

Program EVALPLOT
(Version 2015-2)

by

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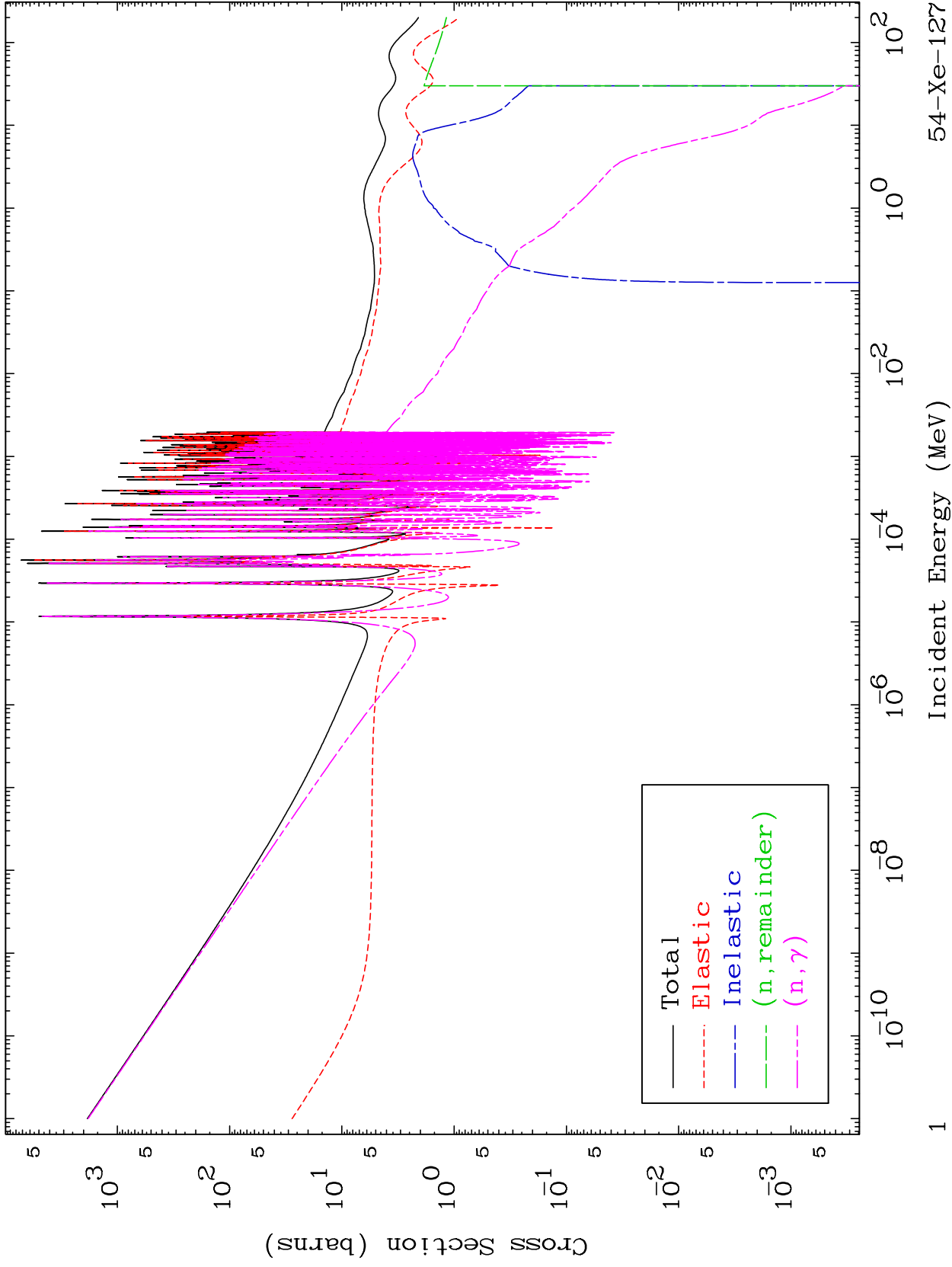
Press Mouse Button to Start

MAT 5434

Major

293 Kelvin Cross Sections

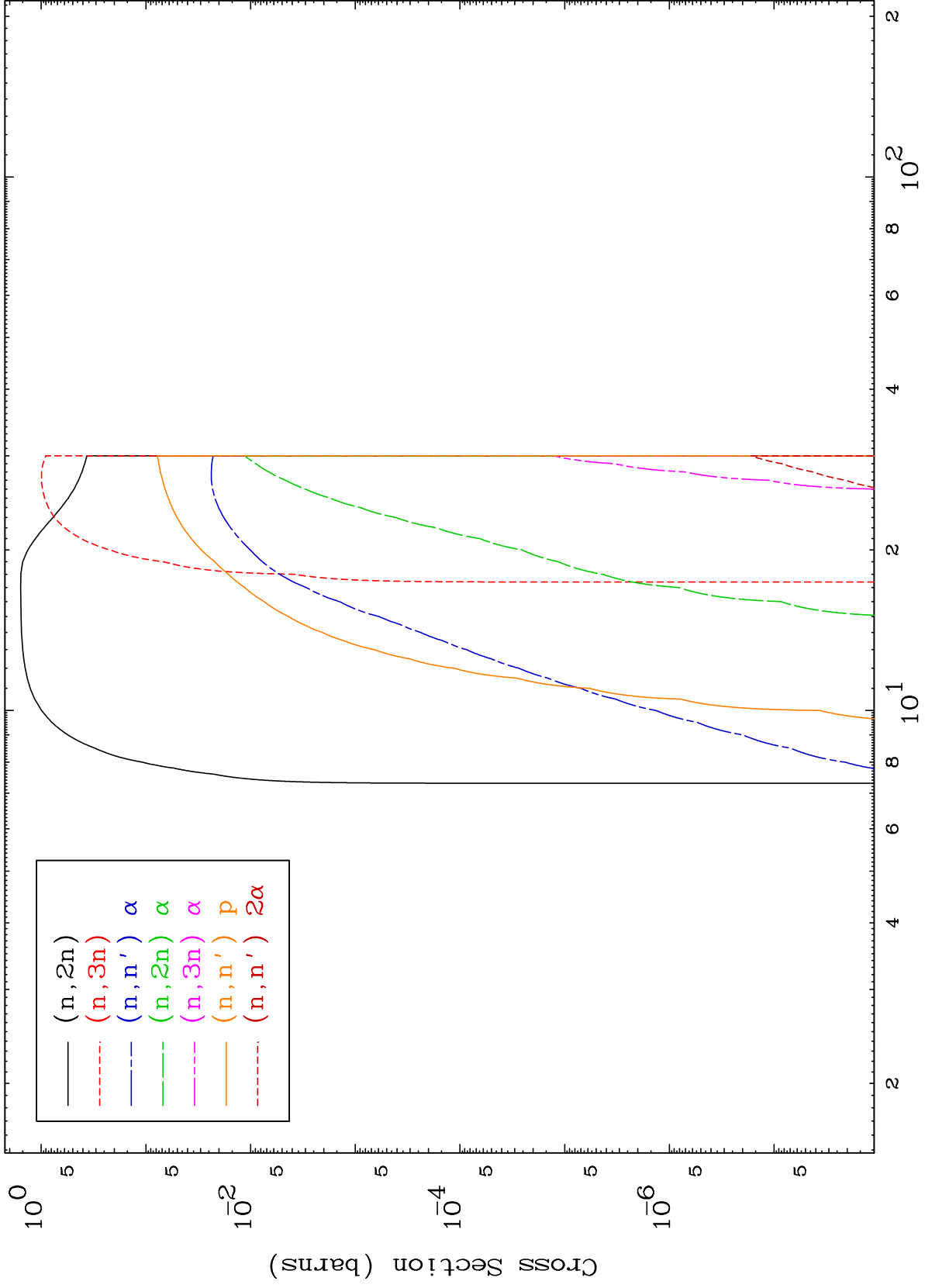
54-Xe-127



MAT 5434

Neutron Production
293 Kelvin Cross Sections

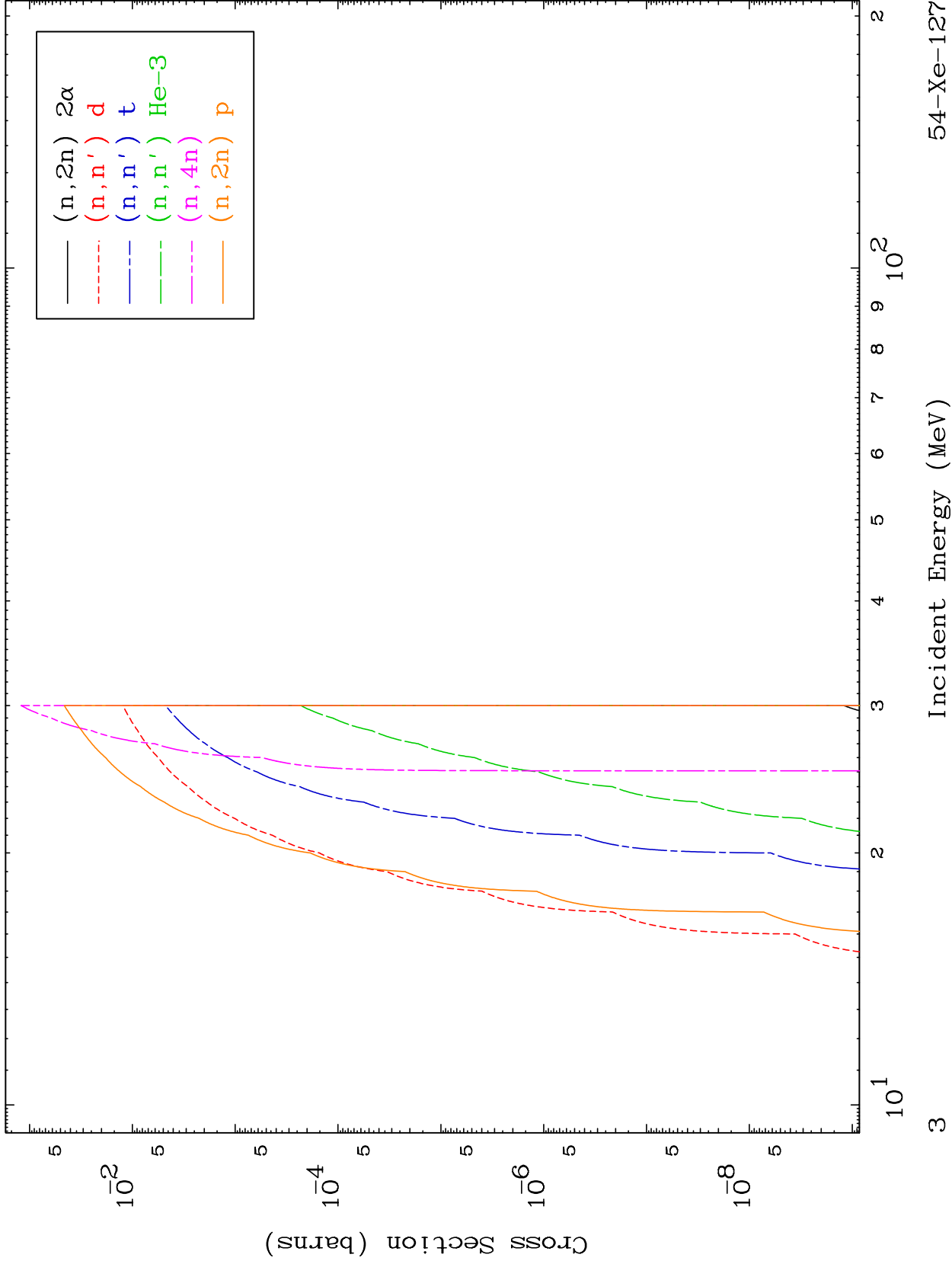
54-Xe-127

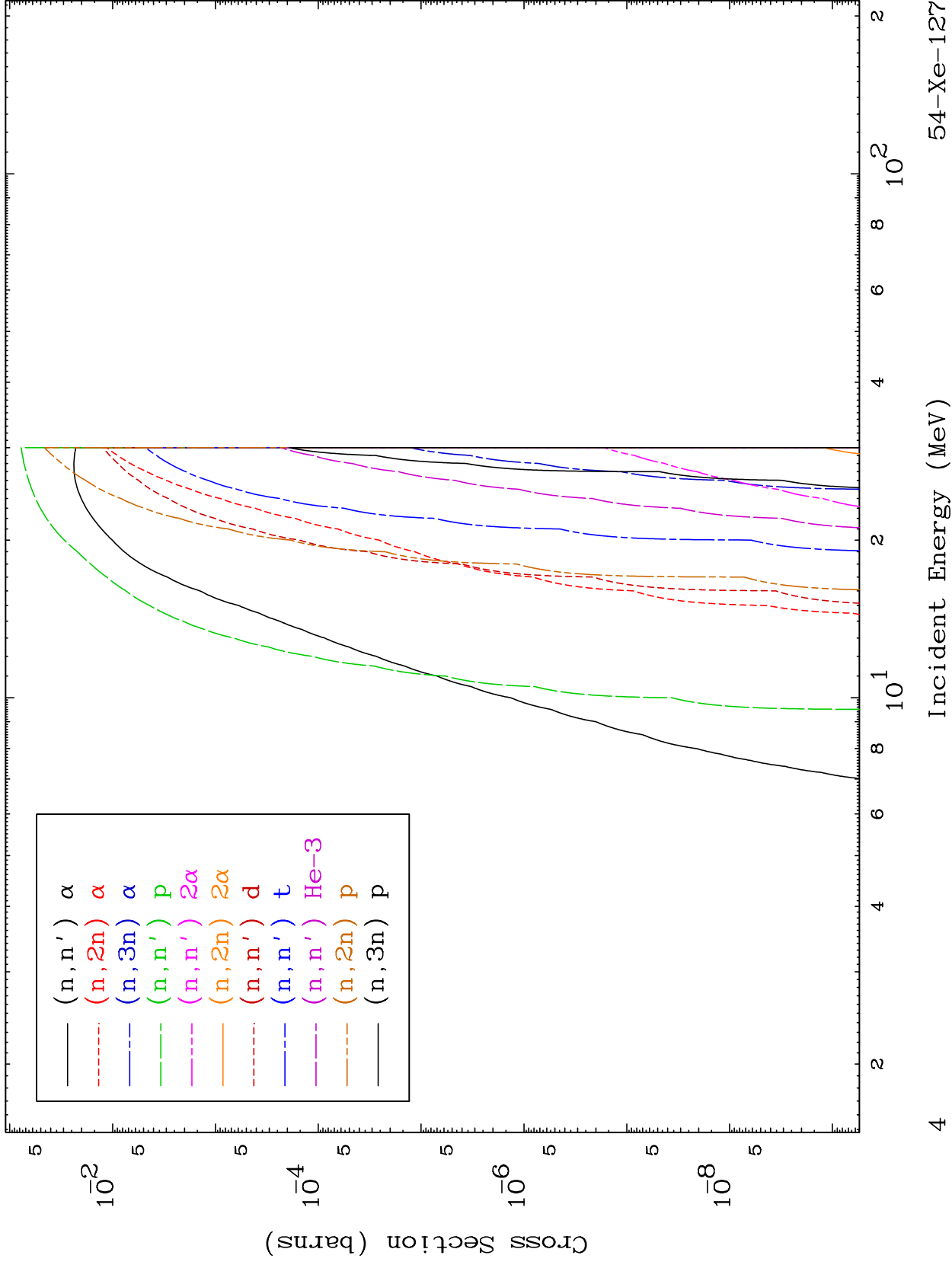


54-Xe-127

Incident Energy (MeV)

2

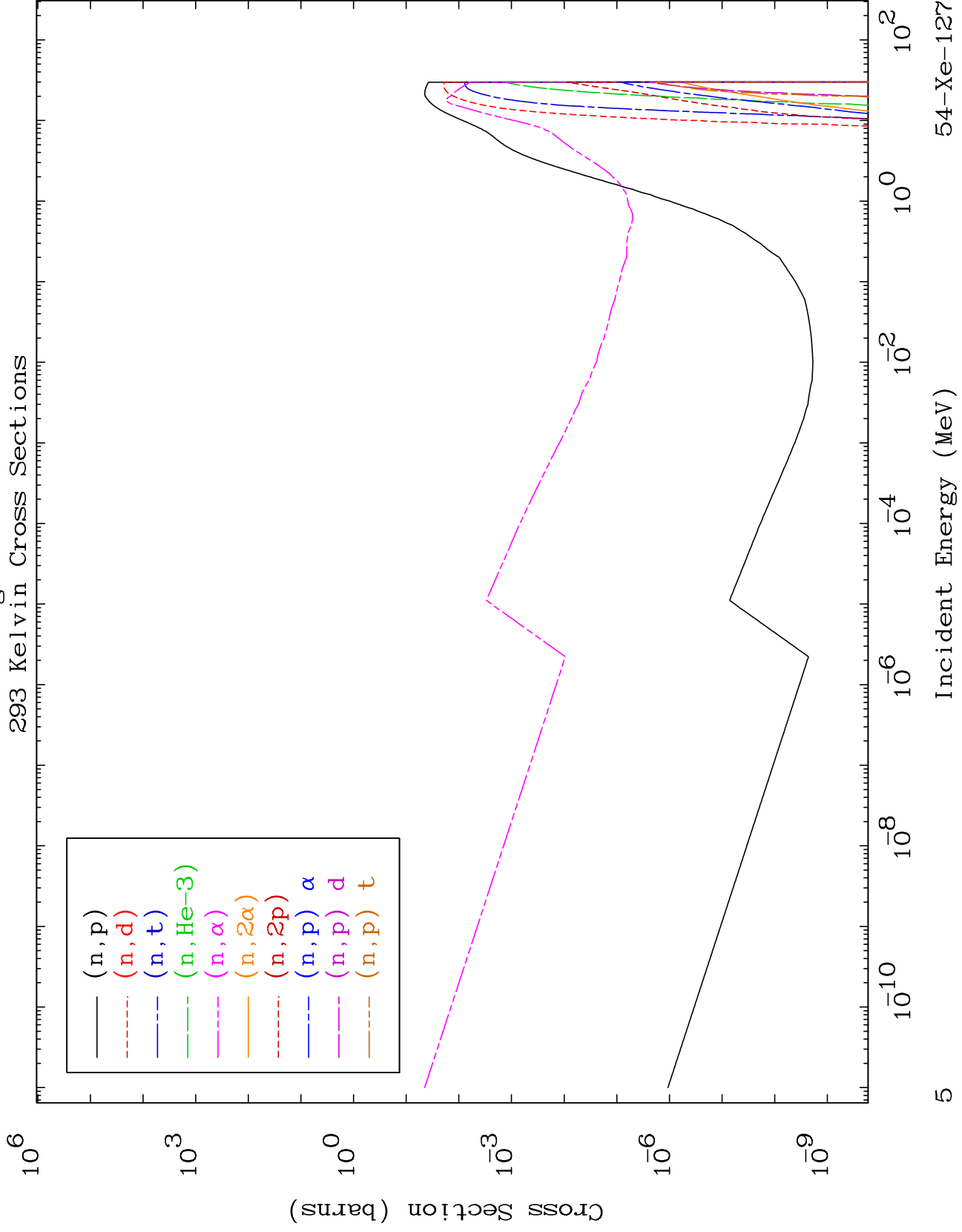




MAT 5434

Charged Particle
293 Kelvin Cross Sections

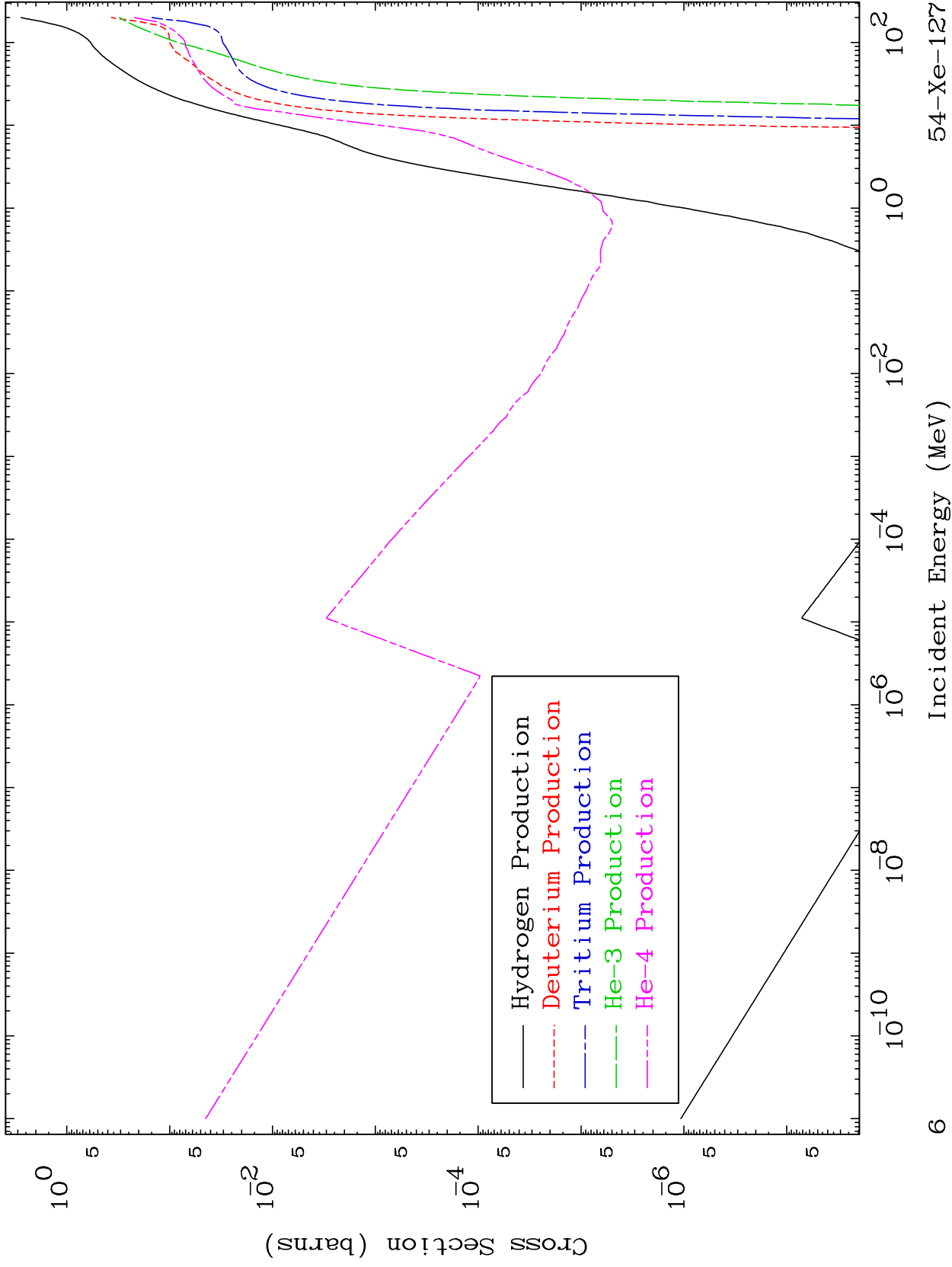
54-Xe-127



MAT 5434

Particle Production
293 Kelvin Cross Sections

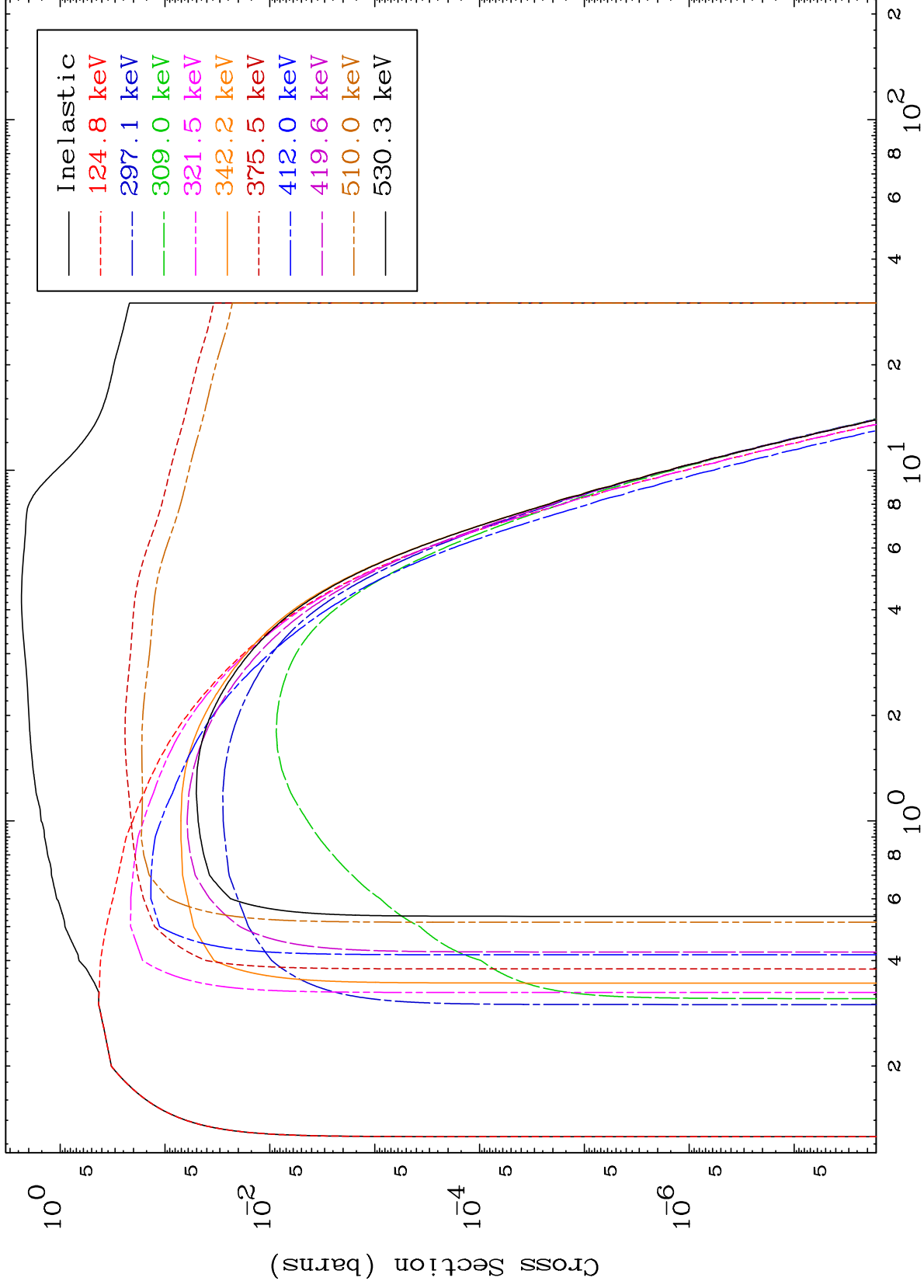
54-Xe-127



MAT 5434

(n,n') Level
293 Kelvin Cross Sections

54-Xe-127

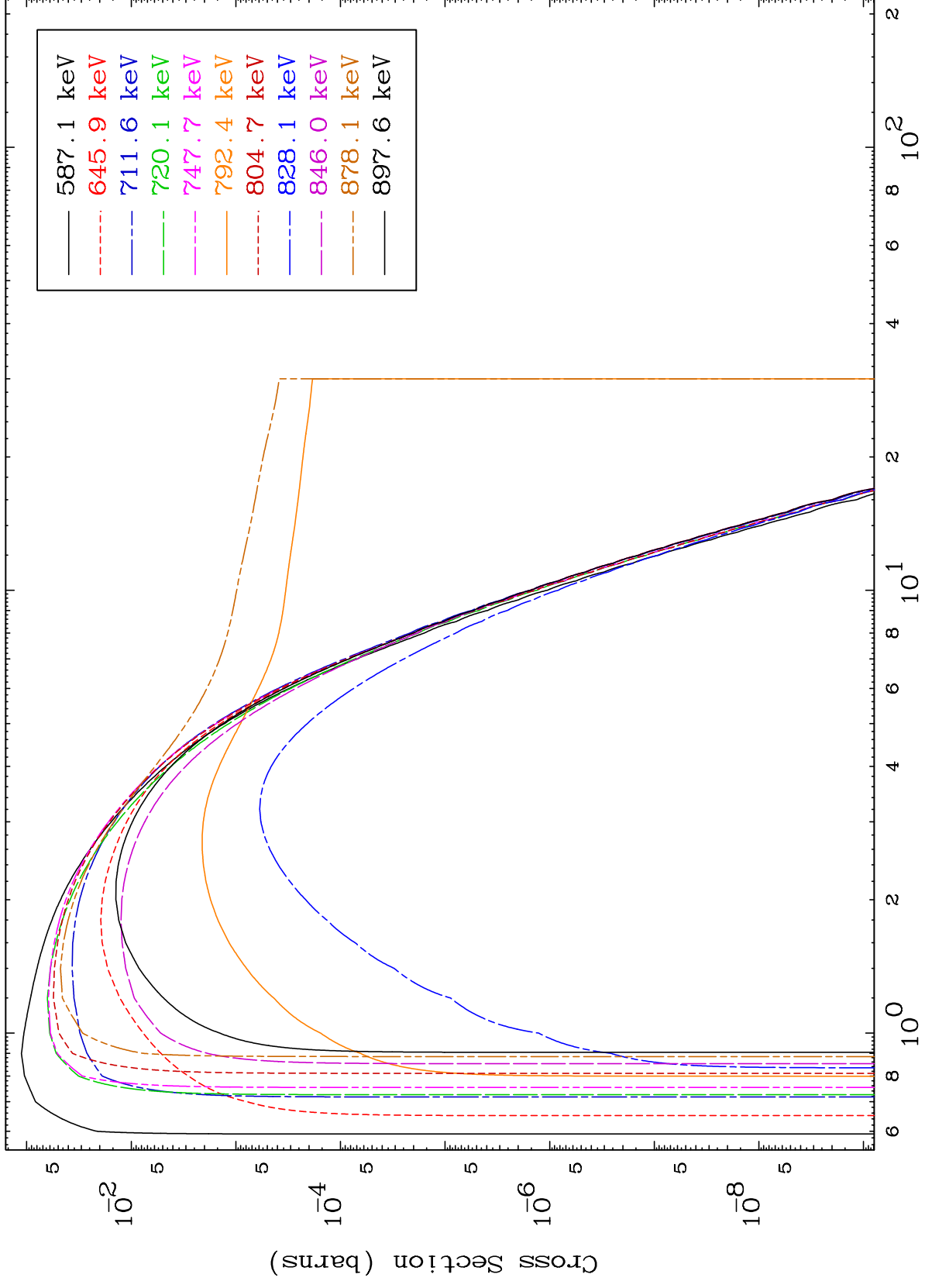


MAT 5434

(n,n') Level

54-Xe-127

293 Kelvin Cross Sections



8

Incident Energy (MeV)

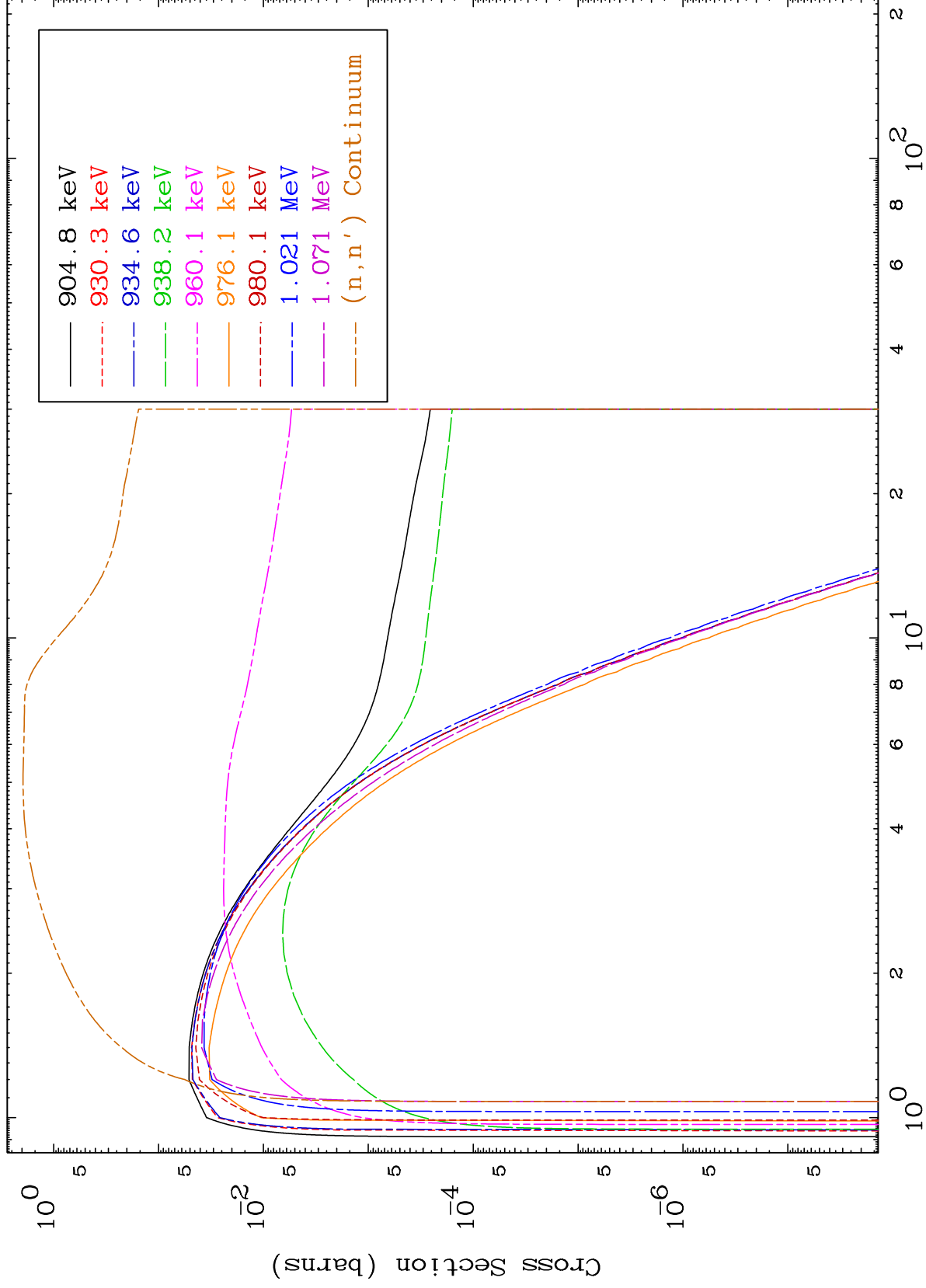
54-Xe-127

MAT 5434

(n,n') Level

54-Xe-127

293 Kelvin Cross Sections



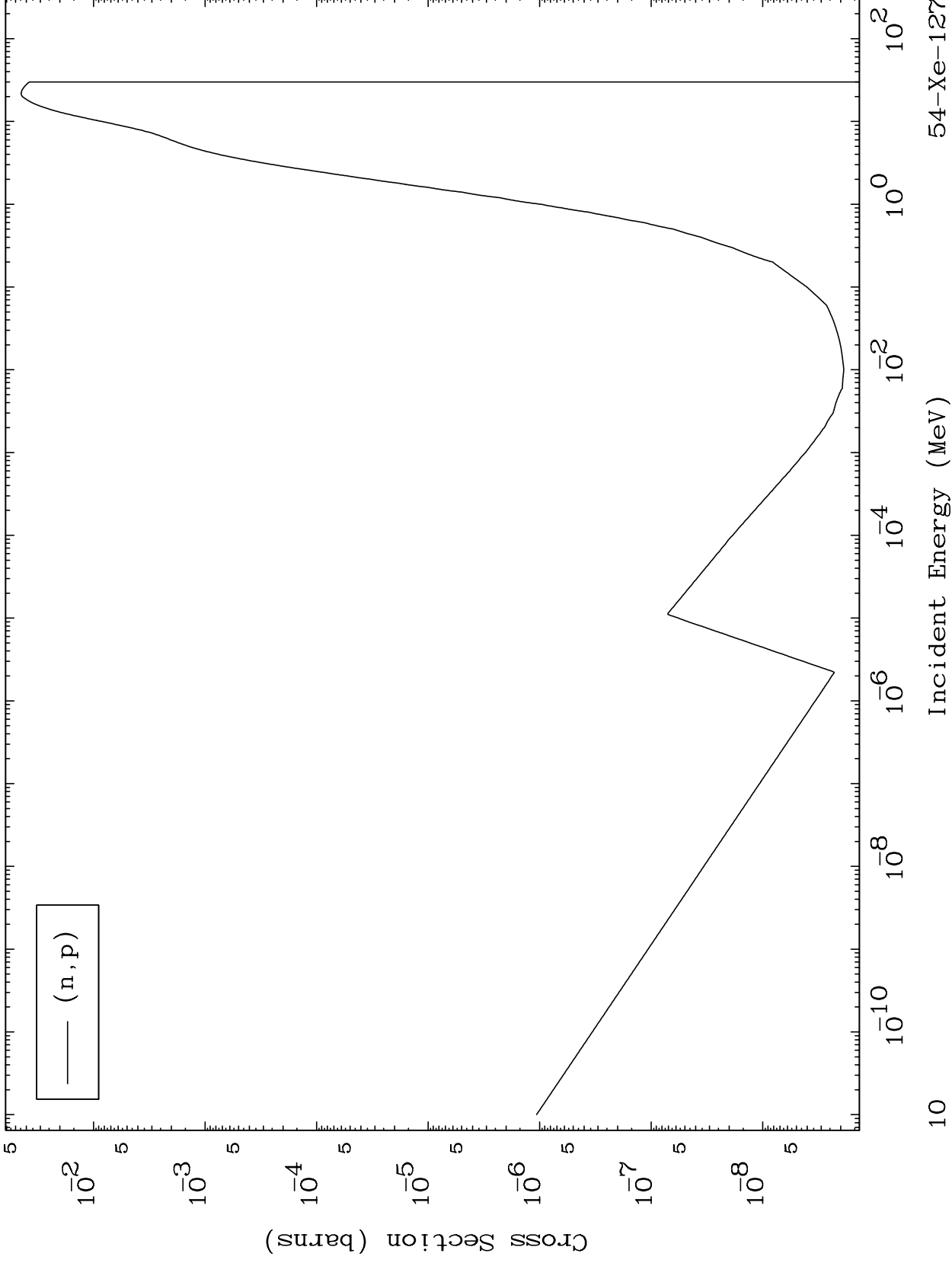
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-127



10

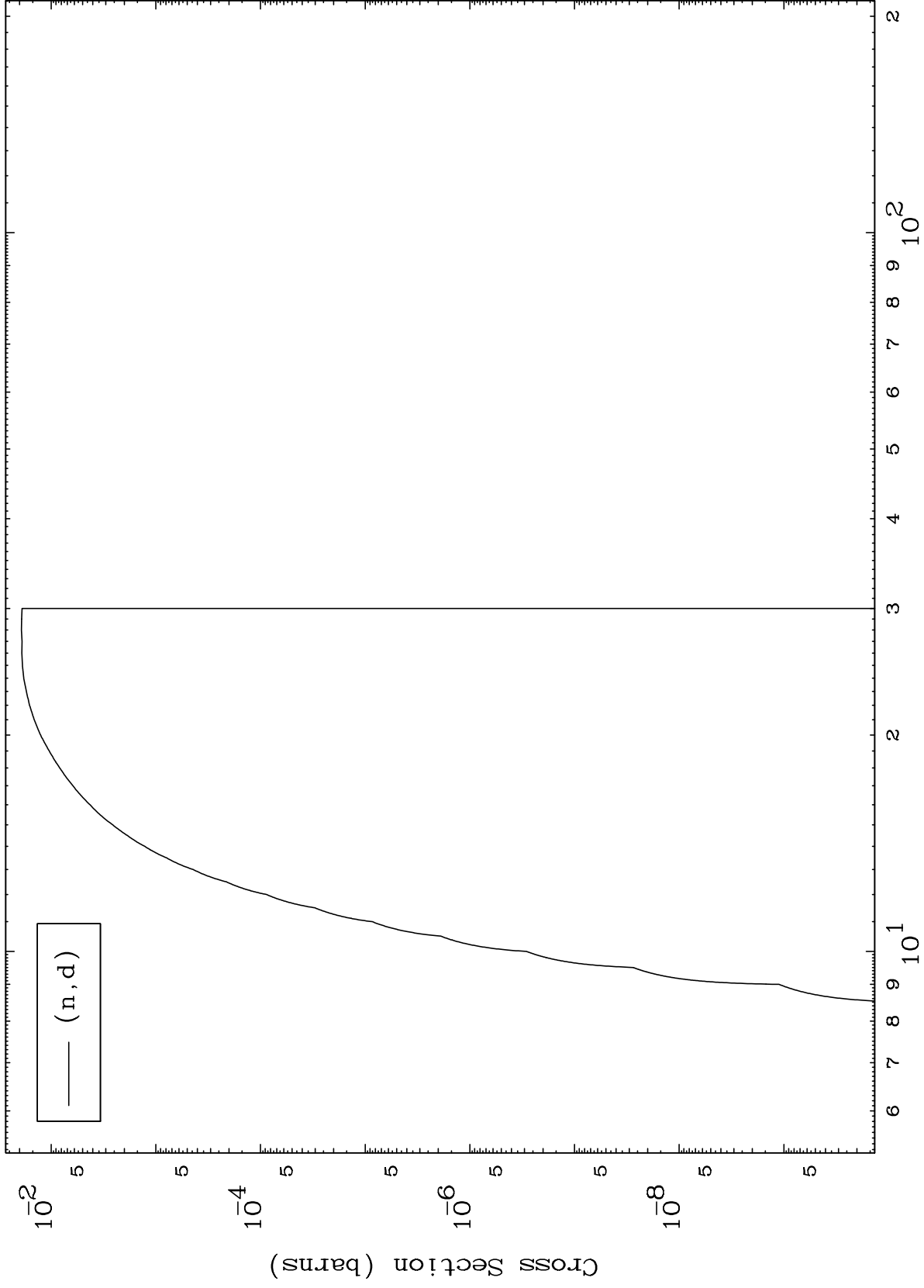
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,d) Levels
293 Kelvin Cross Sections

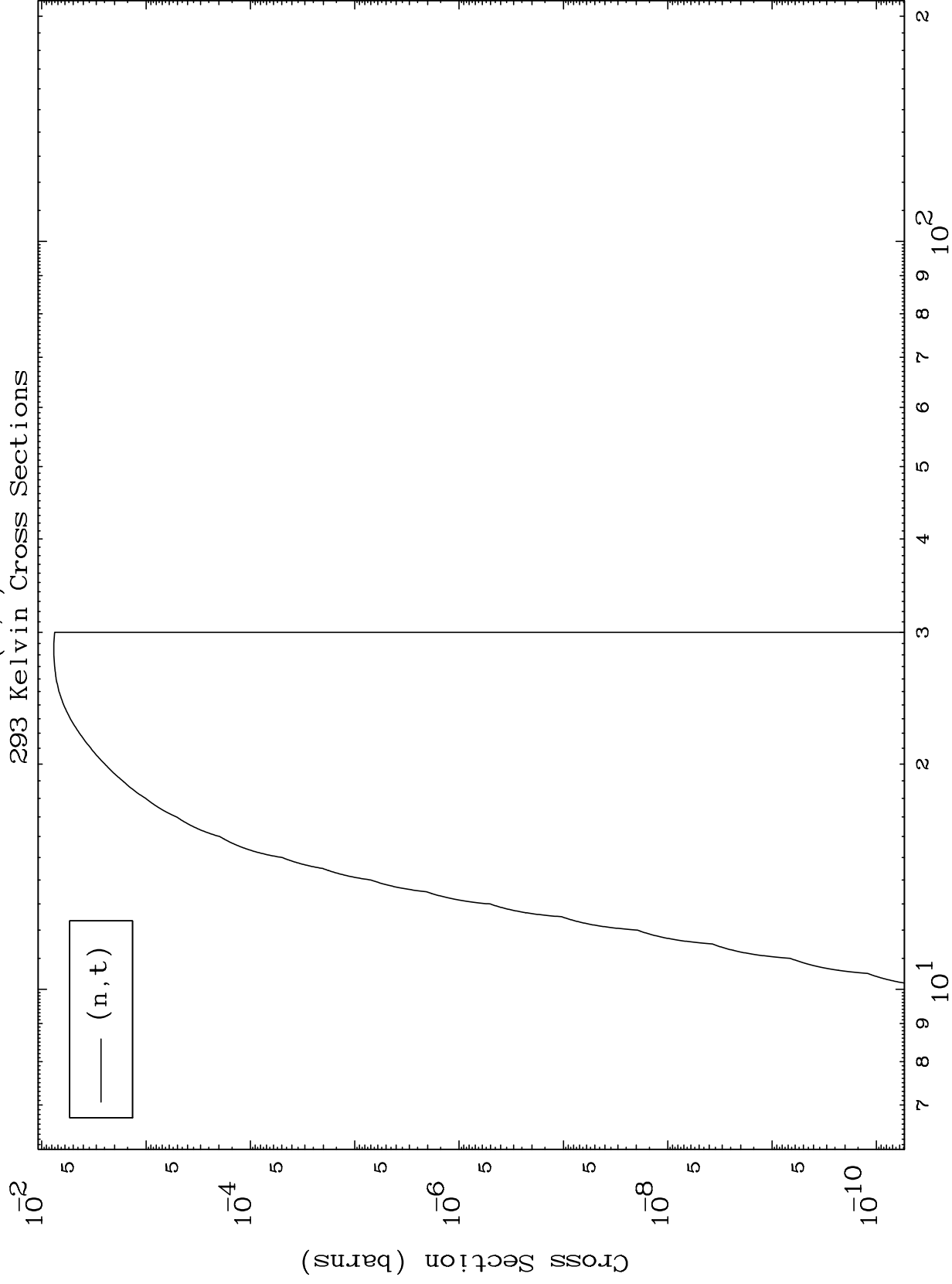
54-Xe-127



MAT 5434

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-127



12

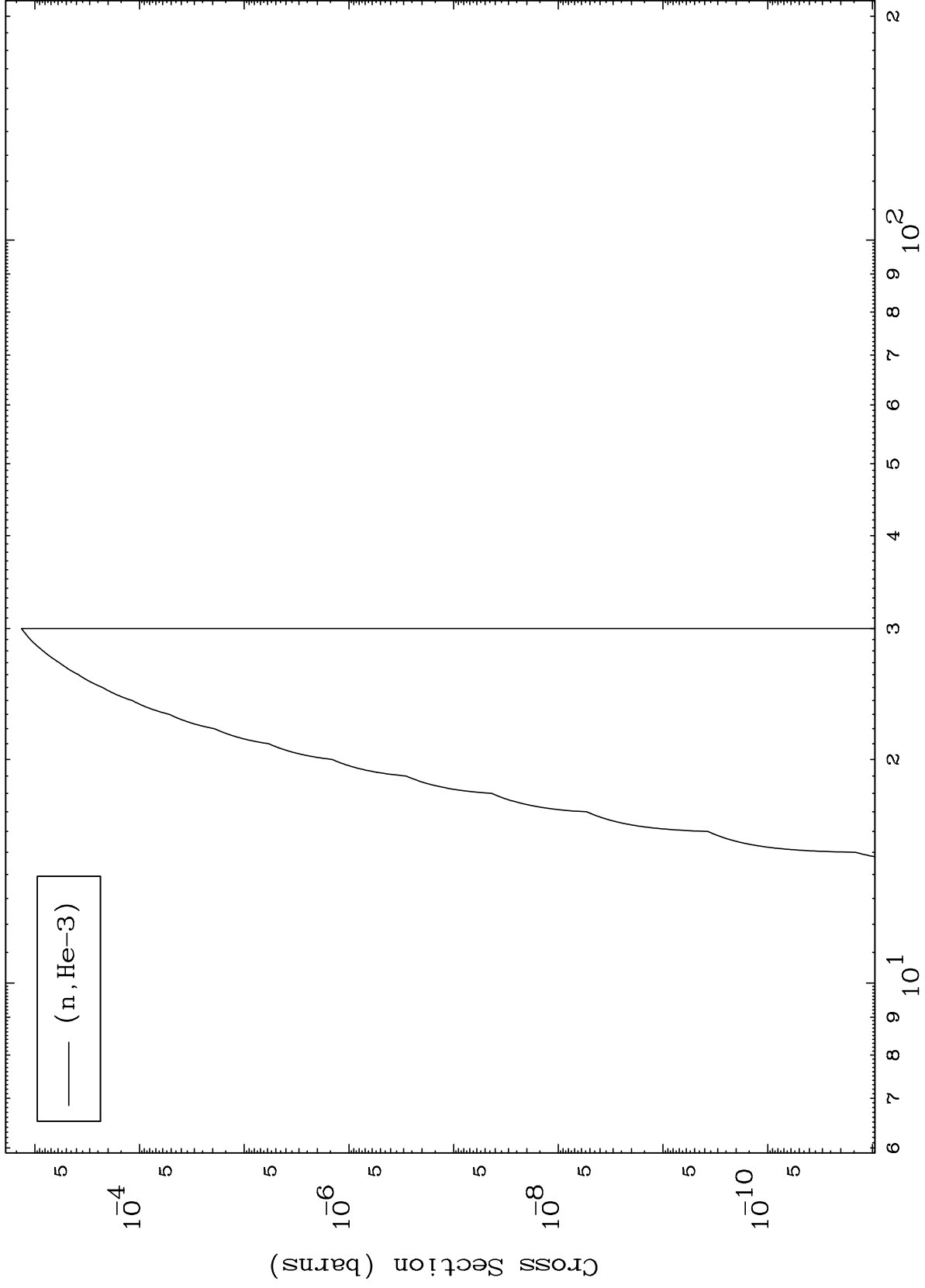
Incident Energy (MeV)

54-Xe-127

MAT 5434

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-127



13

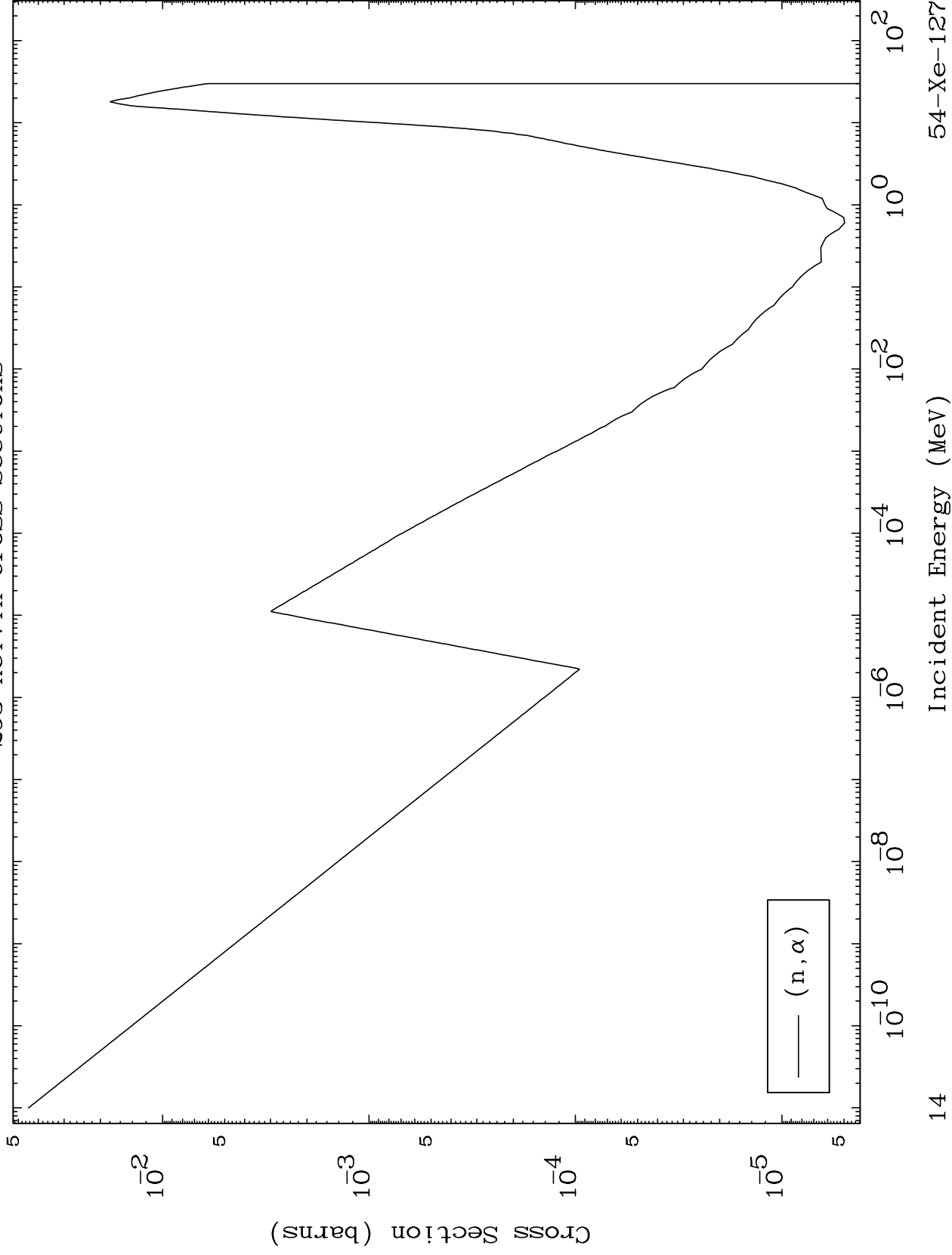
Incident Energy (MeV)

