

Program EVALPLOT
(Version 2021-1)

by

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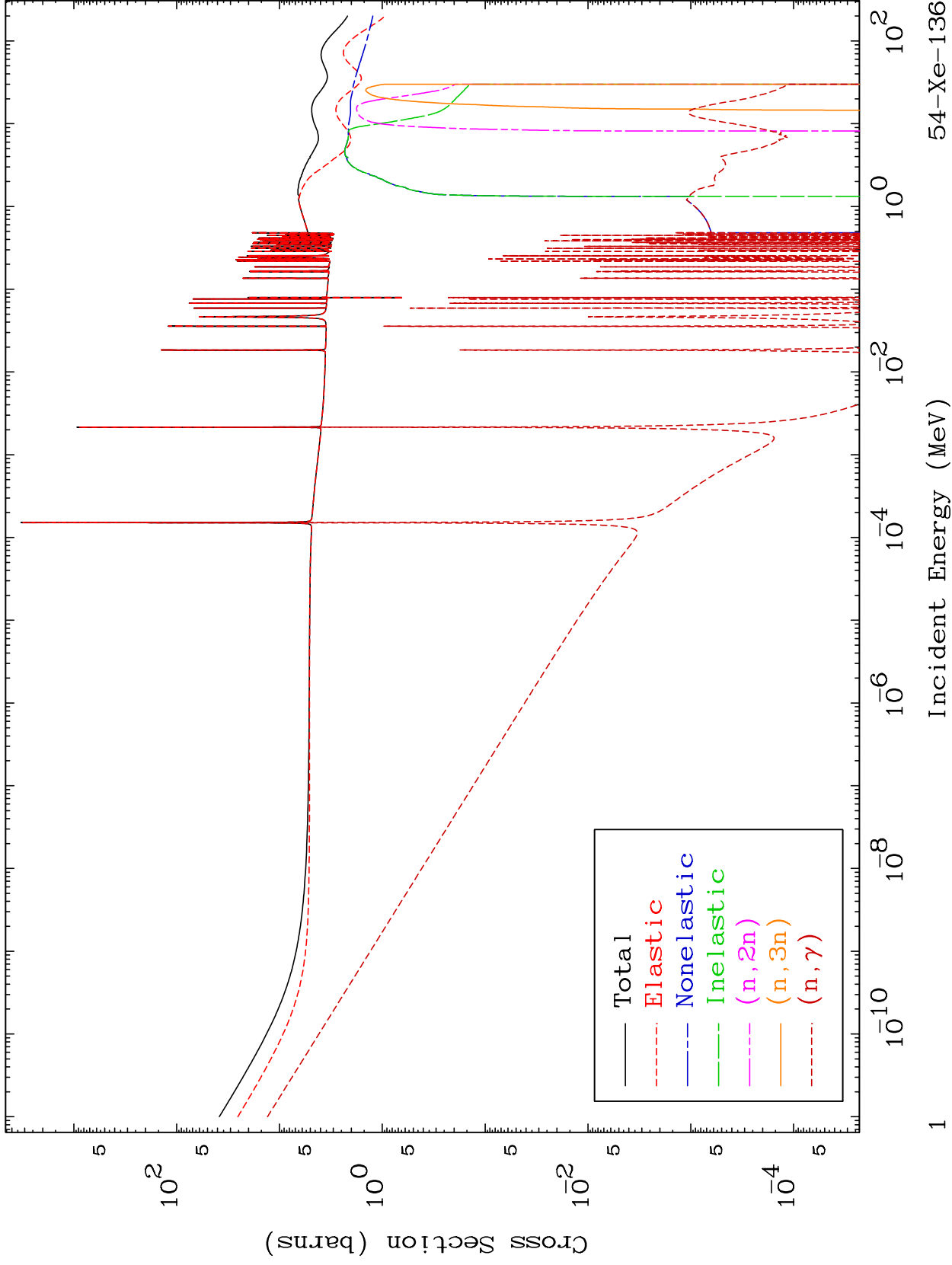
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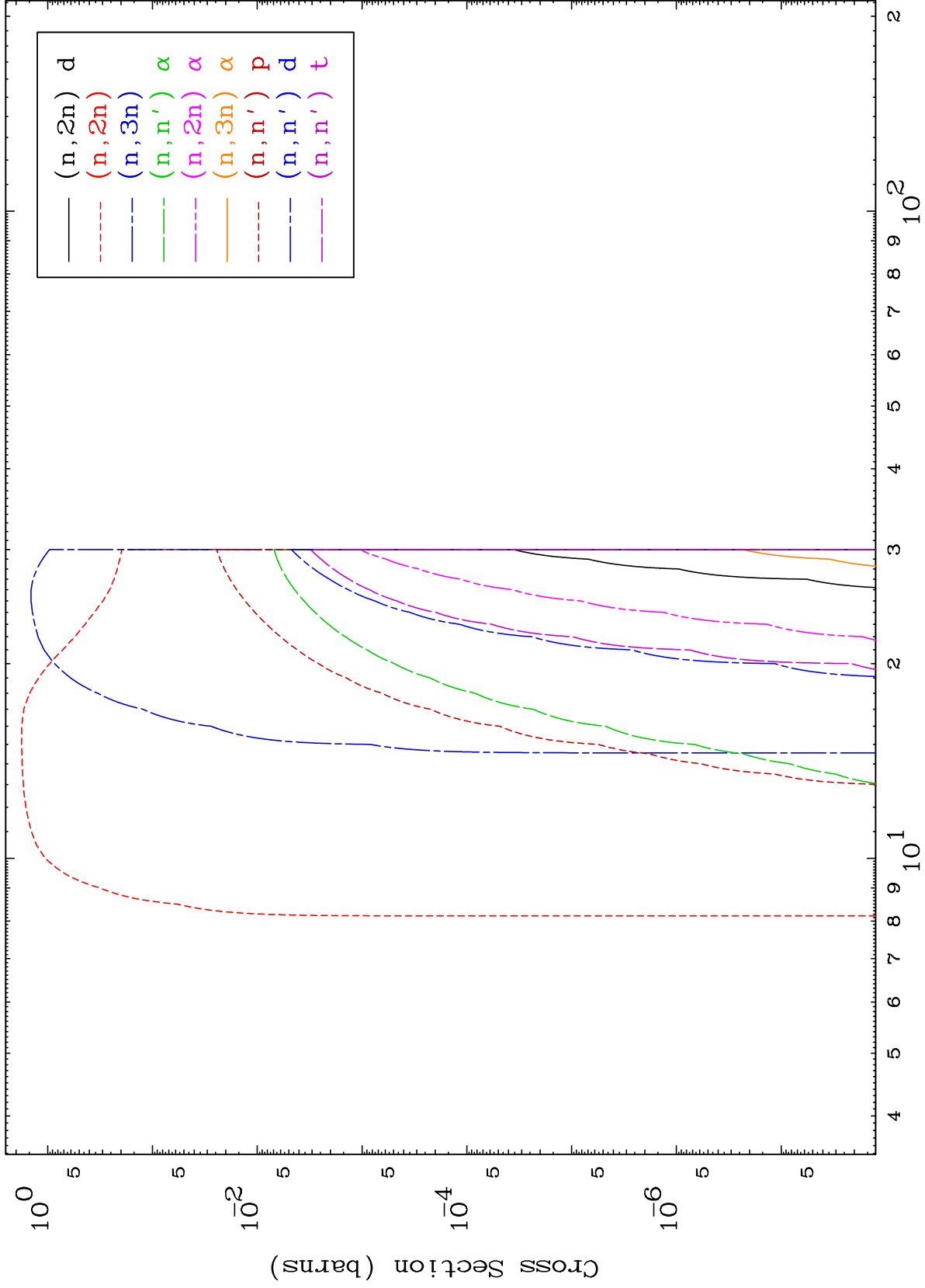
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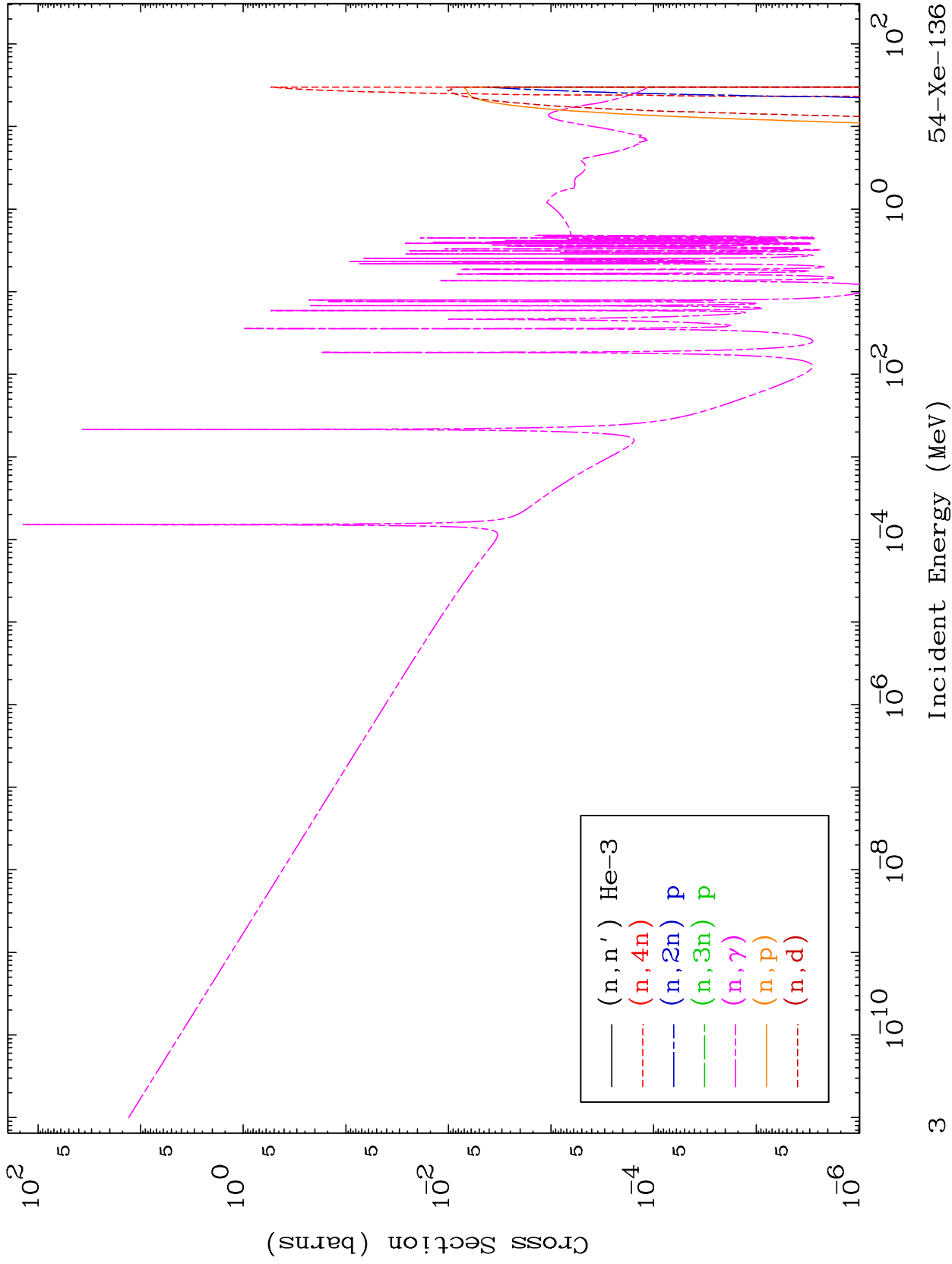
MAT 5461

Neutron Major
293 Kelvin Cross Sections

54-Xe-136



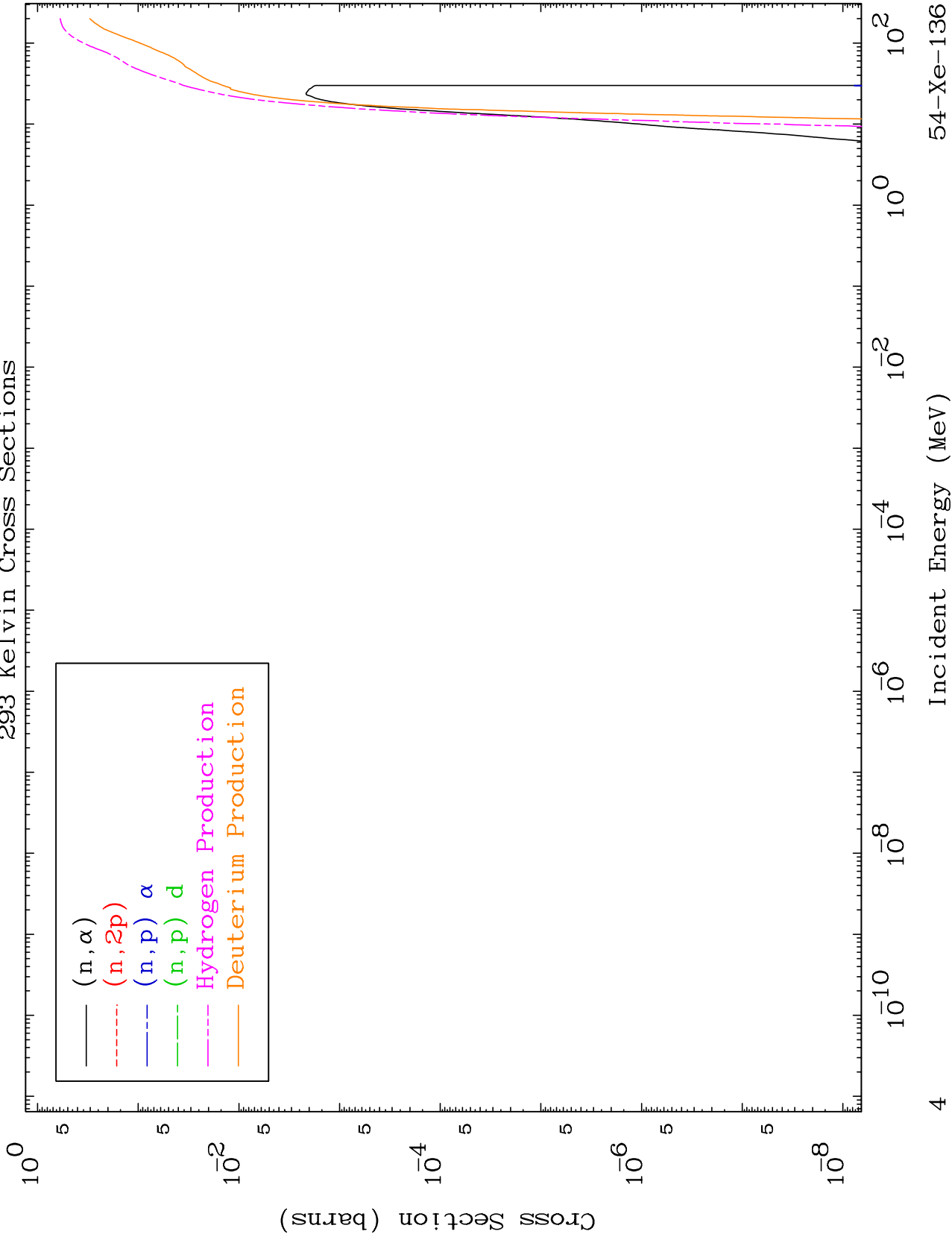




MAT 5461

Neutron Absorption
293 Kelvin Cross Sections

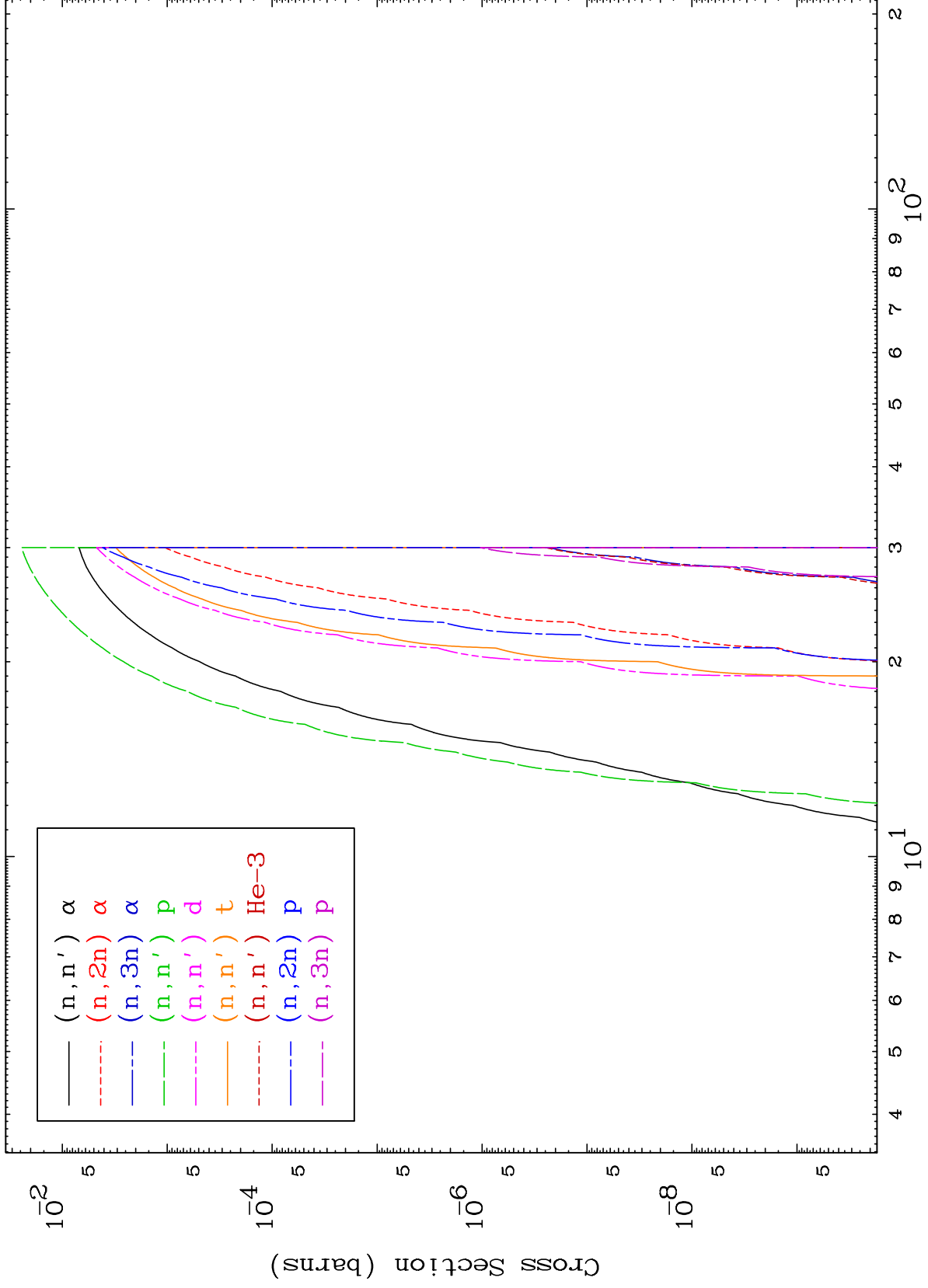
54-Xe-136



MAT 5461

Charged Particle
293 Kelvin Cross Sections

54-Xe-136



5

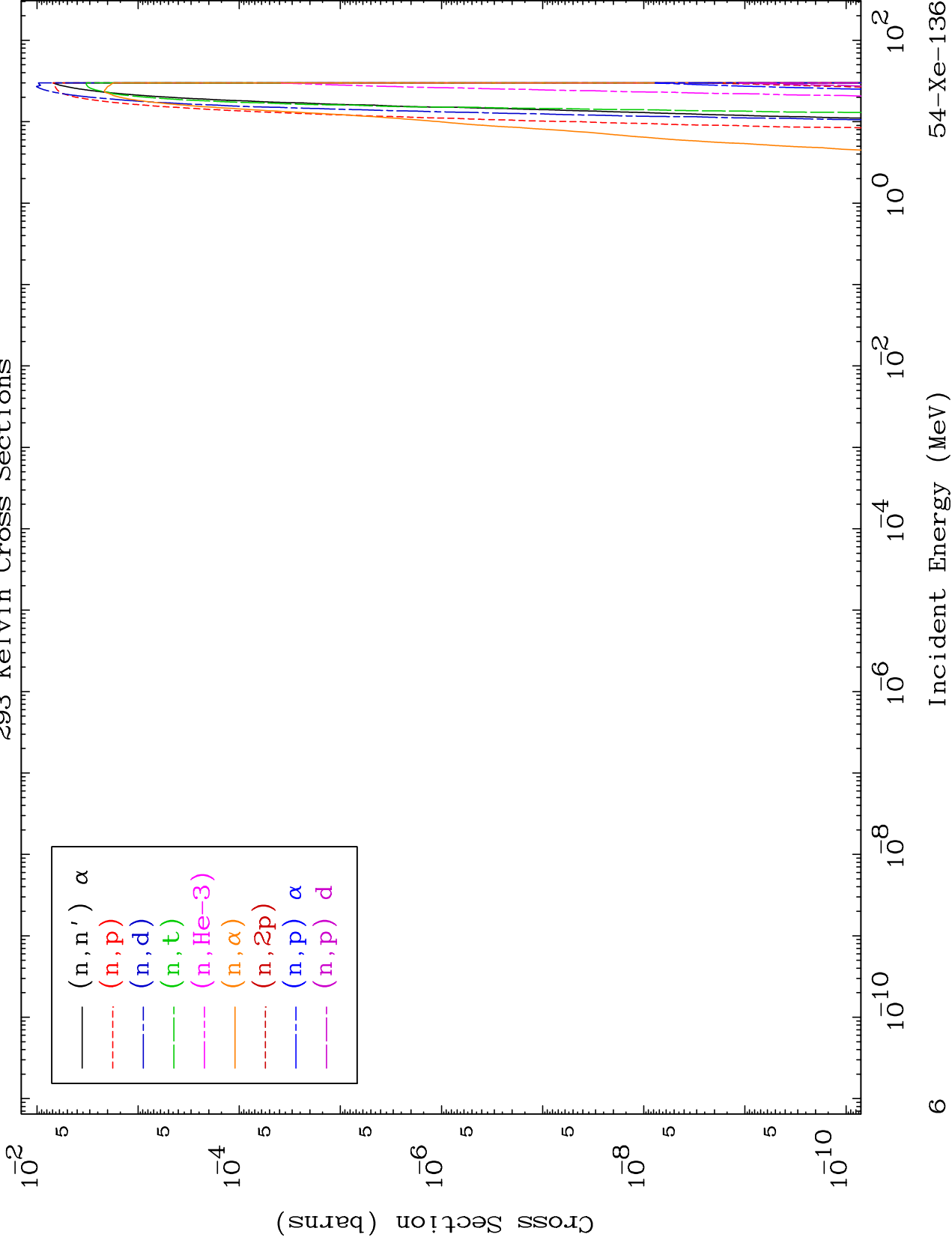
Incident Energy (MeV)

54-Xe-136

MAT 5461

Charged Particle
293 Kelvin Cross Sections

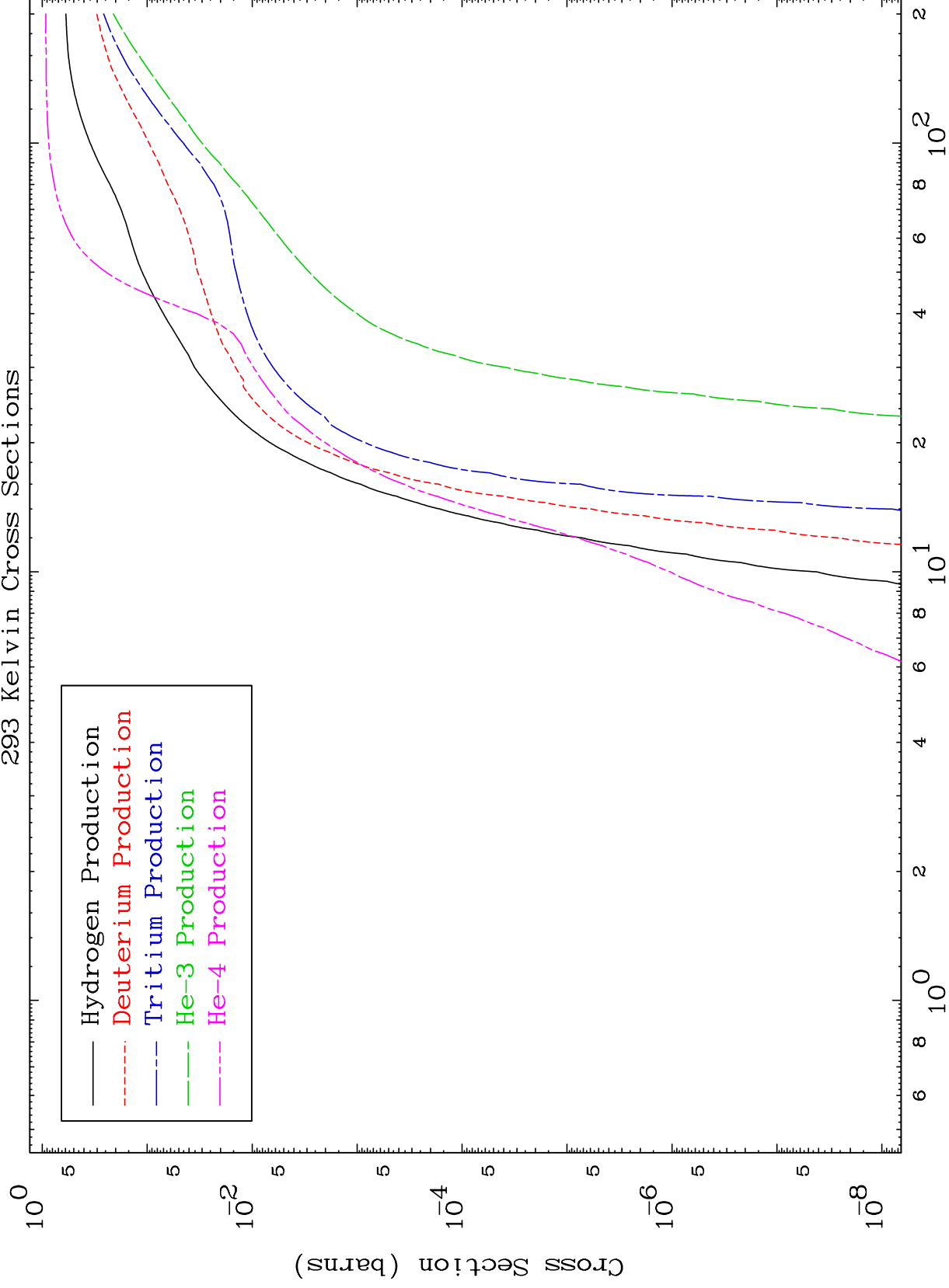
54-Xe-136



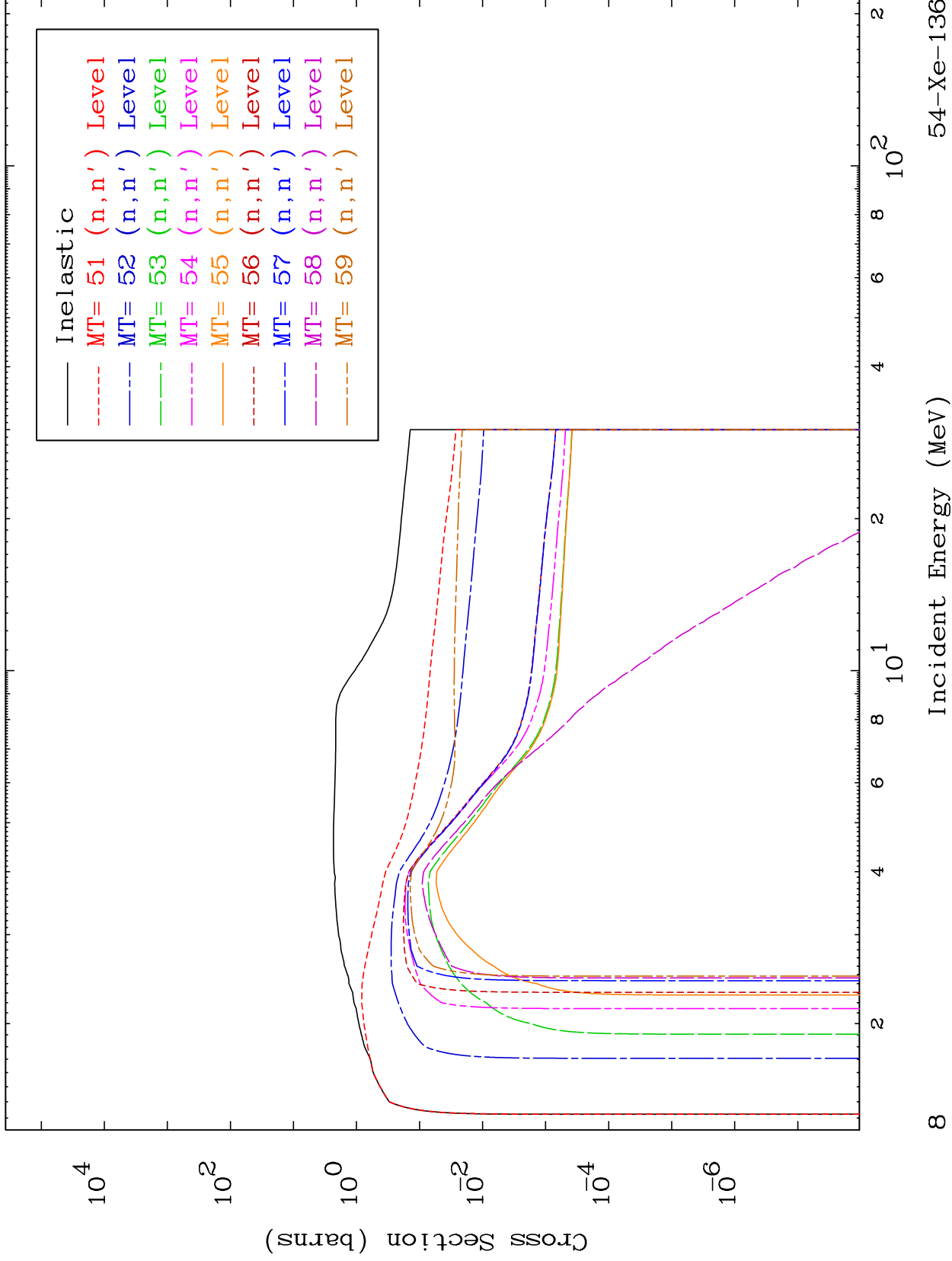
MAT 5461

Particle Production
293 Kelvin Cross Sections

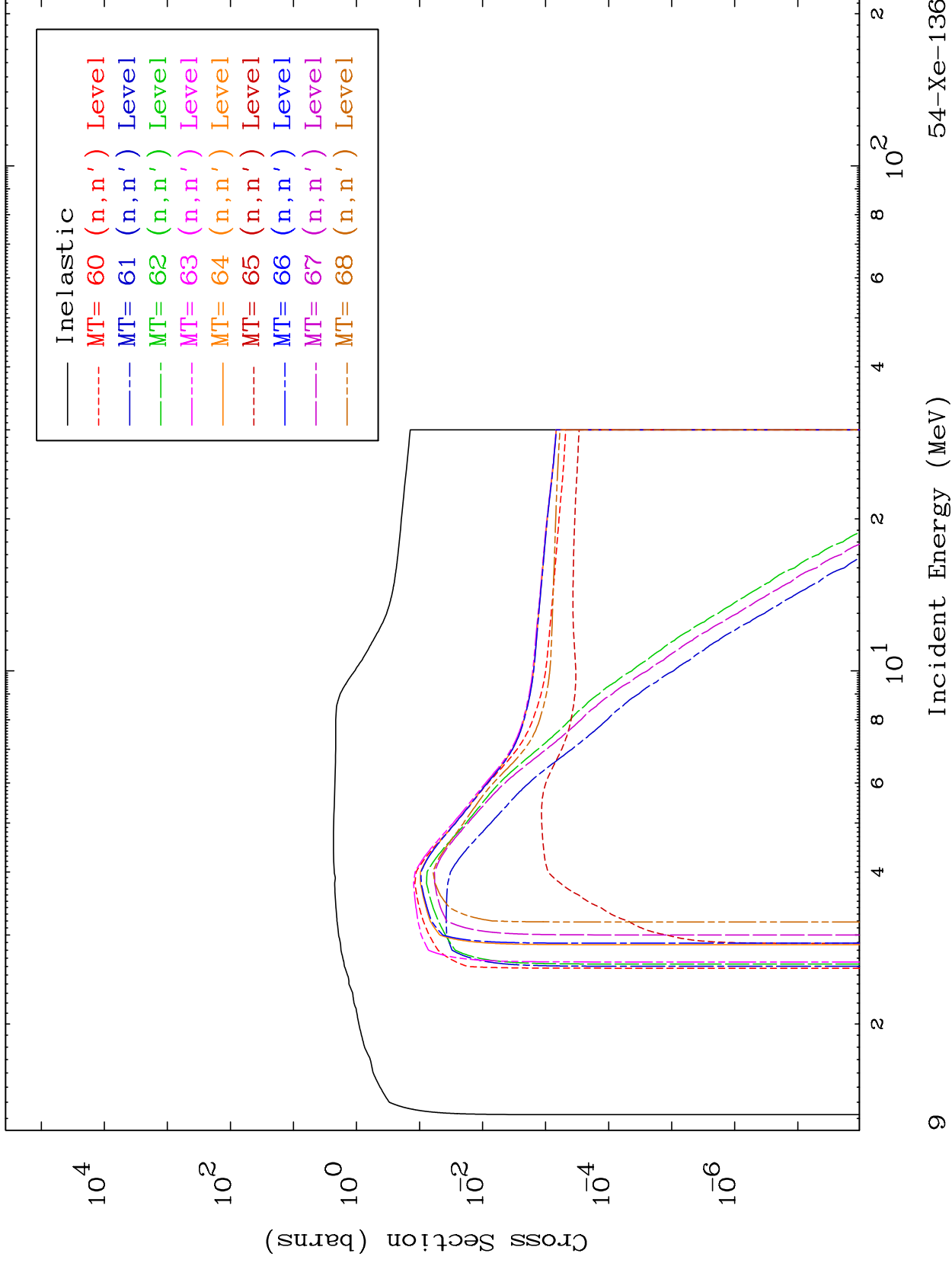
54-Xe-136



293 Kelvin Cross Sections



293 Kelvin Cross Sections

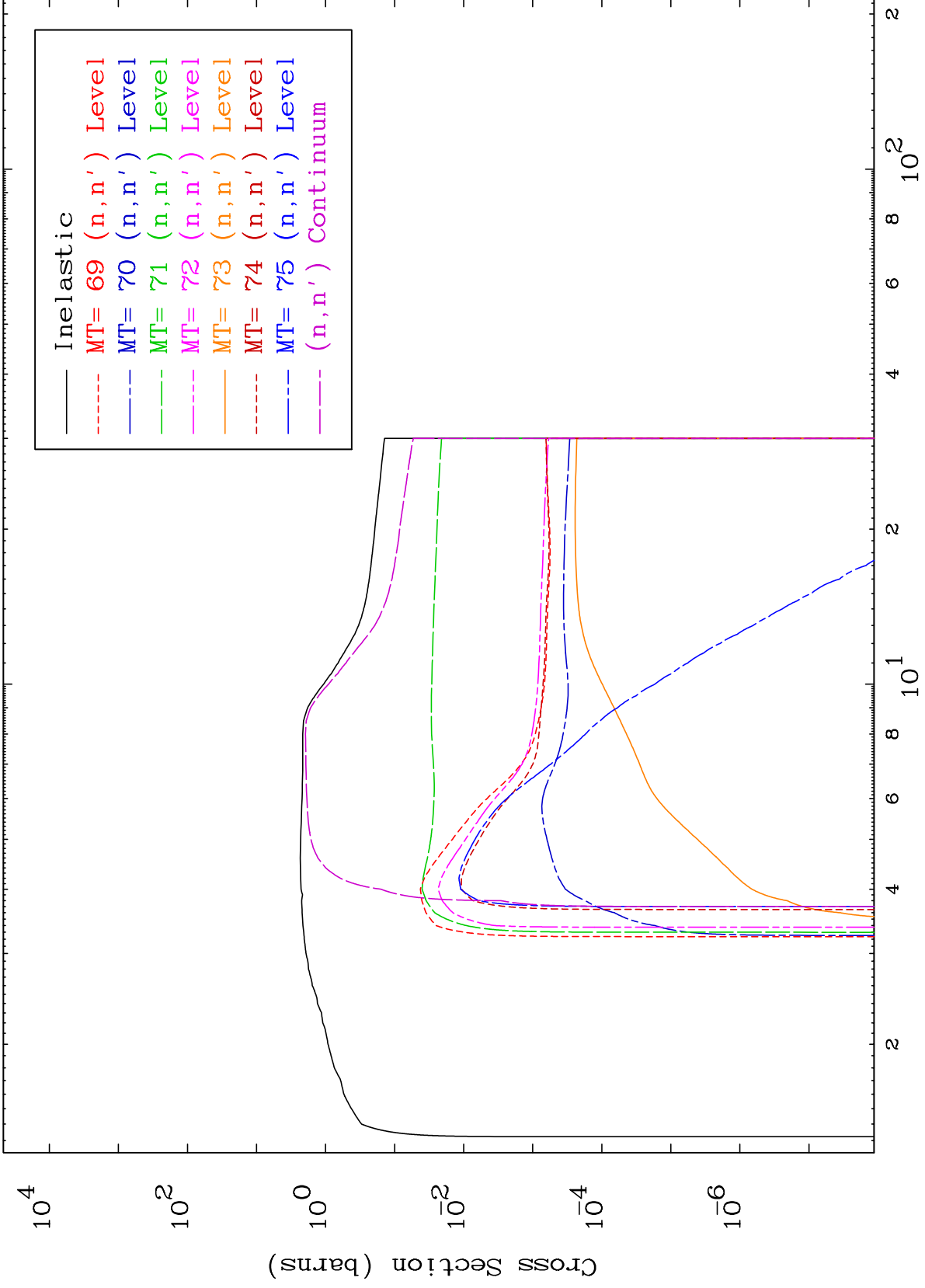


MAT 5461

(n,n') Levels

293 Kelvin Cross Sections

54-Xe-136



10

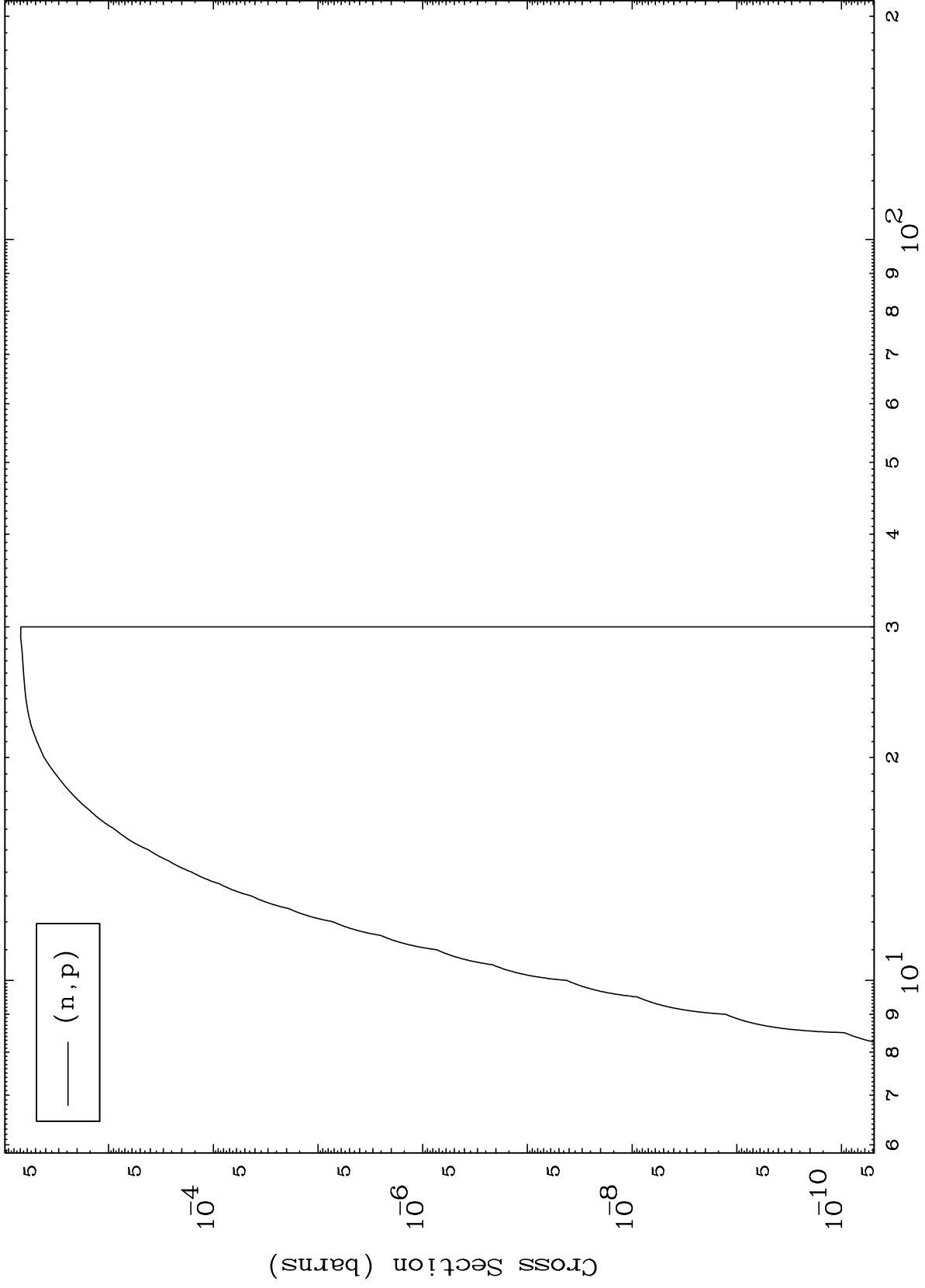
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n,p) Levels
293 Kelvin Cross Sections

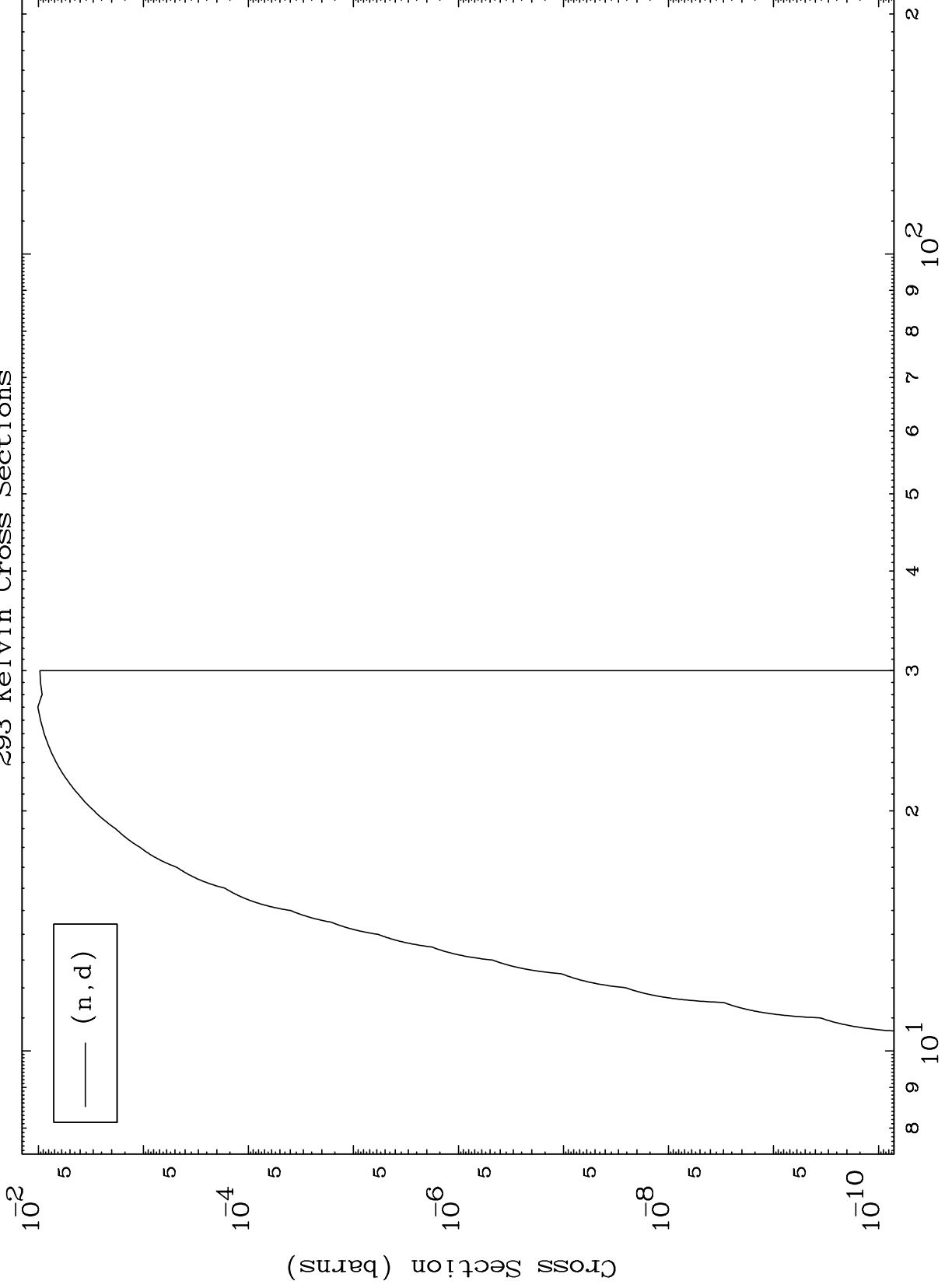
54-Xe-136



MAT 5461

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-136



12

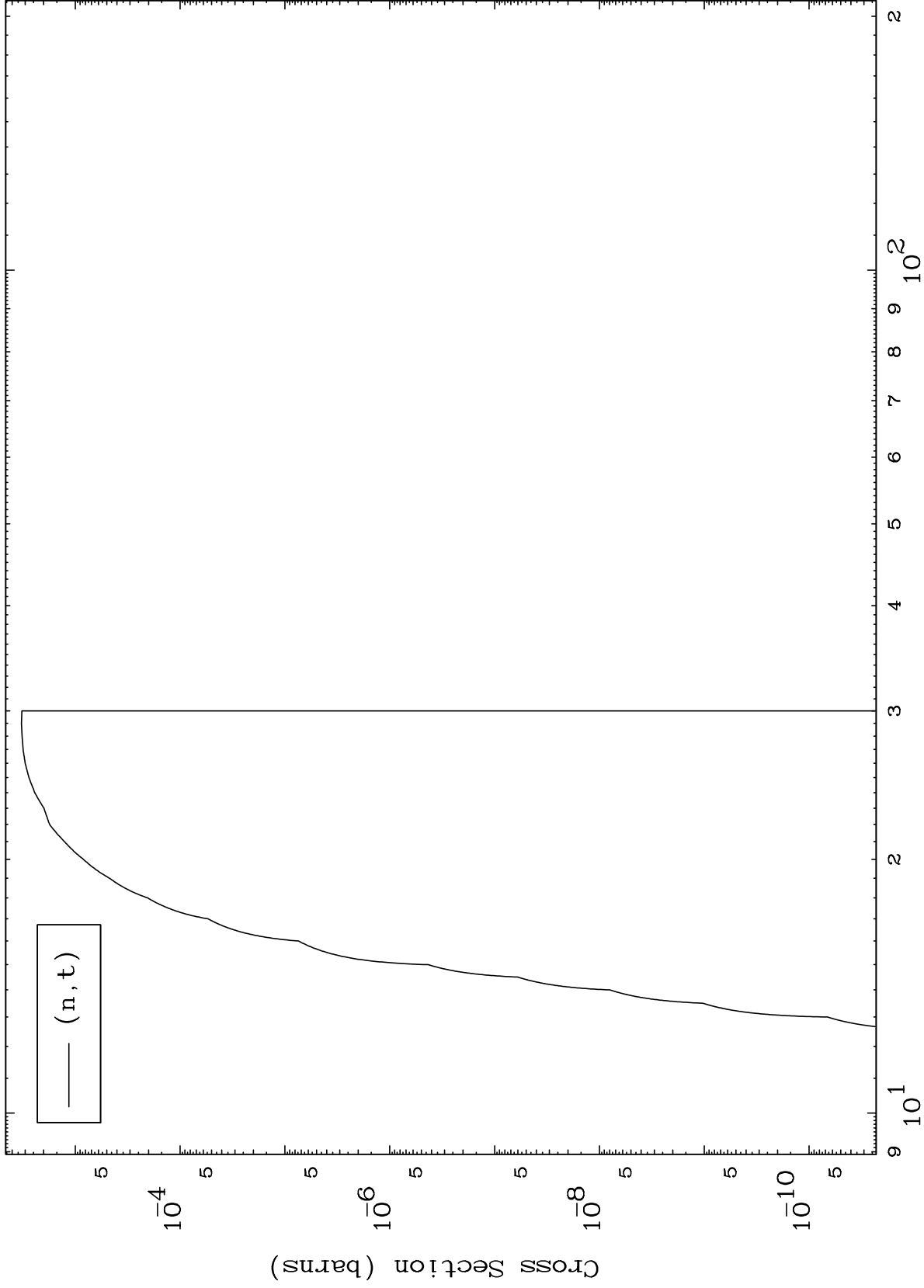
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-136



13

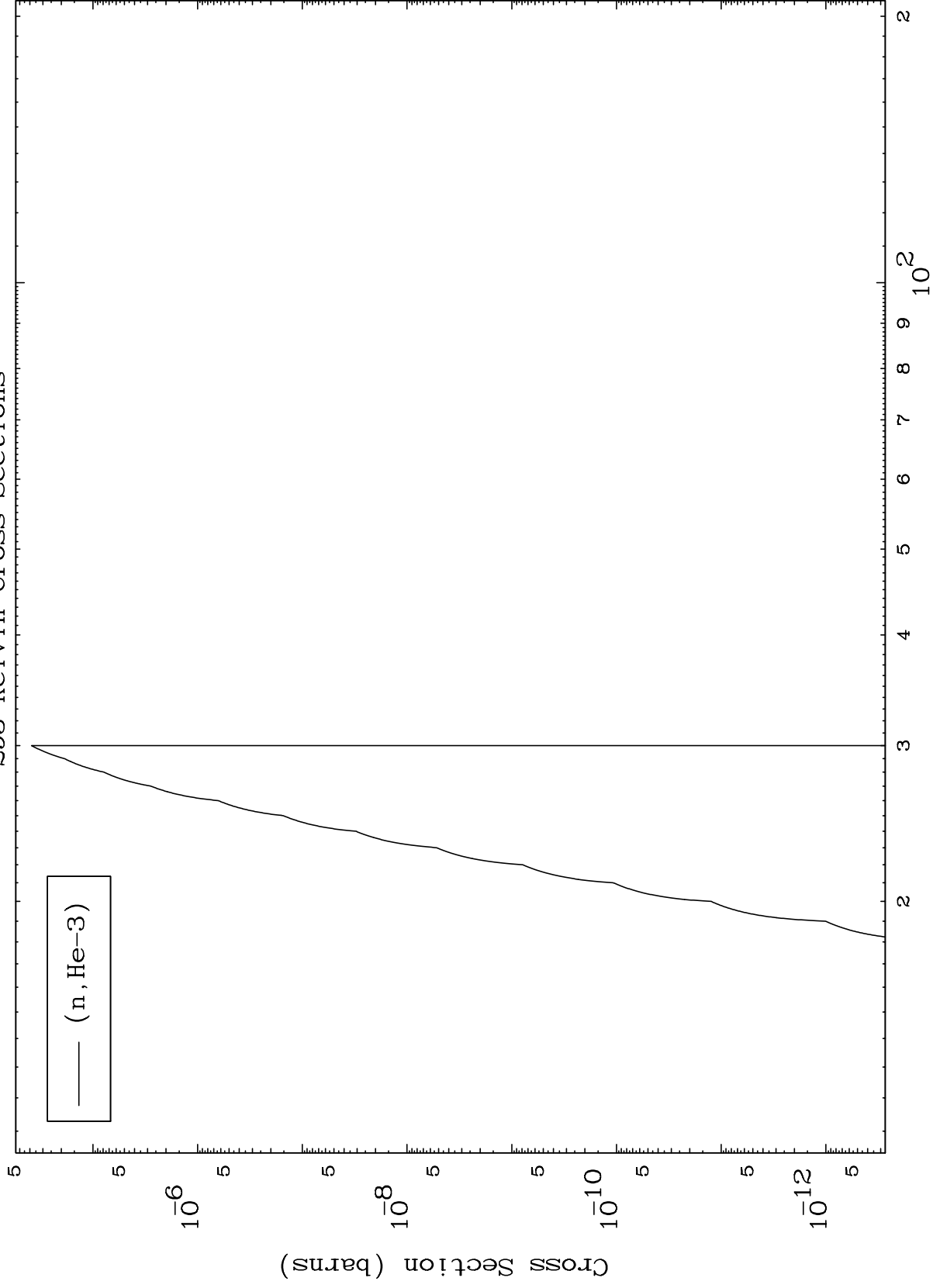
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-136



14

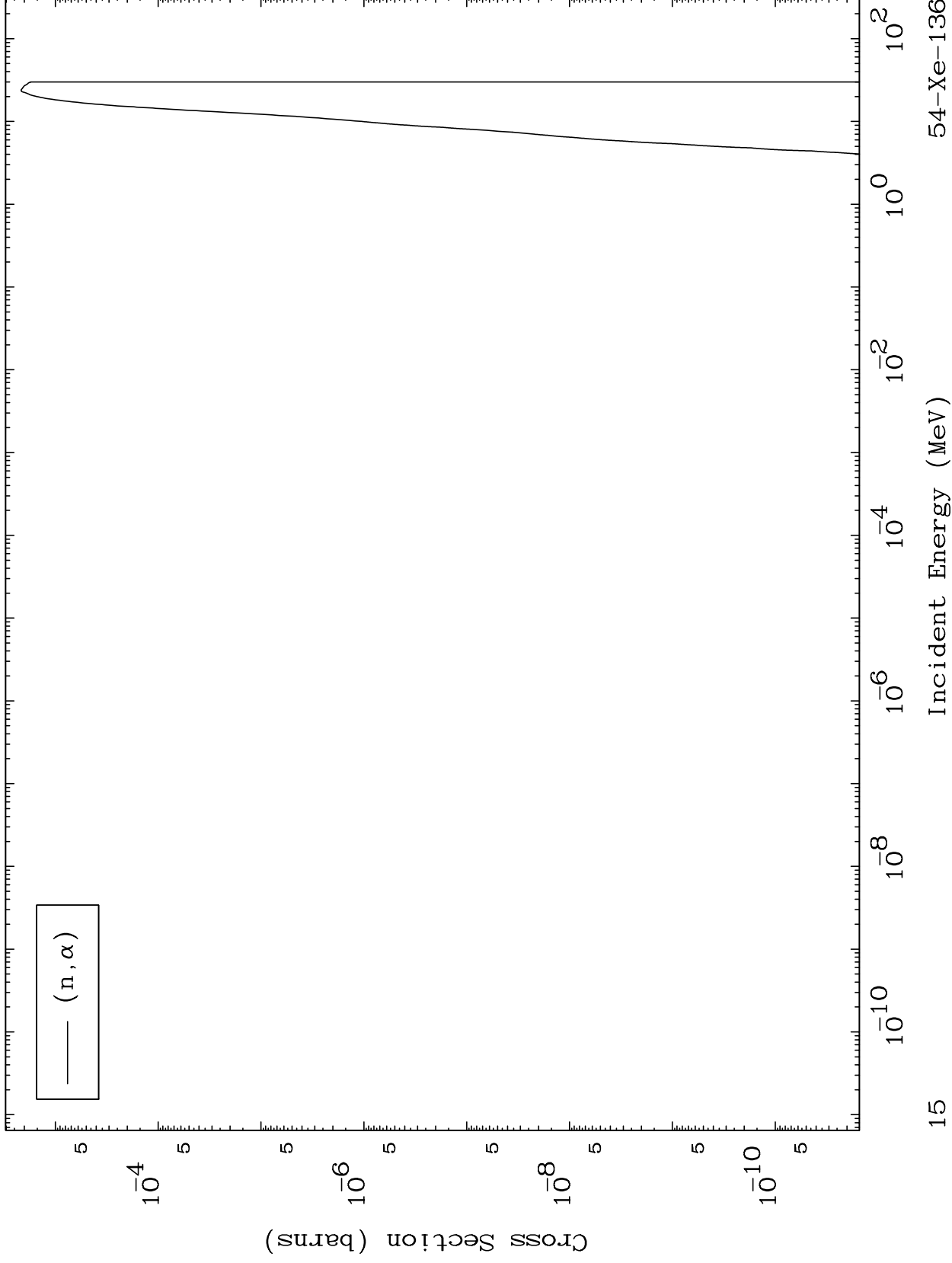
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-136



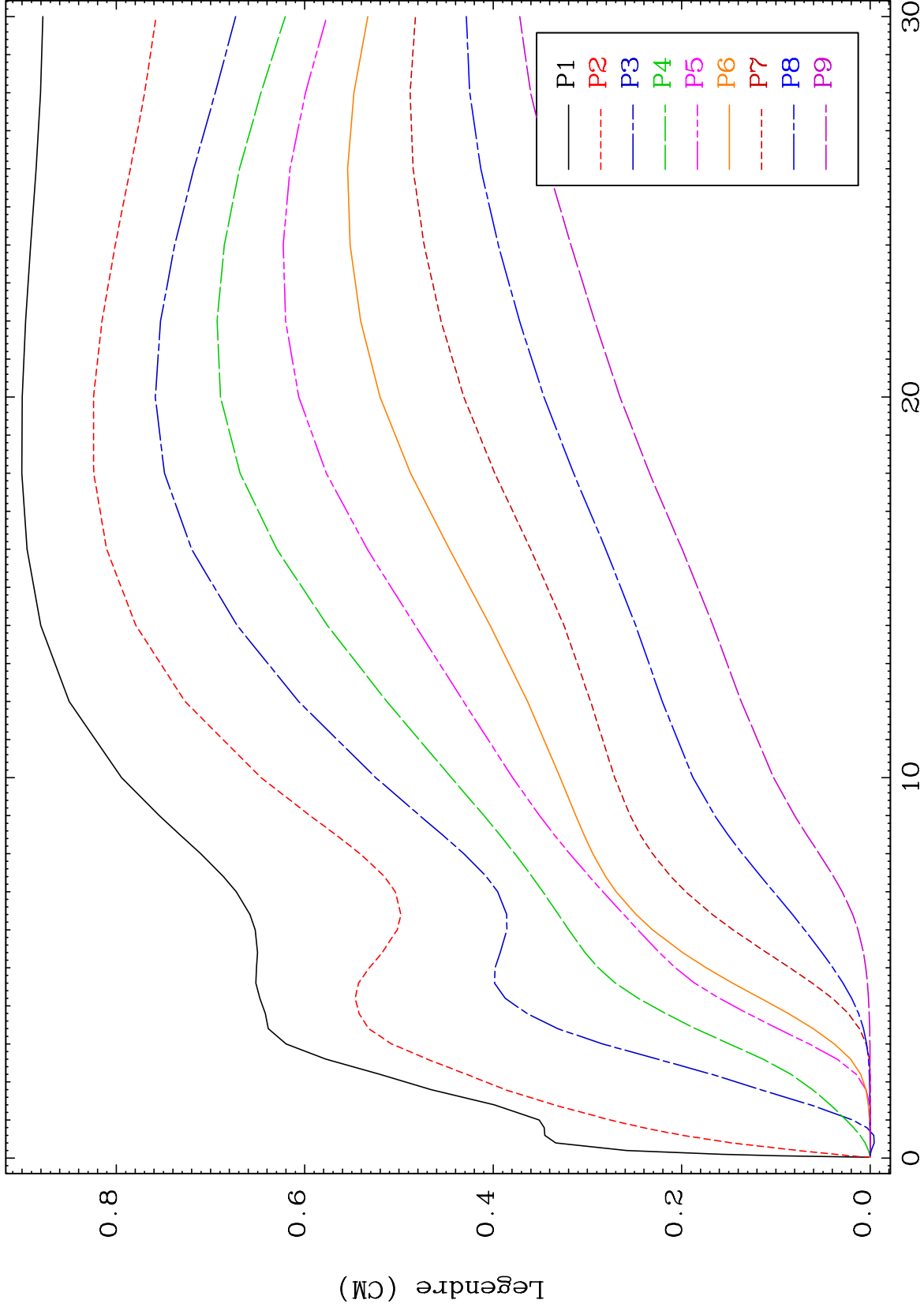
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54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



