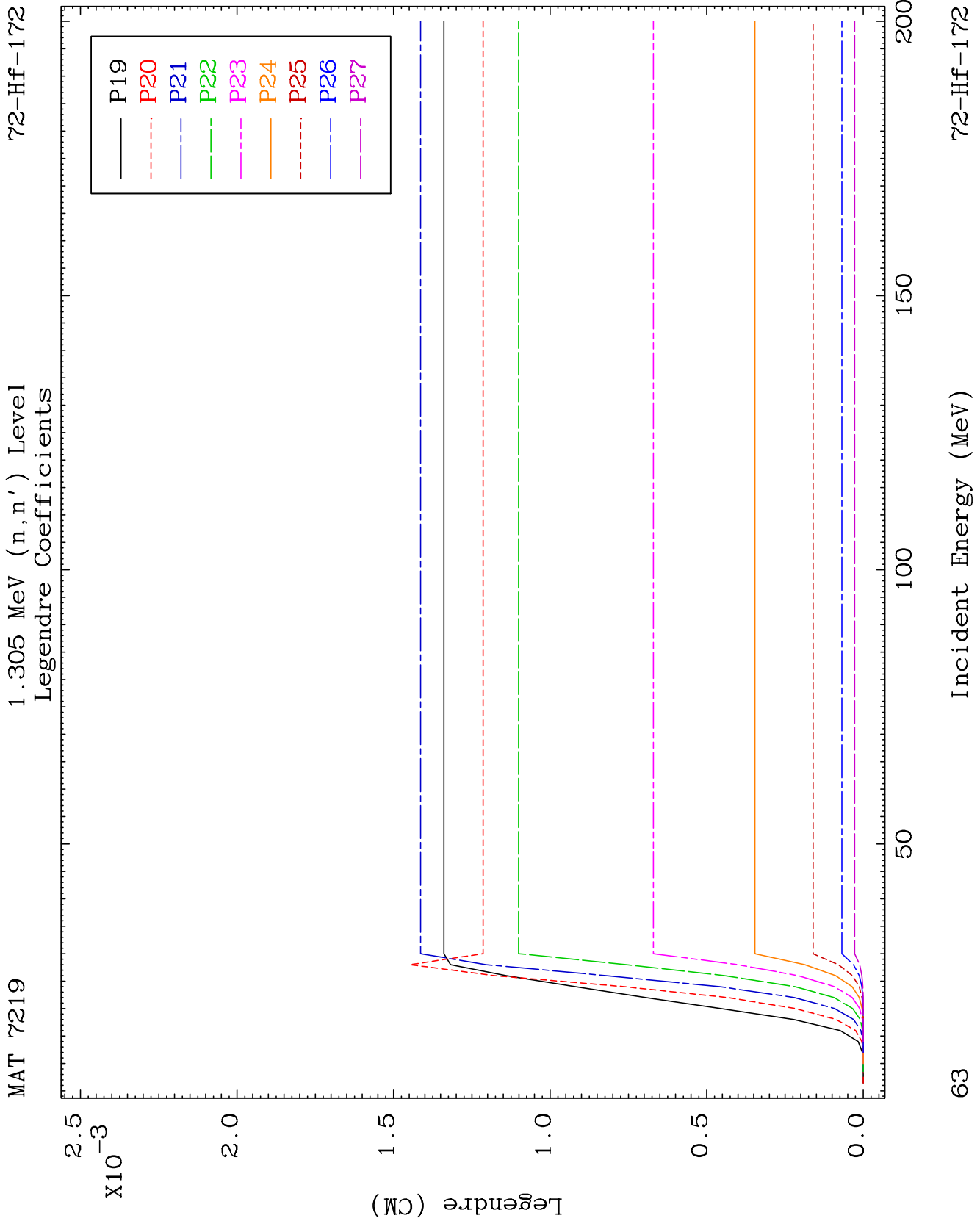
72-Hf-172



72-Hf-172

Incident Energy (MeV)

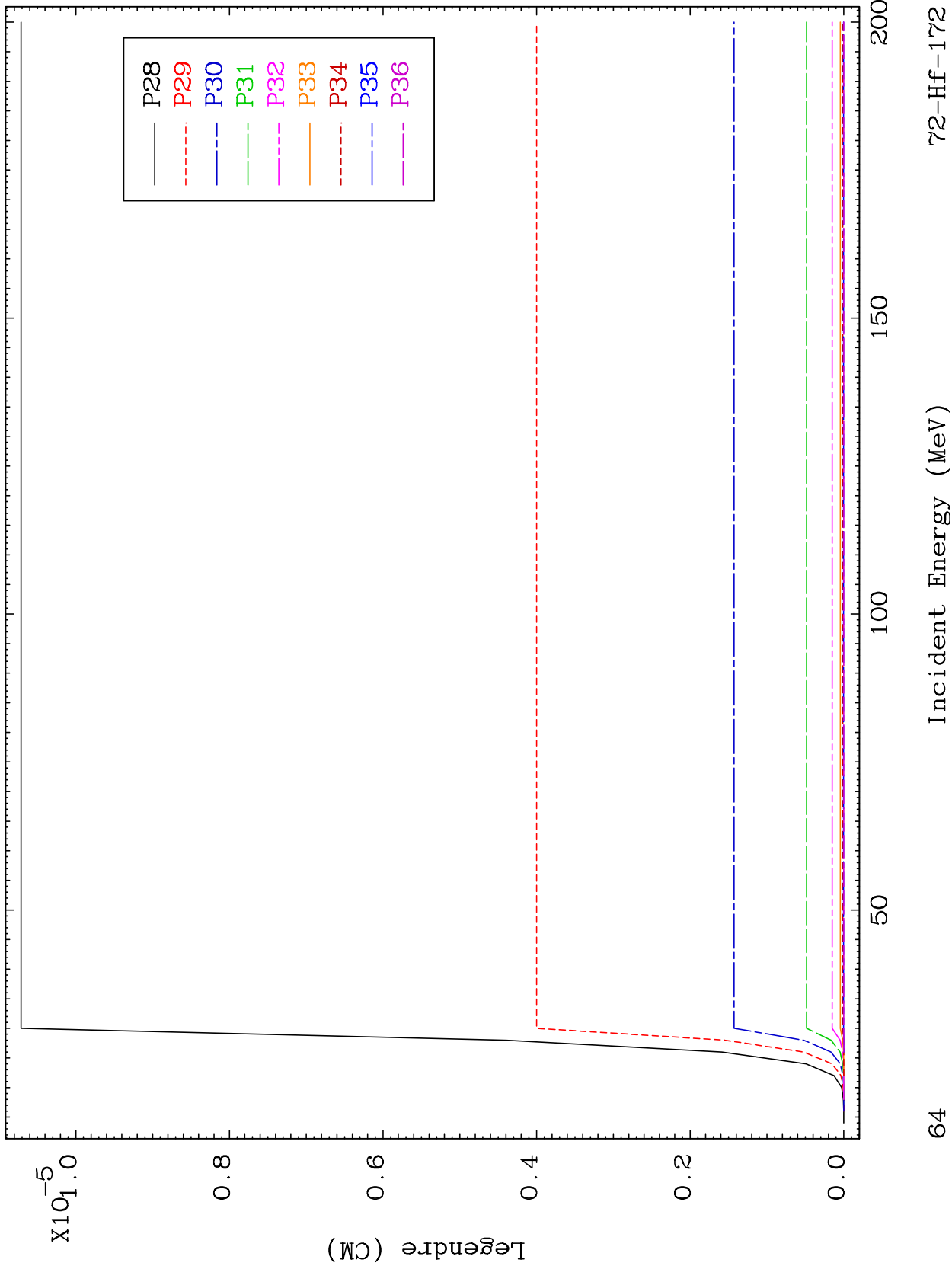
62



MAT 7219

1.305 MeV (n,n') Level
Legendre Coefficients

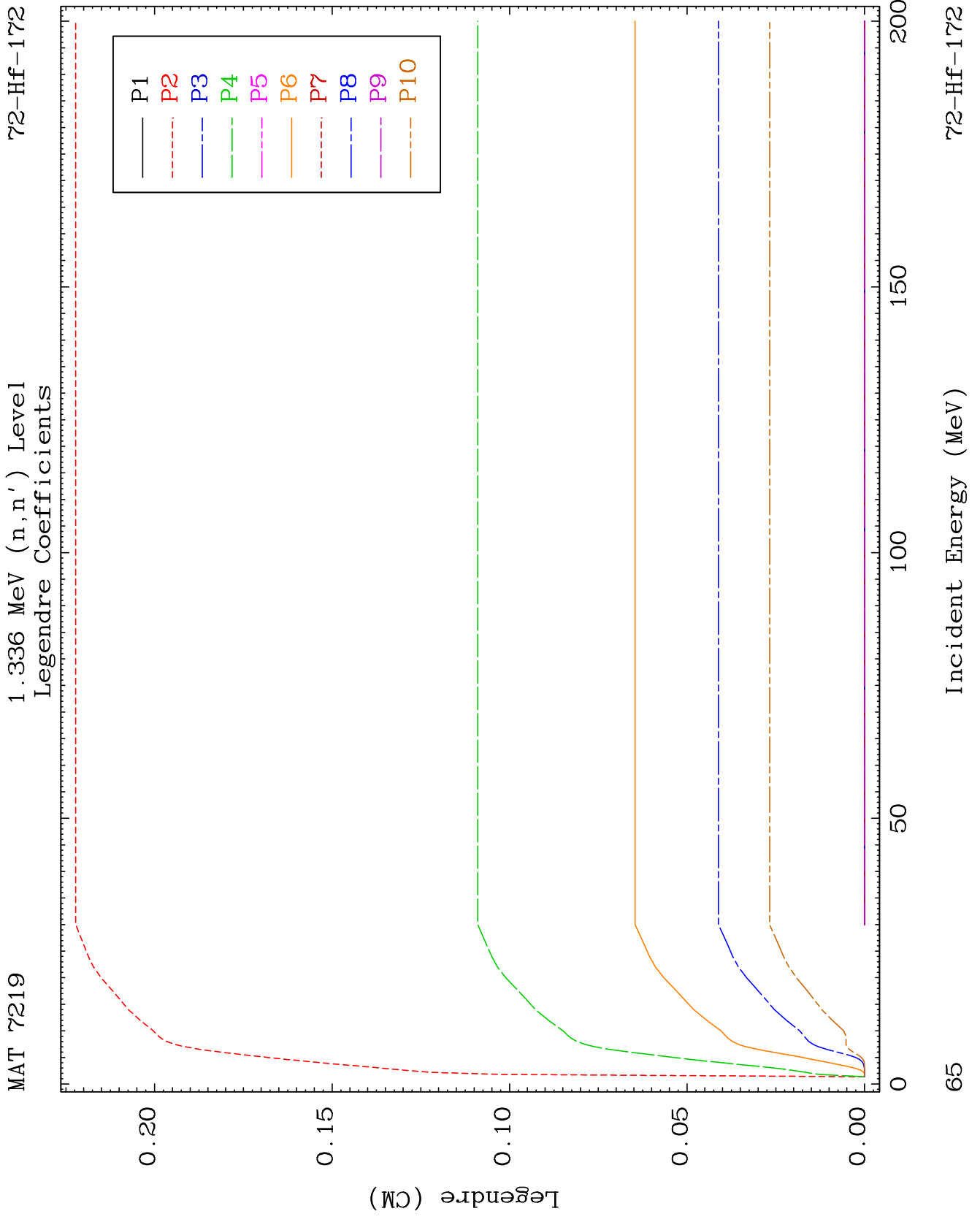
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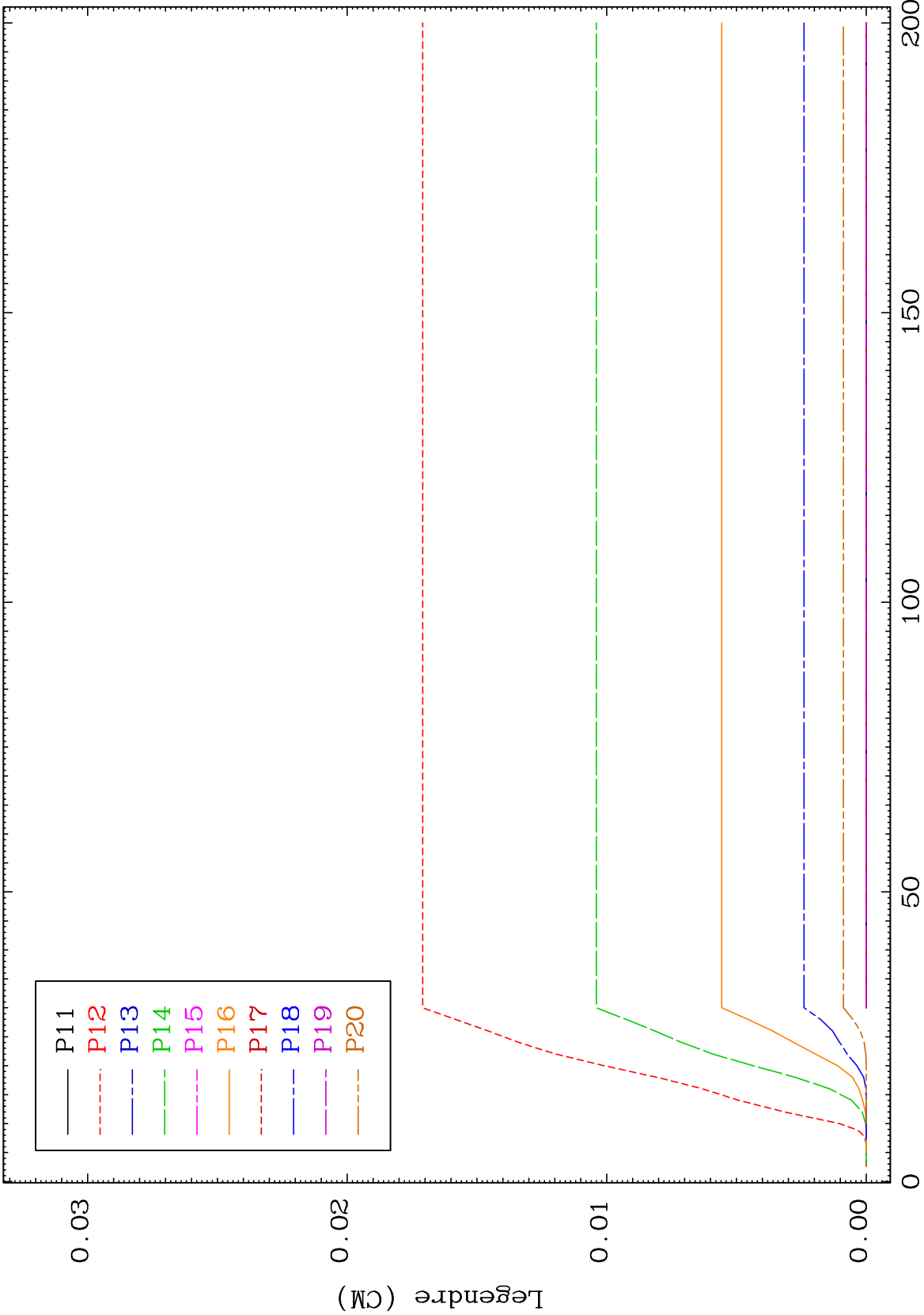


64

Incident Energy (MeV)

72-Hf-172

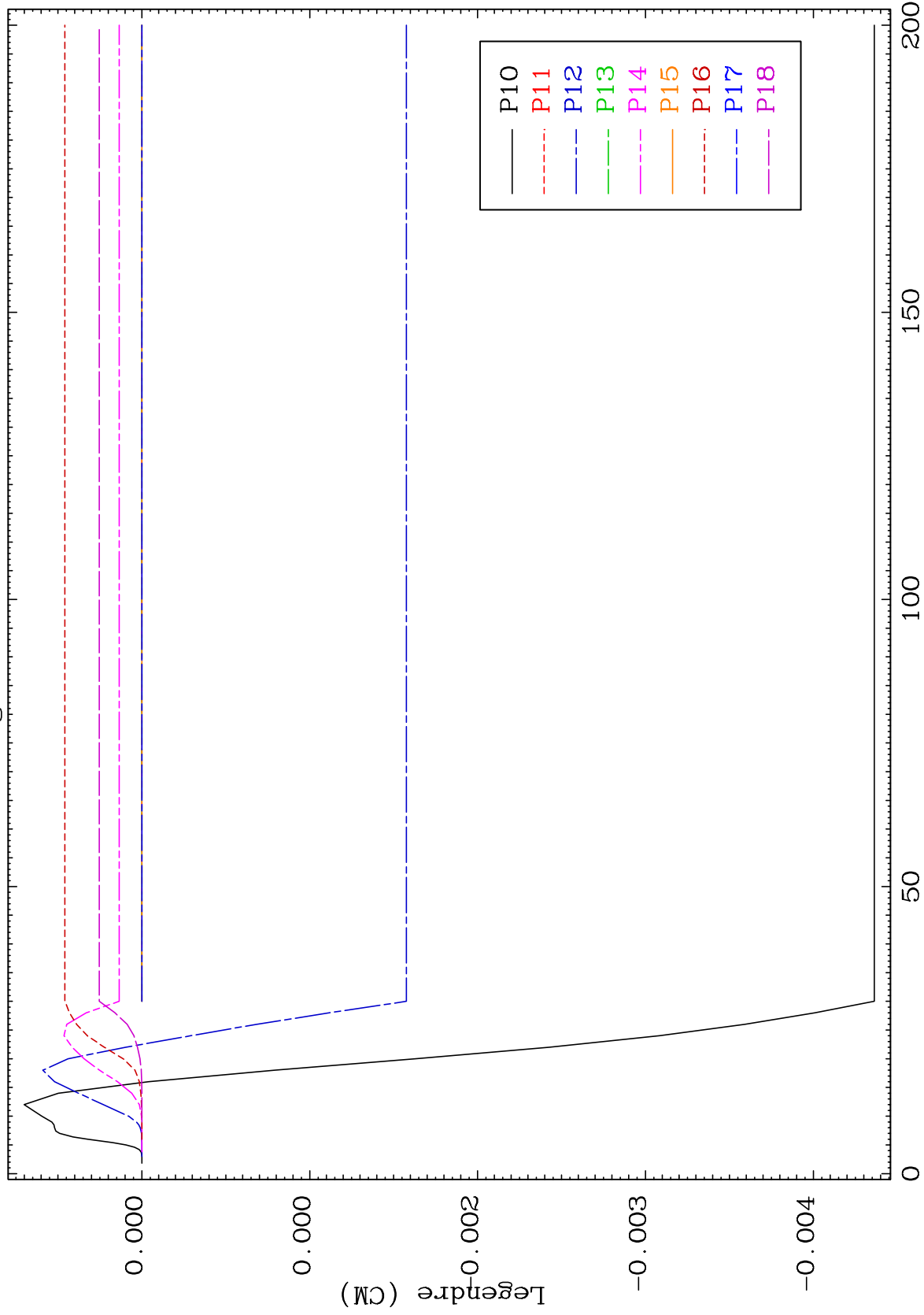




MAT 7219

1.359 MeV (n,n') Level
Legendre Coefficients

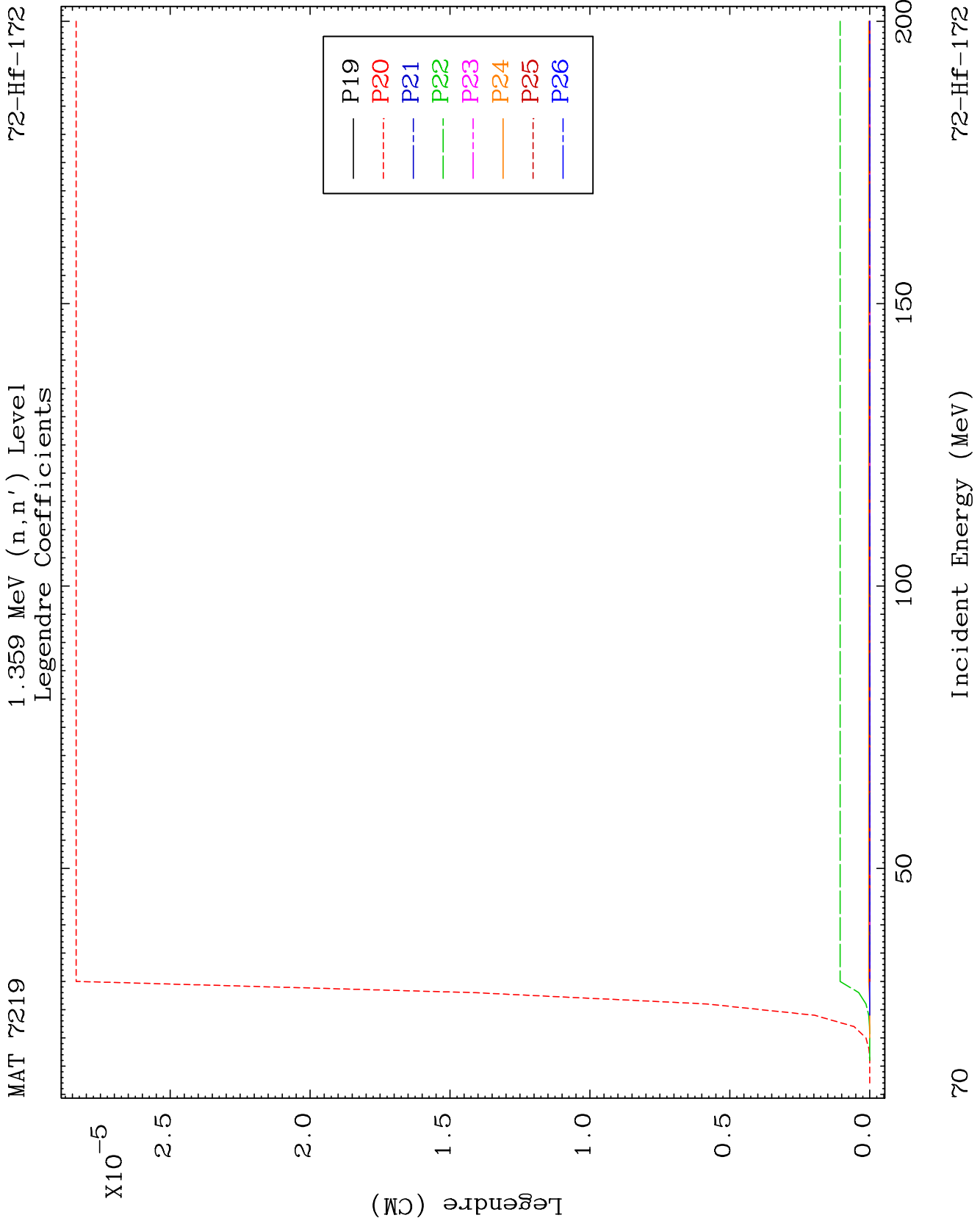
72-Hf-172



69

Incident Energy (MeV)

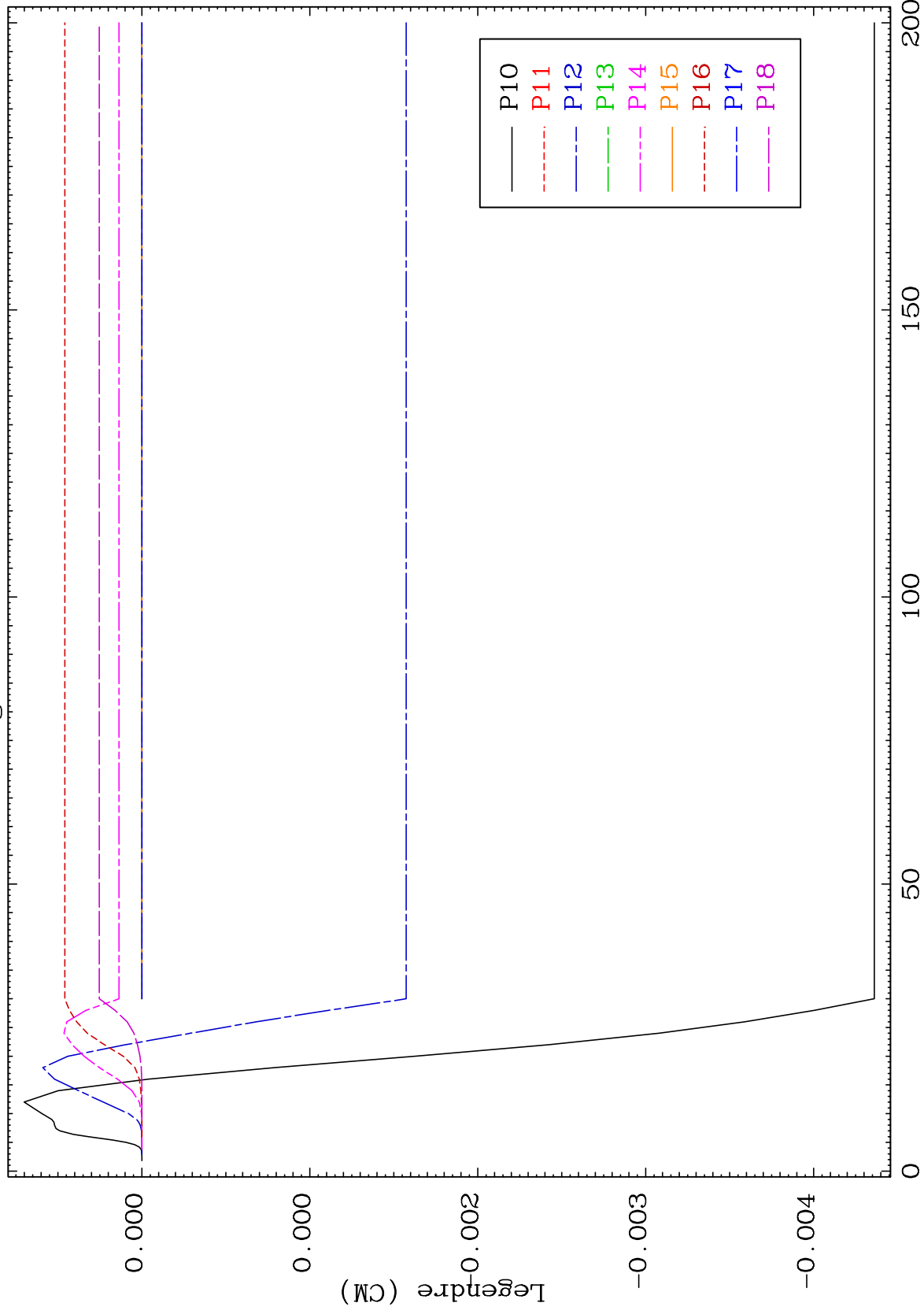
72-Hf-172



MAT 7219

1.373 MeV (n,n') Level
Legendre Coefficients

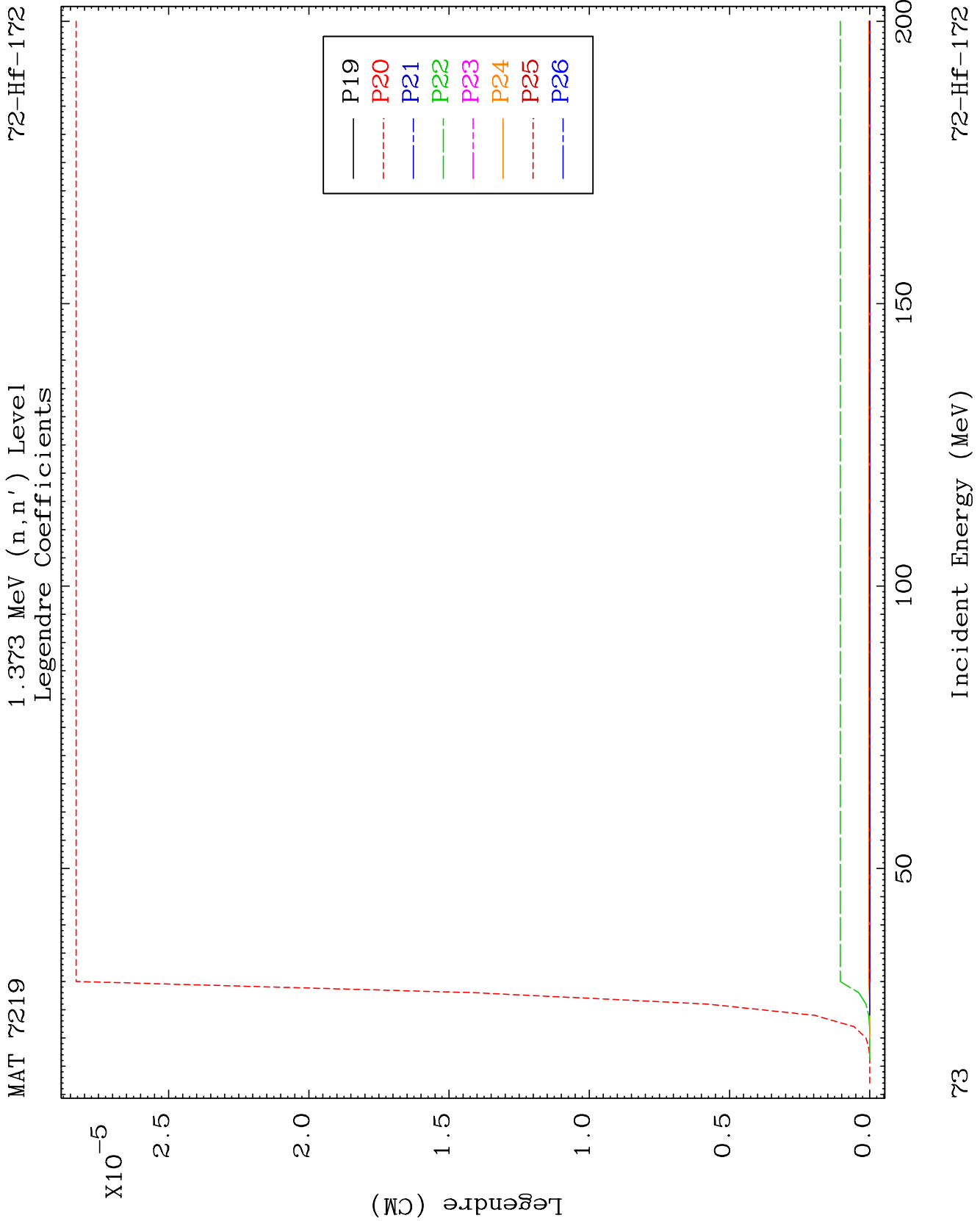
72-Hf-172



72

Incident Energy (MeV)

