

Program EVALPLOT
(Version 2021-1)

by

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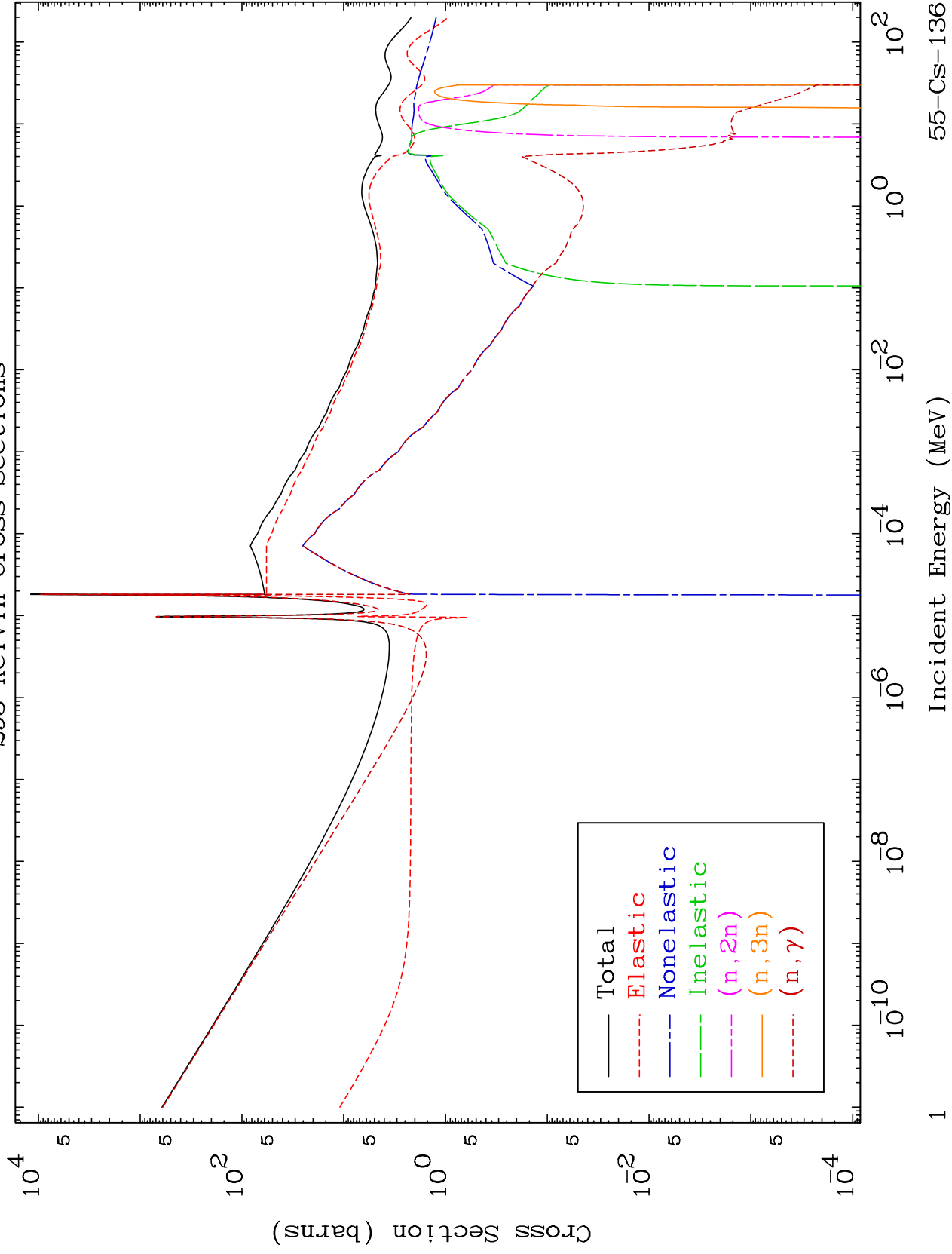
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5534

Neutron Major
293 Kelvin Cross Sections

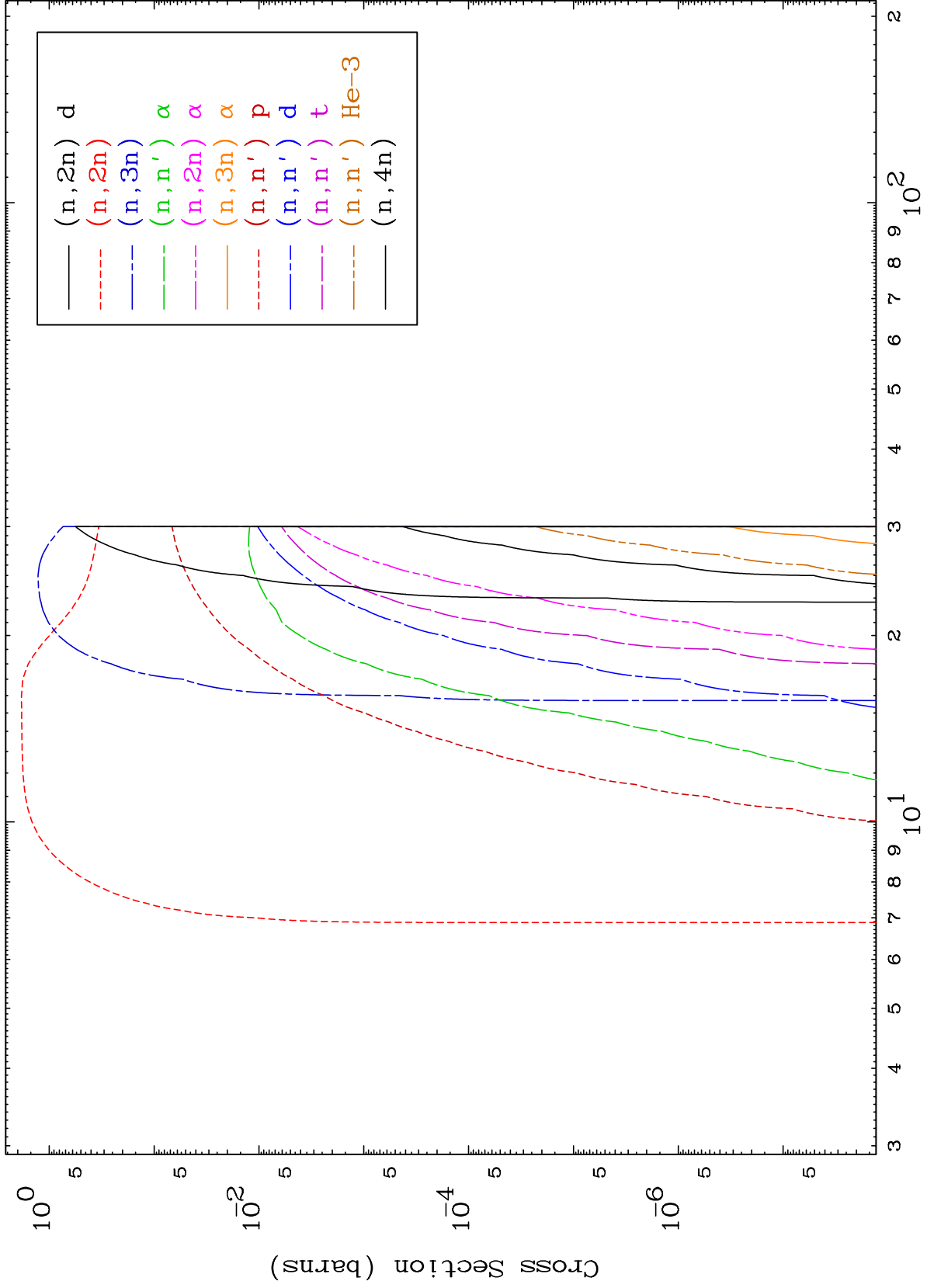
55-Cs-136



MAT 5534

Neutron Absorption
293 Kelvin Cross Sections

55-Cs-136



2

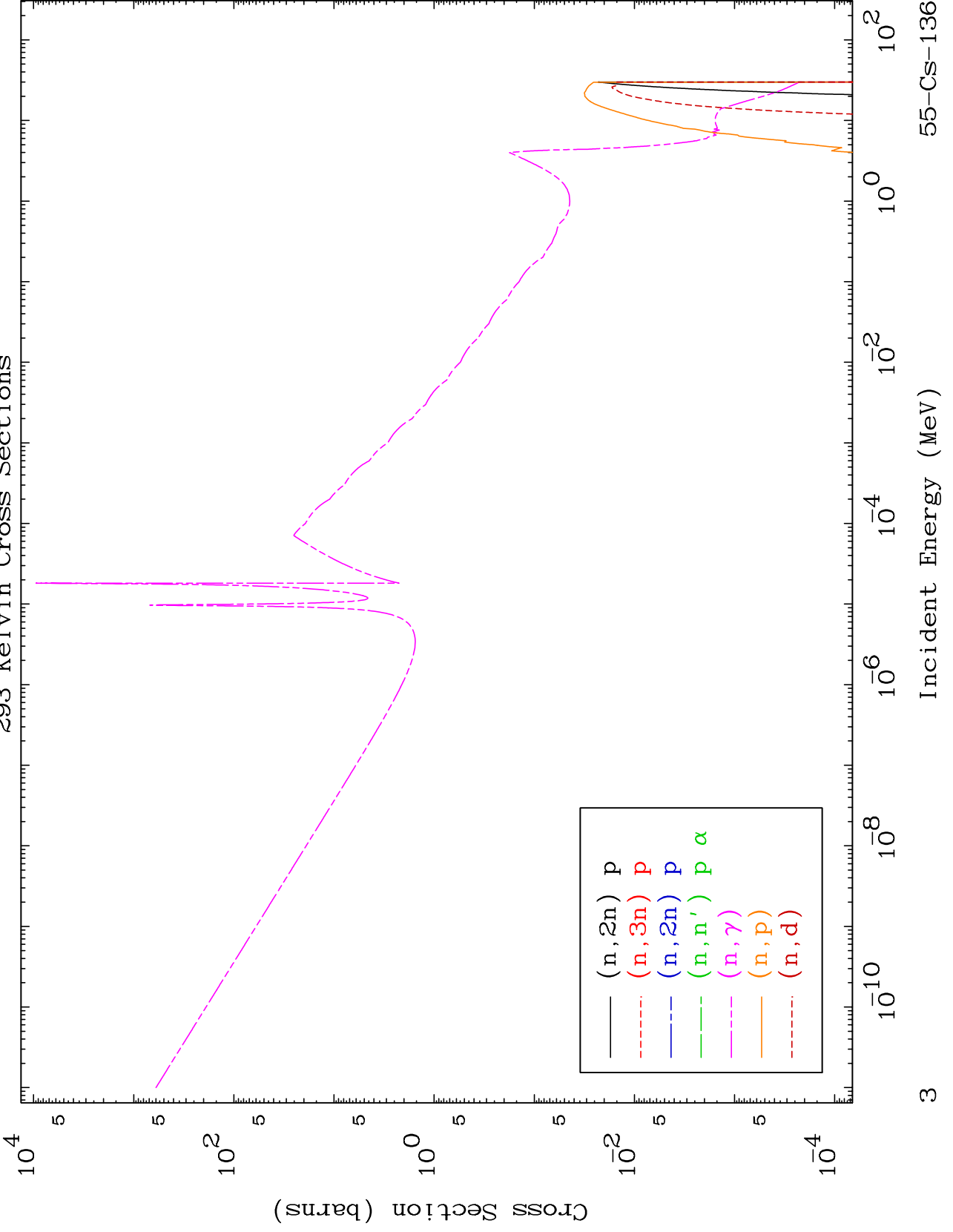
Incident Energy (MeV)

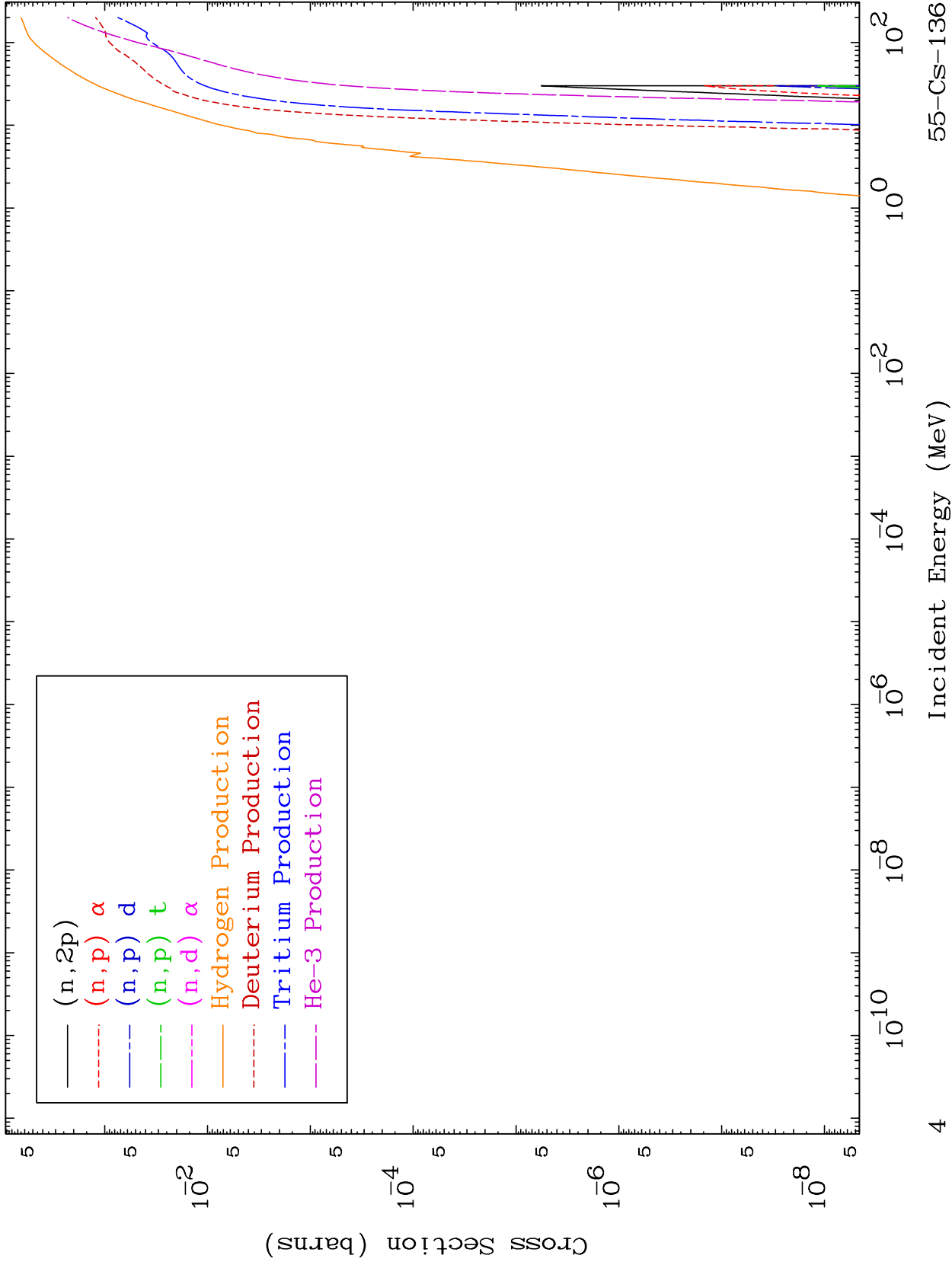
55-Cs-136

MAT 5534

Neutron Absorption
293 Kelvin Cross Sections

55-Cs-136

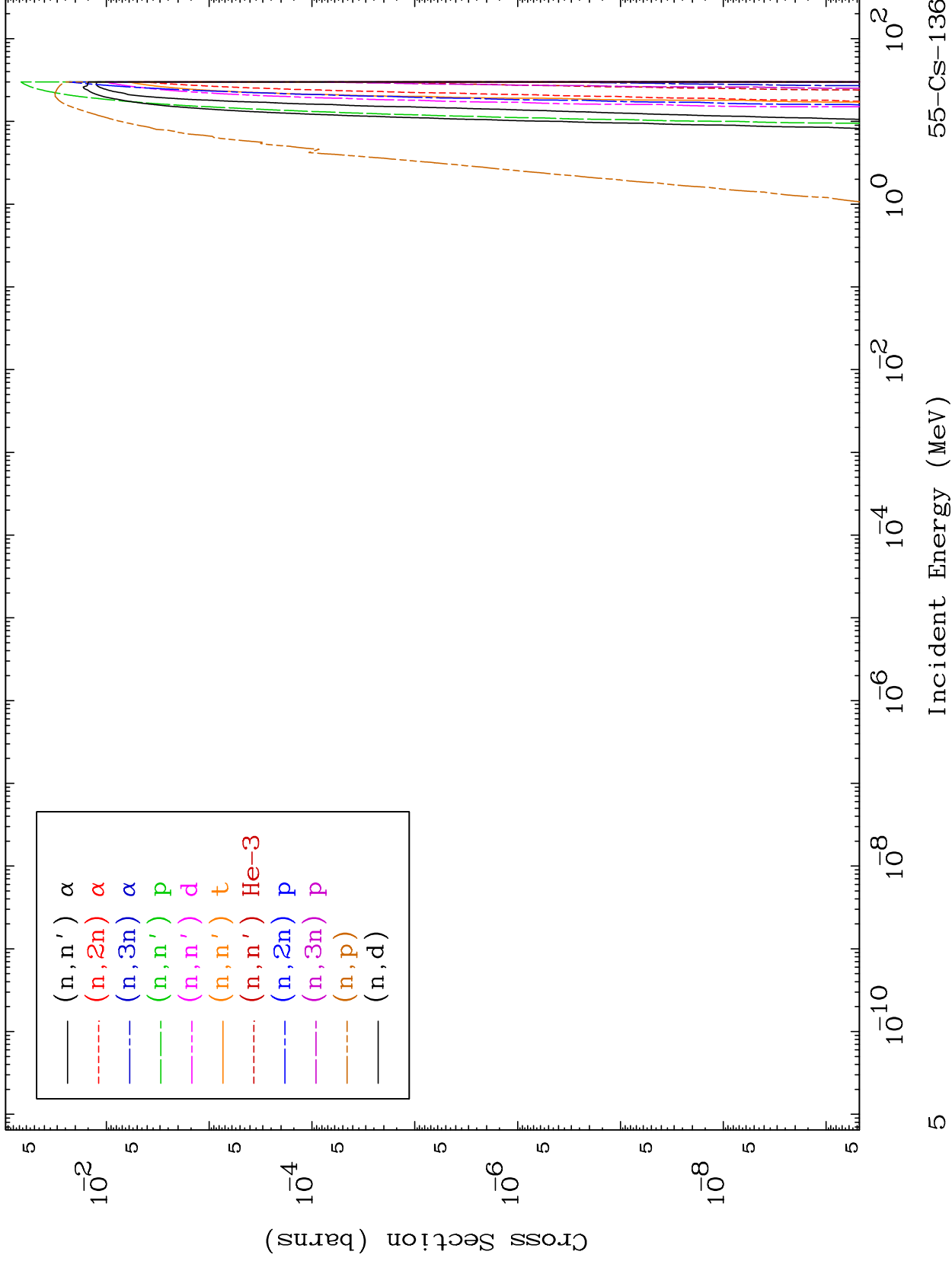




MAT 5534

Charged Particle
293 Kelvin Cross Sections

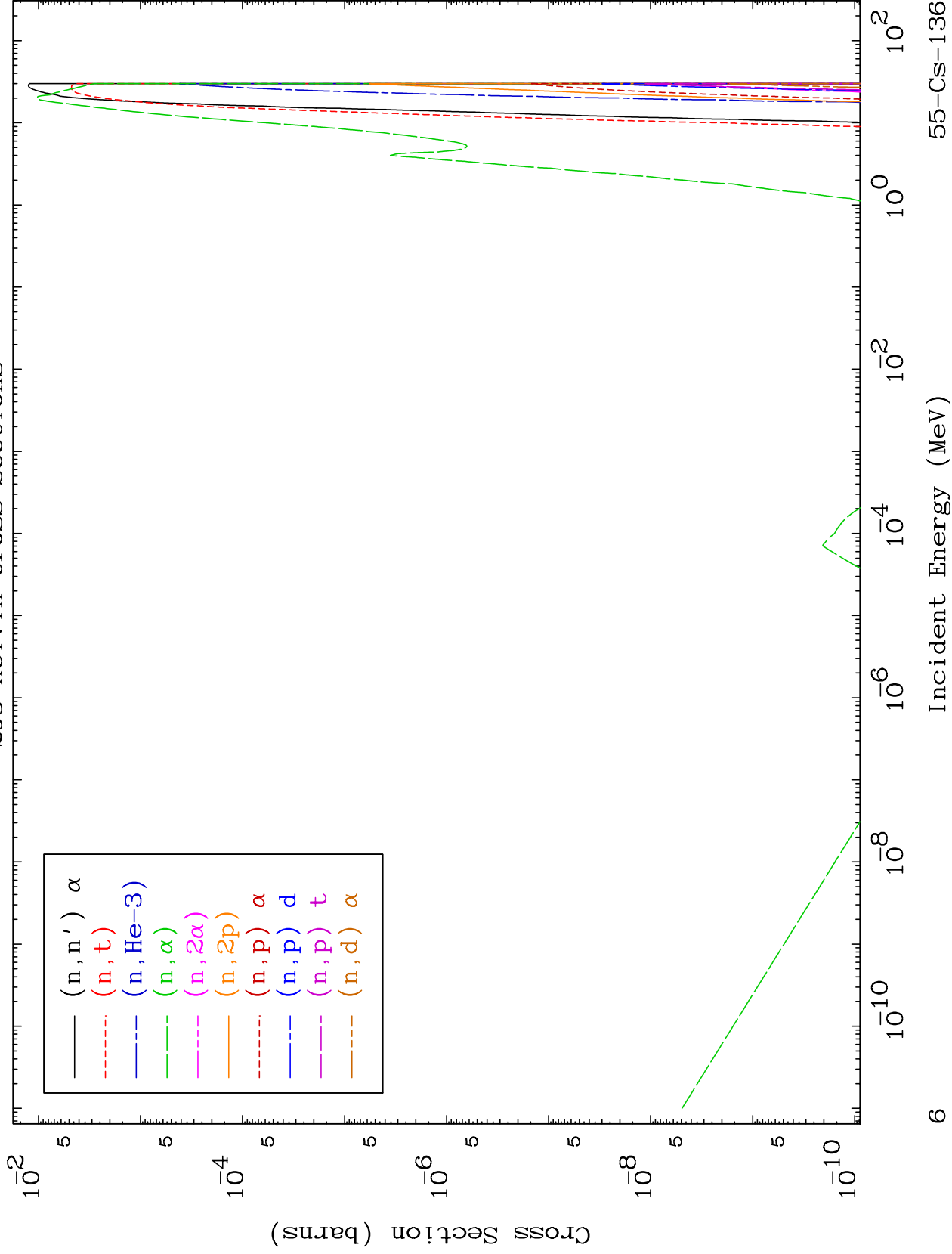
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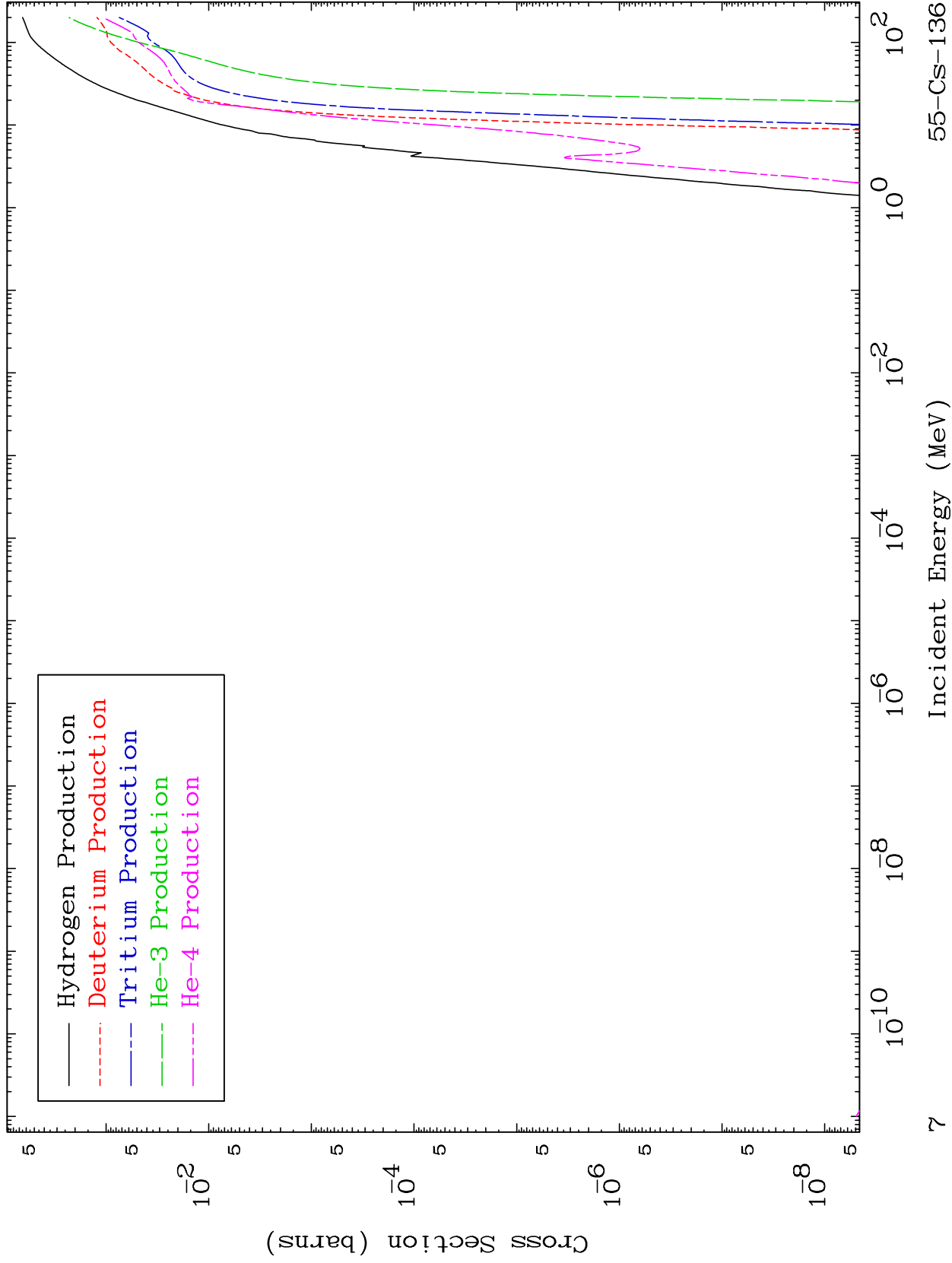


MAT 5534

Charged Particle
293 Kelvin Cross Sections

55-Cs-136



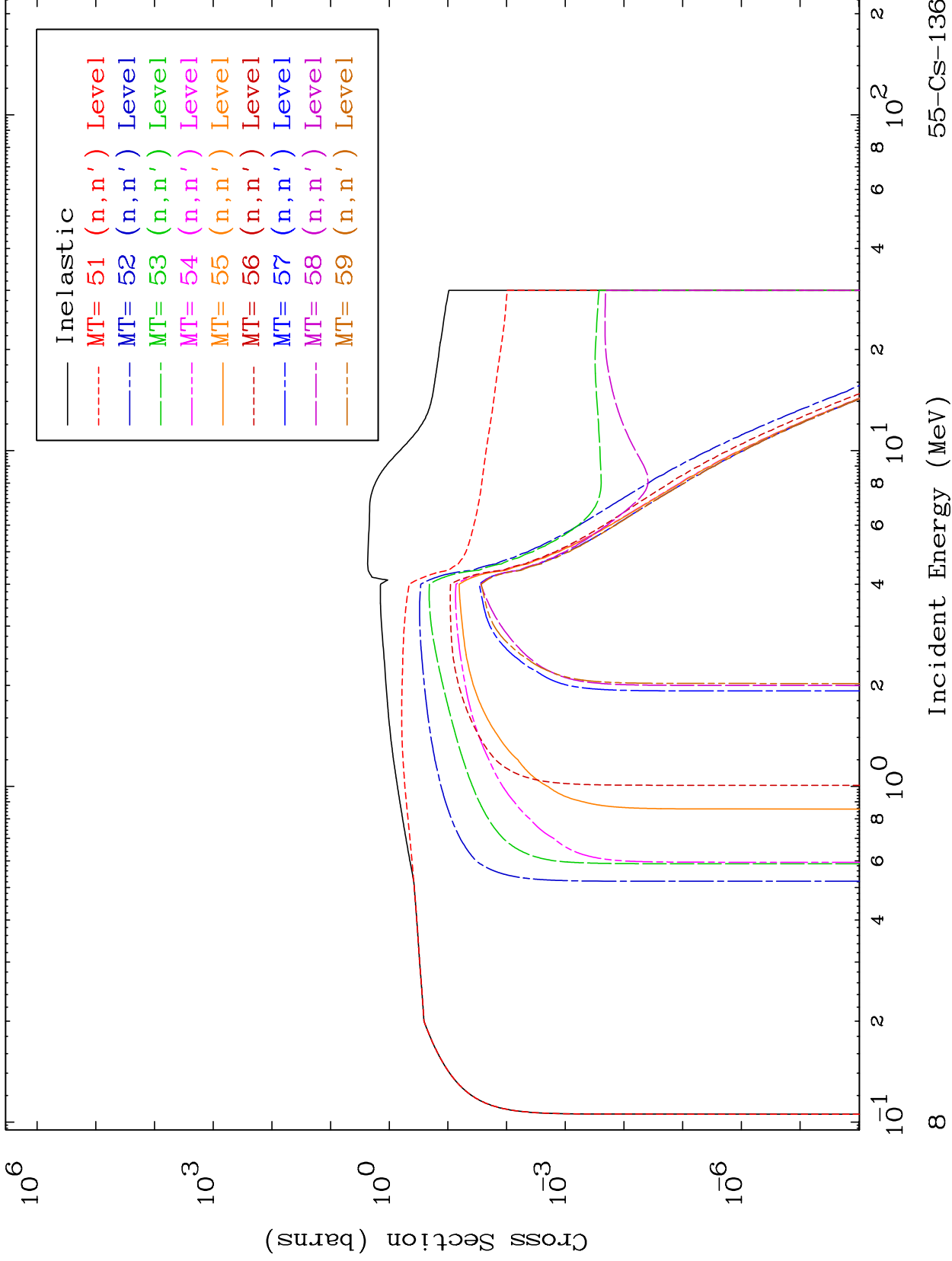


MAT 5534

(n,n') Levels

55-Cs-136

293 Kelvin Cross Sections



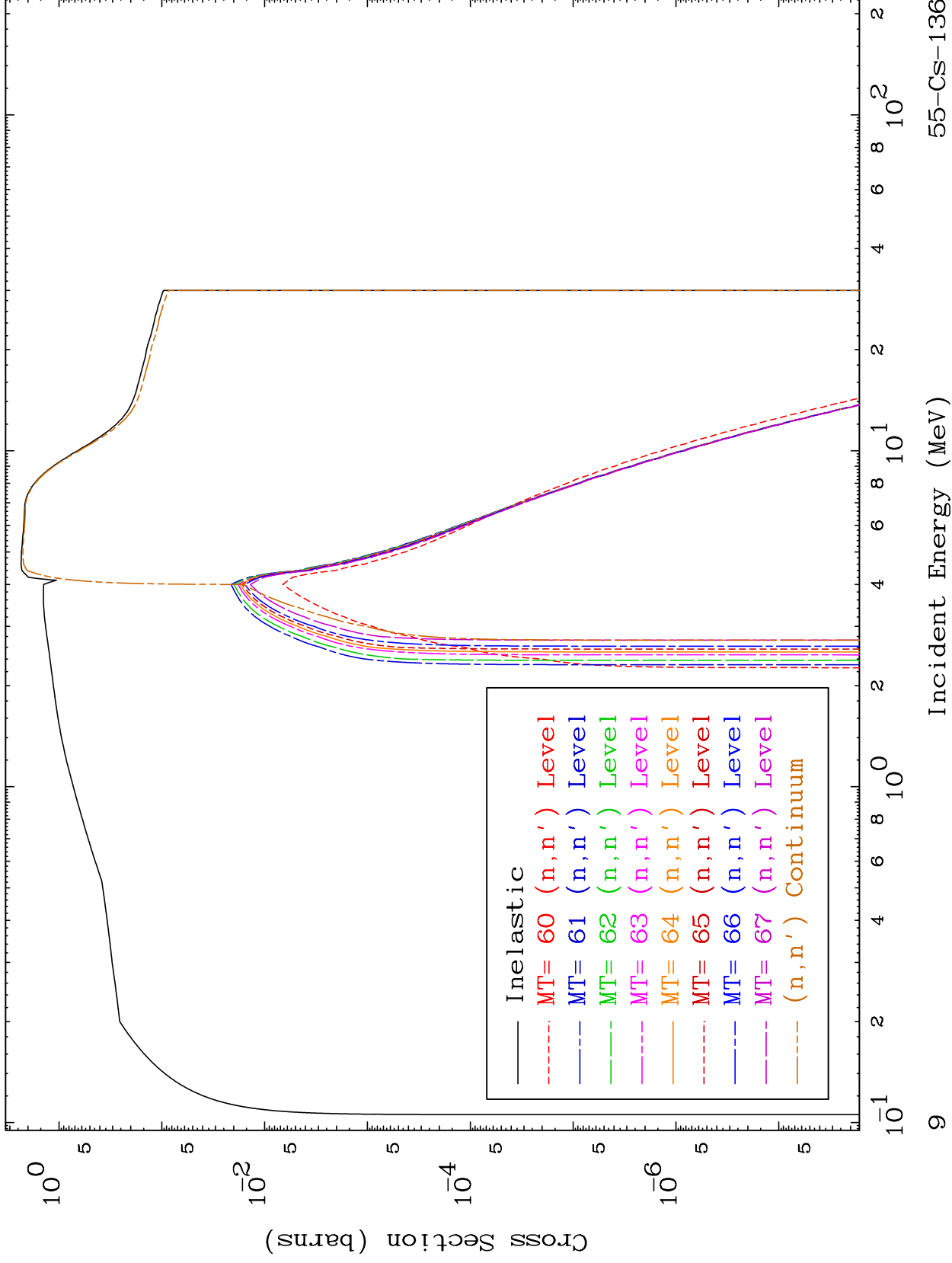
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,n') Levels
293 Kelvin Cross Sections

55-Cs-136



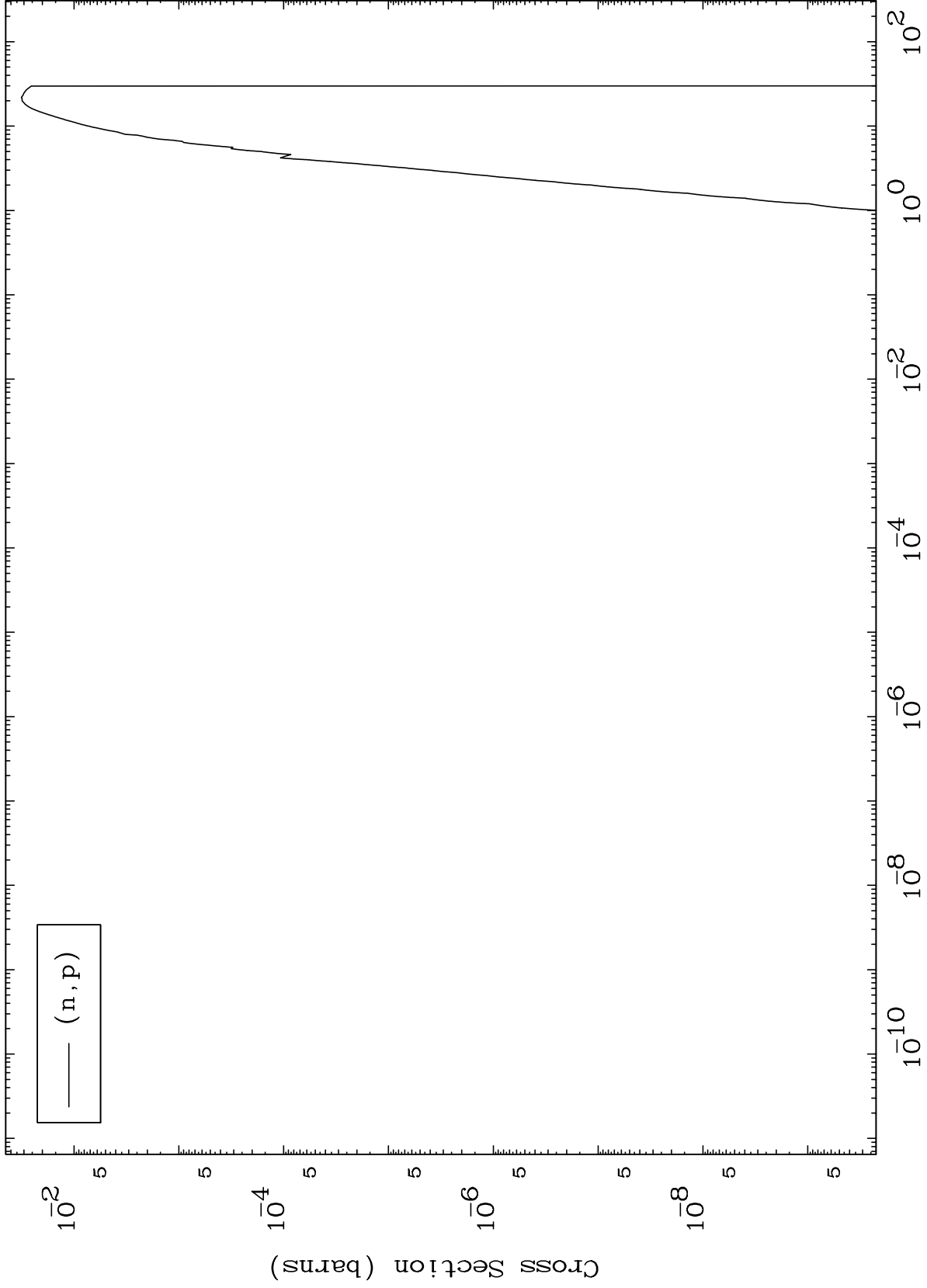
55-Cs-136

Incident Energy (MeV)