16

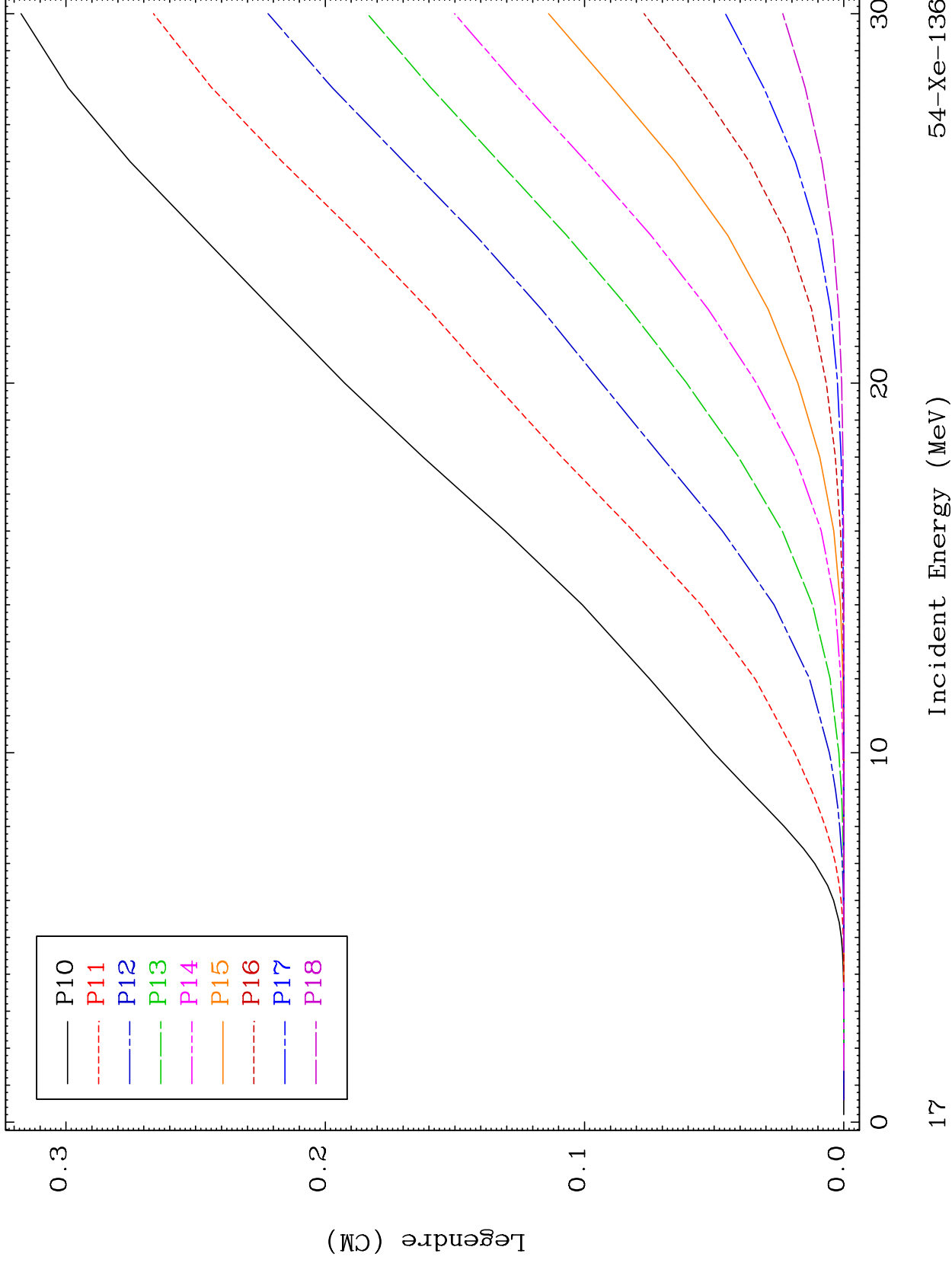
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



17

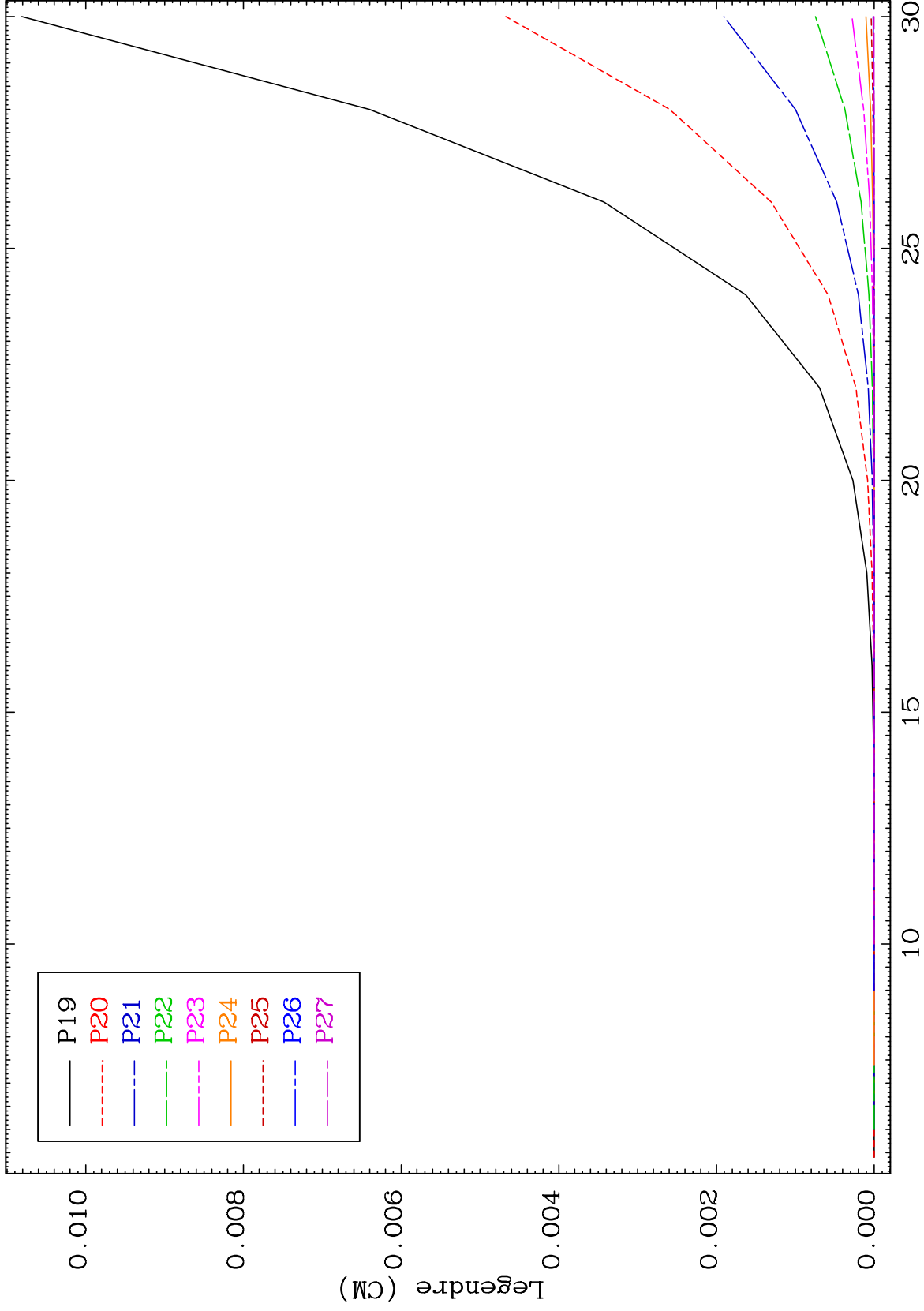
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



18

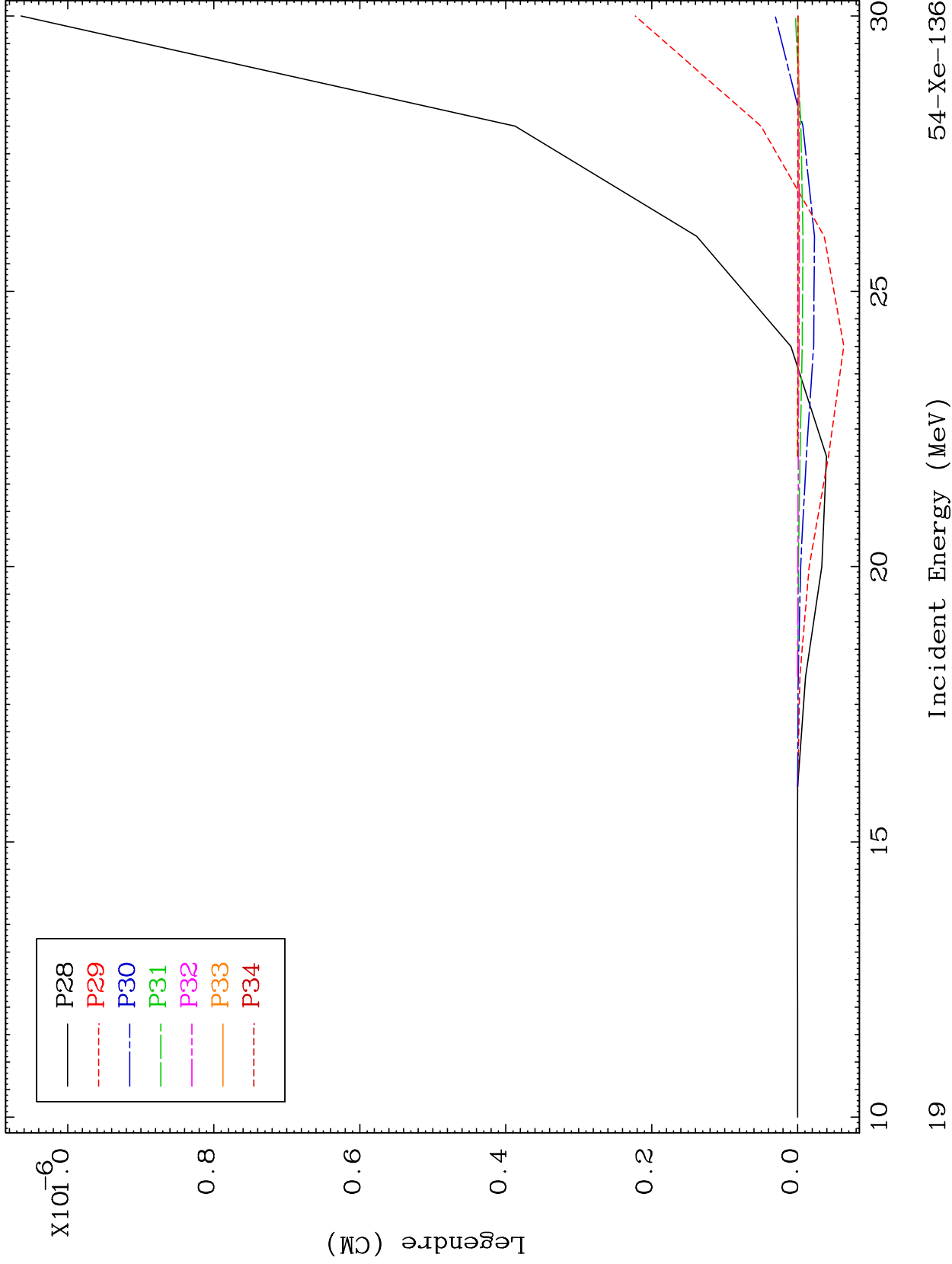
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic
Legendre Coefficients

54-Xe-136



19

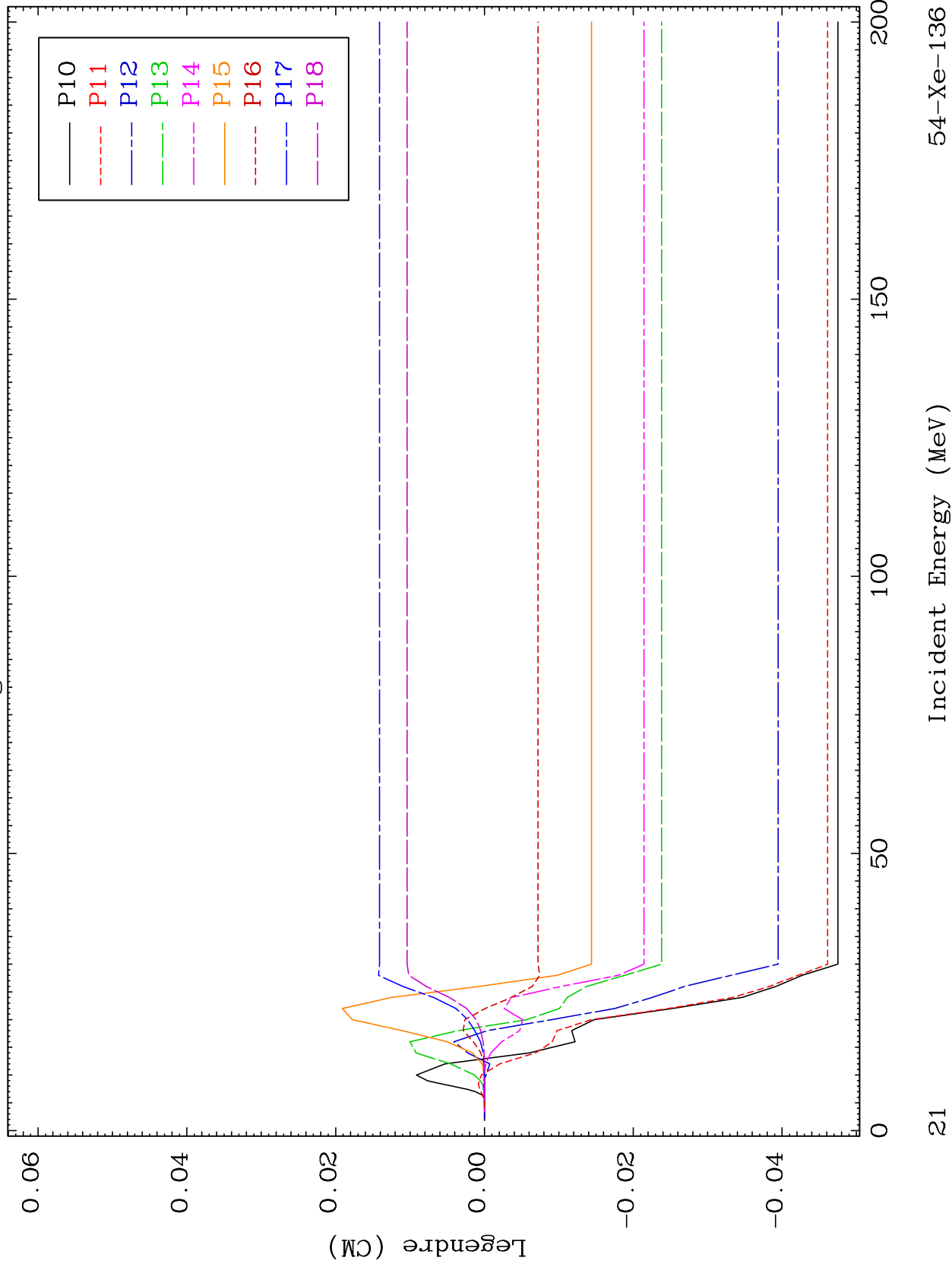
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 51 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

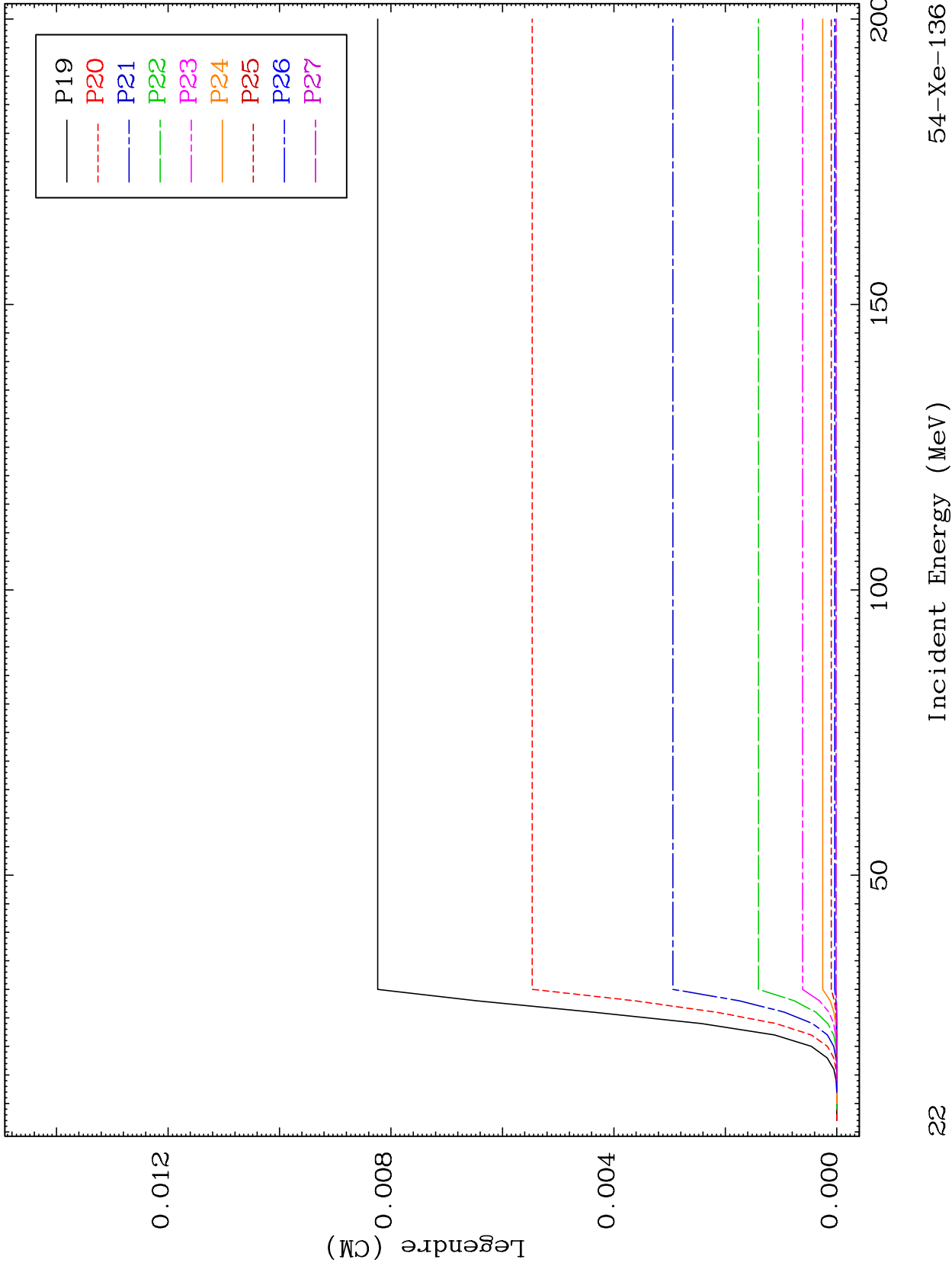
Incident Energy (MeV)

21

MAT 5461

MT= 51 (n,n') Level
Legendre Coefficients

54-Xe-136



22

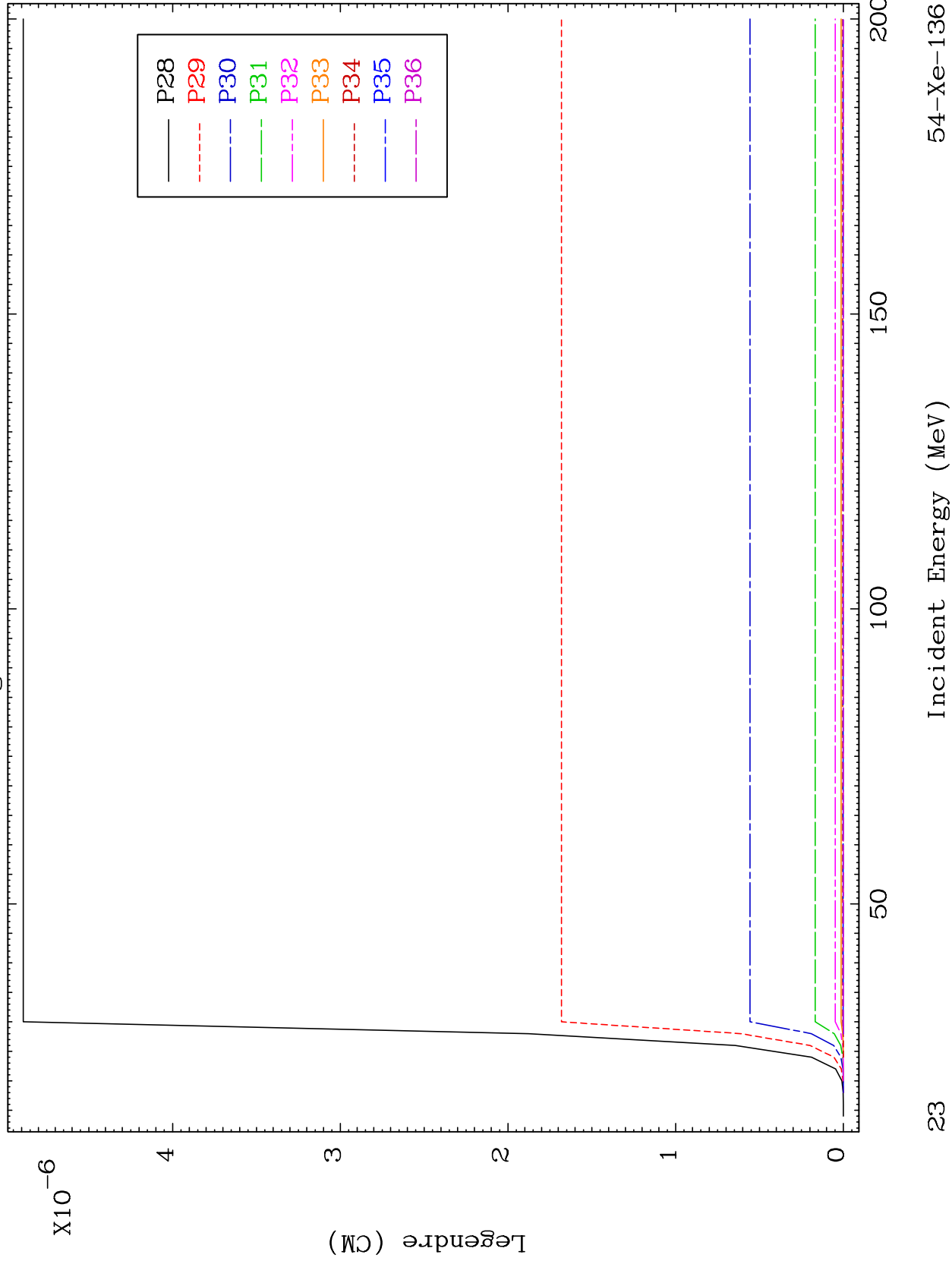
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 51 (n,n') Level
Legendre Coefficients

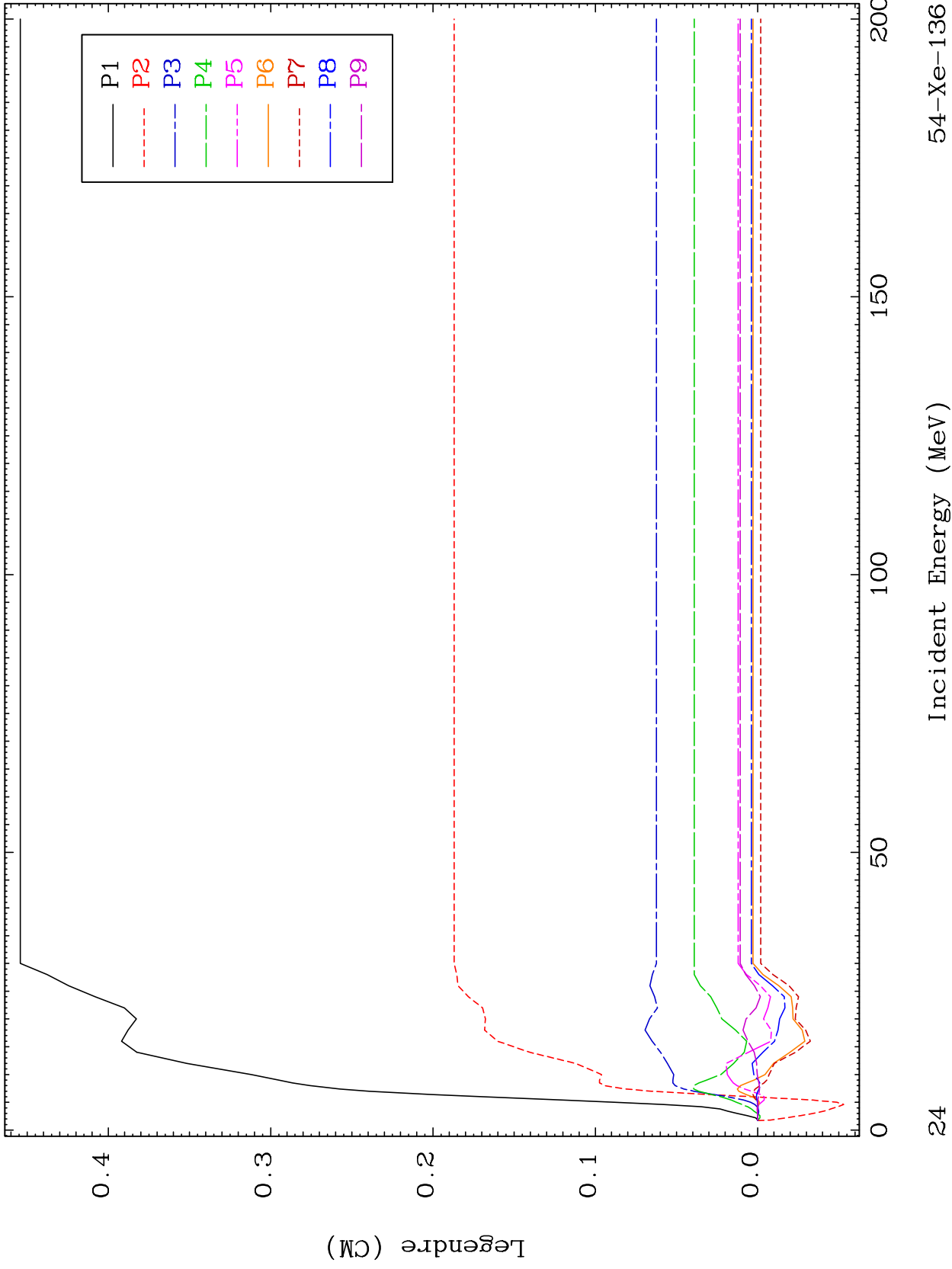
54-Xe-136



MAT 5461

MT= 52 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

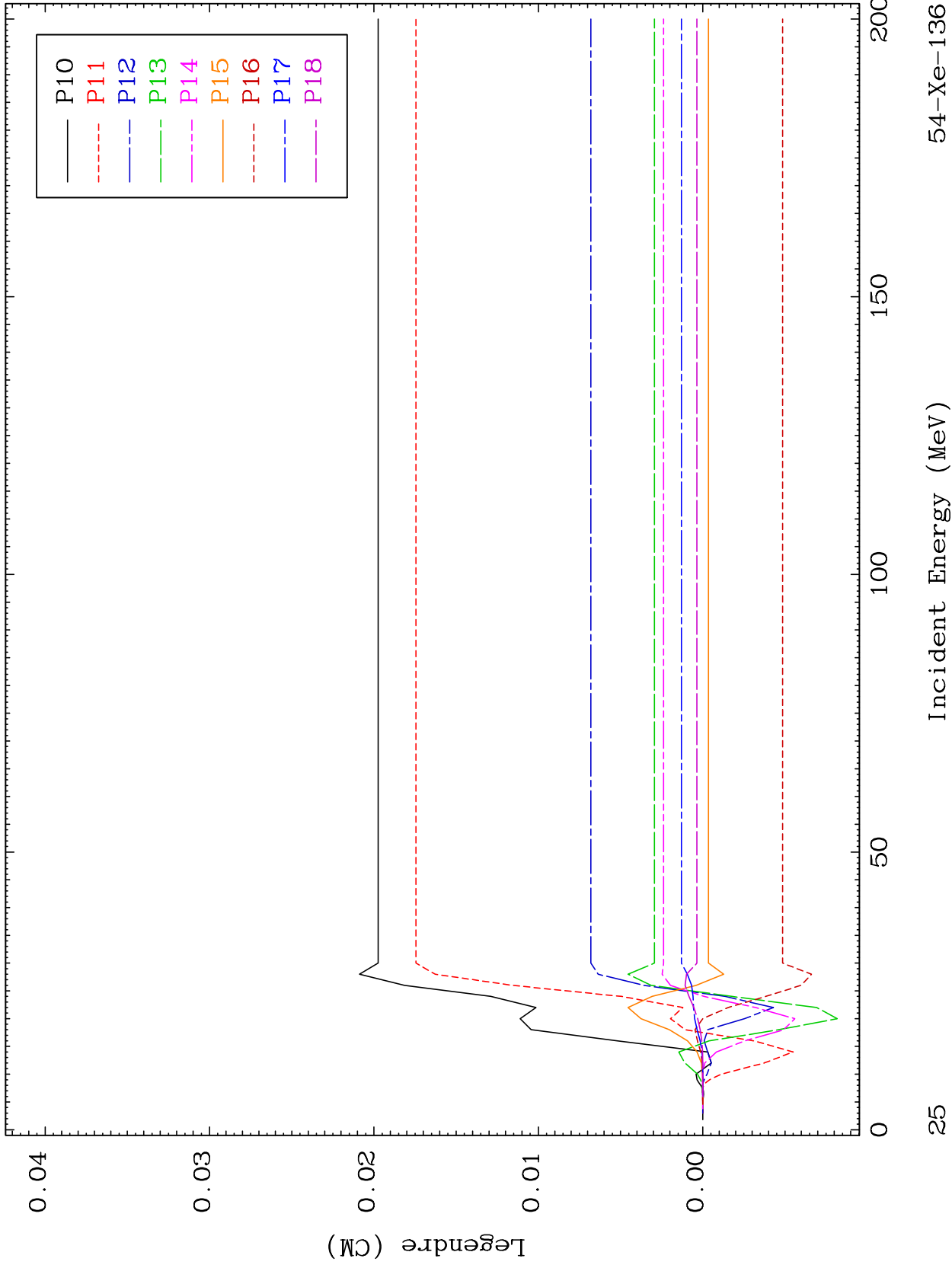
Incident Energy (MeV)

24

MAT 5461

MT= 52 (n,n') Level
Legendre Coefficients

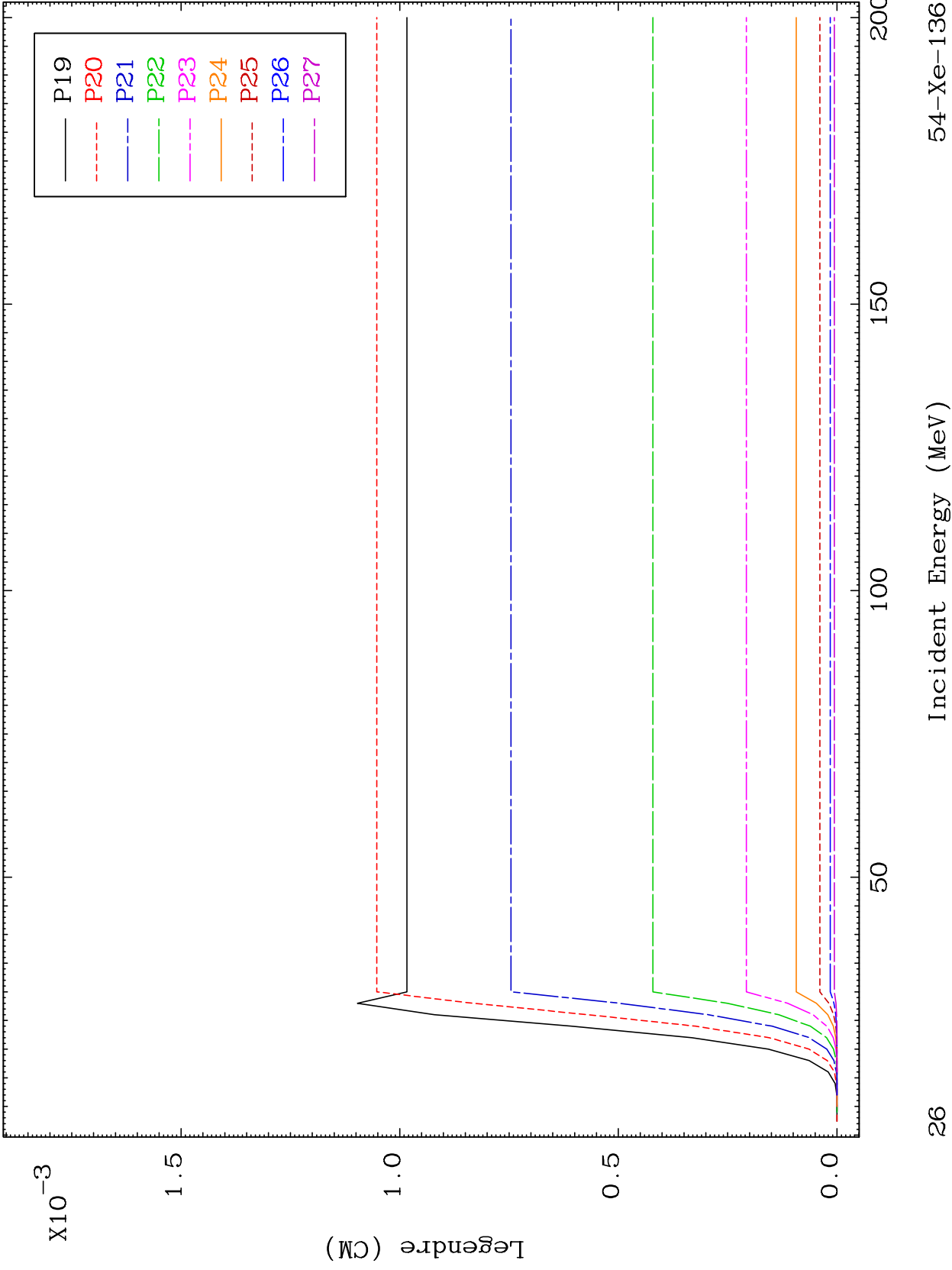
54-Xe-136



54-Xe-136

Incident Energy (MeV)

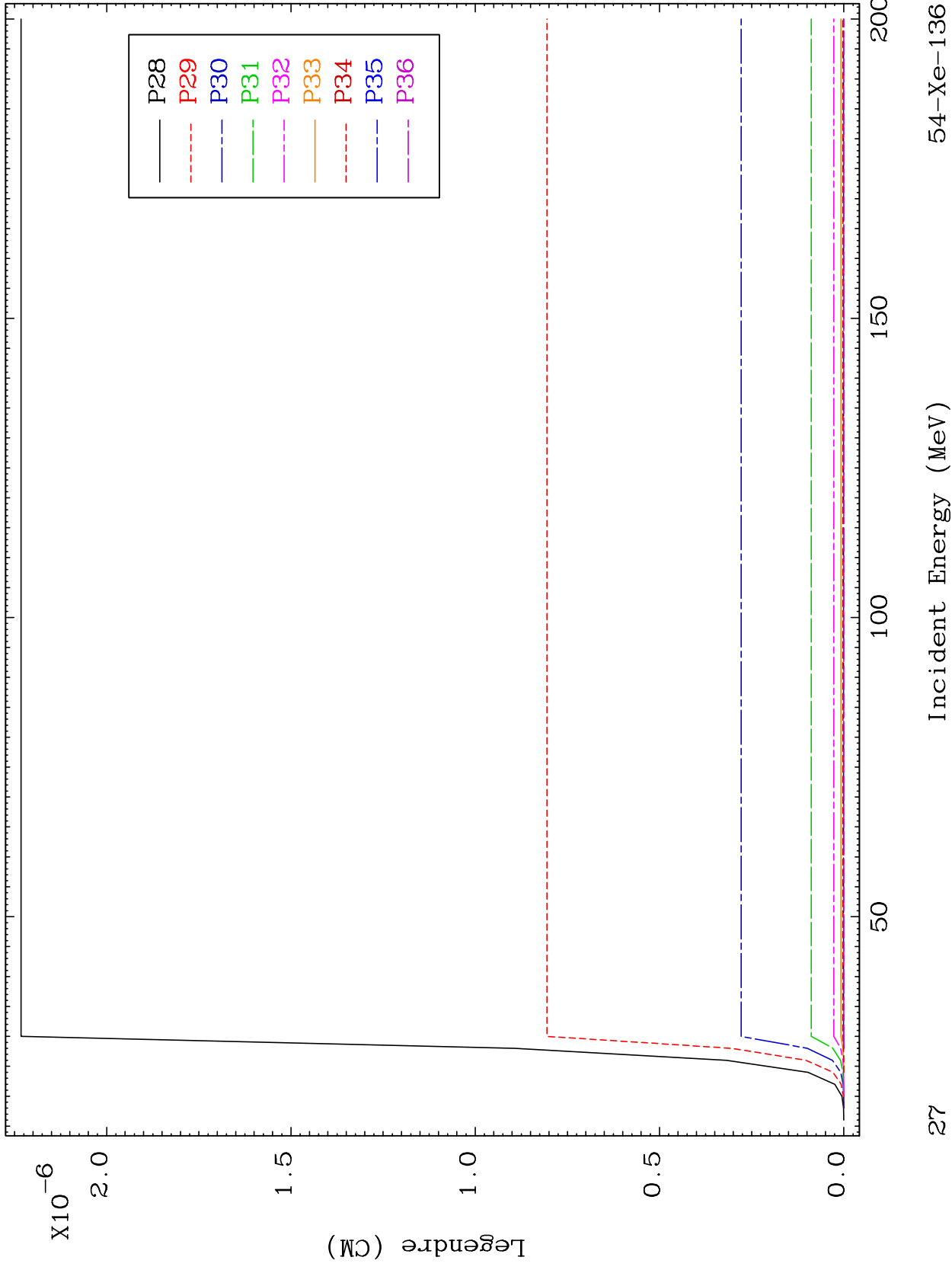
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MAT 5461

MT= 52 (n,n') Level
Legendre Coefficients

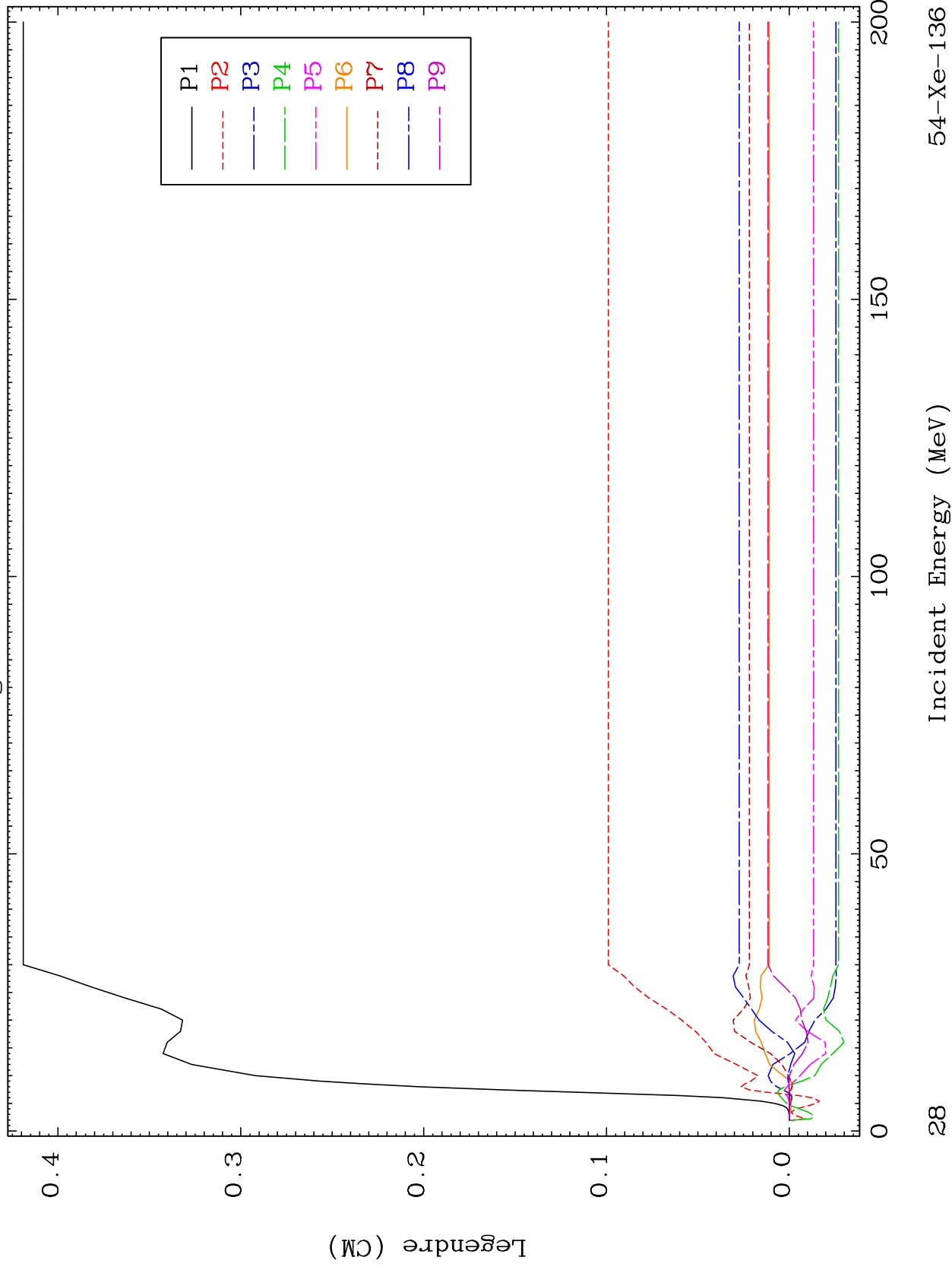
54-Xe-136



MAT 5461

MT= 53 (n,n') Level
Legendre Coefficients

54-Xe-136



28

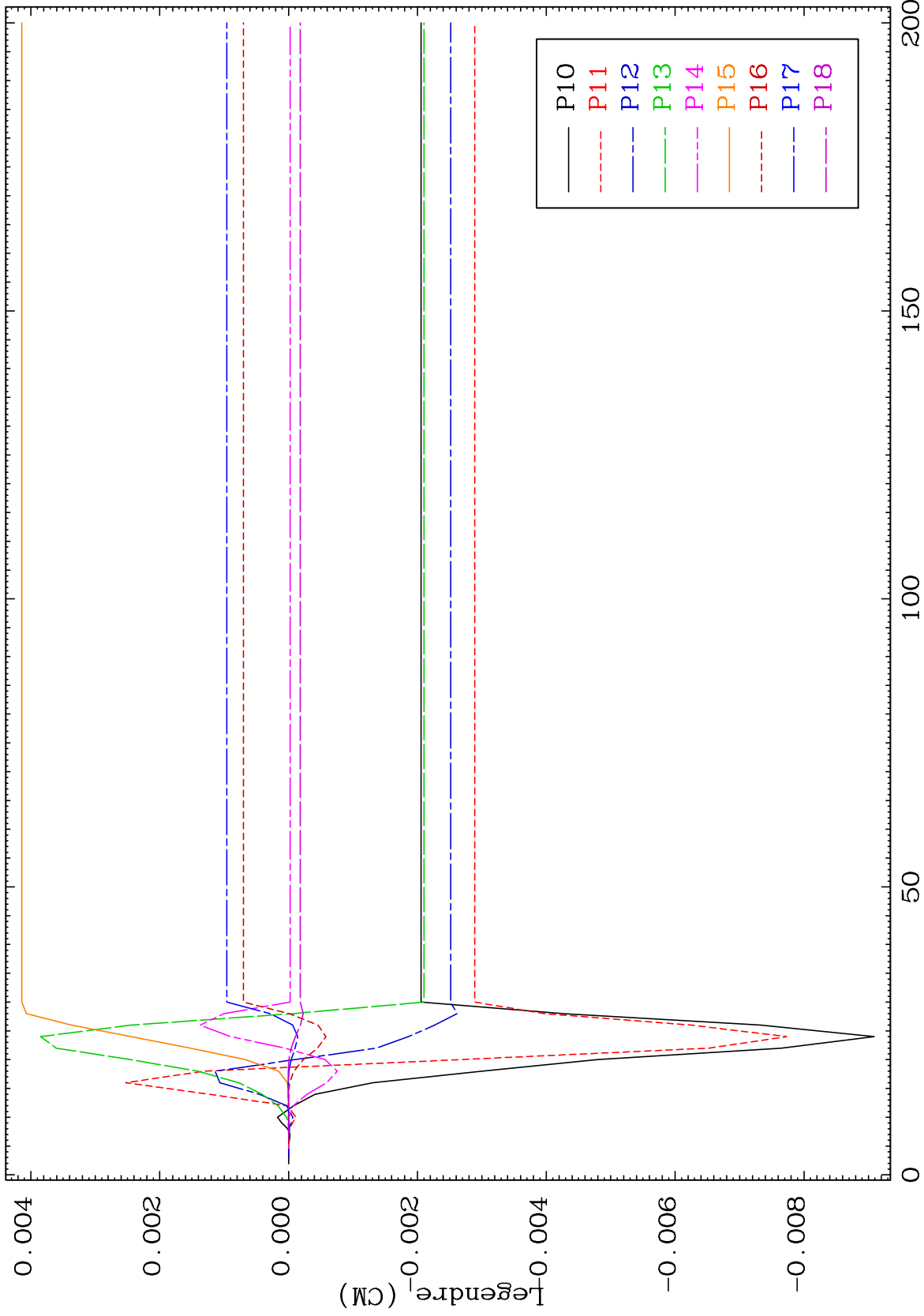
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 53 (n,n') Level
Legendre Coefficients

54-Xe-136



29

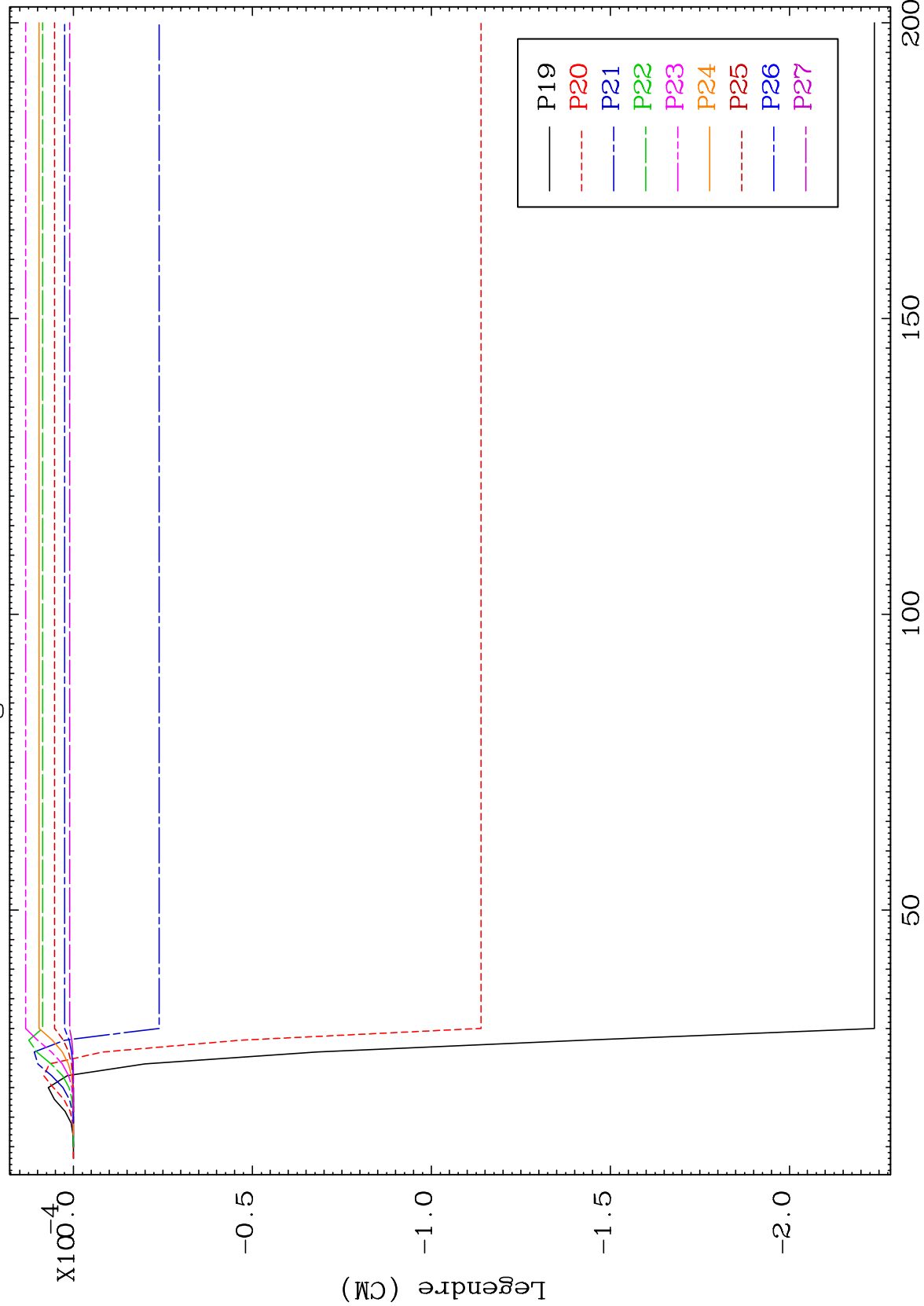
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 53 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

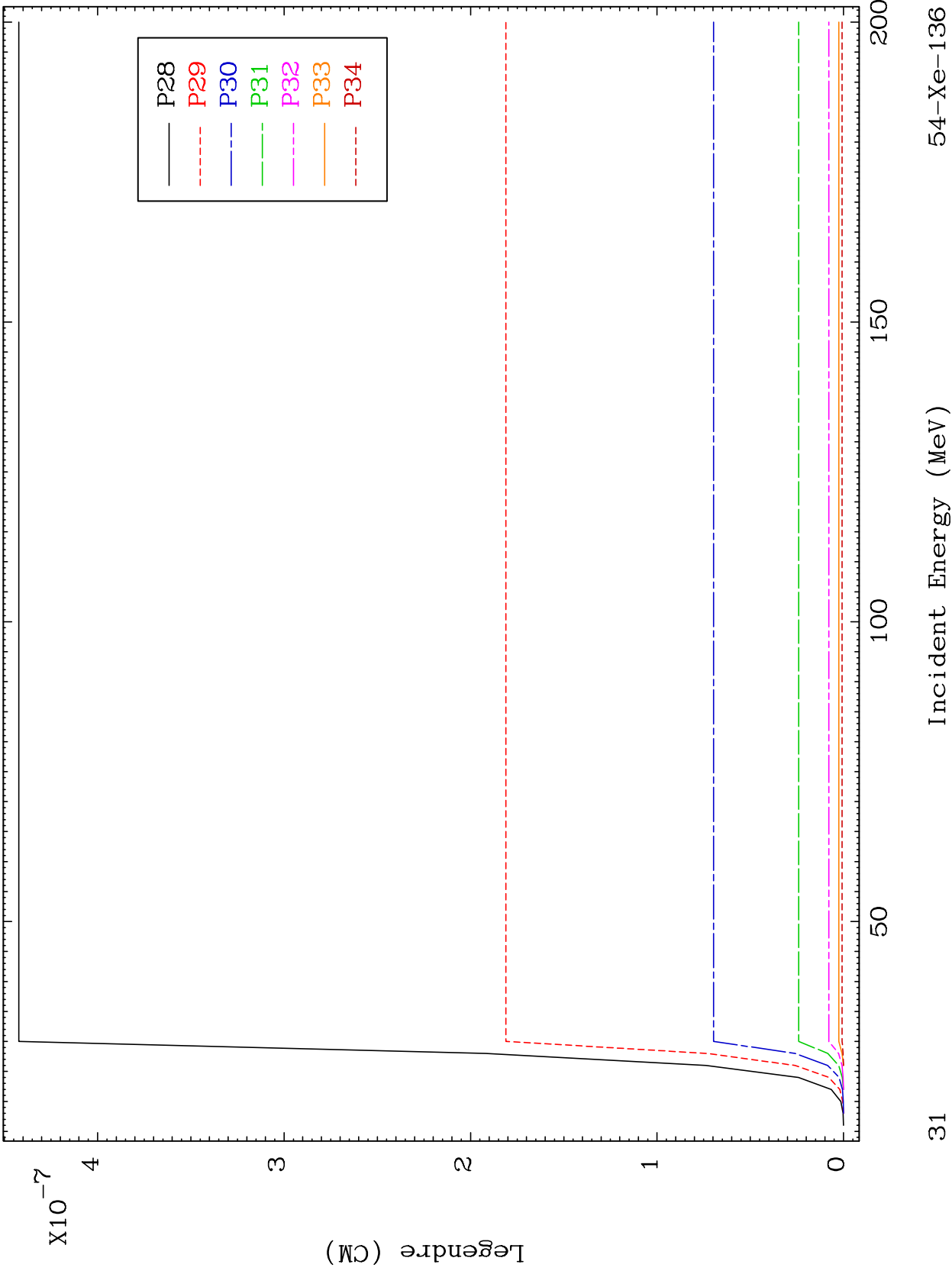
Incident Energy (MeV)

30

MAT 5461

MT= 53 (n,n') Level
Legendre Coefficients

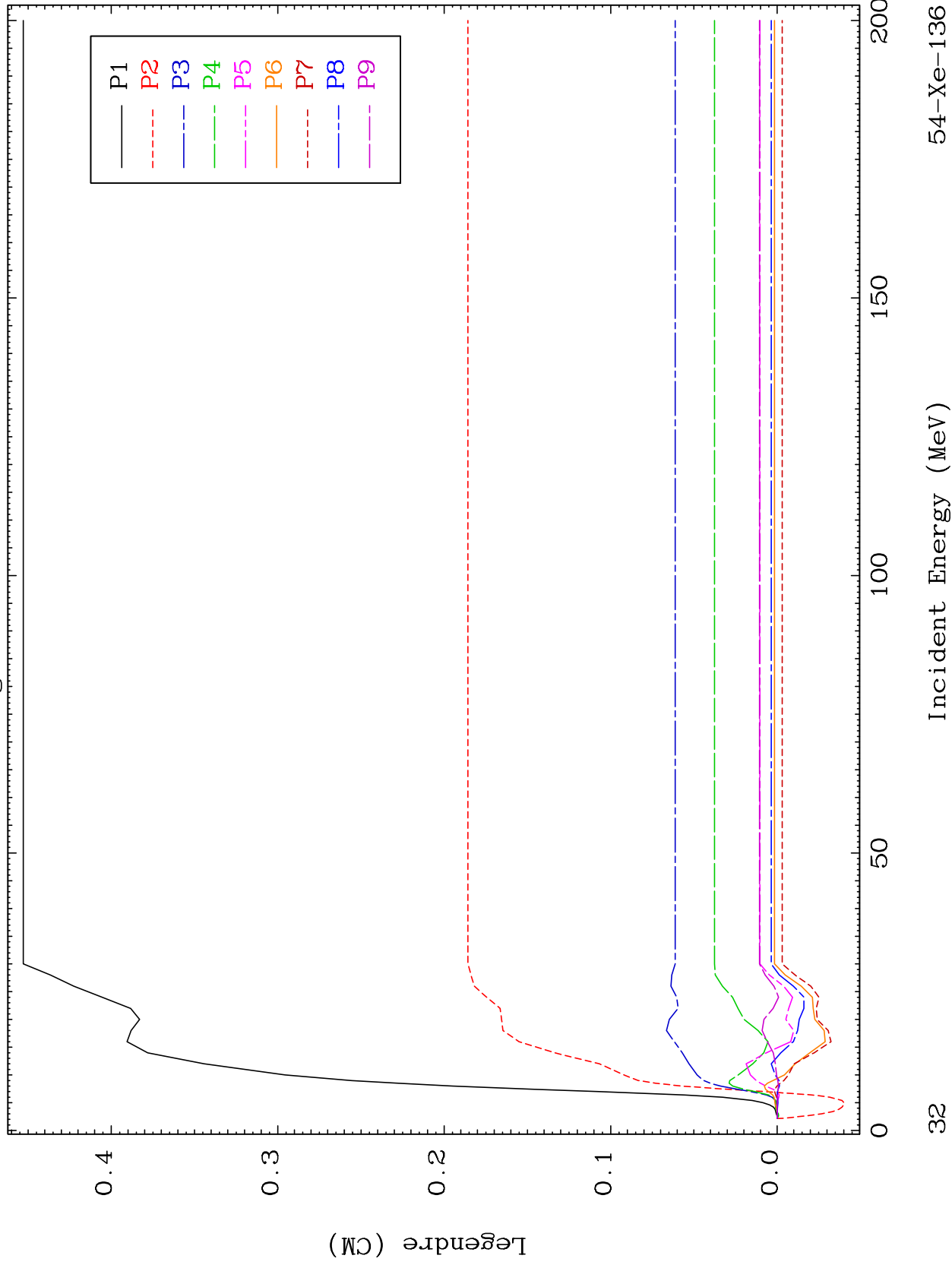
54-Xe-136



MAT 5461

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

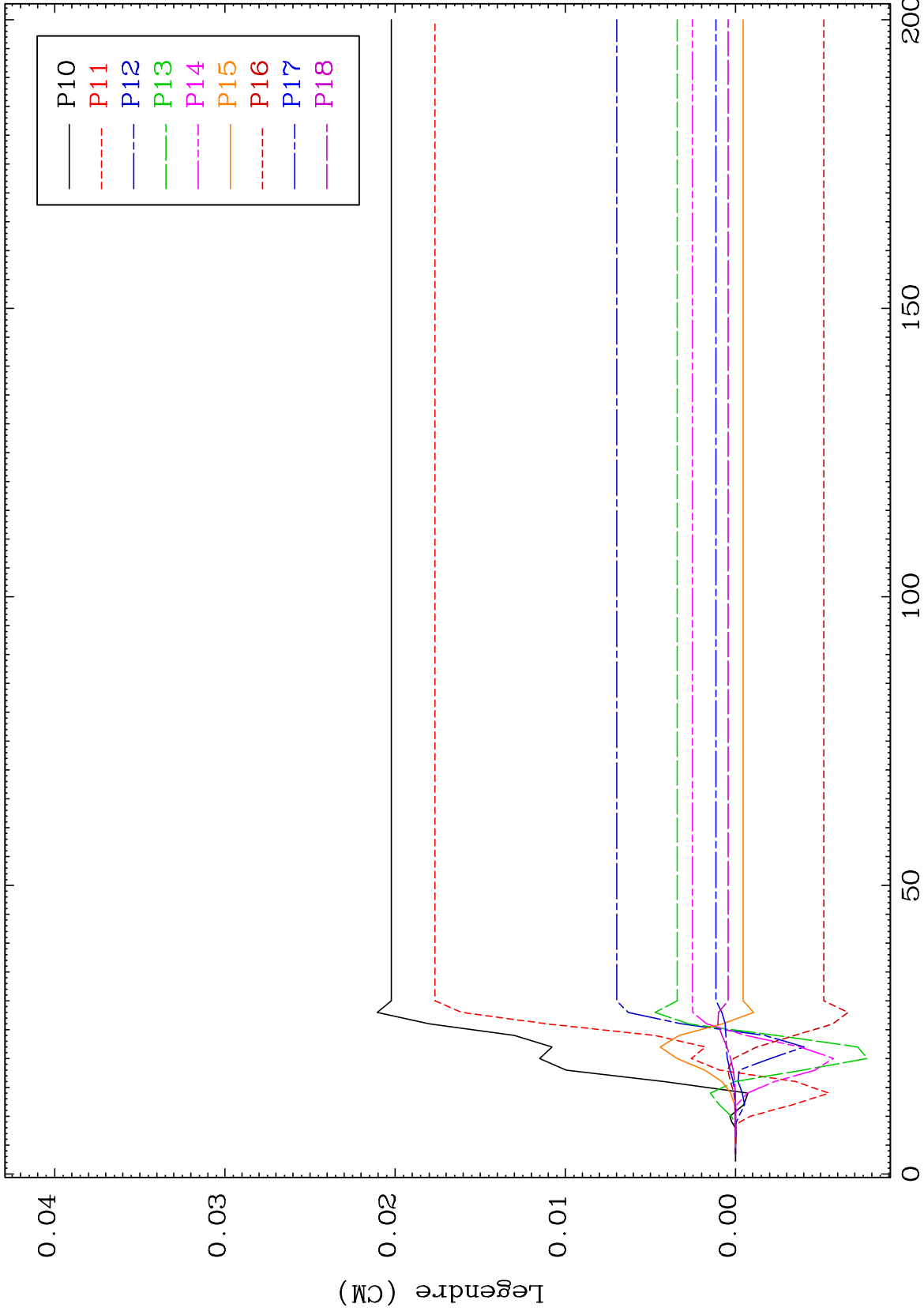
Incident Energy (MeV)

