

Program EVALPLOT
(Version 2015-2)

by

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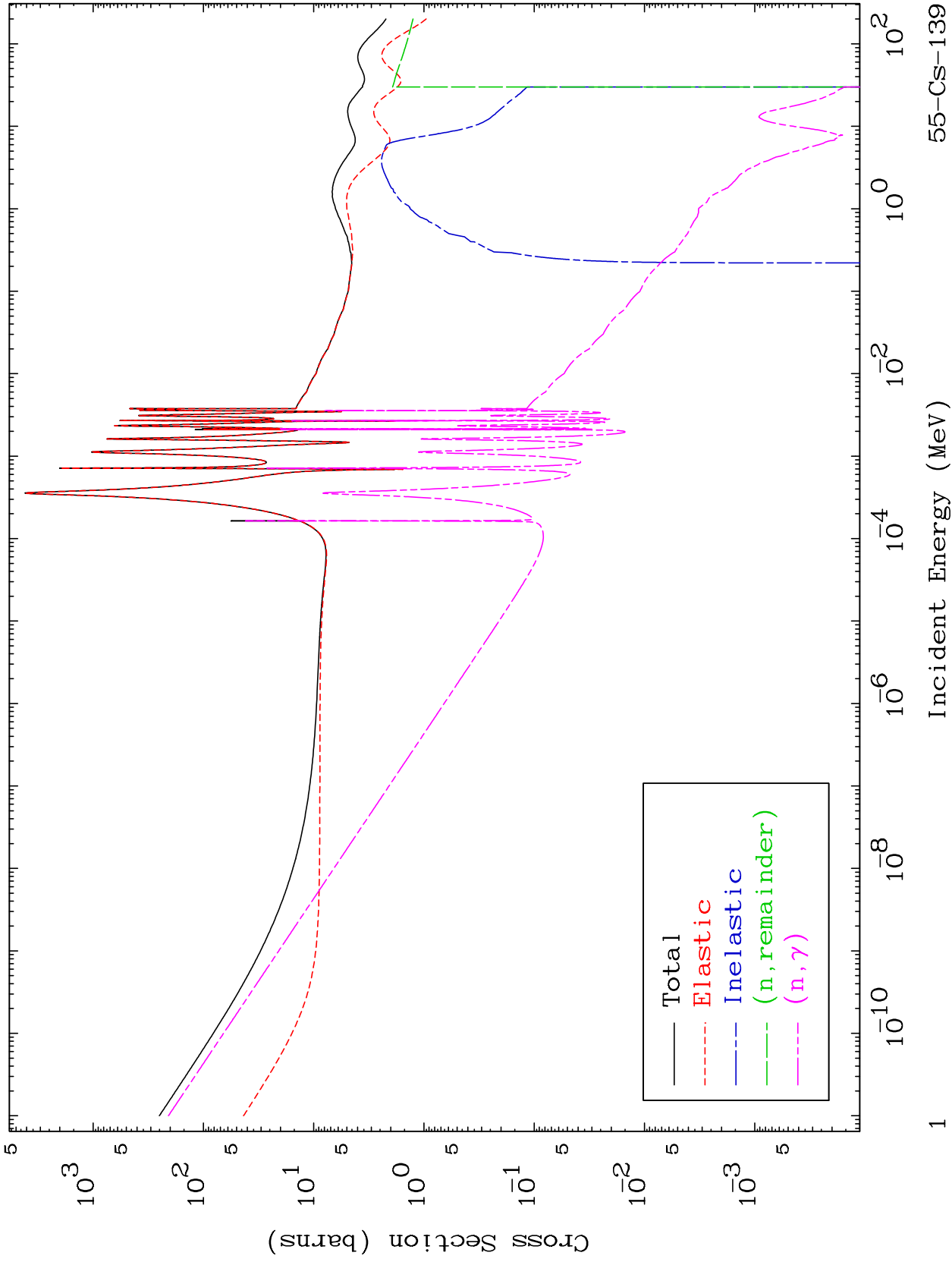
Press Mouse Button to Start

MAT 5543

Major

293 Kelvin Cross Sections

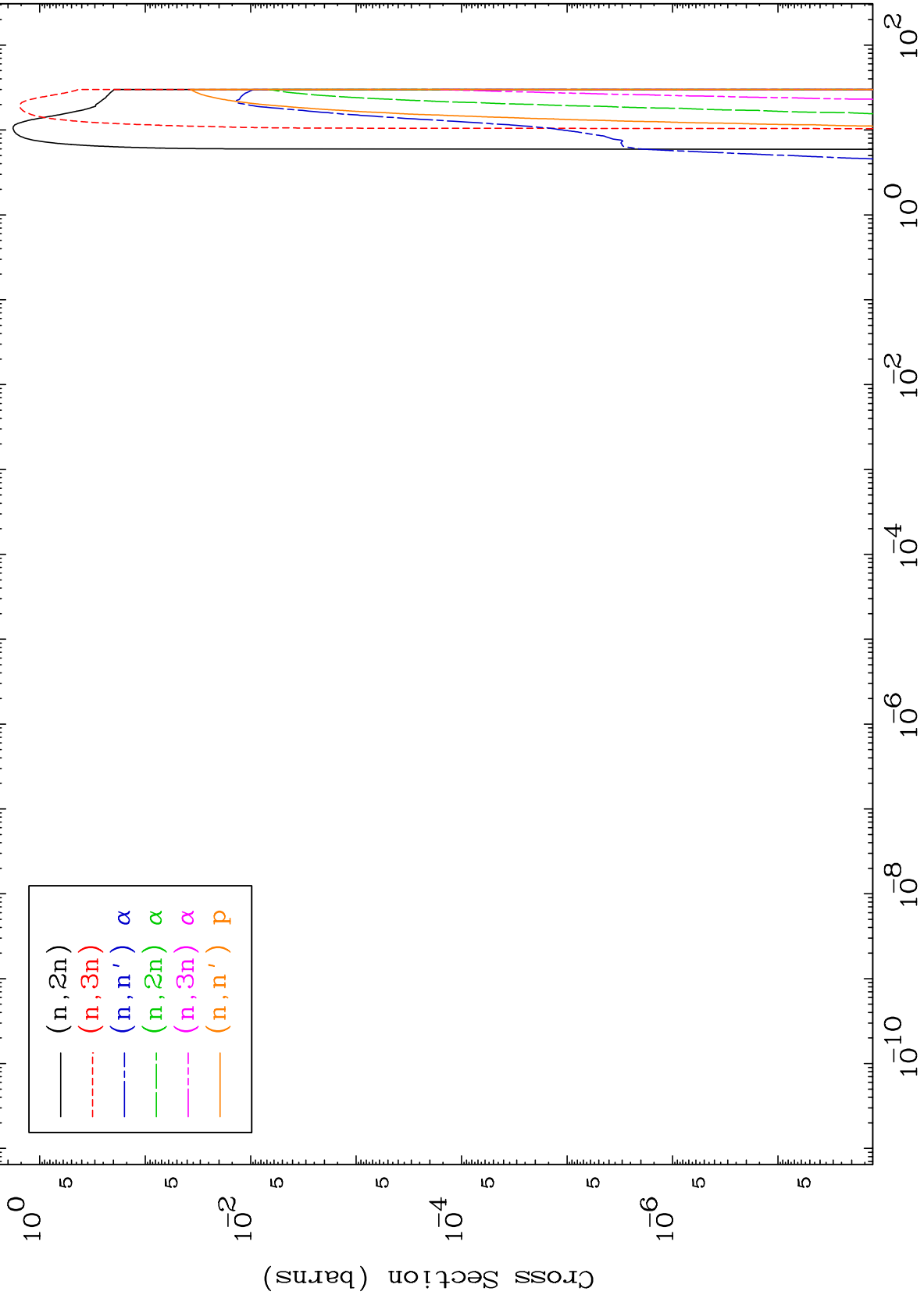
55-Cs-139



MAT 5543

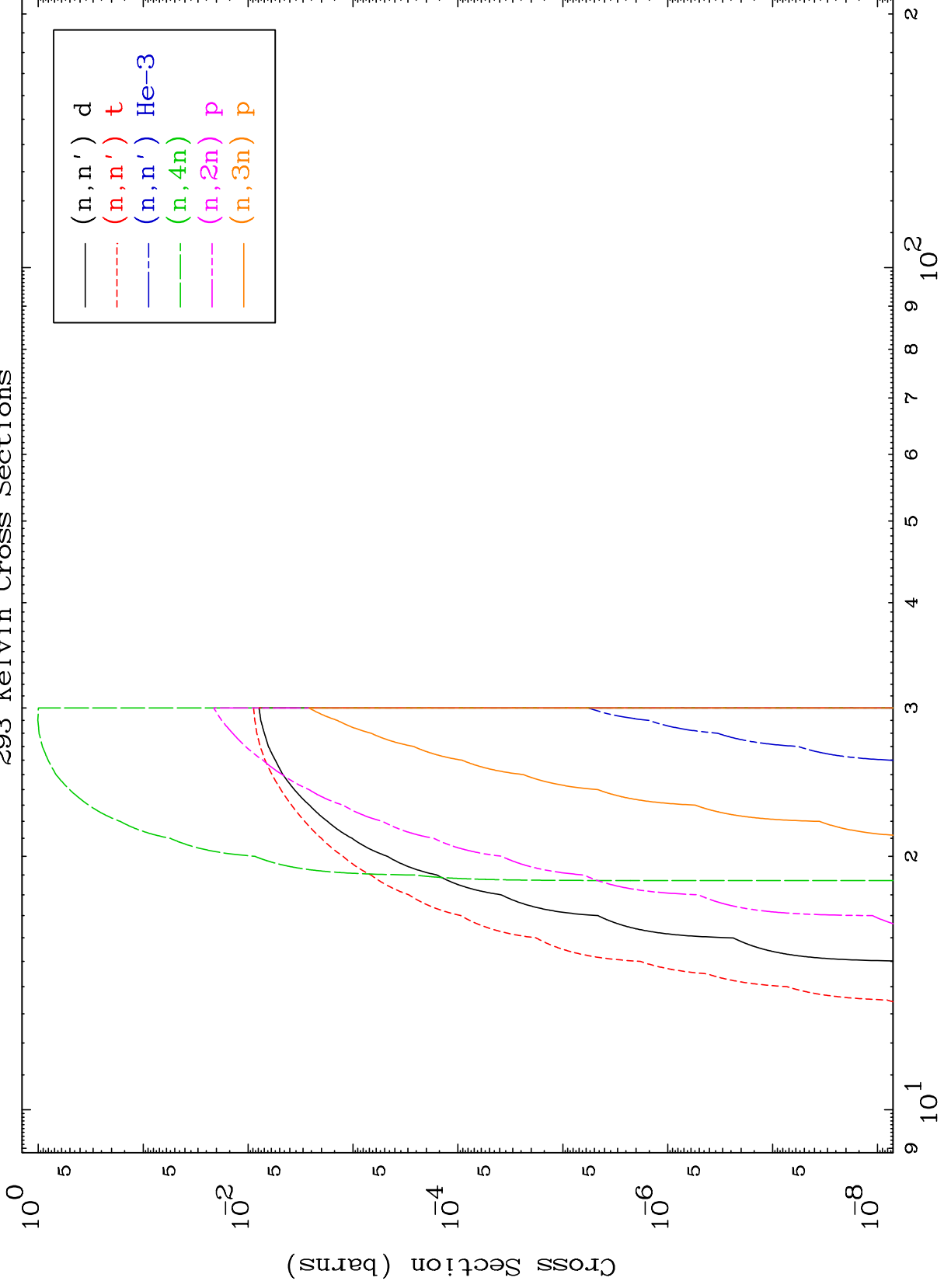
Neutron Production
293 Kelvin Cross Sections

55-Cs-139



55-Cs-139

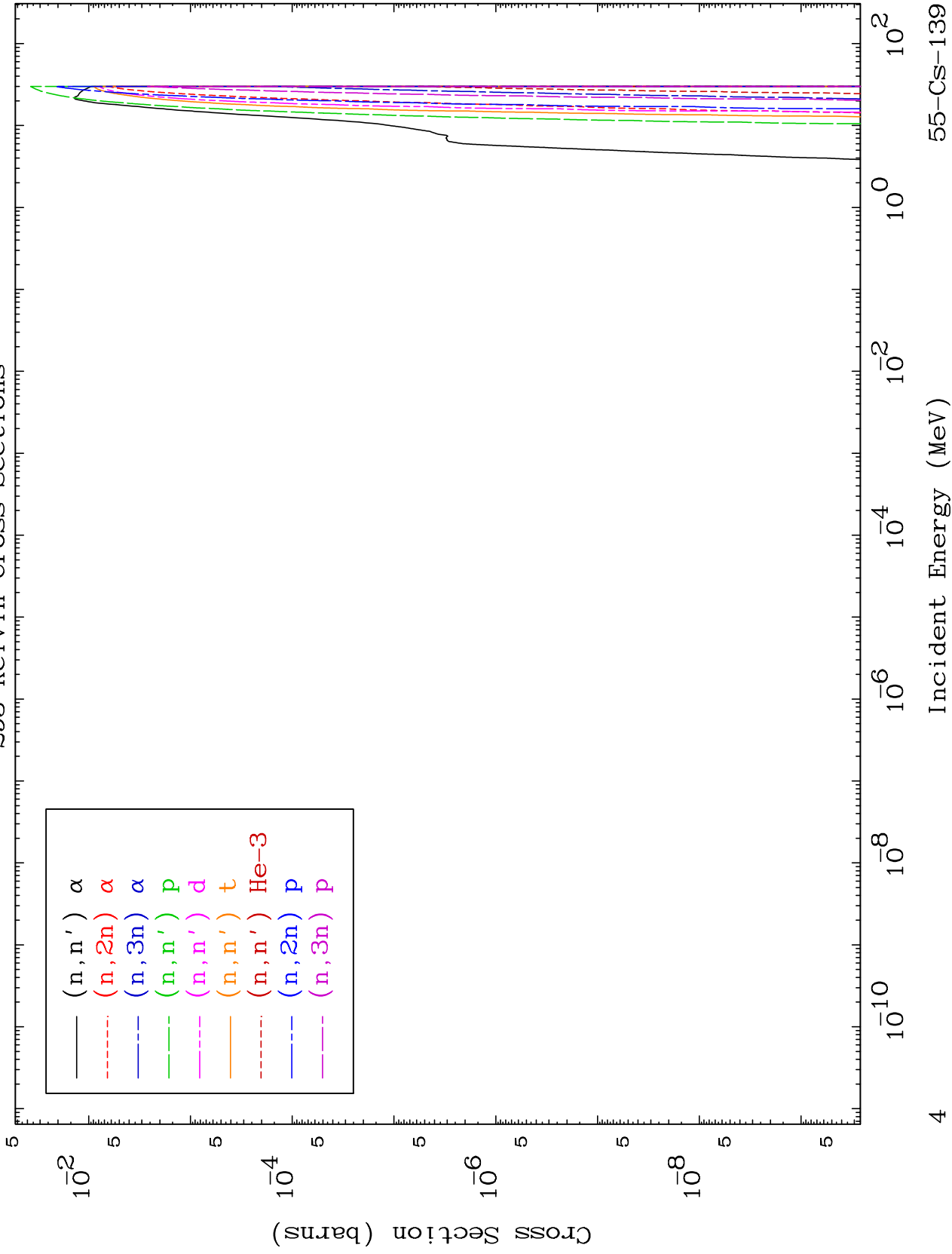
Incident Energy (MeV)



