

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

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

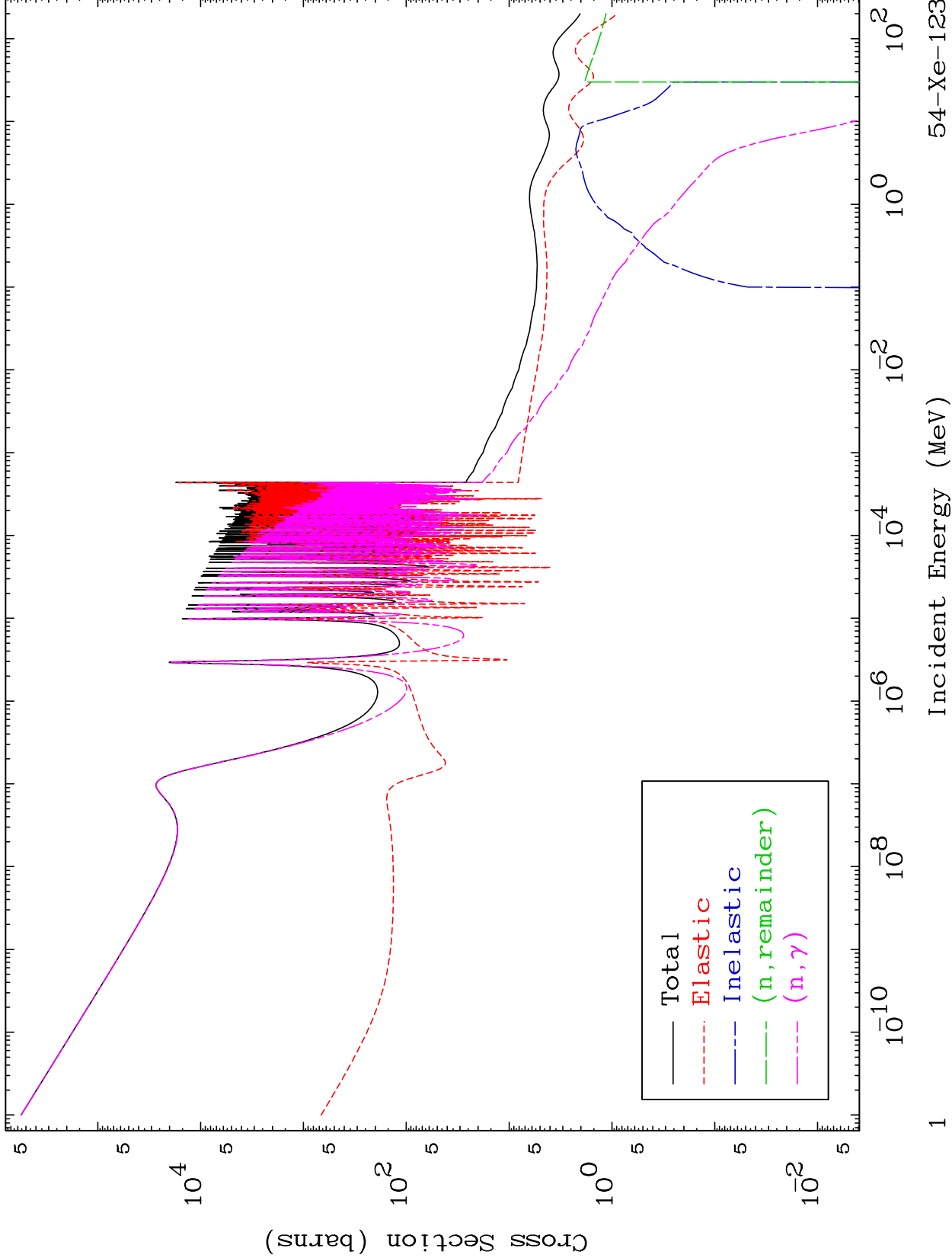
Press Mouse Button to Start

MAT 5422

Major

293 Kelvin Cross Sections

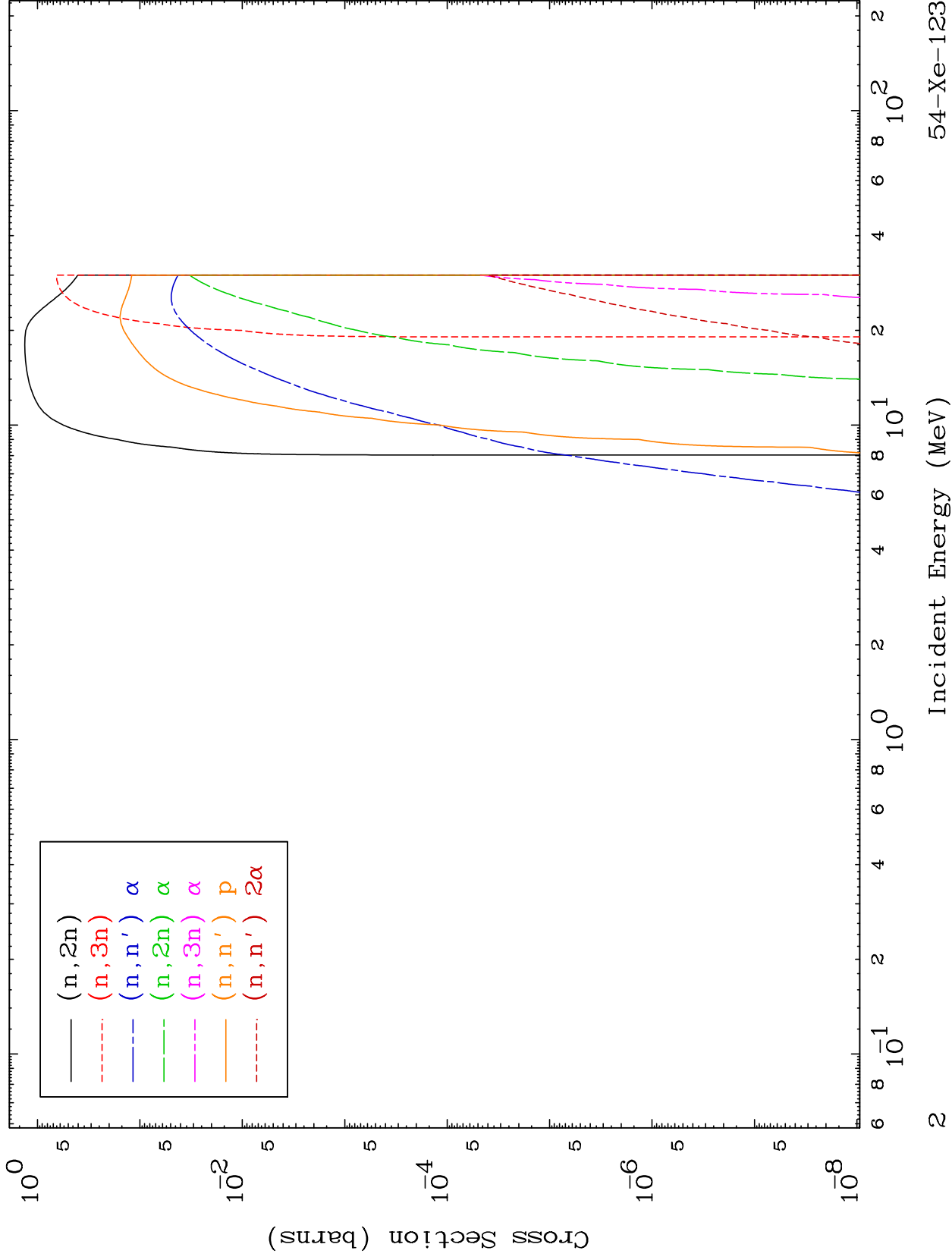
54-Xe-123

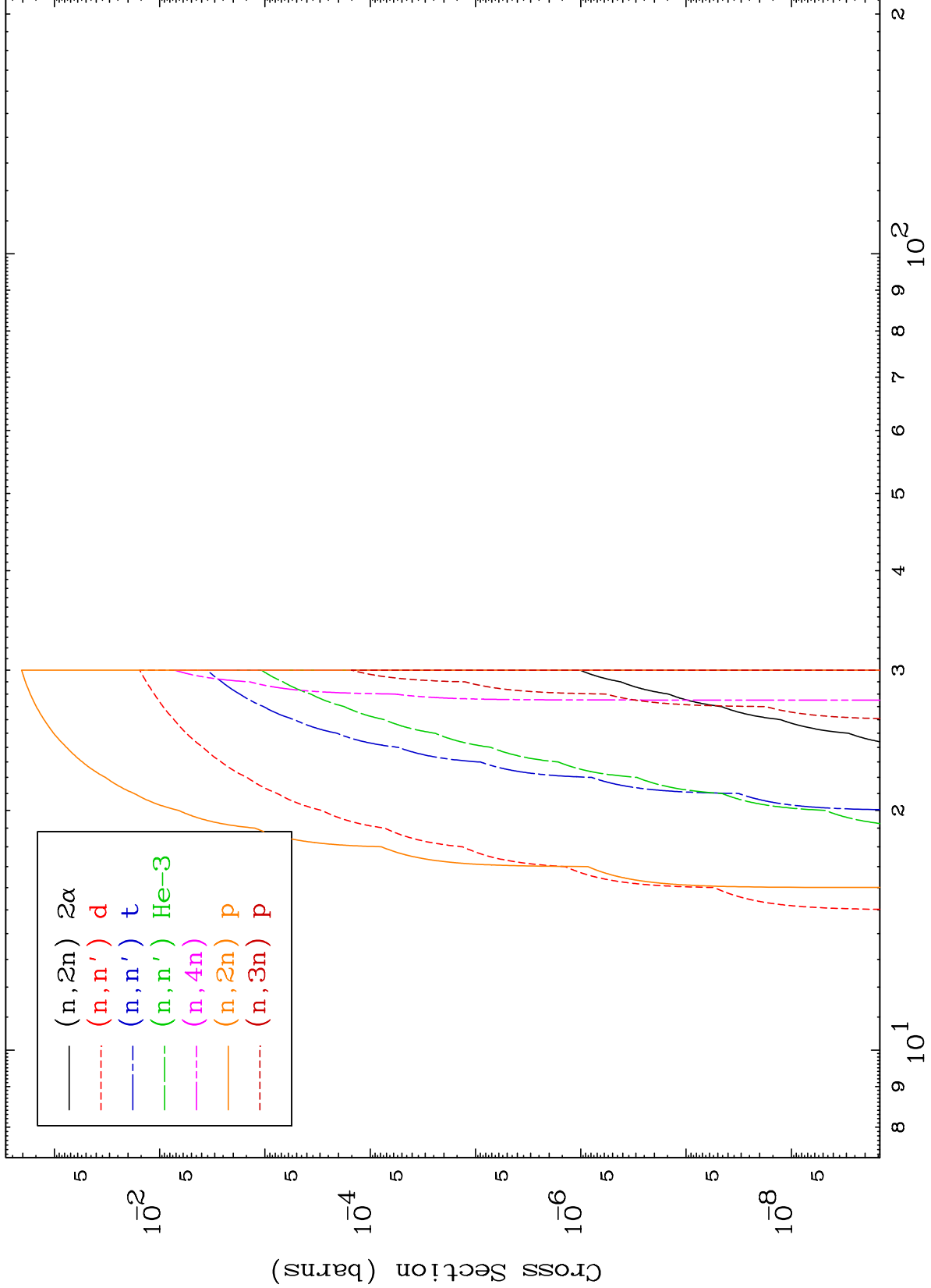


MAT 5422

Neutron Production  
293 Kelvin Cross Sections

54-Xe-123

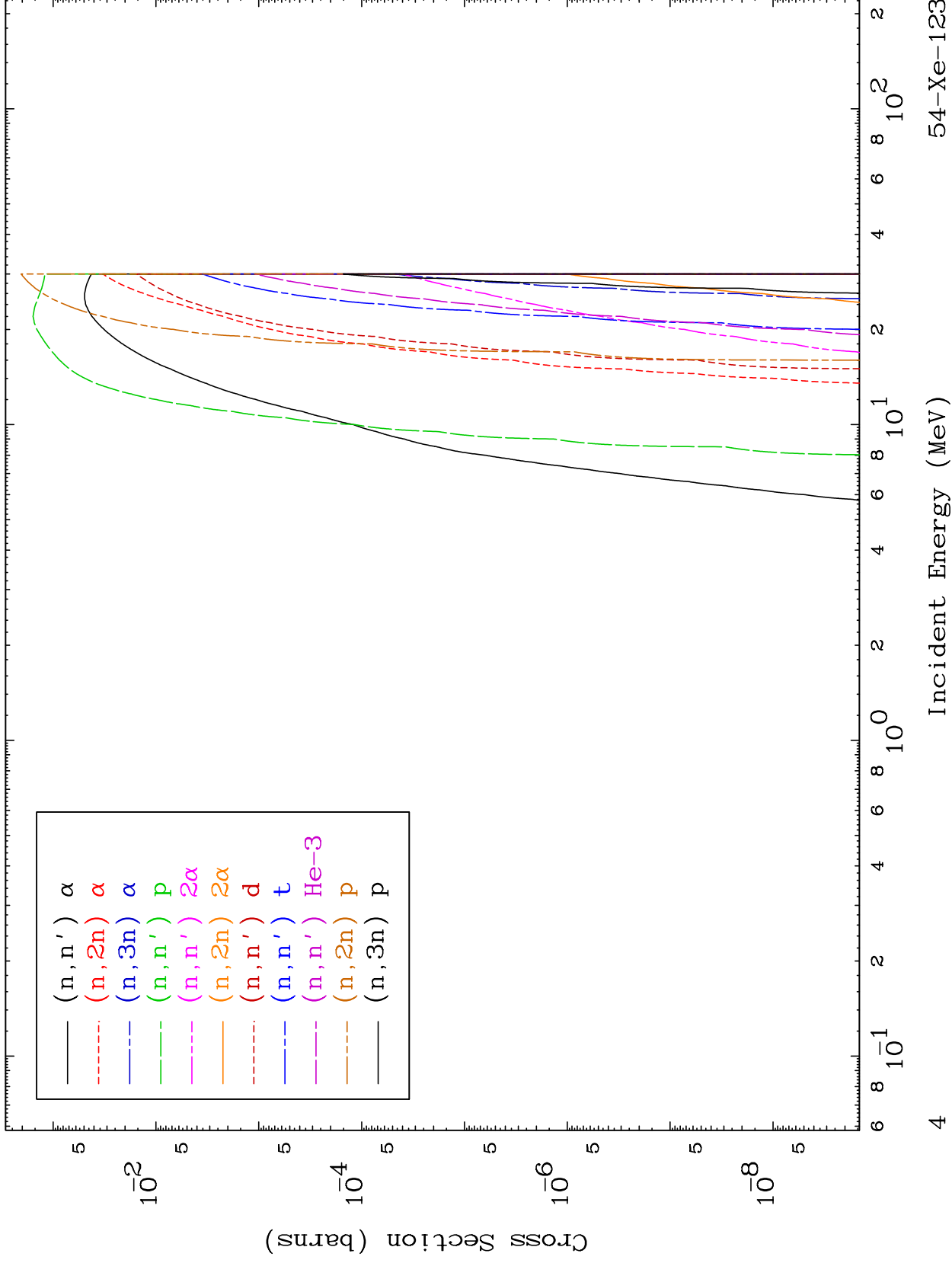




MAT 5422

293 Kelvin Cross Sections  
Charged Particle

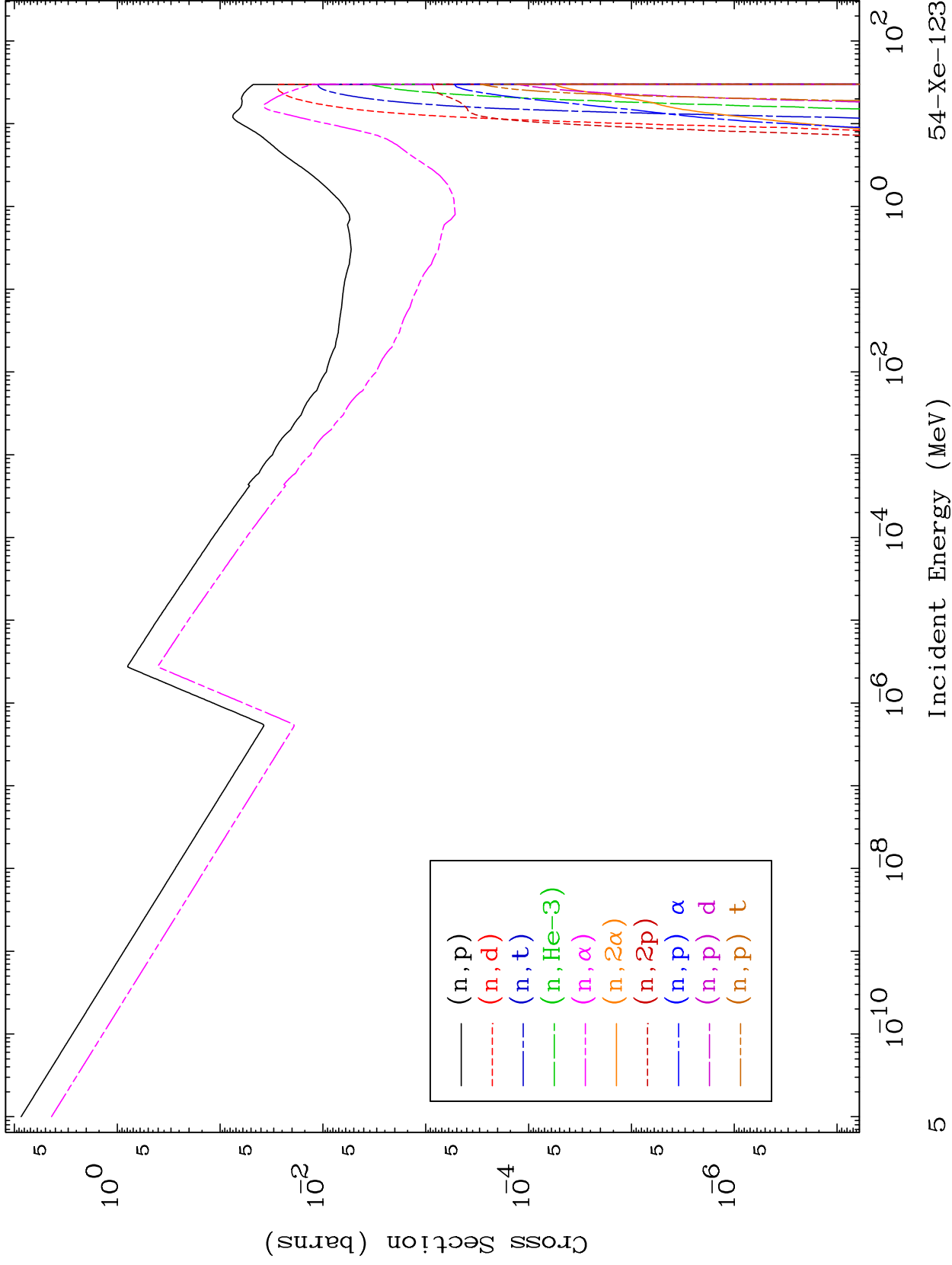
54-Xe-123

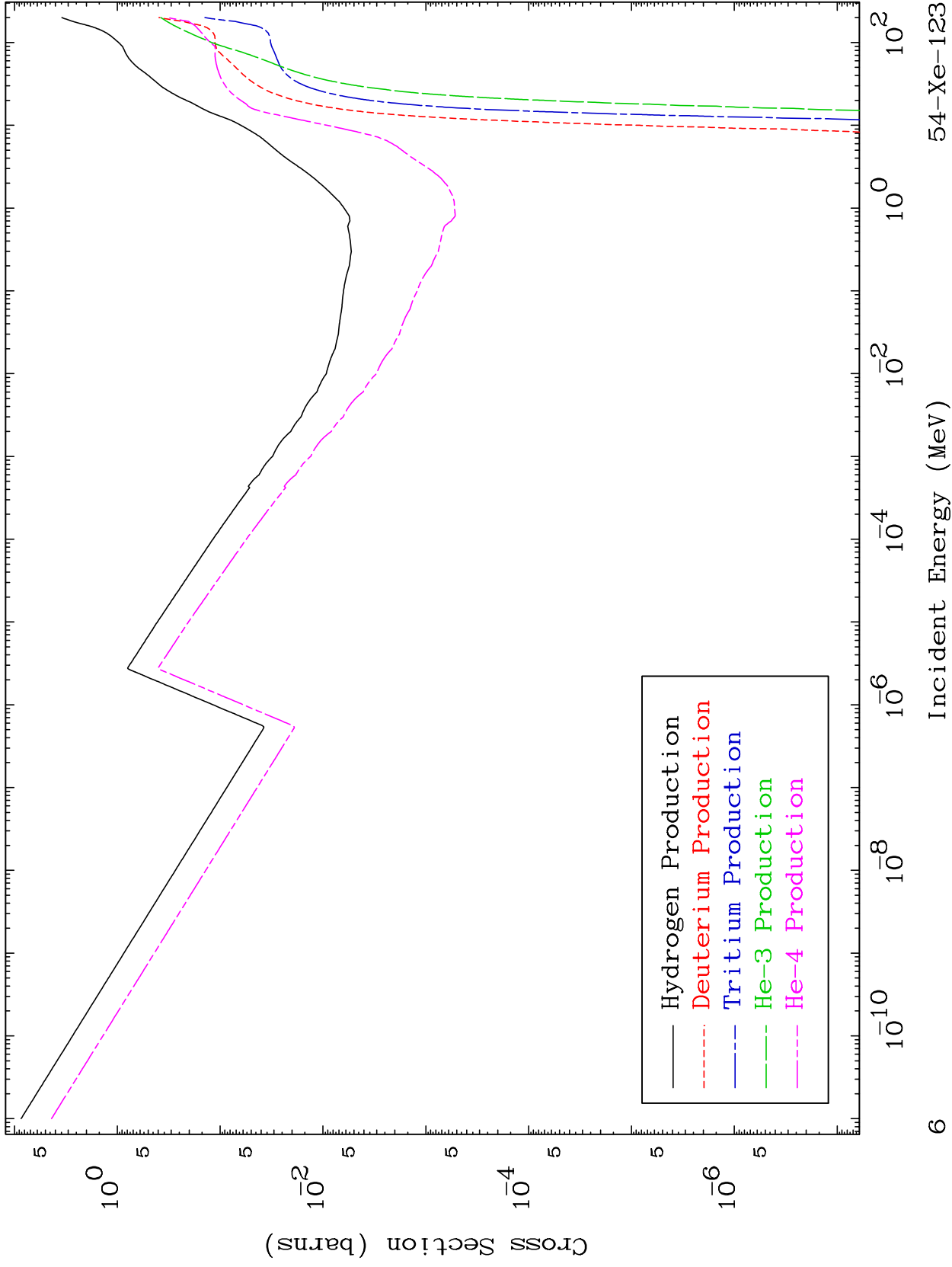


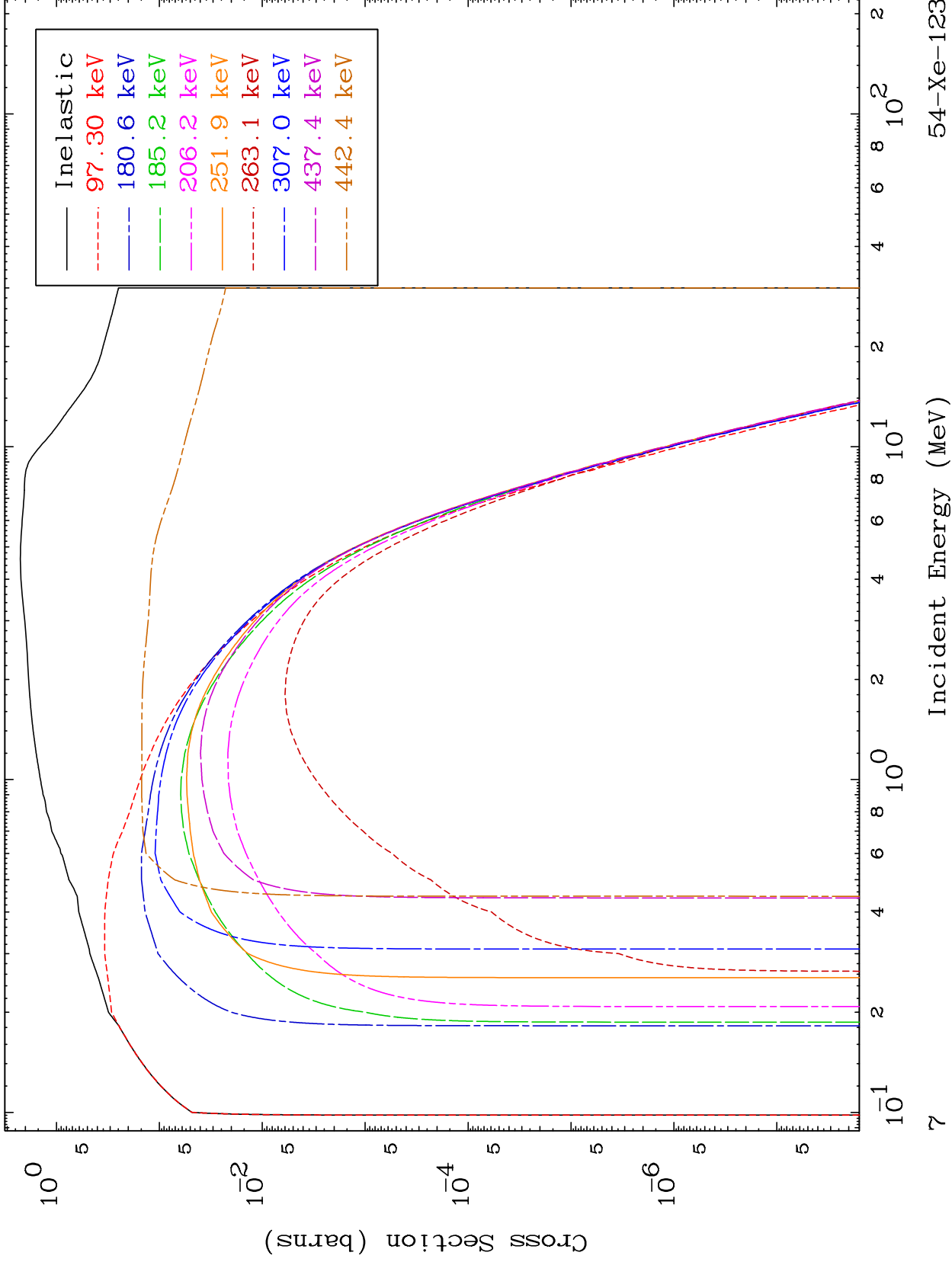
MAT 5422

Charged Particle  
293 Kelvin Cross Sections

54-Xe-123







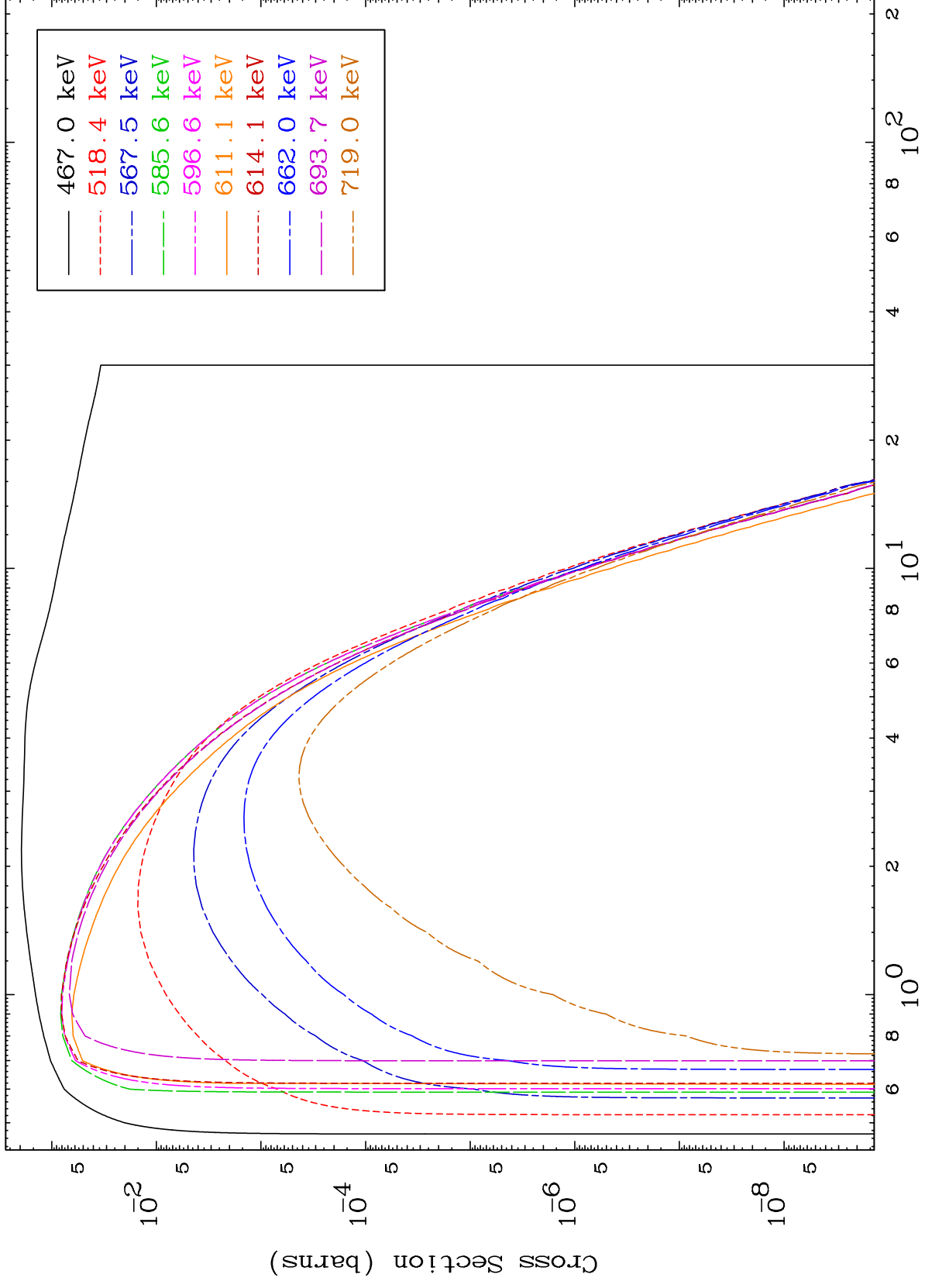


MAT 5422

(n,n') Level

54-Xe-123

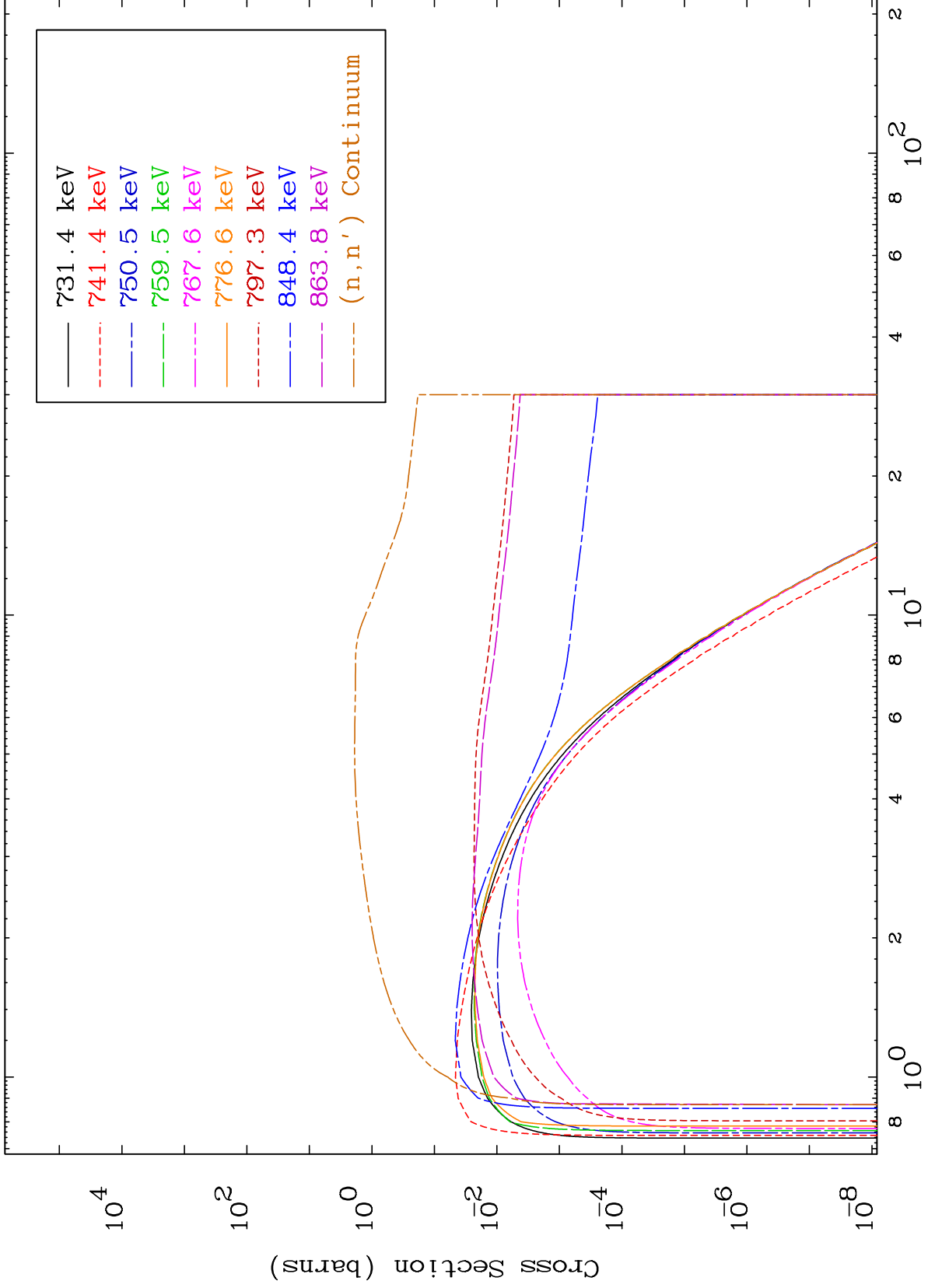
293 Kelvin Cross Sections



8

Incident Energy (MeV)

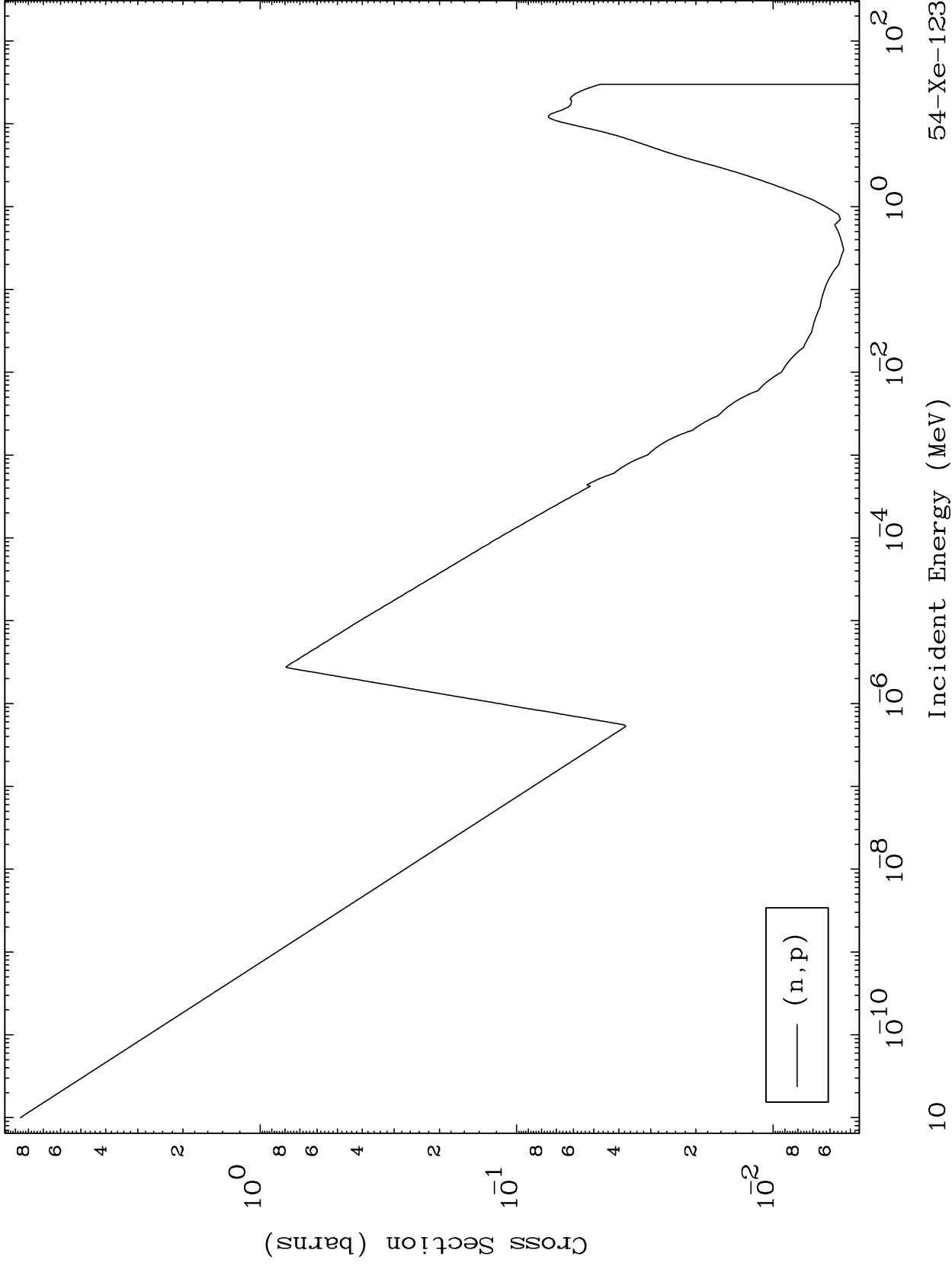
54-Xe-123



MAT 5422

(n,p) Levels  
293 Kelvin Cross Sections

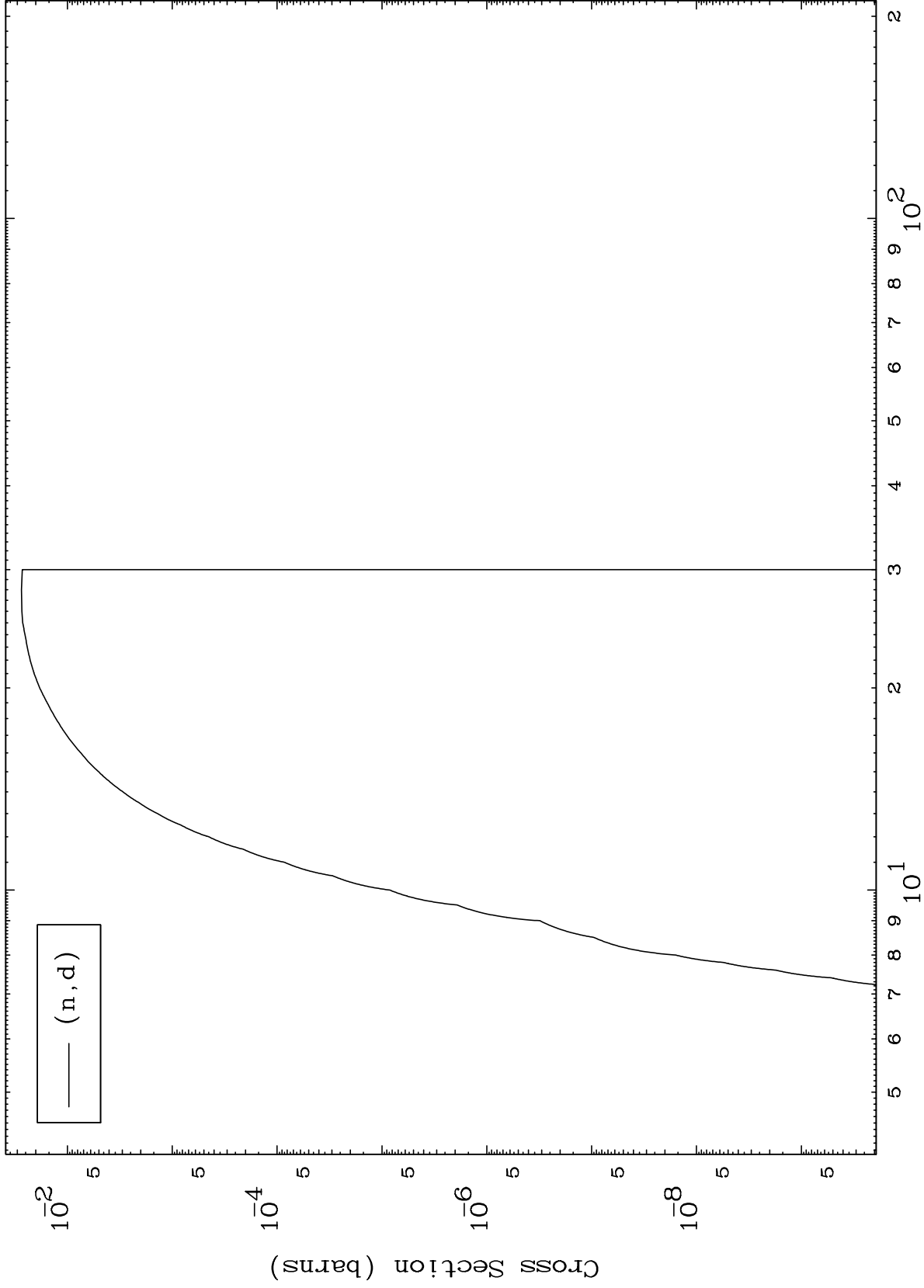
54-Xe-123



10

Incident Energy (MeV)

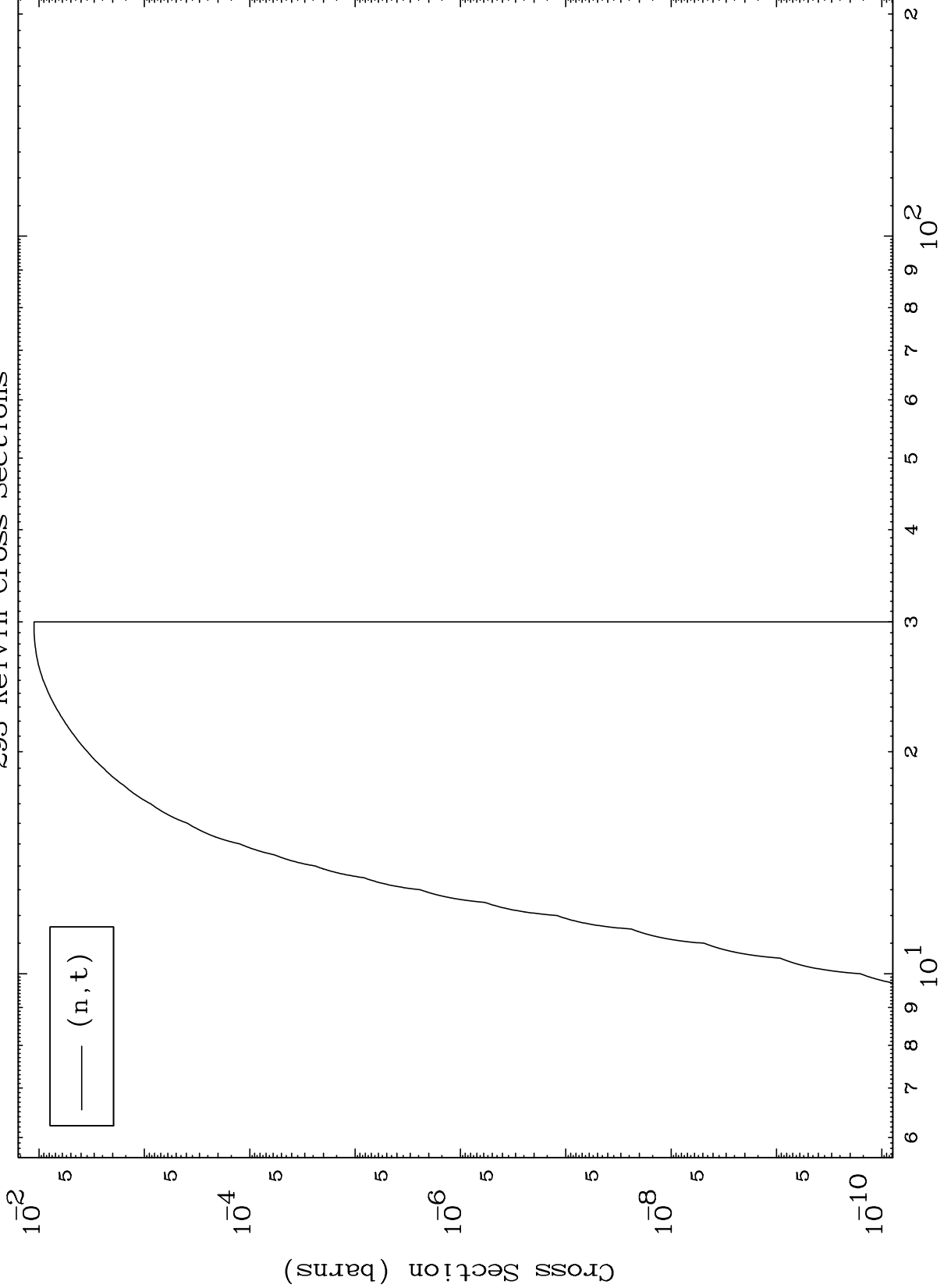
54-Xe-123



MAT 5422

(n, t) Levels  
293 Kelvin Cross Sections

54-Xe-123



12

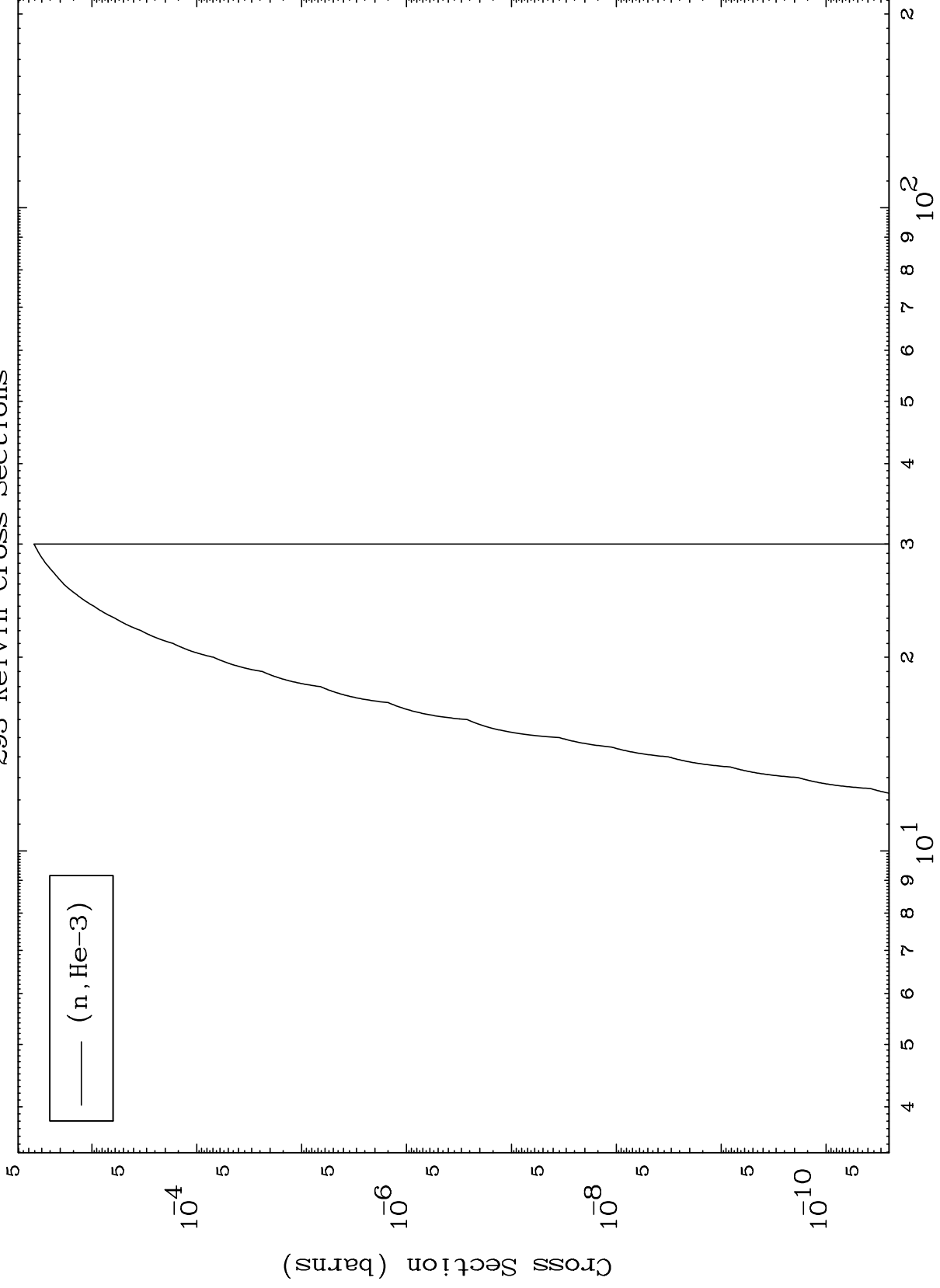
Incident Energy (MeV)

54-Xe-123

MAT 5422

(n,He3) Levels  
293 Kelvin Cross Sections

54-Xe-123



13

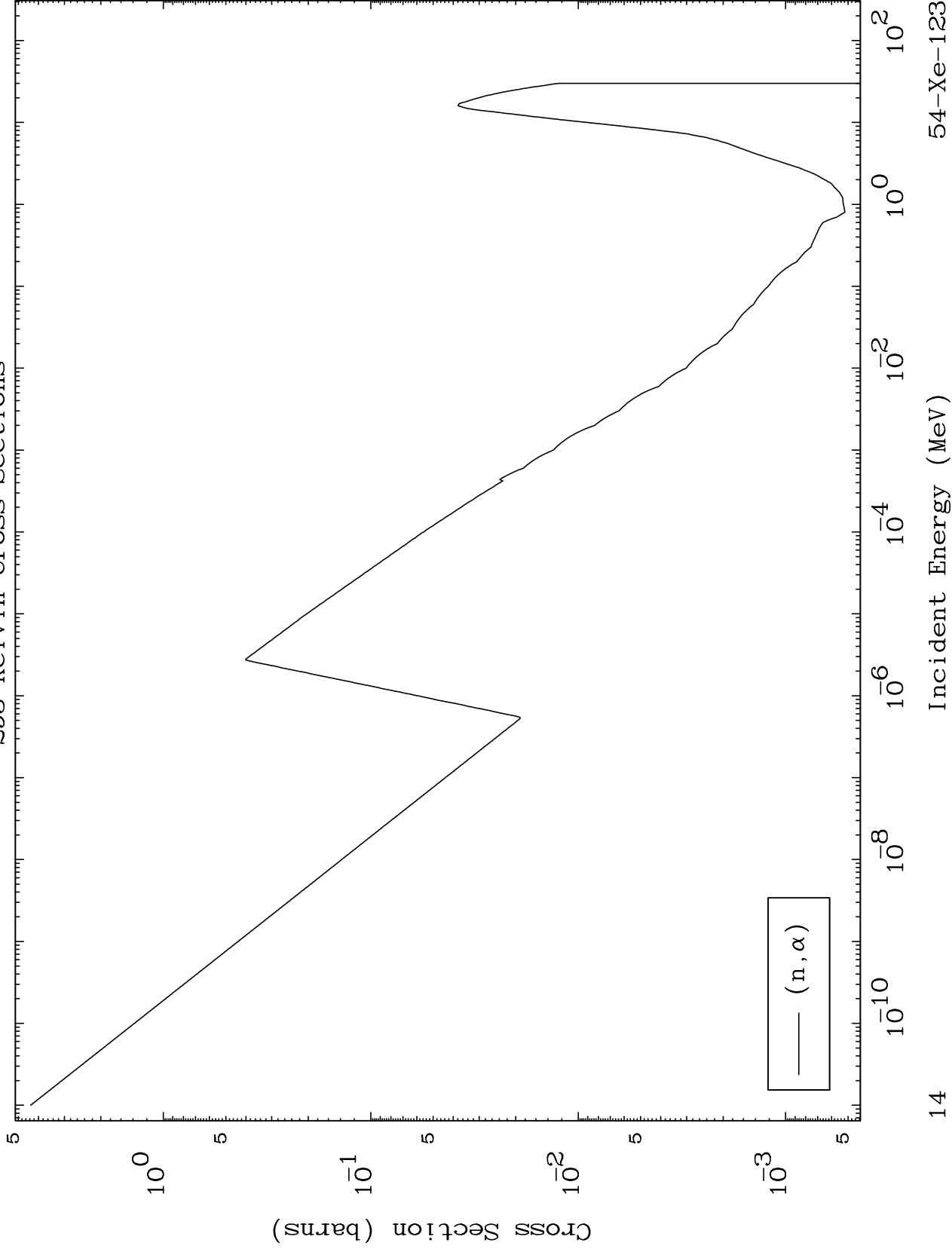
Incident Energy (MeV)