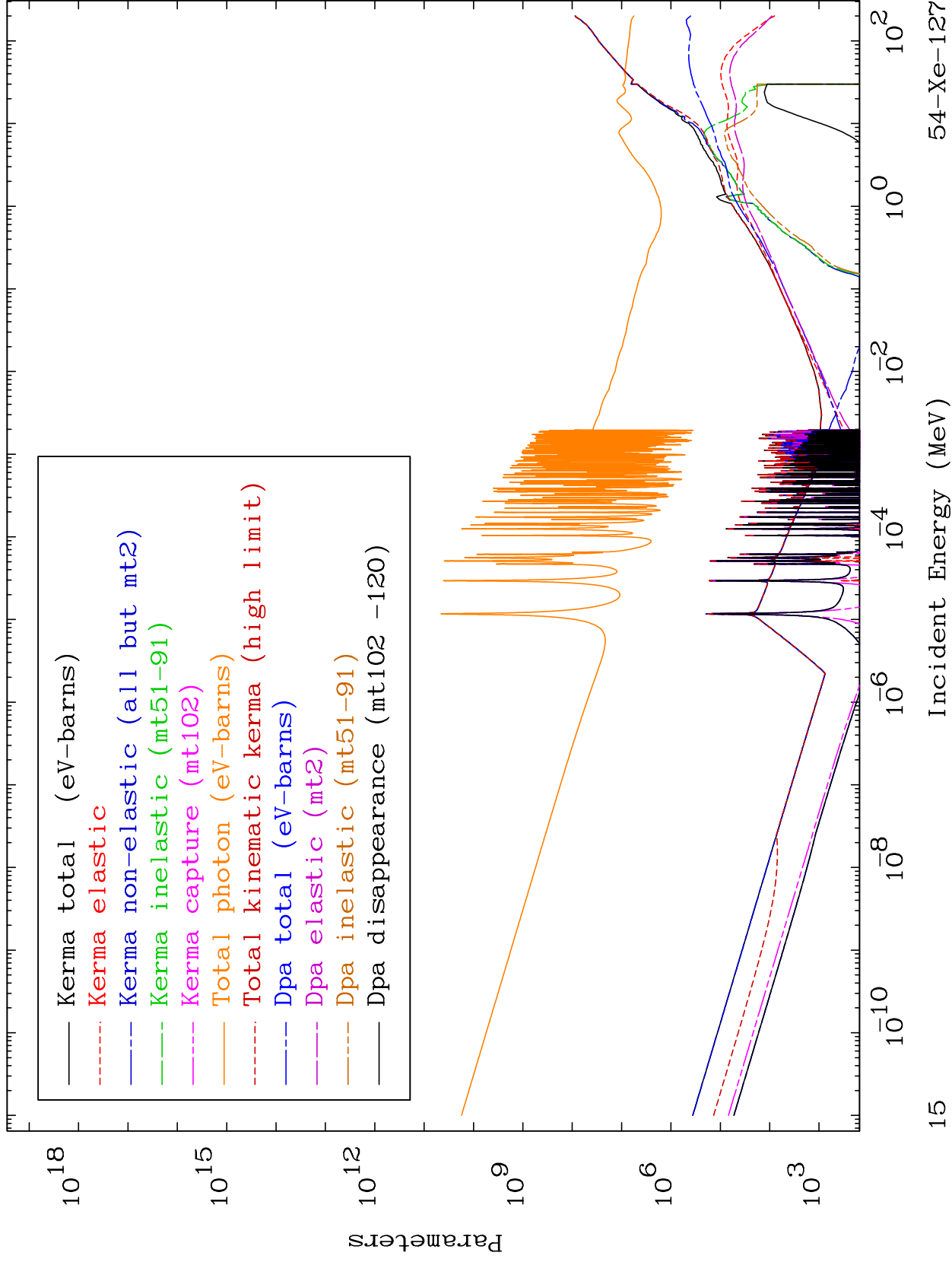
54-Xe-127

MAT 5434

(n,α) Levels
293 Kelvin Cross Sections

54-Xe-127

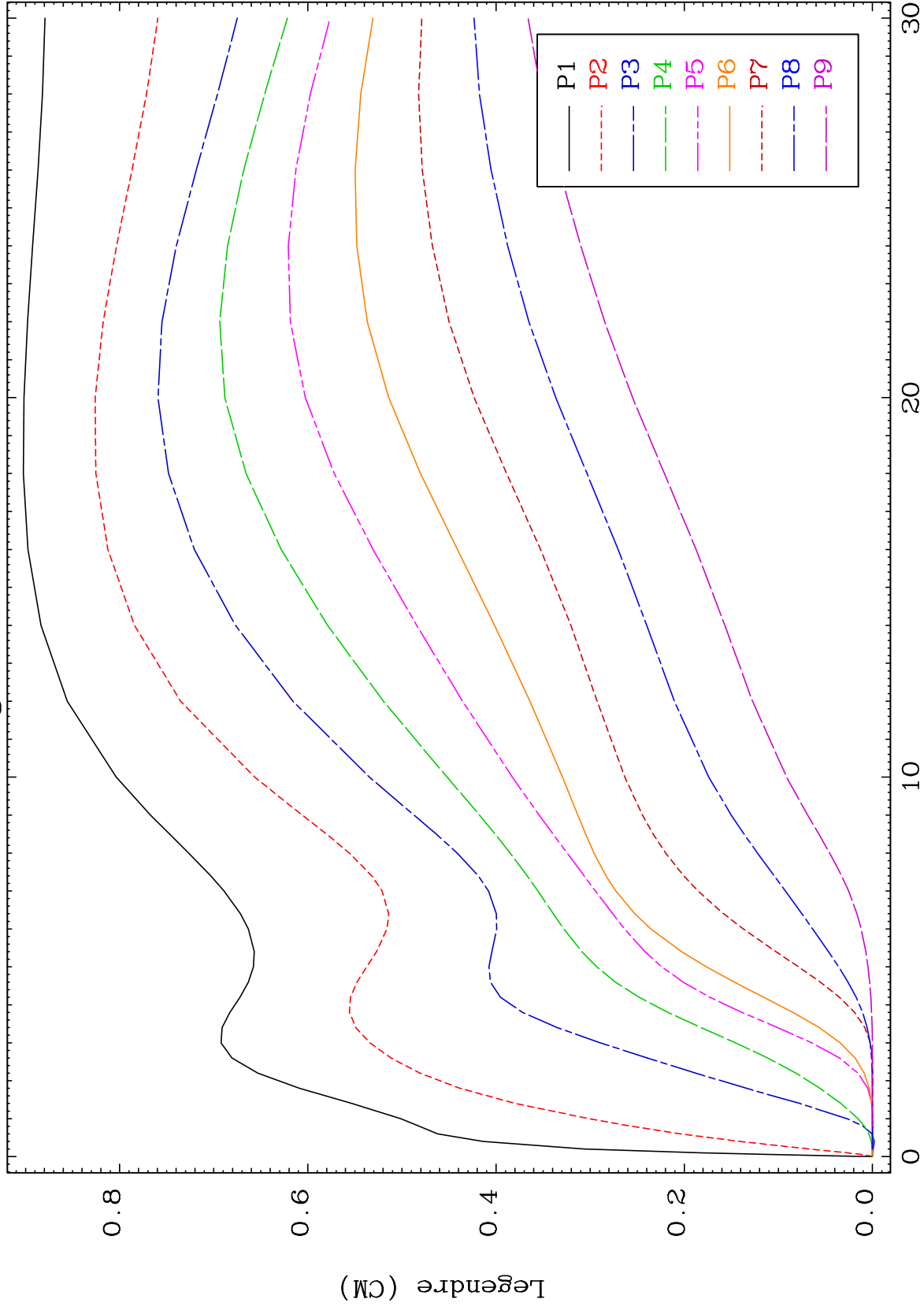




MAT 5434

Elastic Legendre Coefficients

54-Xe-127



16

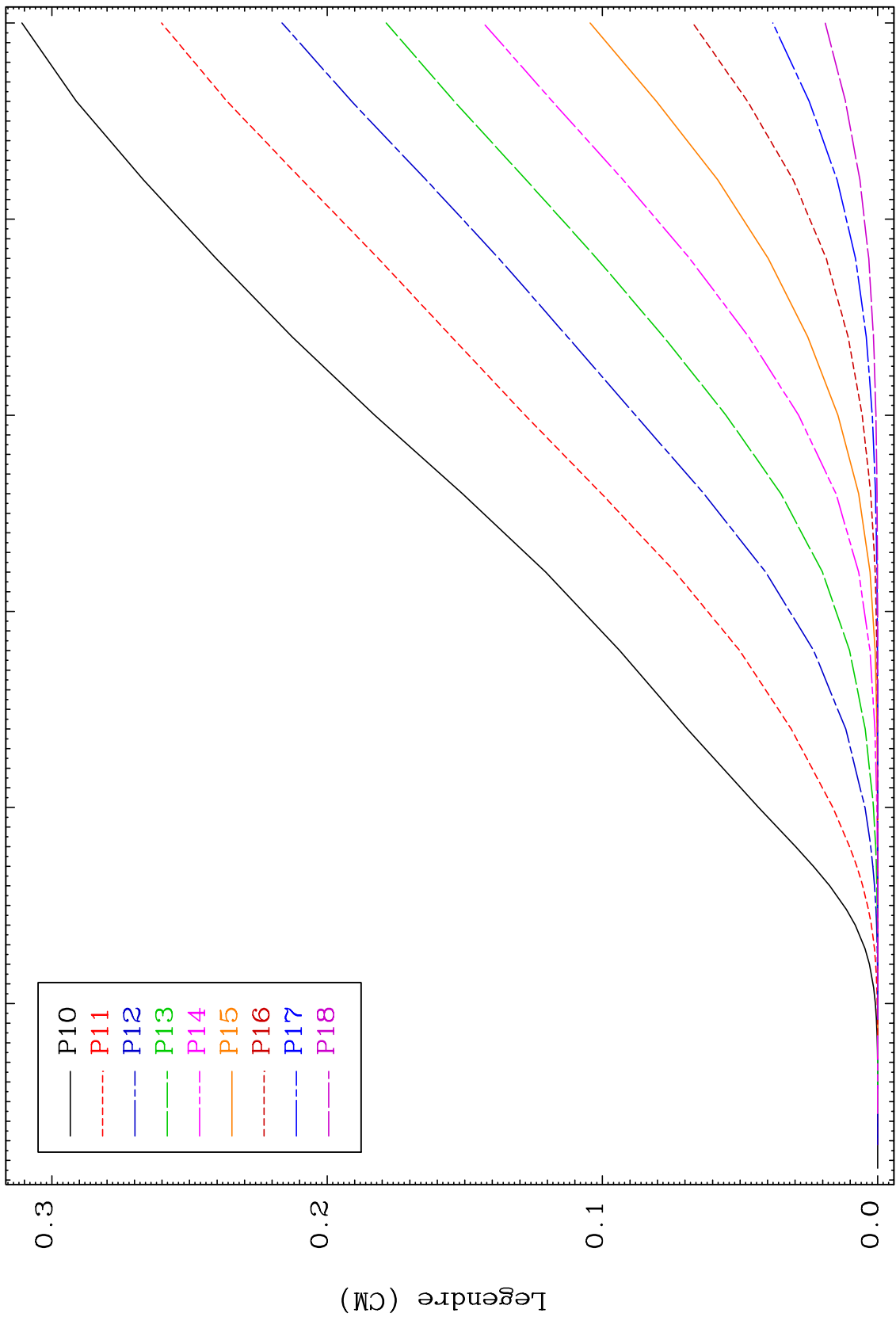
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



17

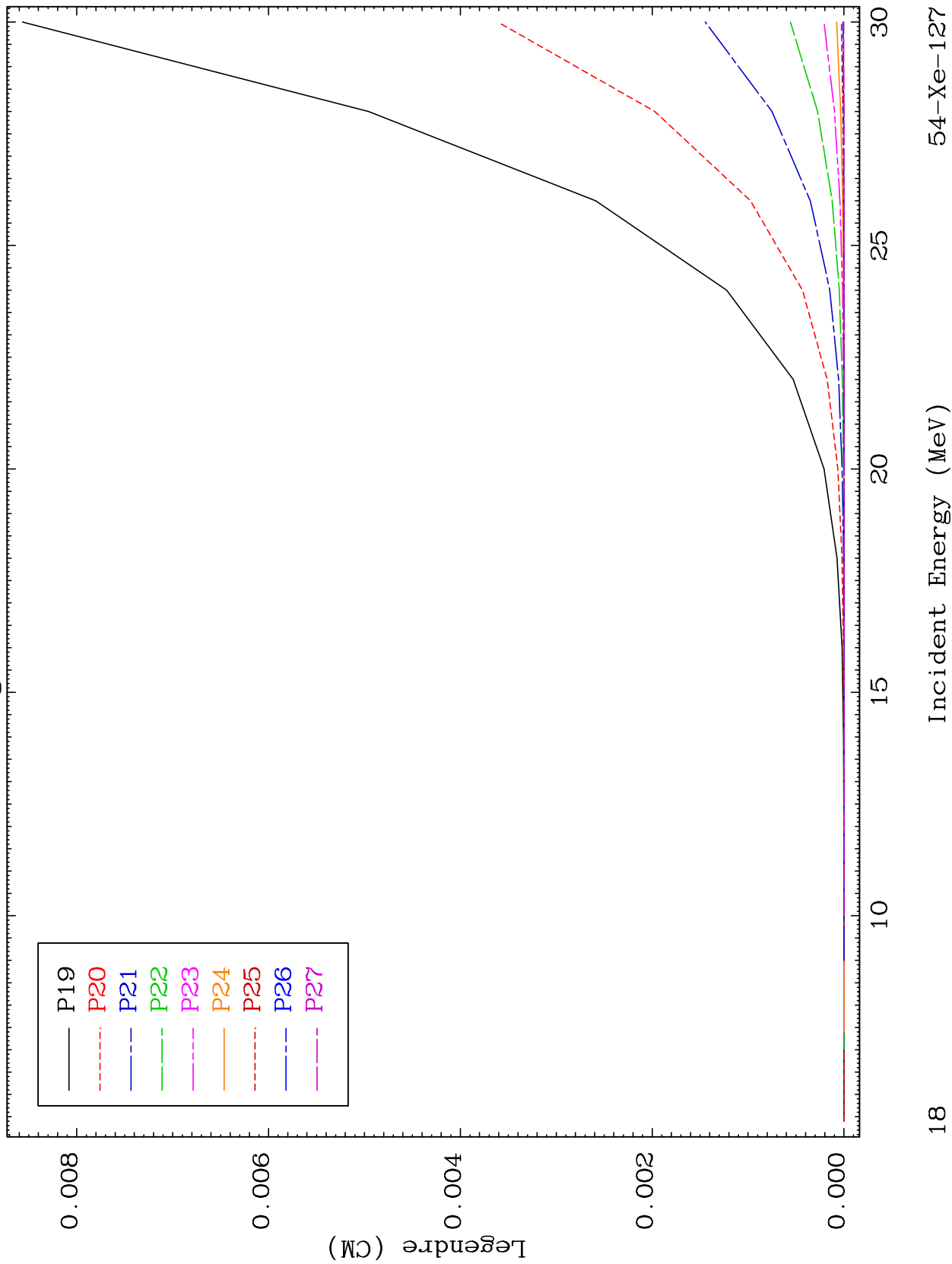
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic Legendre Coefficients

54-Xe-127



18

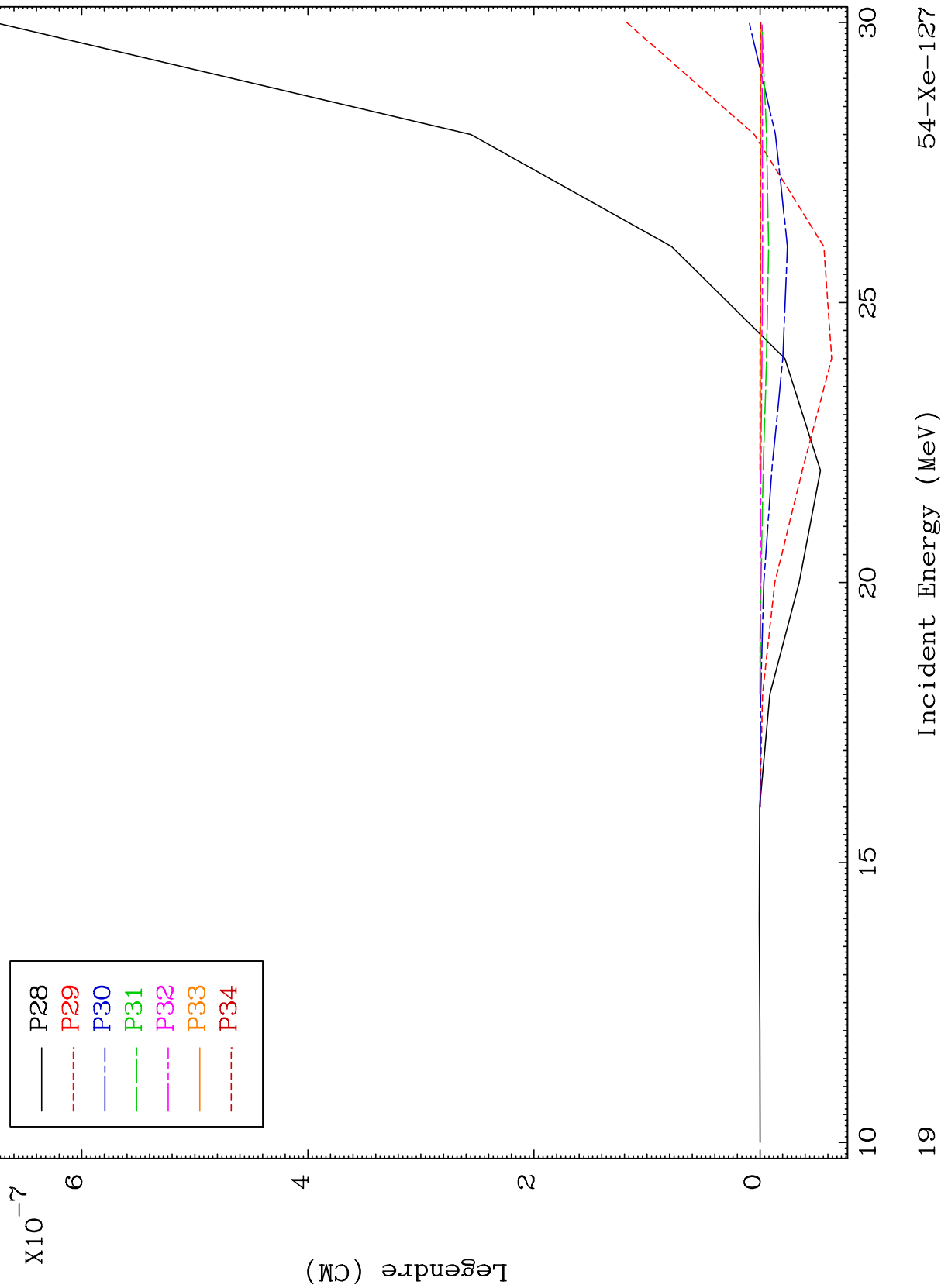
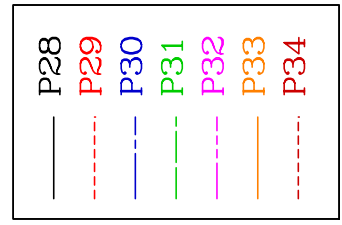
Incident Energy (MeV)

54-Xe-127

MAT 5434

Elastic
Legendre Coefficients

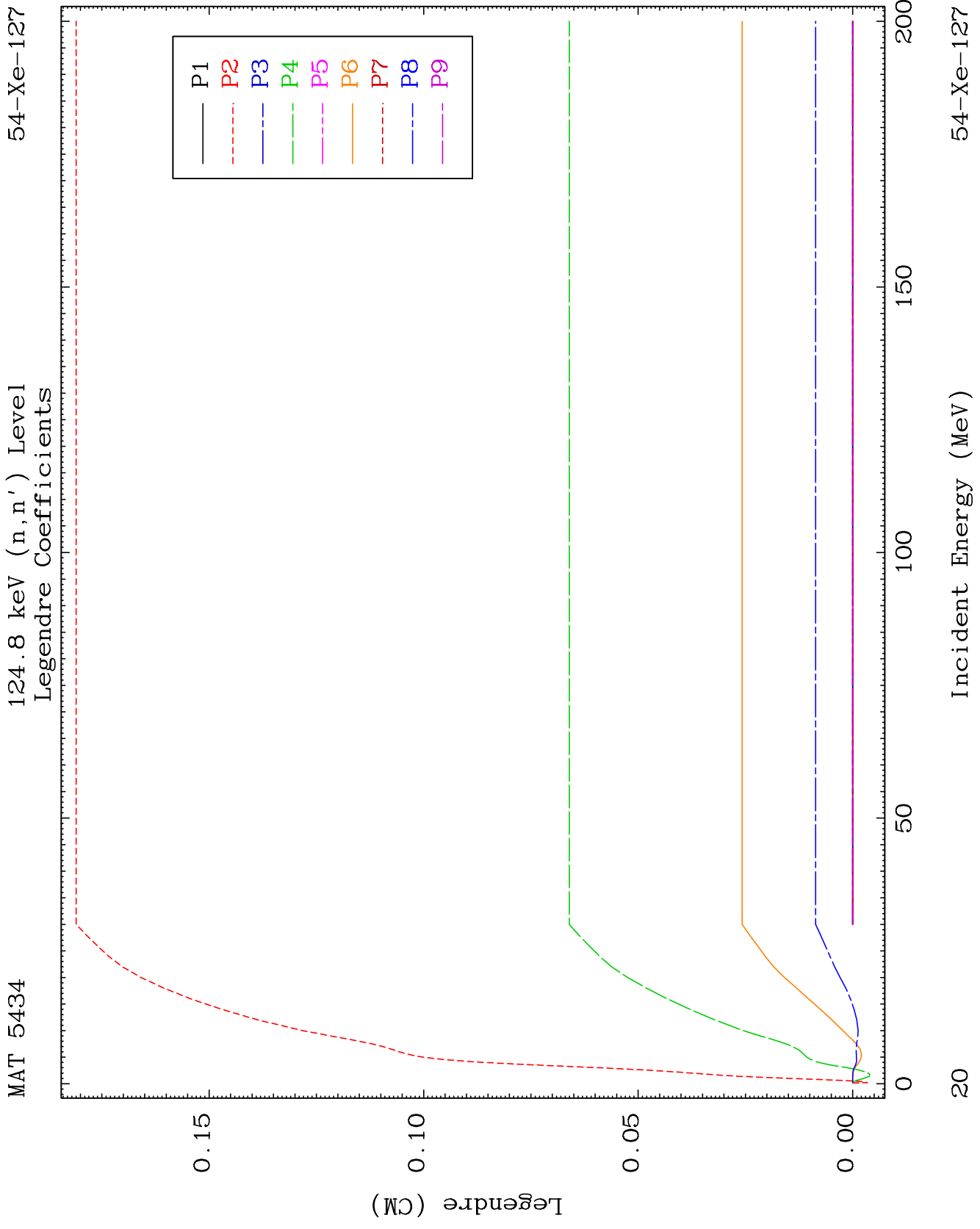
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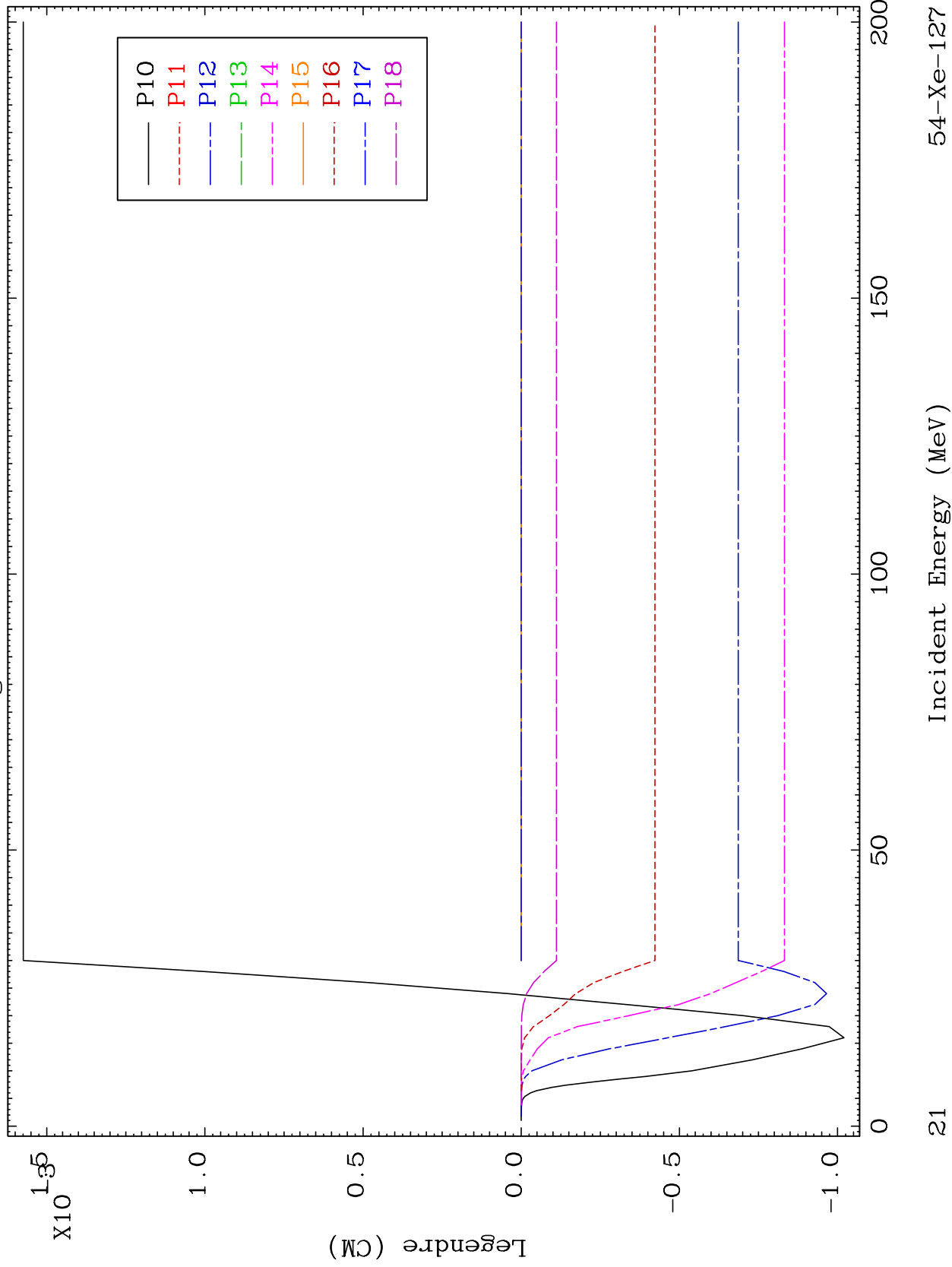


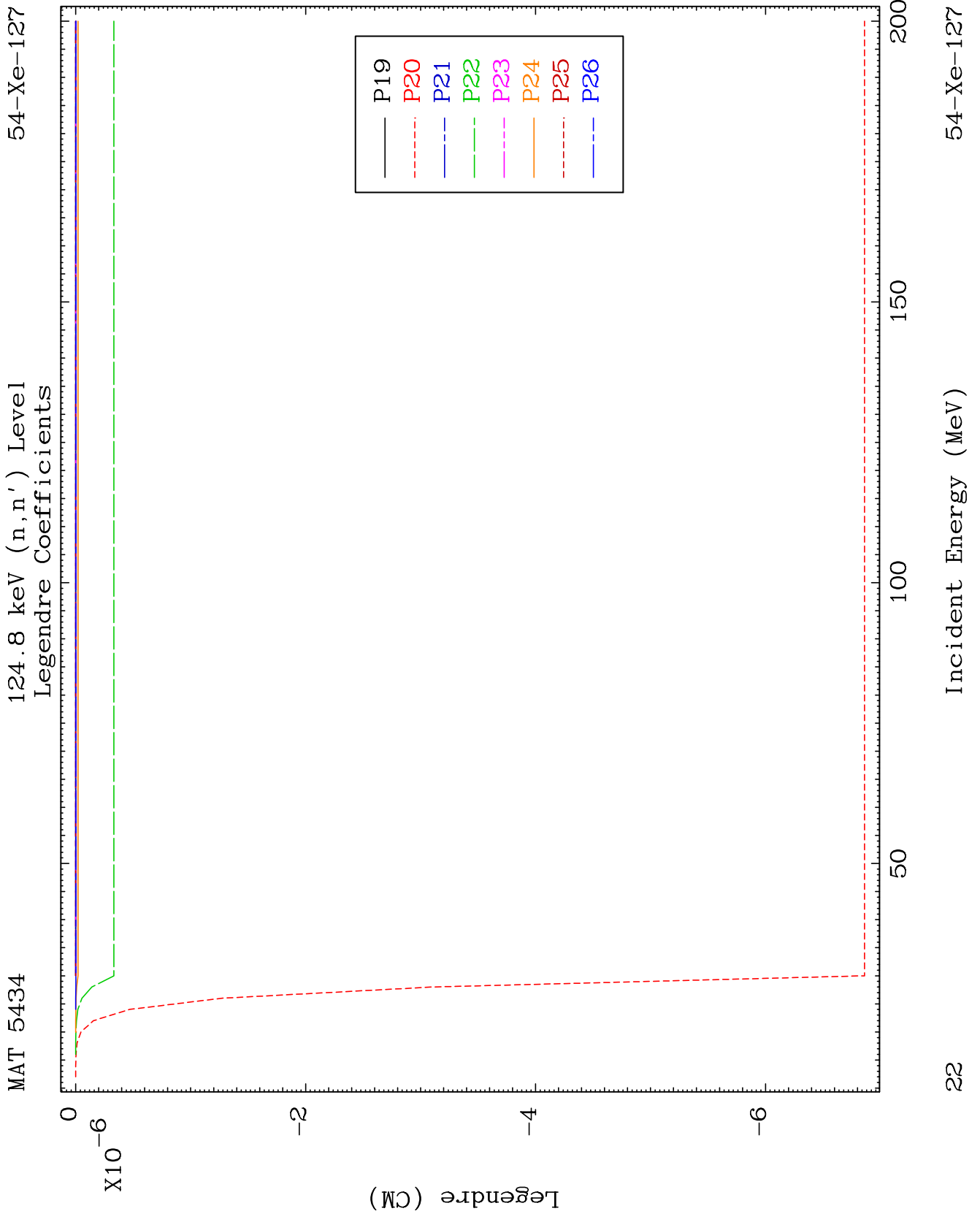
19

Incident Energy (MeV)

54-Xe-127



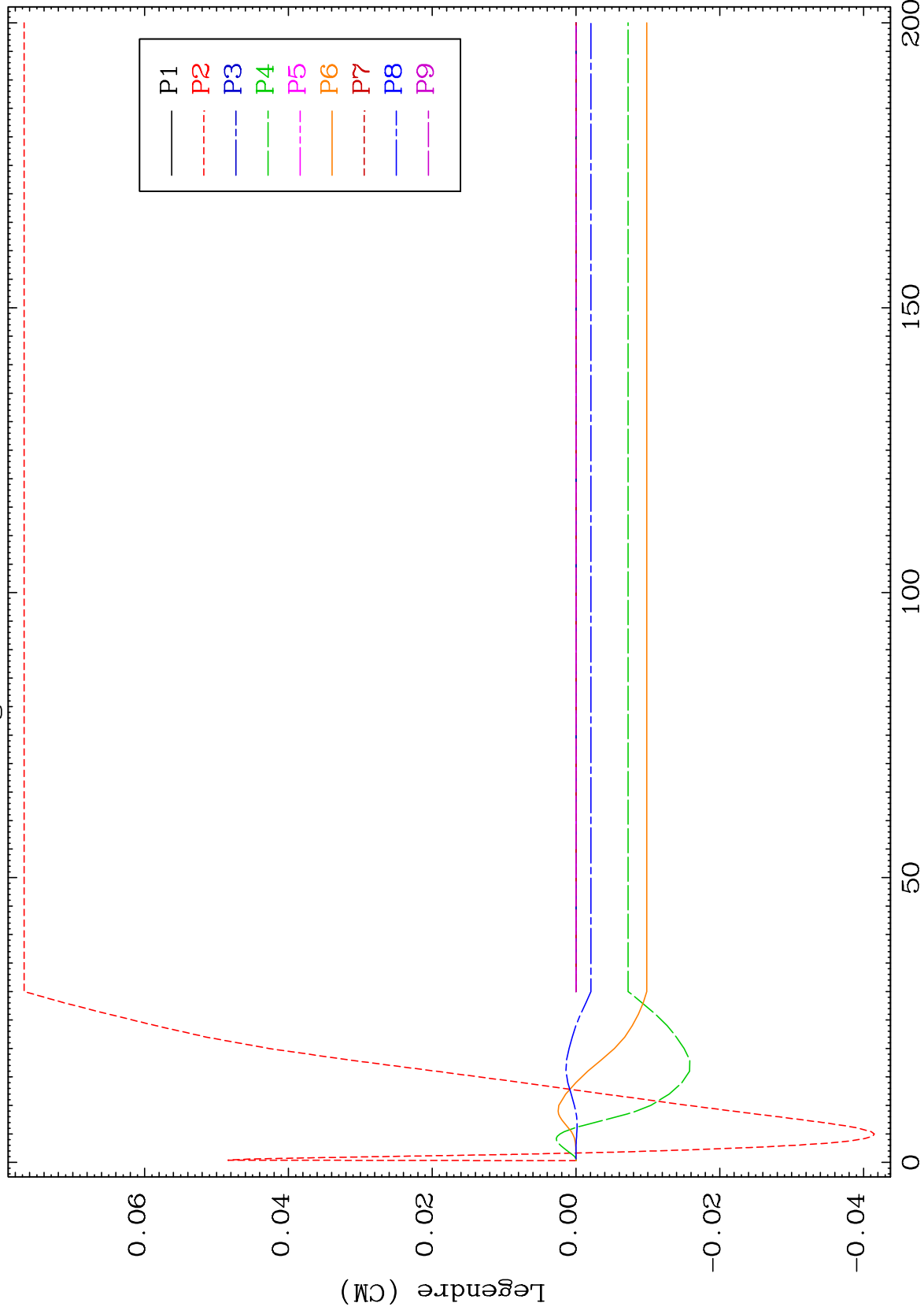




MAT 5434

297.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



23

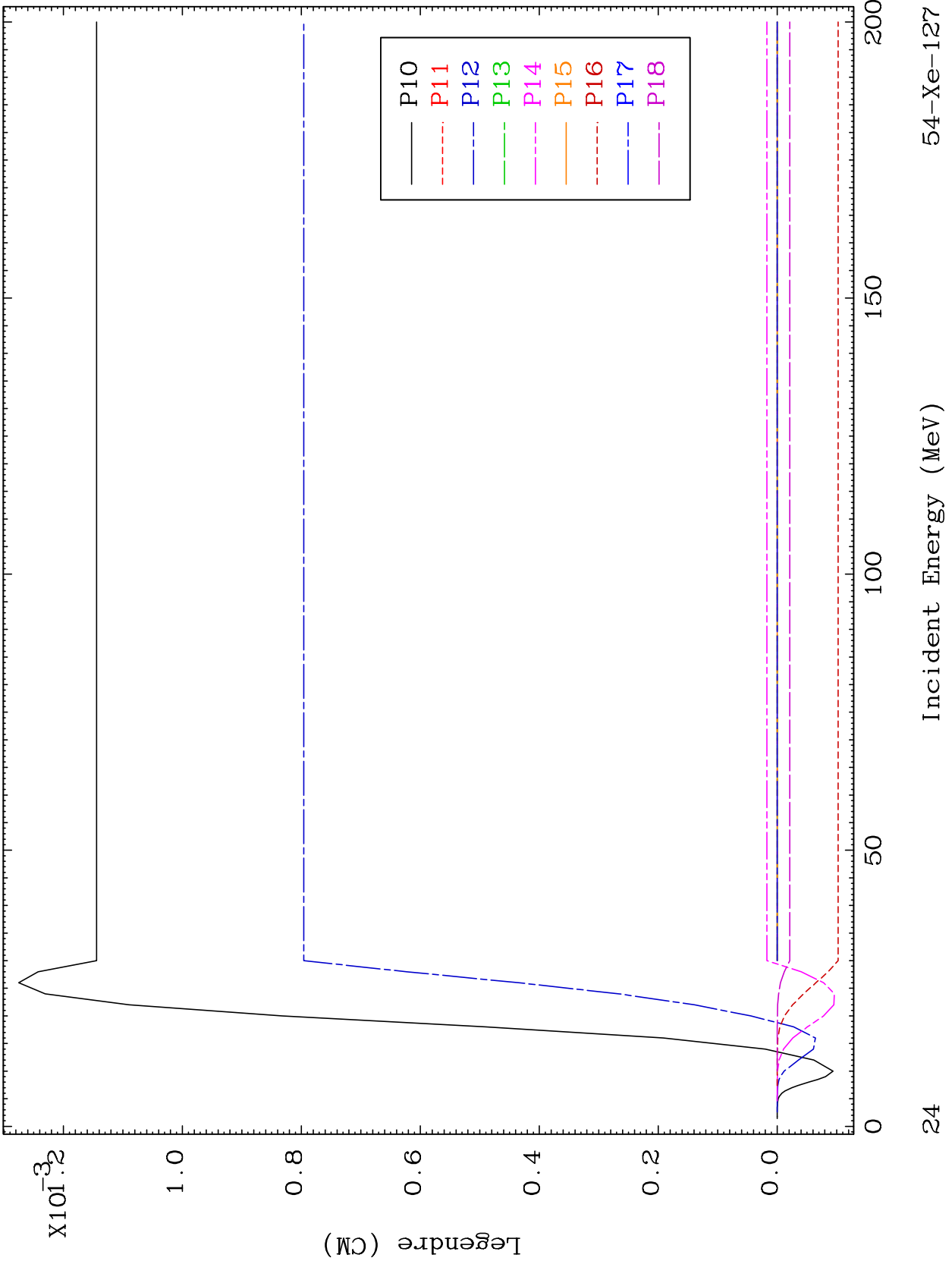
Incident Energy (MeV)