32

MAT 5461

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-136



33

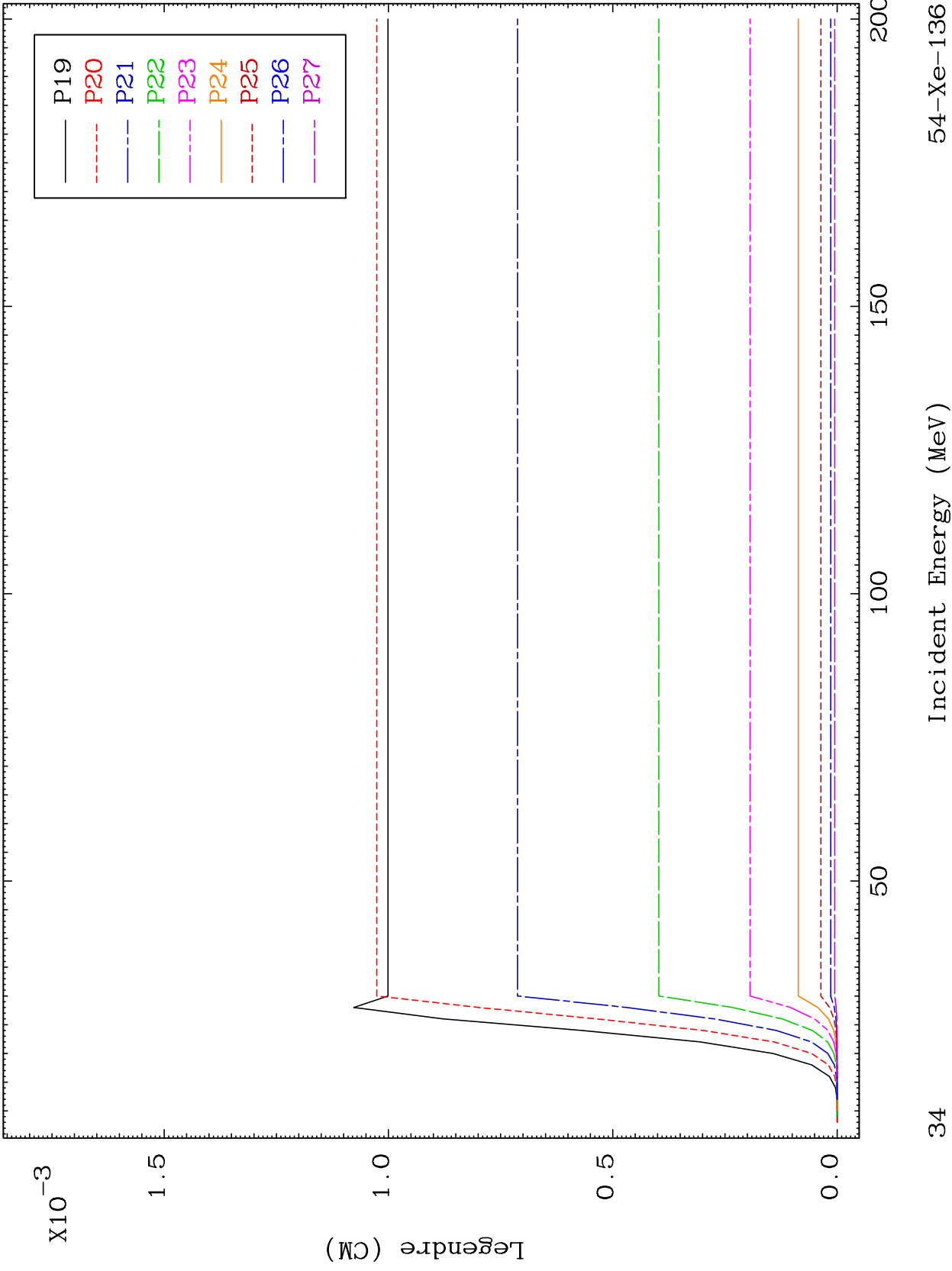
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-136



34

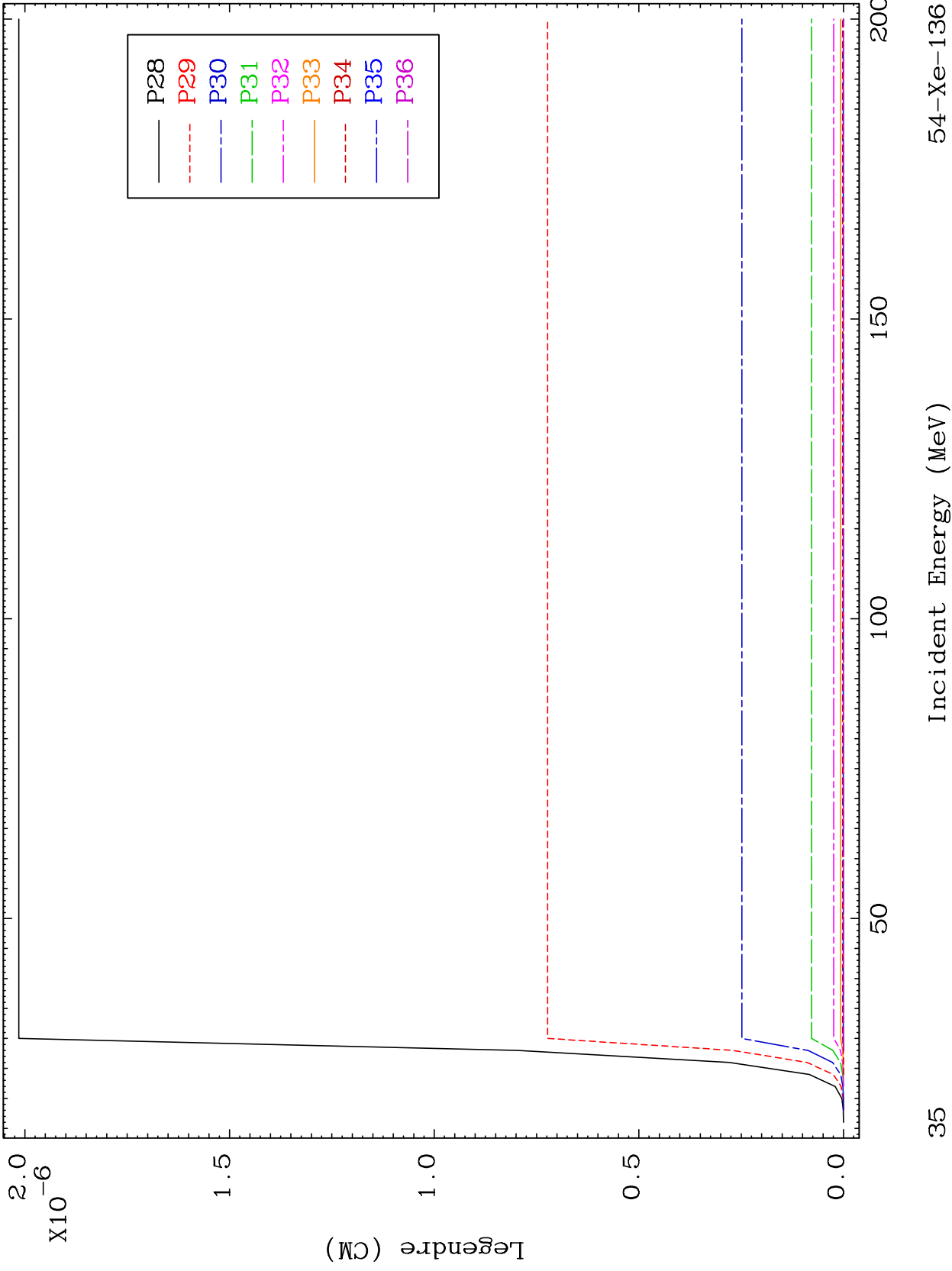
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-136



35

Incident Energy (MeV)

54-Xe-136

200

150

100

50

2.0
 $\times 10^{-6}$

1.5

1.0

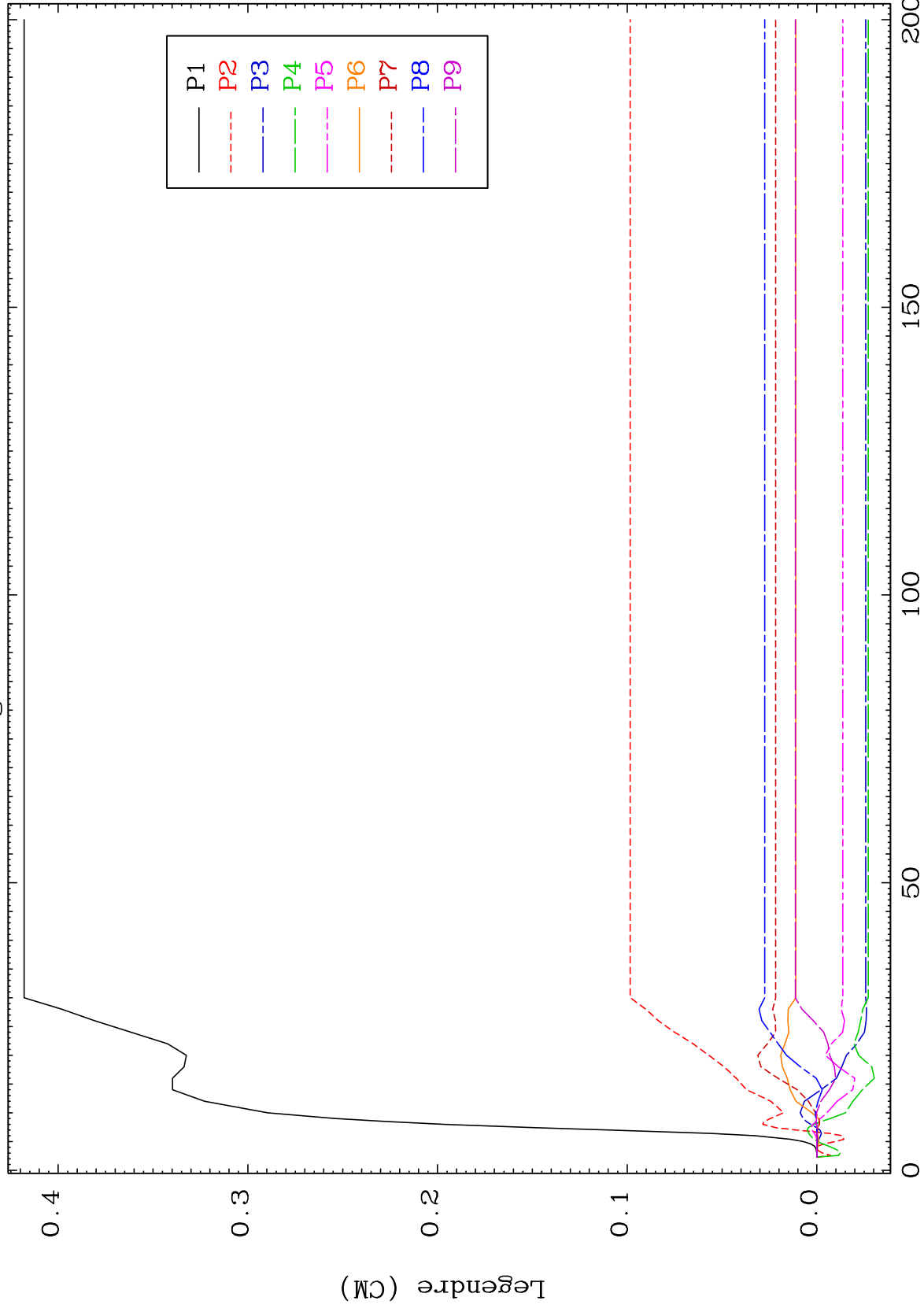
0.5

0.0

MAT 5461

MT= 55 (n,n') Level
Legendre Coefficients

54-Xe-136



36

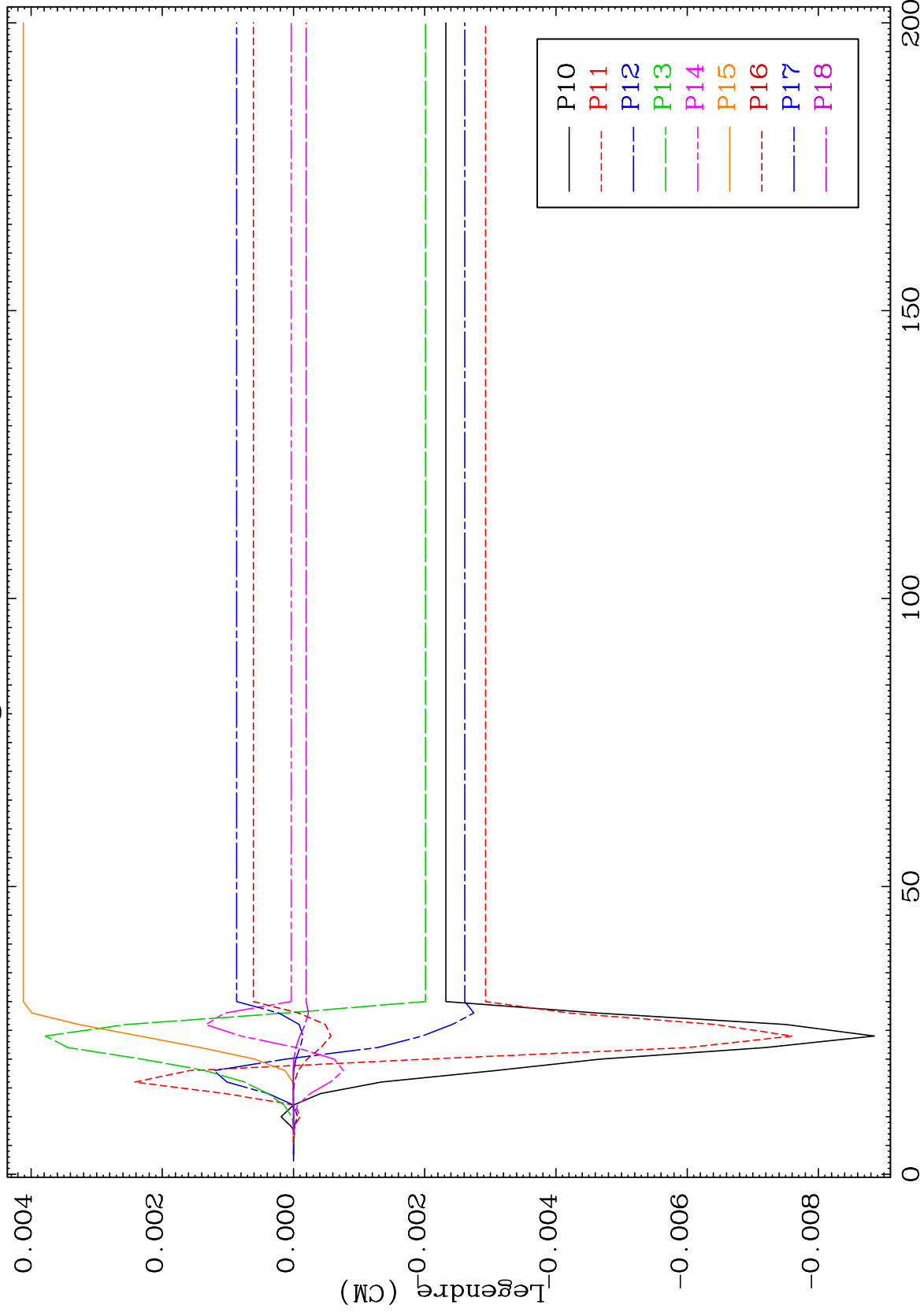
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 55 (n,n') Level
Legendre Coefficients

54-Xe-136



37

Incident Energy (MeV)

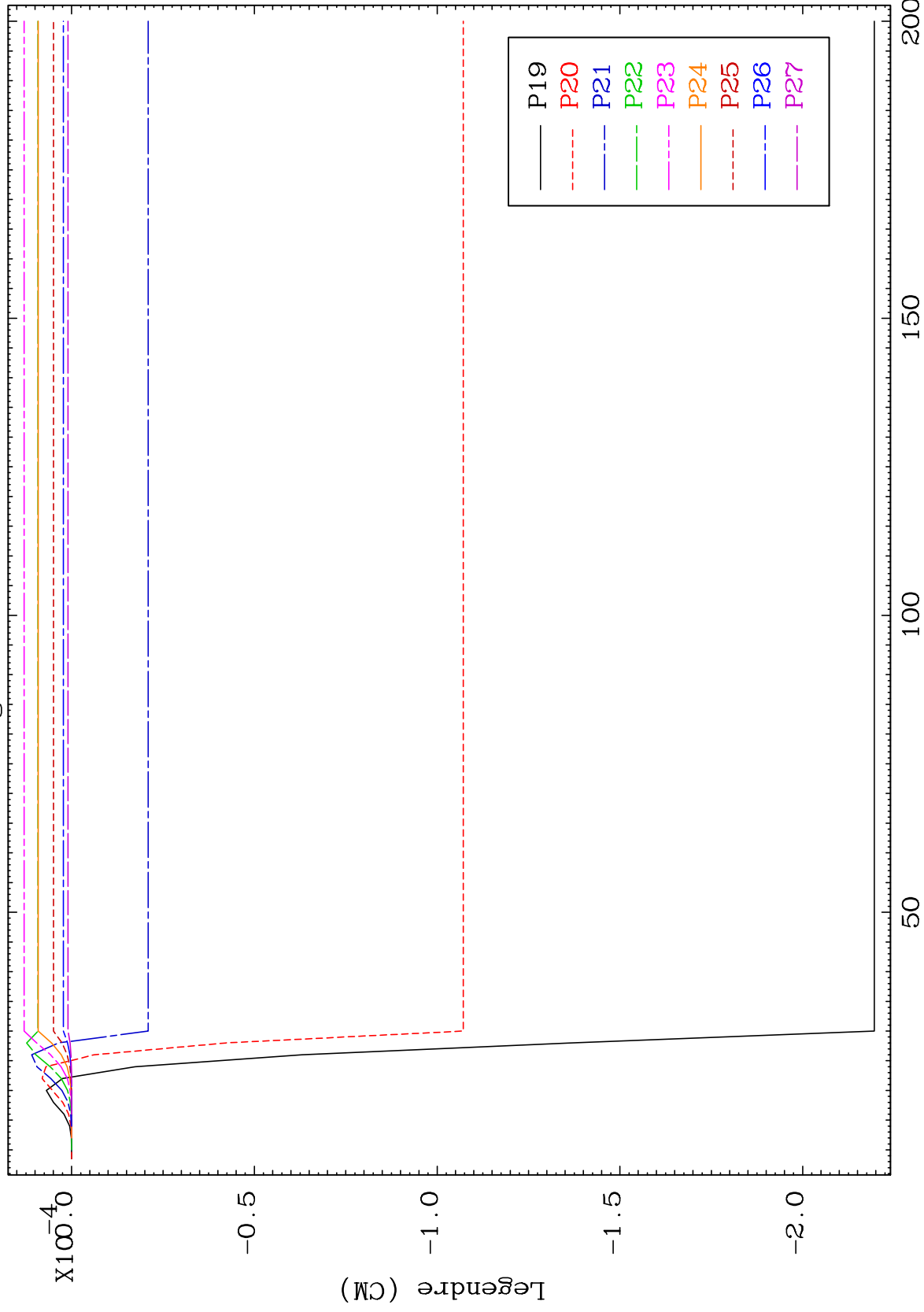
54-Xe-136

MAT 5461

MT= 55 (n,n') Level

54-Xe-136

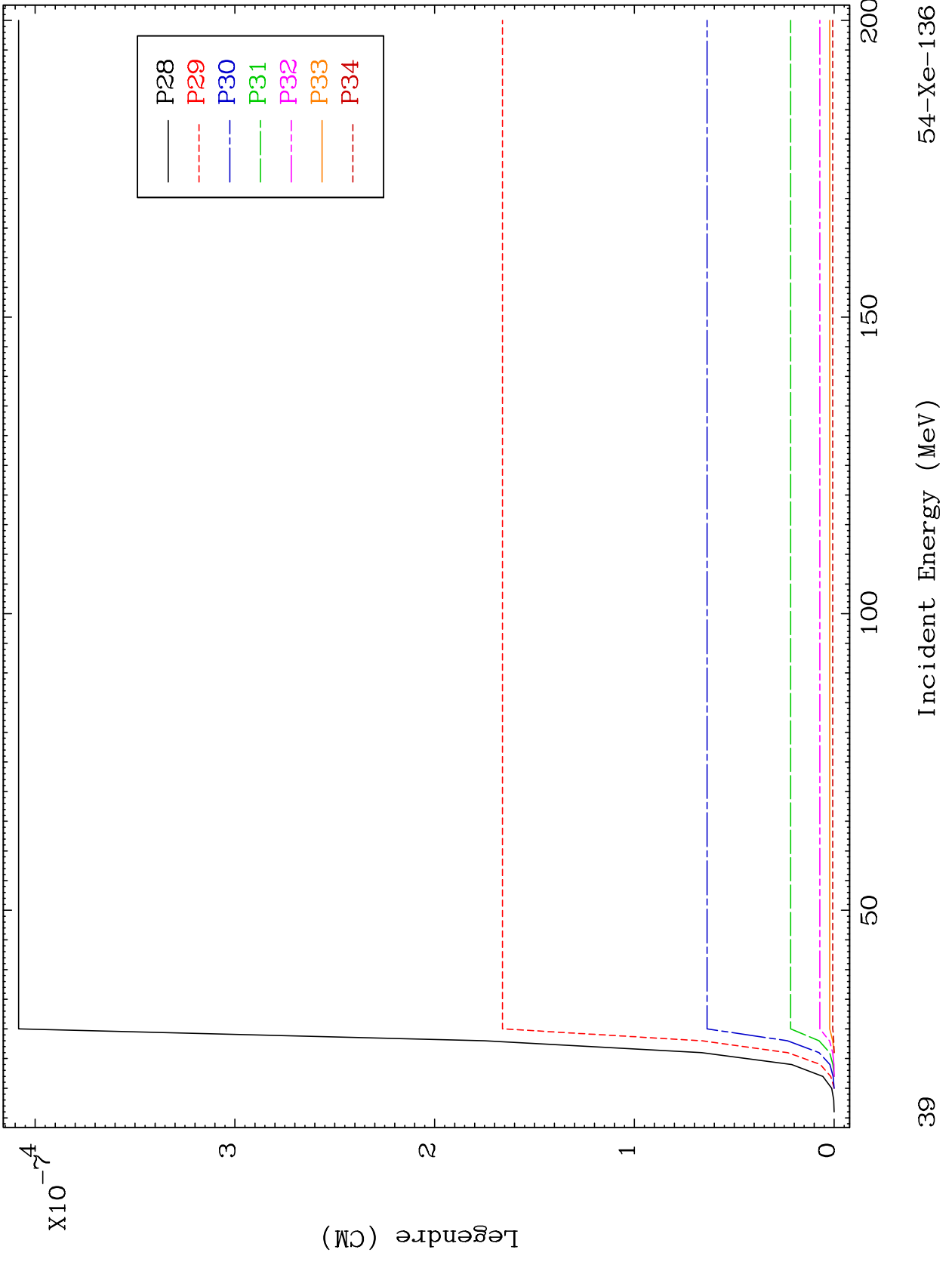
Legendre Coefficients



MAT 5461

MT= 55 (n,n') Level
Legendre Coefficients

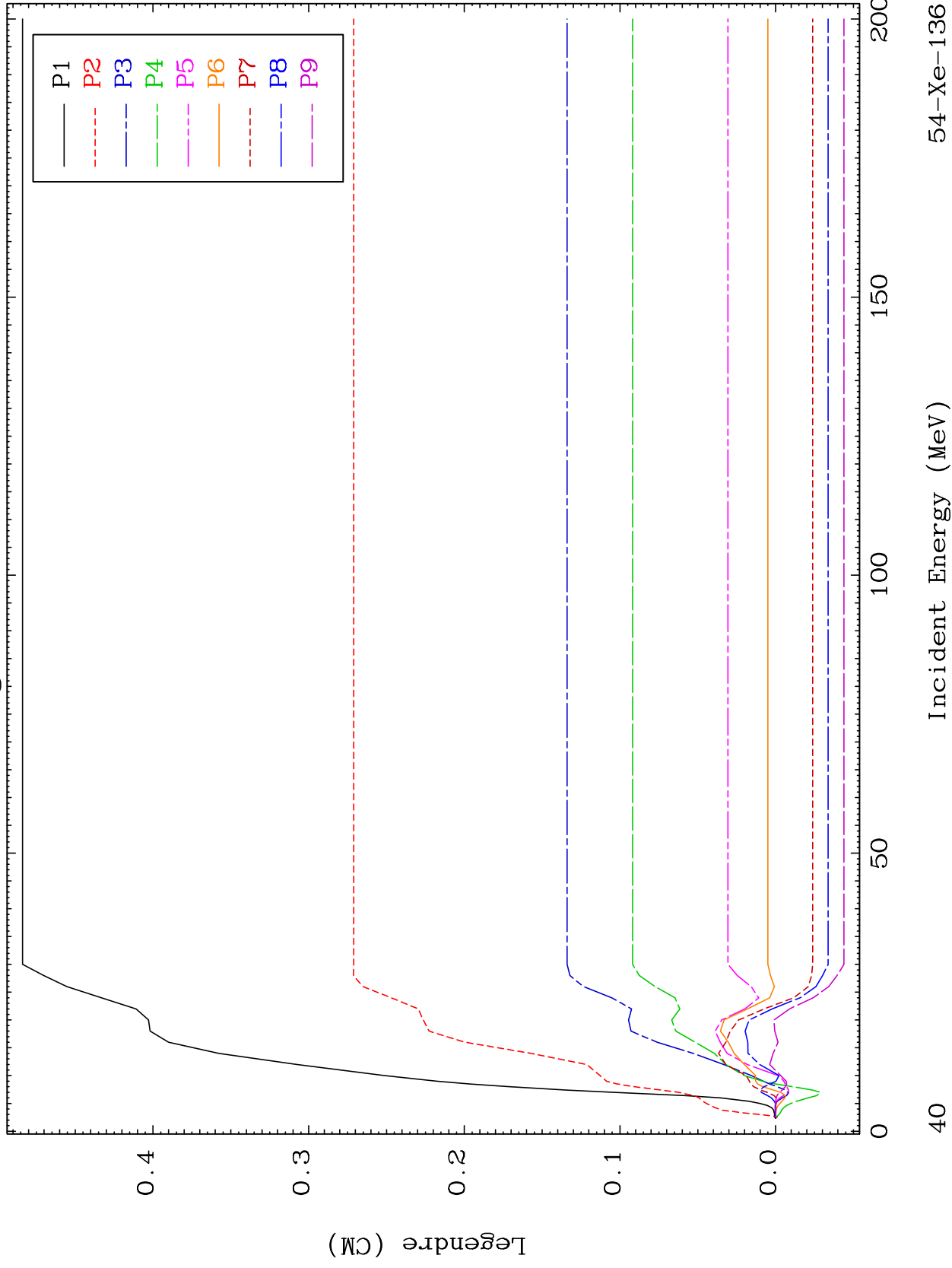
54-Xe-136



MAT 5461

MT= 56 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

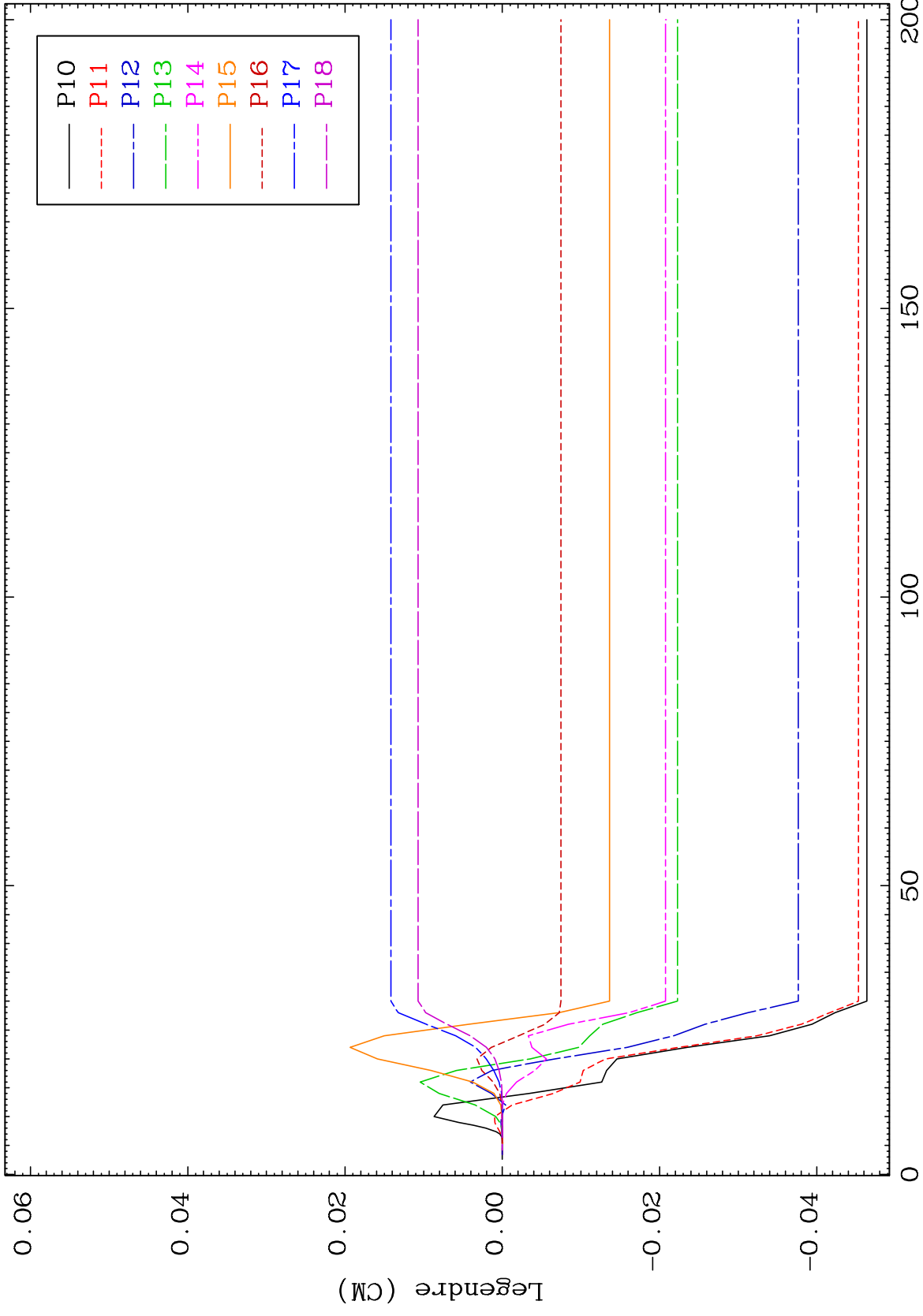
Incident Energy (MeV)

40

MAT 5461

MT= 56 (n,n') Level
Legendre Coefficients

54-Xe-136



41

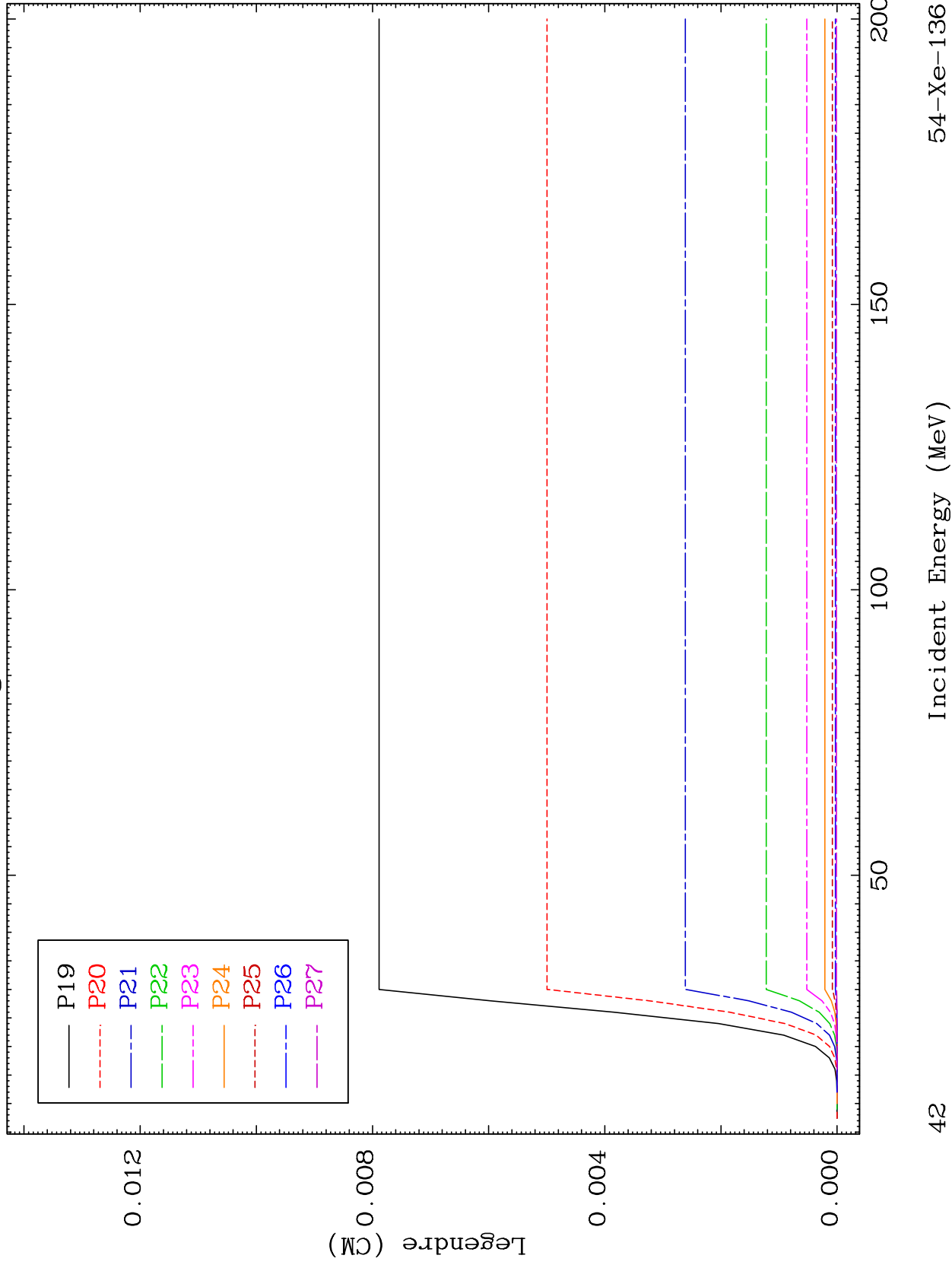
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 56 (n,n') Level
Legendre Coefficients

54-Xe-136



42

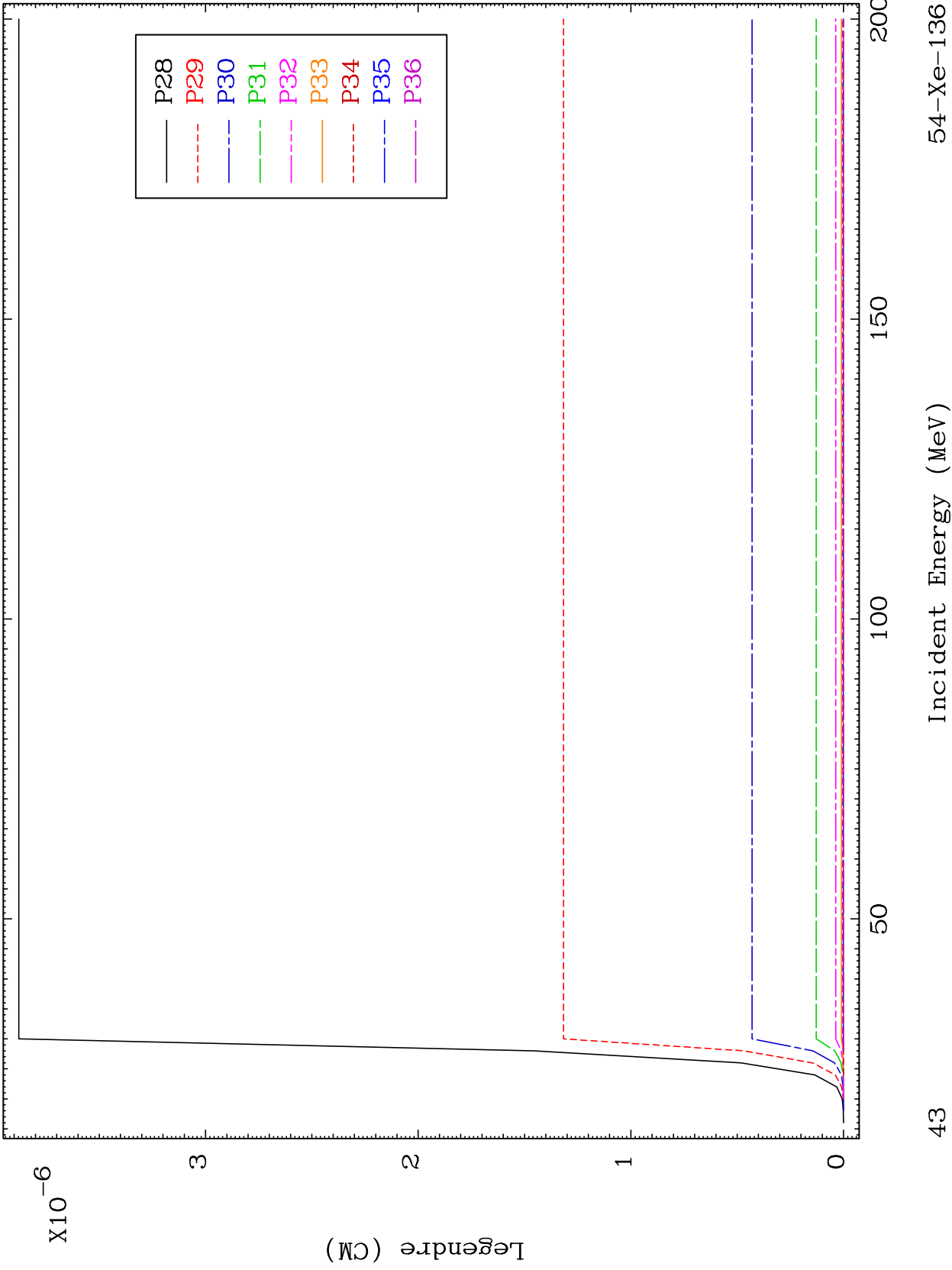
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 56 (n,n') Level
Legendre Coefficients

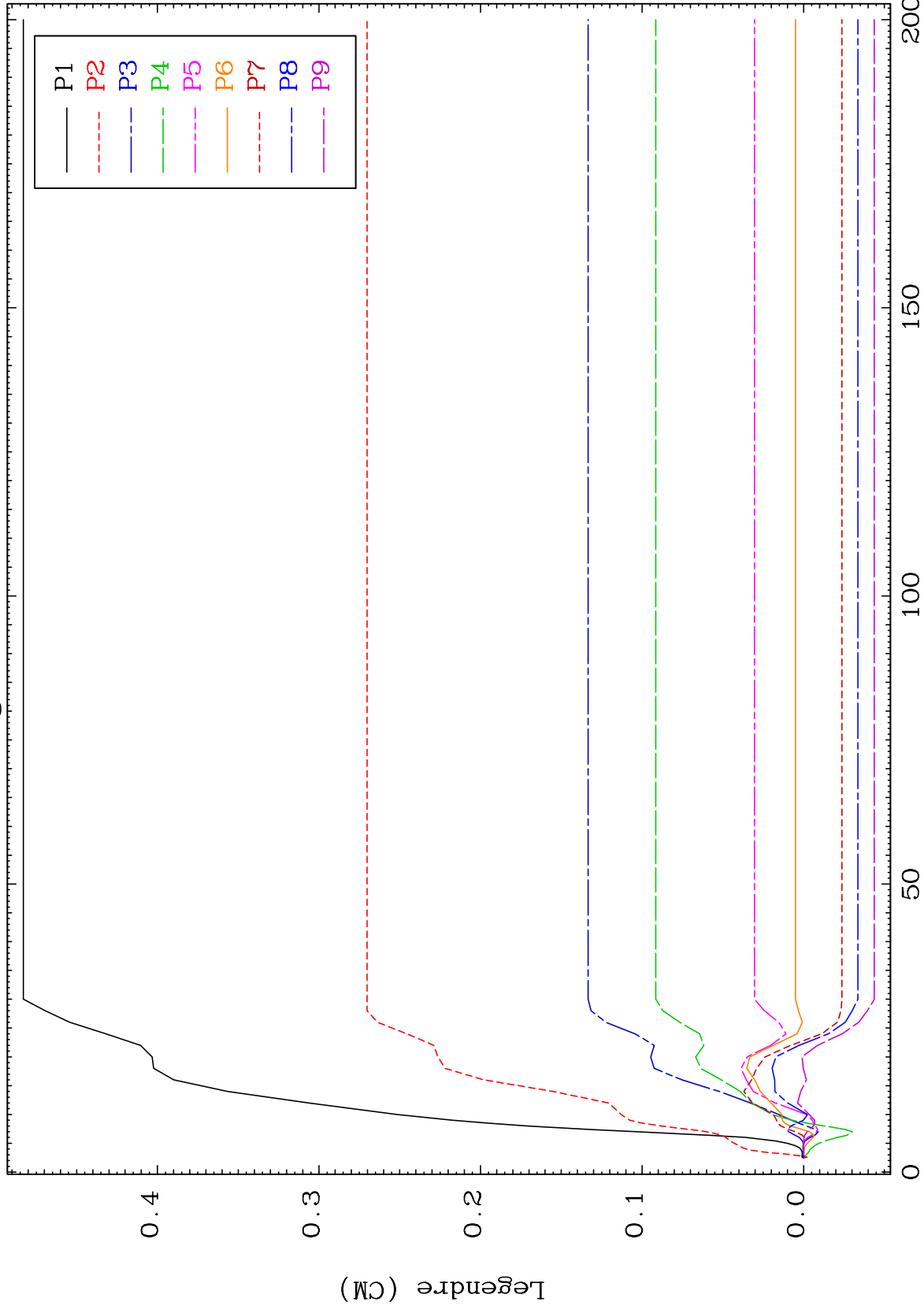
54-Xe-136



MAT 5461

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-136



44

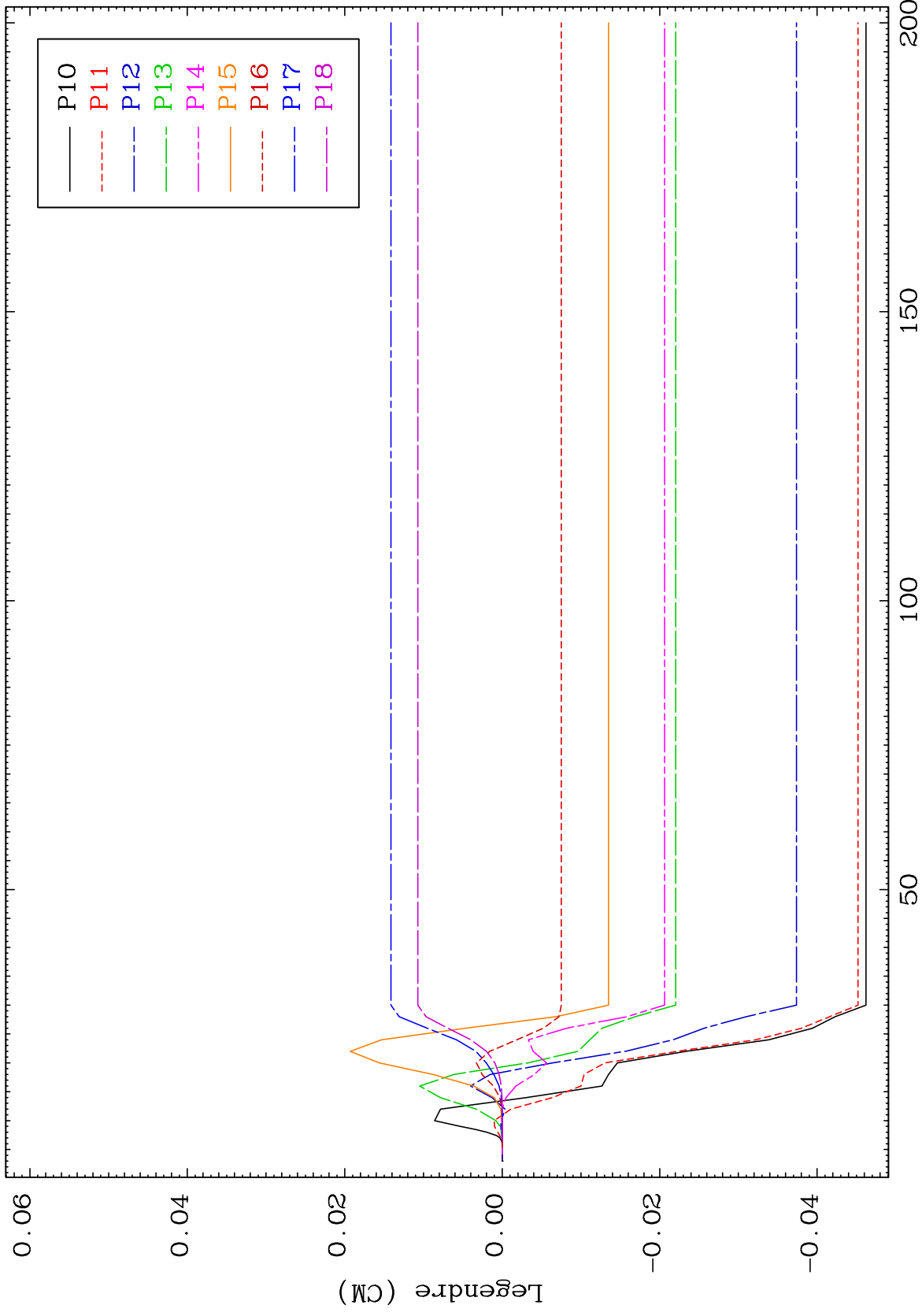
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-136



45

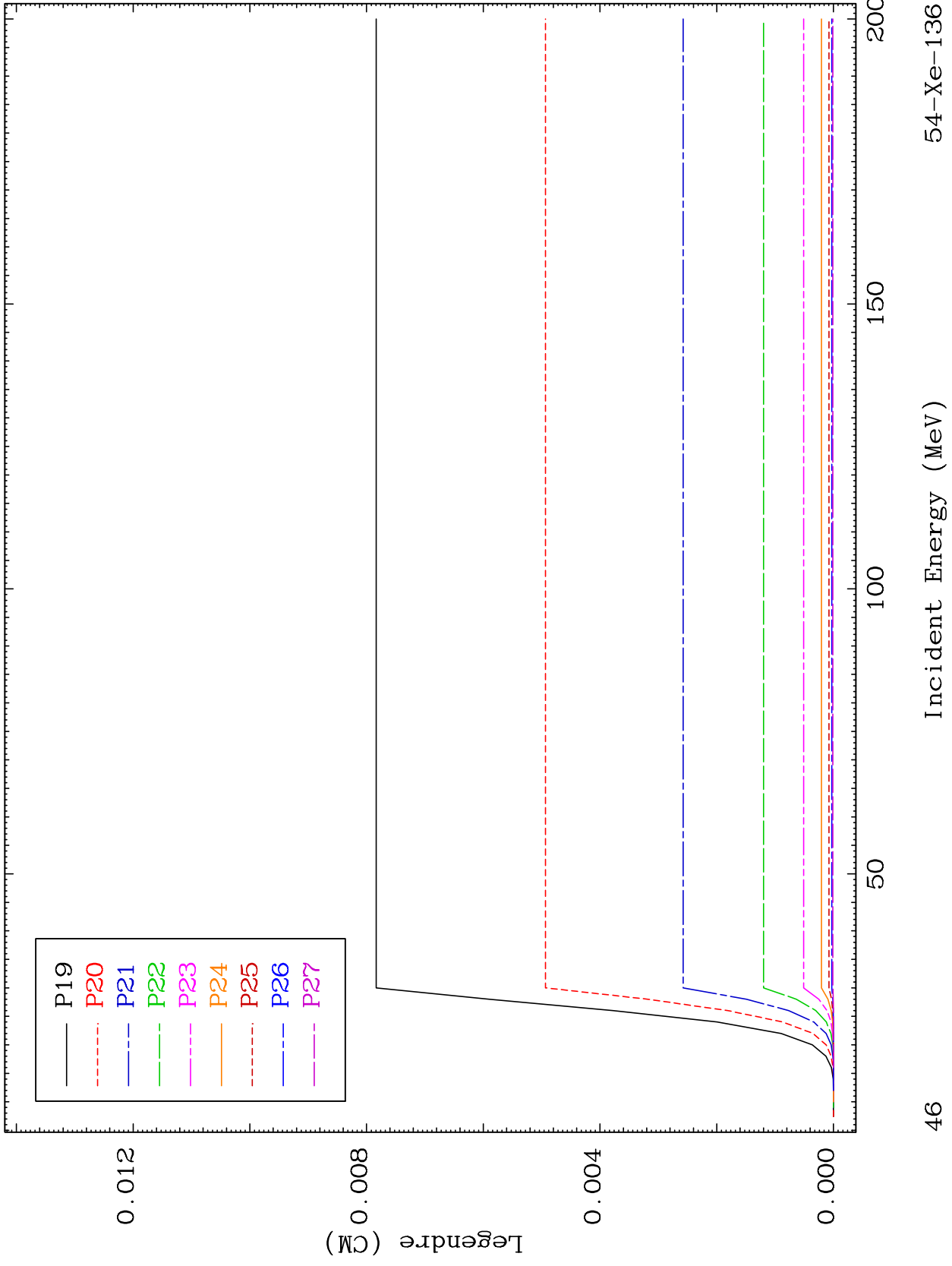
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-136



46

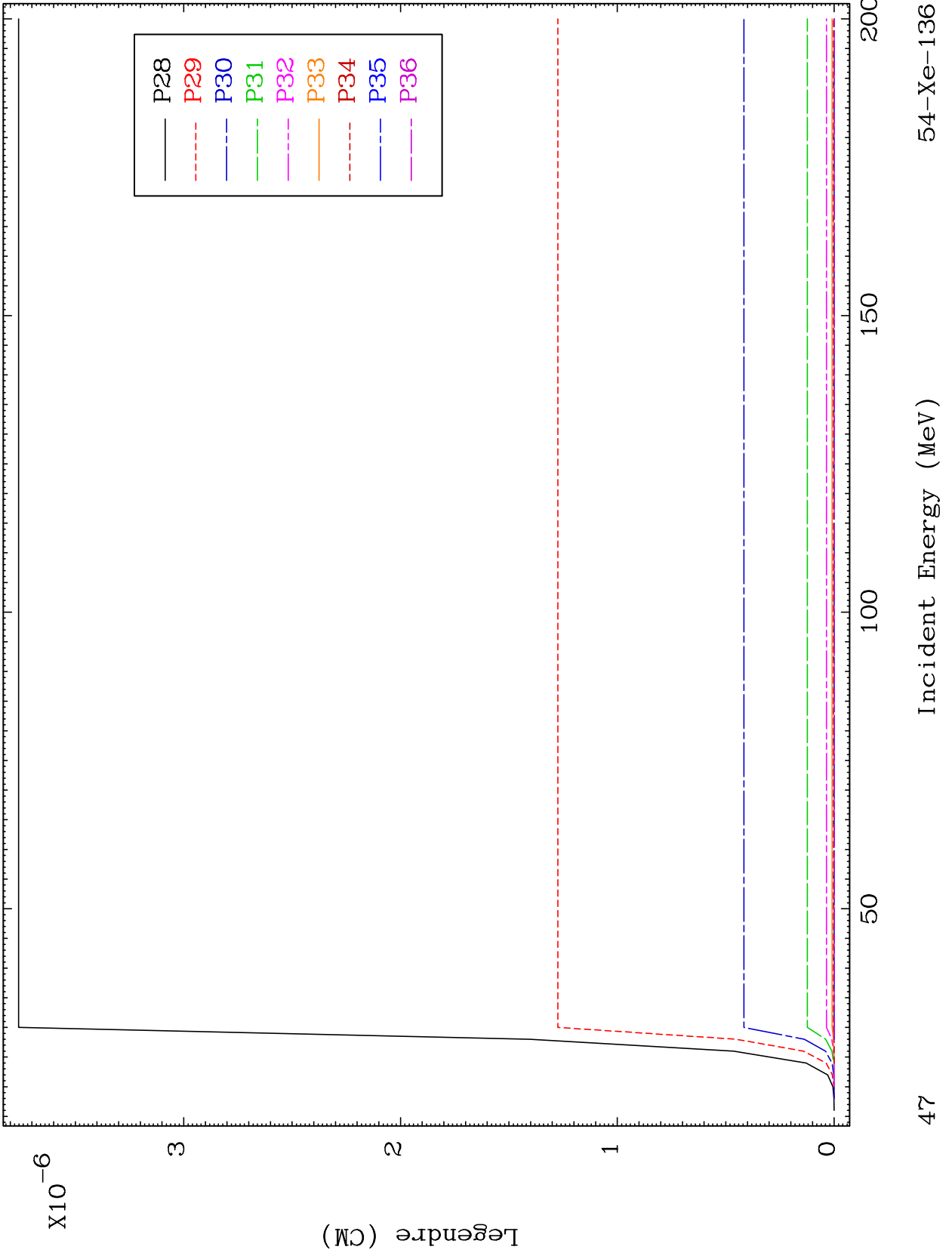
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 57 (n,n') Level
Legendre Coefficients