MAT 5534

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-136



10

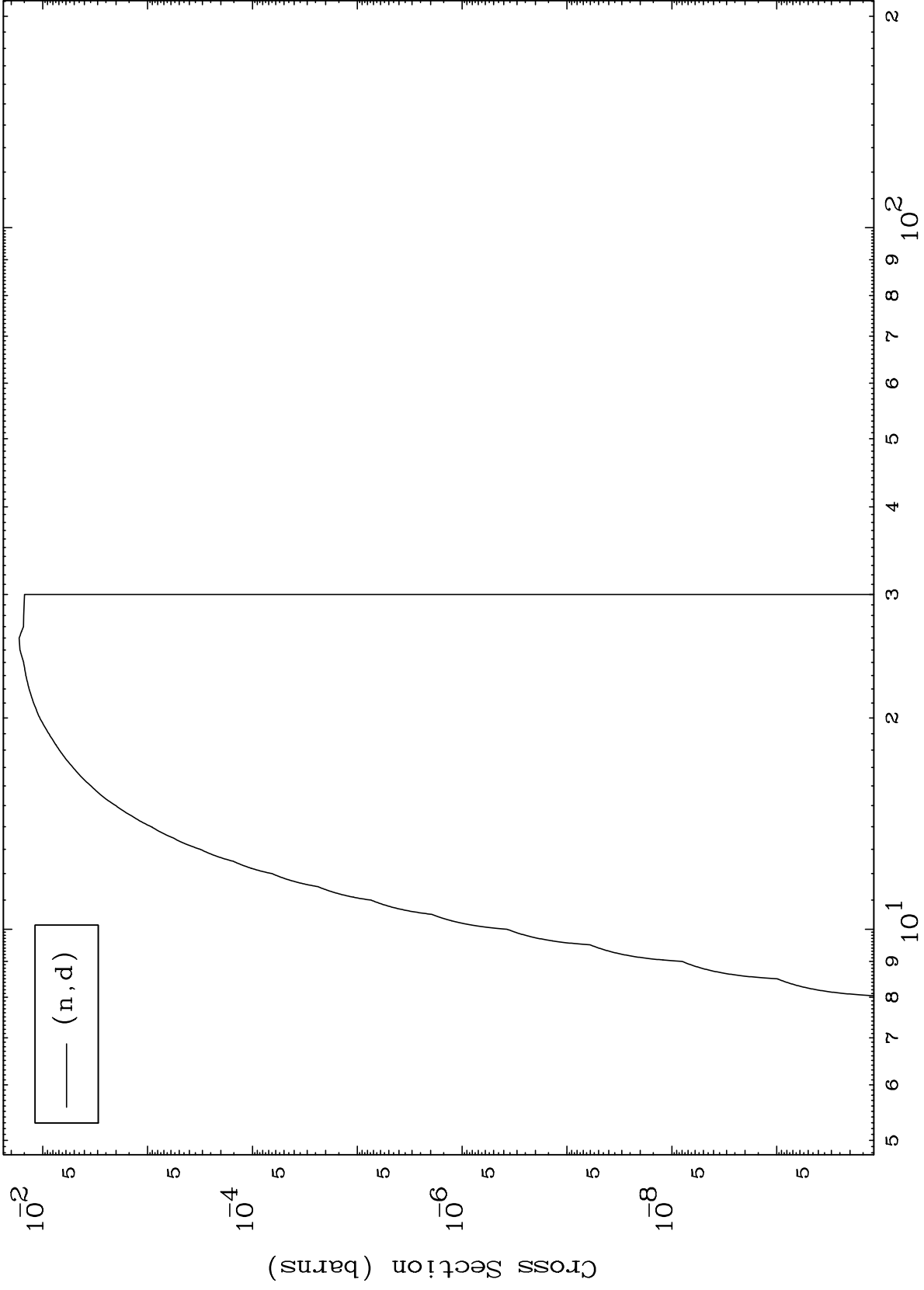
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-136



11

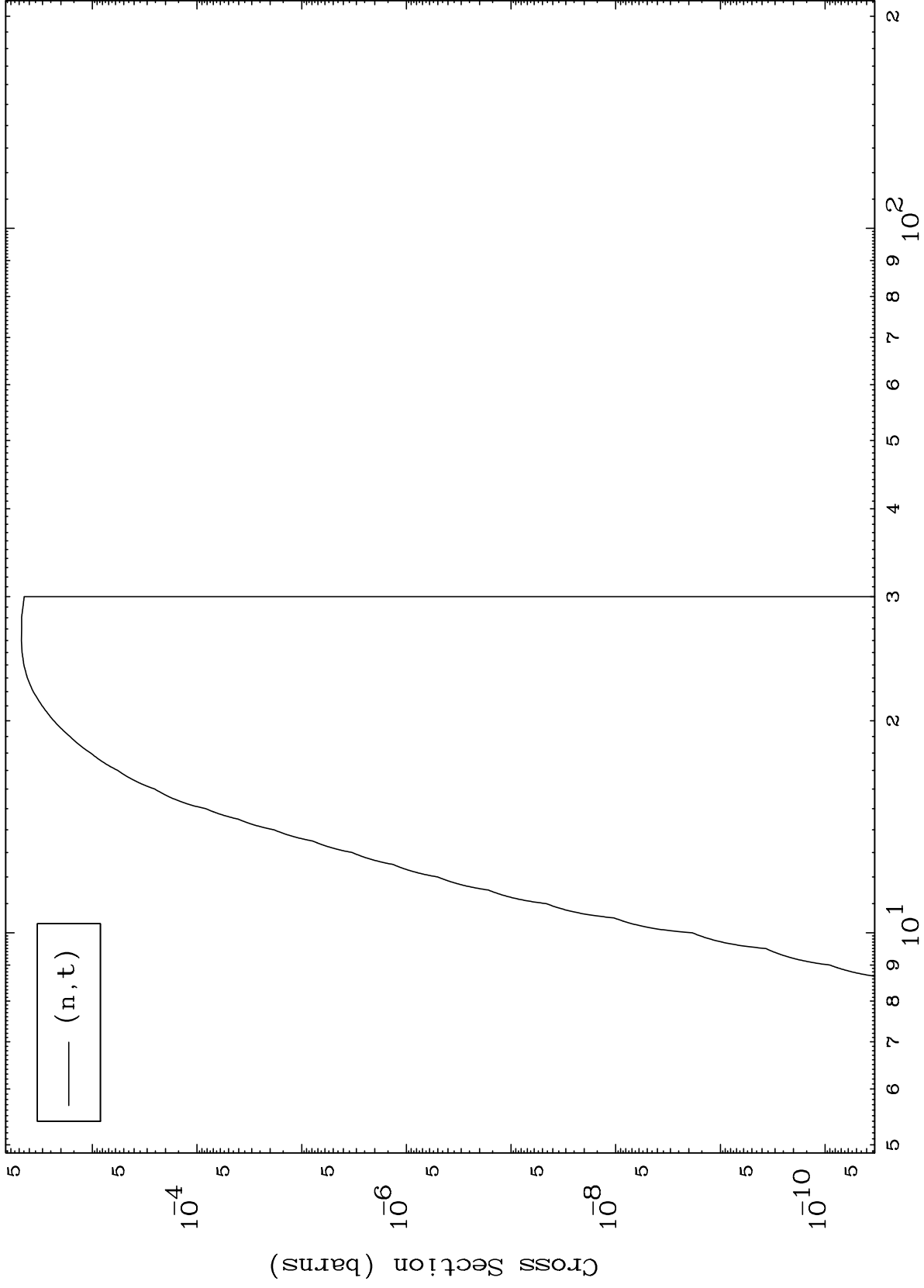
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-136



12

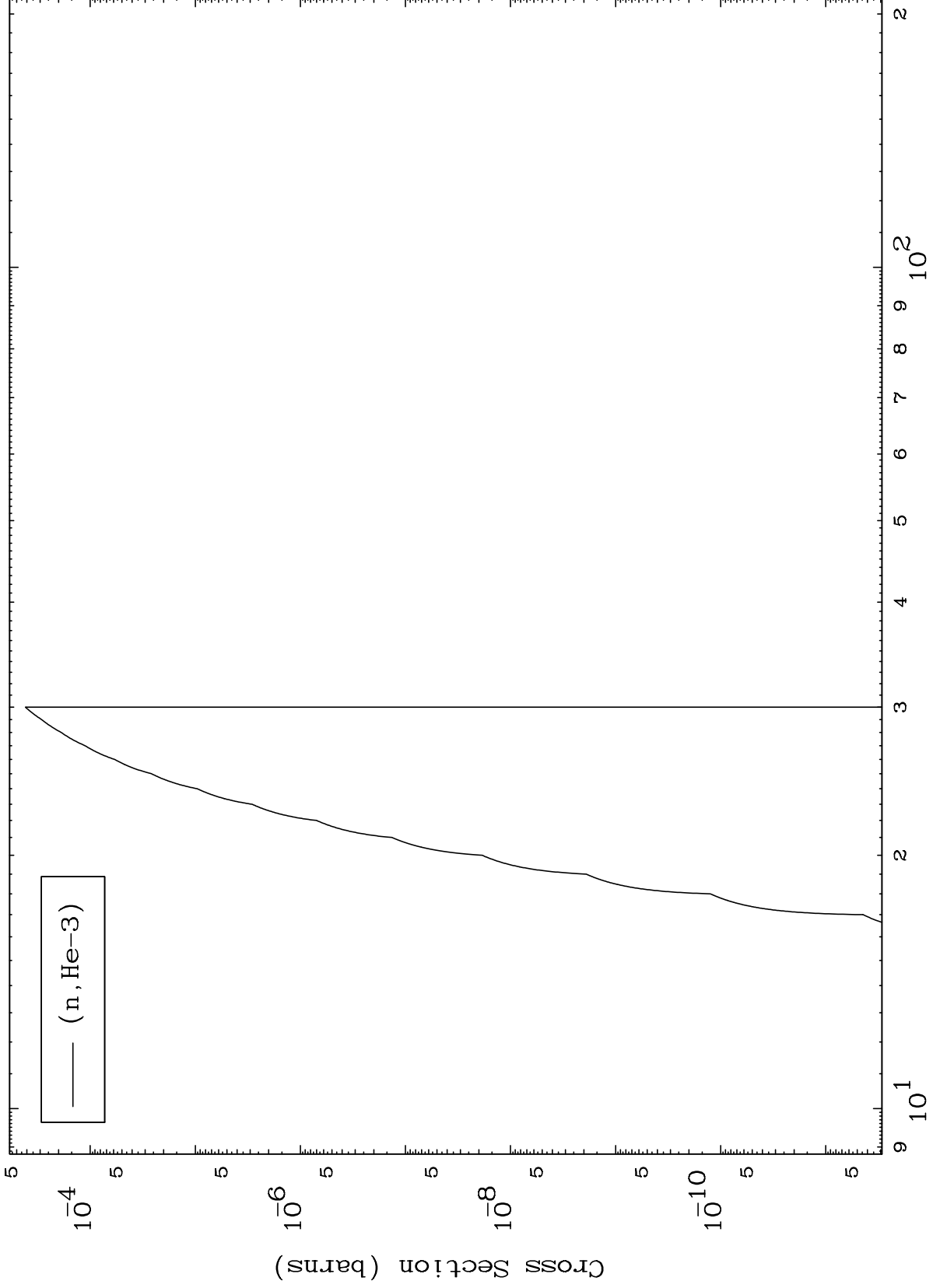
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-136



13

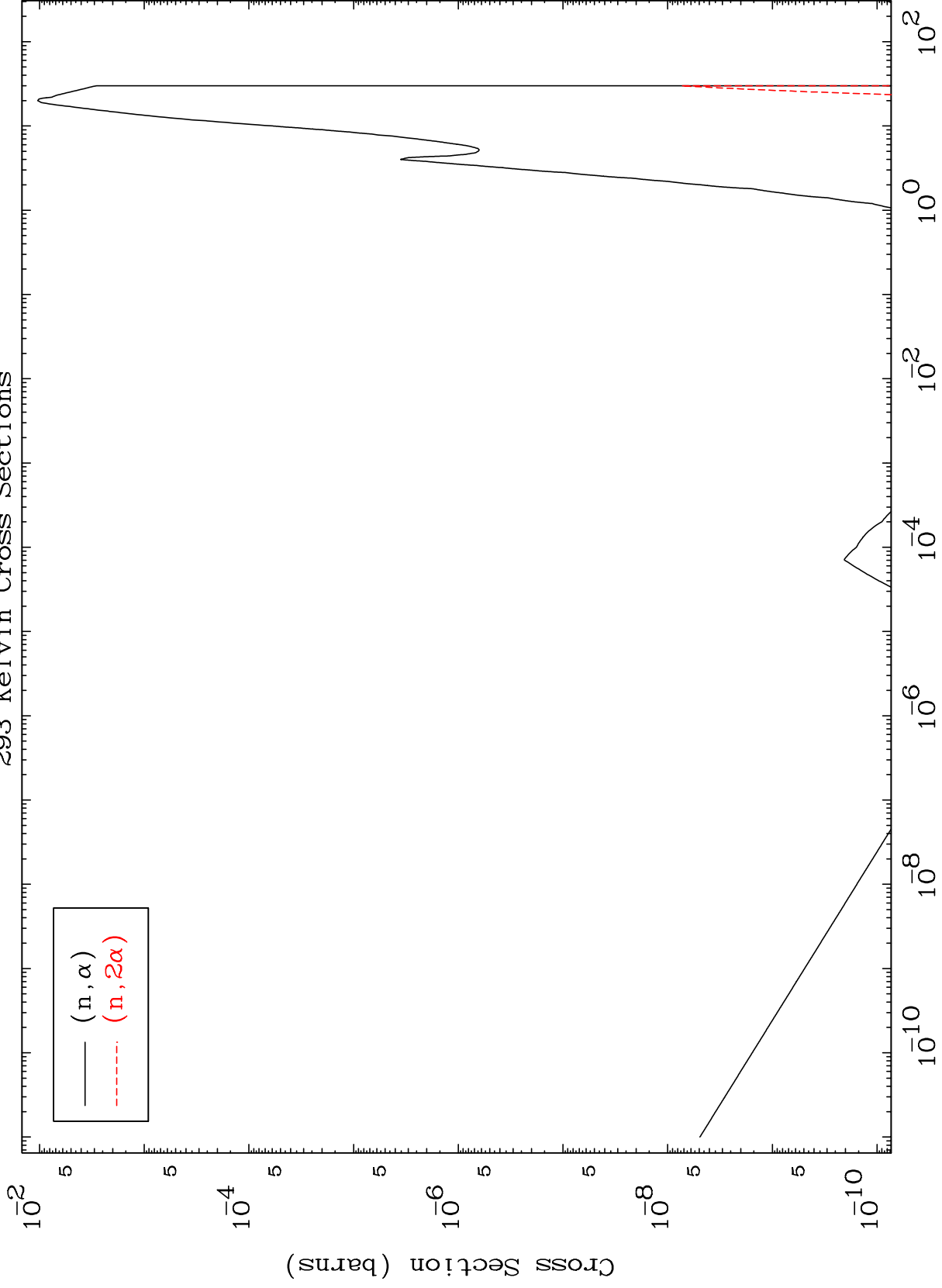
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n, α) Levels
293 Kelvin Cross Sections

55-Cs-136



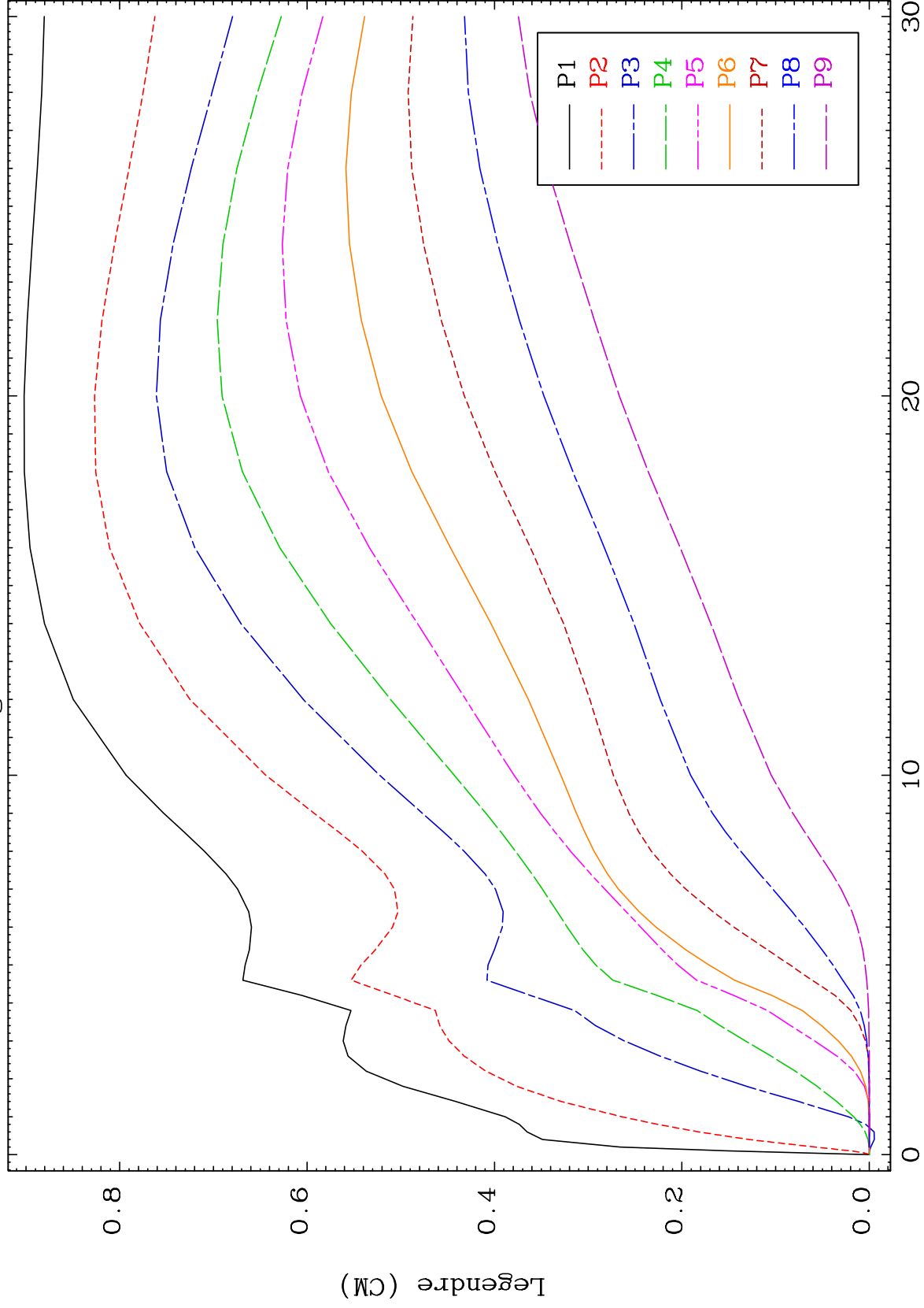
14

55-Cs-136

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



15

Incident Energy (MeV)

55-Cs-136

0

10

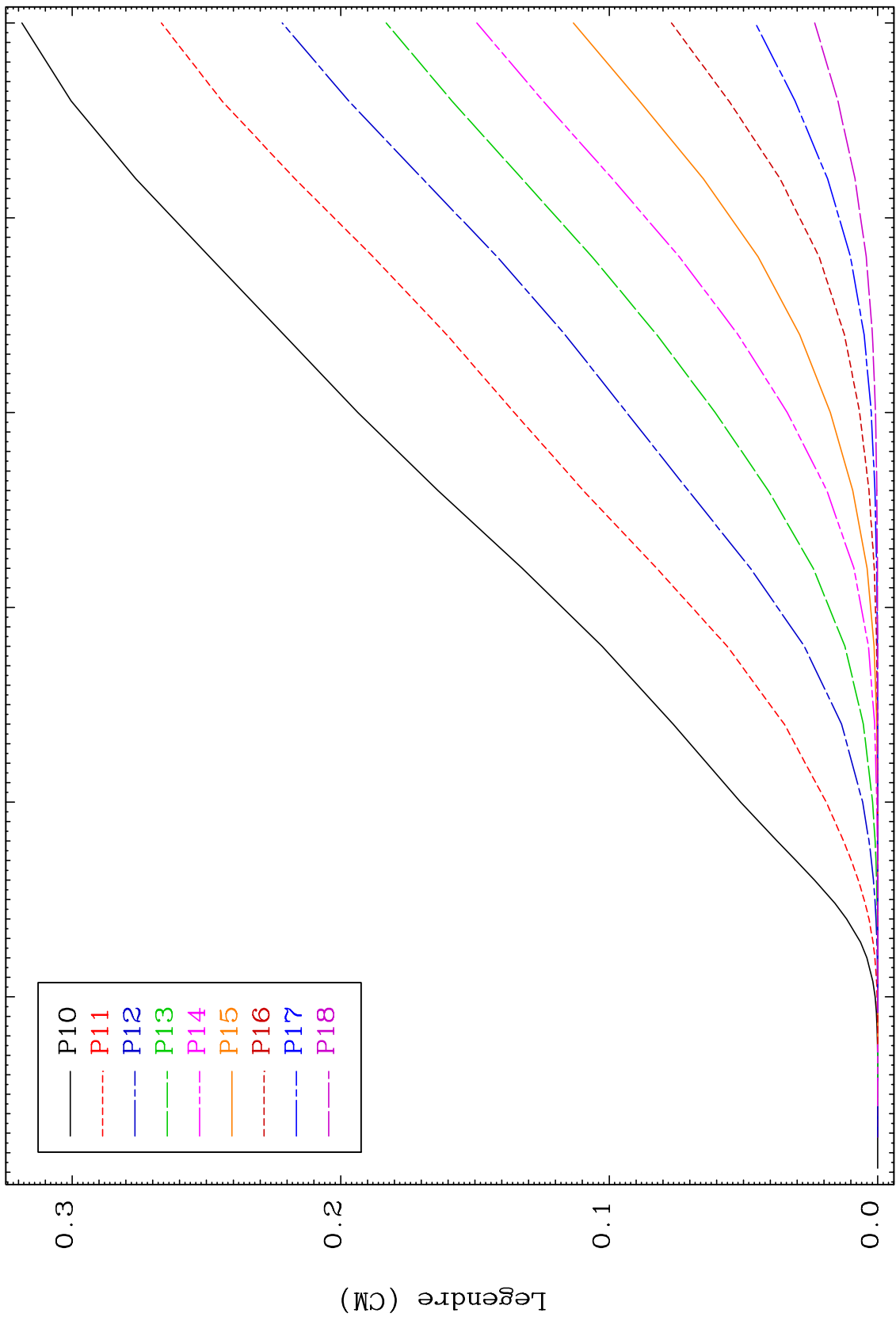
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30

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



16

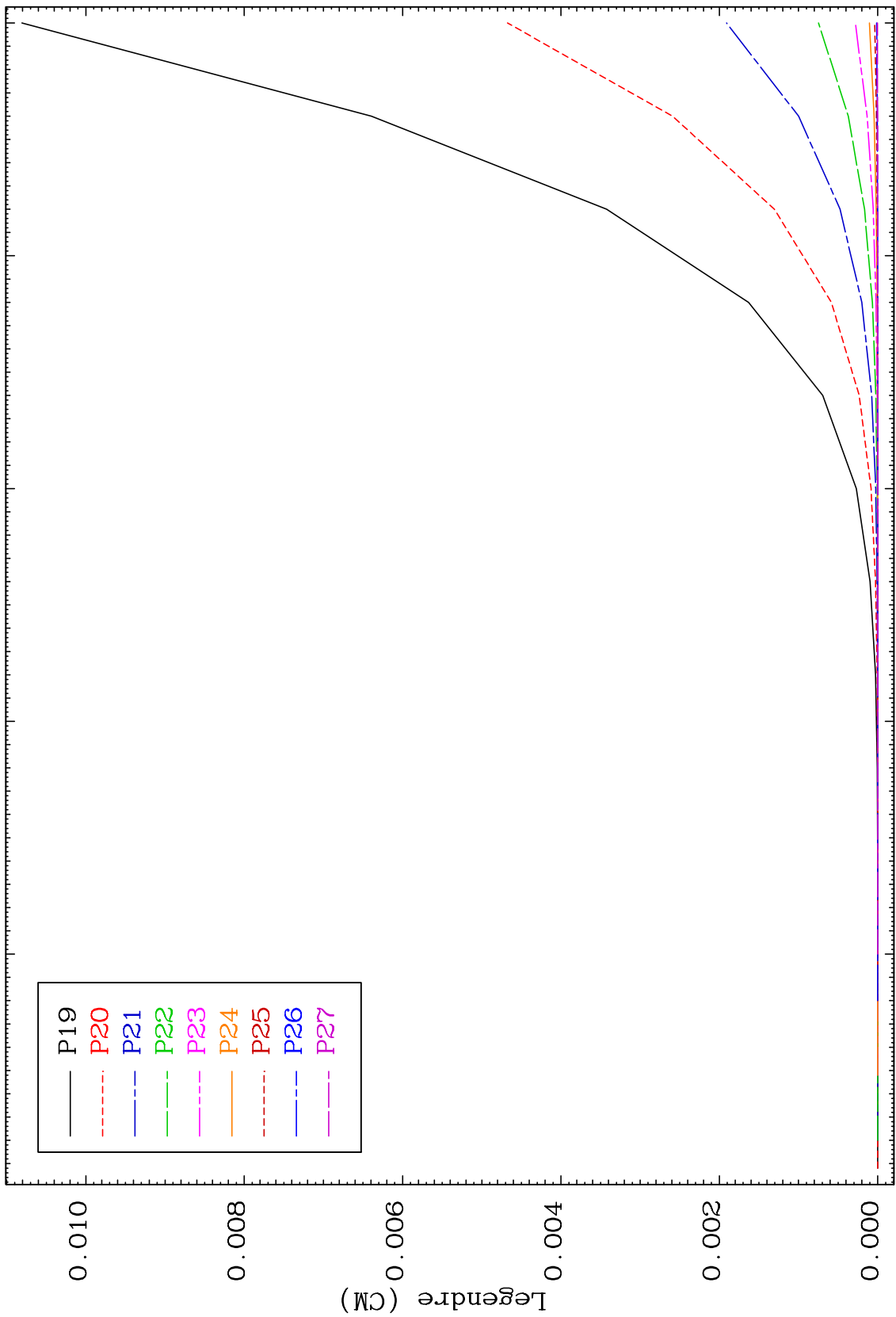
Incident Energy (MeV)

55-Cs-136

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



17

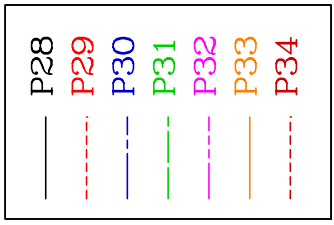
55-Cs-136

Incident Energy (MeV)

MAT 5534

Elastic Legendre Coefficients

55-Cs-136



$\times 10^{-6}$

Legendre (CM)

10

15

20

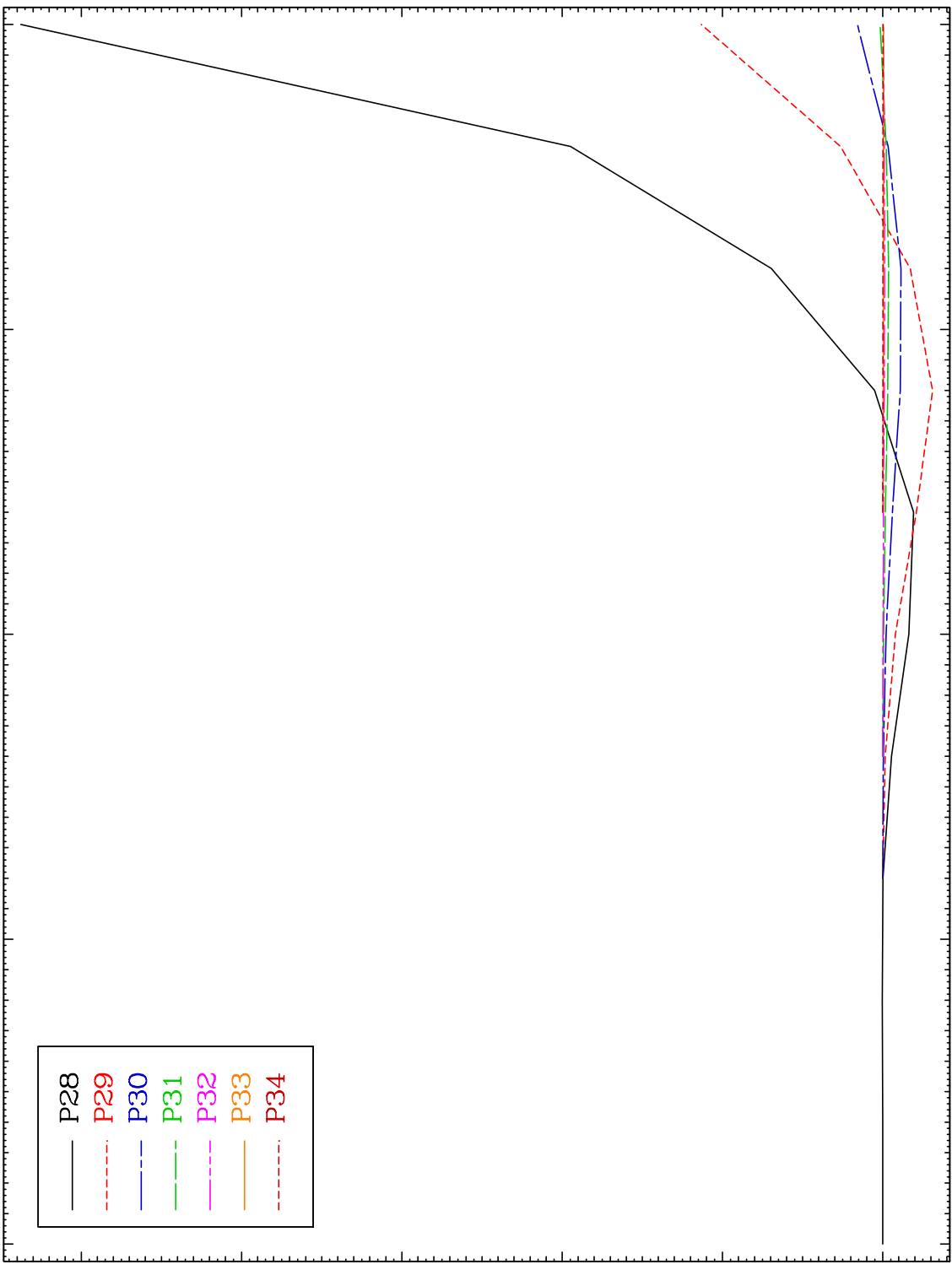
25

30

18

Incident Energy (MeV)

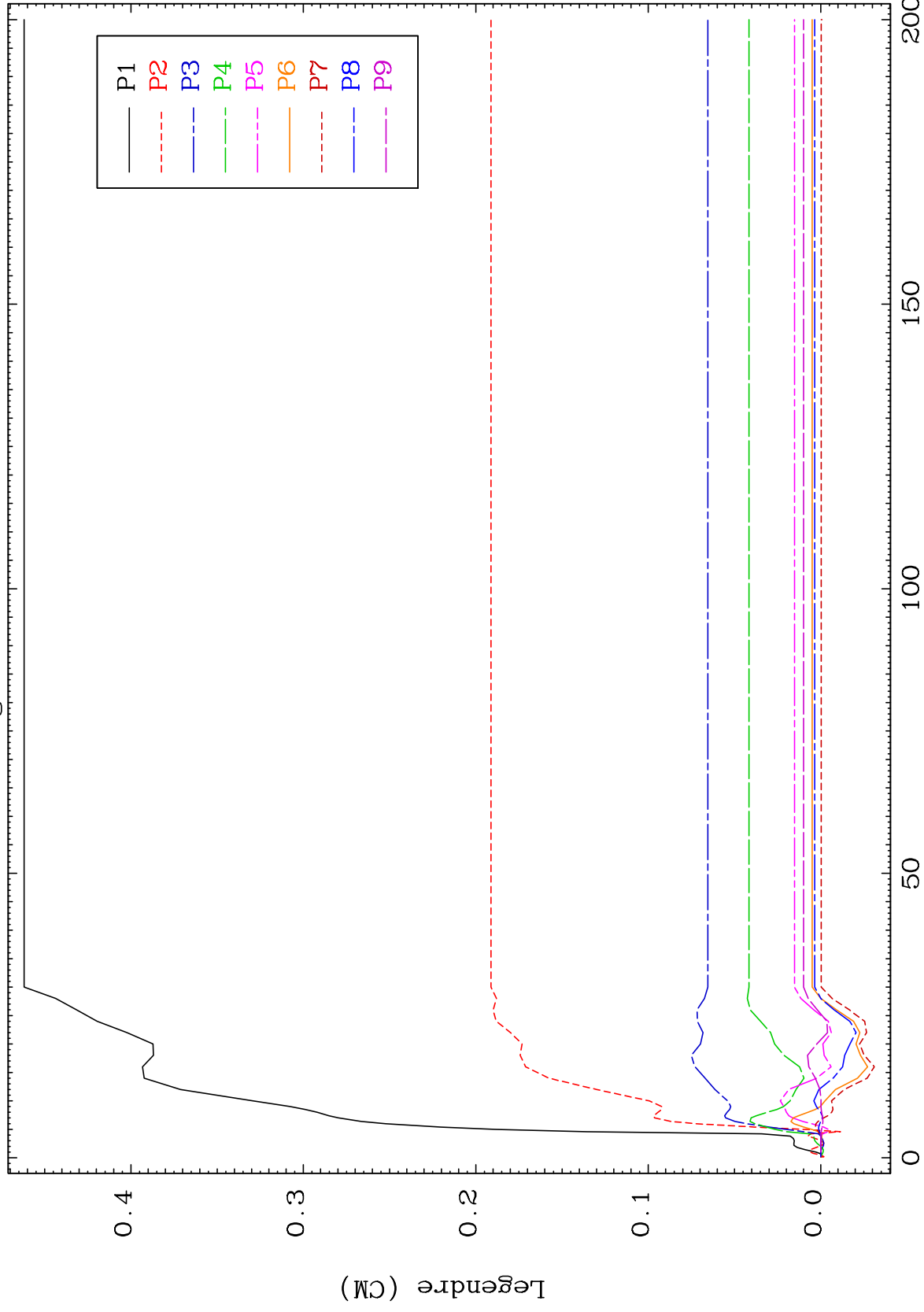
55-Cs-136



MAT 5534

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

55-Cs-136



55-Cs-136

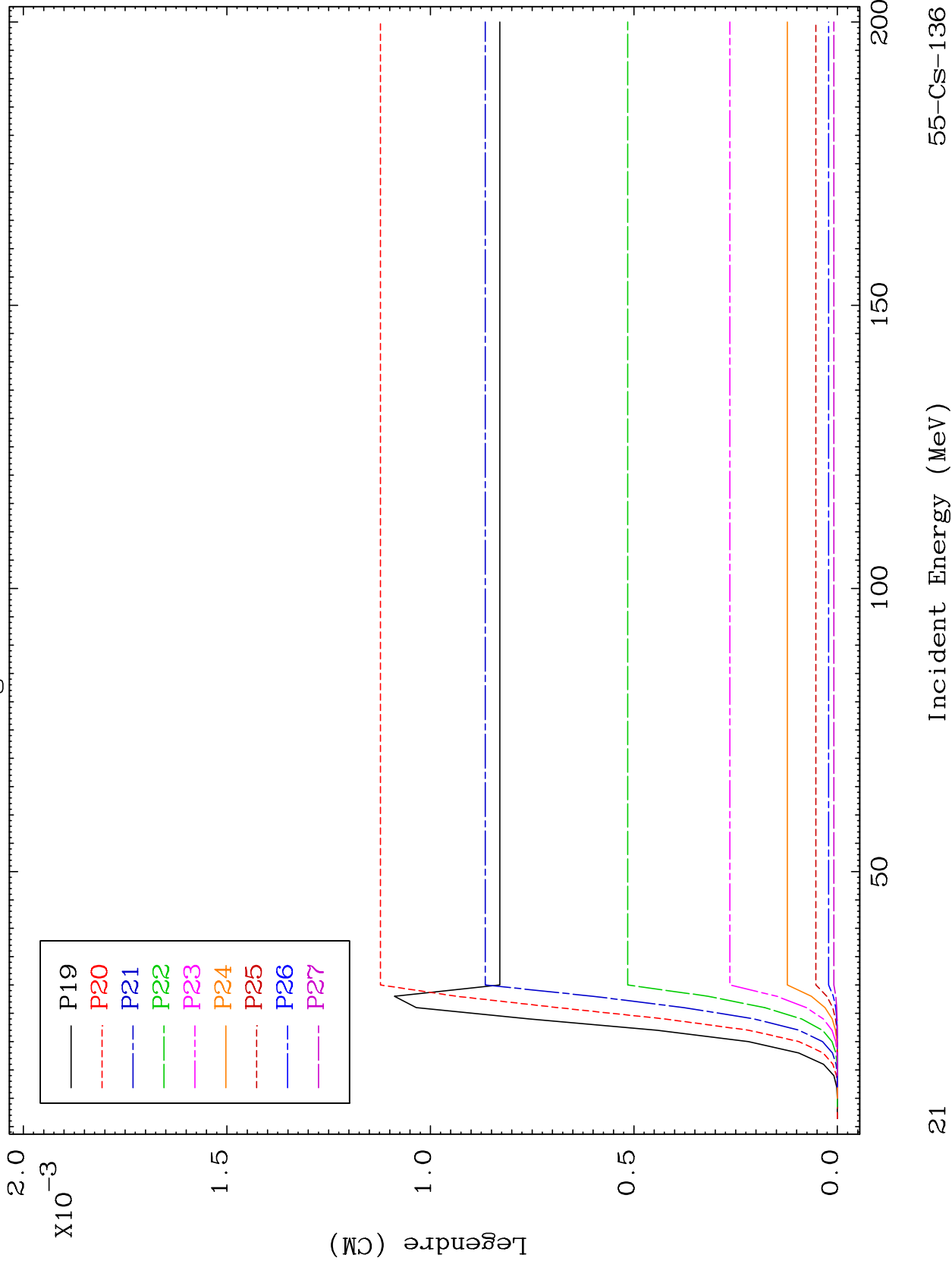
Incident Energy (MeV)