54-Xe-127

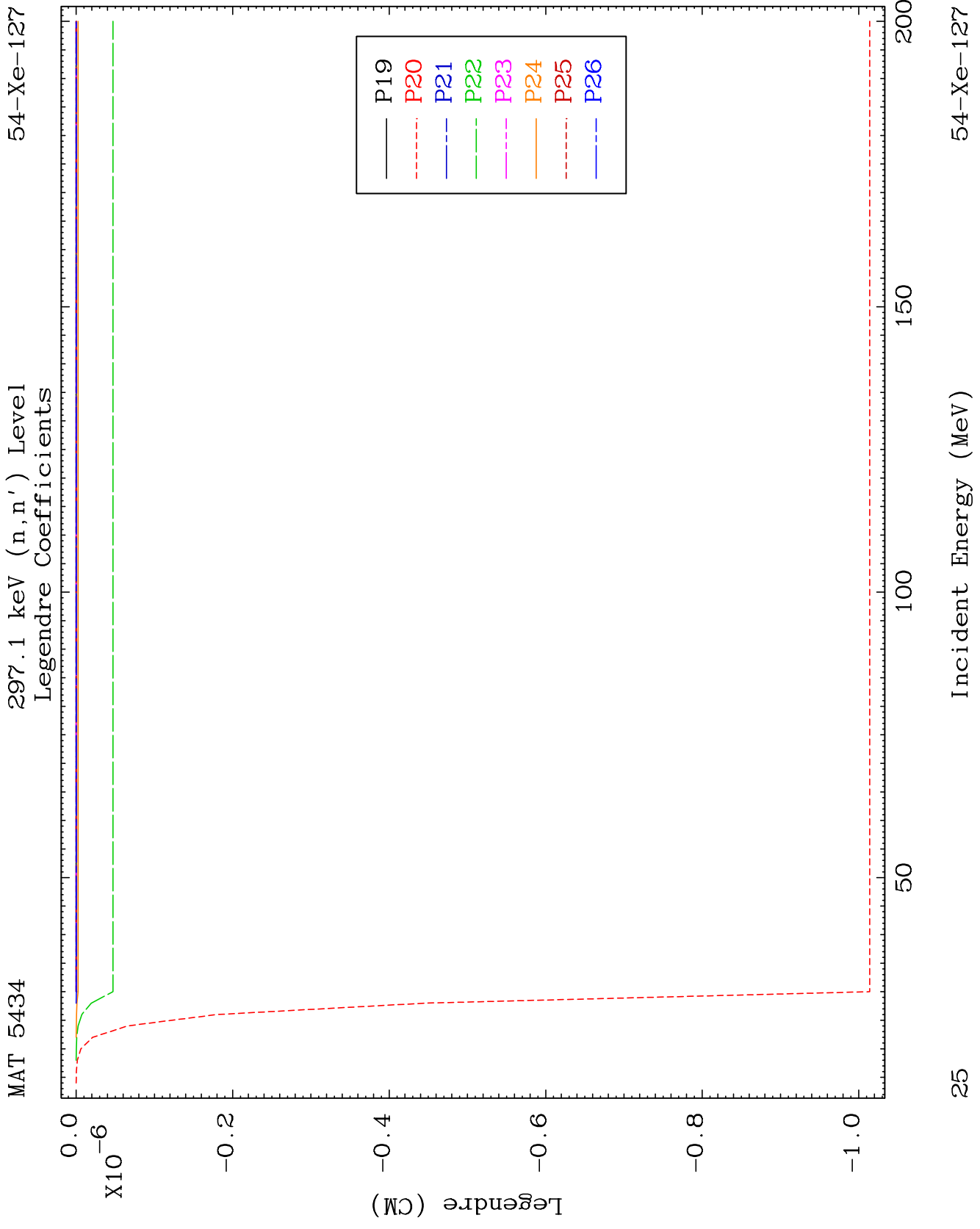
MAT 5434

297.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



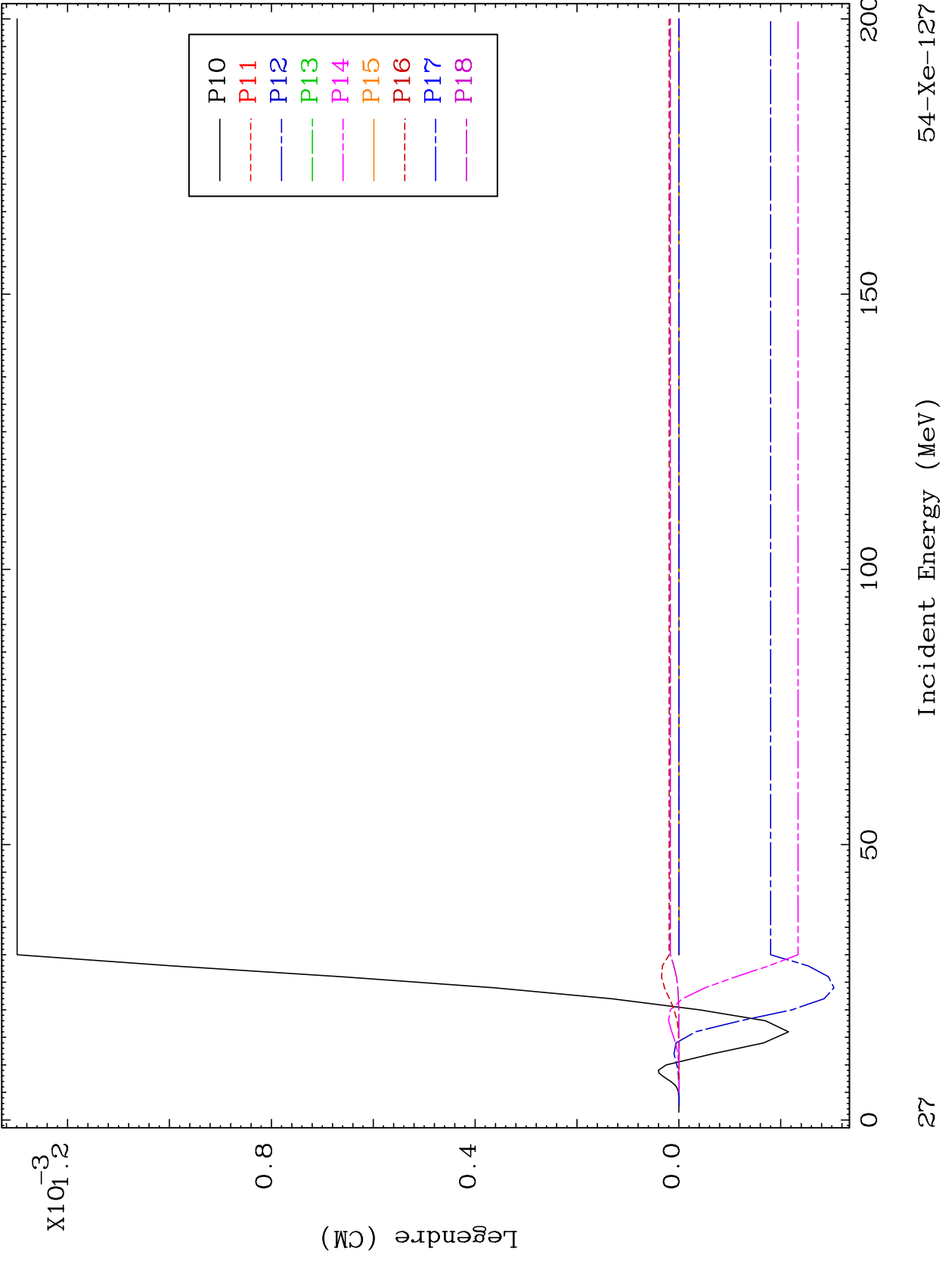
24

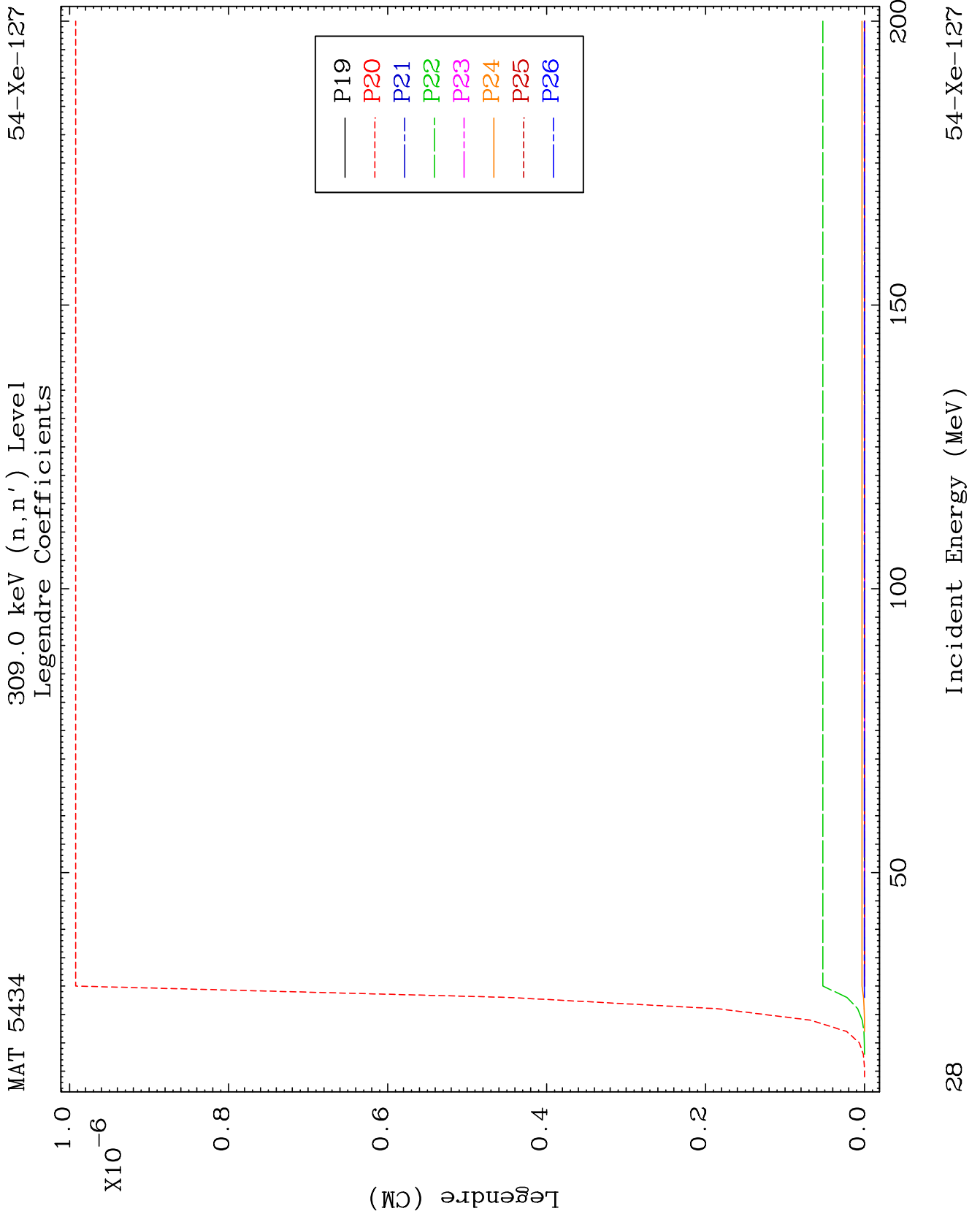


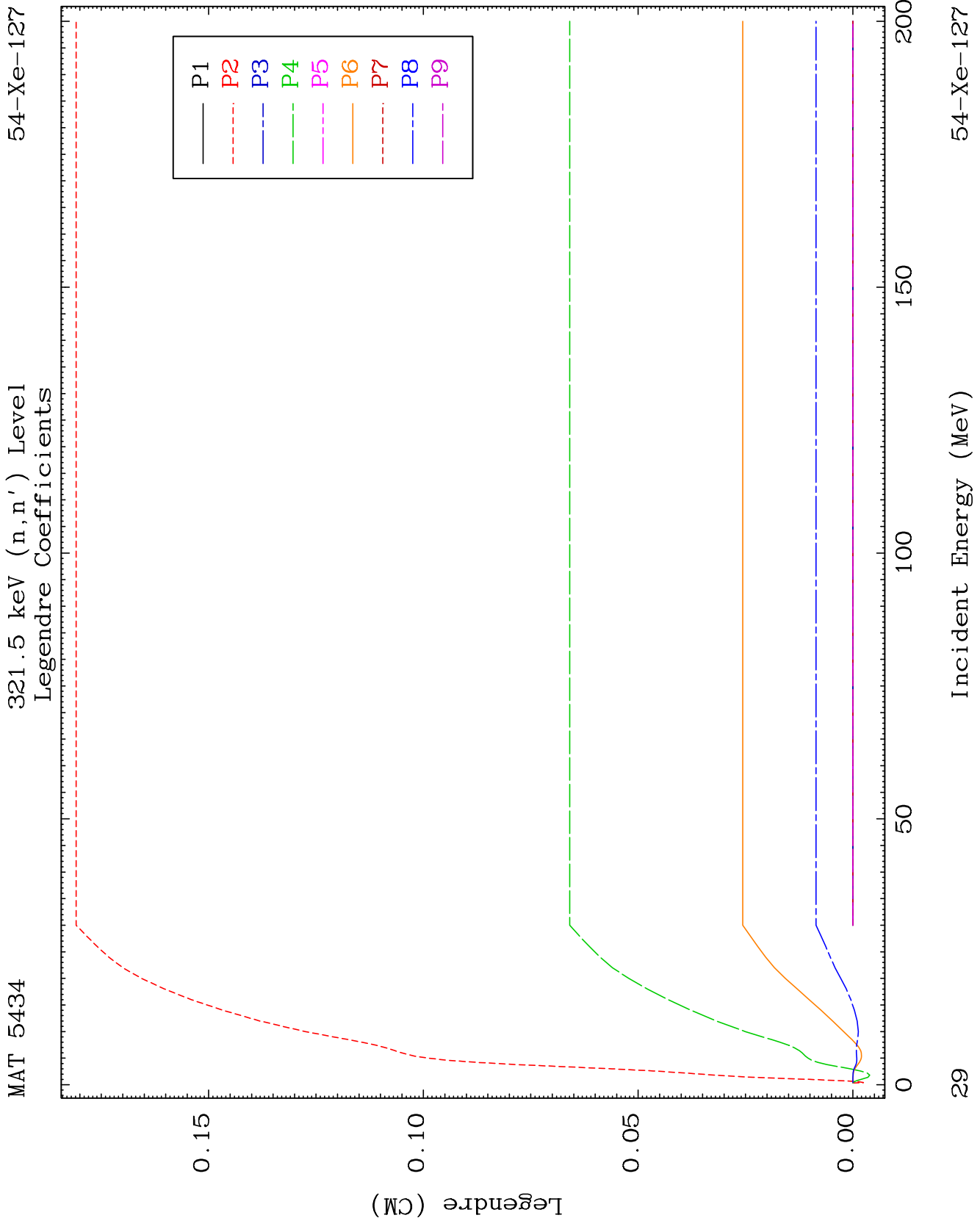
MAT 5434

309.0 keV (n,n') Level
Legendre Coefficients

54-Xe-127



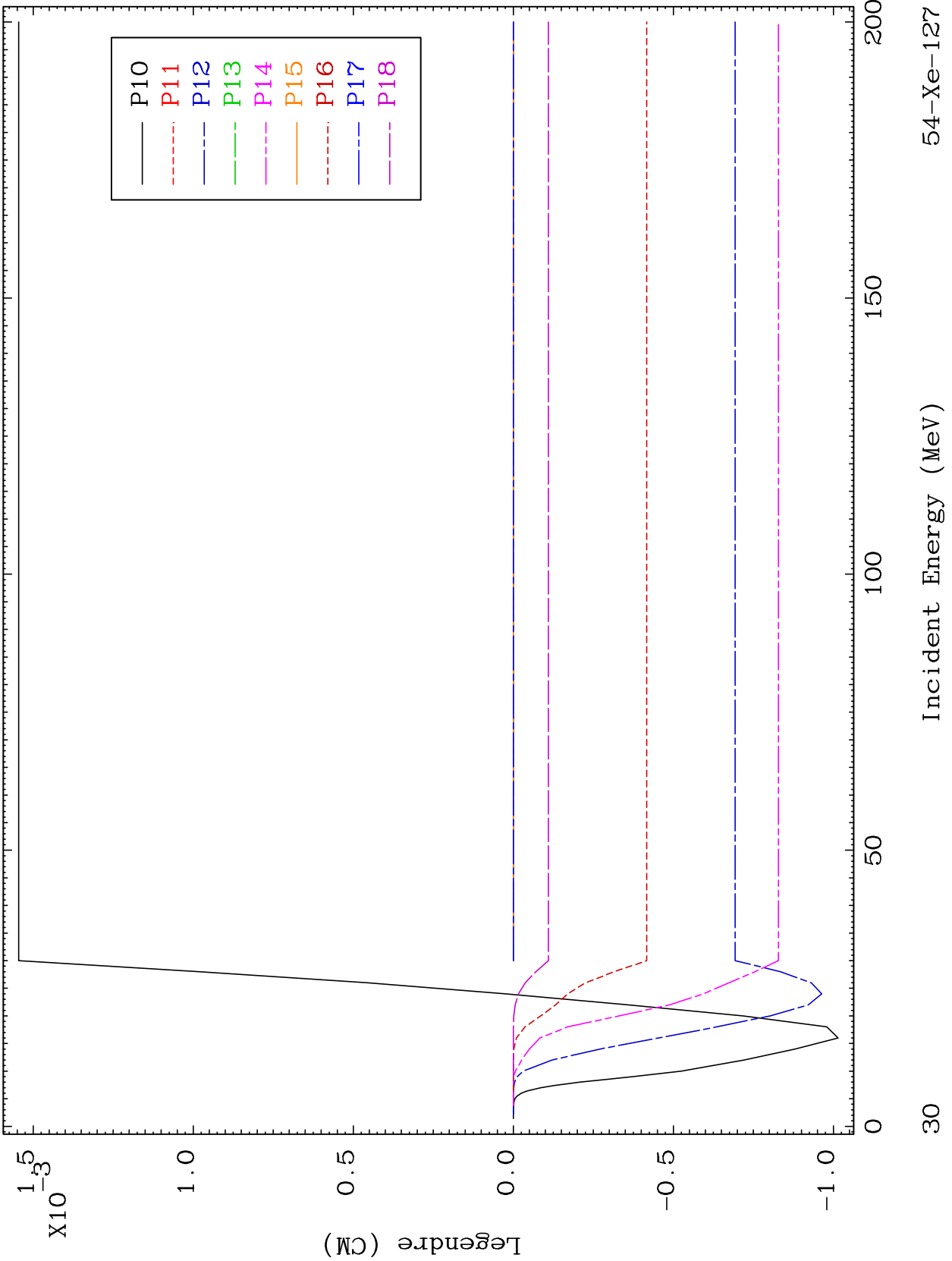




MAT 5434

321.5 keV (n,n') Level
Legendre Coefficients

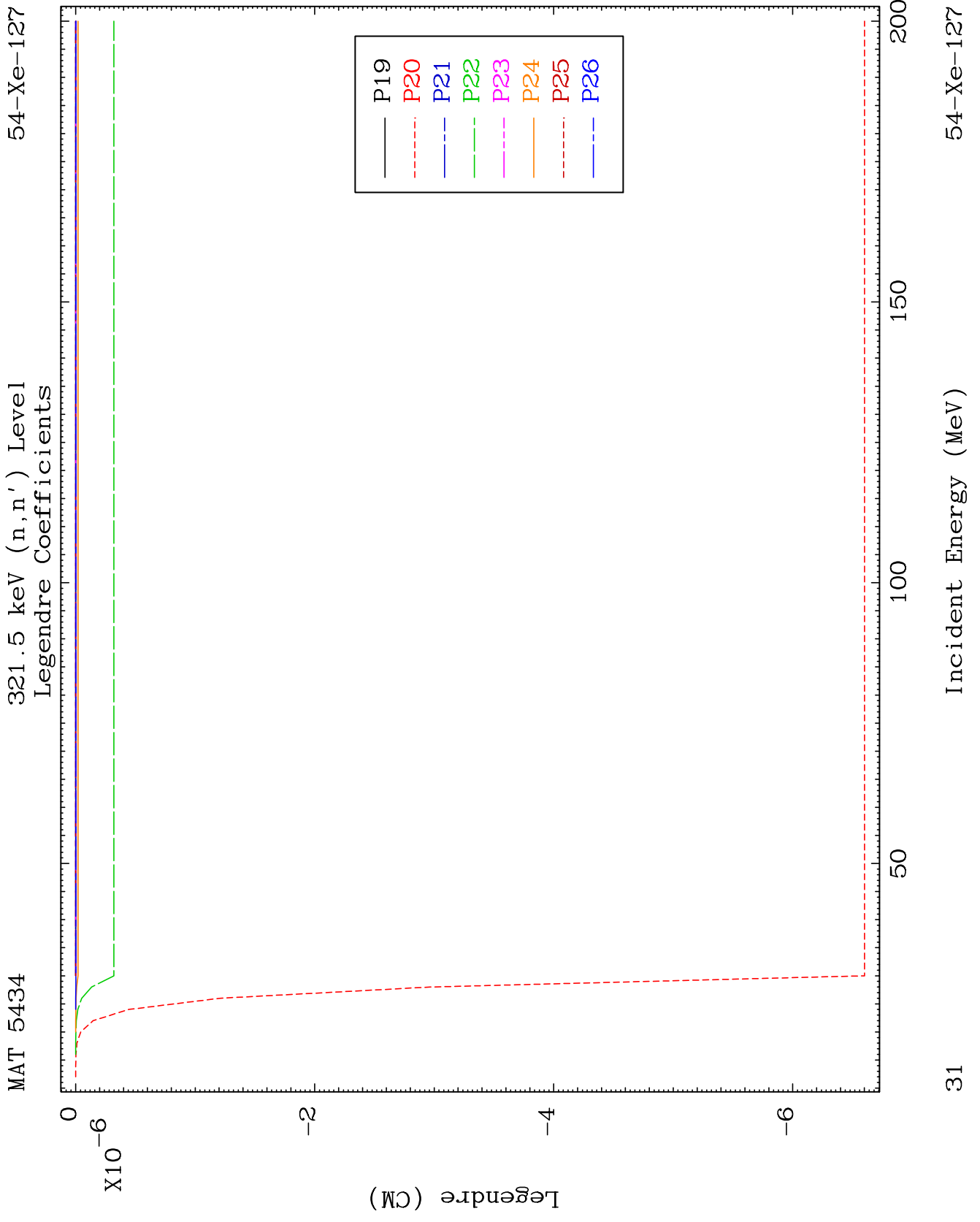
54-Xe-127

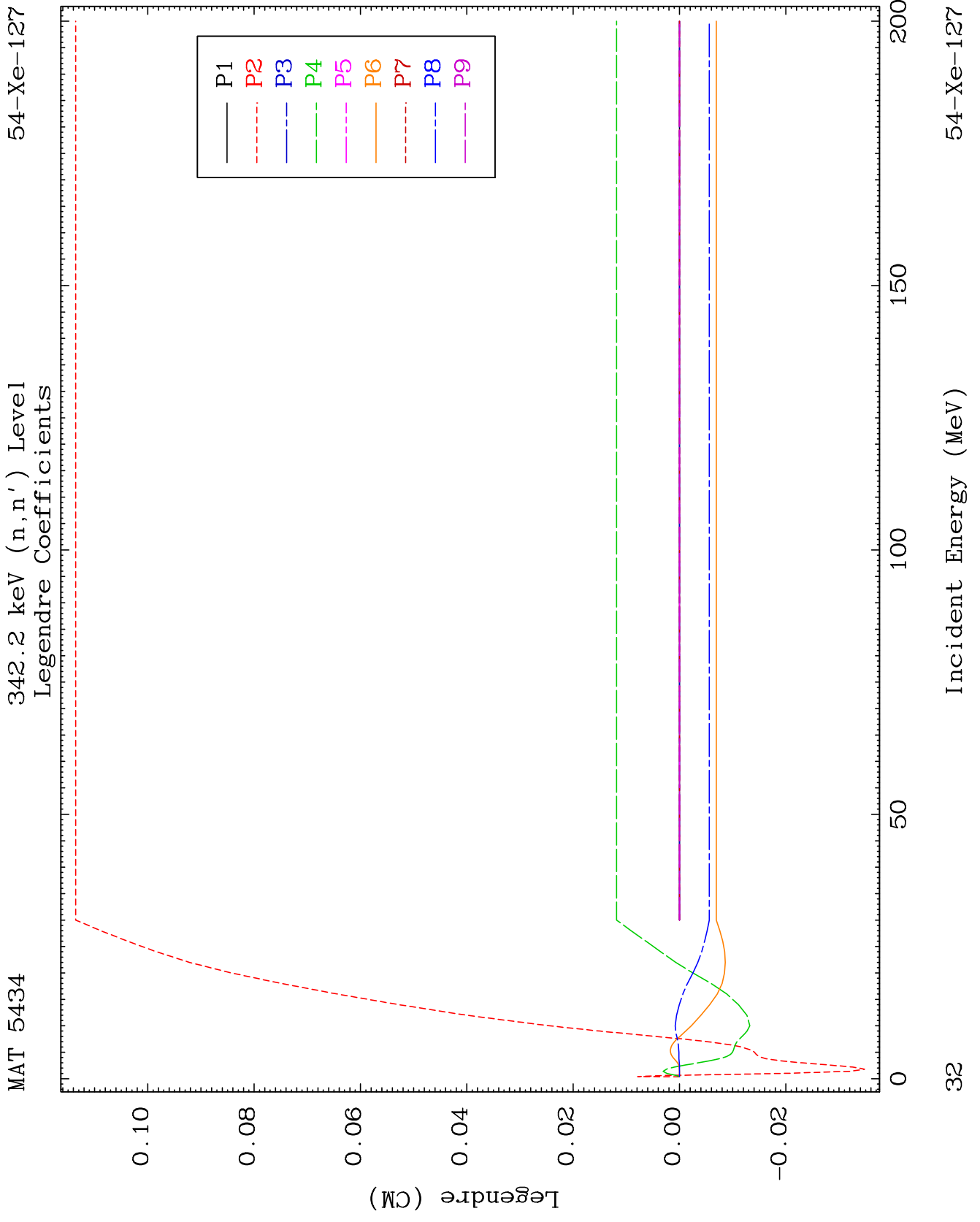


54-Xe-127

Incident Energy (MeV)

30

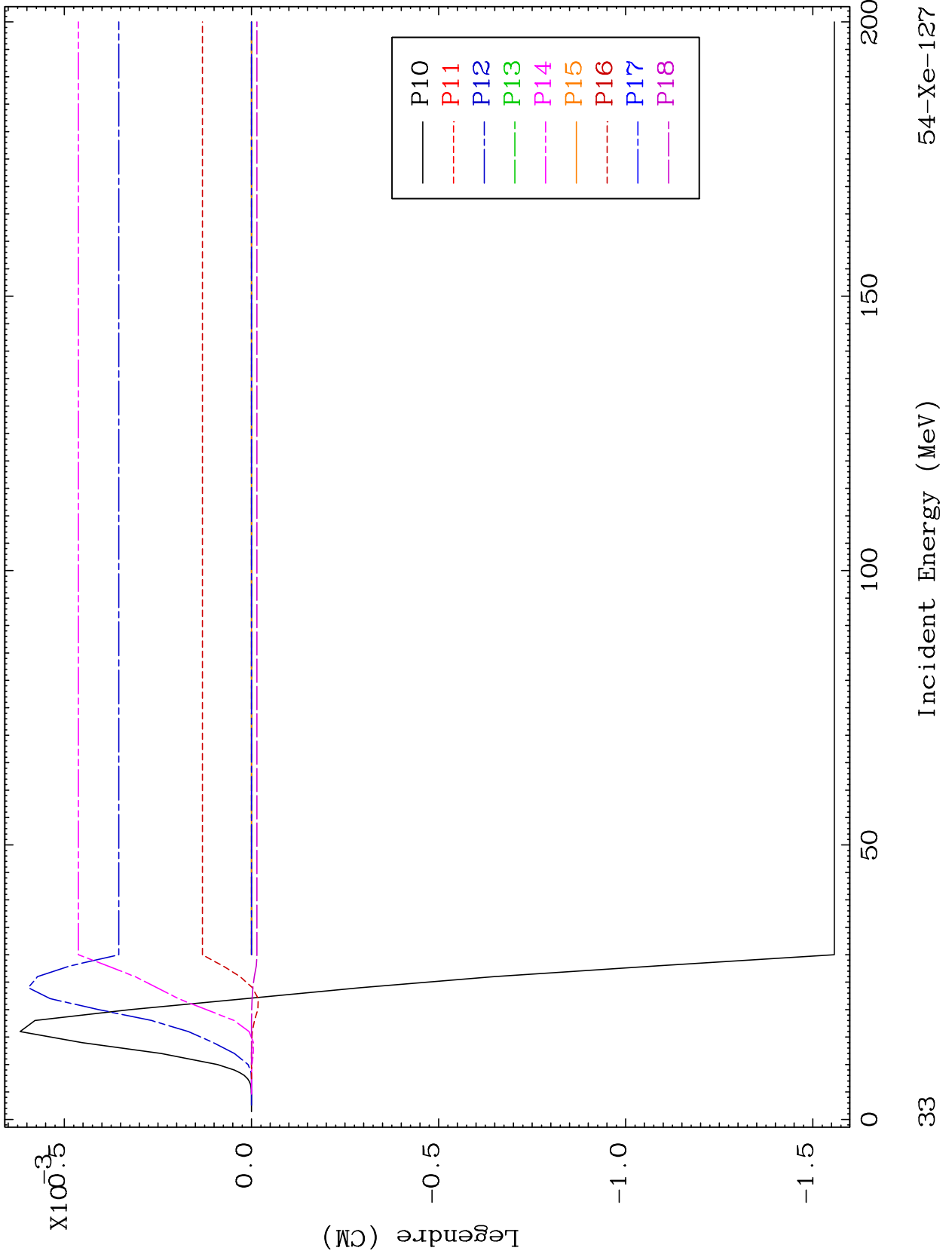




MAT 5434

342.2 keV (n,n') Level
Legendre Coefficients

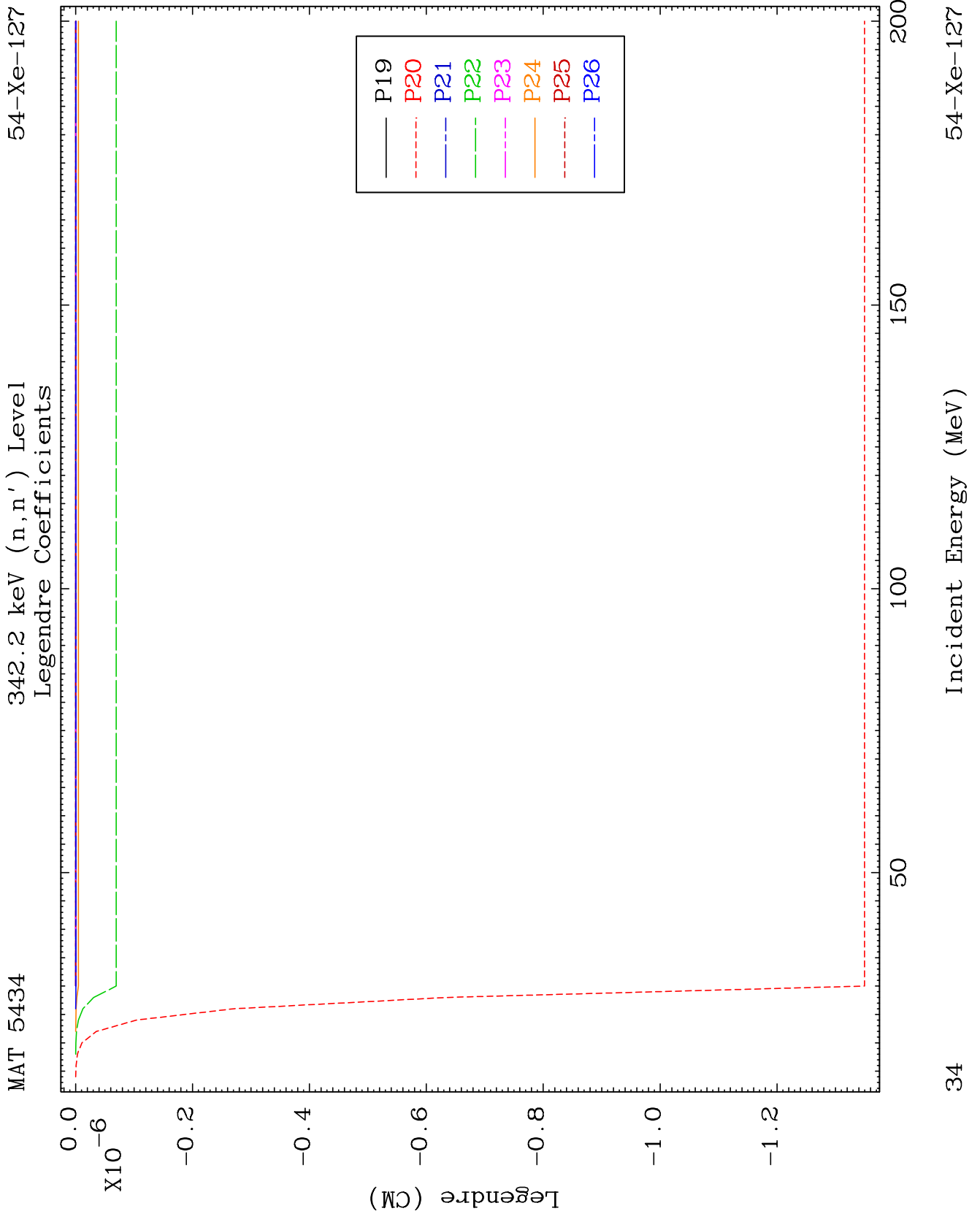
54-Xe-127



33

Incident Energy (MeV)

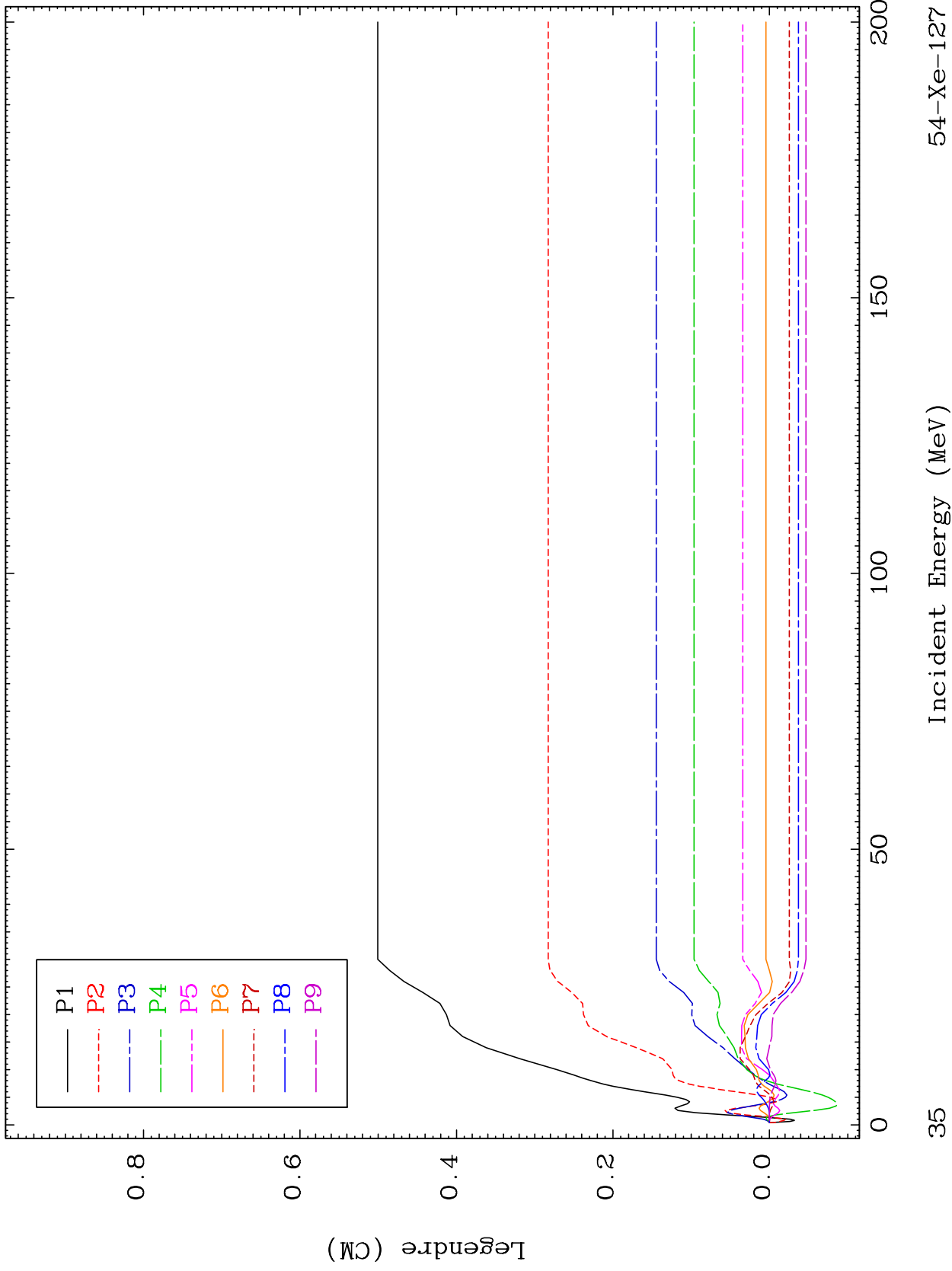
54-Xe-127



MAT 5434

375.5 keV (n,n') Level
Legendre Coefficients

54-Xe-127



54-Xe-127

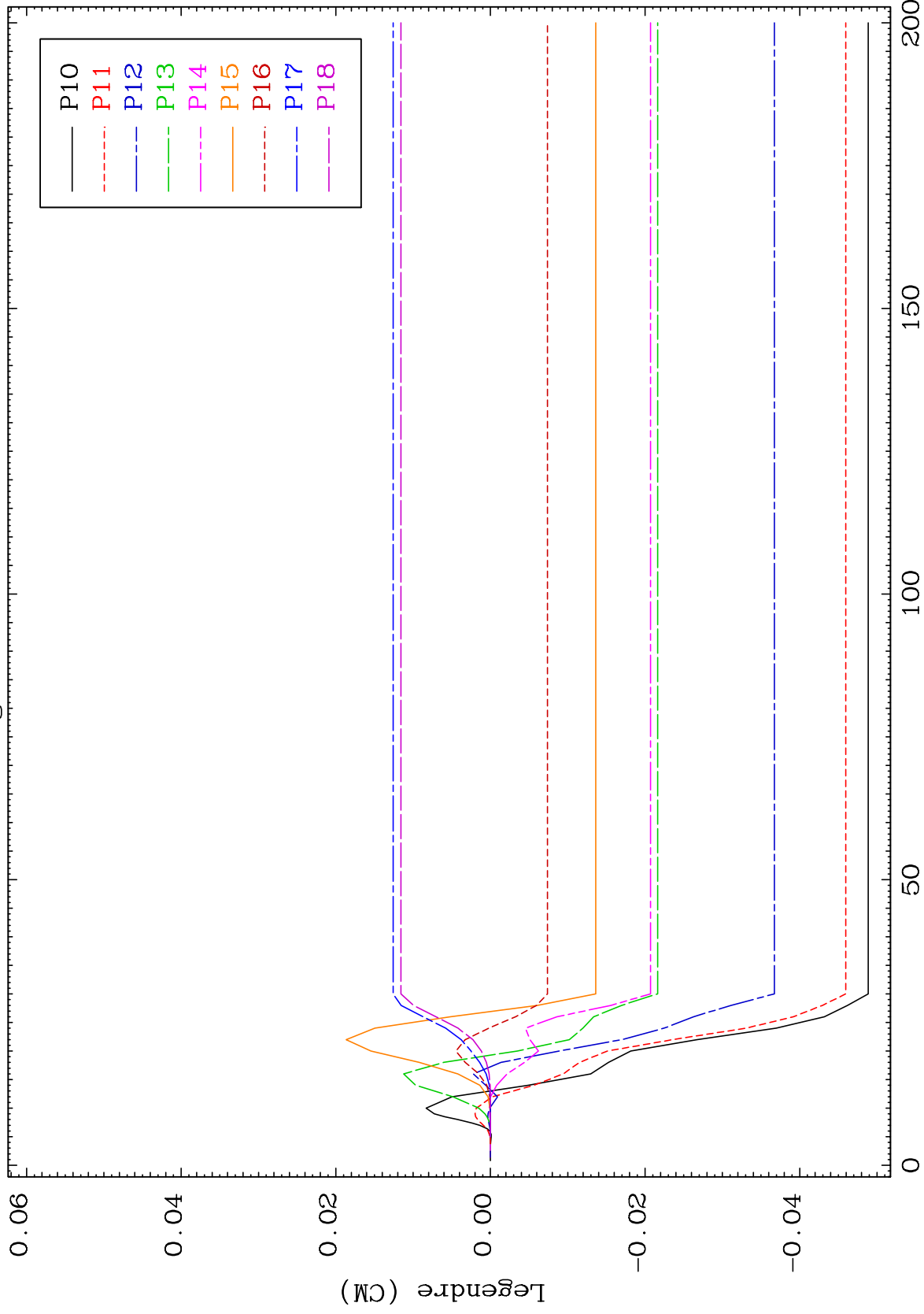
Incident Energy (MeV)

35

MAT 5434

375.5 keV (n,n') Level
Legendre Coefficients

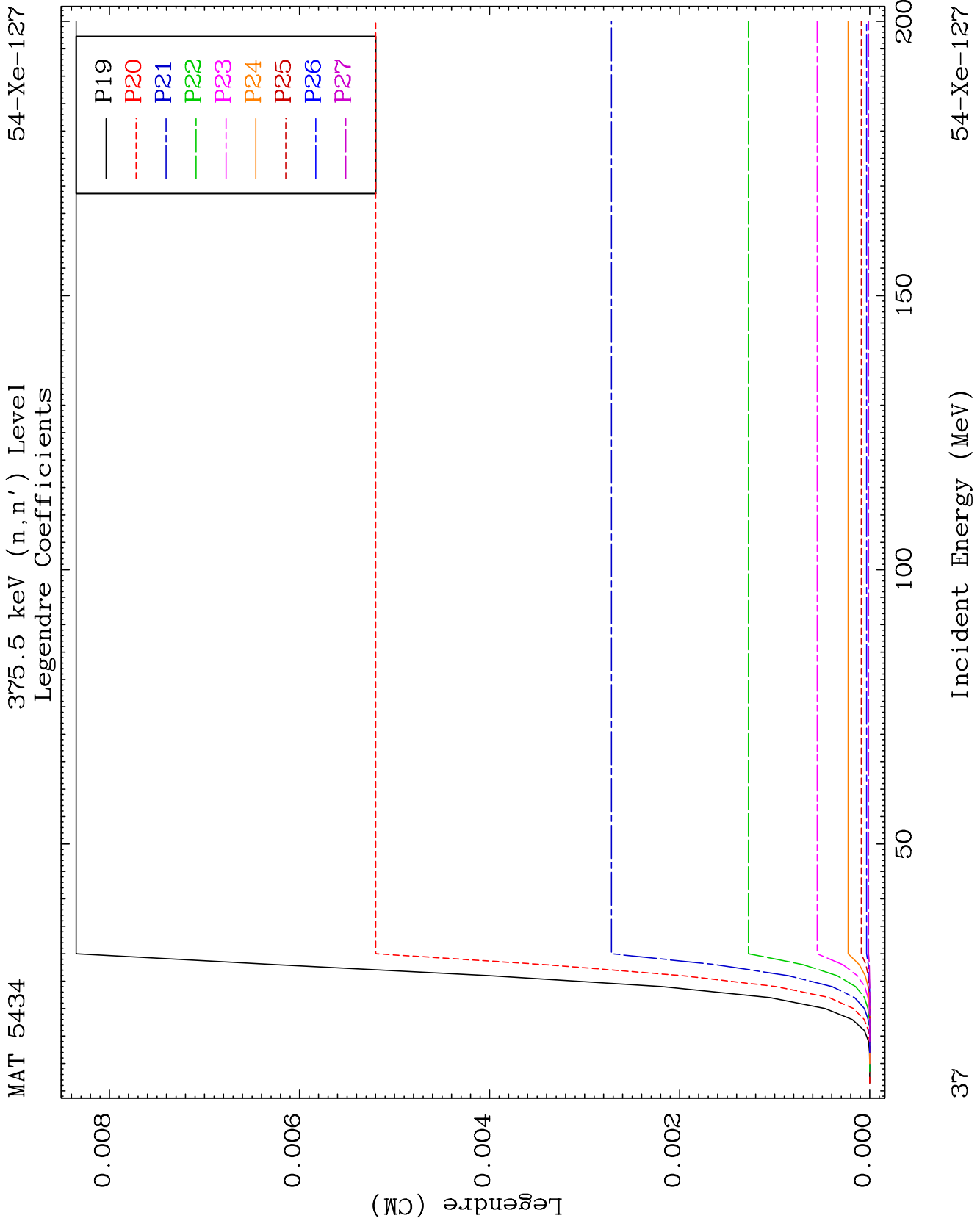
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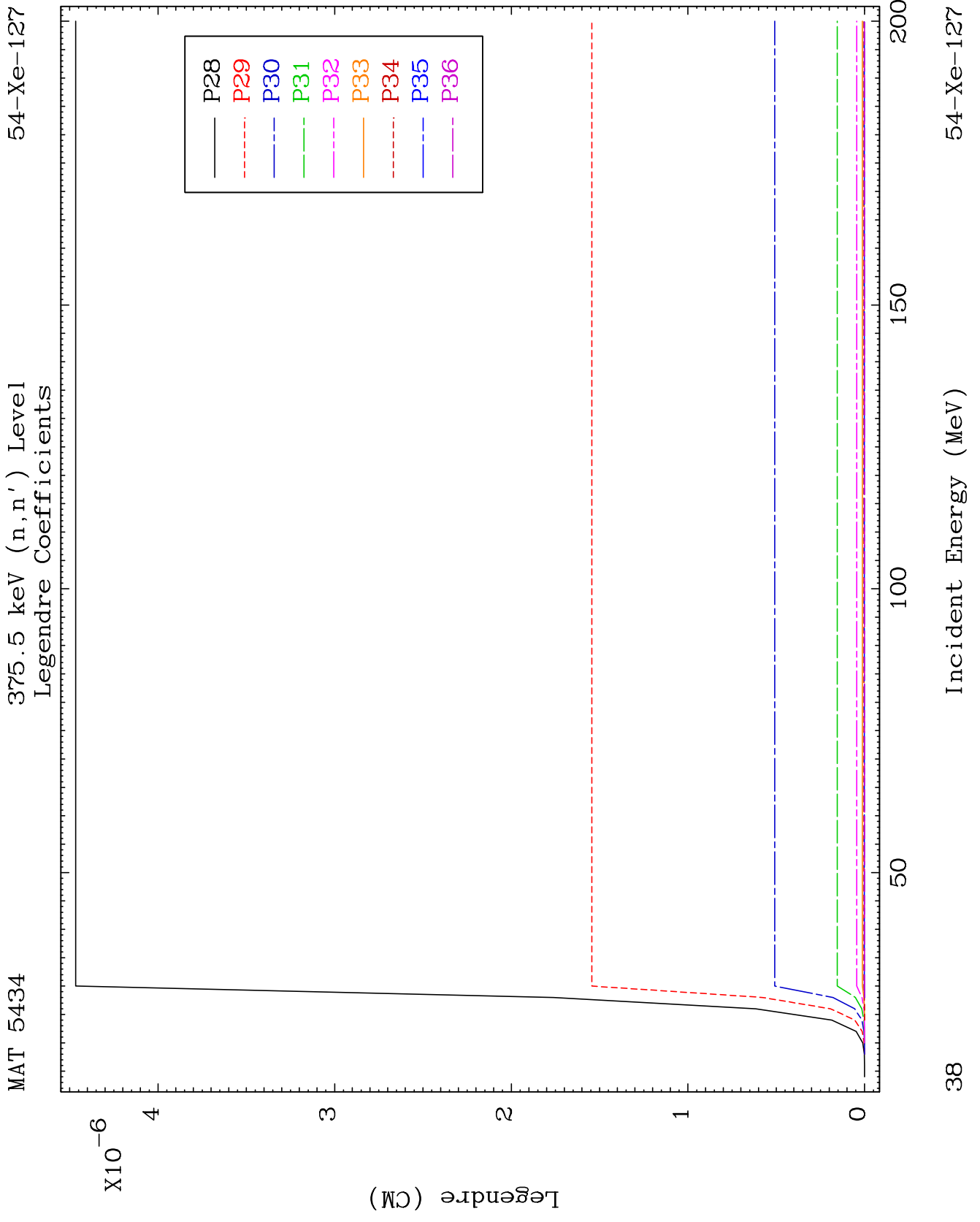


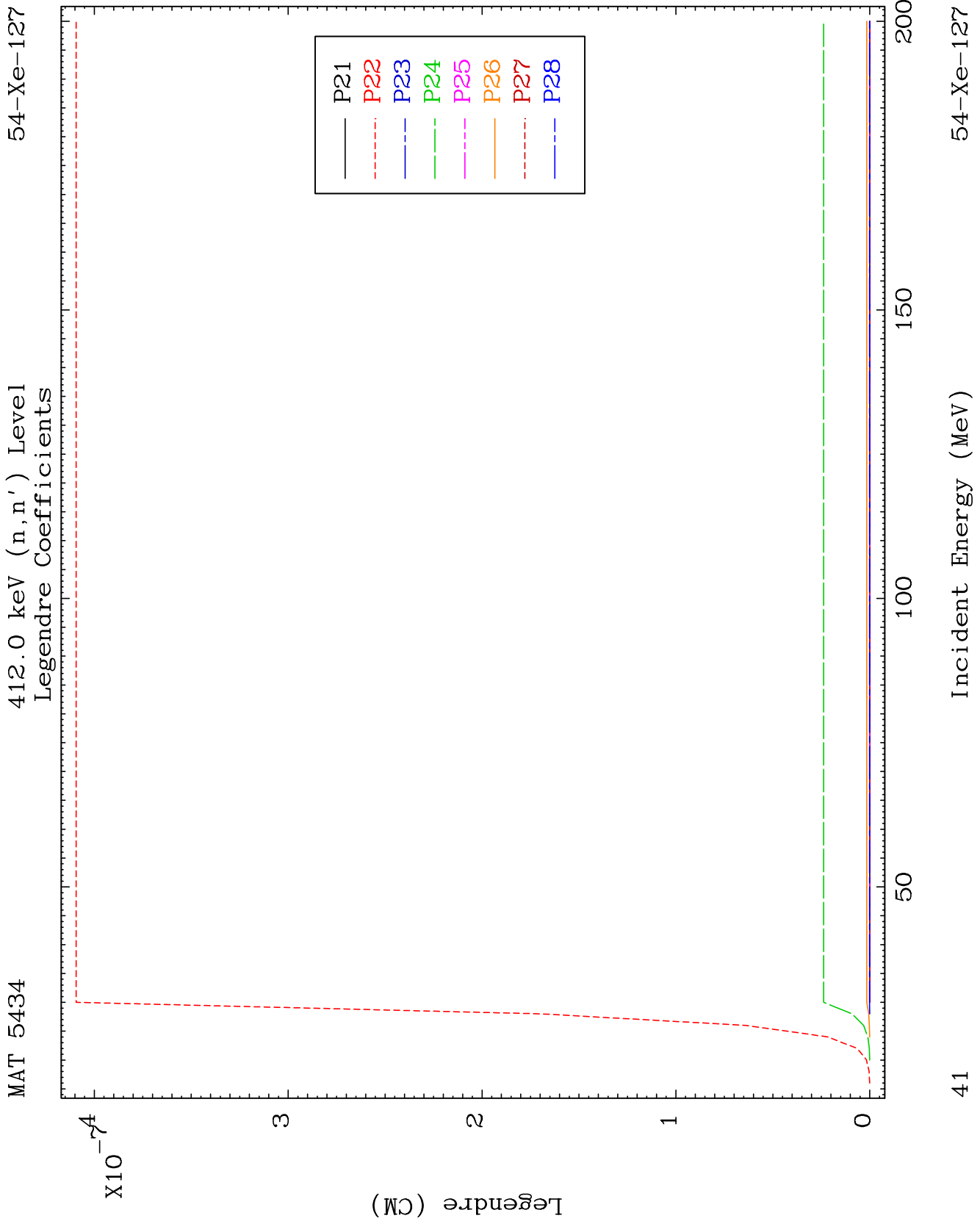
36

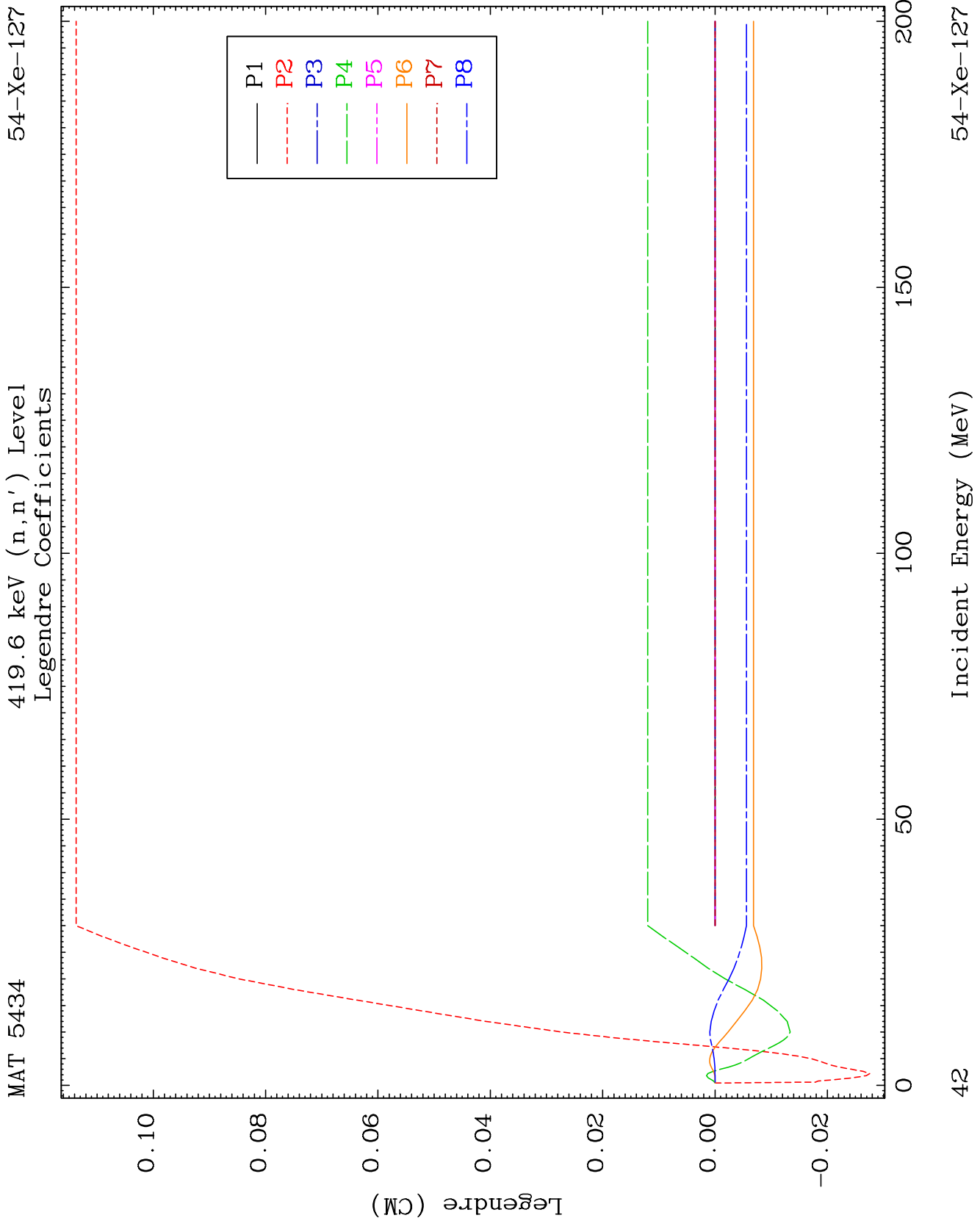
Incident Energy (MeV)

54-Xe-127





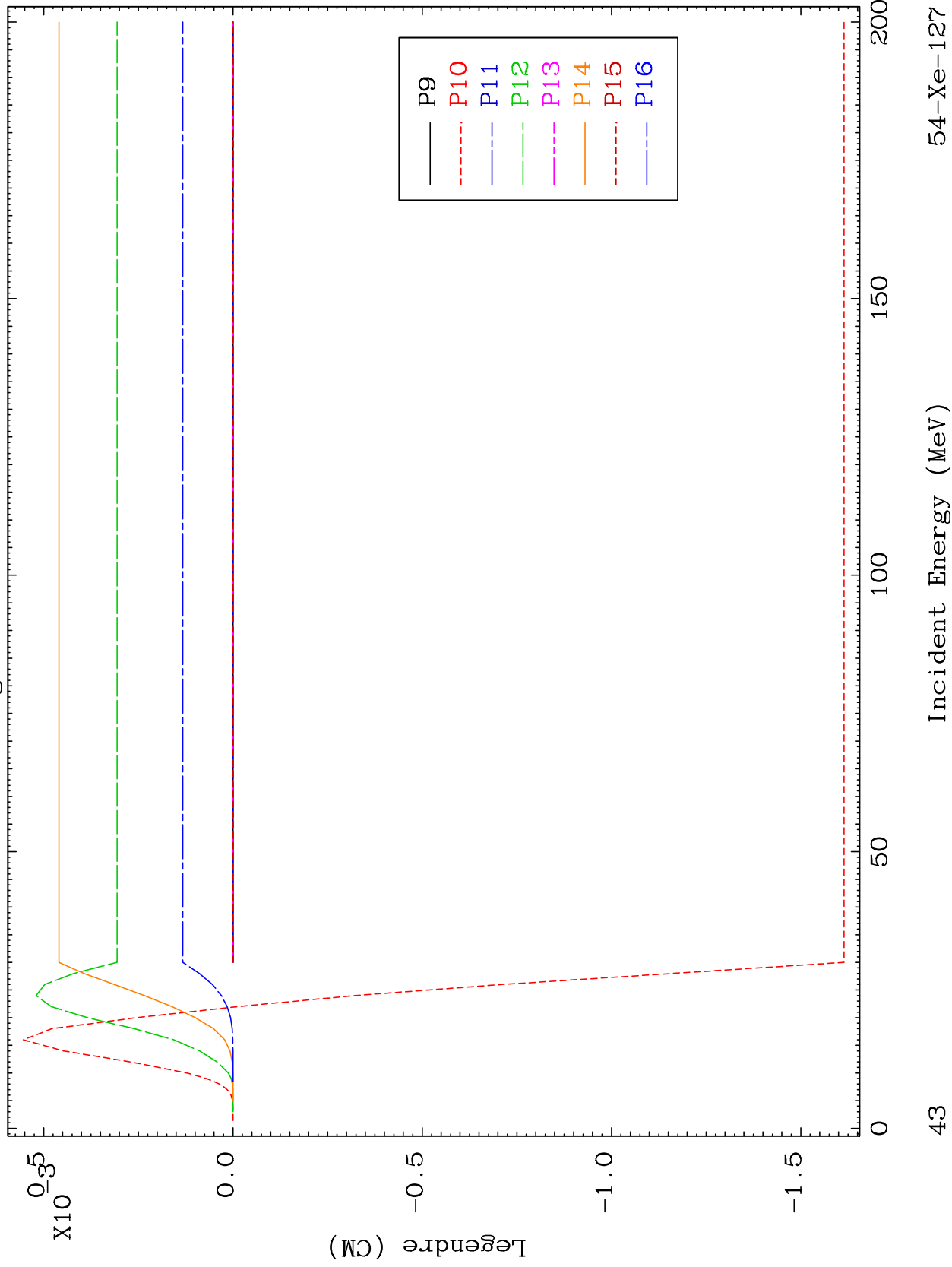




MAT 5434

419.6 keV (n,n') Level
Legendre Coefficients

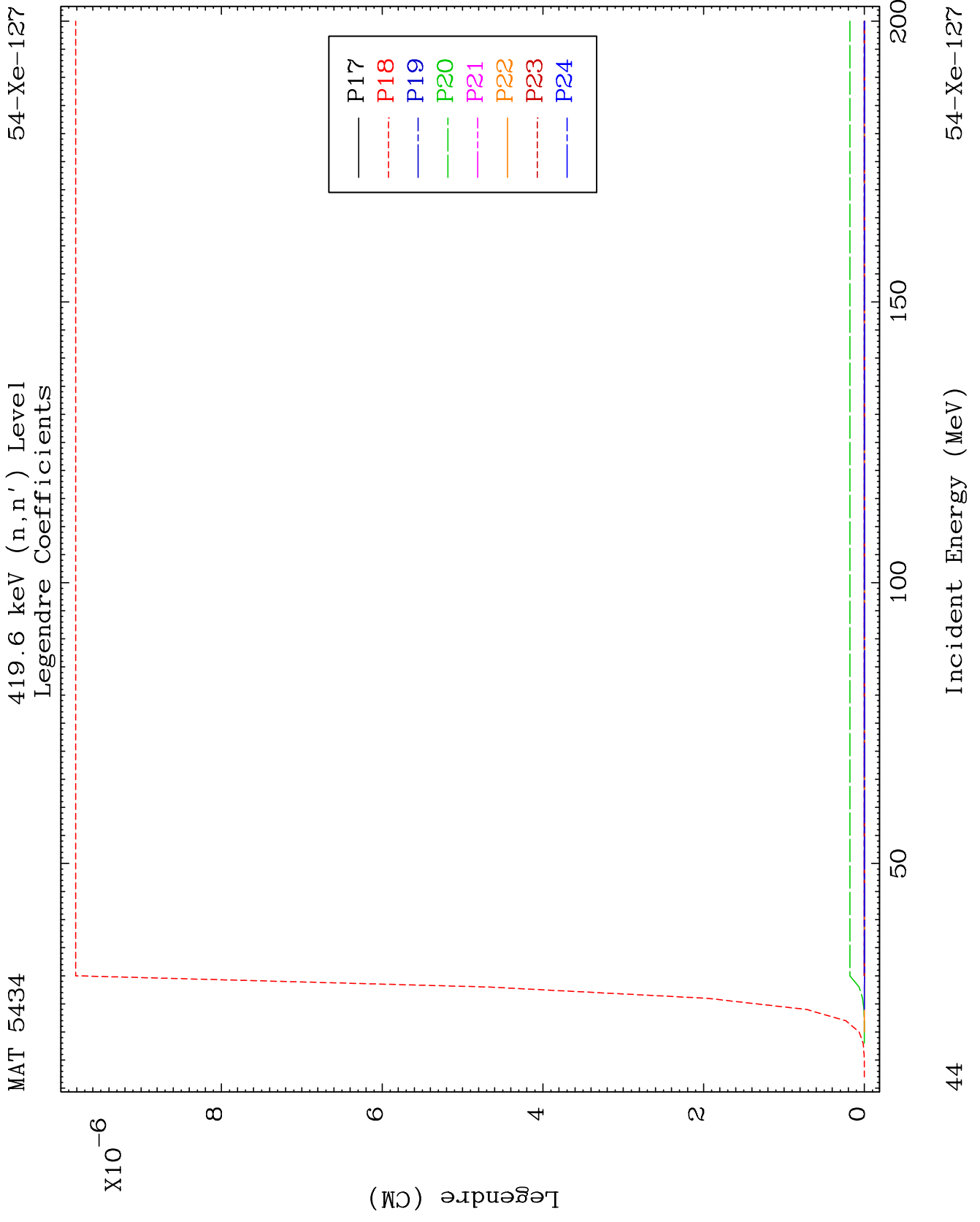
54-Xe-127



43

Incident Energy (MeV)

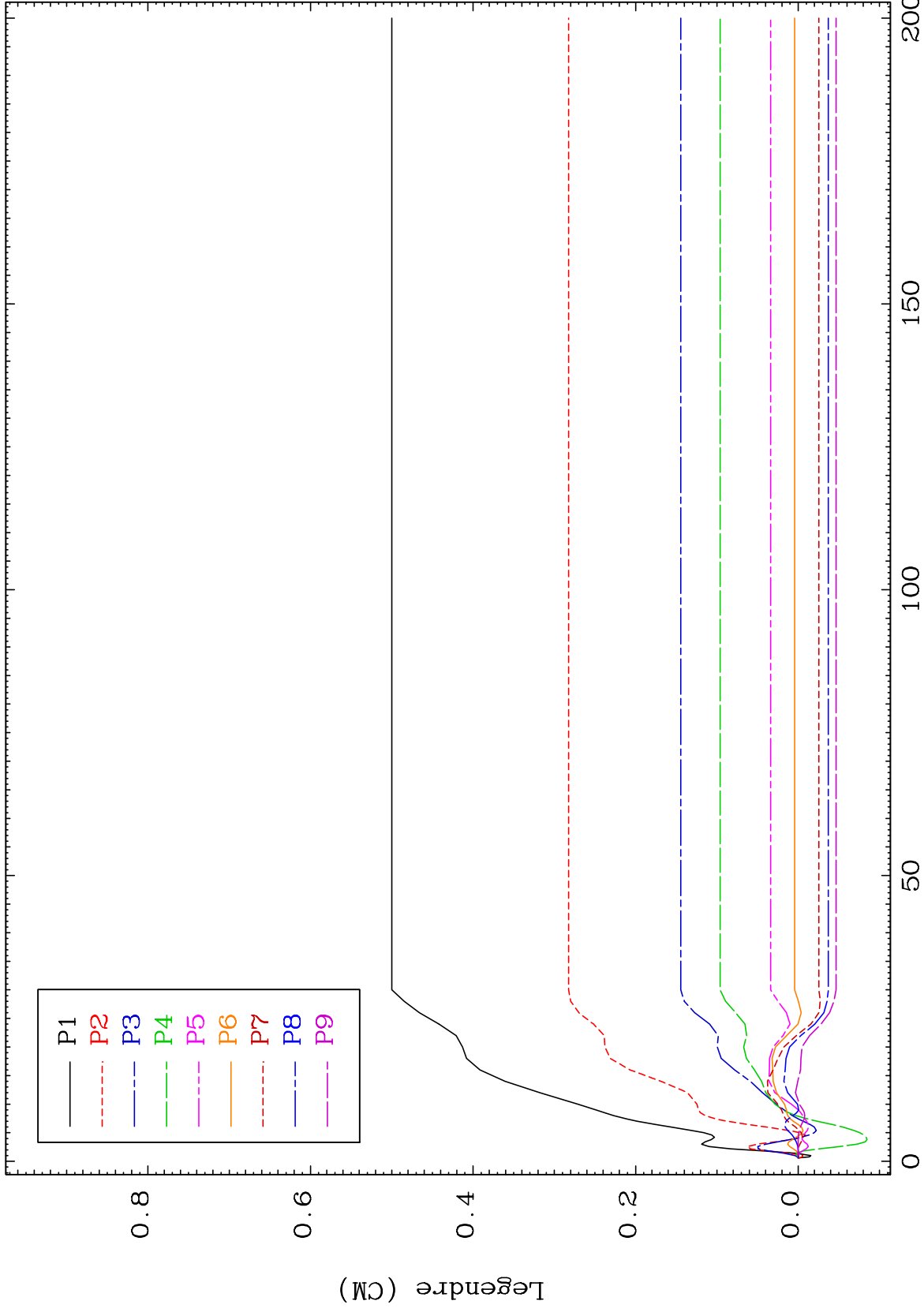
54-Xe-127



MAT 5434

510.0 keV (n,n') Level
Legendre Coefficients

54-Xe-127



54-Xe-127

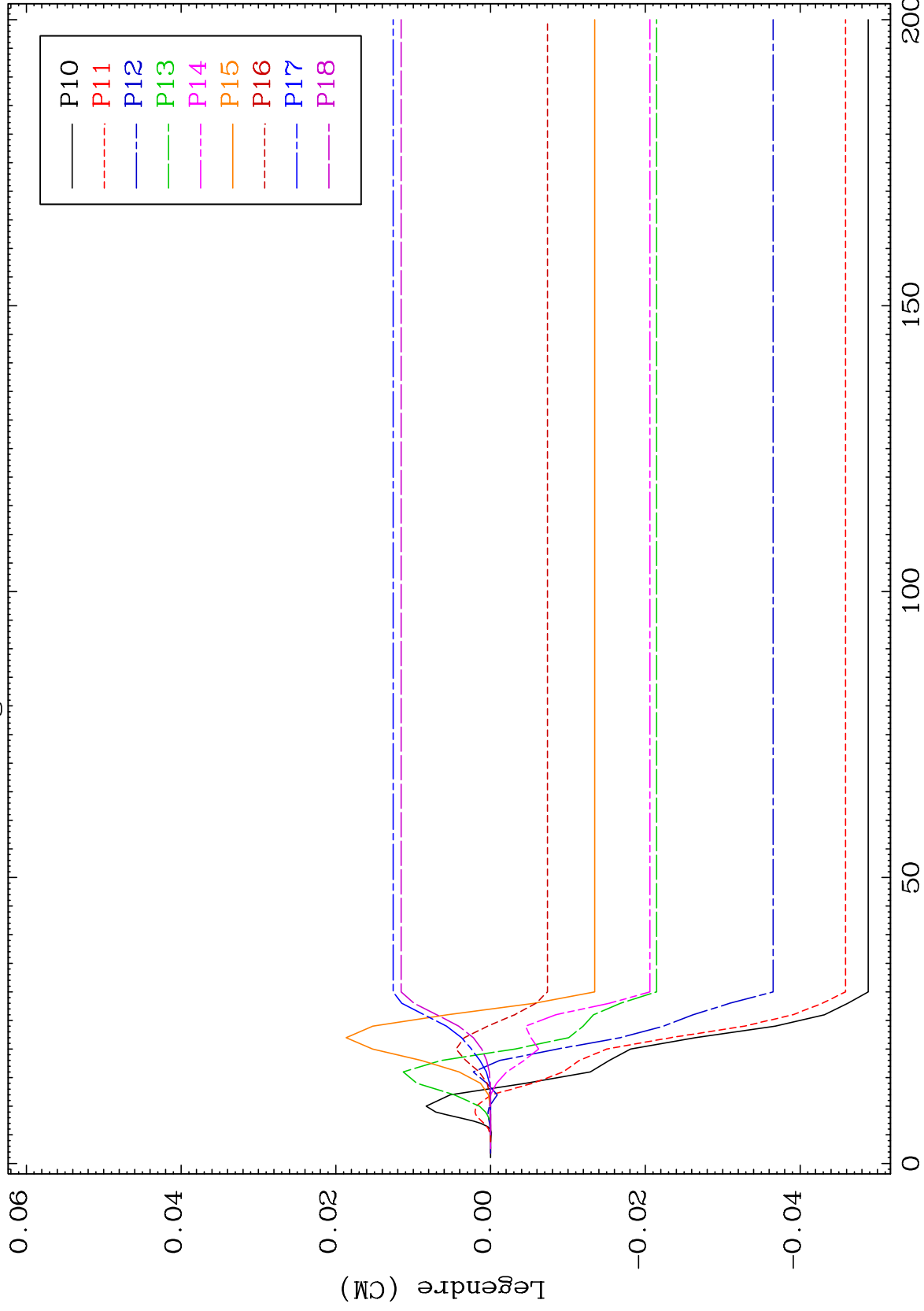
Incident Energy (MeV)

