

Program EVALPLOT
(Version 2015-2)

by

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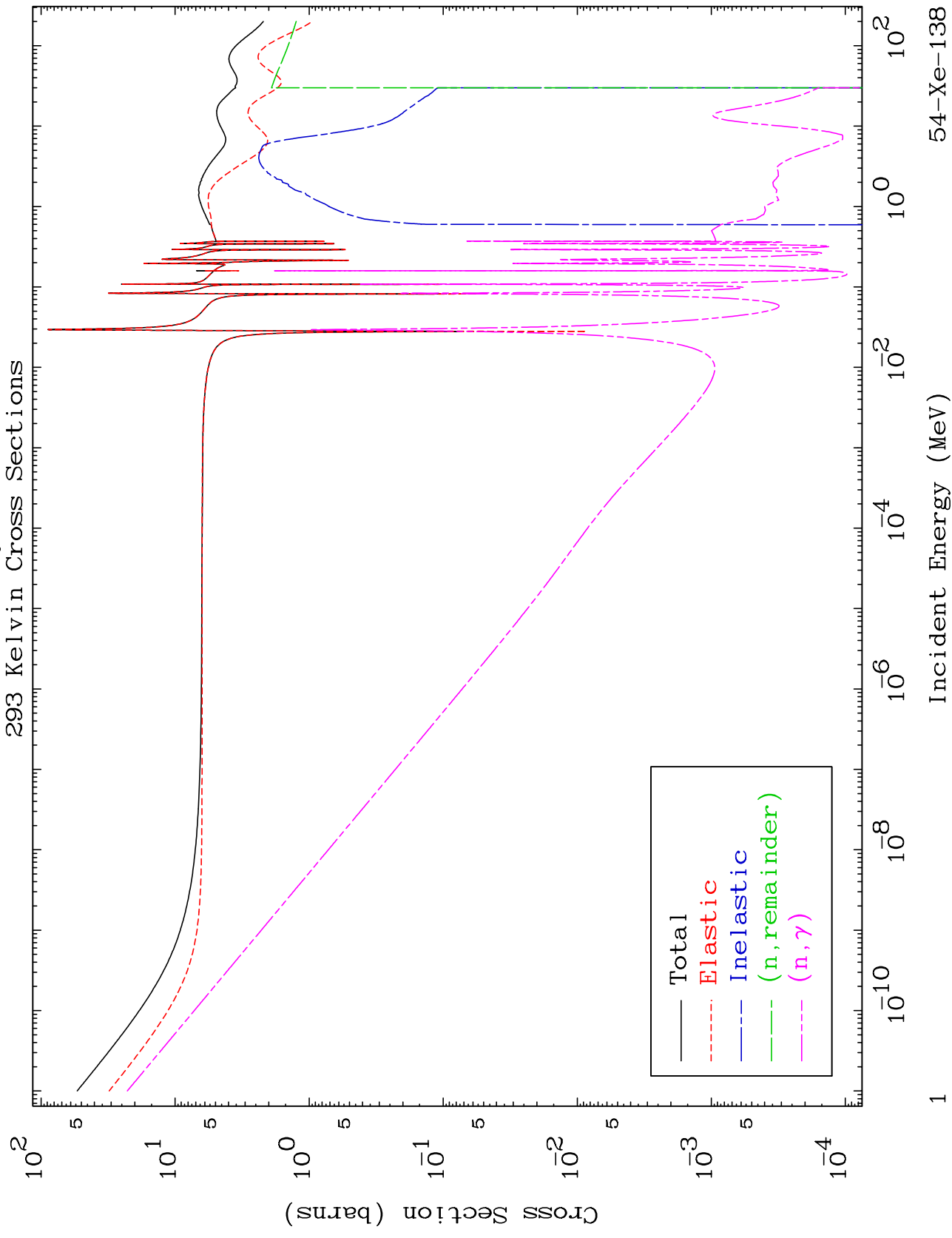
Press Mouse Button to Start

MAT 5467

Major

293 Kelvin Cross Sections

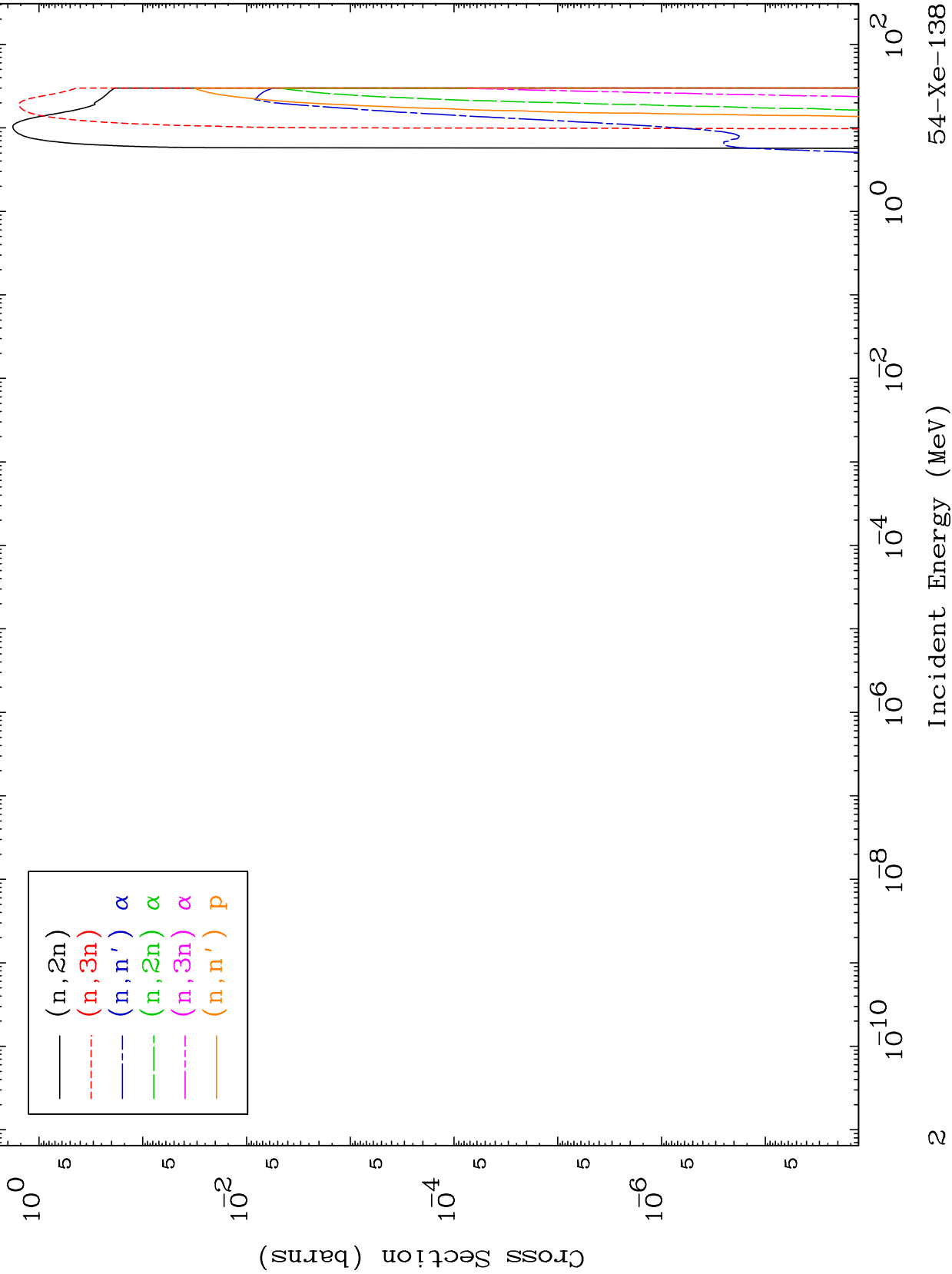
54-Xe-138

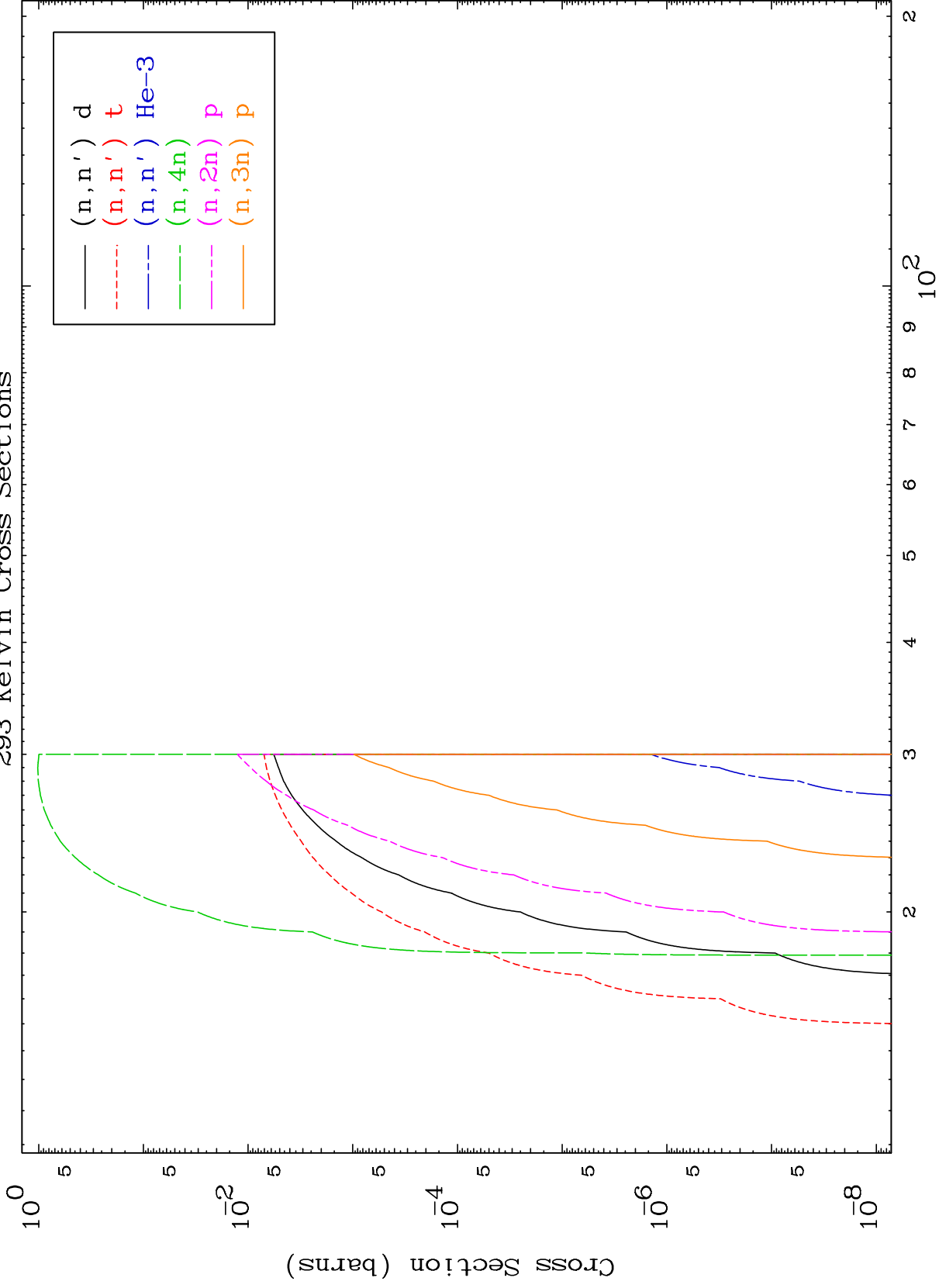


MAT 5467

Neutron Production
293 Kelvin Cross Sections

54-Xe-138

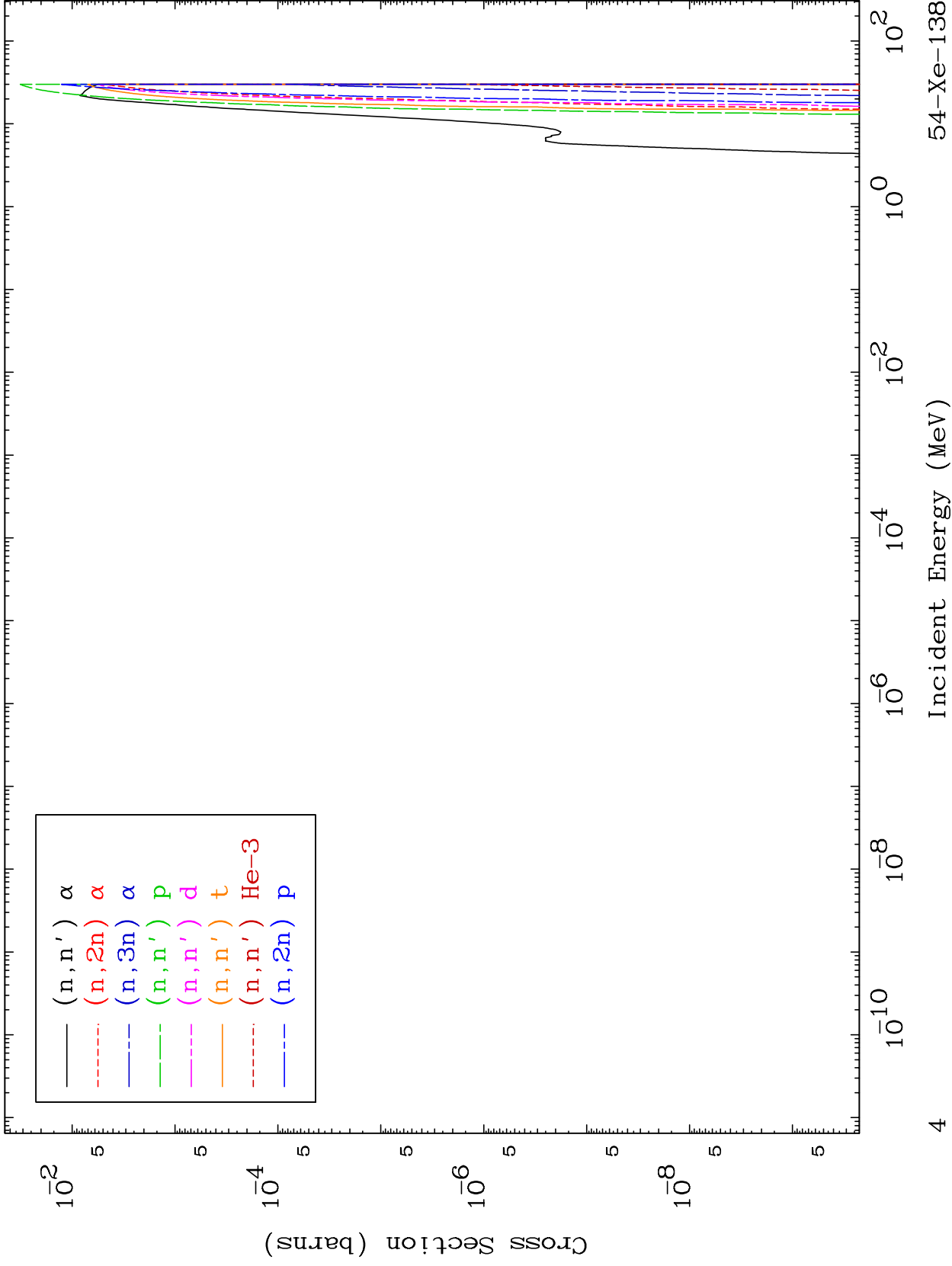


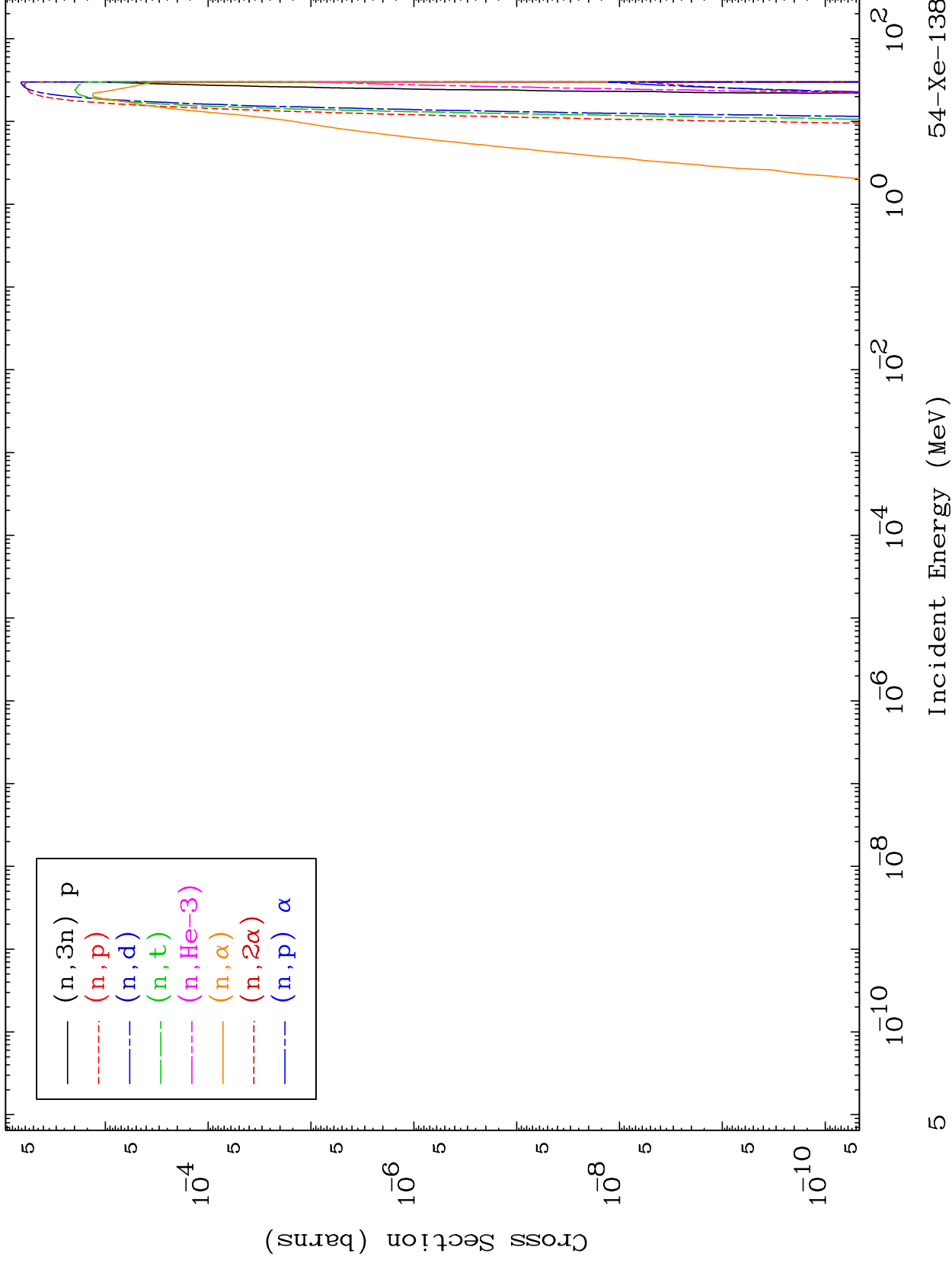


MAT 5467

Charged Particle
293 Kelvin Cross Sections

54-Xe-138

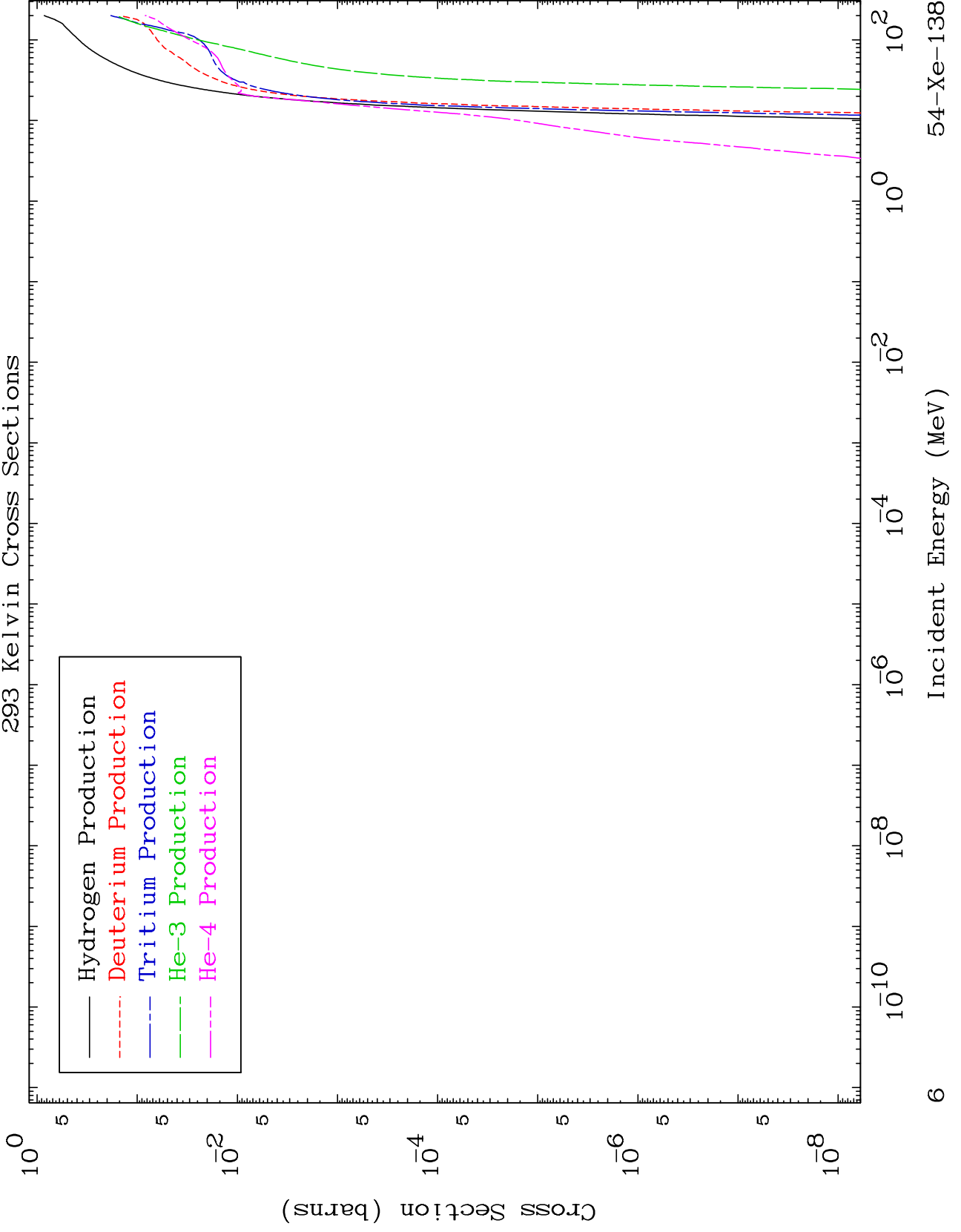




MAT 5467

Particle Production
293 Kelvin Cross Sections

54-Xe-138

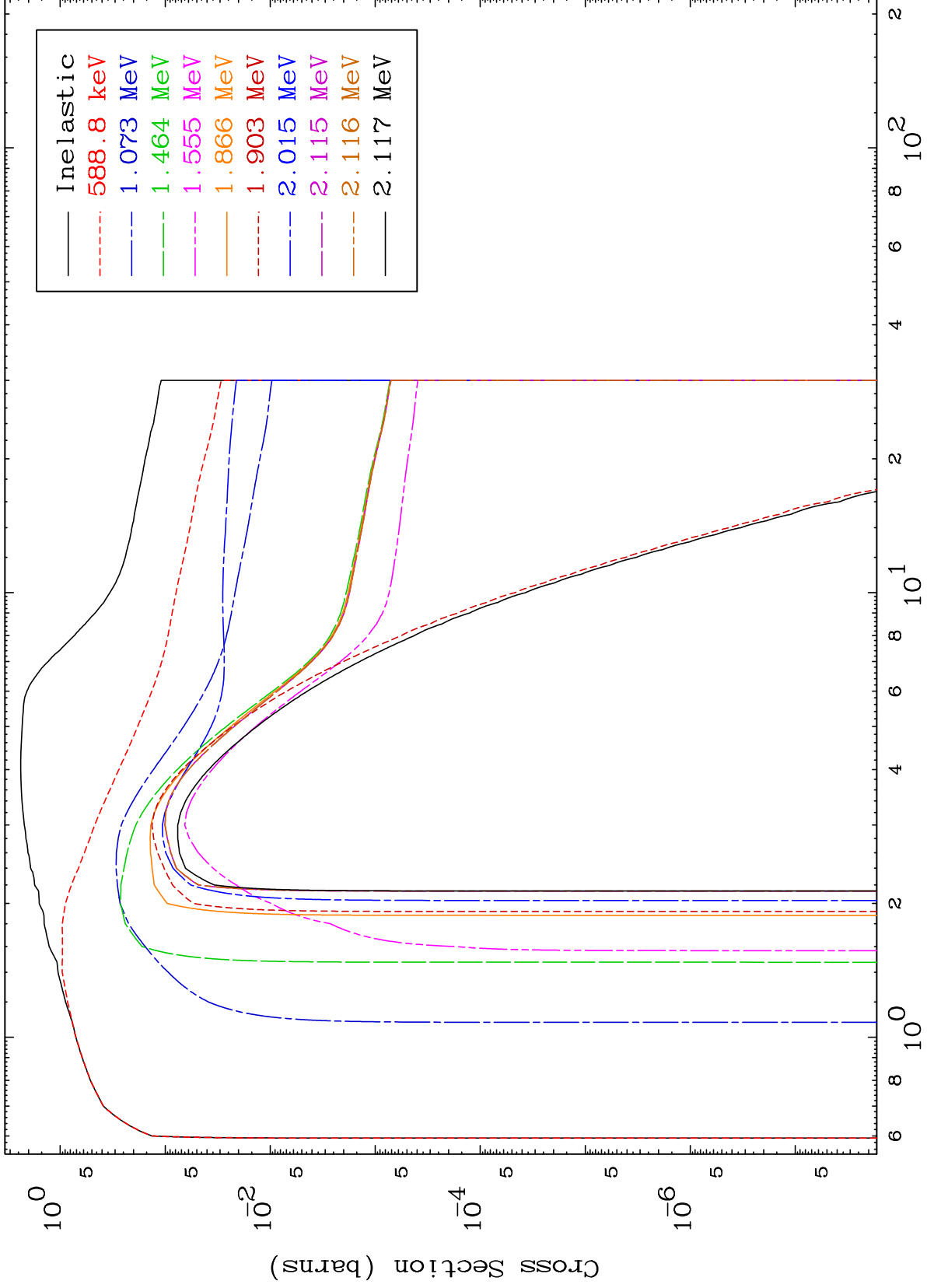


MAT 5467

(n,n') Level

54-Xe-138

293 Kelvin Cross Sections



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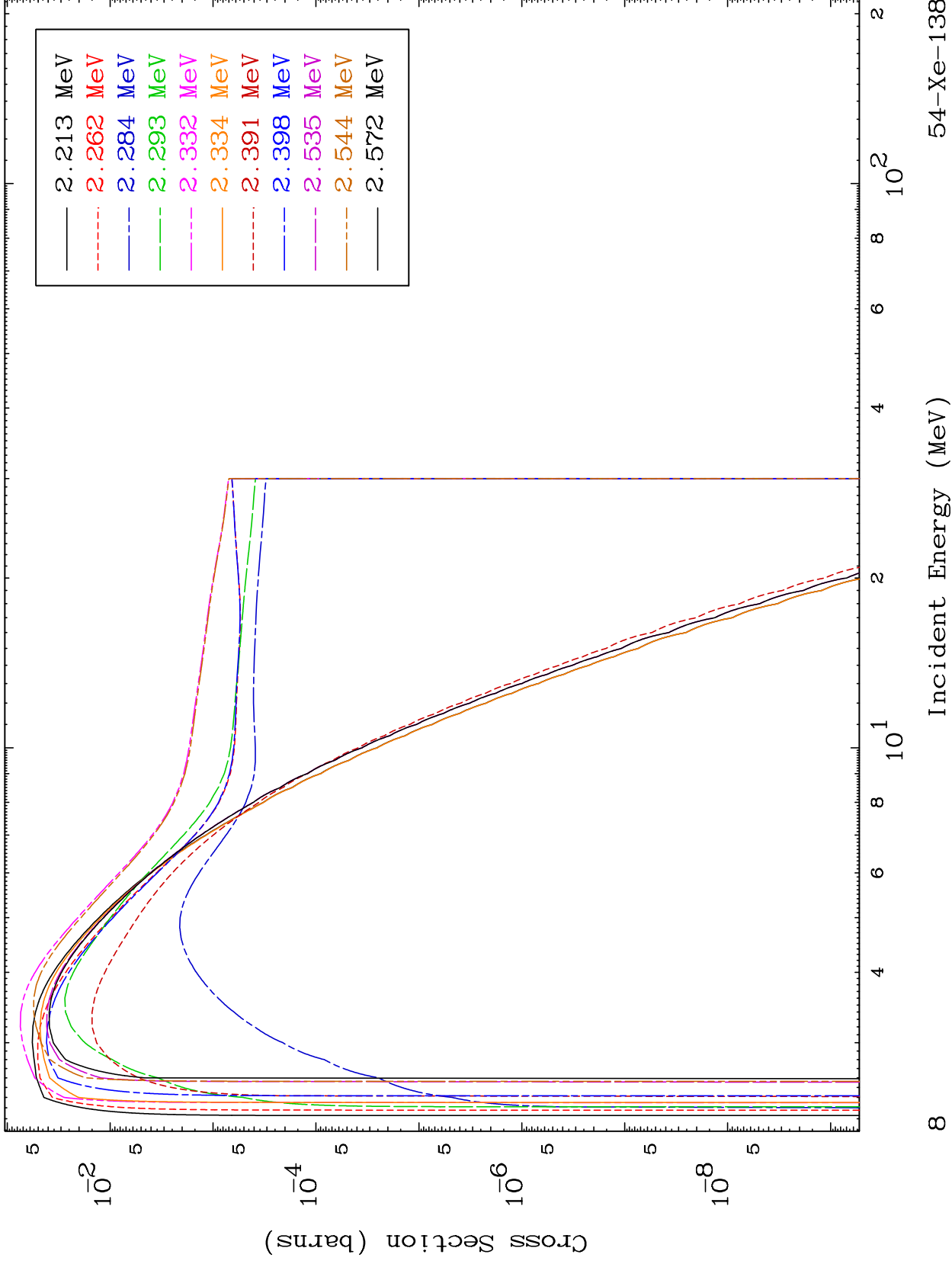
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,n') Level
293 Kelvin Cross Sections

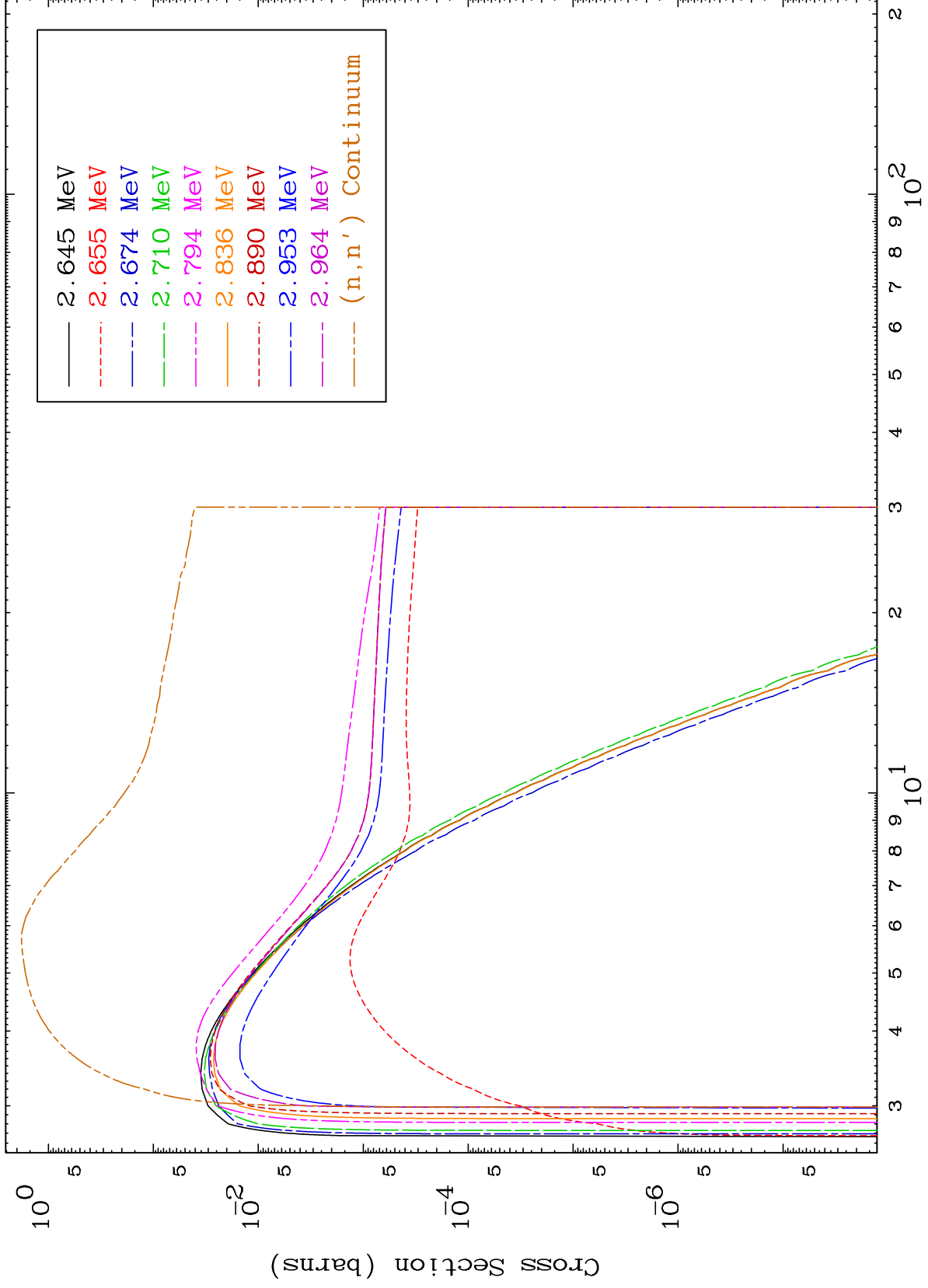
54-Xe-138



54-Xe-138

Incident Energy (MeV)

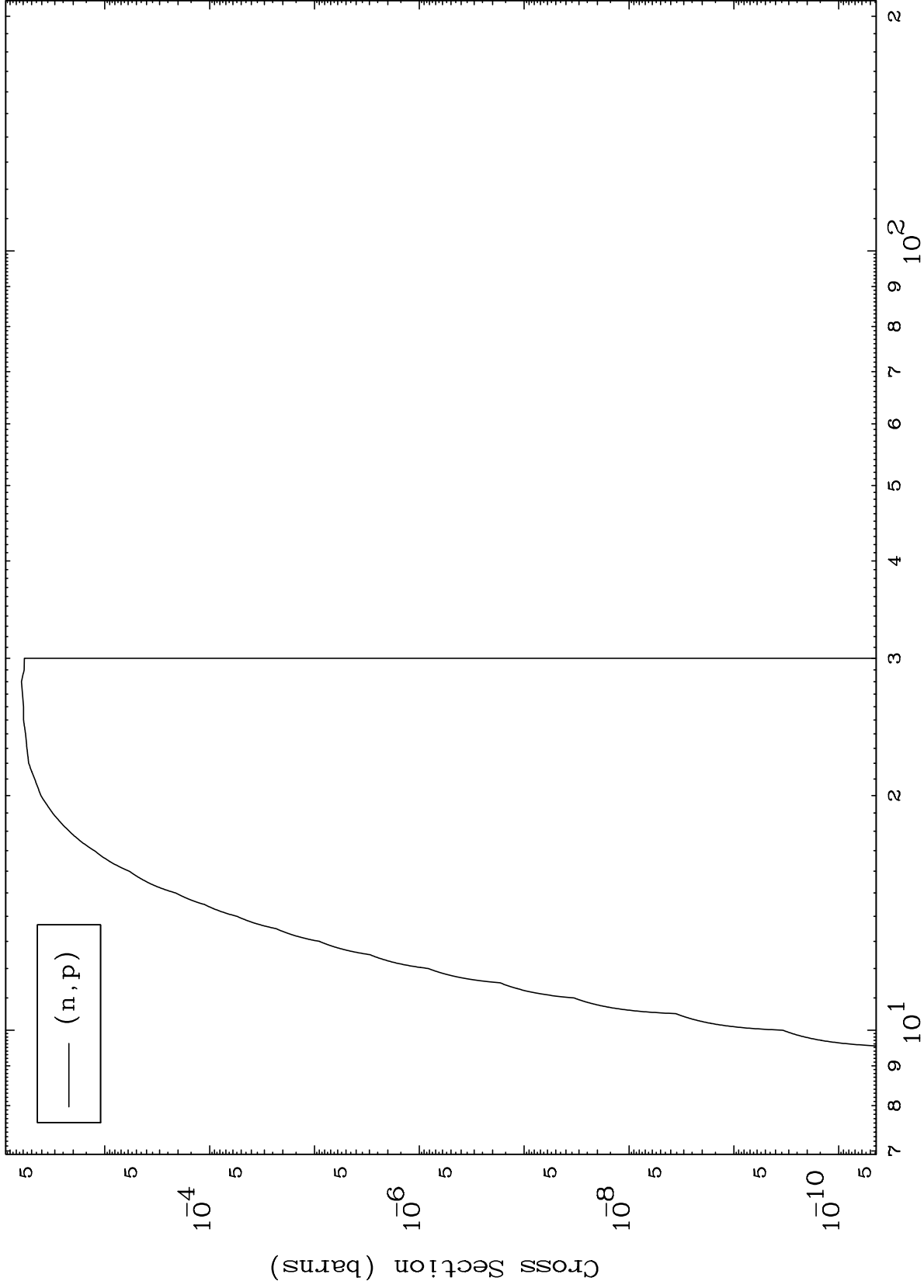
8



MAT 5467

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-138



10

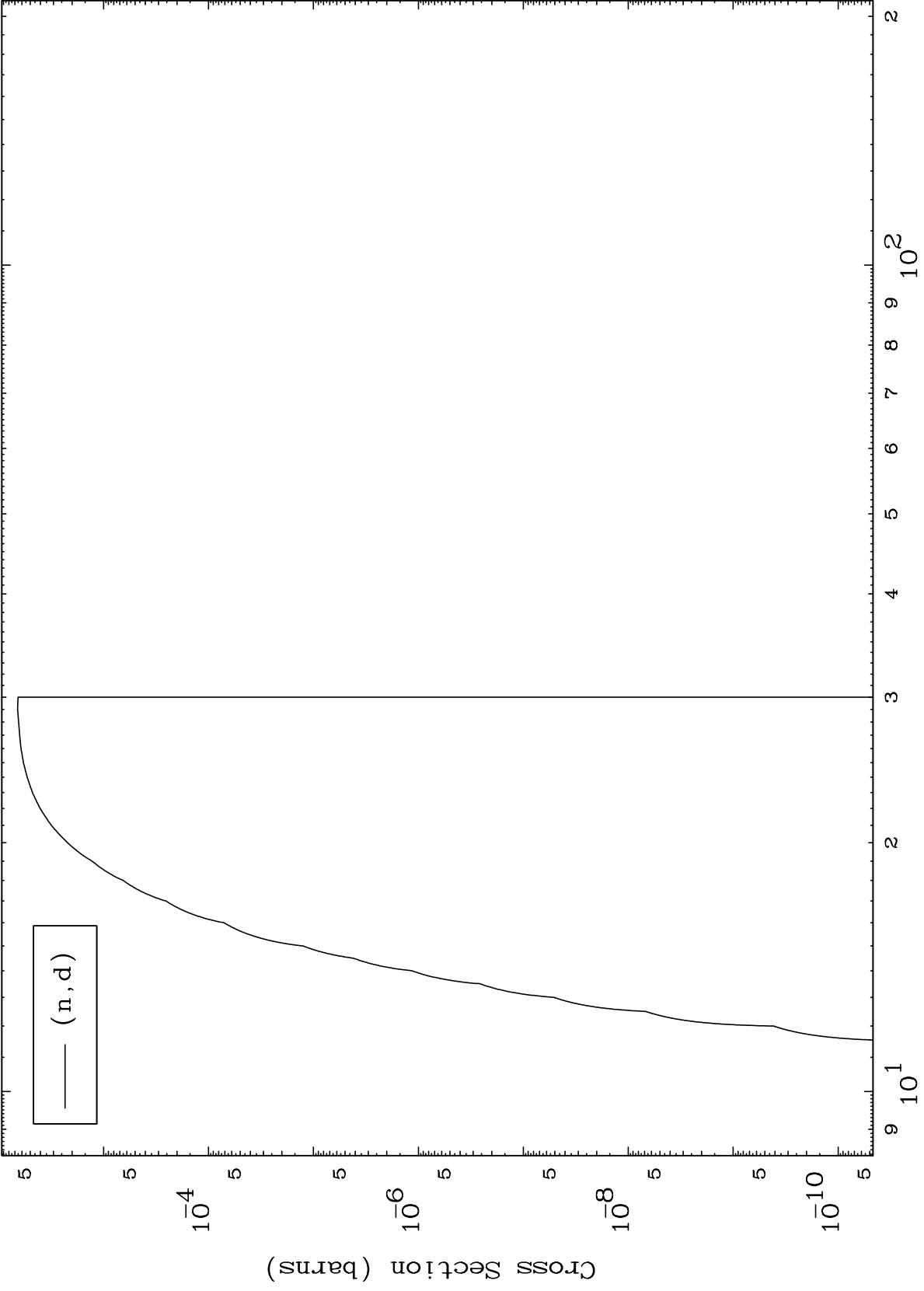
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-138



11

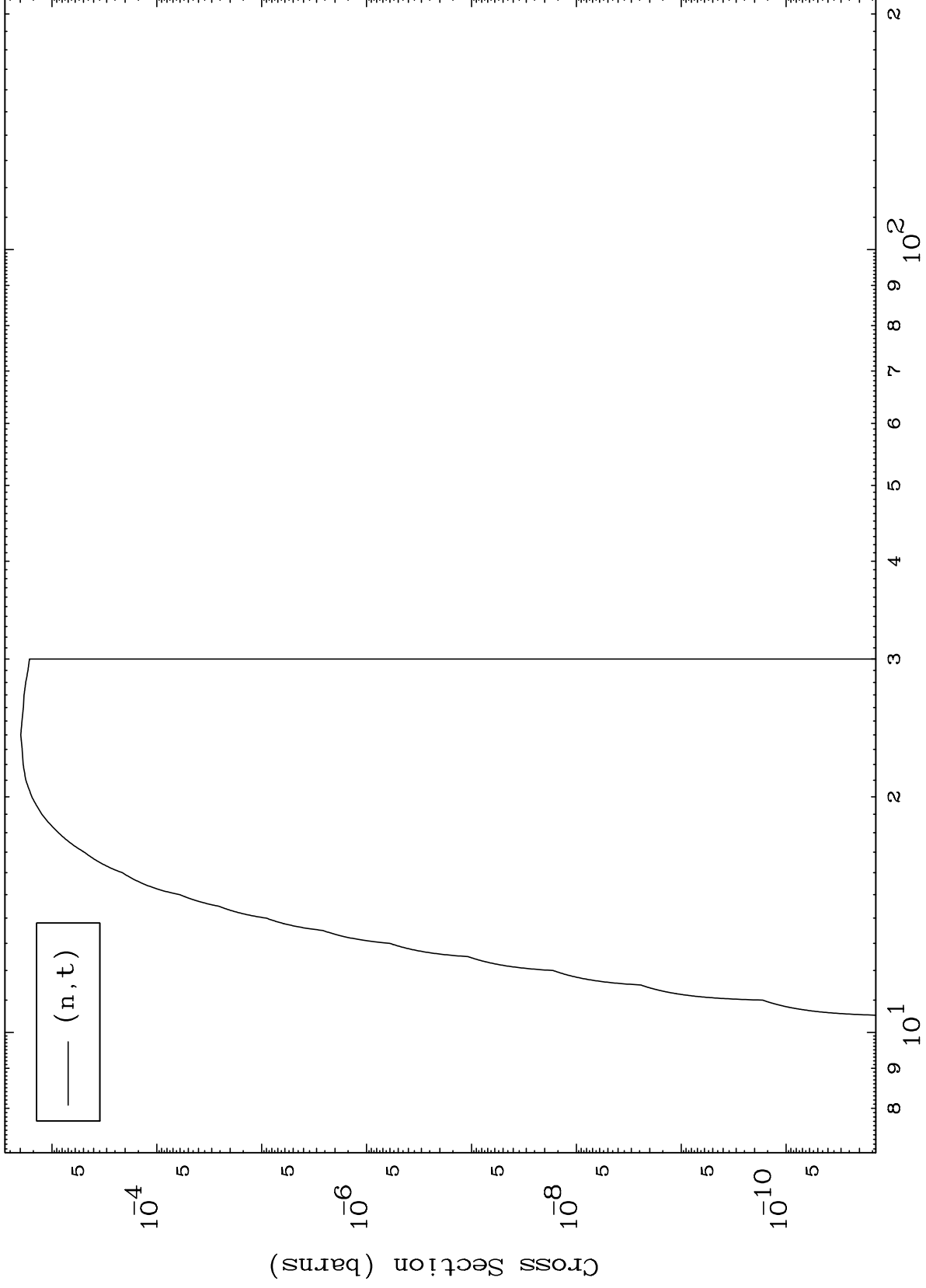
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,t) Levels
293 Kelvin Cross Sections

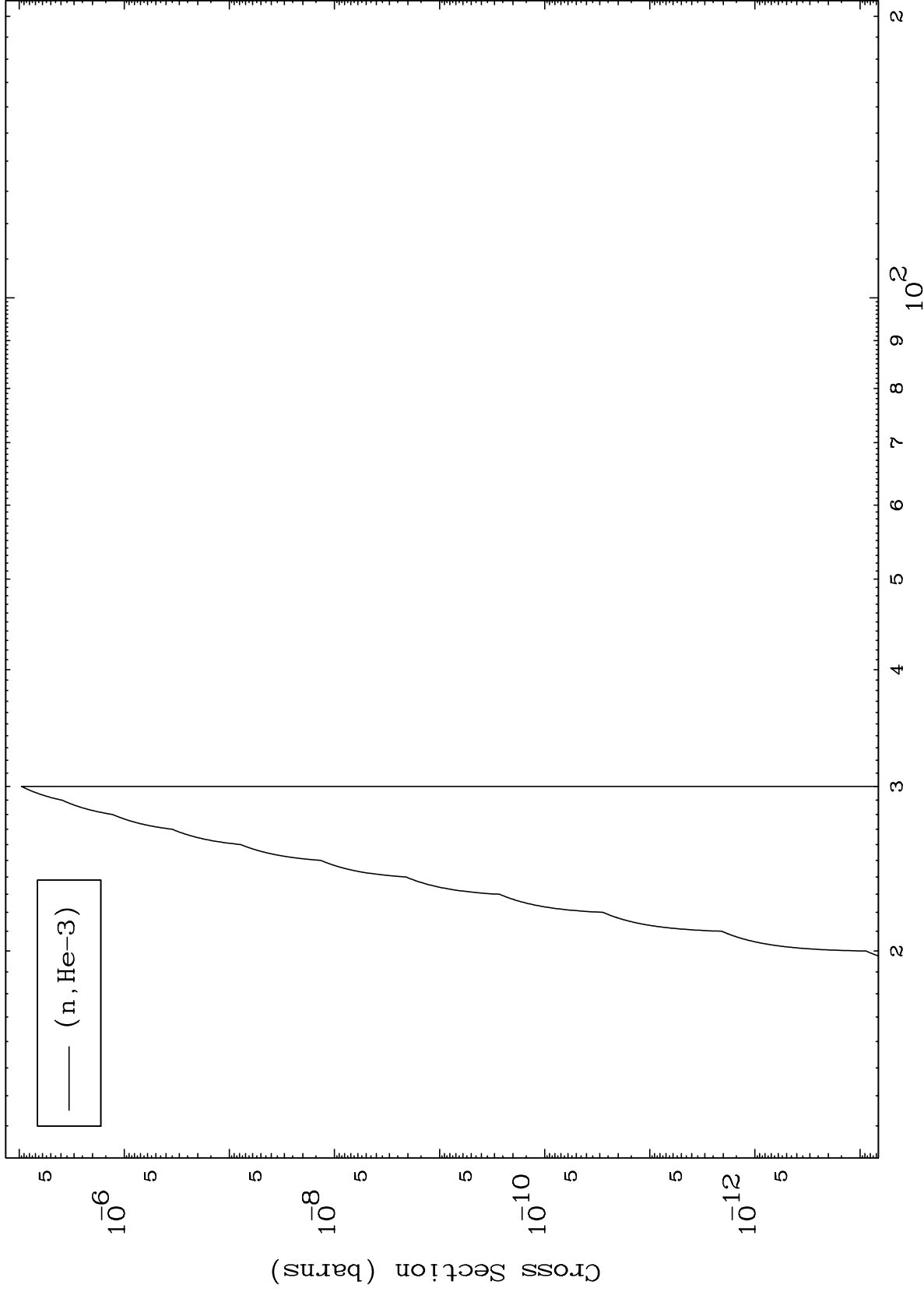
54-Xe-138



12

Incident Energy (MeV)

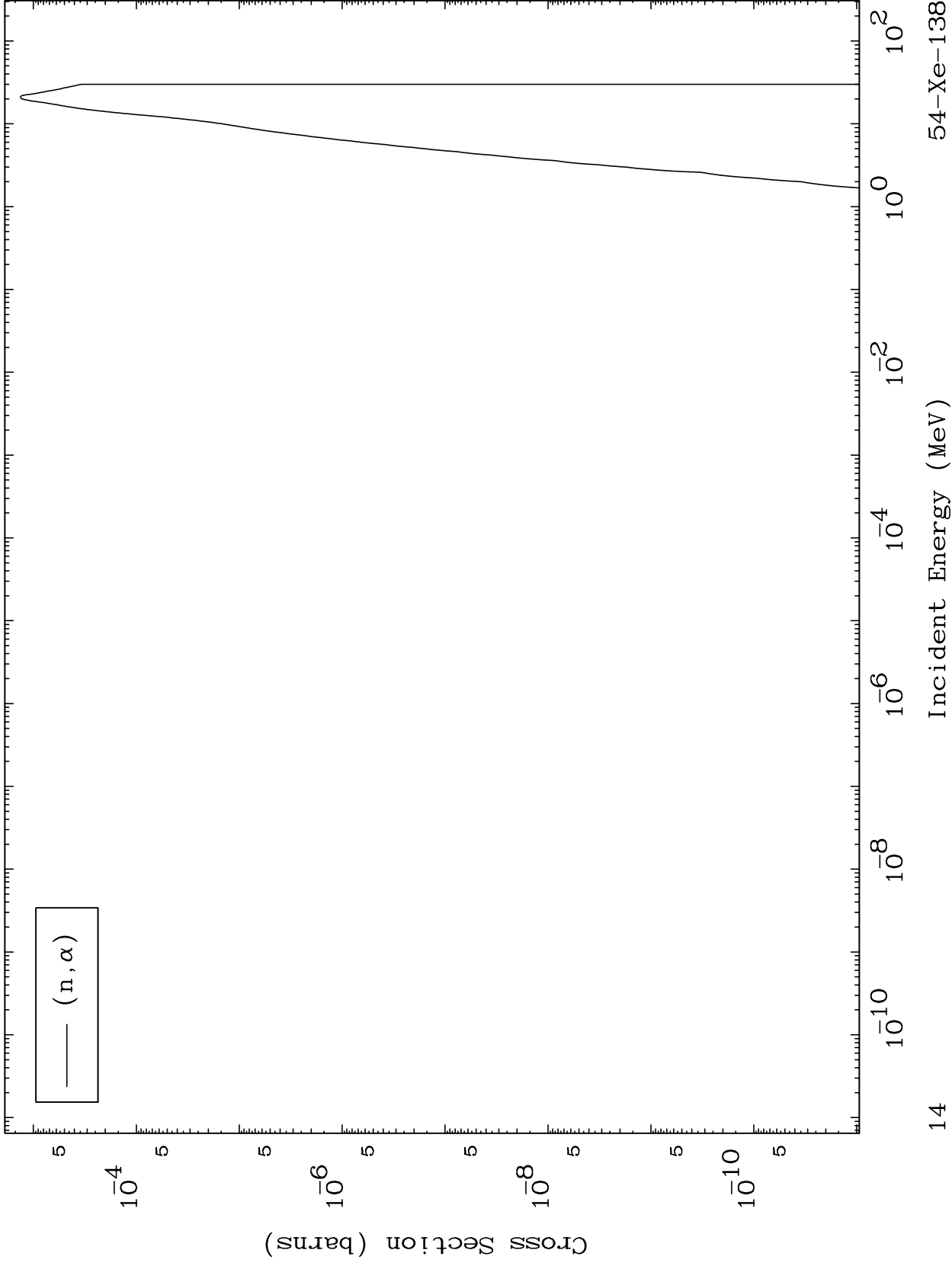
54-Xe-138

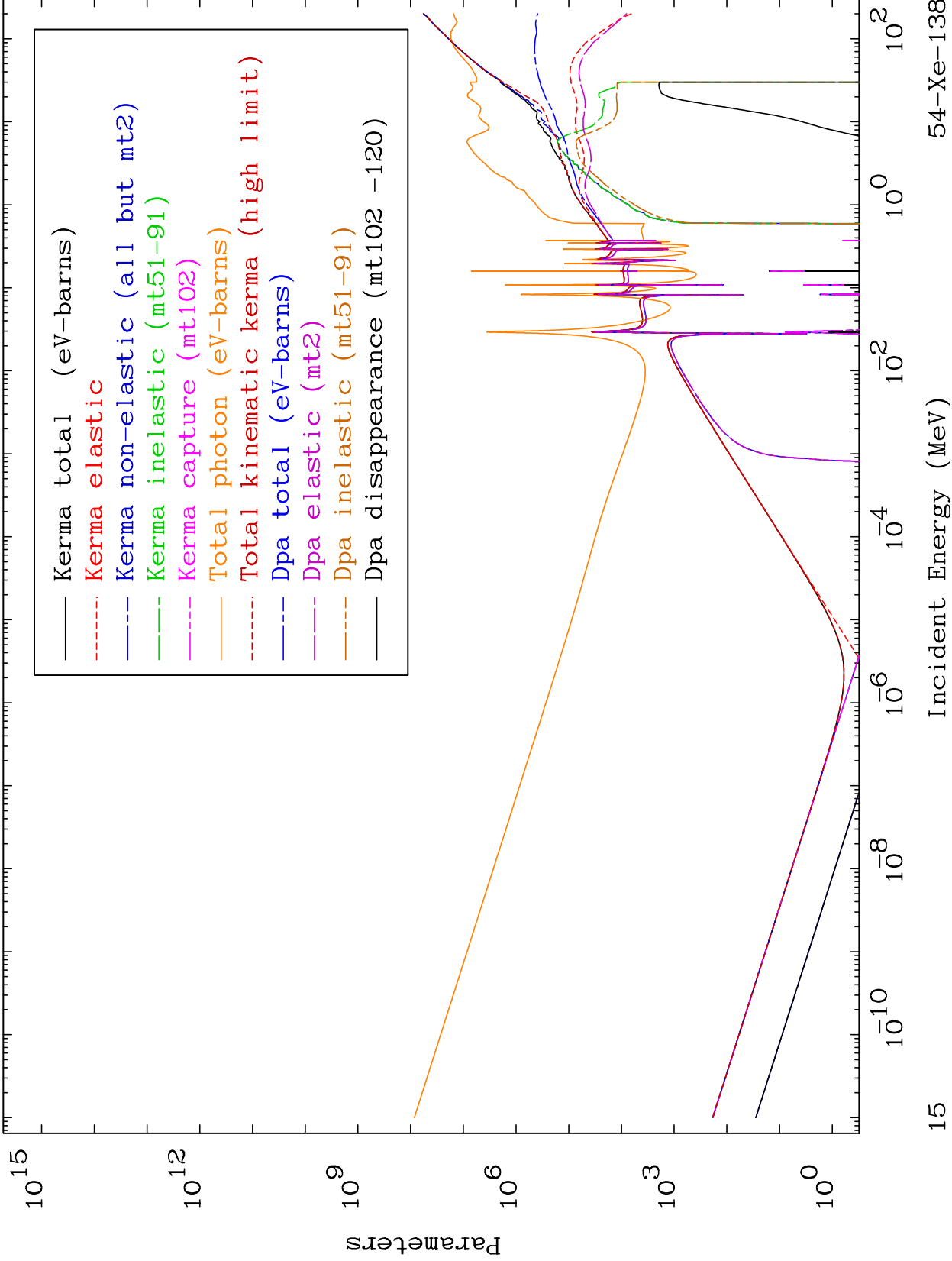


MAT 5467

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-138

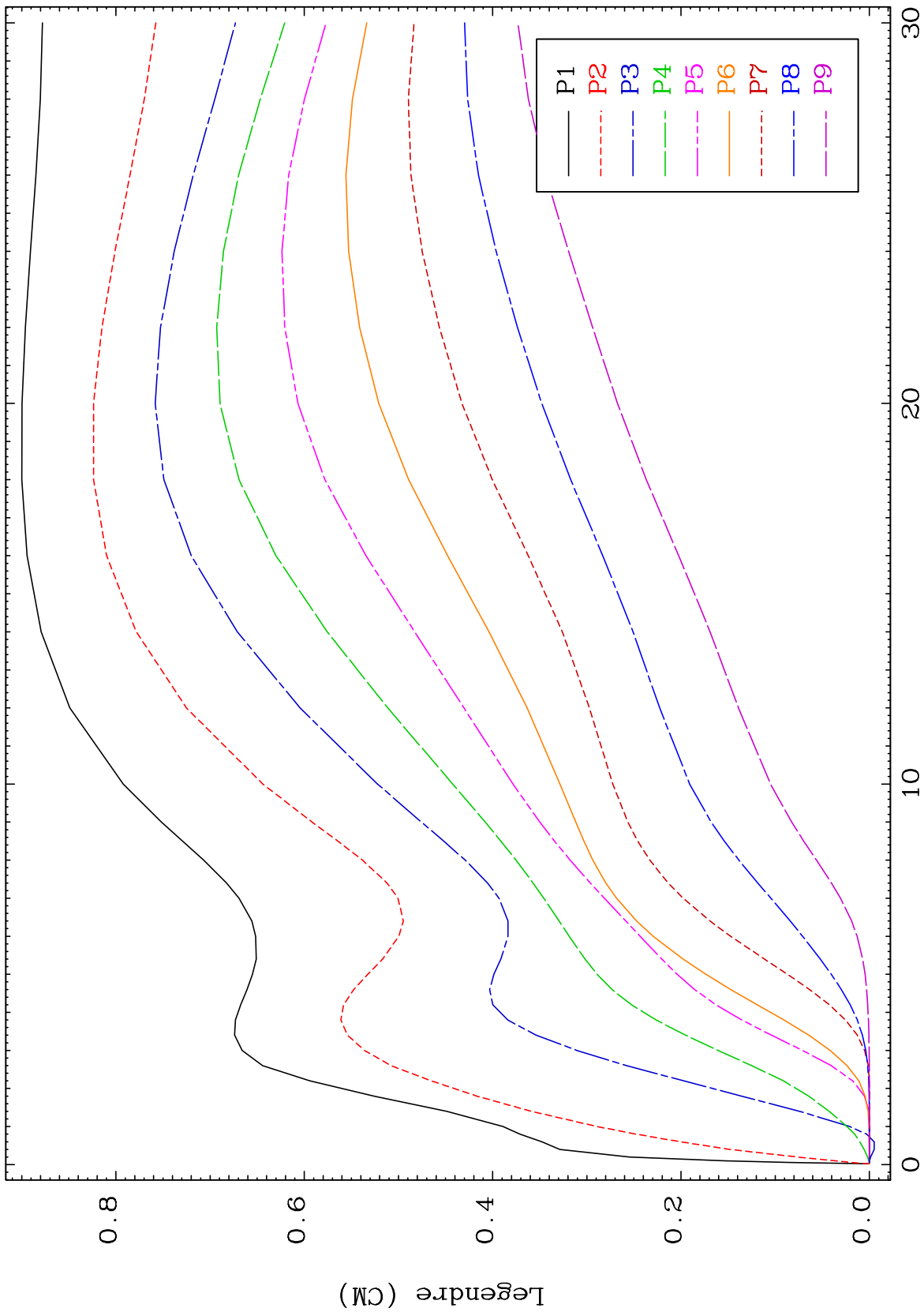




MAT 5467

54-Xe-138

Elastic Legendre Coefficients



16

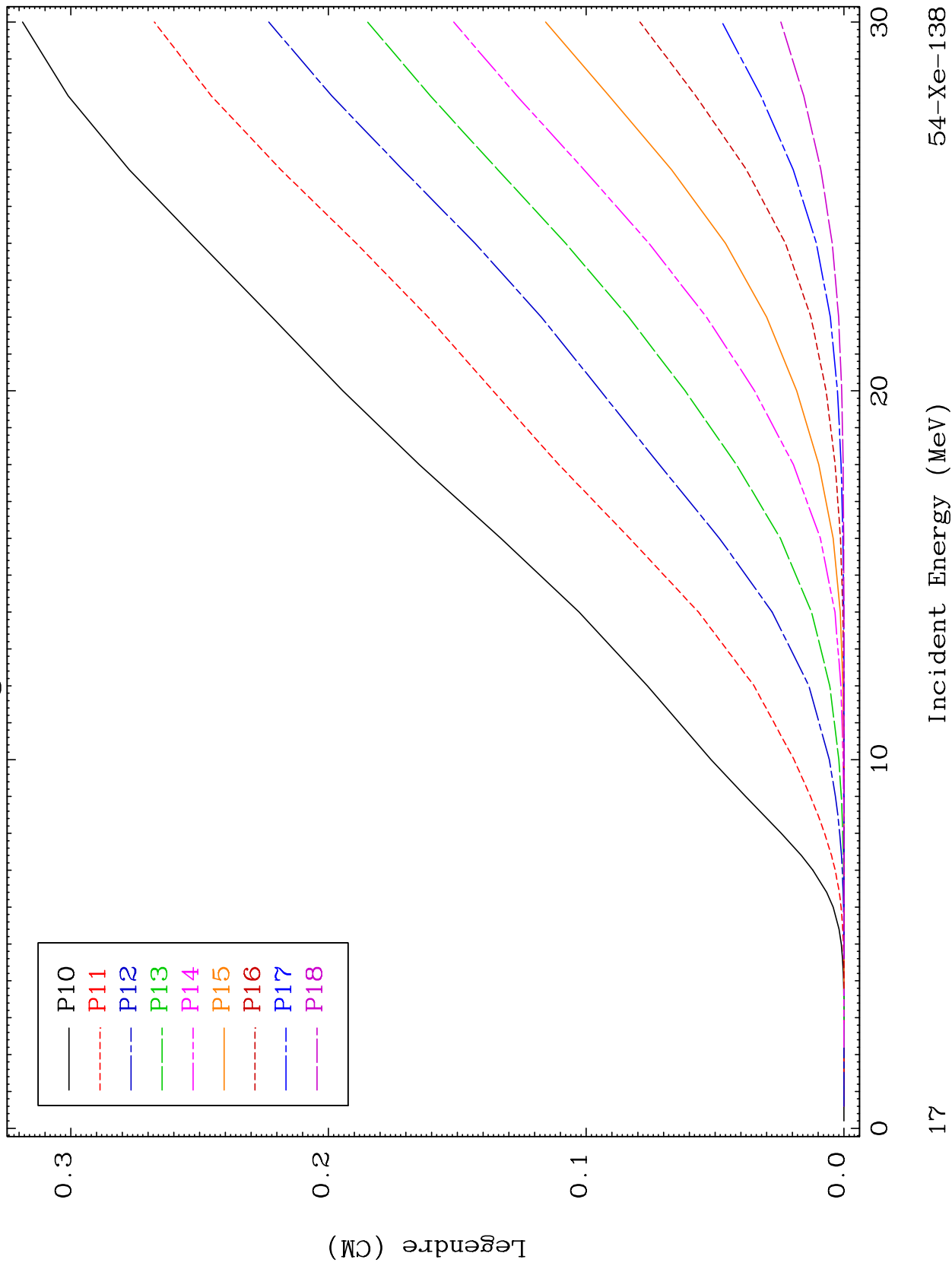
Incident Energy (MeV)