19

MAT 5534

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

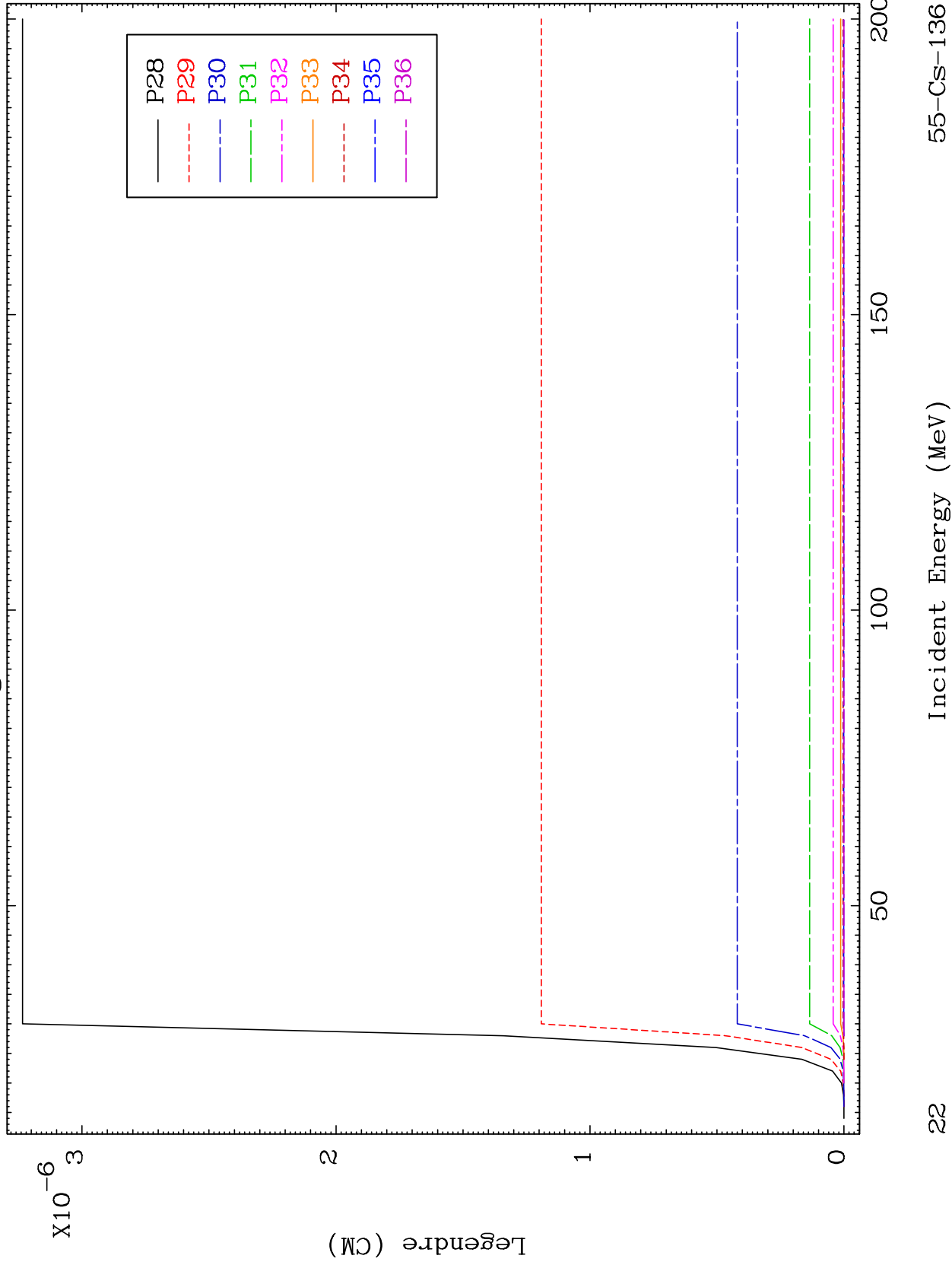
55-Cs-136



MAT 5534

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

55-Cs-136



22

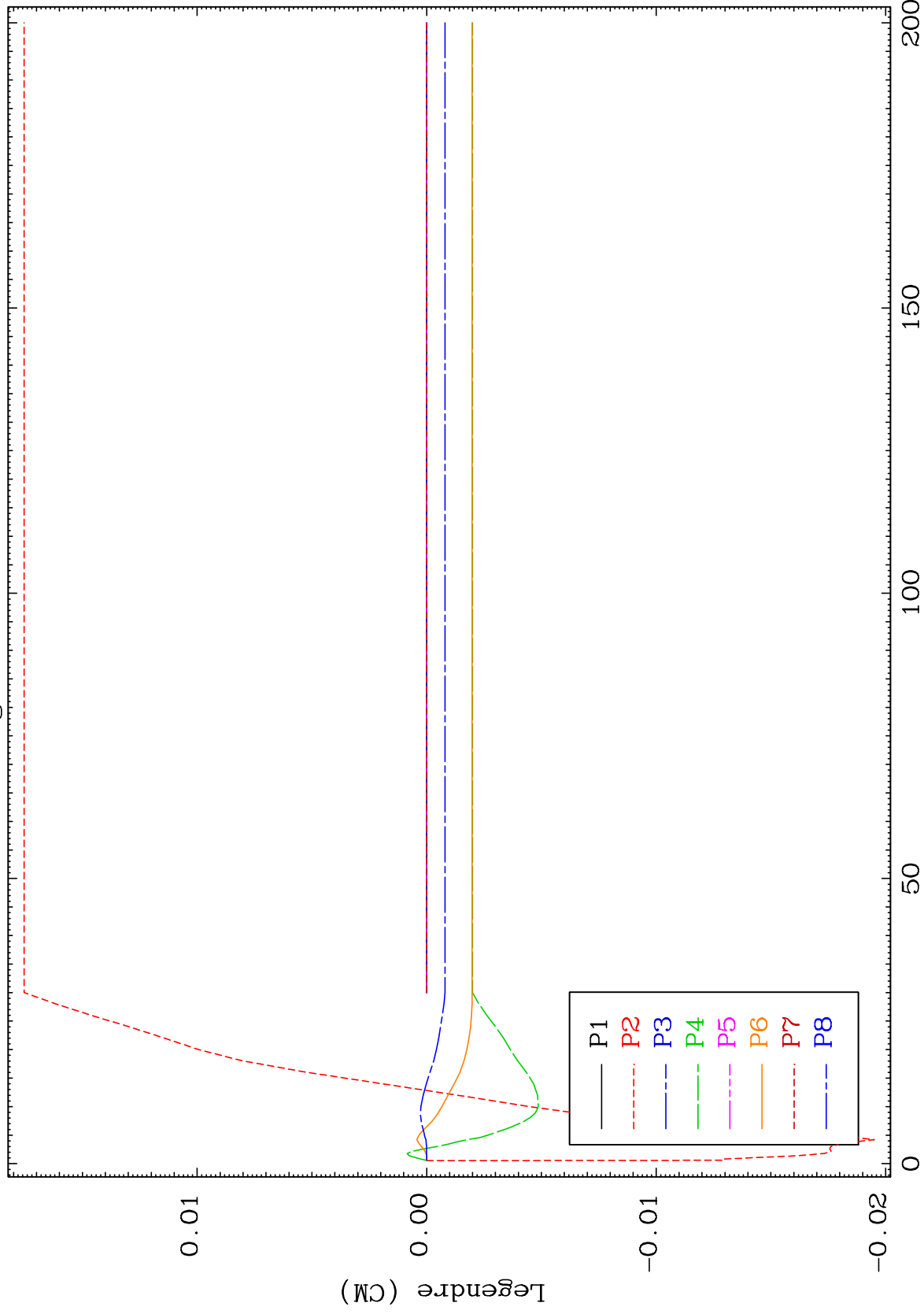
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



23

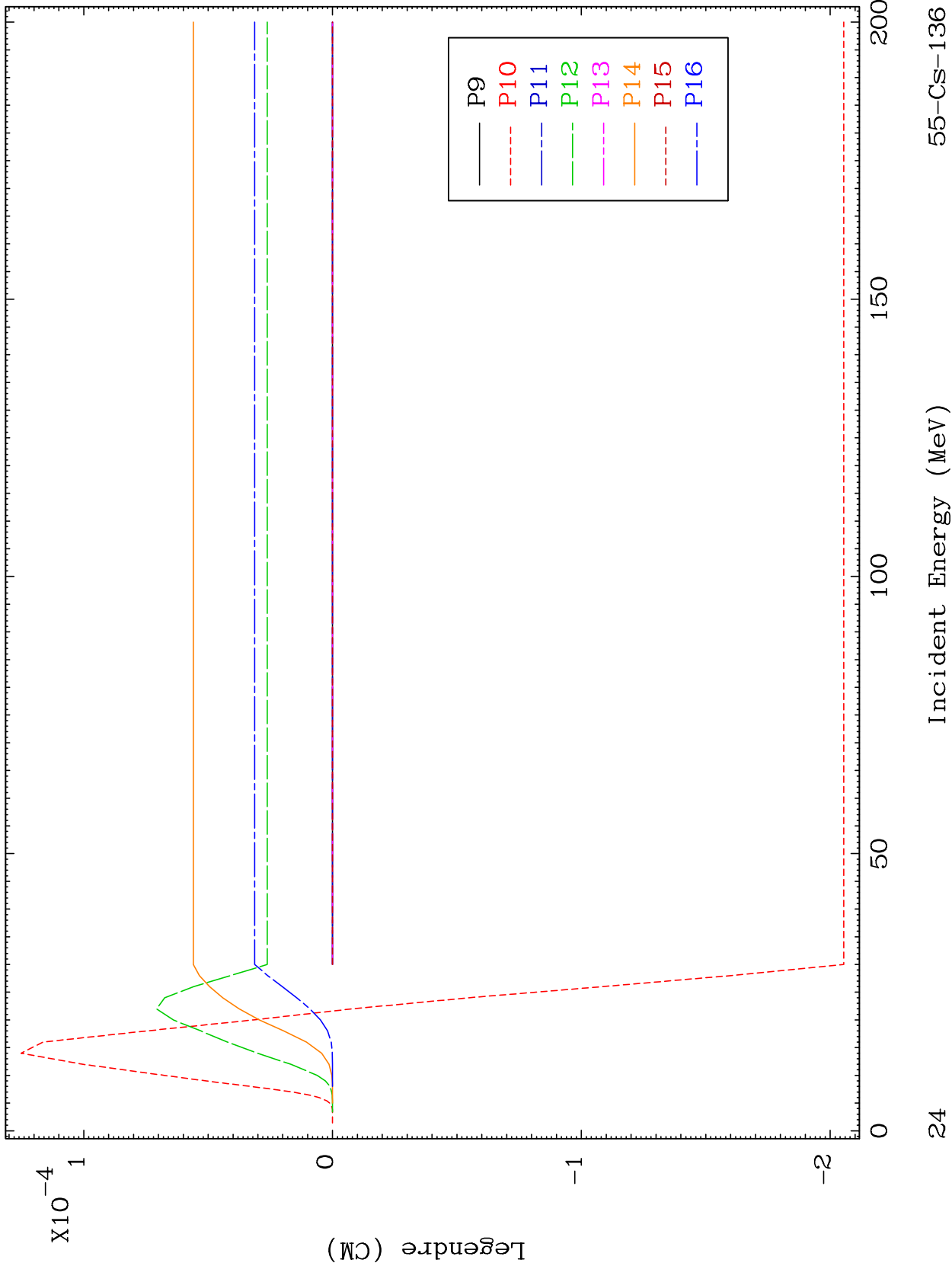
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

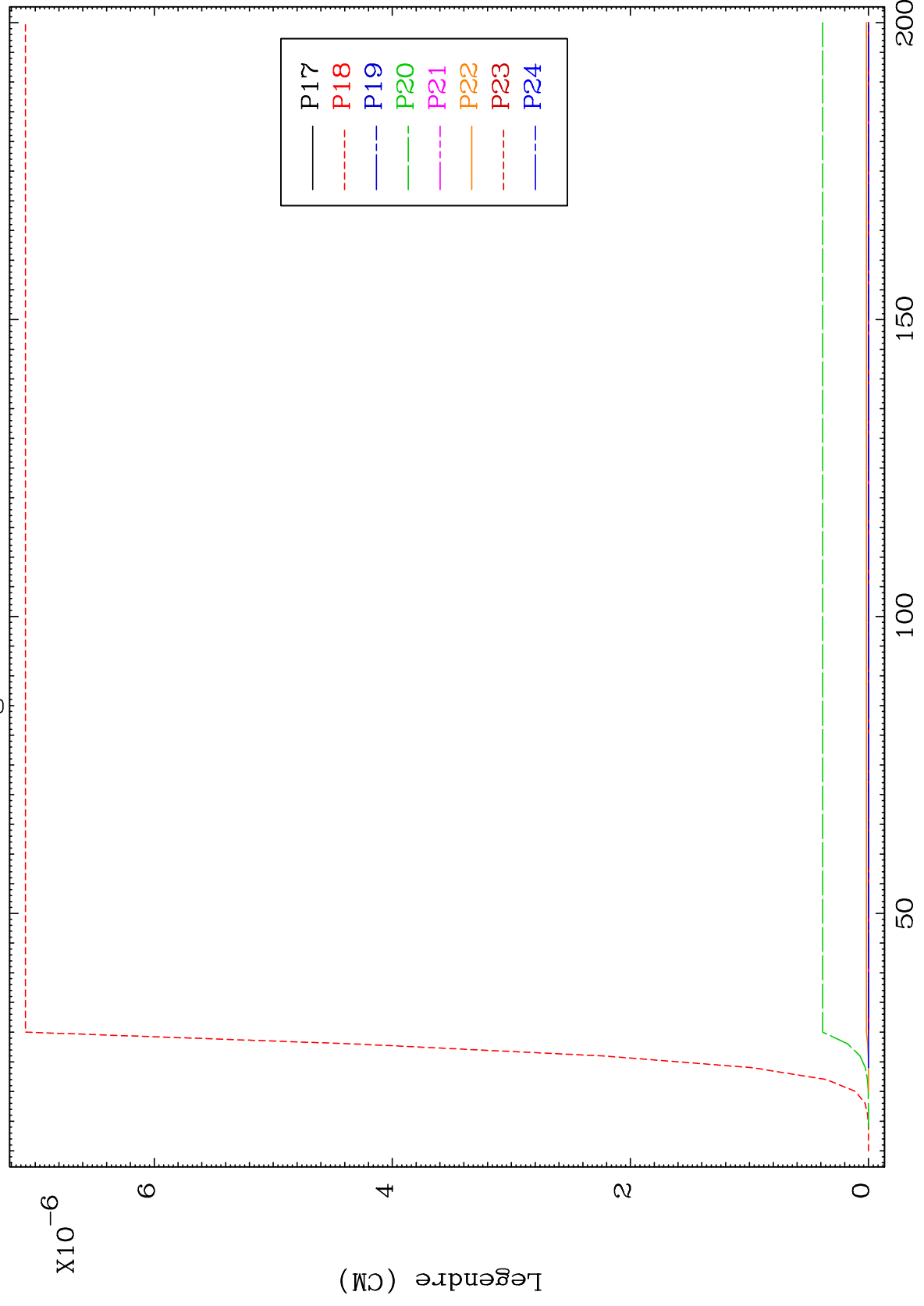
Incident Energy (MeV)

24

MAT 5534

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

55-Cs-136



55-Cs-136

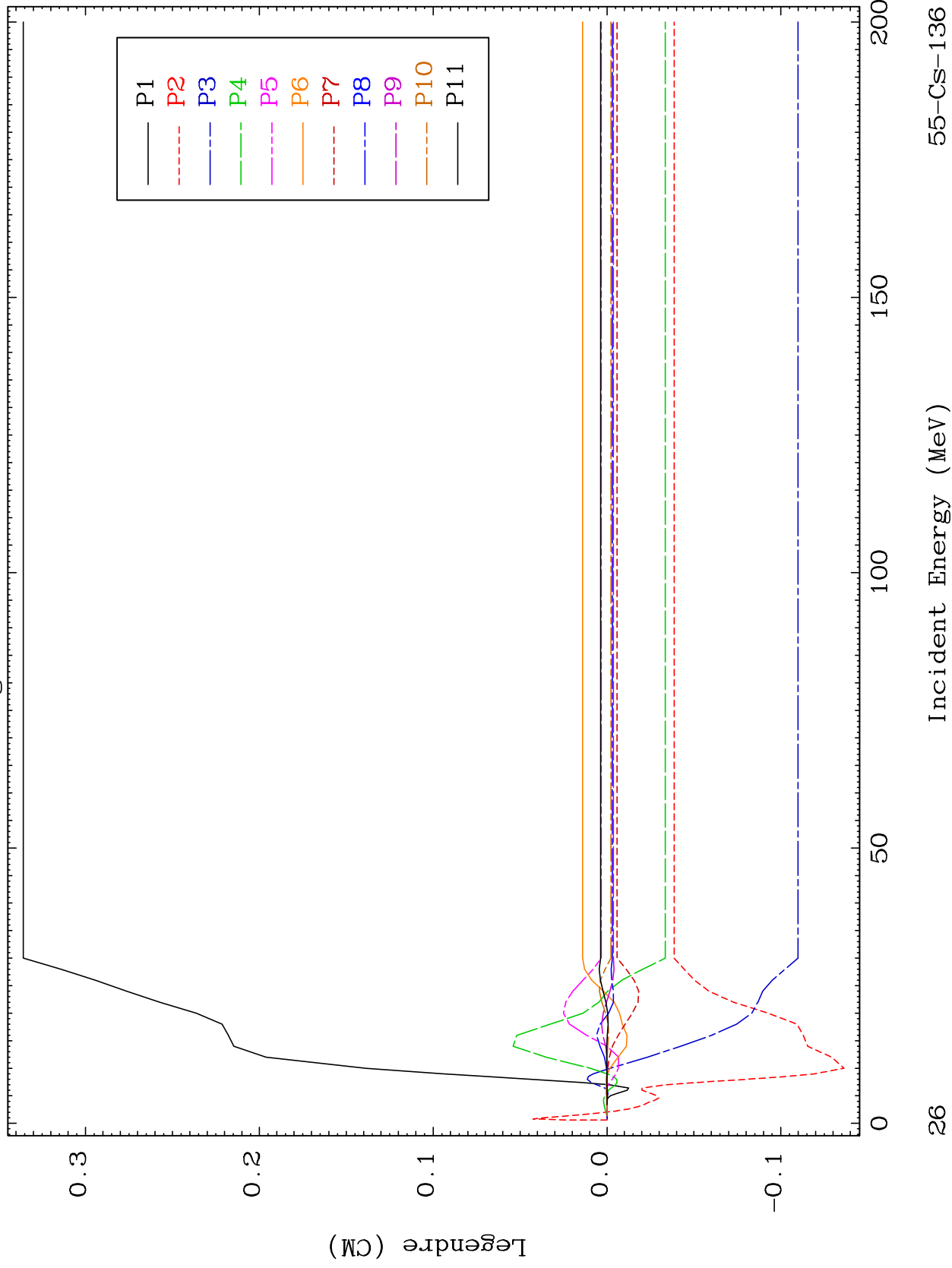
Incident Energy (MeV)

25

MAT 5534

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

55-Cs-136



55-Cs-136

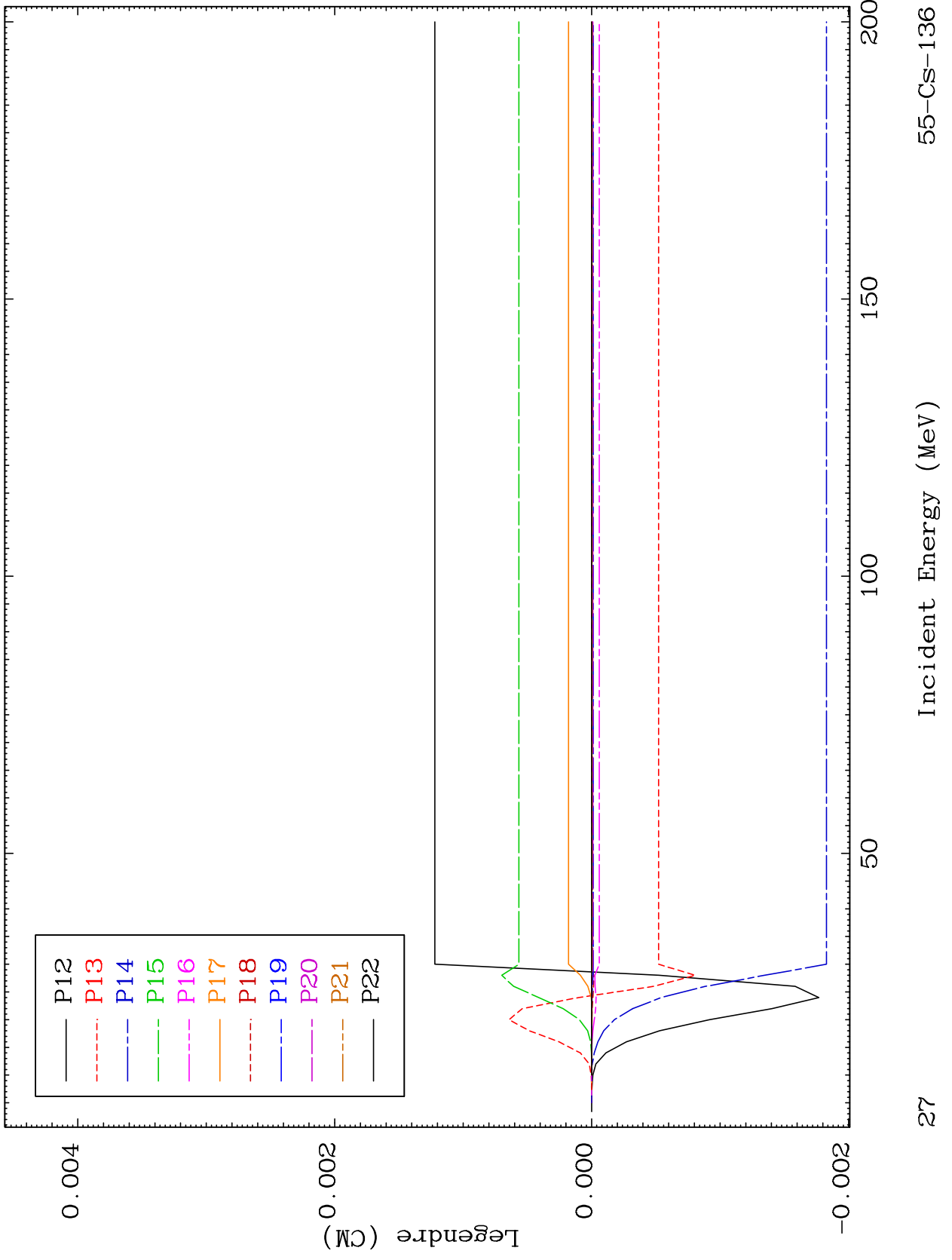
Incident Energy (MeV)

26

MAT 5534

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

55-Cs-136



27

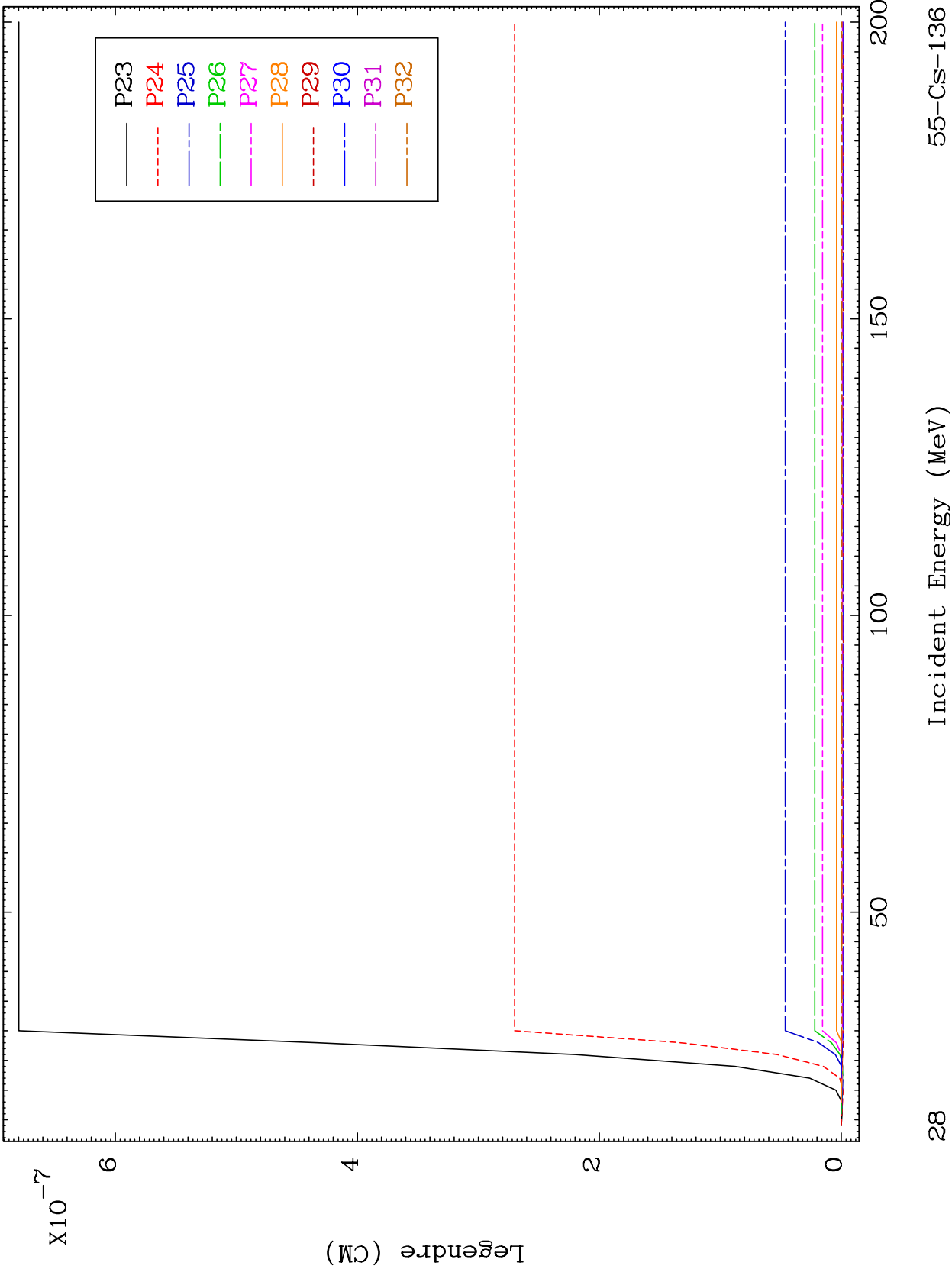
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



28

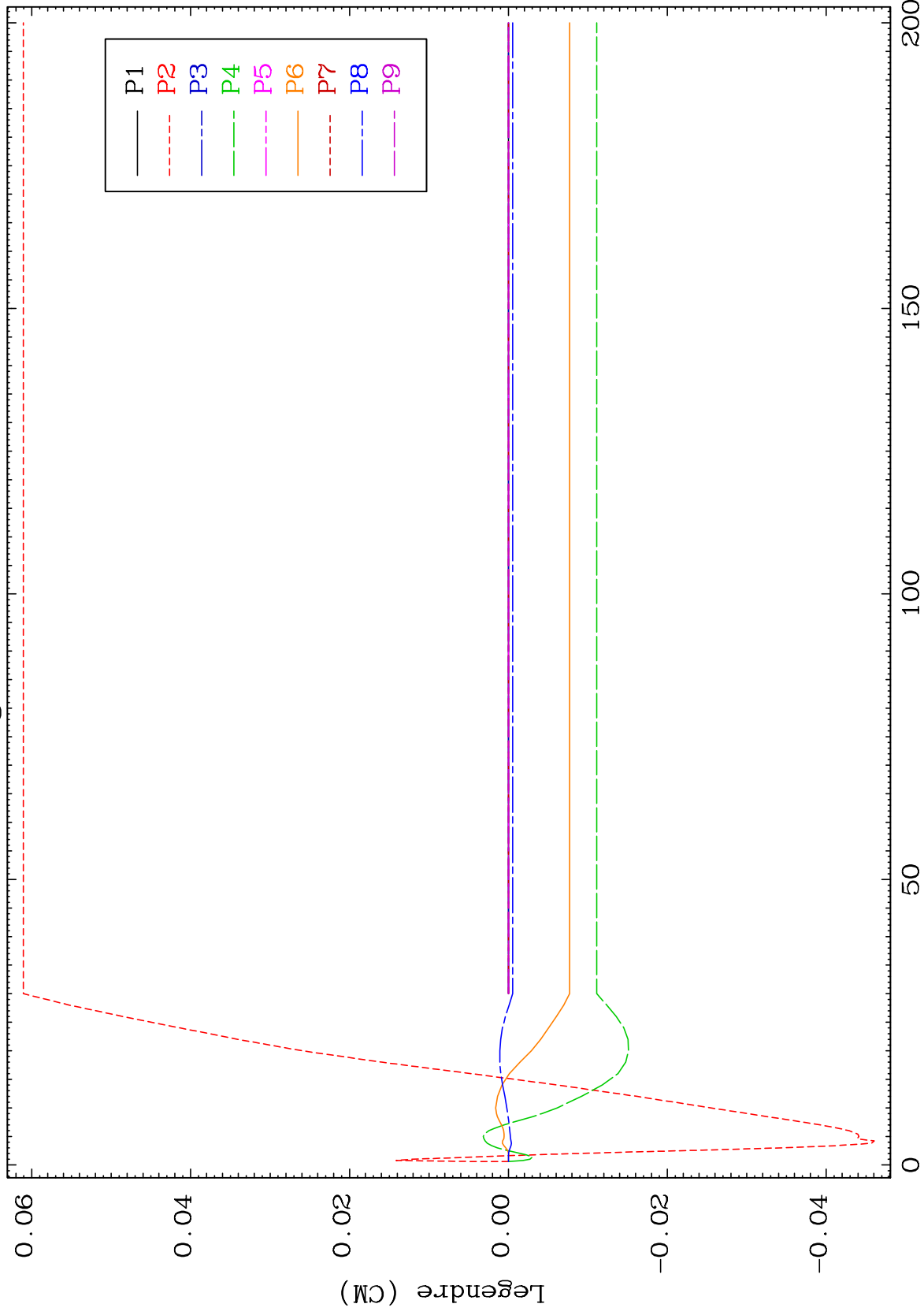
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



29

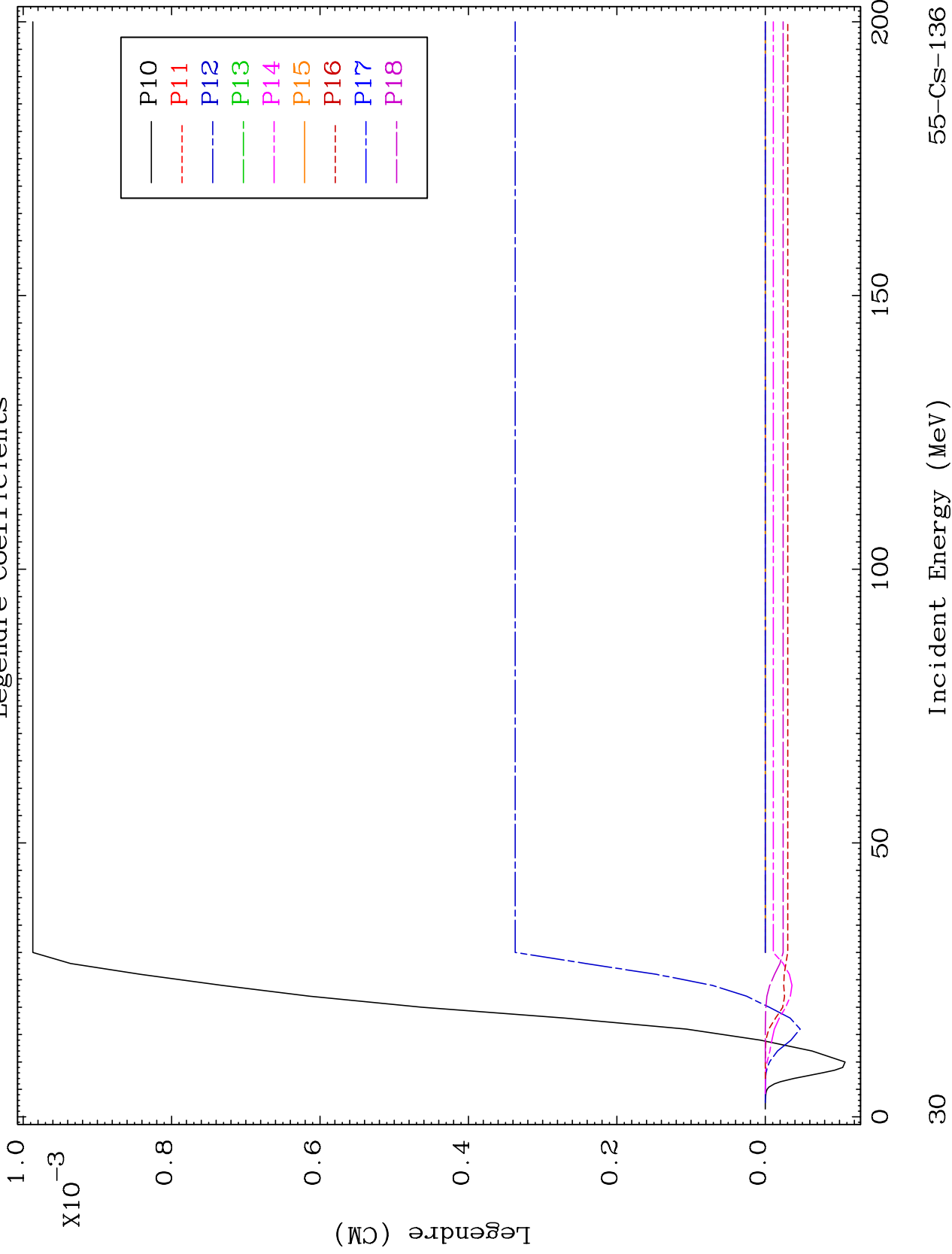
Incident Energy (MeV)