MAT 5543

Charged Particle
293 Kelvin Cross Sections

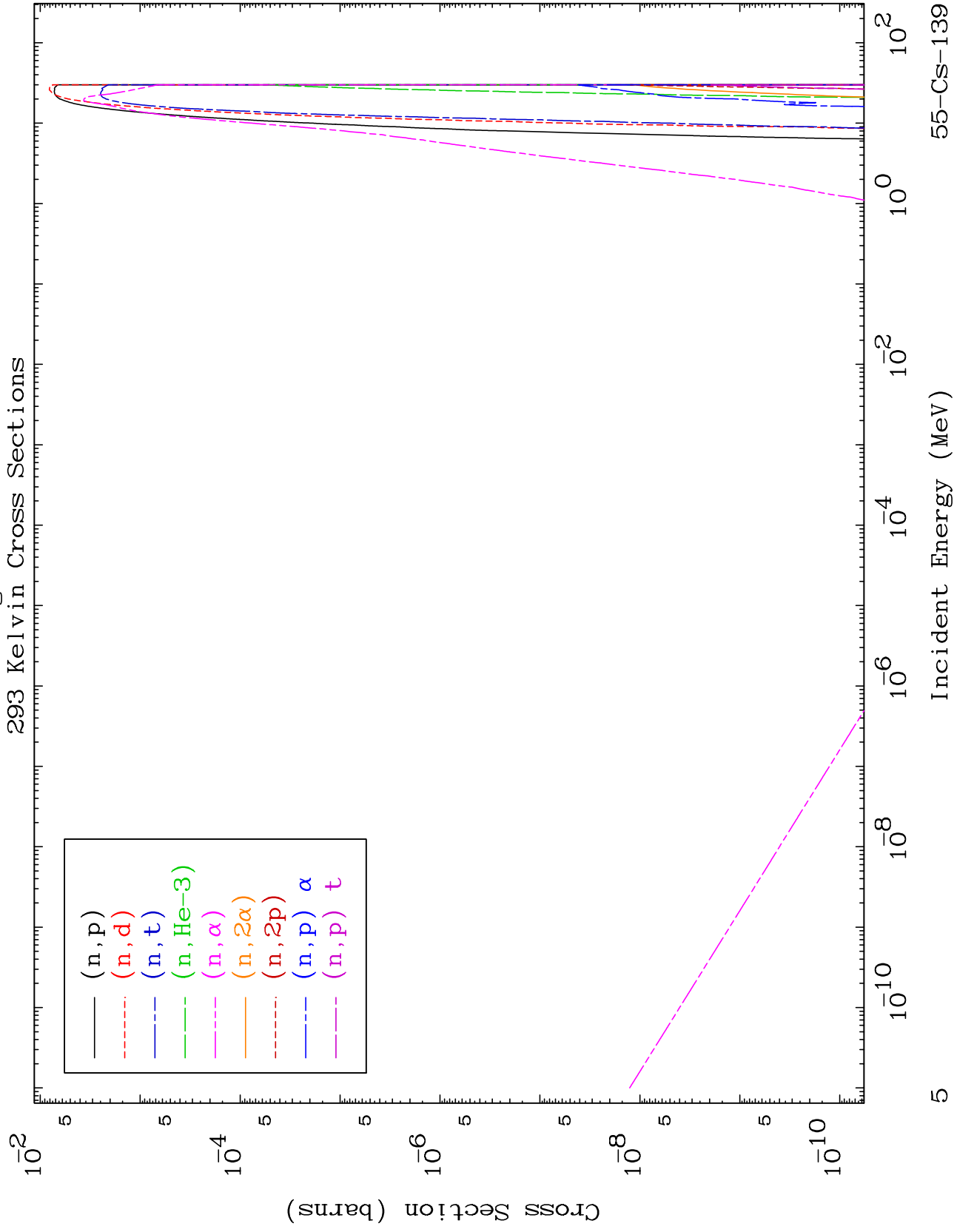
55-Cs-139



MAT 5543

Charged Particle
293 Kelvin Cross Sections

55-Cs-139



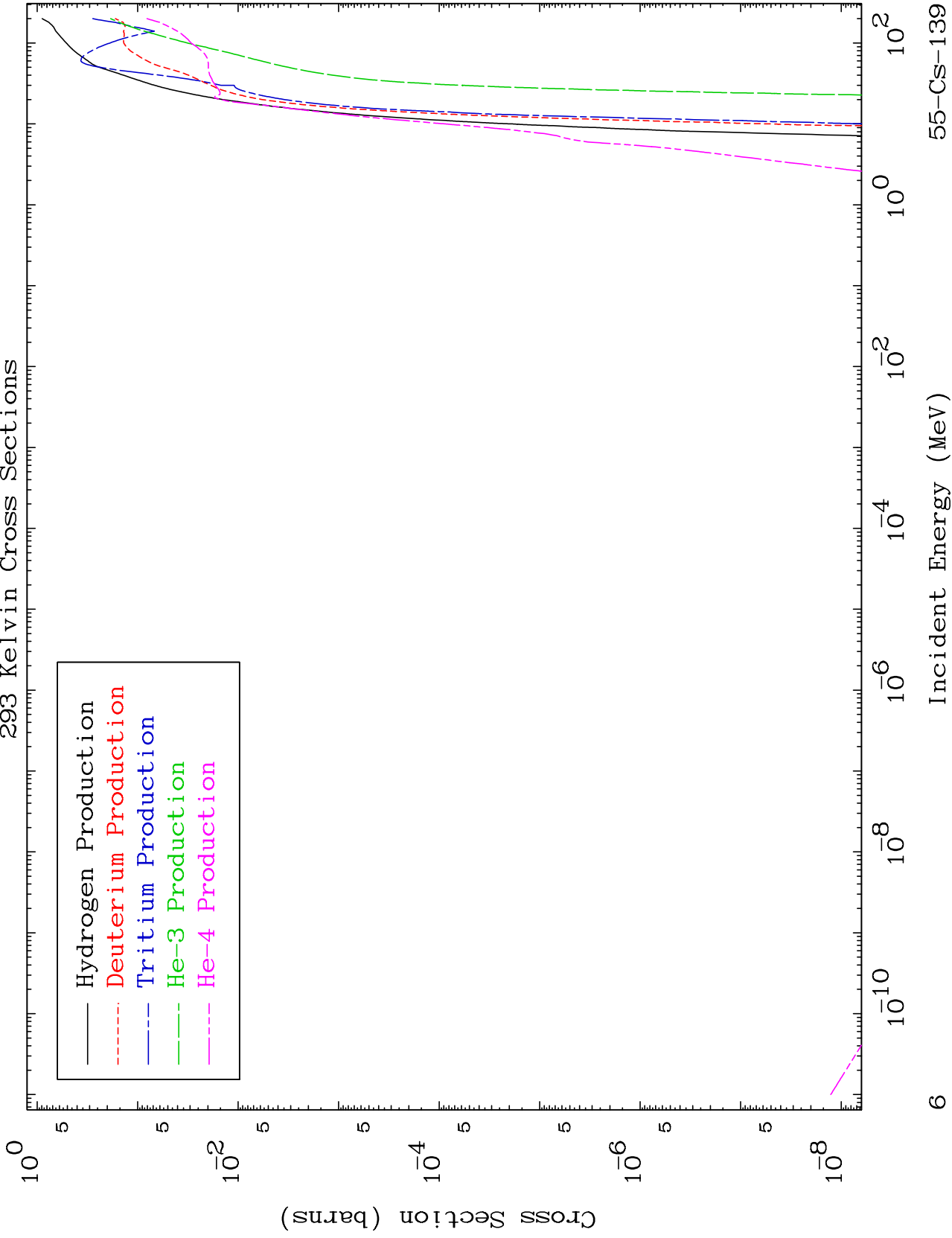
5

55-Cs-139

MAT 5543

Particle Production
293 Kelvin Cross Sections

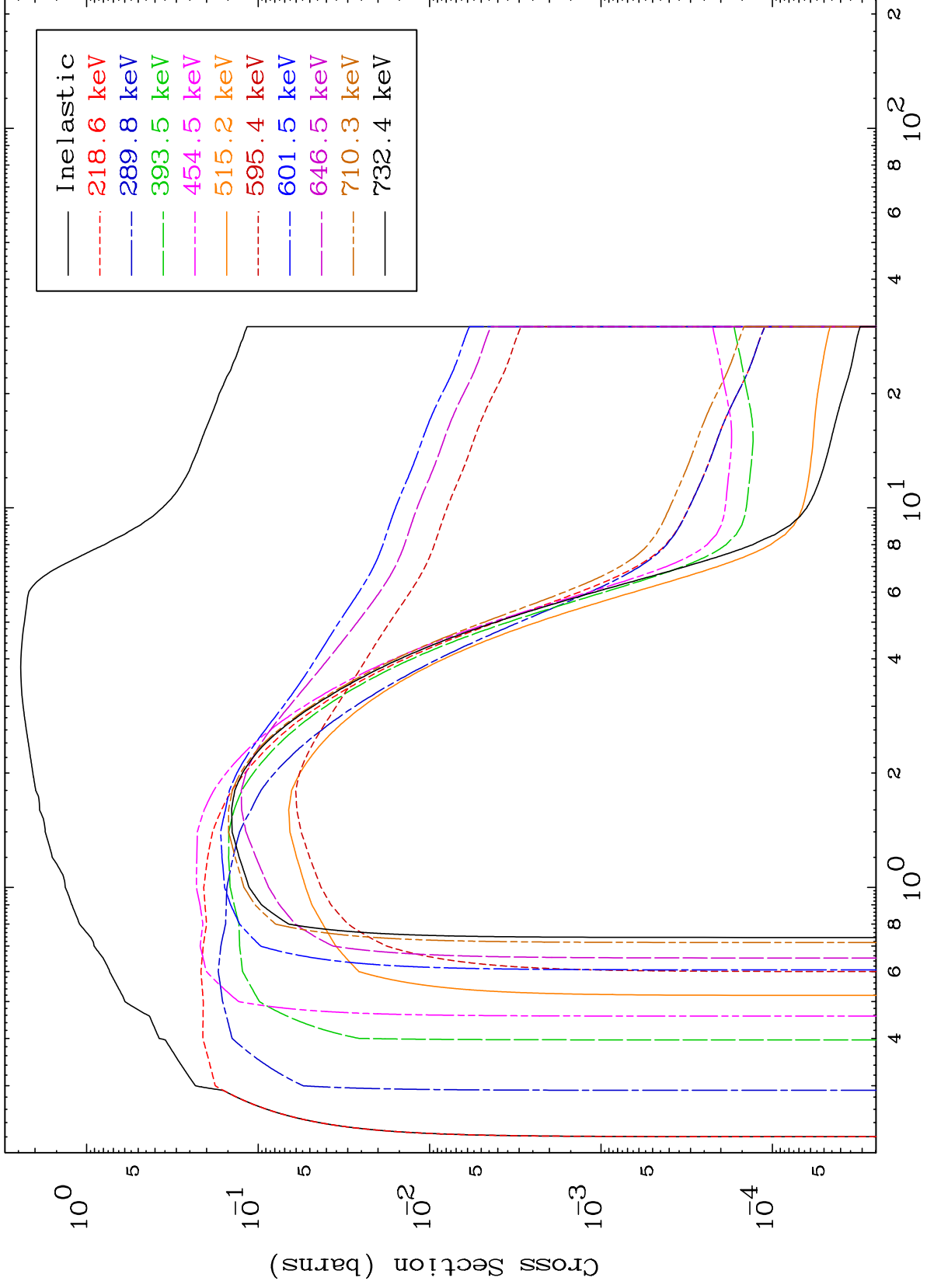
55-Cs-139



MAT 5543

(n,n') Level
293 Kelvin Cross Sections

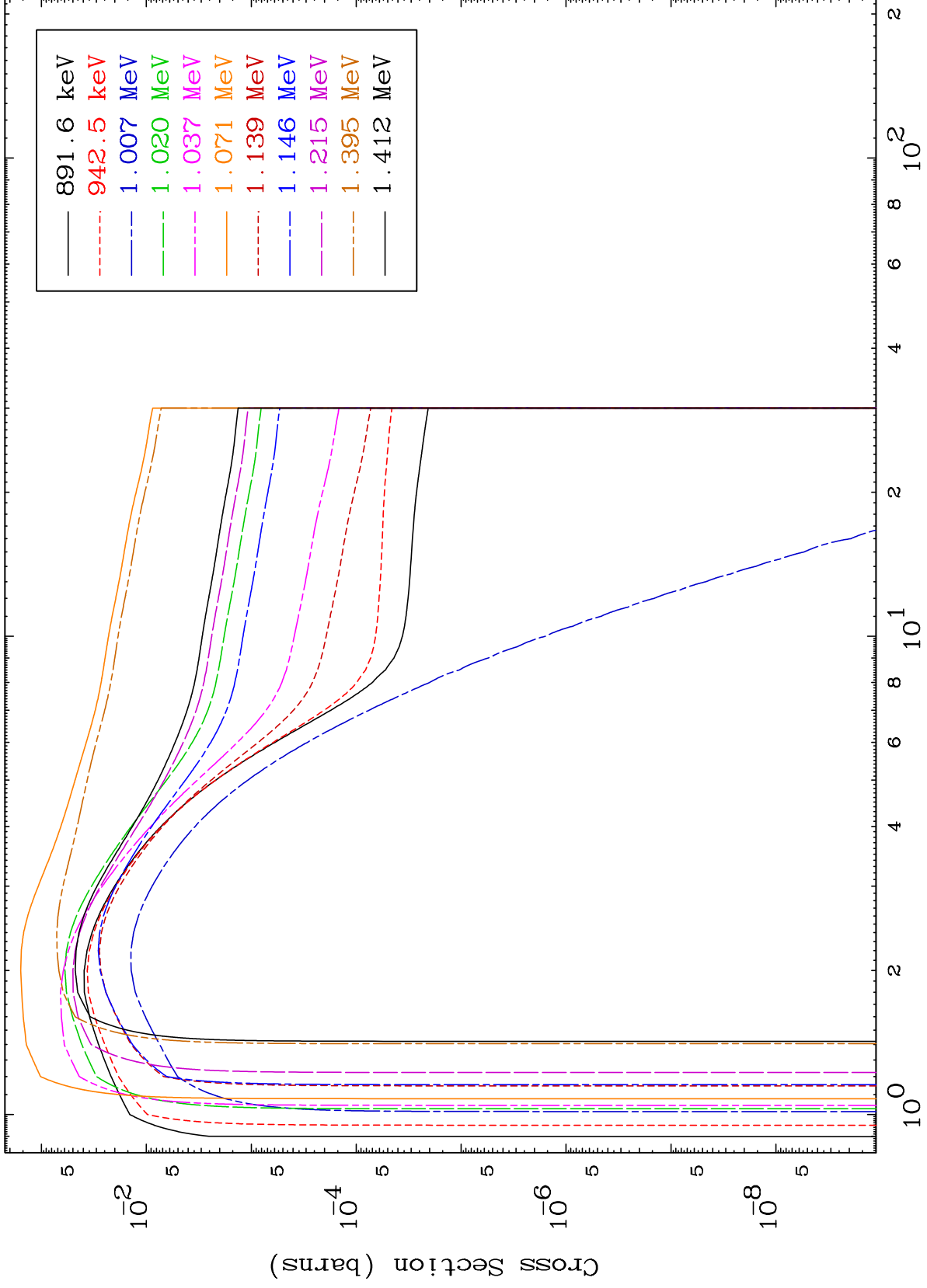
55-Cs-139



MAT 5543

(n,n') Level
293 Kelvin Cross Sections

55-Cs-139



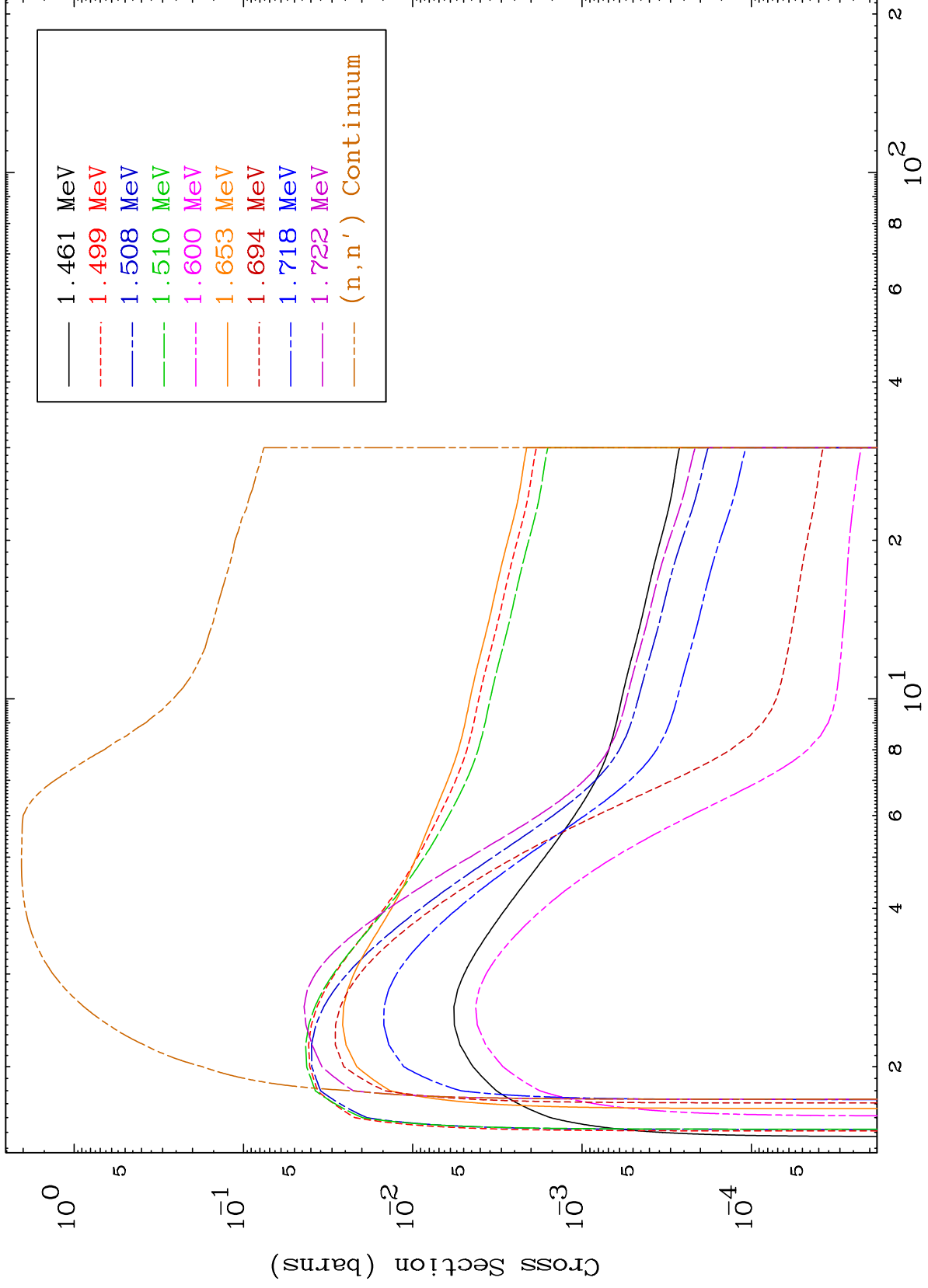
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,n') Level
293 Kelvin Cross Sections

55-Cs-139



9

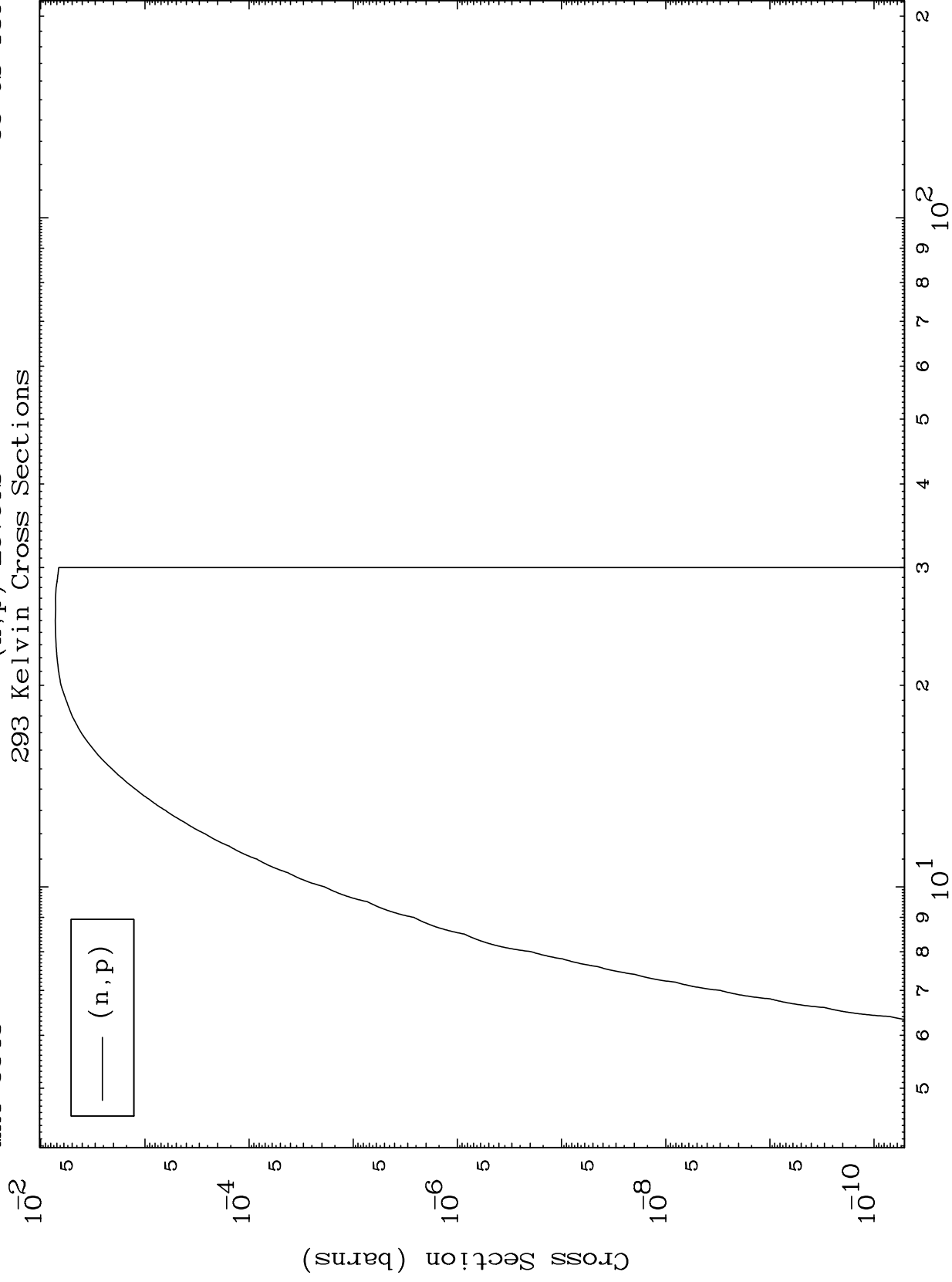
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-139



10

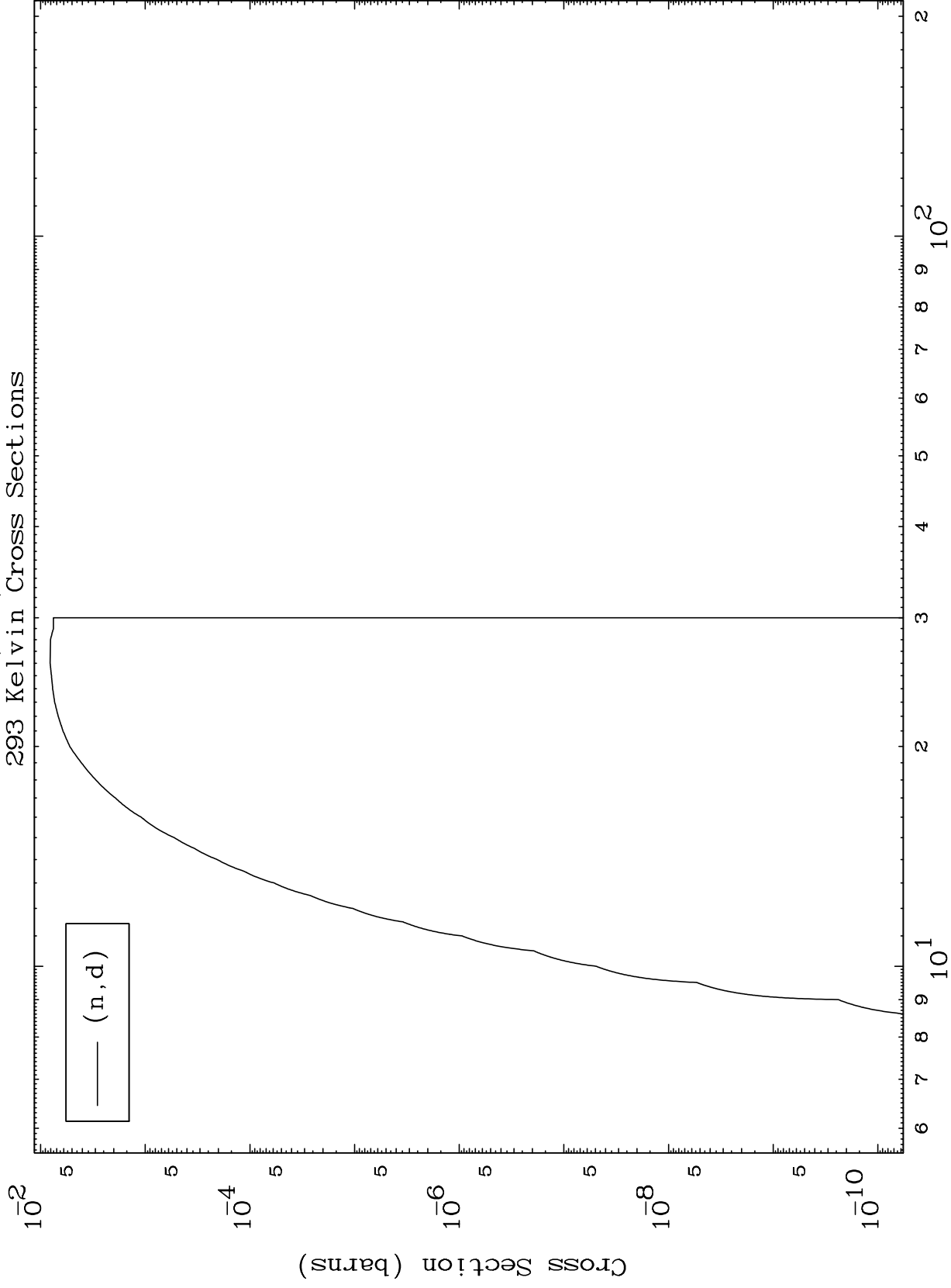
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-139



11

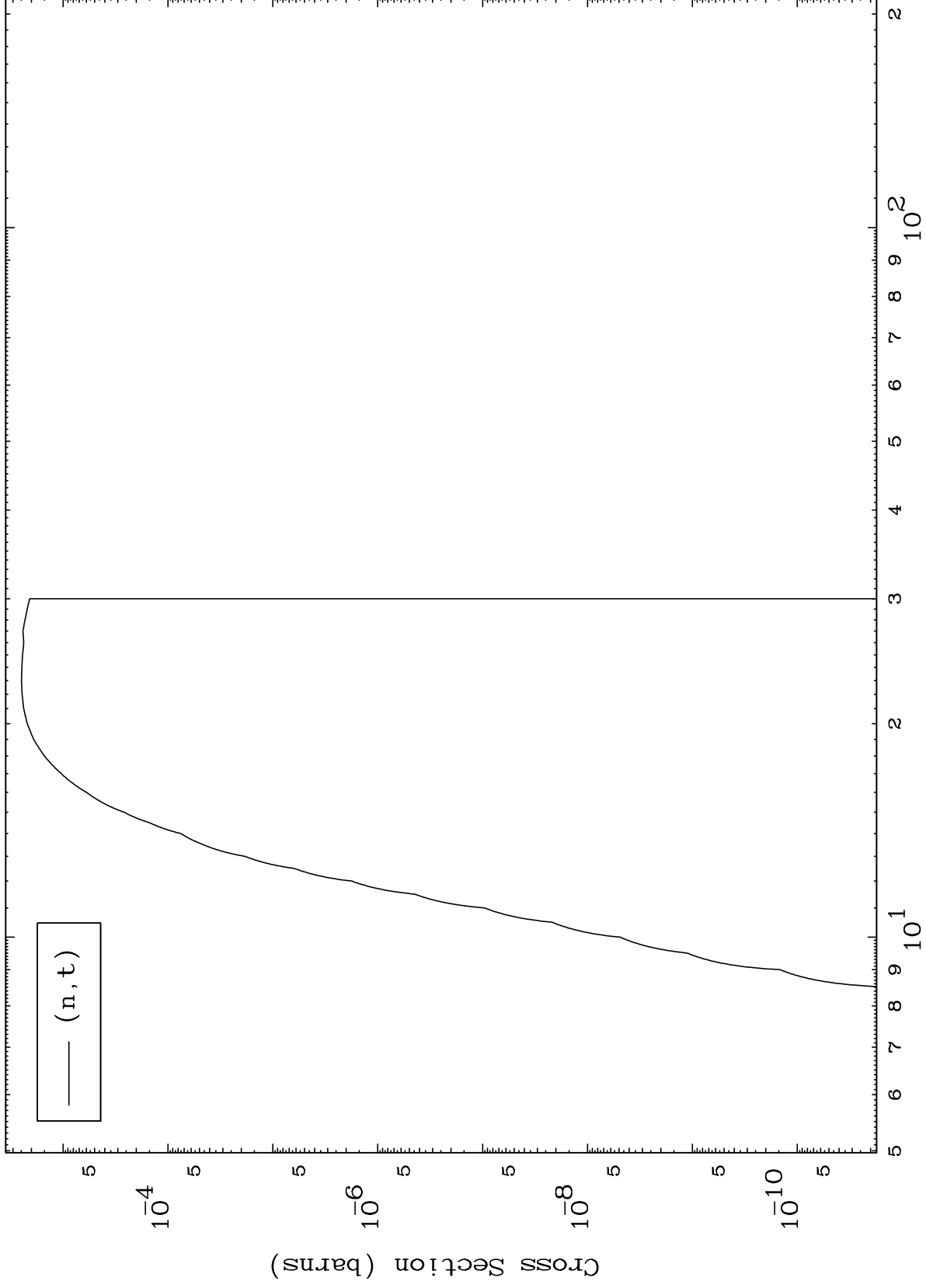
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-139