54-Xe-138

MAT 5467

Elastic Legendre Coefficients

54-Xe-138



17

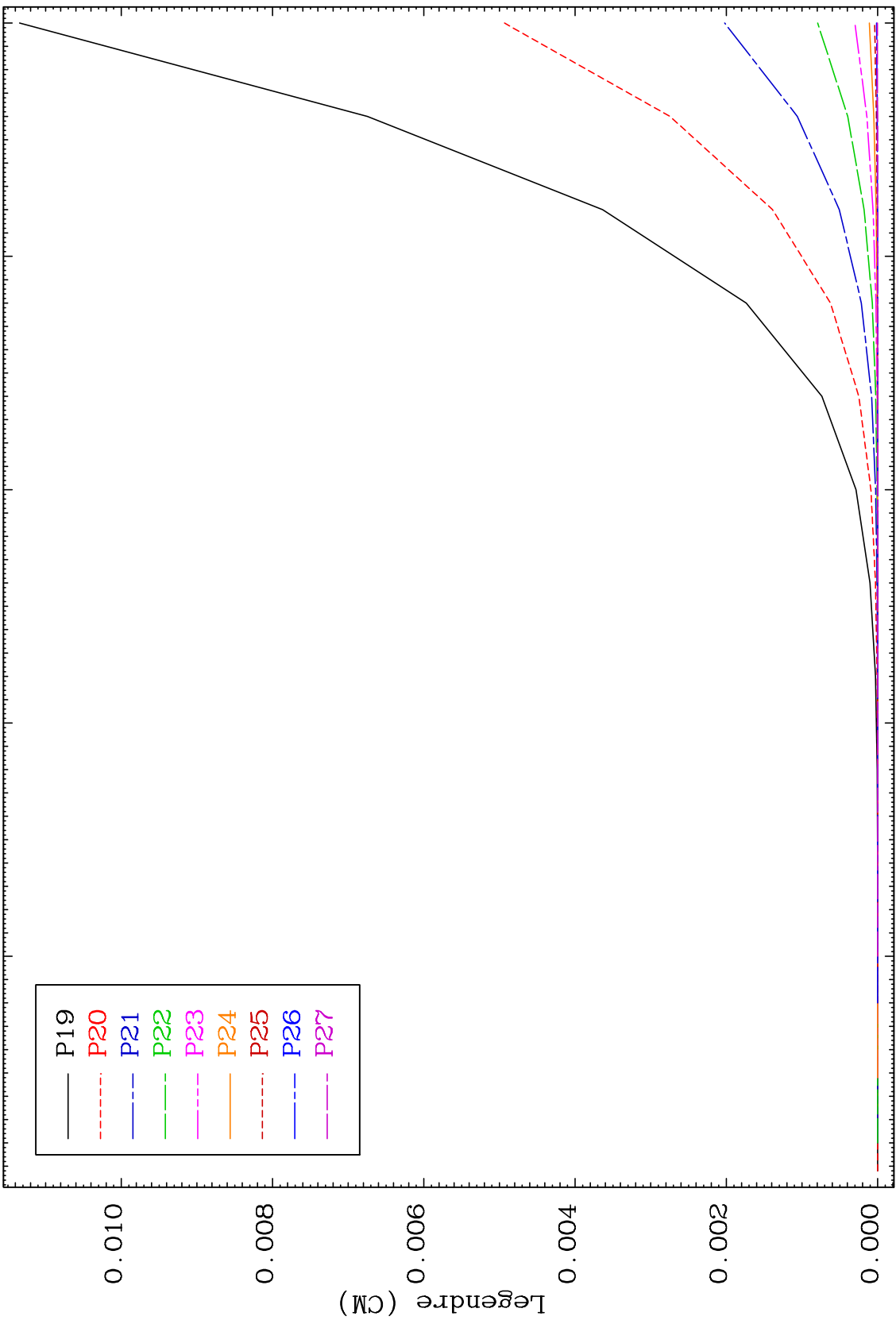
Incident Energy (MeV)

54-Xe-138

MAT 5467

Elastic Legendre Coefficients

54-Xe-138



18

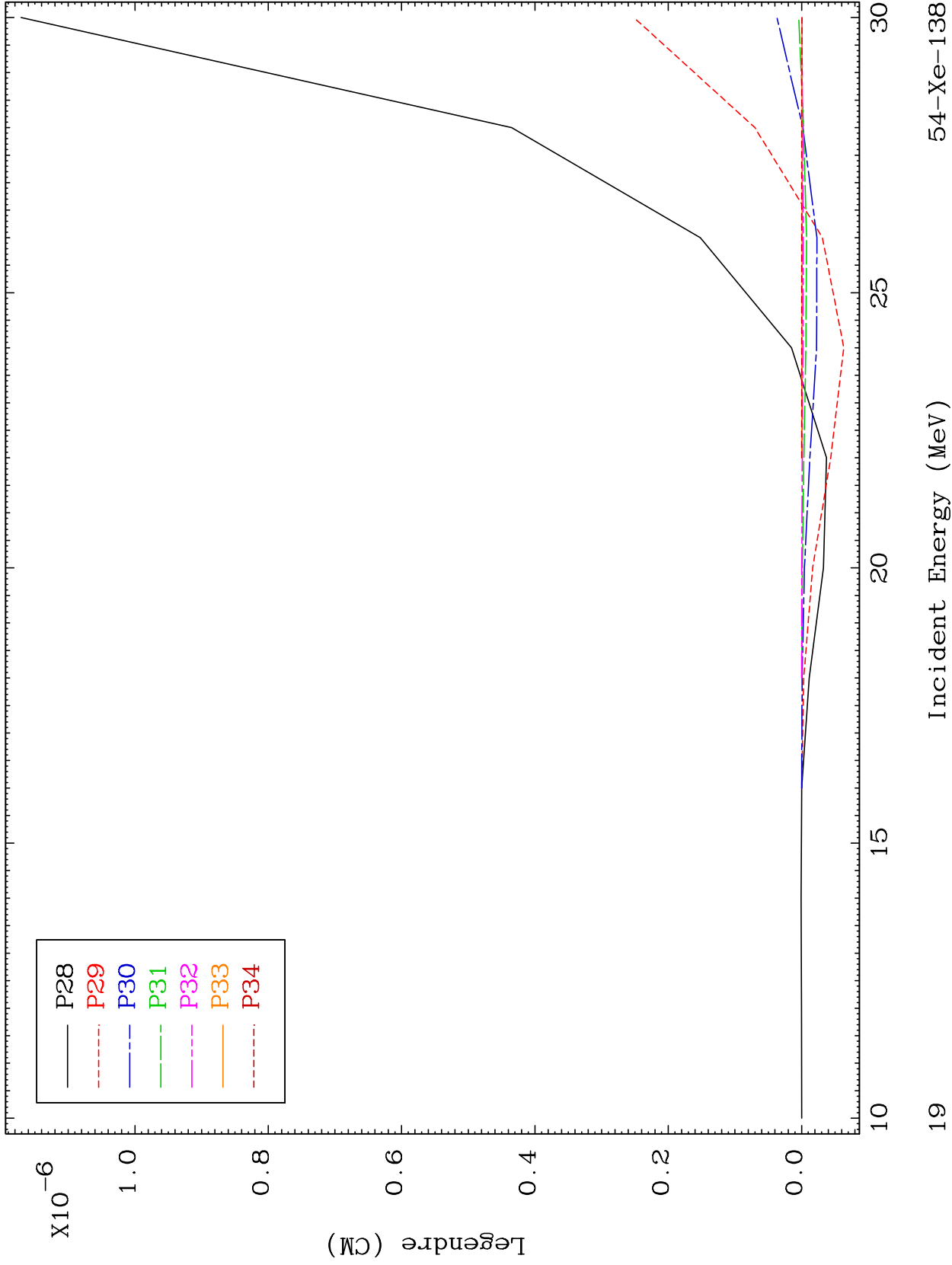
Incident Energy (MeV)

54-Xe-138

MAT 5467

Elastic Legendre Coefficients

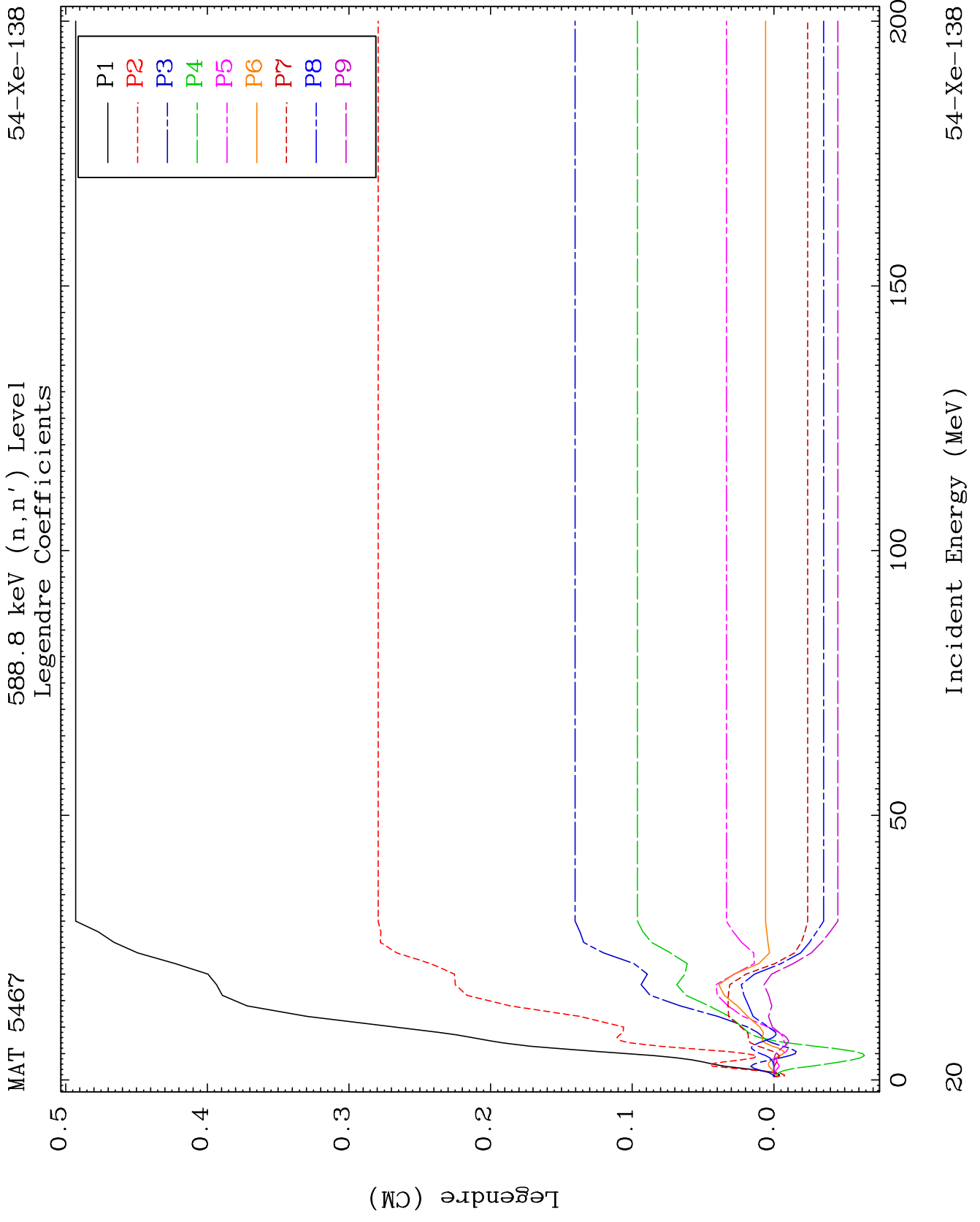
54-Xe-138



19

Incident Energy (MeV)

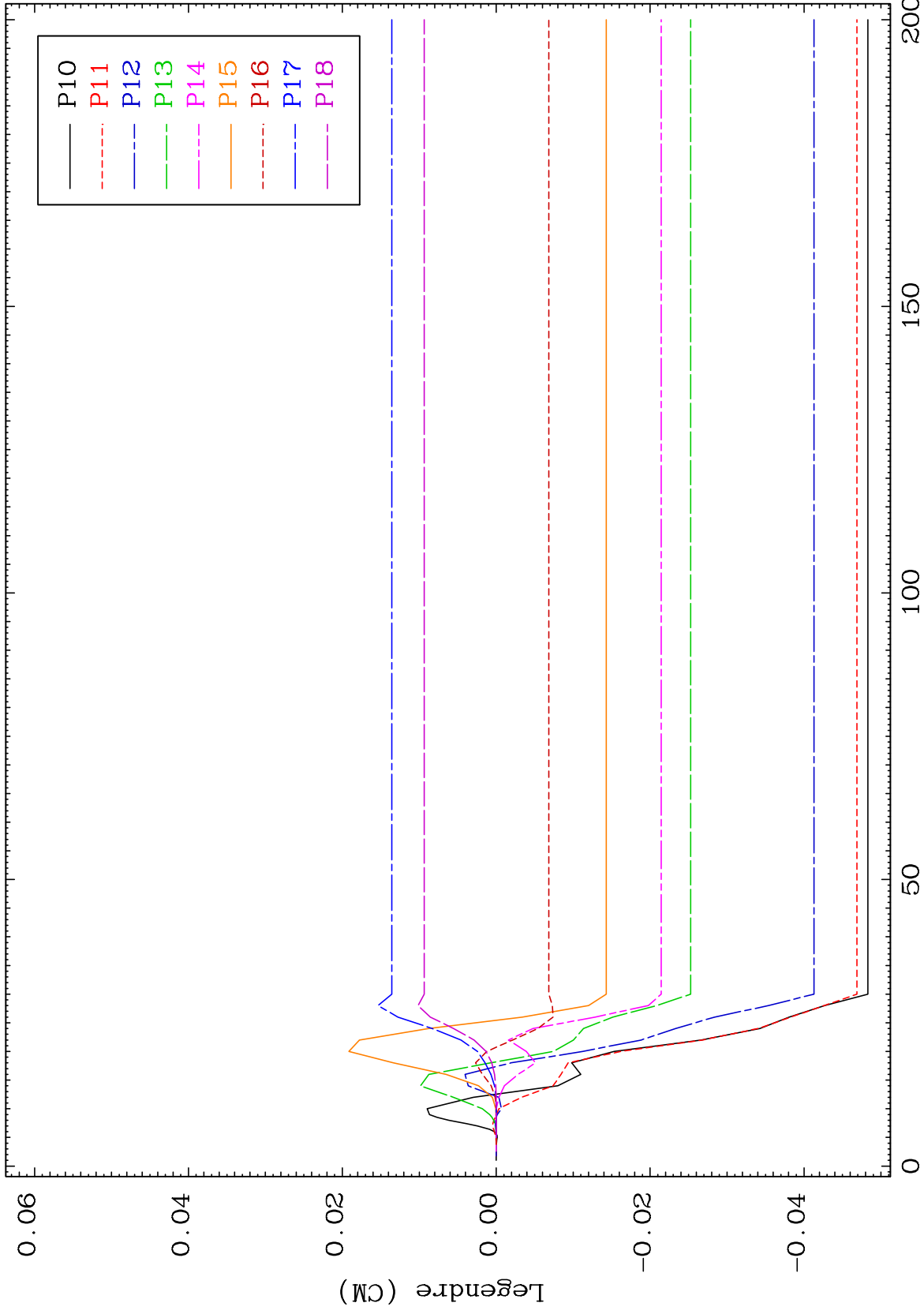
54-Xe-138



MAT 5467

588.8 keV (n,n') Level
Legendre Coefficients

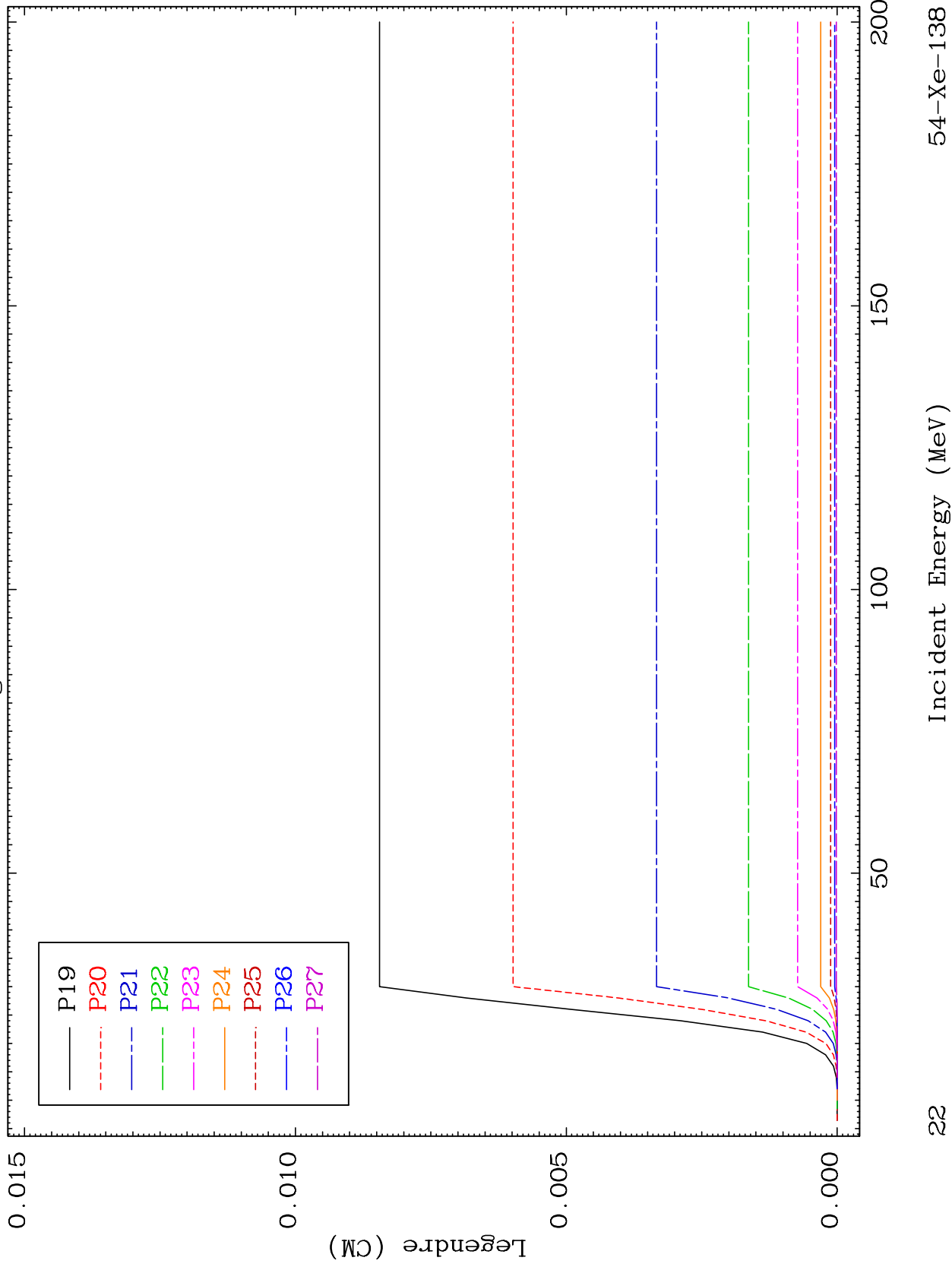
54-Xe-138



21

Incident Energy (MeV)

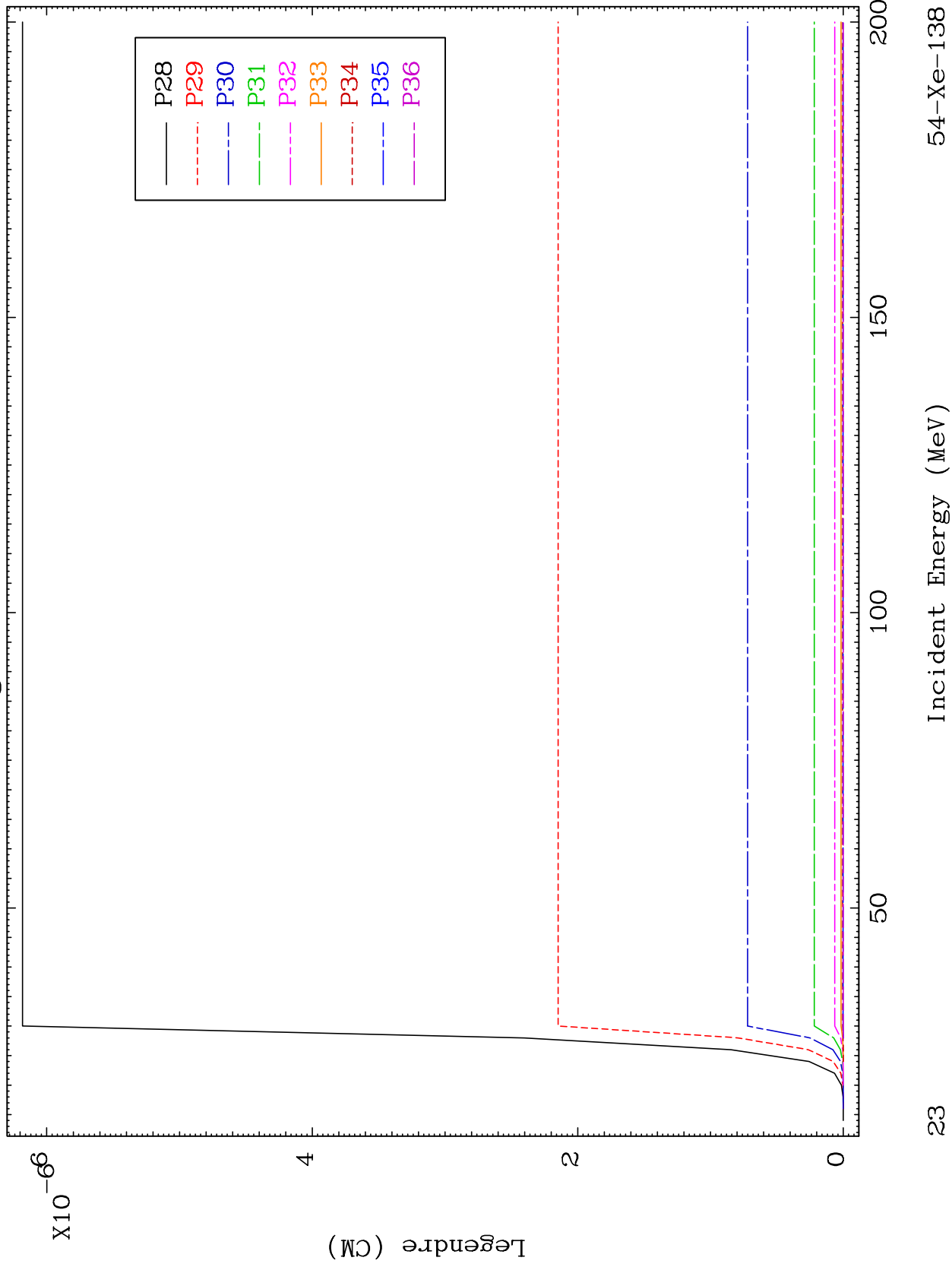
54-Xe-138



MAT 5467

588.8 keV (n,n') Level
Legendre Coefficients

54-Xe-138

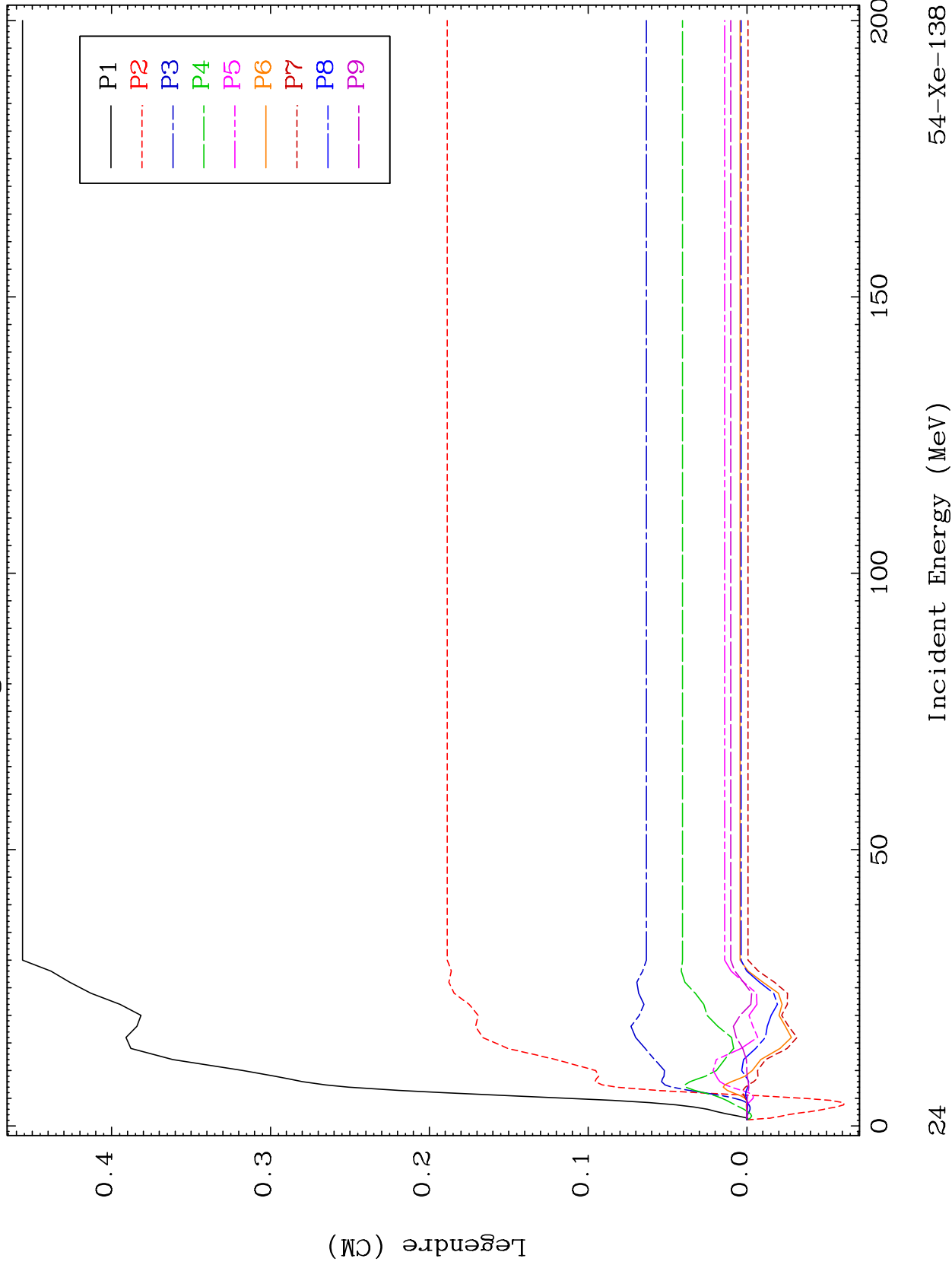


23

MAT 5467

1.073 MeV (n,n') Level
Legendre Coefficients

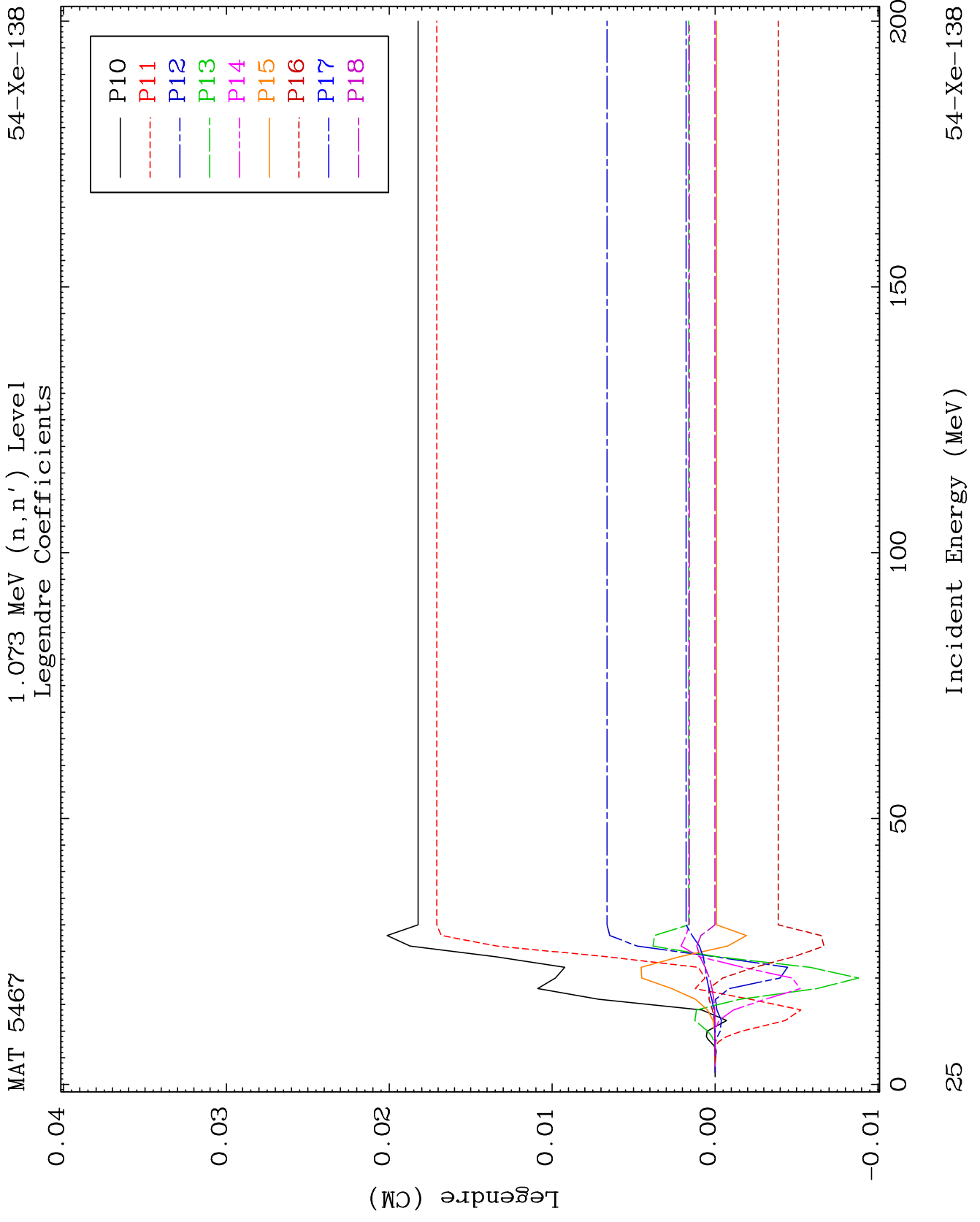
54-Xe-138

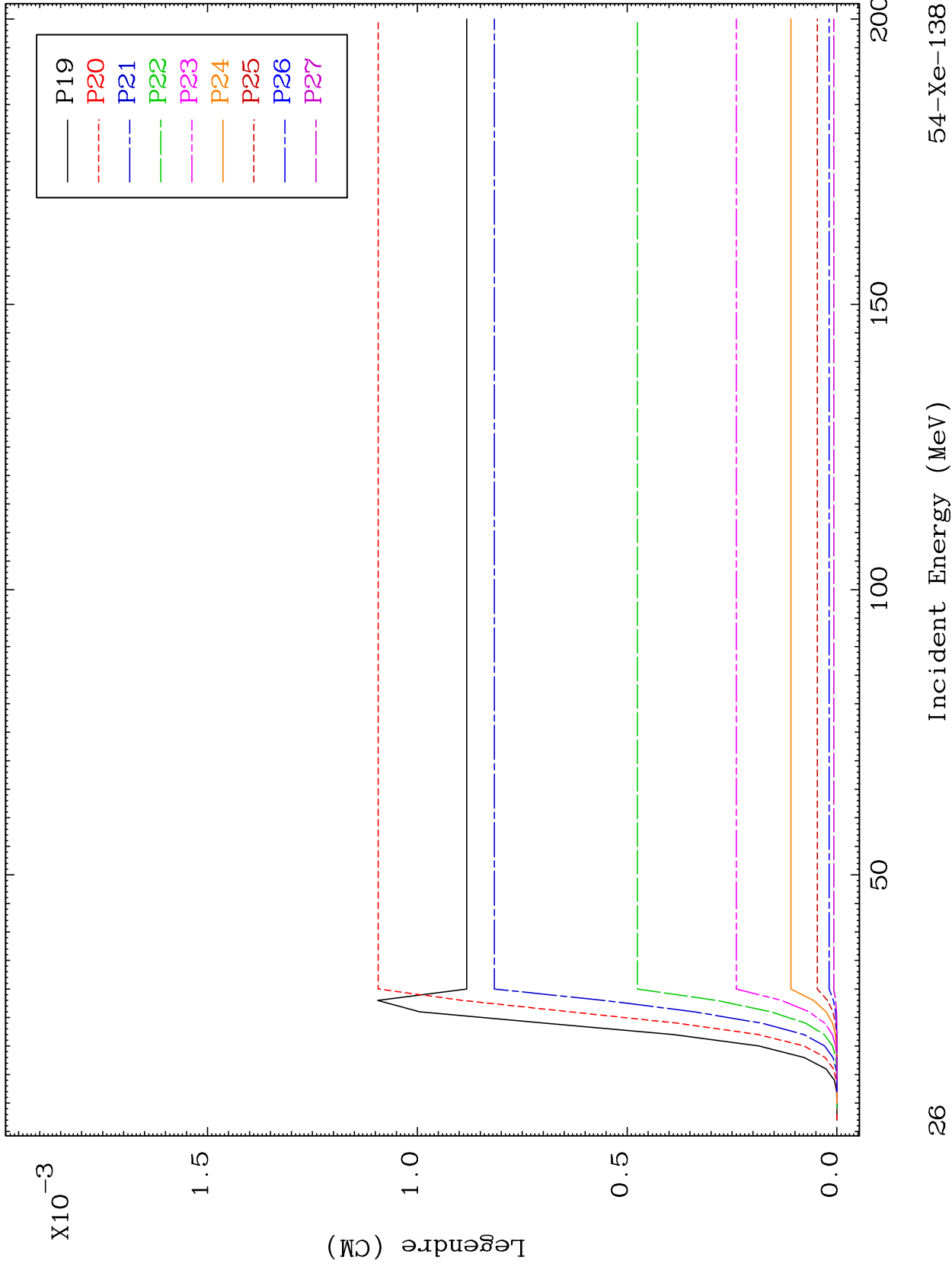


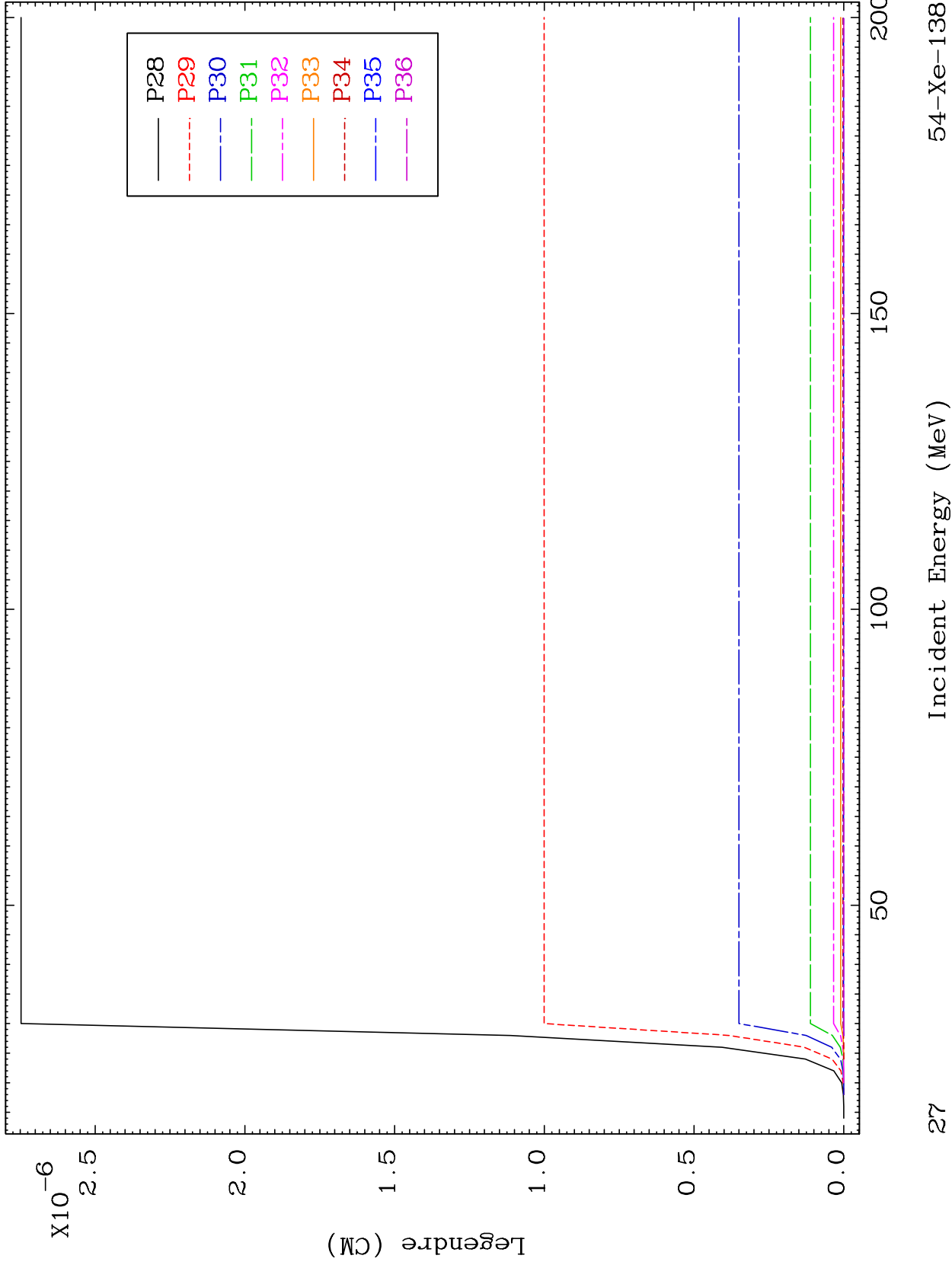
54-Xe-138

Incident Energy (MeV)

24



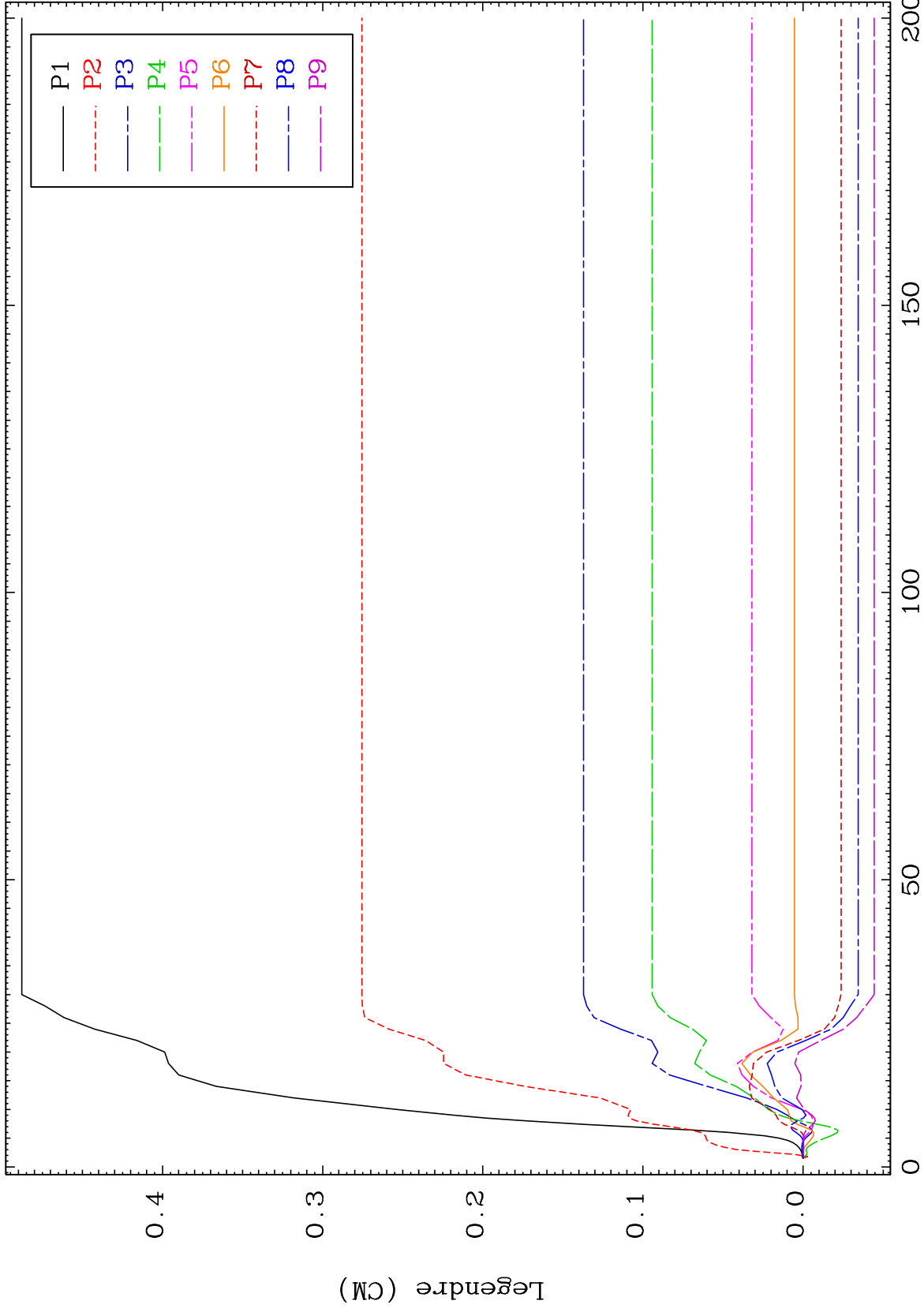




MAT 5467

1.464 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



28

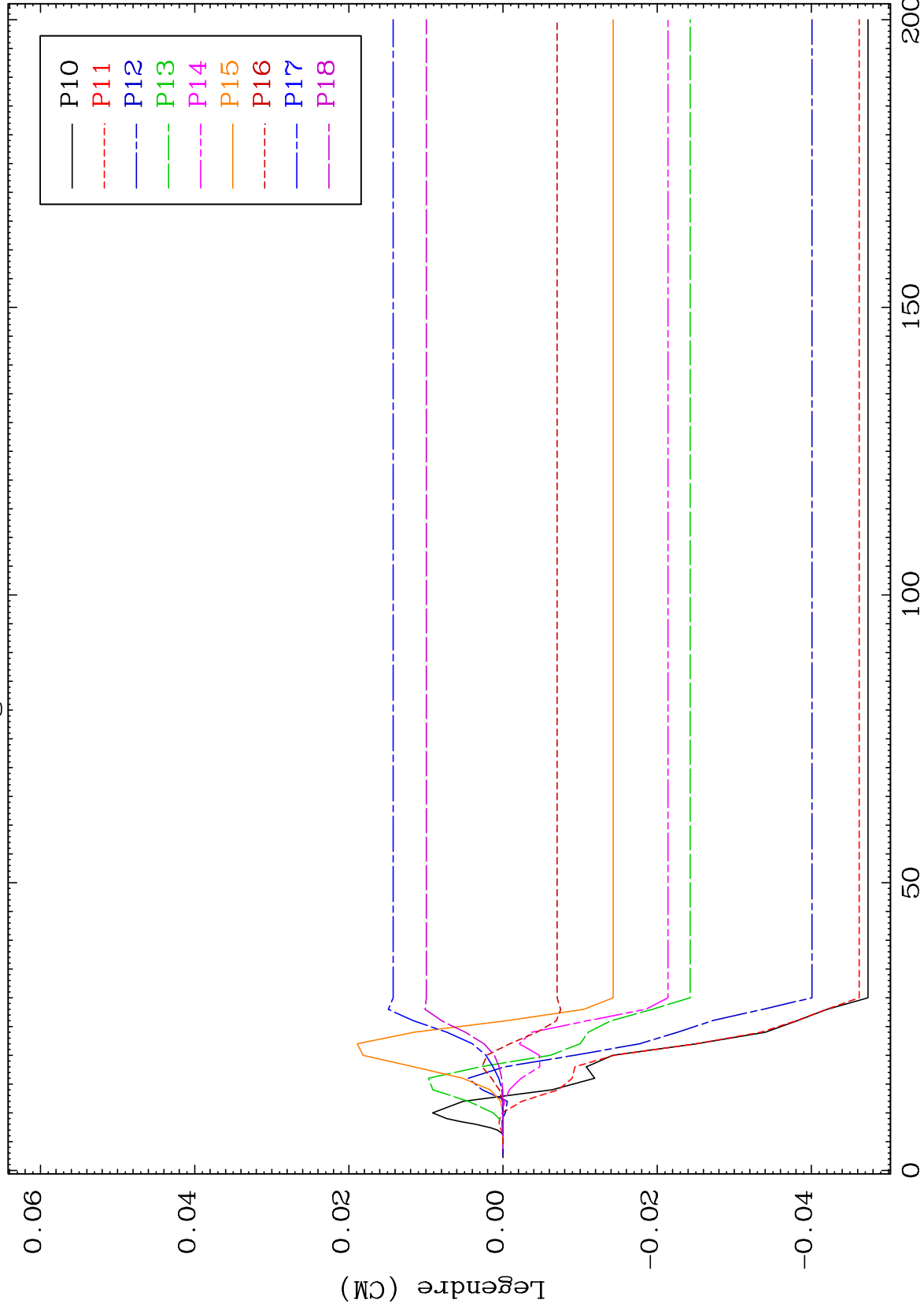
Incident Energy (MeV)

54-Xe-138

MAT 5467

1.464 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



29

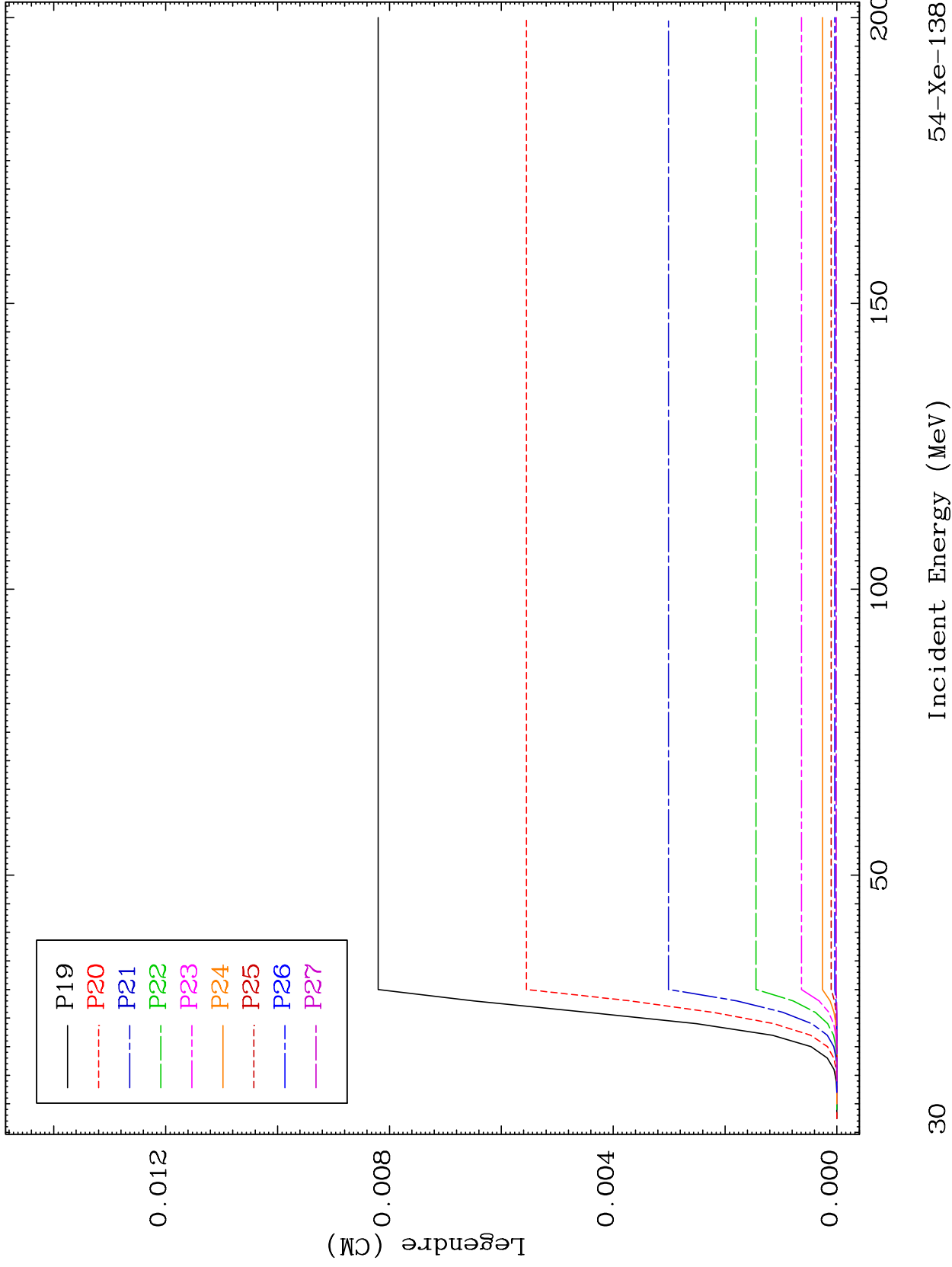
Incident Energy (MeV)

54-Xe-138

MAT 5467

1.464 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



30

Incident Energy (MeV)

50

100

150

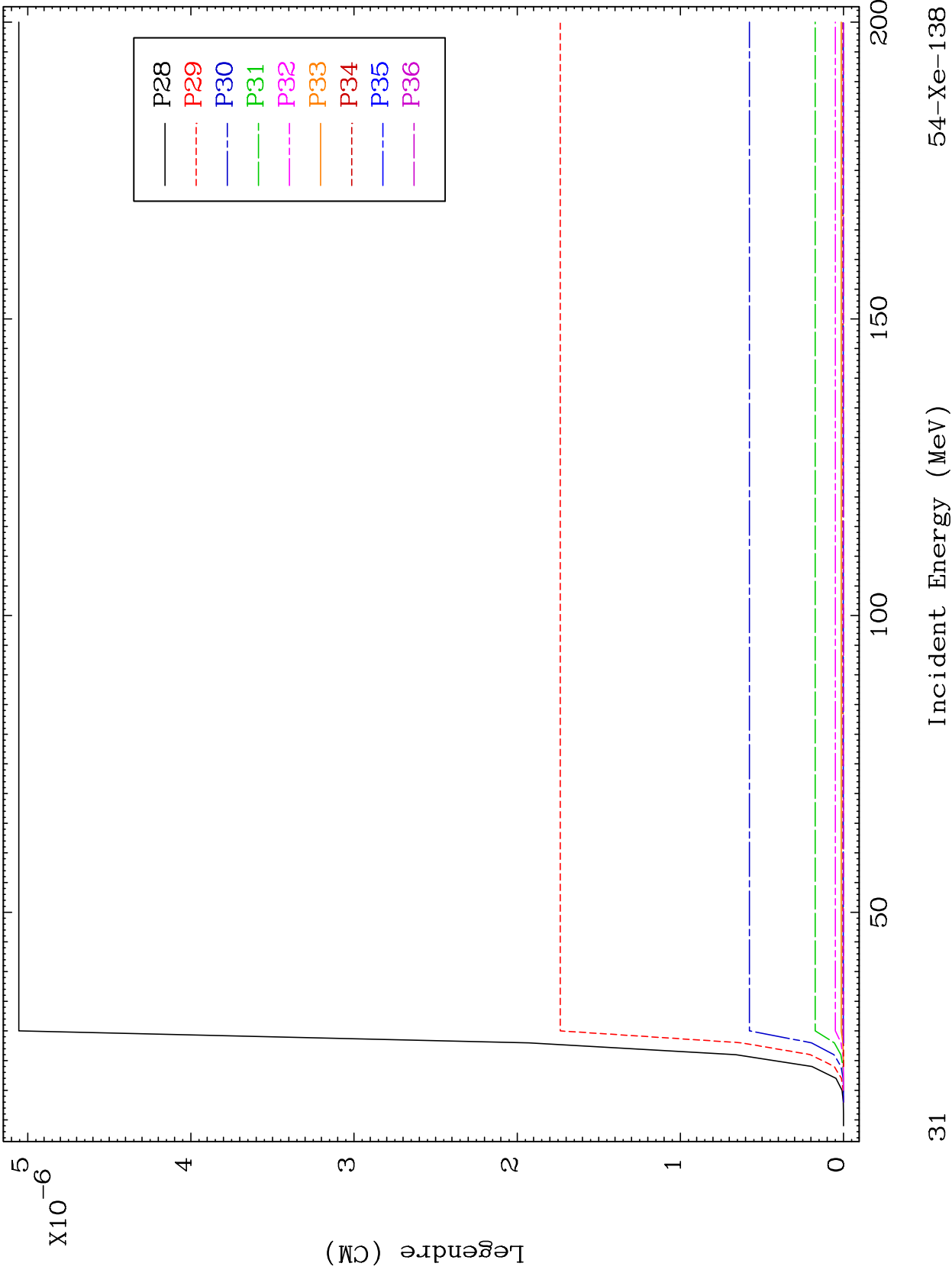
200

54-Xe-138

MAT 5467

1.464 MeV (n, n') Level
Legendre Coefficients

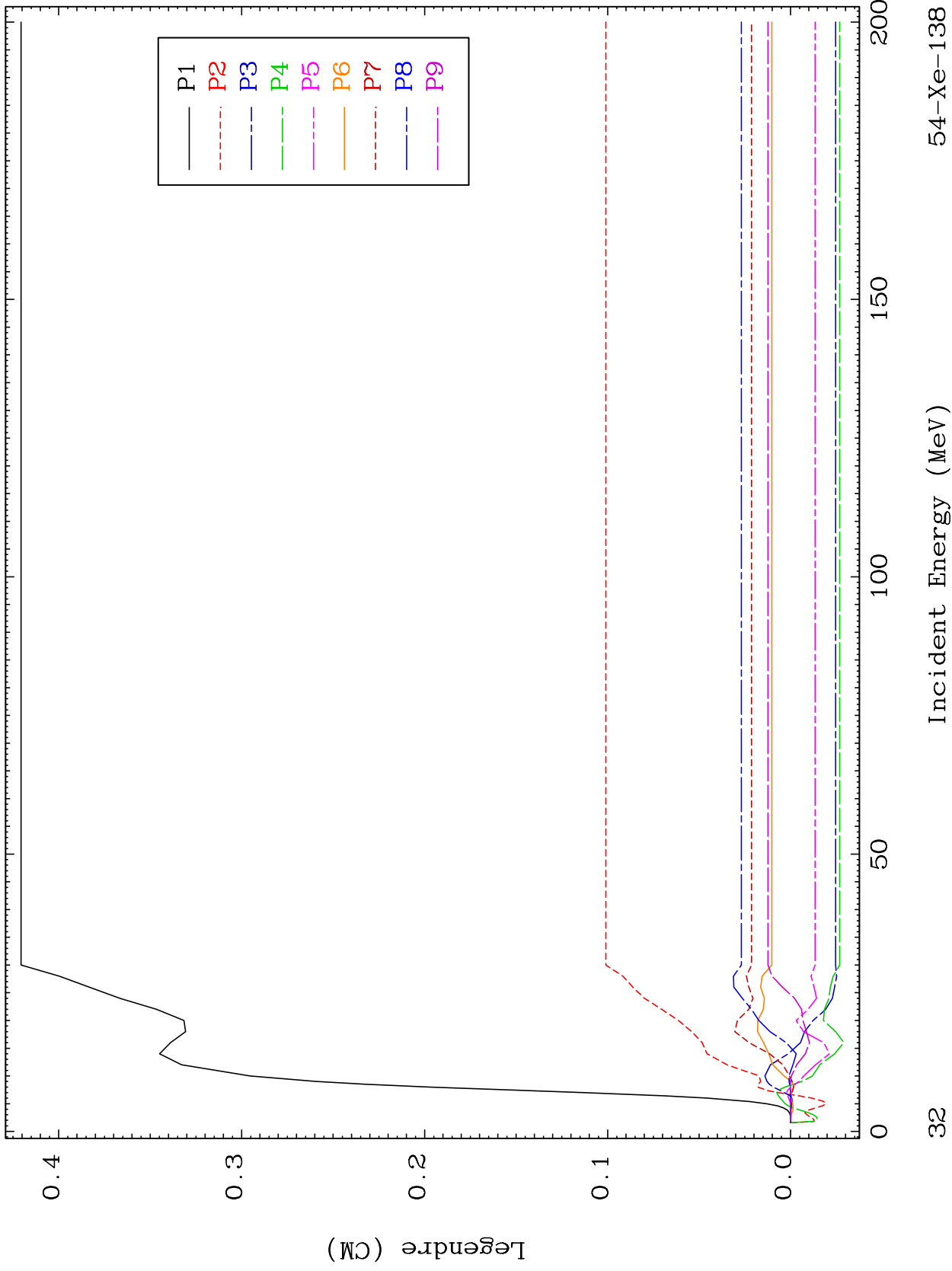
54-Xe-138



MAT 5467

1.555 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



54-Xe-138

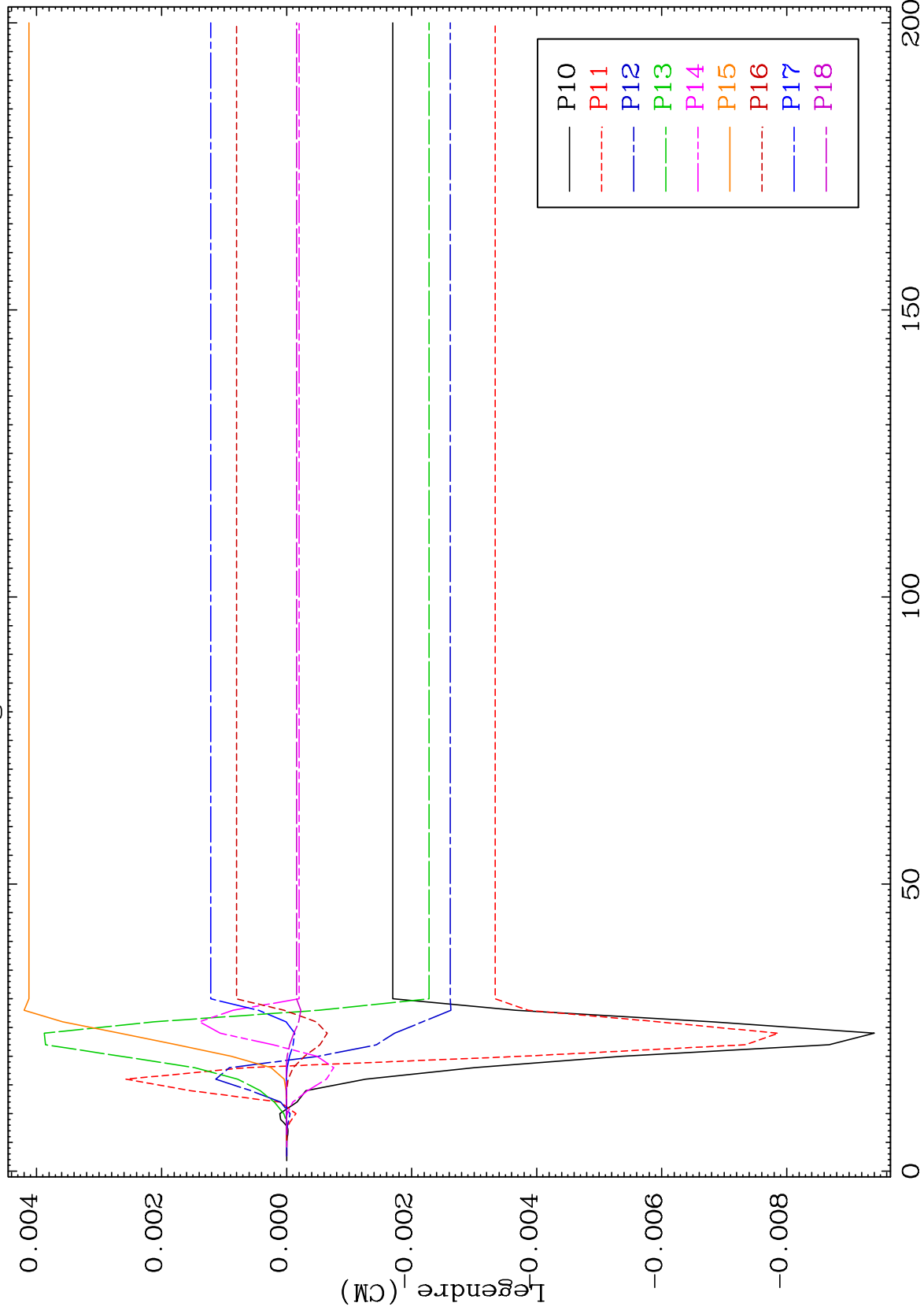
Incident Energy (MeV)

