

Program EVALPLOT
(Version 2015-2)

by

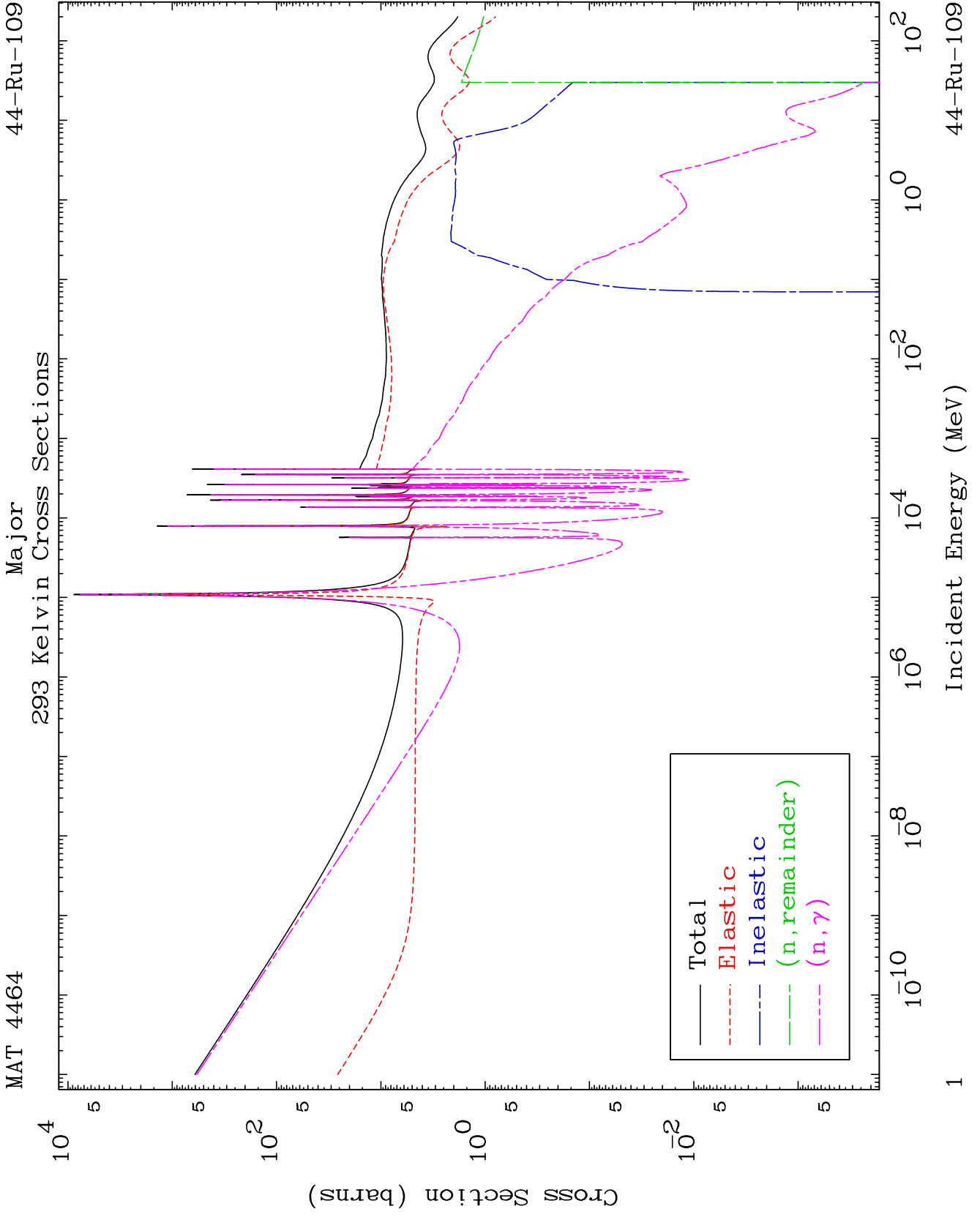
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
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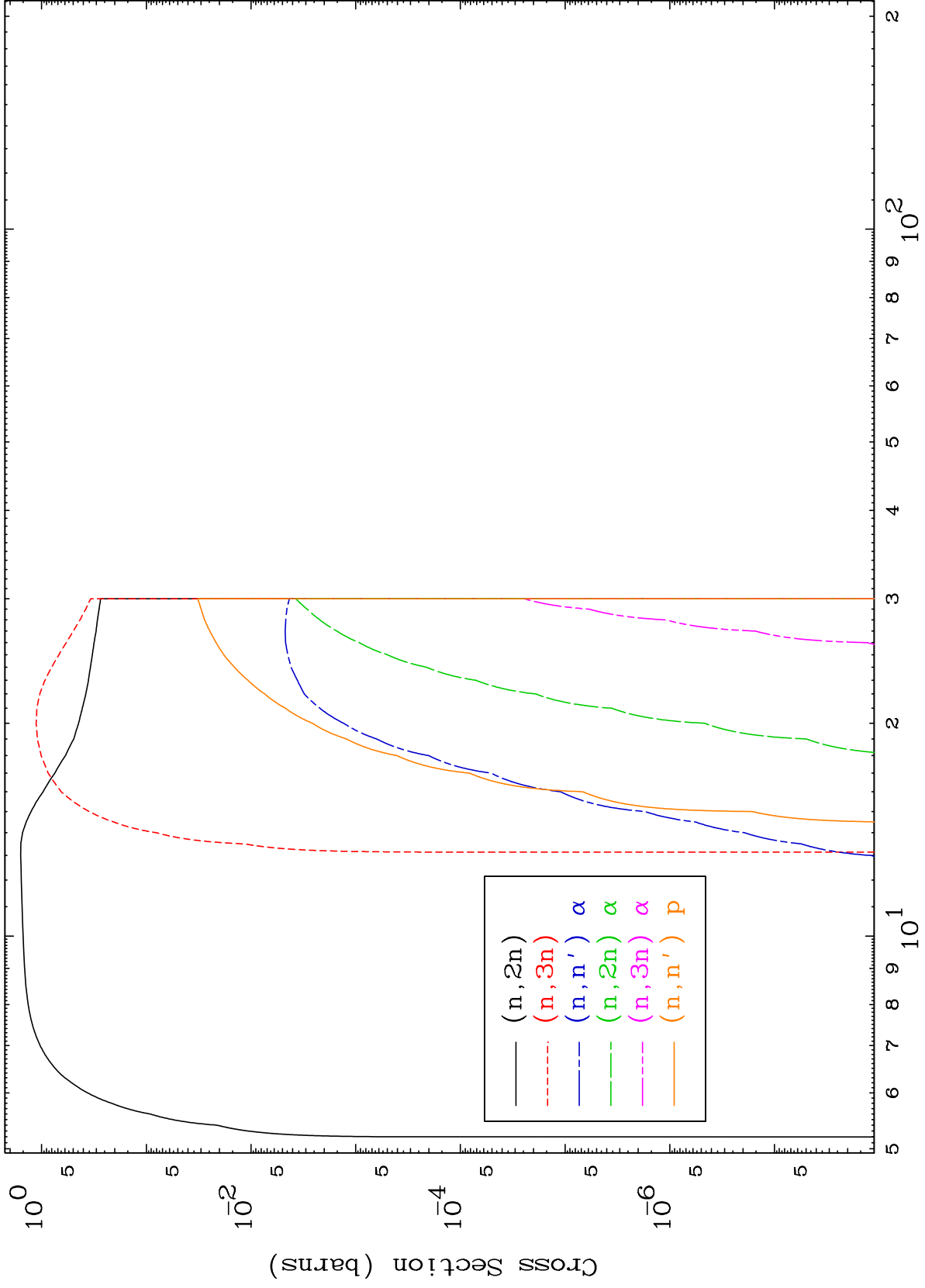
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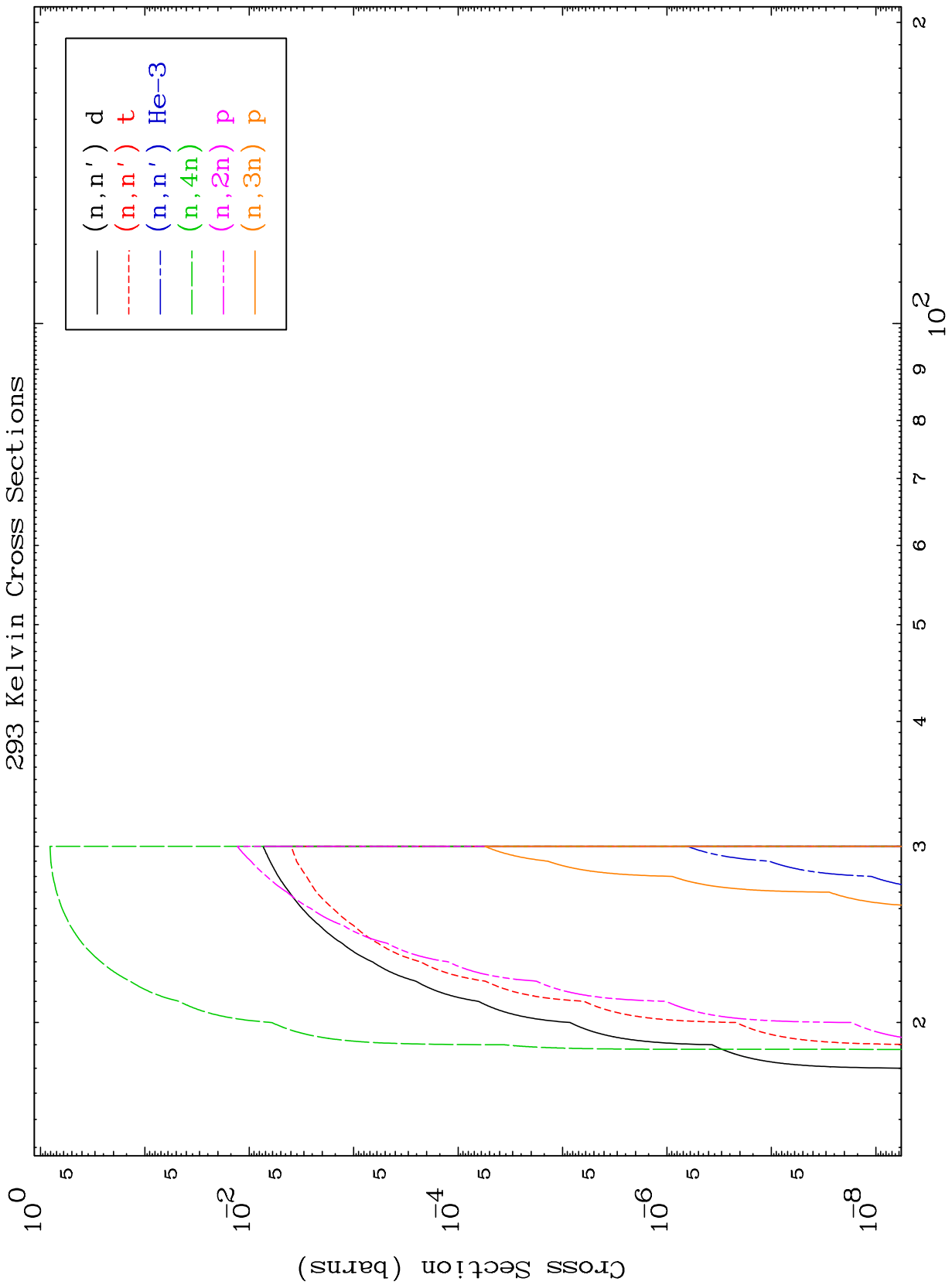


MAT 4464

Neutron Production
293 Kelvin Cross Sections

44-Ru-109

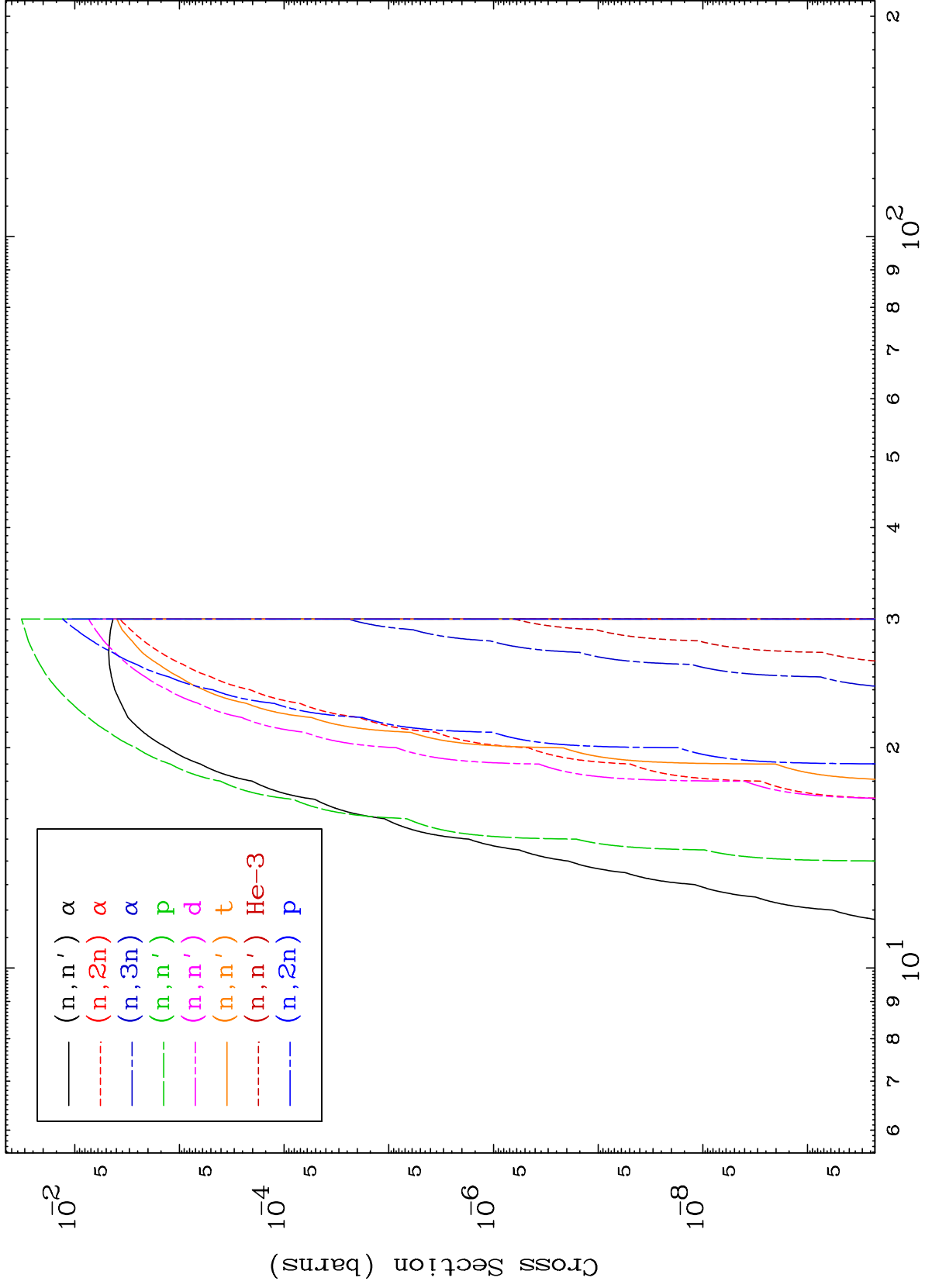




MAT 4464

Charged Particle
293 Kelvin Cross Sections

44-Ru-109



4

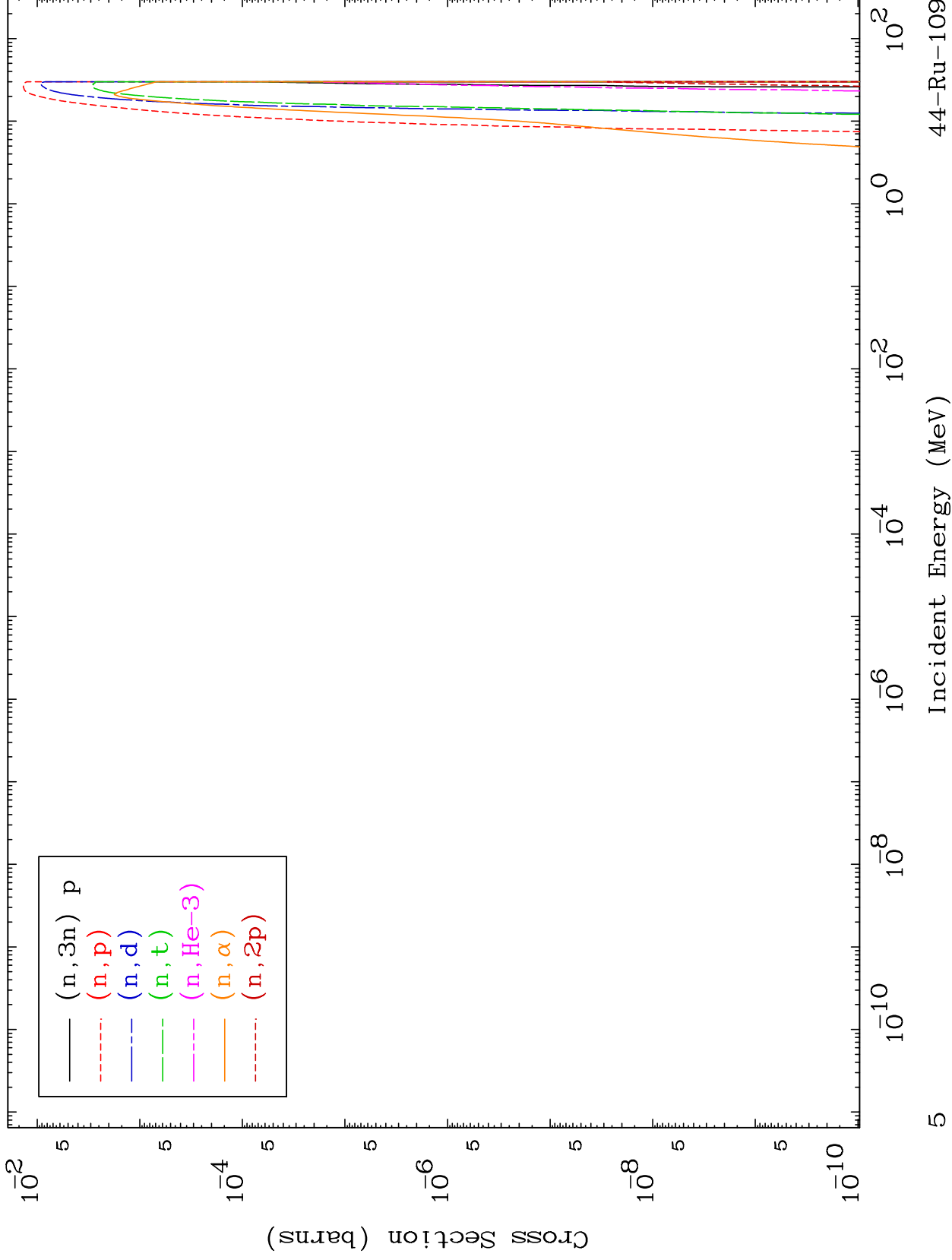
Incident Energy (MeV)

44-Ru-109

MAT 4464

Charged Particle
293 Kelvin Cross Sections

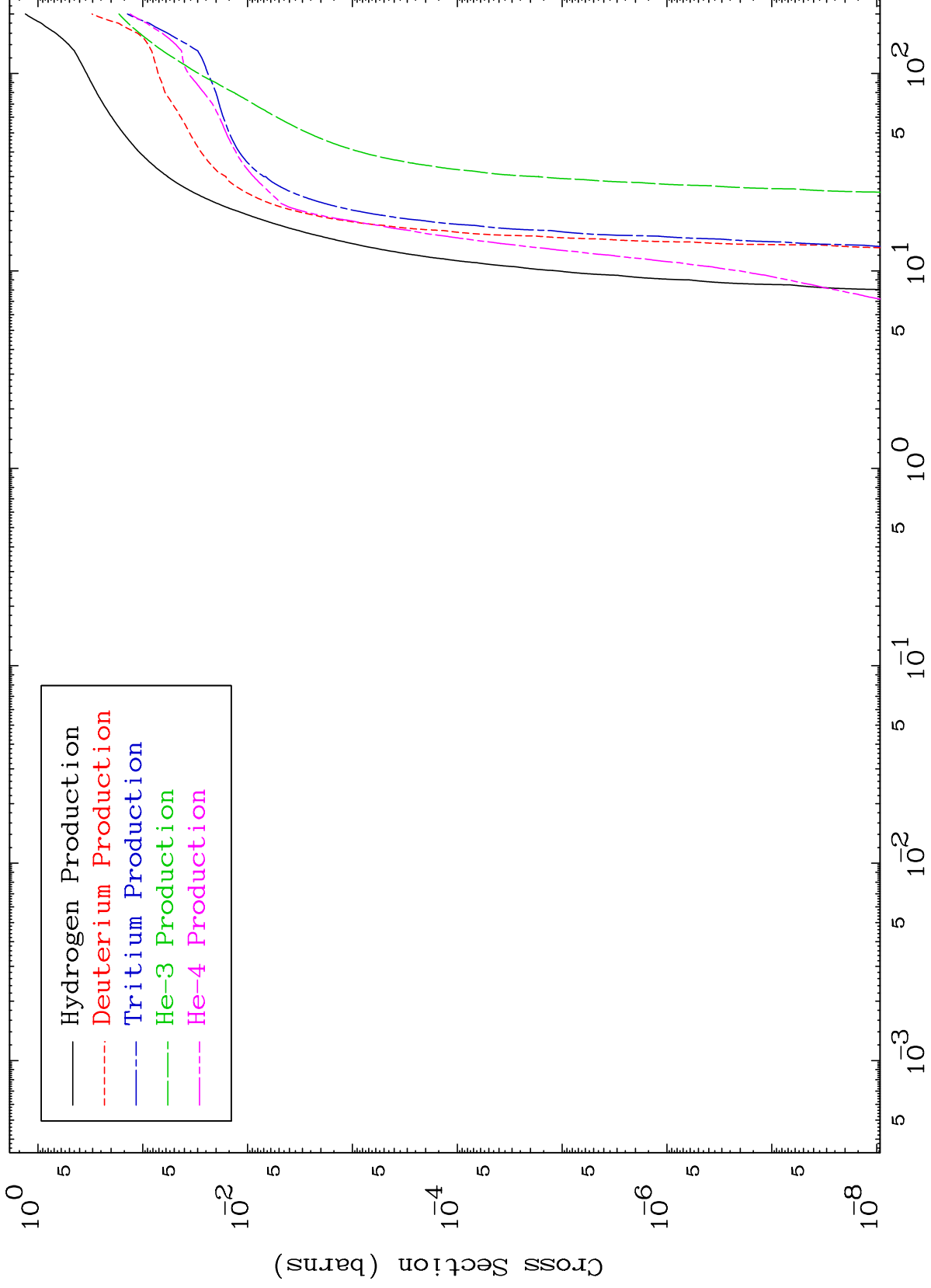
44-Ru-109



MAT 4464

Particle Production
293 Kelvin Cross Sections

44-Ru-109



6

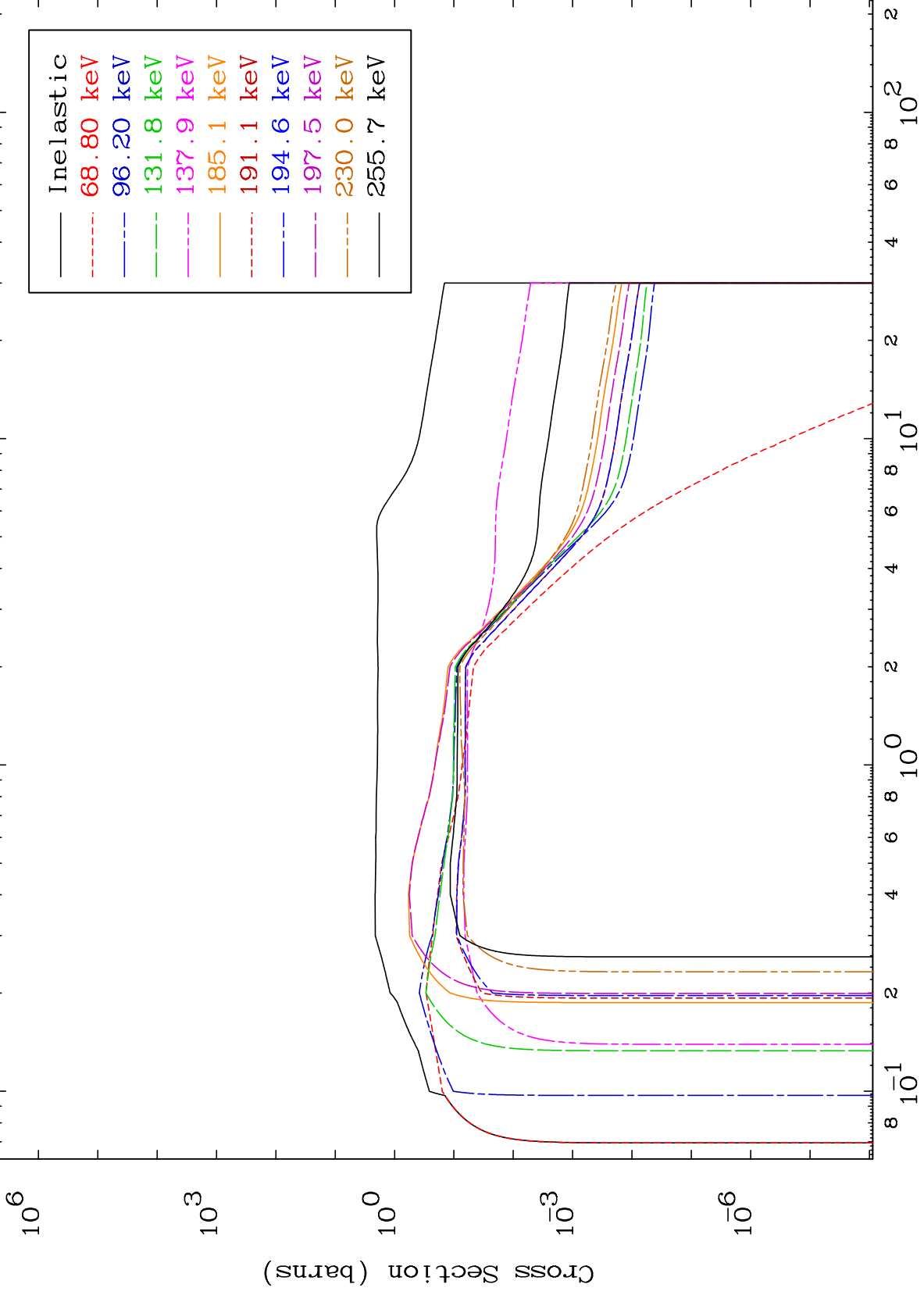
Incident Energy (MeV)

44-Ru-109

MAT 4464

(n,n') Level
293 Kelvin Cross Sections

44-Ru-109



7

Incident Energy (MeV)

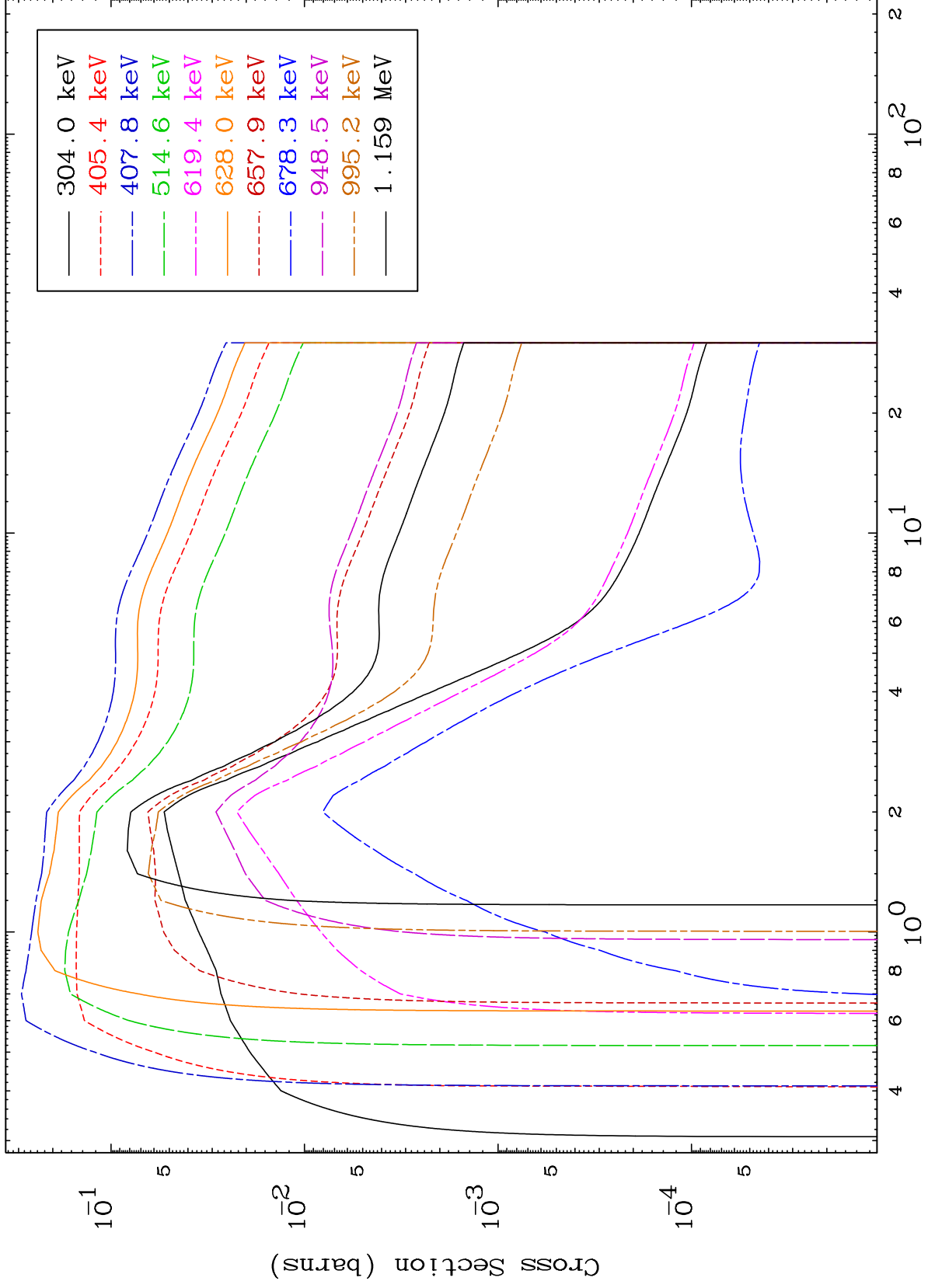
44-Ru-109

MAT 4464

(n,n') Level

44-Ru-109

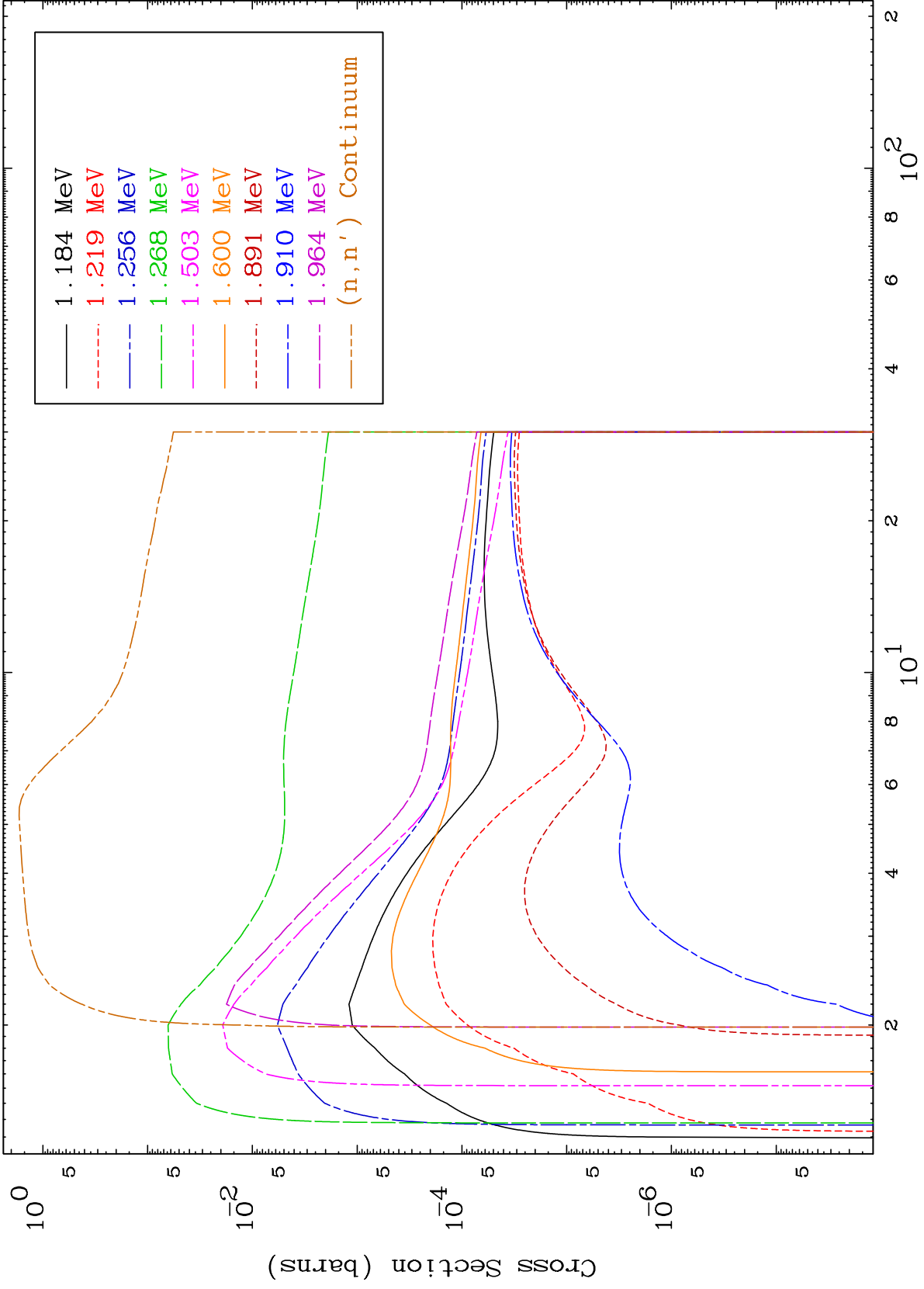
293 Kelvin Cross Sections



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Incident Energy (MeV)

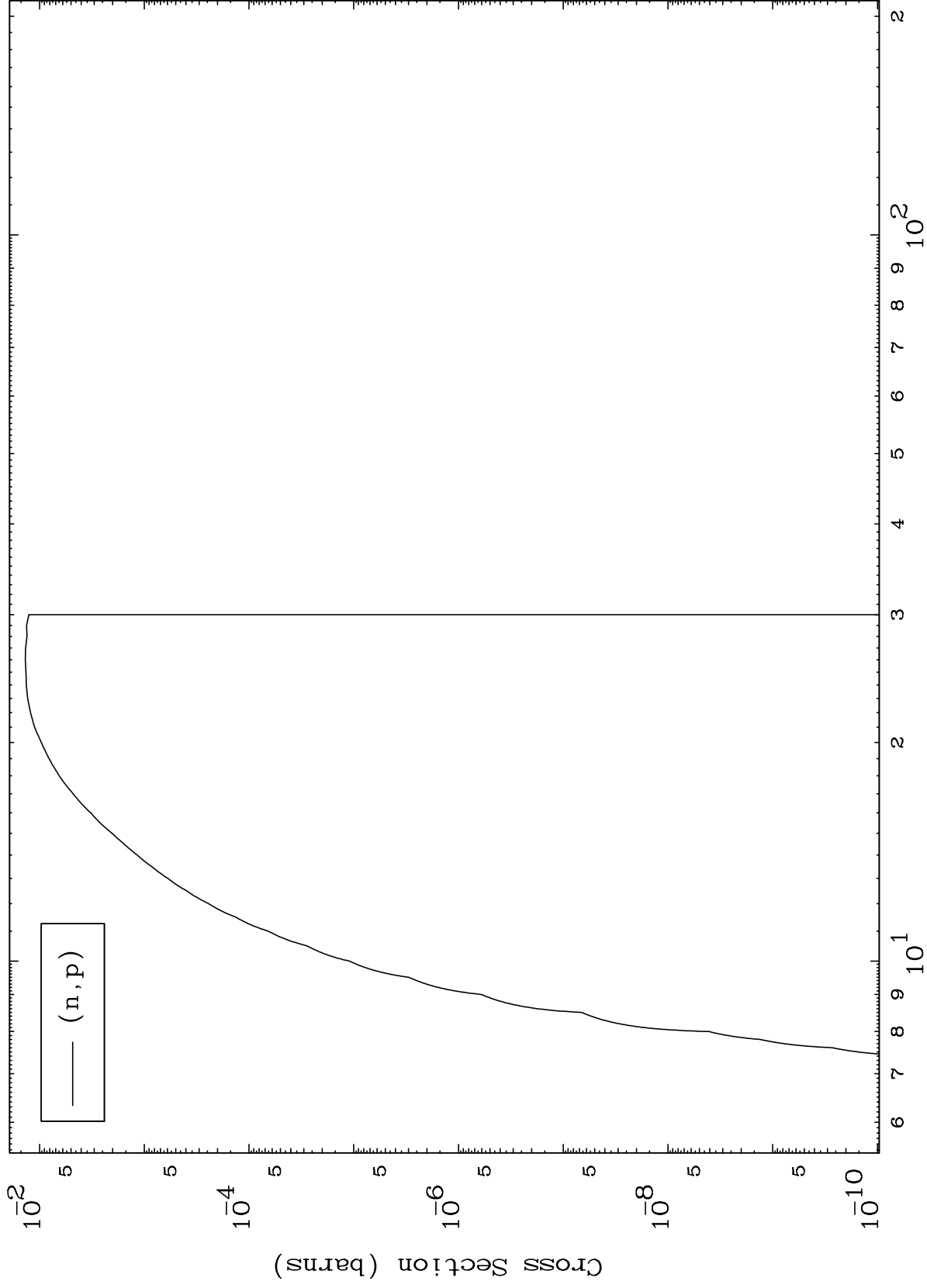
44-Ru-109



MAT 4464

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-109



10

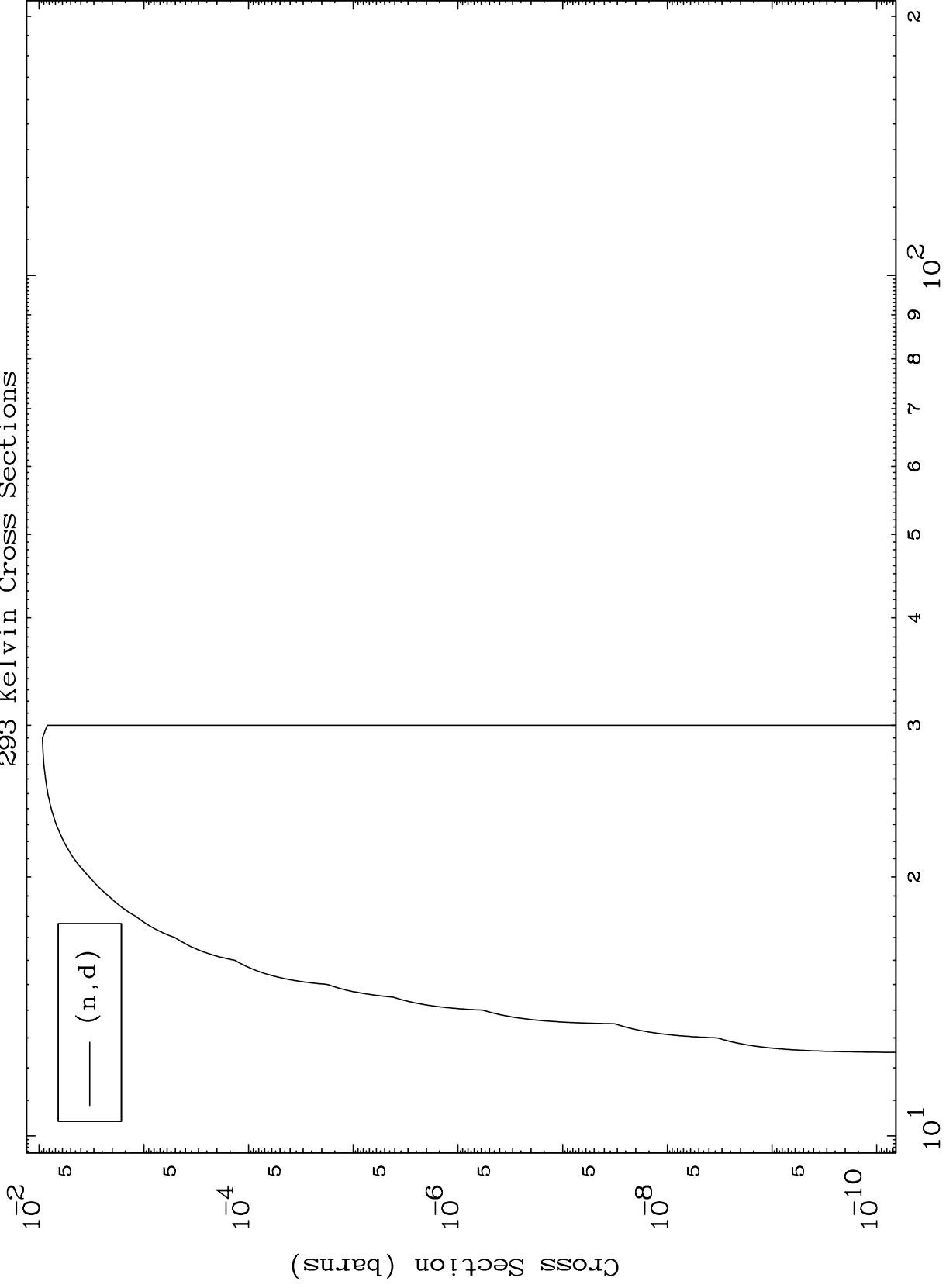
Incident Energy (MeV)

44-Ru-109

MAT 4464

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-109



Incident Energy (MeV)

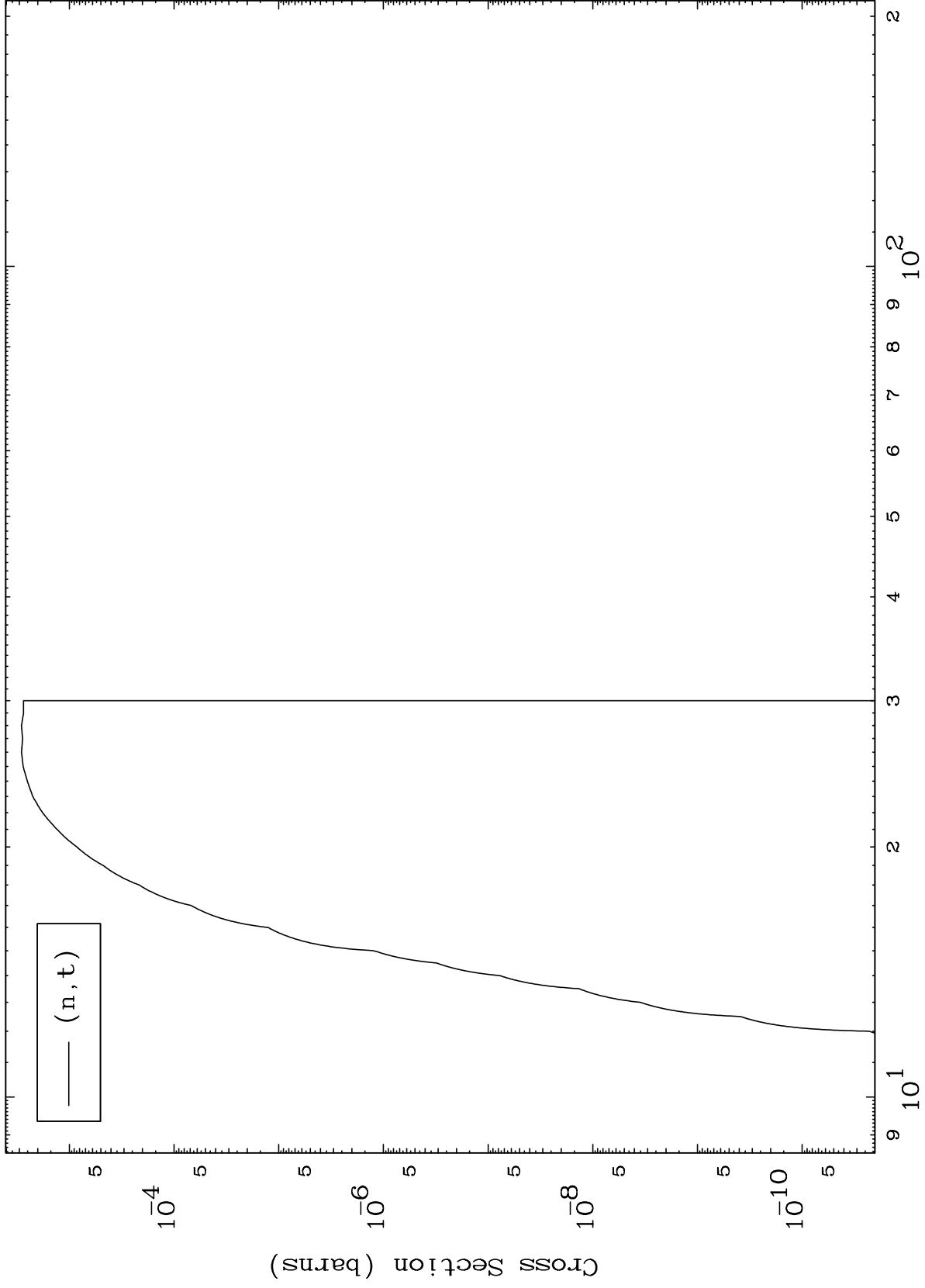
44-Ru-109

11

MAT 4464

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-109



12

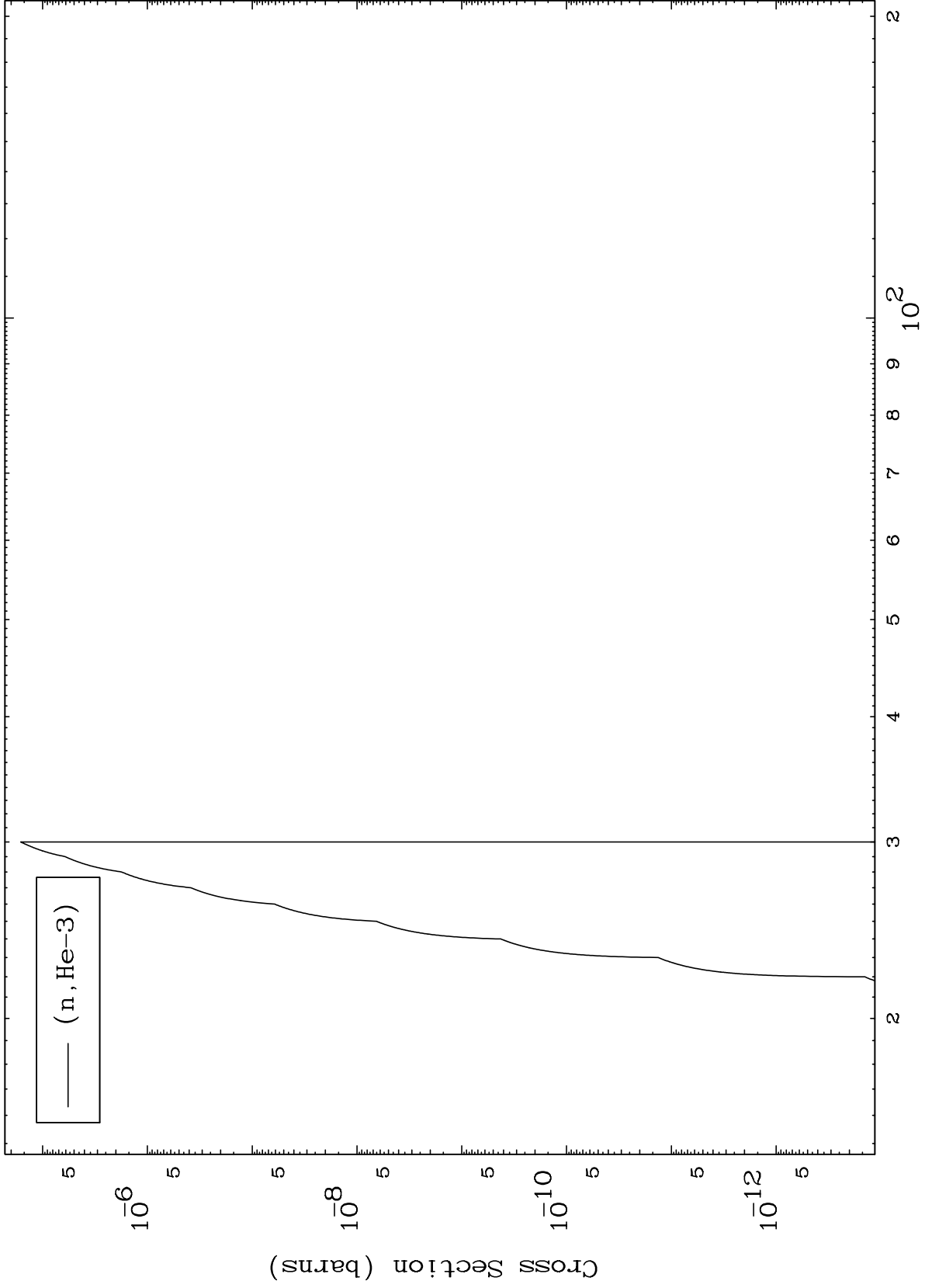
Incident Energy (MeV)

44-Ru-109

MAT 4464

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-109



13

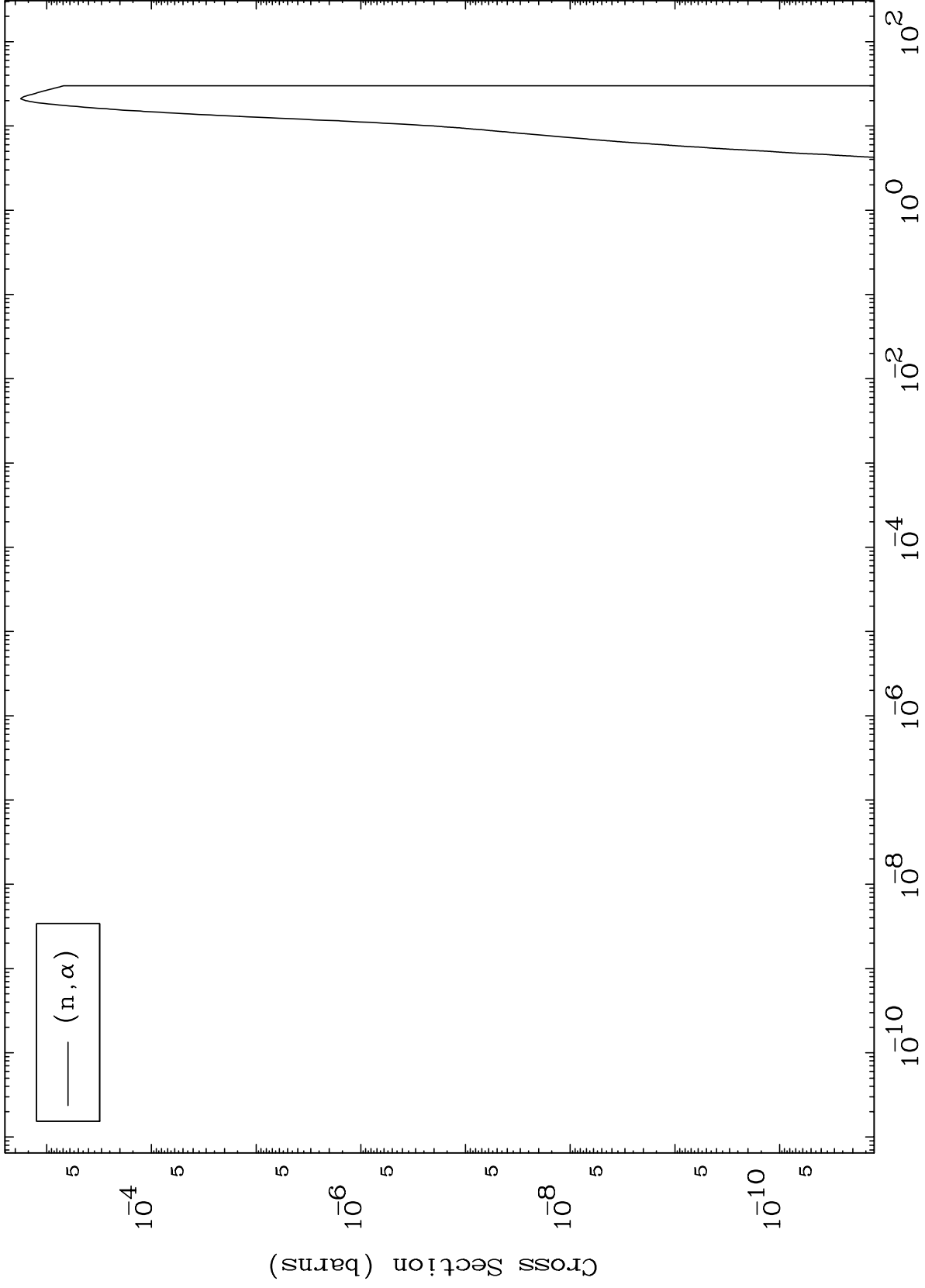
Incident Energy (MeV)

44-Ru-109

MAT 4464

(n, α) Levels
293 Kelvin Cross Sections

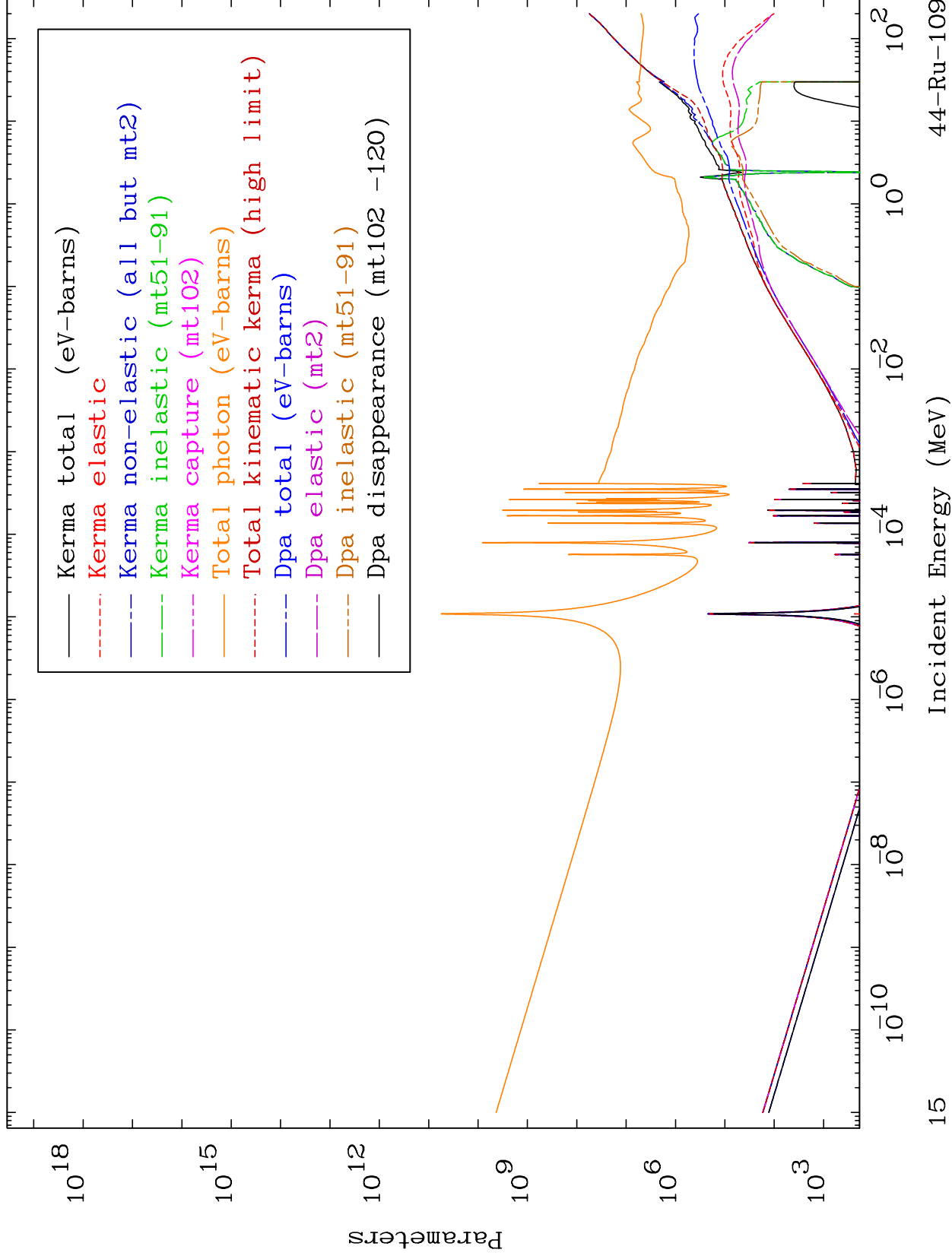
44-Ru-109



14

Incident Energy (MeV)

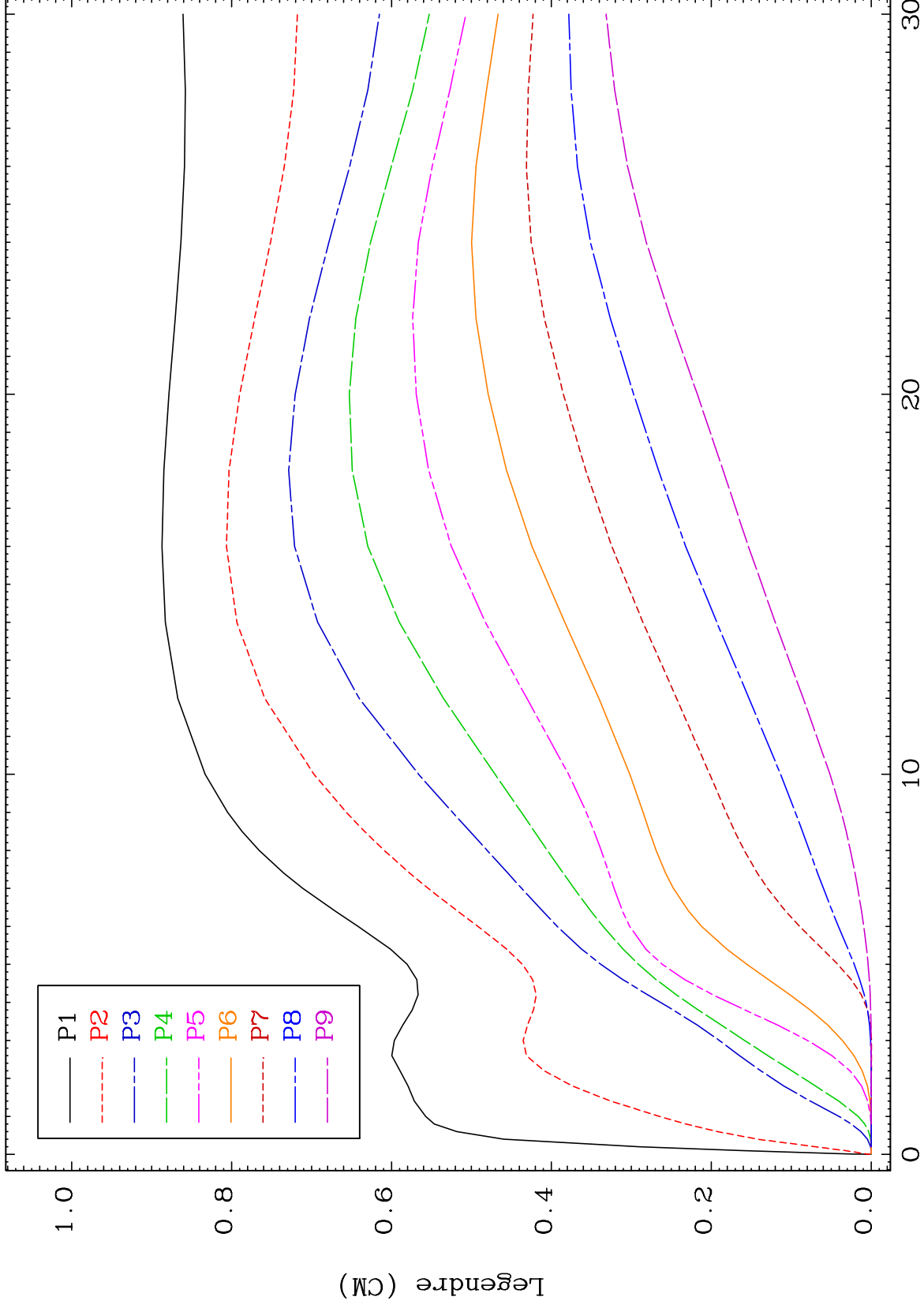
44-Ru-109



MAT 4464

Elastic Legendre Coefficients

44-Ru-109



16

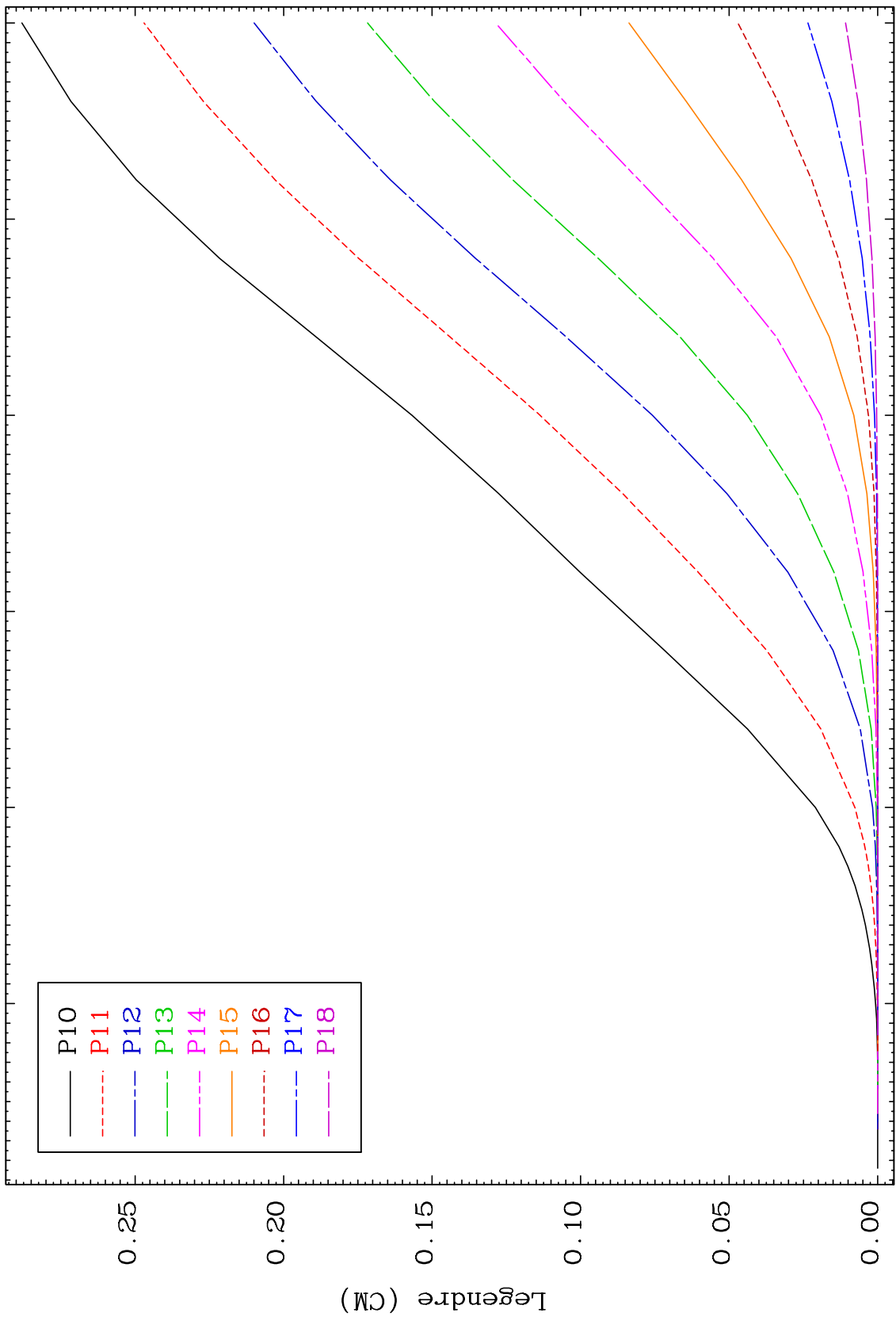
Incident Energy (MeV)