45

MAT 5434

510.0 keV (n,n') Level
Legendre Coefficients

54-Xe-127



46

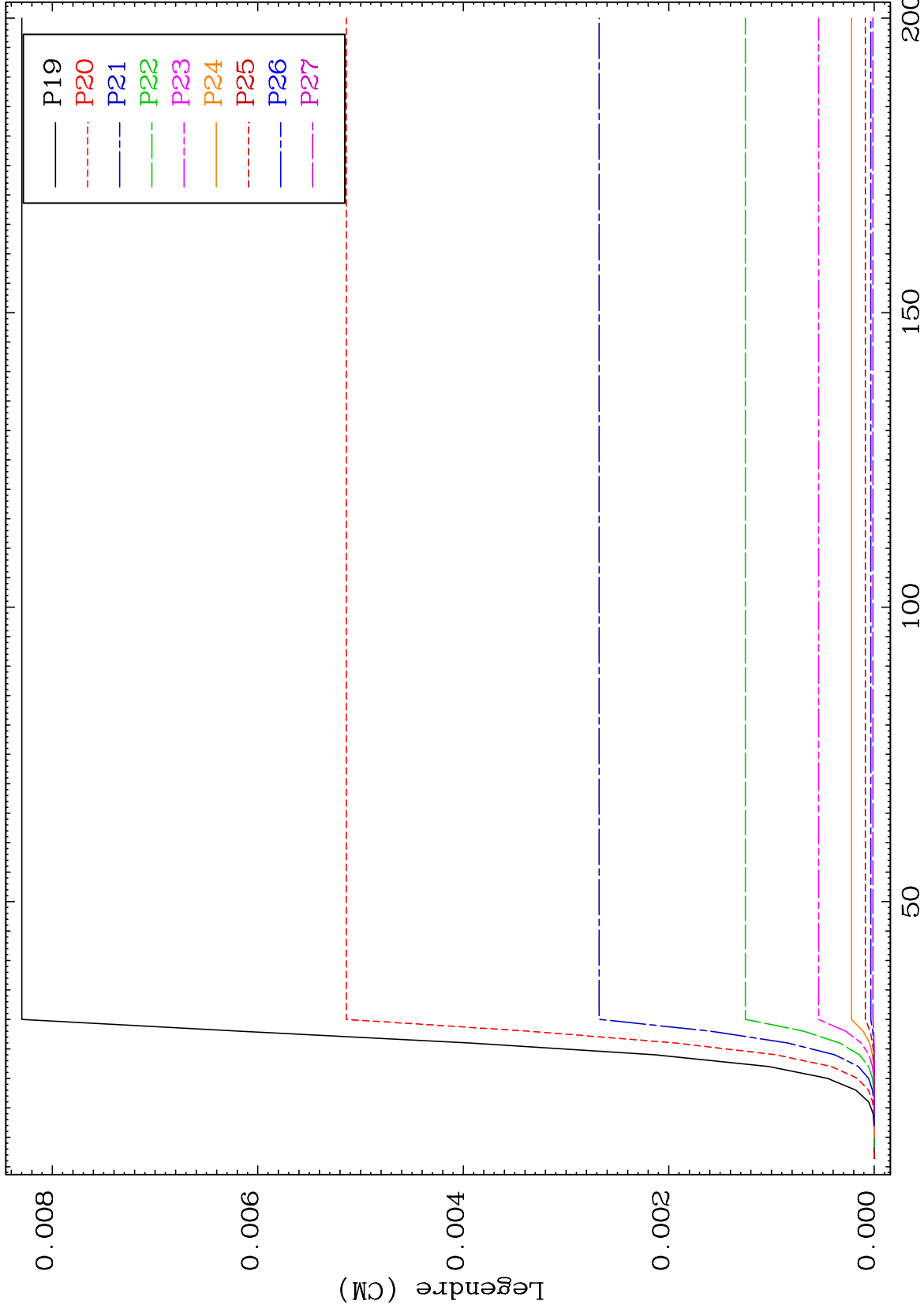
Incident Energy (MeV)

54-Xe-127

MAT 5434

510.0 keV (n,n') Level
Legendre Coefficients

54-Xe-127



47

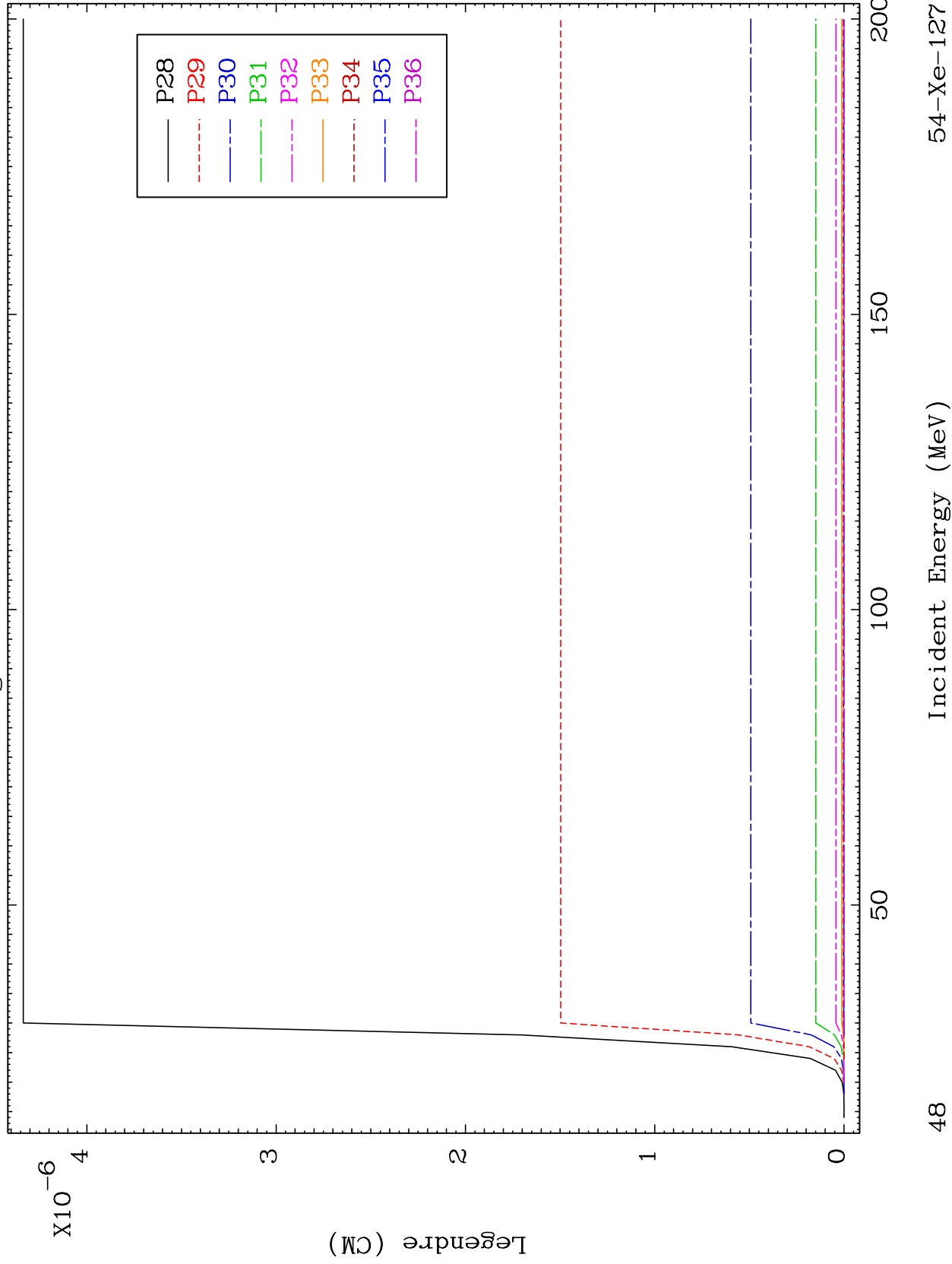
Incident Energy (MeV)

54-Xe-127

MAT 5434

510.0 keV (n,n') Level
Legendre Coefficients

54-Xe-127



48

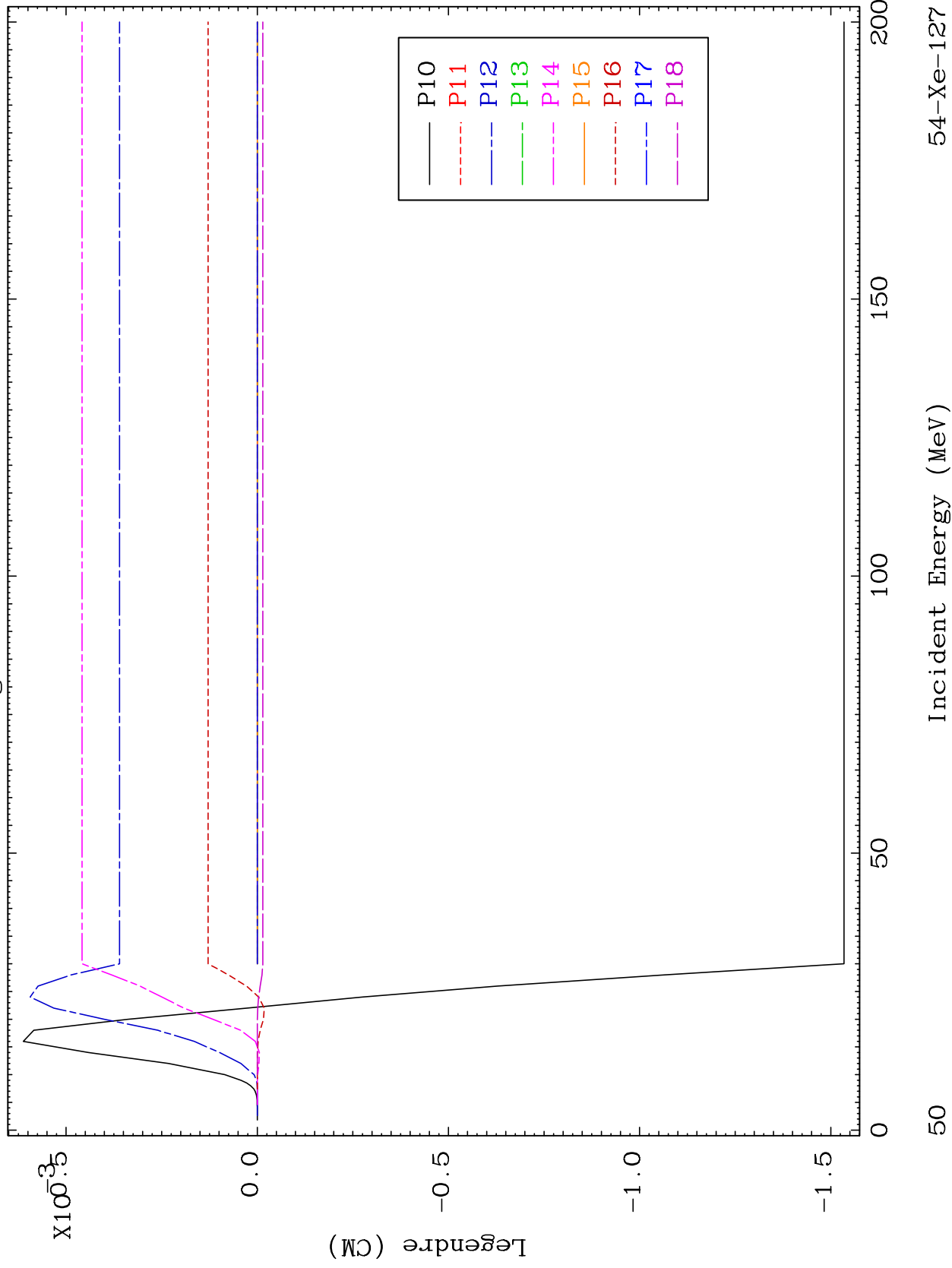
Incident Energy (MeV)

54-Xe-127

MAT 5434

530.3 keV (n,n') Level
Legendre Coefficients

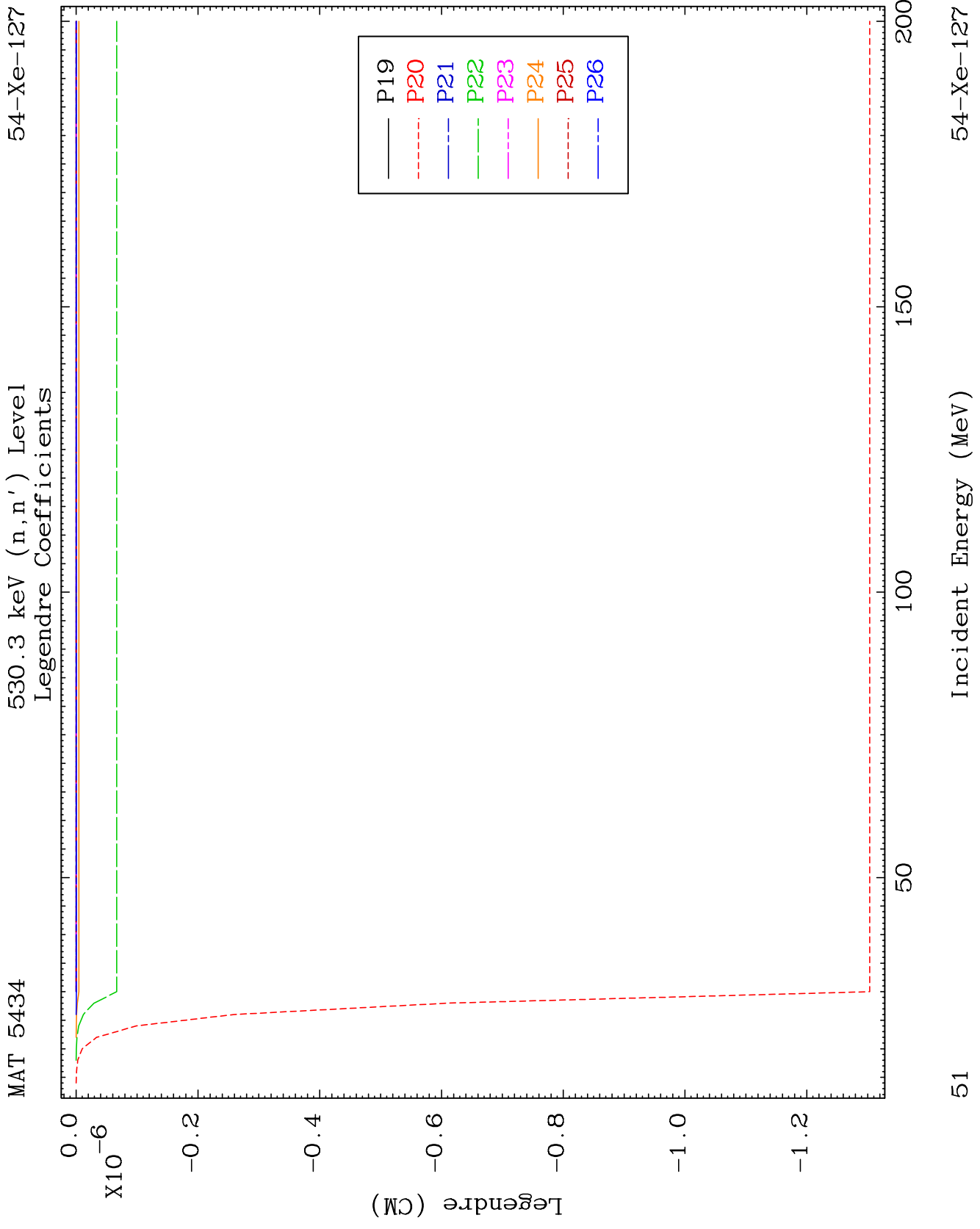
54-Xe-127

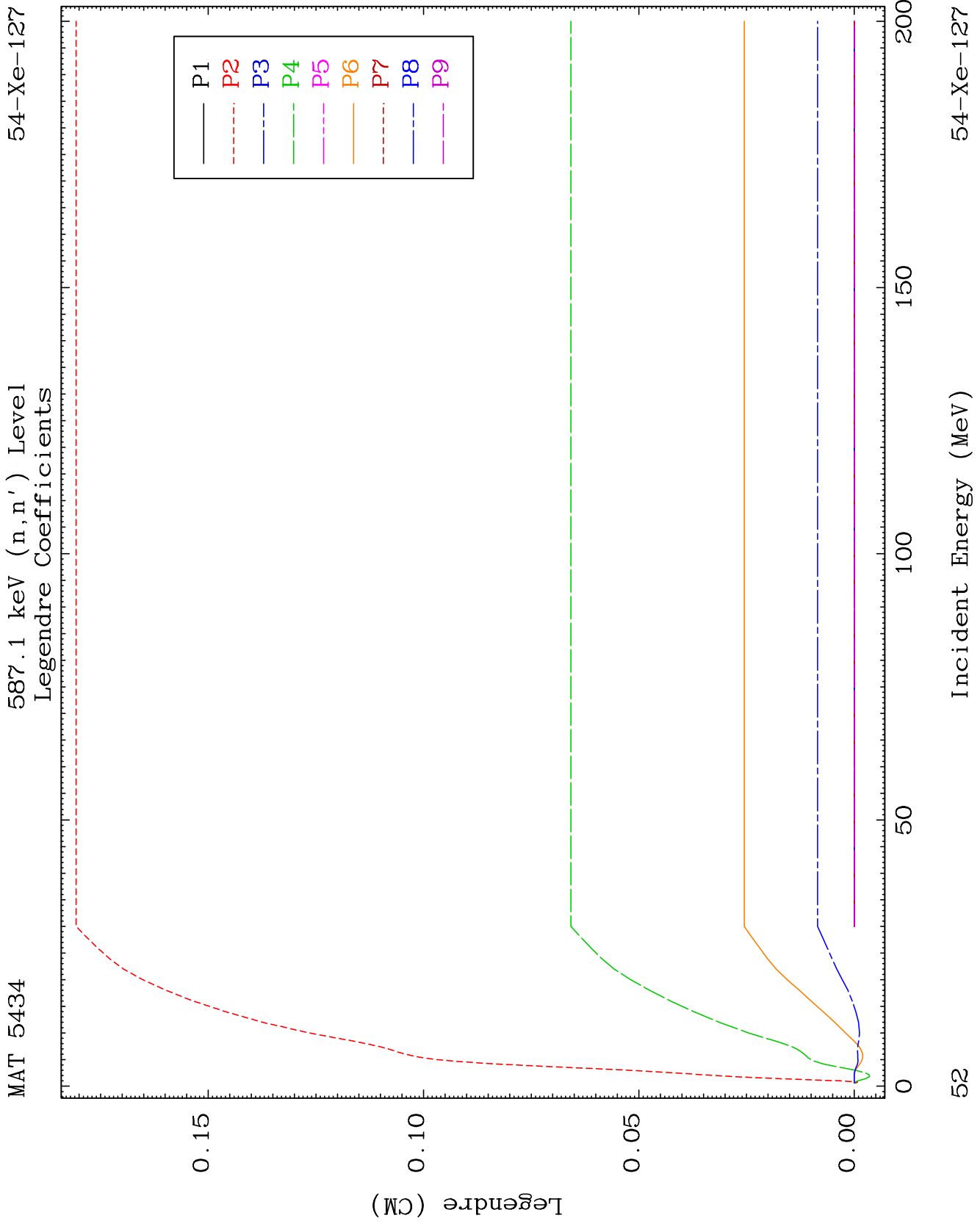


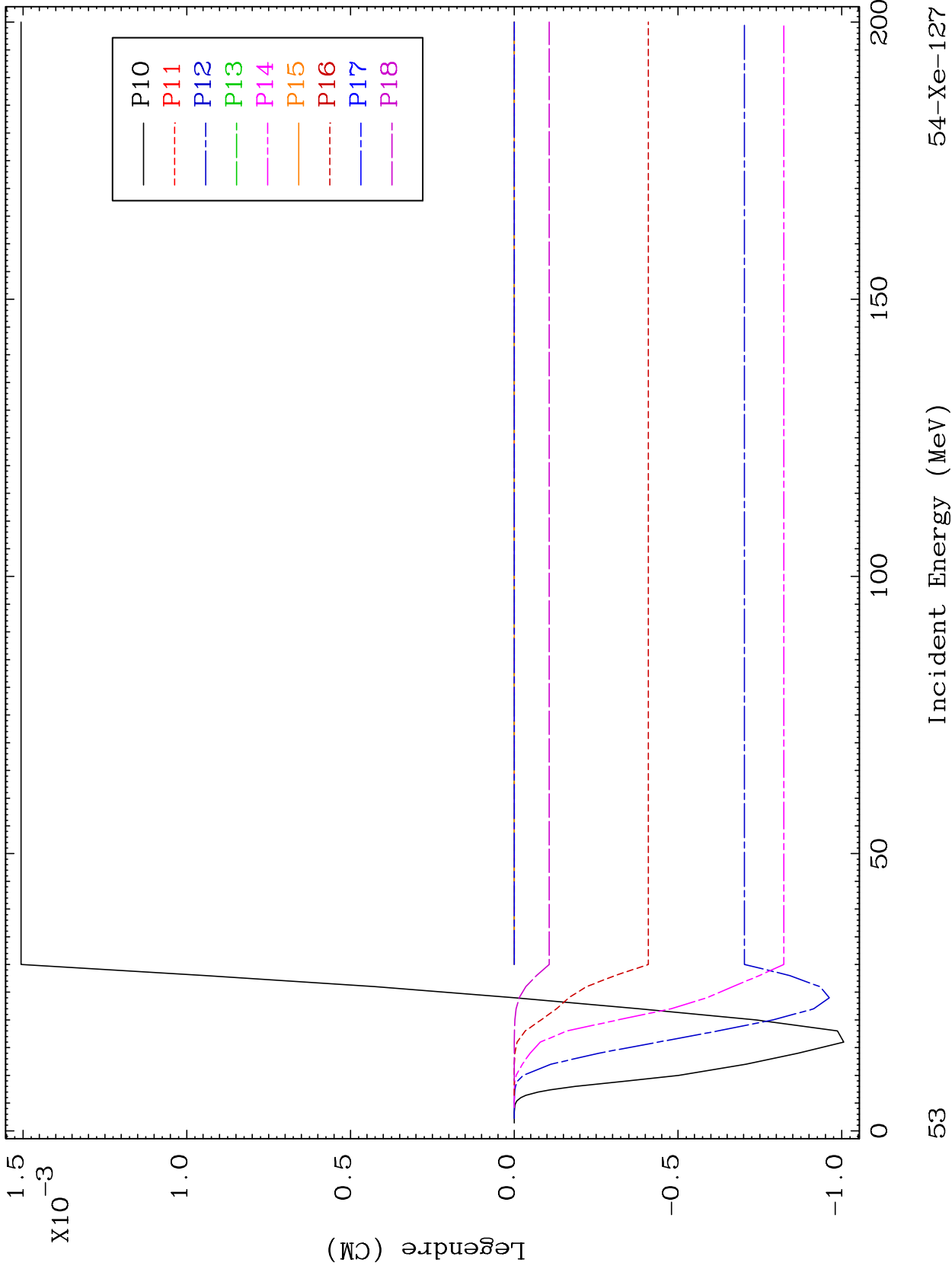
54-Xe-127

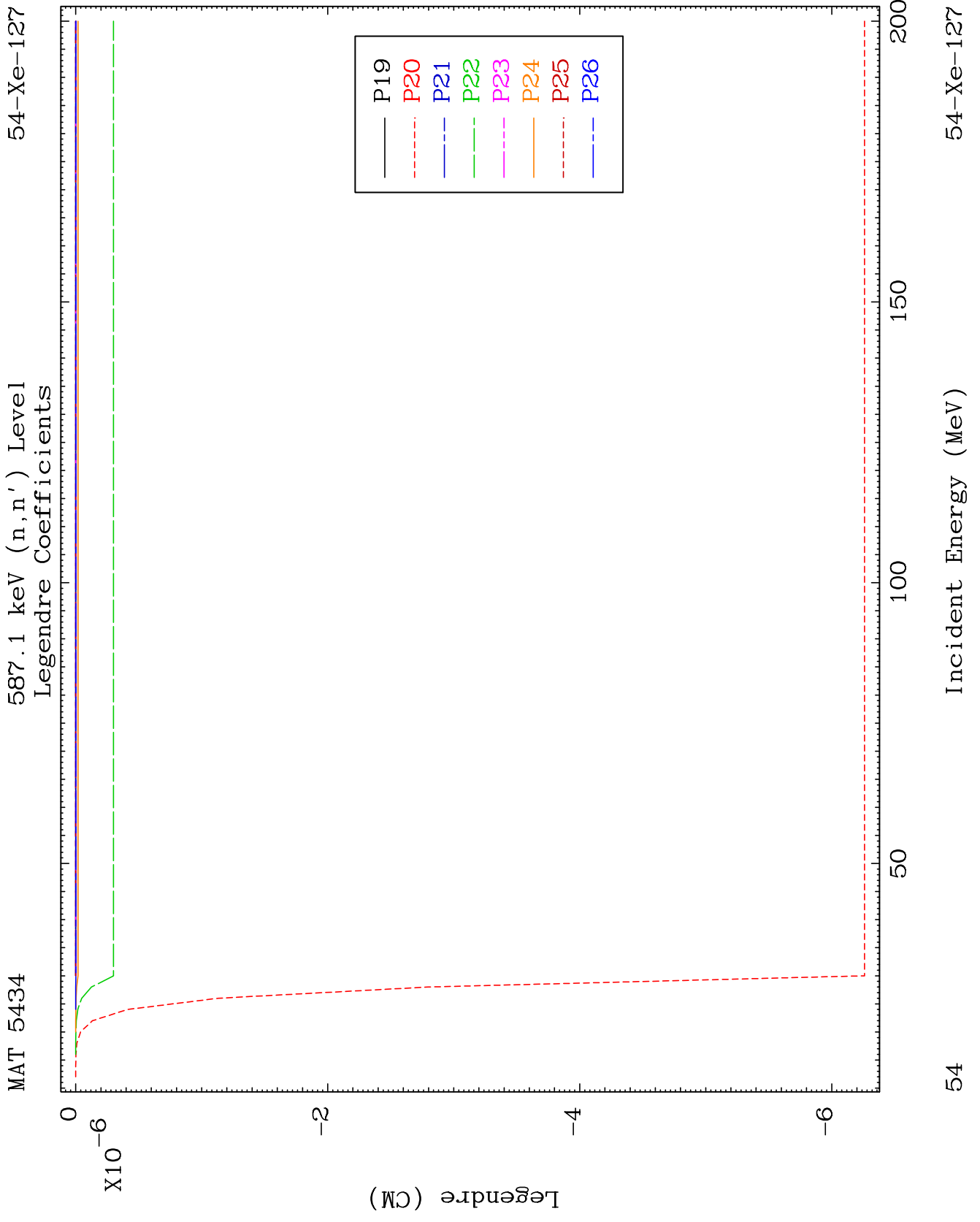
Incident Energy (MeV)

50





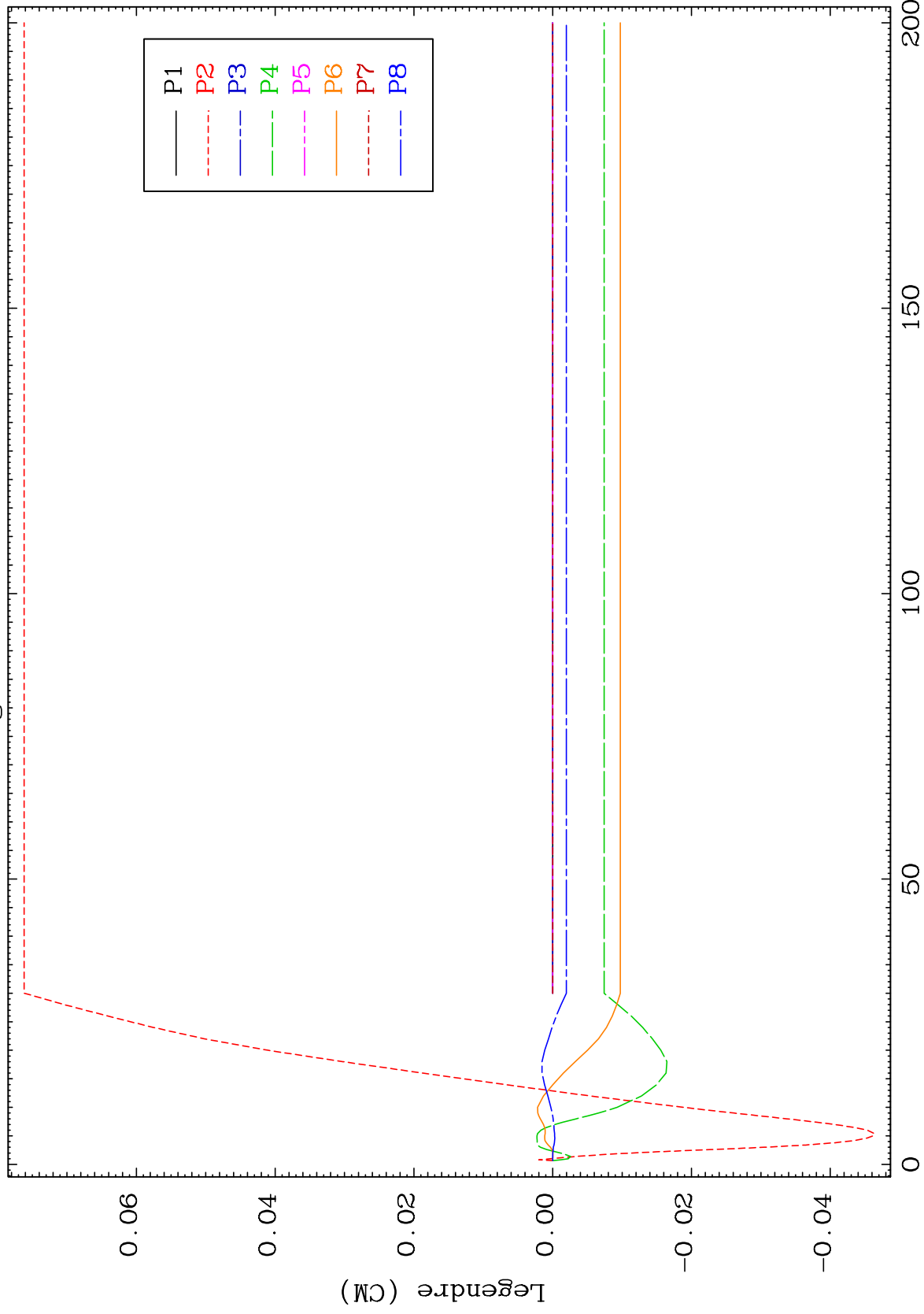




MAT 5434

645.9 keV (n,n') Level
Legendre Coefficients

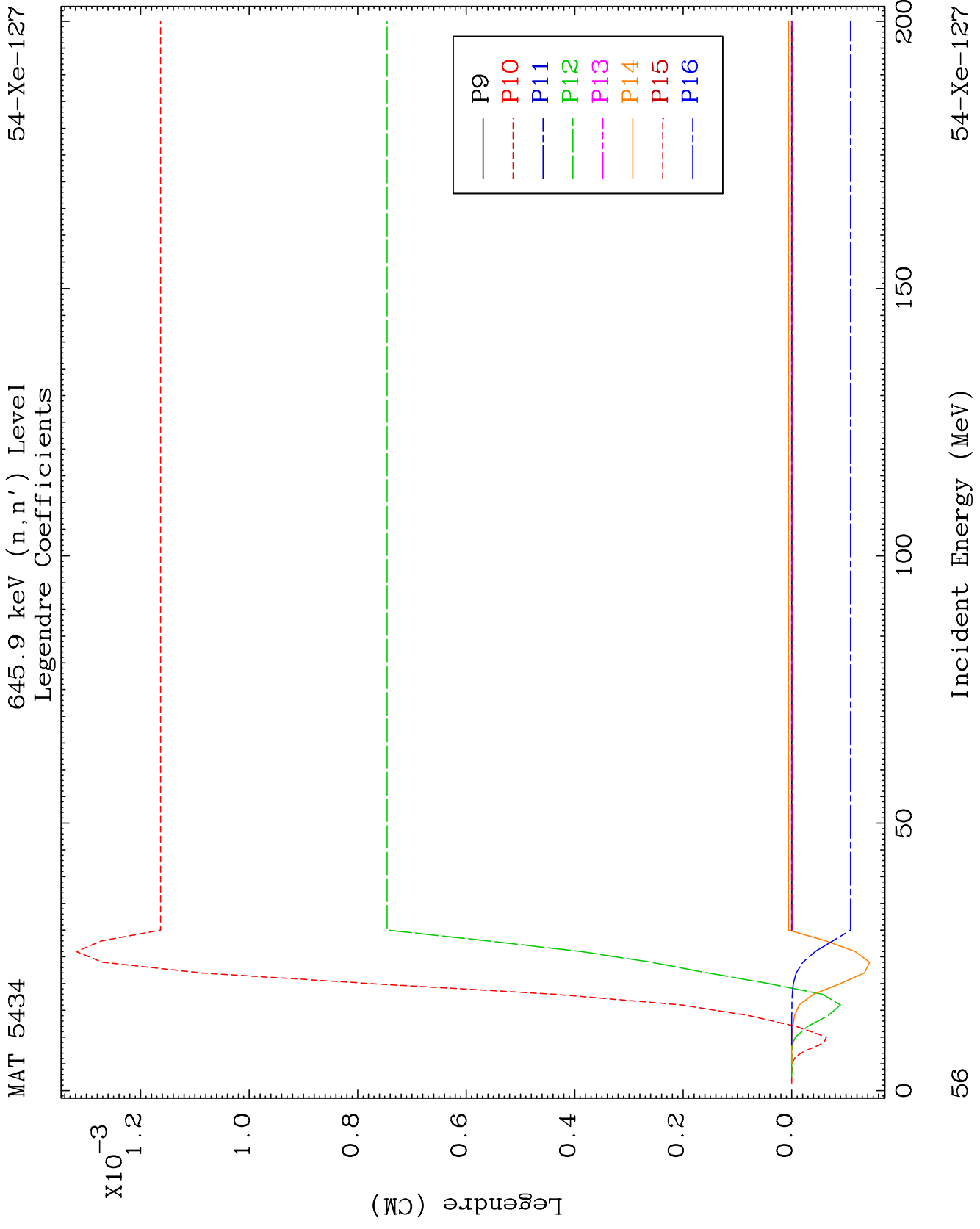
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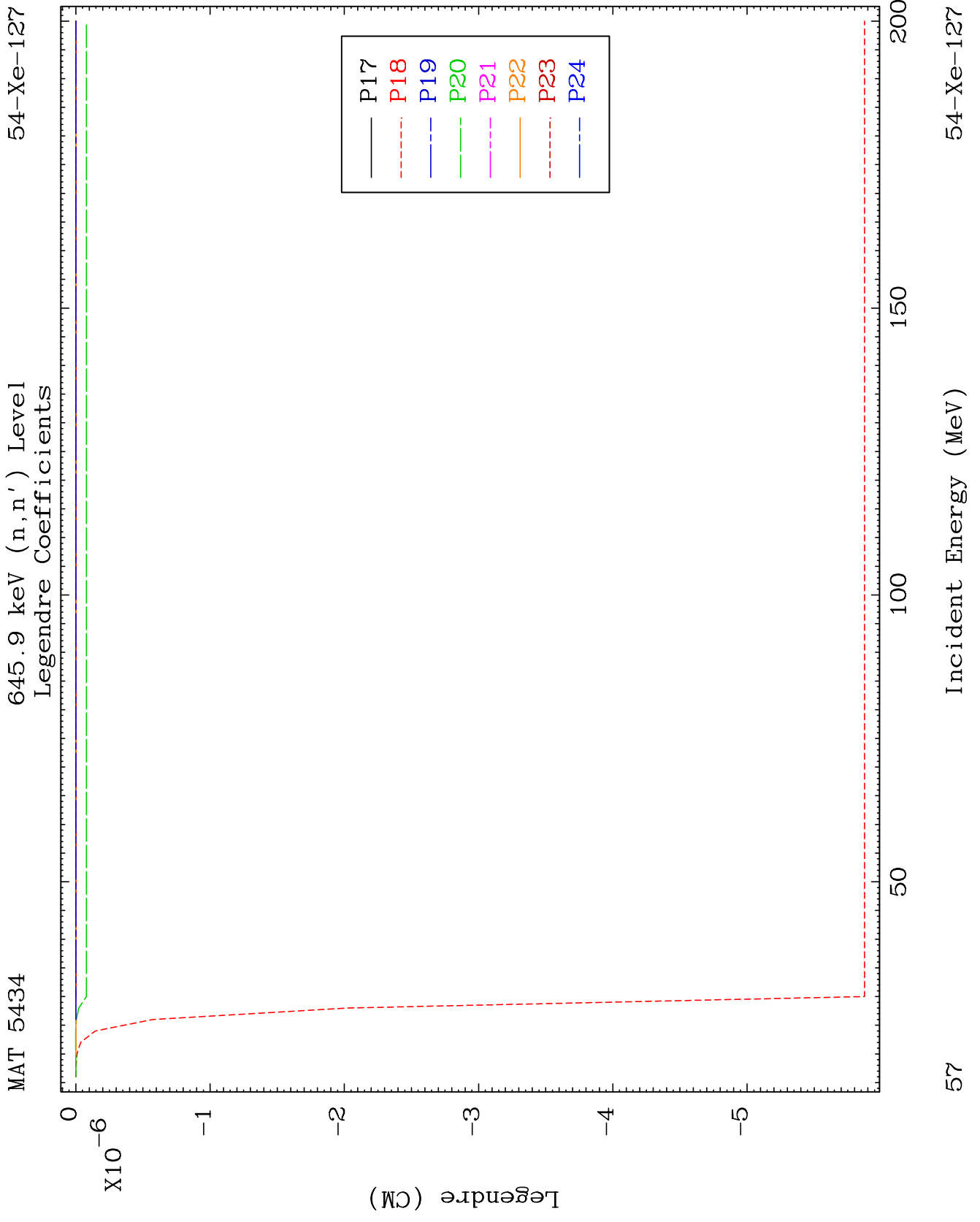


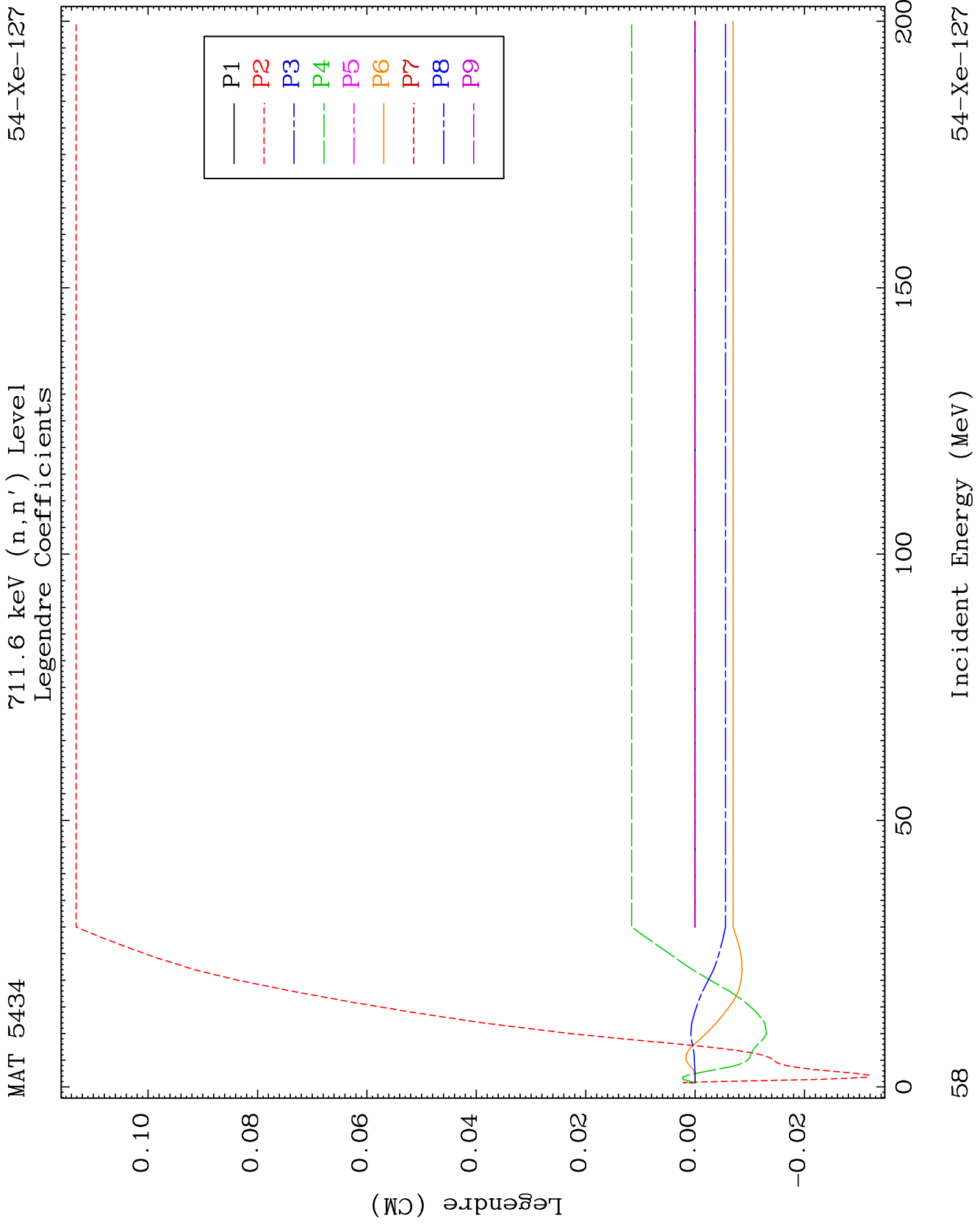
55

54-Xe-127

54-Xe-127



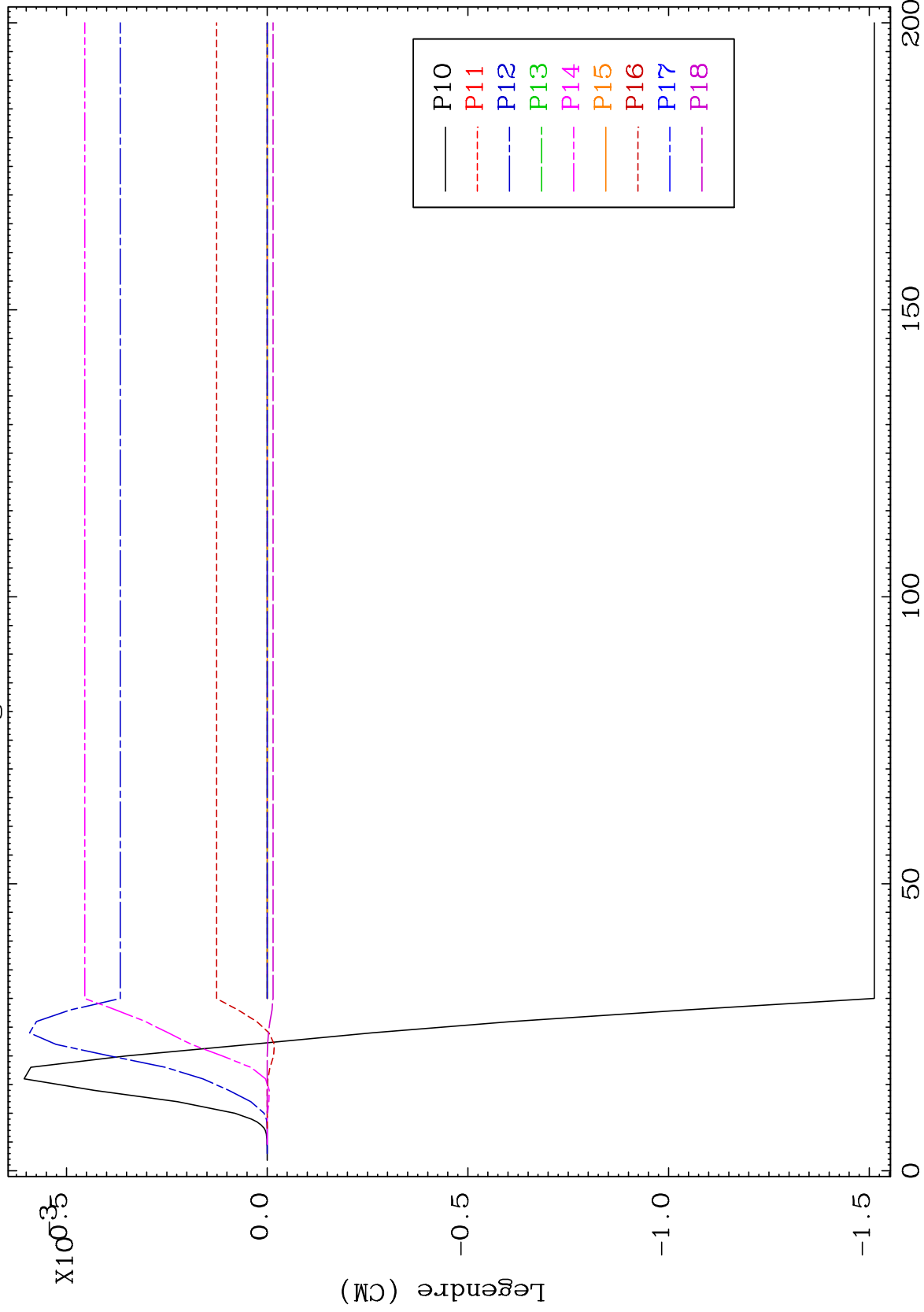




MAT 5434

711.6 keV (n,n') Level
Legendre Coefficients

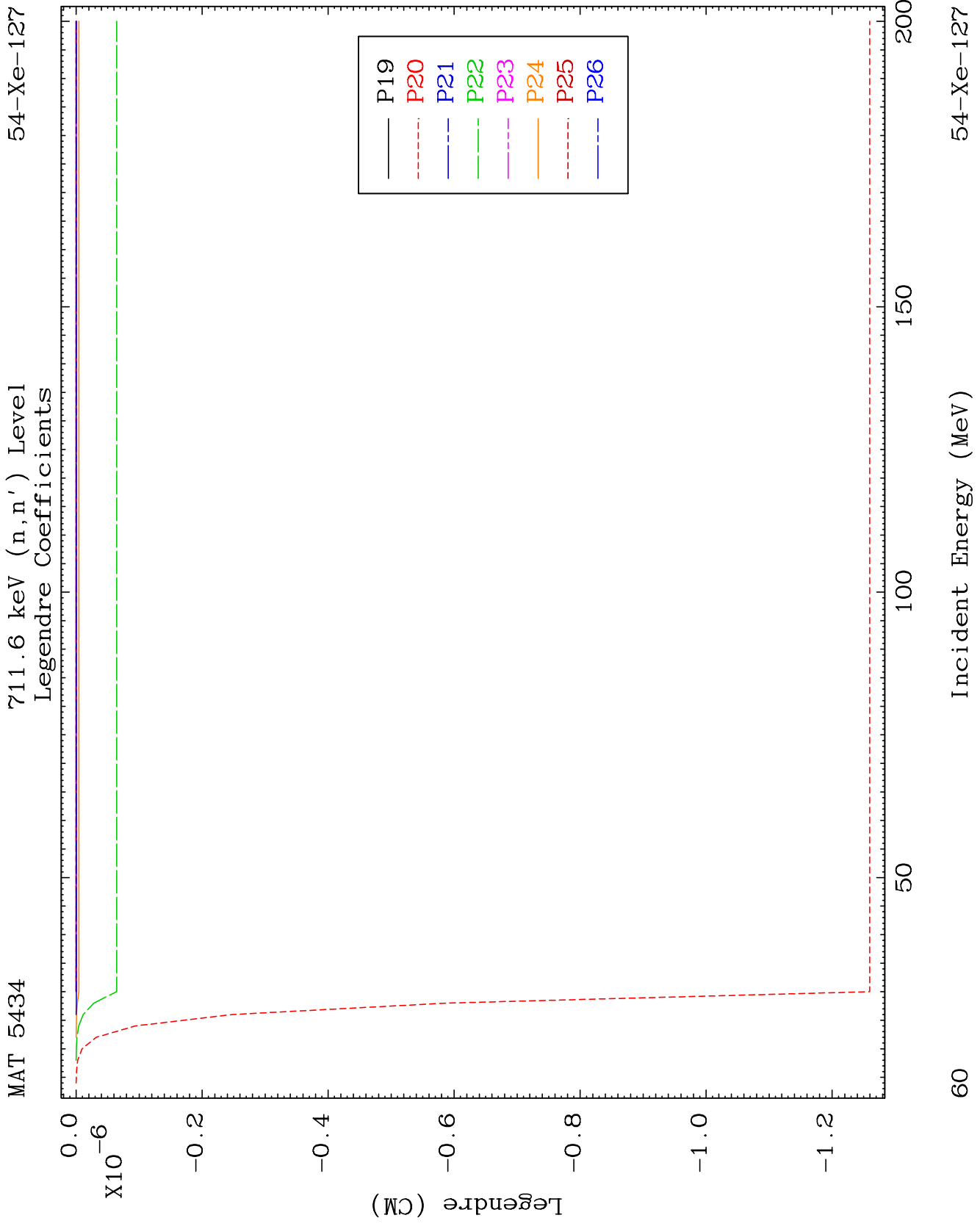
54-Xe-127

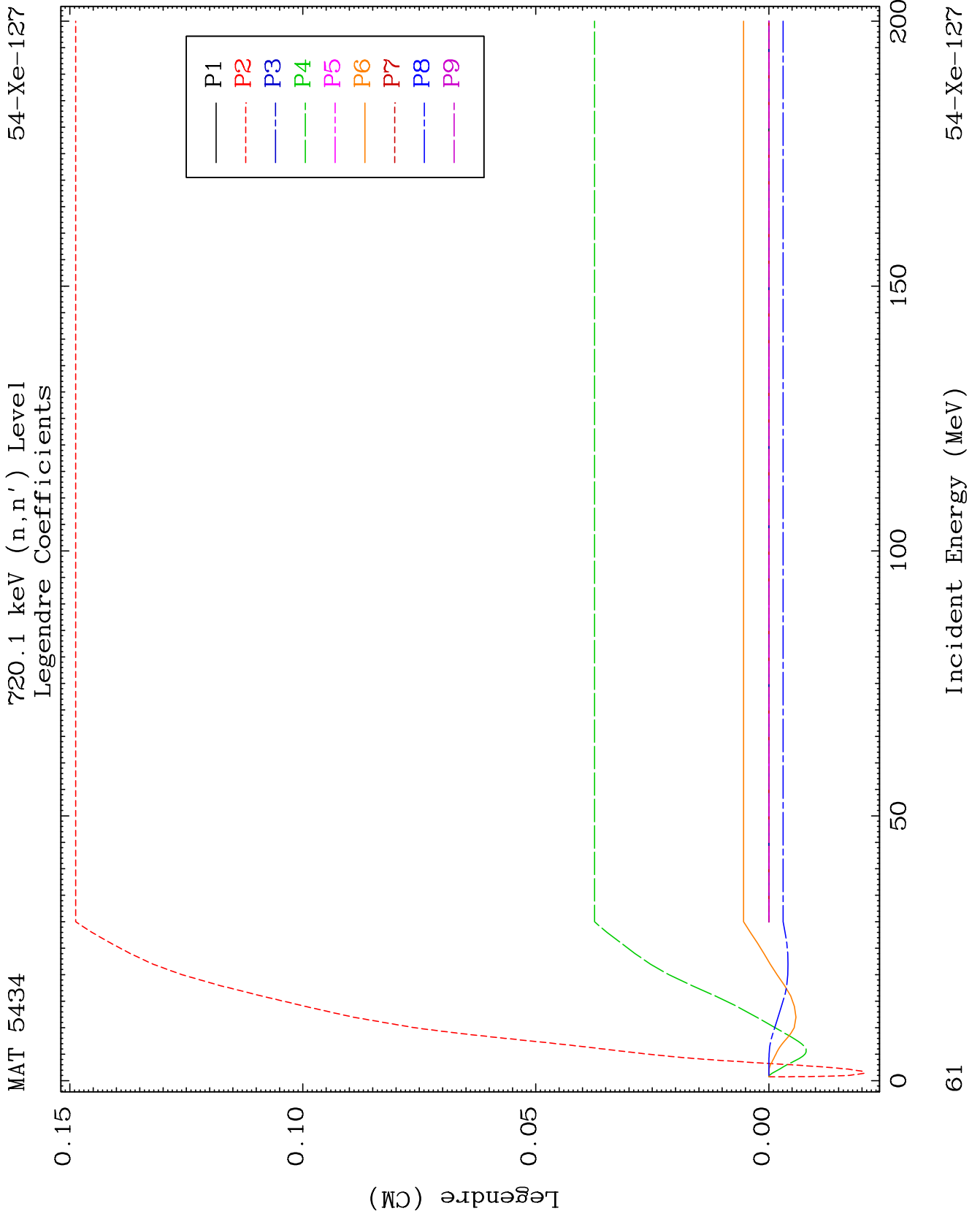


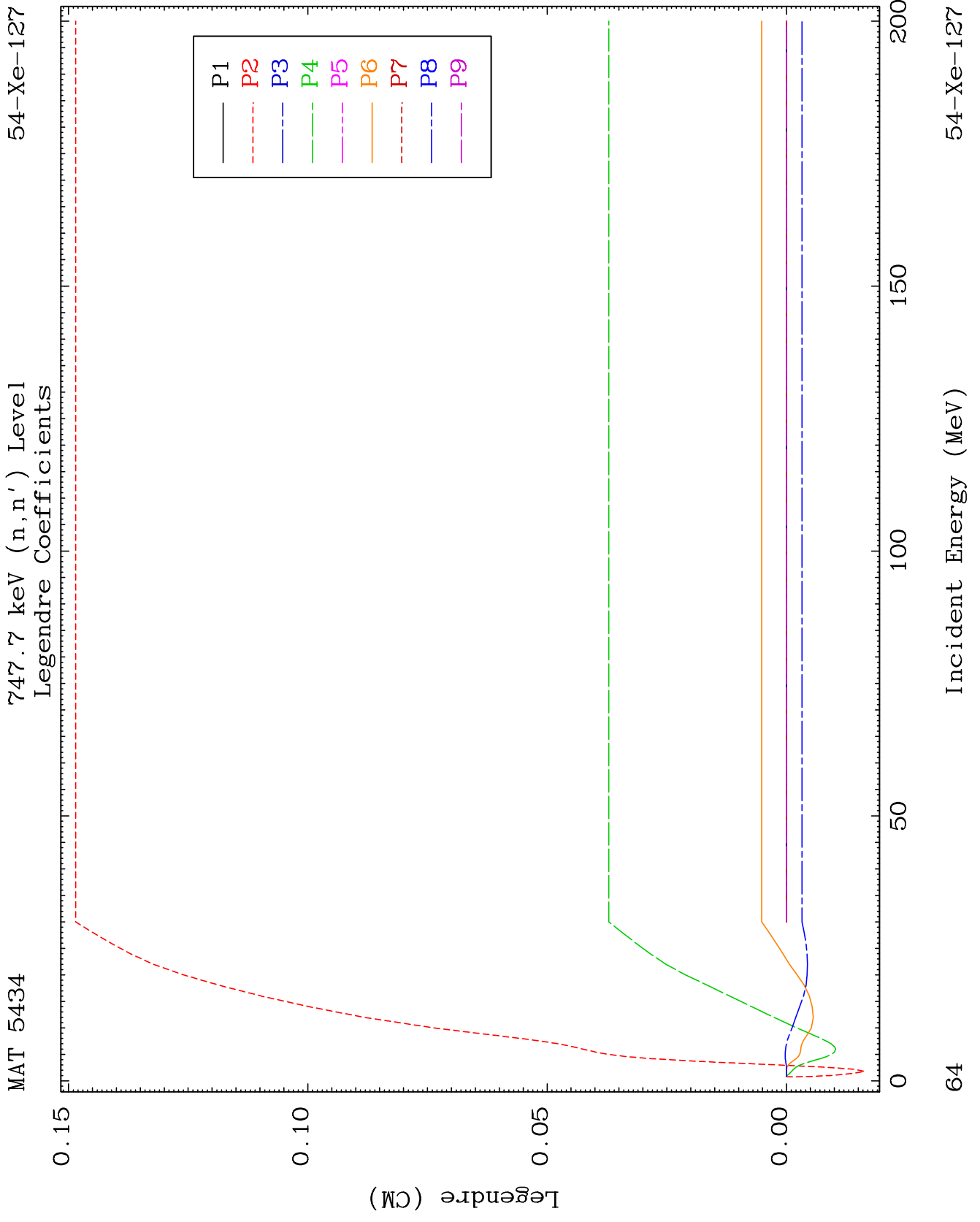
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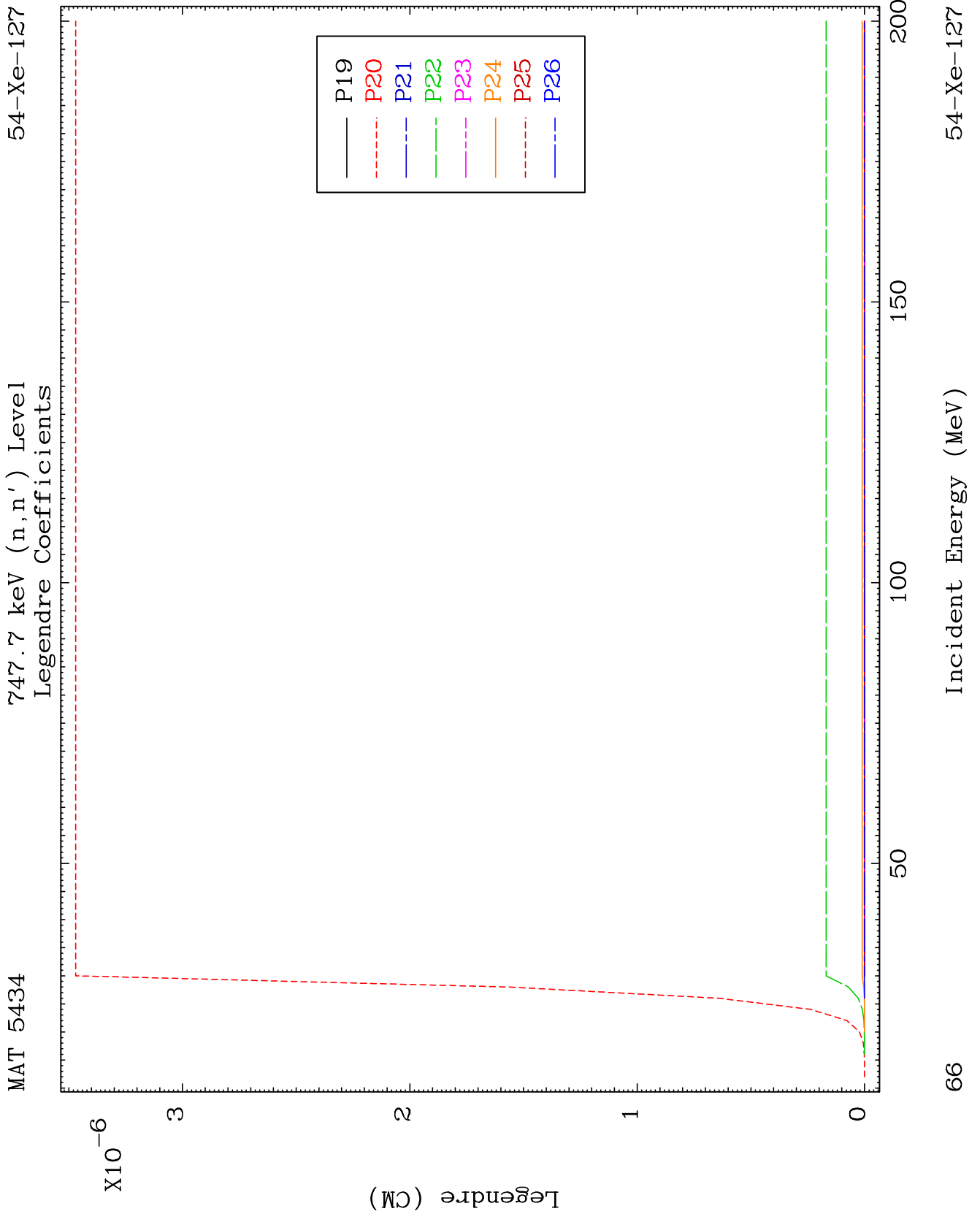
Incident Energy (MeV)