12

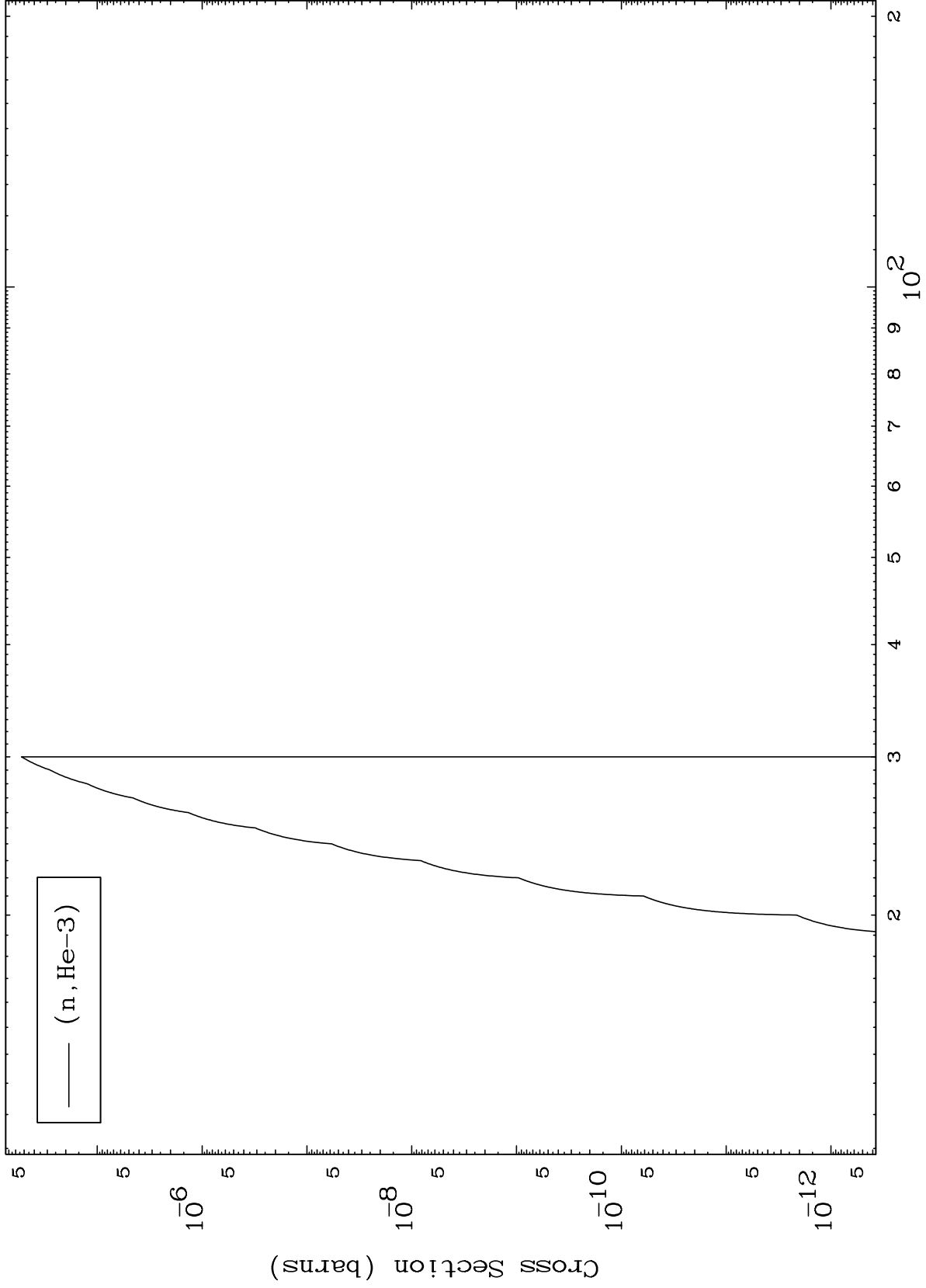
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-139



13

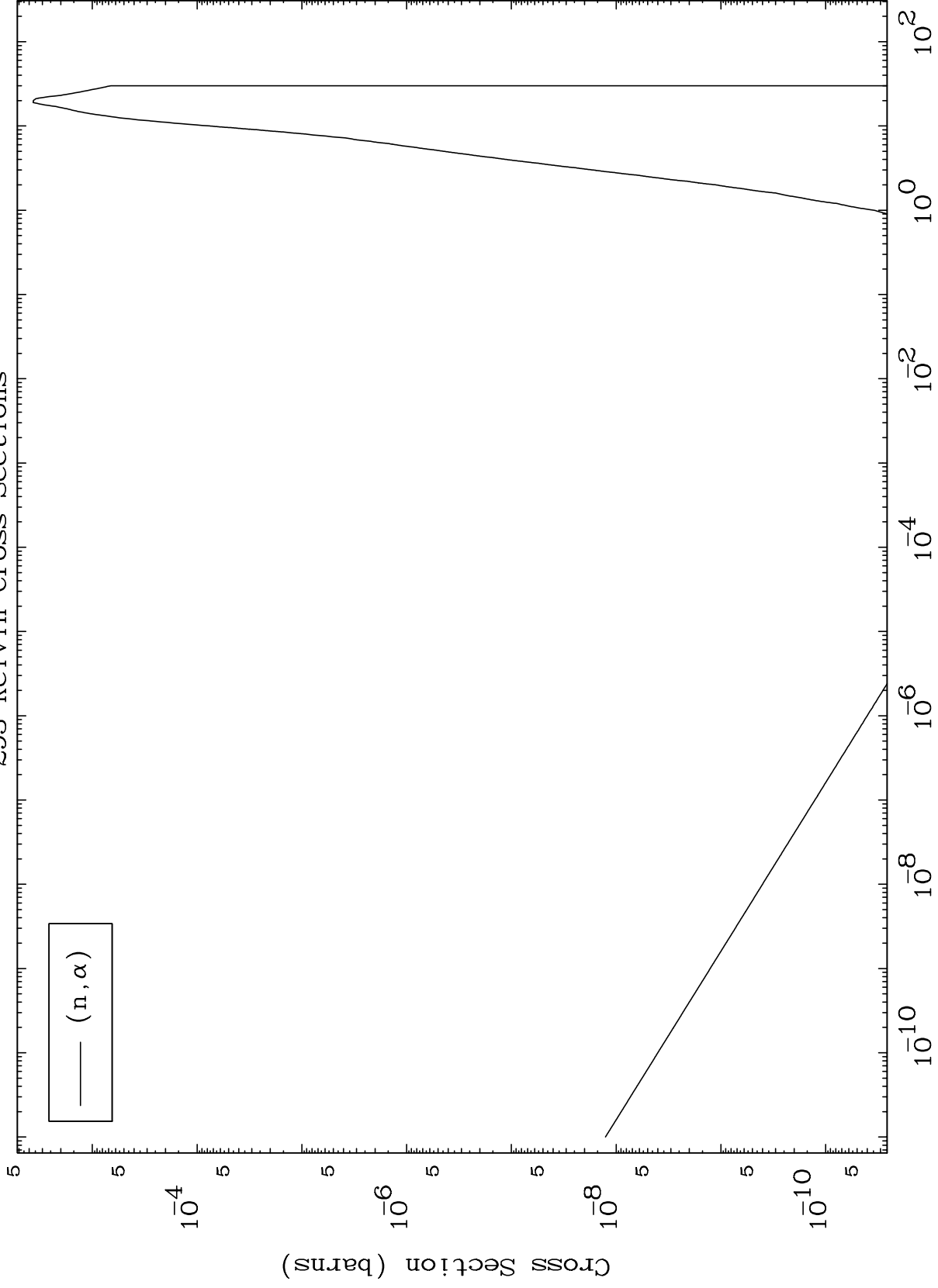
Incident Energy (MeV)

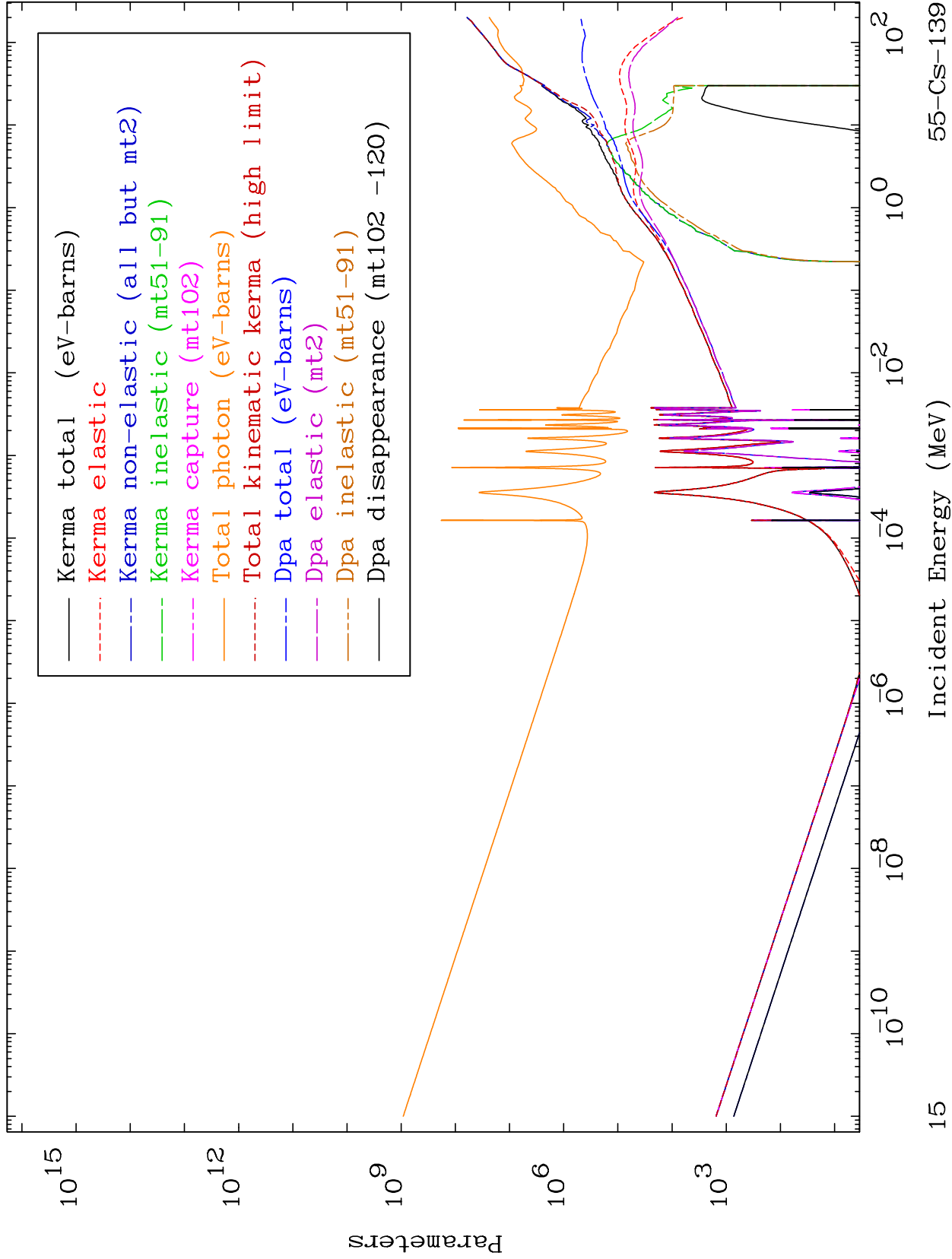
55-Cs-139

MAT 5543

(n, α) Levels
293 Kelvin Cross Sections

55-Cs-139

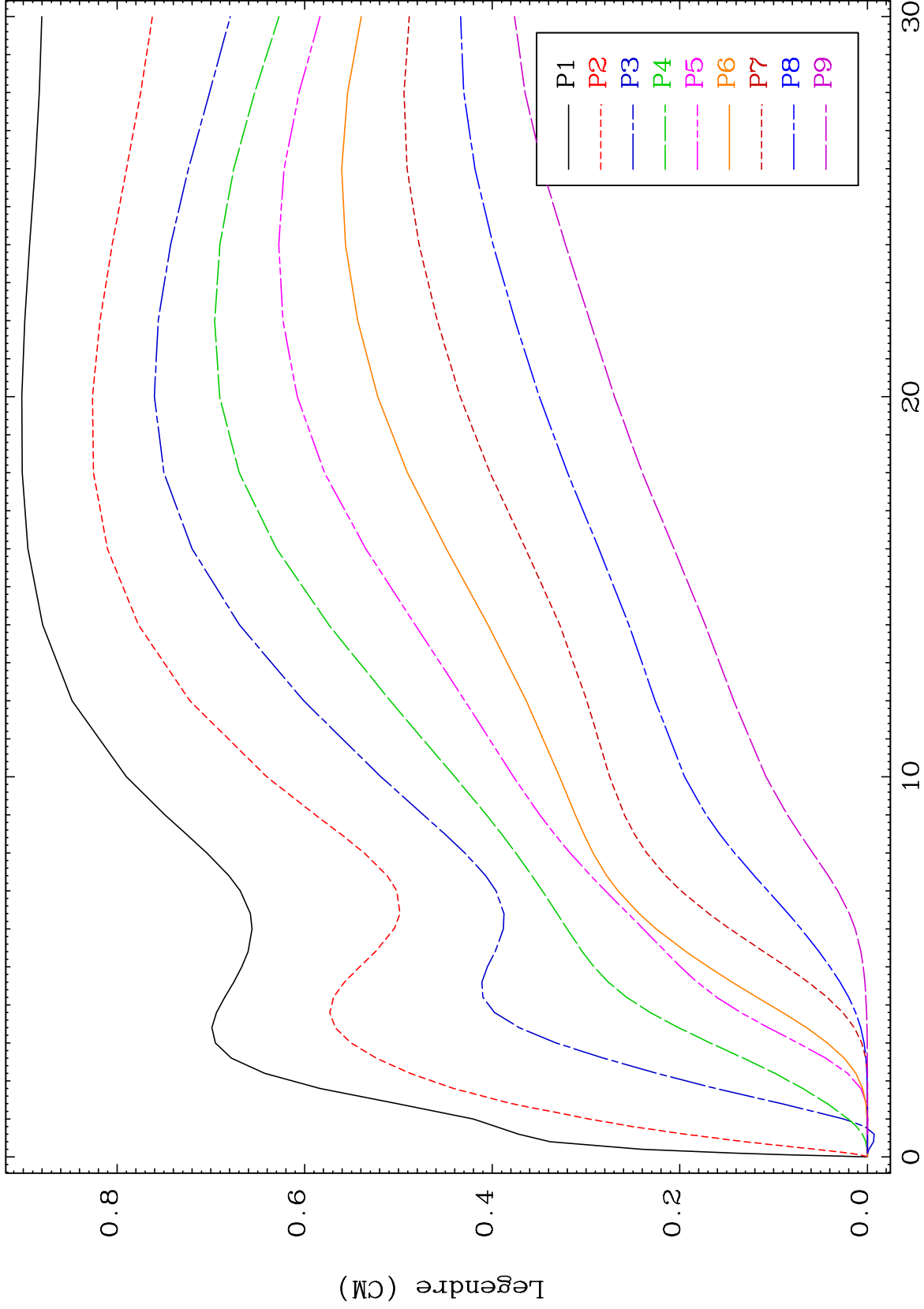




MAT 5543

Elastic Legendre Coefficients

55-Cs-139



16

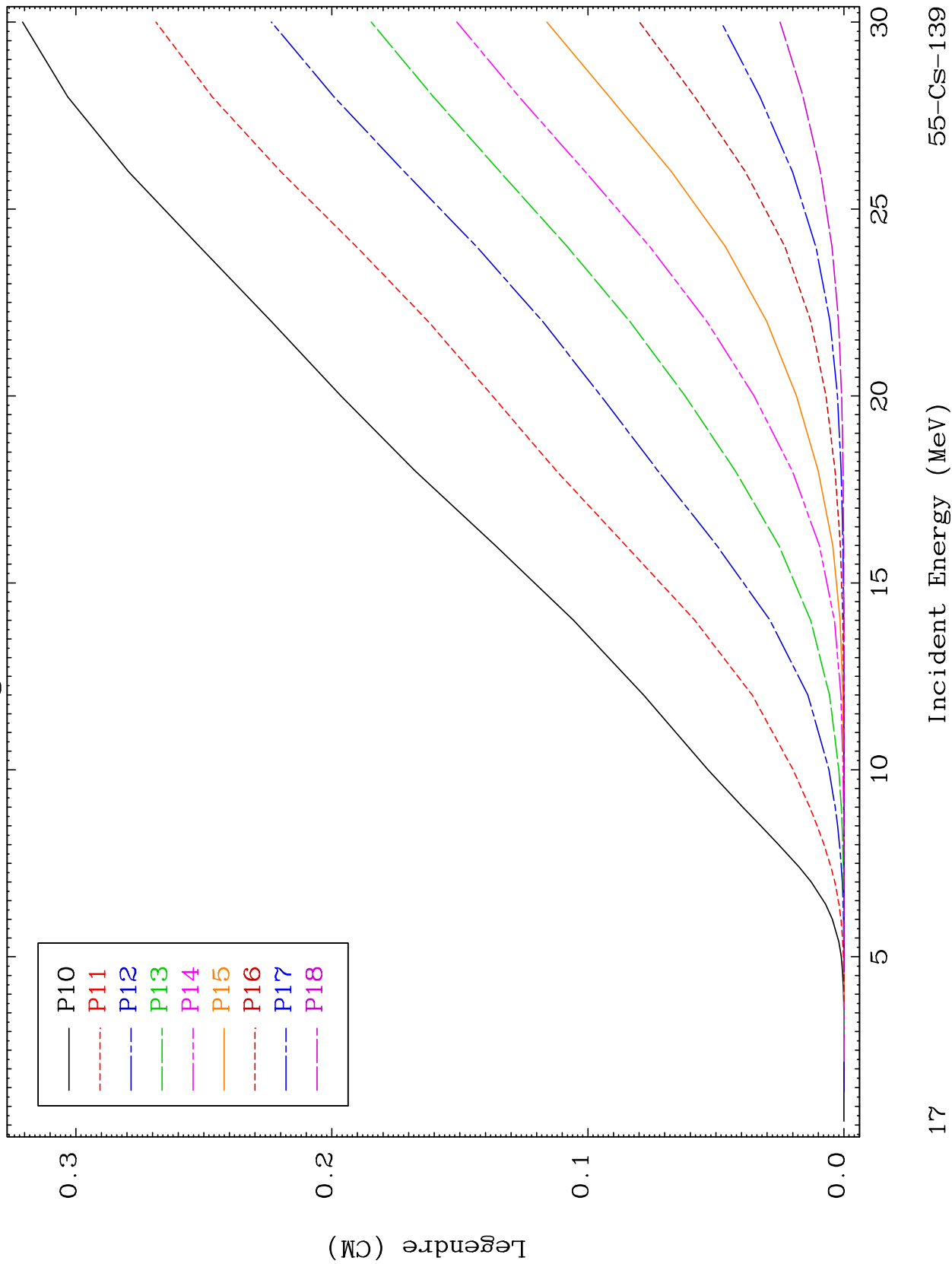
Incident Energy (MeV)

55-Cs-139

MAT 5543

Elastic Legendre Coefficients

55-Cs-139



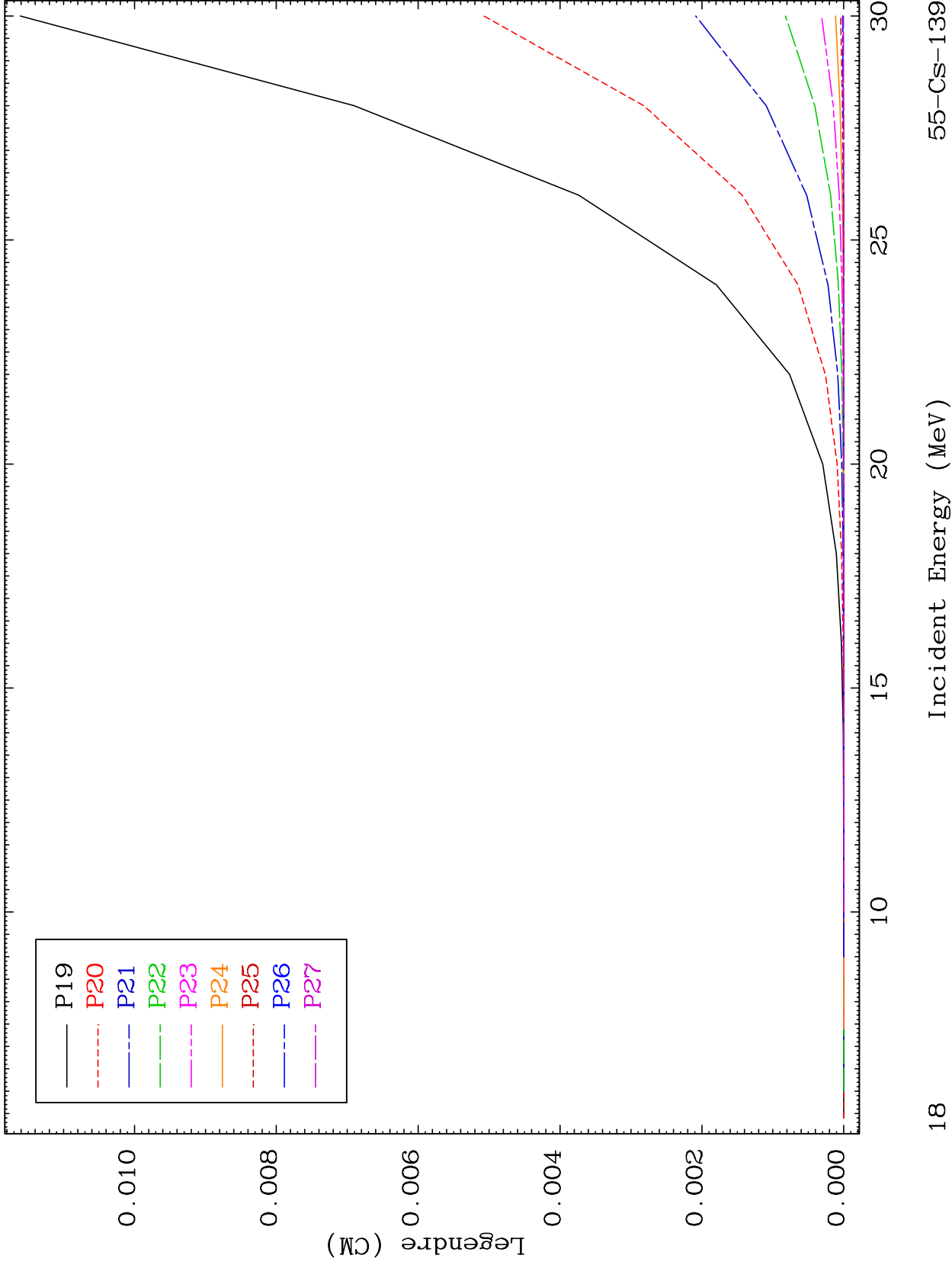
17

55-Cs-139

MAT 5543

Elastic Legendre Coefficients

55-Cs-139

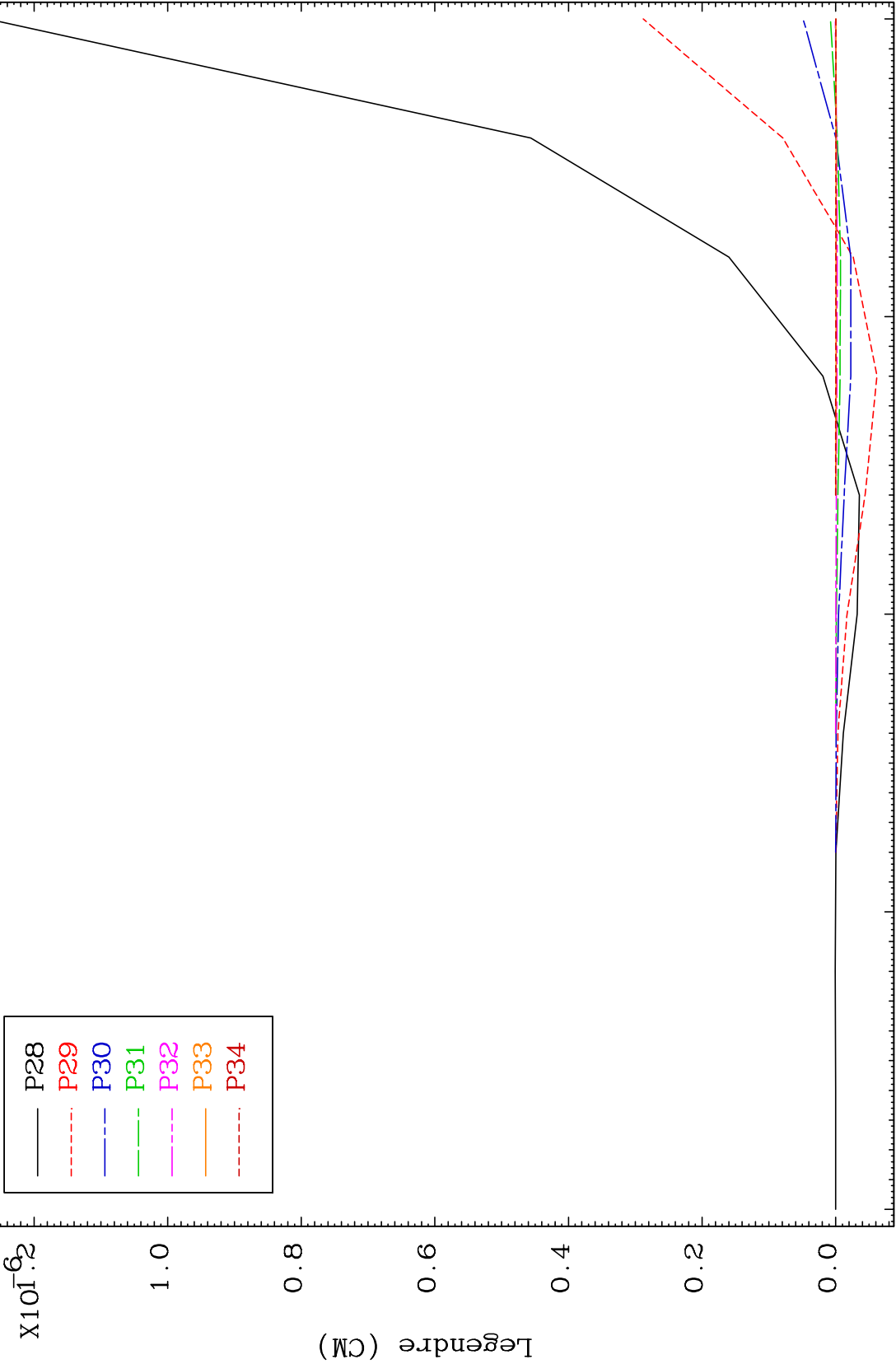
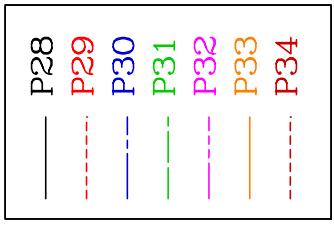