32

MAT 5467

1.555 MeV (n,n') Level
Legendre Coefficients

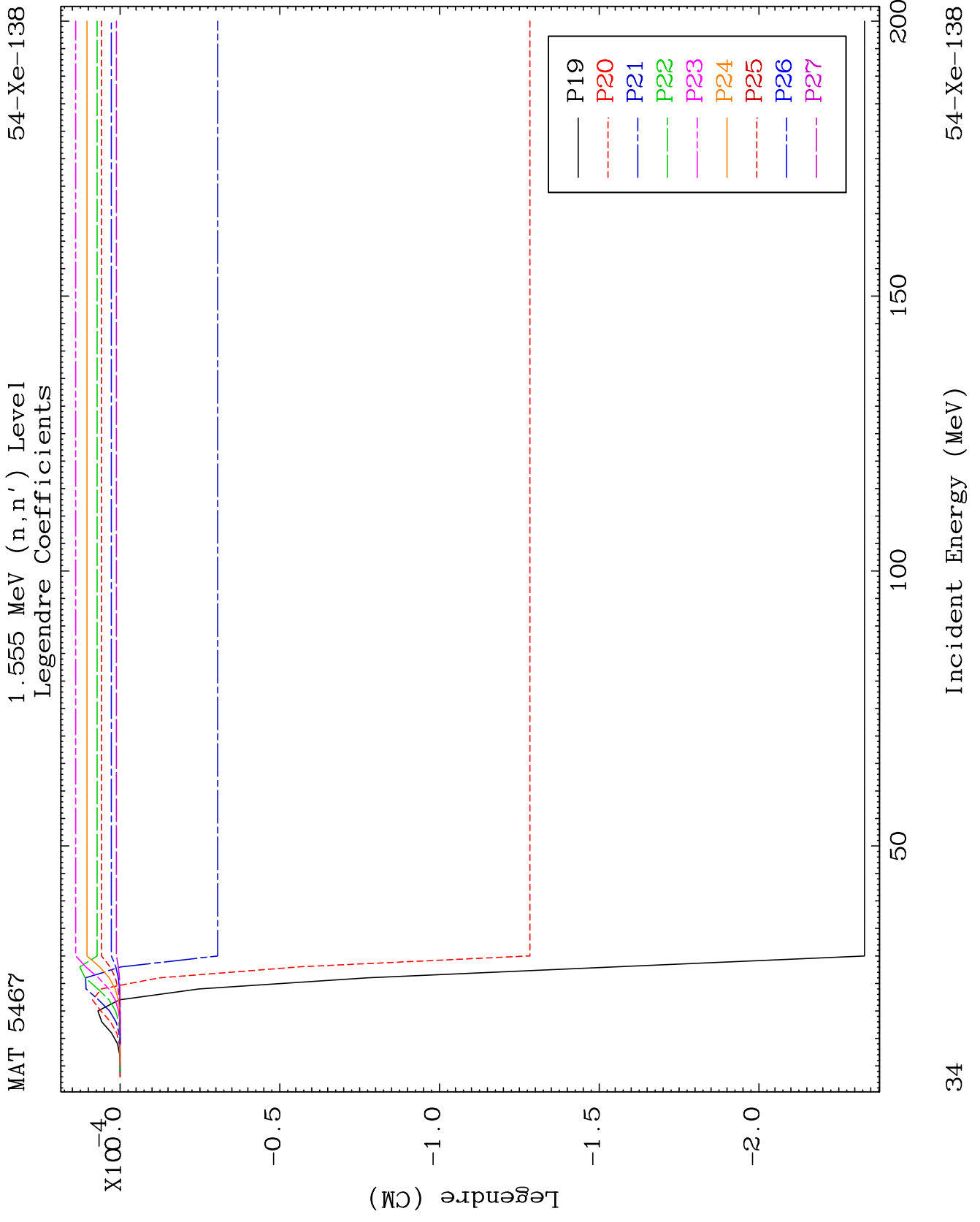
54-Xe-138



33

Incident Energy (MeV)

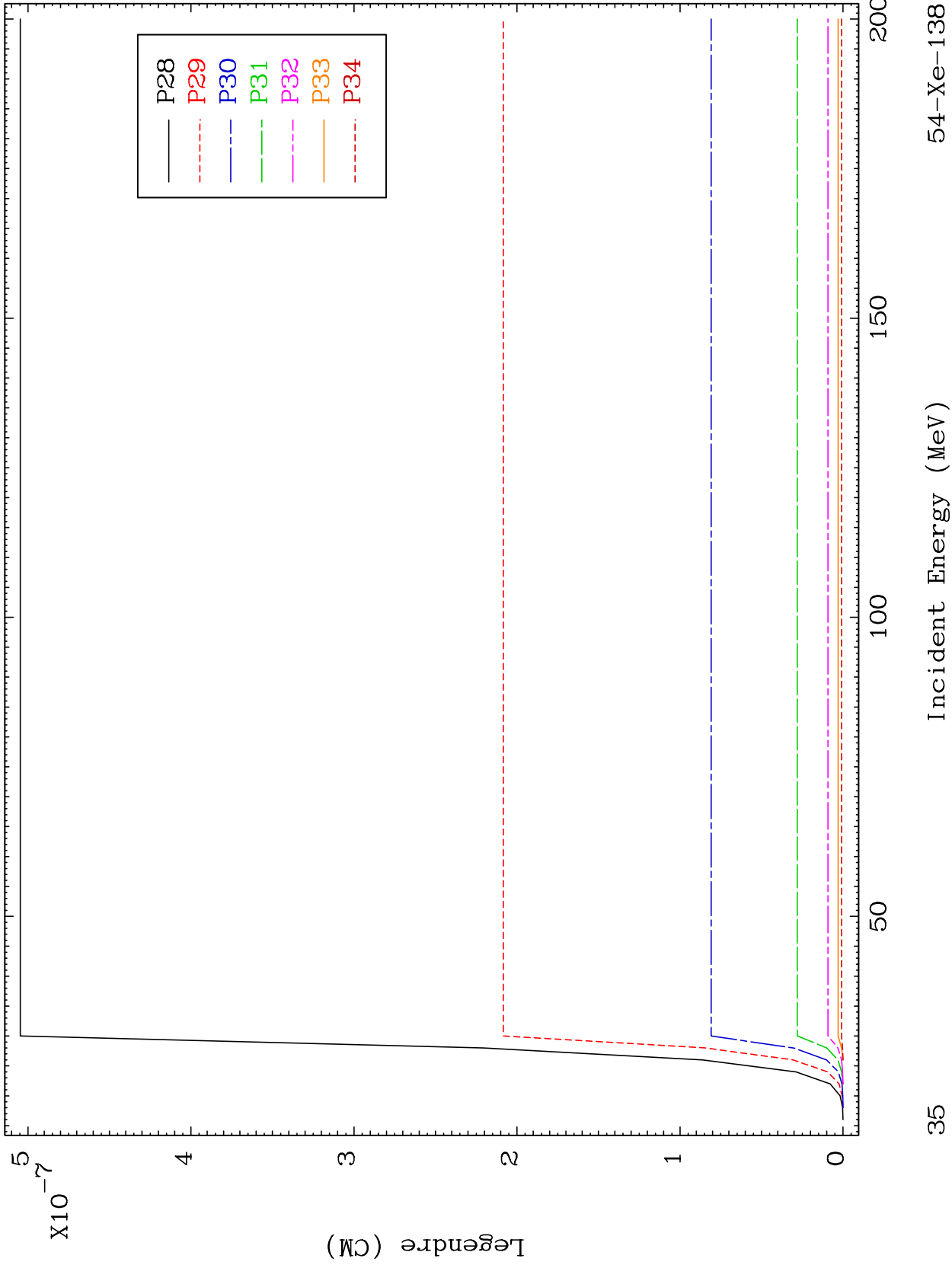
54-Xe-138



MAT 5467

1.555 MeV (n,n') Level
Legendre Coefficients

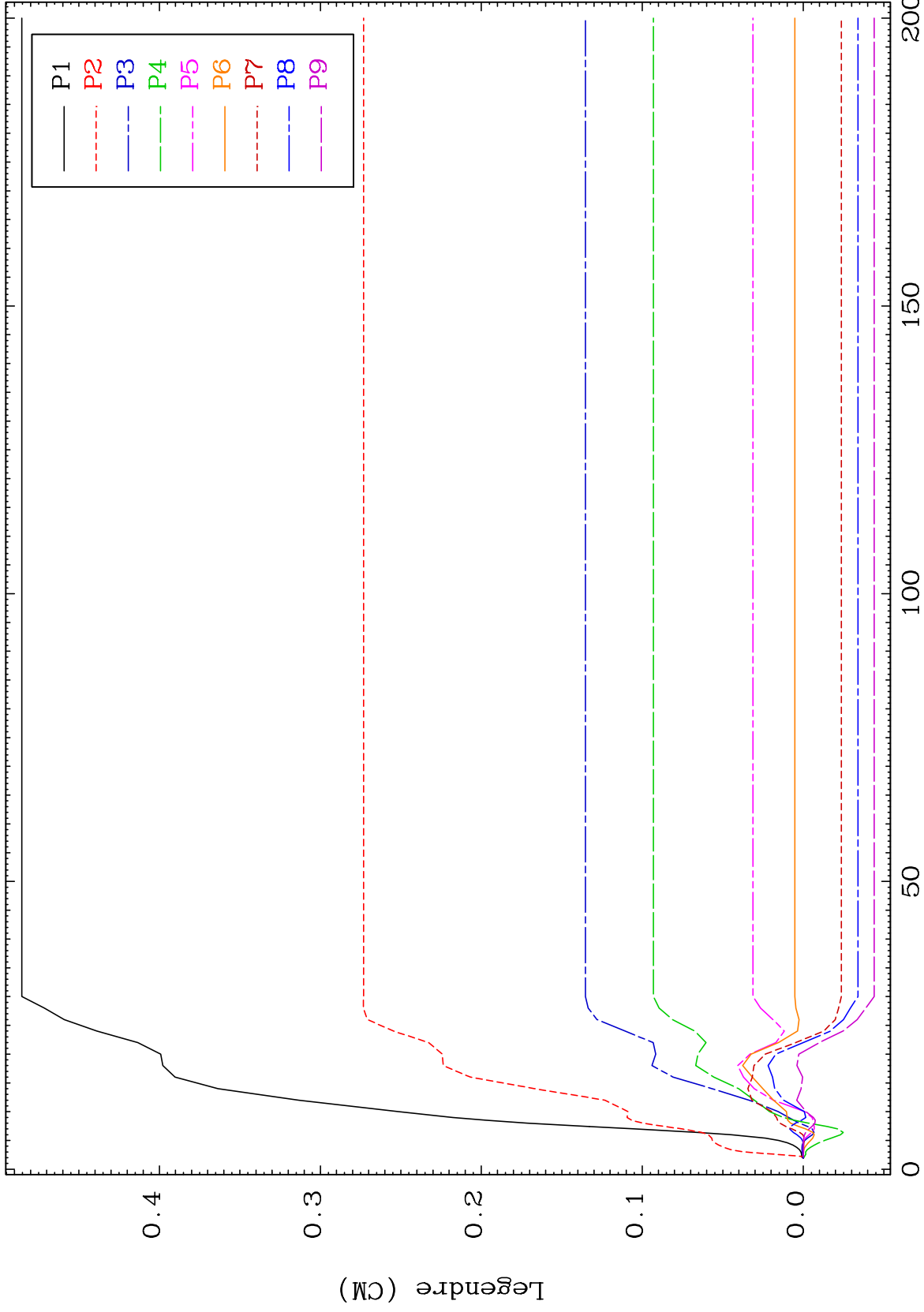
54-Xe-138



MAT 5467

1.866 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



36

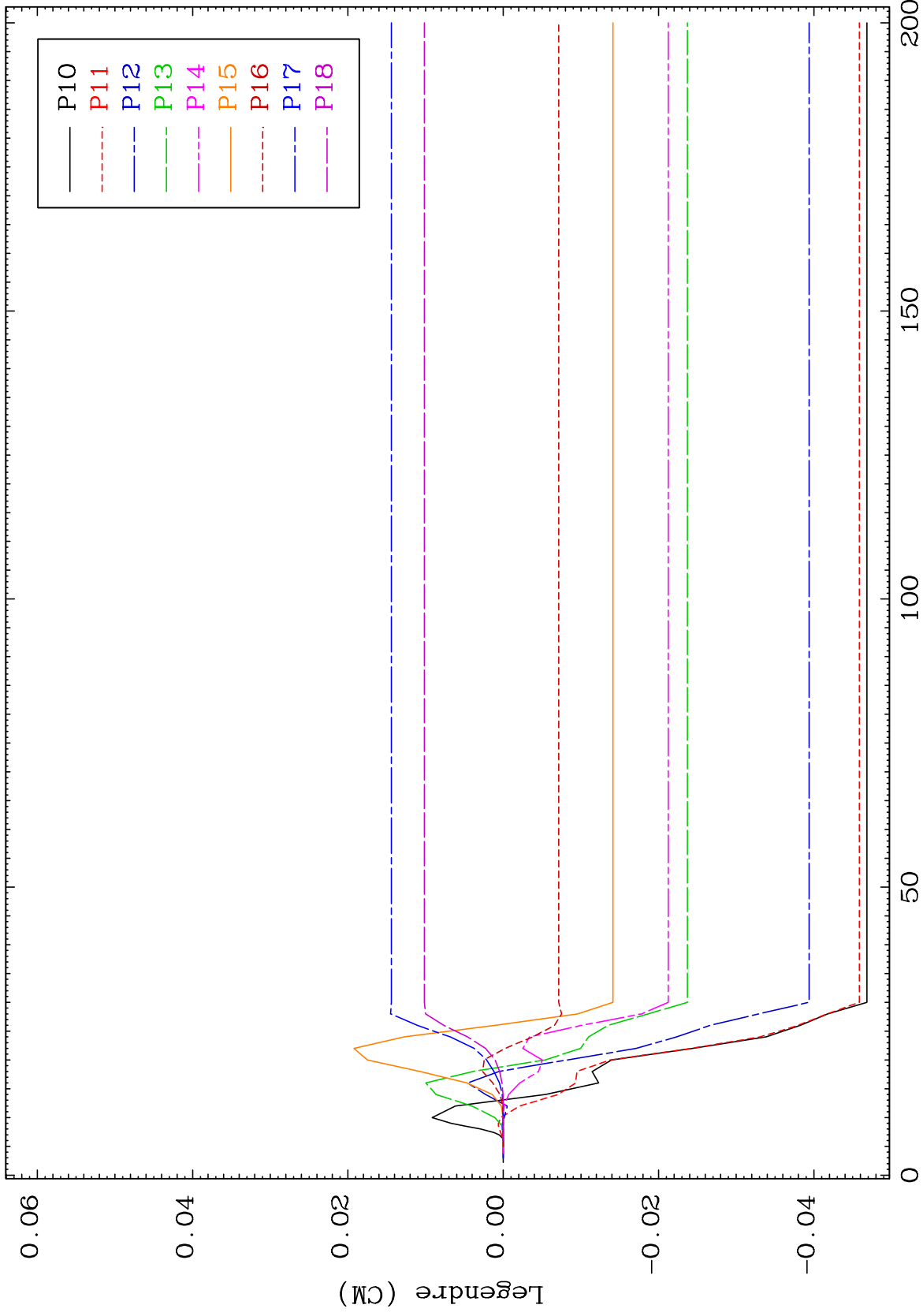
Incident Energy (MeV)

54-Xe-138

MAT 5467

1.866 MeV (n,n') Level
Legendre Coefficients

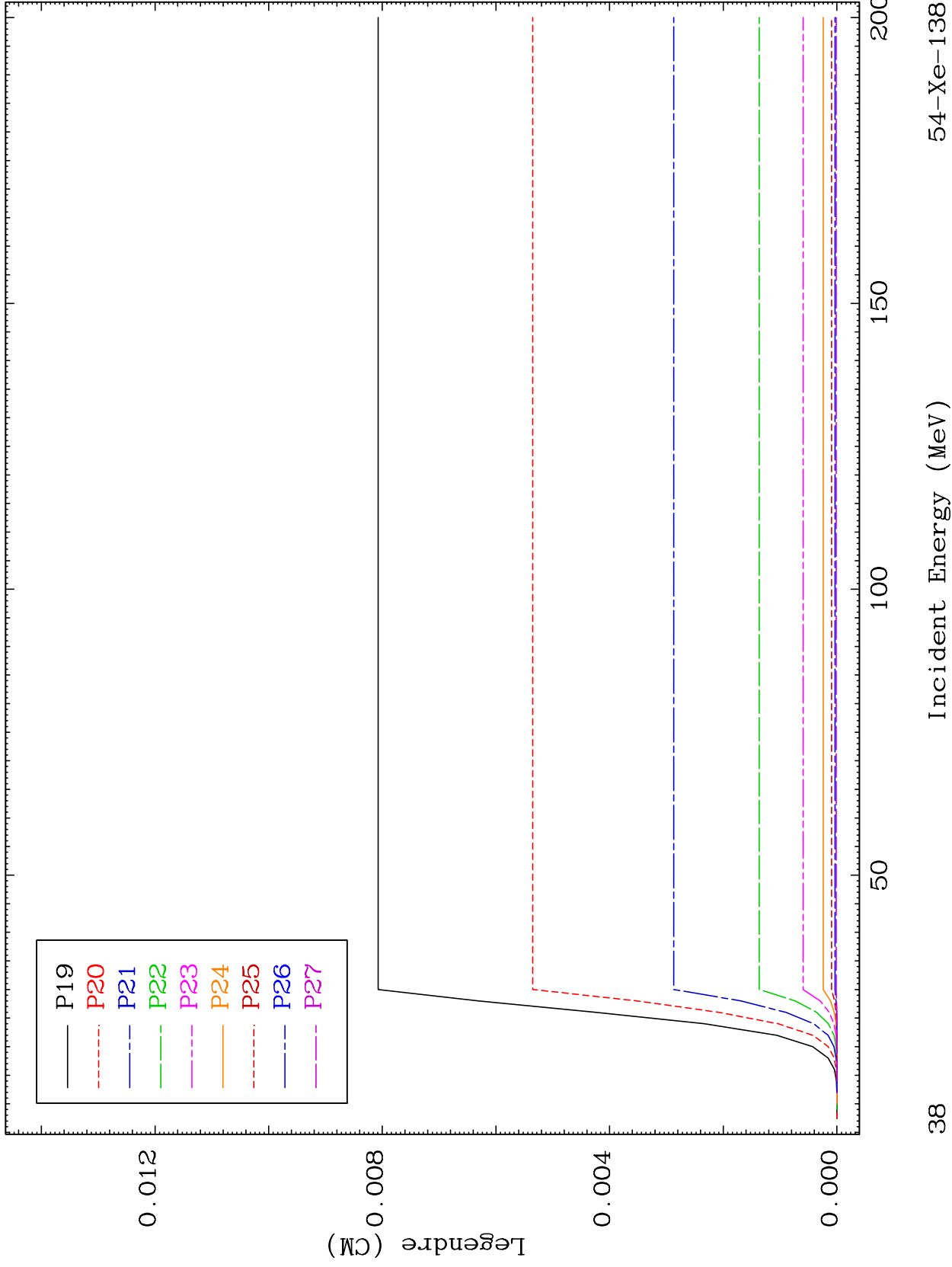
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37

Incident Energy (MeV)

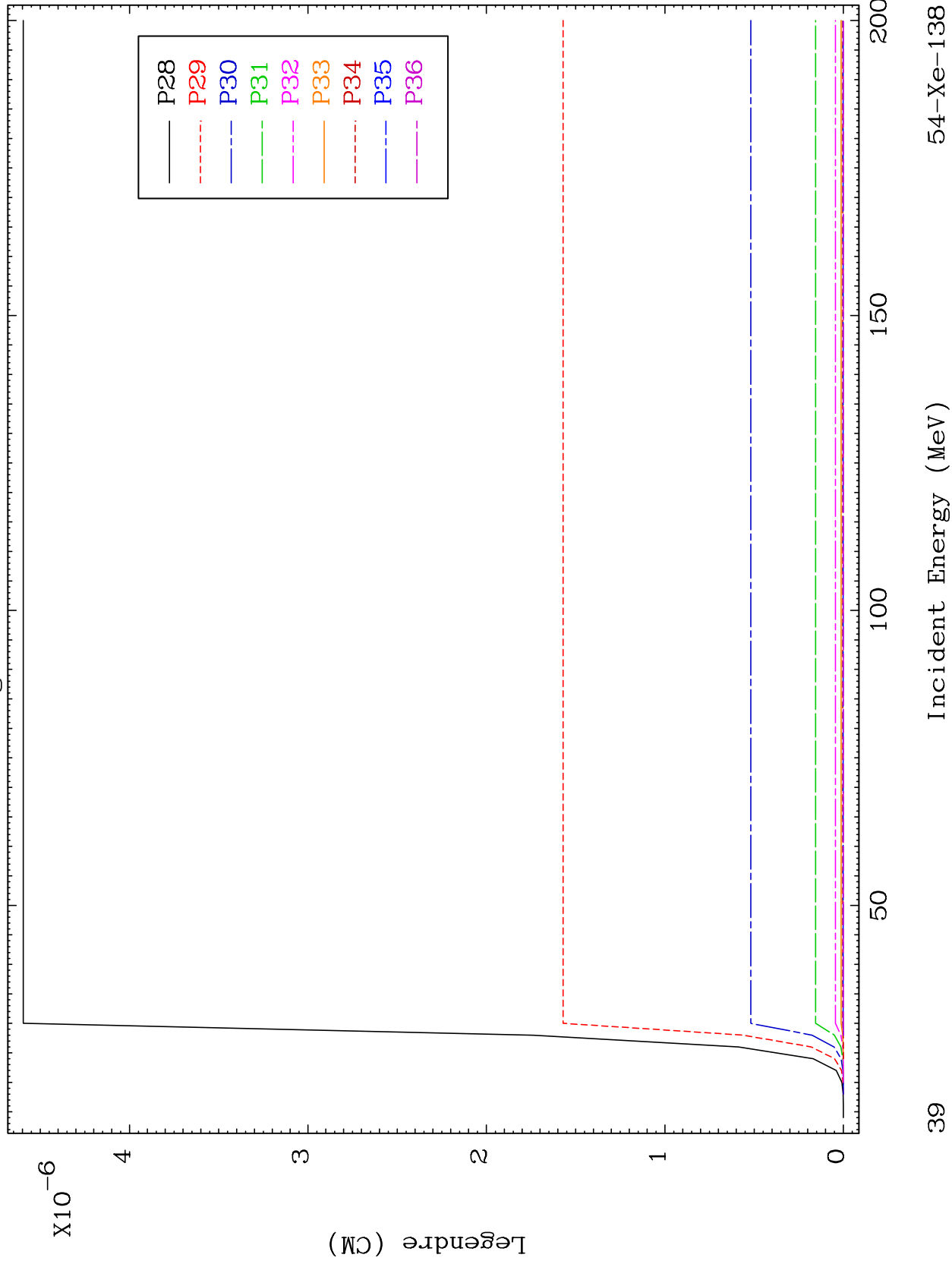
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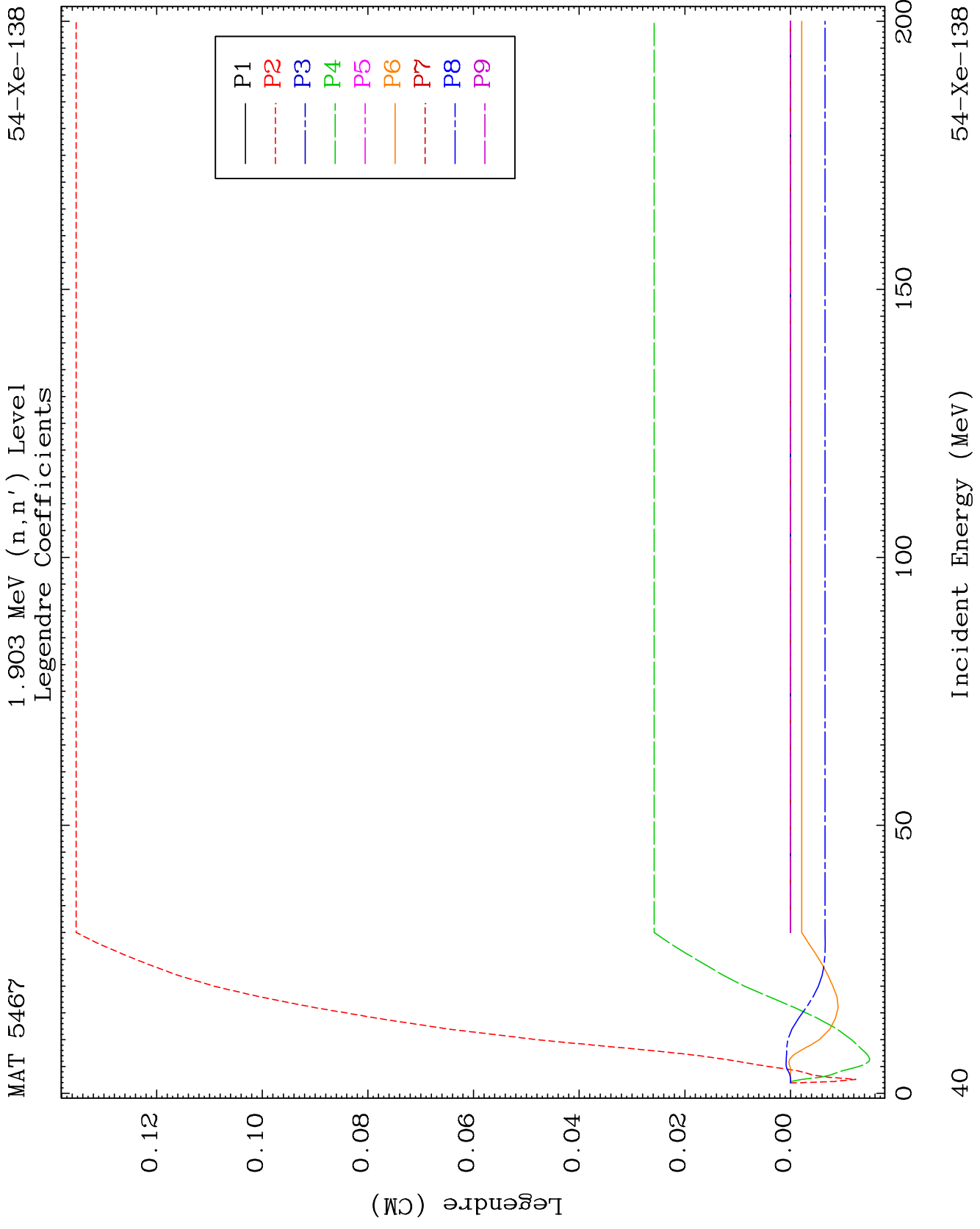


MAT 5467

1.866 MeV (n,n') Level
Legendre Coefficients

54-Xe-138

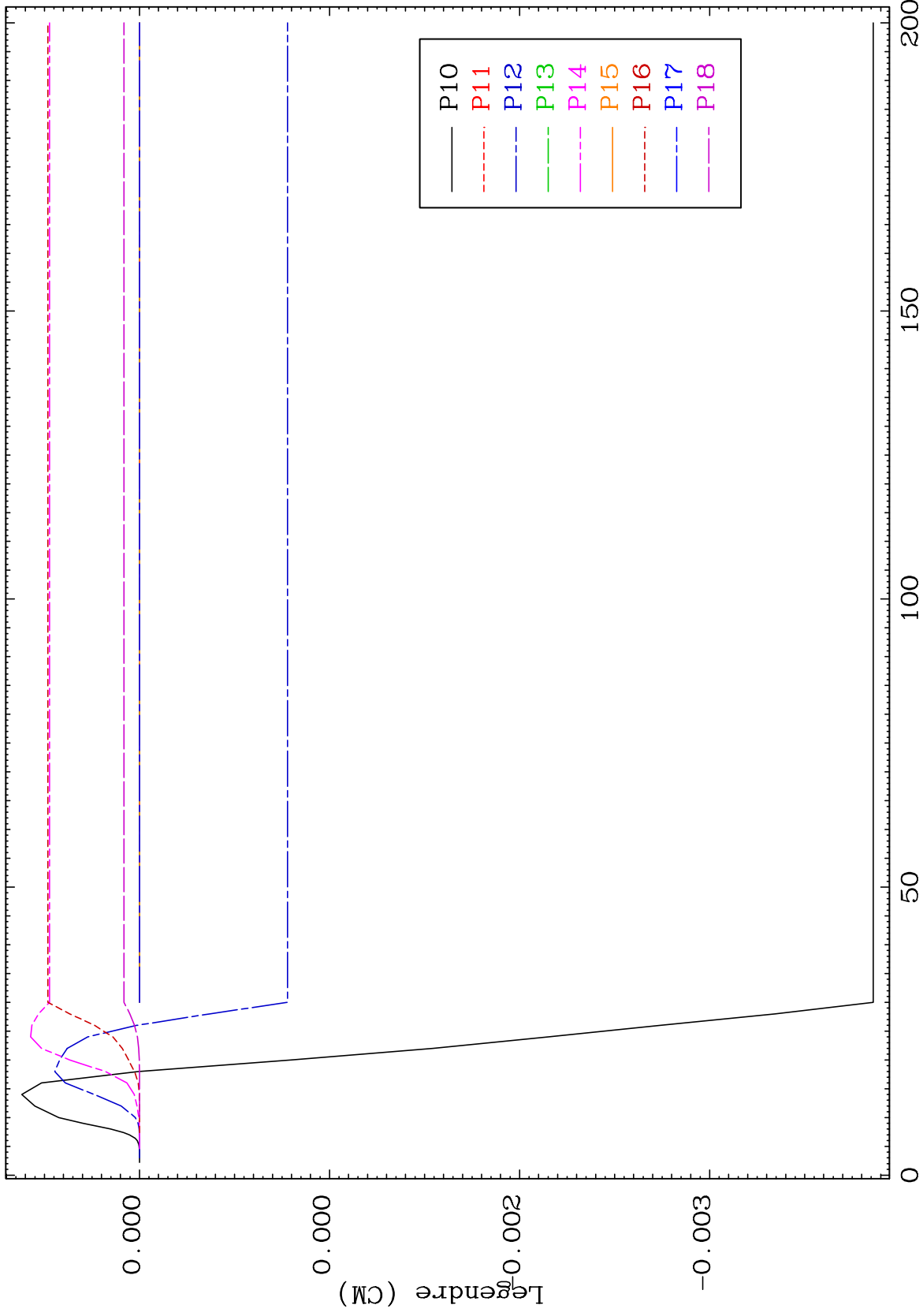




MAT 5467

1.903 MeV (n,n') Level
Legendre Coefficients

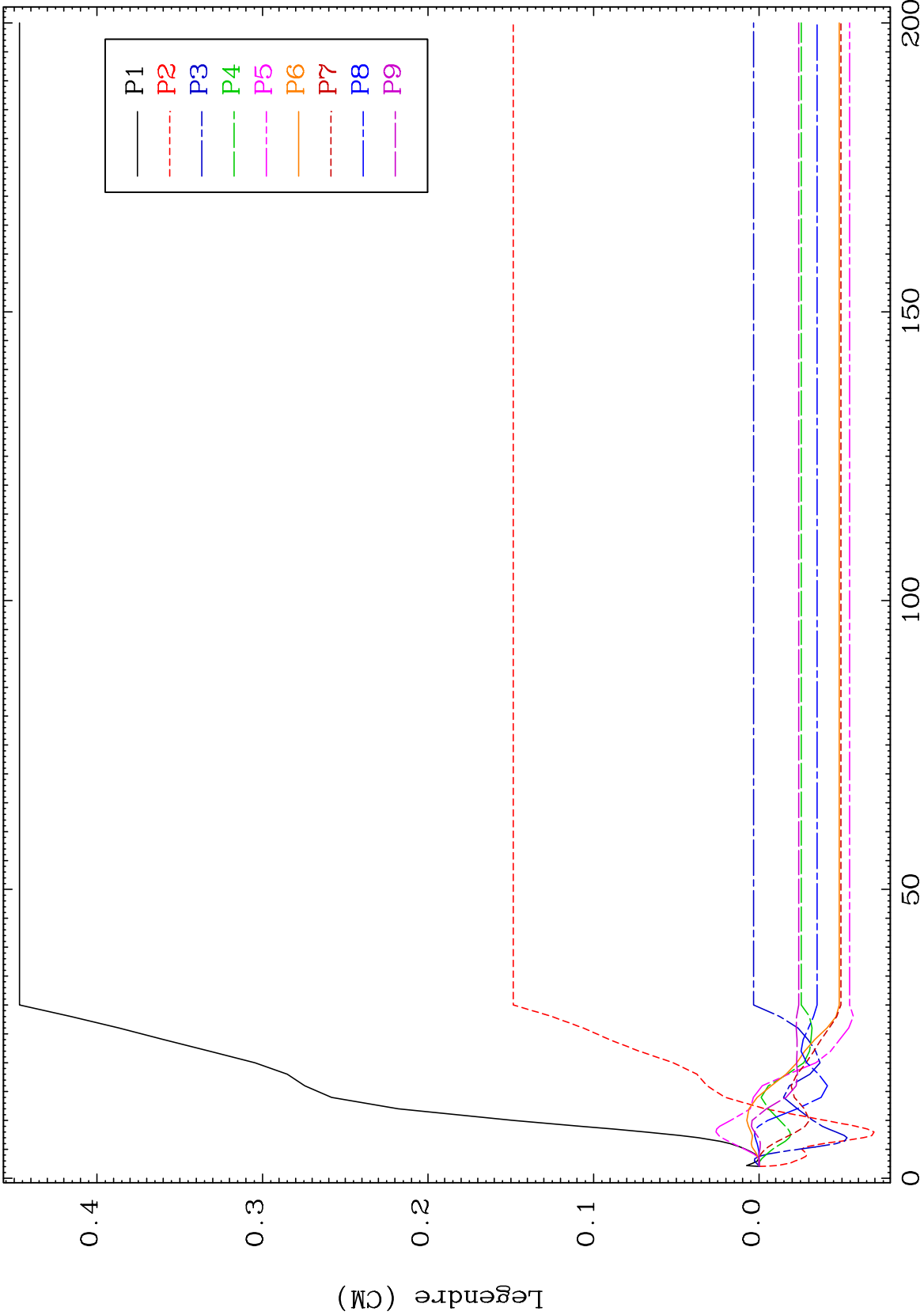
54-Xe-138



MAT 5467

2.015 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



43

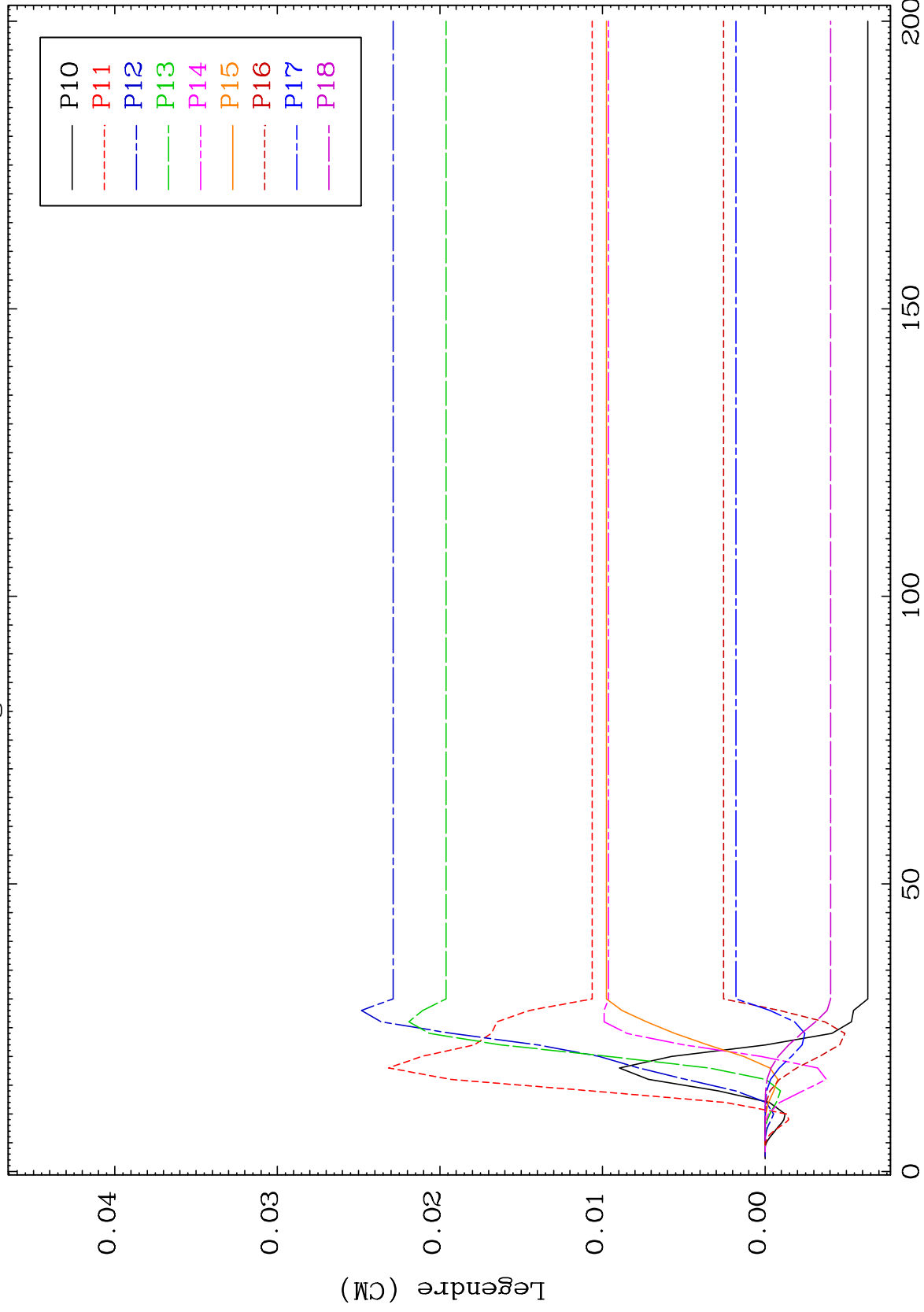
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.015 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



44

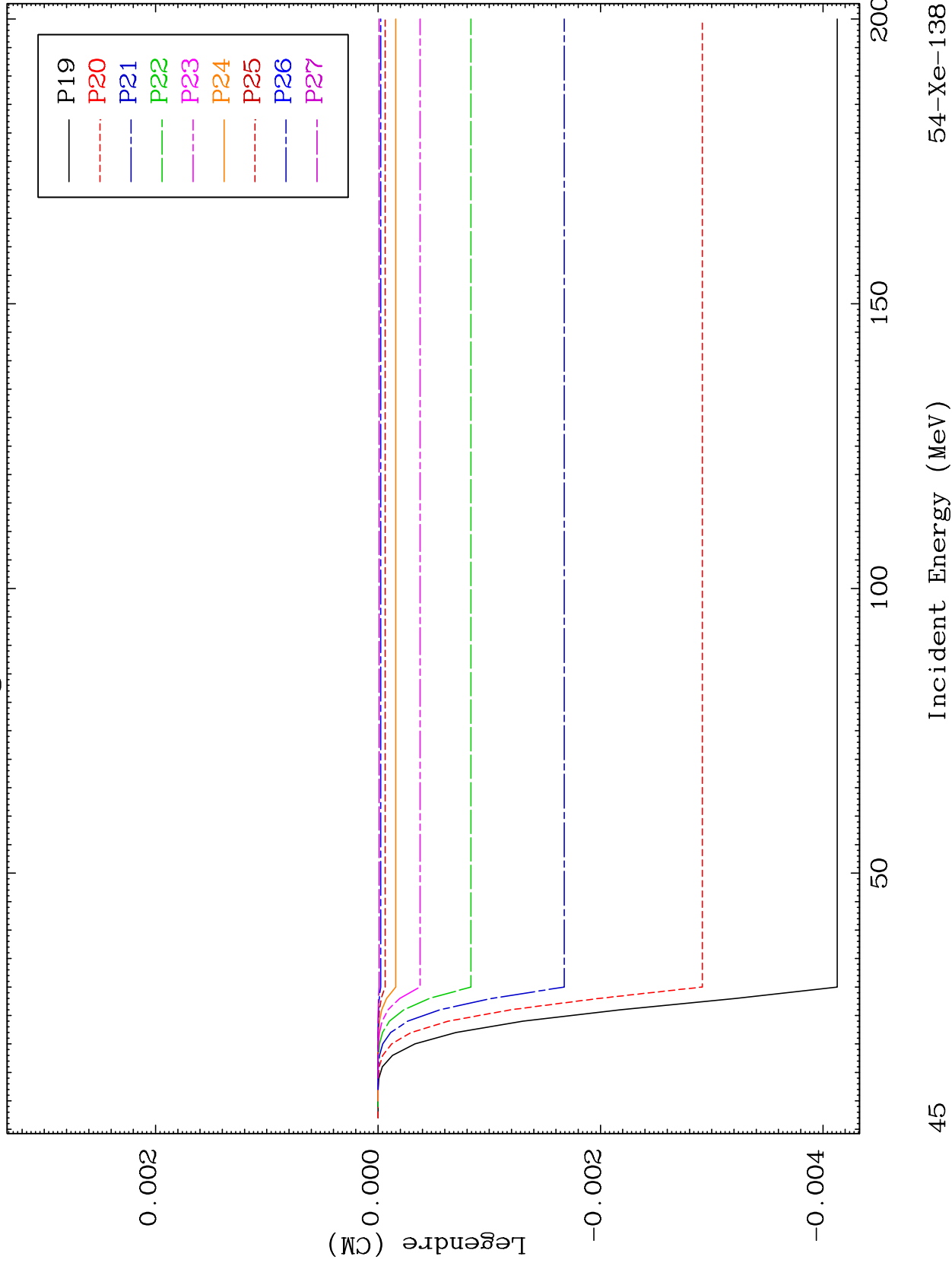
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.015 MeV (n,n') Level
Legendre Coefficients

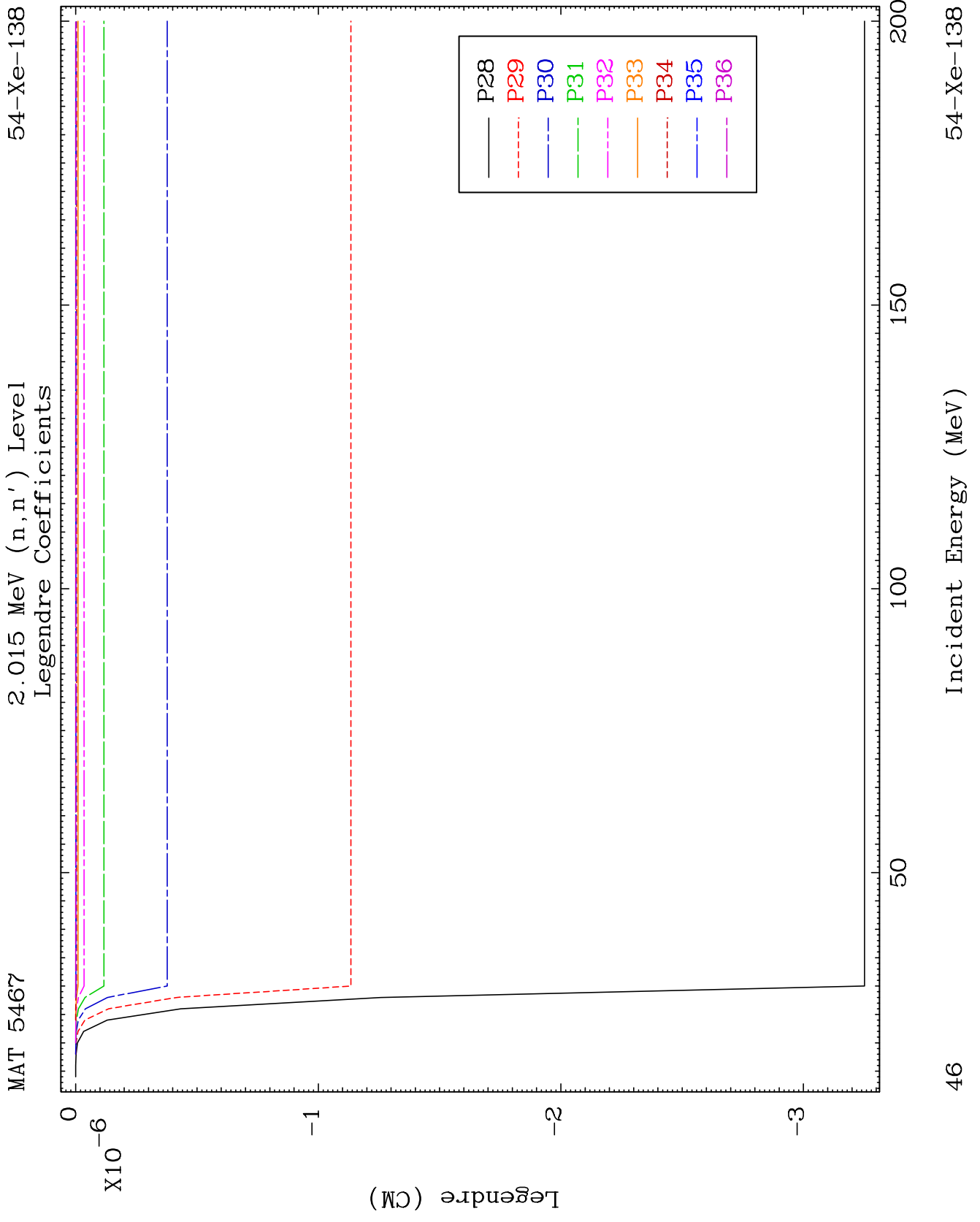
54-Xe-138



54-Xe-138

Incident Energy (MeV)

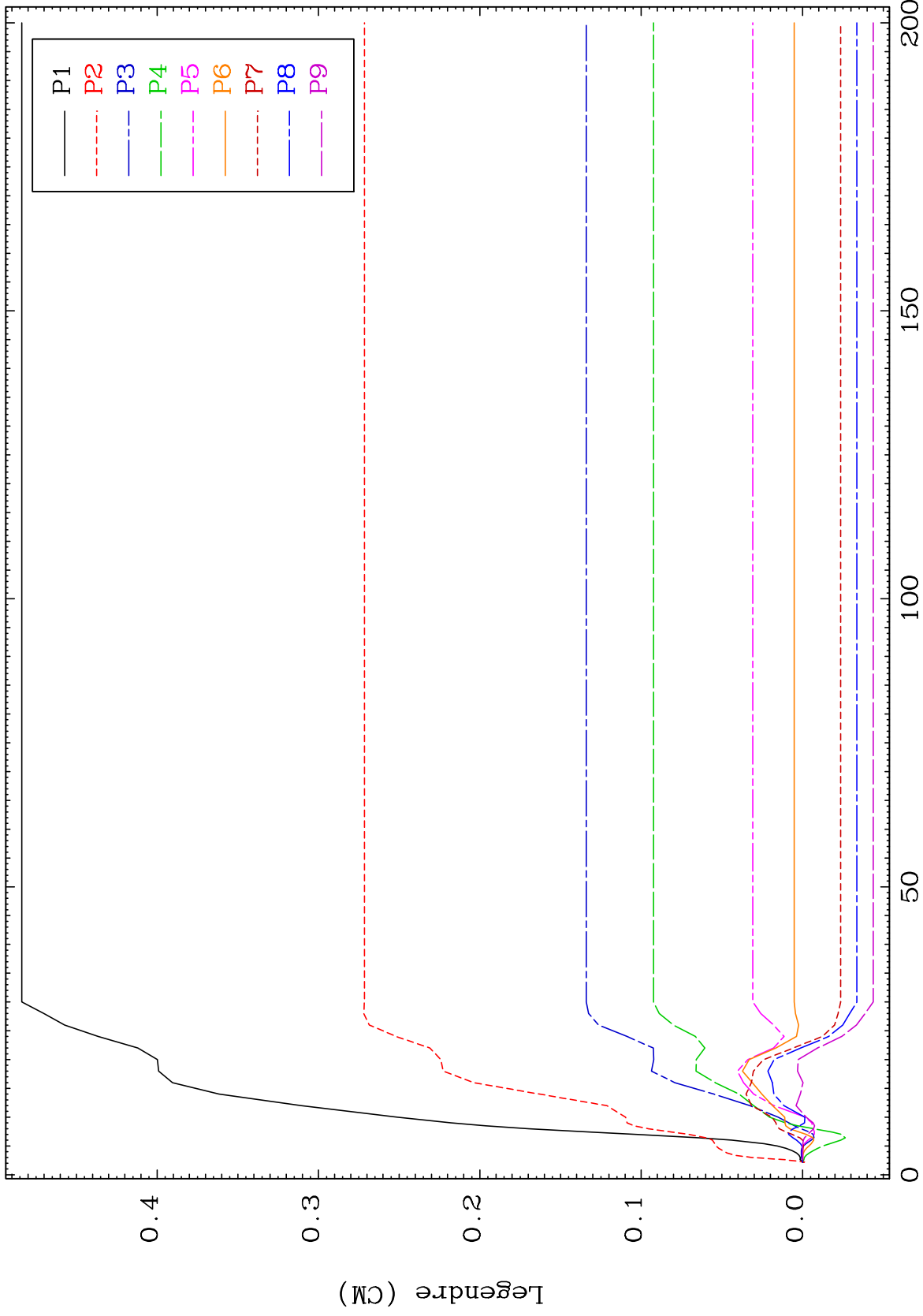
45



MAT 5467

2.115 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



47

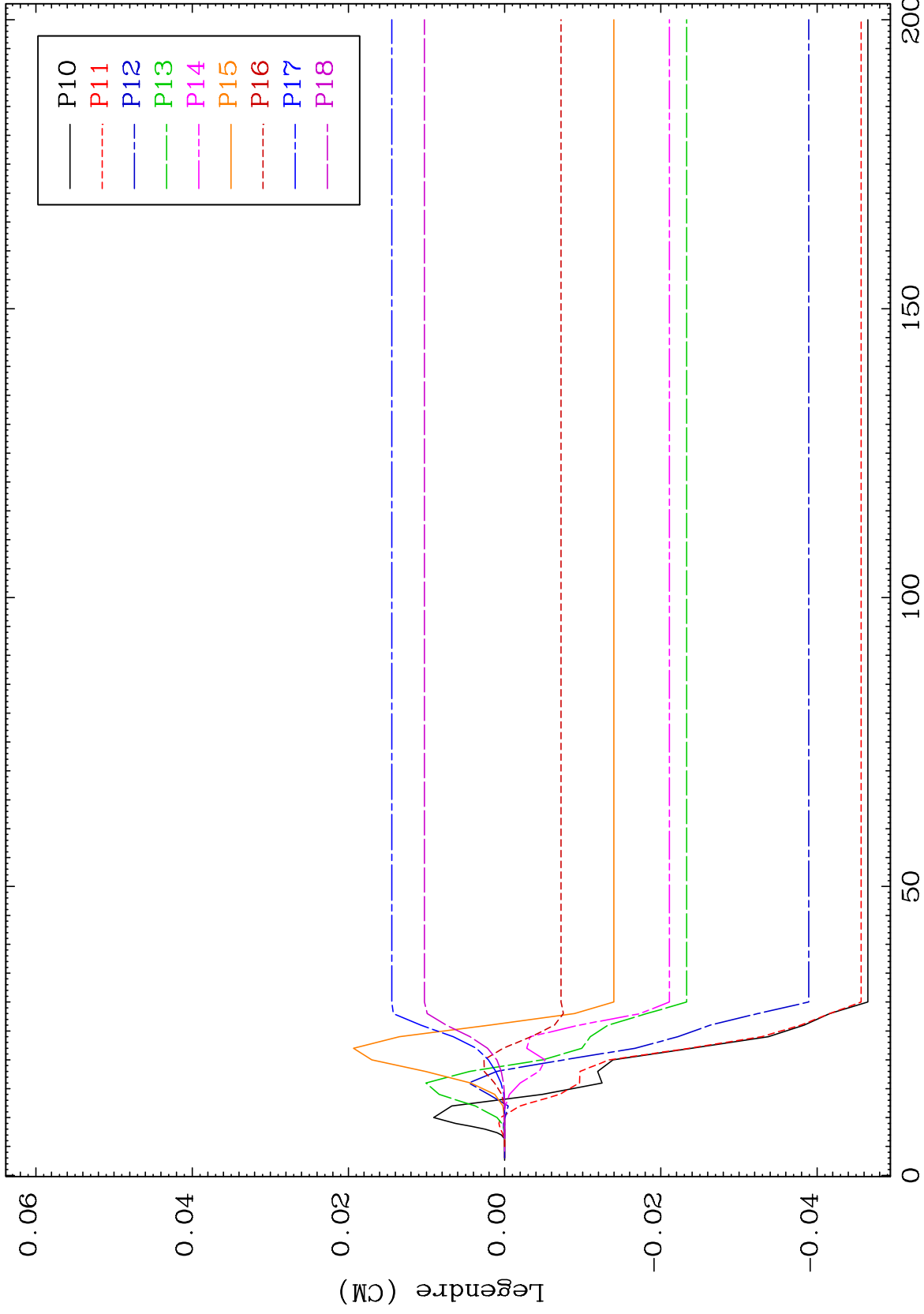
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.115 MeV (n,n') Level
Legendre Coefficients

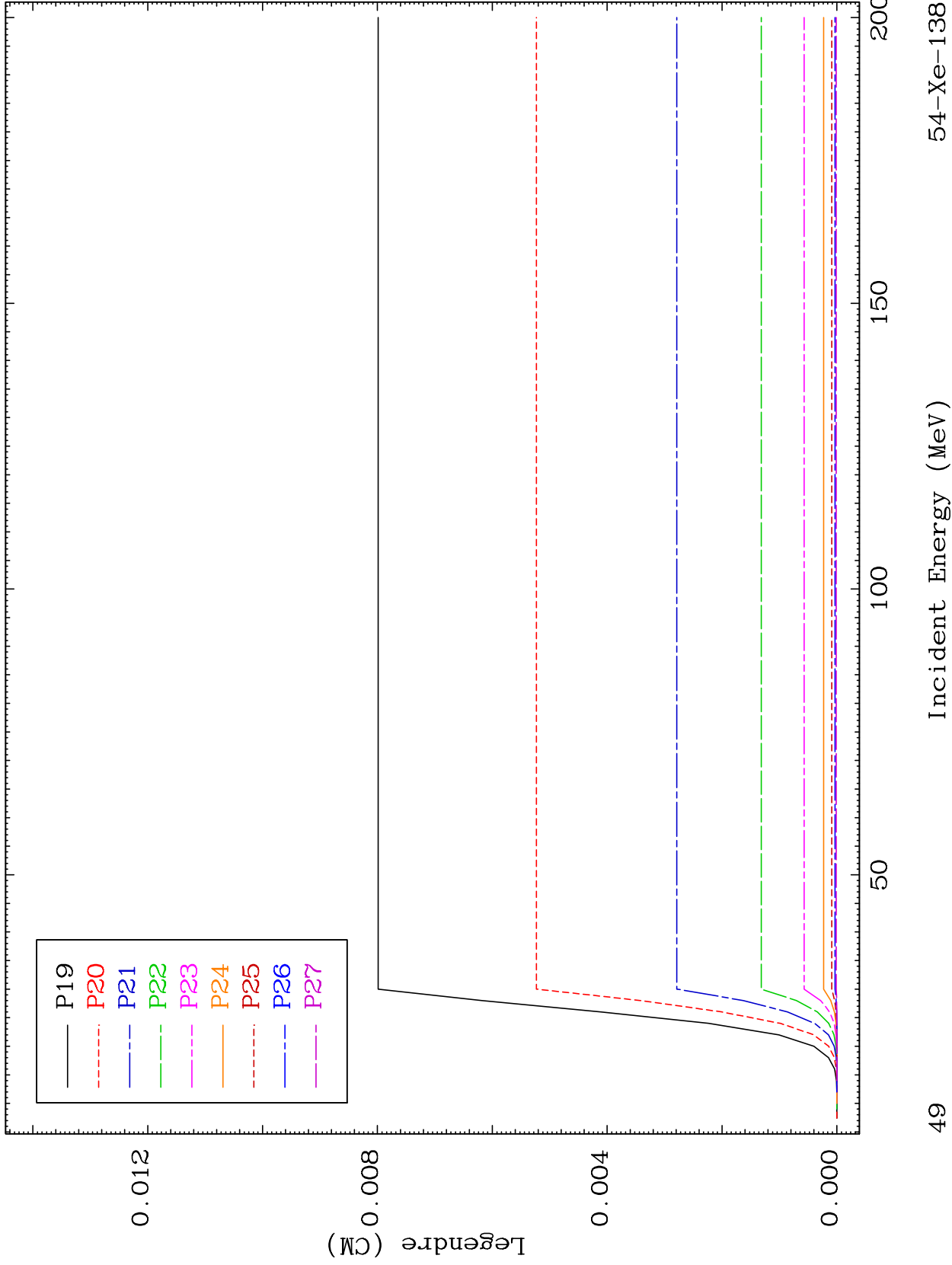
54-Xe-138



48

Incident Energy (MeV)