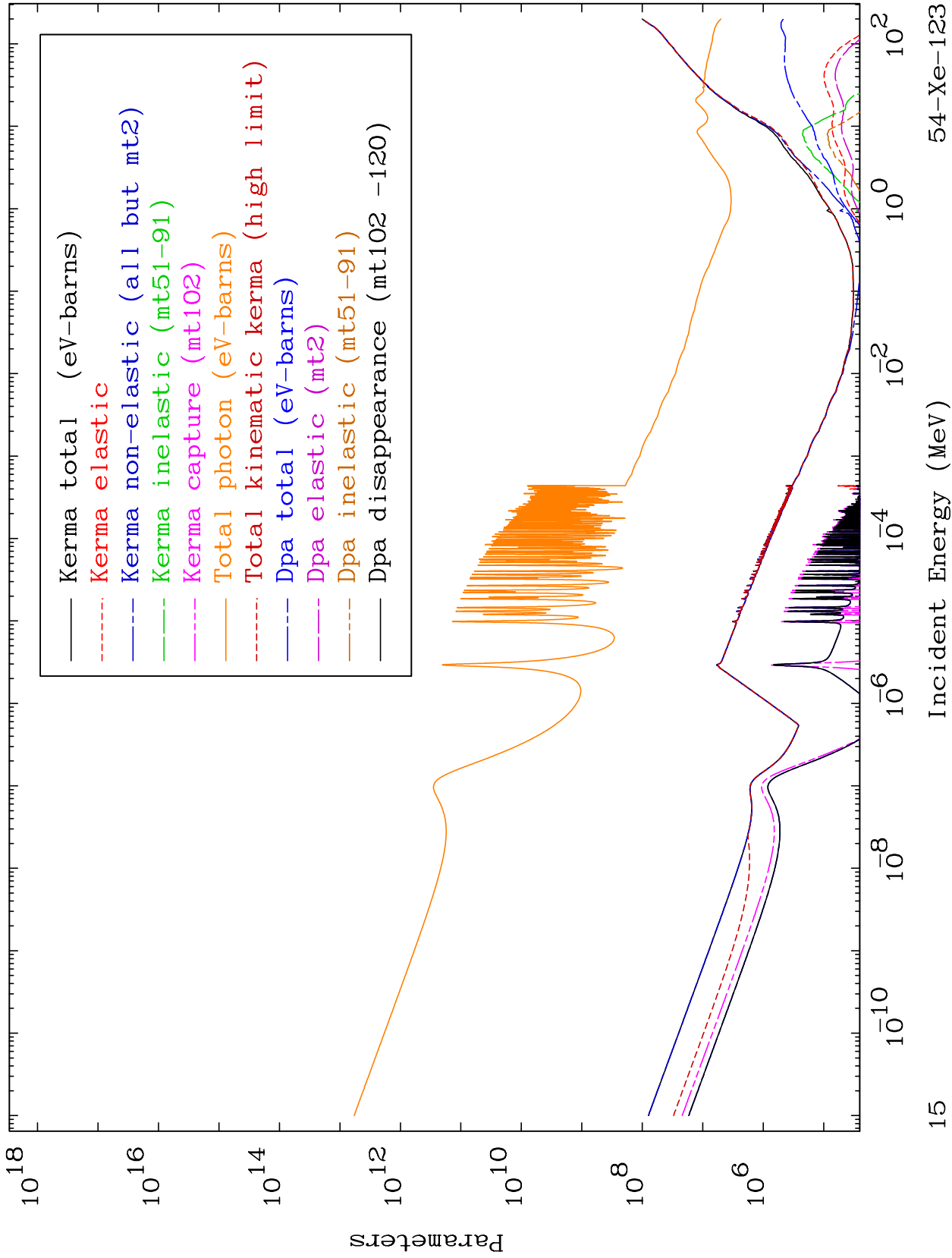
54-Xe-123

MAT 5422

(n,α) Levels  
293 Kelvin Cross Sections

54-Xe-123



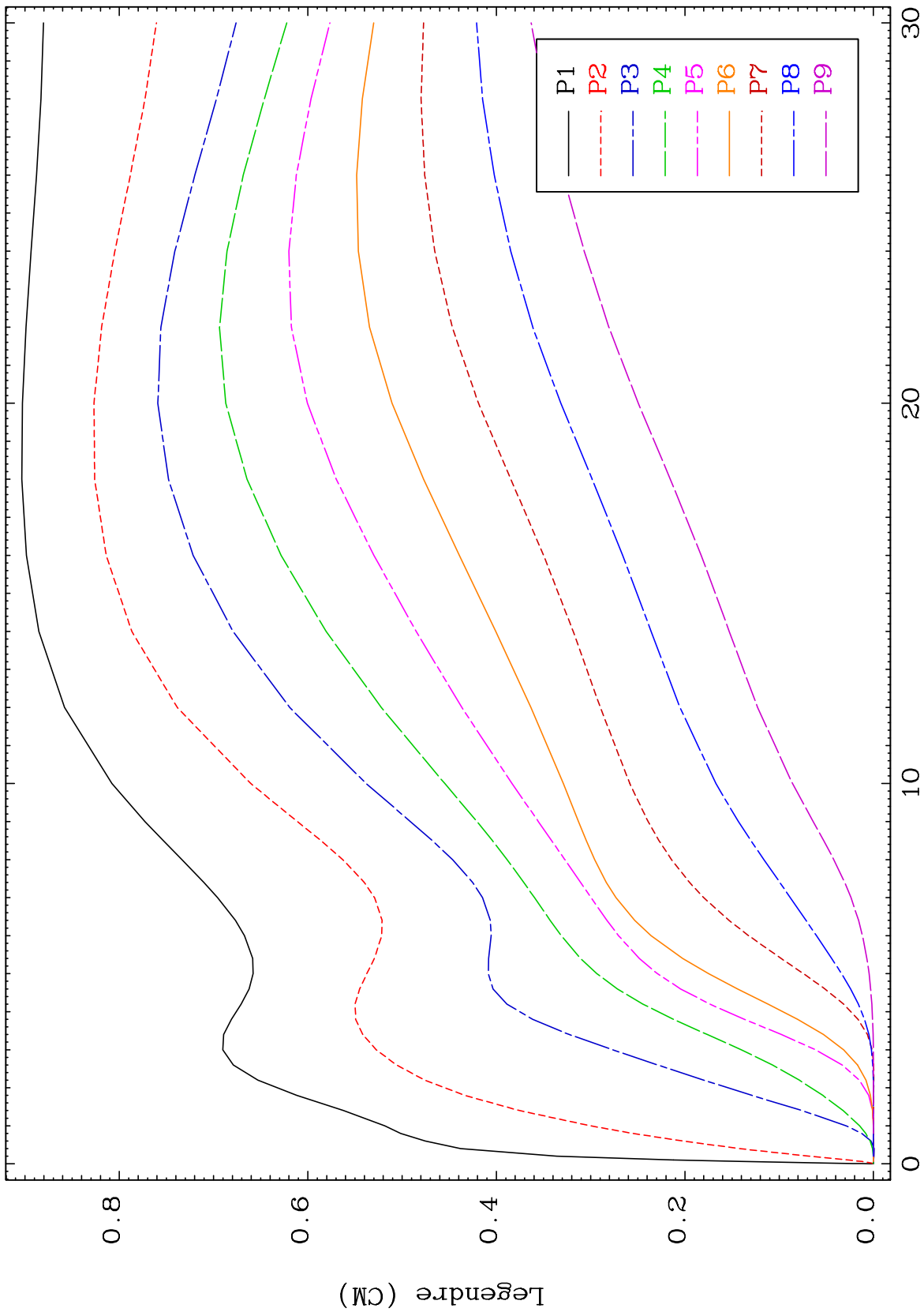




MAT 5422

54-Xe-123

Elastic Legendre Coefficients



16

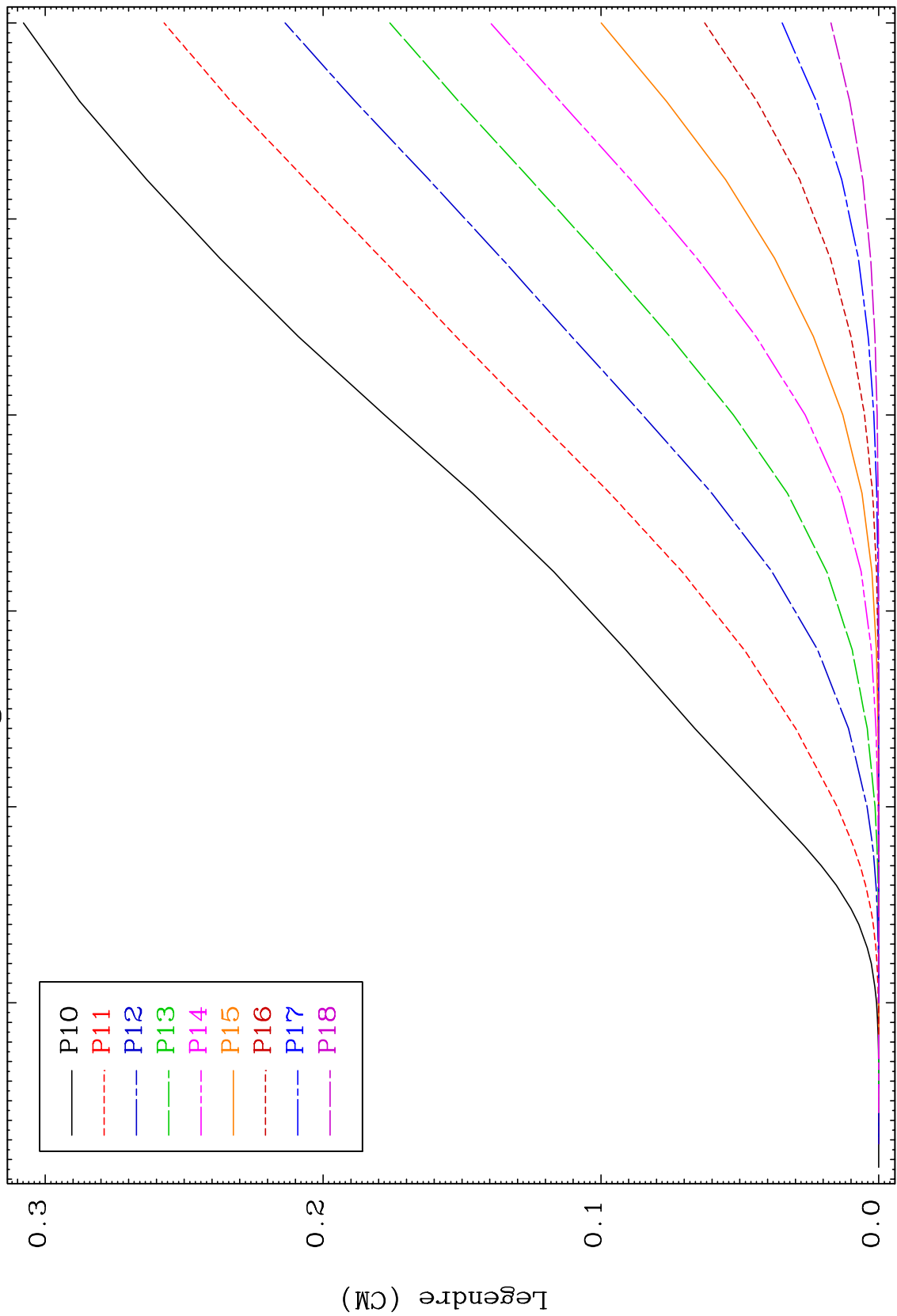
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



17

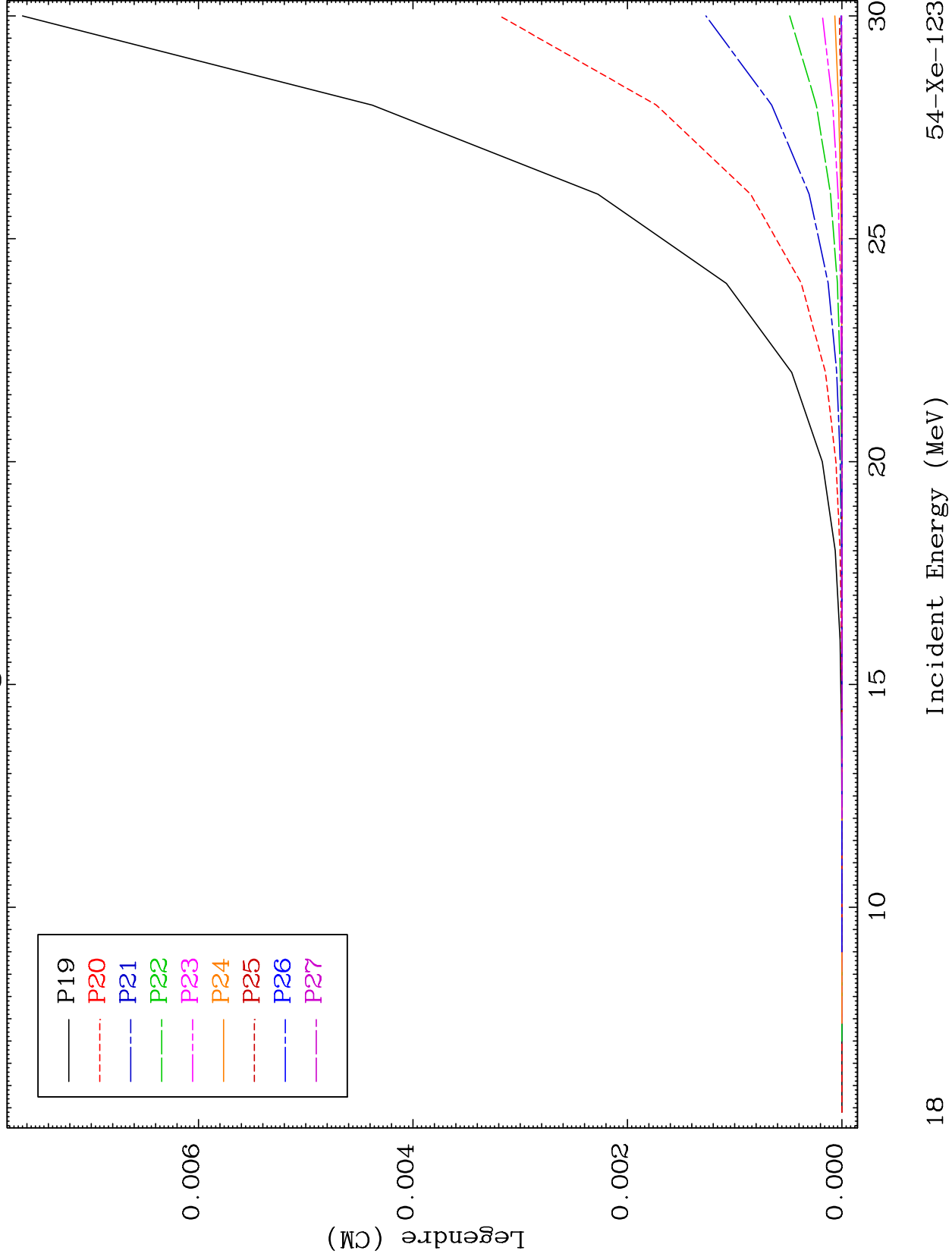
54-Xe-123

Incident Energy (MeV)

MAT 5422

### Elastic Legendre Coefficients

54-Xe-123



18

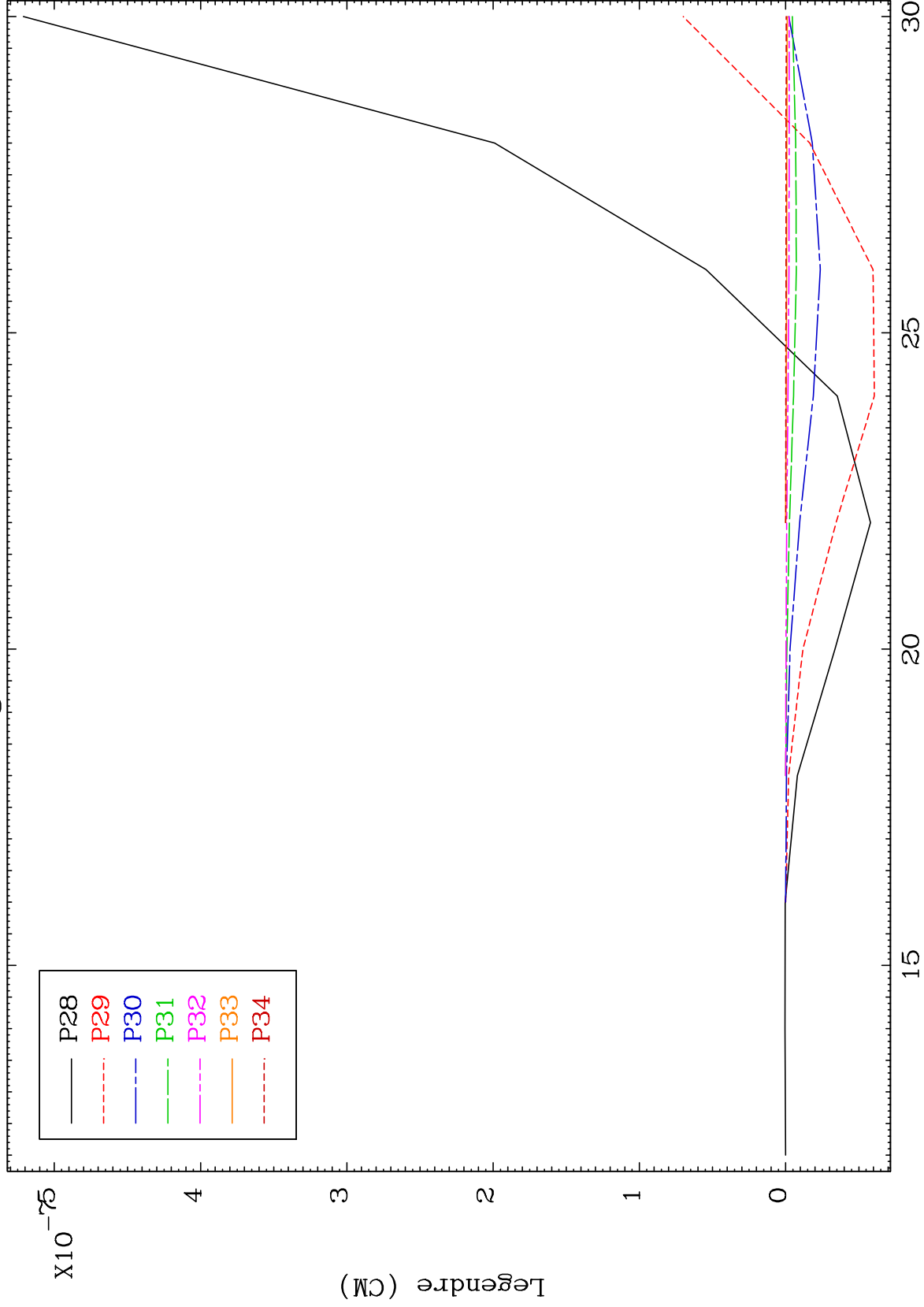
Incident Energy (MeV)

54-Xe-123

MAT 5422

Elastic Legendre Coefficients

54-Xe-123



19

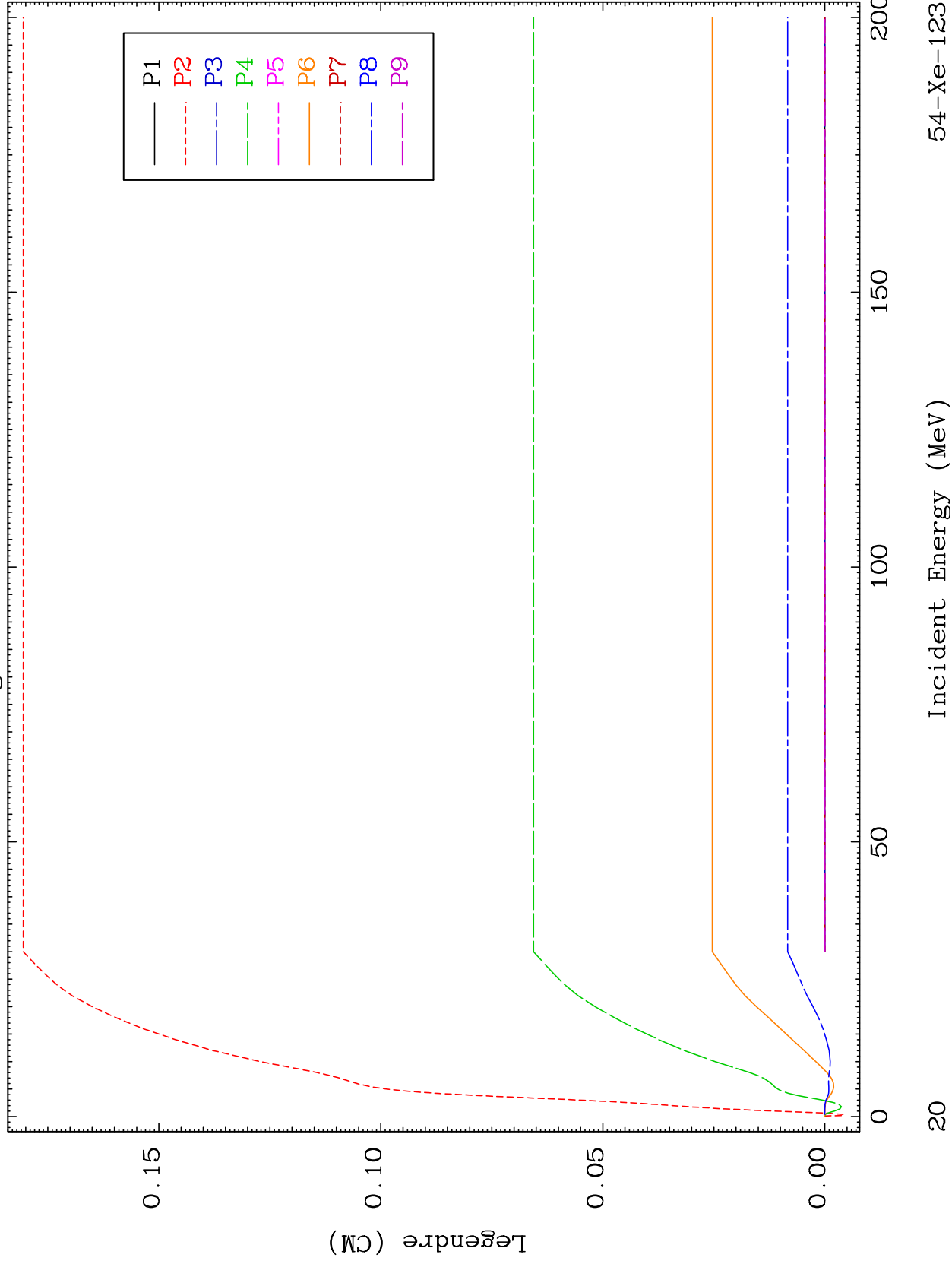
Incident Energy (MeV)

54-Xe-123

MAT 5422

97.30 keV (n,n') Level  
Legendre Coefficients

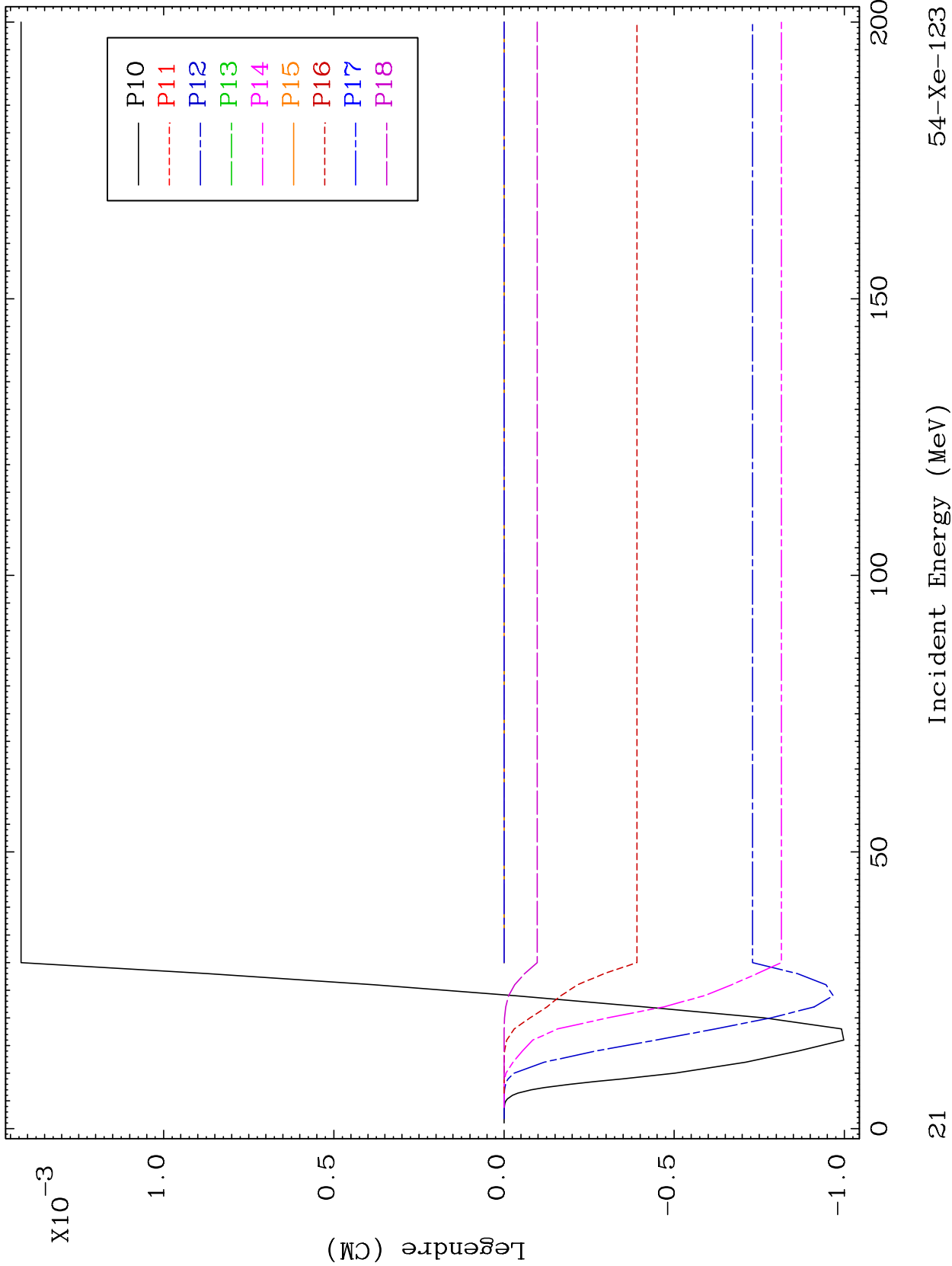
54-Xe-123

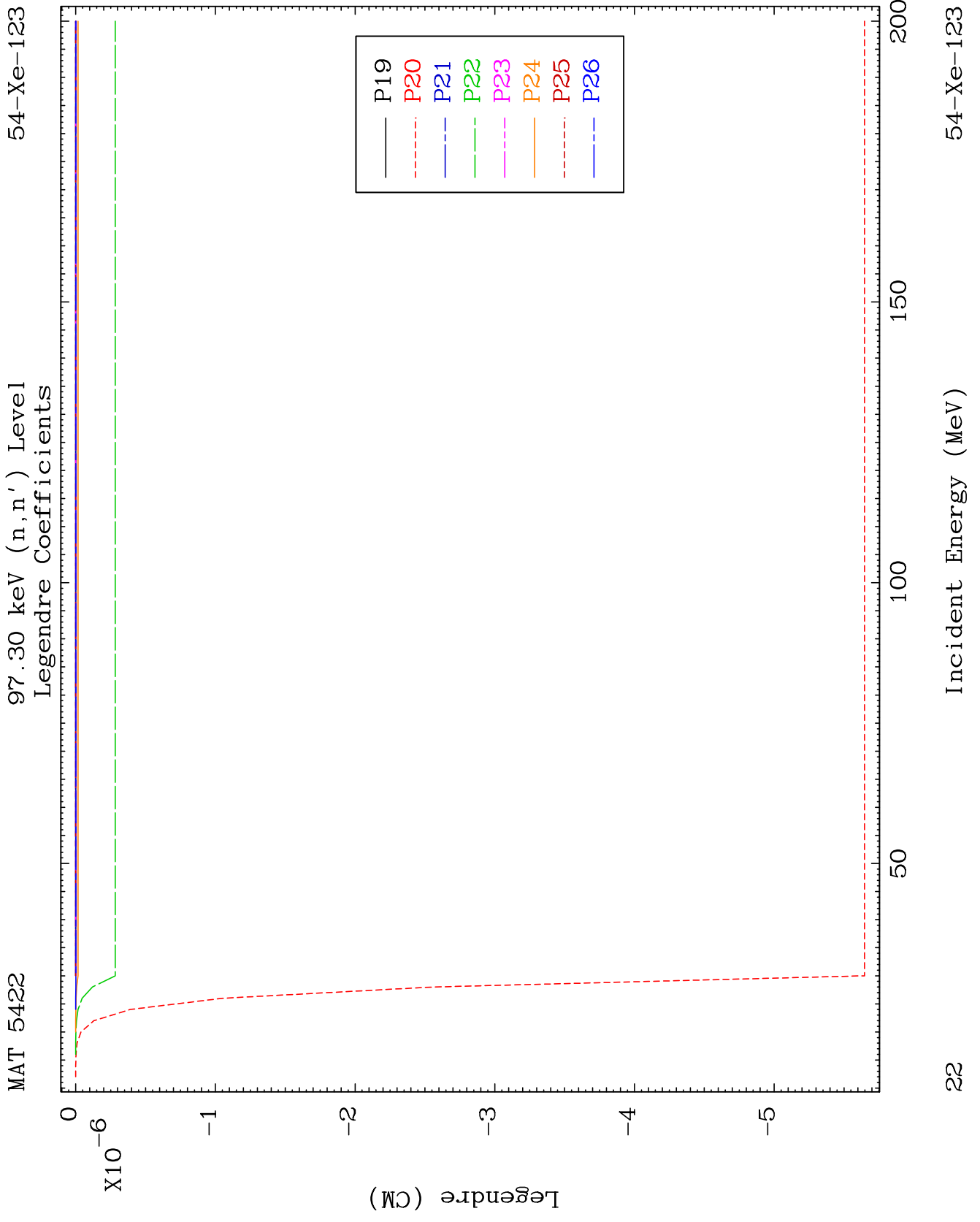


54-Xe-123

Incident Energy (MeV)

20

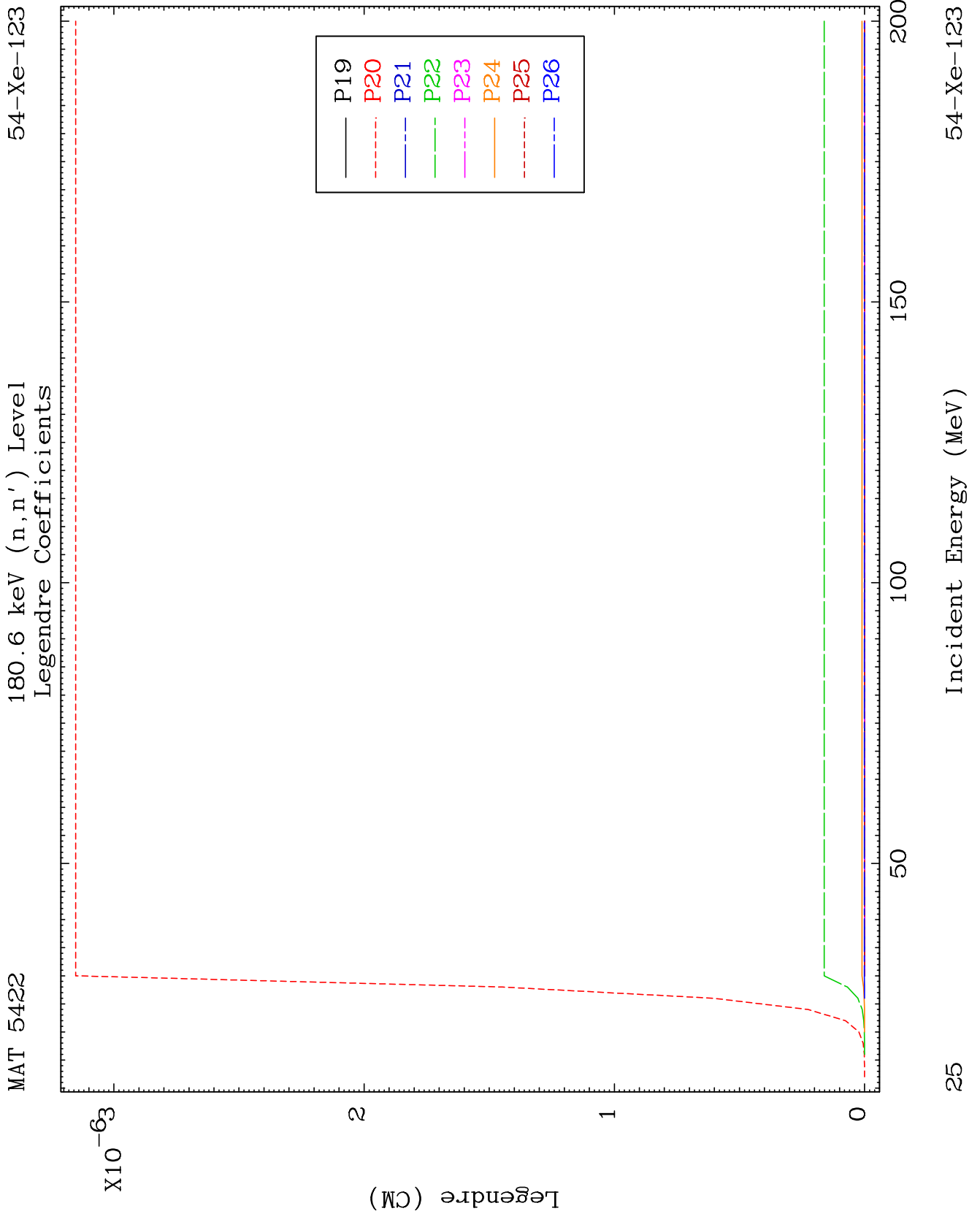


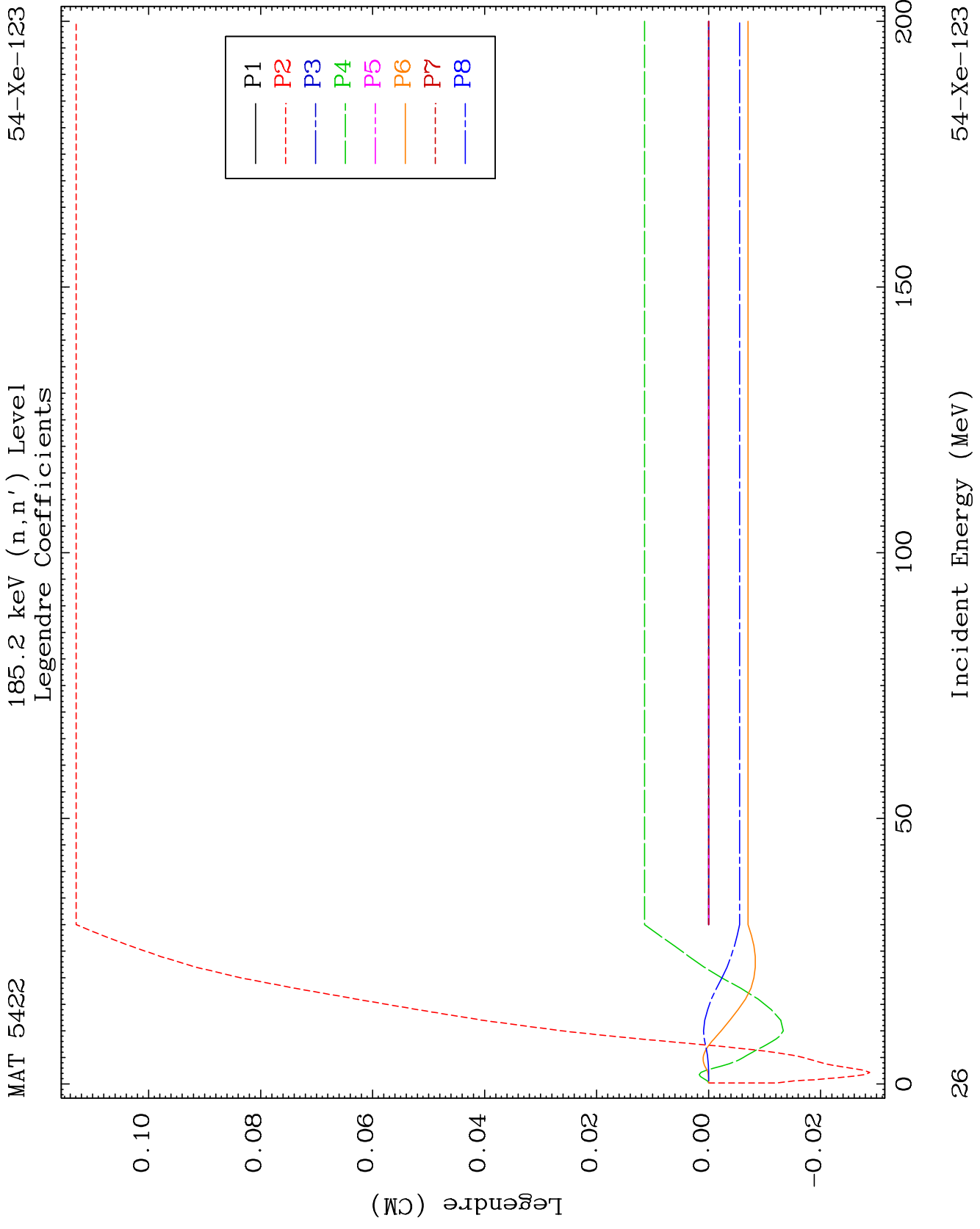








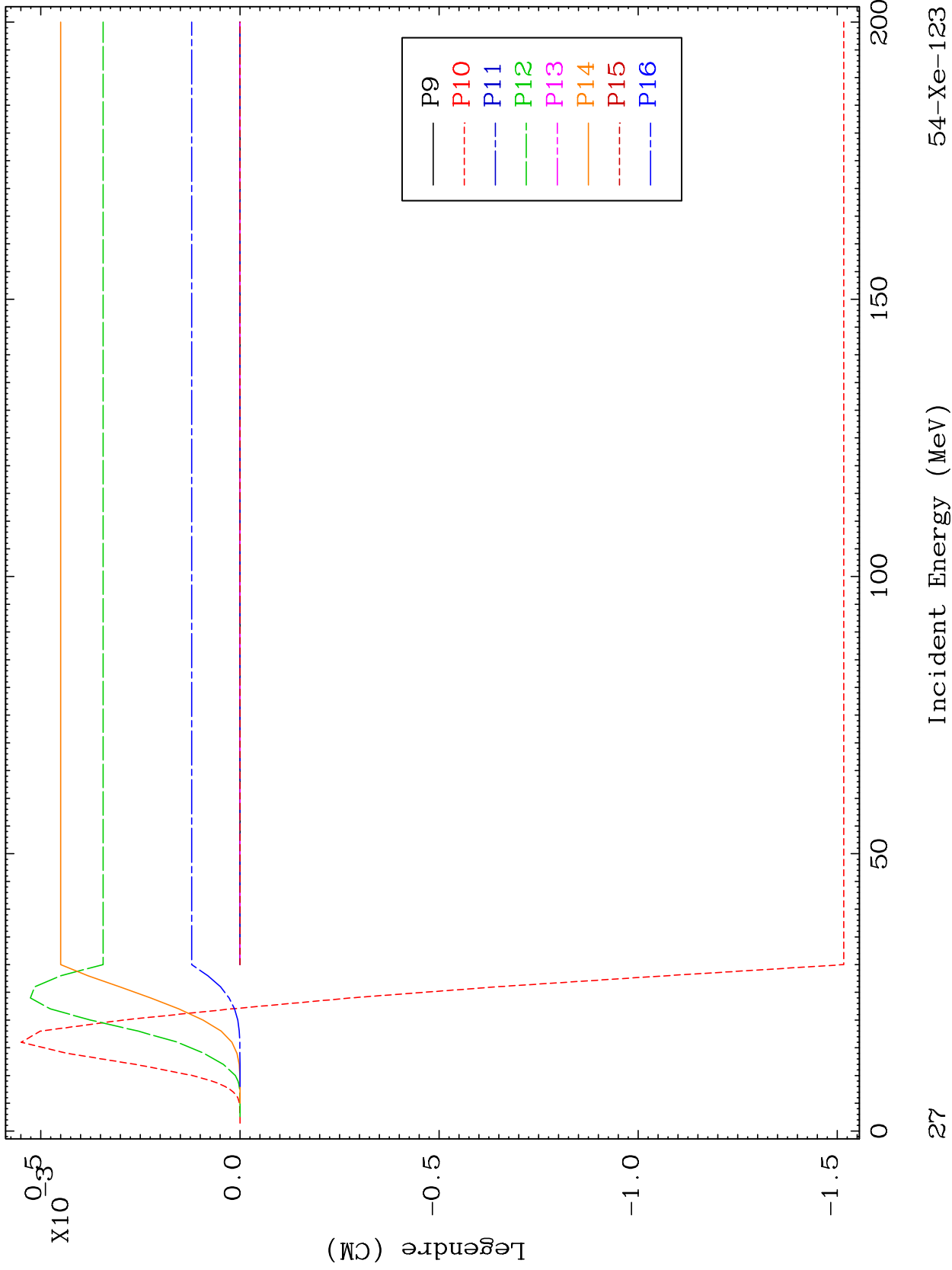




MAT 5422

185.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



27

Incident Energy (MeV)

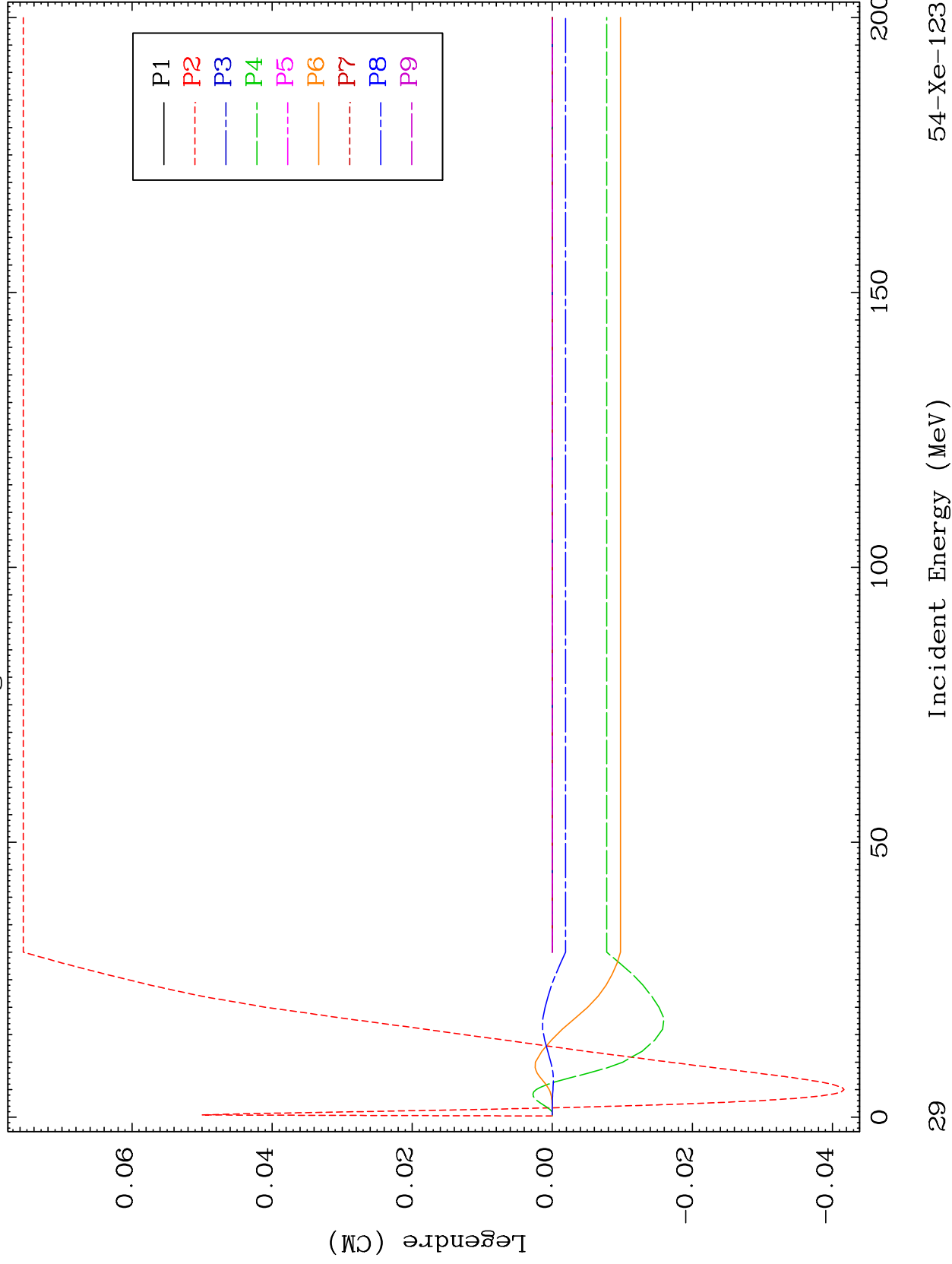
54-Xe-123



MAT 5422

206.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

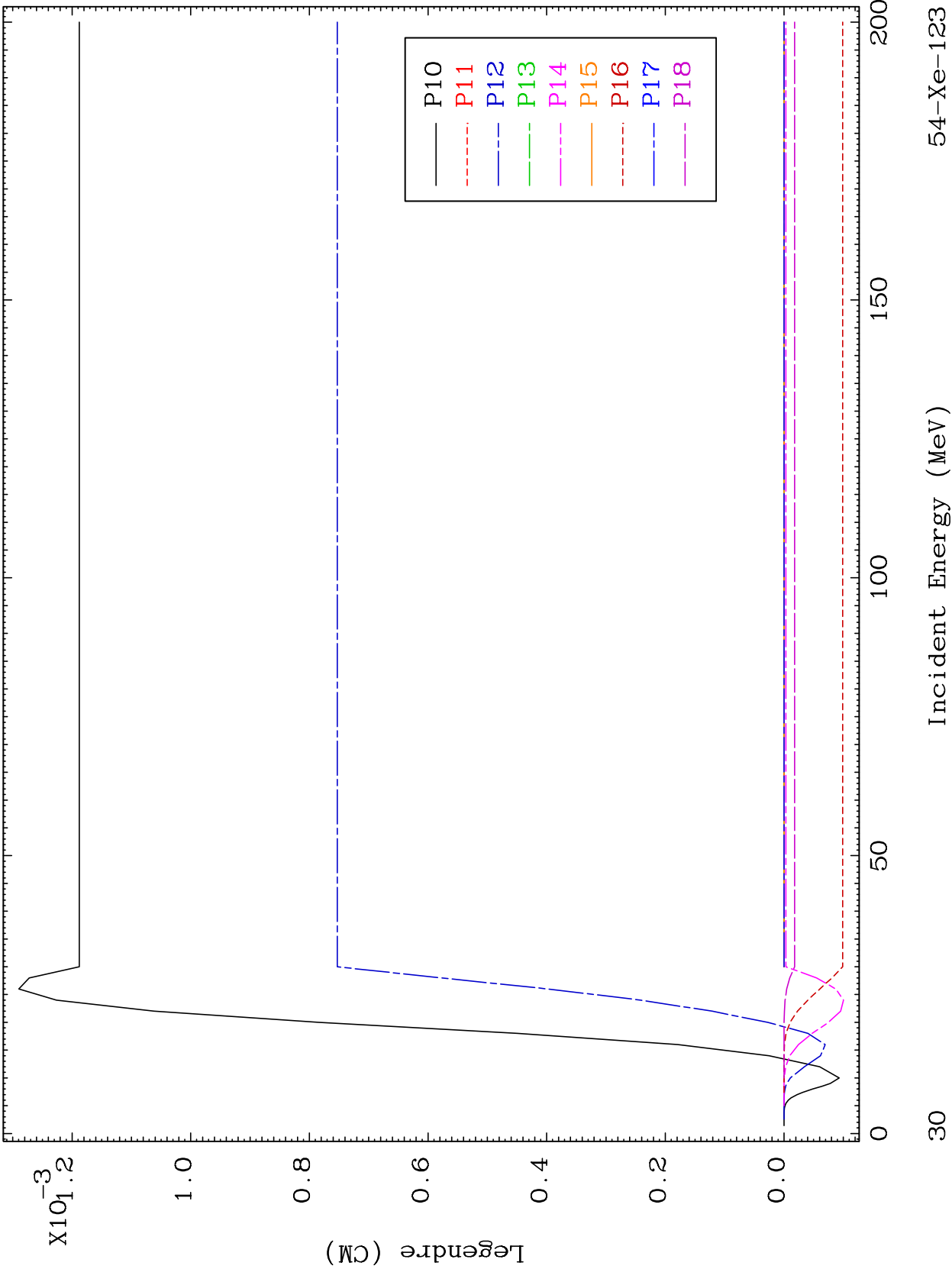
Incident Energy (MeV)