44-Ru-109

MAT 4464

Elastic
Legendre Coefficients

44-Ru-109



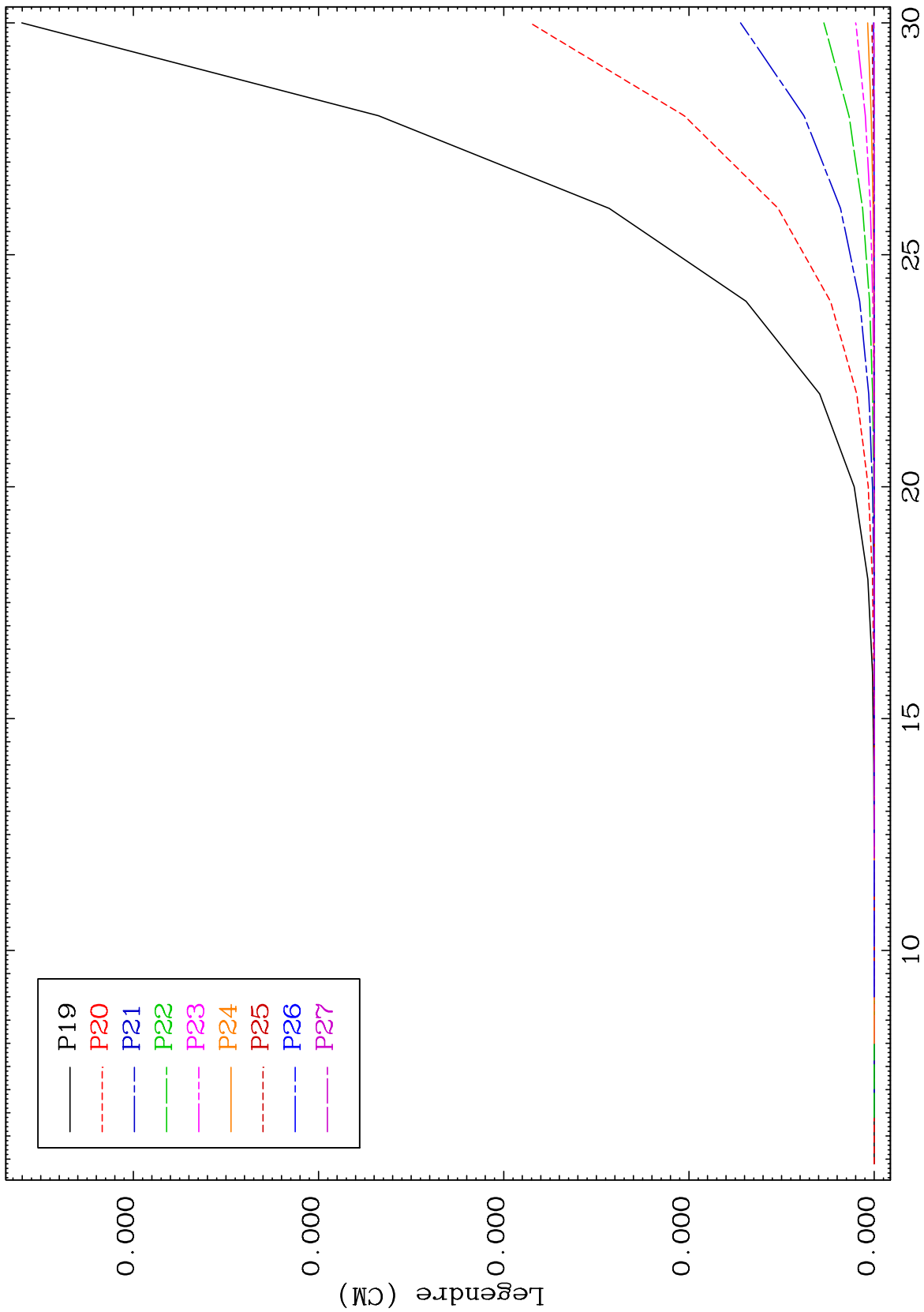
17

44-Ru-109

MAT 4464

Elastic Legendre Coefficients

44-Ru-109



18

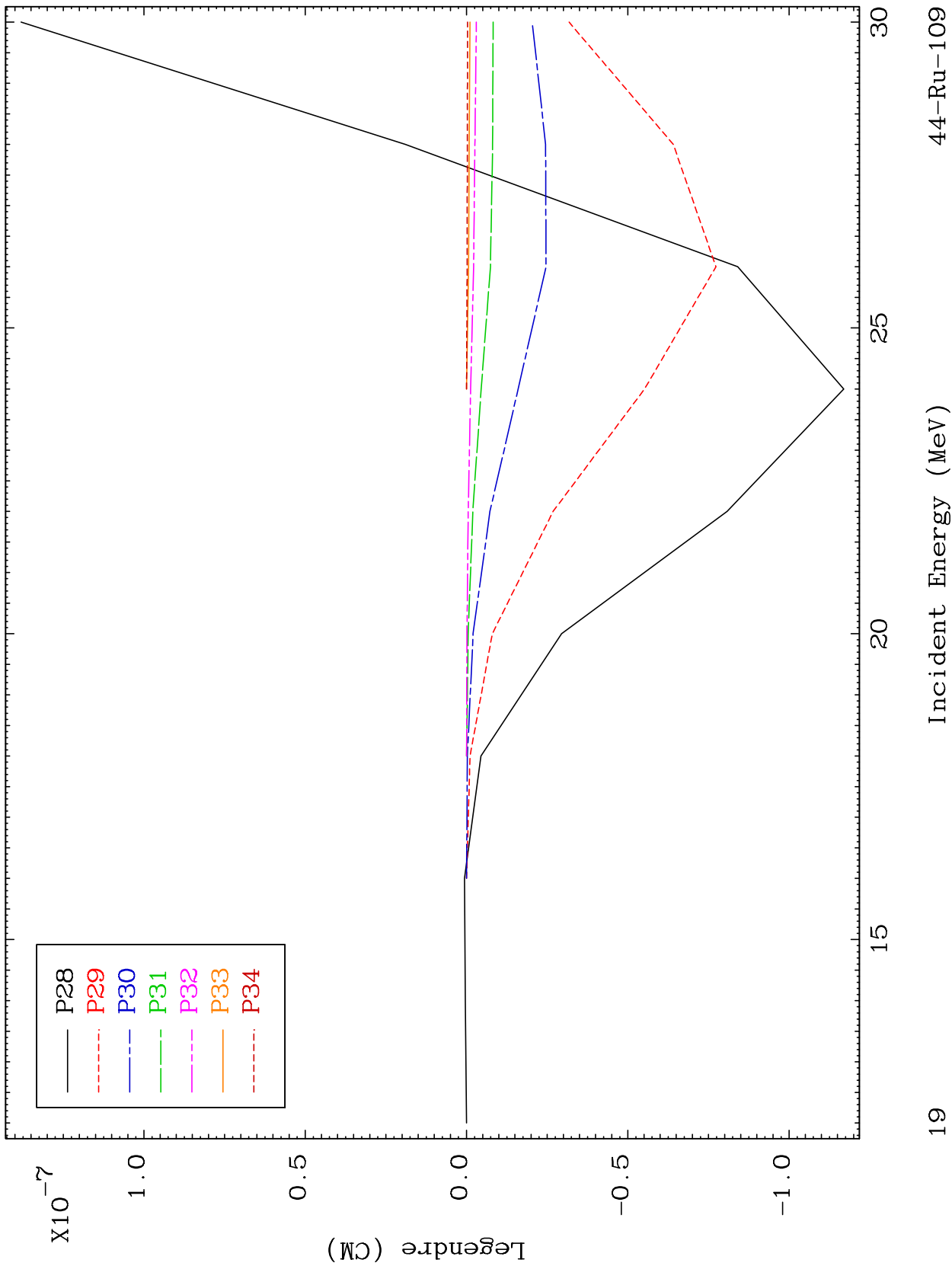
Incident Energy (MeV)

44-Ru-109

MAT 4464

Elastic Legendre Coefficients

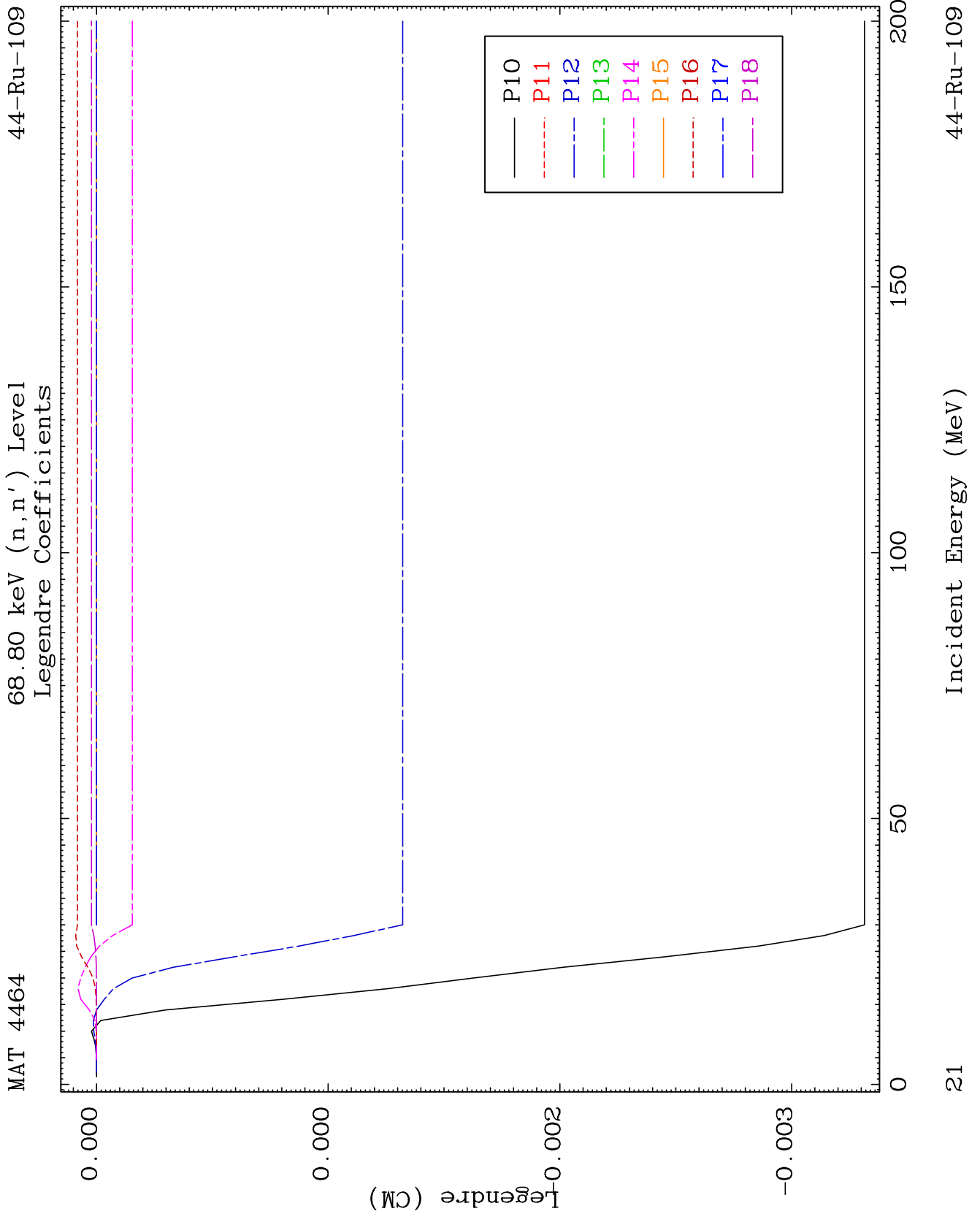
44-Ru-109

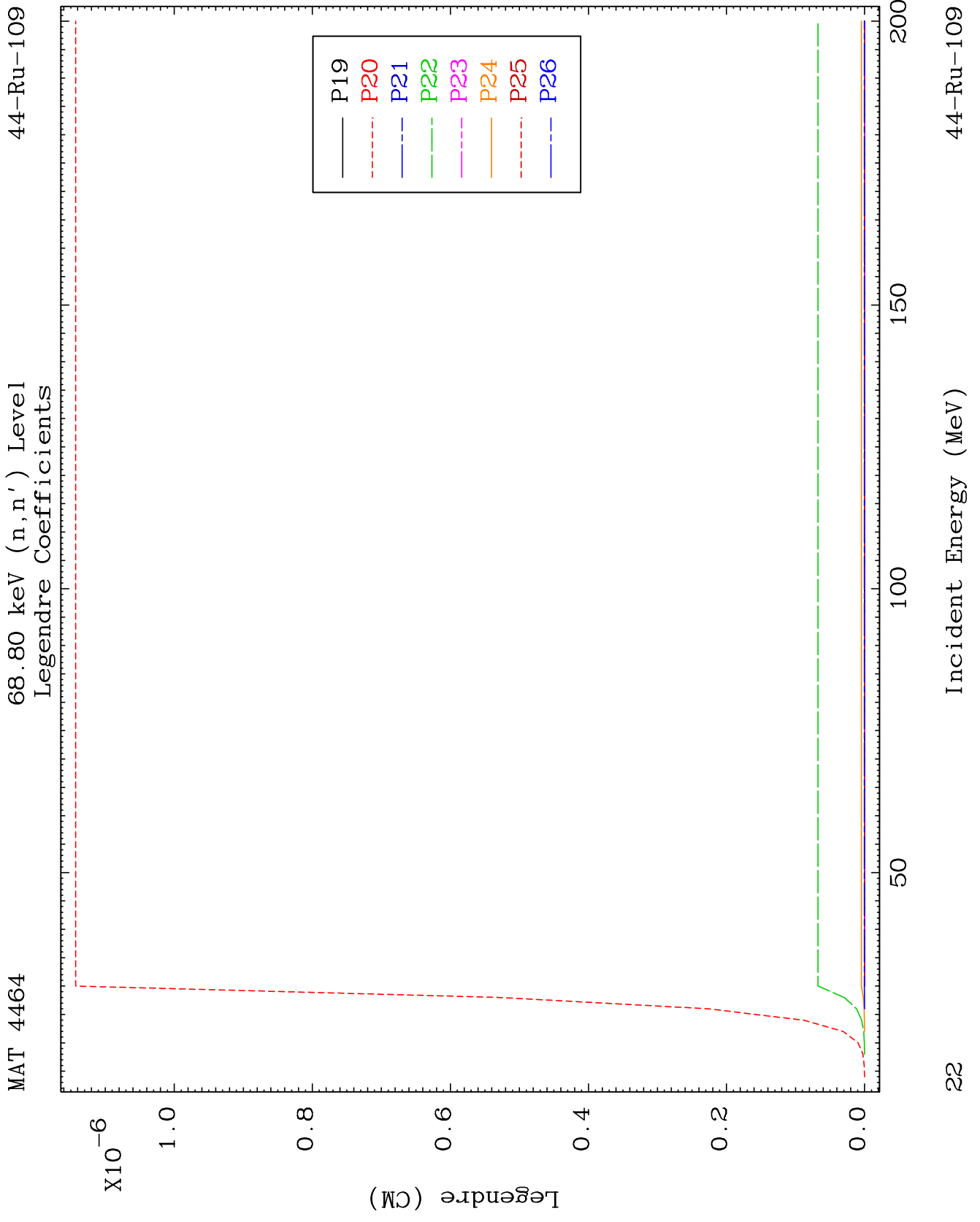


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Incident Energy (MeV)

44-Ru-109

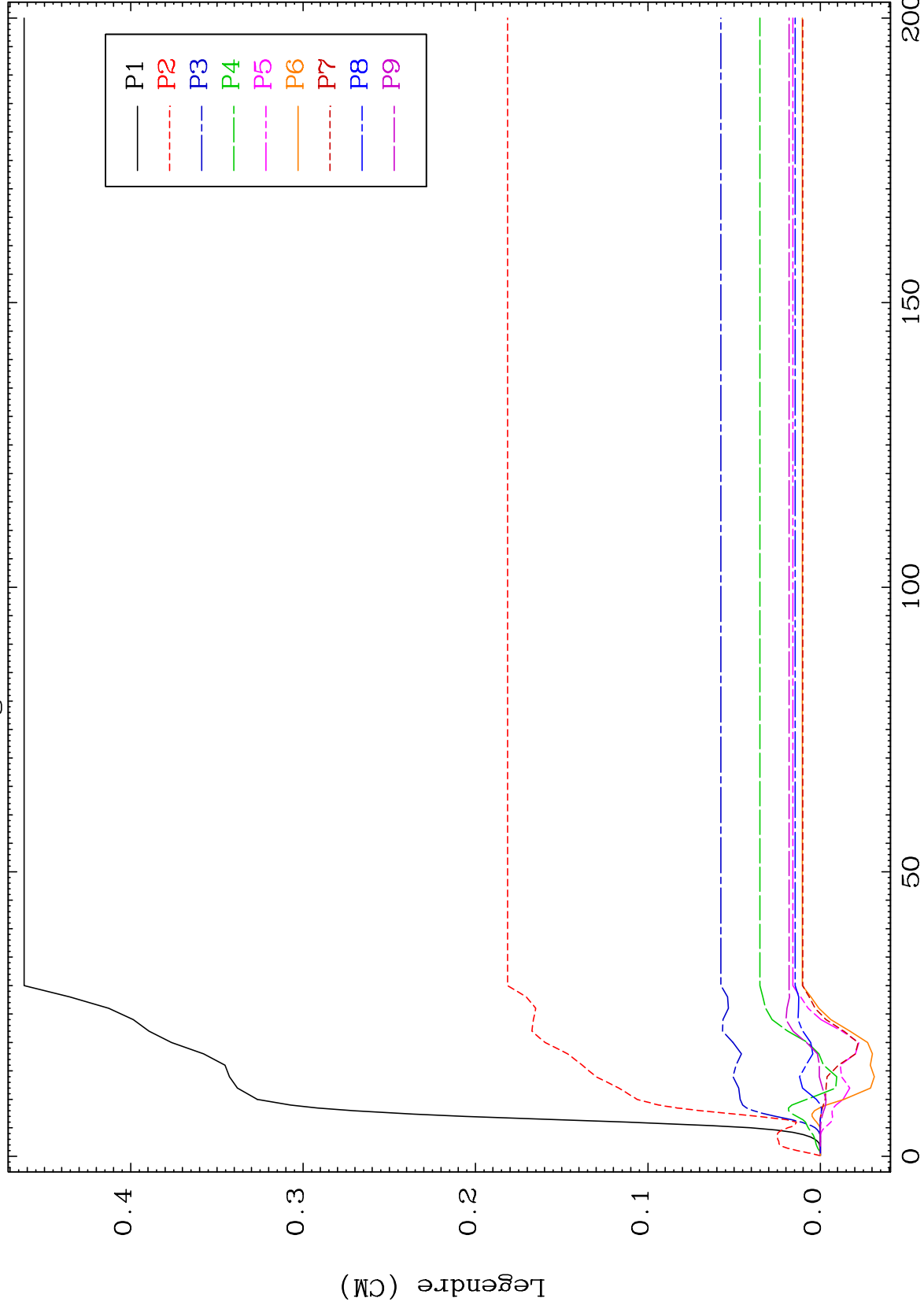




MAT 4464

96.20 keV (n, n') Level
Legendre Coefficients

44-Ru-109



23

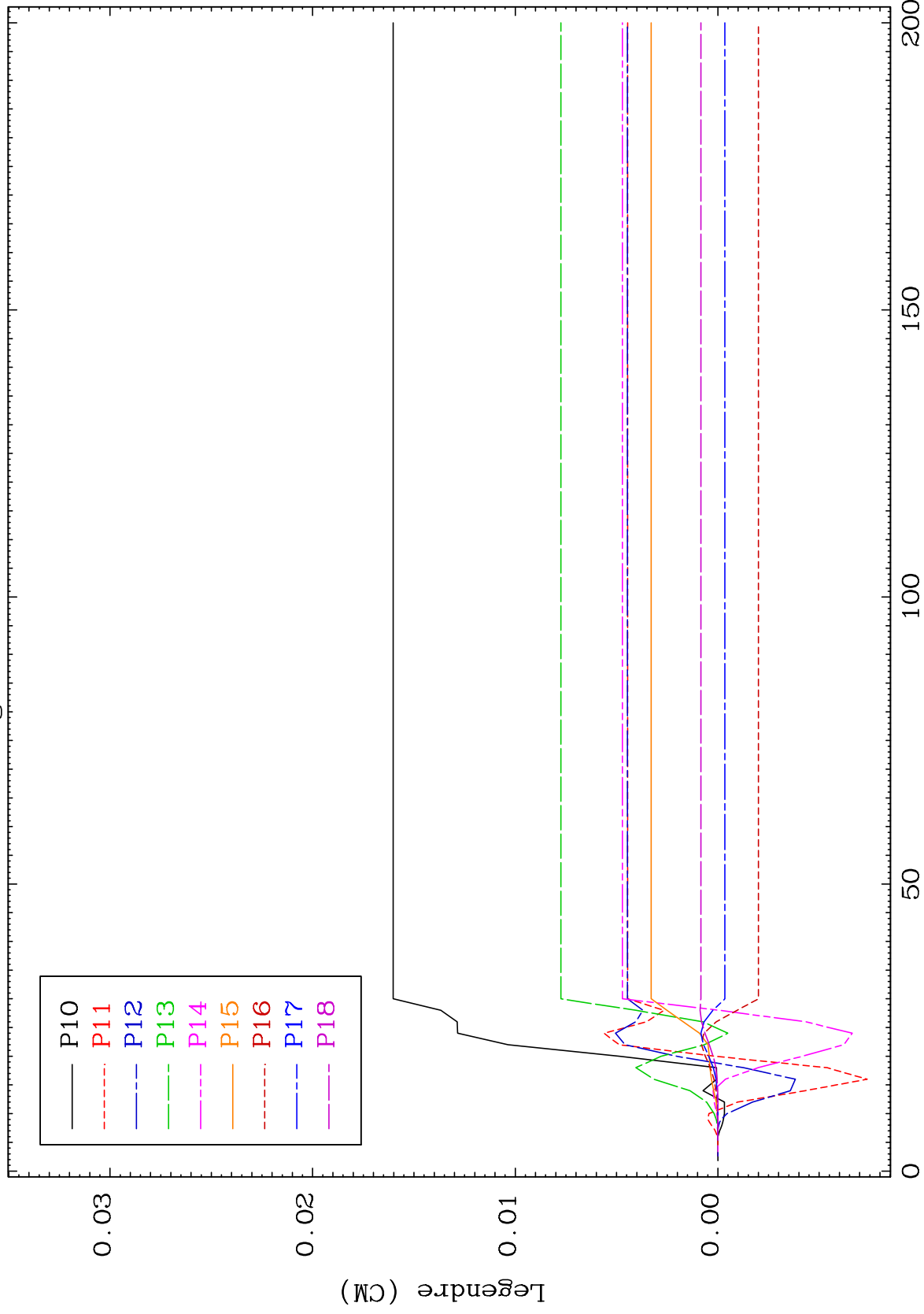
Incident Energy (MeV)

44-Ru-109

MAT 4464

96.20 keV (n,n') Level
Legendre Coefficients

44-Ru-109



24

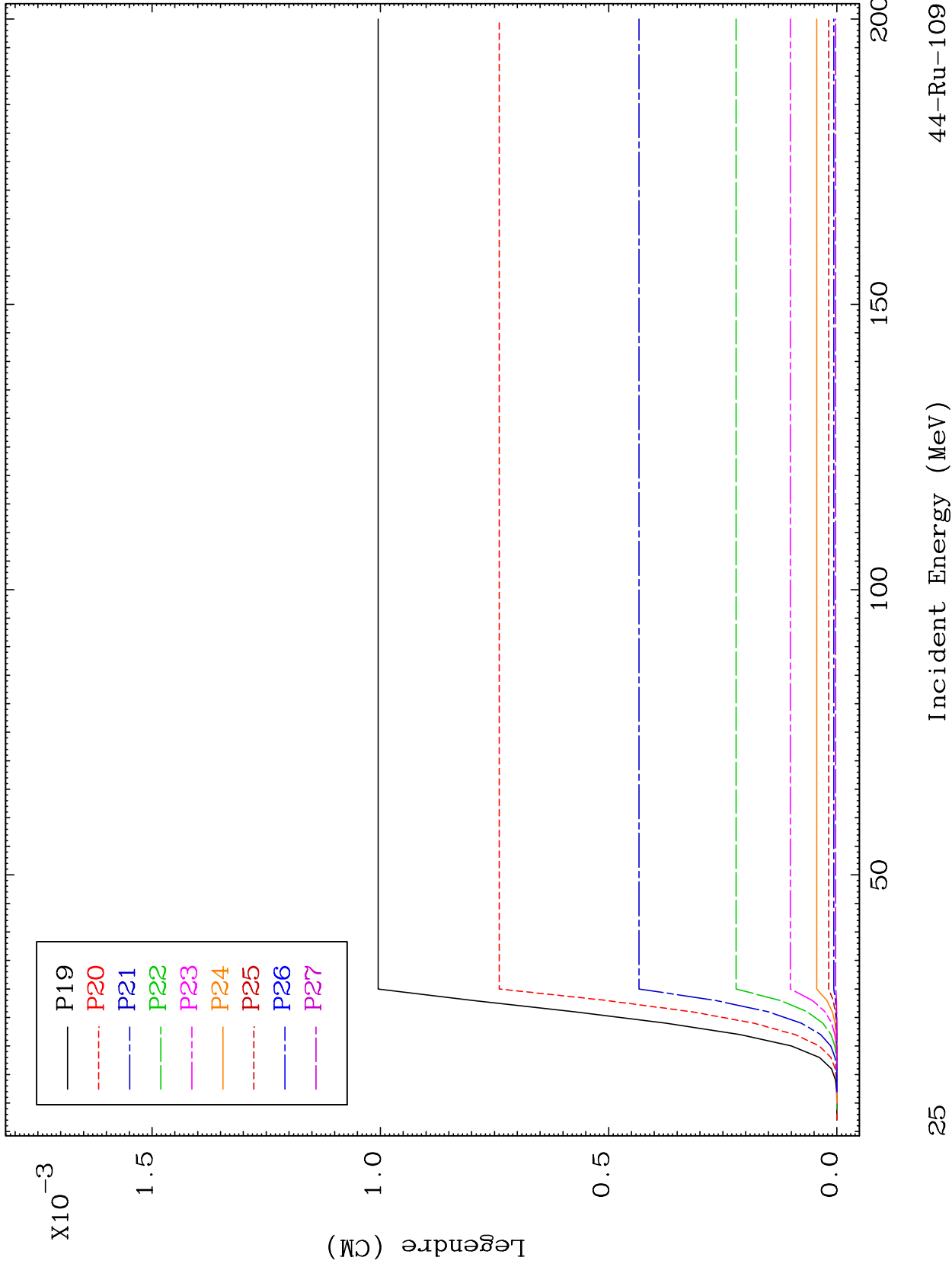
Incident Energy (MeV)

44-Ru-109

MAT 4464

96.20 keV (n,n') Level
Legendre Coefficients

44-Ru-109



25

Incident Energy (MeV)

44-Ru-109

200

150

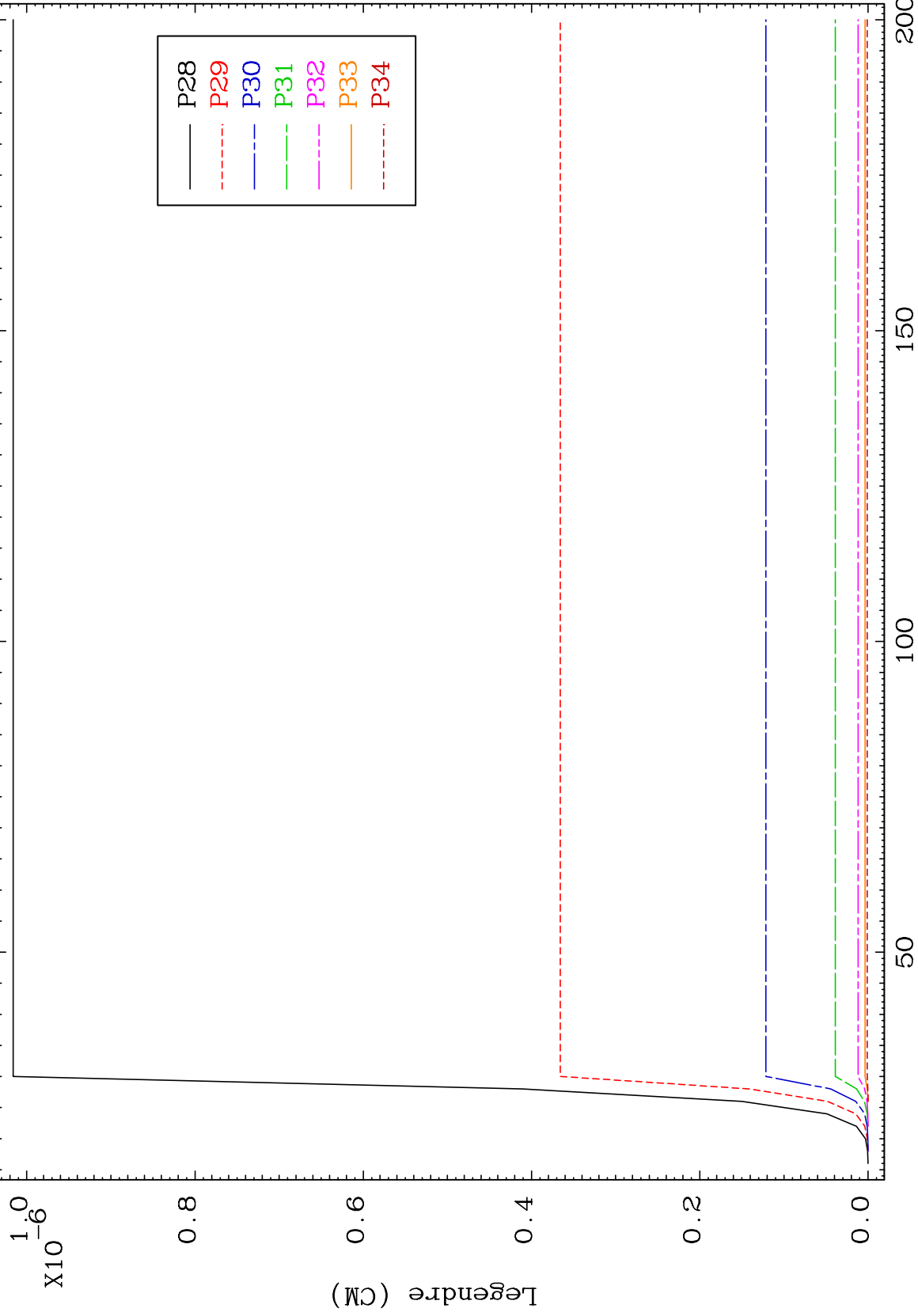
100

50

MAT 4464

96.20 keV (n,n') Level
Legendre Coefficients

44-Ru-109



26

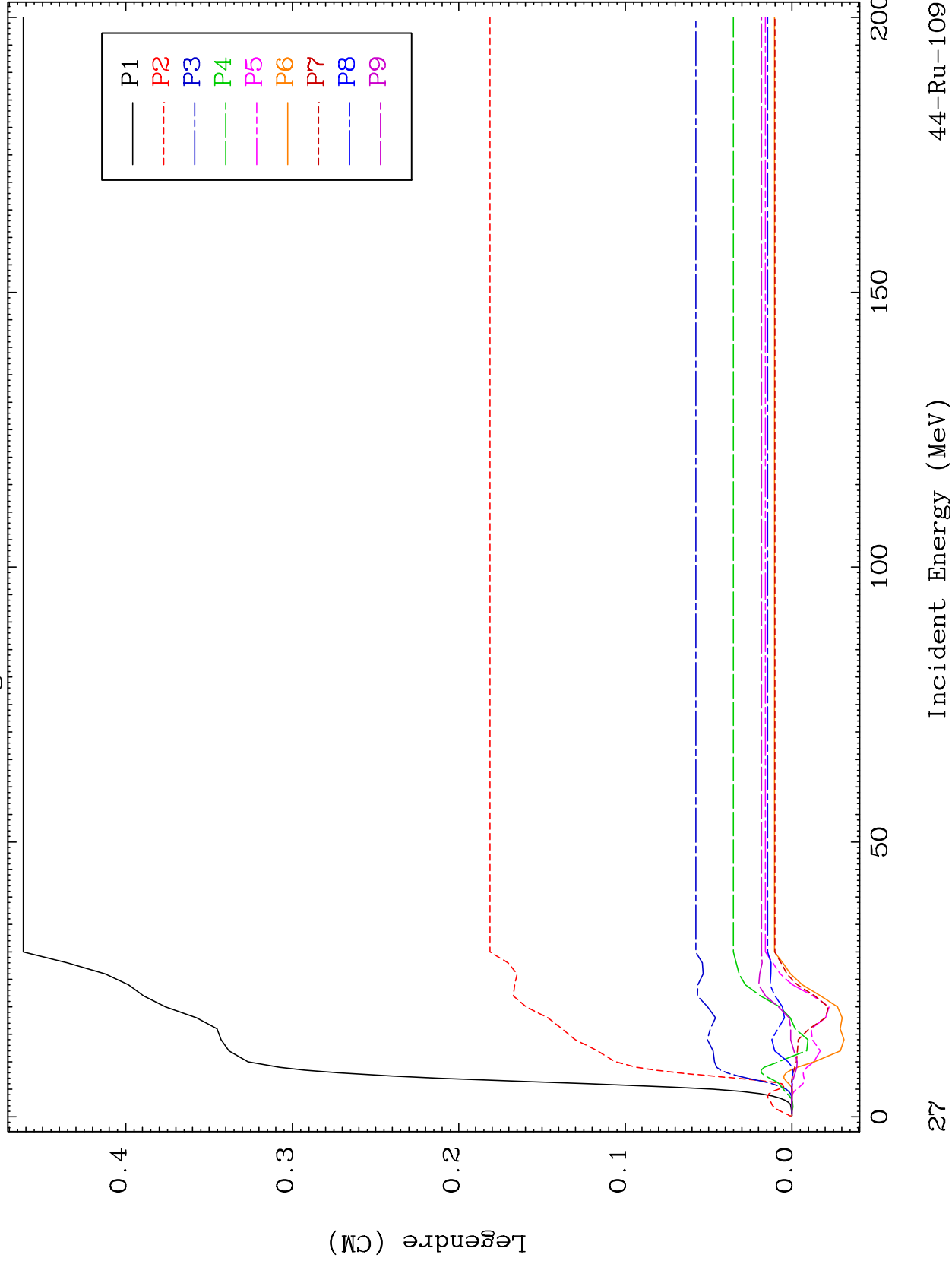
Incident Energy (MeV)

44-Ru-109

MAT 4464

131.8 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

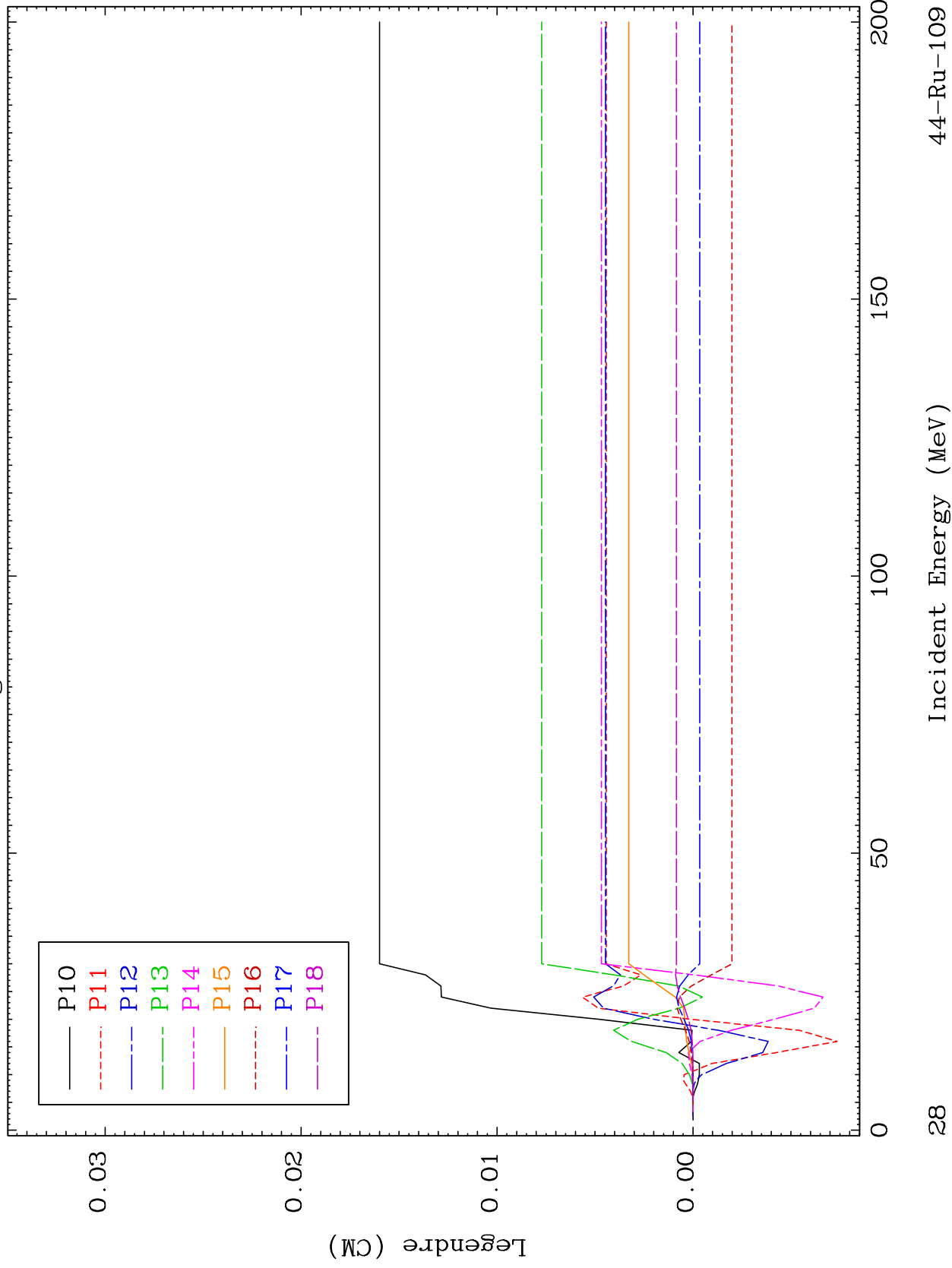
Incident Energy (MeV)

27

MAT 4464

131.8 keV (n,n') Level
Legendre Coefficients

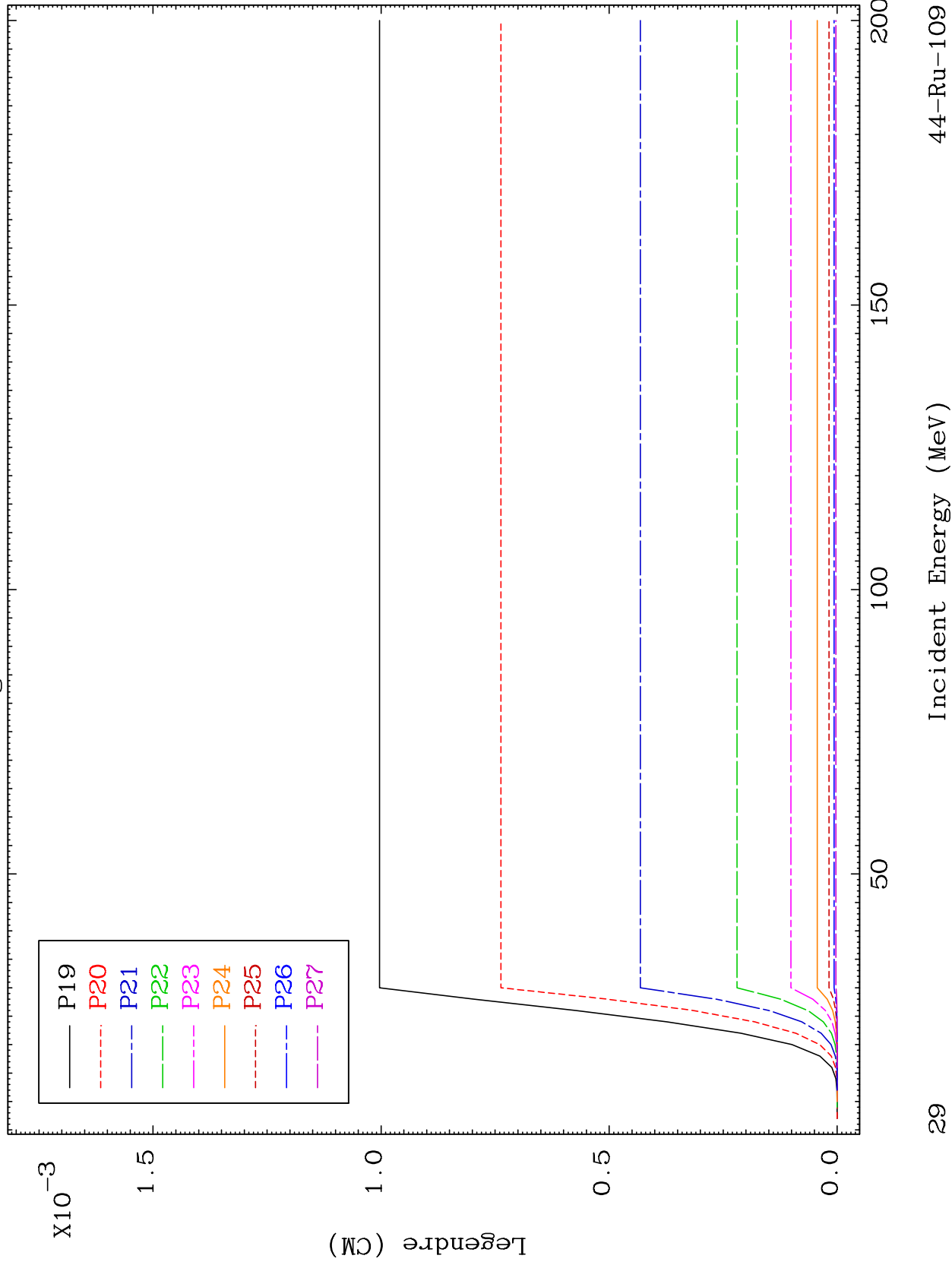
44-Ru-109



28

Incident Energy (MeV)

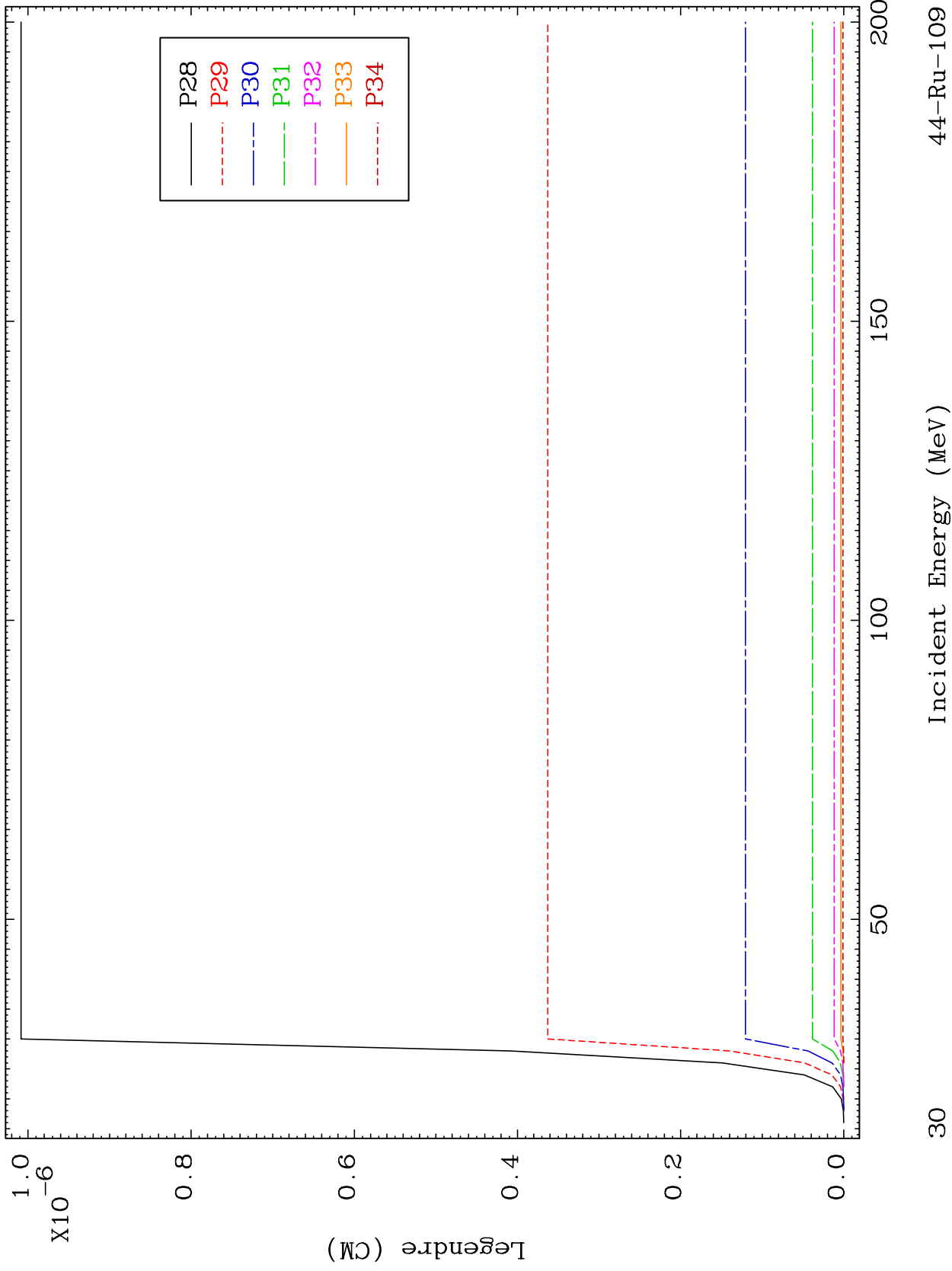
44-Ru-109



MAT 4464

131.8 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

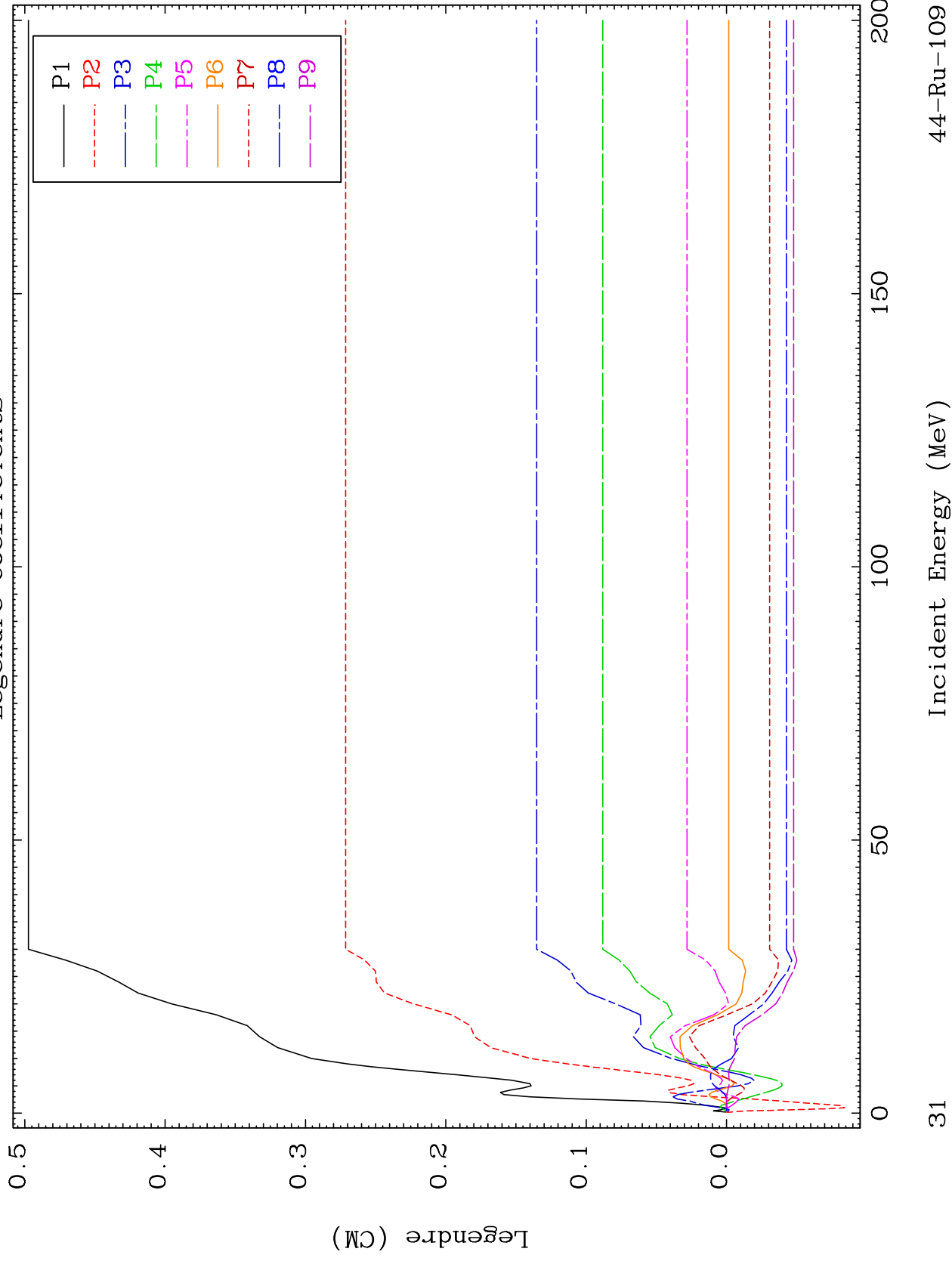
Incident Energy (MeV)

30

MAT 4464

137.9 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

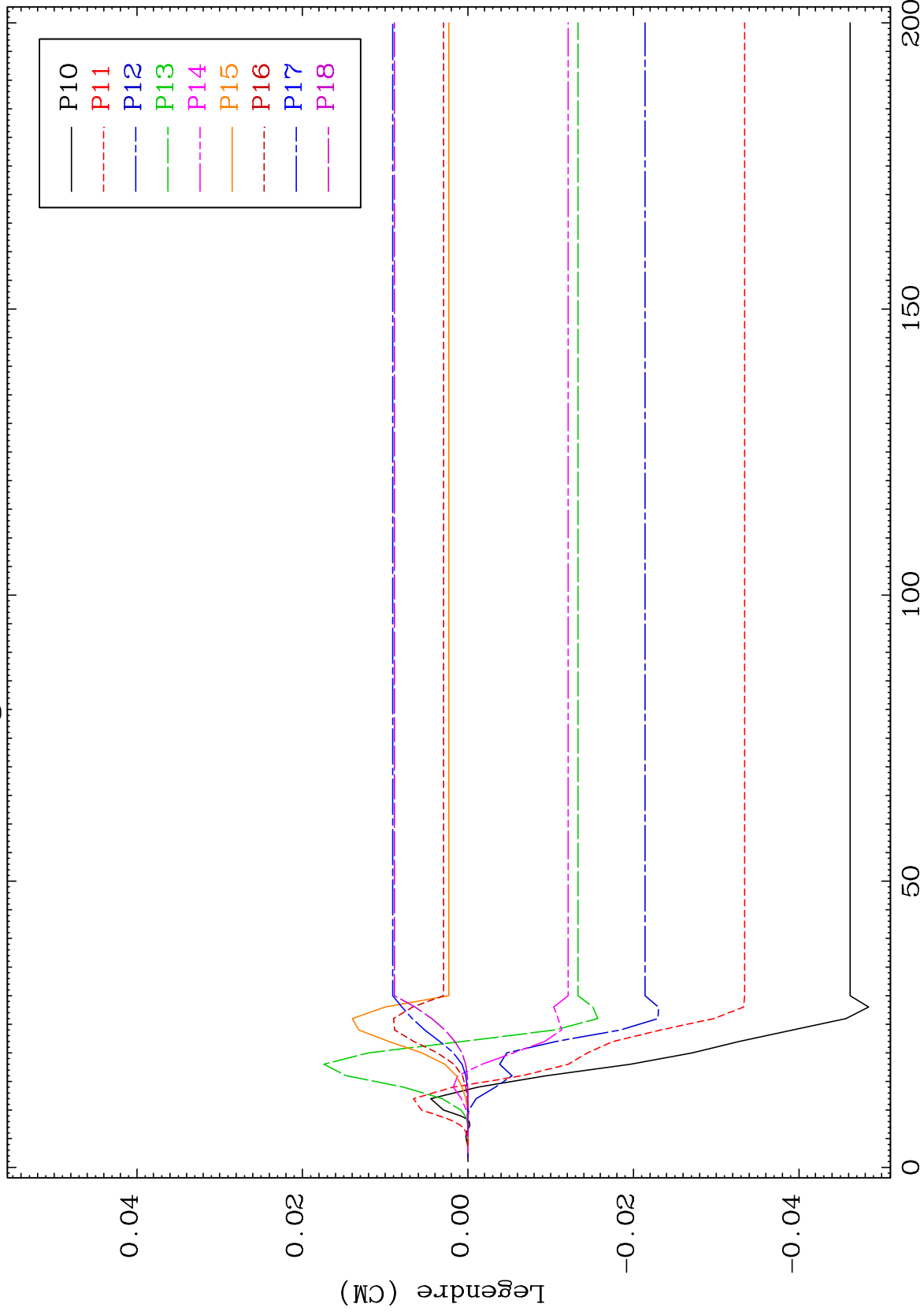
Incident Energy (MeV)

31

MAT 4464

137.9 keV (n,n') Level
Legendre Coefficients

44-Ru-109



32

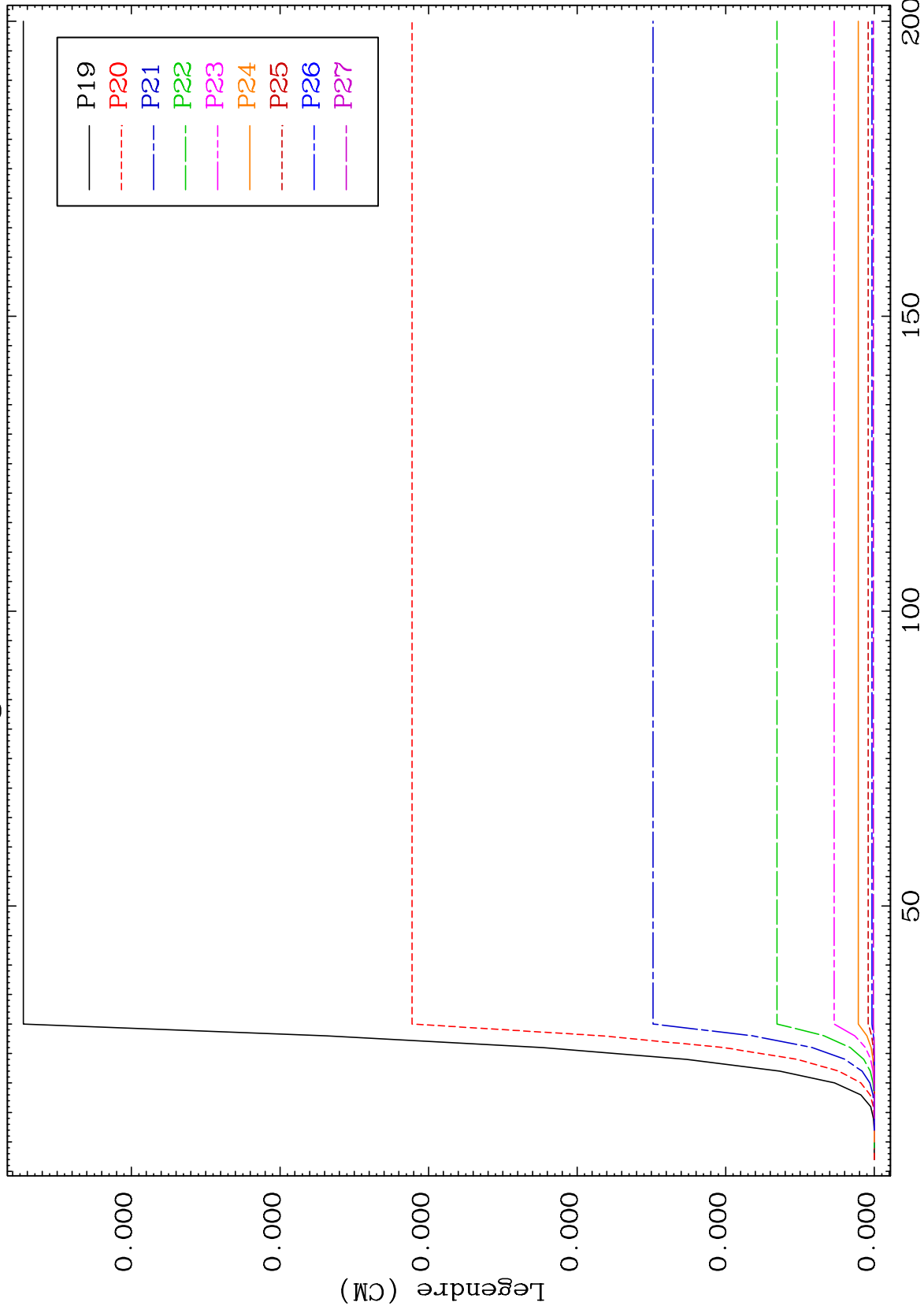
Incident Energy (MeV)