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 5543

Elastic Legendre Coefficients

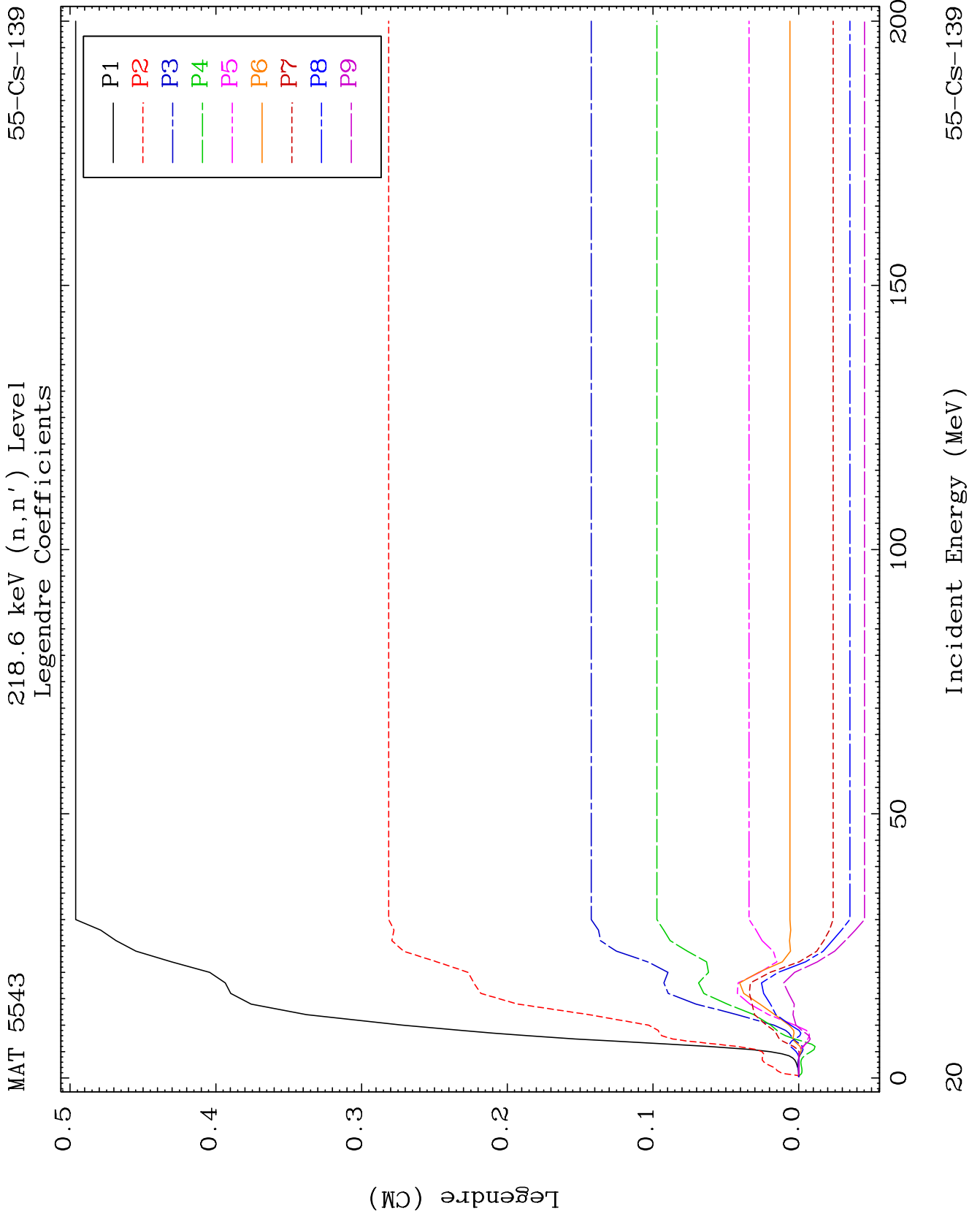
55-Cs-139



55-Cs-139

Incident Energy (MeV)

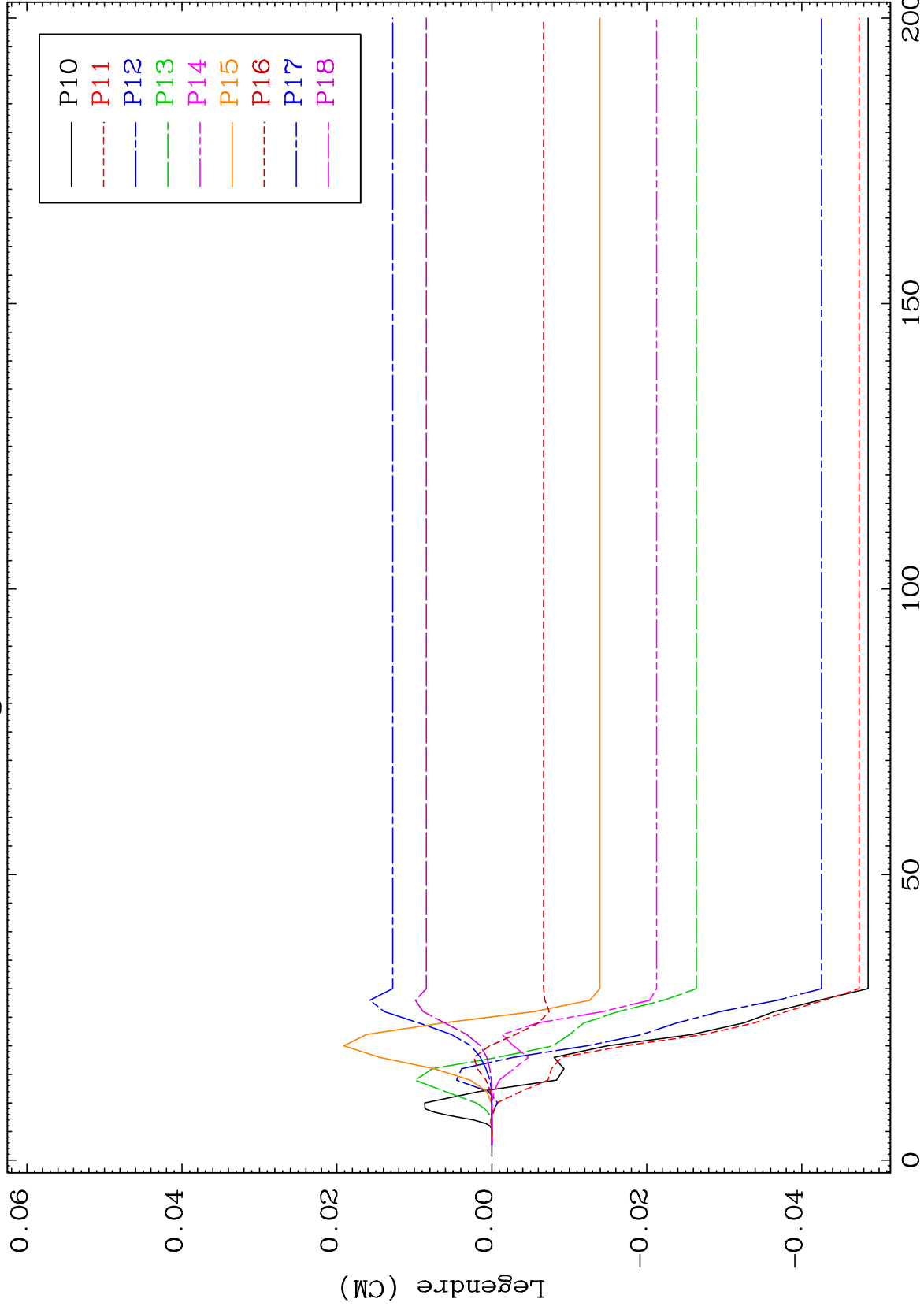
19



MAT 5543

218.6 keV (n,n') Level
Legendre Coefficients

55-Cs-139



21

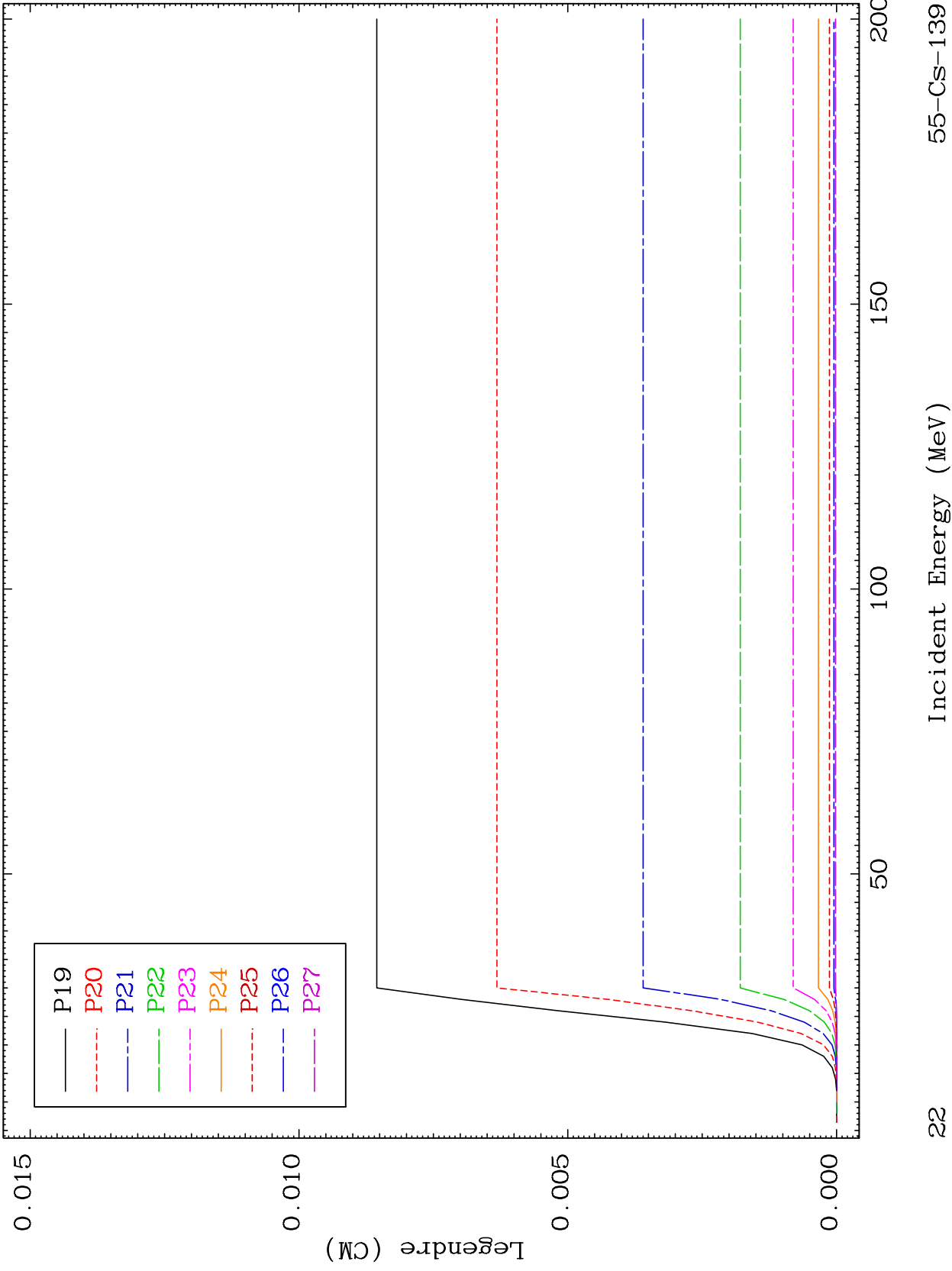
Incident Energy (MeV)

55-Cs-139

MAT 5543

218.6 keV (n,n') Level
Legendre Coefficients

55-Cs-139



22

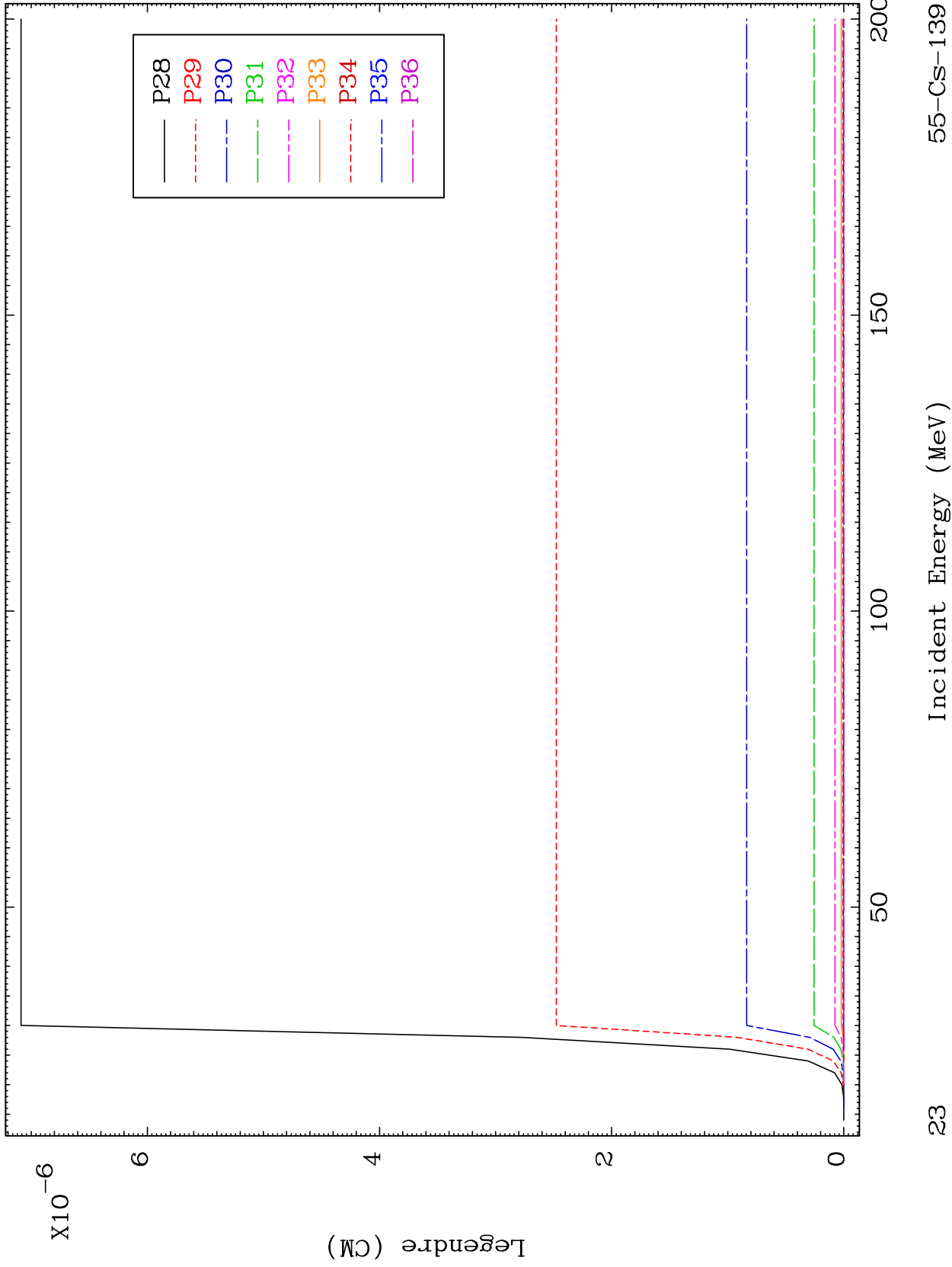
Incident Energy (MeV)

55-Cs-139

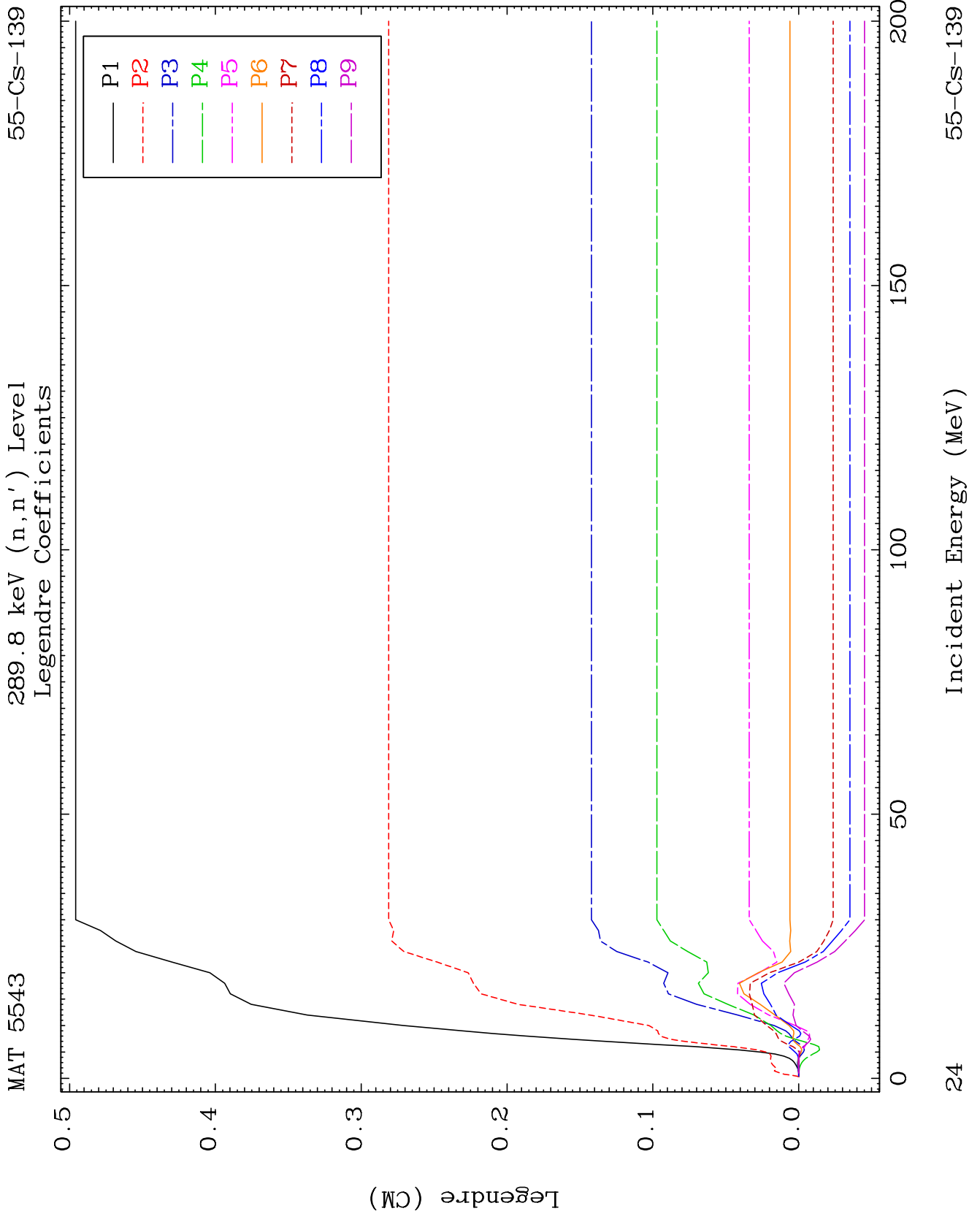
MAT 5543

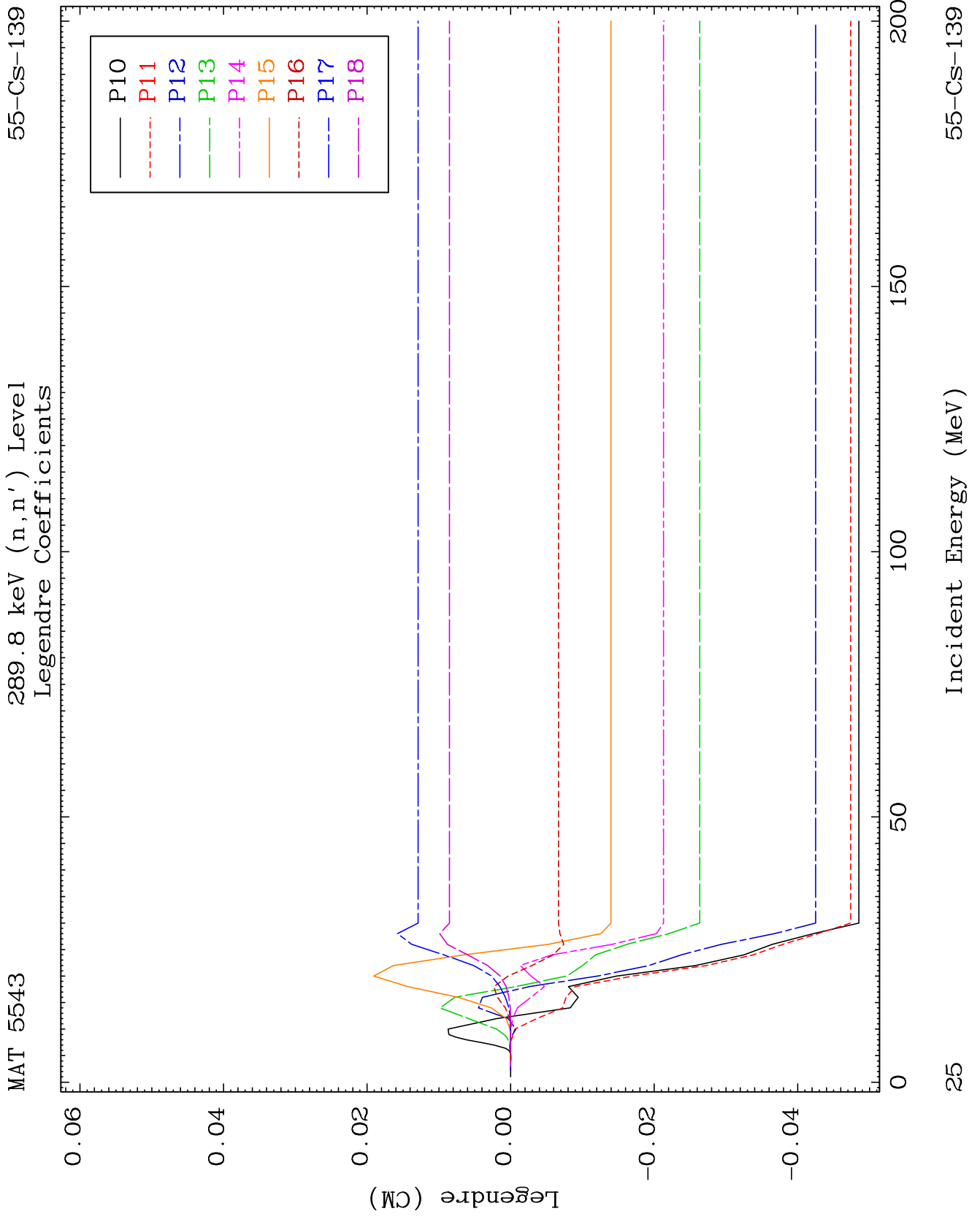
218.6 keV (n,n') Level
Legendre Coefficients

