

Program EVALPLOT
(Version 2015-2)

by

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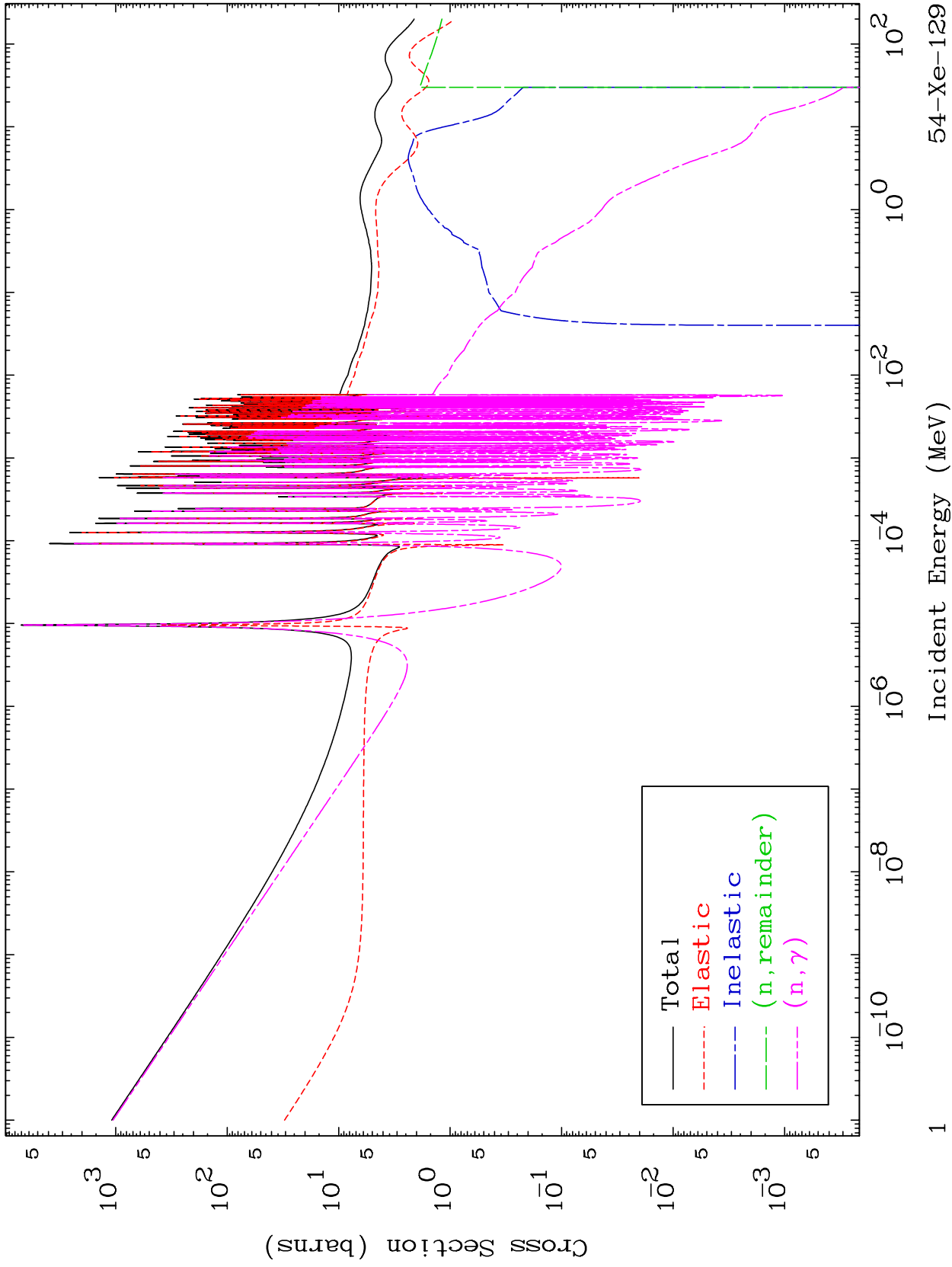
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5440

Major
293 Kelvin Cross Sections

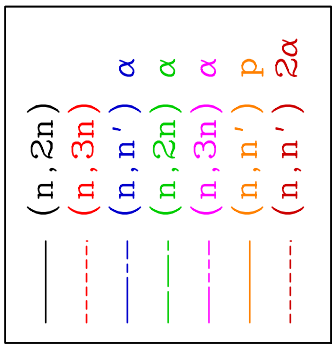
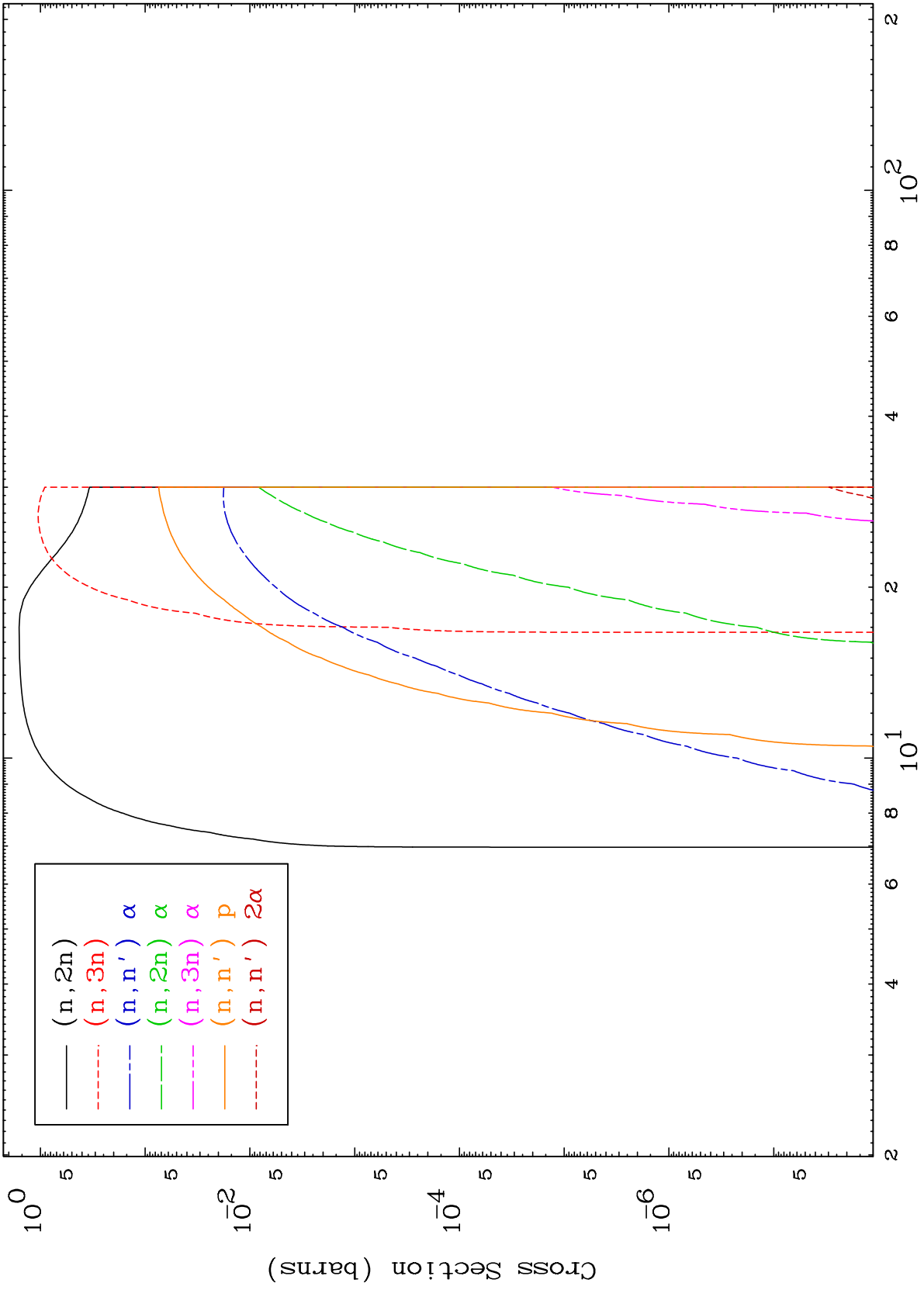
54-Xe-129



MAT 5440

Neutron Production
293 Kelvin Cross Sections

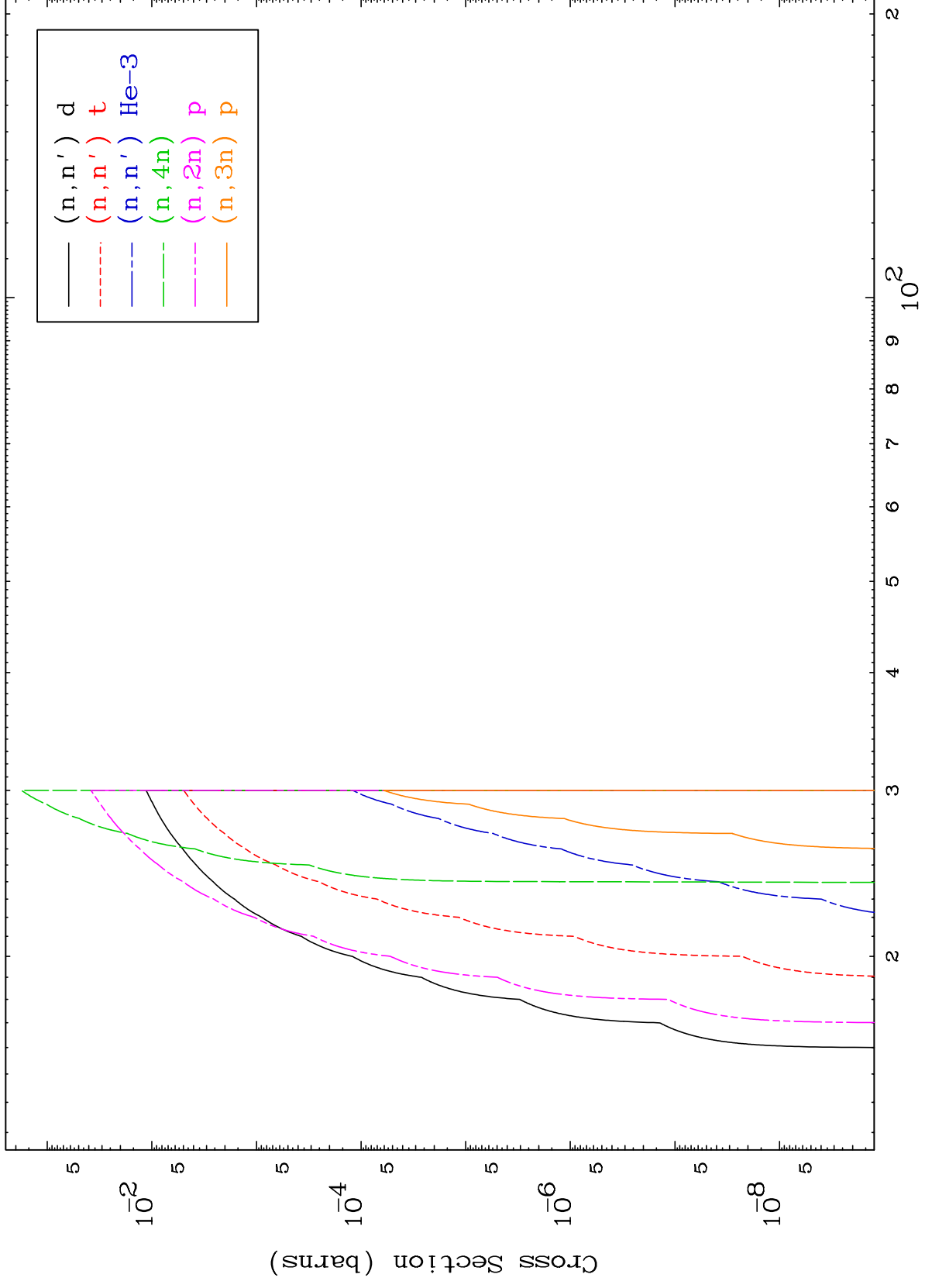
54-Xe-129

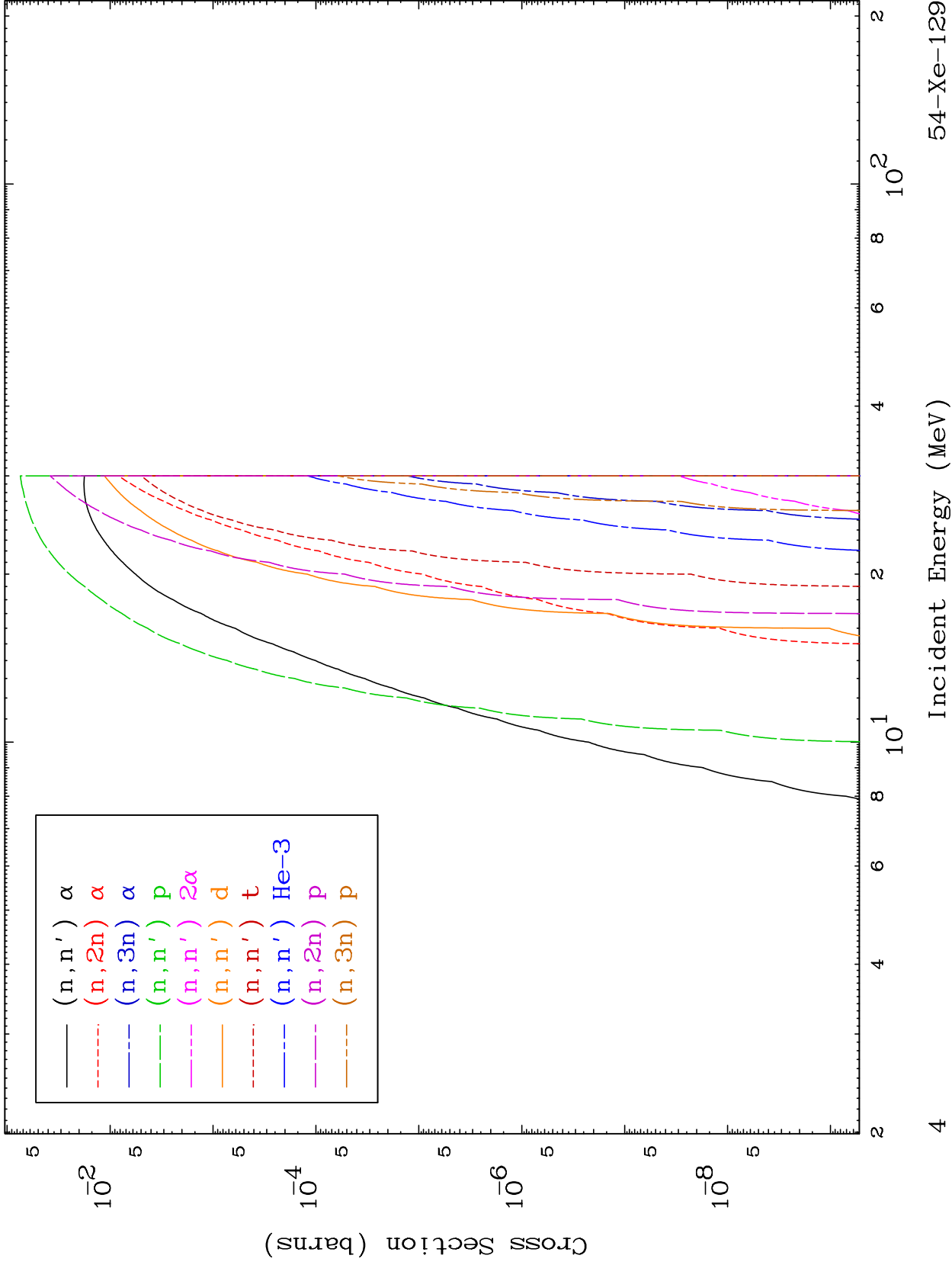


2

Incident Energy (MeV)

54-Xe-129

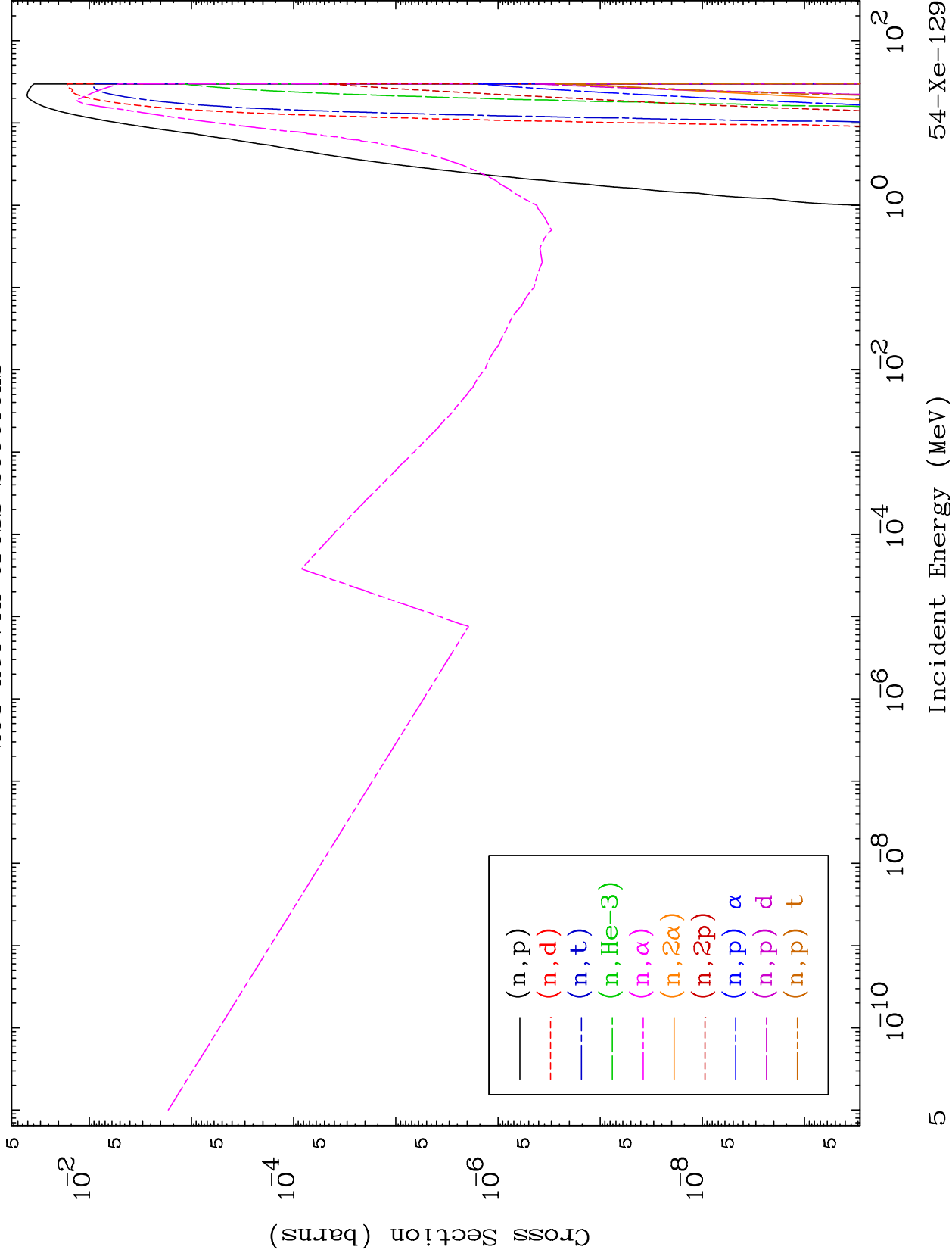


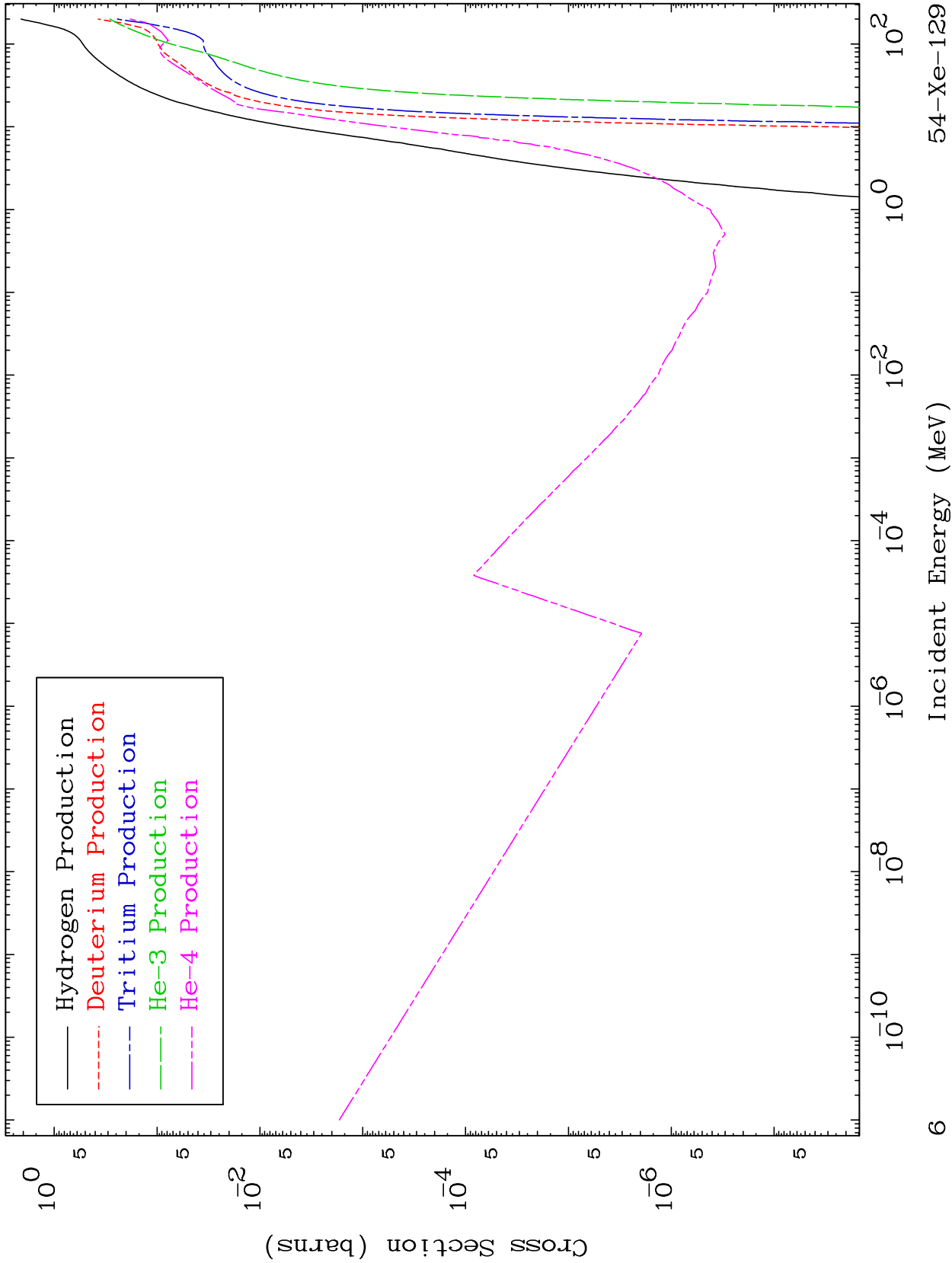


MAT 5440

Charged Particle
293 Kelvin Cross Sections

54-Xe-129

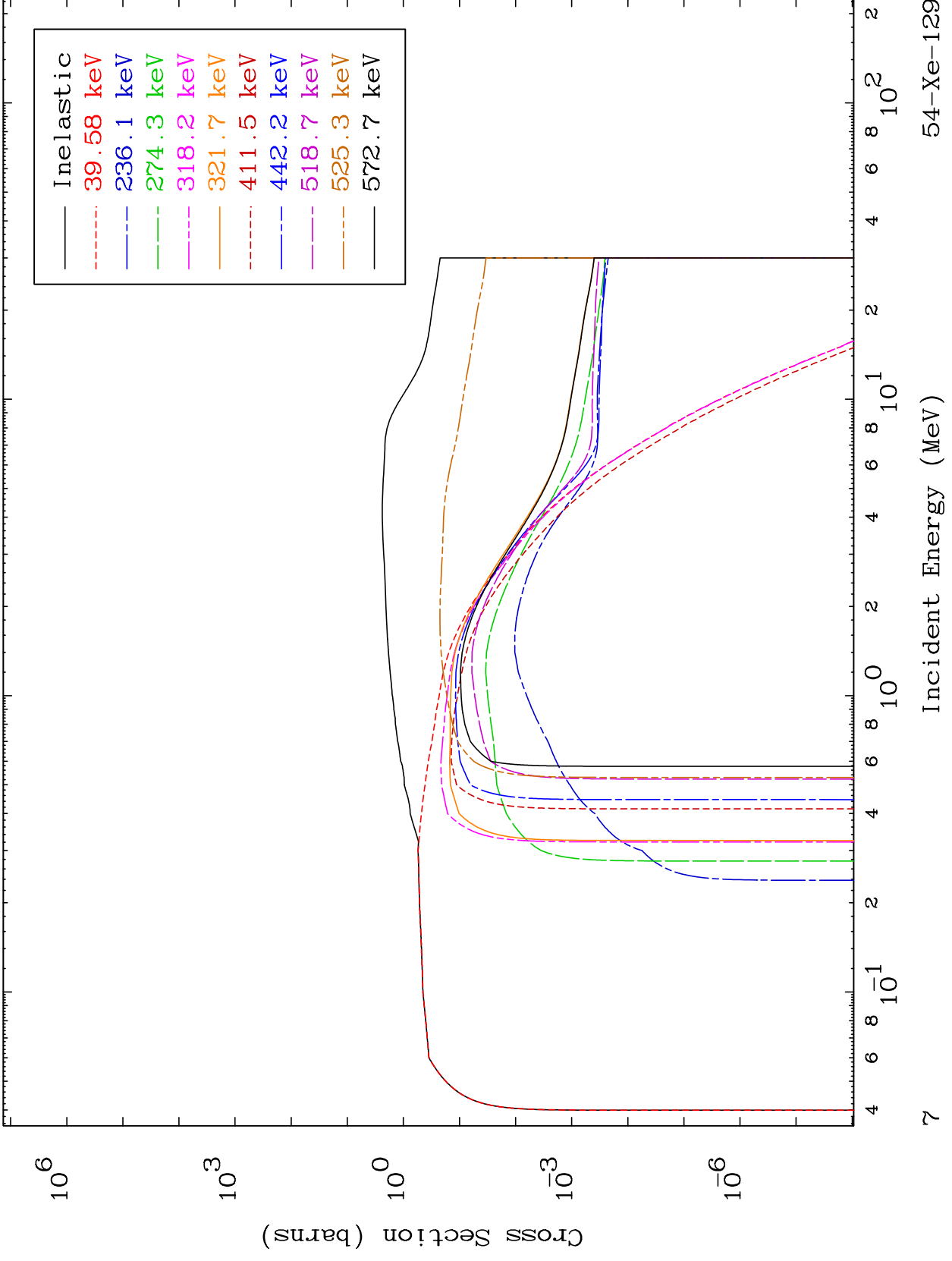




MAT 5440

(n,n') Level
293 Kelvin Cross Sections

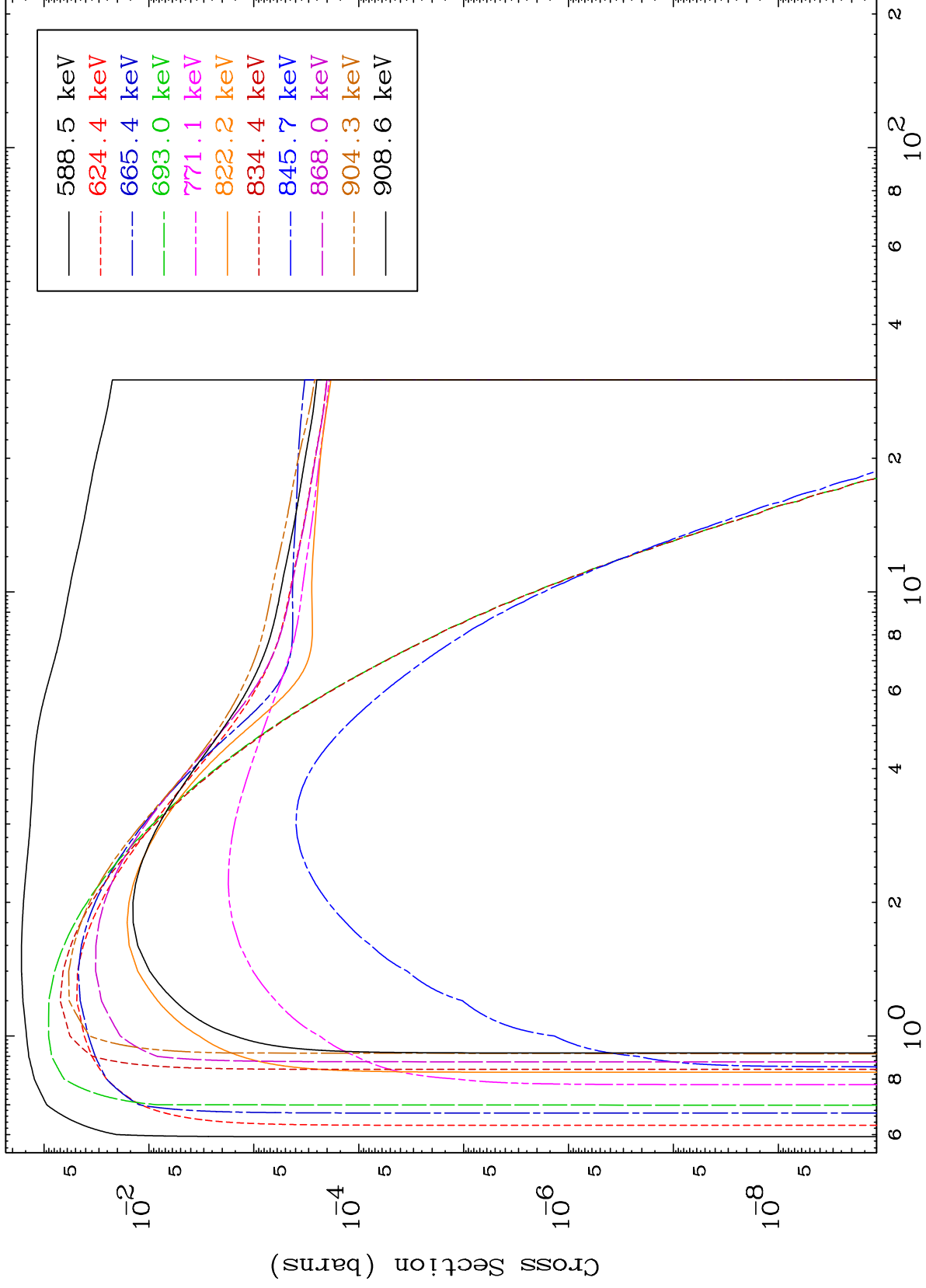
54-Xe-129



MAT 5440

(n,n') Level
293 Kelvin Cross Sections

54-Xe-129



8

Incident Energy (MeV)

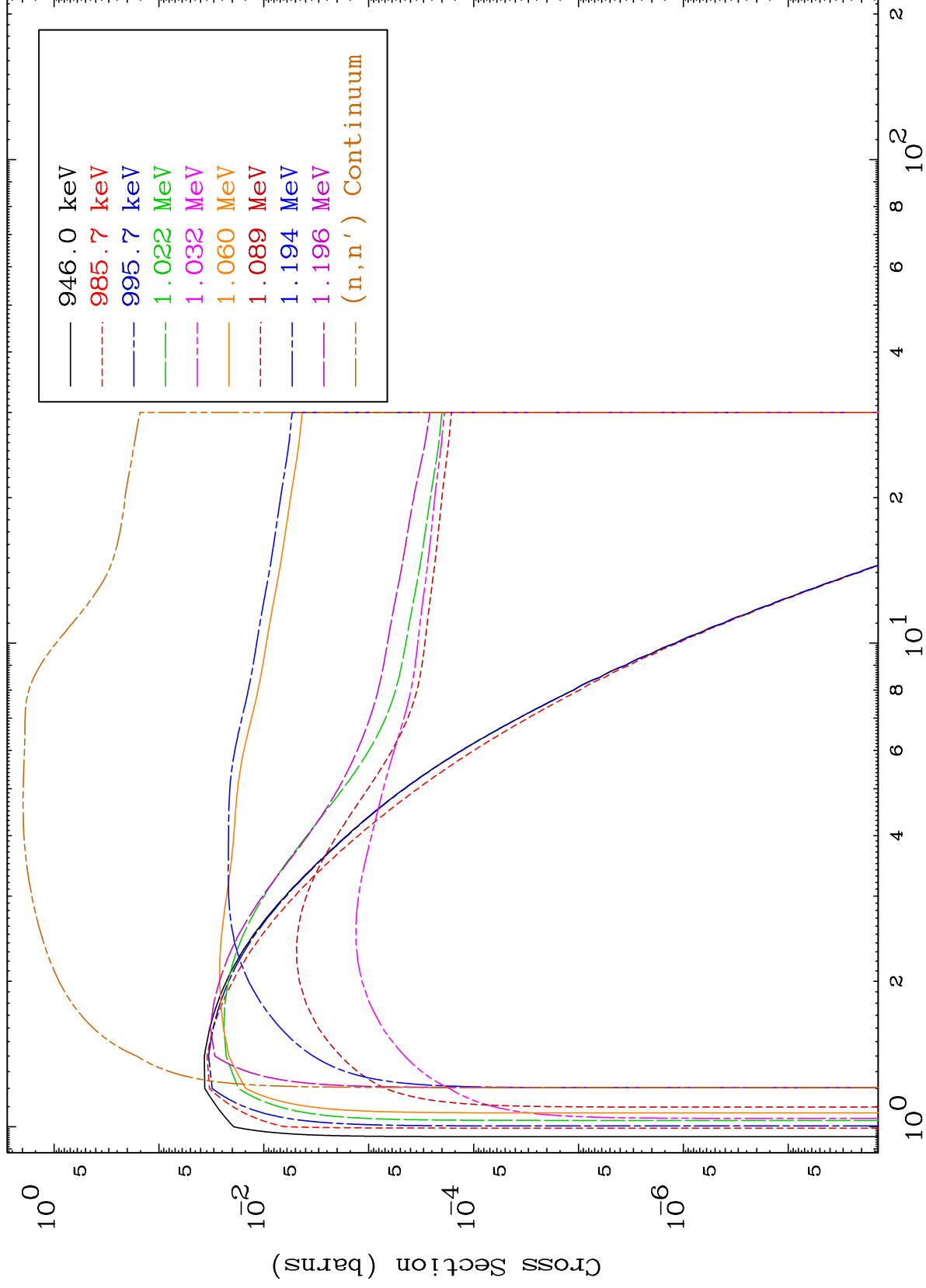
54-Xe-129

MAT 5440

(n,n') Level

54-Xe-129

293 Kelvin Cross Sections



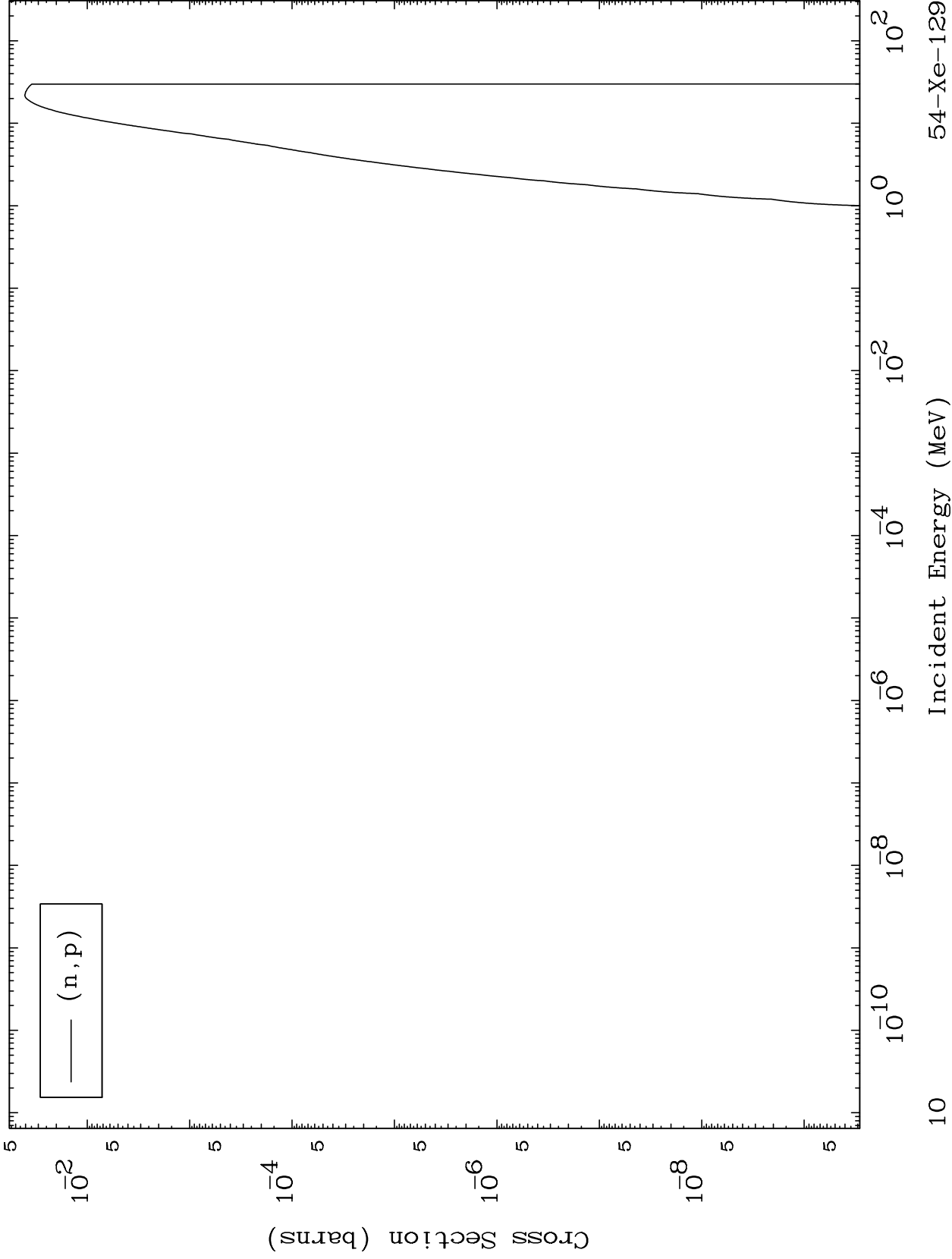
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-129



10

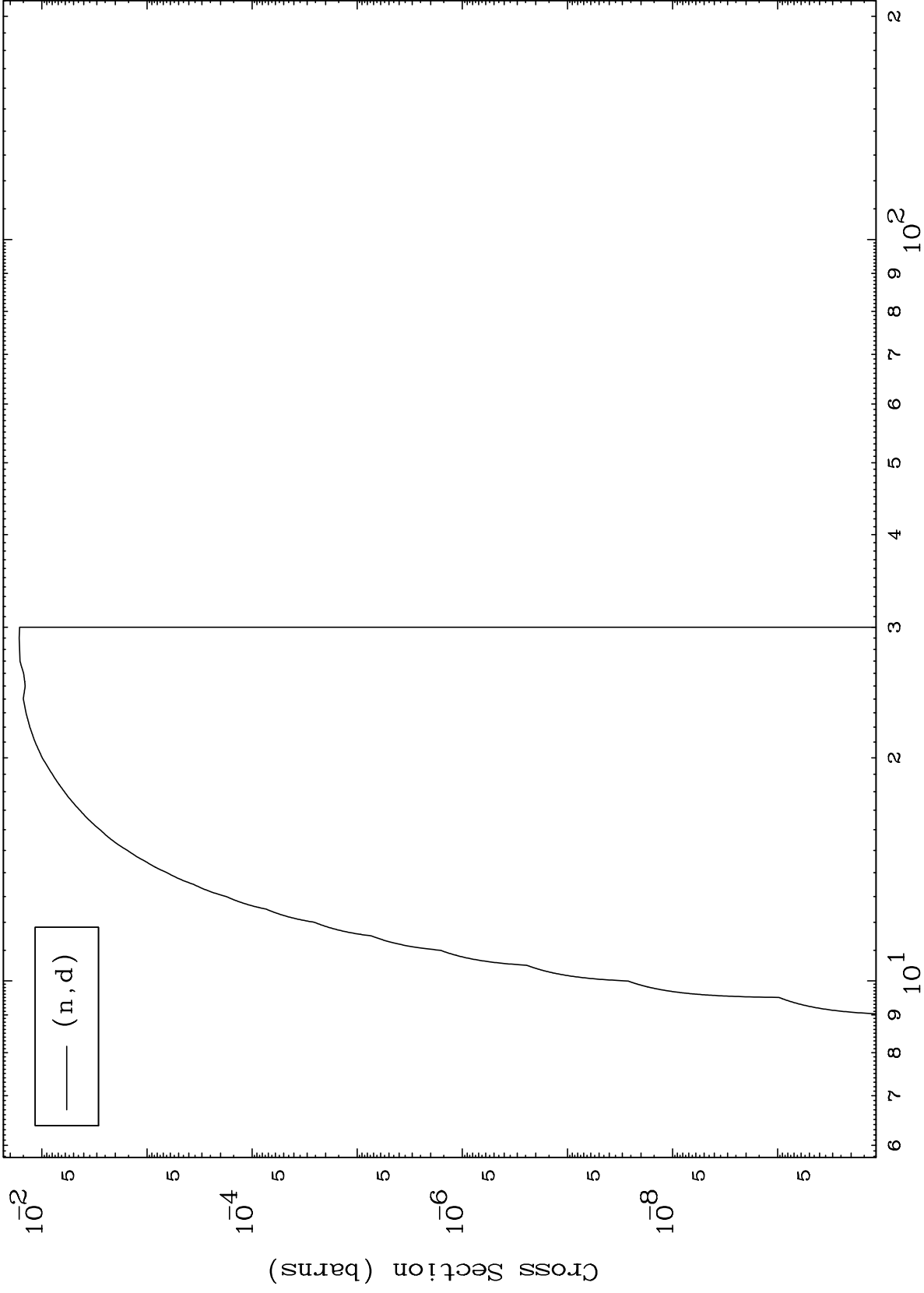
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-129



11

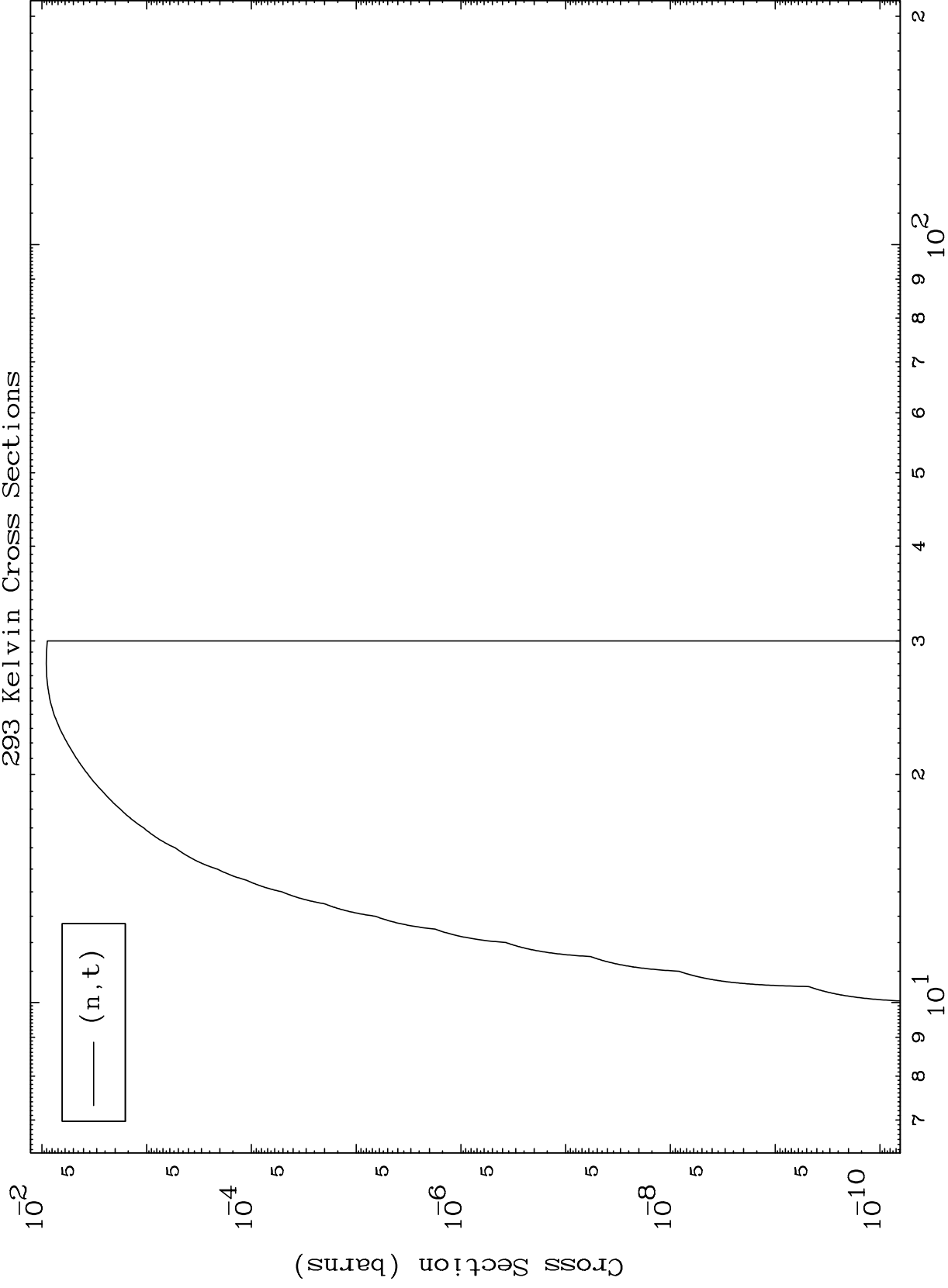
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-129



12

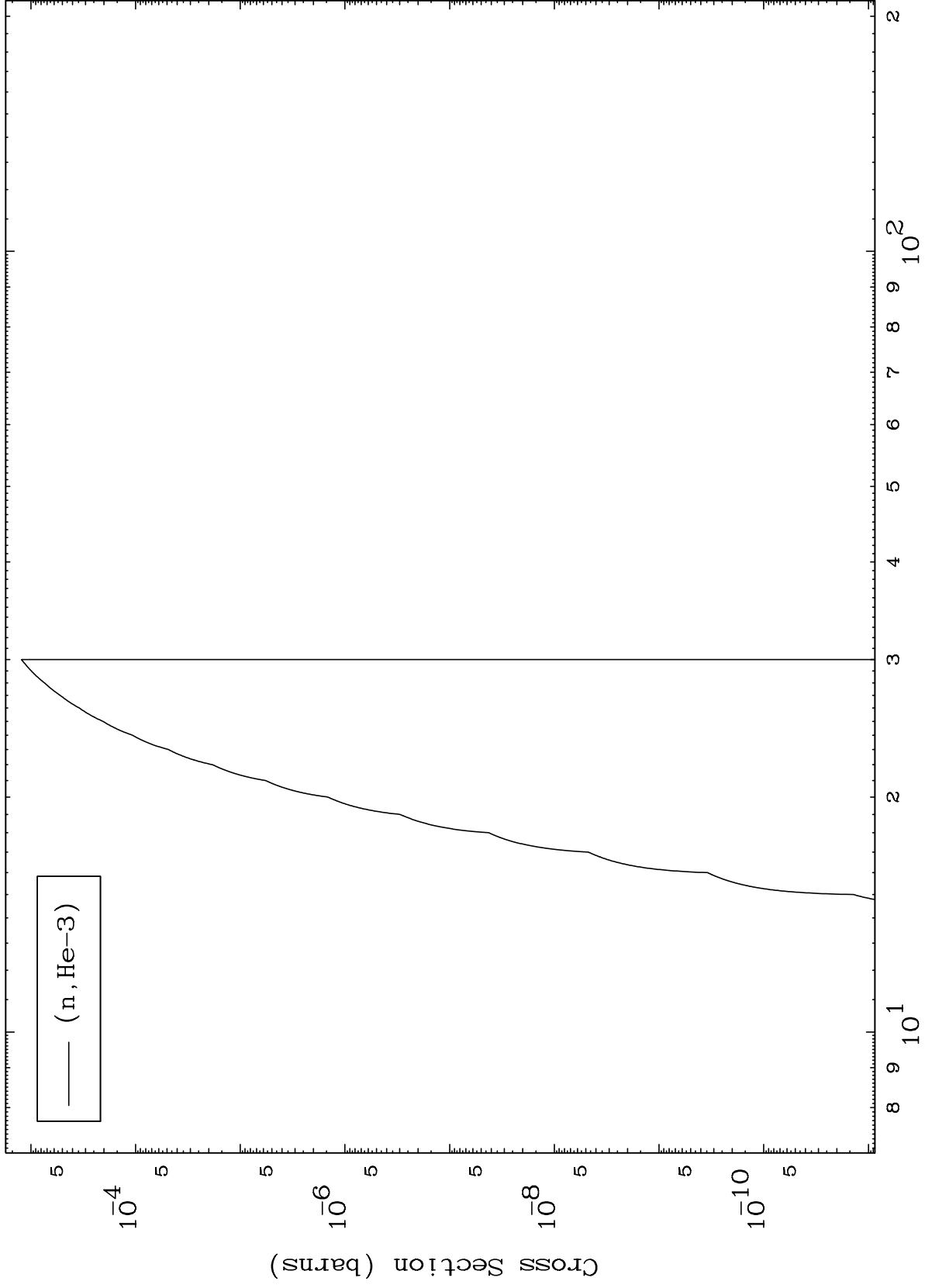
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-129



13

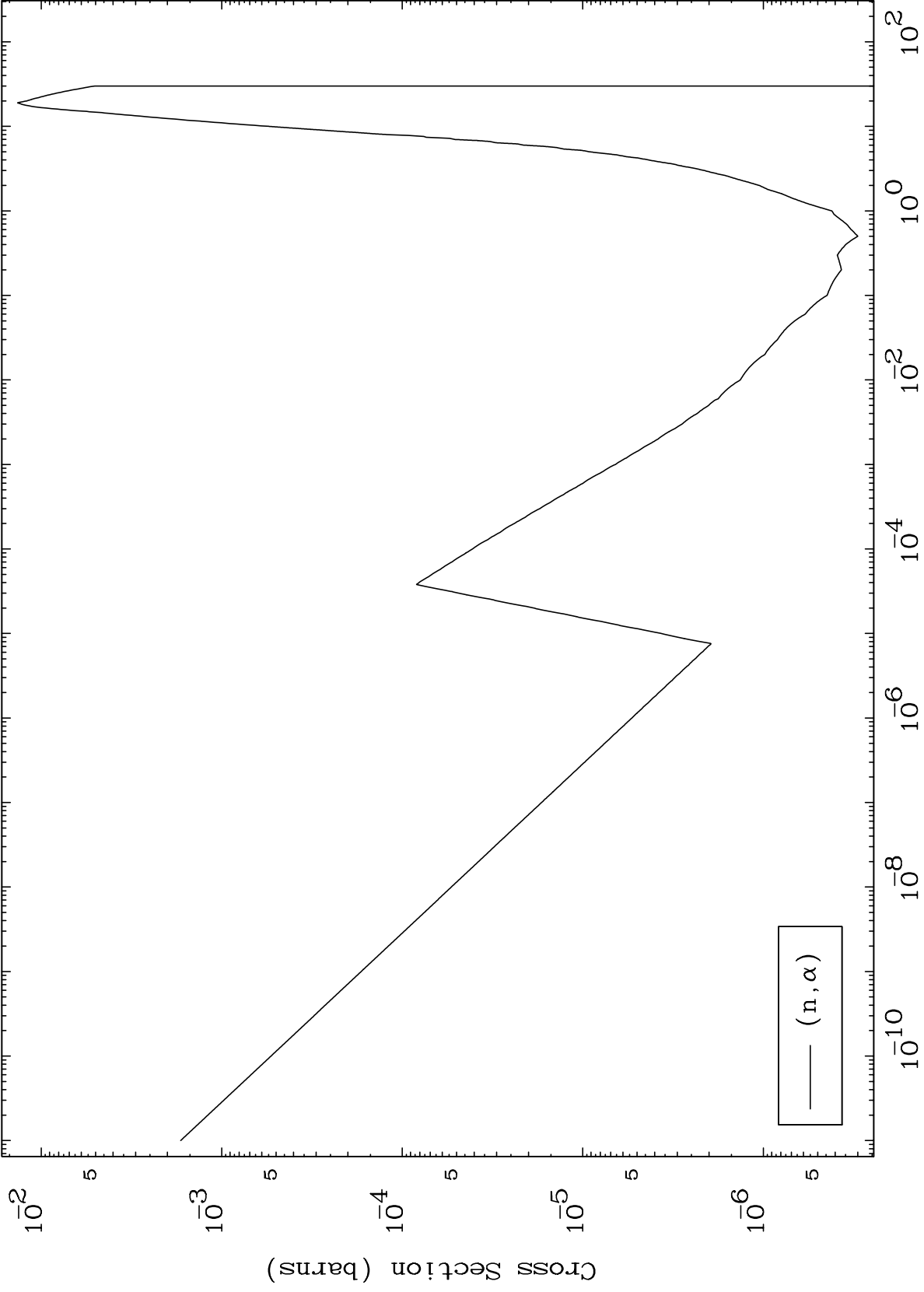
Incident Energy (MeV)

54-Xe-129

MAT 5440

(n, α) Levels
293 Kelvin Cross Sections

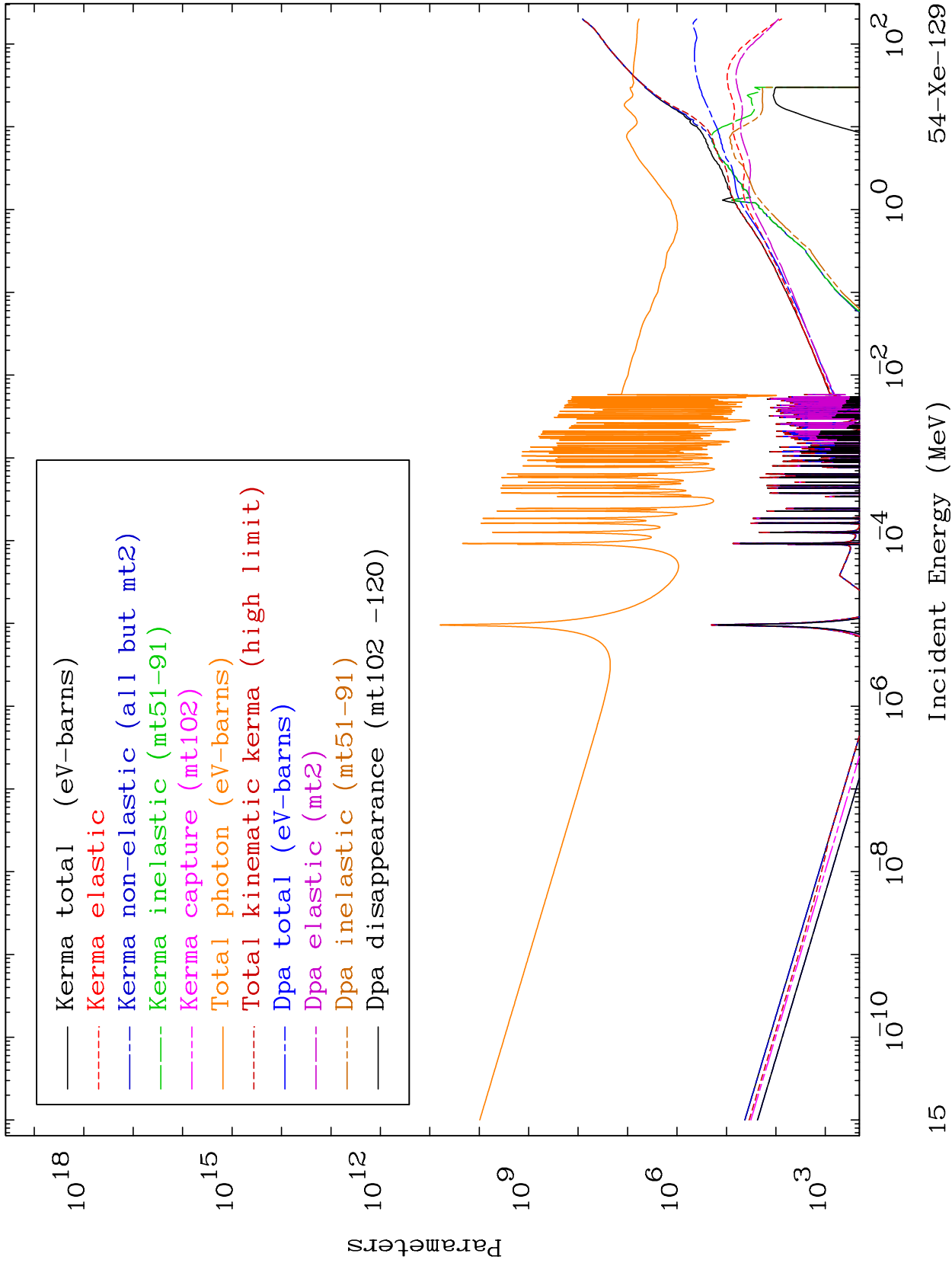
54-Xe-129



14

Incident Energy (MeV)

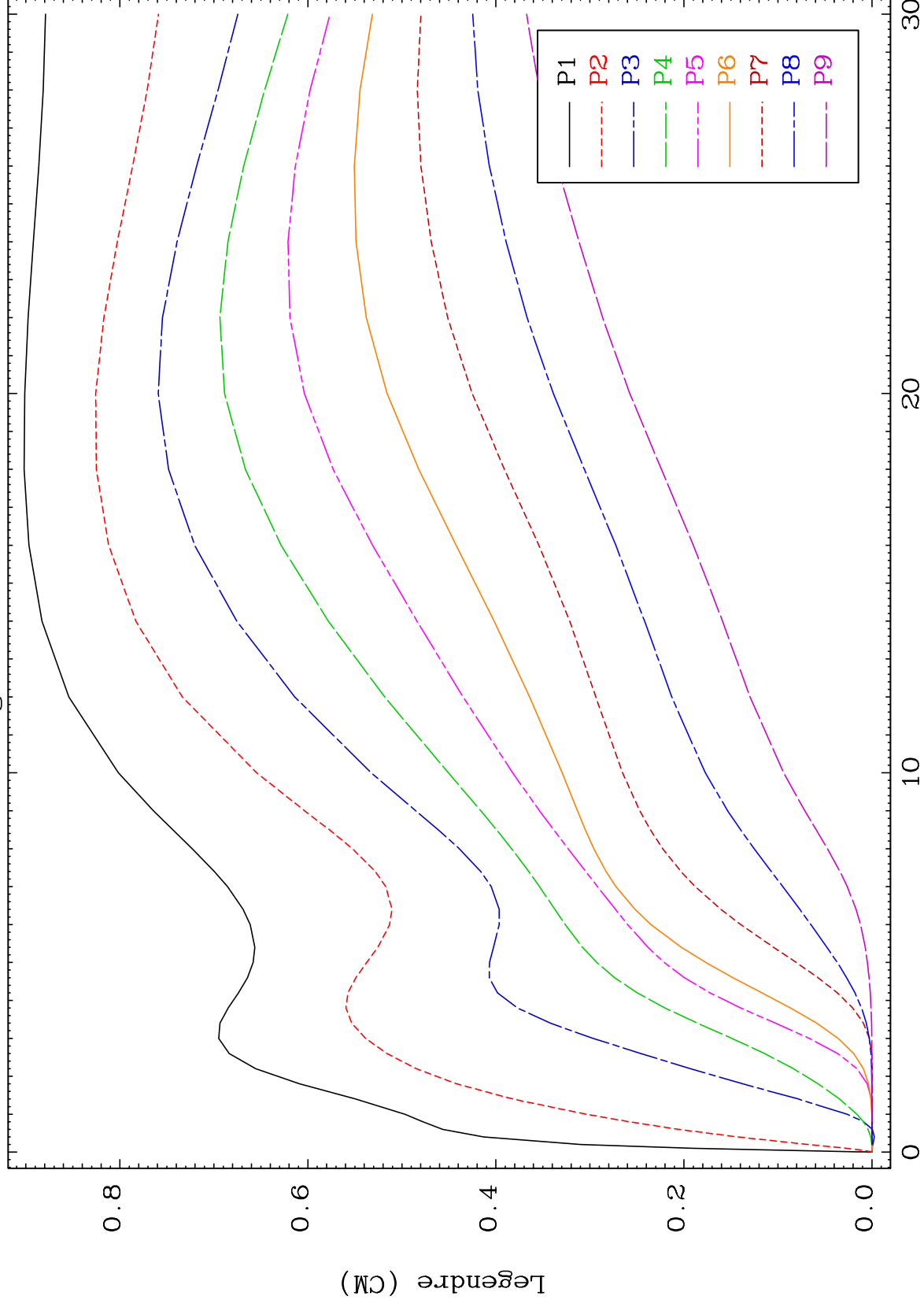
54-Xe-129



MAT 5440

Elastic Legendre Coefficients

54-Xe-129



16

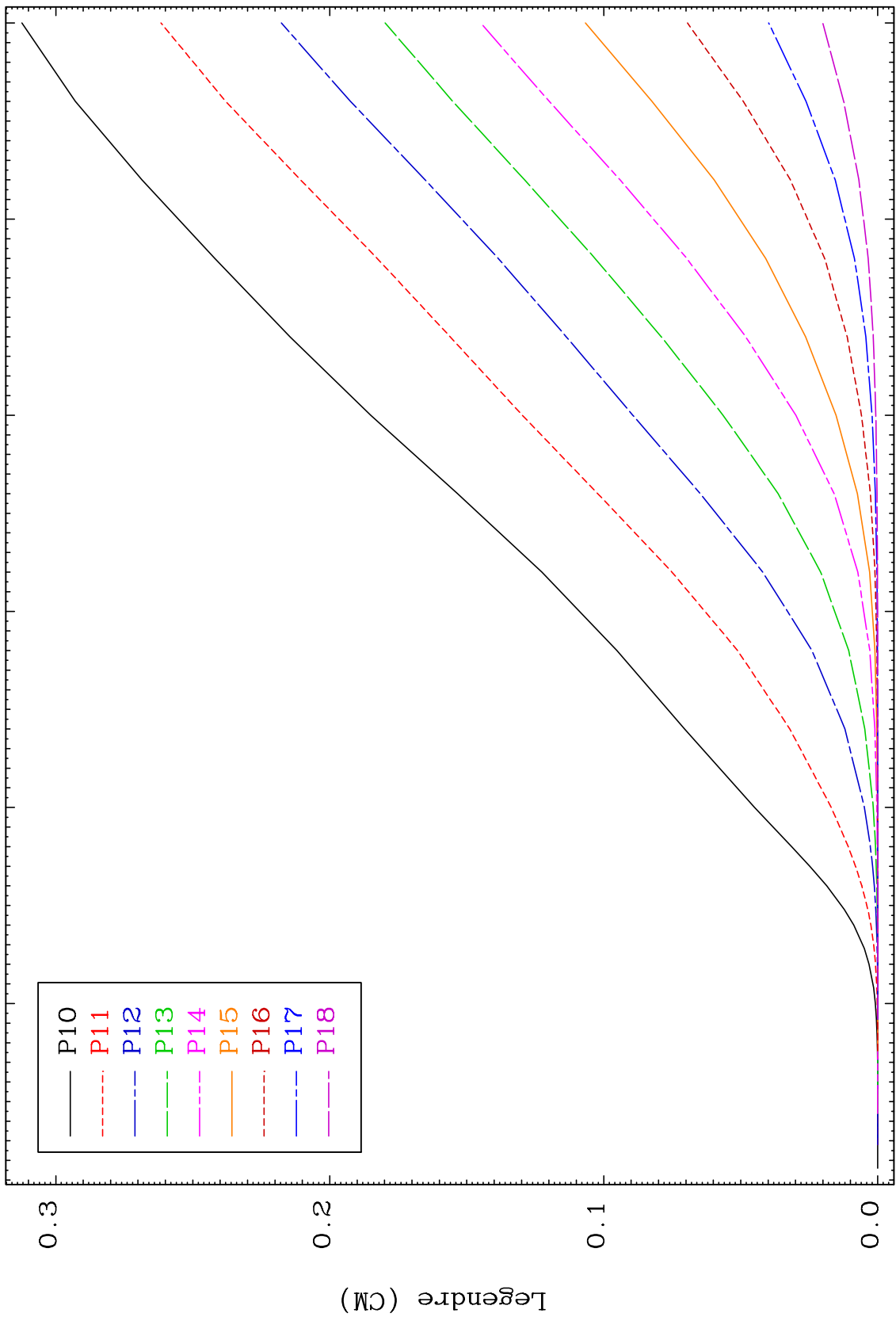
Incident Energy (MeV)