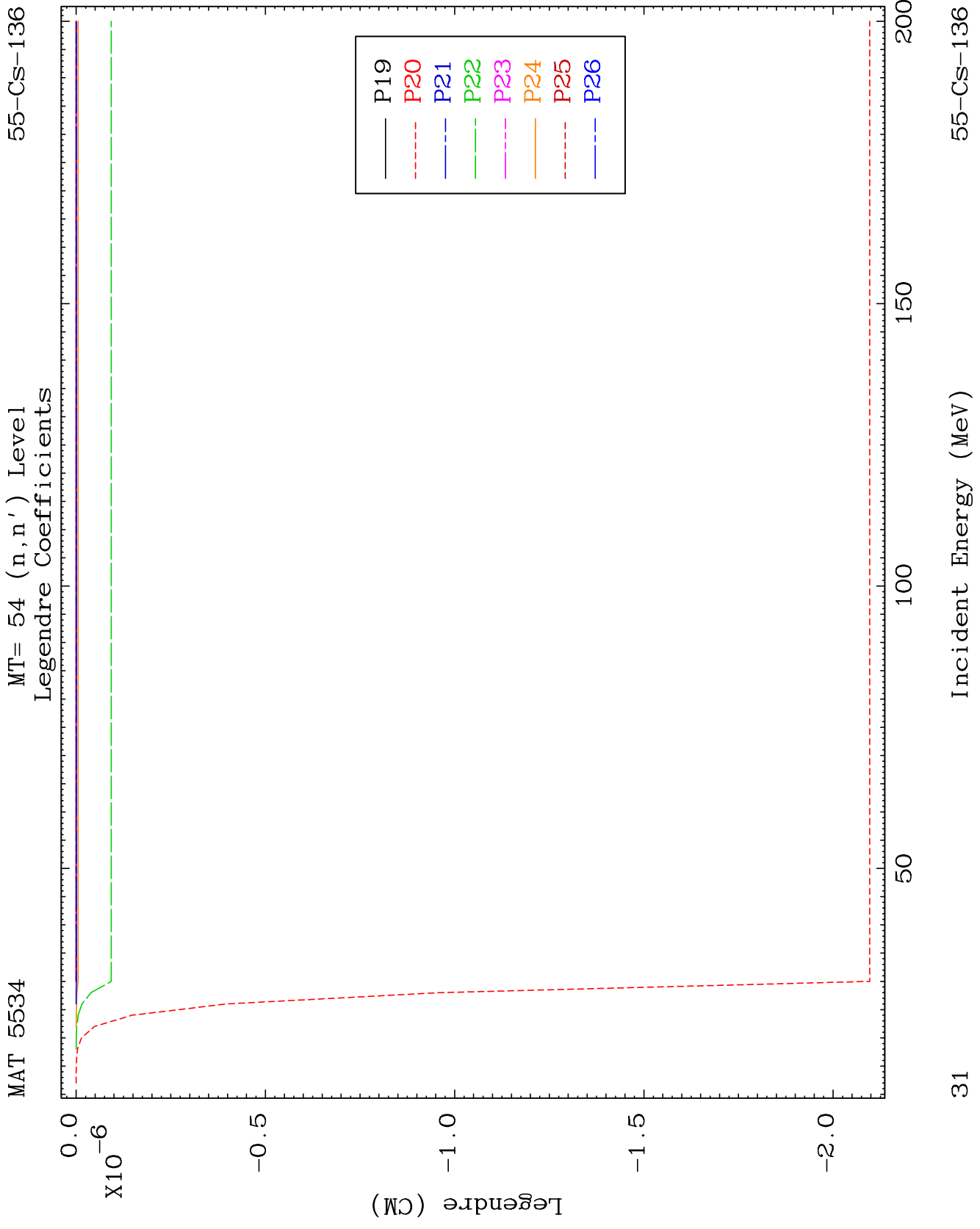
55-Cs-136

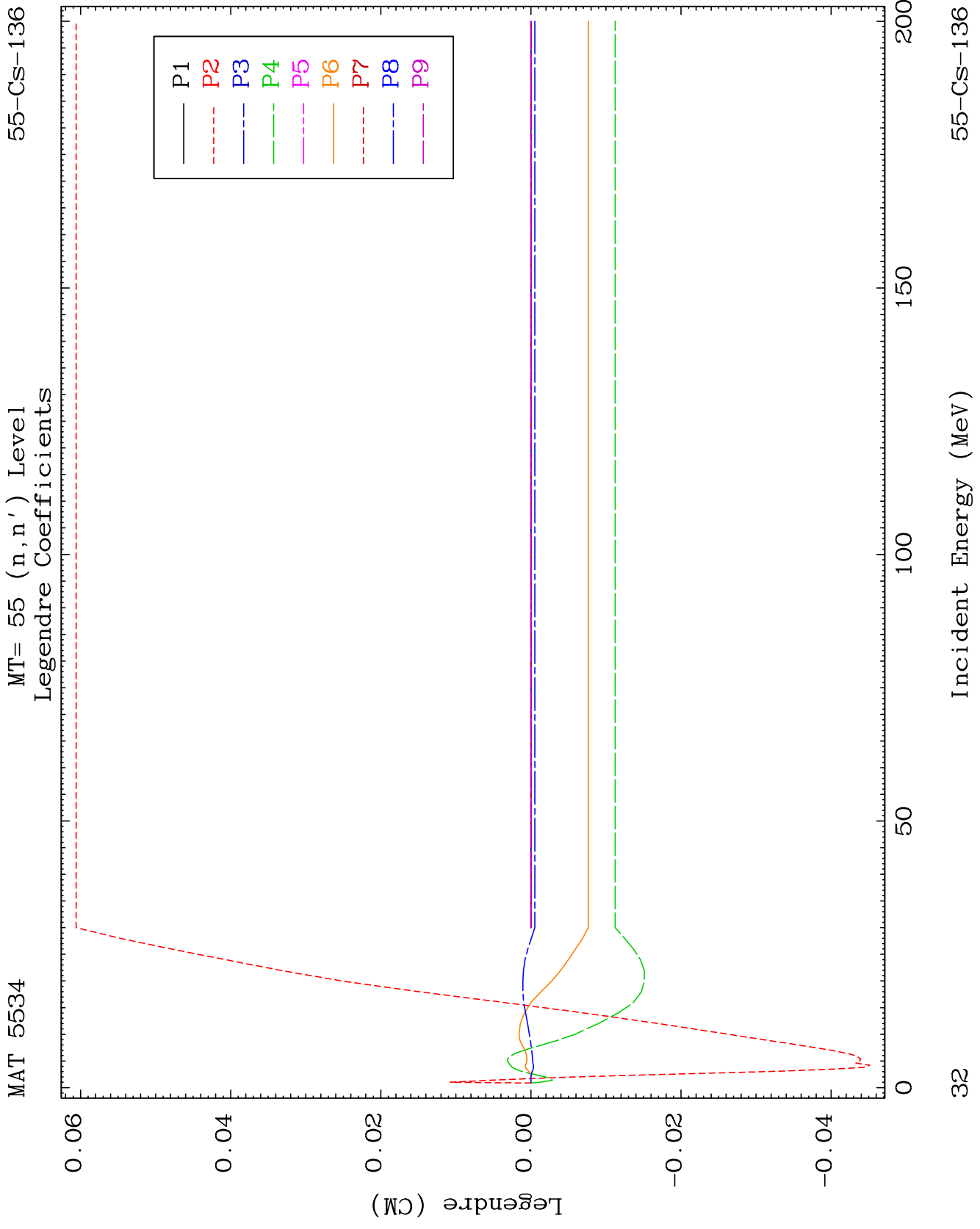
MAT 5534

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

55-Cs-136



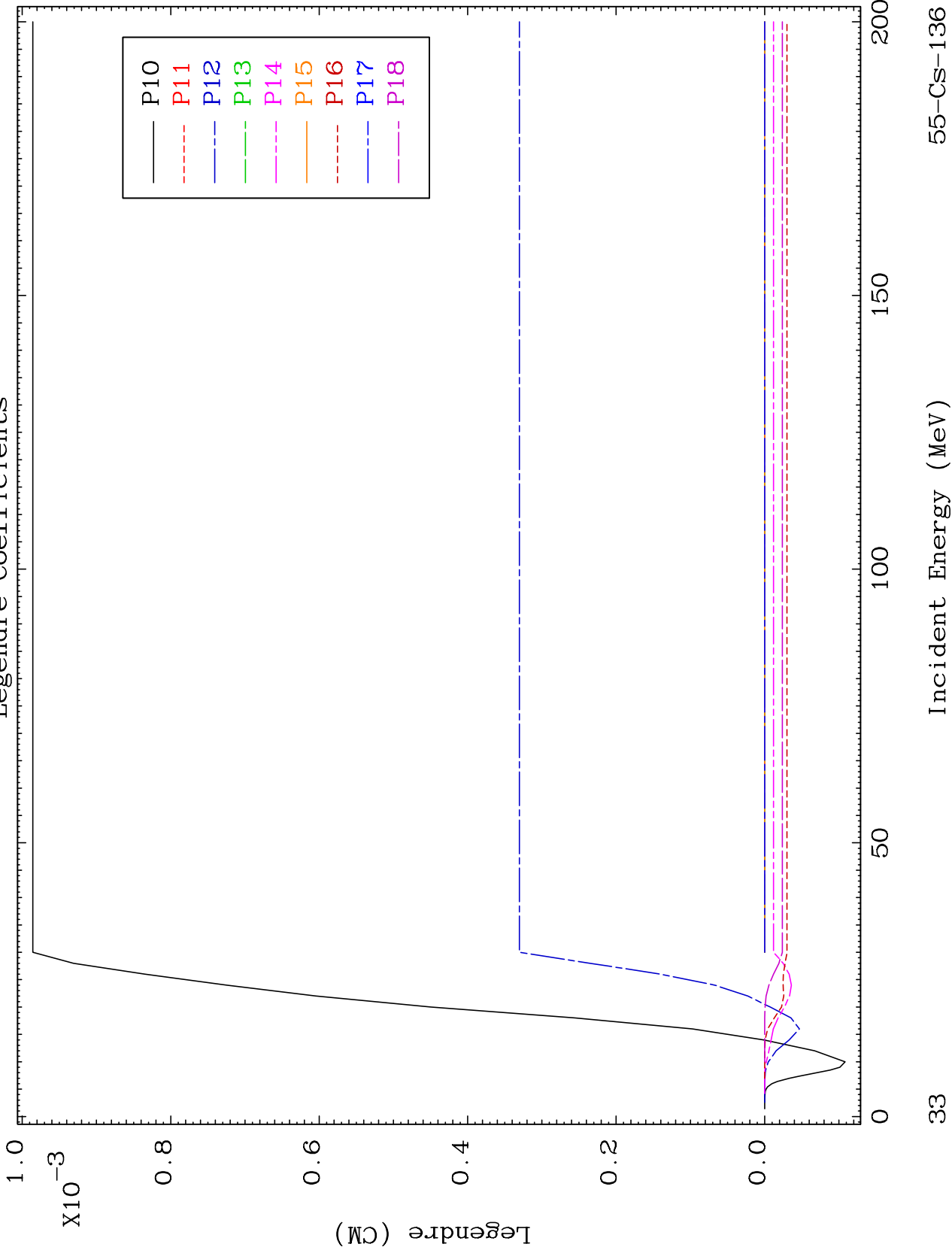




MAT 5534

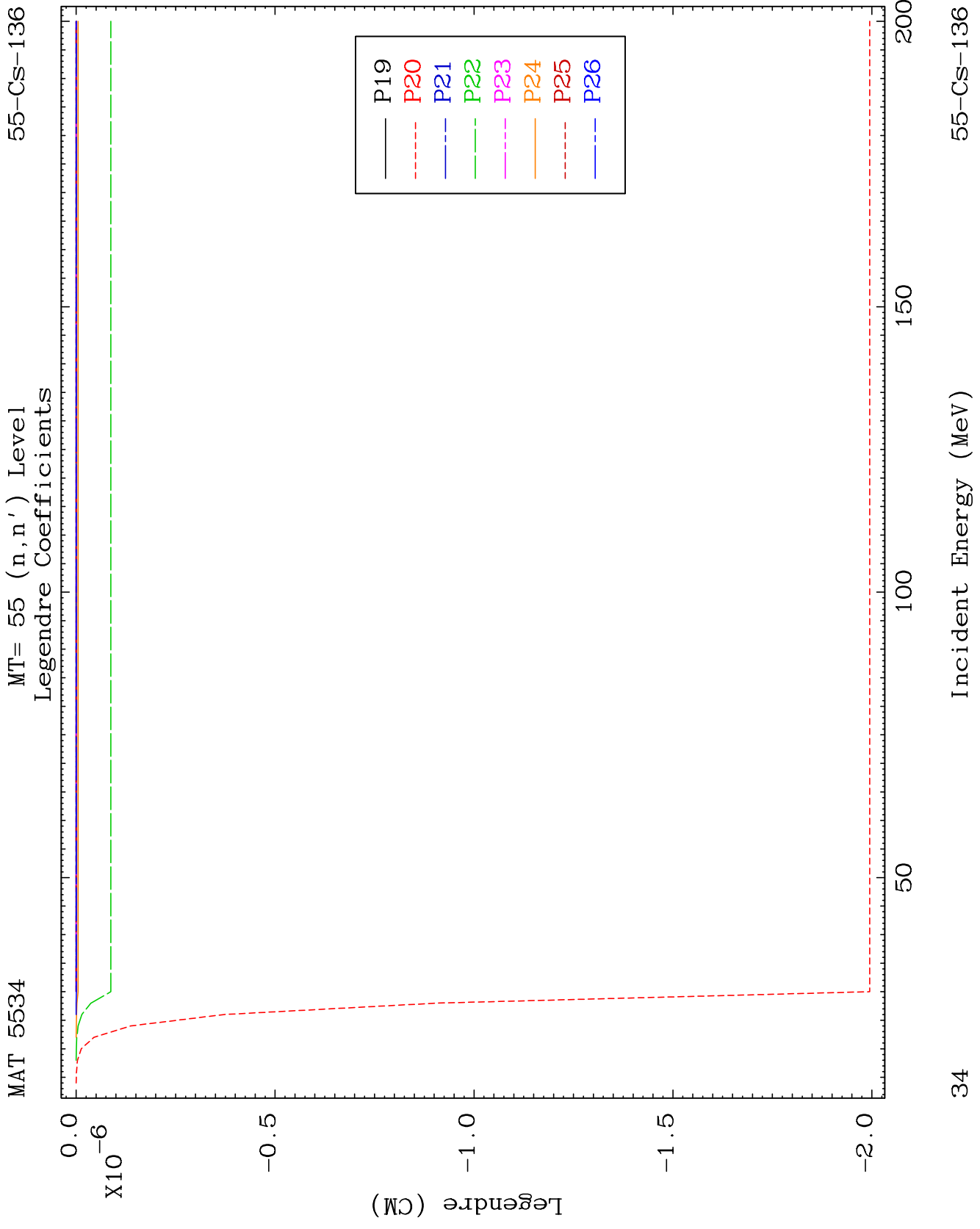
MT= 55 (n,n') Level
Legendre Coefficients

55-Cs-136



33

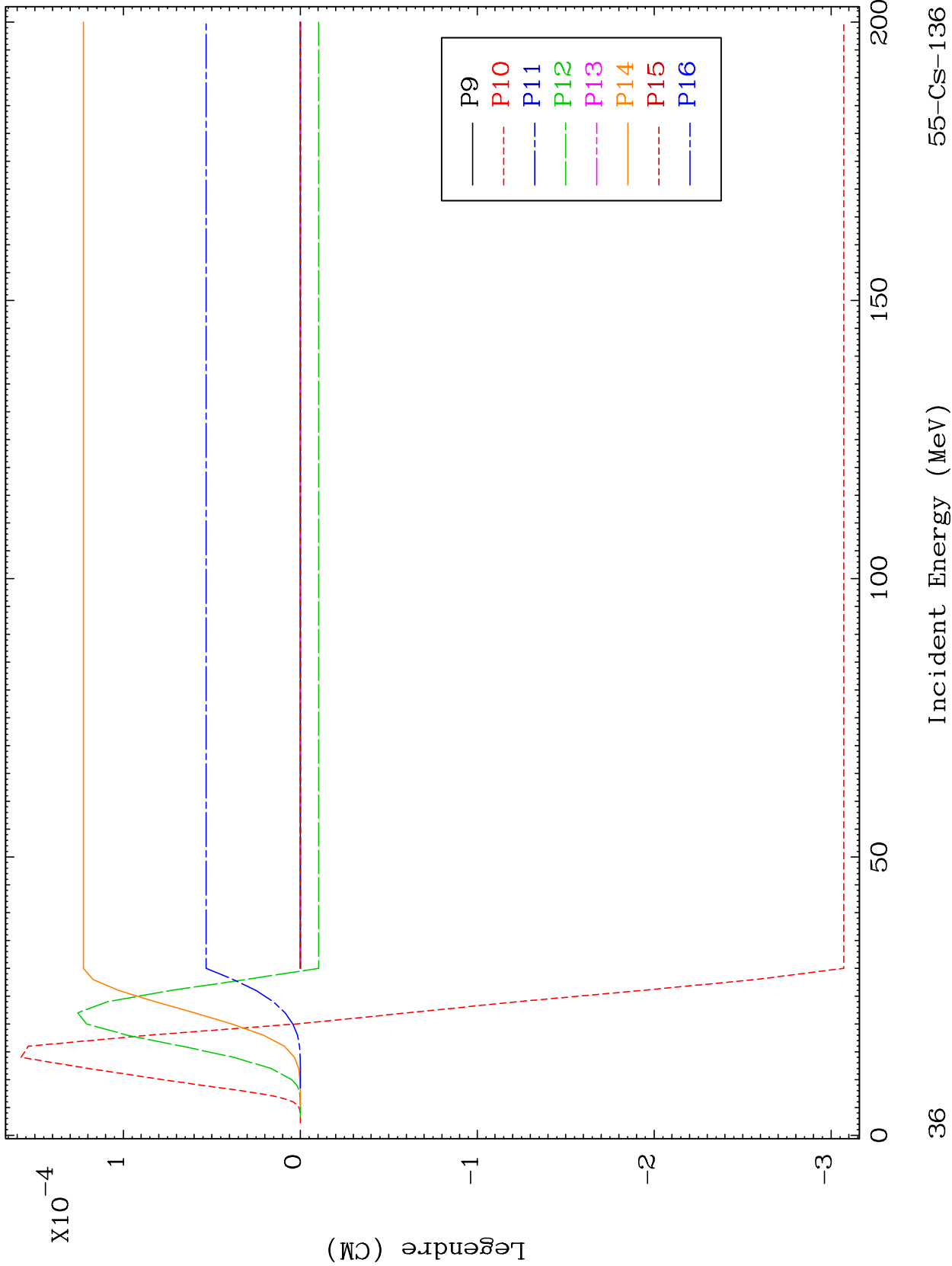
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MAT 5534

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

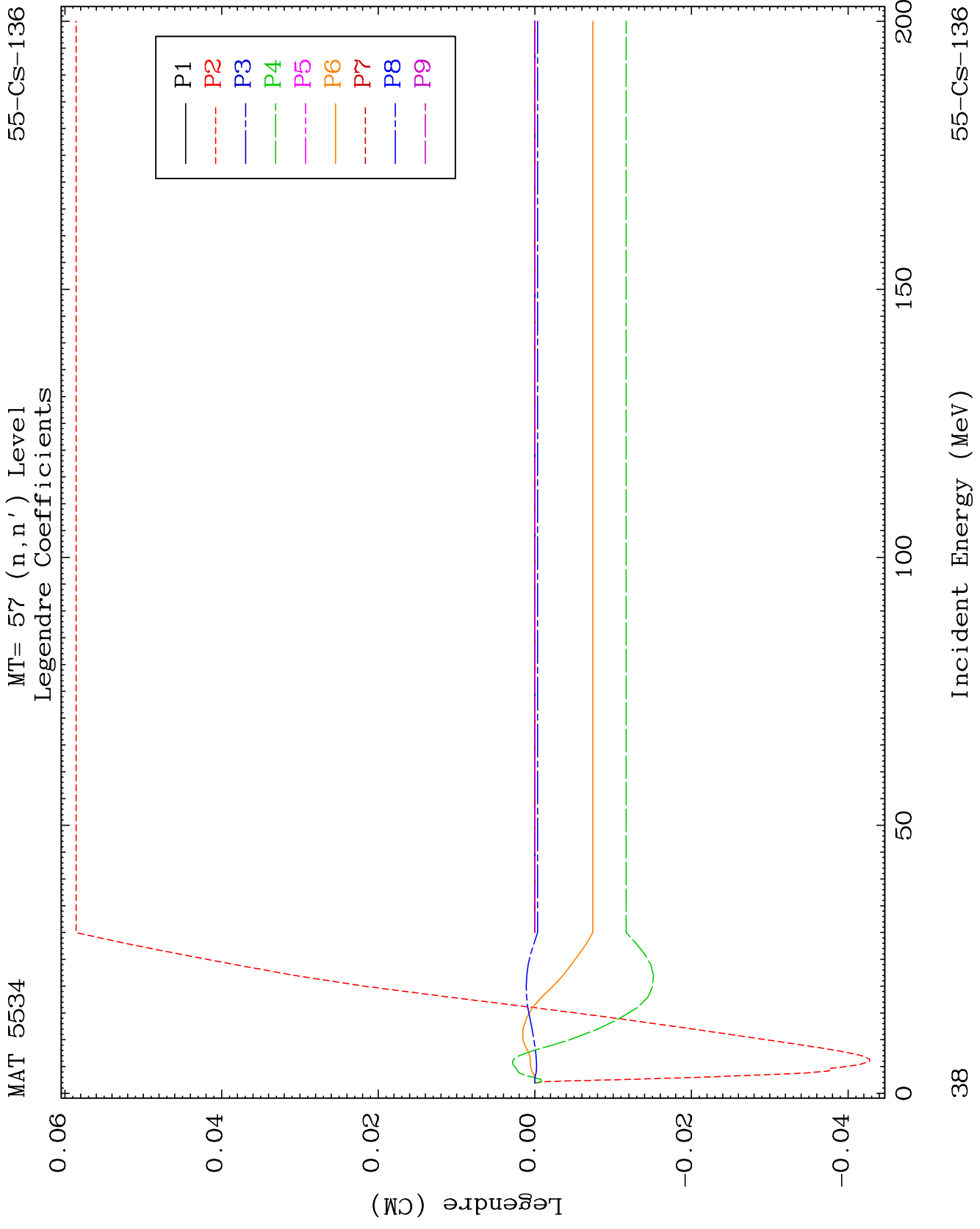
55-Cs-136



55-Cs-136

Incident Energy (MeV)

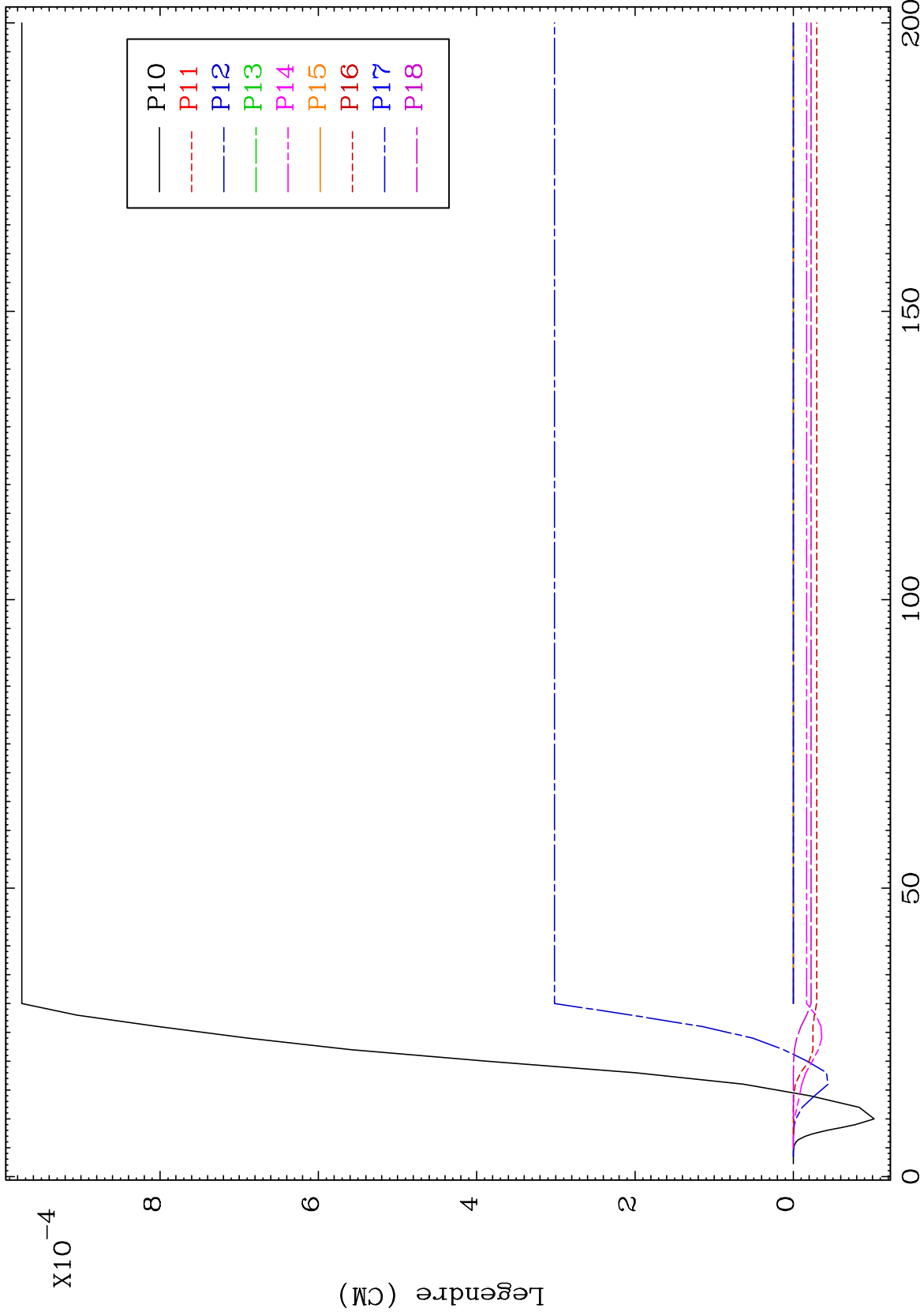
36



MAT 5534

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

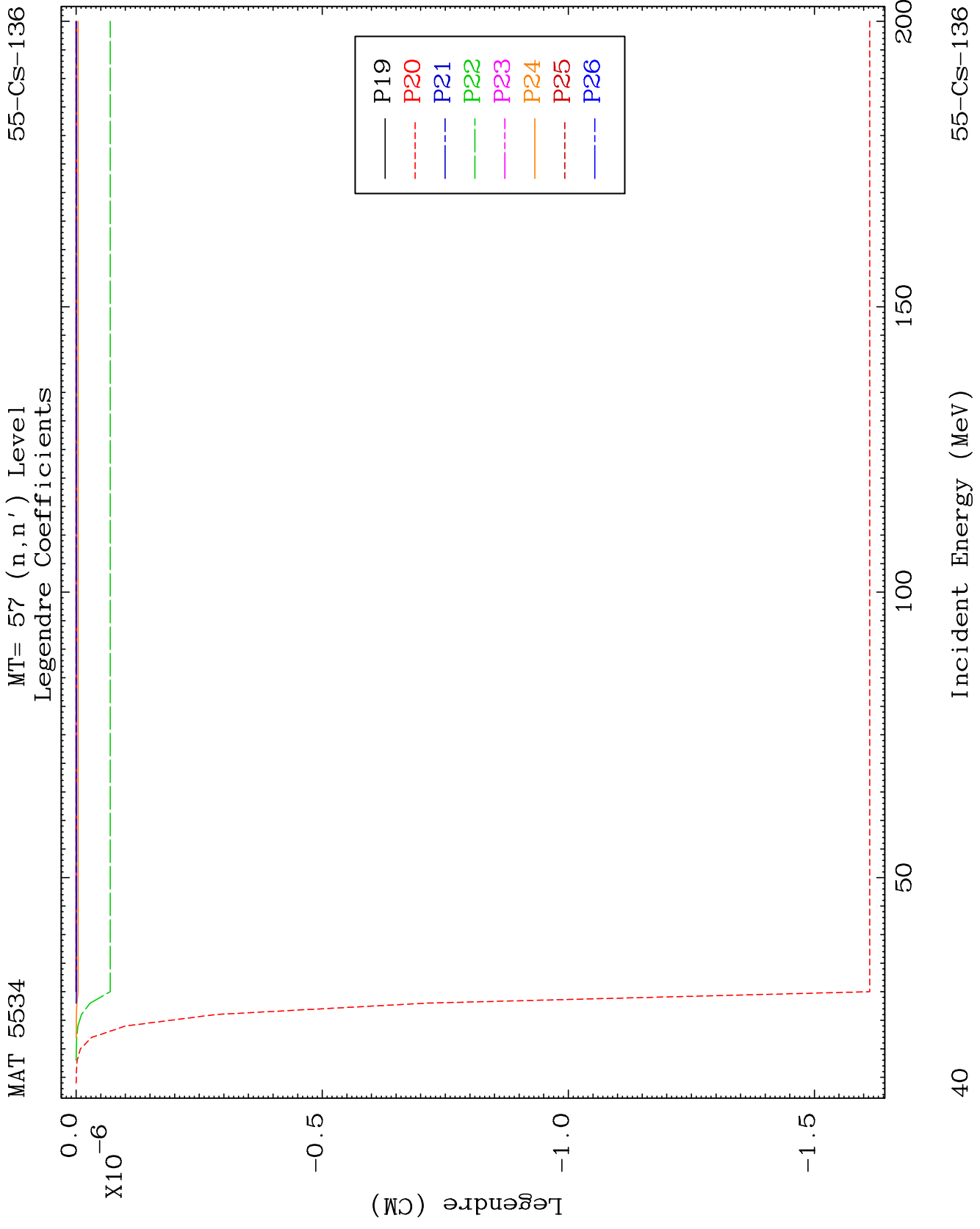
55-Cs-136



39

Incident Energy (MeV)

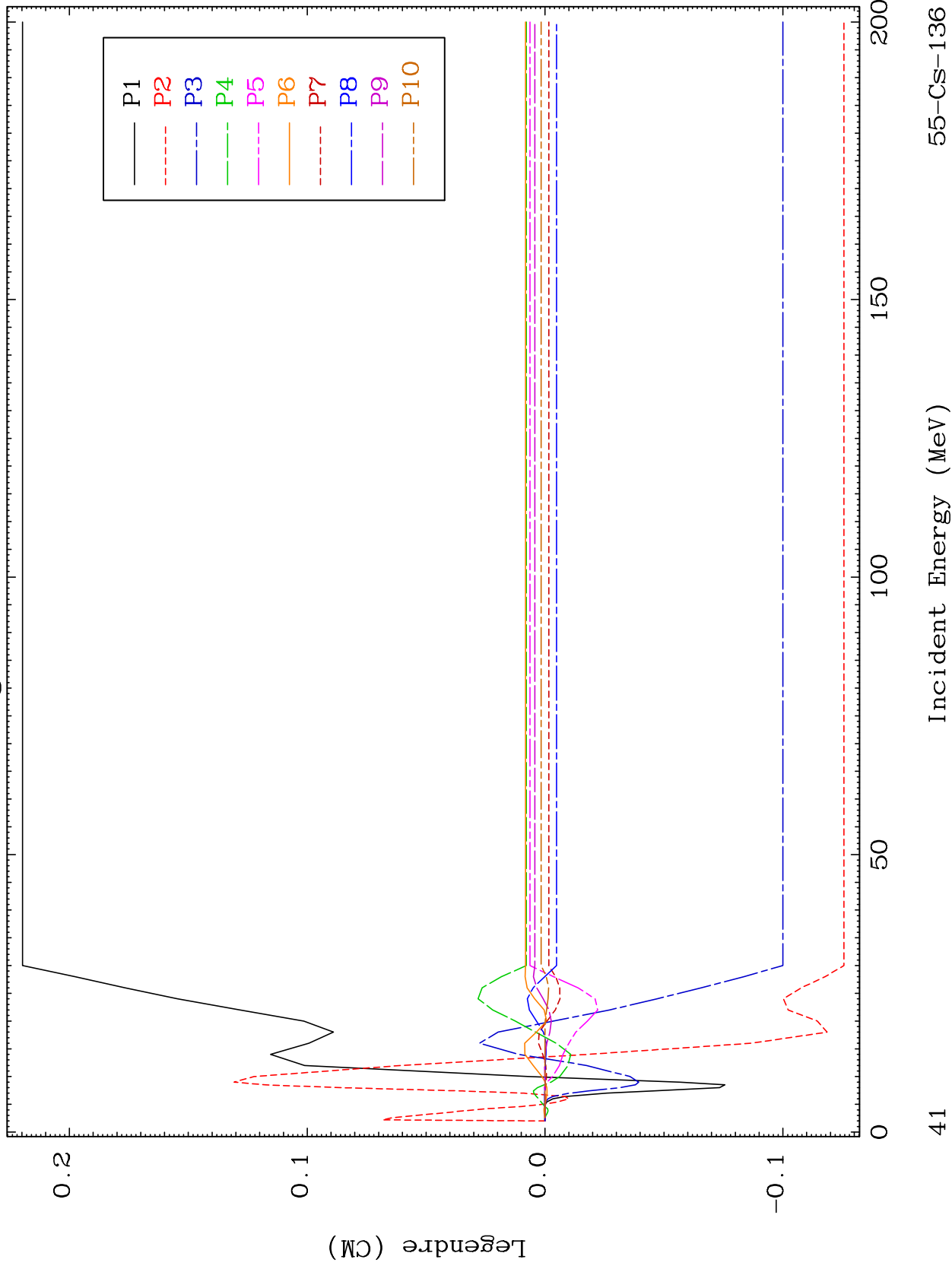
55-Cs-136



MAT 5534

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

55-Cs-136



55-Cs-136

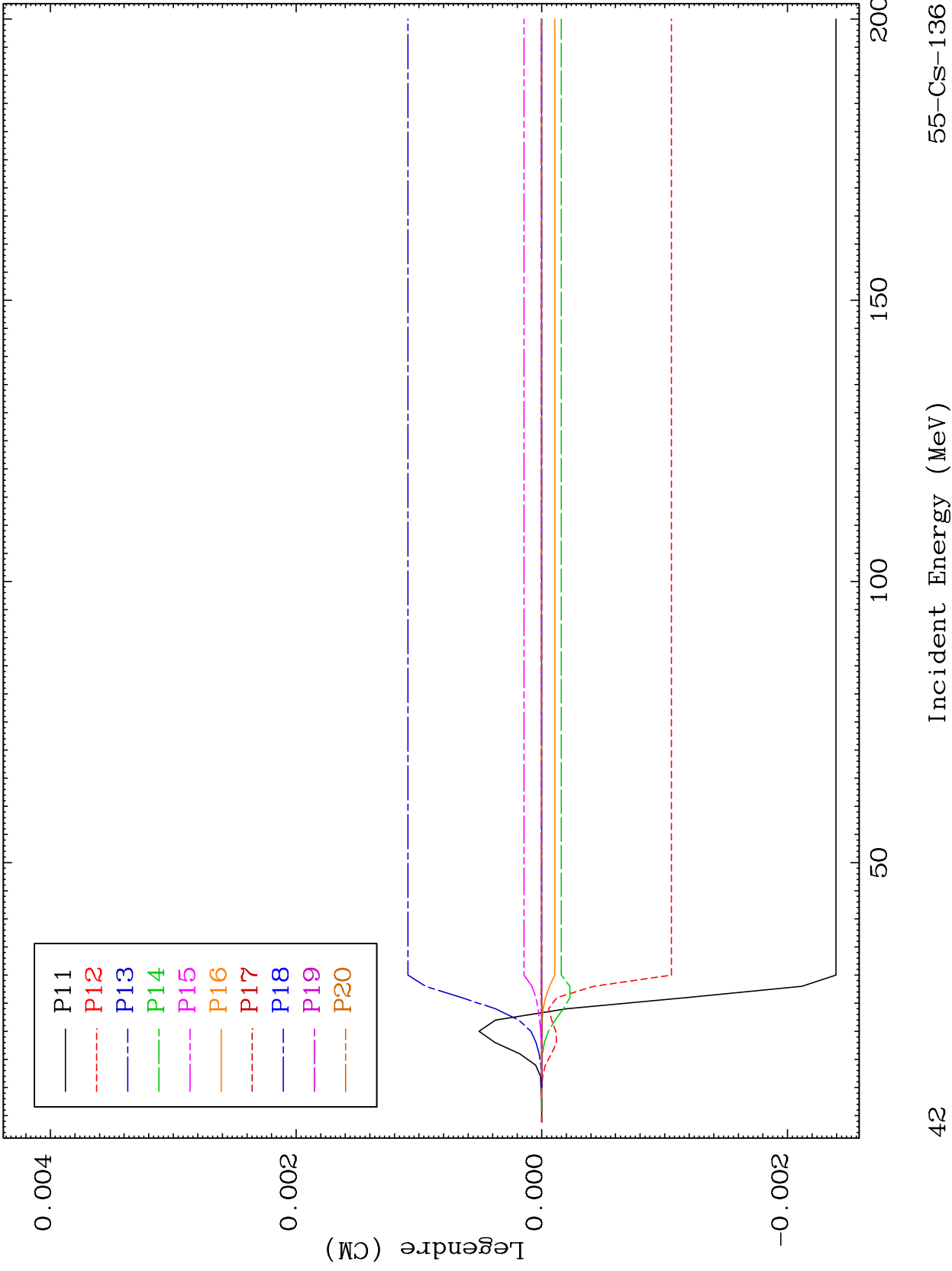
Incident Energy (MeV)