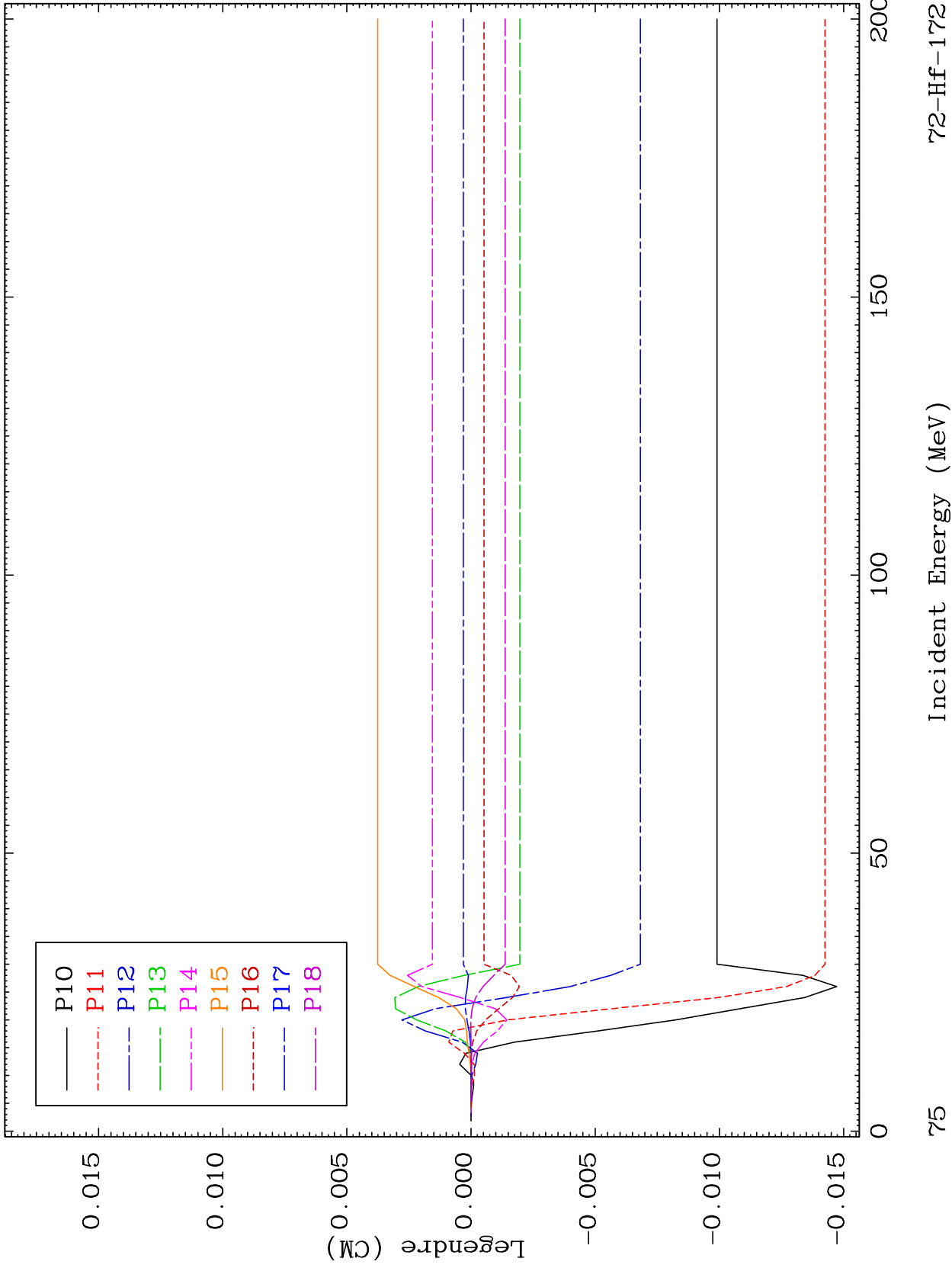
72-Hf-172



MAT 7219

1.394 MeV (n,n') Level
Legendre Coefficients

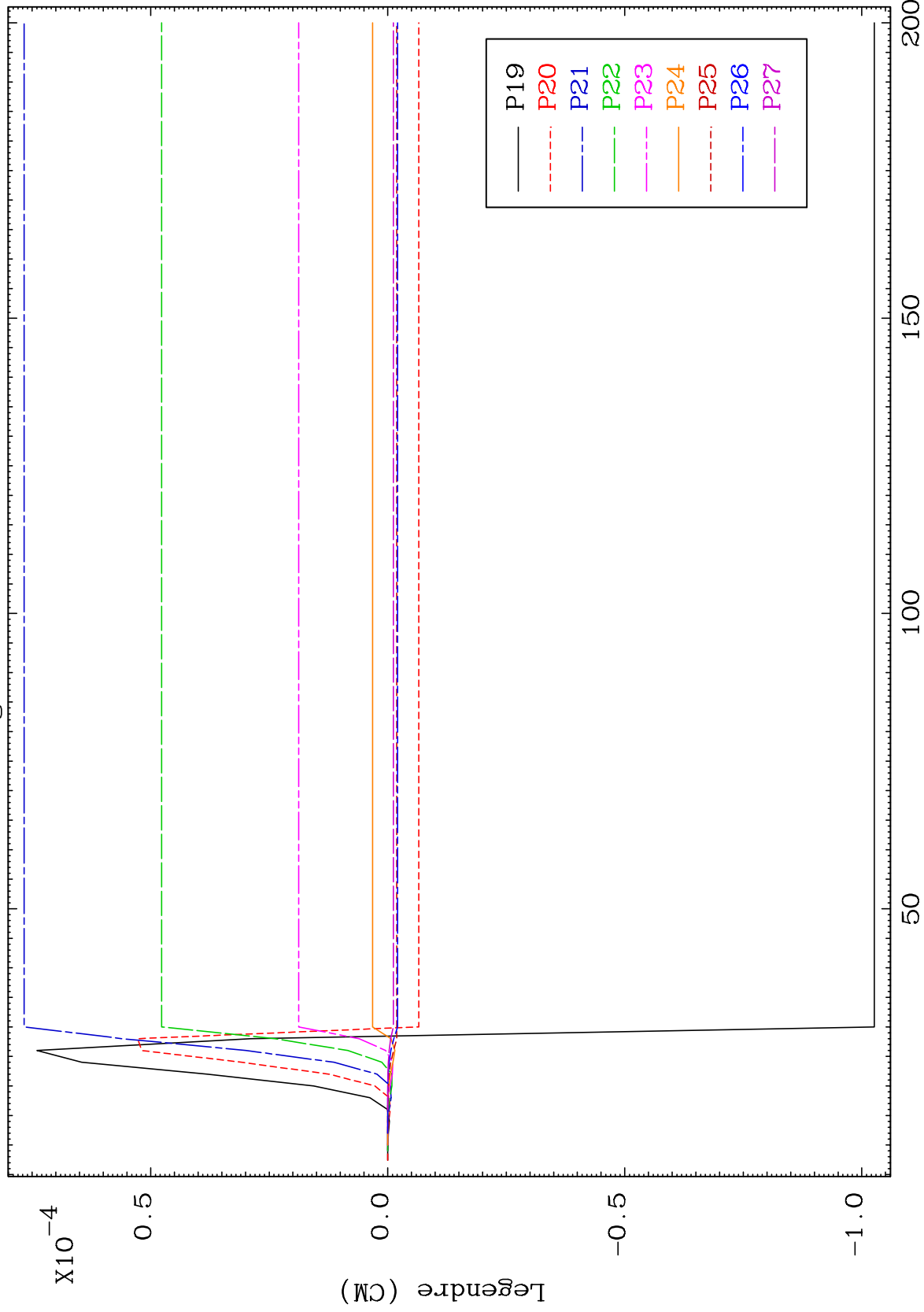
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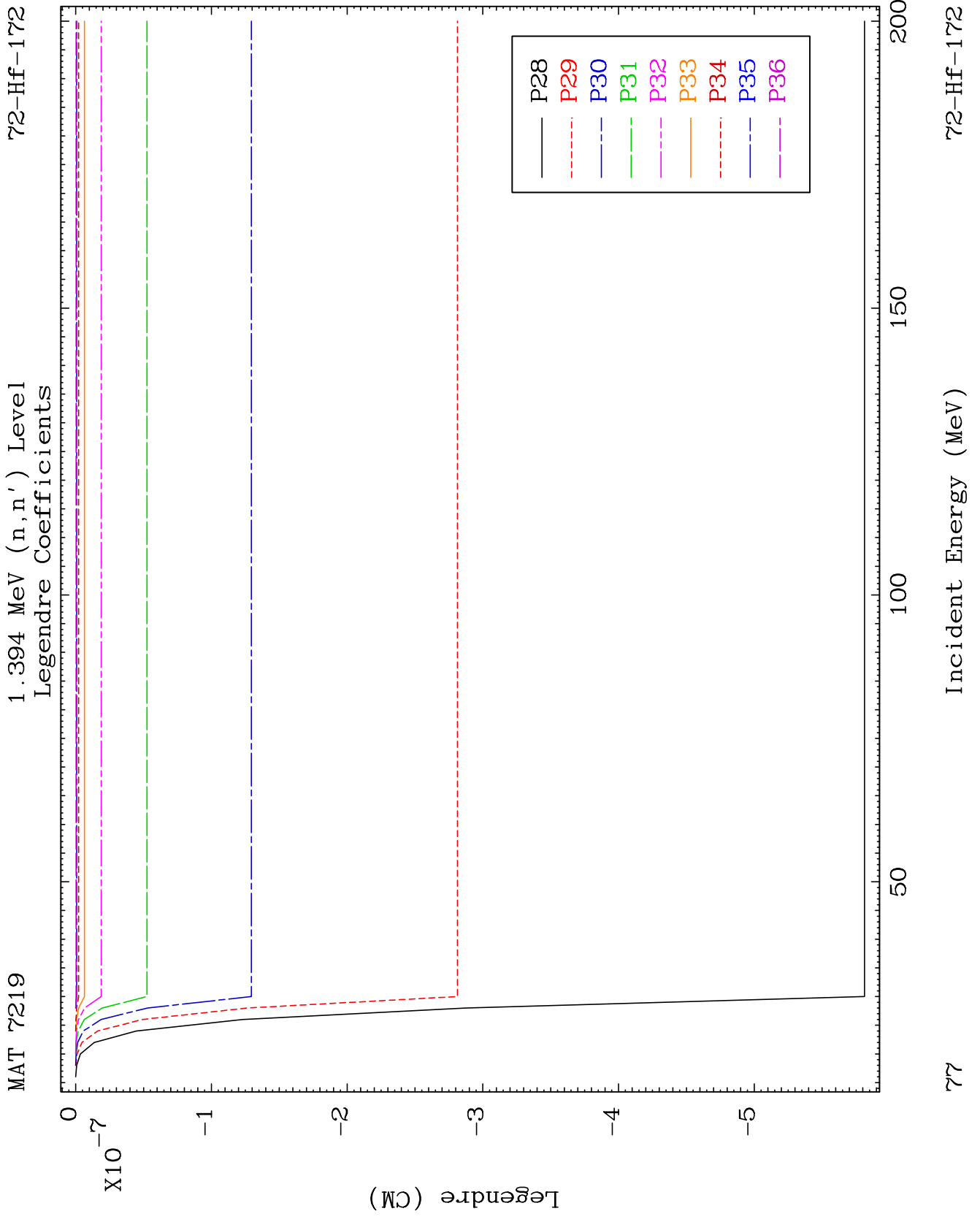


75

Incident Energy (MeV)

72-Hf-172

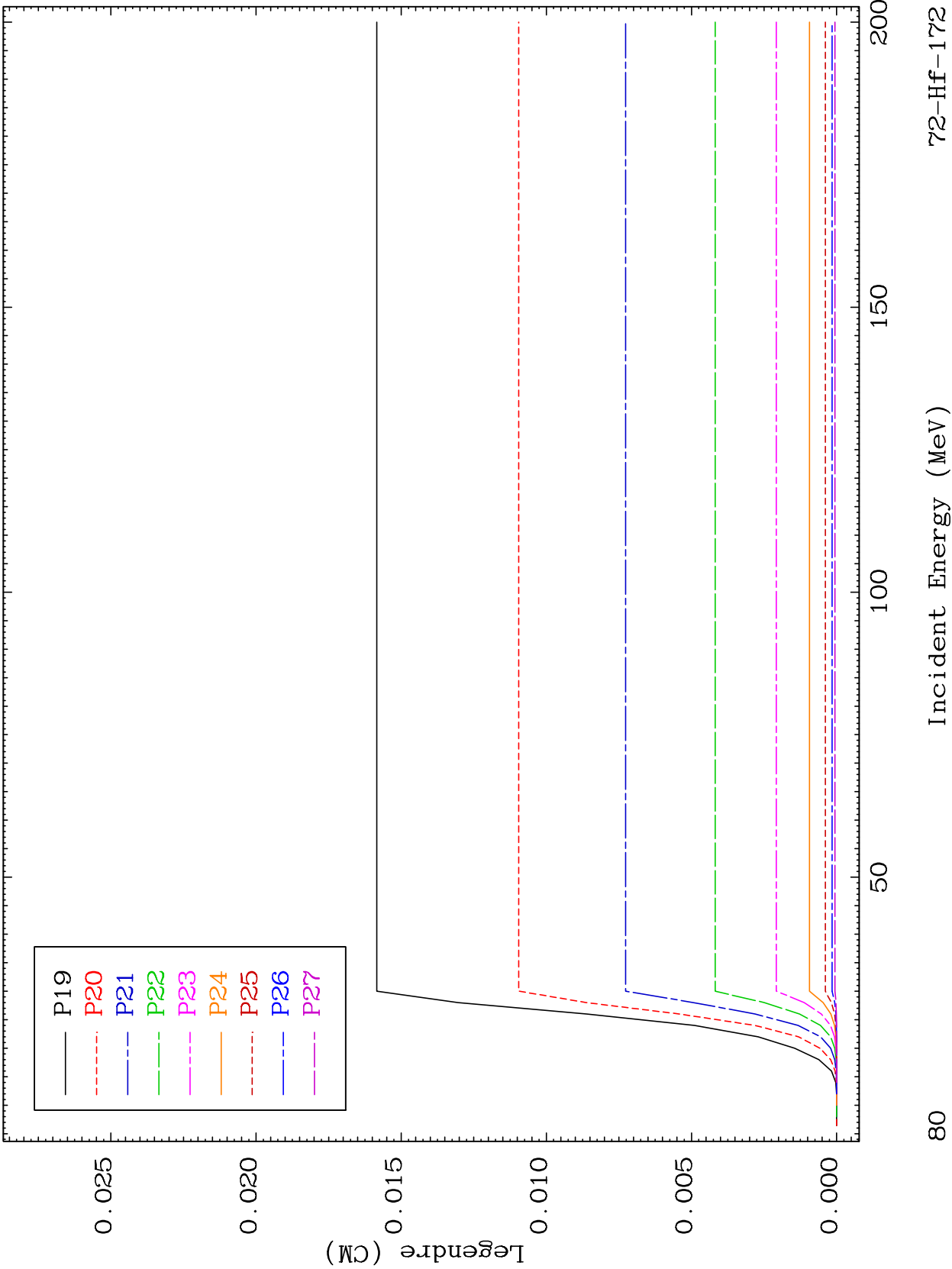




MAT 7219

1.397 MeV (n,n') Level Legendre Coefficients

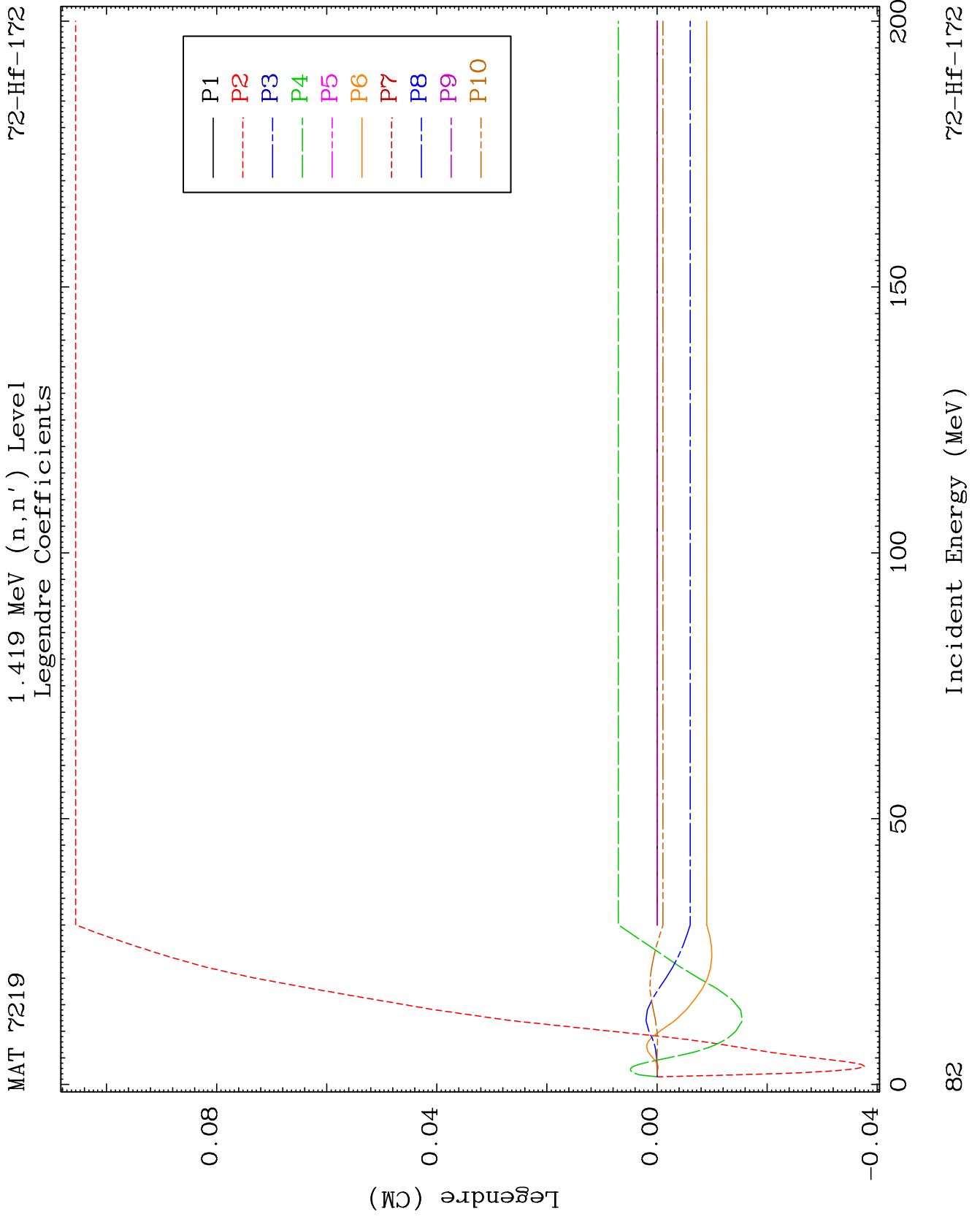
72-Hf-172

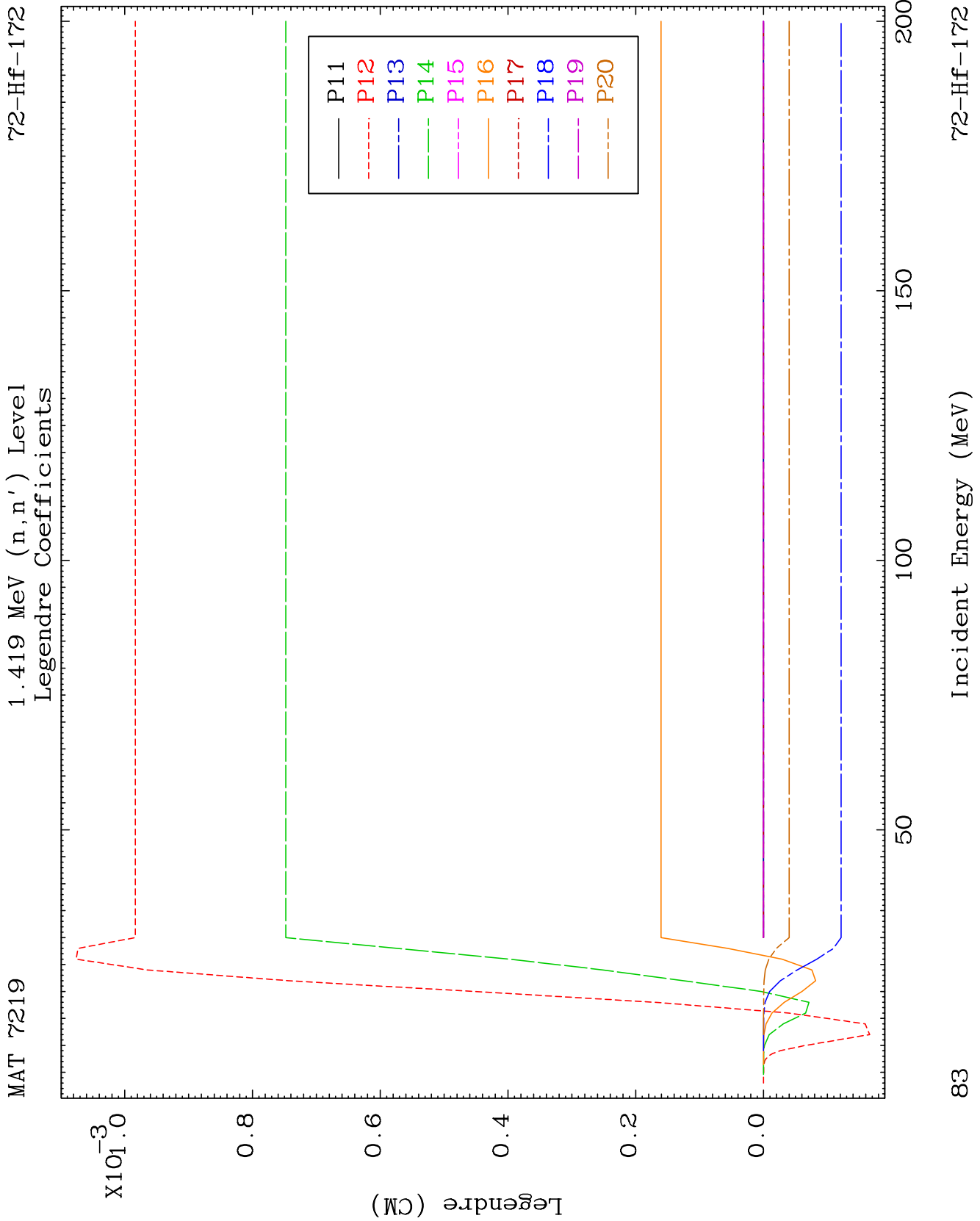


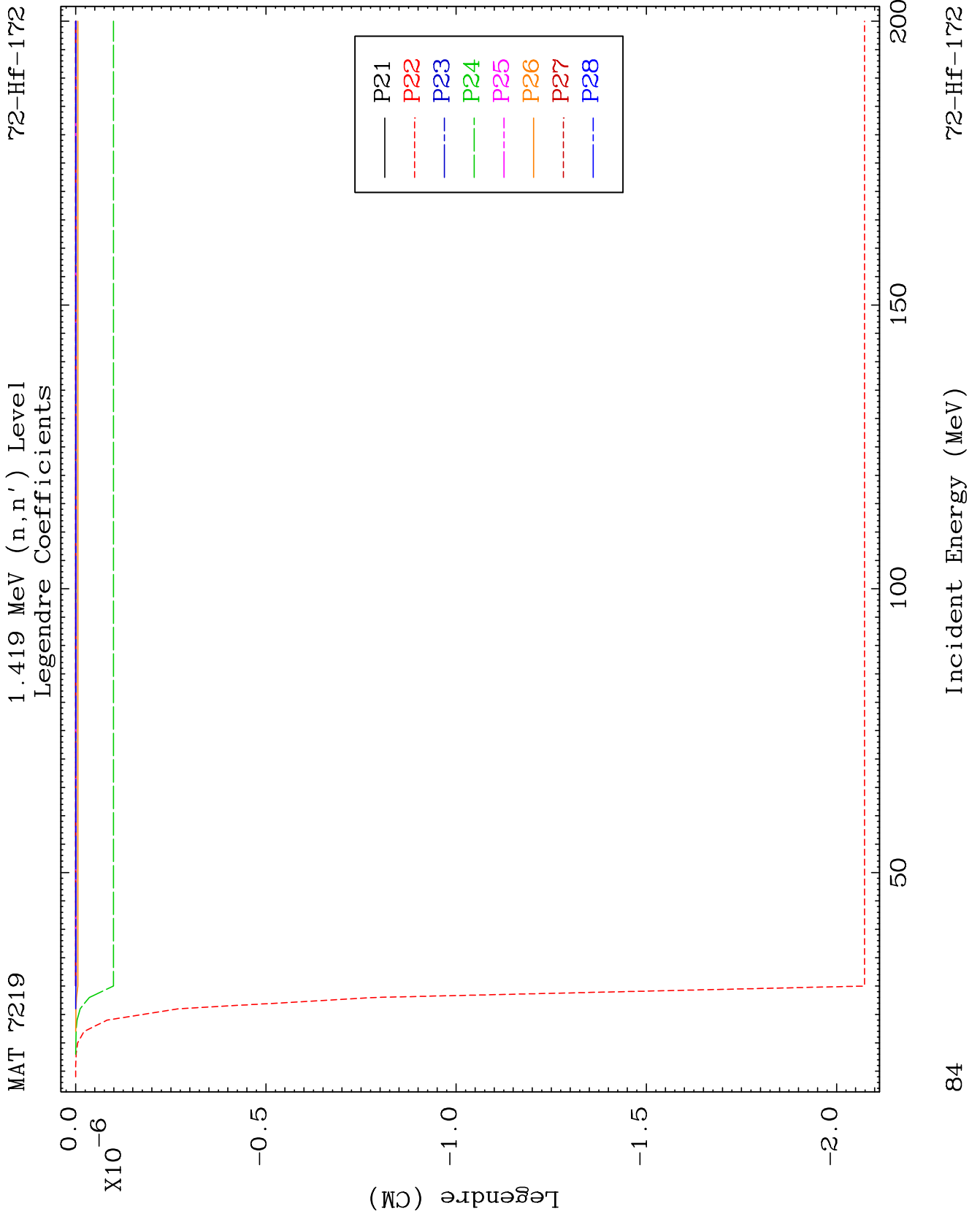
80

Incident Energy (MeV)