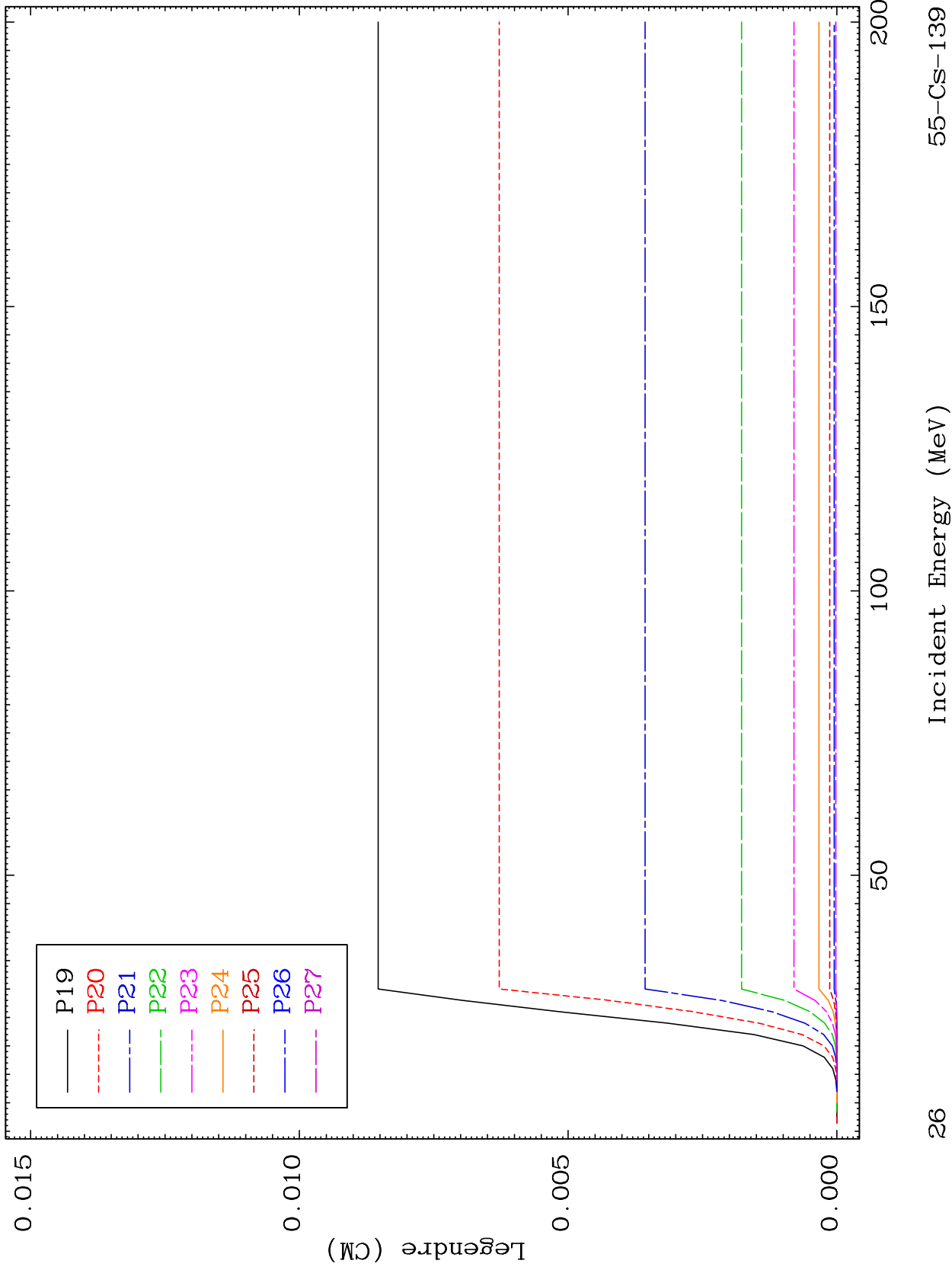
55-Cs-139



23



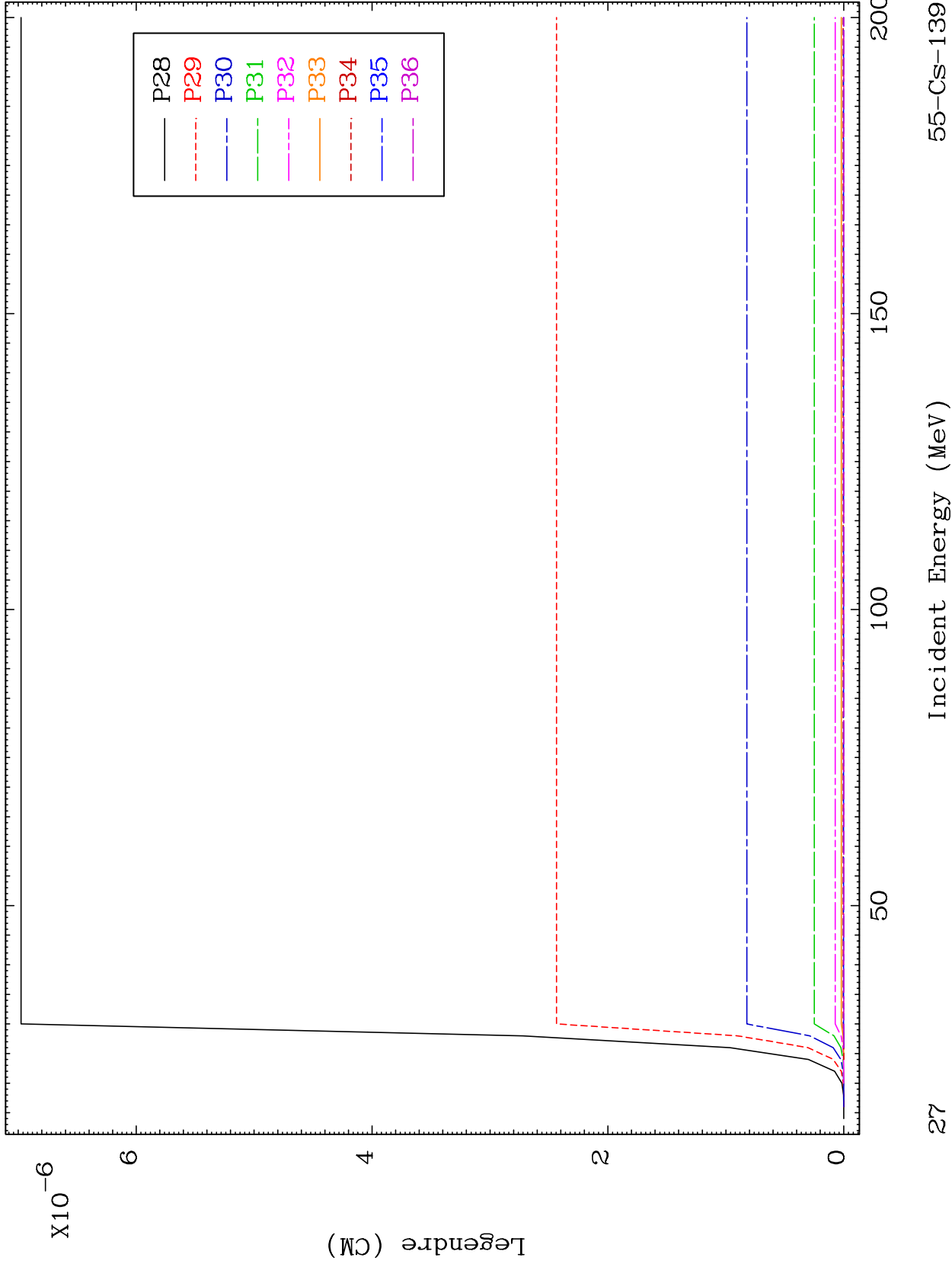




MAT 5543

289.8 keV (n,n') Level
Legendre Coefficients

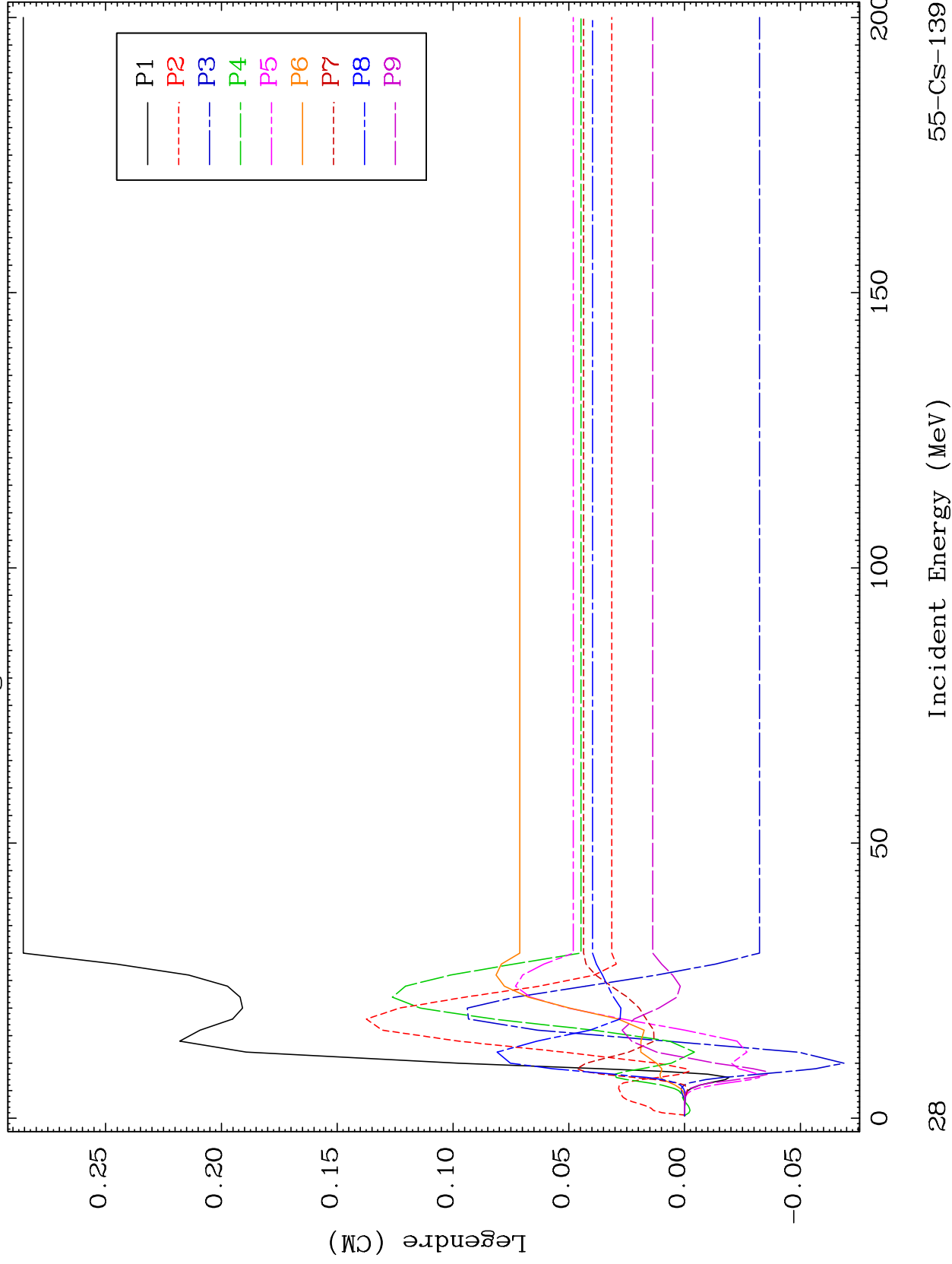
55-Cs-139



MAT 5543

393.5 keV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

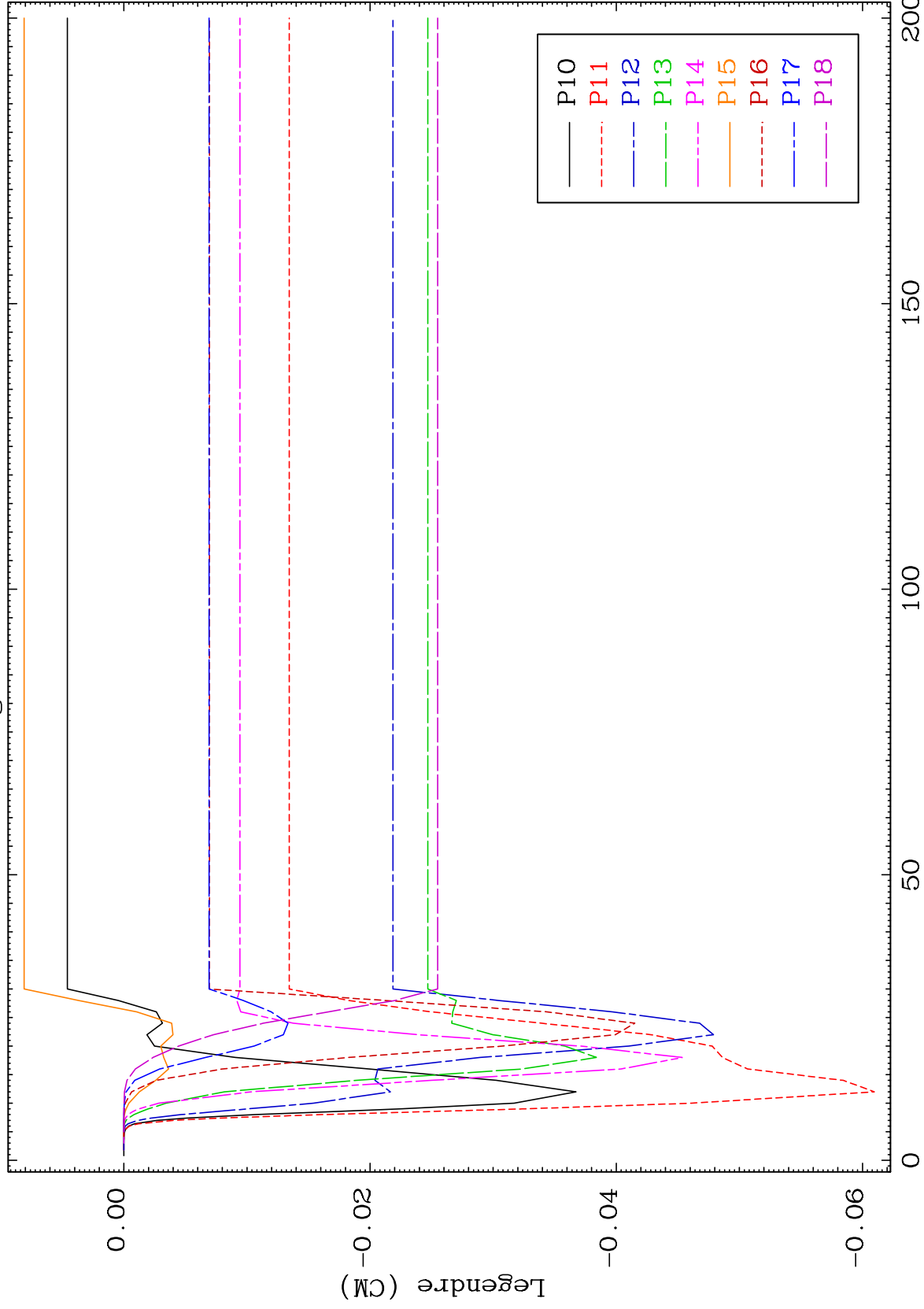
Incident Energy (MeV)

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MAT 5543

393.5 keV (n,n') Level
Legendre Coefficients

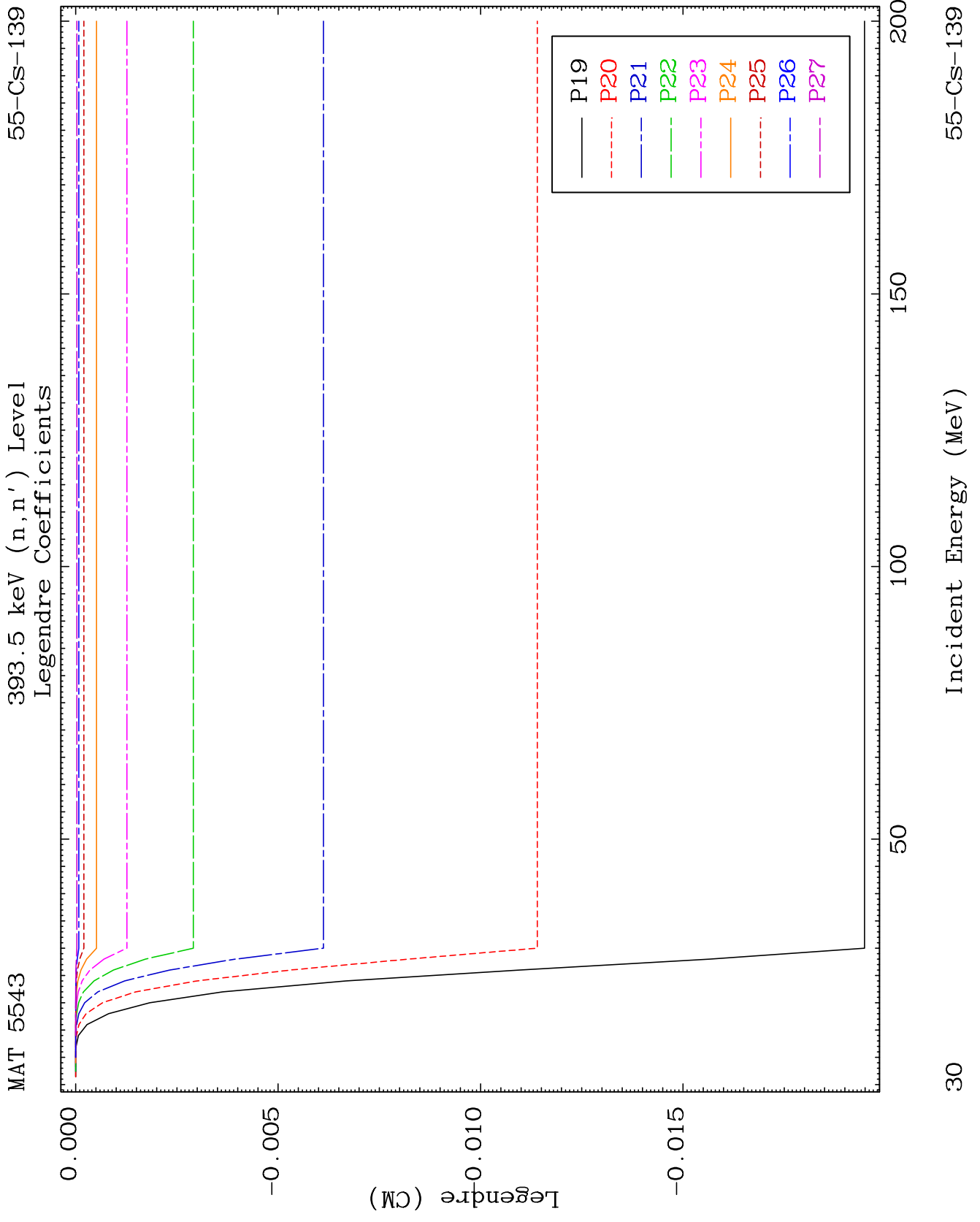
55-Cs-139

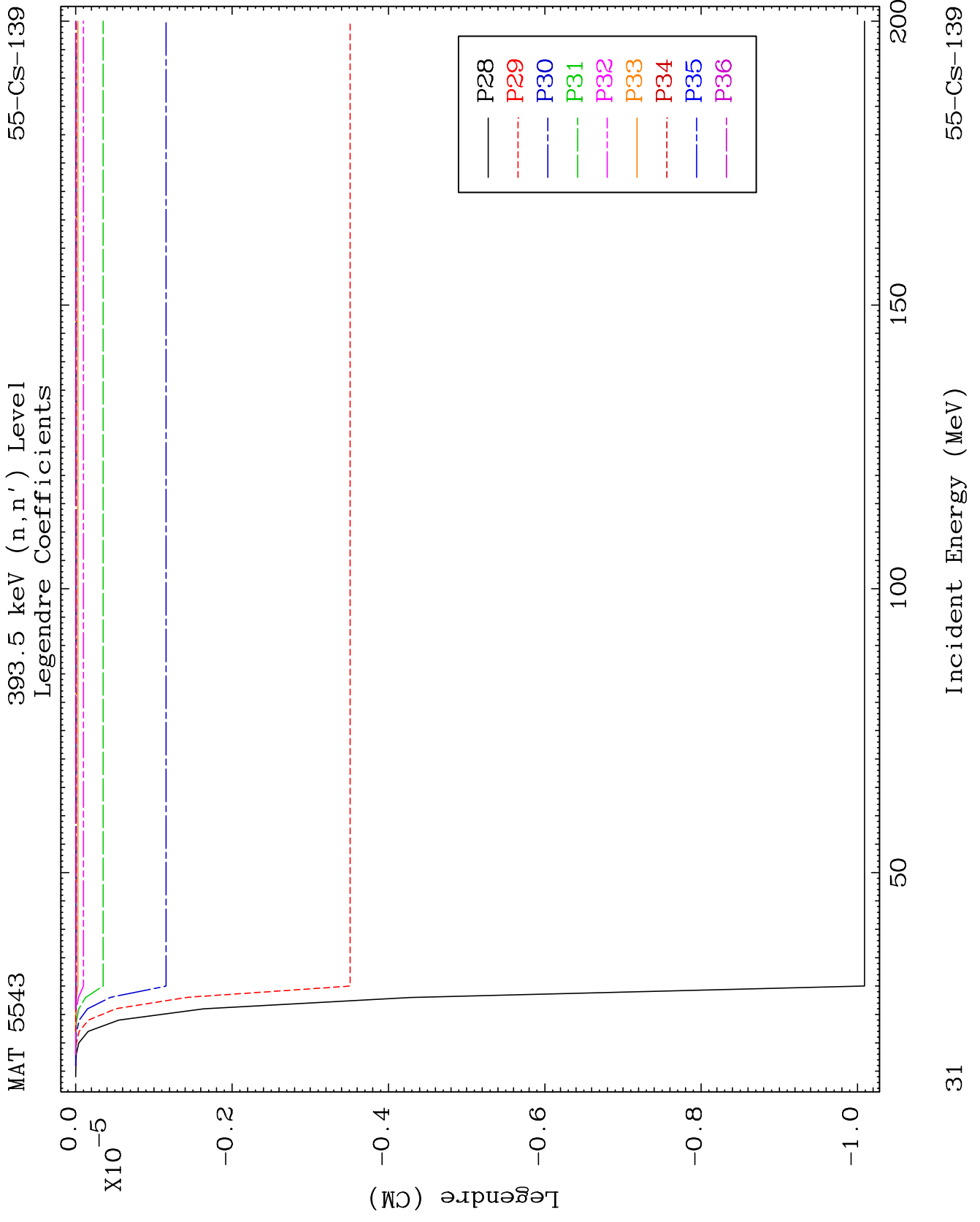


29

Incident Energy (MeV)