41

MAT 5534

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

55-Cs-136

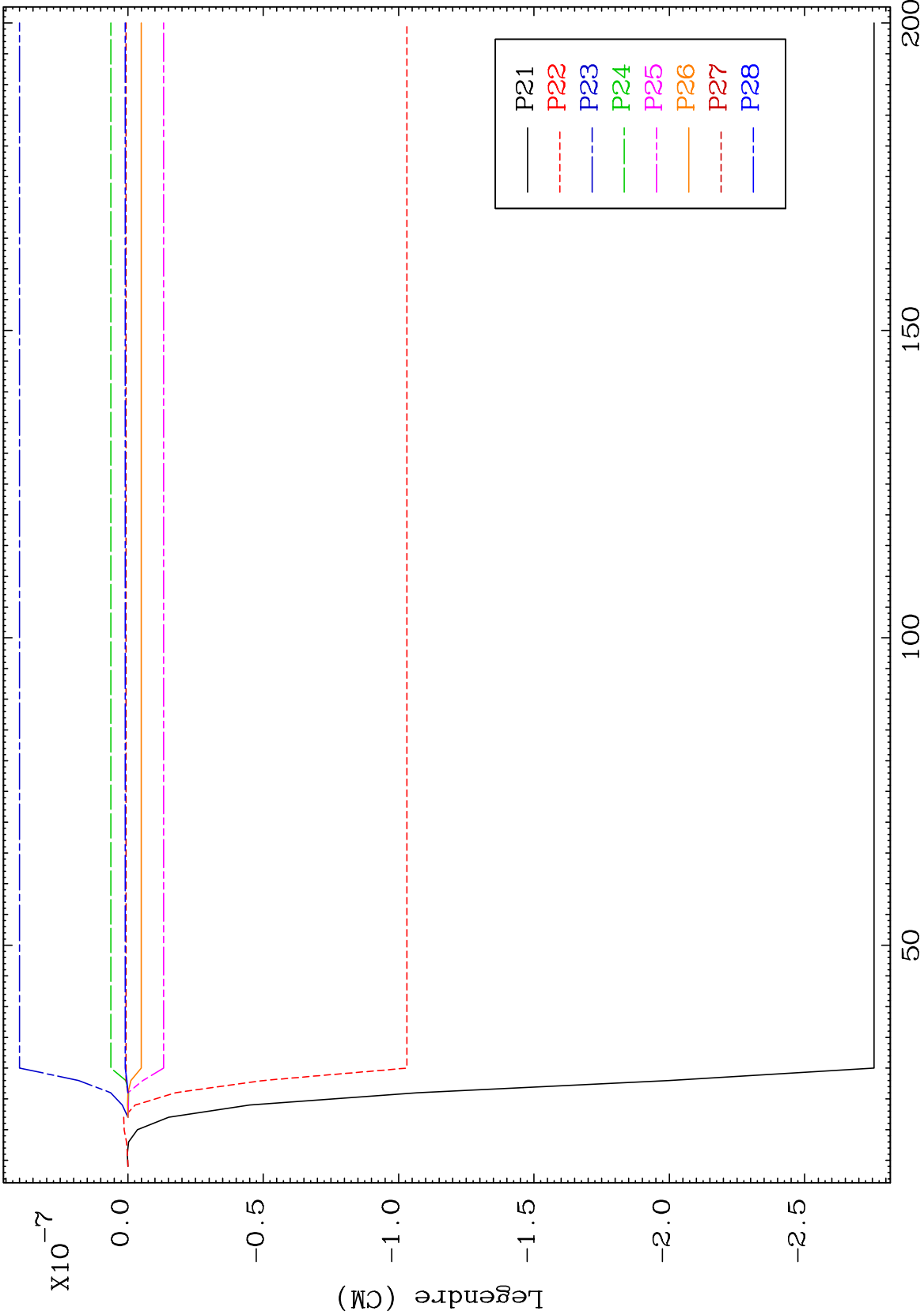


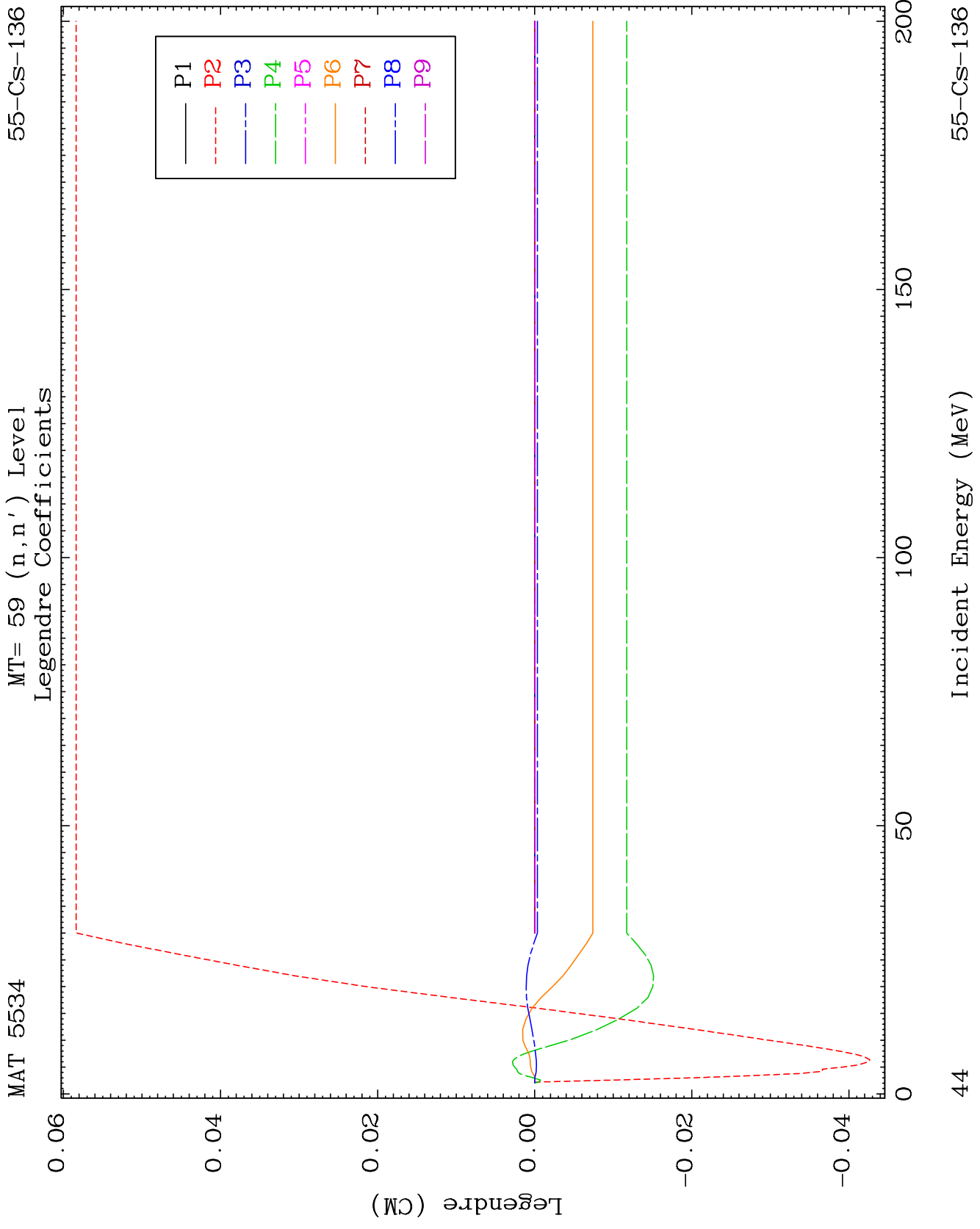
MAT 5534

MT= 58 (n,n') Level

55-Cs-136

Legendre Coefficients

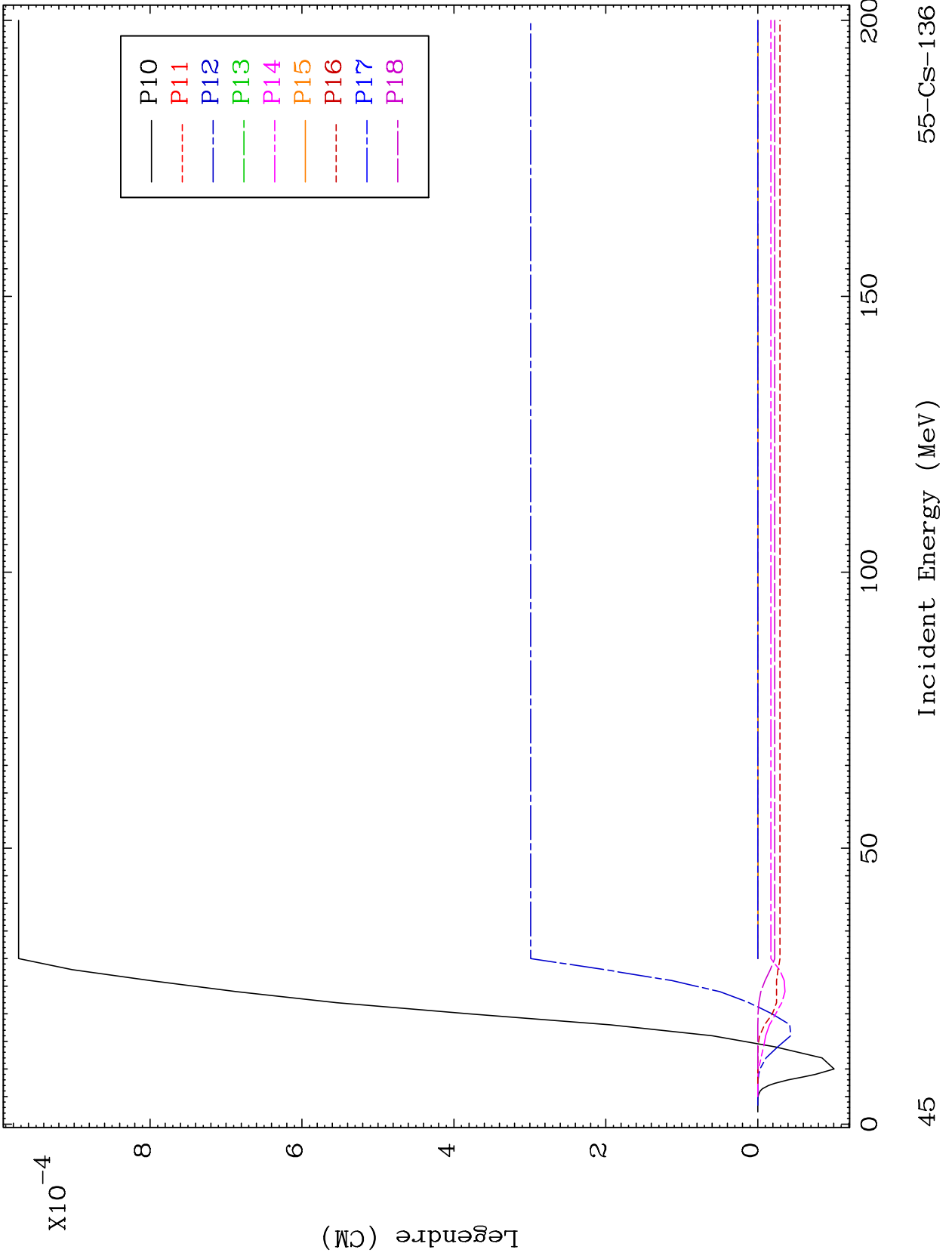




MAT 5534

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

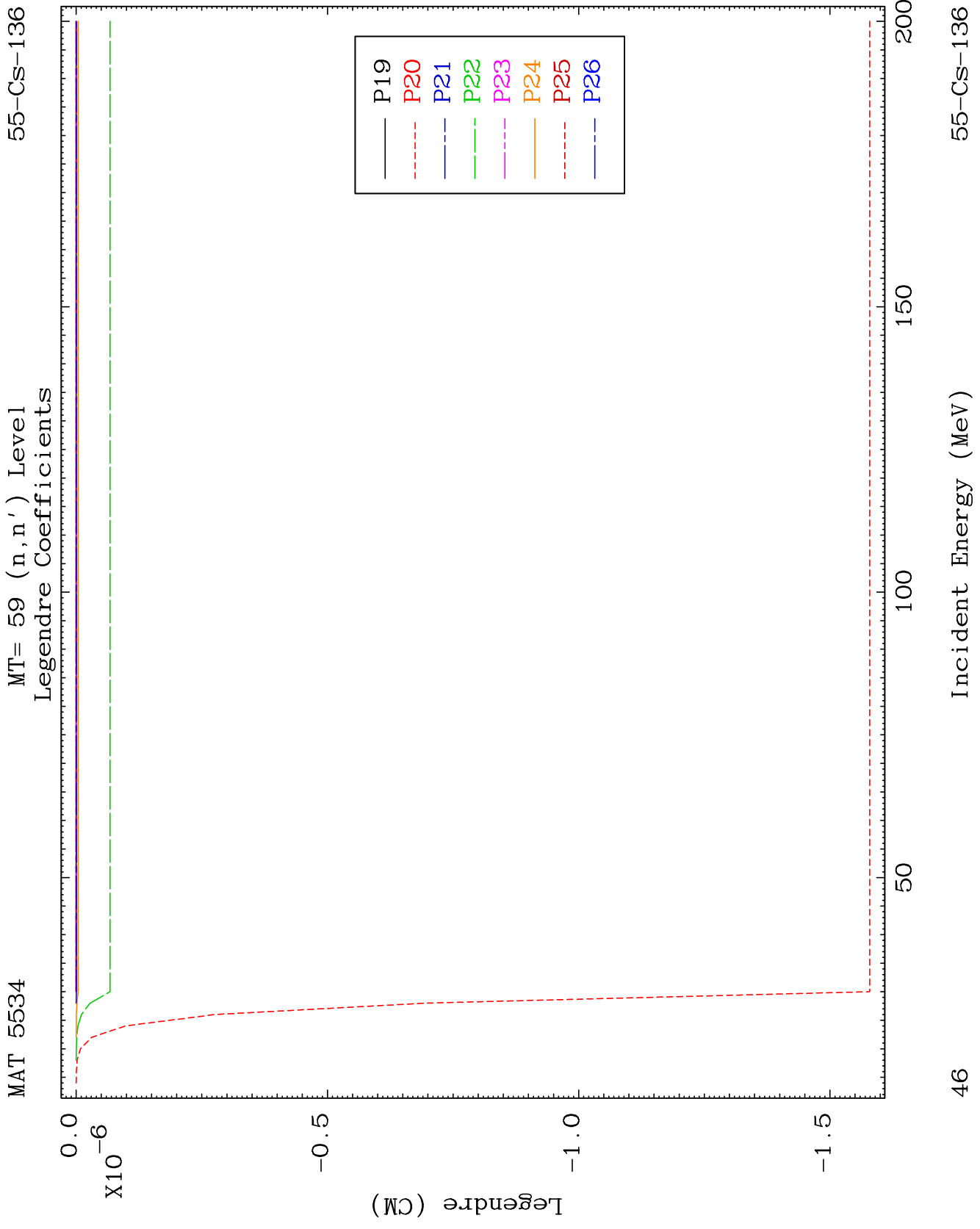
55-Cs-136



55-Cs-136

Incident Energy (MeV)

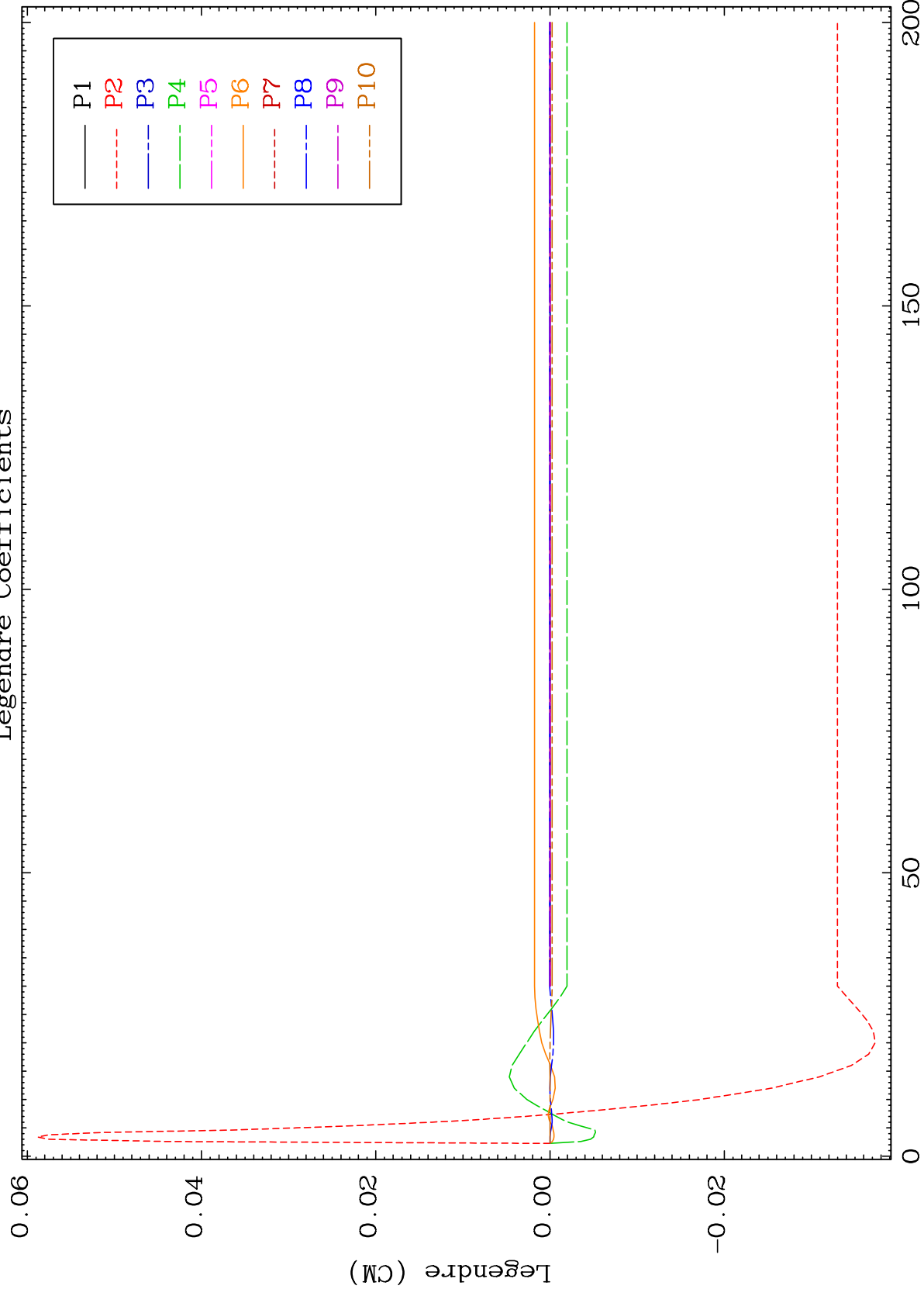
45



MAT 5534

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

55-Cs-136



47

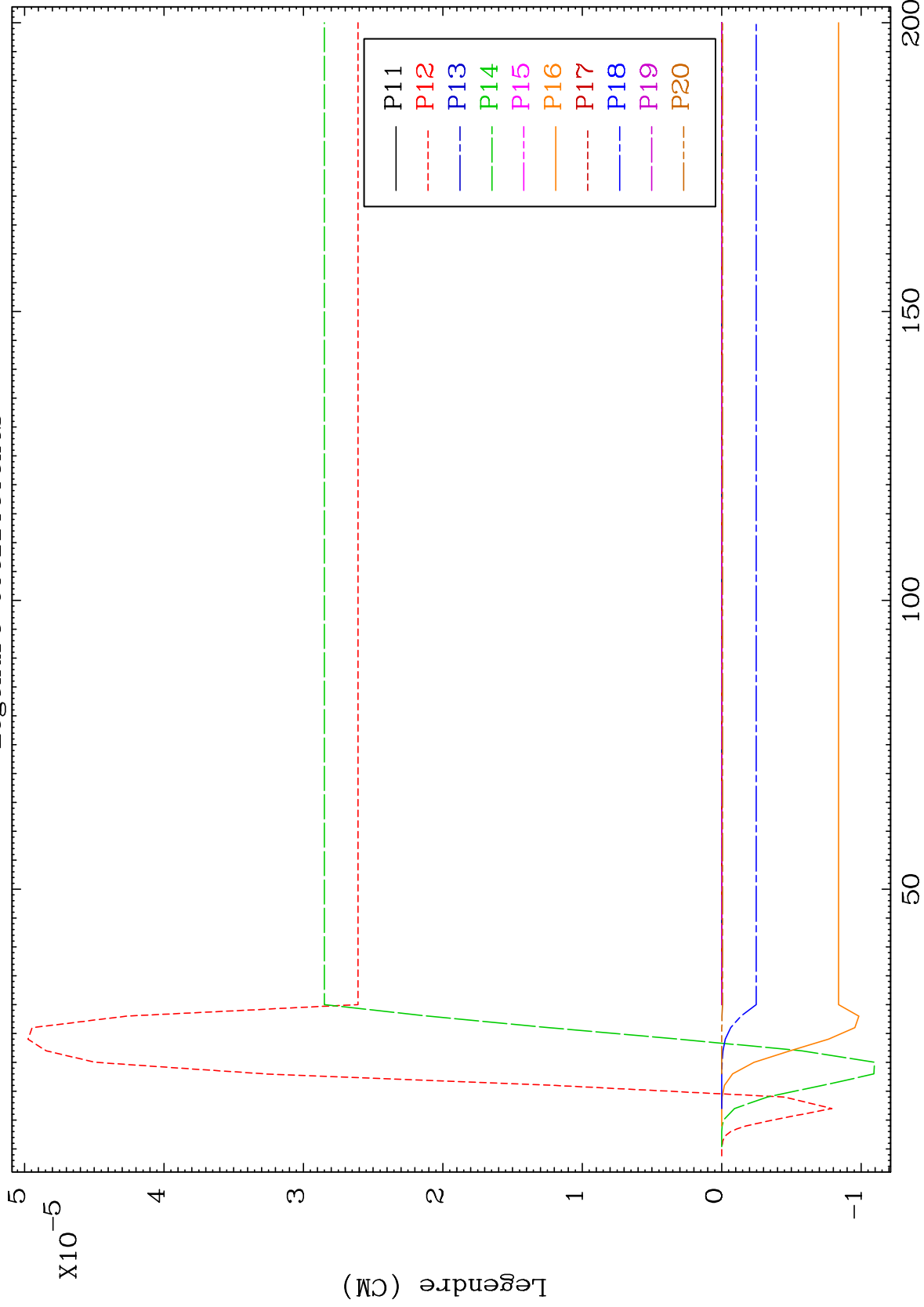
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



48

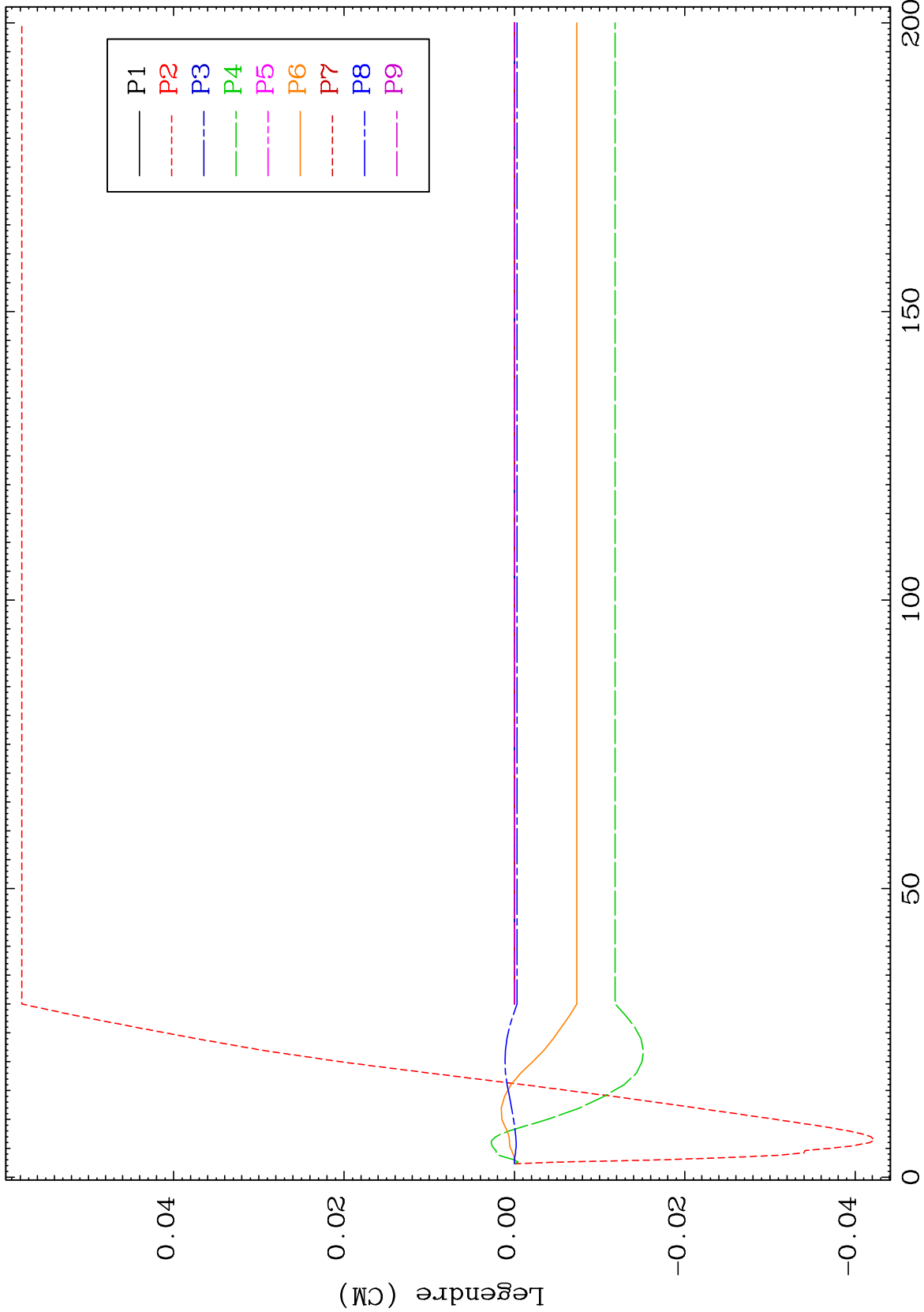
Incident Energy (MeV)

55-Cs-136

MAT 5534

MT= 61 (n,n') Level
Legendre Coefficients

55-Cs-136



49

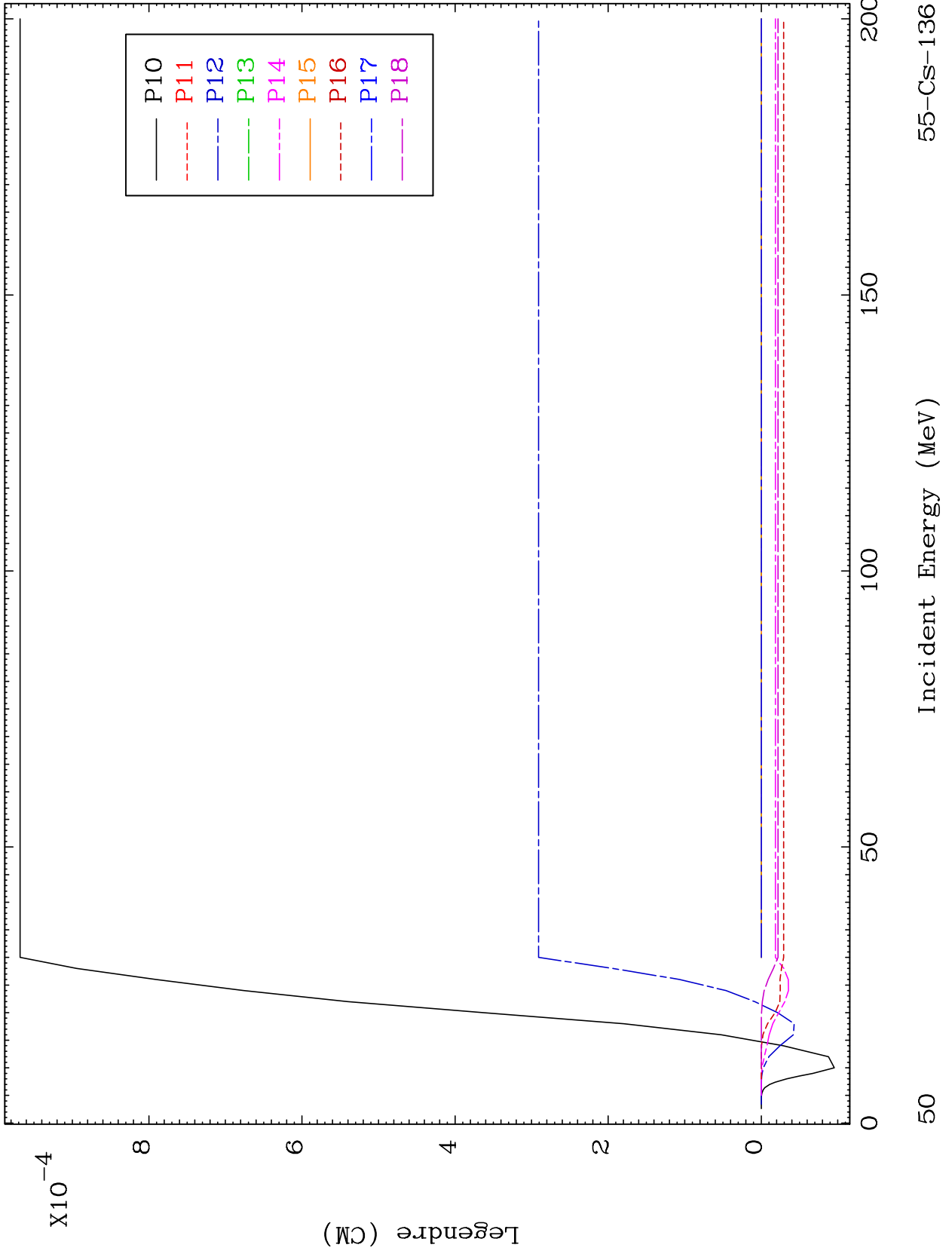
Incident Energy (MeV)

55-Cs-136

MAT 5534

MT= 61 (n,n') Level
Legendre Coefficients

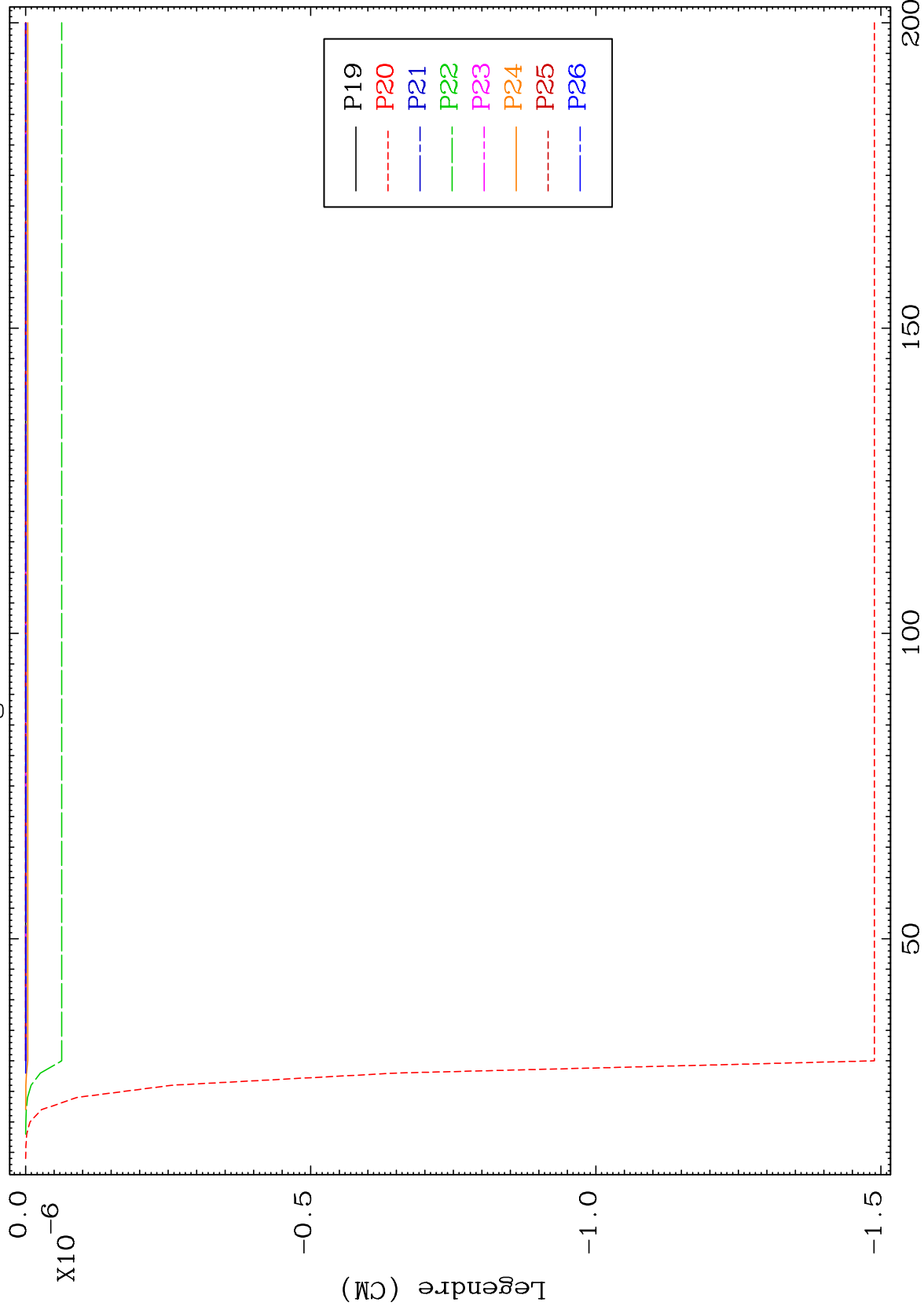
55-Cs-136



MAT 5534

MT= 61 (n,n') Level
Legendre Coefficients

55-Cs-136



55-Cs-136

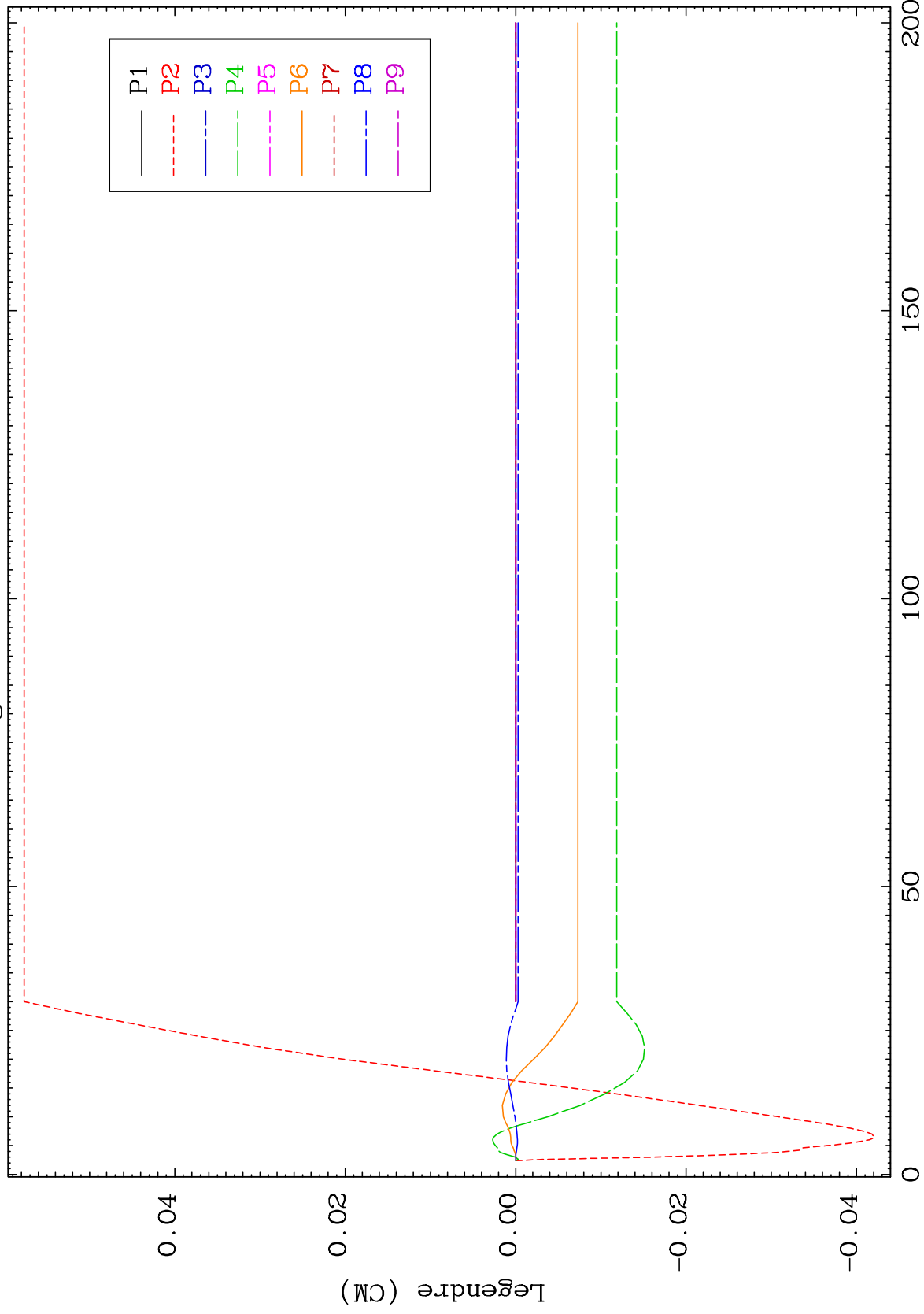
Incident Energy (MeV)

51

MAT 5534

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

55-Cs-136



52

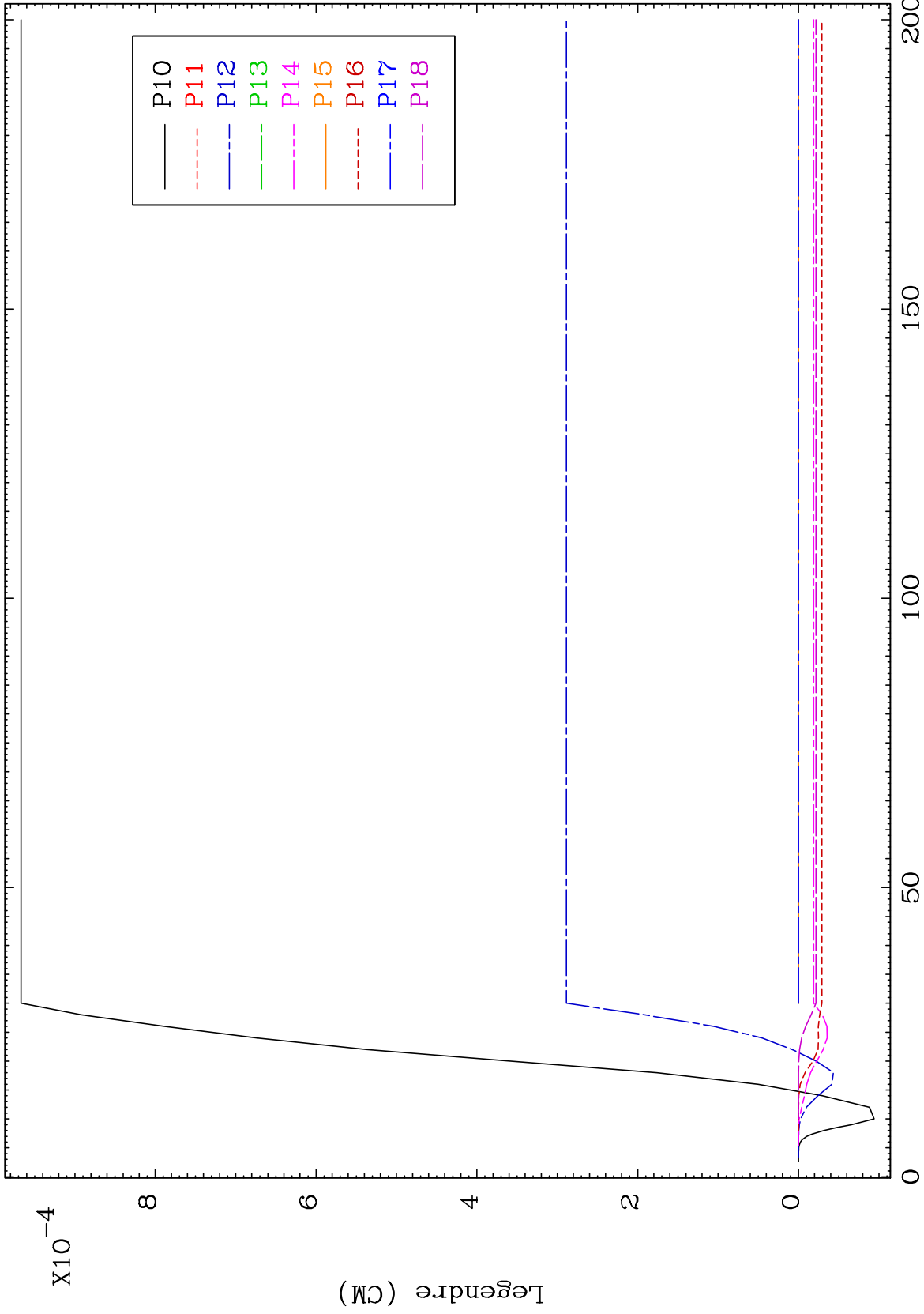
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

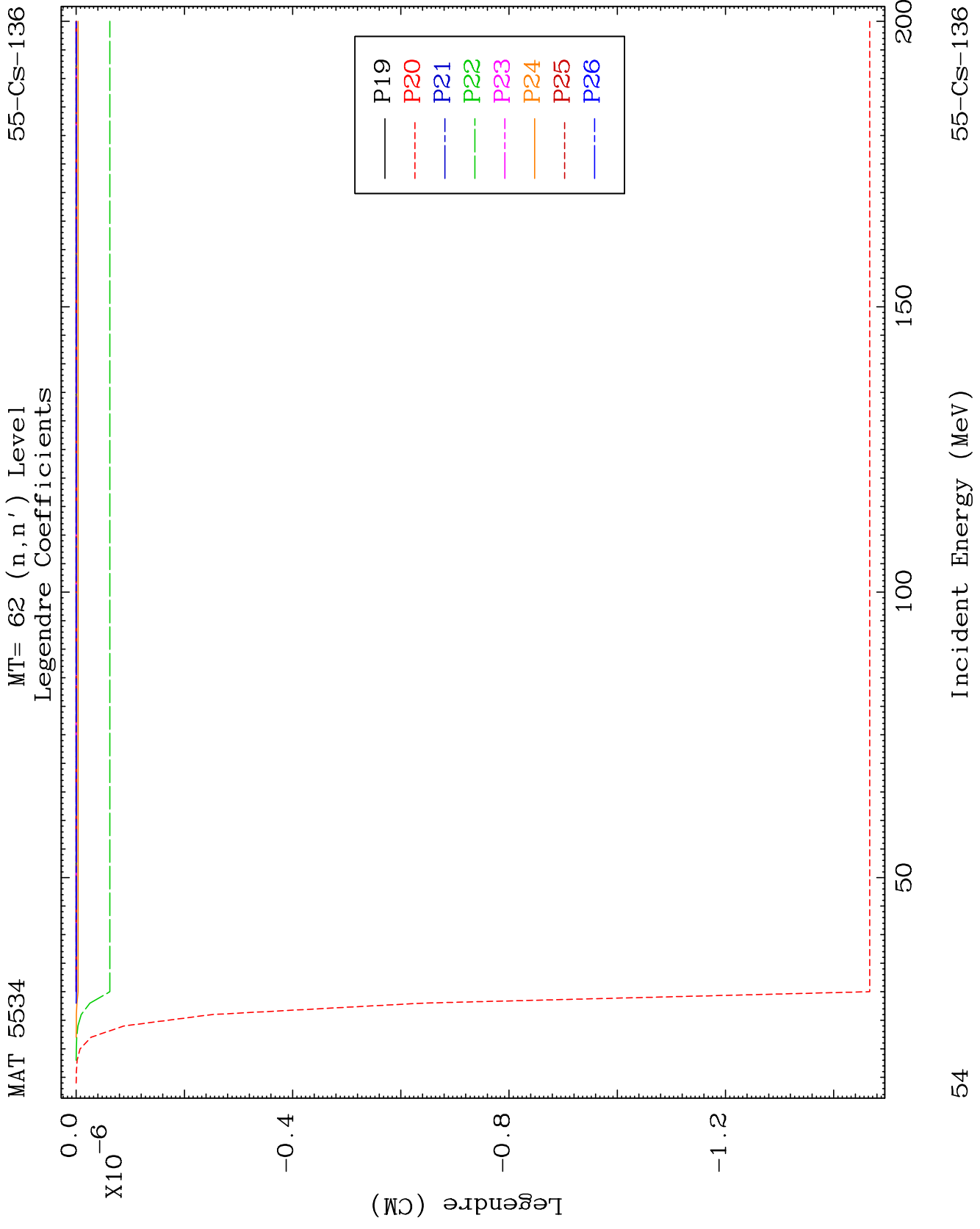
55-Cs-136



53

Incident Energy (MeV)