72-Hf-172



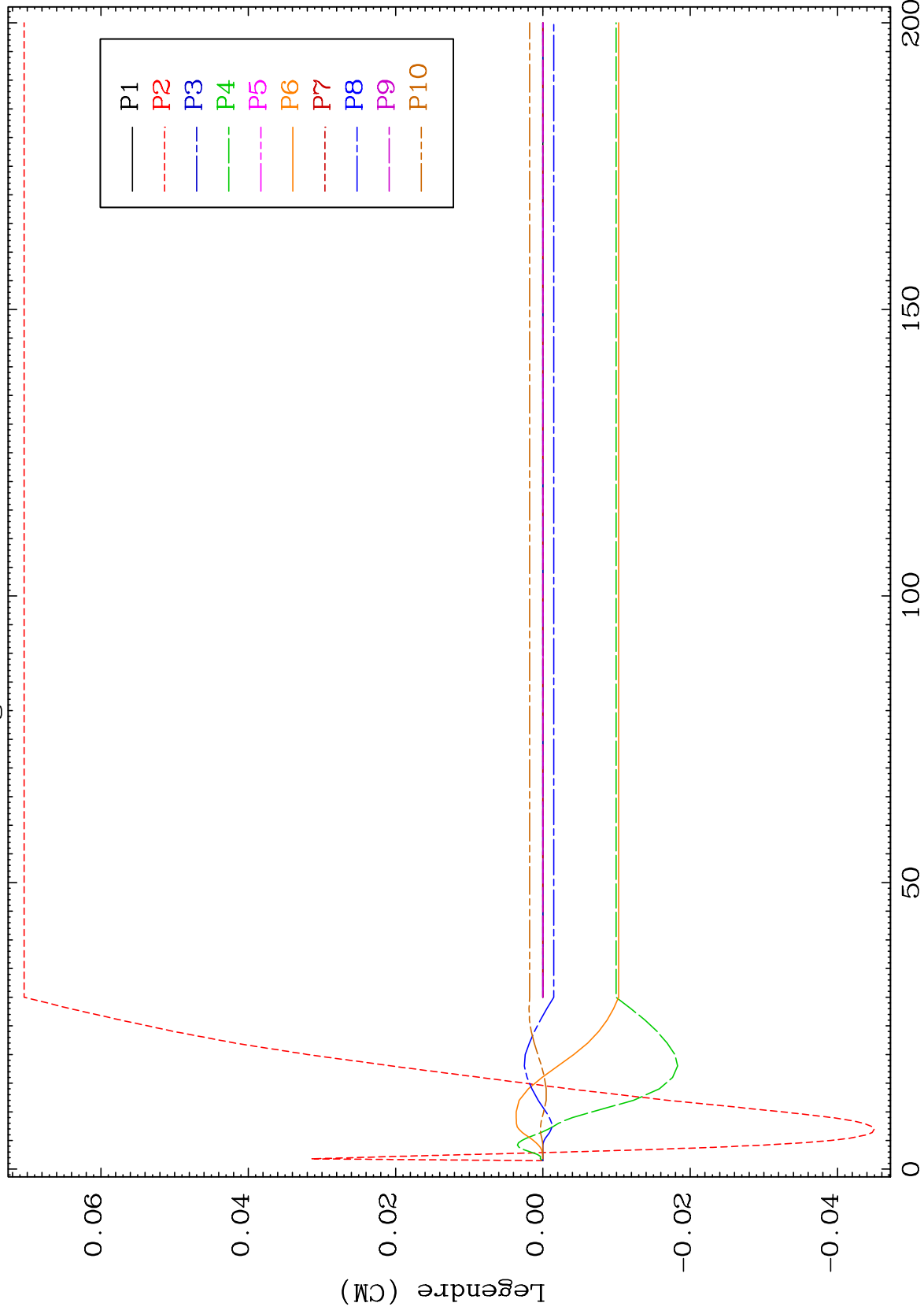




MAT 7219

1.463 MeV (n,n') Level
Legendre Coefficients

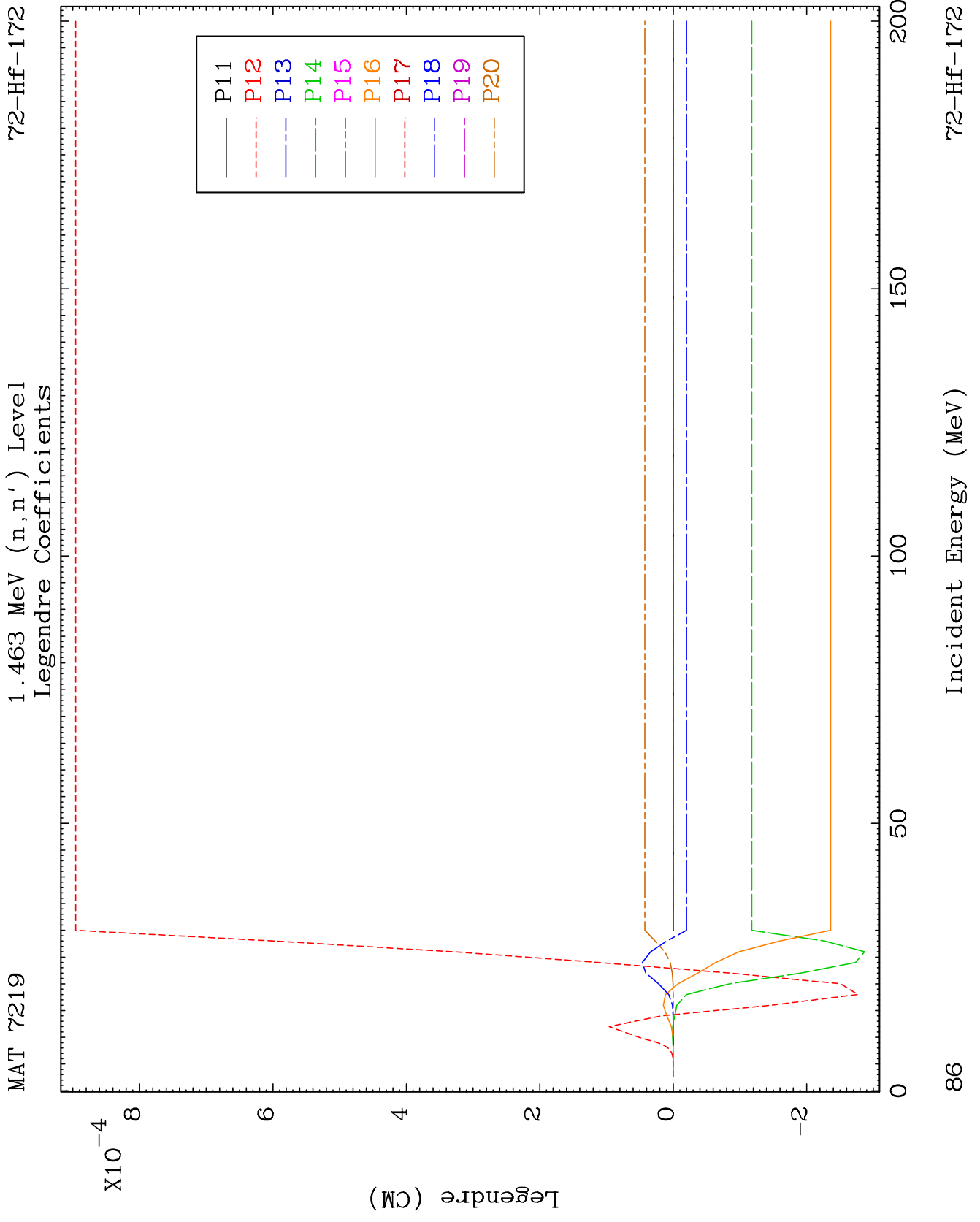
72-Hf-172

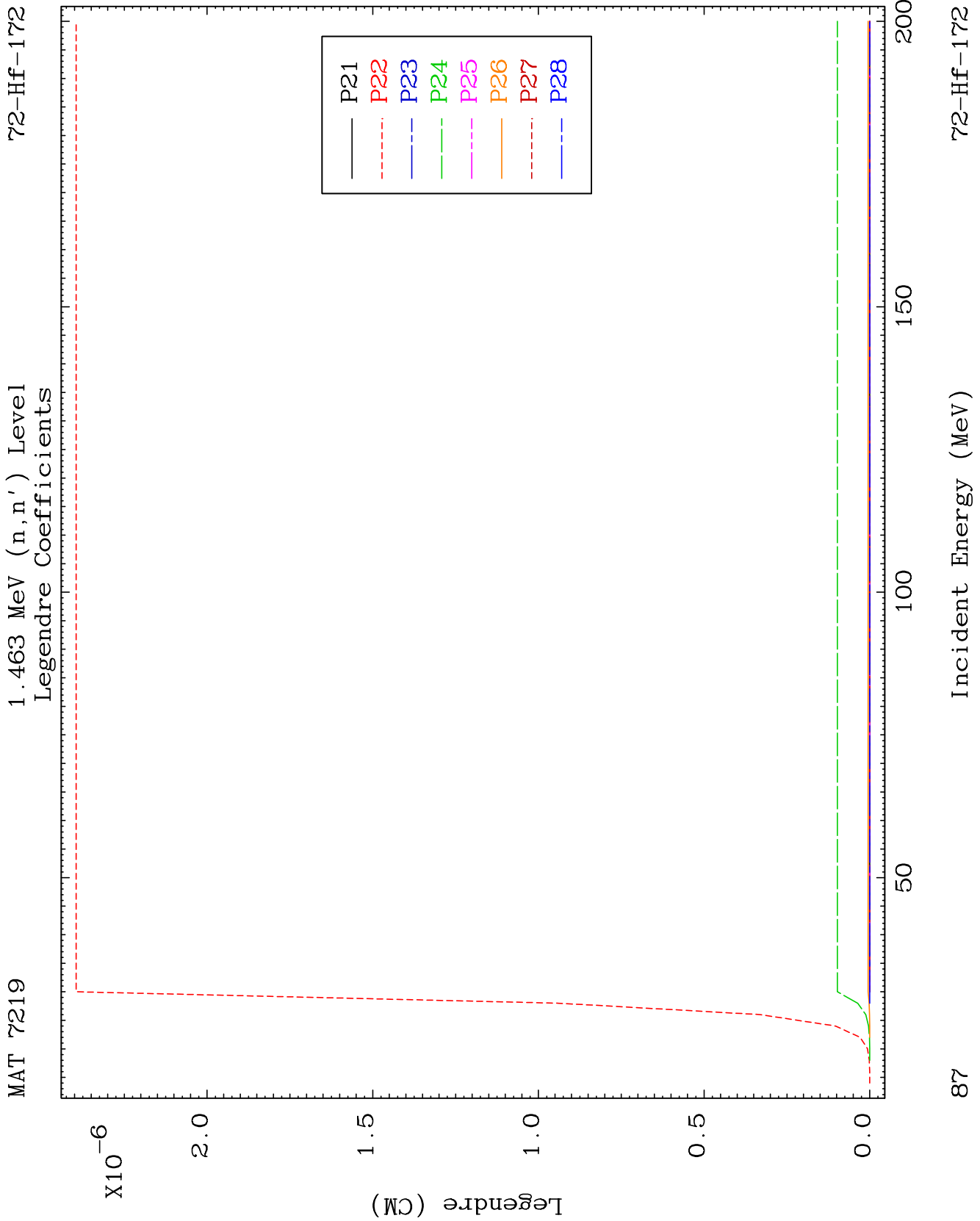


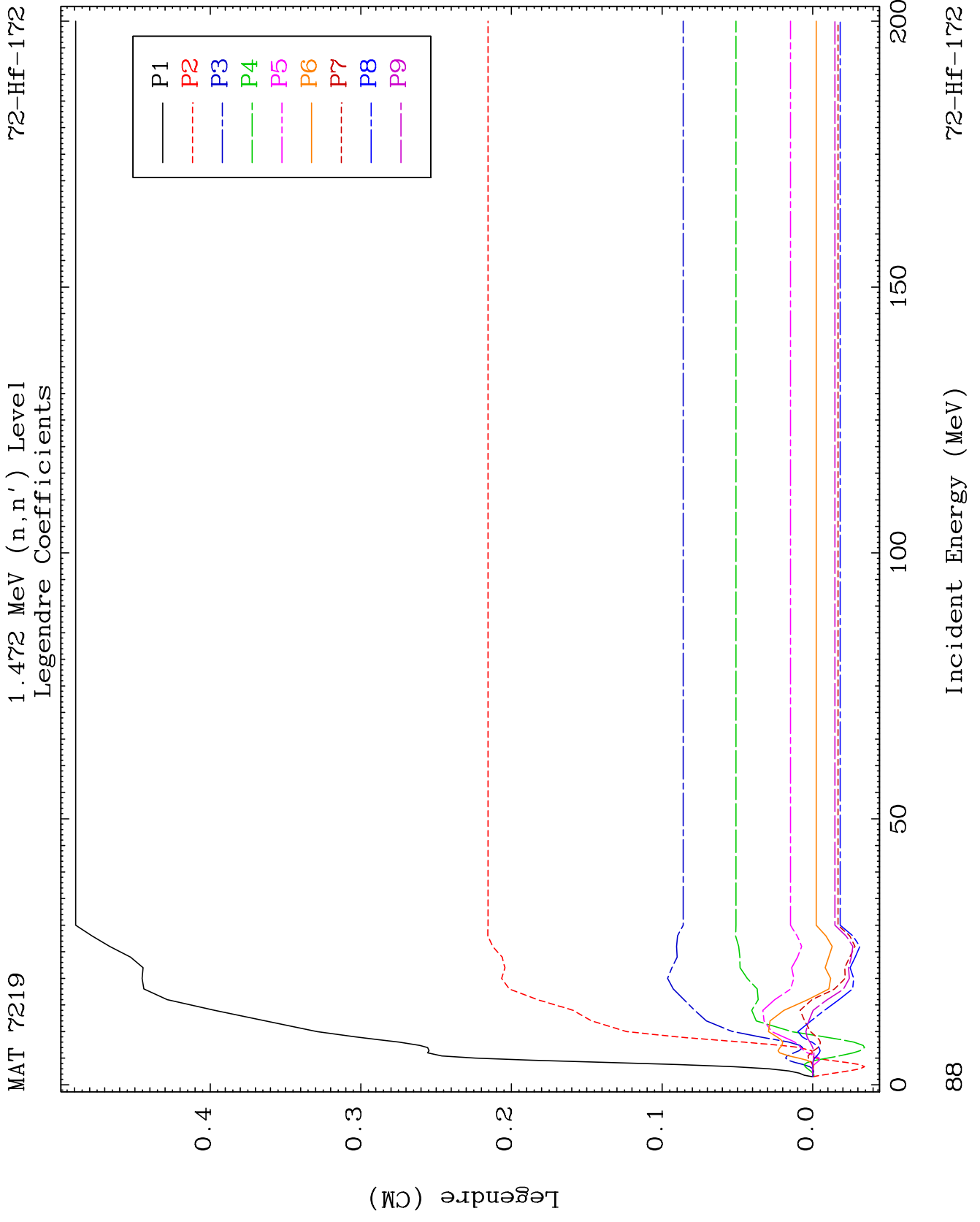
85

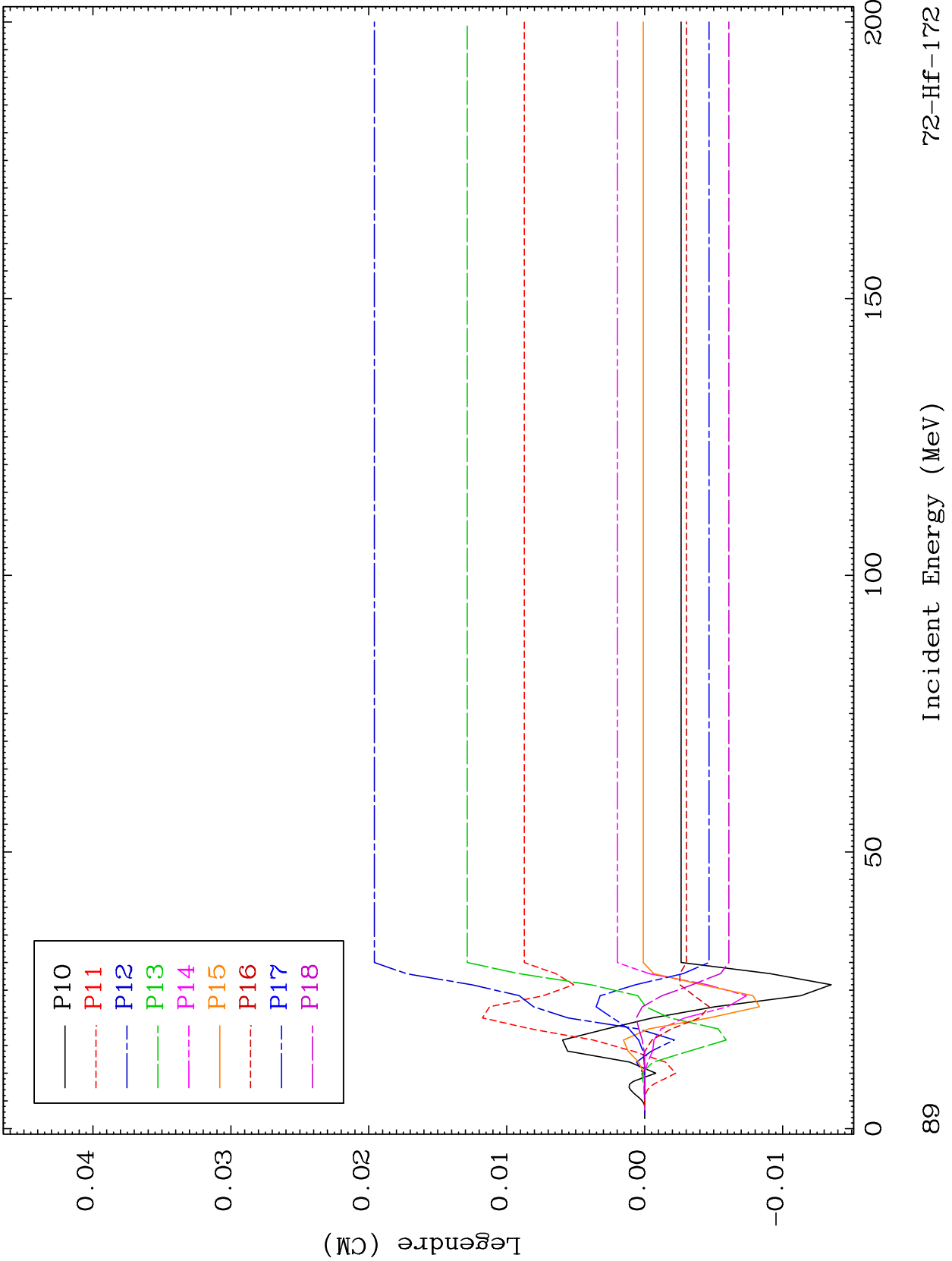
Incident Energy (MeV)

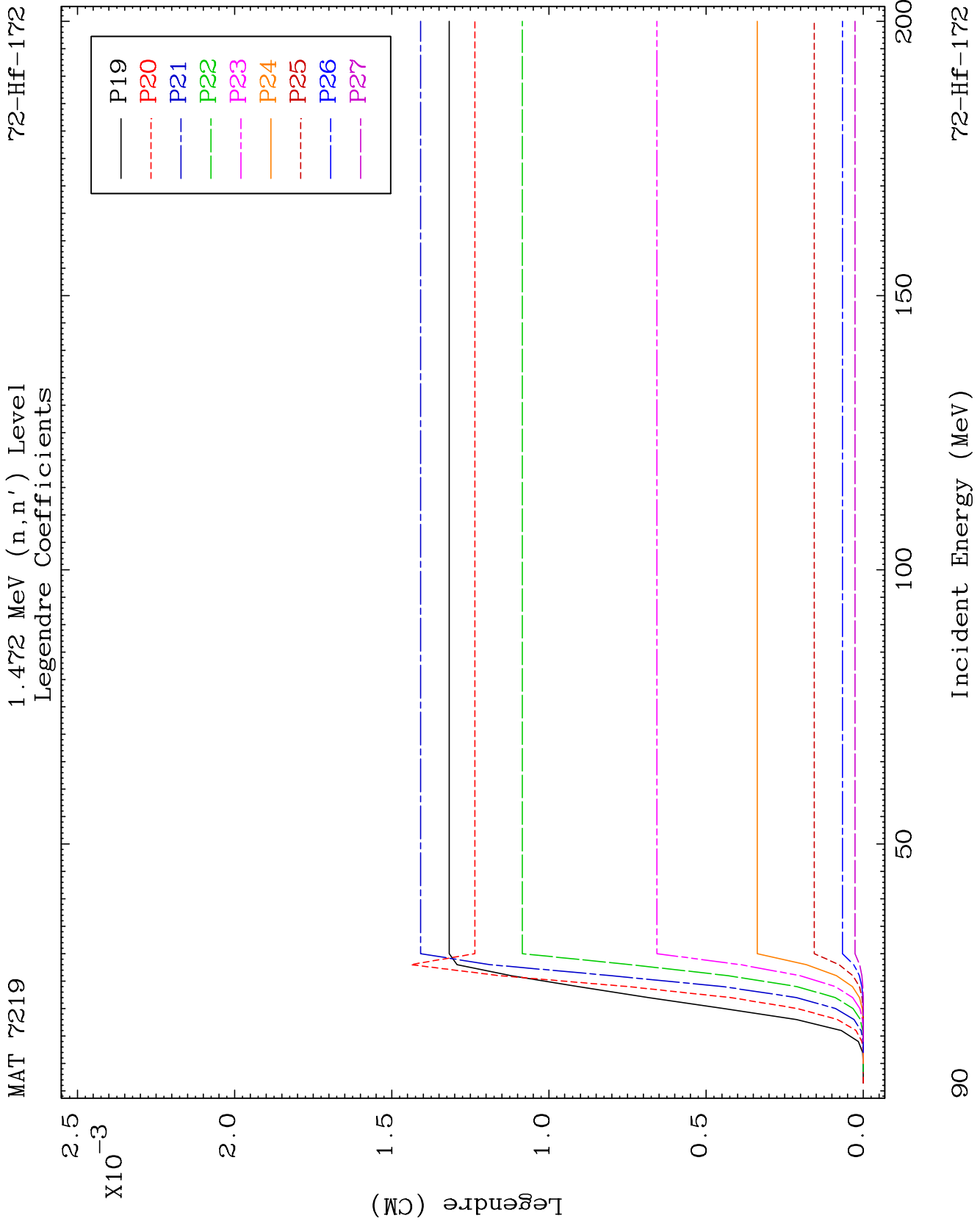
72-Hf-172







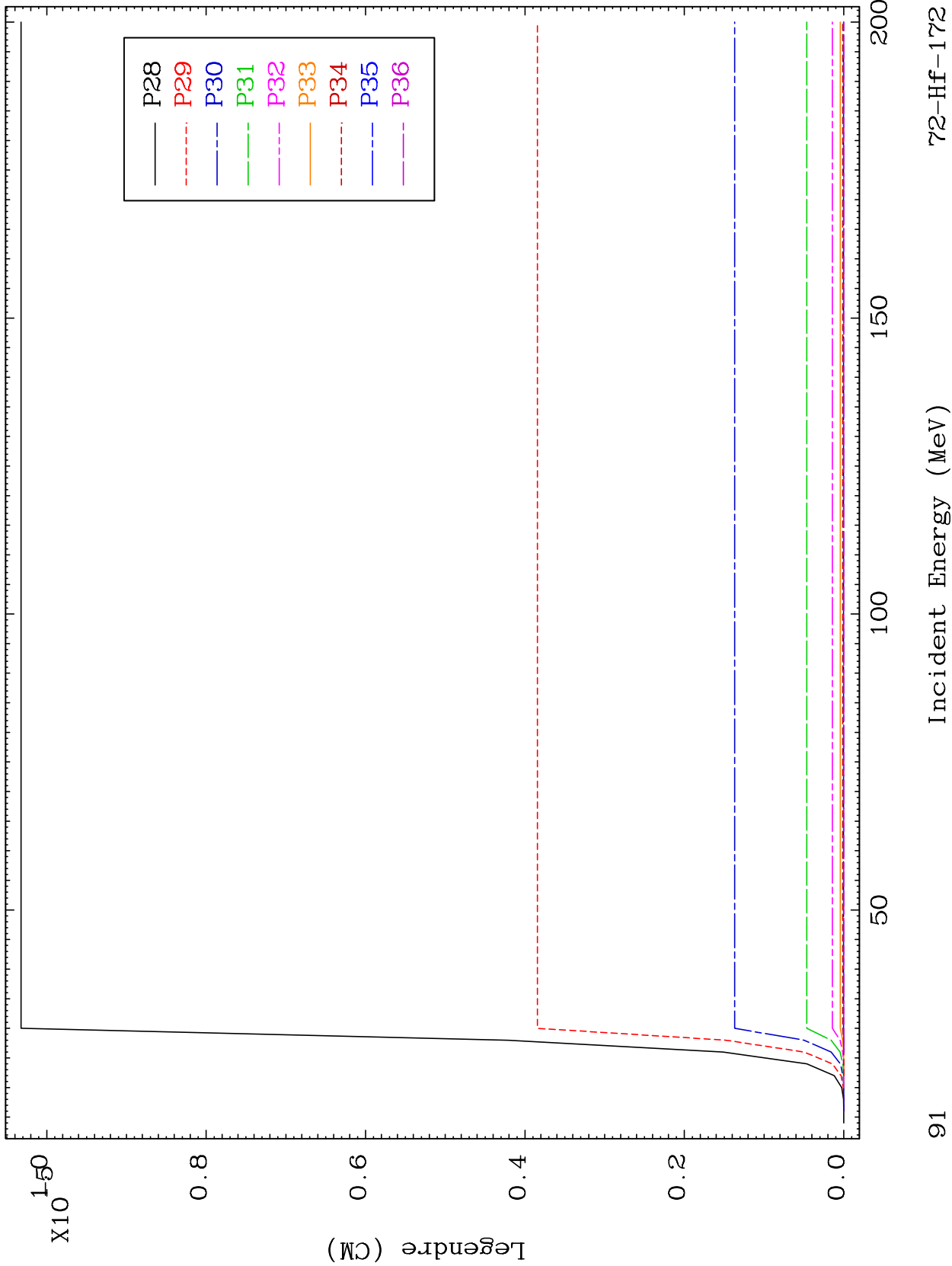




MAT 7219

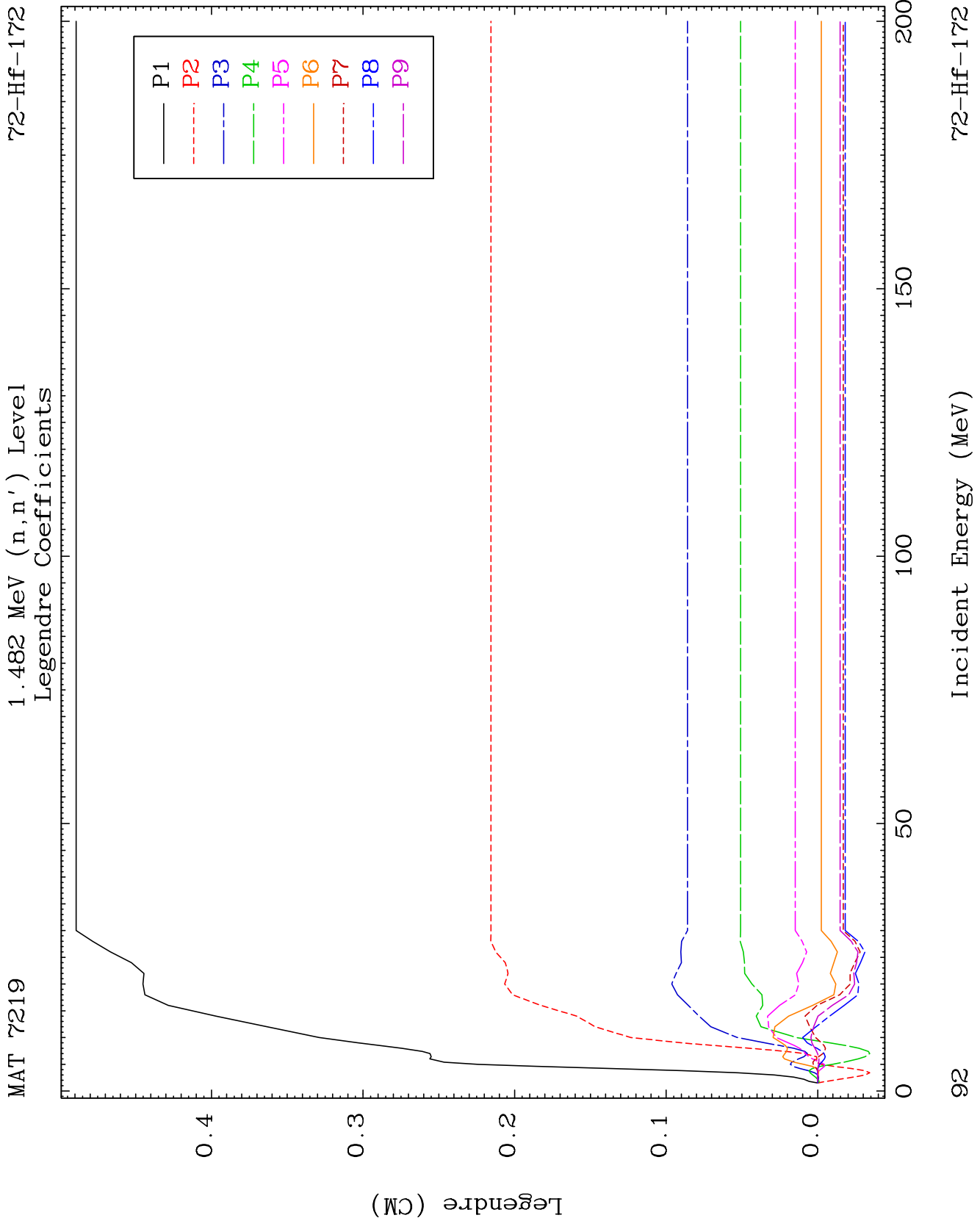
1.472 MeV (n,n') Level
Legendre Coefficients