44-Ru-109

MAT 4464

137.9 keV (n, n') Level
Legendre Coefficients

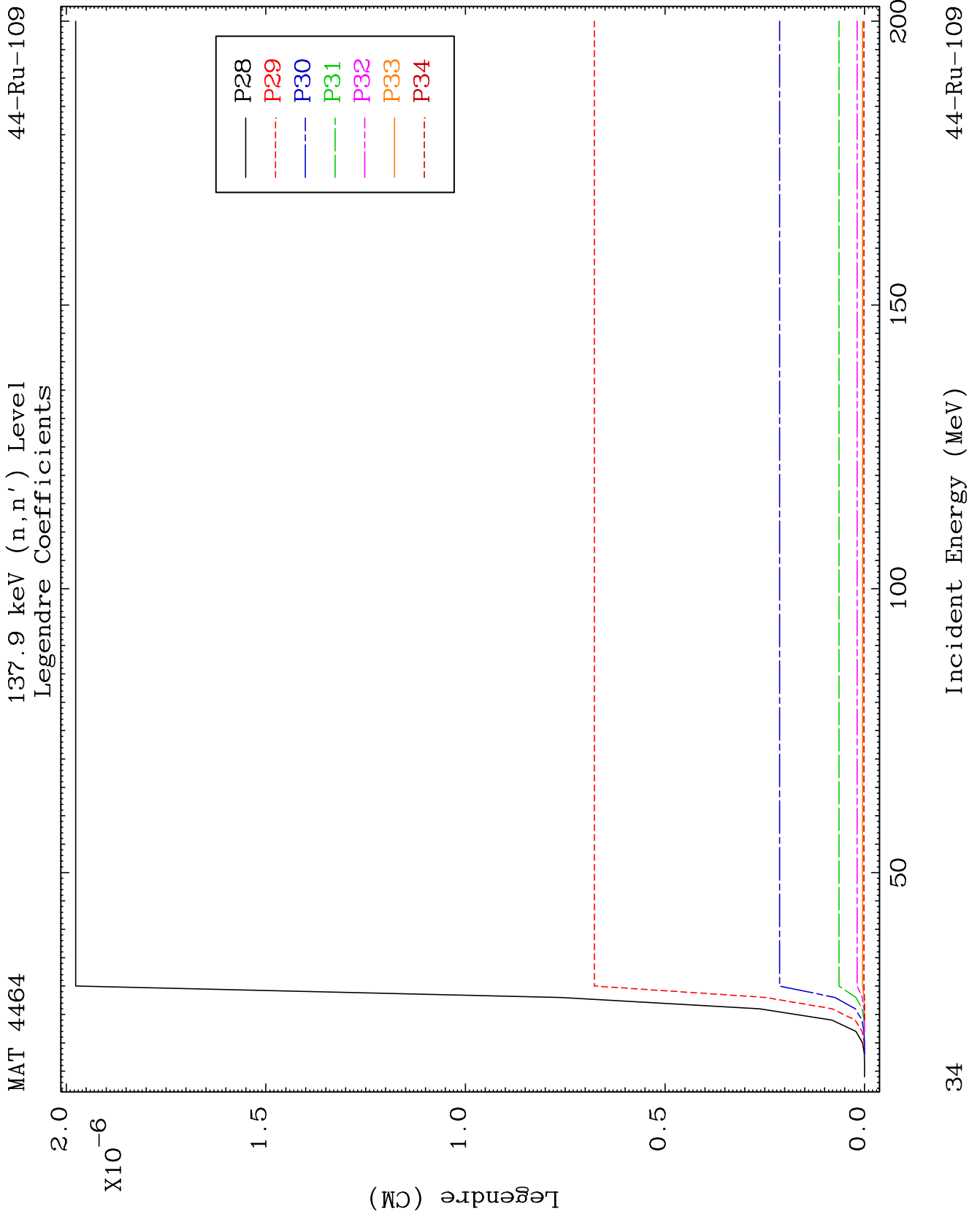
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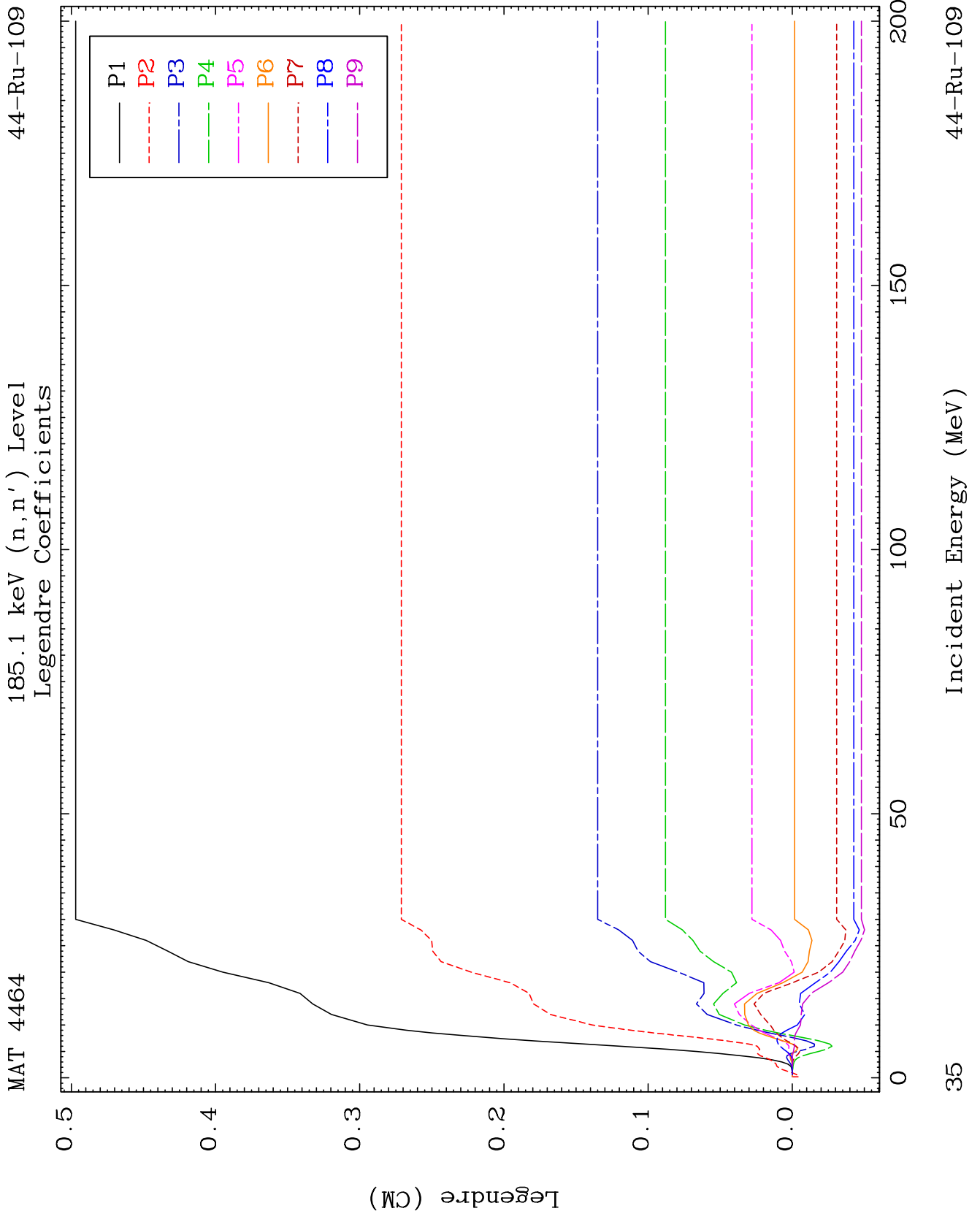


33

Incident Energy (MeV)

44-Ru-109

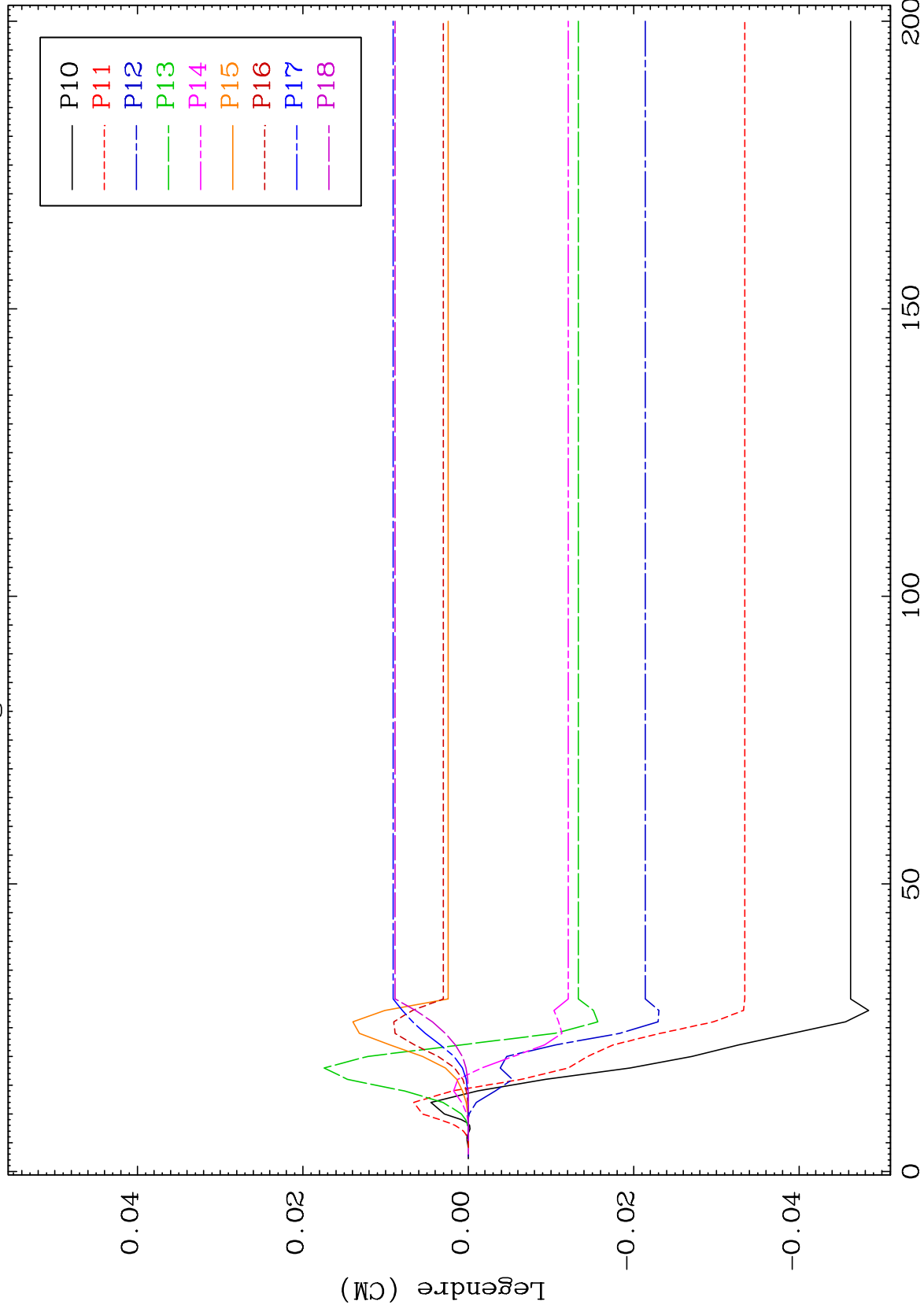




MAT 4464

185.1 keV (n, n') Level
Legendre Coefficients

44-Ru-109



36

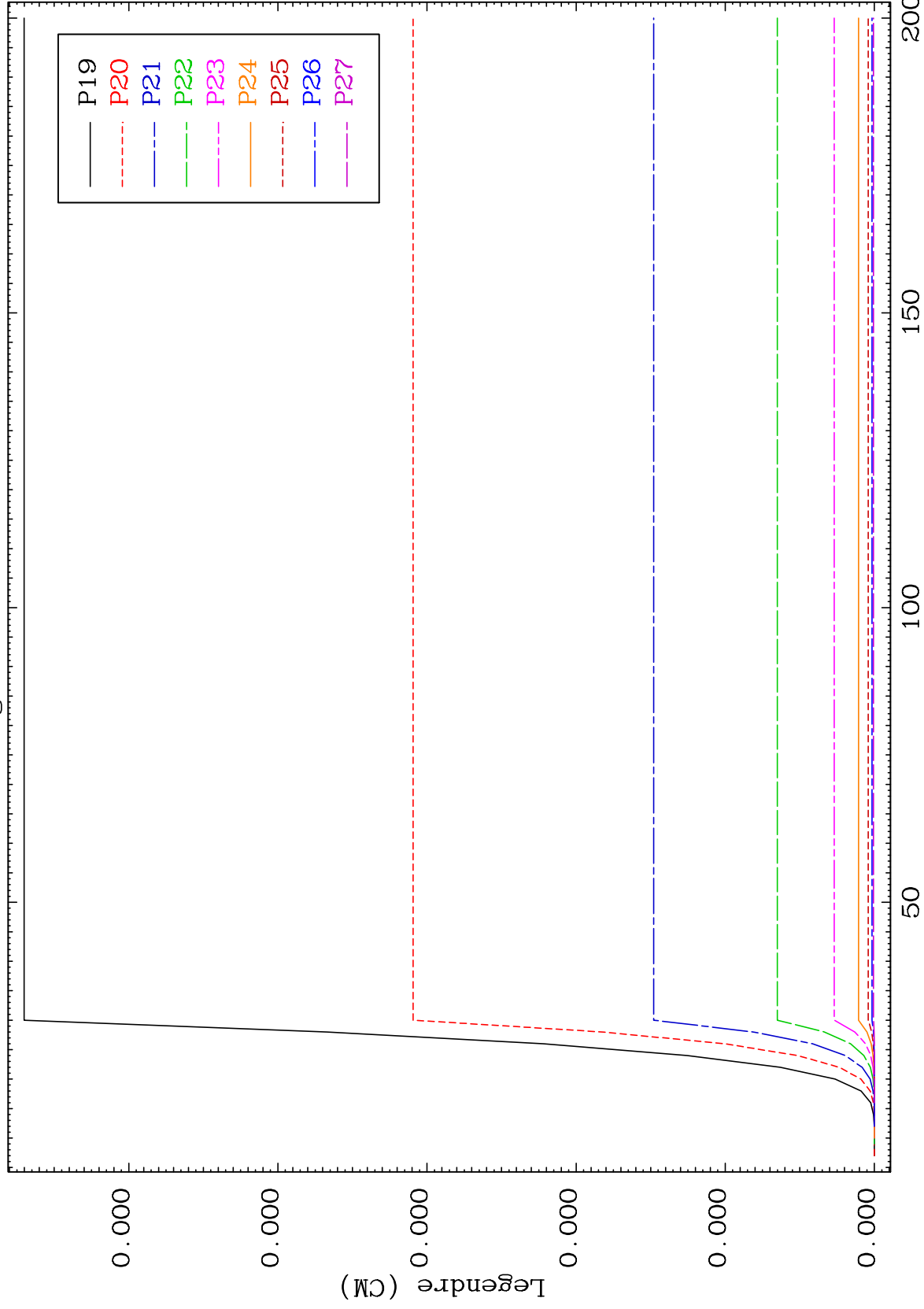
Incident Energy (MeV)

44-Ru-109

MAT 4464

185.1 keV (n,n') Level
Legendre Coefficients

44-Ru-109



37

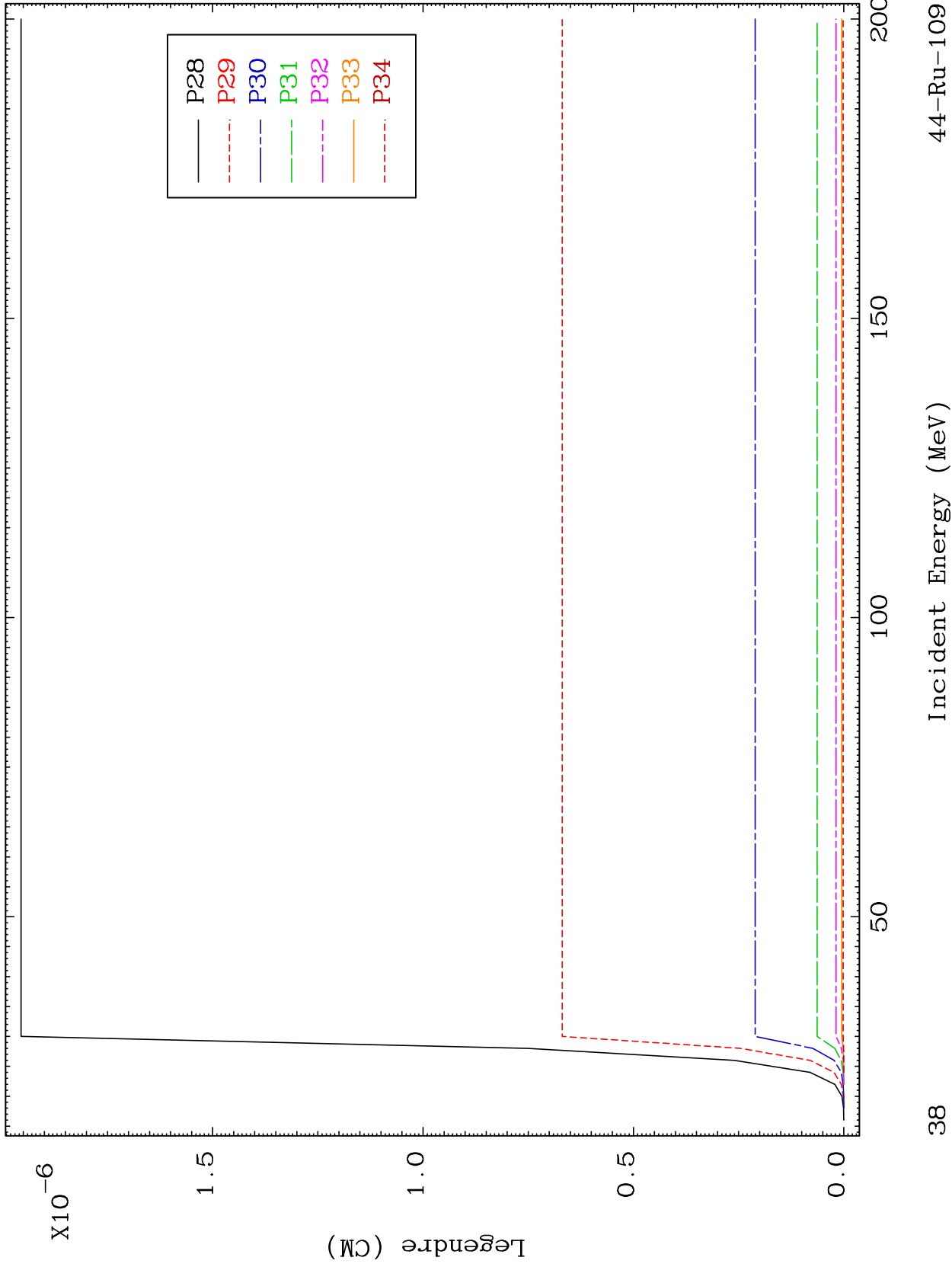
Incident Energy (MeV)

44-Ru-109

MAT 4464

185.1 keV (n, n') Level
Legendre Coefficients

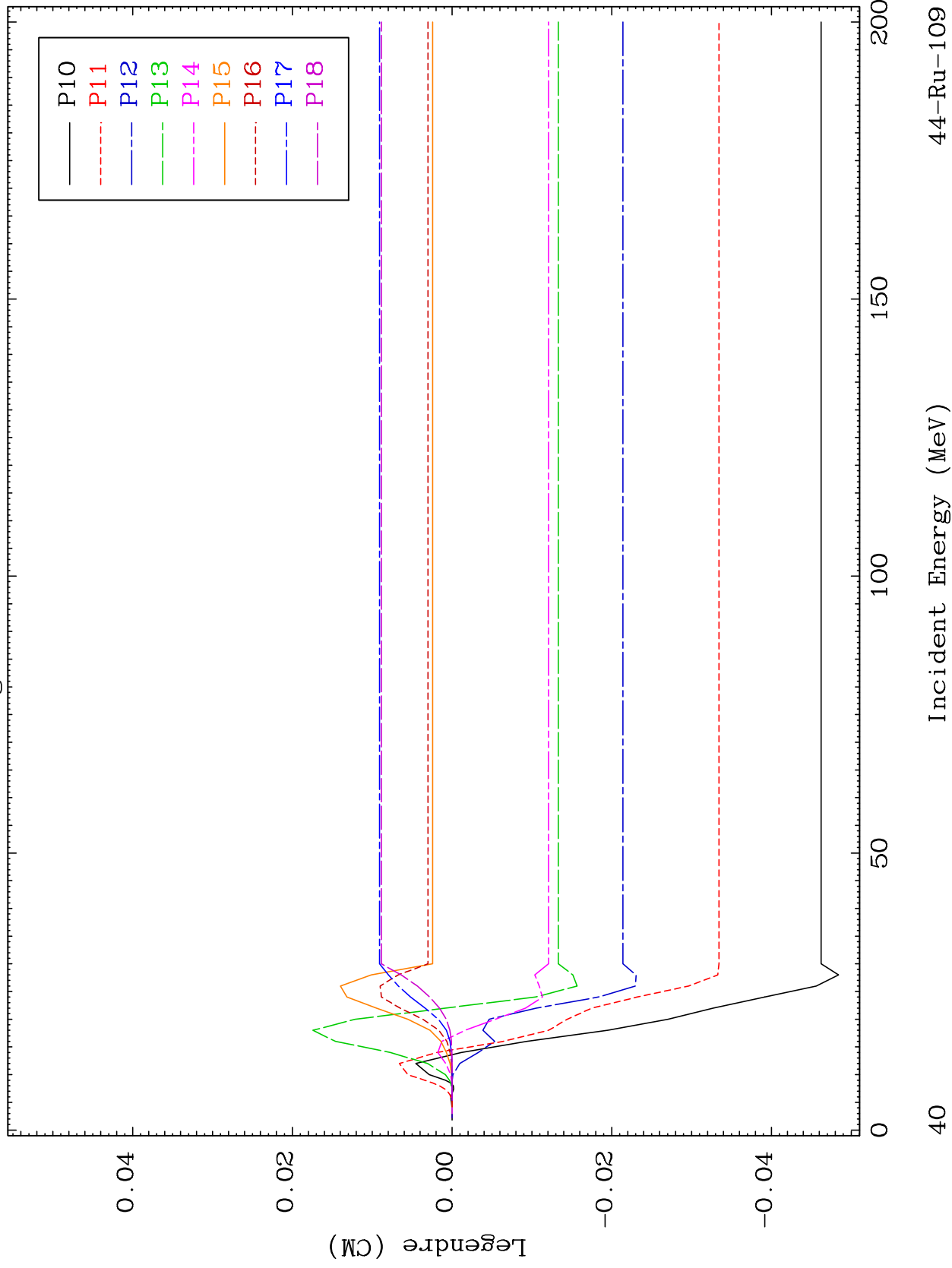
44-Ru-109



MAT 4464

191.1 keV (n, n') Level
Legendre Coefficients

44-Ru-109

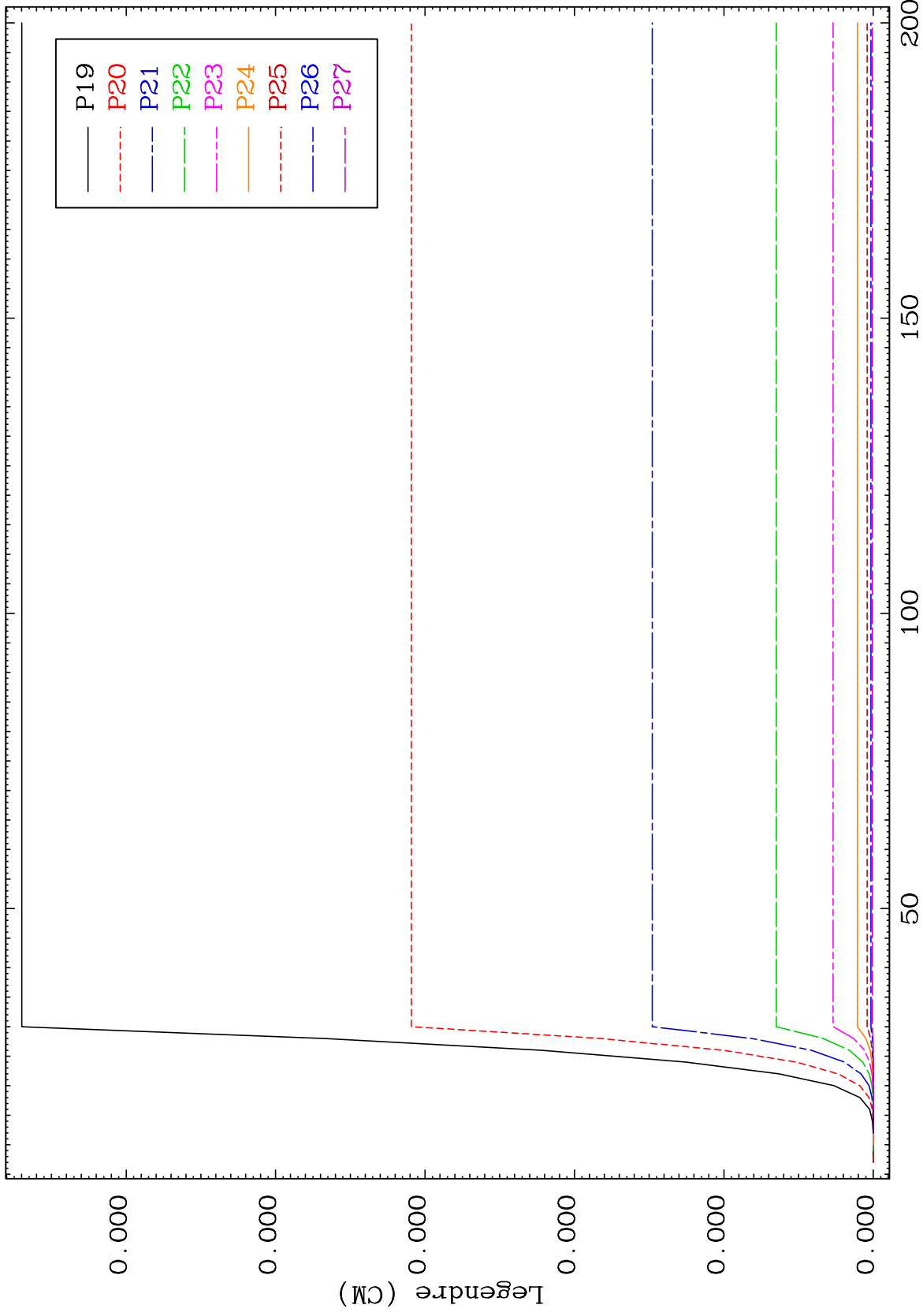


44-Ru-109

MAT 4464

191.1 keV (n,n') Level
Legendre Coefficients

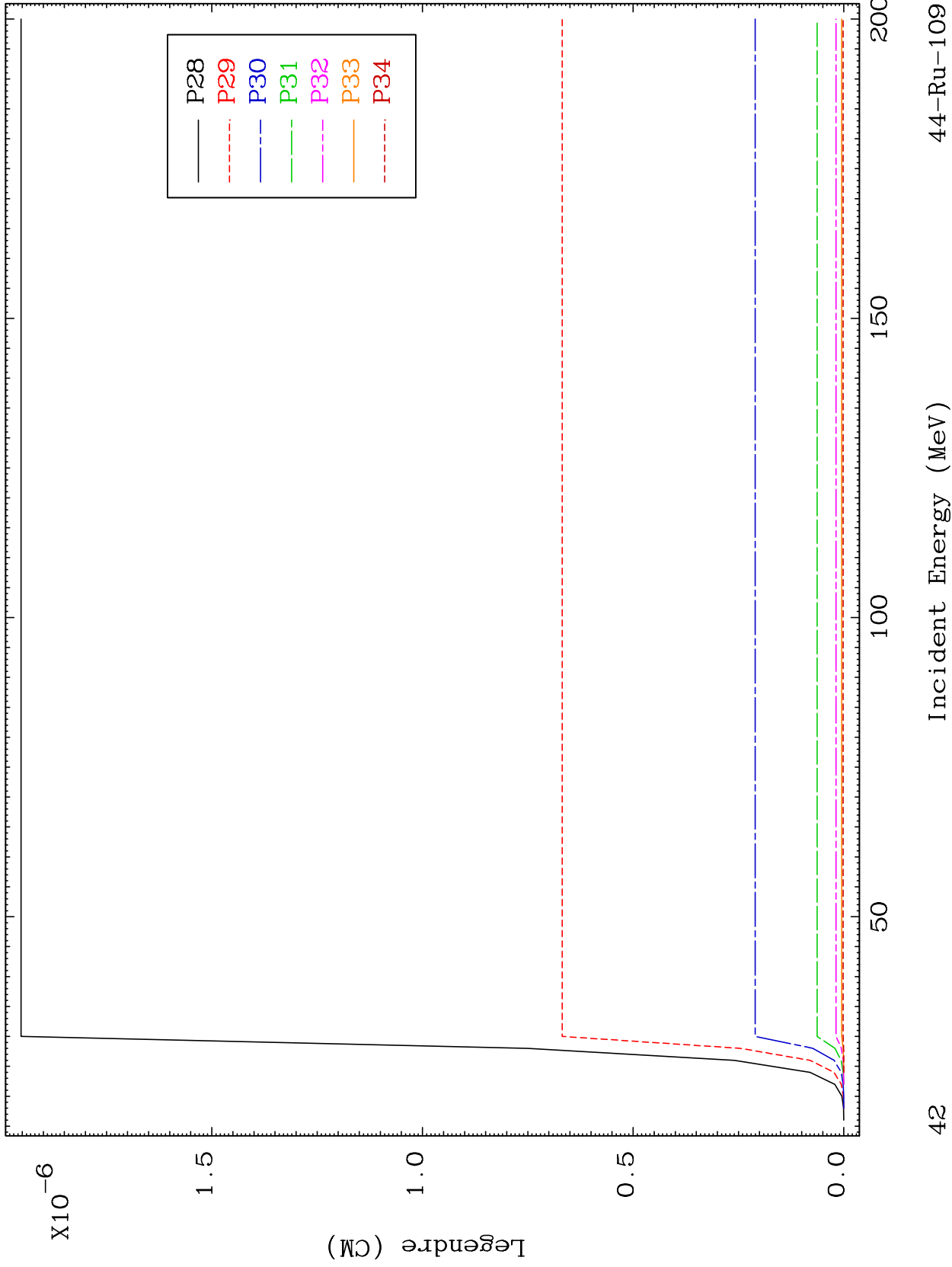
44-Ru-109



MAT 4464

191.1 keV (n,n') Level
Legendre Coefficients

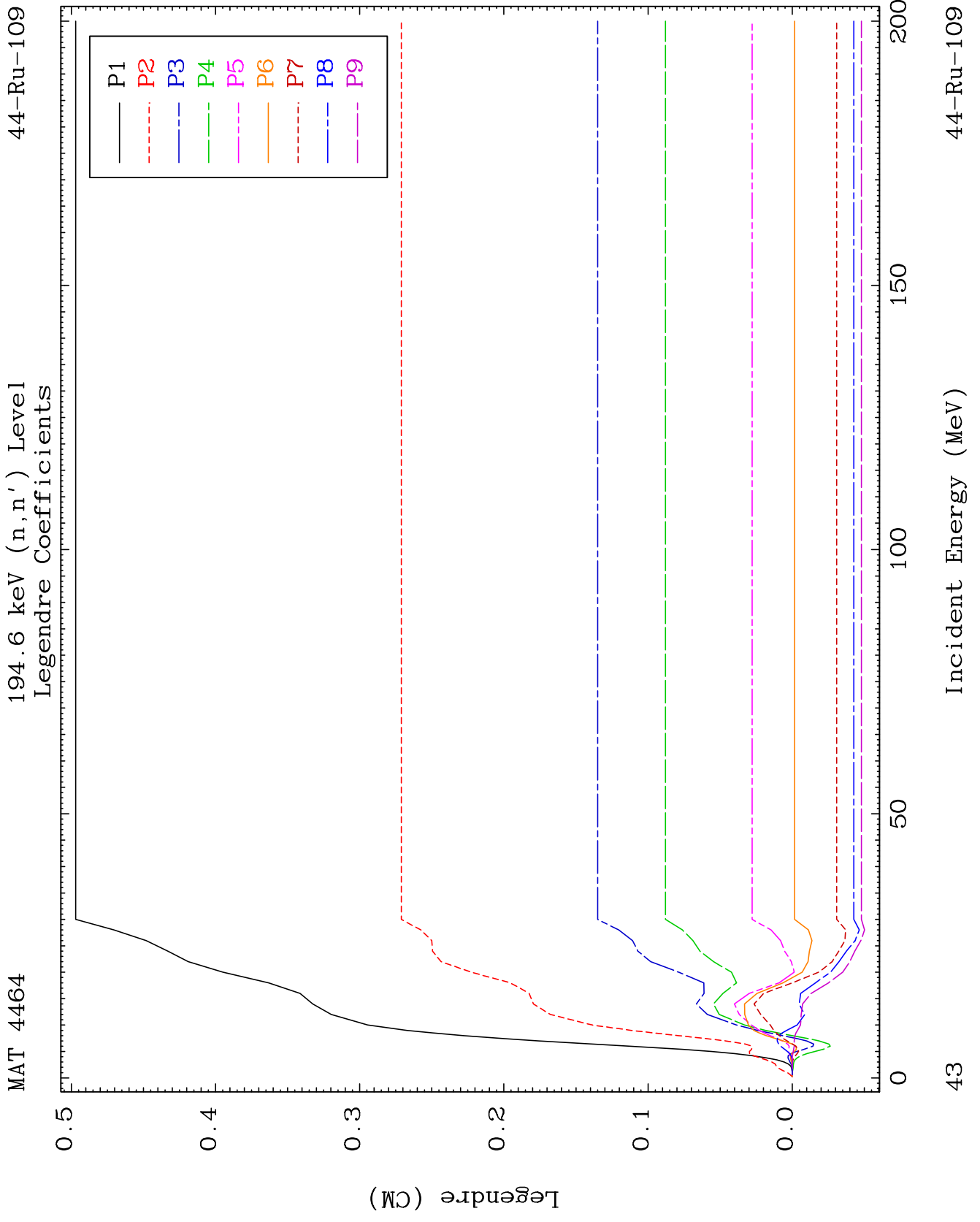
44-Ru-109



42

Incident Energy (MeV)

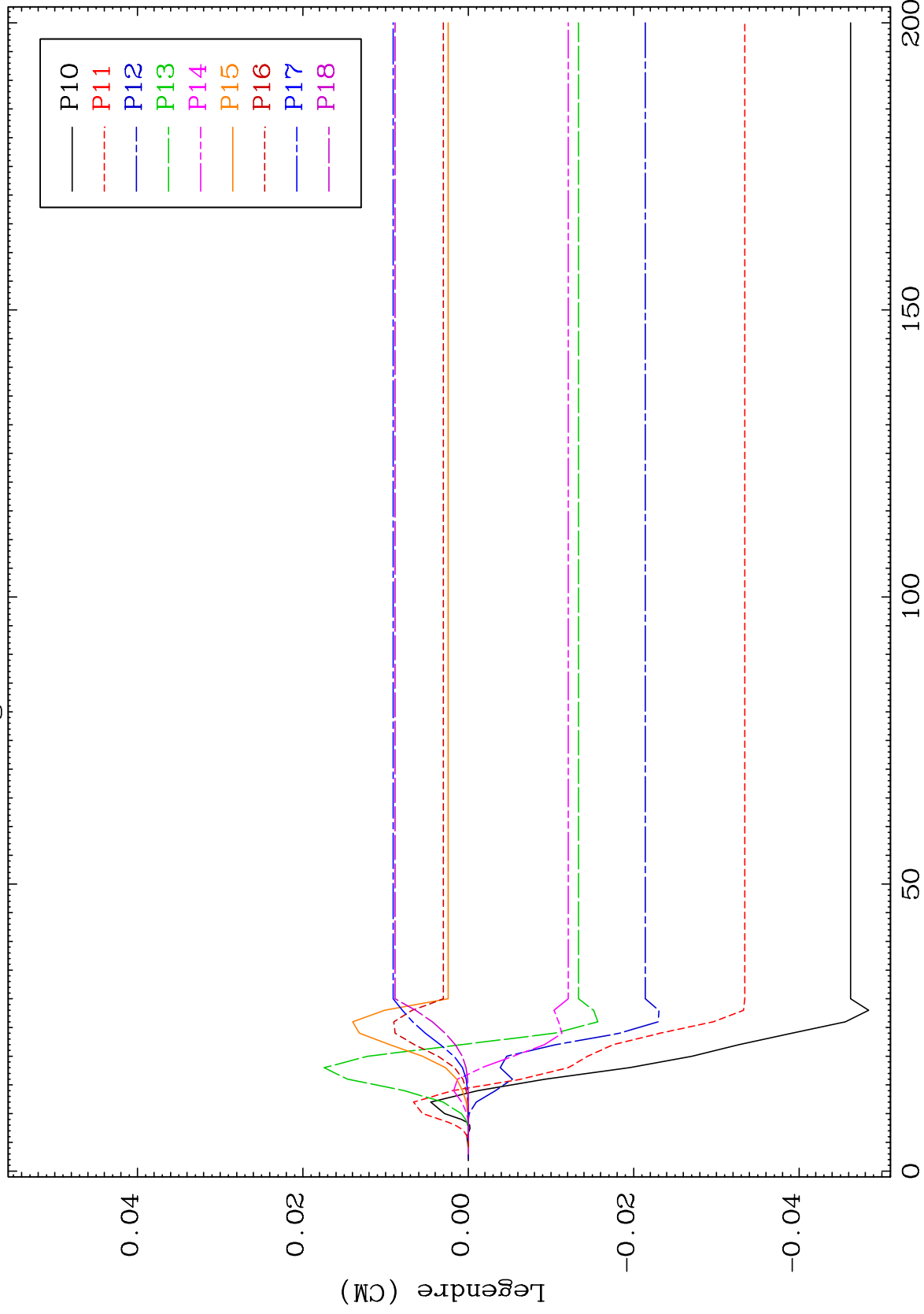
44-Ru-109



MAT 4464

194.6 keV (n, n') Level
Legendre Coefficients

44-Ru-109



44

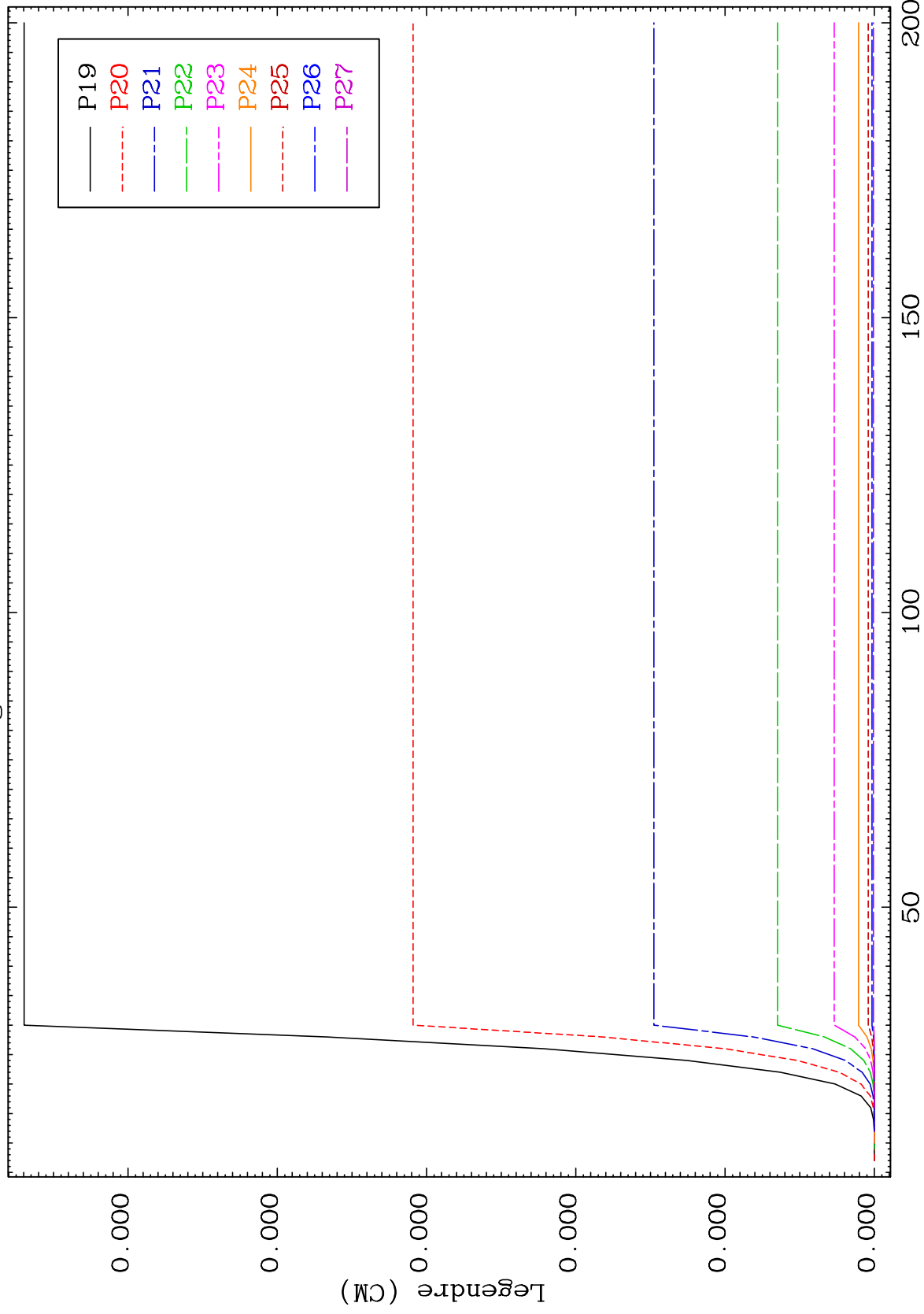
Incident Energy (MeV)

44-Ru-109

MAT 4464

194.6 keV (n,n') Level Legendre Coefficients

44-Ru-109



45

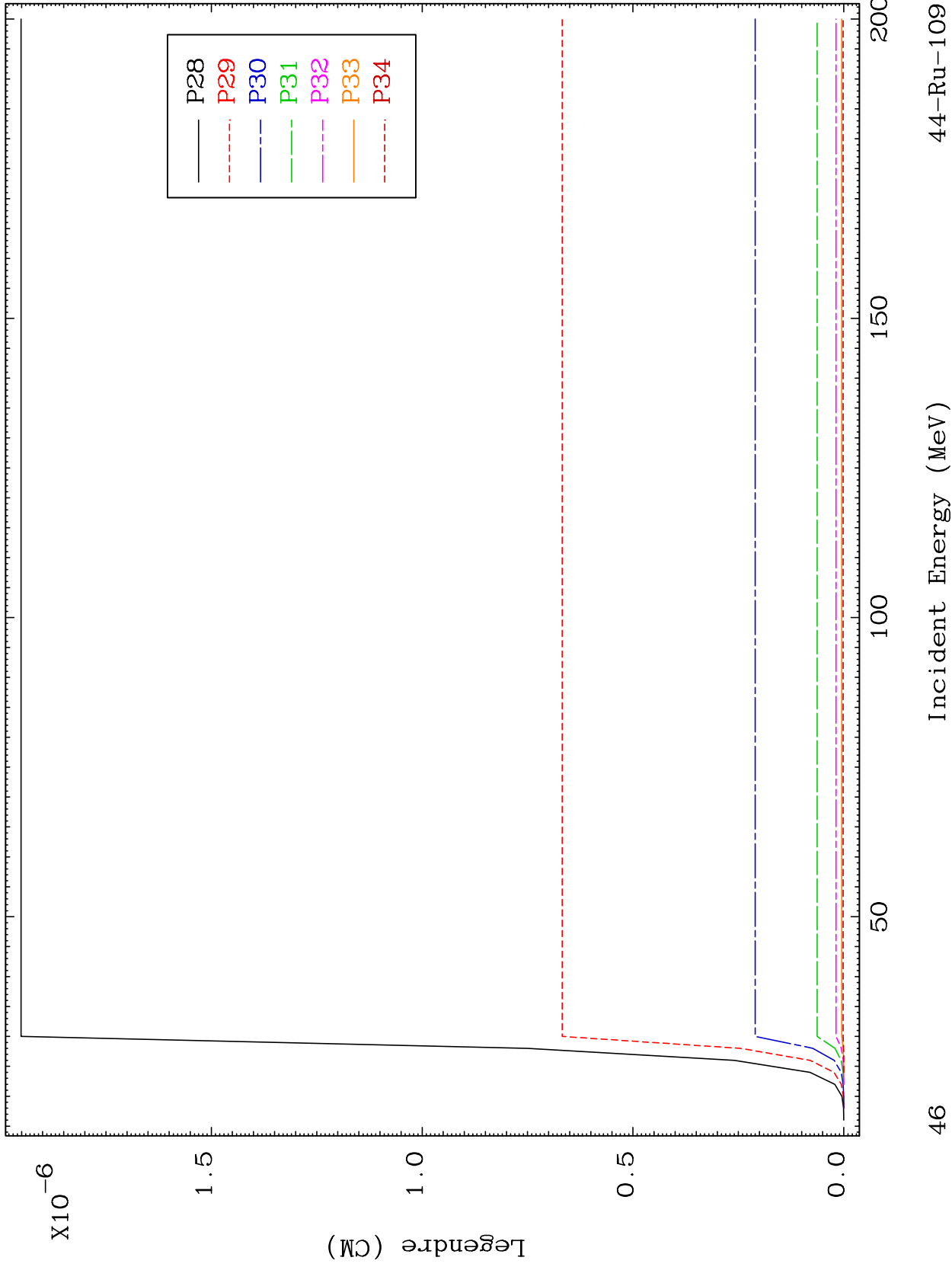
Incident Energy (MeV)

44-Ru-109

MAT 4464

194.6 keV (n, n') Level
Legendre Coefficients

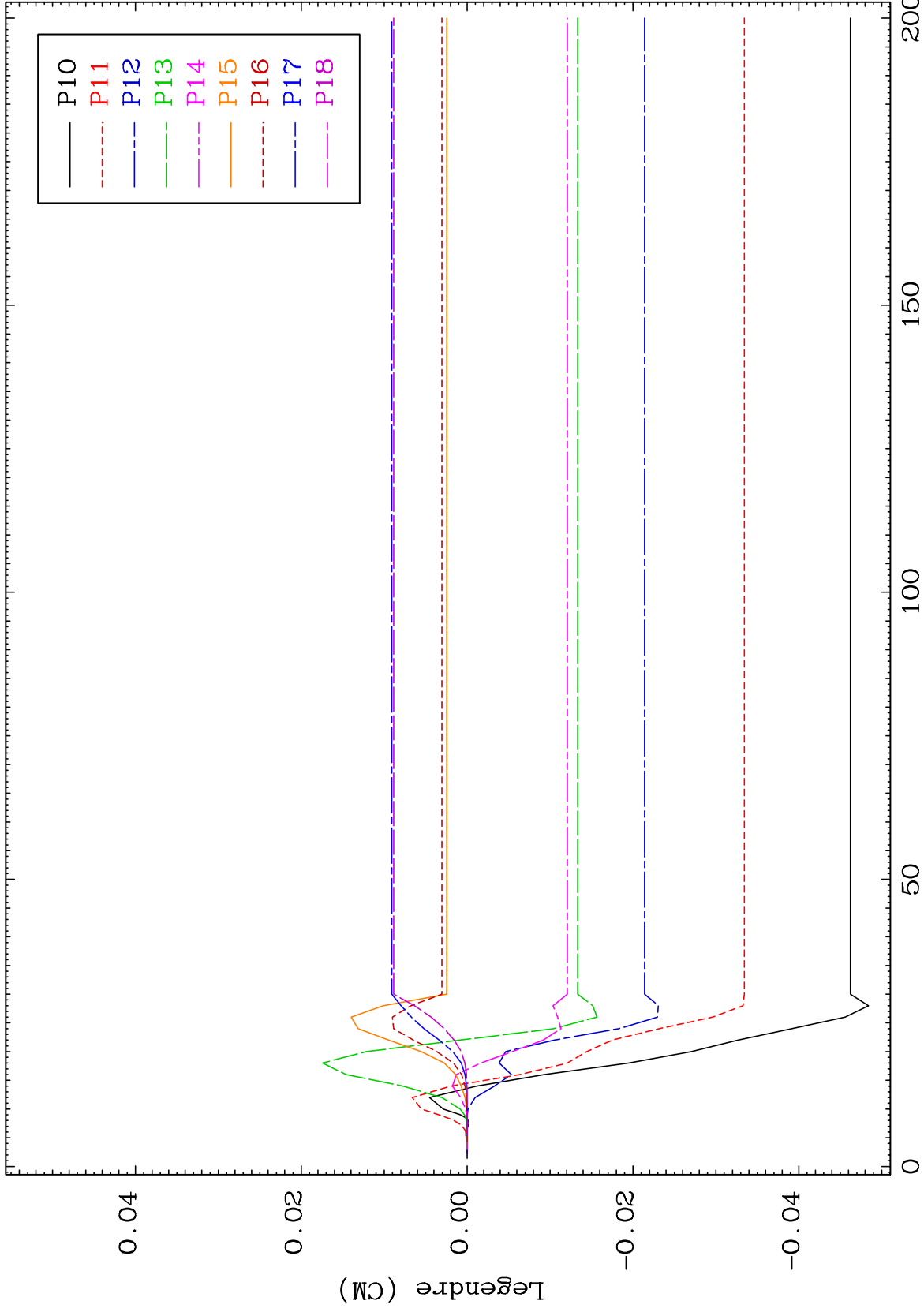
44-Ru-109



MAT 4464

197.5 keV (n,n') Level
Legendre Coefficients

44-Ru-109



48

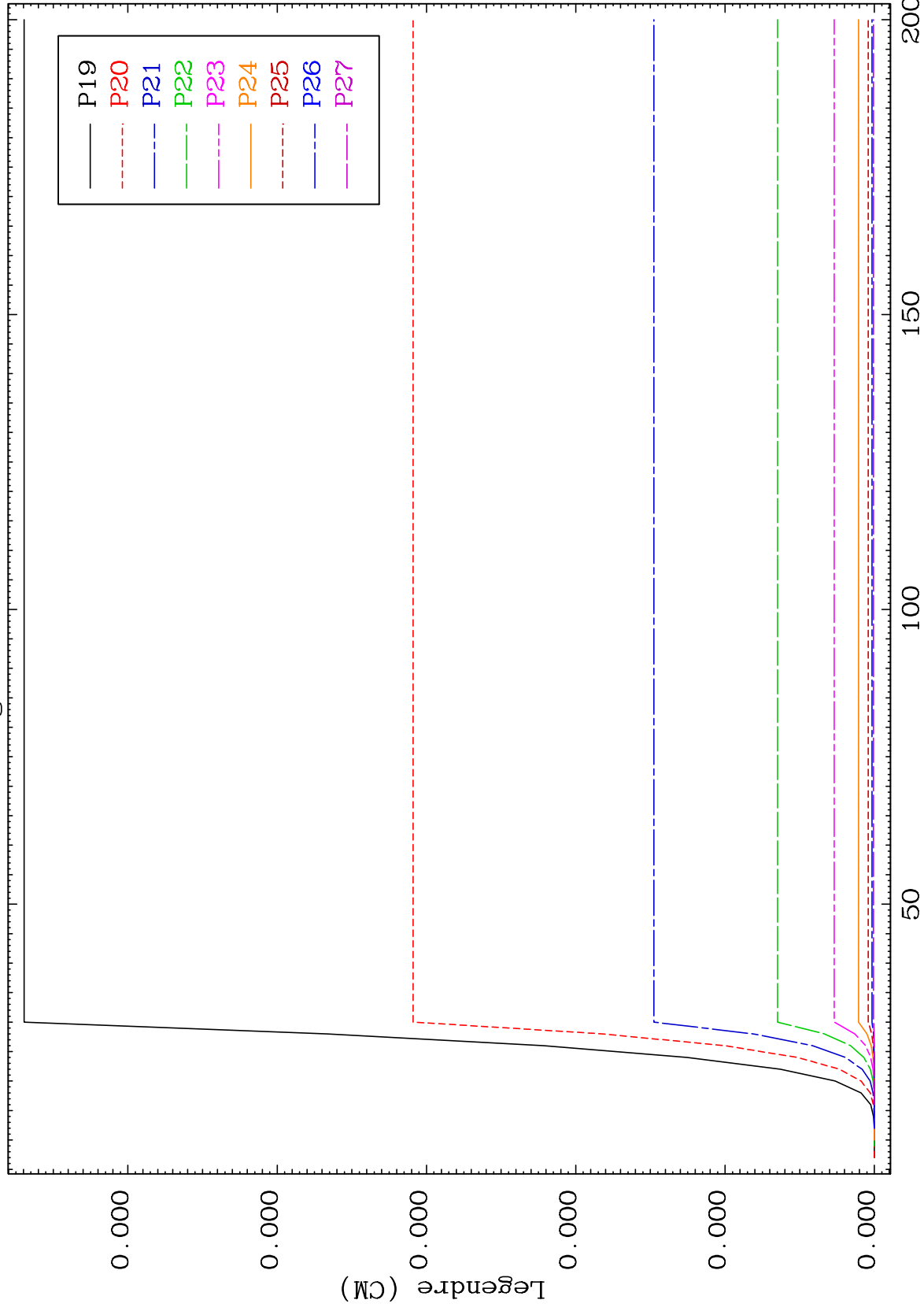
Incident Energy (MeV)

44-Ru-109

MAT 4464

197.5 keV (n,n') Level
Legendre Coefficients

44-Ru-109



49

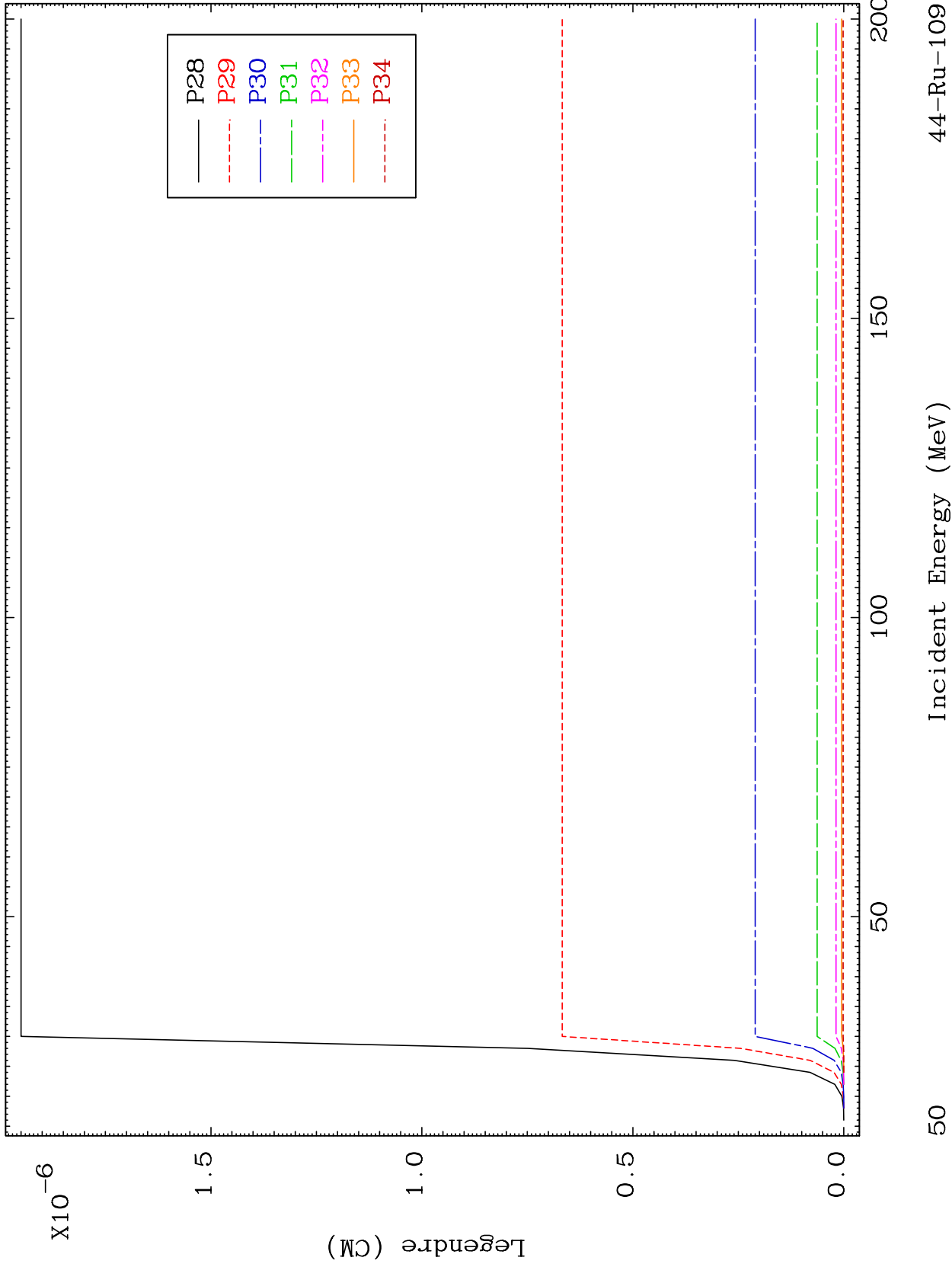
Incident Energy (MeV)