54-Xe-127





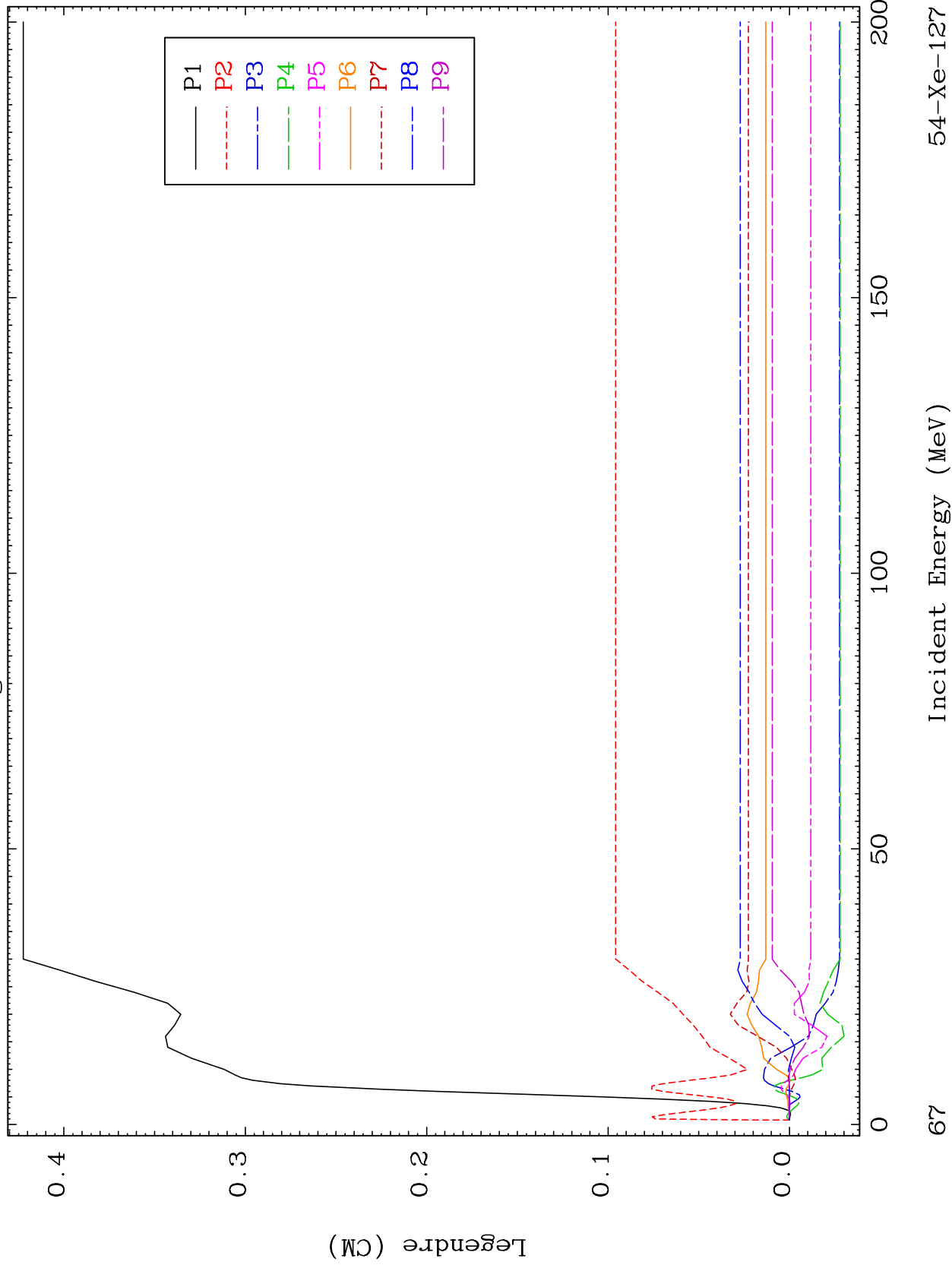




MAT 5434

792.4 keV (n,n') Level
Legendre Coefficients

54-Xe-127



54-Xe-127

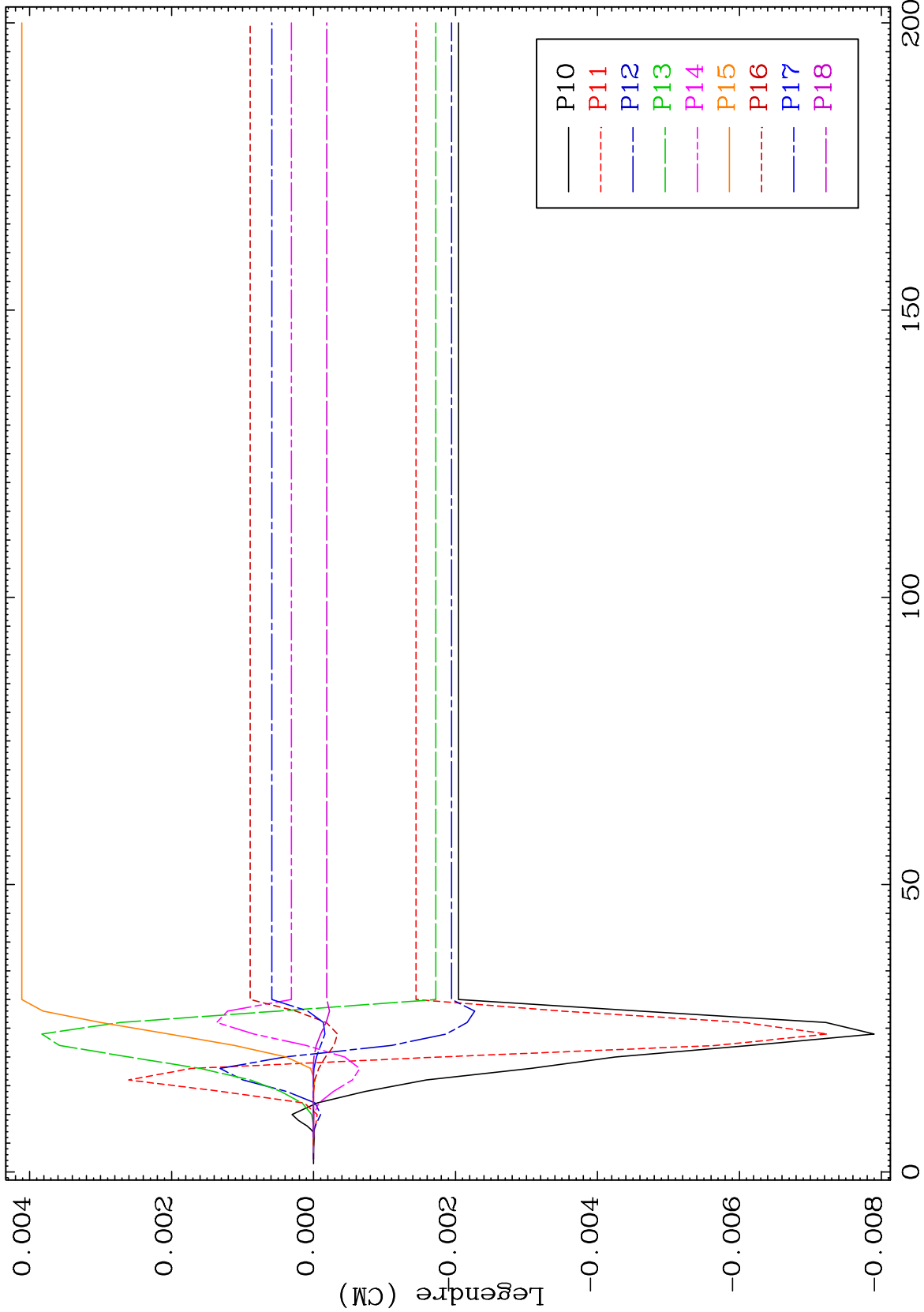
Incident Energy (MeV)

67

MAT 5434

792.4 keV (n,n') Level
Legendre Coefficients

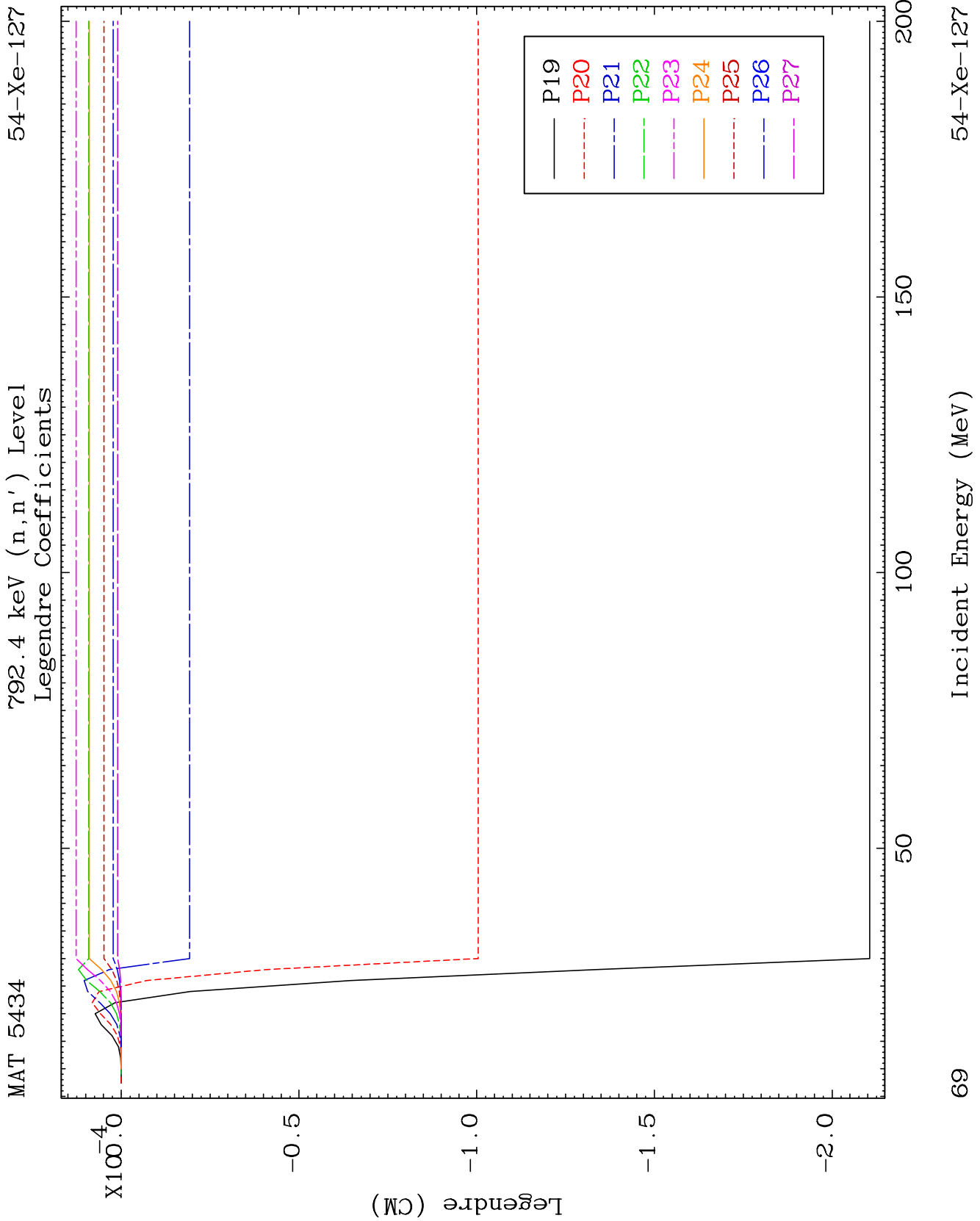
54-Xe-127



68

Incident Energy (MeV)

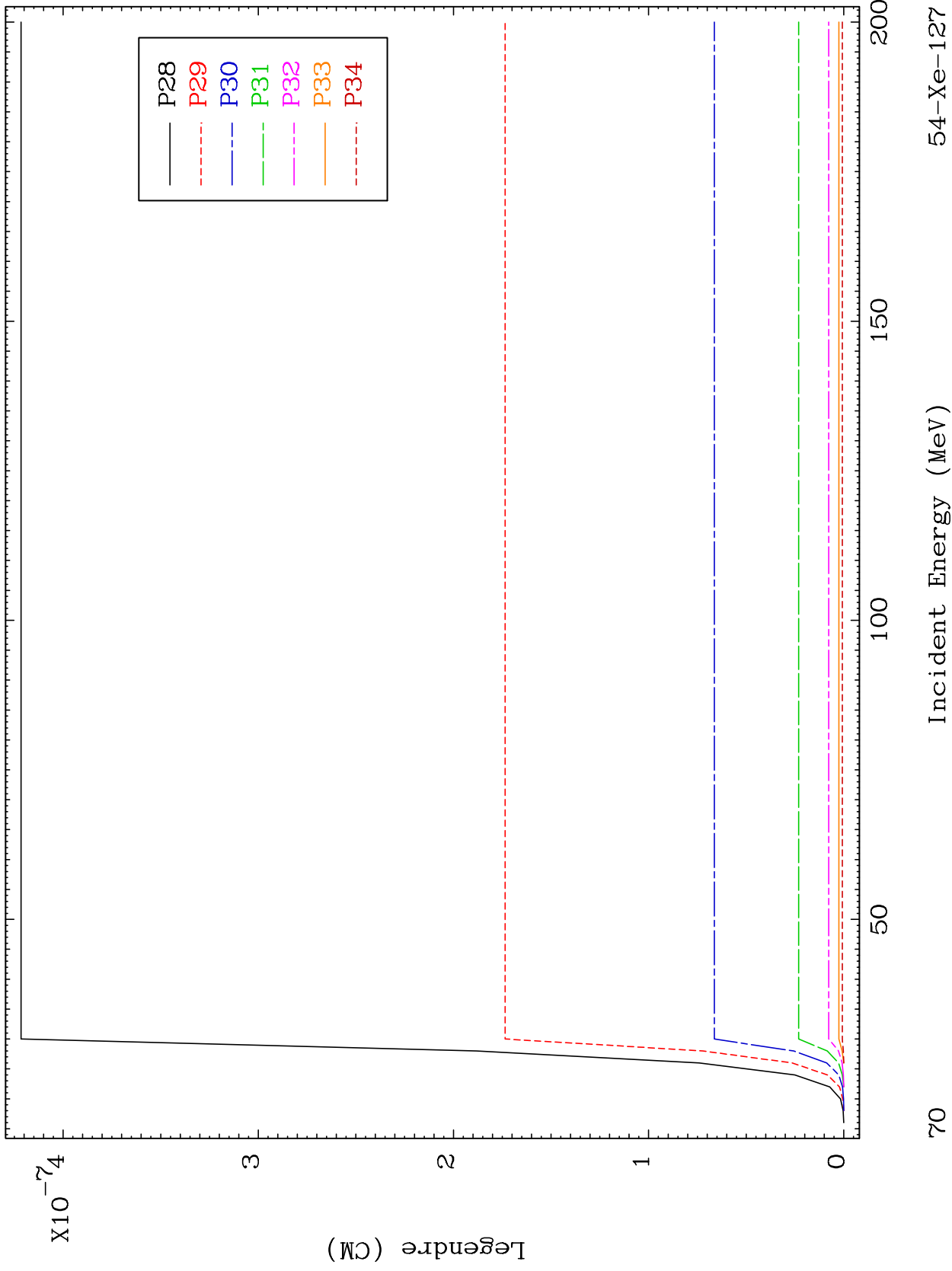
54-Xe-127



MAT 5434

792.4 keV (n, n') Level
Legendre Coefficients

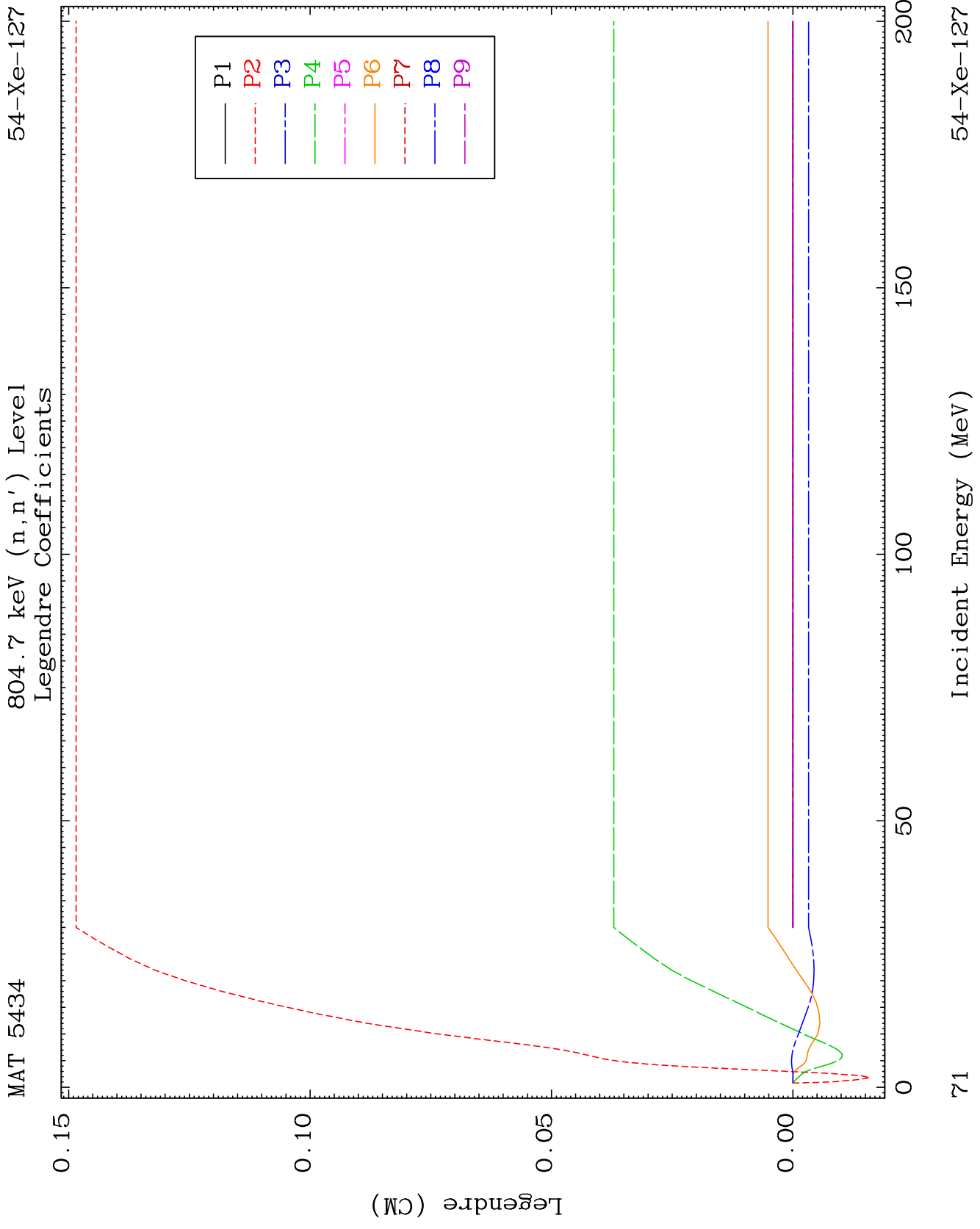
54-Xe-127

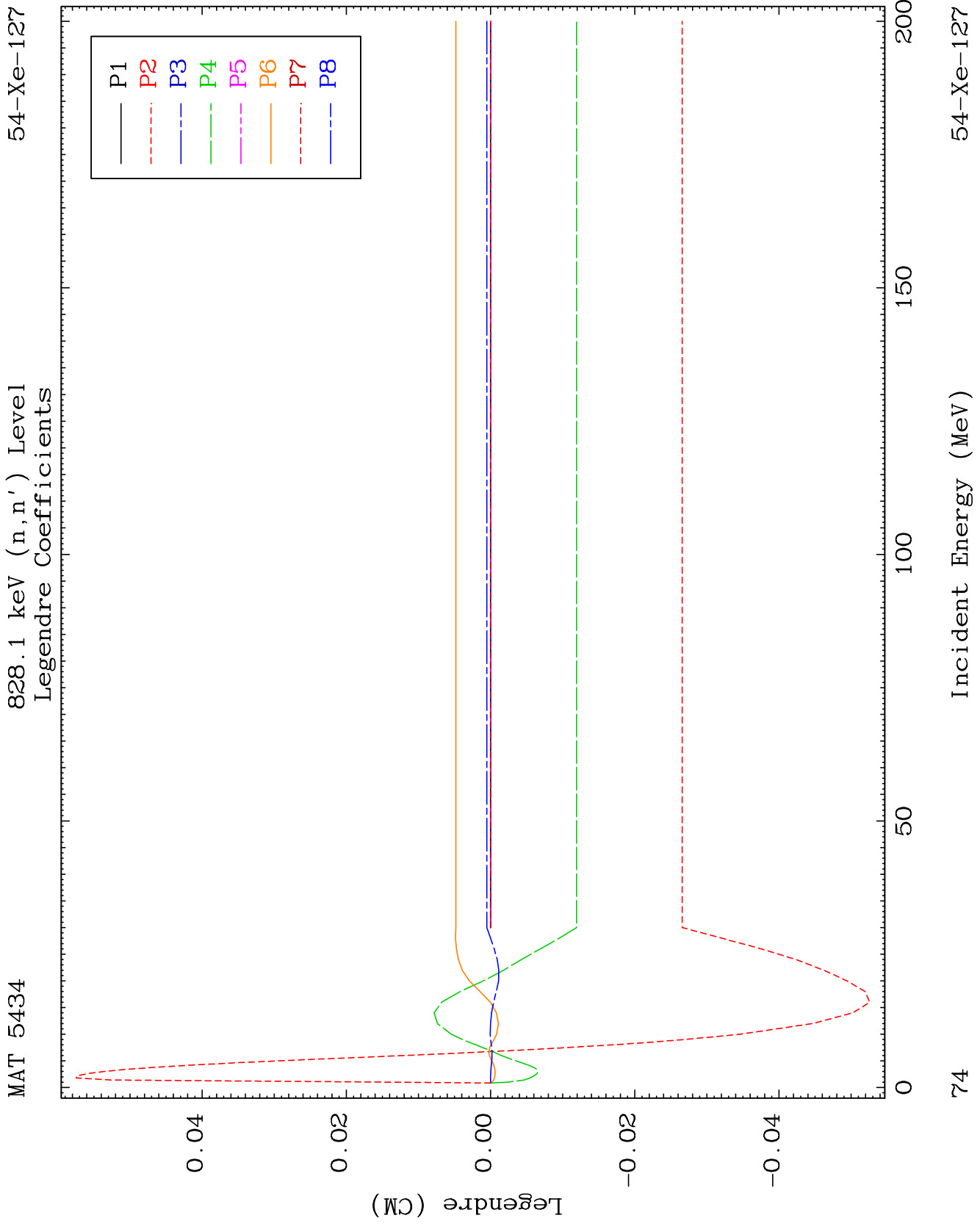


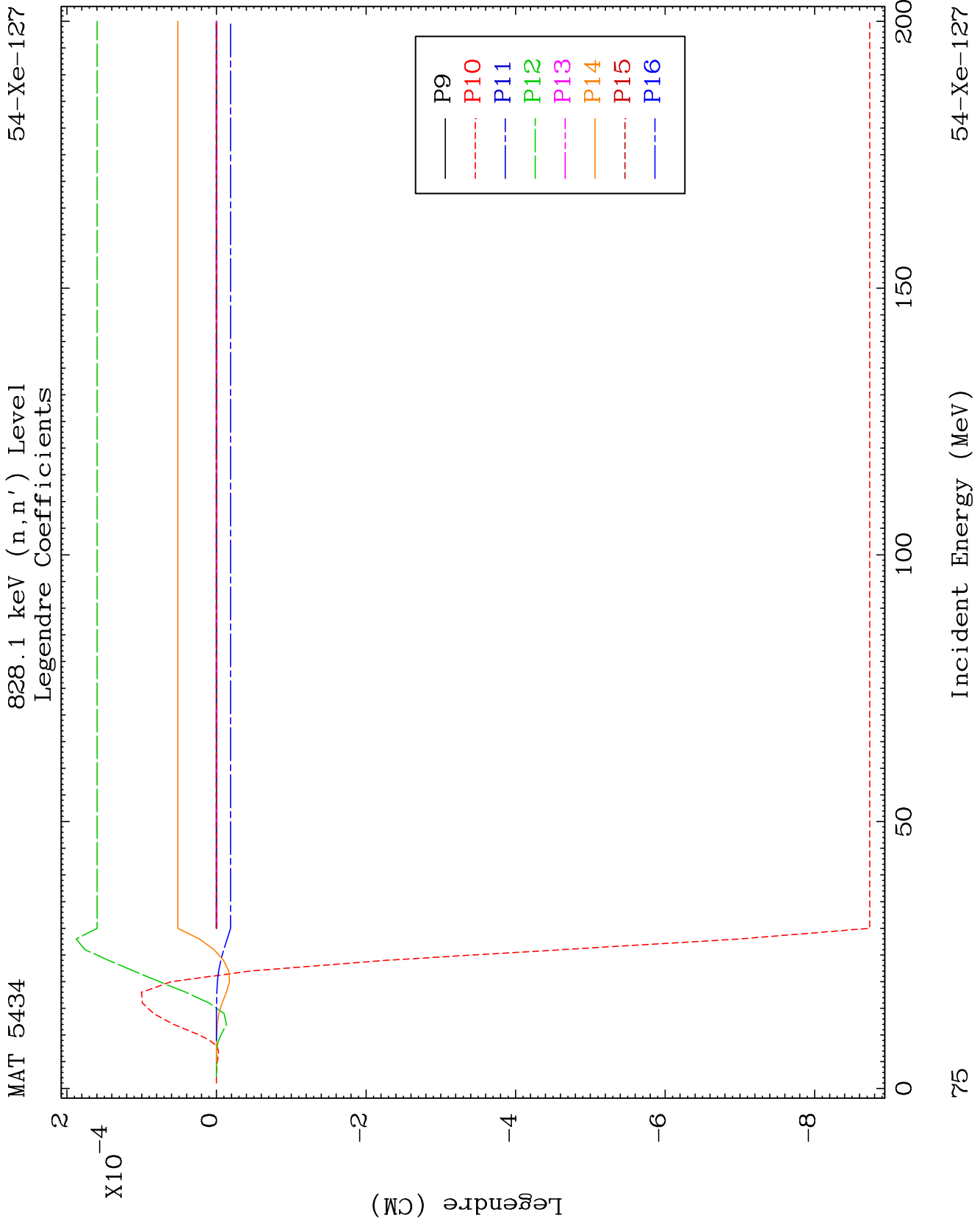
54-Xe-127

Incident Energy (MeV)

70



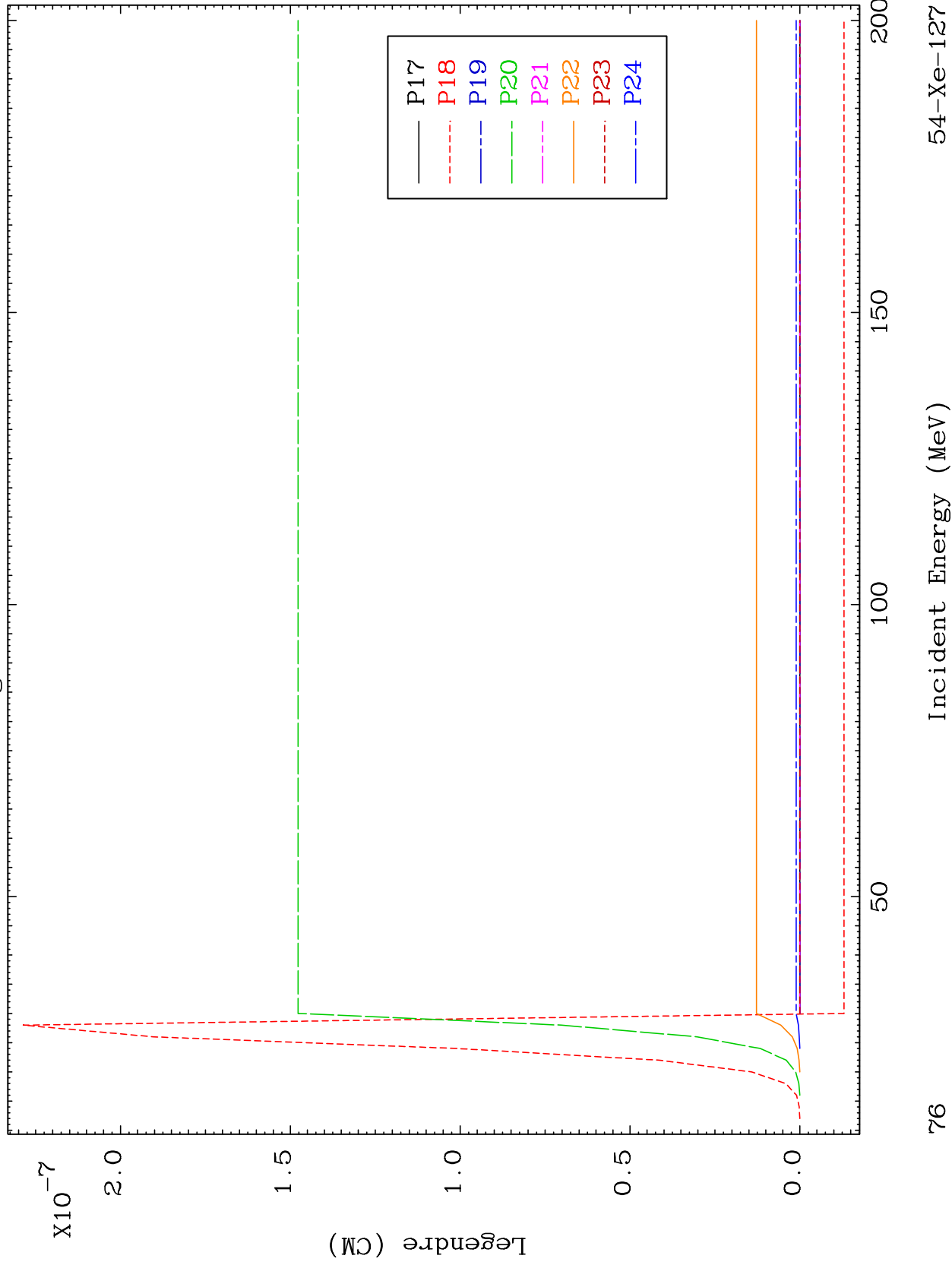




MAT 5434

828.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



76

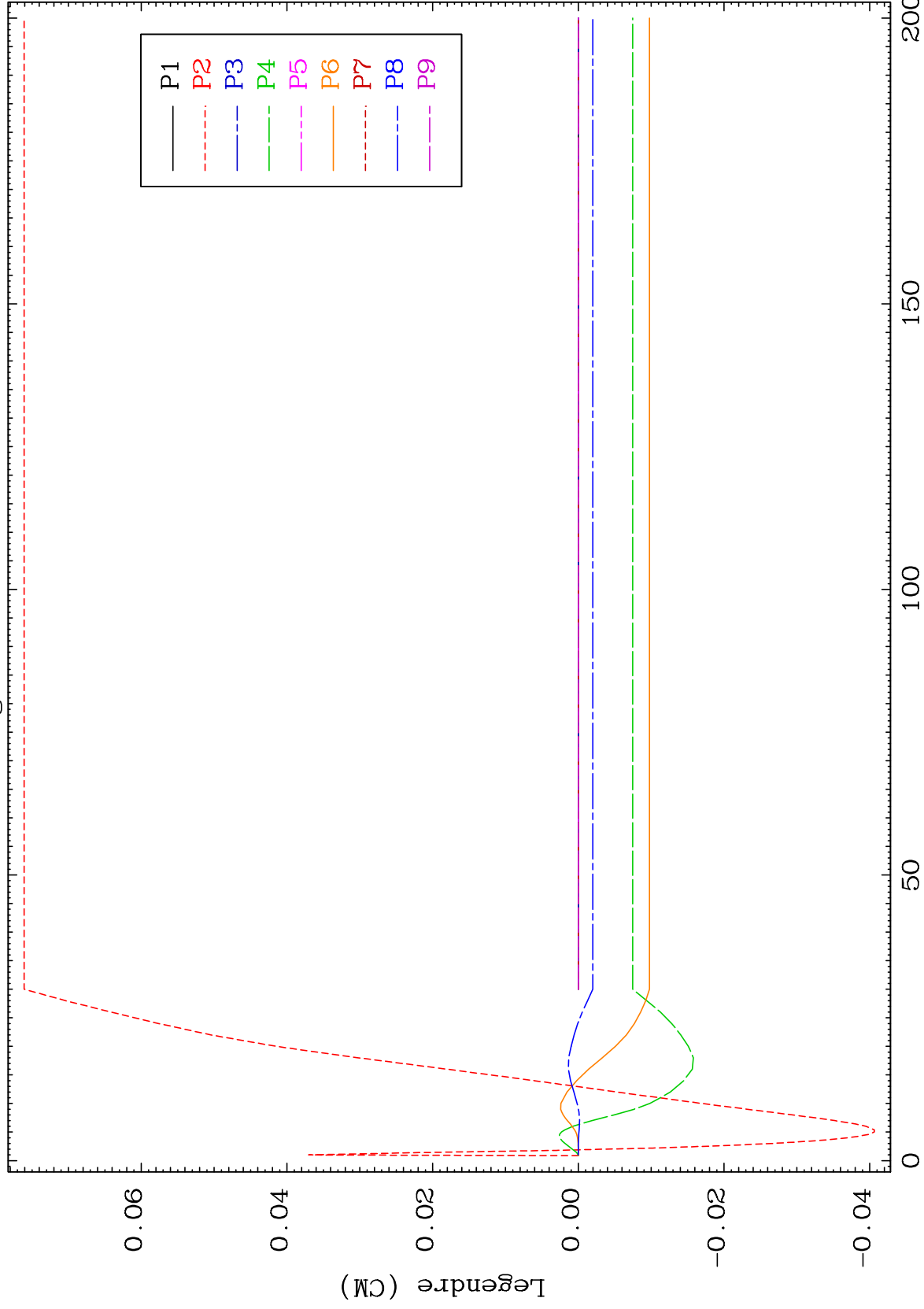
Incident Energy (MeV)

54-Xe-127

MAT 5434

846.0 keV (n,n') Level
Legendre Coefficients

54-Xe-127



77

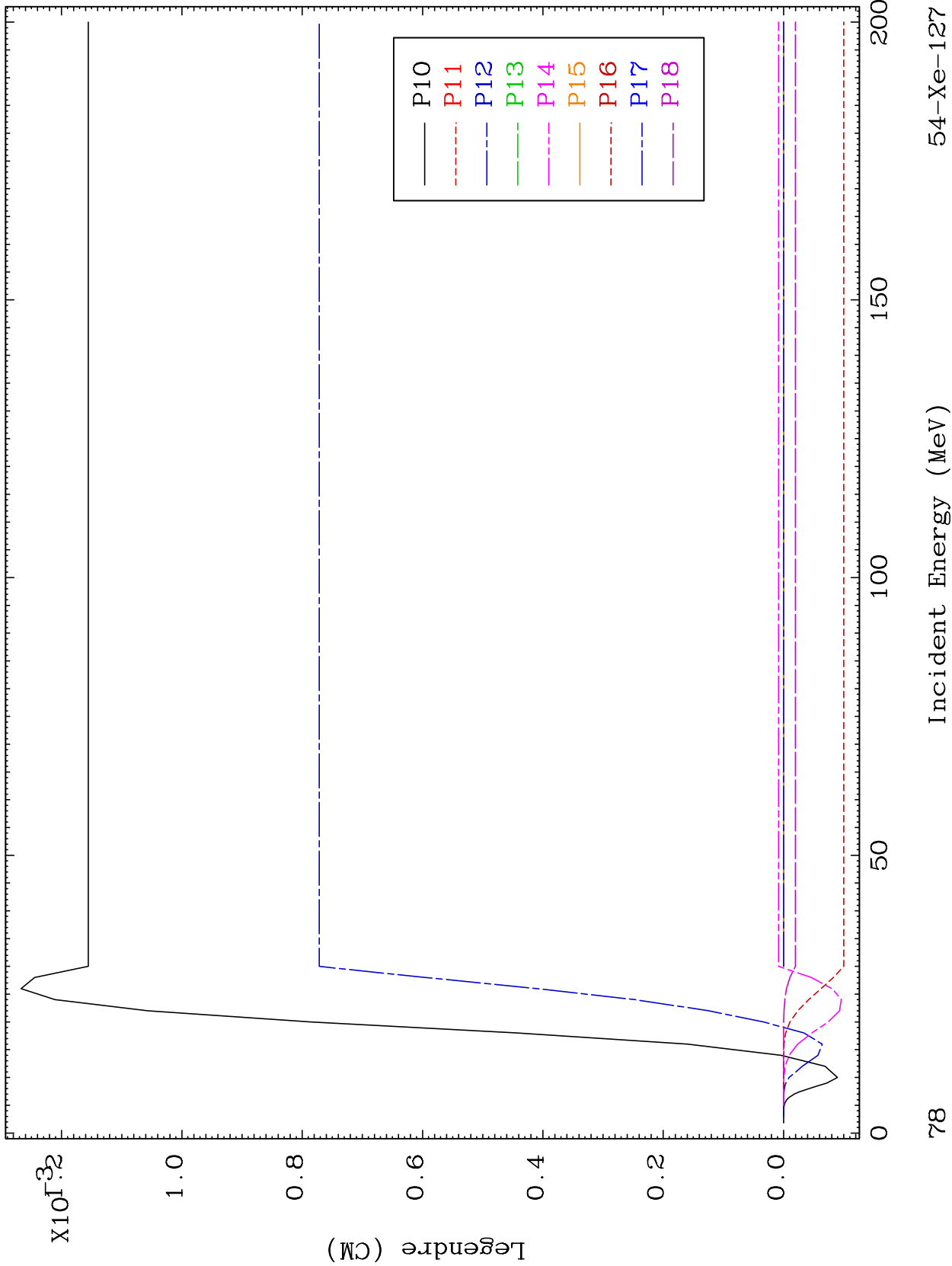
Incident Energy (MeV)

54-Xe-127

MAT 5434

846.0 keV (n,n') Level
Legendre Coefficients

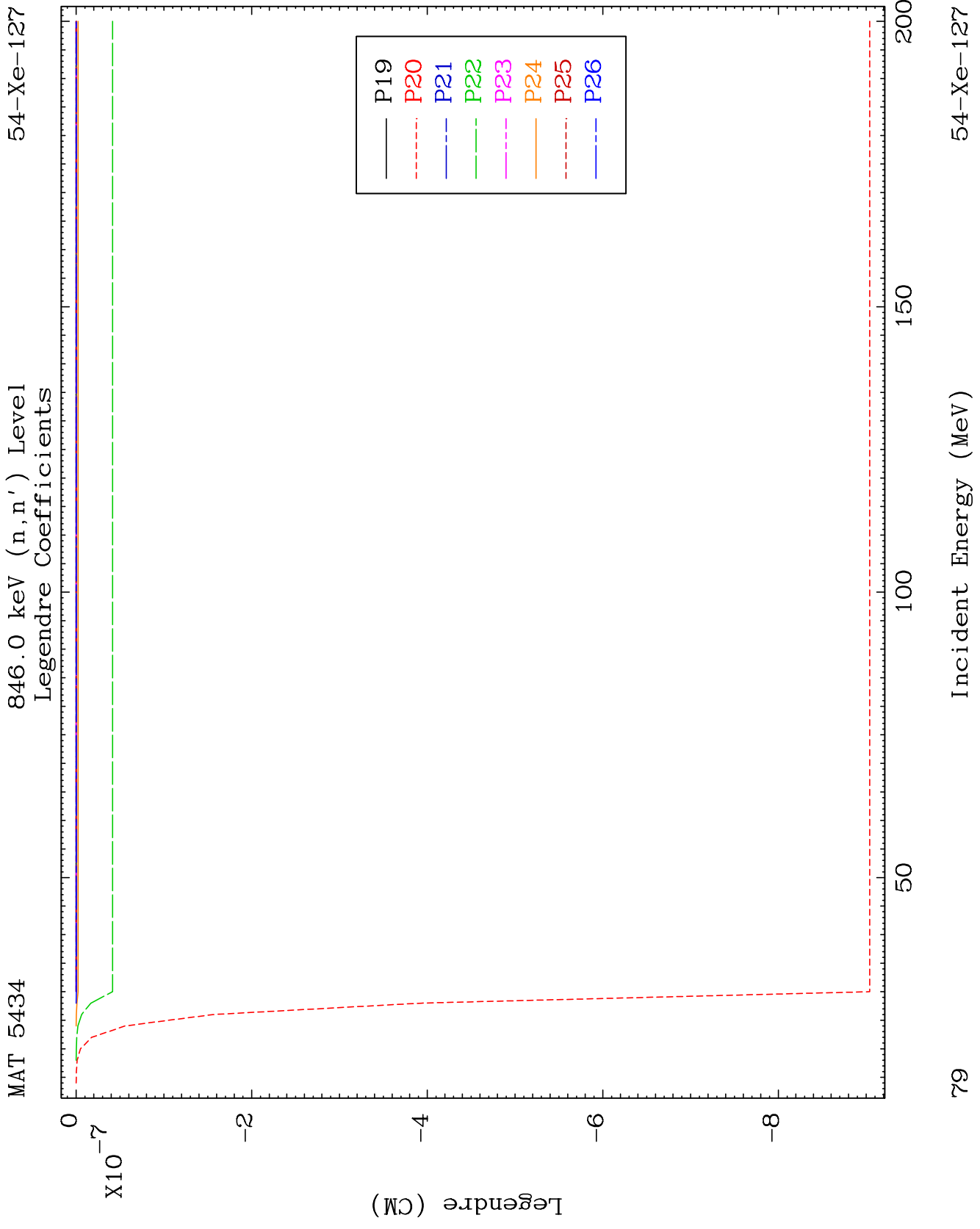
54-Xe-127



78

Incident Energy (MeV)

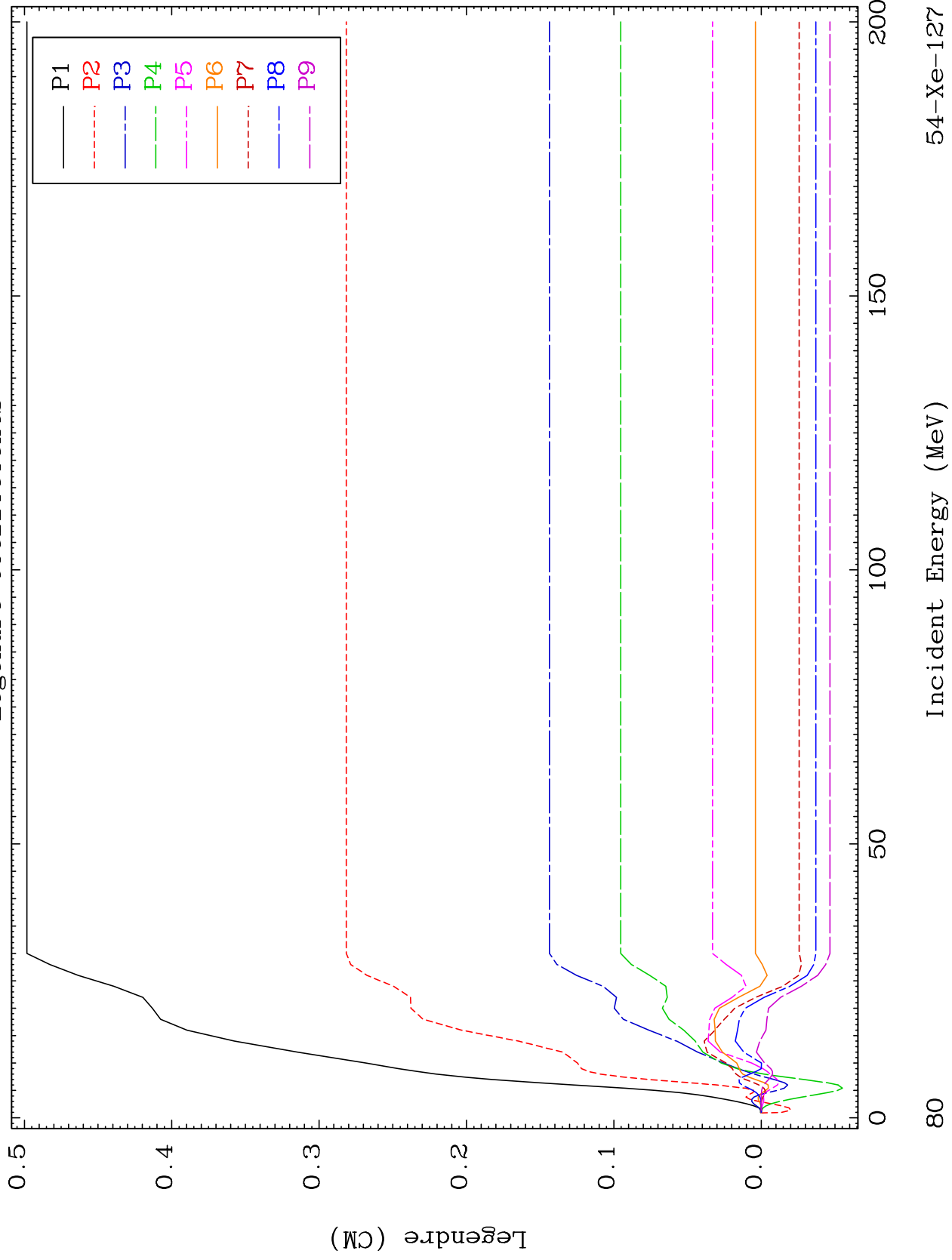
54-Xe-127



MAT 5434

878.1 keV (n, n') Level
Legendre Coefficients

54-Xe-127



54-Xe-127

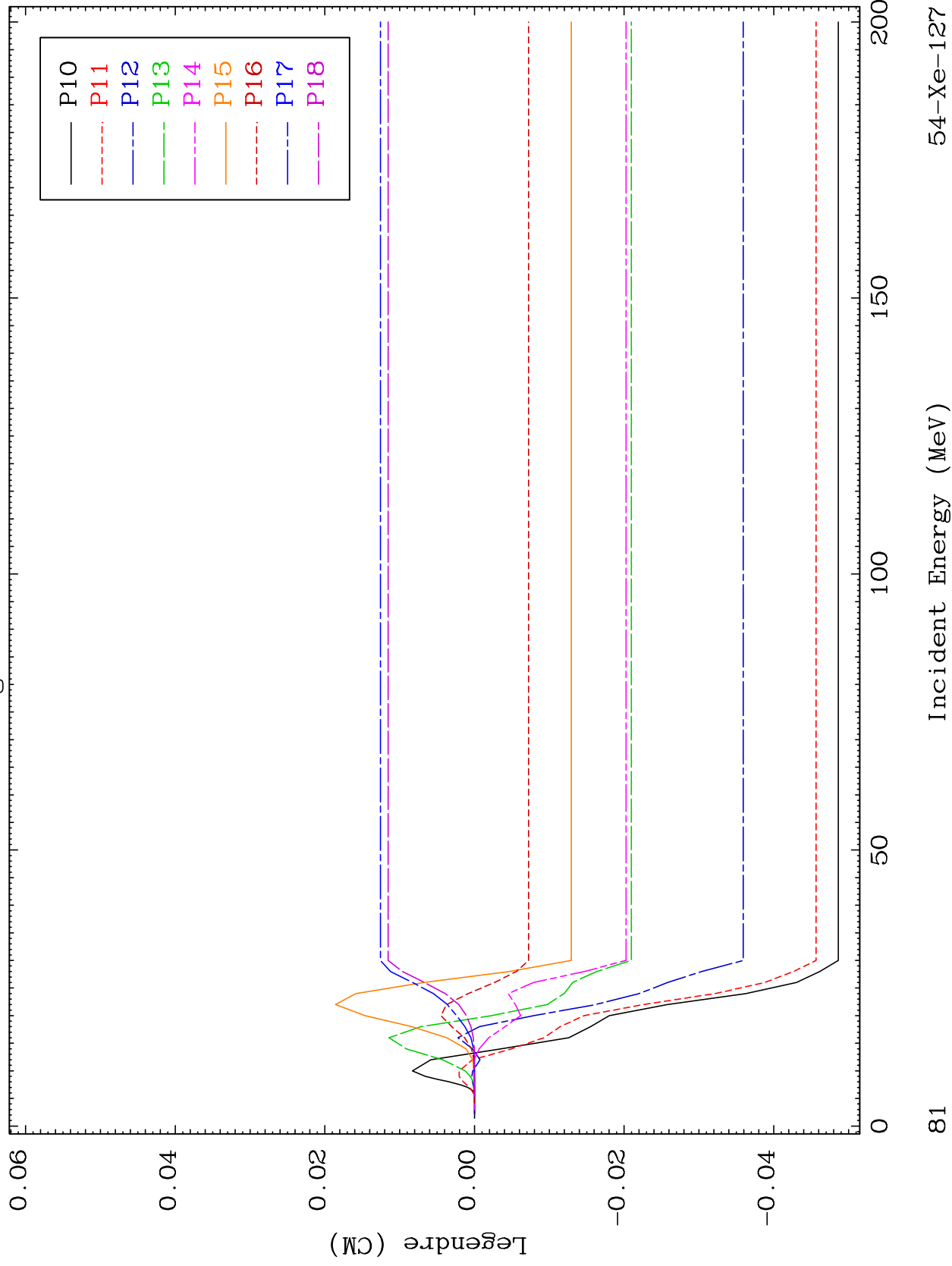
Incident Energy (MeV)