54-Xe-129

MAT 5440

Elastic Legendre Coefficients

54-Xe-129



17

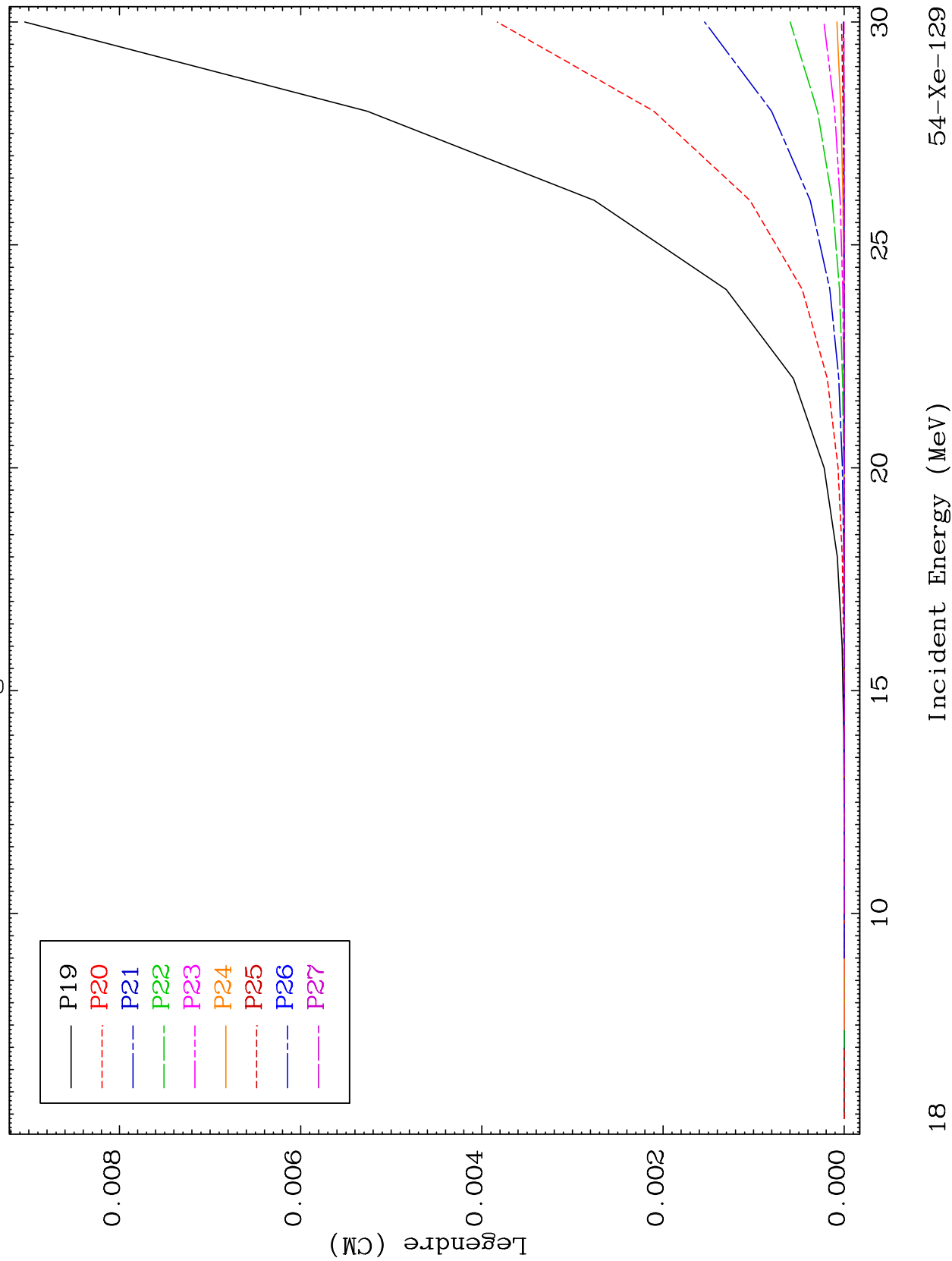
Incident Energy (MeV)

54-Xe-129

MAT 5440

Elastic Legendre Coefficients

54-Xe-129



18

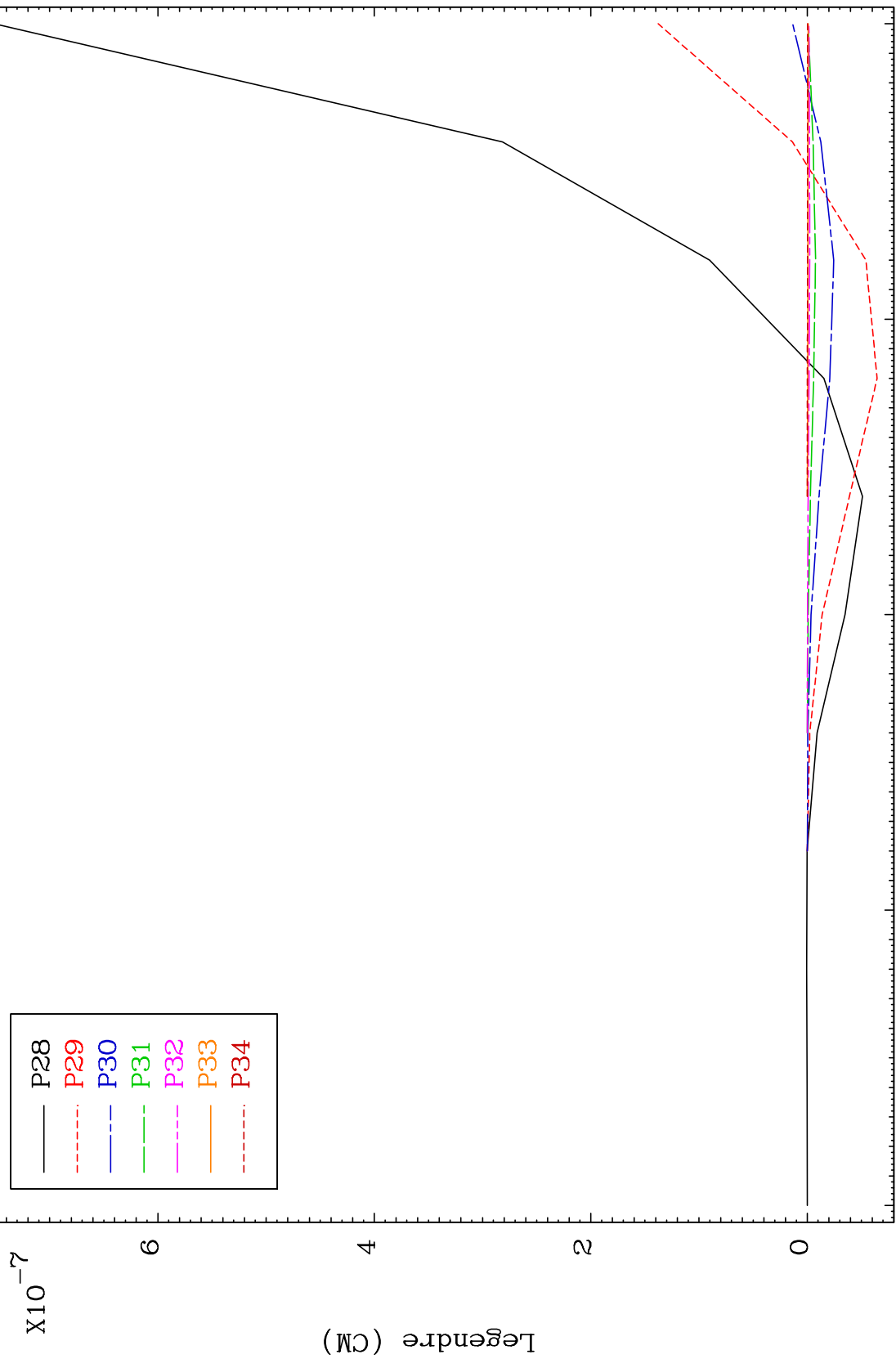
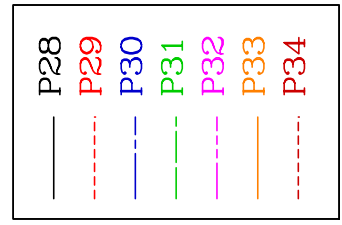
Incident Energy (MeV)

54-Xe-129

MAT 5440

Elastic Legendre Coefficients

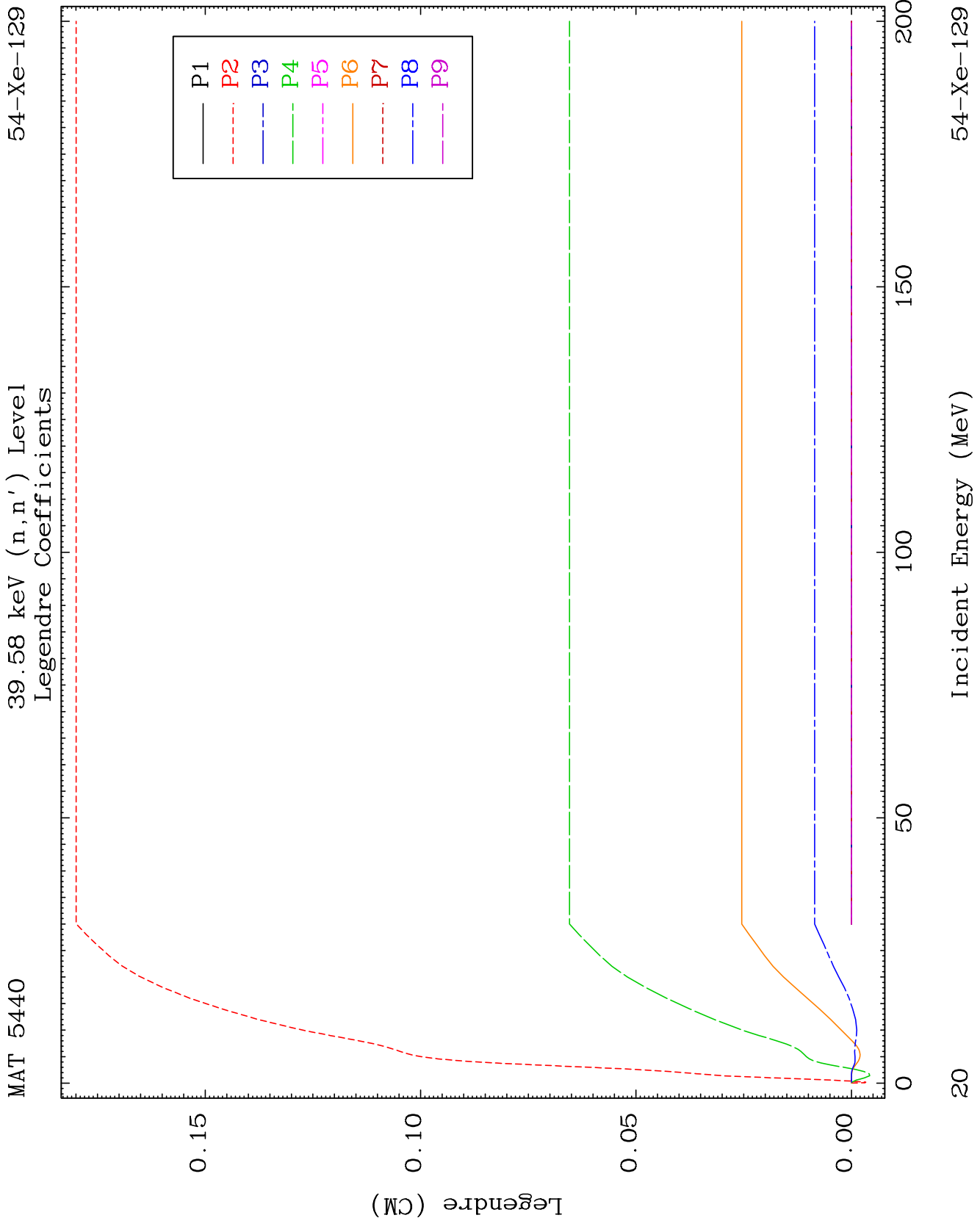
54-Xe-129

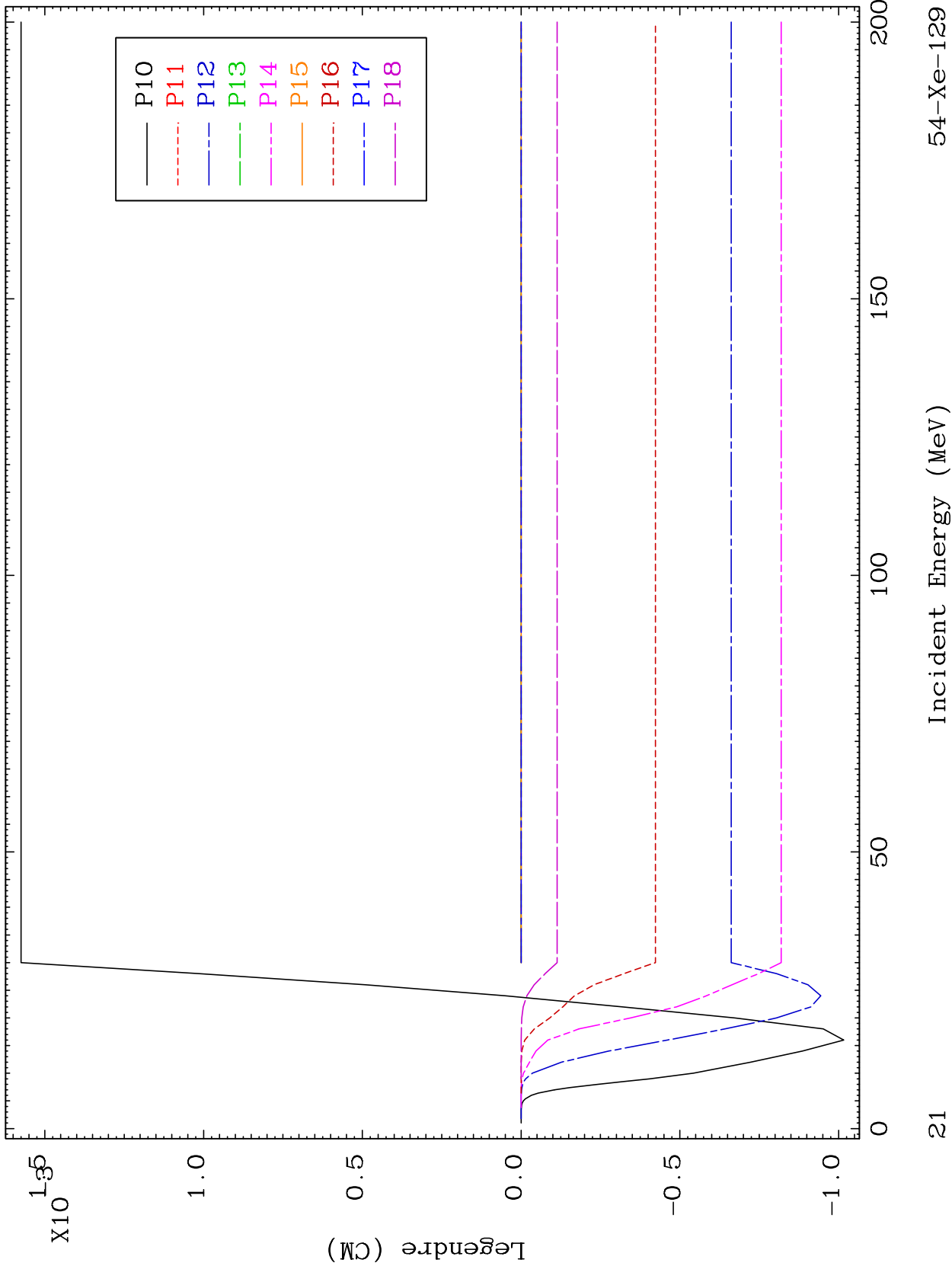


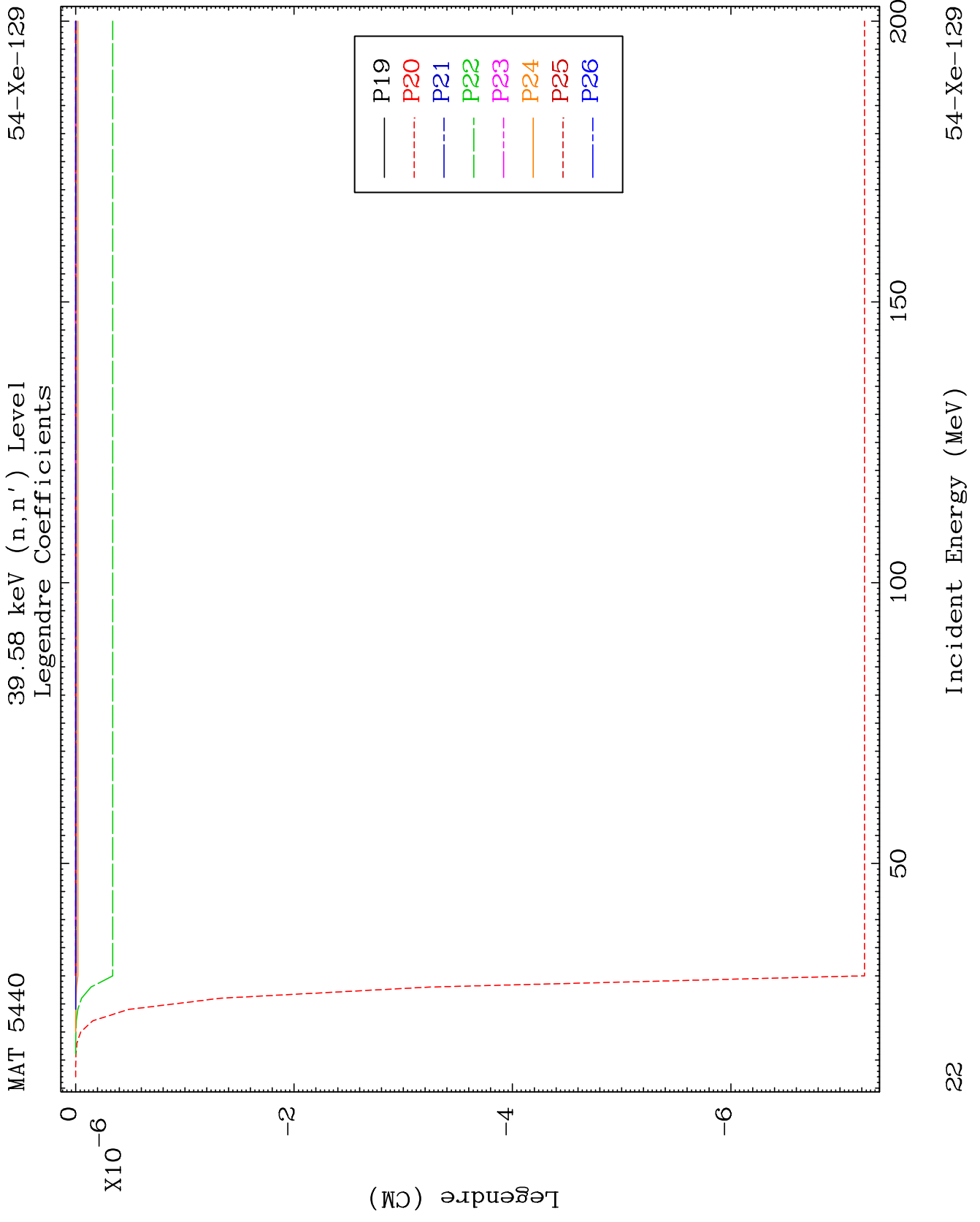
19

Incident Energy (MeV)

54-Xe-129



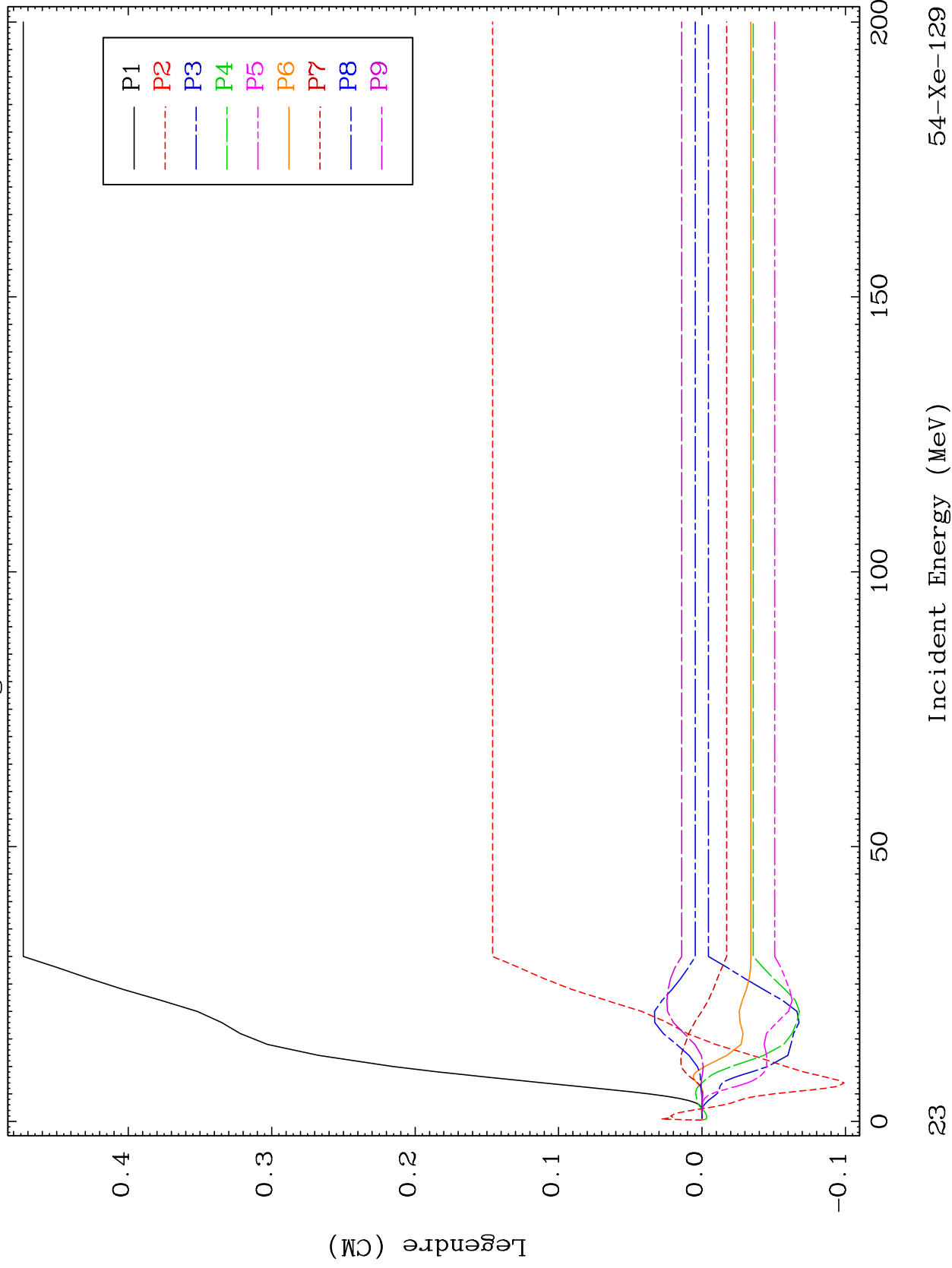




MAT 5440

236.1 keV (n,n') Level
Legendre Coefficients

54-Xe-129

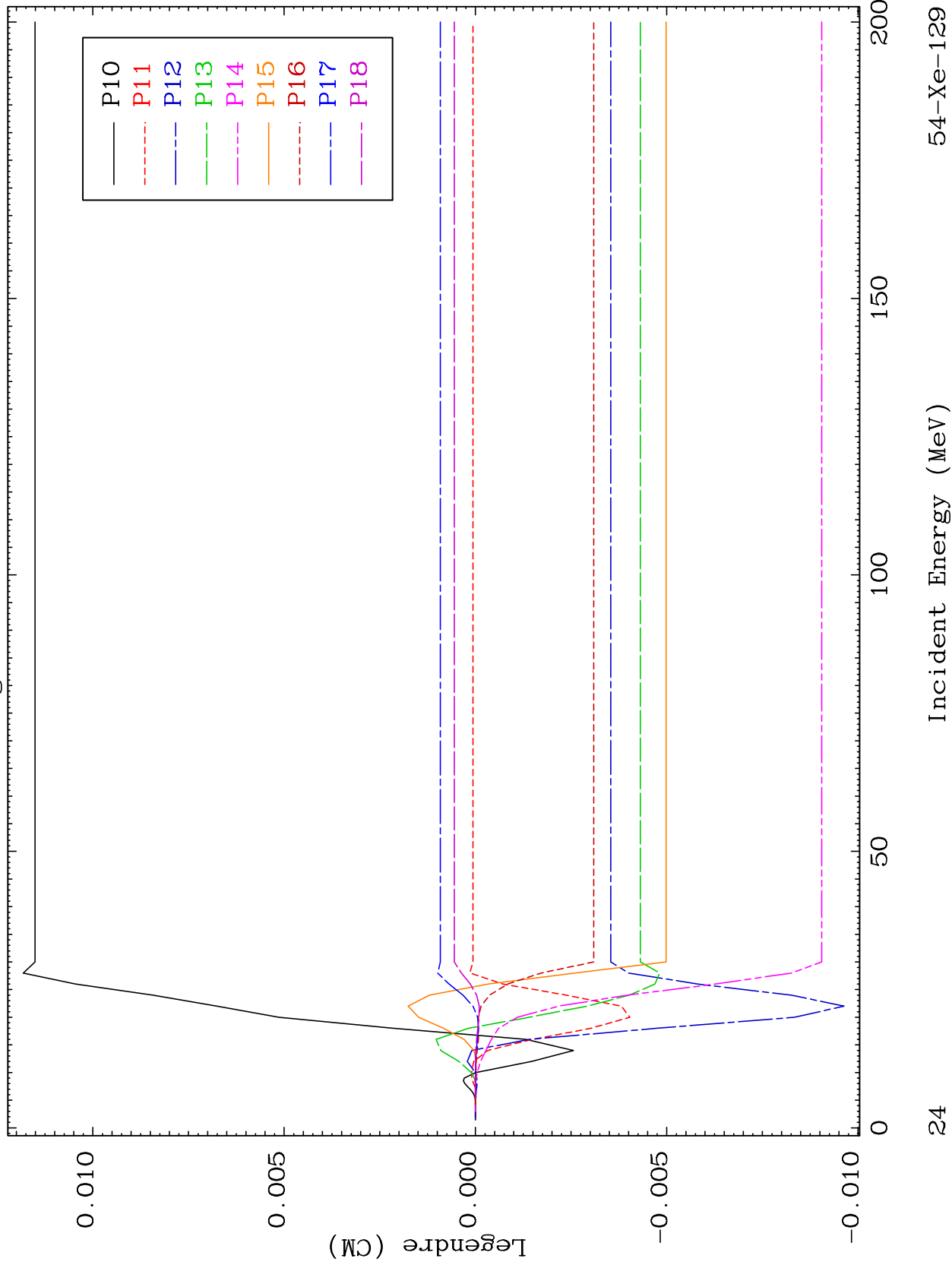


23

MAT 5440

236.1 keV (n,n') Level
Legendre Coefficients

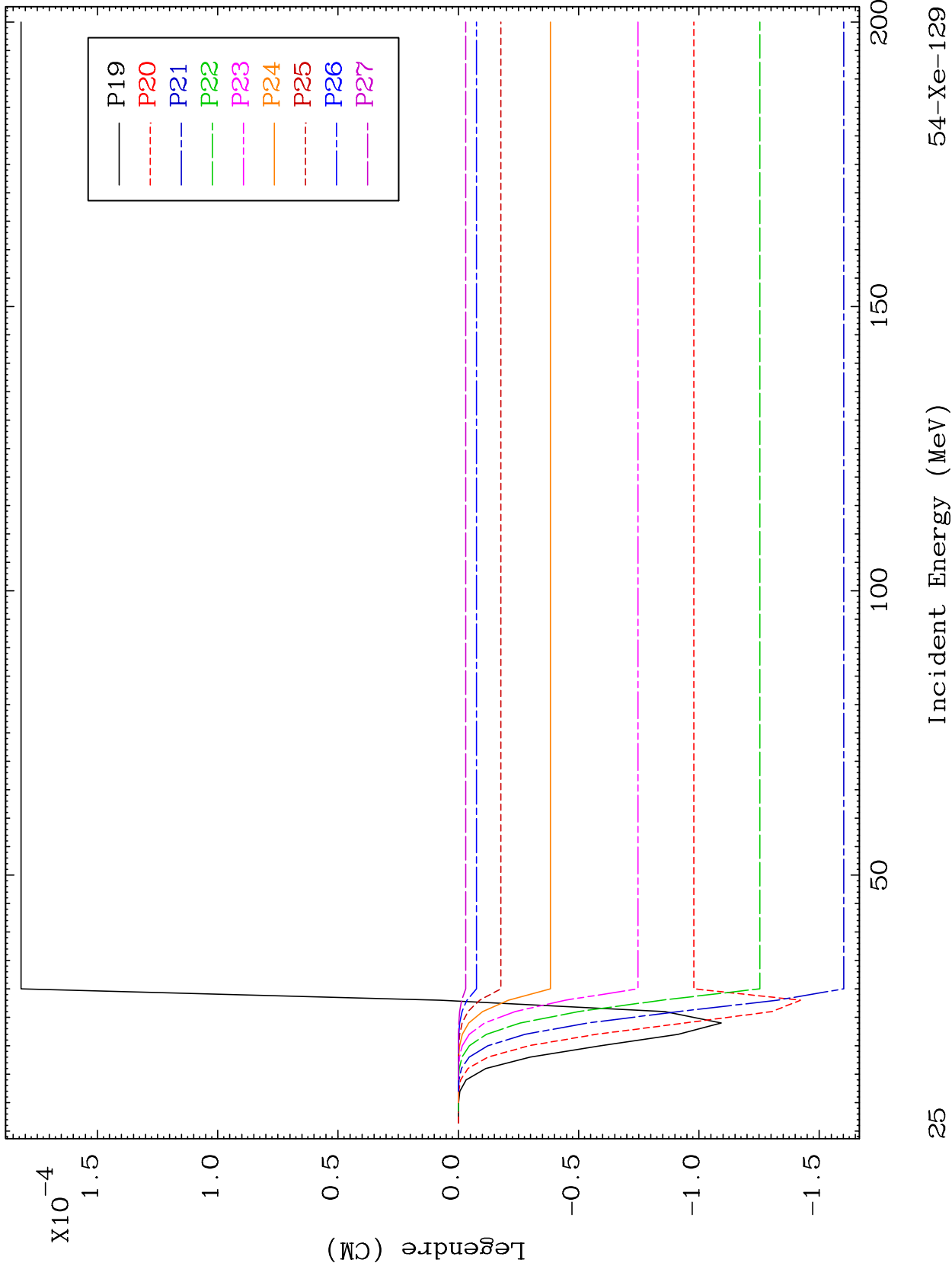
54-Xe-129

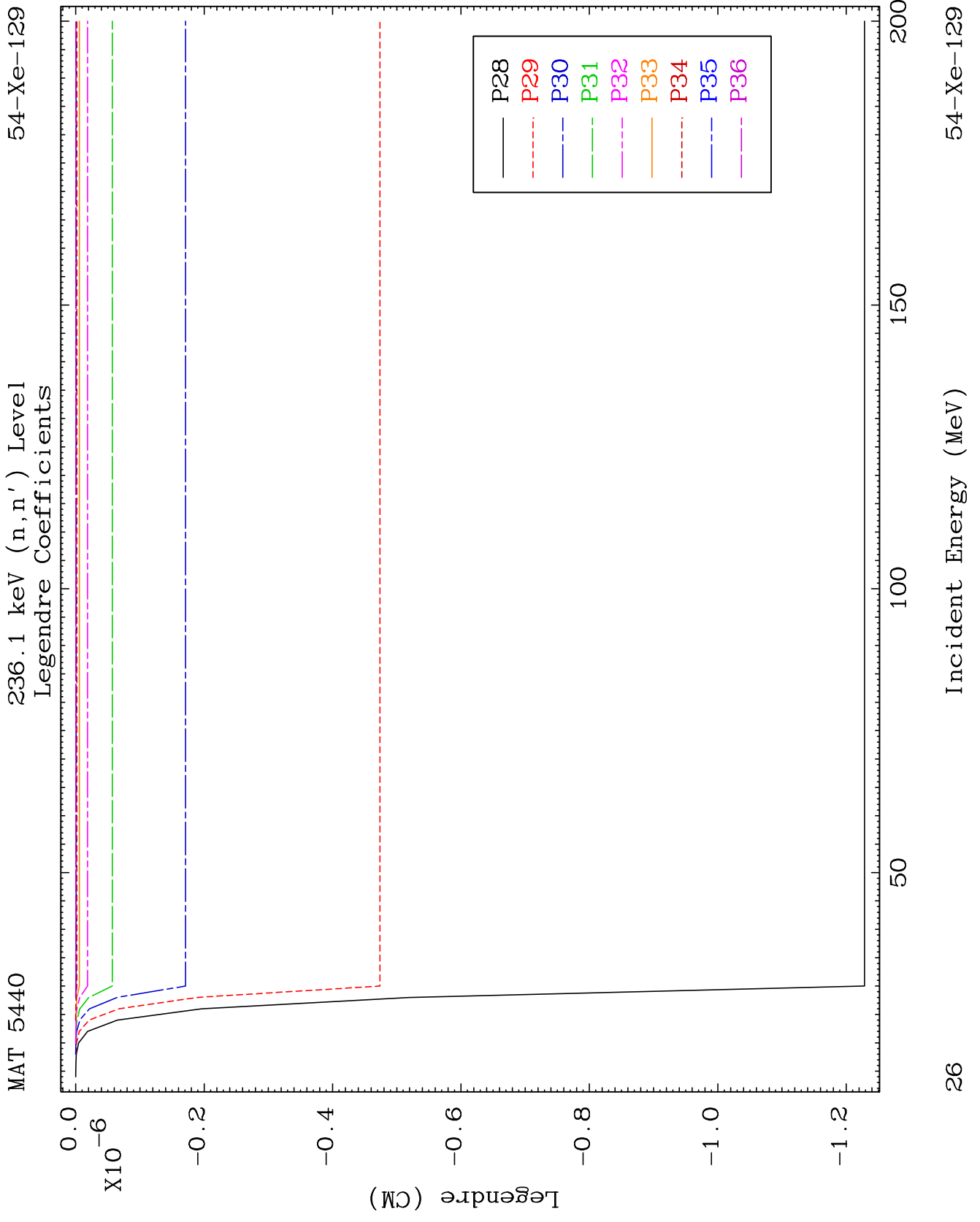


24

Incident Energy (MeV)

54-Xe-129

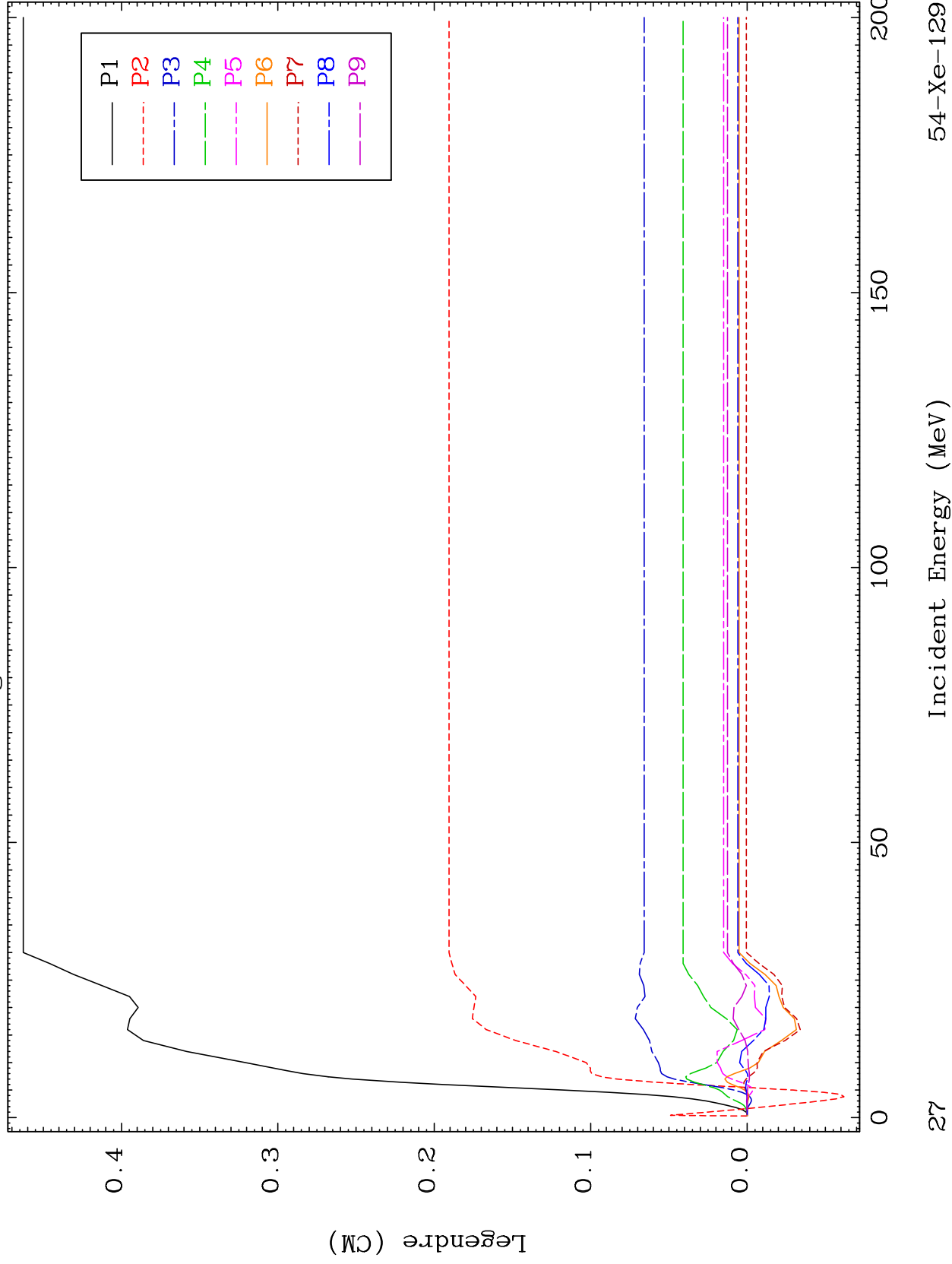




MAT 5440

274.3 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

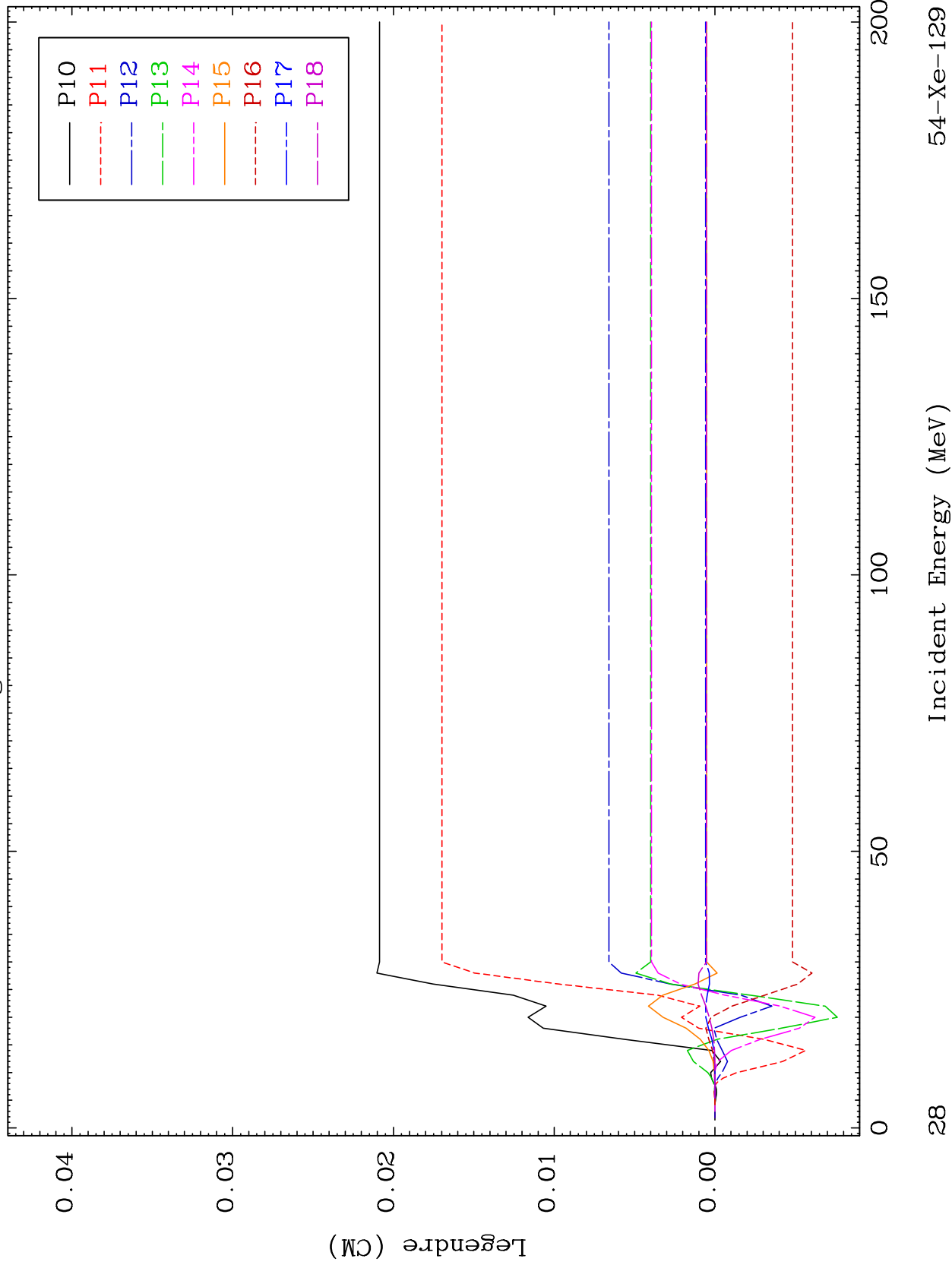
Incident Energy (MeV)

27

MAT 5440

274.3 keV (n,n') Level
Legendre Coefficients

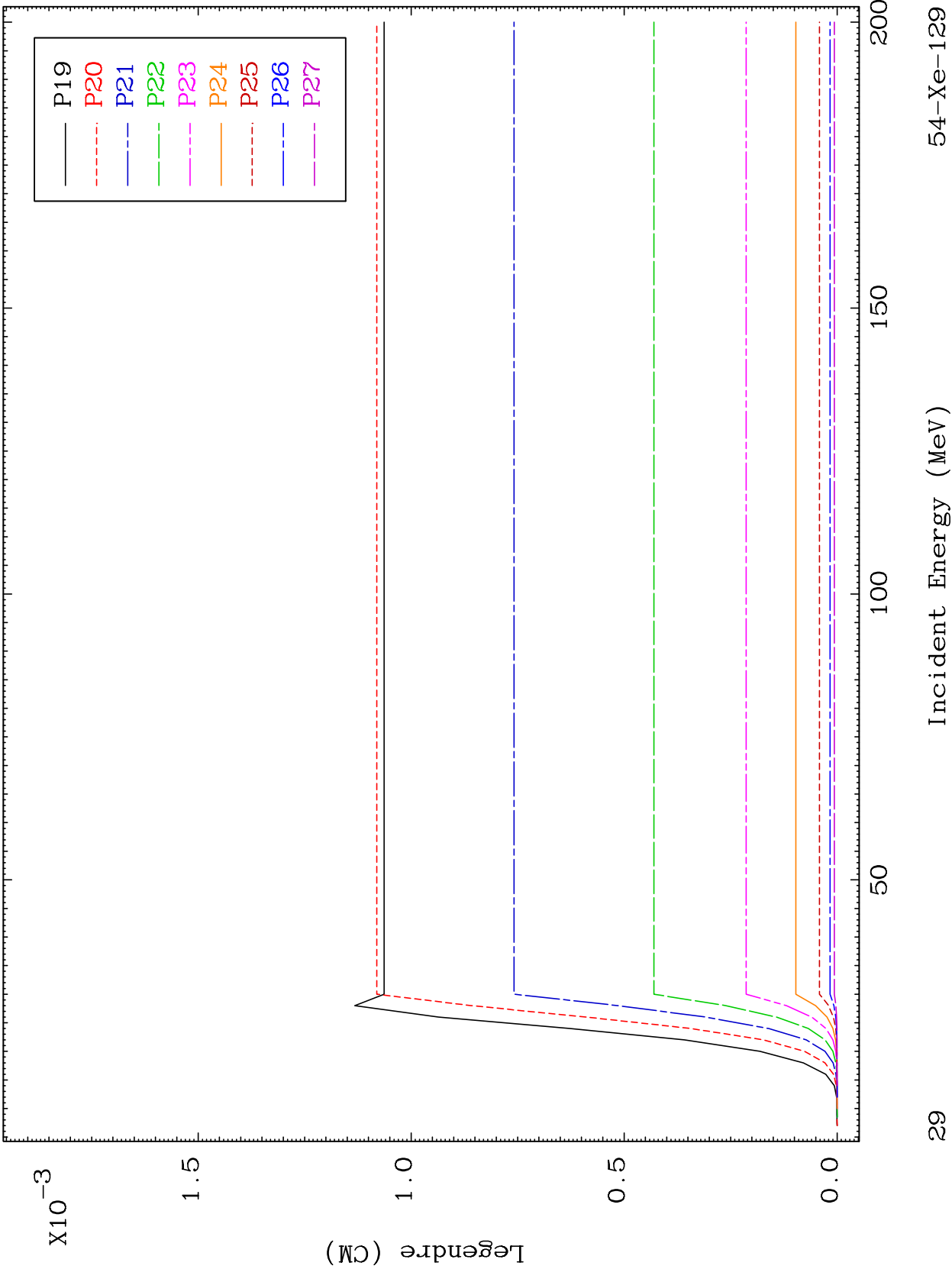
54-Xe-129



54-Xe-129

Incident Energy (MeV)

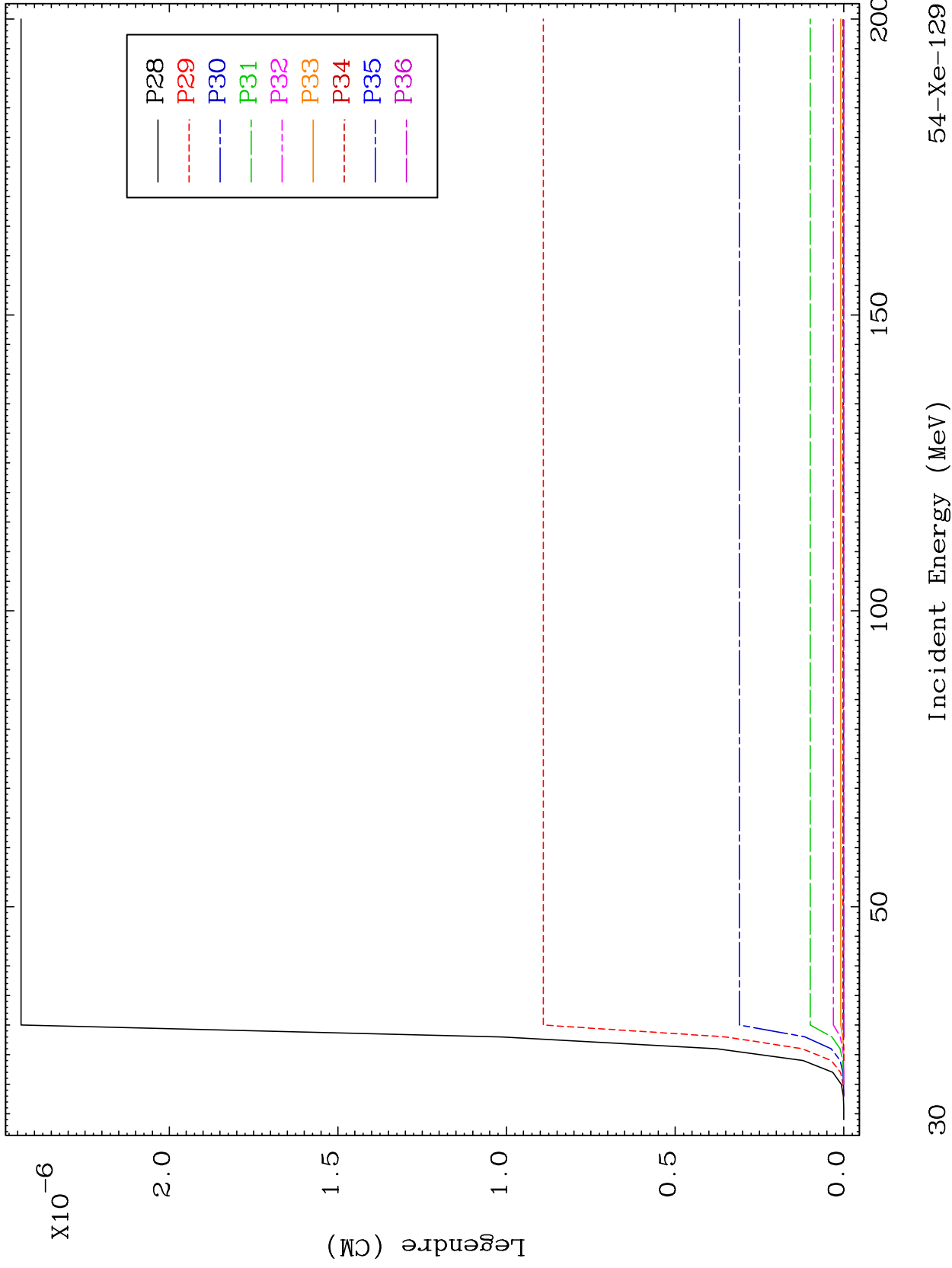
28

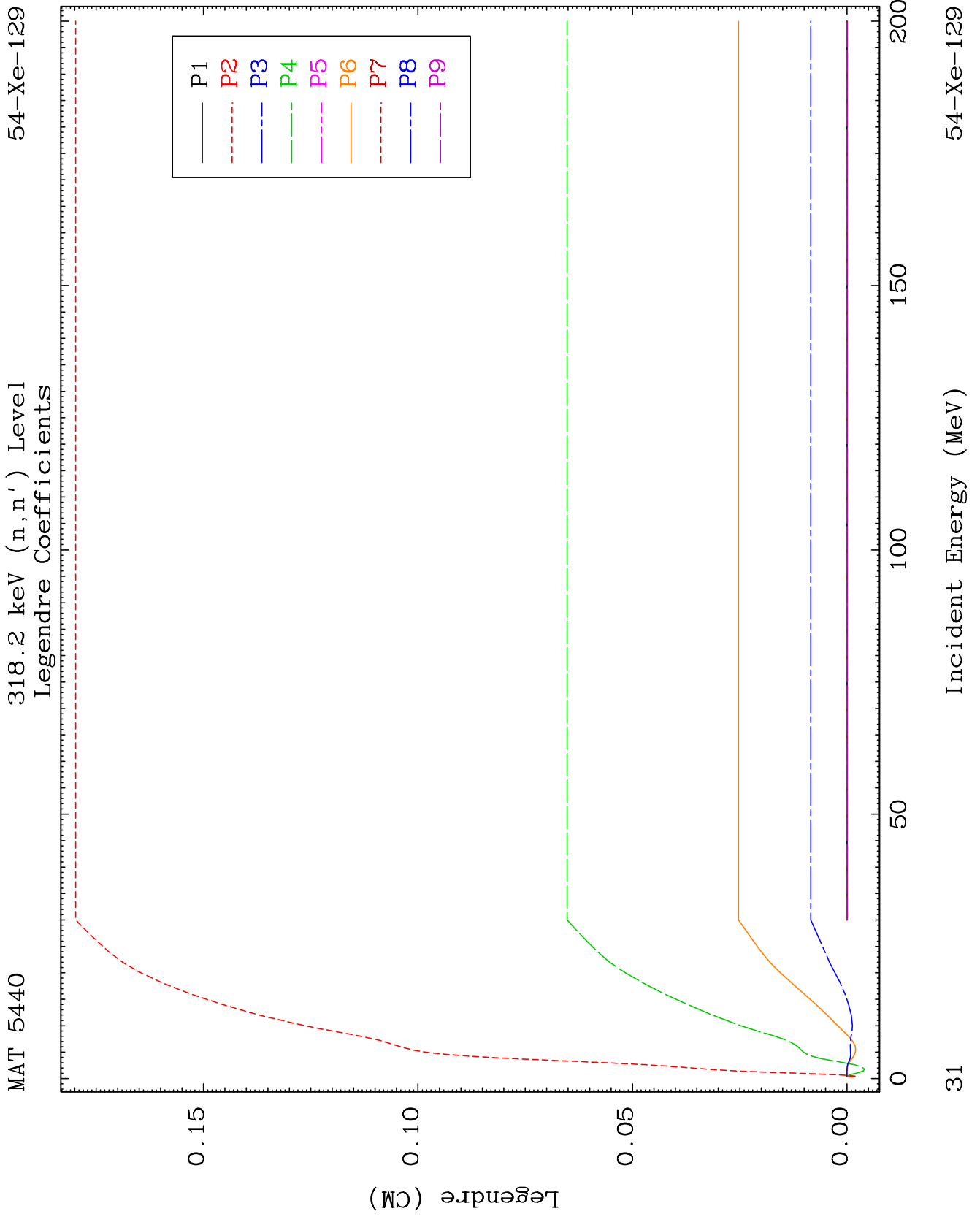


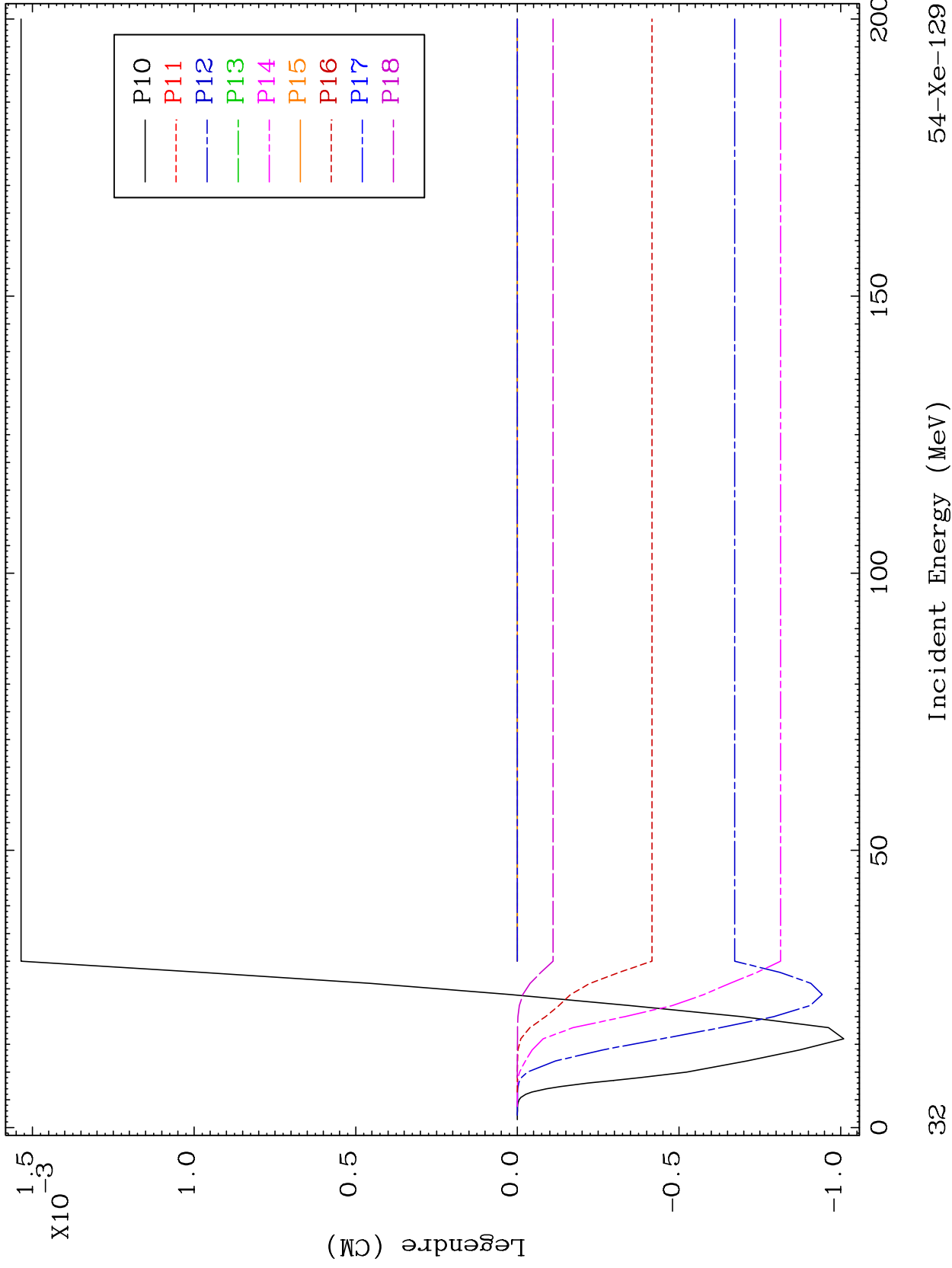
MAT 5440

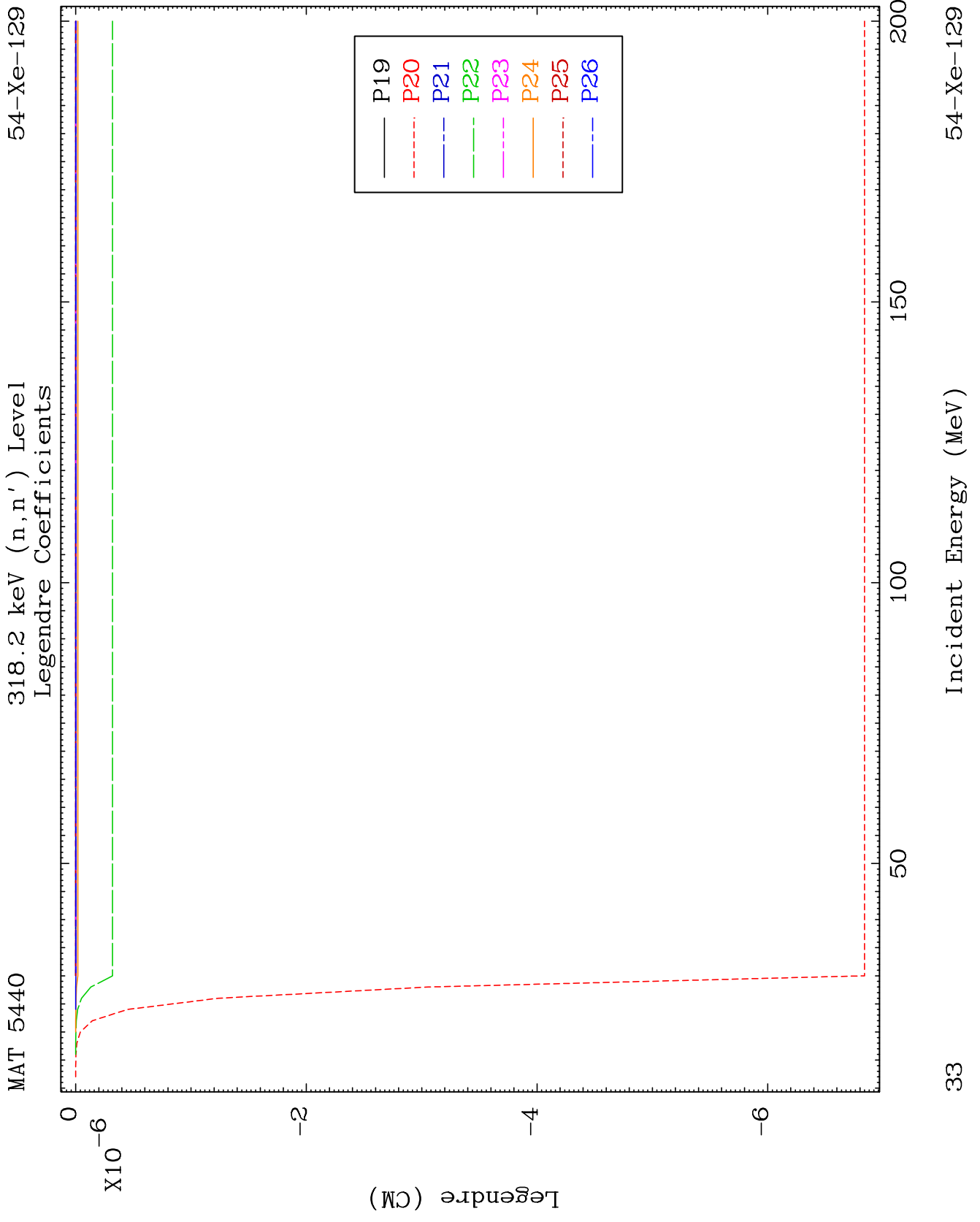
274.3 keV (n, n') Level
Legendre Coefficients