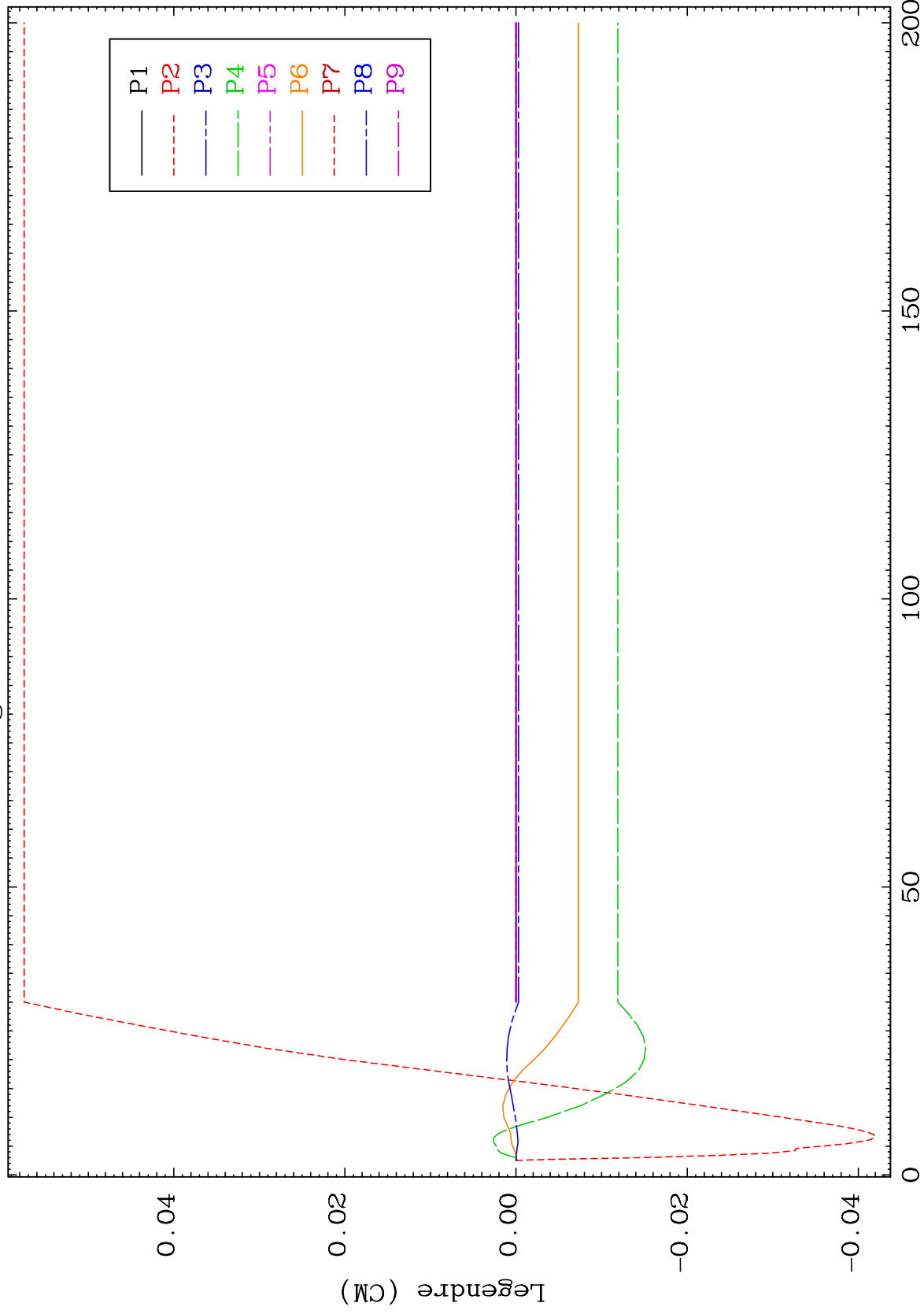
55-Cs-136



MAT 5534

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

55-Cs-136



55

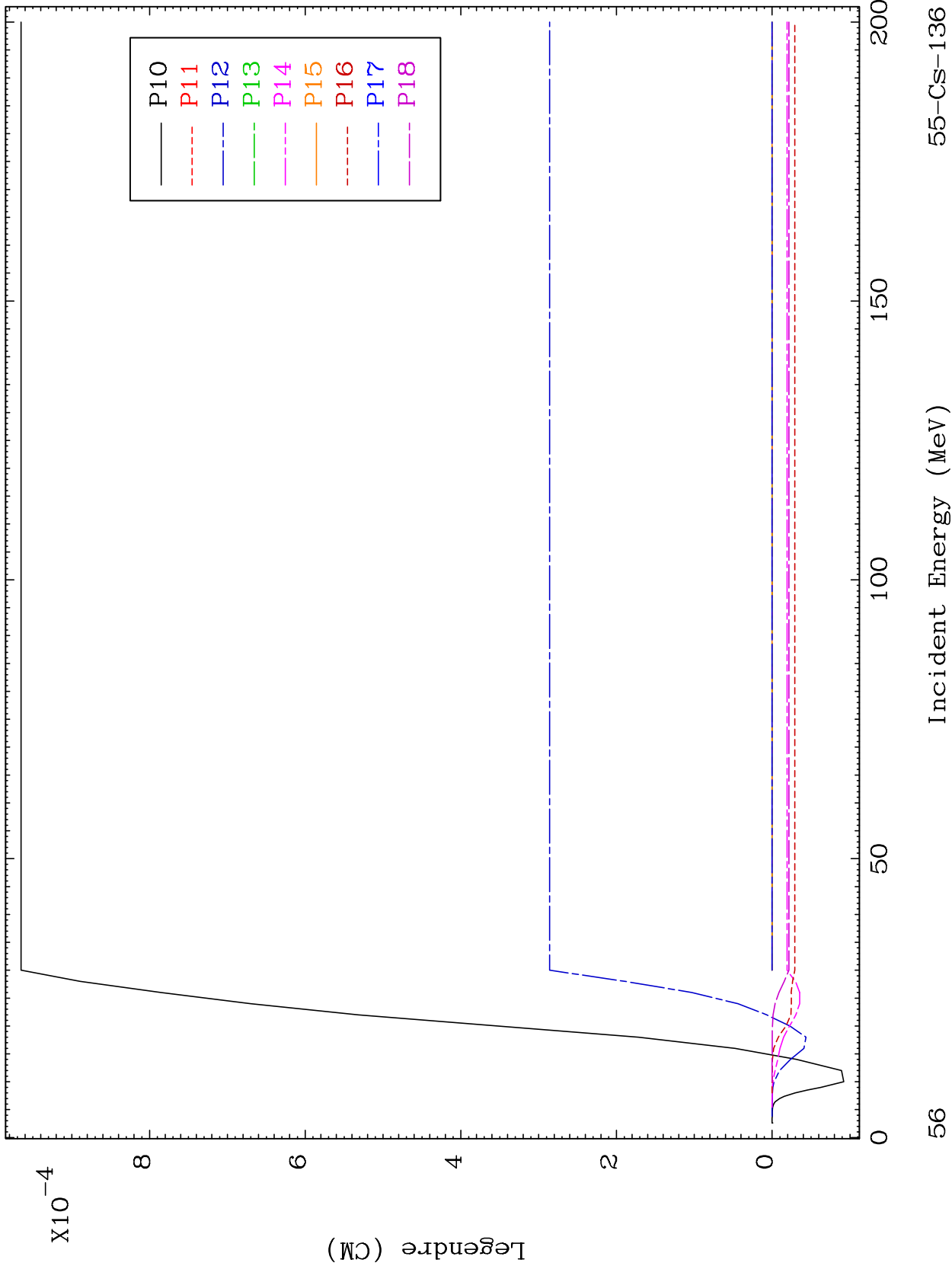
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

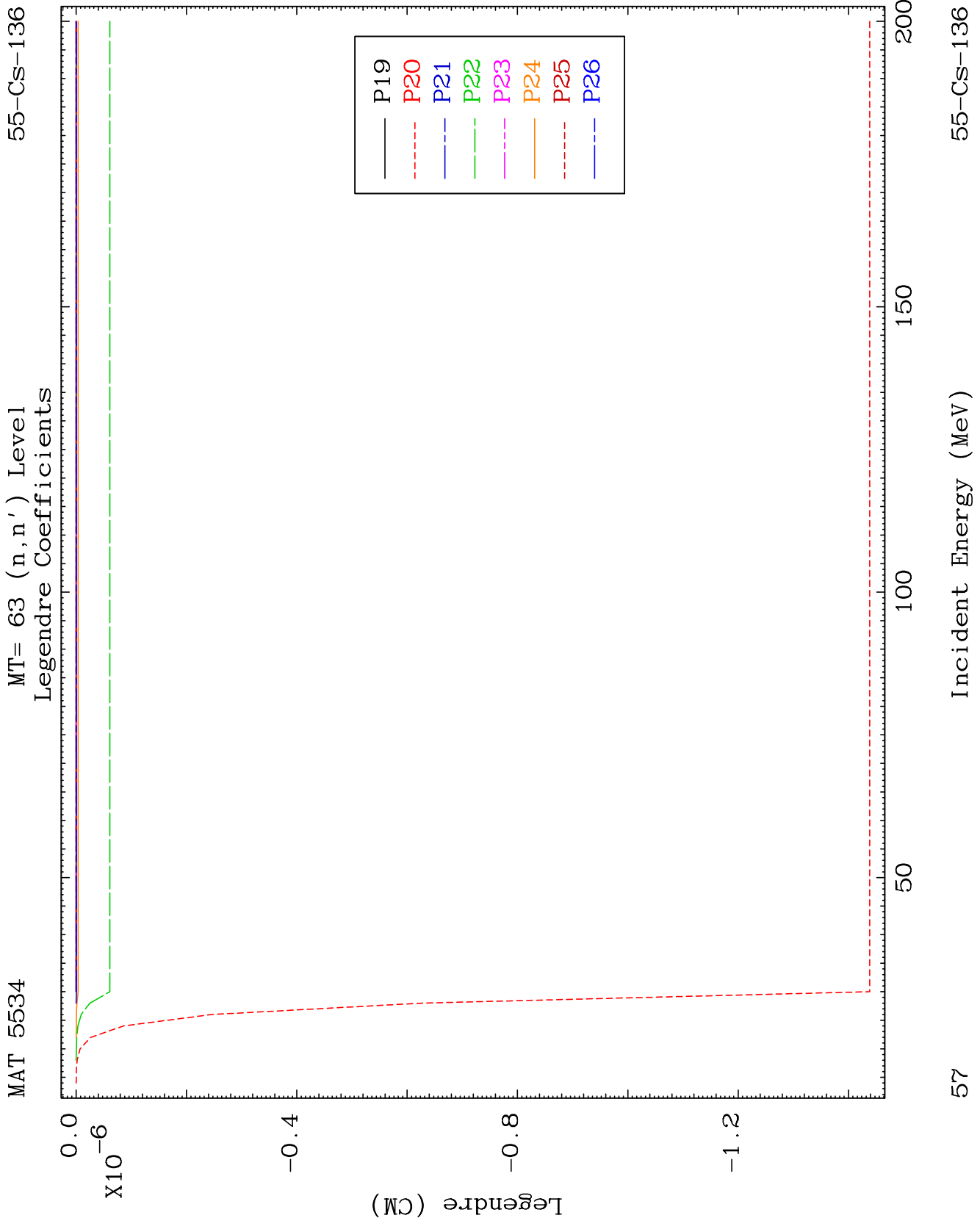
55-Cs-136



55-Cs-136

Incident Energy (MeV)

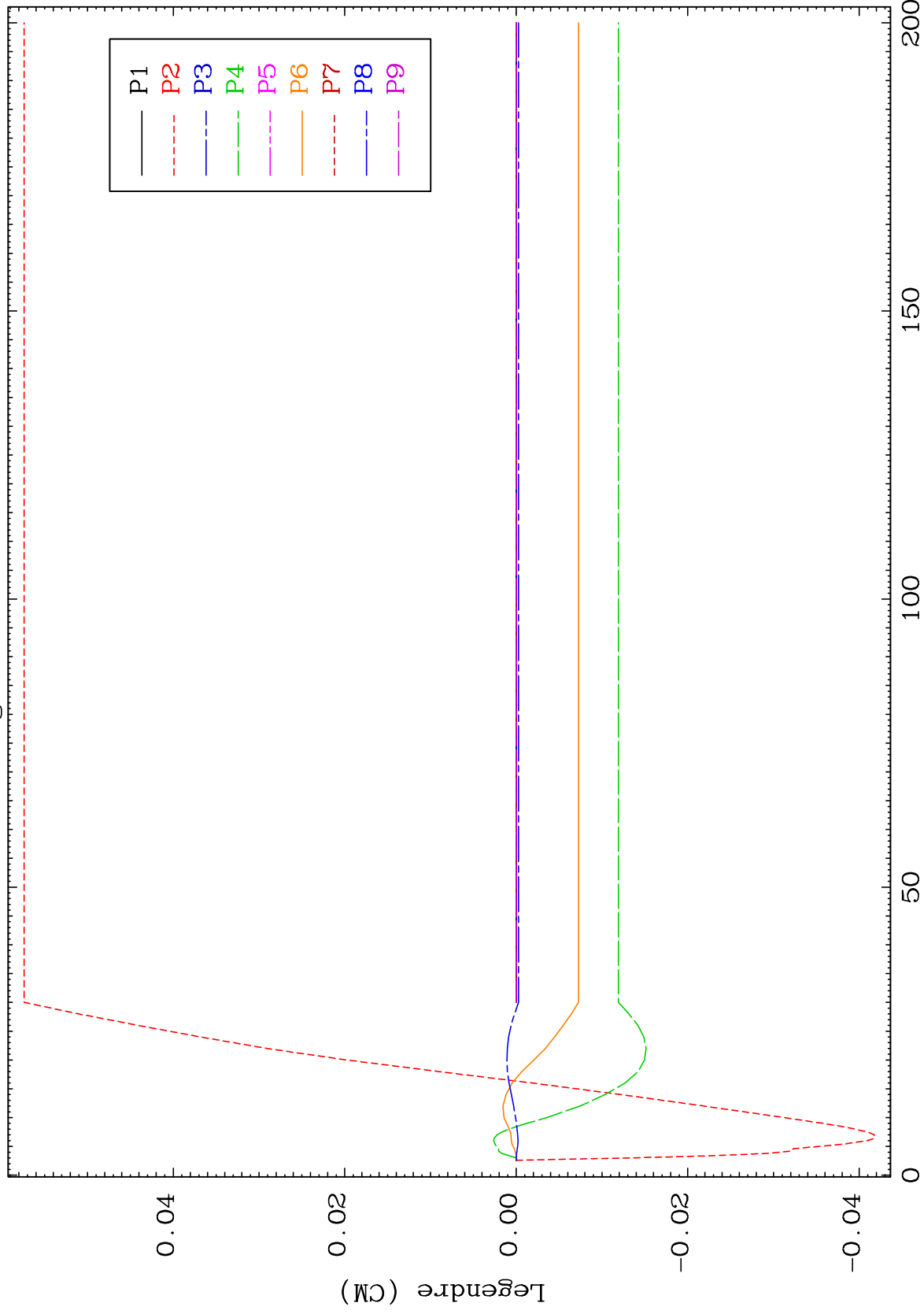
56



MAT 5534

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

55-Cs-136



58

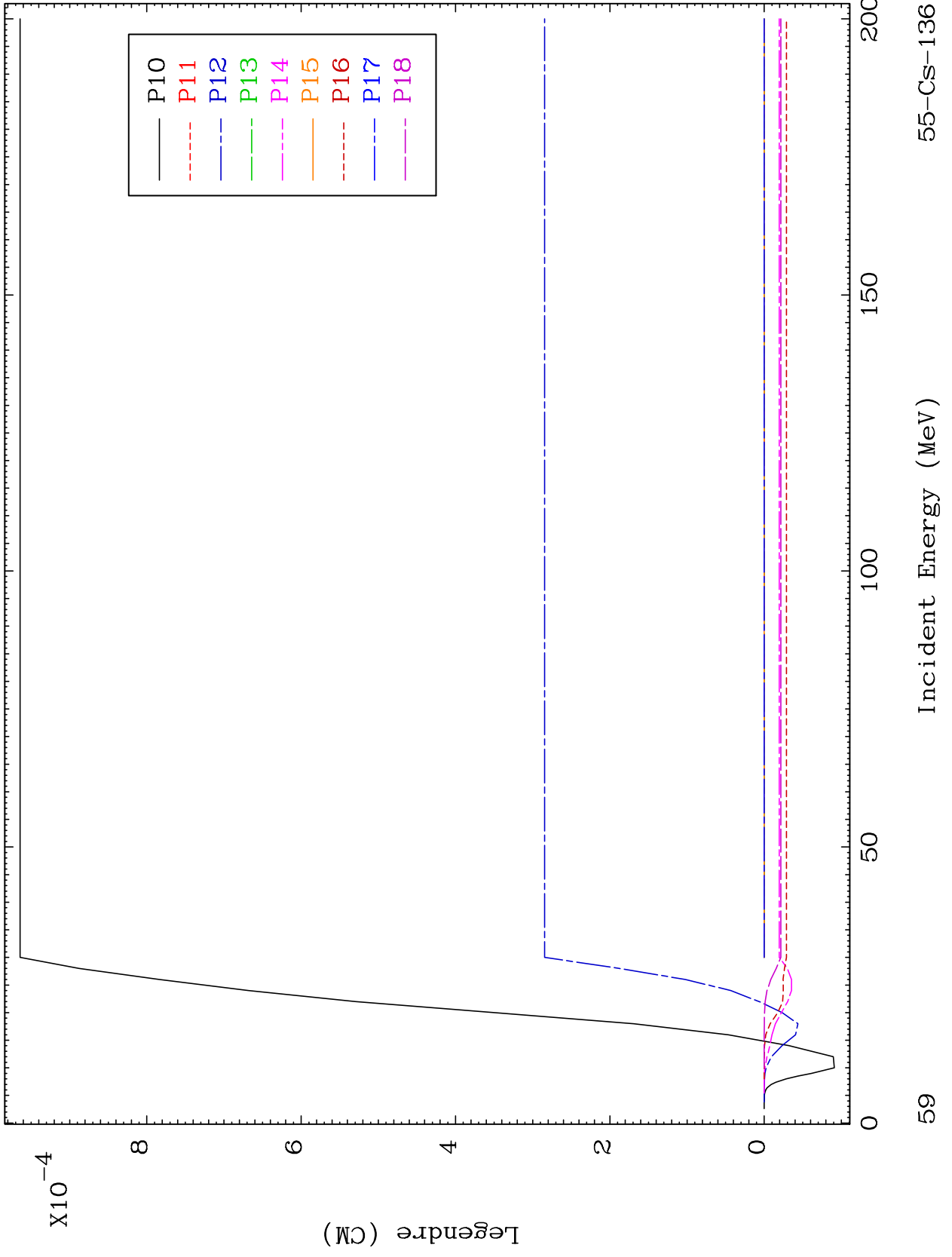
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

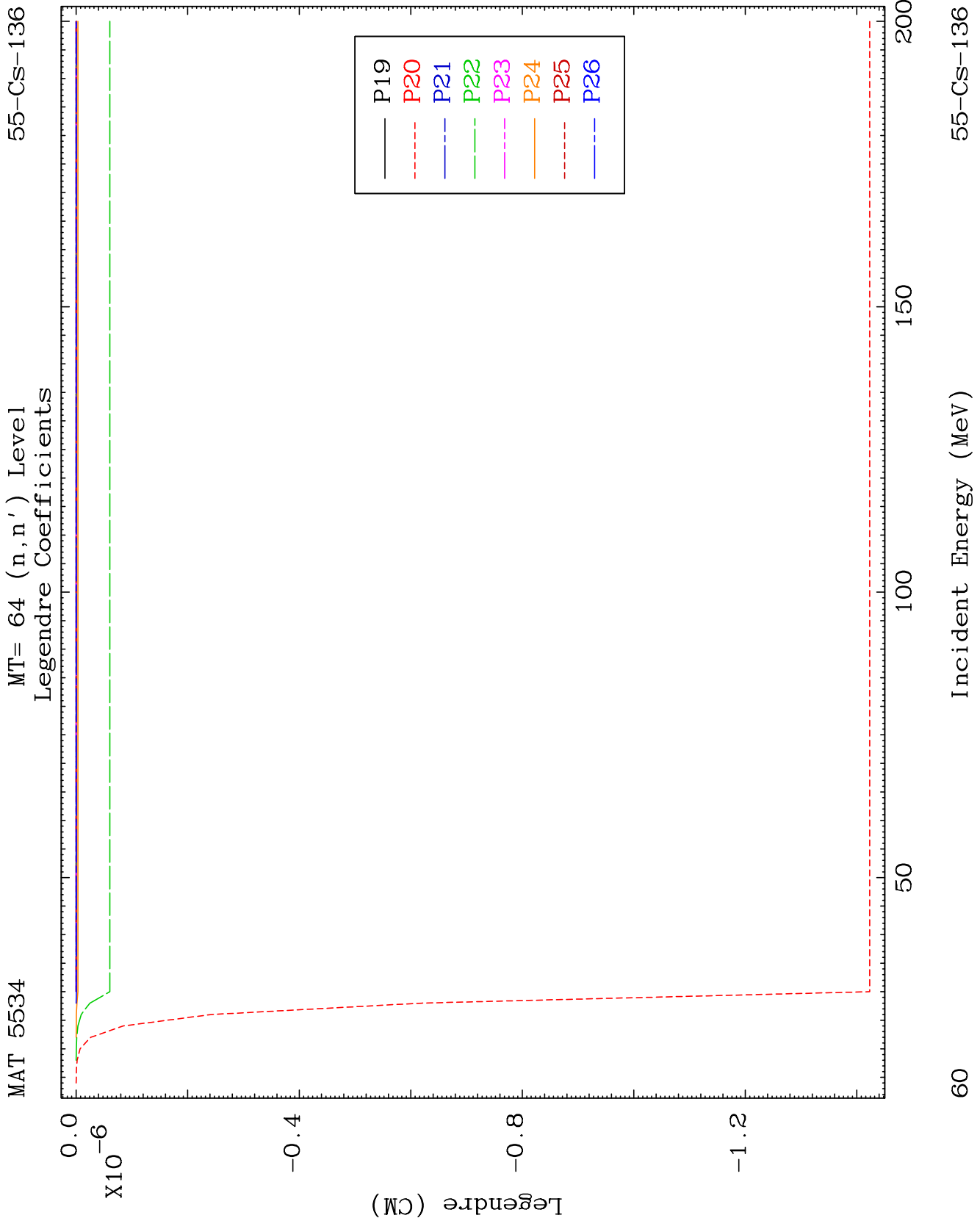
55-Cs-136



55-Cs-136

Incident Energy (MeV)

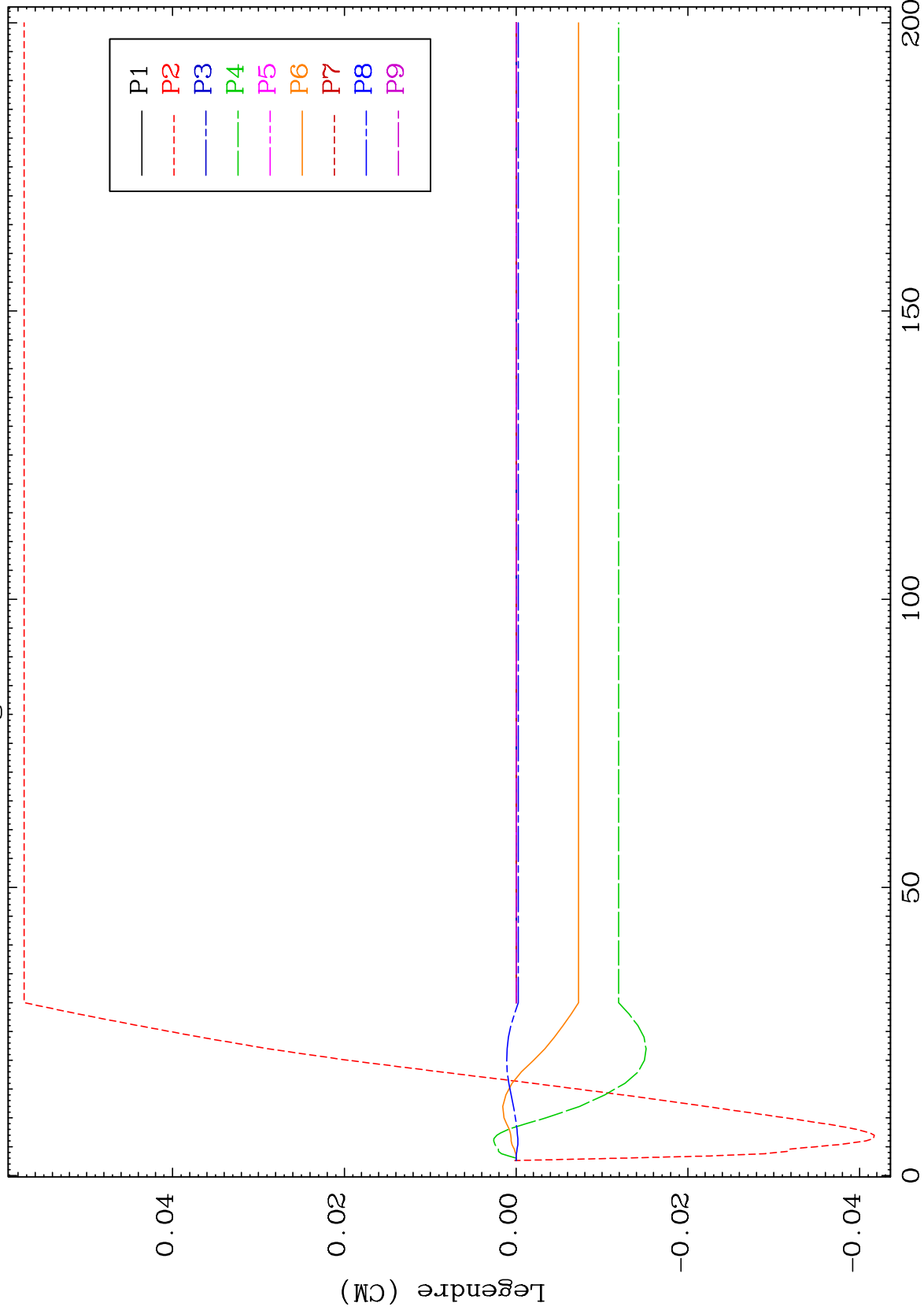
59



MAT 5534

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

55-Cs-136



61

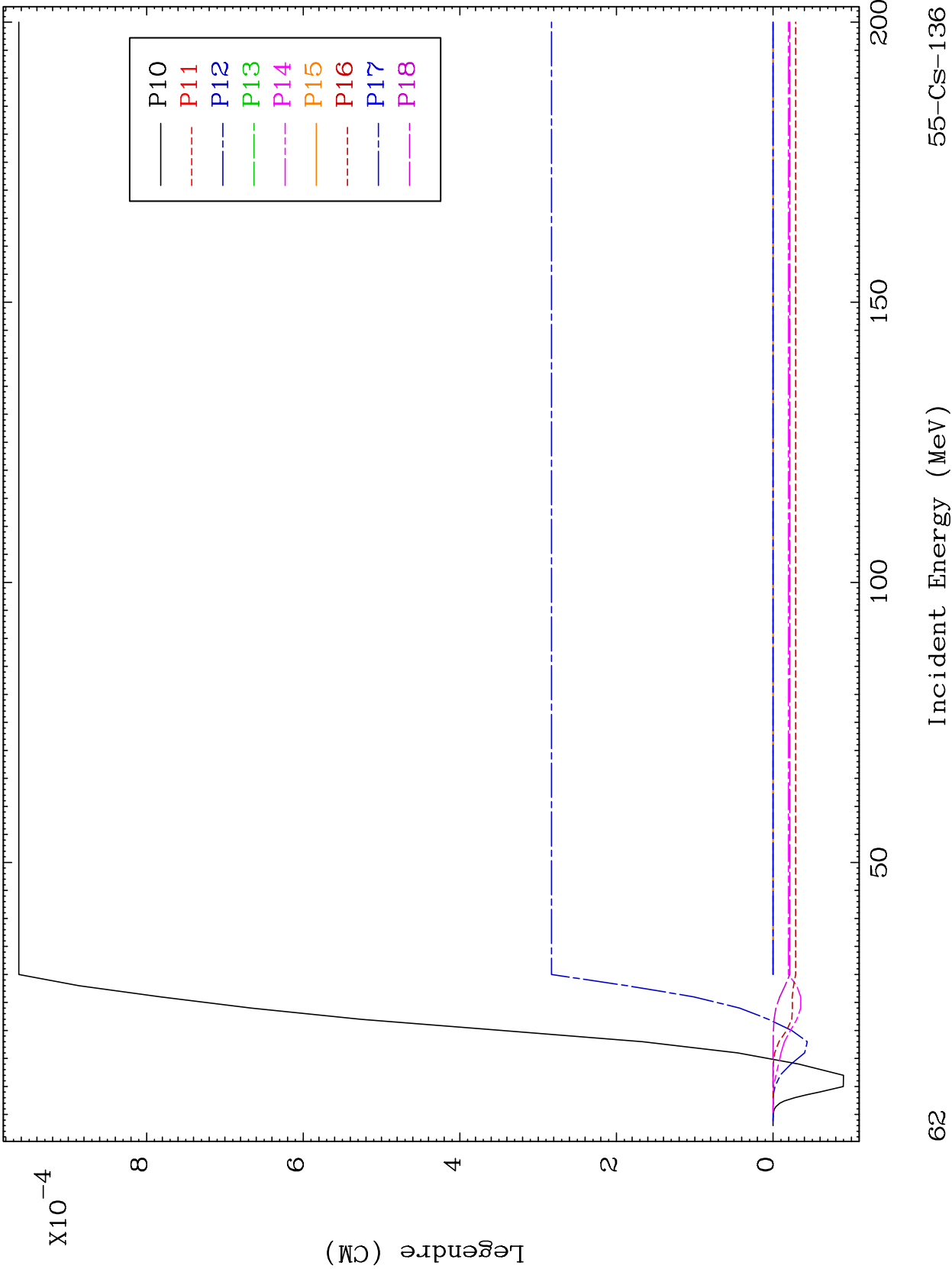
Incident Energy (MeV)

55-Cs-136

MAT 5534

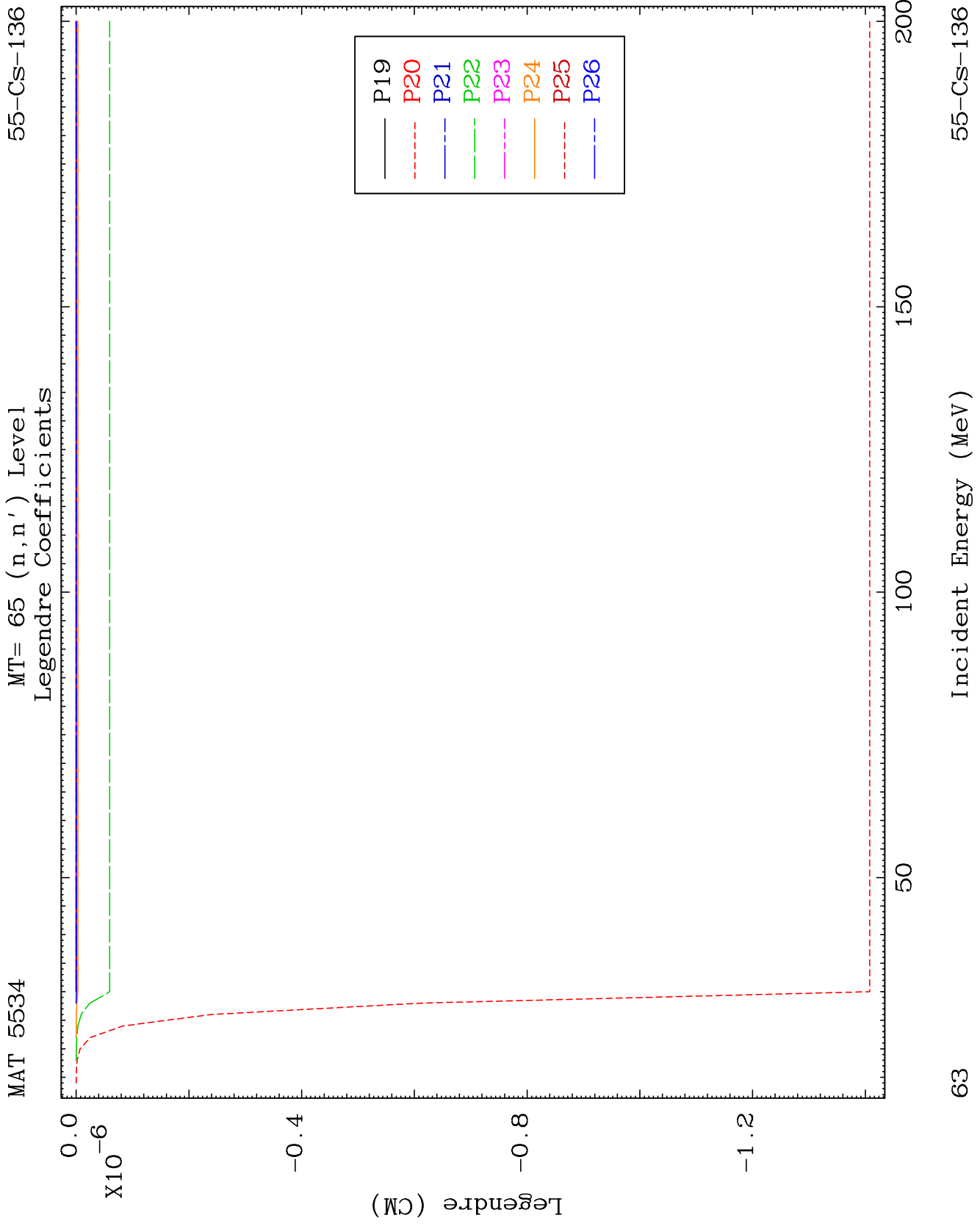
MT= 65 (n,n') Level
Legendre Coefficients

55-Cs-136



62

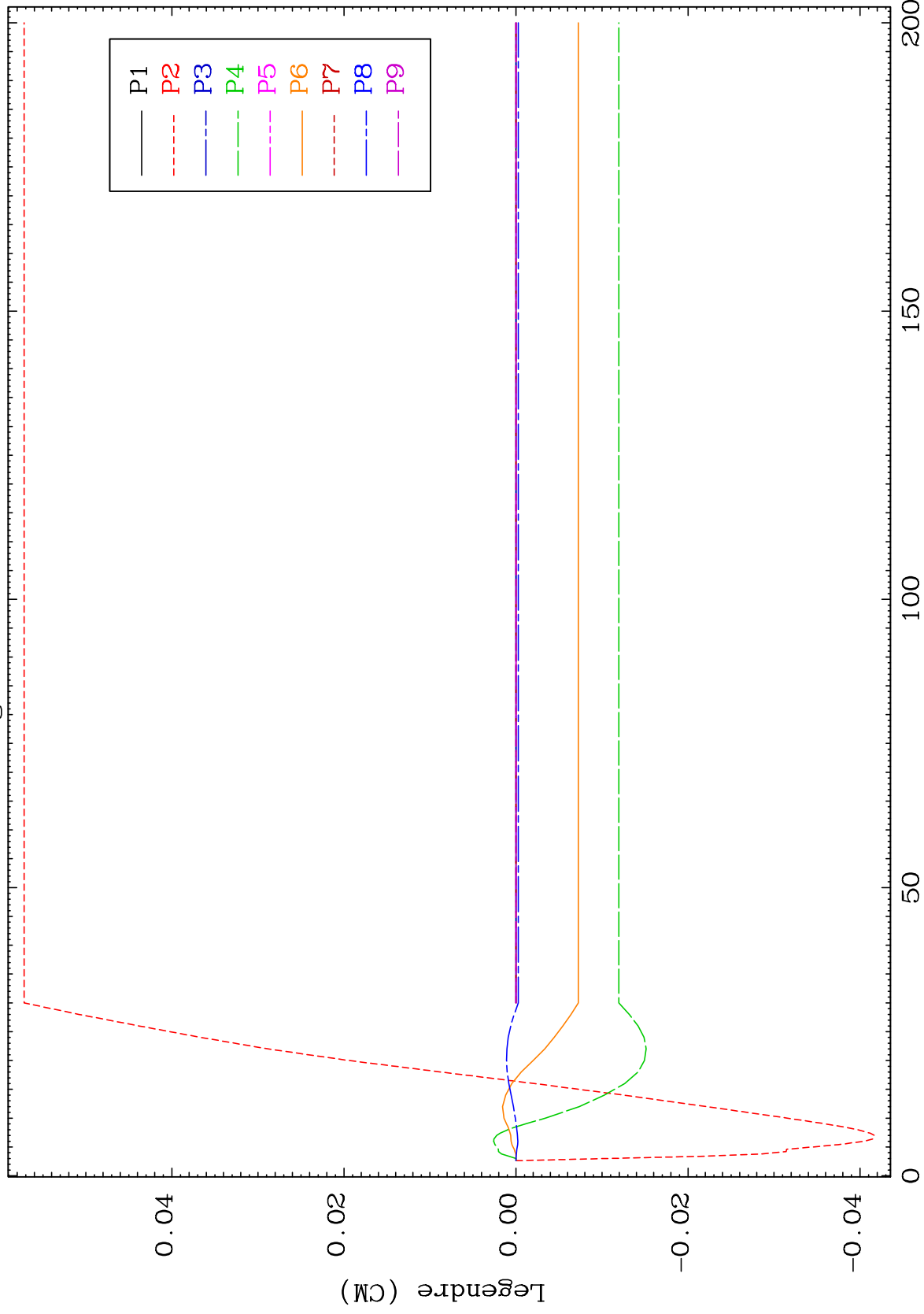
55-Cs-136



MAT 5534

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

55-Cs-136



64

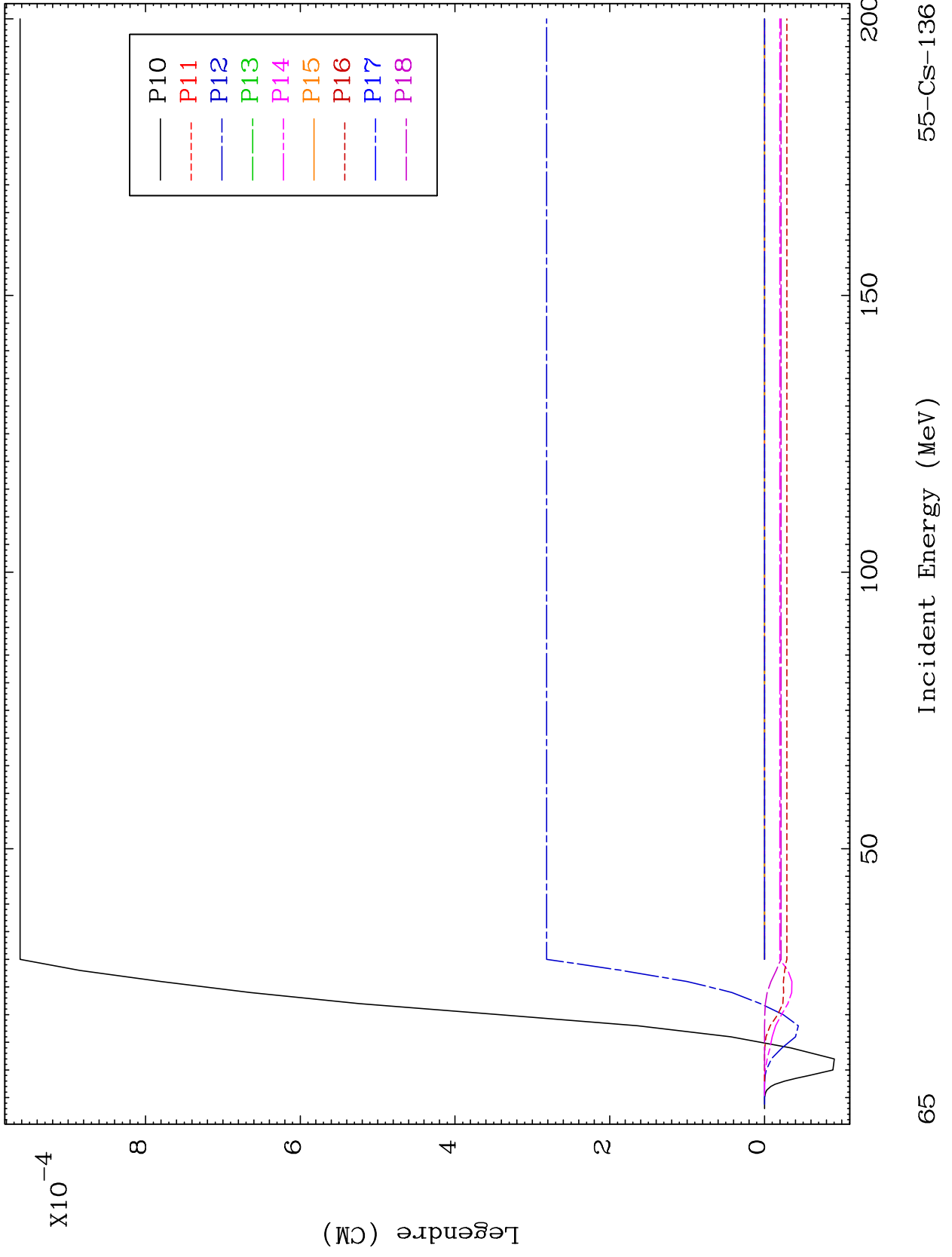
Incident Energy (MeV)