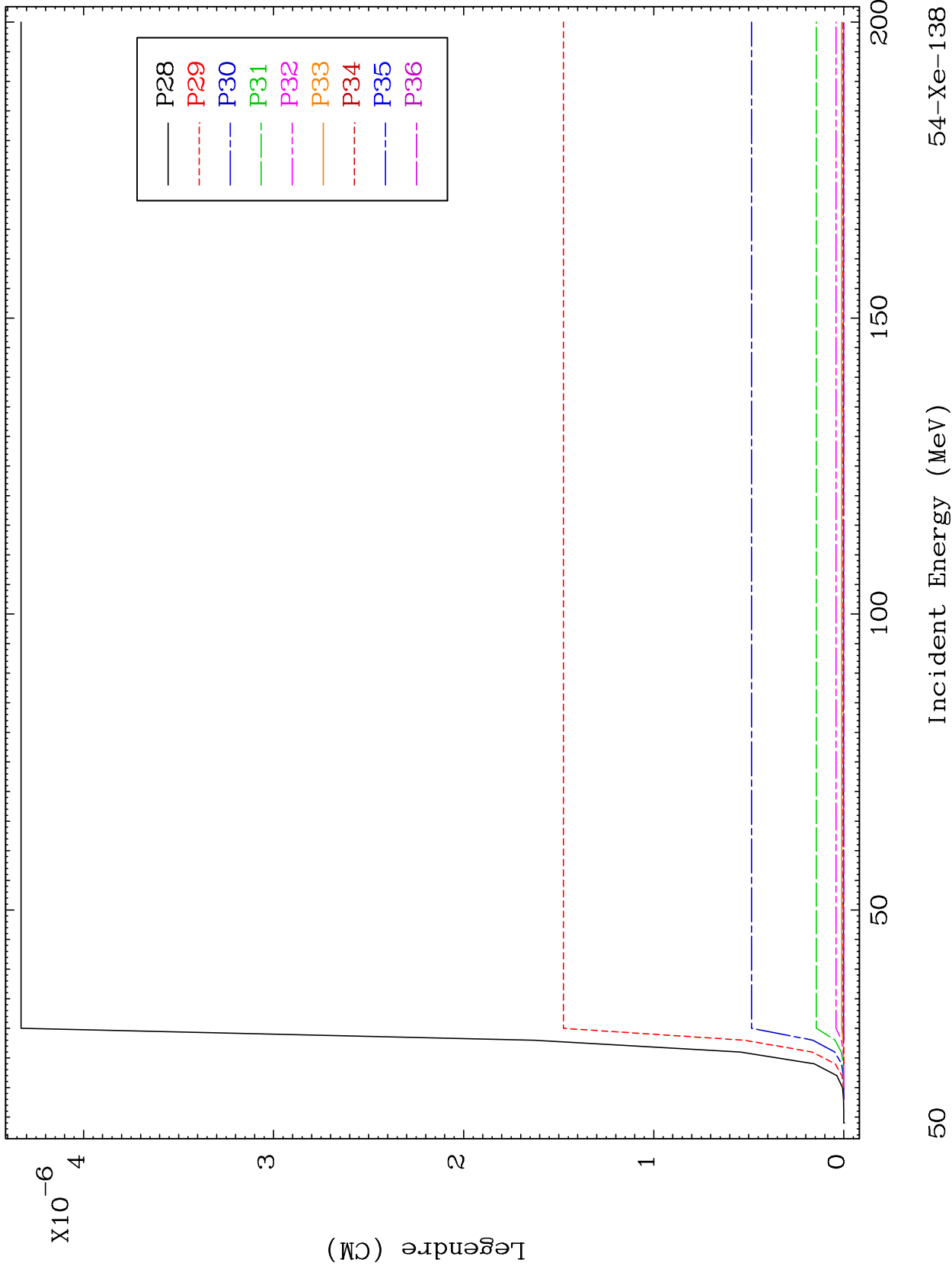
54-Xe-138



MAT 5467

2.115 MeV (n, n') Level
Legendre Coefficients

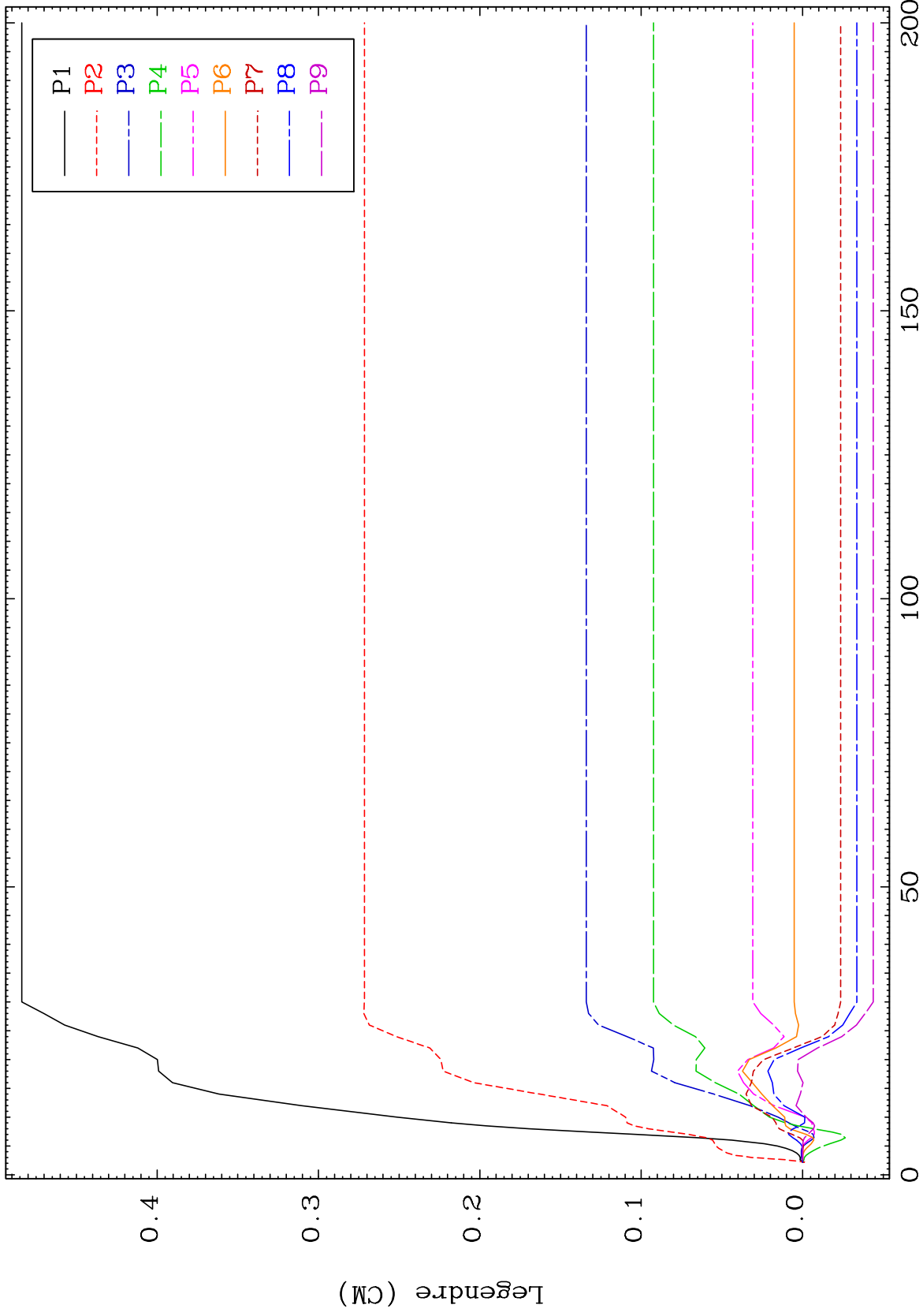
54-Xe-138



MAT 5467

2.116 MeV (n, n') Level
Legendre Coefficients

54-Xe-138



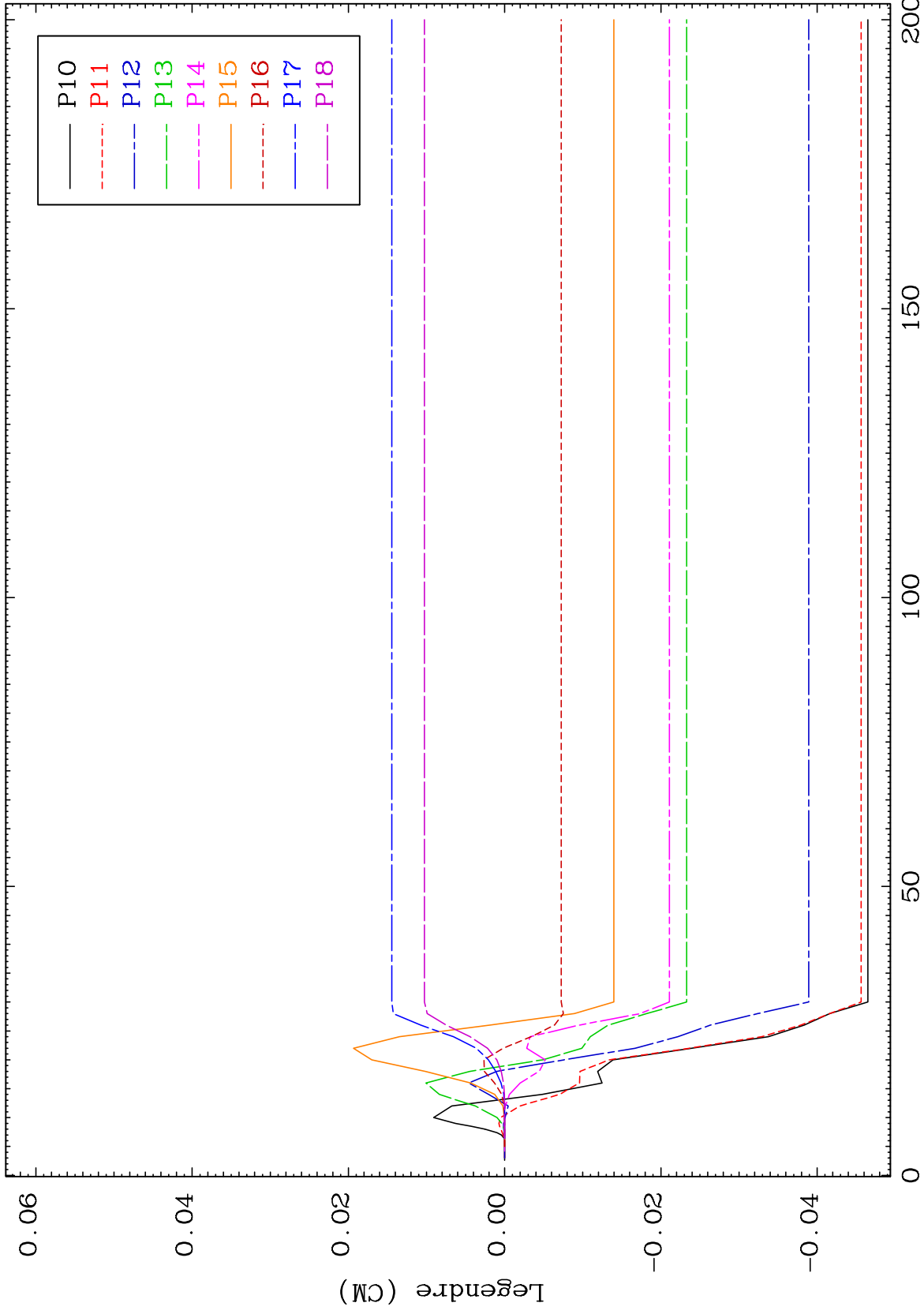
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54-Xe-138

MAT 5467

2.116 MeV (n,n') Level
Legendre Coefficients

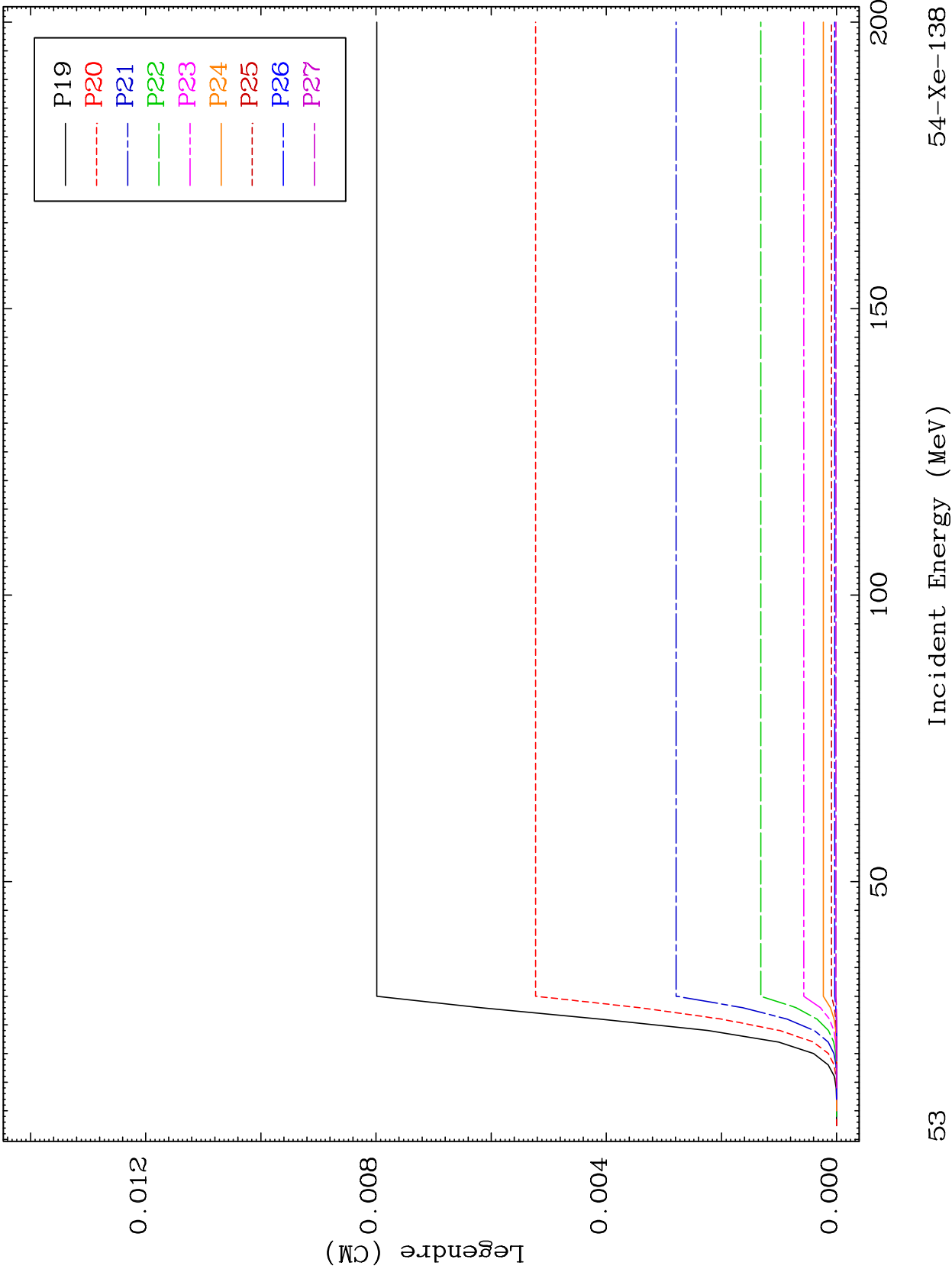
54-Xe-138



52

Incident Energy (MeV)

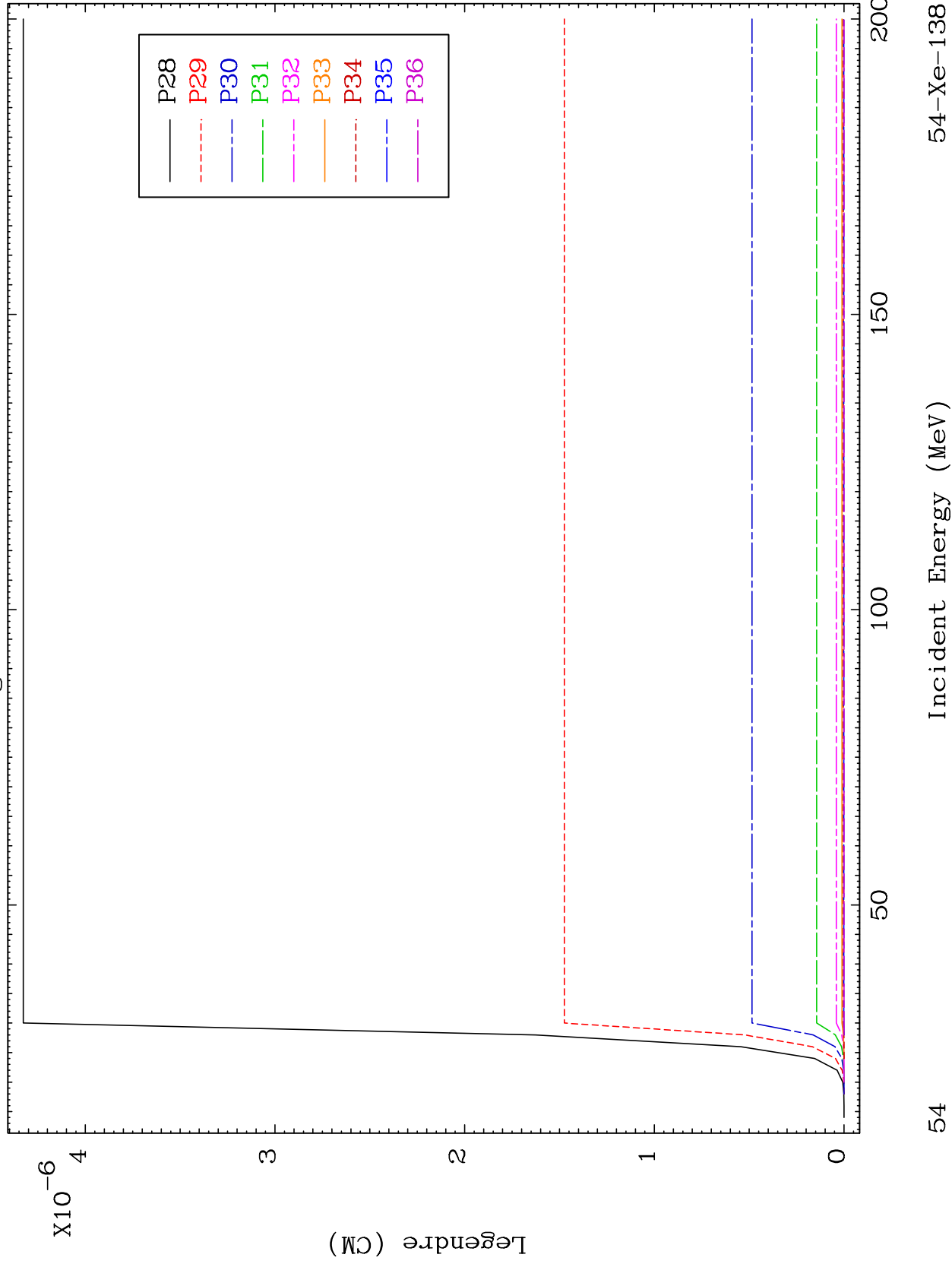
54-Xe-138



MAT 5467

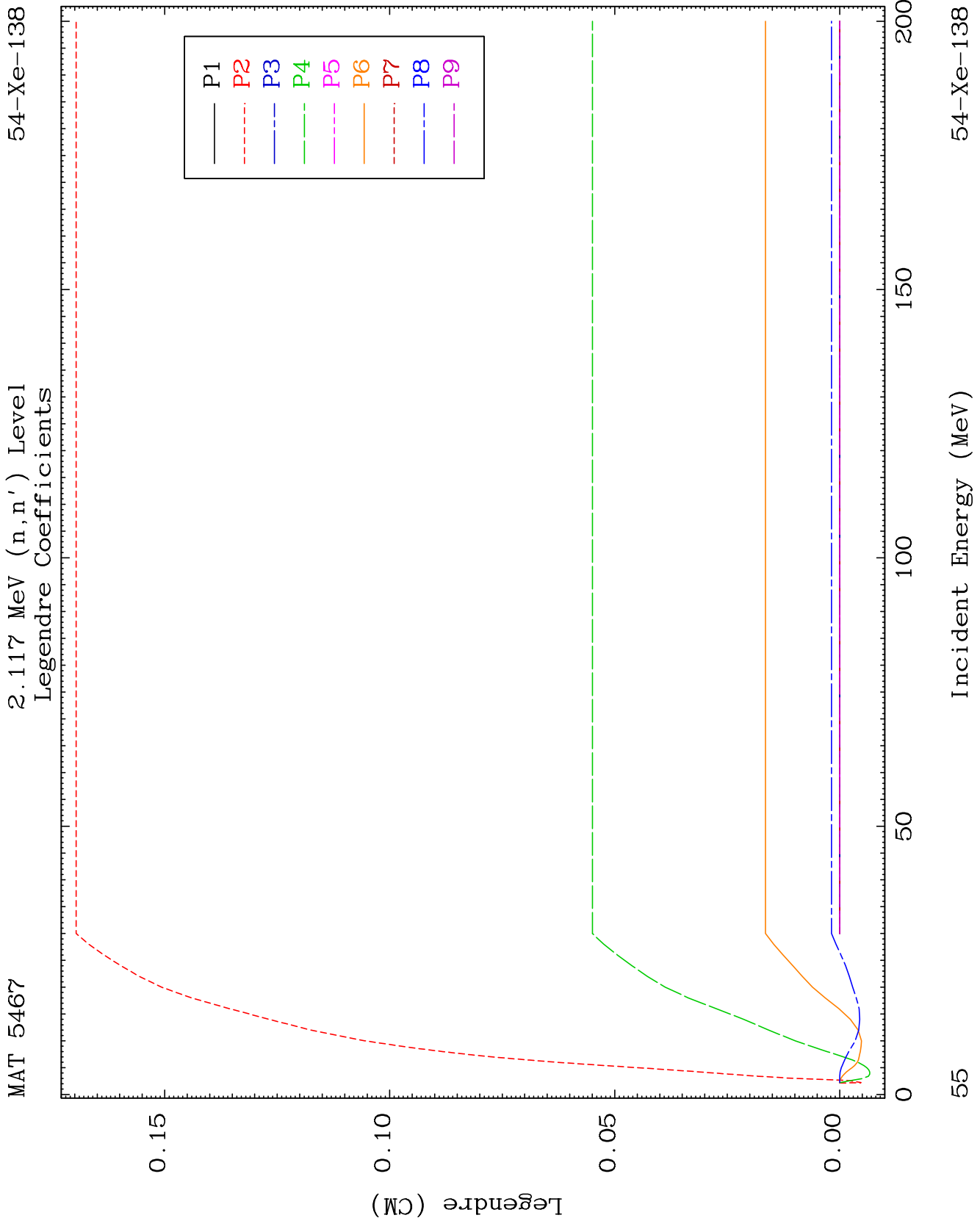
2.116 MeV (n, n') Level
Legendre Coefficients

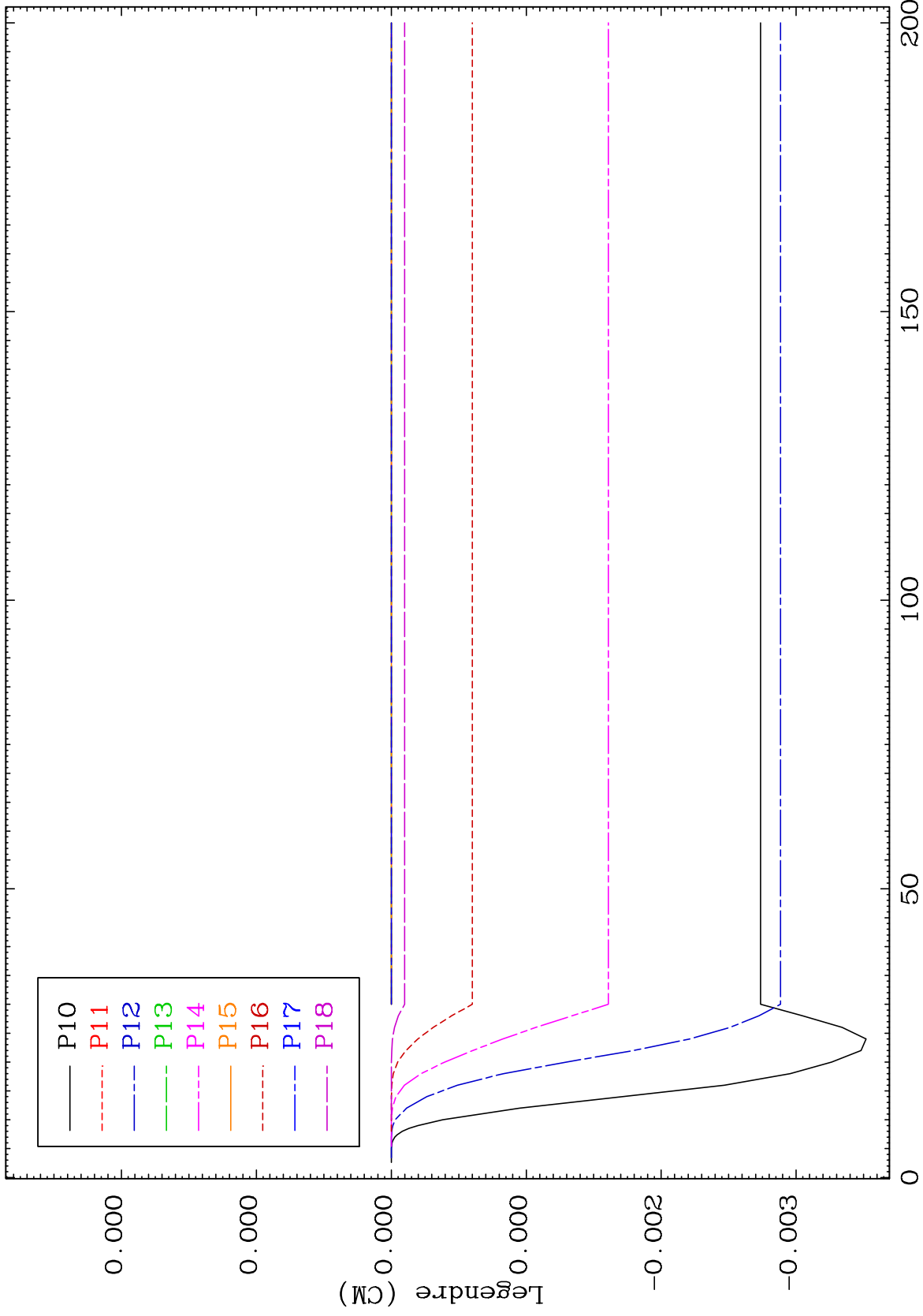
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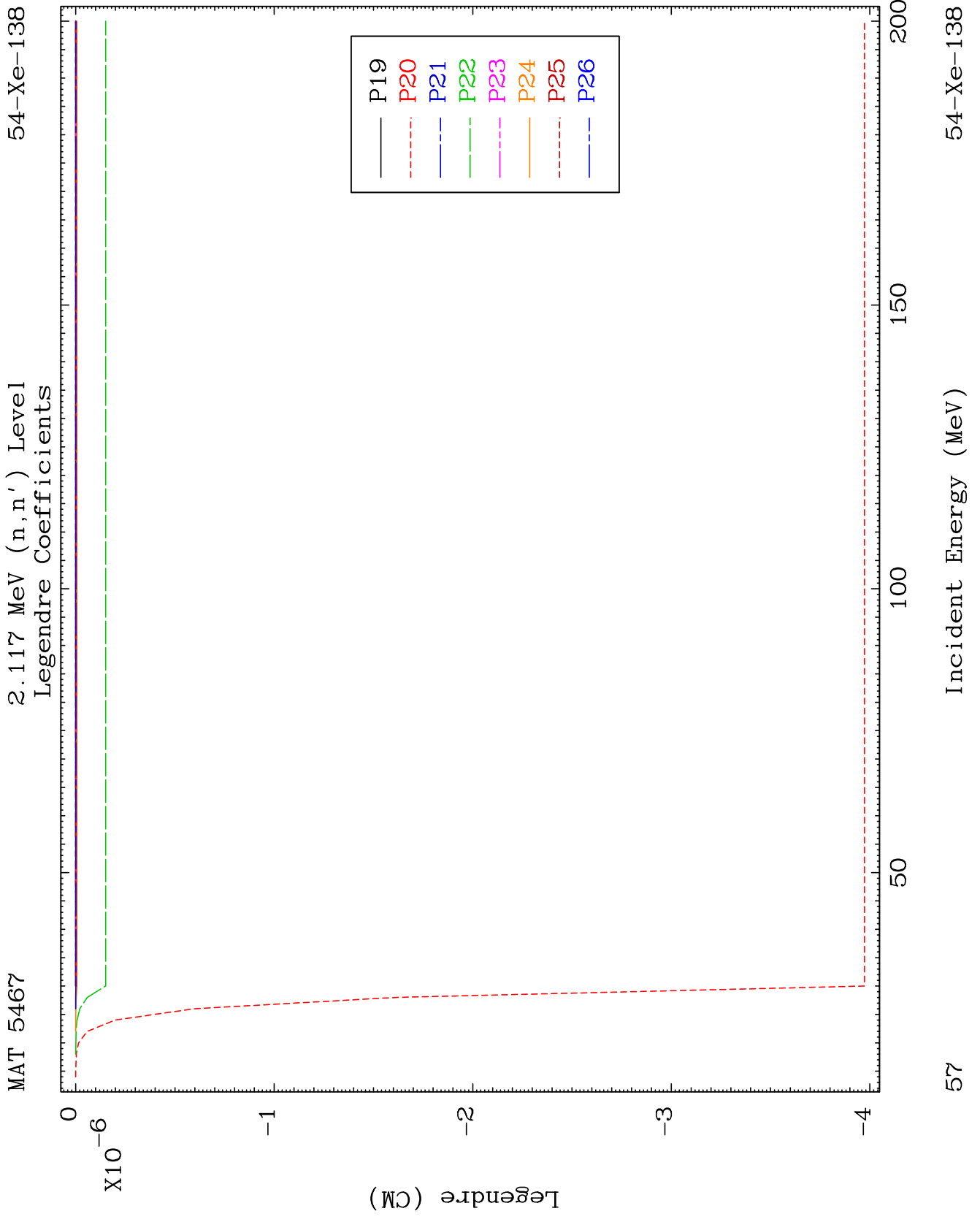


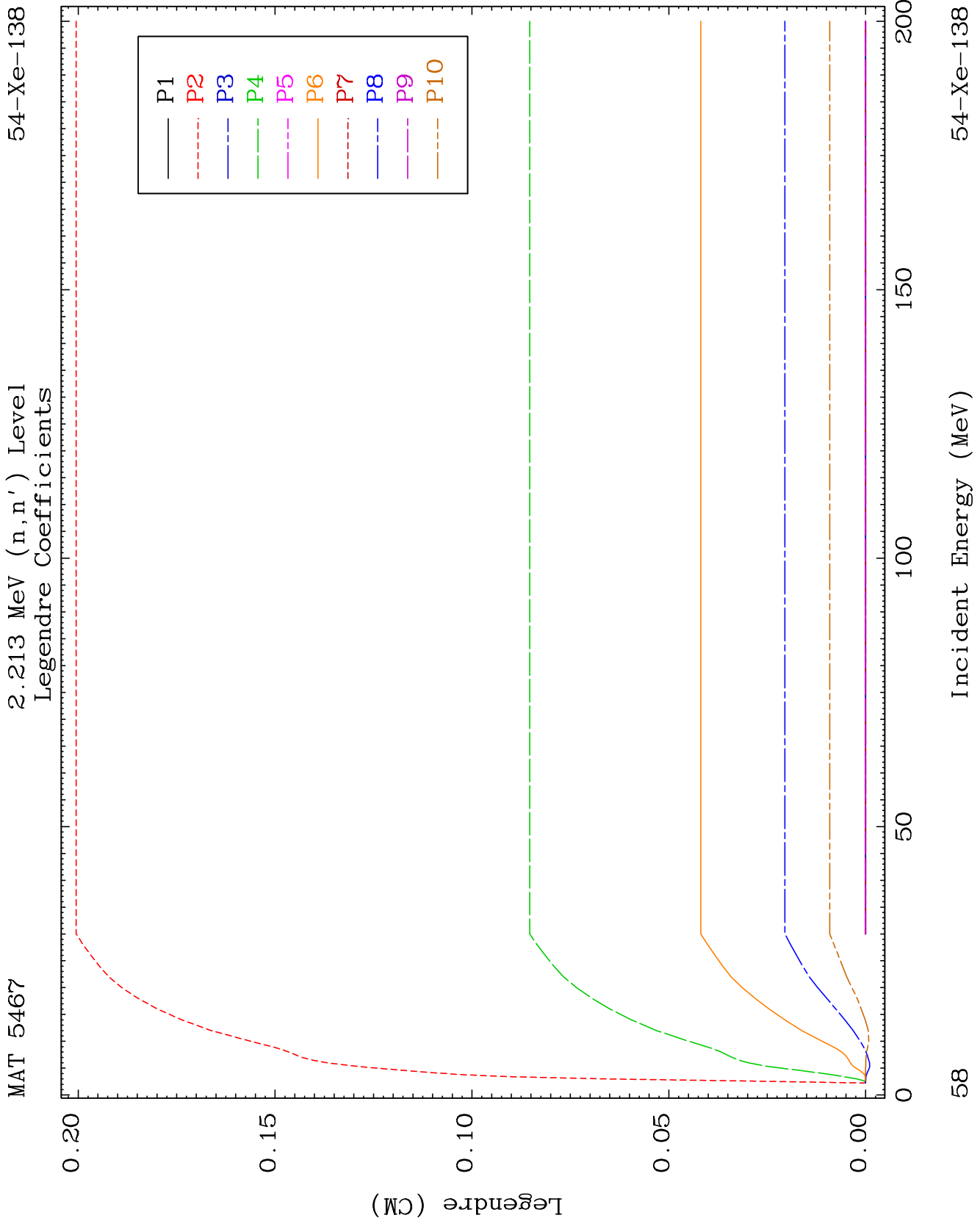
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54-Xe-138





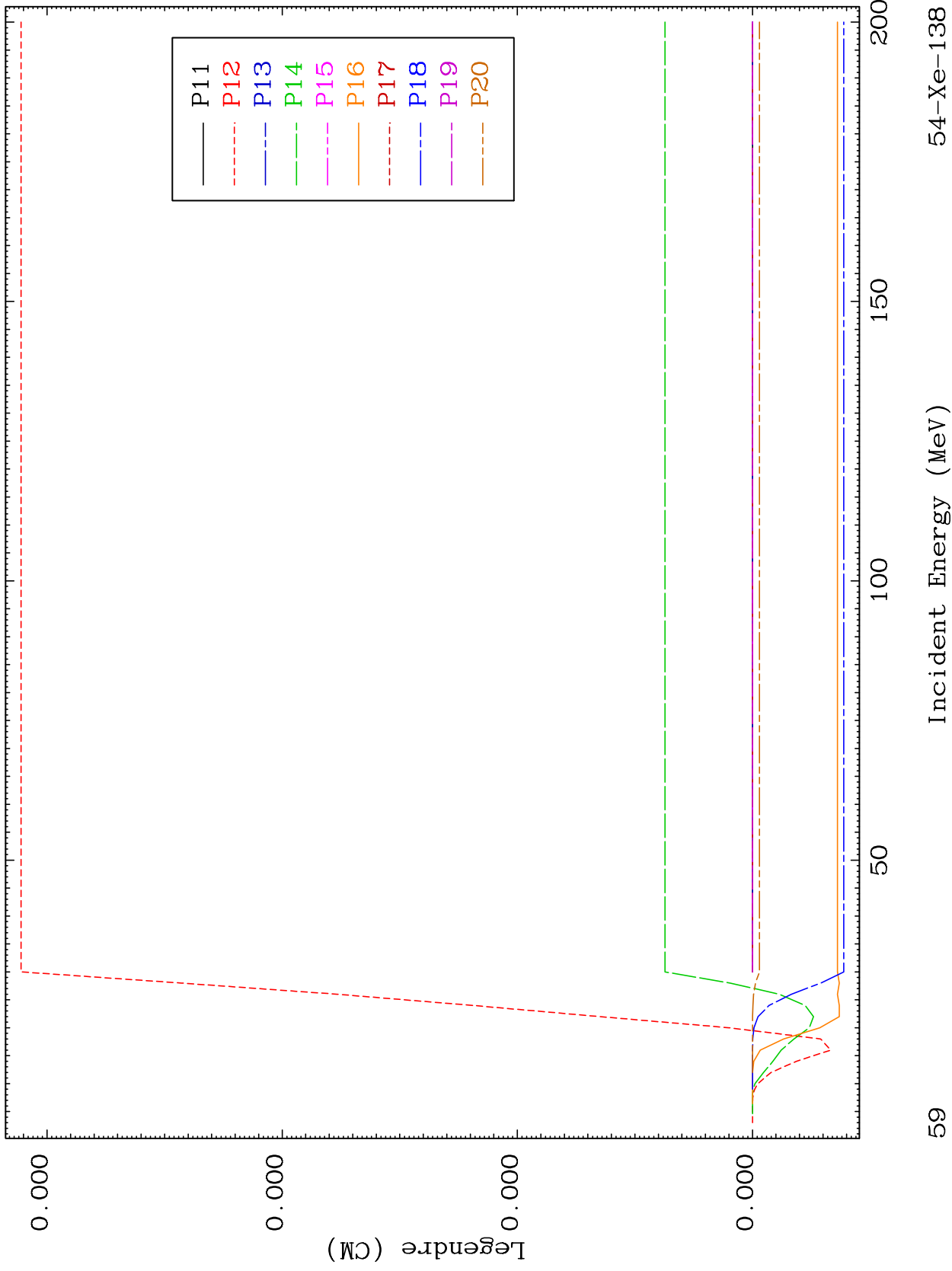




MAT 5467

2.213 MeV (n,n') Level
Legendre Coefficients

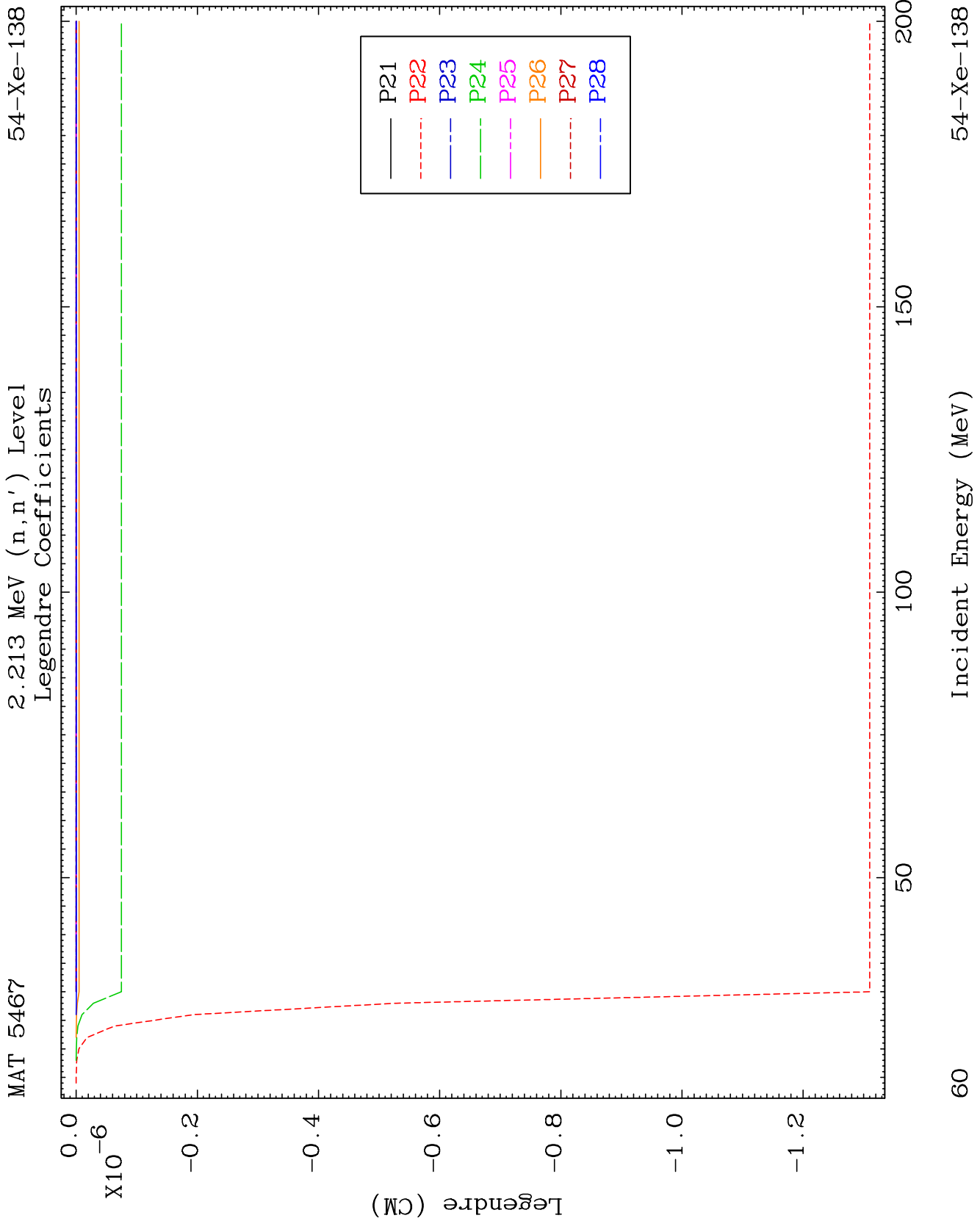
54-Xe-138



59

Incident Energy (MeV)

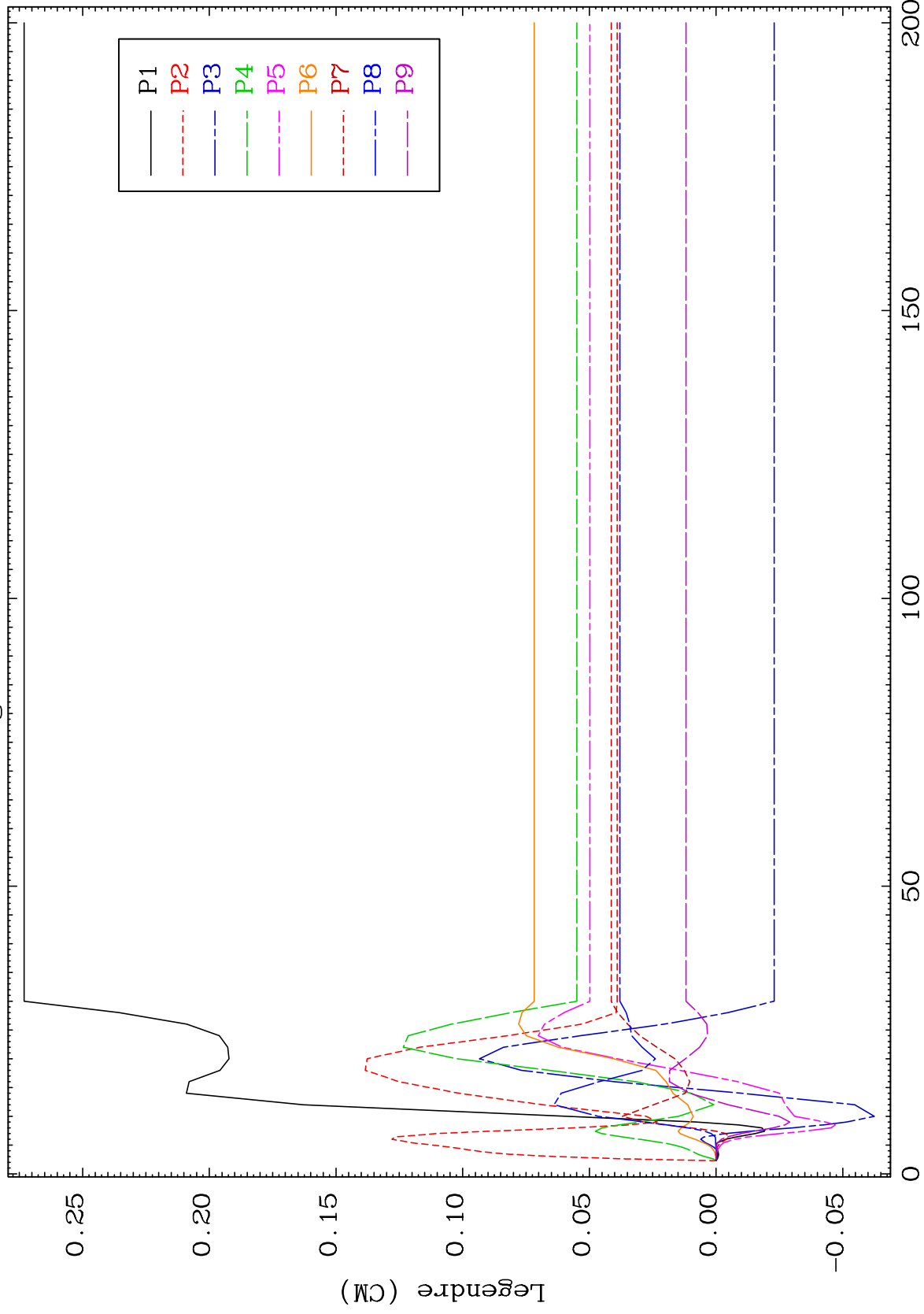
54-Xe-138



MAT 5467

2.262 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



61

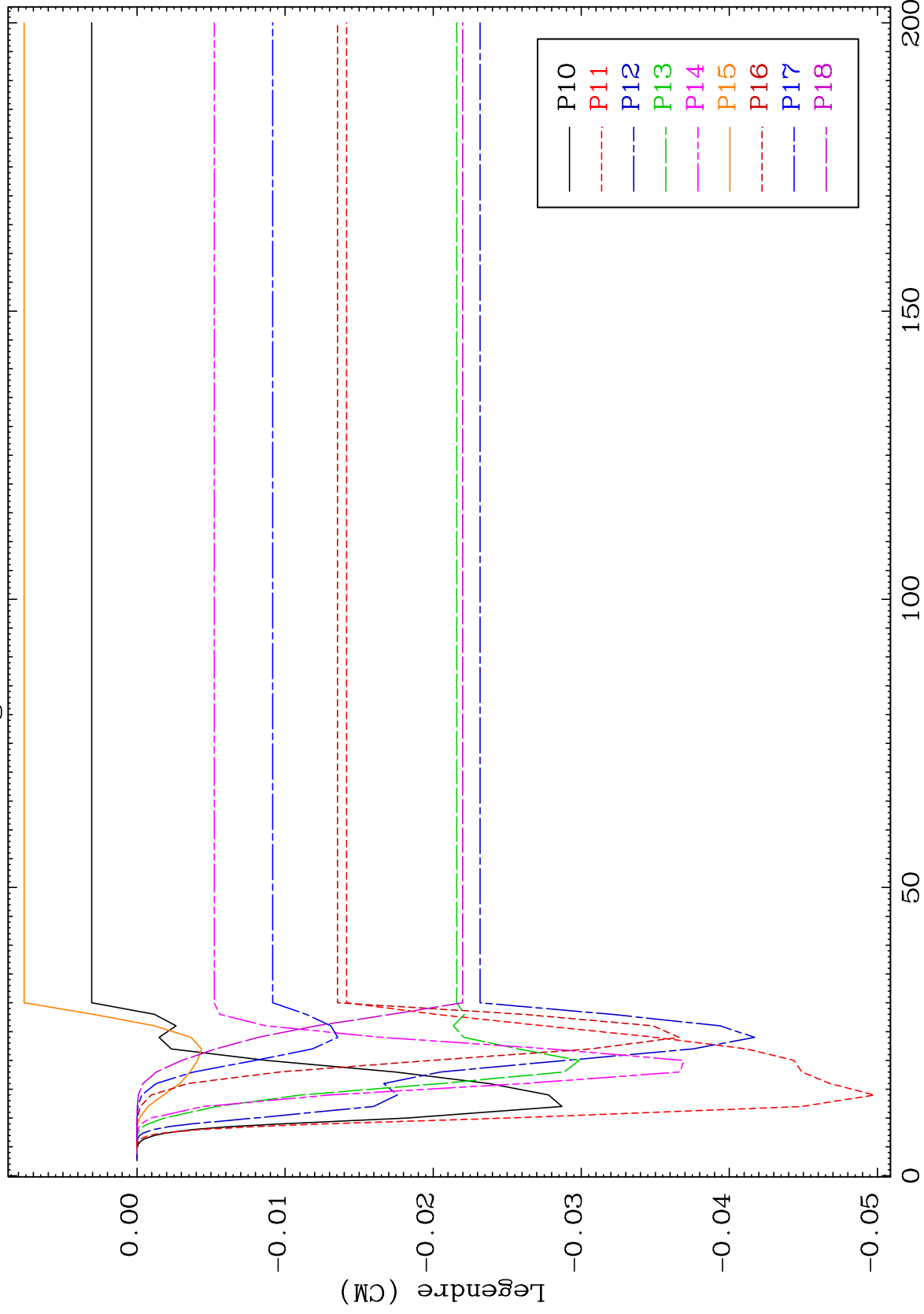
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.262 MeV (n,n') Level
Legendre Coefficients

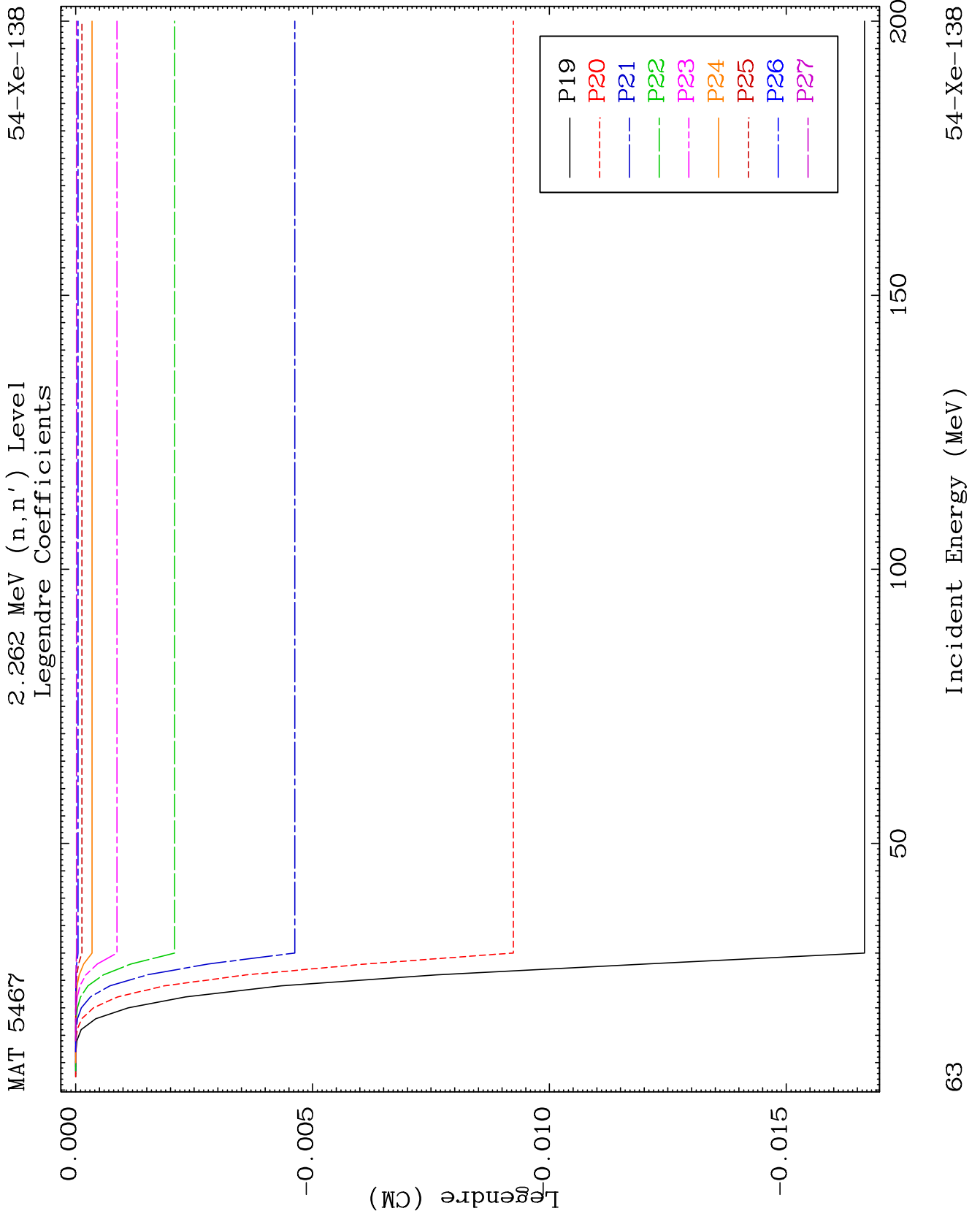
54-Xe-138

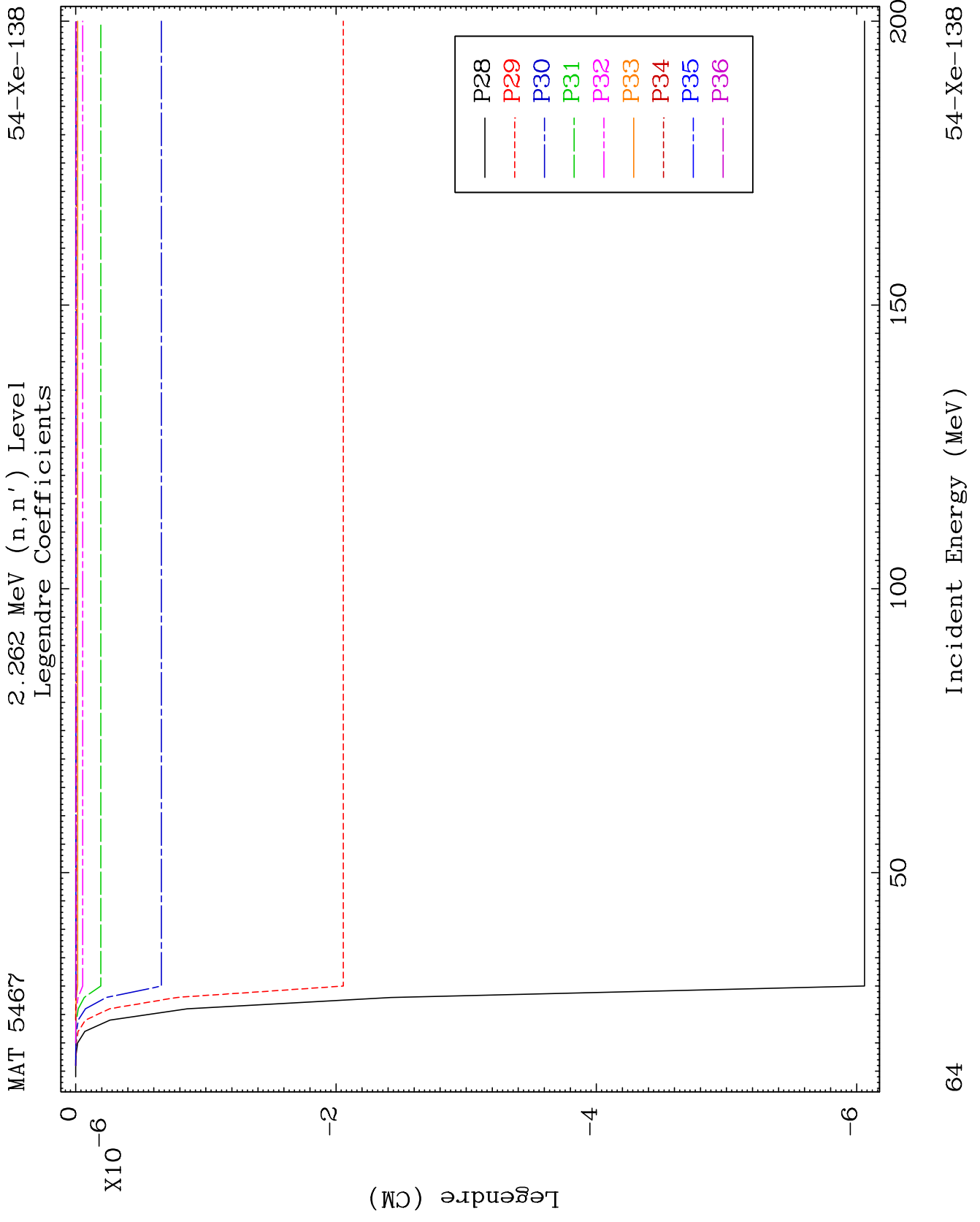


62

Incident Energy (MeV)

54-Xe-138

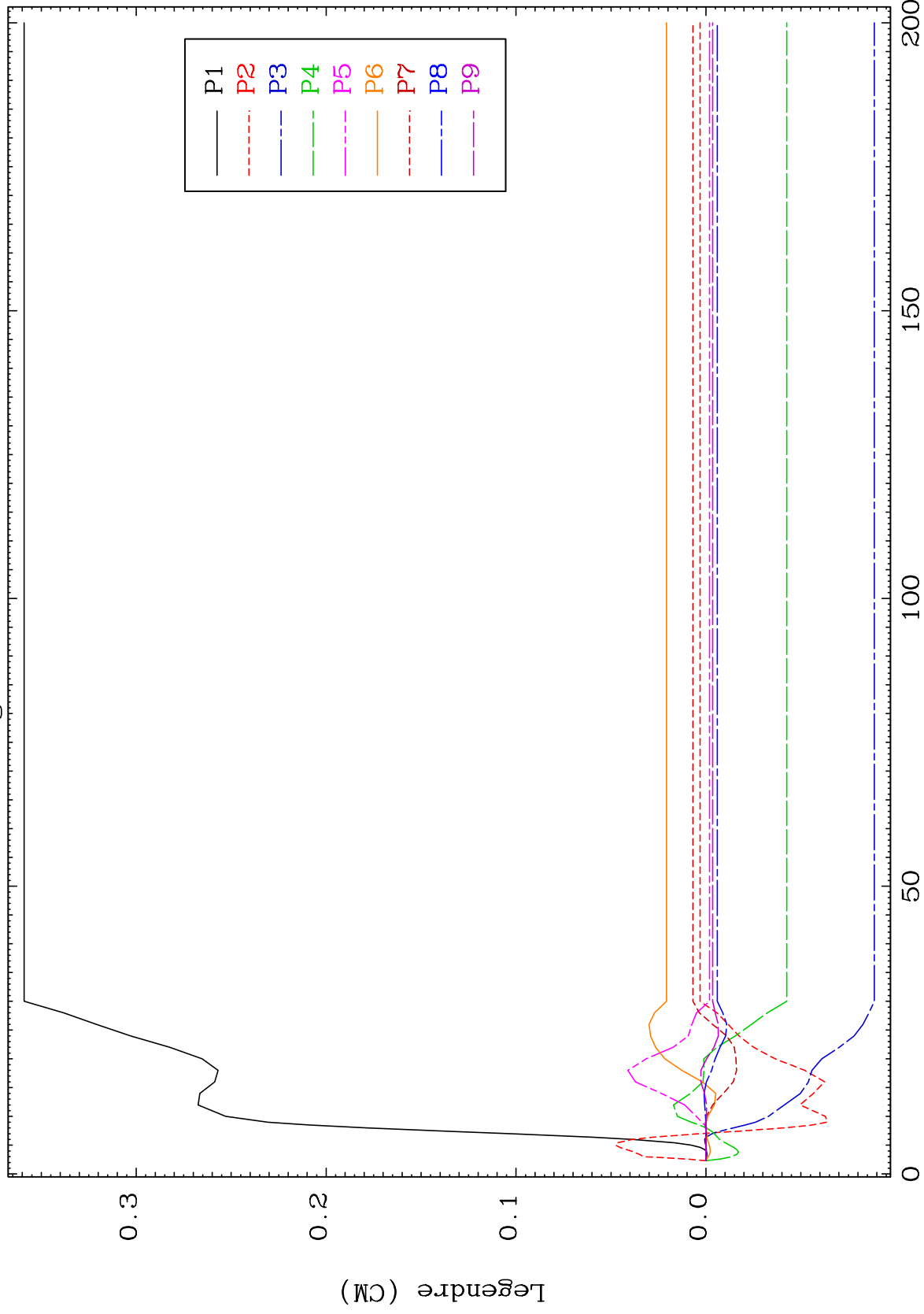




MAT 5467

2.284 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



65

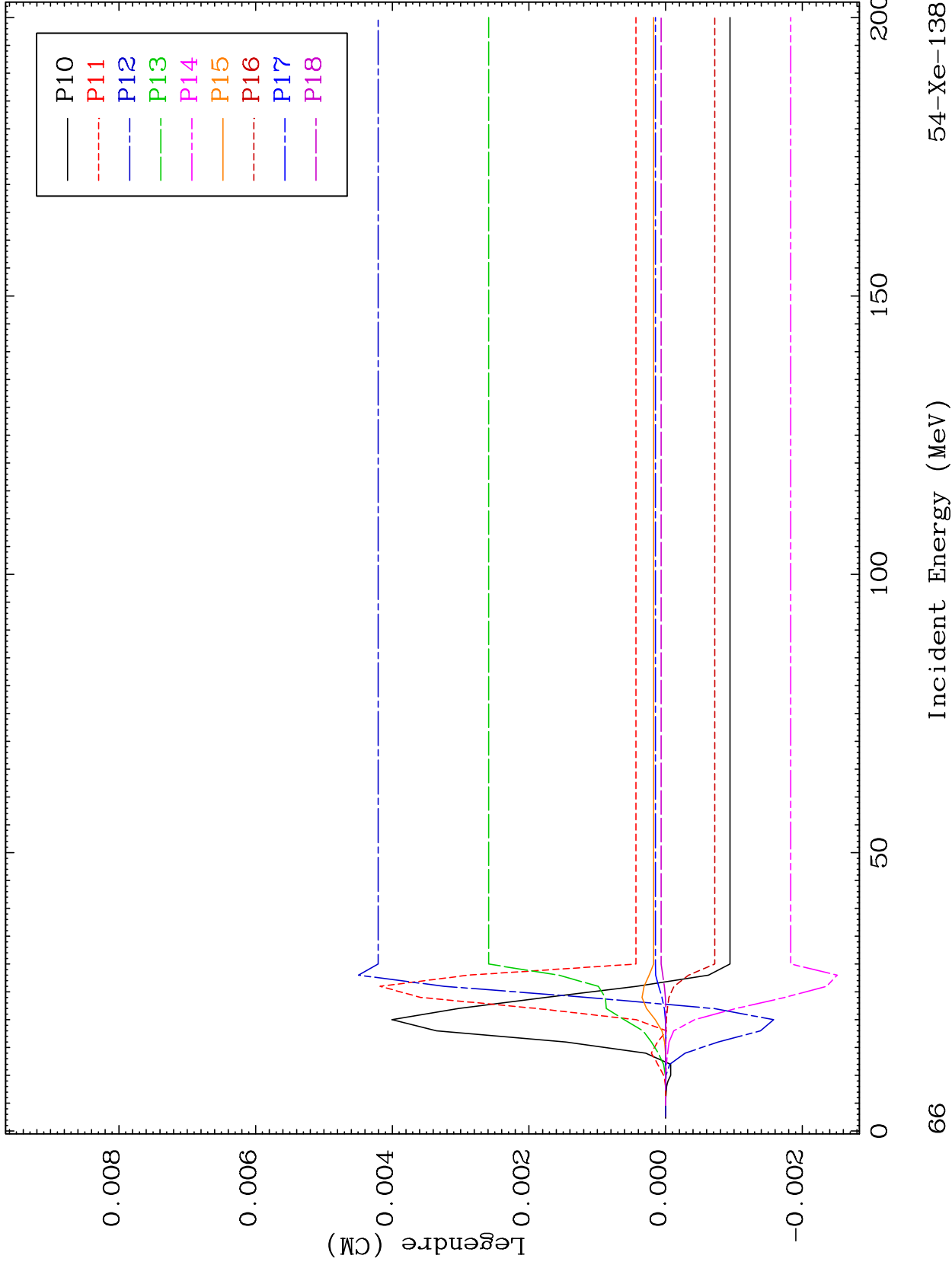
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.284 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



66

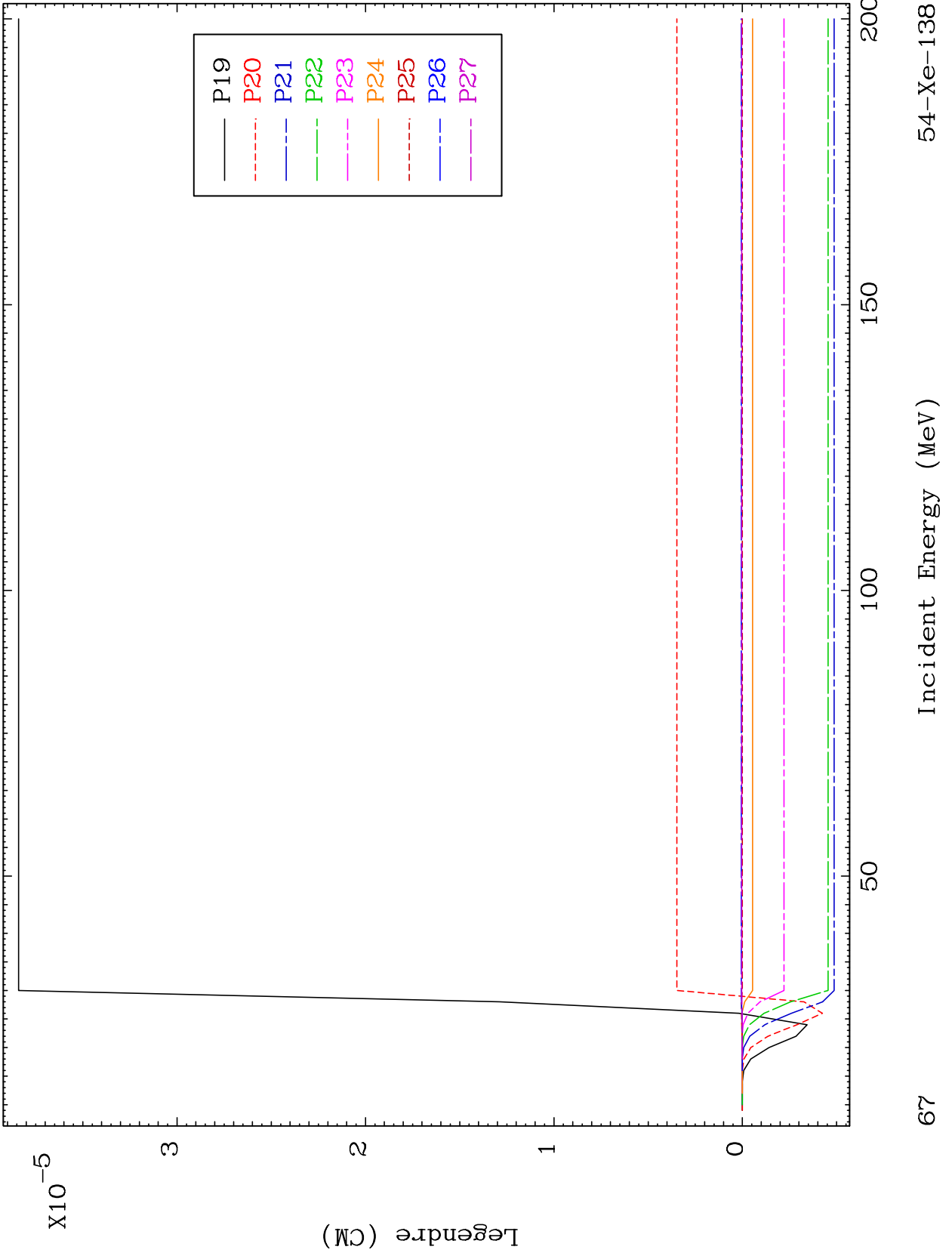
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.284 MeV (n, n') Level
Legendre Coefficients