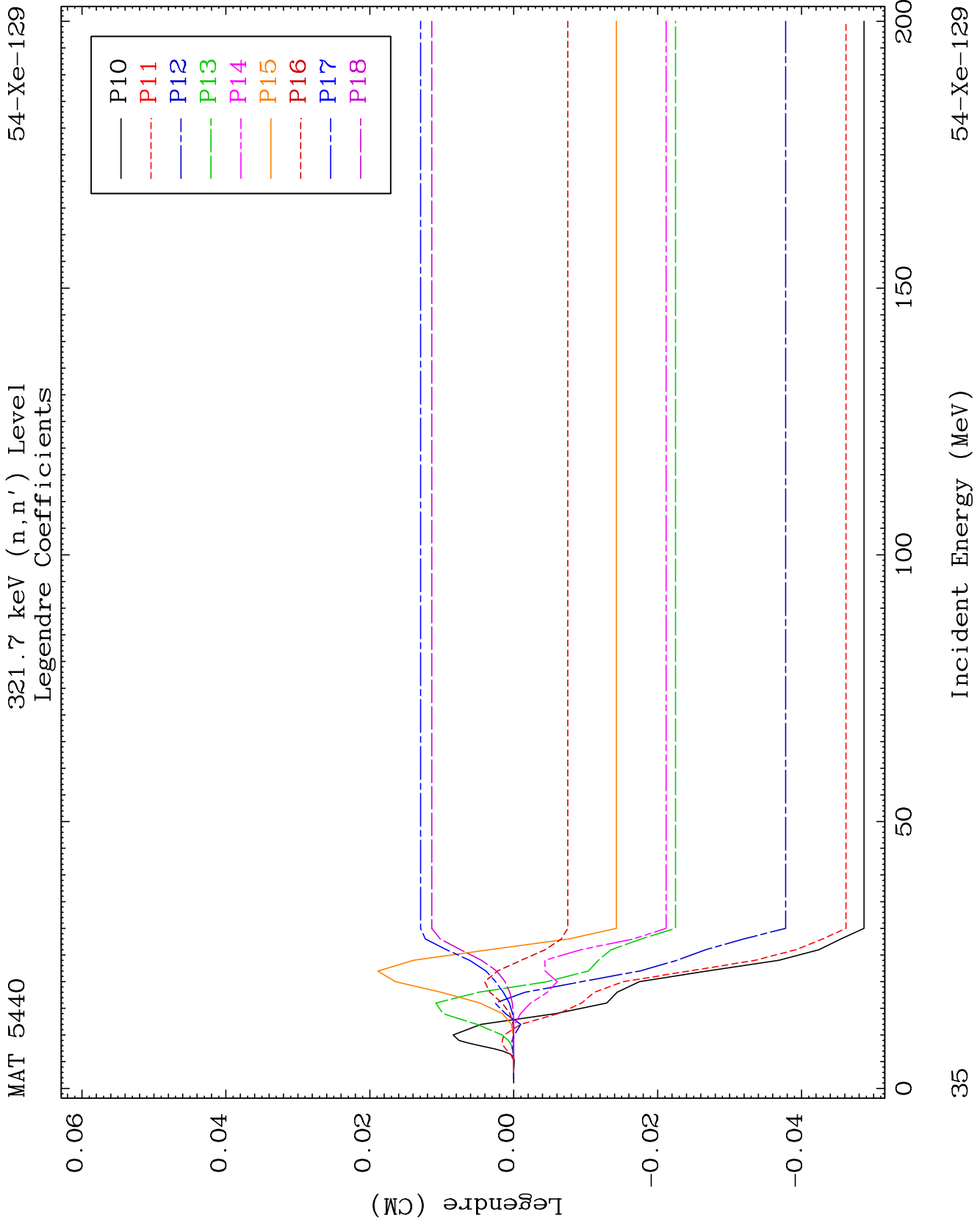
54-Xe-129

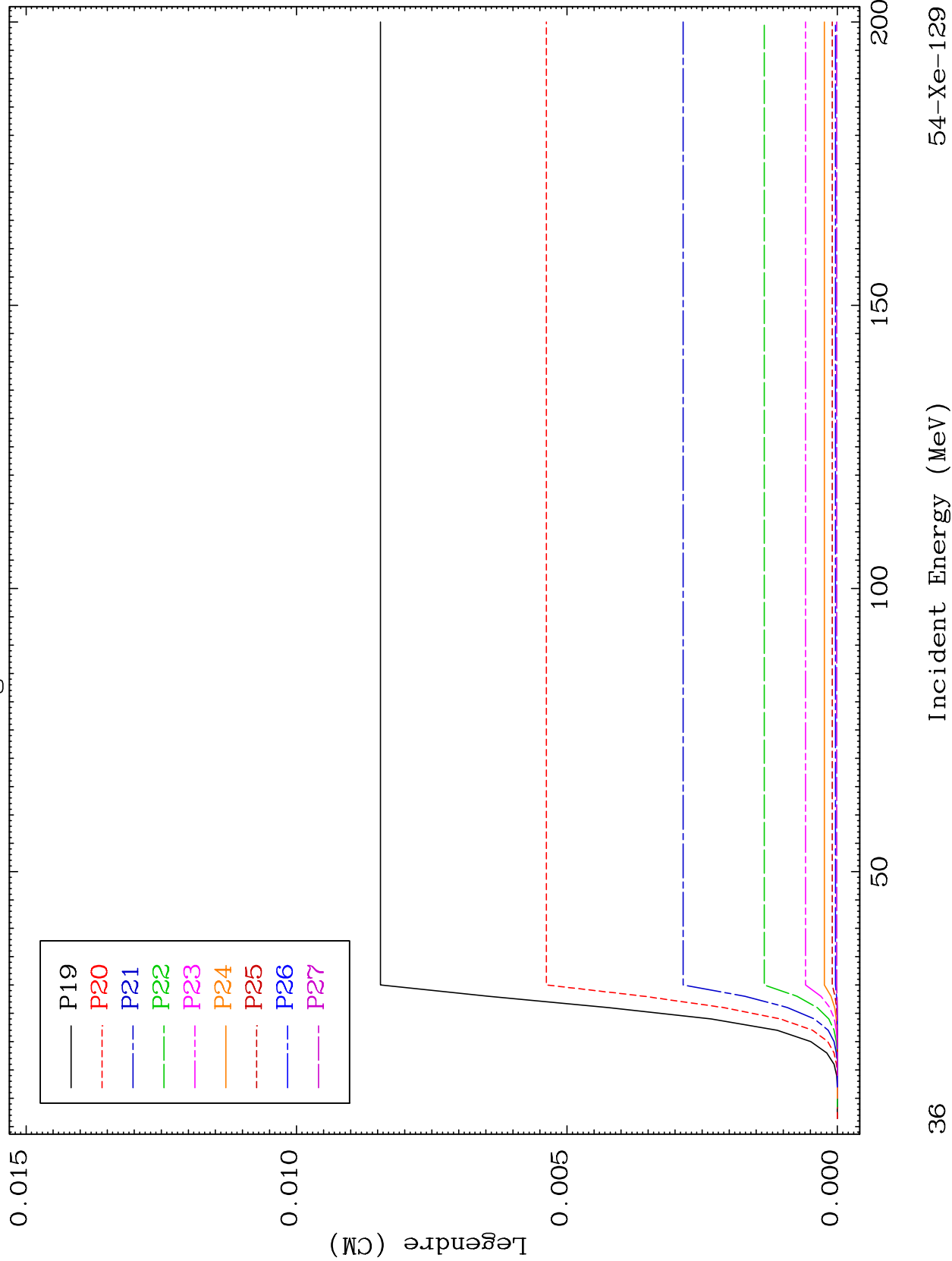








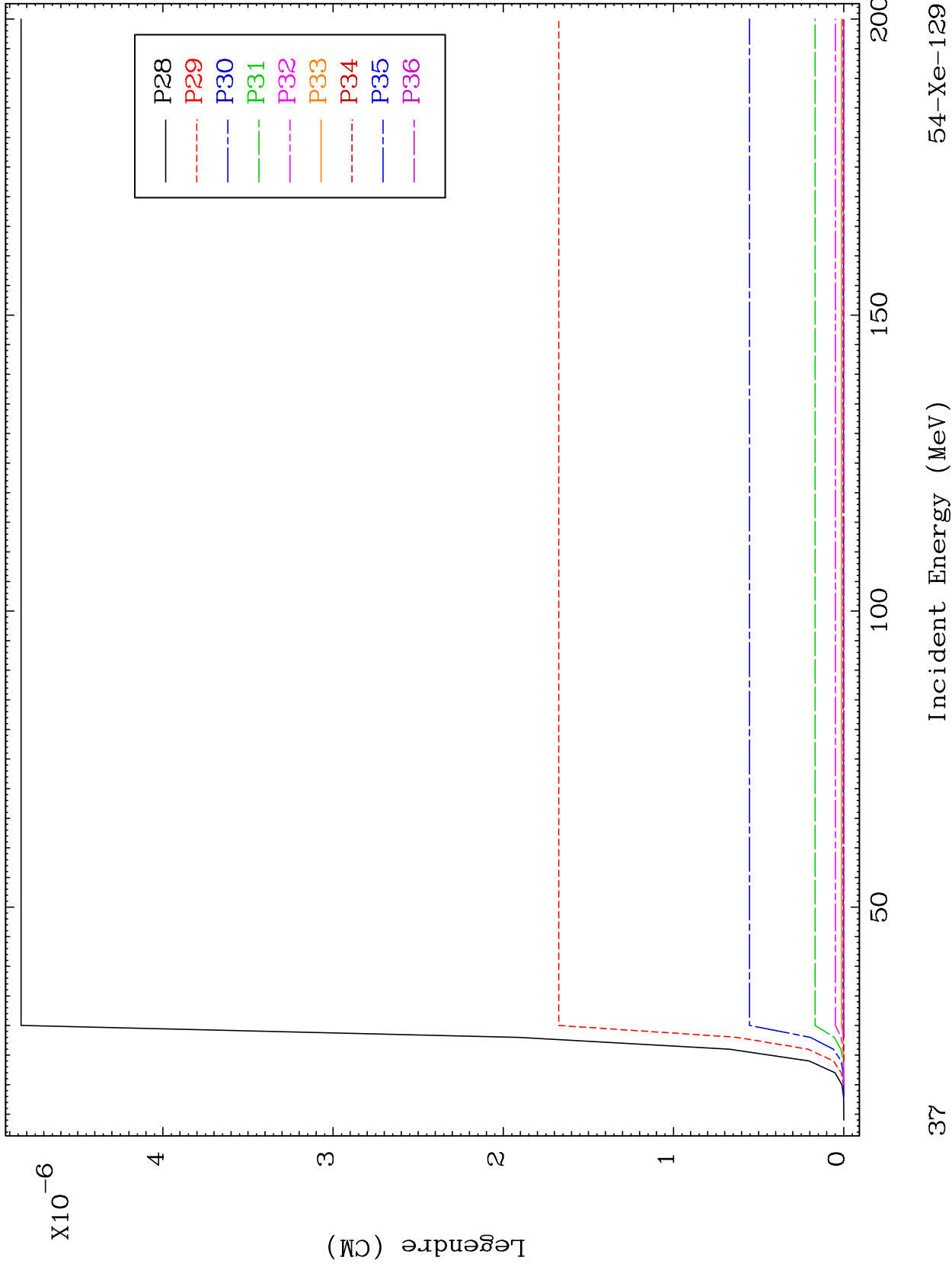


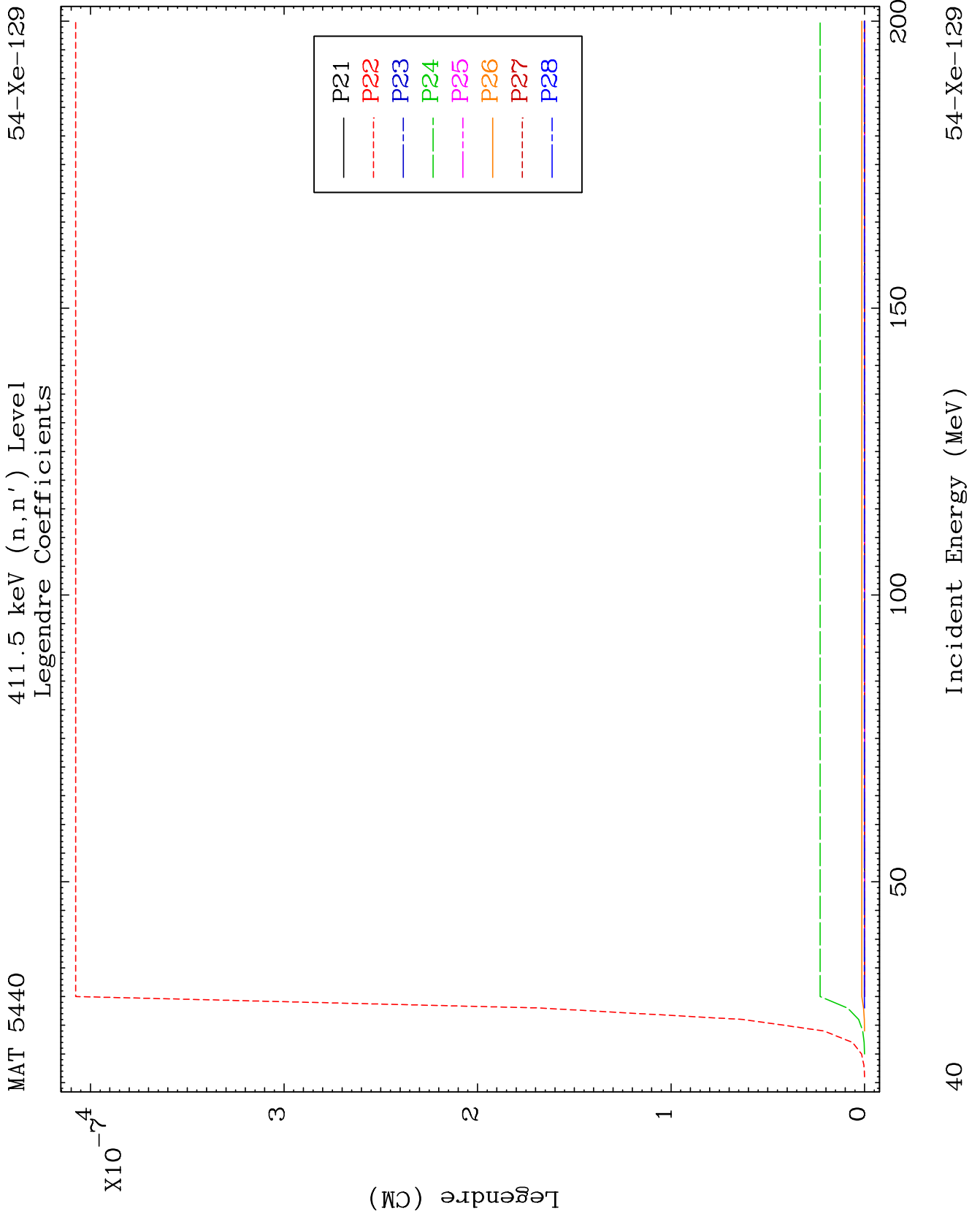


MAT 5440

321.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129

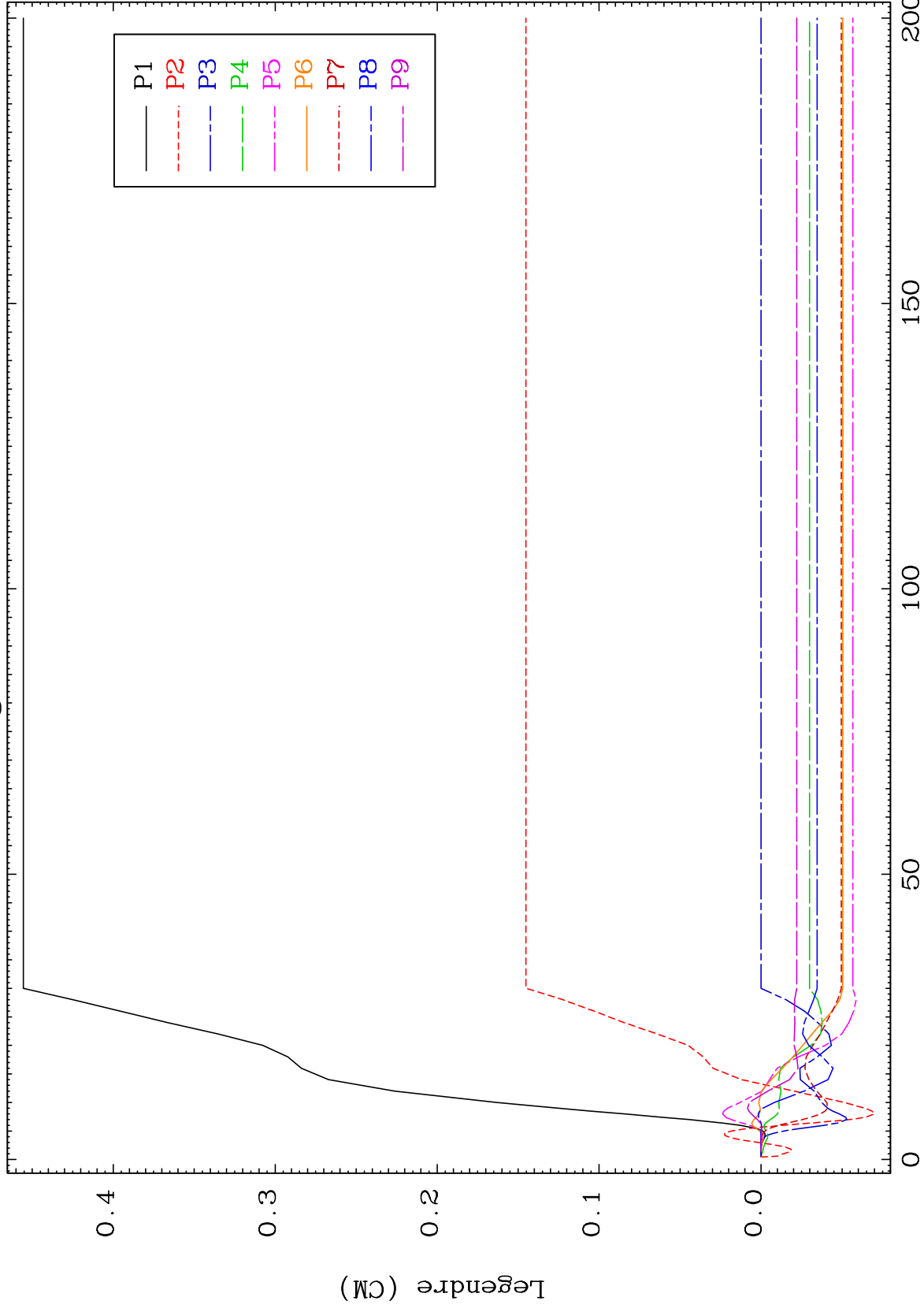




MAT 5440

442.2 keV (n,n') Level
Legendre Coefficients

54-Xe-129



41

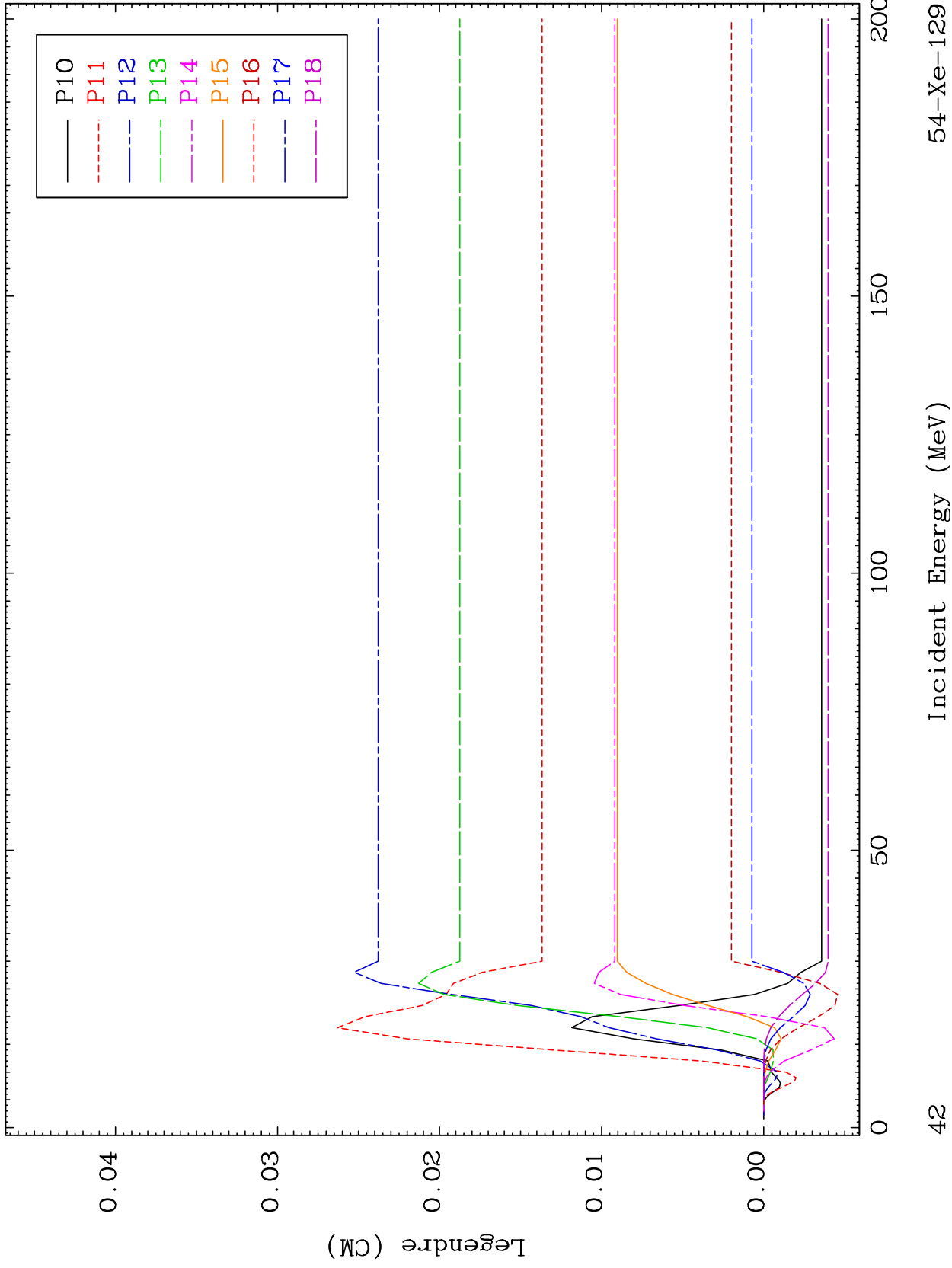
Incident Energy (MeV)

54-Xe-129

MAT 5440

442.2 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

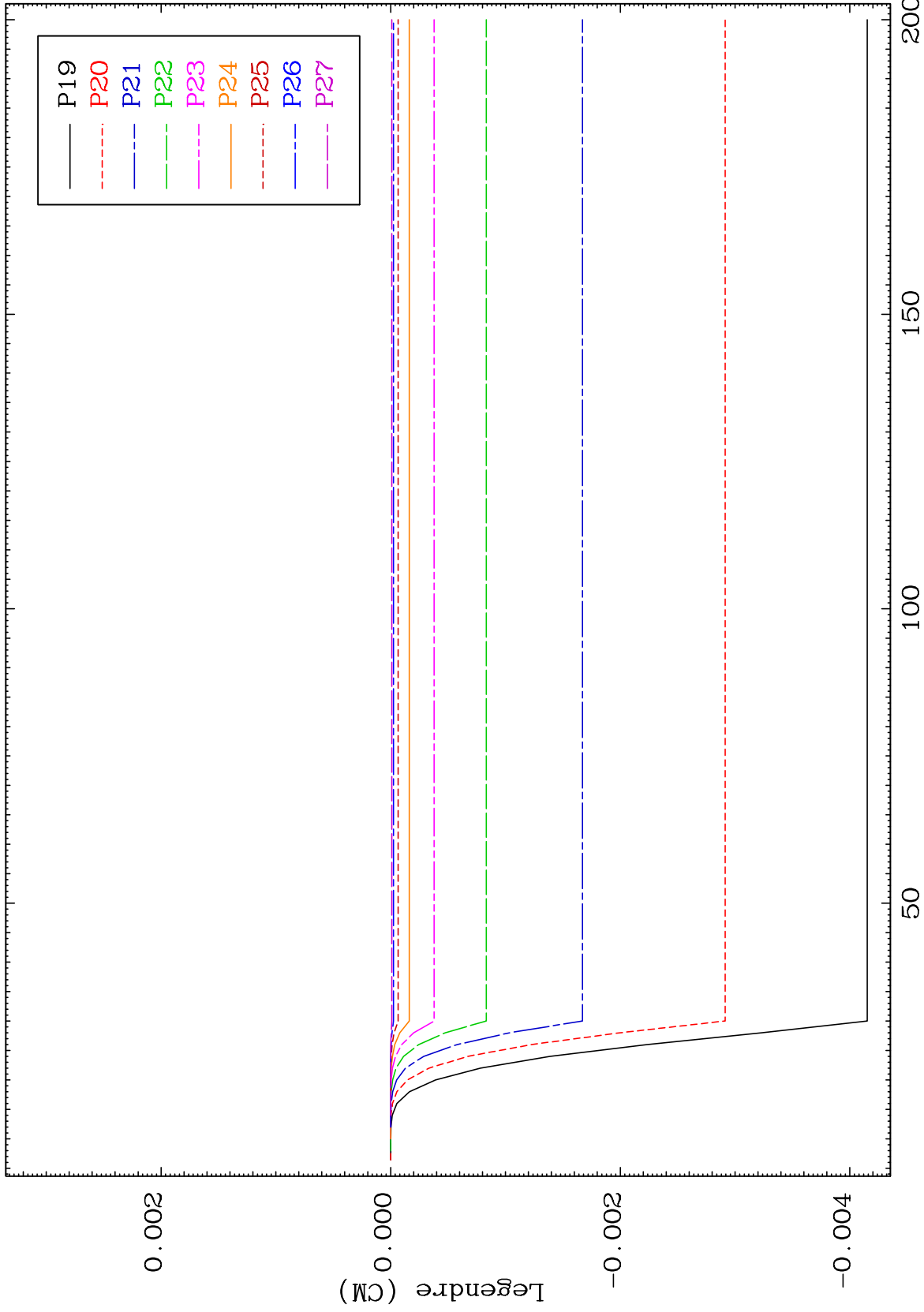
Incident Energy (MeV)

42

MAT 5440

442.2 keV (n,n') Level
Legendre Coefficients

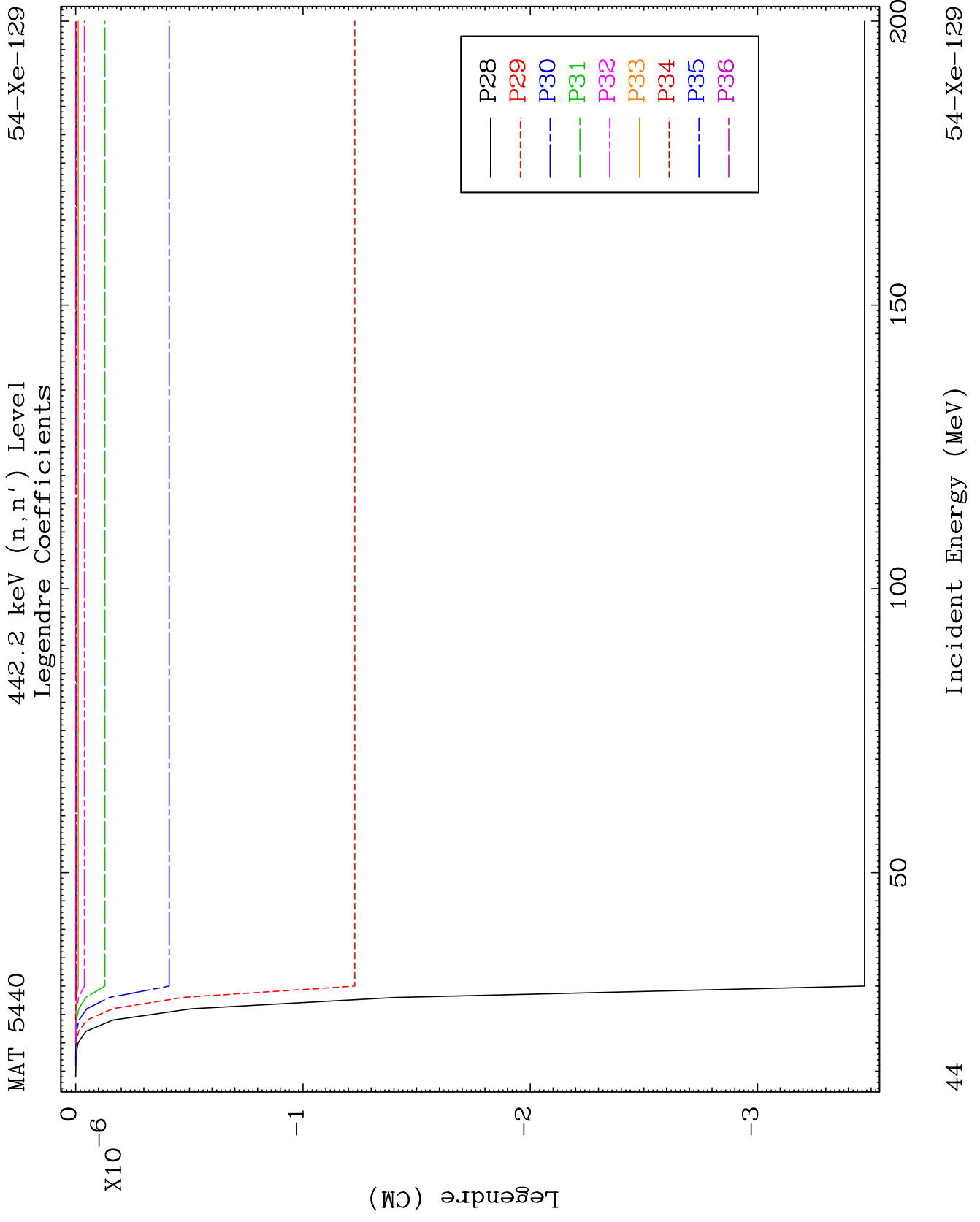
54-Xe-129



43

Incident Energy (MeV)

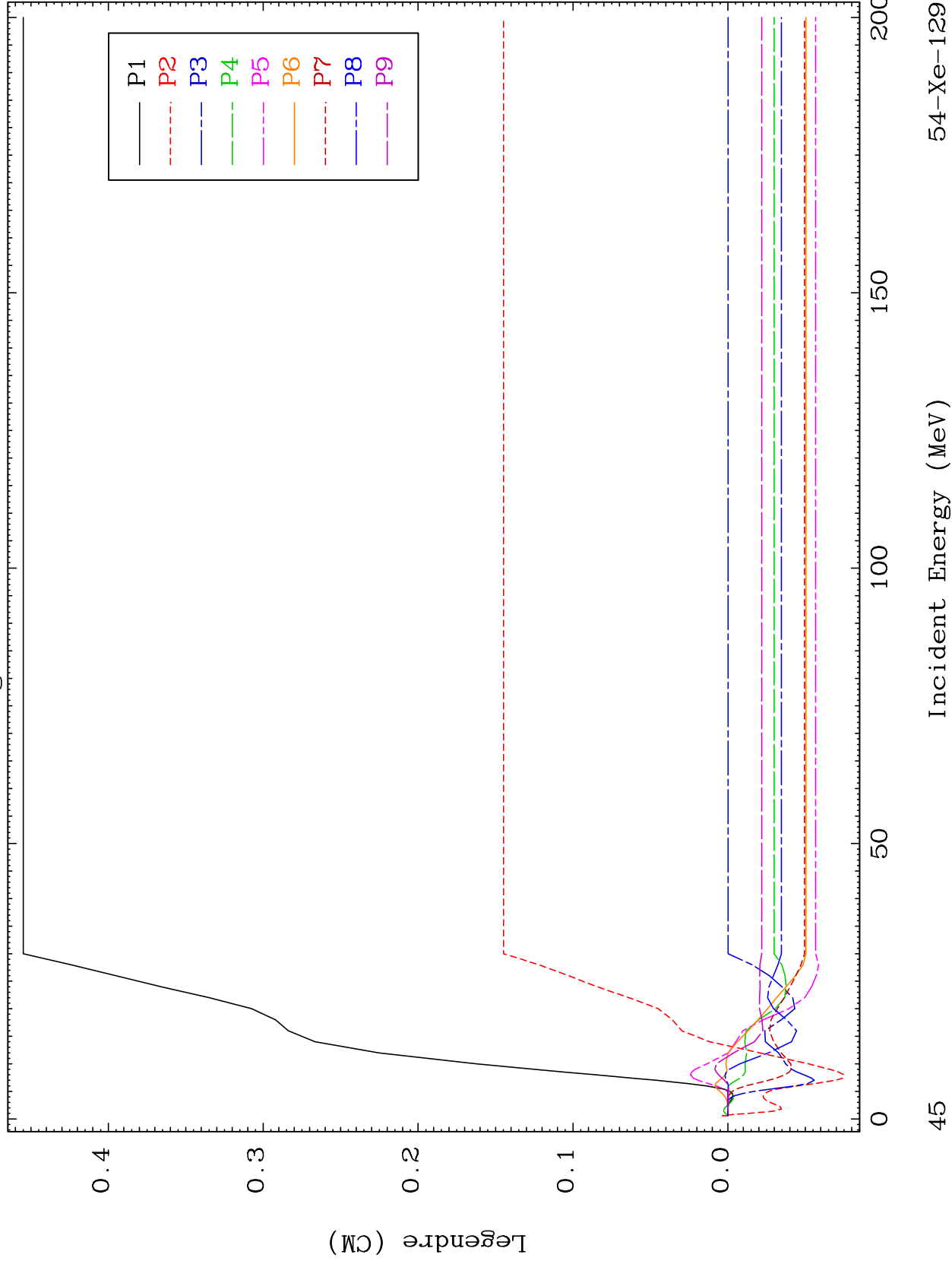
54-Xe-129



MAT 5440

518.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

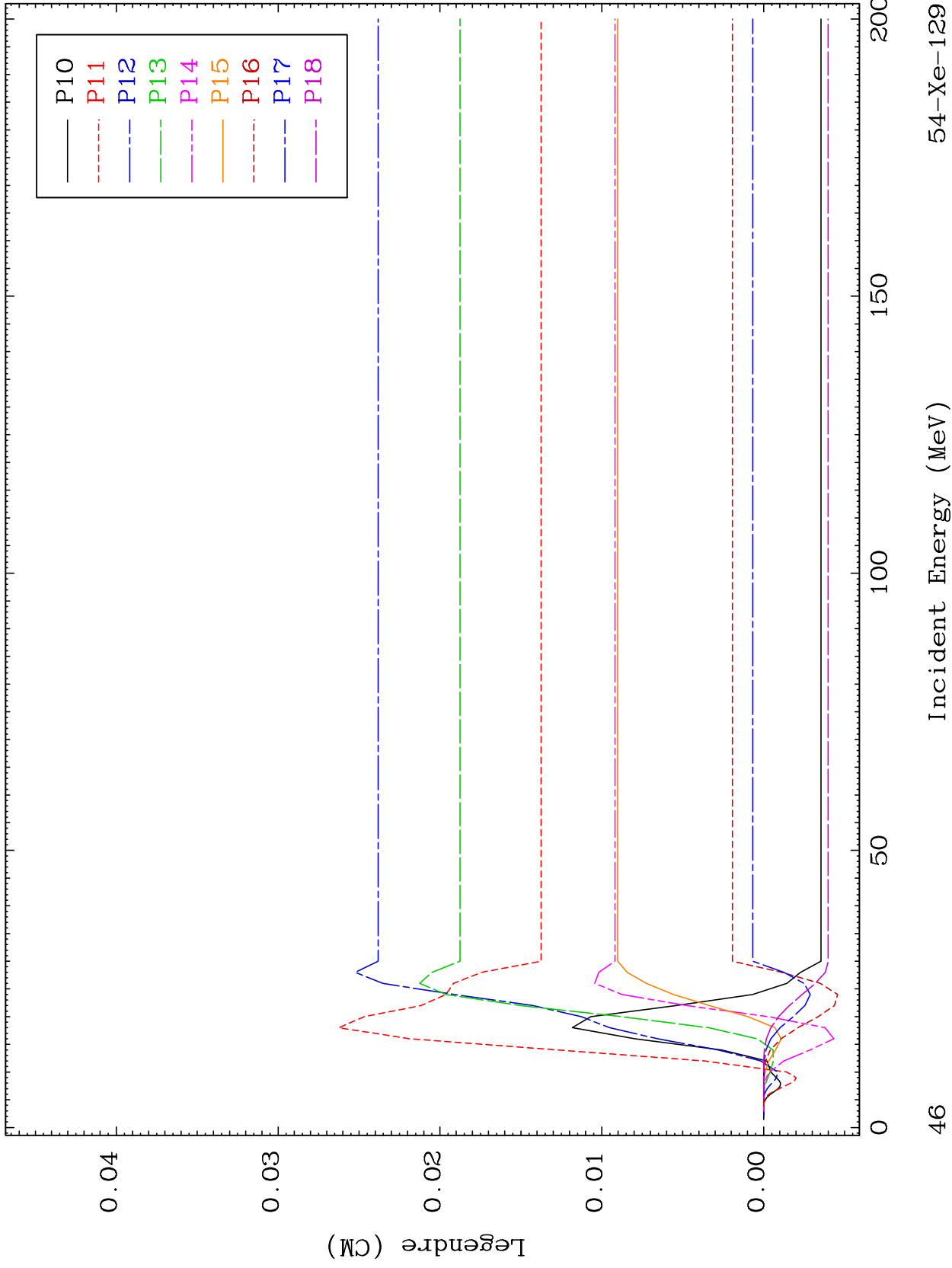
Incident Energy (MeV)

45

MAT 5440

518.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

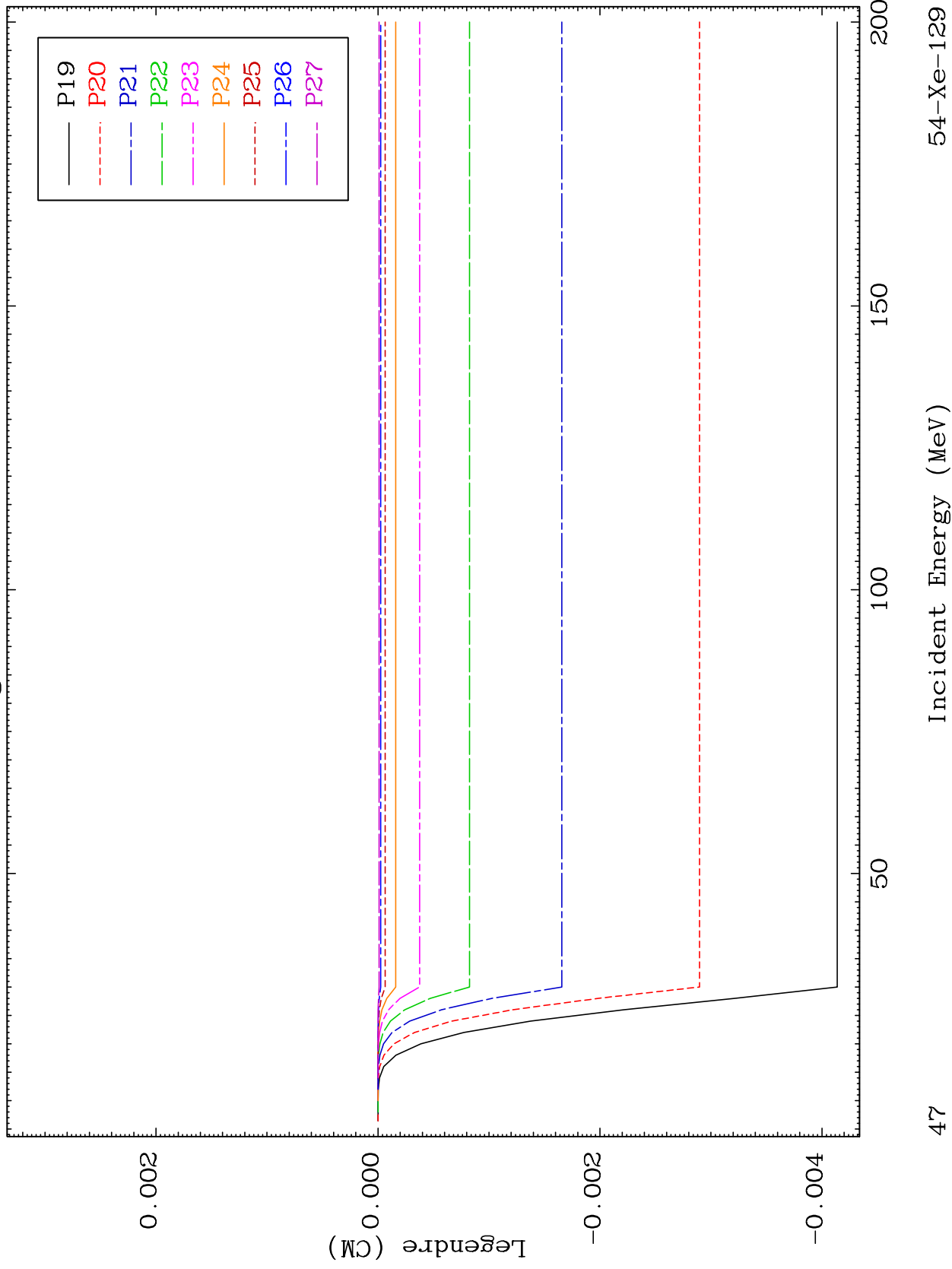
Incident Energy (MeV)

46

MAT 5440

518.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129



47

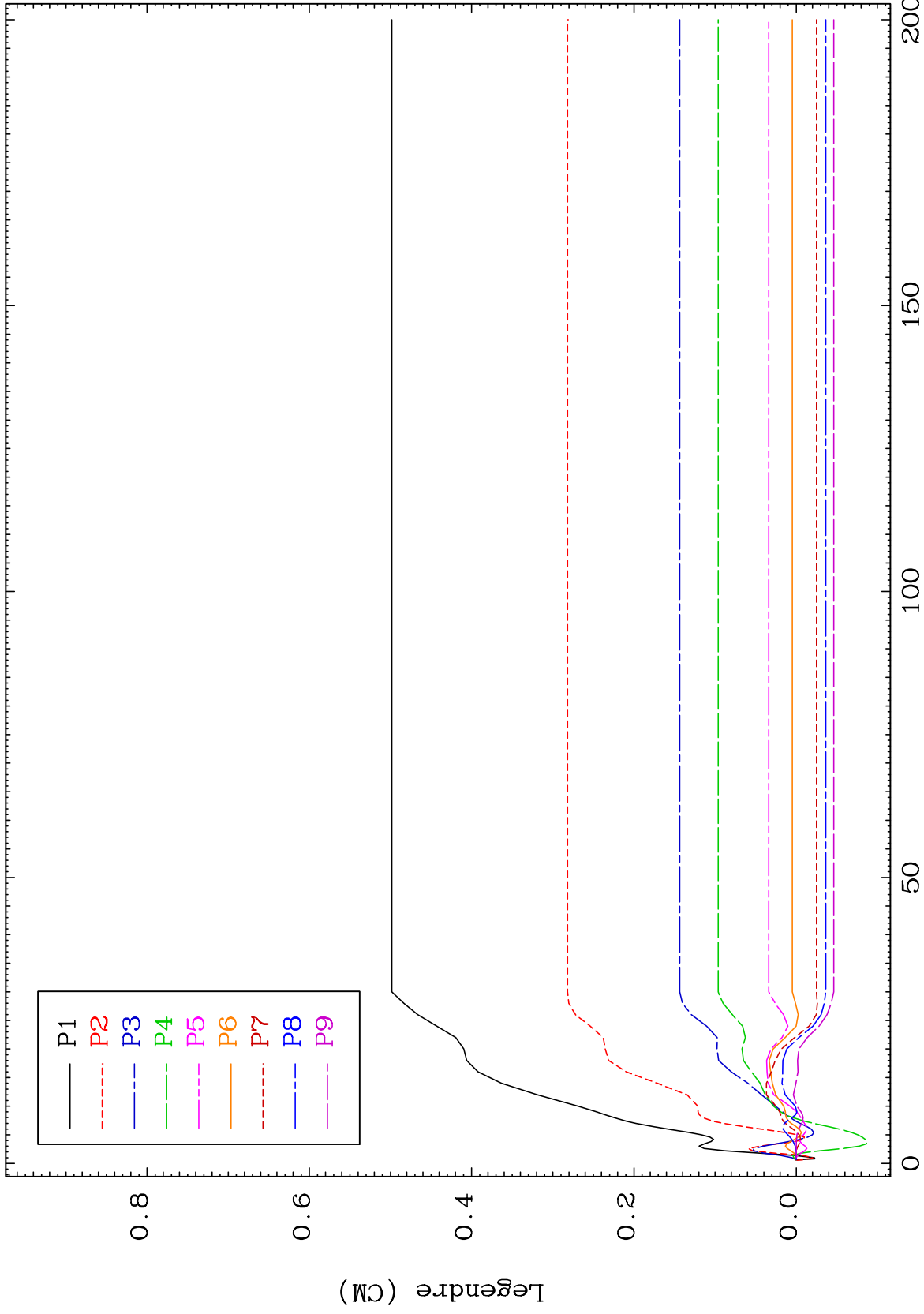
Incident Energy (MeV)

54-Xe-129

MAT 5440

525.3 keV (n,n') Level
Legendre Coefficients

54-Xe-129



49

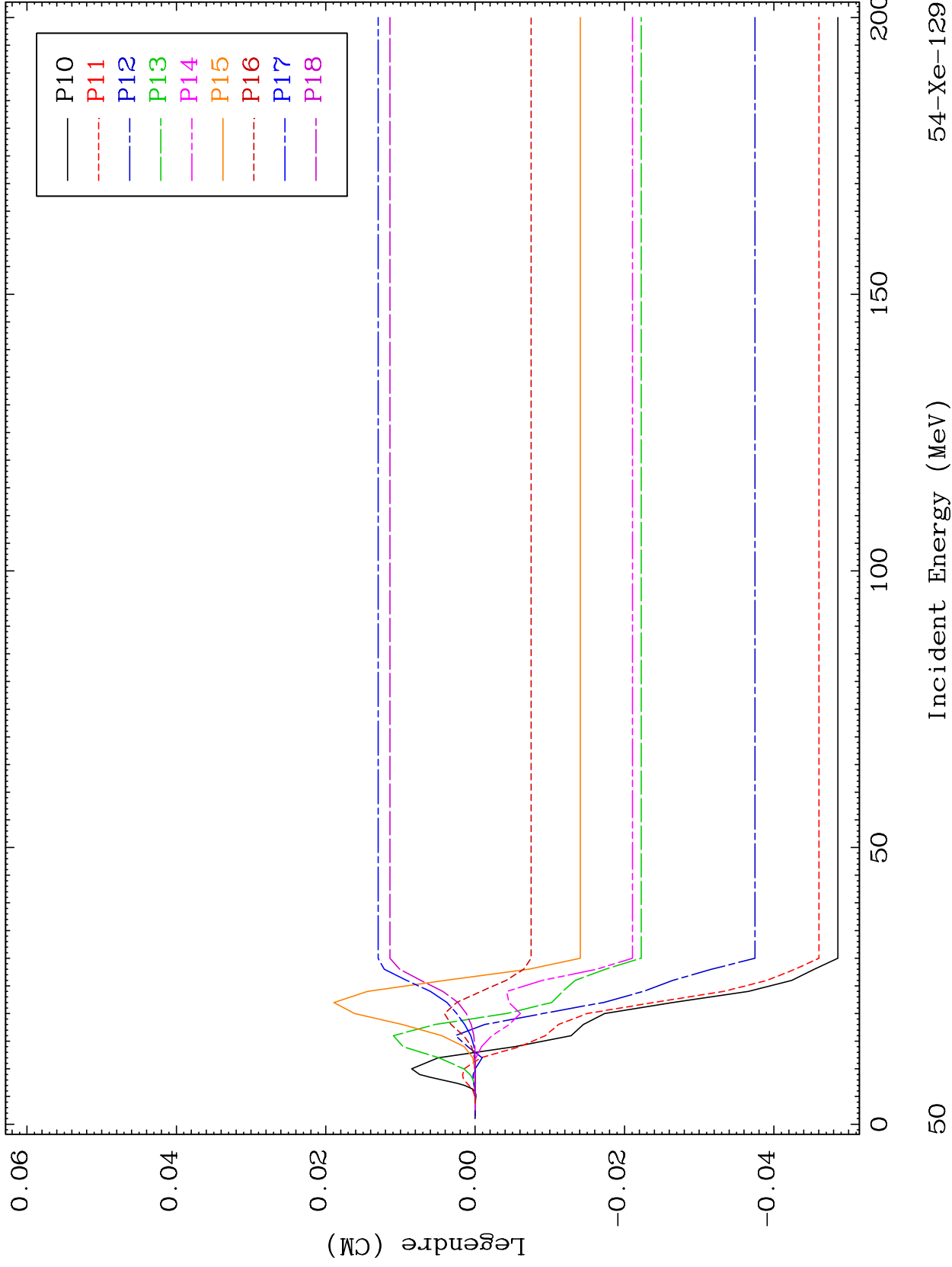
Incident Energy (MeV)

54-Xe-129

MAT 5440

525.3 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

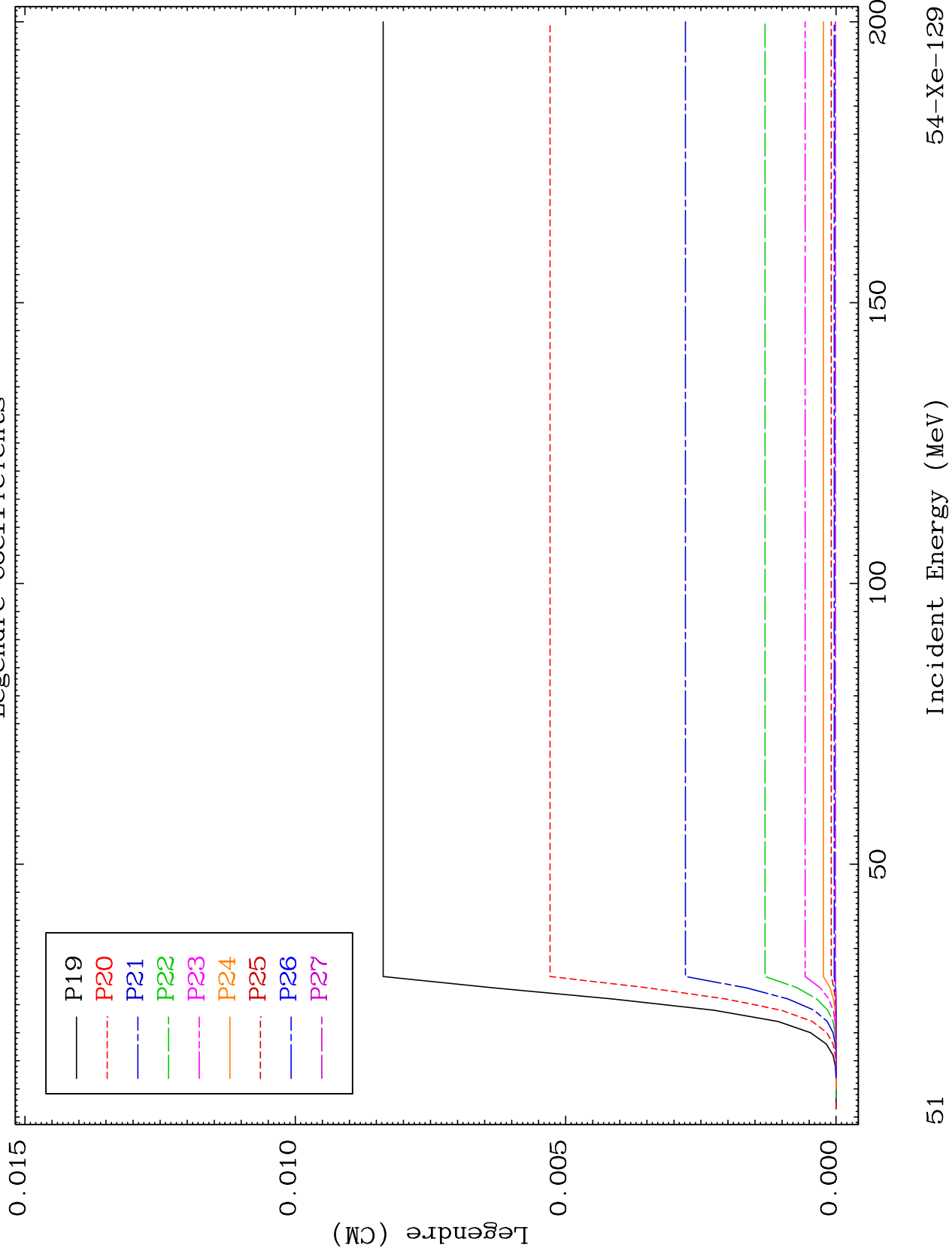
Incident Energy (MeV)

50

MAT 5440

525.3 keV (n,n') Level
Legendre Coefficients

54-Xe-129



51

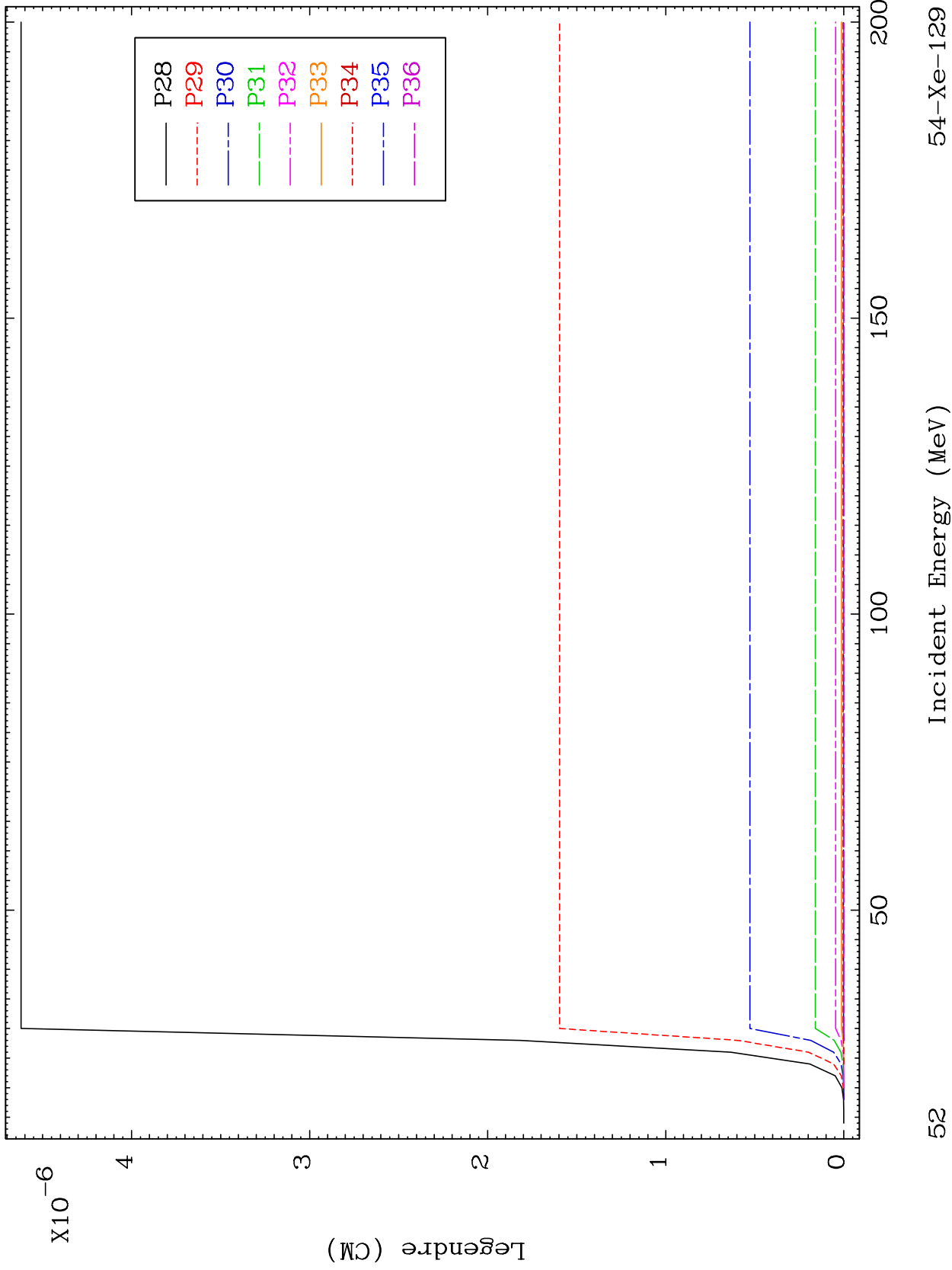
Incident Energy (MeV)