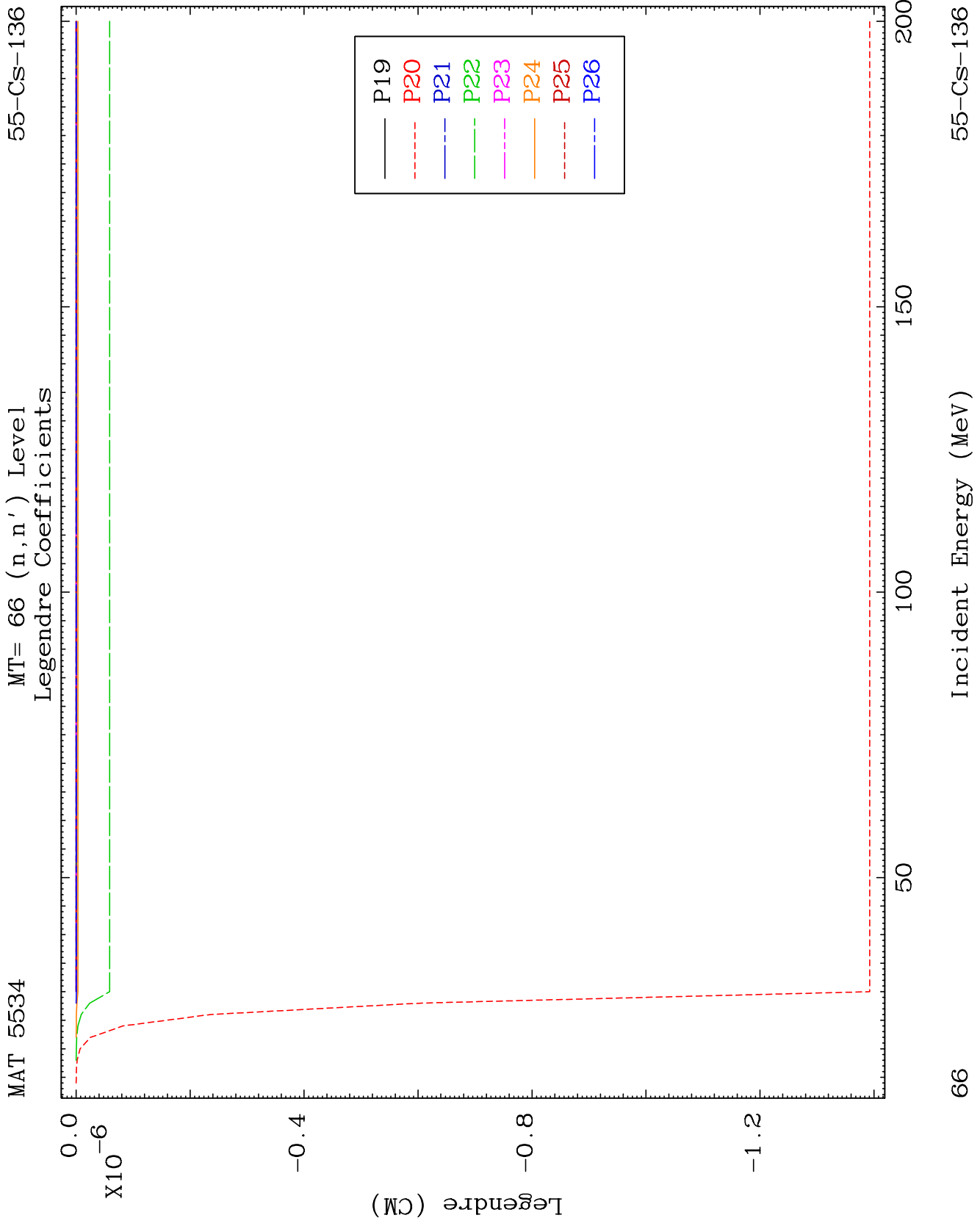
55-Cs-136

MAT 5534

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

55-Cs-136

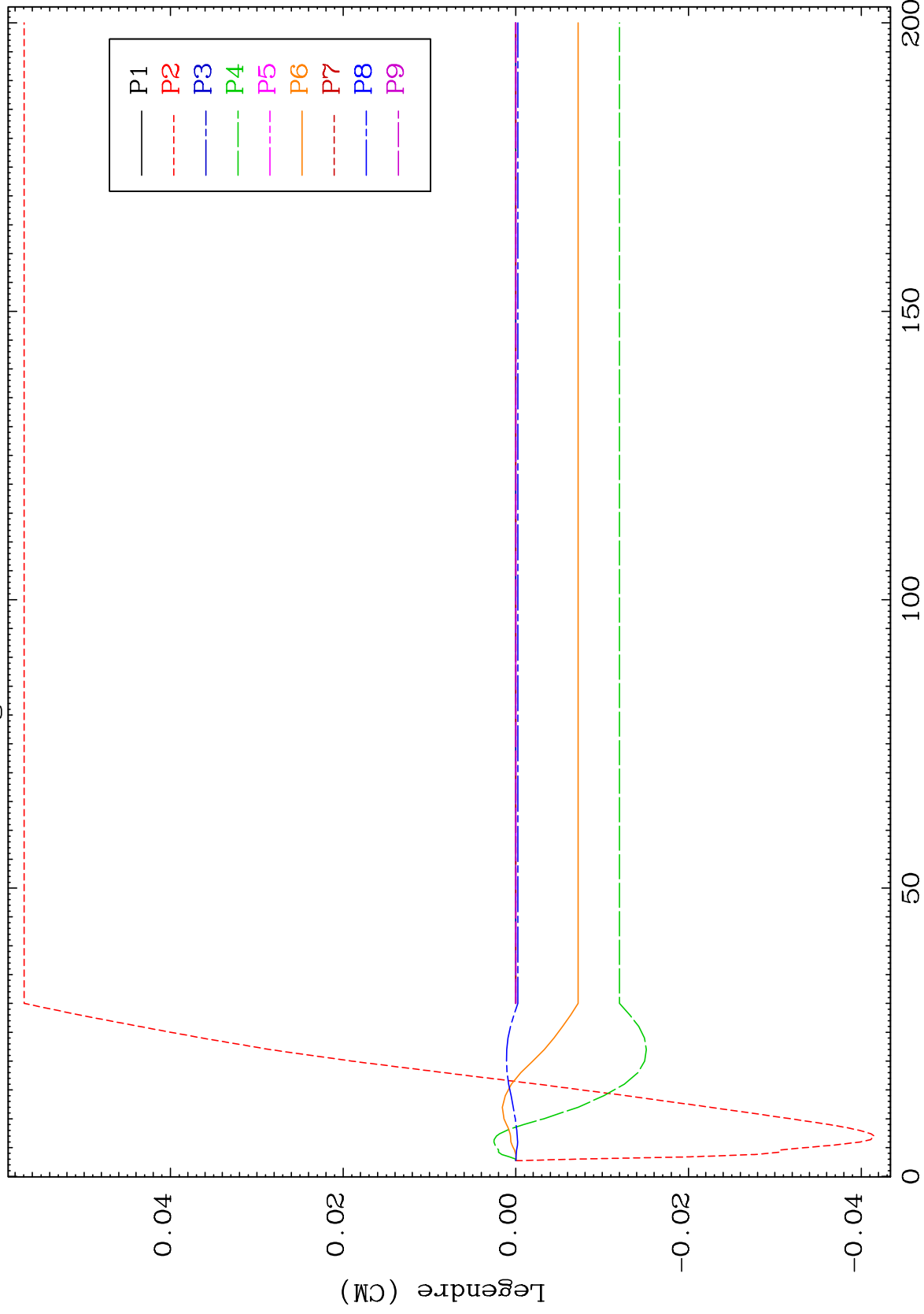




MAT 5534

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

55-Cs-136



55-Cs-136

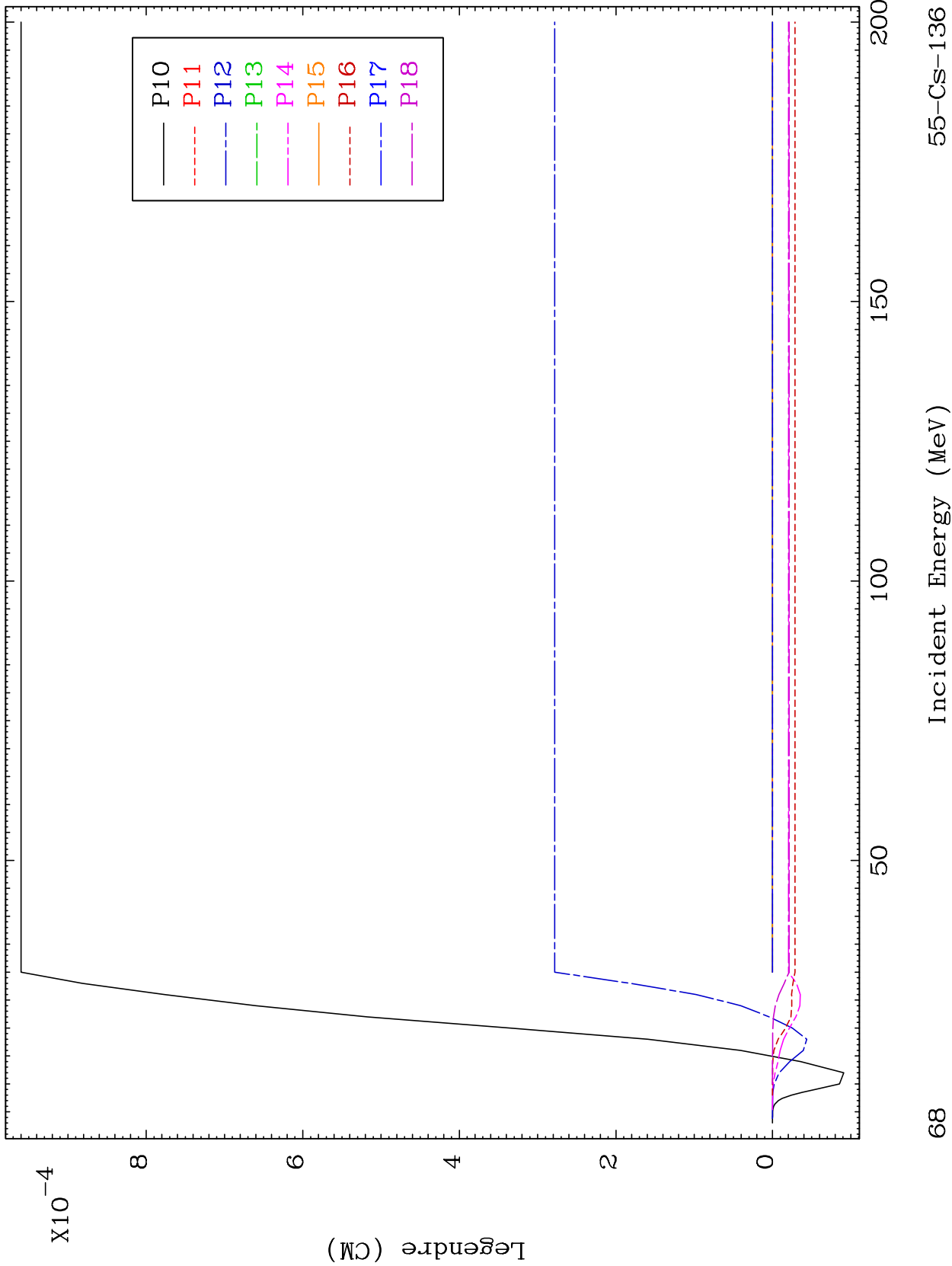
Incident Energy (MeV)

67

MAT 5534

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

55-Cs-136



68

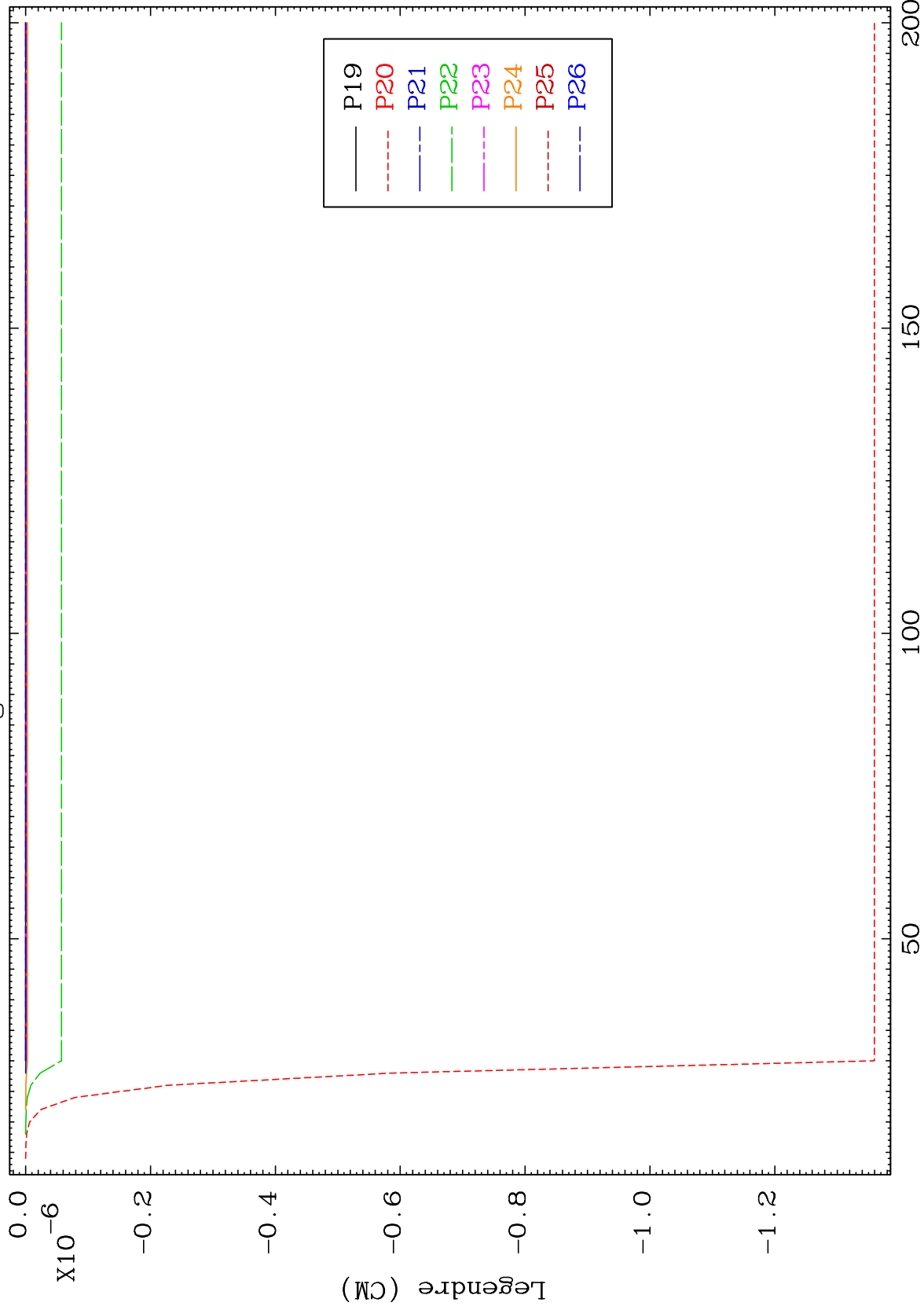
Incident Energy (MeV)

55-Cs-136

MAT 5534

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

55-Cs-136



55-Cs-136

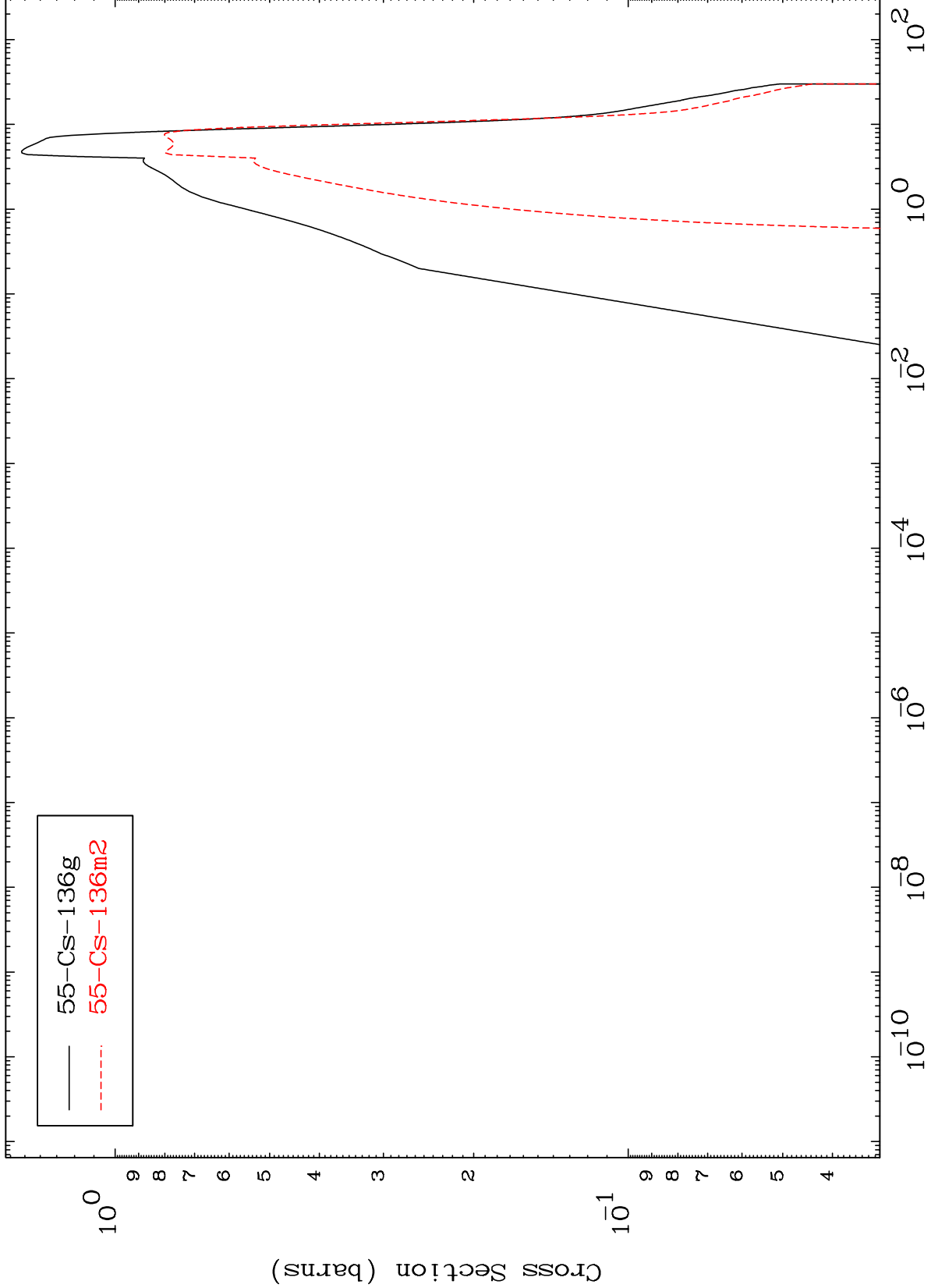
Incident Energy (MeV)

69

MAT 5534

Inelastic
Radionuclide Production Cross Section

55-Cs-136



70

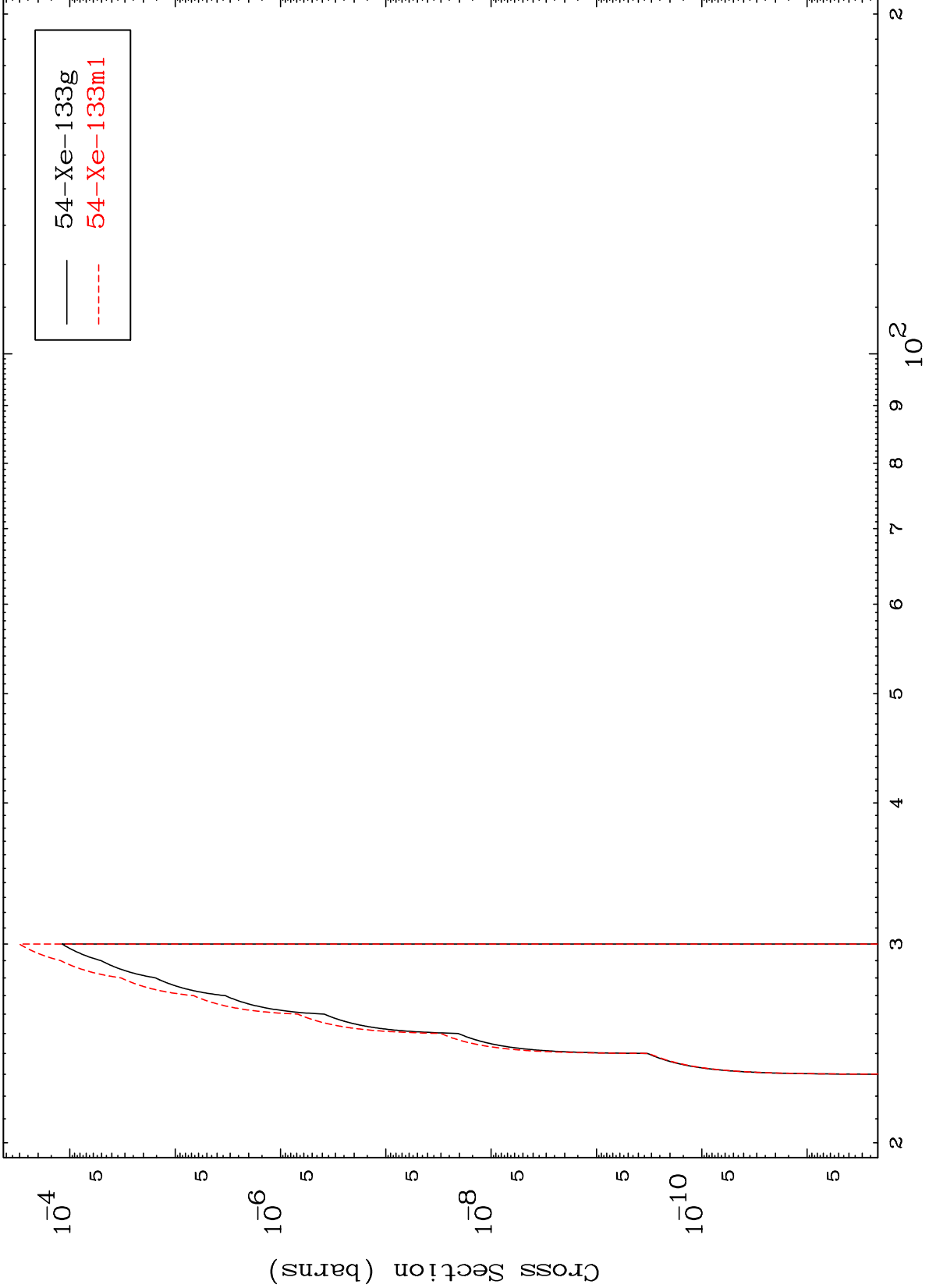
55-Cs-136

MAT 5534

(n,2n) d

55-Cs-136

Radionuclide Production Cross Section



71

Incident Energy (MeV)

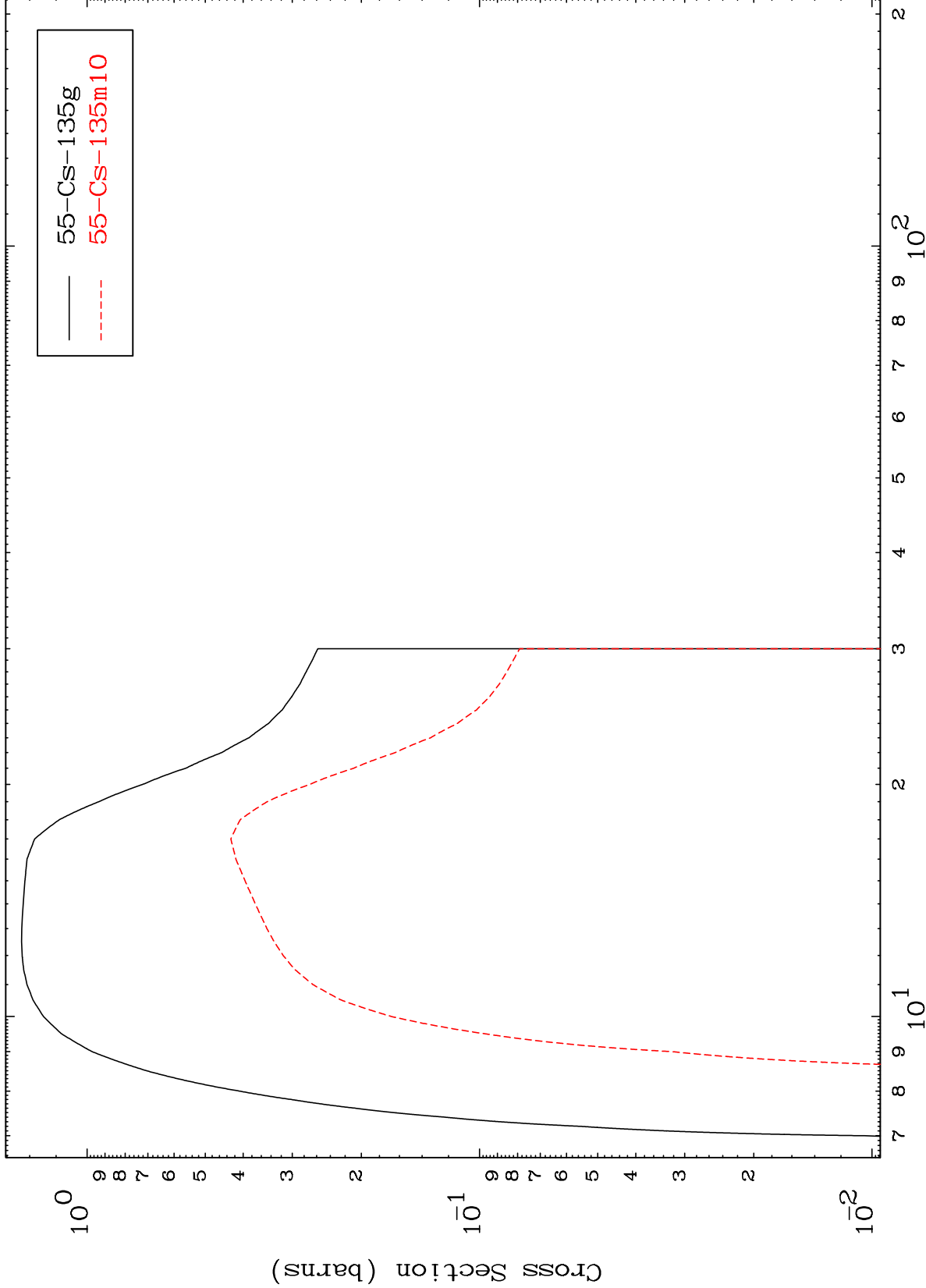
55-Cs-136

MAT 5534

(n,2n)

55-Cs-136

Radionuclide Production Cross Section



72

Incident Energy (MeV)

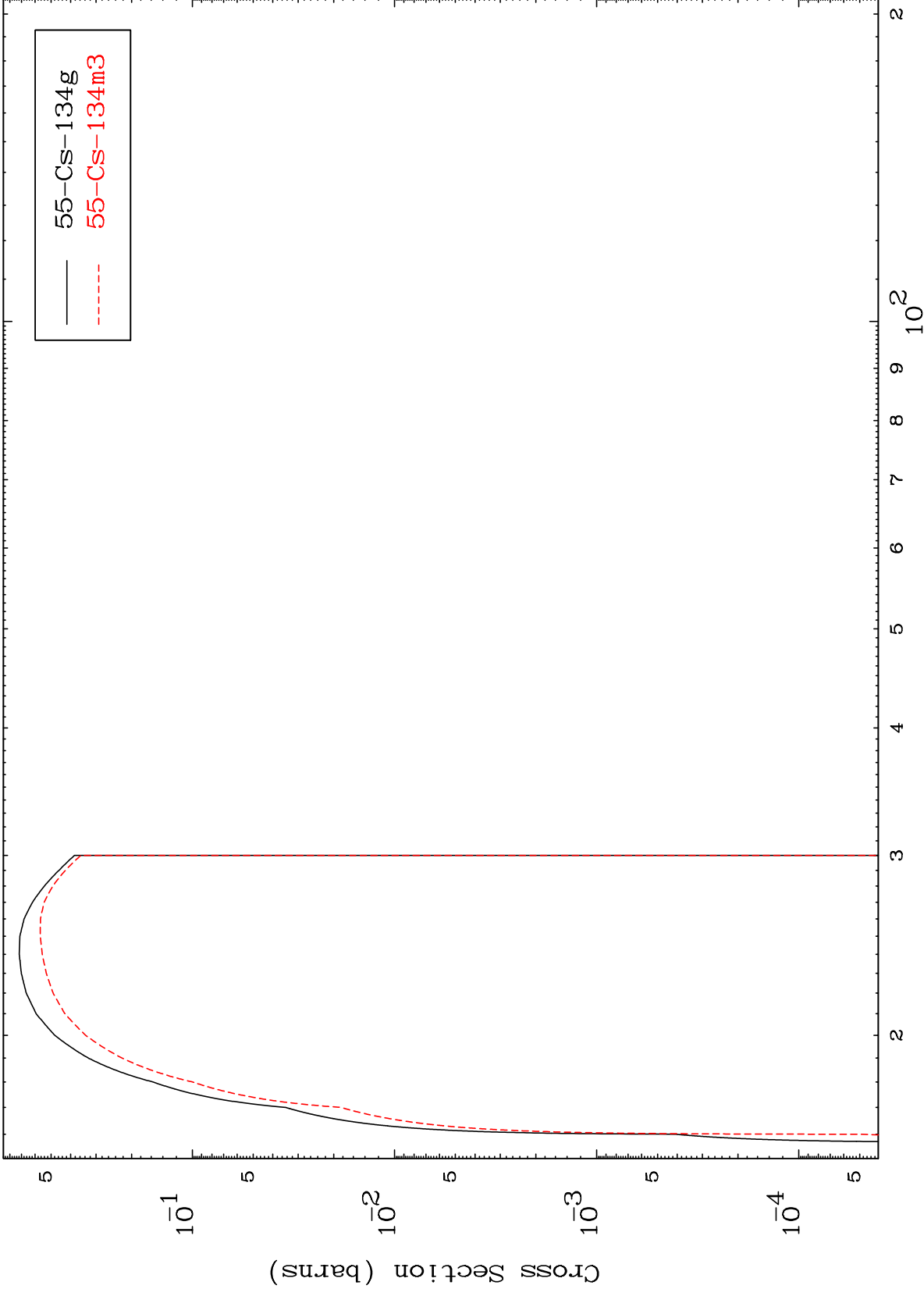
55-Cs-136

MAT 5534

(n,3n)

55-Cs-136

Radionuclide Production Cross Section



55-Cs-134g
55-Cs-134m3

73

Incident Energy (MeV)

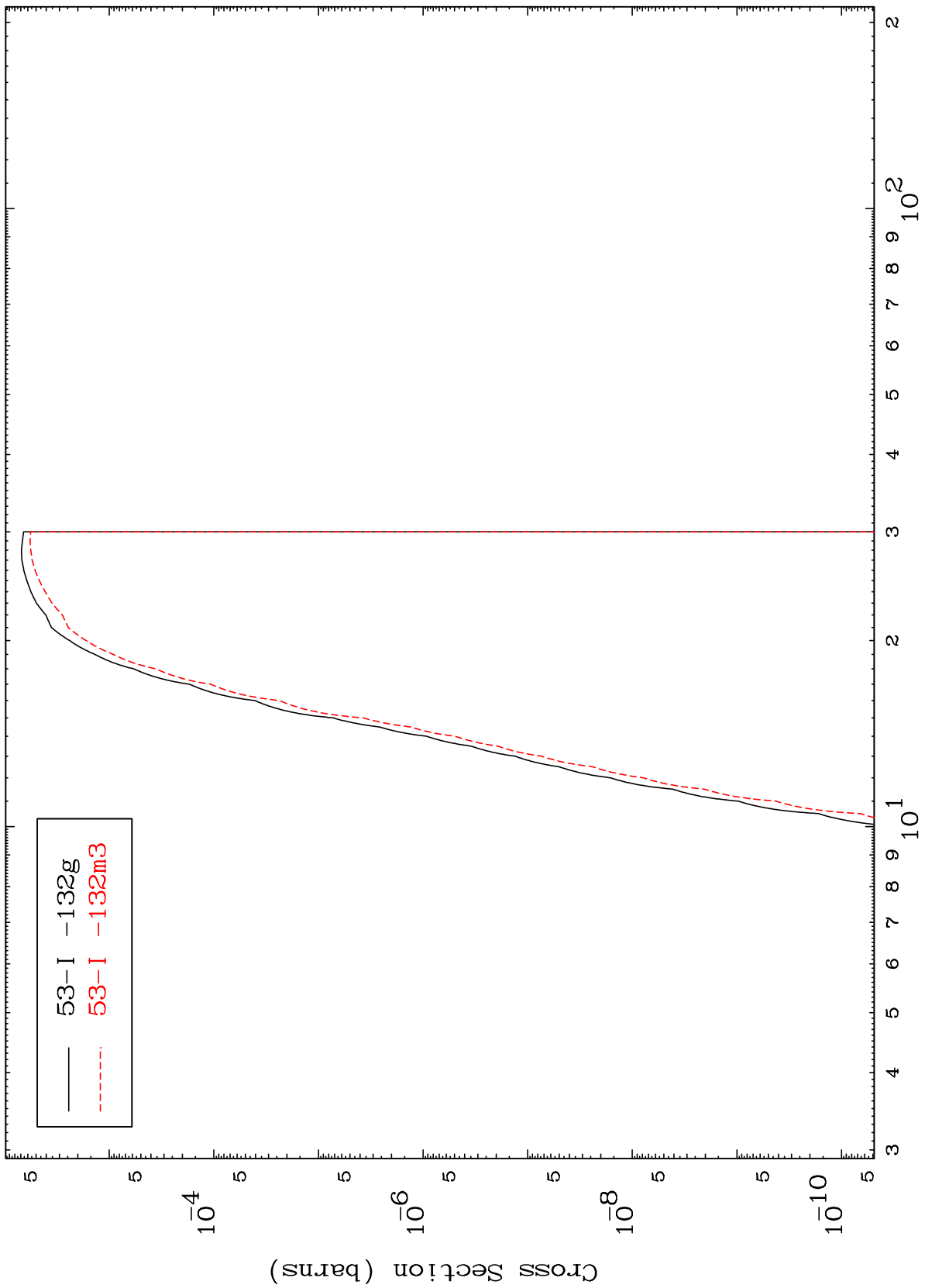
55-Cs-136

MAT 5534

55-Cs-136

(n,n') α

Radionuclide Production Cross Section



74

Incident Energy (MeV)