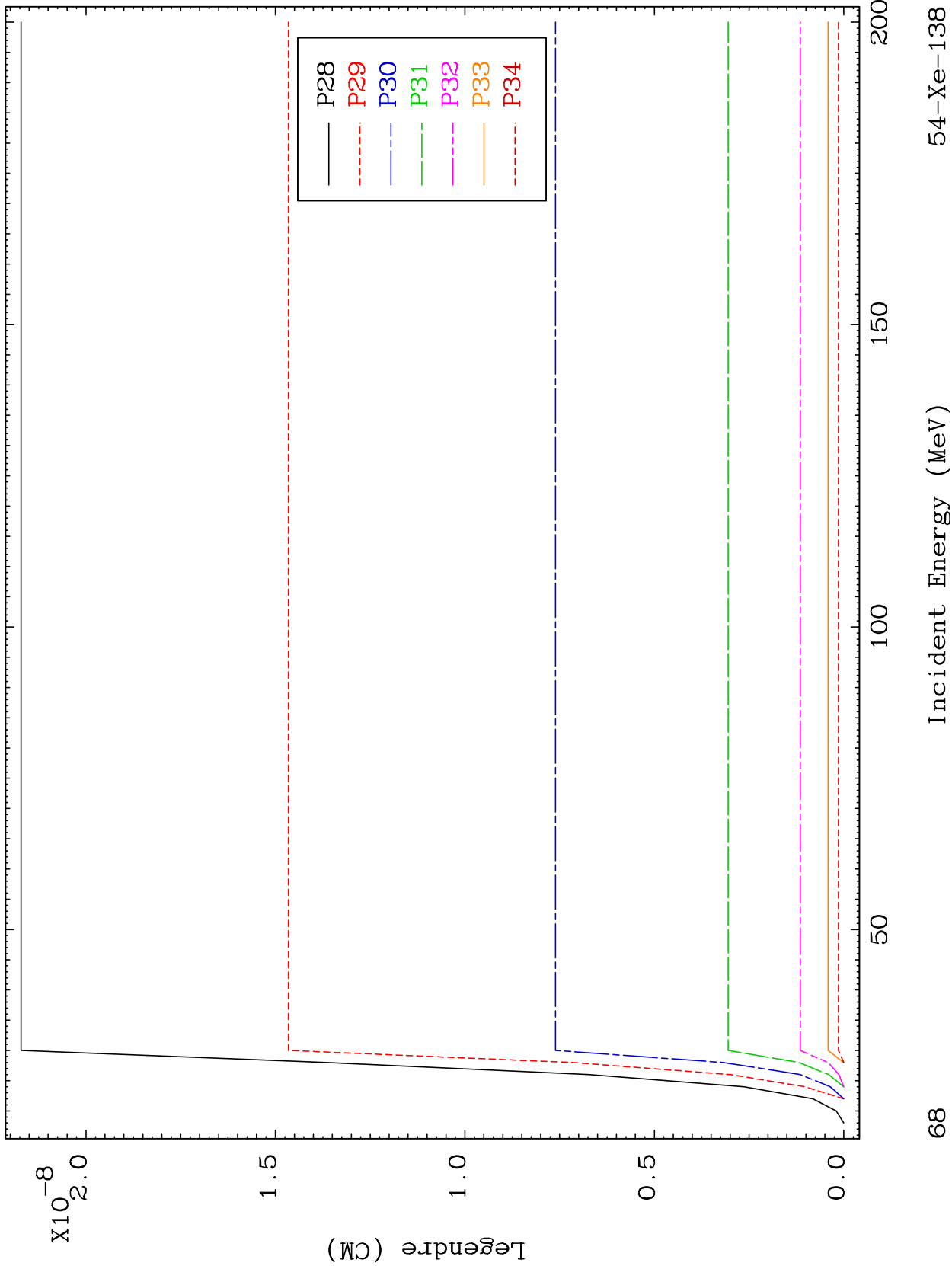
54-Xe-138



MAT 5467

2.284 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



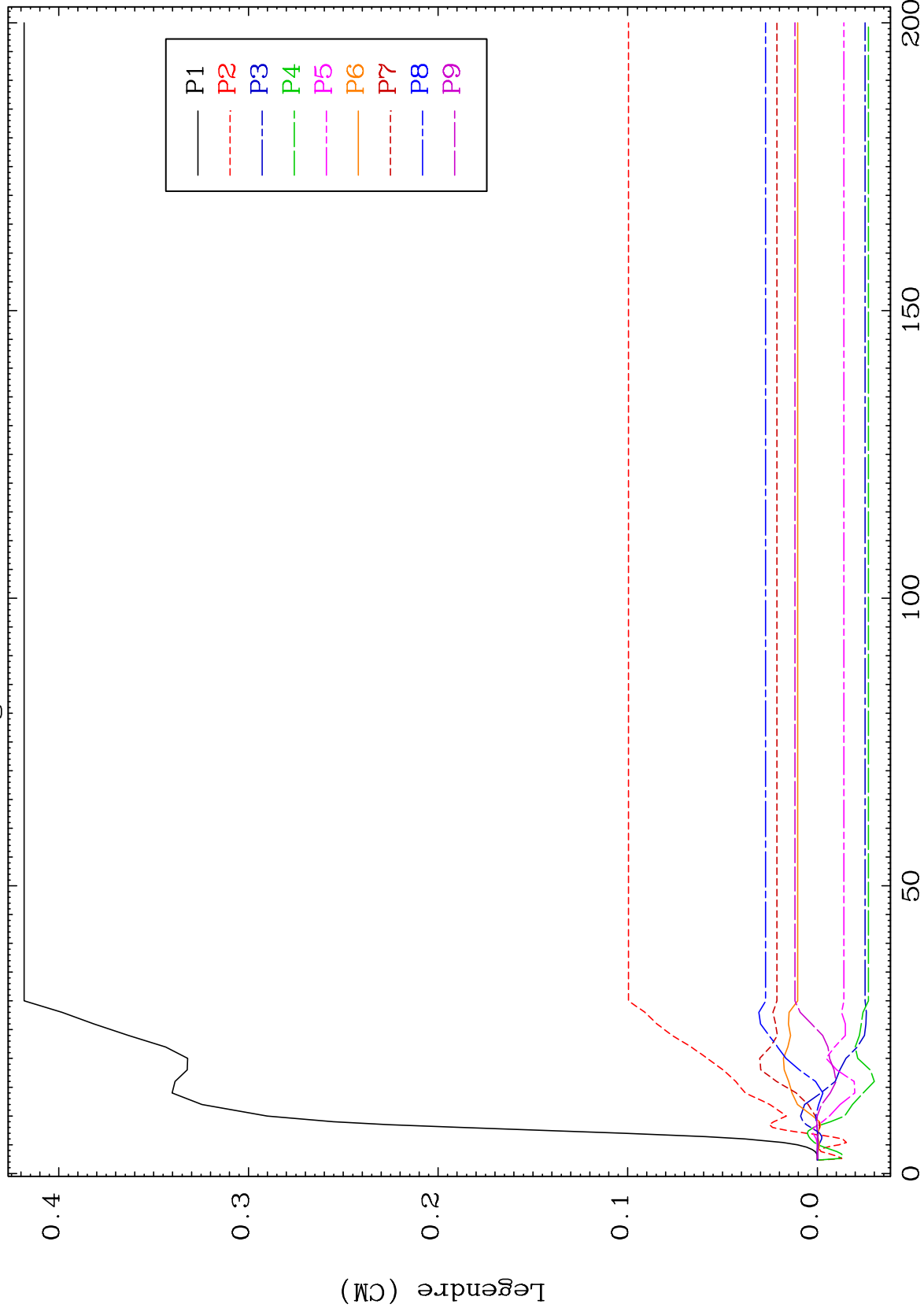
68

54-Xe-138

MAT 5467

2.293 MeV (n, n') Level
Legendre Coefficients

54-Xe-138



69

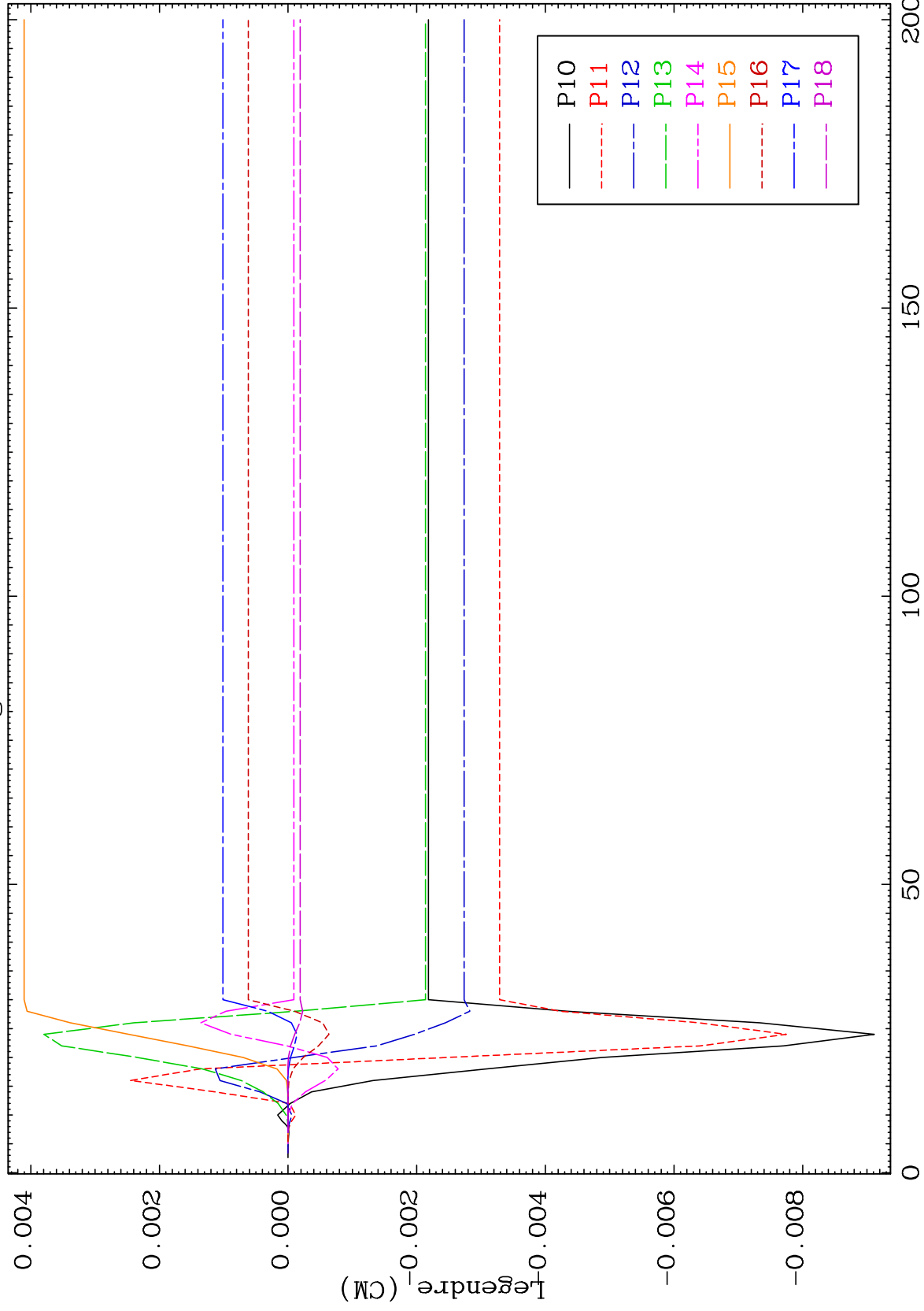
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.293 MeV (n,n') Level
Legendre Coefficients

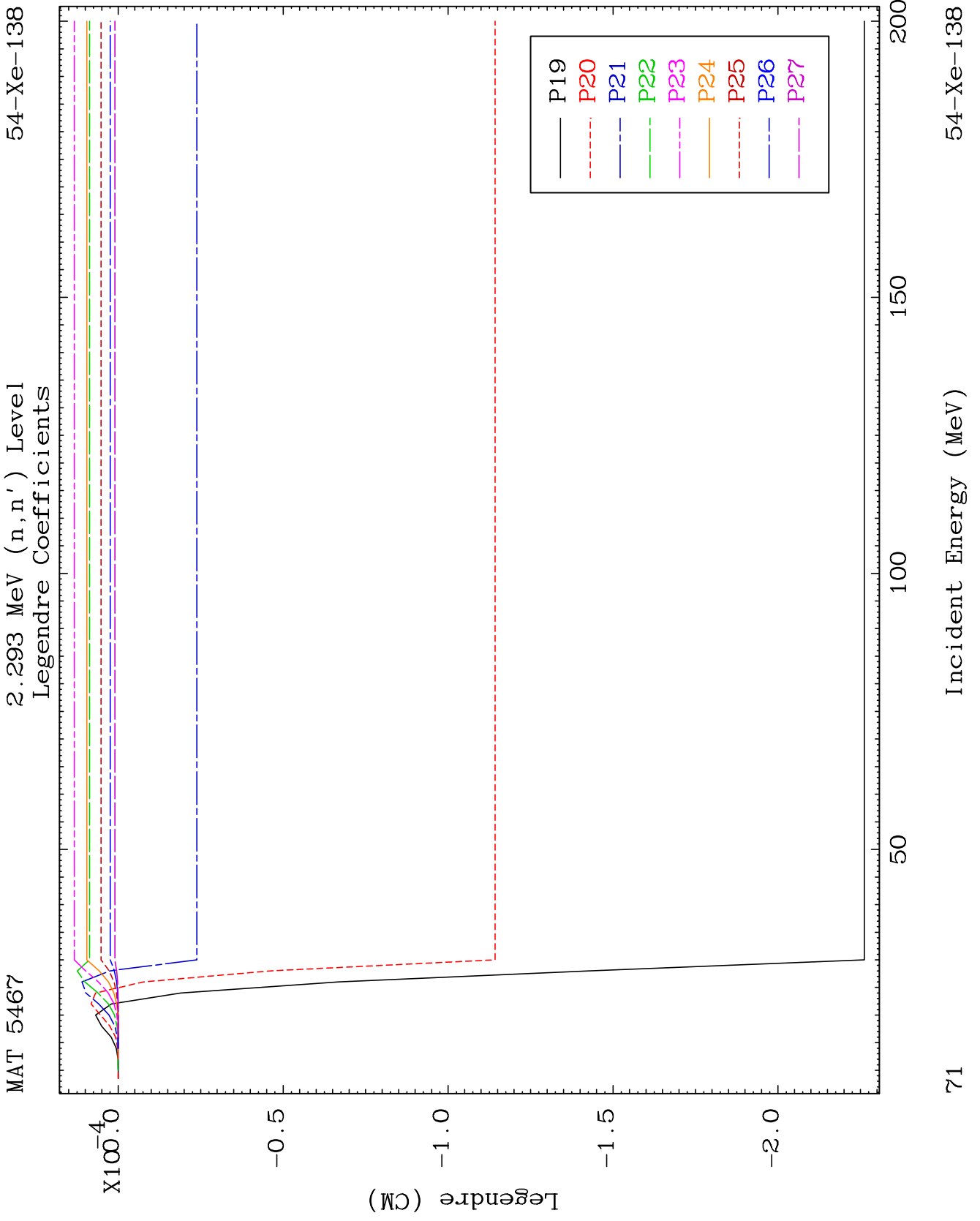
54-Xe-138



70

Incident Energy (MeV)

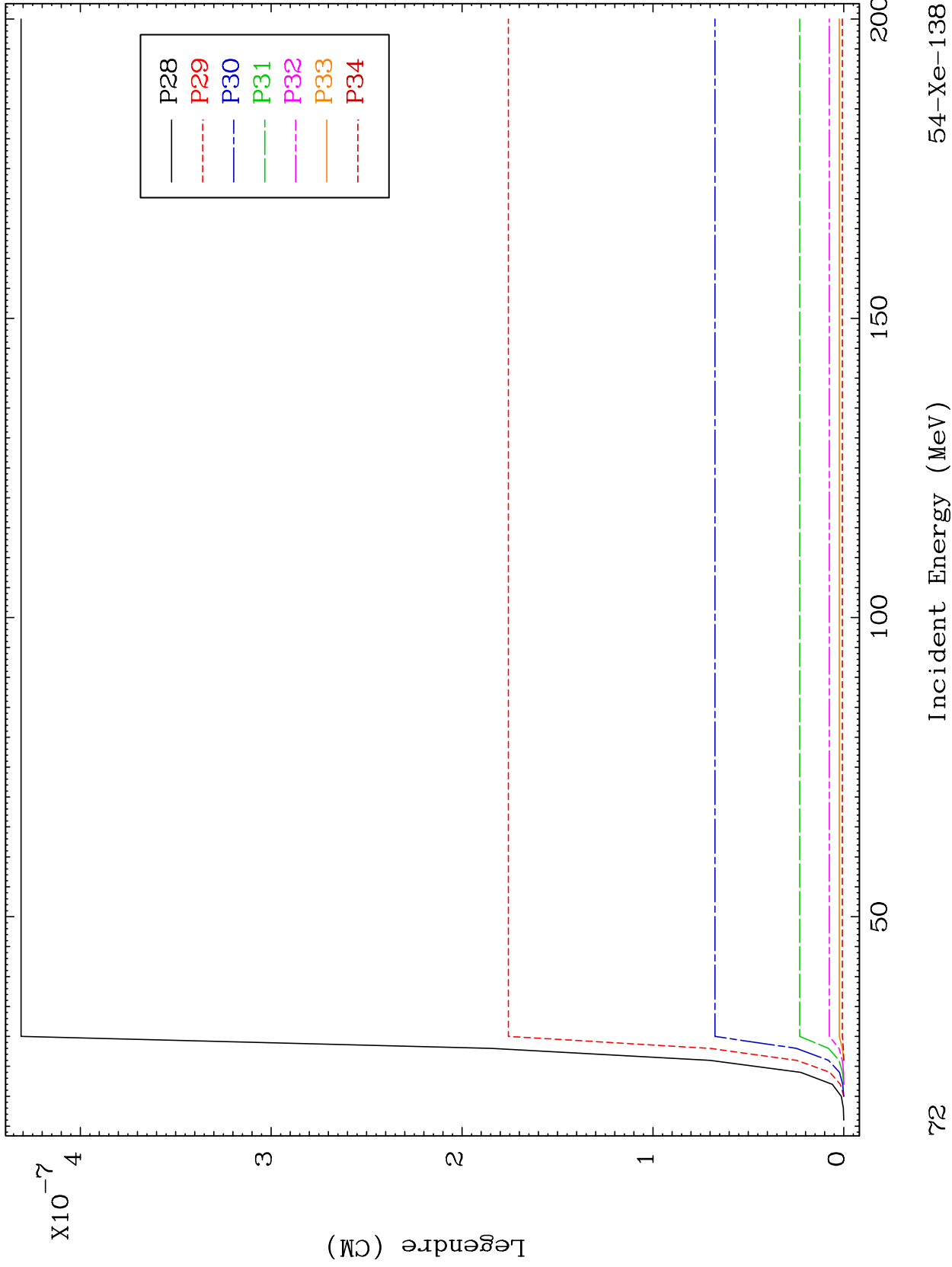
54-Xe-138



MAT 5467

2.293 MeV (n, n') Level
Legendre Coefficients

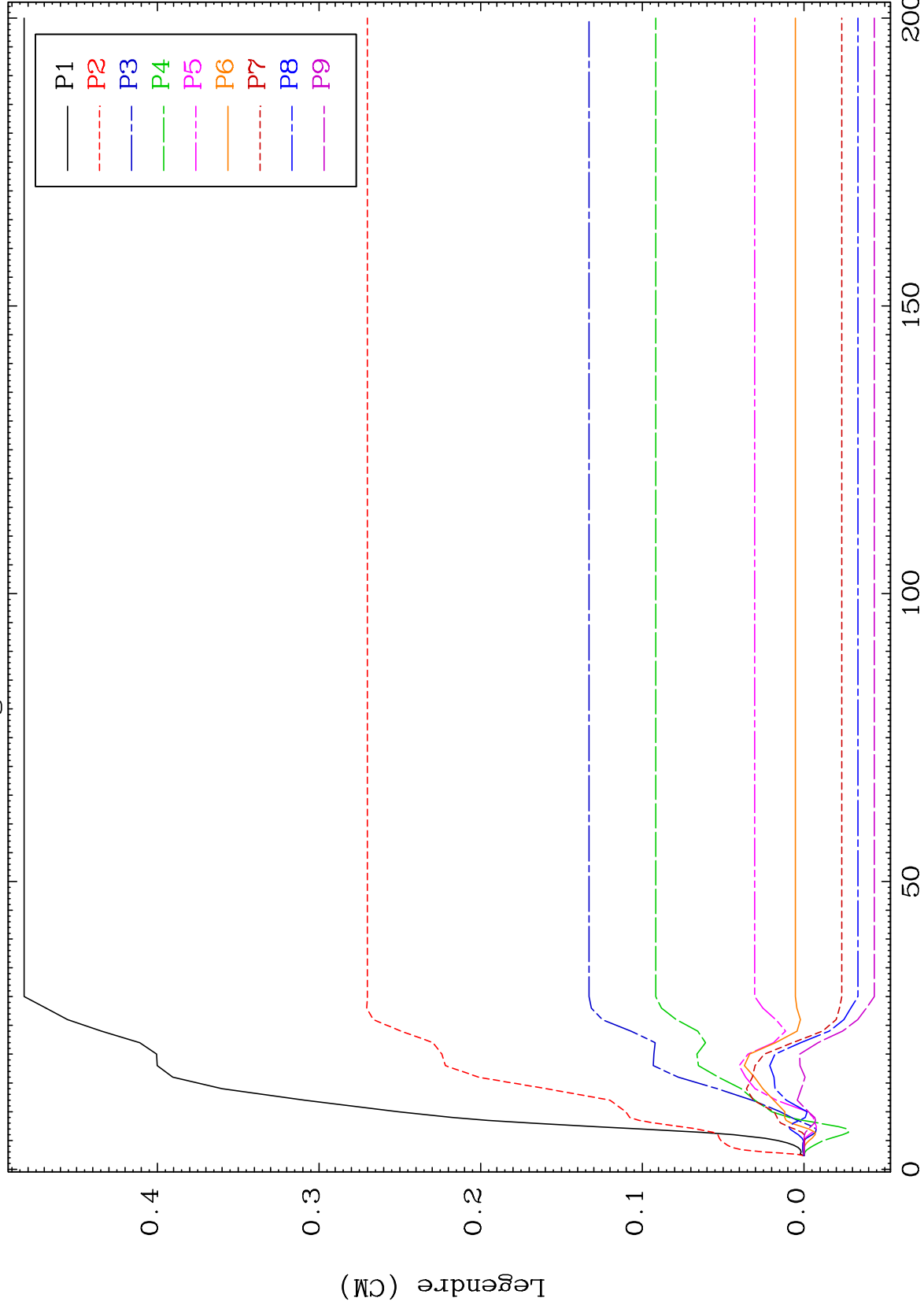
54-Xe-138



MAT 5467

2.332 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



73

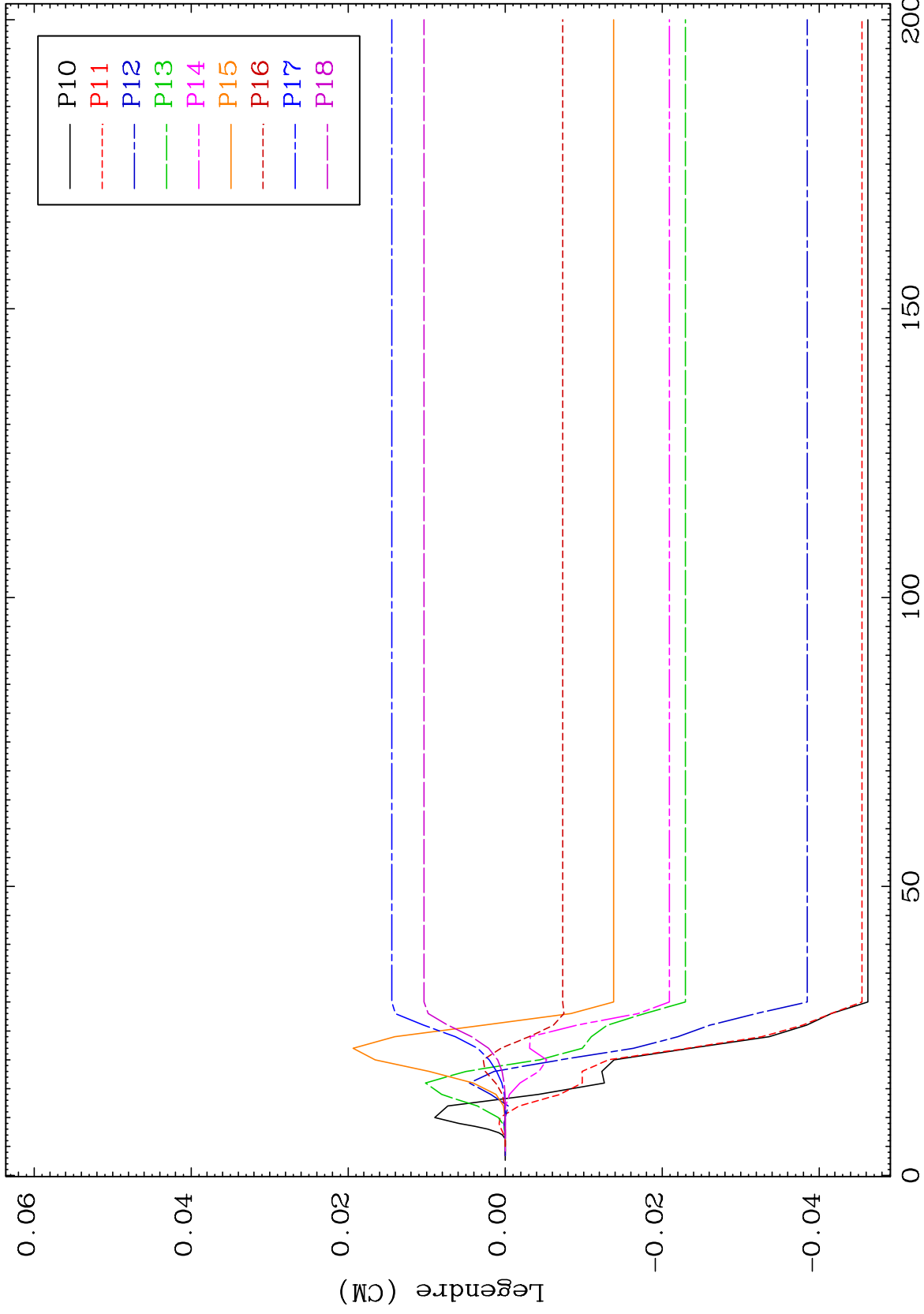
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.332 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



74

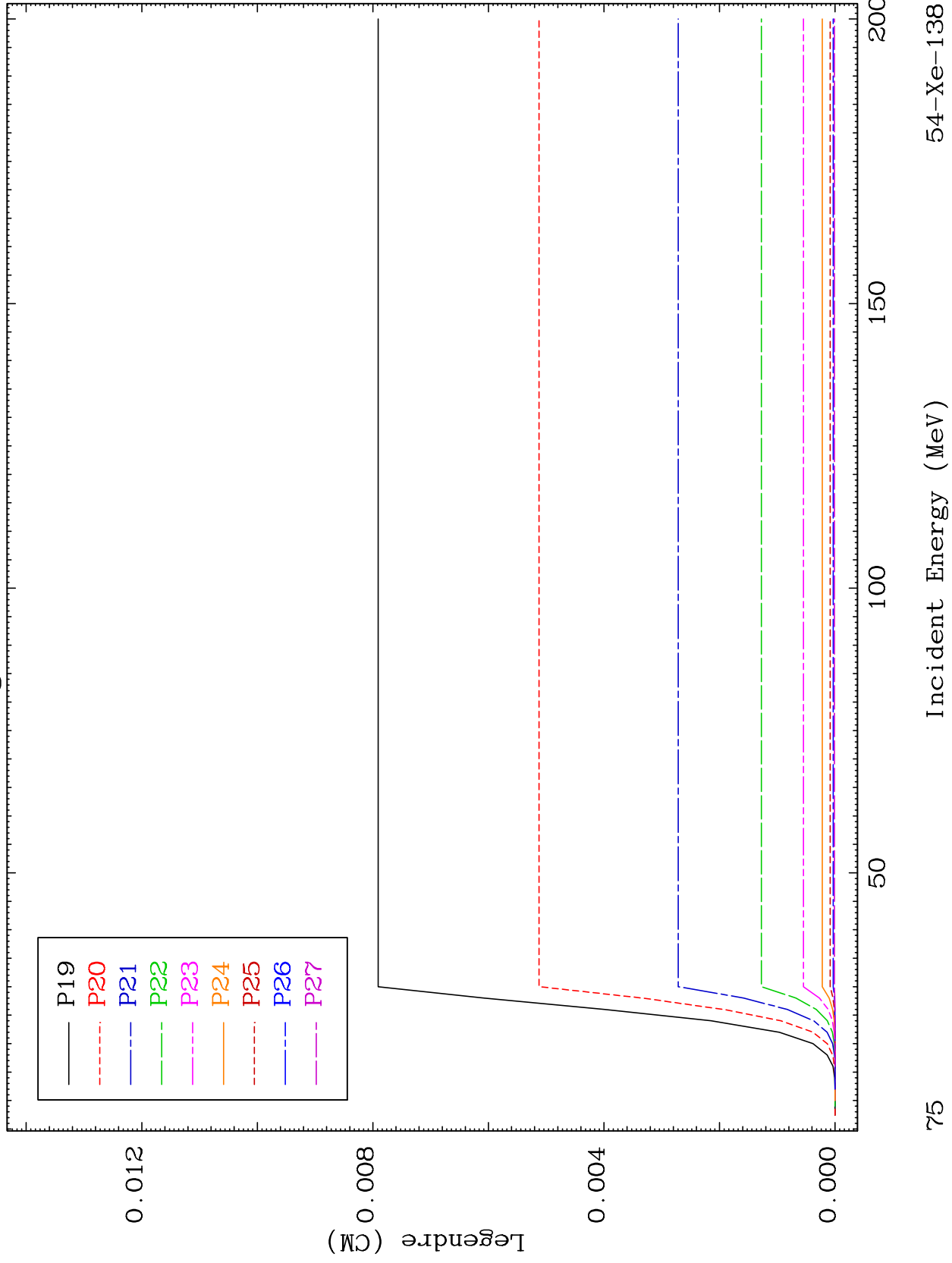
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.332 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



75

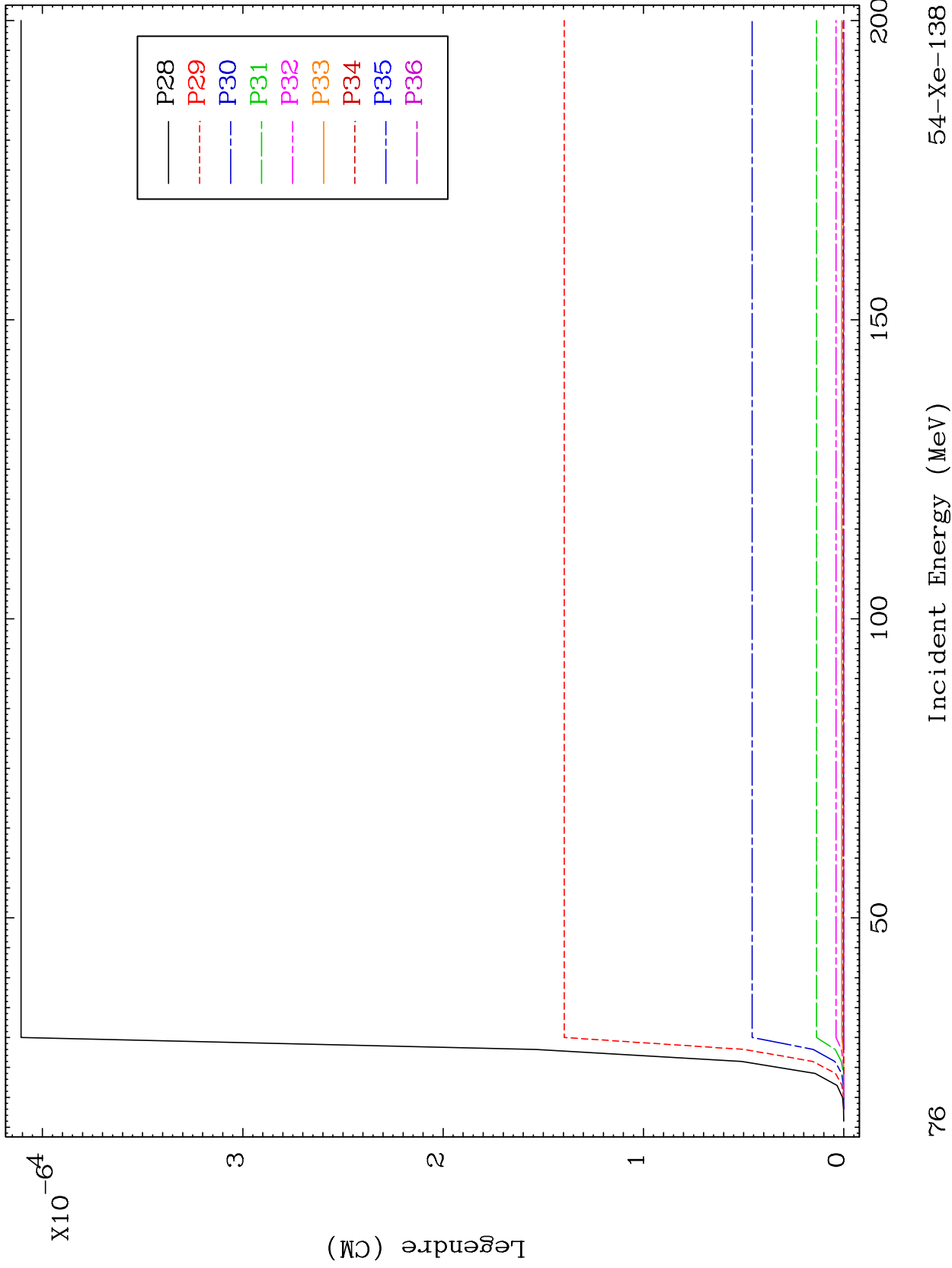
Incident Energy (MeV)

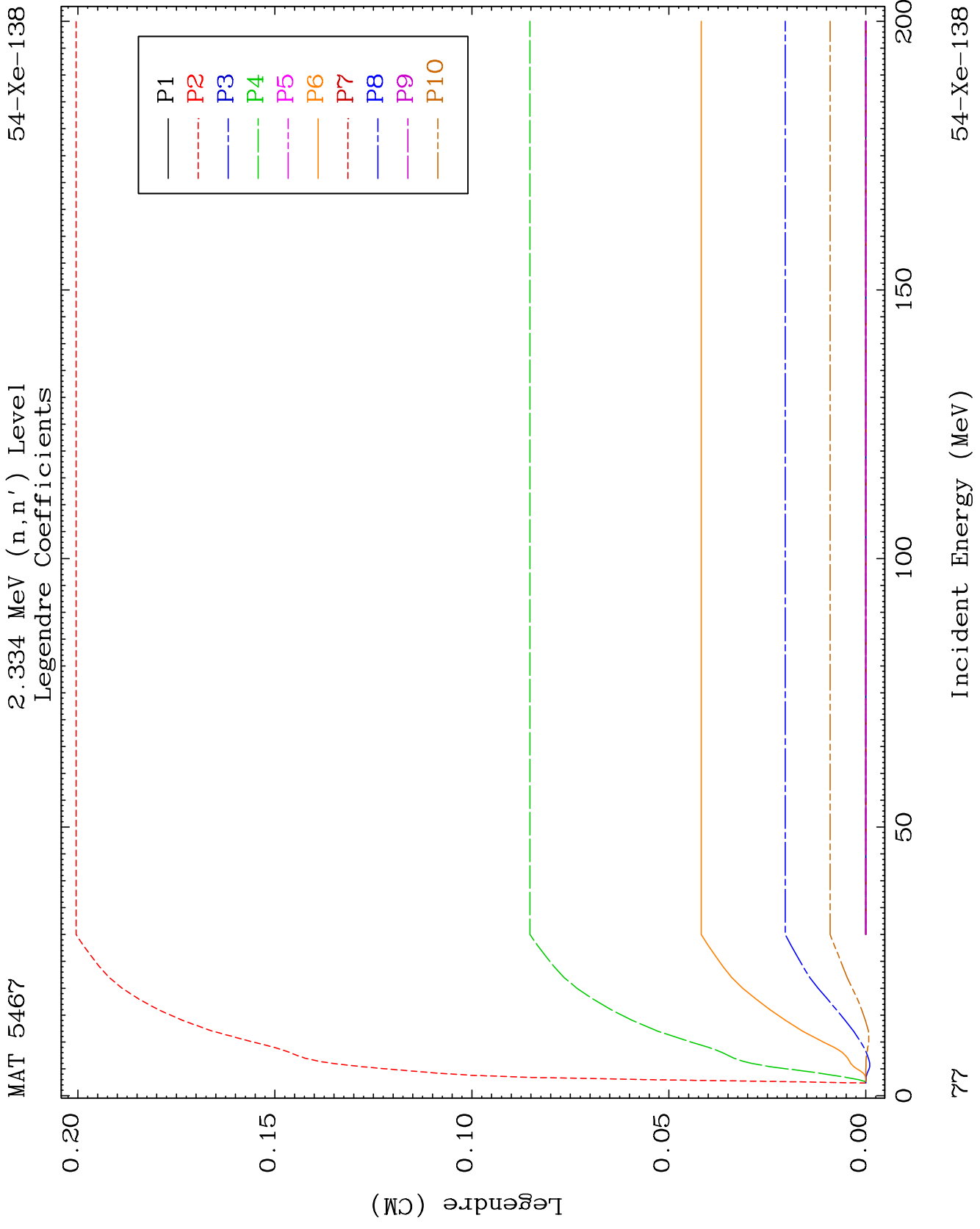
54-Xe-138

MAT 5467

2.332 MeV (n,n') Level
Legendre Coefficients

54-Xe-138

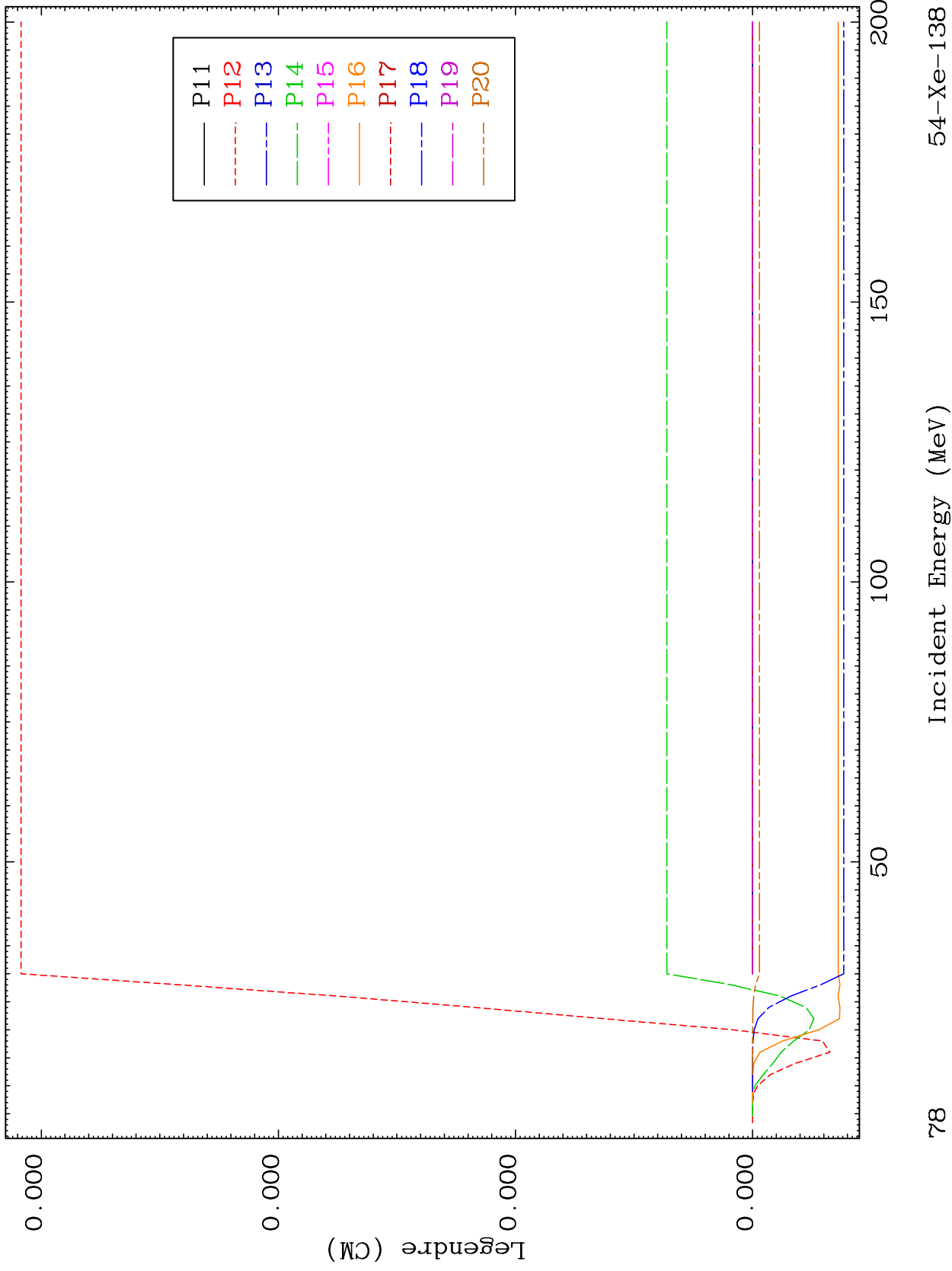




MAT 5467

2.334 MeV (n,n') Level
Legendre Coefficients

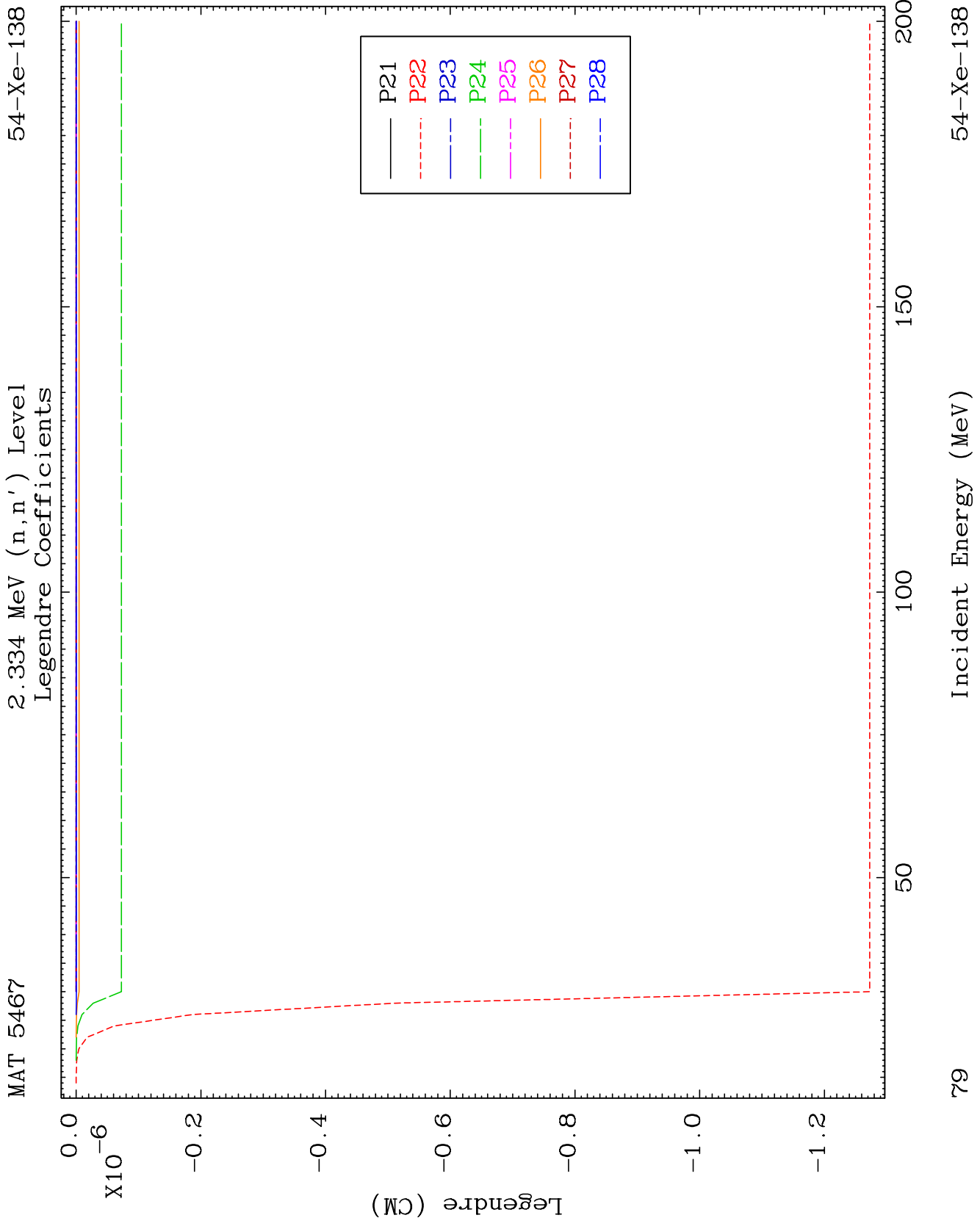
54-Xe-138



78

Incident Energy (MeV)

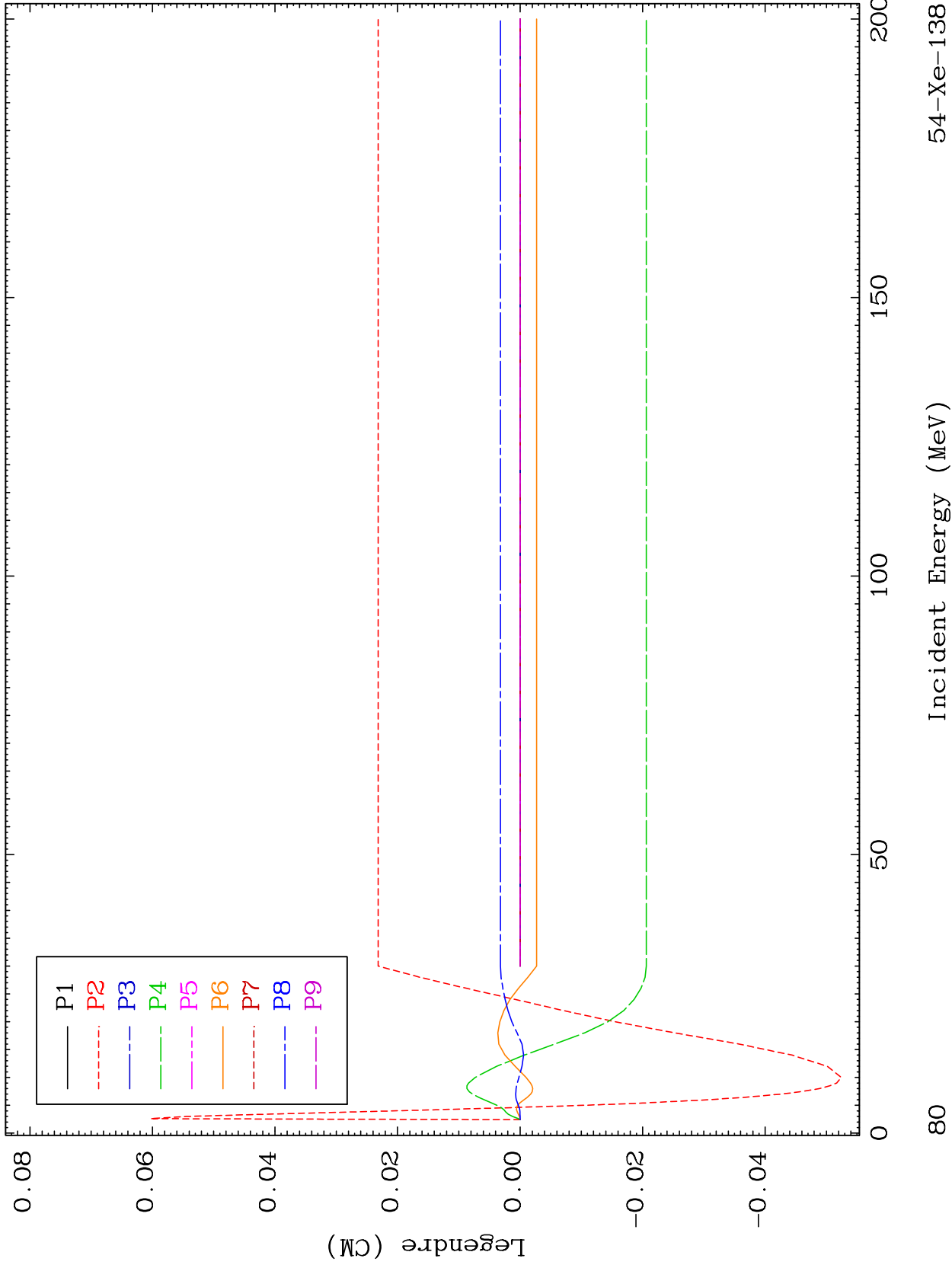
54-Xe-138



MAT 5467

2.391 MeV (n, n') Level
Legendre Coefficients

54-Xe-138



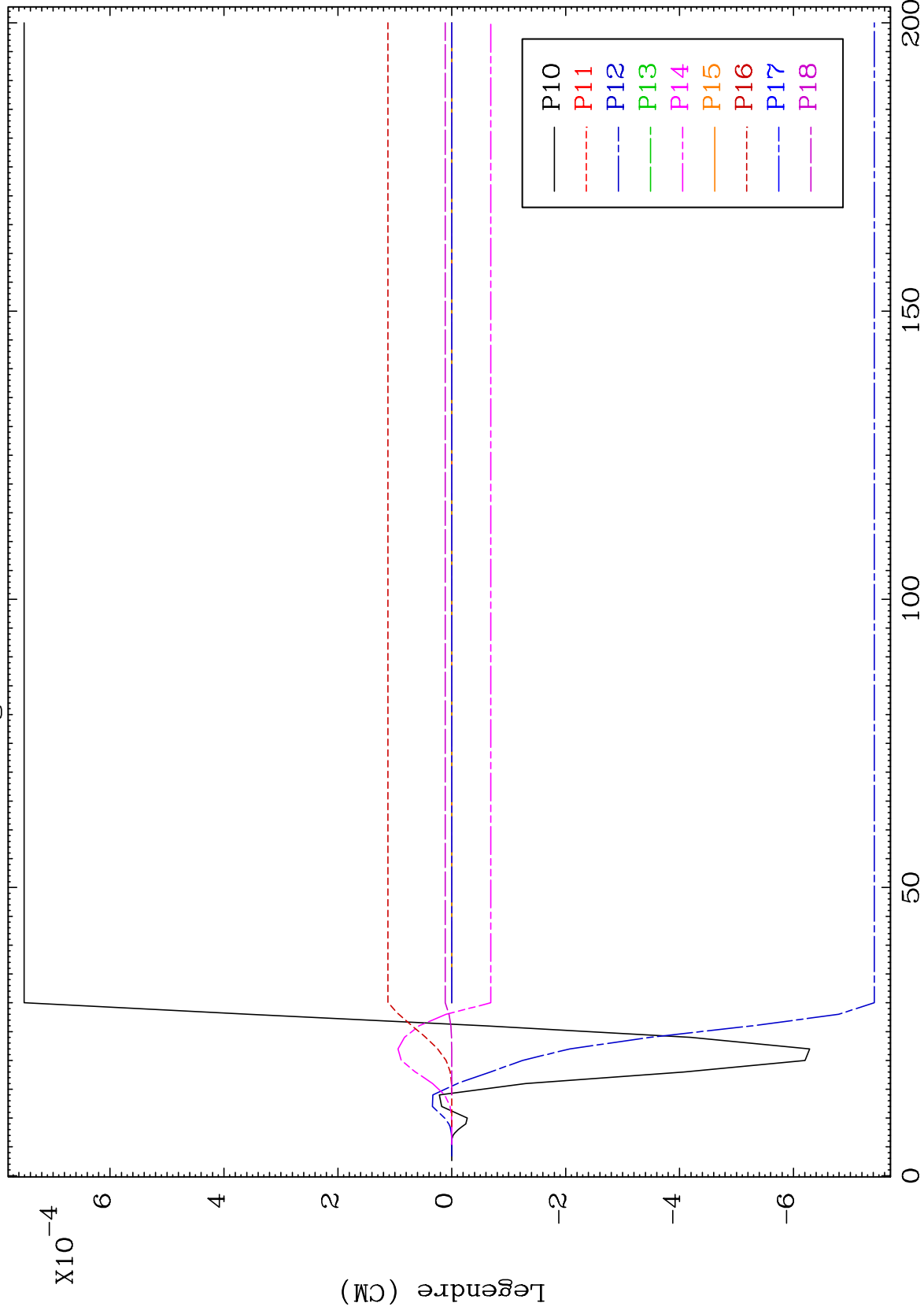
54-Xe-138

Incident Energy (MeV)

MAT 5467

2.391 MeV (n,n') Level
Legendre Coefficients

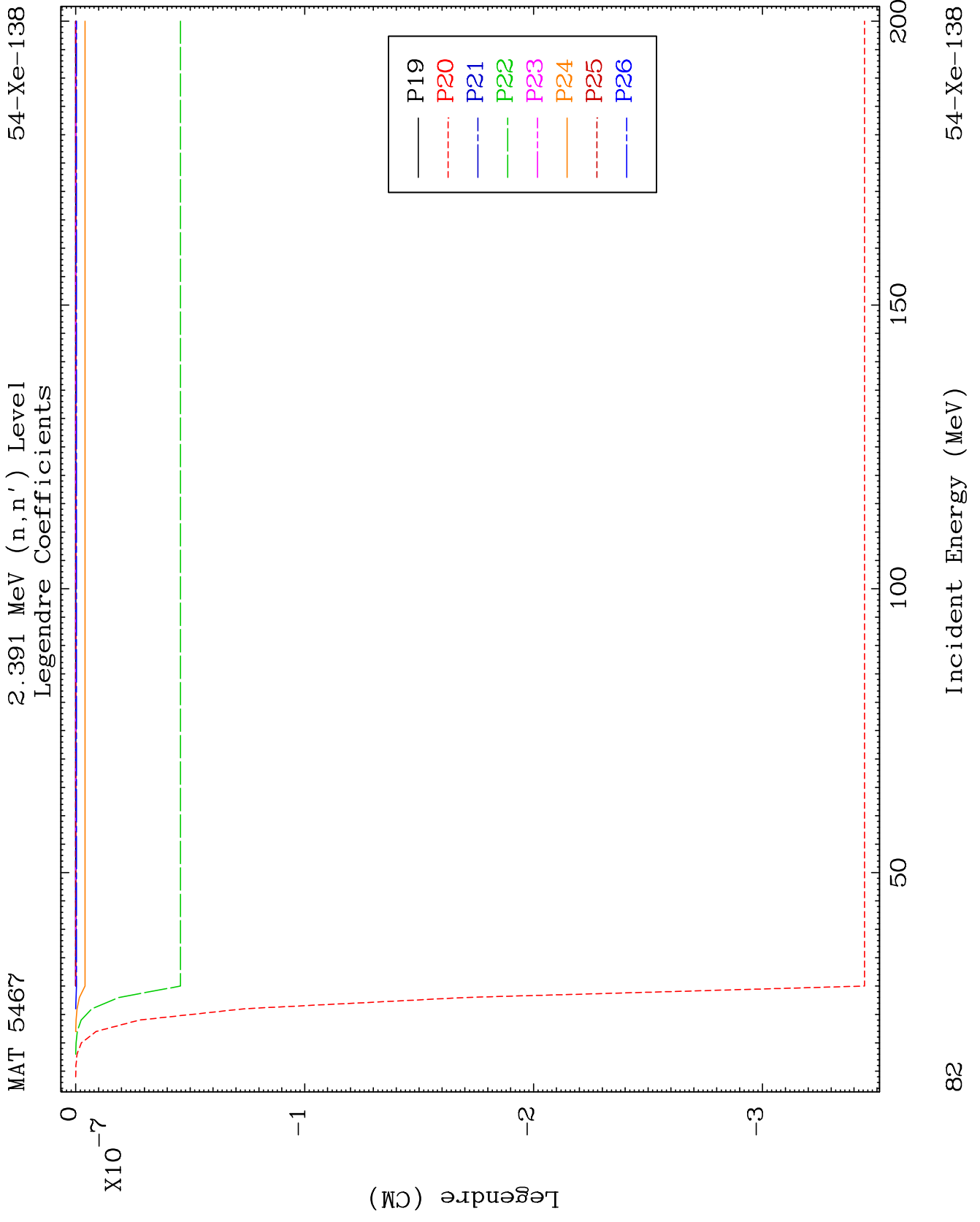
54-Xe-138



81

Incident Energy (MeV)

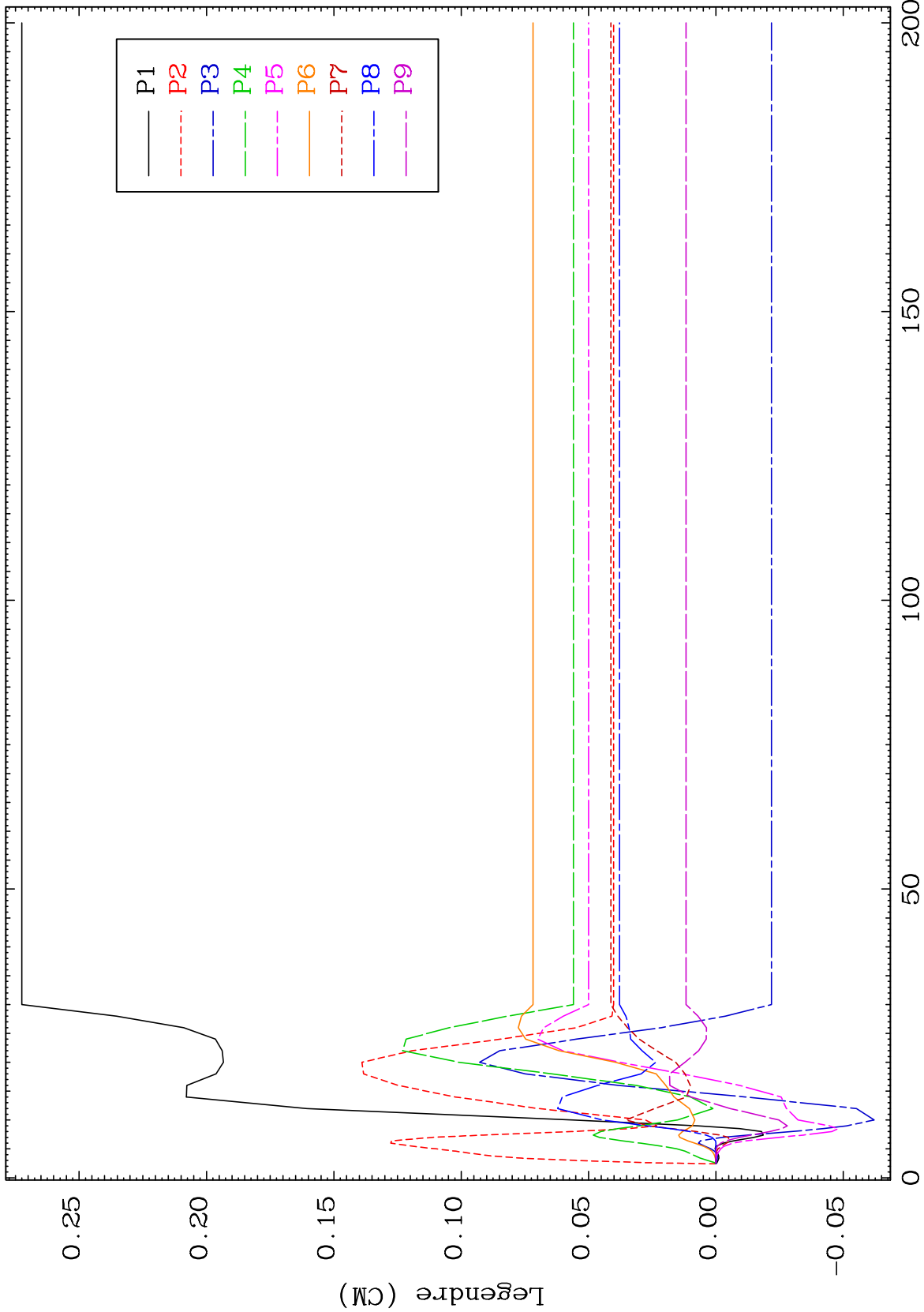
54-Xe-138



MAT 5467

2.398 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



83

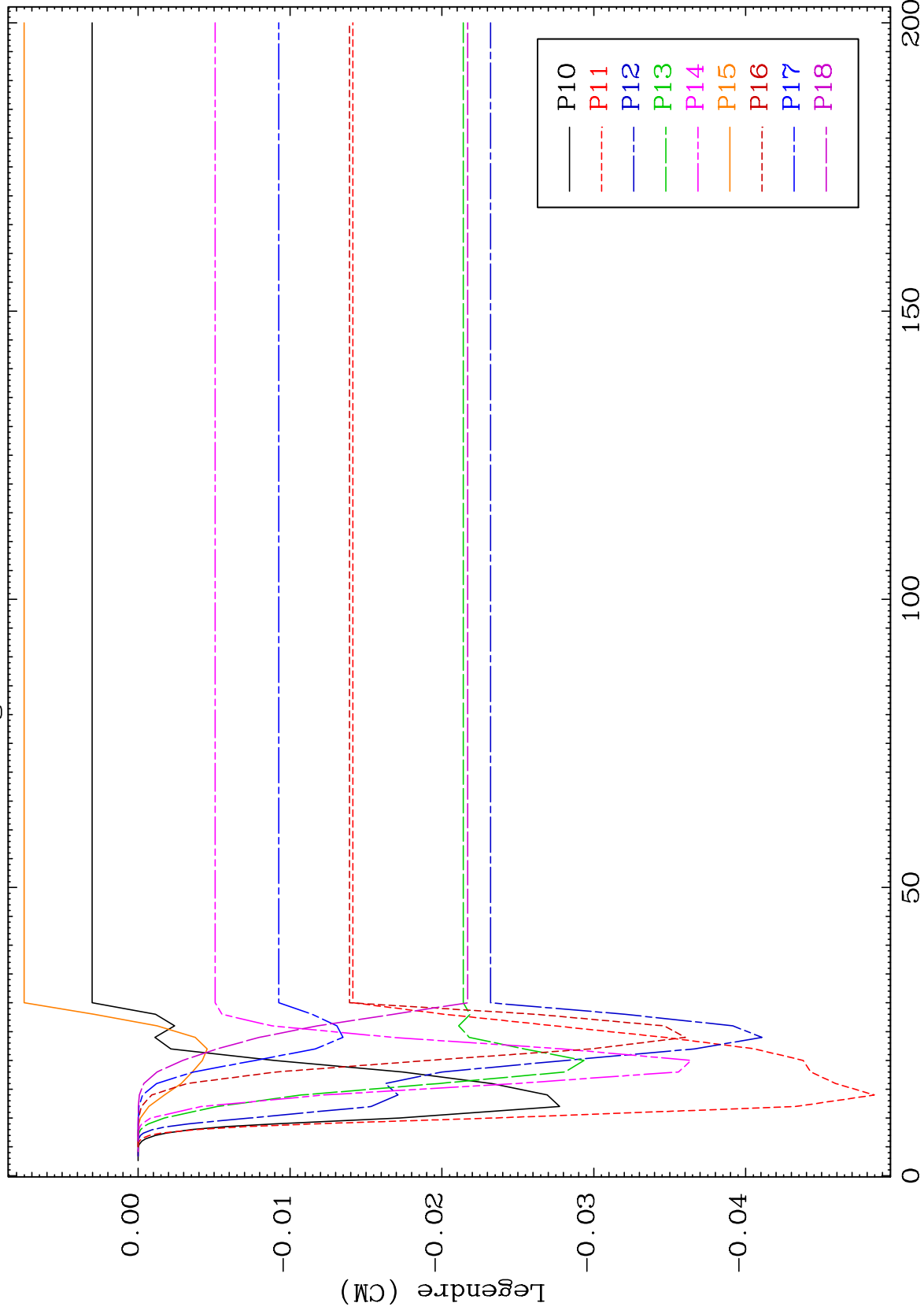
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.398 MeV (n, n') Level
Legendre Coefficients