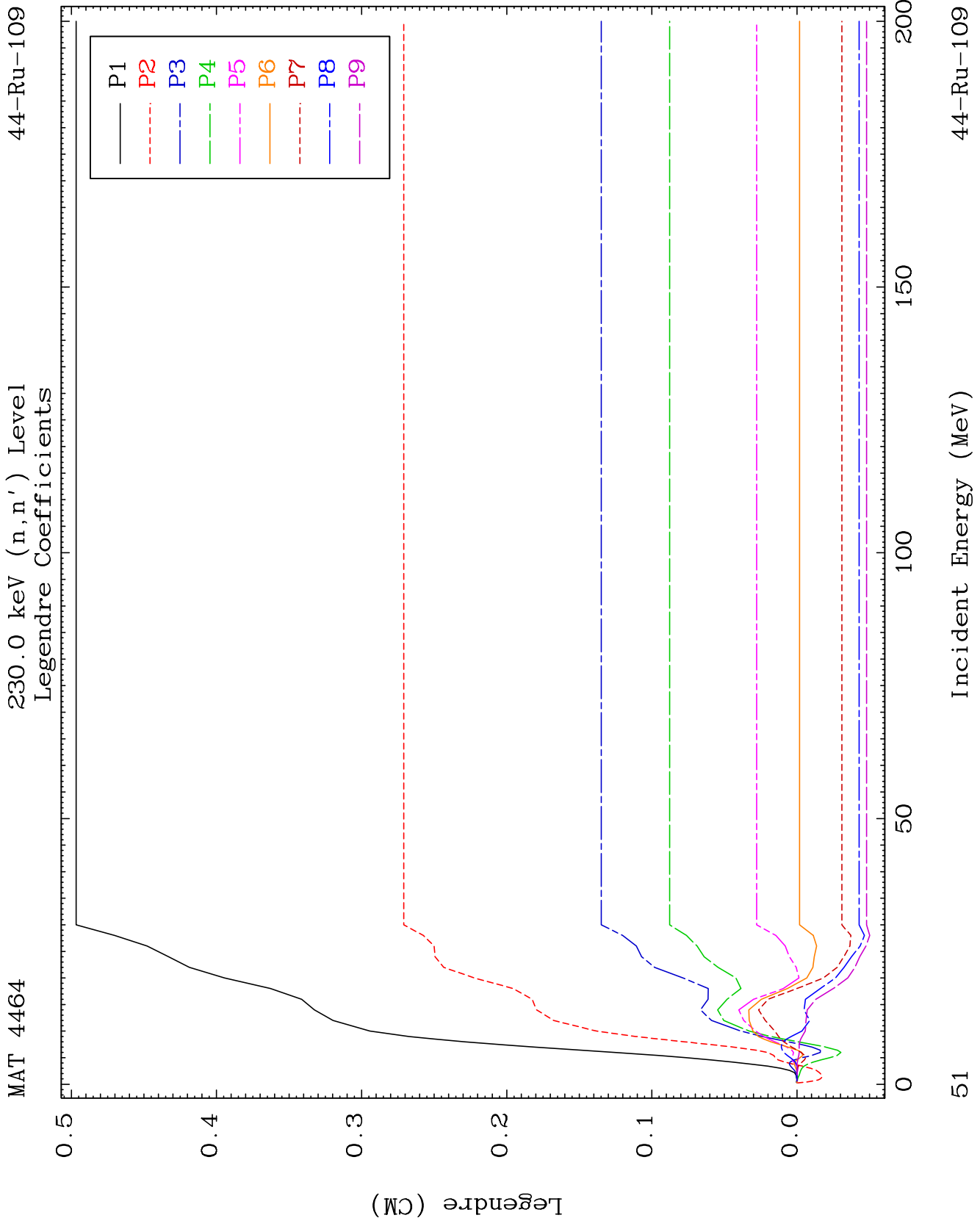
44-Ru-109

MAT 4464

197.5 keV (n, n') Level
Legendre Coefficients

44-Ru-109

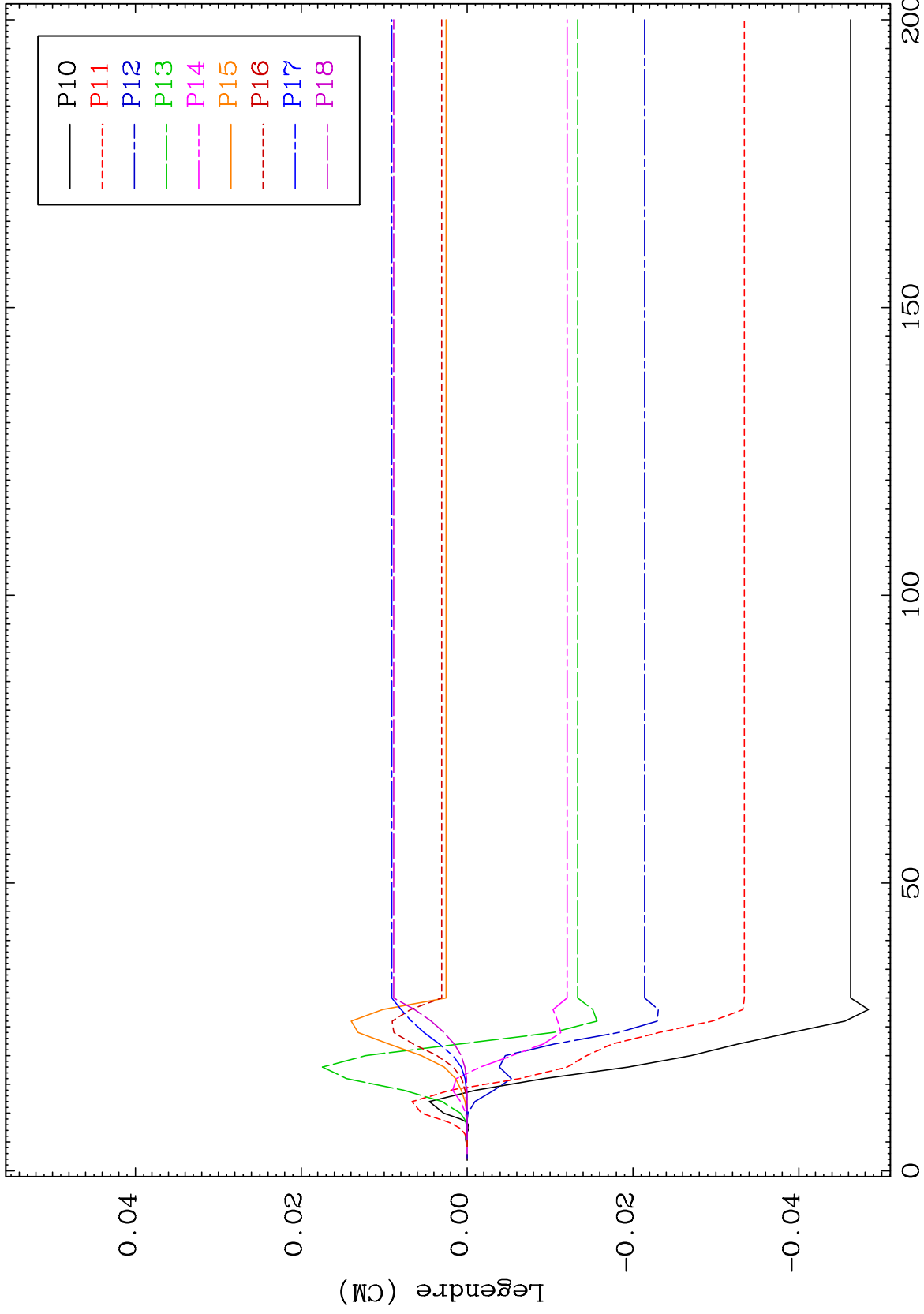




MAT 4464

230.0 keV (n,n') Level
Legendre Coefficients

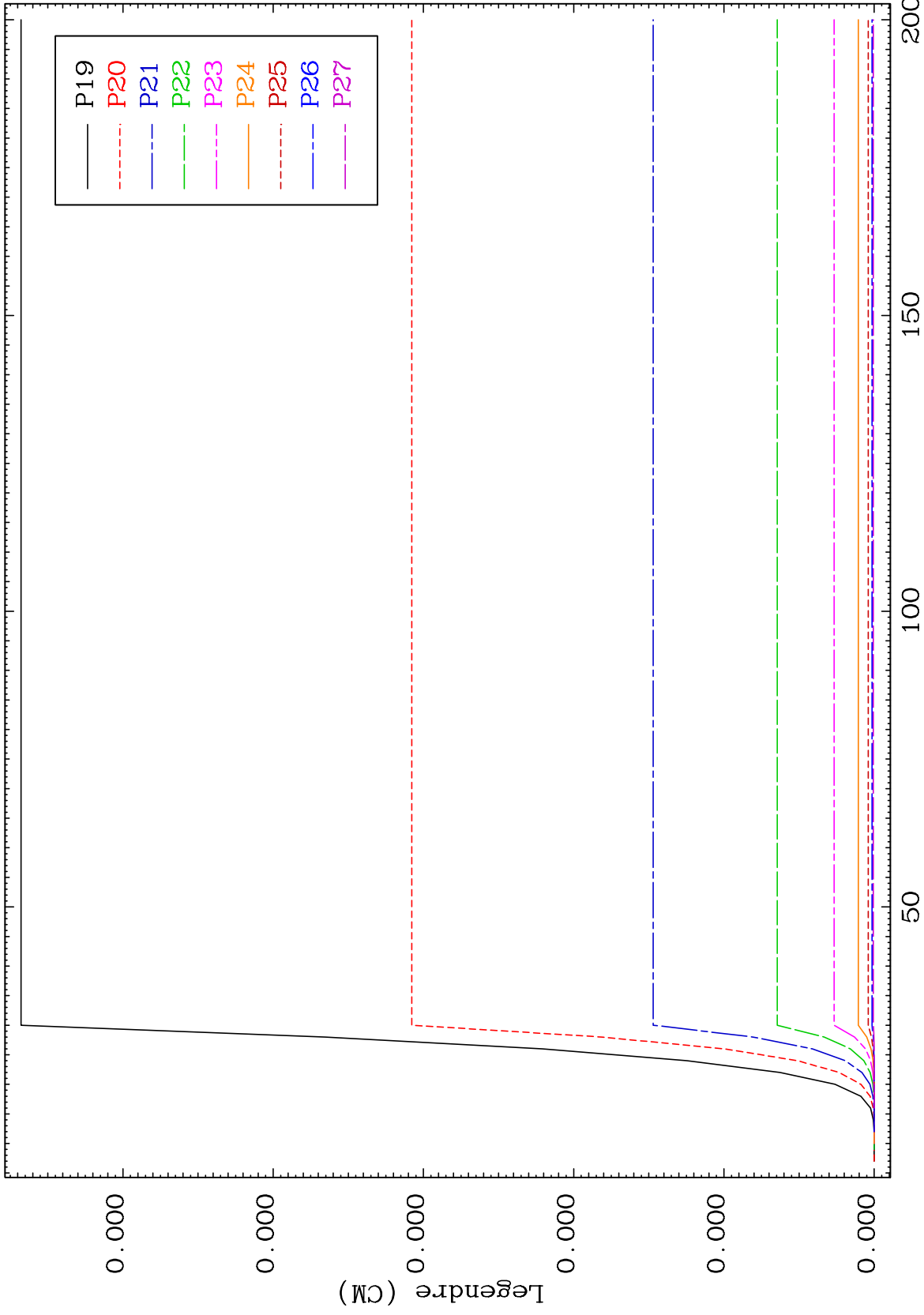
44-Ru-109



52

Incident Energy (MeV)

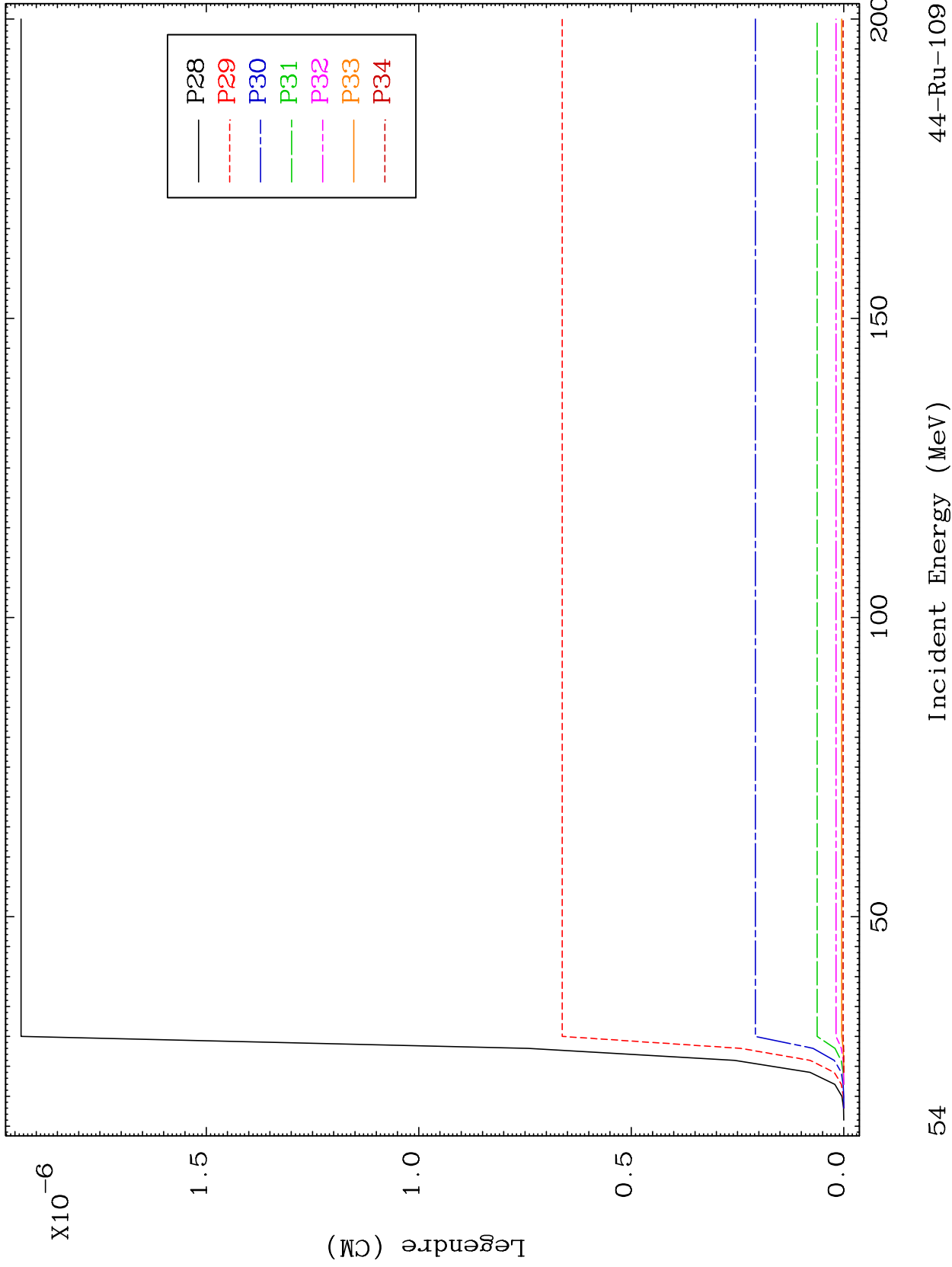
44-Ru-109



MAT 4464

230.0 keV (n,n') Level
Legendre Coefficients

44-Ru-109



54

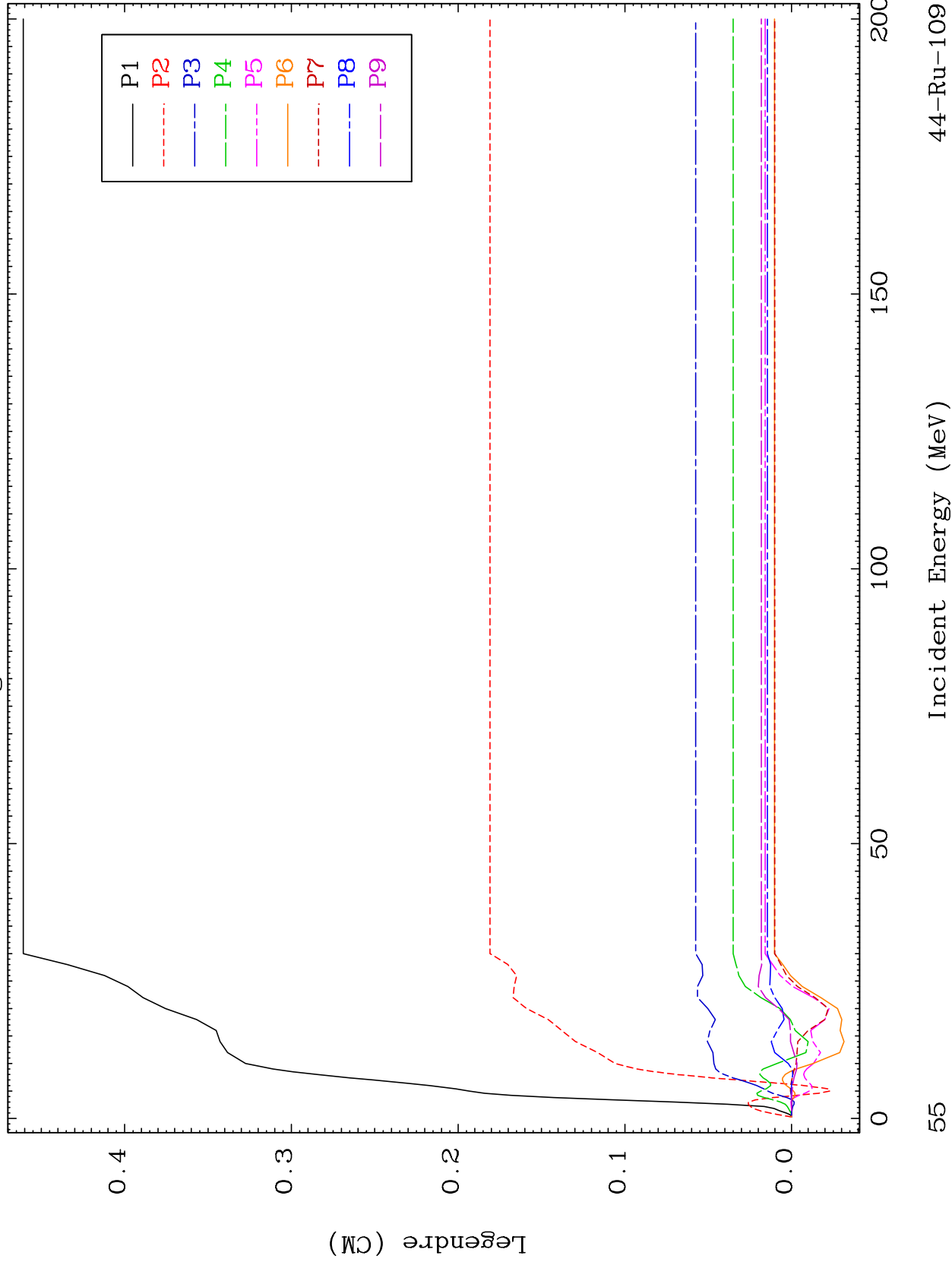
Incident Energy (MeV)

44-Ru-109

MAT 4464

255.7 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

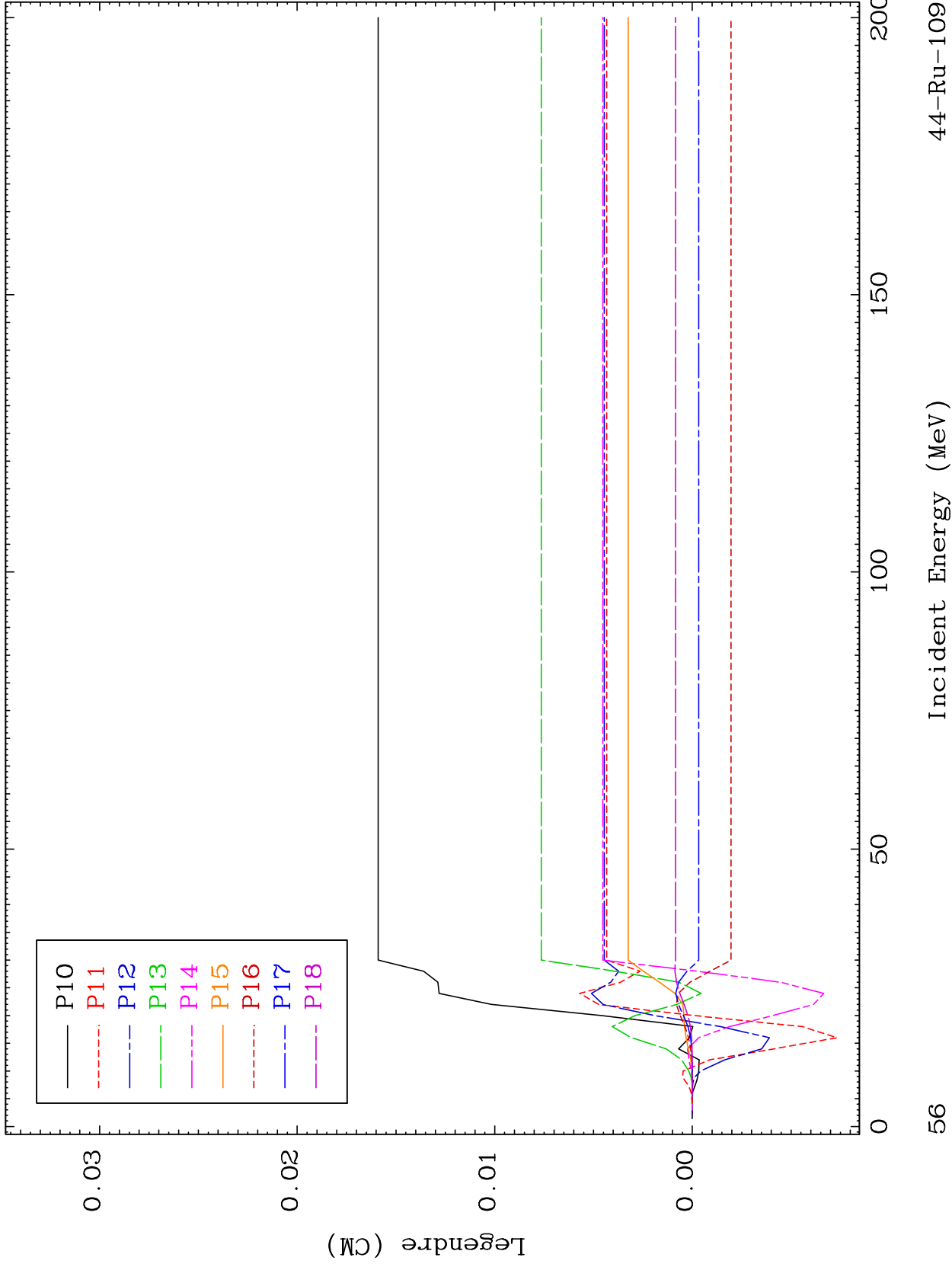
Incident Energy (MeV)

55

MAT 4464

255.7 keV (n, n') Level
Legendre Coefficients

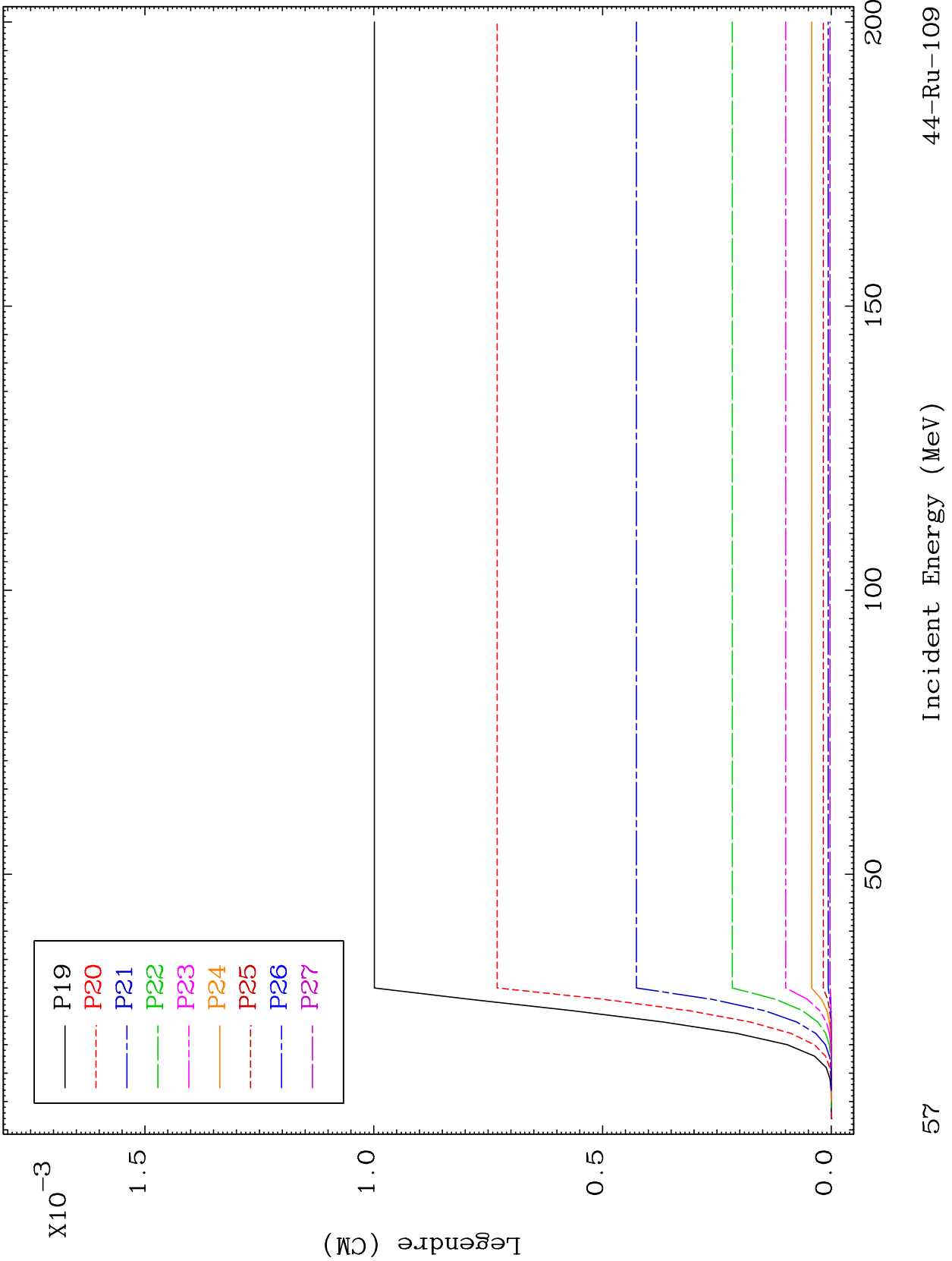
44-Ru-109

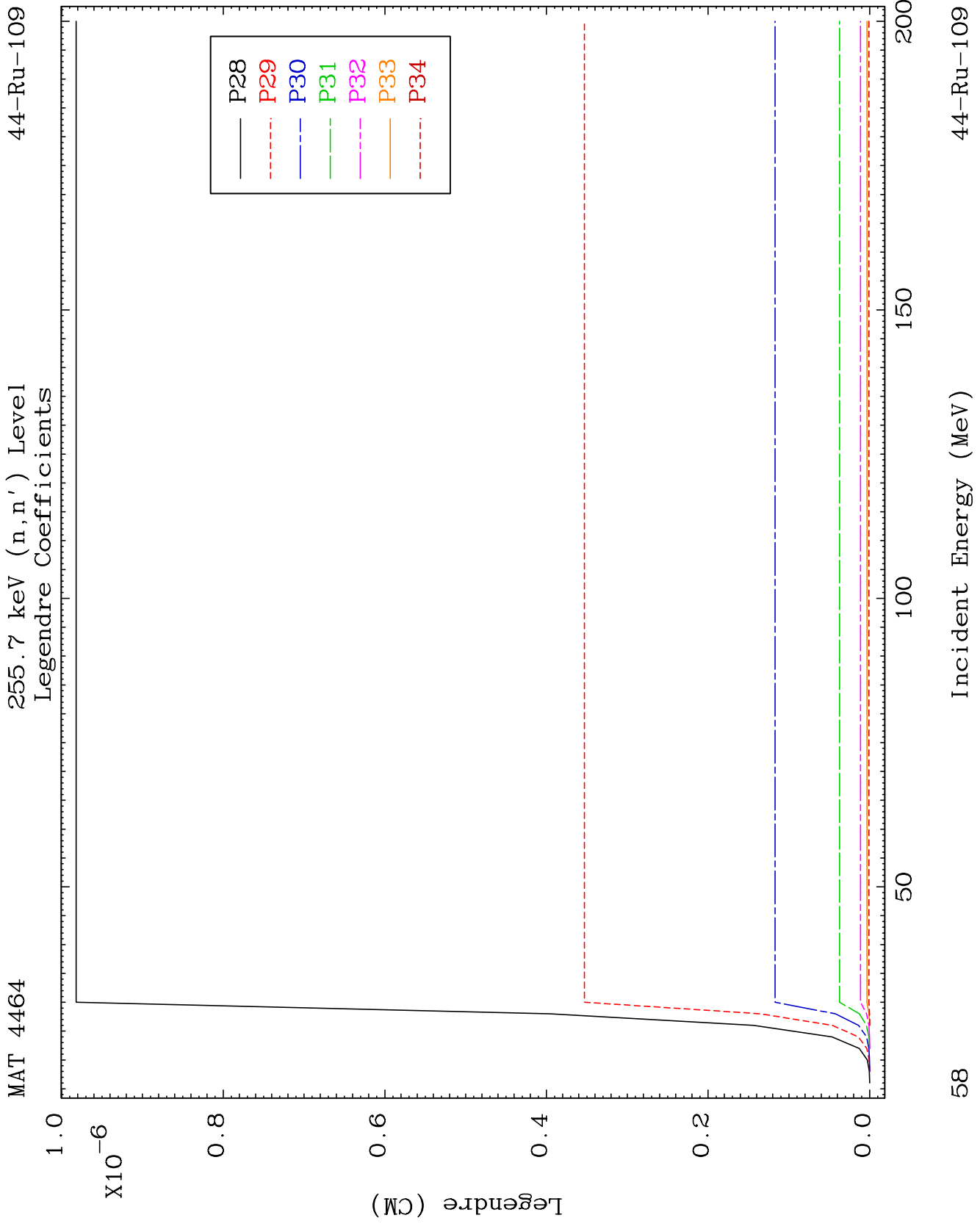


56

Incident Energy (MeV)

44-Ru-109

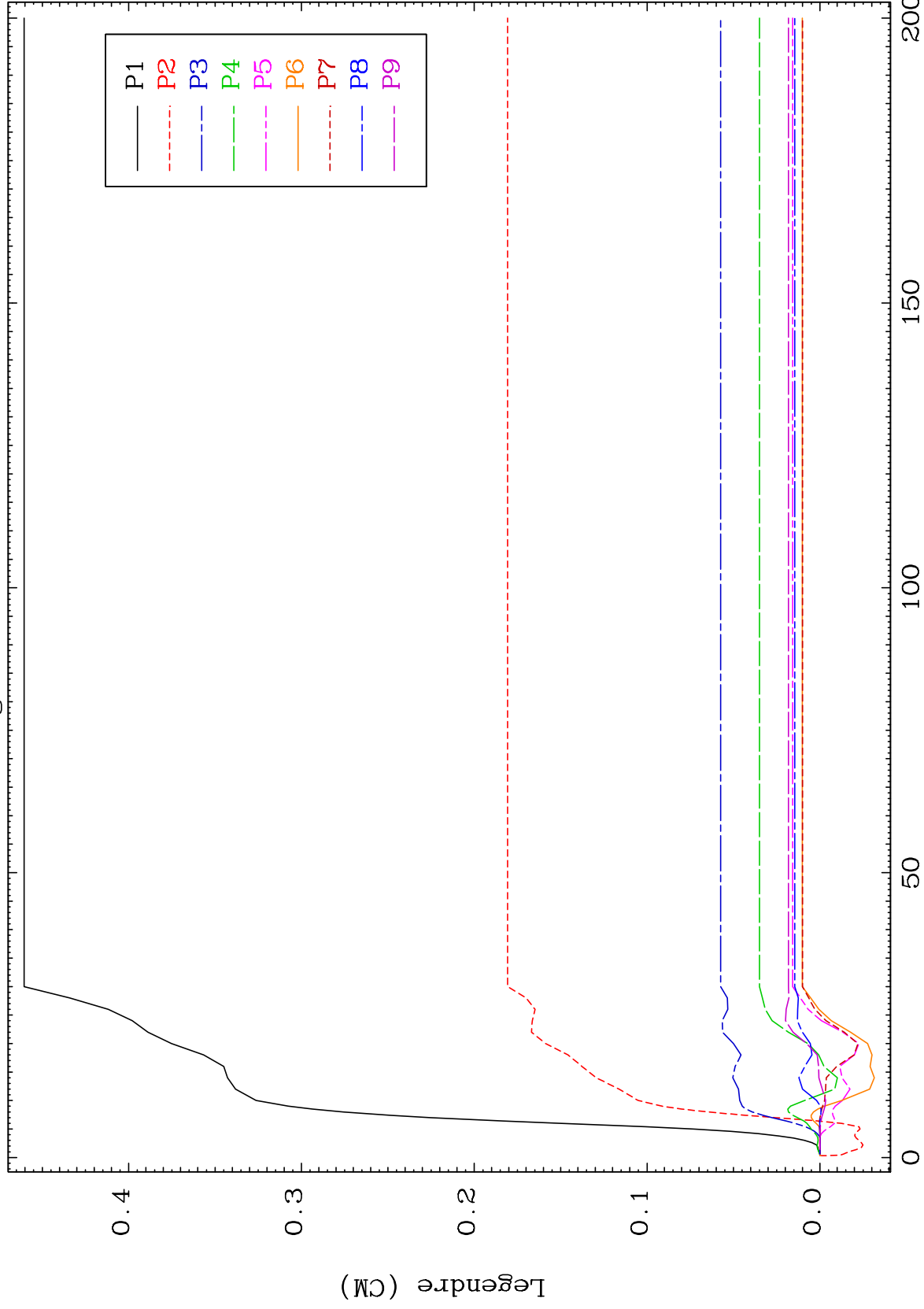




MAT 4464

304.0 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

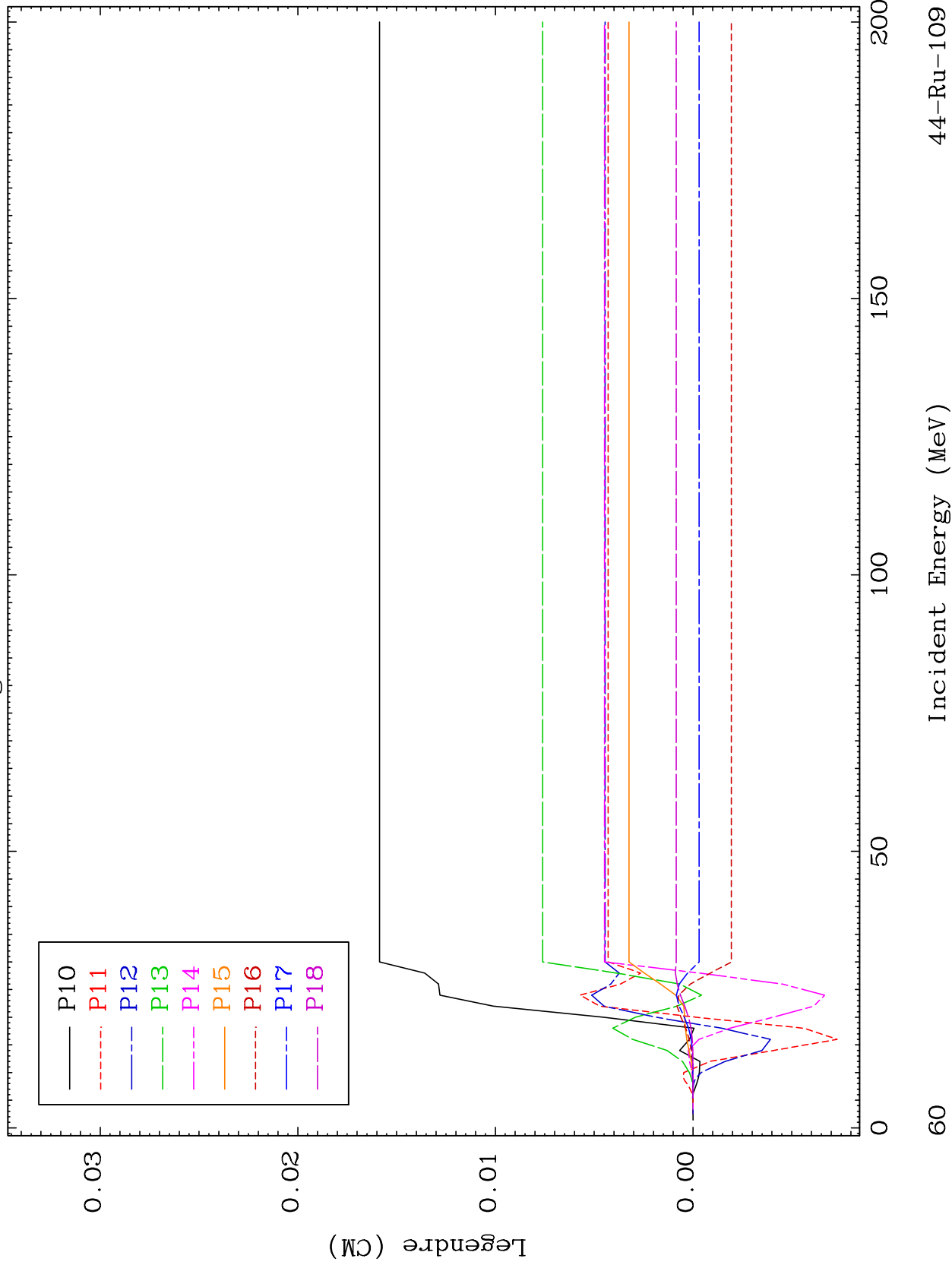
Incident Energy (MeV)

59

MAT 4464

304.0 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

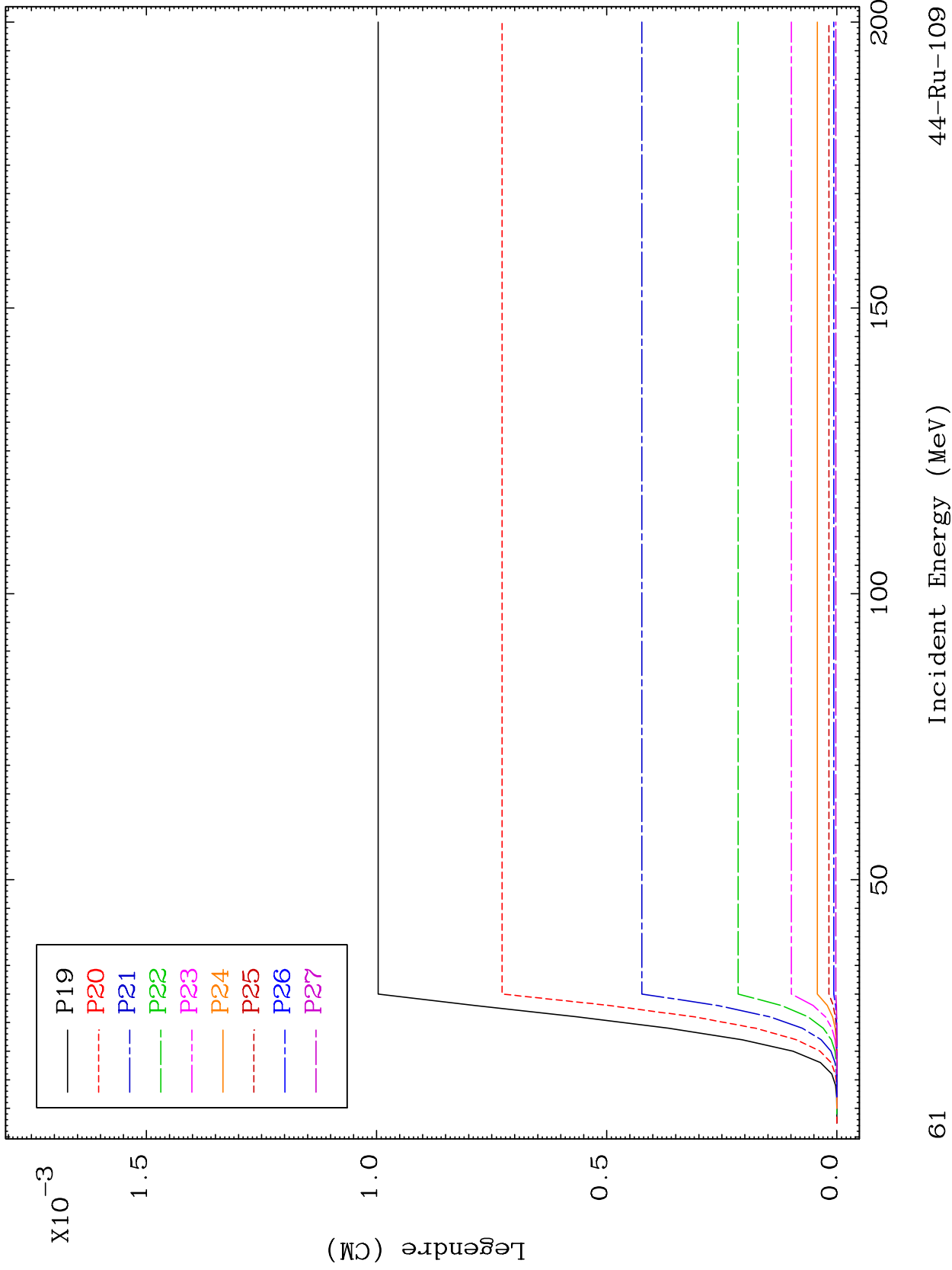
Incident Energy (MeV)

60

MAT 4464

304.0 keV (n,n') Level
Legendre Coefficients

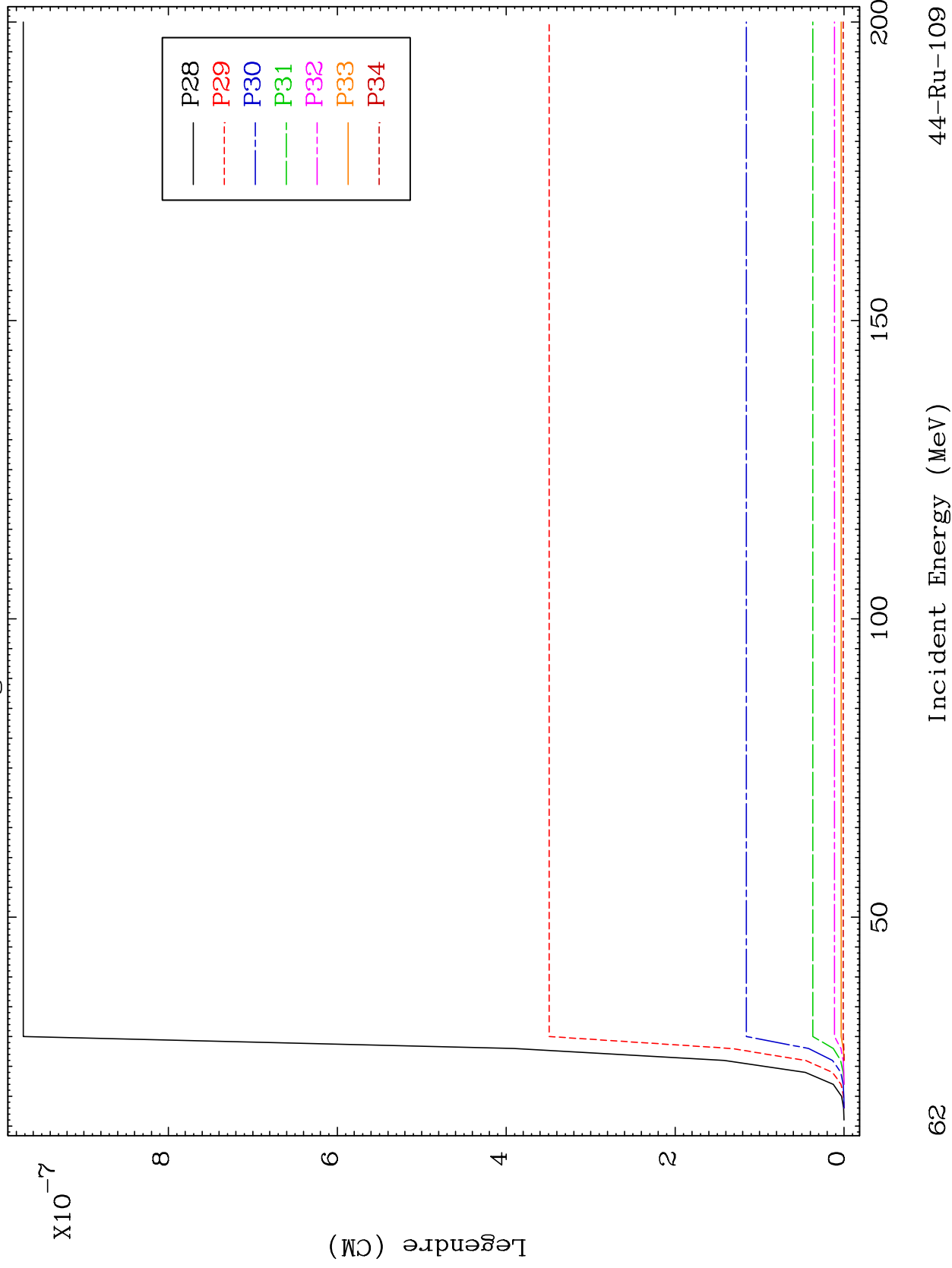
44-Ru-109



MAT 4464

304.0 keV (n,n') Level
Legendre Coefficients

44-Ru-109



62

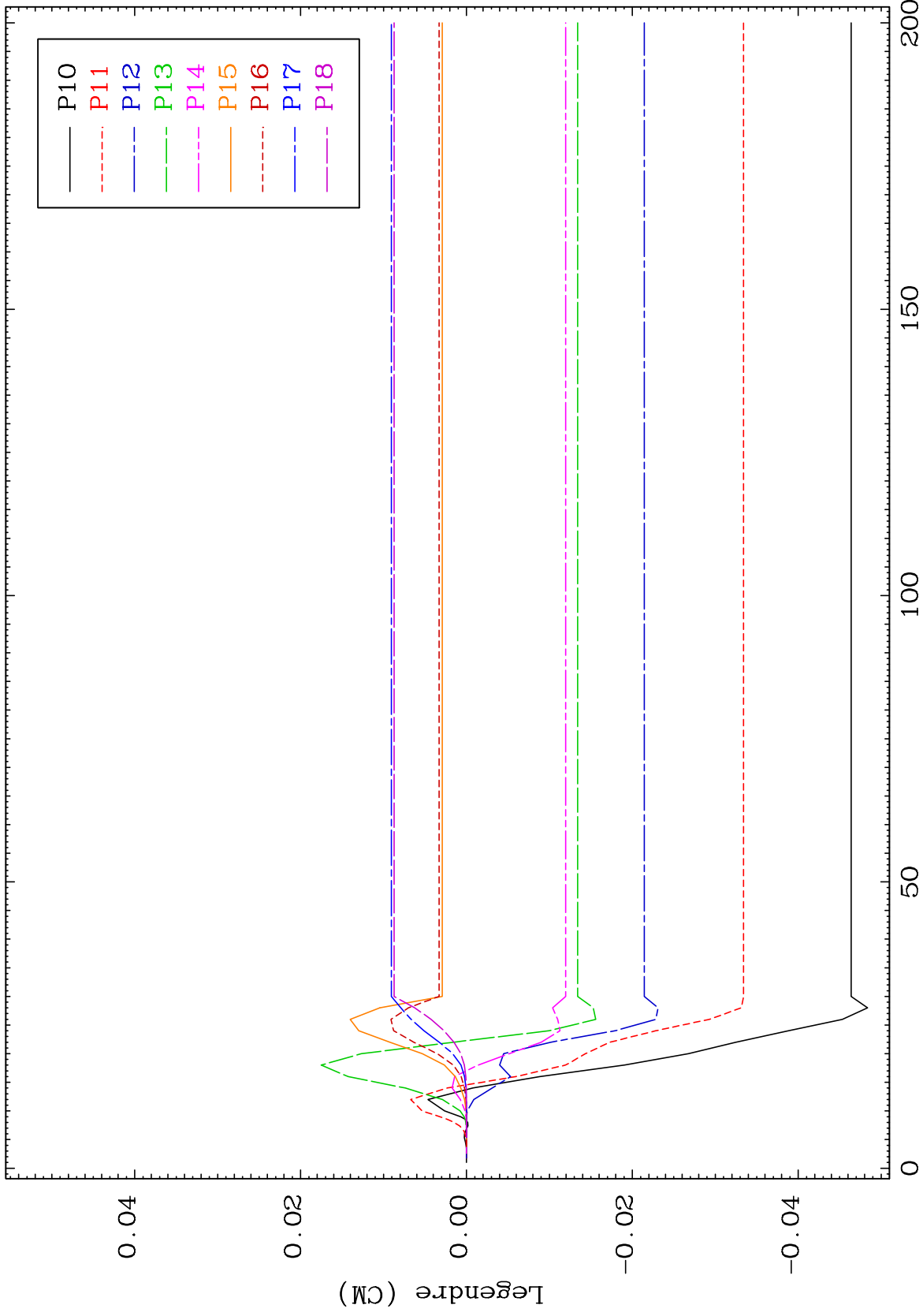
Incident Energy (MeV)

44-Ru-109

MAT 4464

405.4 keV (n,n') Level
Legendre Coefficients

44-Ru-109



64

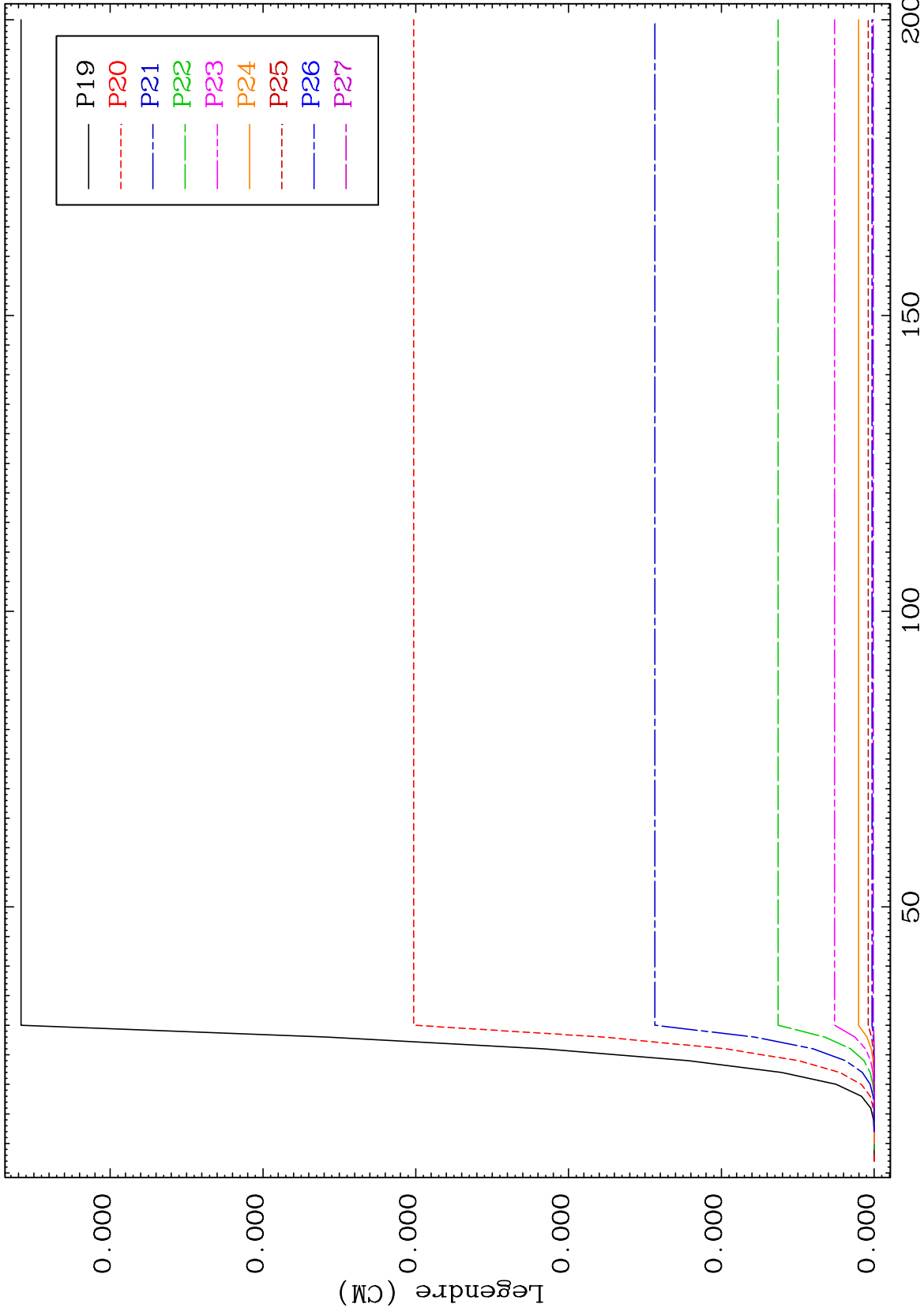
Incident Energy (MeV)

44-Ru-109

MAT 4464

405.4 keV (n,n') Level
Legendre Coefficients

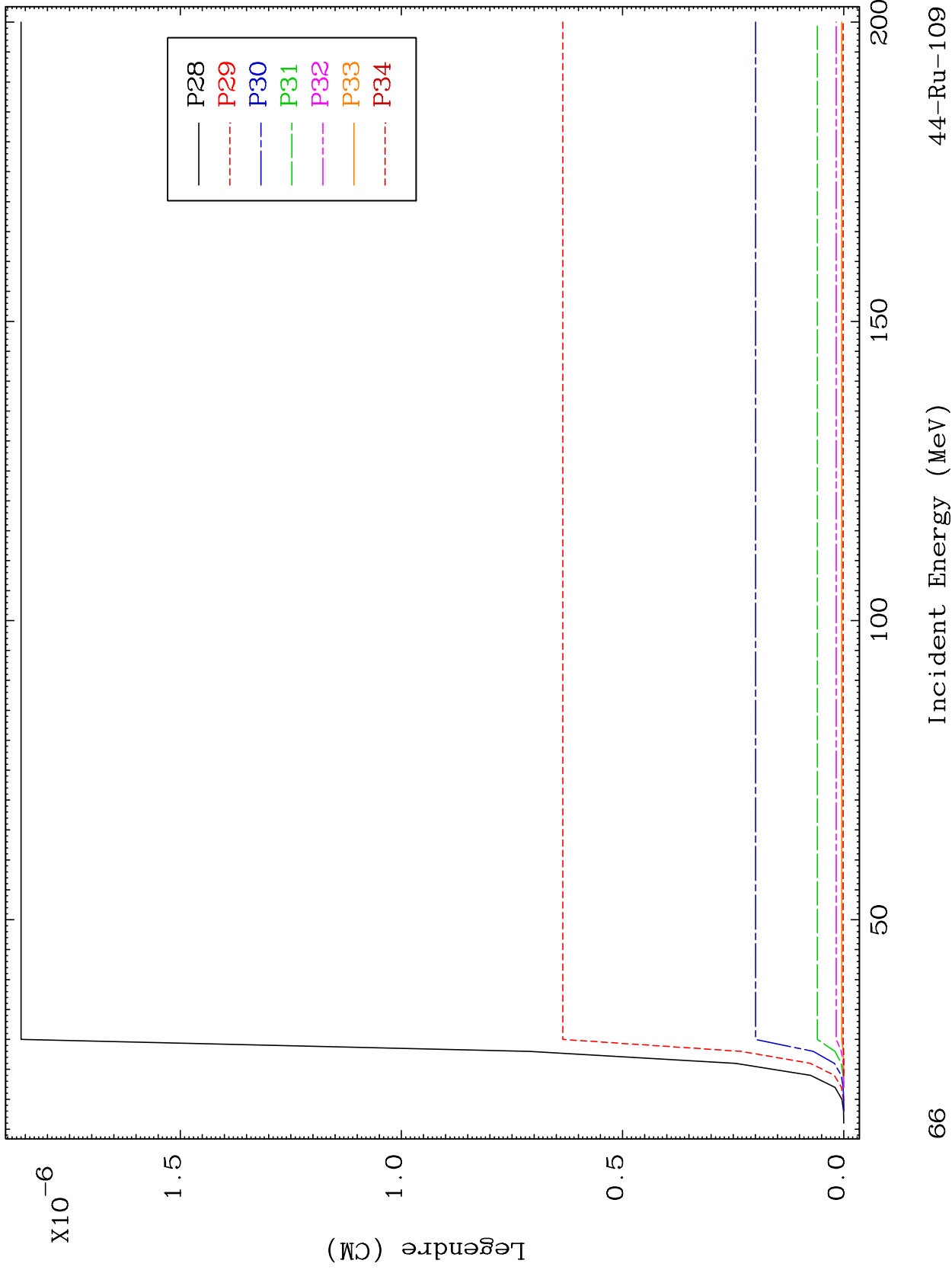
44-Ru-109



65

Incident Energy (MeV)

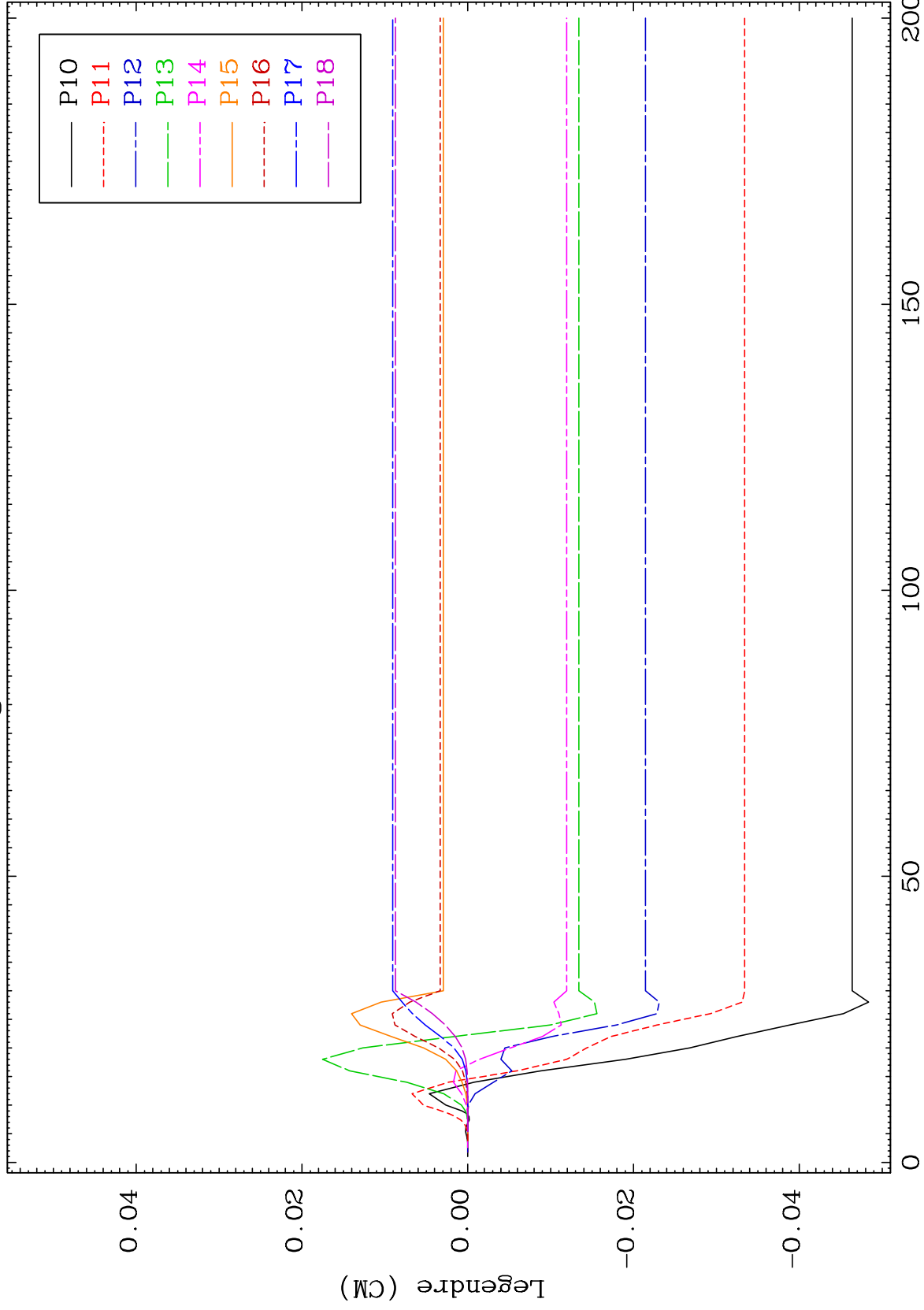
44-Ru-109



MAT 4464

407.8 keV (n, n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

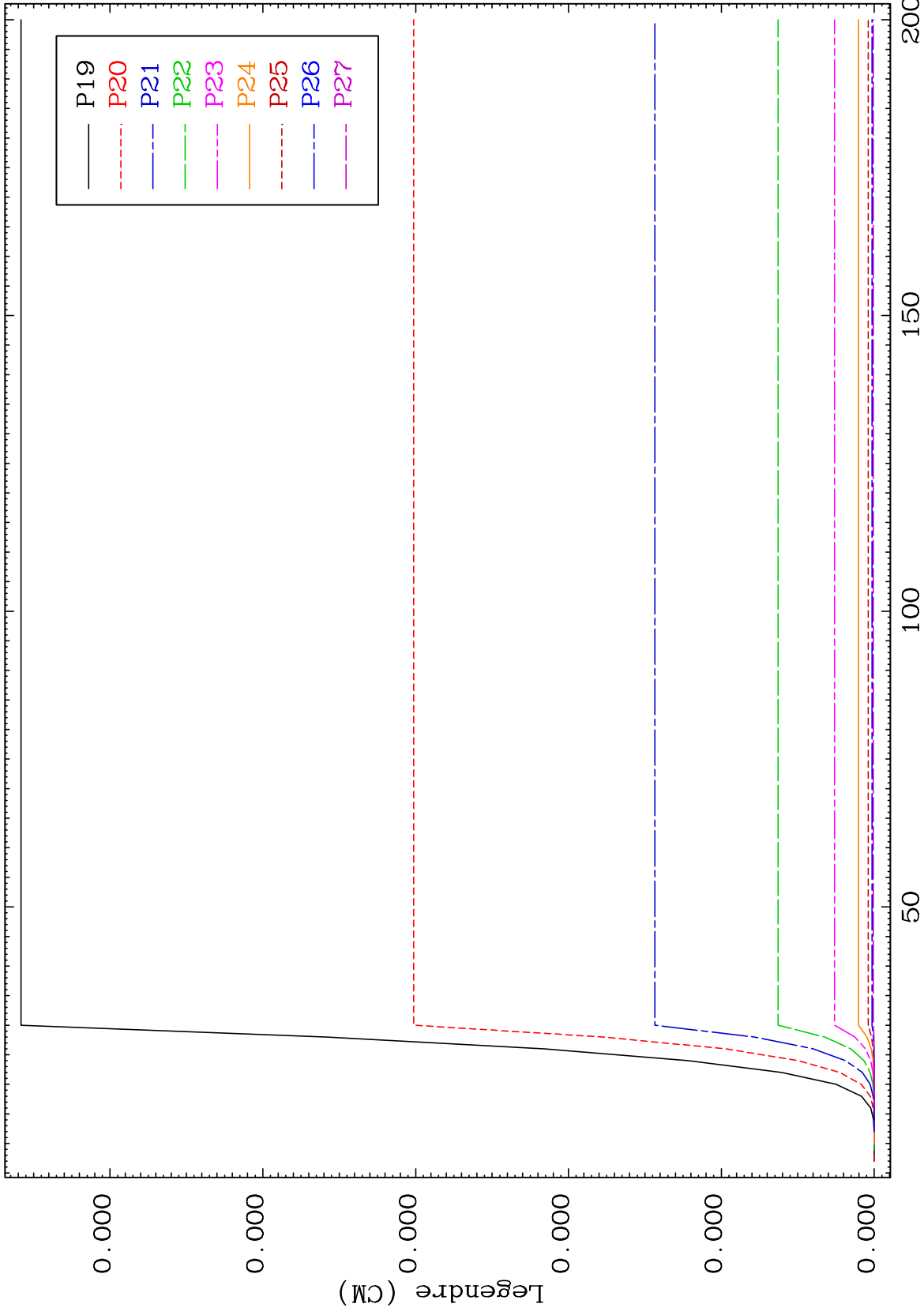
Incident Energy (MeV)