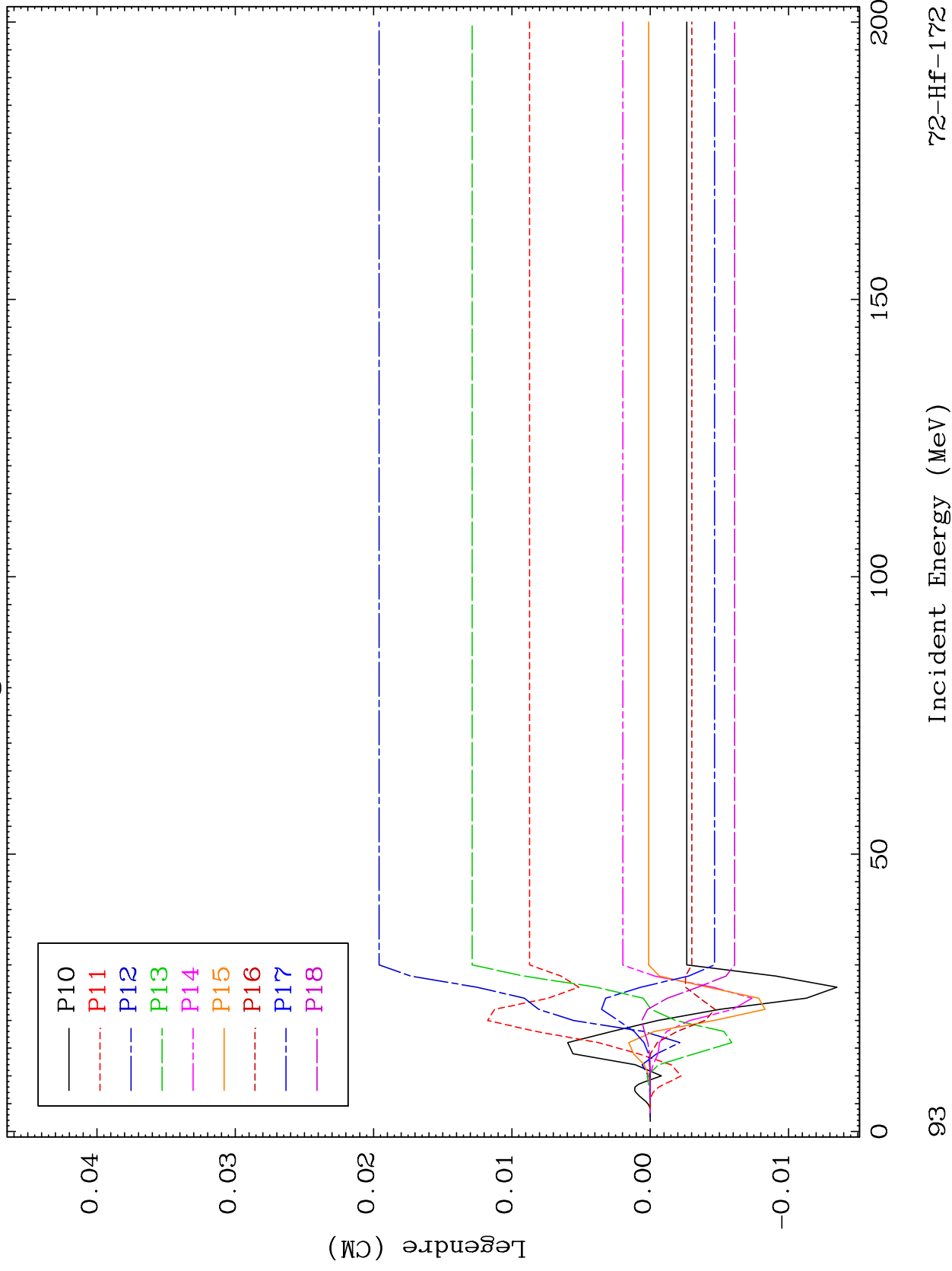
72-Hf-172

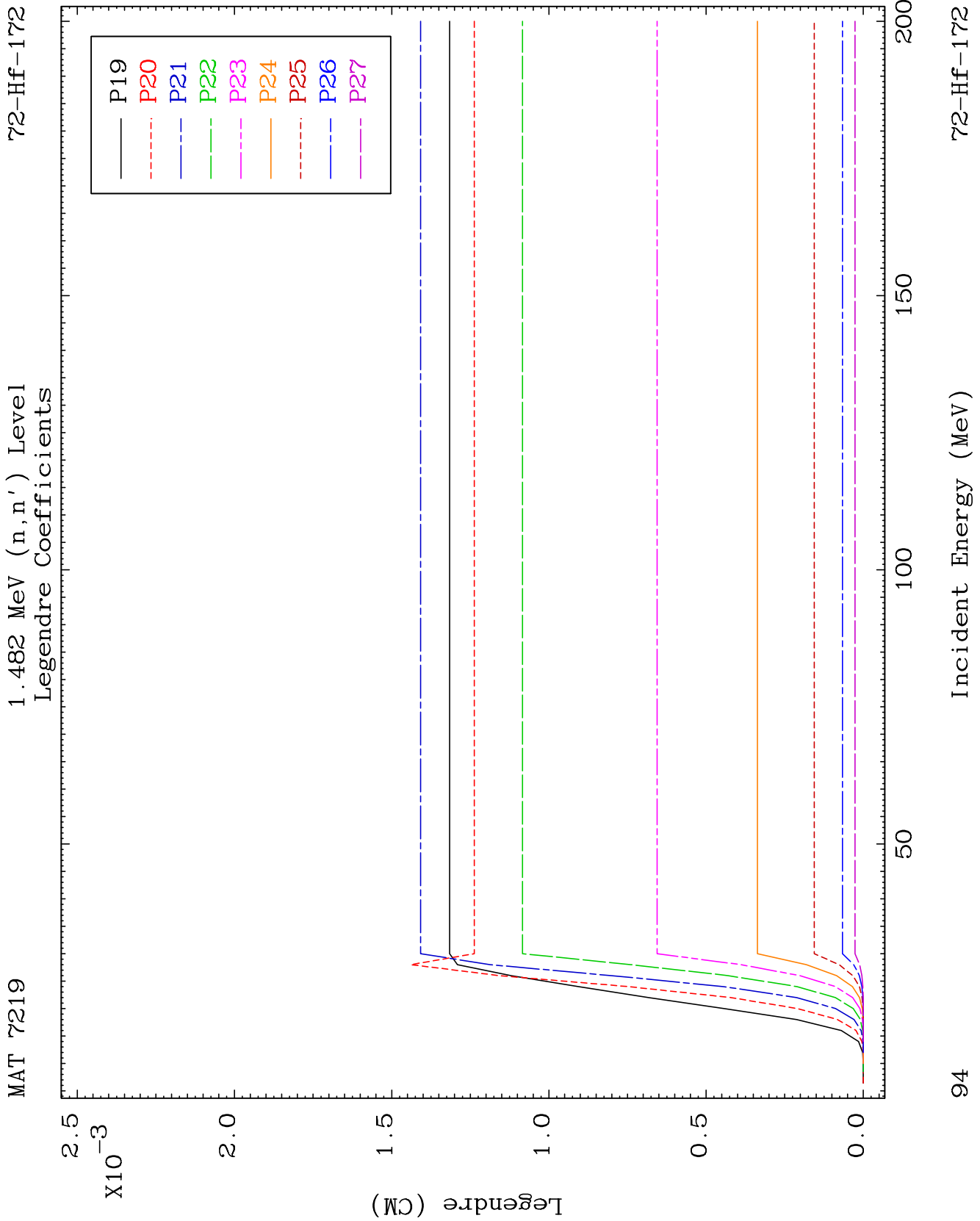


91

72-Hf-172



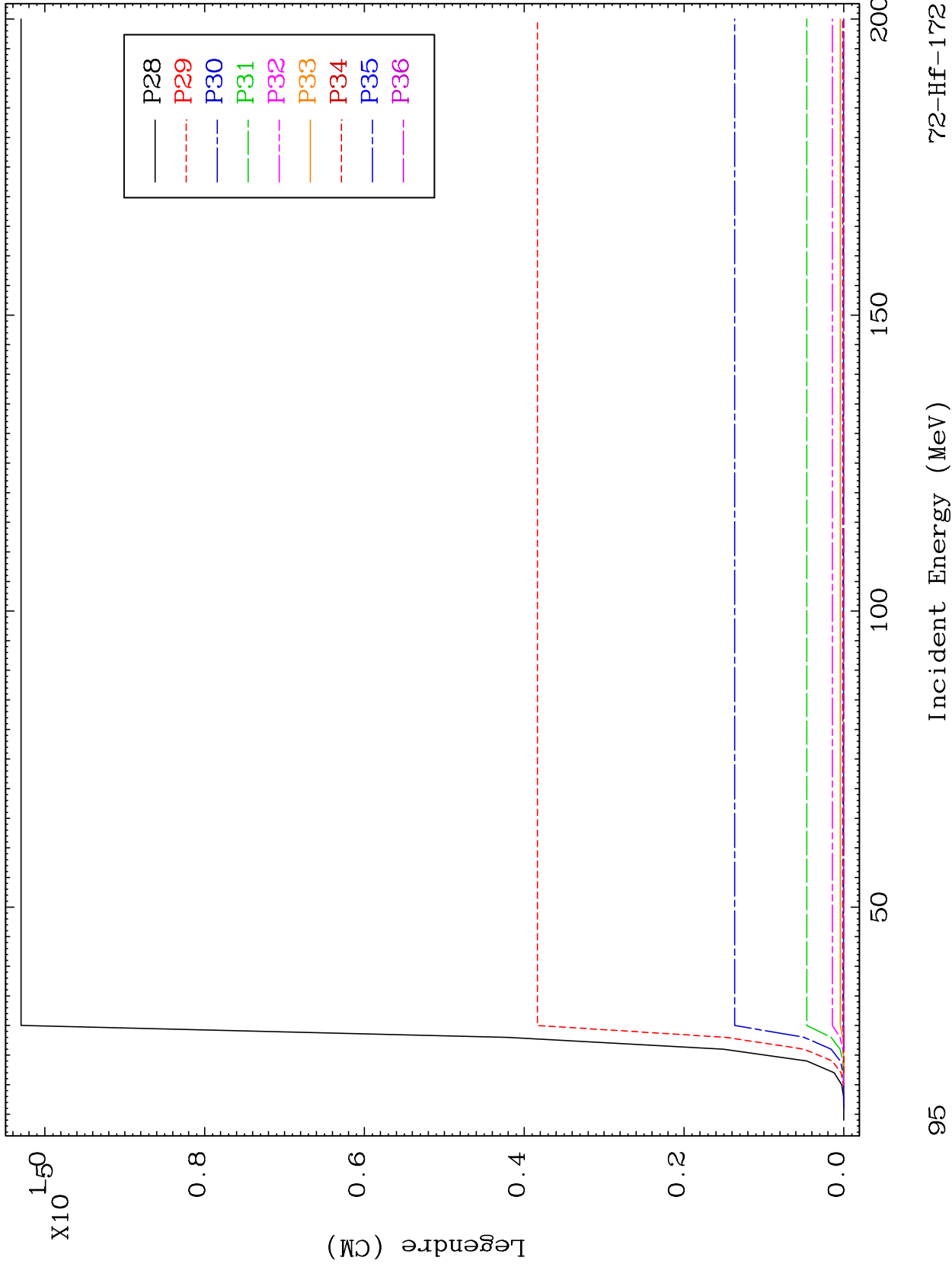




MAT 7219

1.482 MeV (n,n') Level
Legendre Coefficients

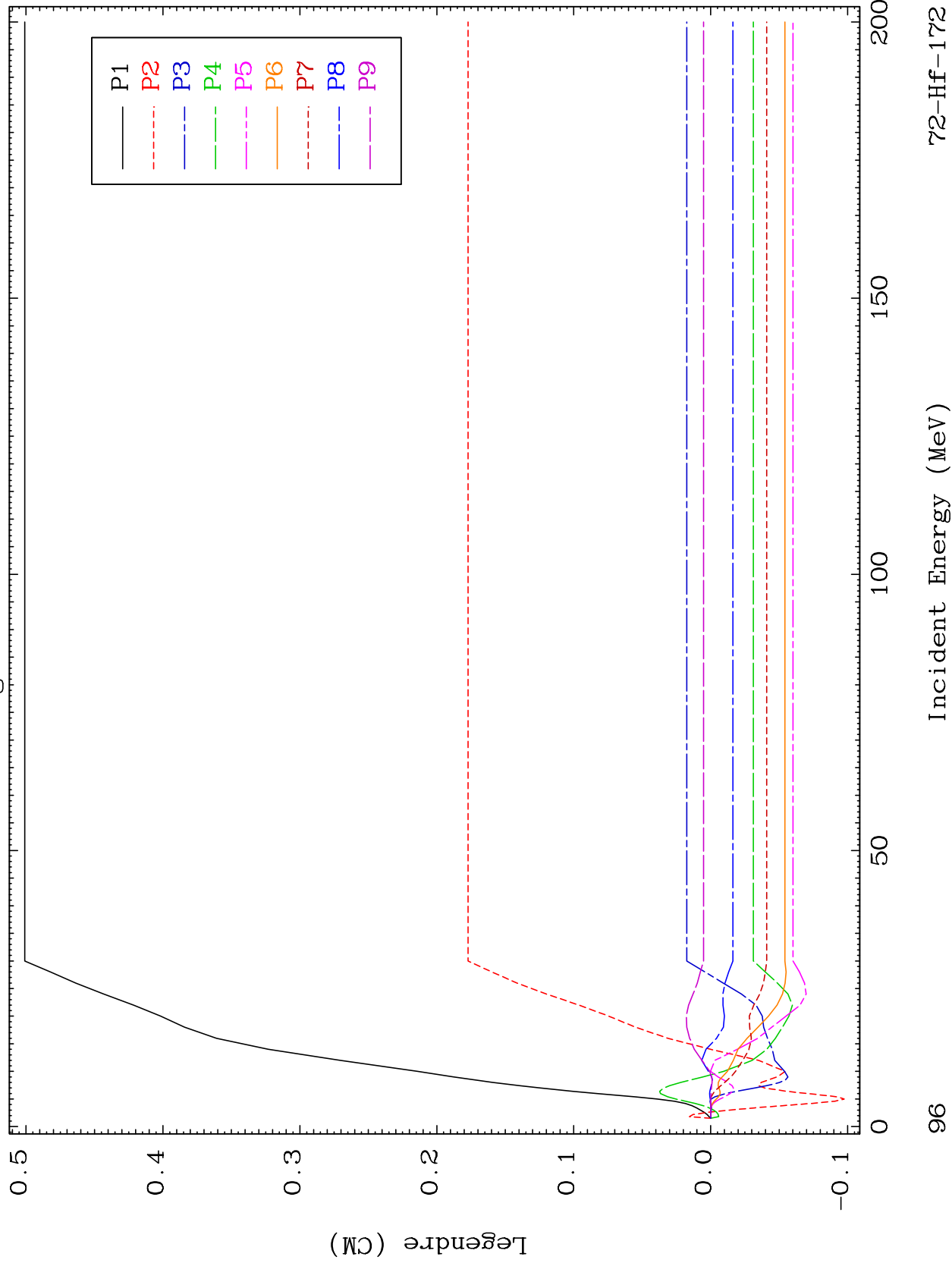
72-Hf-172



MAT 7219

1.496 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

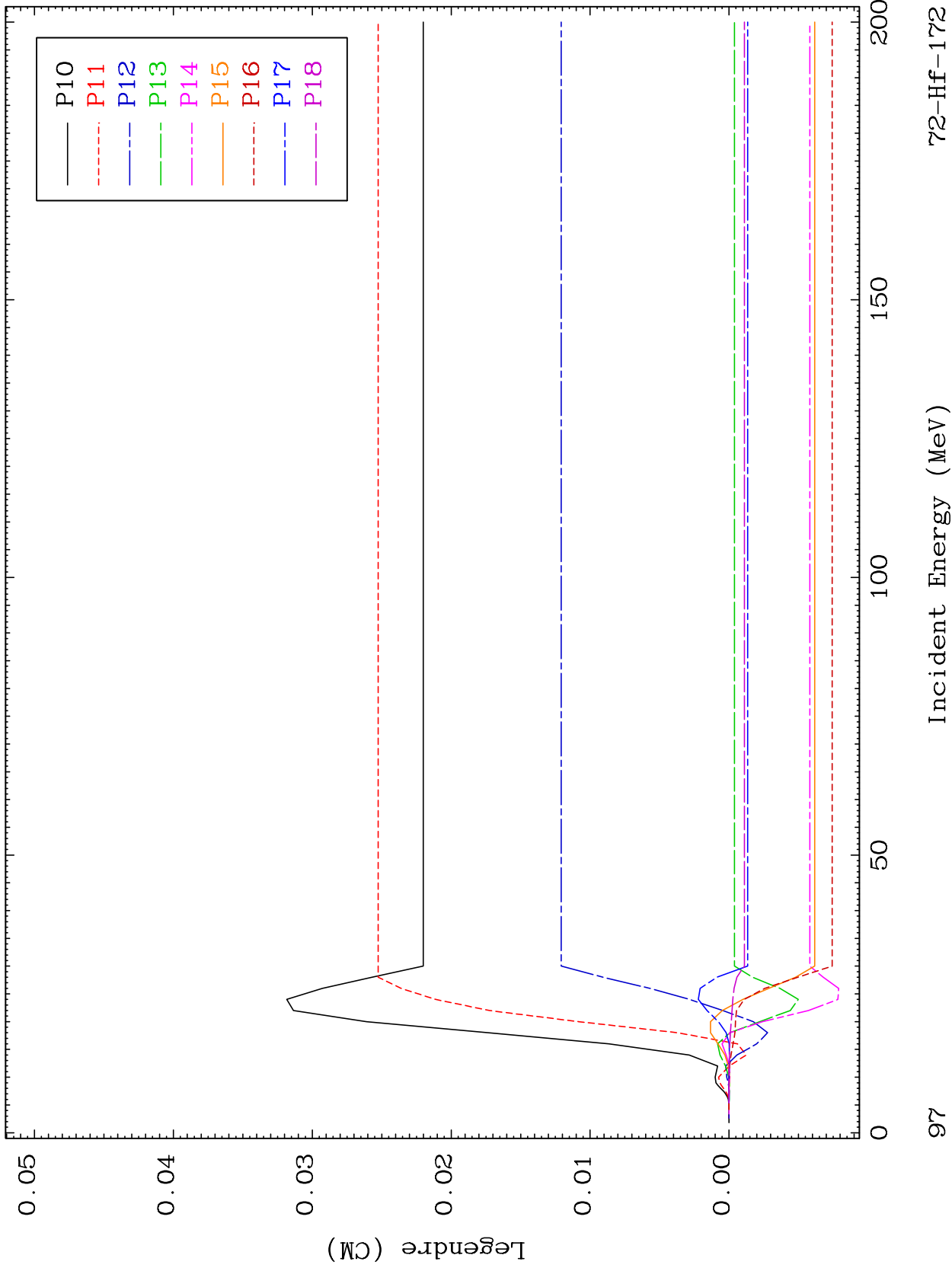
Incident Energy (MeV)

96

MAT 7219

1.496 MeV (n,n') Level
Legendre Coefficients

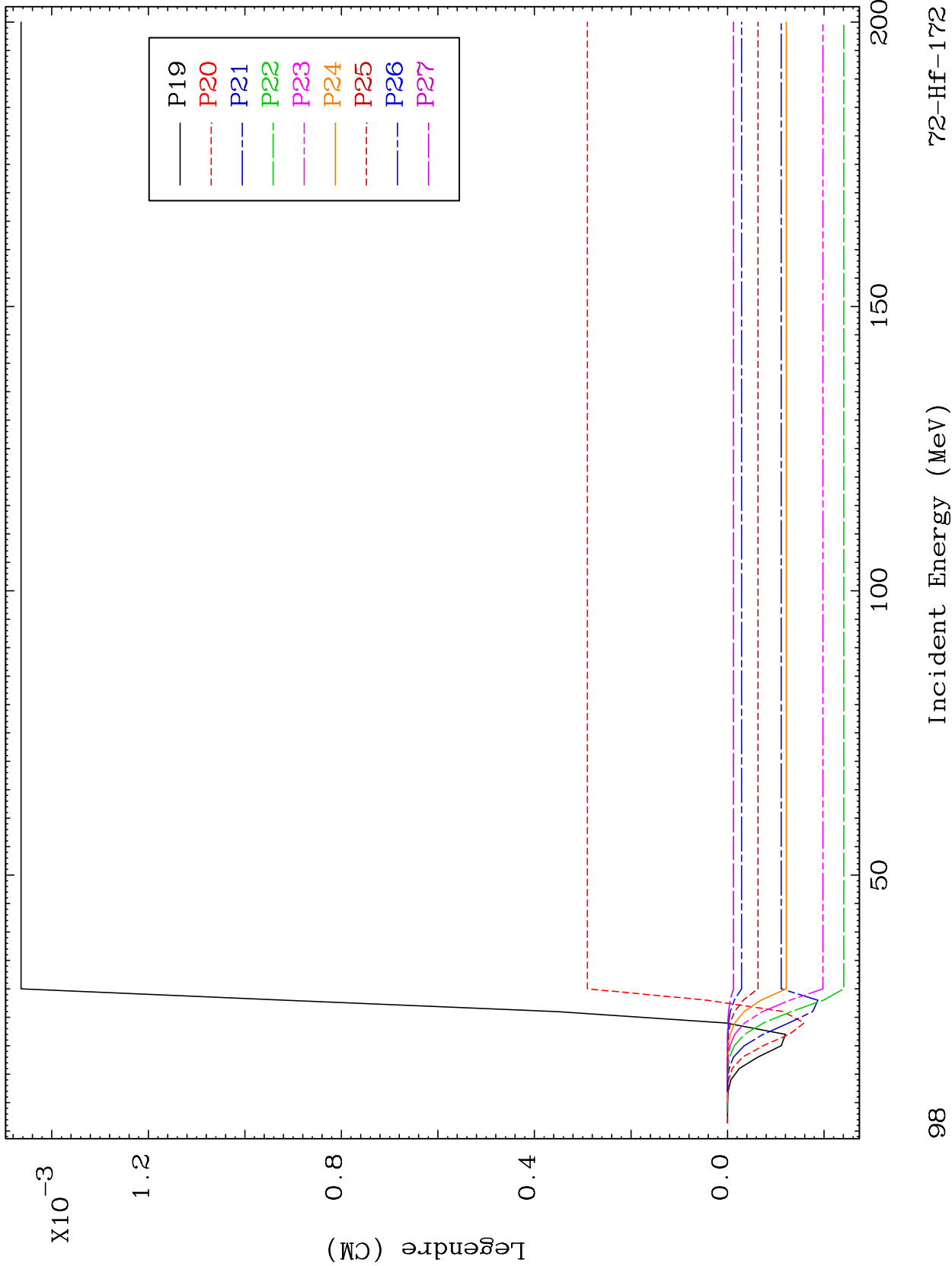
72-Hf-172

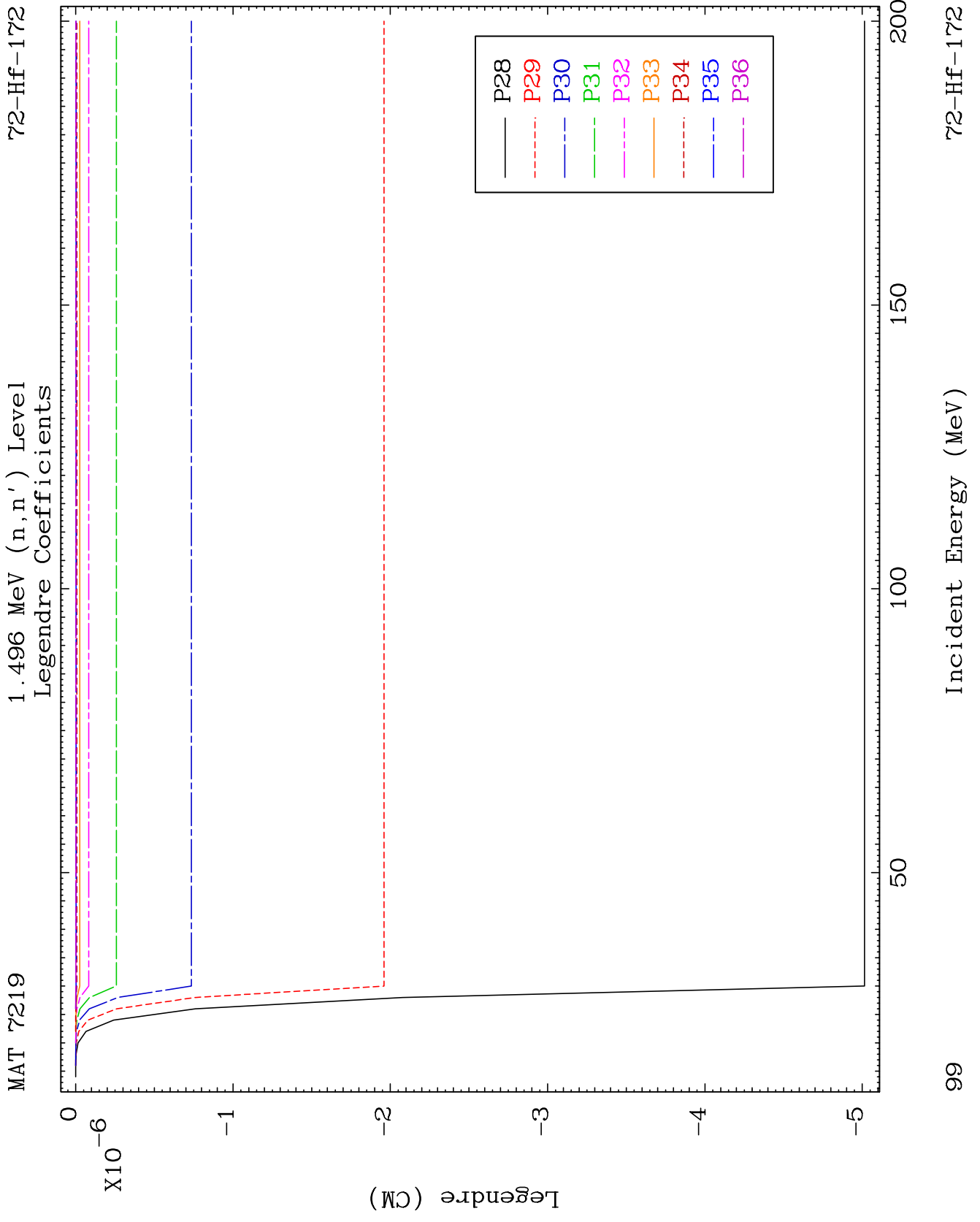


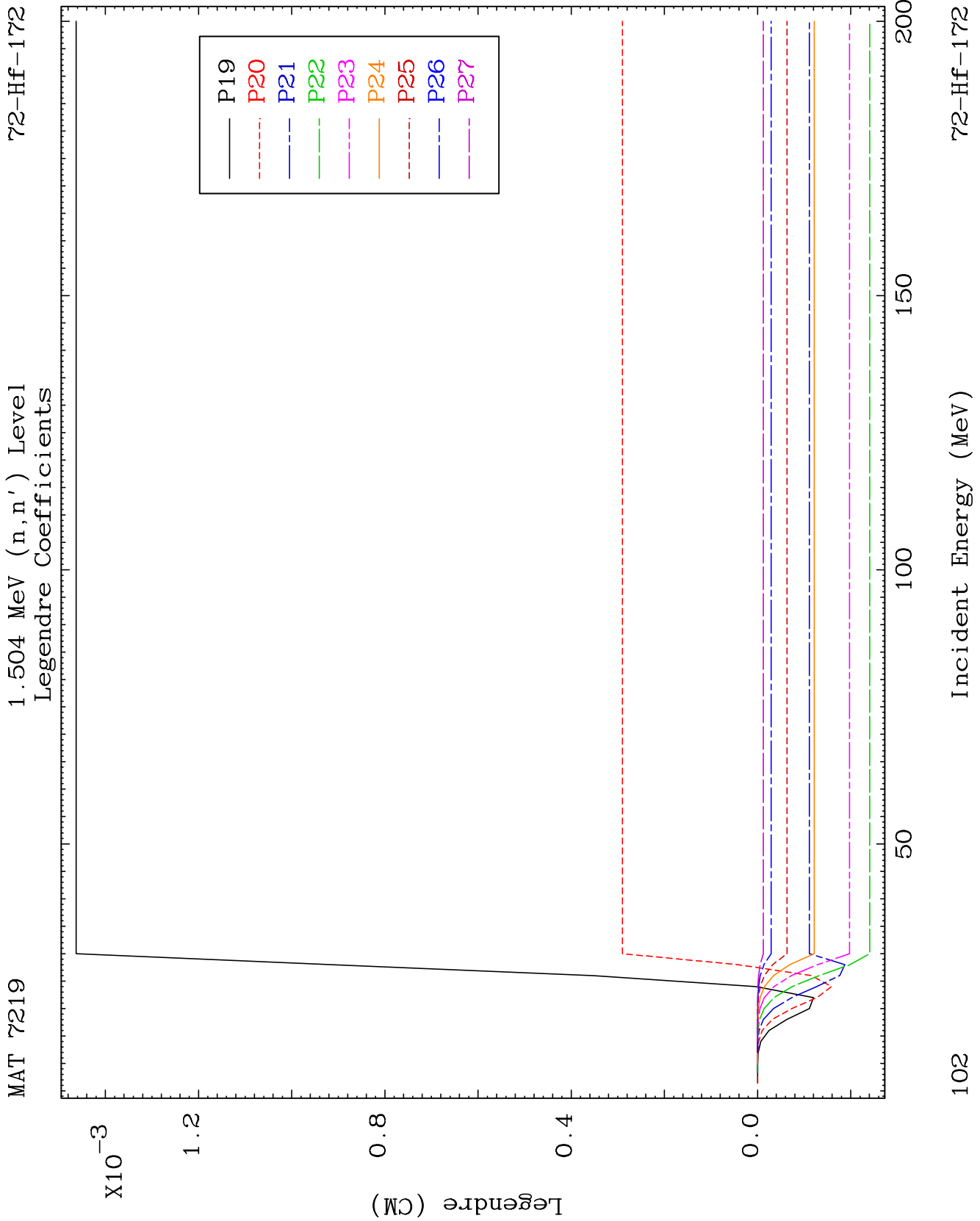
97

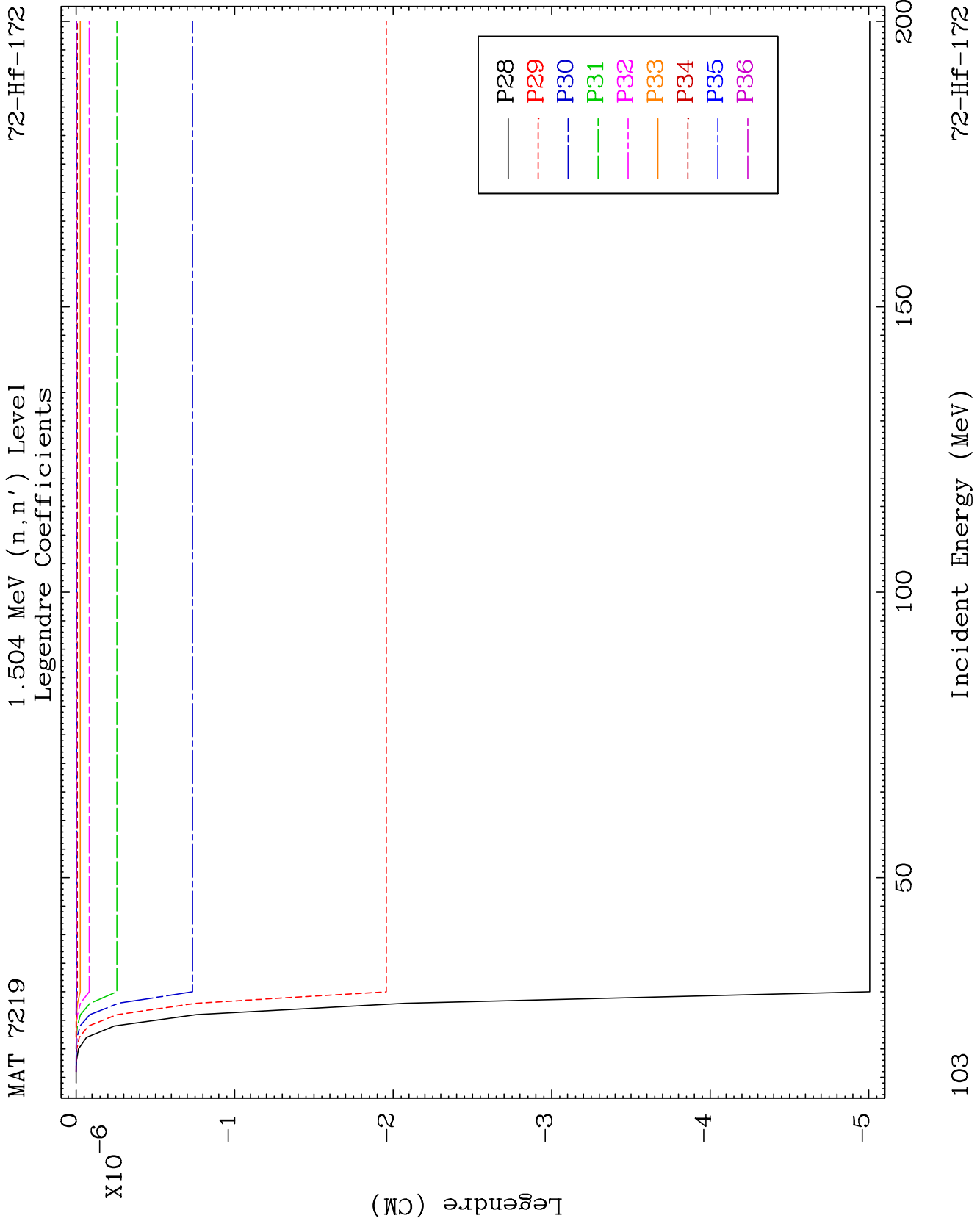
Incident Energy (MeV)

72-Hf-172





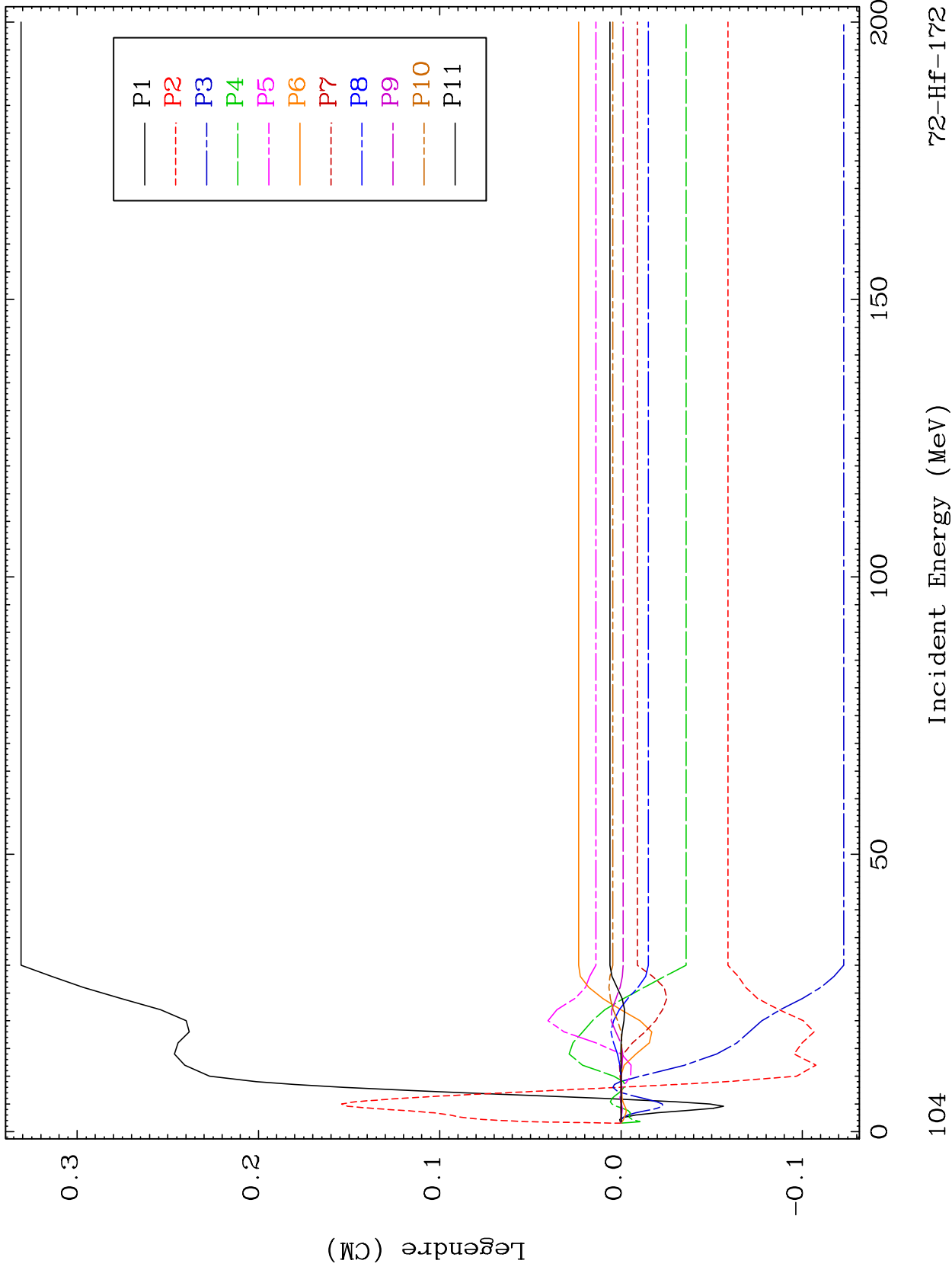




MAT 7219

1.521 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

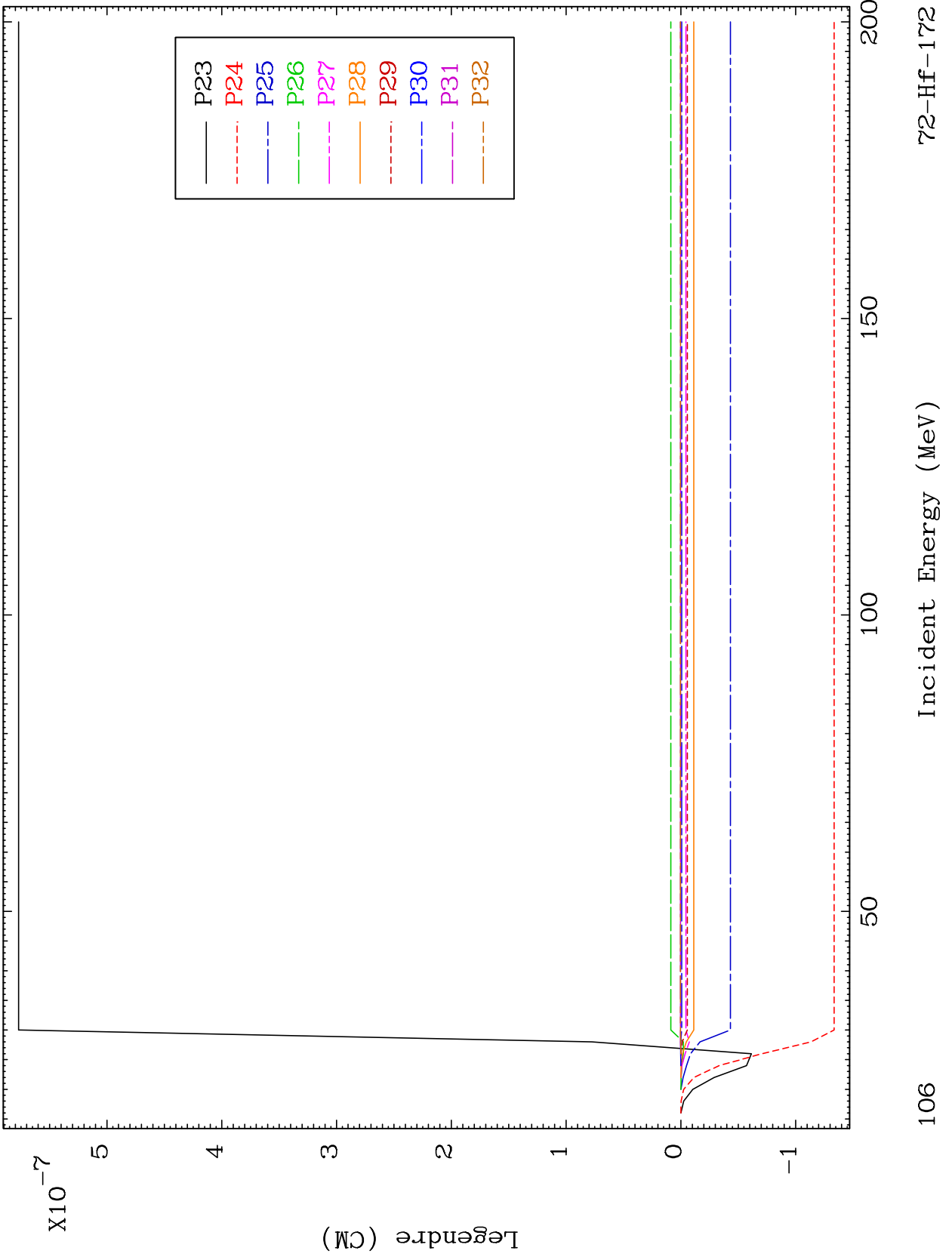
Incident Energy (MeV)

104

MAT 7219

1.521 MeV (n,n') Level
Legendre Coefficients

72-Hf-172

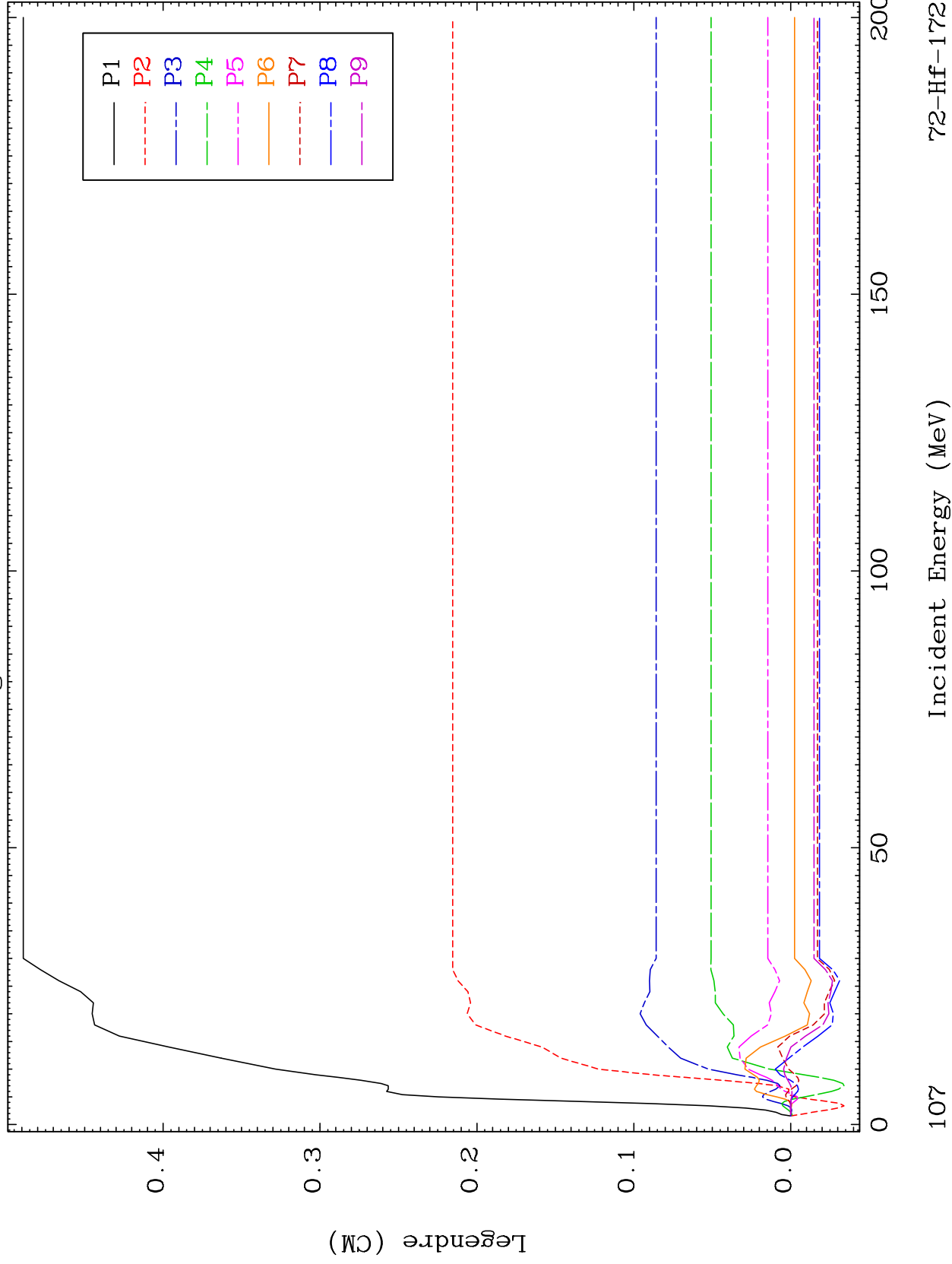


106

MAT 7219

1.534 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

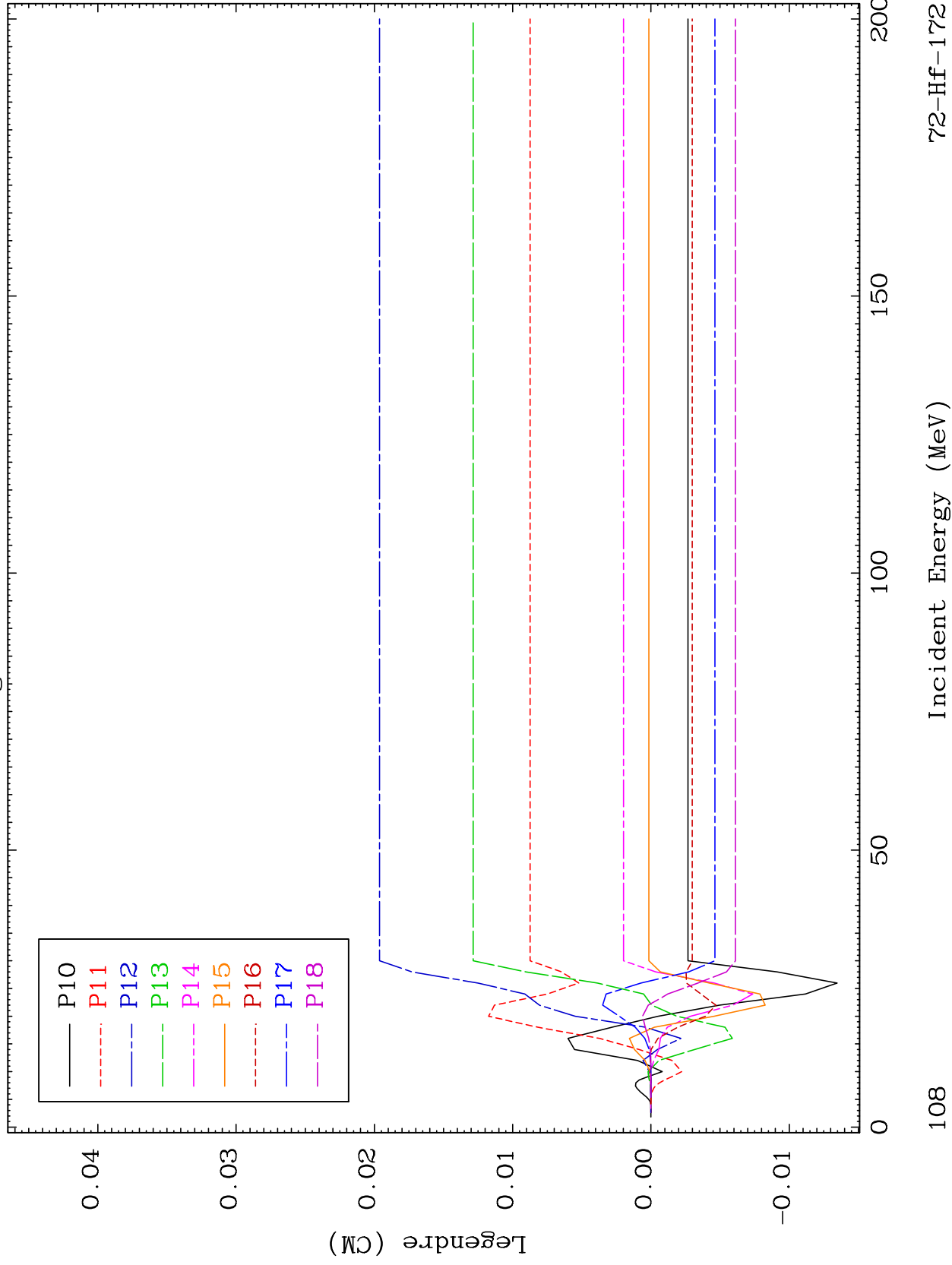
Incident Energy (MeV)