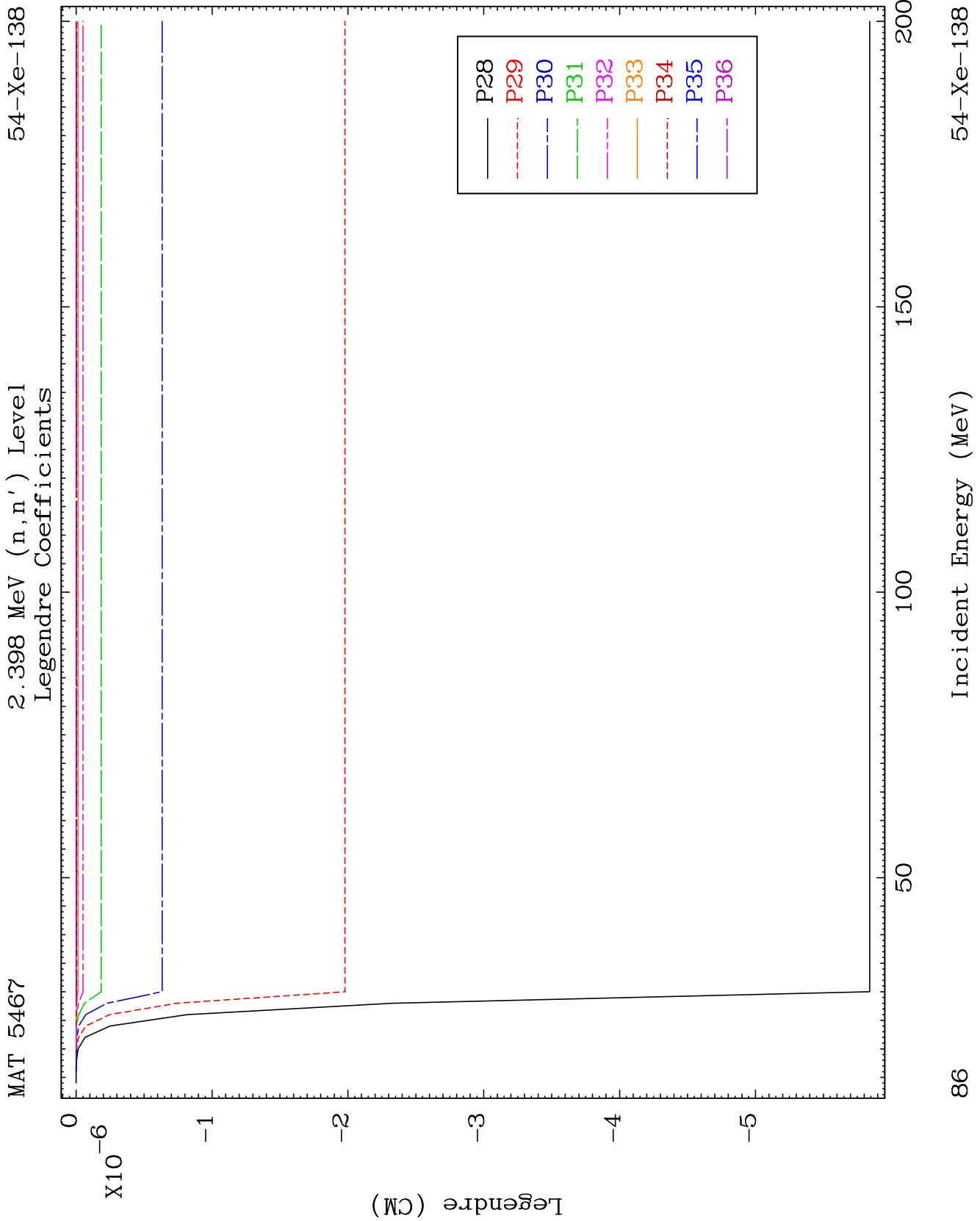
54-Xe-138

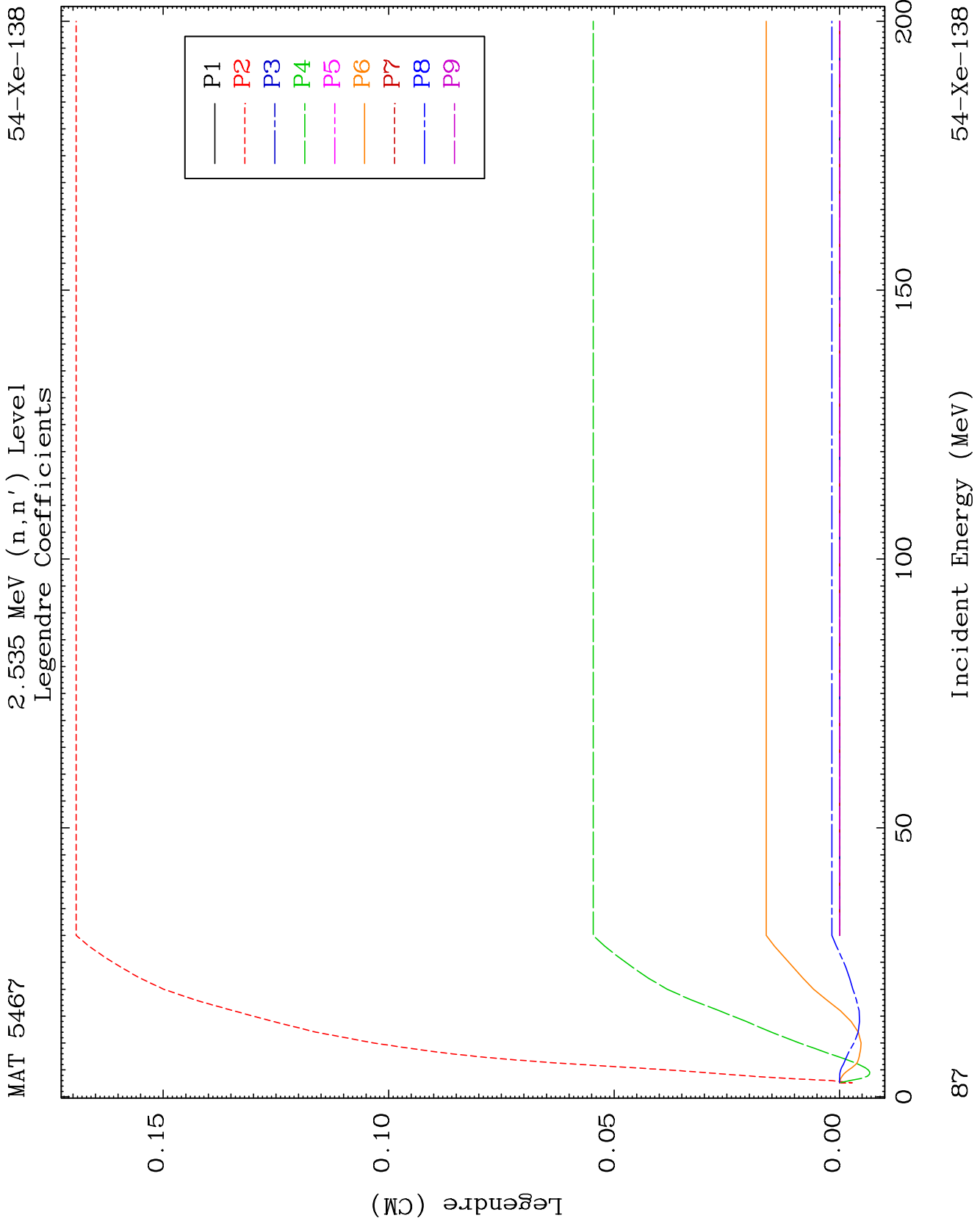


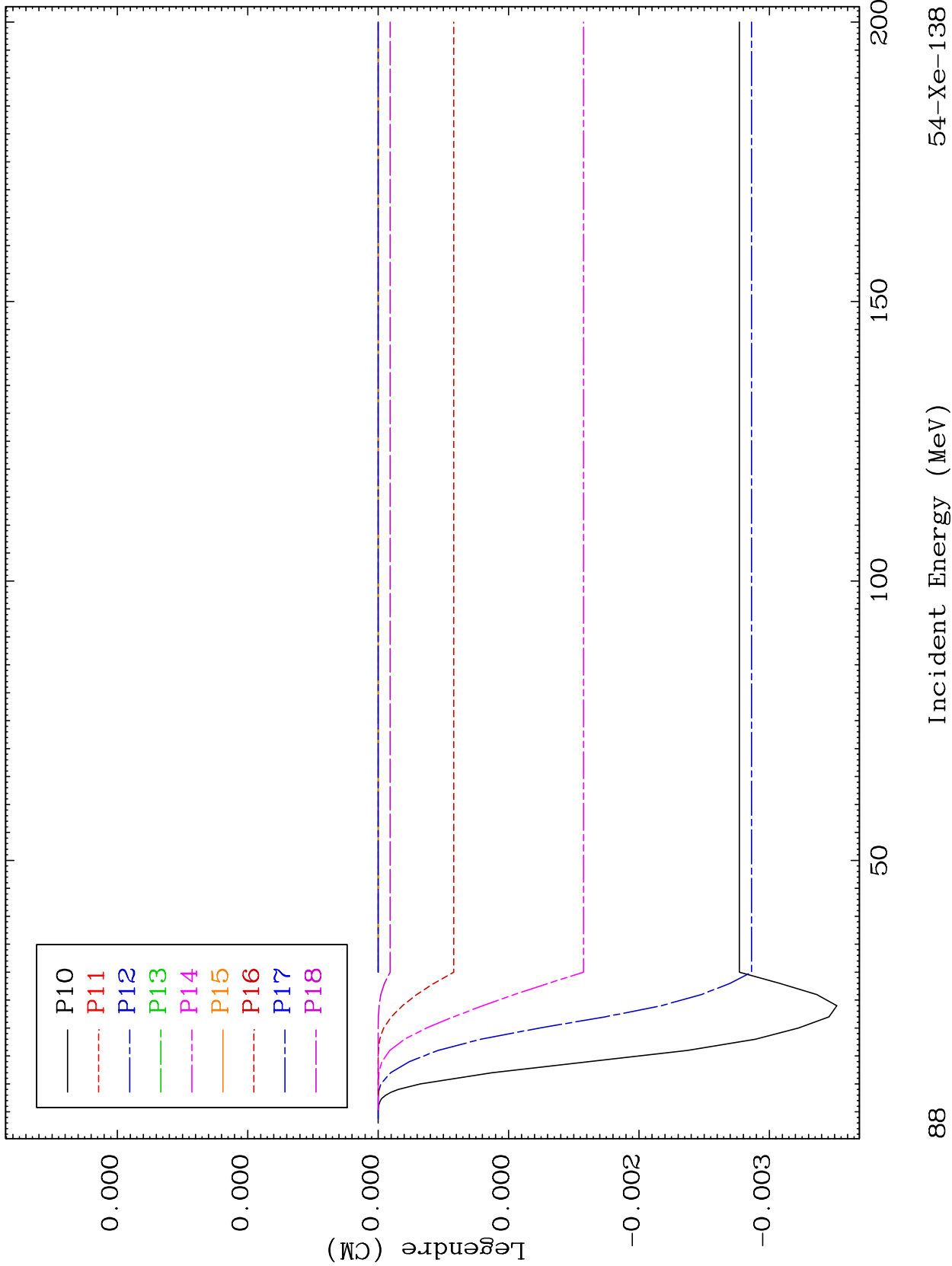
84

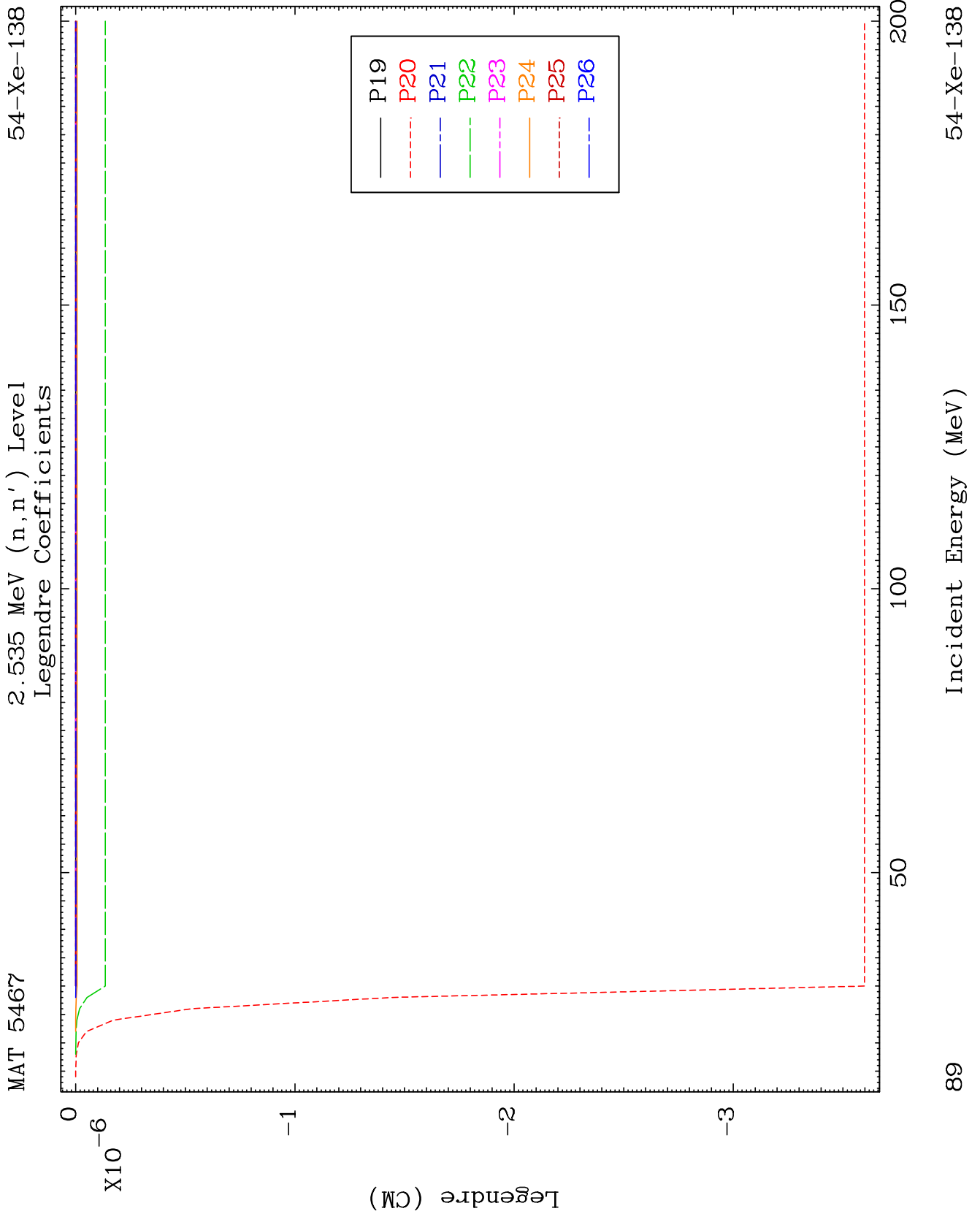
Incident Energy (MeV)

54-Xe-138





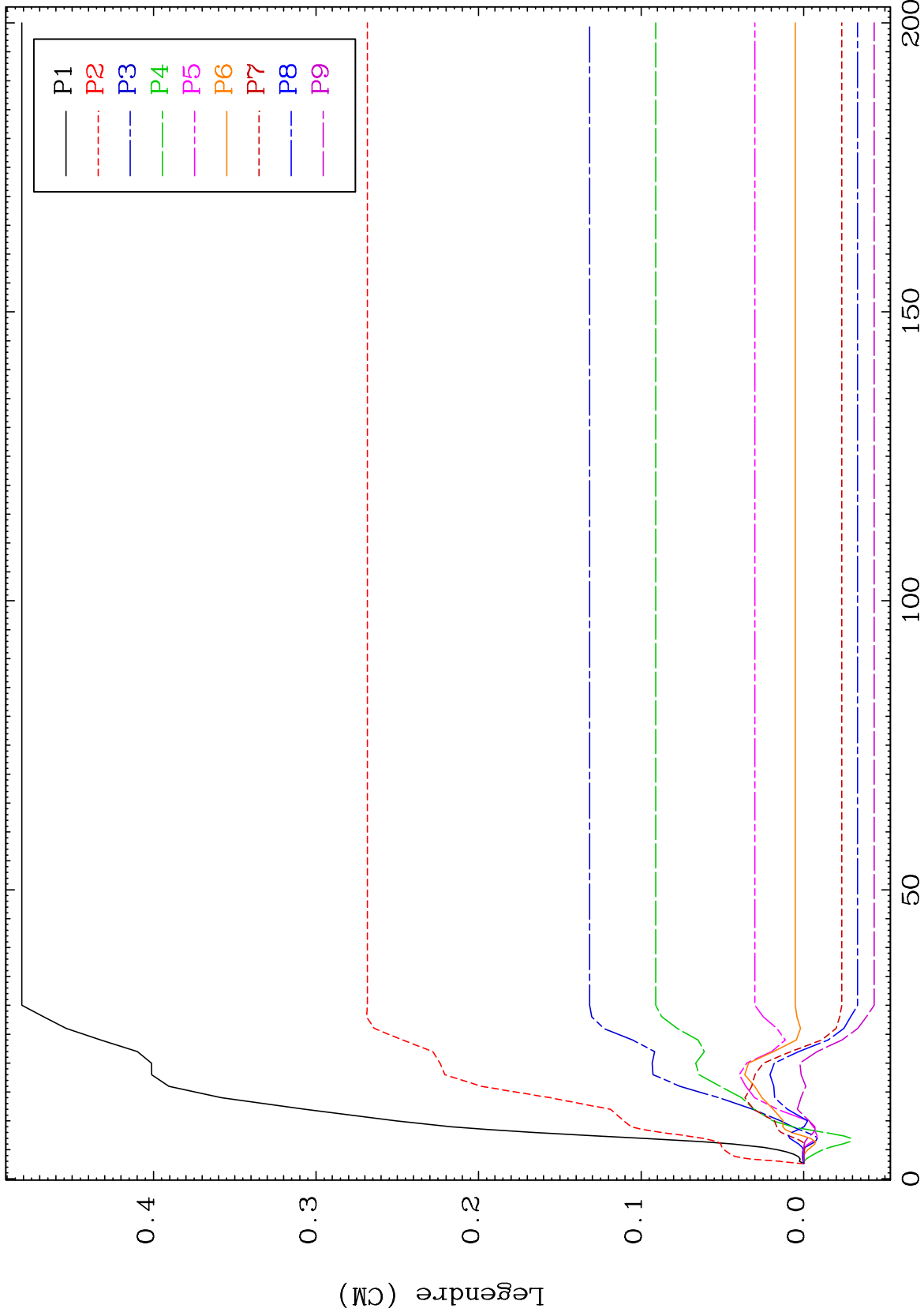




MAT 5467

2.544 MeV (n,n') Level
Legendre Coefficients

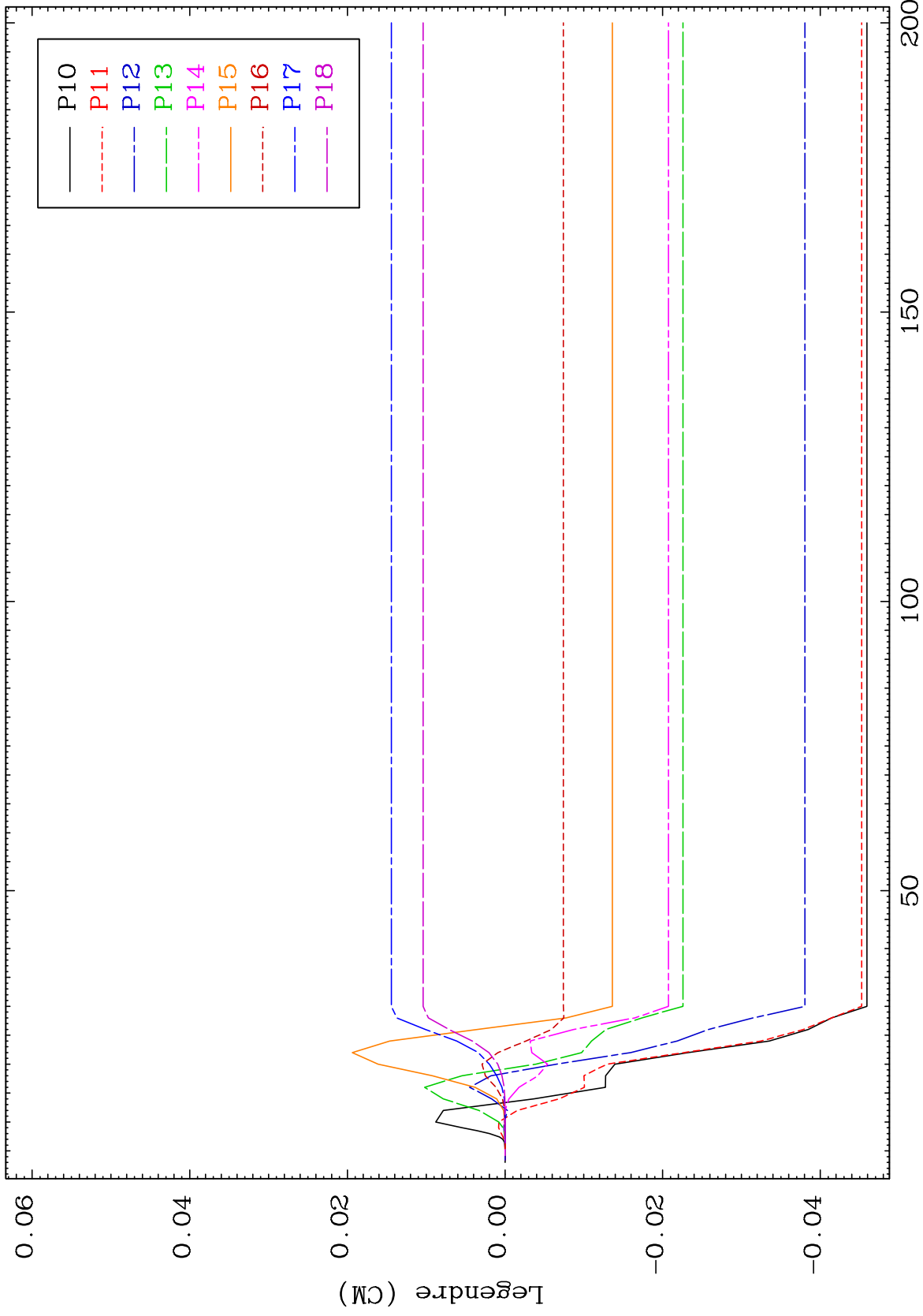
54-Xe-138



90

Incident Energy (MeV)

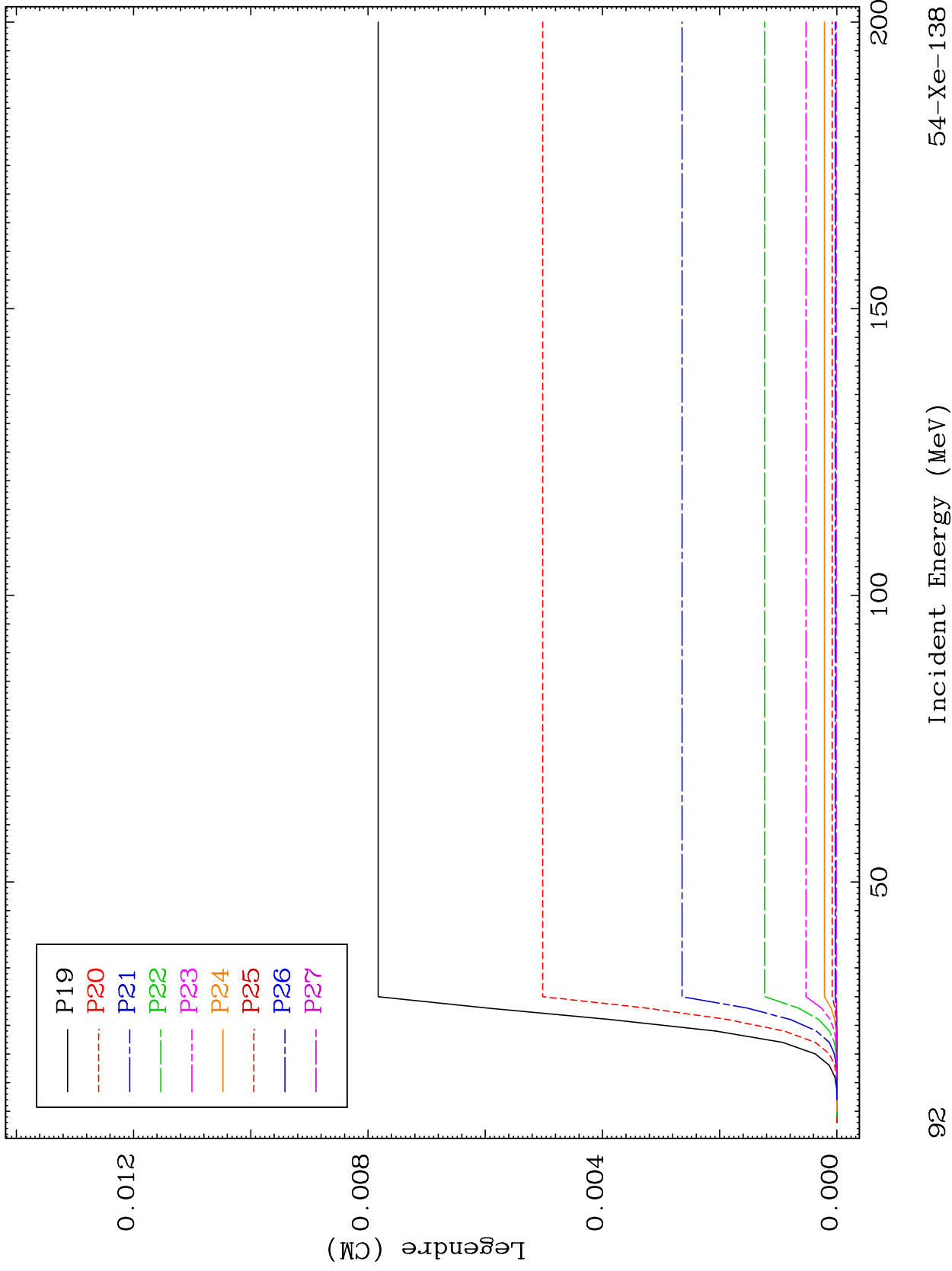
54-Xe-138



MAT 5467

2.544 MeV (n, n') Level
Legendre Coefficients

54-Xe-138



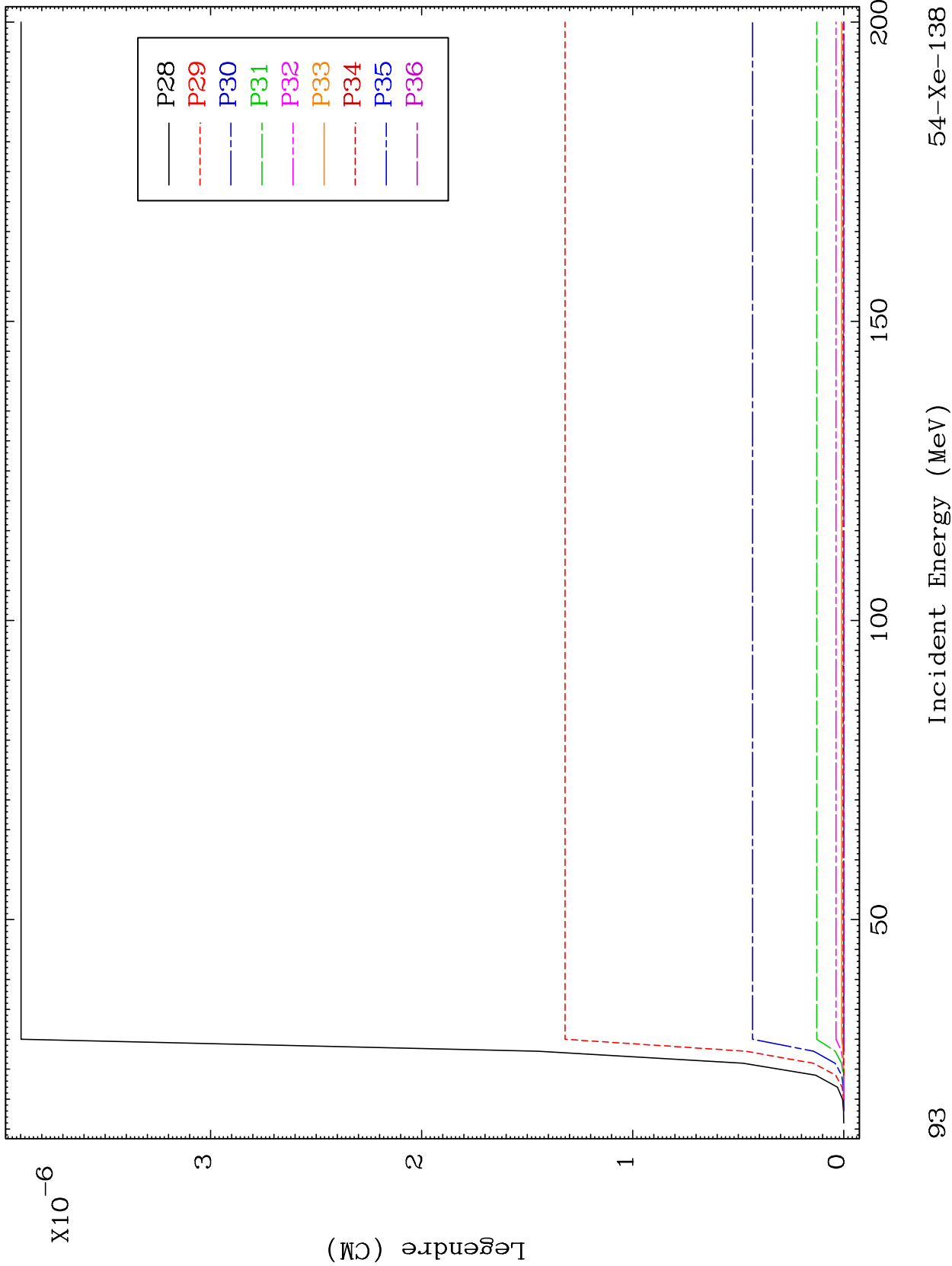
92

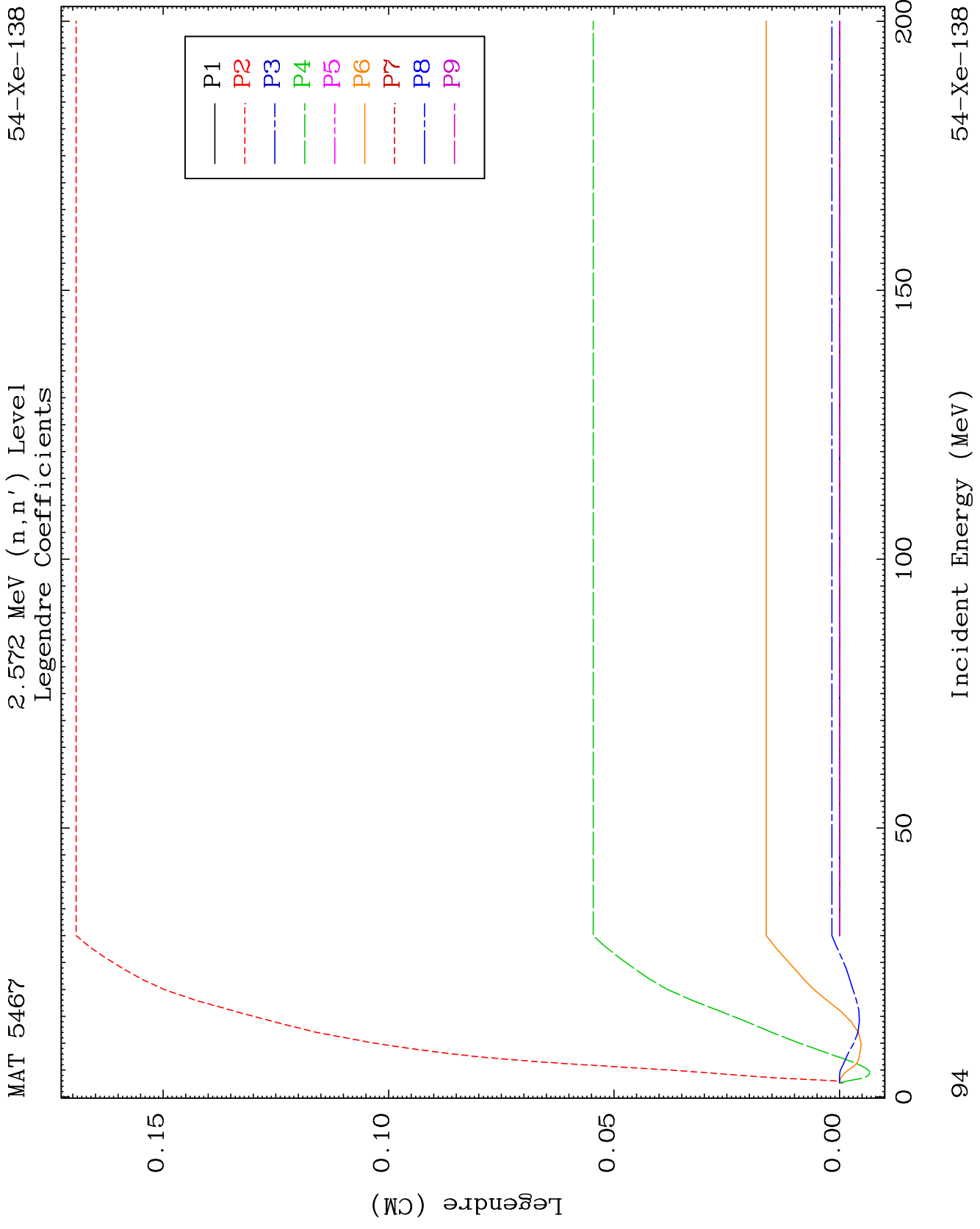
54-Xe-138

MAT 5467

2.544 MeV (n,n') Level
Legendre Coefficients

54-Xe-138

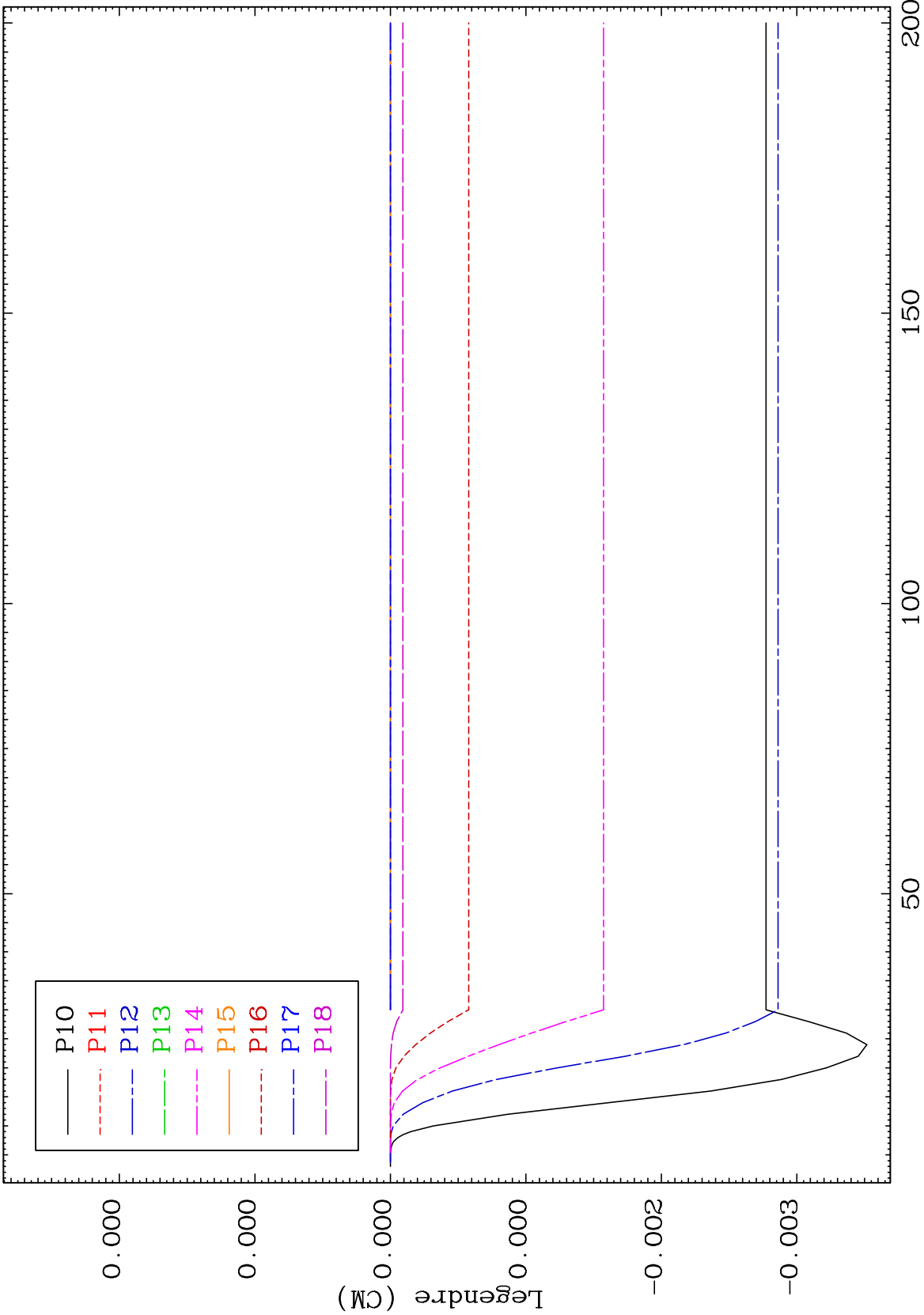




MAT 5467

2.572 MeV (n, n') Level
Legendre Coefficients

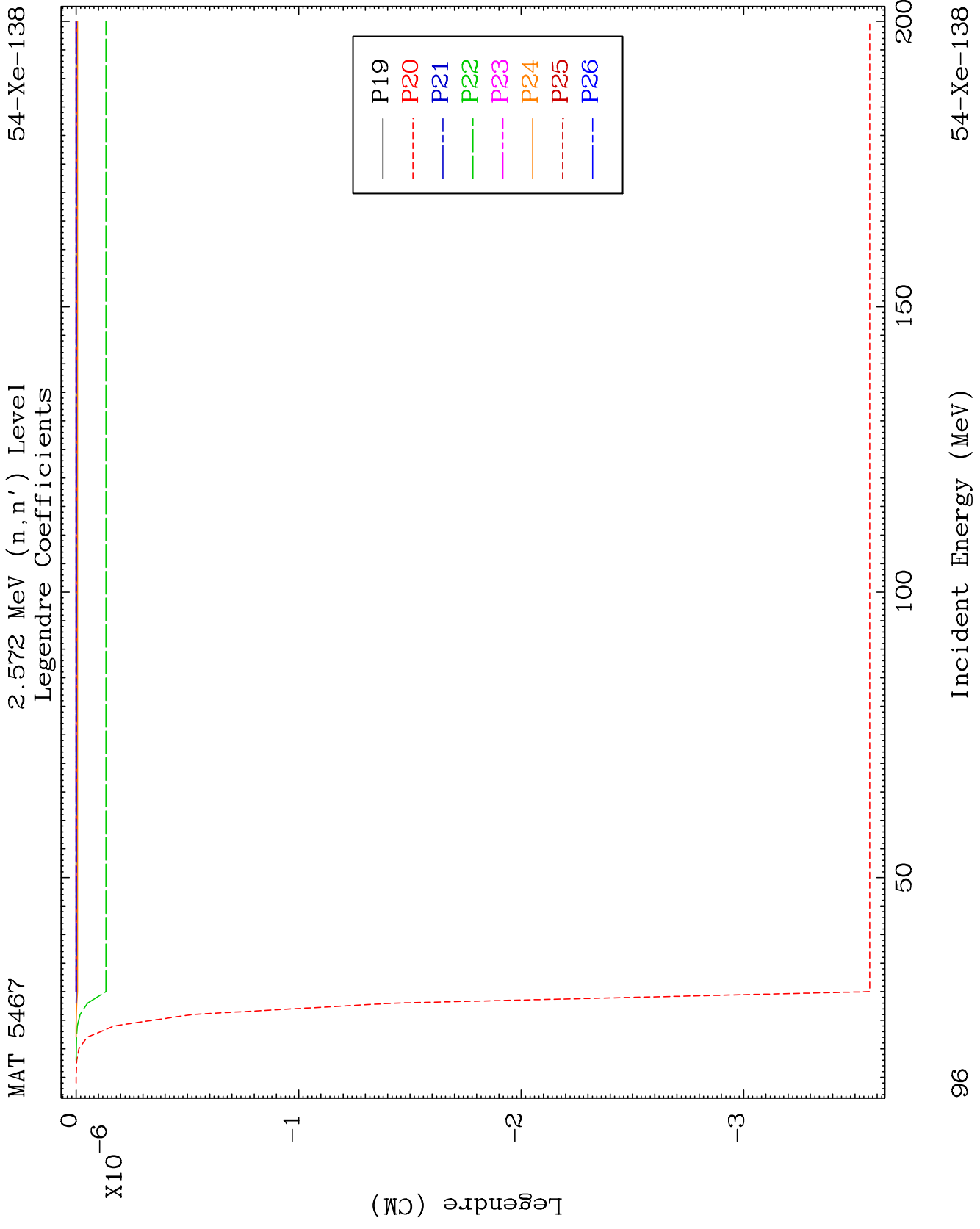
54-Xe-138

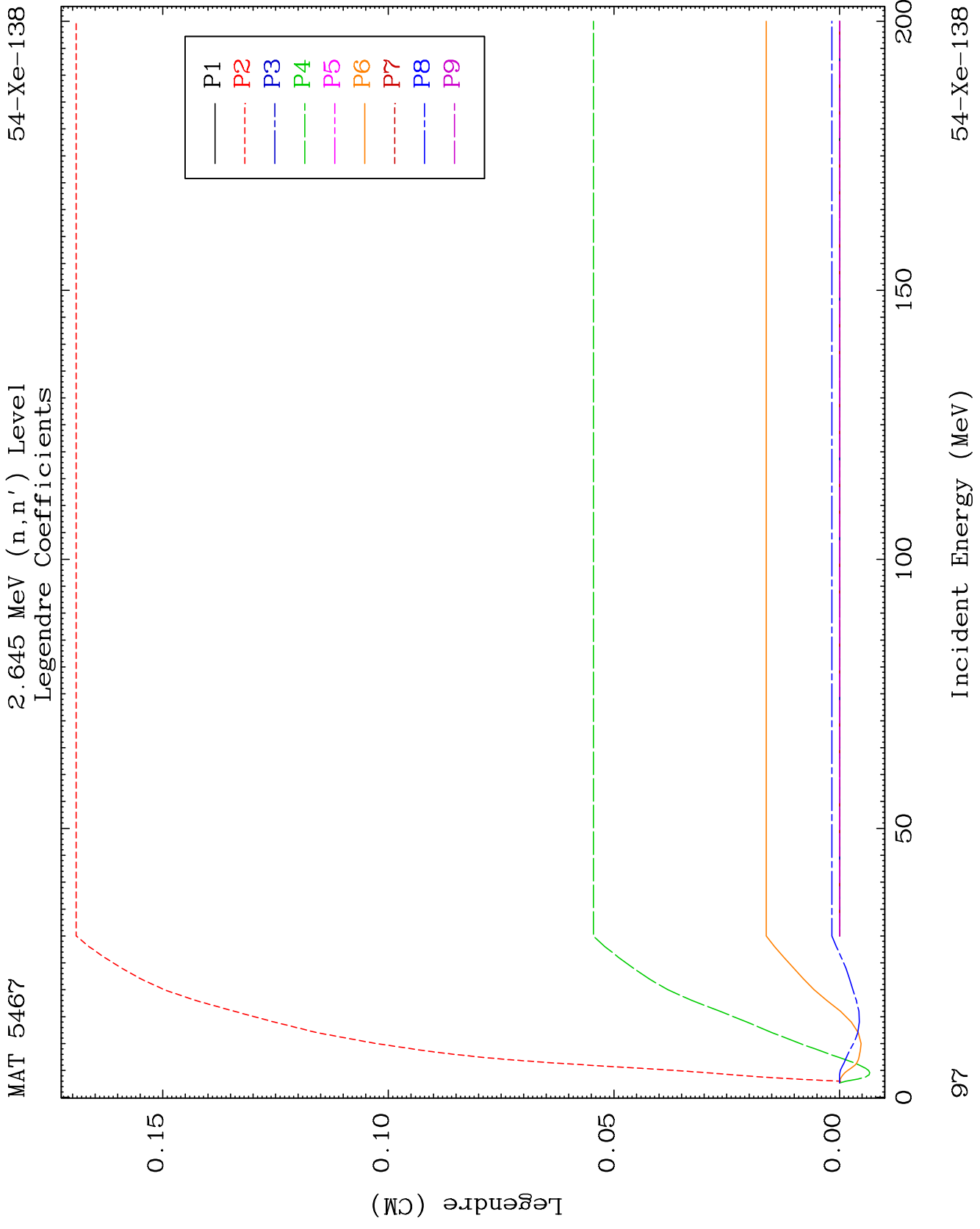


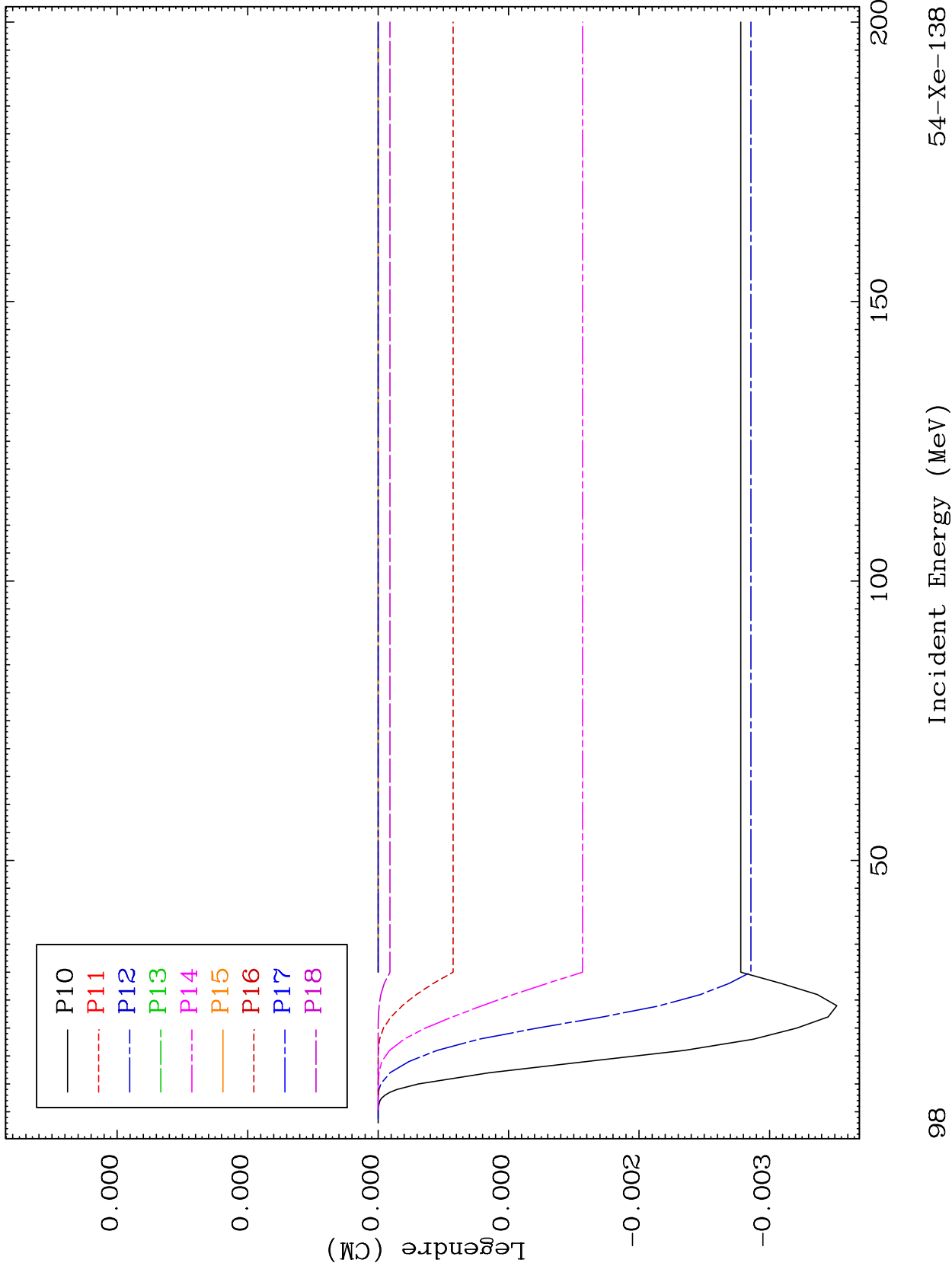
95

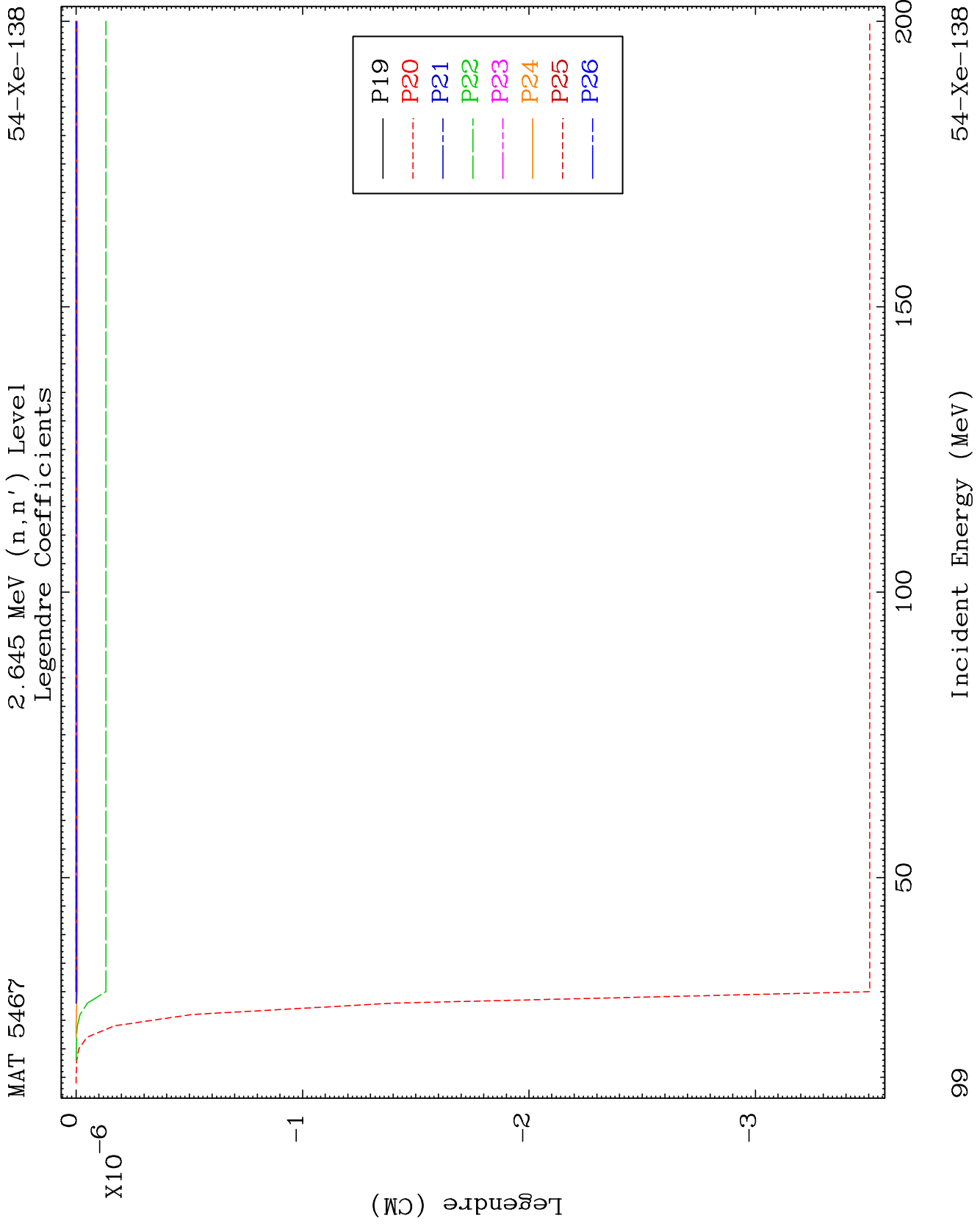
Incident Energy (MeV)

54-Xe-138









MAT 5467

2.655 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



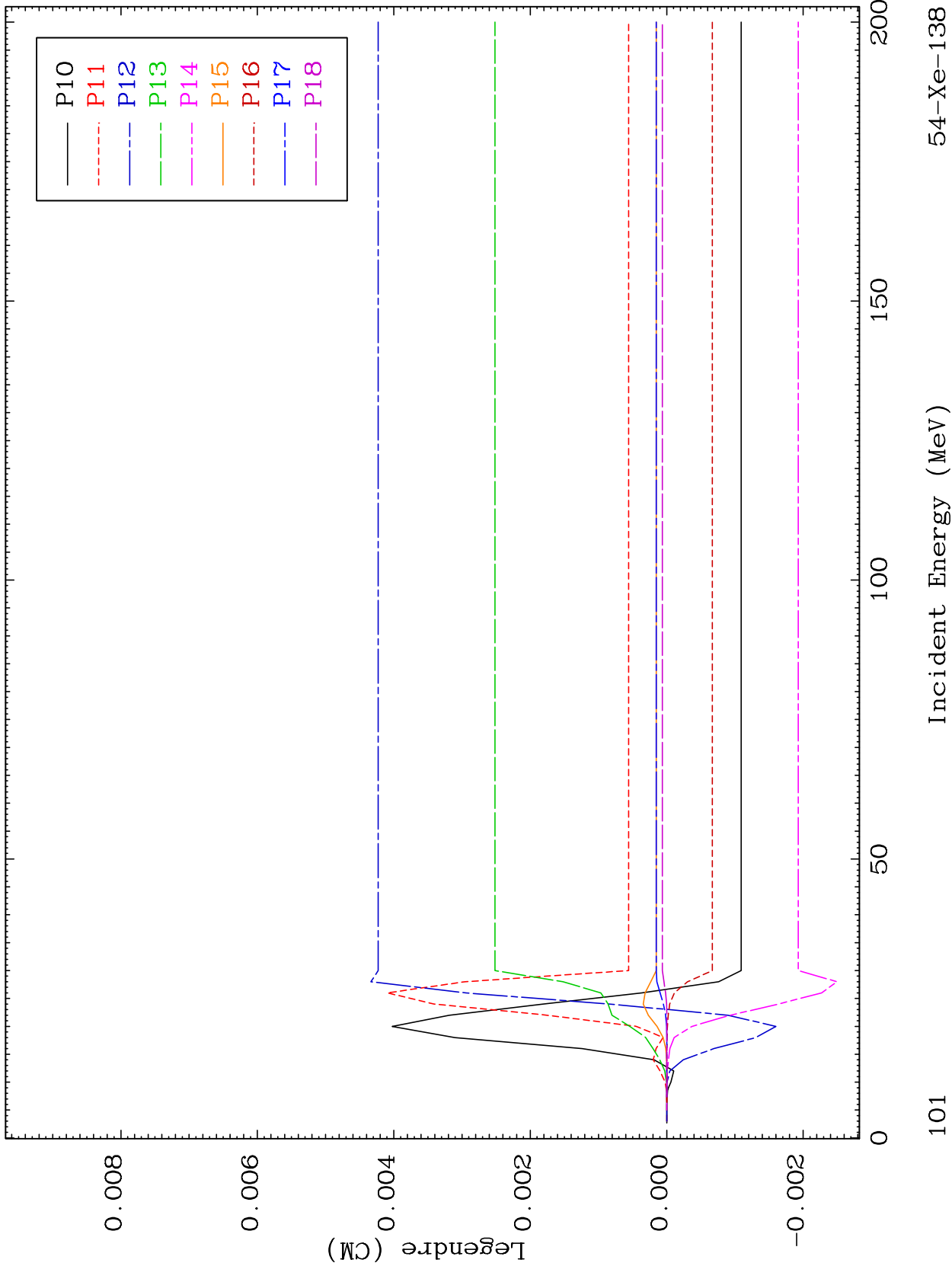
54-Xe-138

Incident Energy (MeV)

MAT 5467

2.655 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



54-Xe-138

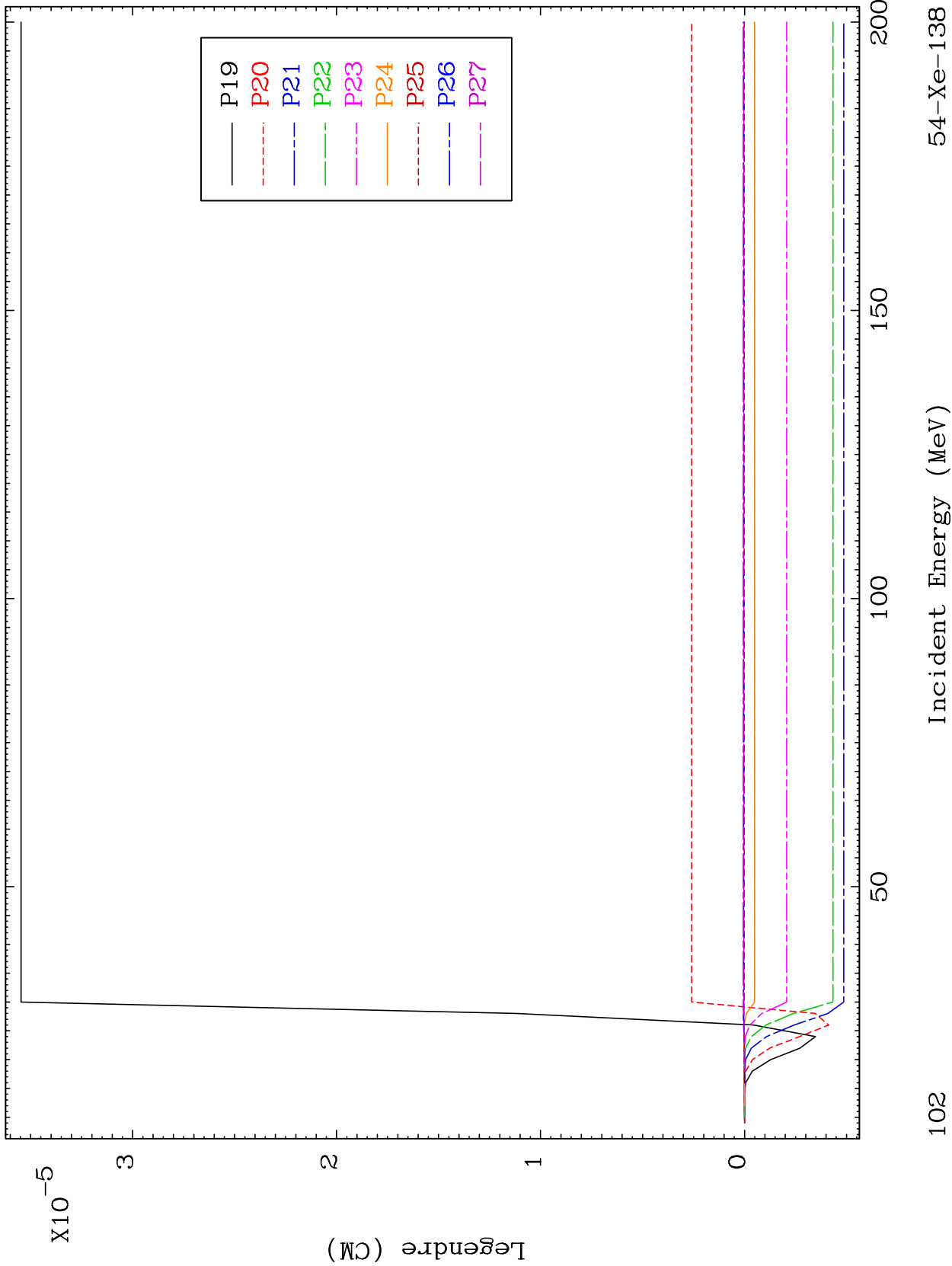
Incident Energy (MeV)