29

MAT 5422

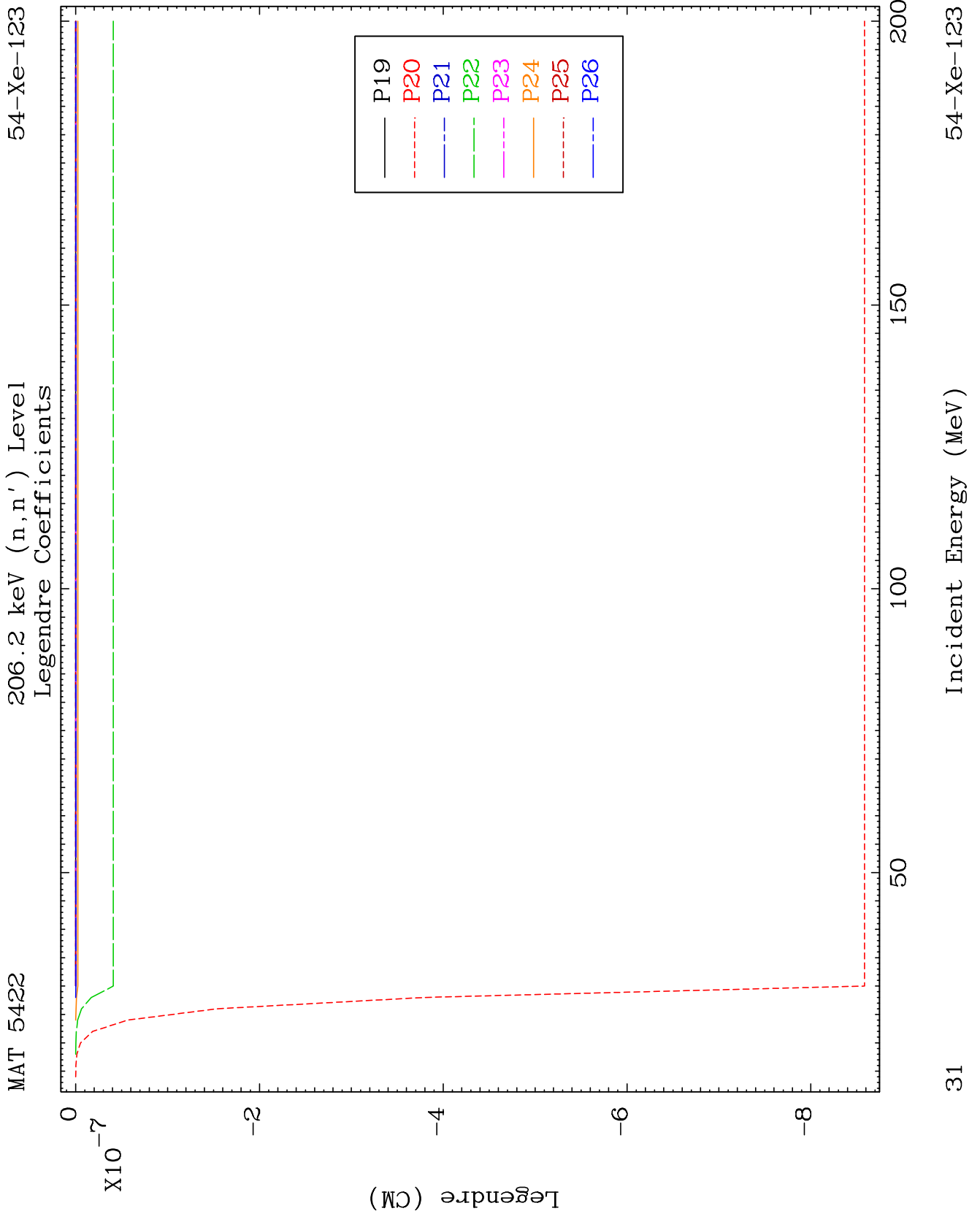
206.2 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

Incident Energy (MeV)

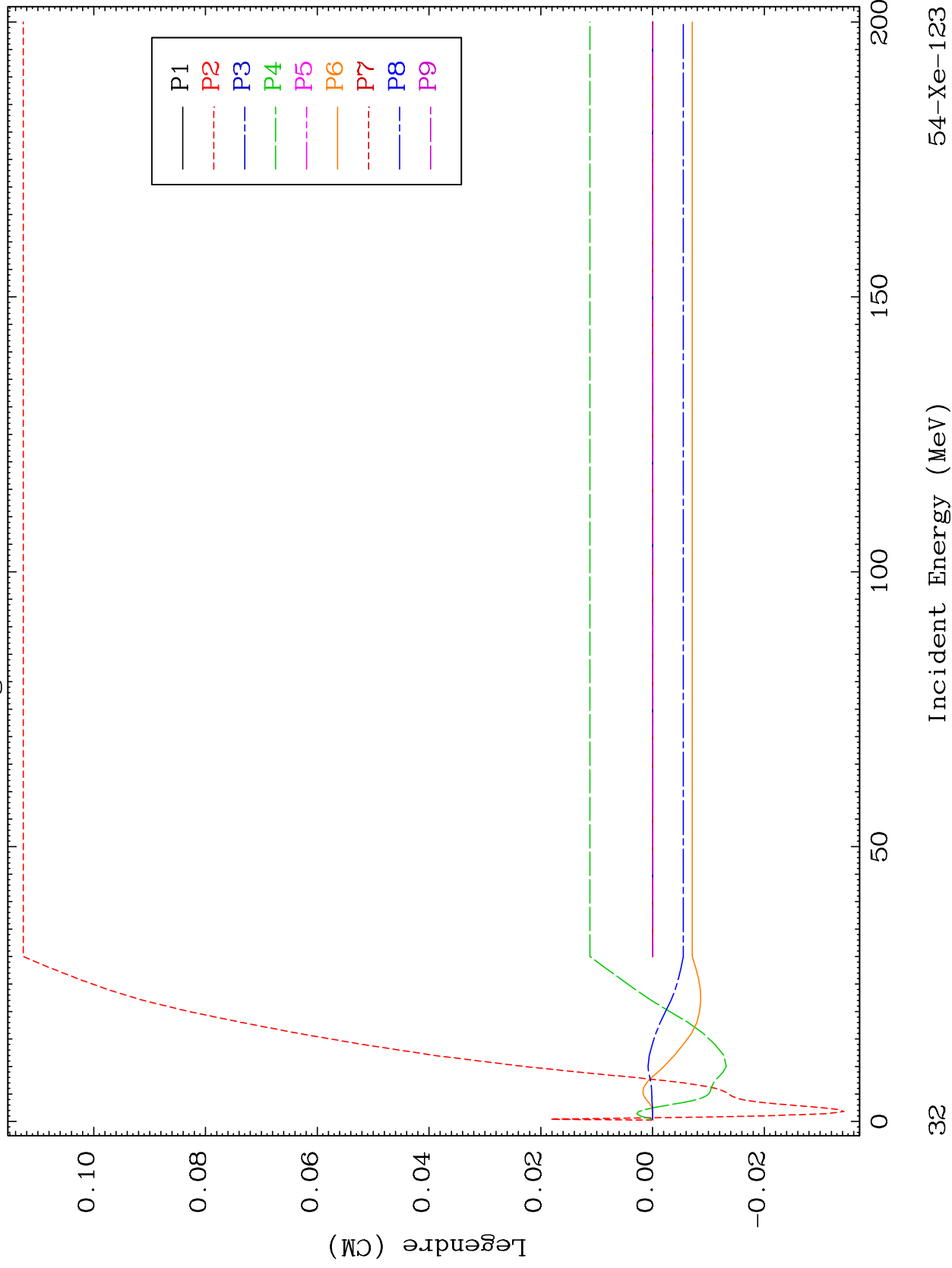




MAT 5422

251.9 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

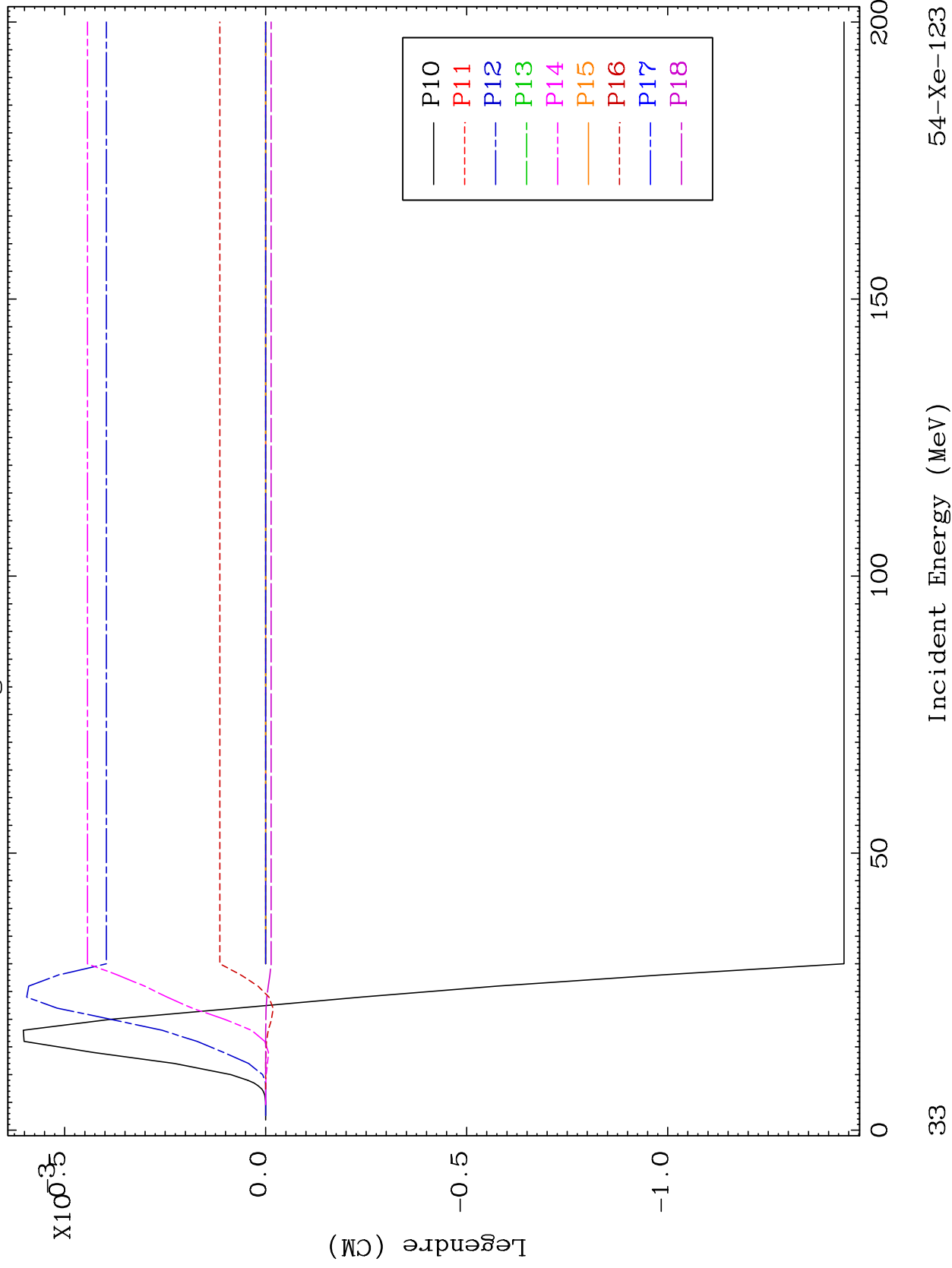
Incident Energy (MeV)

32

MAT 5422

251.9 keV (n,n') Level  
Legendre Coefficients

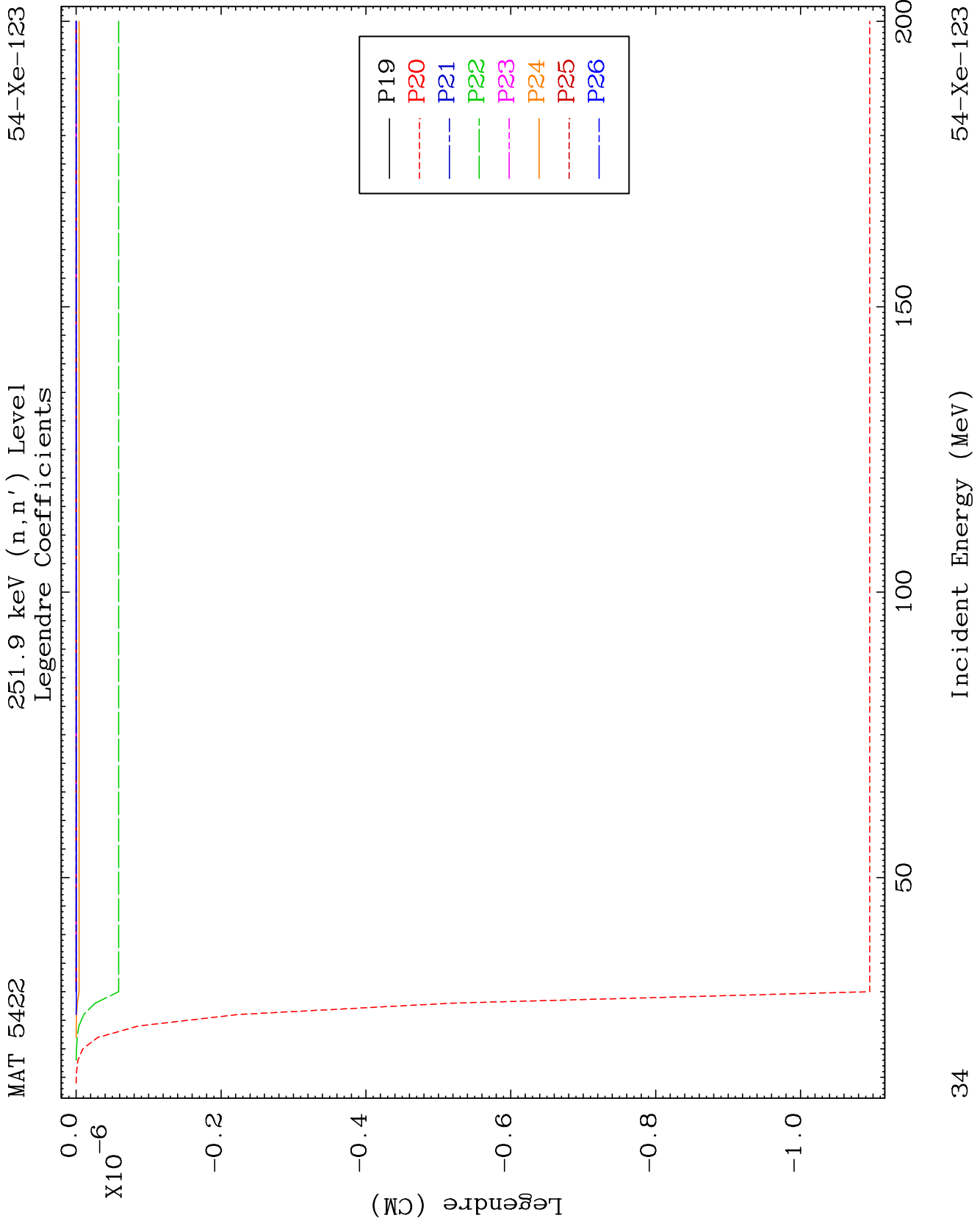
54-Xe-123



33

Incident Energy (MeV)

54-Xe-123

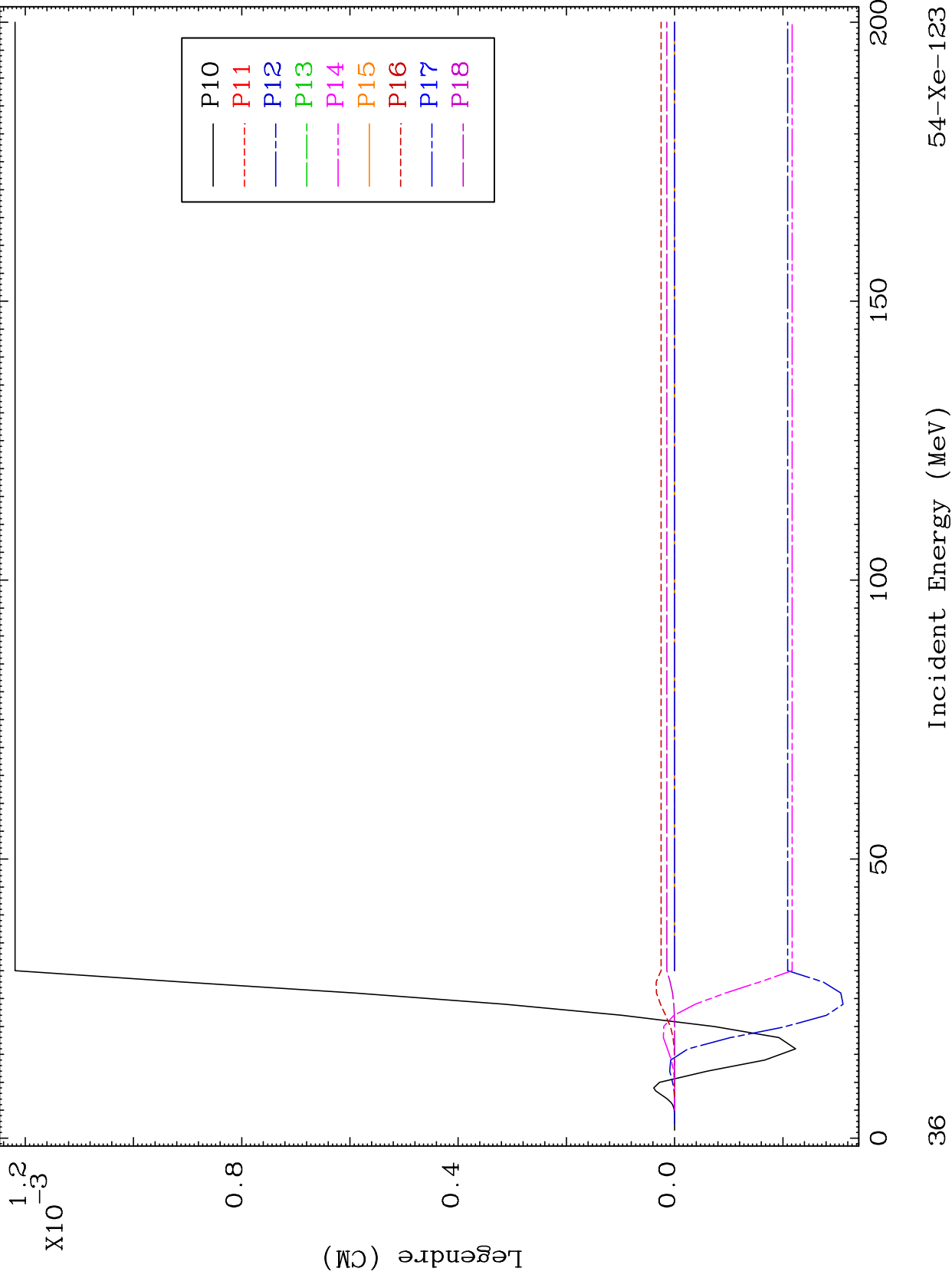




MAT 5422

263.1 keV (n,n') Level  
Legendre Coefficients

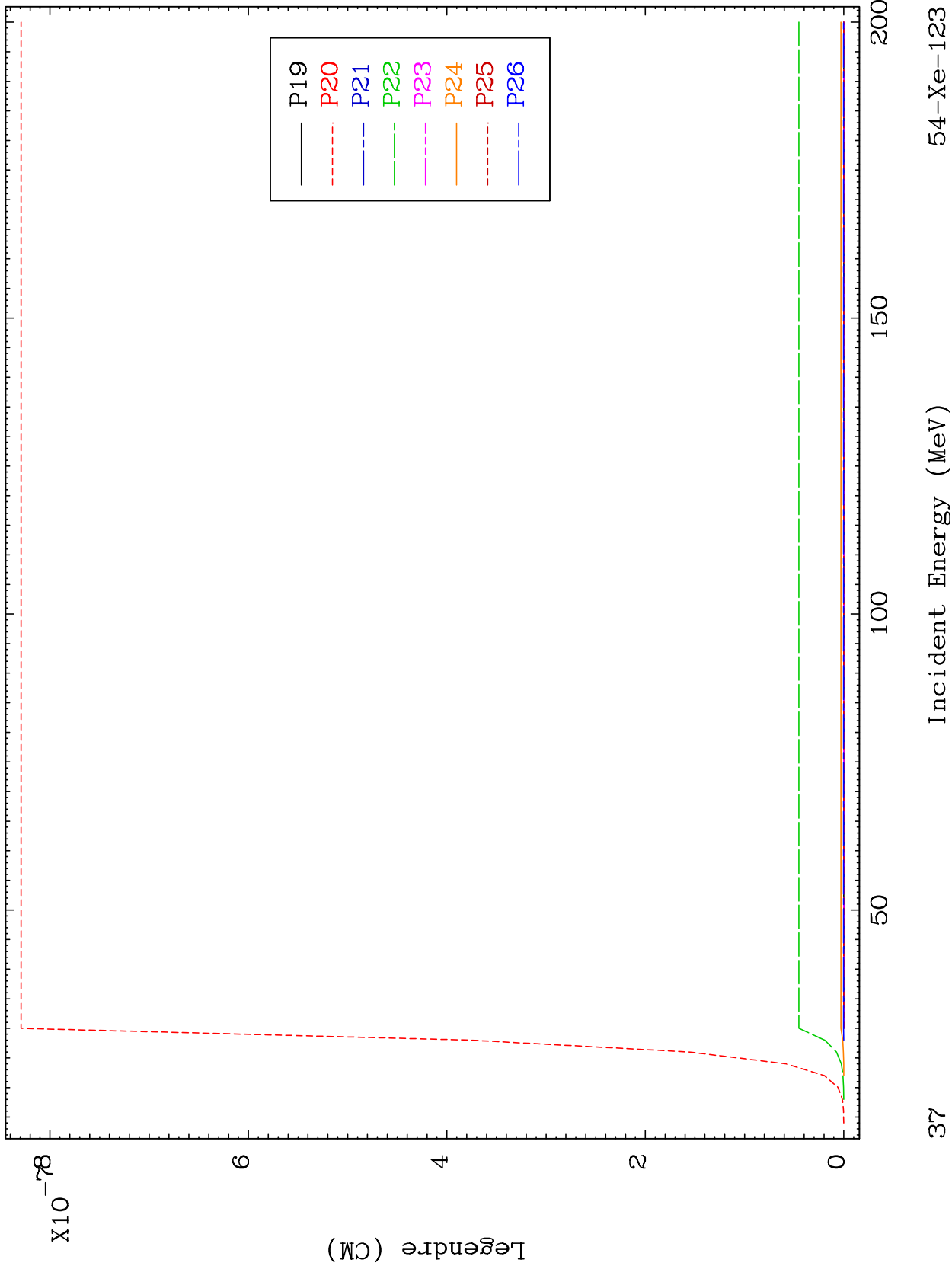
54-Xe-123



MAT 5422

263.1 keV (n,n') Level  
Legendre Coefficients

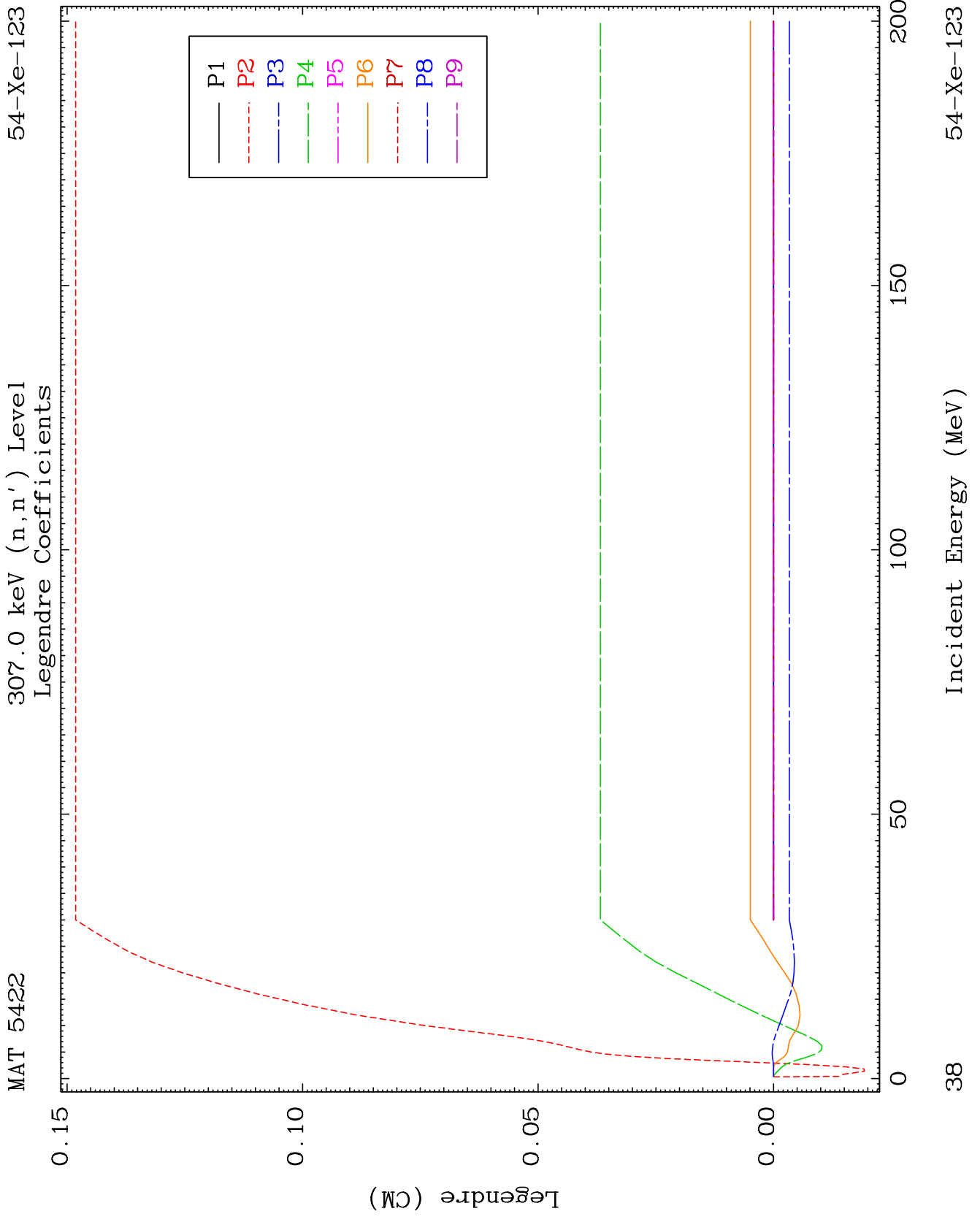
54-Xe-123



37

Incident Energy (MeV)

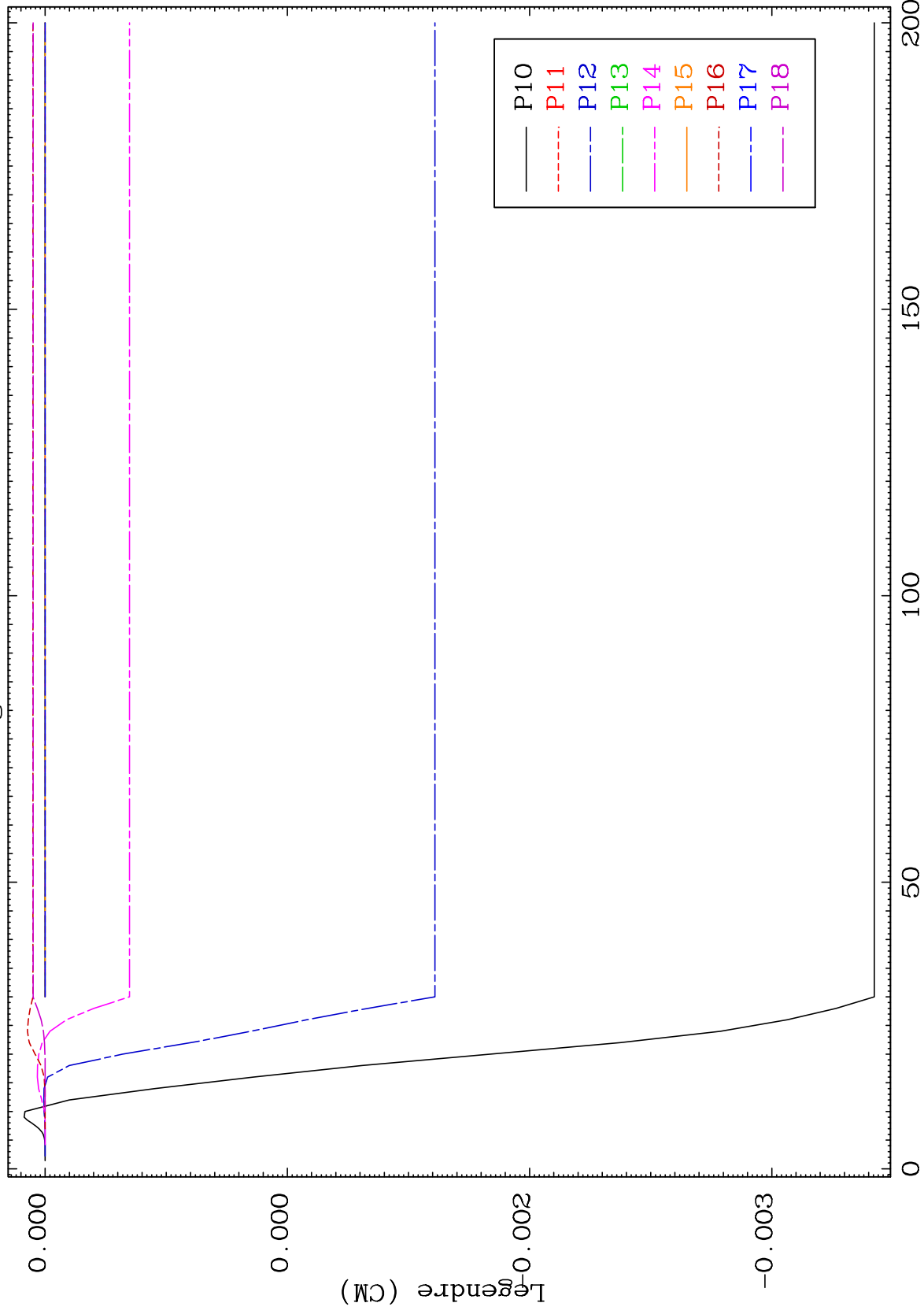
54-Xe-123



MAT 5422

307.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



39

Incident Energy (MeV)

54-Xe-123

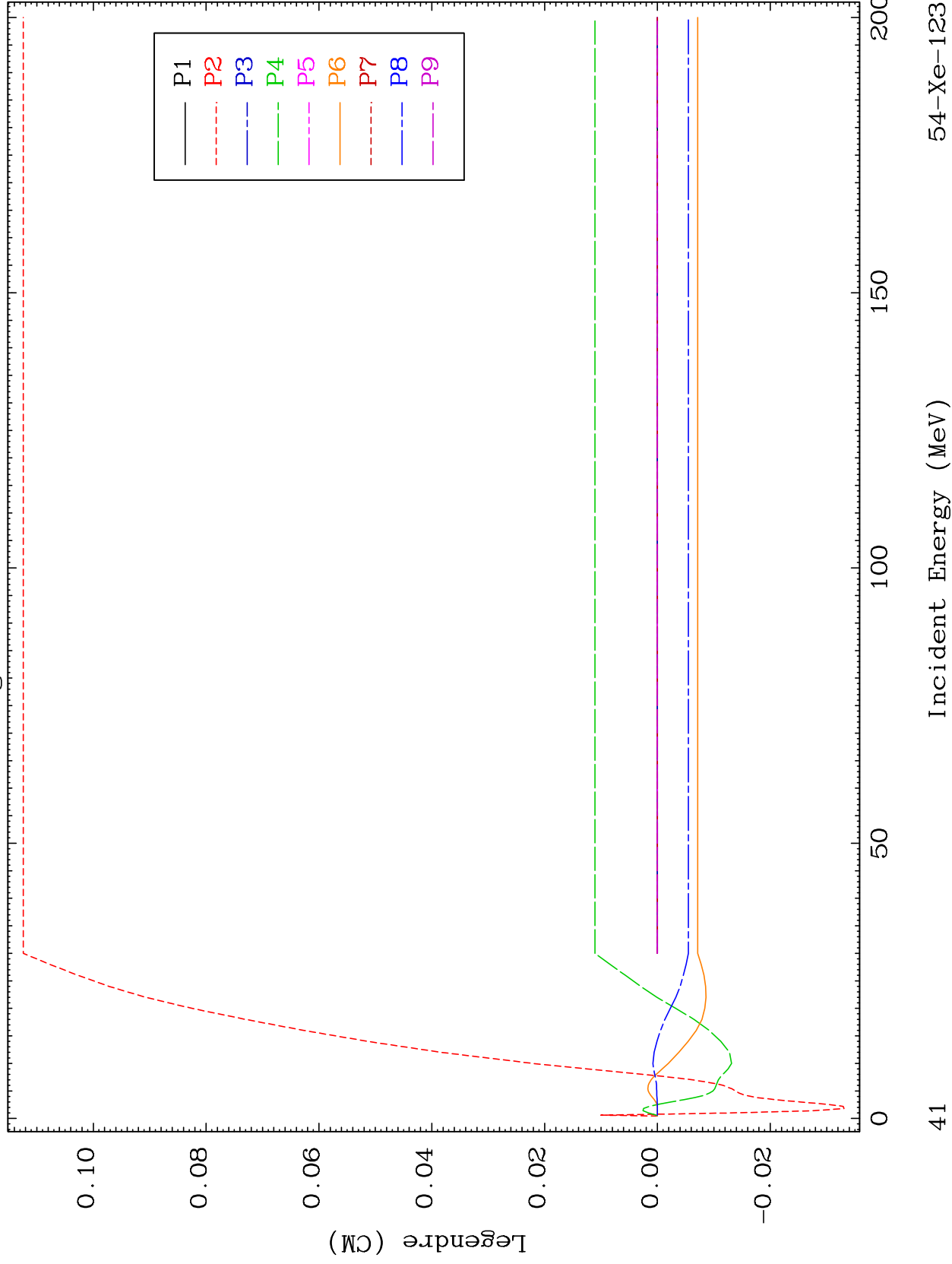




MAT 5422

437.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

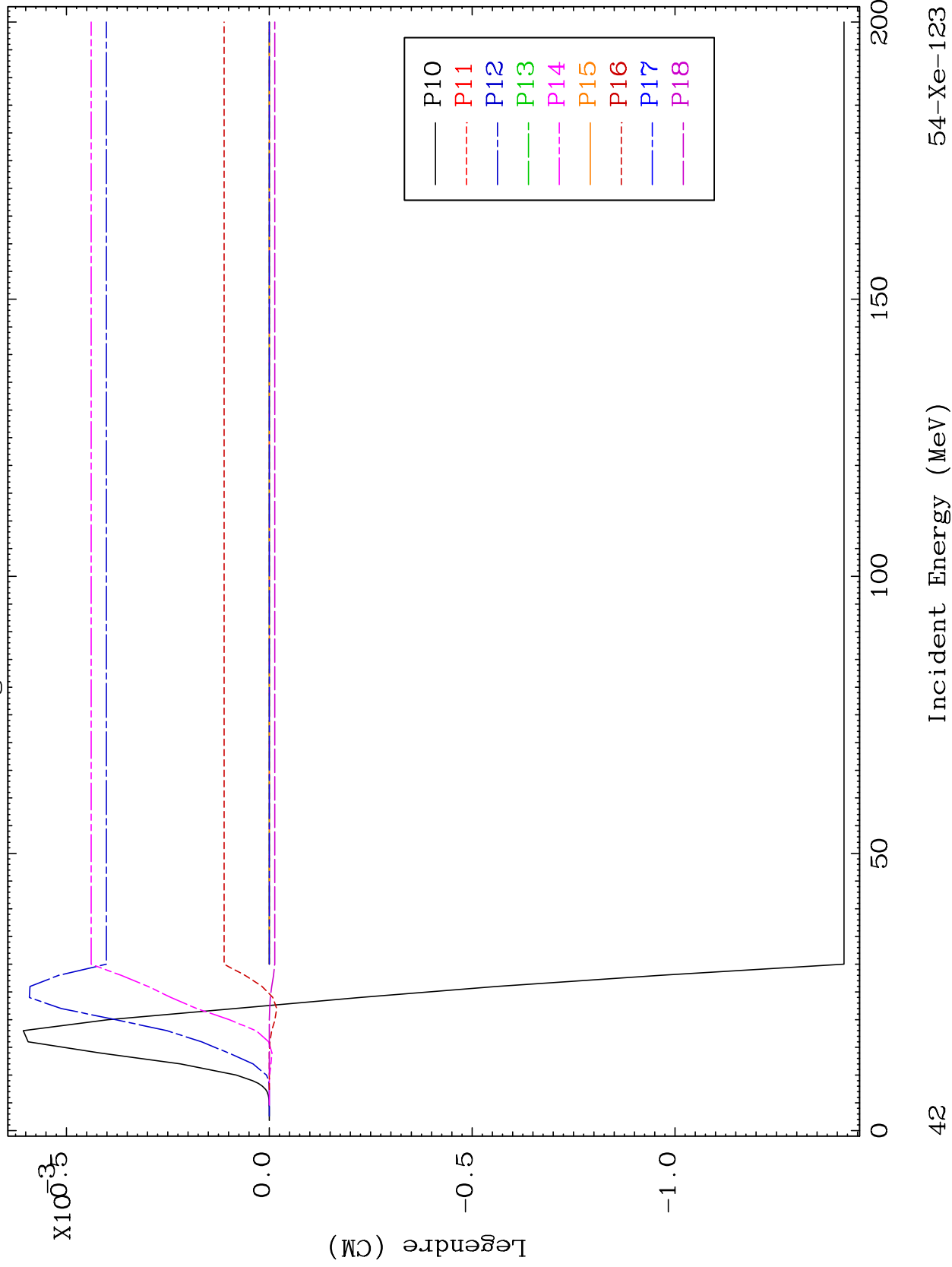
Incident Energy (MeV)

41

MAT 5422

437.4 keV (n,n') Level  
Legendre Coefficients

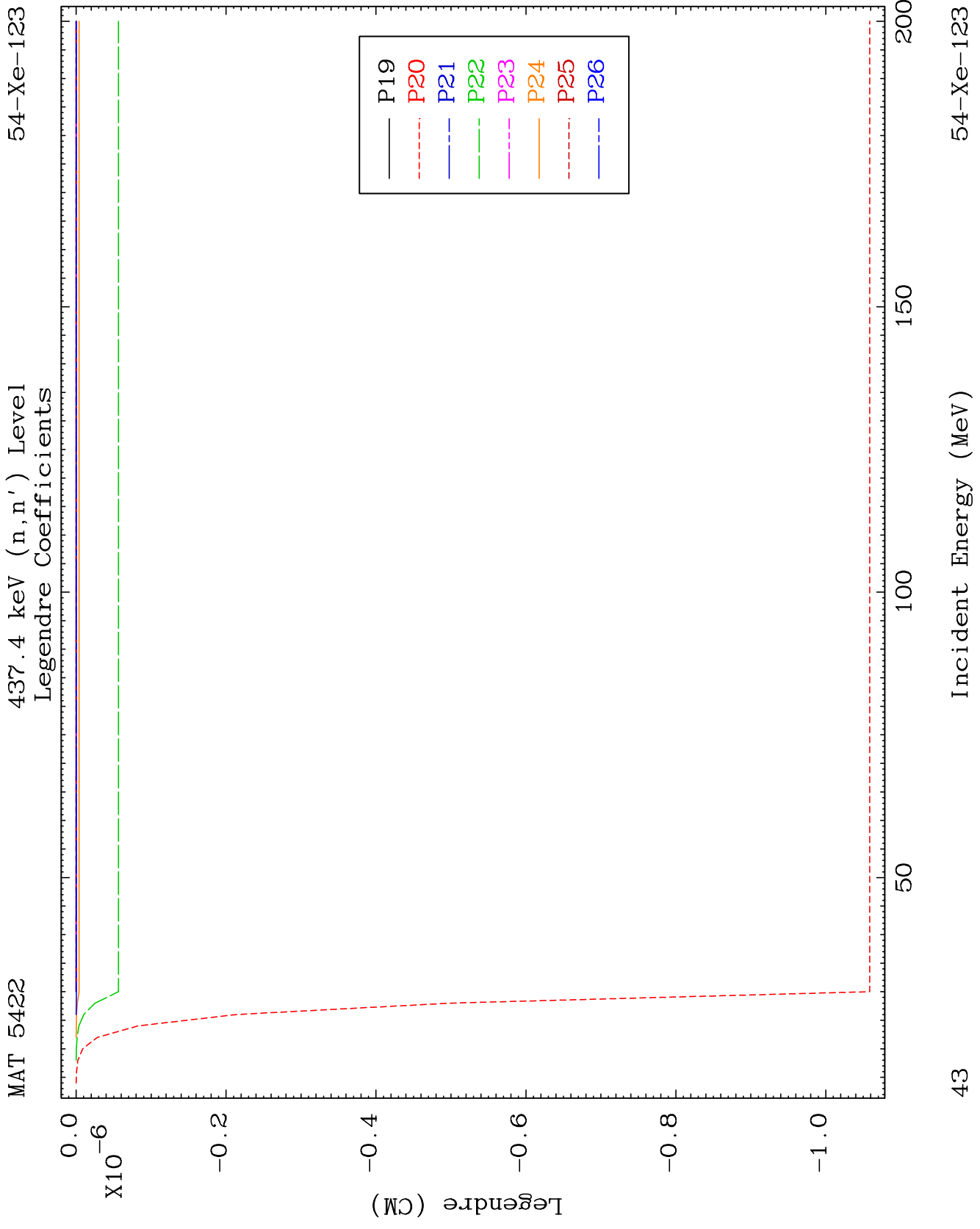
54-Xe-123



42

Incident Energy (MeV)

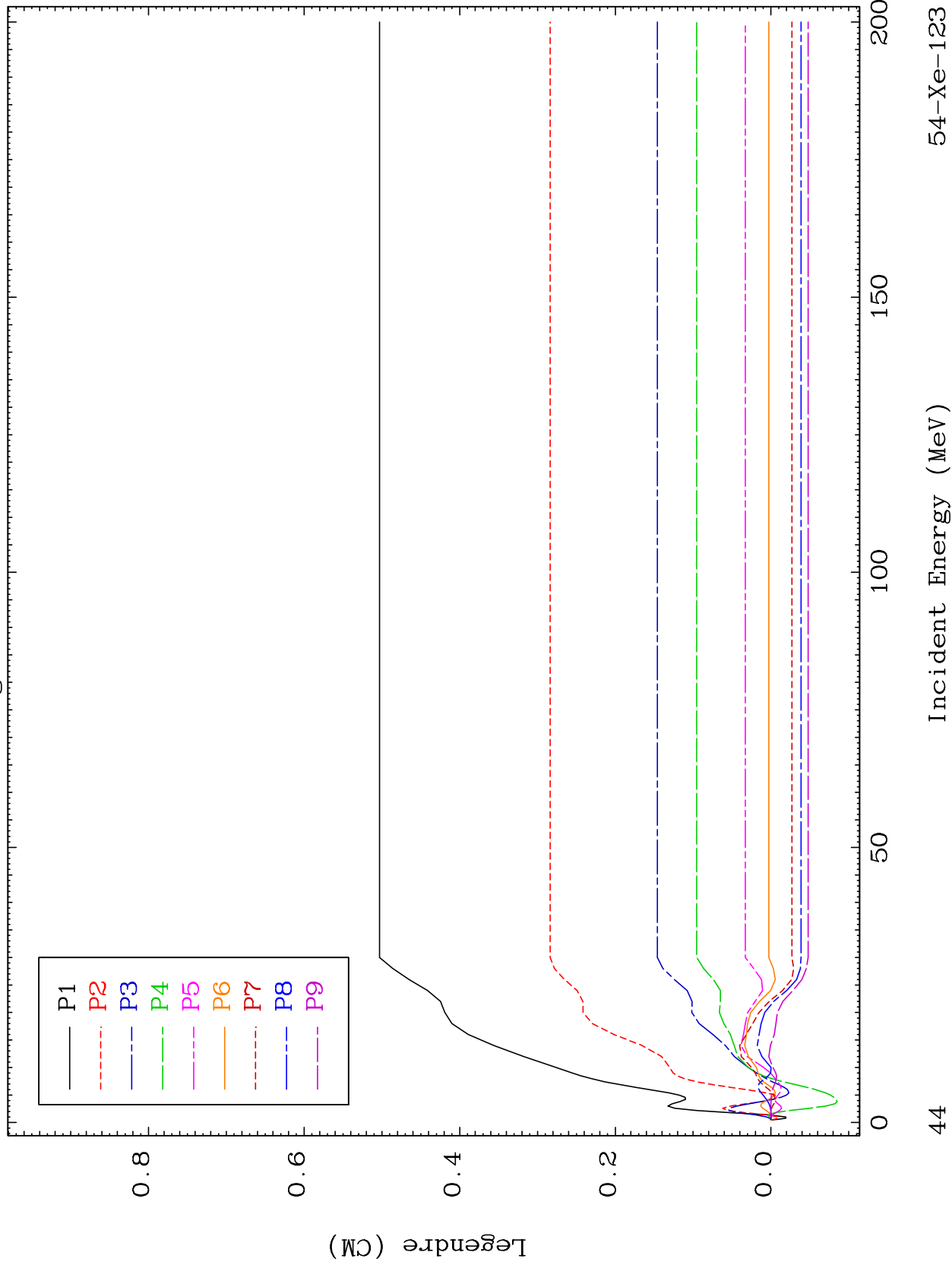
54-Xe-123



MAT 5422

442.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

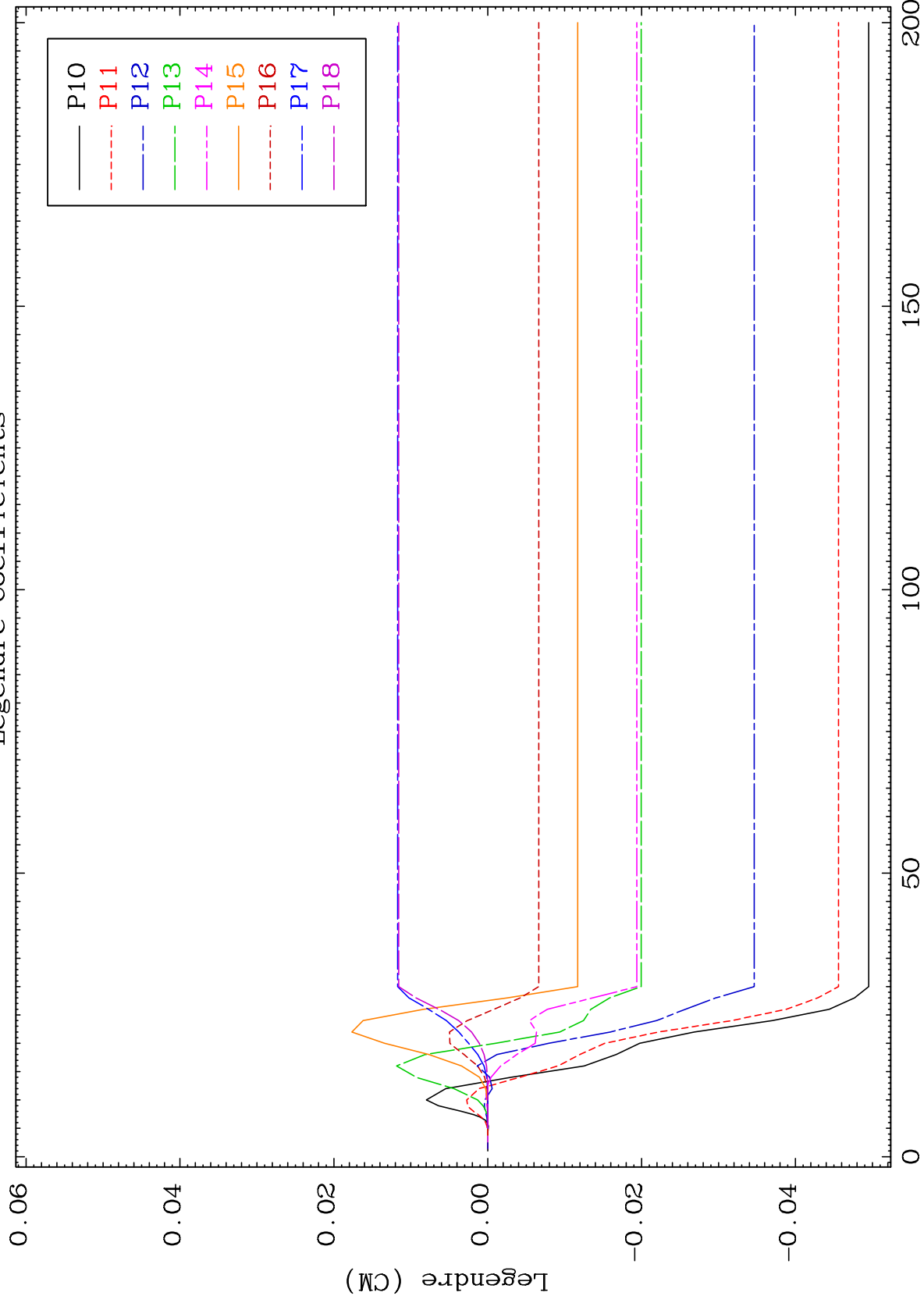
Incident Energy (MeV)

44

MAT 5422

442.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



45

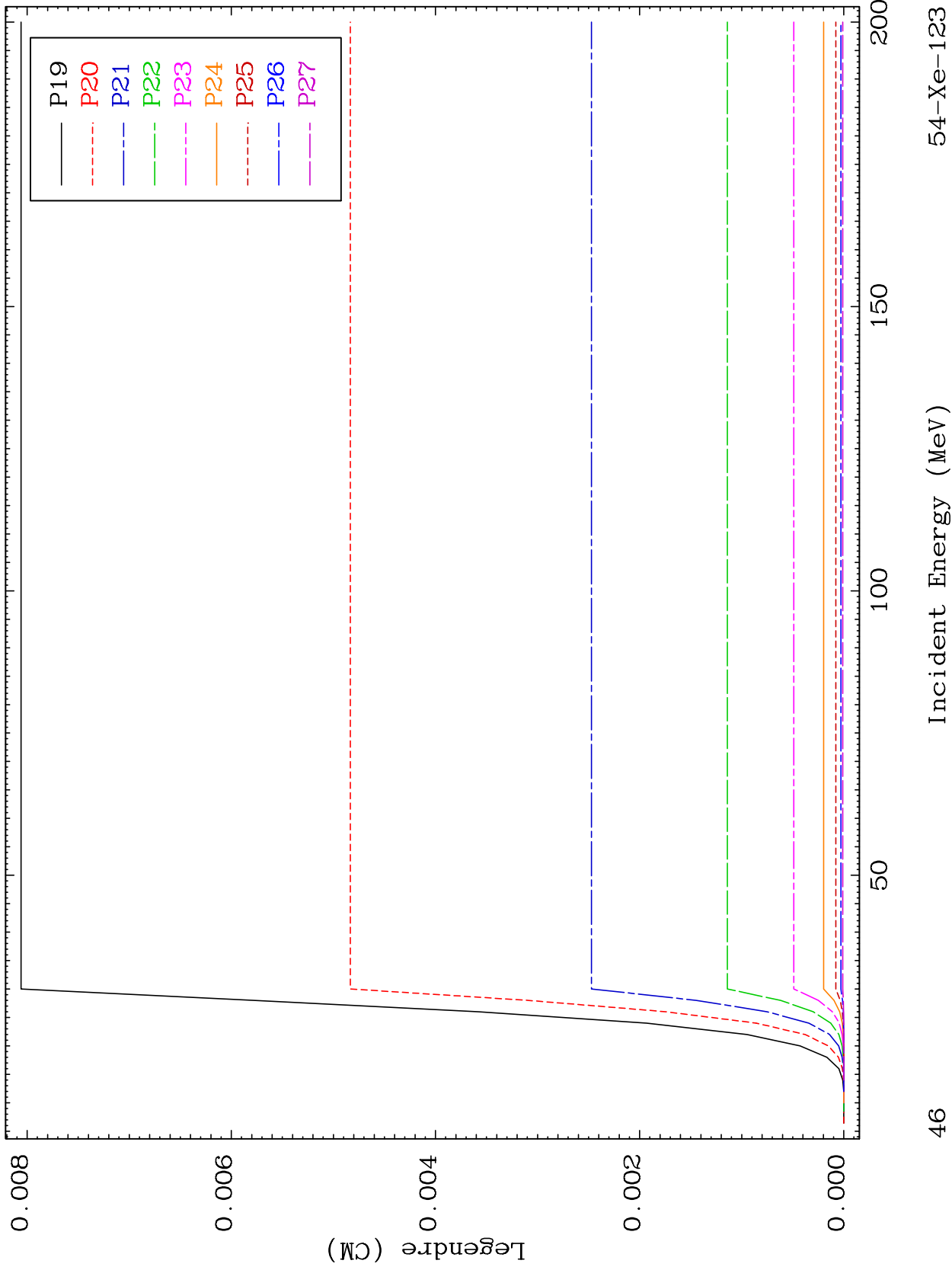
Incident Energy (MeV)