68

MAT 4464

407.8 keV (n,n') Level
Legendre Coefficients

44-Ru-109



69

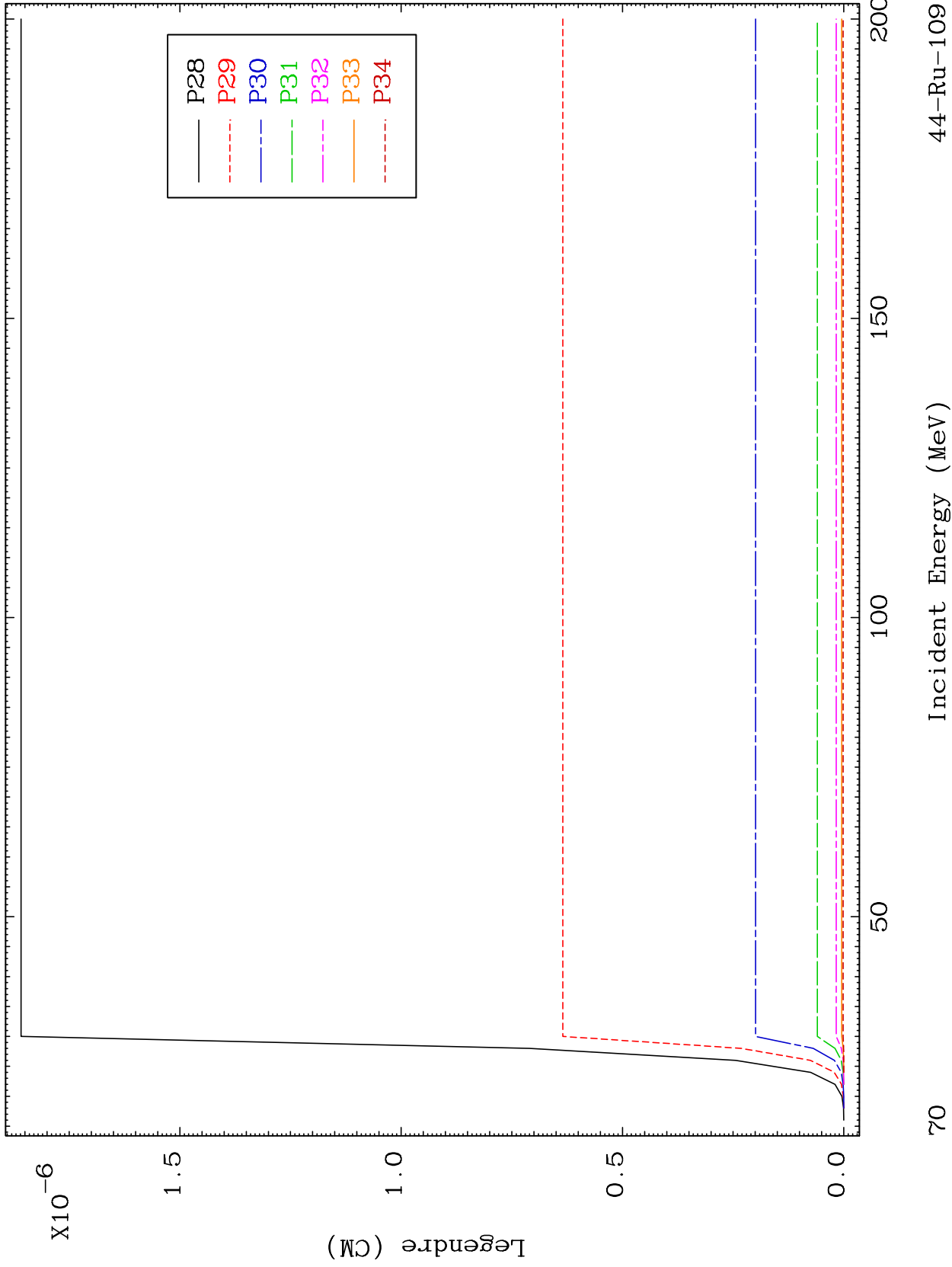
Incident Energy (MeV)

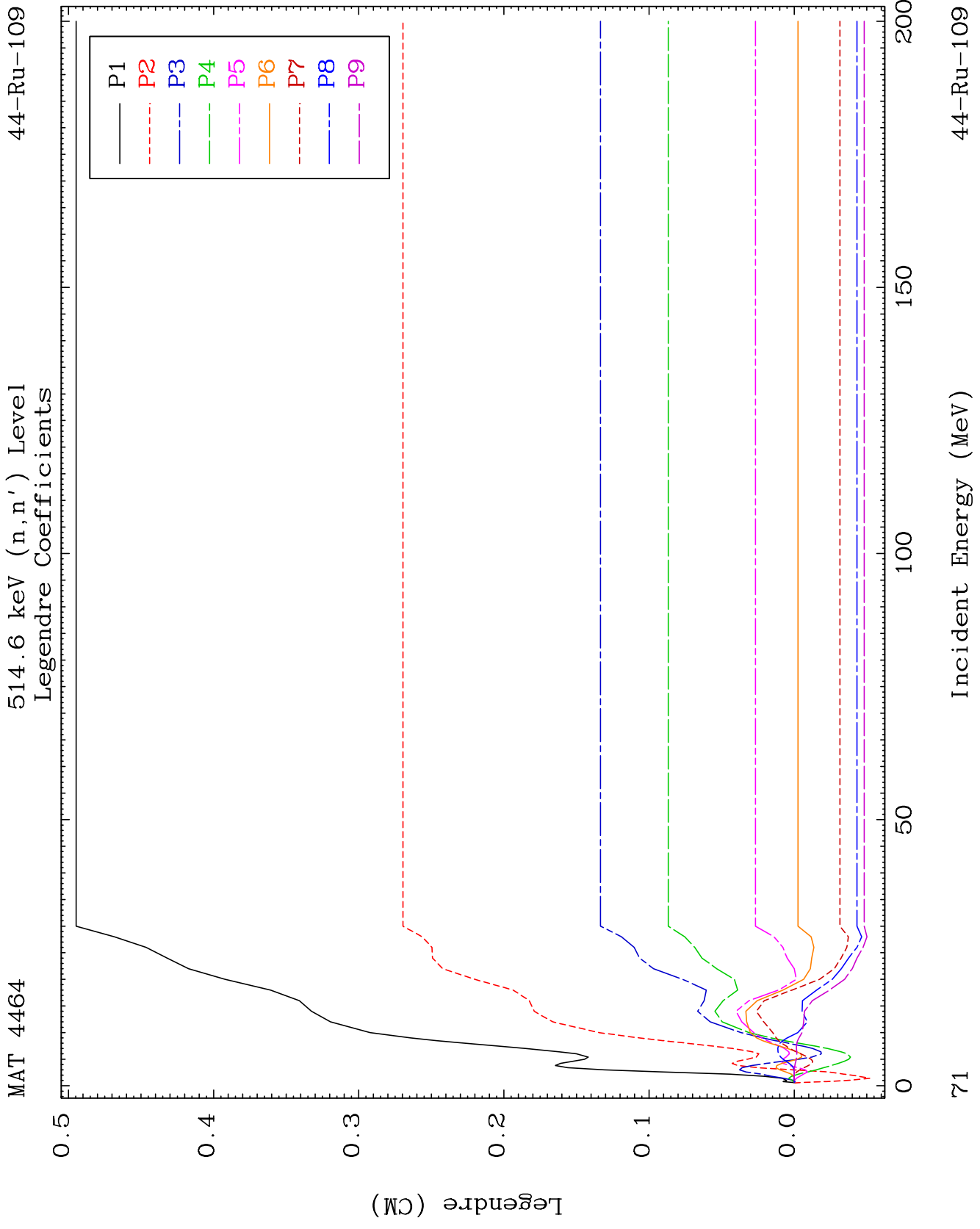
44-Ru-109

MAT 4464

407.8 keV (n, n') Level
Legendre Coefficients

44-Ru-109

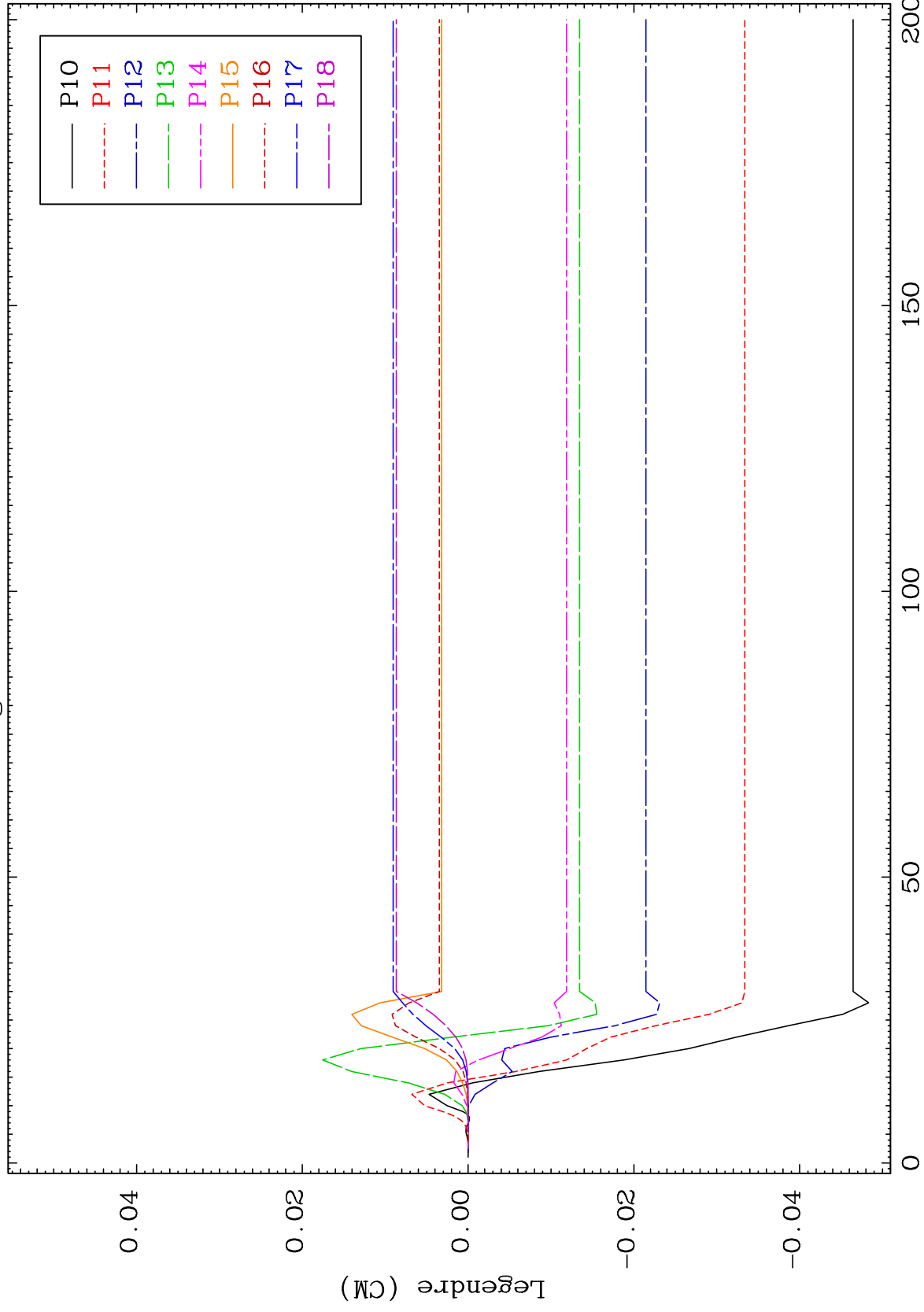




MAT 4464

514.6 keV (n, n') Level
Legendre Coefficients

44-Ru-109



72

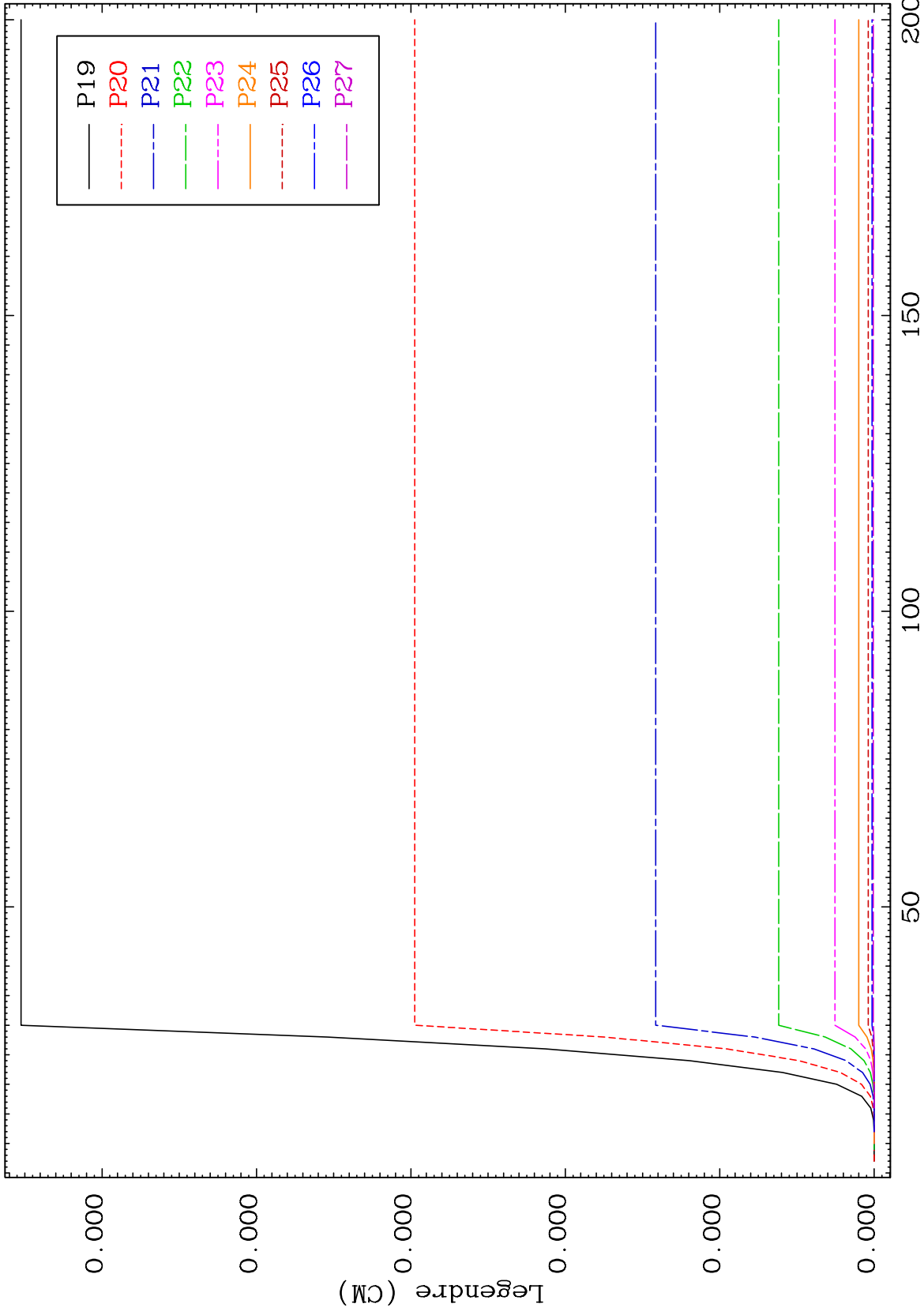
Incident Energy (MeV)

44-Ru-109

MAT 4464

514.6 keV (n, n') Level
Legendre Coefficients

44-Ru-109



73

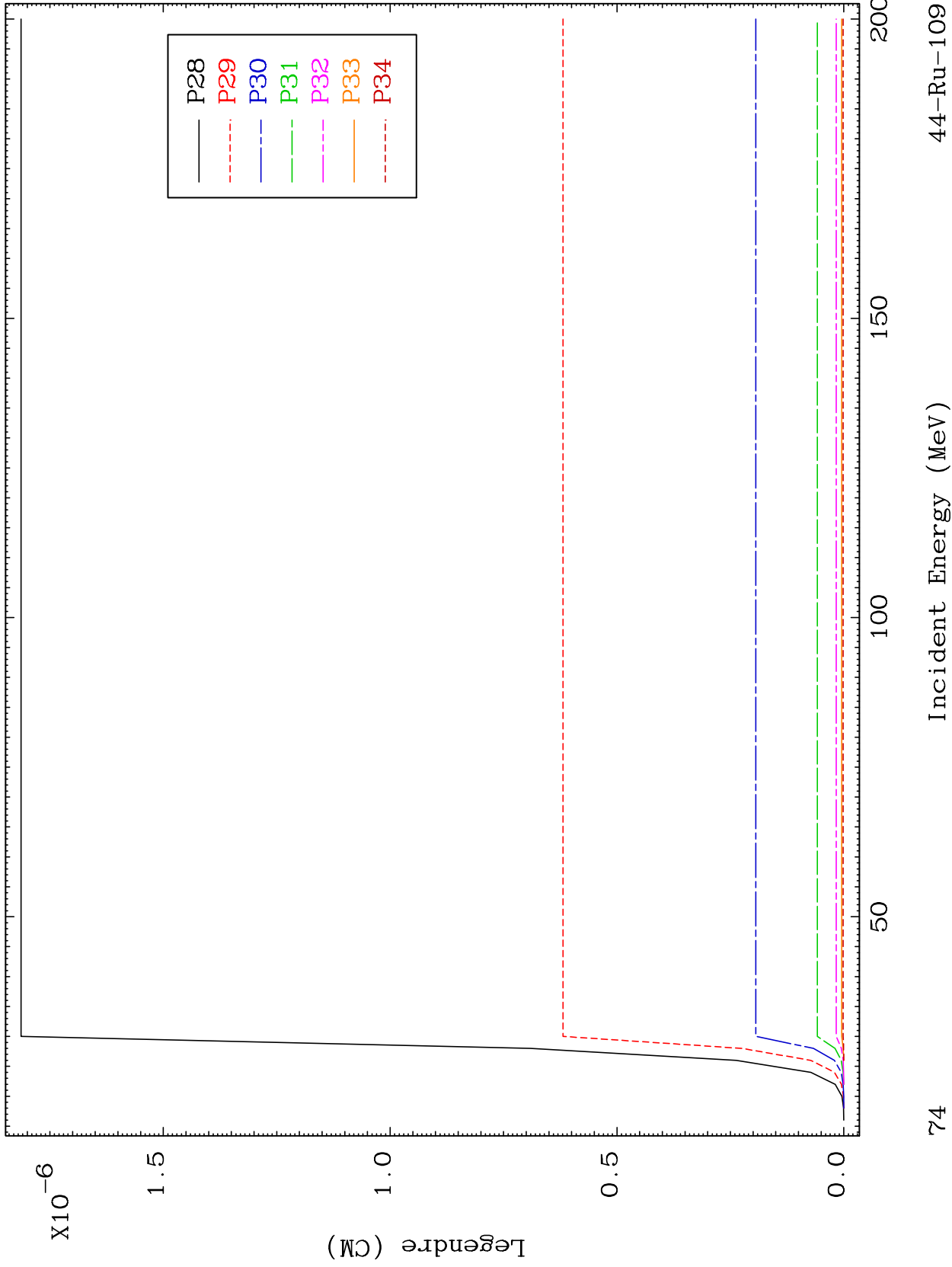
Incident Energy (MeV)

44-Ru-109

MAT 4464

514.6 keV (n,n') Level
Legendre Coefficients

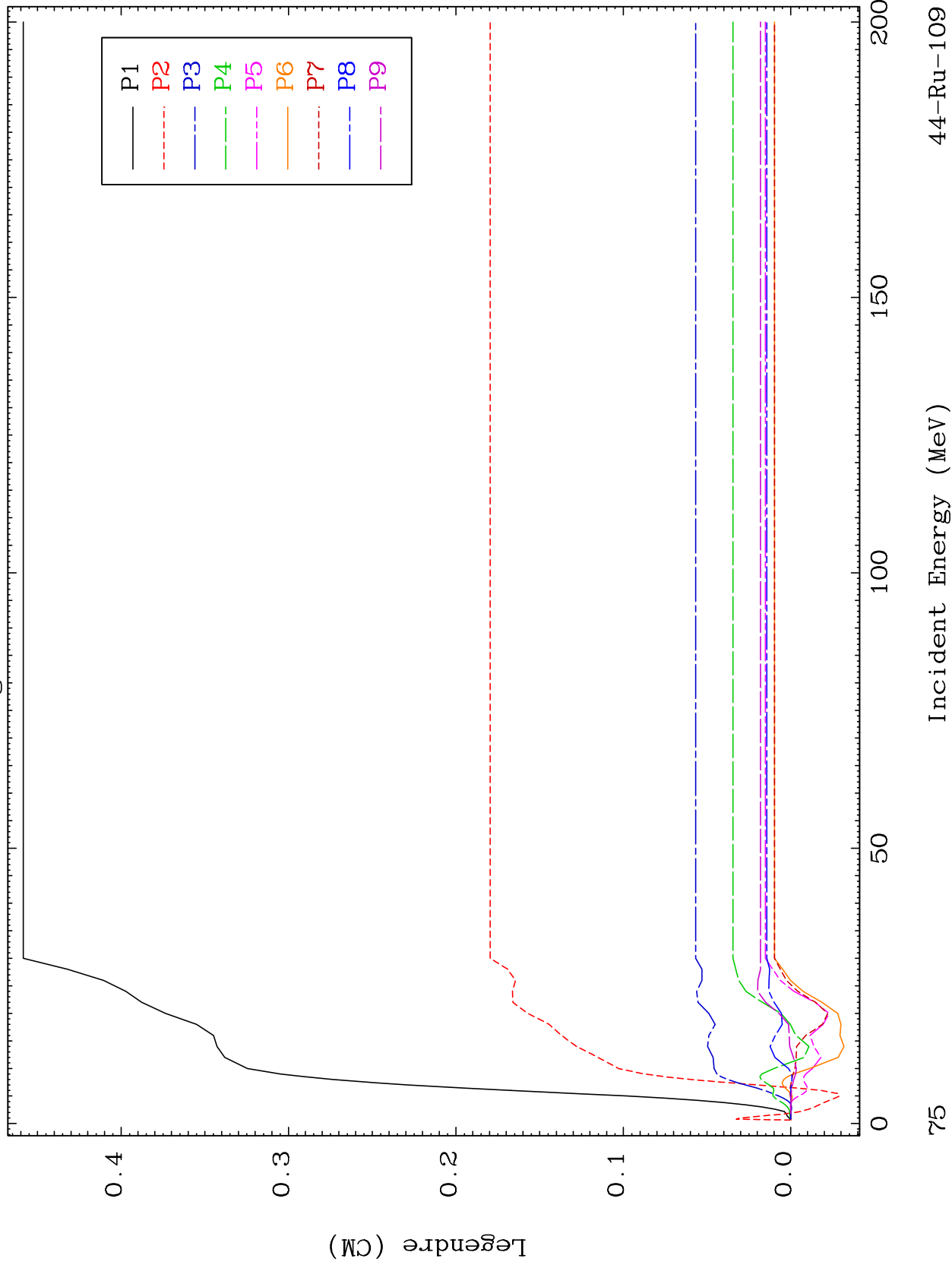
44-Ru-109



MAT 4464

619.4 keV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

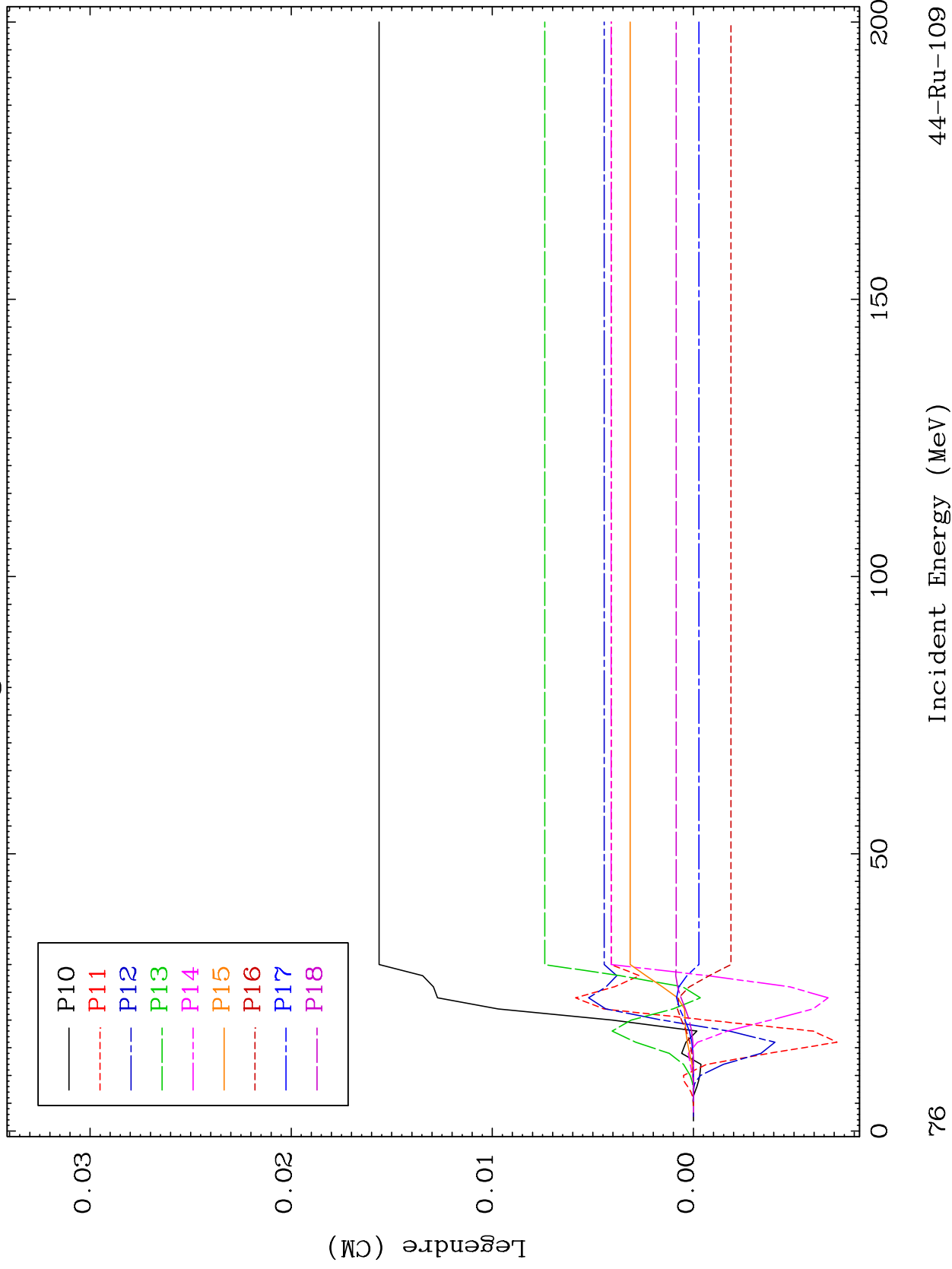
Incident Energy (MeV)

75

MAT 4464

619.4 keV (n,n') Level
Legendre Coefficients

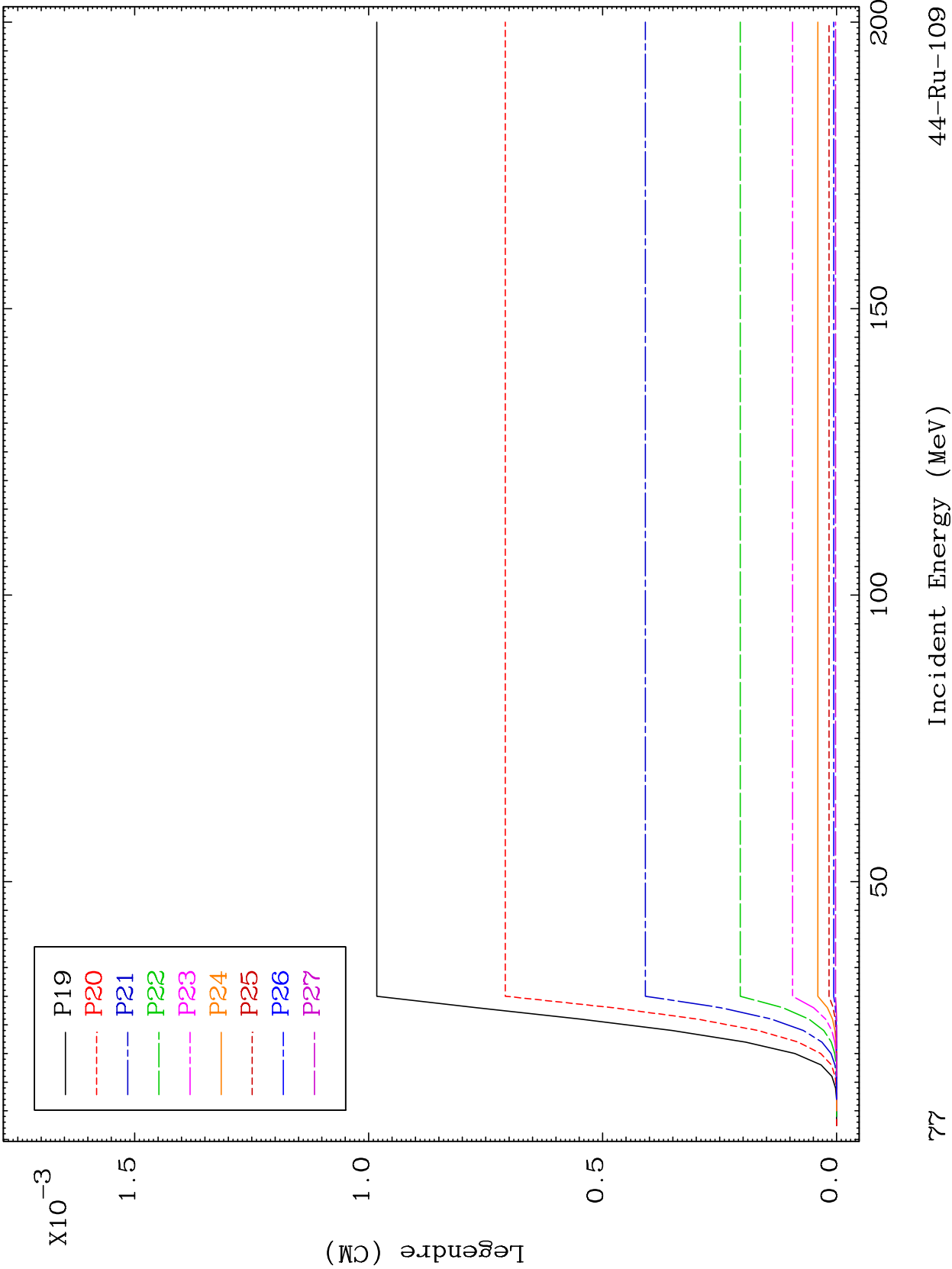
44-Ru-109



76

Incident Energy (MeV)

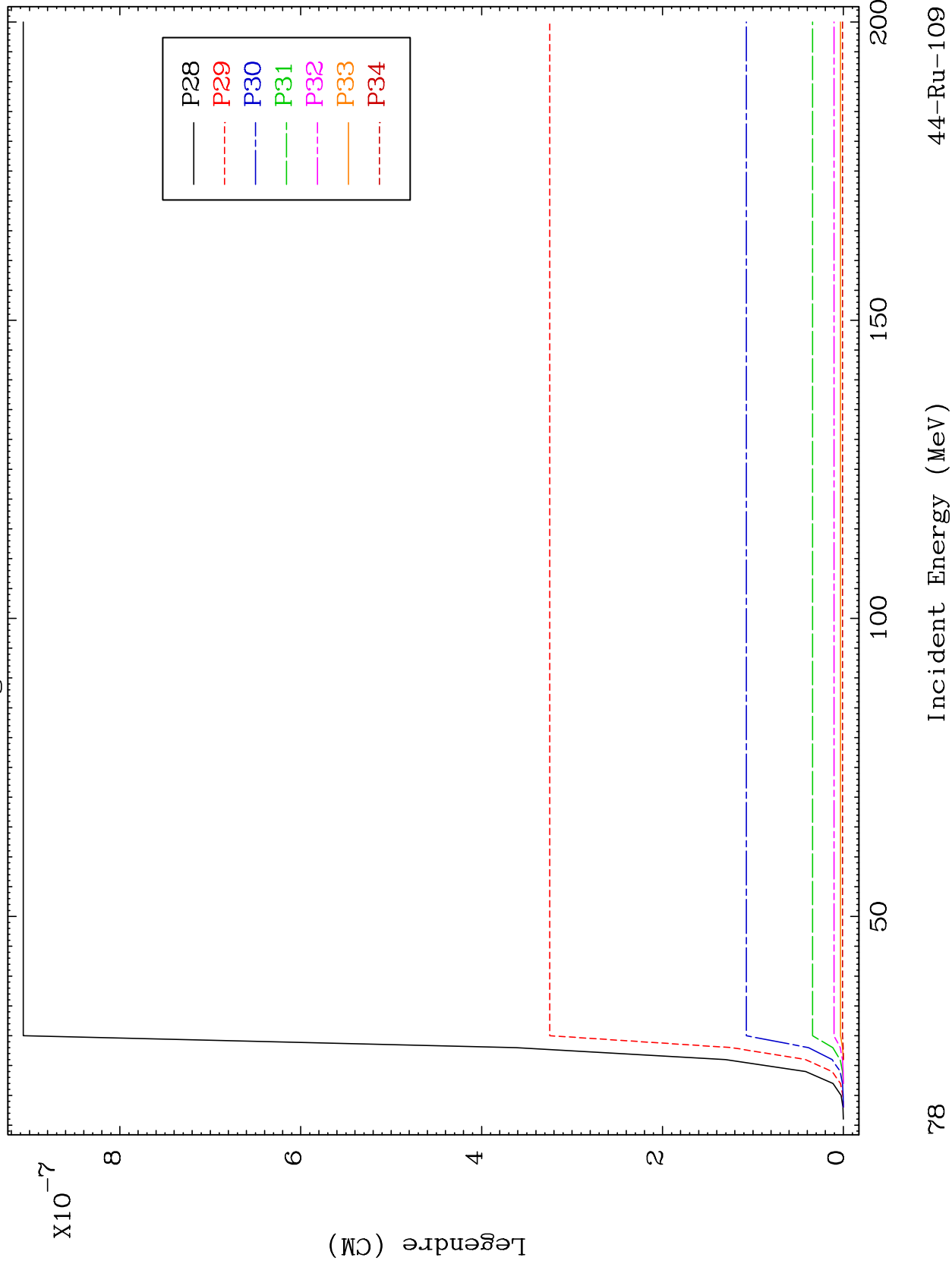
44-Ru-109

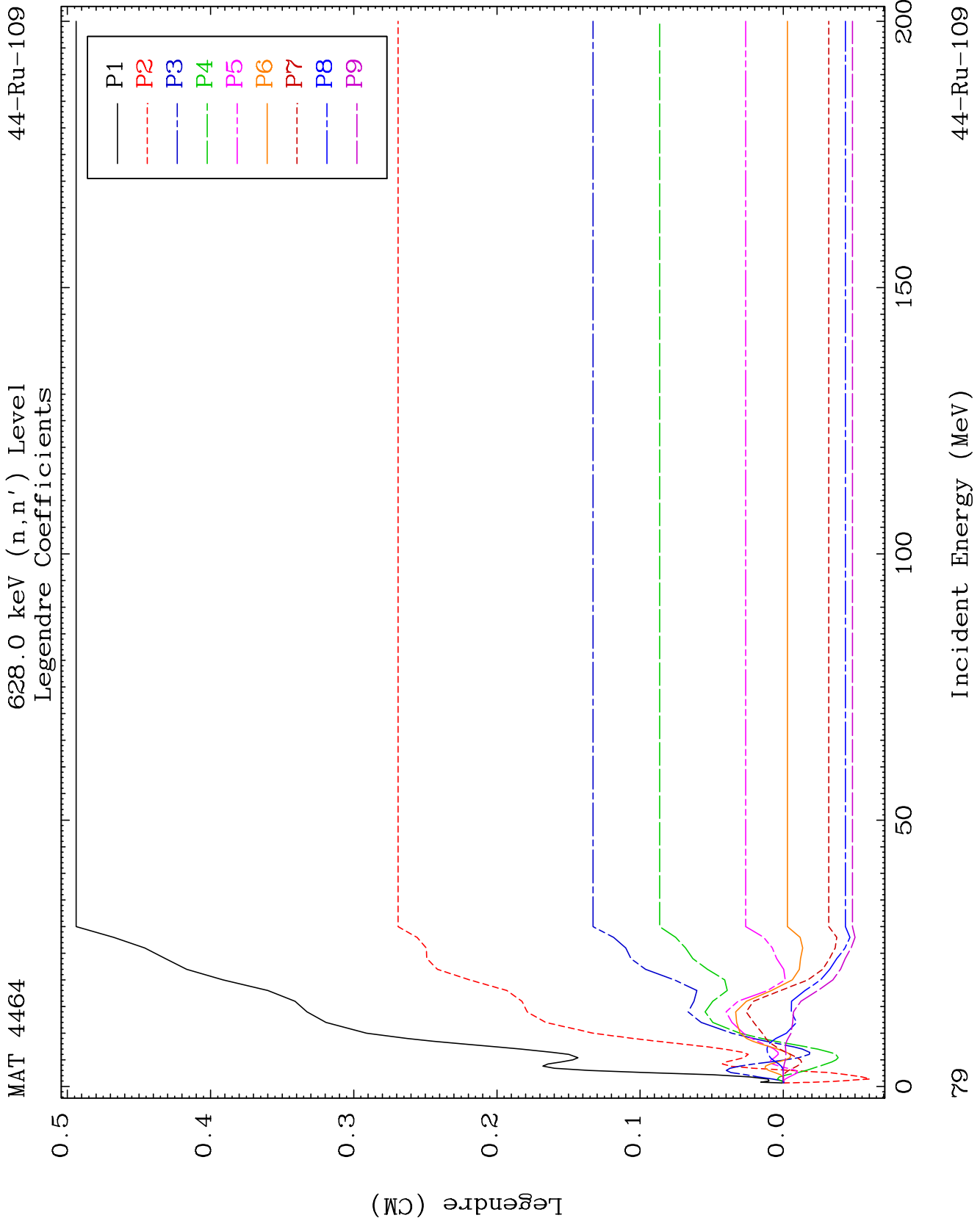


MAT 4464

619.4 keV (n, n') Level
Legendre Coefficients

44-Ru-109

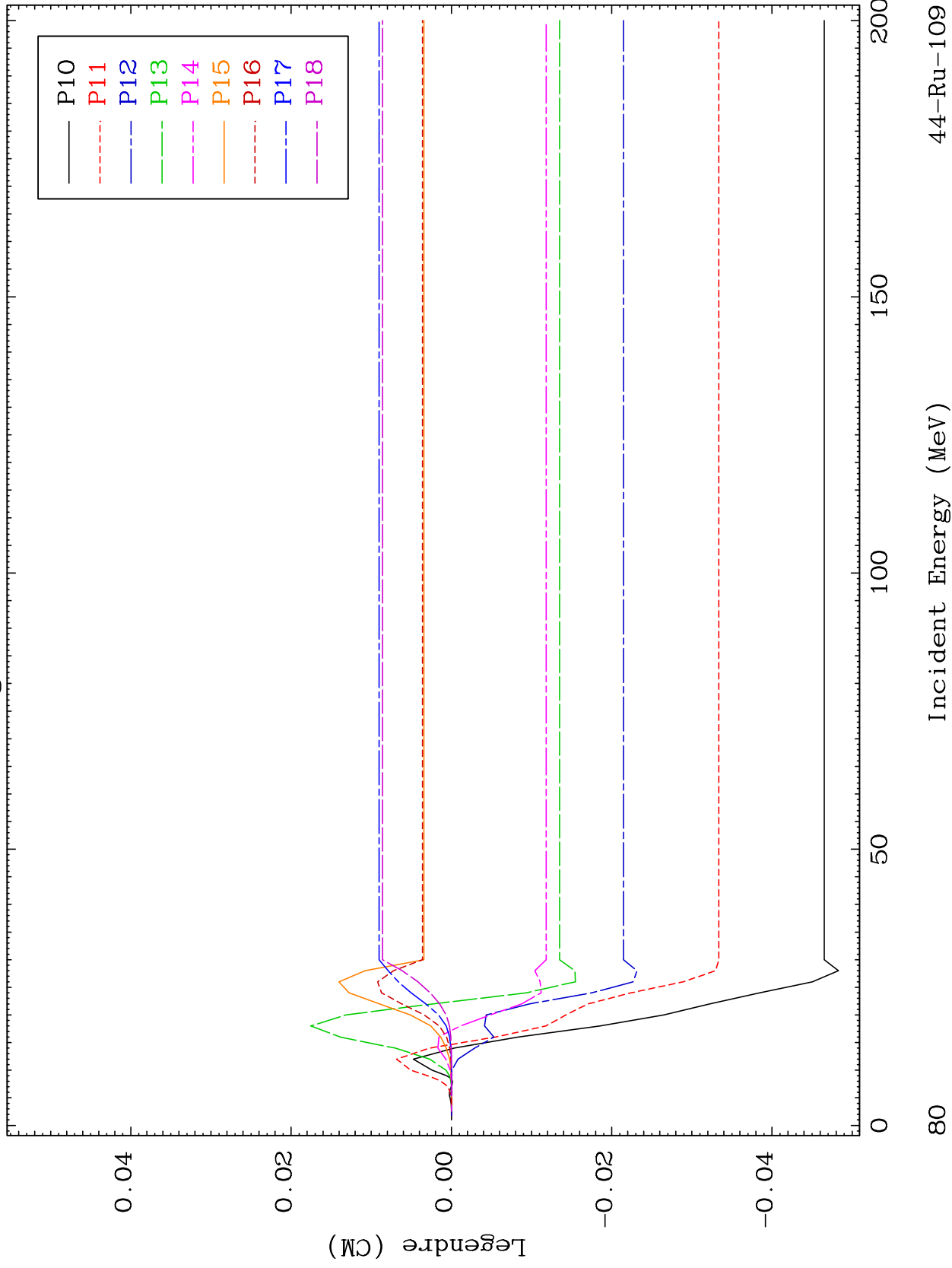




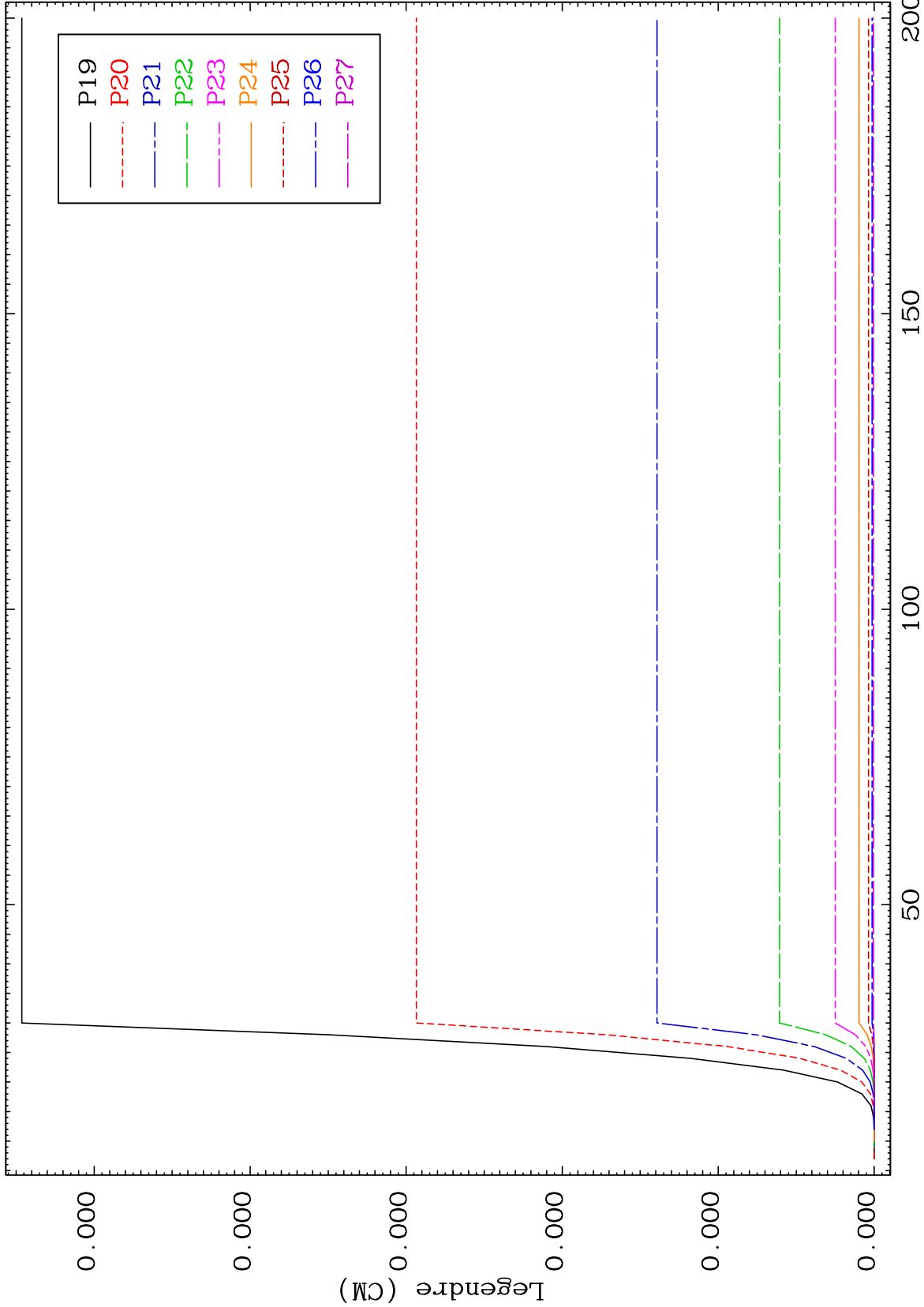
MAT 4464

628.0 keV (n,n') Level
Legendre Coefficients

44-Ru-109



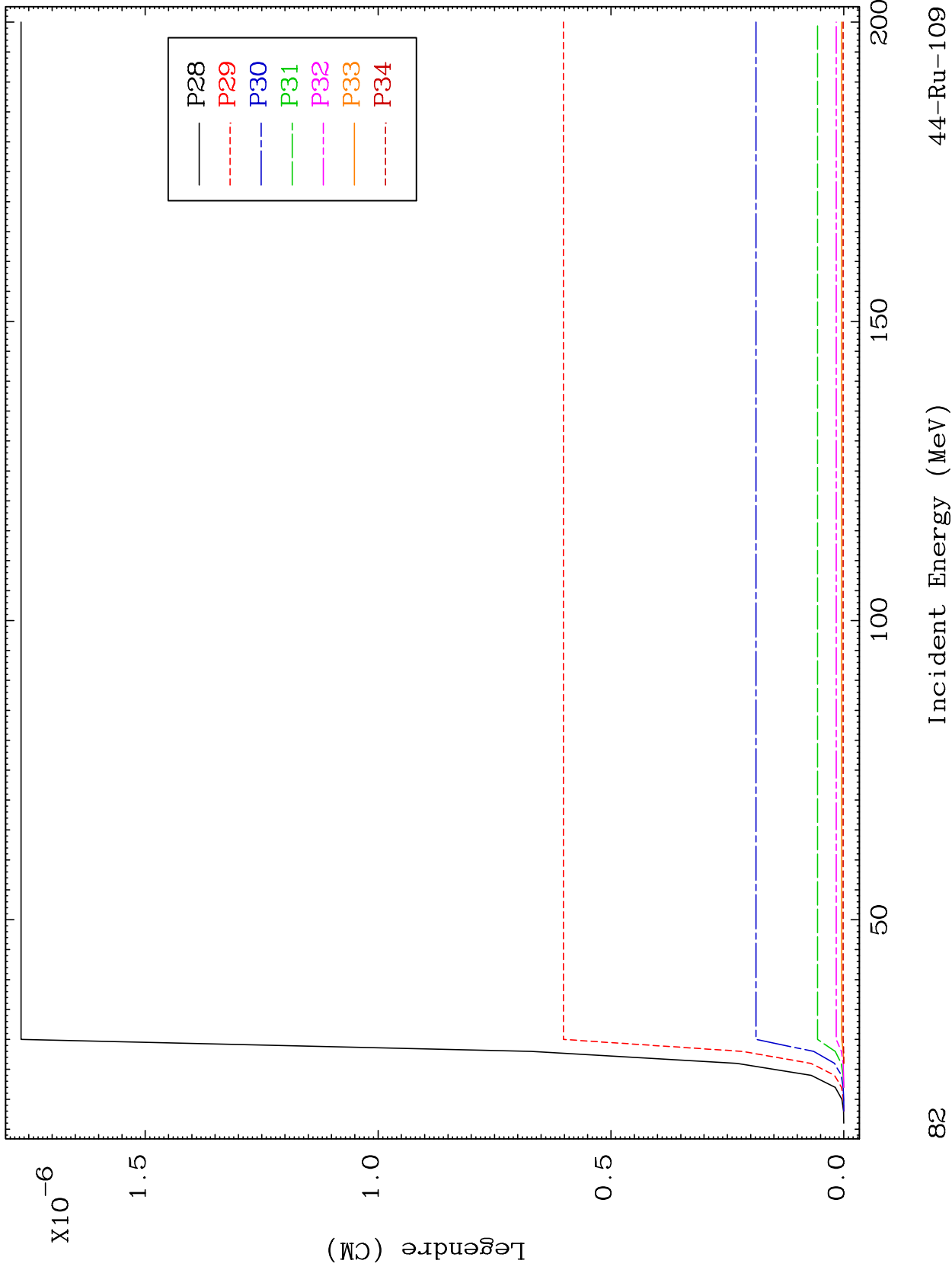
44-Ru-109



MAT 4464

628.0 keV (n, n') Level
Legendre Coefficients

44-Ru-109

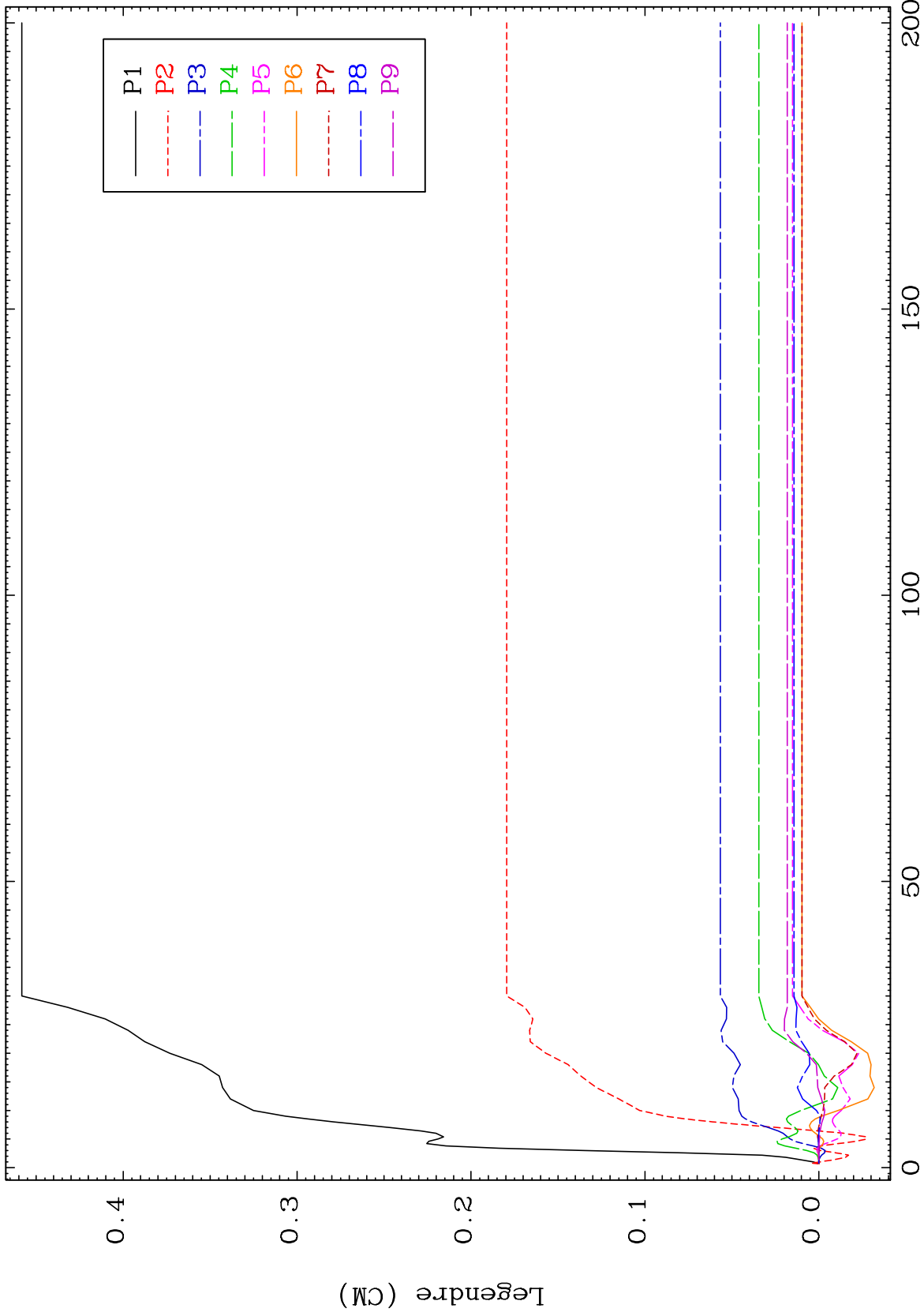


82

MAT 4464

657.9 keV (n,n') Level
Legendre Coefficients

44-Ru-109



83

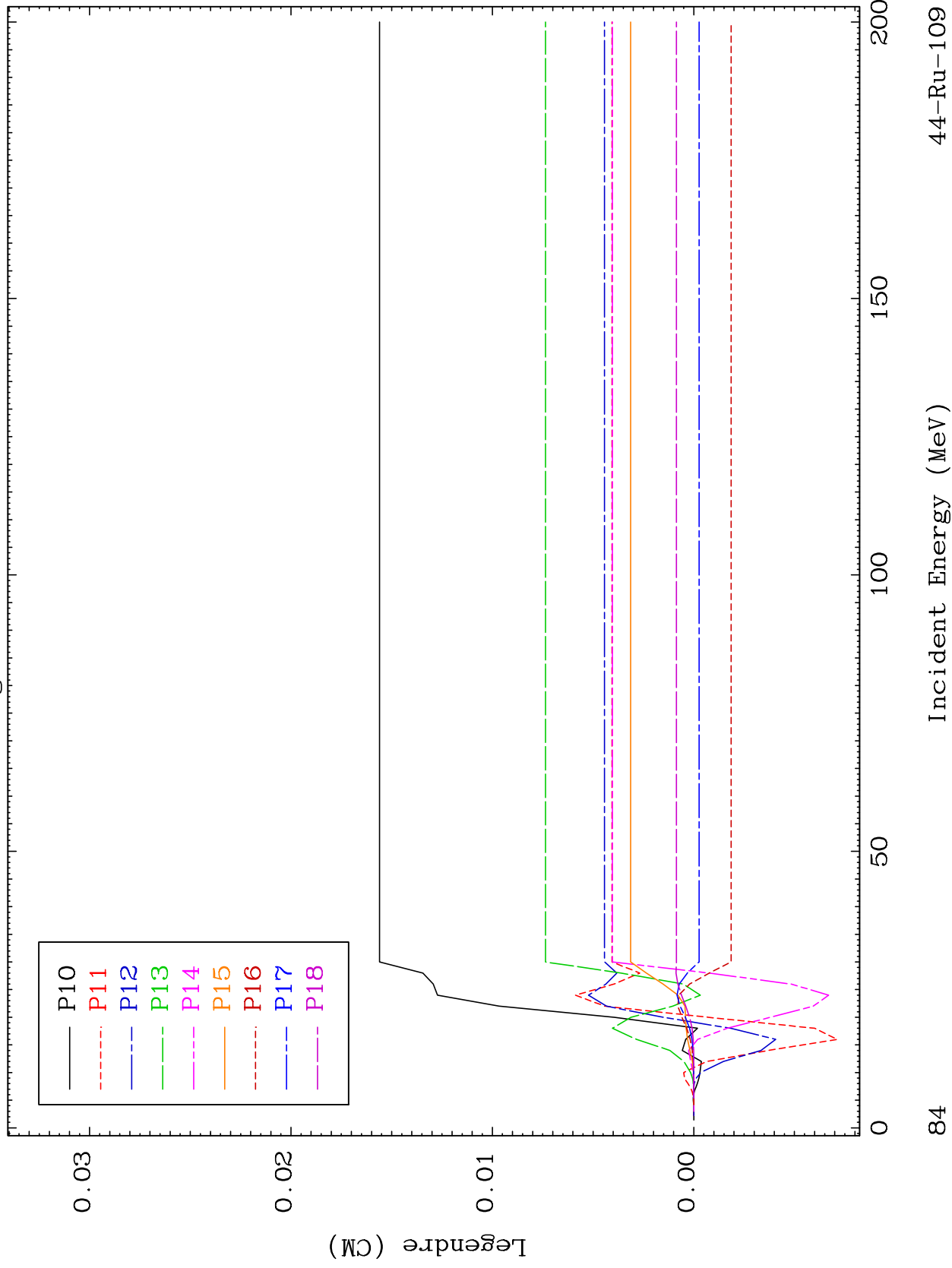
Incident Energy (MeV)

44-Ru-109

MAT 4464

657.9 keV (n, n') Level
Legendre Coefficients

44-Ru-109



84

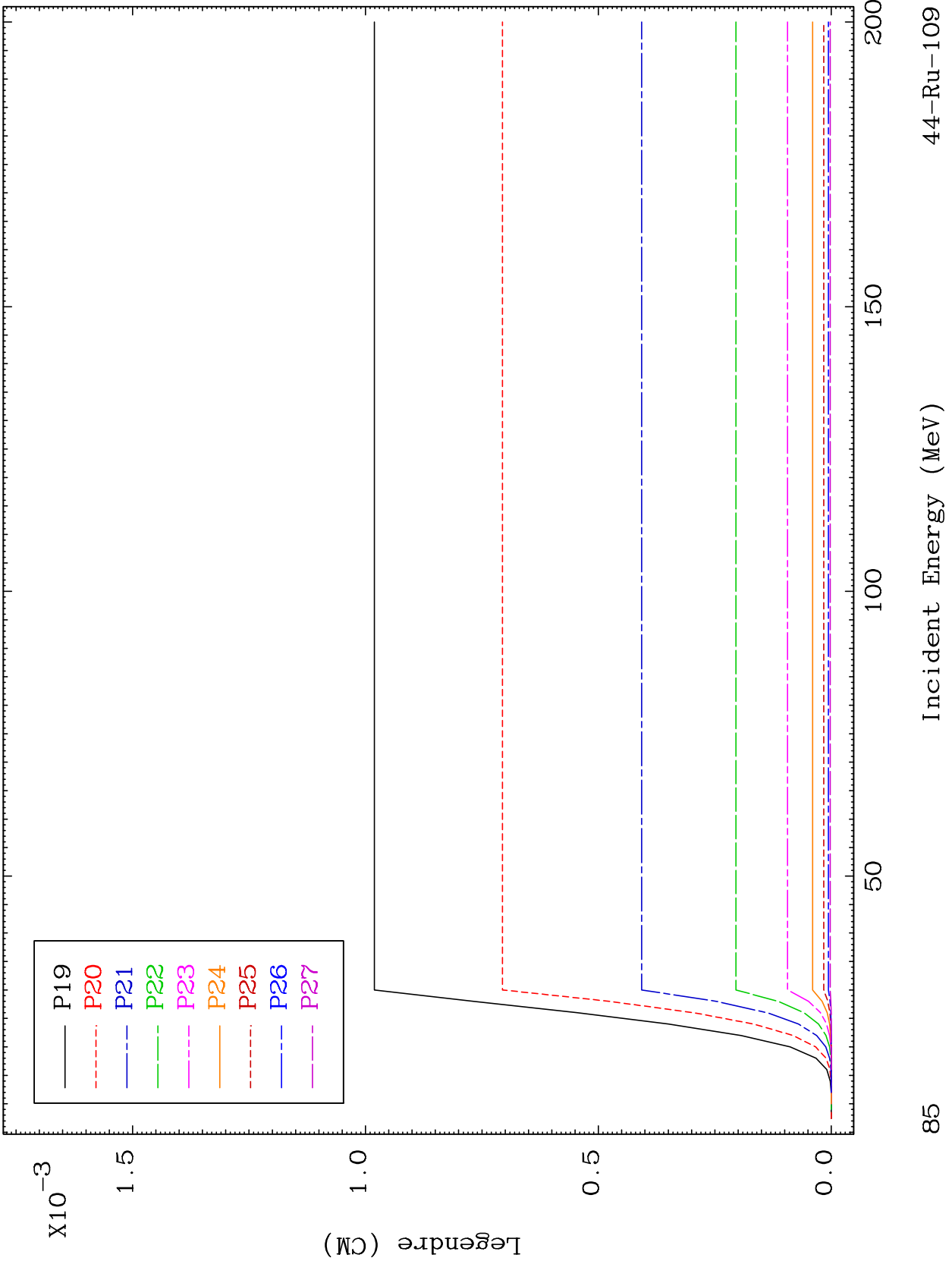
Incident Energy (MeV)

44-Ru-109

MAT 4464

657.9 keV (n,n') Level
Legendre Coefficients

44-Ru-109



85

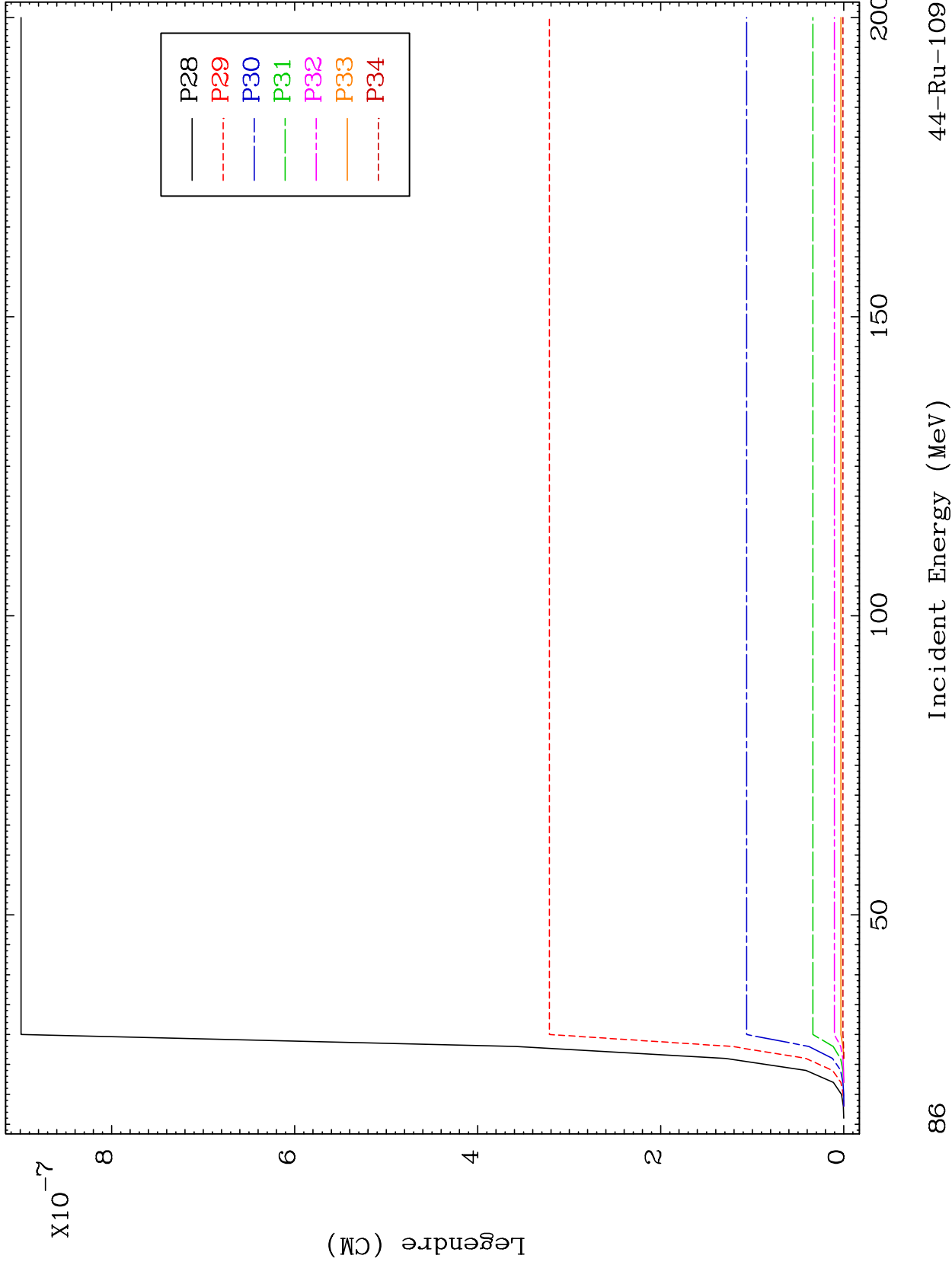
Incident Energy (MeV)