80

MAT 5434

878.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



81

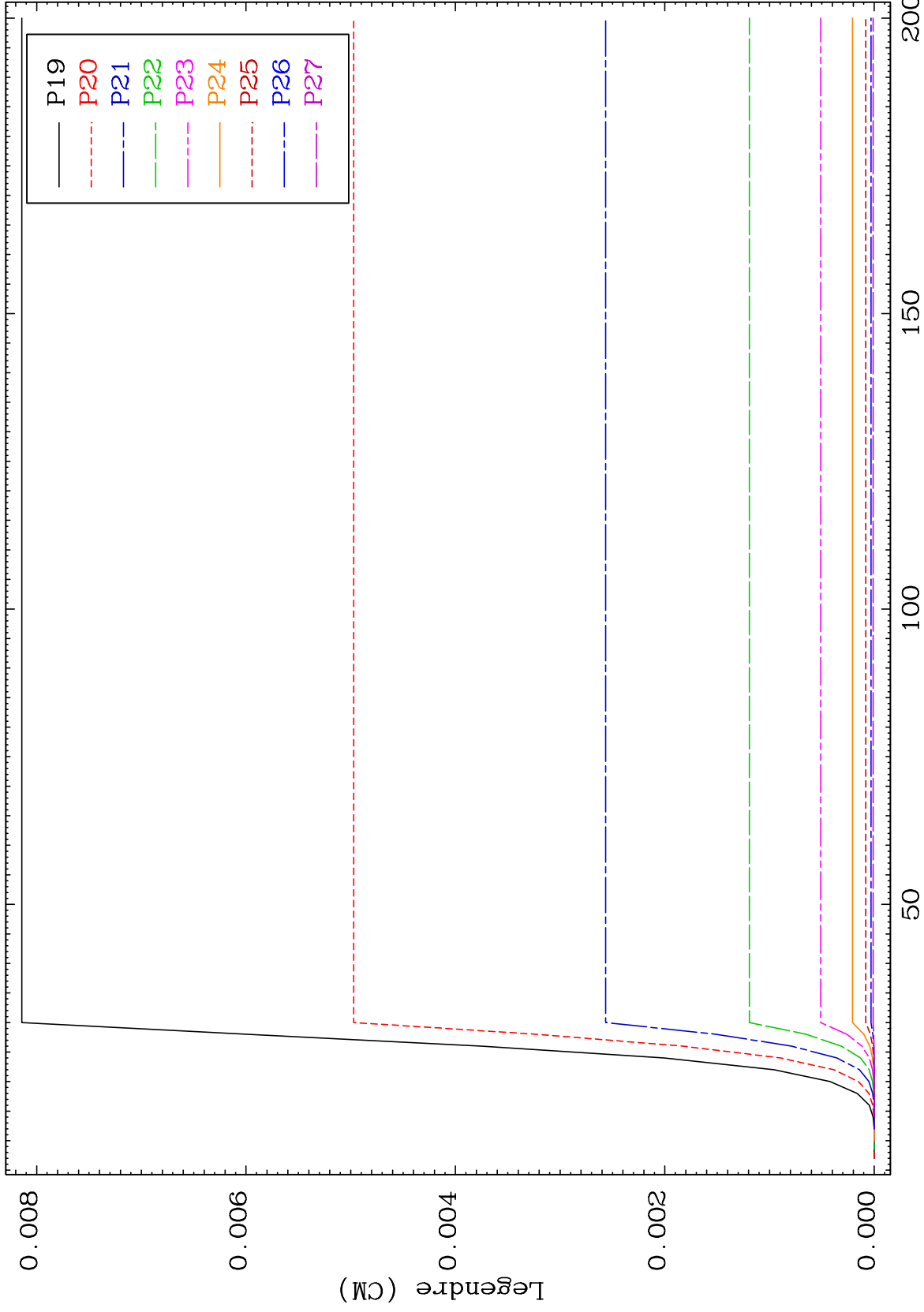
Incident Energy (MeV)

54-Xe-127

MAT 5434

878.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



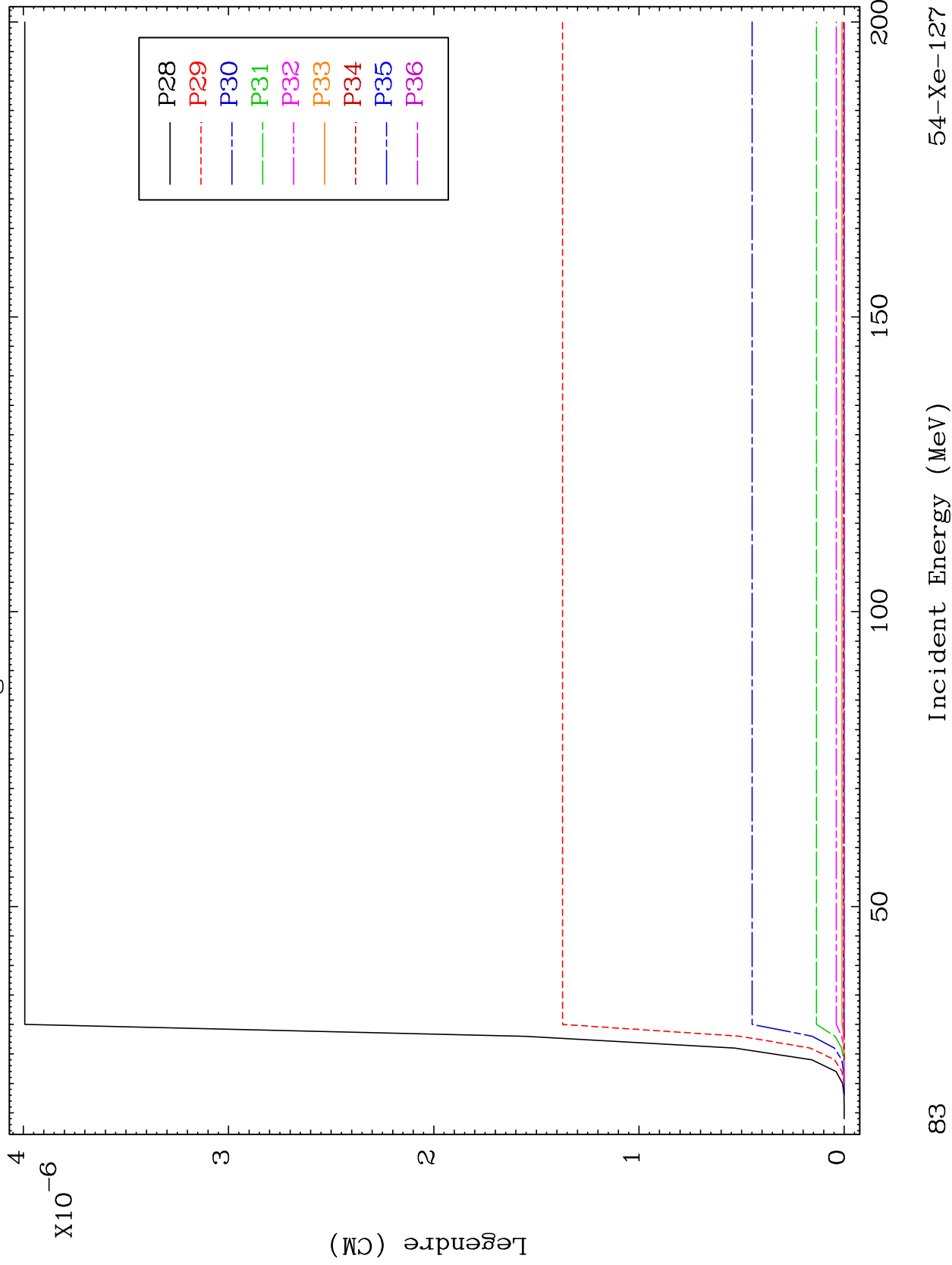
82

54-Xe-127

MAT 5434

878.1 keV (n,n') Level
Legendre Coefficients

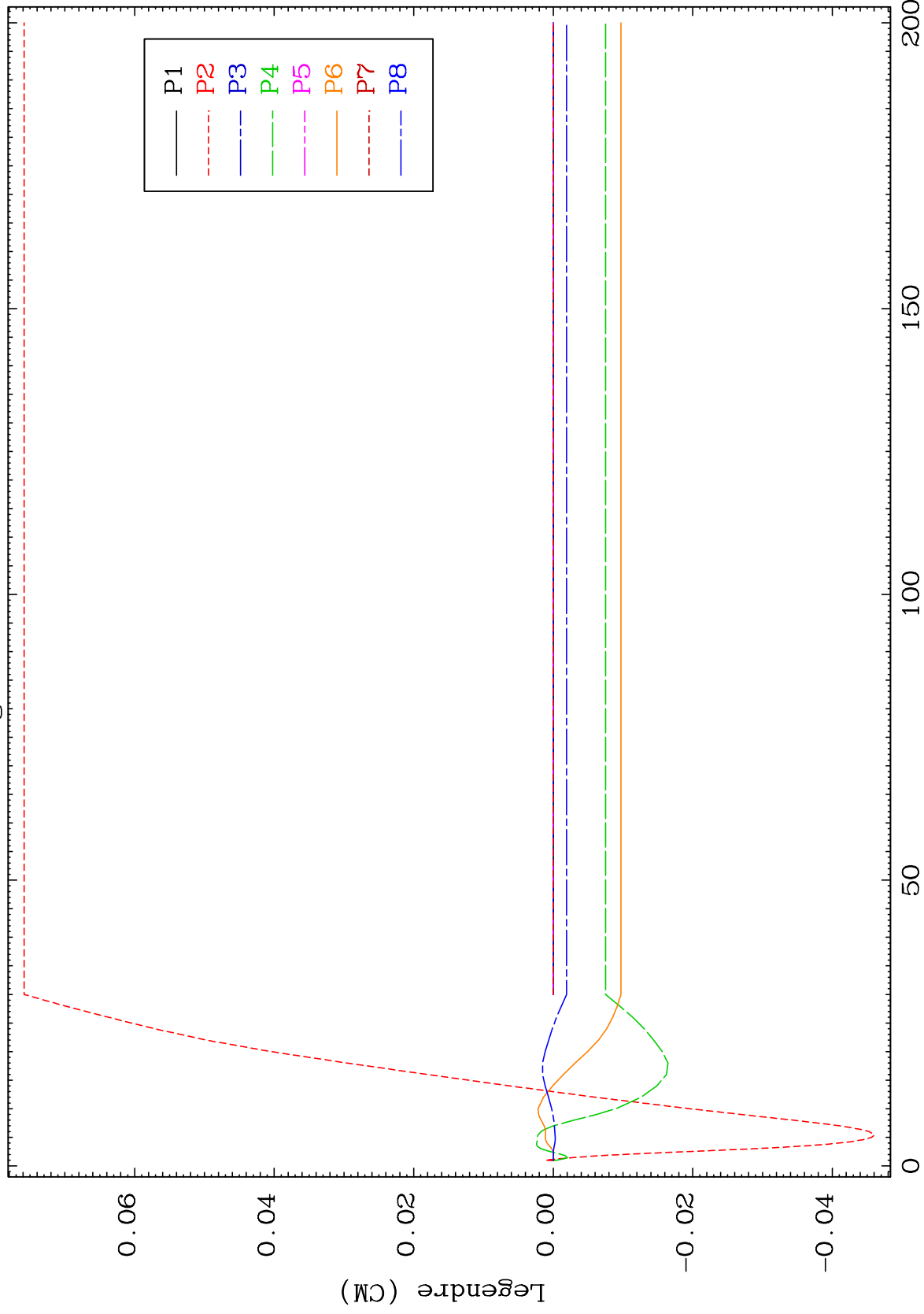
54-Xe-127



MAT 5434

897.6 keV (n,n') Level
Legendre Coefficients

54-Xe-127



84

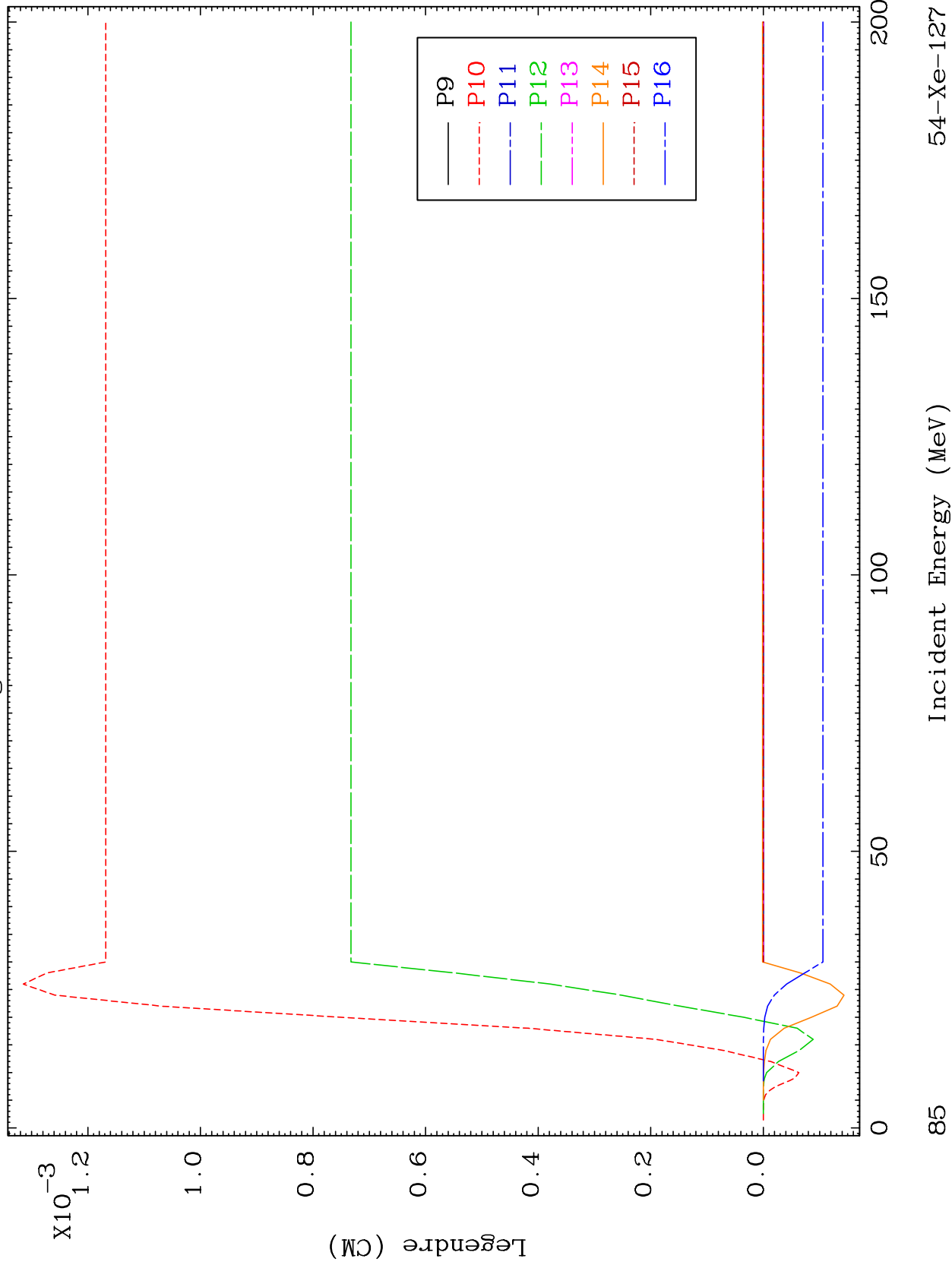
Incident Energy (MeV)

54-Xe-127

MAT 5434

897.6 keV (n,n') Level
Legendre Coefficients

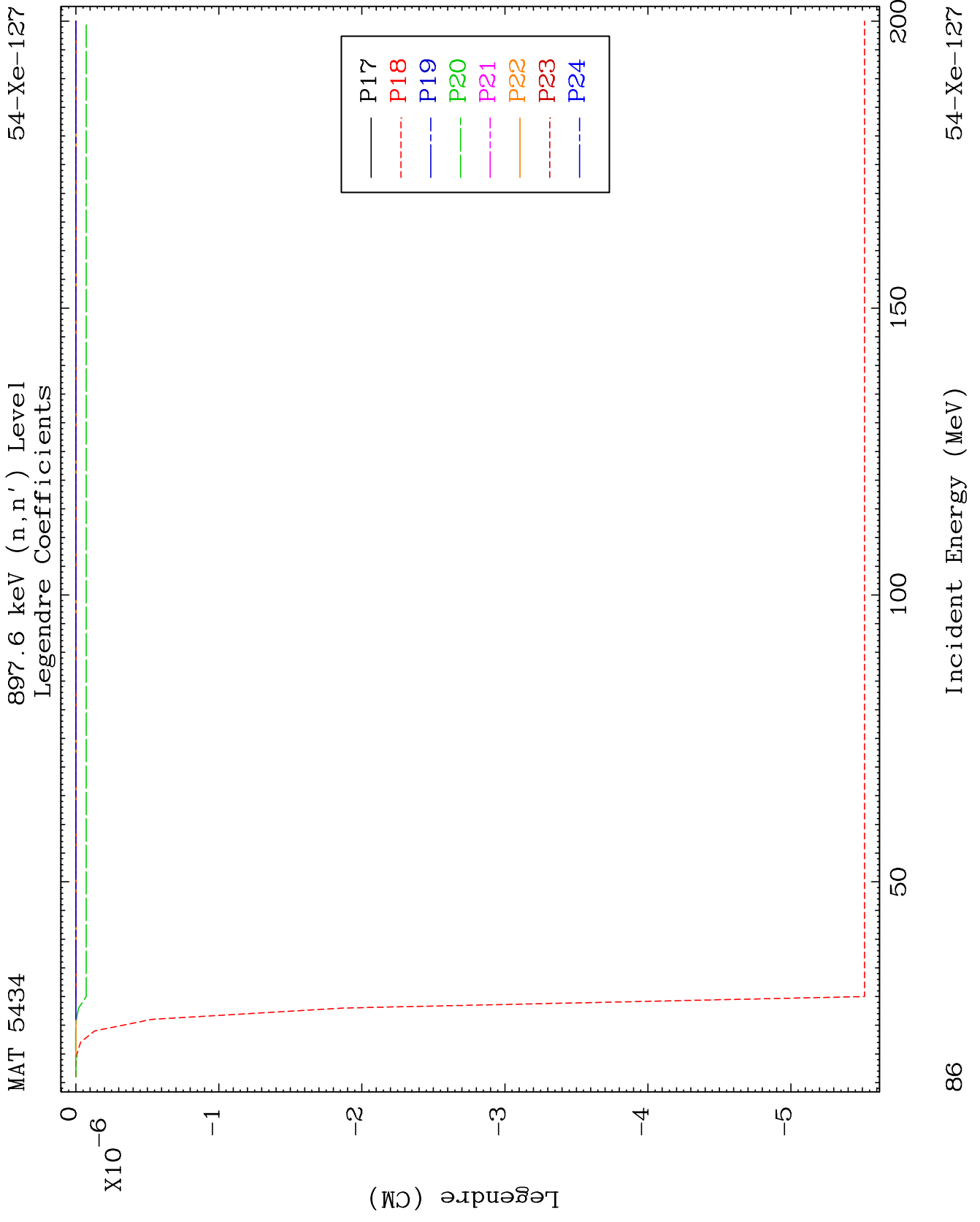
54-Xe-127

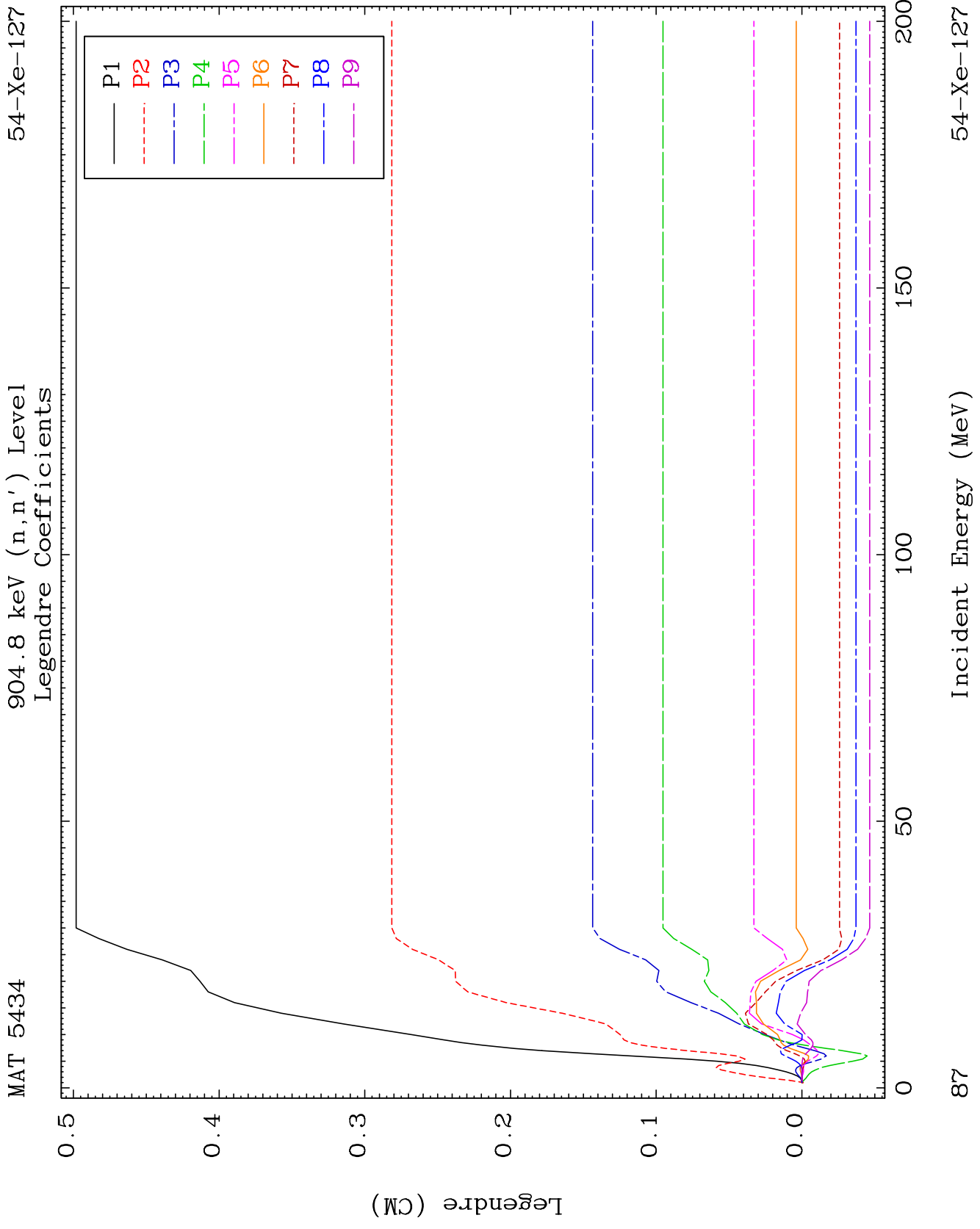


54-Xe-127

Incident Energy (MeV)

85

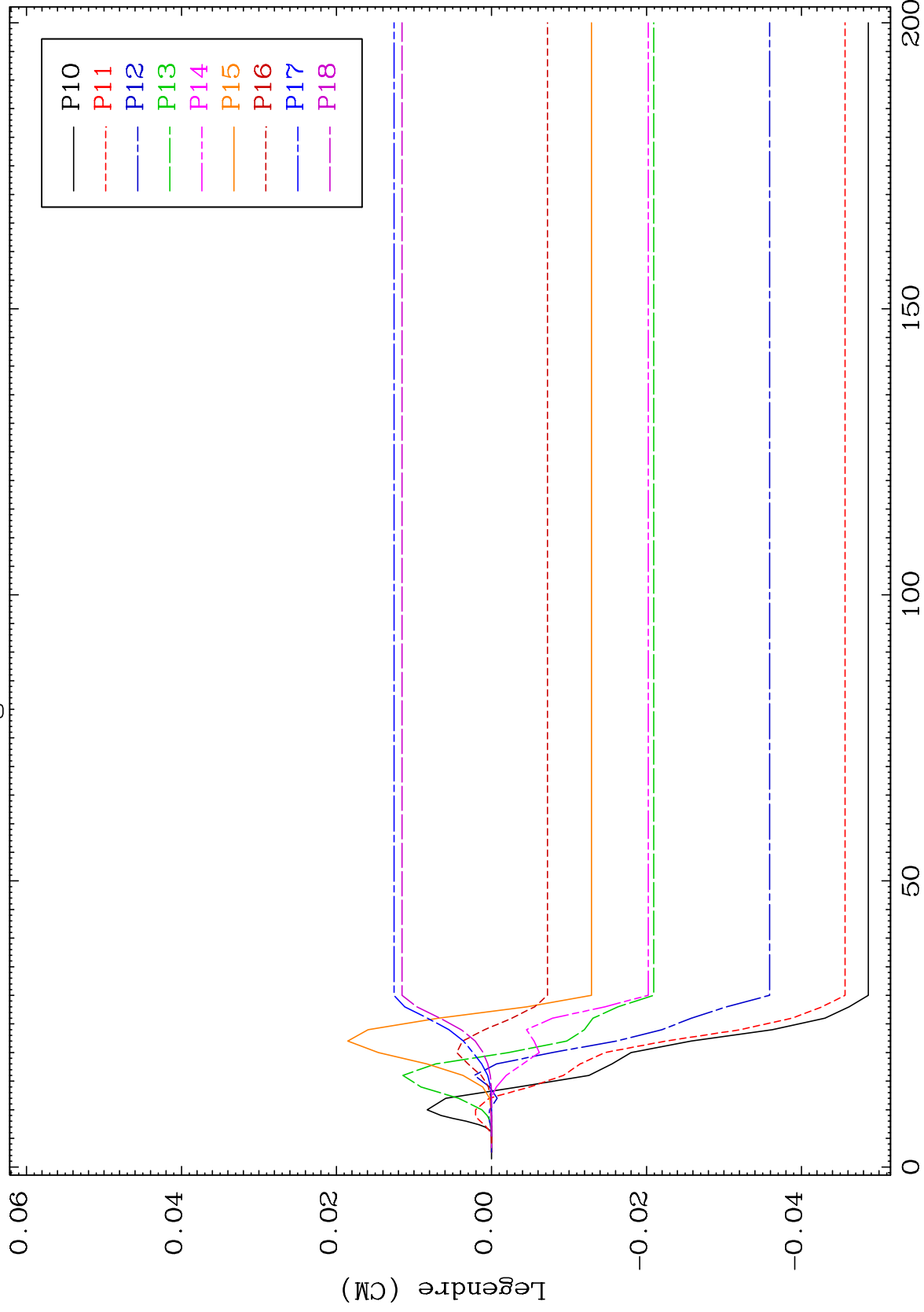




MAT 5434

904.8 keV (n,n') Level
Legendre Coefficients

54-Xe-127



88

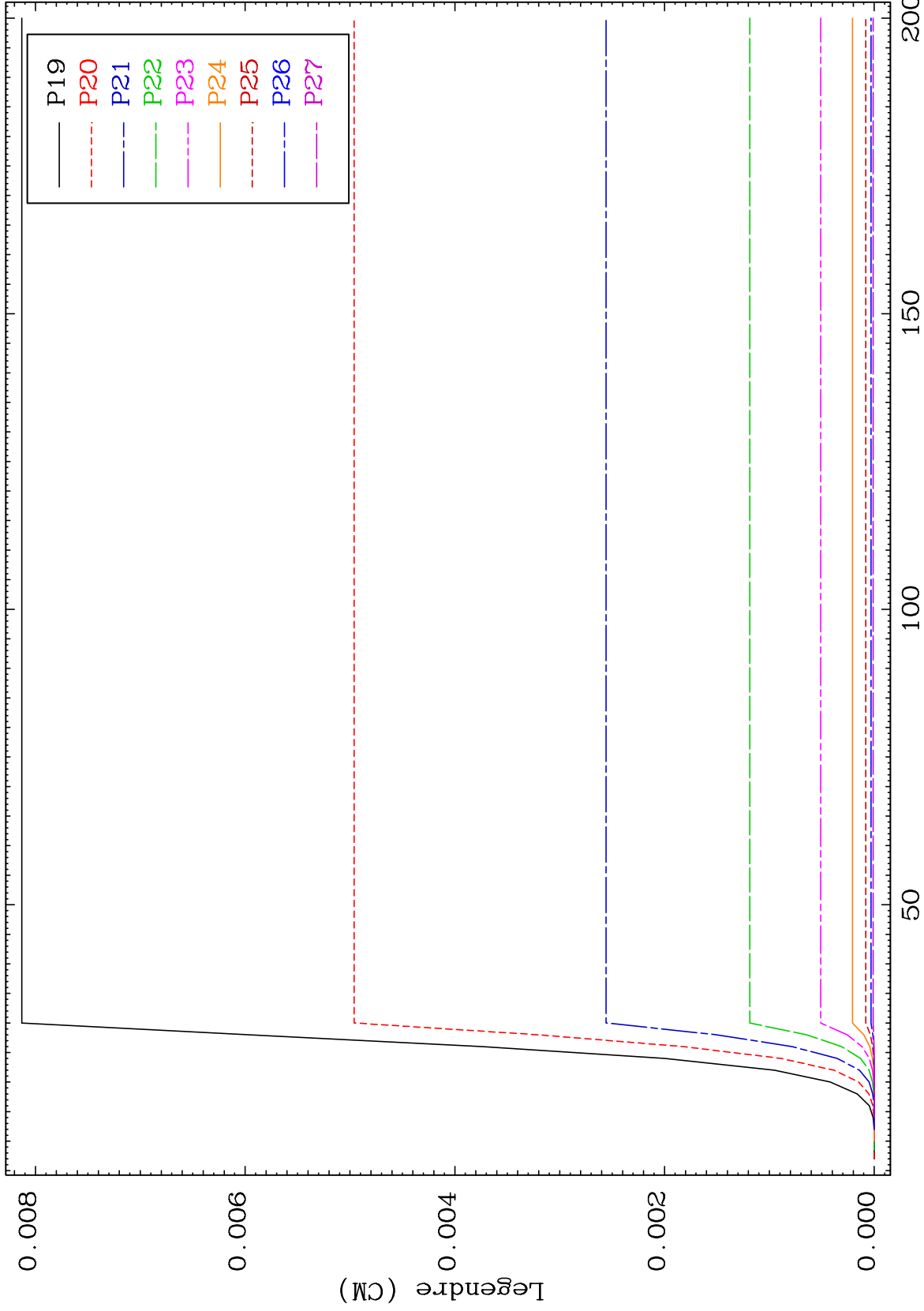
Incident Energy (MeV)

54-Xe-127

MAT 5434

904.8 keV (n,n') Level
Legendre Coefficients

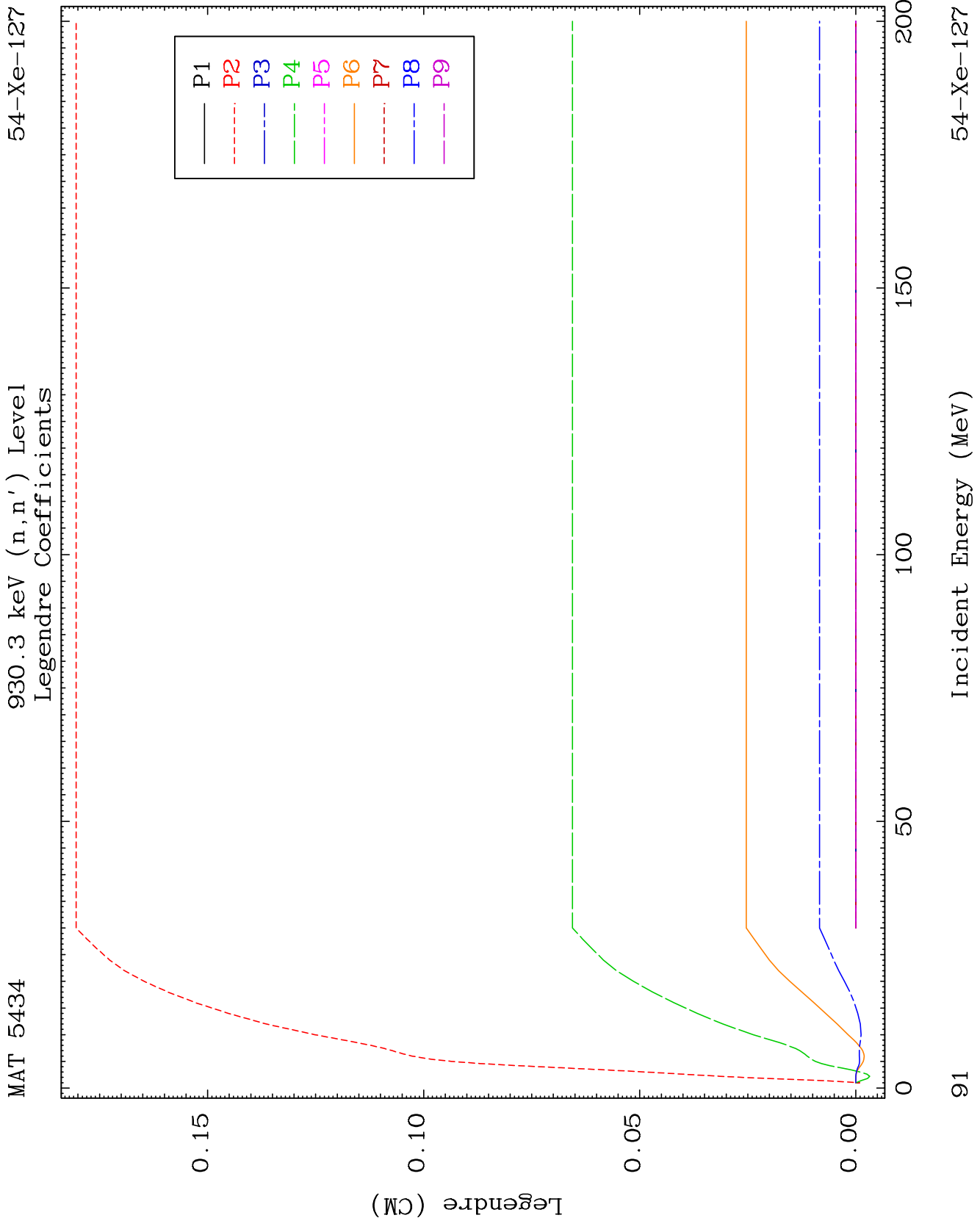
54-Xe-127



89

Incident Energy (MeV)

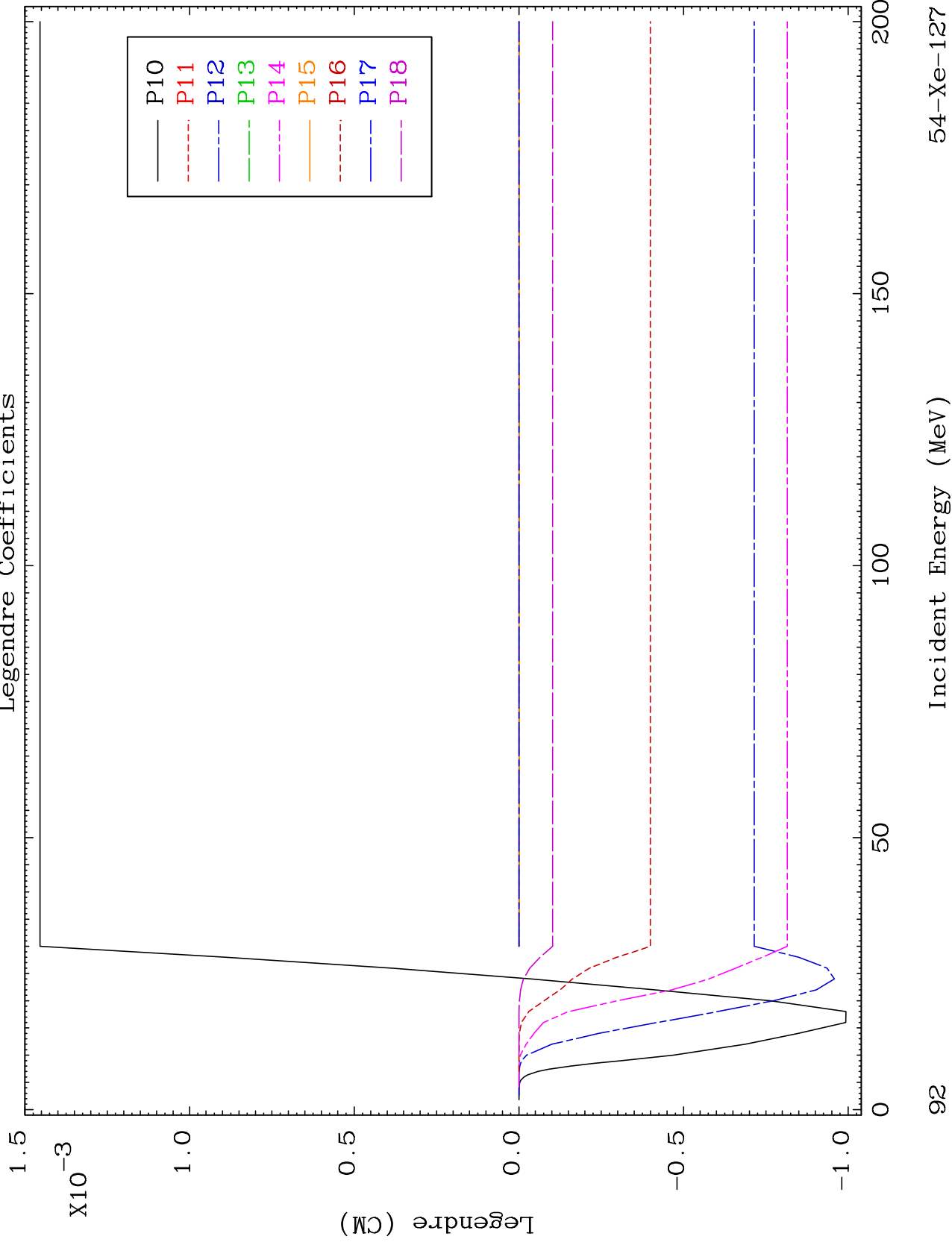
54-Xe-127



MAT 5434

930.3 keV (n,n') Level
Legendre Coefficients

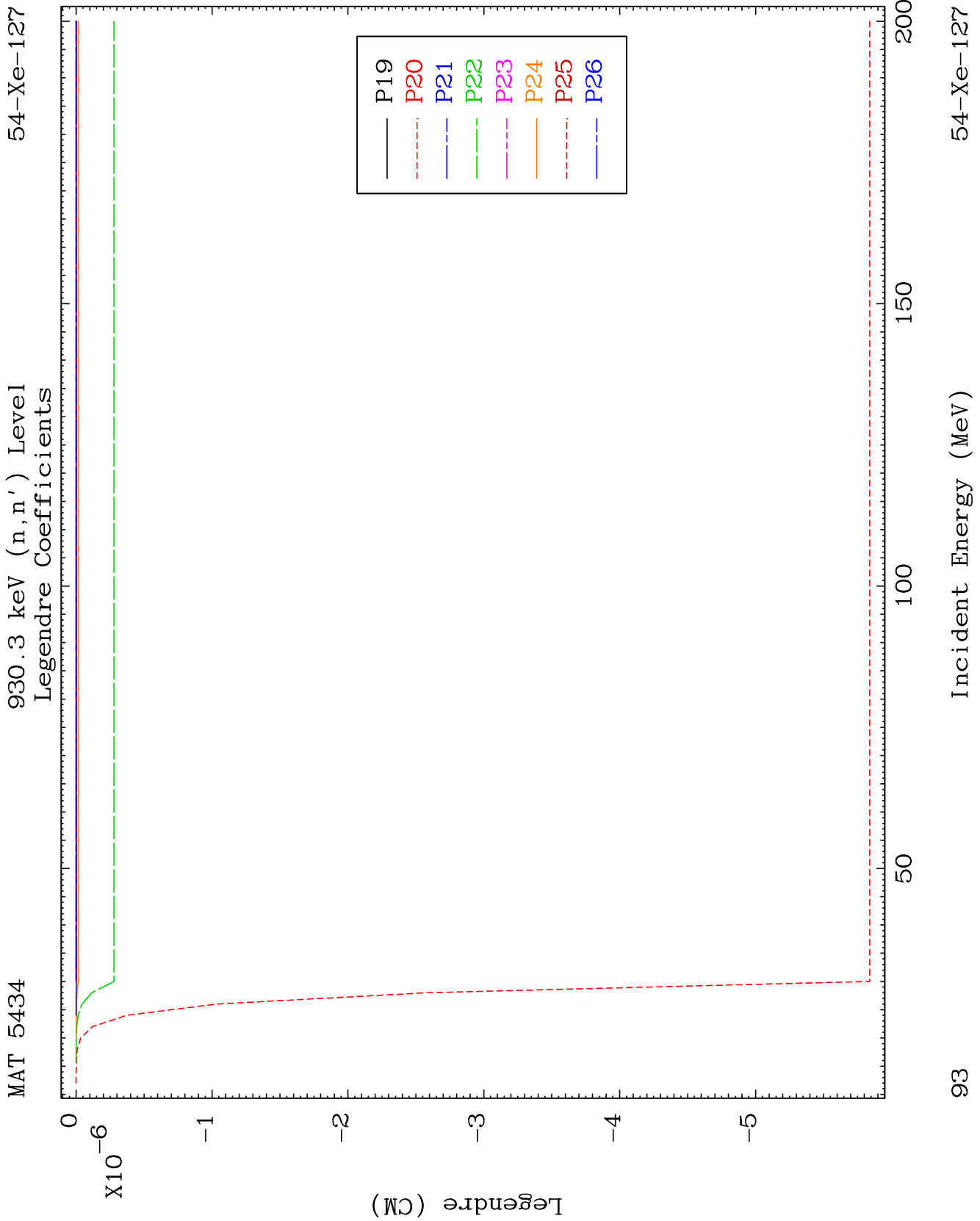
54-Xe-127

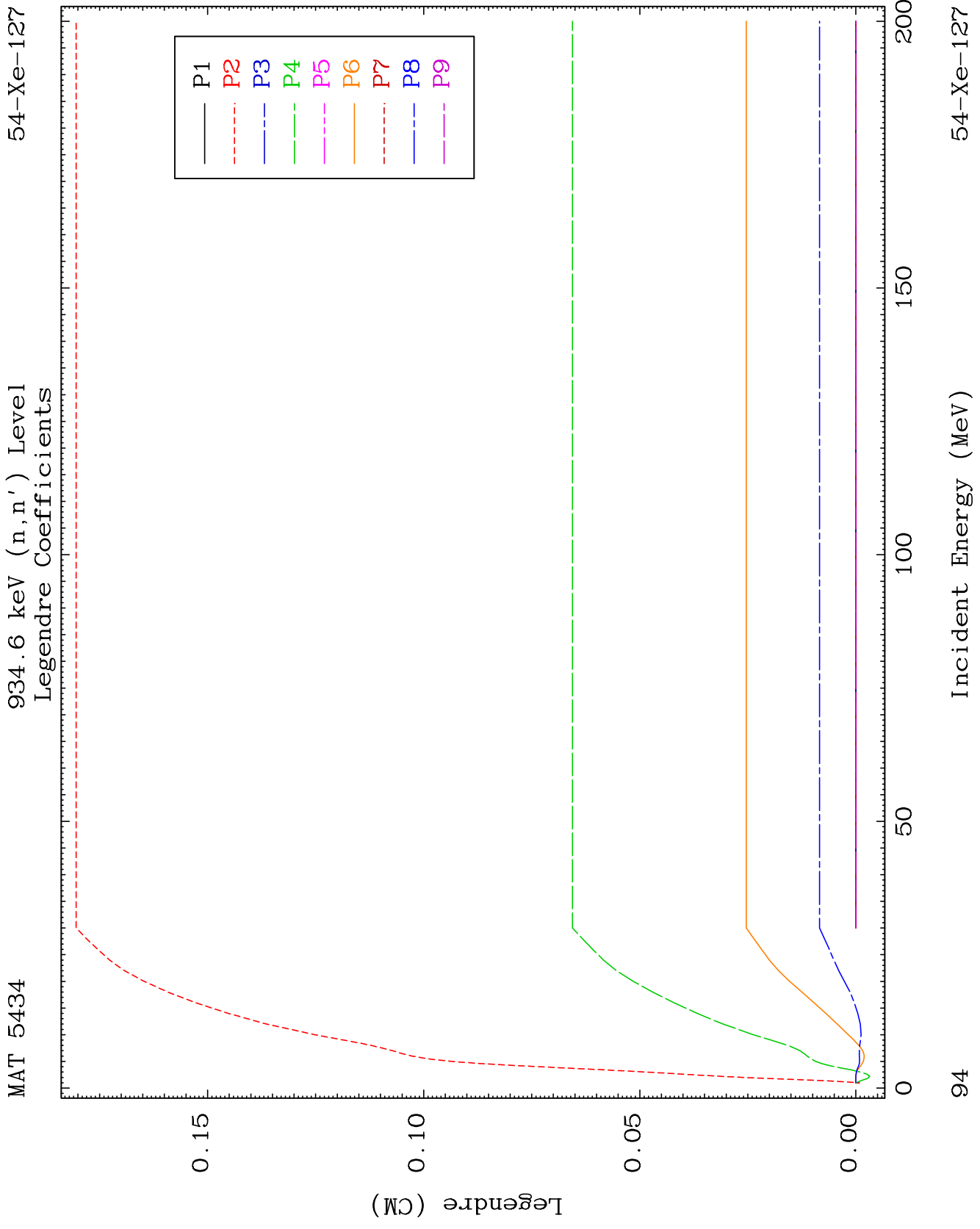


92

Incident Energy (MeV)

54-Xe-127

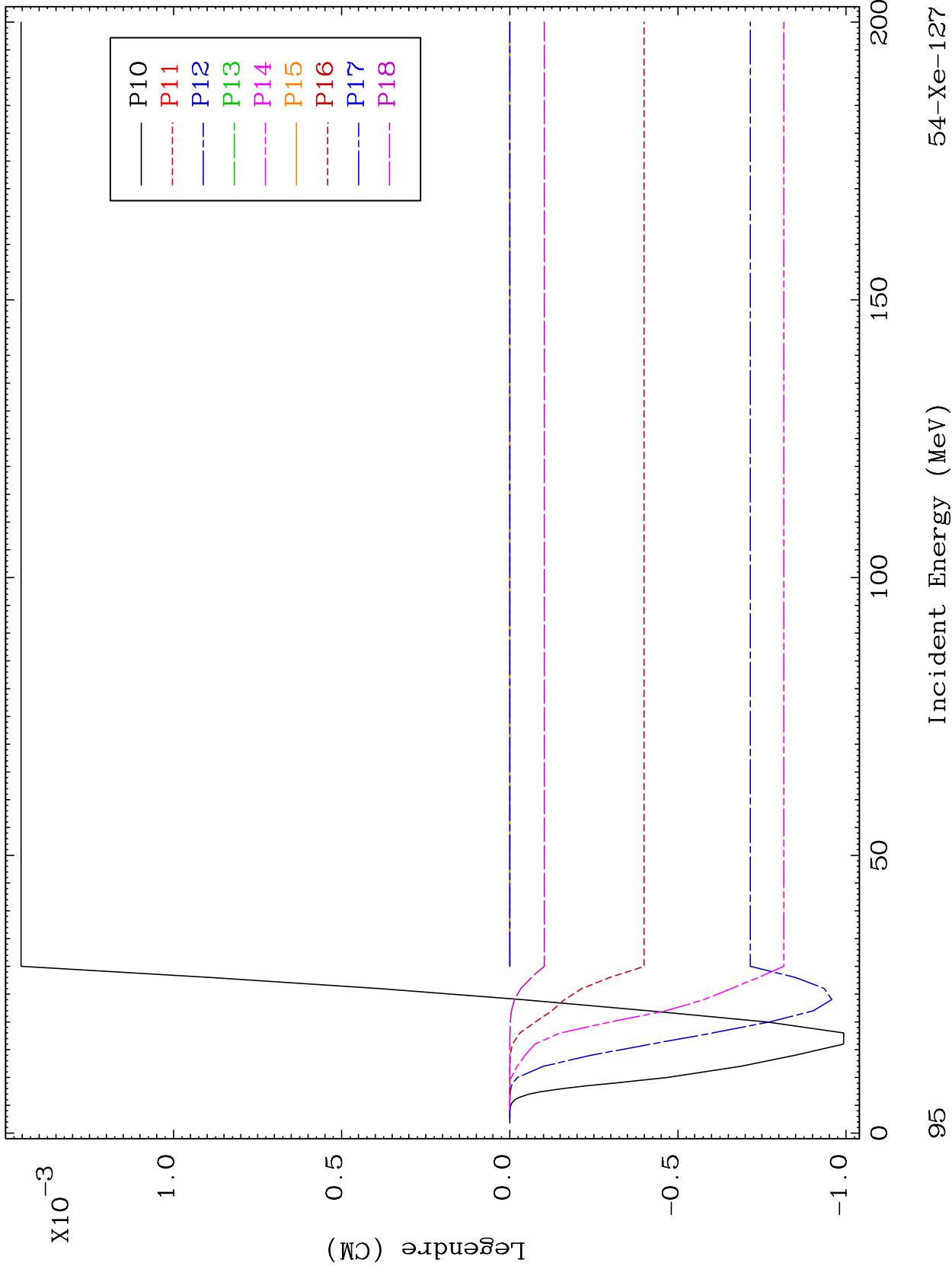




MAT 5434

934.6 keV (n,n') Level
Legendre Coefficients

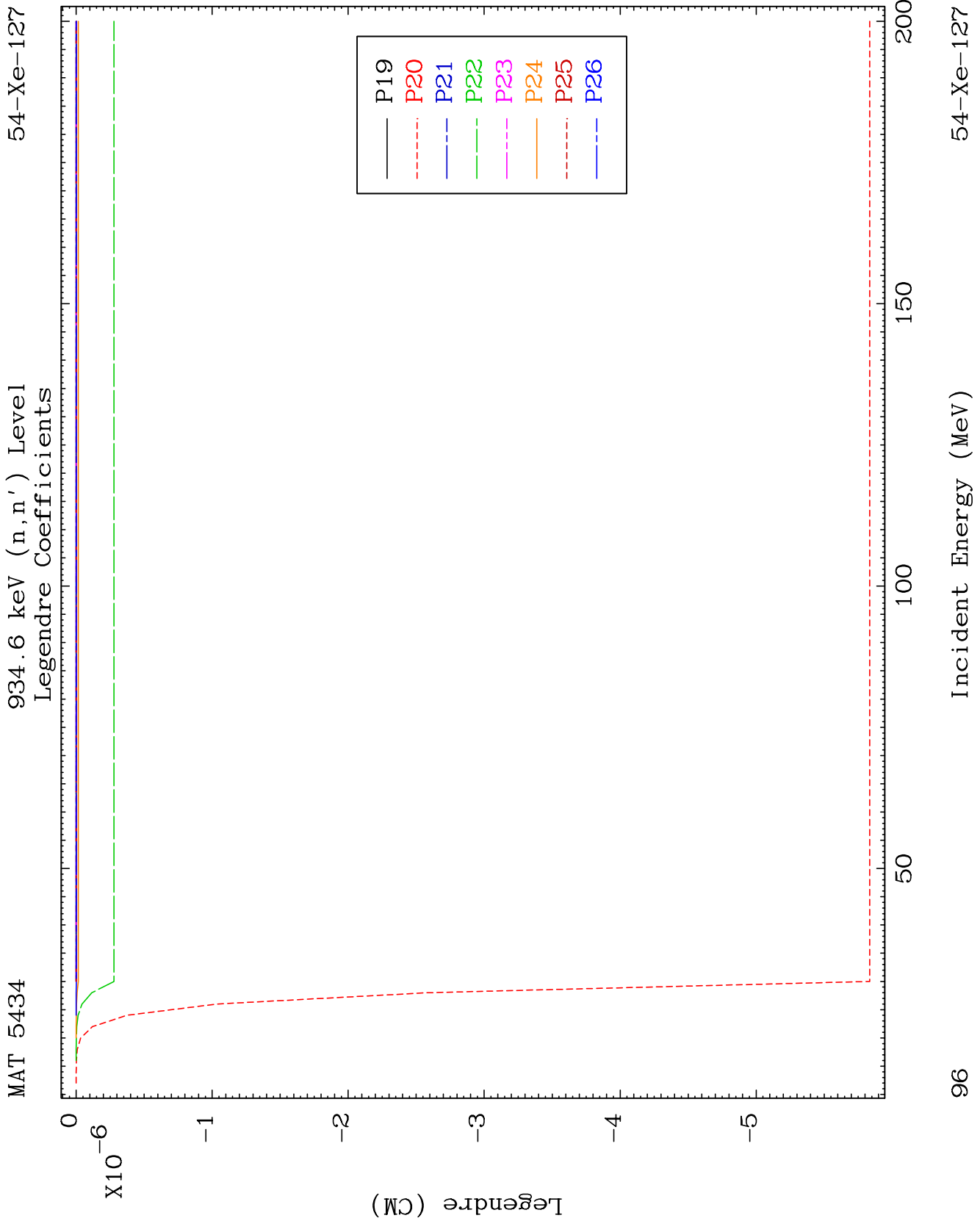
54-Xe-127



54-Xe-127

Incident Energy (MeV)