54-Xe-123

MAT 5422

442.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



46

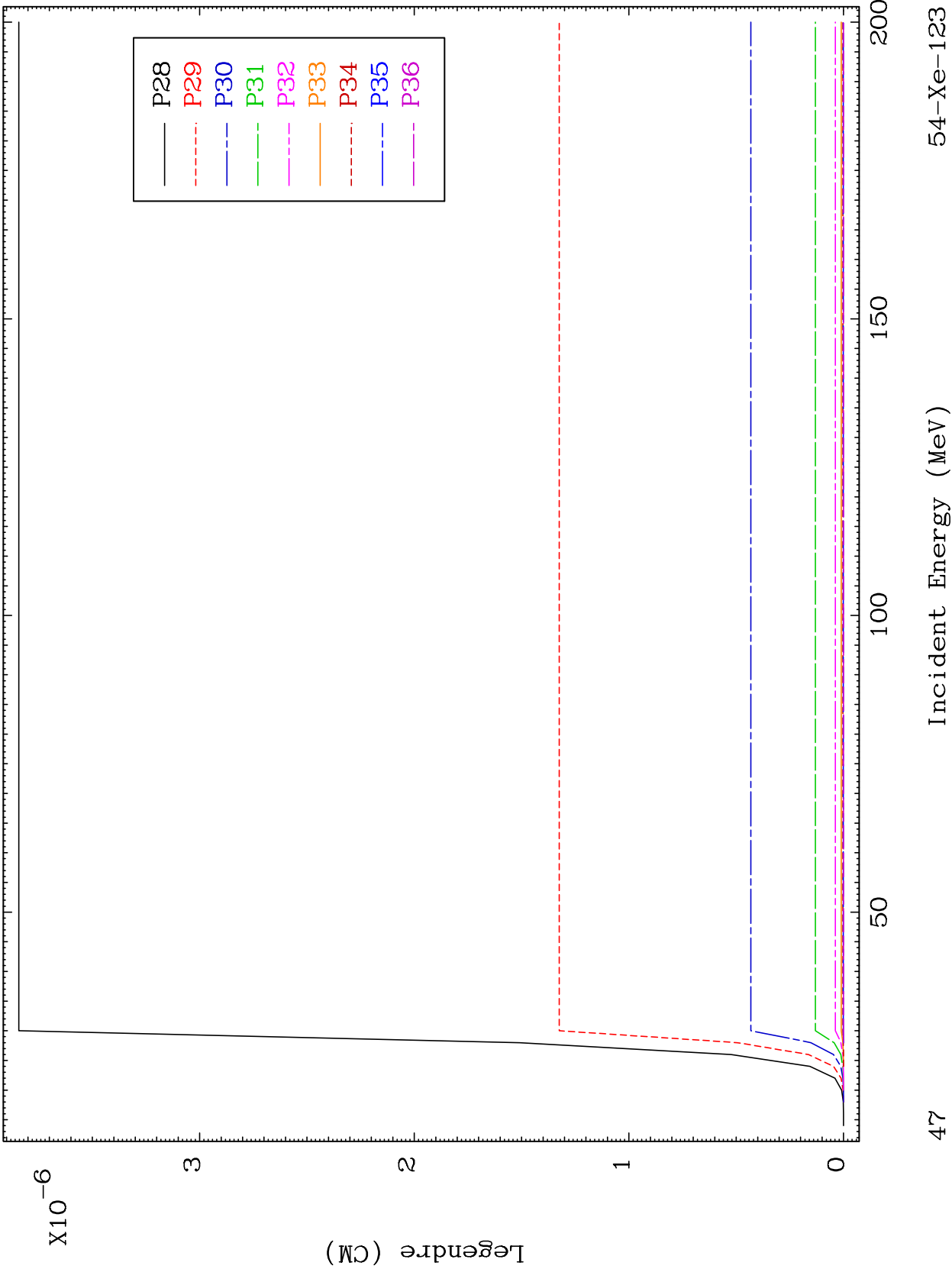
Incident Energy (MeV)

54-Xe-123

MAT 5422

442.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123

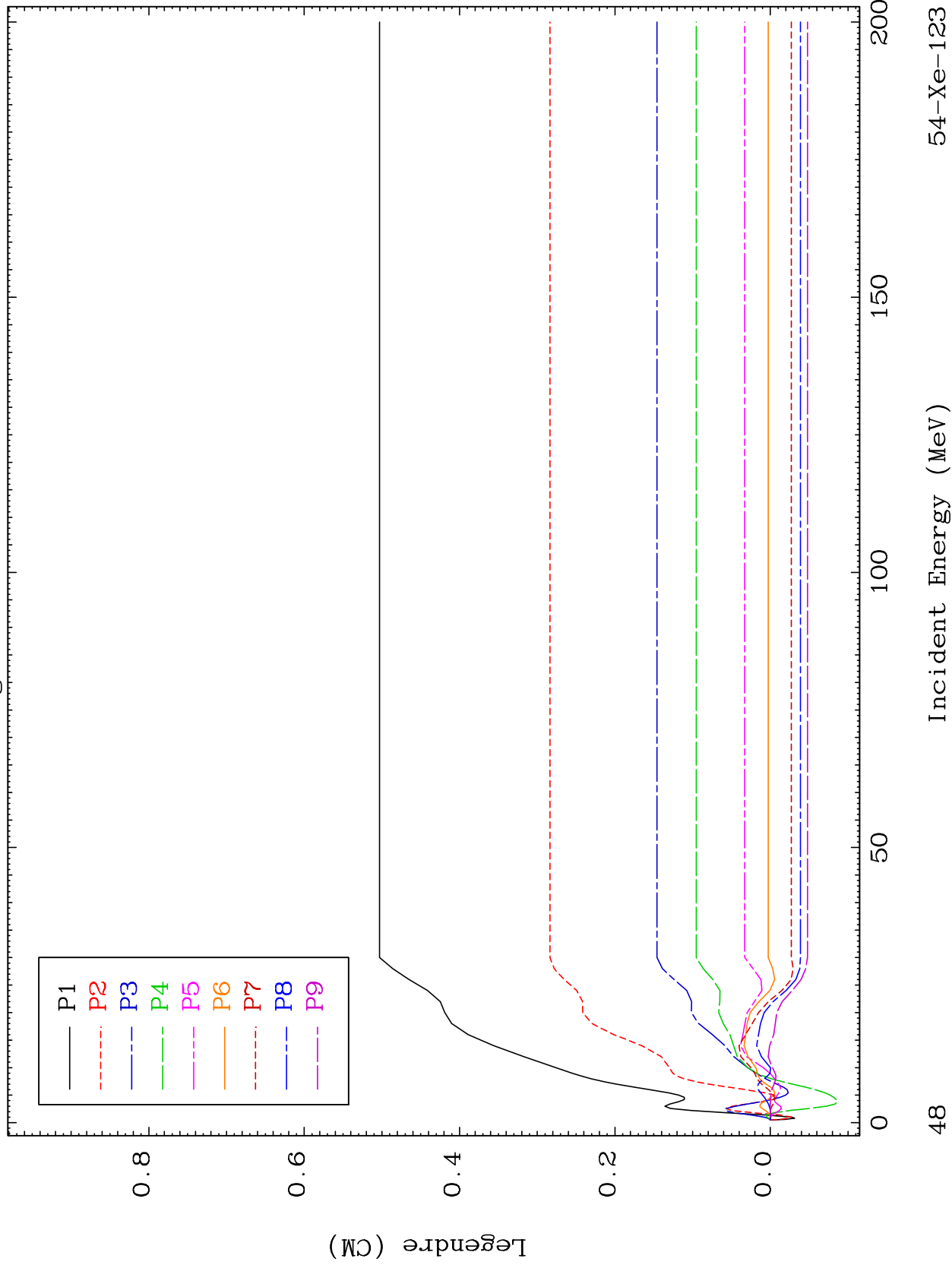




MAT 5422

467.0 keV (n,n') Level  
Legendre Coefficients

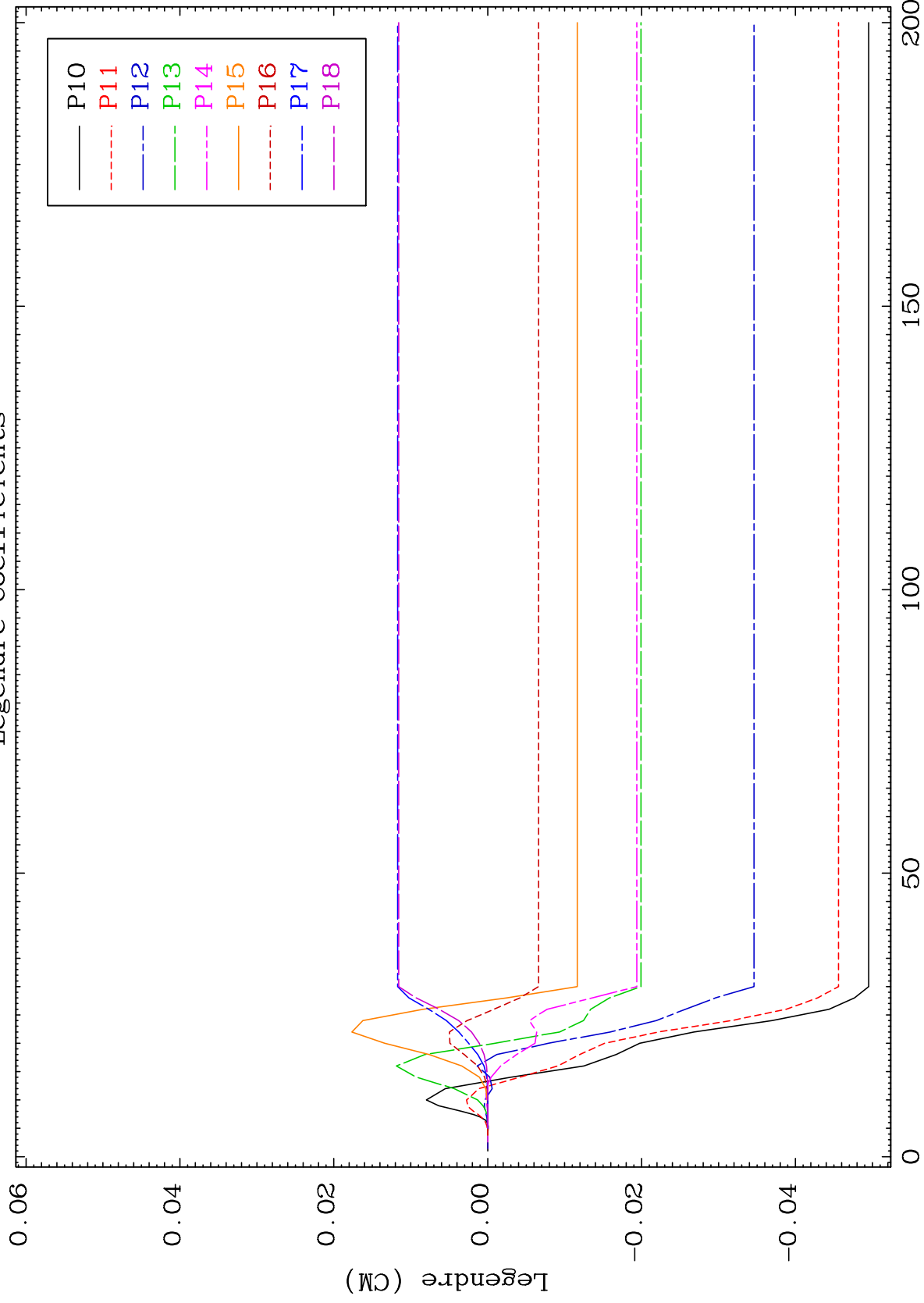
54-Xe-123



54-Xe-123

Incident Energy (MeV)

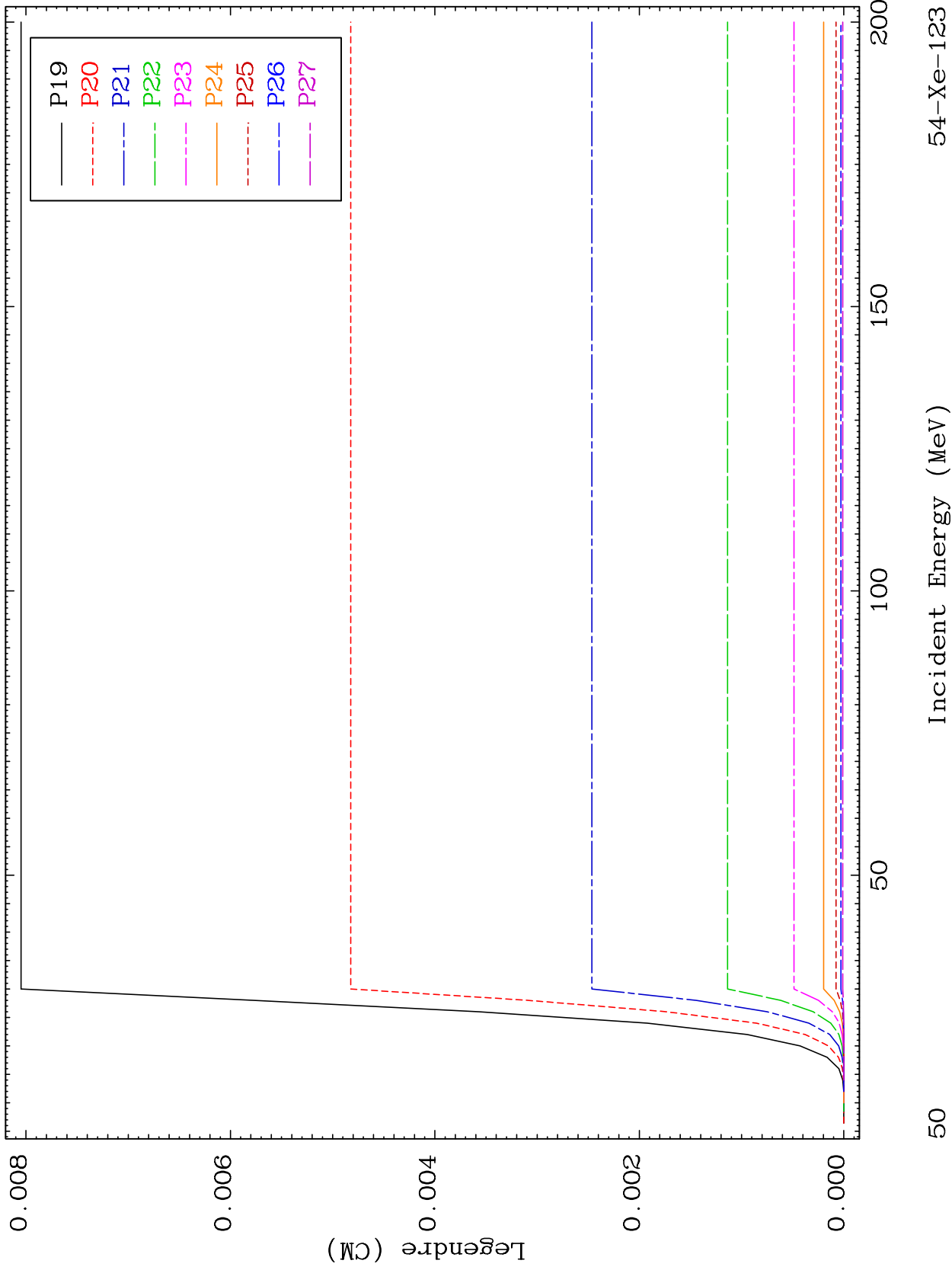
48



MAT 5422

467.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



50

Incident Energy (MeV)

50

100

150

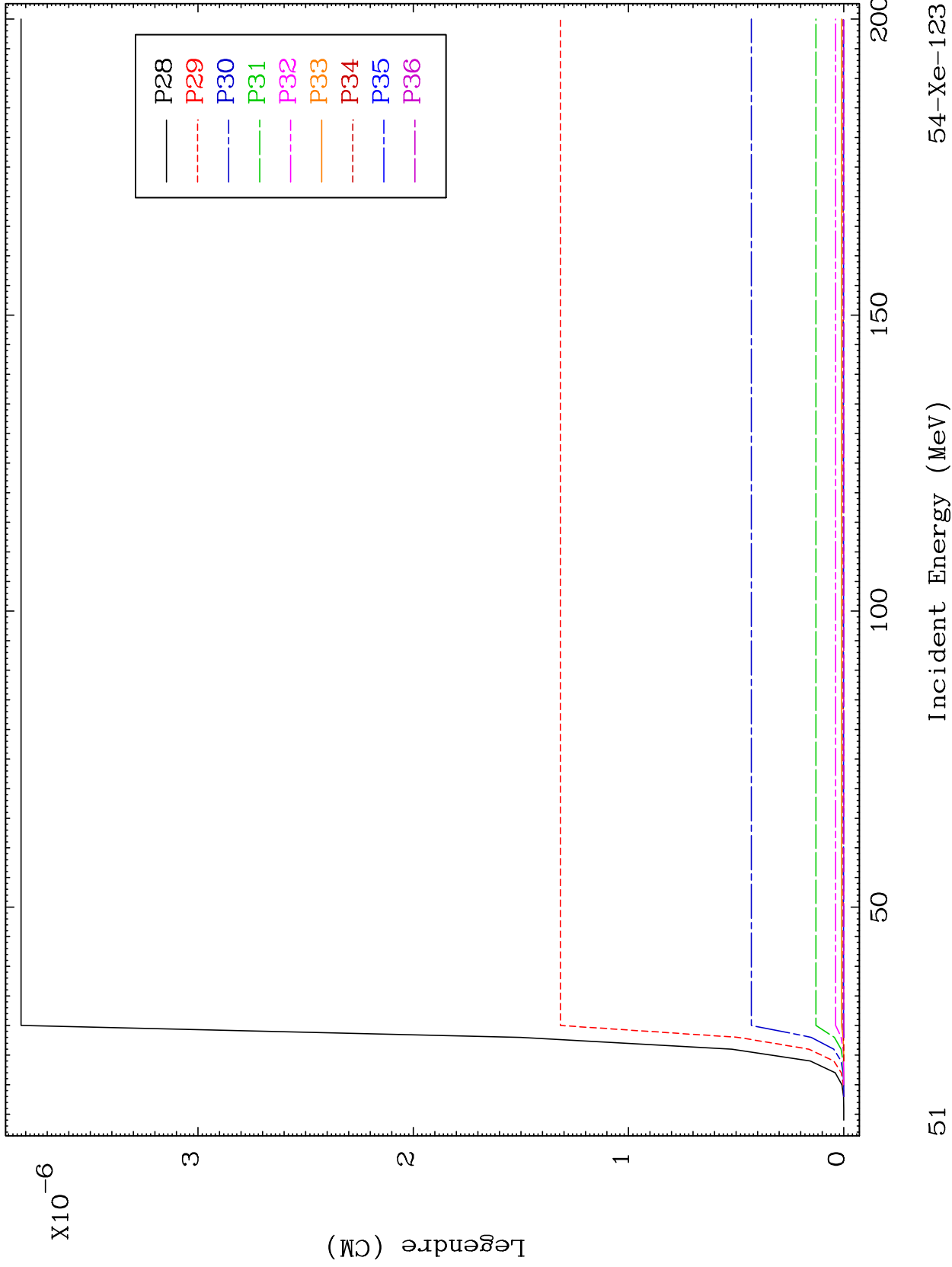
200

54-Xe-123

MAT 5422

467.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



51

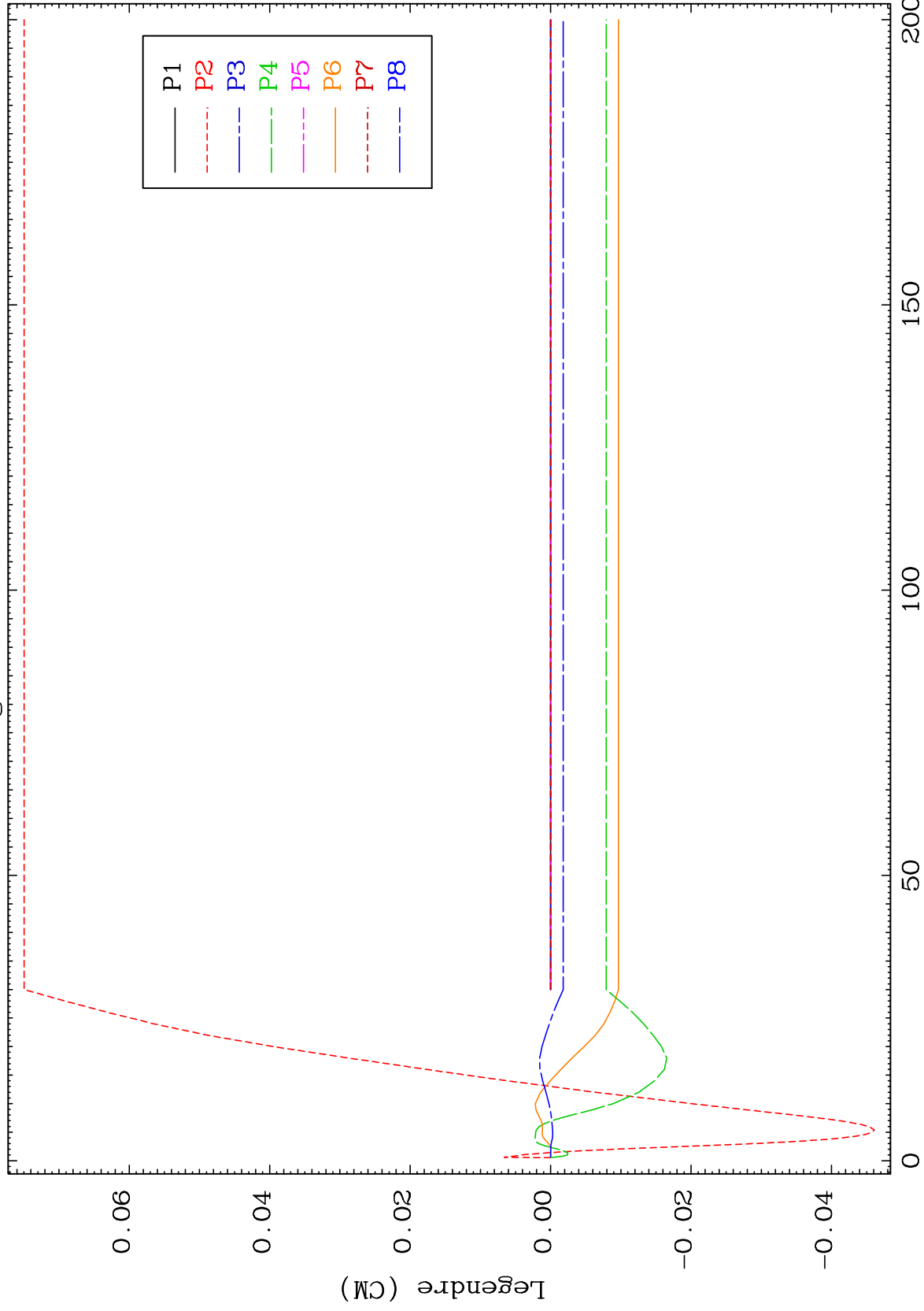
Incident Energy (MeV)

54-Xe-123

MAT 5422

518.4 keV (n,n') Level  
Legendre Coefficients

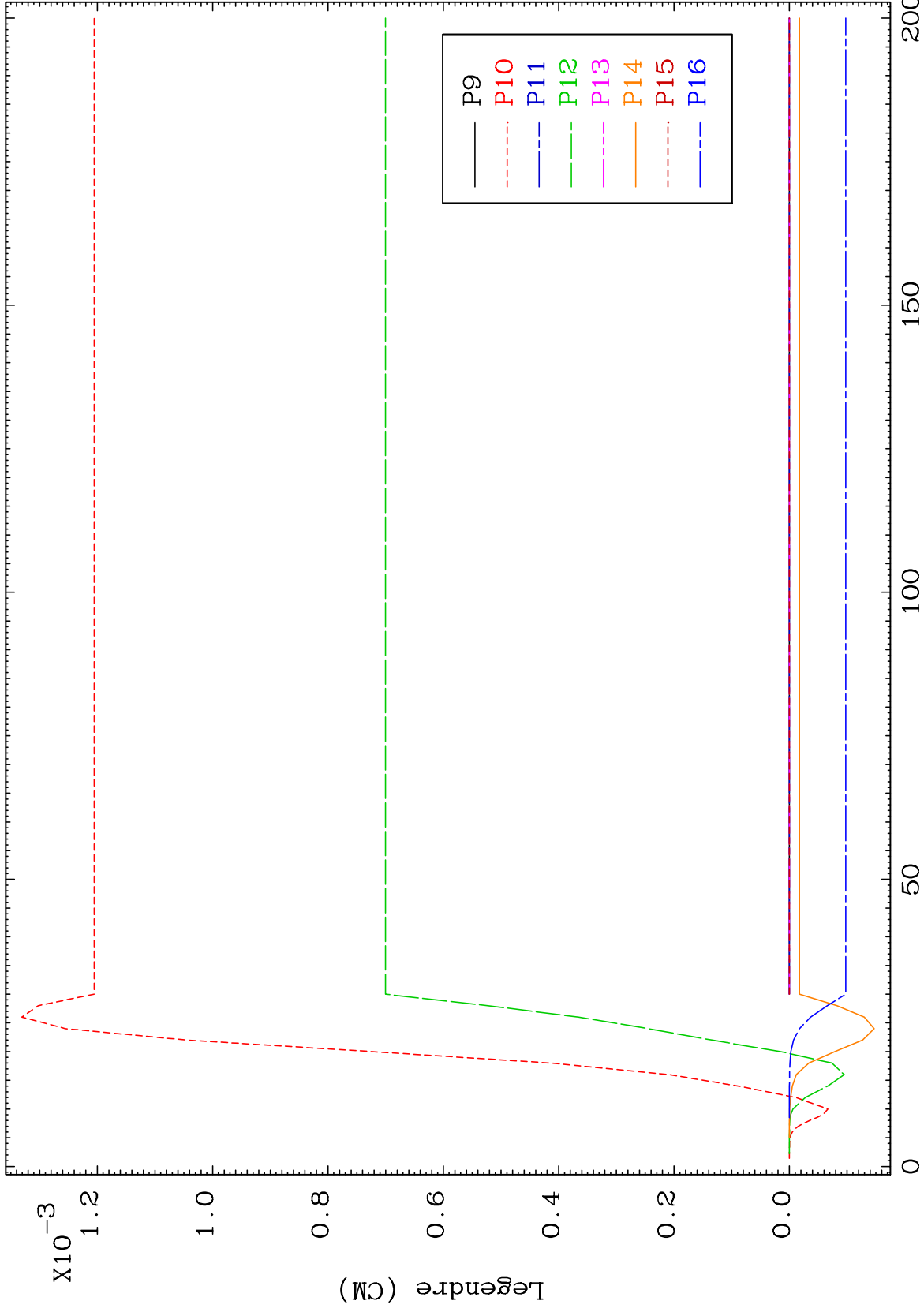
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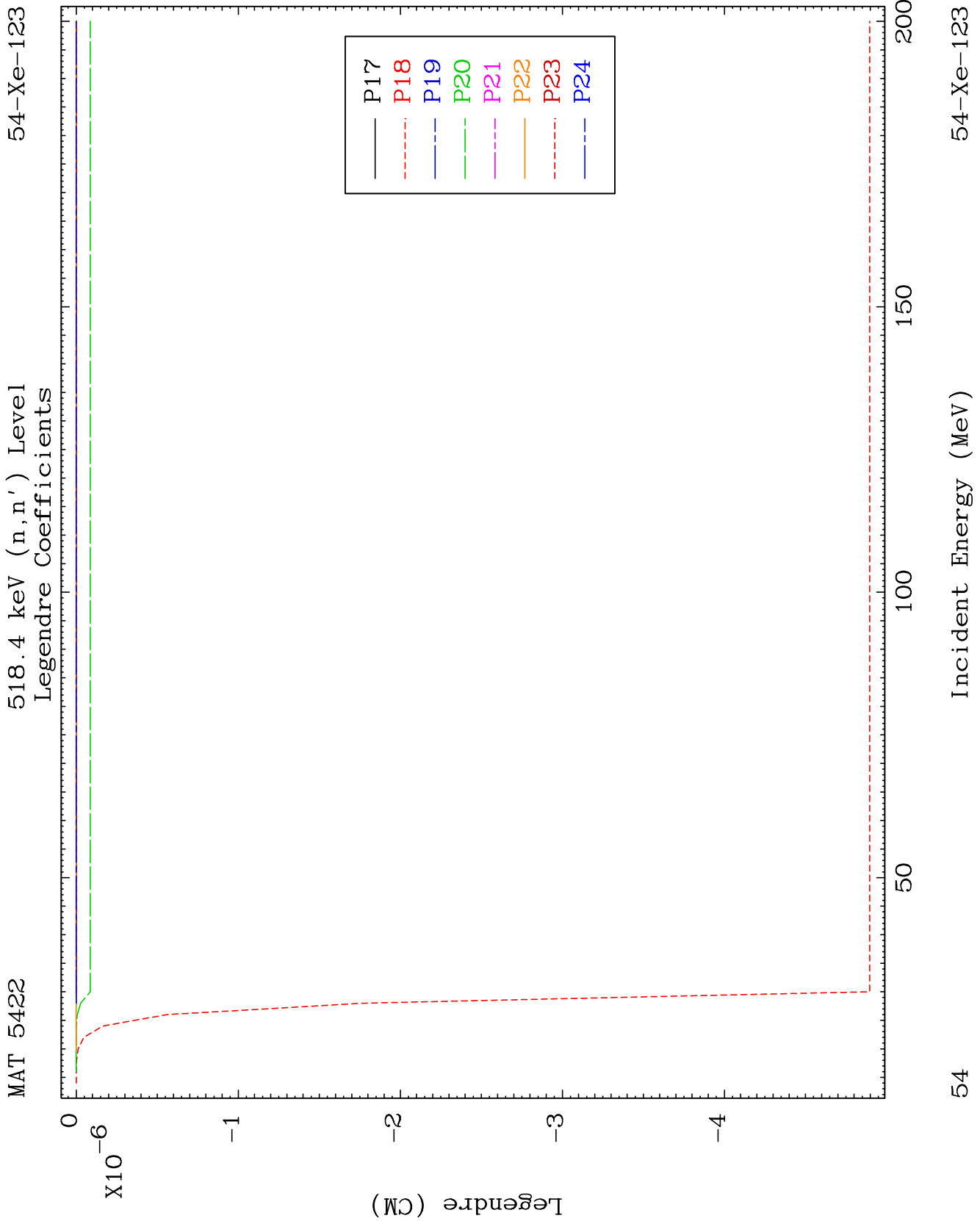


52

Incident Energy (MeV)

54-Xe-123

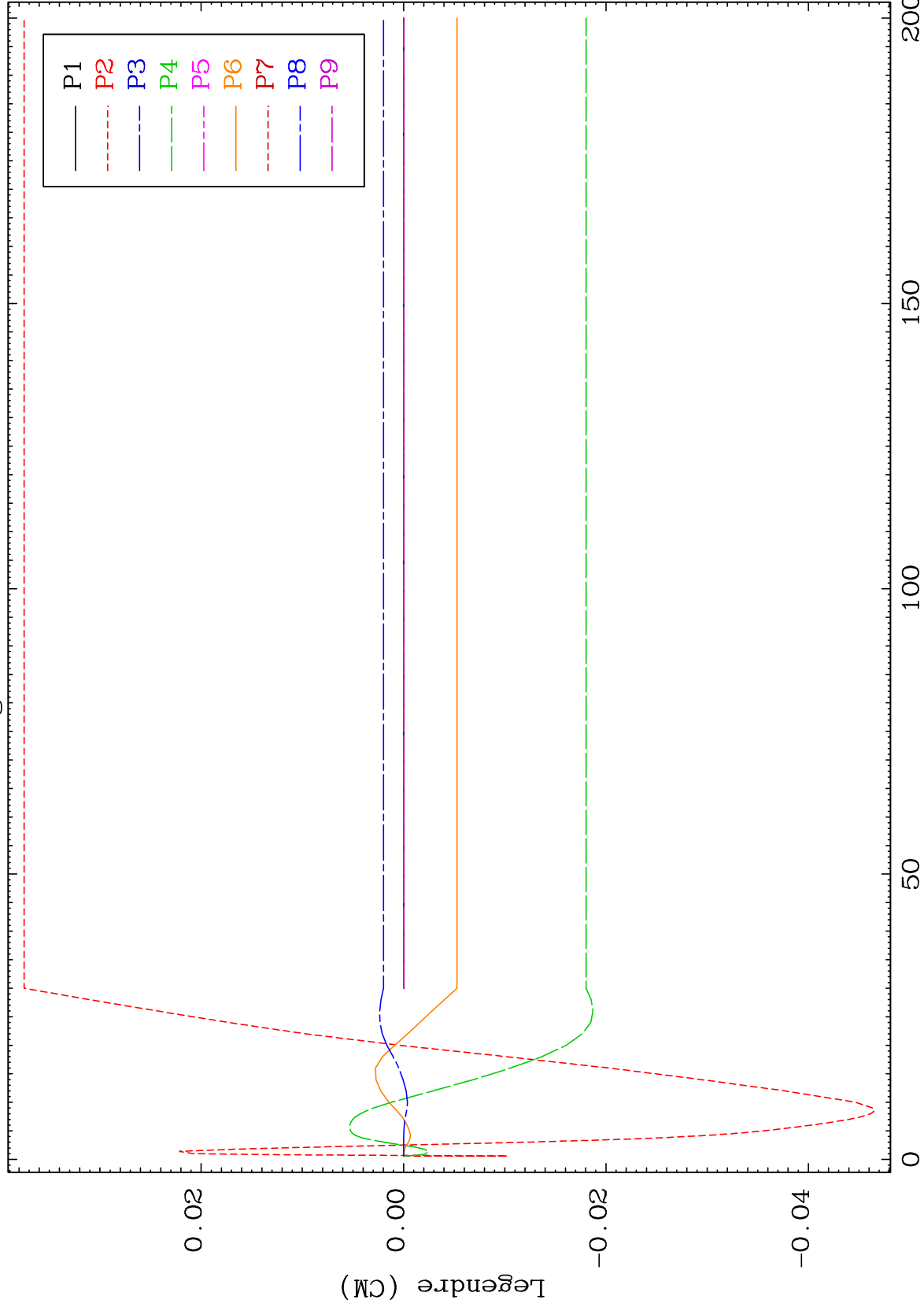




MAT 5422

567.5 keV (n, n') Level  
Legendre Coefficients

54-Xe-123



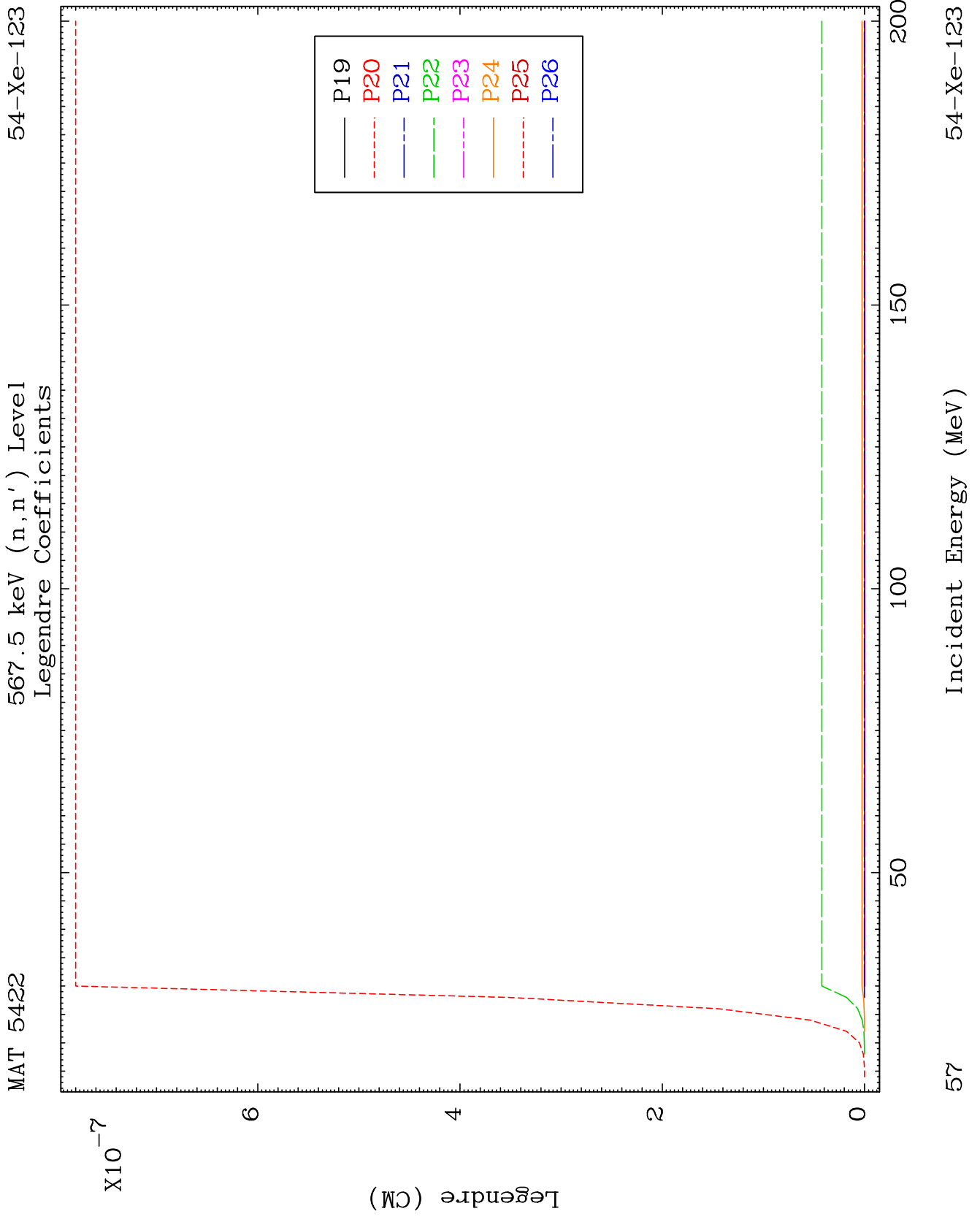
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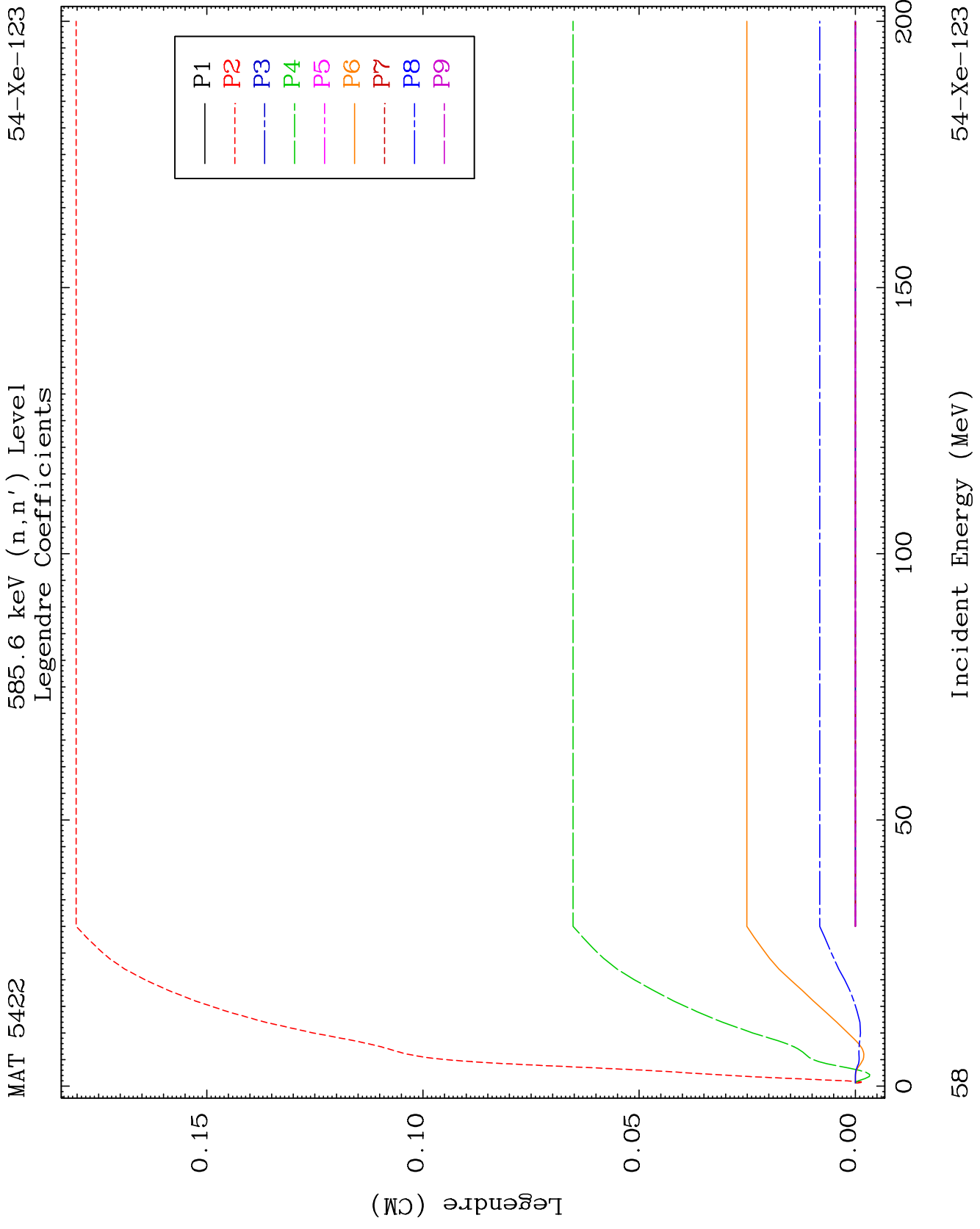
Incident Energy (MeV)

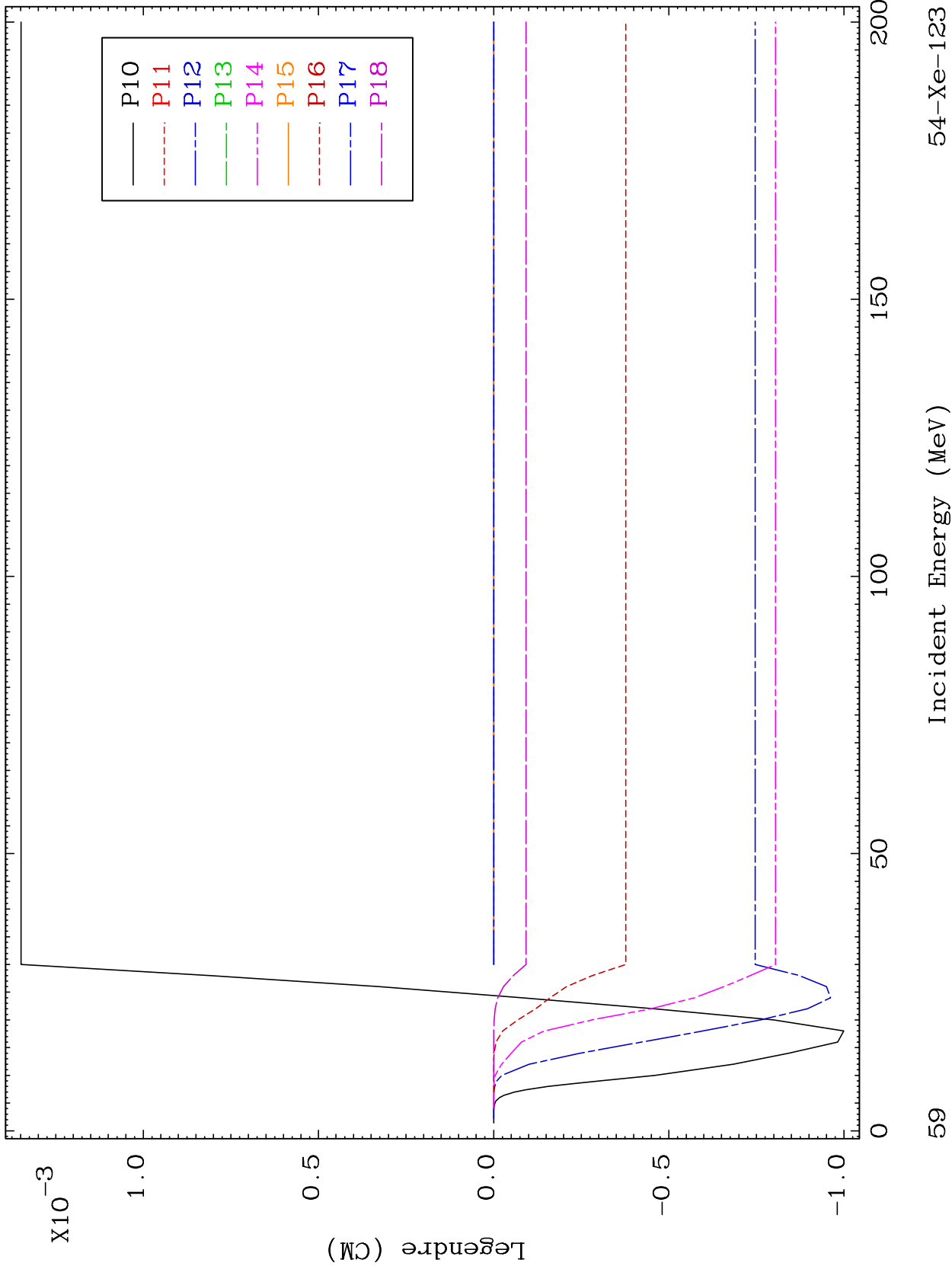
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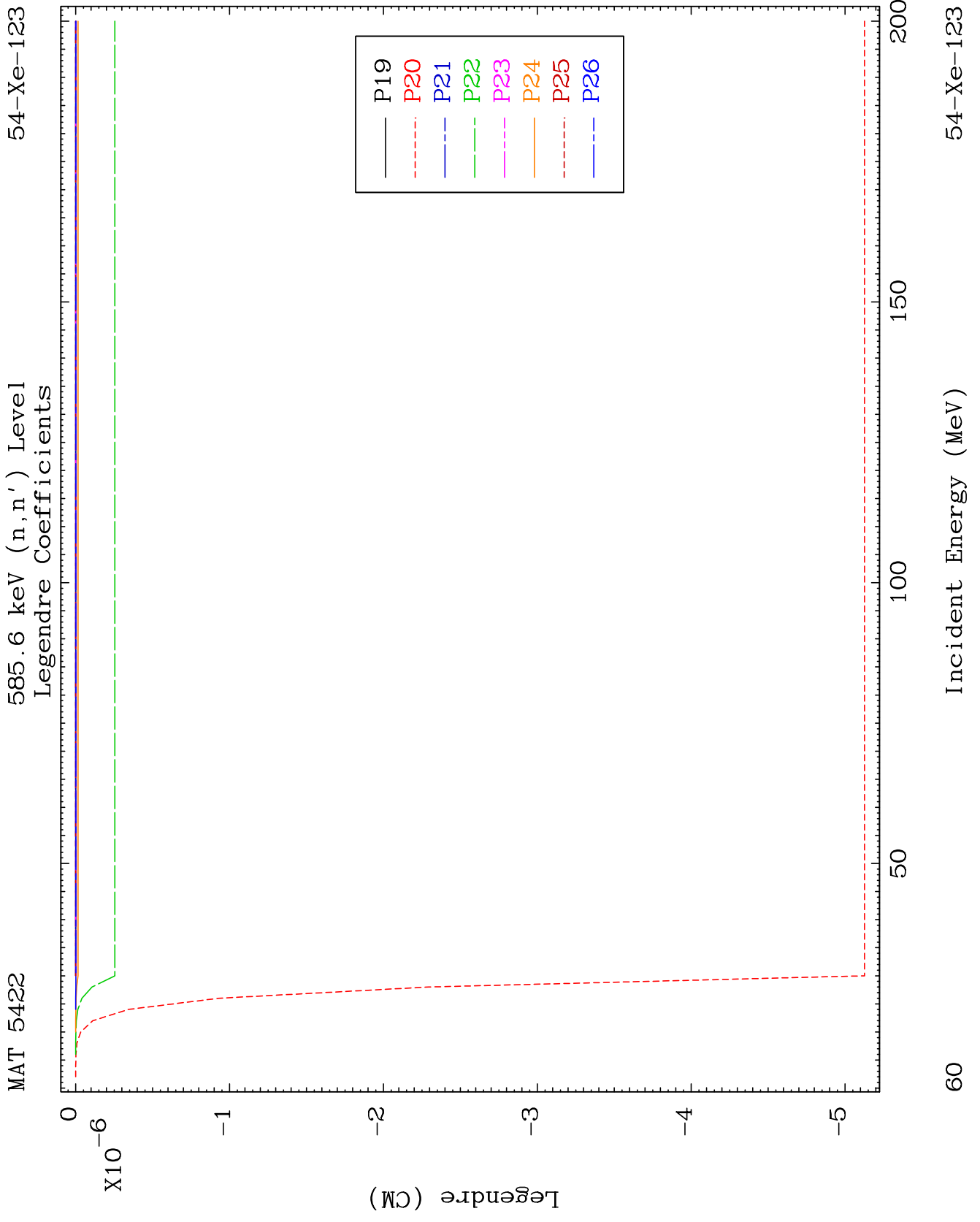