107

MAT 7219

1.534 MeV (n,n') Level
Legendre Coefficients

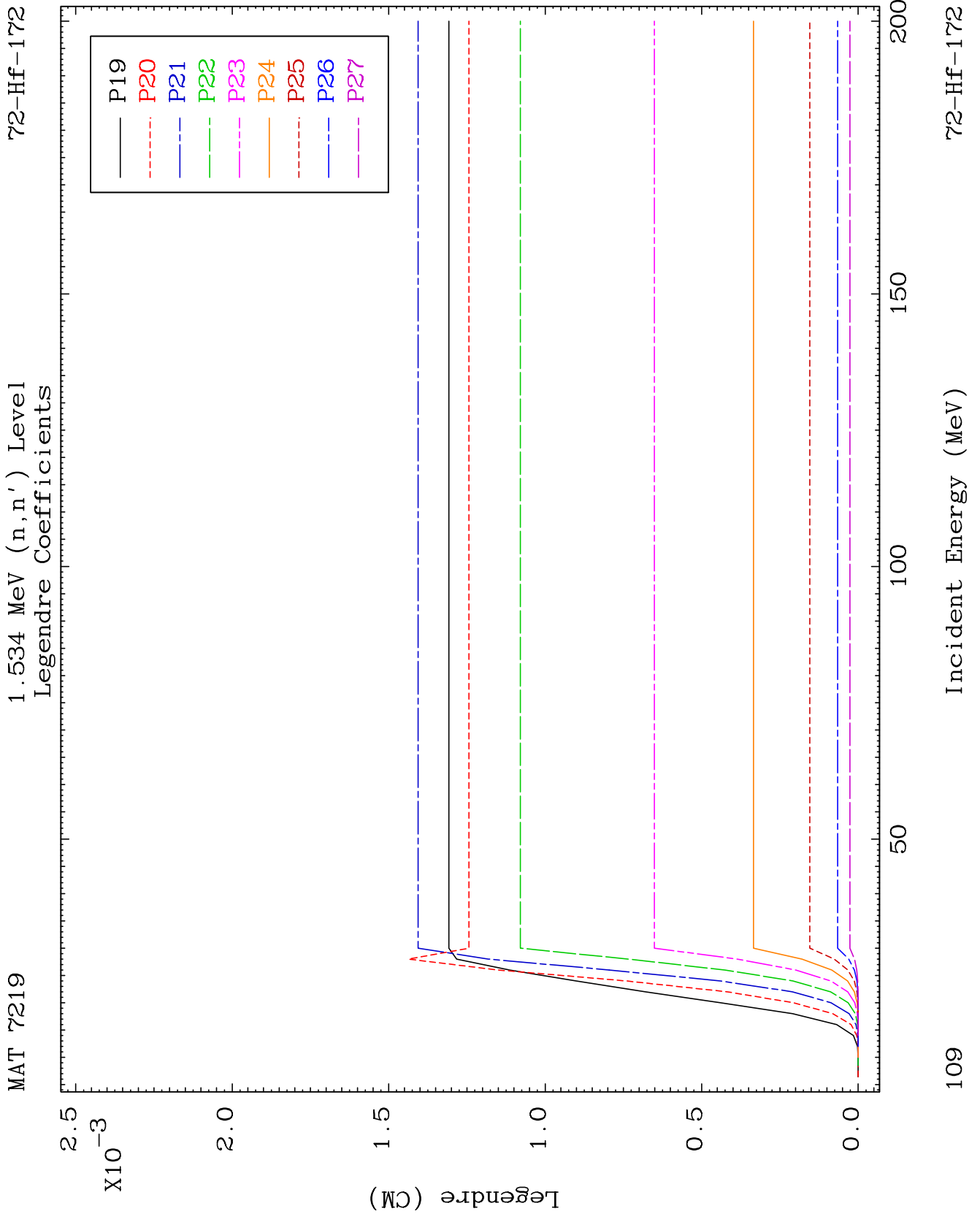
72-Hf-172

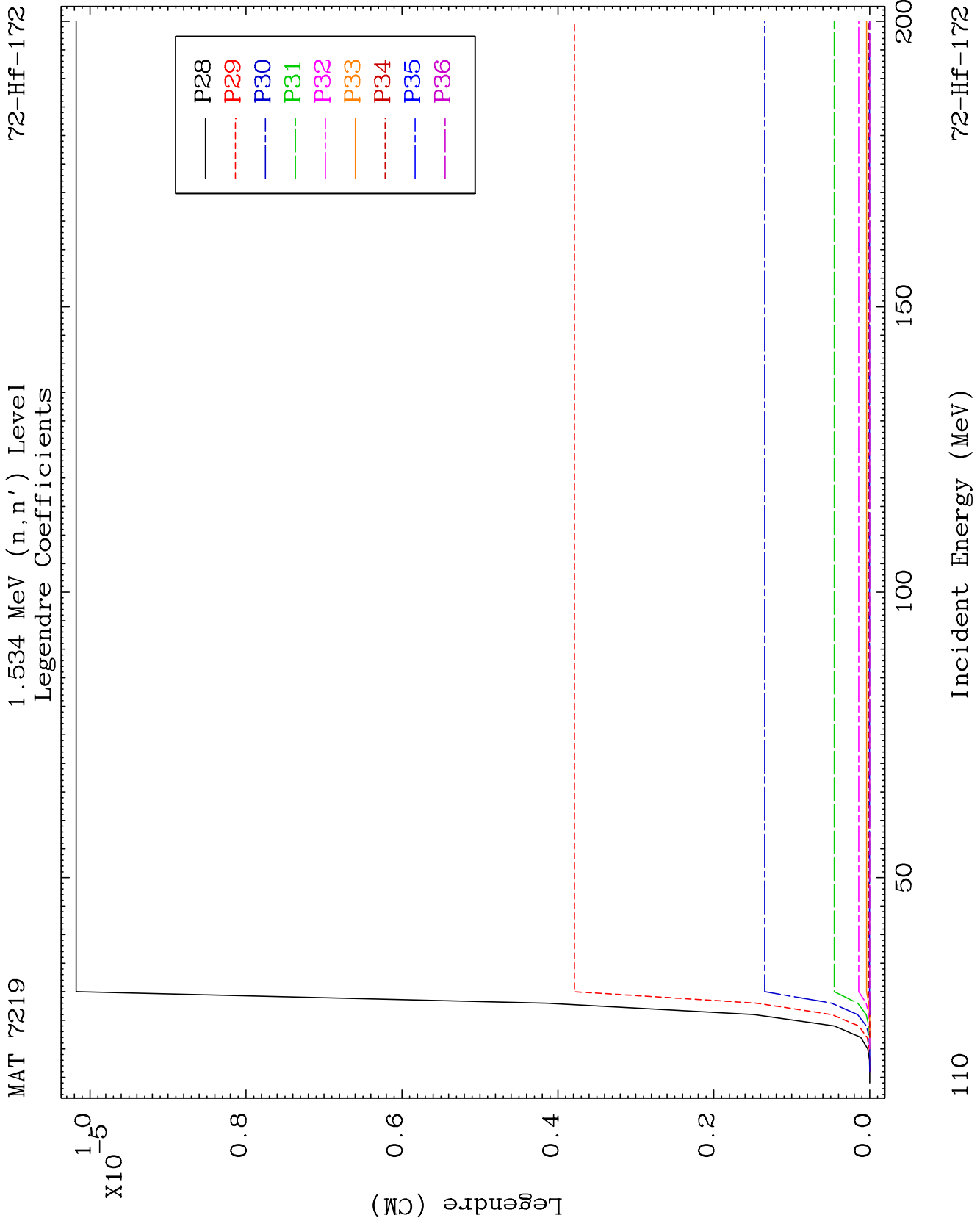


108

Incident Energy (MeV)

72-Hf-172

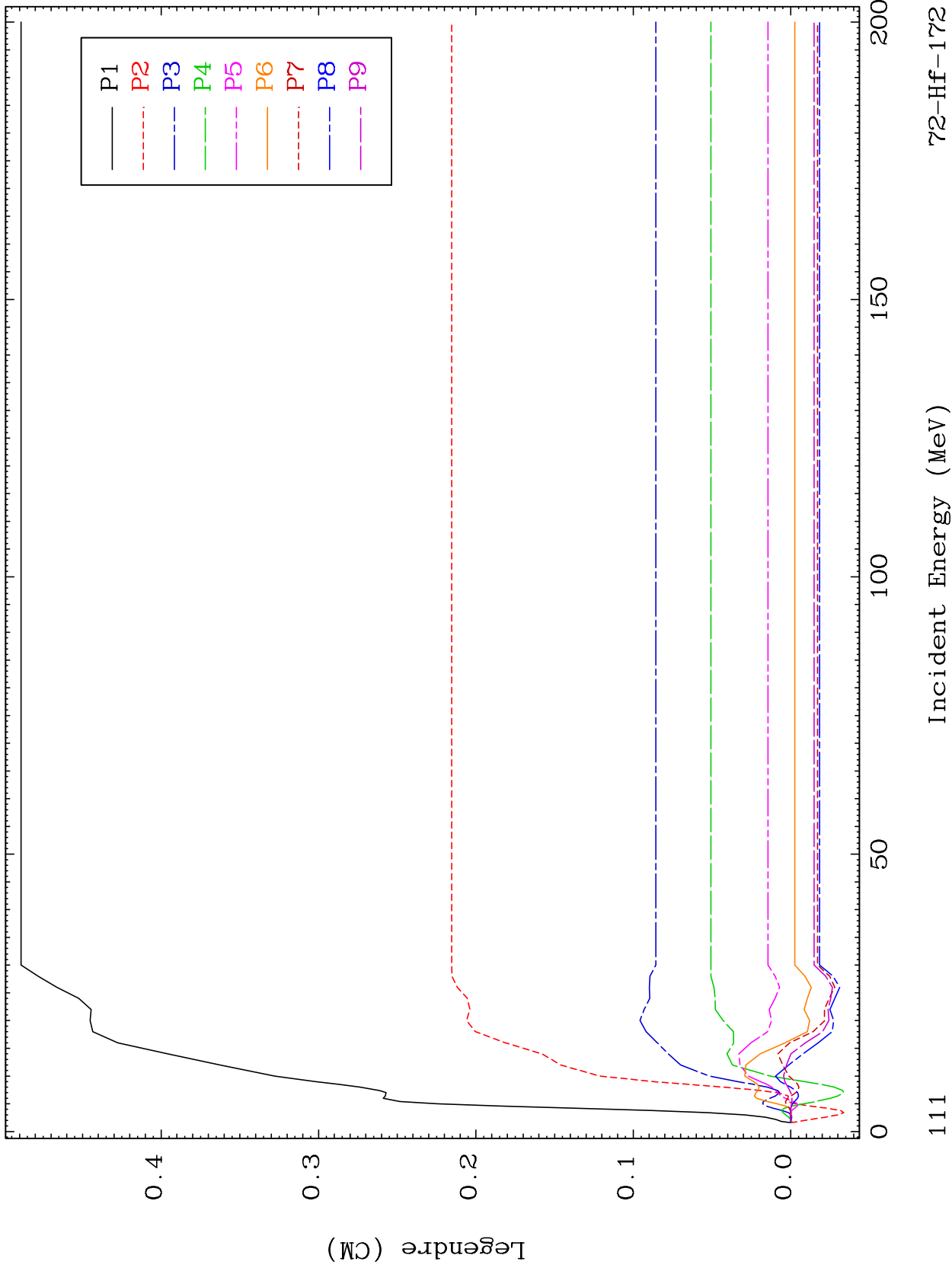




MAT 7219

1.575 MeV (n,n') Level
Legendre Coefficients

72-Hf-172



72-Hf-172

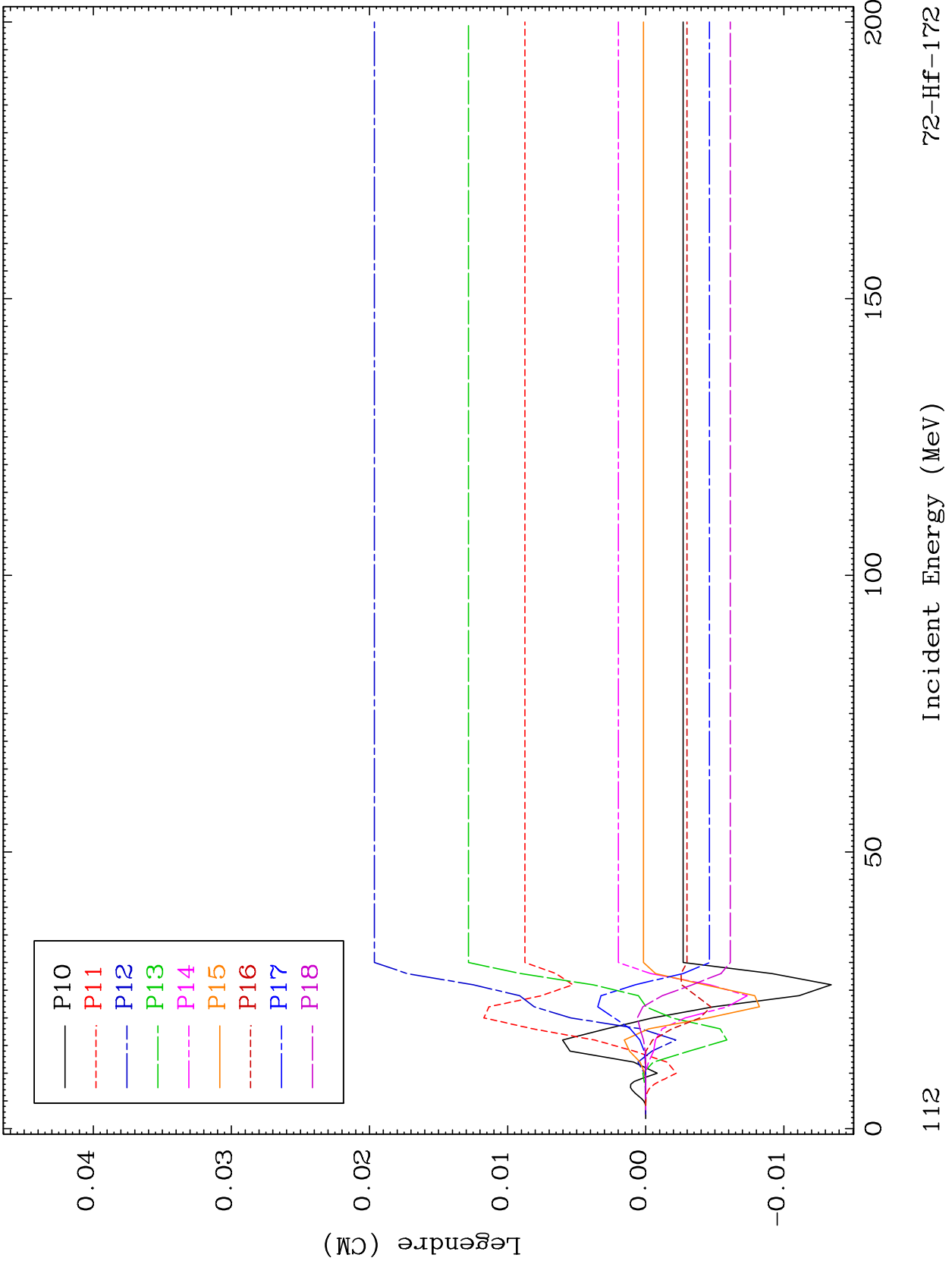
Incident Energy (MeV)

111

MAT 7219

1.575 MeV (n, n') Level Legendre Coefficients

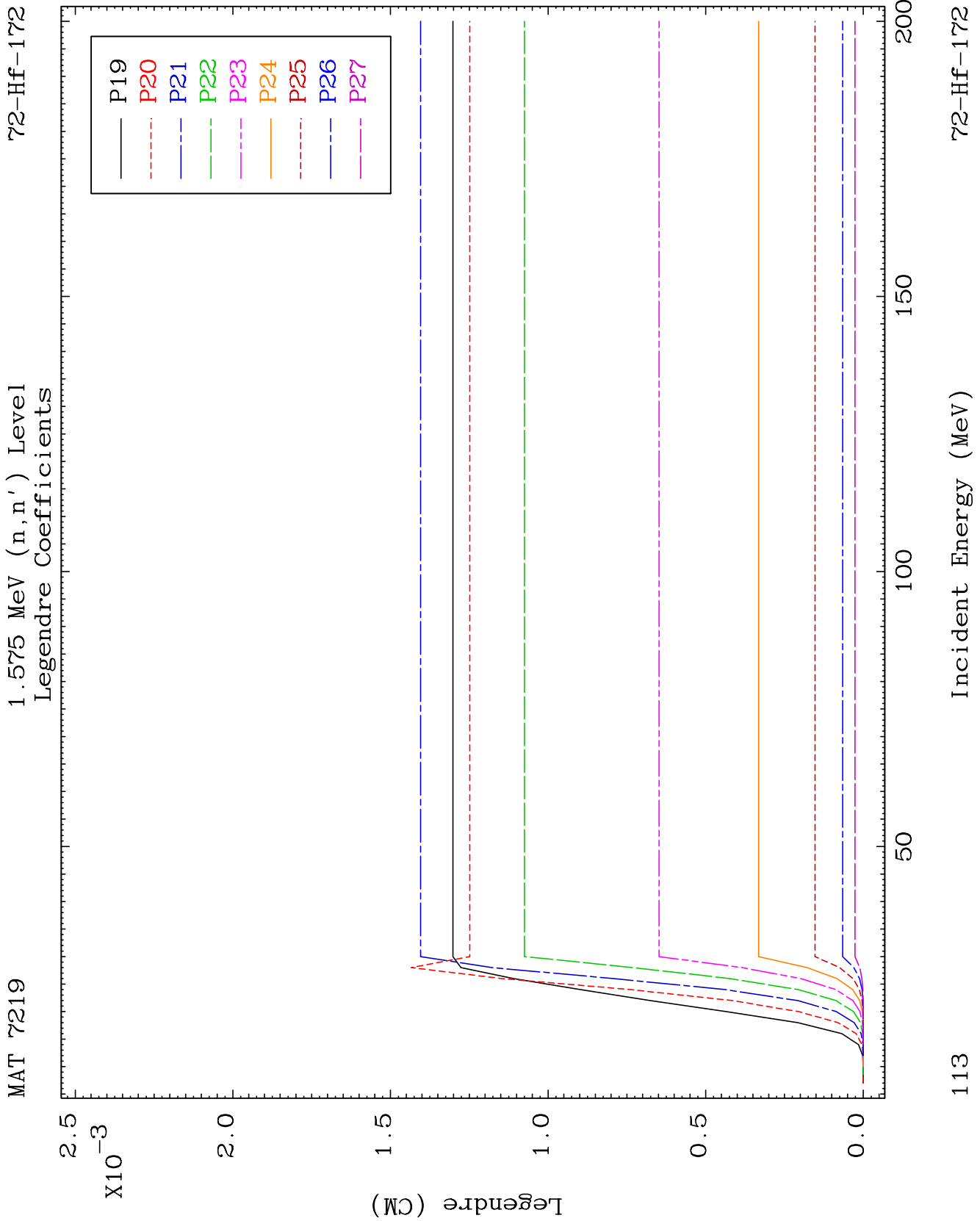
72-Hf-172

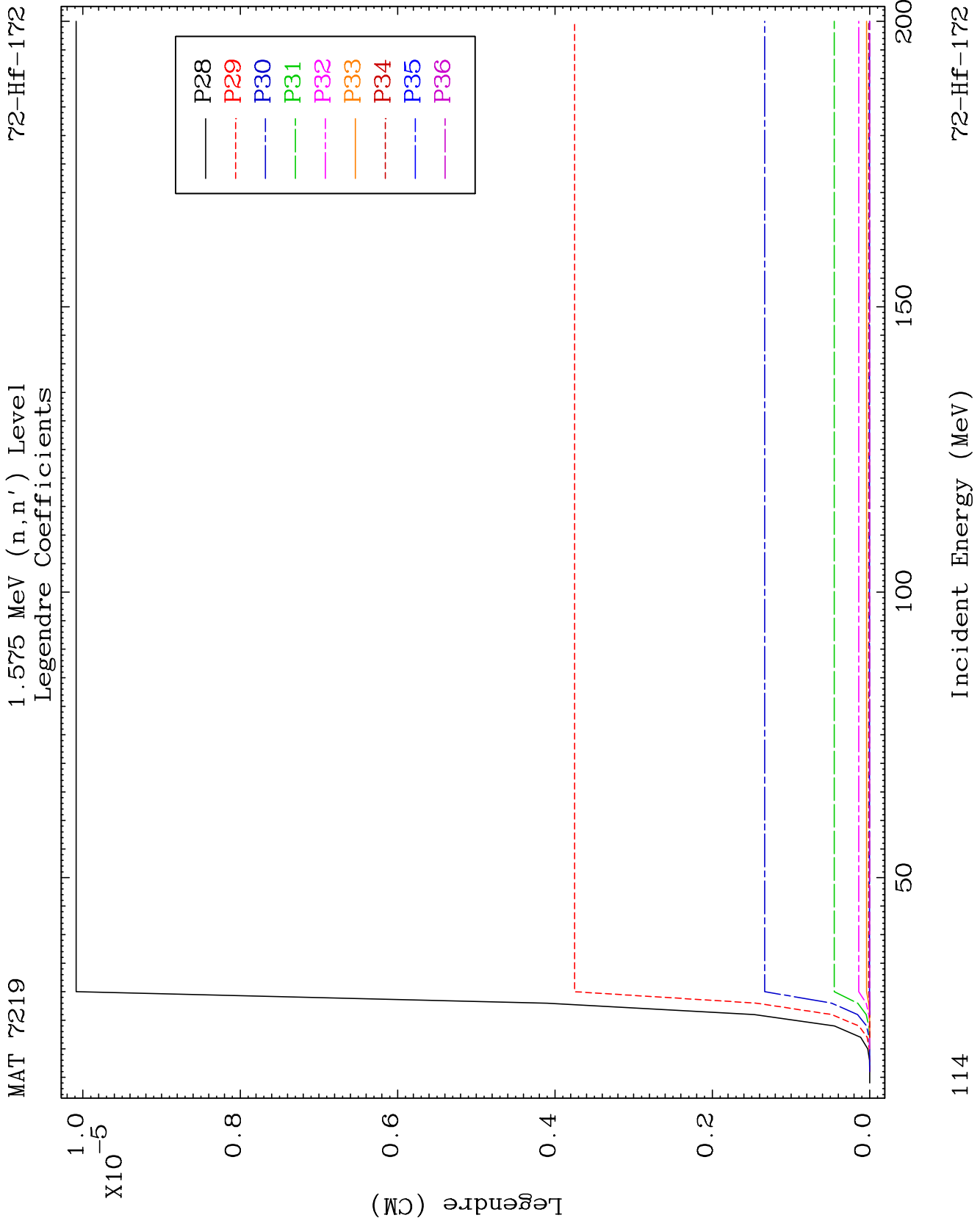


112

Incident Energy (MeV)