44-Ru-109

MAT 4464

657.9 keV (n, n') Level
Legendre Coefficients

44-Ru-109



86

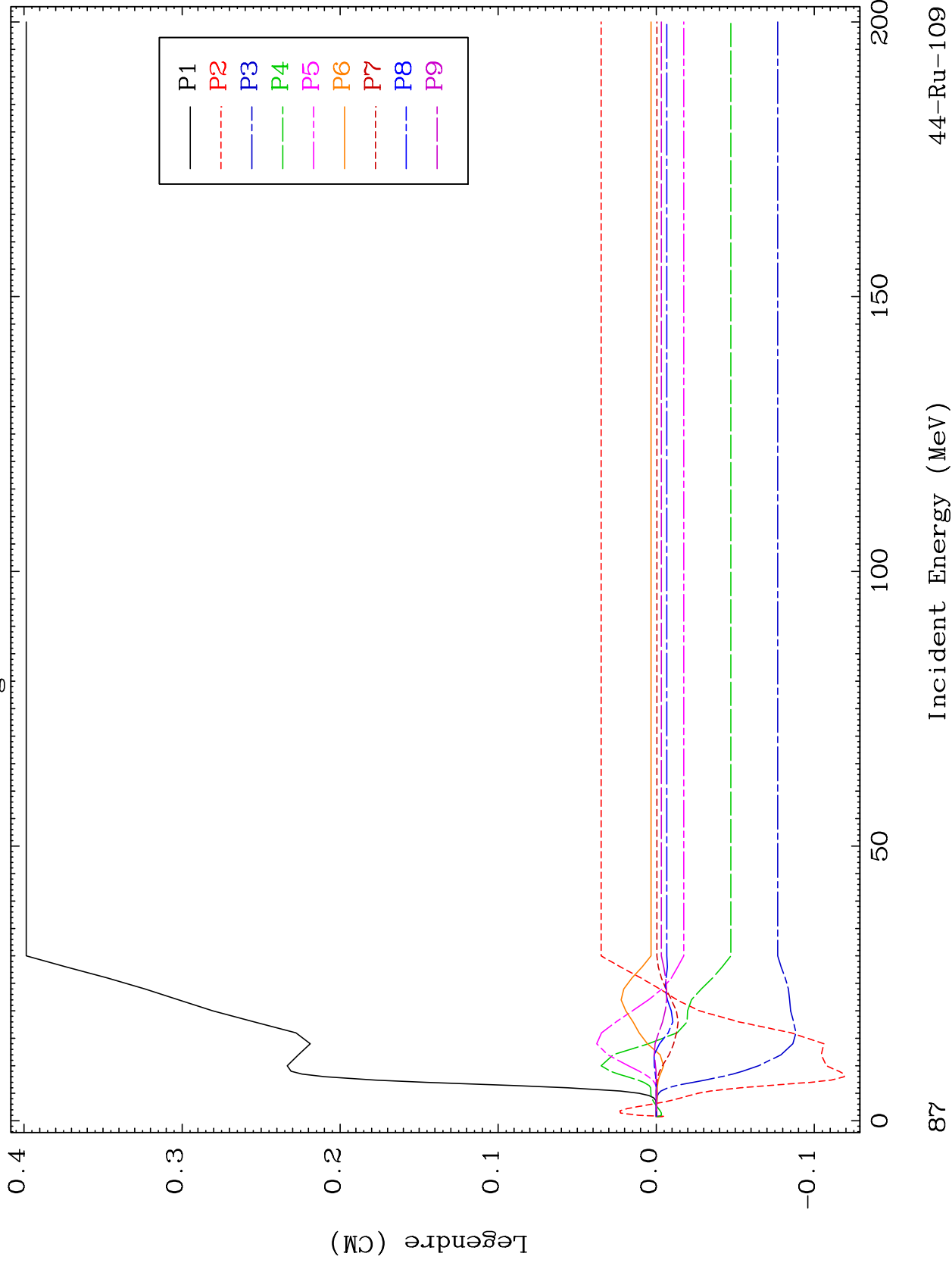
Incident Energy (MeV)

44-Ru-109

MAT 4464

678.3 keV (n,n') Level
Legendre Coefficients

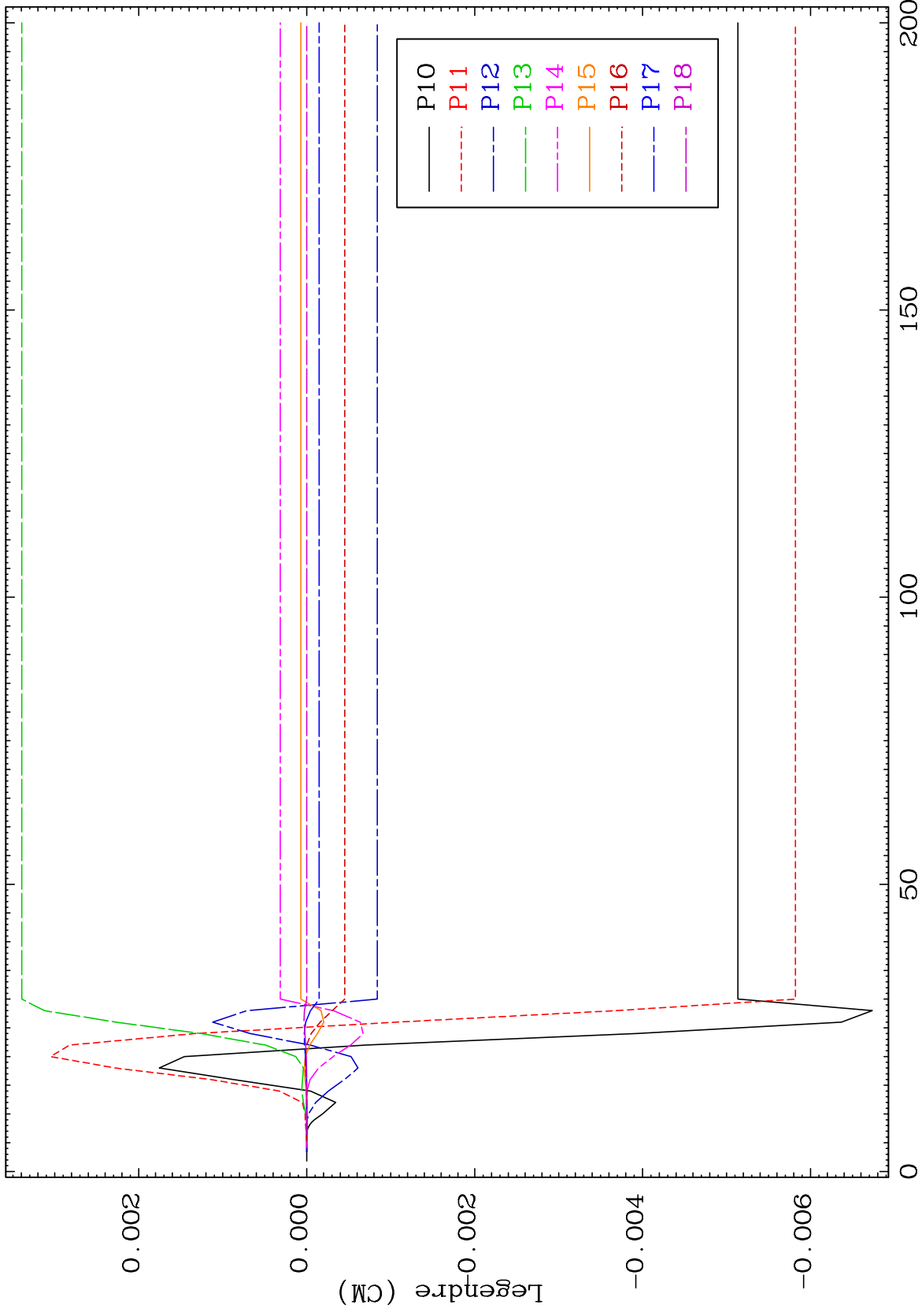
44-Ru-109



MAT 4464

678.3 keV (n,n') Level
Legendre Coefficients

44-Ru-109



88

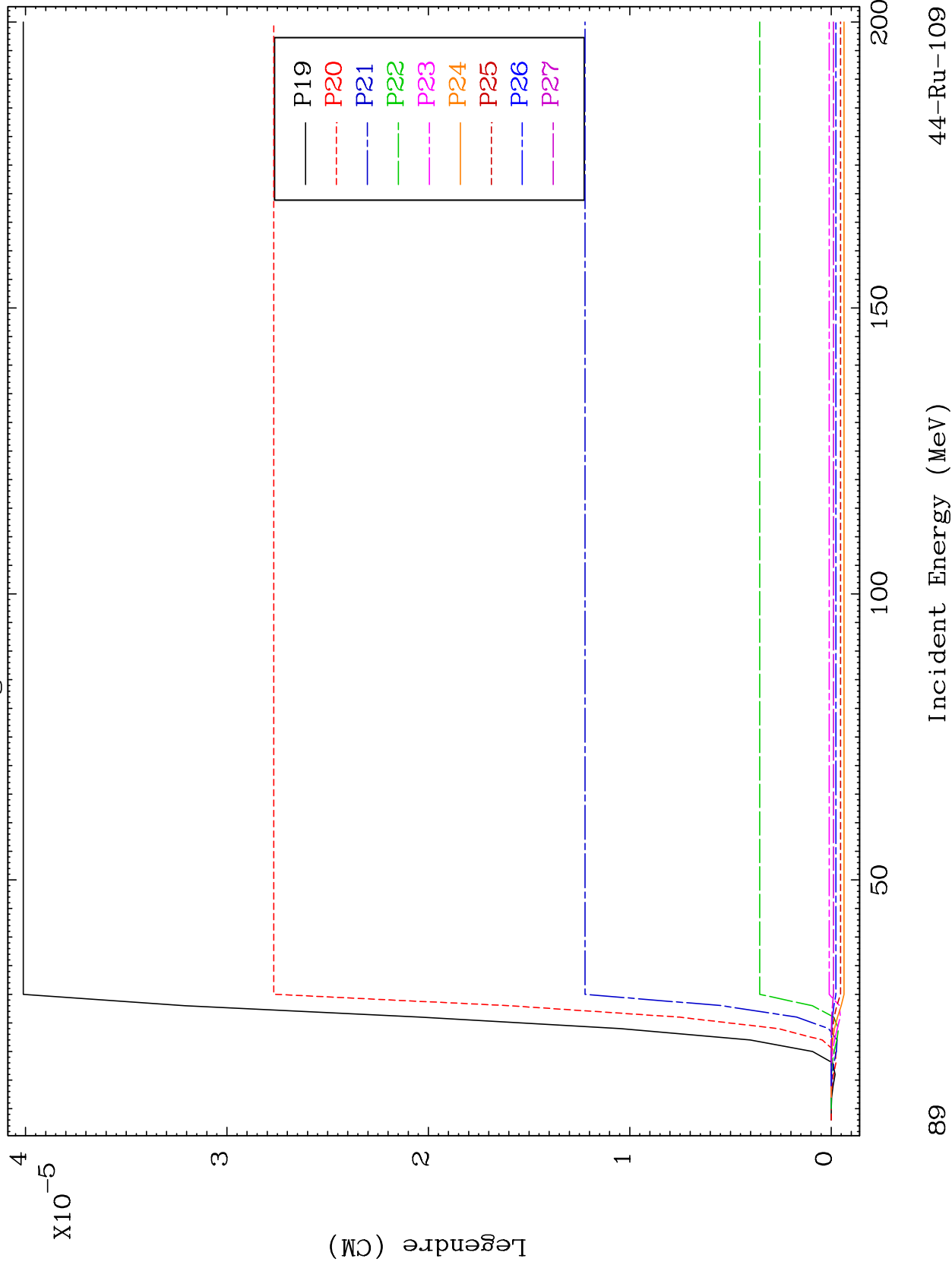
Incident Energy (MeV)

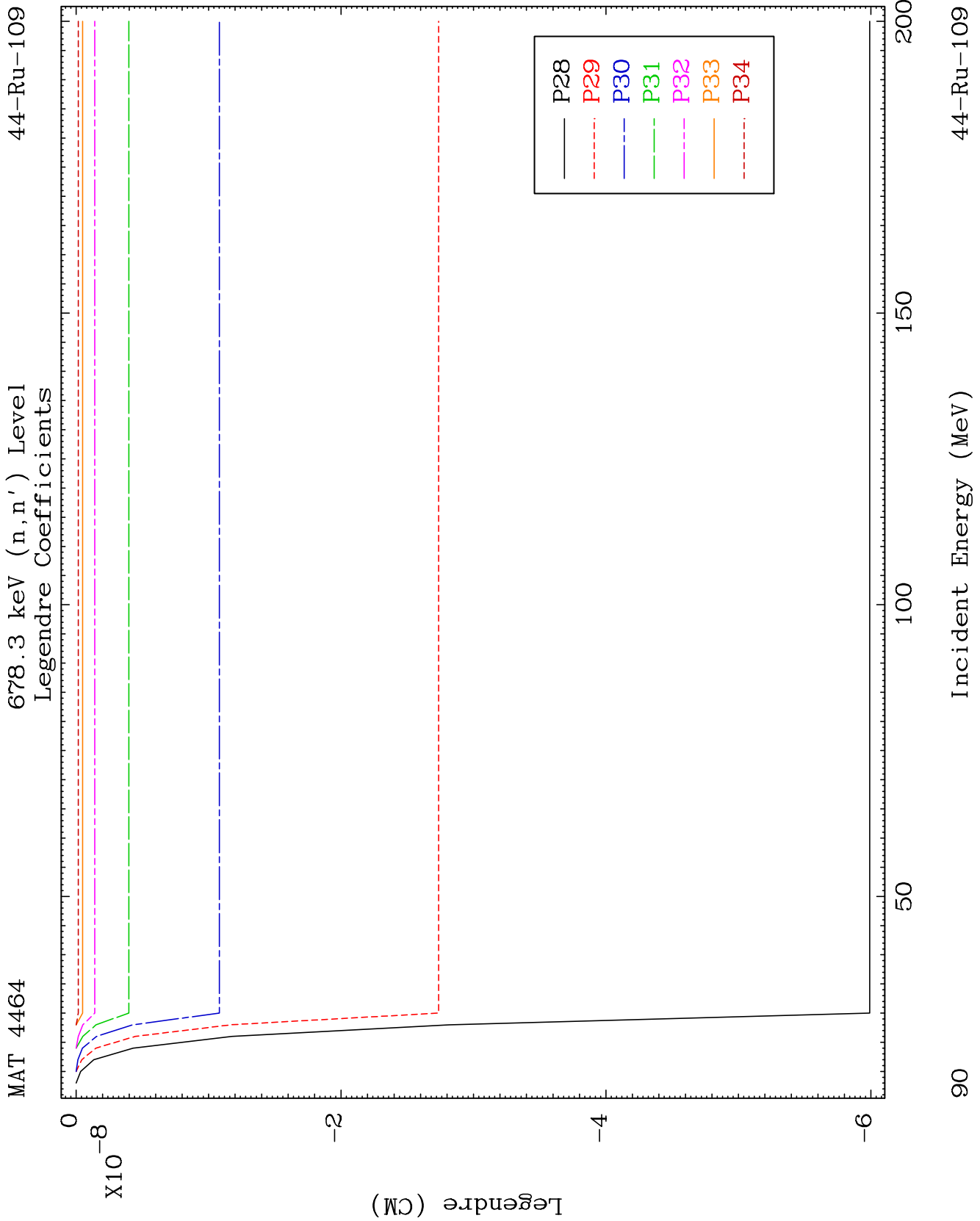
44-Ru-109

MAT 4464

678.3 keV (n, n') Level
Legendre Coefficients

44-Ru-109

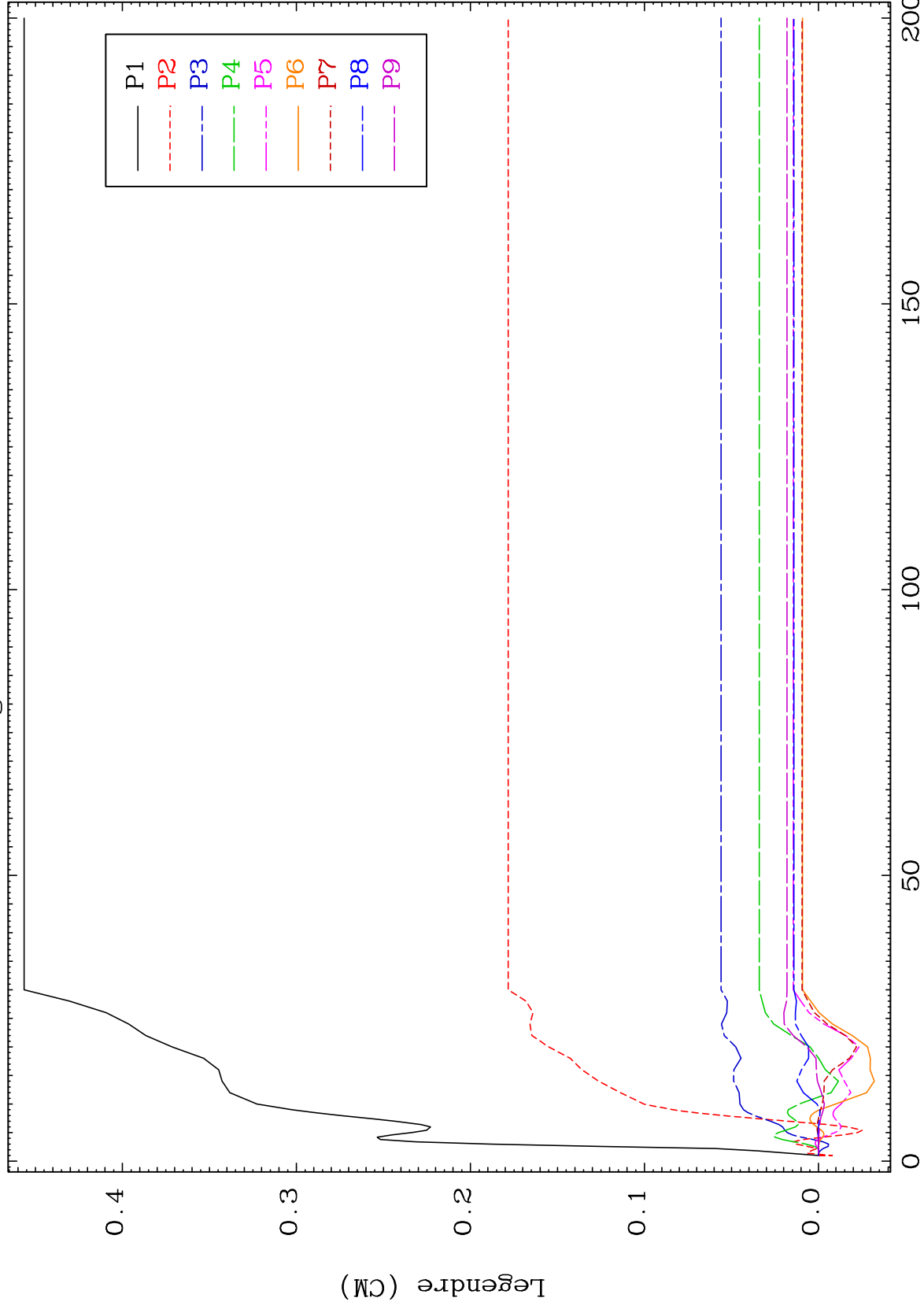




MAT 4464

948.5 keV (n,n') Level
Legendre Coefficients

44-Ru-109



91

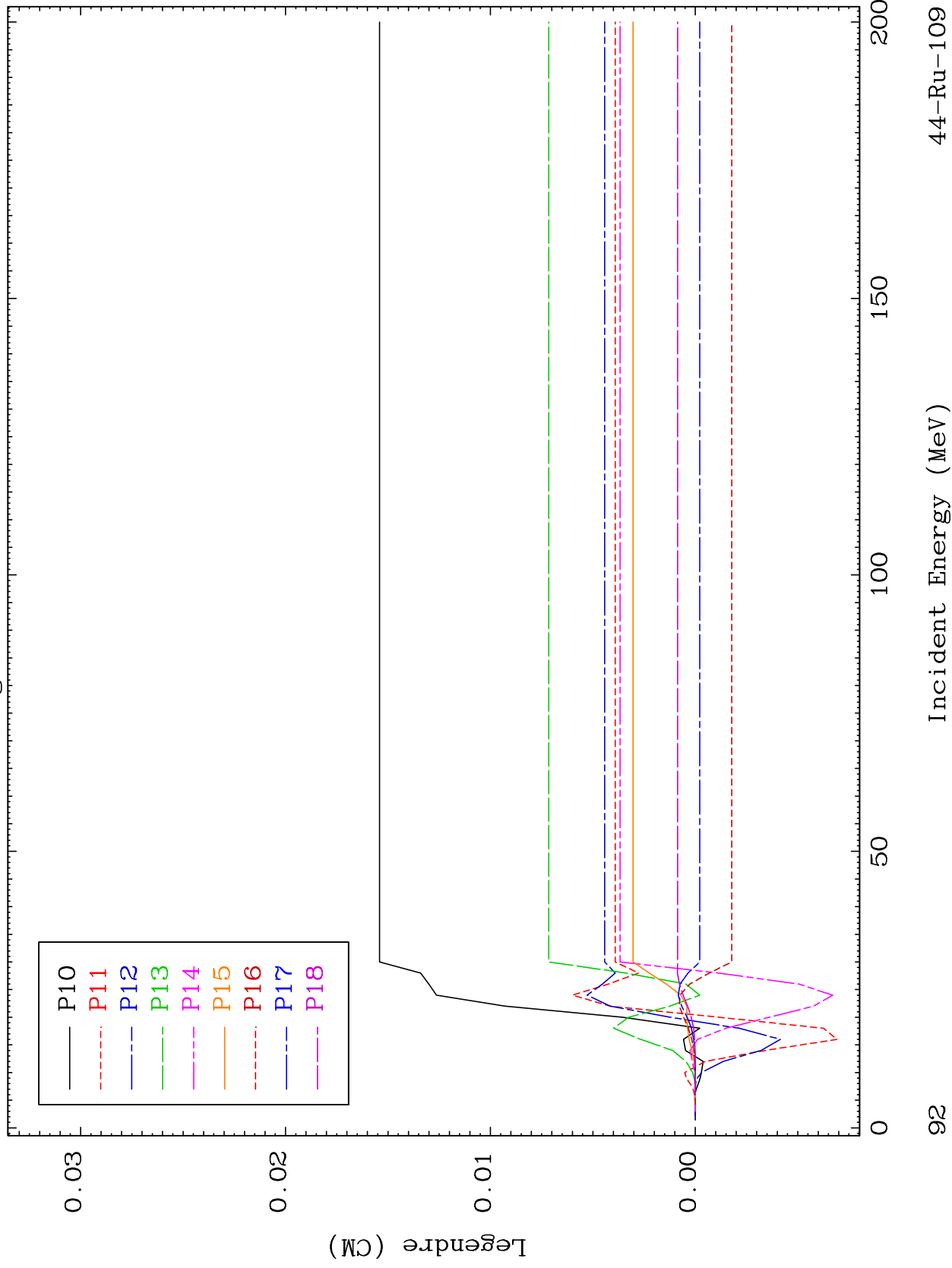
Incident Energy (MeV)

44-Ru-109

MAT 4464

948.5 keV (n,n') Level
Legendre Coefficients

44-Ru-109



92

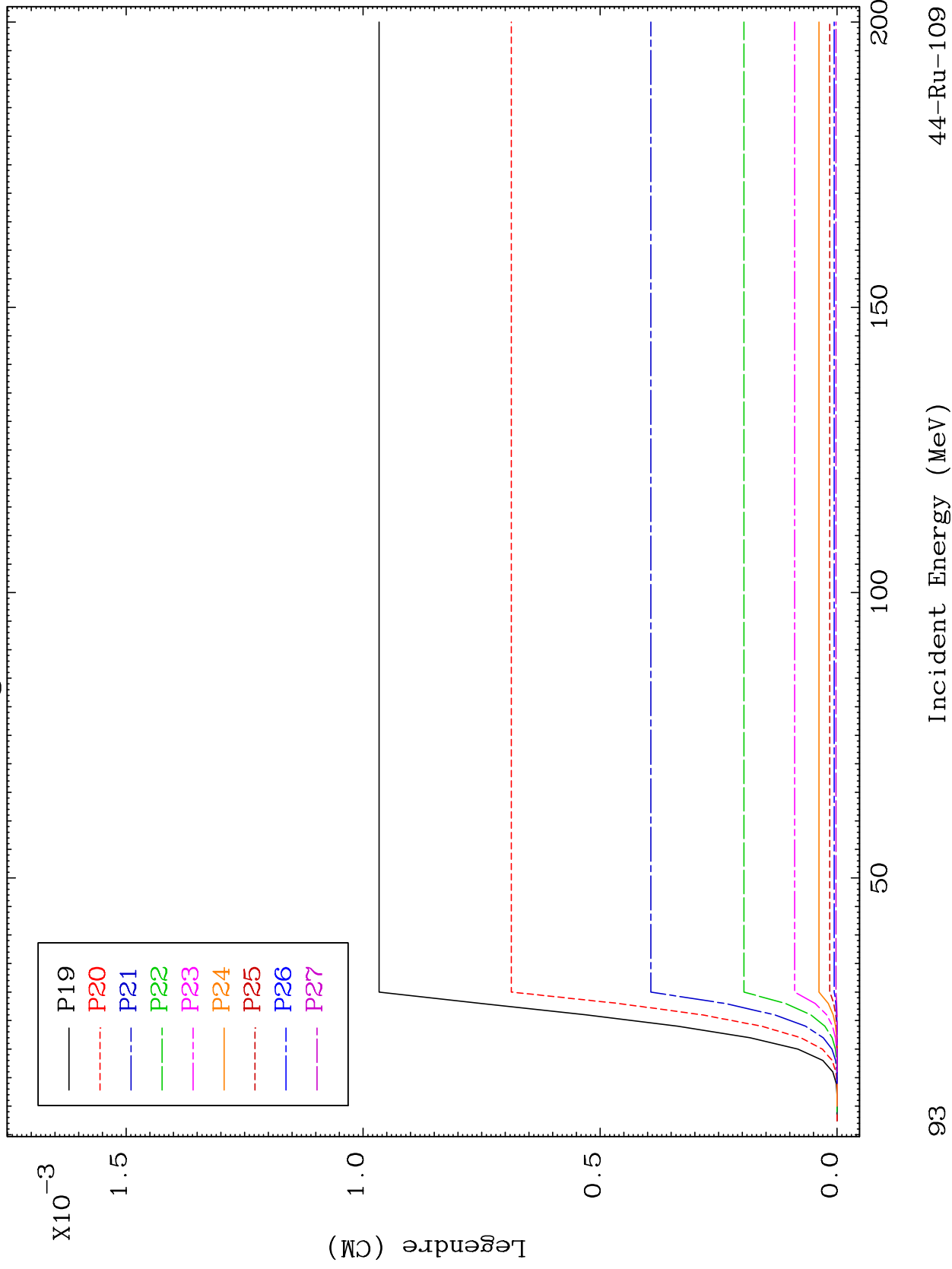
Incident Energy (MeV)

44-Ru-109

MAT 4464

948.5 keV (n,n') Level
Legendre Coefficients

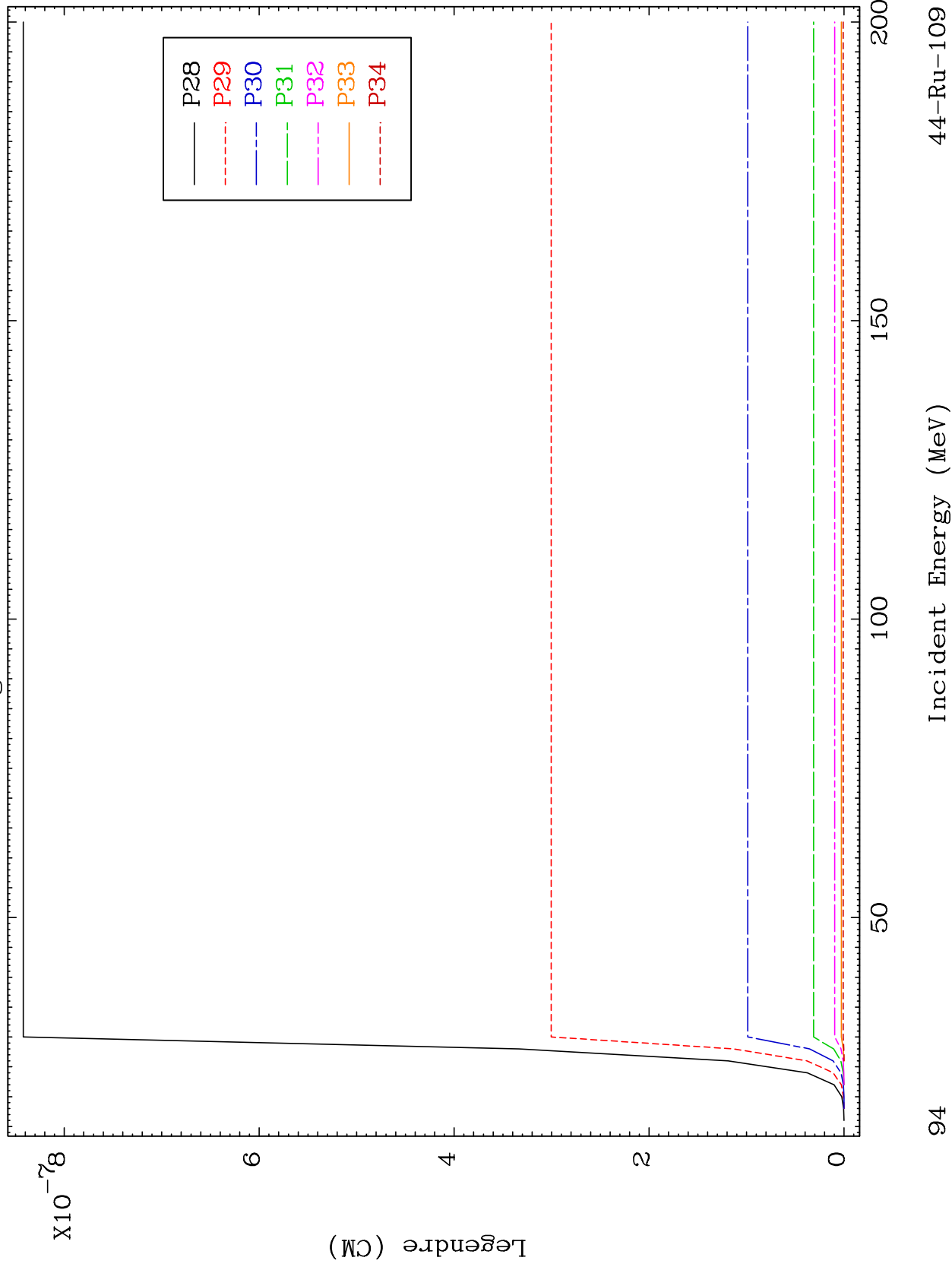
44-Ru-109



MAT 4464

948.5 keV (n,n') Level
Legendre Coefficients

44-Ru-109



94

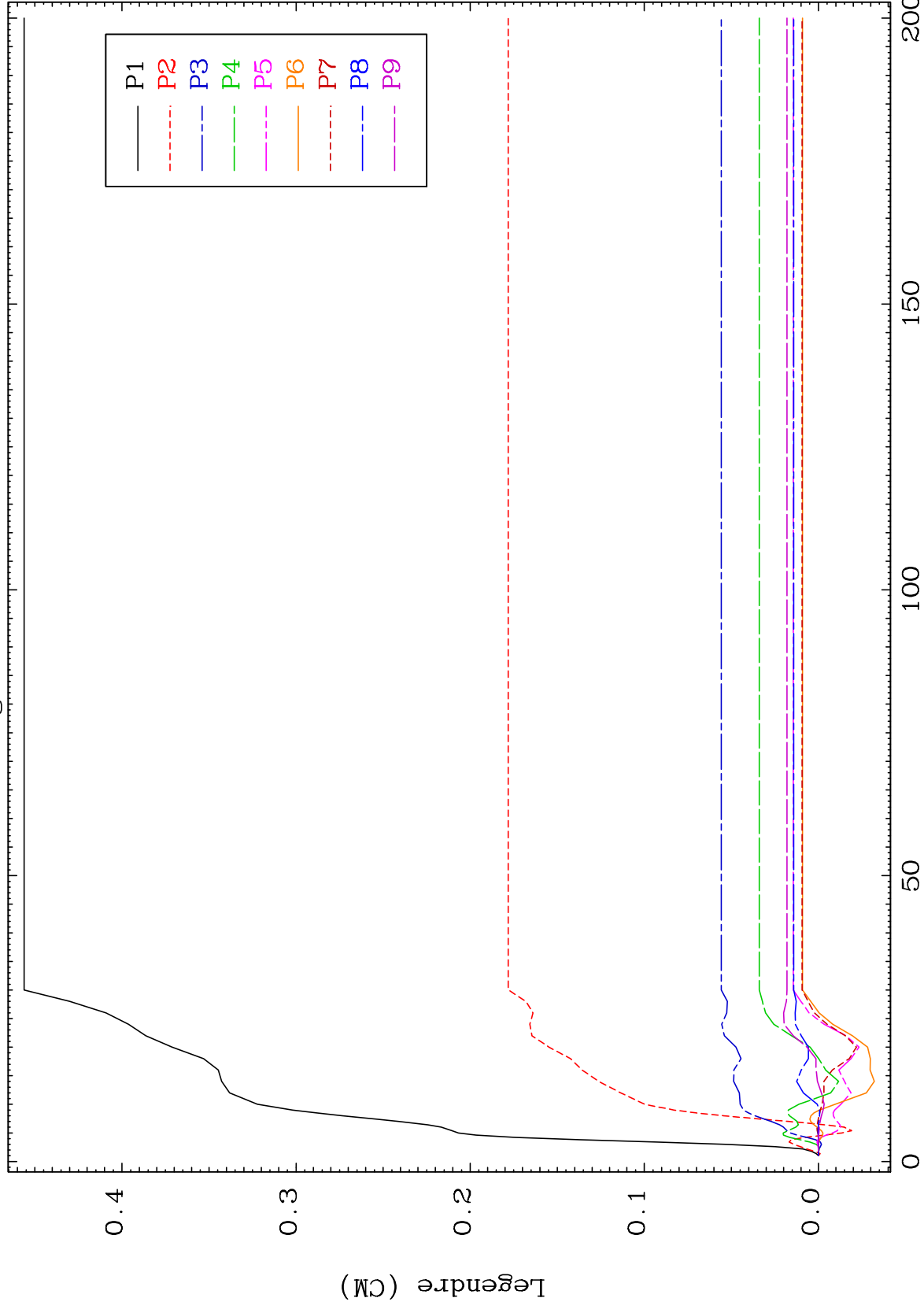
Incident Energy (MeV)

44-Ru-109

MAT 4464

995.2 keV (n,n') Level
Legendre Coefficients

44-Ru-109



95

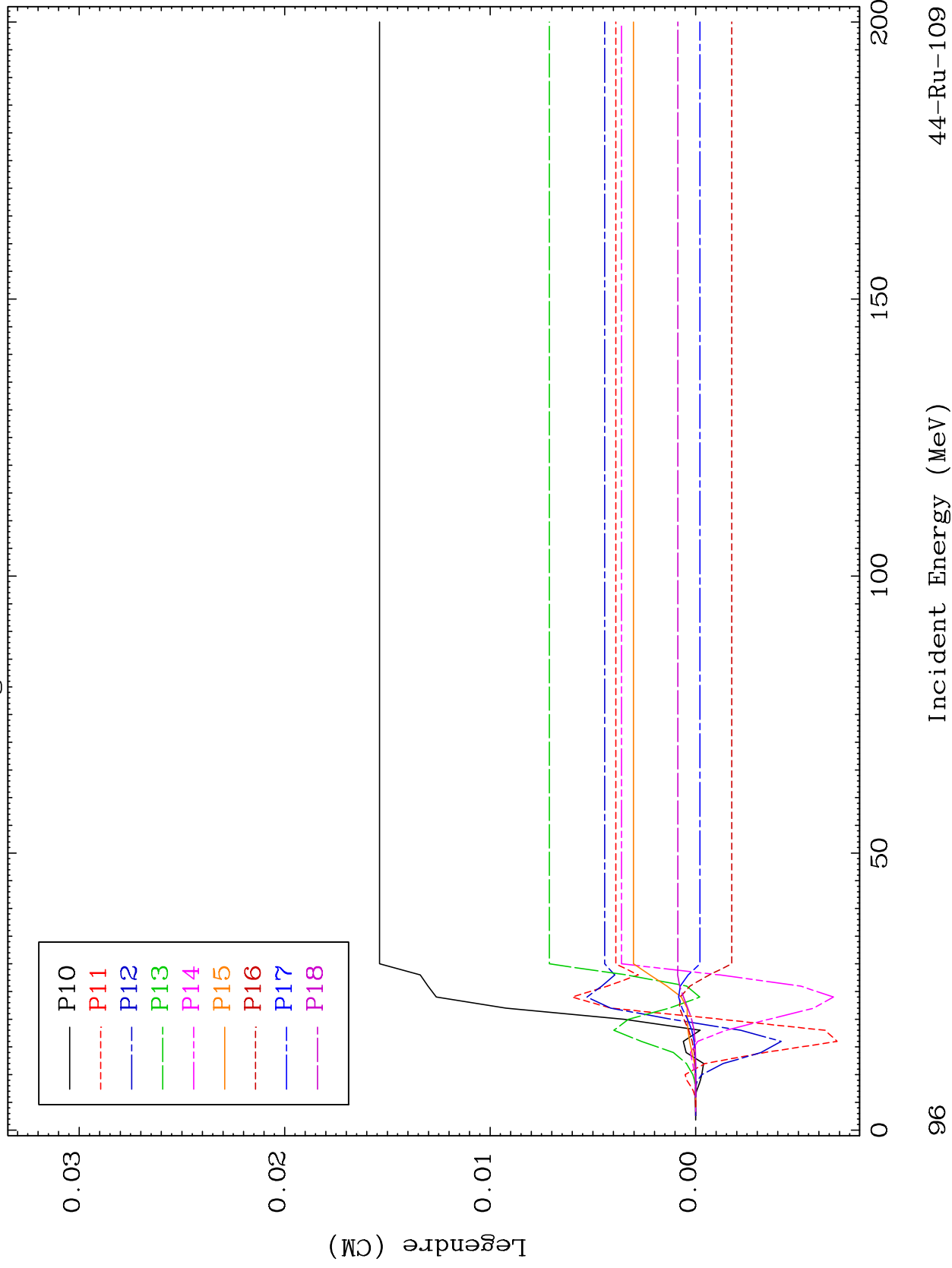
Incident Energy (MeV)

44-Ru-109

MAT 4464

995.2 keV (n,n') Level
Legendre Coefficients

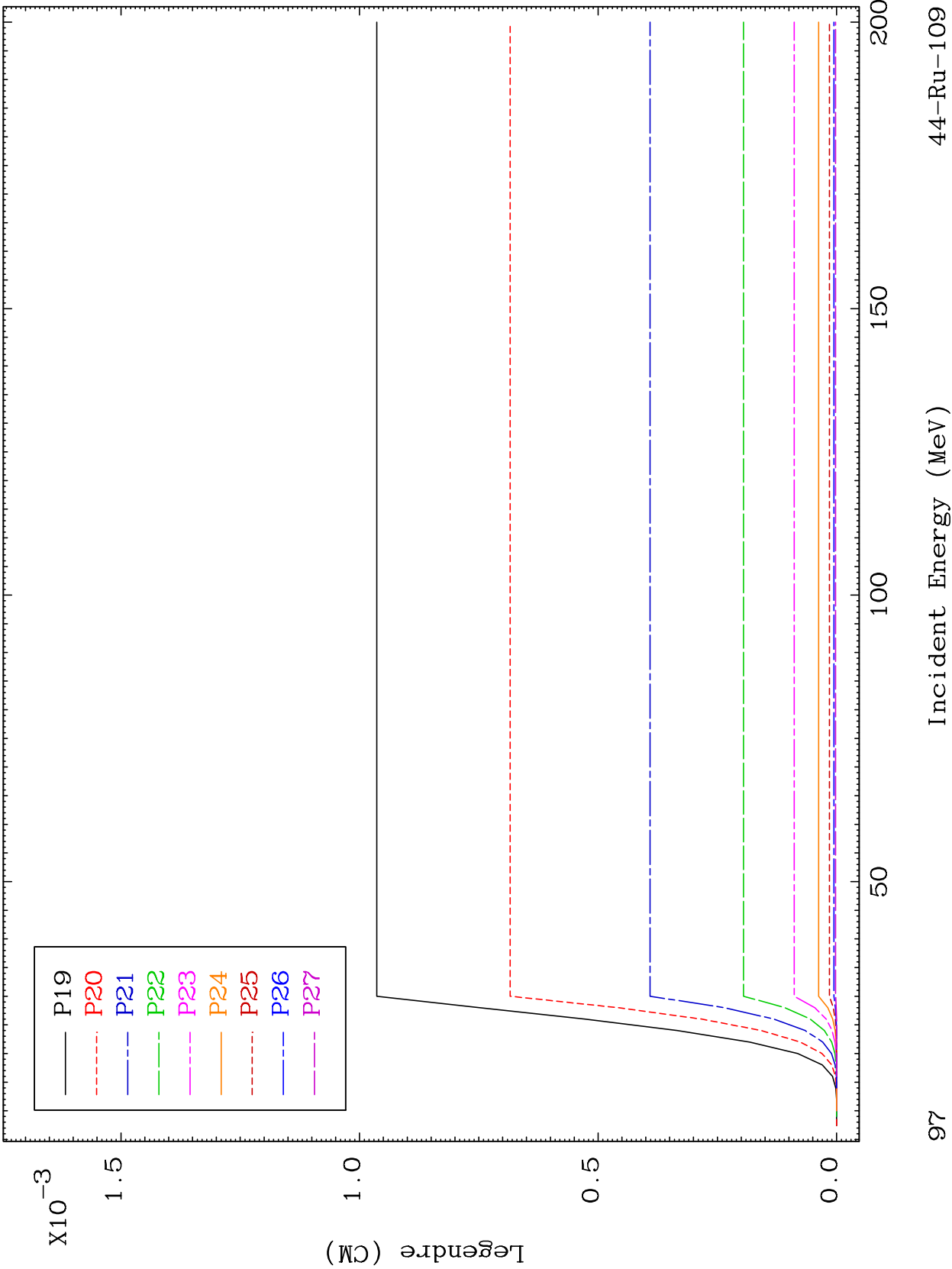
44-Ru-109



96

Incident Energy (MeV)

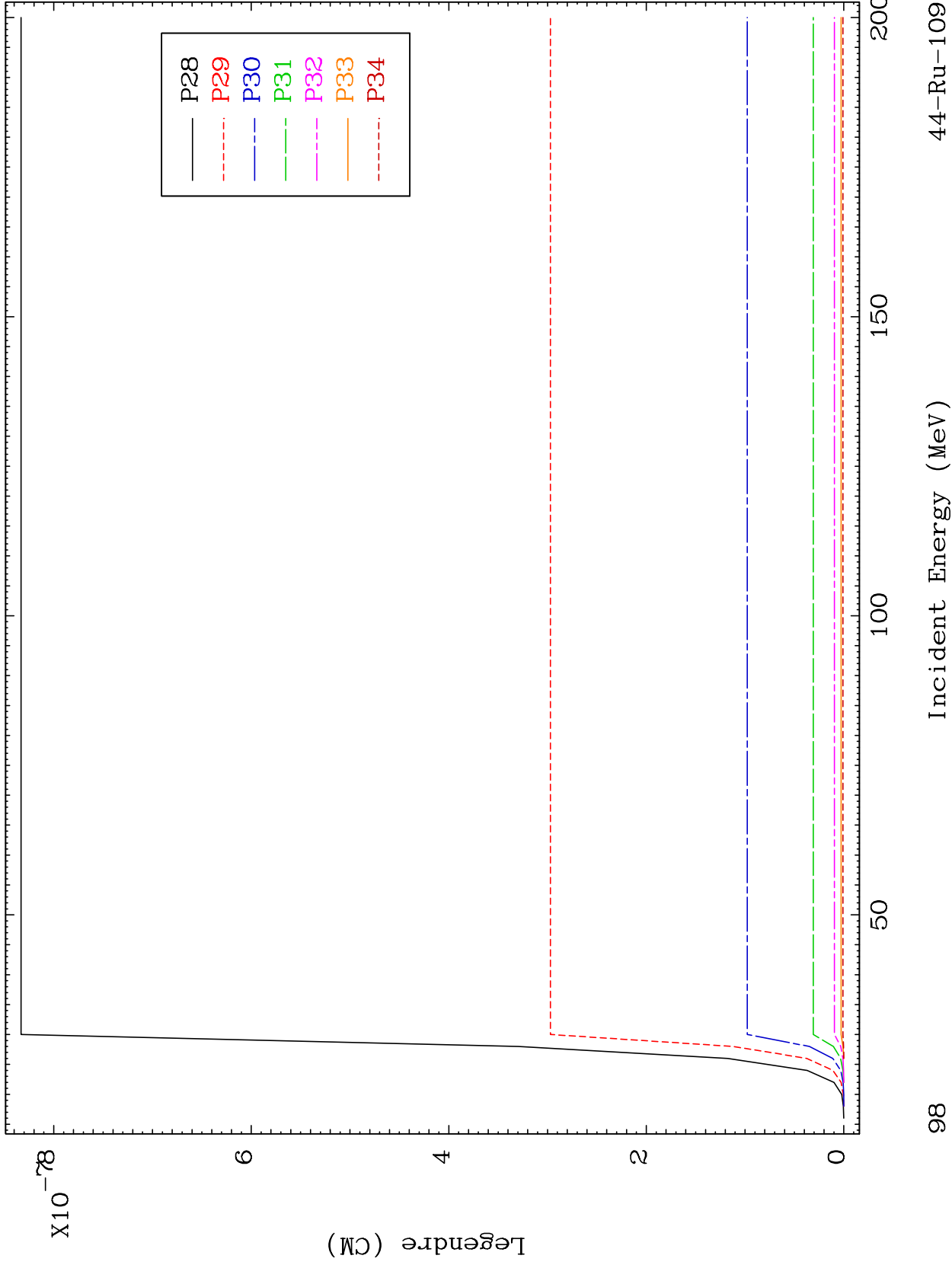
44-Ru-109



MAT 4464

995.2 keV (n,n') Level
Legendre Coefficients

44-Ru-109



98

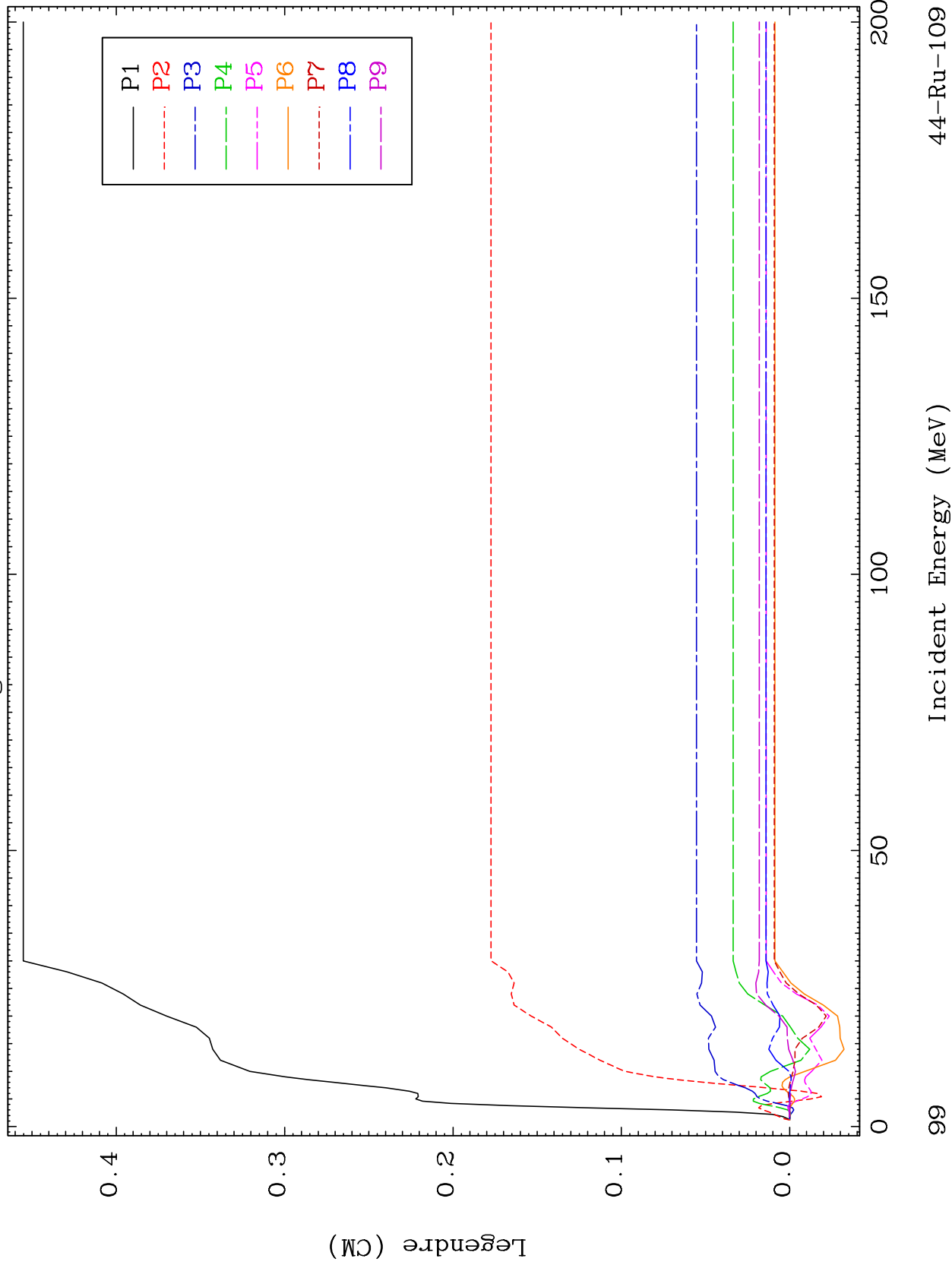
Incident Energy (MeV)

44-Ru-109

MAT 4464

1.159 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

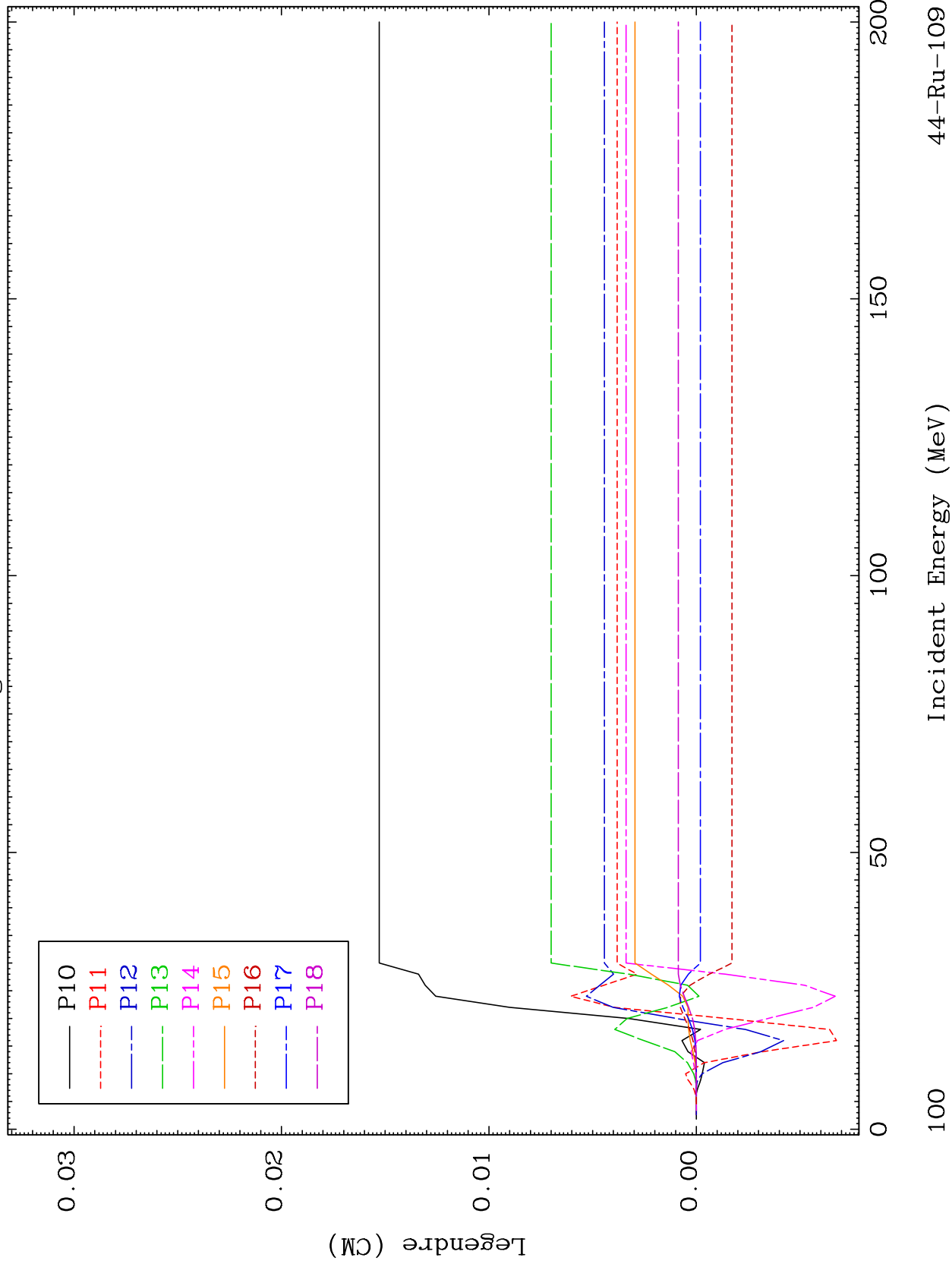
Incident Energy (MeV)

99

MAT 4464

1.159 MeV (n, n') Level
Legendre Coefficients

44-Ru-109



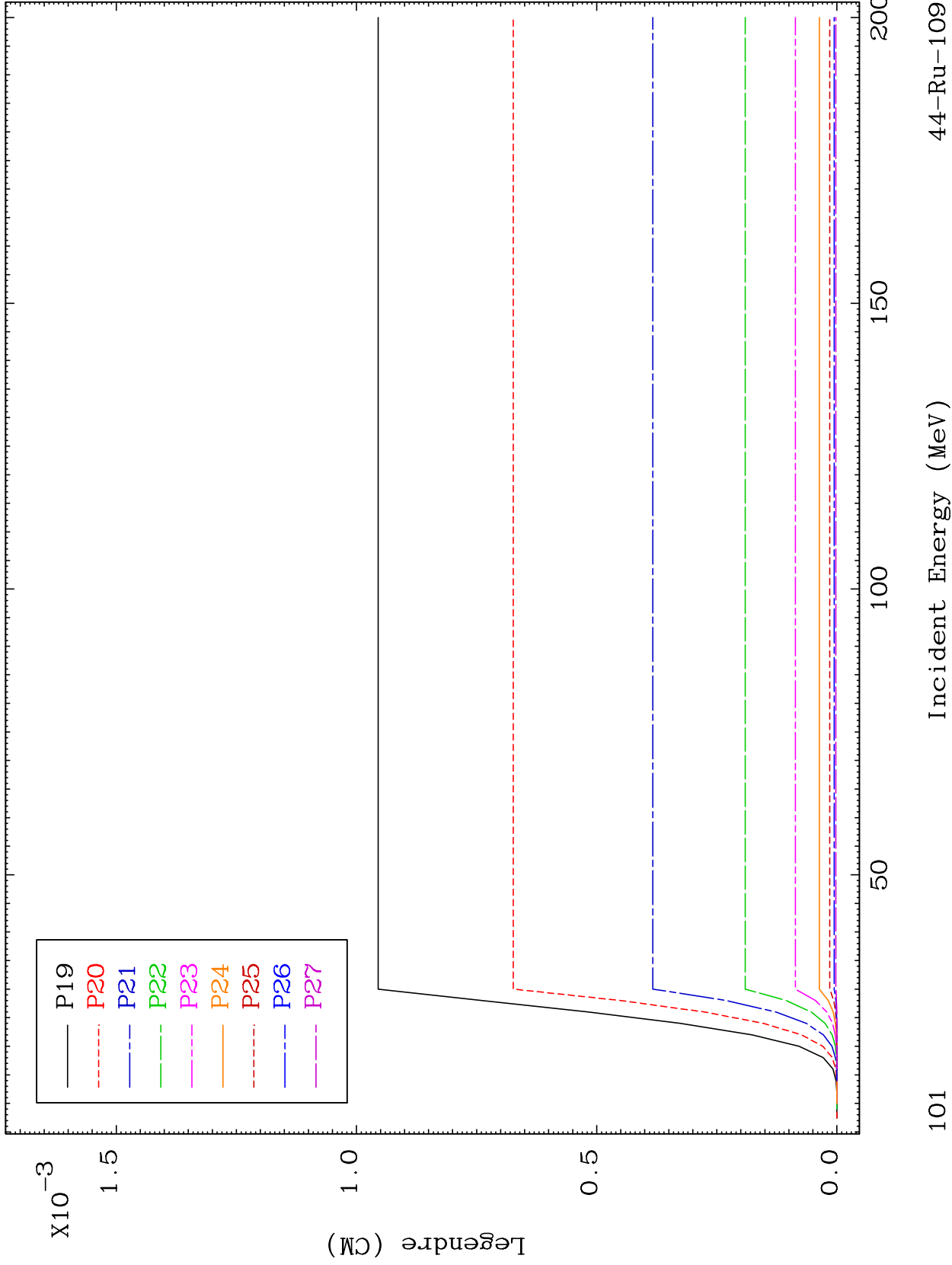
44-Ru-109

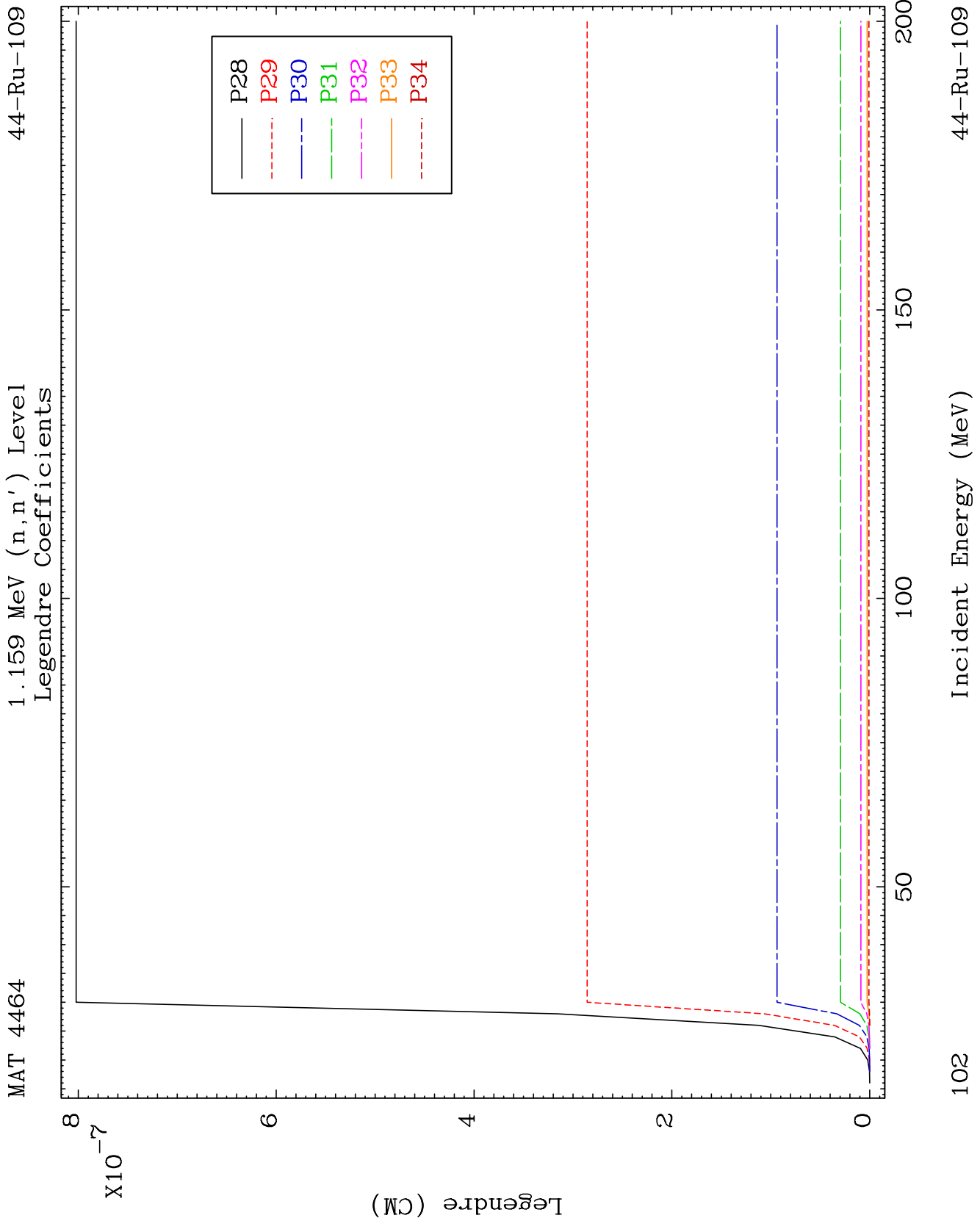
Incident Energy (MeV)