55-Cs-139

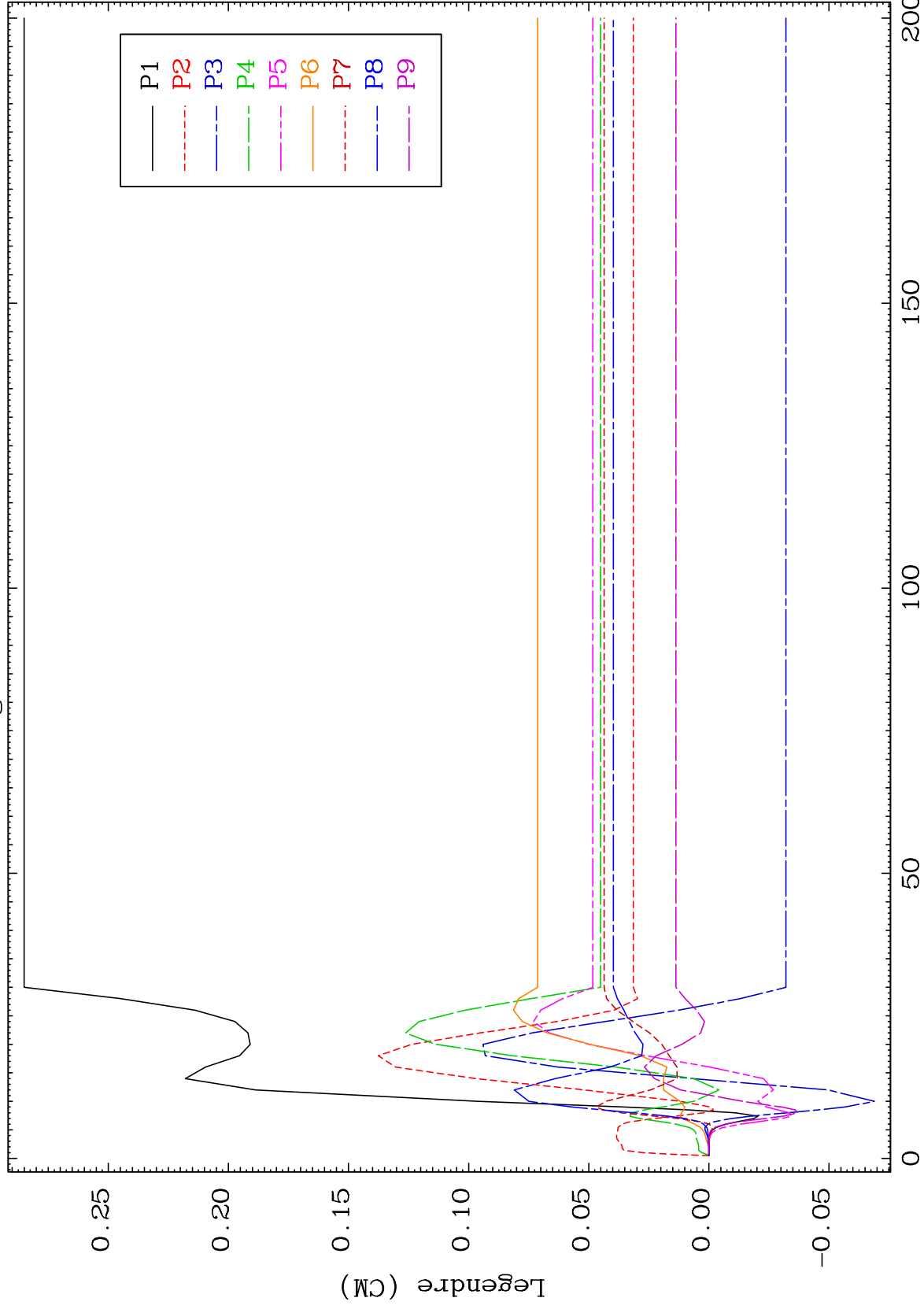




MAT 5543

454.5 keV (n,n') Level
Legendre Coefficients

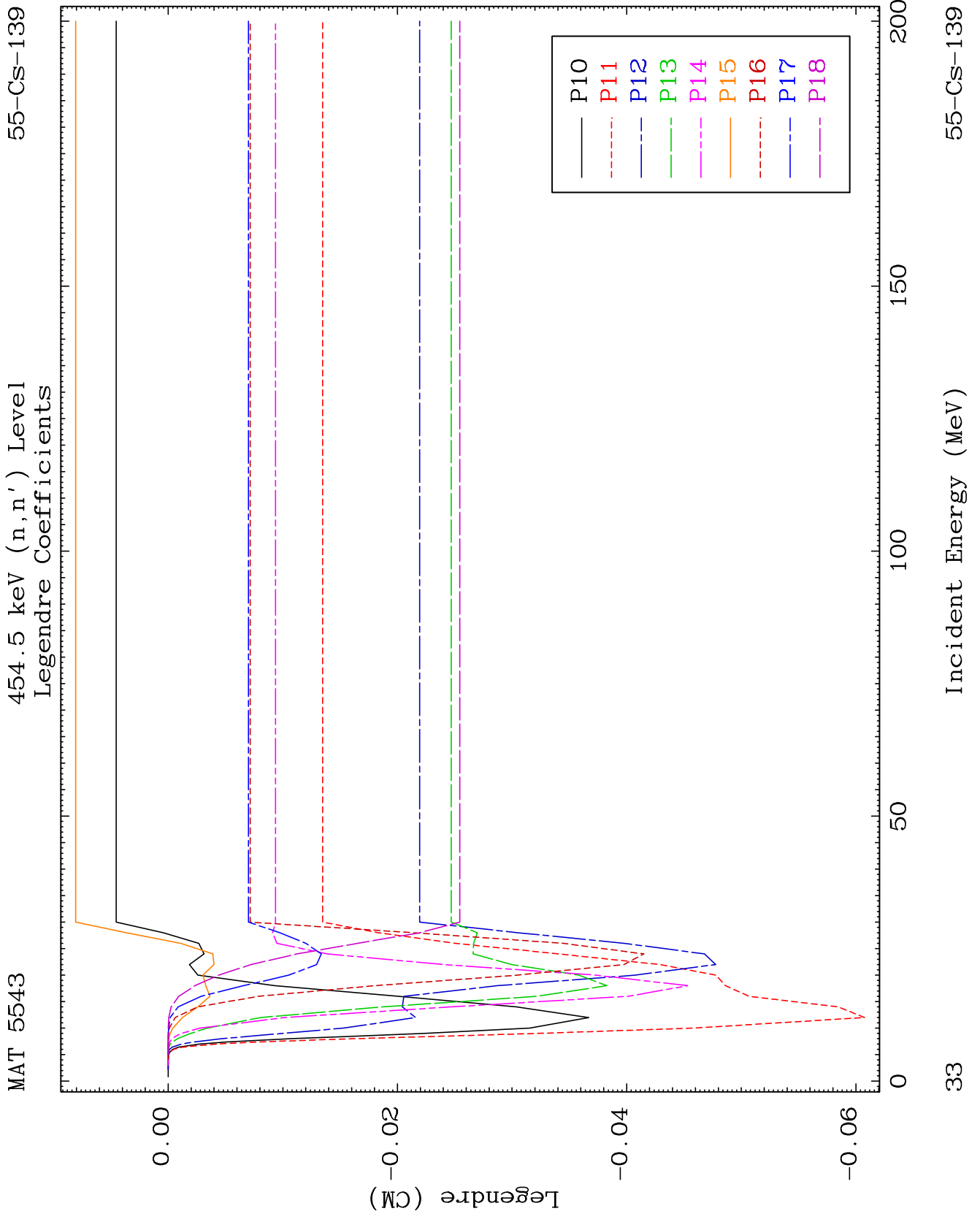
55-Cs-139

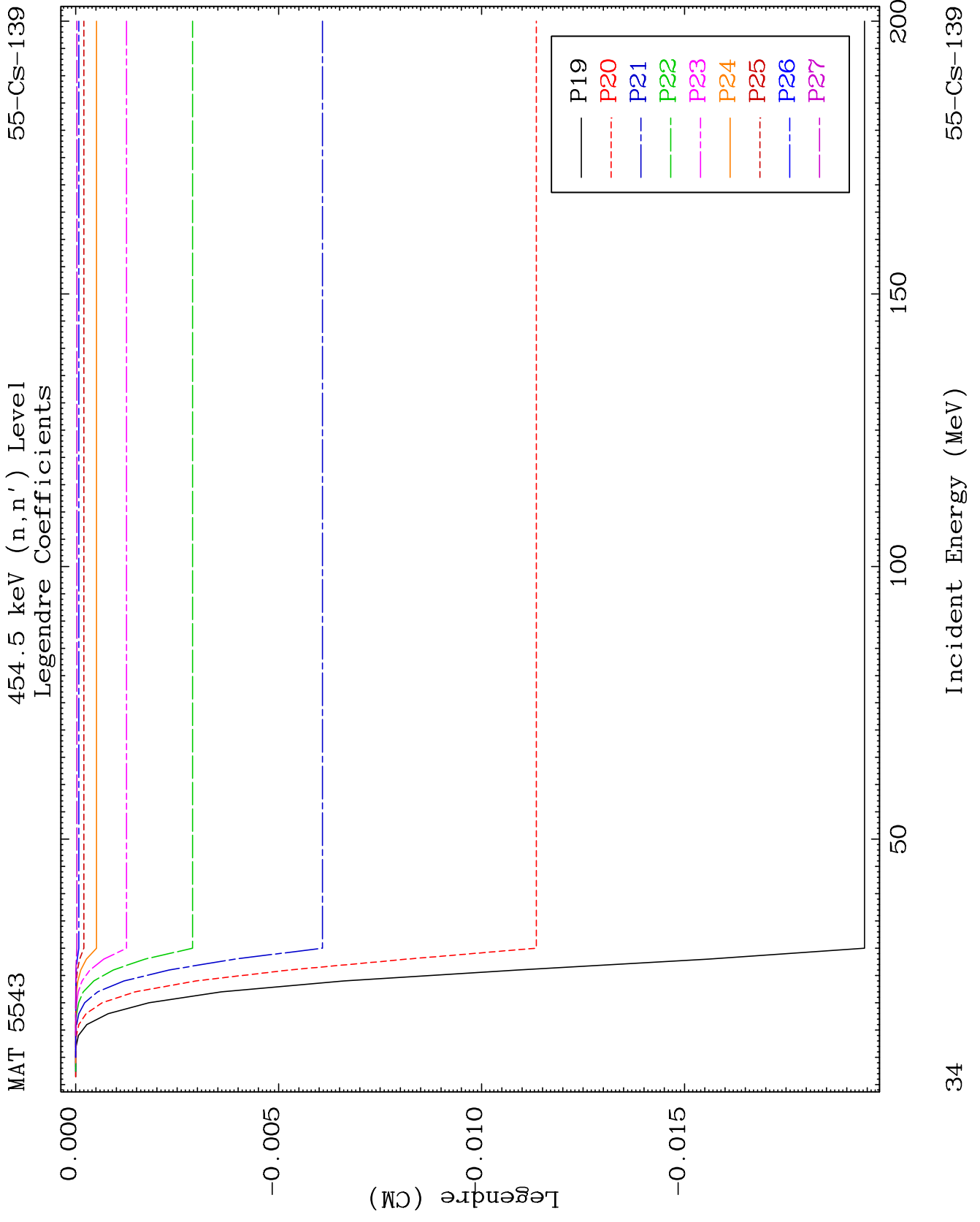


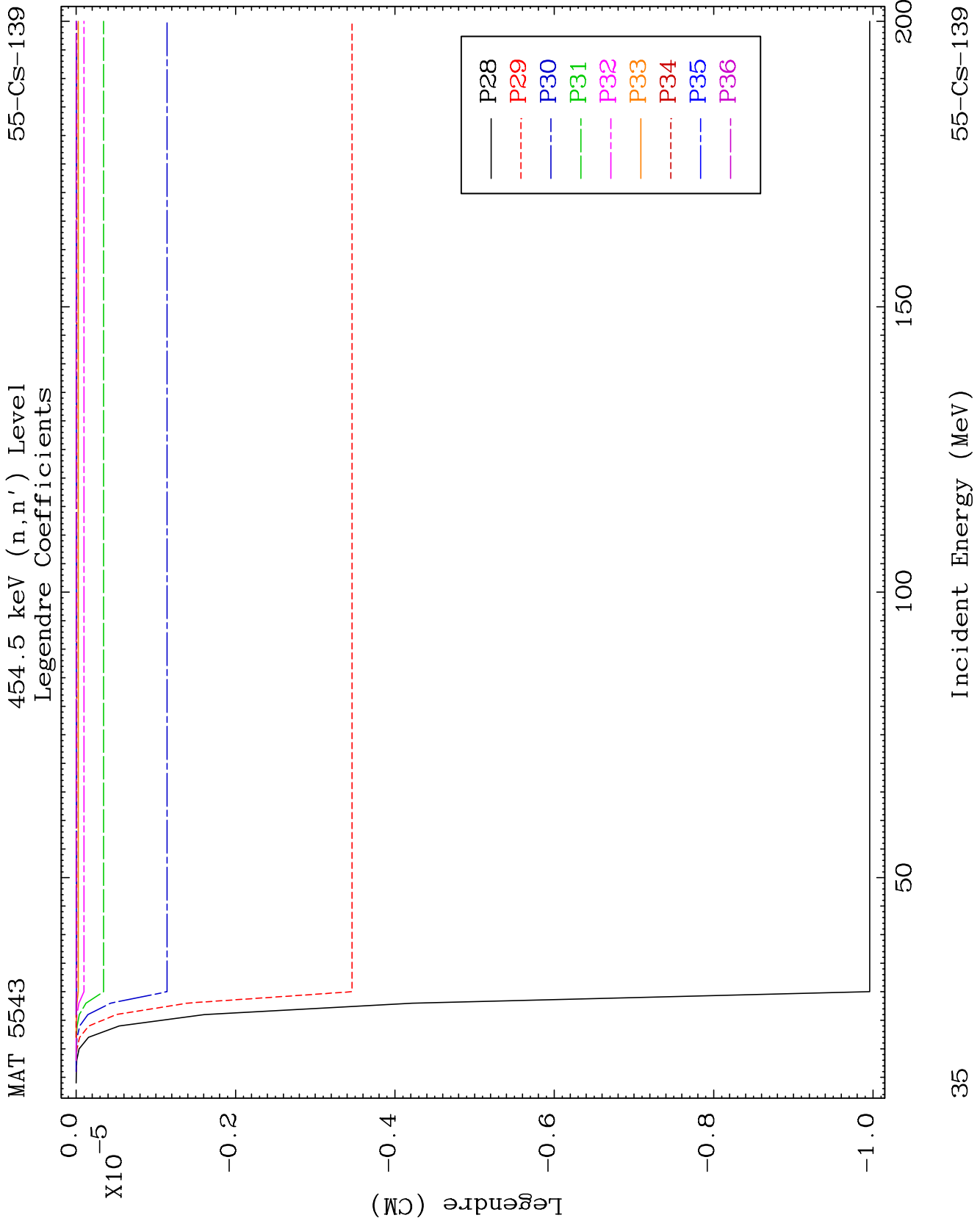
32

Incident Energy (MeV)

55-Cs-139



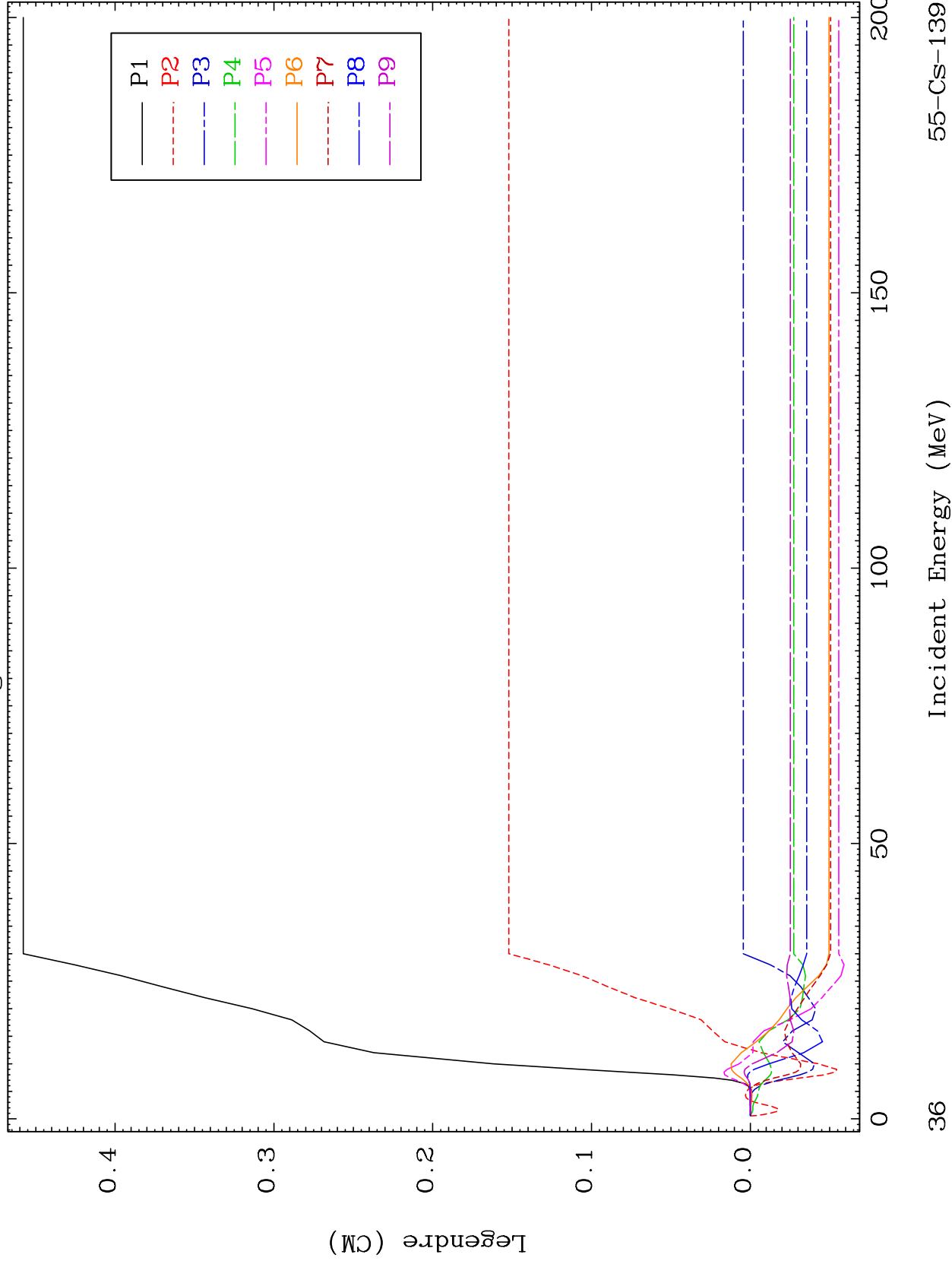




MAT 5543

515.2 keV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

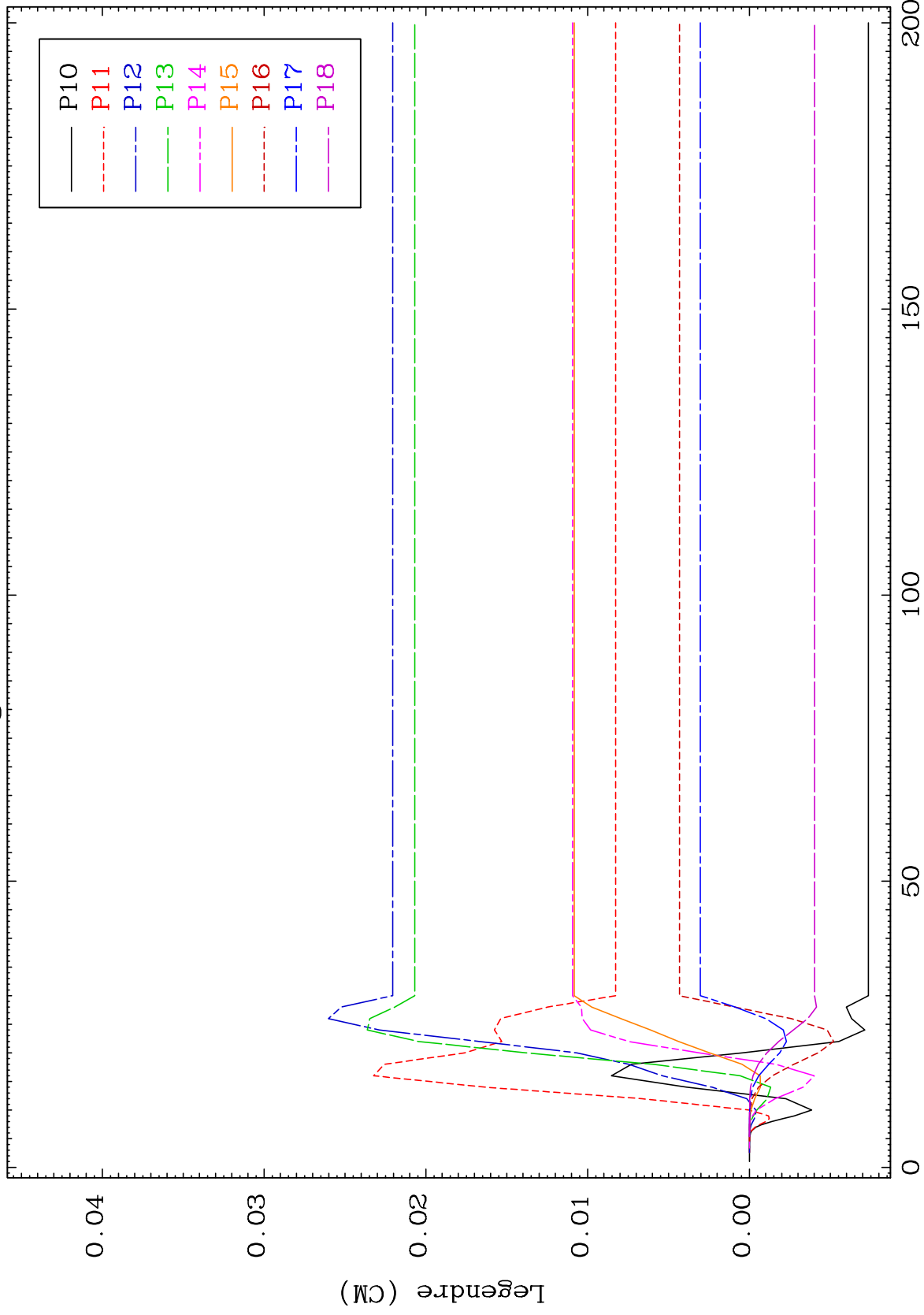
Incident Energy (MeV)