54-Xe-129

MAT 5440

525.3 keV (n,n') Level
Legendre Coefficients

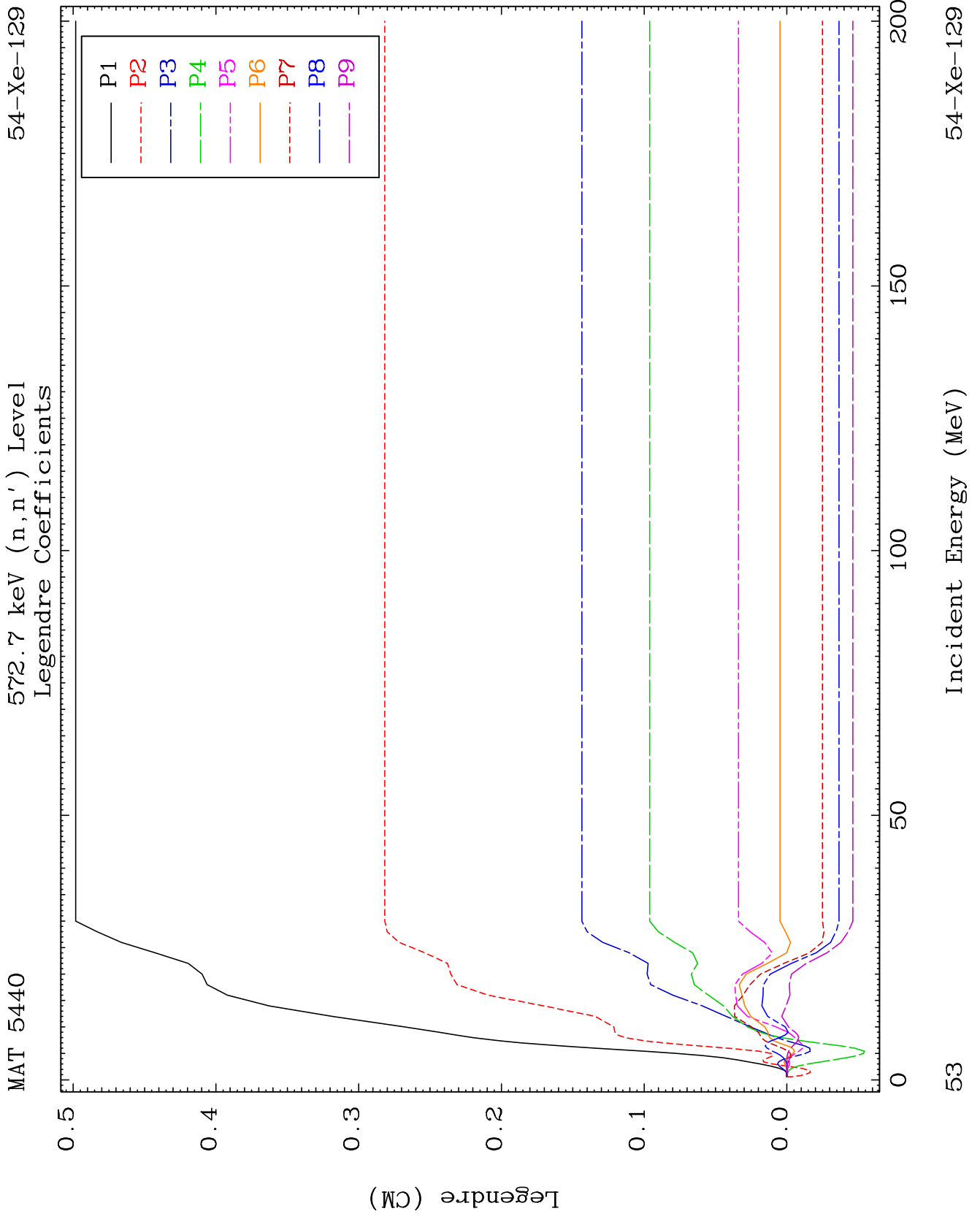
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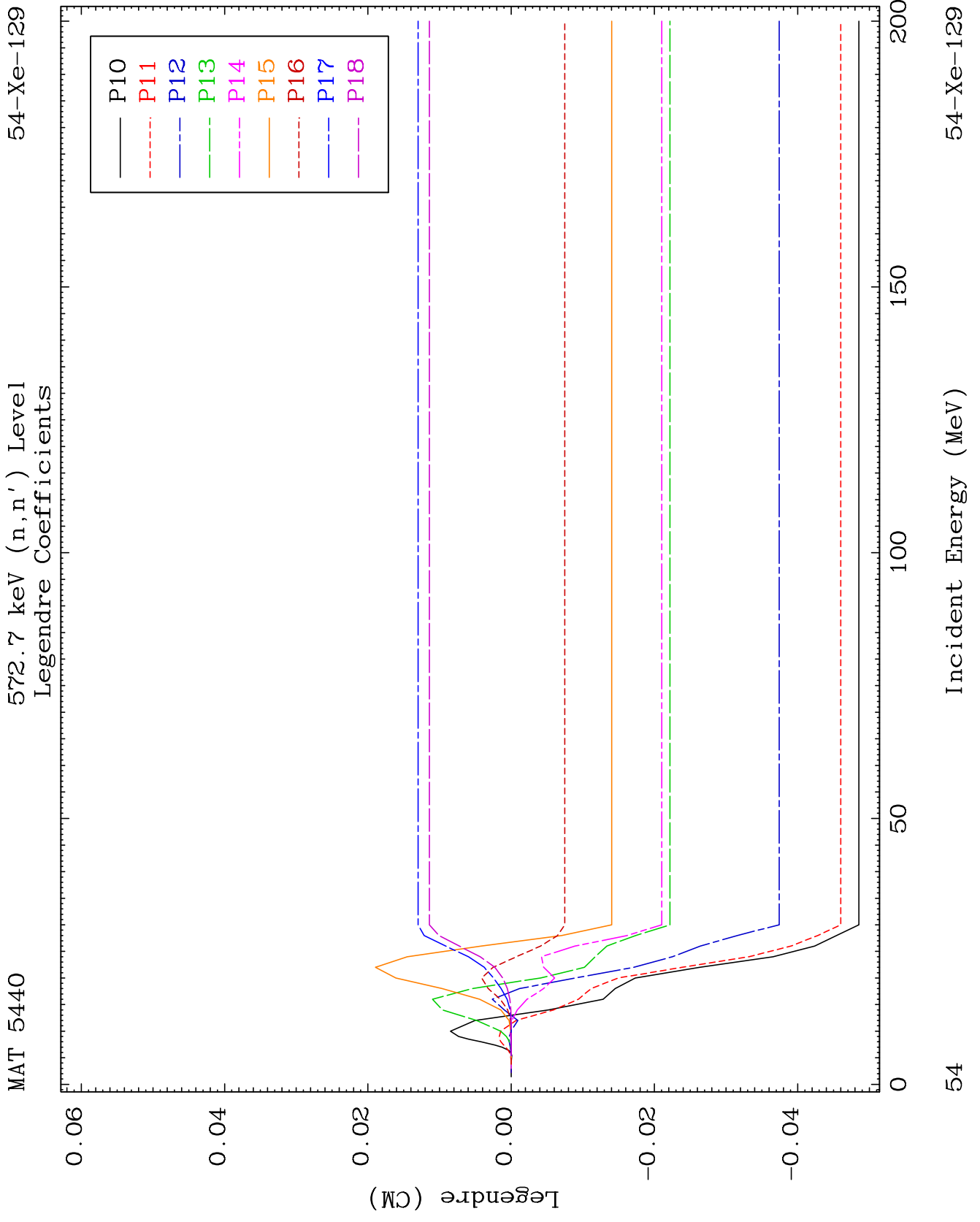


52

Incident Energy (MeV)

54-Xe-129

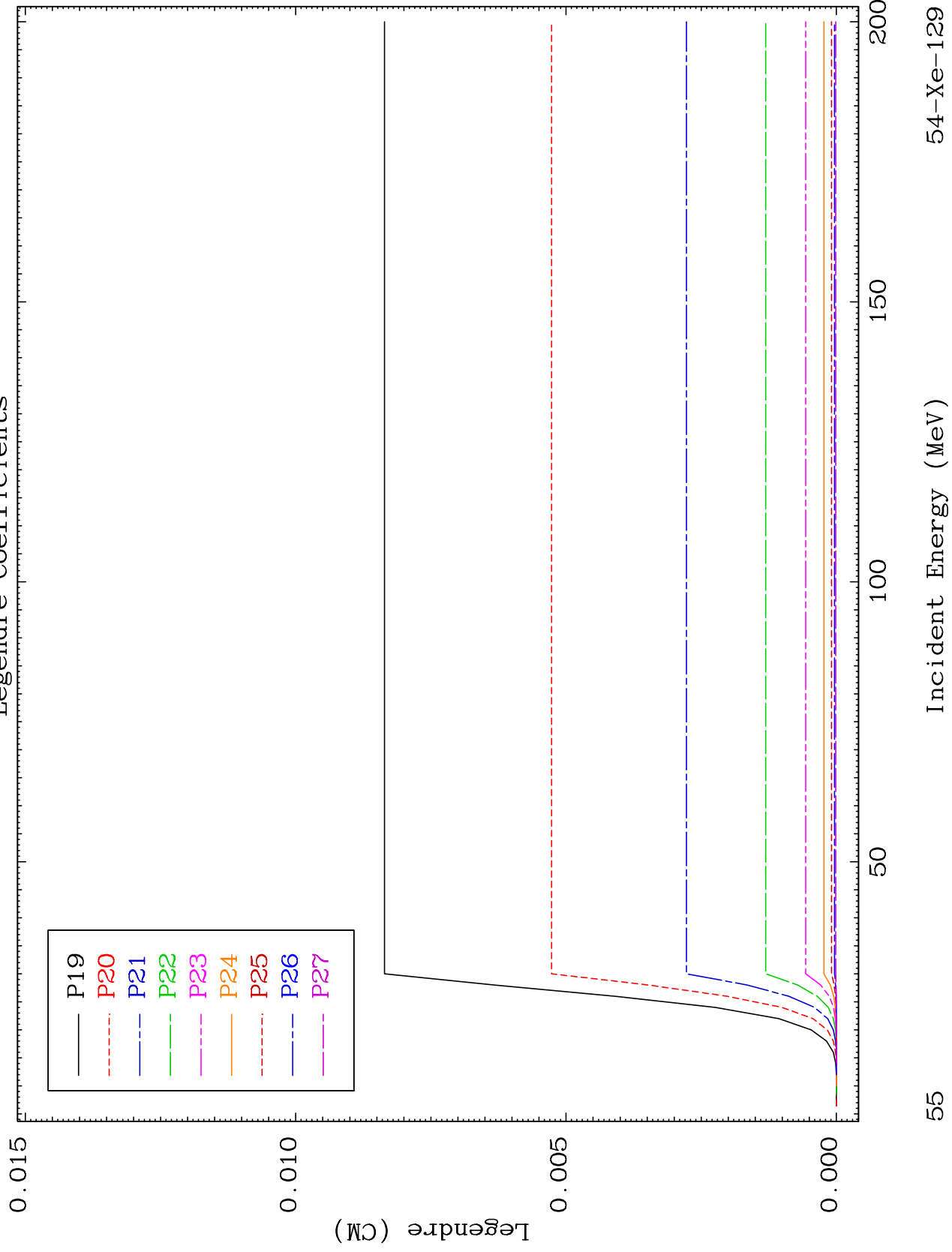




MAT 5440

572.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

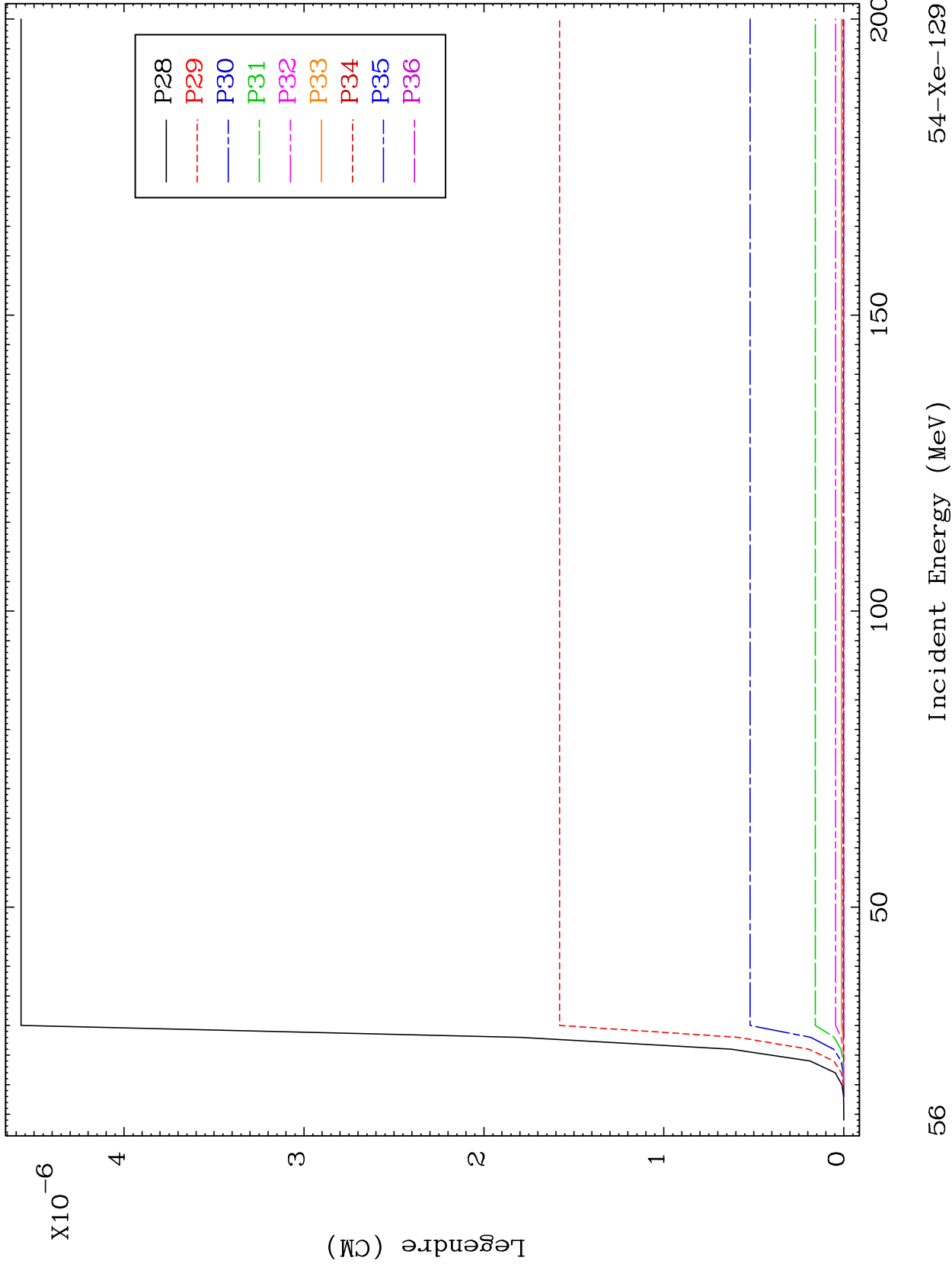
Incident Energy (MeV)

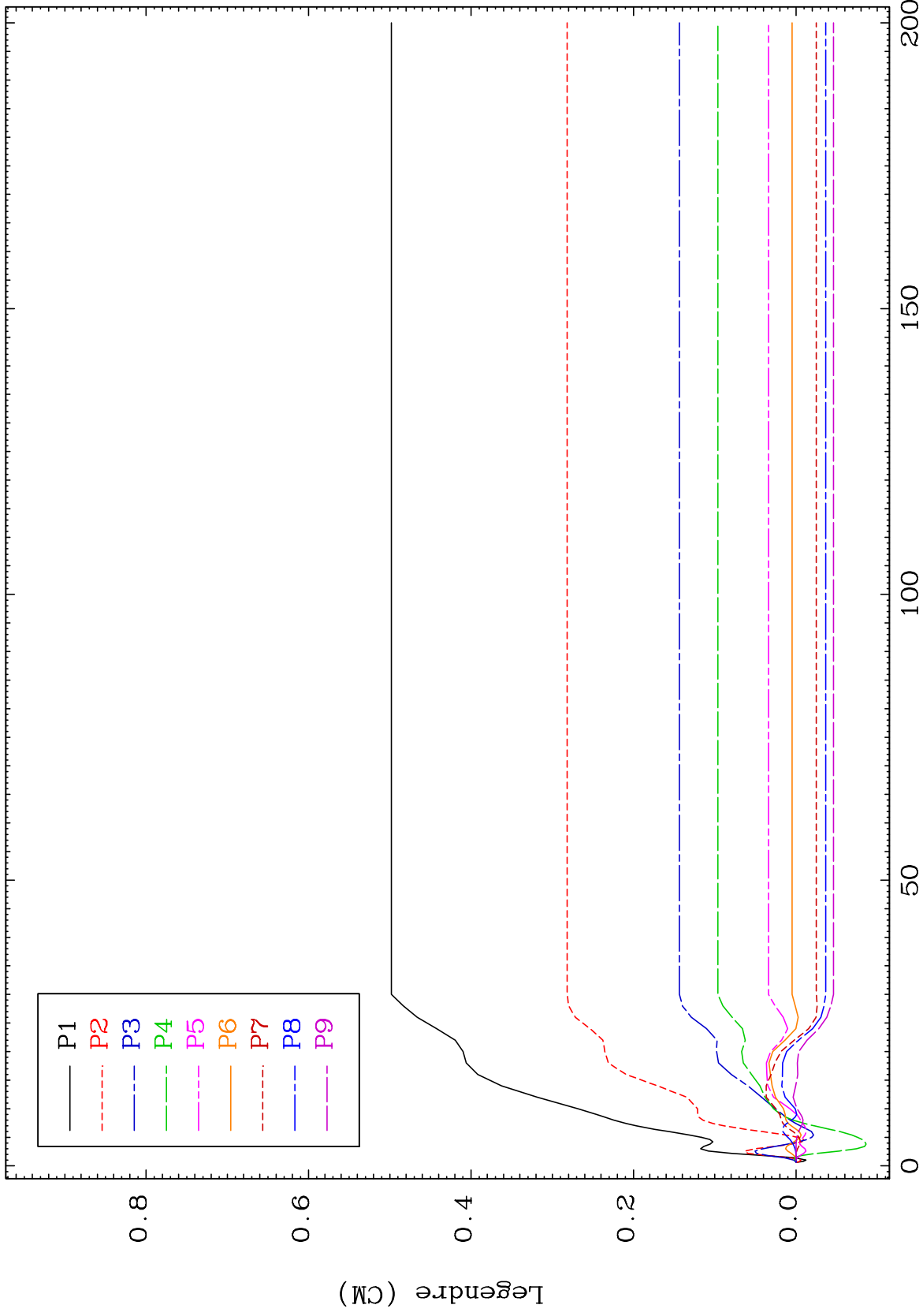
55

MAT 5440

572.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129

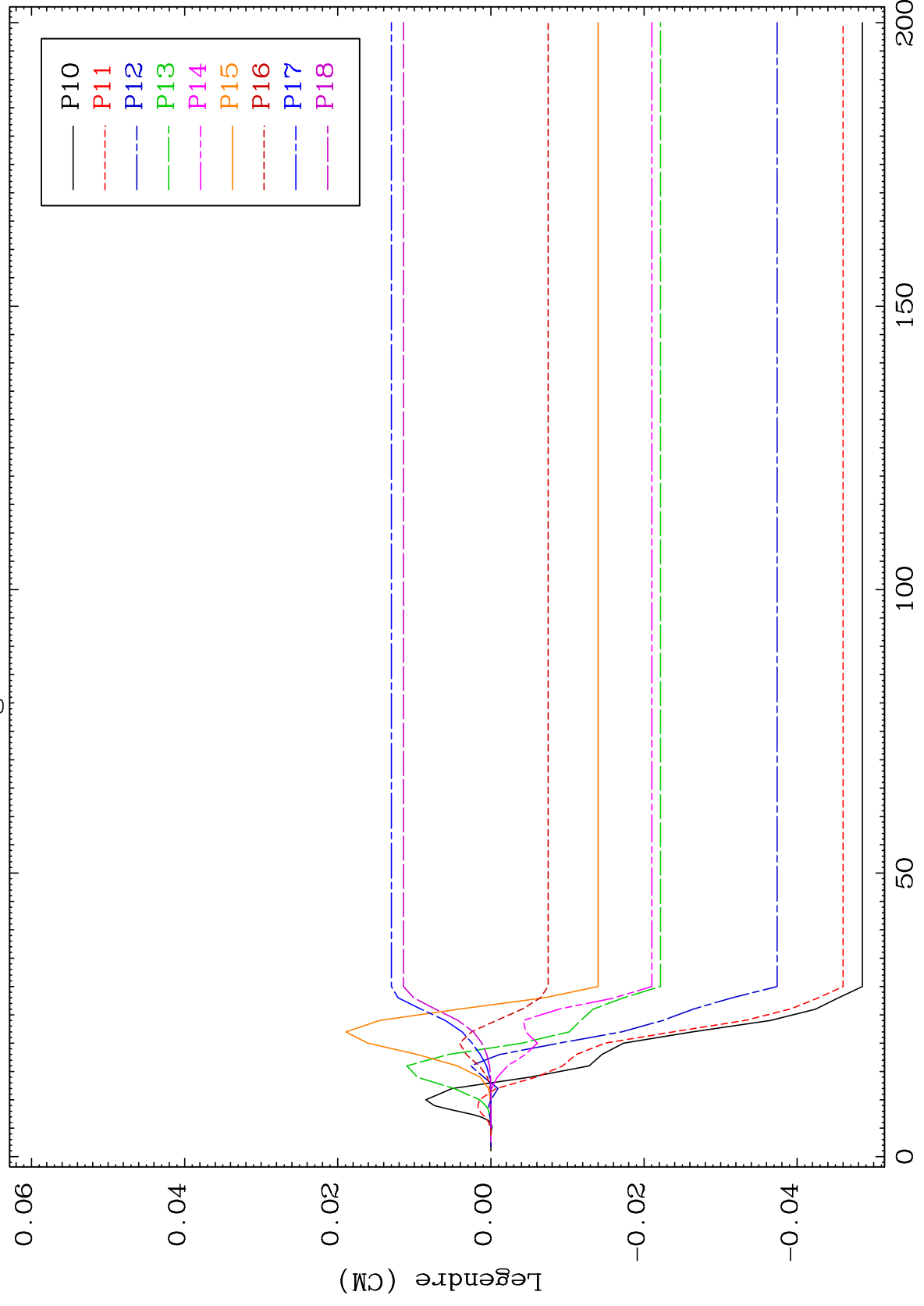




MAT 5440

588.5 keV (n,n') Level
Legendre Coefficients

54-Xe-129



58

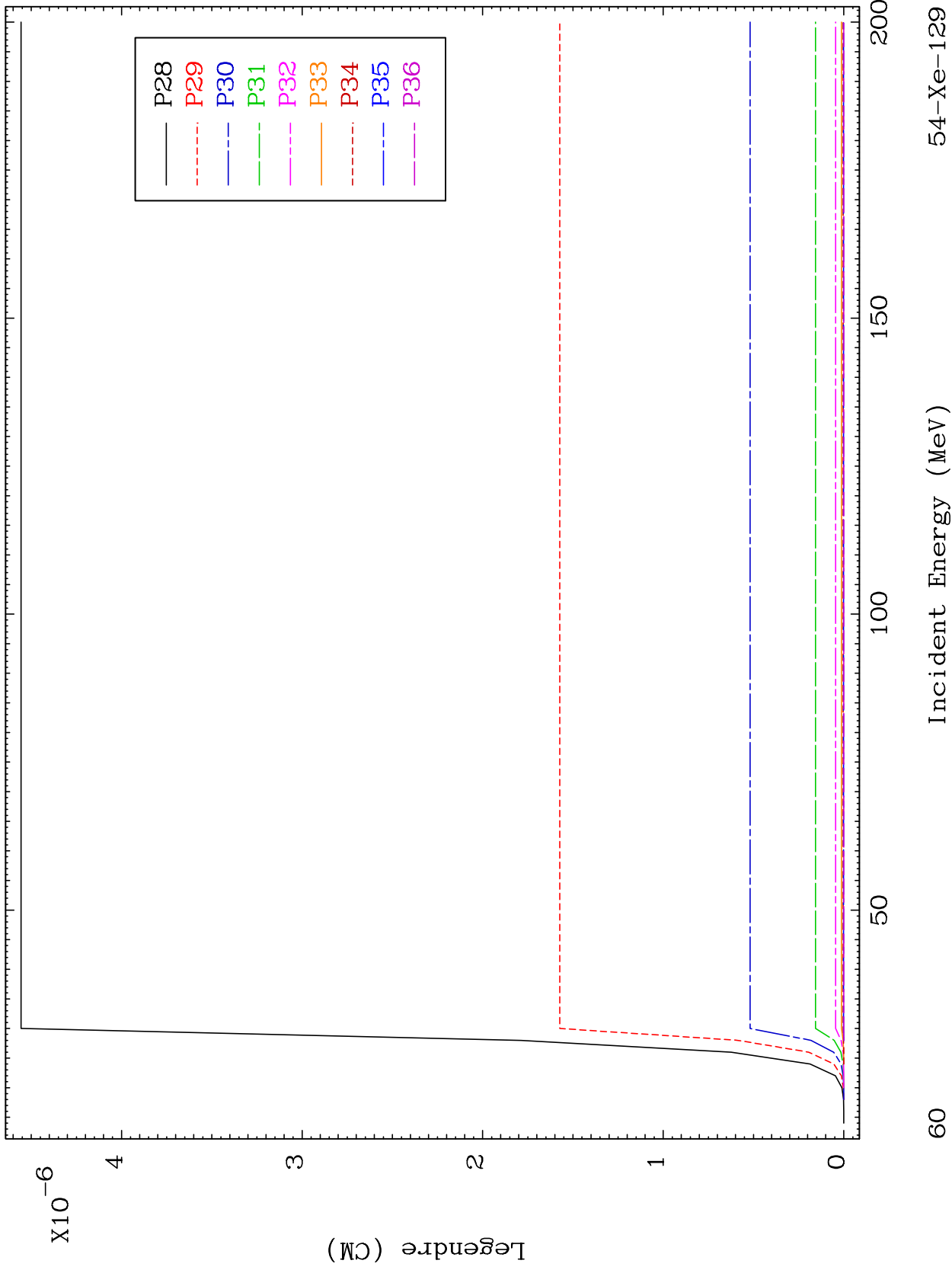
Incident Energy (MeV)

54-Xe-129

MAT 5440

588.5 keV (n,n') Level
Legendre Coefficients

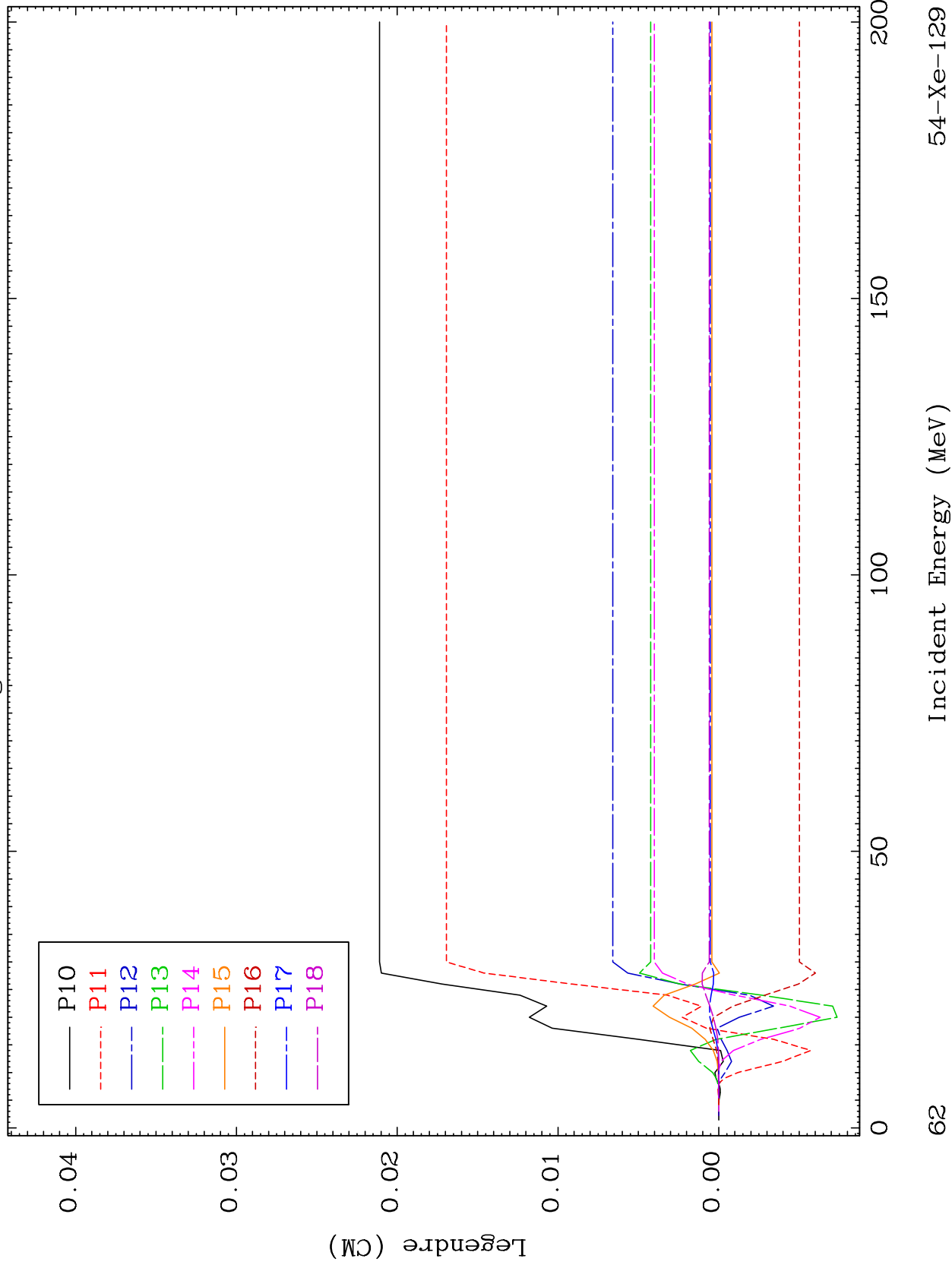
54-Xe-129



MAT 5440

624.4 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

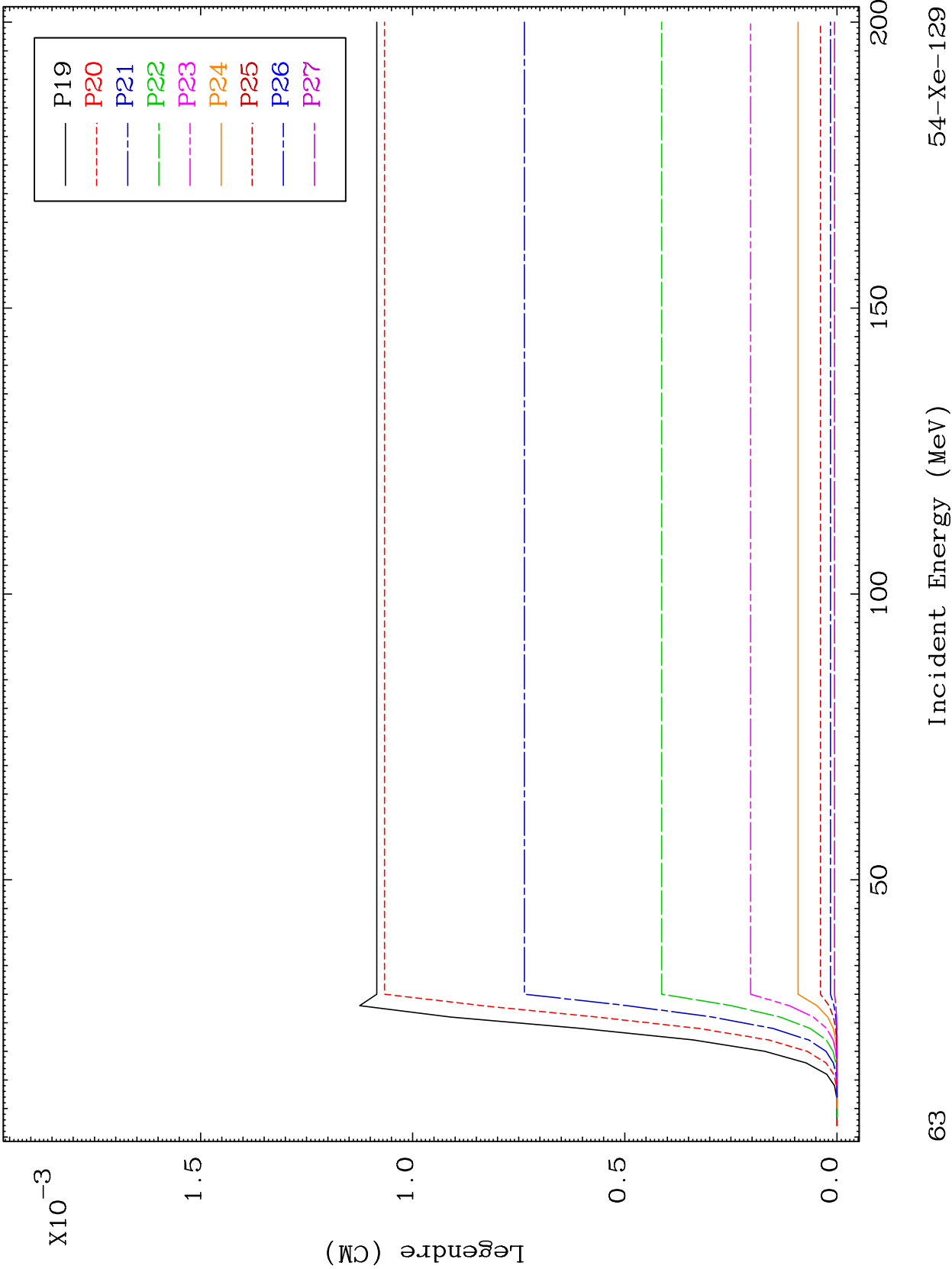
Incident Energy (MeV)

62

MAT 5440

624.4 keV (n,n') Level
Legendre Coefficients

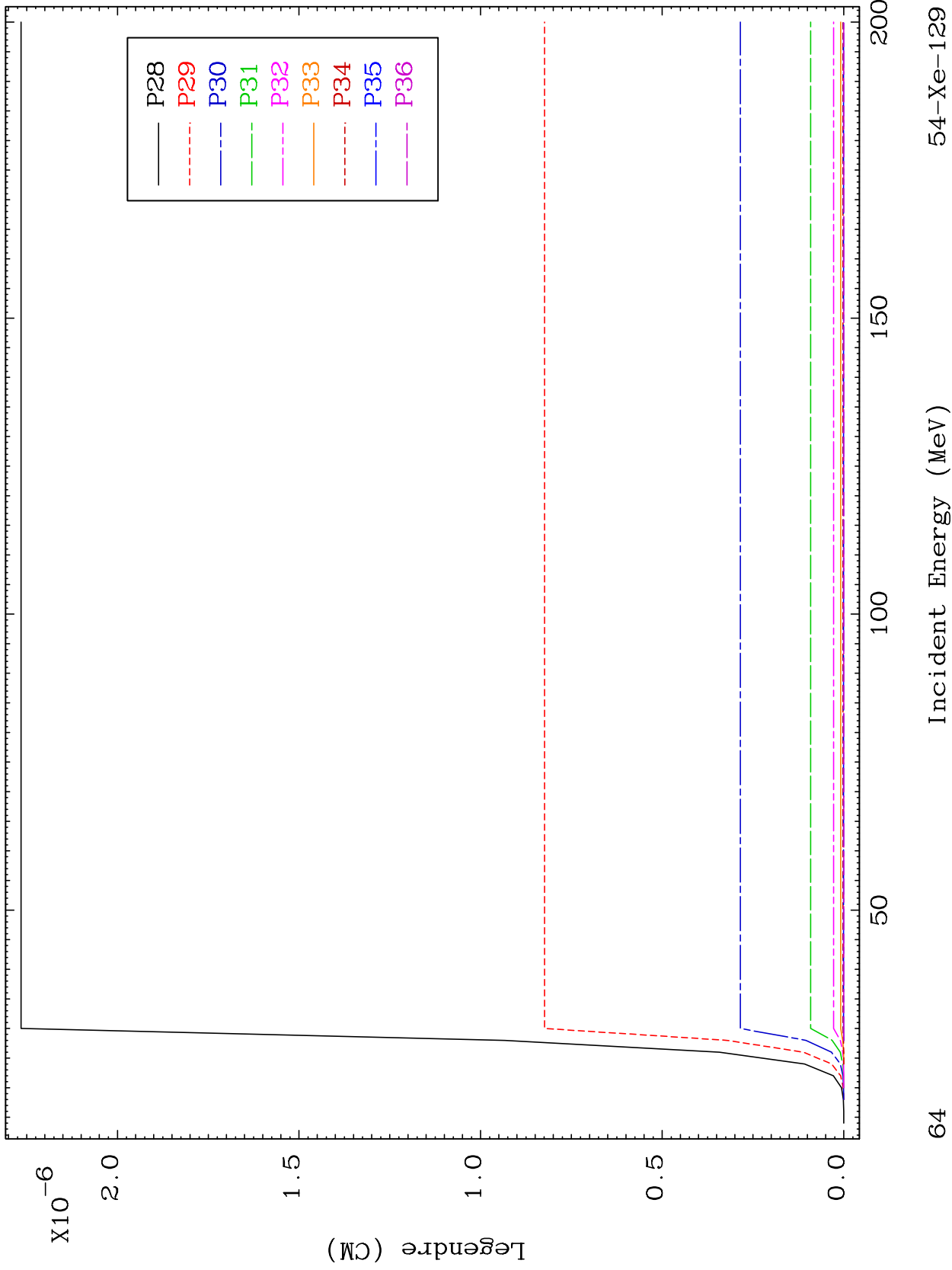
54-Xe-129



MAT 5440

624.4 keV (n,n') Level
Legendre Coefficients

54-Xe-129



64

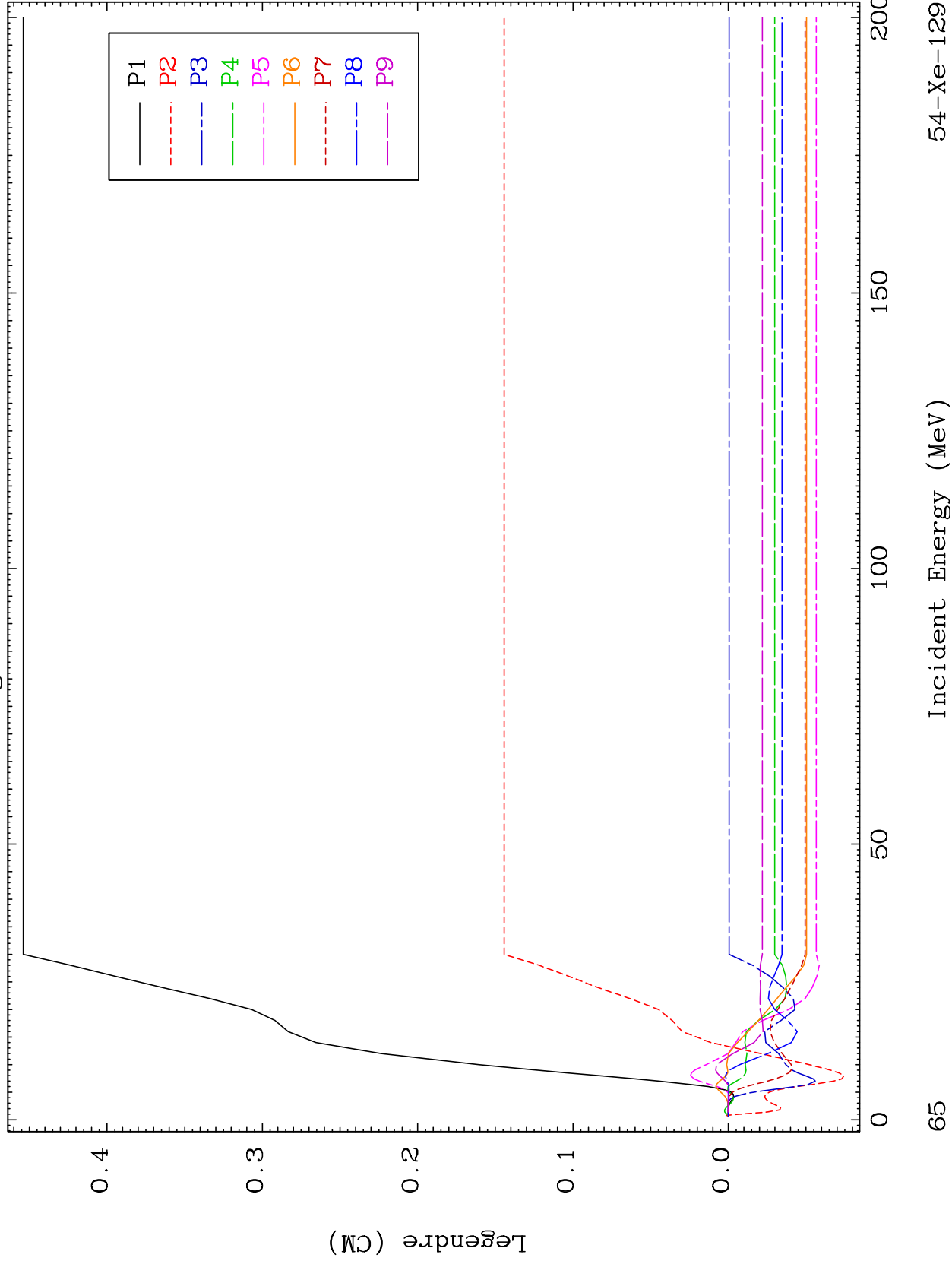
Incident Energy (MeV)

54-Xe-129

MAT 5440

665.4 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

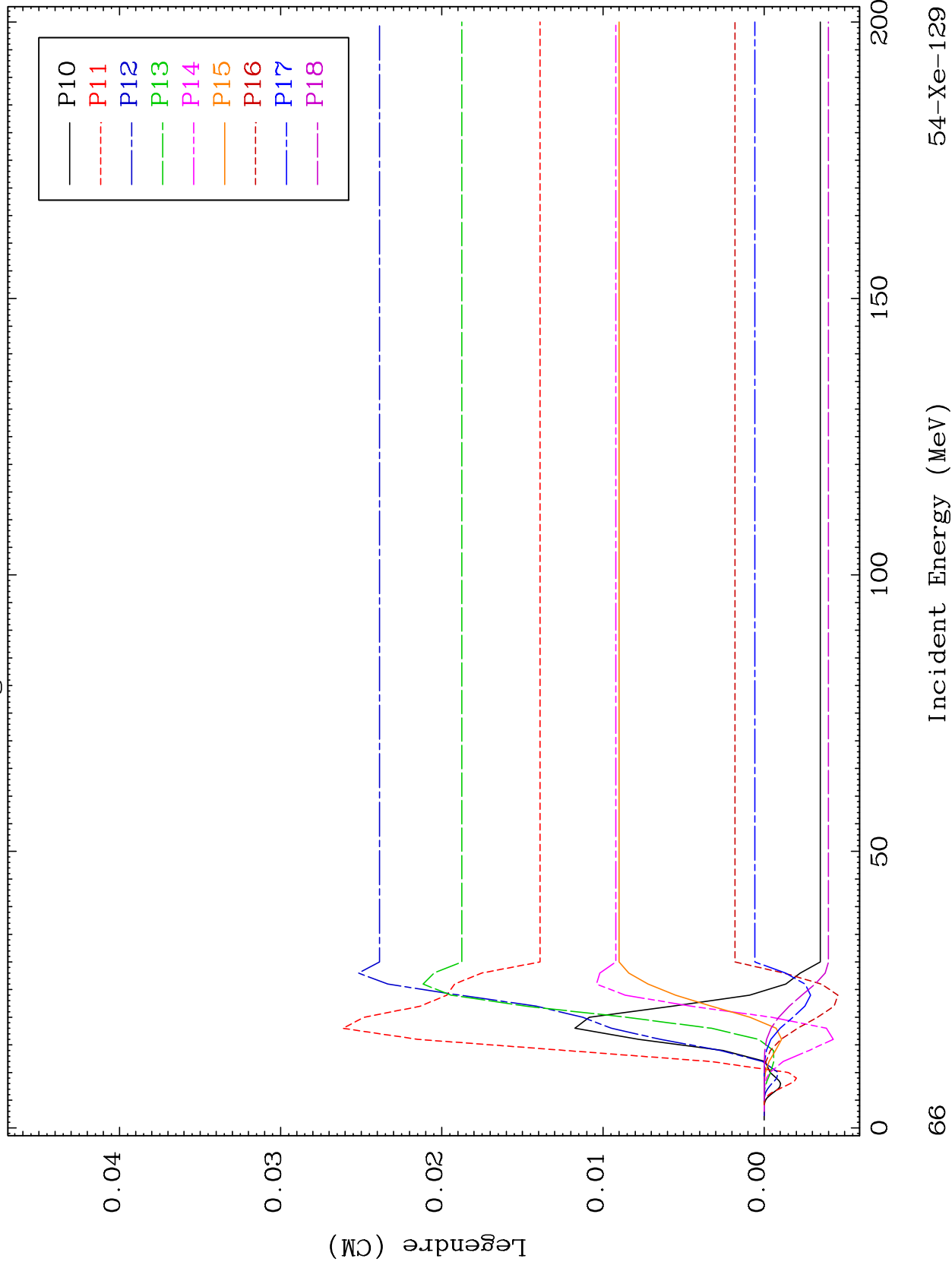
Incident Energy (MeV)

65

MAT 5440

665.4 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

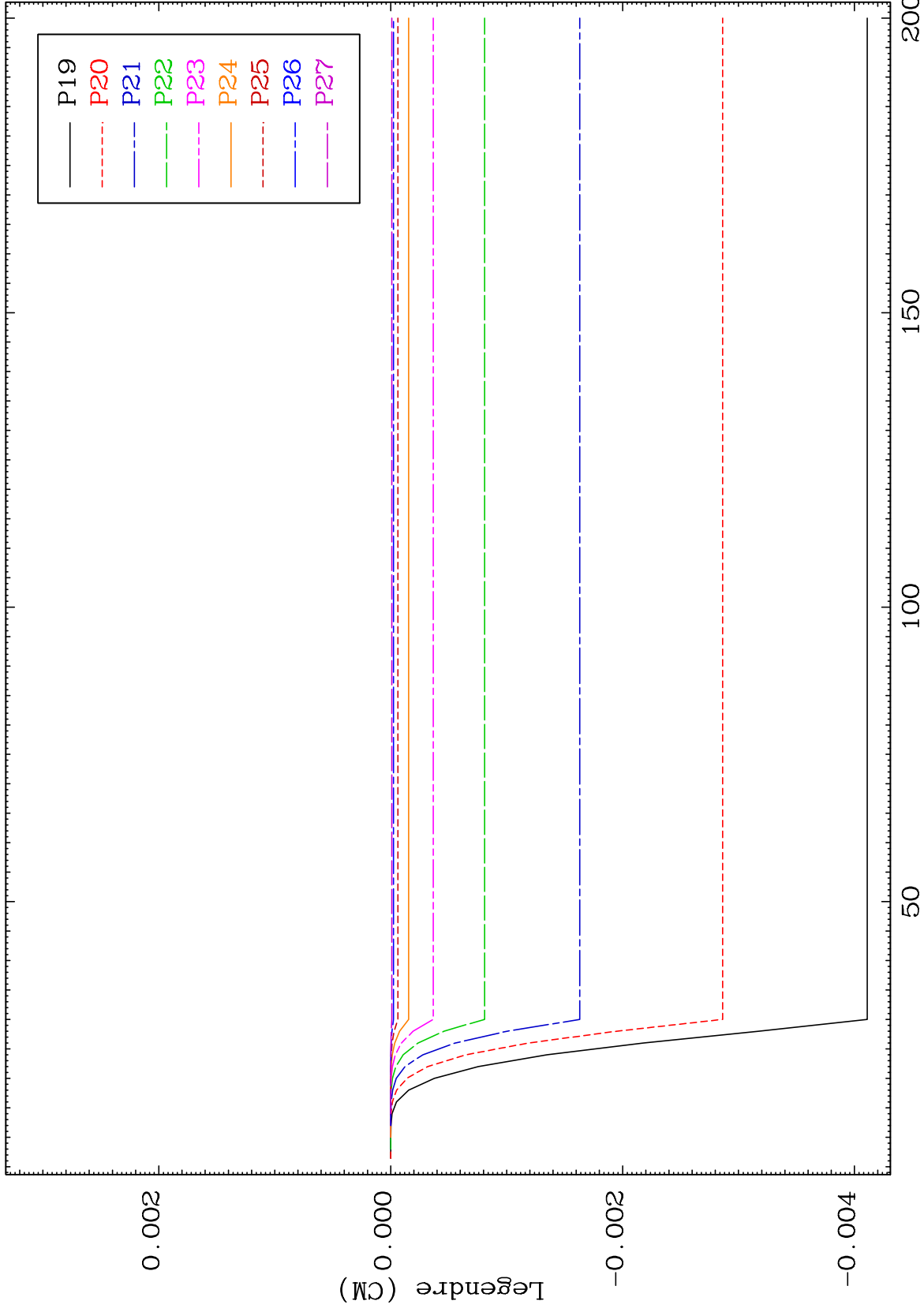
Incident Energy (MeV)

66

MAT 5440

665.4 keV (n,n') Level
Legendre Coefficients

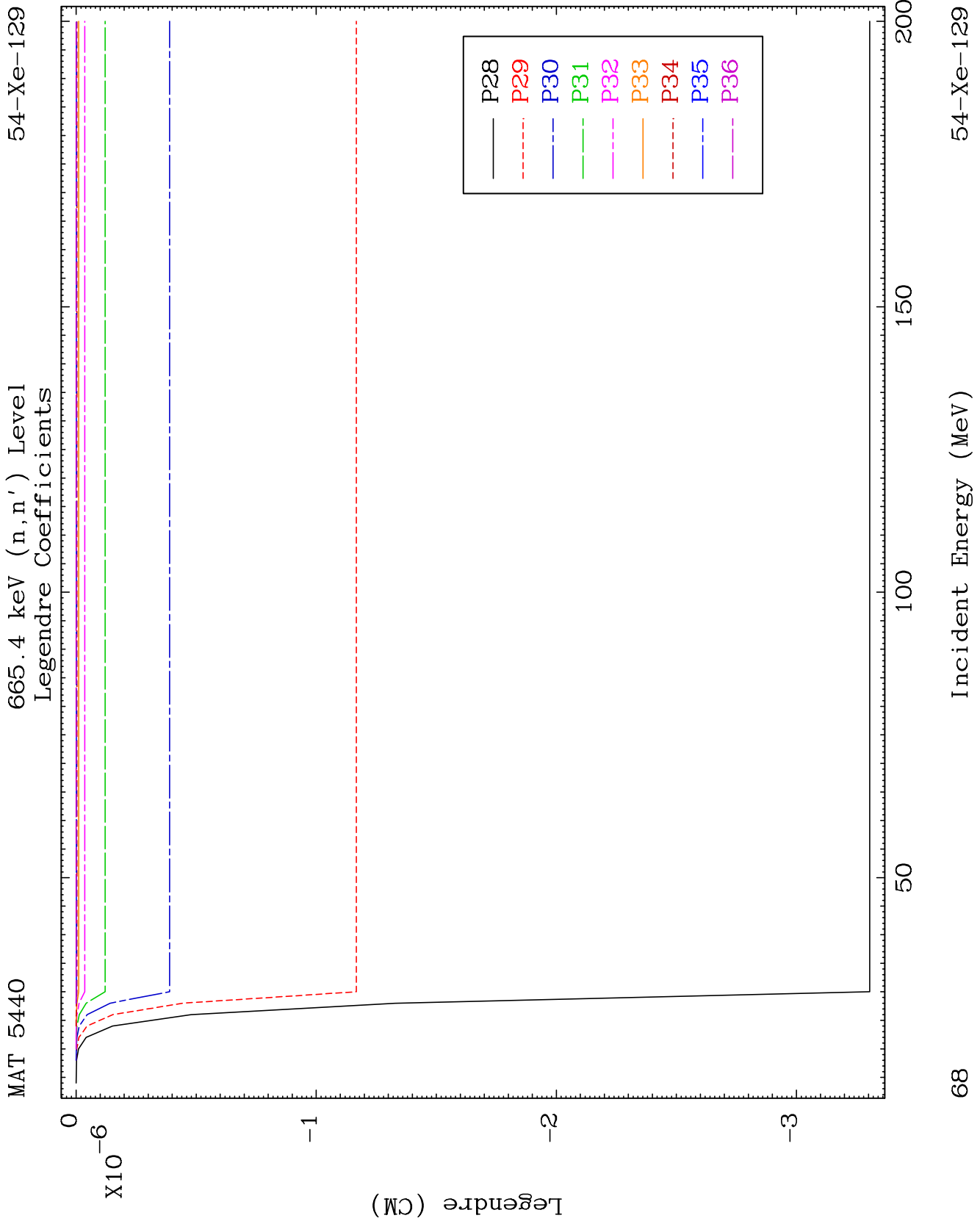
54-Xe-129



67

Incident Energy (MeV)

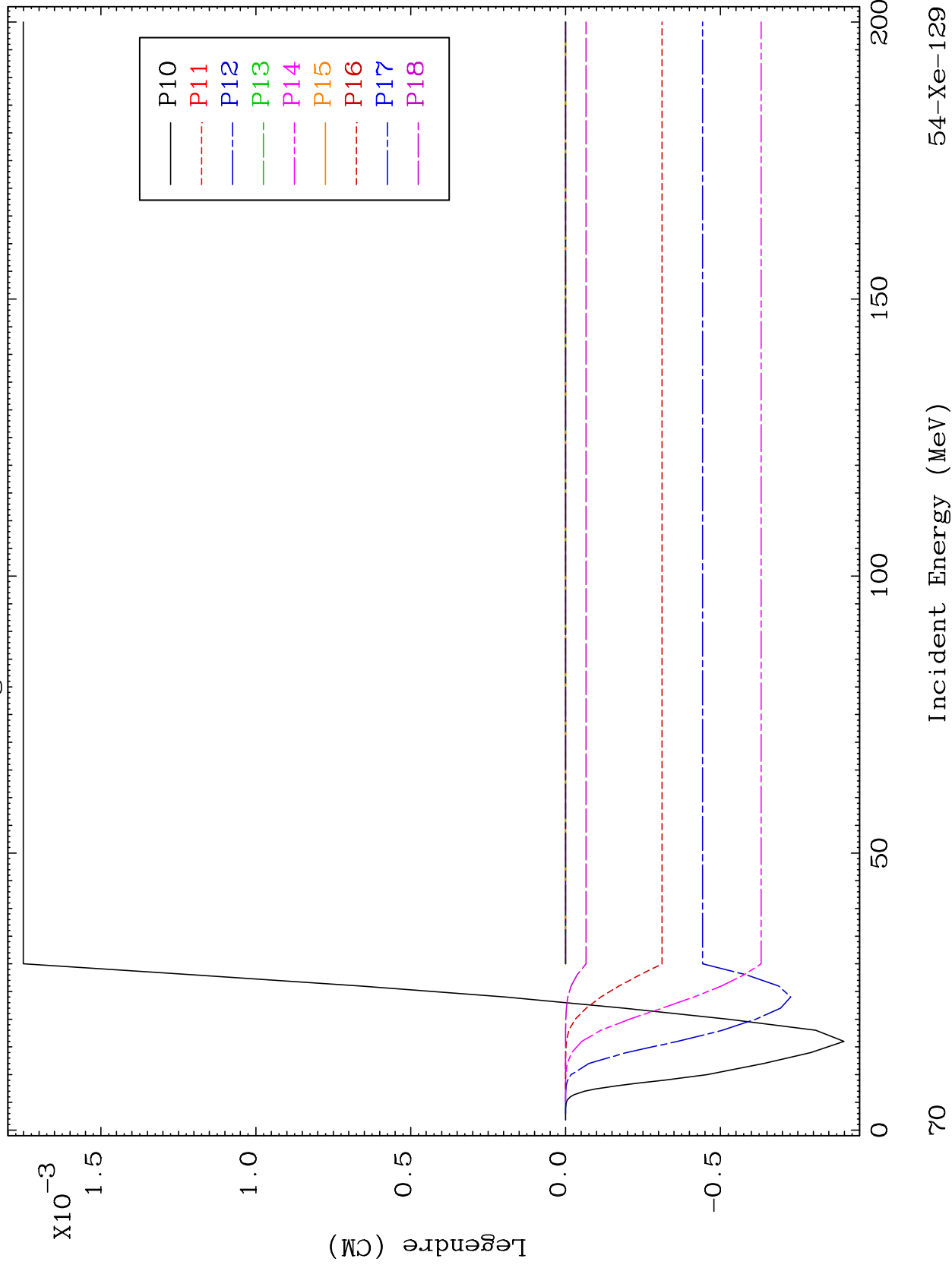
54-Xe-129



MAT 5440

693.0 keV (n,n') Level
Legendre Coefficients

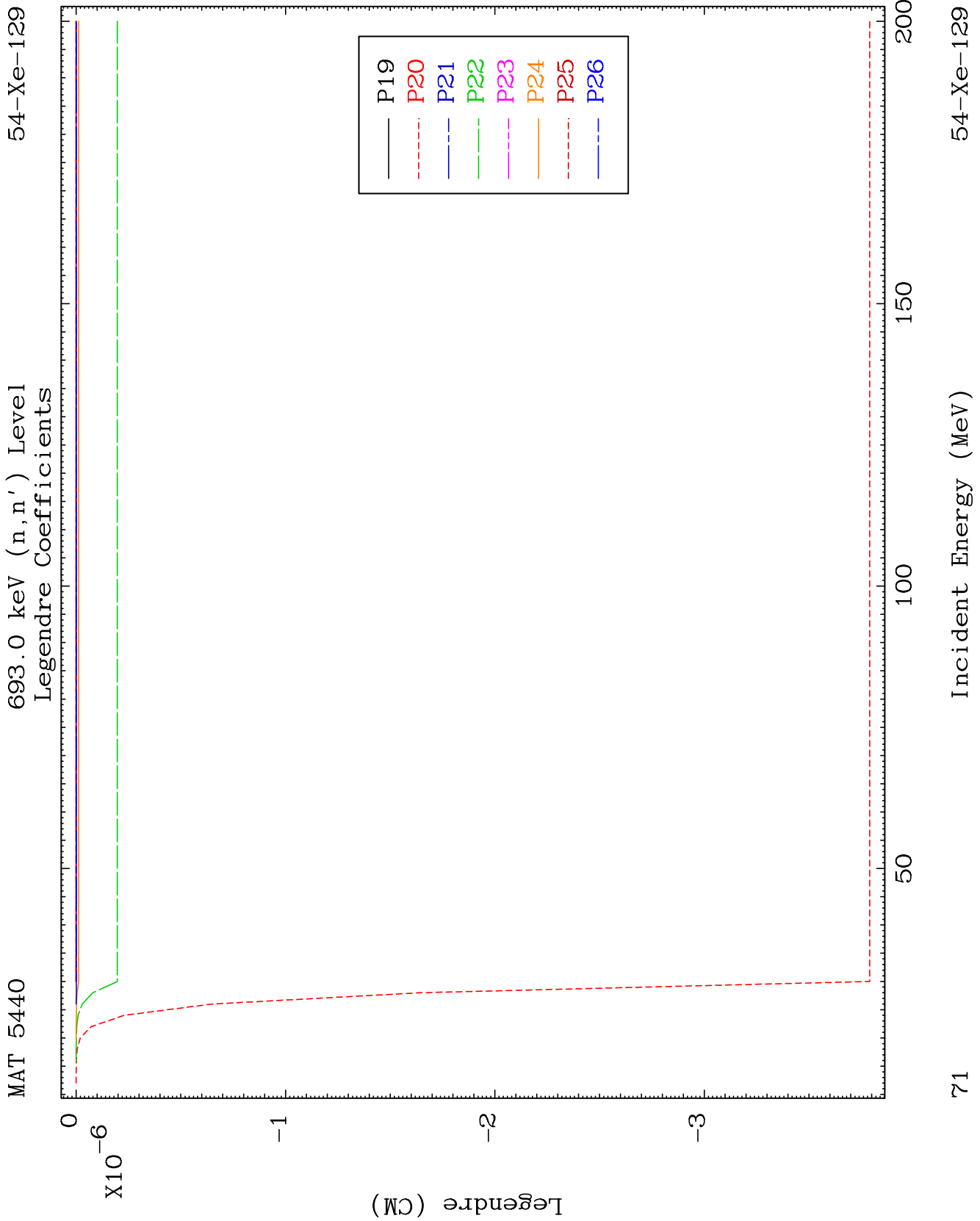
54-Xe-129



54-Xe-129

Incident Energy (MeV)

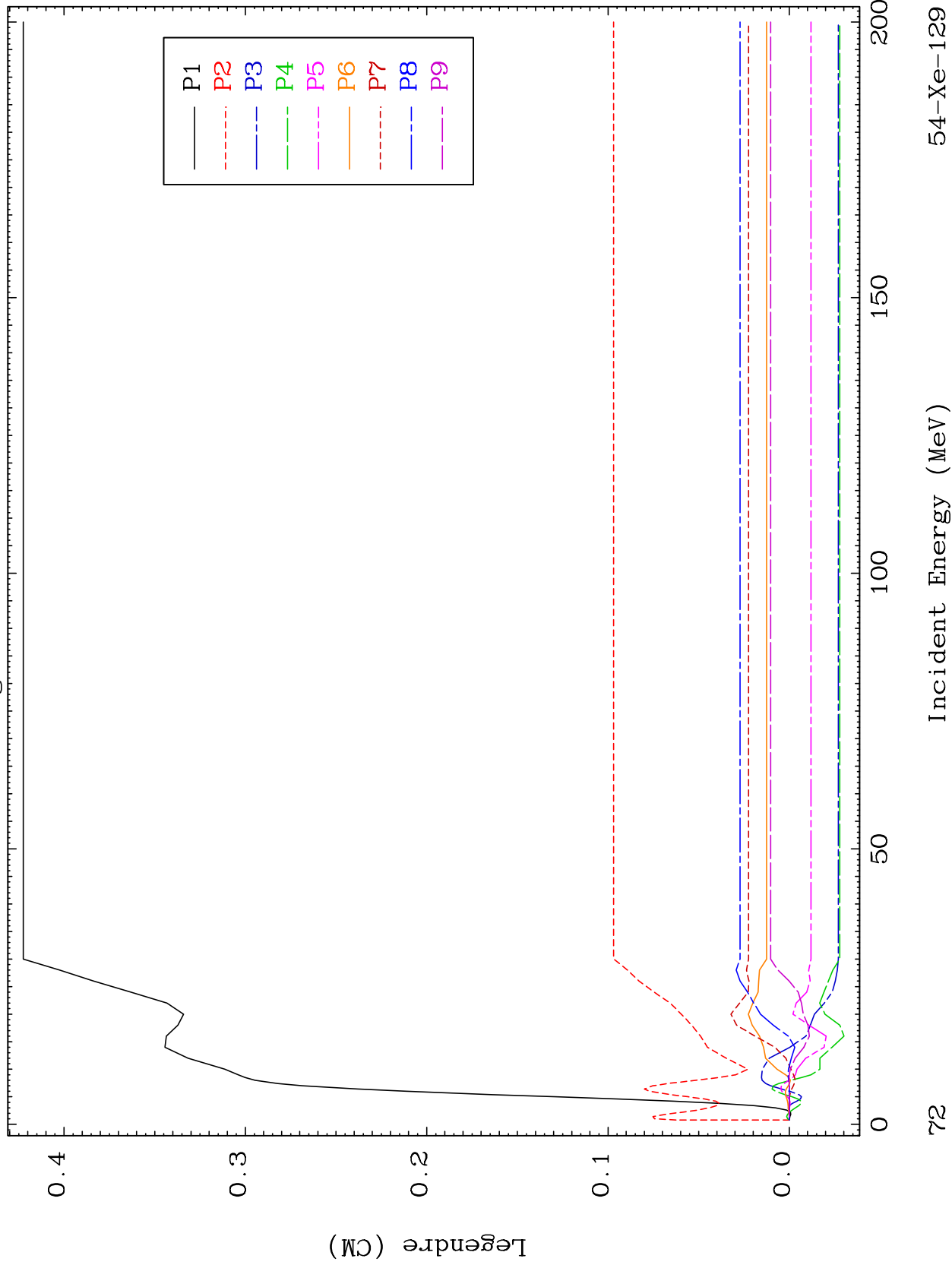
70



MAT 5440

771.1 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

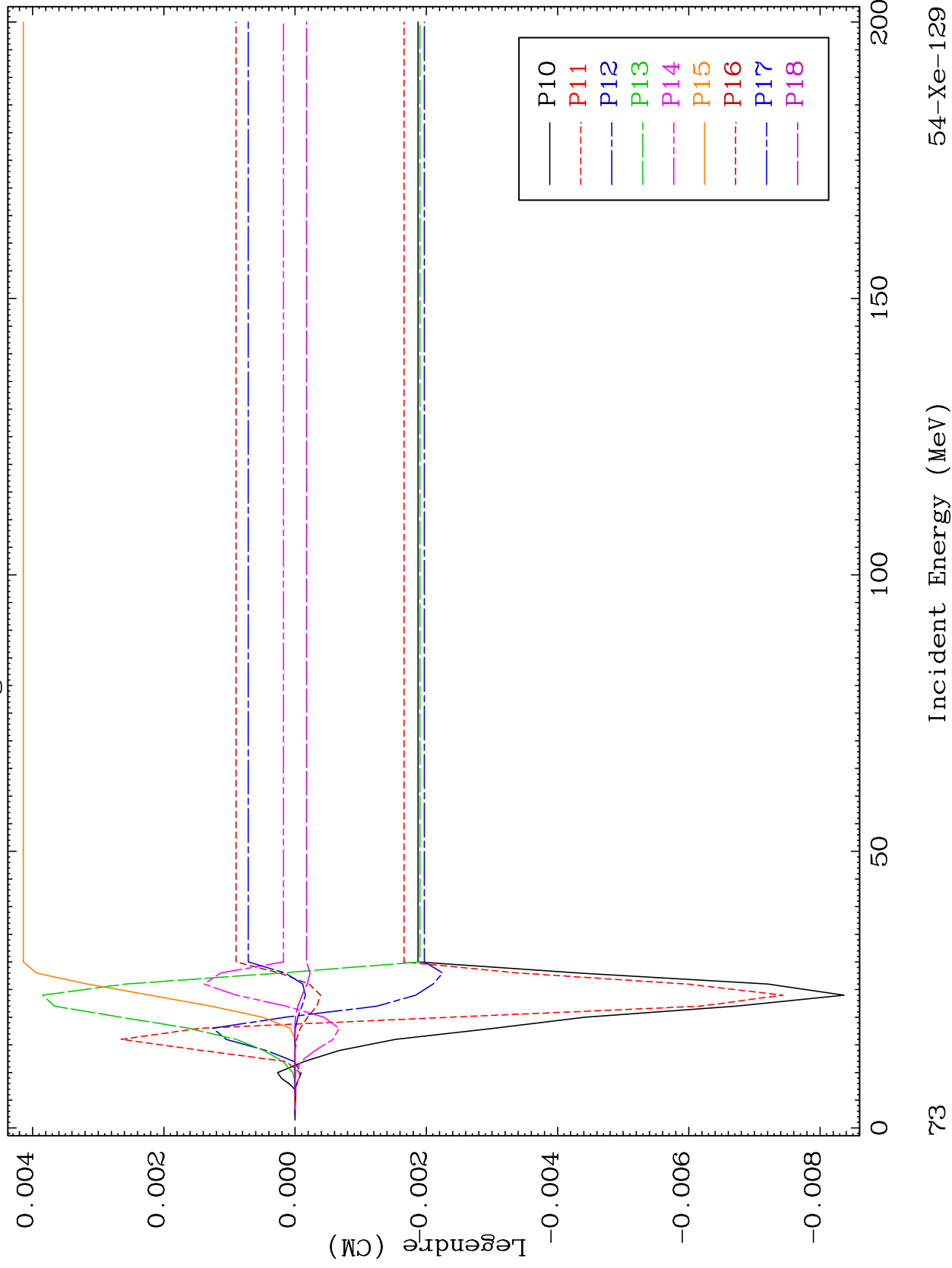
Incident Energy (MeV)