MAT 4464

1.159 MeV (n,n') Level
Legendre Coefficients

44-Ru-109

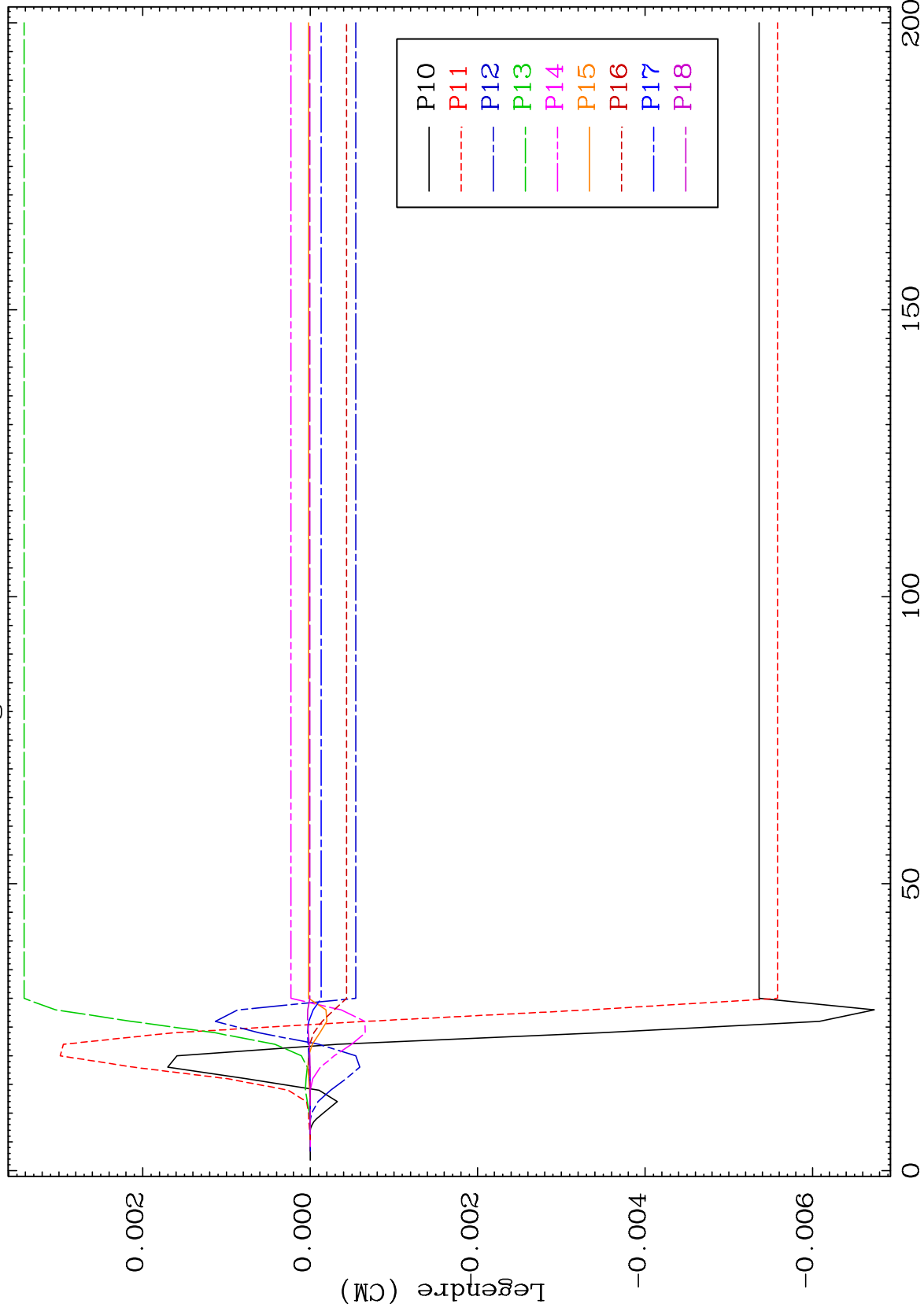




MAT 4464

1.184 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



104

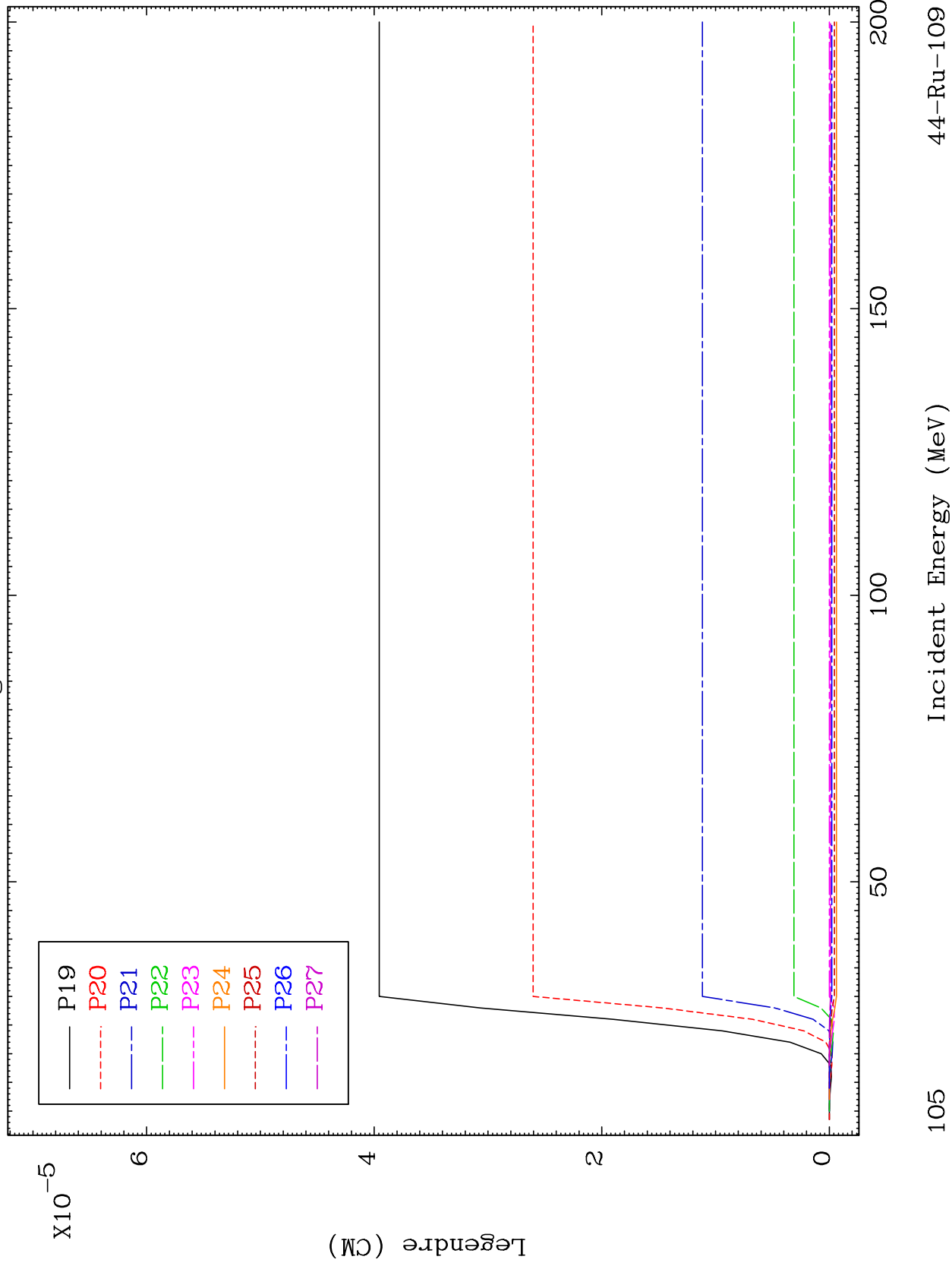
Incident Energy (MeV)

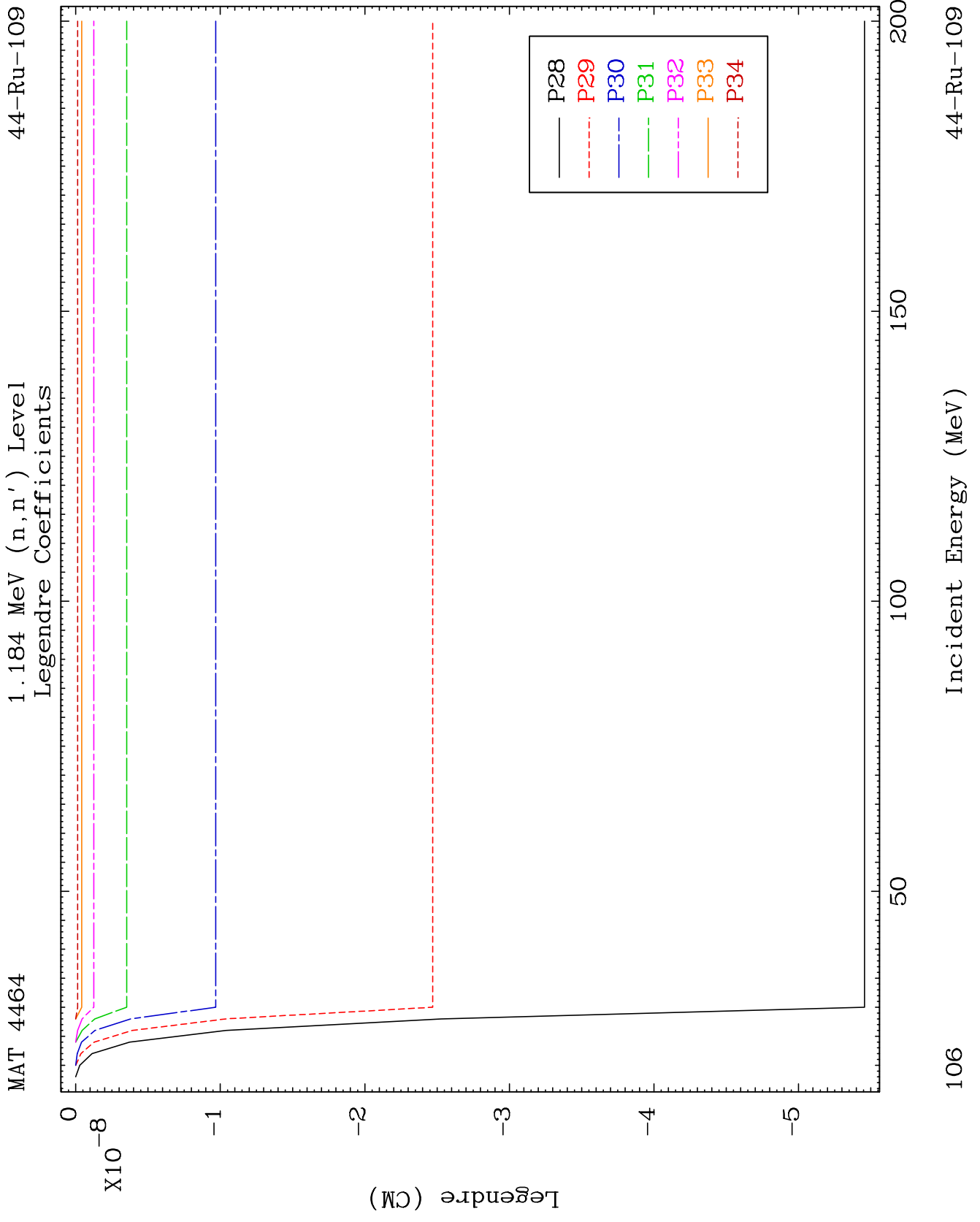
44-Ru-109

MAT 4464

1.184 MeV (n,n') Level
Legendre Coefficients

44-Ru-109

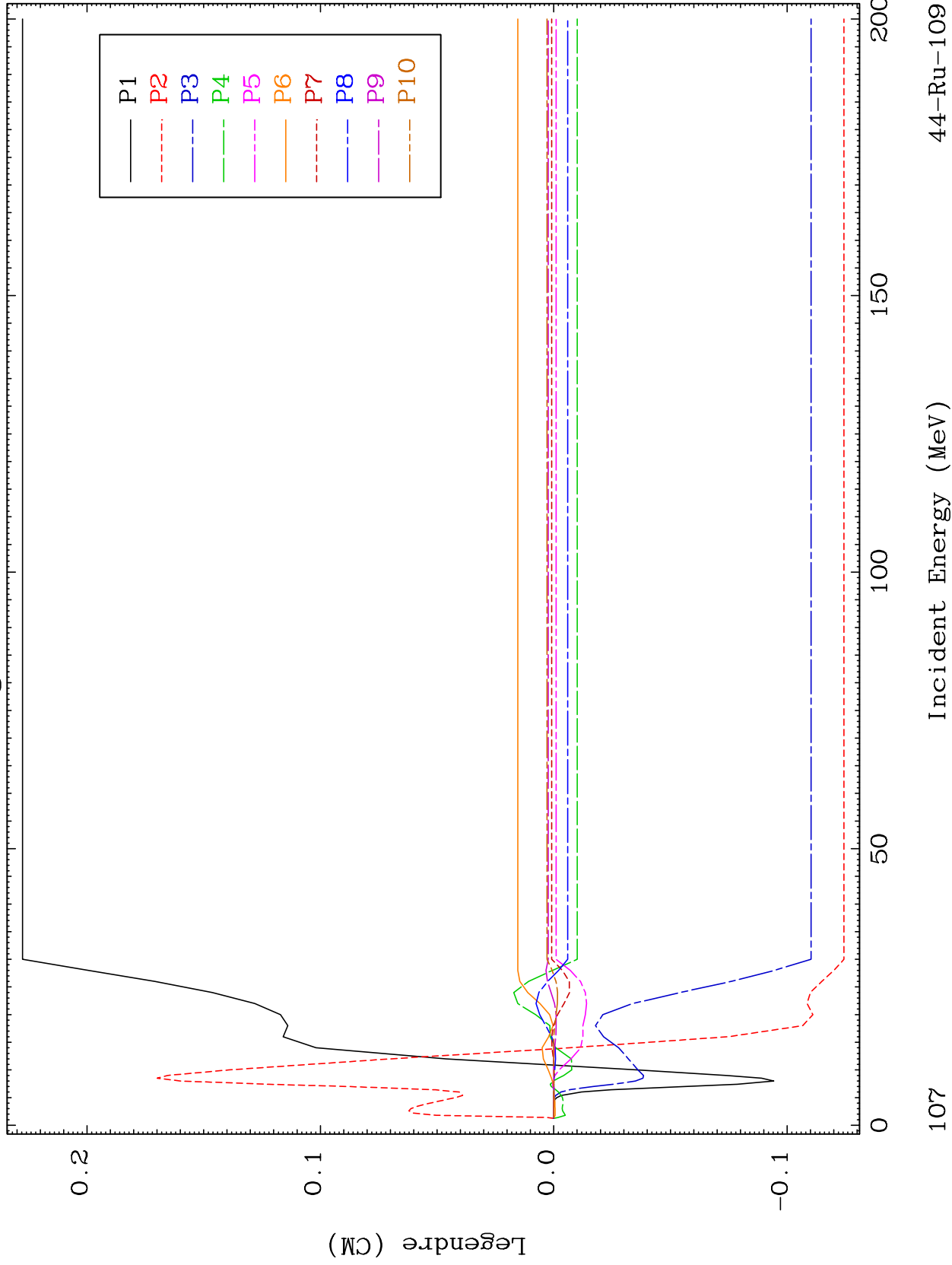




MAT 4464

1.219 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

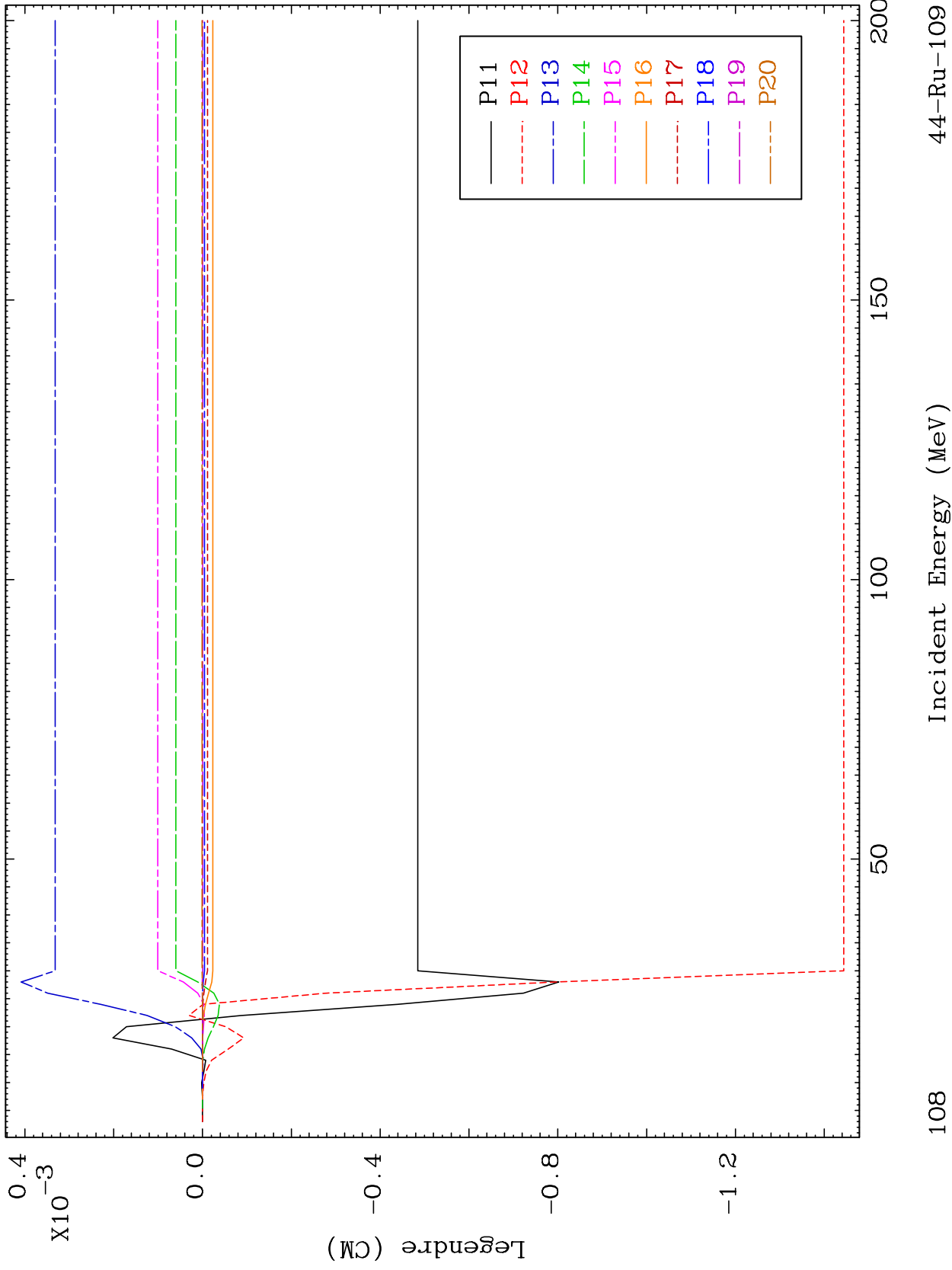
Incident Energy (MeV)

107

MAT 4464

1.219 MeV (n,n') Level
Legendre Coefficients

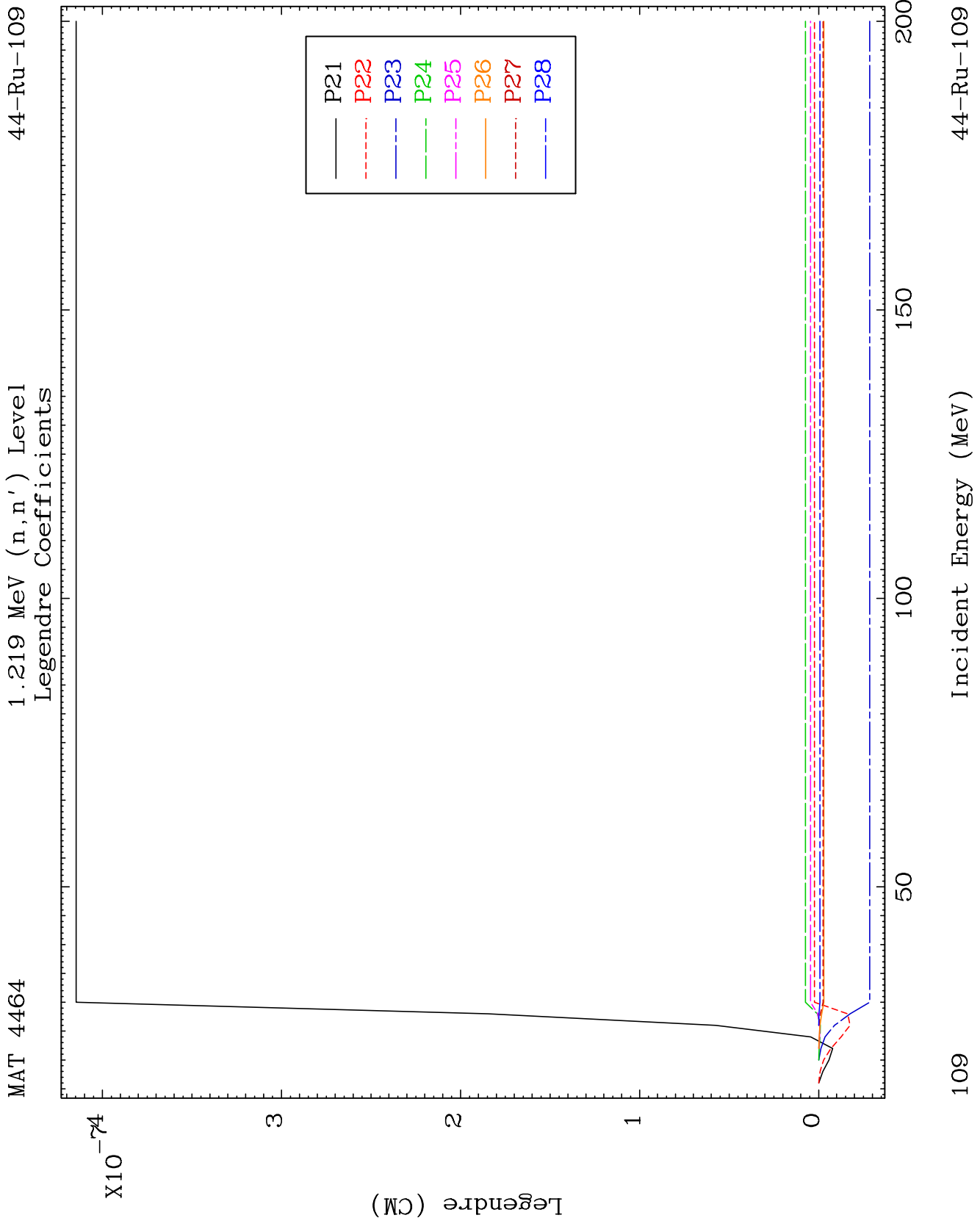
44-Ru-109

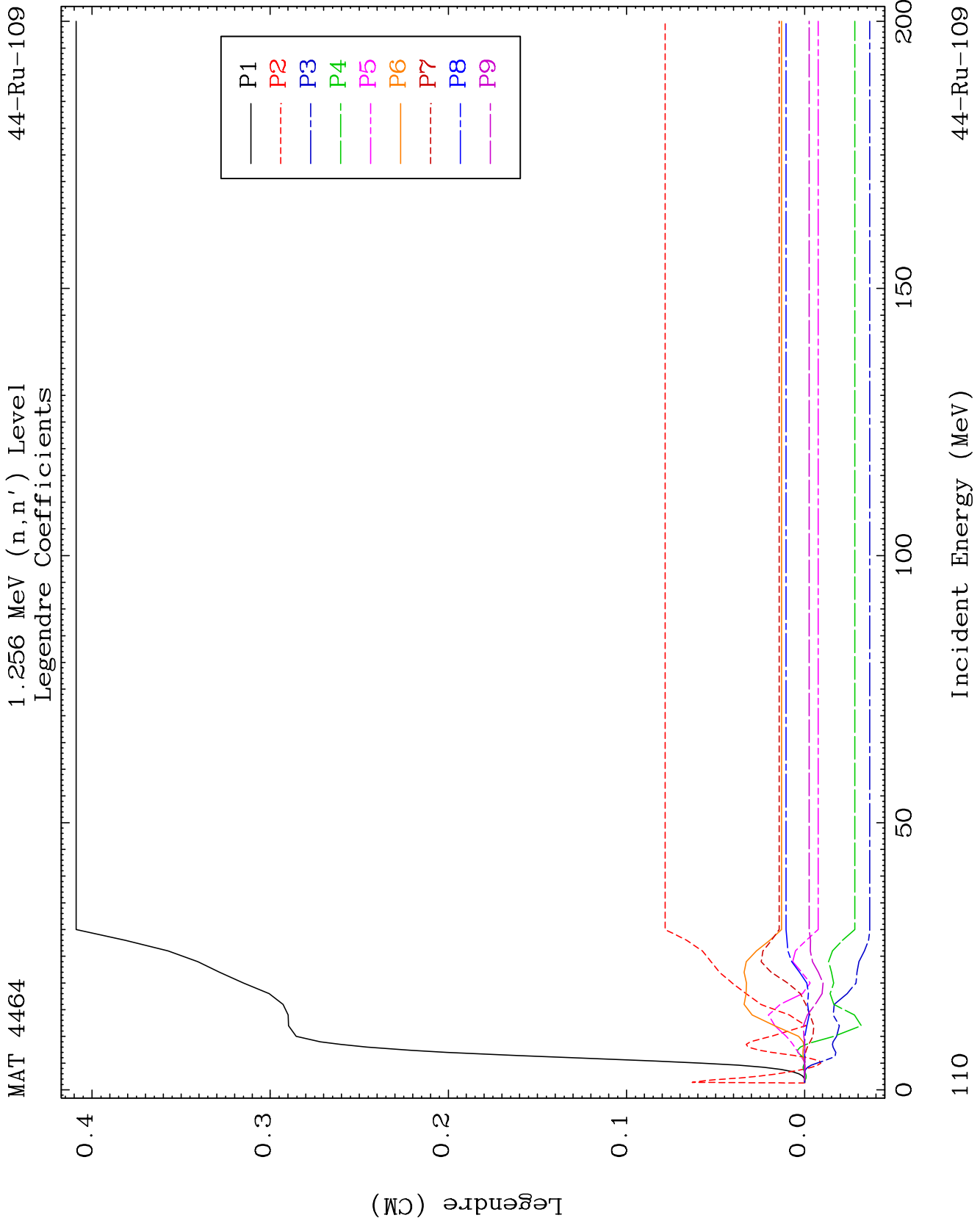


108

Incident Energy (MeV)

44-Ru-109

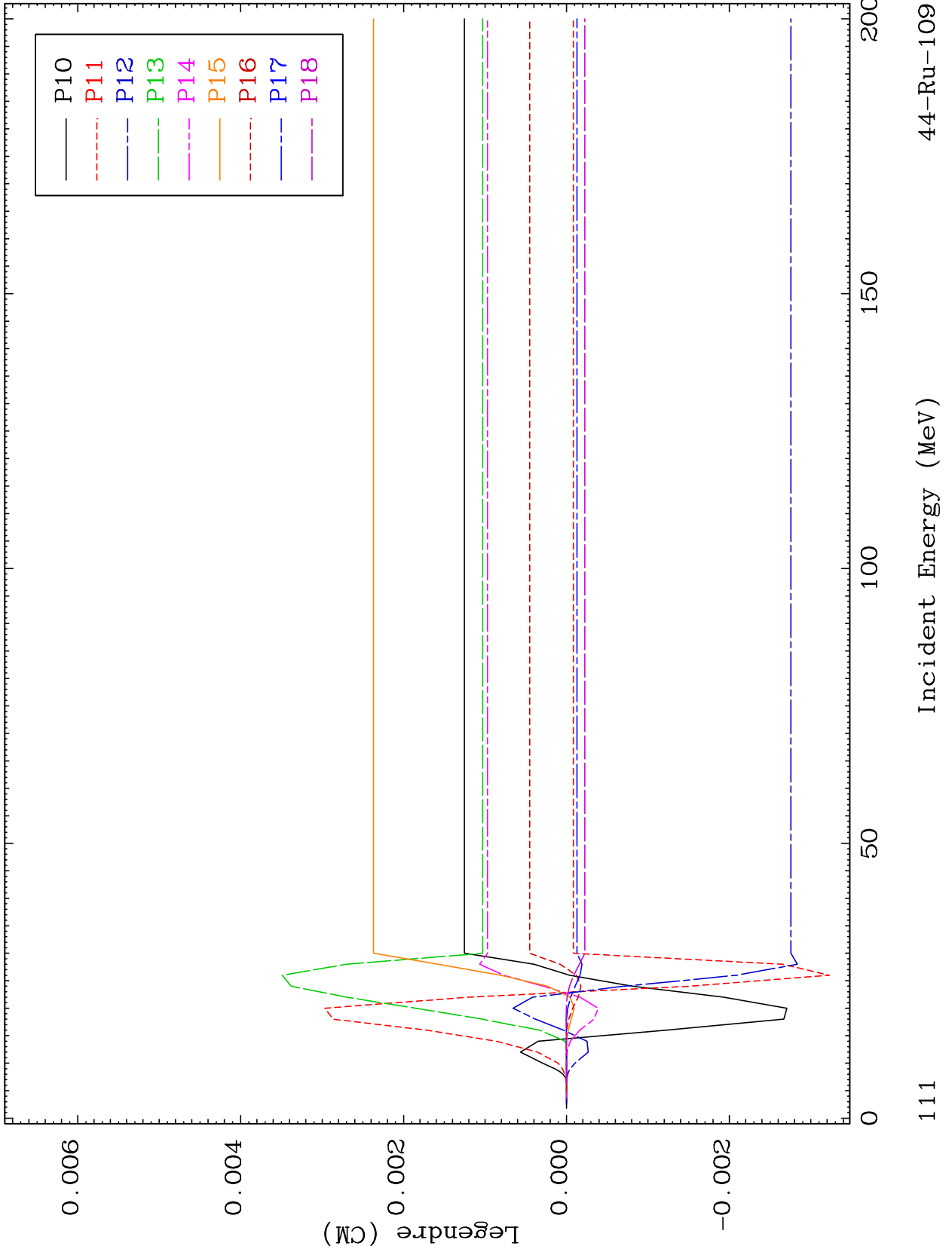




MAT 4464

1.256 MeV (n,n') Level
Legendre Coefficients

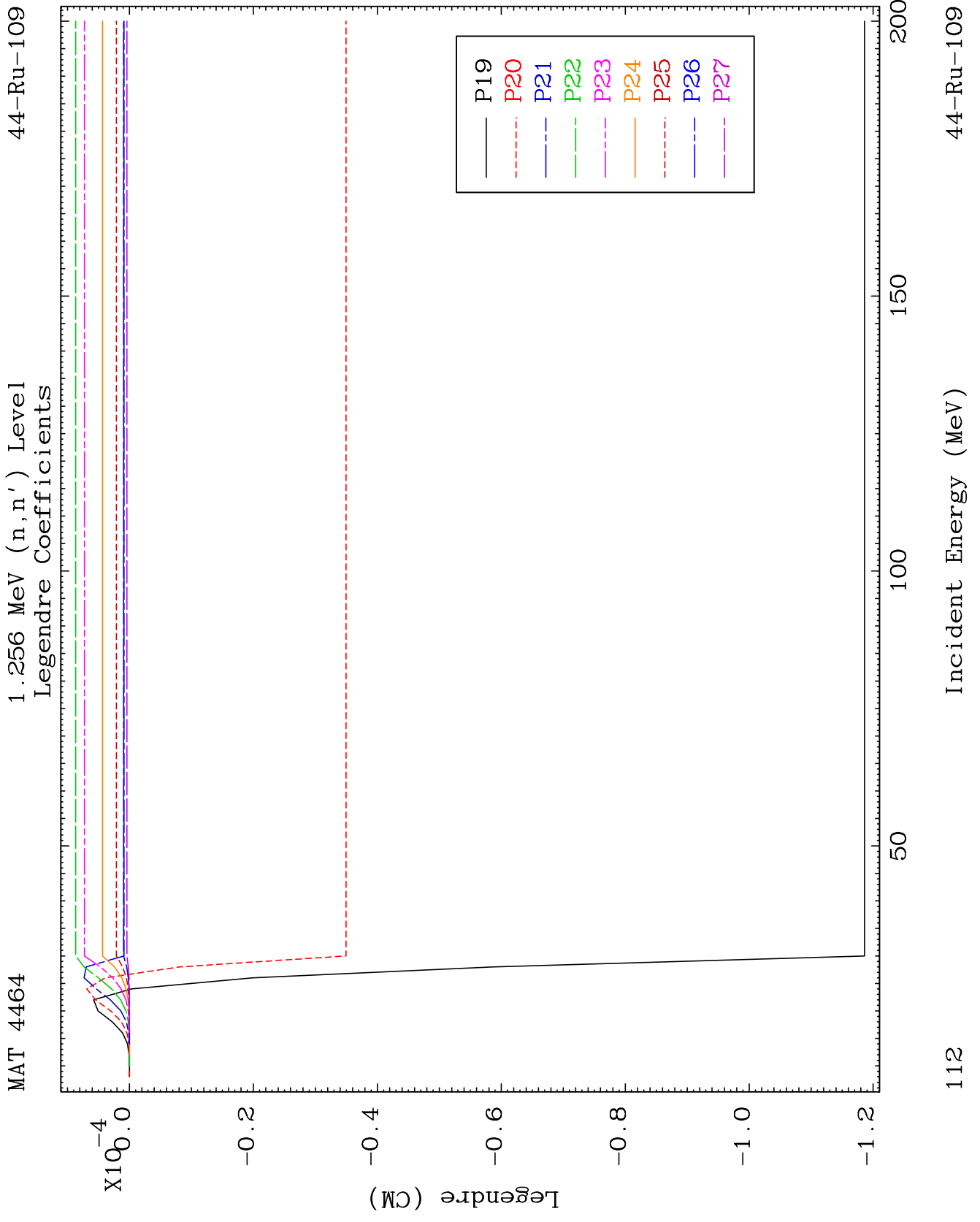
44-Ru-109



111

Incident Energy (MeV)

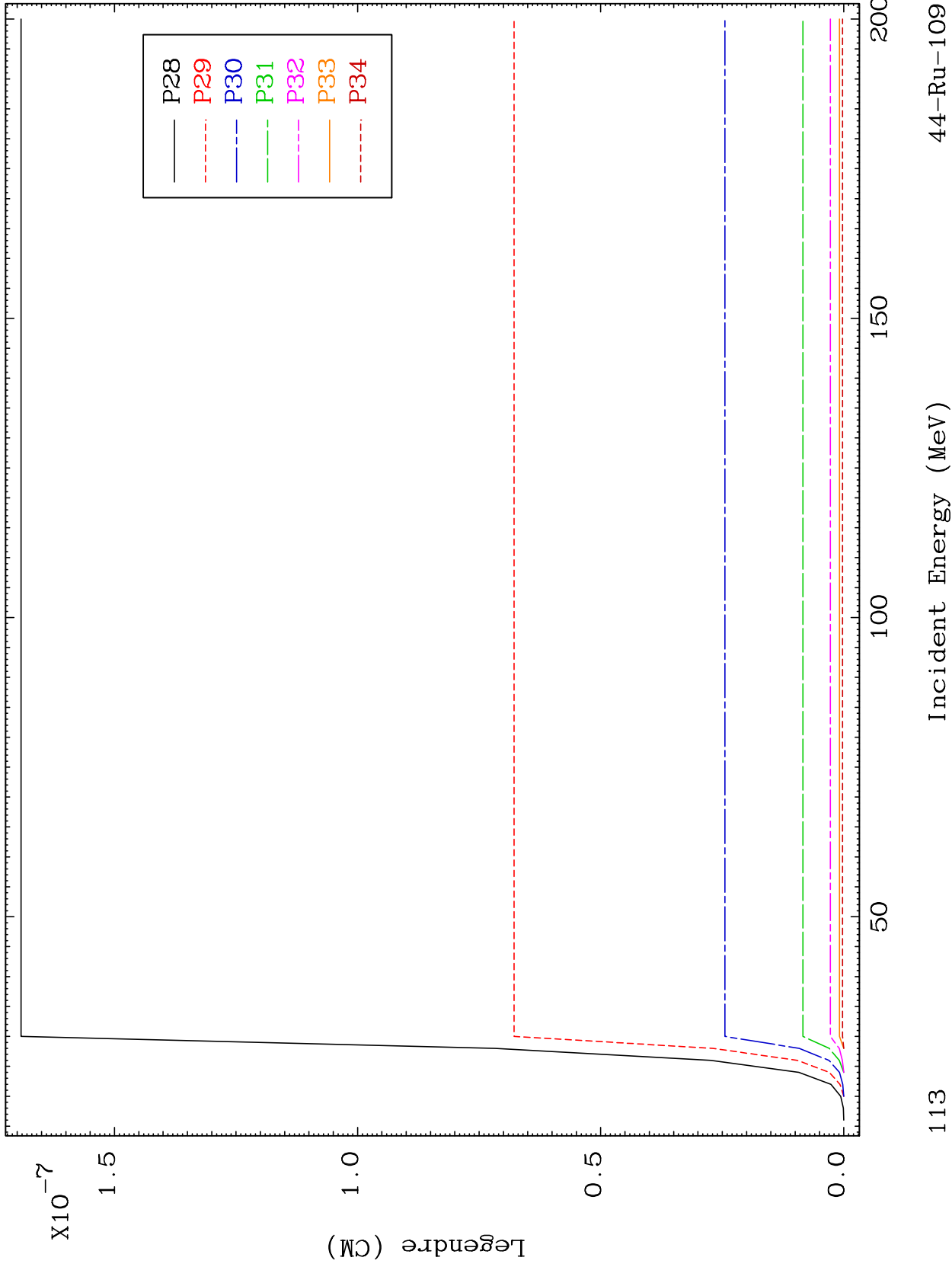
44-Ru-109



MAT 4464

1.256 MeV (n,n') Level
Legendre Coefficients

44-Ru-109

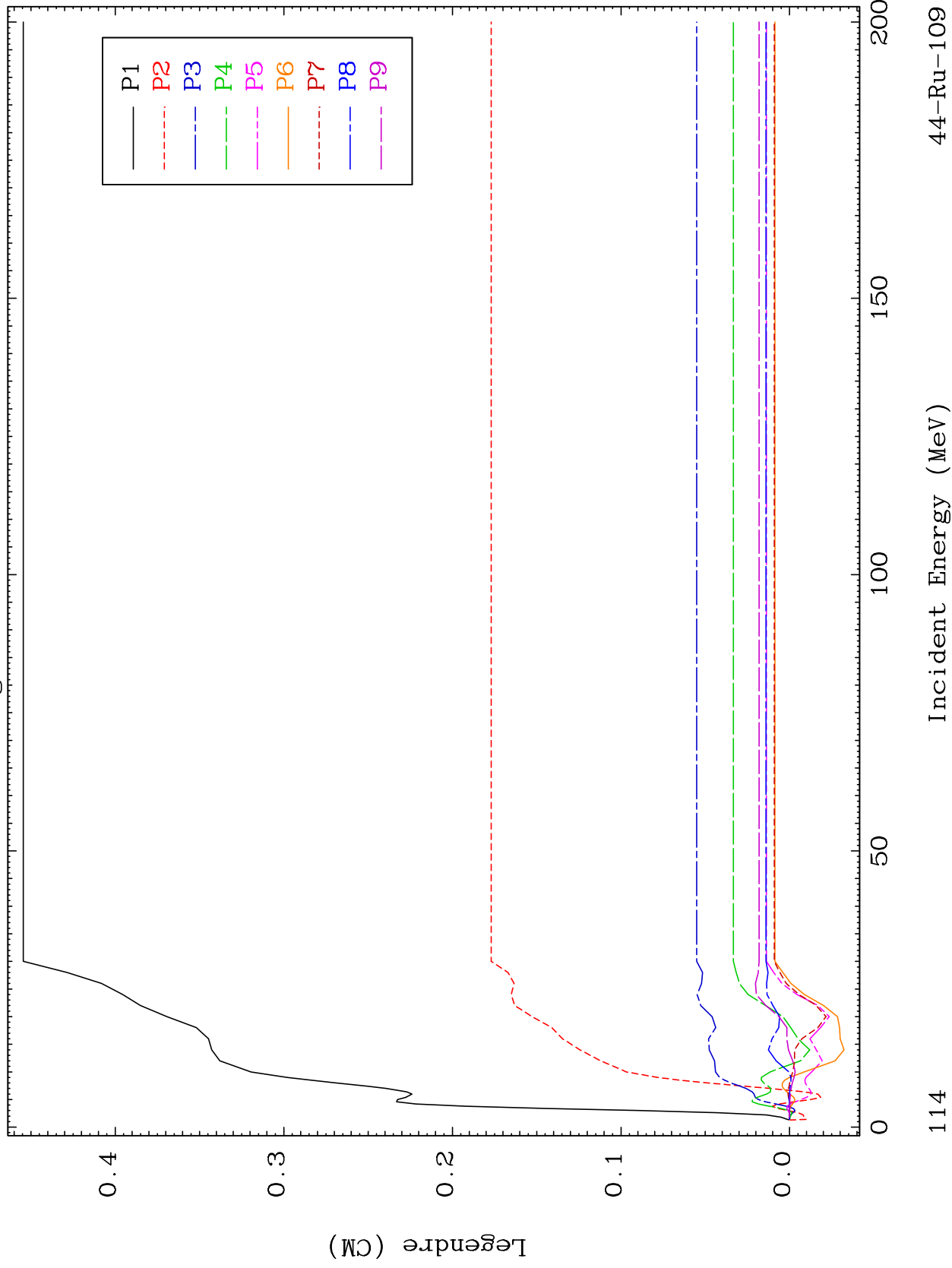


113

MAT 4464

1.268 MeV (n, n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

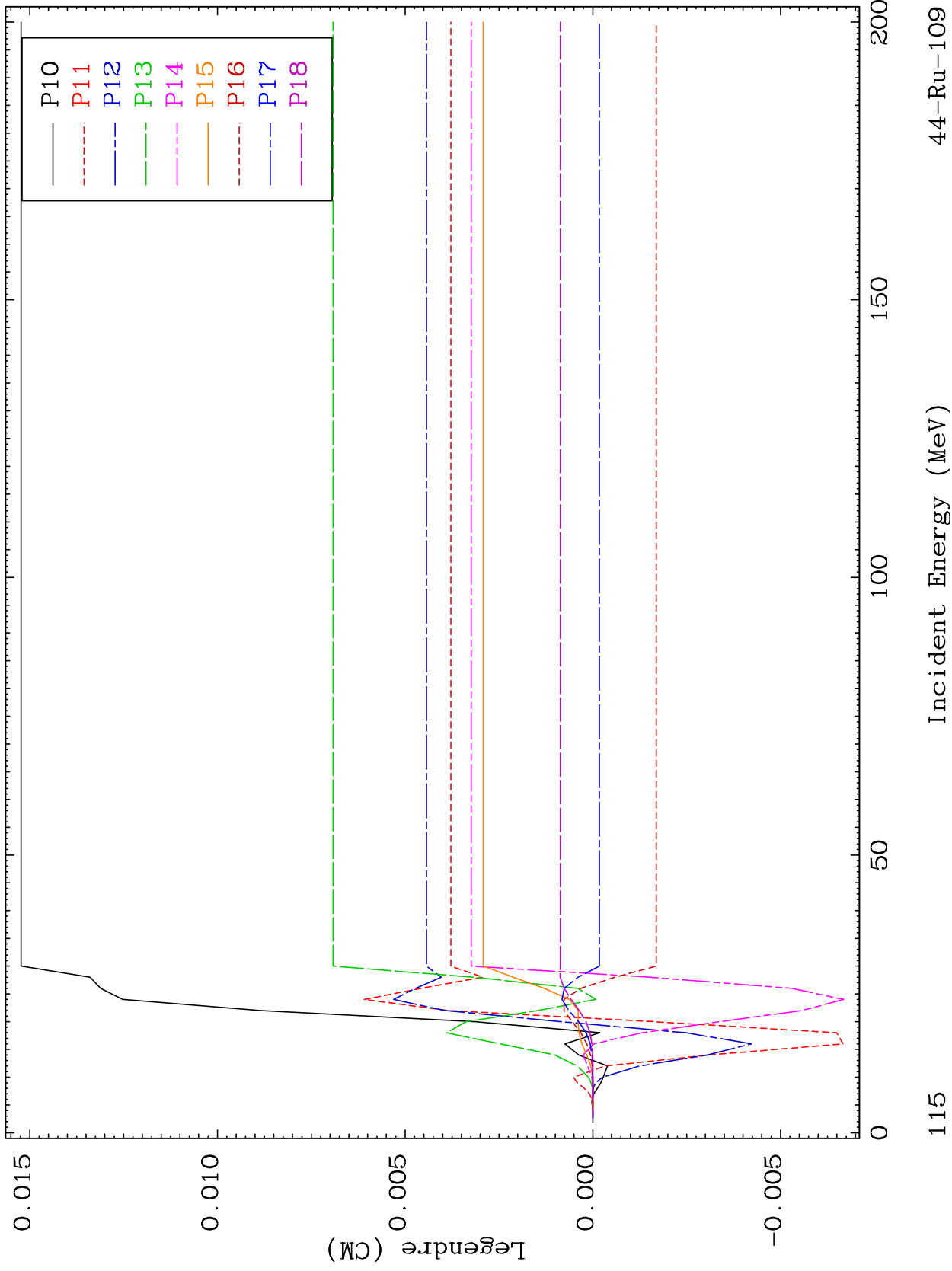
Incident Energy (MeV)

114

MAT 4464

1.268 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

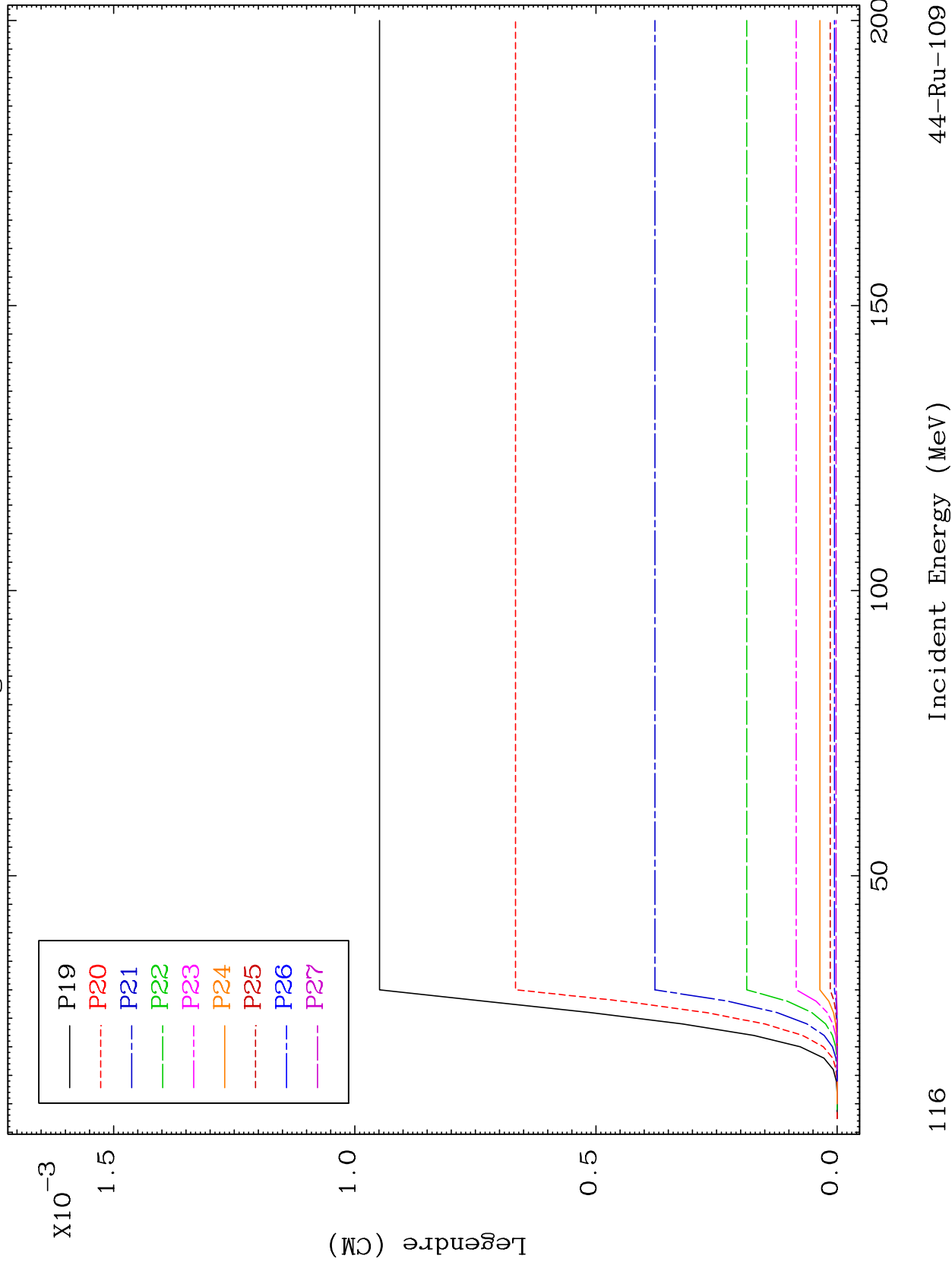
Incident Energy (MeV)

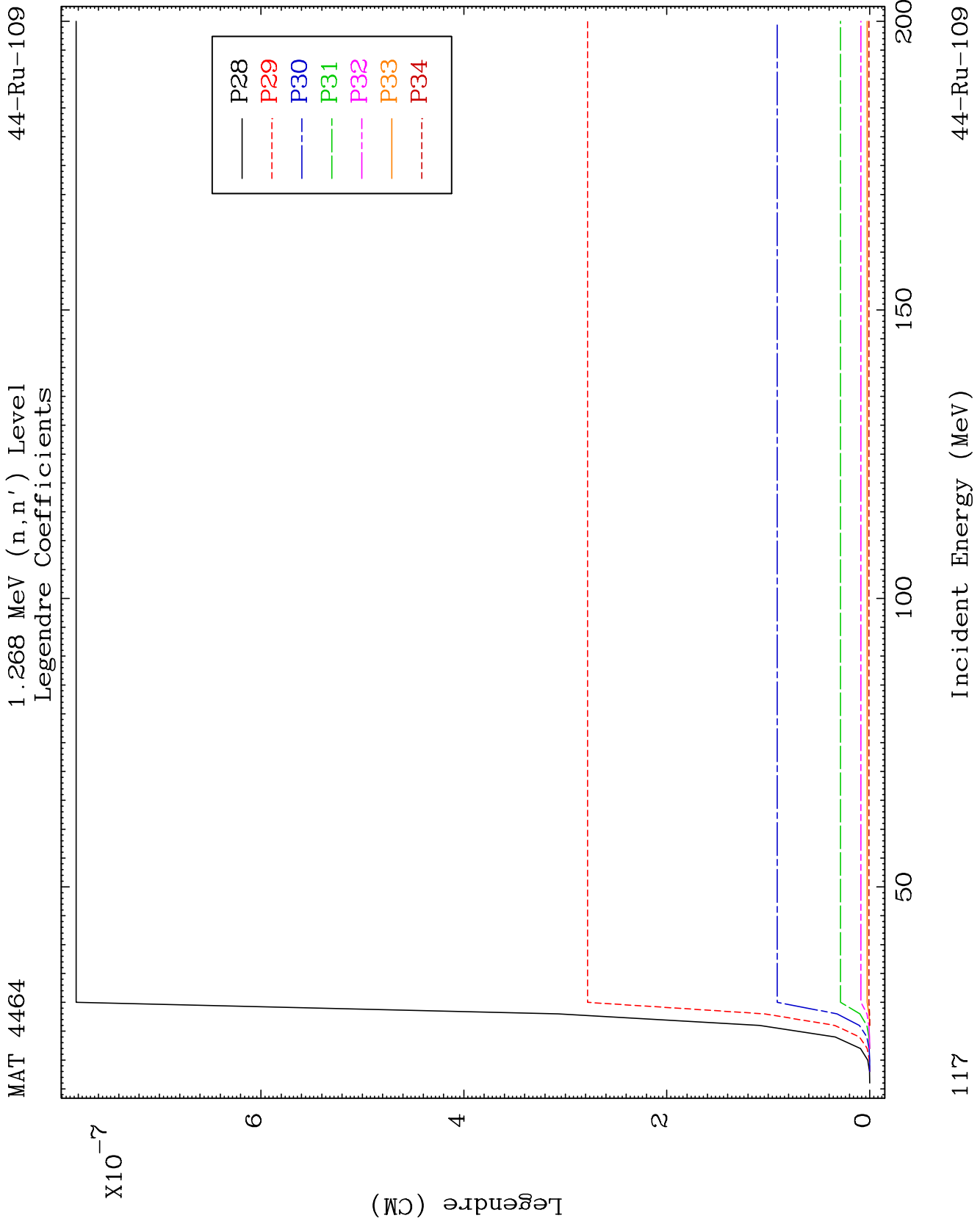
115

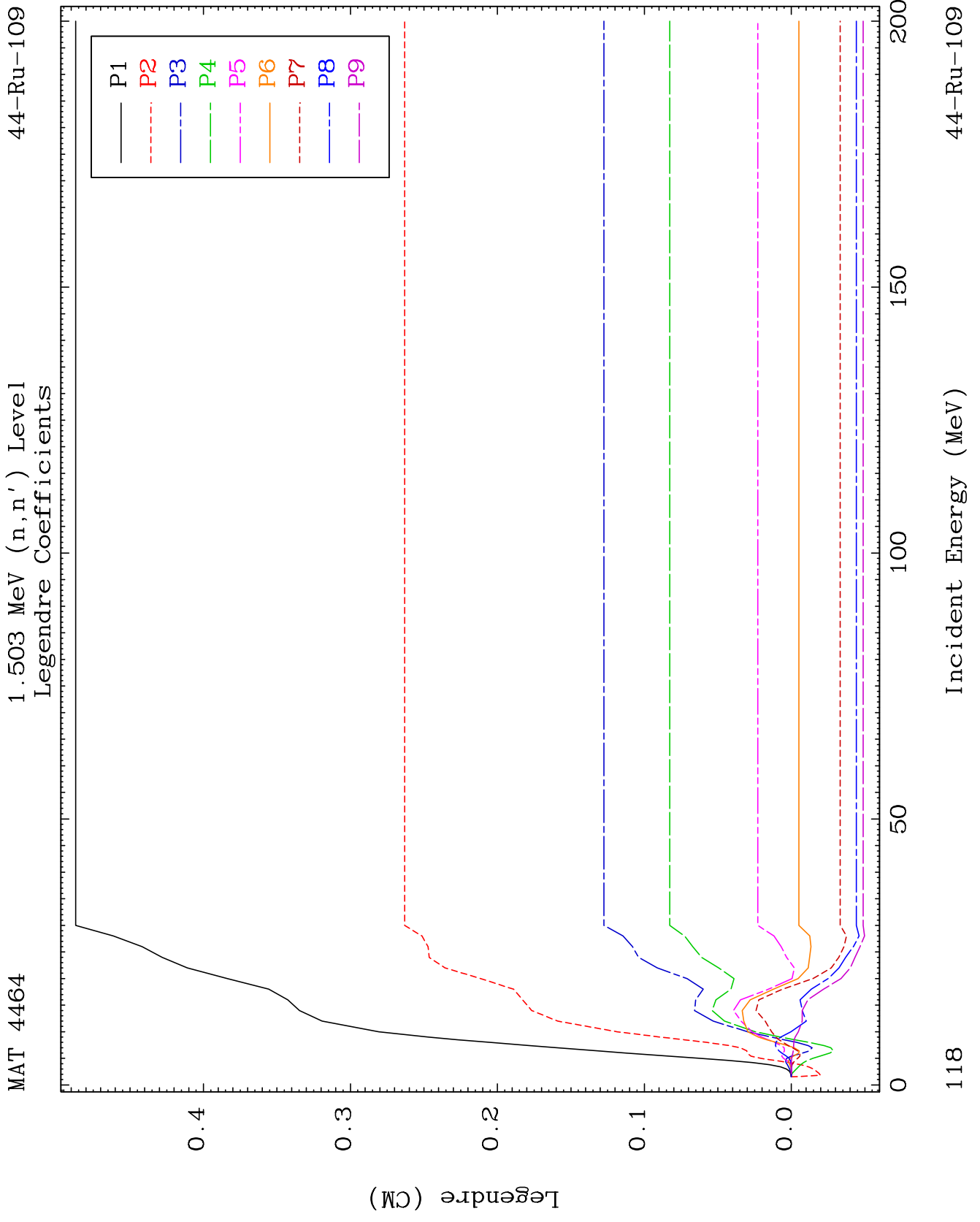
MAT 4464

1.268 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



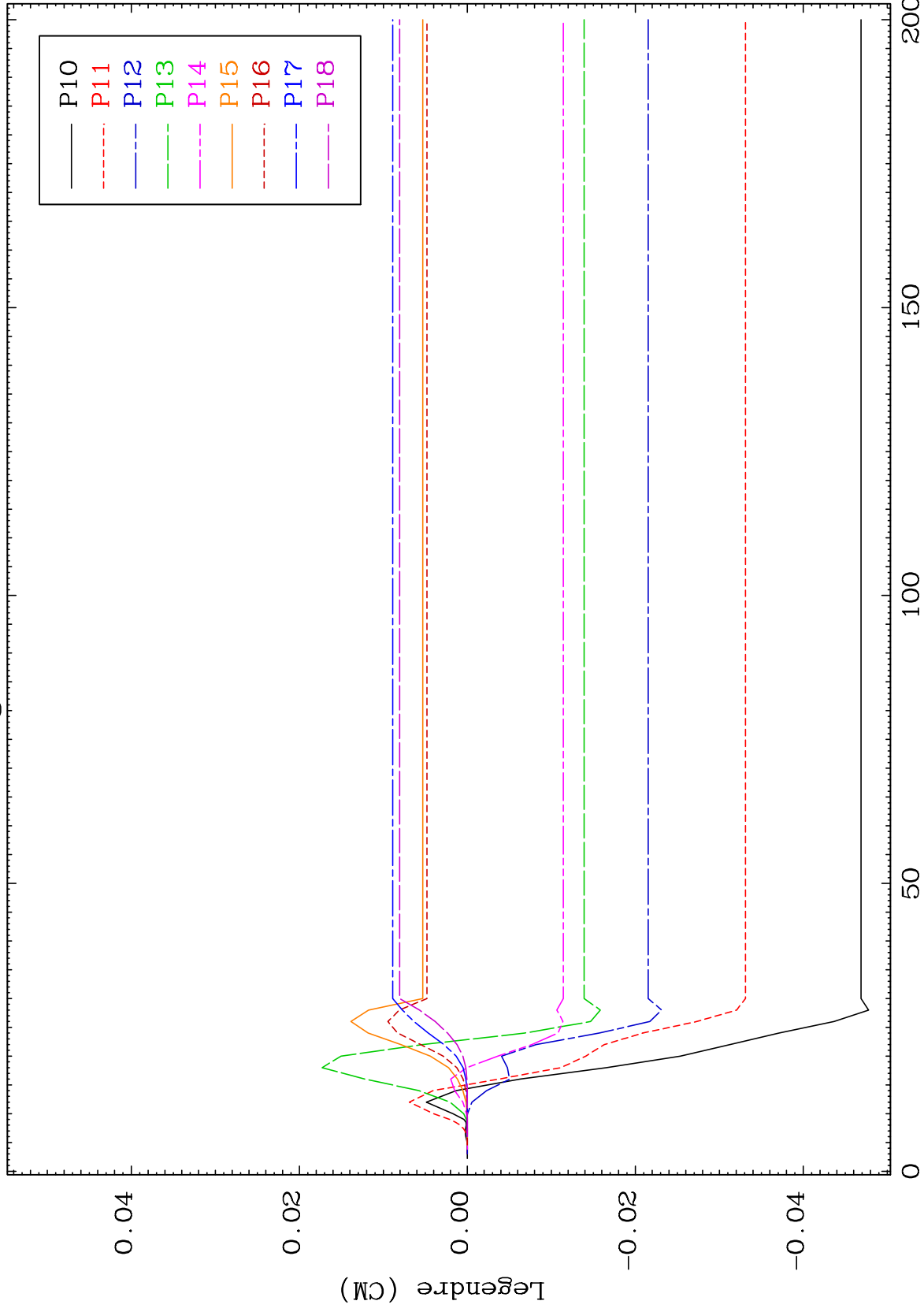




MAT 4464

1.503 MeV (n, n') Level Legendre Coefficients

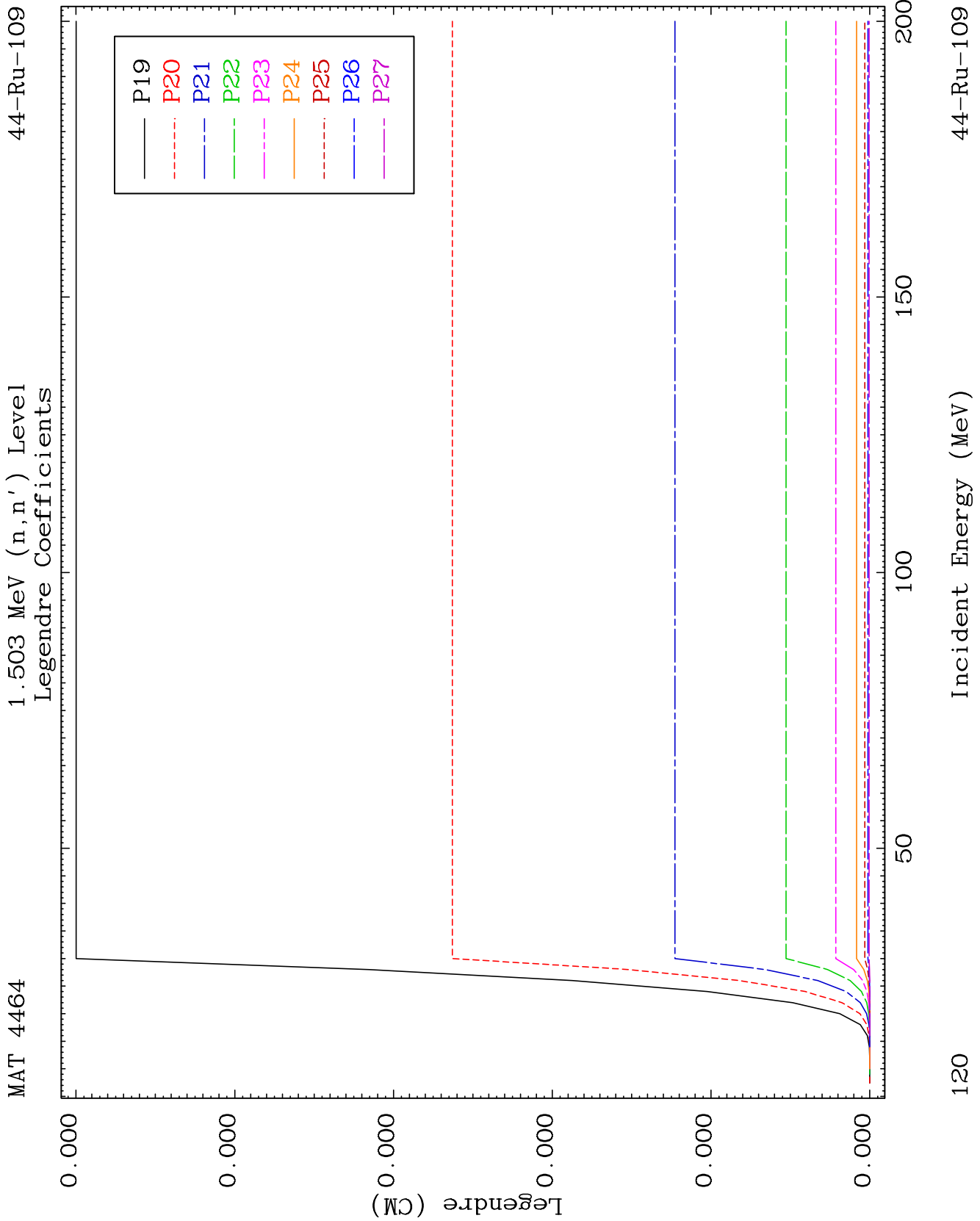
44-Ru-109

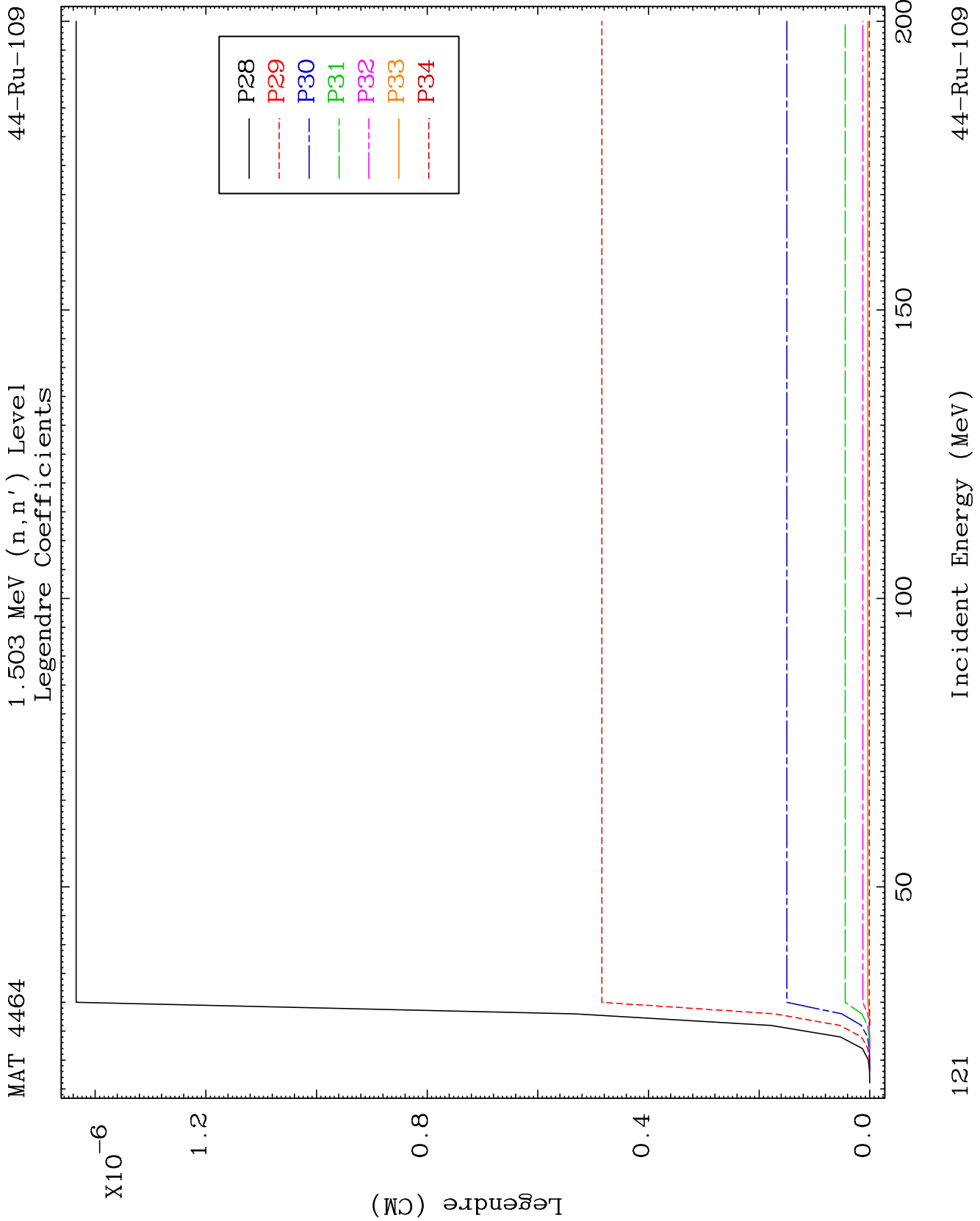


119

Incident Energy (MeV)