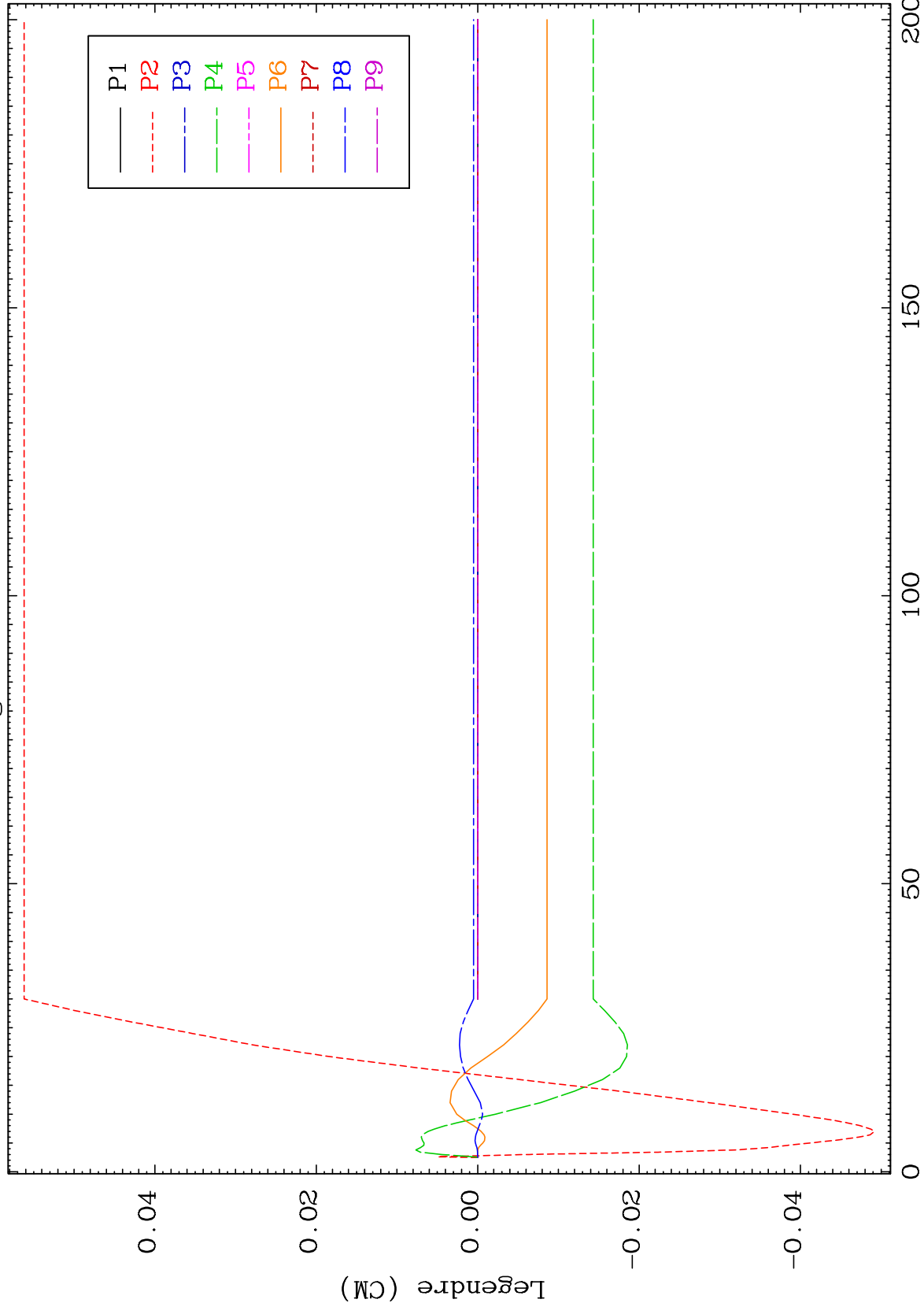
54-Xe-136



MAT 5461

MT= 58 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

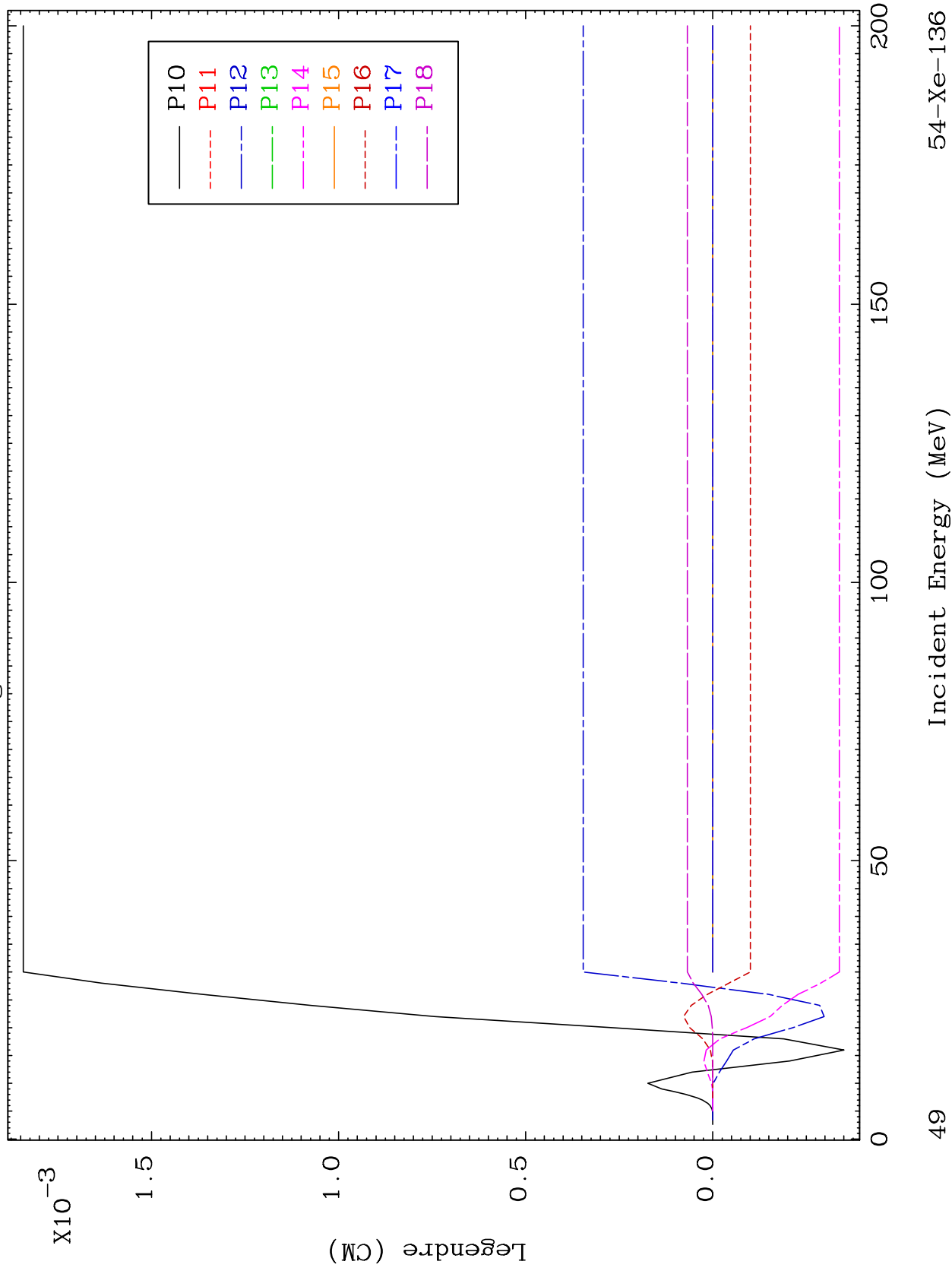
Incident Energy (MeV)

48

MAT 5461

MT= 58 (n,n') Level
Legendre Coefficients

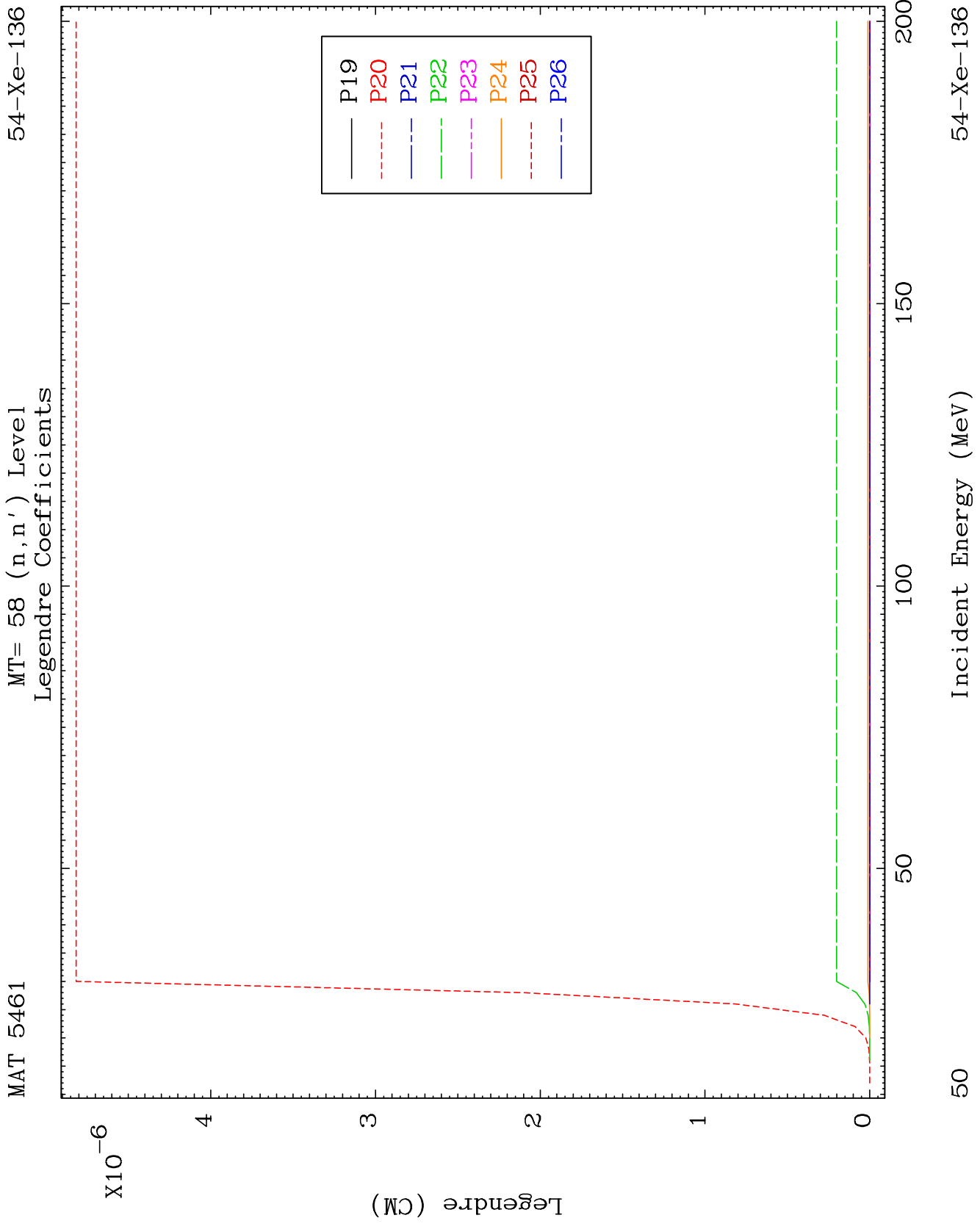
54-Xe-136



49

Incident Energy (MeV)

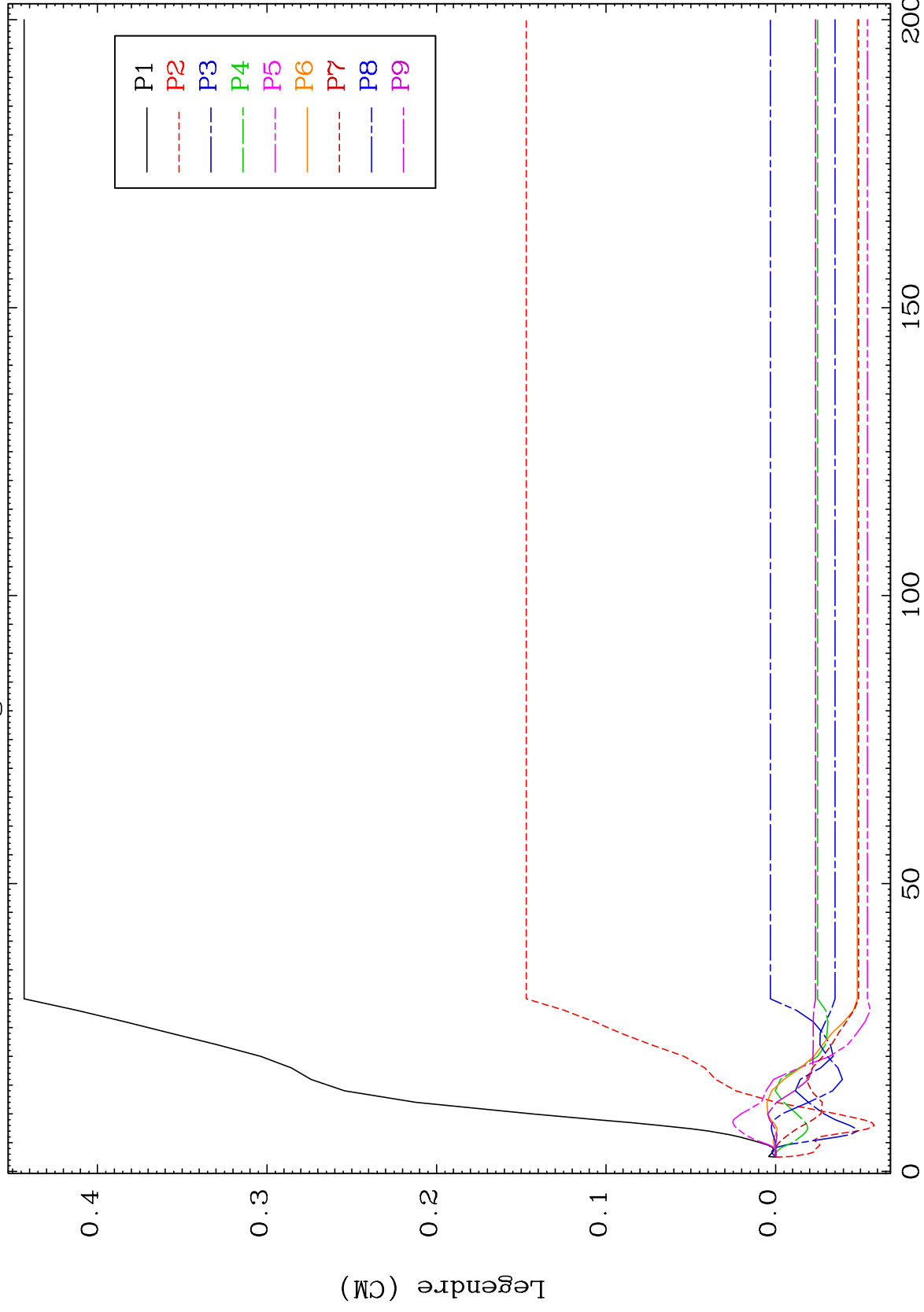
54-Xe-136



MAT 5461

MT= 59 (n,n') Level
Legendre Coefficients

54-Xe-136



51

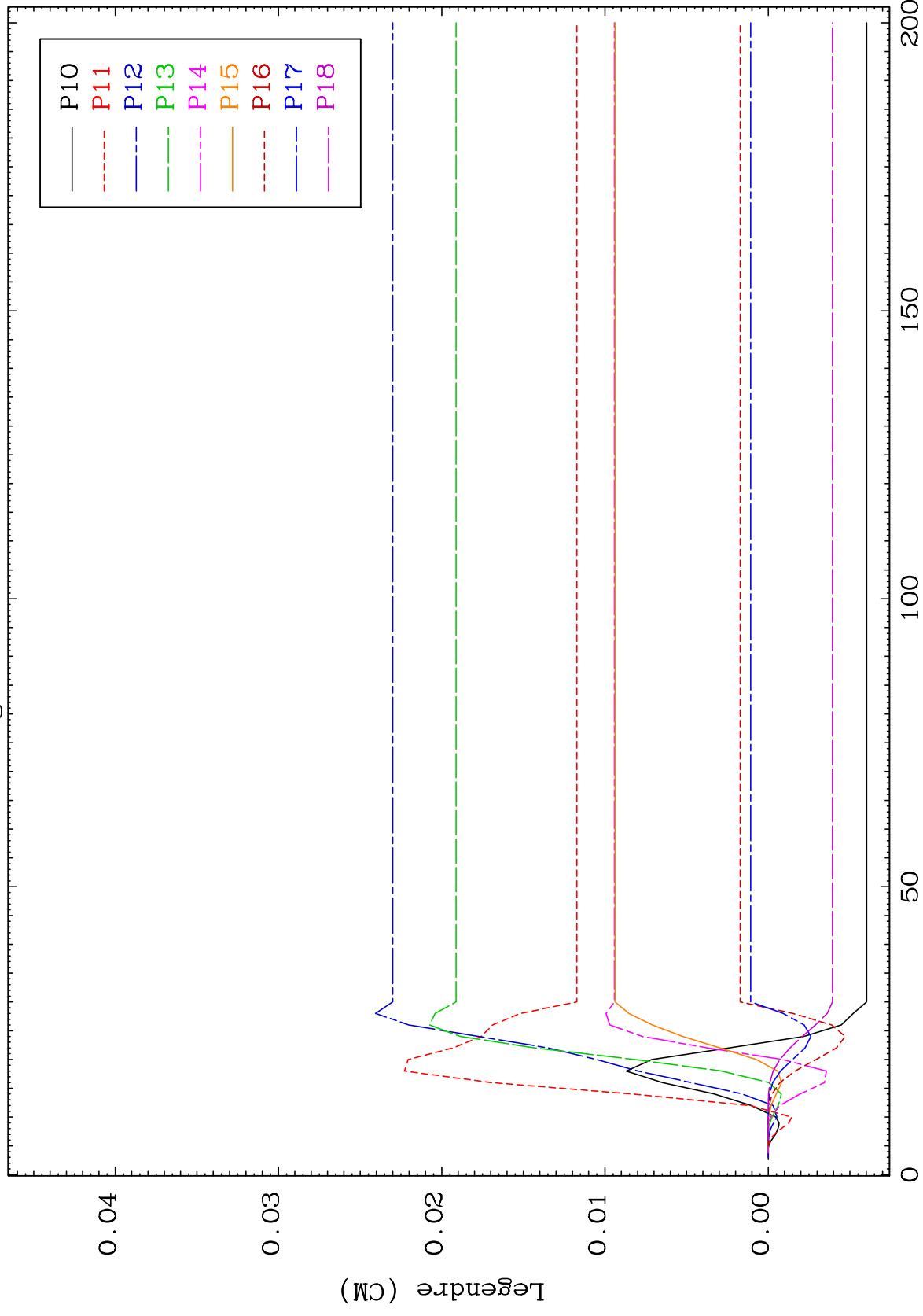
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 59 (n,n') Level
Legendre Coefficients

54-Xe-136



52

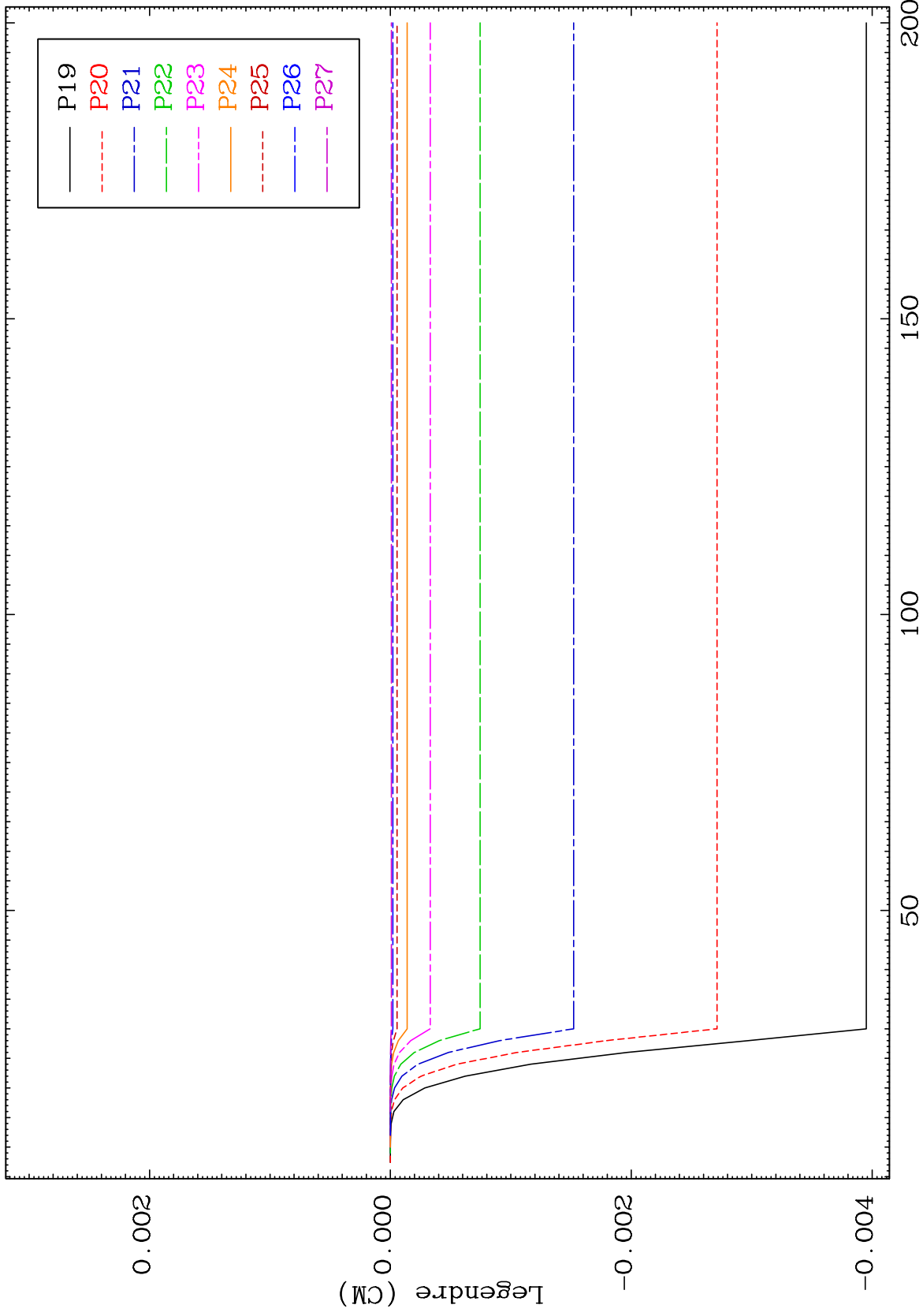
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 59 (n,n') Level
Legendre Coefficients

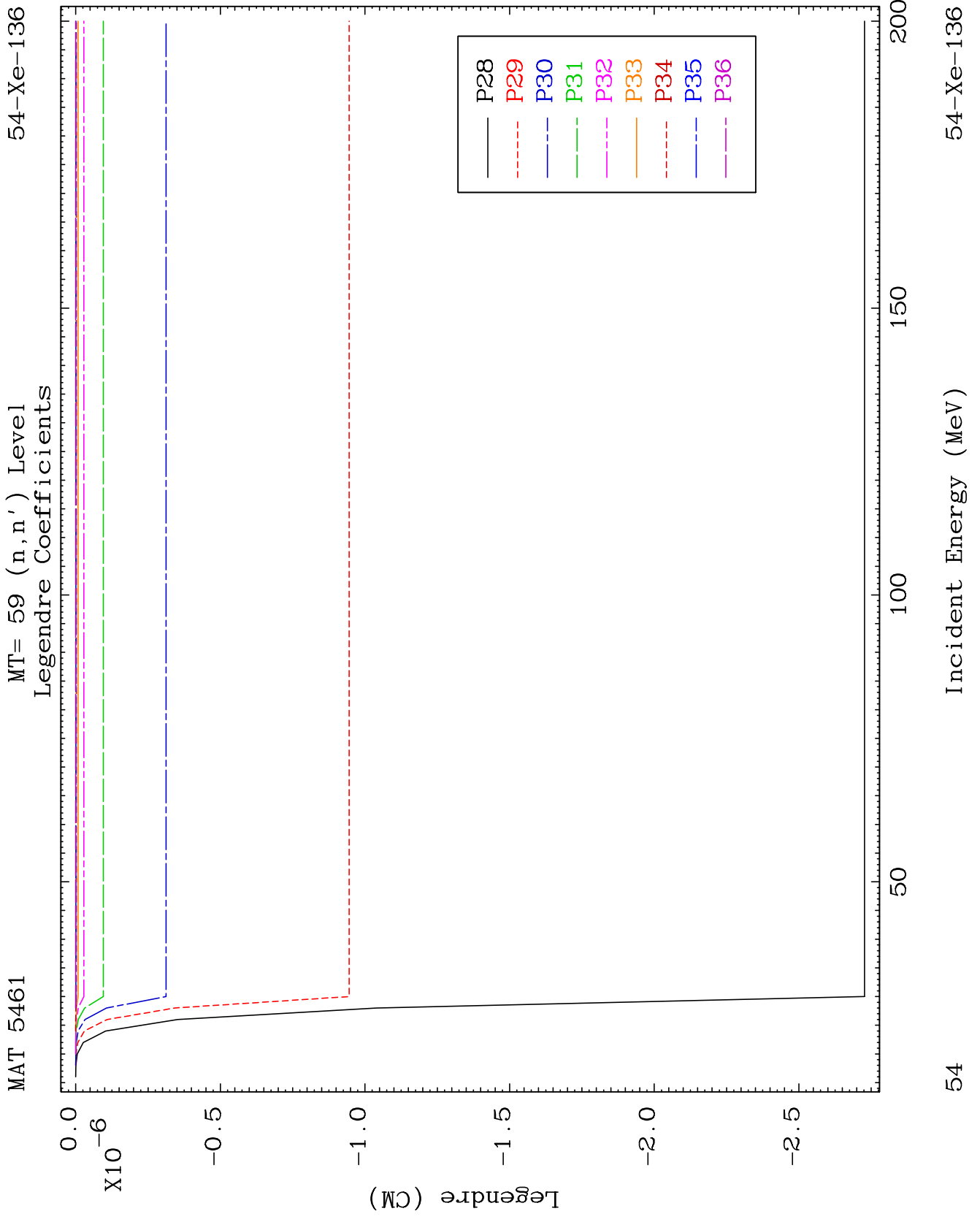
54-Xe-136



53

Incident Energy (MeV)

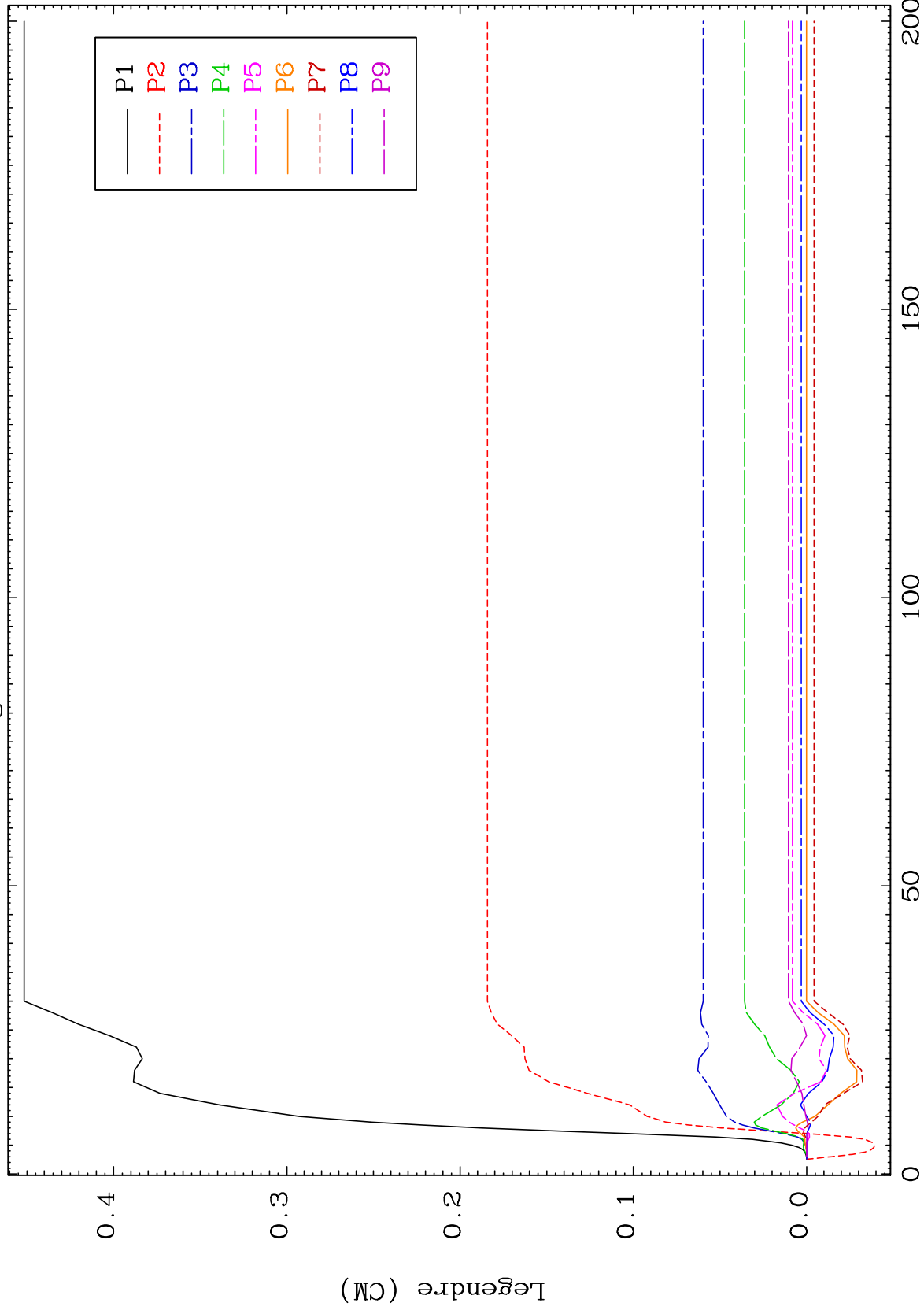
54-Xe-136



MAT 5461

MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

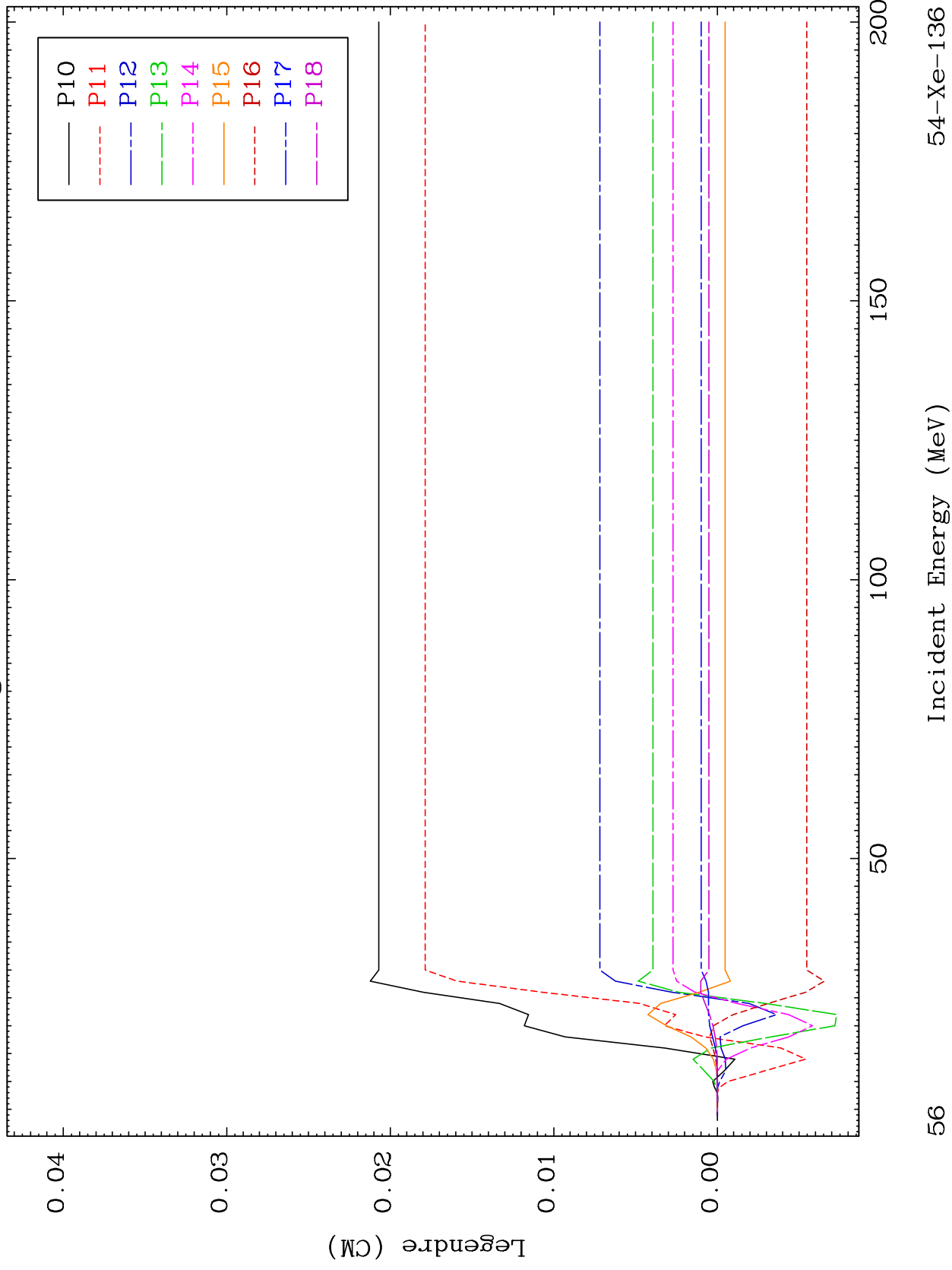
Incident Energy (MeV)

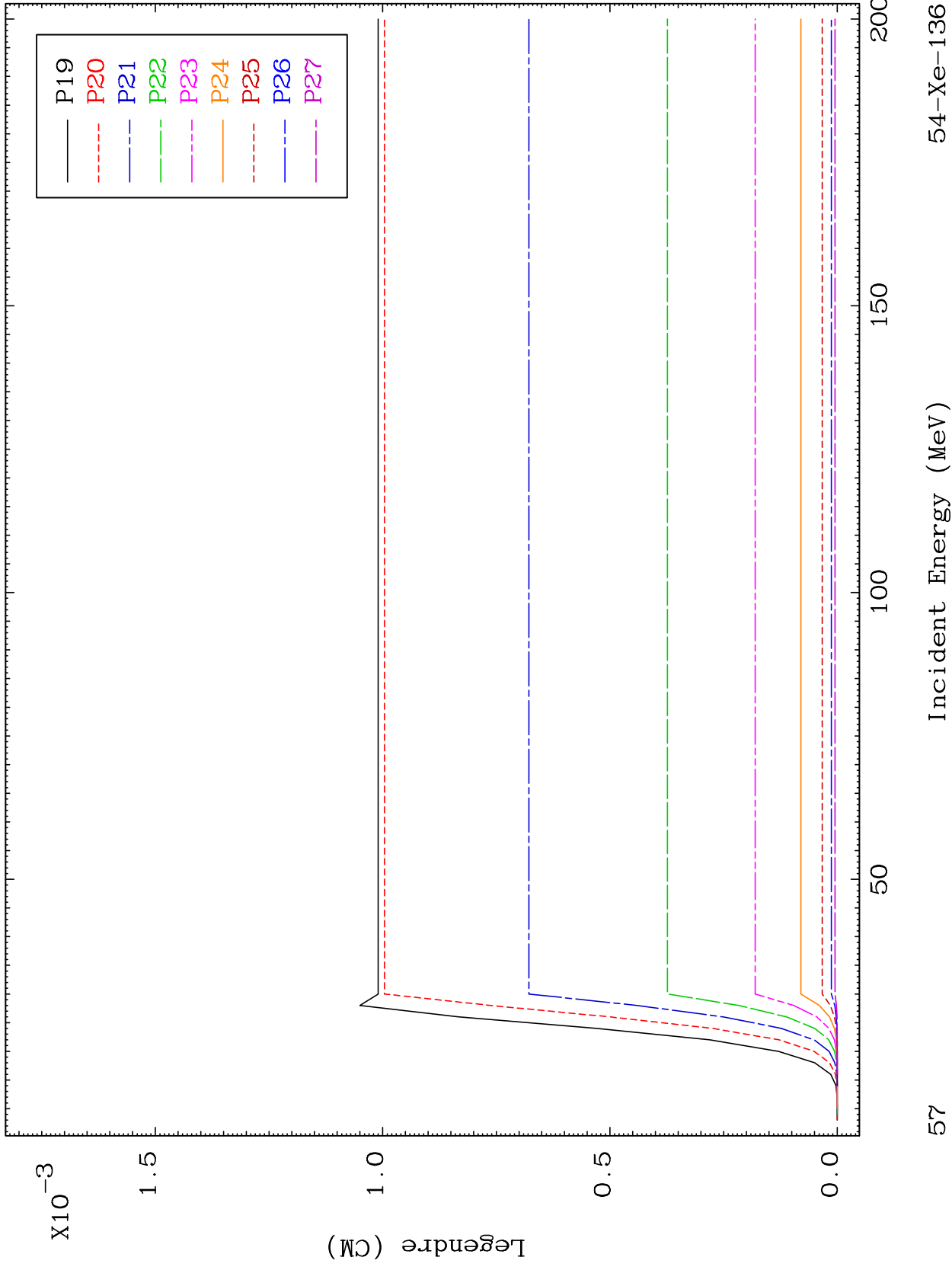
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MAT 5461

MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-136

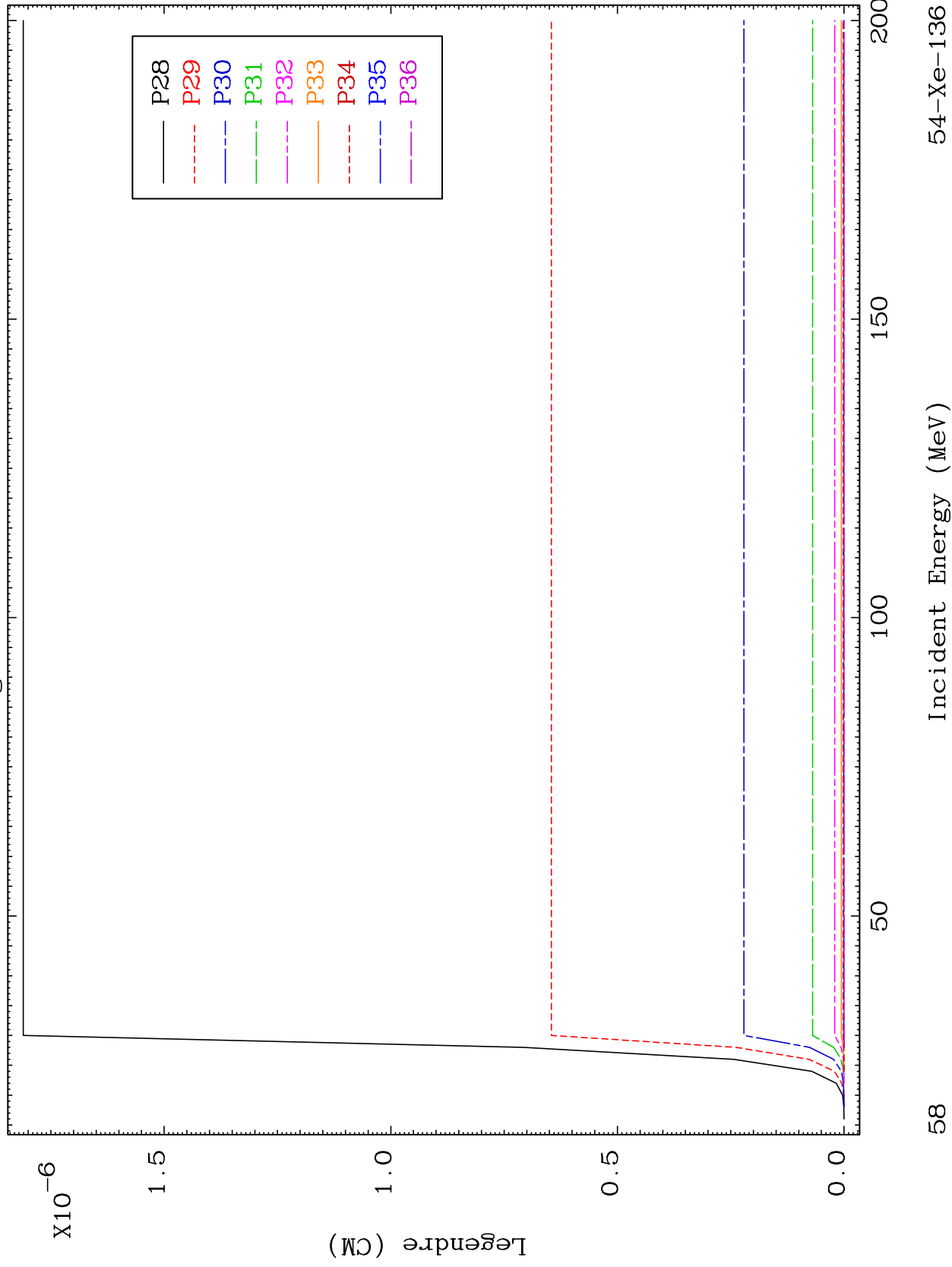


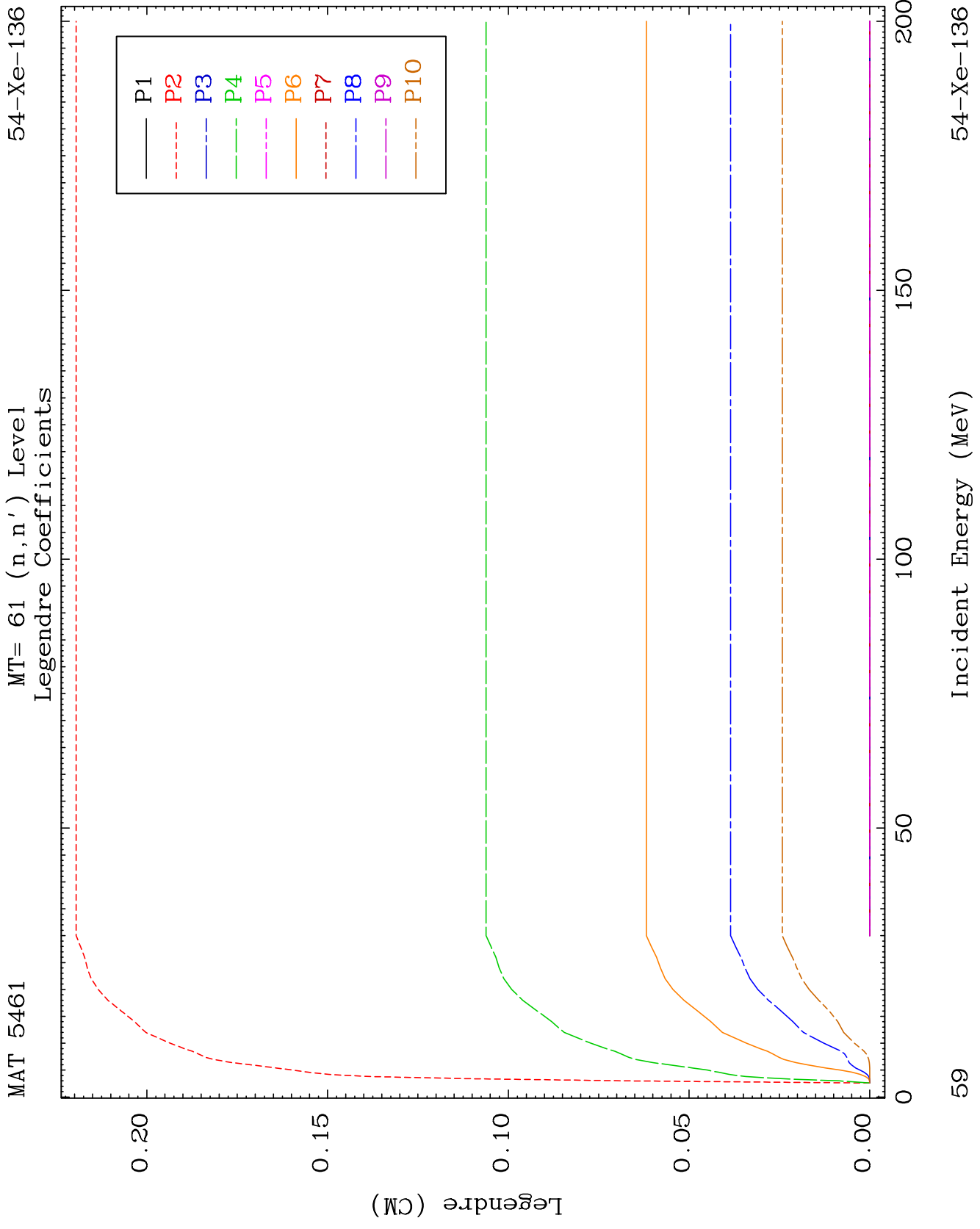


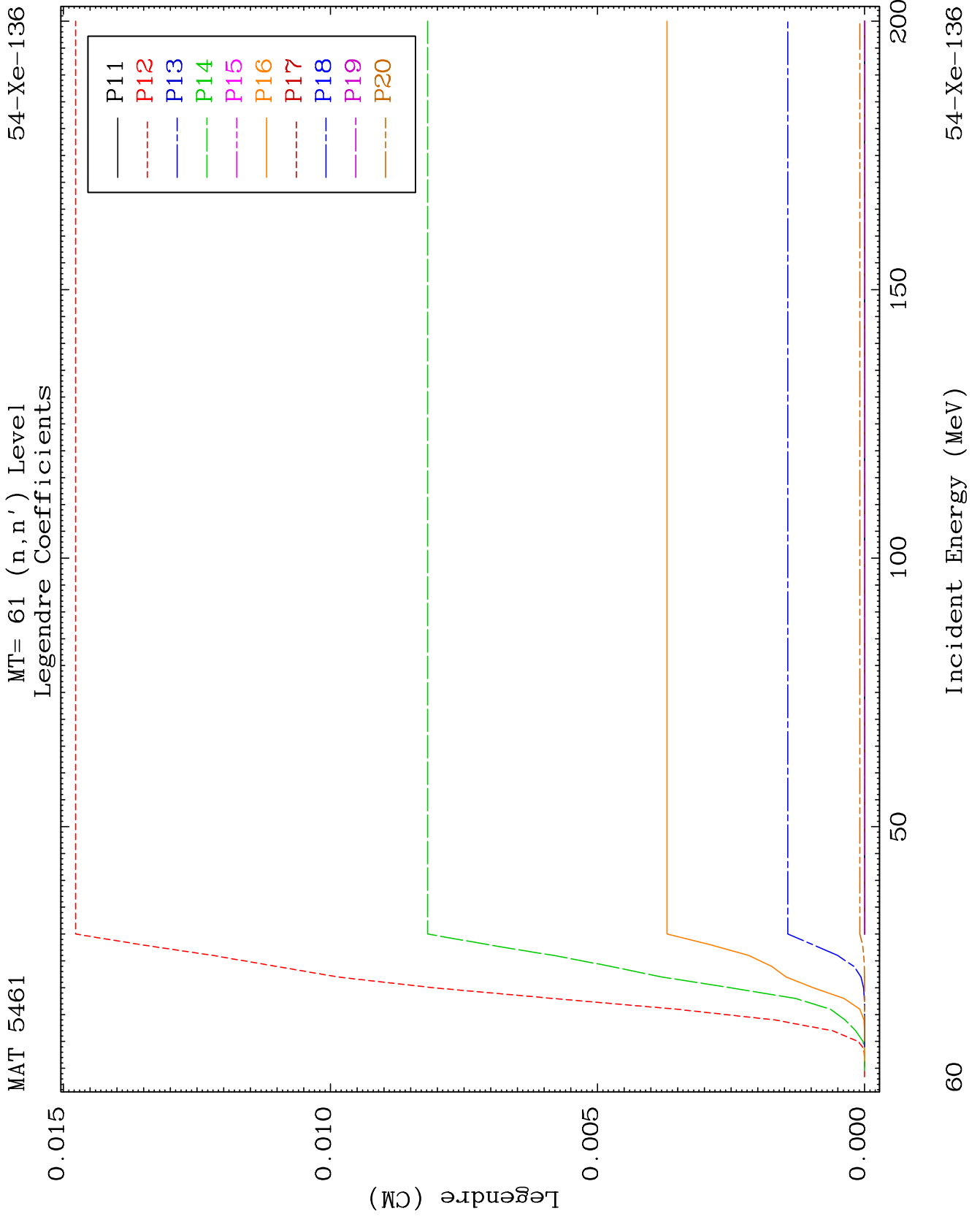
MAT 5461

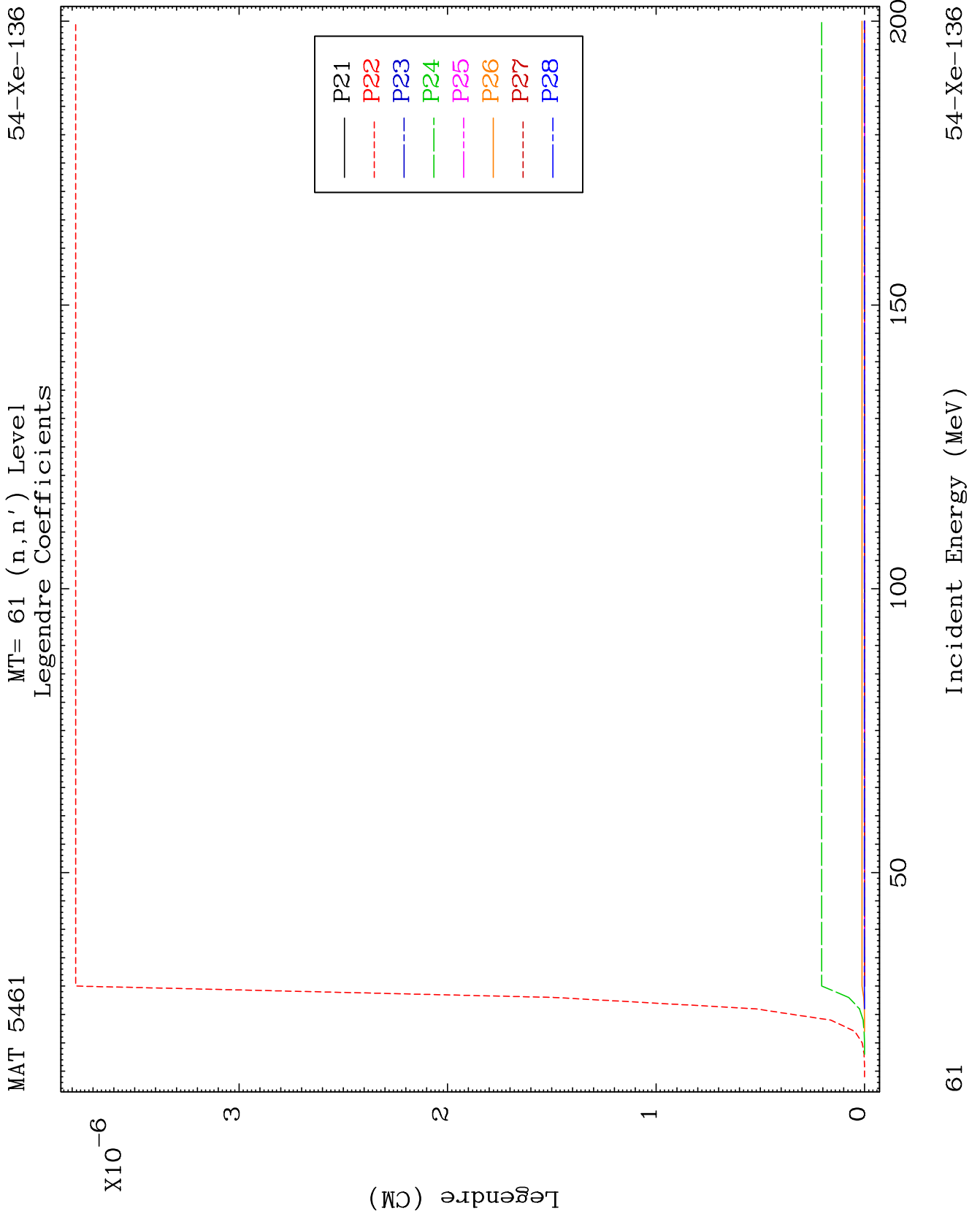
MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-136





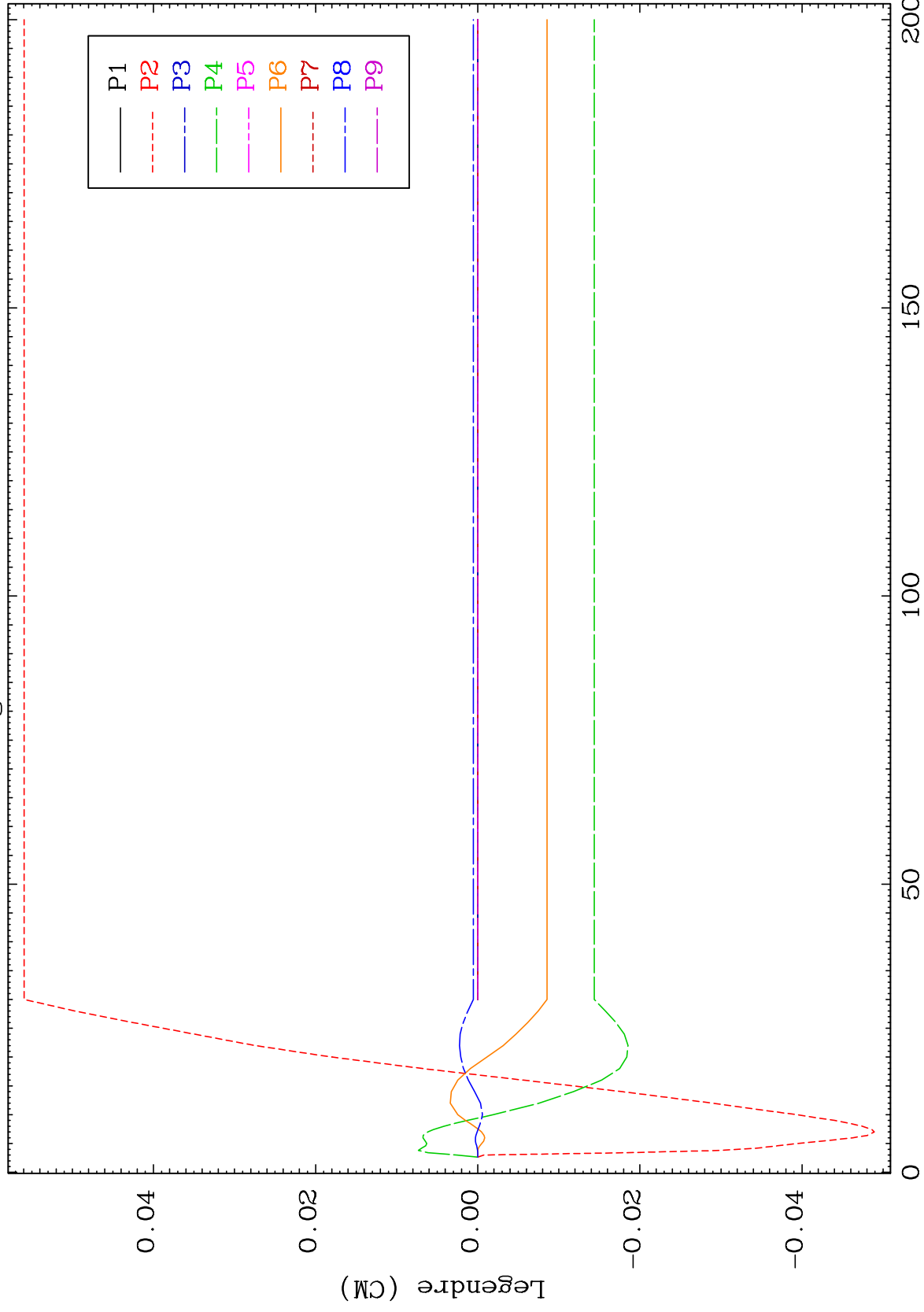




MAT 5461

MT= 62 (n,n') Level
Legendre Coefficients

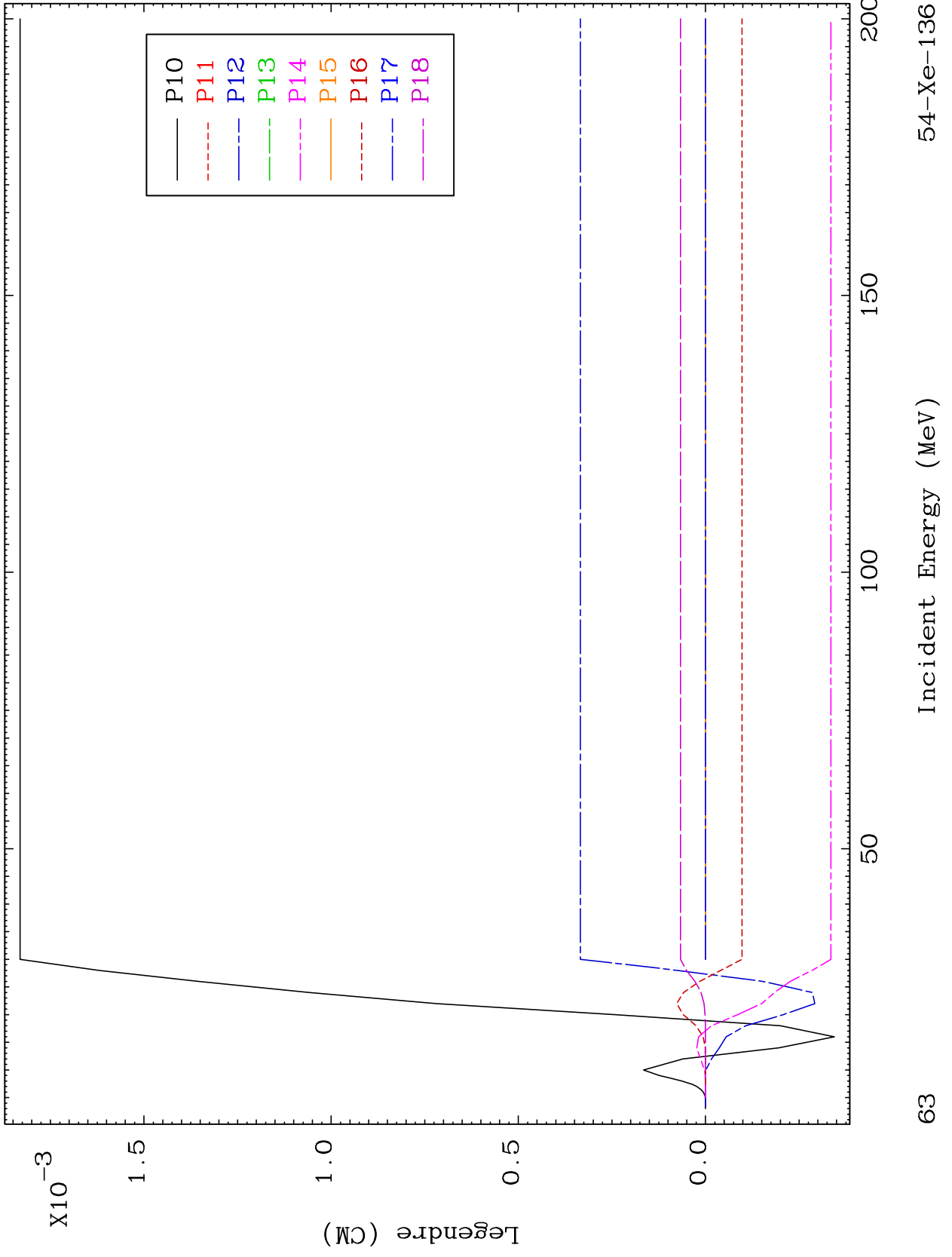
54-Xe-136



62

Incident Energy (MeV)