72

MAT 5440

771.1 keV (n,n') Level
Legendre Coefficients

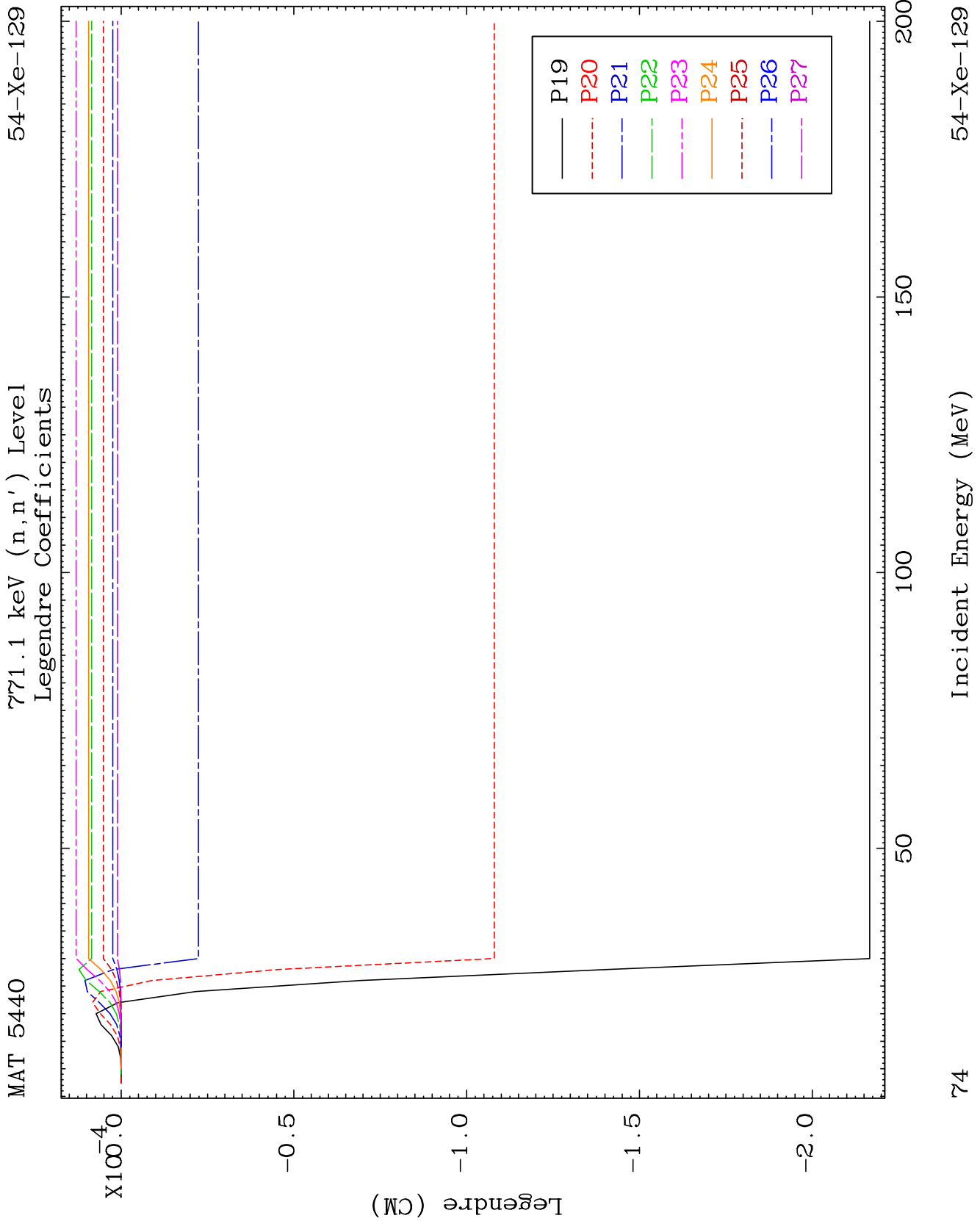
54-Xe-129



73

Incident Energy (MeV)

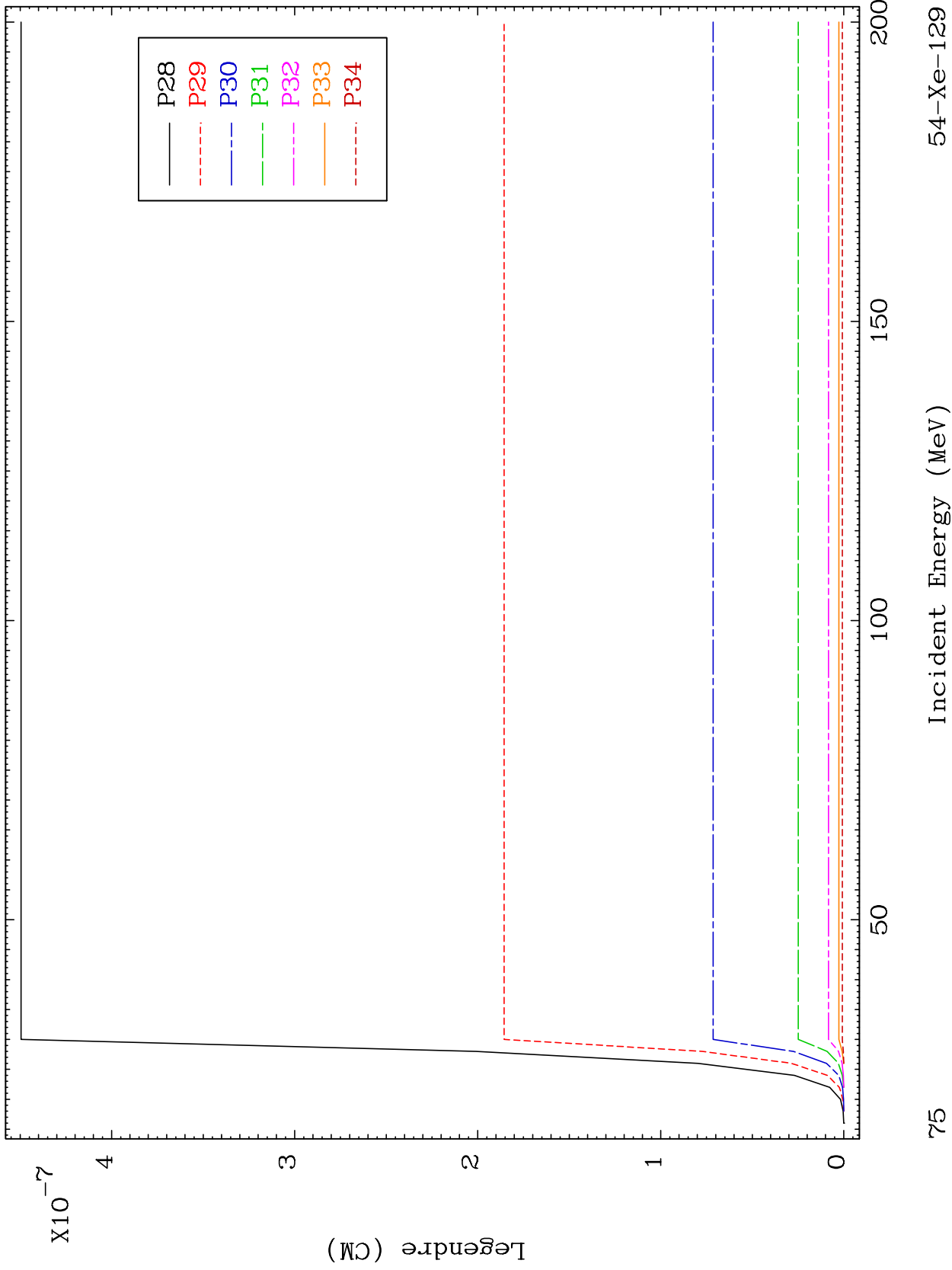
54-Xe-129



MAT 5440

771.1 keV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

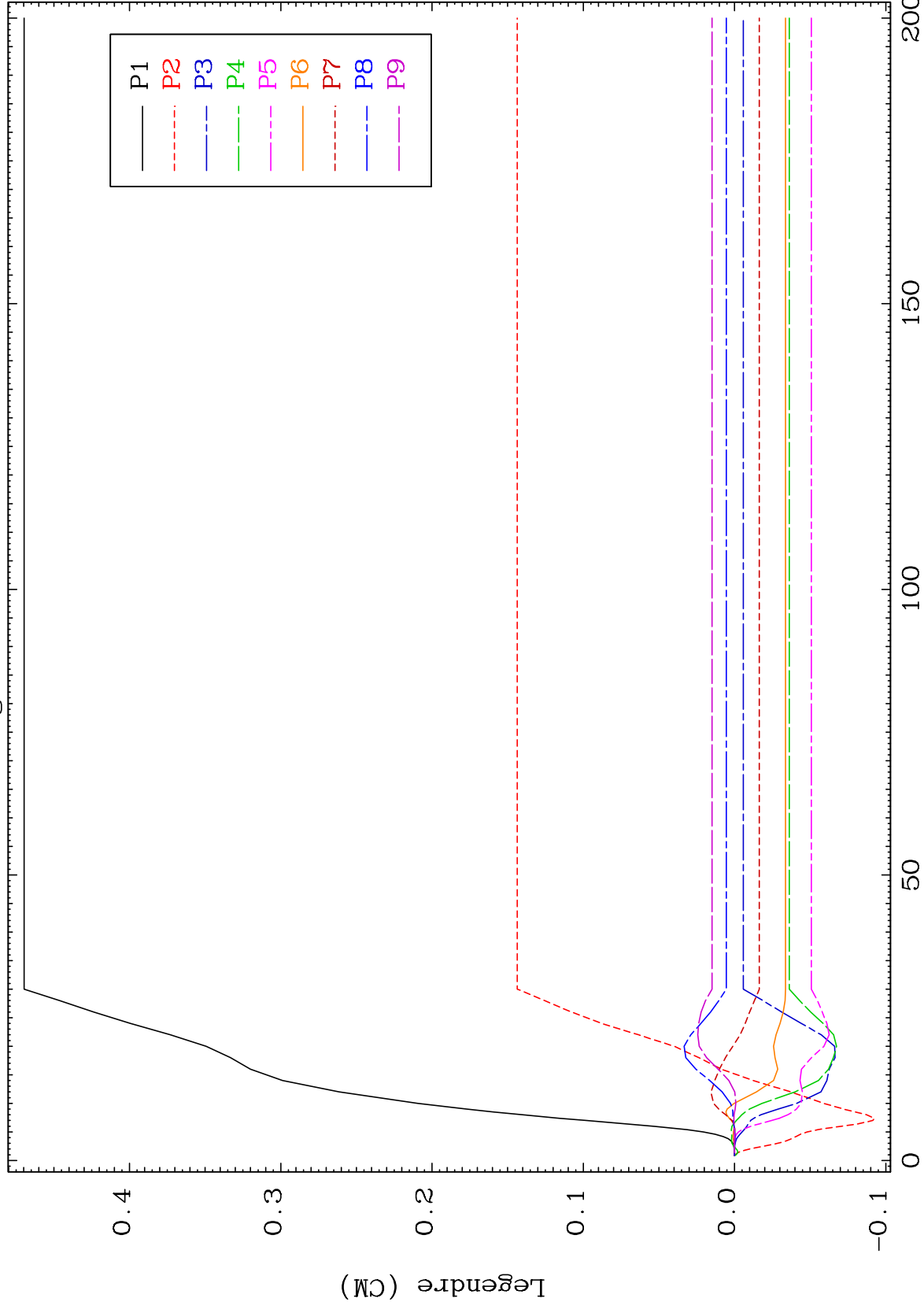
Incident Energy (MeV)

75

MAT 5440

822.2 keV (n,n') Level
Legendre Coefficients

54-Xe-129



76

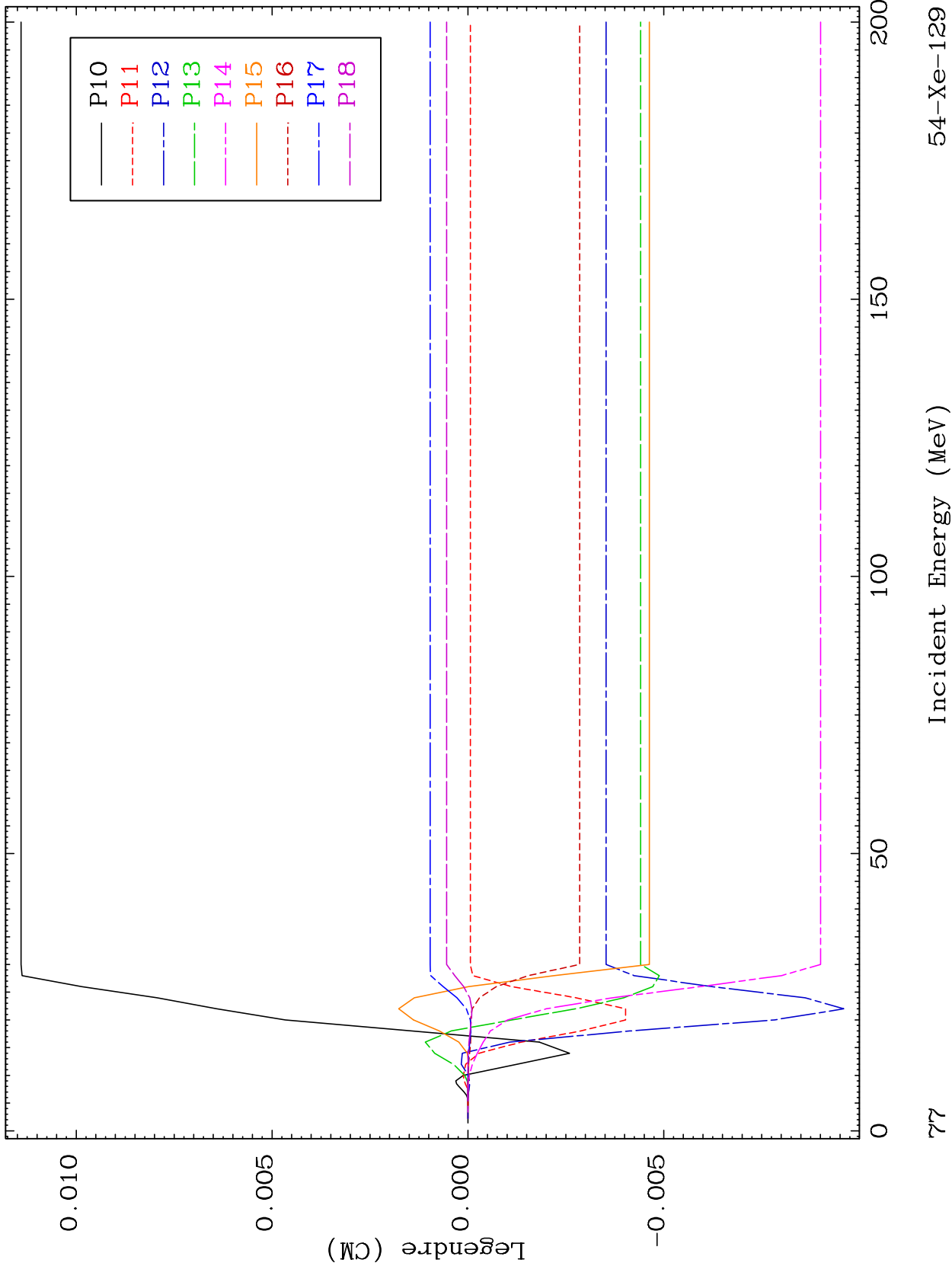
Incident Energy (MeV)

54-Xe-129

MAT 5440

822.2 keV (n,n') Level
Legendre Coefficients

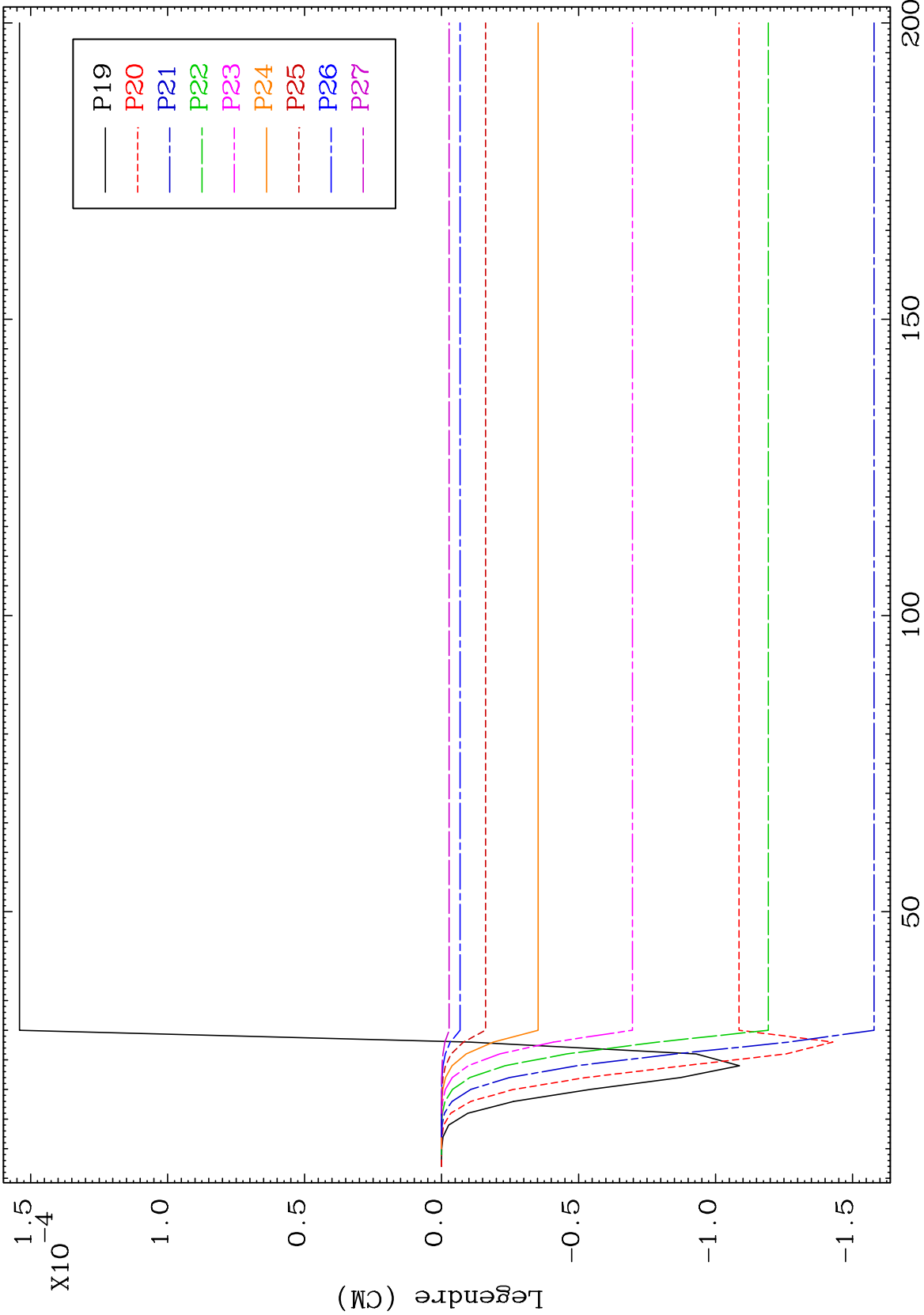
54-Xe-129

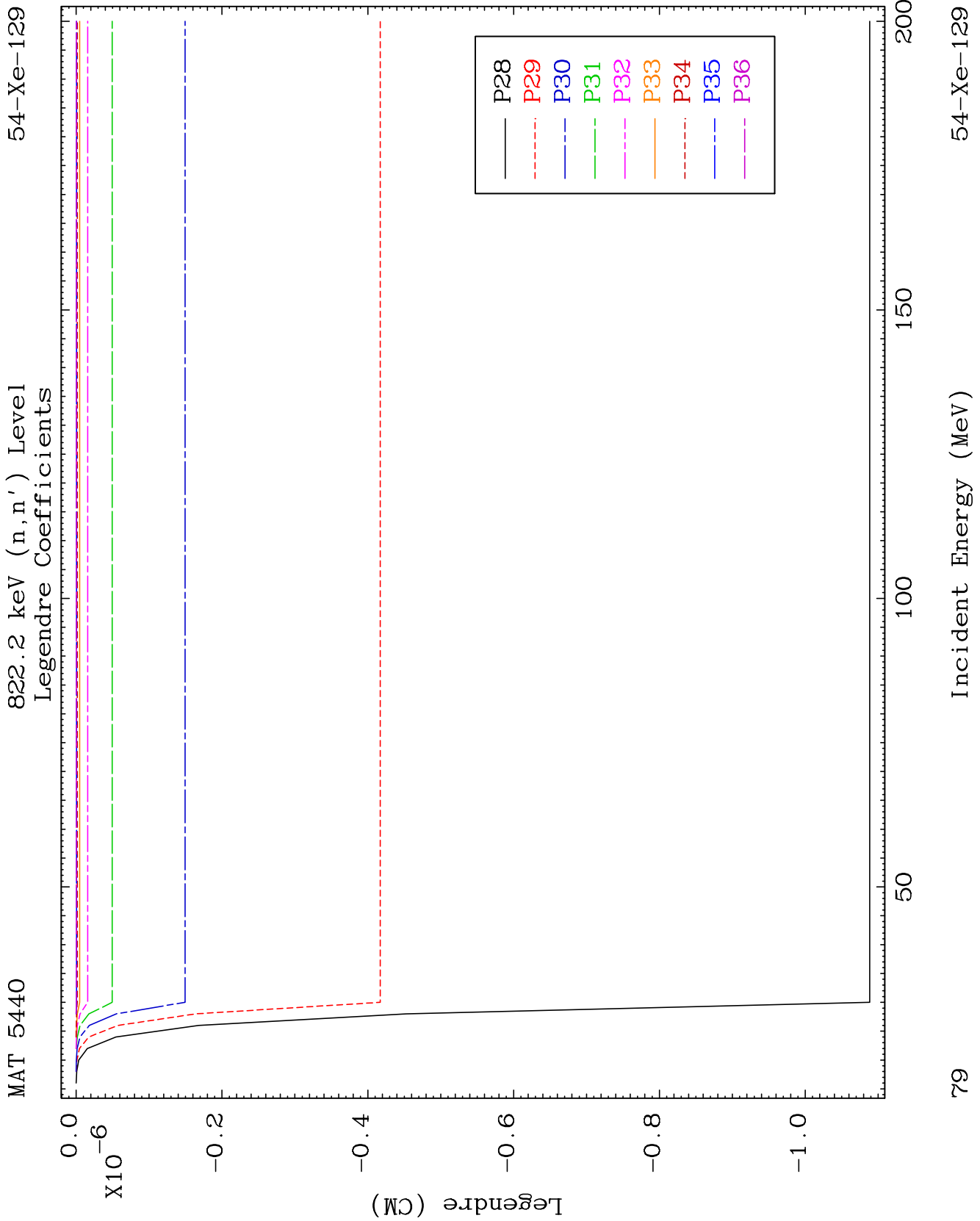


54-Xe-129

Incident Energy (MeV)

77

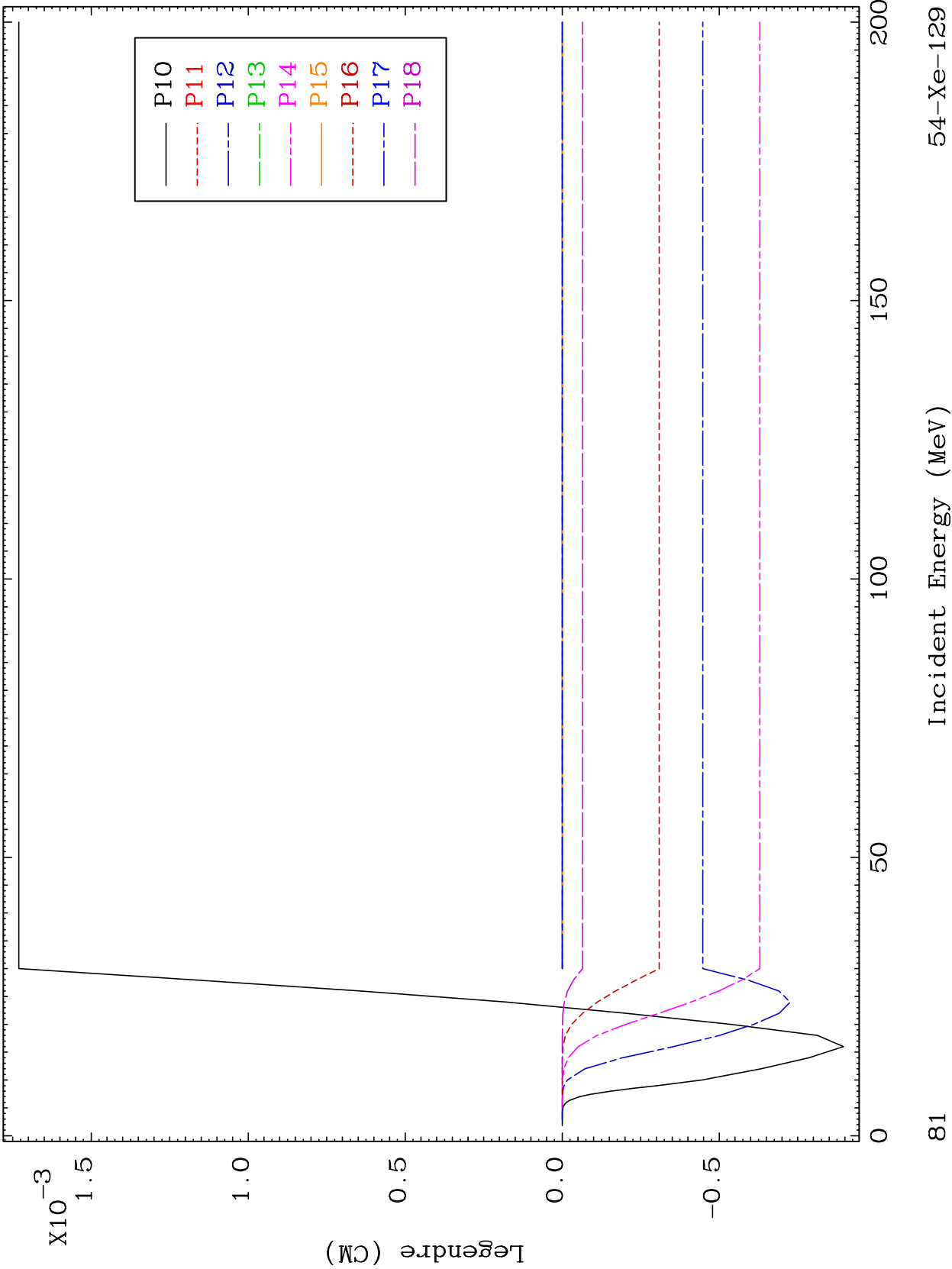




MAT 5440

834.4 keV (n,n') Level
Legendre Coefficients

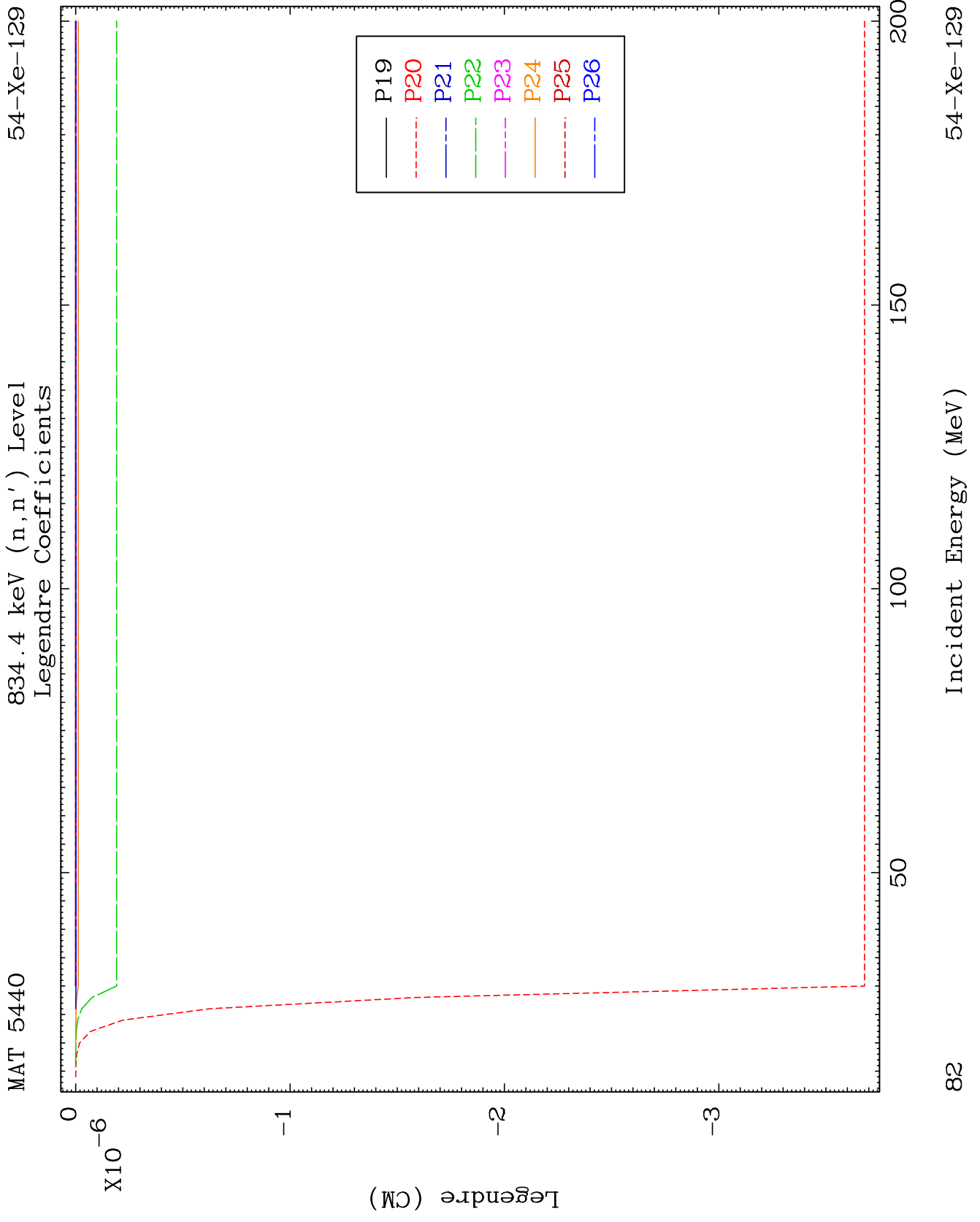
54-Xe-129

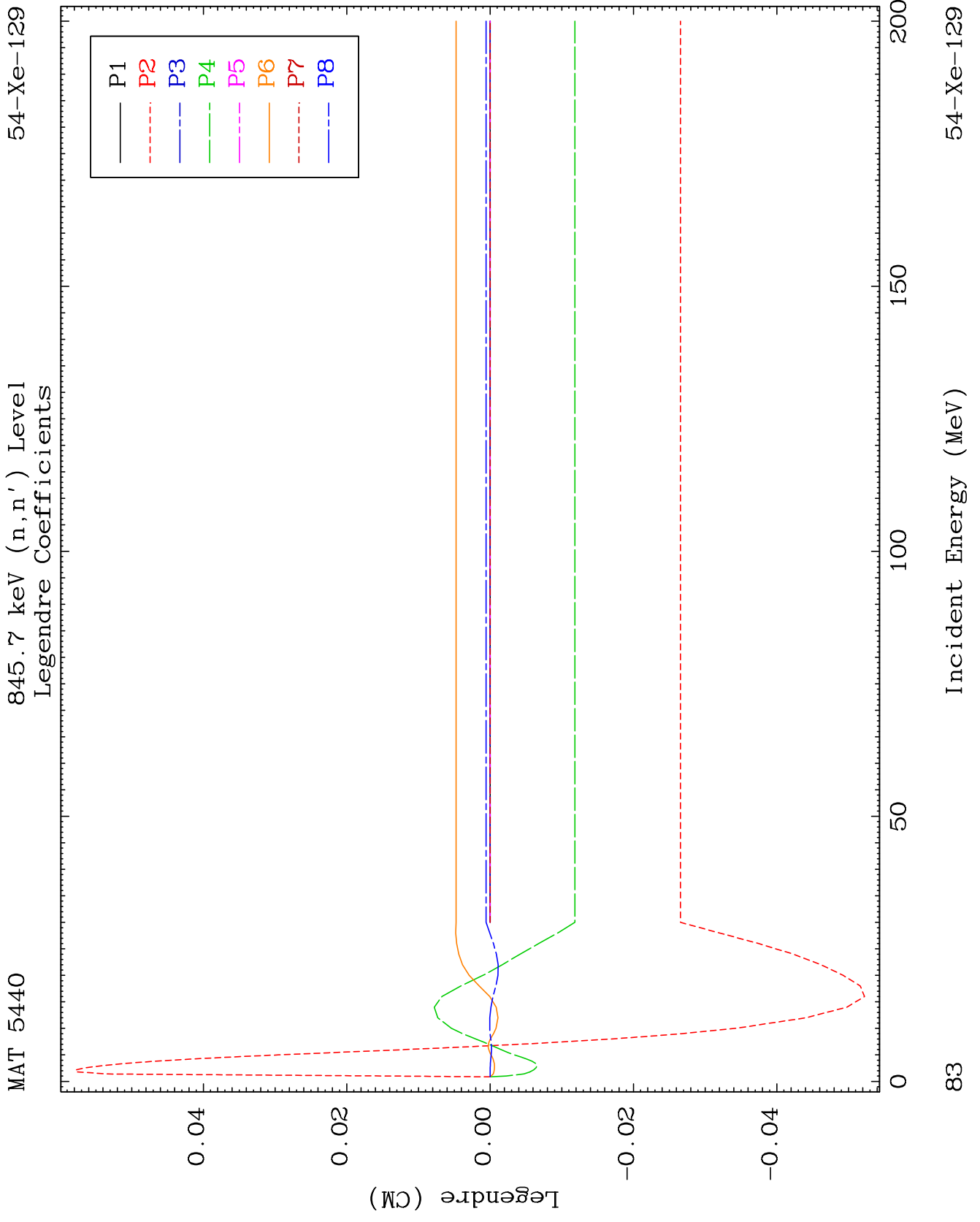


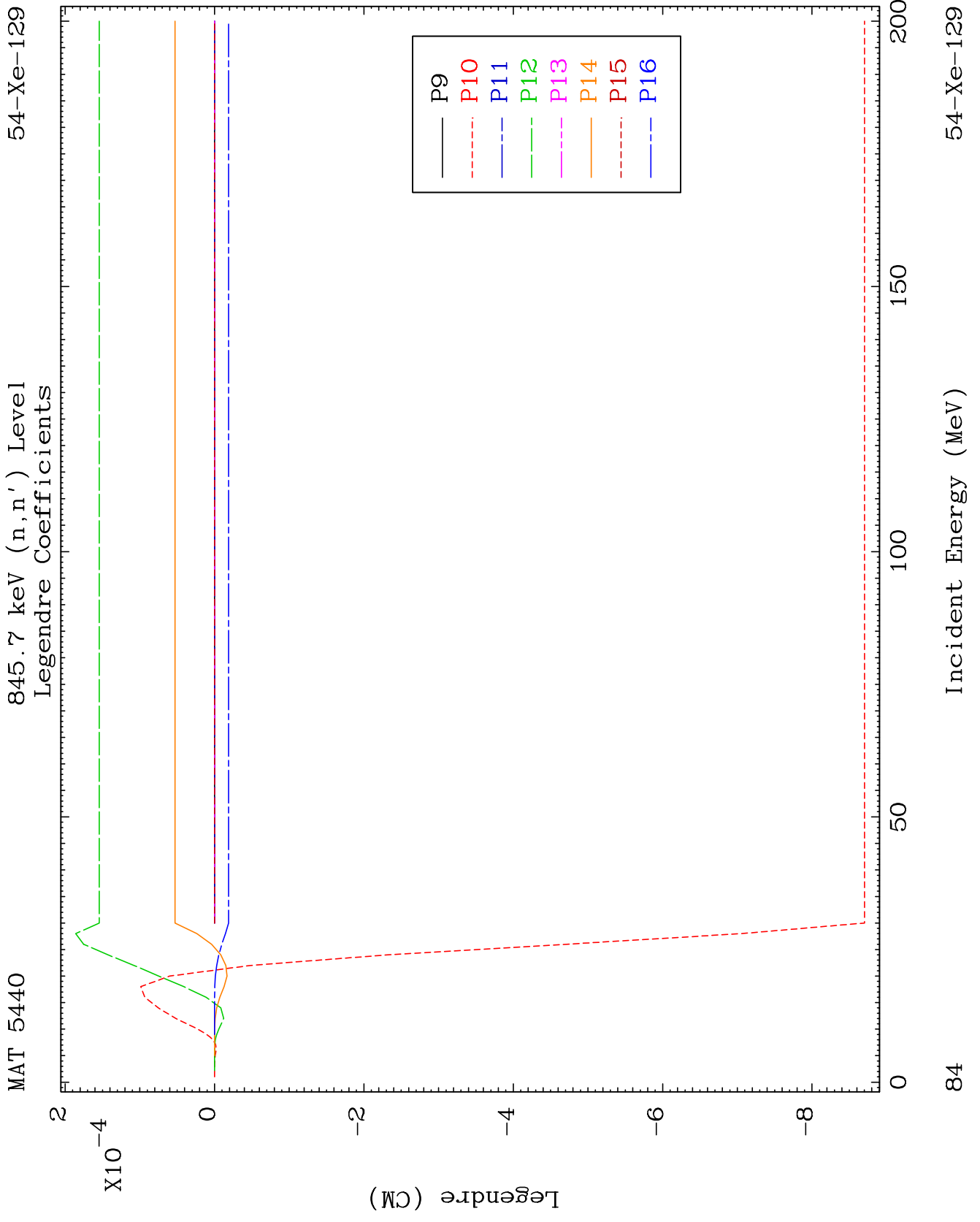
81

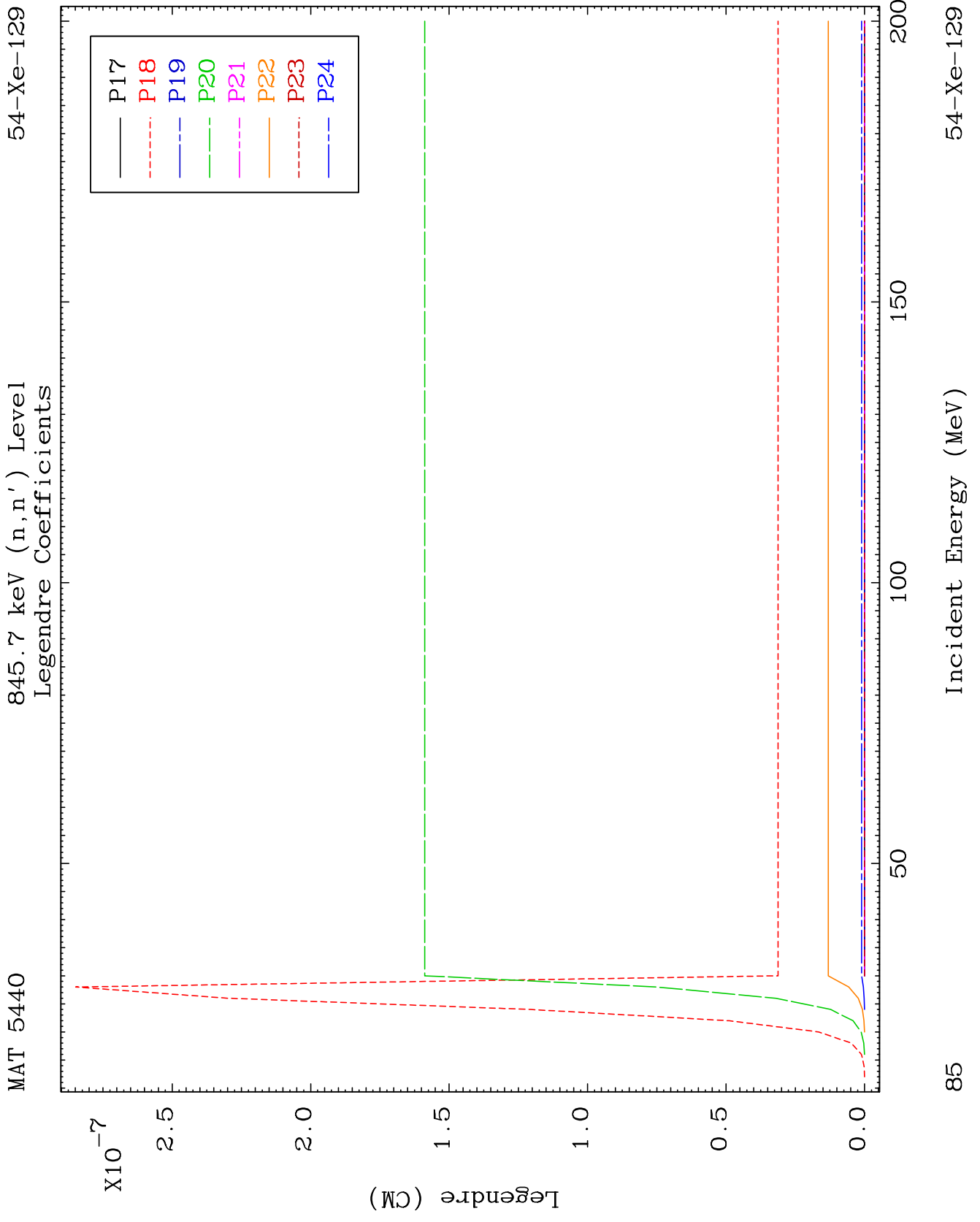
Incident Energy (MeV)

54-Xe-129





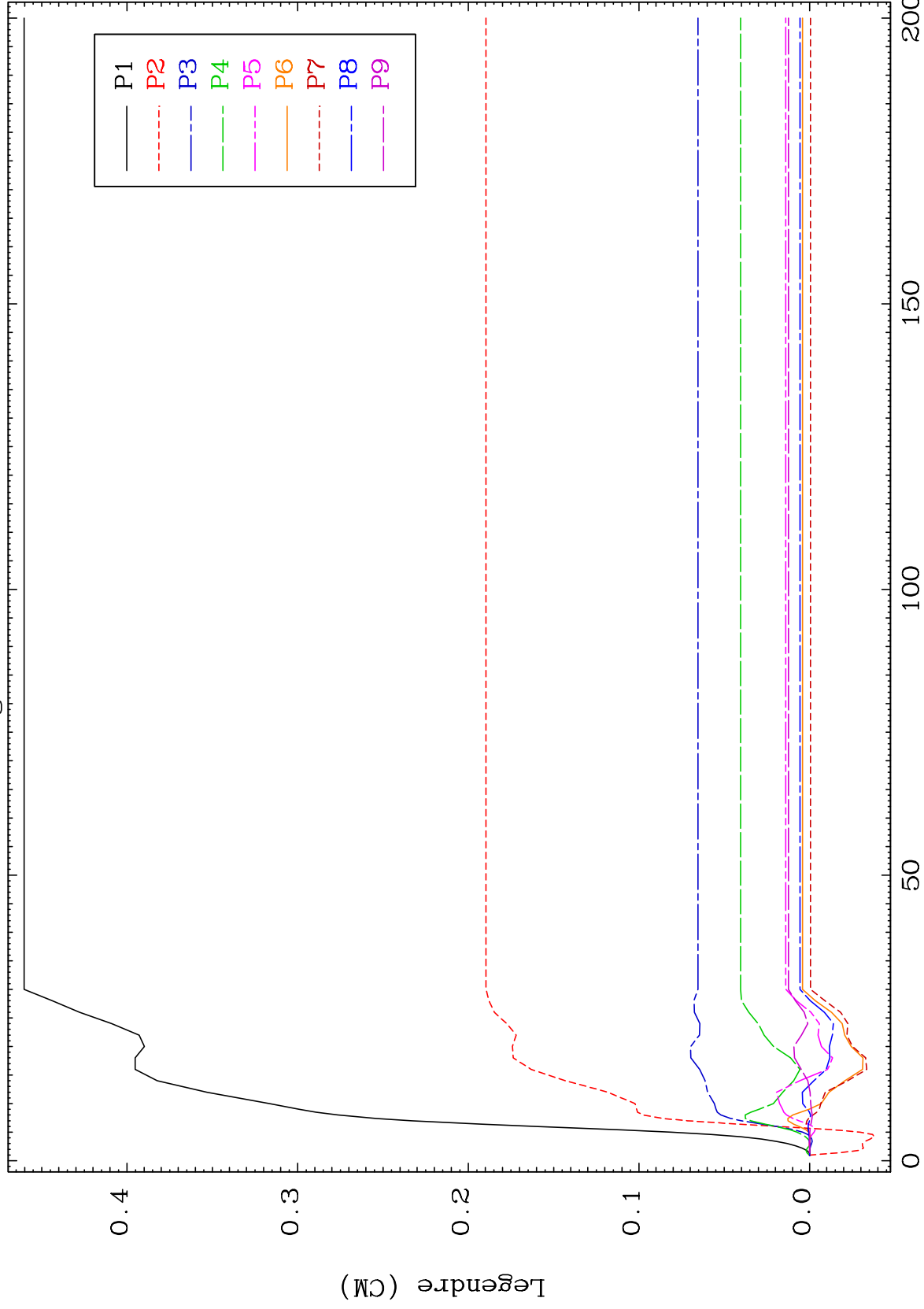




MAT 5440

868.0 keV (n,n') Level
Legendre Coefficients

54-Xe-129



86

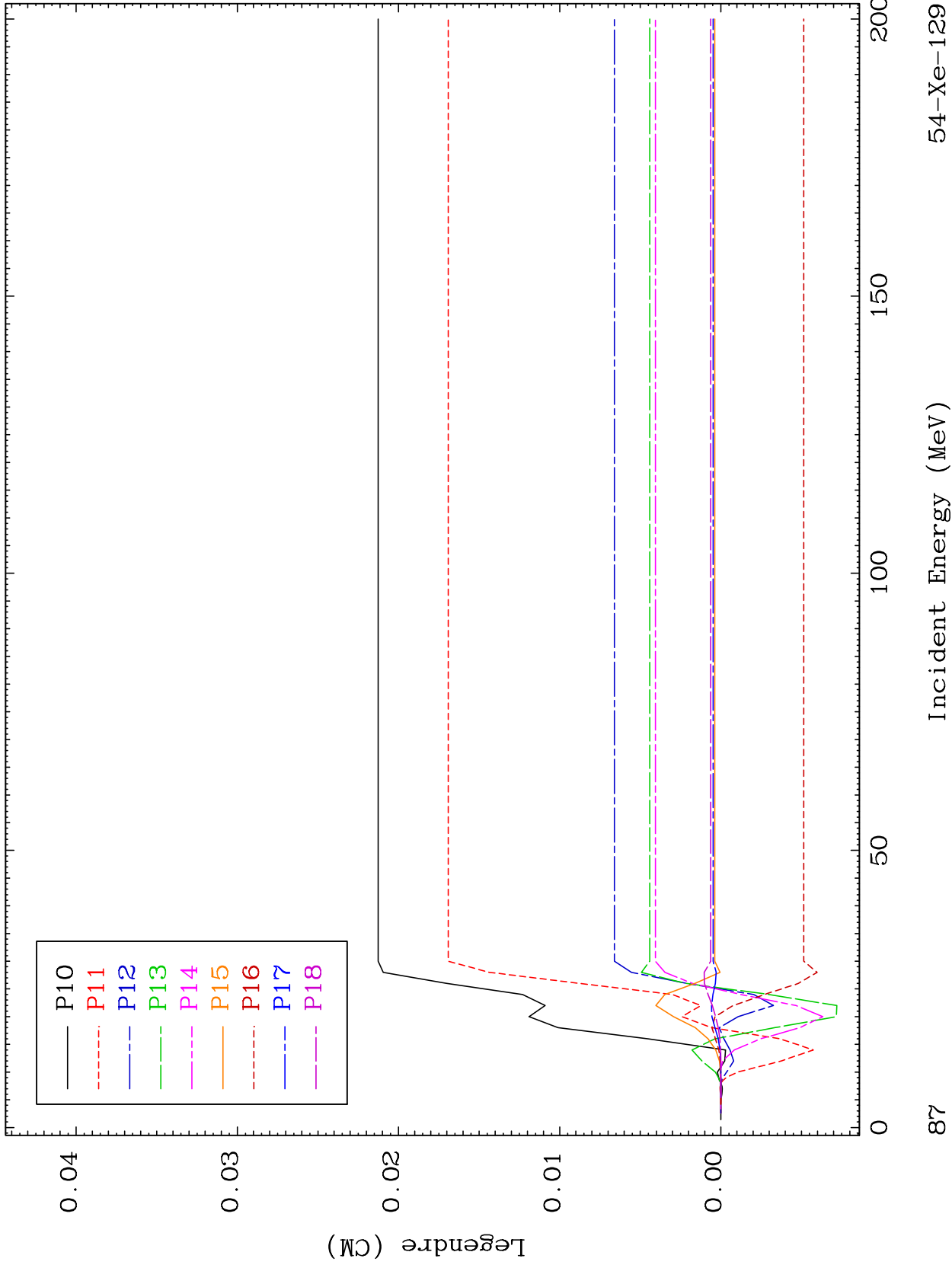
Incident Energy (MeV)

54-Xe-129

MAT 5440

868.0 keV (n,n') Level
Legendre Coefficients

54-Xe-129



87

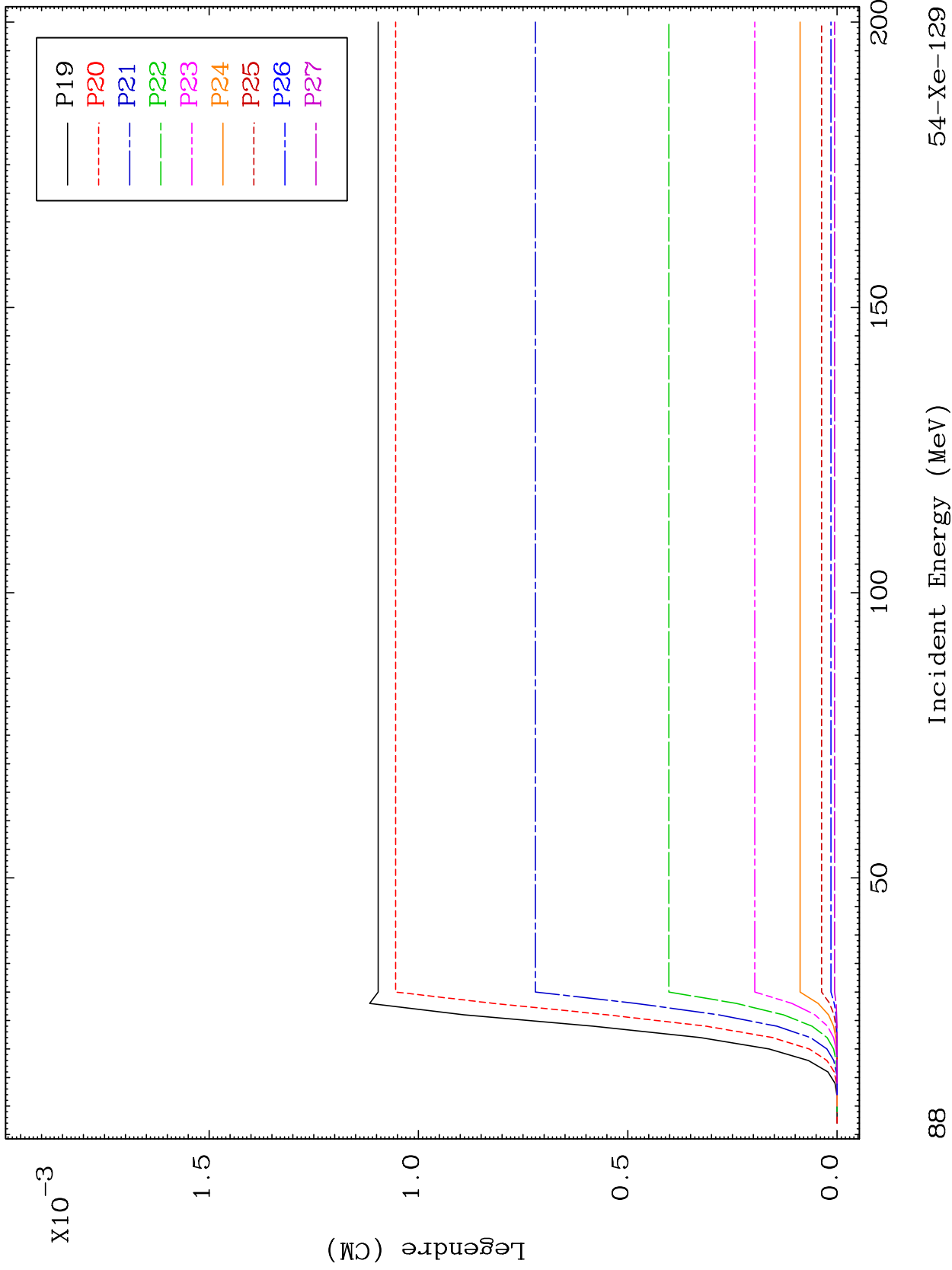
Incident Energy (MeV)

54-Xe-129

MAT 5440

868.0 keV (n,n') Level
Legendre Coefficients

54-Xe-129



88

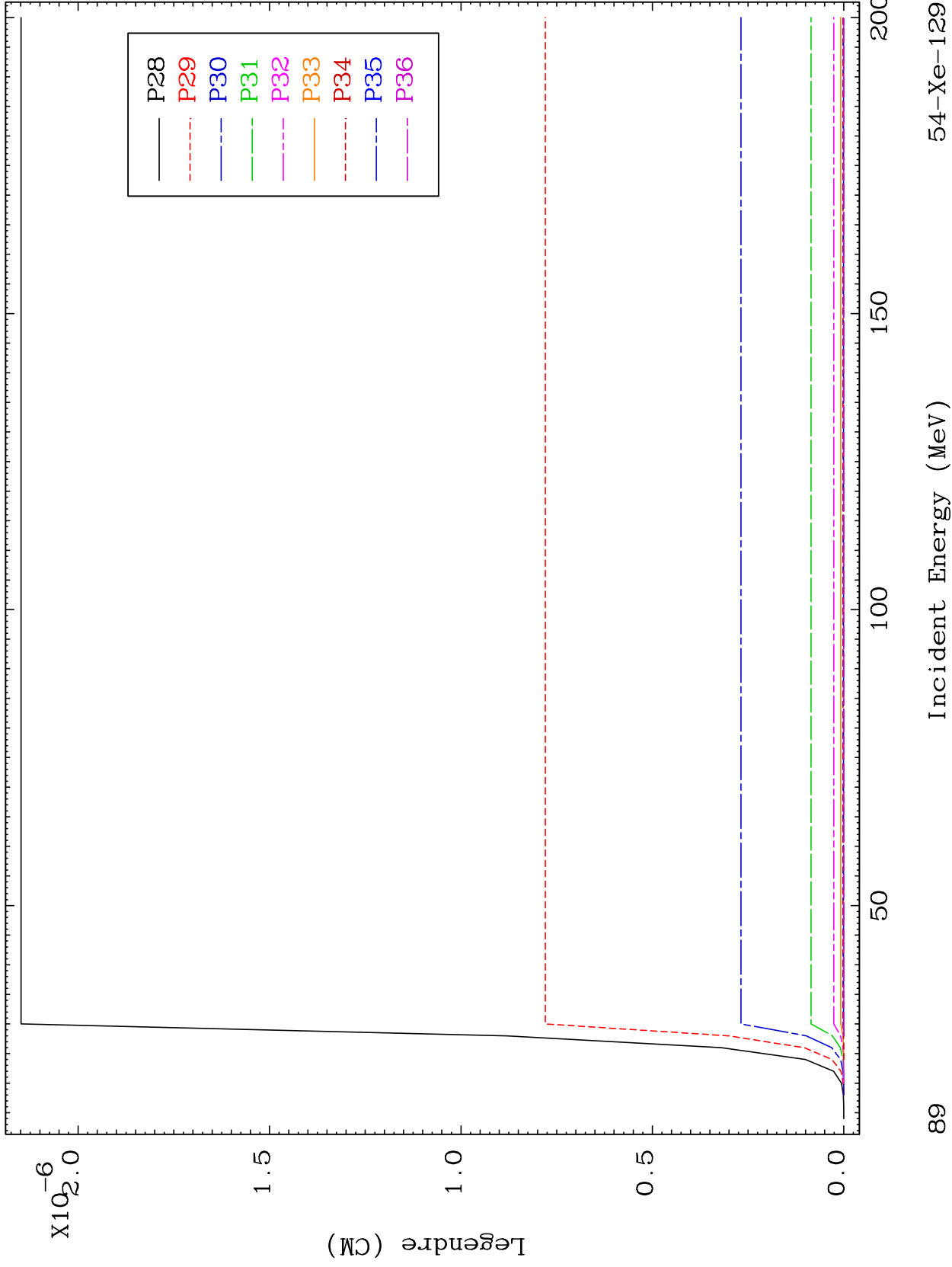
Incident Energy (MeV)