72-Hf-172

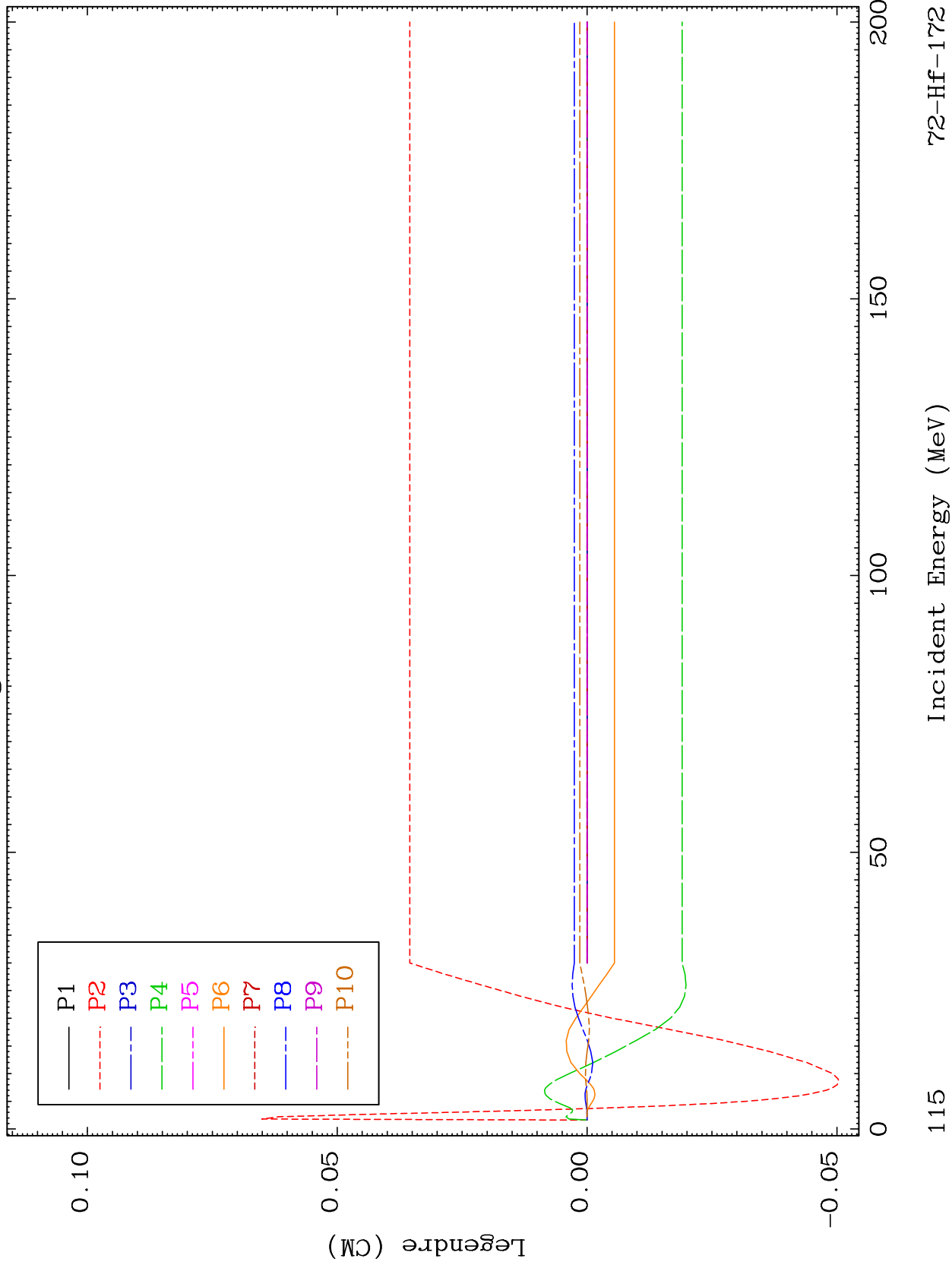




MAT 7219

1.598 MeV (n, n') Level
Legendre Coefficients

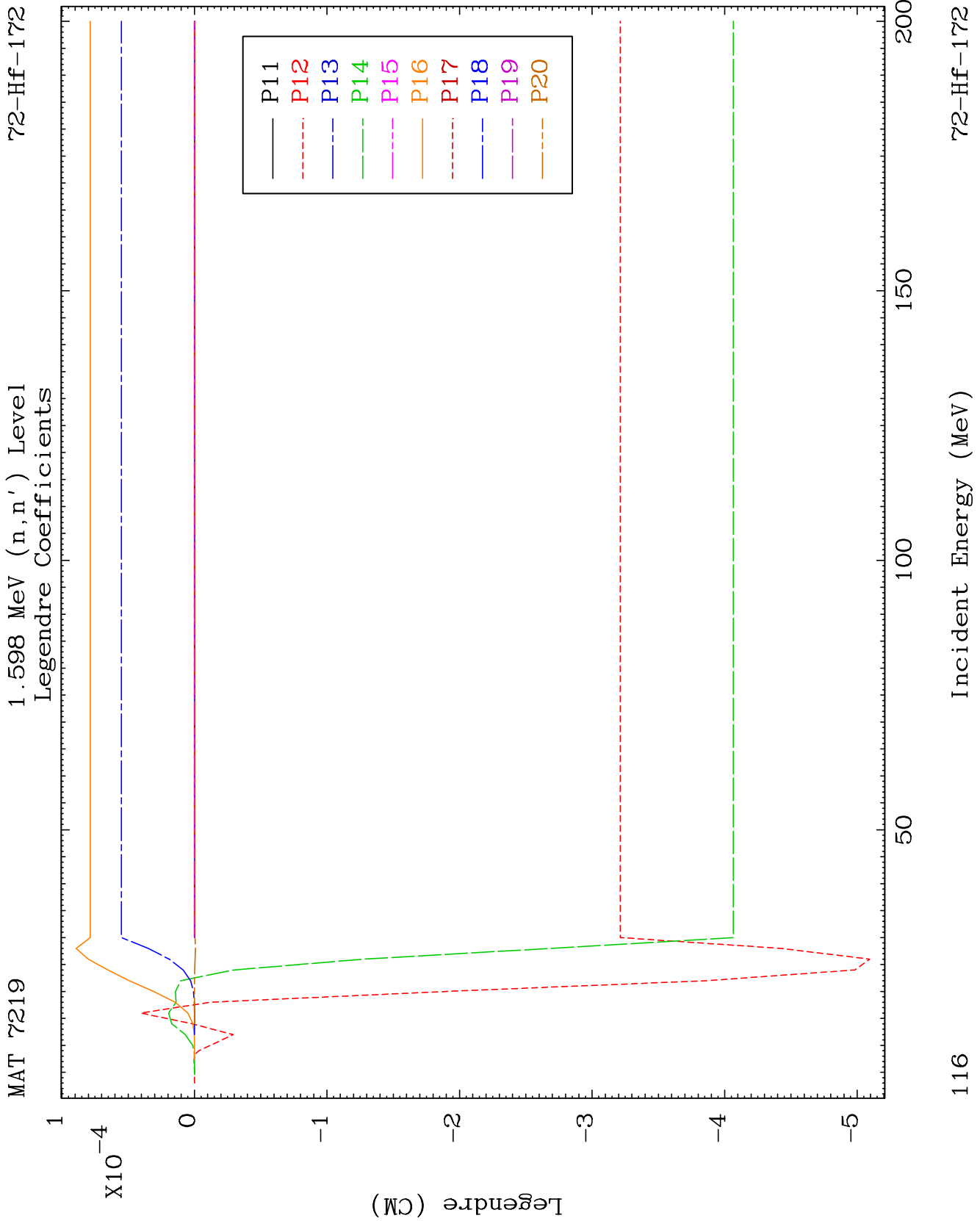
72-Hf-172

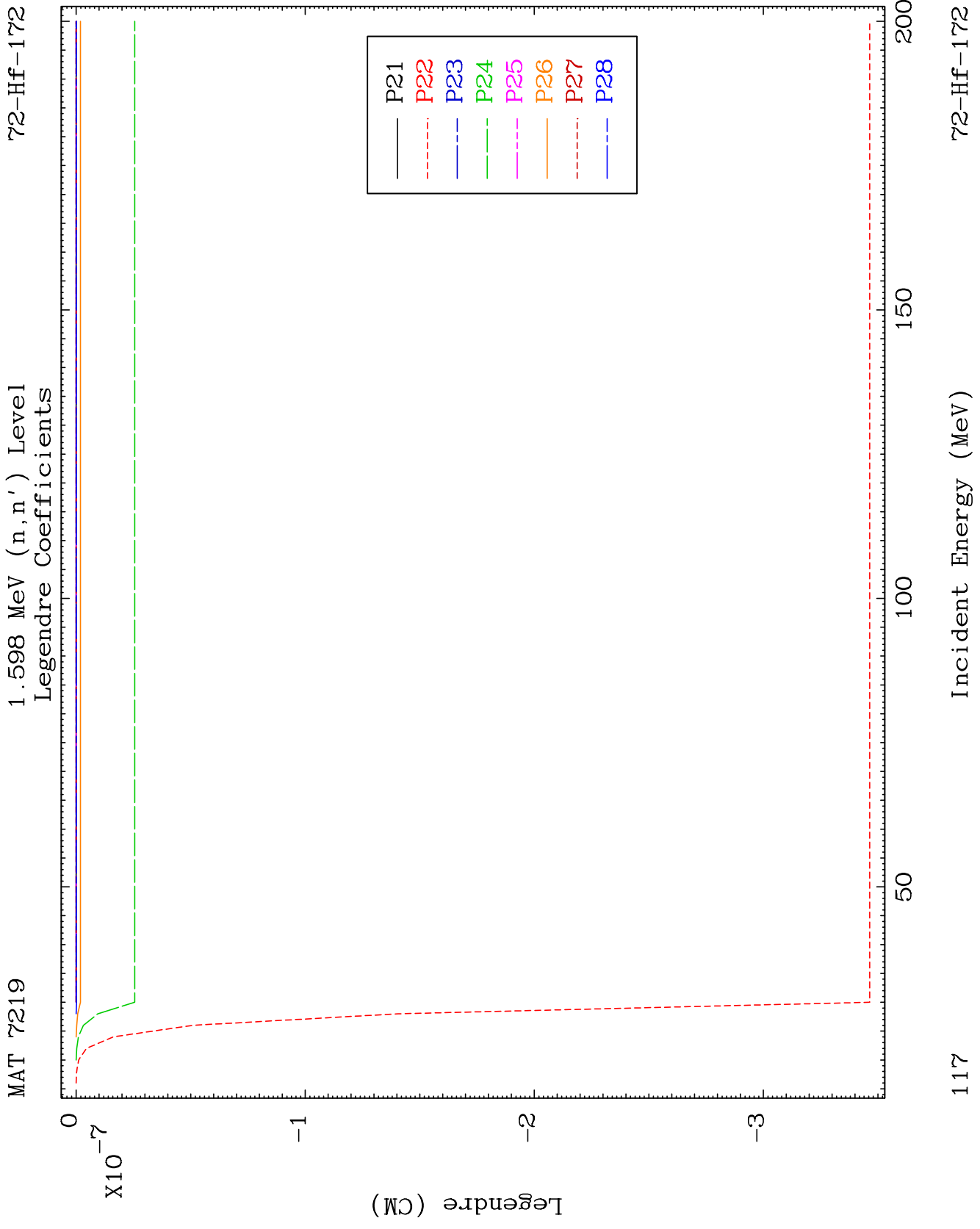


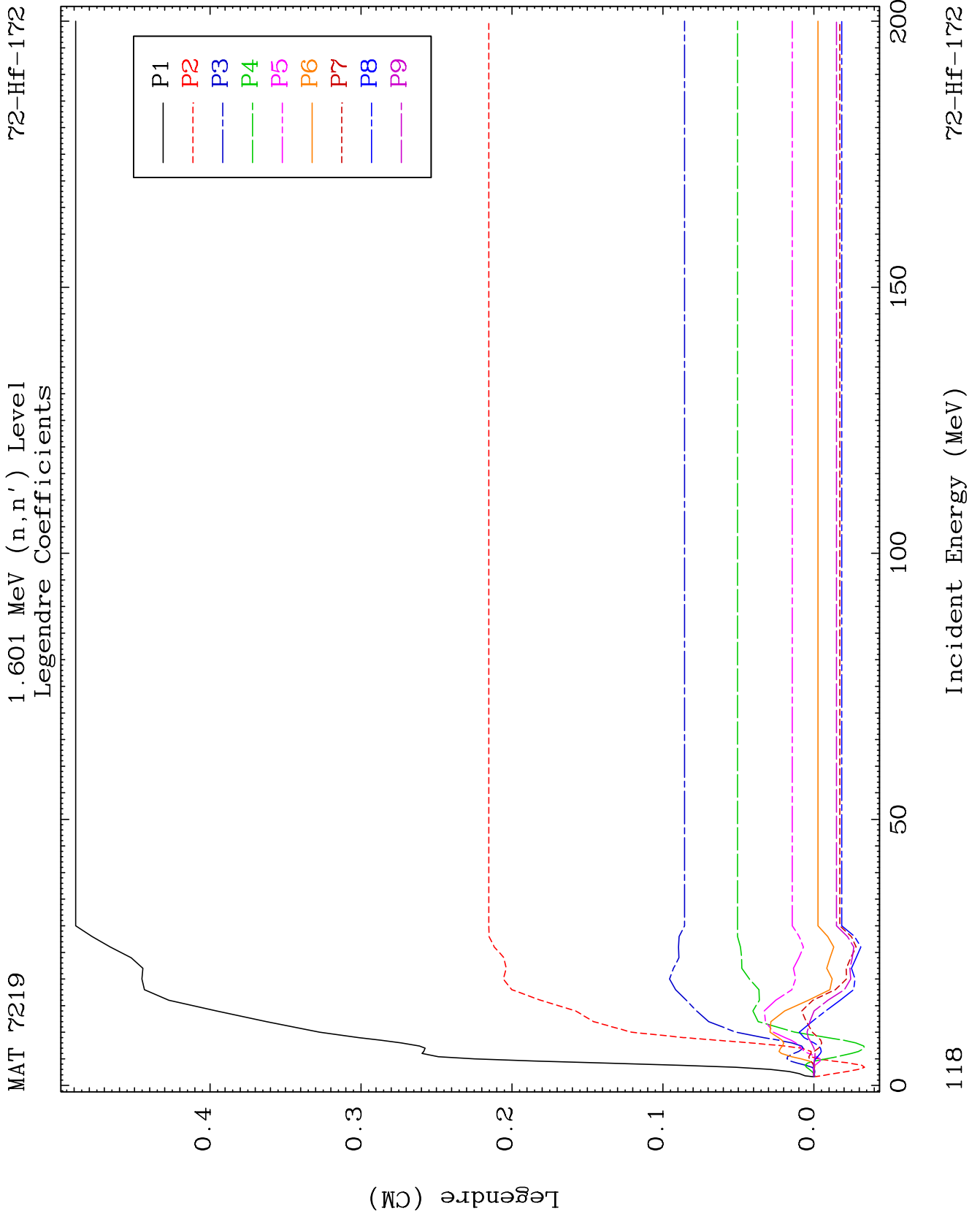
72-Hf-172

Incident Energy (MeV)

115



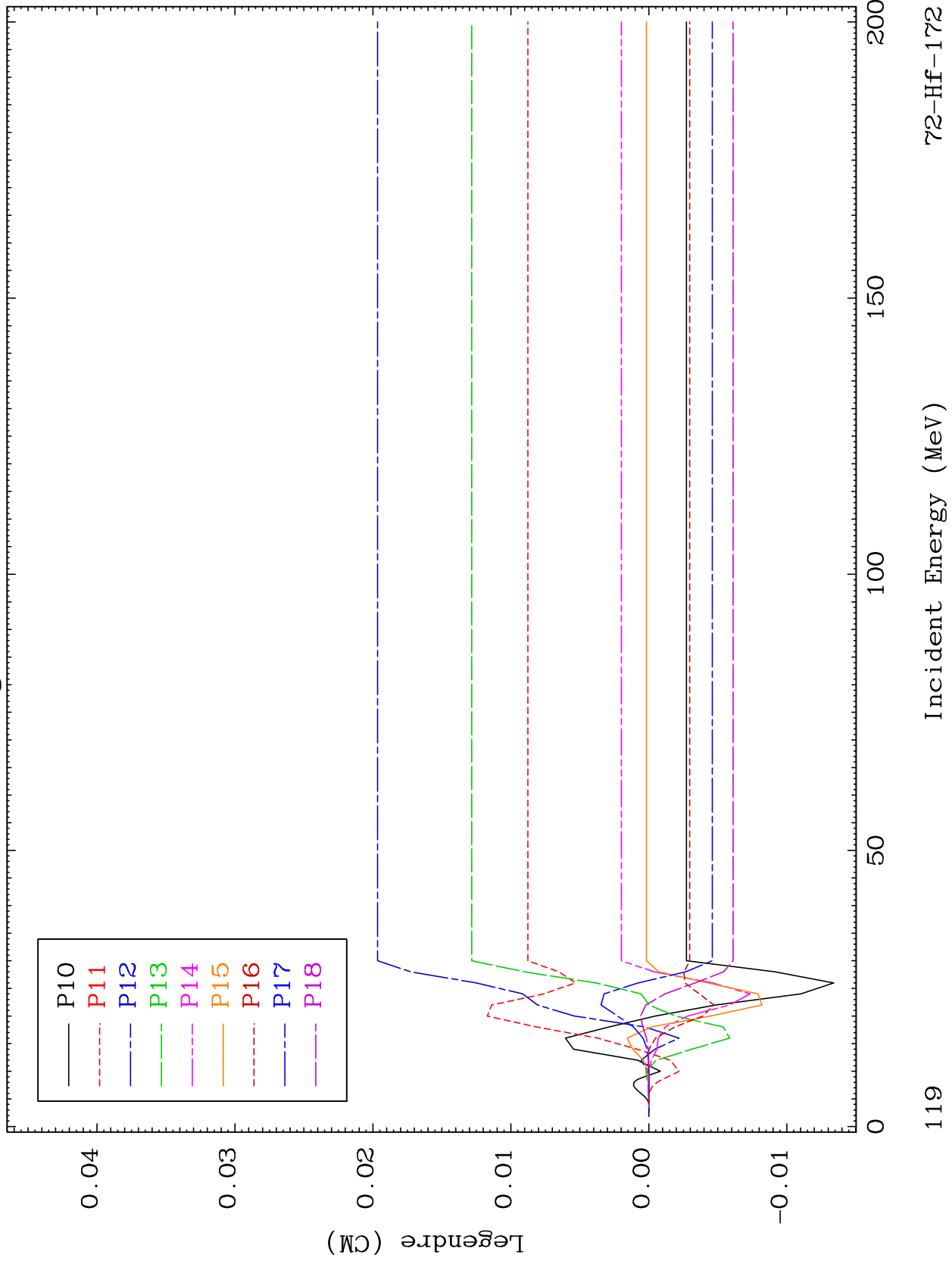




MAT 7219

1.601 MeV (n,n') Level
Legendre Coefficients

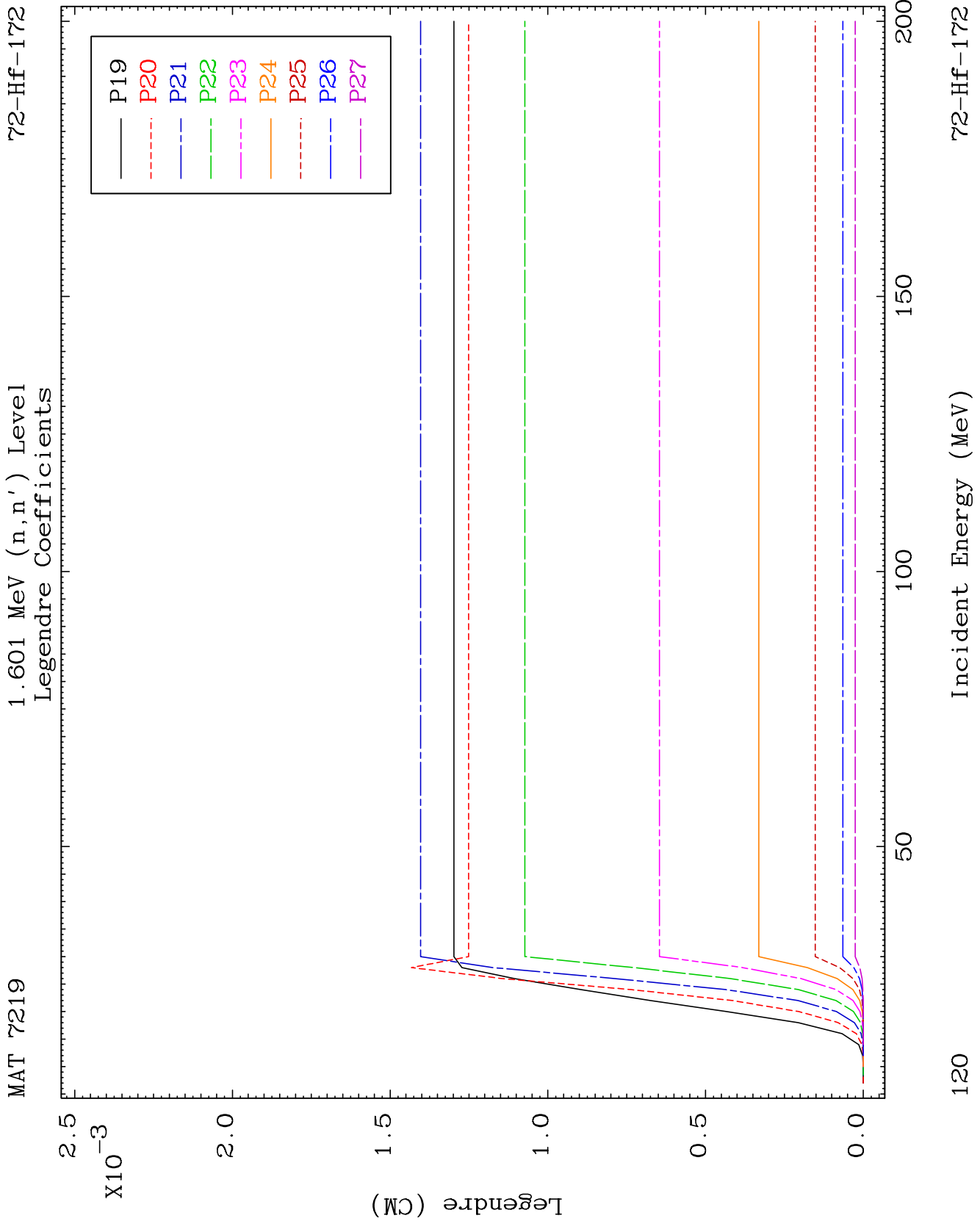
72-Hf-172

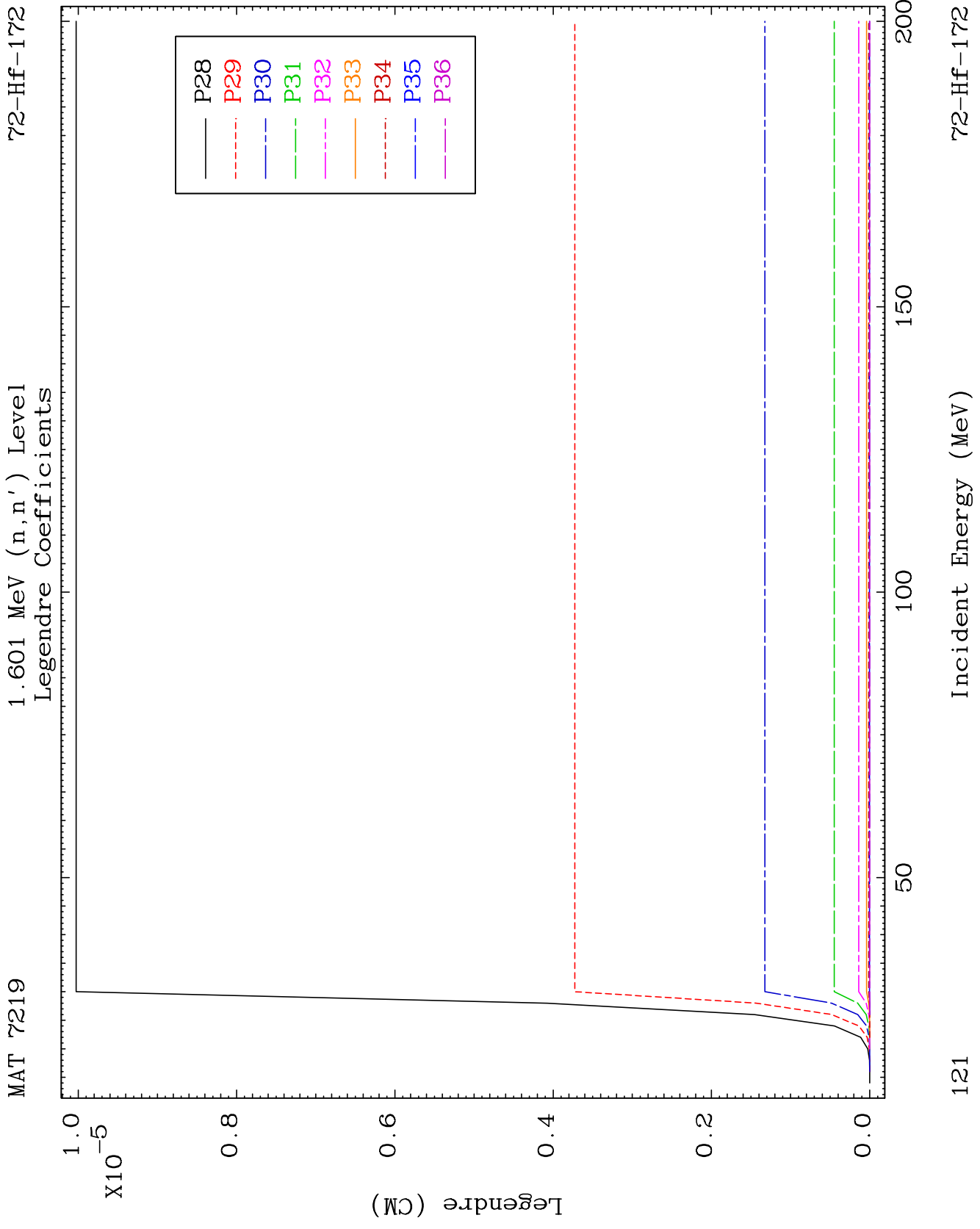


119

Incident Energy (MeV)

72-Hf-172

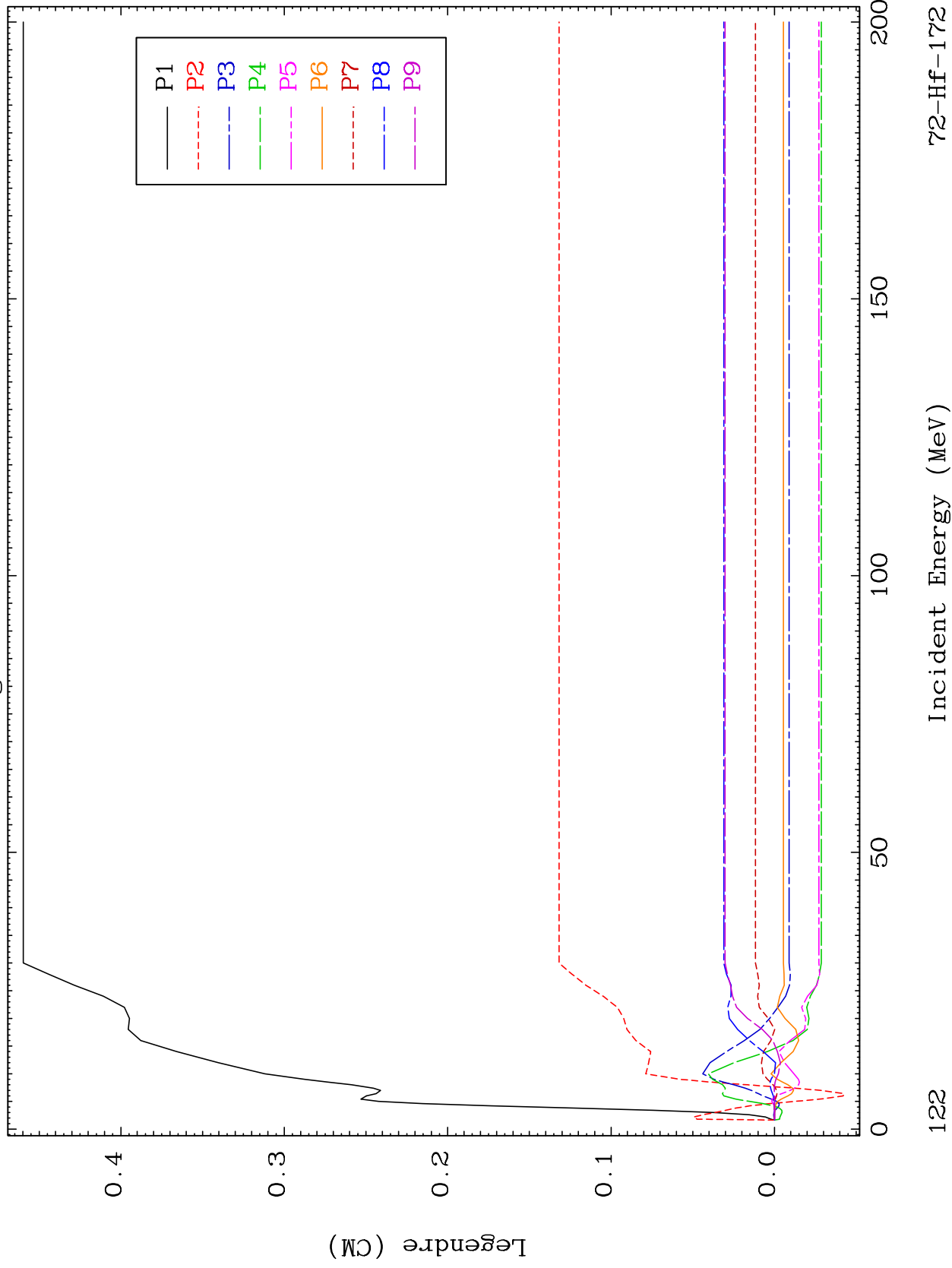




MAT 7219

1.621 MeV (n,n') Level
Legendre Coefficients

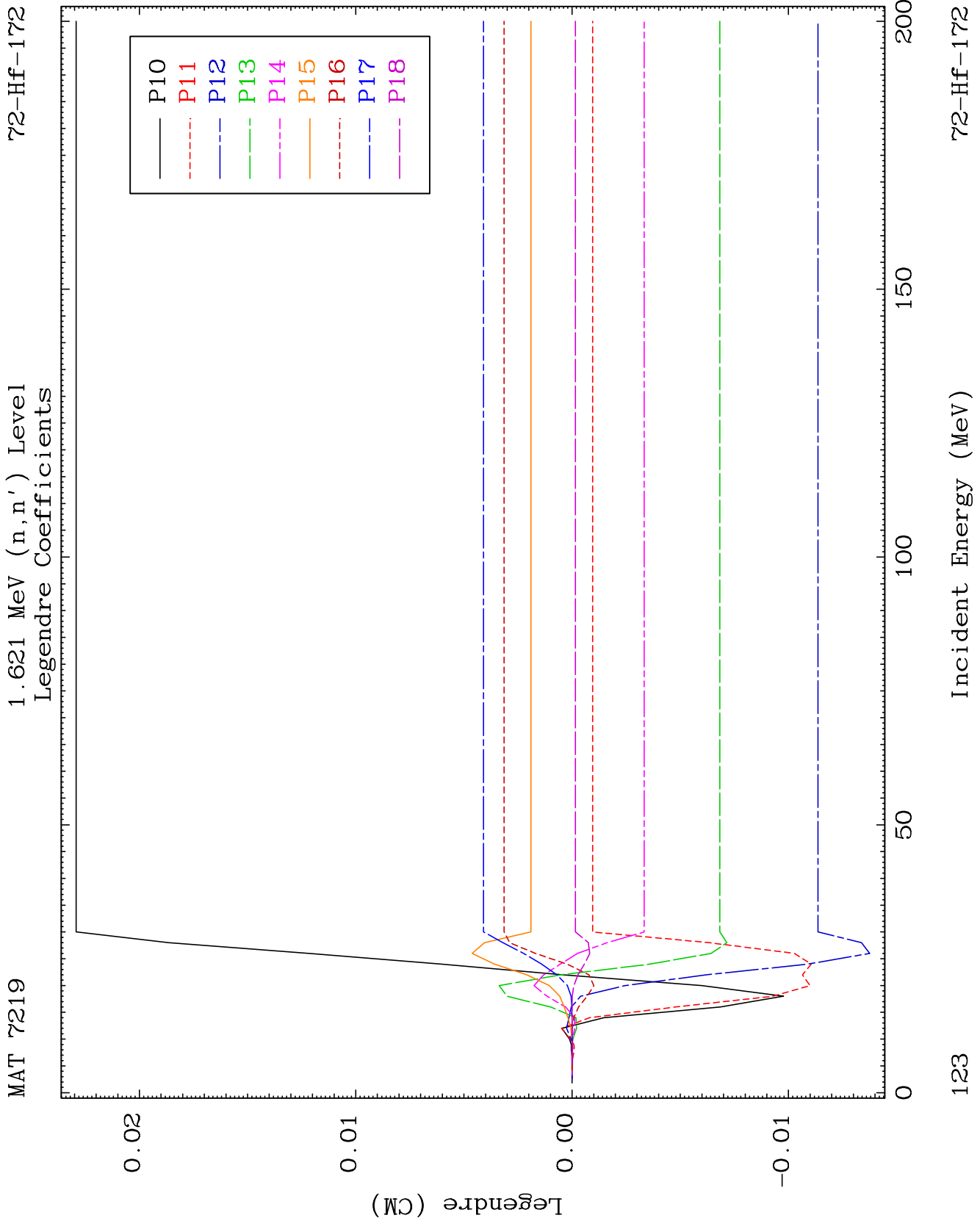
72-Hf-172

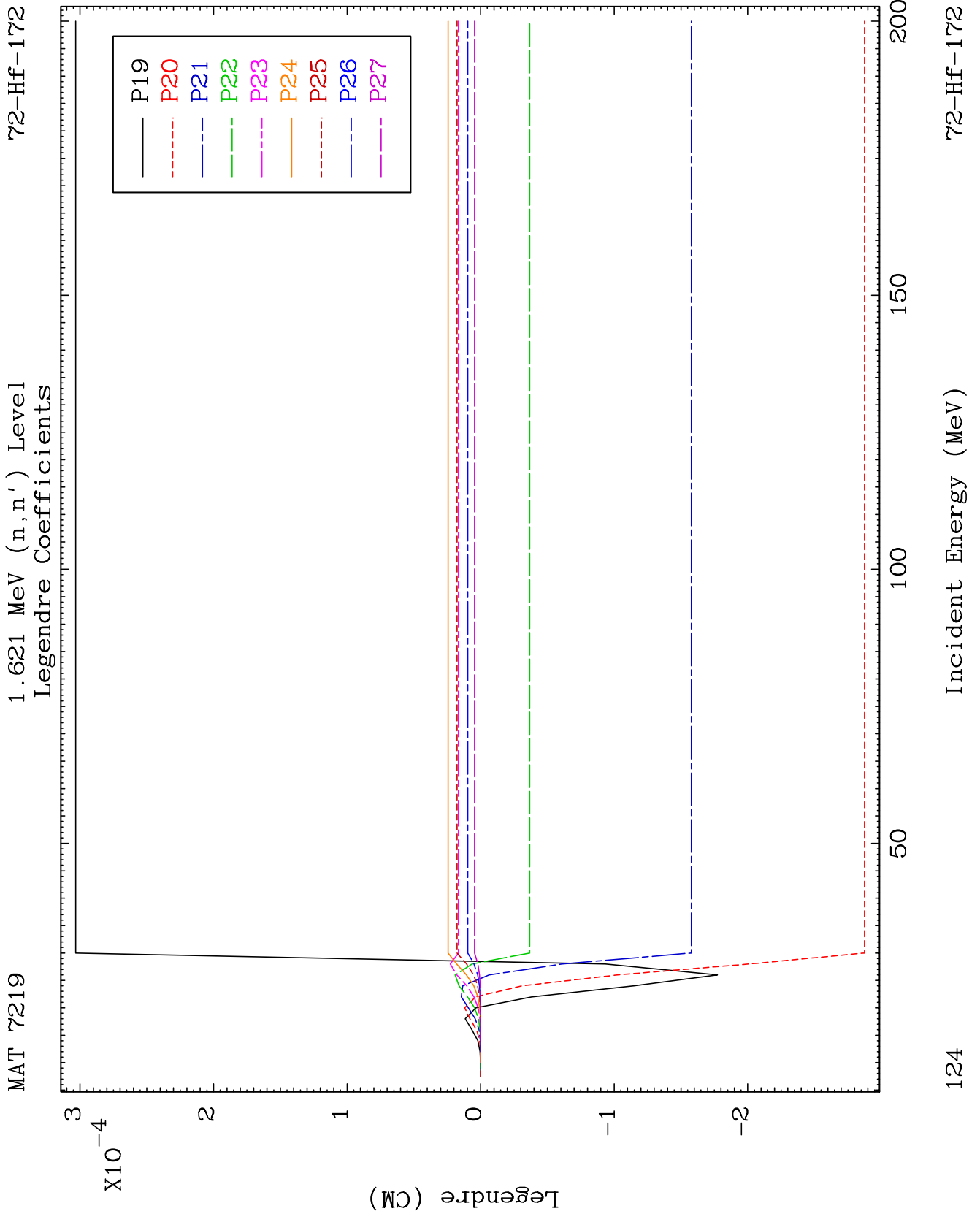


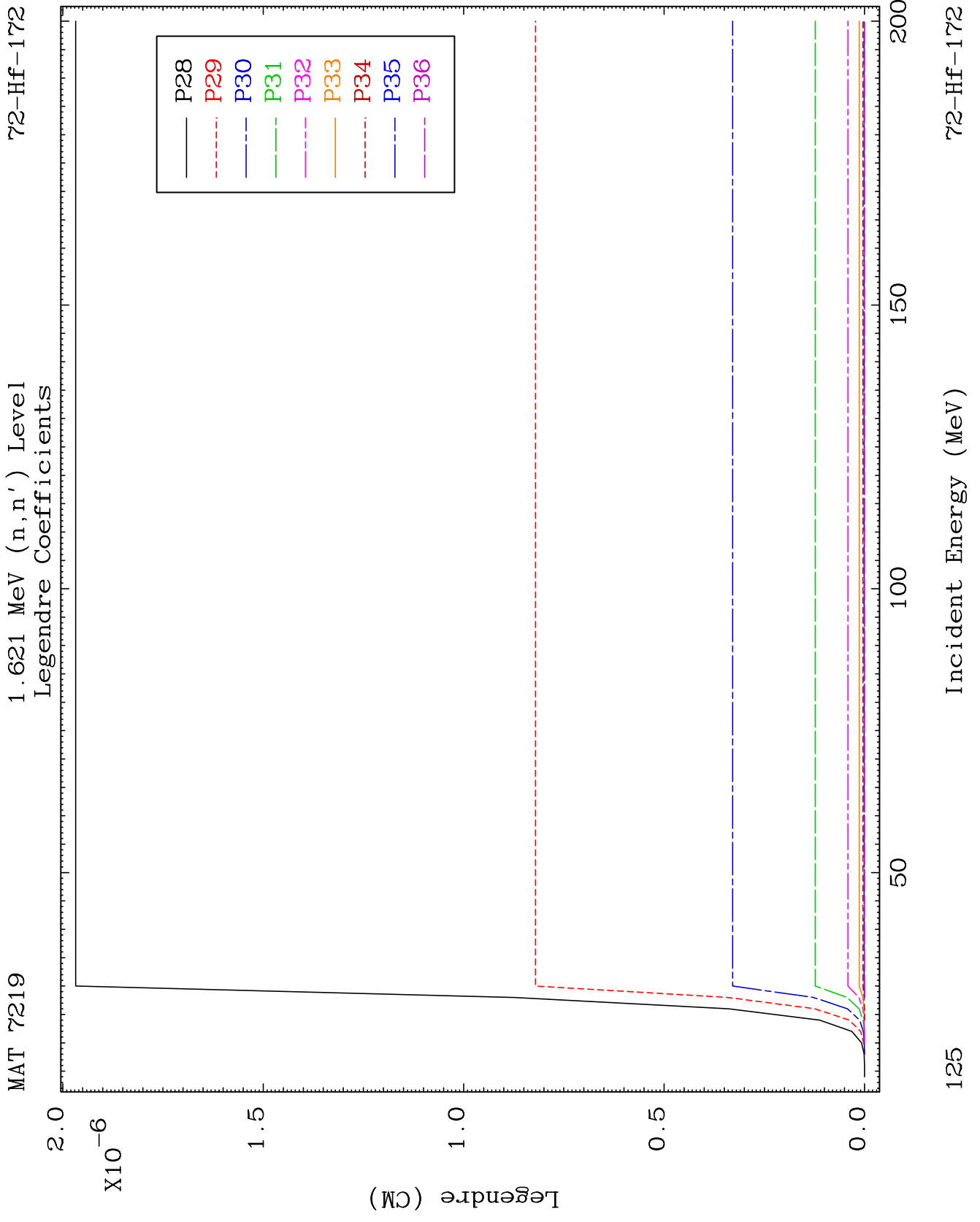
72-Hf-172

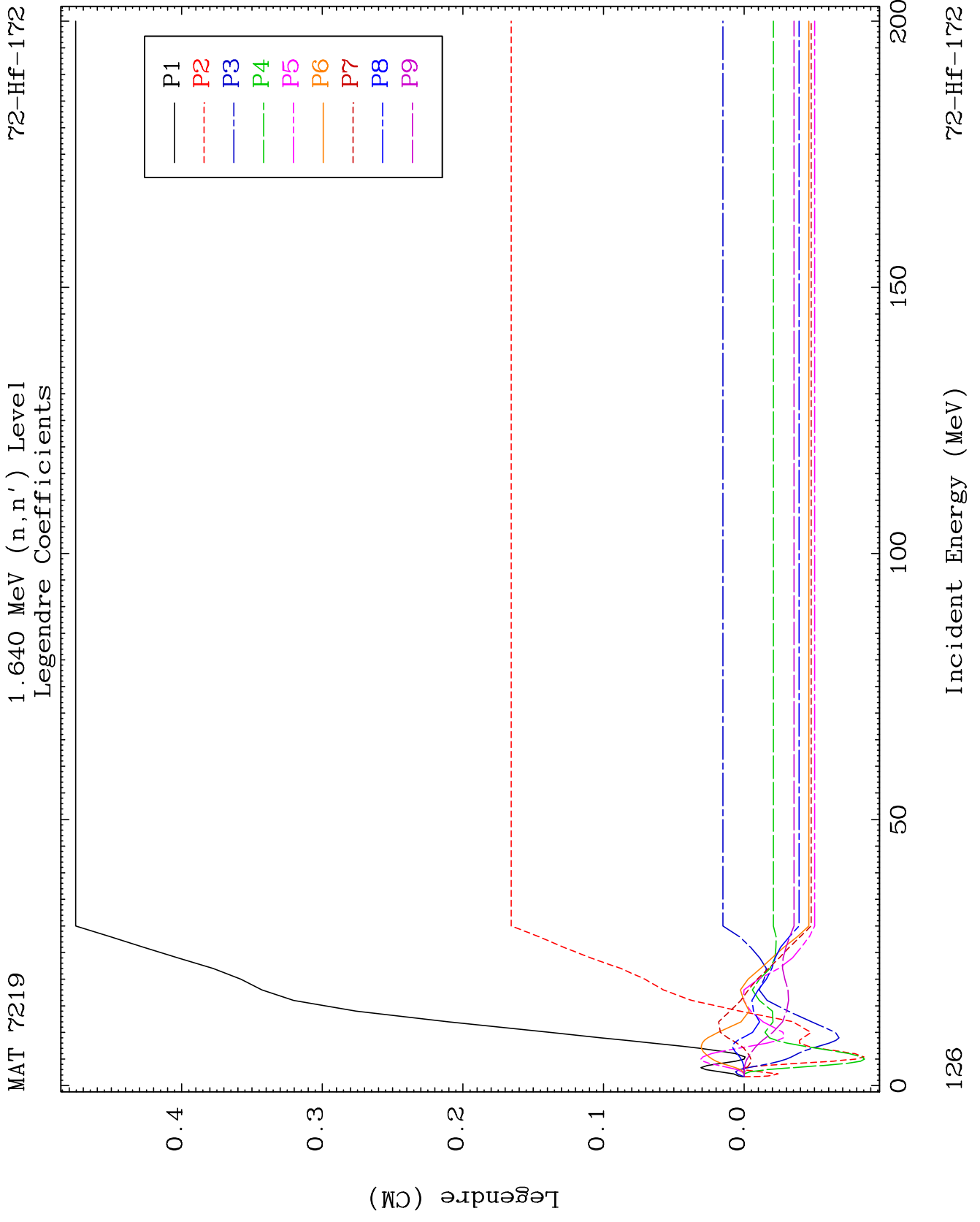
Incident Energy (MeV)