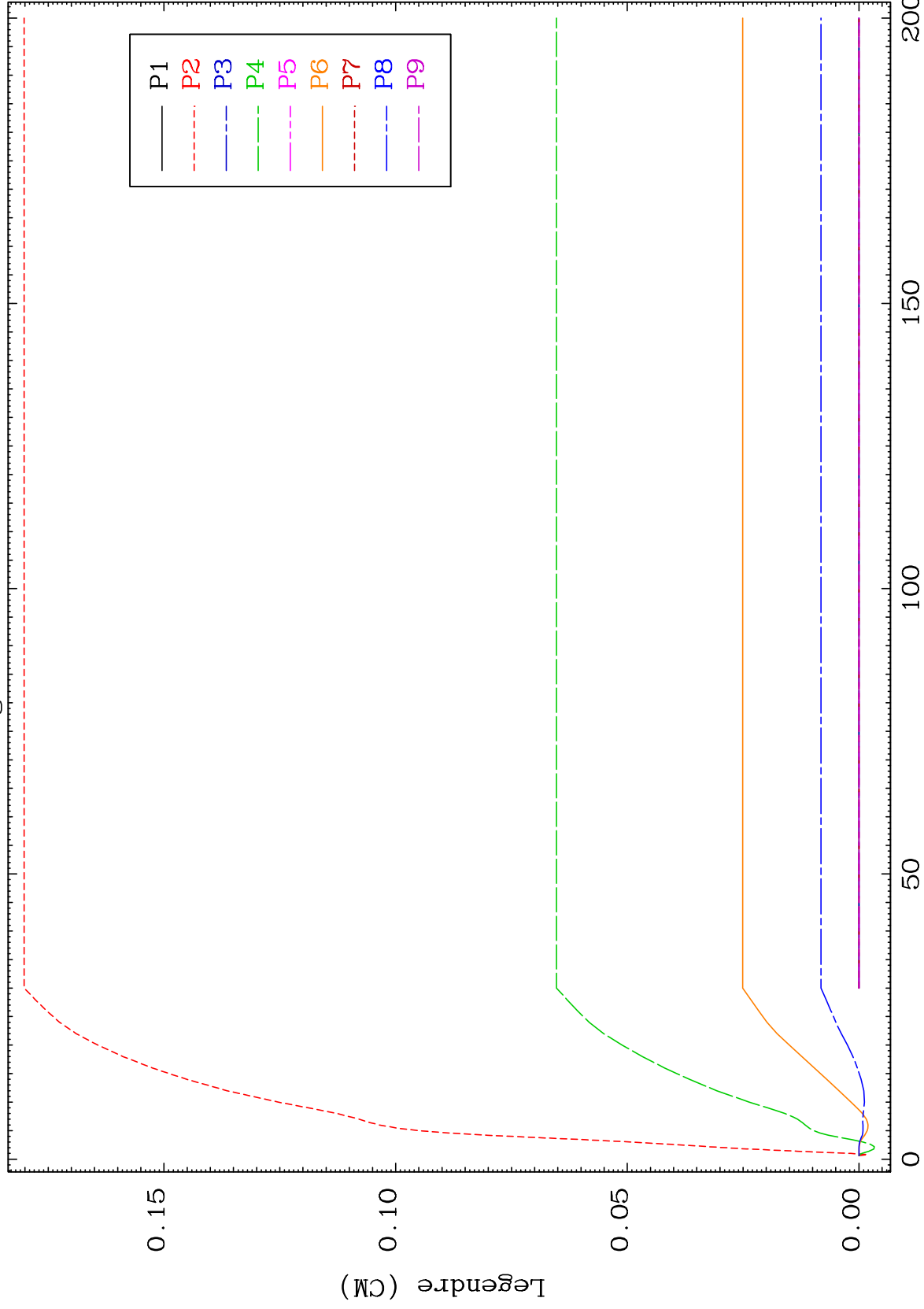




MAT 5422

596.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



61

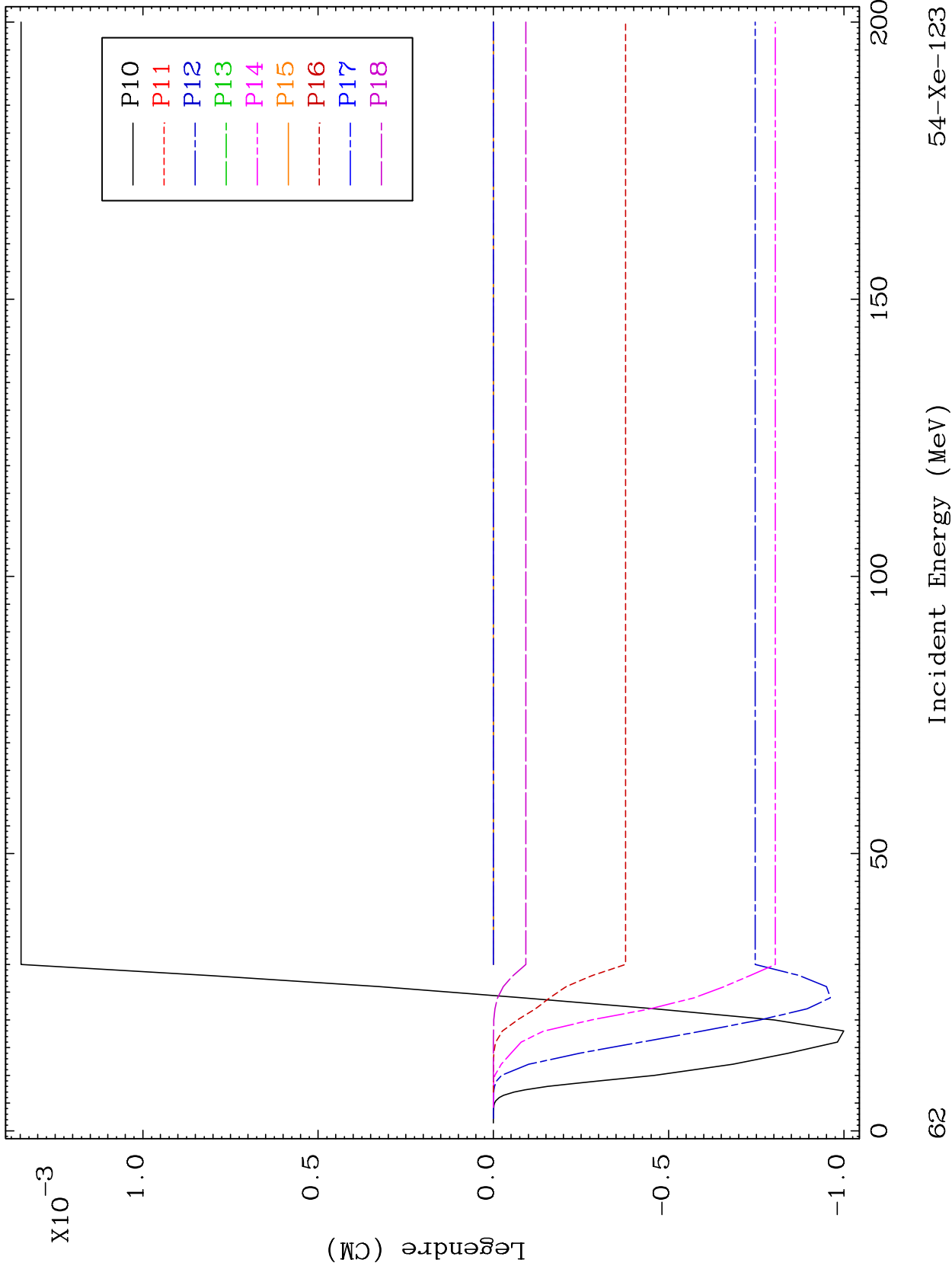
Incident Energy (MeV)

54-Xe-123

MAT 5422

596.6 keV (n,n') Level  
Legendre Coefficients

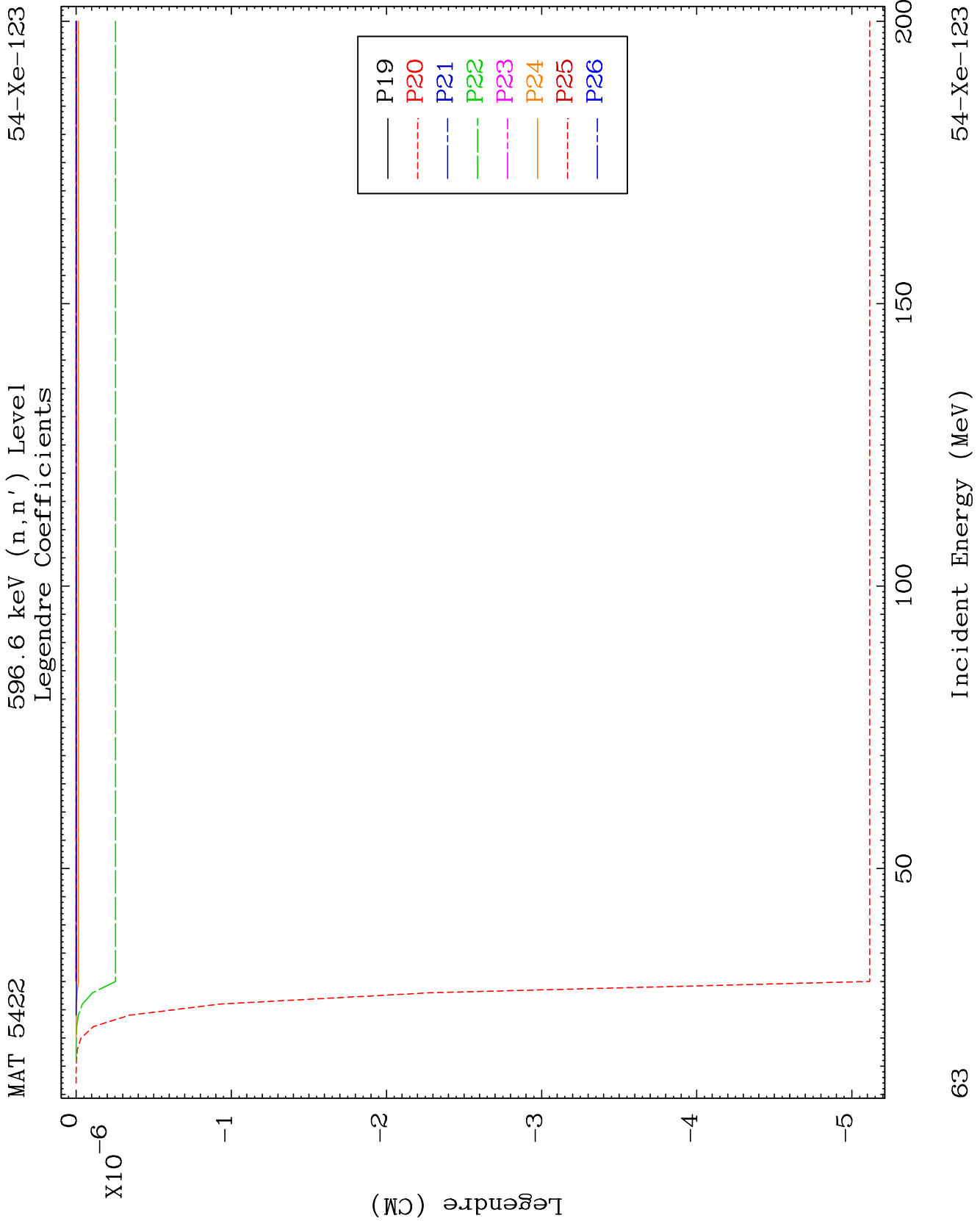
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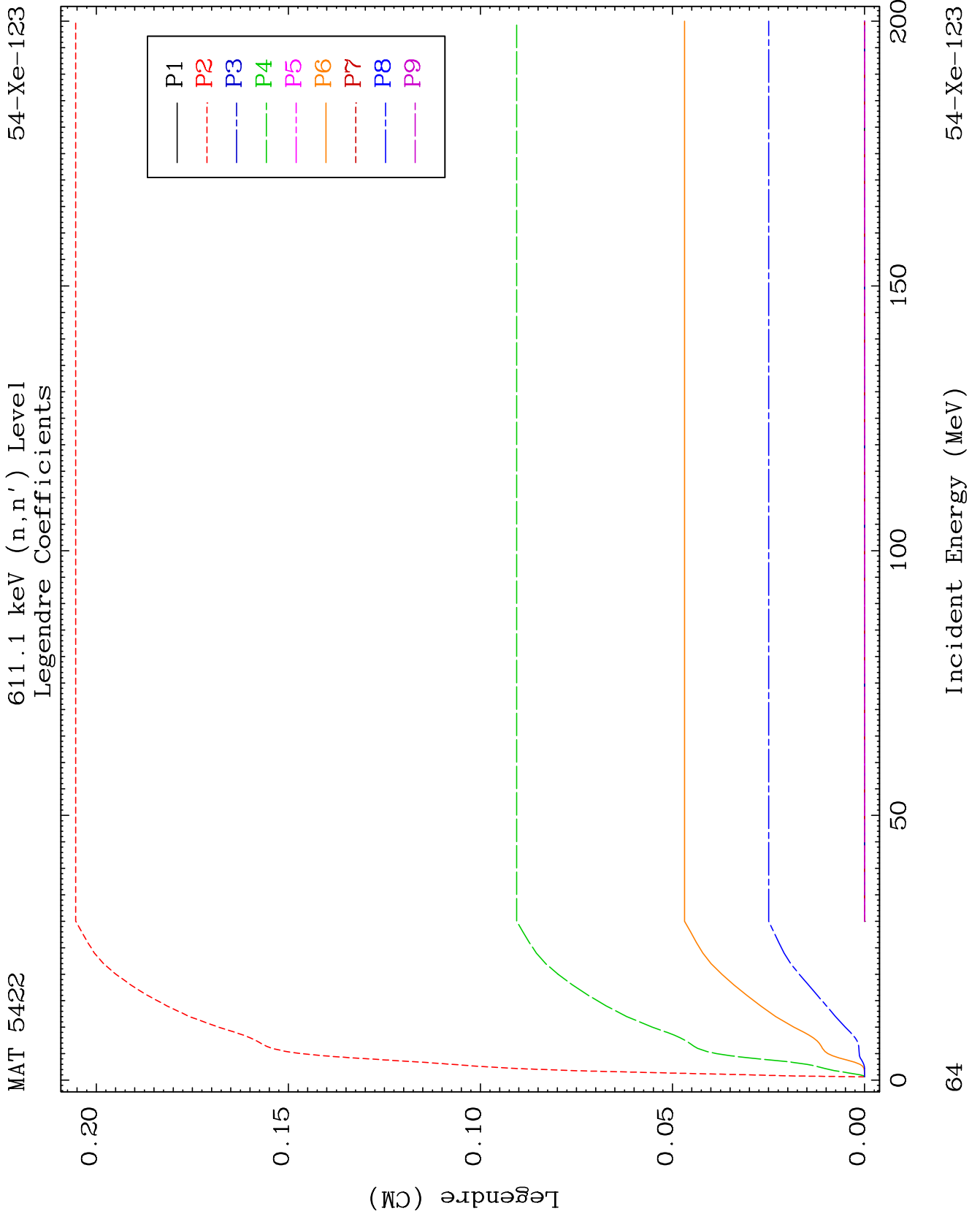
54-Xe-123

Incident Energy (MeV)

62



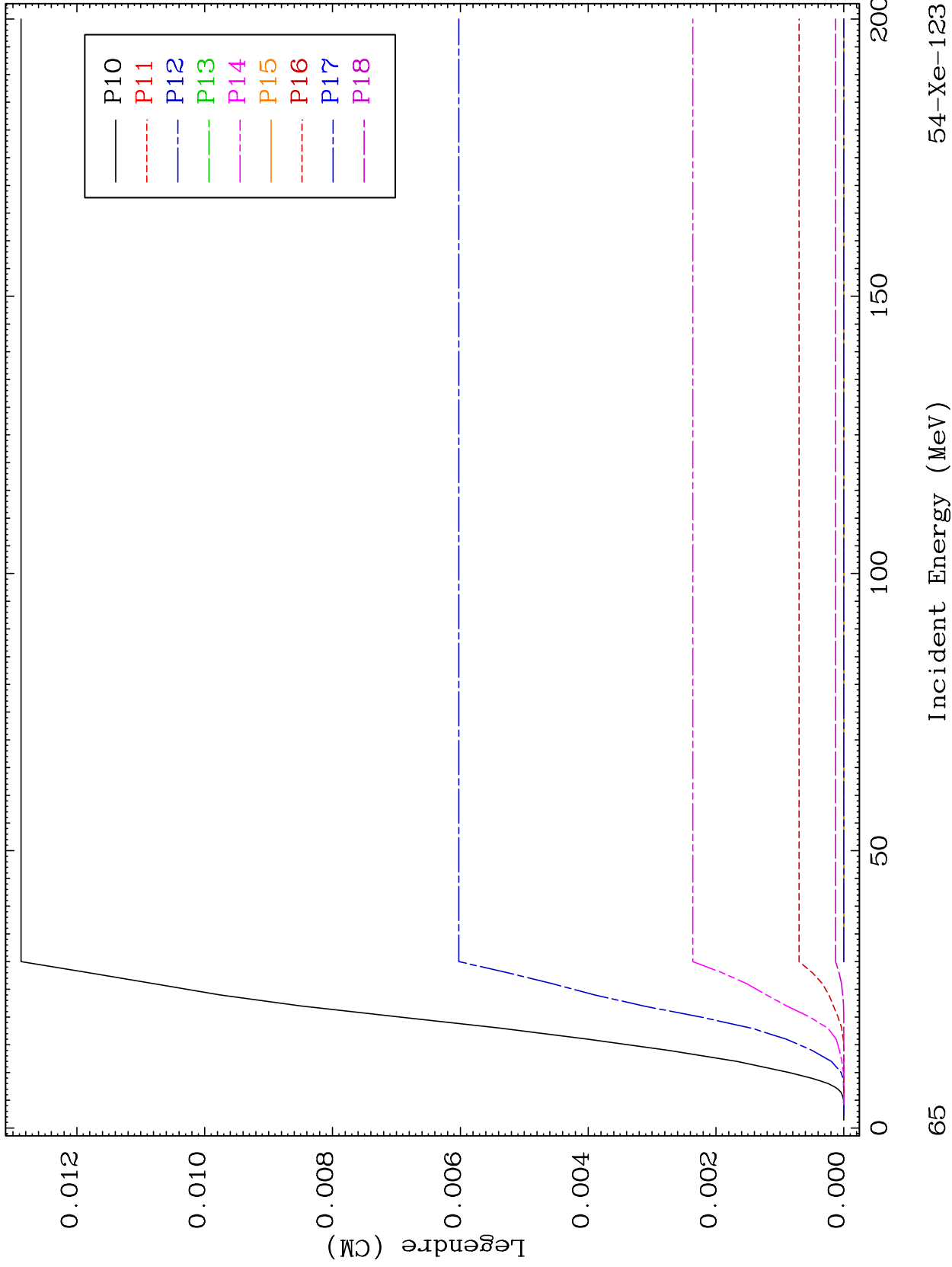




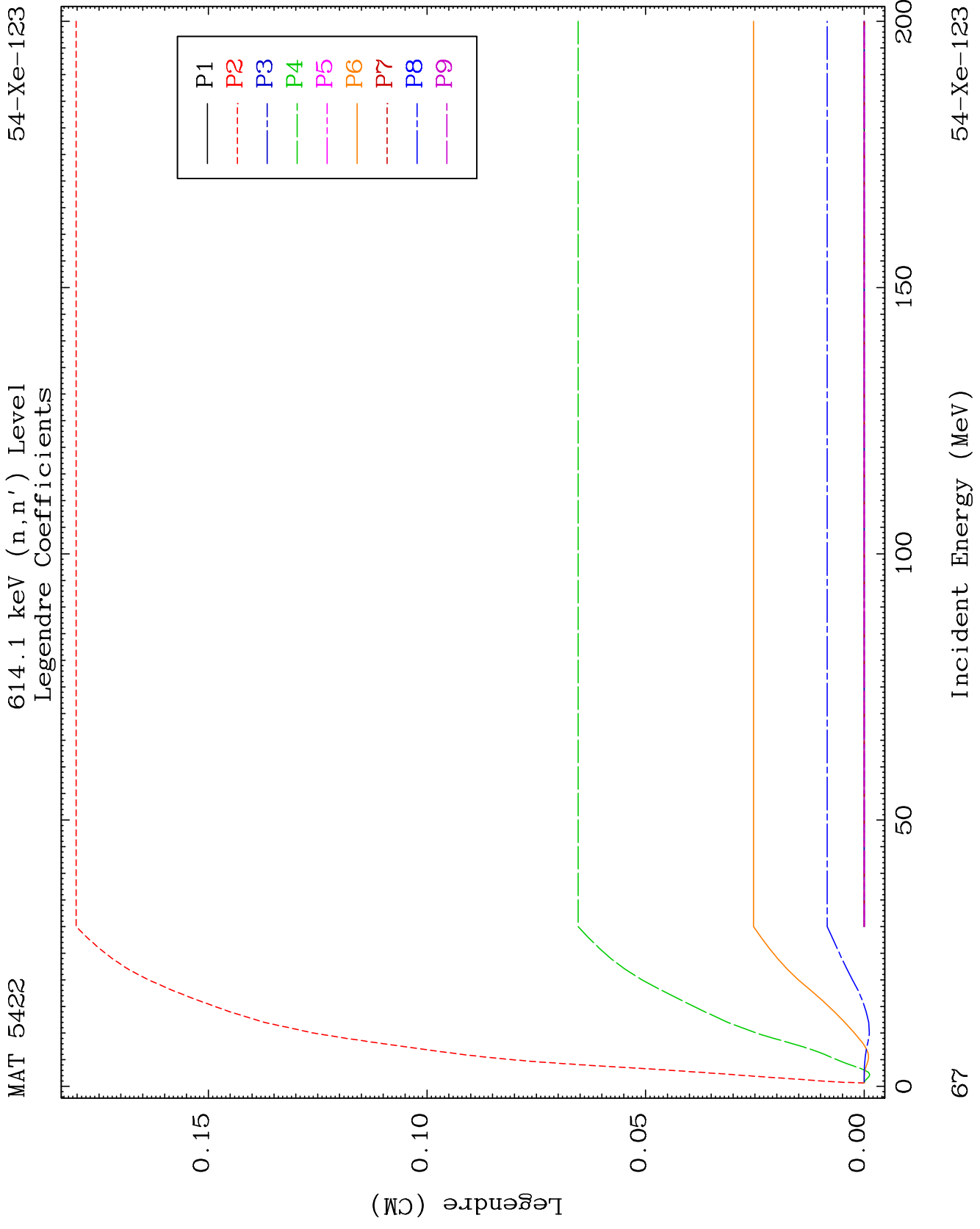
MAT 5422

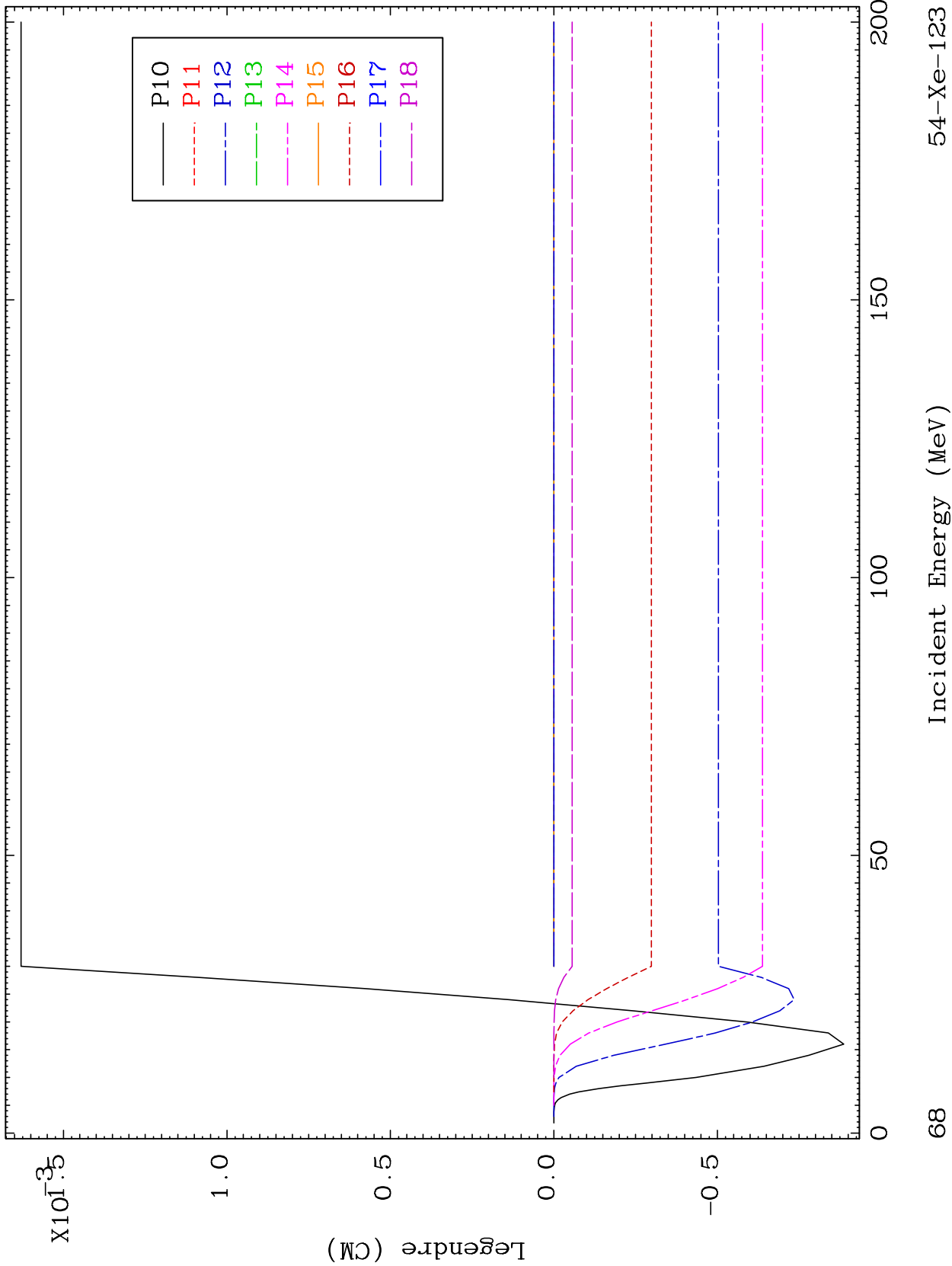
611.1 keV (n,n') Level  
Legendre Coefficients

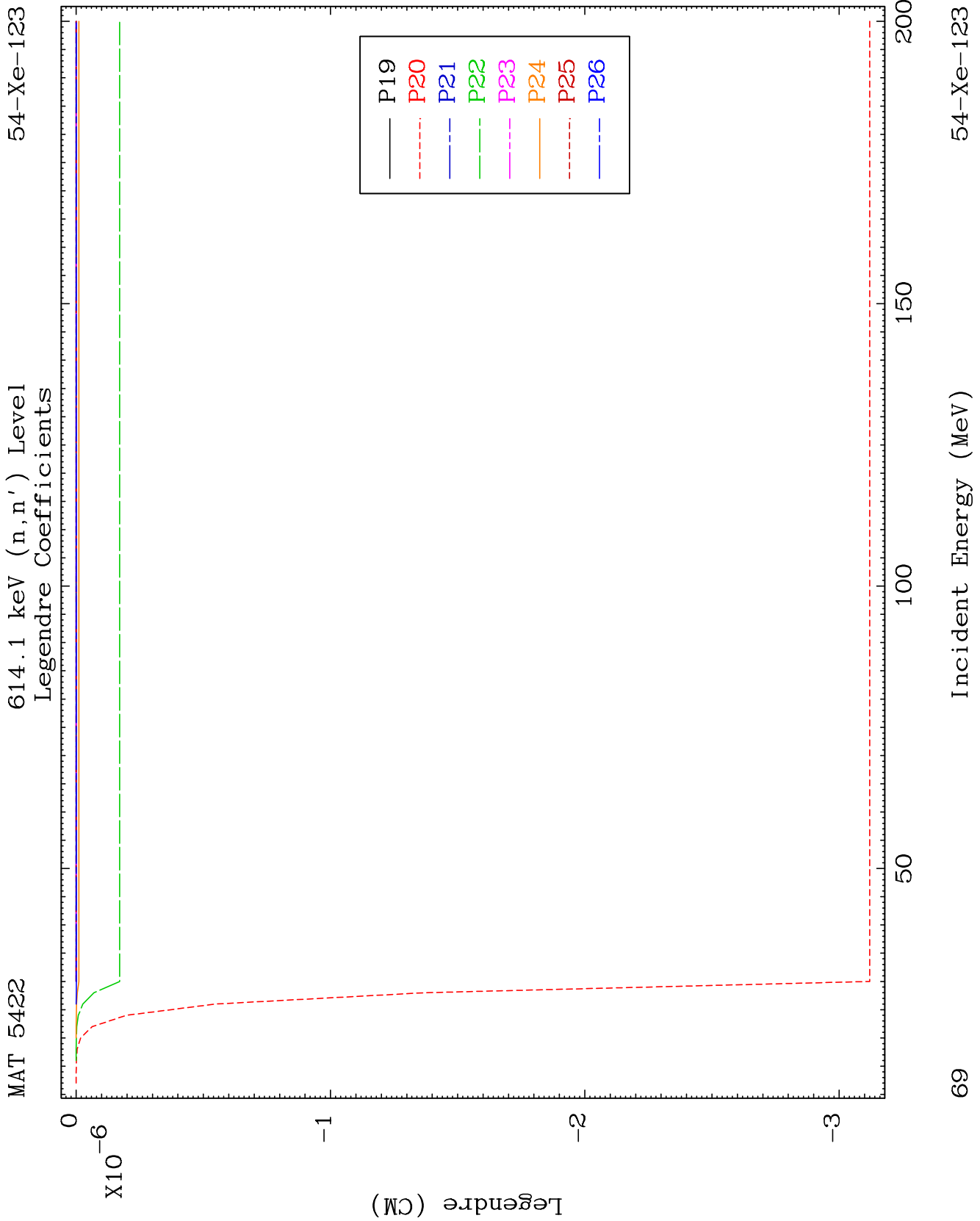
54-Xe-123







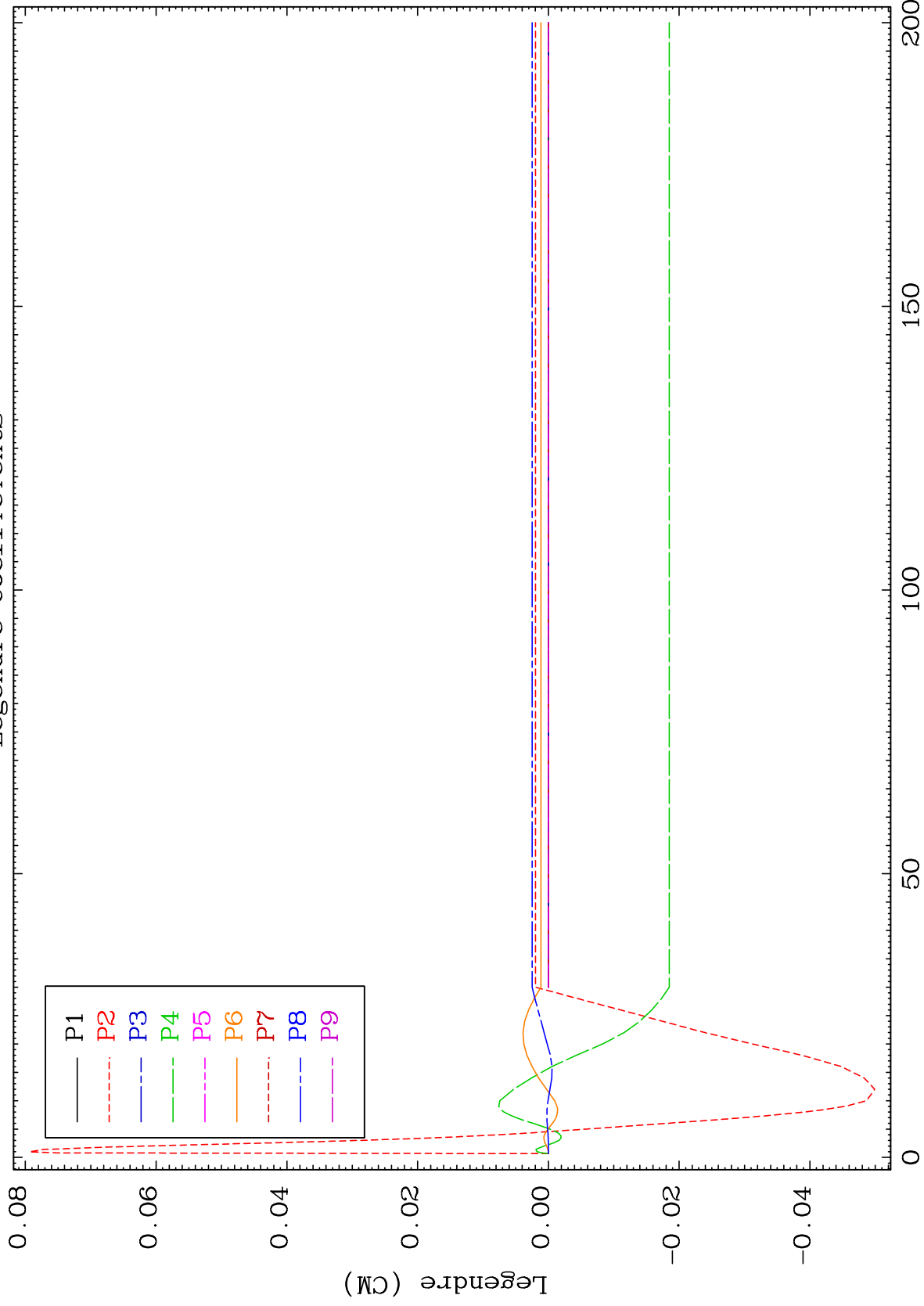




MAT 5422

662.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

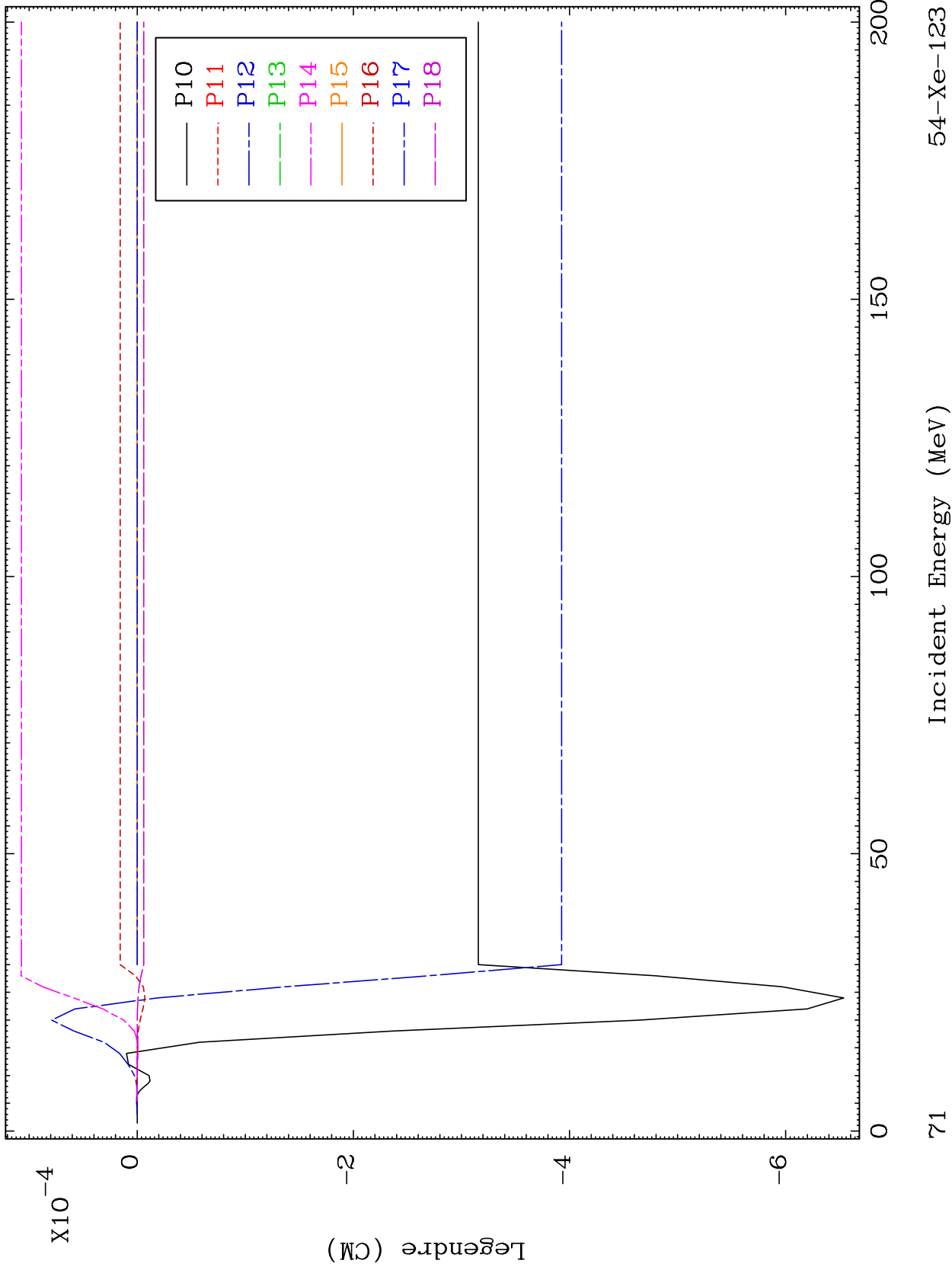
Incident Energy (MeV)

70

MAT 5422

662.0 keV (n,n') Level  
Legendre Coefficients

54-Xe-123

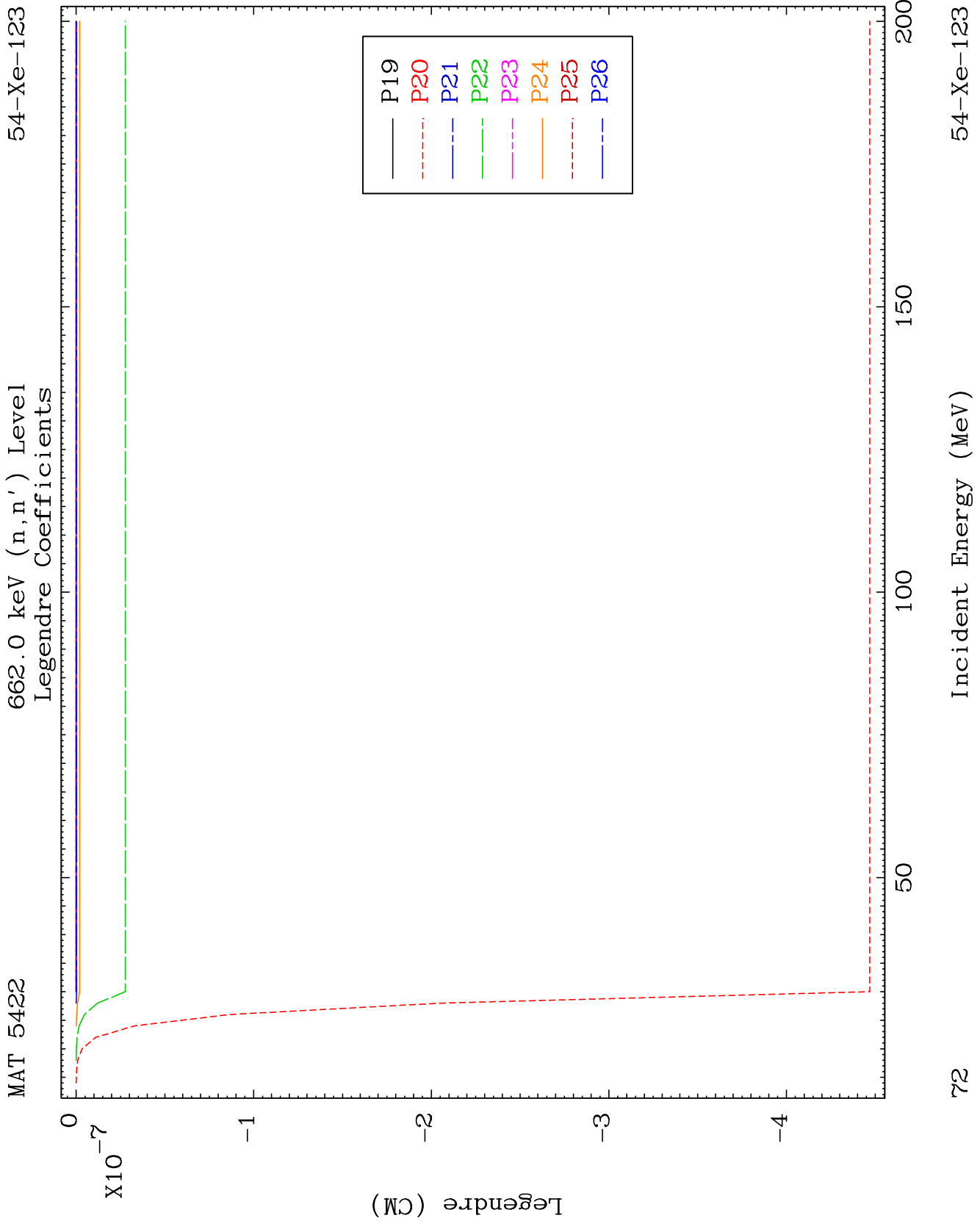


71

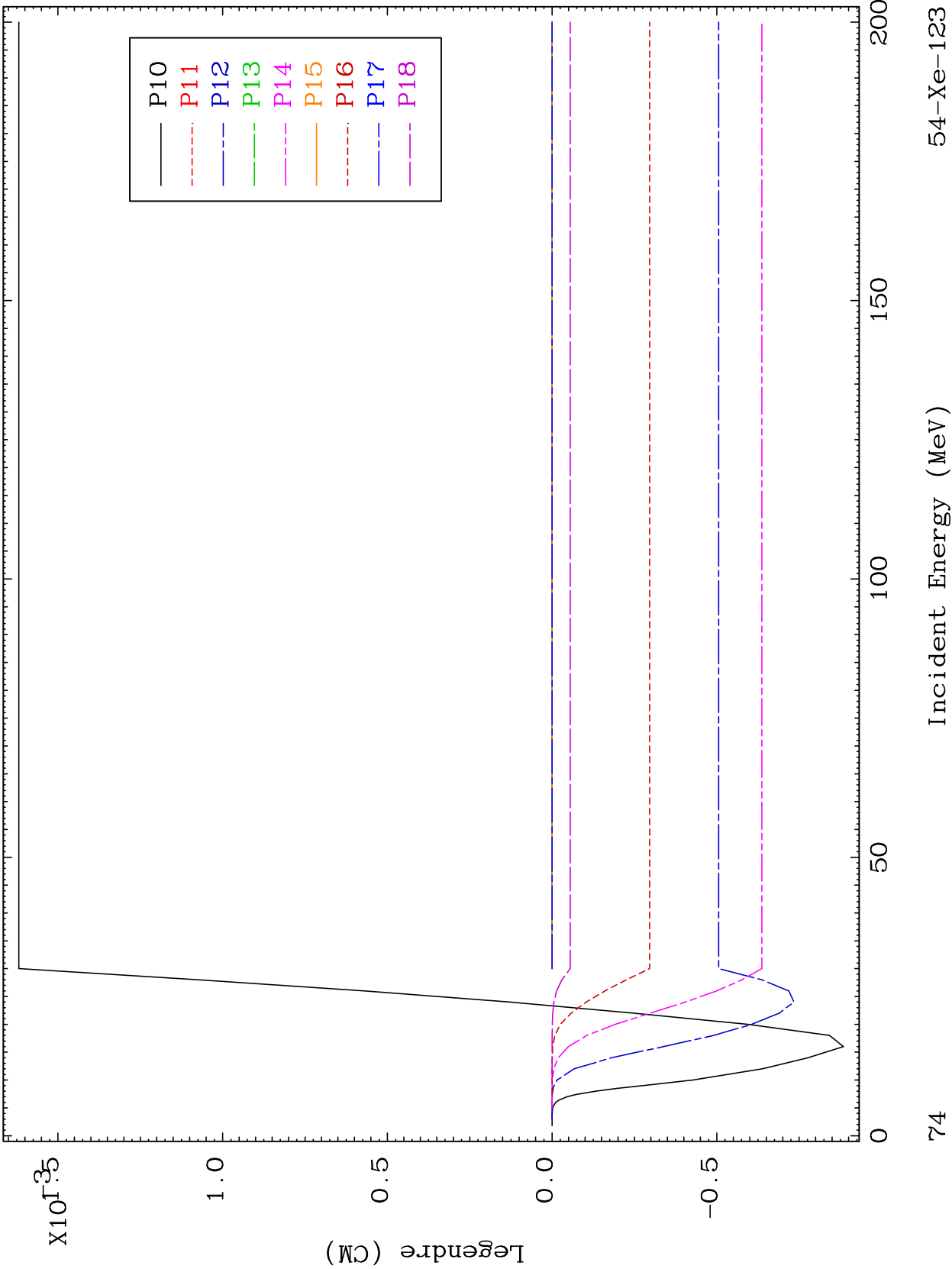
Incident Energy (MeV)