44-Ru-109

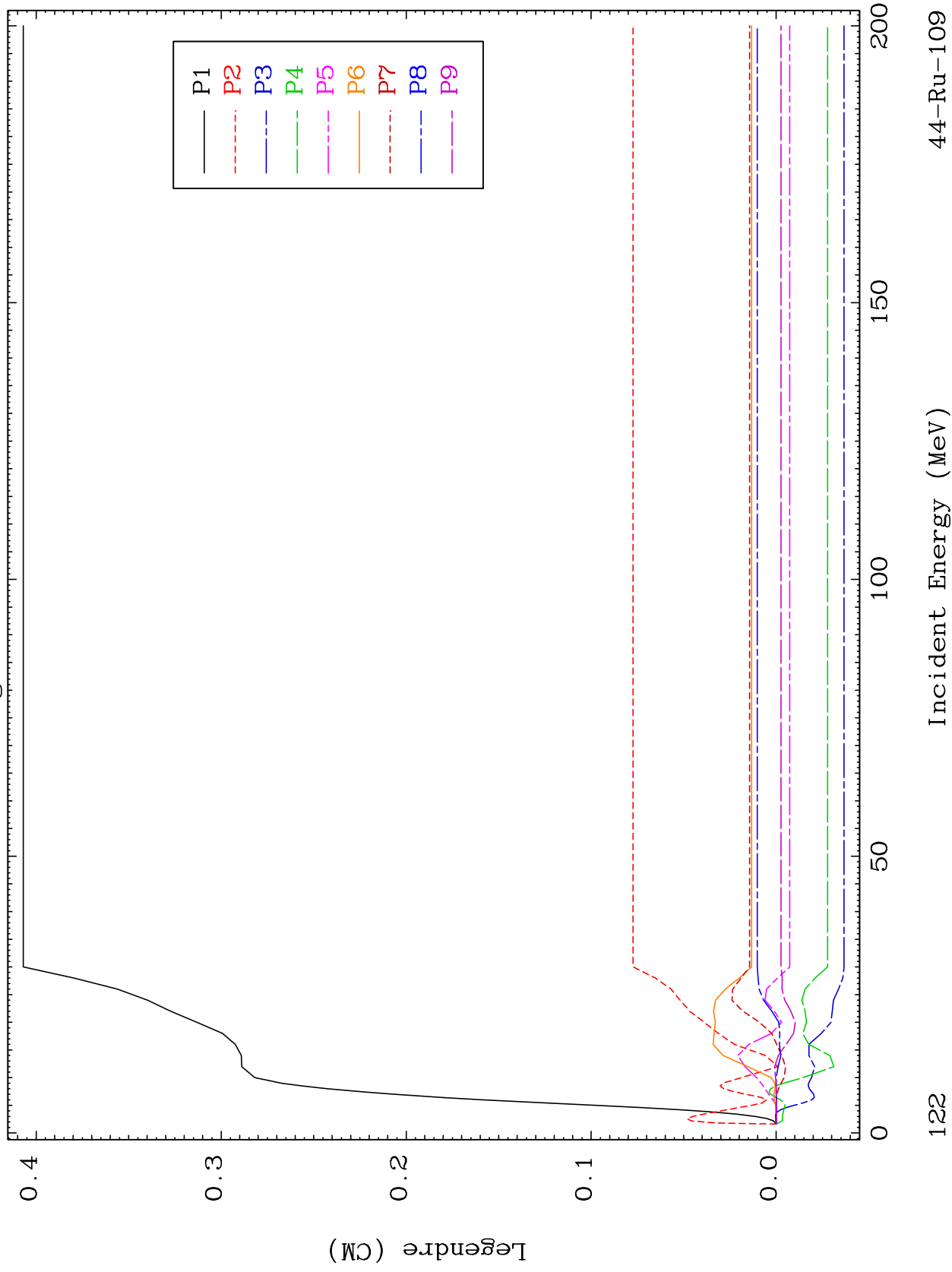




MAT 4464

1.600 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

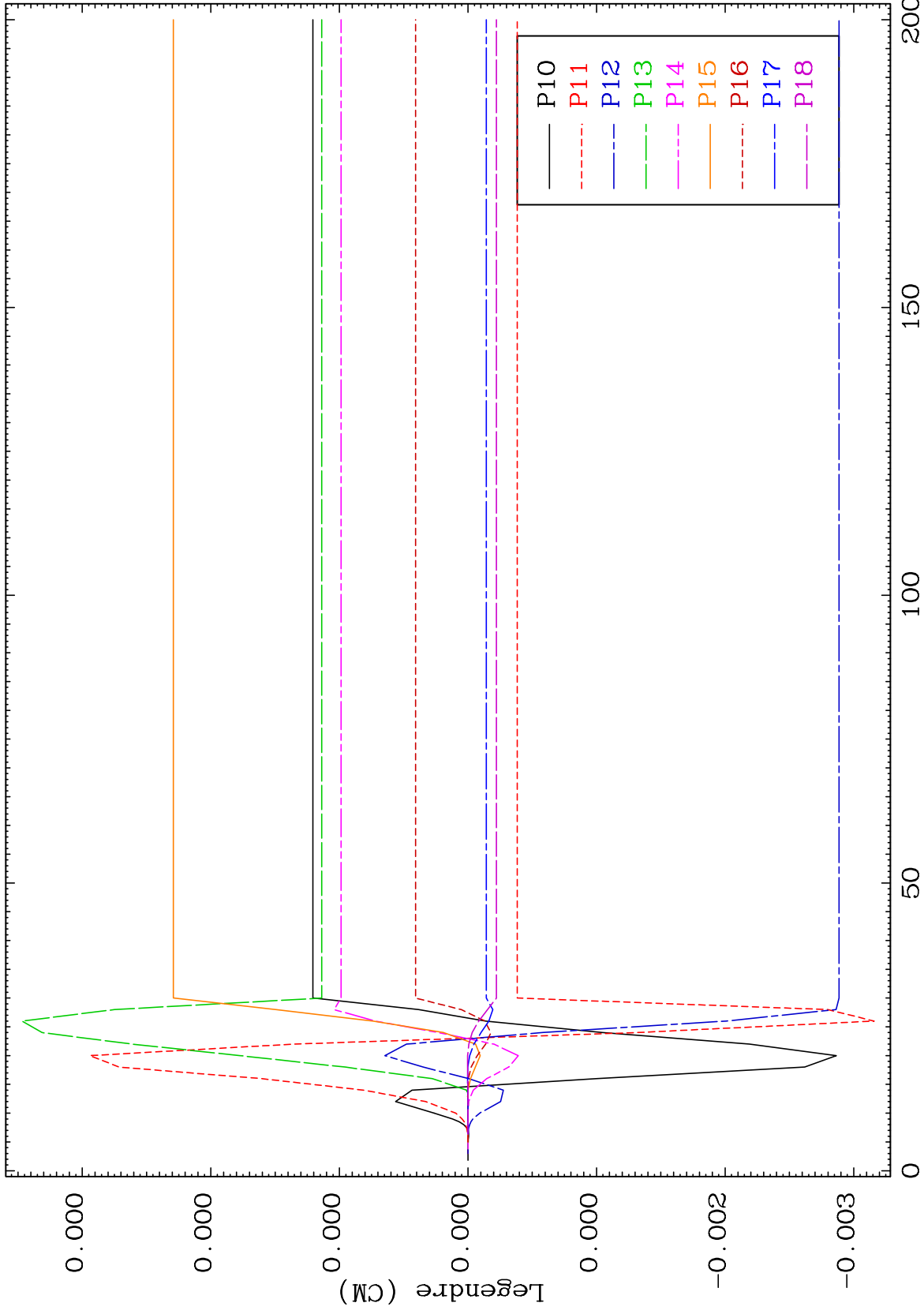
Incident Energy (MeV)

122

MAT 4464

1.600 MeV (n,n') Level
Legendre Coefficients

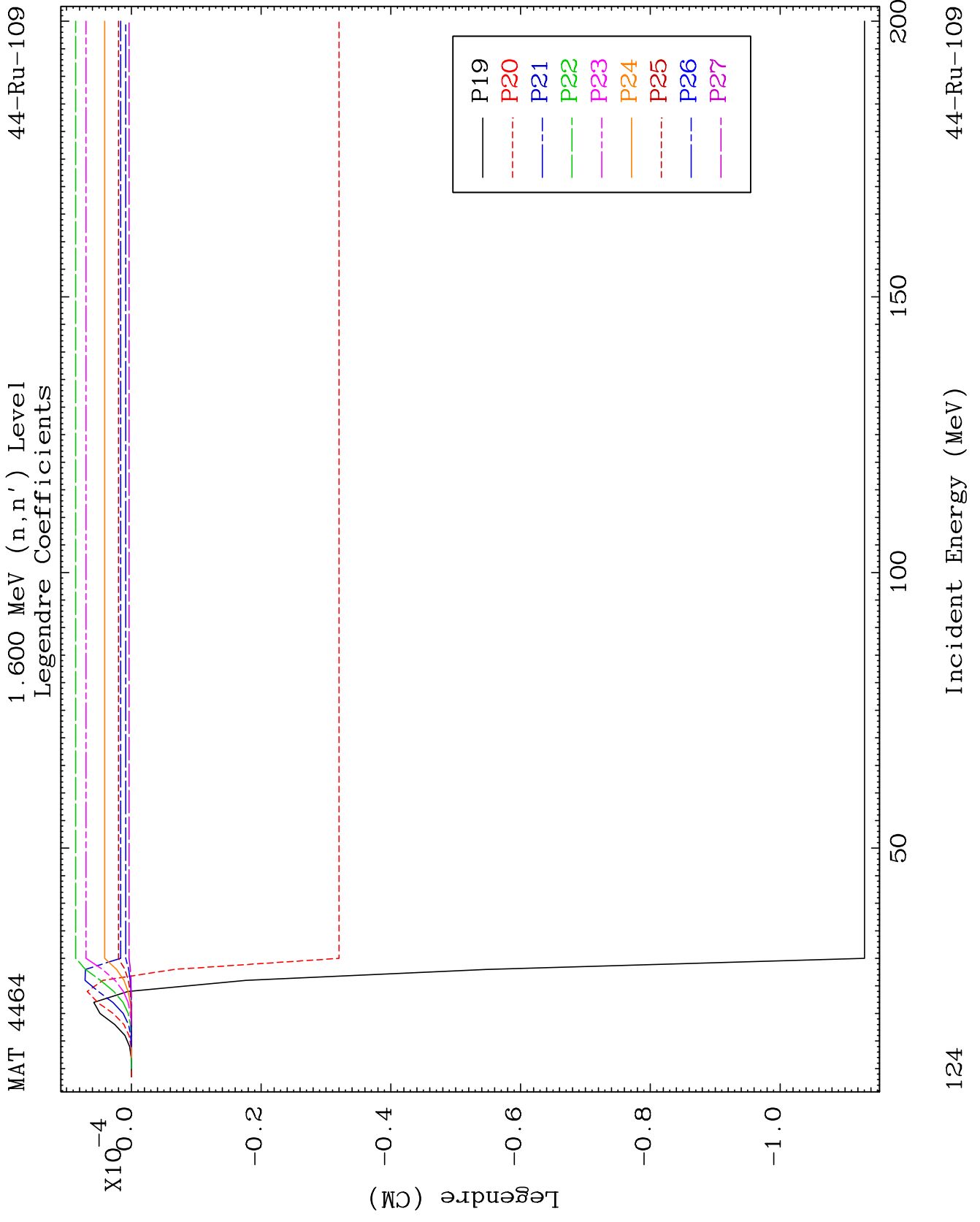
44-Ru-109

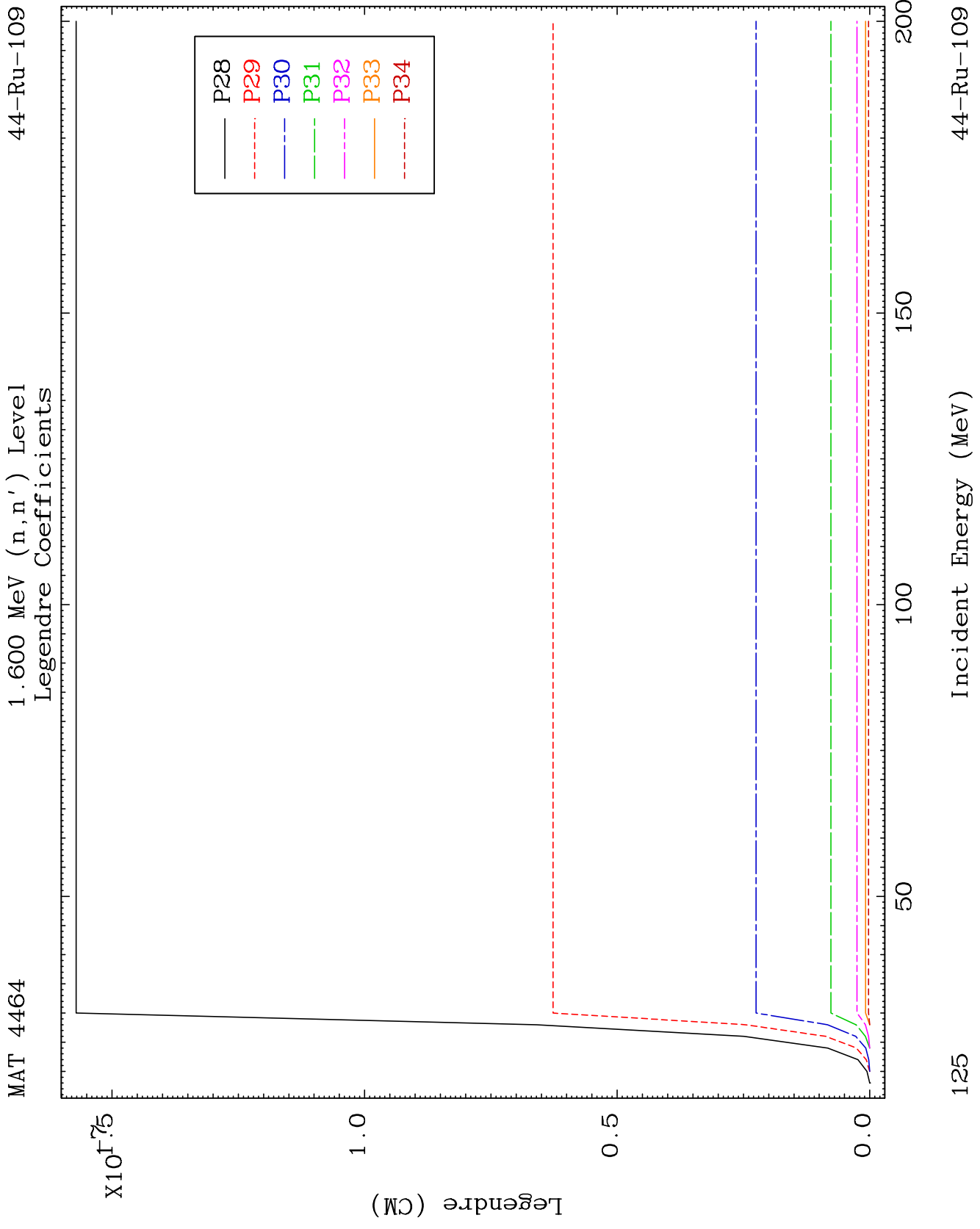


123

Incident Energy (MeV)

44-Ru-109

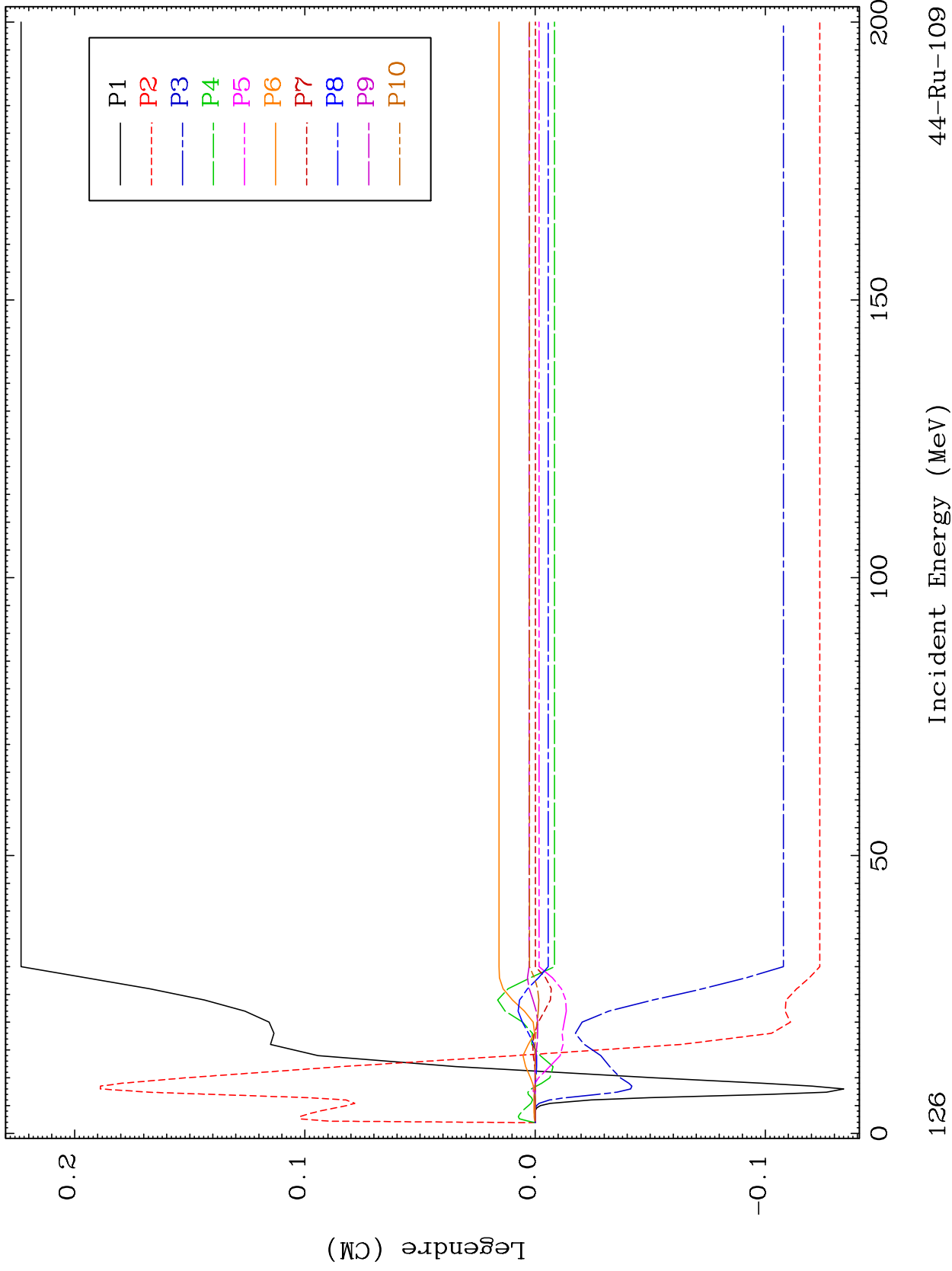




MAT 4464

1.891 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



126

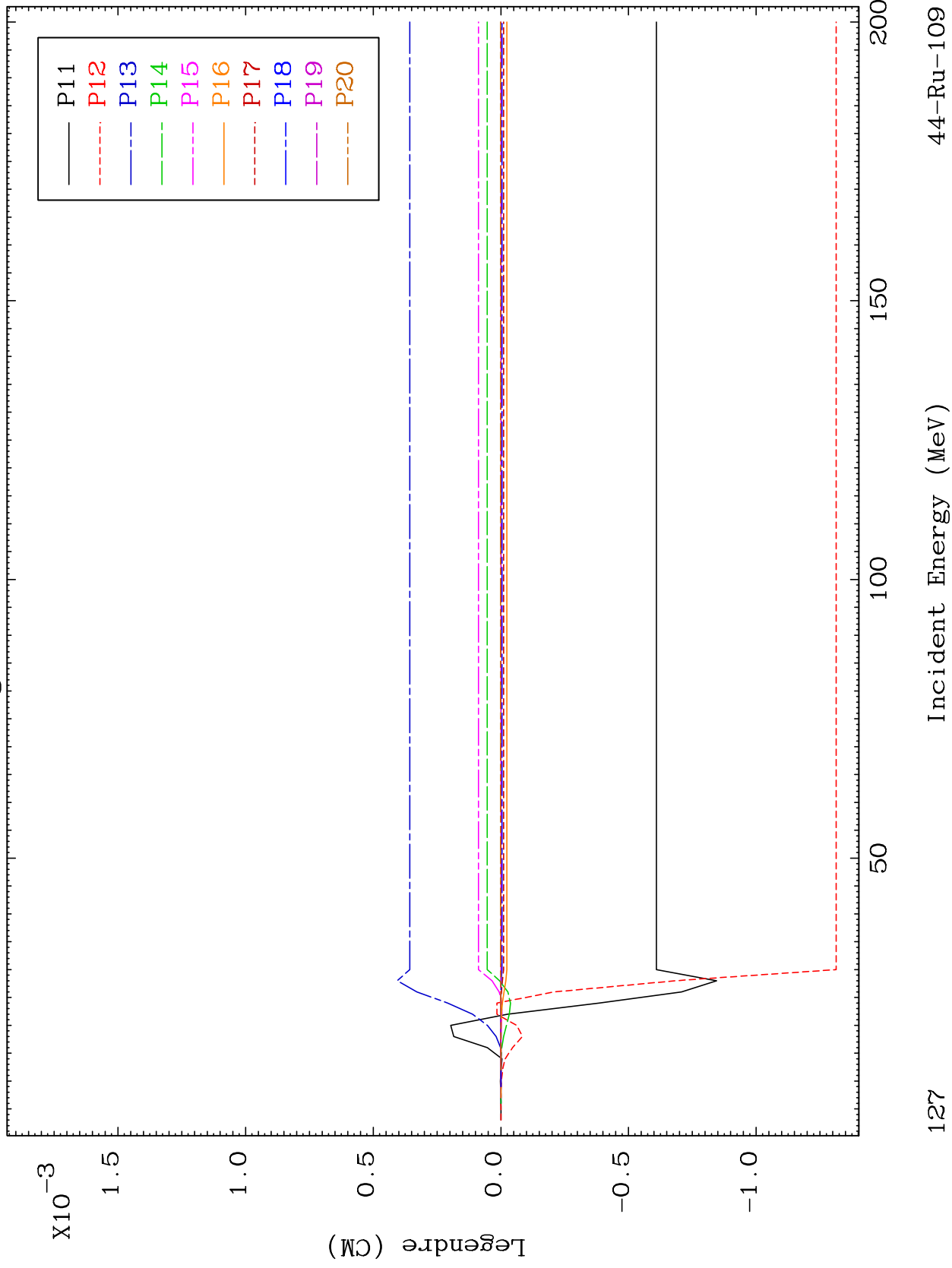
Incident Energy (MeV)

44-Ru-109

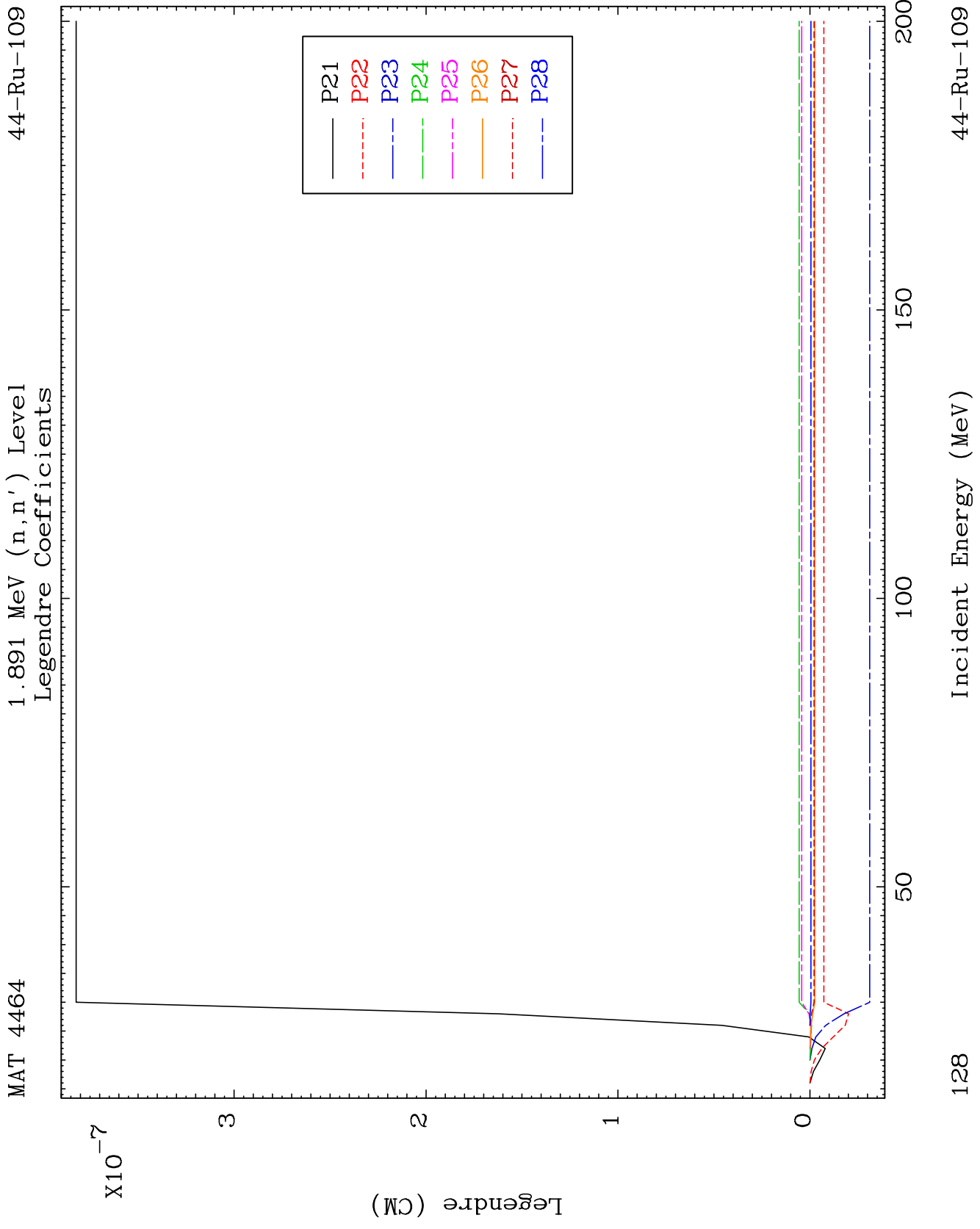
MAT 4464

1.891 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



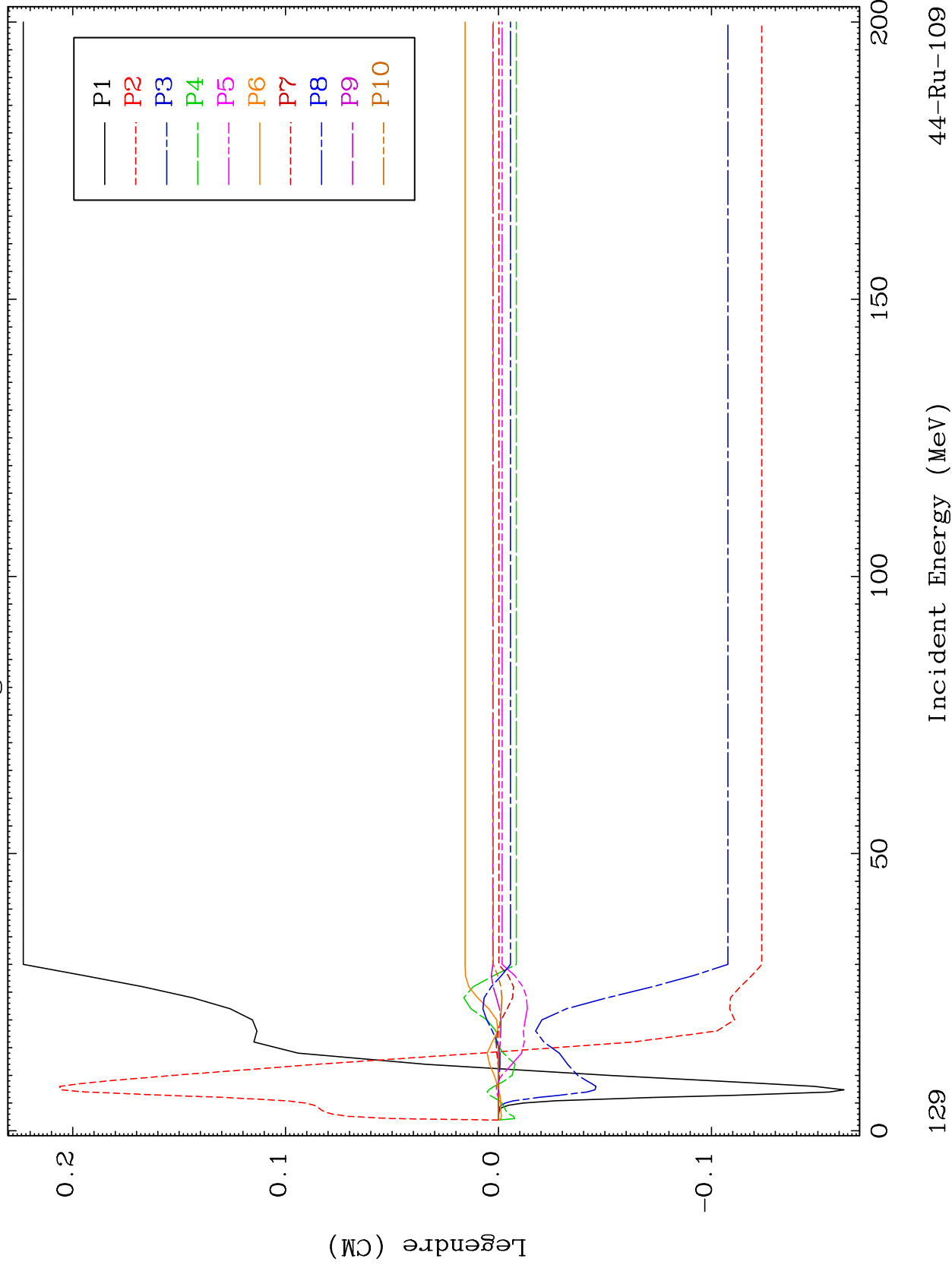
127



MAT 4464

1.910 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



44-Ru-109

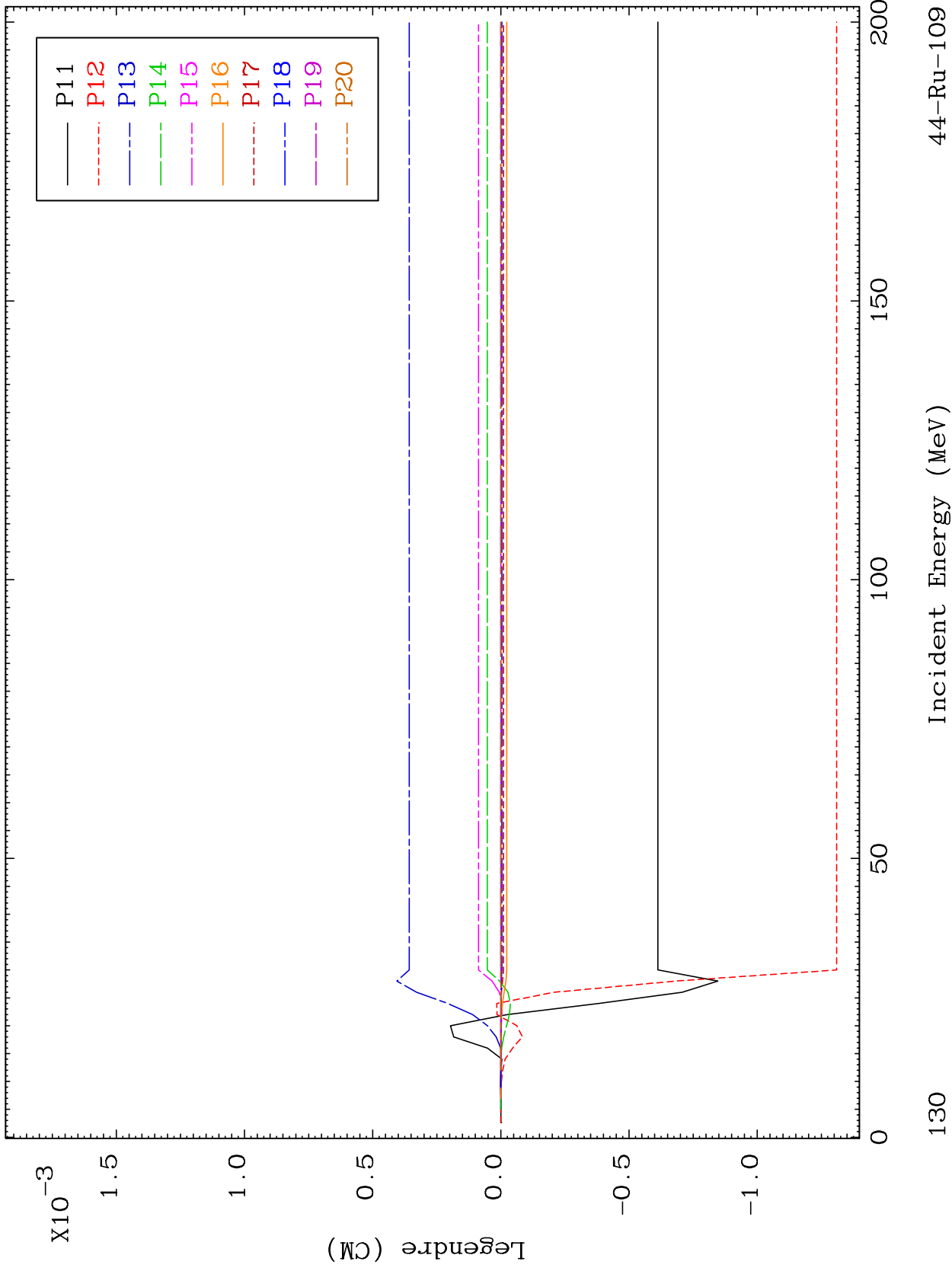
Incident Energy (MeV)

129

MAT 4464

1.910 MeV (n,n') Level
Legendre Coefficients

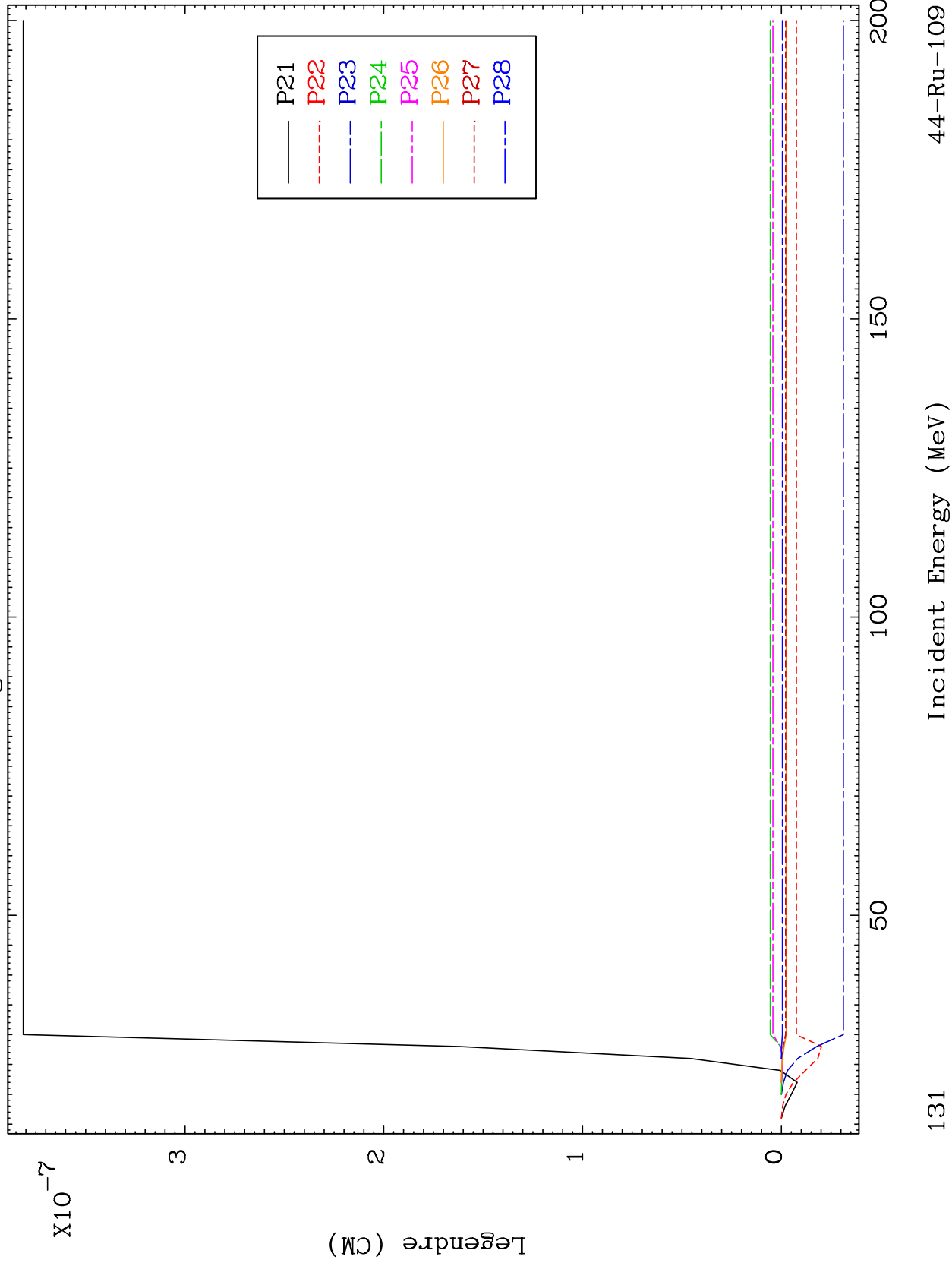
44-Ru-109

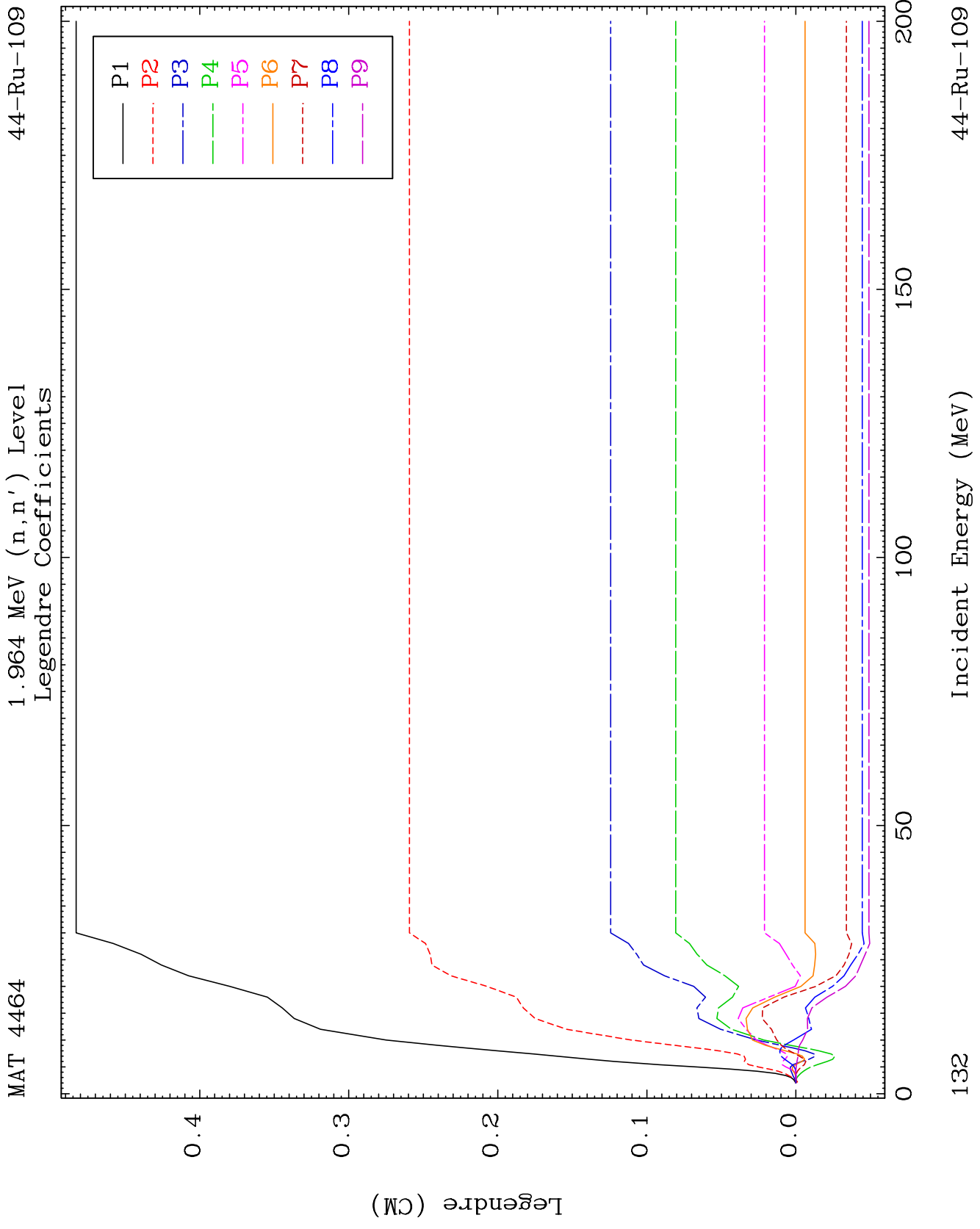


MAT 4464

1.910 MeV (n,n') Level
Legendre Coefficients

44-Ru-109

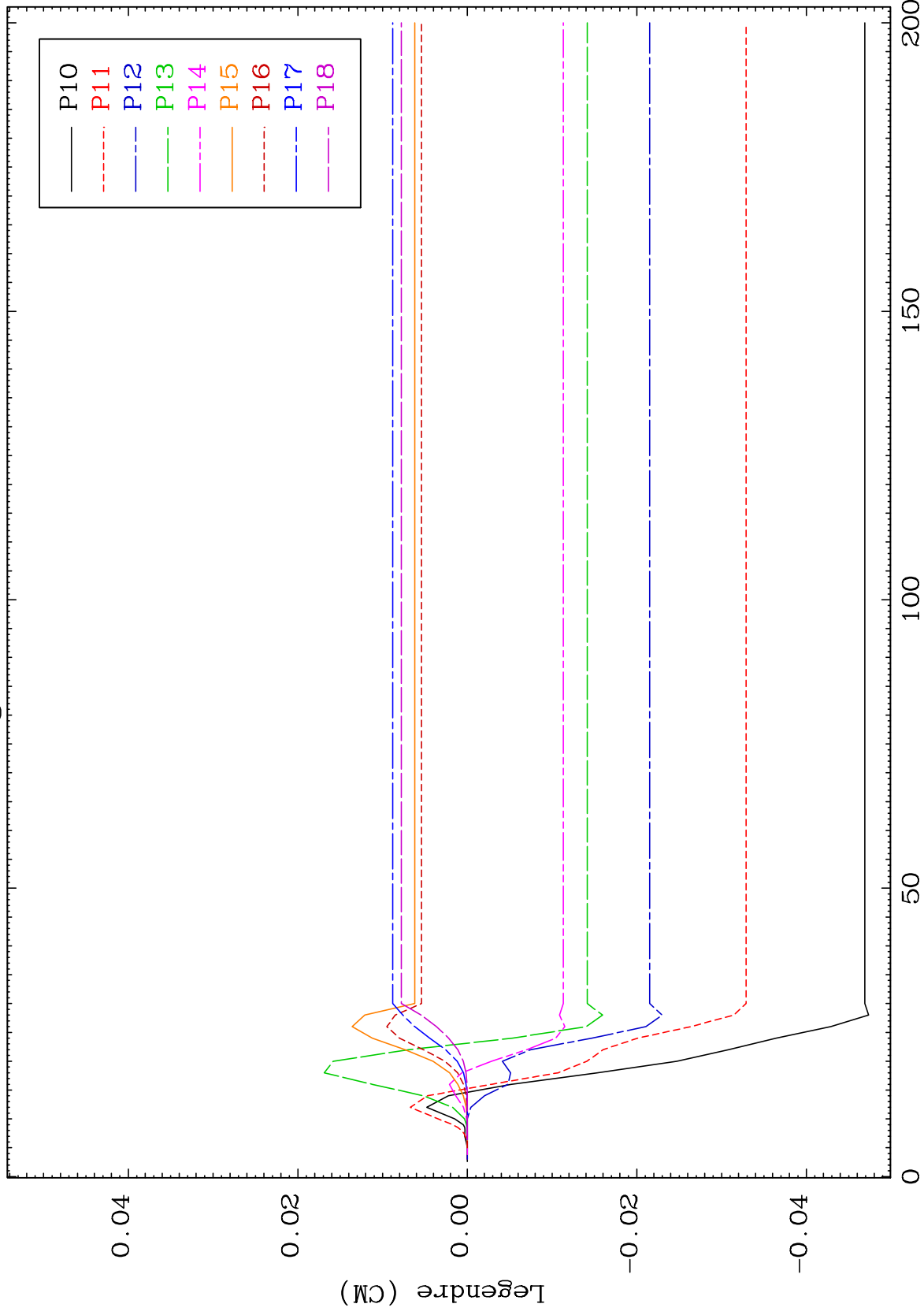




MAT 4464

1.964 MeV (n,n') Level
Legendre Coefficients

44-Ru-109



133

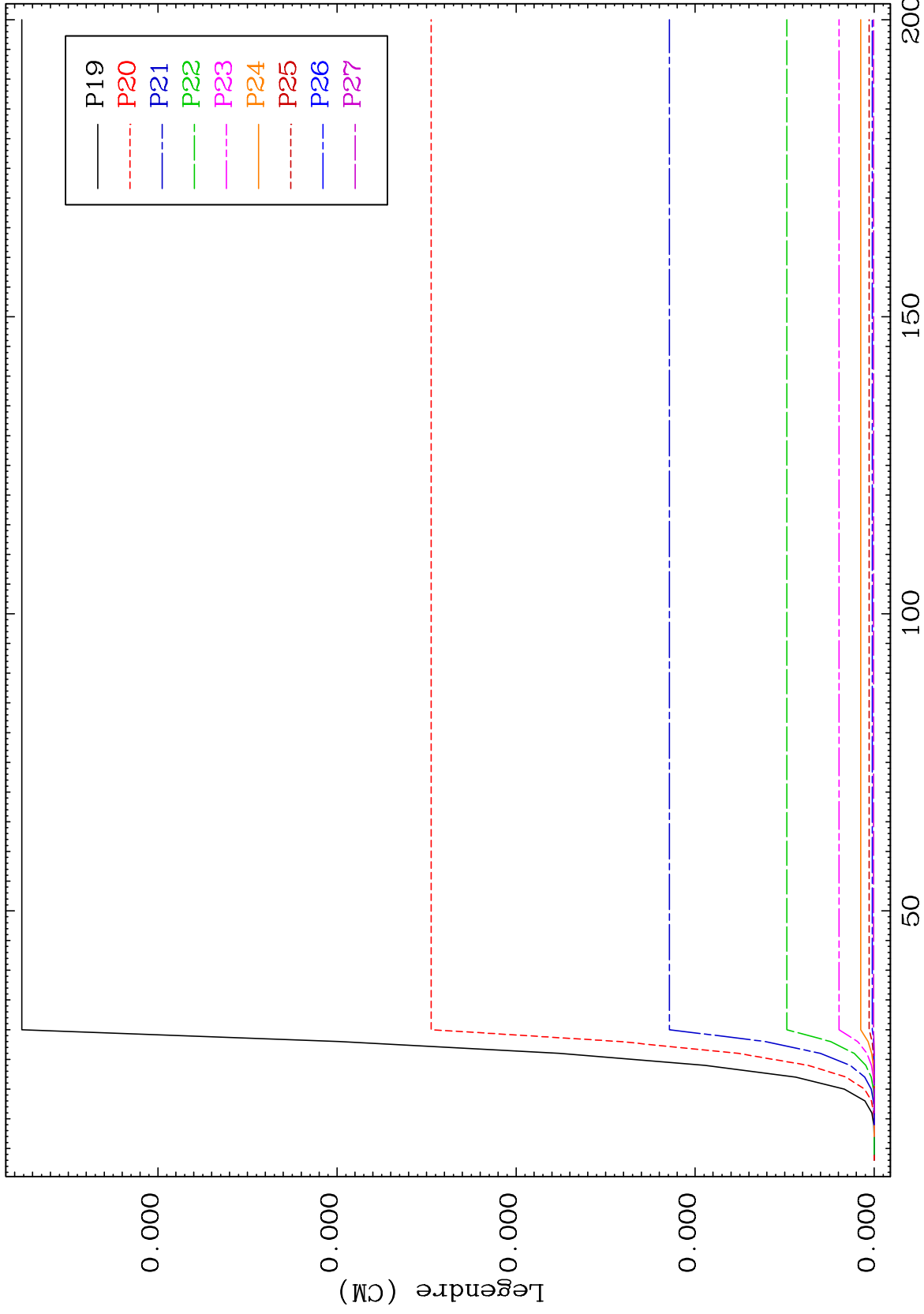
Incident Energy (MeV)

44-Ru-109

MAT 4464

1.964 MeV (n, n') Level
Legendre Coefficients

44-Ru-109



134

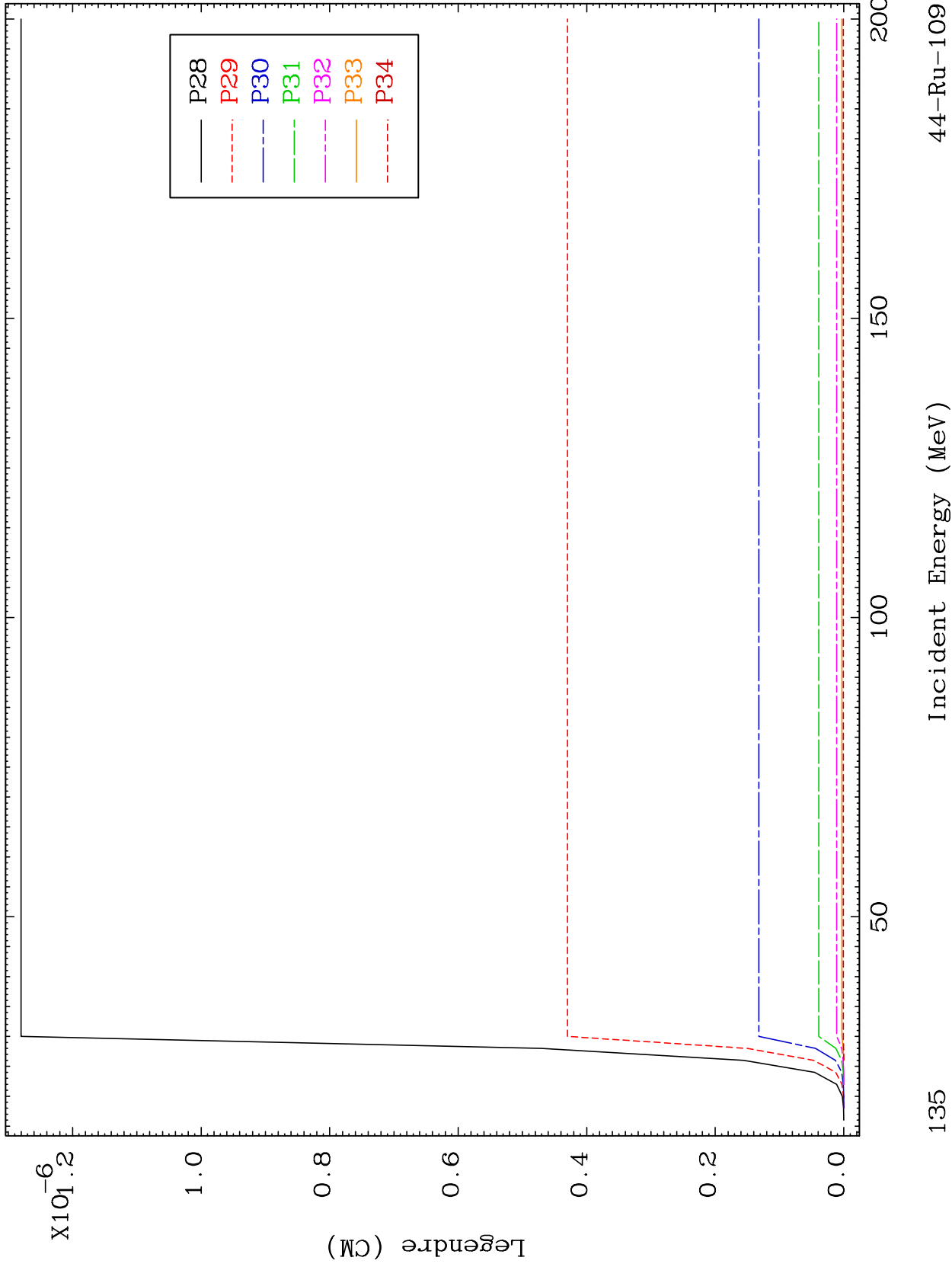
Incident Energy (MeV)

44-Ru-109

MAT 4464

1.964 MeV (n, n') Level
Legendre Coefficients

44-Ru-109



135