101

MAT 5467

2.655 MeV (n,n') Level
Legendre Coefficients

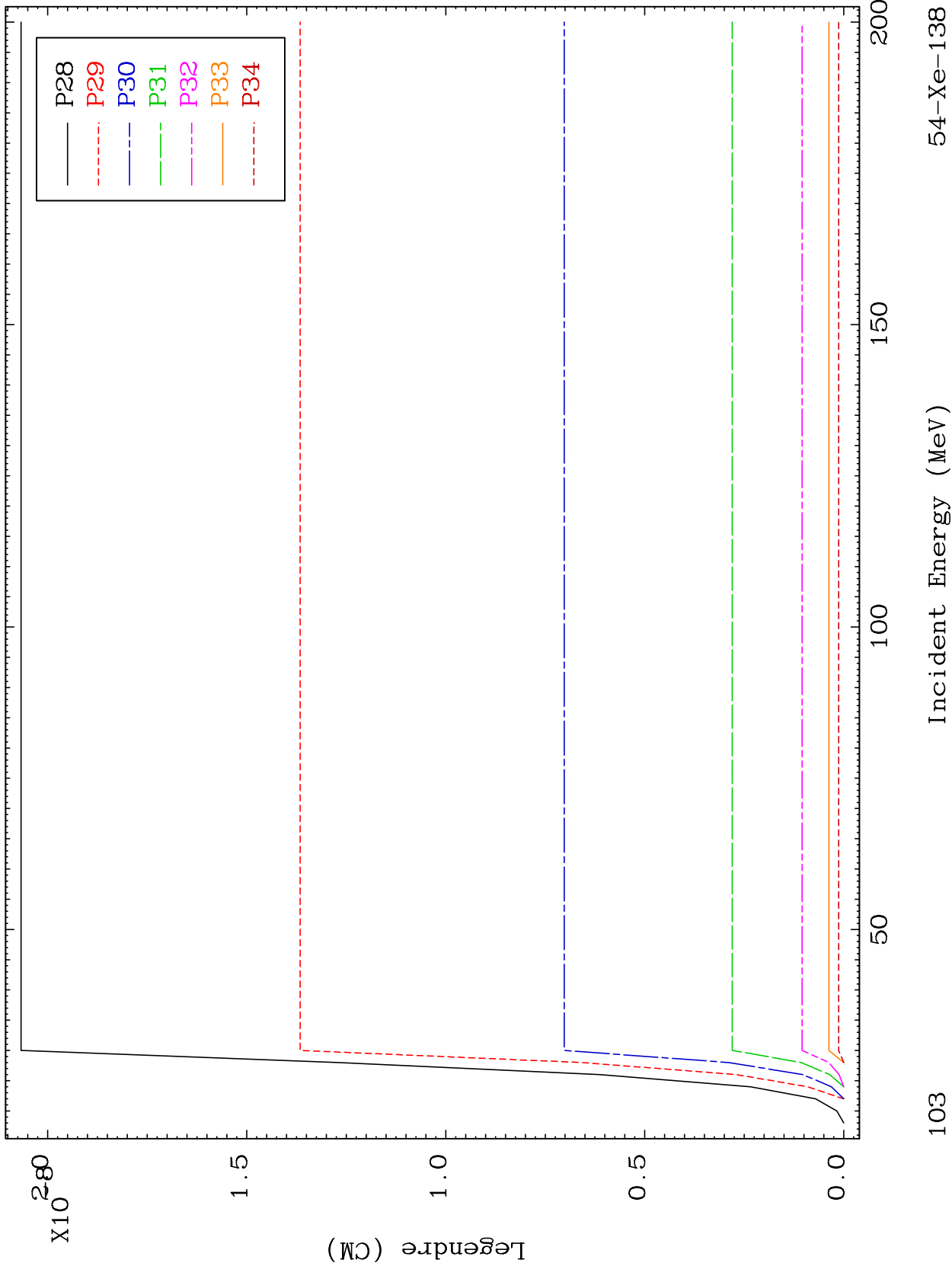
54-Xe-138



MAT 5467

2.655 MeV (n,n') Level
Legendre Coefficients

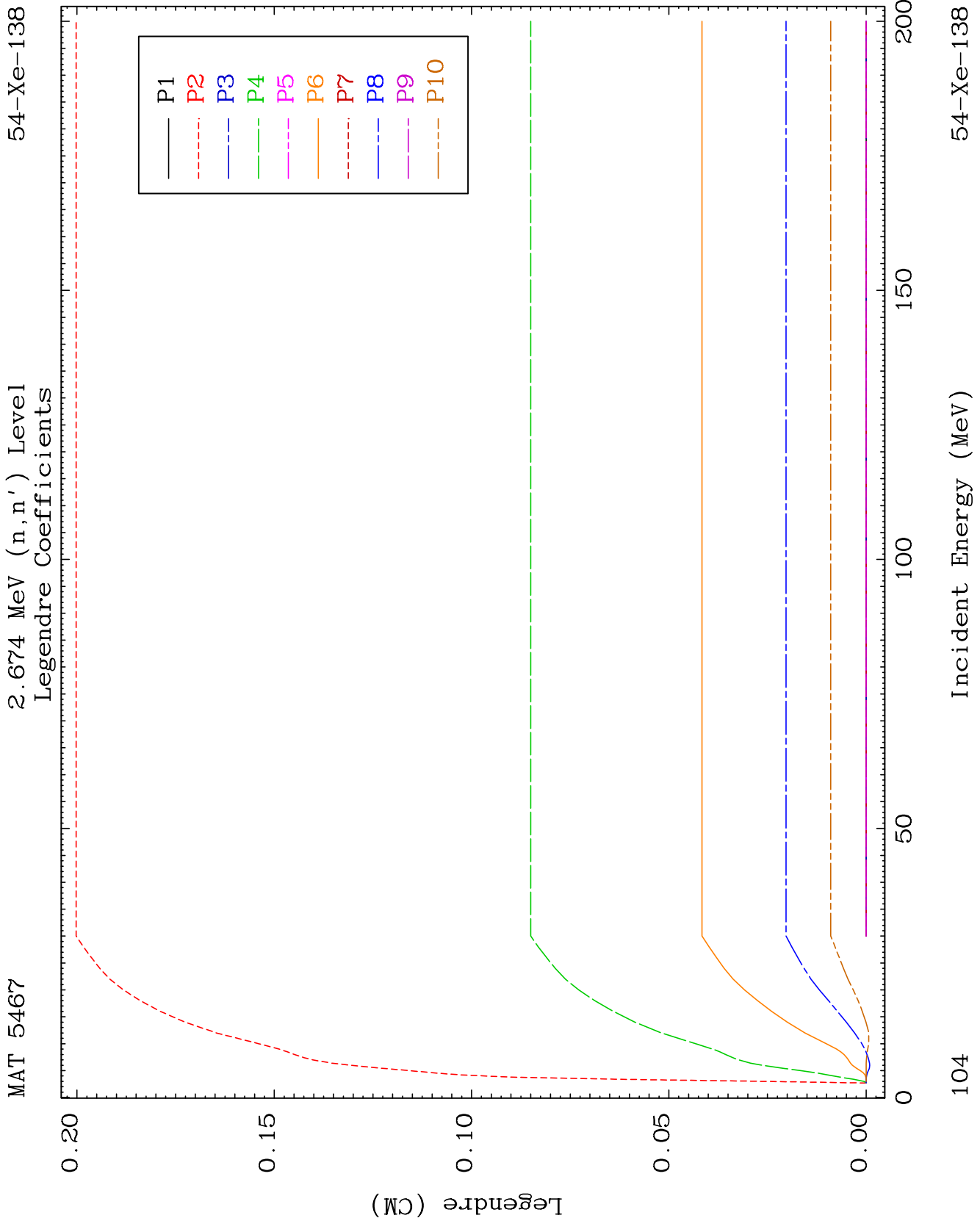
54-Xe-138

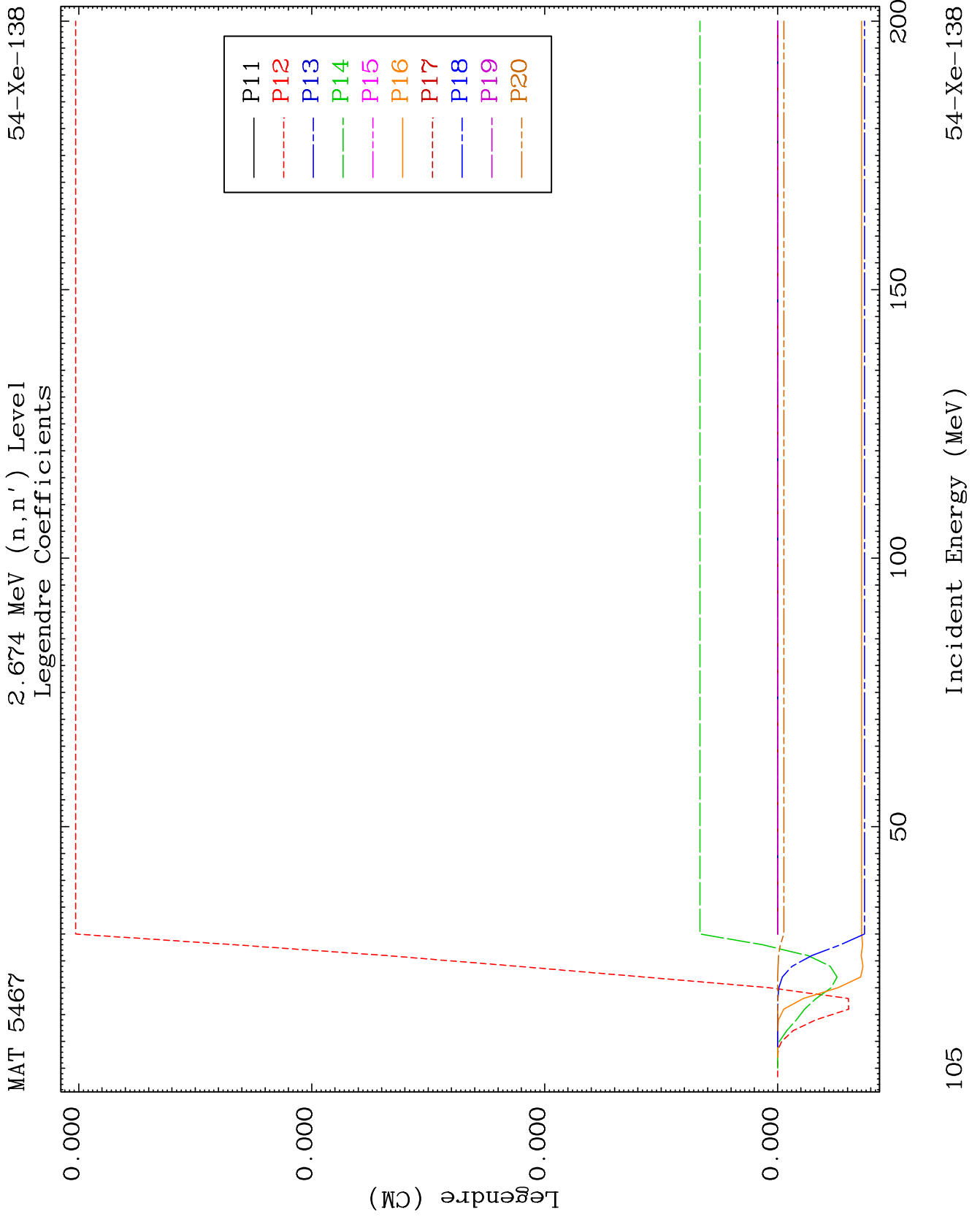


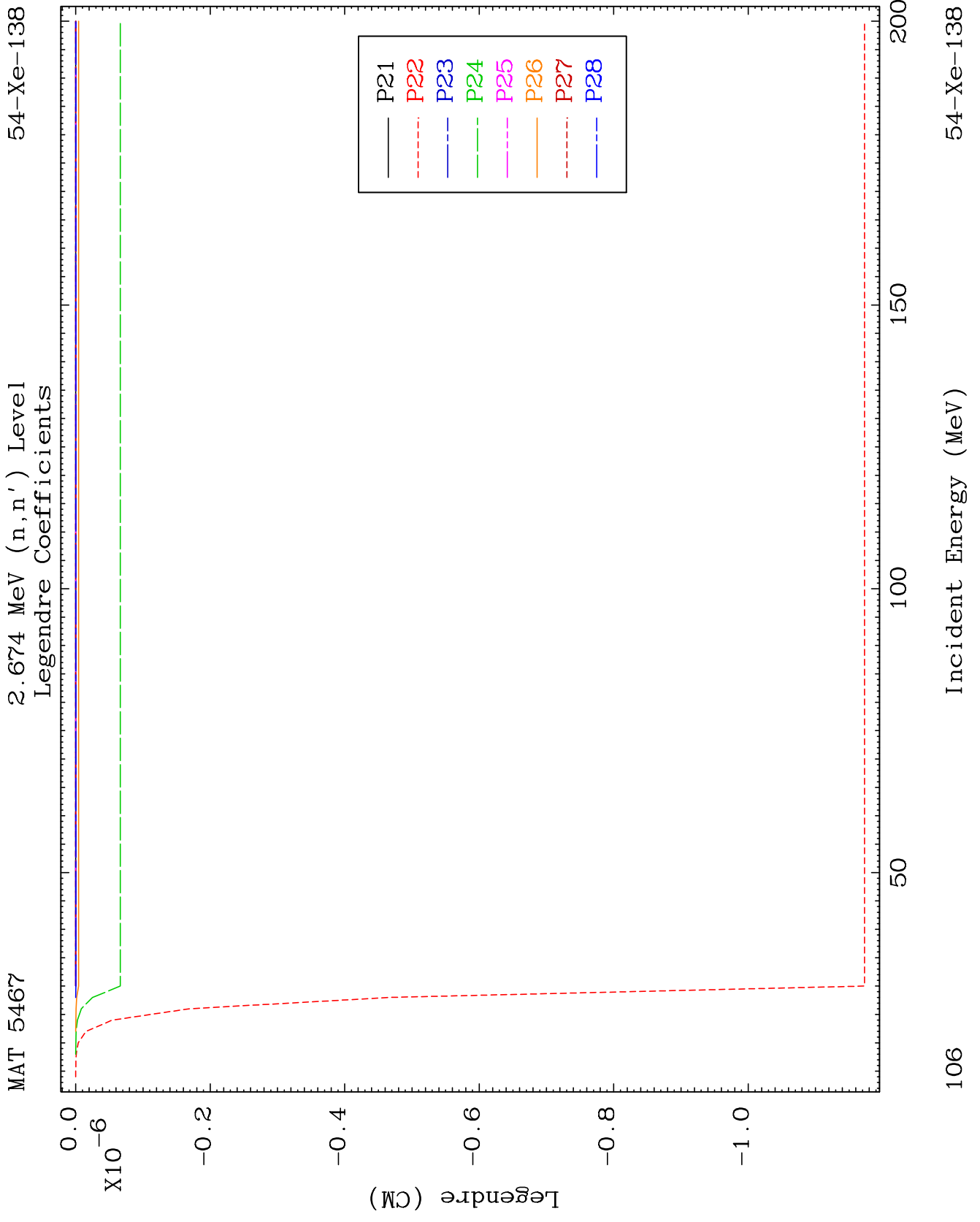
103

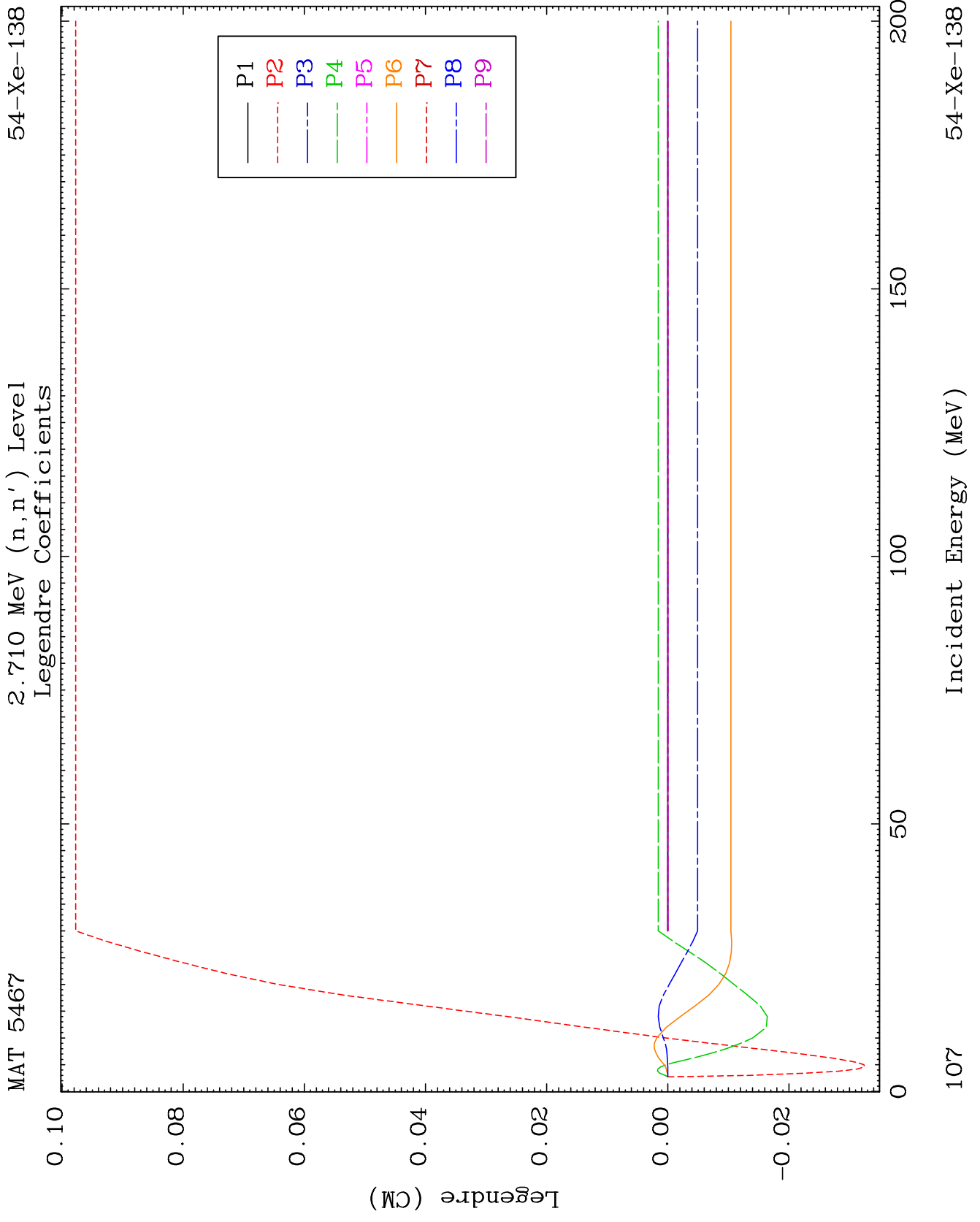
Incident Energy (MeV)

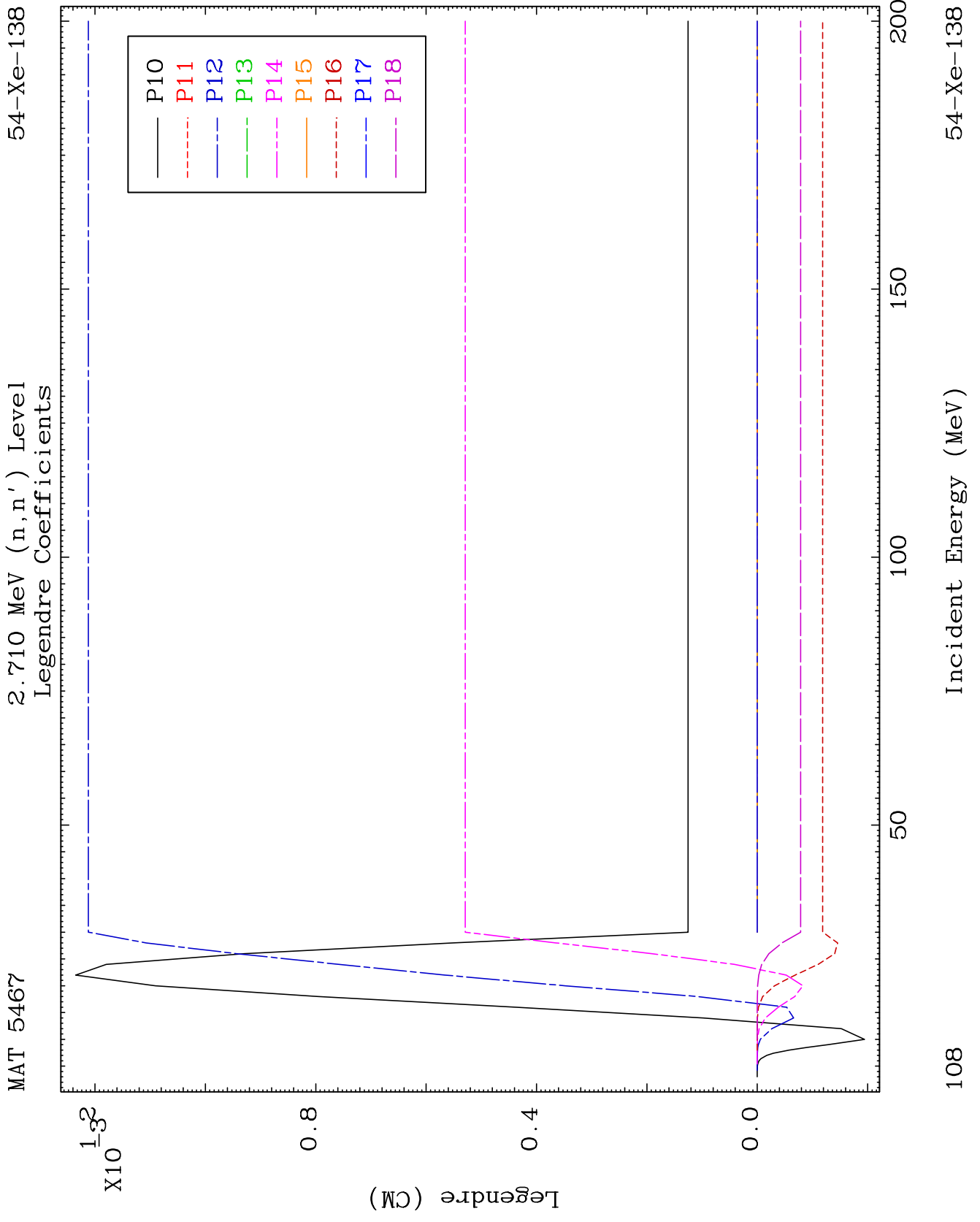
54-Xe-138

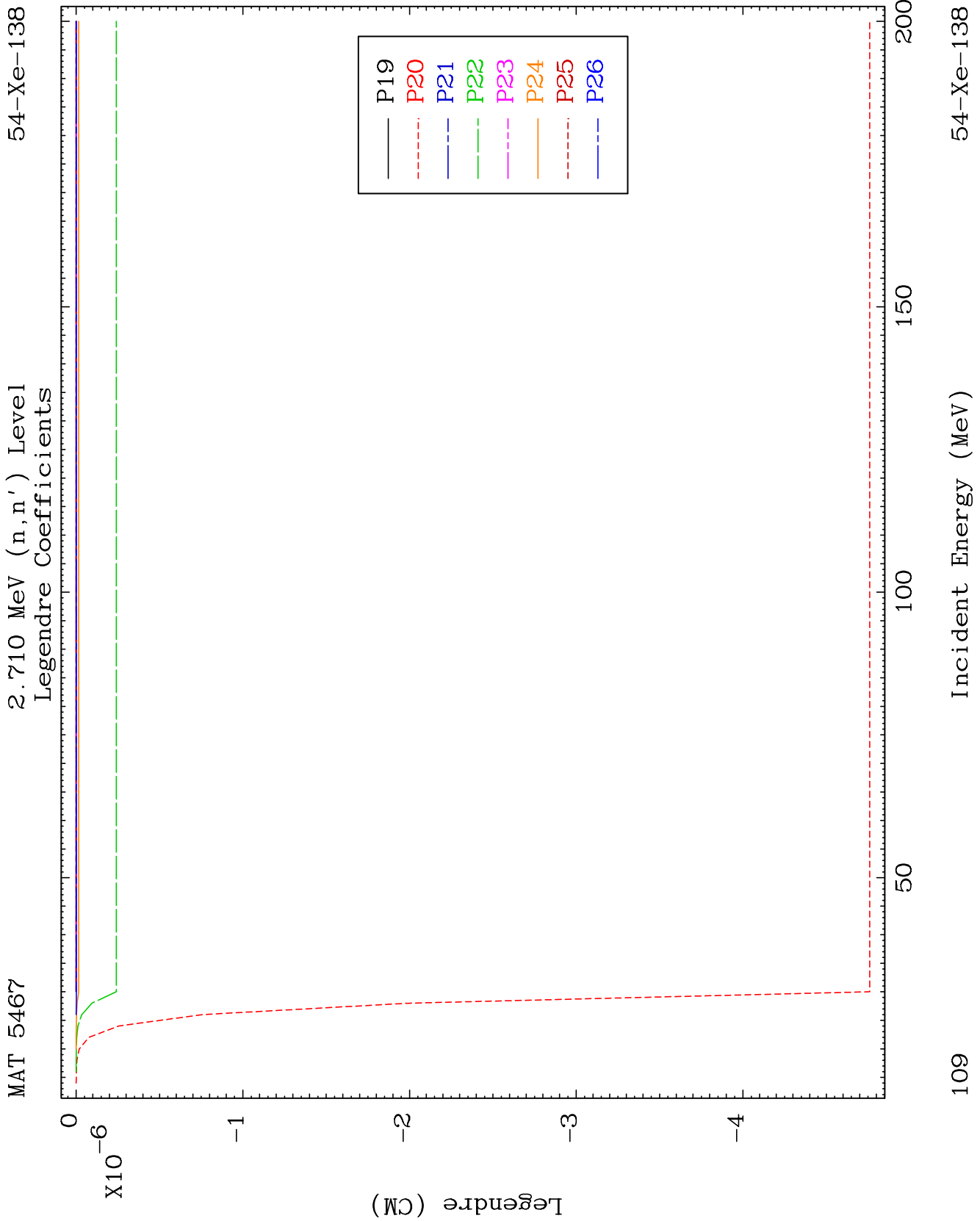








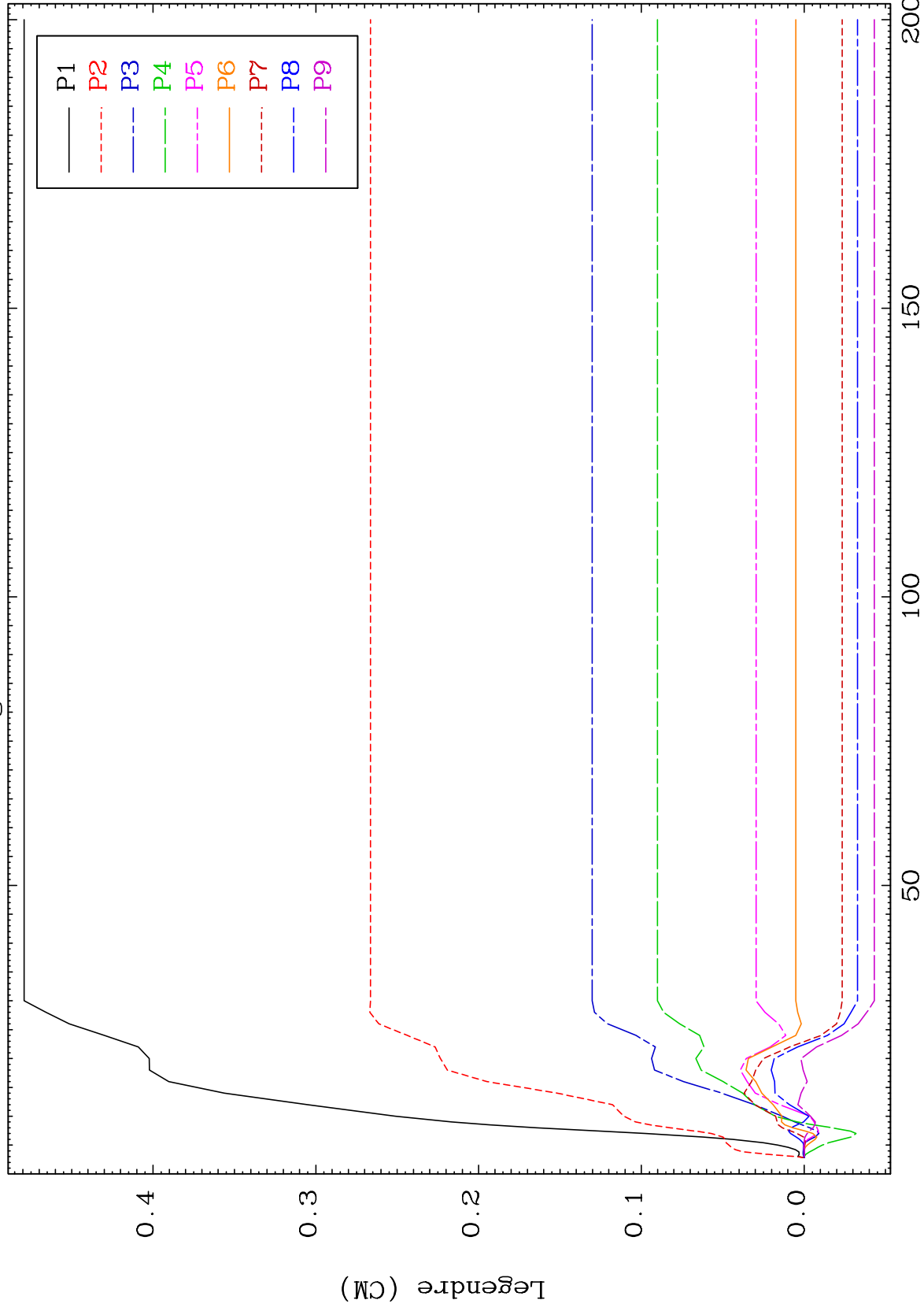




MAT 5467

2.794 MeV (n,n') Level
Legendre Coefficients

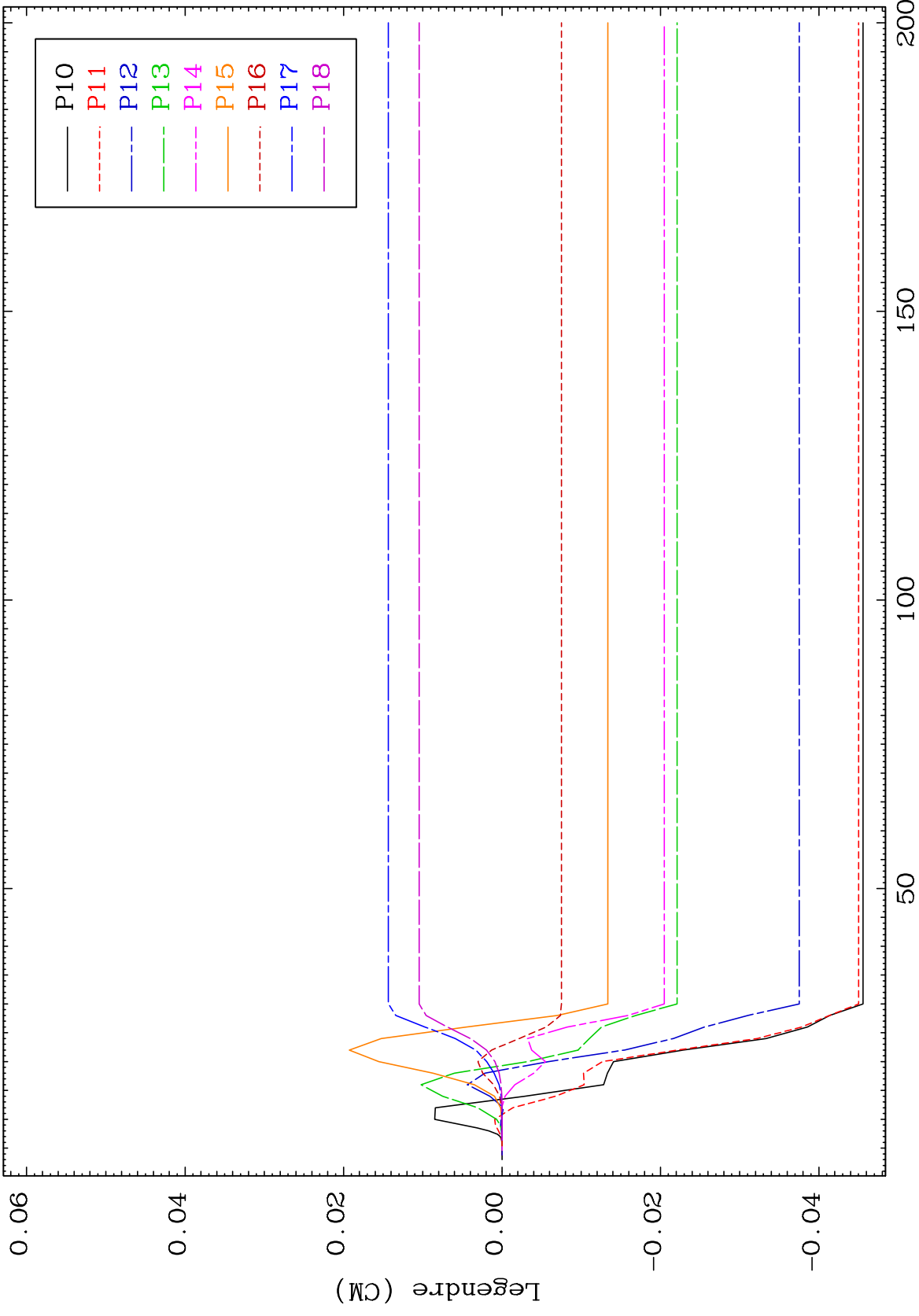
54-Xe-138



110

Incident Energy (MeV)

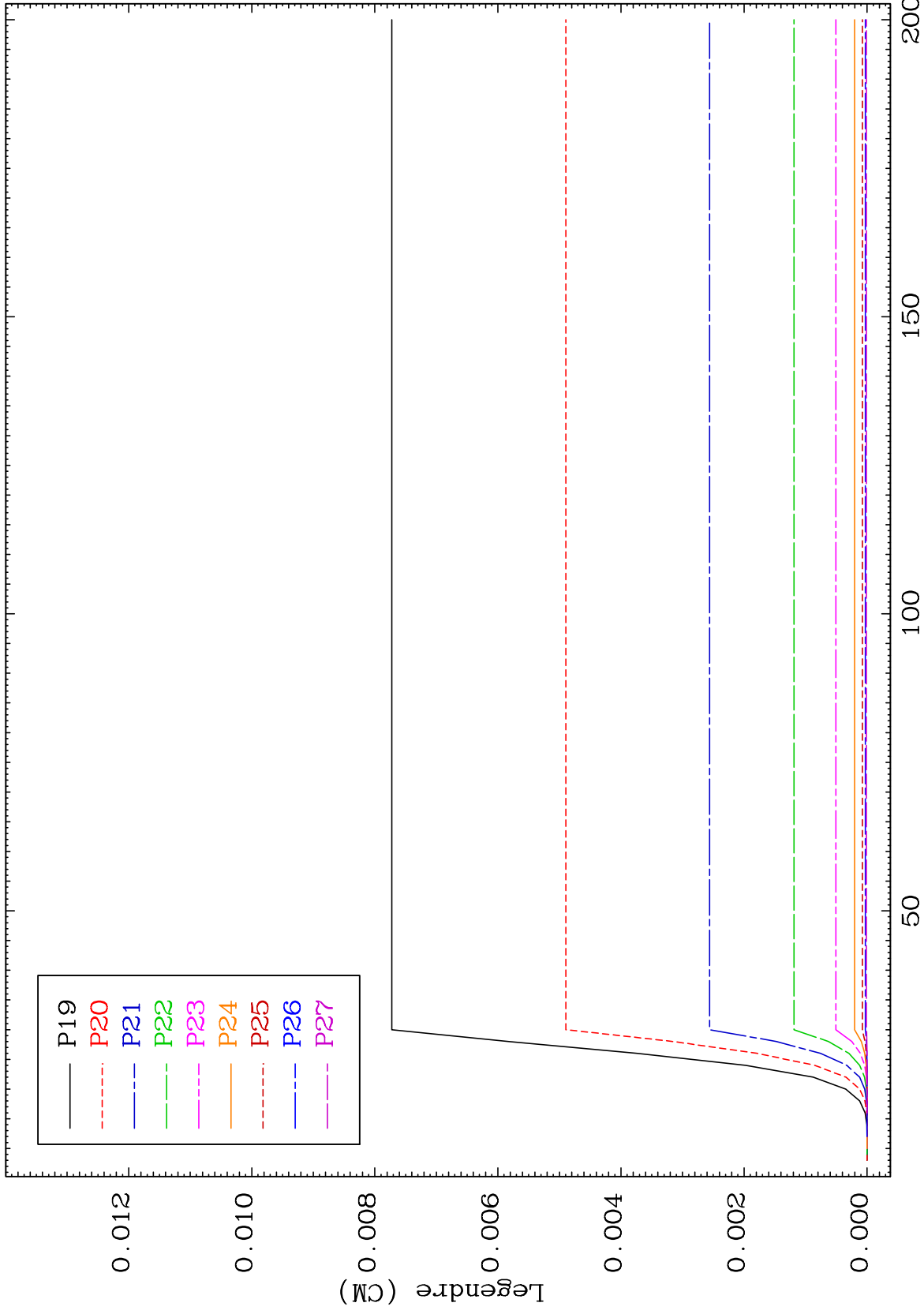
54-Xe-138



MAT 5467

2.794 MeV (n, n') Level
Legendre Coefficients

54-Xe-138



112

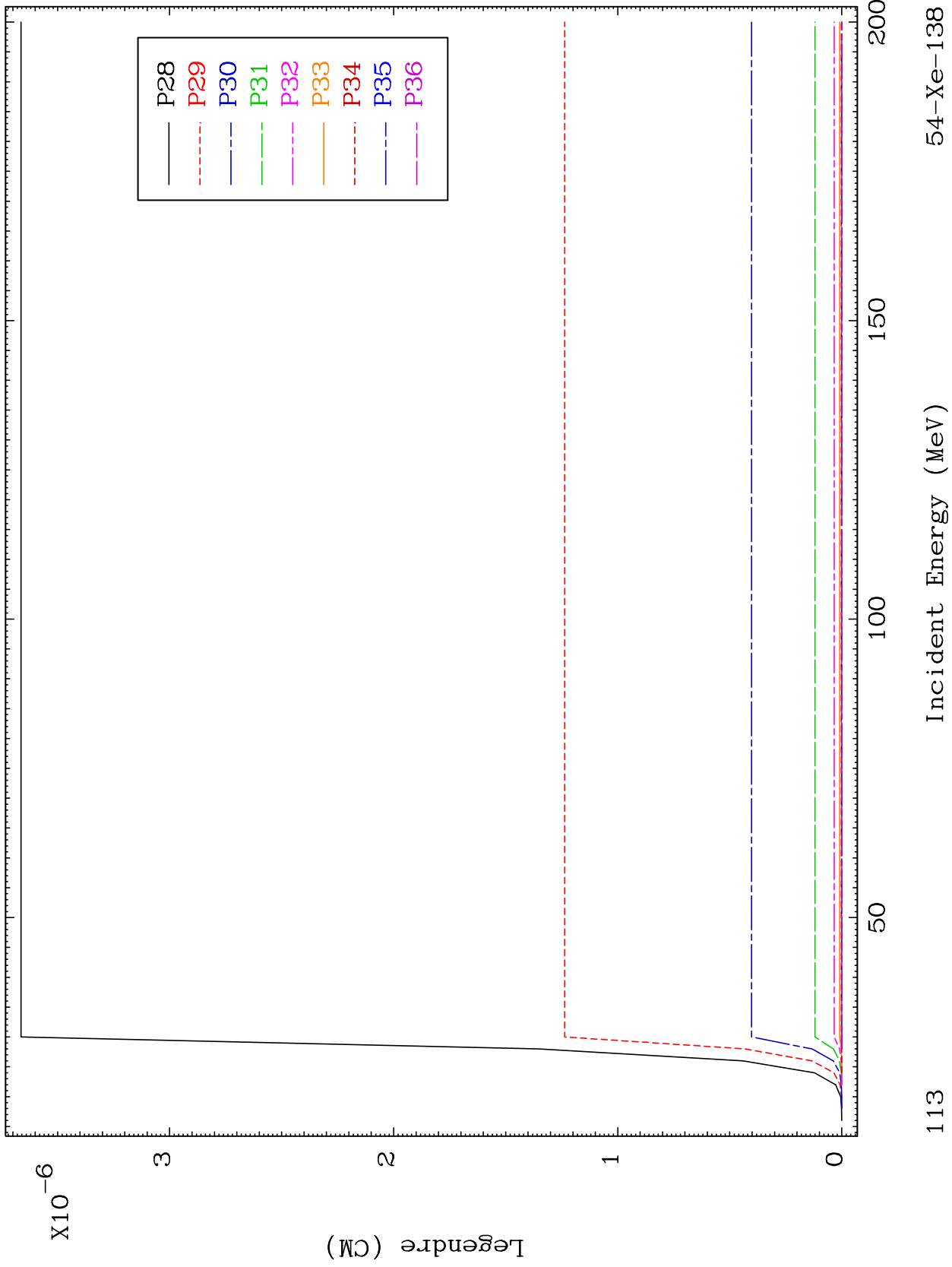
Incident Energy (MeV)

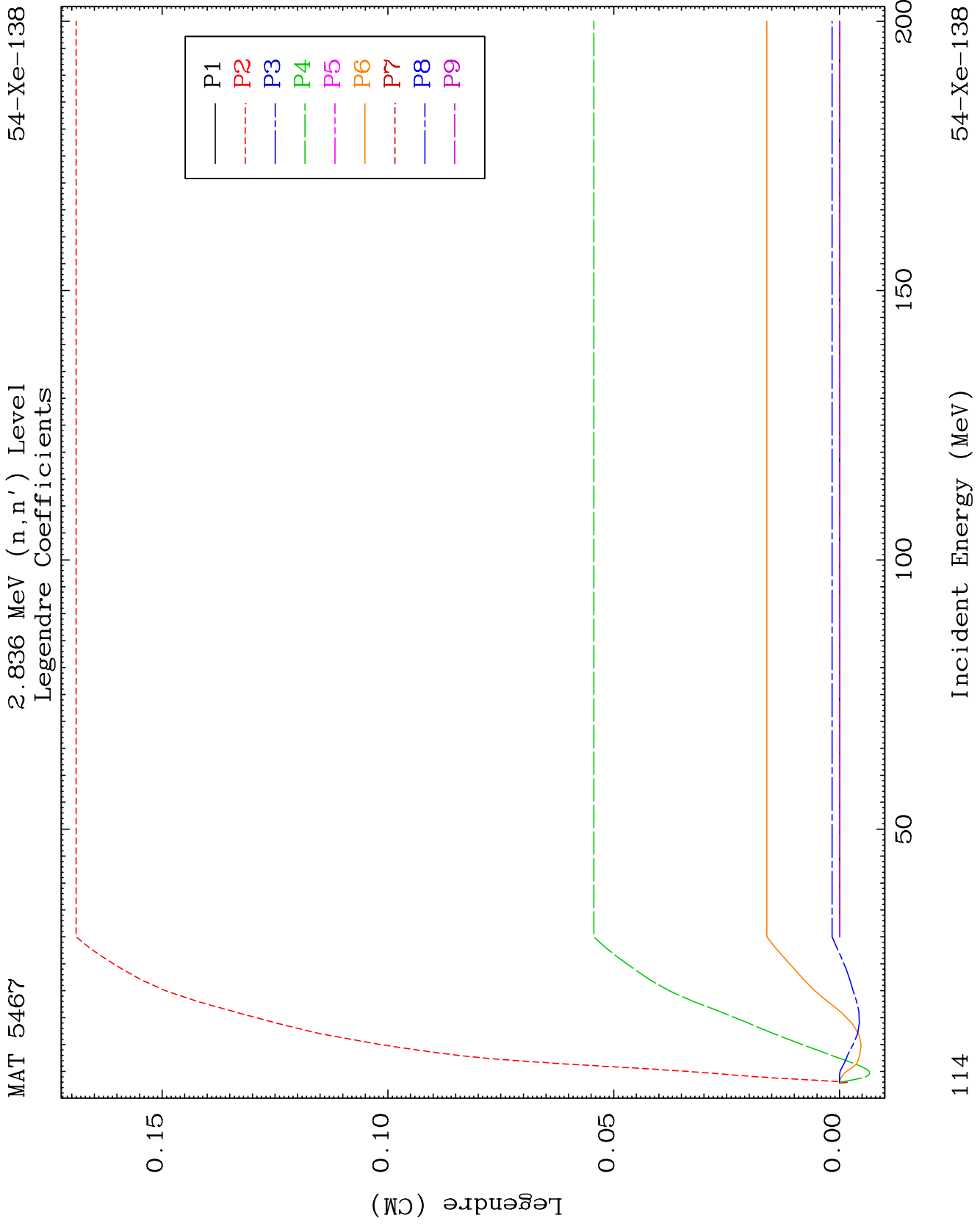
54-Xe-138

MAT 5467

2.794 MeV (n,n') Level
Legendre Coefficients

54-Xe-138

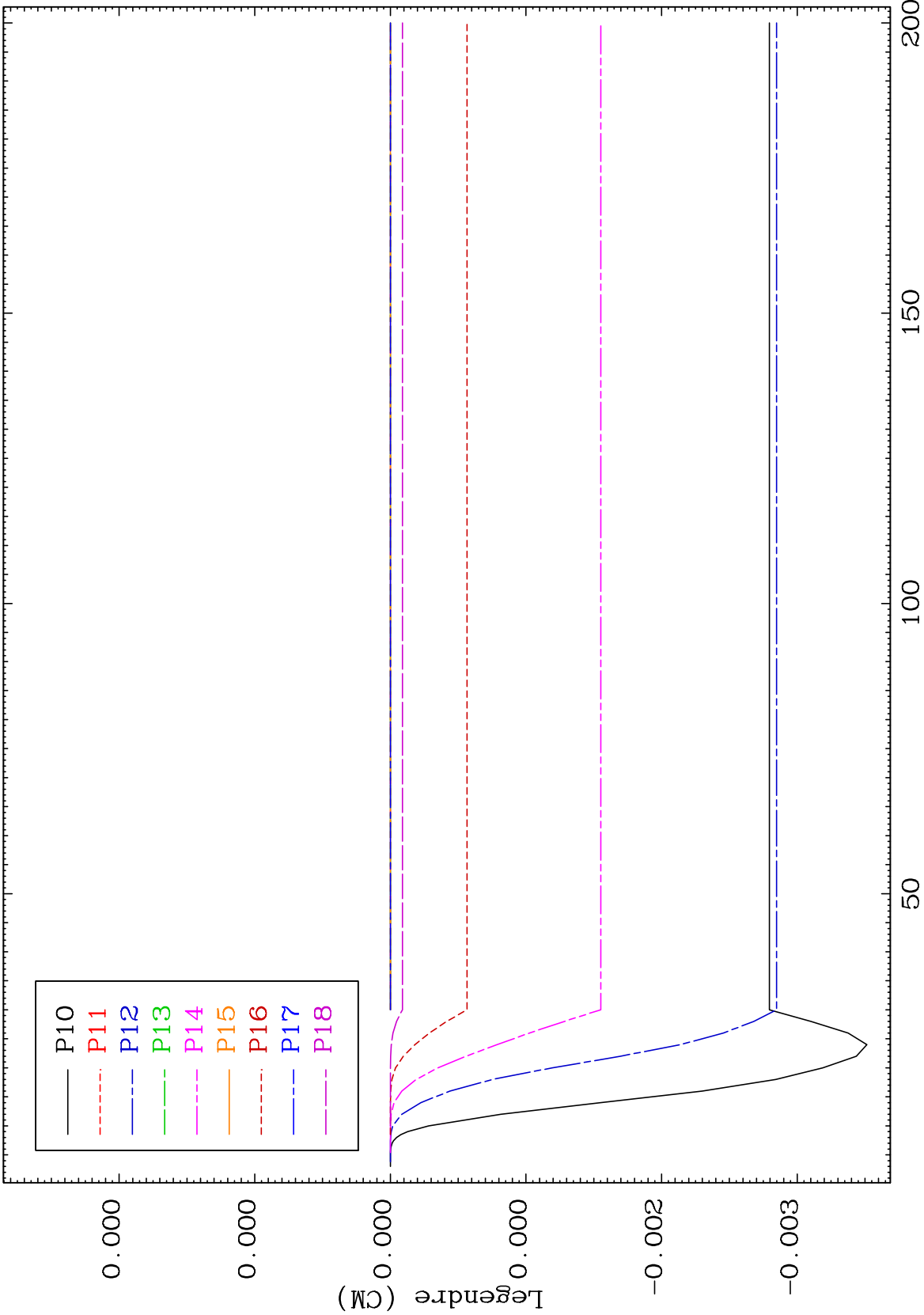




MAT 5467

2.836 MeV (n, n') Level
Legendre Coefficients

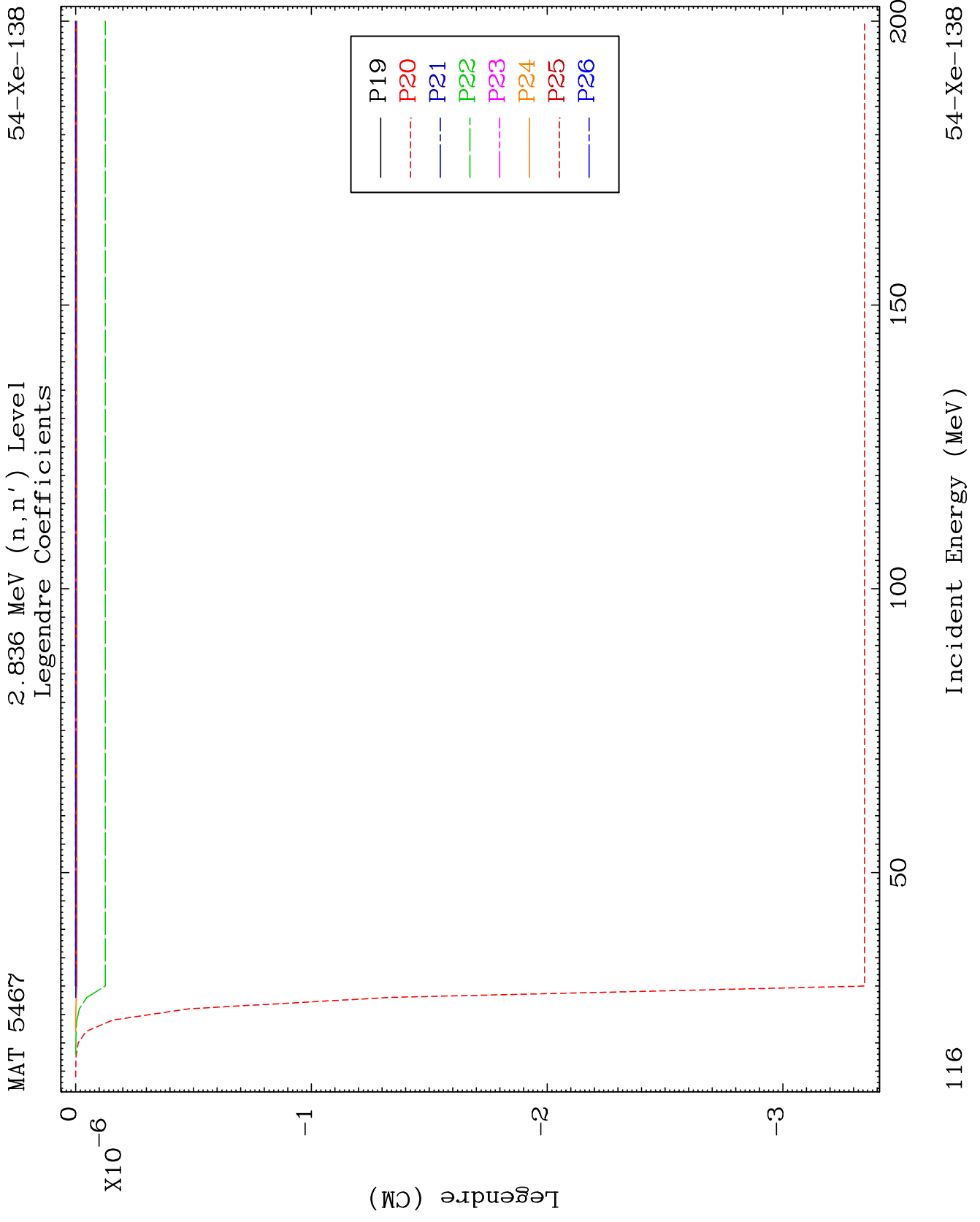
54-Xe-138



115

Incident Energy (MeV)

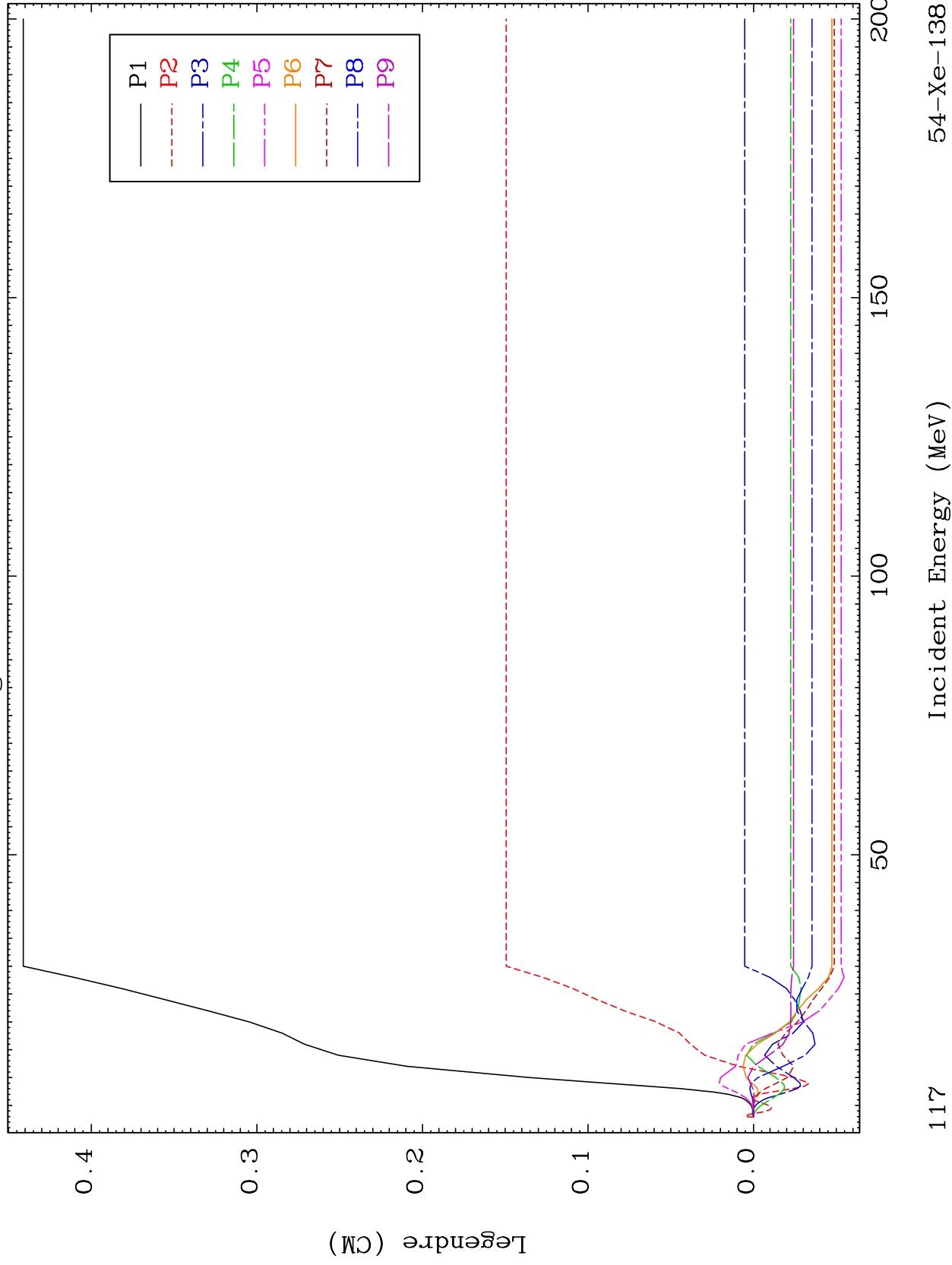
54-Xe-138



MAT 5467

2.890 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



117

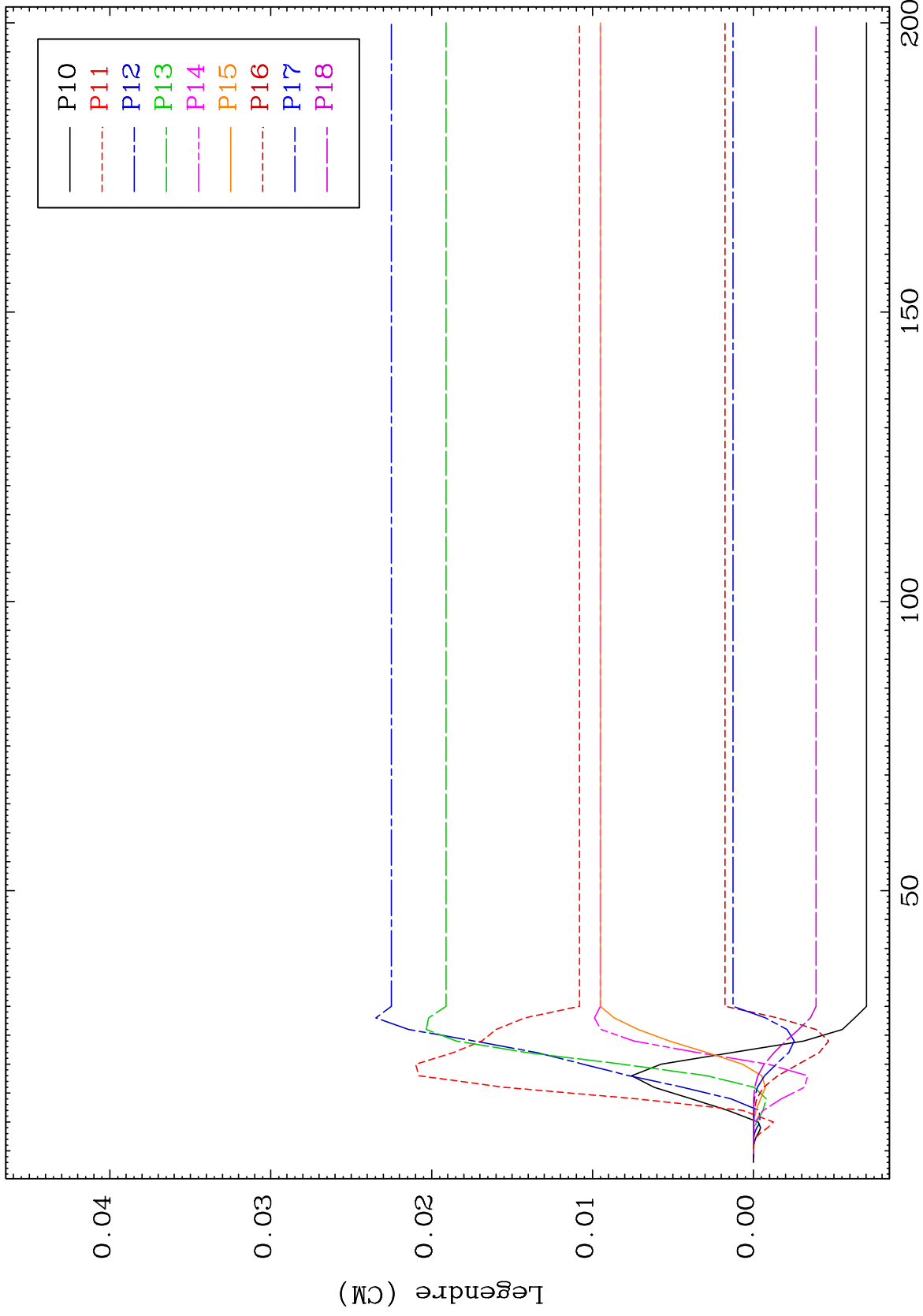
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.890 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



118

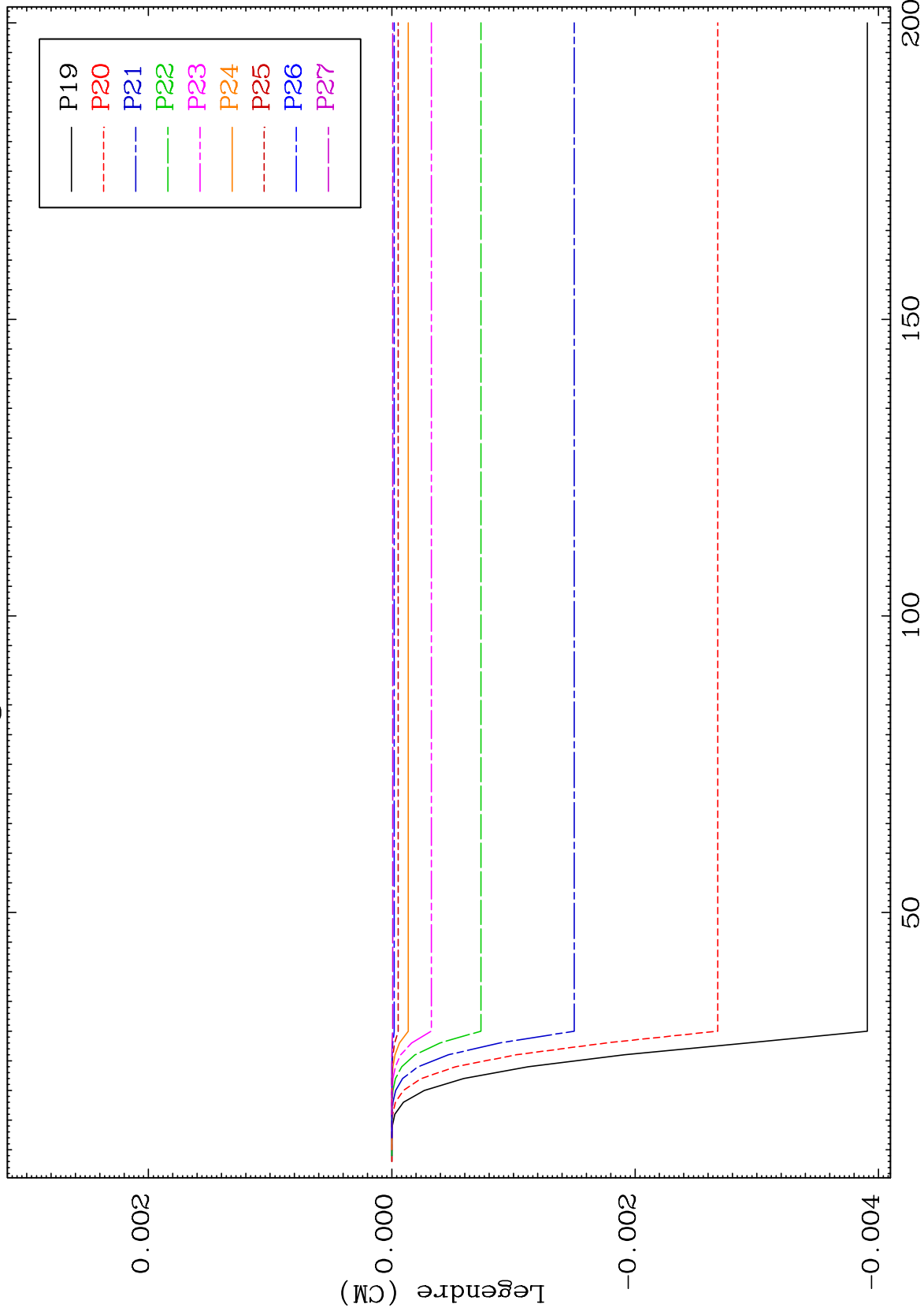
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.890 MeV (n,n') Level
Legendre Coefficients