54-Xe-129

MAT 5440

868.0 keV (n,n') Level
Legendre Coefficients

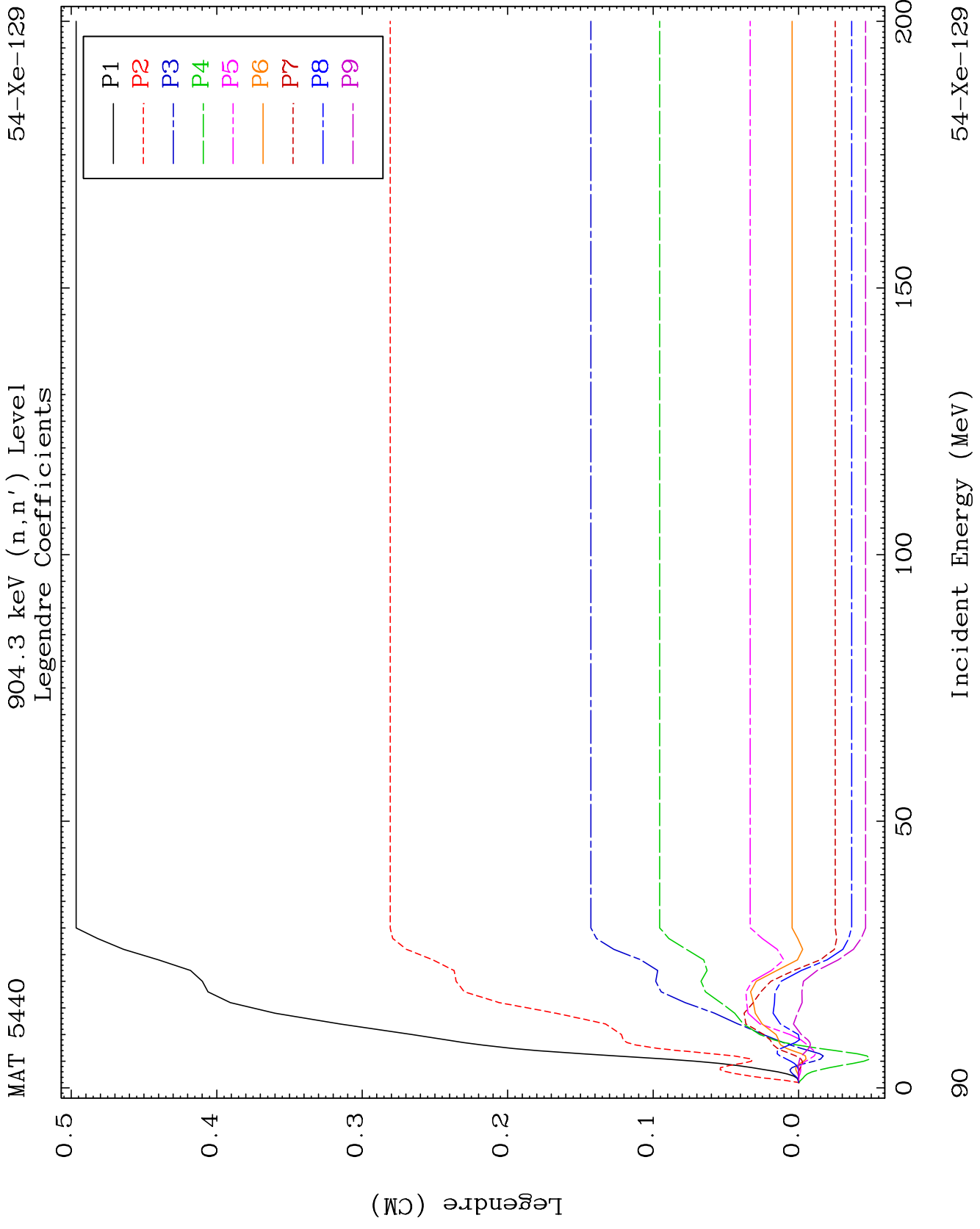
54-Xe-129



89

Incident Energy (MeV)

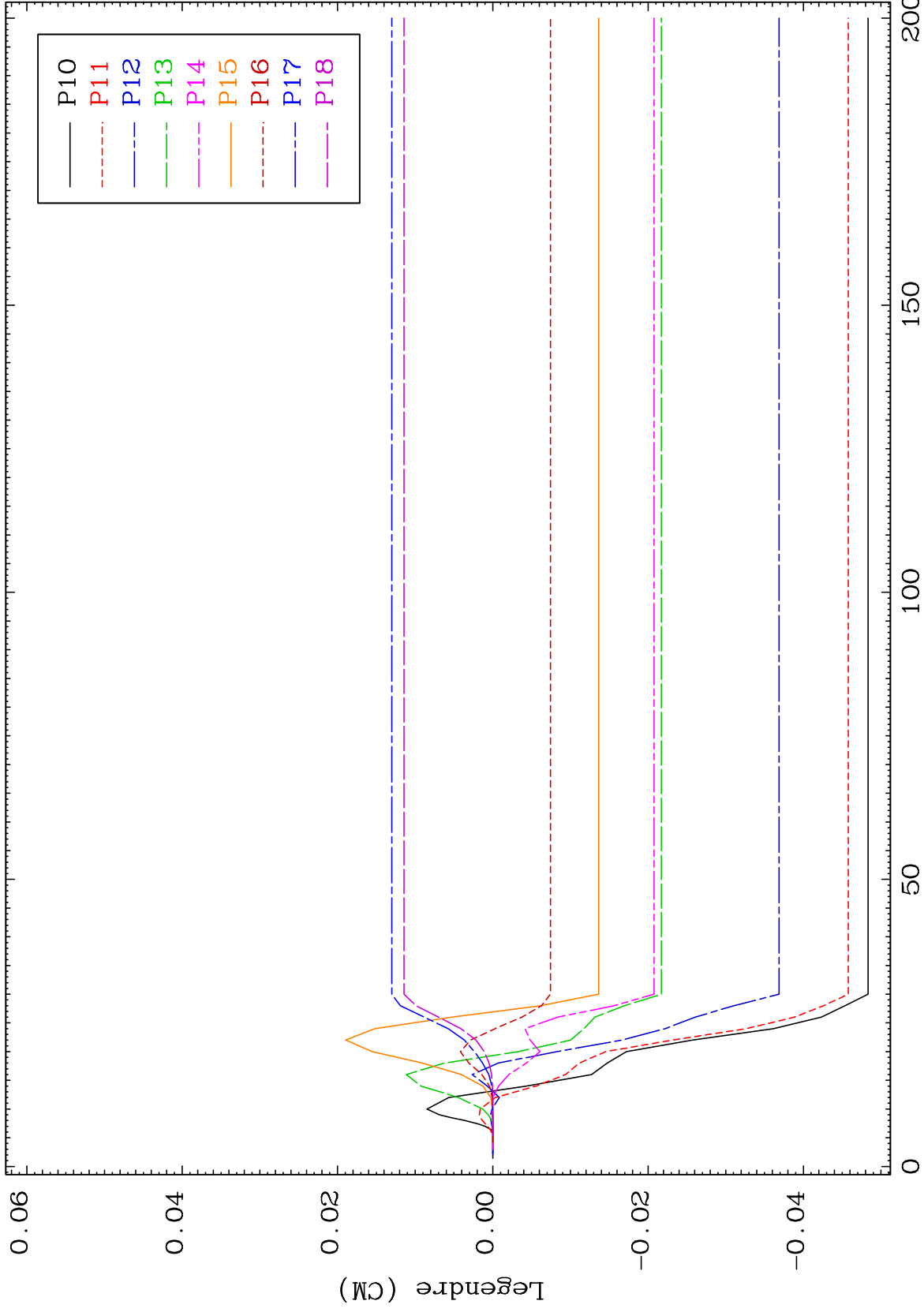
54-Xe-129



MAT 5440

904.3 keV (n,n') Level
Legendre Coefficients

54-Xe-129



91

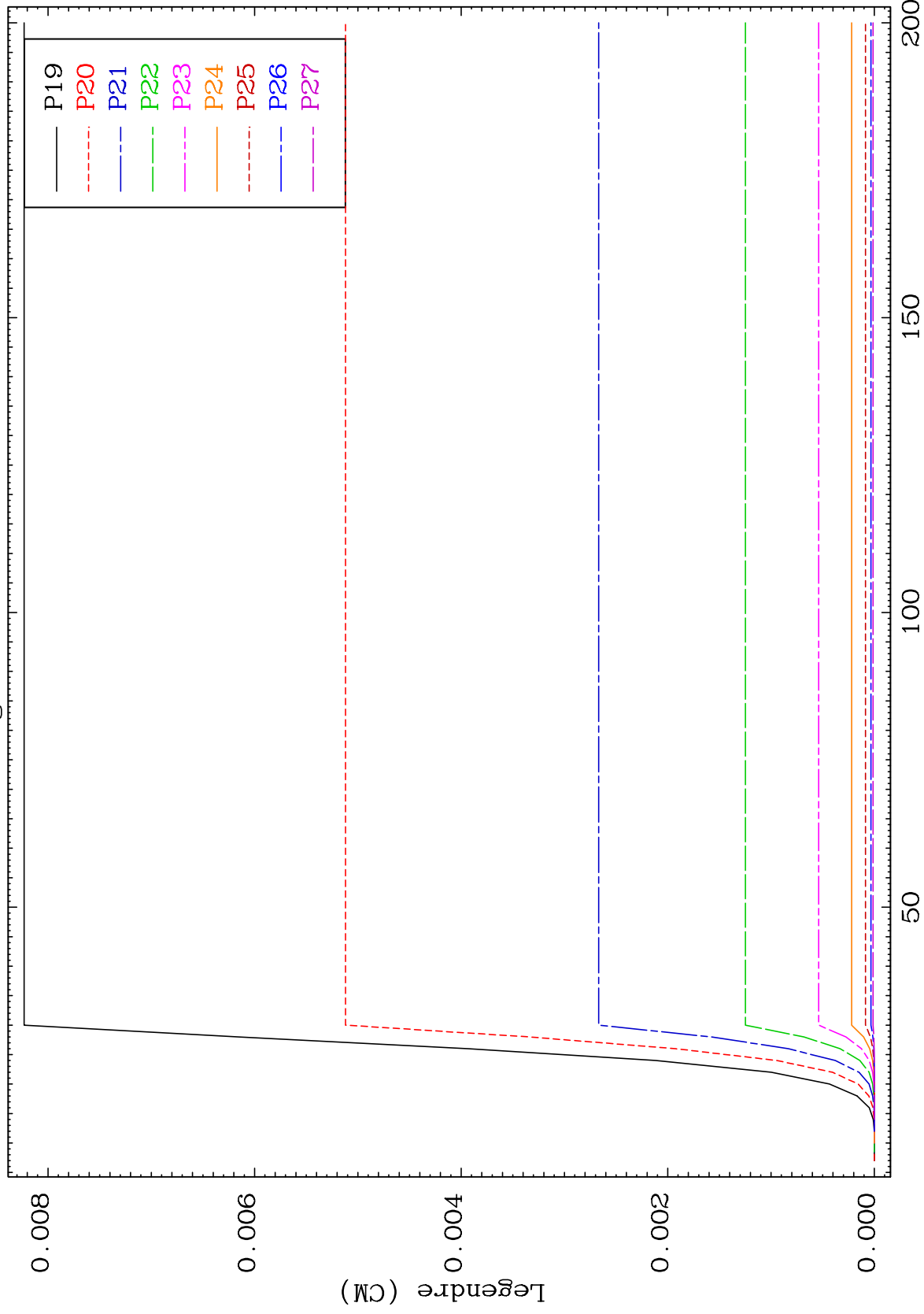
Incident Energy (MeV)

54-Xe-129

MAT 5440

904.3 keV (n,n') Level
Legendre Coefficients

54-Xe-129



92

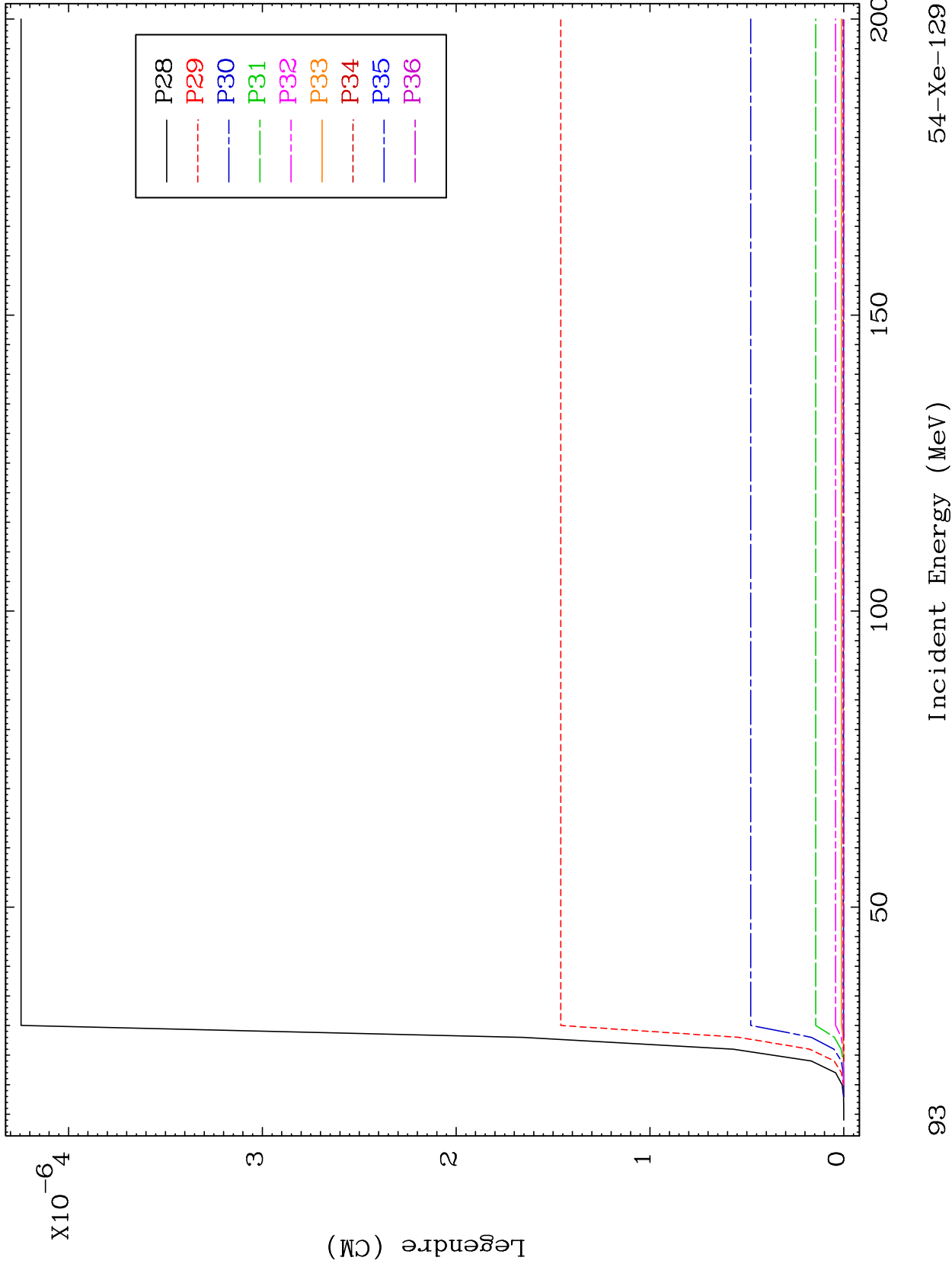
Incident Energy (MeV)

54-Xe-129

MAT 5440

904.3 keV (n, n') Level
Legendre Coefficients

54-Xe-129



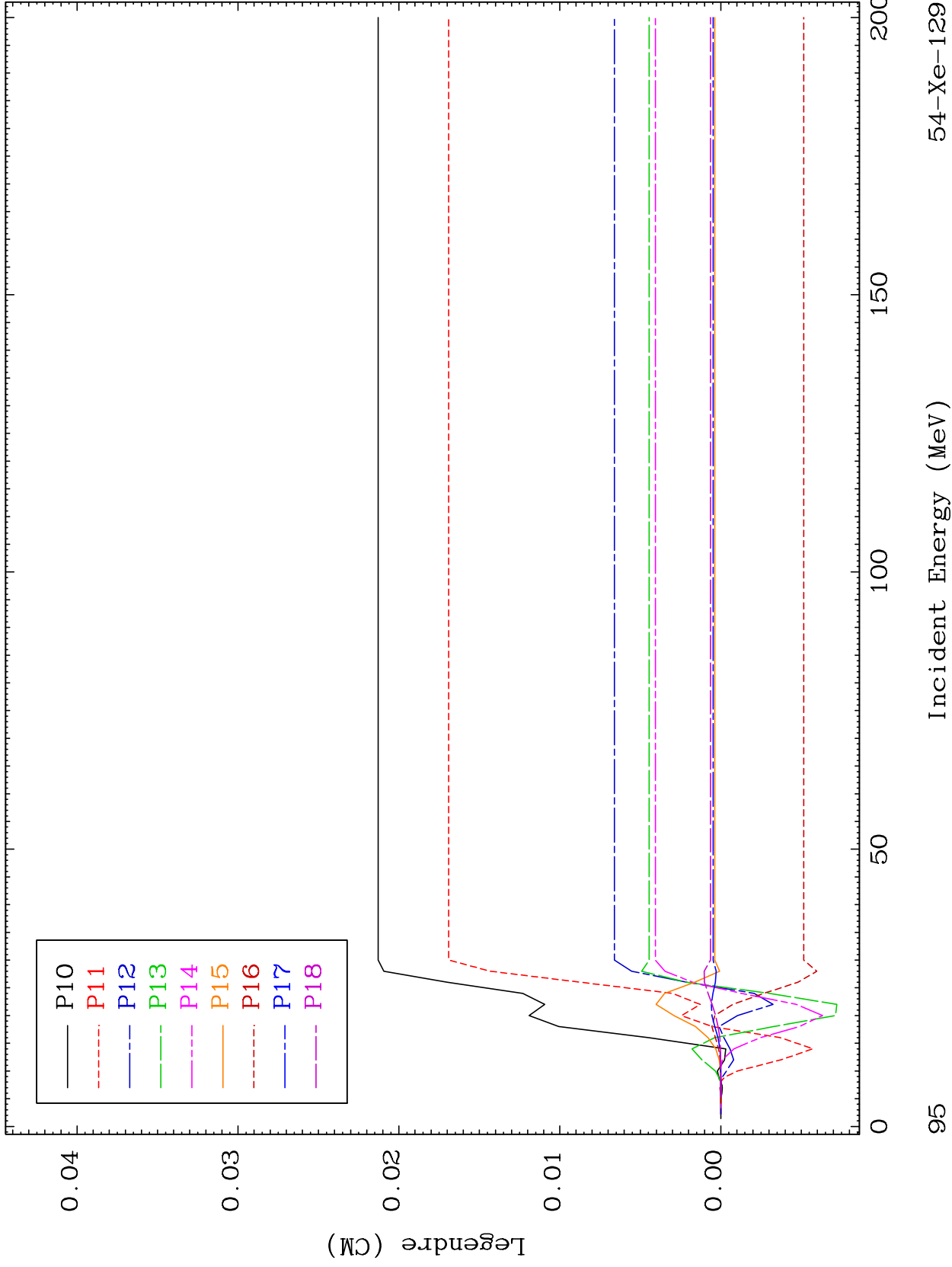
93

54-Xe-129

MAT 5440

908.6 keV (n,n') Level
Legendre Coefficients

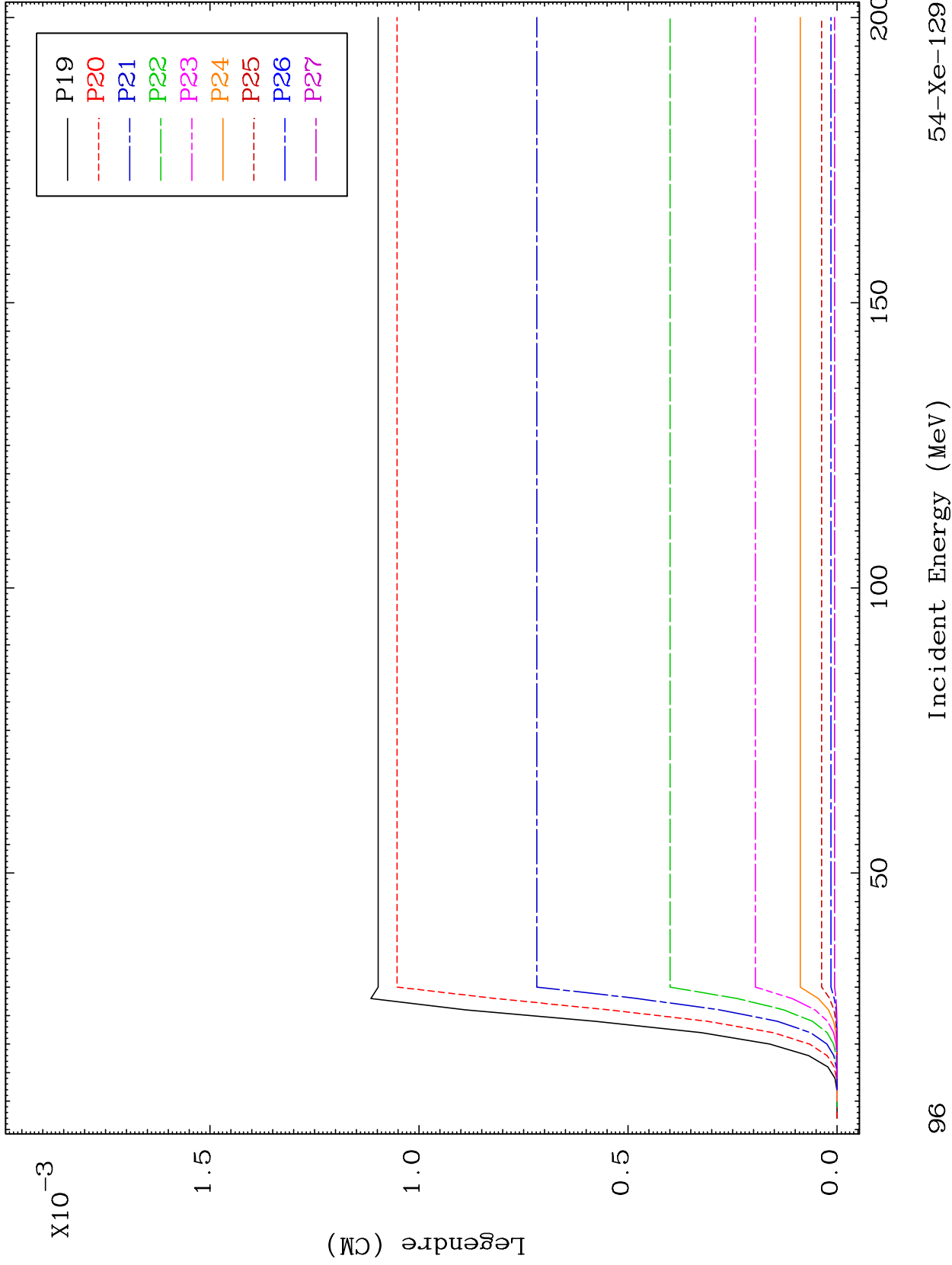
54-Xe-129



MAT 5440

908.6 keV (n,n') Level
Legendre Coefficients

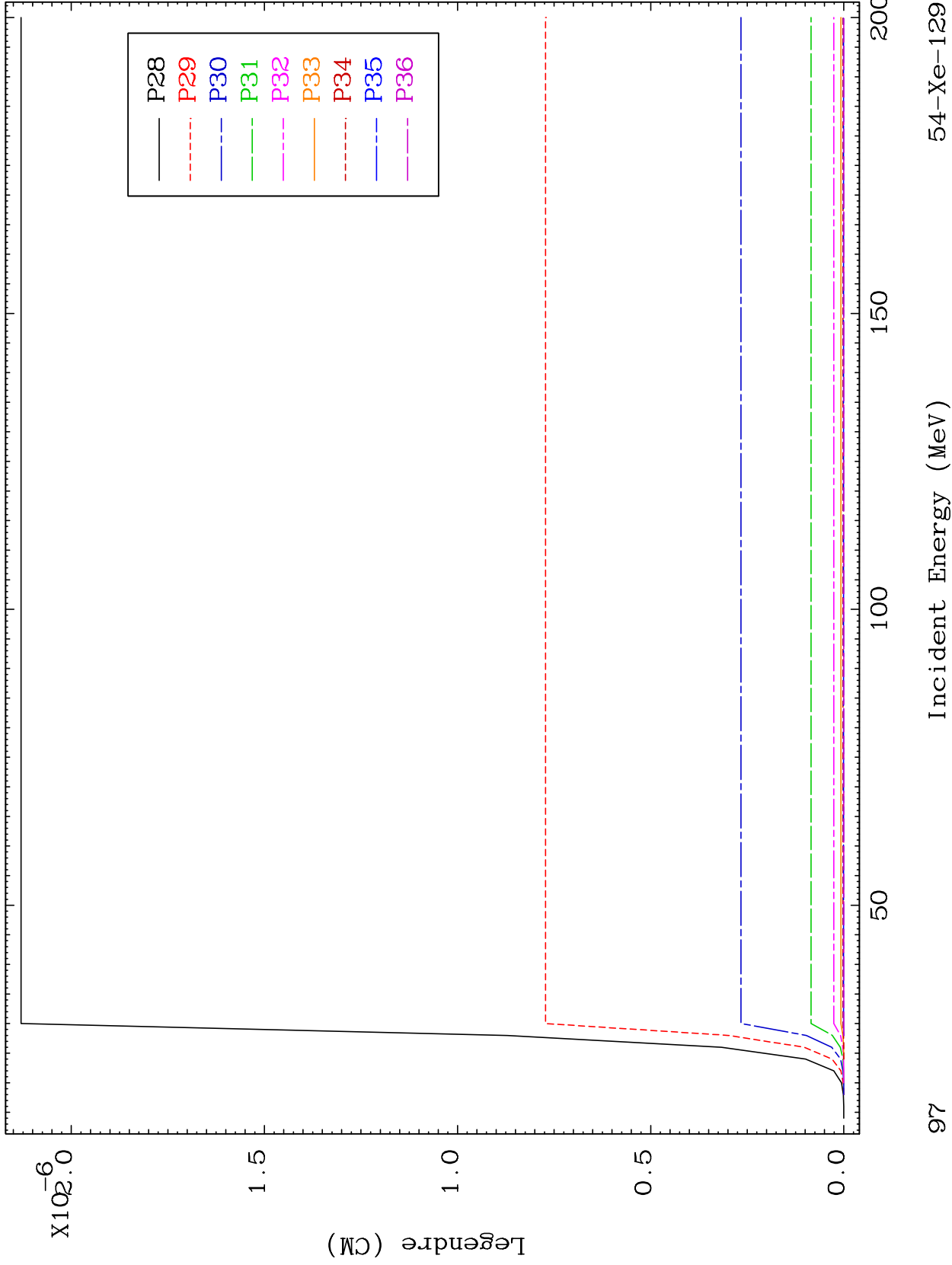
54-Xe-129



MAT 5440

908.6 keV (n,n') Level
Legendre Coefficients

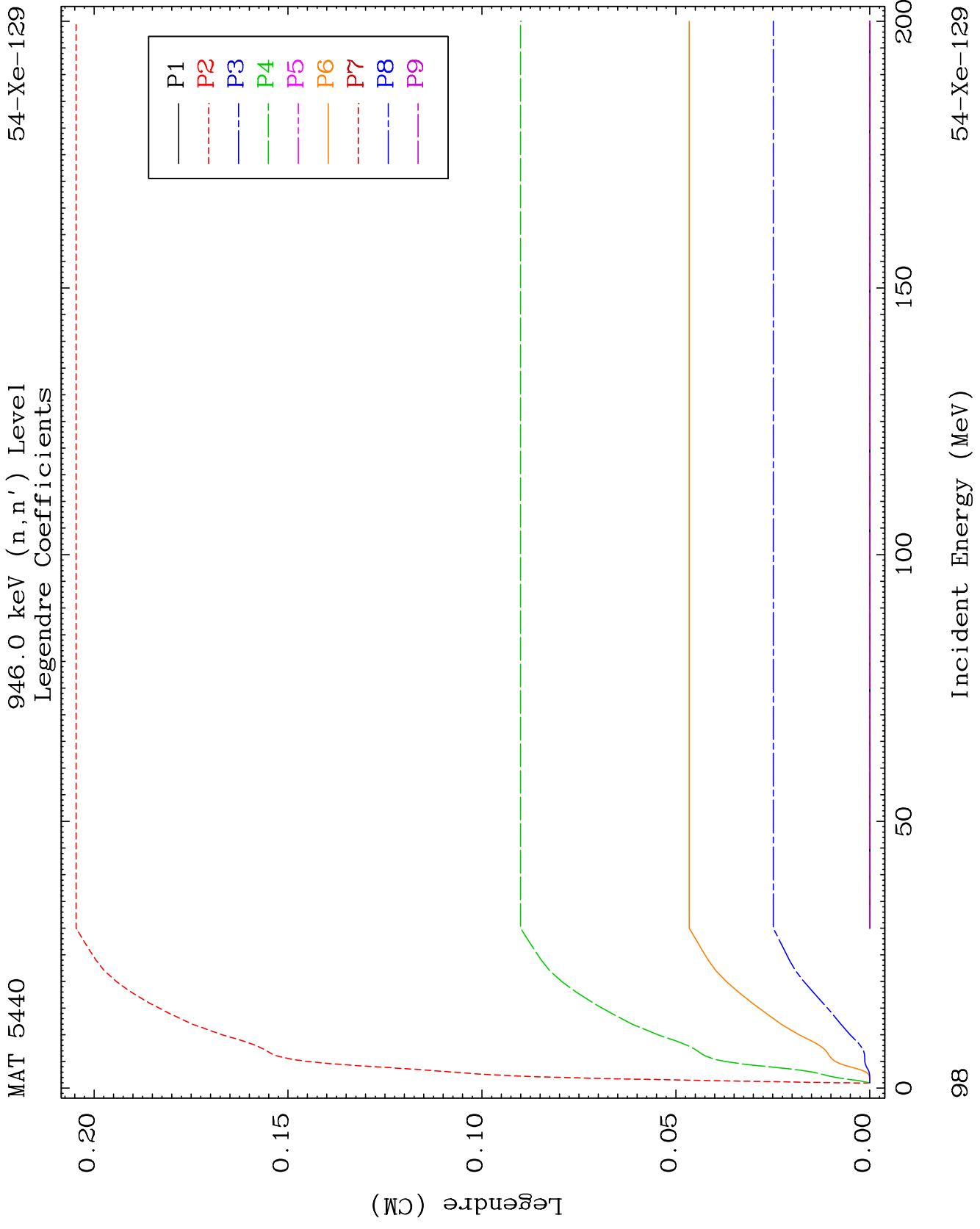
54-Xe-129



97

Incident Energy (MeV)

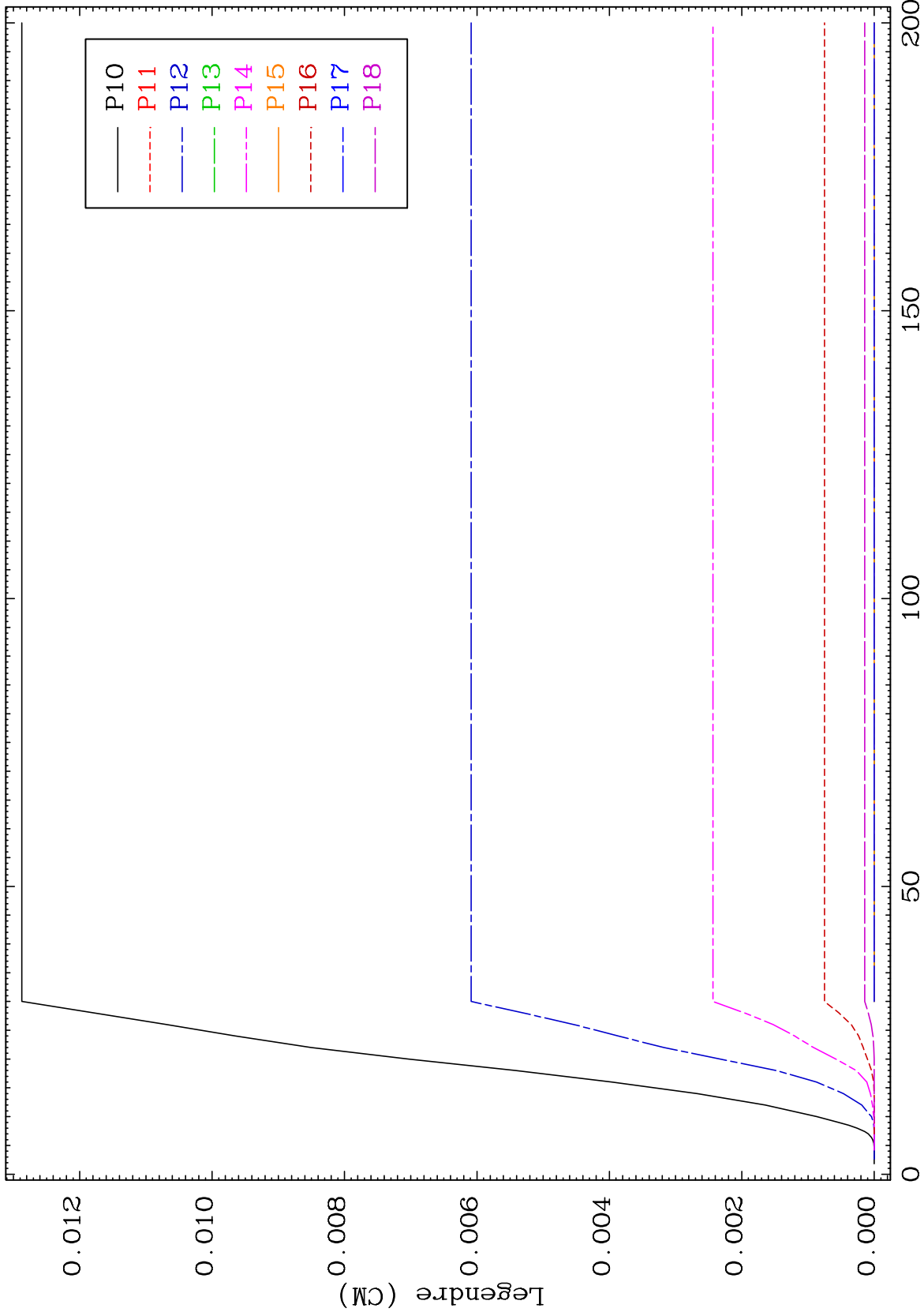
54-Xe-129



MAT 5440

946.0 keV (n,n') Level
Legendre Coefficients

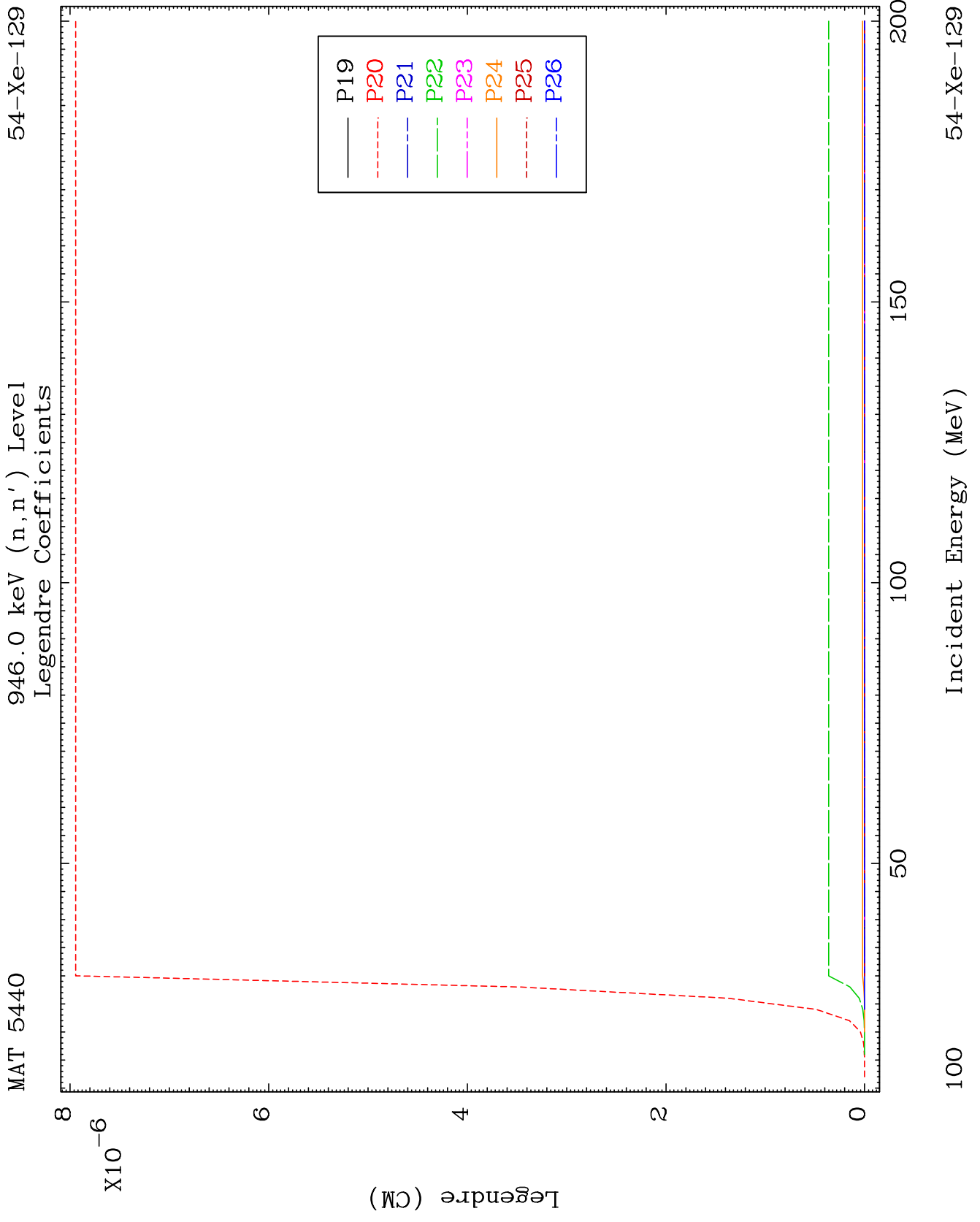
54-Xe-129

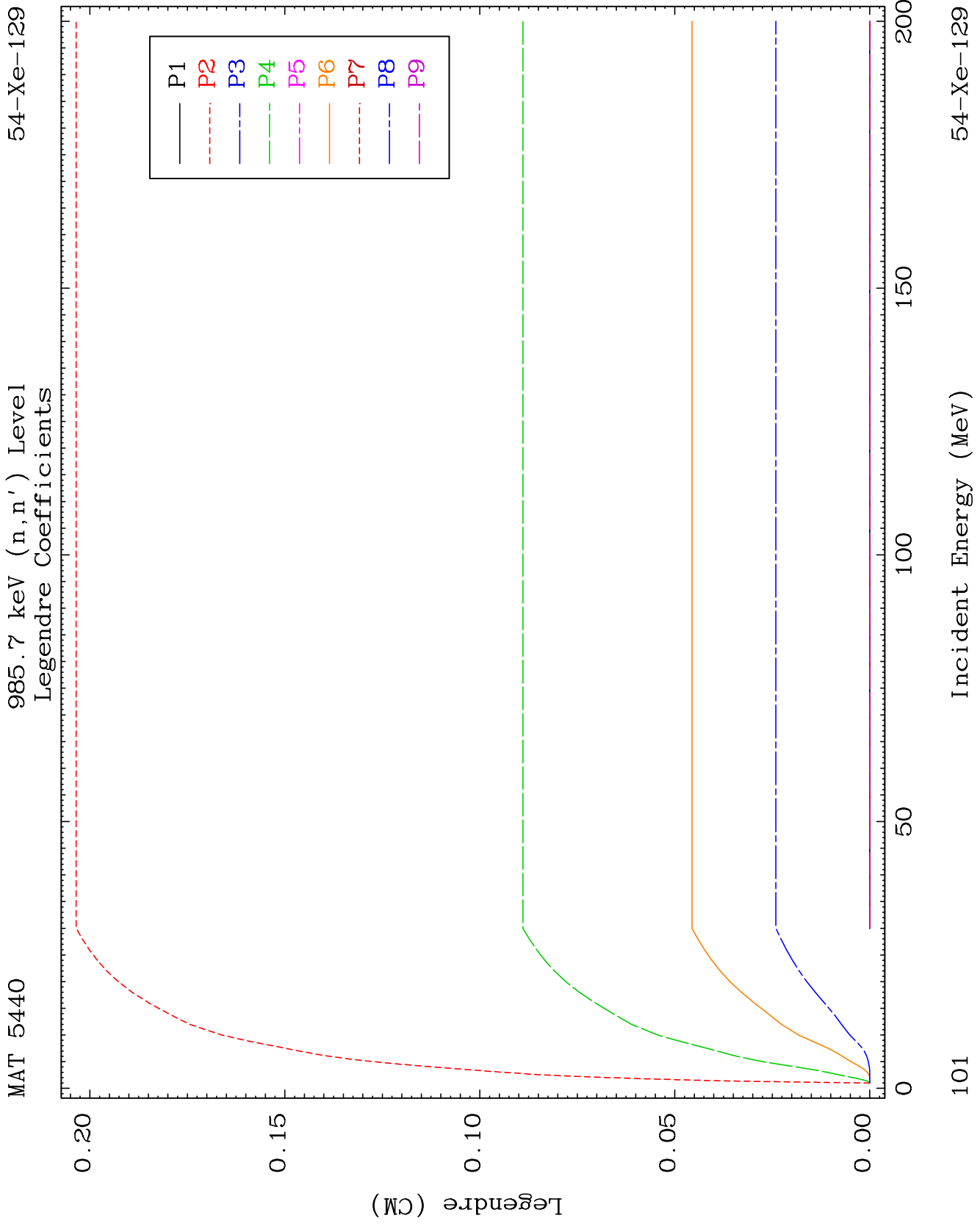


99

Incident Energy (MeV)

54-Xe-129

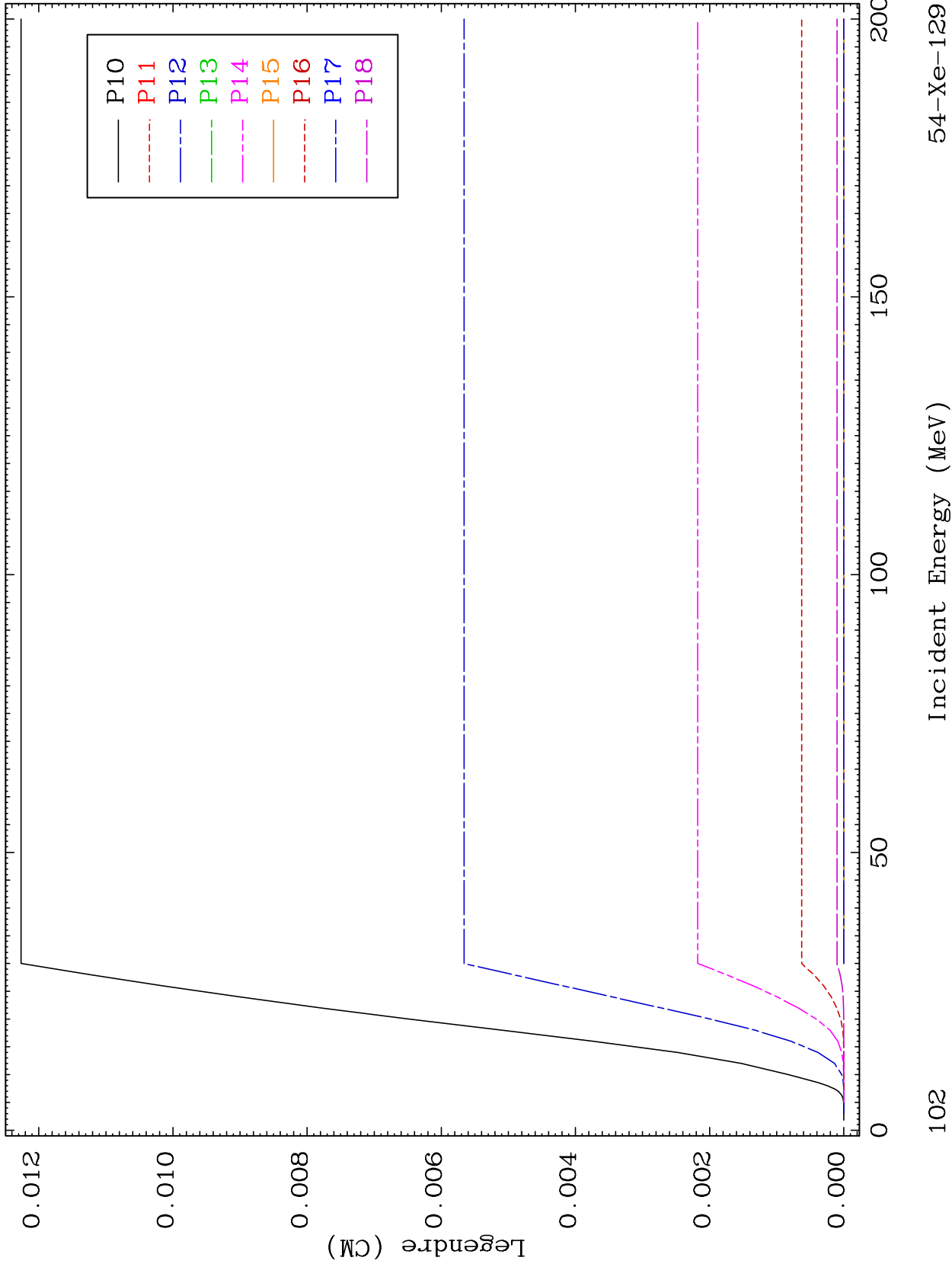




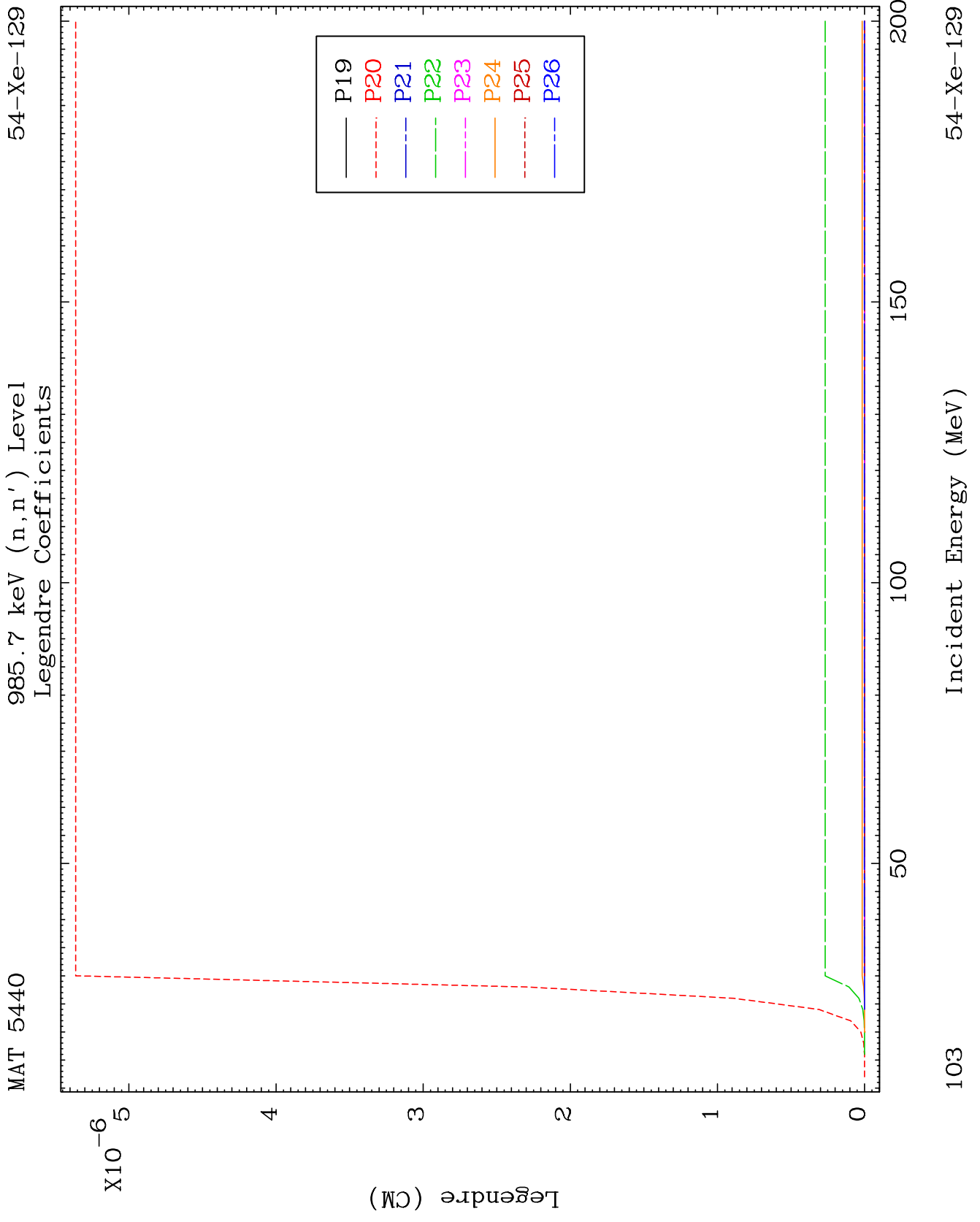
MAT 5440

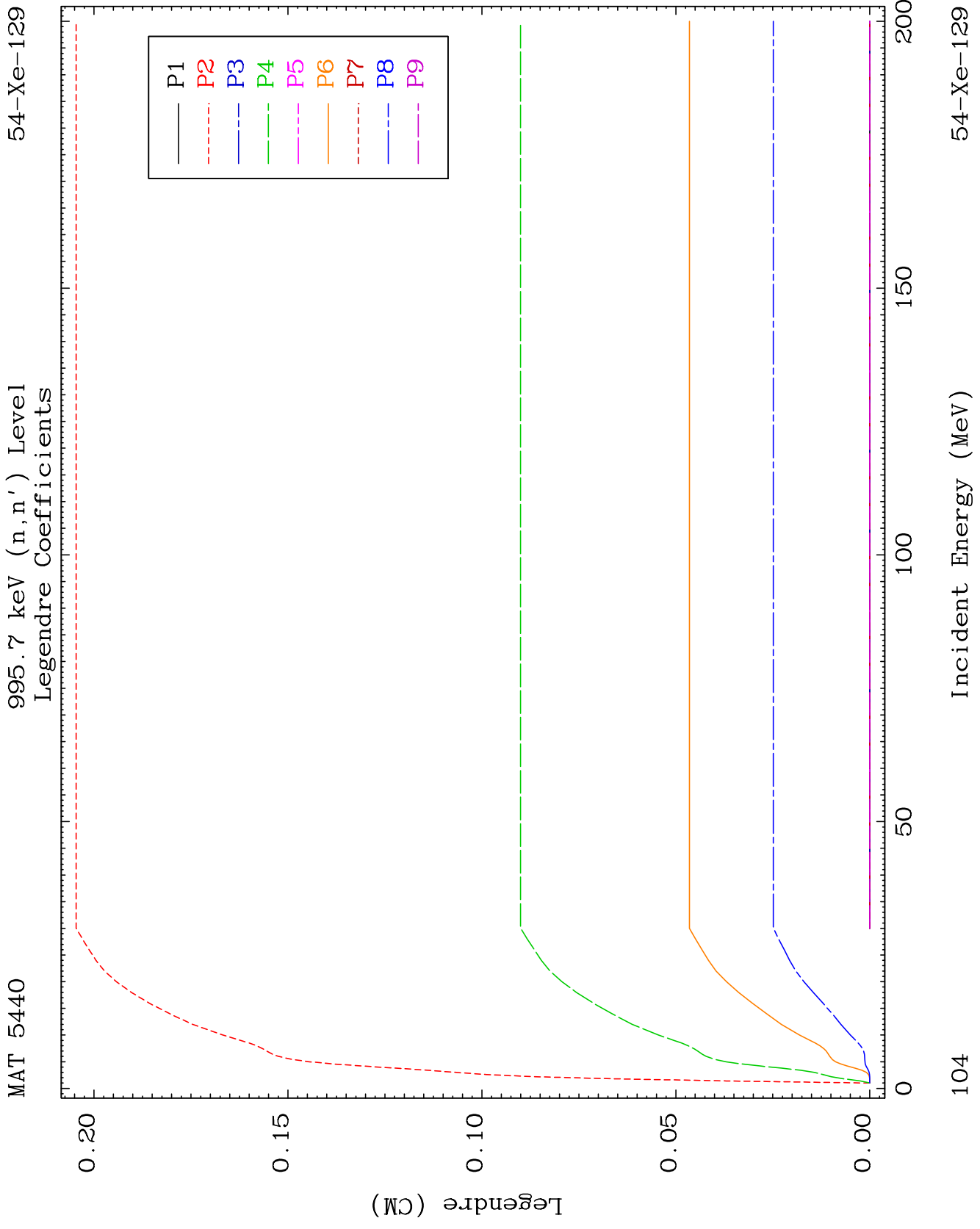
985.7 keV (n,n') Level
Legendre Coefficients

54-Xe-129



102

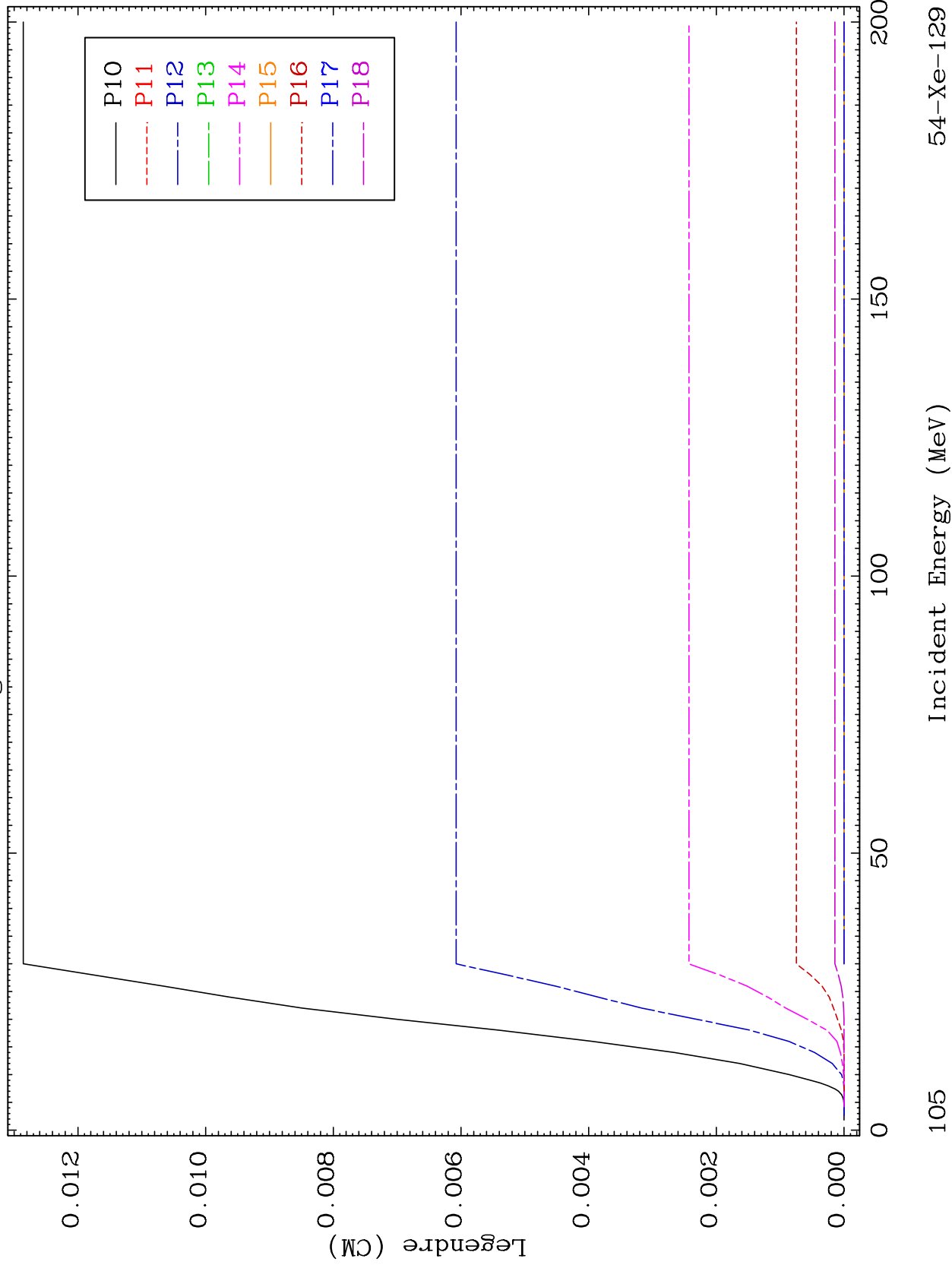




MAT 5440

995.7 keV (n,n') Level
Legendre Coefficients

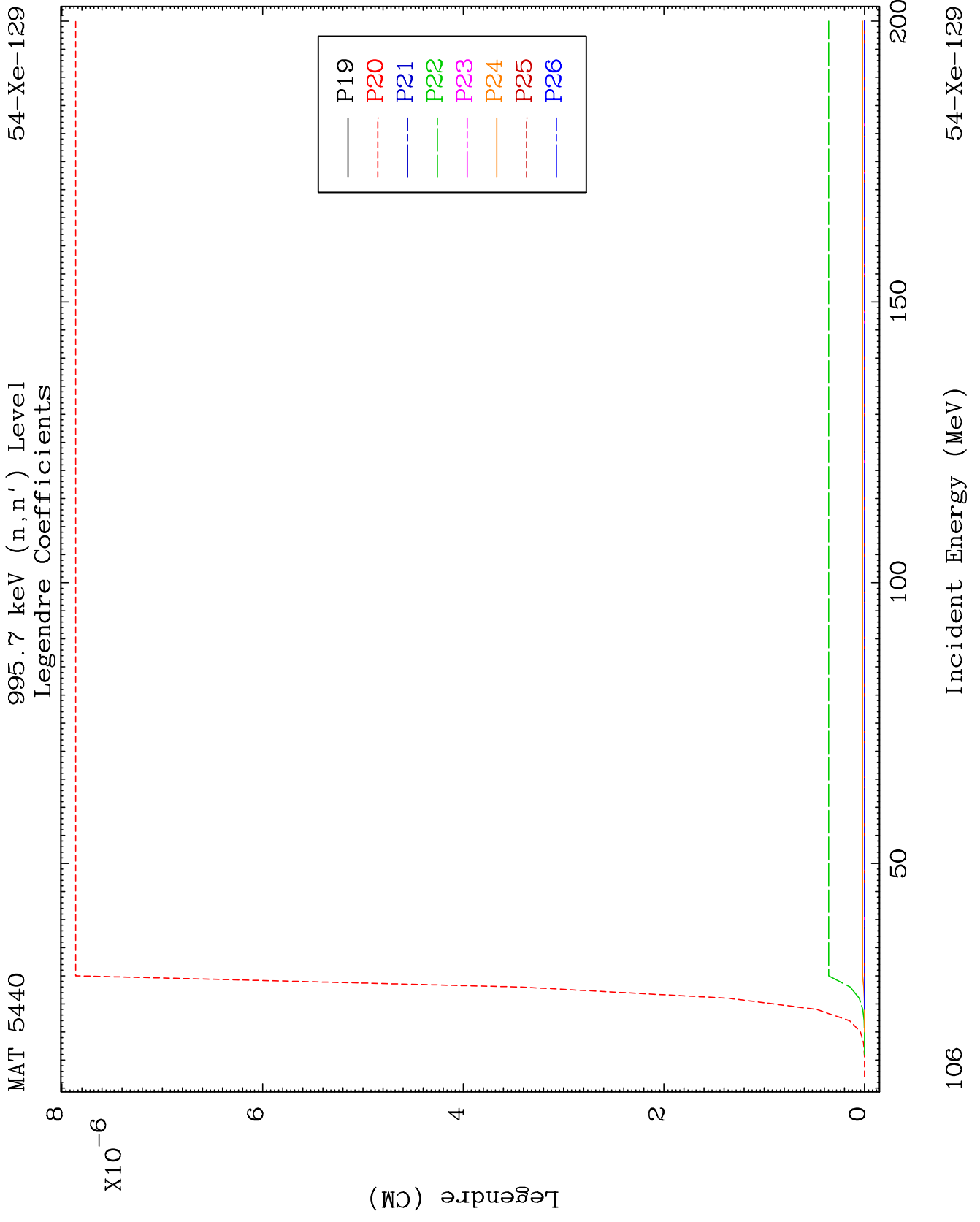
54-Xe-129



54-Xe-129

Incident Energy (MeV)