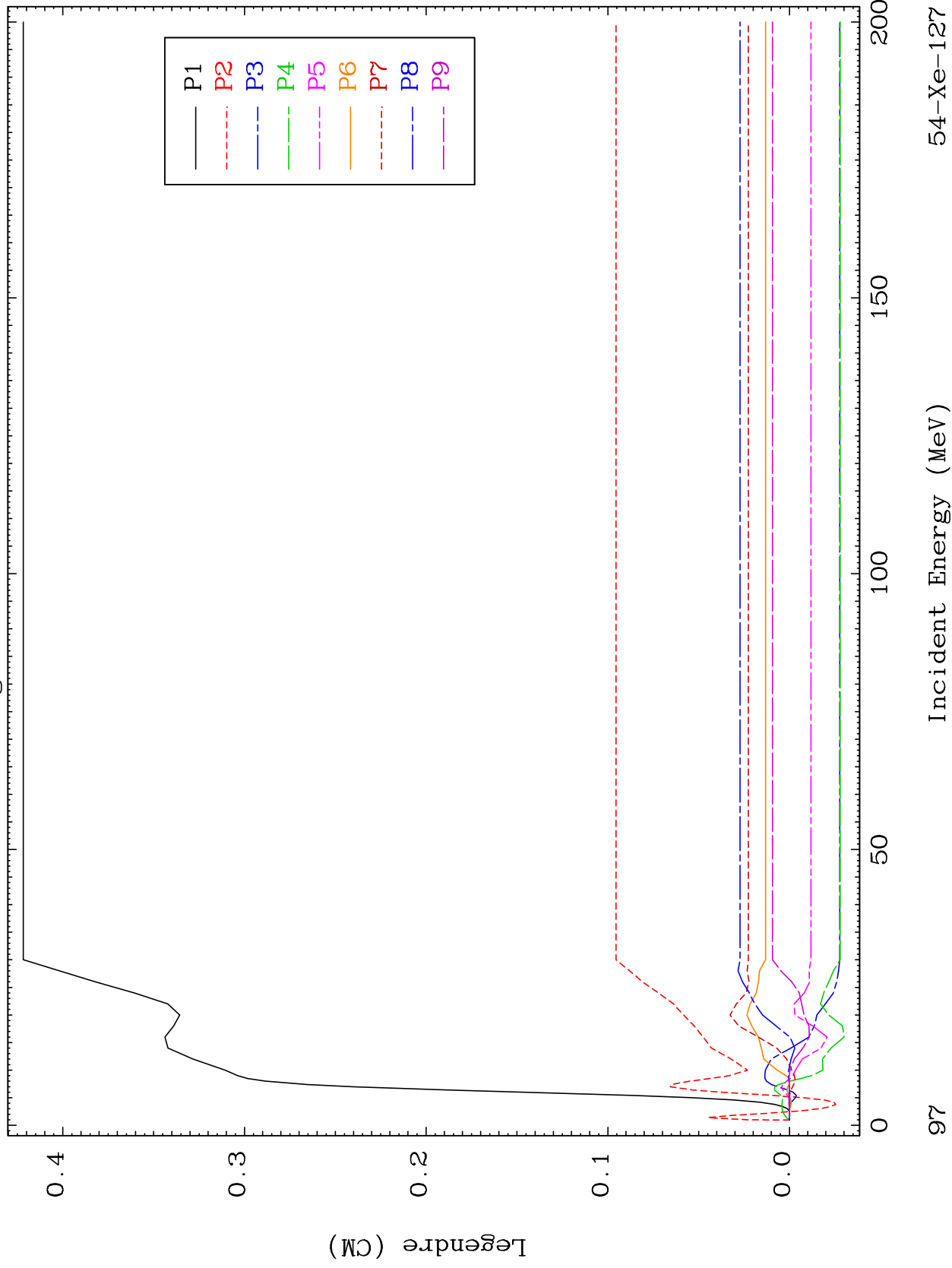
95



MAT 5434

938.2 keV (n,n') Level
Legendre Coefficients

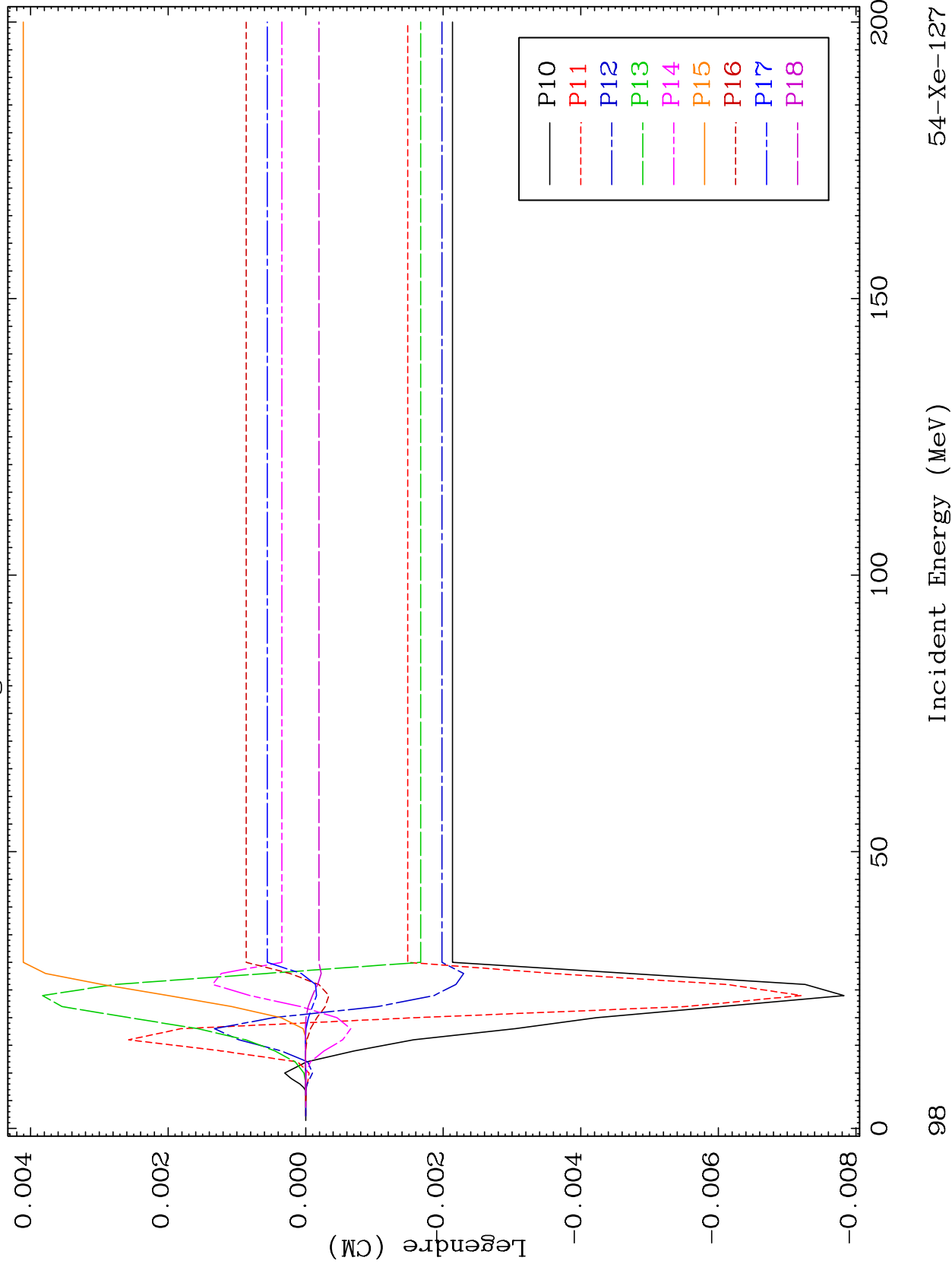
54-Xe-127



MAT 5434

938.2 keV (n,n') Level
Legendre Coefficients

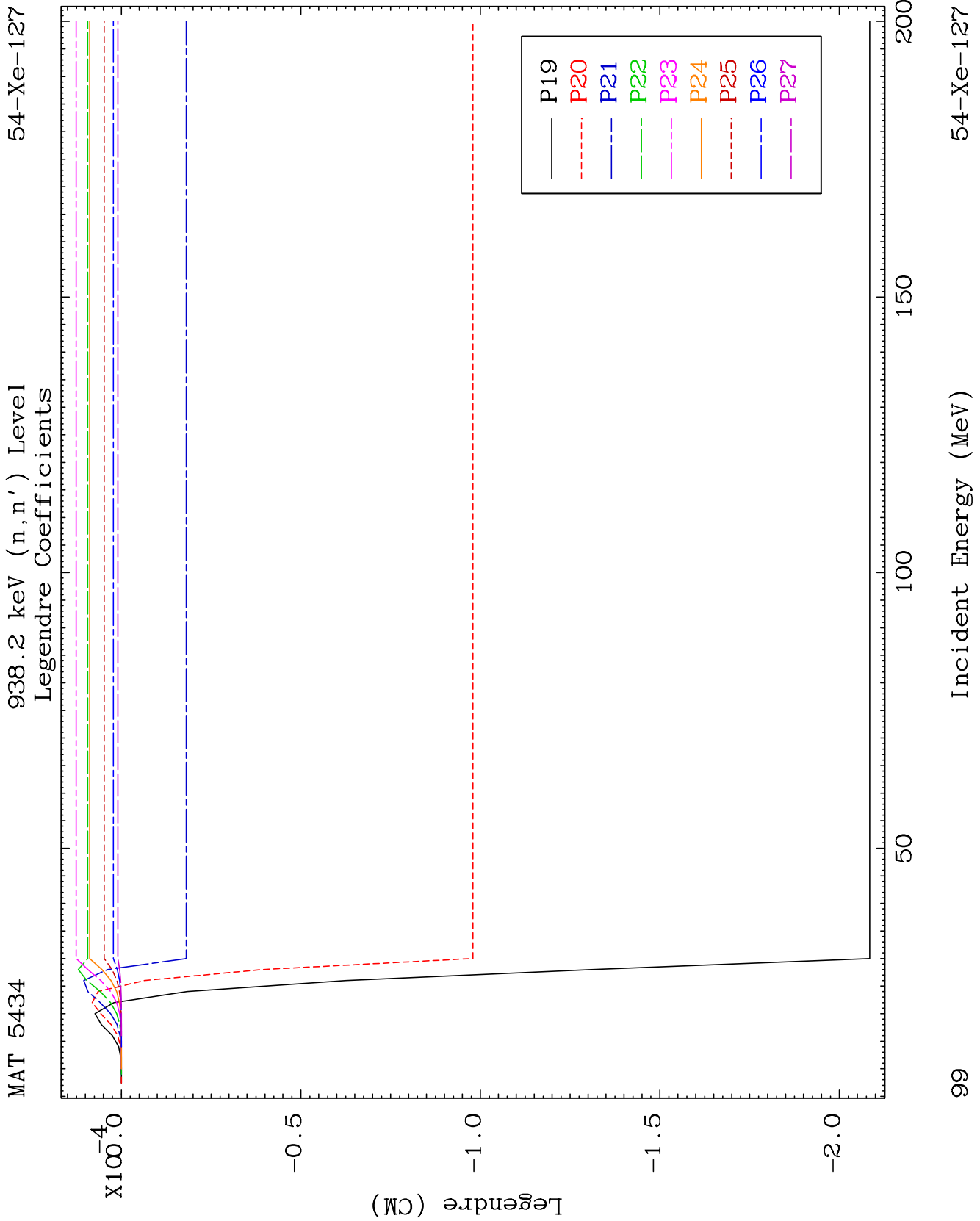
54-Xe-127



98

Incident Energy (MeV)

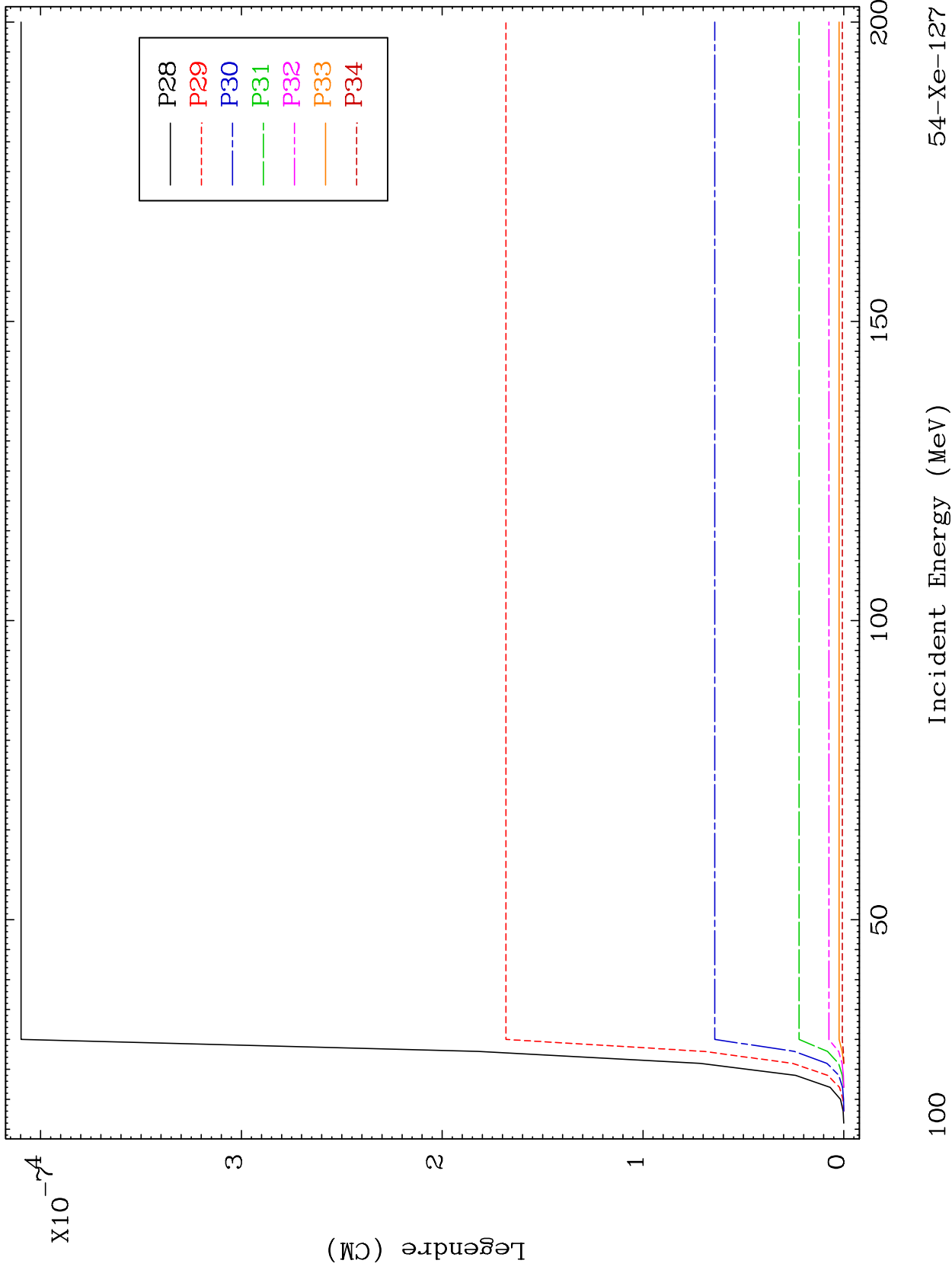
54-Xe-127



MAT 5434

938.2 keV (n,n') Level
Legendre Coefficients

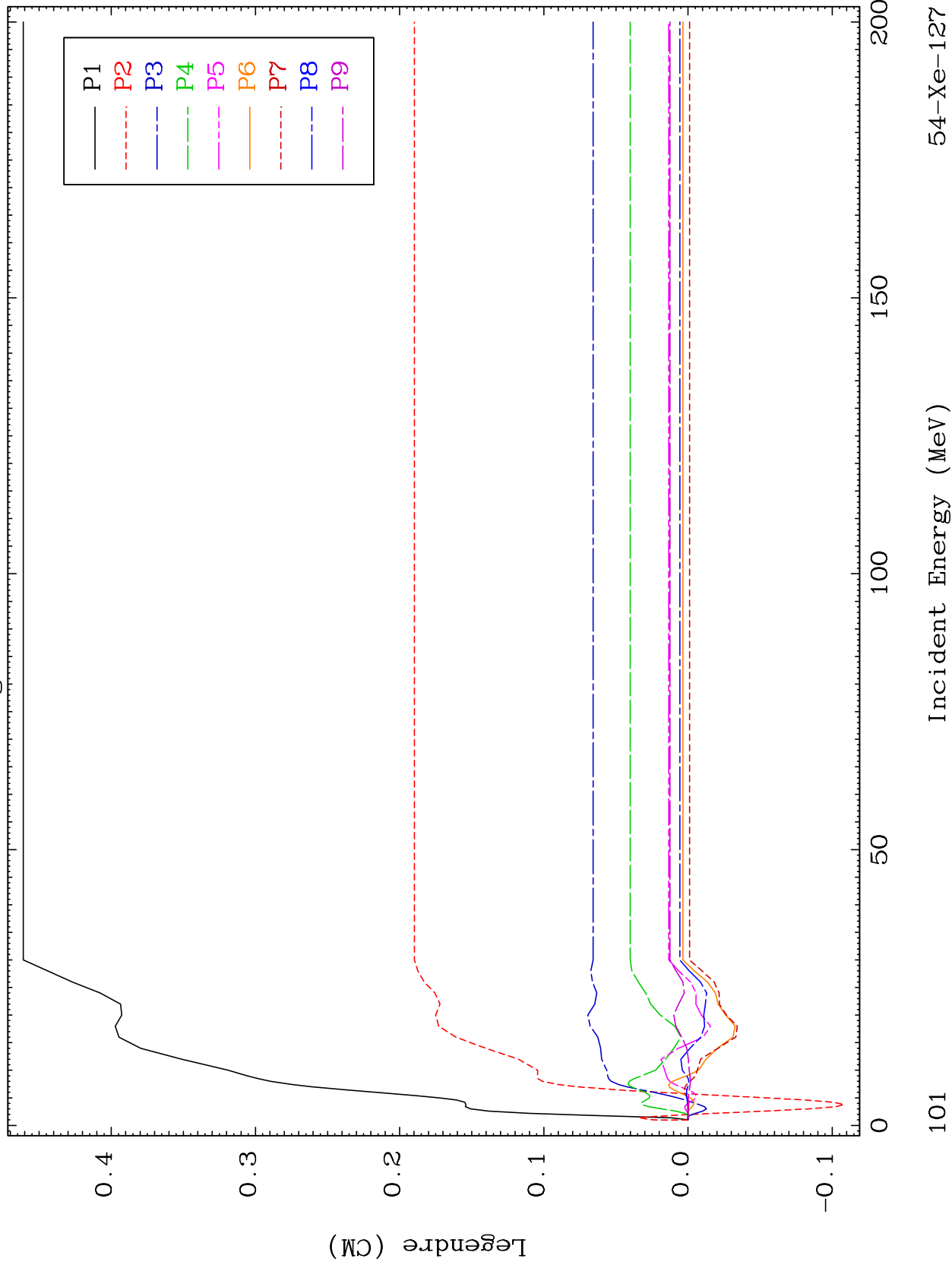
54-Xe-127



MAT 5434

960.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



54-Xe-127

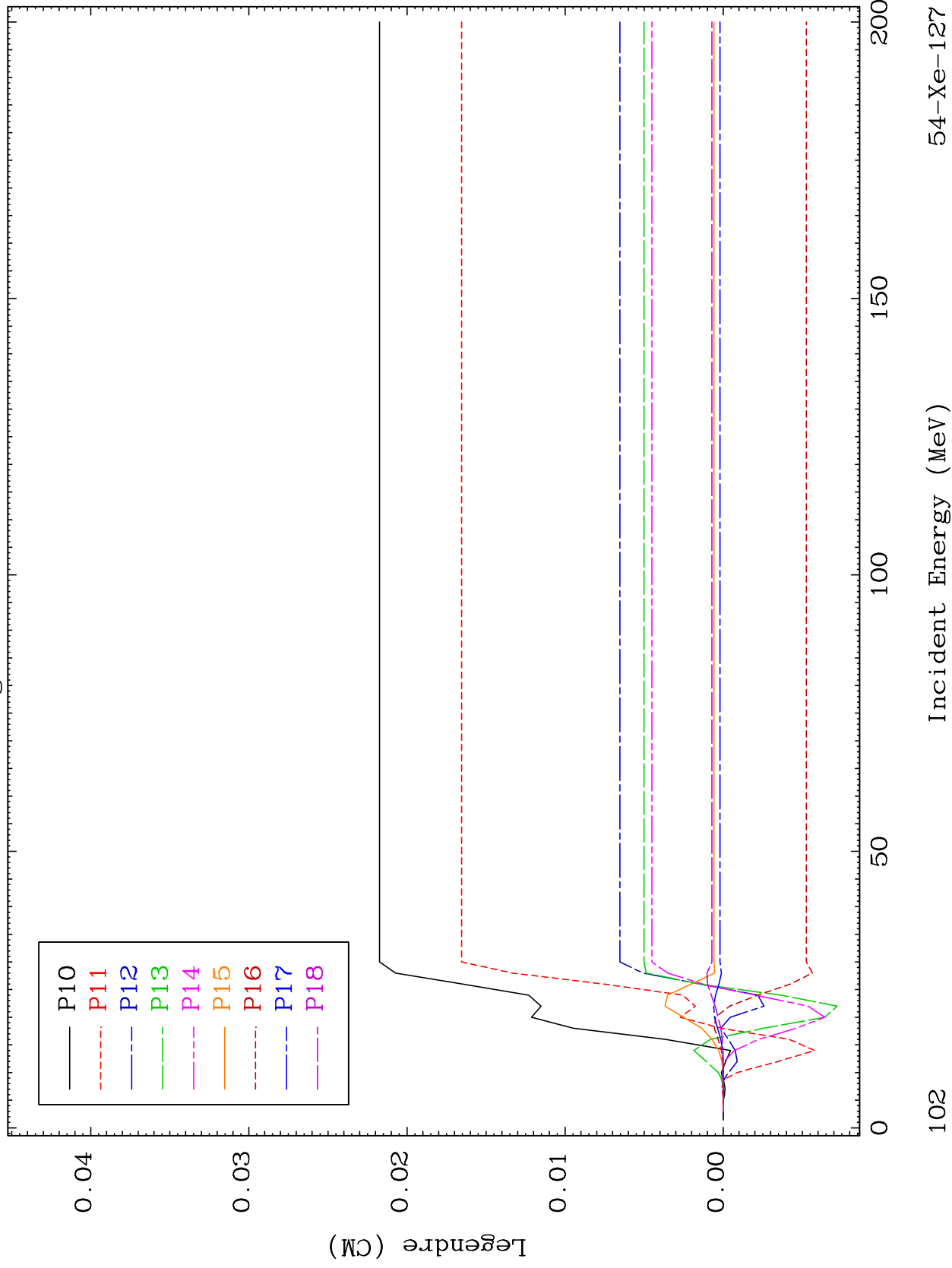
Incident Energy (MeV)

101

MAT 5434

960.1 keV (n,n') Level
Legendre Coefficients

54-Xe-127



54-Xe-127

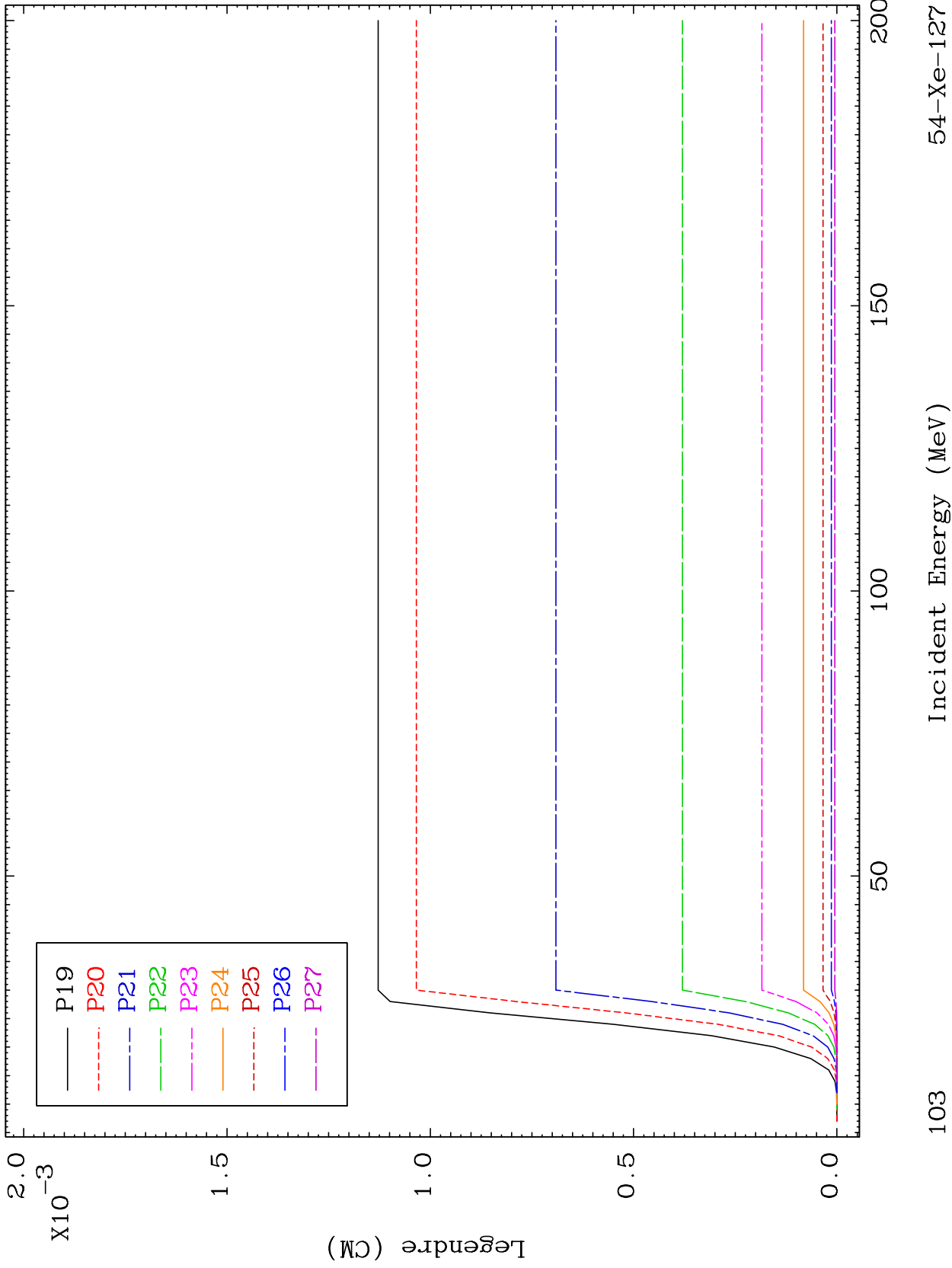
Incident Energy (MeV)

102

MAT 5434

960.1 keV (n,n') Level
Legendre Coefficients

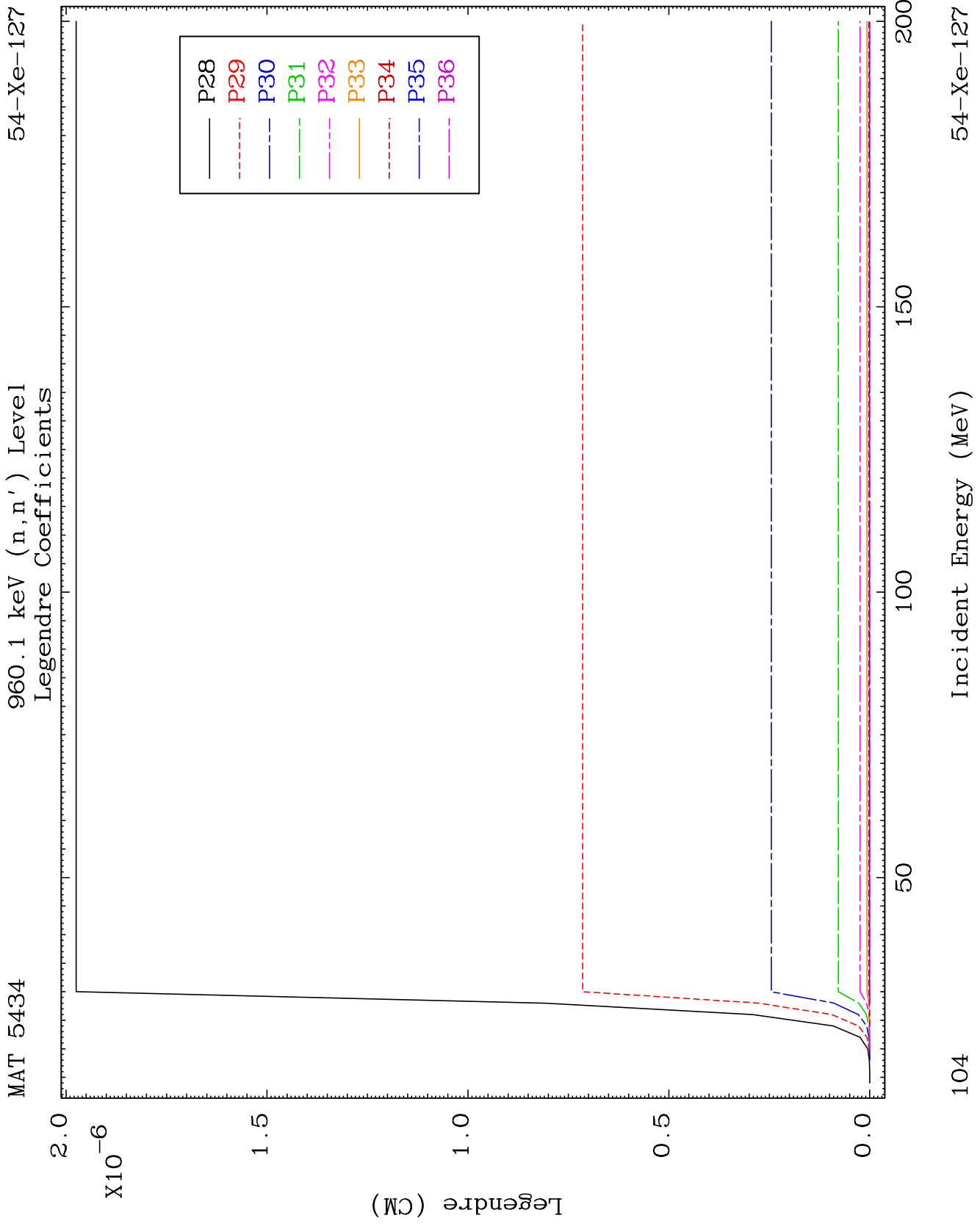
54-Xe-127

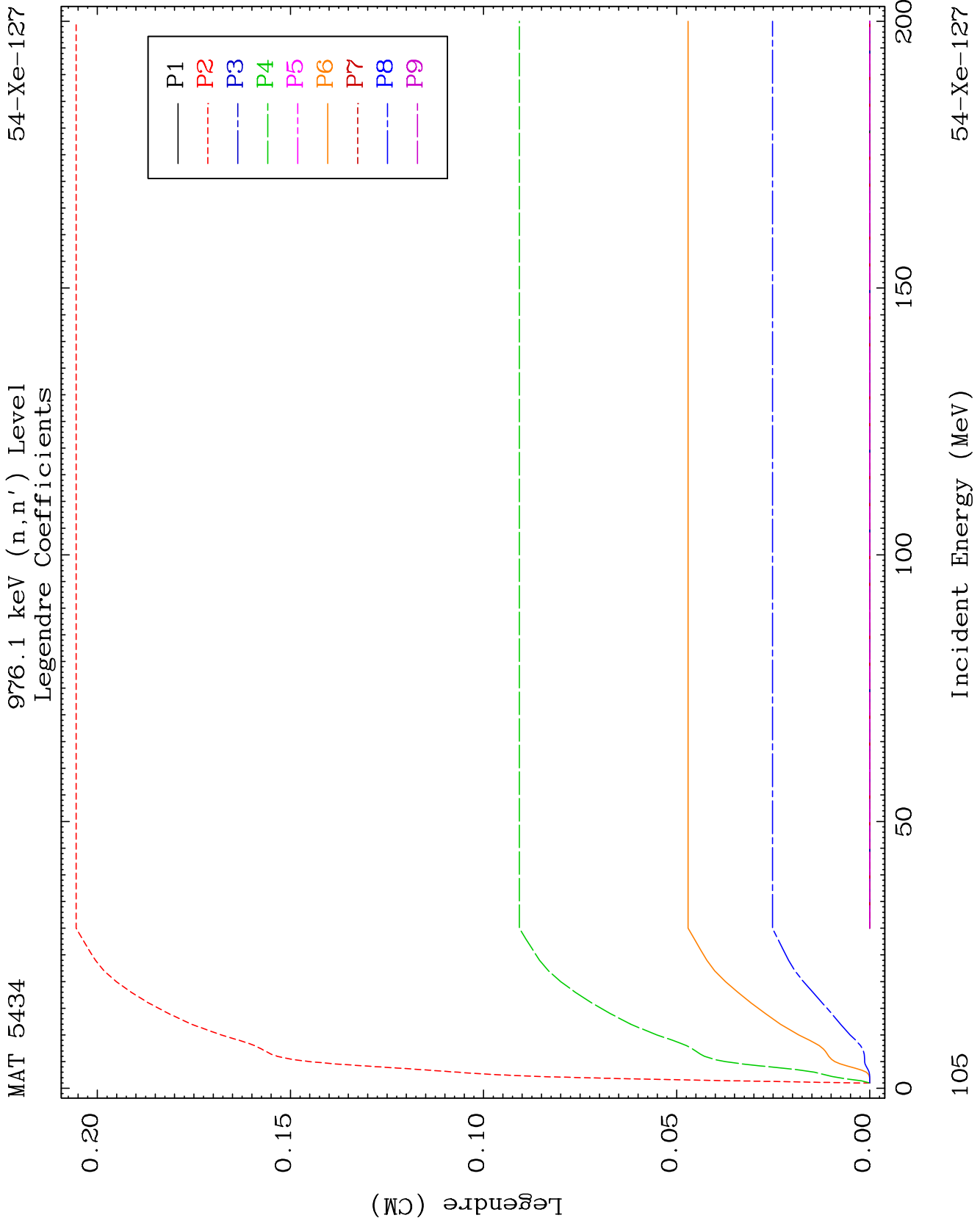


103

Incident Energy (MeV)

54-Xe-127

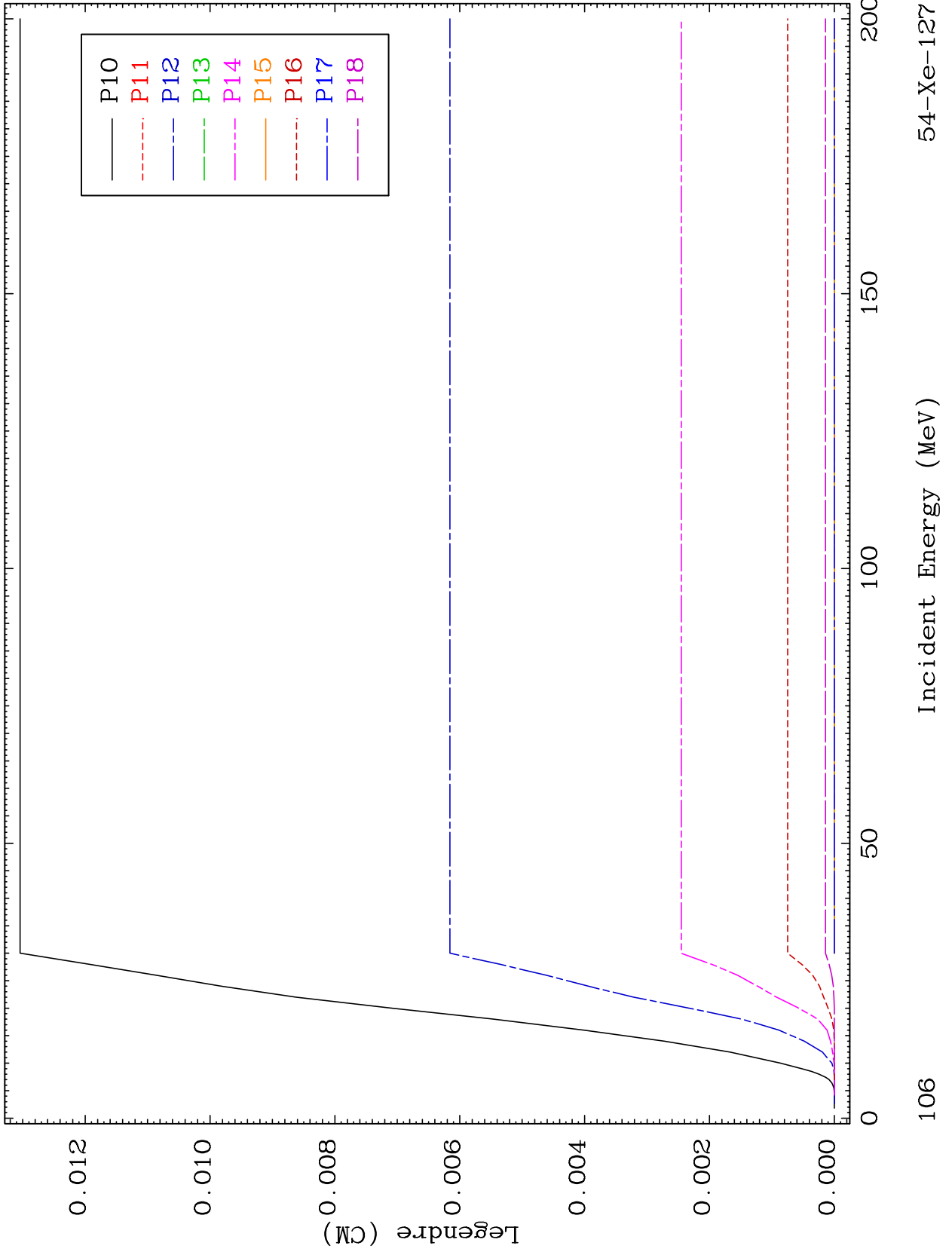


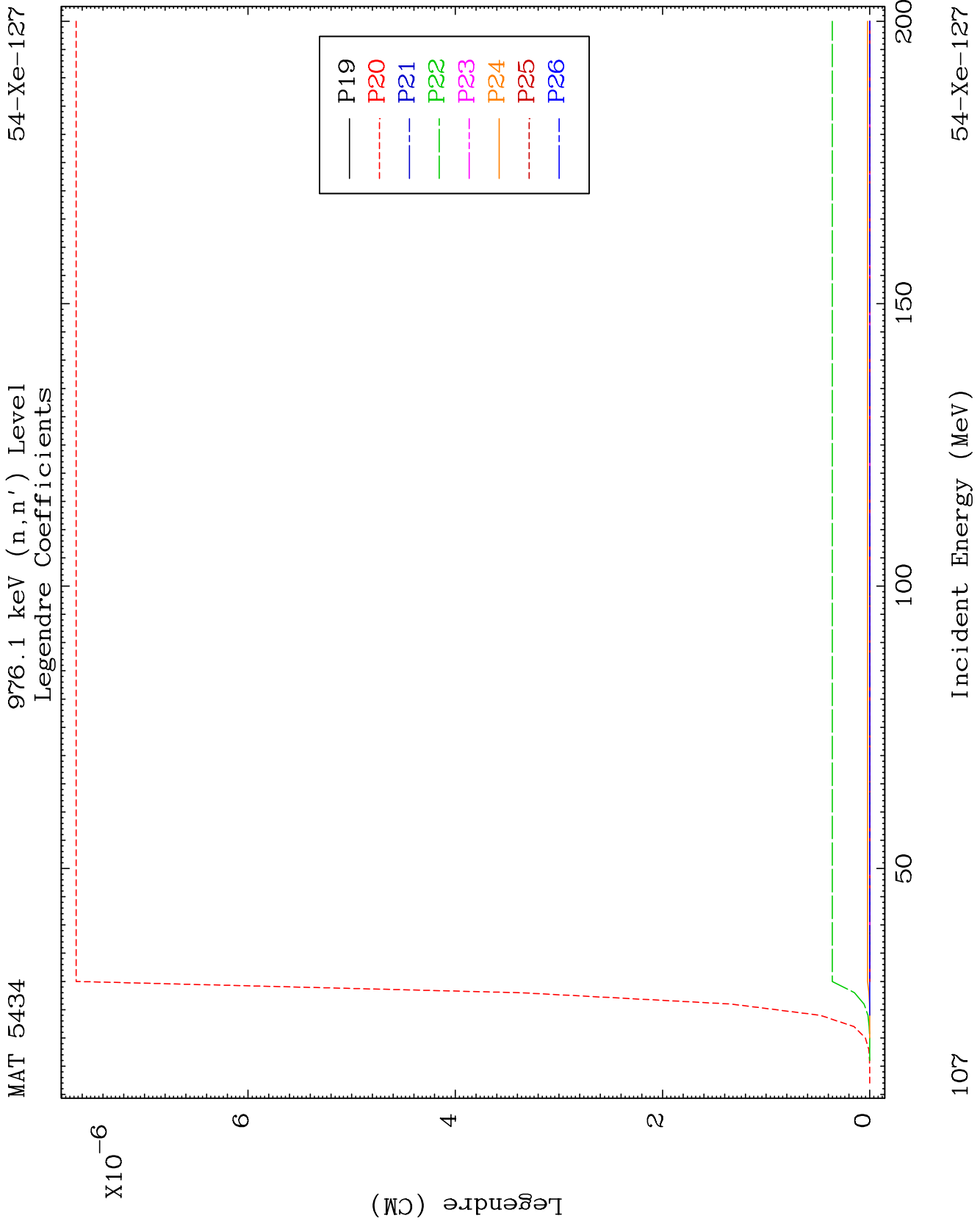


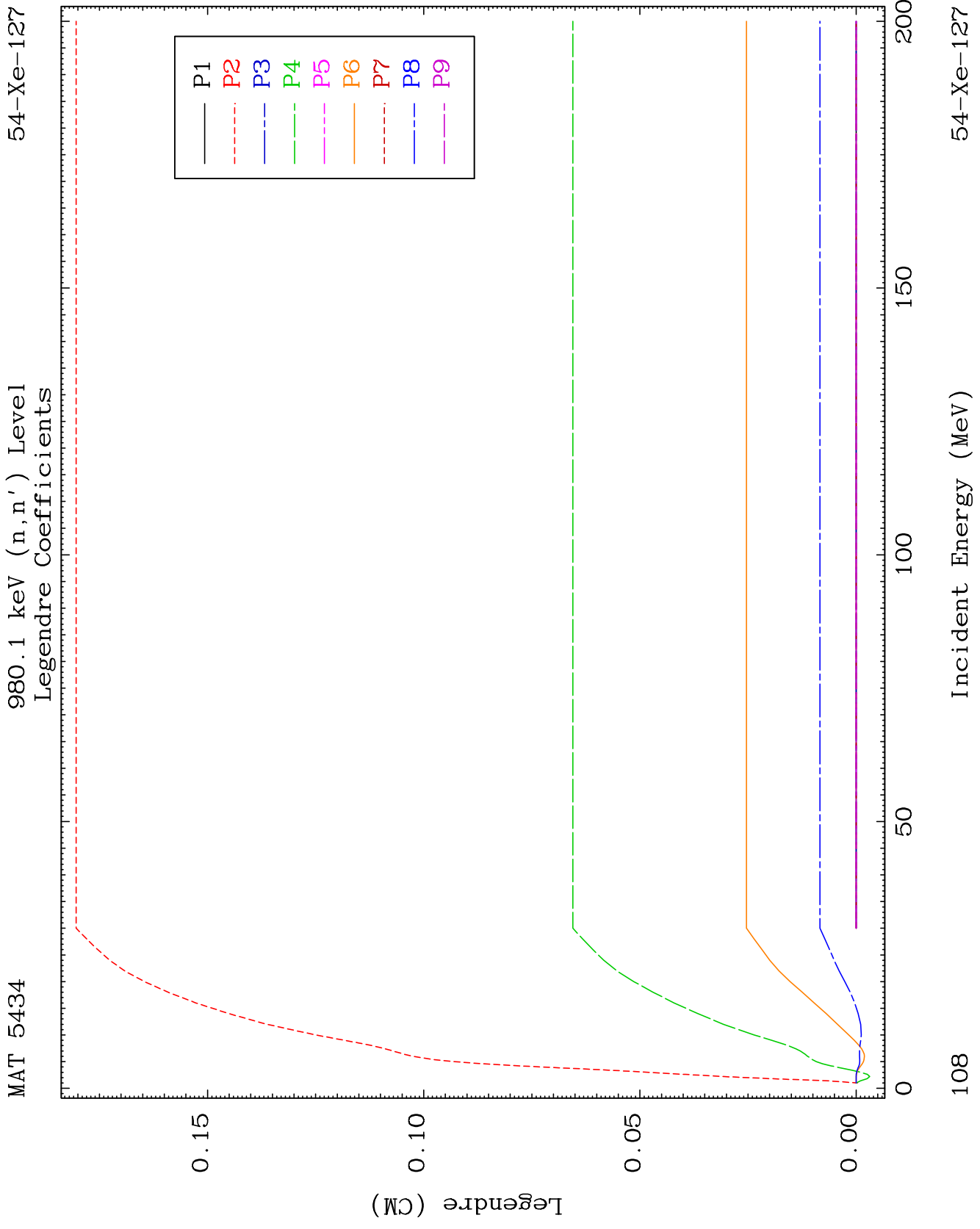
MAT 5434

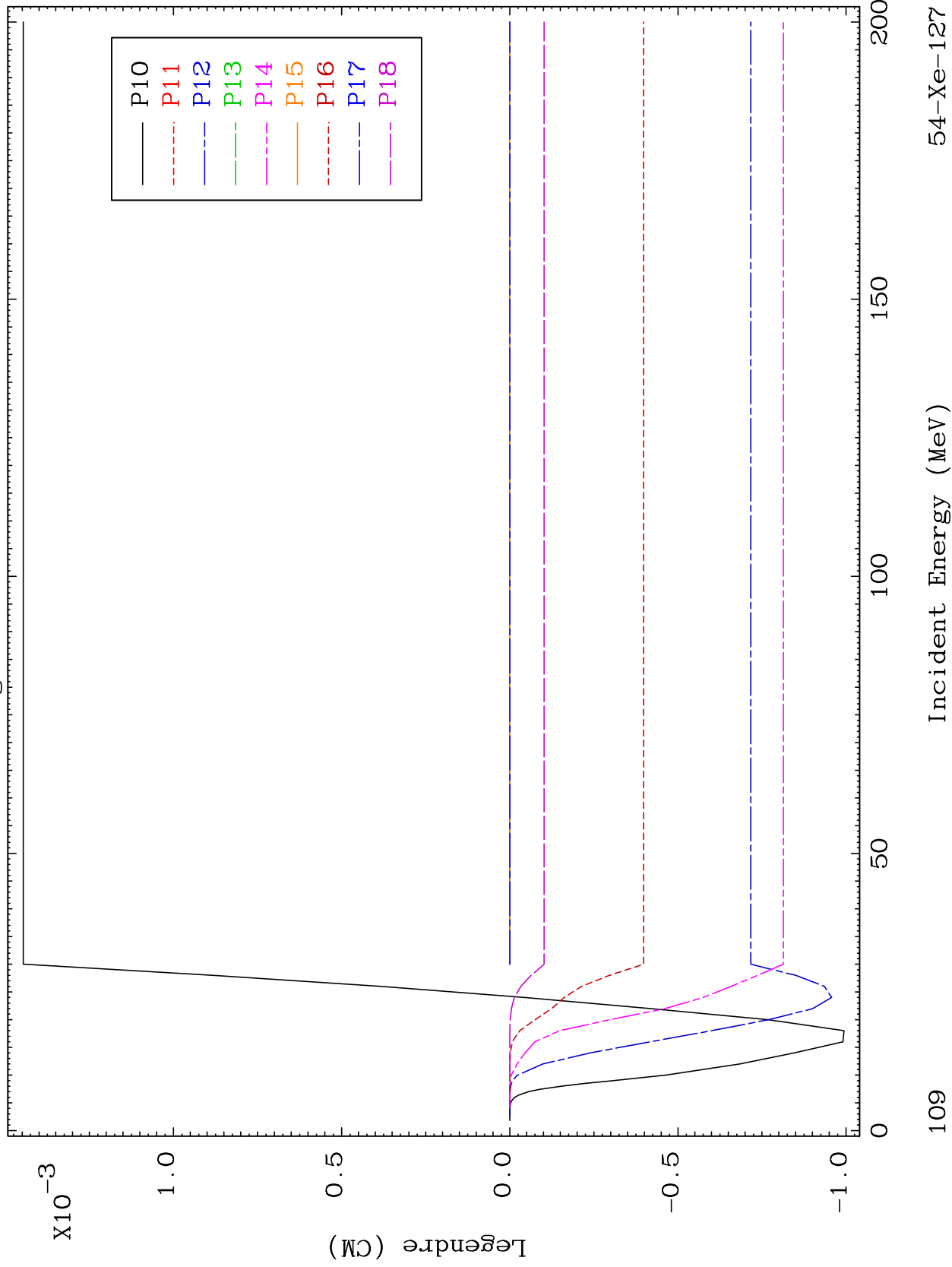
976.1 keV (n,n') Level
Legendre Coefficients