36

MAT 5543

515.2 keV (n,n') Level
Legendre Coefficients

55-Cs-139



37

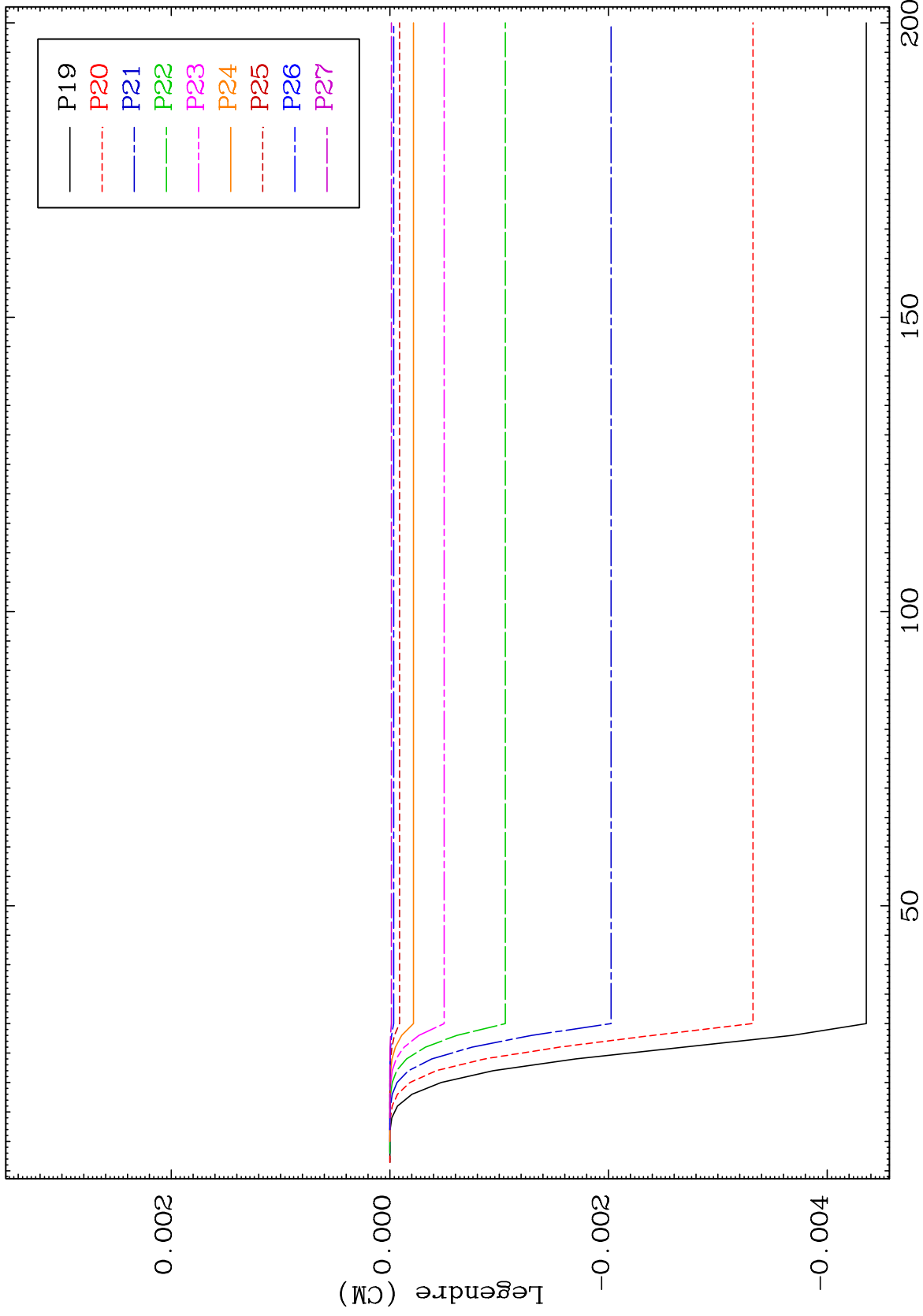
Incident Energy (MeV)

55-Cs-139

MAT 5543

515.2 keV (n,n') Level
Legendre Coefficients

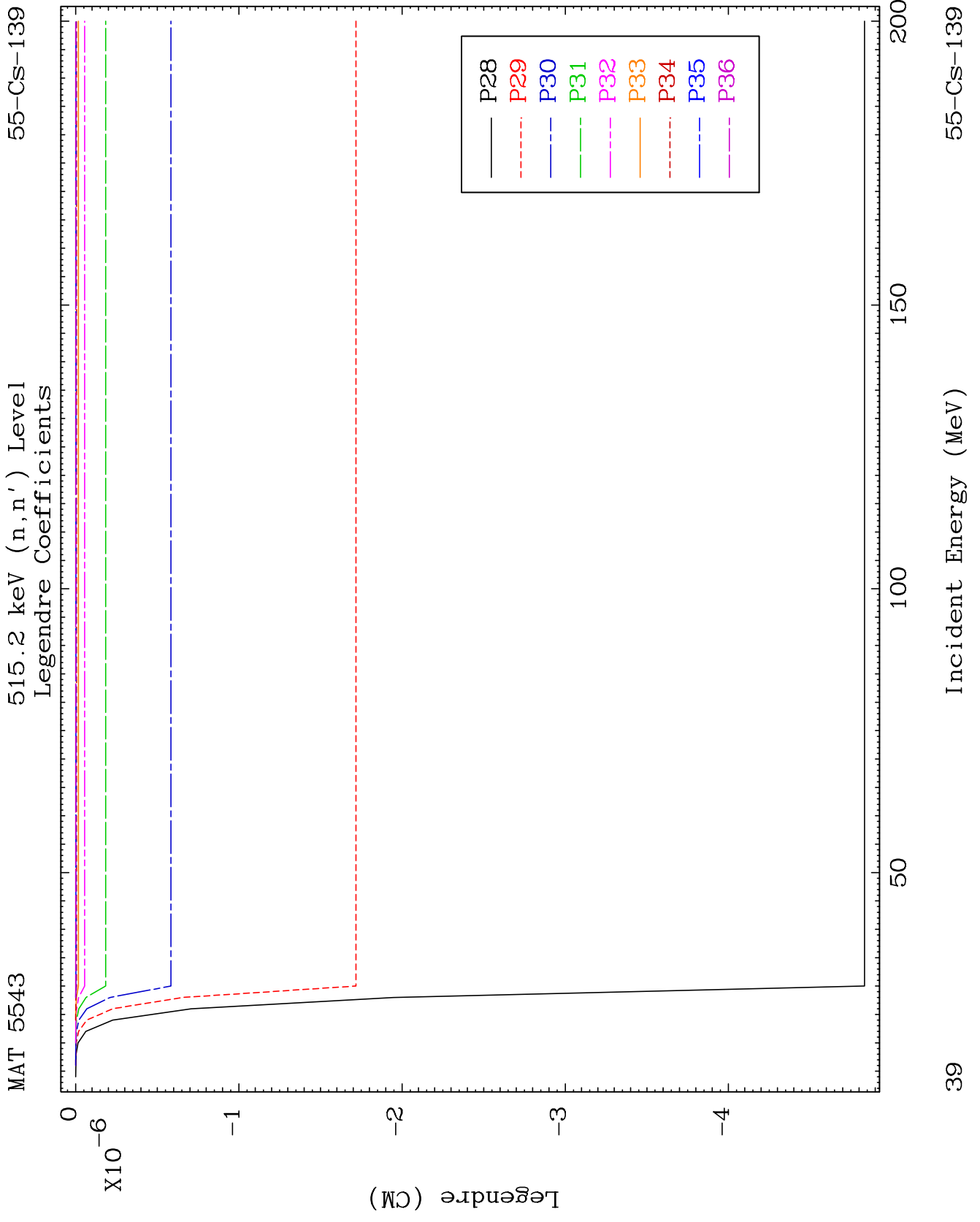
55-Cs-139

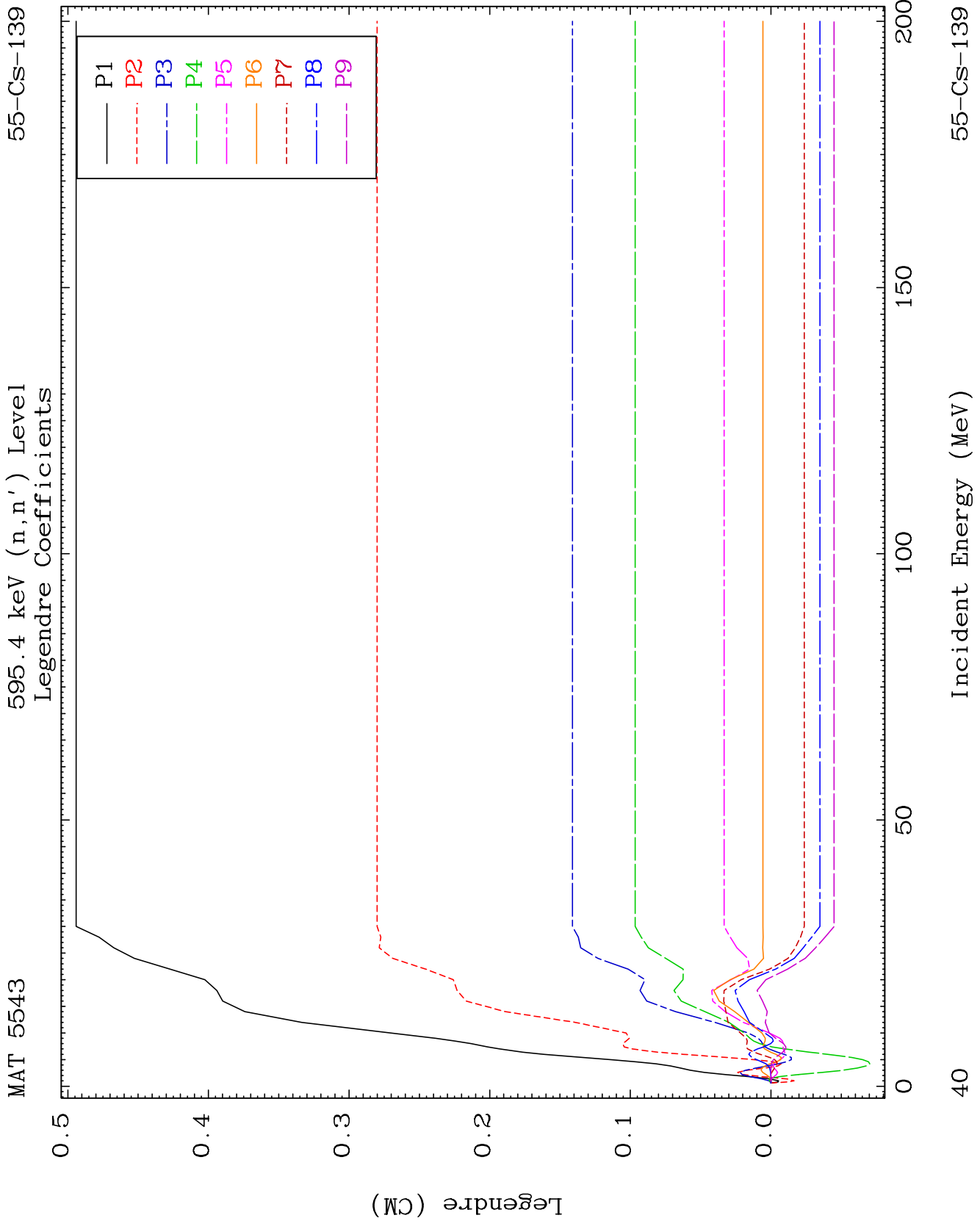


38

Incident Energy (MeV)

55-Cs-139

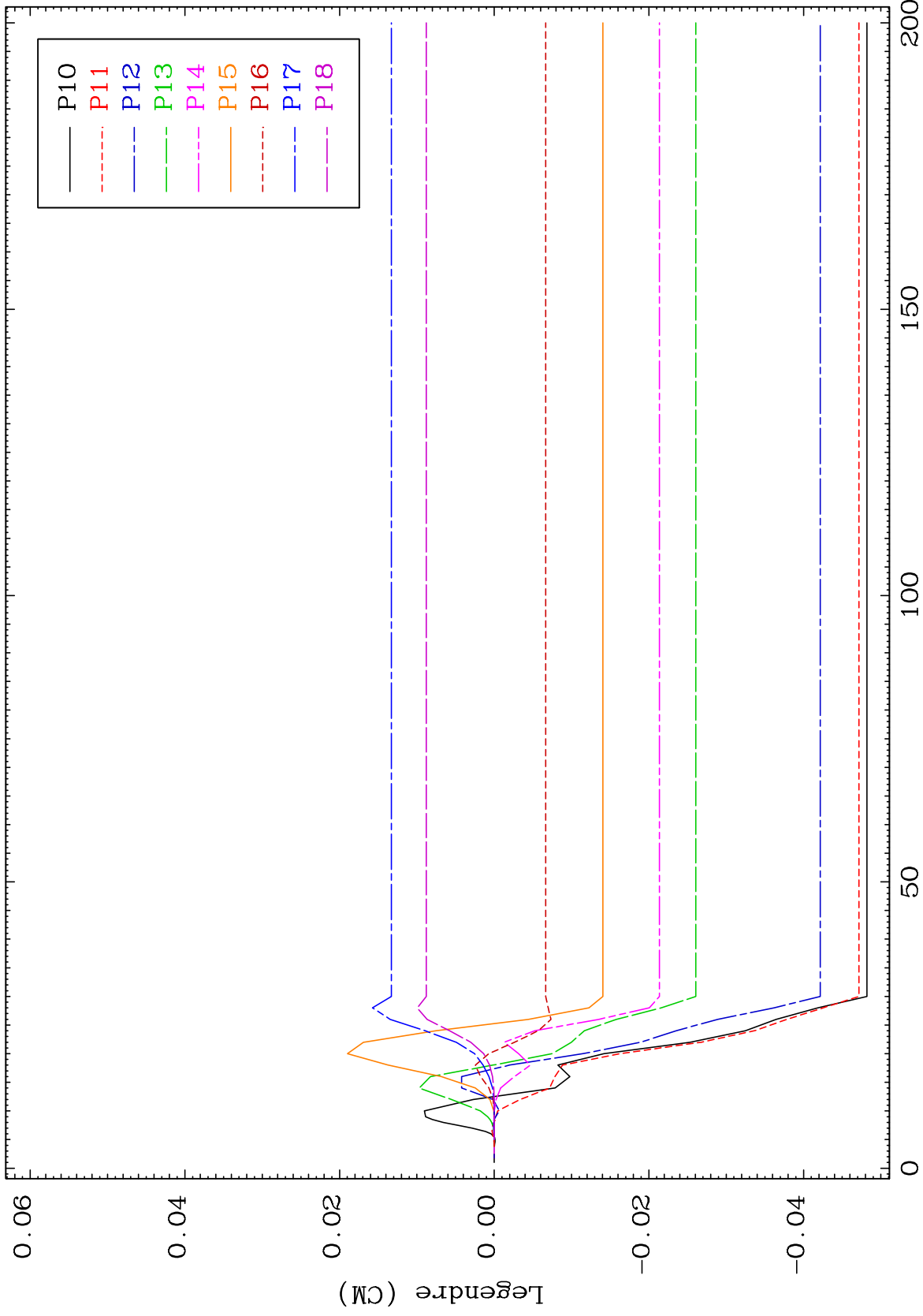




MAT 5543

595.4 keV (n,n') Level
Legendre Coefficients

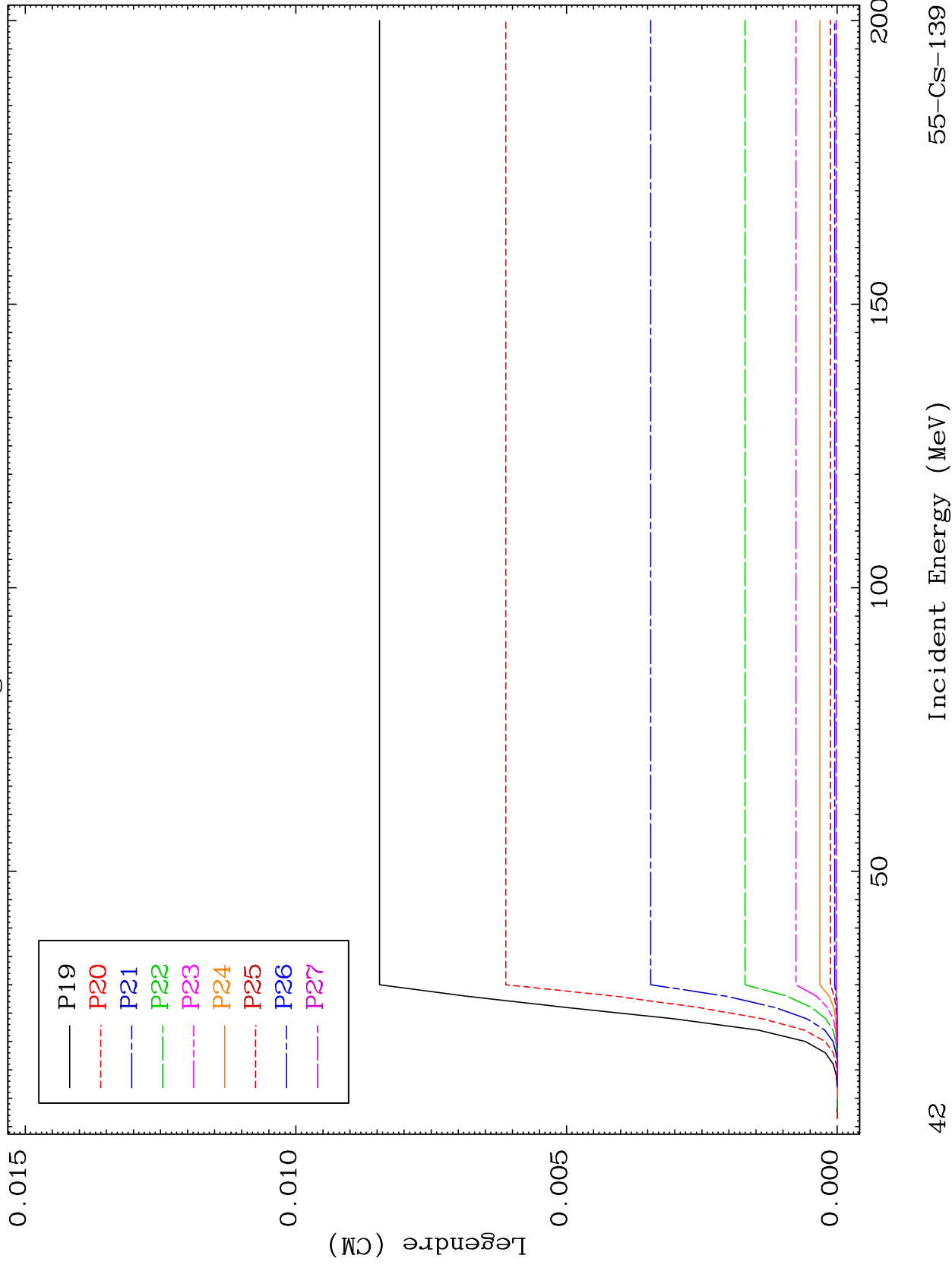
55-Cs-139



MAT 5543

595.4 keV (n,n') Level
Legendre Coefficients

55-Cs-139



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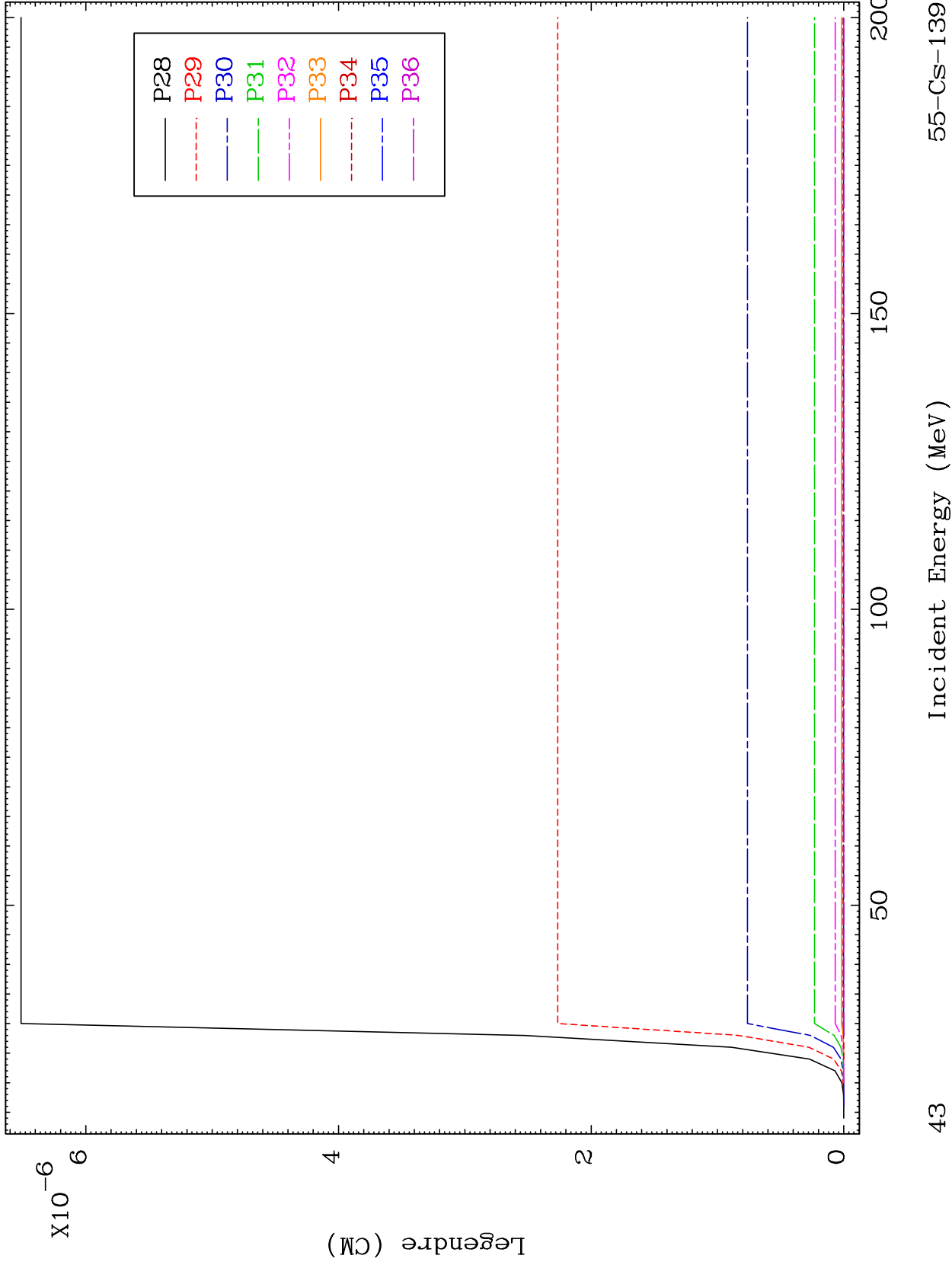
Incident Energy (MeV)