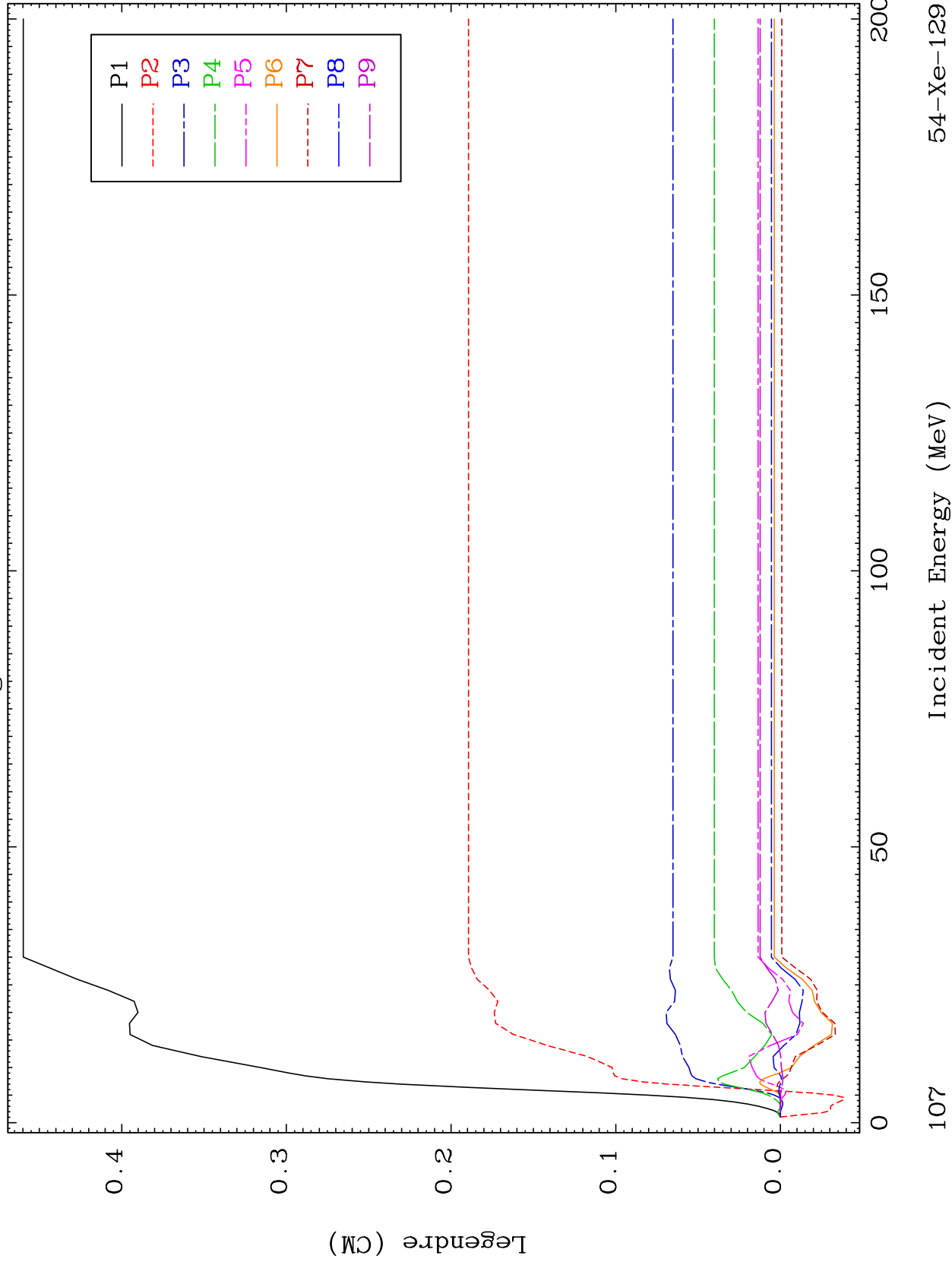
105



MAT 5440

1.022 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

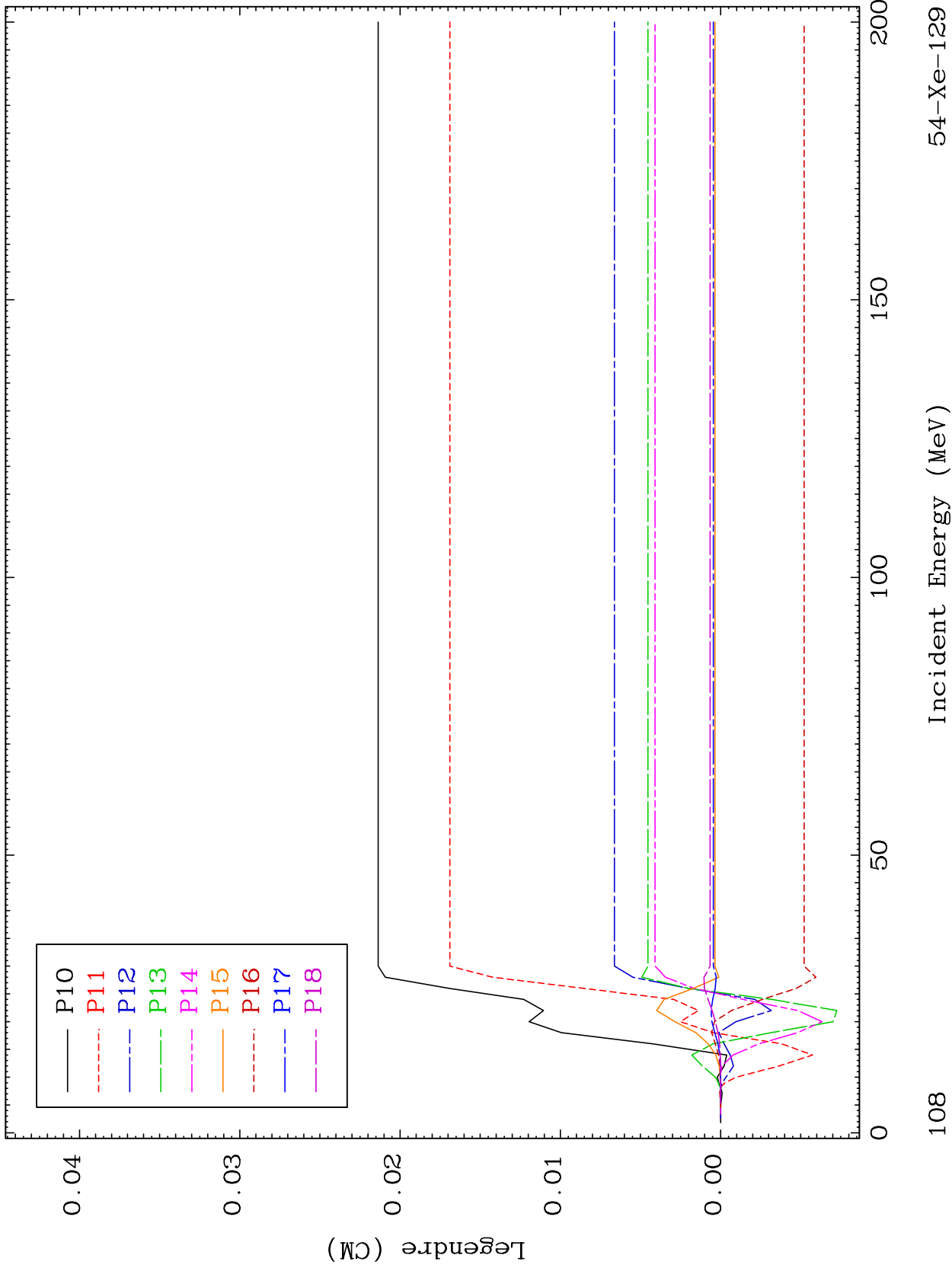
Incident Energy (MeV)

107

MAT 5440

1.022 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

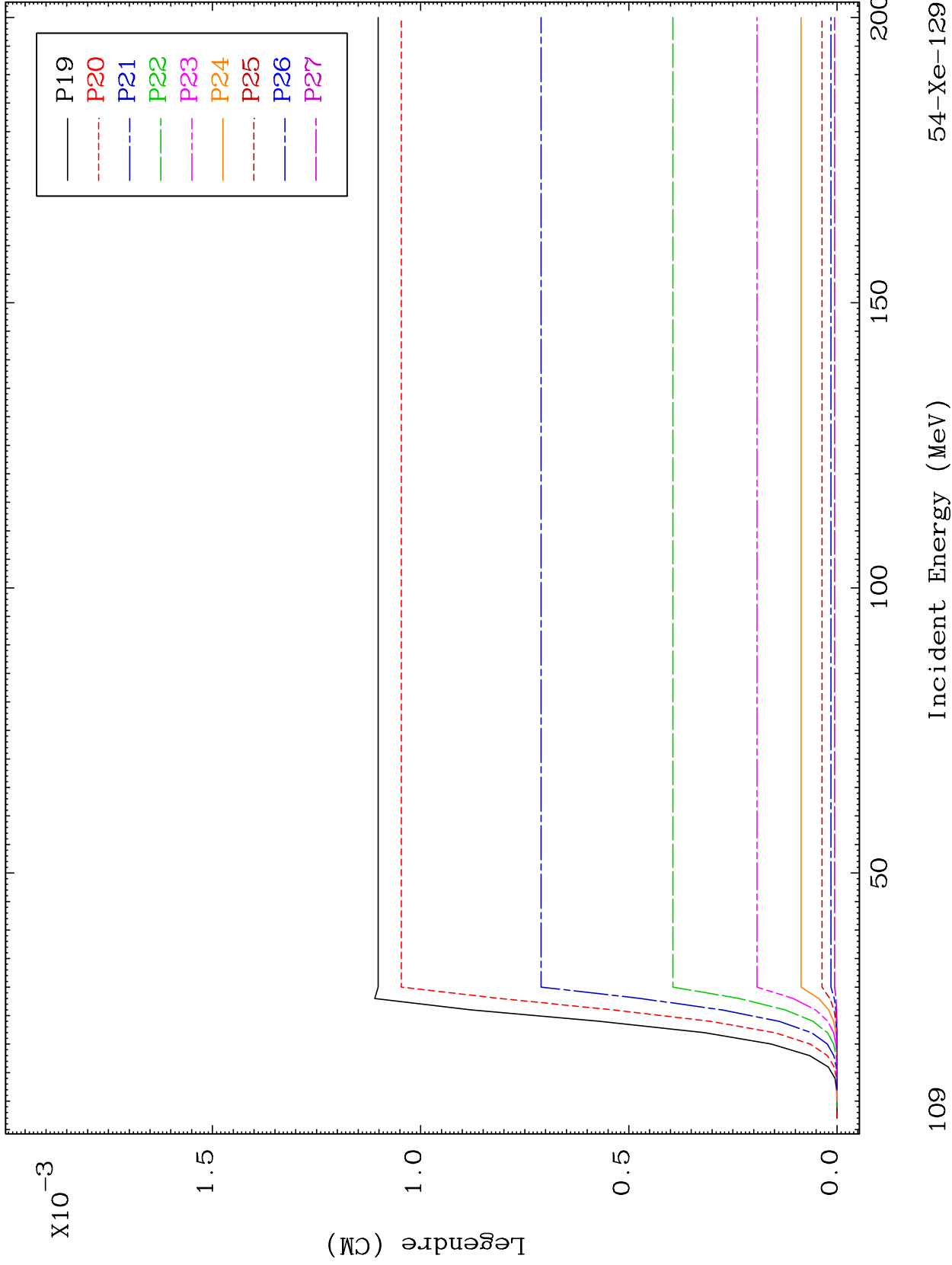
Incident Energy (MeV)

108

MAT 5440

1.022 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



109

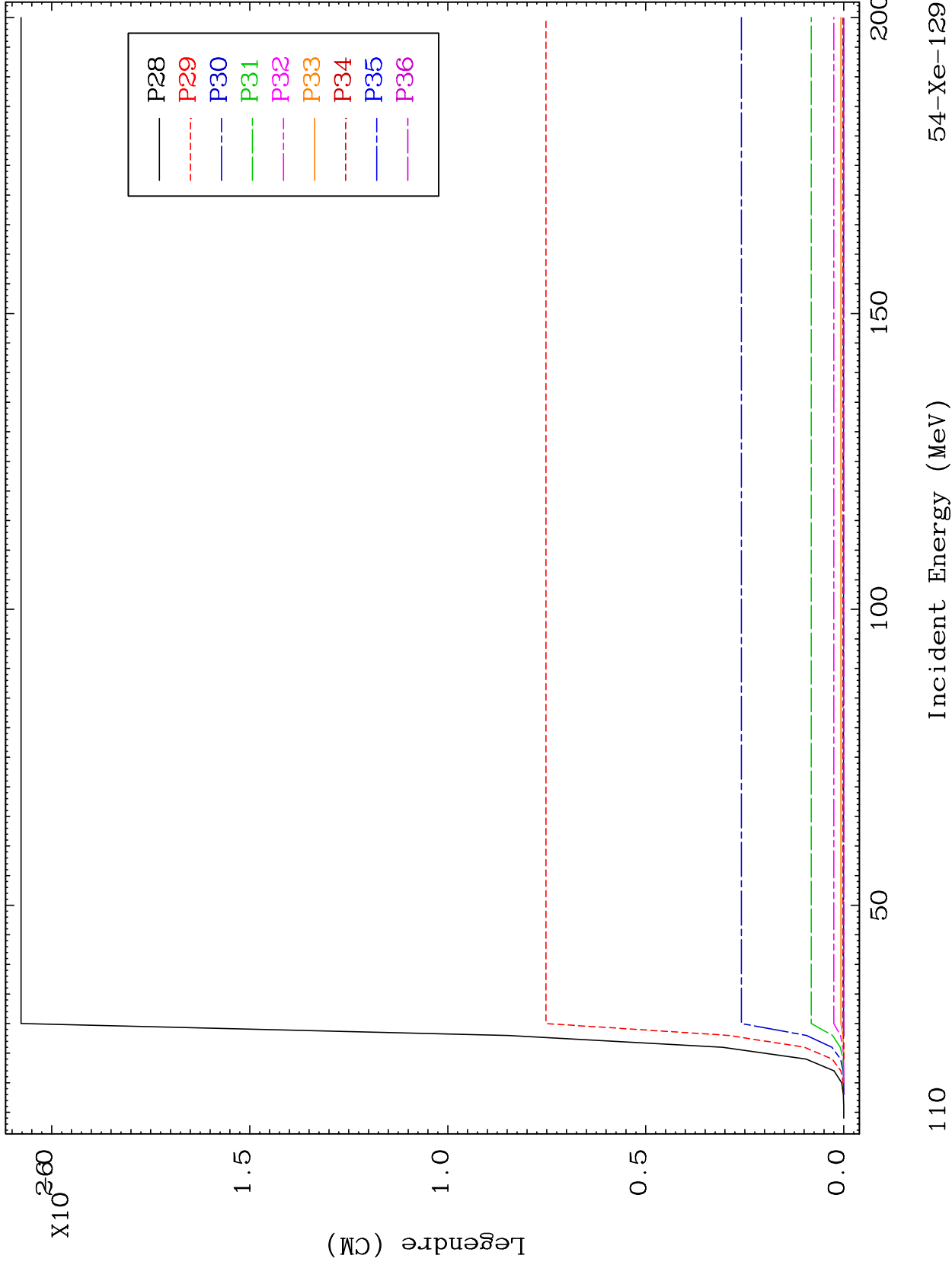
Incident Energy (MeV)

54-Xe-129

MAT 5440

1.022 MeV (n, n') Level
Legendre Coefficients

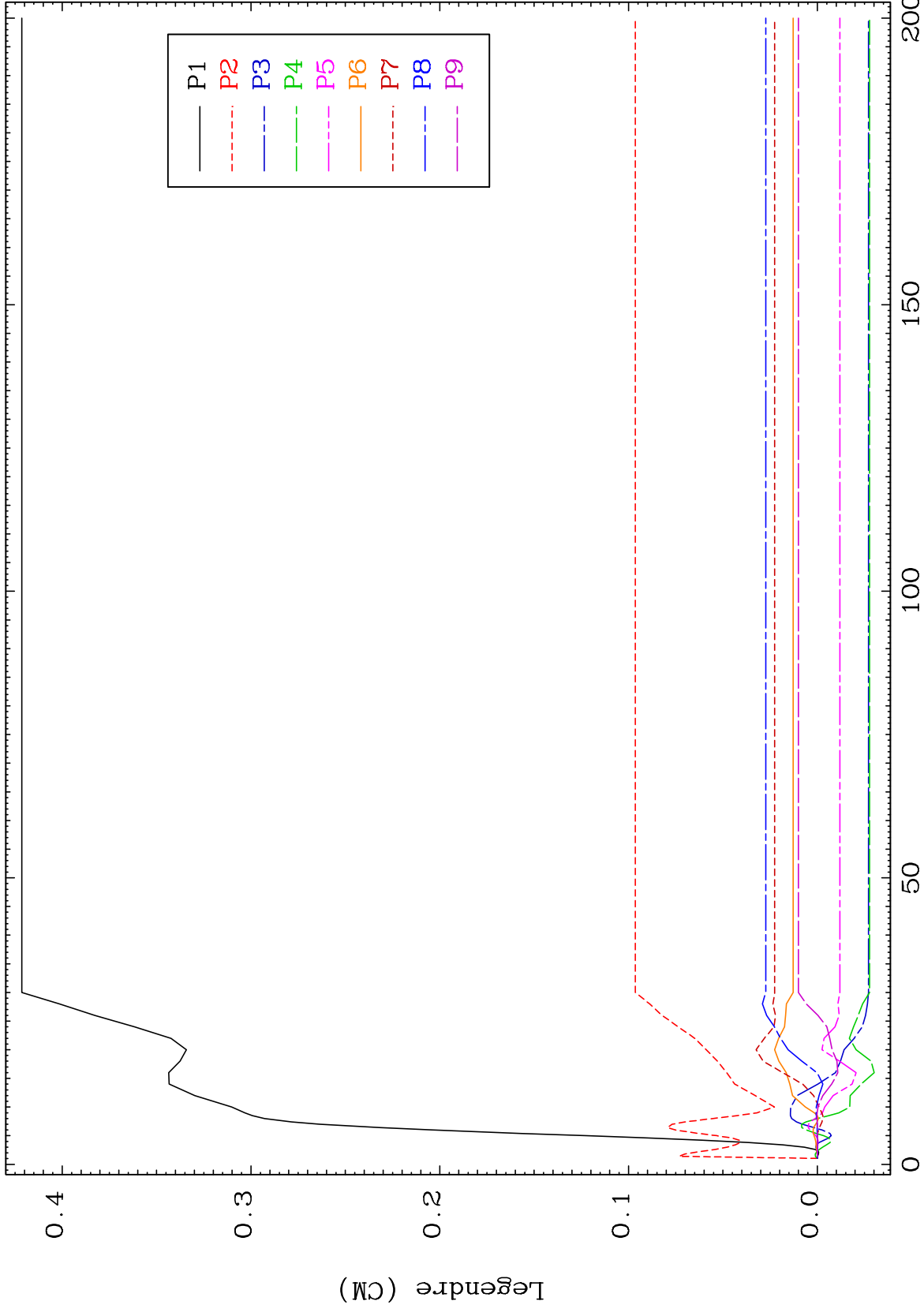
54-Xe-129



MAT 5440

1.032 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



111

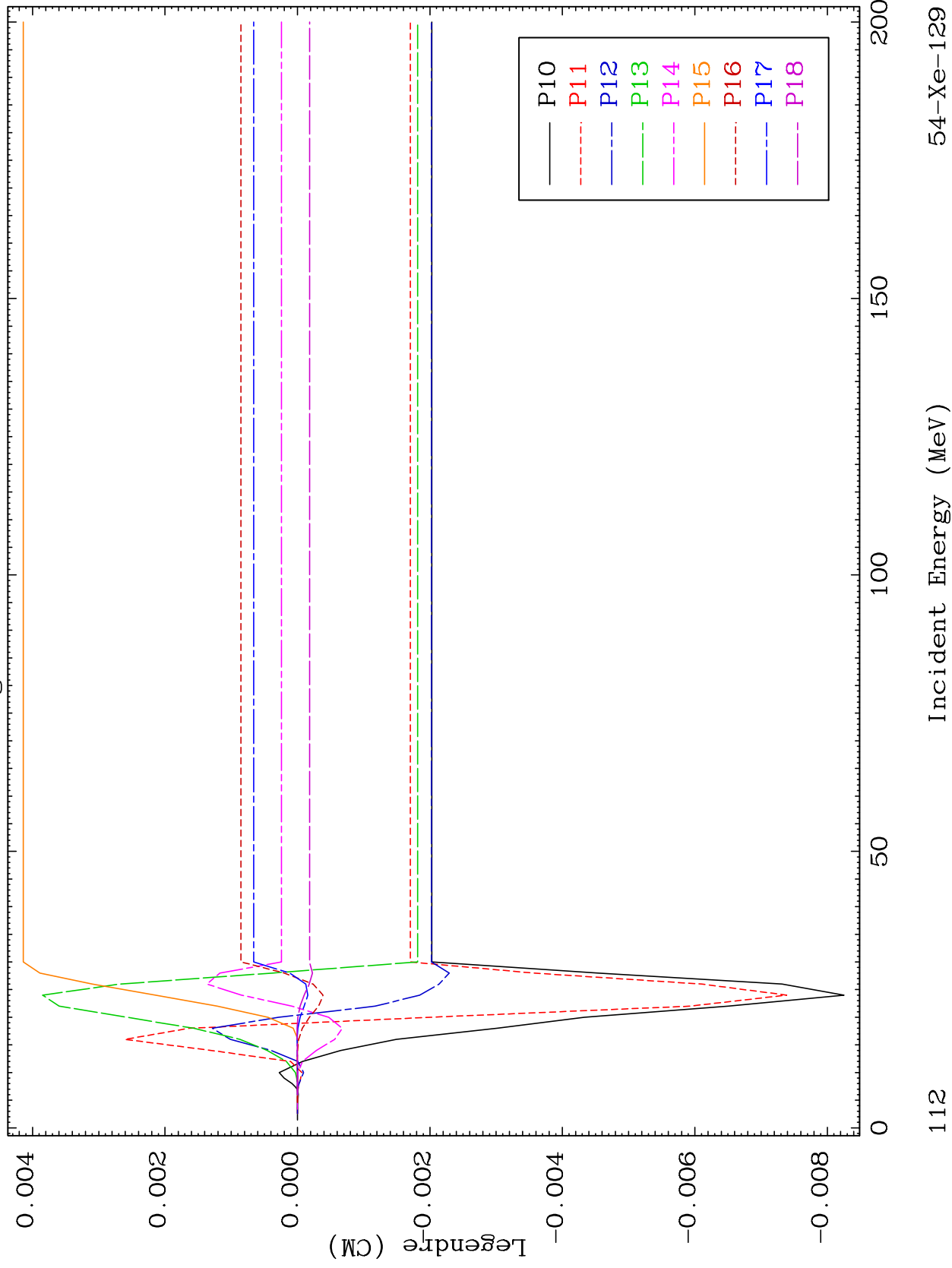
Incident Energy (MeV)

54-Xe-129

MAT 5440

1.032 MeV (n,n') Level
Legendre Coefficients

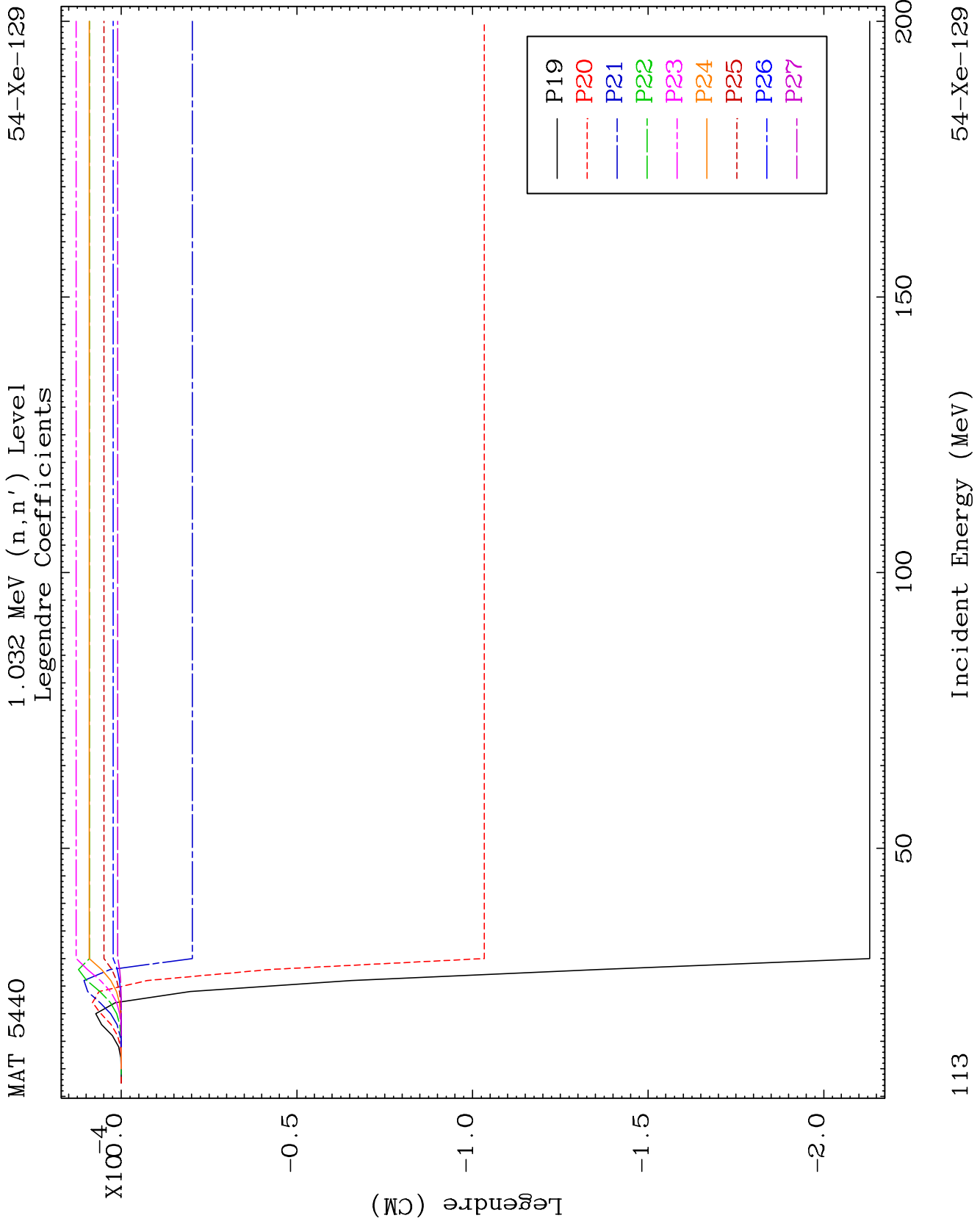
54-Xe-129



54-Xe-129

Incident Energy (MeV)

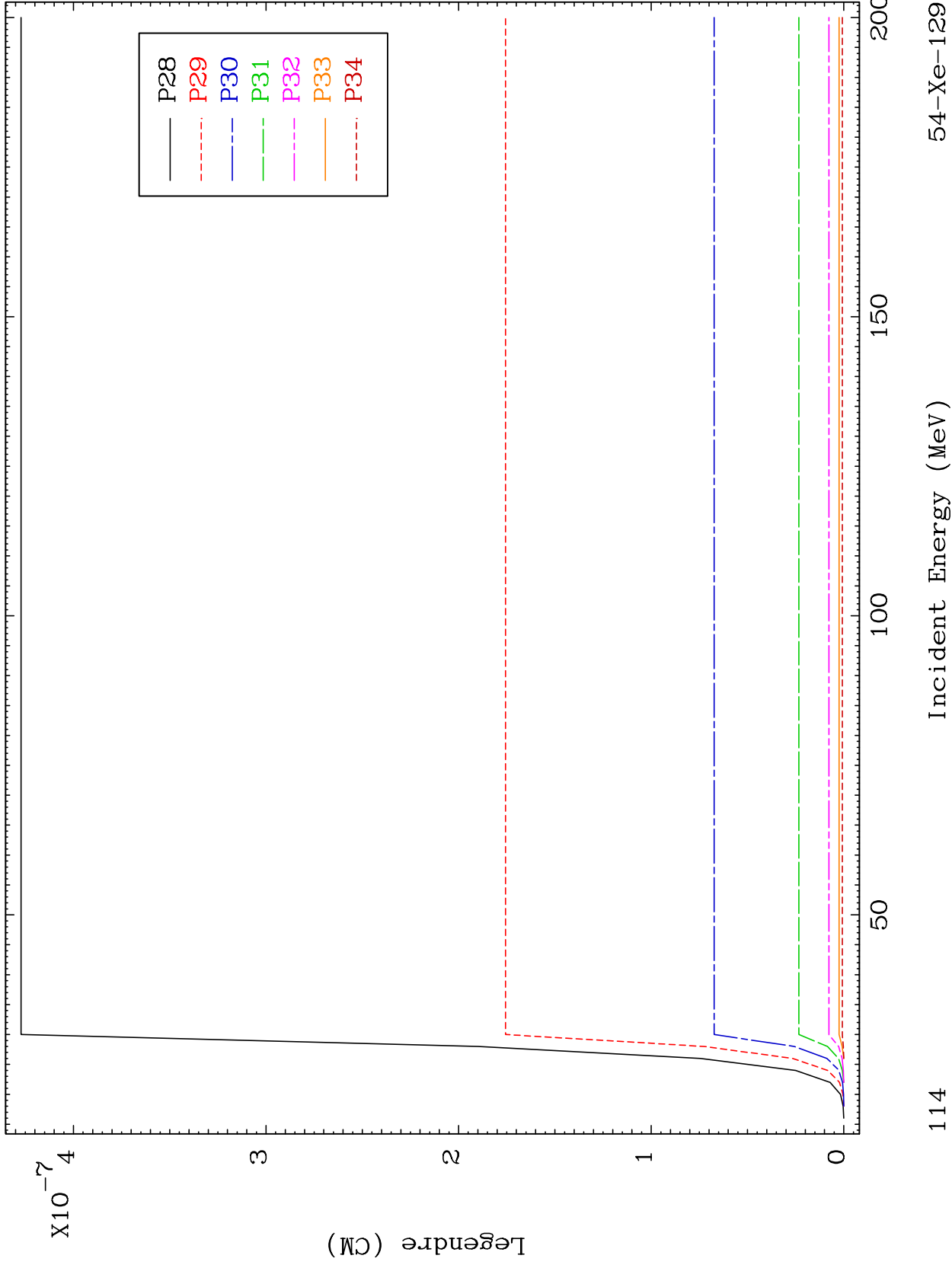
112



MAT 5440

1.032 MeV (n, n') Level
Legendre Coefficients

54-Xe-129



114

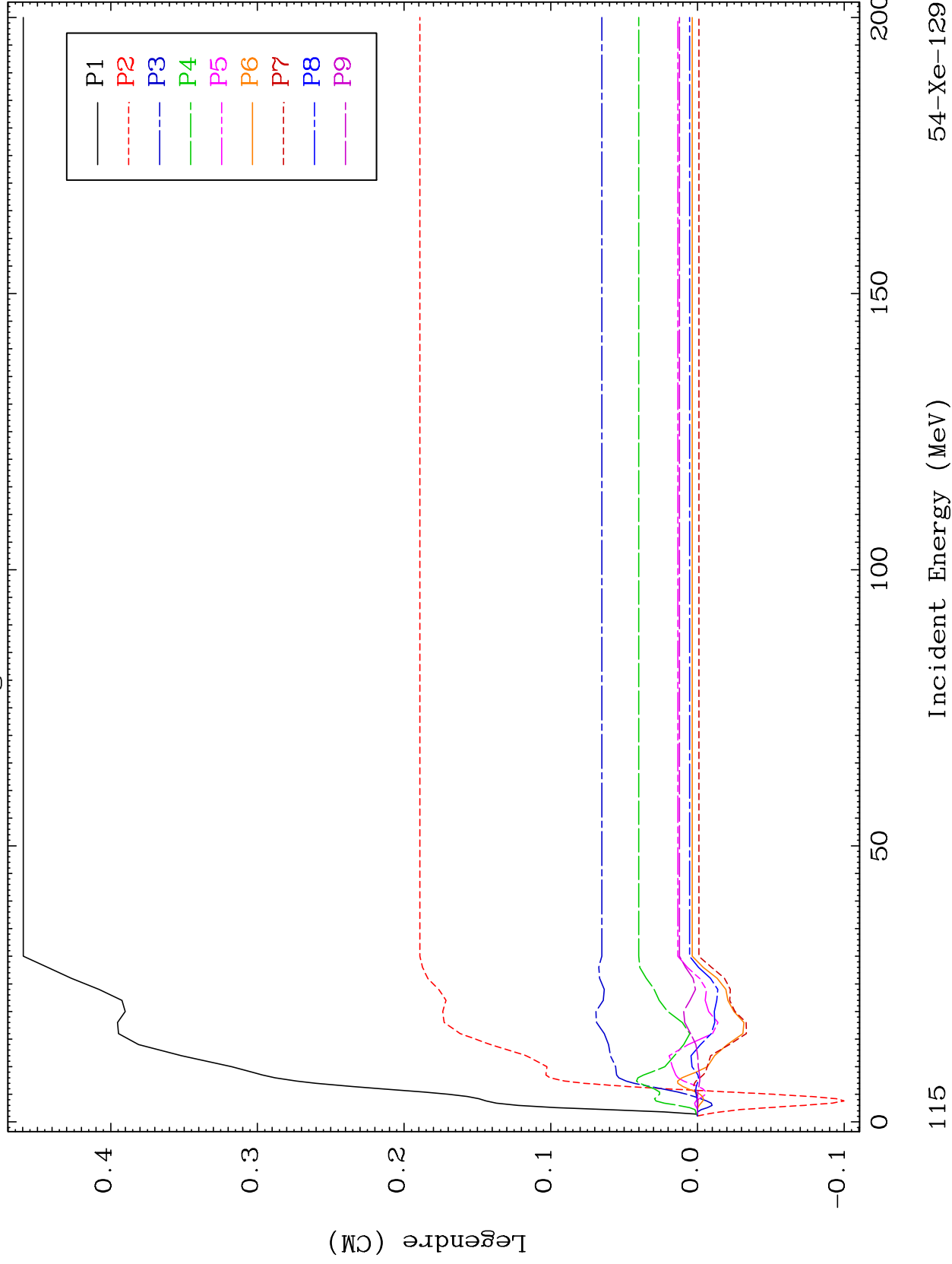
Incident Energy (MeV)

54-Xe-129

MAT 5440

1.060 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



54-Xe-129

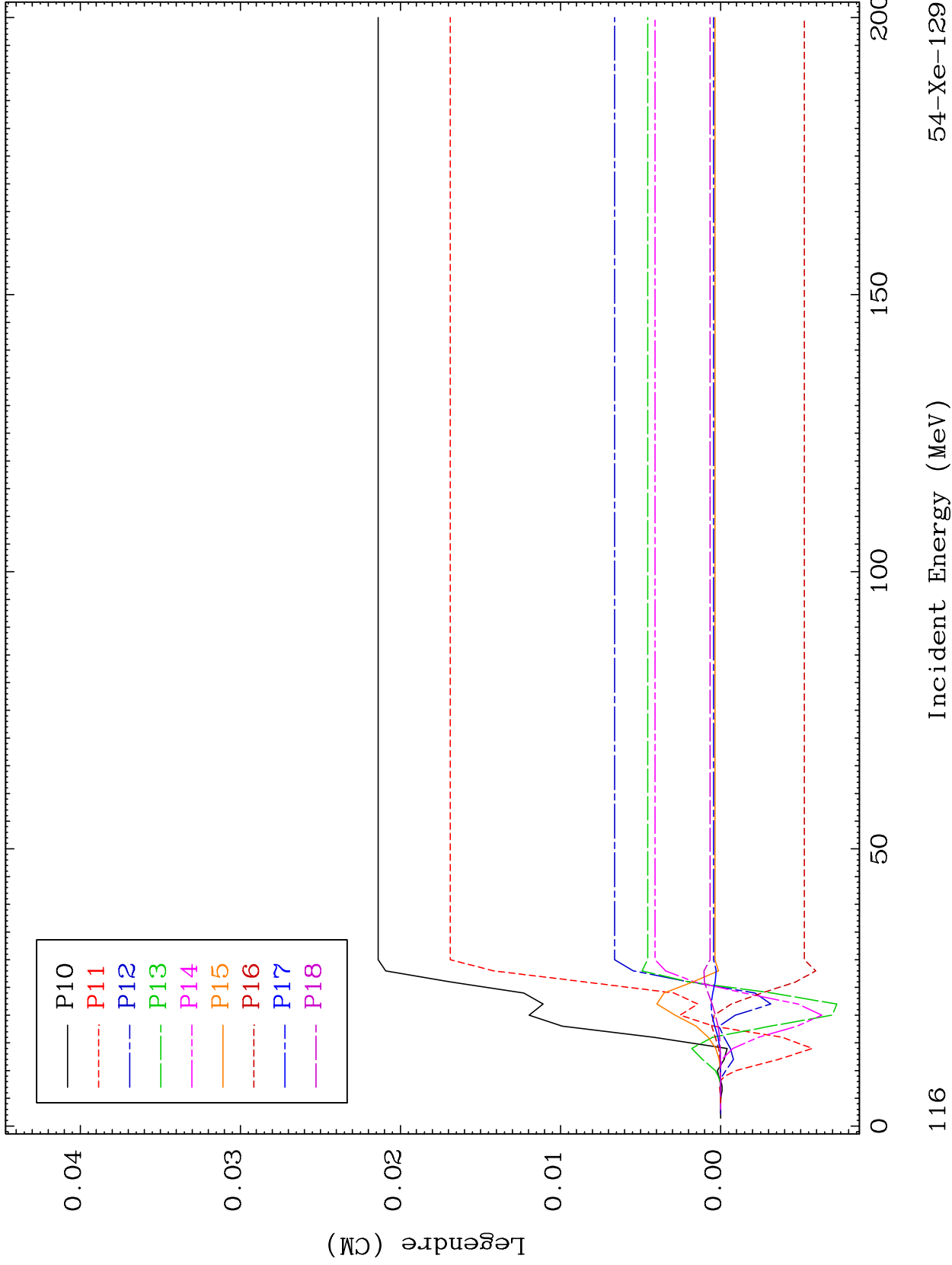
Incident Energy (MeV)

115

MAT 5440

1.060 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



116

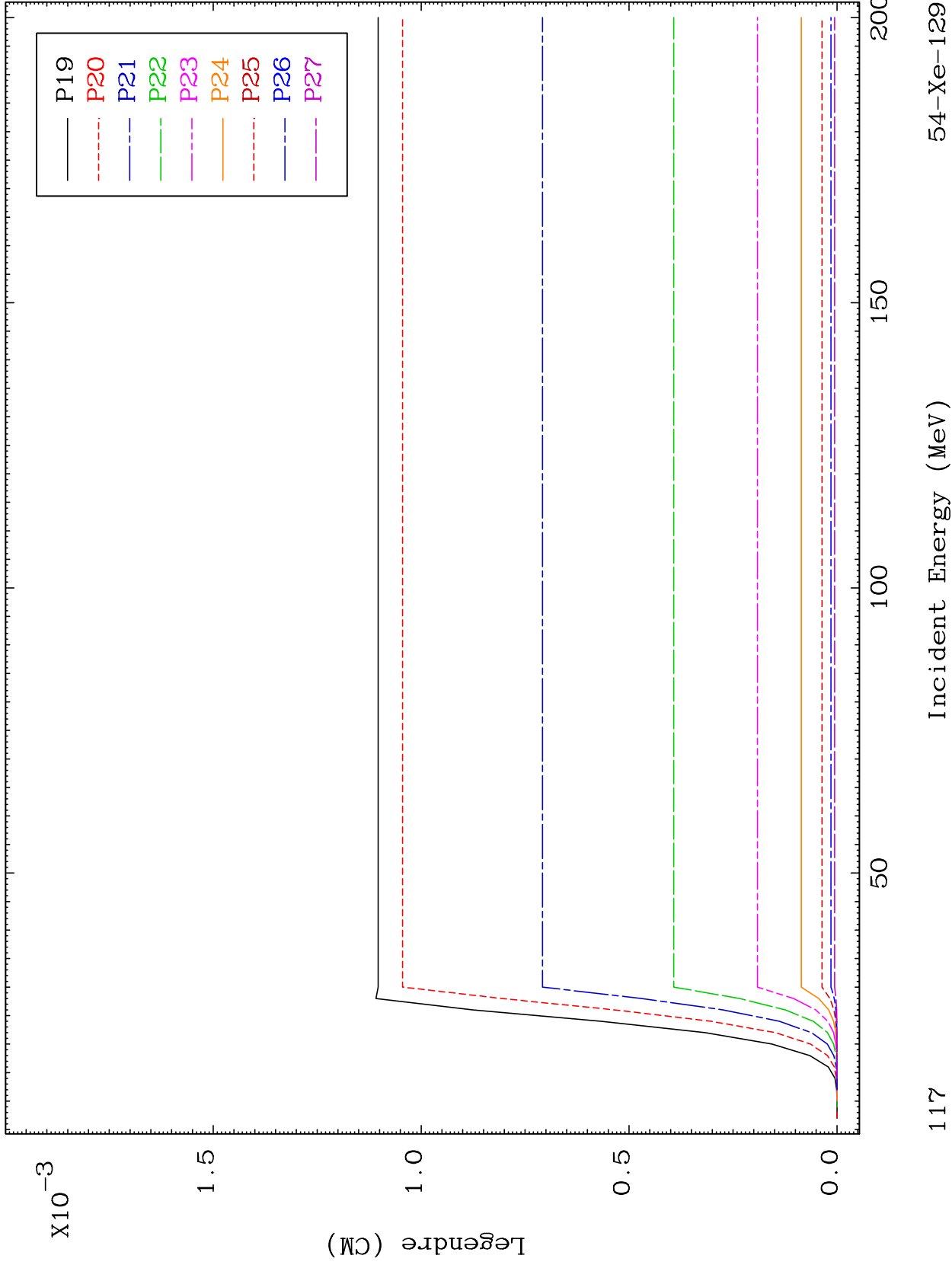
Incident Energy (MeV)

54-Xe-129

MAT 5440

1.060 MeV (n,n') Level
Legendre Coefficients

54-Xe-129



117

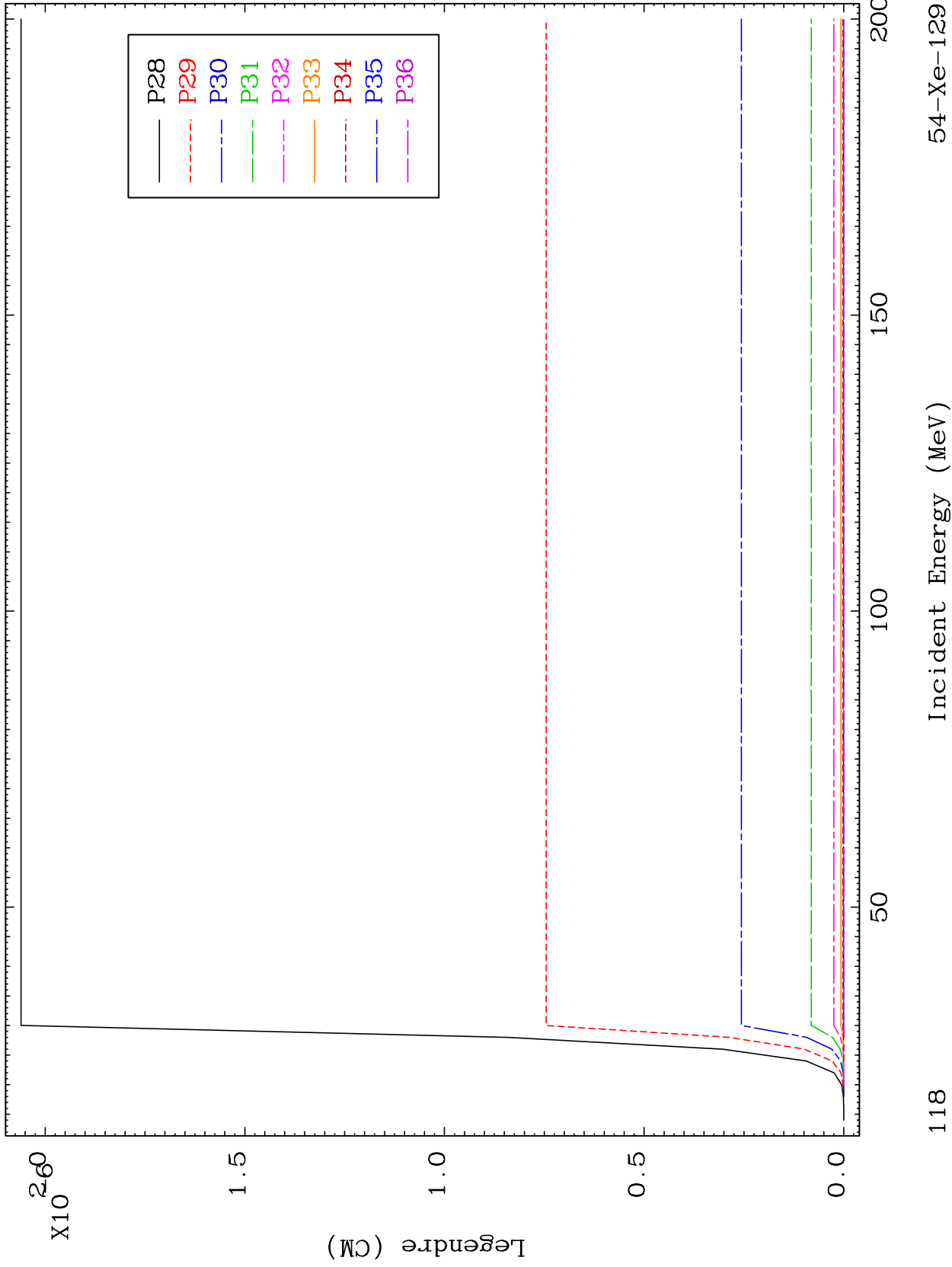
Incident Energy (MeV)

54-Xe-129

MAT 5440

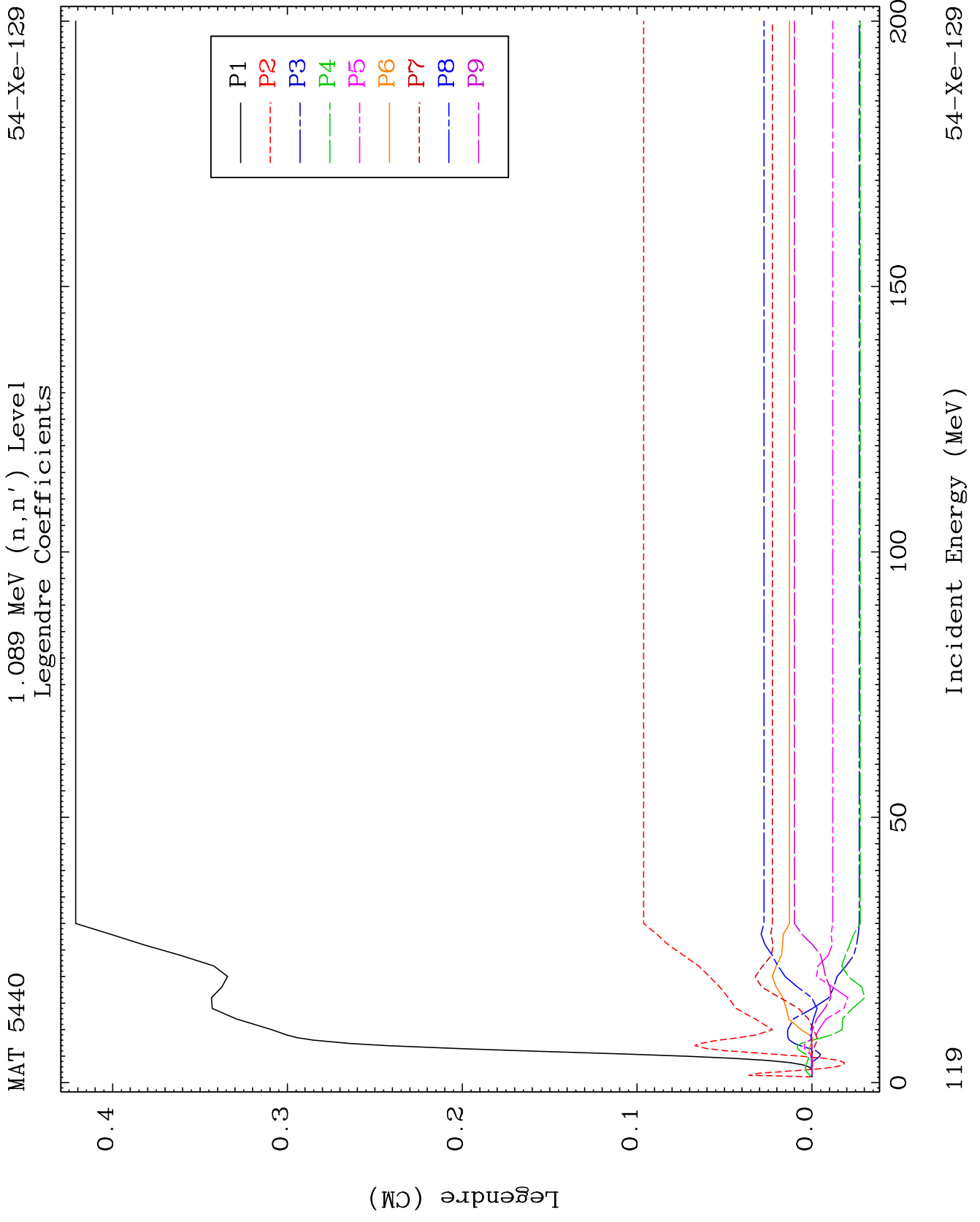
1.060 MeV (n, n') Level
Legendre Coefficients

54-Xe-129



118

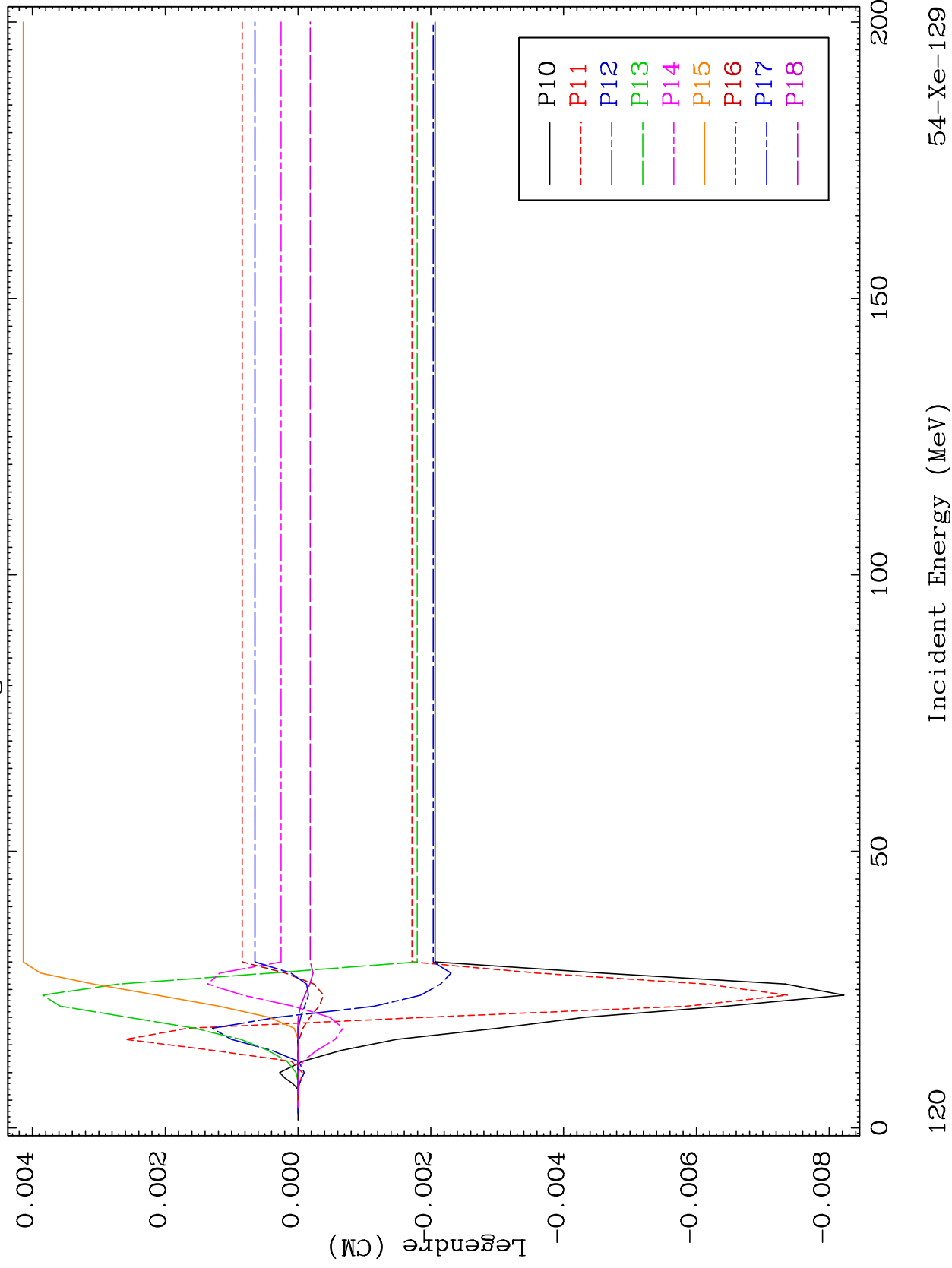
54-Xe-129



MAT 5440

1.089 MeV (n,n') Level
Legendre Coefficients

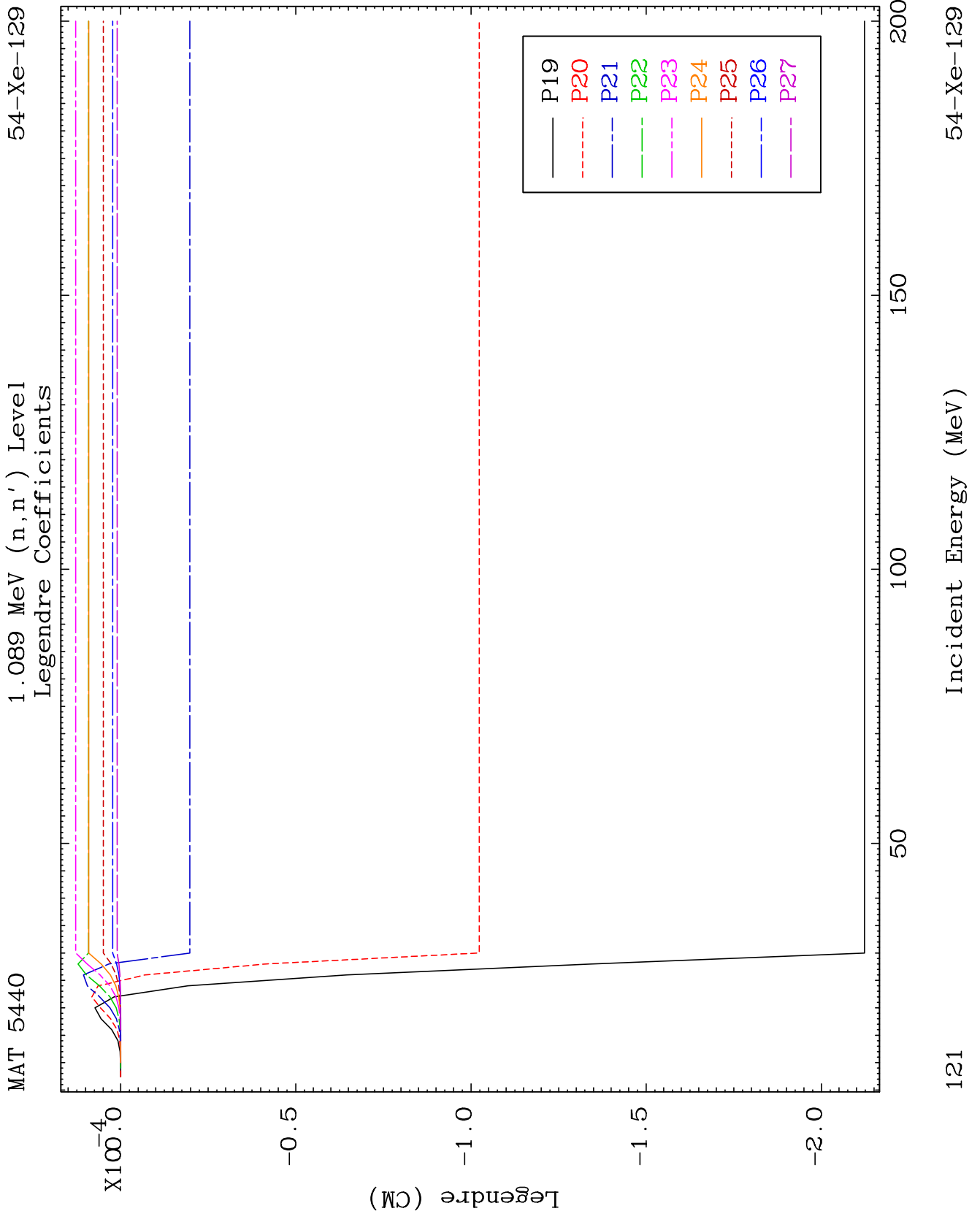
54-Xe-129



54-Xe-129

Incident Energy (MeV)

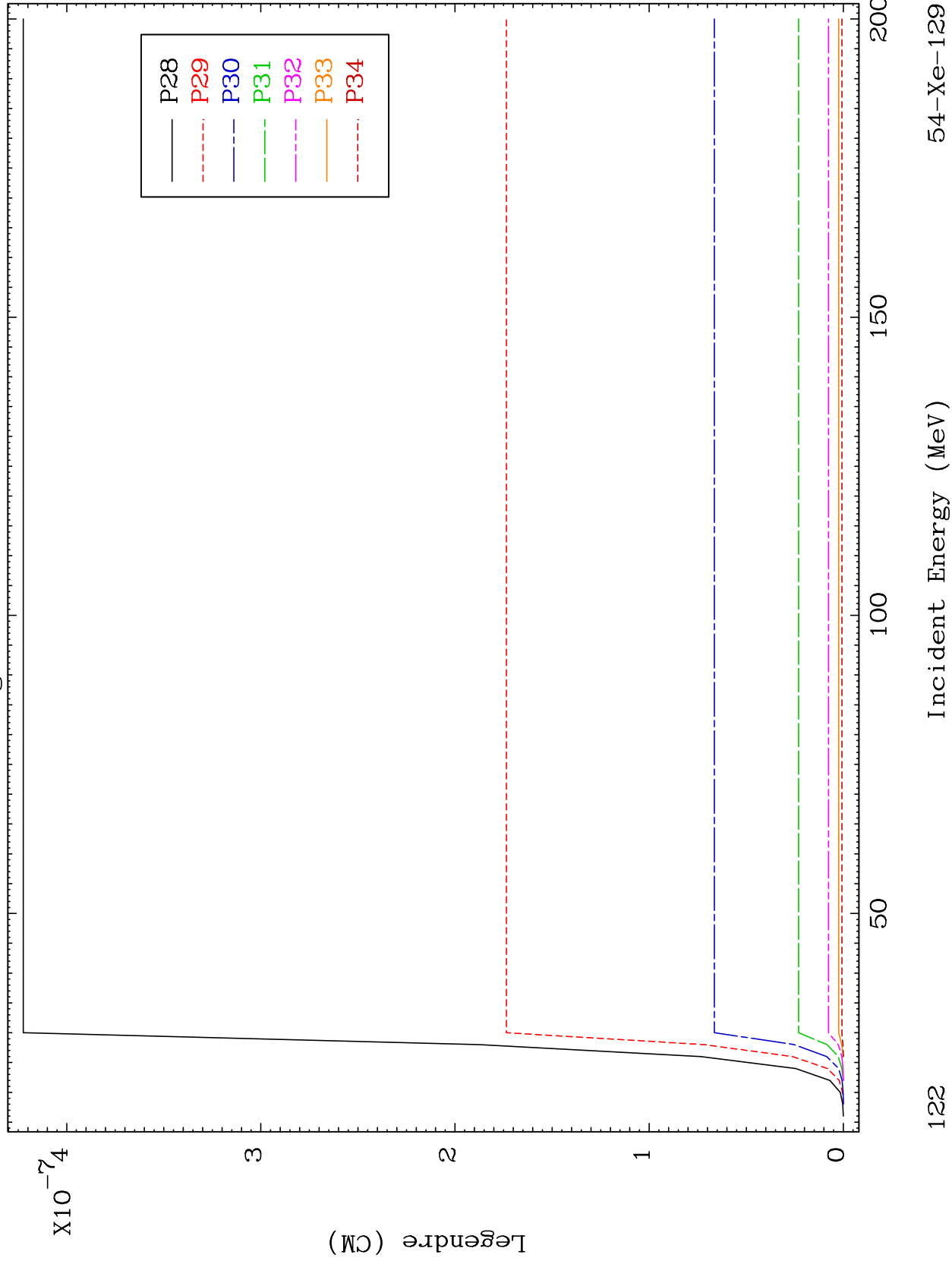
120



MAT 5440

1.089 MeV (n, n') Level
Legendre Coefficients

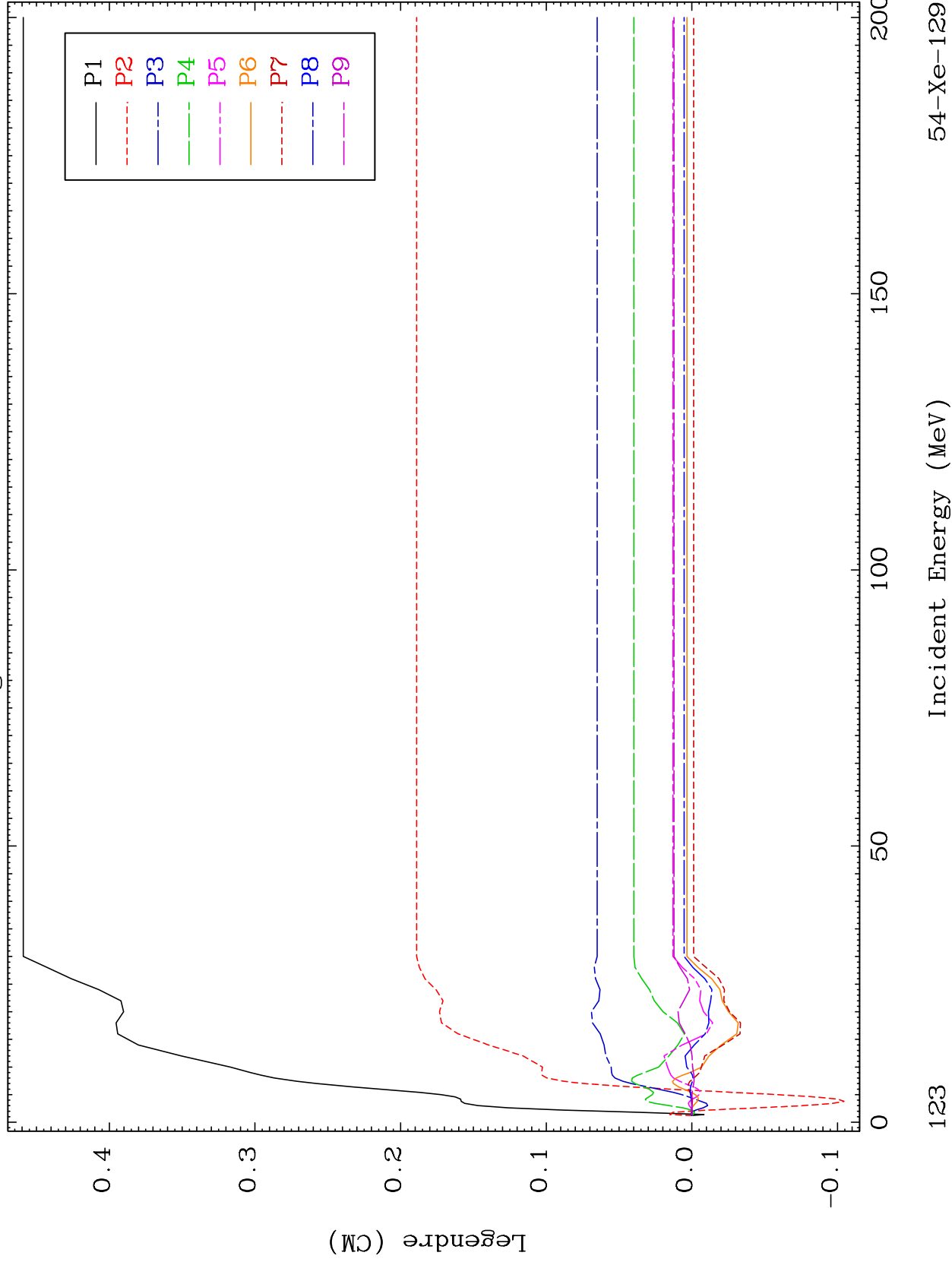
54-Xe-129



MAT 5440

1.194 MeV (n,n') Level
Legendre Coefficients

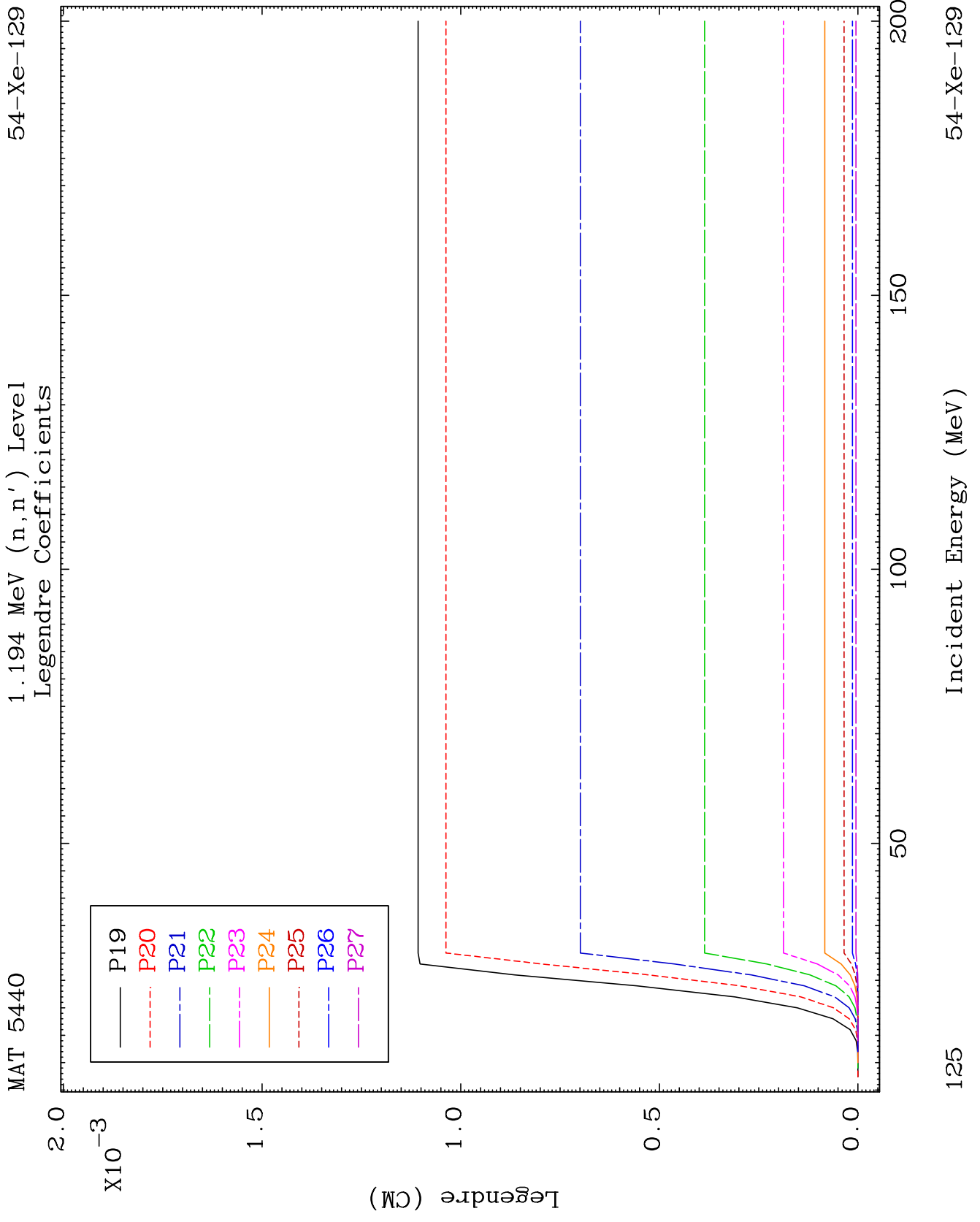
54-Xe-129



54-Xe-129

Incident Energy (MeV)