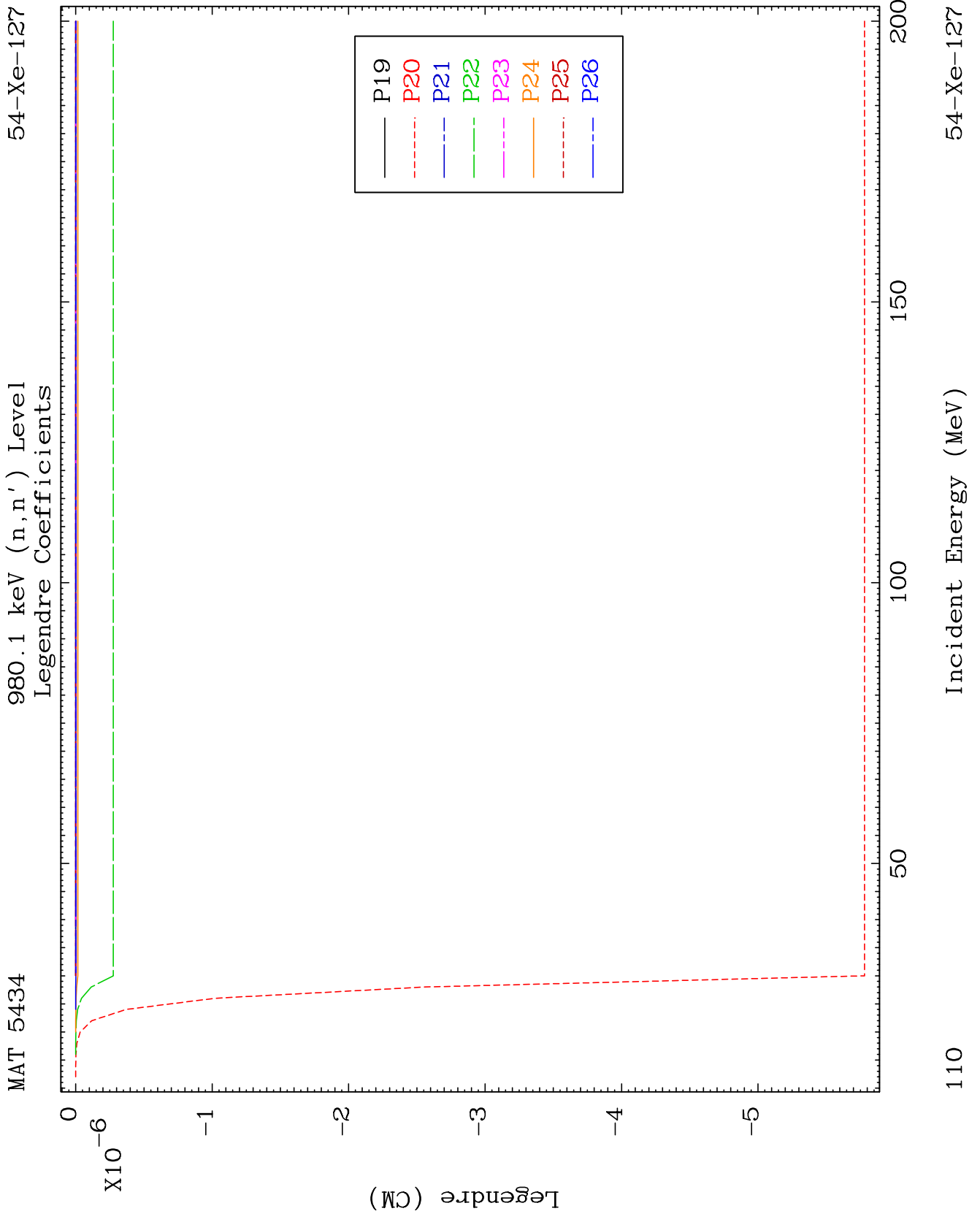
54-Xe-127

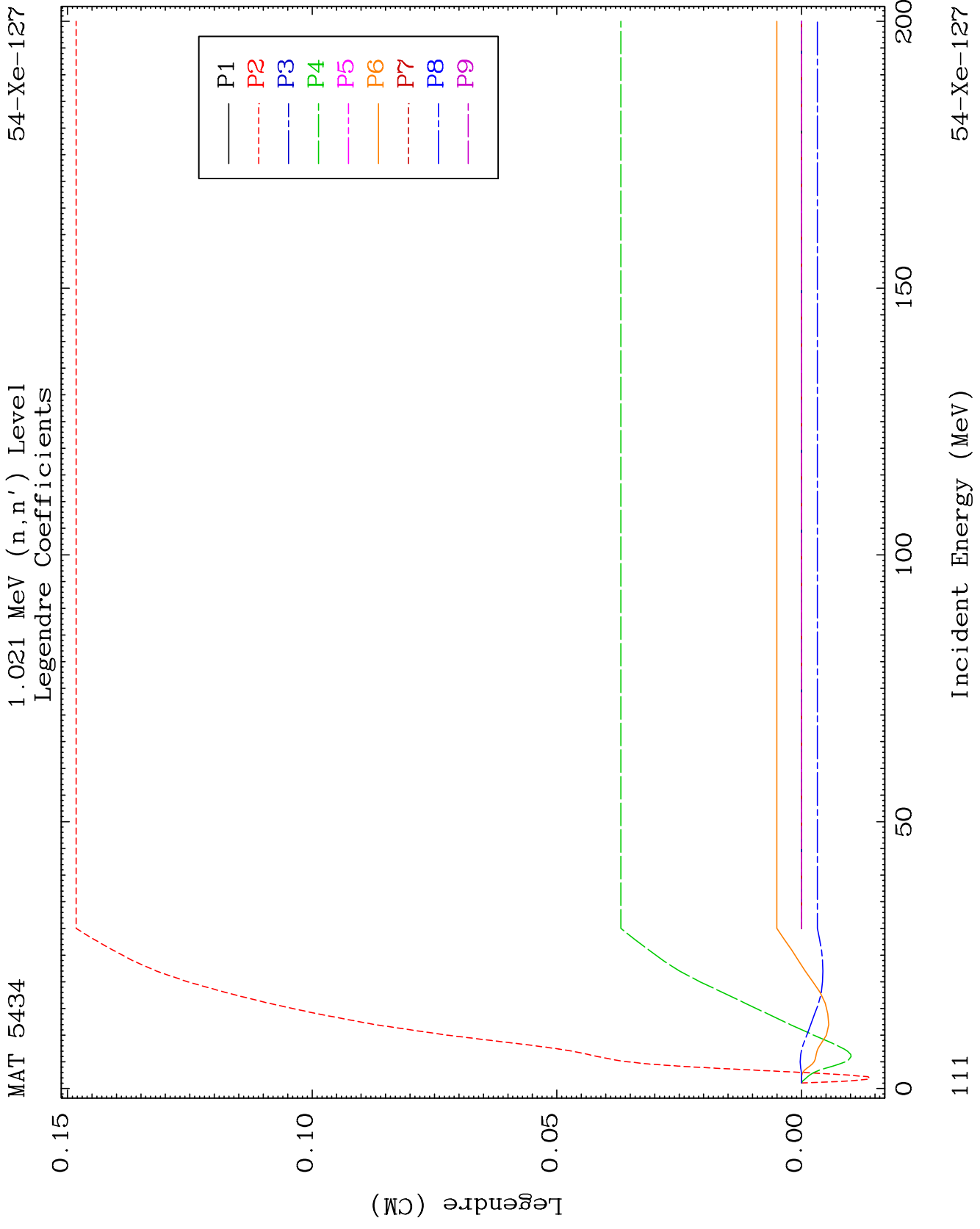


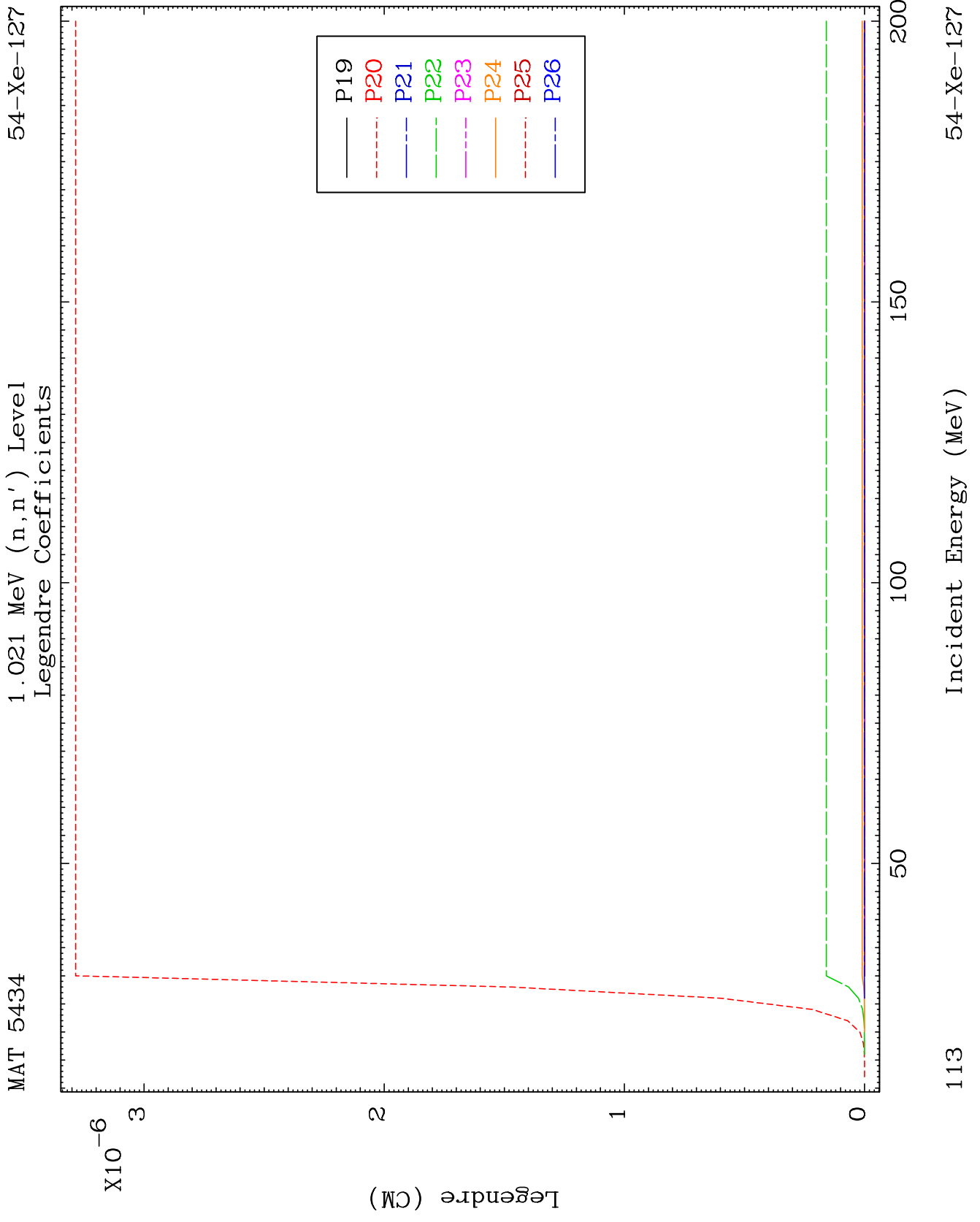


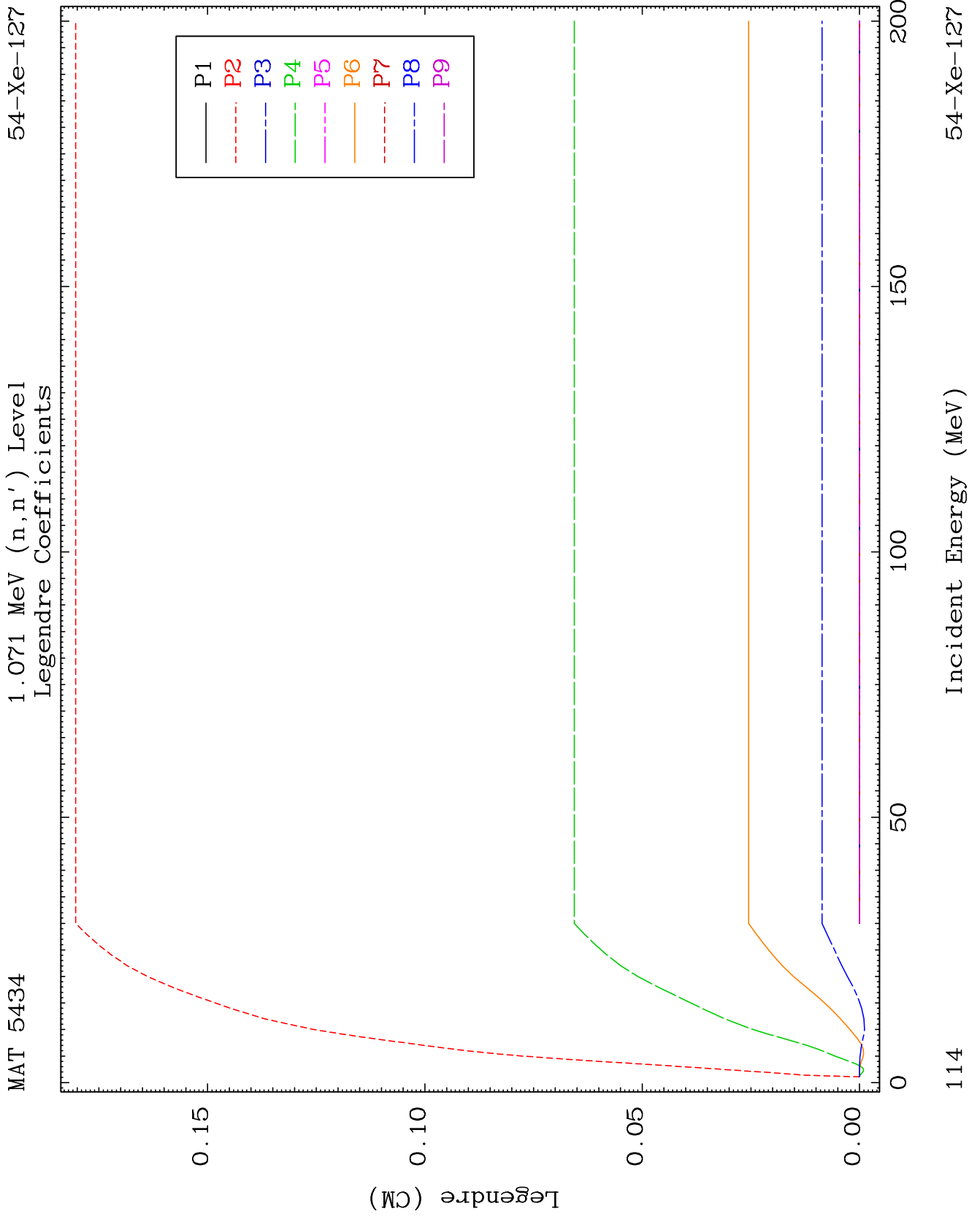








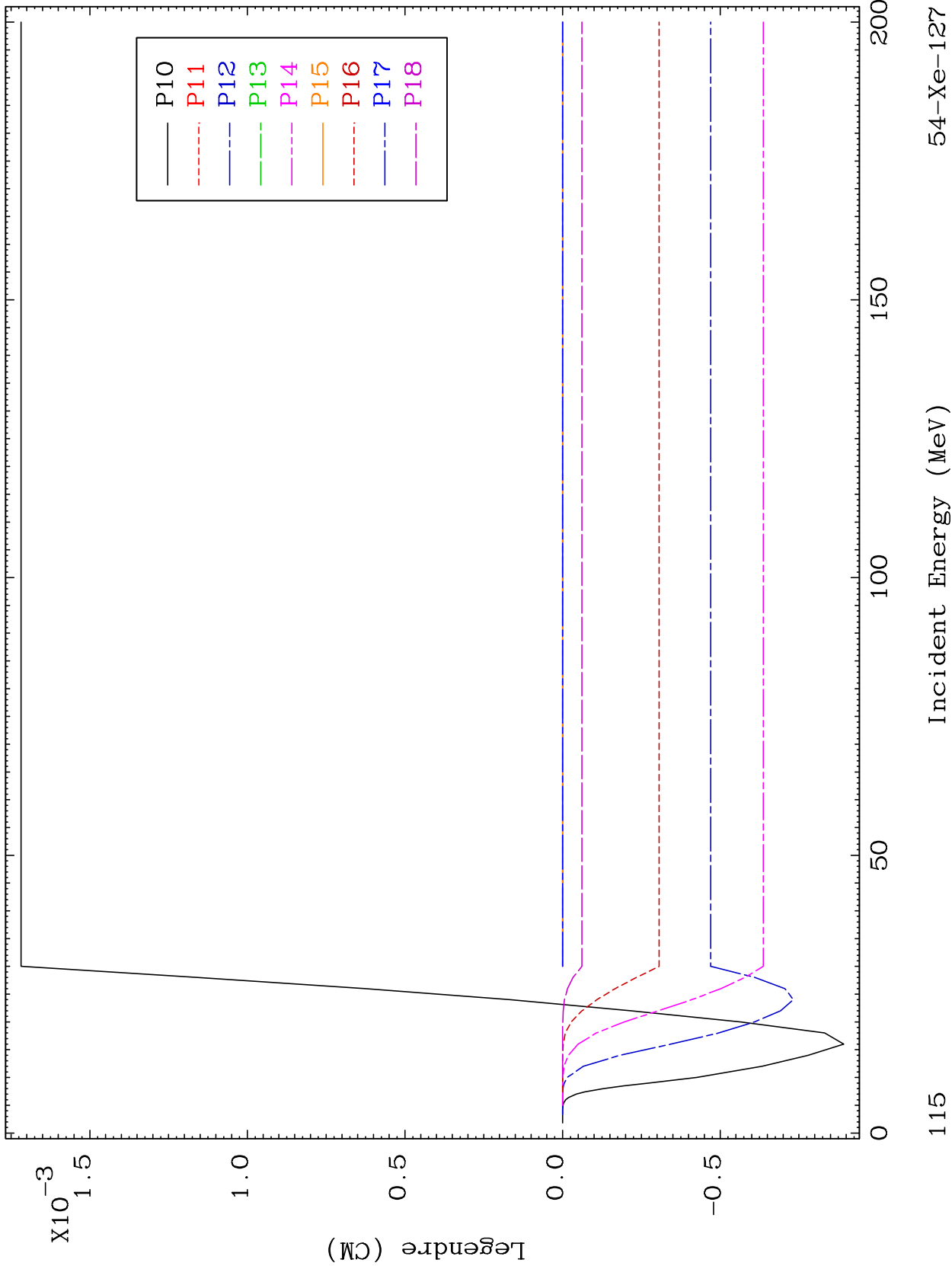




MAT 5434

1.071 MeV (n, n') Level
Legendre Coefficients

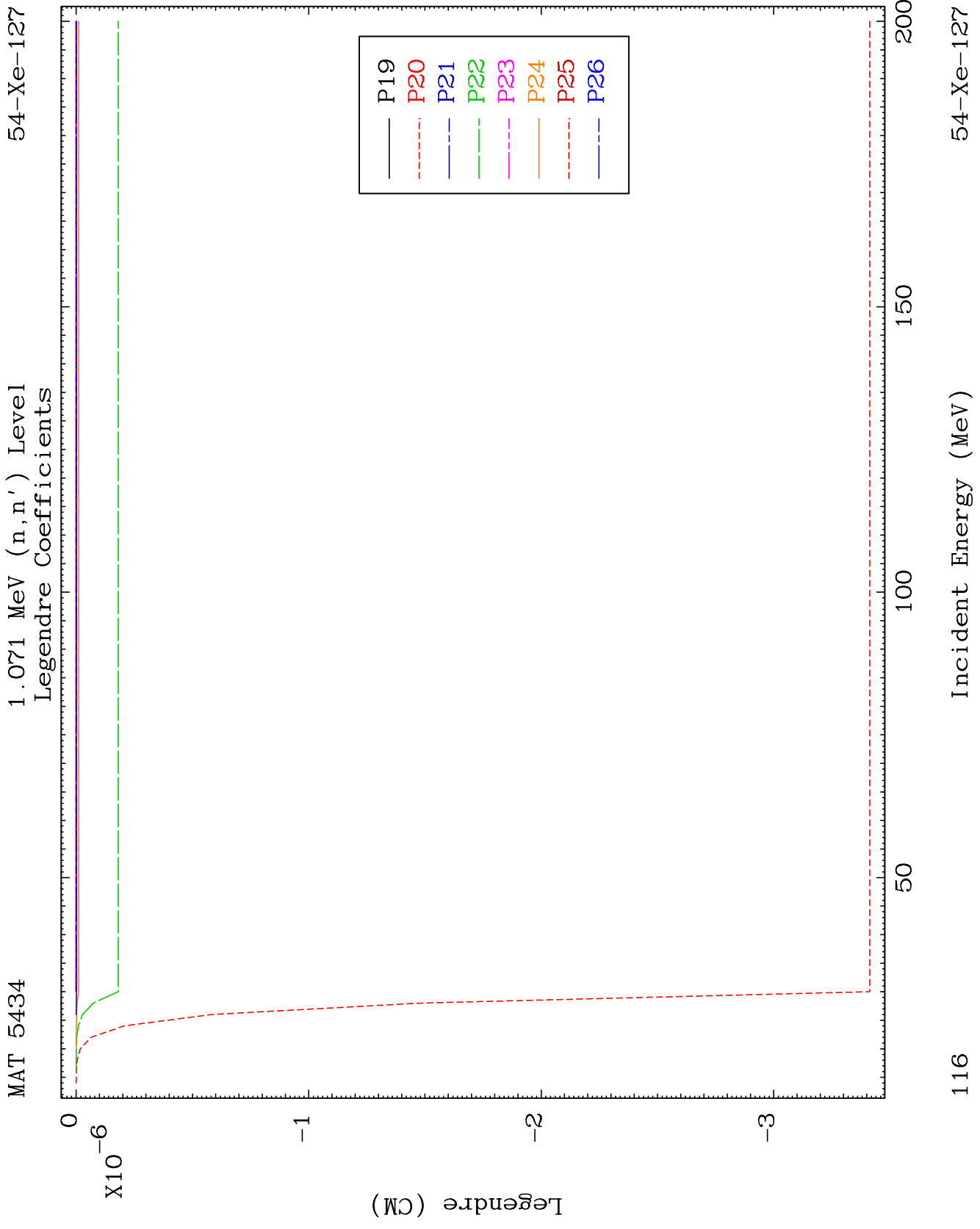
54-Xe-127



54-Xe-127

Incident Energy (MeV)

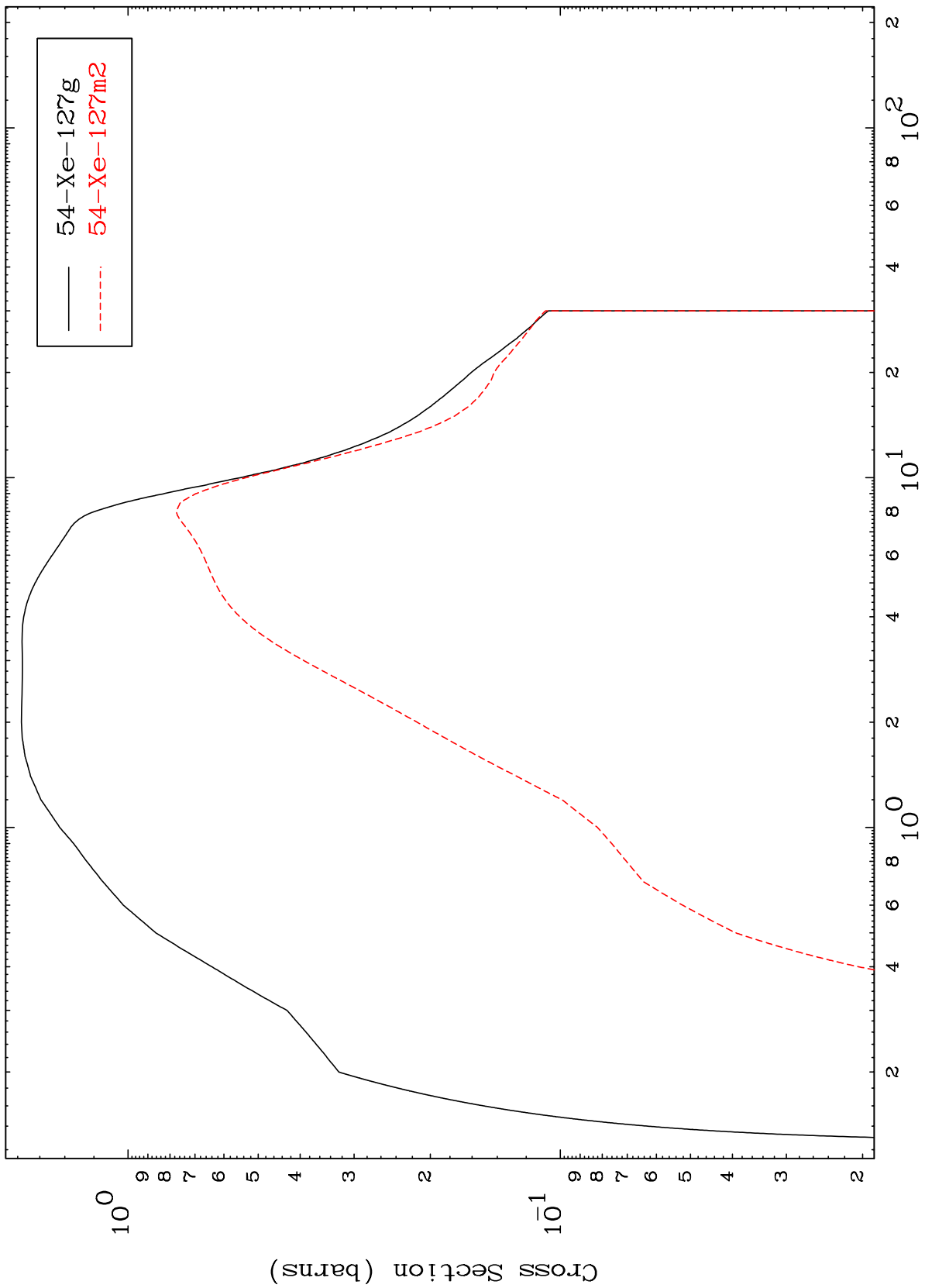
115



MAT 5434

54-Xe-127

Inelastic
Radionuclide Production Cross Section



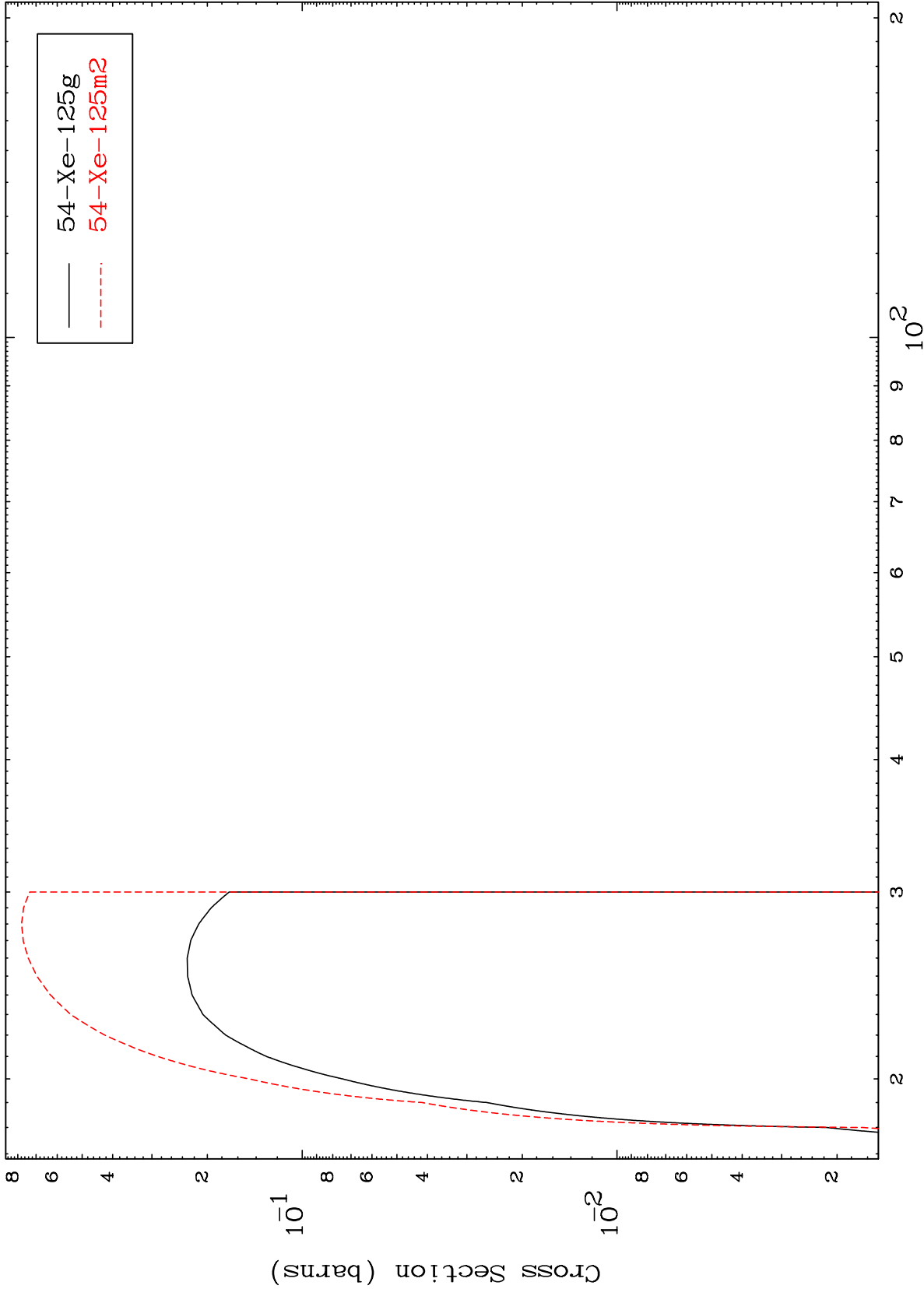
54-Xe-127g
54-Xe-127m2

54-Xe-127

Incident Energy (MeV)

117

Radionuclide Production Cross Section

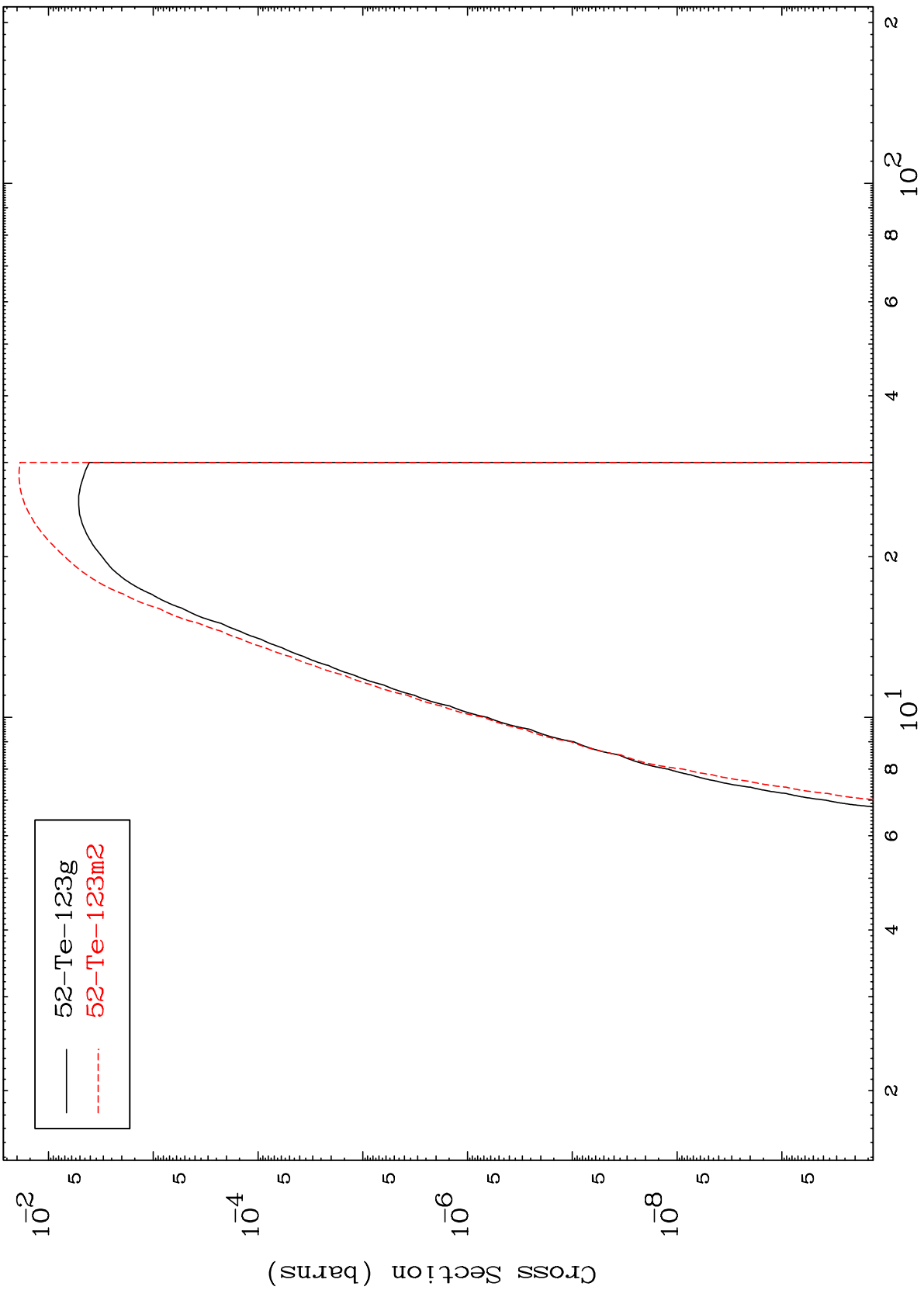


MAT 5434

(n,n') α

54-Xe-127

Radionuclide Production Cross Section



— 52-Te-123g
- - - 52-Te-123m2

119

Incident Energy (MeV)

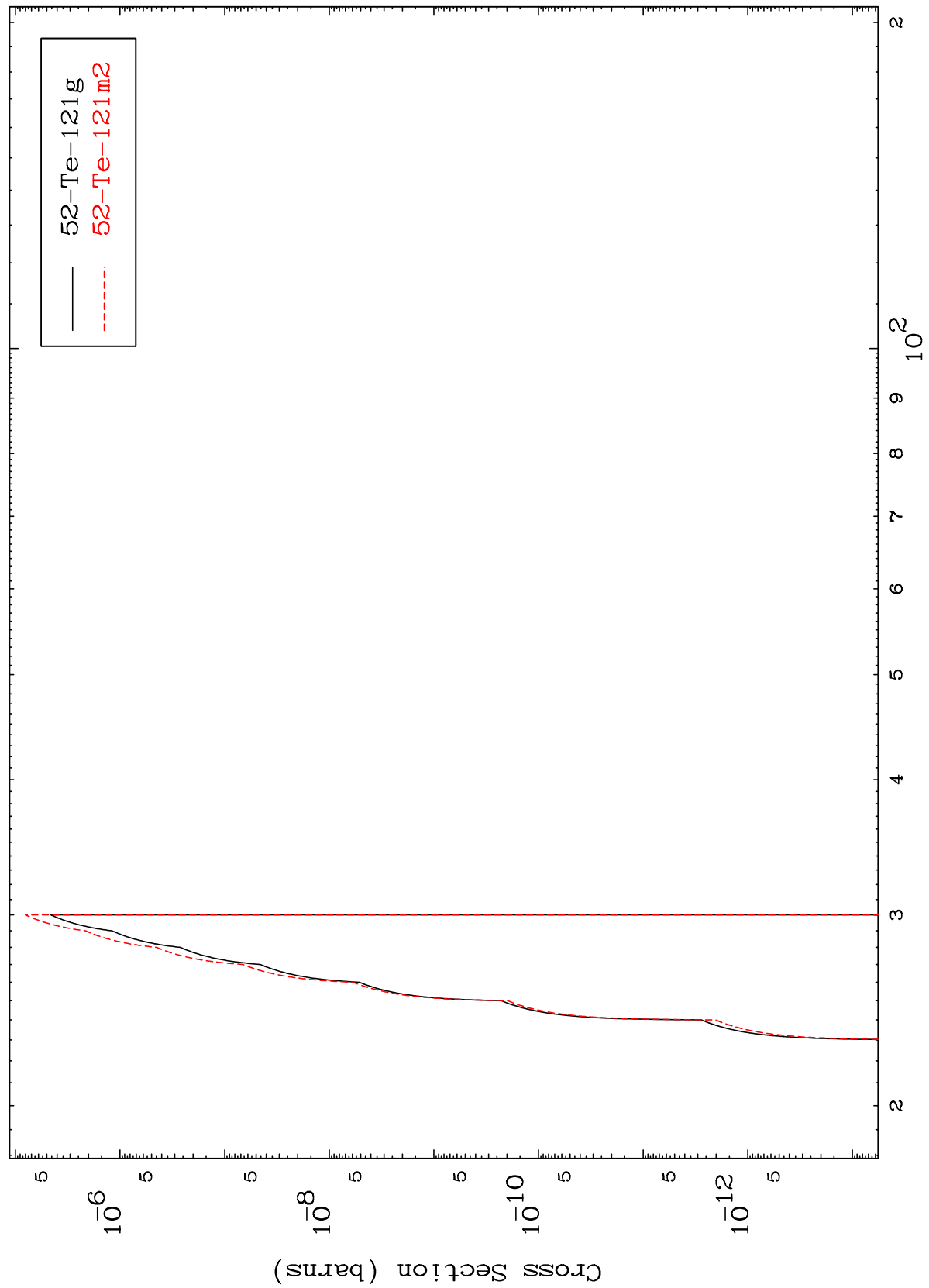
54-Xe-127

MAT 5434

(n,3n) α

54-Xe-127

Radionuclide Production Cross Section



120

Incident Energy (MeV)

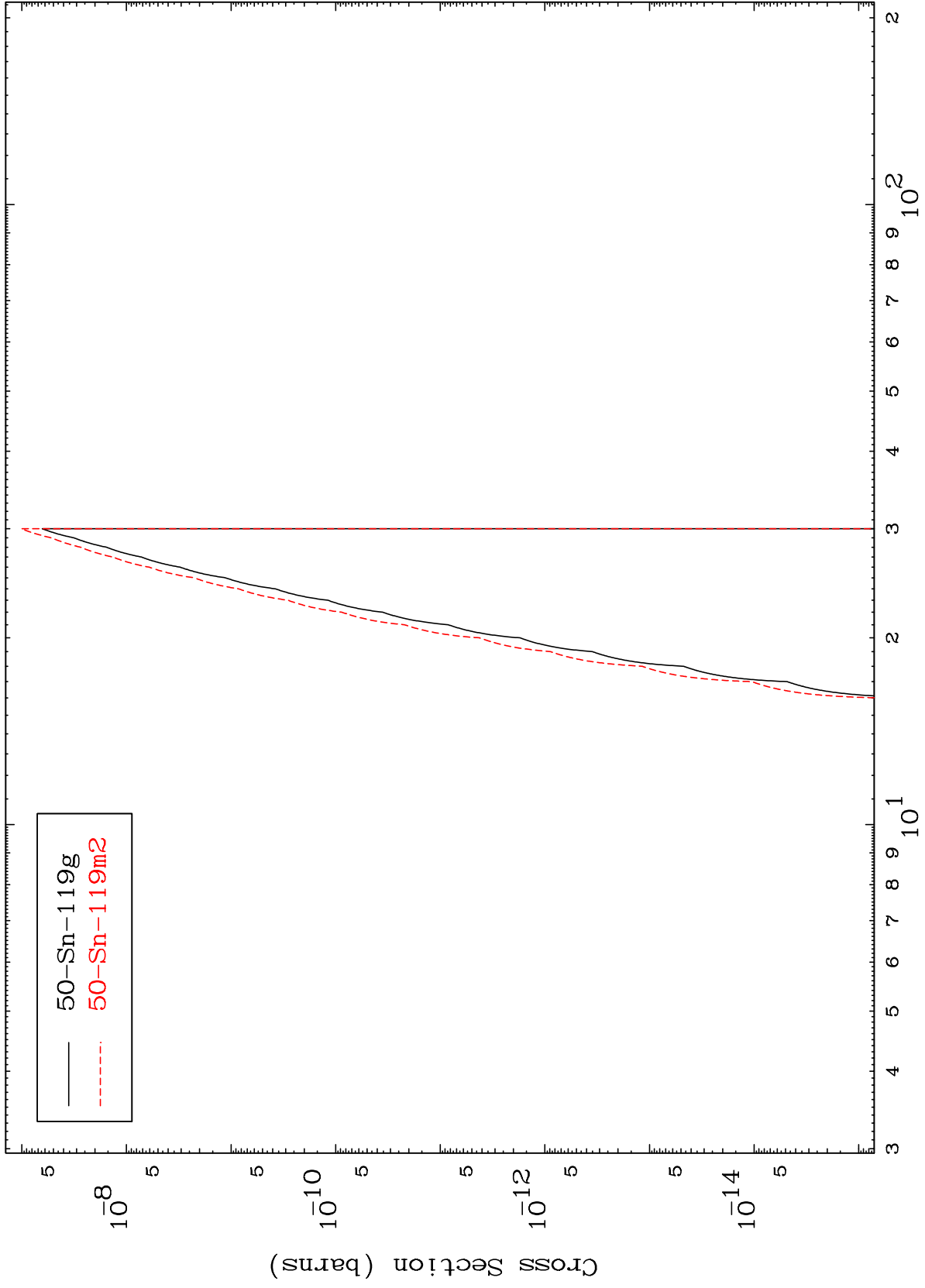
54-Xe-127

MAT 5434

(n,n') 2α

54-Xe-127

Radionuclide Production Cross Section



121

Incident Energy (MeV)

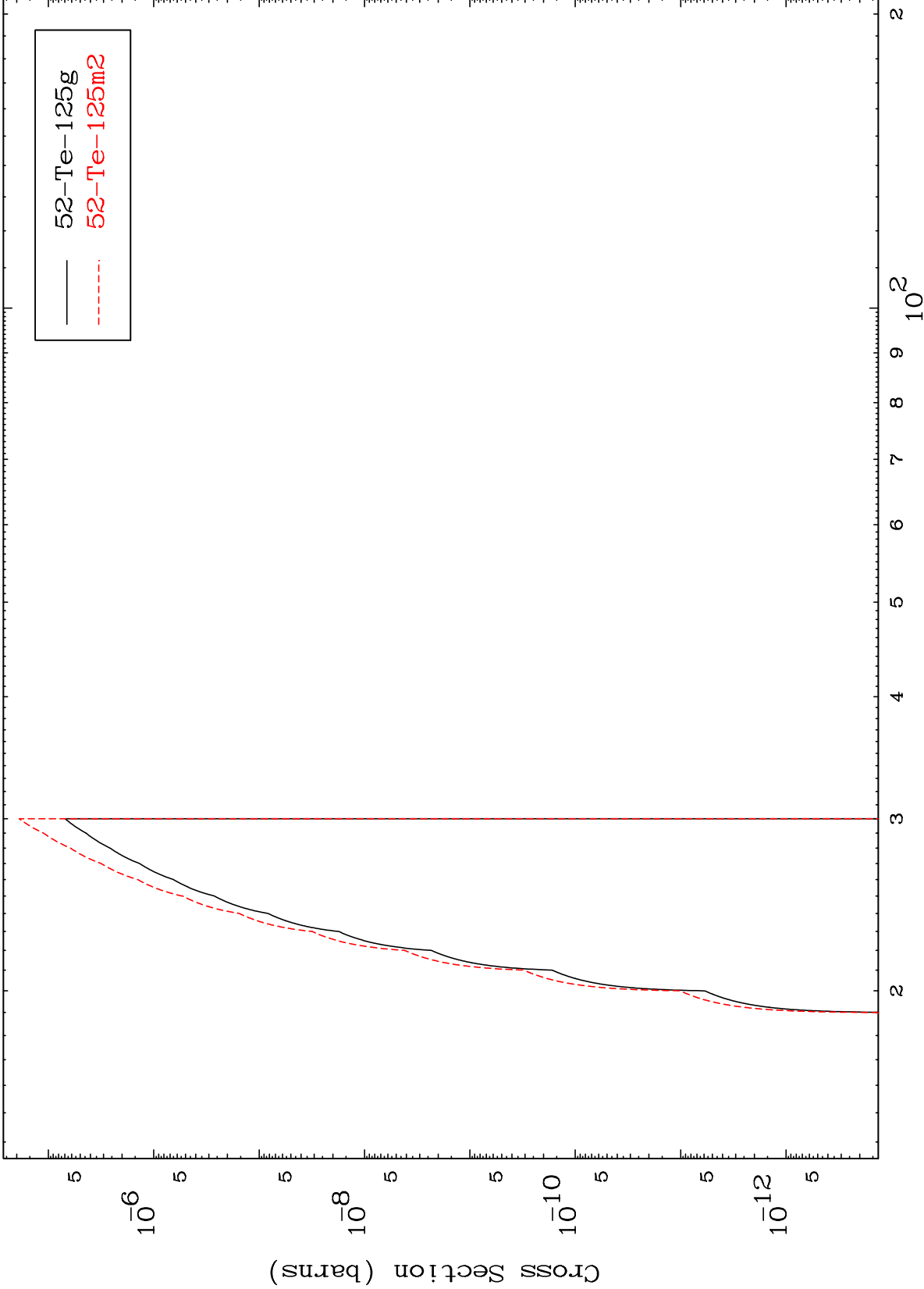
54-Xe-127

MAT 5434

(n,2n) p

54-Xe-127

Radionuclide Production Cross Section



52-Te-125g
52-Te-125m2

122

Incident Energy (MeV)

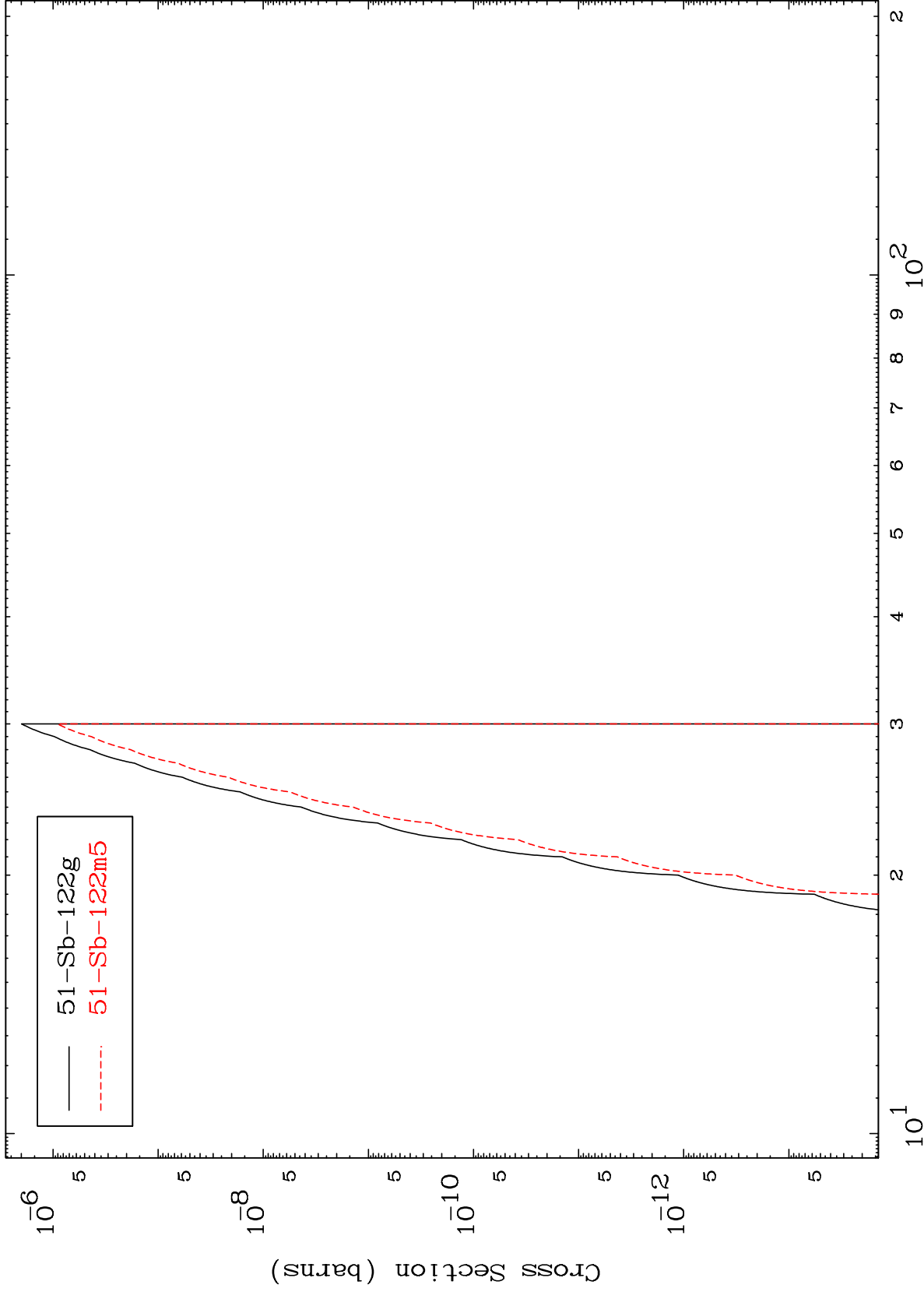
54-Xe-127

MAT 5434

(n,n') p α

54-Xe-127

Radionuclide Production Cross Section



123

Incident Energy (MeV)

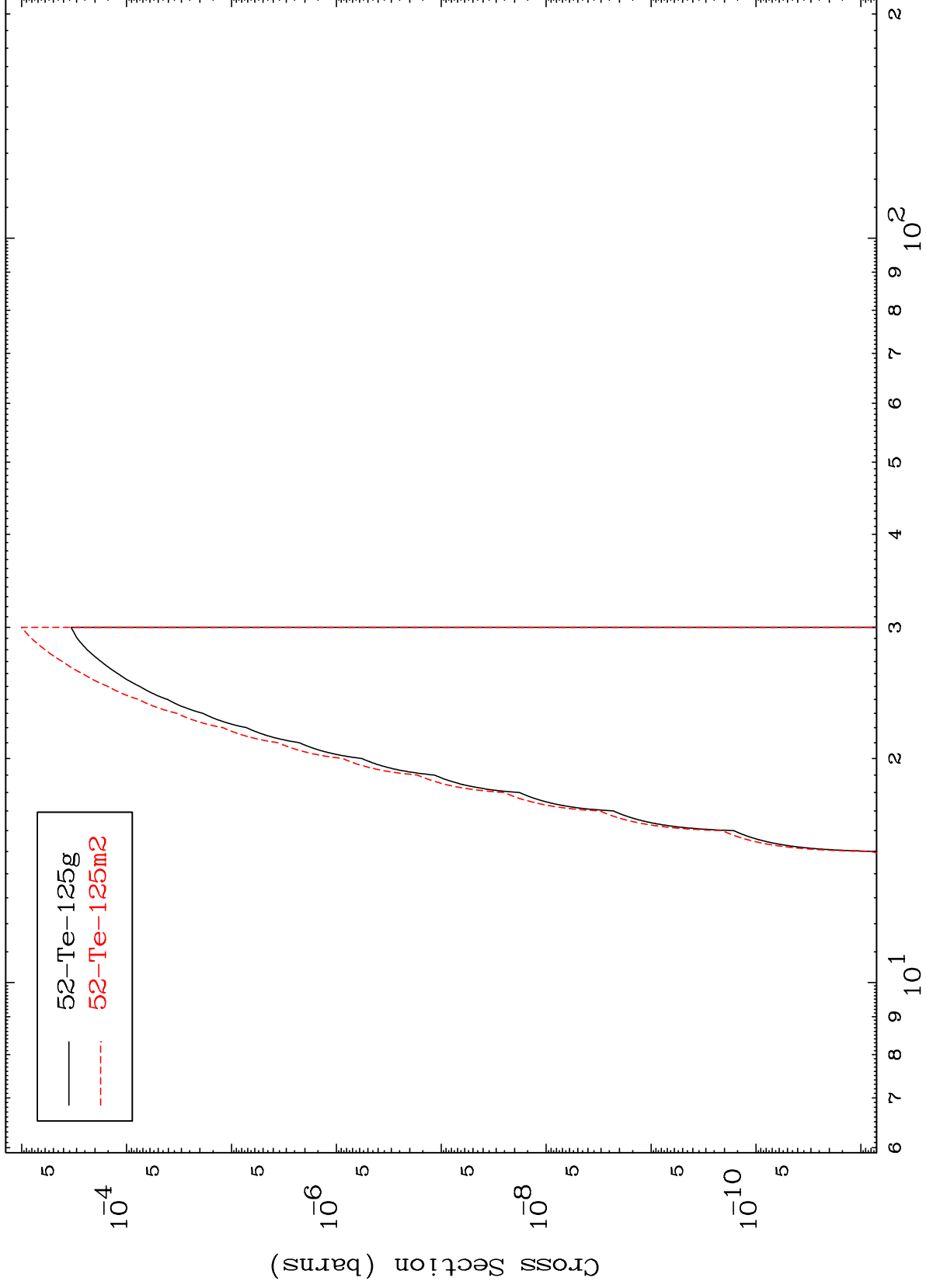
54-Xe-127

MAT 5434

(n,He-3)

54-Xe-127

Radionuclide Production Cross Section



124

Incident Energy (MeV)

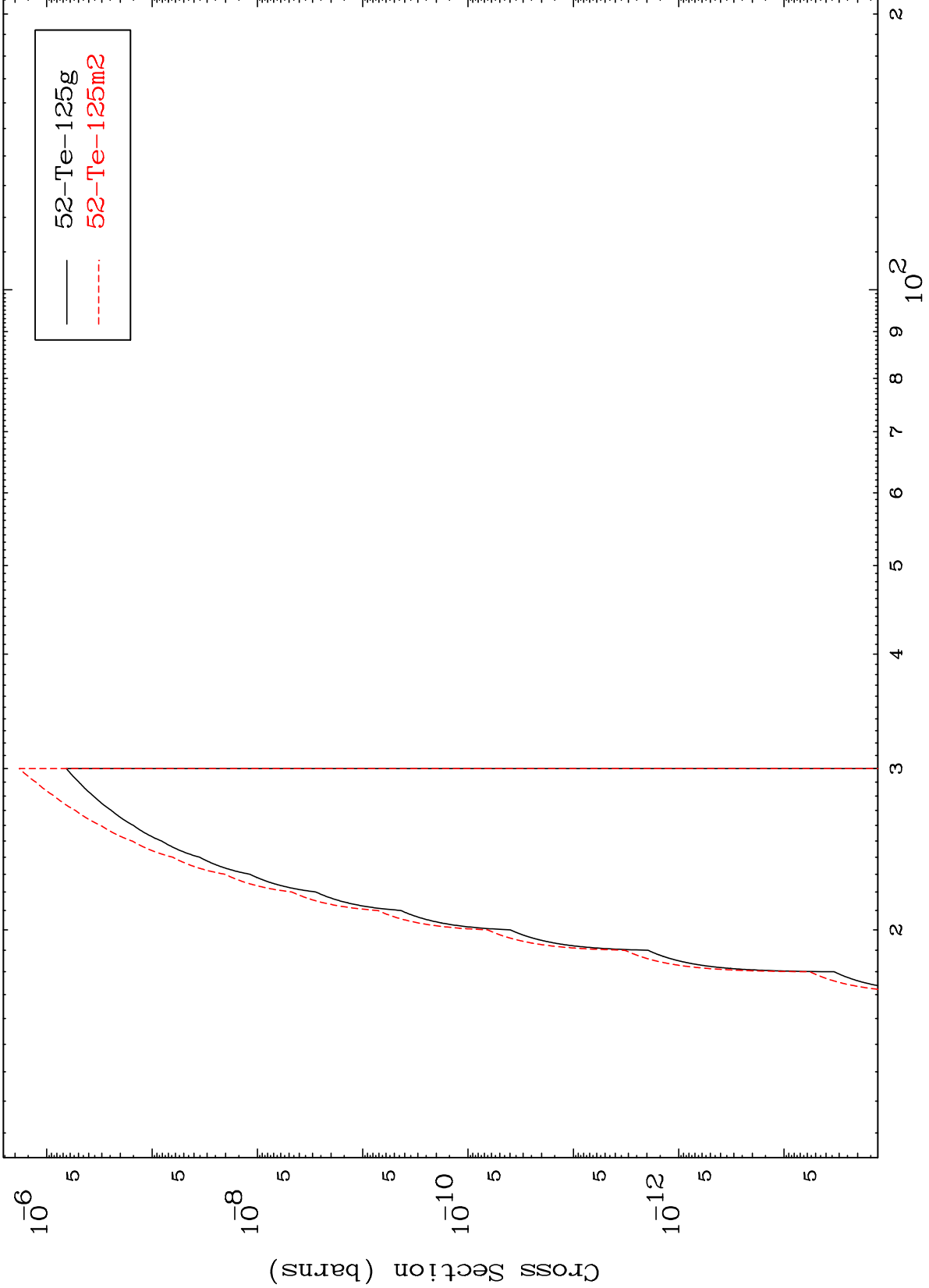
54-Xe-127

MAT 5434

(n,p) d

54-Xe-127

Radionuclide Production Cross Section



125

Incident Energy (MeV)

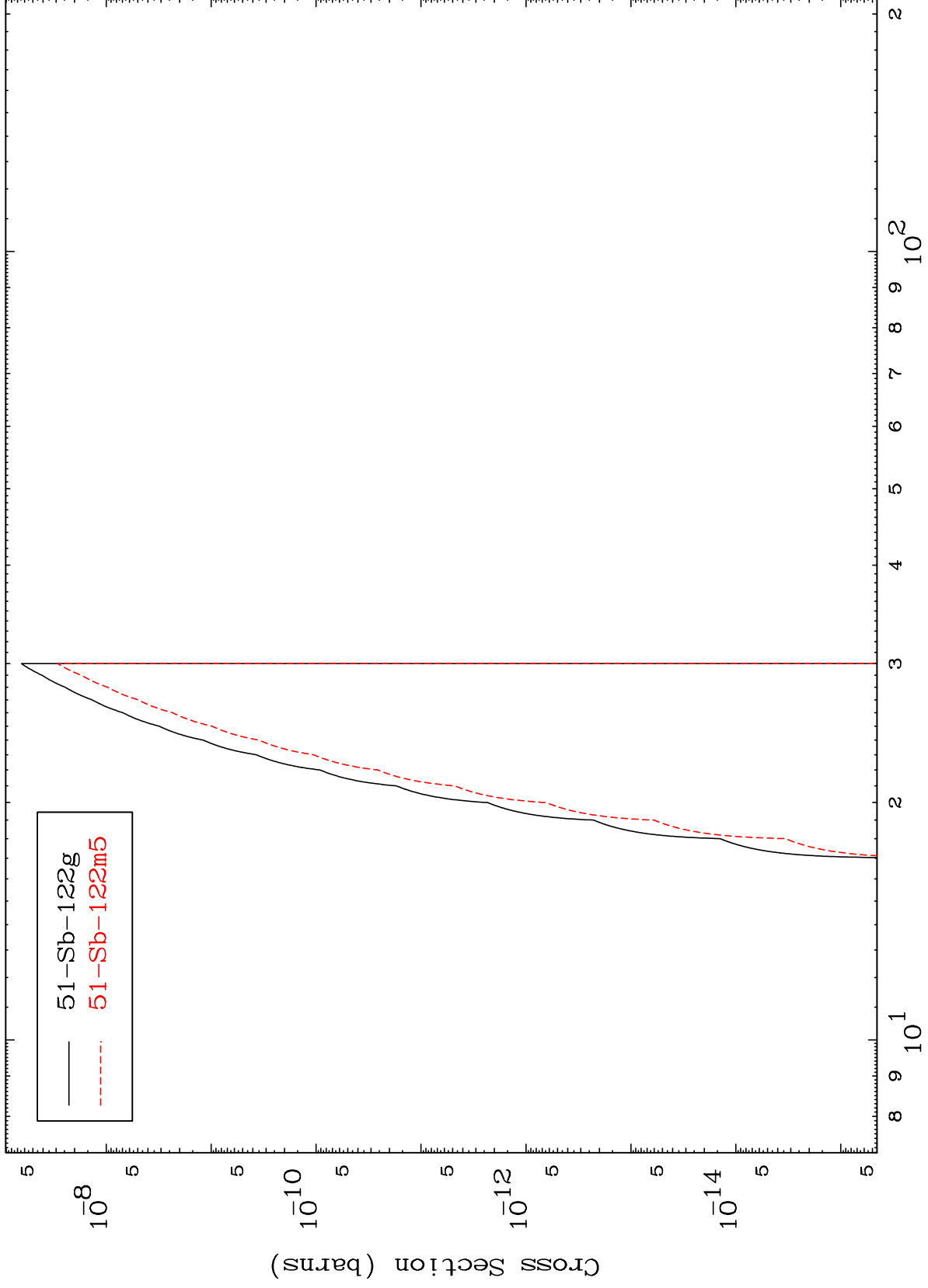
54-Xe-127

MAT 5434

(n,d) α

54-Xe-127

Radionuclide Production Cross Section



126

Incident Energy (MeV)

54-Xe-127