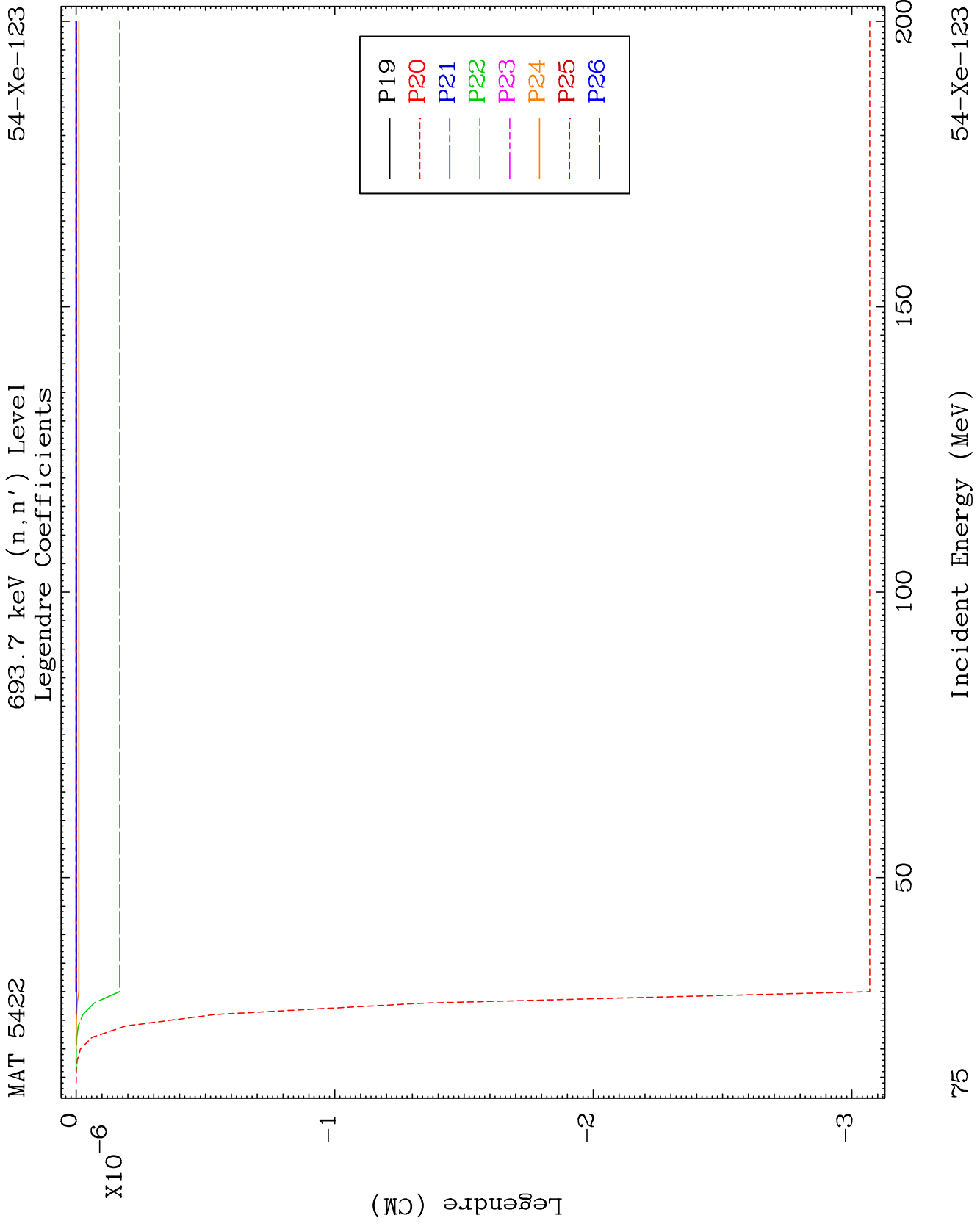
54-Xe-123

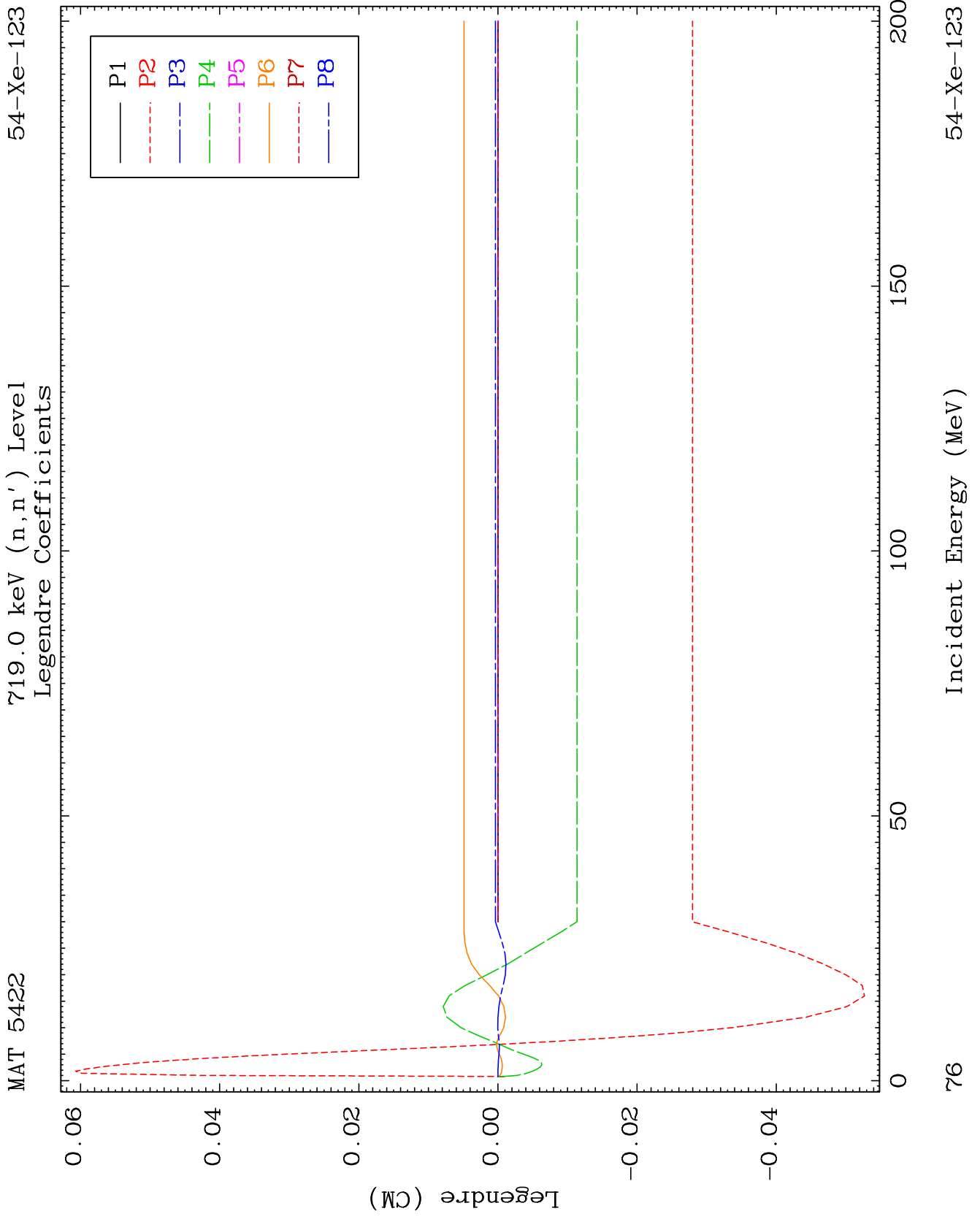


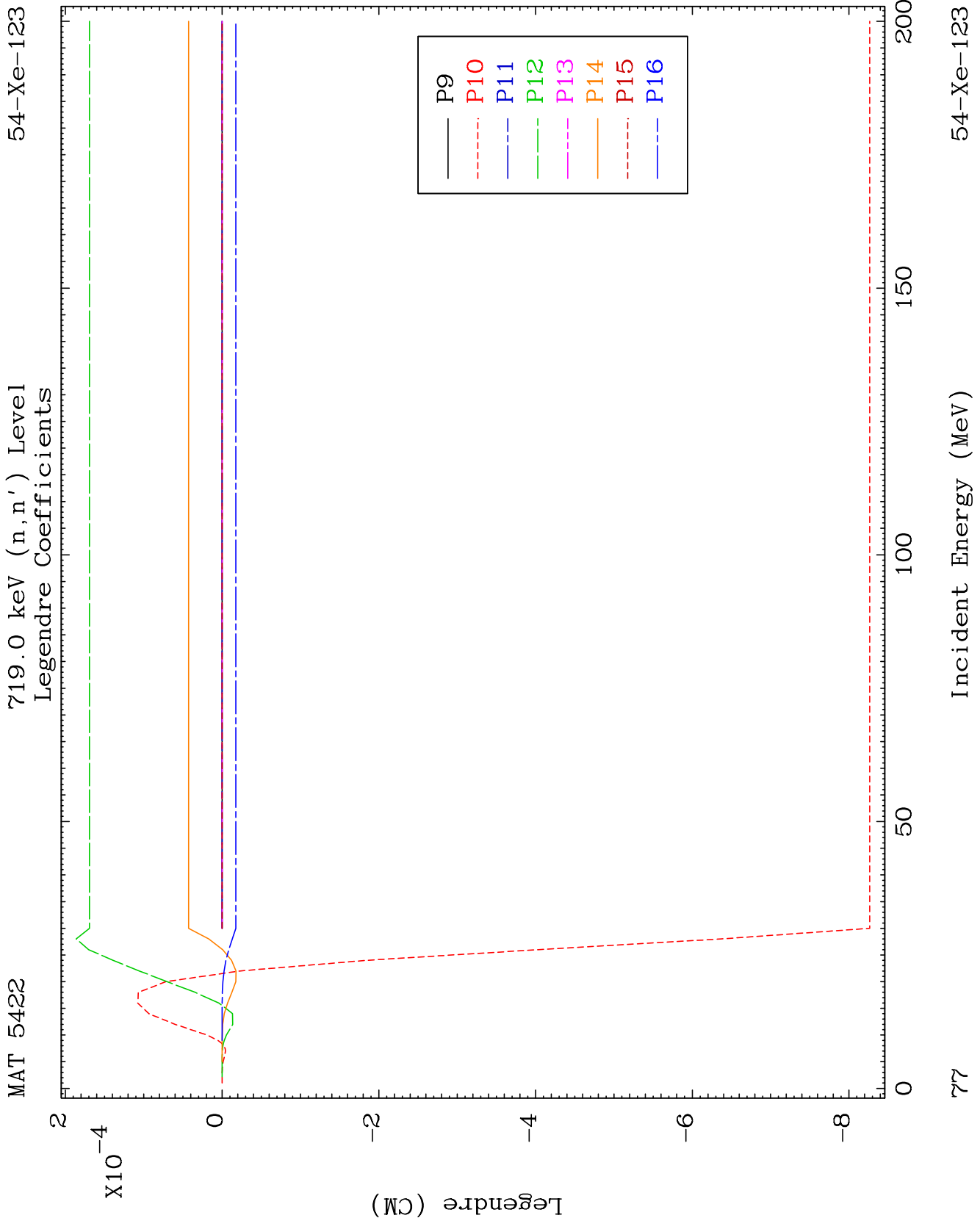


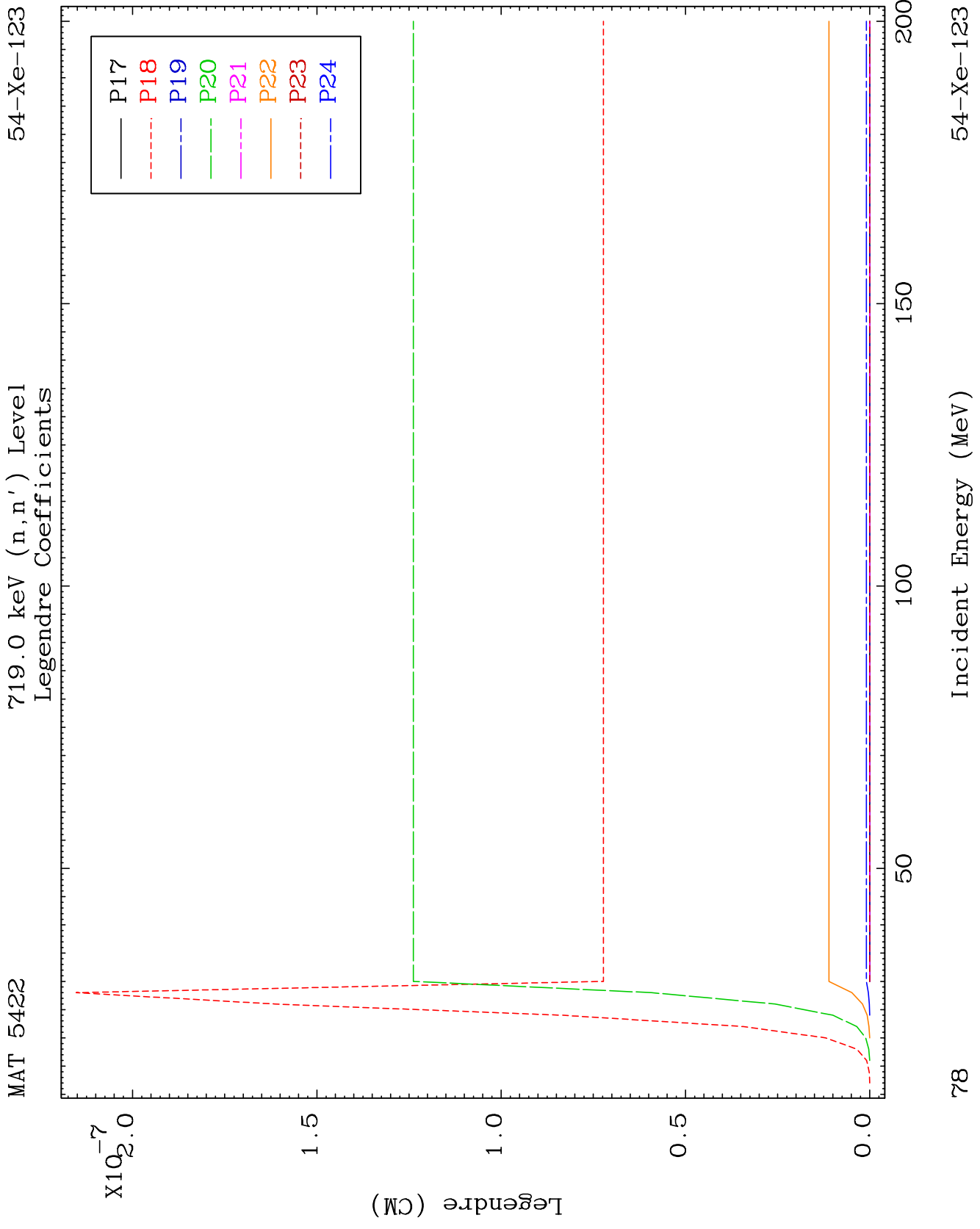








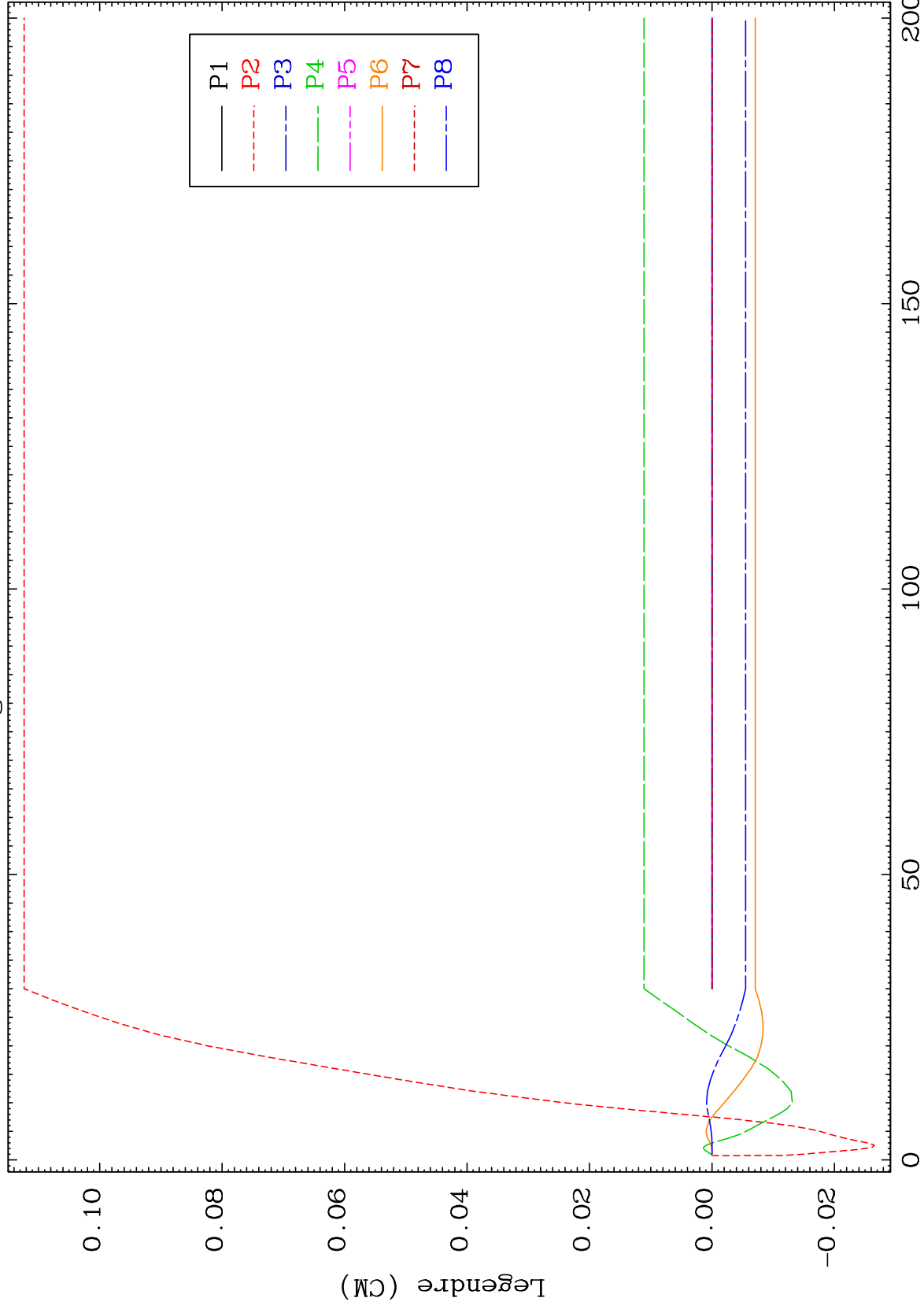




MAT 5422

731.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

Incident Energy (MeV)

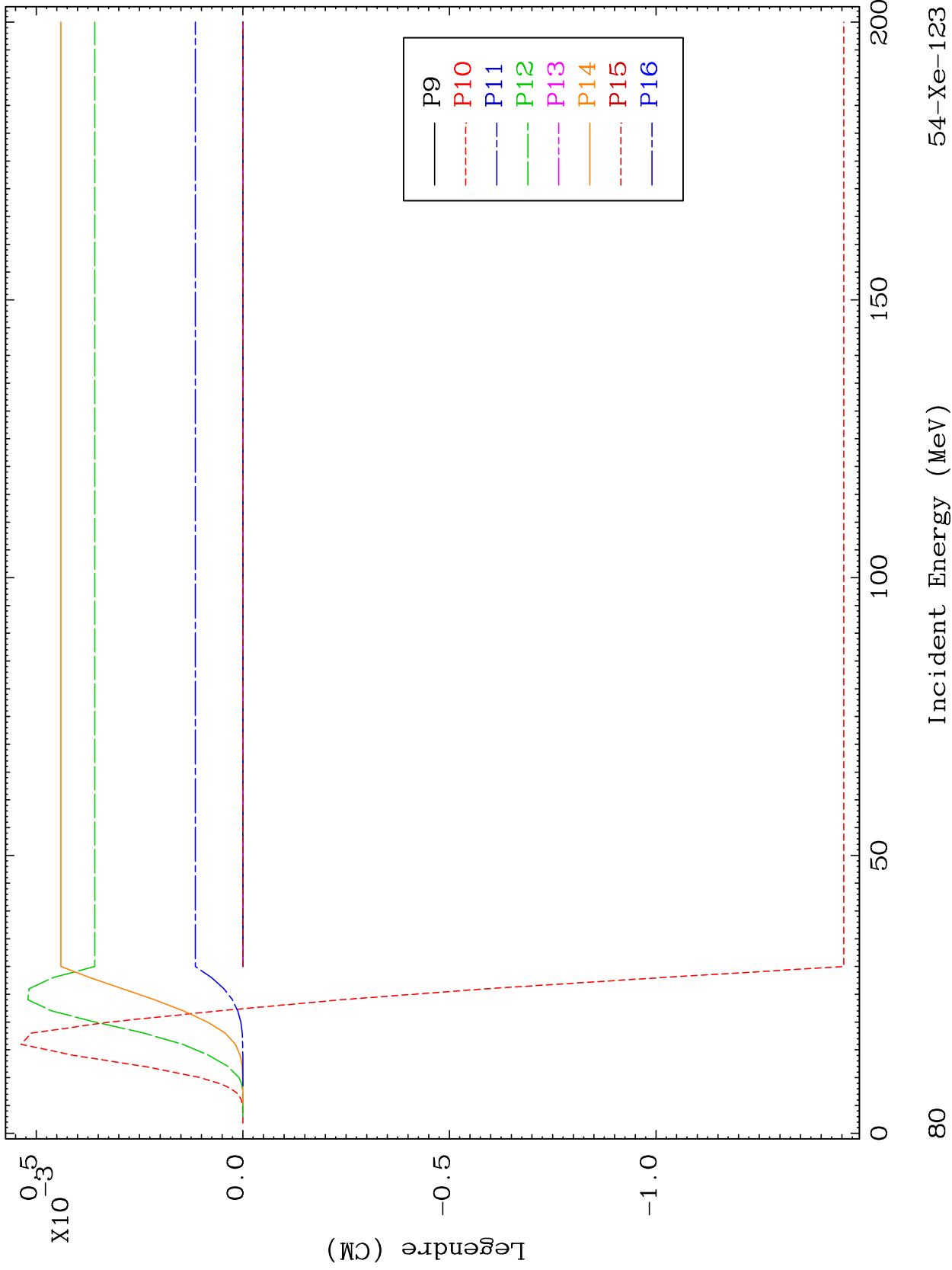
79



MAT 5422

731.4 keV (n,n') Level  
Legendre Coefficients

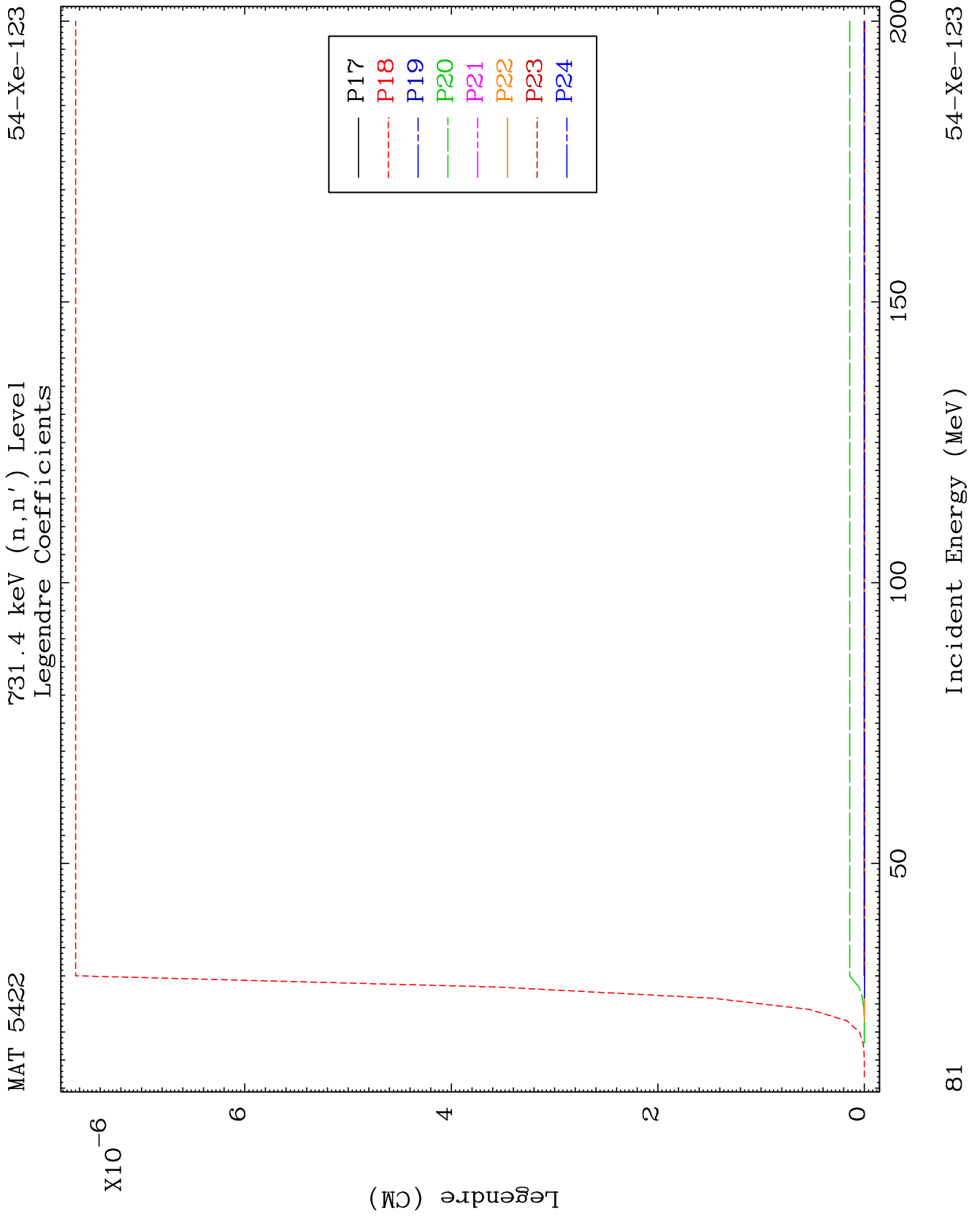
54-Xe-123

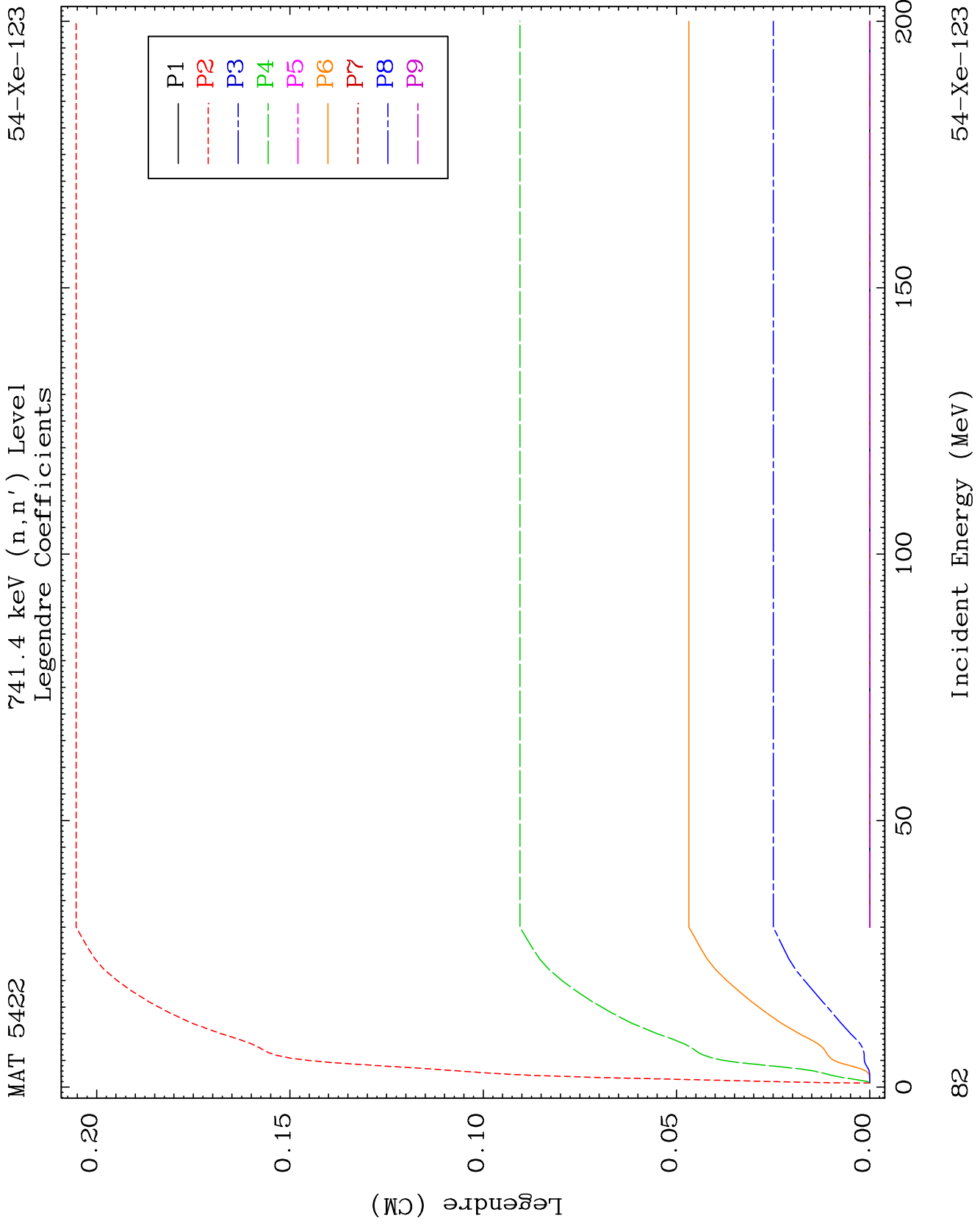


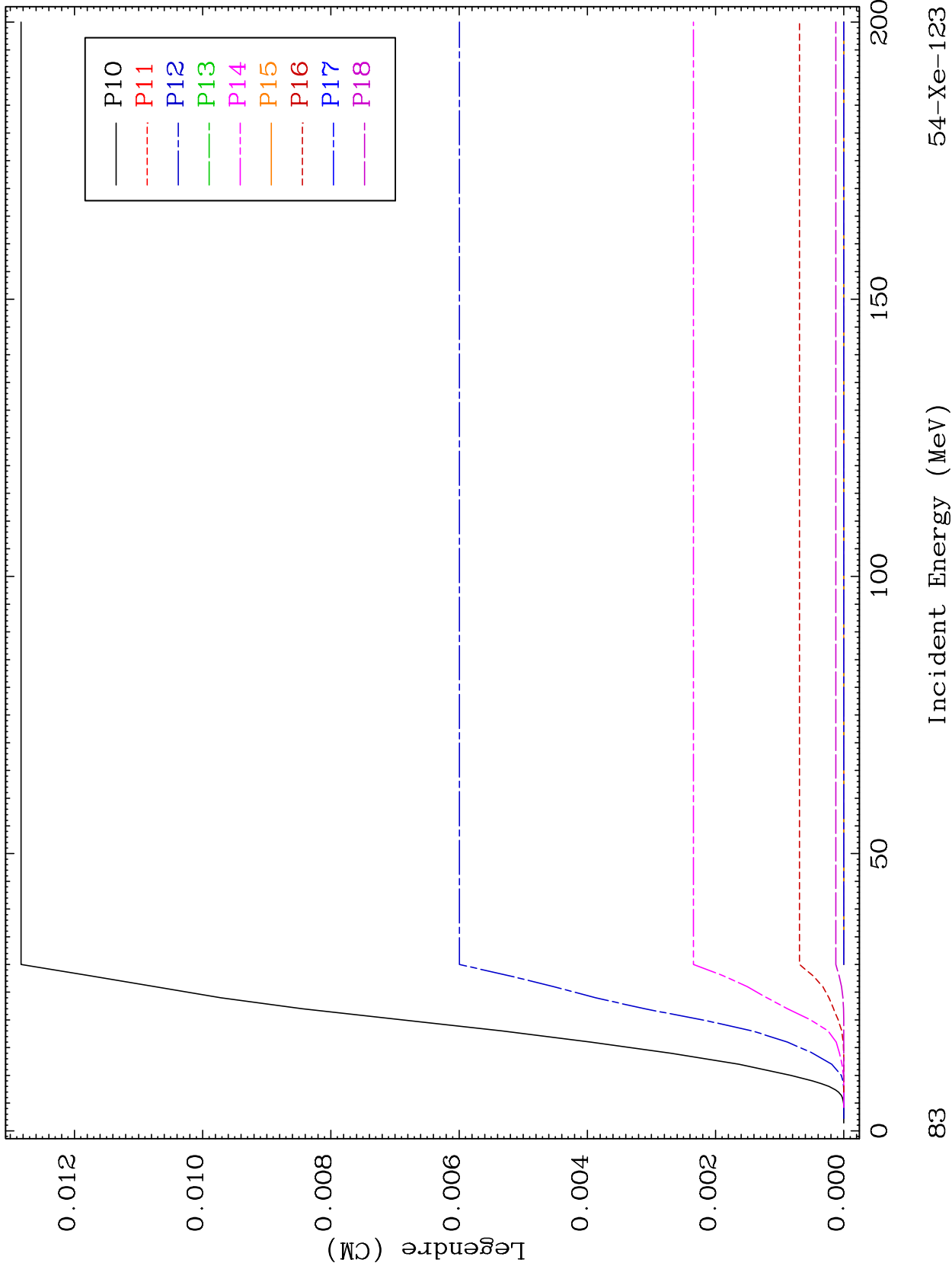
54-Xe-123

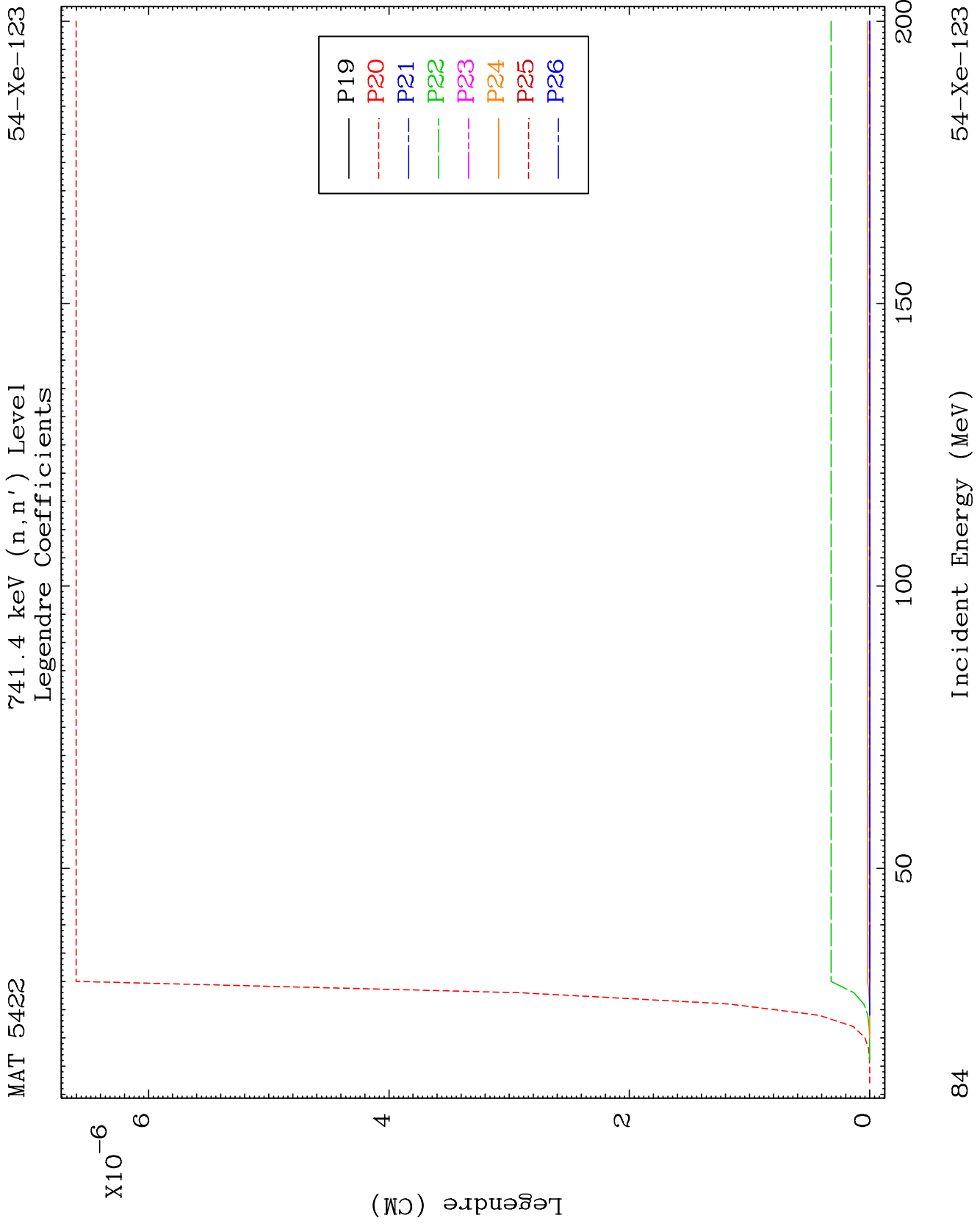
Incident Energy (MeV)

80





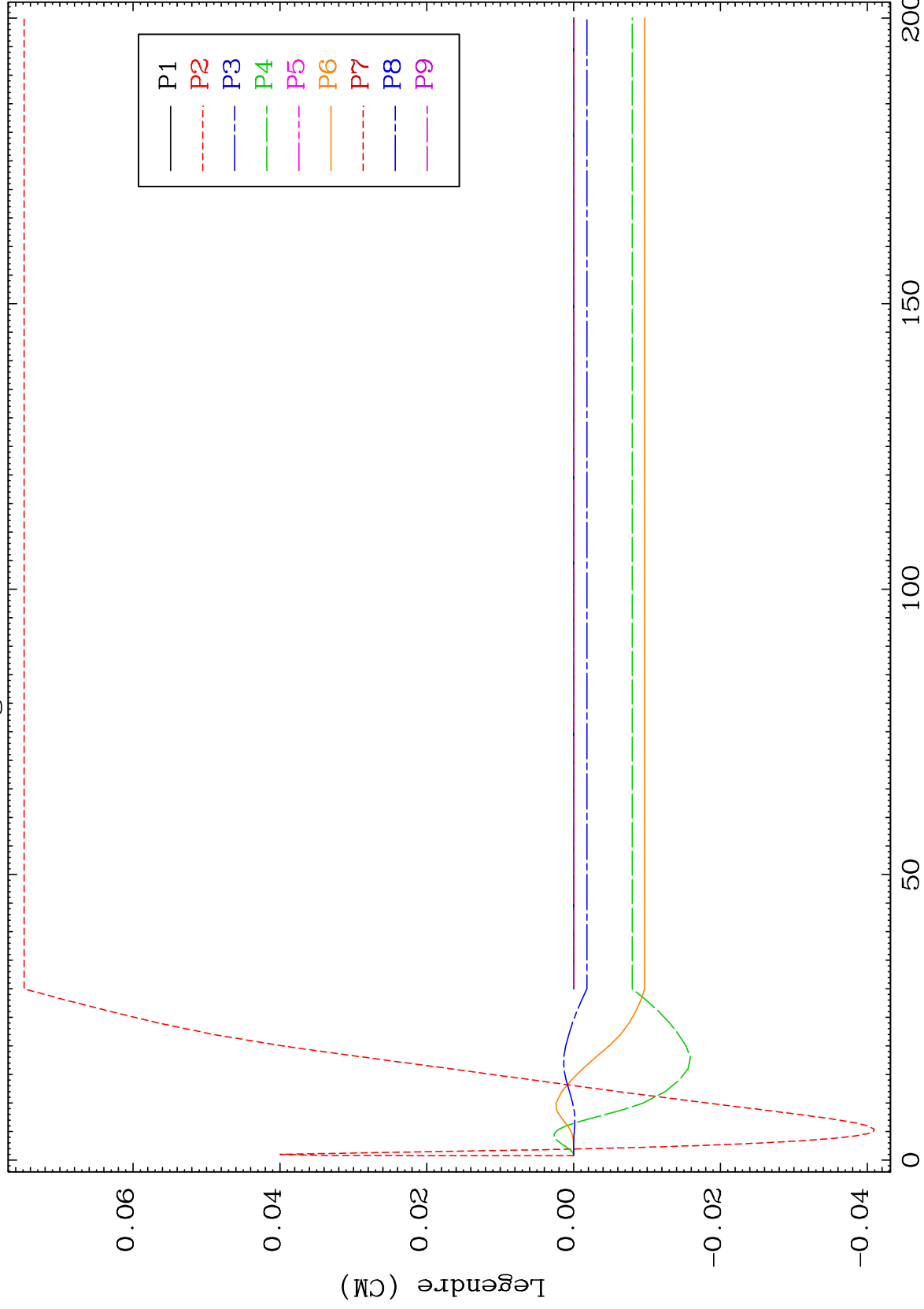




MAT 5422

750.5 keV (n,n') Level  
Legendre Coefficients

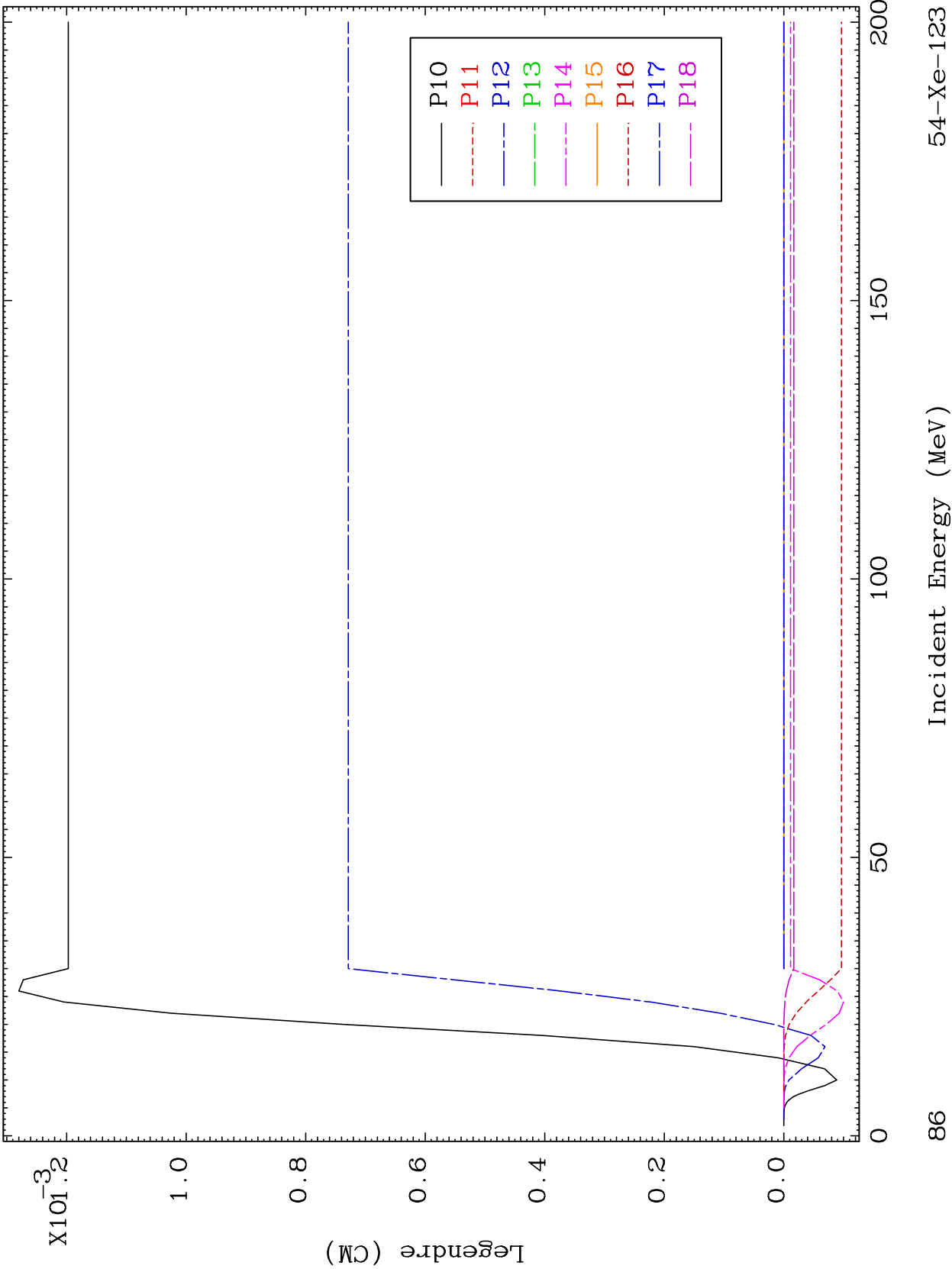
54-Xe-123

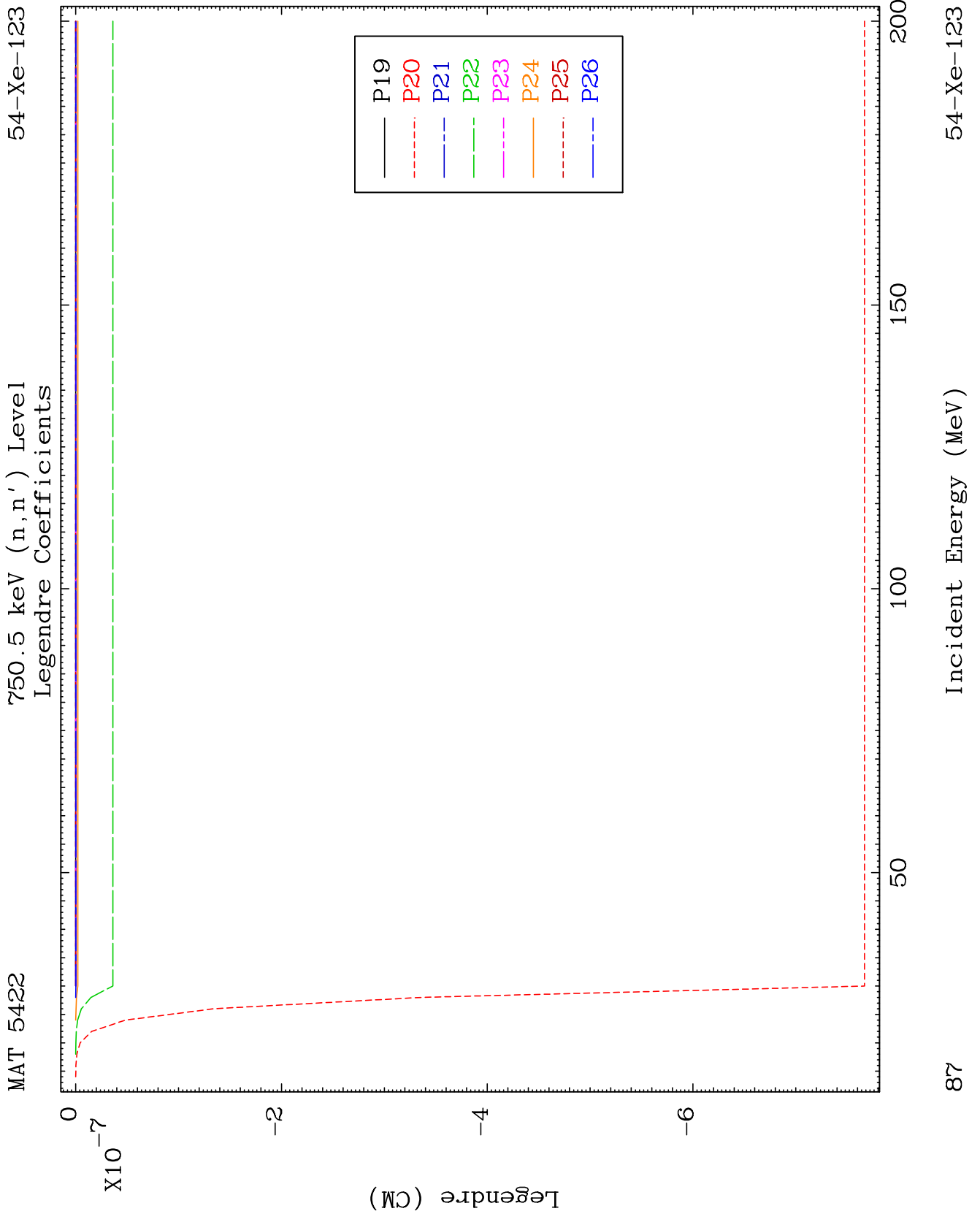


54-Xe-123

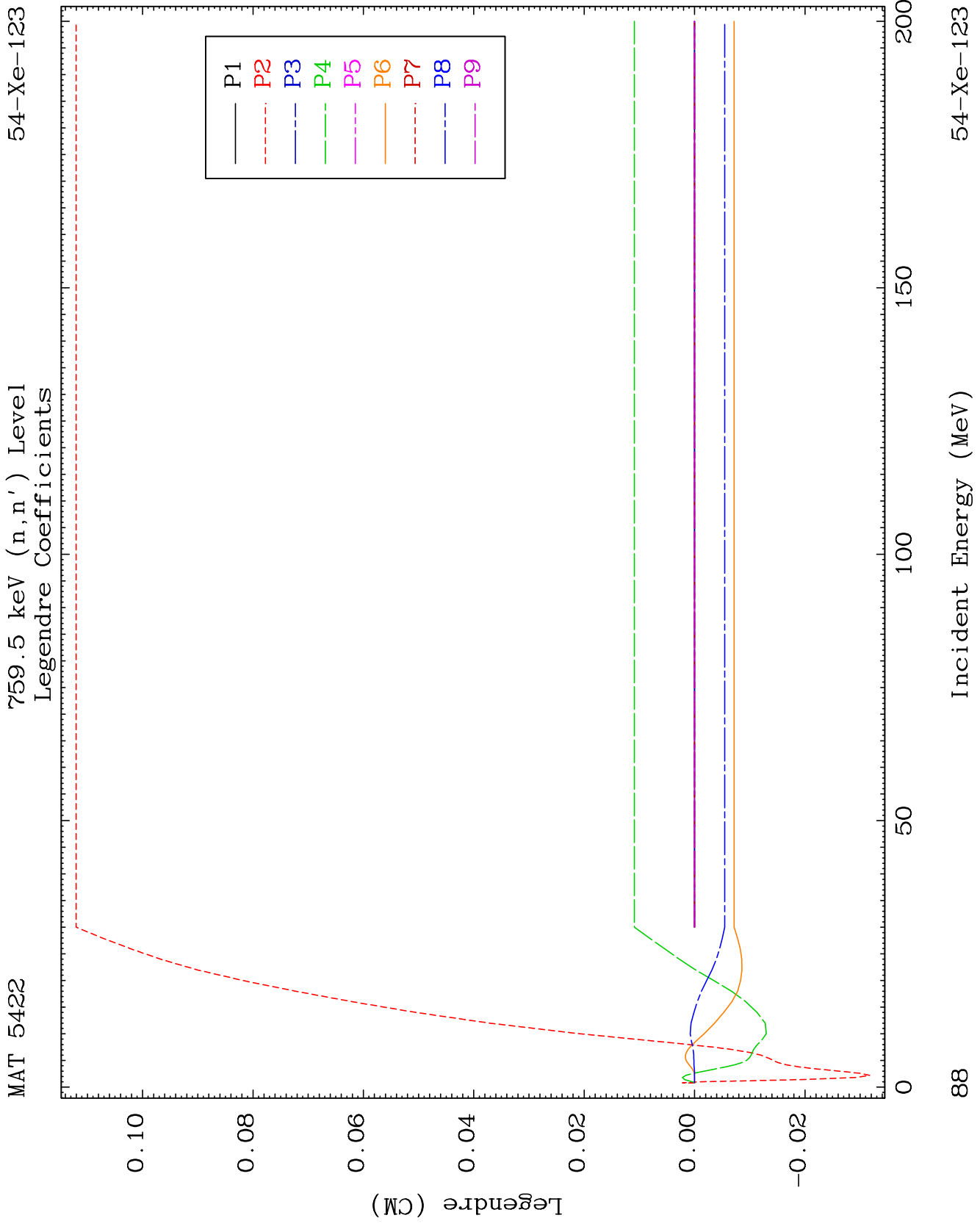
Incident Energy (MeV)

85





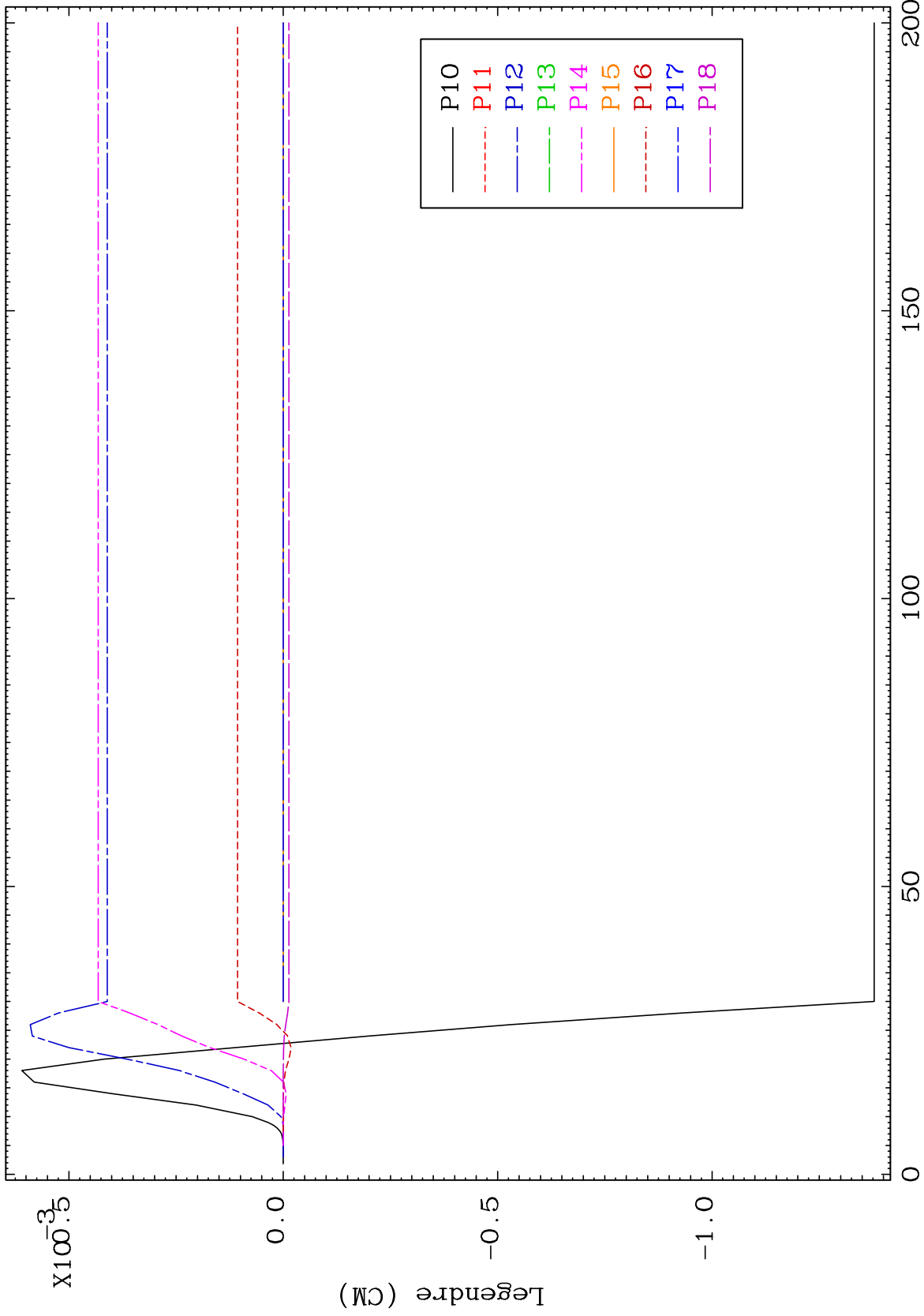




MAT 5422

759.5 keV (n,n') Level  
Legendre Coefficients

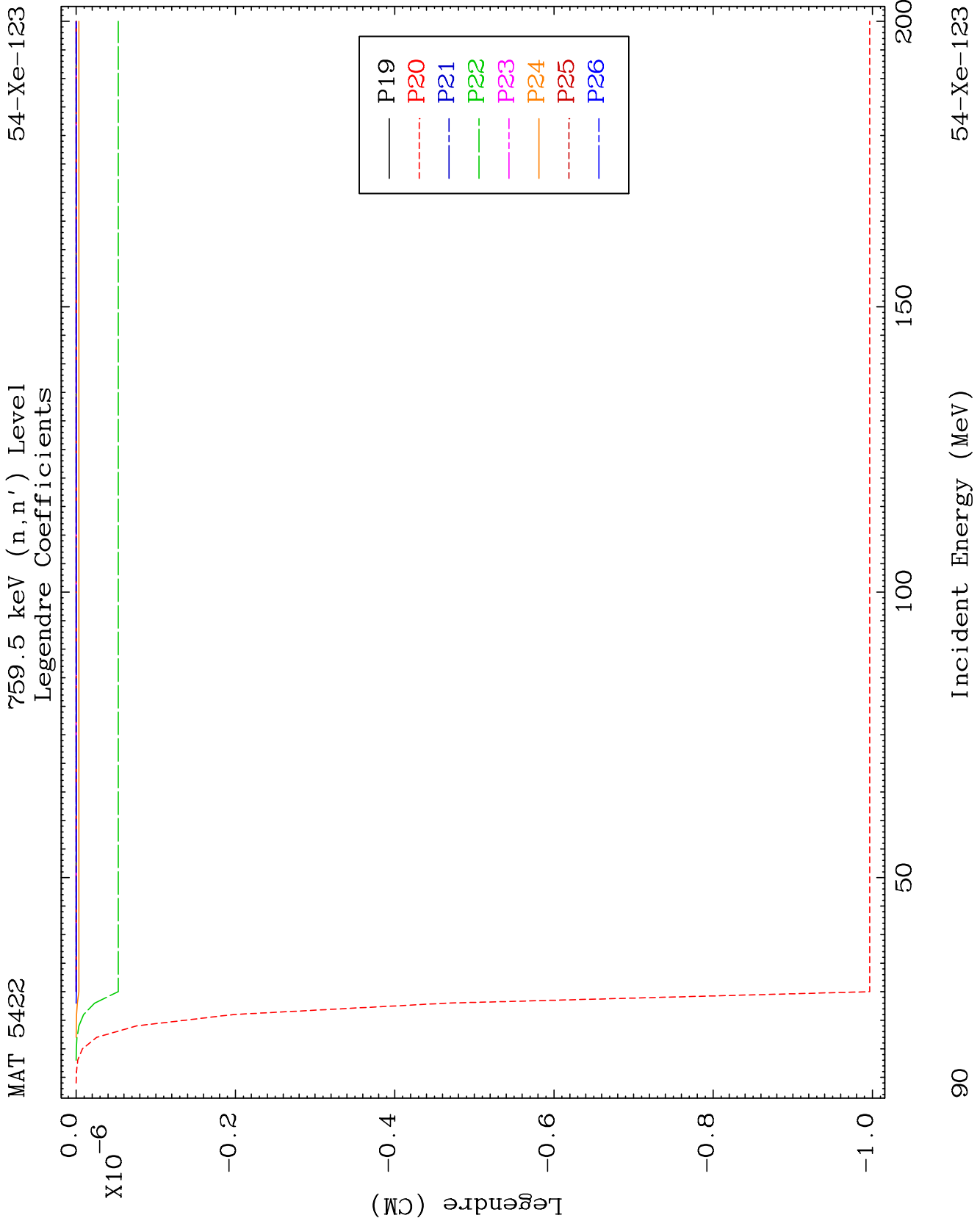
54-Xe-123



89

Incident Energy (MeV)