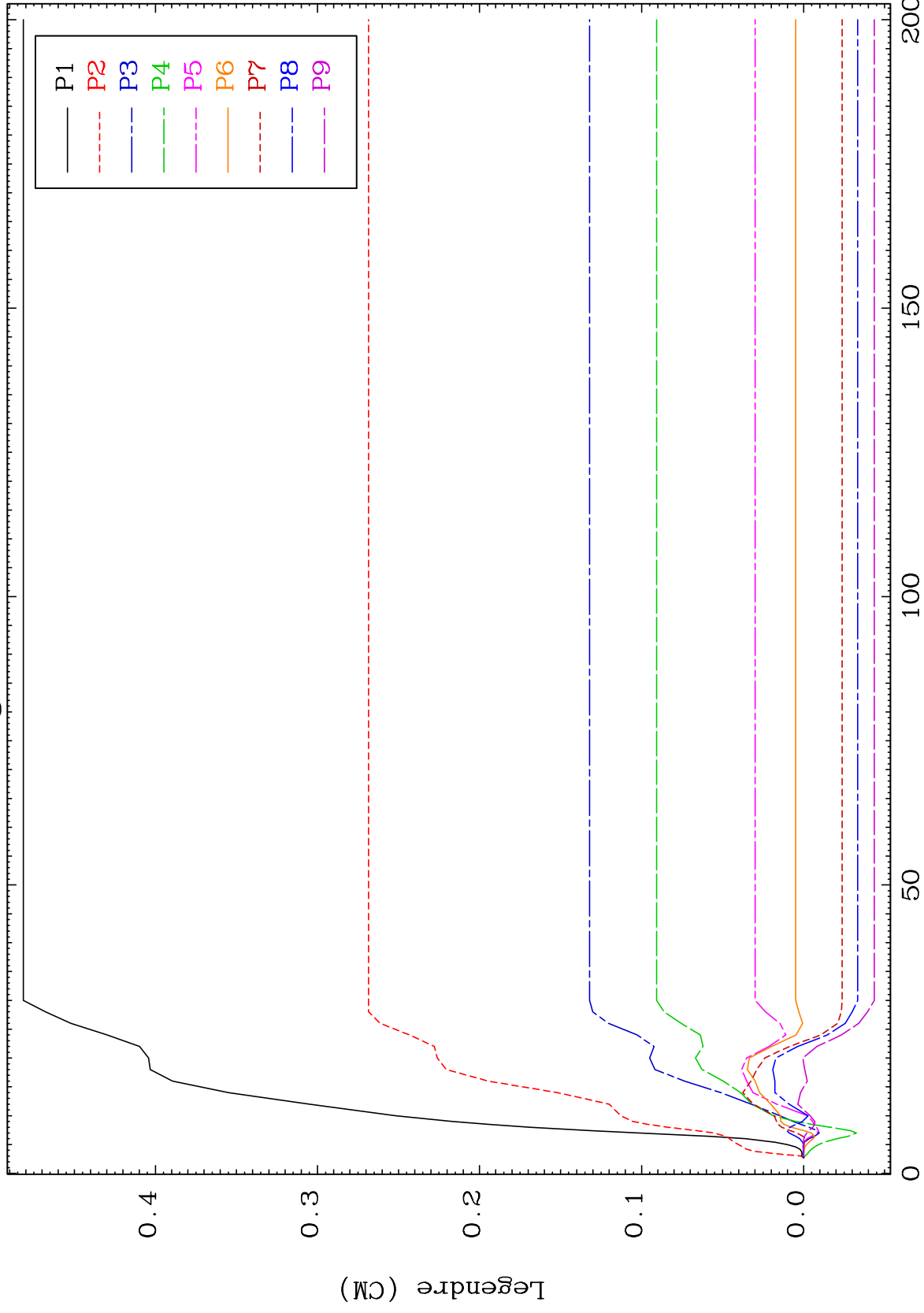
54-Xe-136



MAT 5461

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

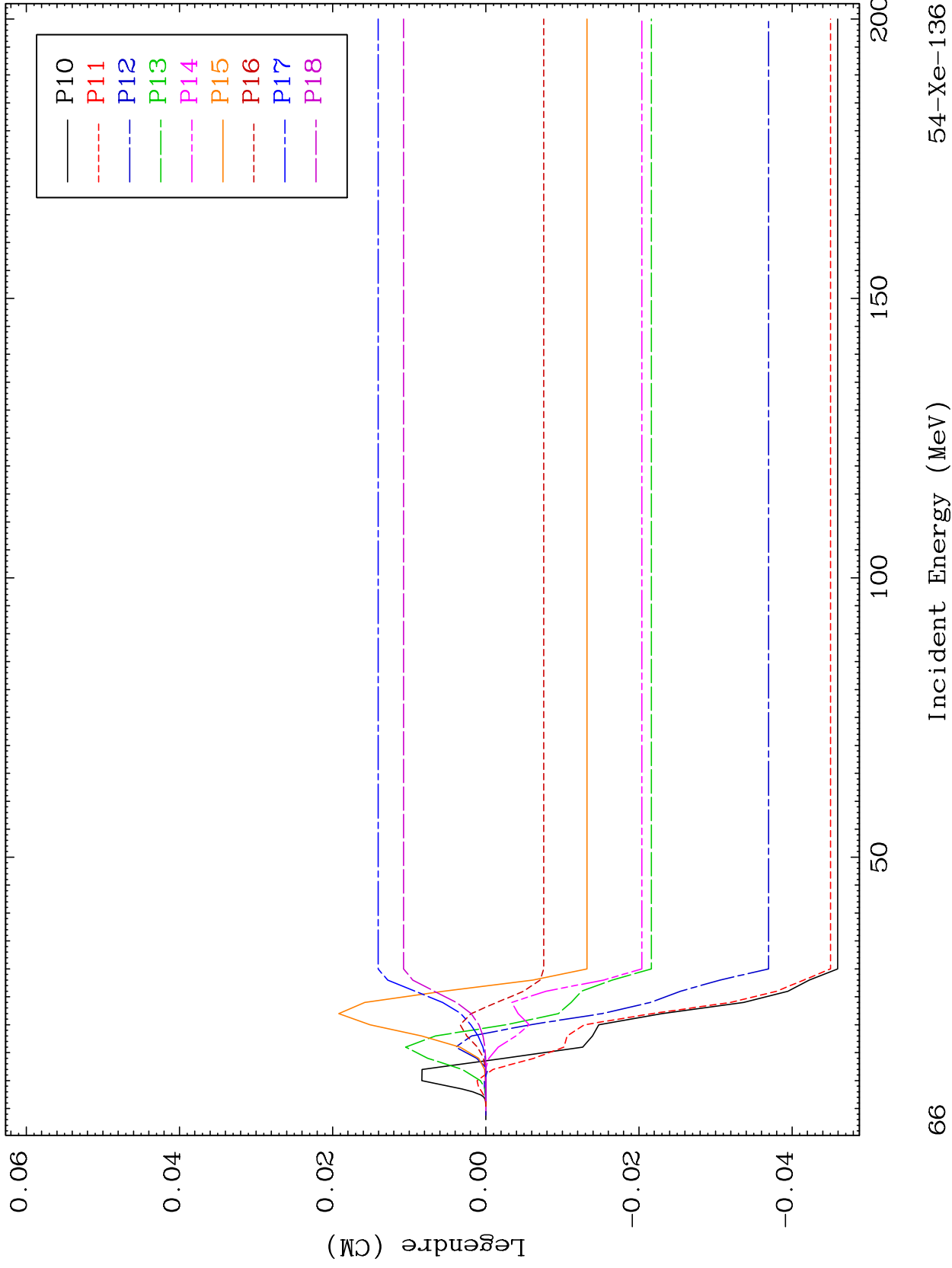
Incident Energy (MeV)

65

MAT 5461

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-136



66

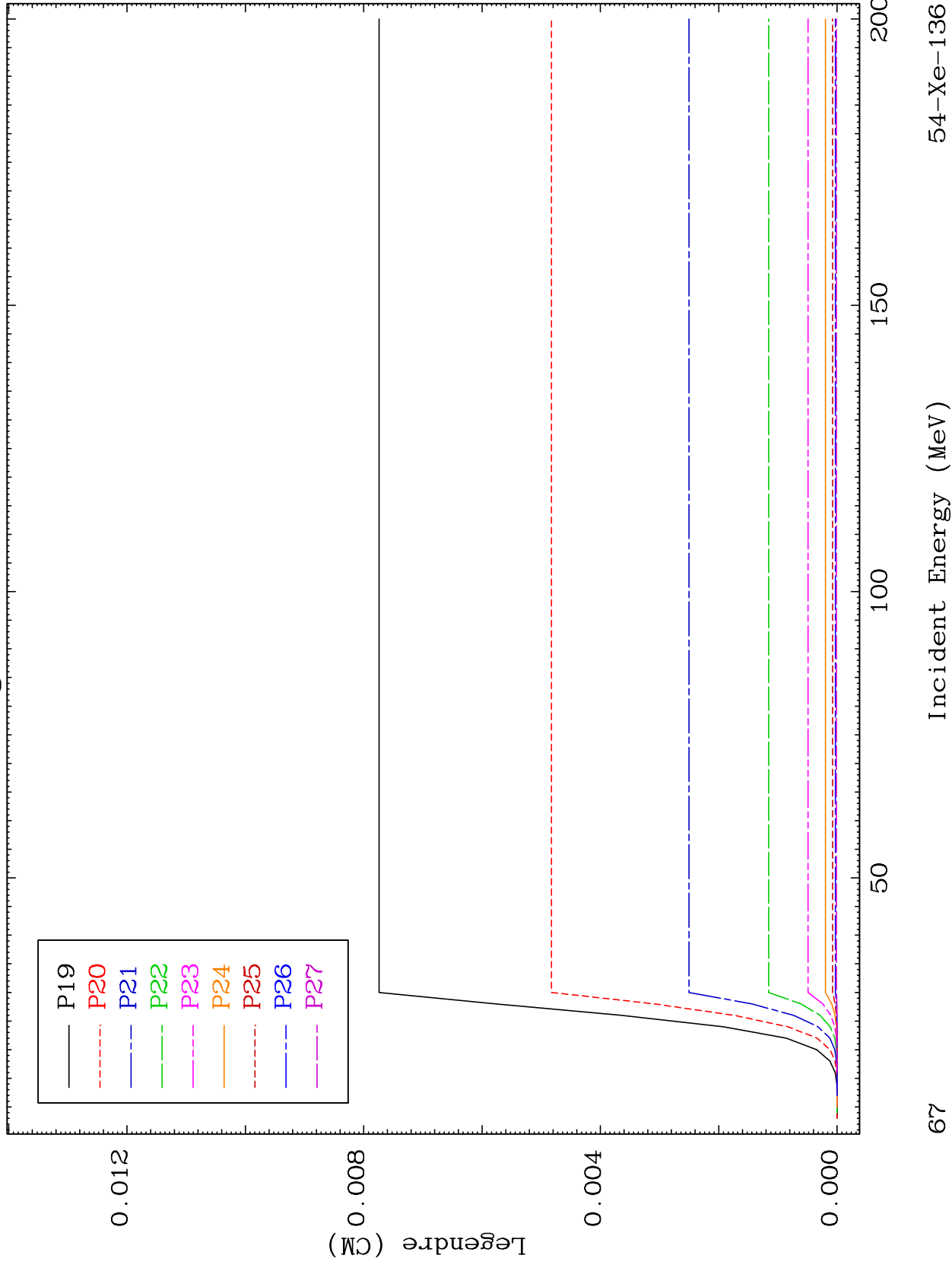
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-136



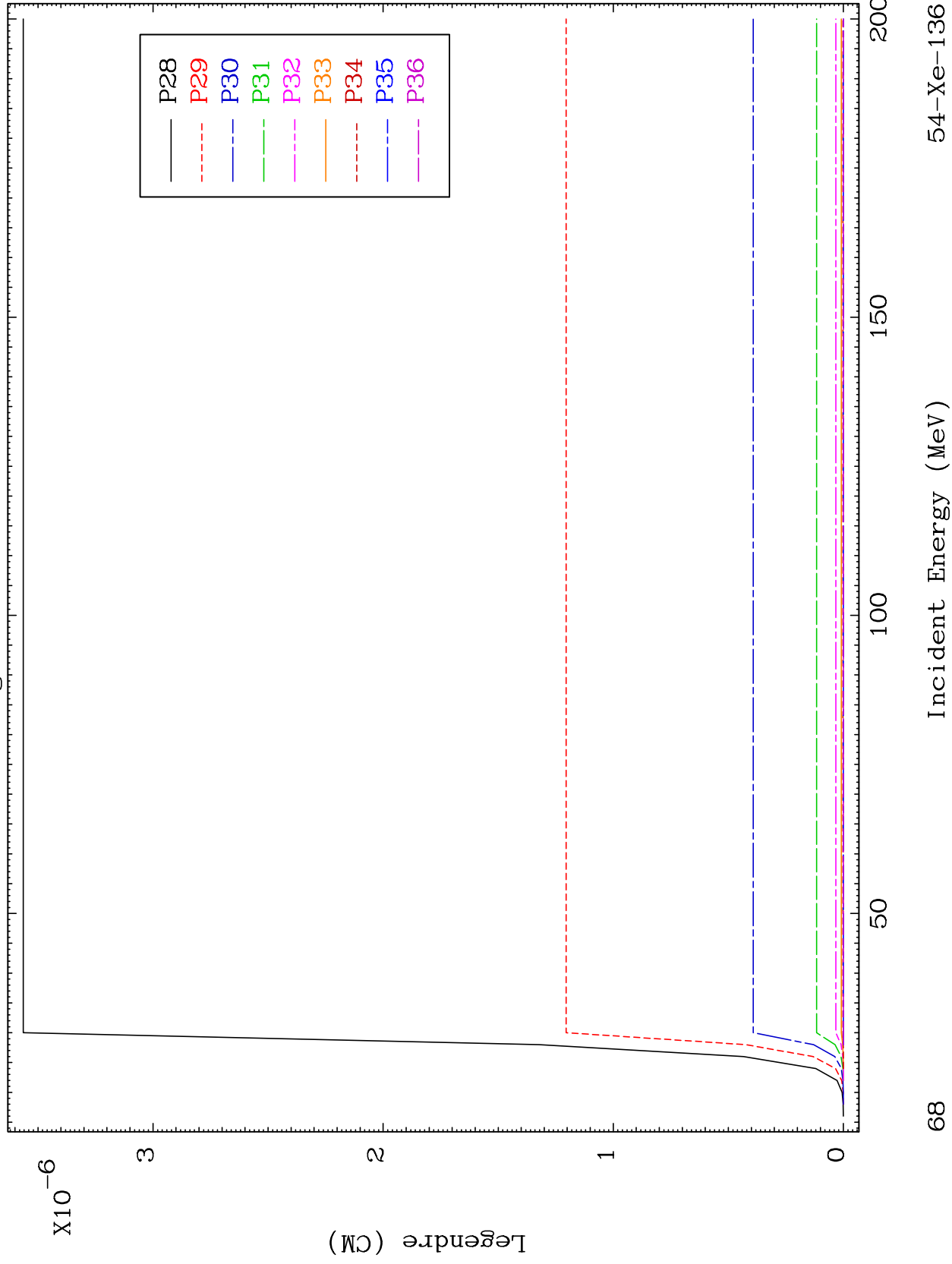
67

54-Xe-136

MAT 5461

MT= 63 (n,n') Level
Legendre Coefficients

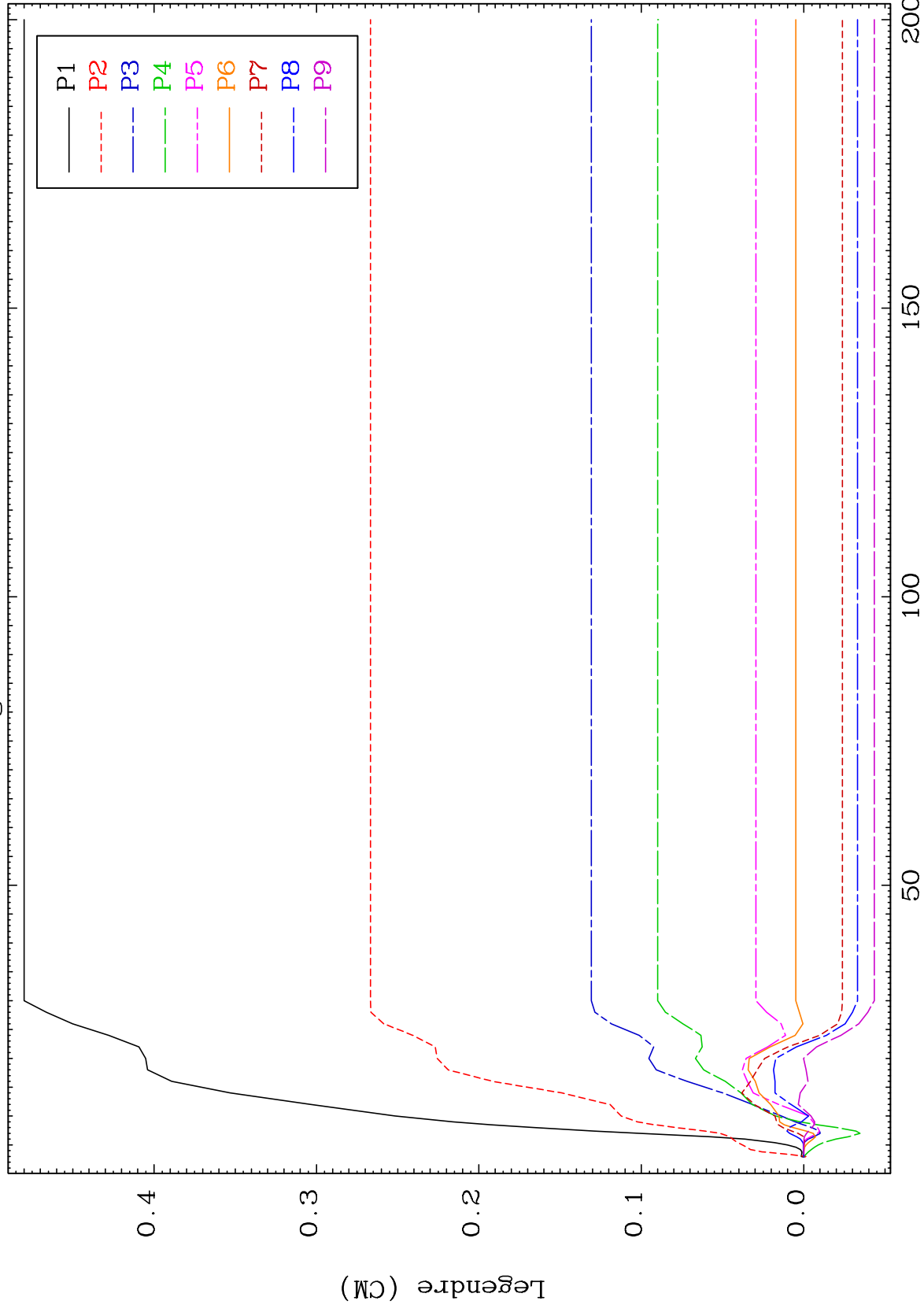
54-Xe-136



MAT 5461

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-136



69

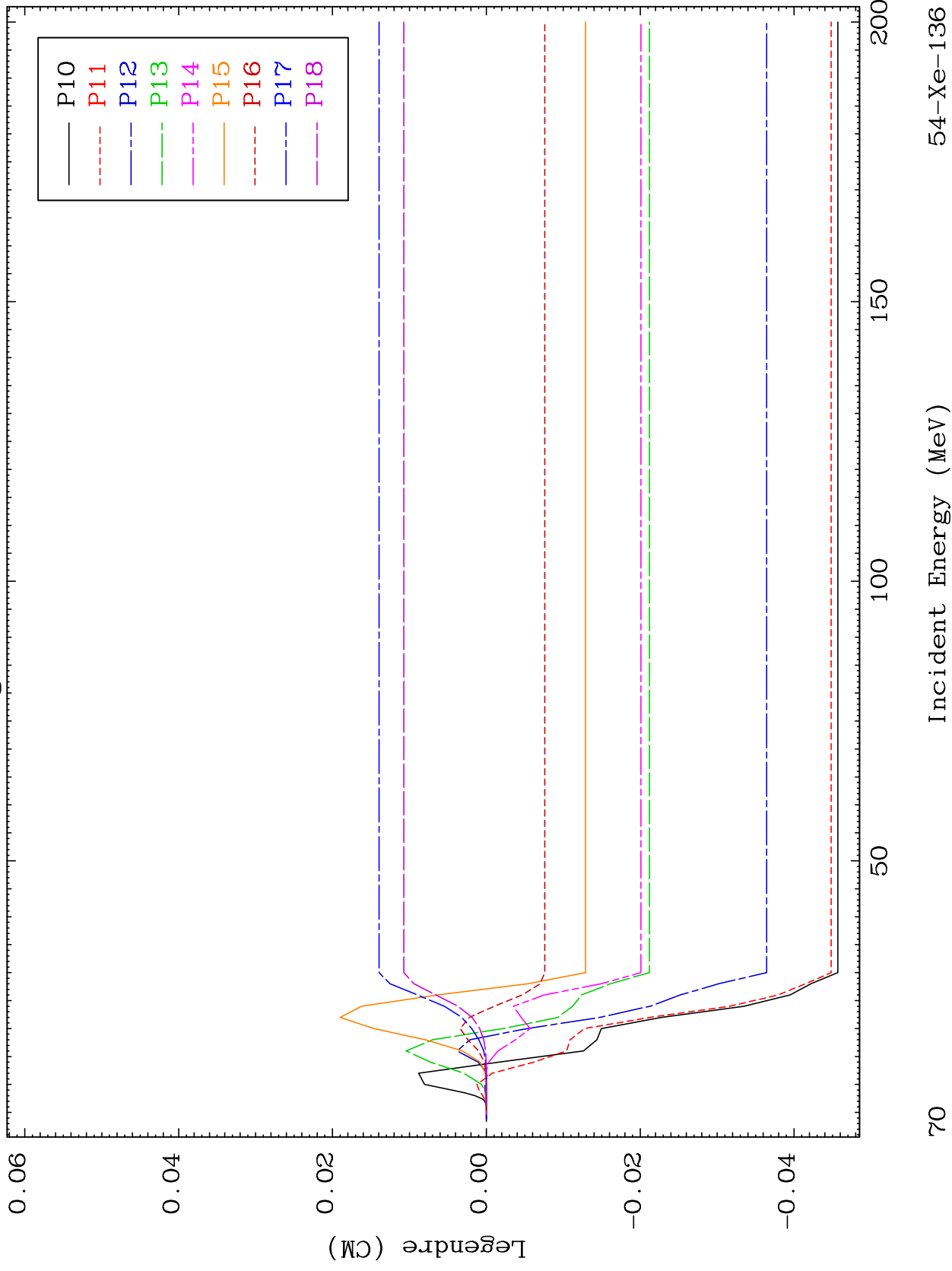
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-136



70

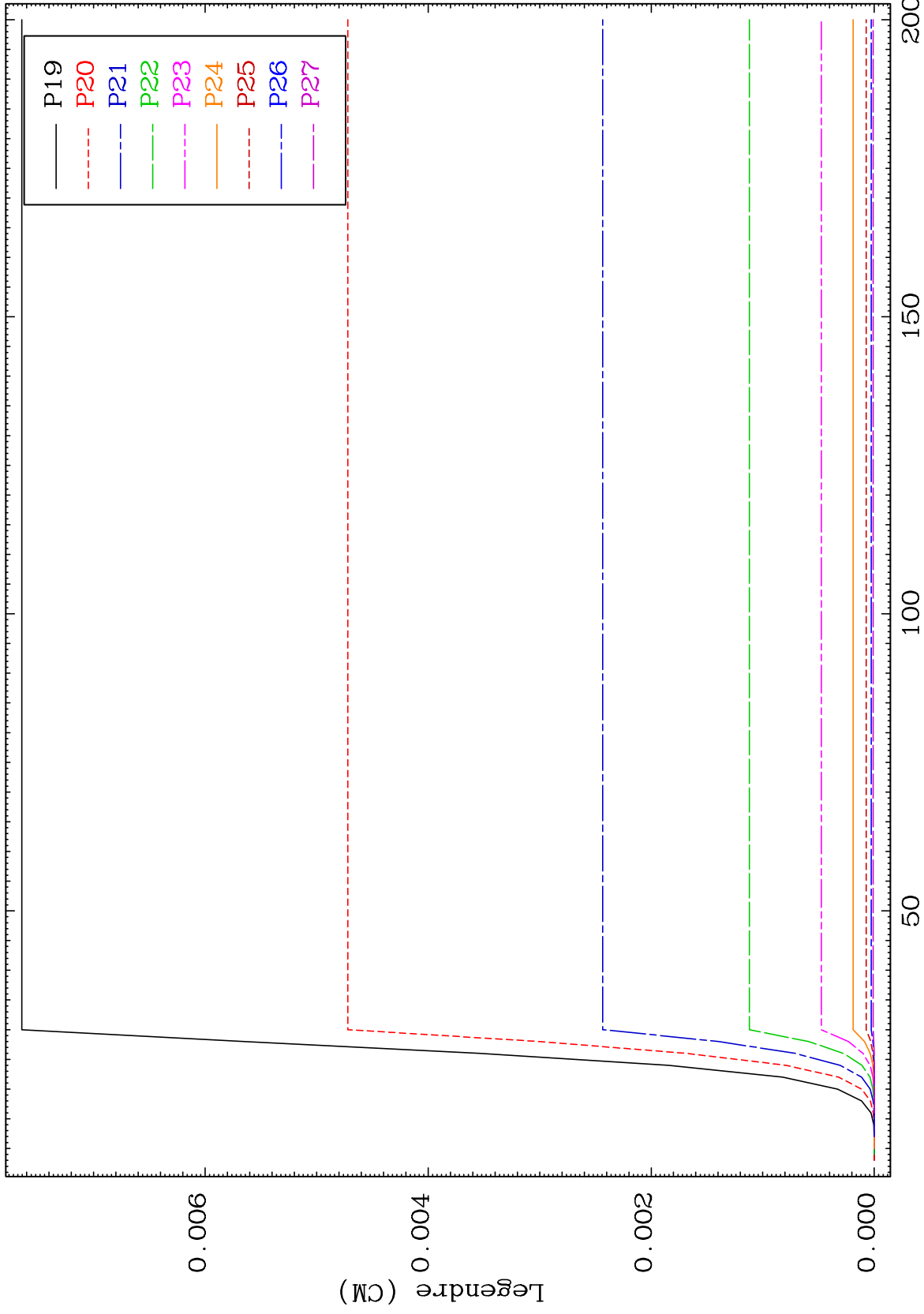
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-136



71

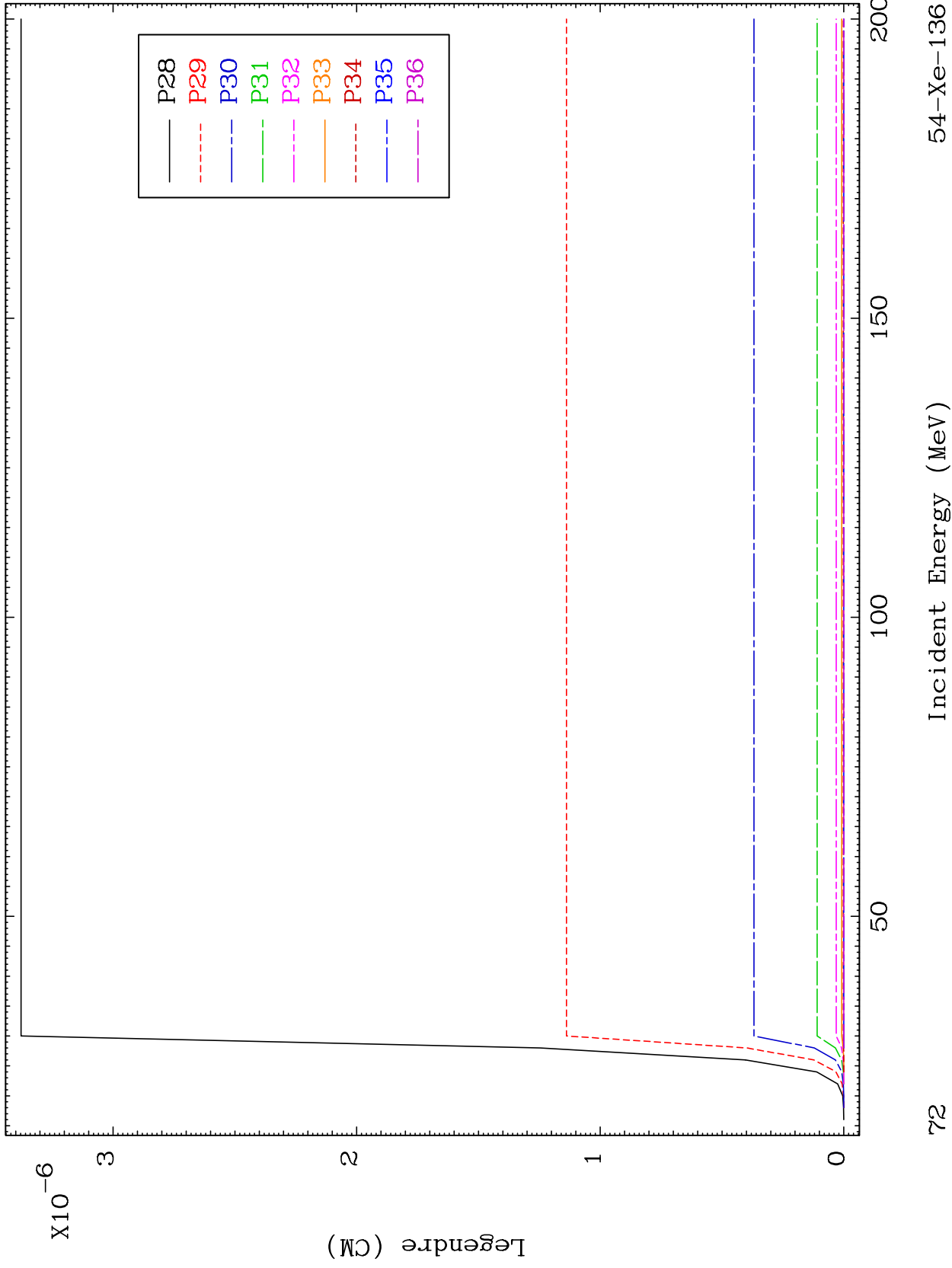
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 64 (n,n') Level
Legendre Coefficients

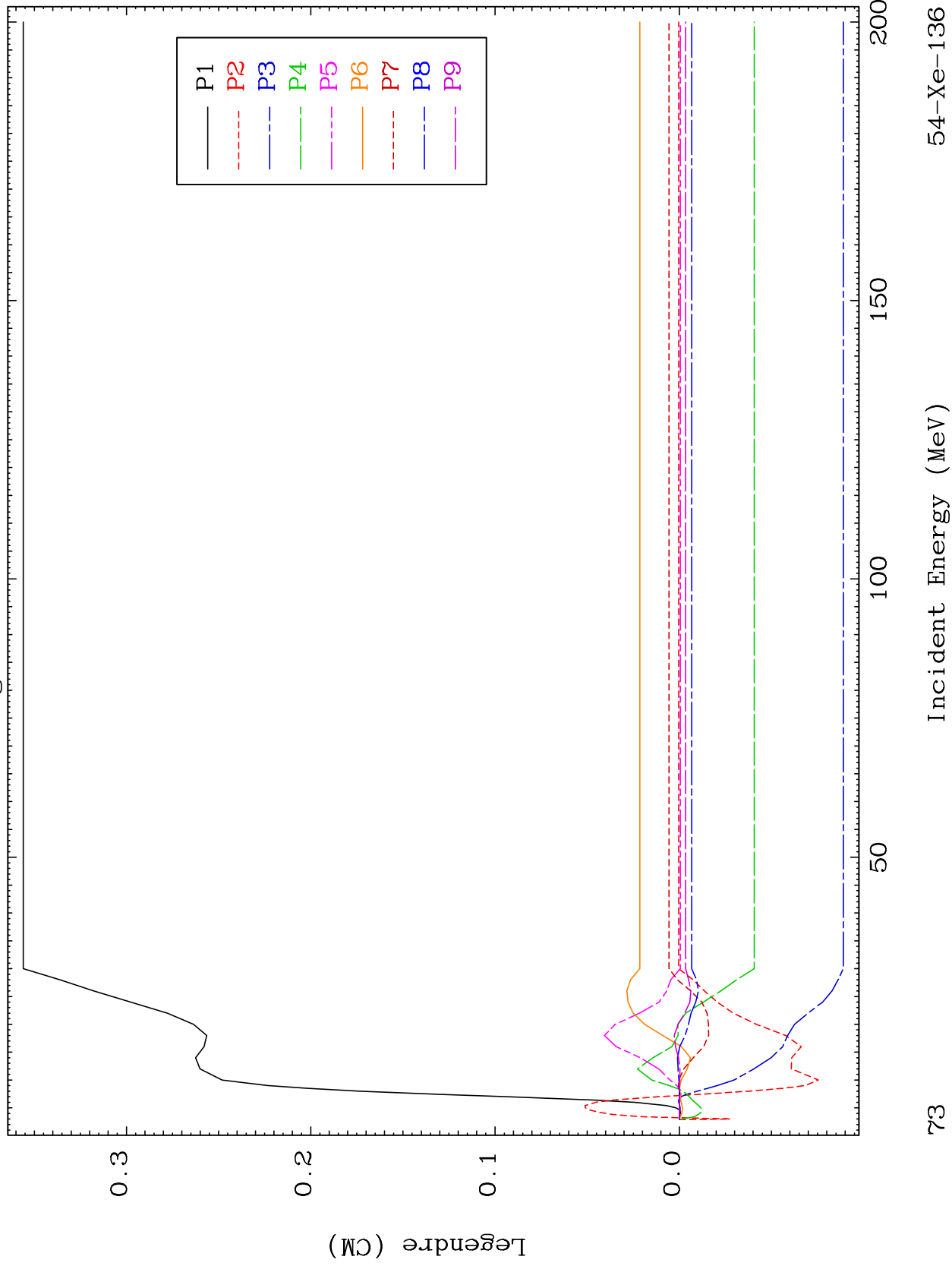
54-Xe-136



MAT 5461

MT= 65 (n,n') Level
Legendre Coefficients

54-Xe-136



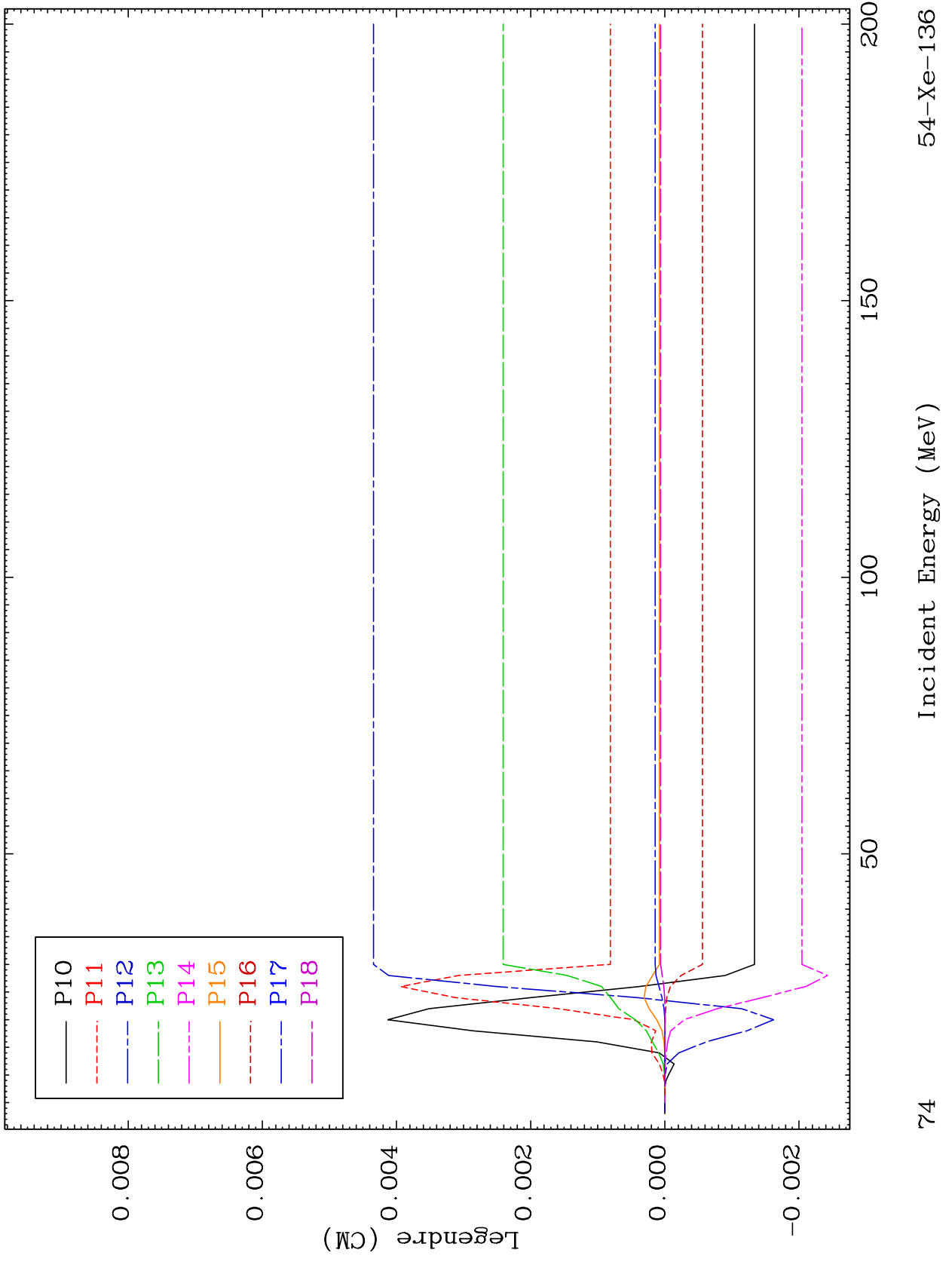
73

54-Xe-136

MAT 5461

MT= 65 (n,n') Level
Legendre Coefficients

54-Xe-136



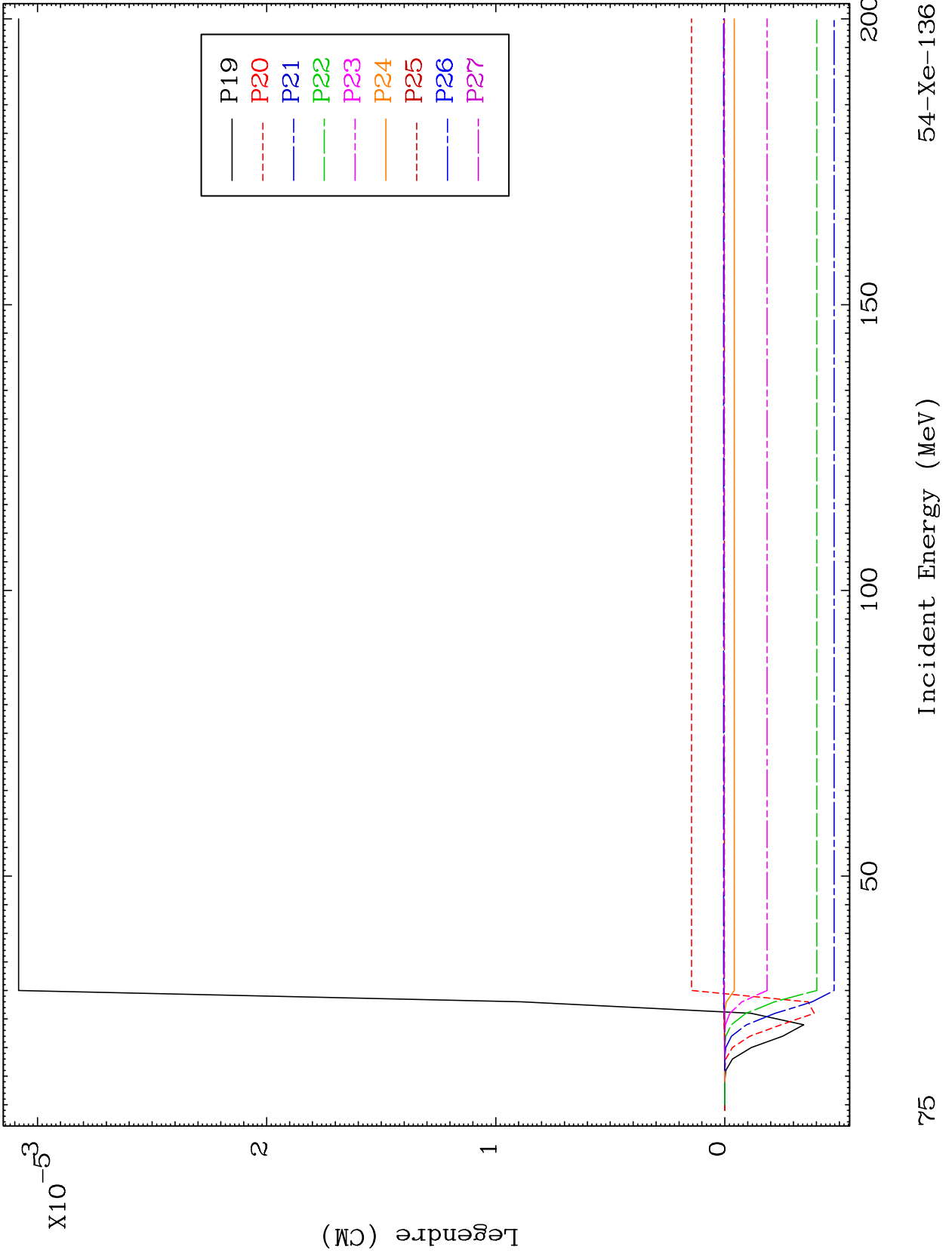
74

54-Xe-136

MAT 5461

MT= 65 (n,n') Level
Legendre Coefficients

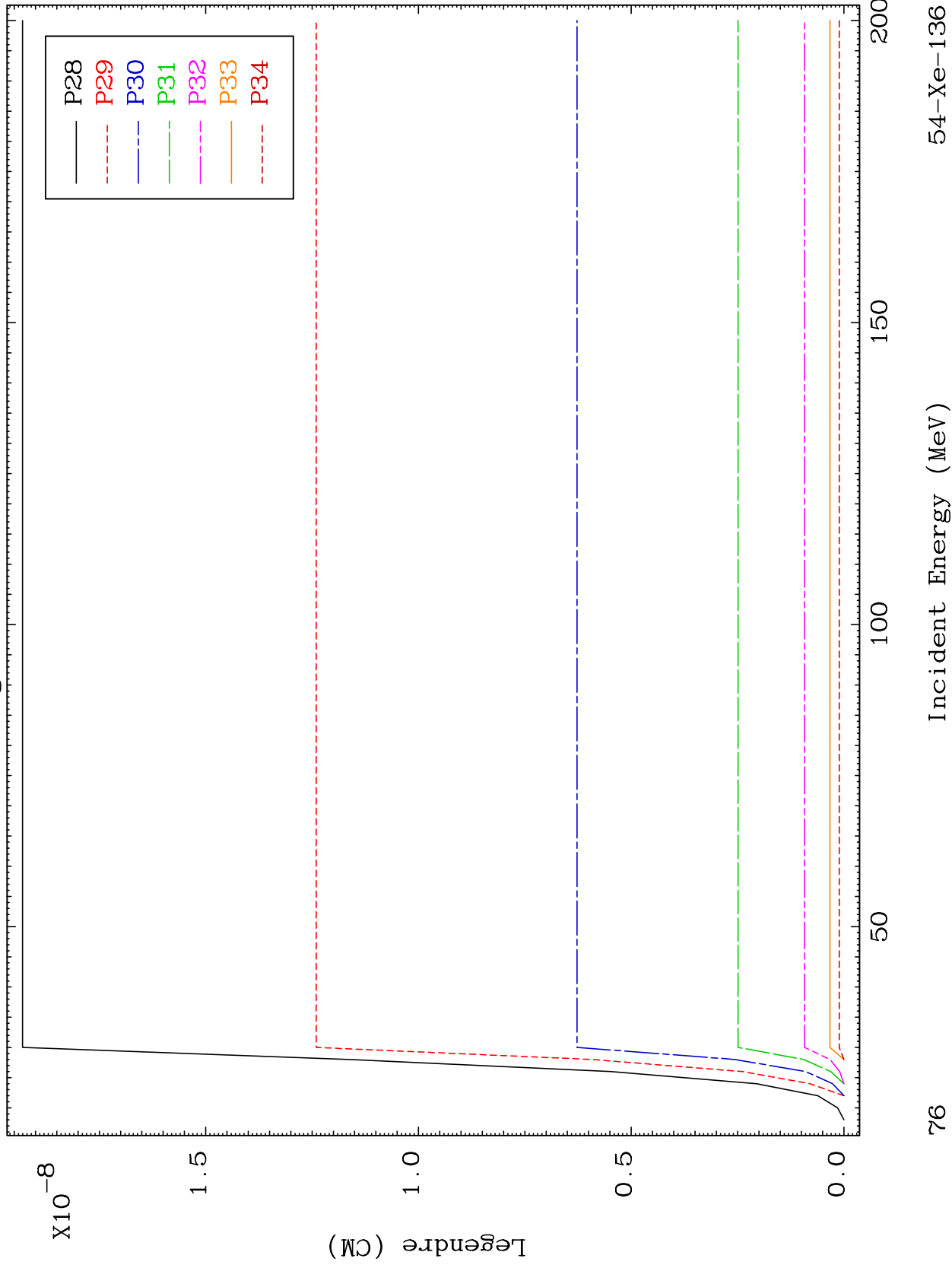
54-Xe-136



MAT 5461

MT= 65 (n,n') Level
Legendre Coefficients

54-Xe-136



76

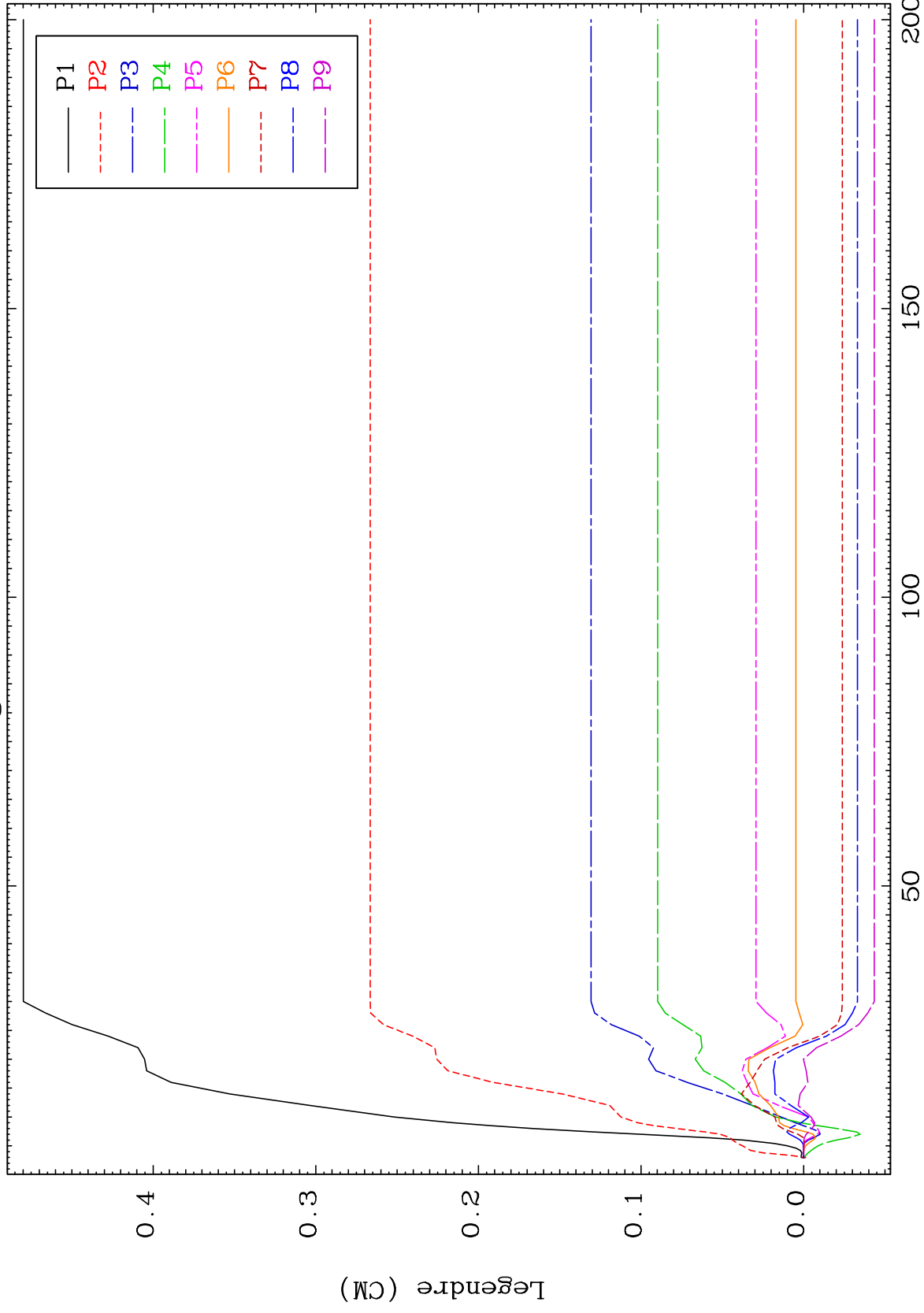
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-136



77

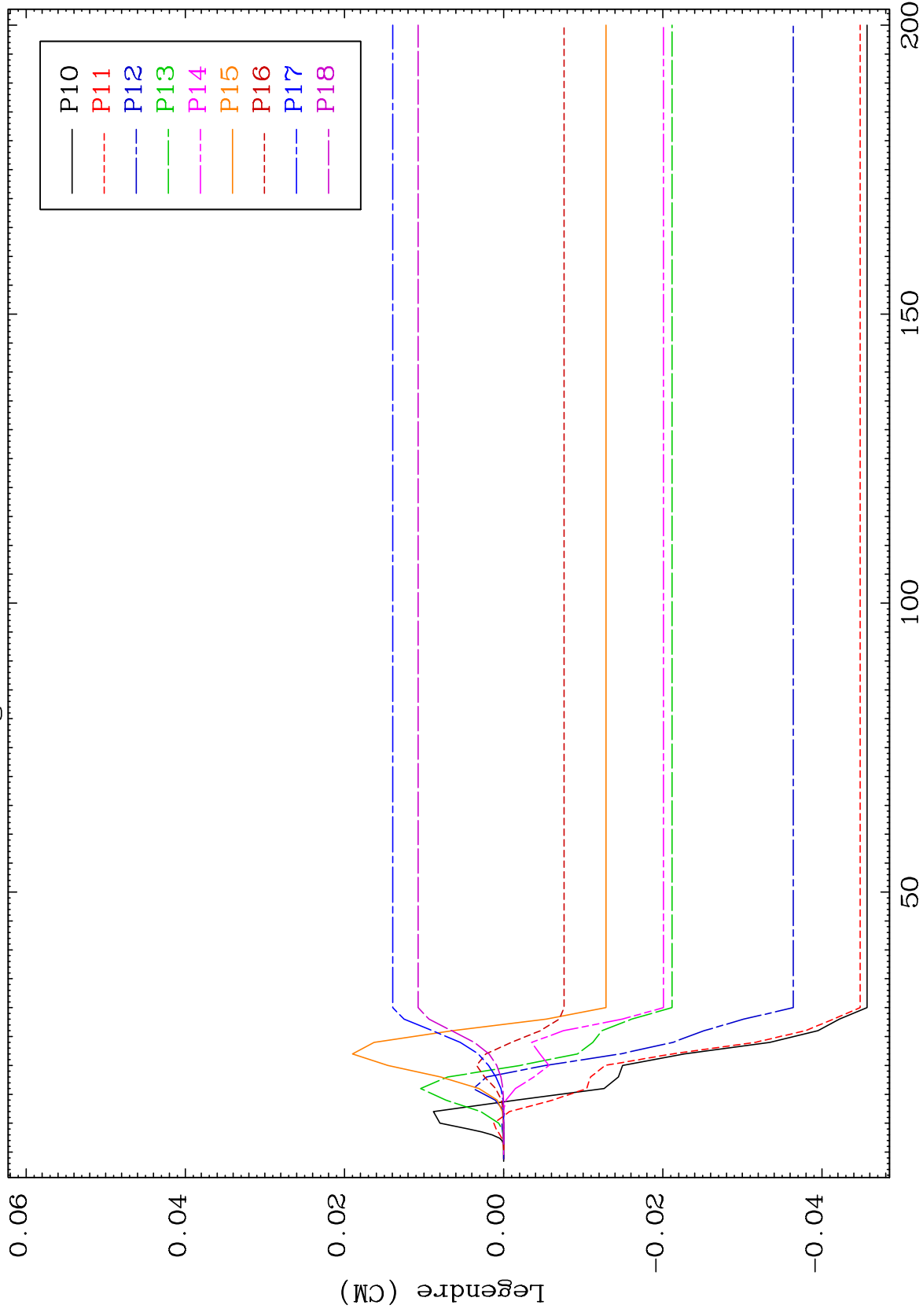
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-136



78

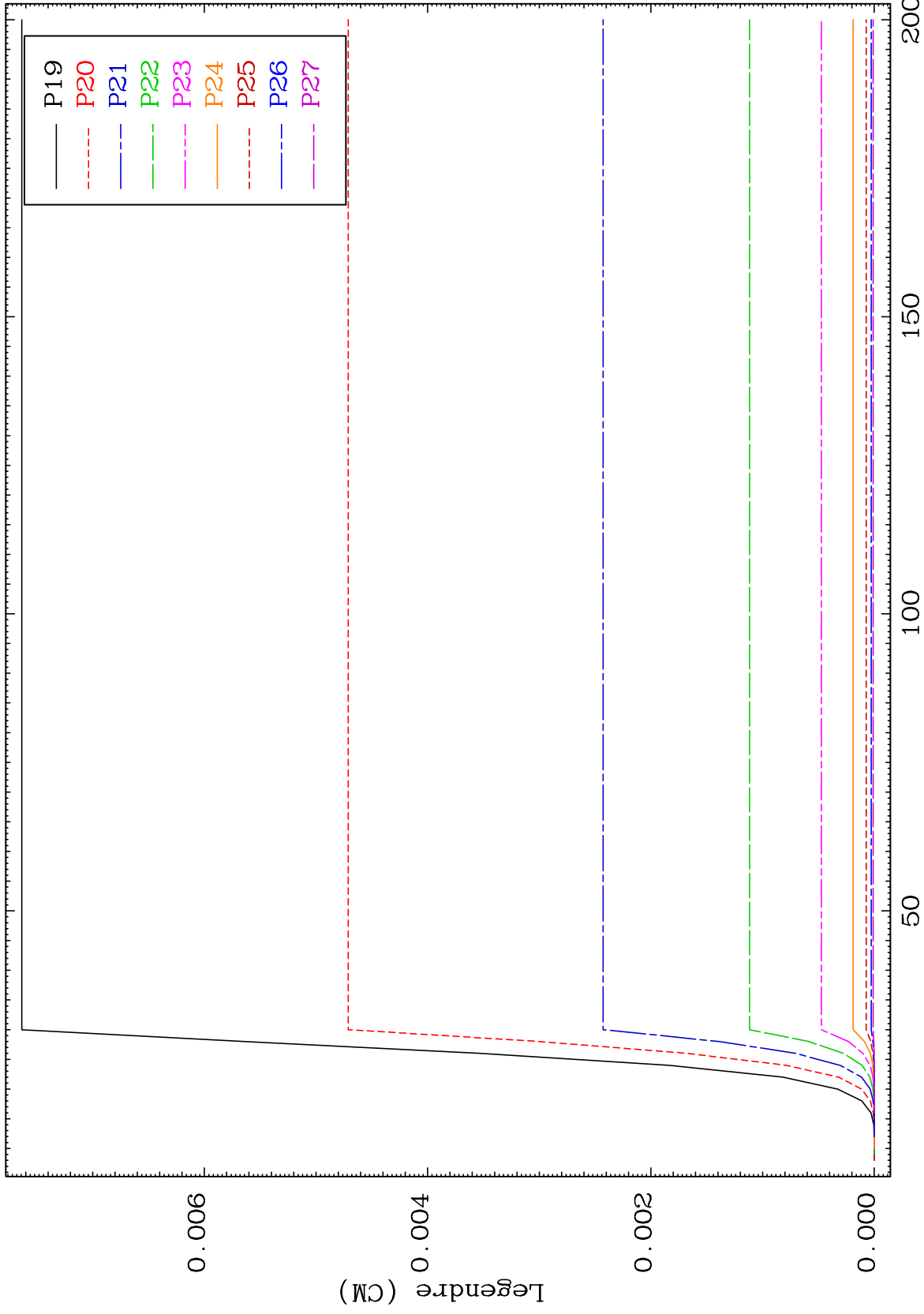
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-136



79

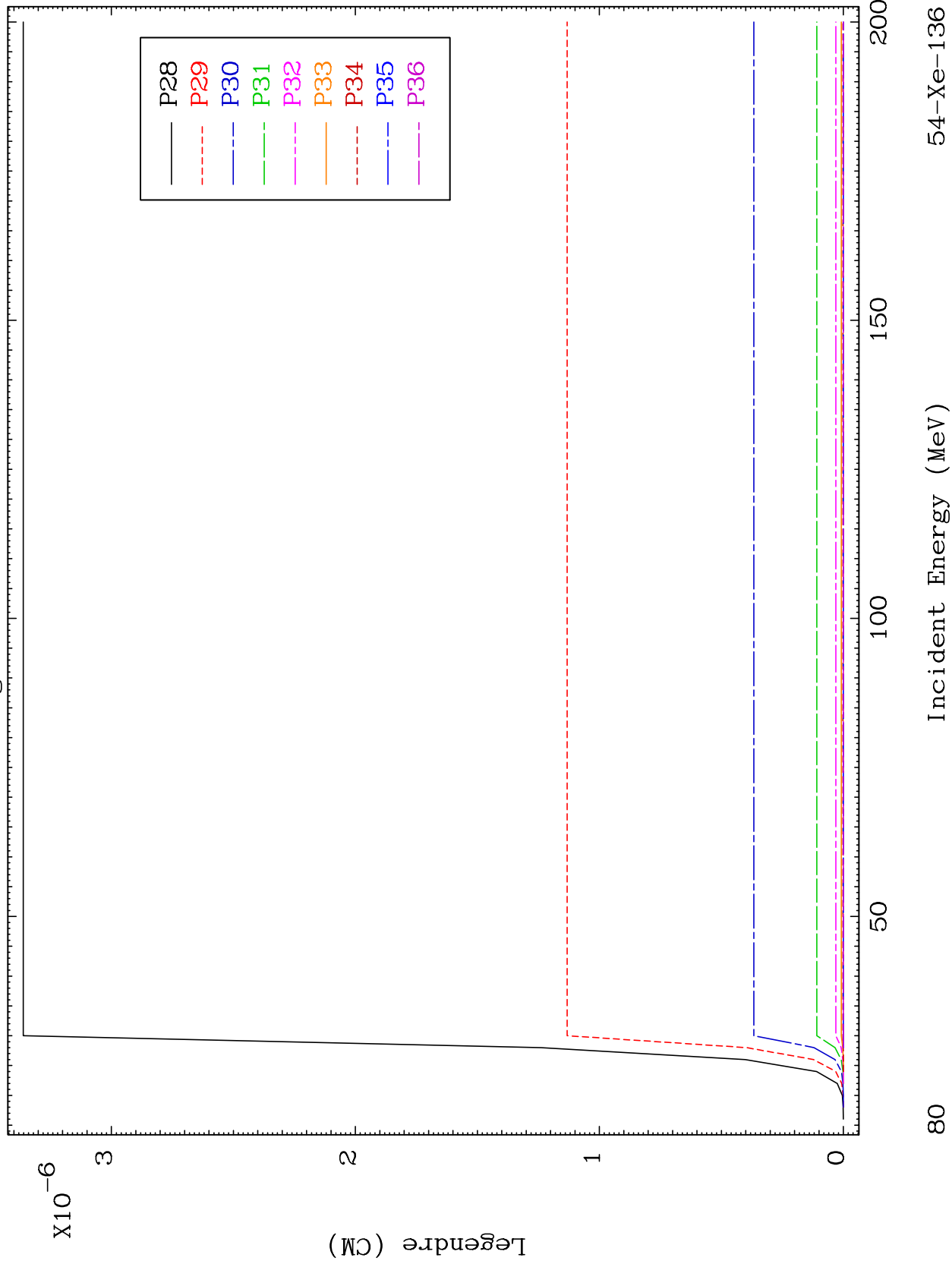
Incident Energy (MeV)