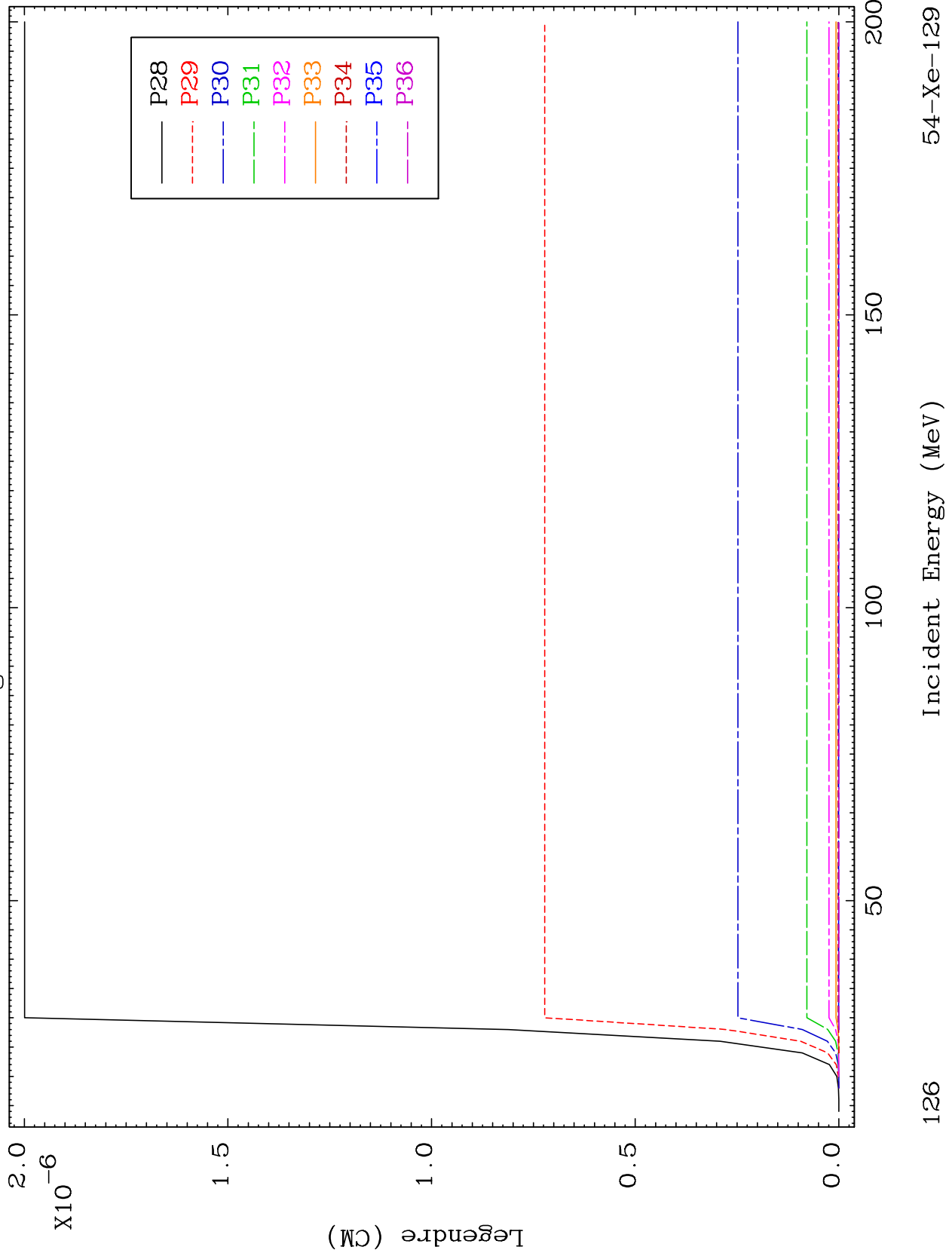
123



MAT 5440

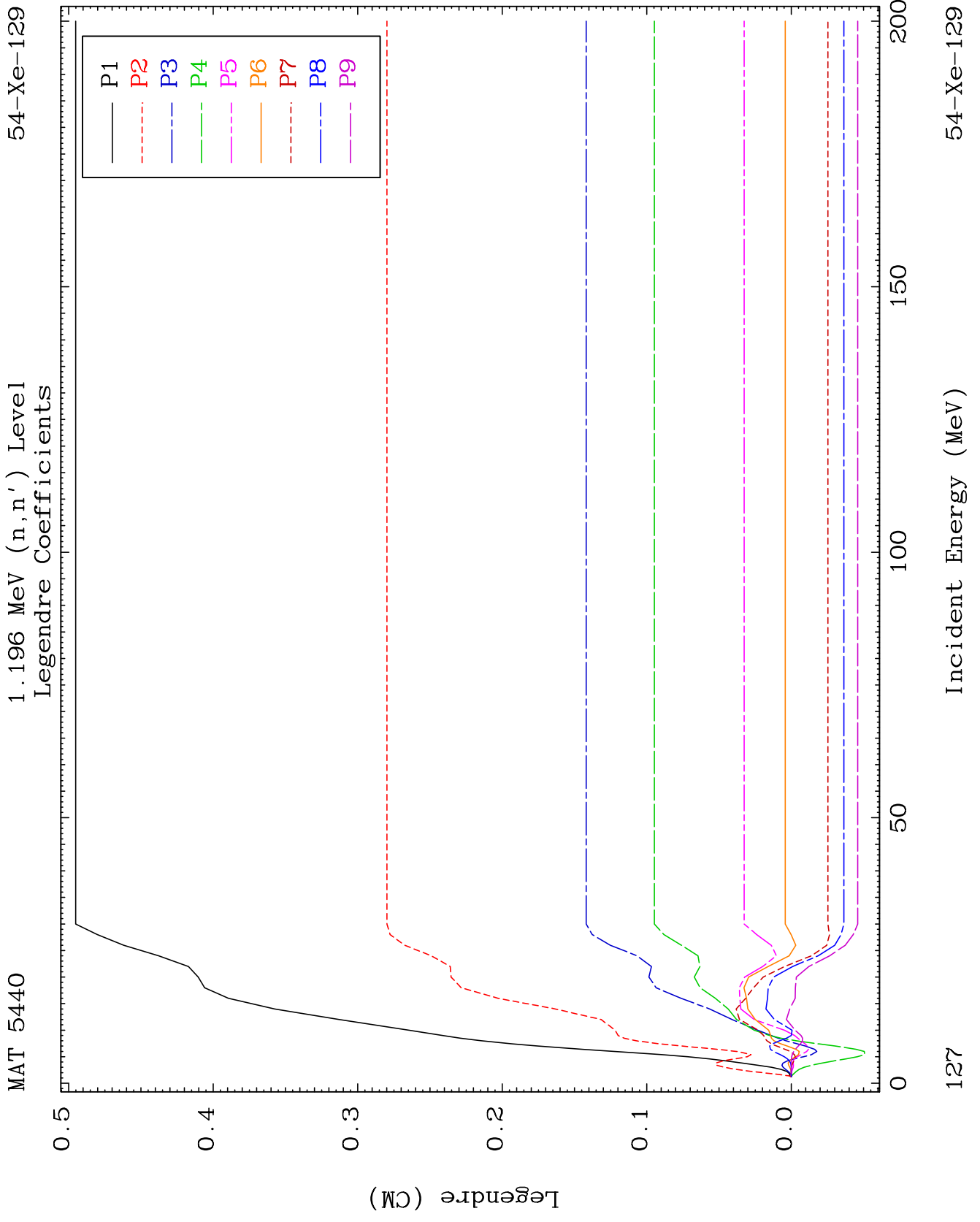
1.194 MeV (n, n') Level
Legendre Coefficients

54-Xe-129



126

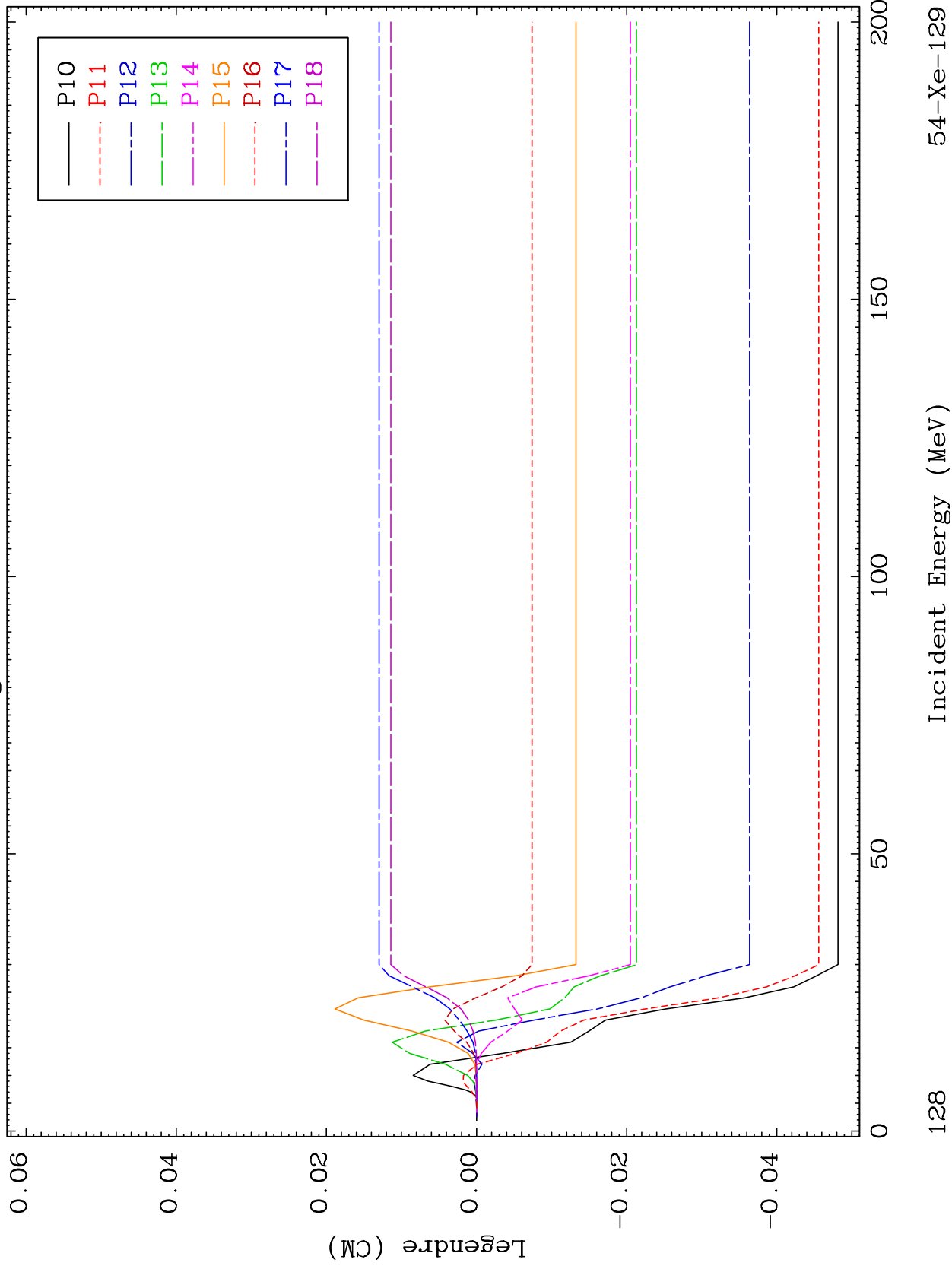
54-Xe-129



MAT 5440

1.196 MeV (n,n') Level
Legendre Coefficients

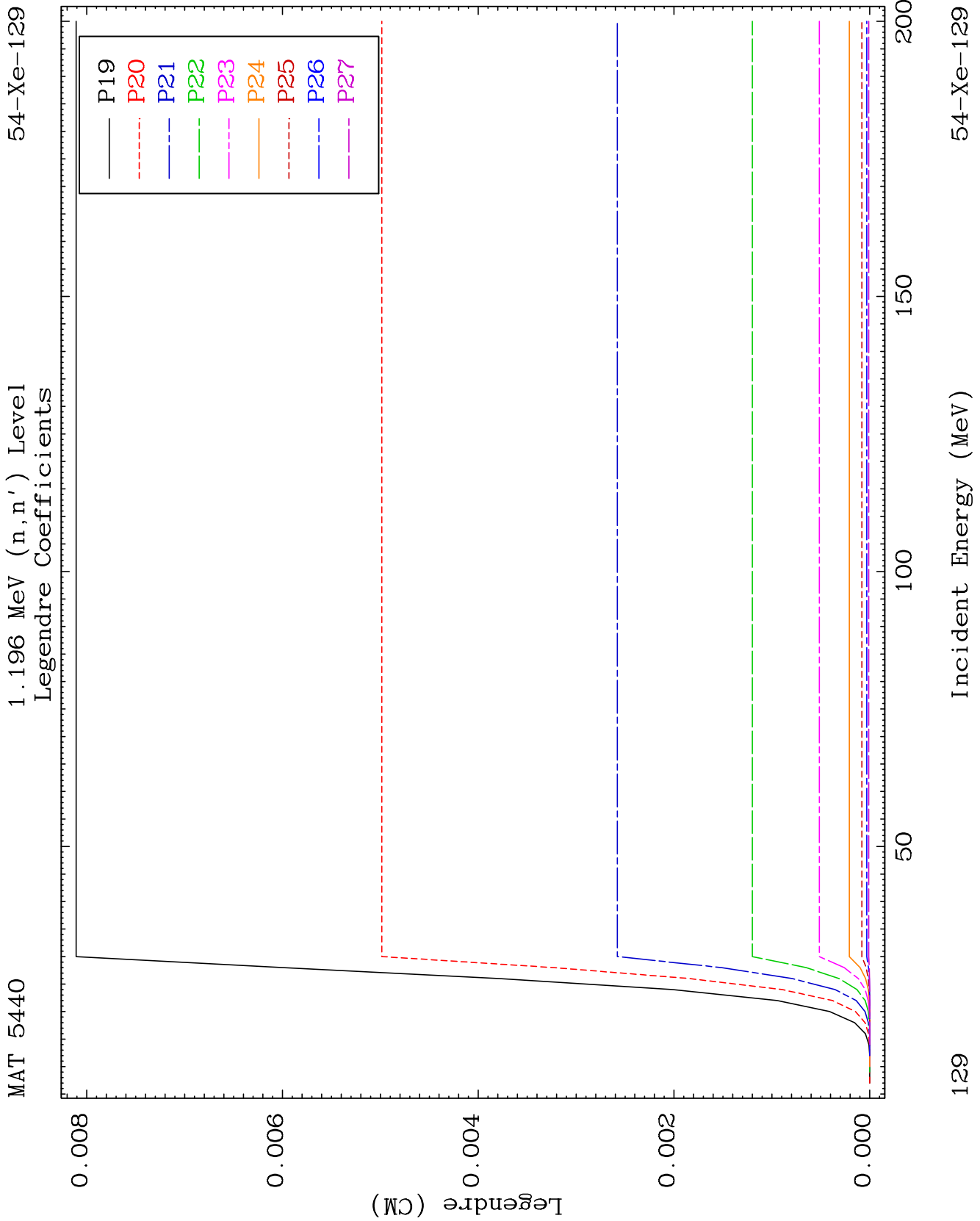
54-Xe-129

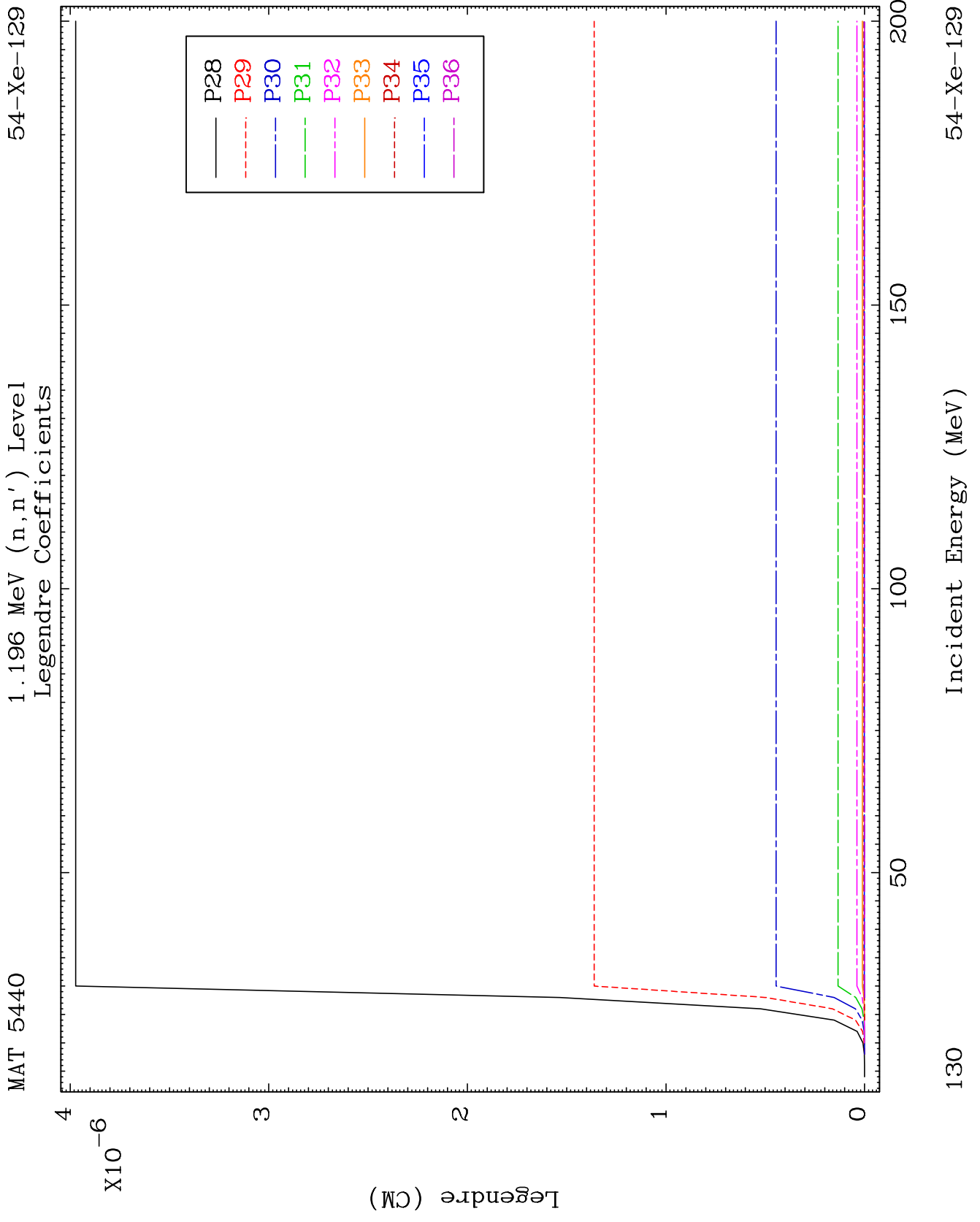


128

Incident Energy (MeV)

54-Xe-129

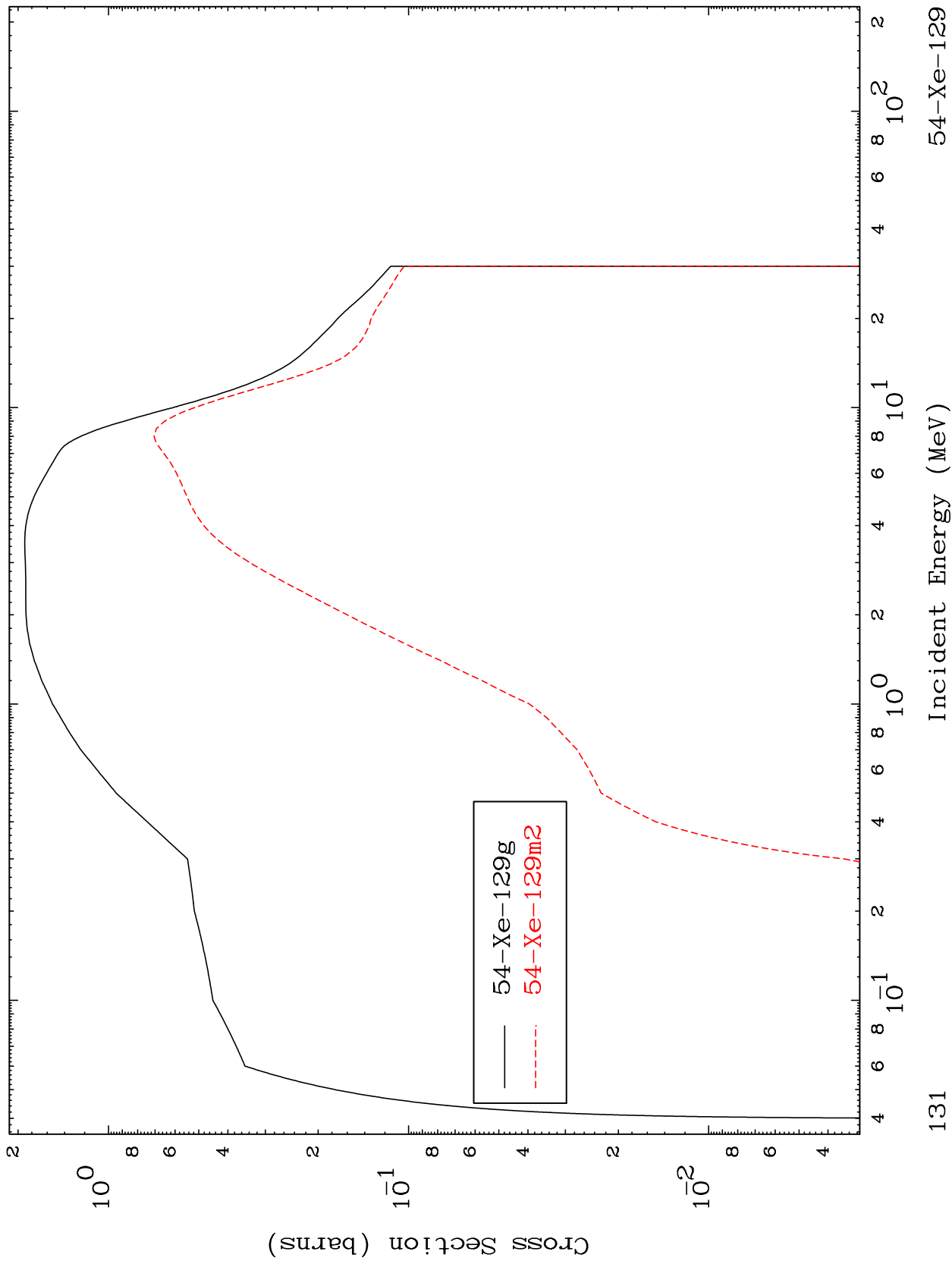




MAT 5440

54-Xe-129

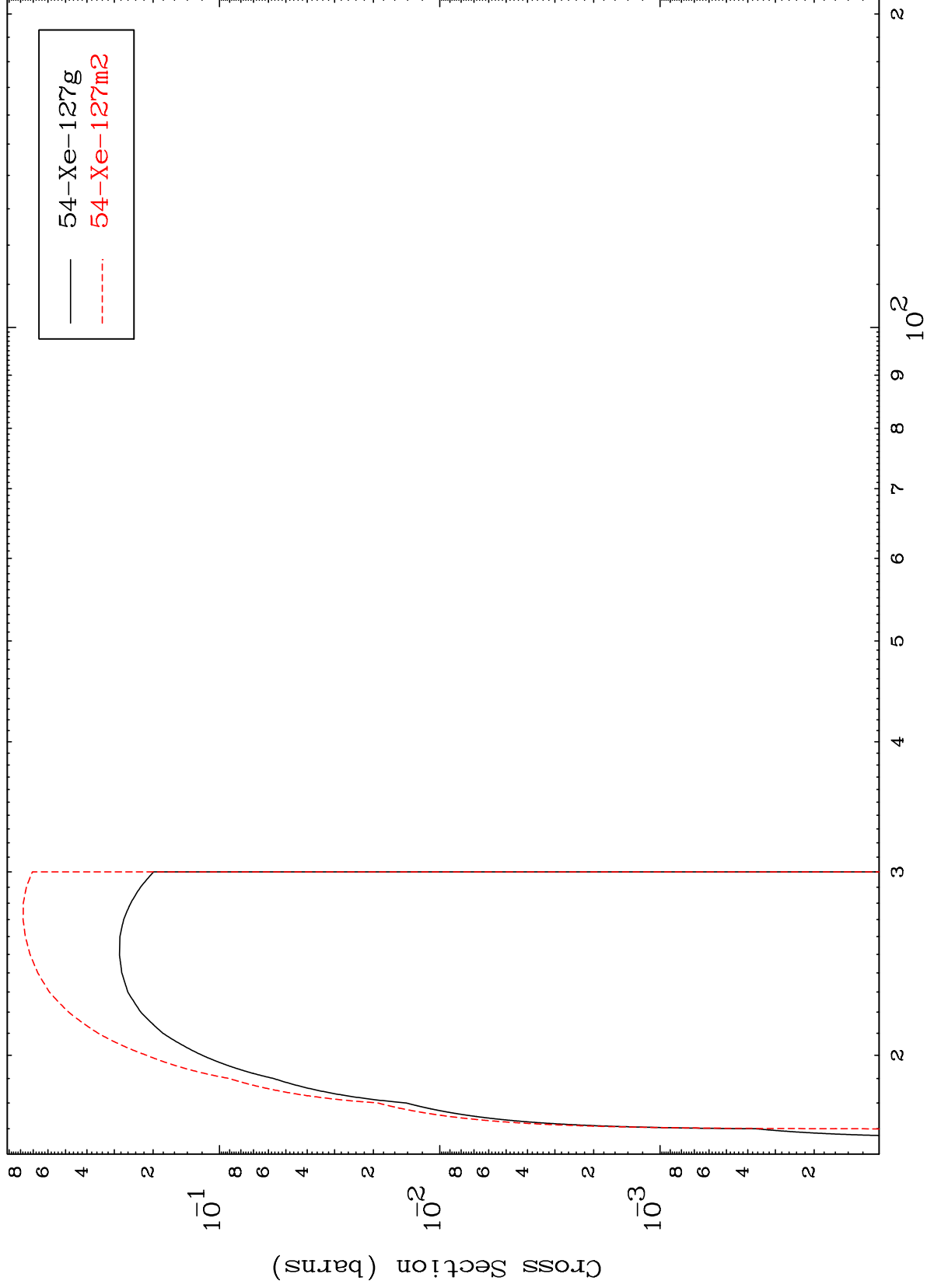
Inelastic
Radionuclide Production Cross Section



131

54-Xe-129

Radionuclide Production Cross Section

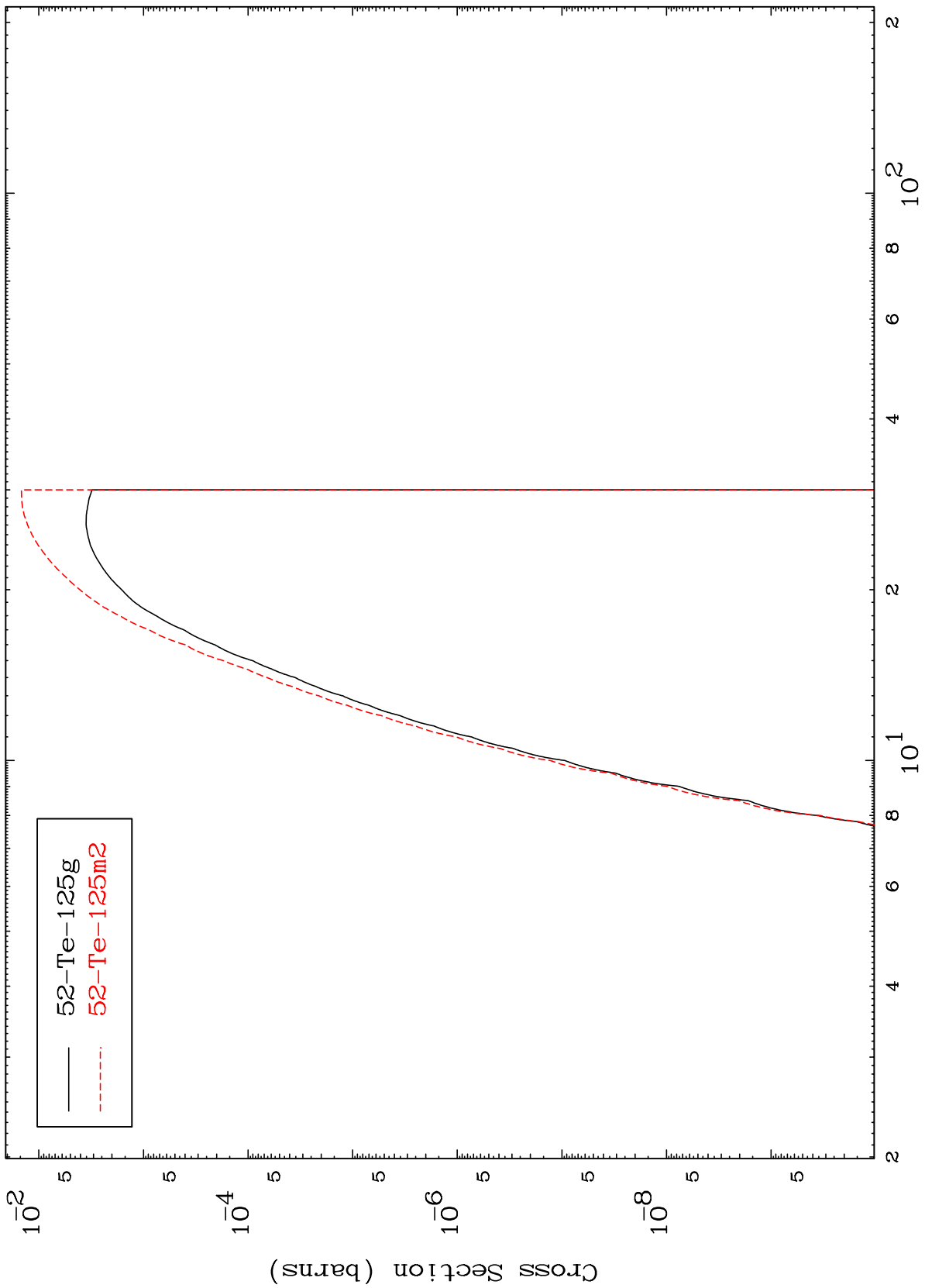


MAT 5440

54-Xe-129

(n,n') α

Radionuclide Production Cross Section

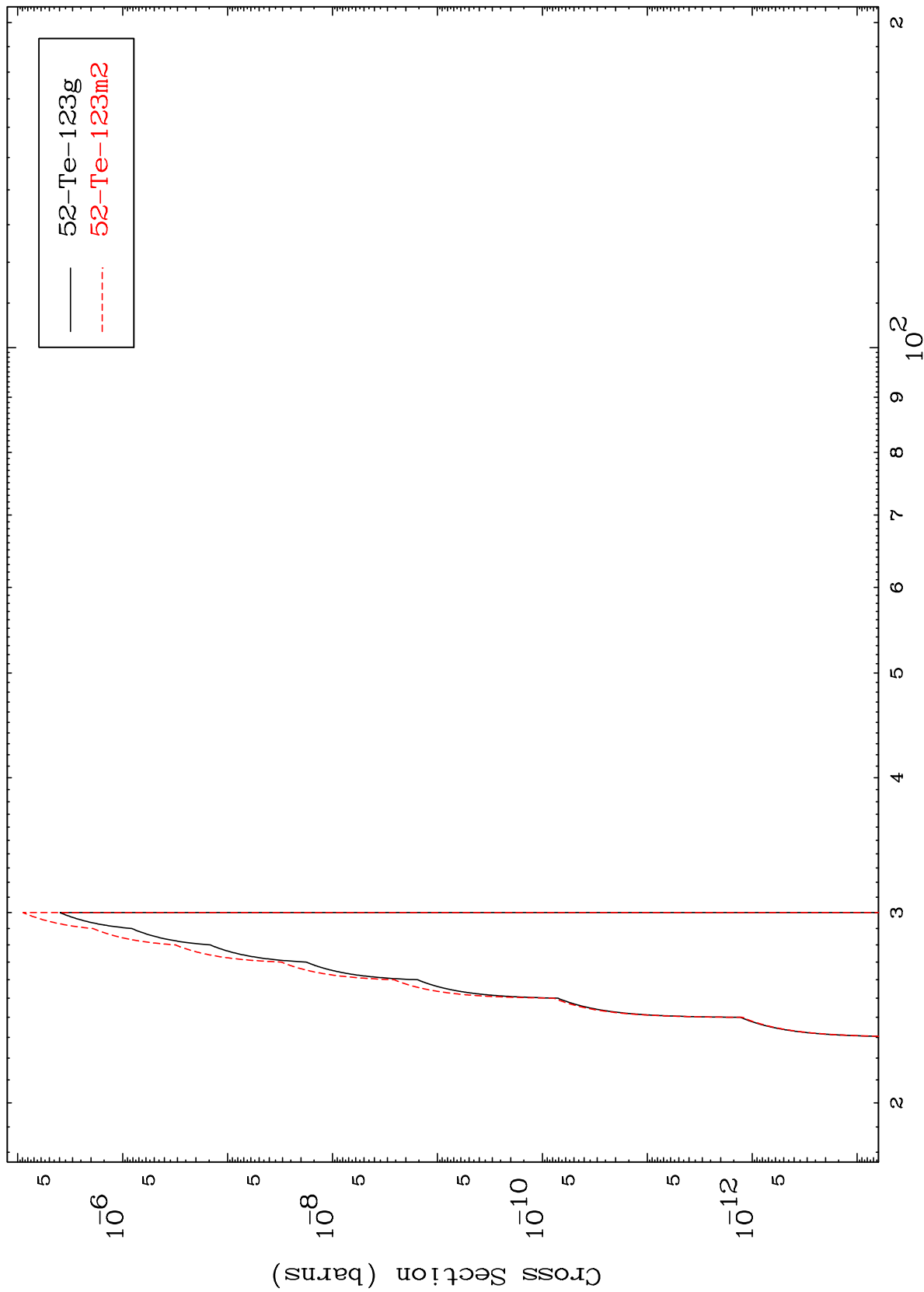


MAT 5440

(n,3n) α

54-Xe-129

Radionuclide Production Cross Section



134

Incident Energy (MeV)

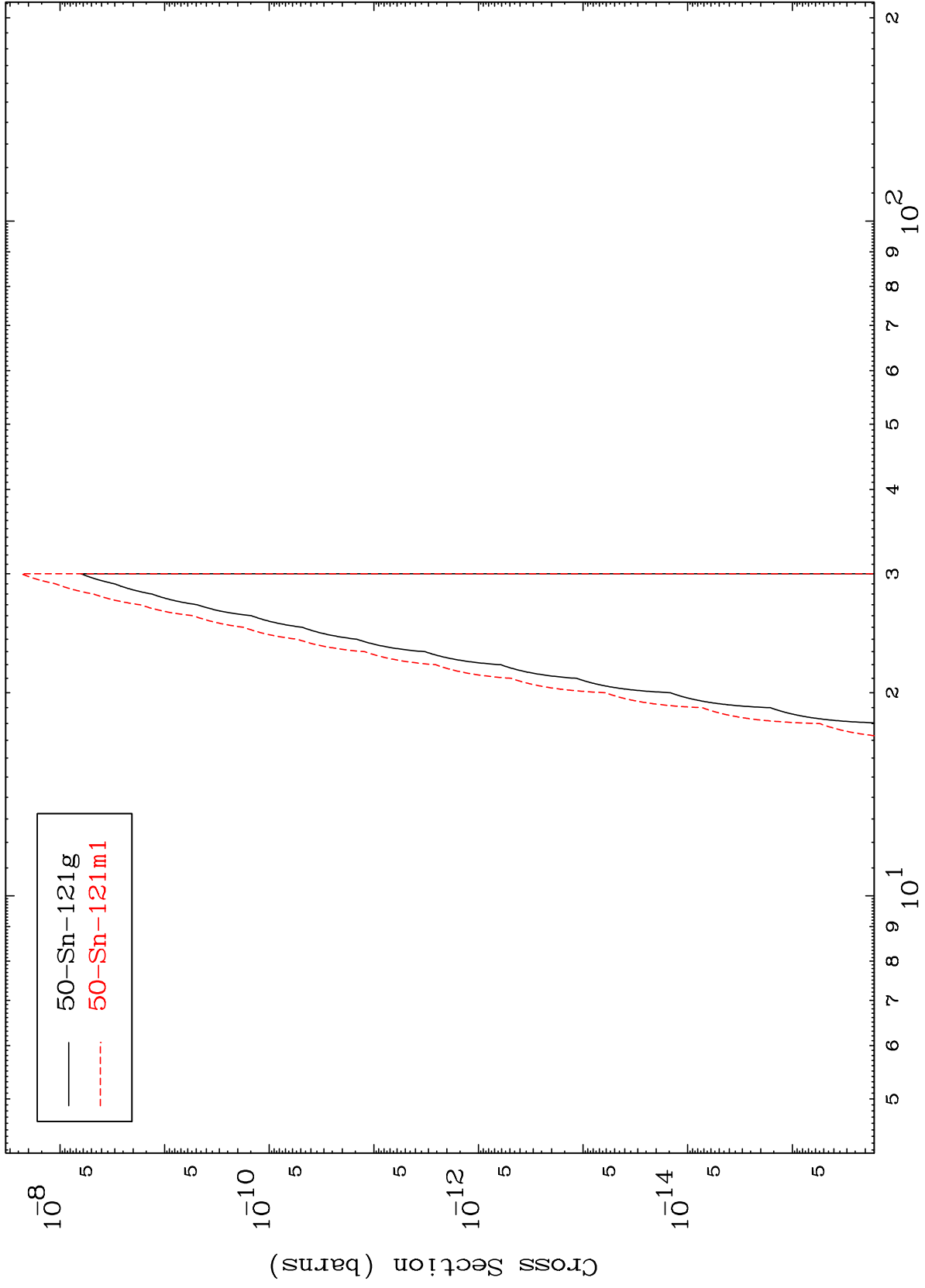
54-Xe-129

MAT 5440

(n,n') 2α

54-Xe-129

Radionuclide Production Cross Section

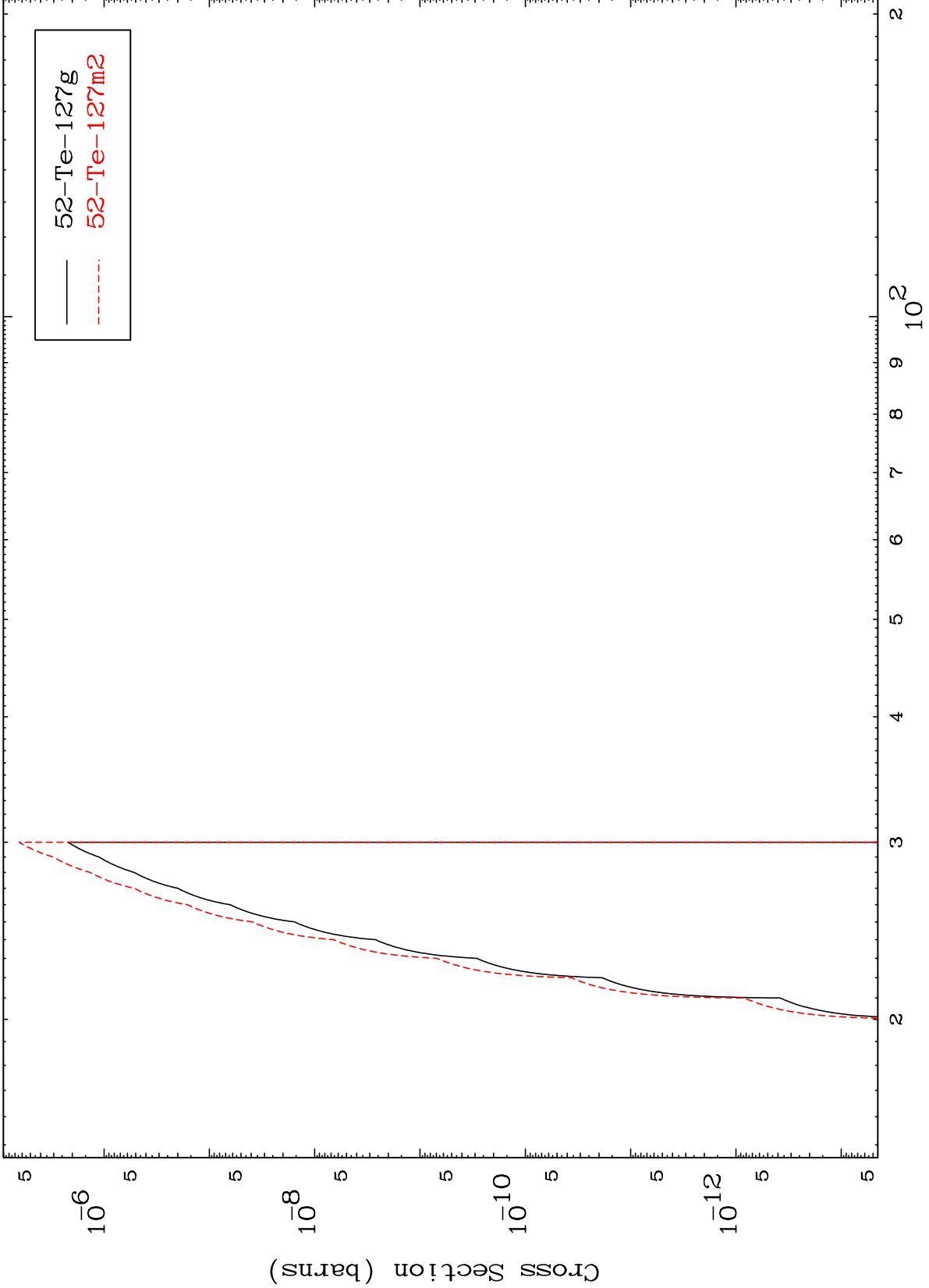


135

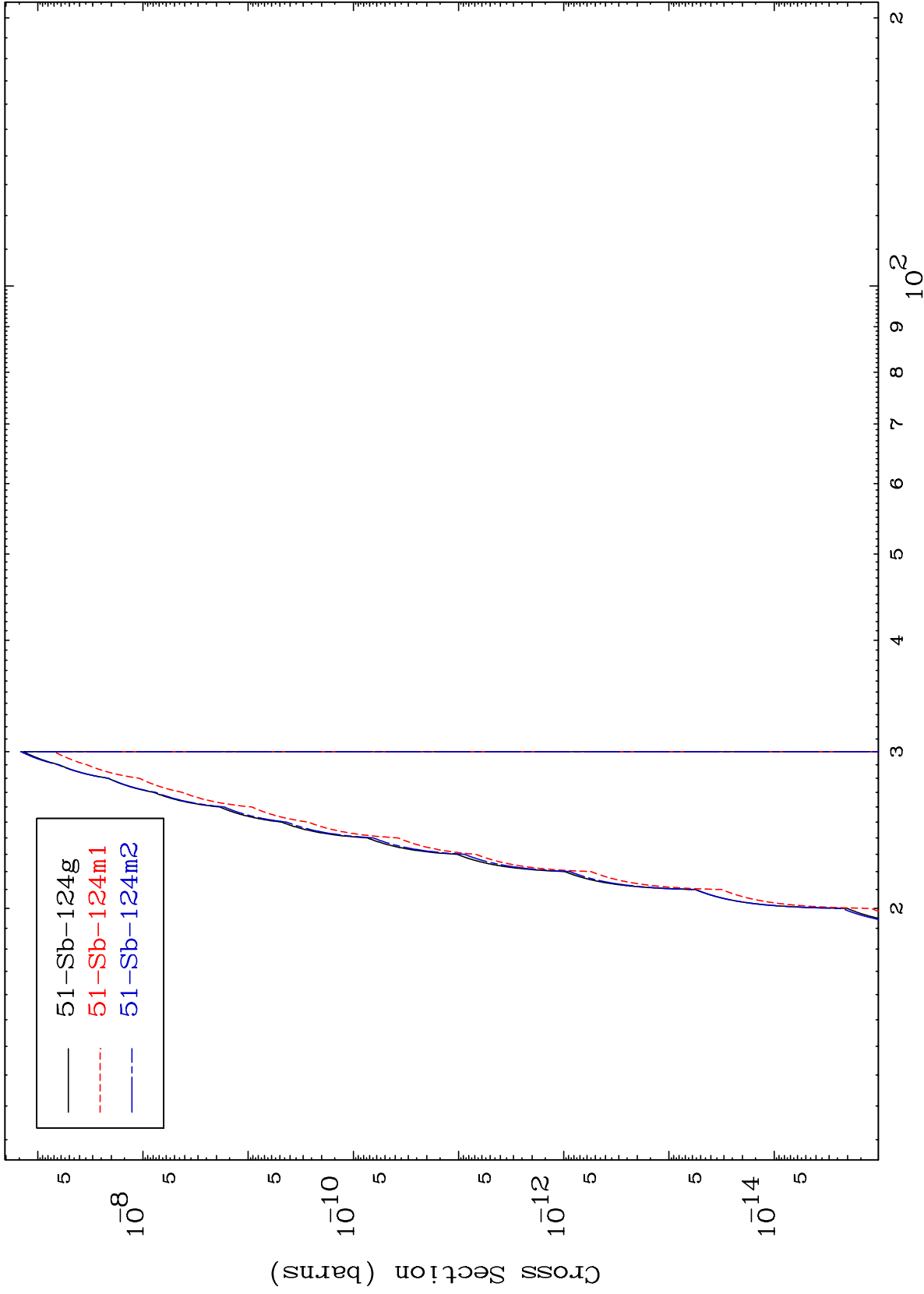
Incident Energy (MeV)

54-Xe-129

Radionuclide Production Cross Section



Radionuclide Production Cross Section

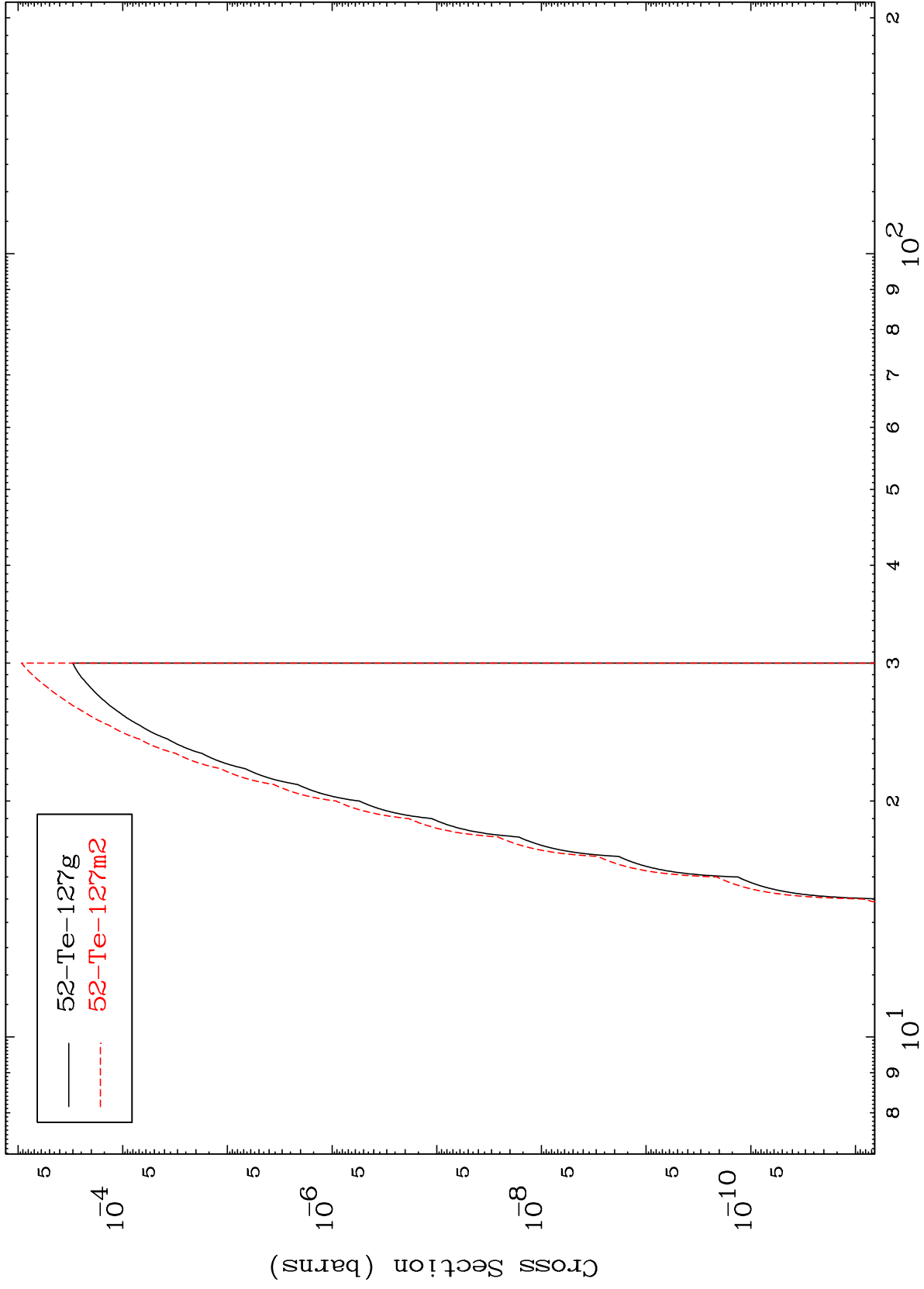


MAT 5440

(n,He-3)

54-Xe-129

Radionuclide Production Cross Section

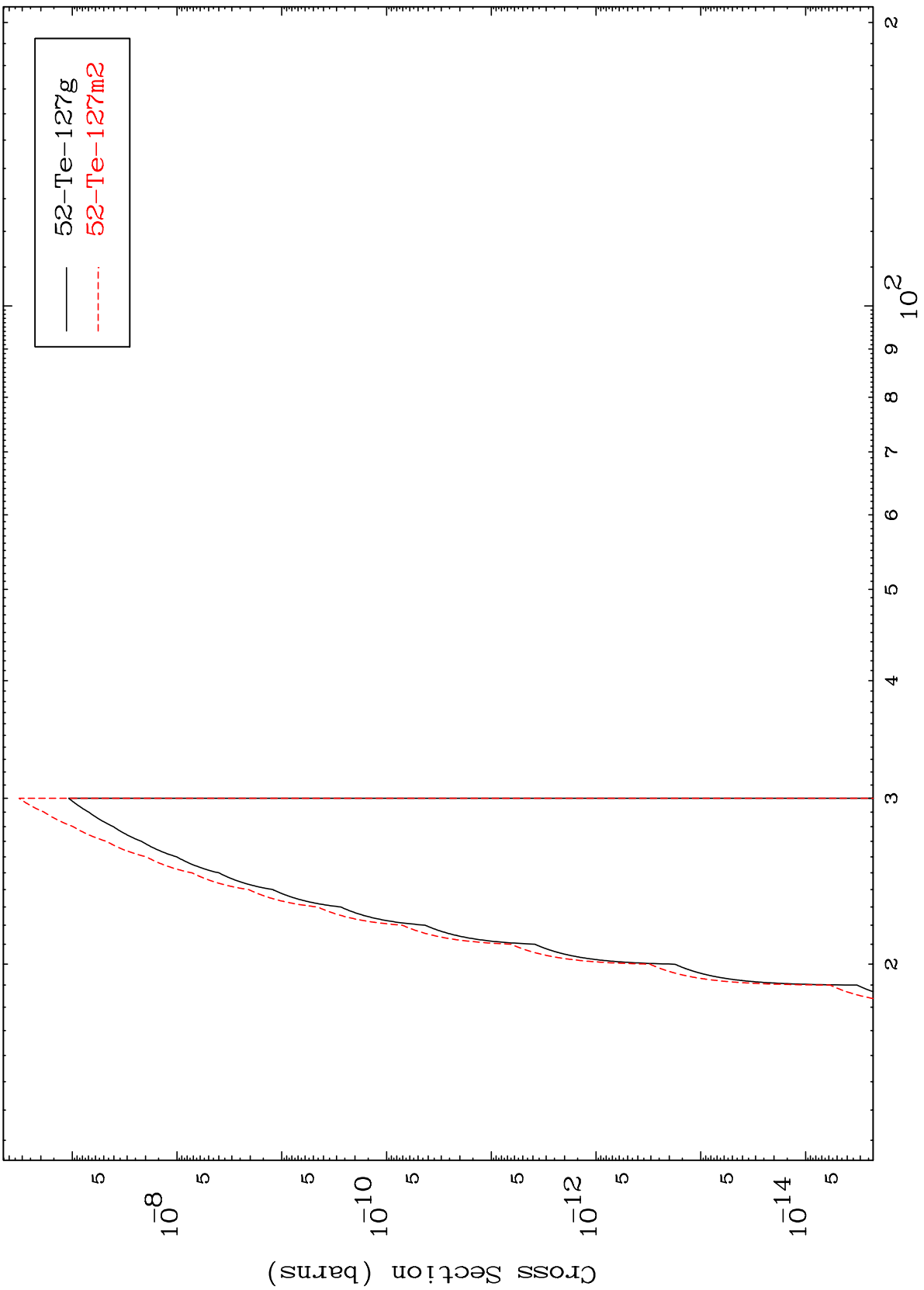


138

Incident Energy (MeV)

54-Xe-129

Radionuclide Production Cross Section

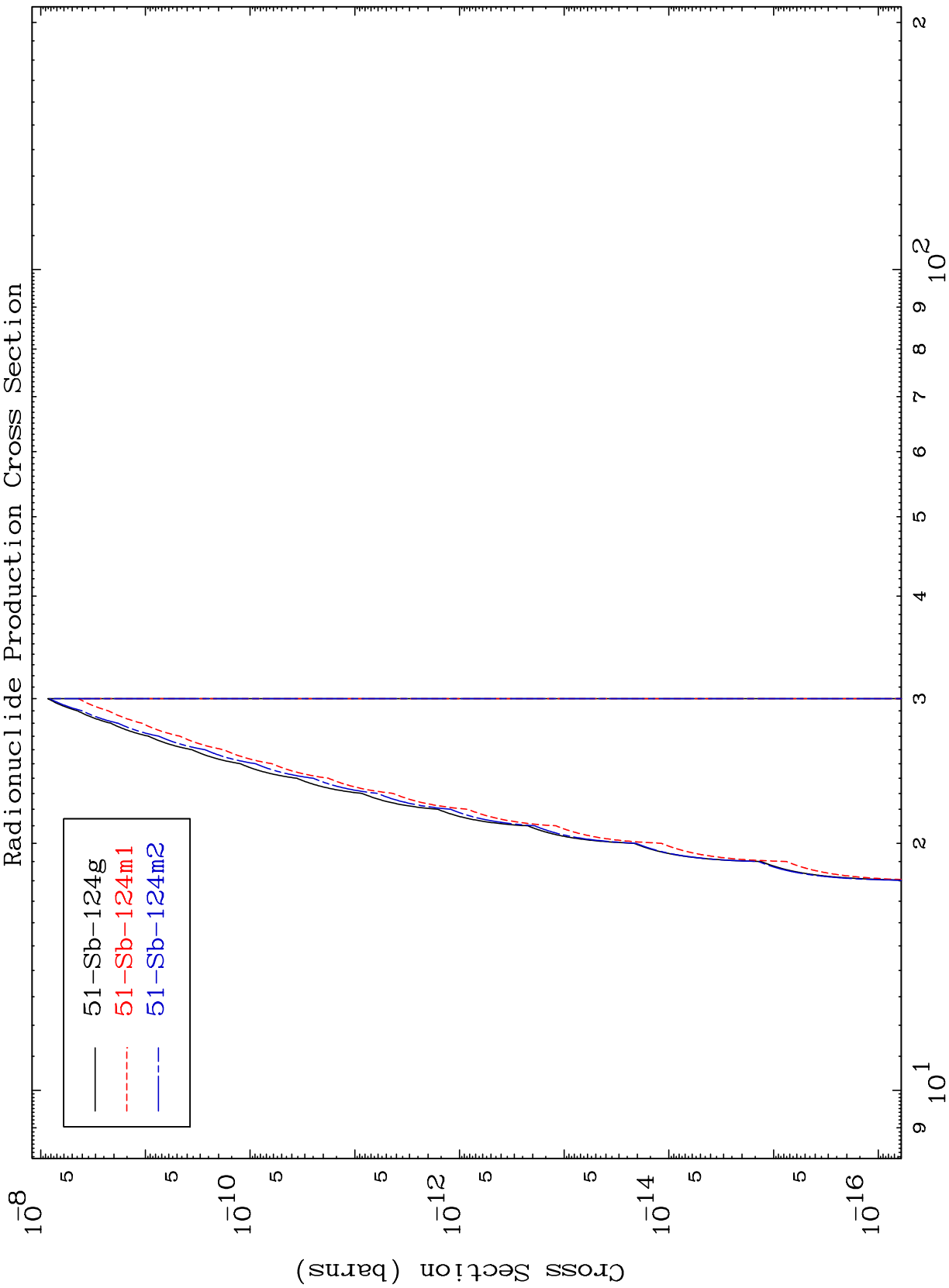


MAT 5440

(n,d) α

54-Xe-129

Radionuclide Production Cross Section



51-Sb-124g
51-Sb-124m1
51-Sb-124m2

140

Incident Energy (MeV)

54-Xe-129