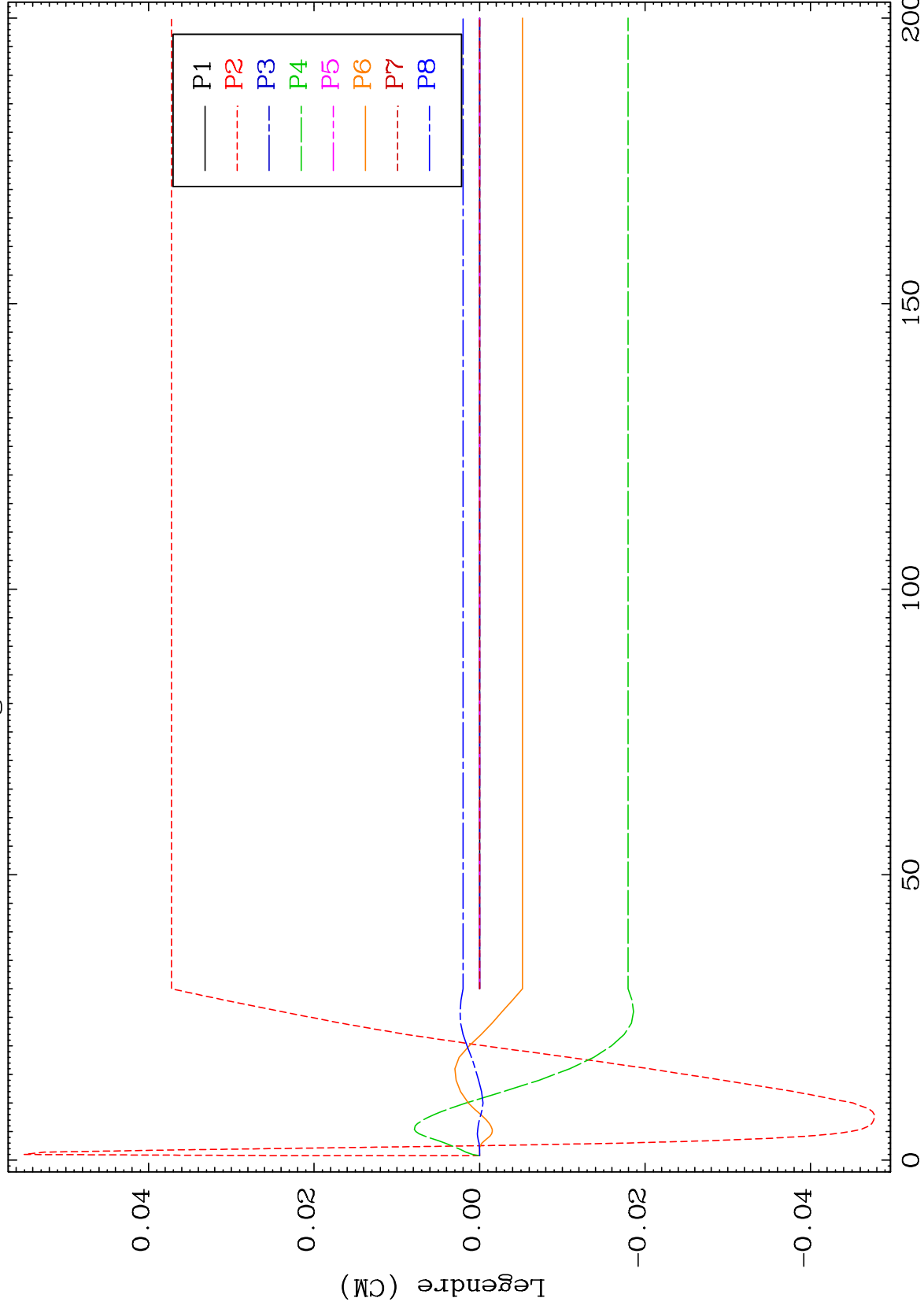
54-Xe-123



MAT 5422

767.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



91

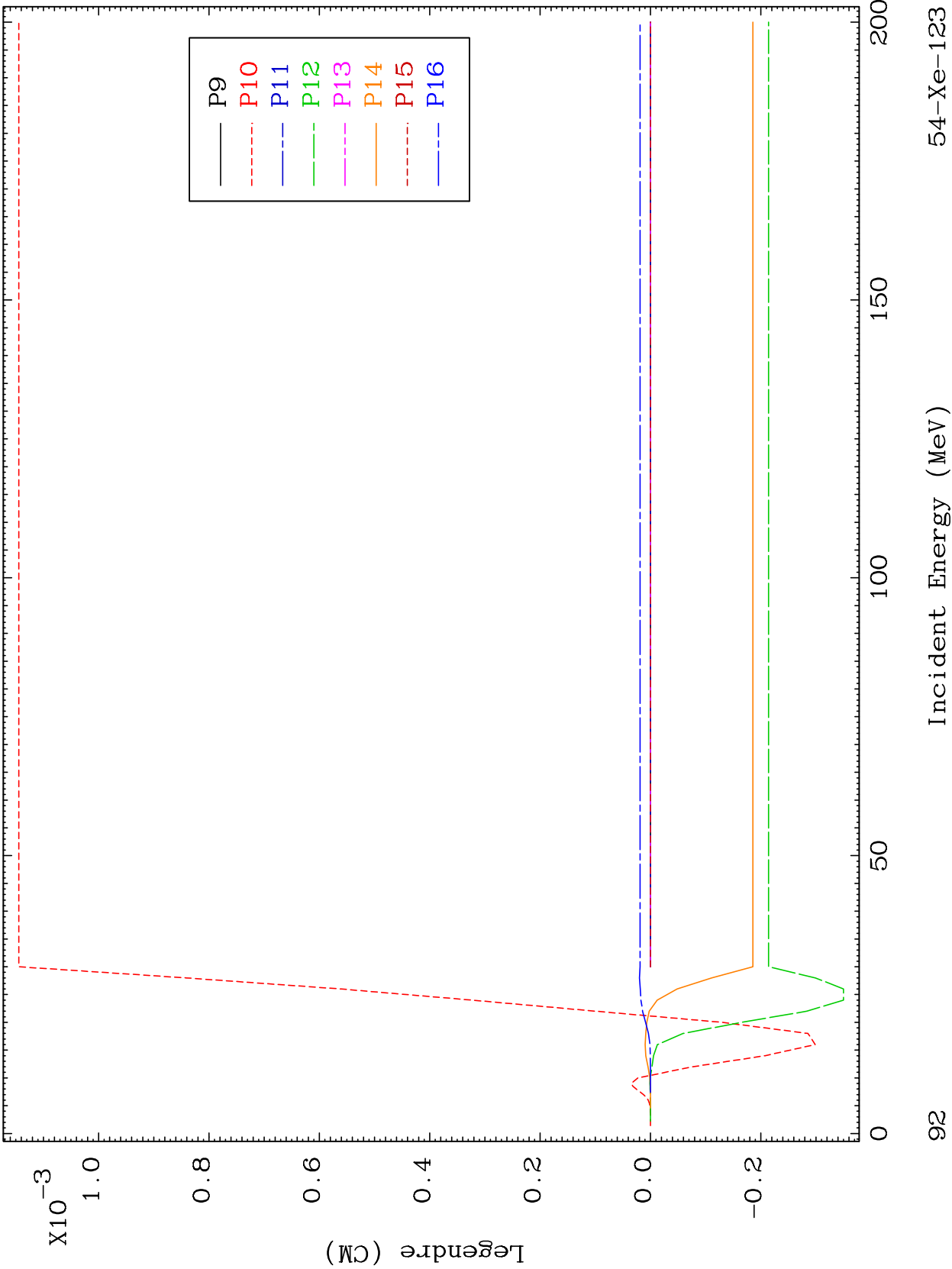
Incident Energy (MeV)

54-Xe-123

MAT 5422

767.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

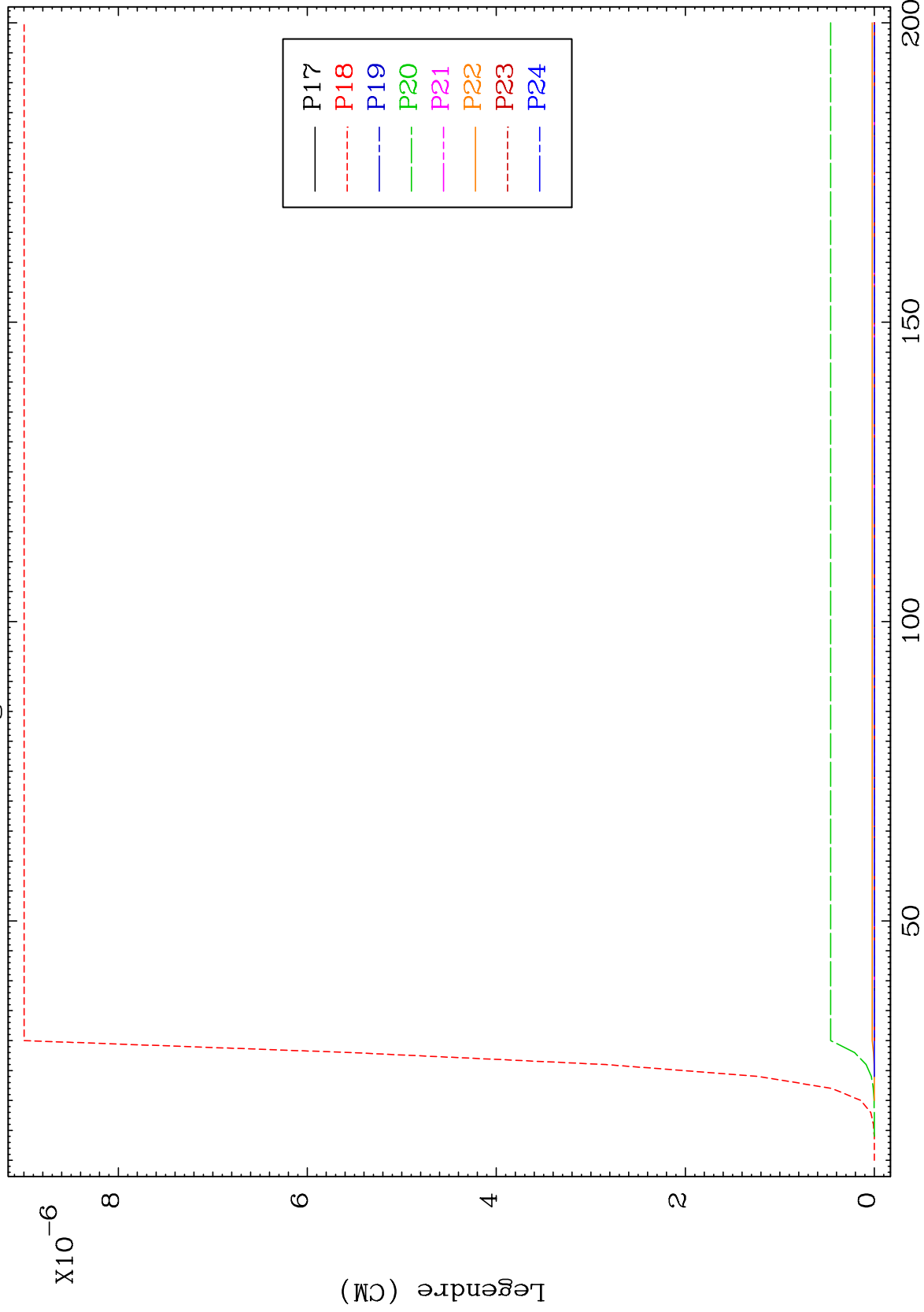
Incident Energy (MeV)

92

MAT 5422

767.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



93

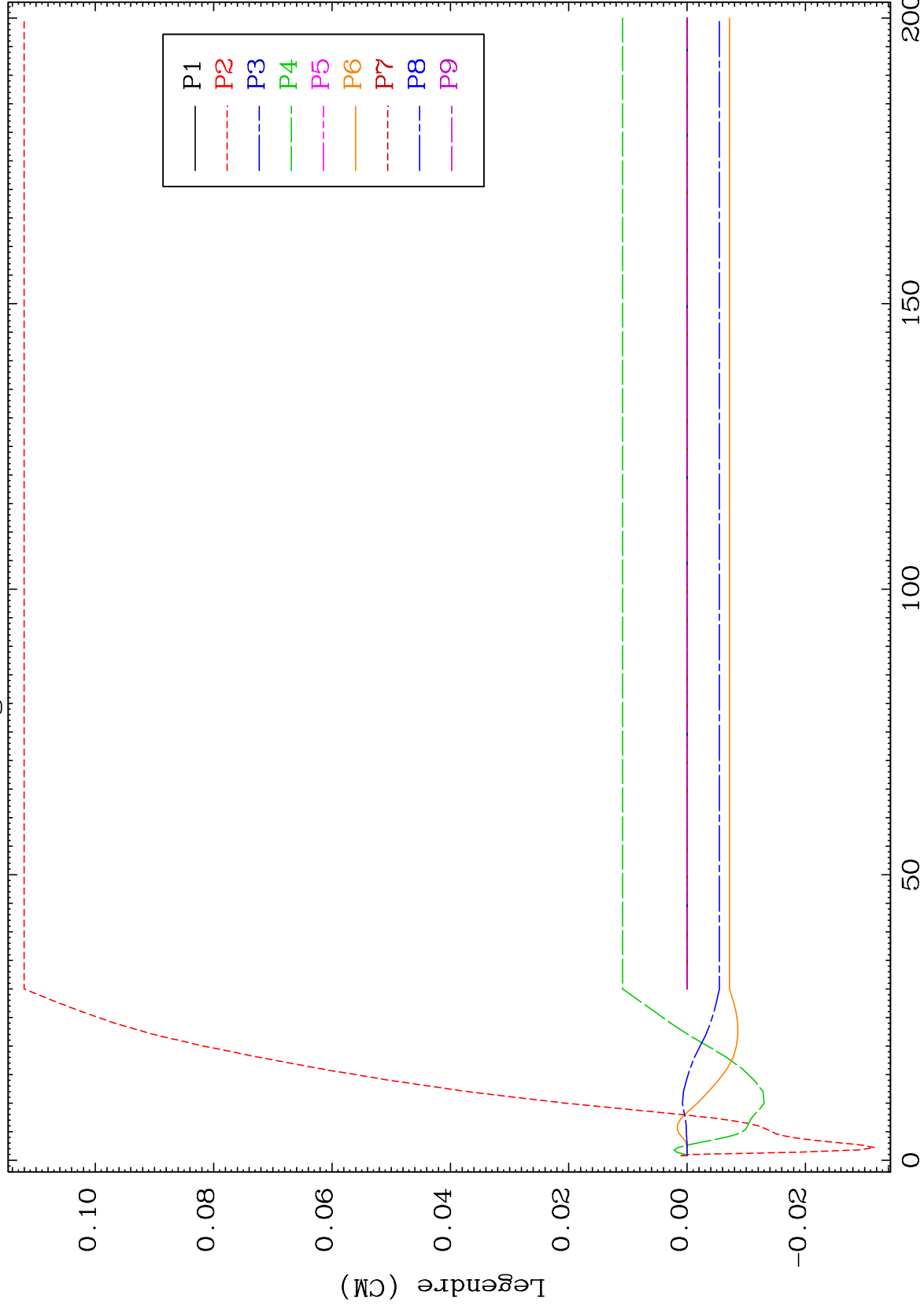
Incident Energy (MeV)

54-Xe-123

MAT 5422

776.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

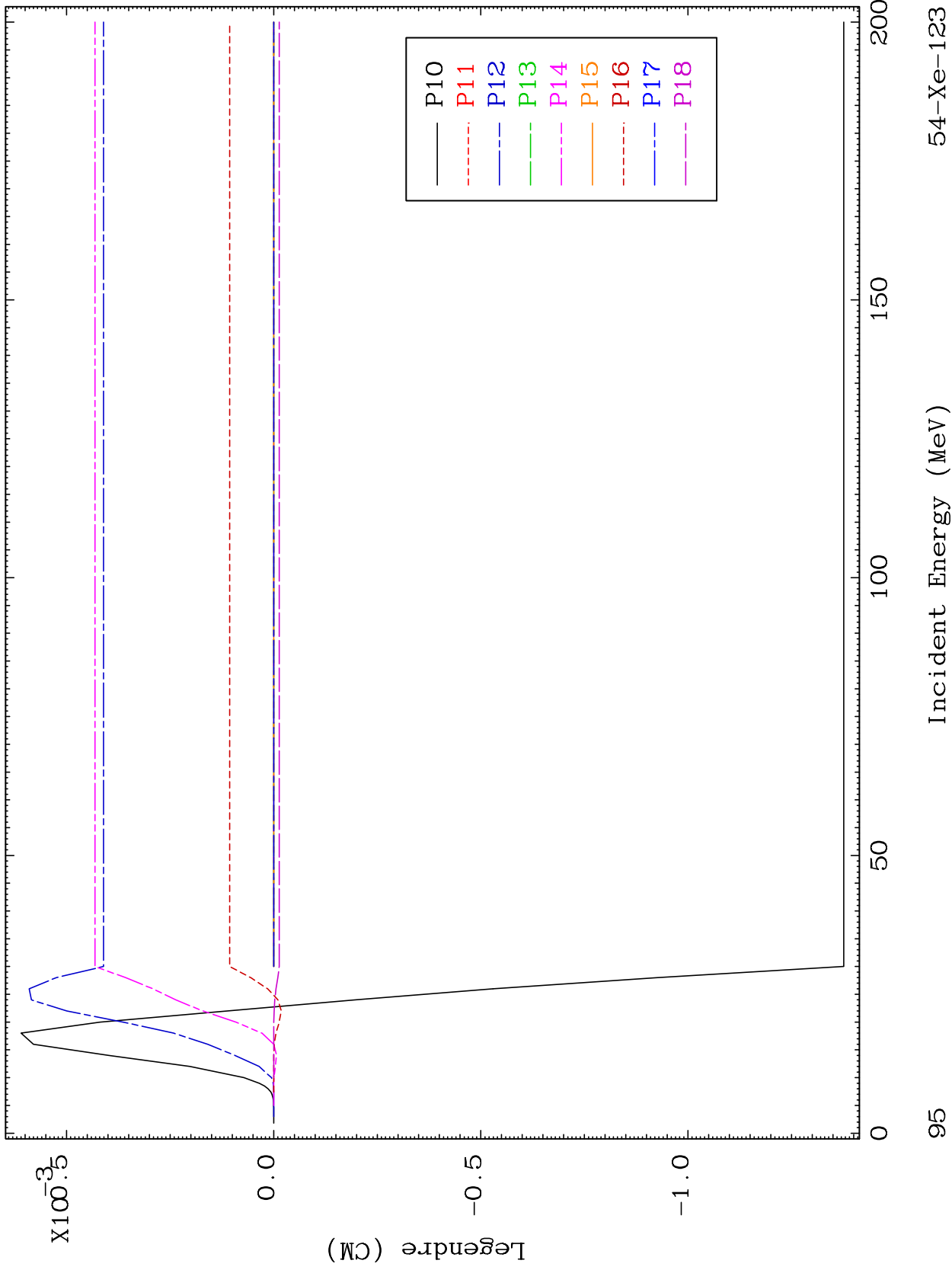
Incident Energy (MeV)

94

MAT 5422

776.6 keV (n,n') Level  
Legendre Coefficients

54-Xe-123

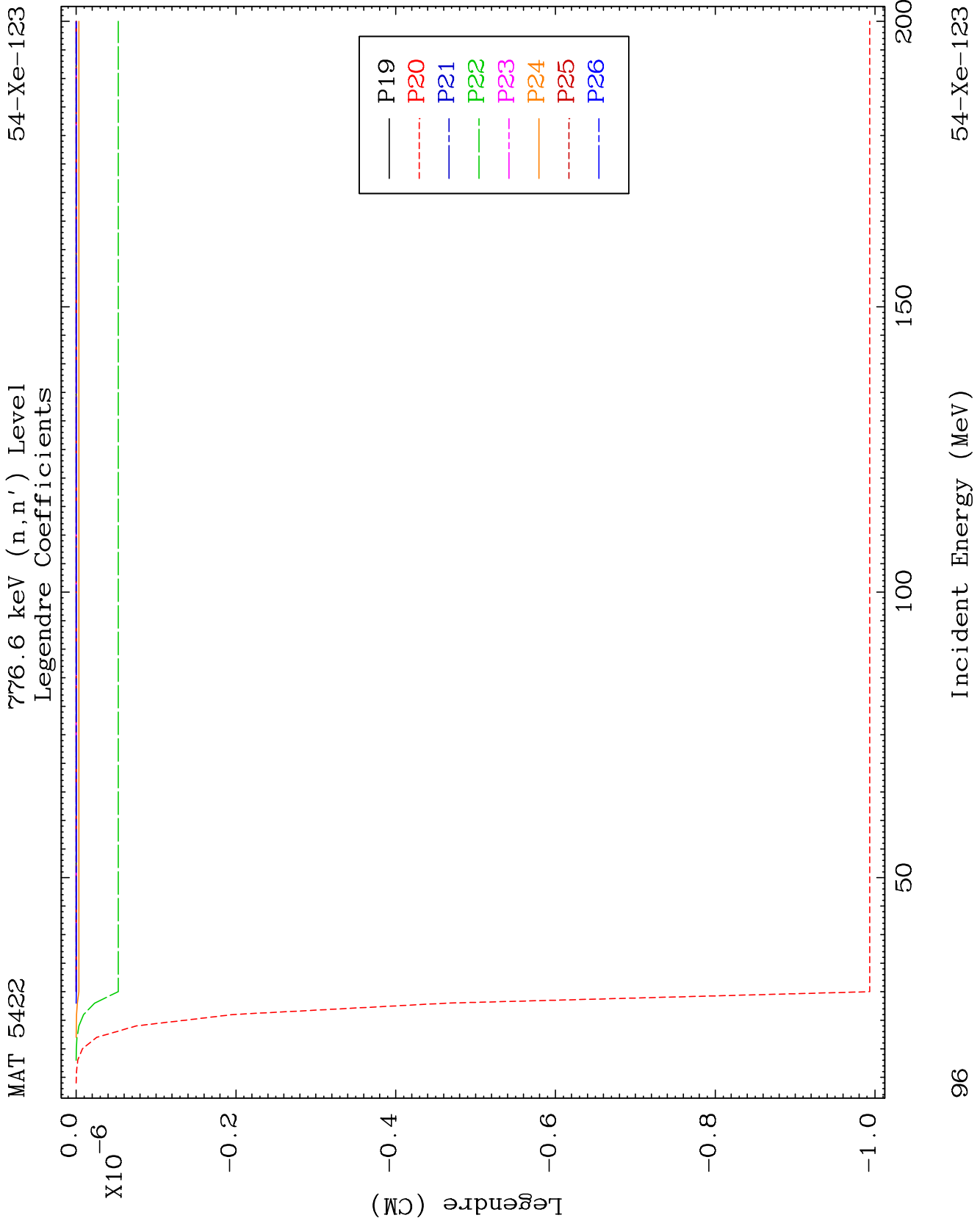


54-Xe-123

Incident Energy (MeV)

95

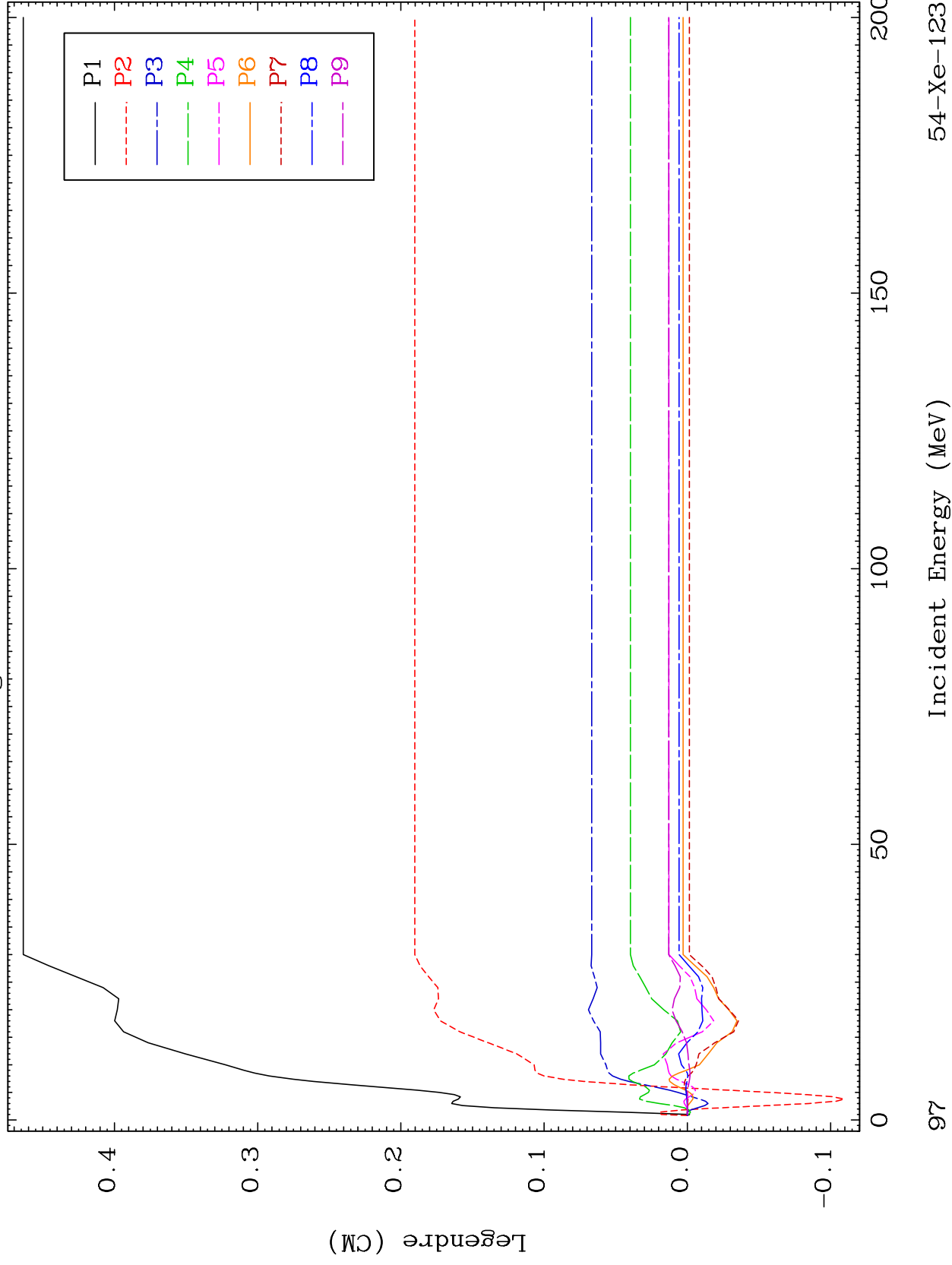




MAT 5422

797.3 keV (n,n') Level  
Legendre Coefficients

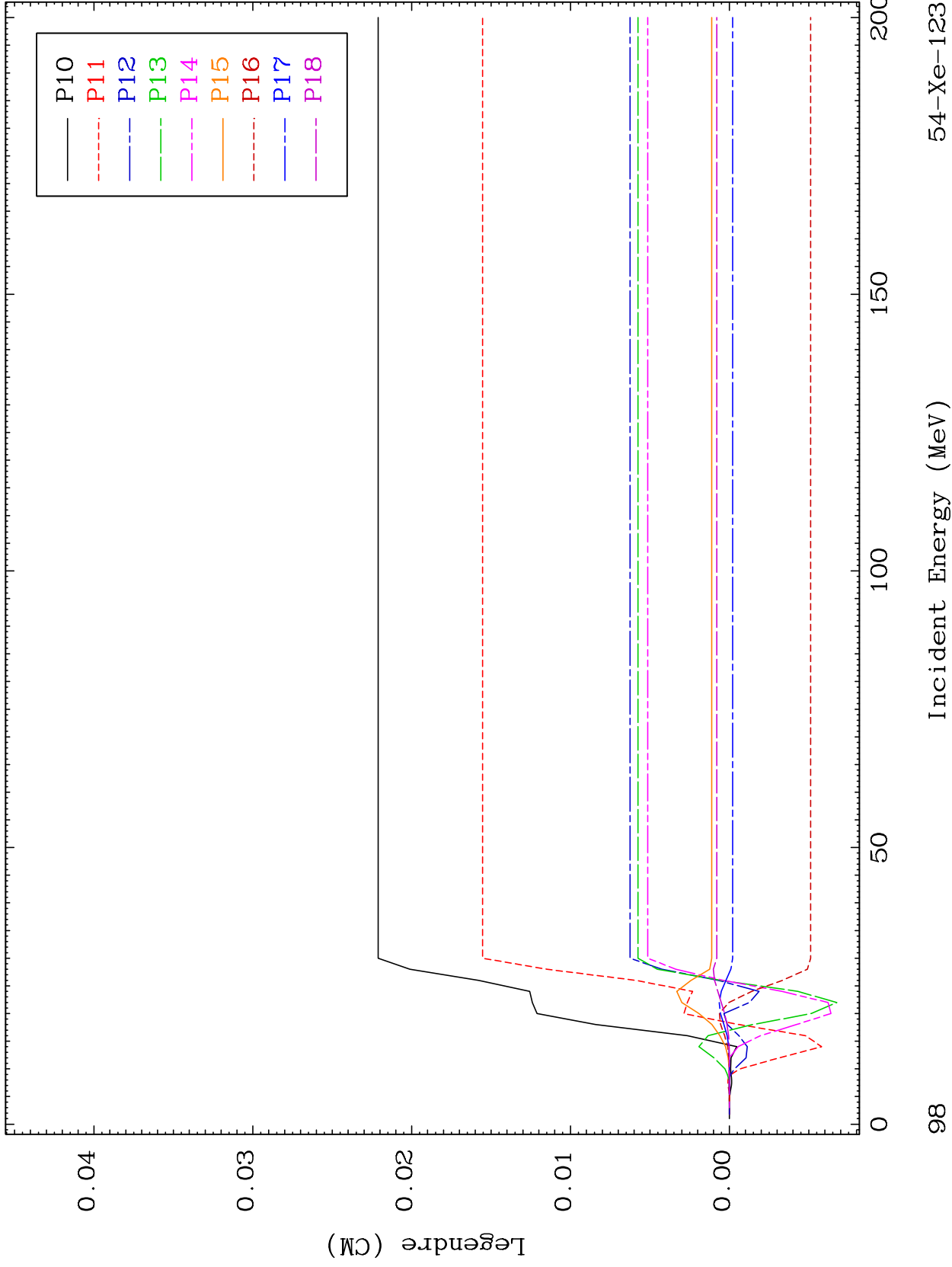
54-Xe-123



MAT 5422

797.3 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

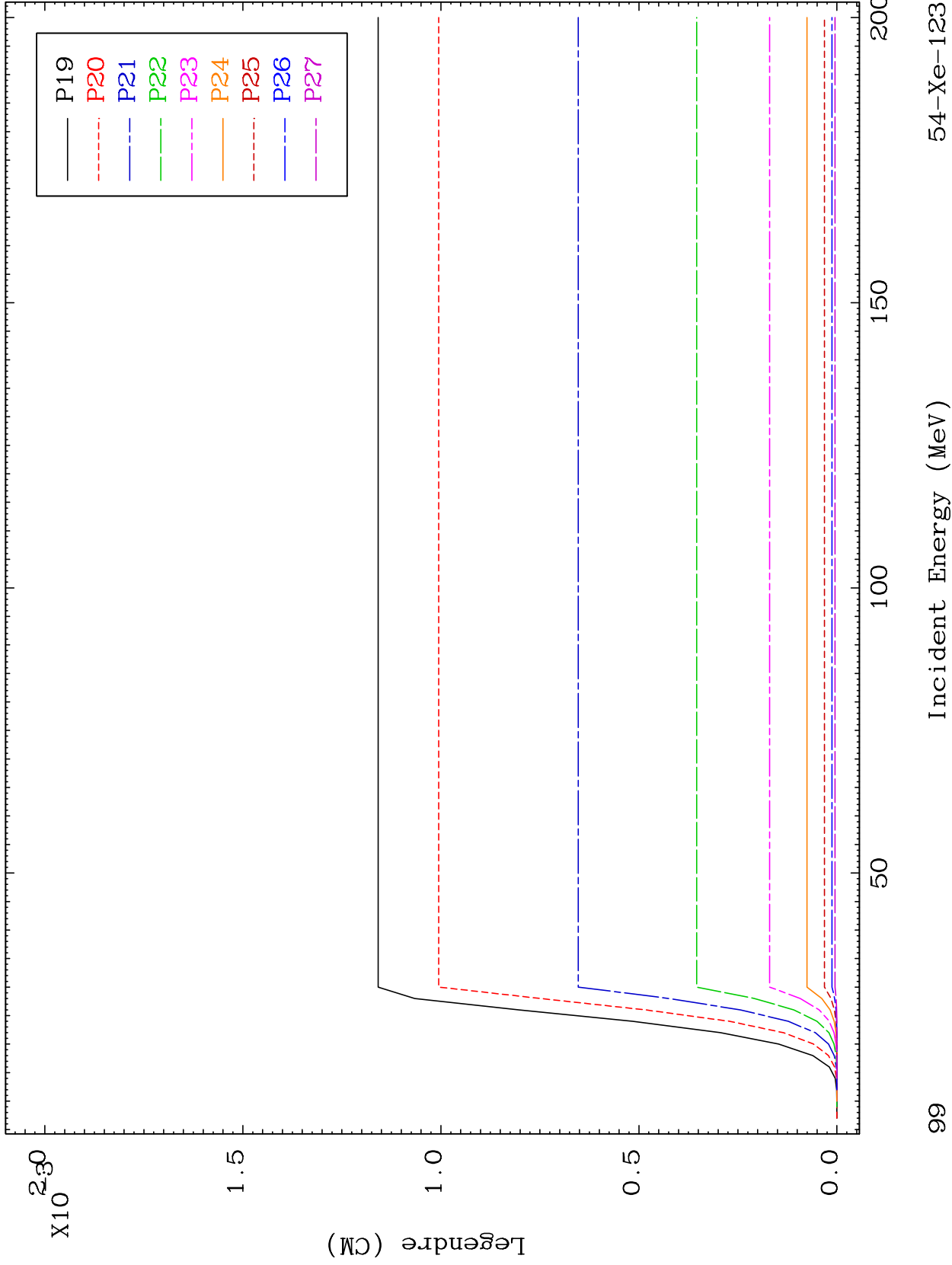
Incident Energy (MeV)

98

MAT 5422

797.3 keV (n,n') Level  
Legendre Coefficients

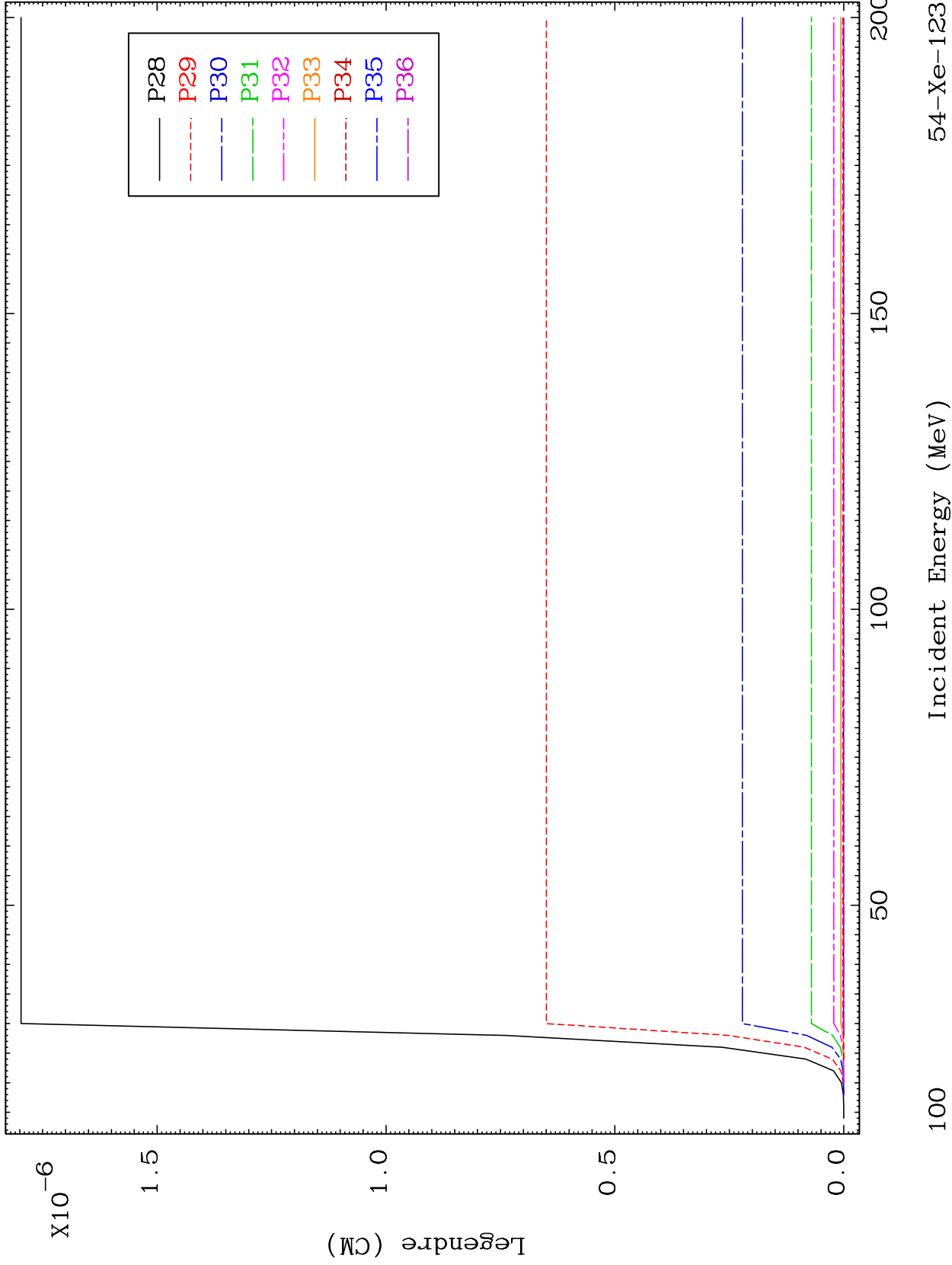
54-Xe-123



MAT 5422

797.3 keV (n,n') Level  
Legendre Coefficients

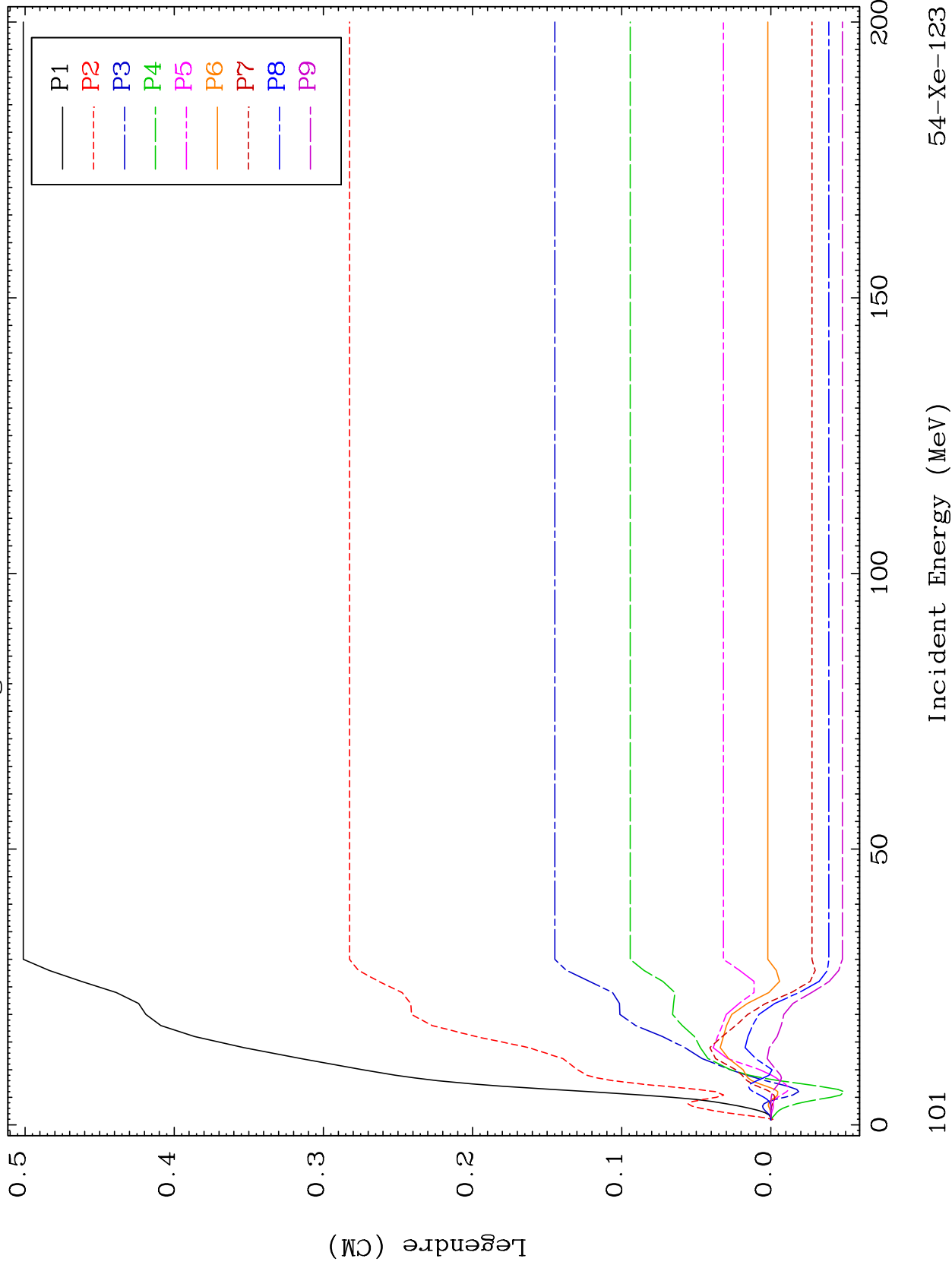
54-Xe-123



MAT 5422

848.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

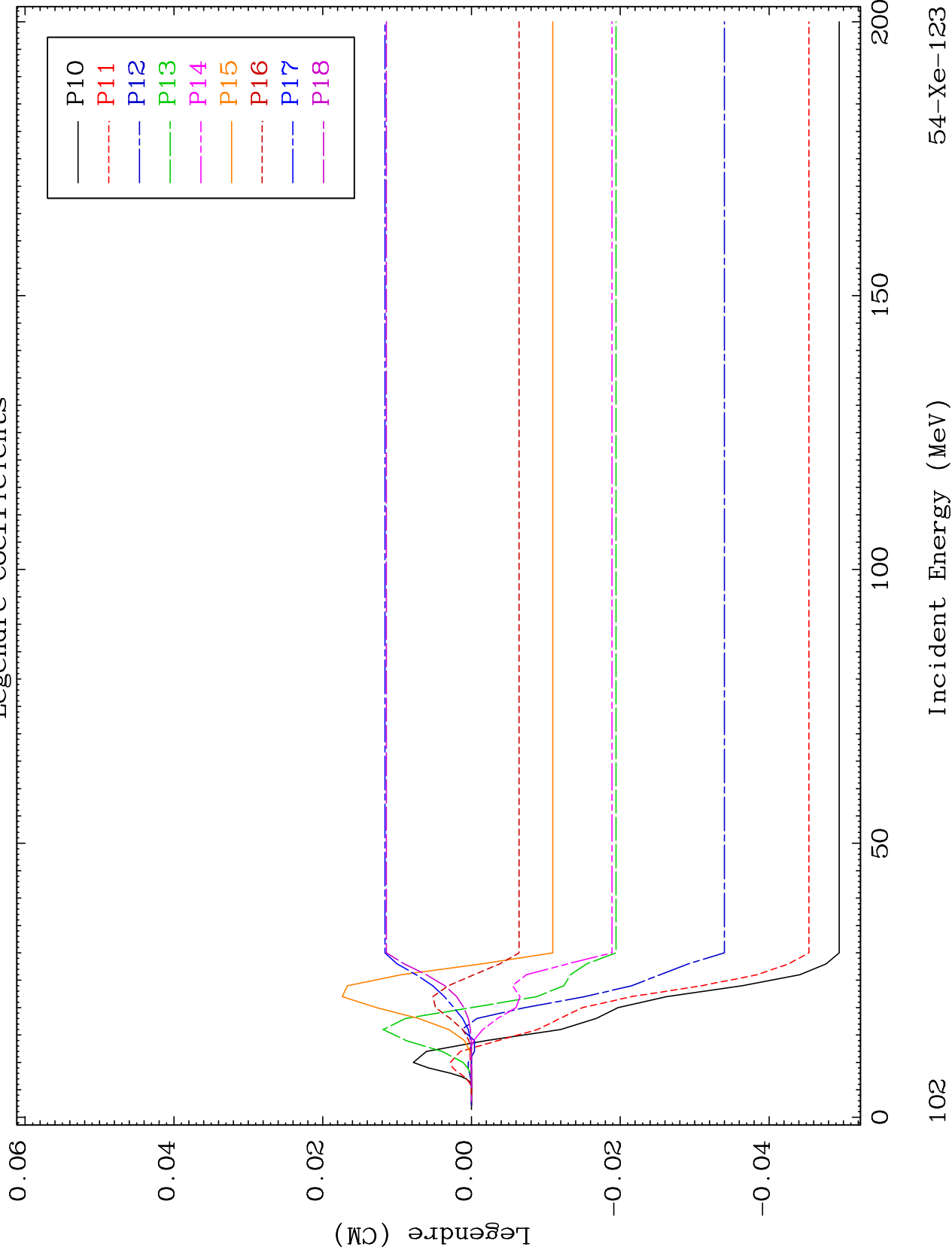
Incident Energy (MeV)

101

MAT 5422

848.4 keV (n,n') Level  
Legendre Coefficients

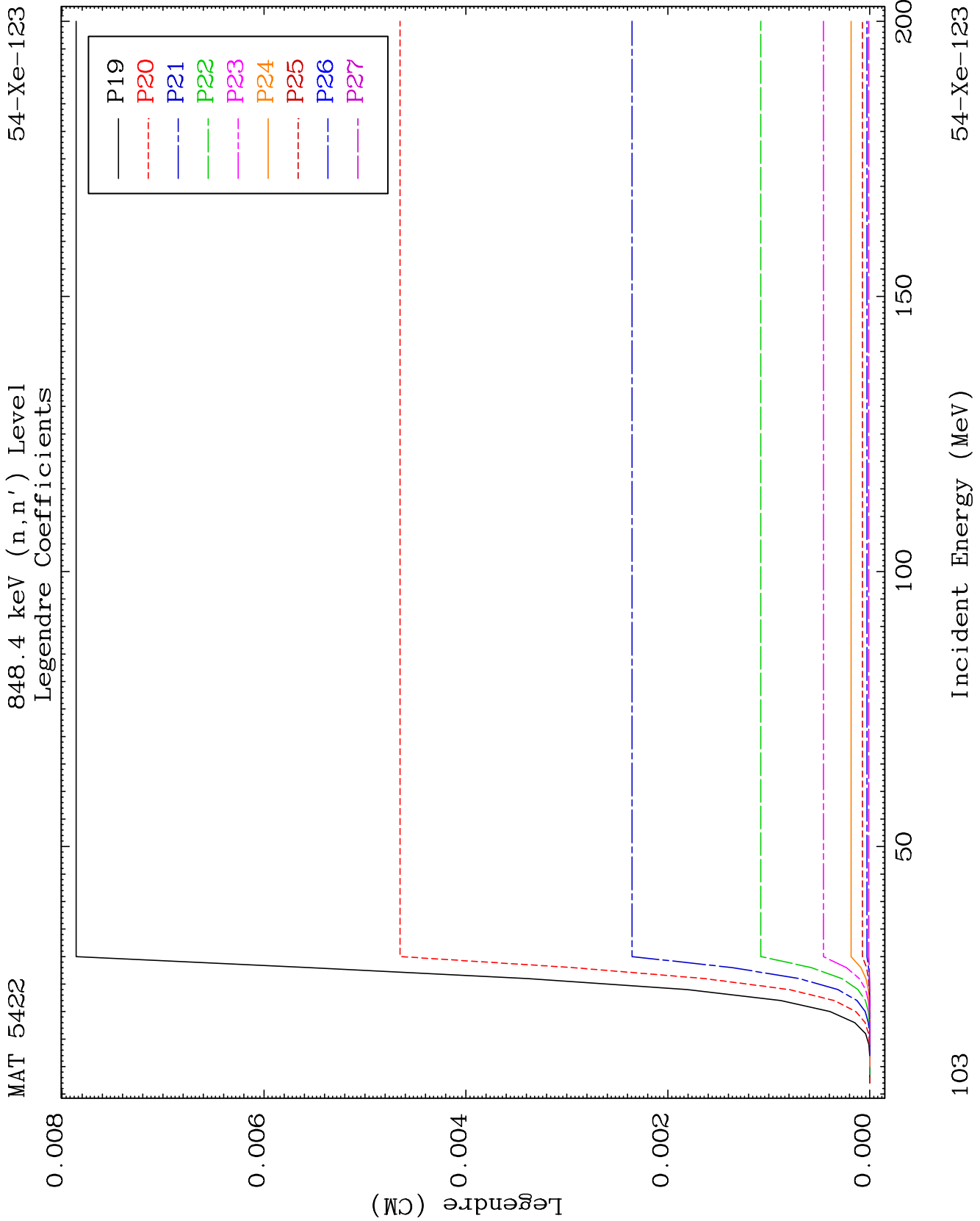
54-Xe-123



54-Xe-123

Incident Energy (MeV)

102

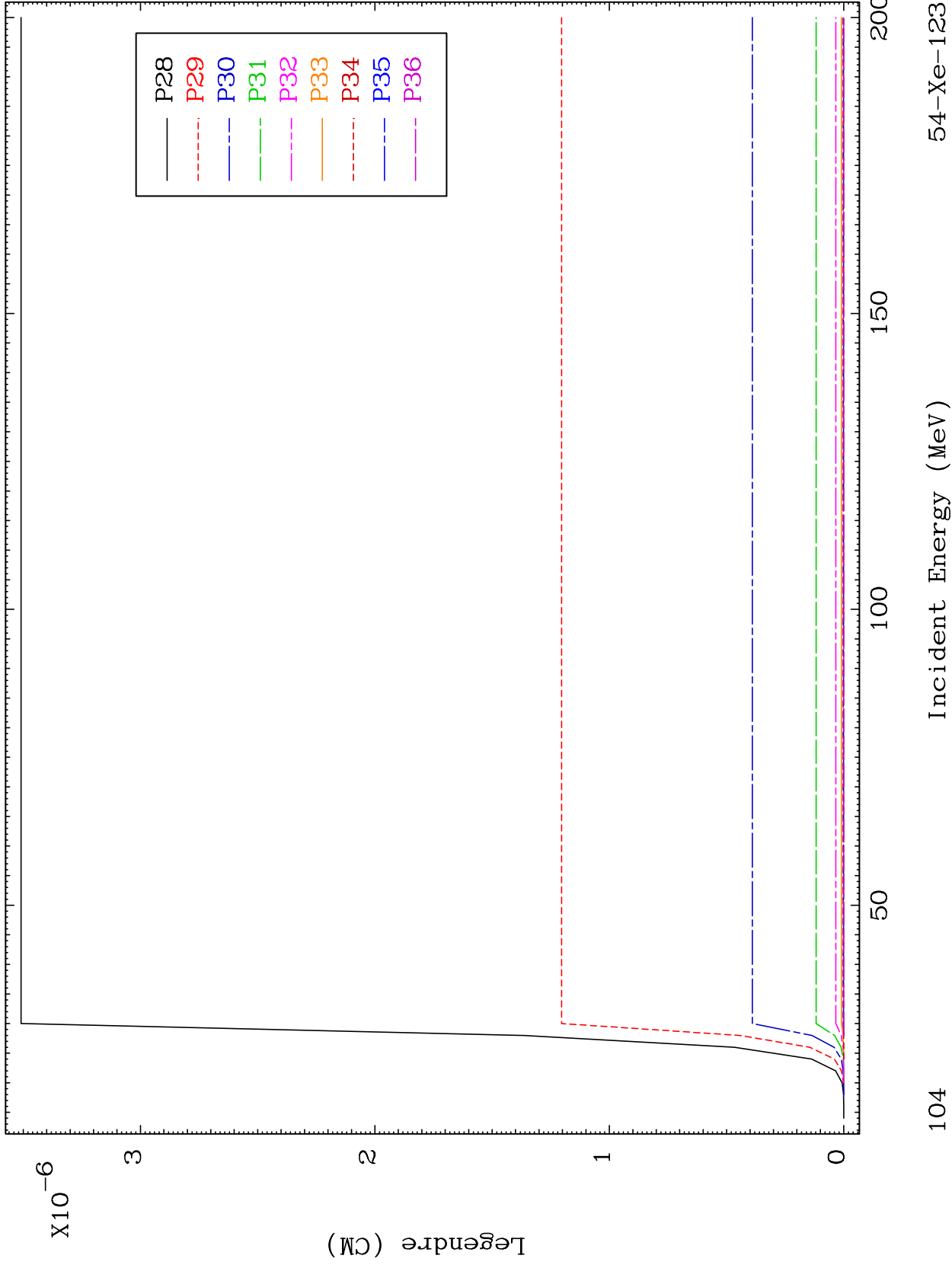




MAT 5422

848.4 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



104

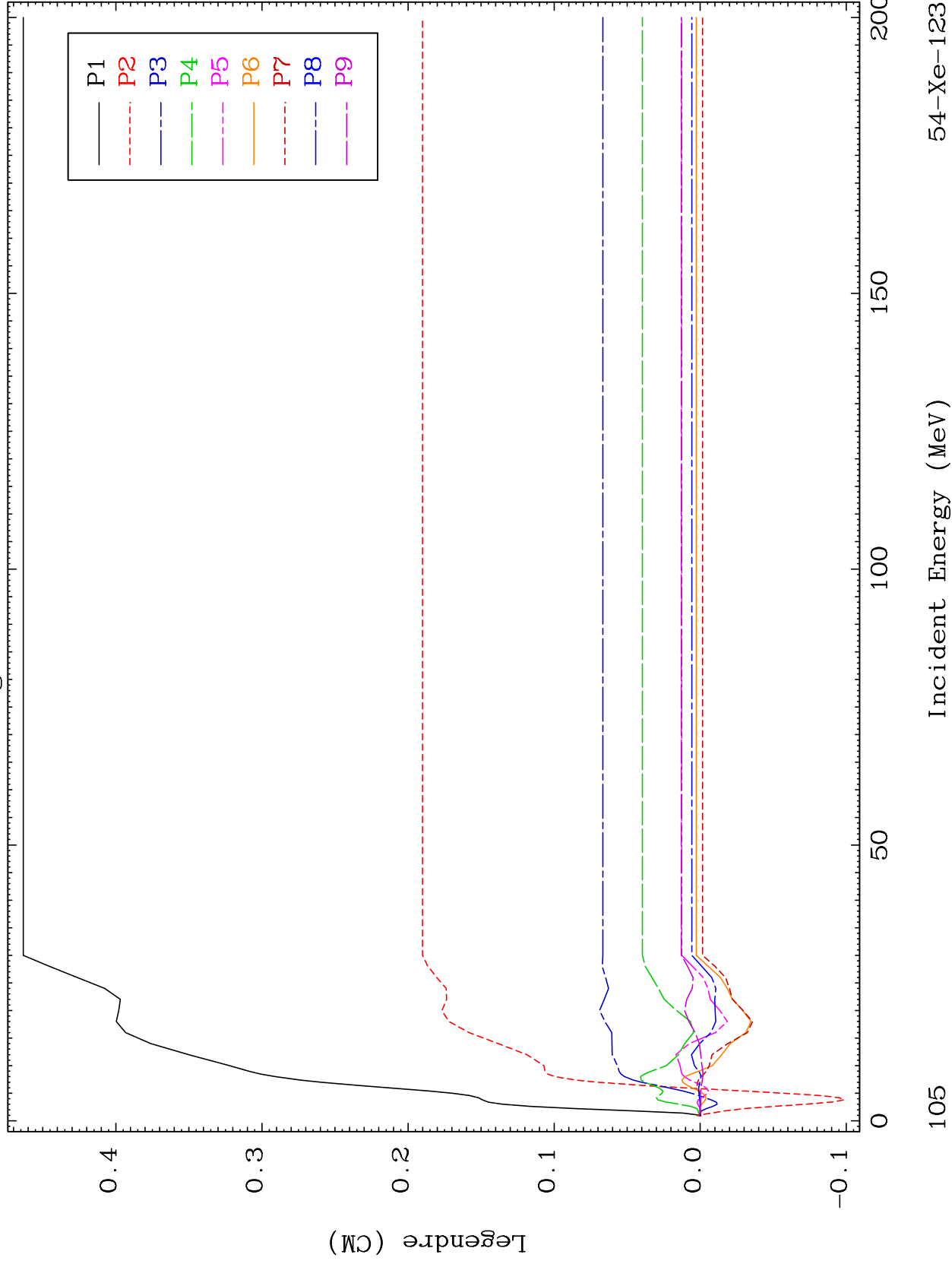
Incident Energy (MeV)