122





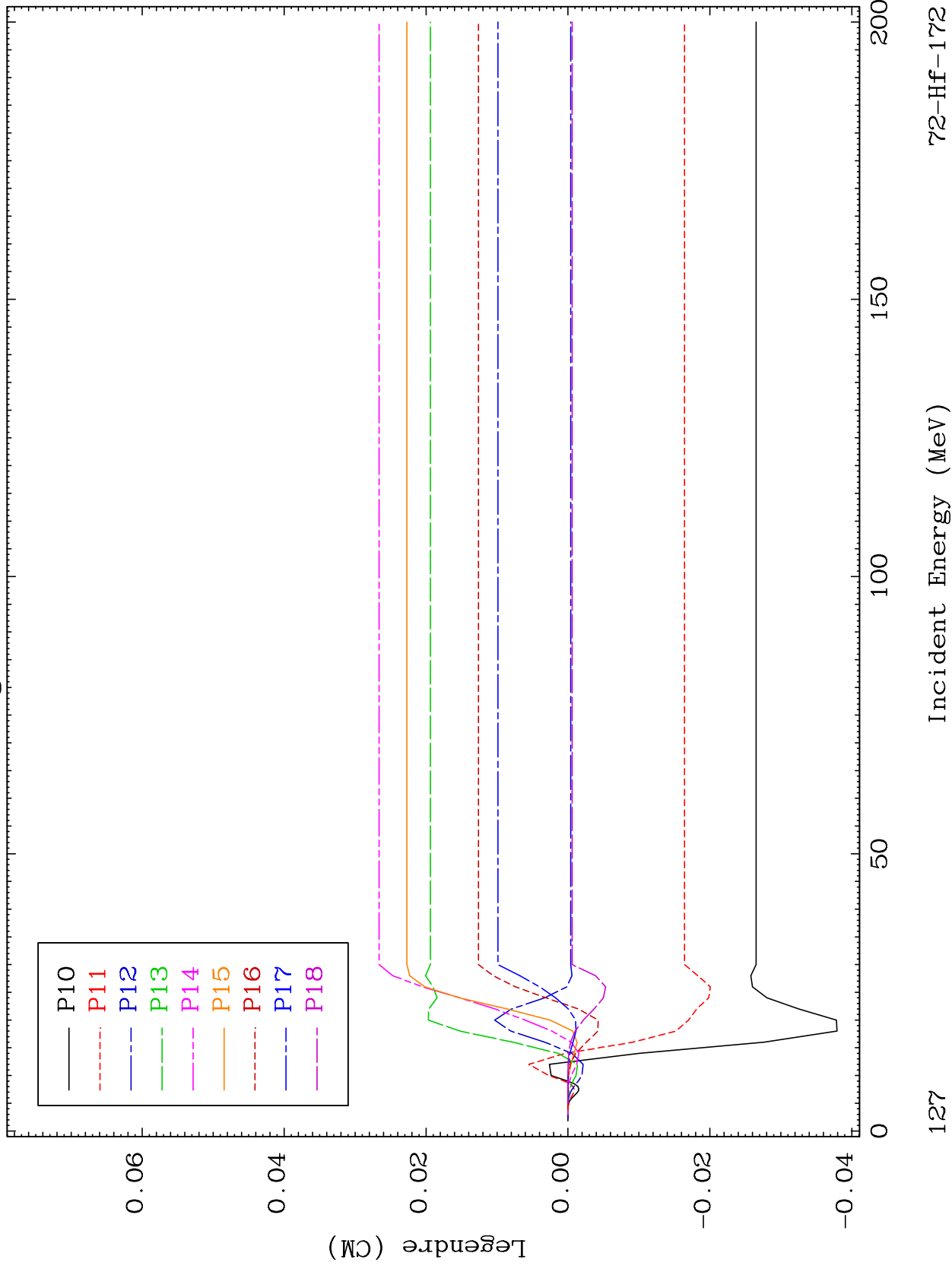




MAT 7219

1.640 MeV (n,n') Level
Legendre Coefficients

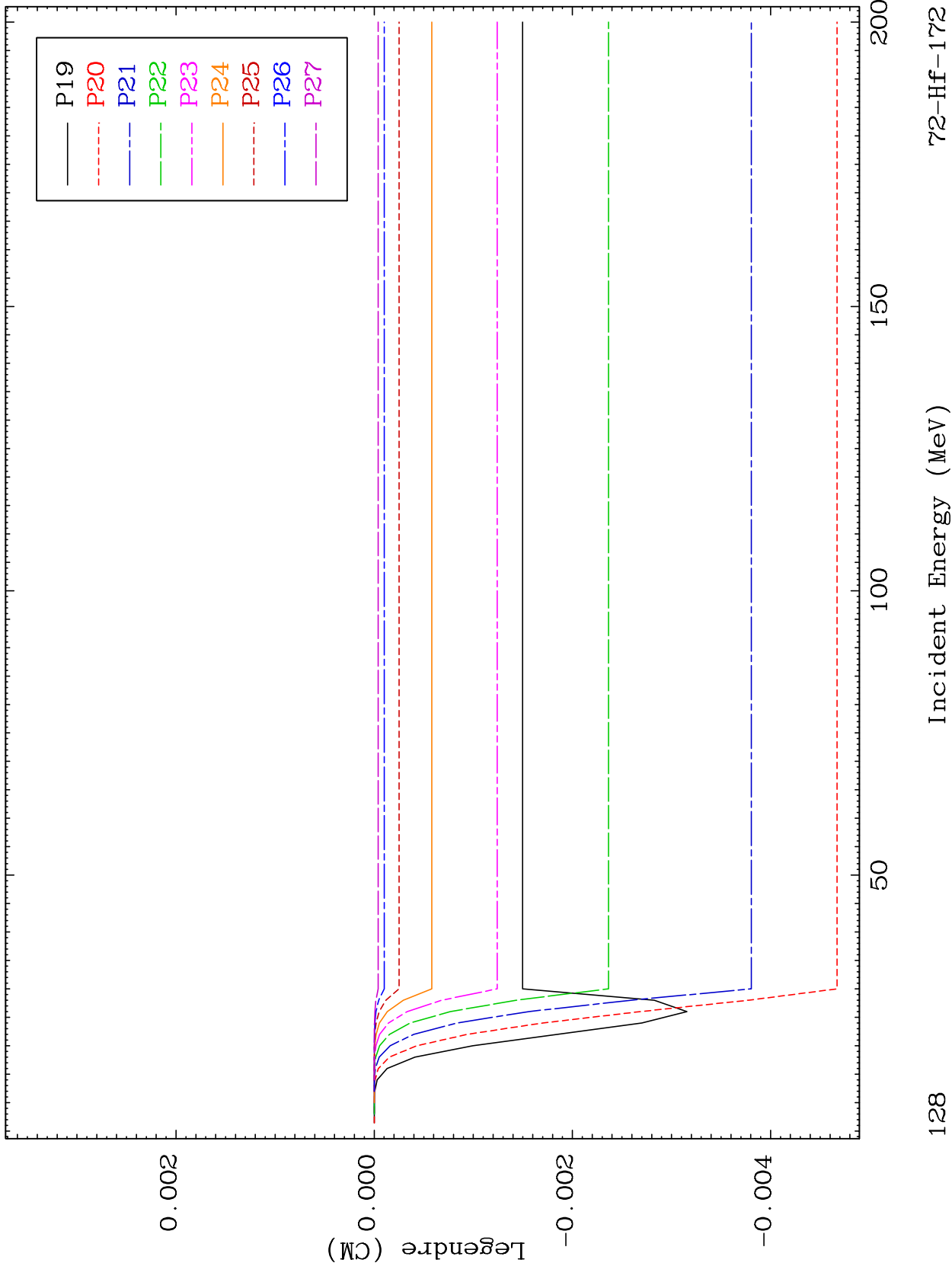
72-Hf-172

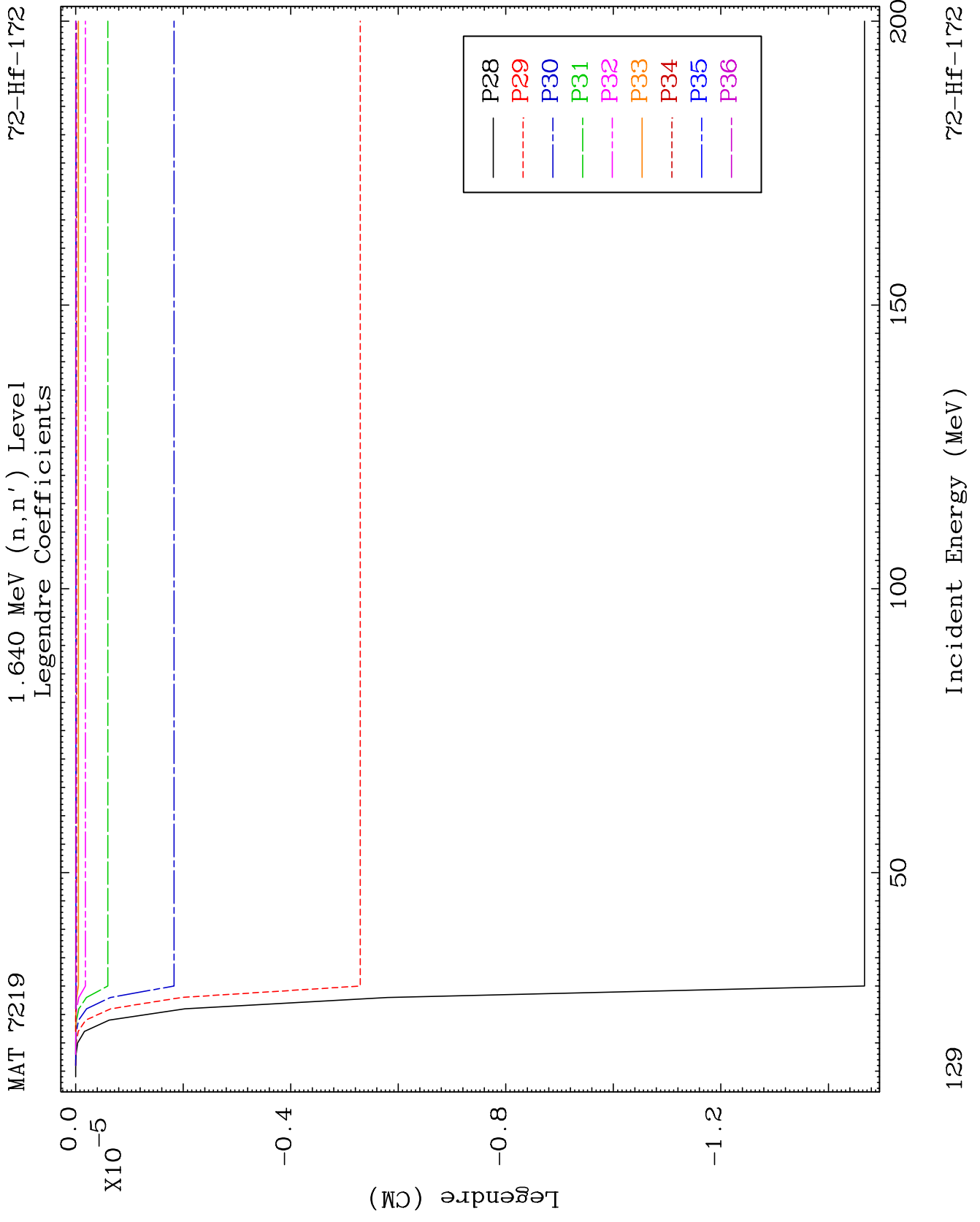


72-Hf-172

Incident Energy (MeV)

127



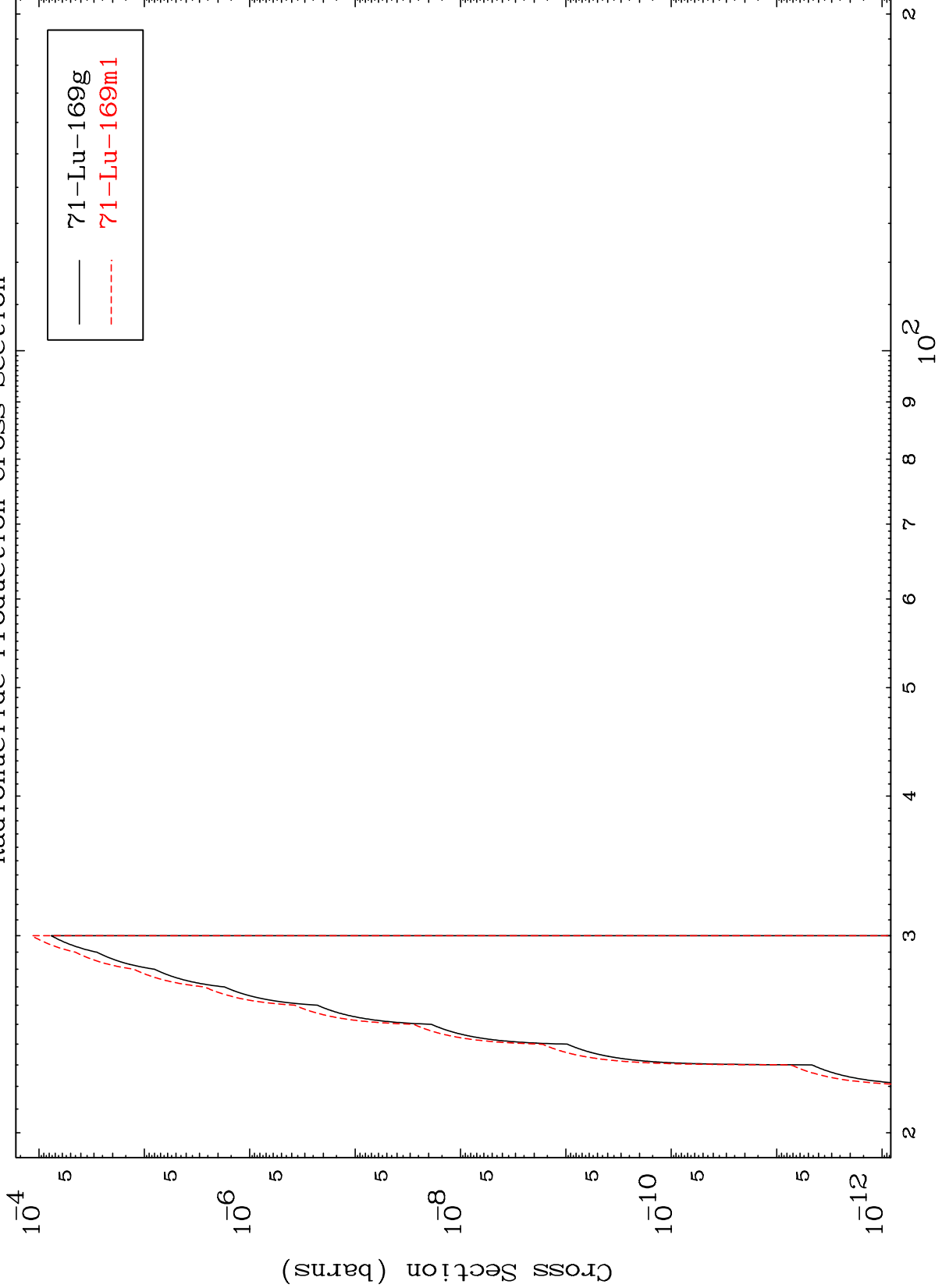


MAT 7219

(n,2n) d

72-Hf-172

Radionuclide Production Cross Section



130

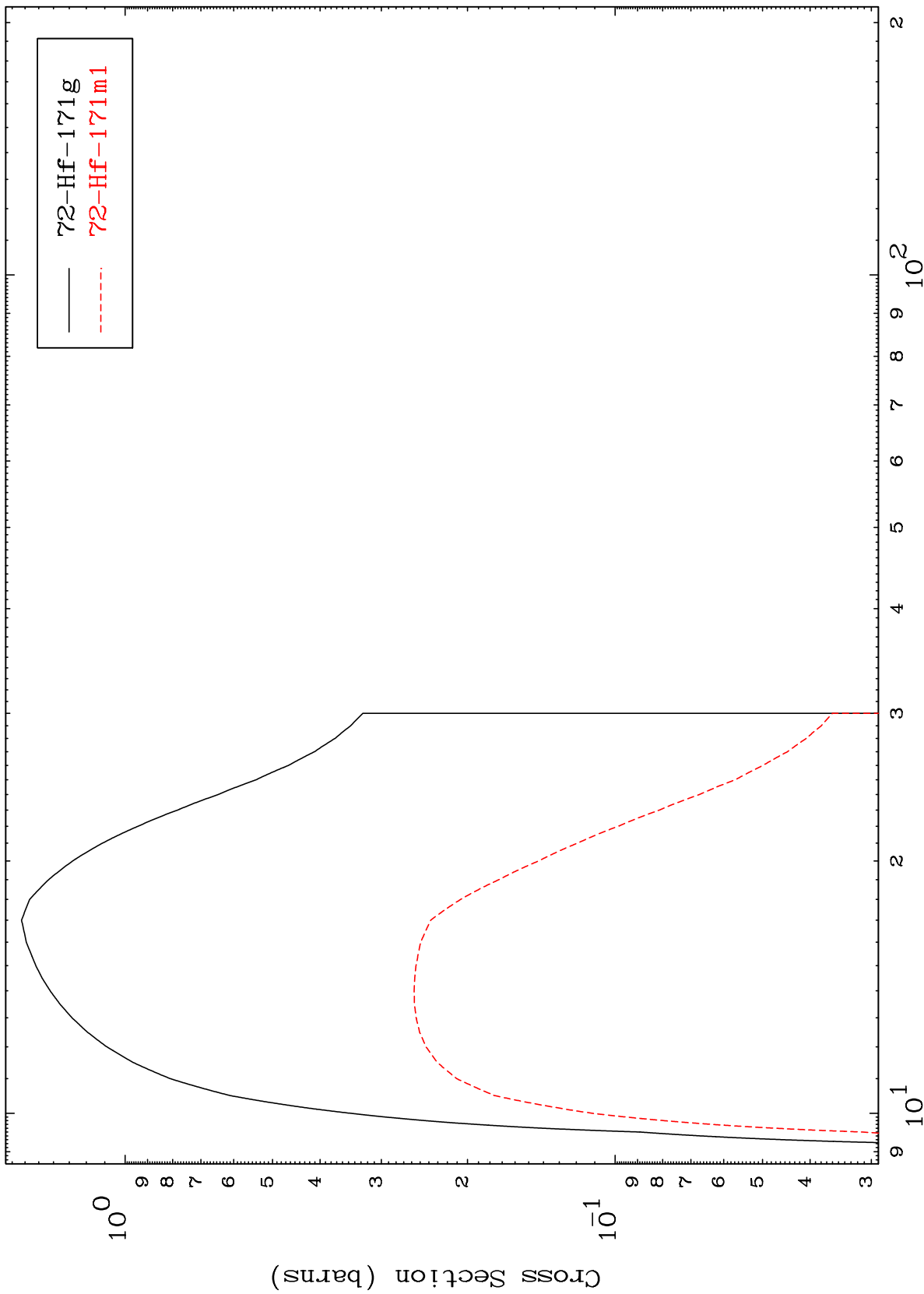
Incident Energy (MeV)

72-Hf-172

MAT 7219

72-Hf-172

(n,2n)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

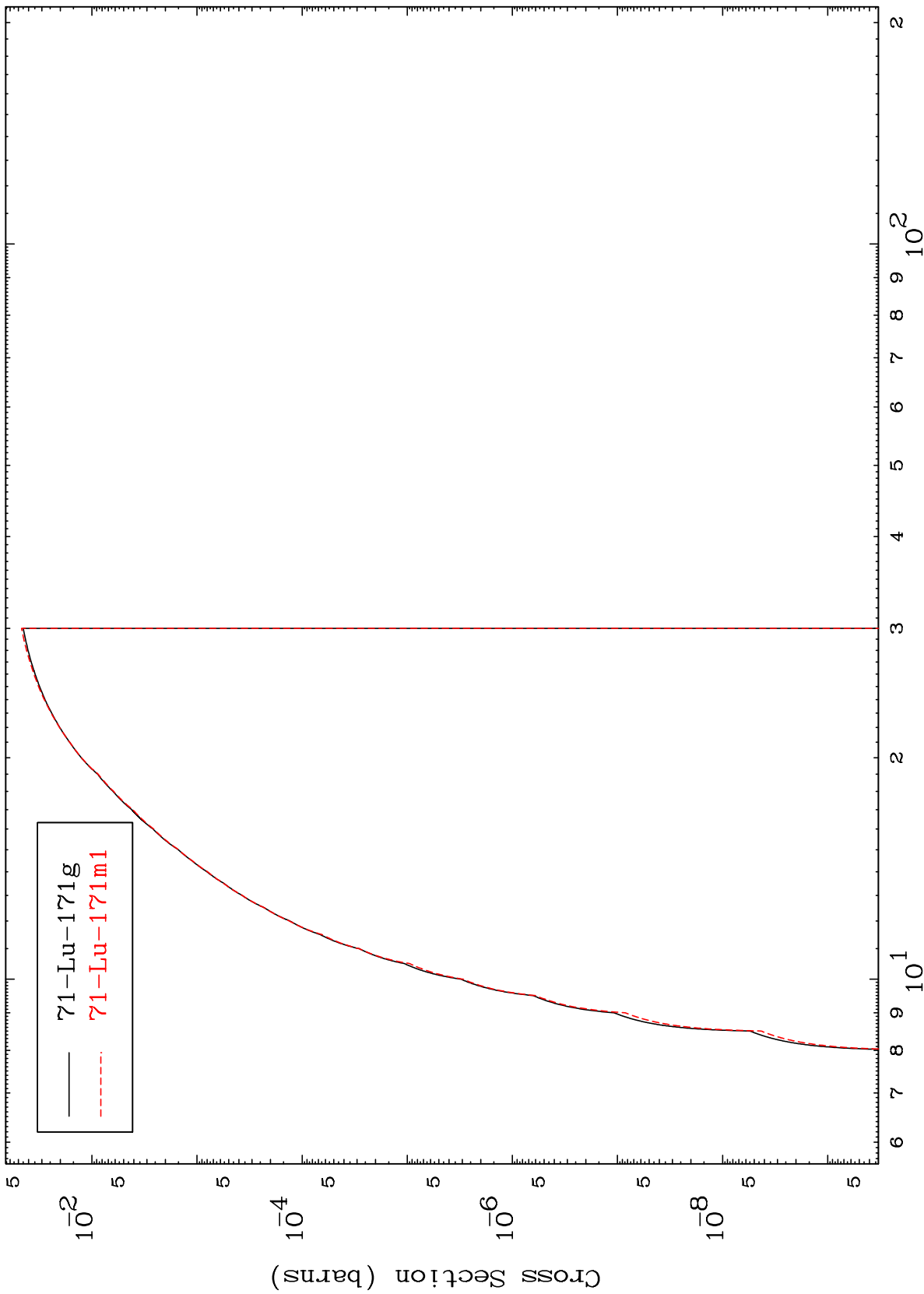
72-Hf-172

MAT 7219

(n,n') p

72-Hf-172

Radionuclide Production Cross Section

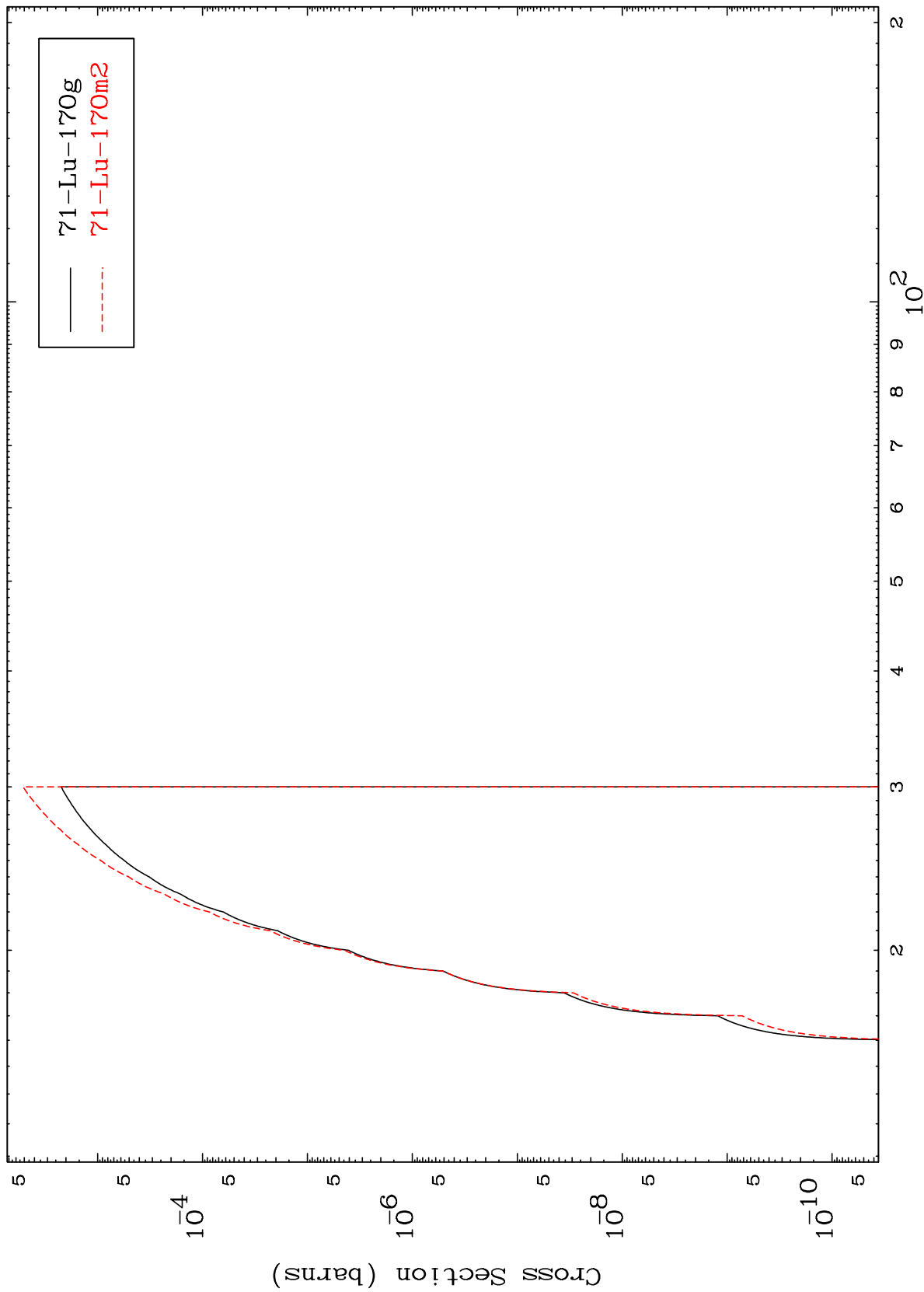


Incident Energy (MeV)