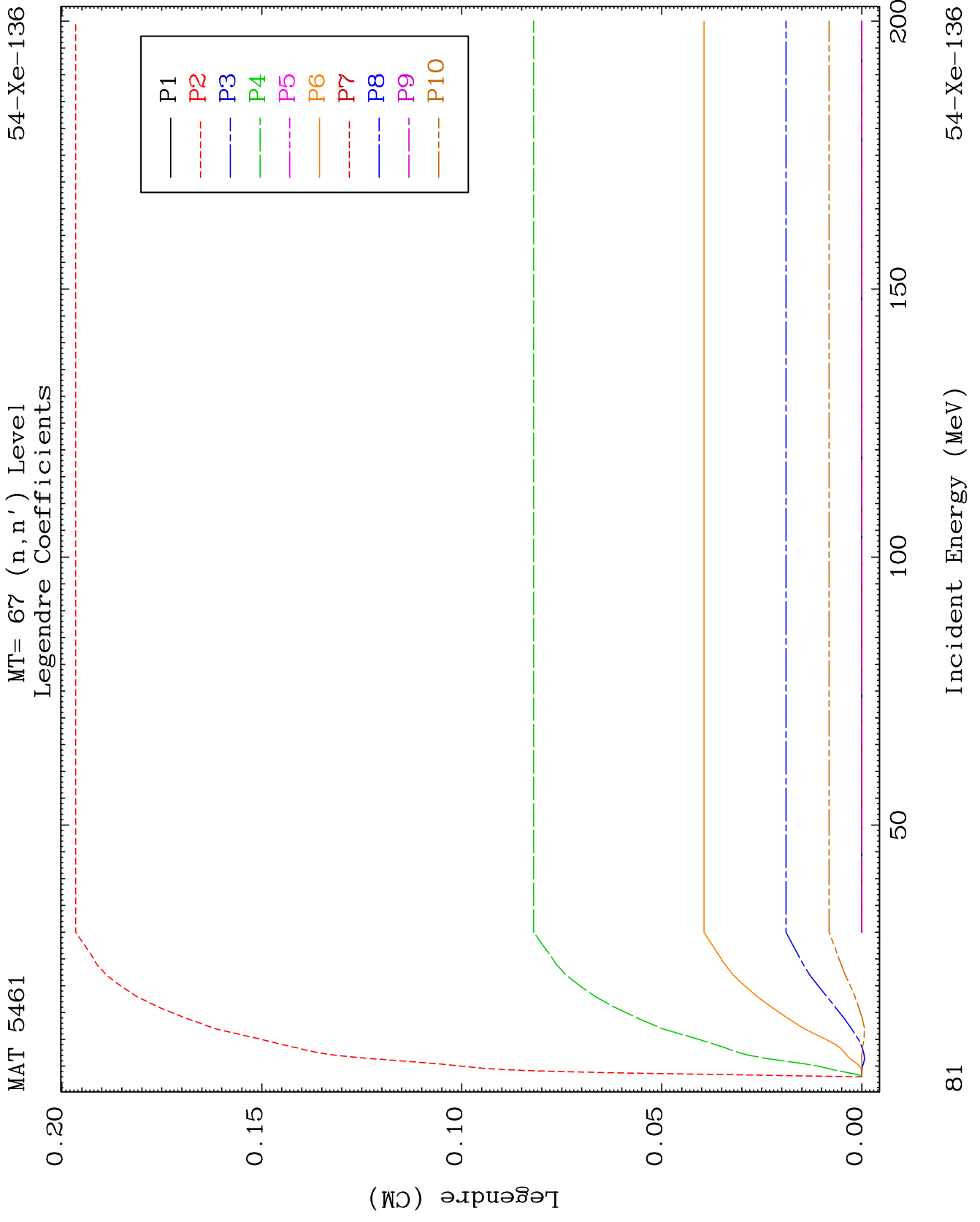
54-Xe-136

MAT 5461

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-136

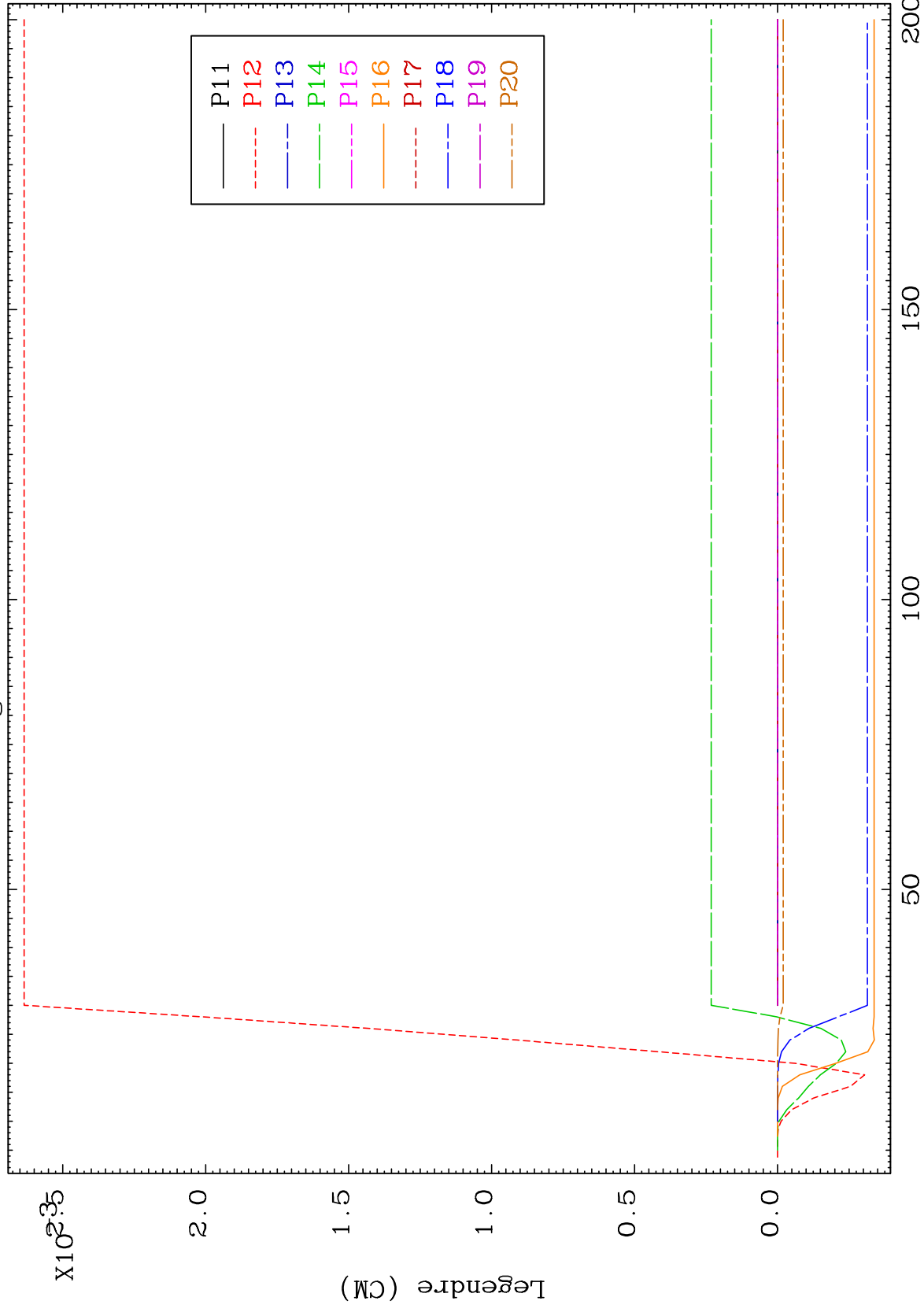




MAT 5461

MT= 67 (n,n') Level
Legendre Coefficients

54-Xe-136



82

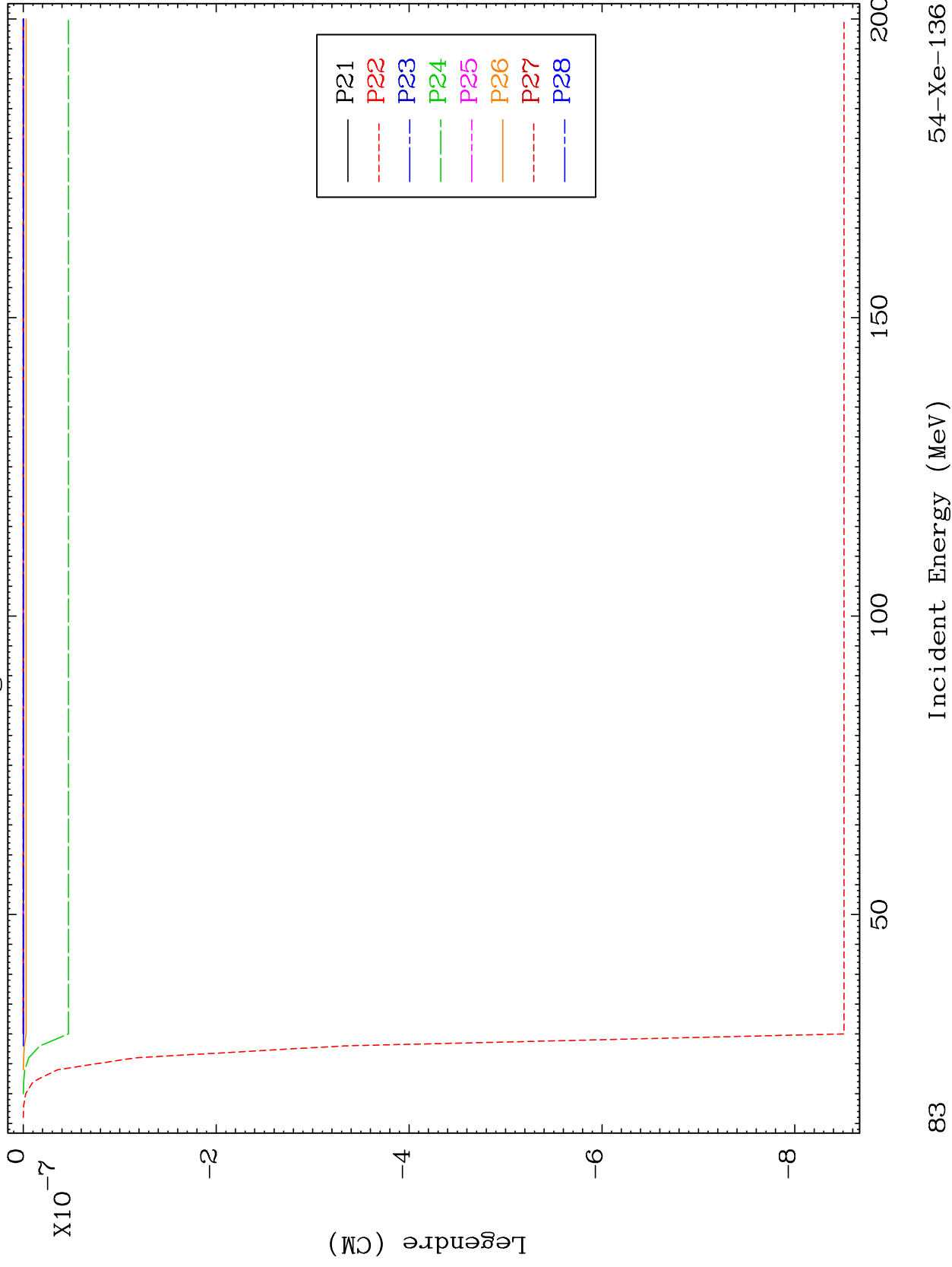
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 67 (n,n') Level
Legendre Coefficients

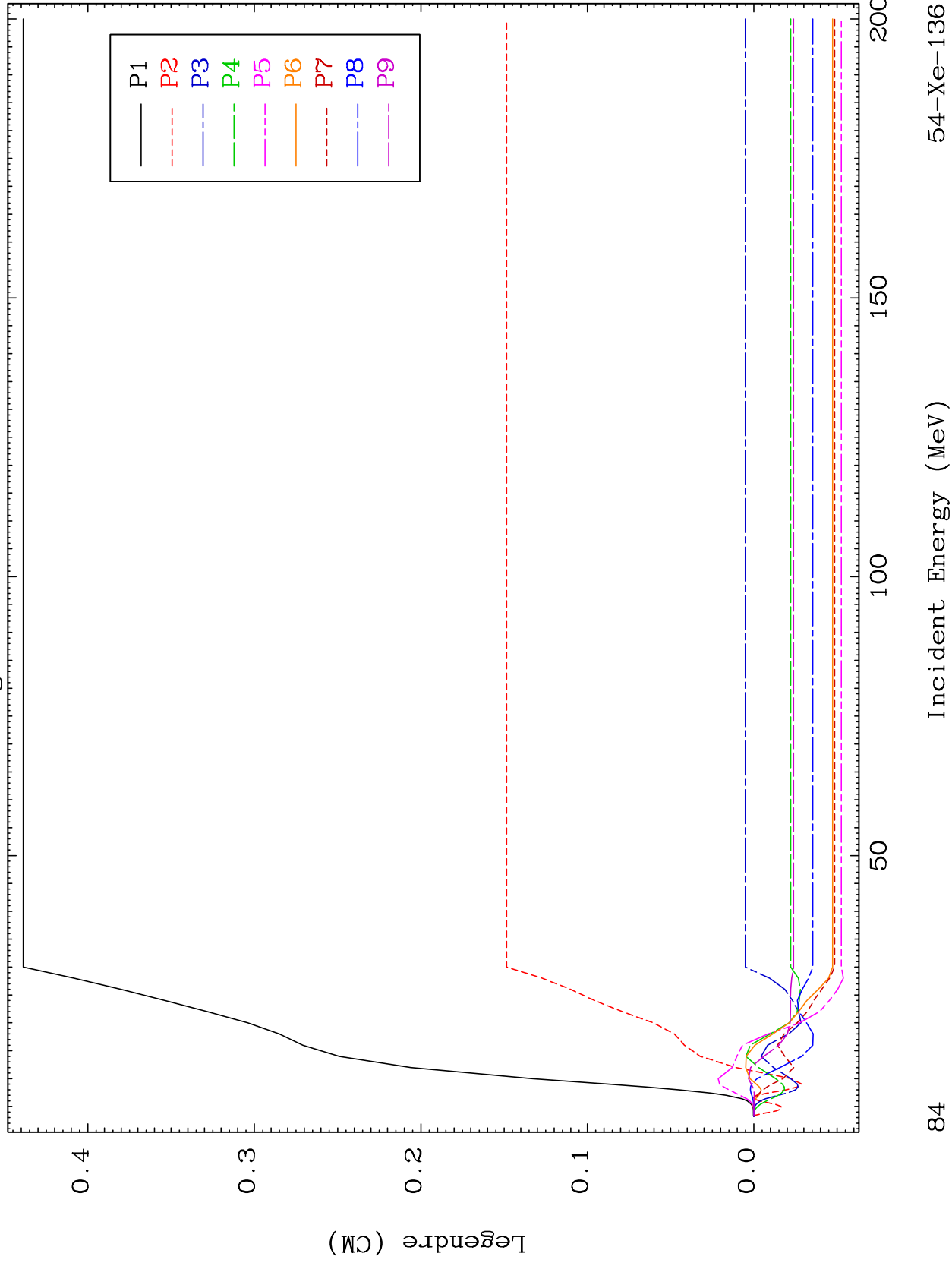
54-Xe-136



MAT 5461

MT= 68 (n,n') Level
Legendre Coefficients

54-Xe-136



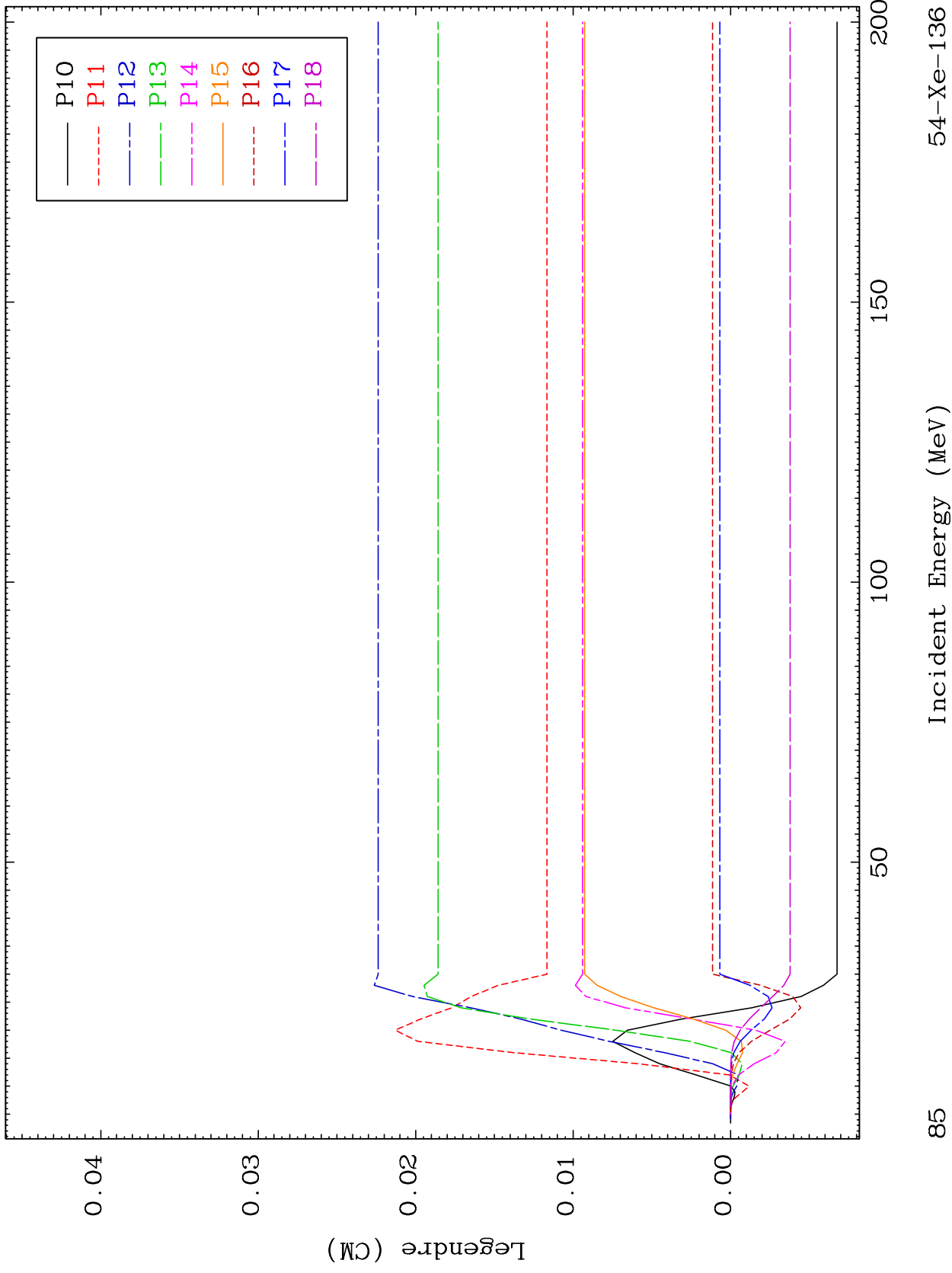
84

54-Xe-136

MAT 5461

MT= 68 (n,n') Level
Legendre Coefficients

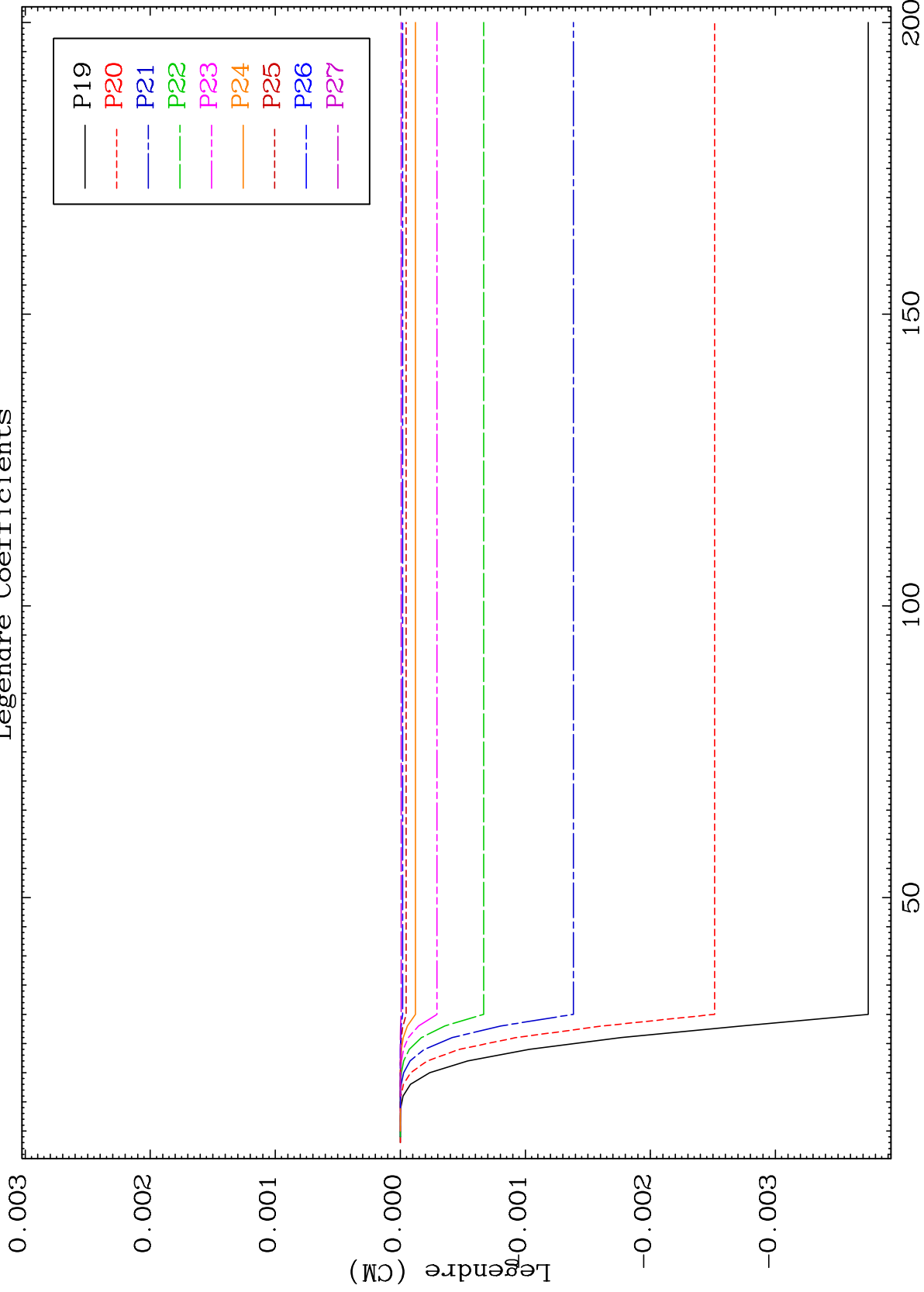
54-Xe-136

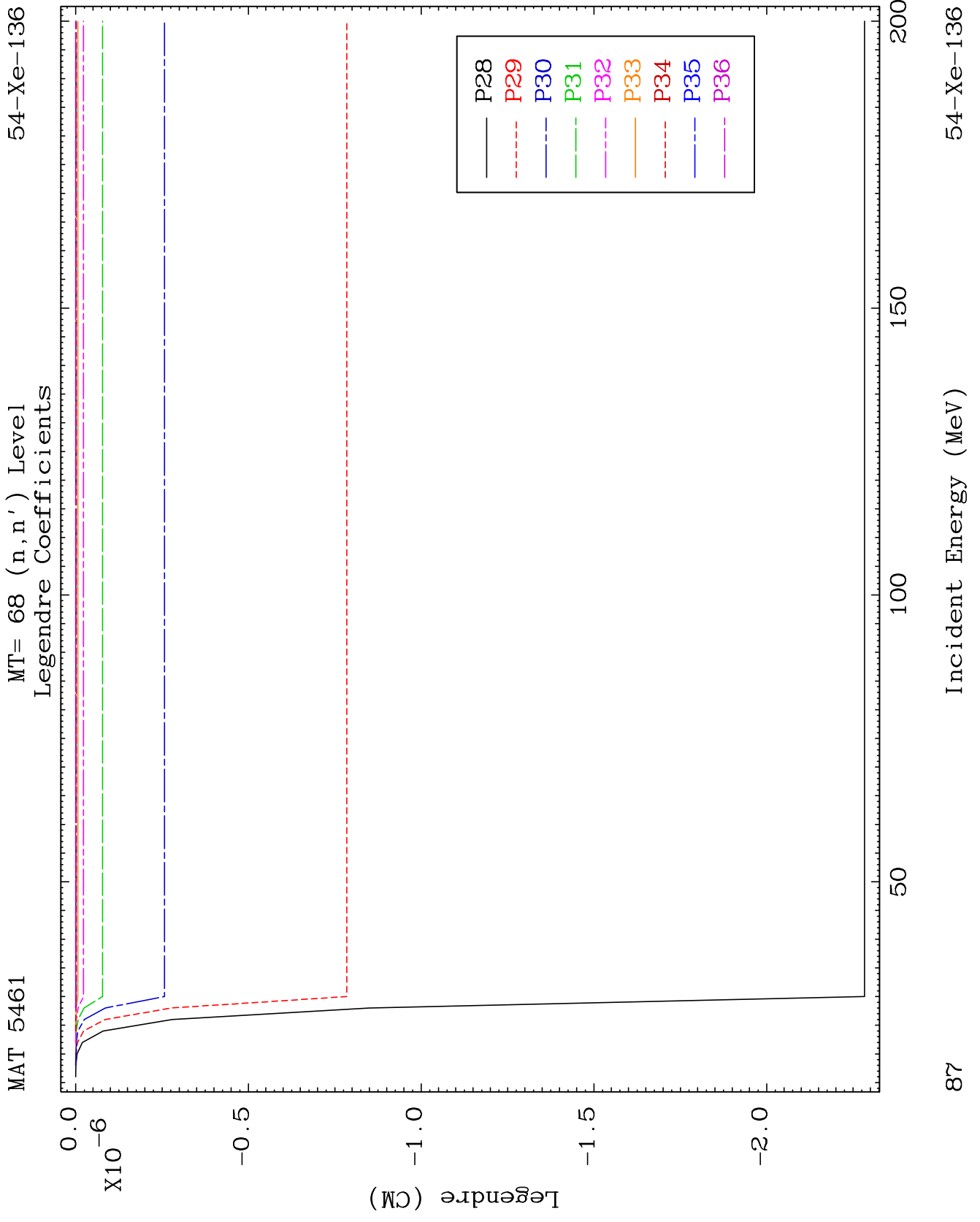


85

Incident Energy (MeV)

54-Xe-136

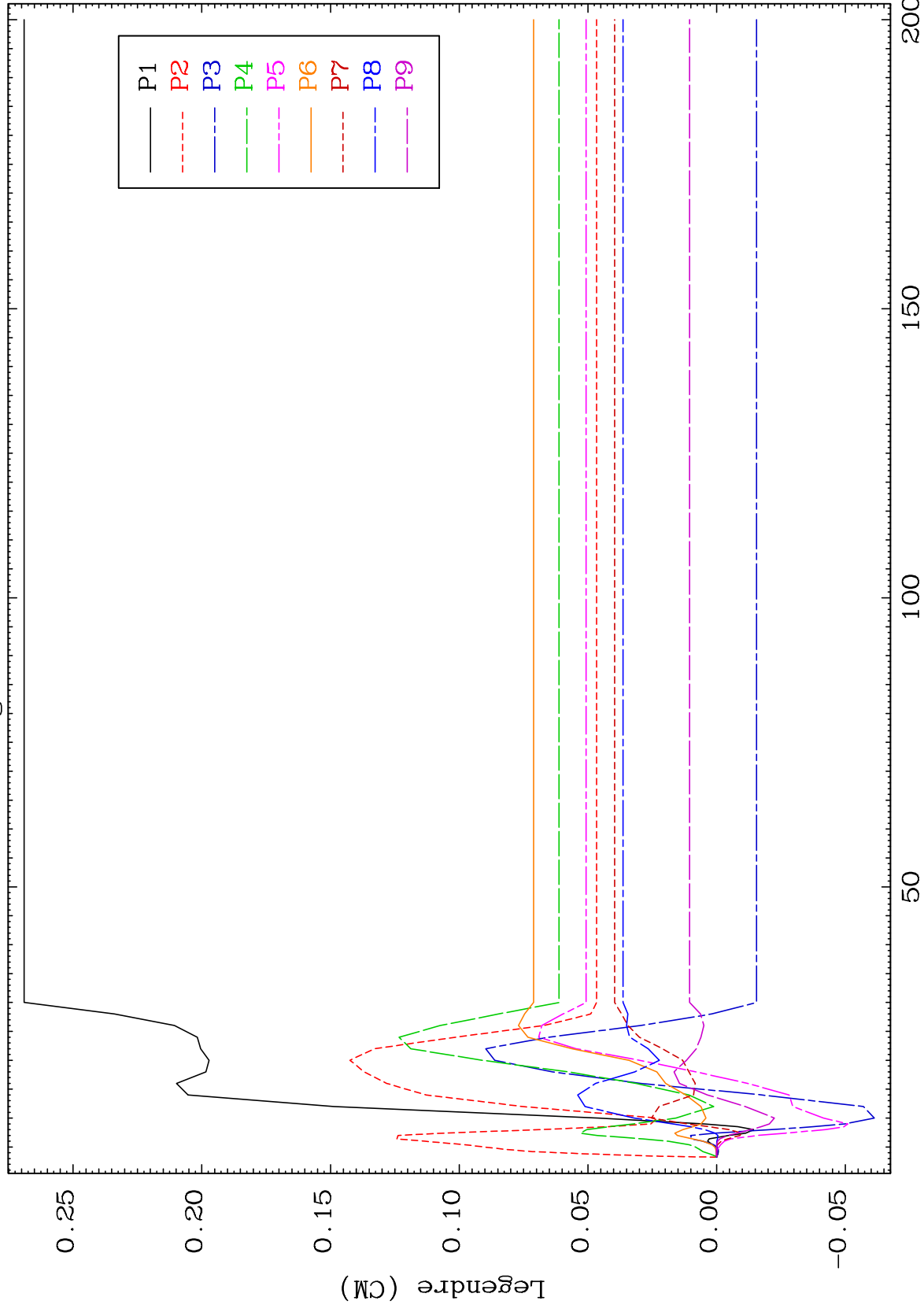




MAT 5461

MT= 69 (n,n') Level
Legendre Coefficients

54-Xe-136



88

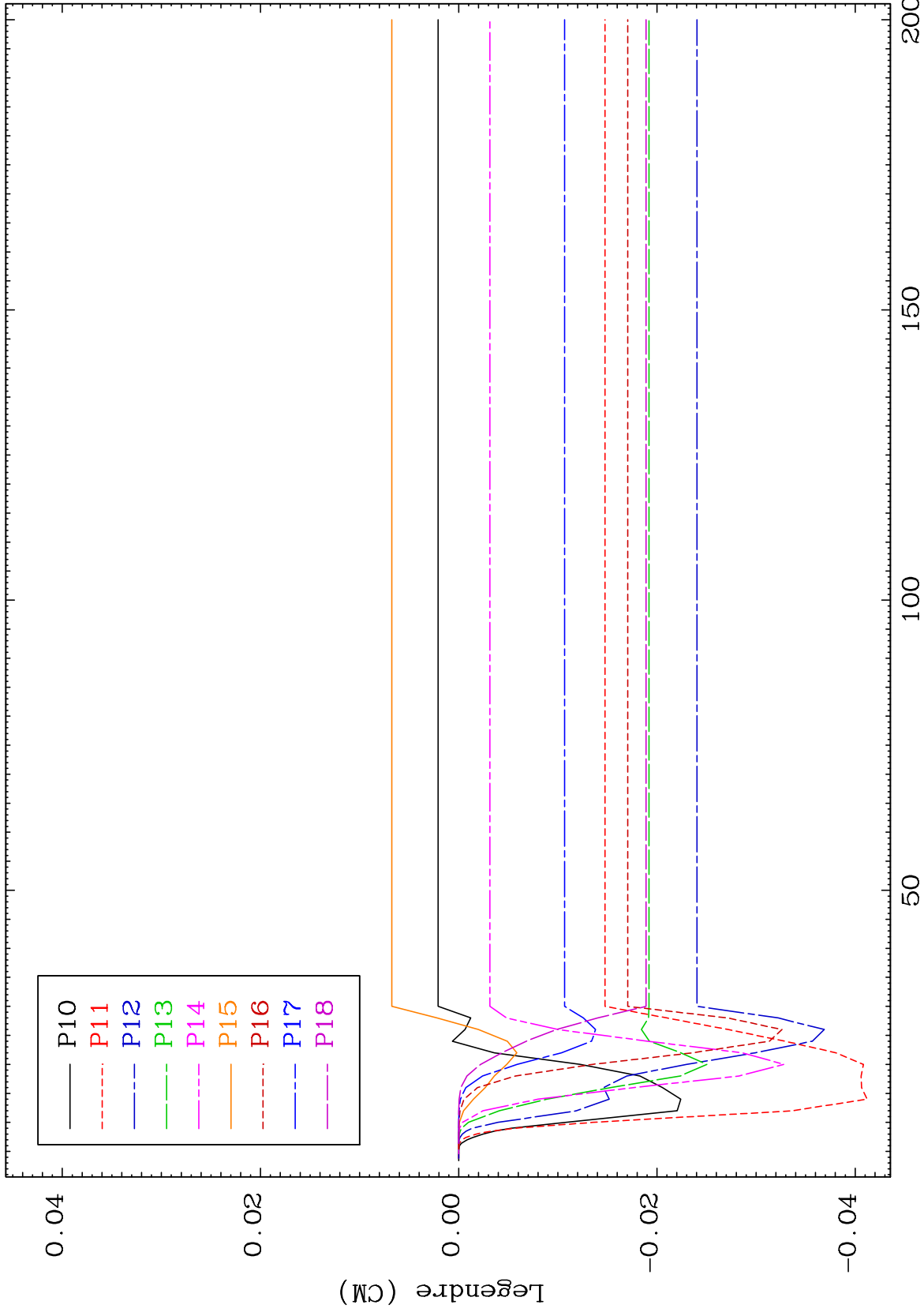
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 69 (n,n') Level
Legendre Coefficients

54-Xe-136



89

Incident Energy (MeV)

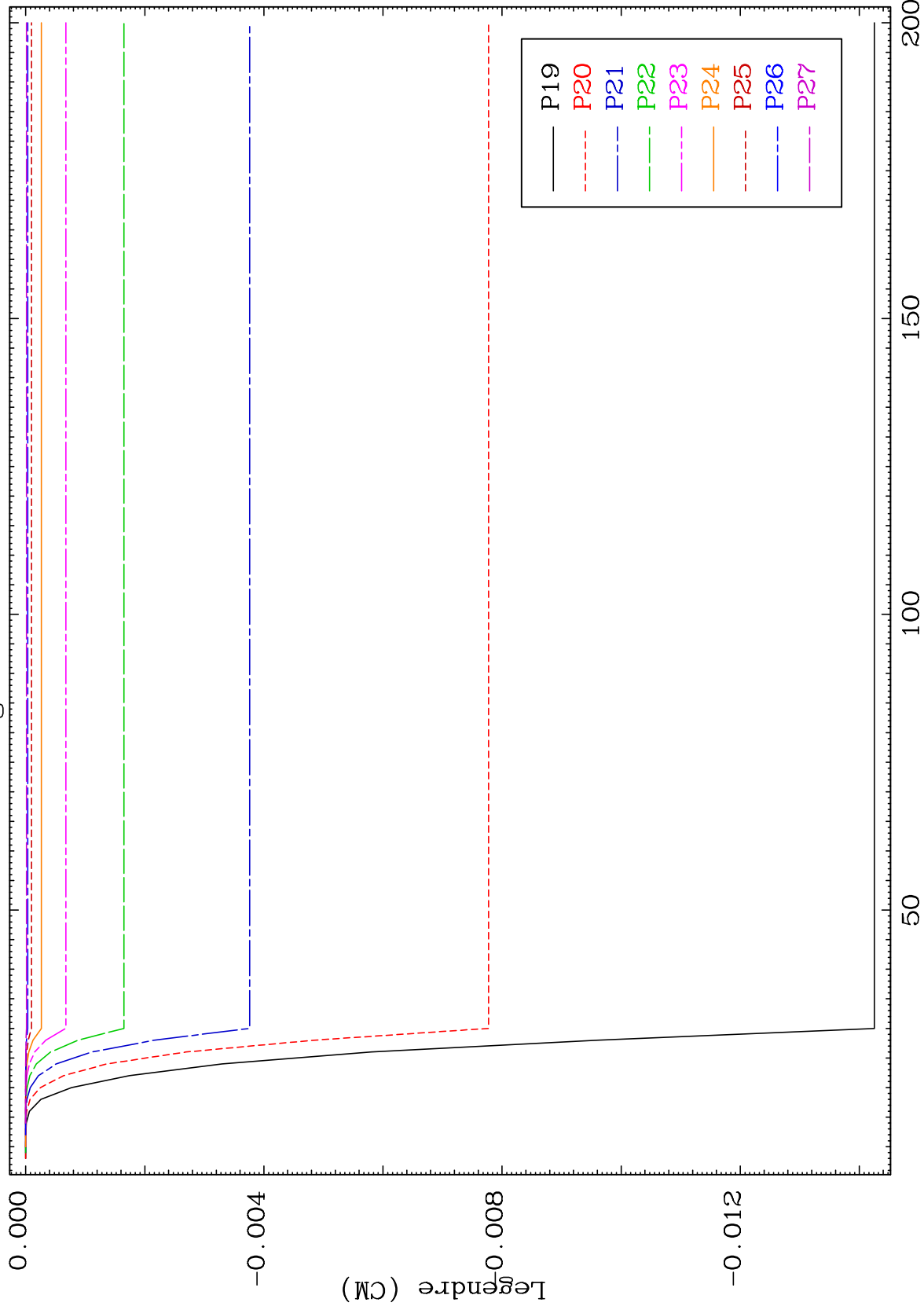
54-Xe-136

MAT 5461

MT= 69 (n,n') Level

54-Xe-136

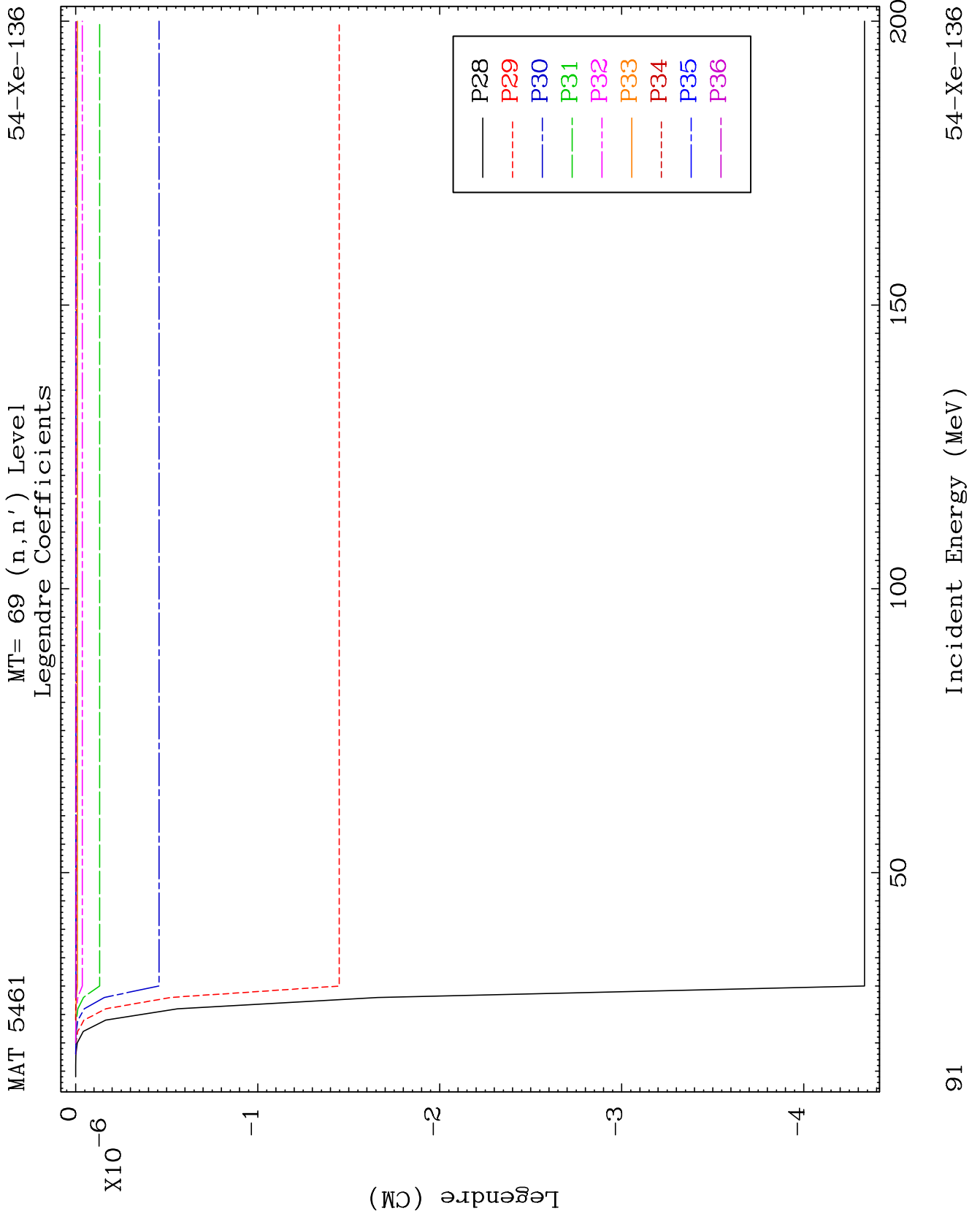
Legendre Coefficients



54-Xe-136

Incident Energy (MeV)

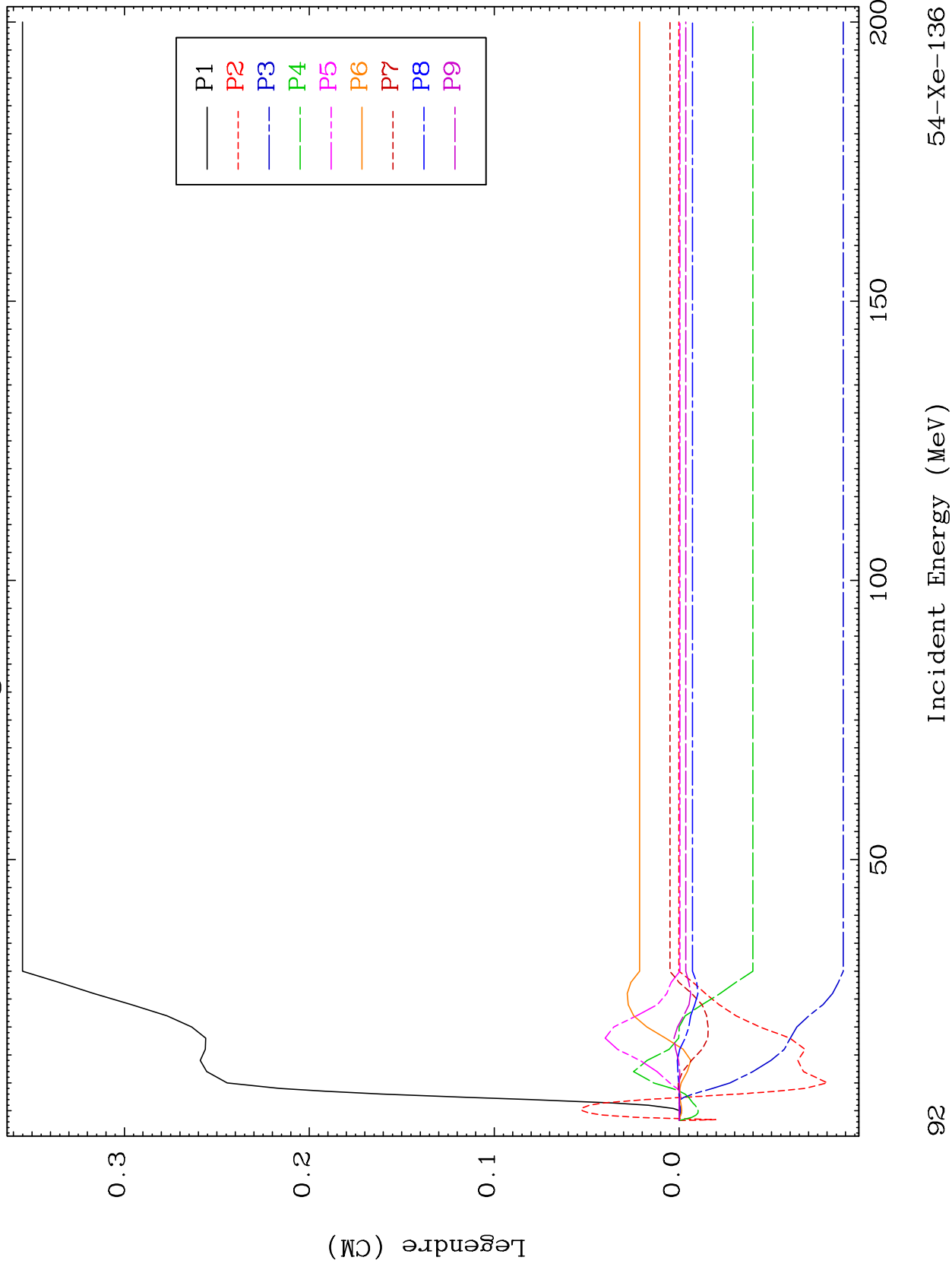
90



MAT 5461

MT= 70 (n,n') Level
Legendre Coefficients

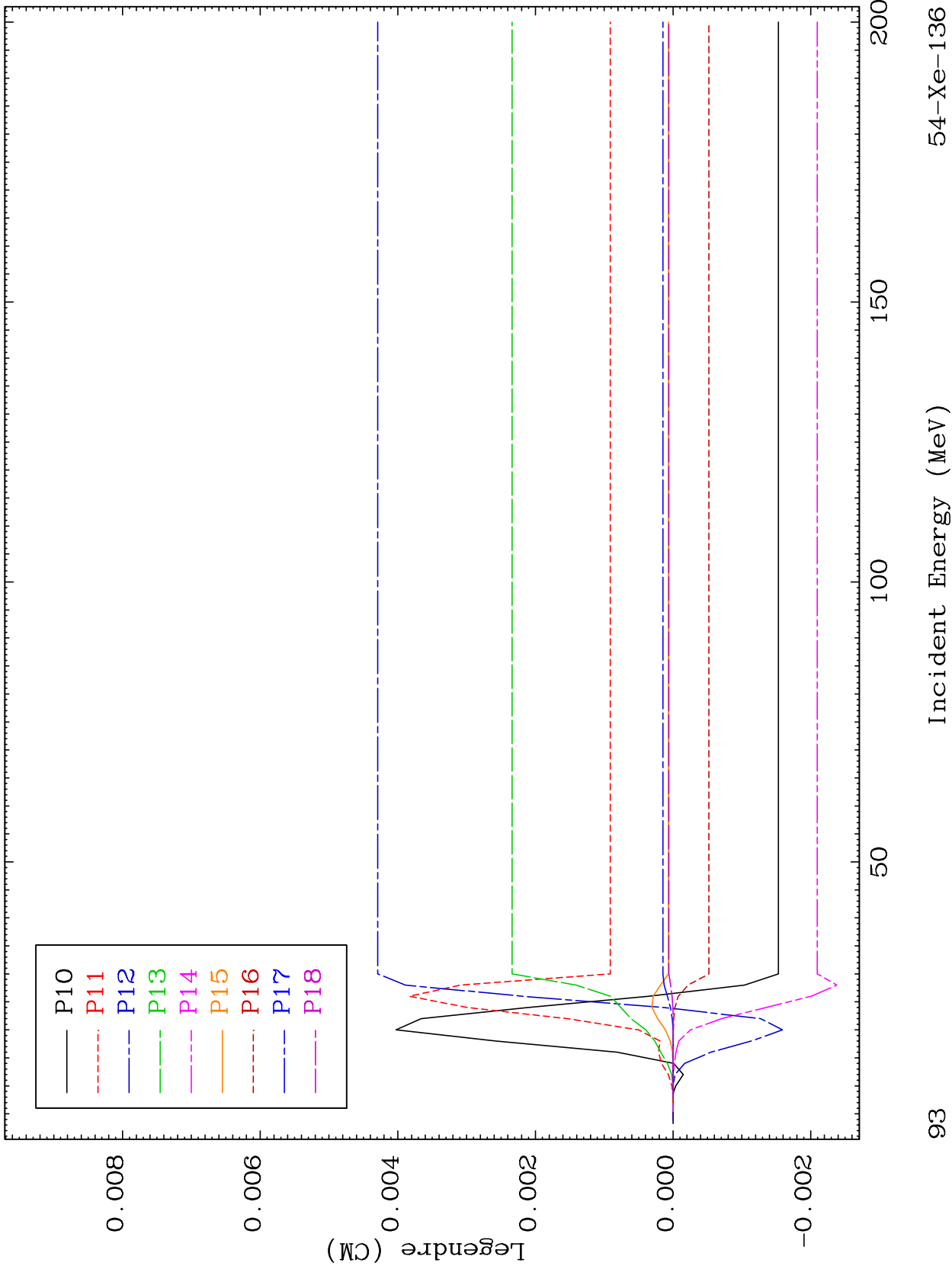
54-Xe-136

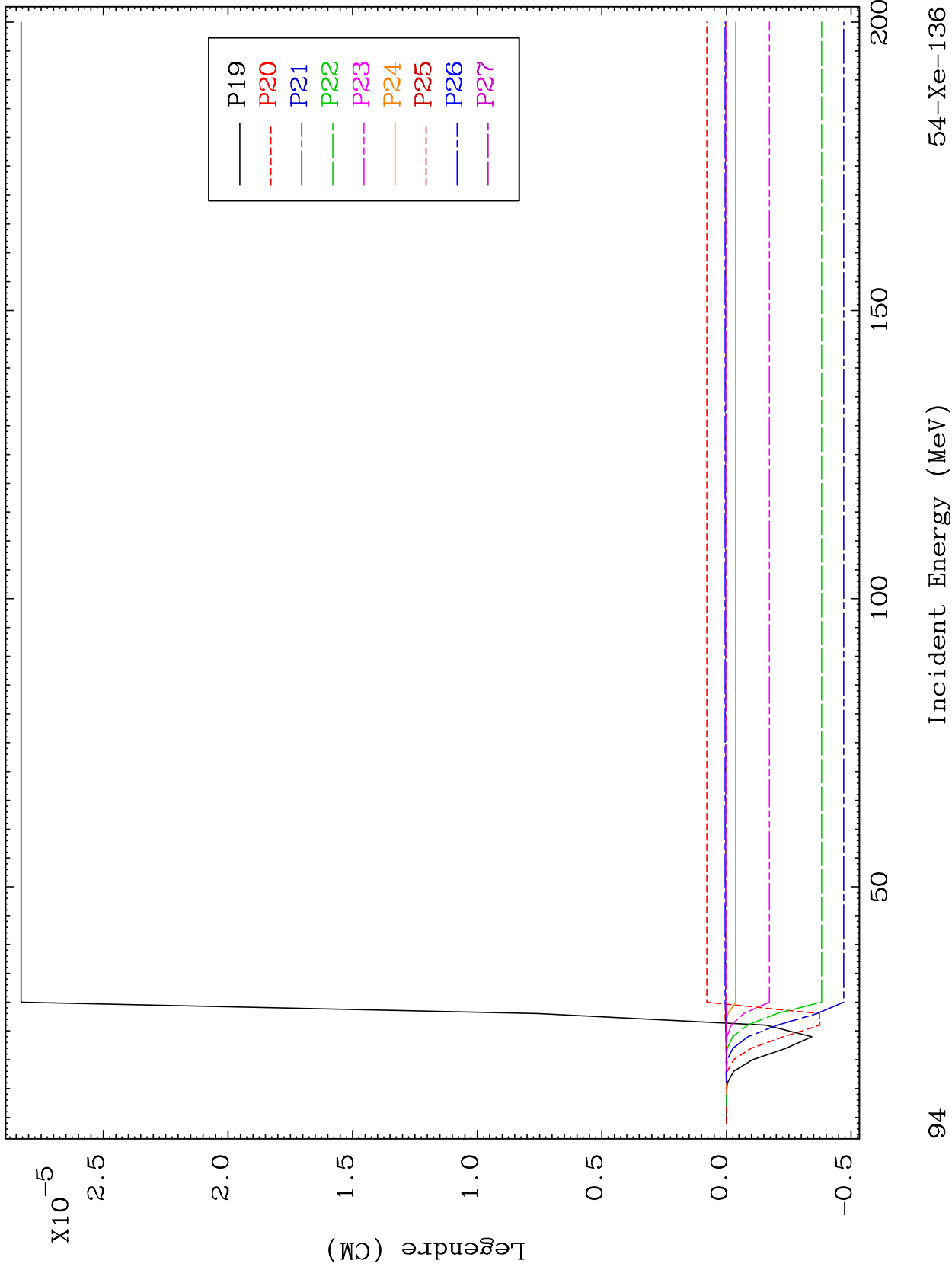


92

Incident Energy (MeV)

54-Xe-136

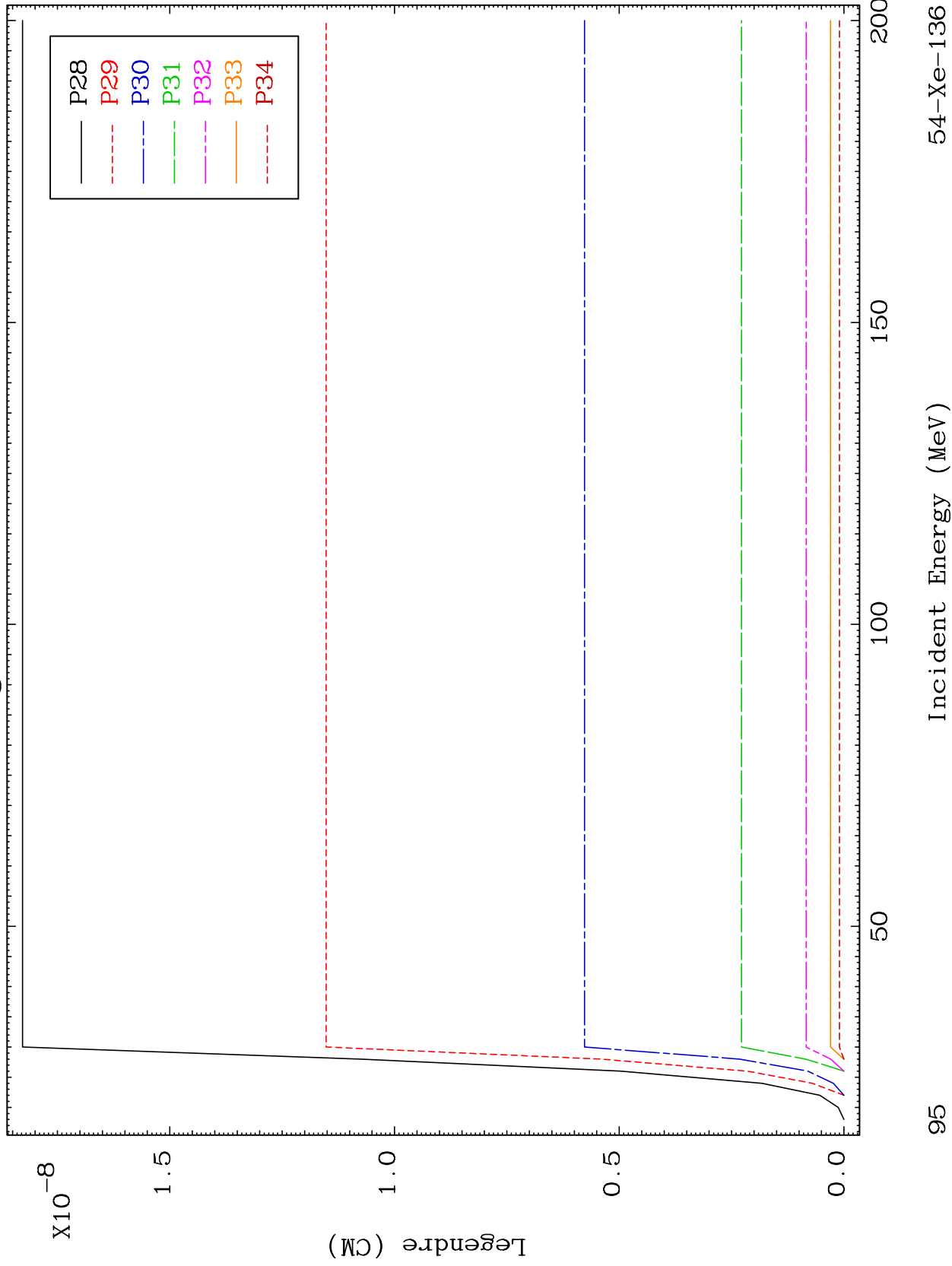




MAT 5461

MT= 70 (n,n') Level
Legendre Coefficients

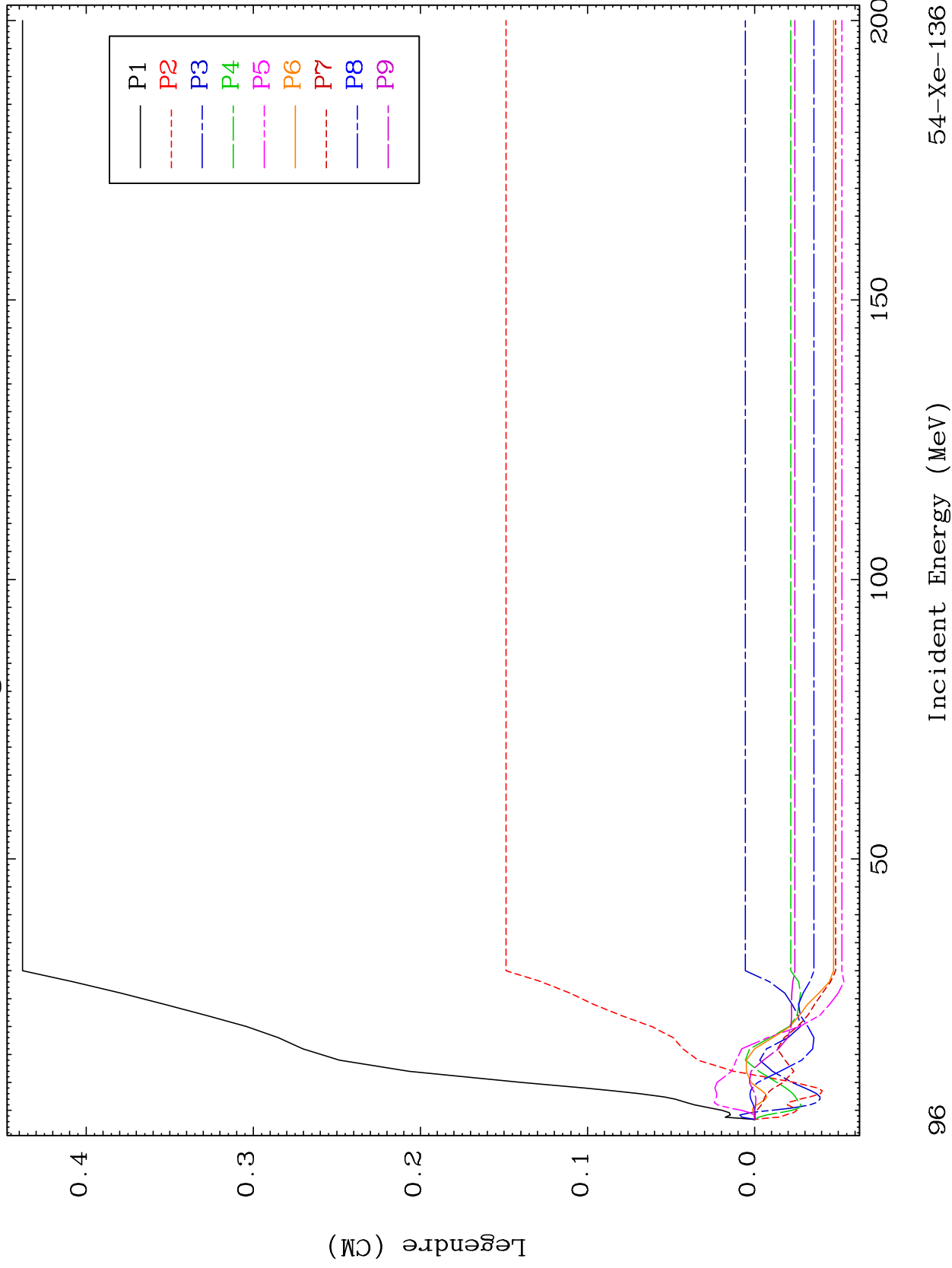
54-Xe-136



95

Incident Energy (MeV)