54-Xe-123

MAT 5422

863.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

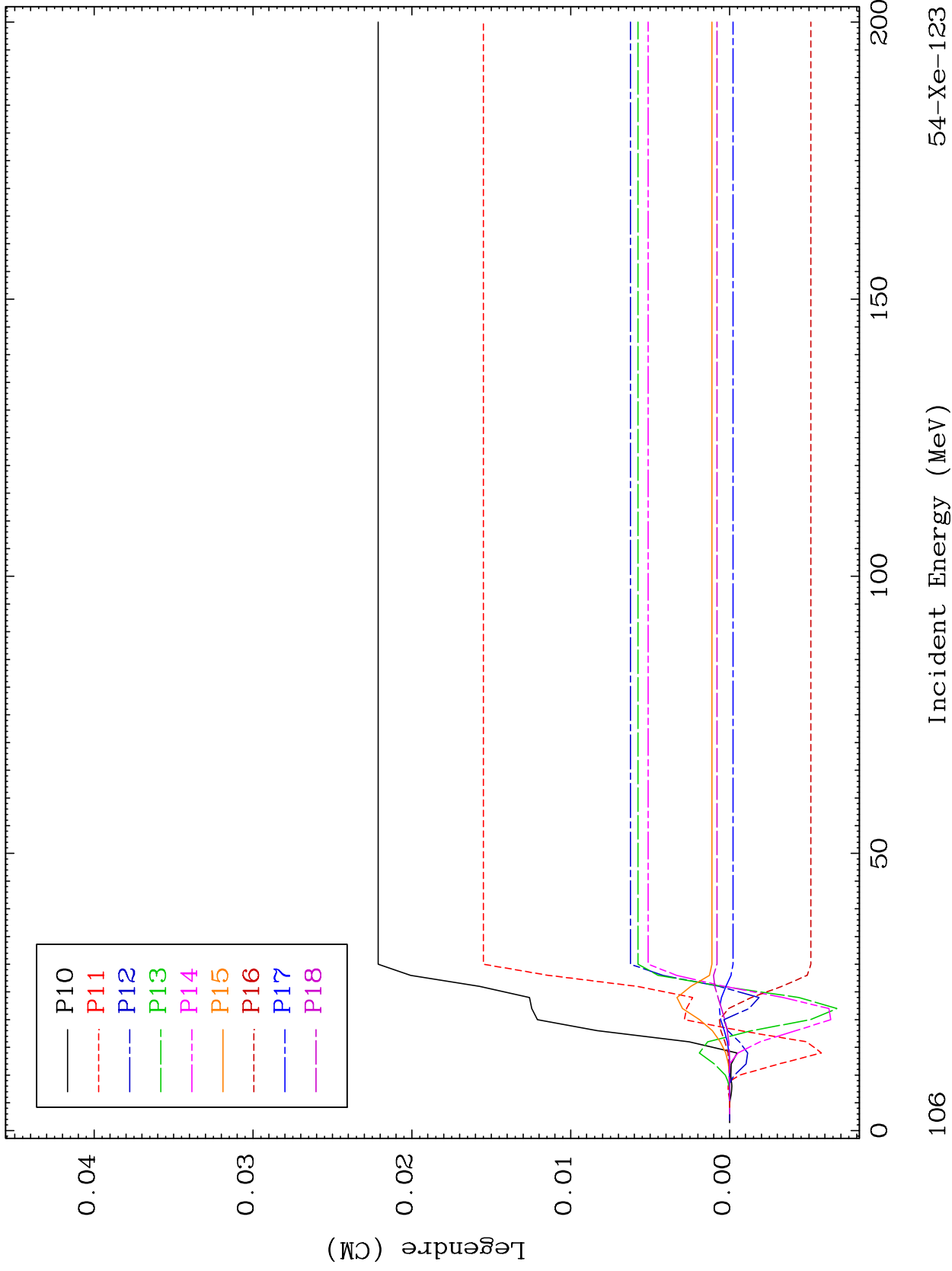
Incident Energy (MeV)

105

MAT 5422

863.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



54-Xe-123

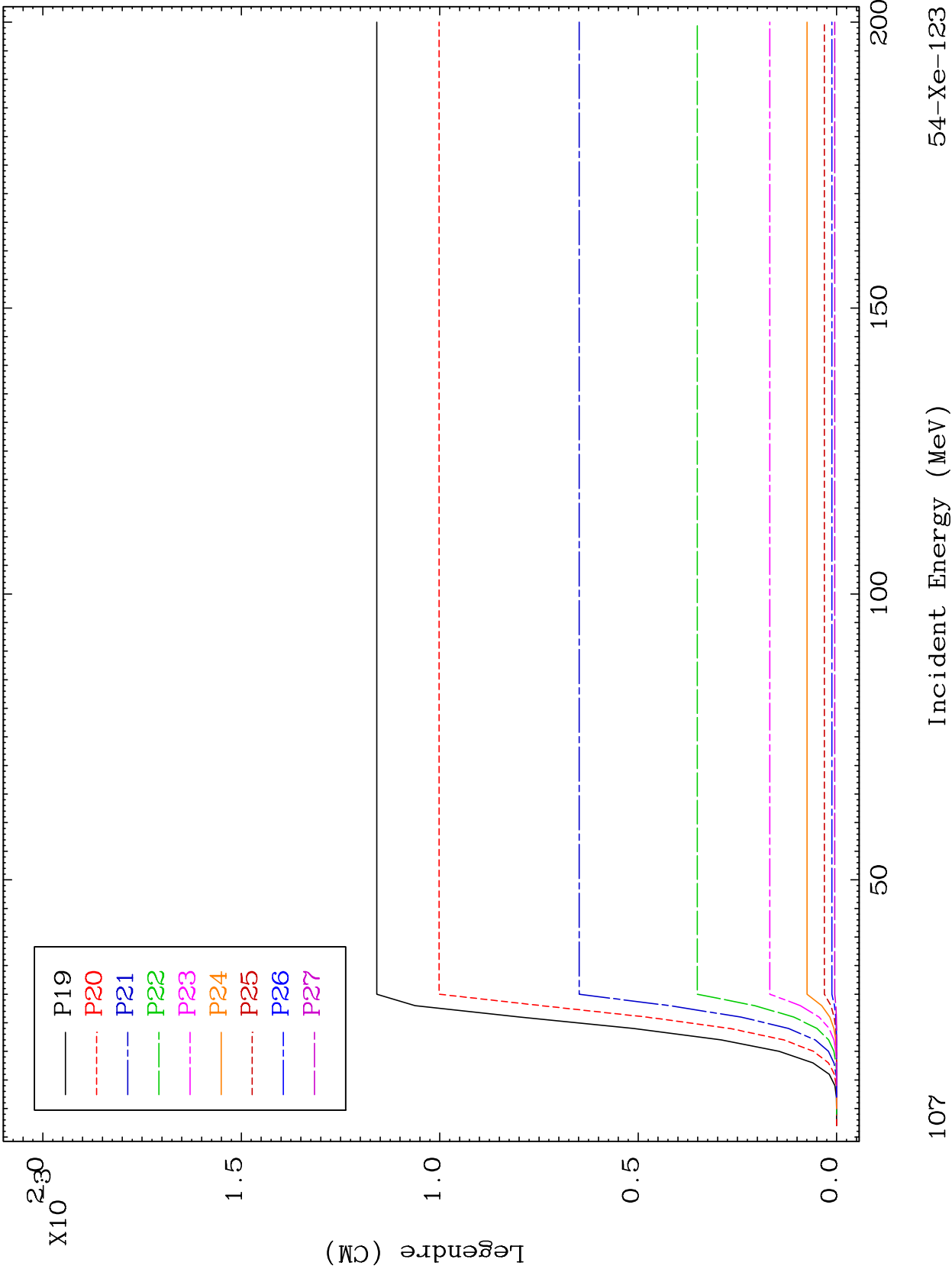
Incident Energy (MeV)

106

MAT 5422

863.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-123



107

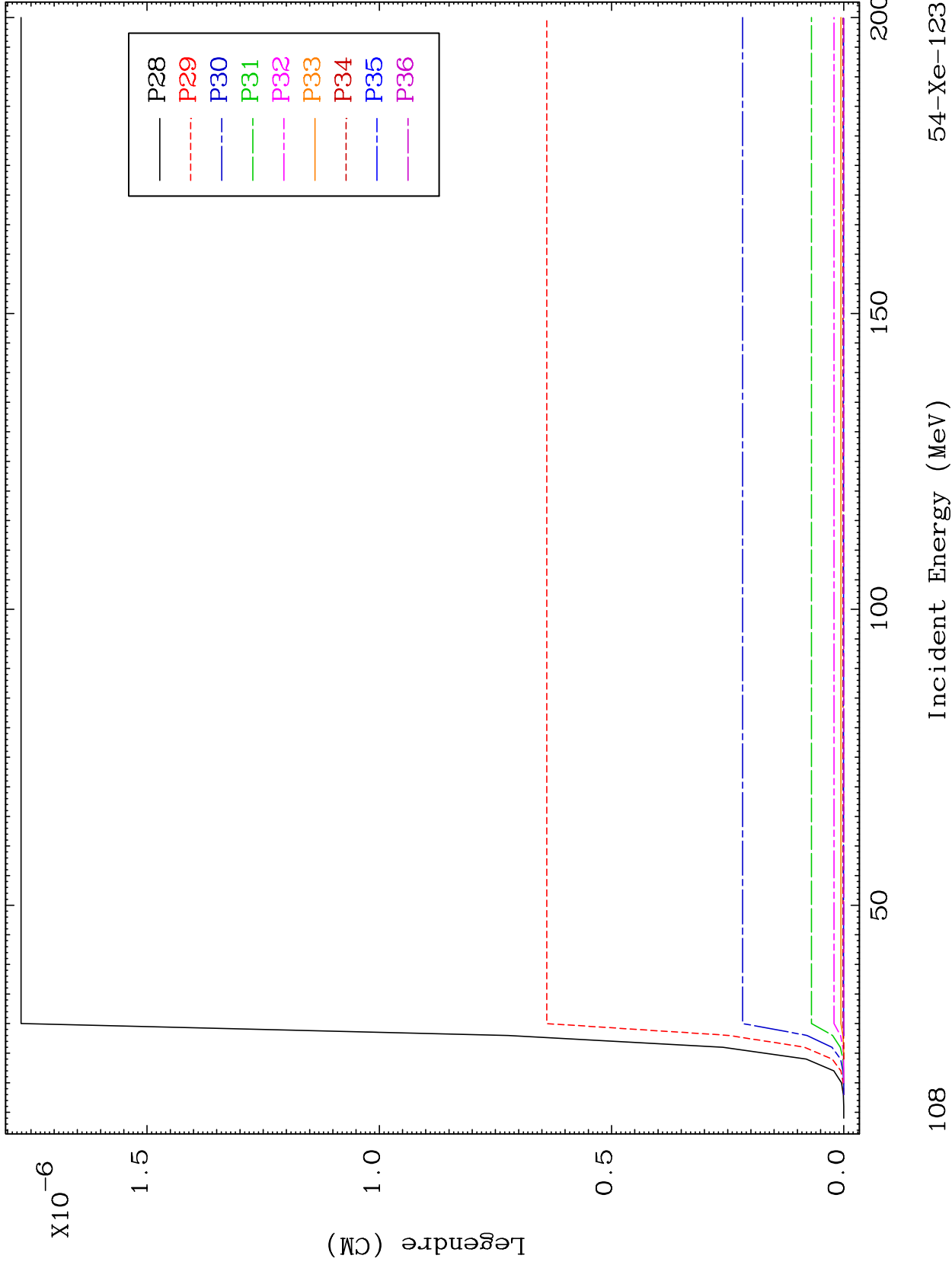
Incident Energy (MeV)

54-Xe-123

MAT 5422

863.8 keV (n,n') Level  
Legendre Coefficients

54-Xe-123

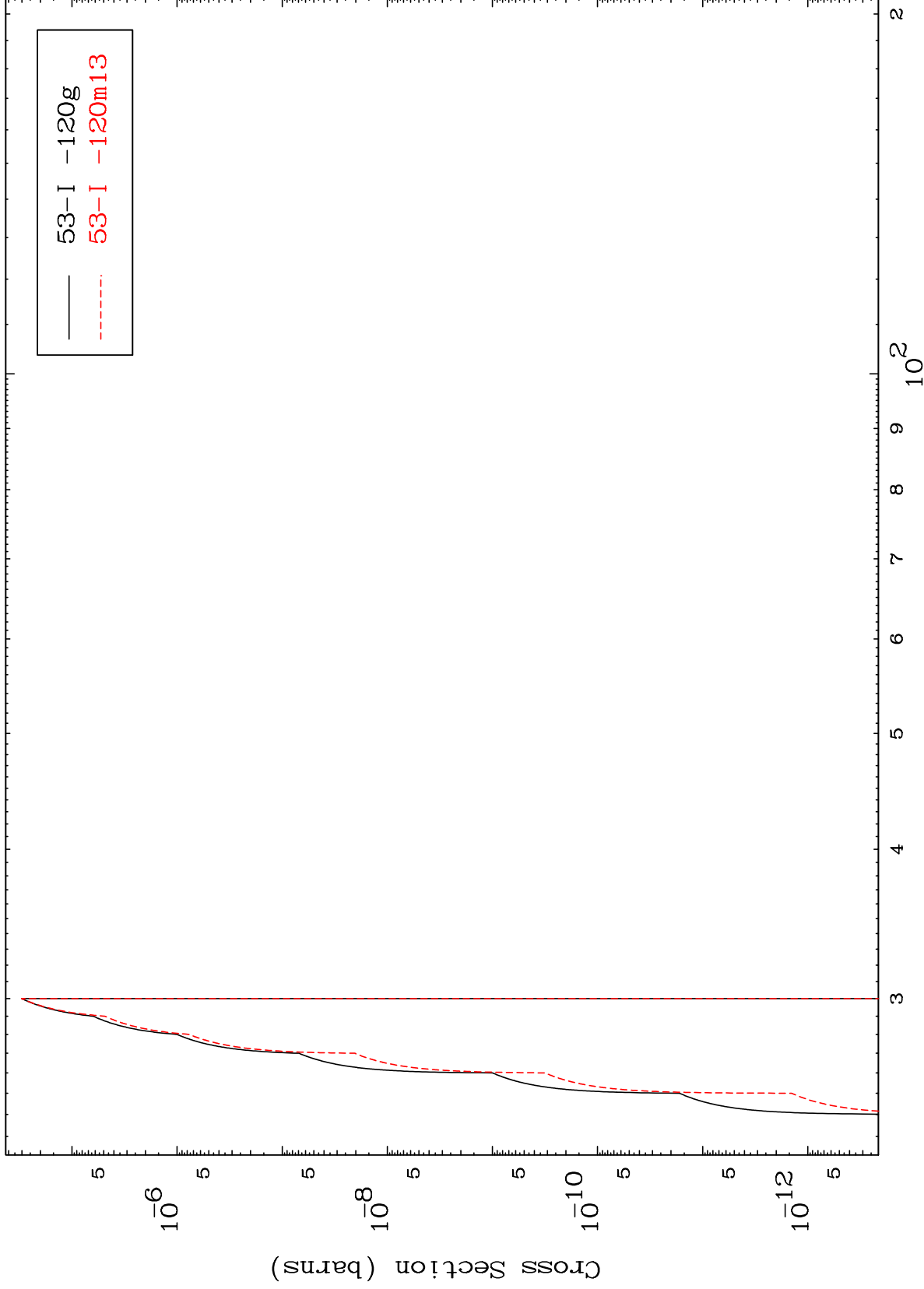


108

Incident Energy (MeV)

54-Xe-123

Radionuclide Production Cross Section

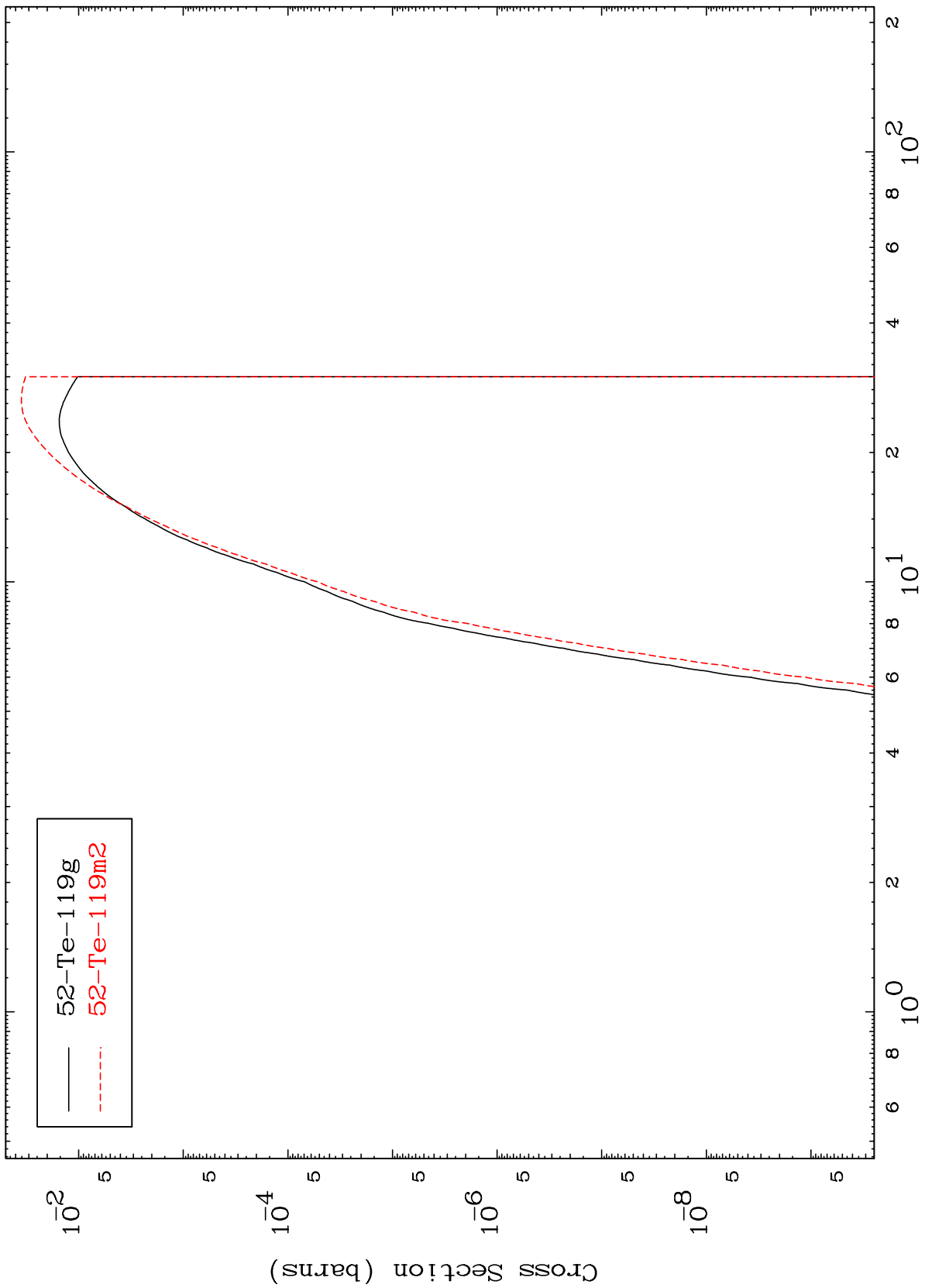


MAT 5422

(n,n')  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



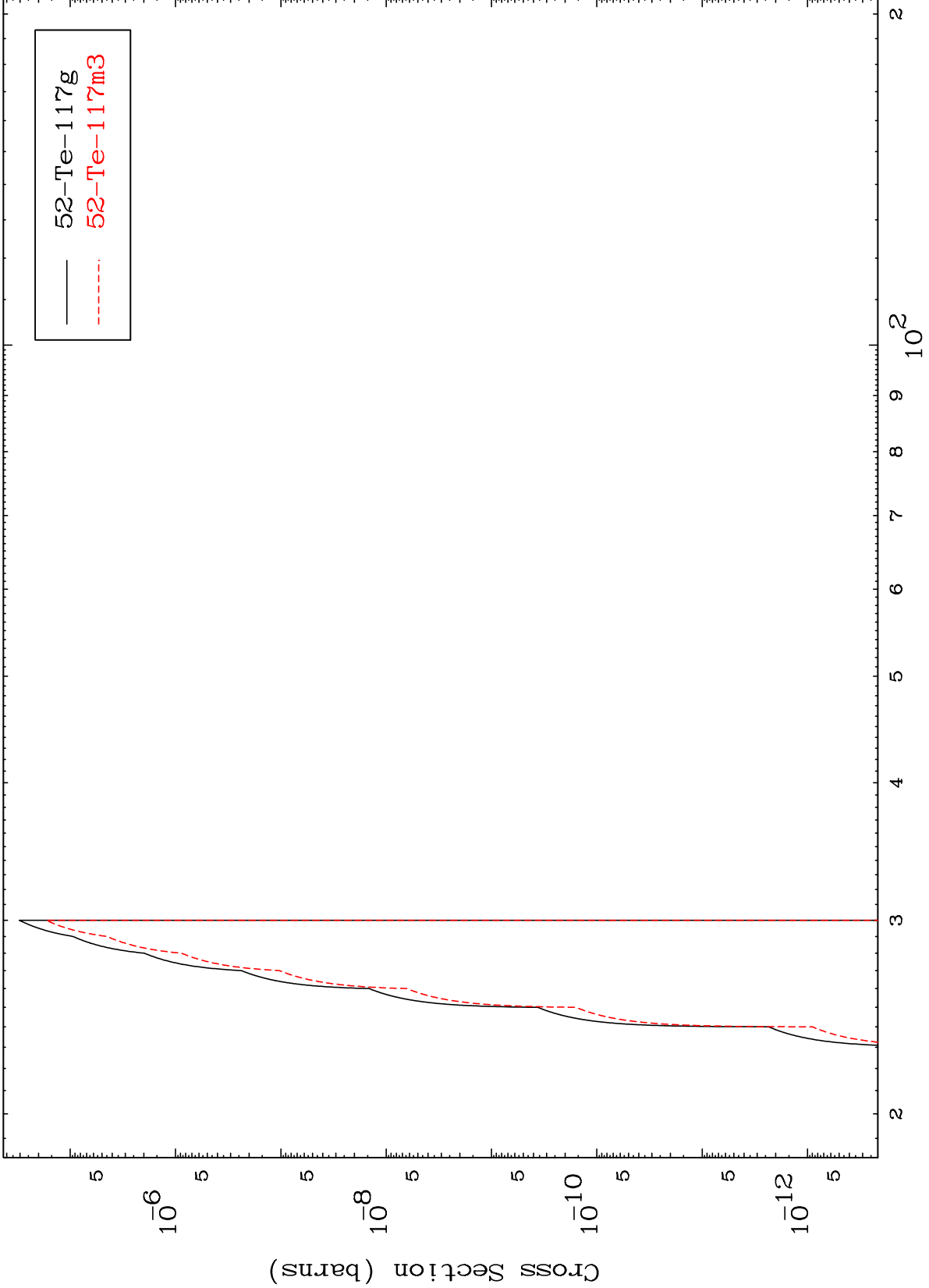
52-Te-119g  
52-Te-119m2

110

Incident Energy (MeV)

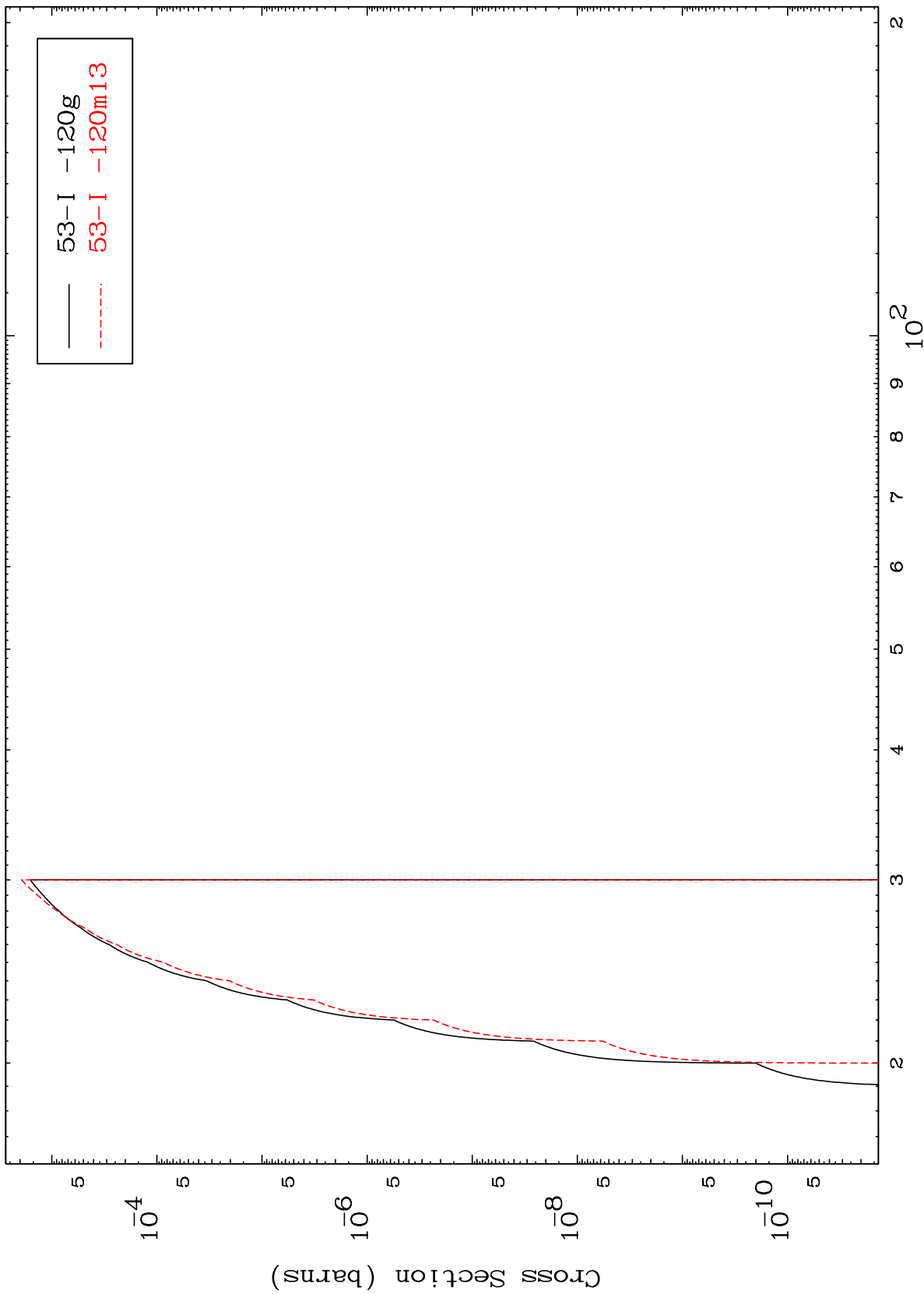
54-Xe-123

Radionuclide Production Cross Section





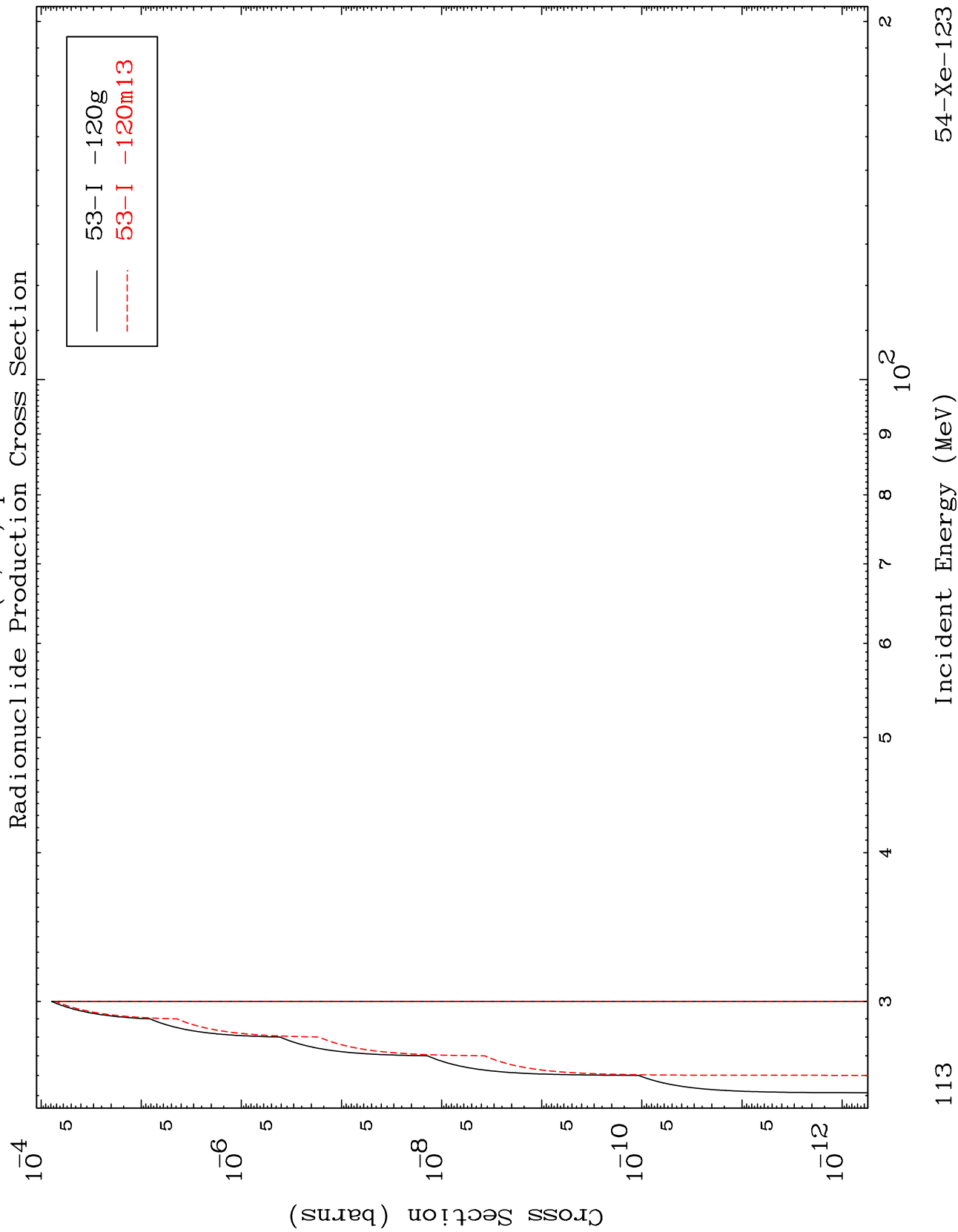
Radionuclide Production Cross Section



MAT 5422

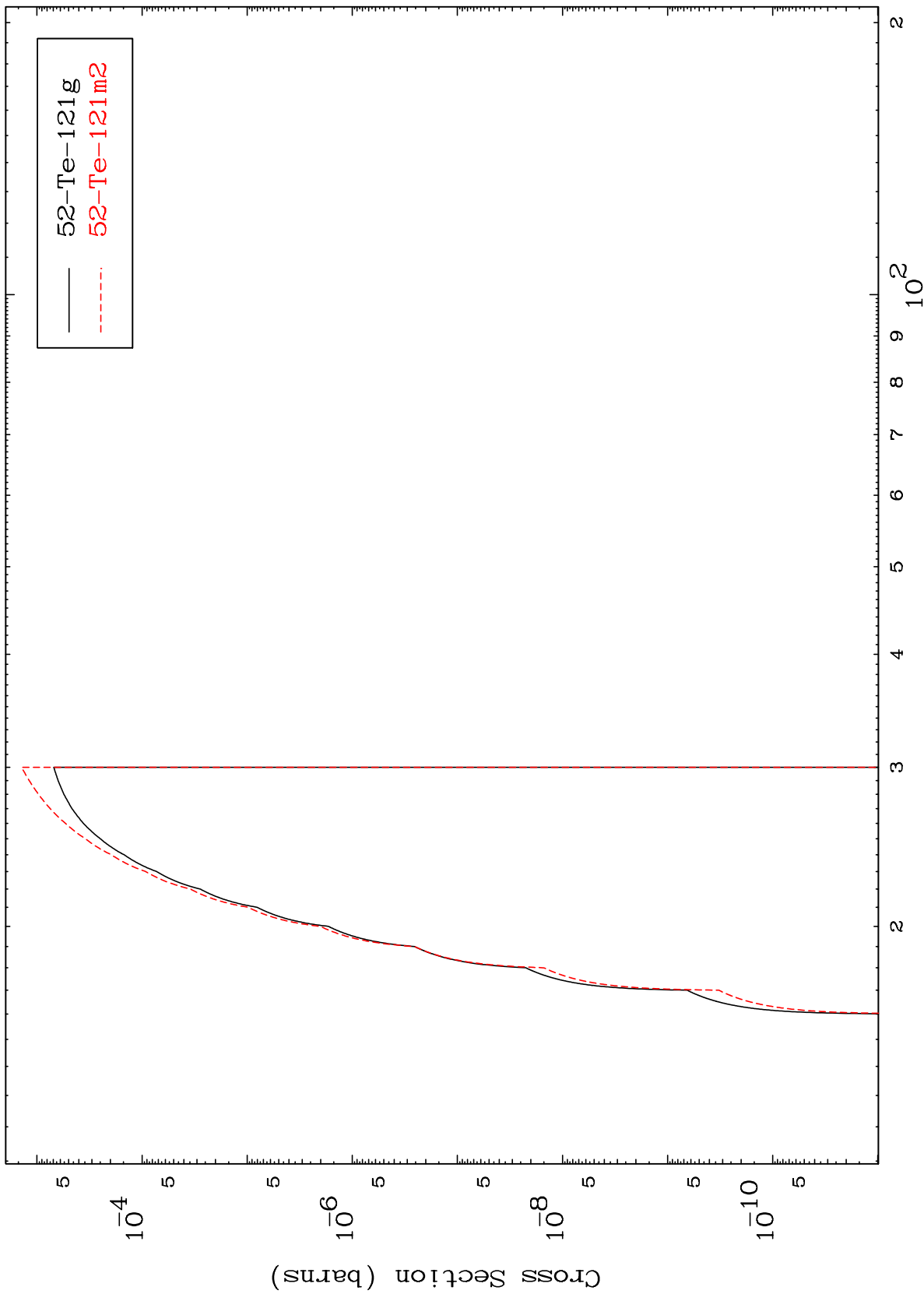
(n,3n) p

54-Xe-123



113

Radionuclide Production Cross Section

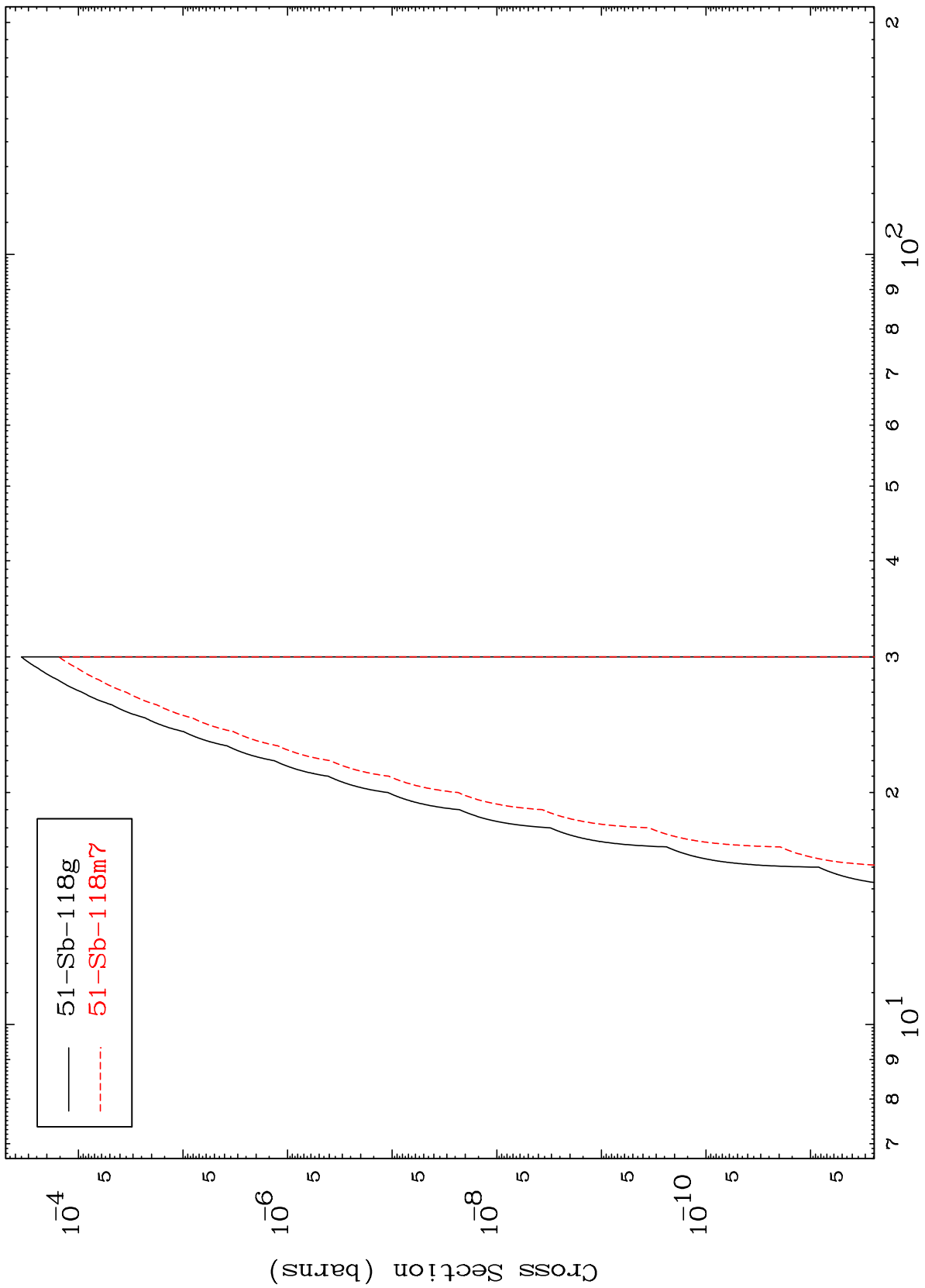


MAT 5422

(n,n') p  $\alpha$

54-Xe-123

Radionuclide Production Cross Section



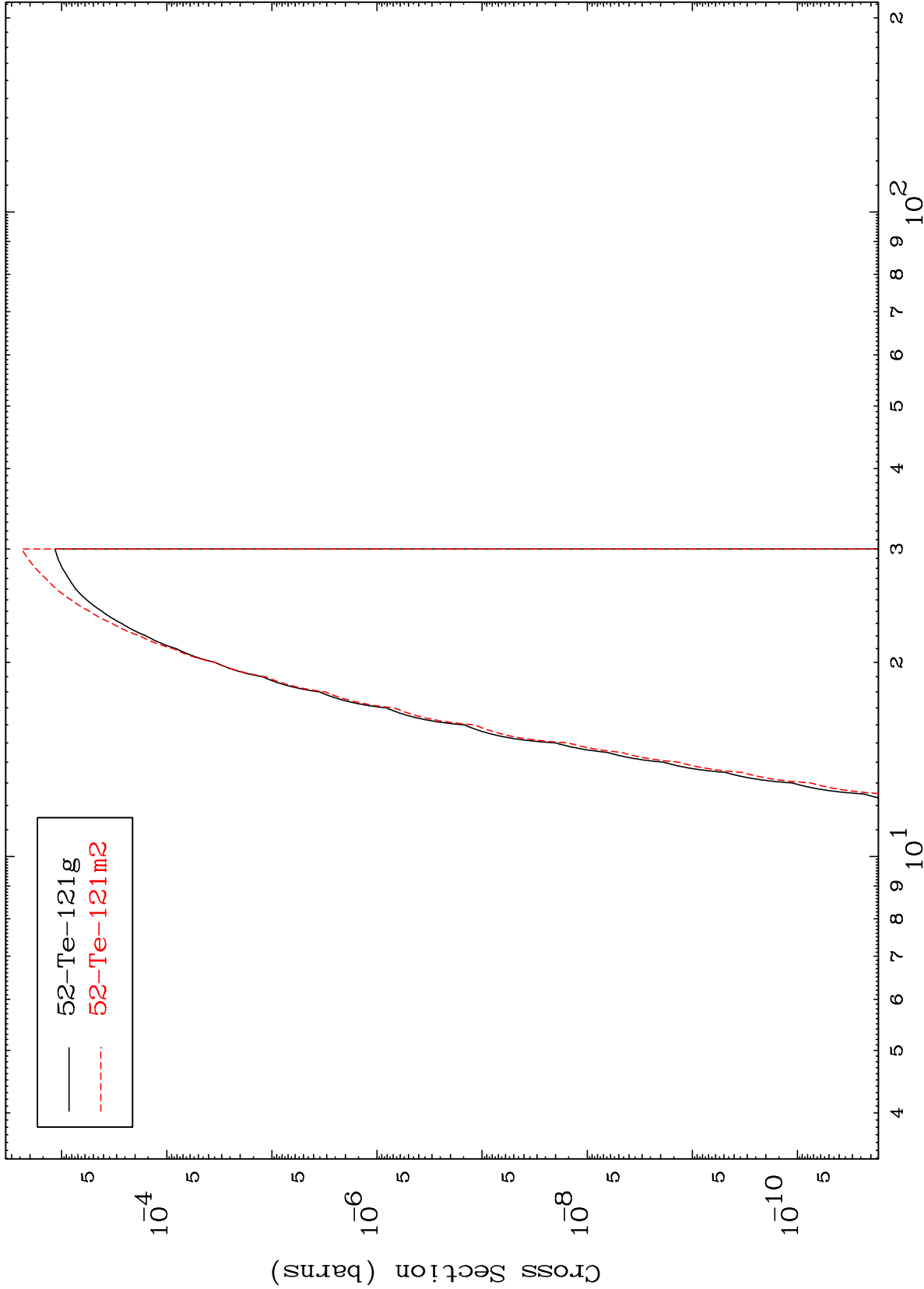
51-Sb-118g  
51-Sb-118m7

115

Incident Energy (MeV)

54-Xe-123

Radionuclide Production Cross Section

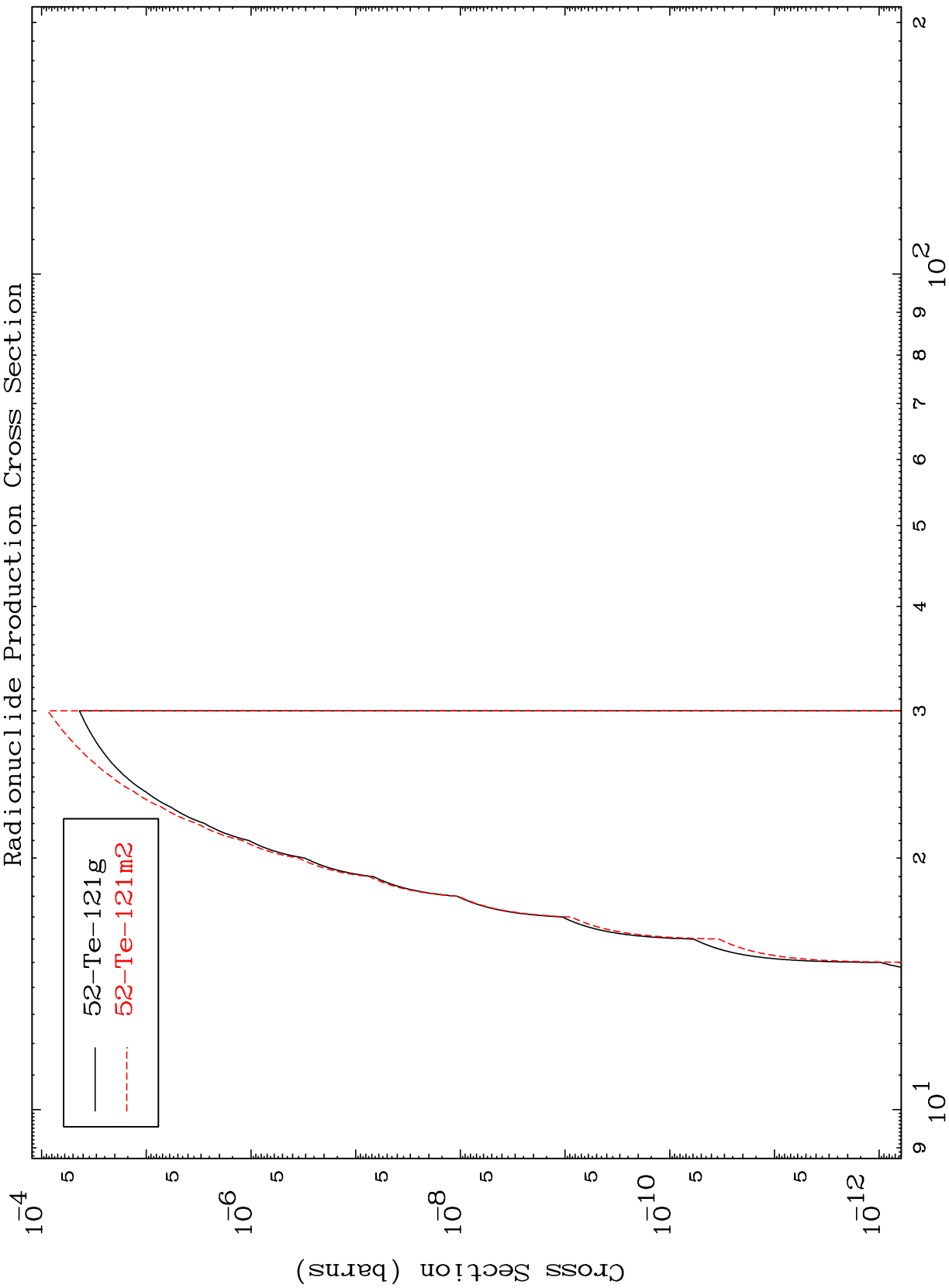


MAT 5422

(n,p) d

54-Xe-123

Radionuclide Production Cross Section



Incident Energy (MeV)

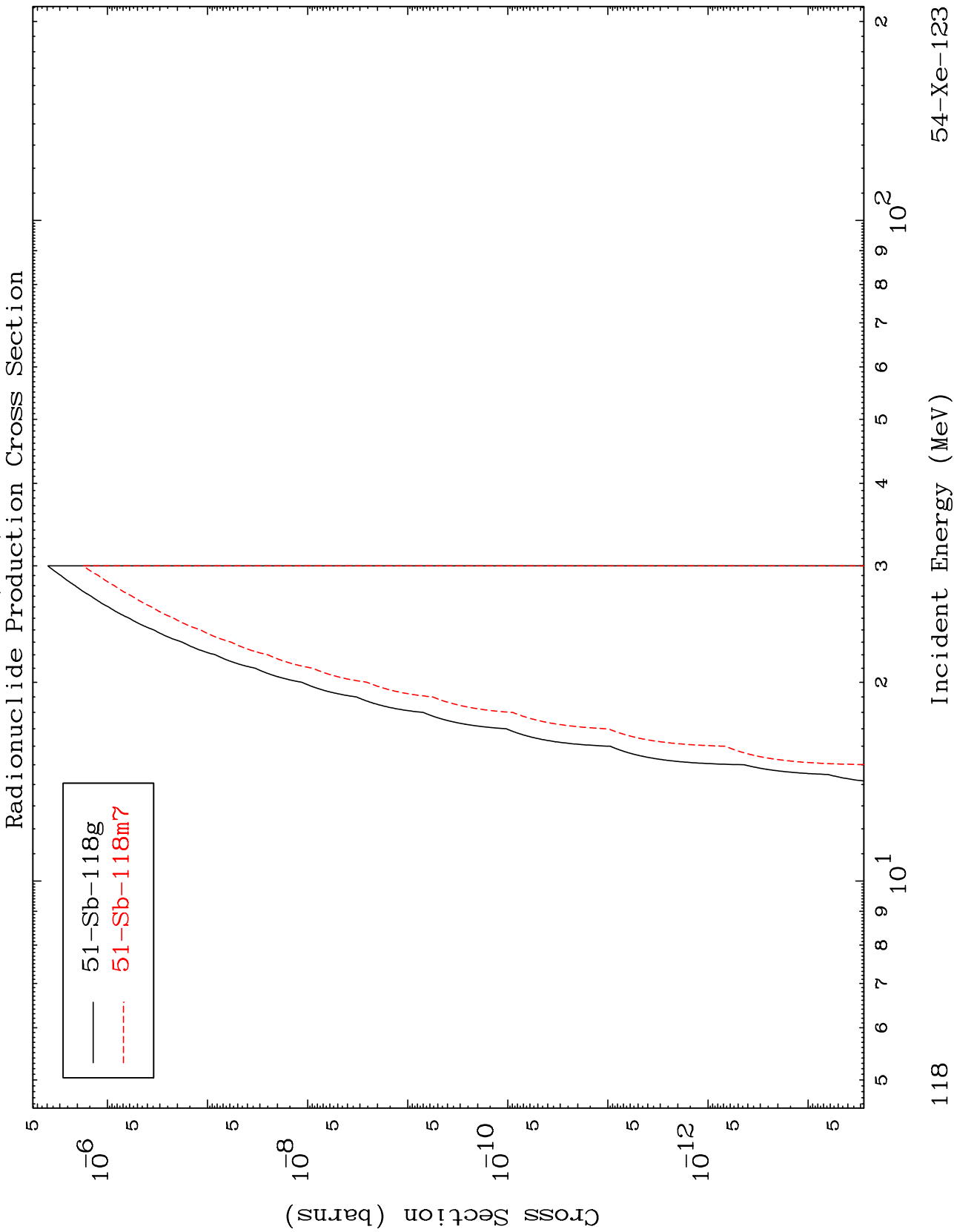
54-Xe-123

117

MAT 5422

(n,d)  $\alpha$

54-Xe-123



118