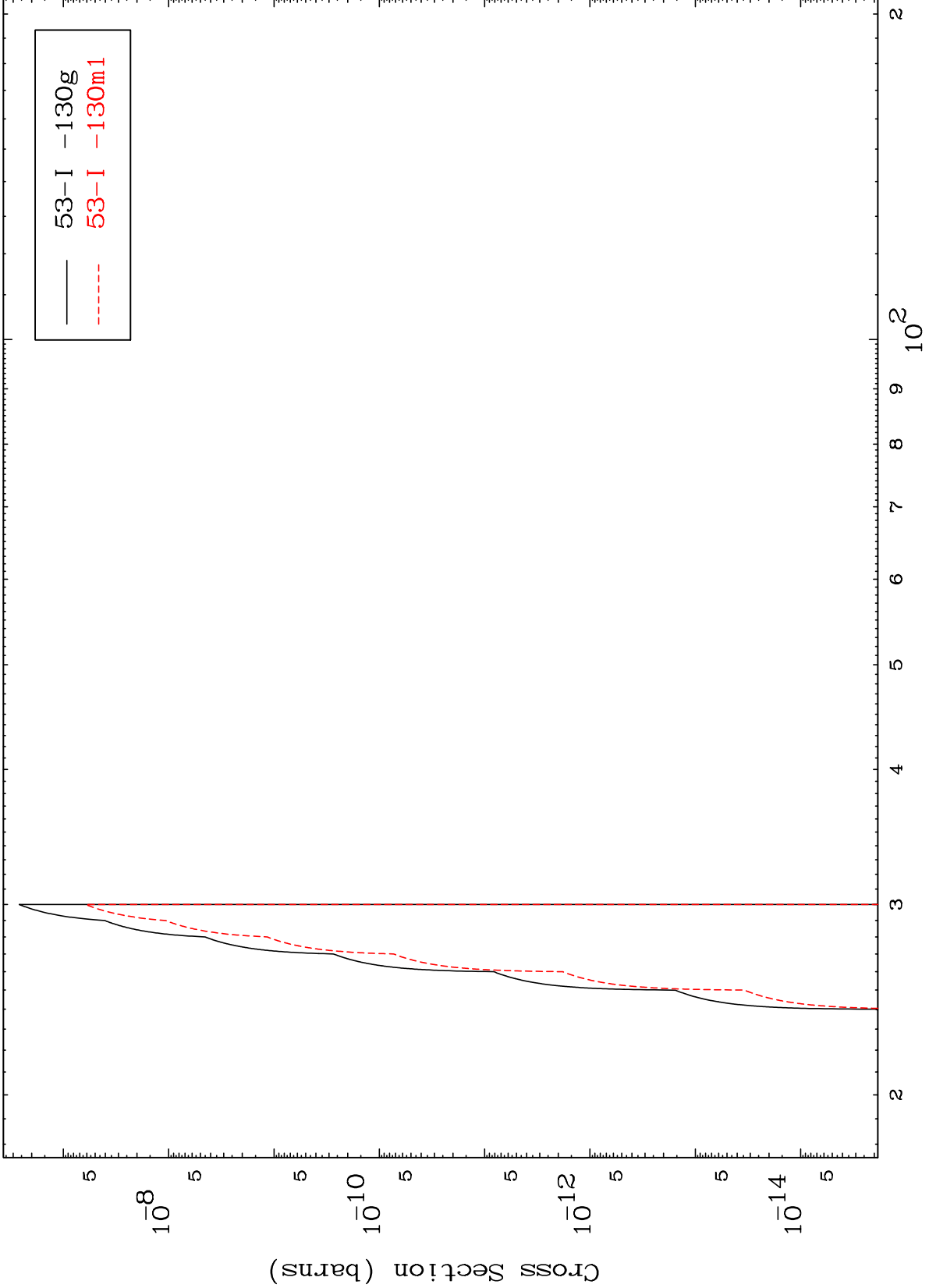
55-Cs-136

MAT 5534

(n,3n) α

55-Cs-136

Radionuclide Production Cross Section



75

Incident Energy (MeV)

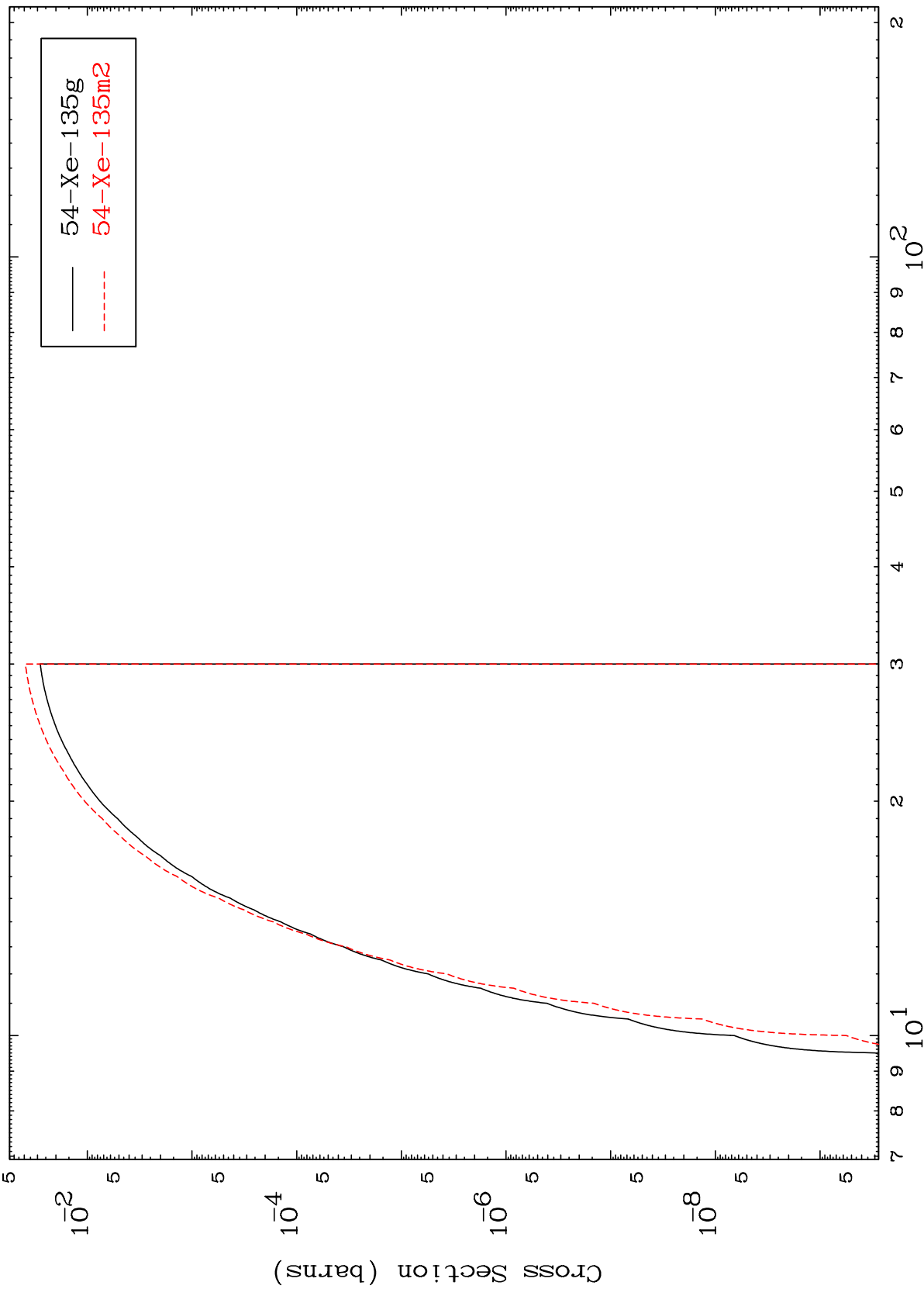
55-Cs-136

MAT 5534

55-Cs-136

(n,n') p

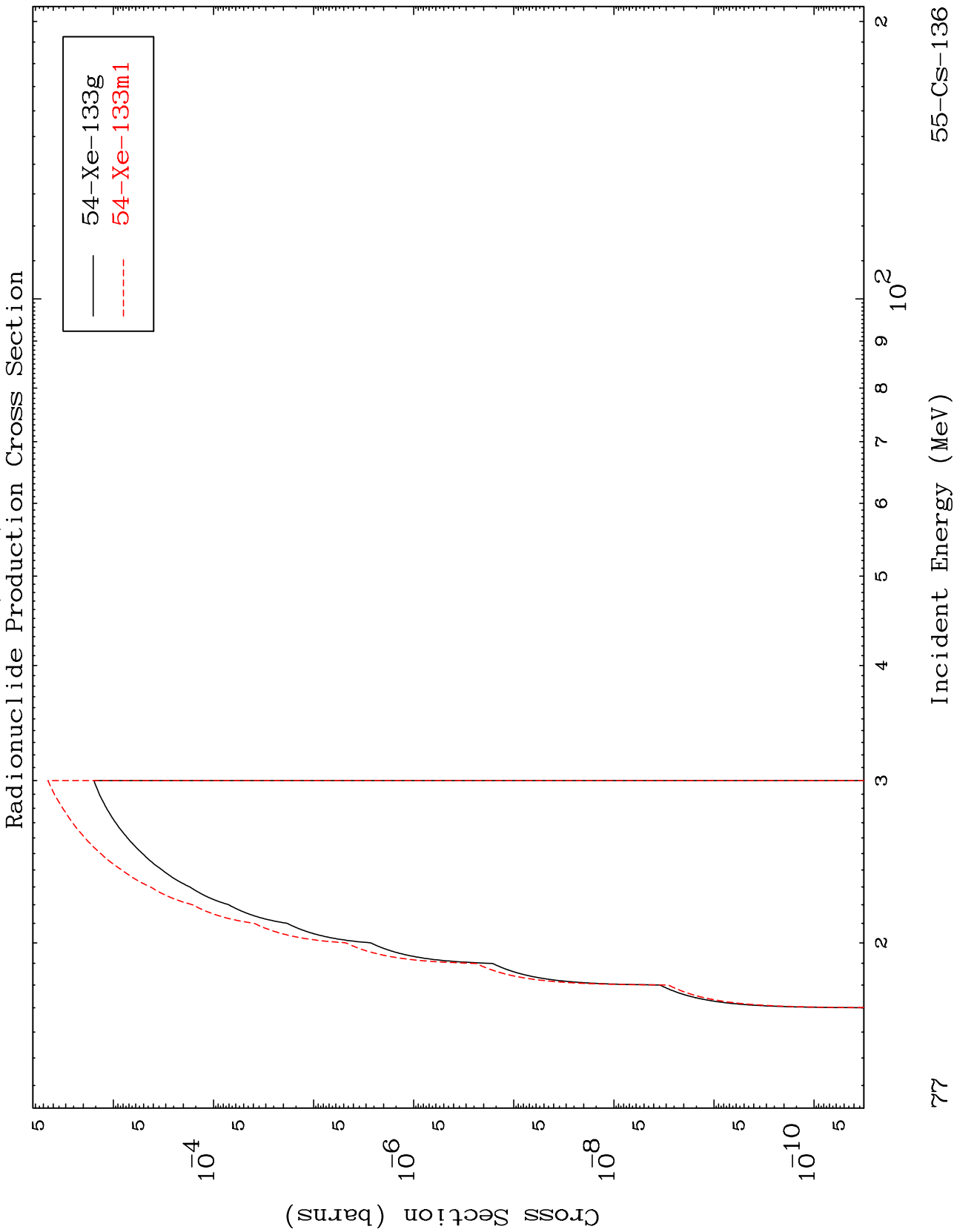
Radionuclide Production Cross Section



76

Incident Energy (MeV)

55-Cs-136

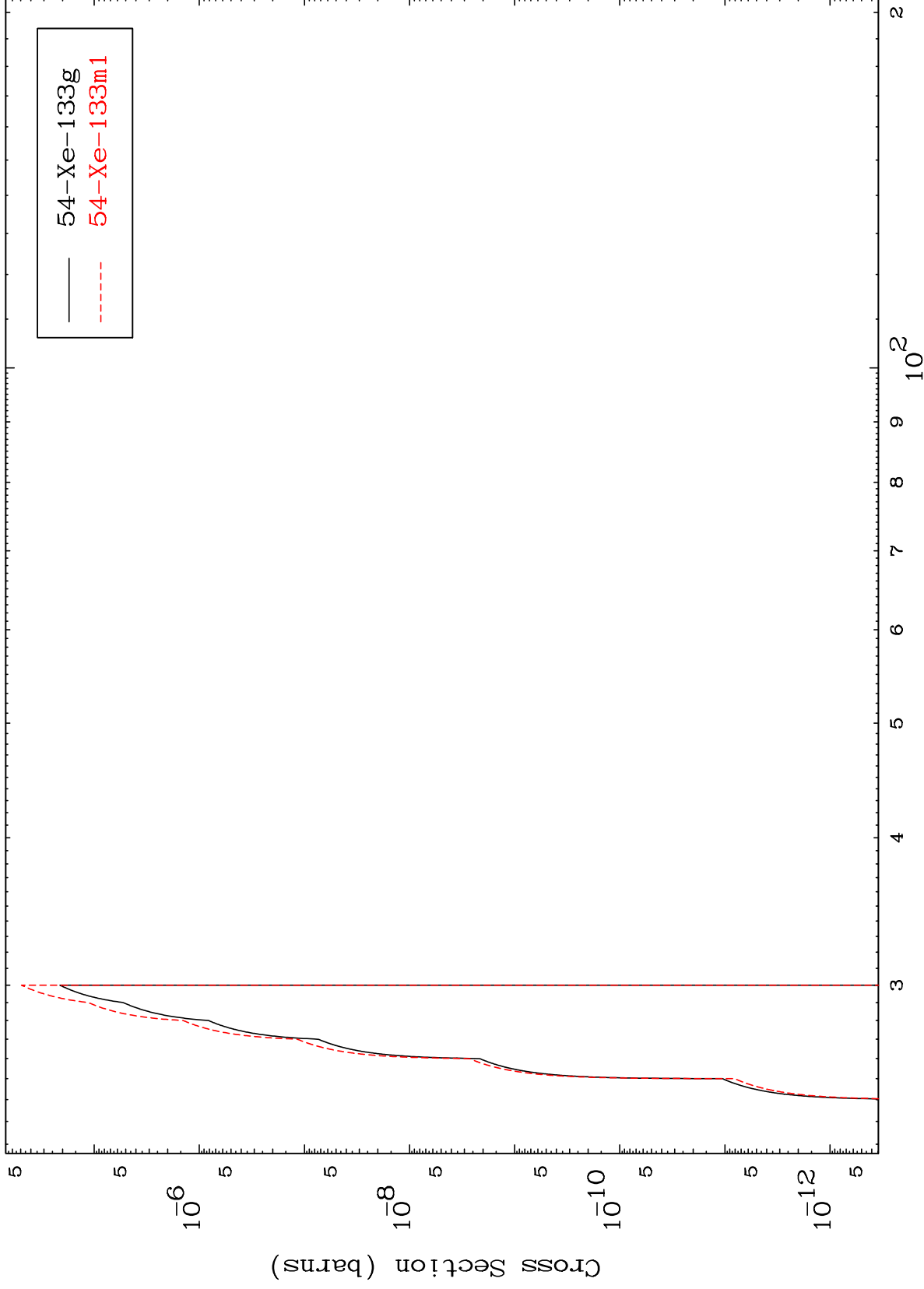


MAT 5534

(n,3n) p

55-Cs-136

Radionuclide Production Cross Section



78

Incident Energy (MeV)

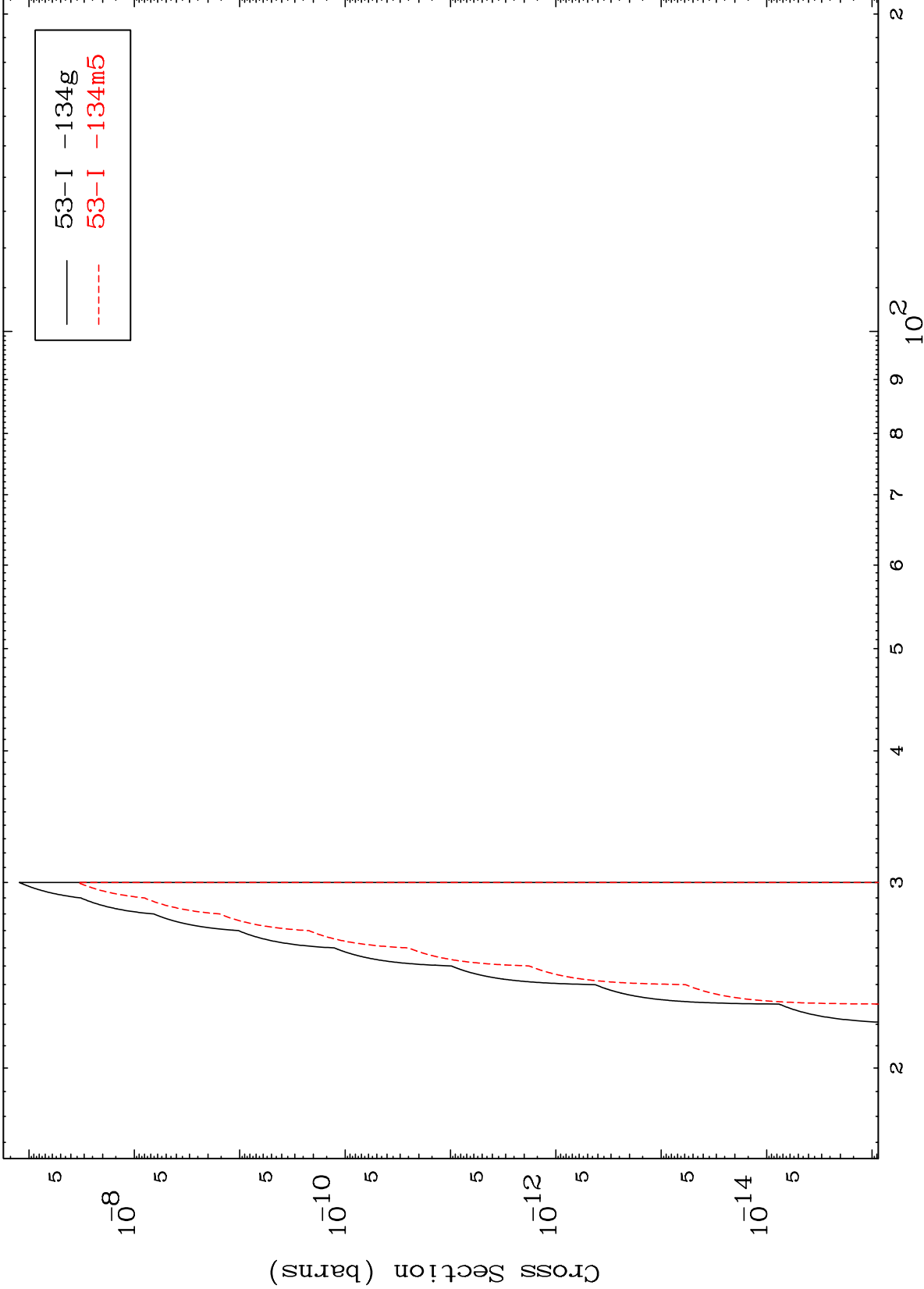
55-Cs-136

MAT 5534

(n,2n) p

55-Cs-136

Radionuclide Production Cross Section



53-I -134g
53-I -134m5

79

Incident Energy (MeV)

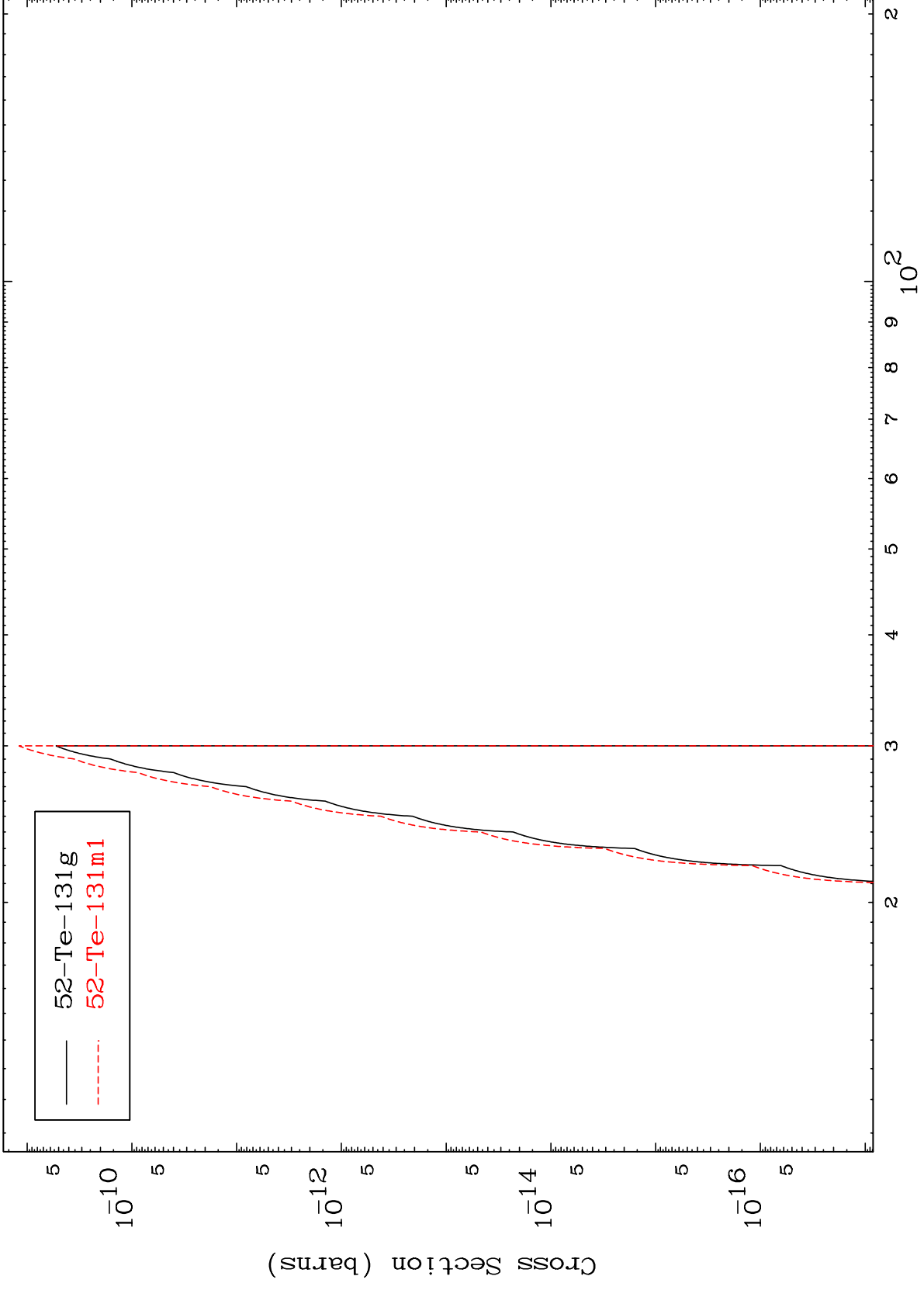
55-Cs-136

MAT 5534

(n,n') p α

55-Cs-136

Radionuclide Production Cross Section



80

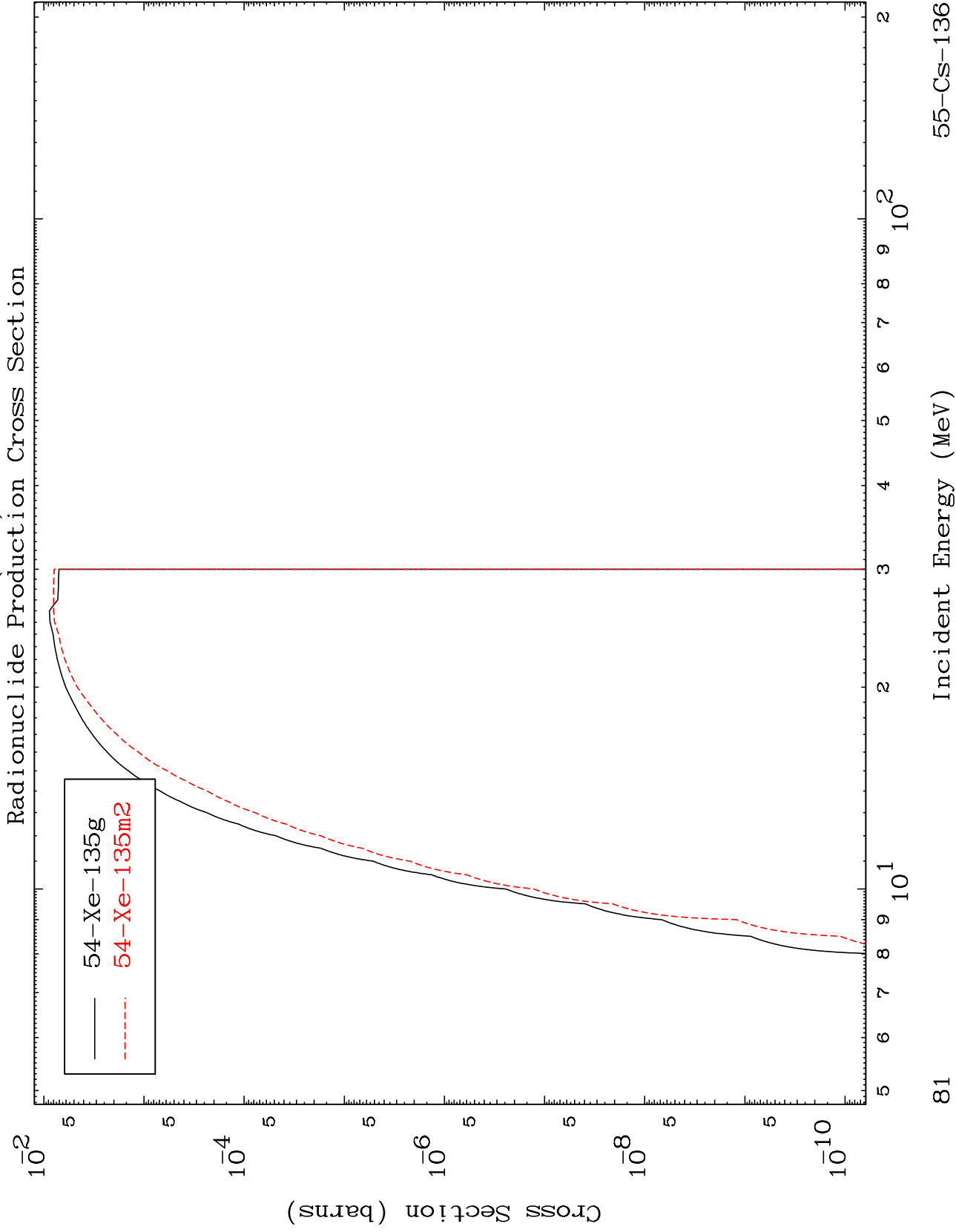
Incident Energy (MeV)

55-Cs-136

MAT 5534

(n,d)

55-Cs-136

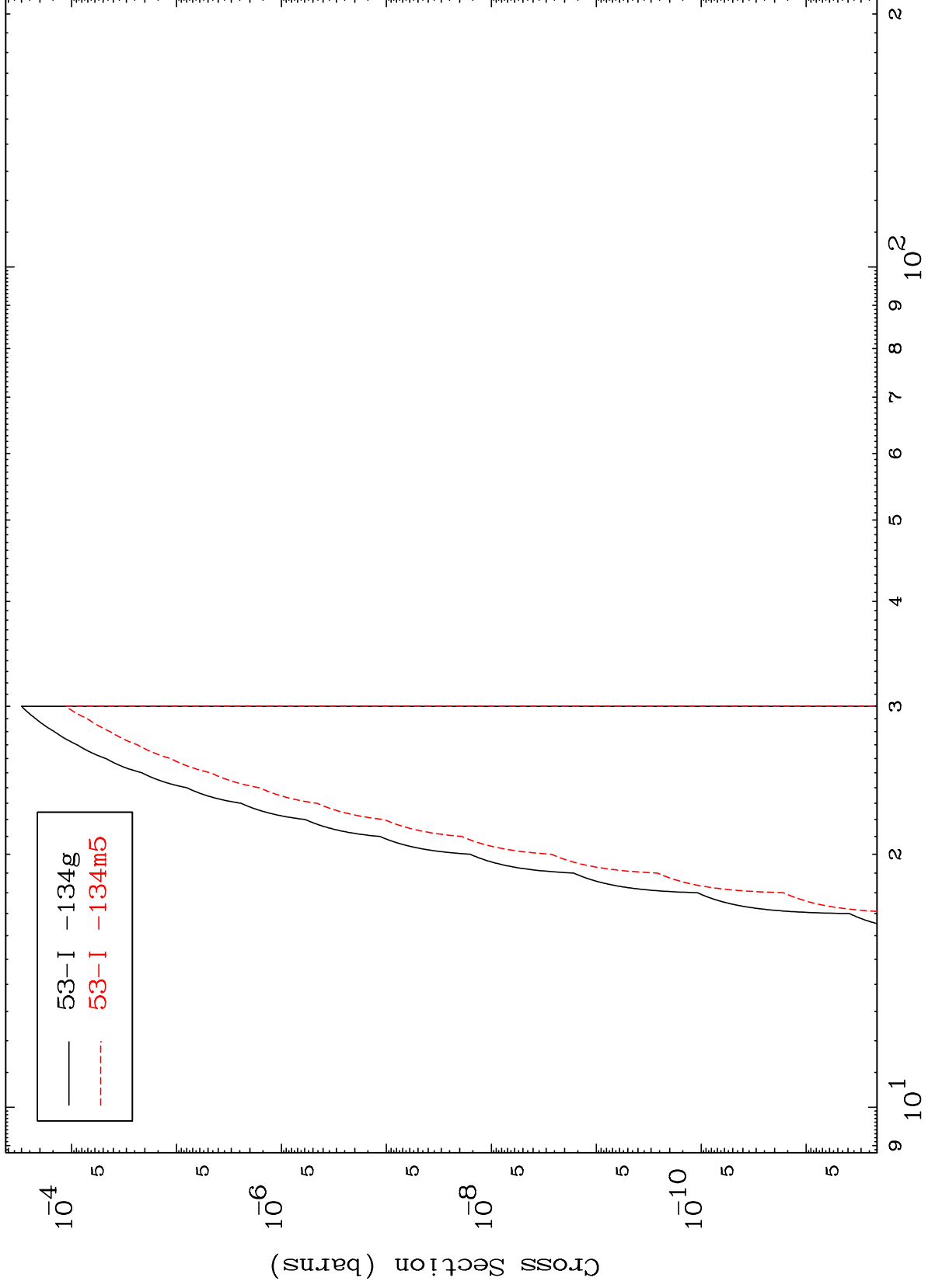


MAT 5534

(n,He-3)

55-Cs-136

Radionuclide Production Cross Section



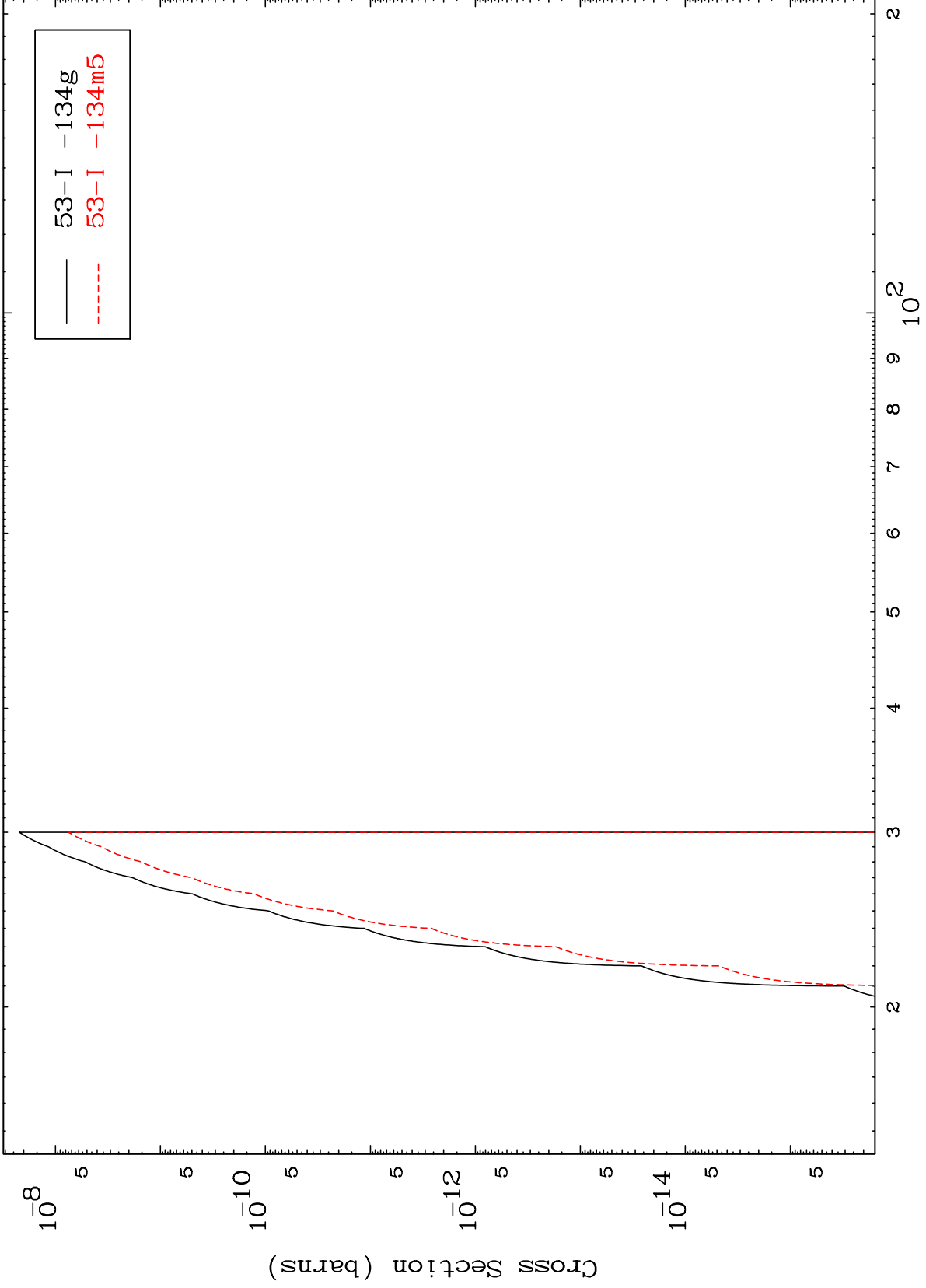
53-I-134g
53-I-134m5

82

Incident Energy (MeV)

55-Cs-136

Radionuclide Production Cross Section



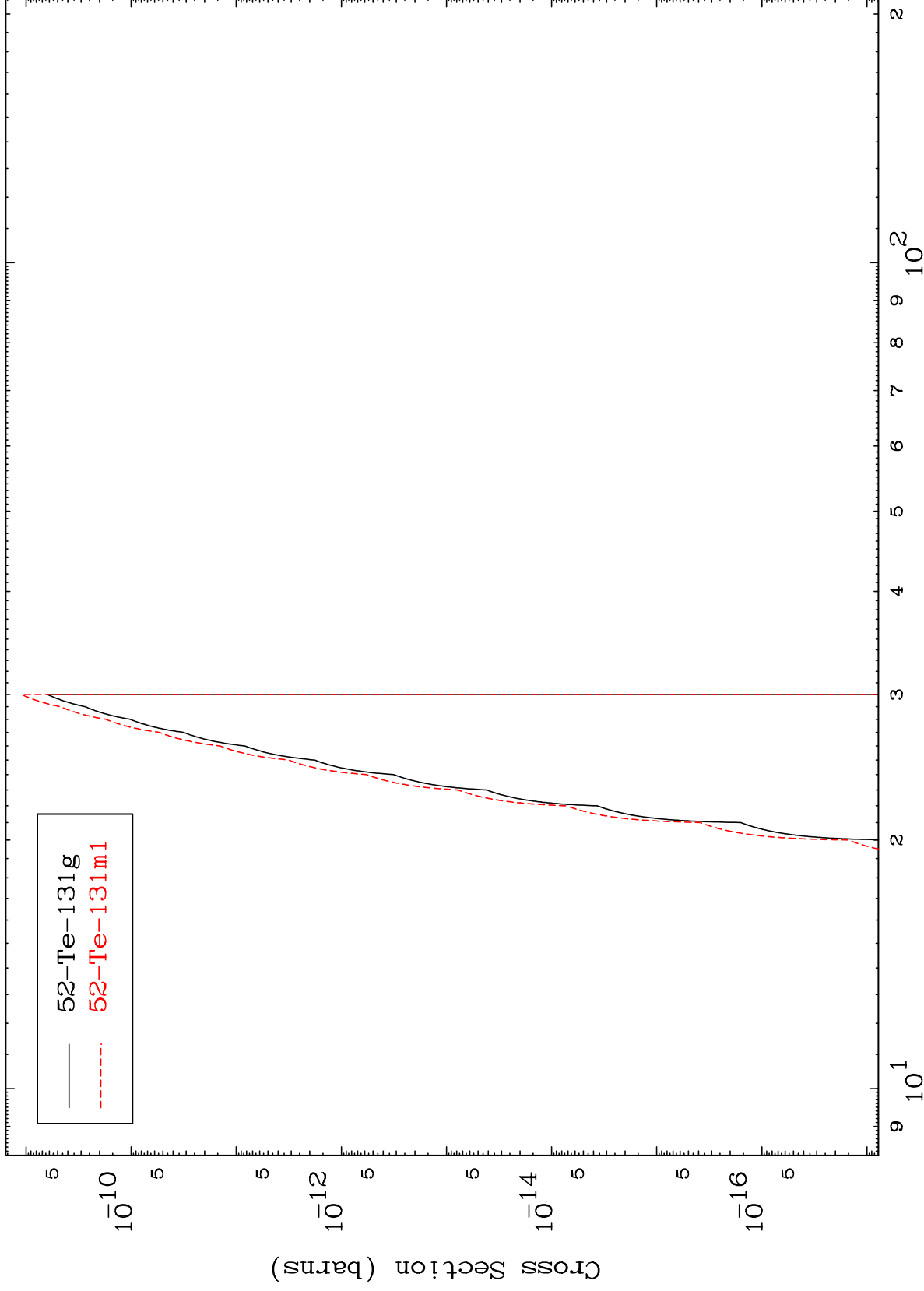
53-I -134g
53-I -134m5

MAT 5534

(n,d) α

55-Cs-136

Radionuclide Production Cross Section



84

Incident Energy (MeV)

55-Cs-136