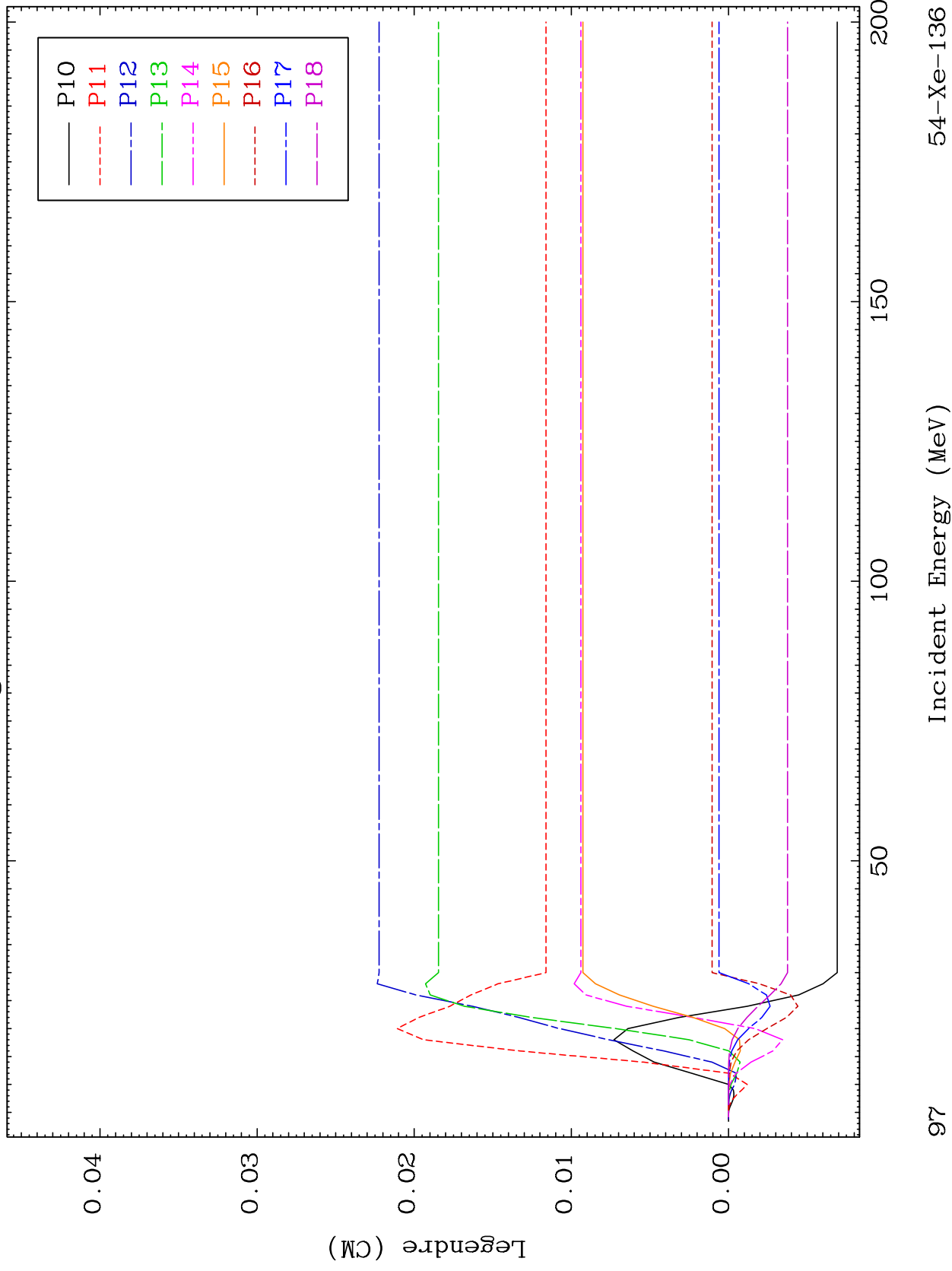
54-Xe-136

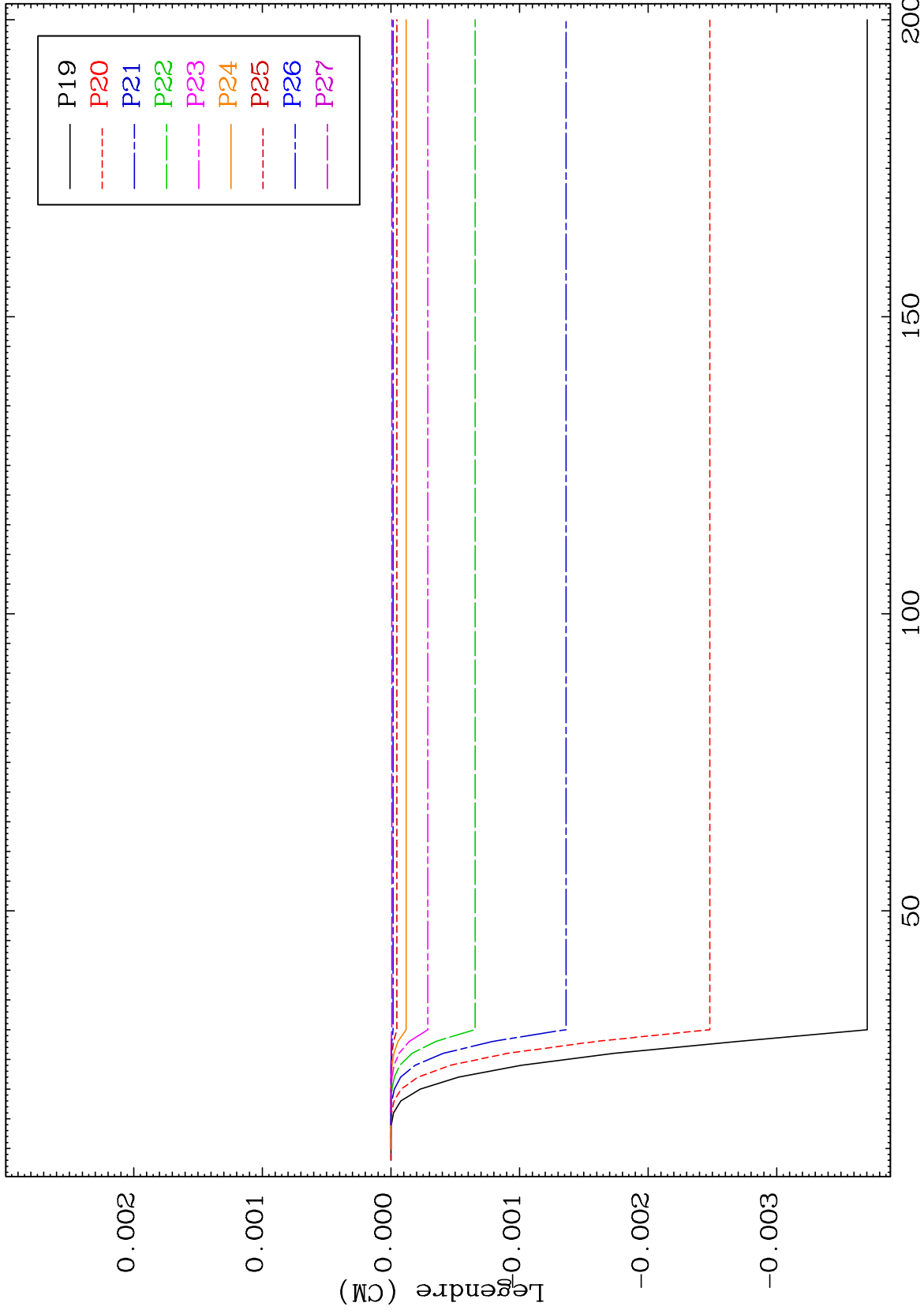


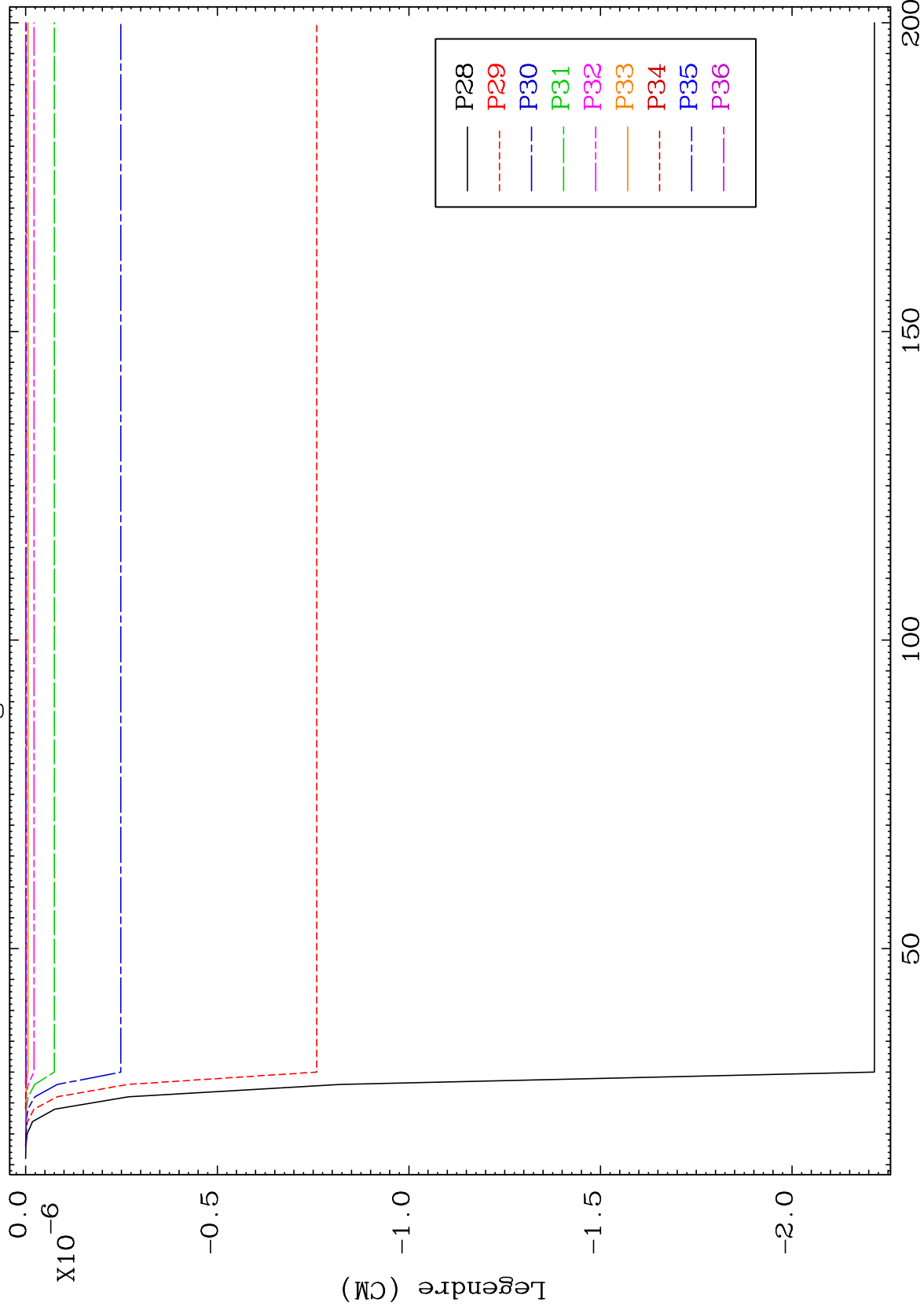
MAT 5461

MT= 71 (n,n') Level
Legendre Coefficients

54-Xe-136



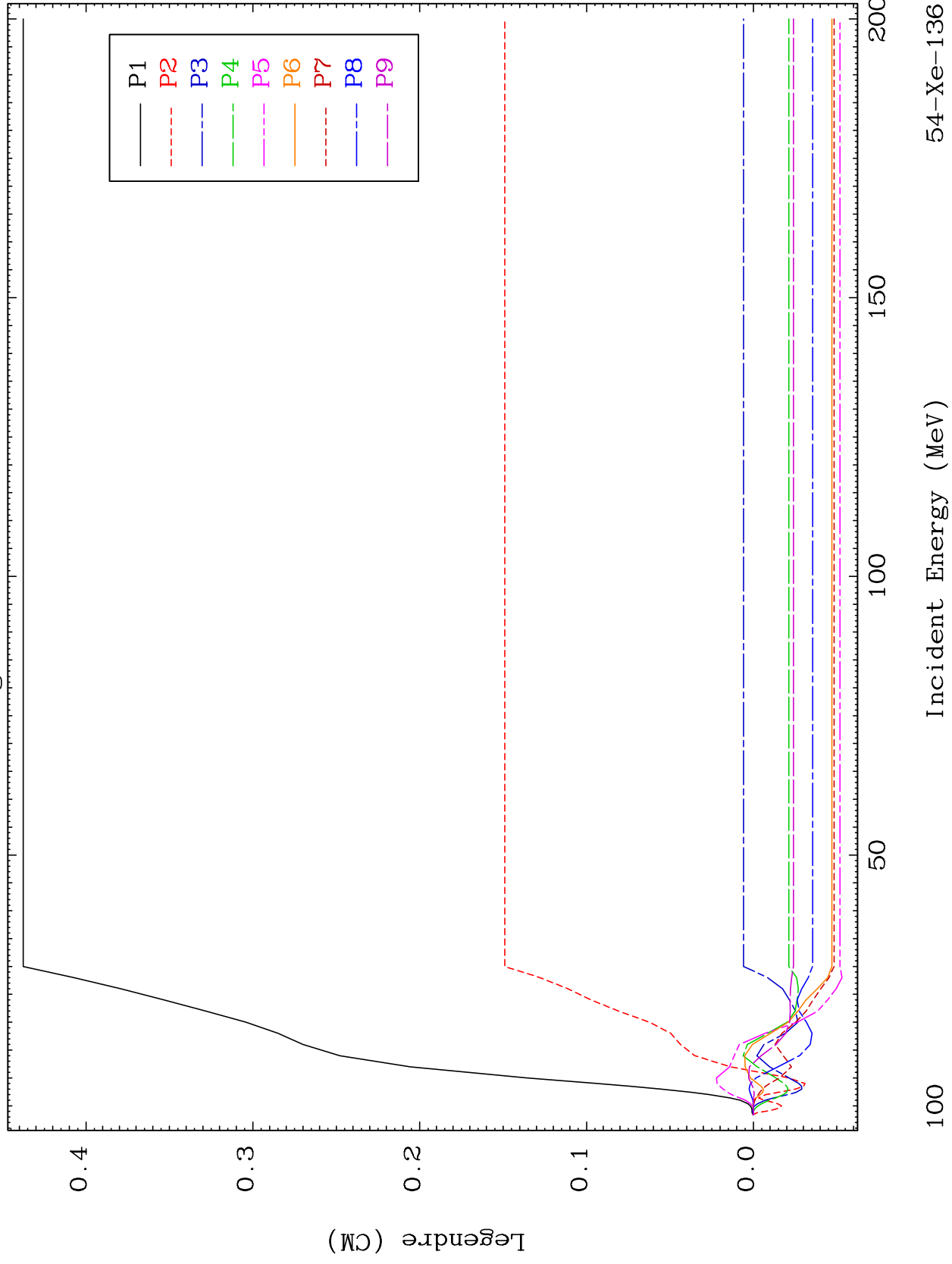




MAT 5461

MT= 72 (n,n') Level
Legendre Coefficients

54-Xe-136



54-Xe-136

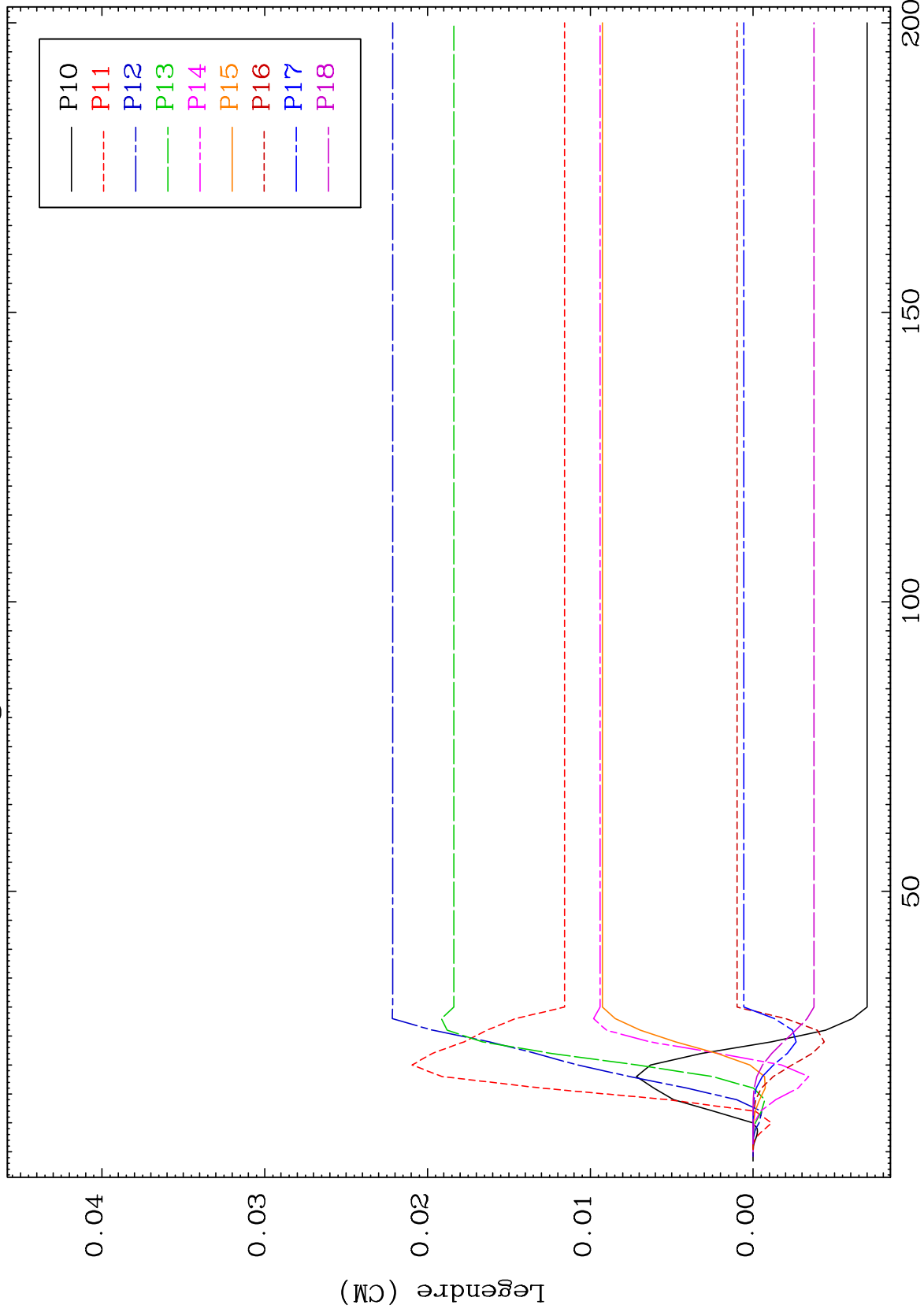
Incident Energy (MeV)

100

MAT 5461

MT= 72 (n,n') Level
Legendre Coefficients

54-Xe-136



101

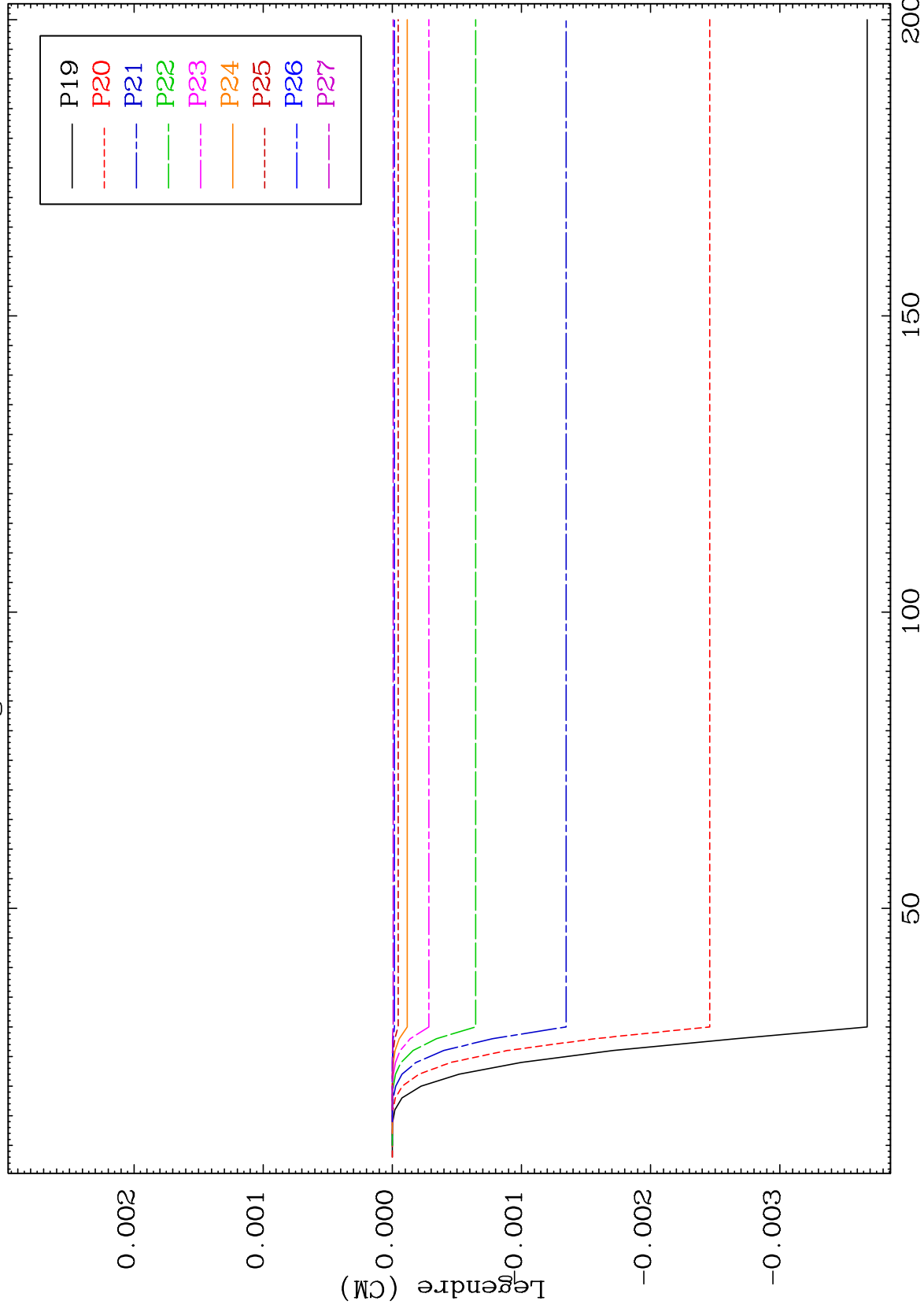
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 72 (n,n') Level
Legendre Coefficients

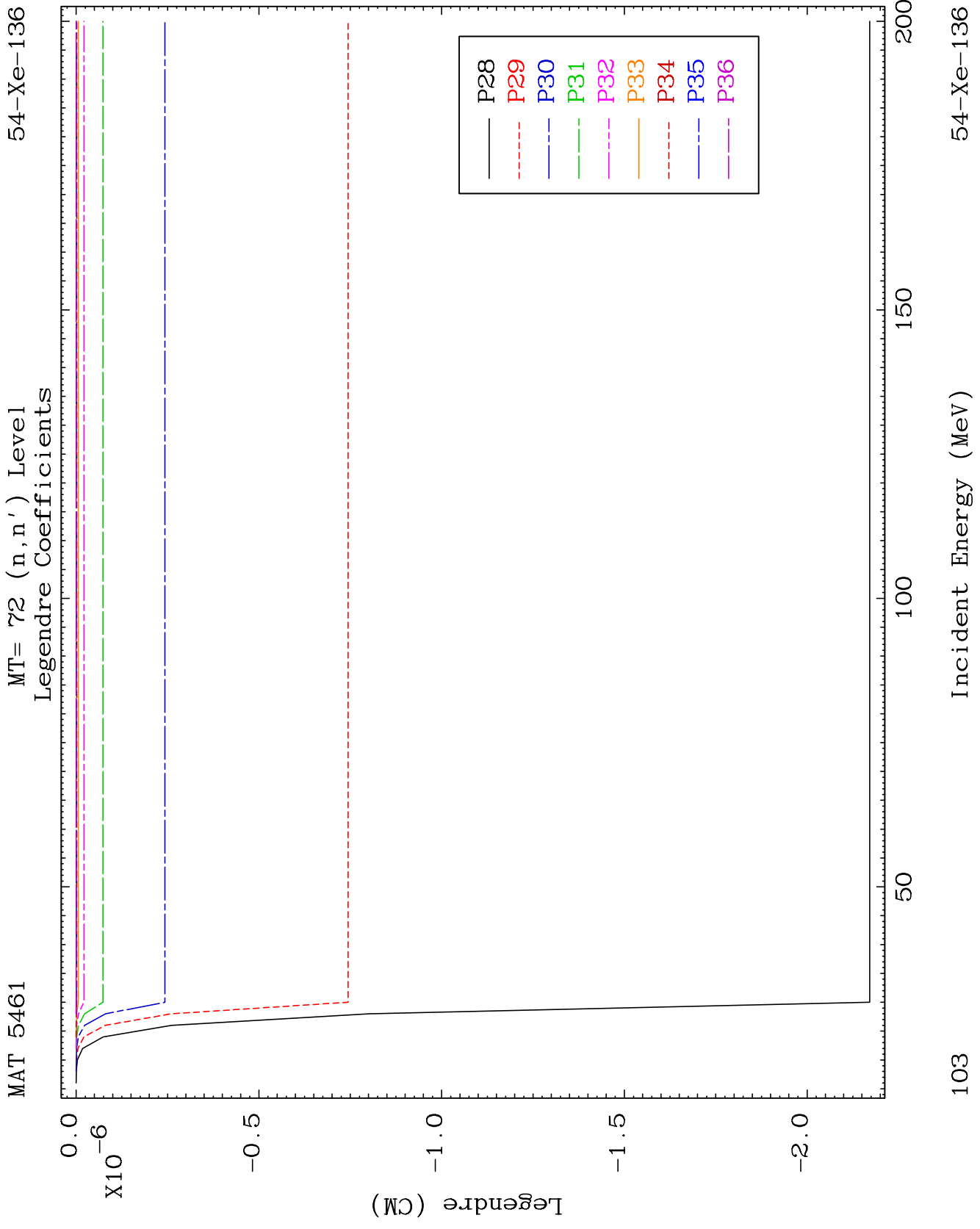
54-Xe-136



102

Incident Energy (MeV)

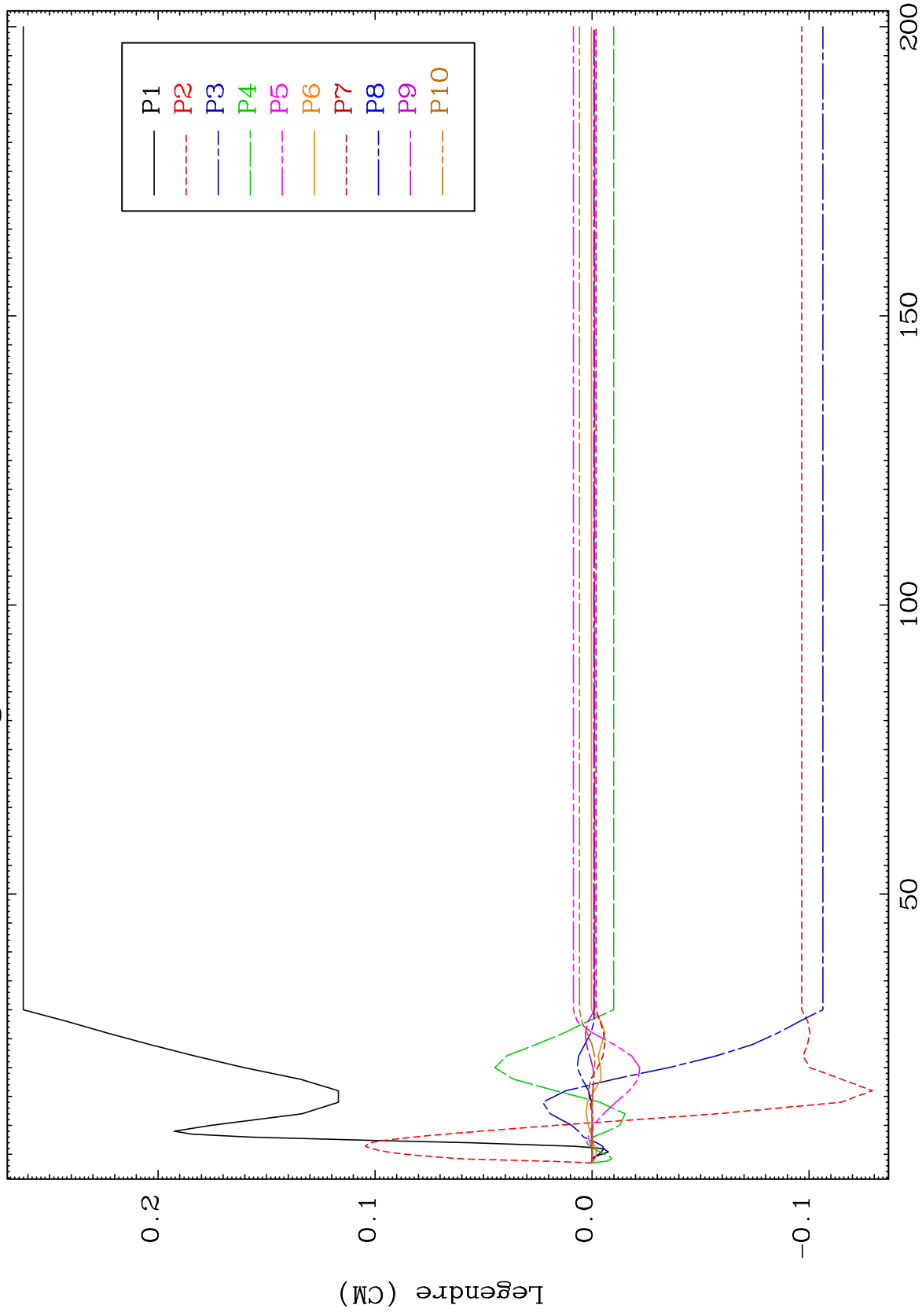
54-Xe-136



MAT 5461

MT= 73 (n,n') Level
Legendre Coefficients

54-Xe-136



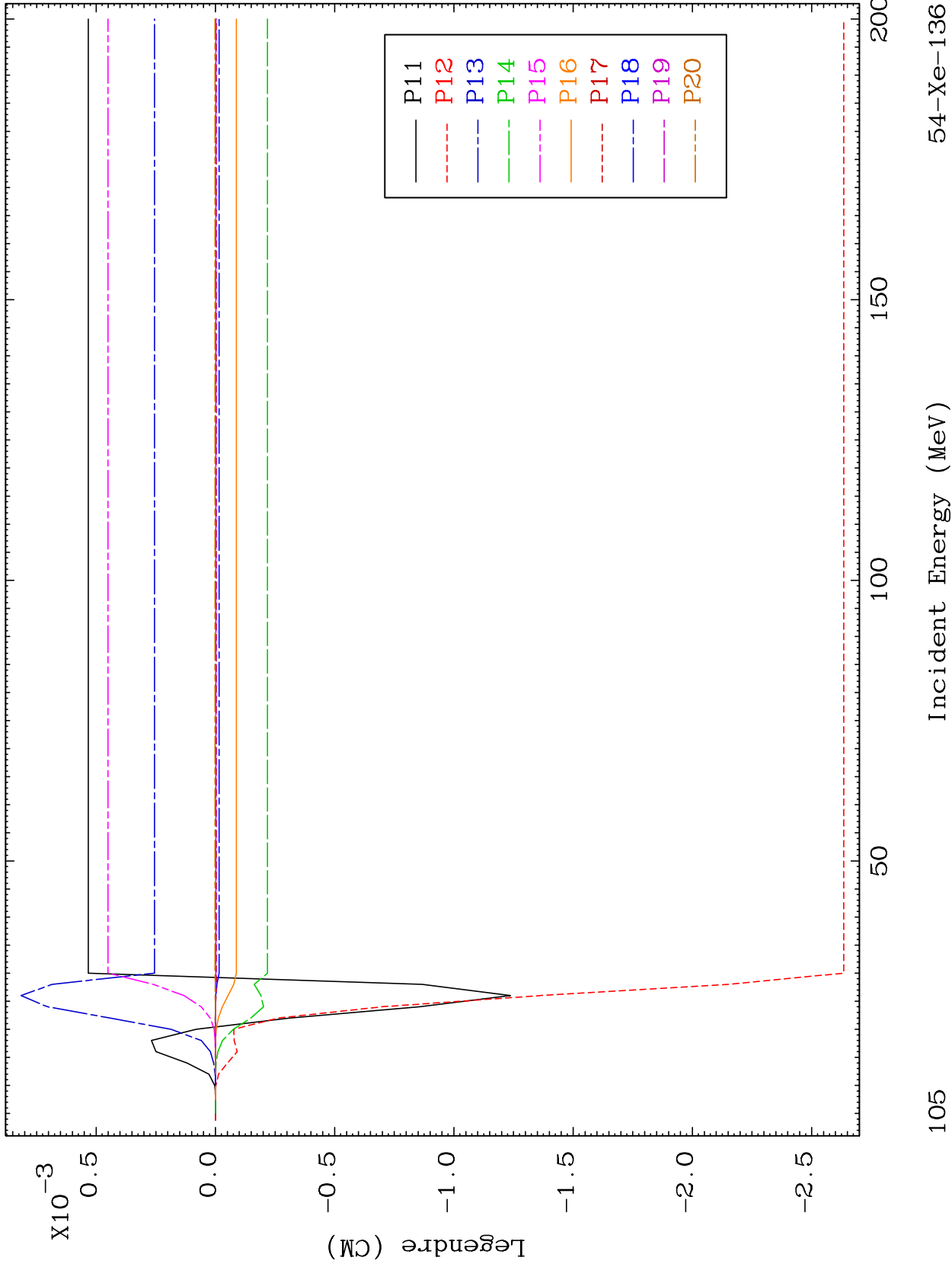
104

54-Xe-136

MAT 5461

MT= 73 (n,n') Level
Legendre Coefficients

54-Xe-136



105

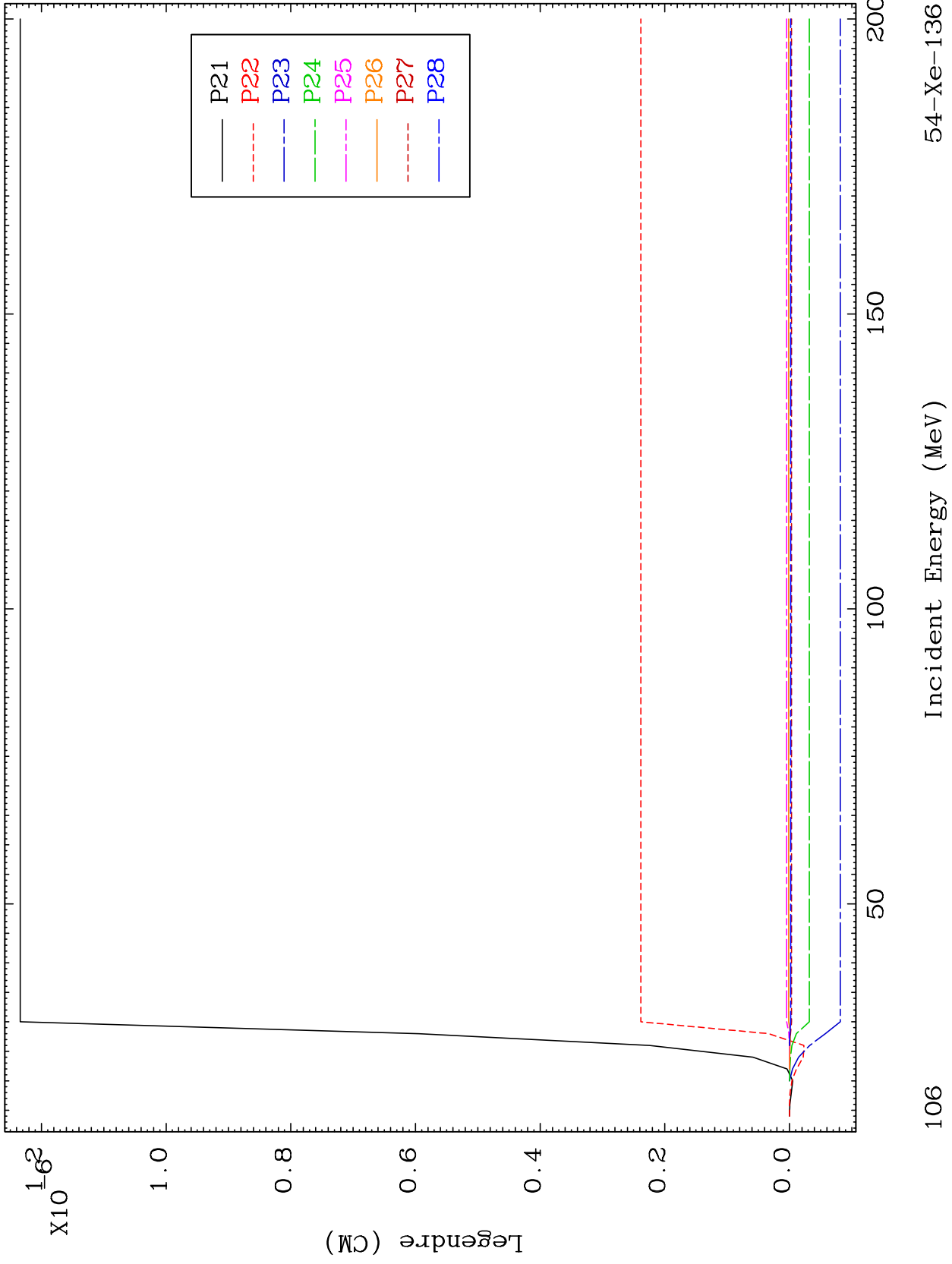
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 73 (n,n') Level
Legendre Coefficients

54-Xe-136

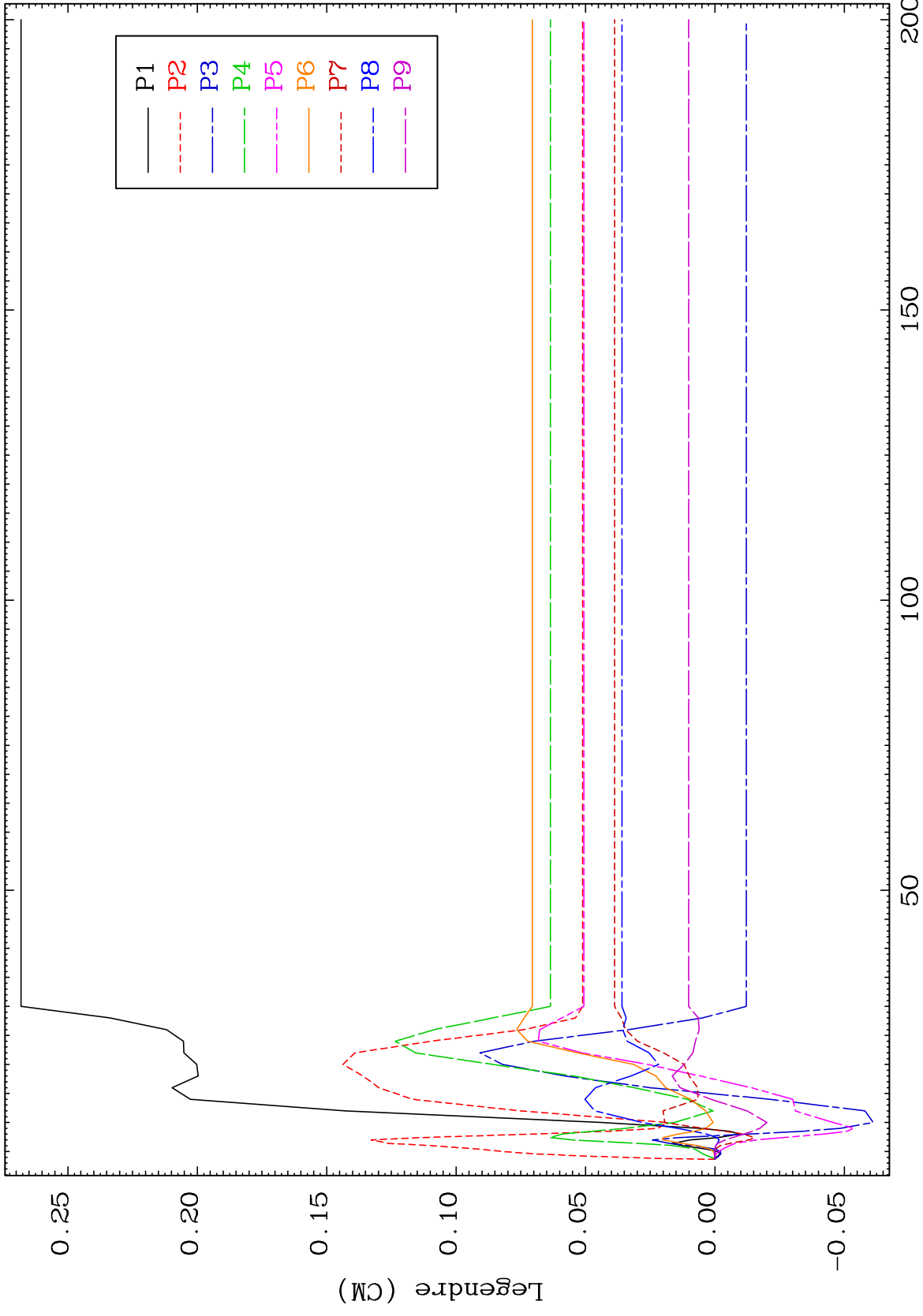


106

MAT 5461

MT= 74 (n,n') Level
Legendre Coefficients

54-Xe-136



107

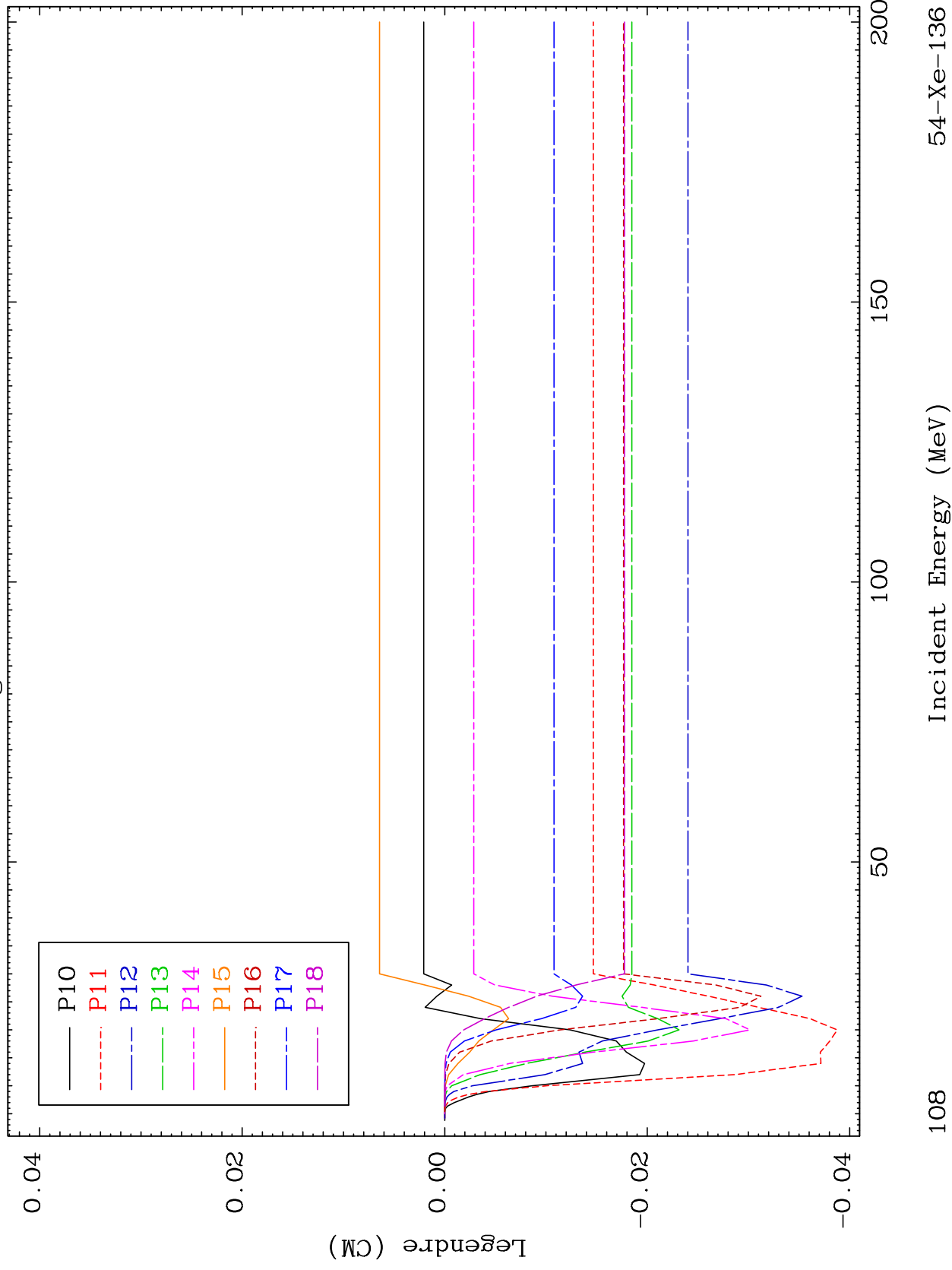
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 74 (n,n') Level
Legendre Coefficients

54-Xe-136



108

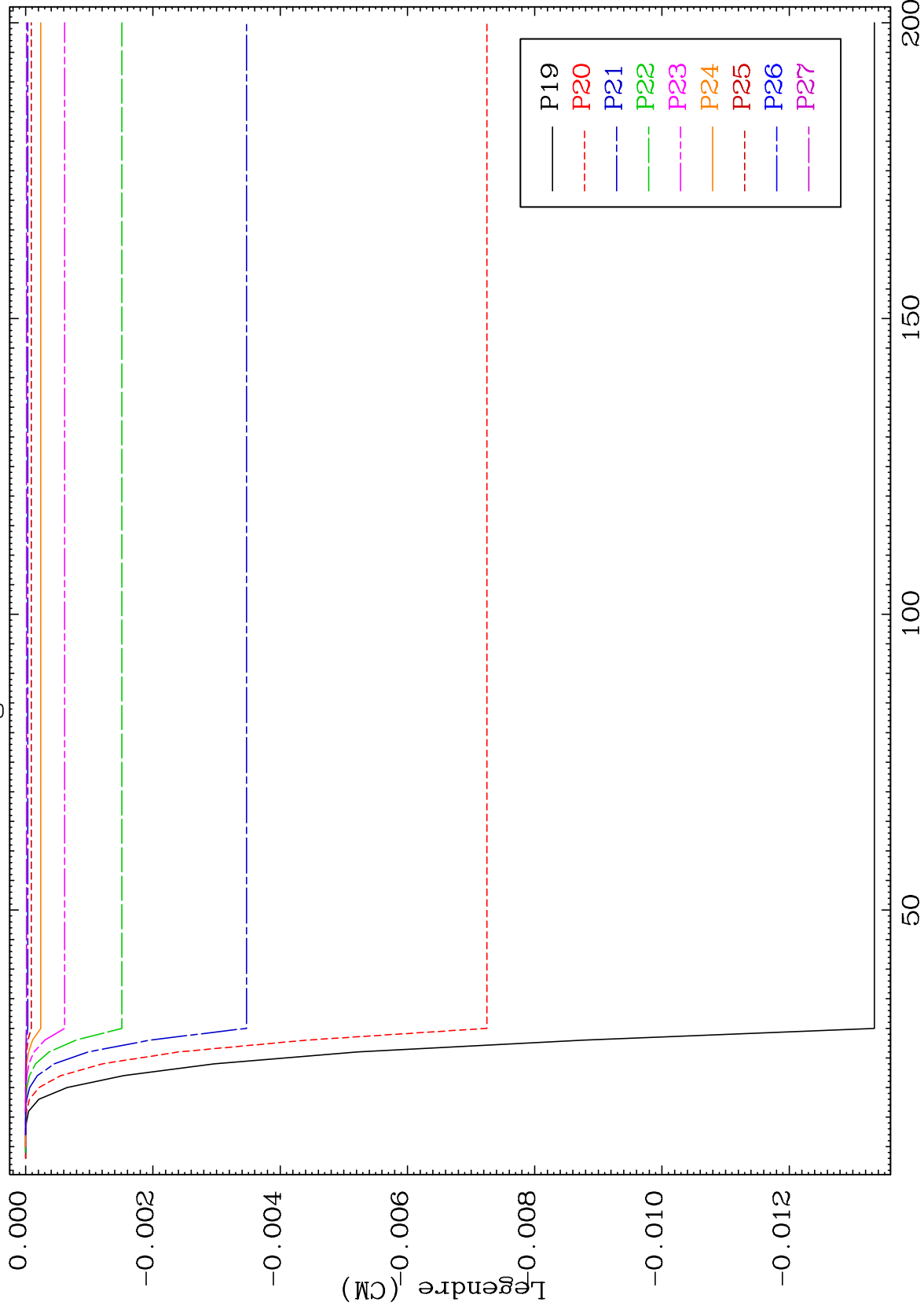
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 74 (n,n') Level
Legendre Coefficients

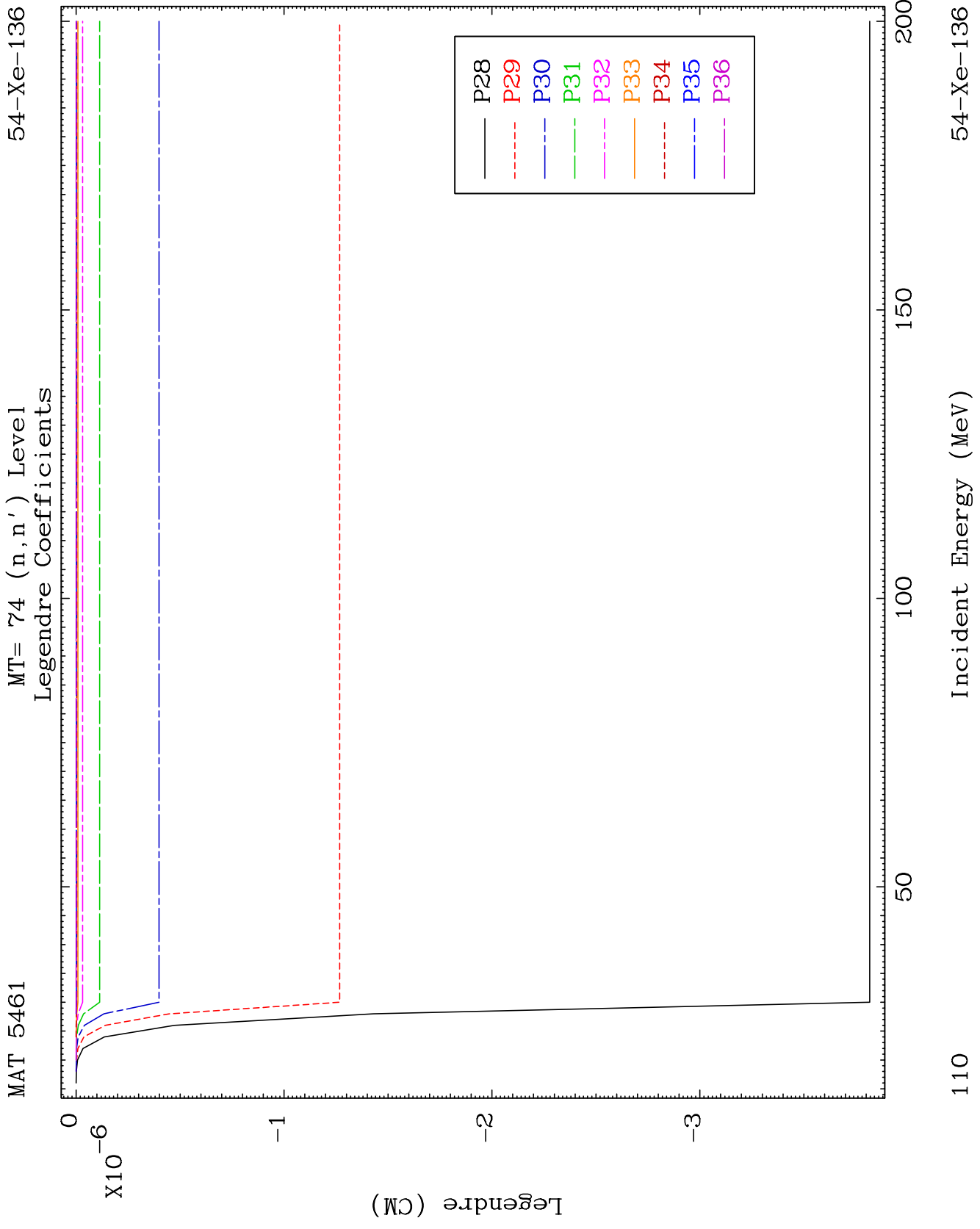
54-Xe-136



109

Incident Energy (MeV)

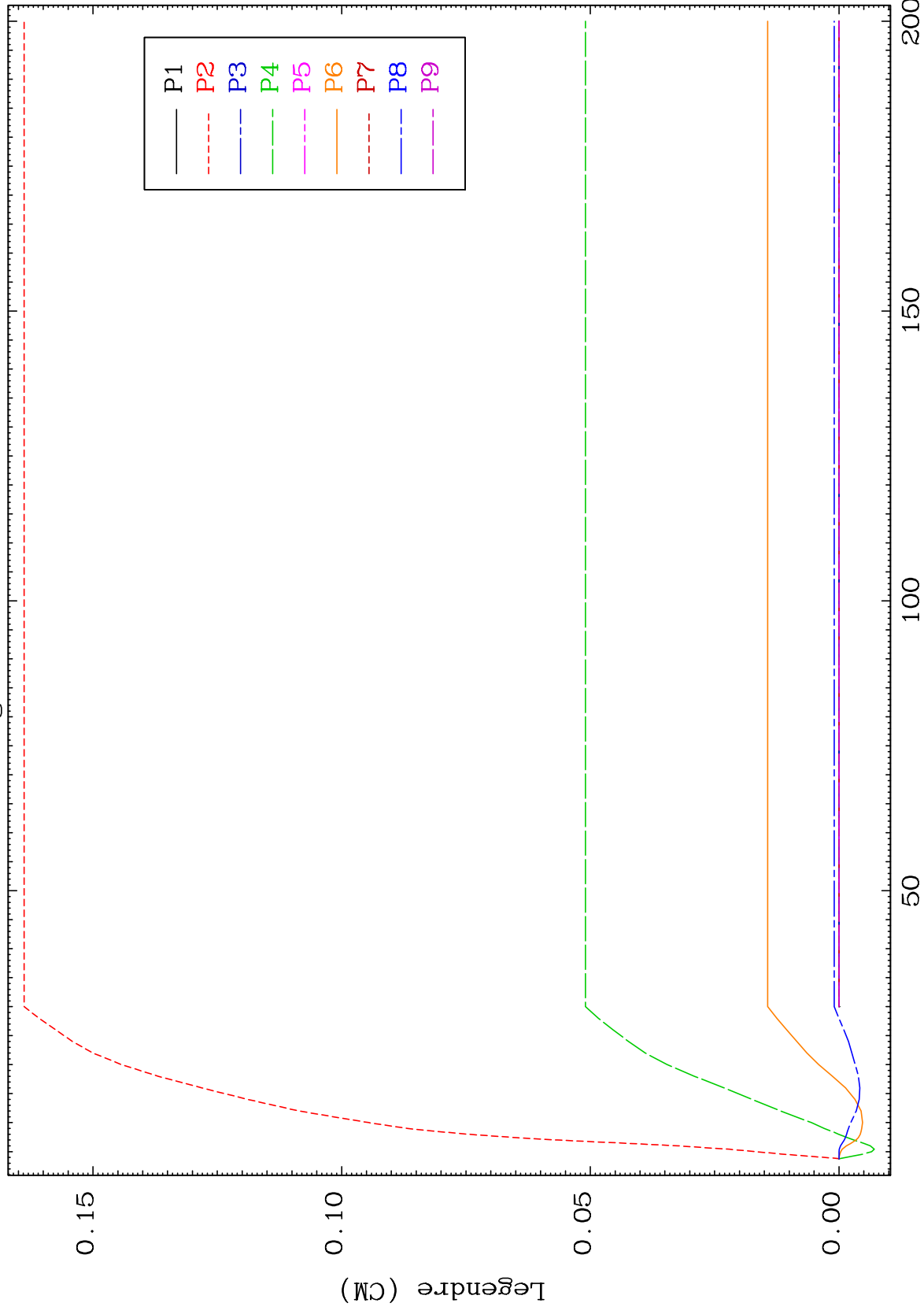
54-Xe-136



MAT 5461

MT= 75 (n,n') Level
Legendre Coefficients

54-Xe-136



111

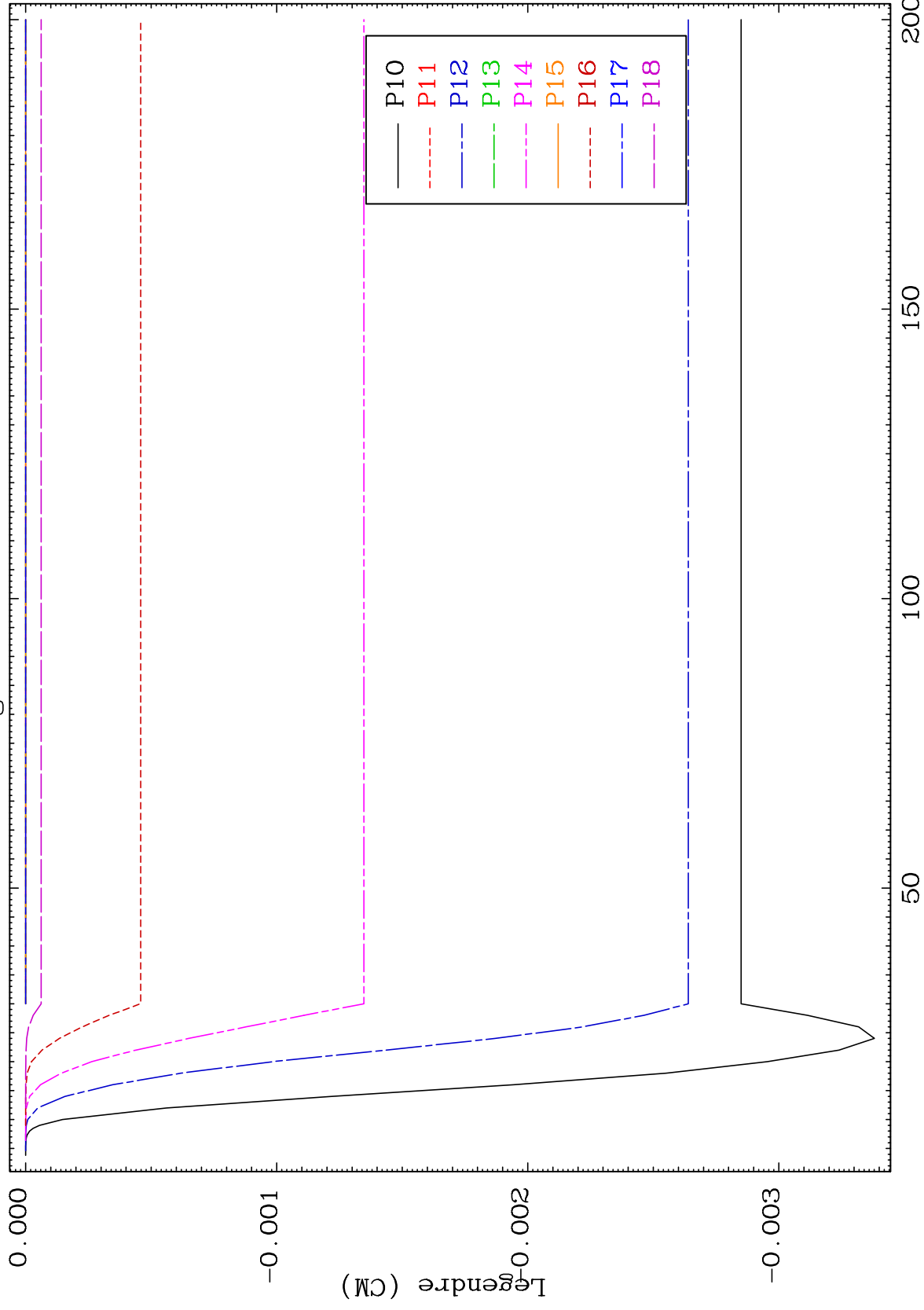
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 75 (n,n') Level
Legendre Coefficients