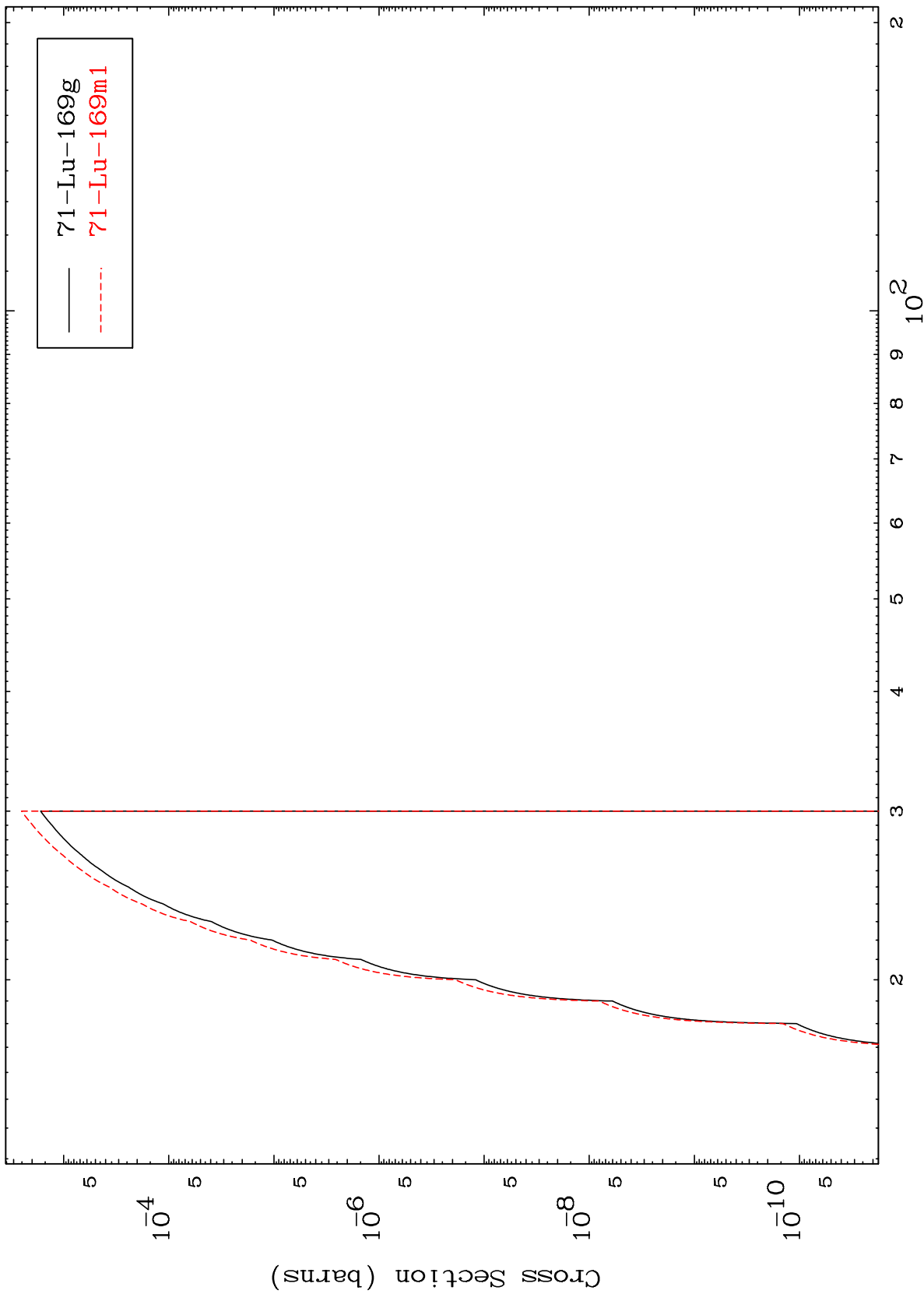
72-Hf-172

132

Radionuclide Production Cross Section



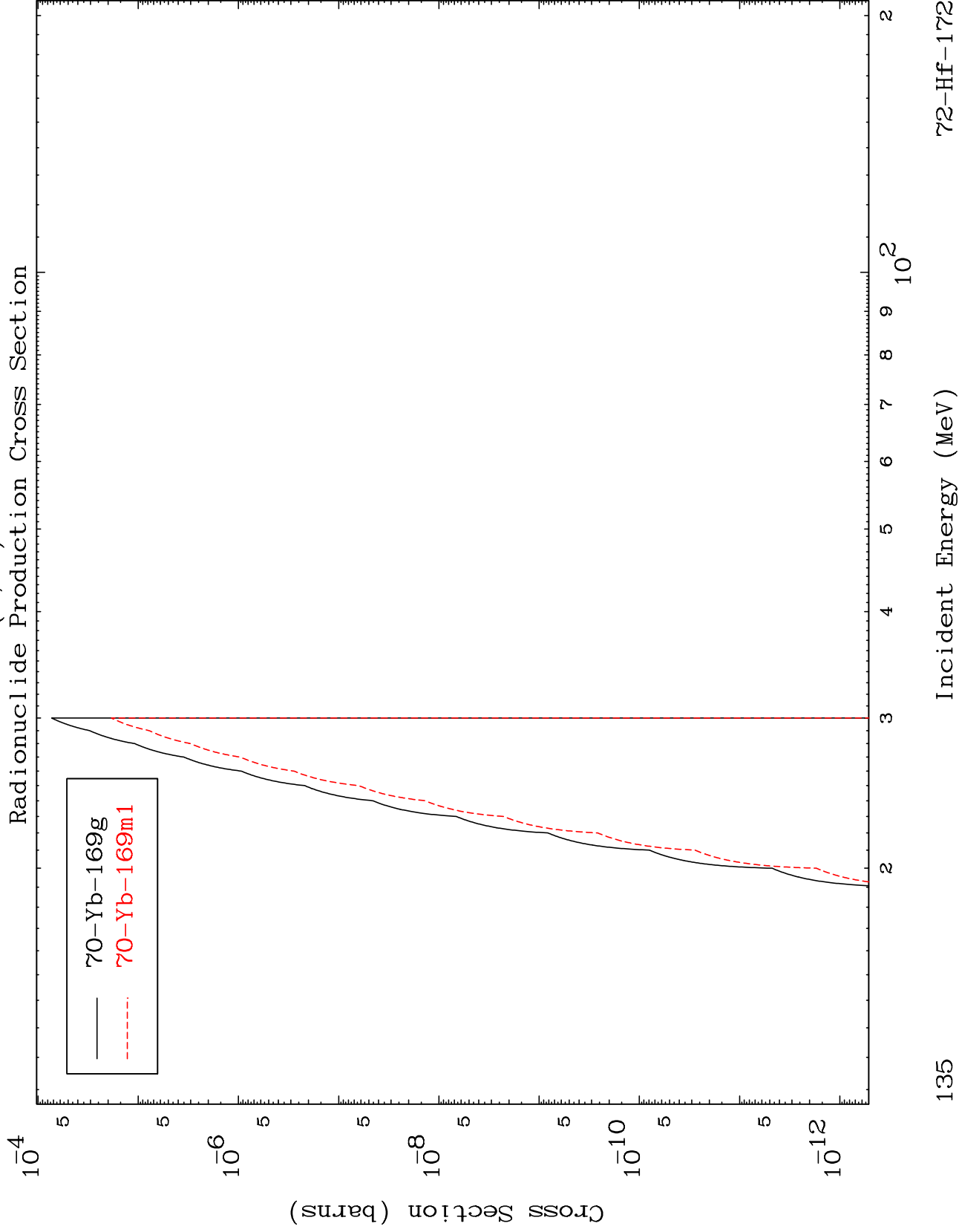
Radionuclide Production Cross Section



MAT 7219

(n,n') He-3

72-Hf-172

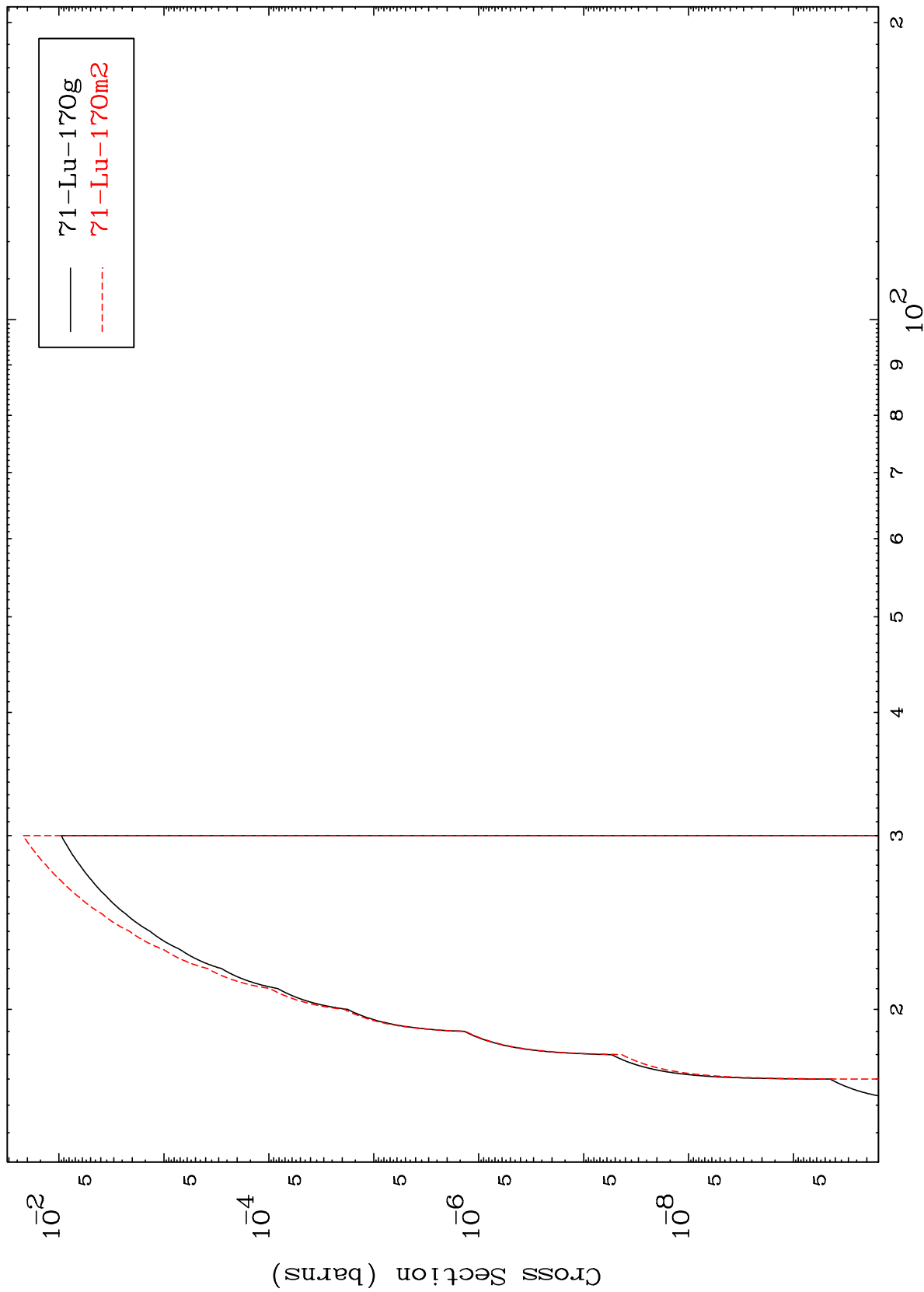


135

Incident Energy (MeV)

72-Hf-172

Radionuclide Production Cross Section

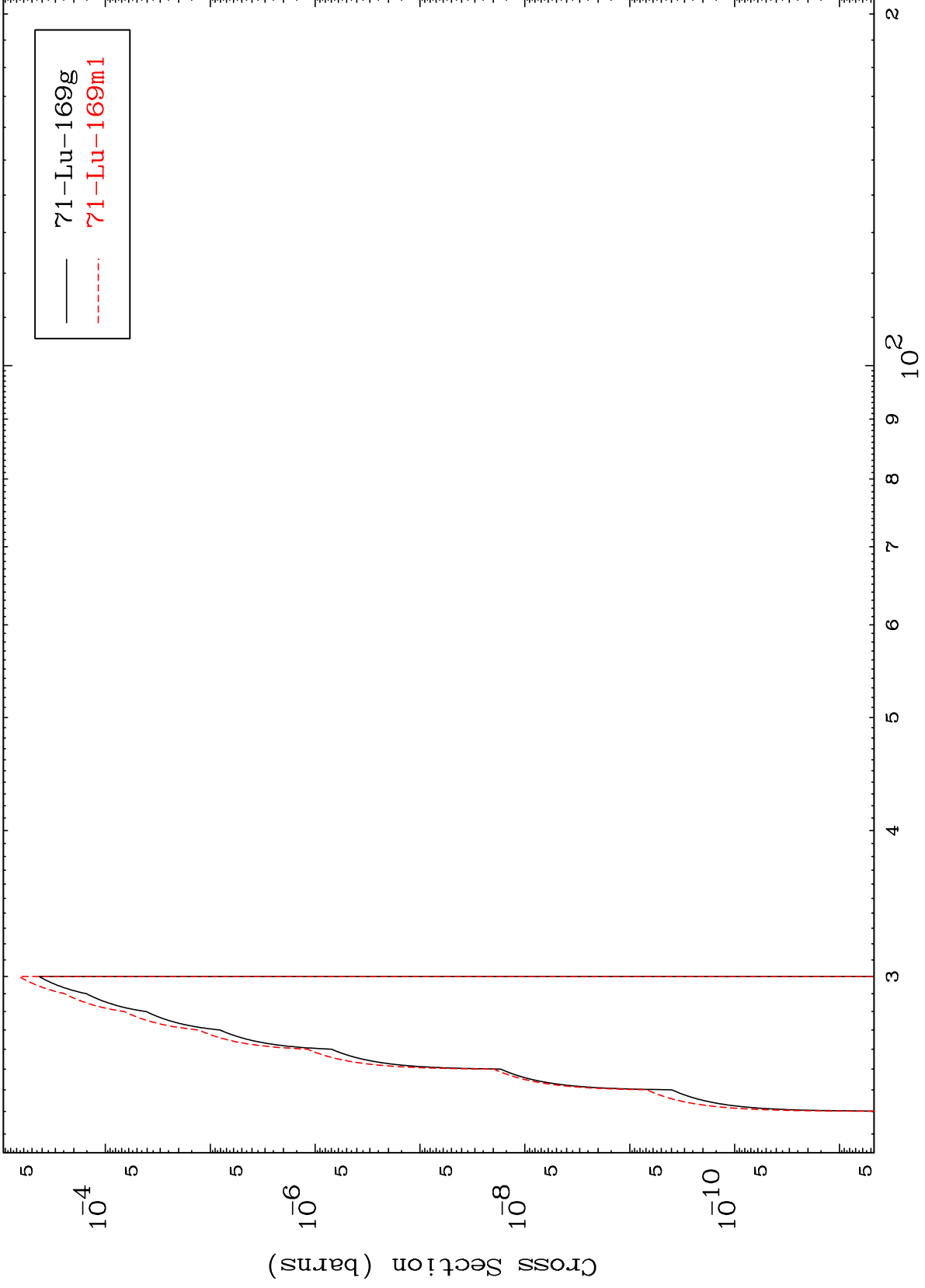


MAT 7219

(n,3n) p

72-Hf-172

Radionuclide Production Cross Section



137

Incident Energy (MeV)

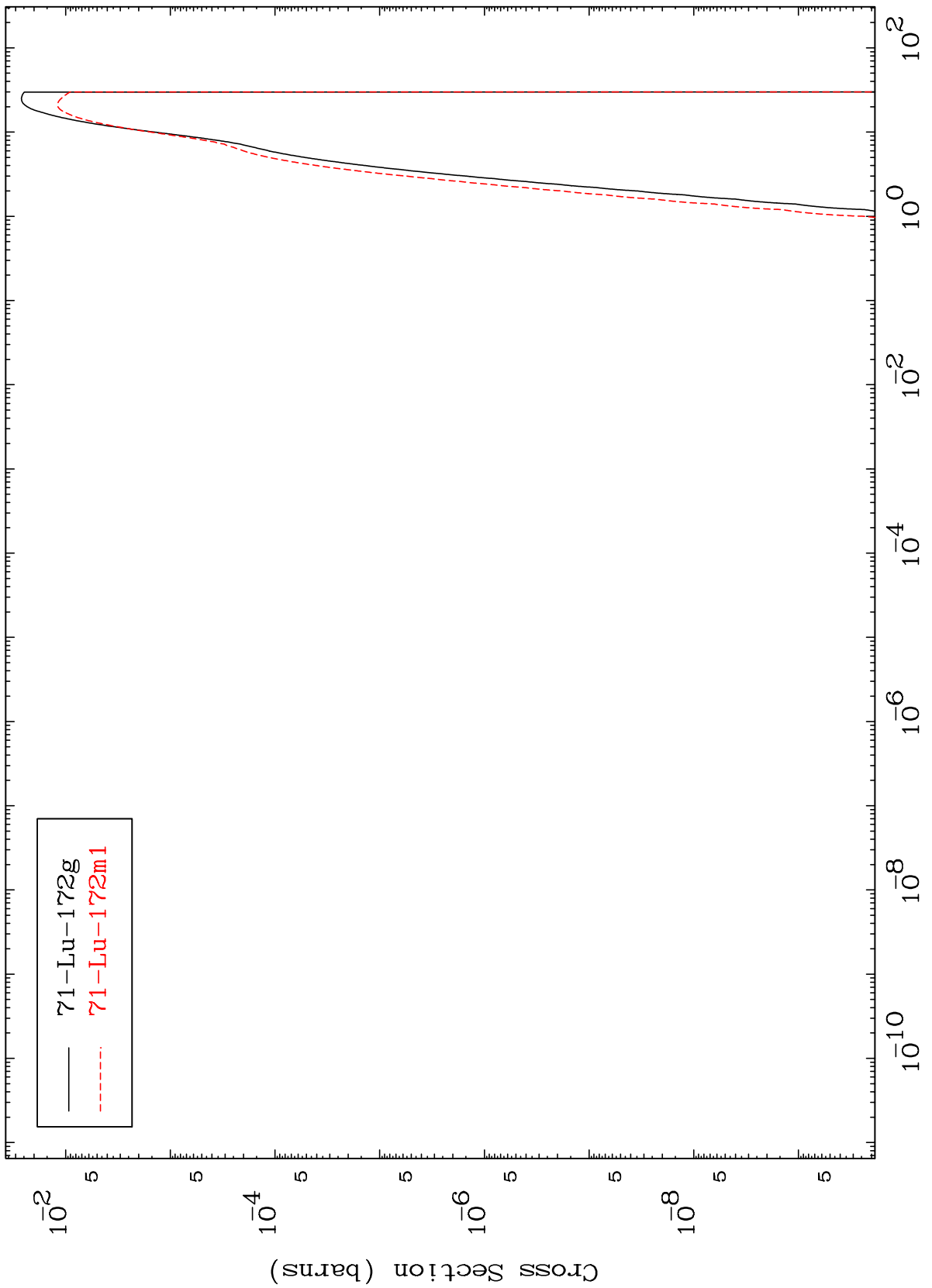
72-Hf-172

MAT 7219

(n,p)

72-Hf-172

Radionuclide Production Cross Section

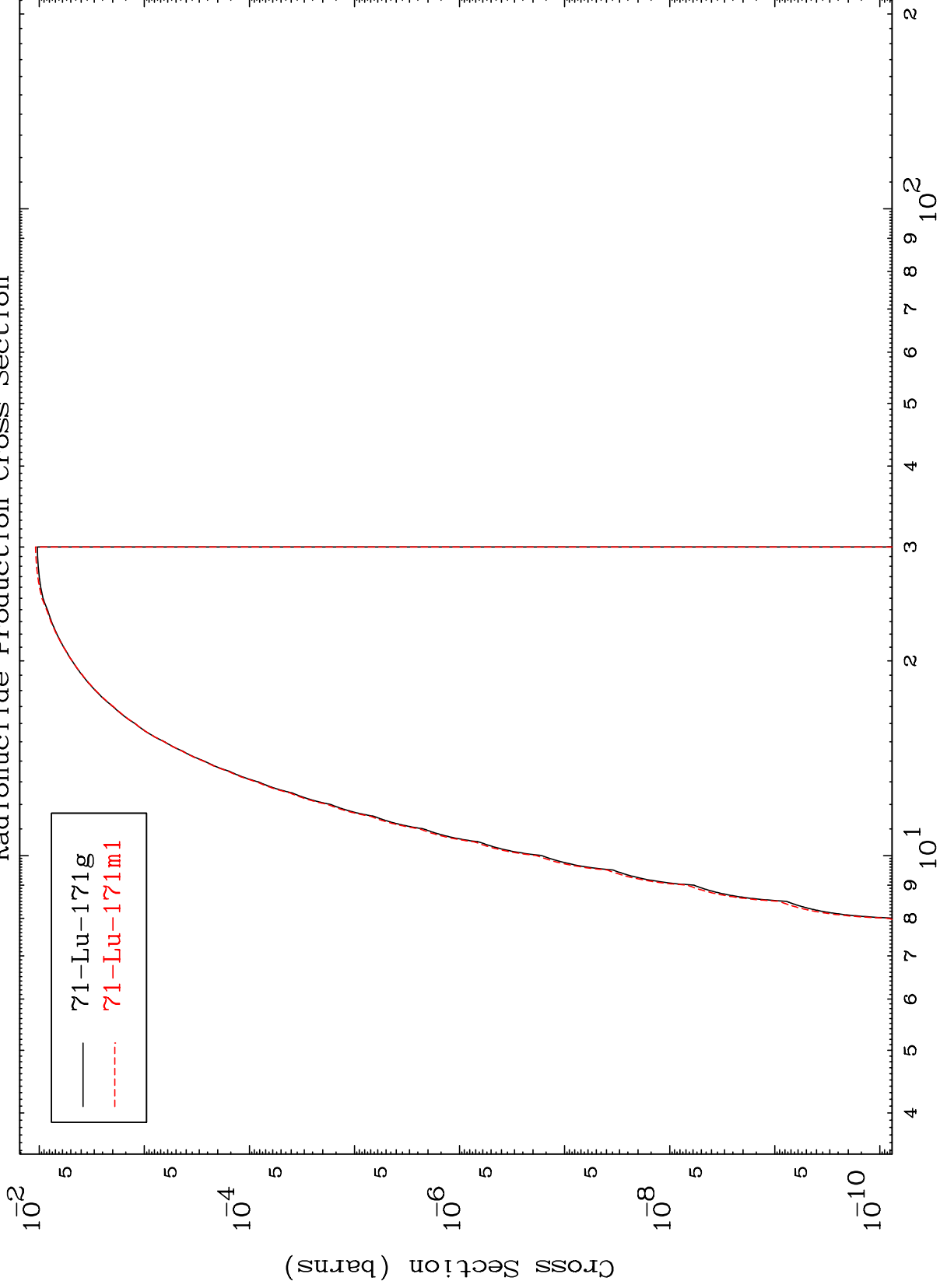


— 71-Lu-172g
- - - 71-Lu-172m1

MAT 7219

72-Hf-172

Radionuclide Production Cross Section



139

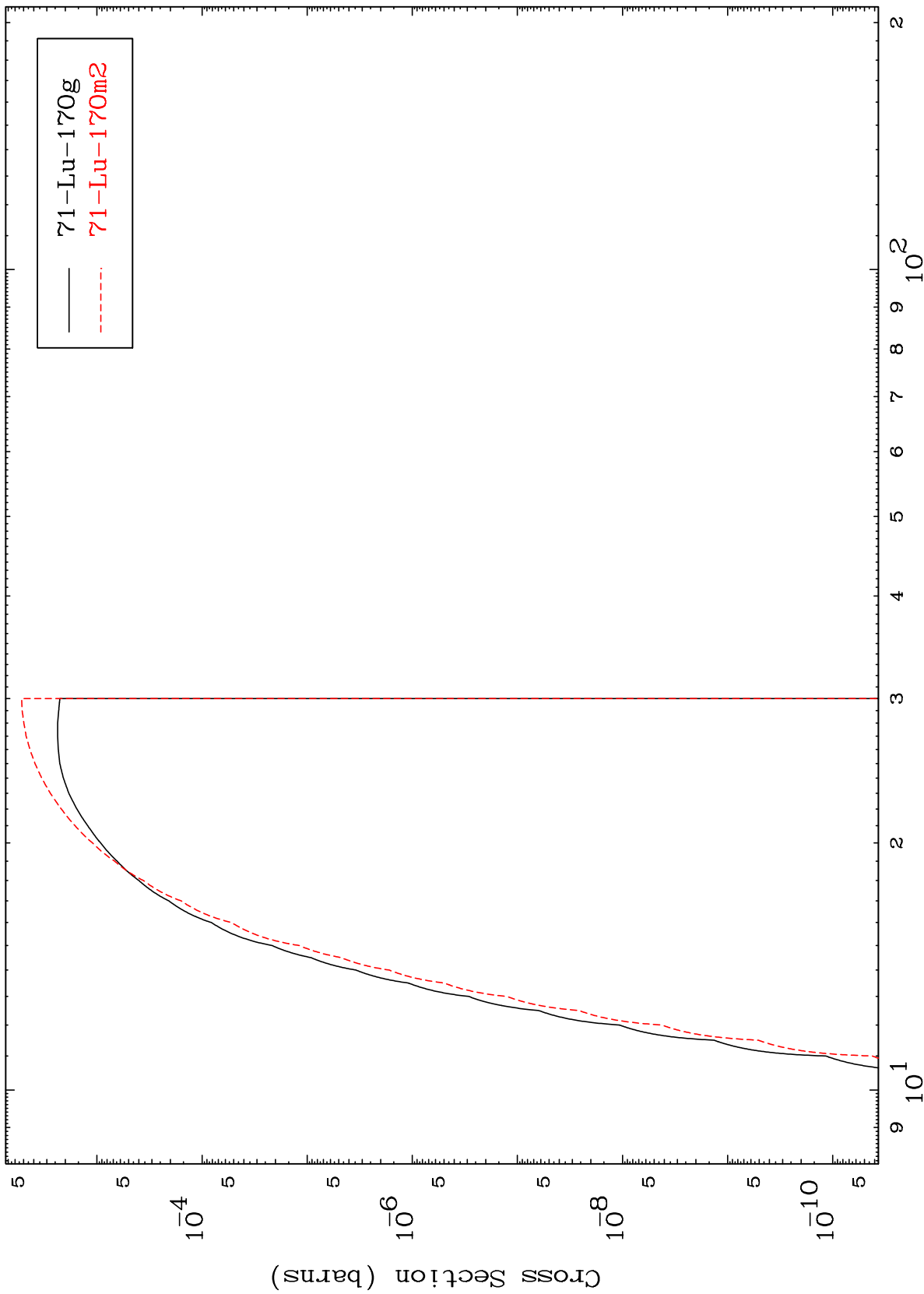
Incident Energy (MeV)

72-Hf-172

MAT 7219

72-Hf-172

(n,t)
Radionuclide Production Cross Section



72-Hf-172

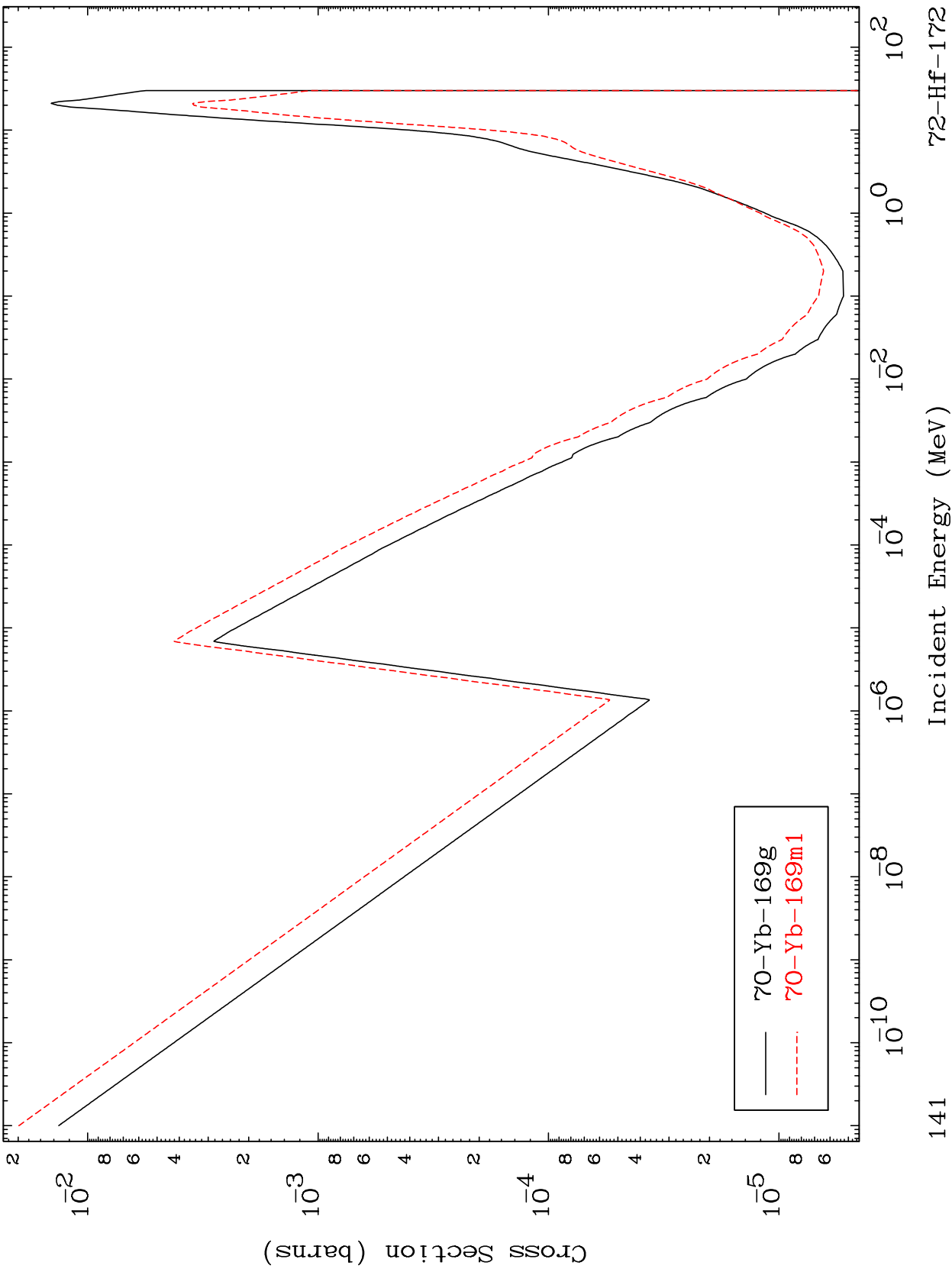
Incident Energy (MeV)

140

MAT 7219

72-Hf-172

Radionuclide Production Cross Section (n, α)

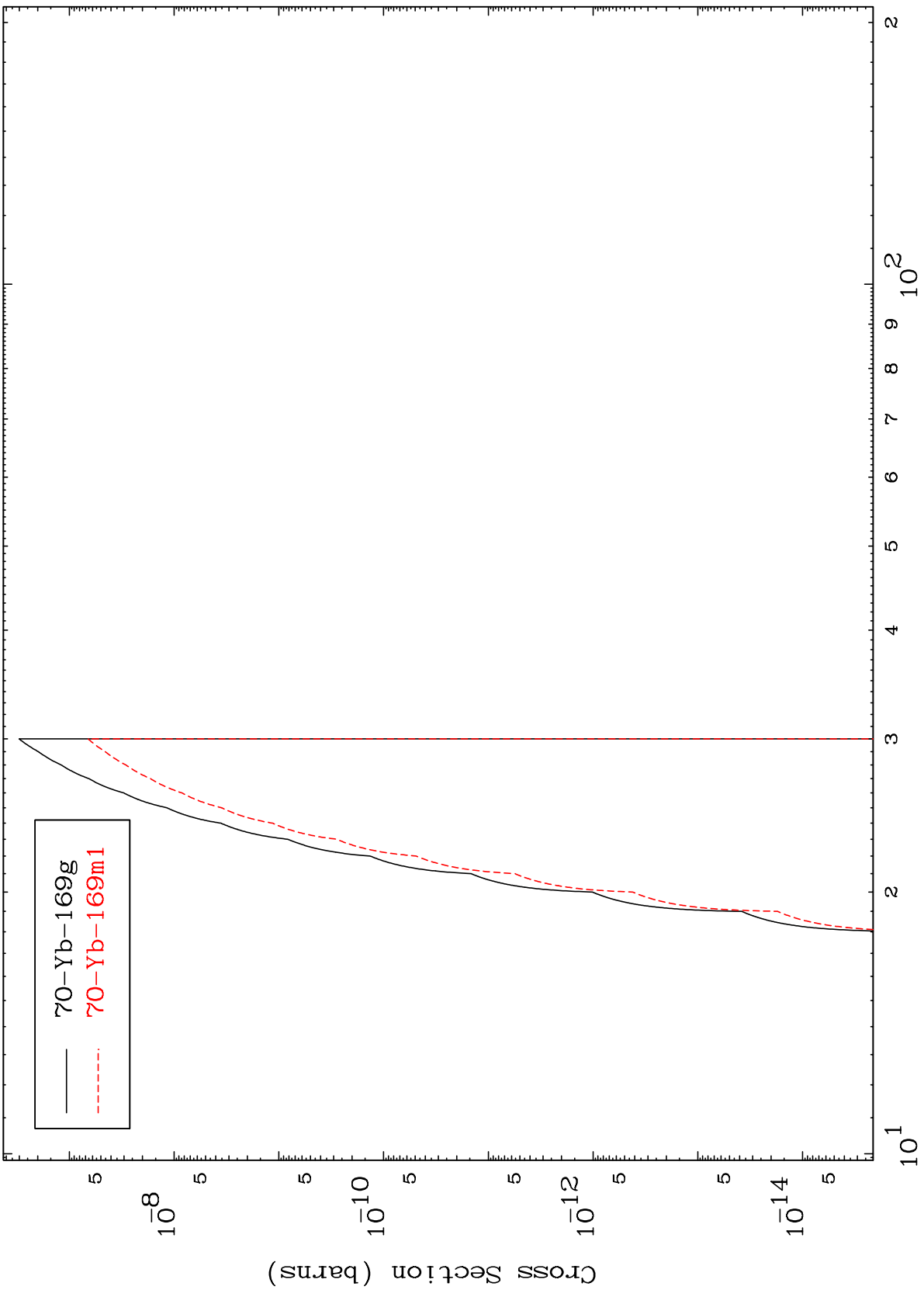


MAT 7219

(n,p) t

72-Hf-172

Radionuclide Production Cross Section



142

Incident Energy (MeV)

72-Hf-172