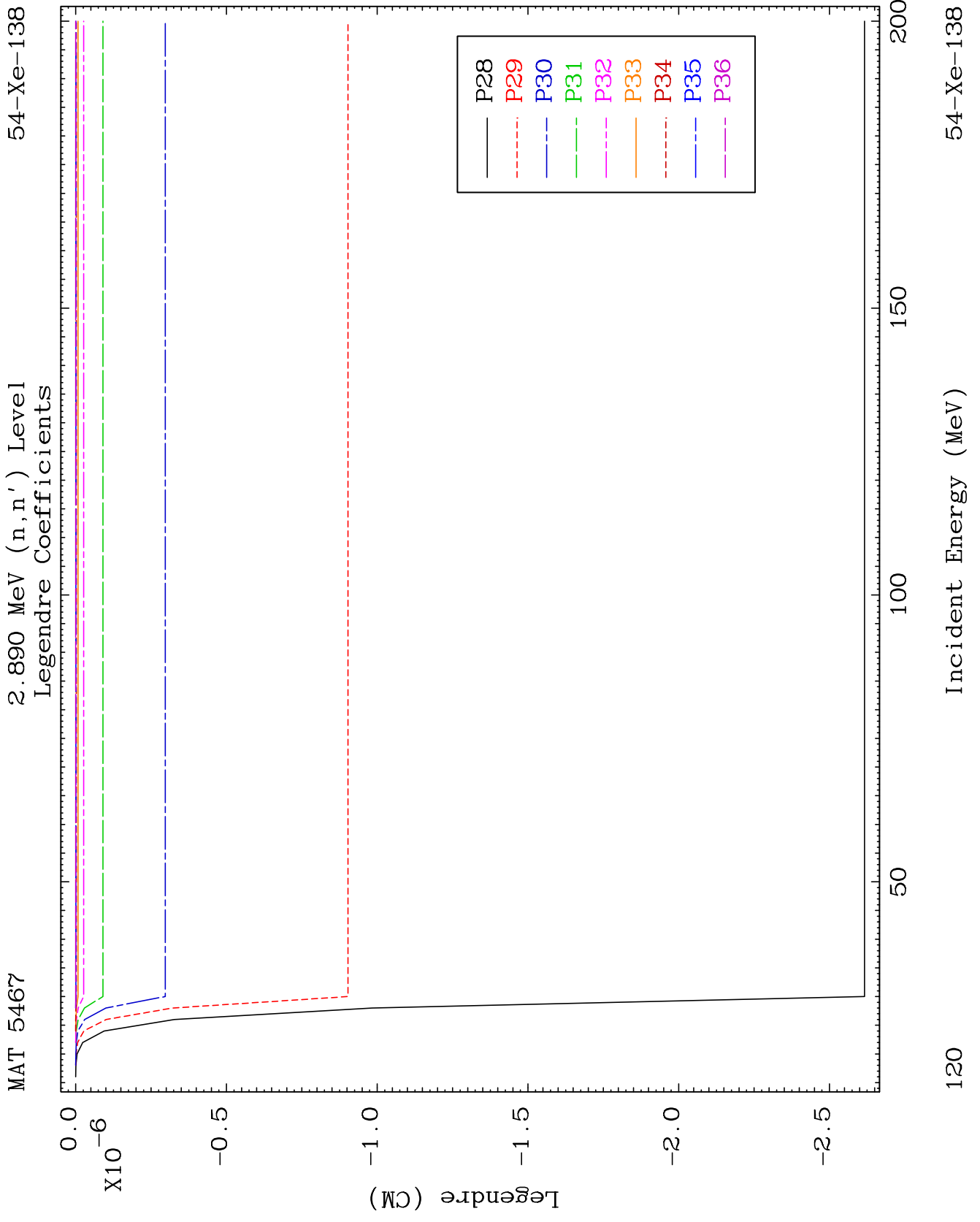
54-Xe-138



119

Incident Energy (MeV)

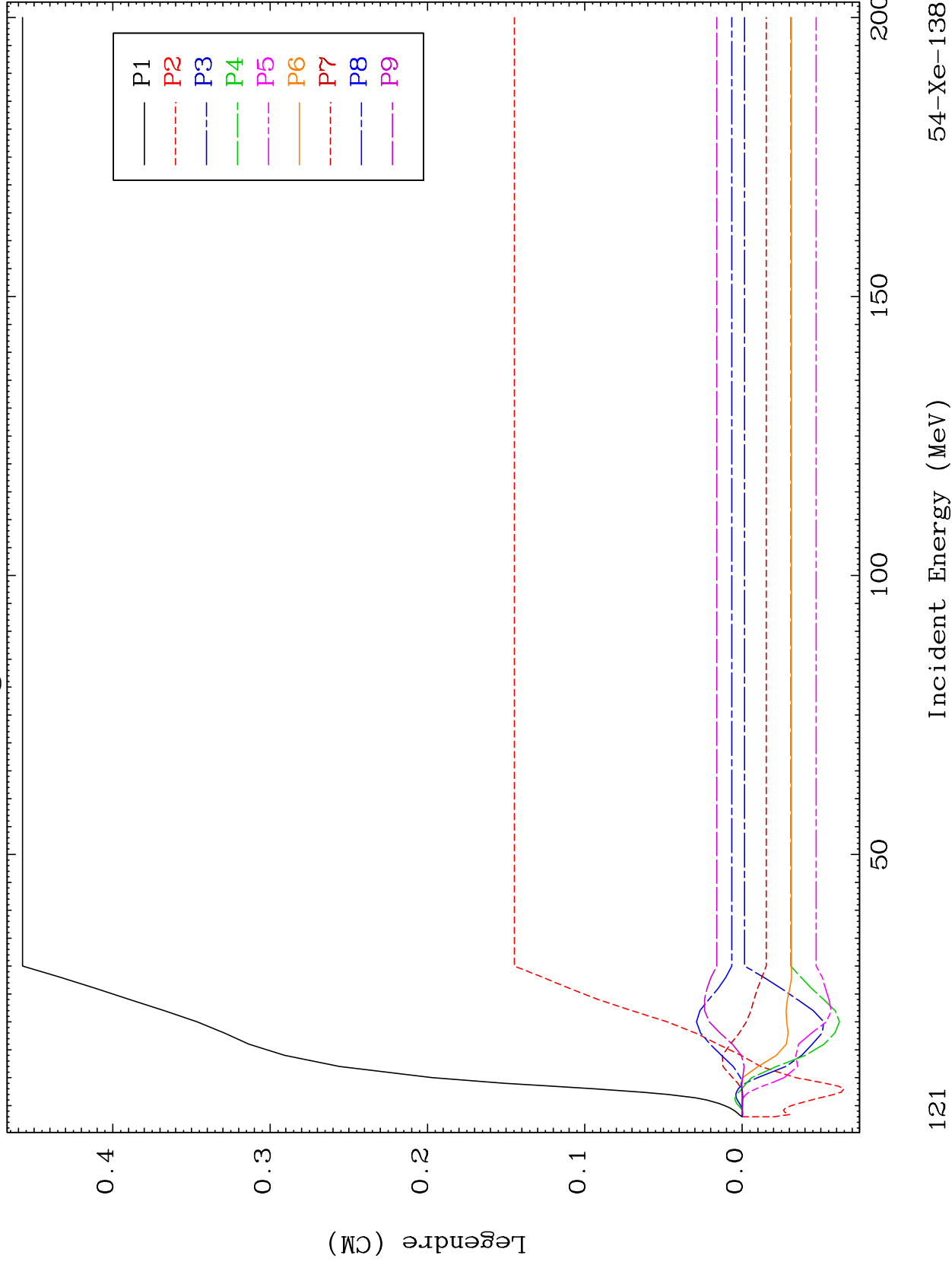
54-Xe-138



MAT 5467

2.953 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



121

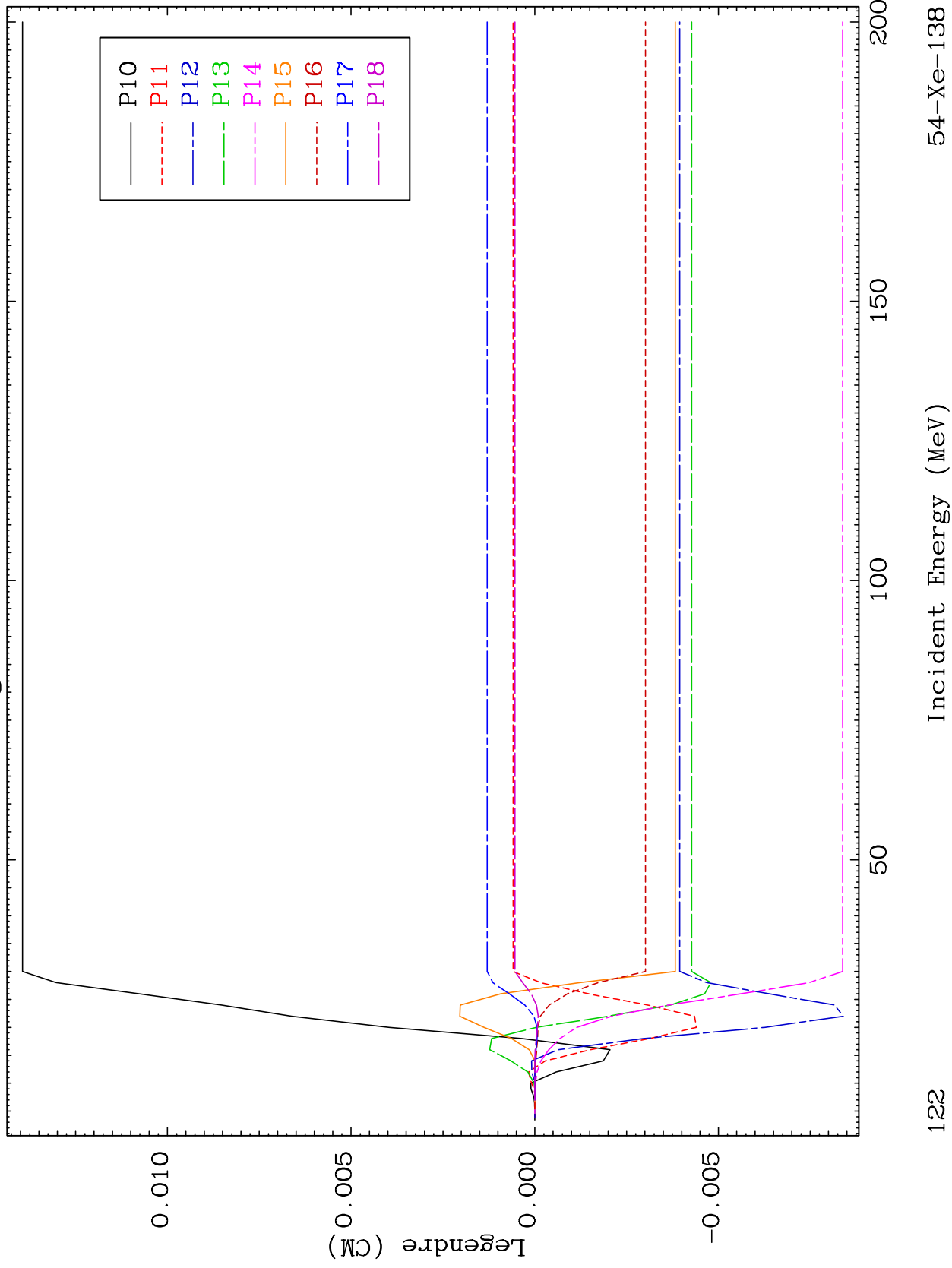
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.953 MeV (n,n') Level
Legendre Coefficients

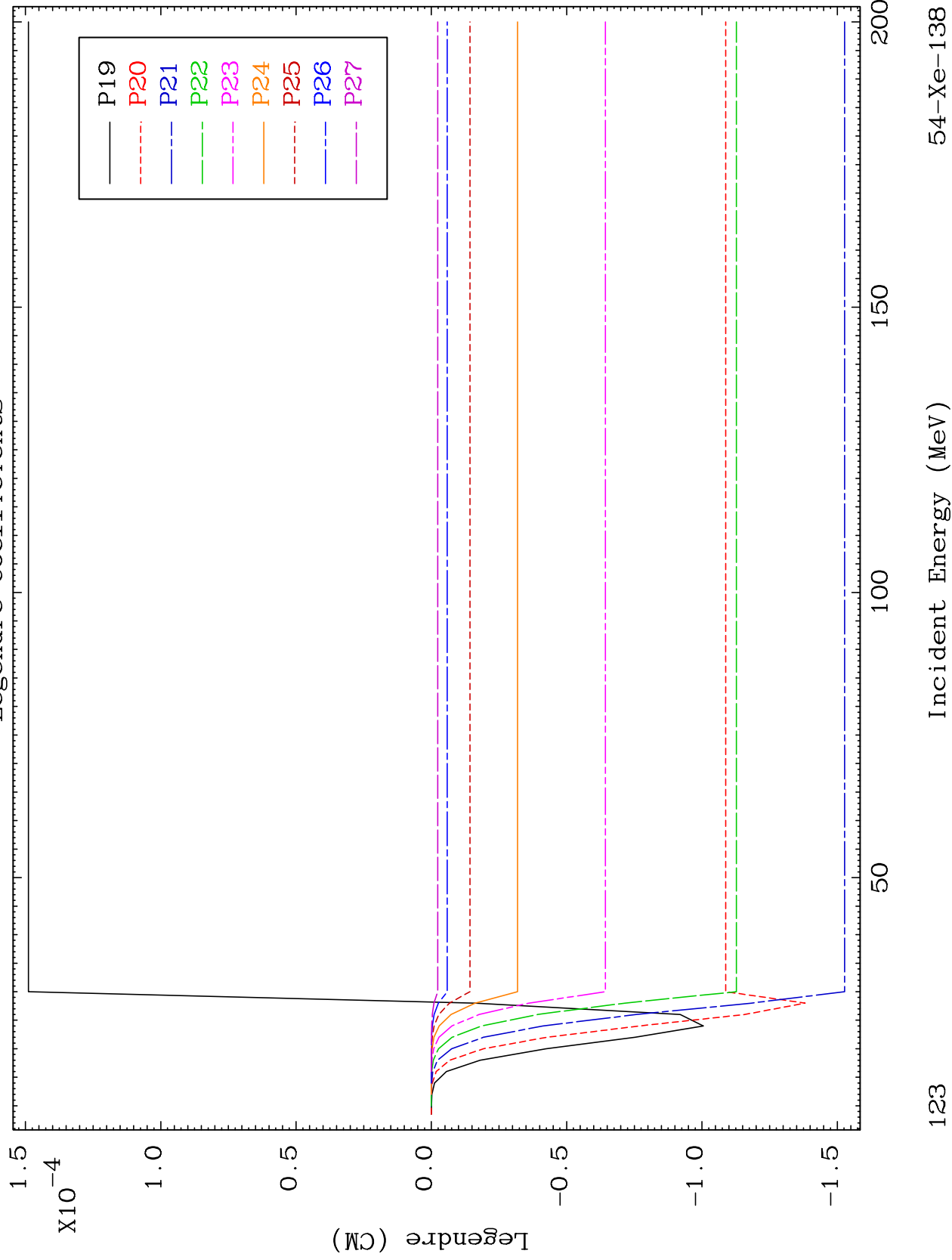
54-Xe-138

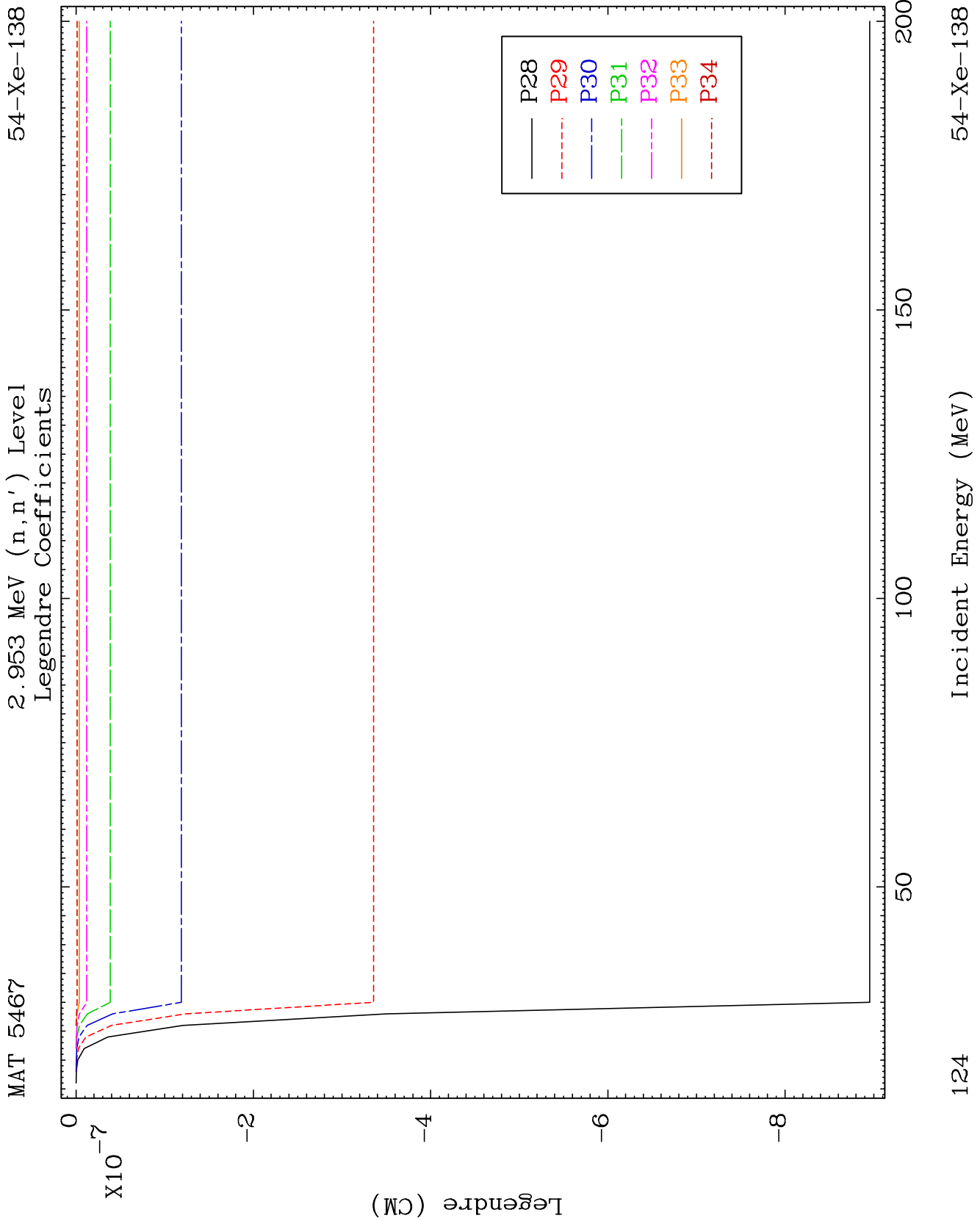


122

Incident Energy (MeV)

54-Xe-138

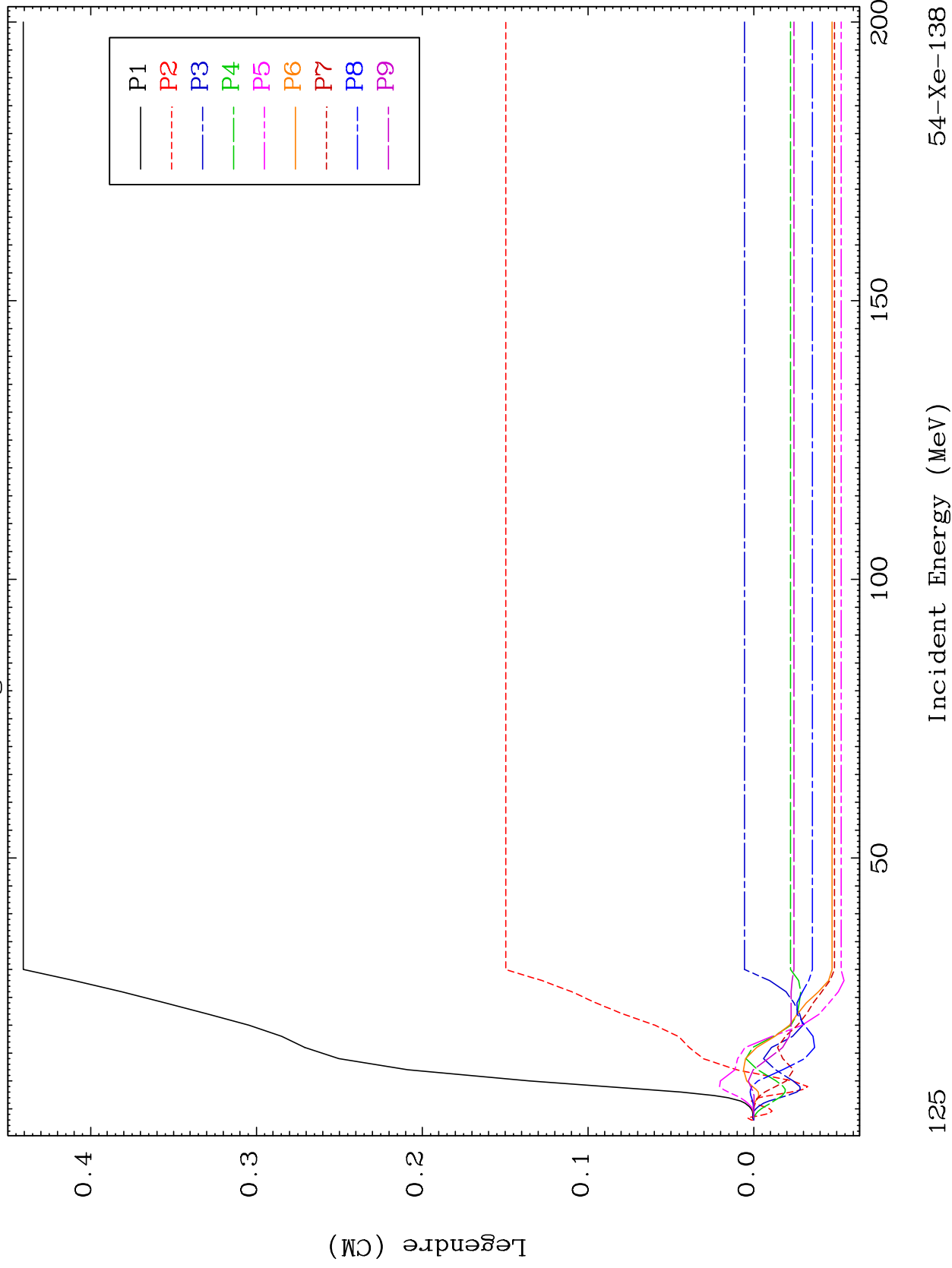




MAT 5467

2.964 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



125

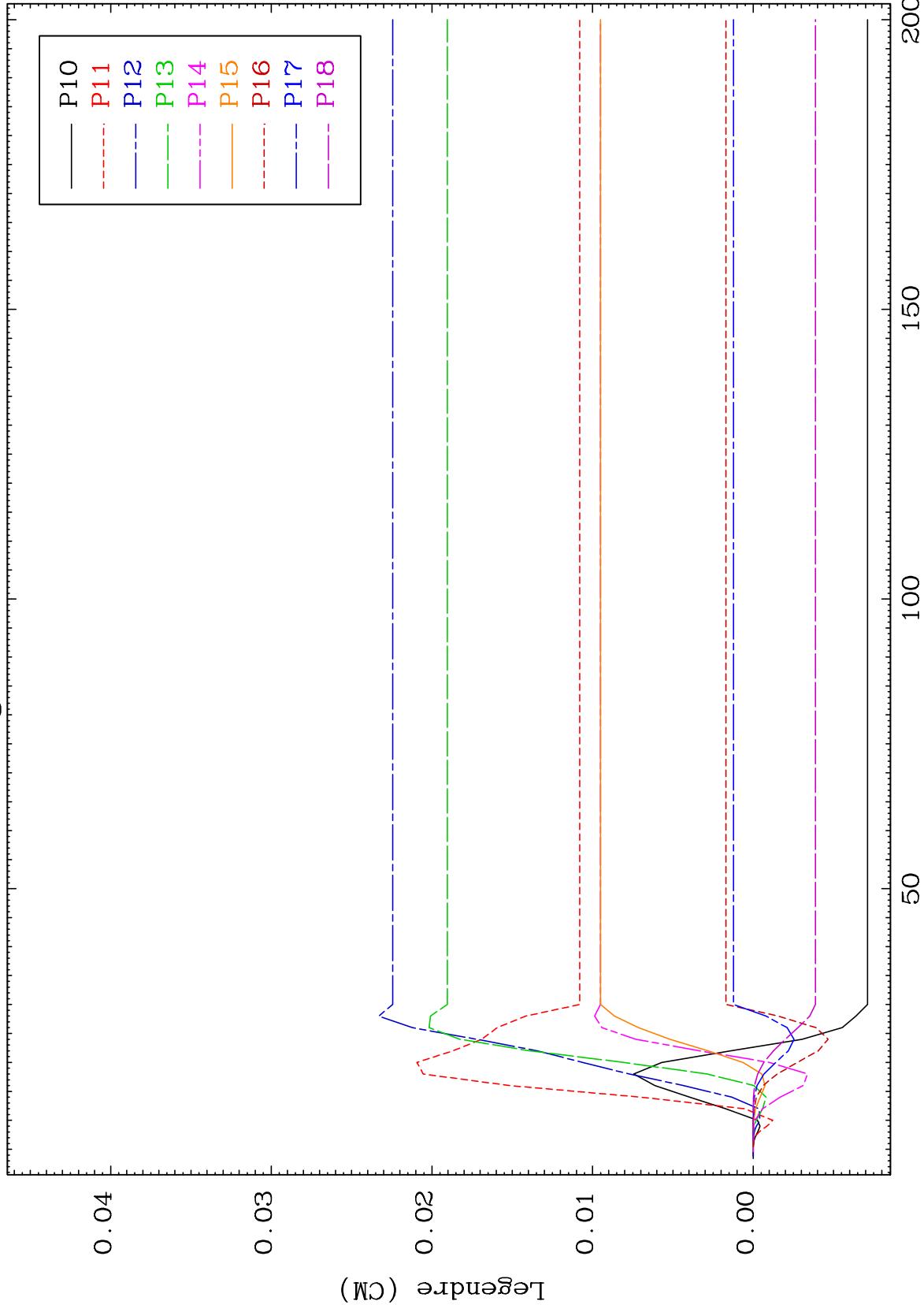
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.964 MeV (n,n') Level
Legendre Coefficients

54-Xe-138



126

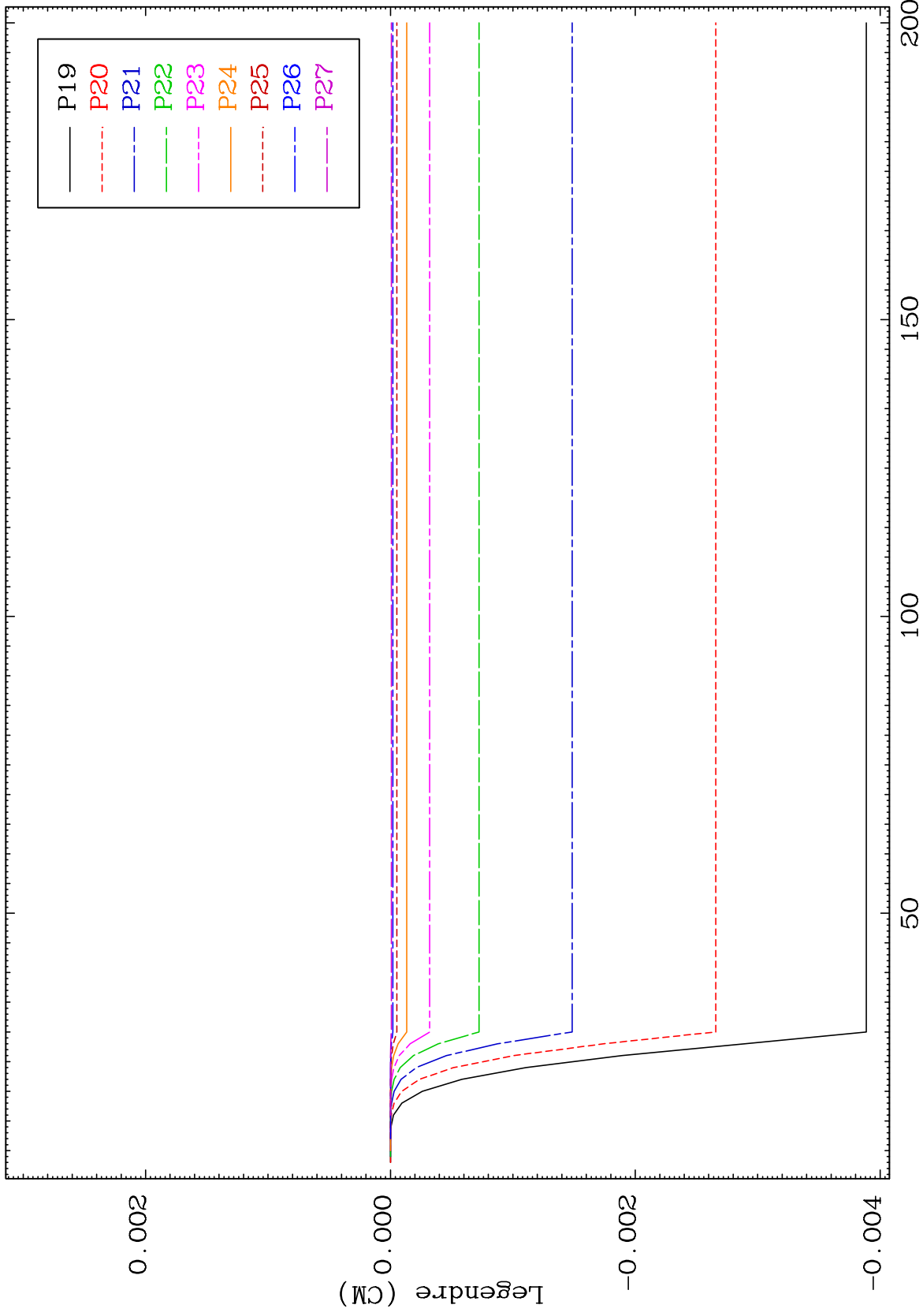
Incident Energy (MeV)

54-Xe-138

MAT 5467

2.964 MeV (n,n') Level
Legendre Coefficients

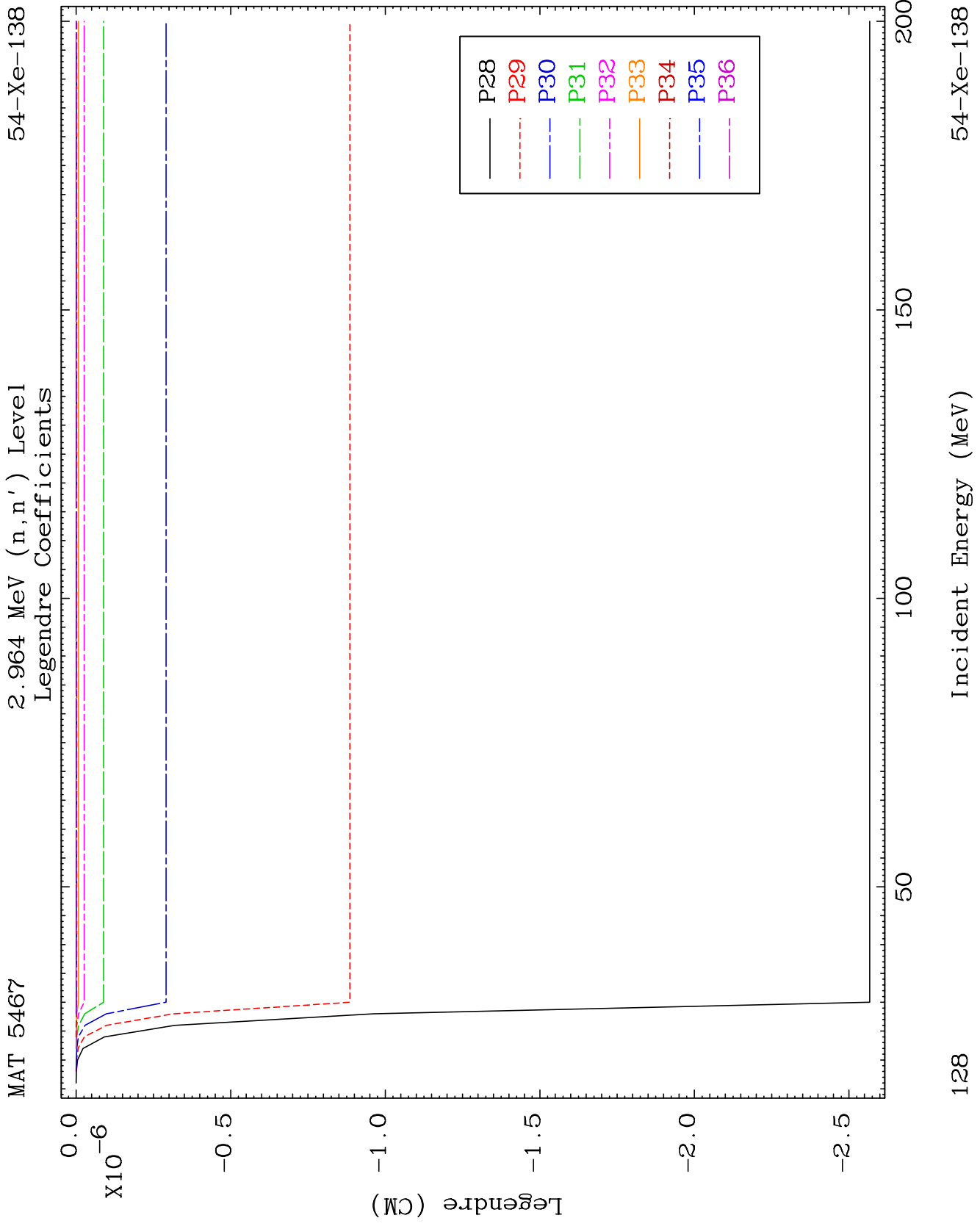
54-Xe-138



127

Incident Energy (MeV)

54-Xe-138

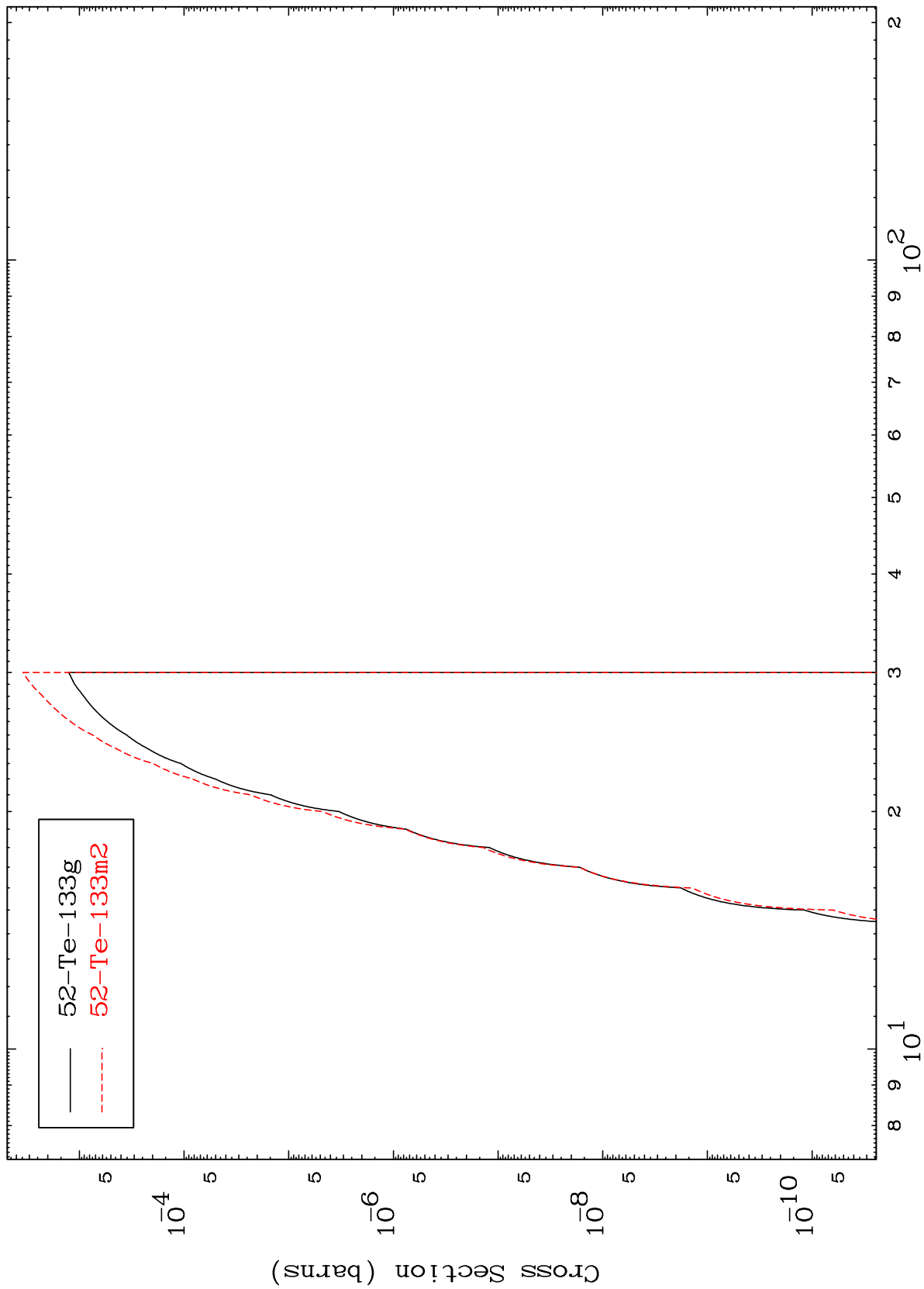


MAT 5467

(n,2n) α

54-Xe-138

Radionuclide Production Cross Section



129

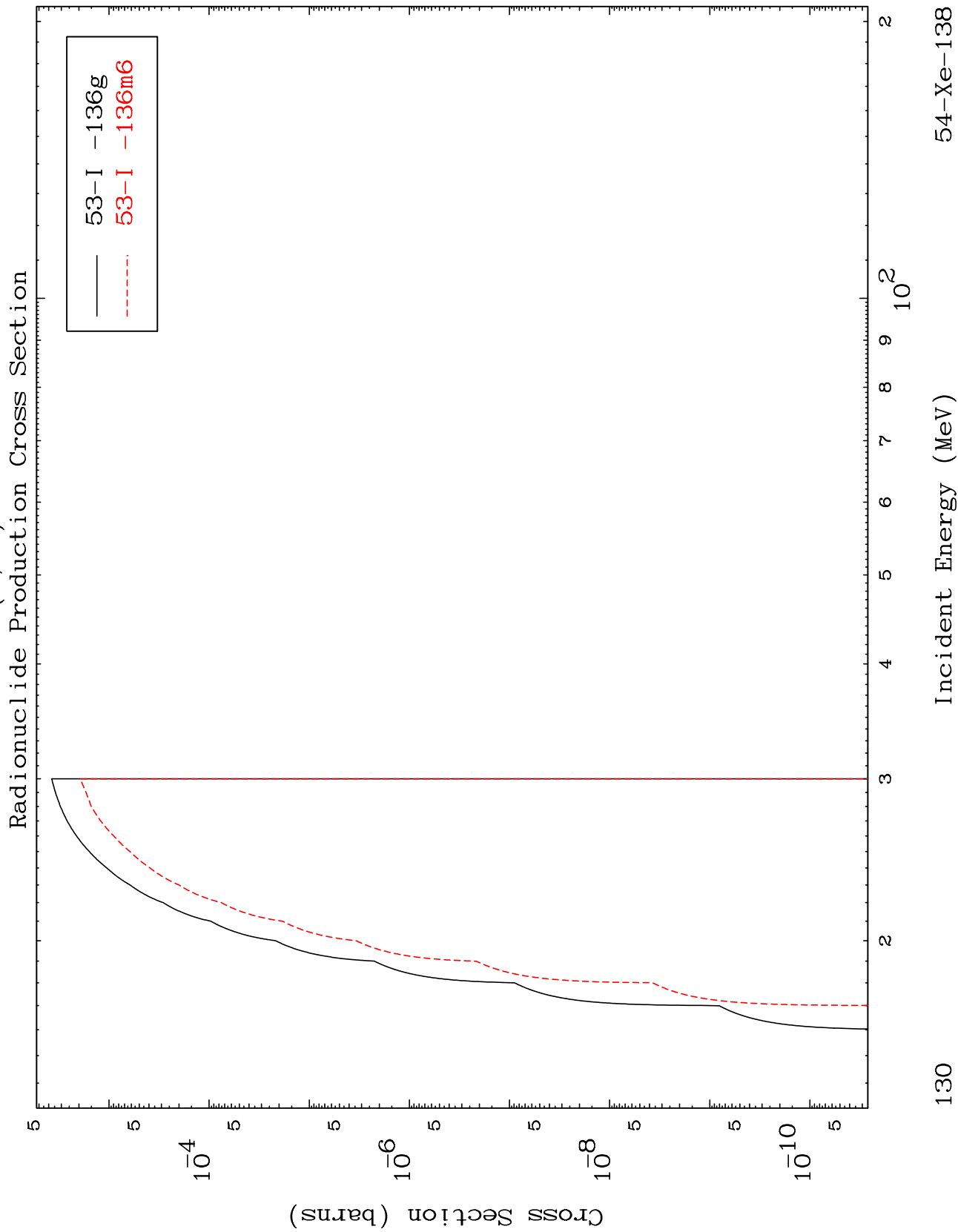
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,n') d

54-Xe-138



130

Incident Energy (MeV)

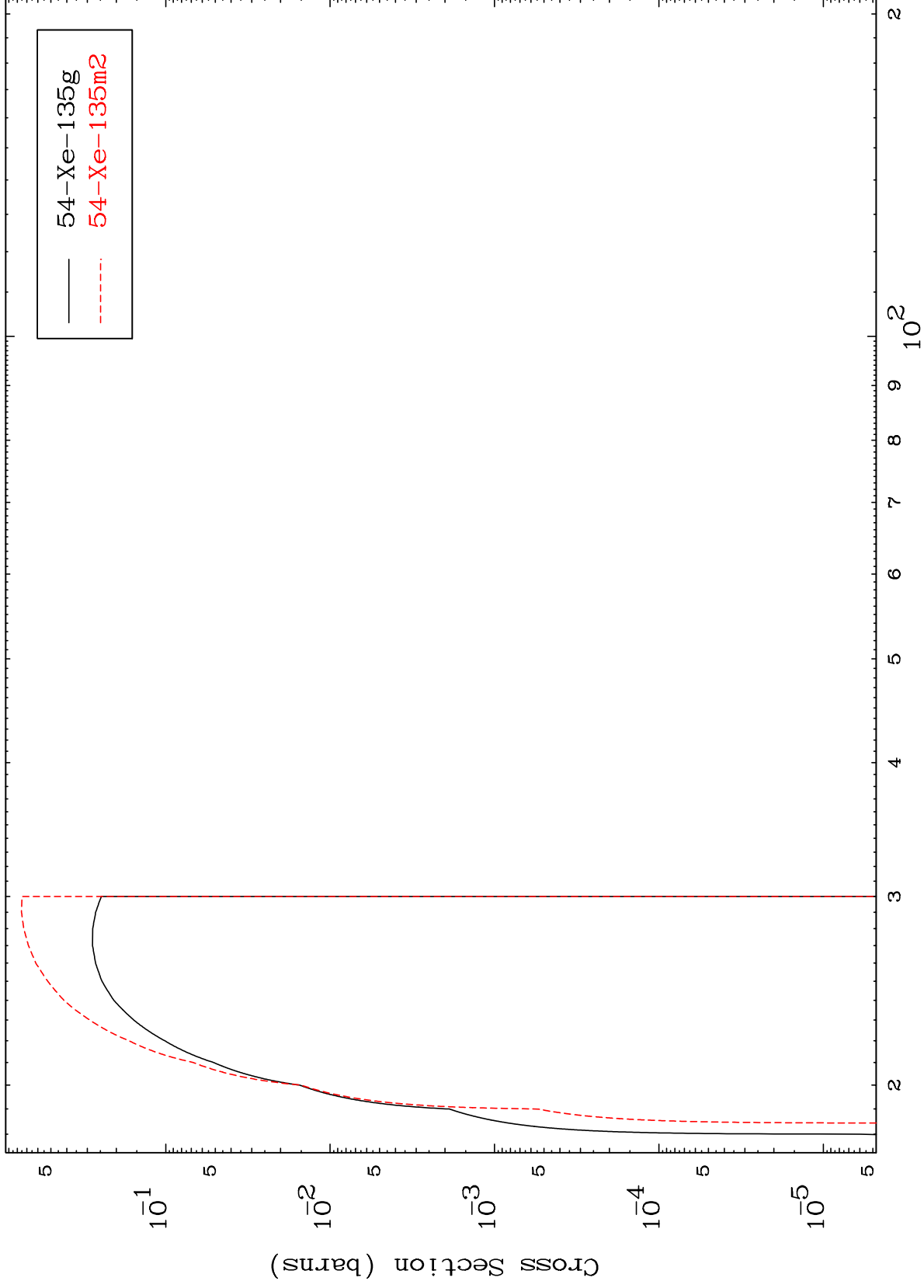
54-Xe-138

MAT 5467

(n,4n)

54-Xe-138

Radionuclide Production Cross Section



131

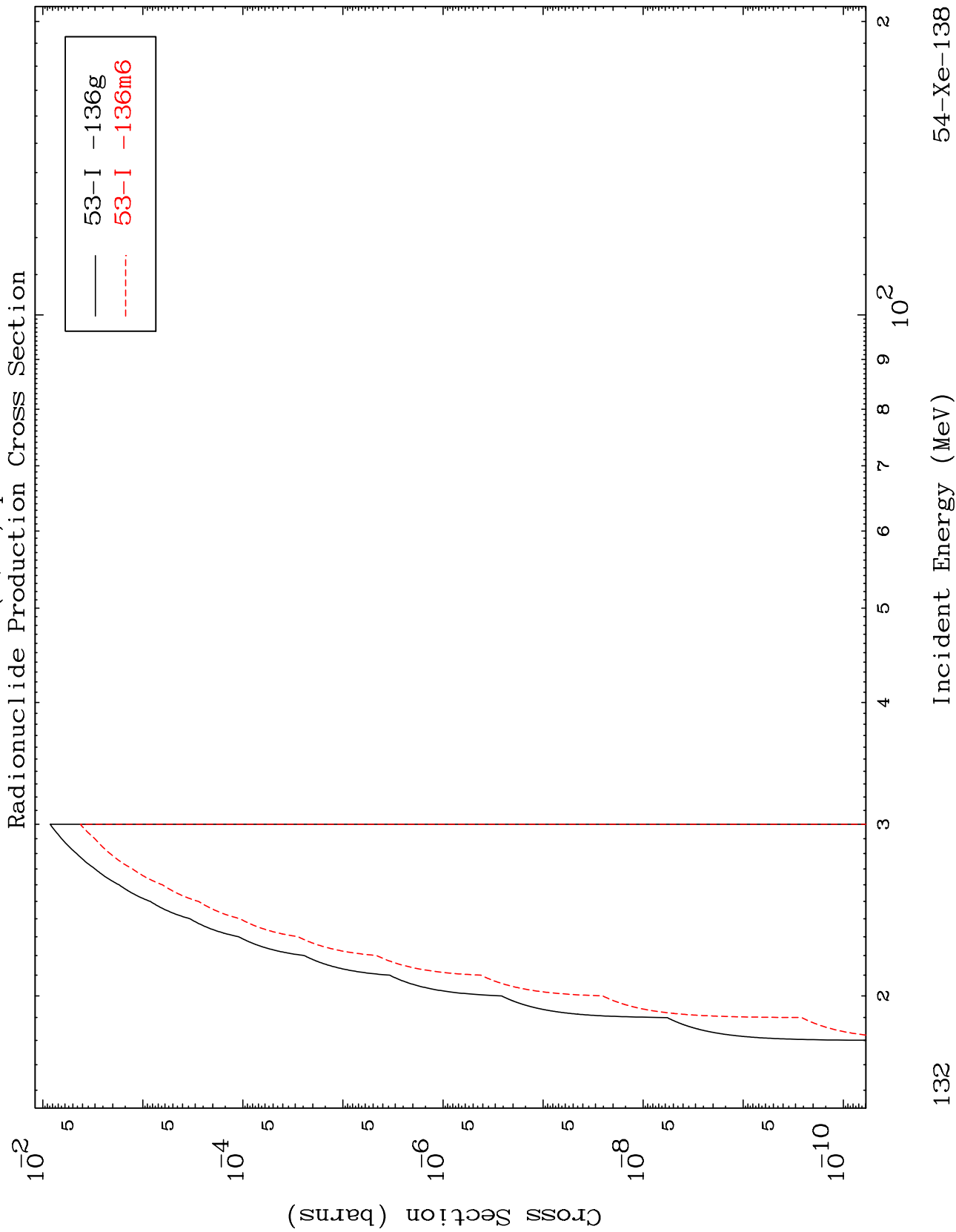
Incident Energy (MeV)

54-Xe-138

MAT 5467

(n,2n) p

54-Xe-138



132

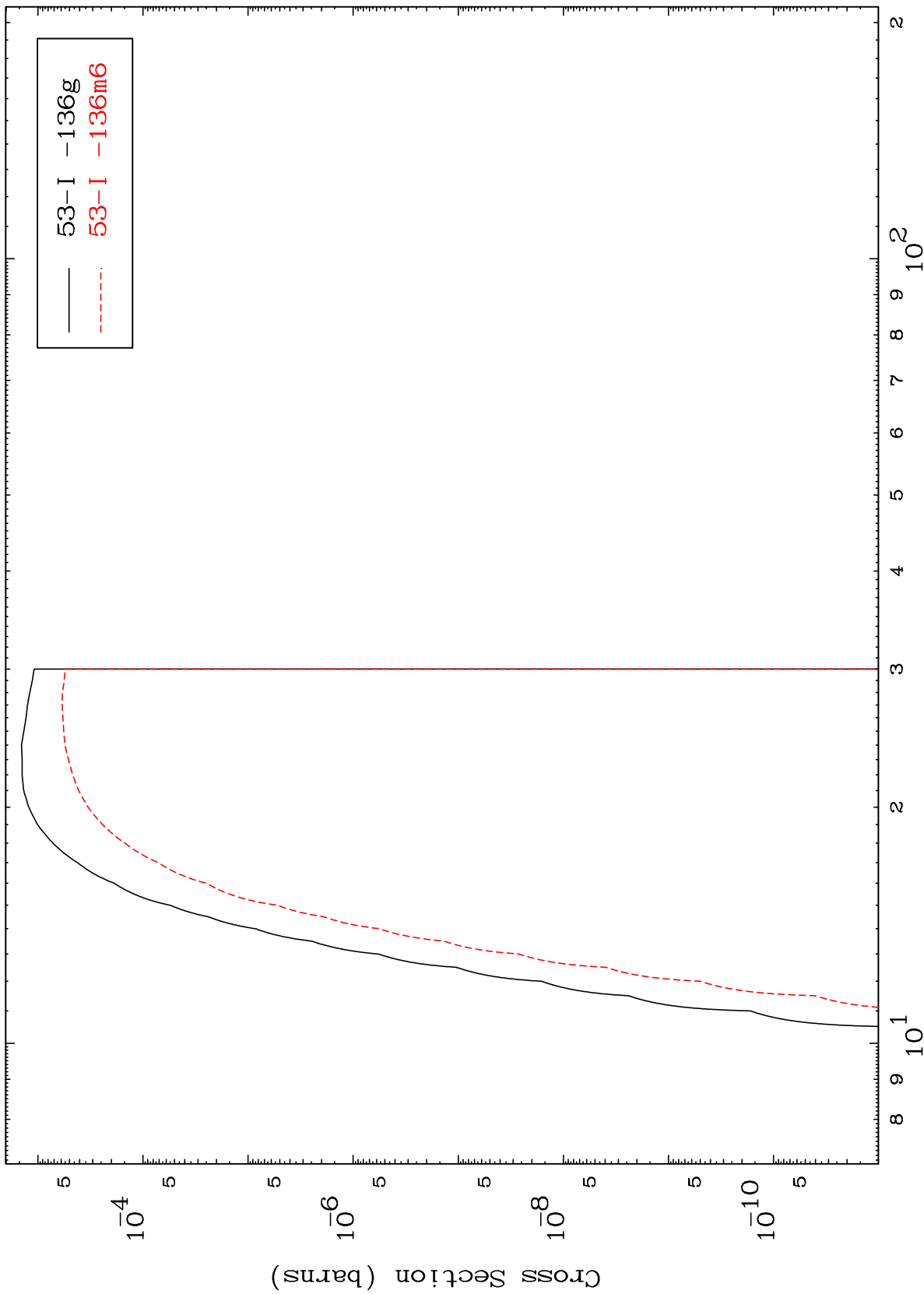
Incident Energy (MeV)

54-Xe-138

MAT 5467

54-Xe-138

(n, t)
Radionuclide Production Cross Section



53-I - 136g
53-I - 136m6

133

Incident Energy (MeV)

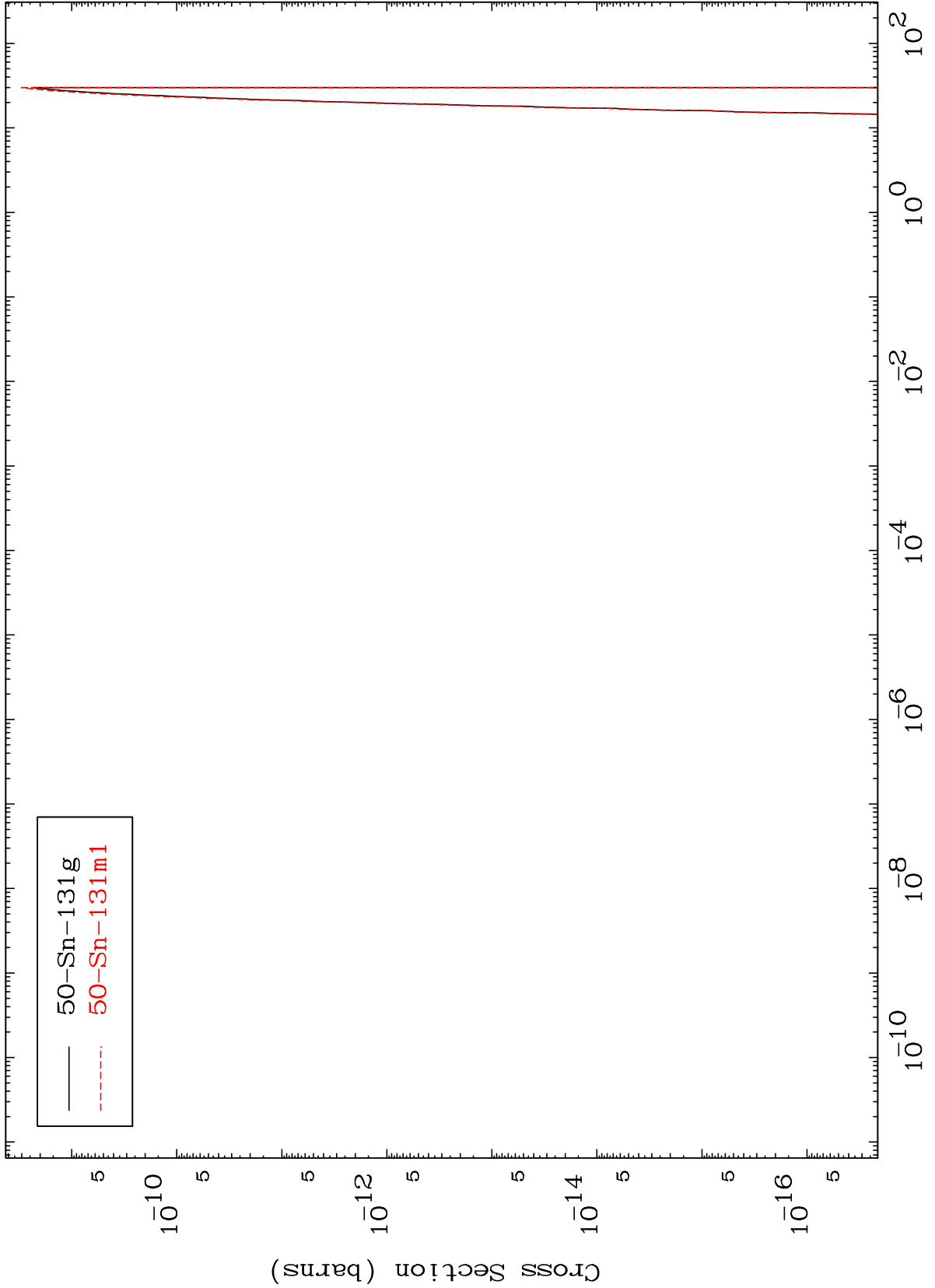
54-Xe-138

MAT 5467

(n,2α)

54-Xe-138

Radionuclide Production Cross Section



50-Sn-131g
50-Sn-131m1

134

Incident Energy (MeV)

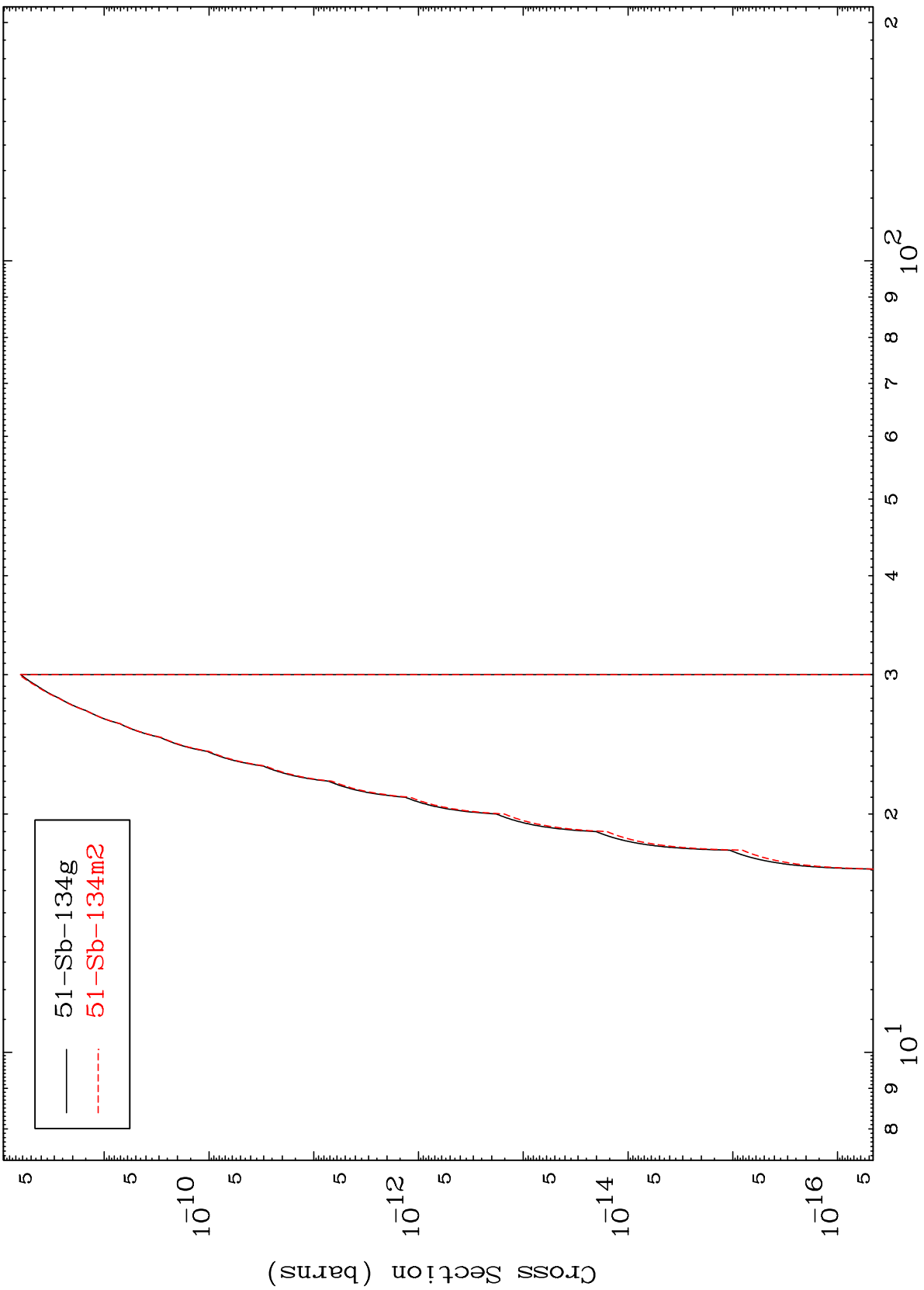
54-Xe-138

MAT 5467

(n,p) α

54-Xe-138

Radionuclide Production Cross Section



51-Sb-134g
51-Sb-134m2

135

Incident Energy (MeV)

54-Xe-138