54-Xe-136



112

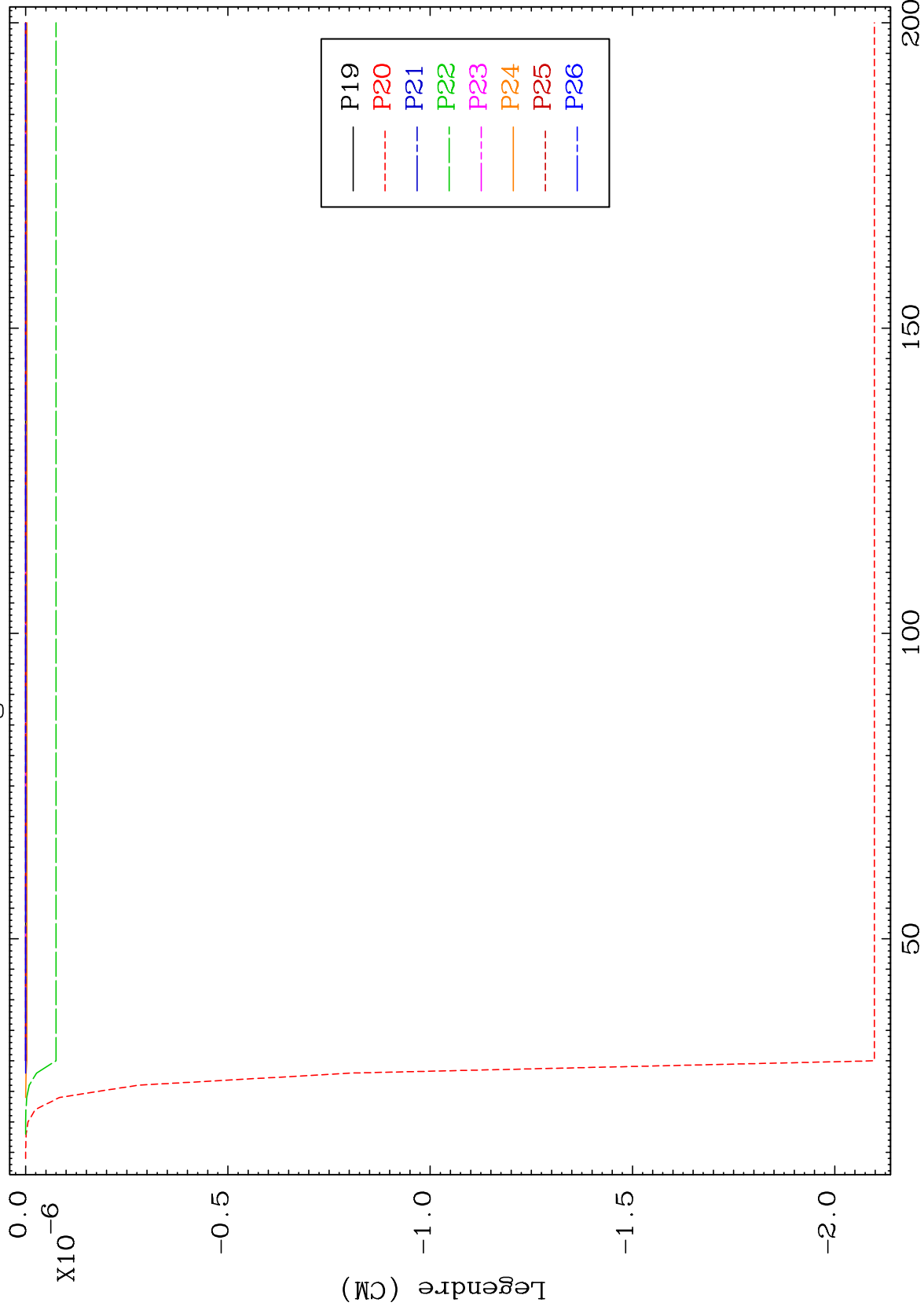
Incident Energy (MeV)

54-Xe-136

MAT 5461

MT= 75 (n,n') Level
Legendre Coefficients

54-Xe-136

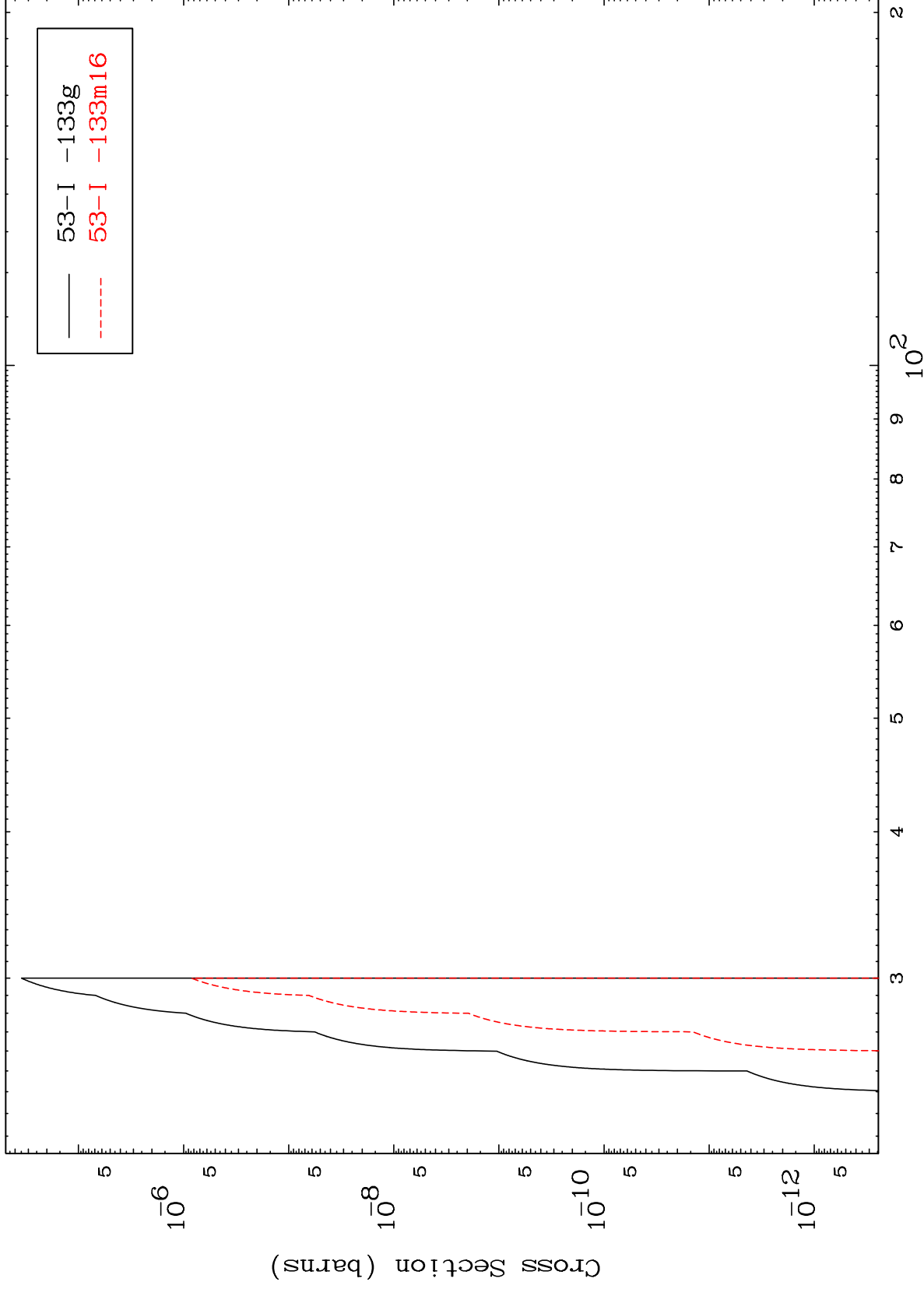


54-Xe-136

Incident Energy (MeV)

113

Radionuclide Production Cross Section



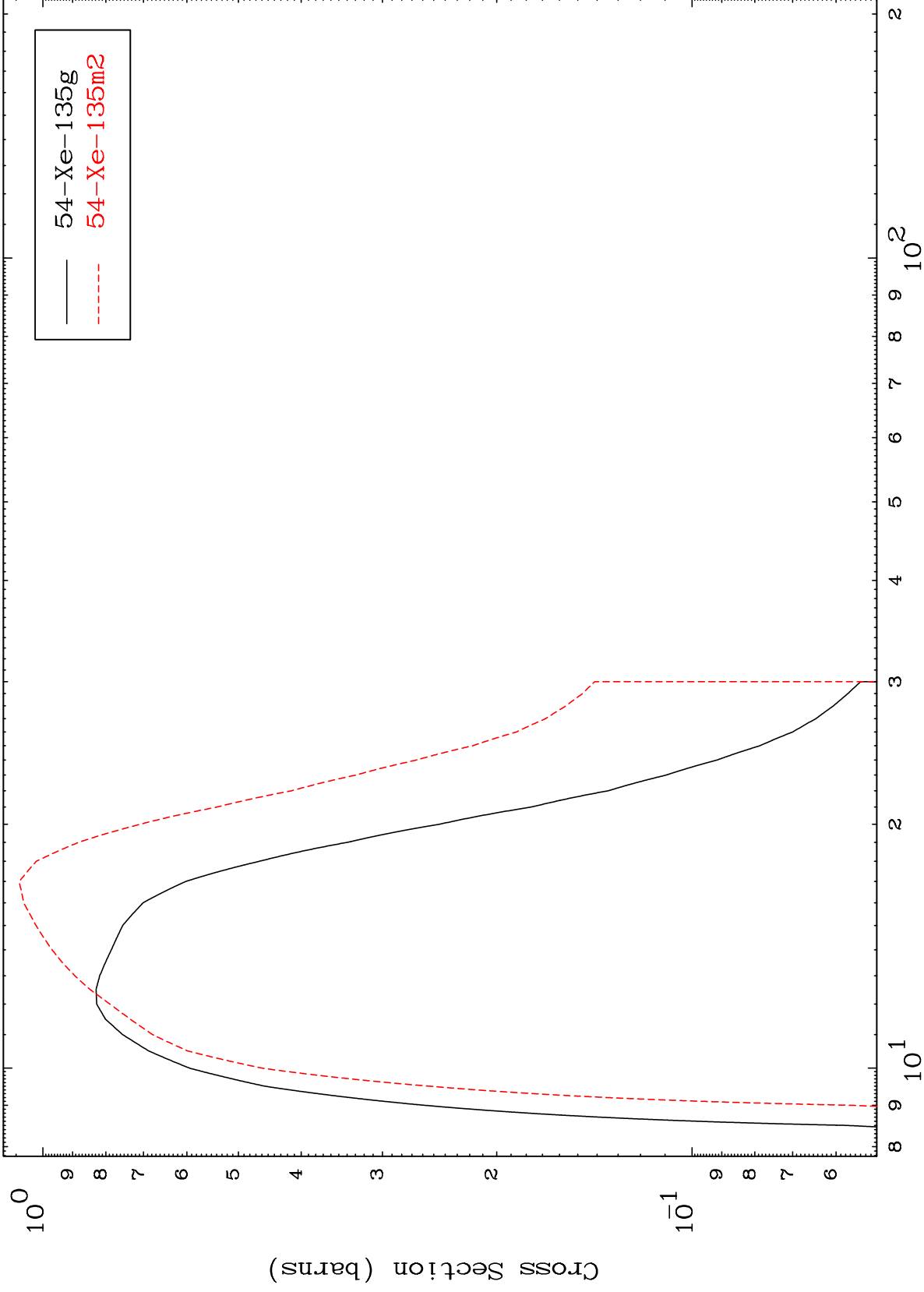
53-I -133g
53-I -133m16

MAT 5461

(n,2n)

54-Xe-136

Radionuclide Production Cross Section

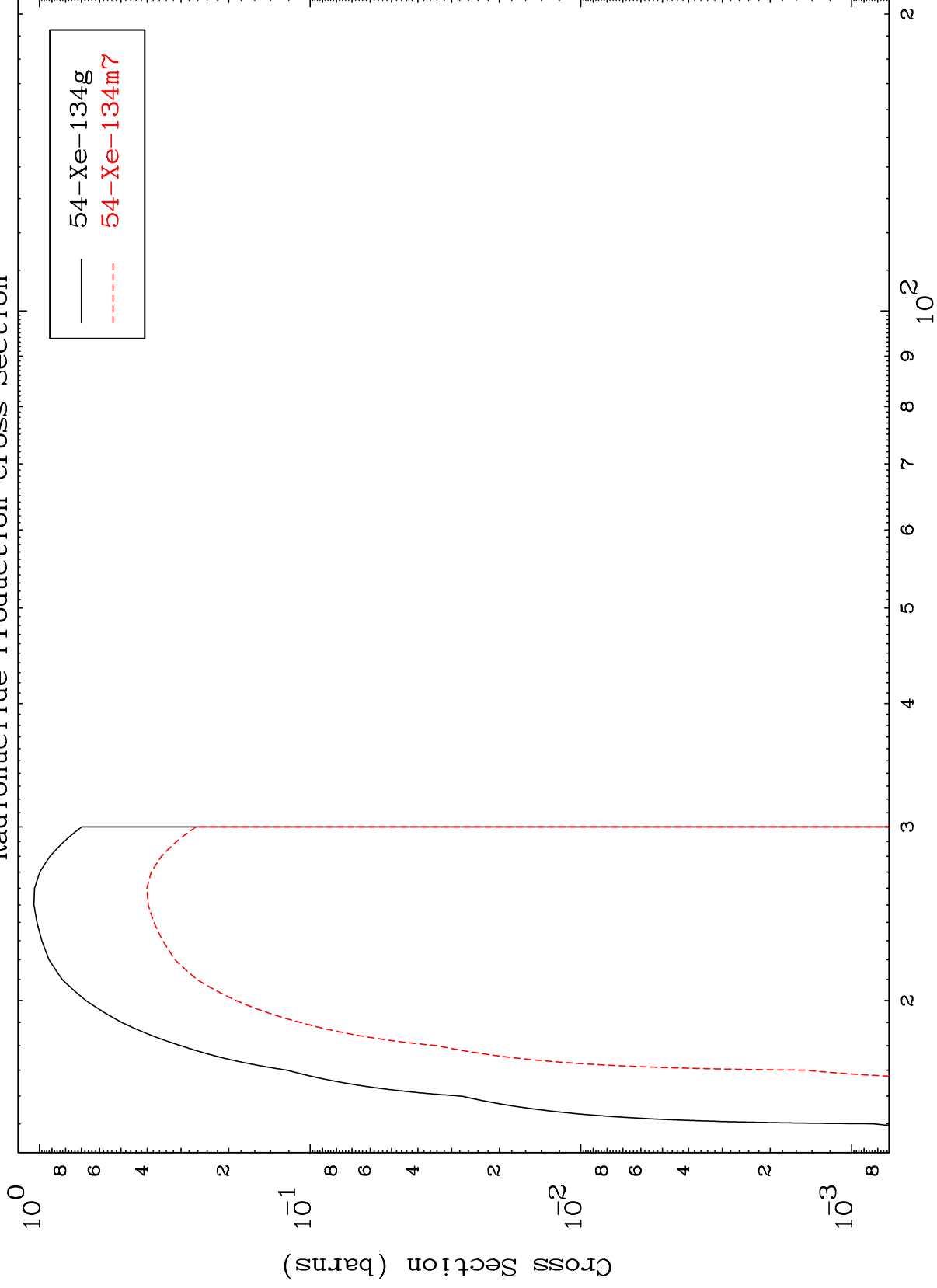


115

Incident Energy (MeV)

54-Xe-136

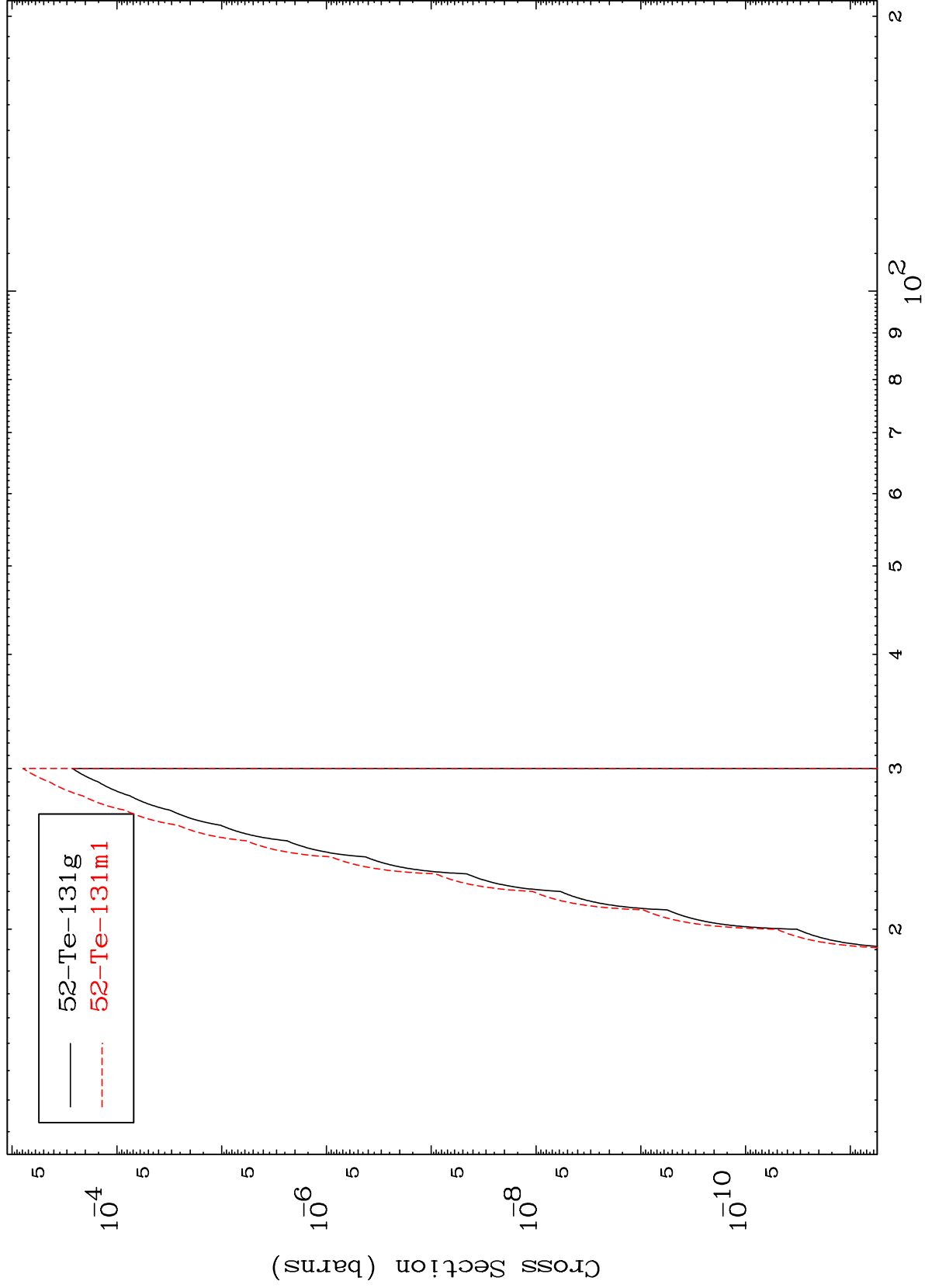
Radionuclide Production Cross Section



MAT 5461

54-Xe-136

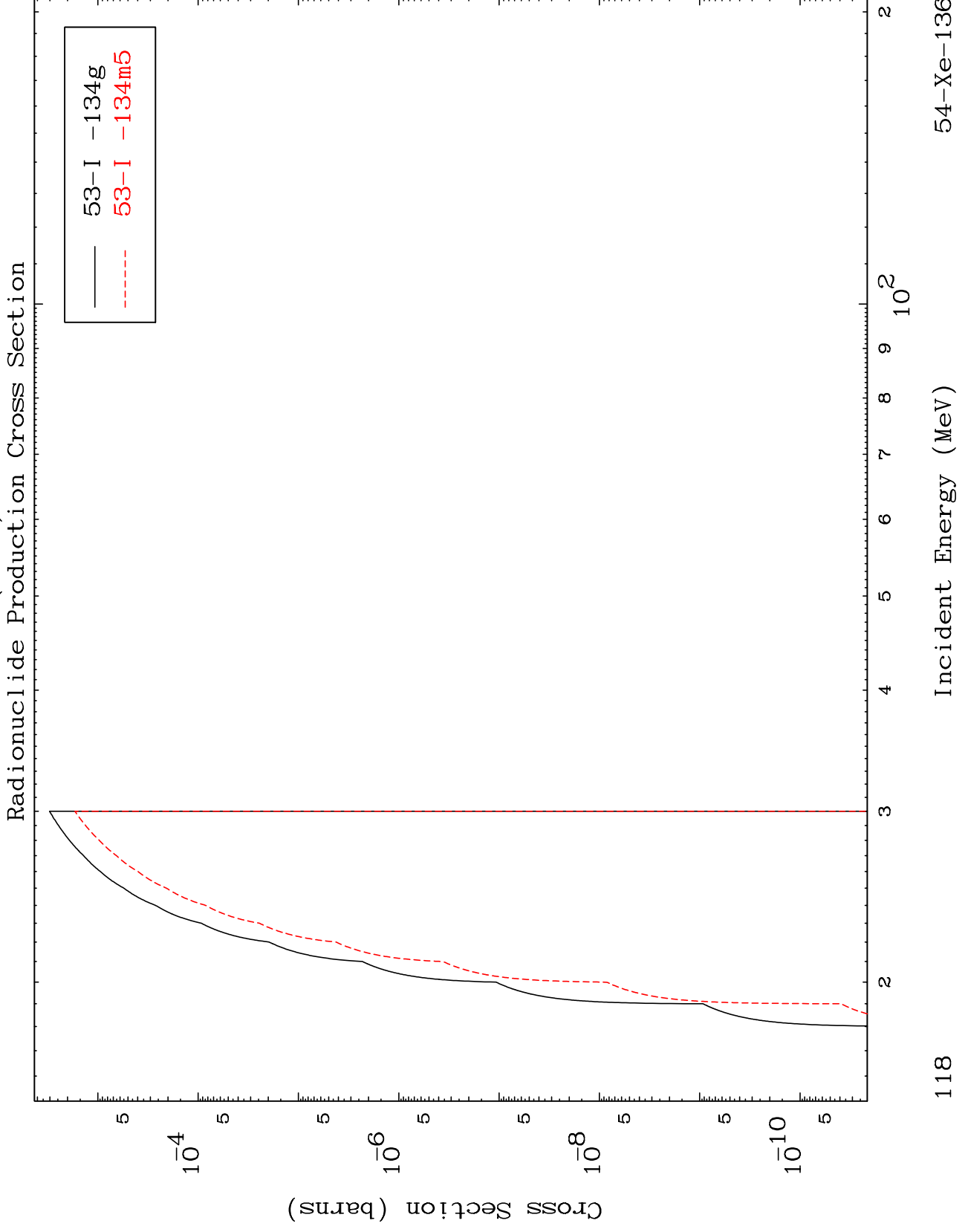
(n,2n) α
Radionuclide Production Cross Section



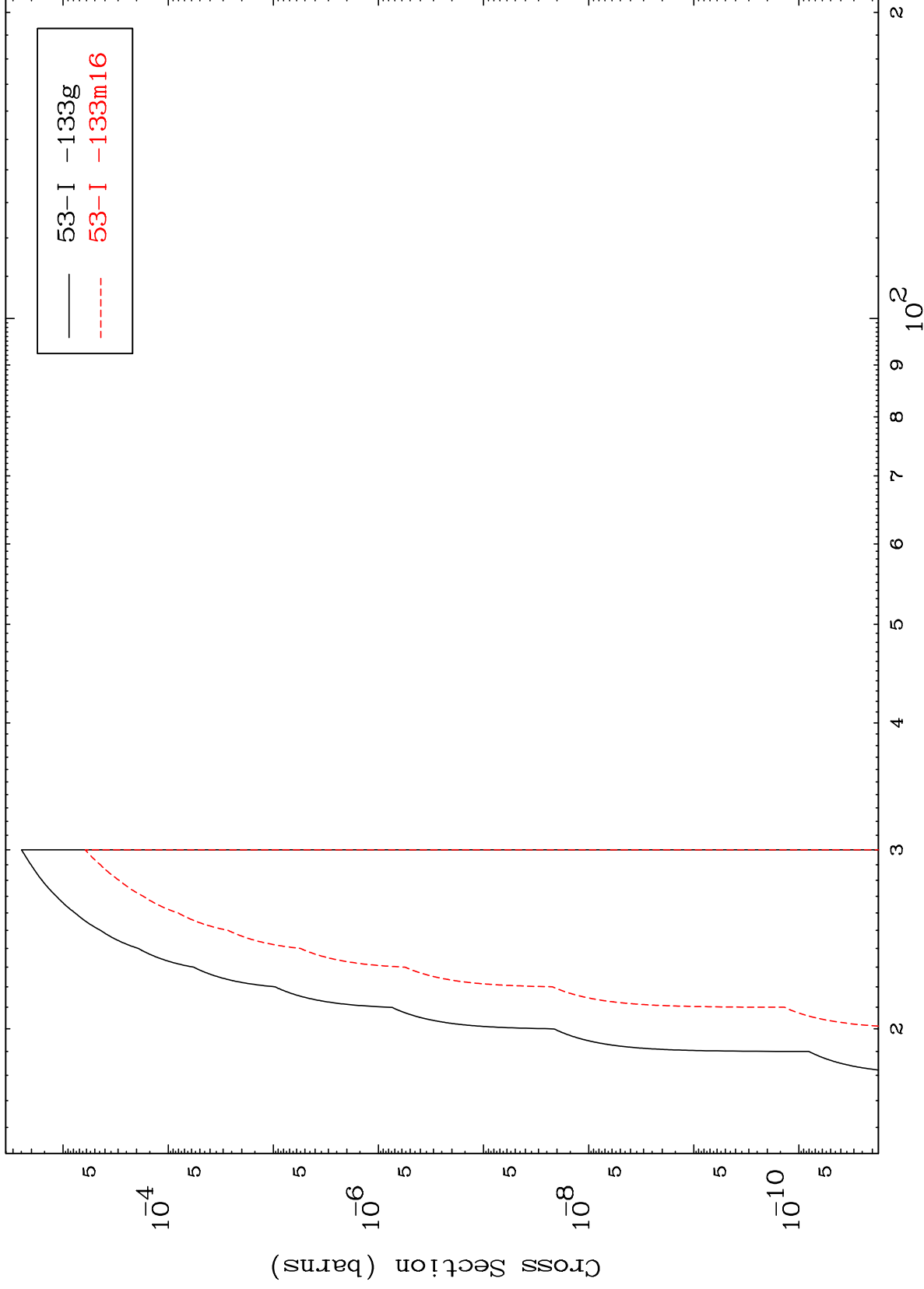
Incident Energy (MeV)

54-Xe-136

117



Radionuclide Production Cross Section

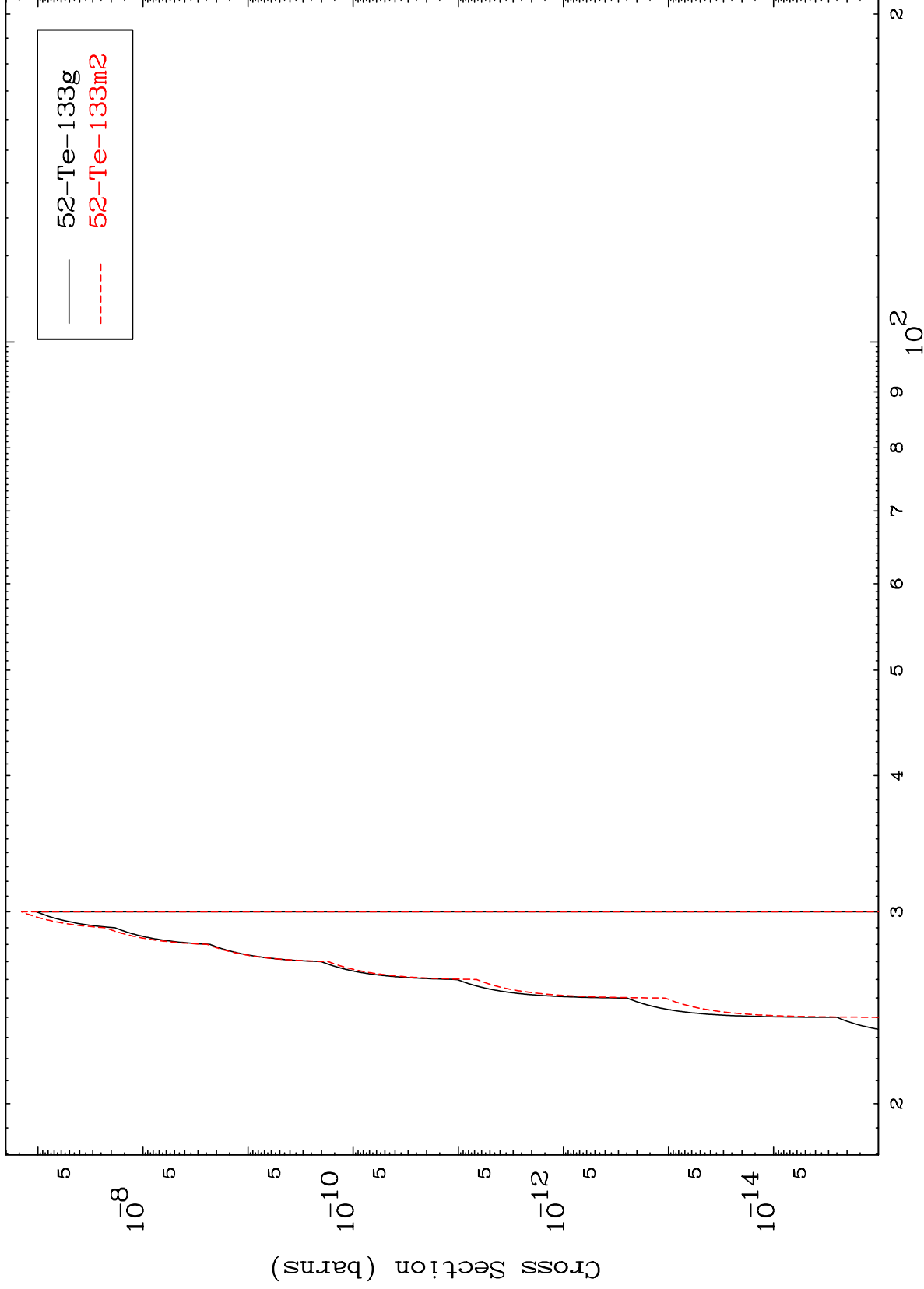


MAT 5461

(n,n') He-3

54-Xe-136

Radionuclide Production Cross Section



120

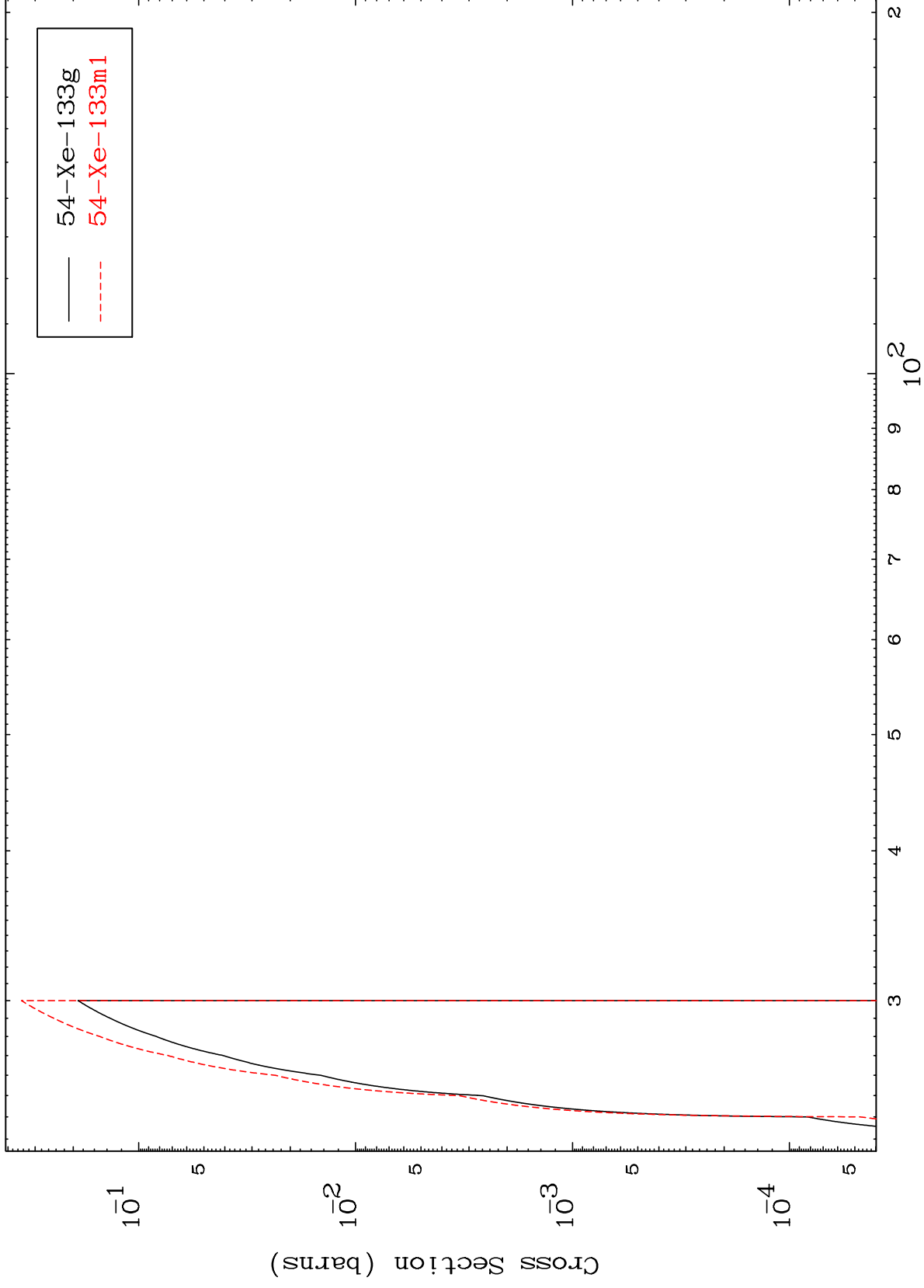
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

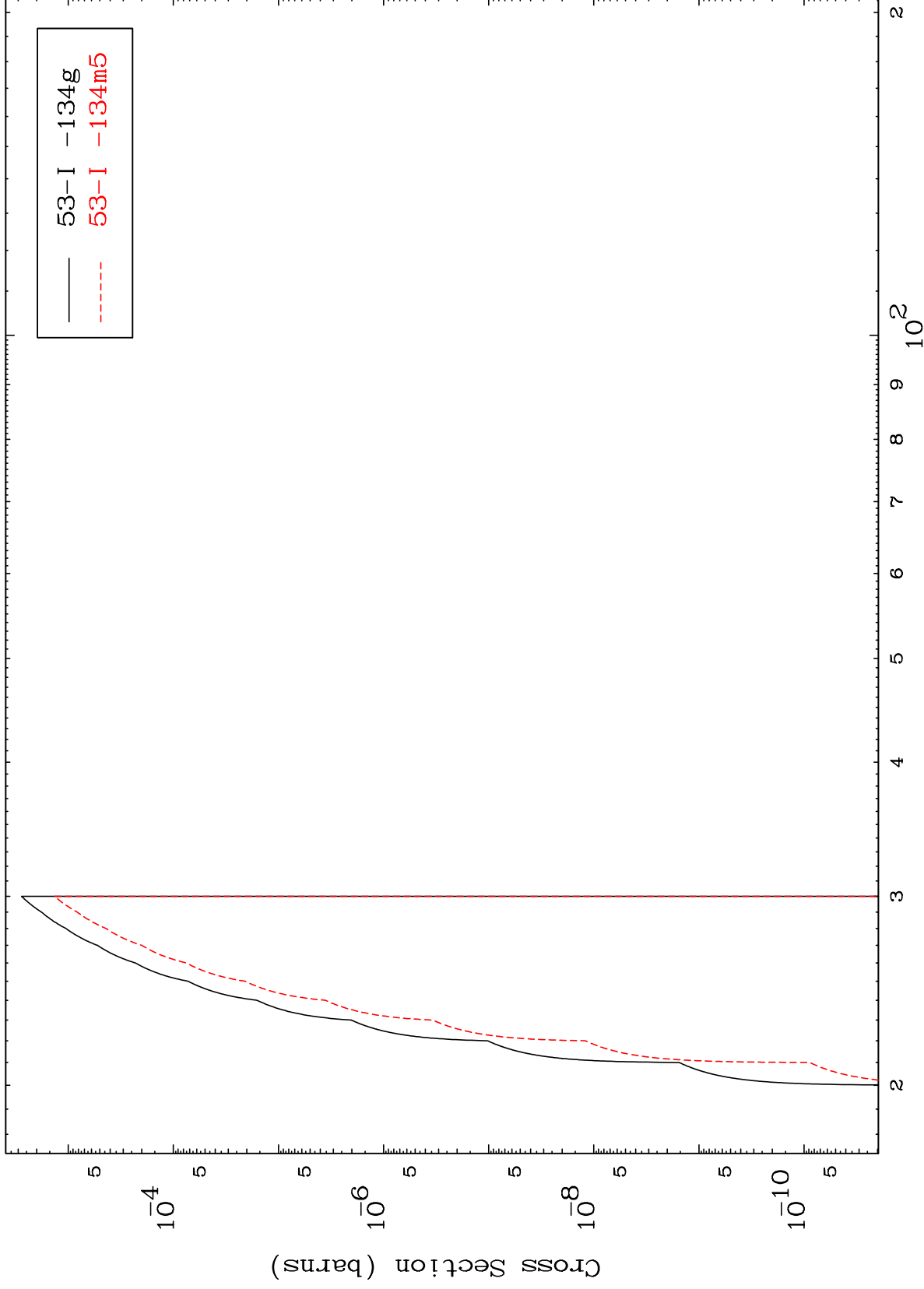
(n,4n)
Radionuclide Production Cross Section



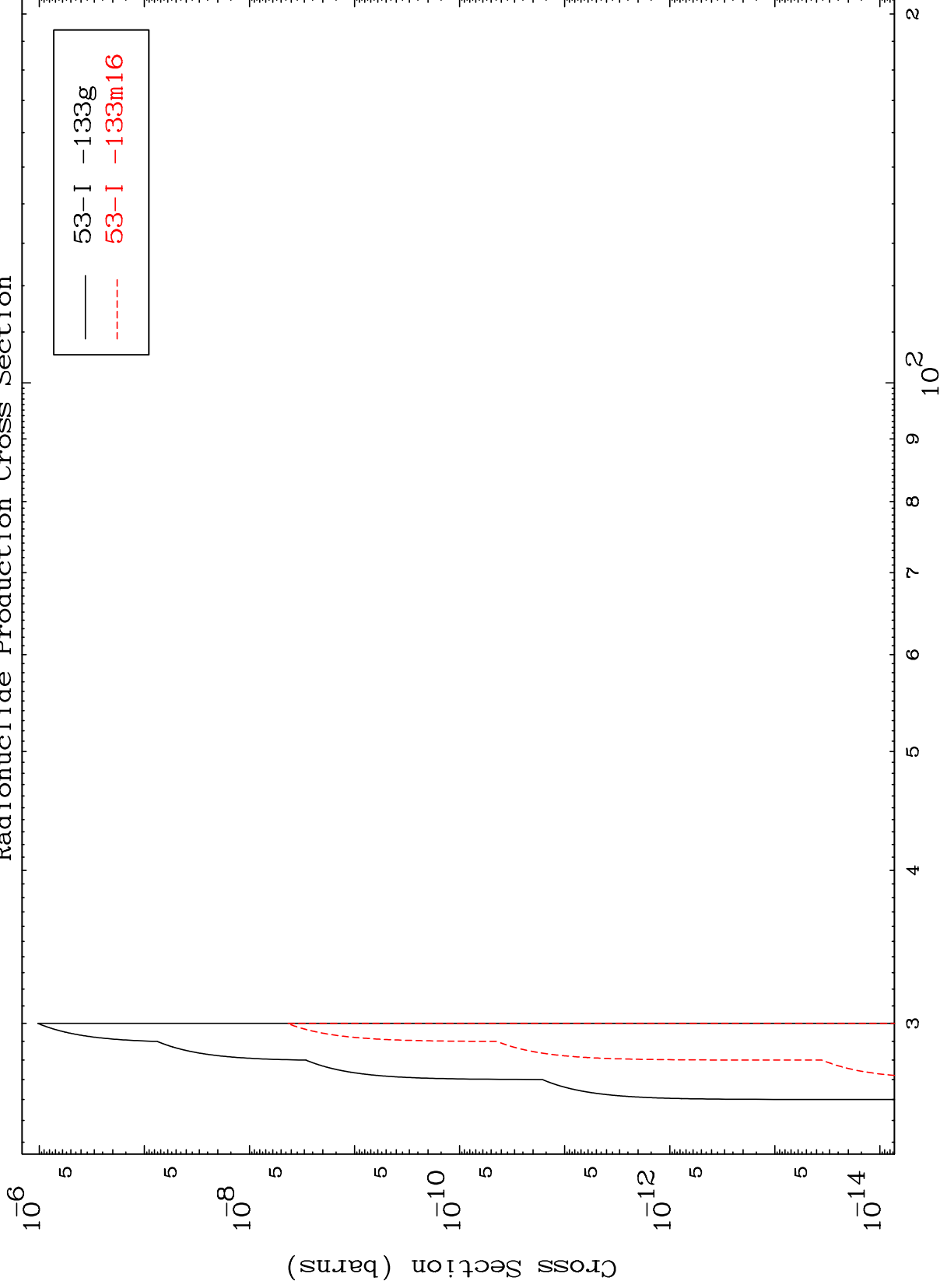
121

54-Xe-136

Radionuclide Production Cross Section



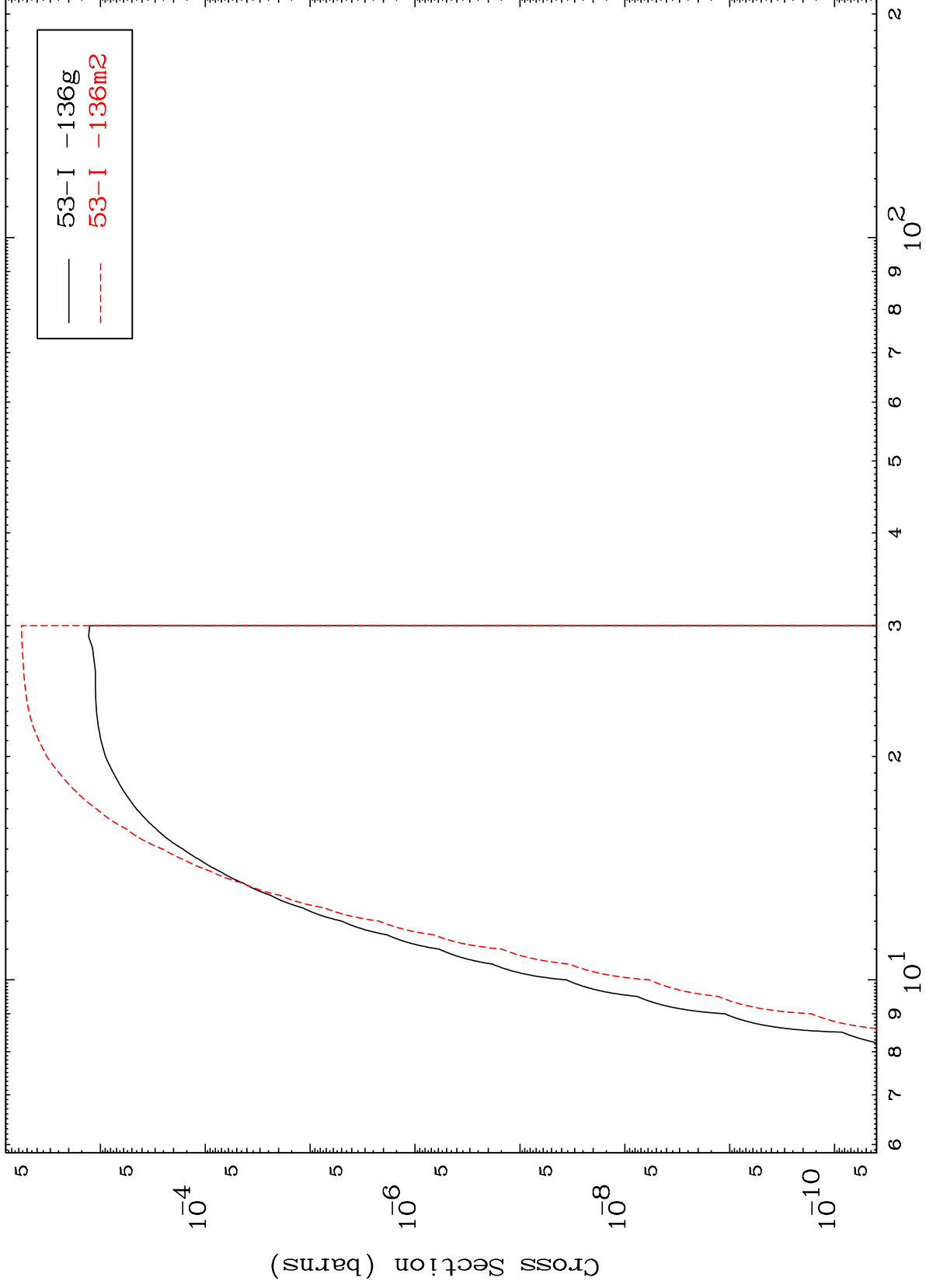
Radionuclide Production Cross Section



MAT 5461

54-Xe-136

(n,p)
Radionuclide Production Cross Section



124

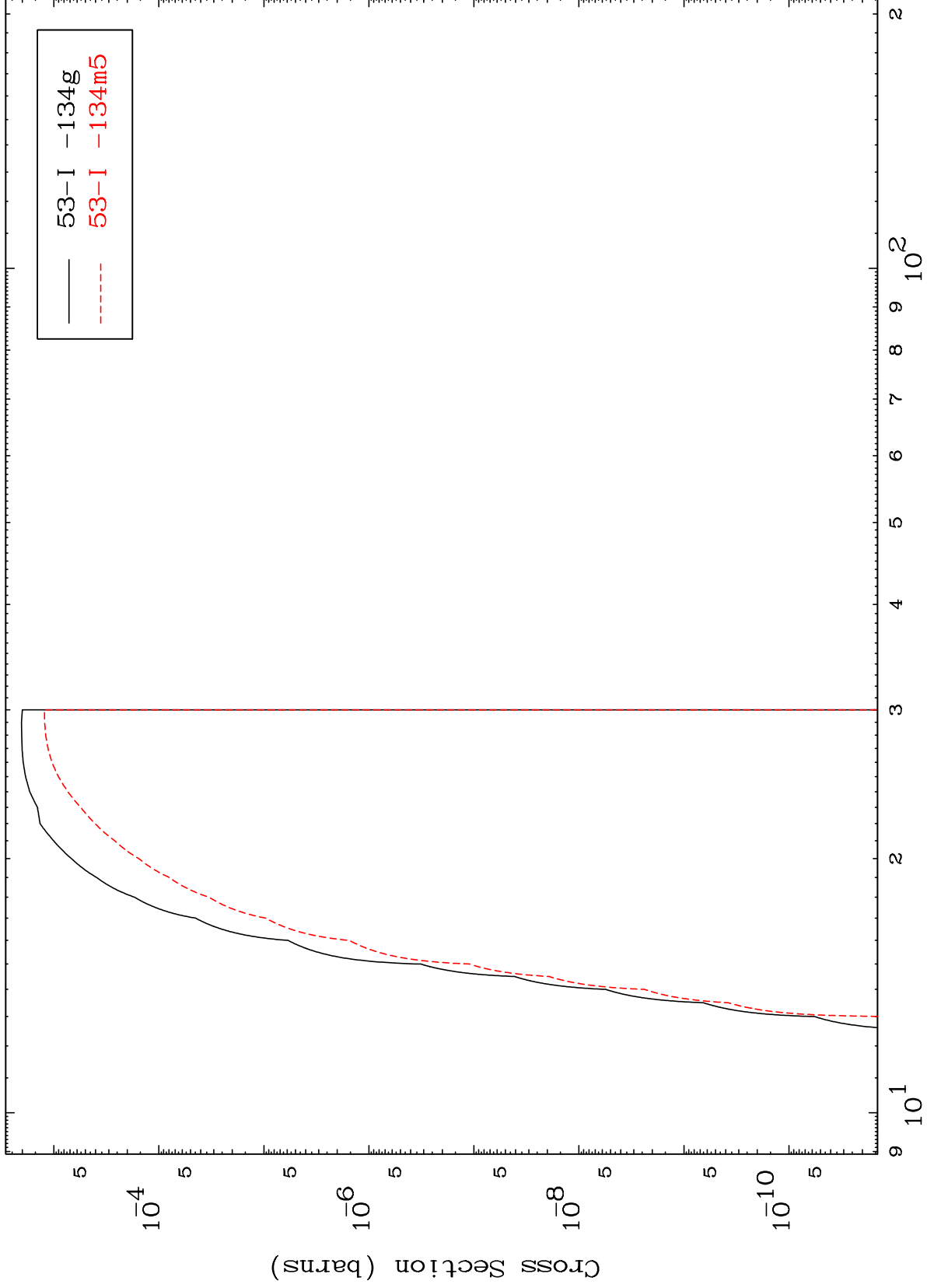
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(n,t)
Radionuclide Production Cross Section



54-Xe-136

Incident Energy (MeV)

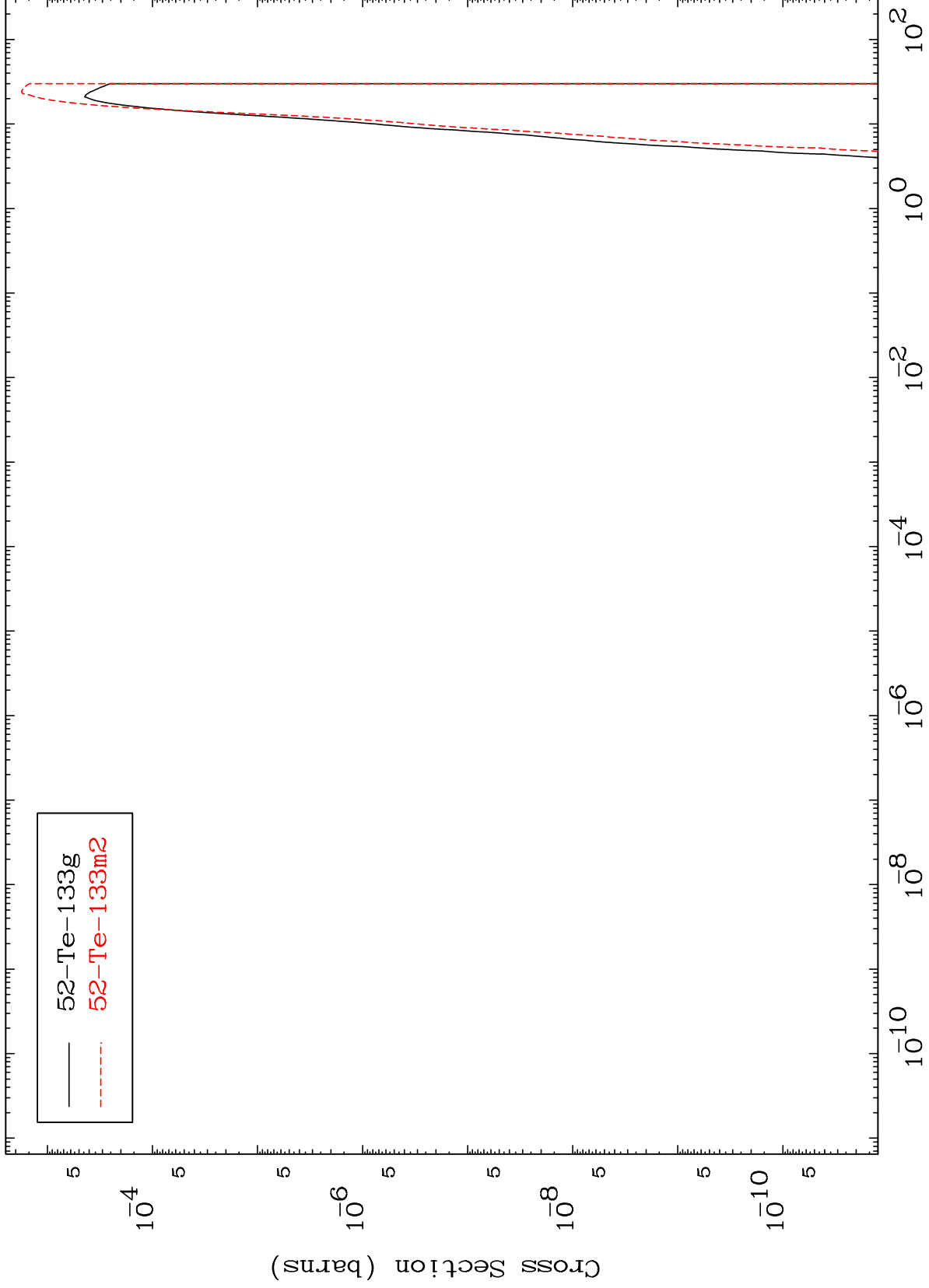
125

MAT 5461

(n, α)

54-Xe-136

Radionuclide Production Cross Section



126

Incident Energy (MeV)

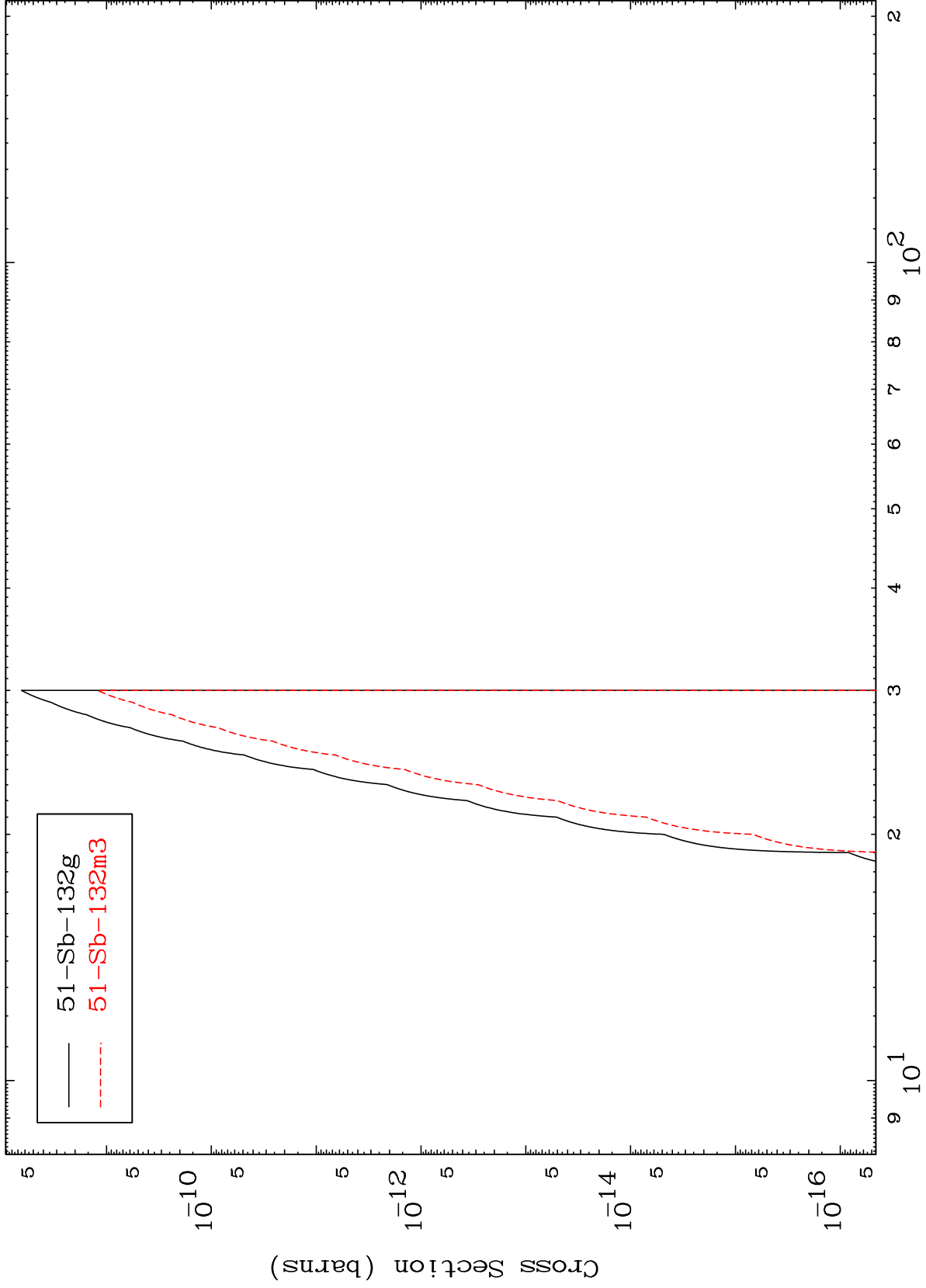
54-Xe-136

MAT 5461

(n,p) α

54-Xe-136

Radionuclide Production Cross Section



127

Incident Energy (MeV)

54-Xe-136