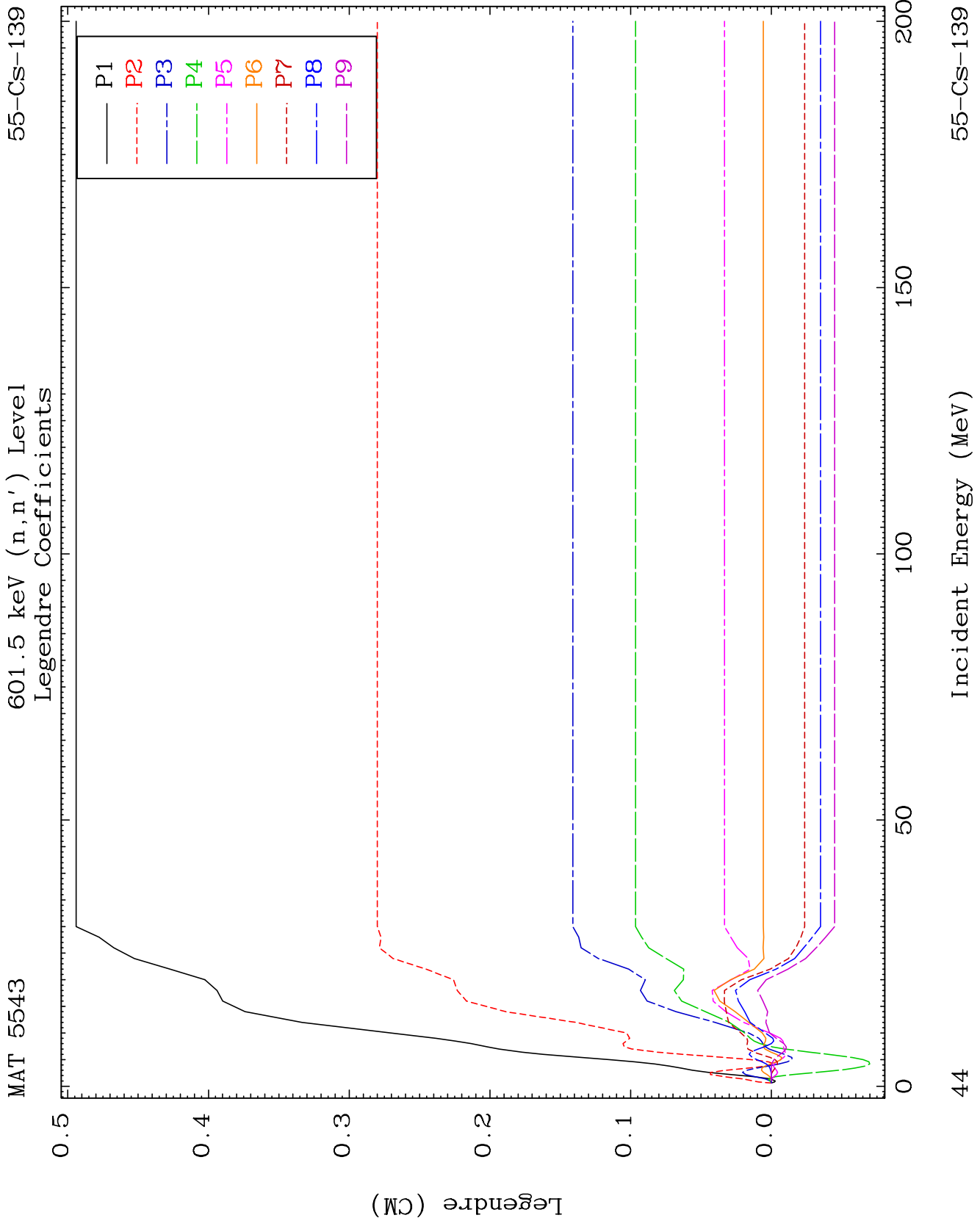
55-Cs-139

MAT 5543

595.4 keV (n,n') Level
Legendre Coefficients

55-Cs-139

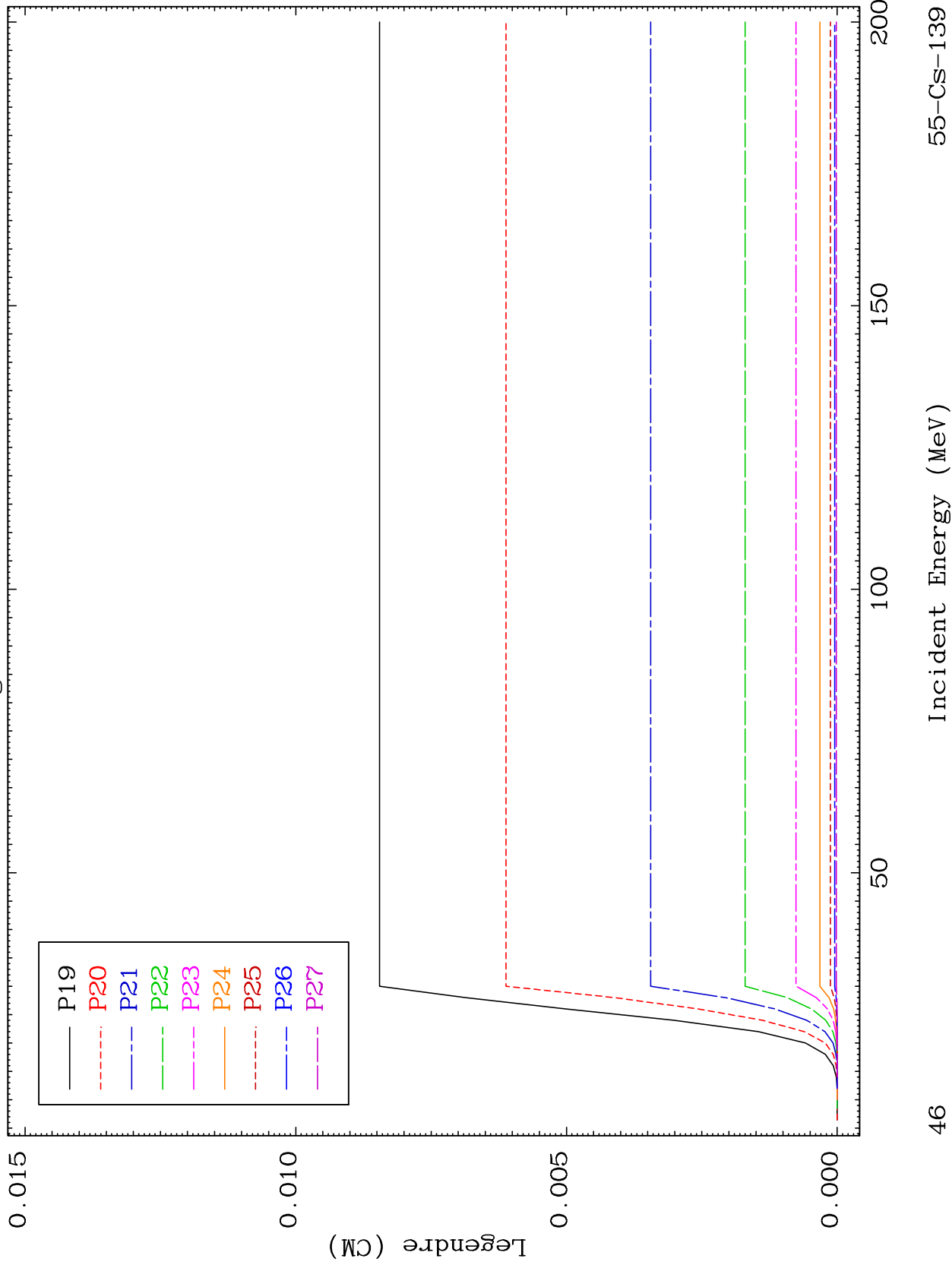




MAT 5543

601.5 keV (n,n') Level
Legendre Coefficients

55-Cs-139



46

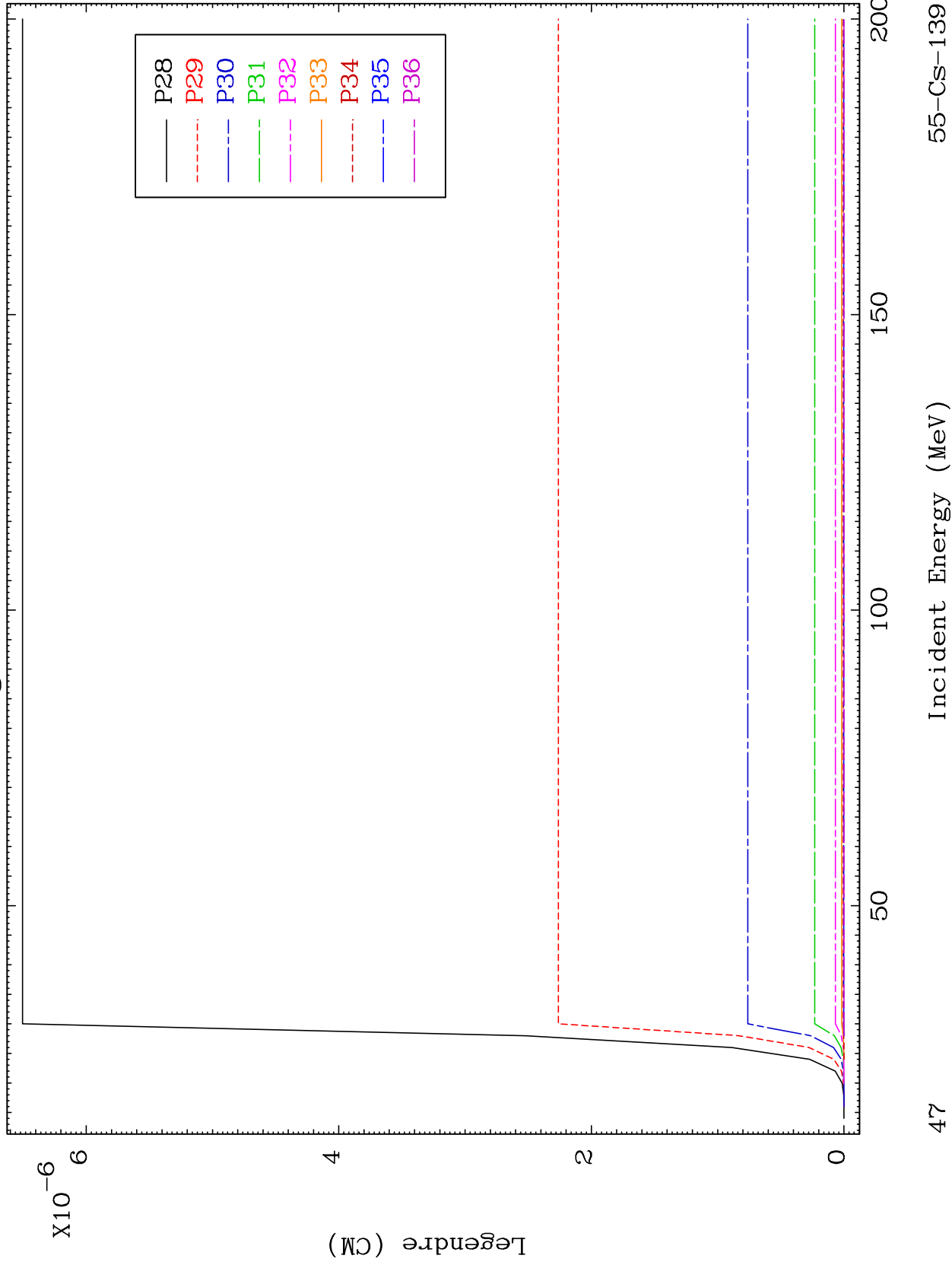
Incident Energy (MeV)

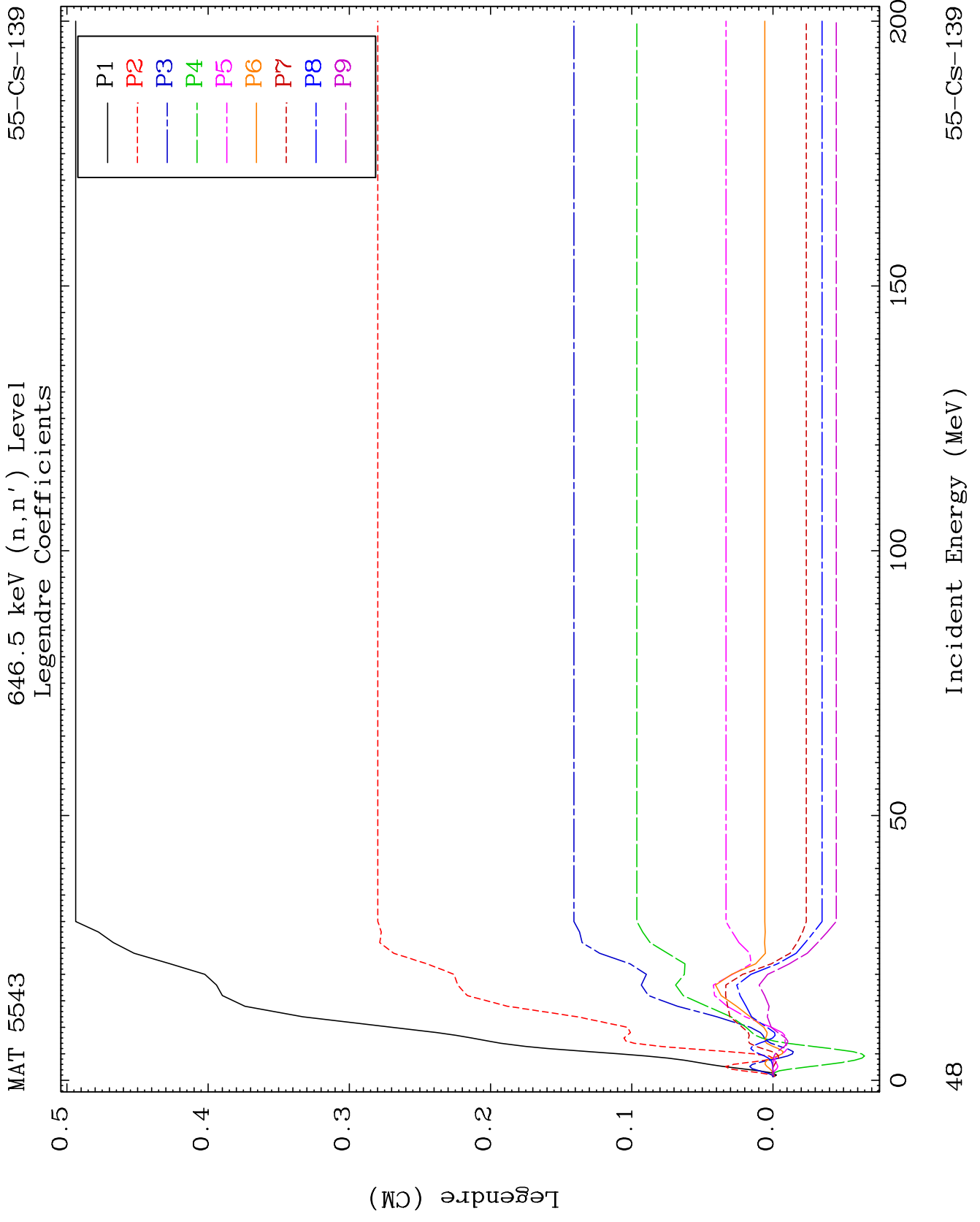
55-Cs-139

MAT 5543

601.5 keV (n,n') Level
Legendre Coefficients

55-Cs-139

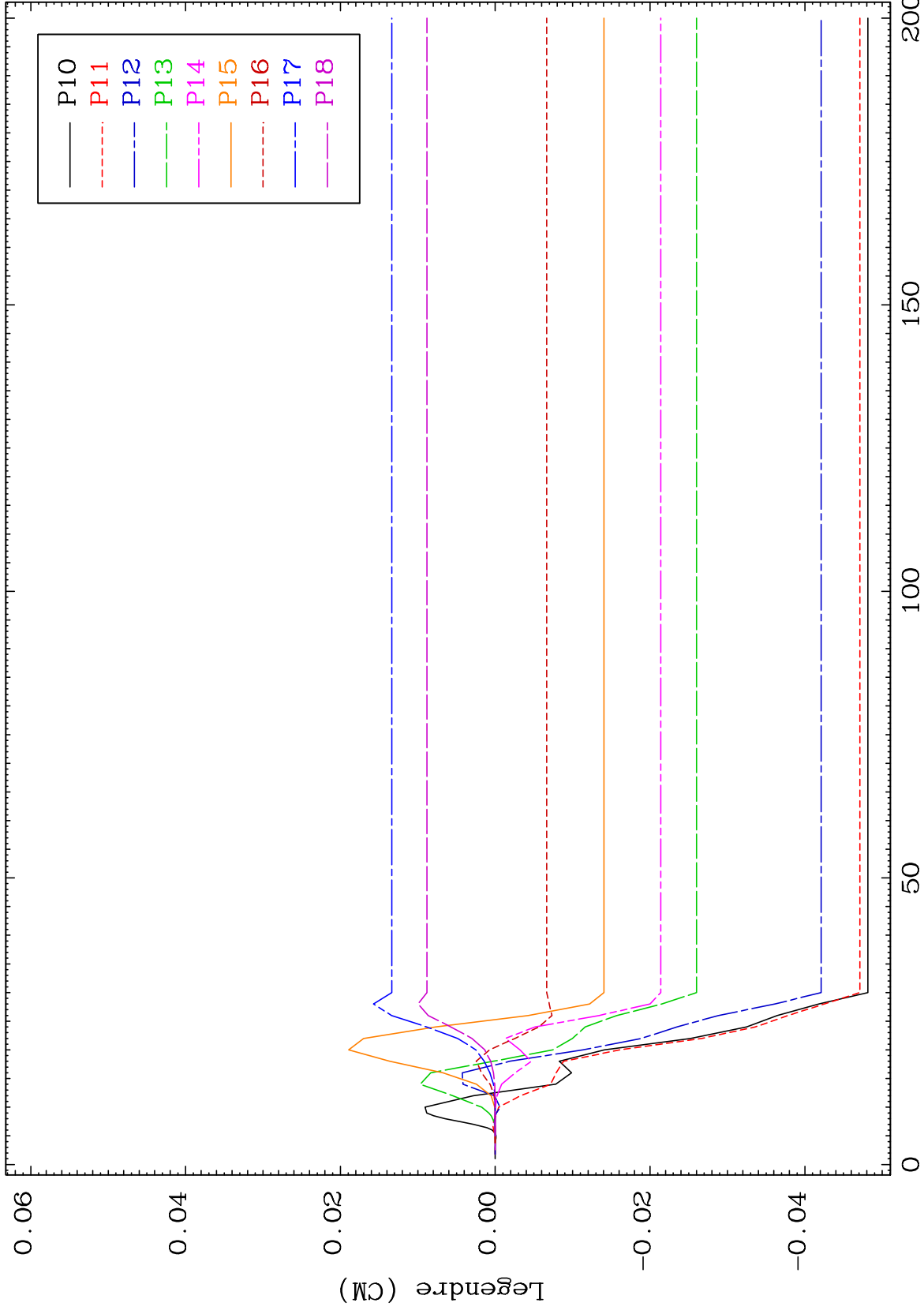




MAT 5543

646.5 keV (n,n') Level
Legendre Coefficients

55-Cs-139



49

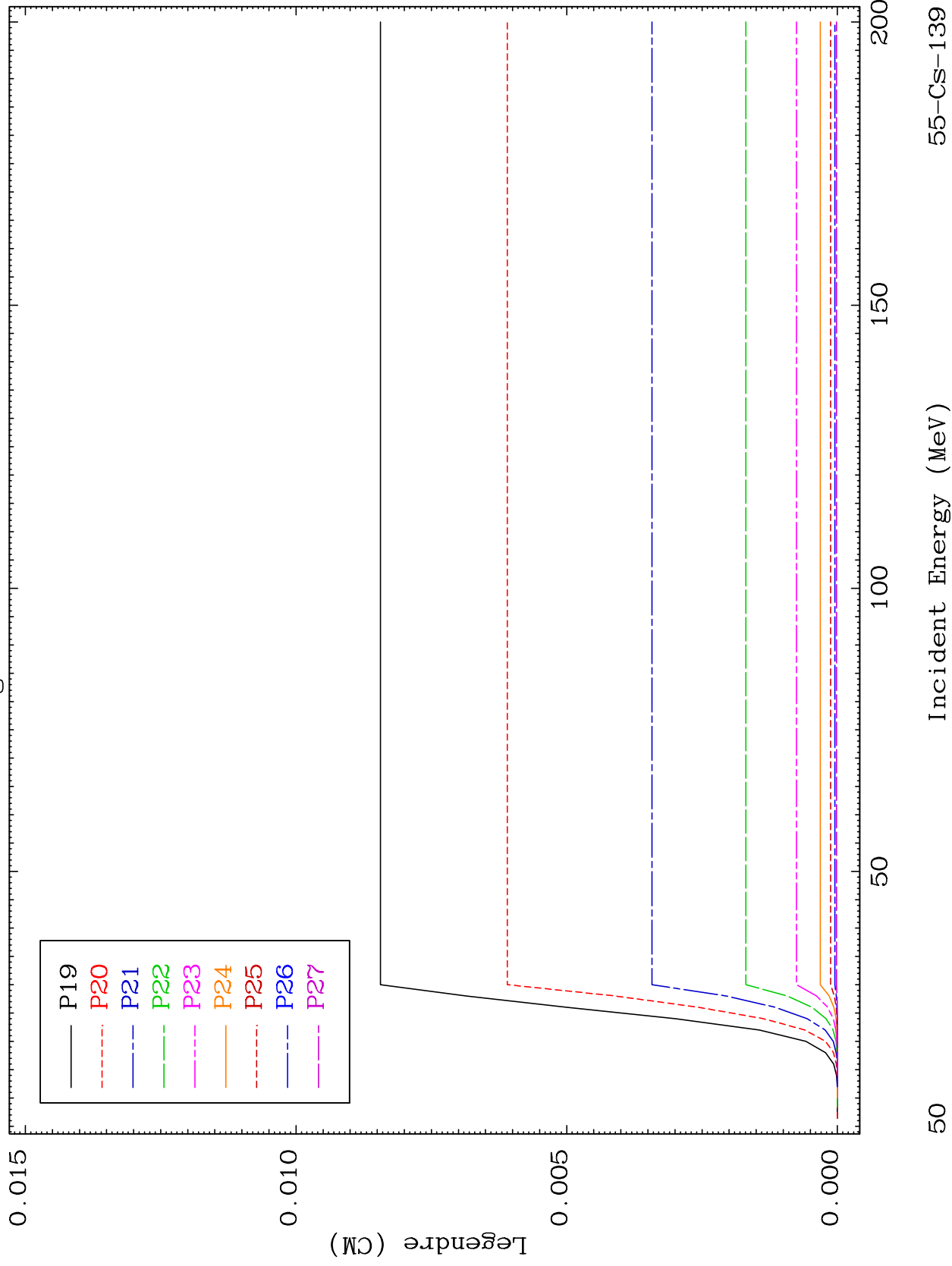
Incident Energy (MeV)

55-Cs-139

MAT 5543

646.5 keV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

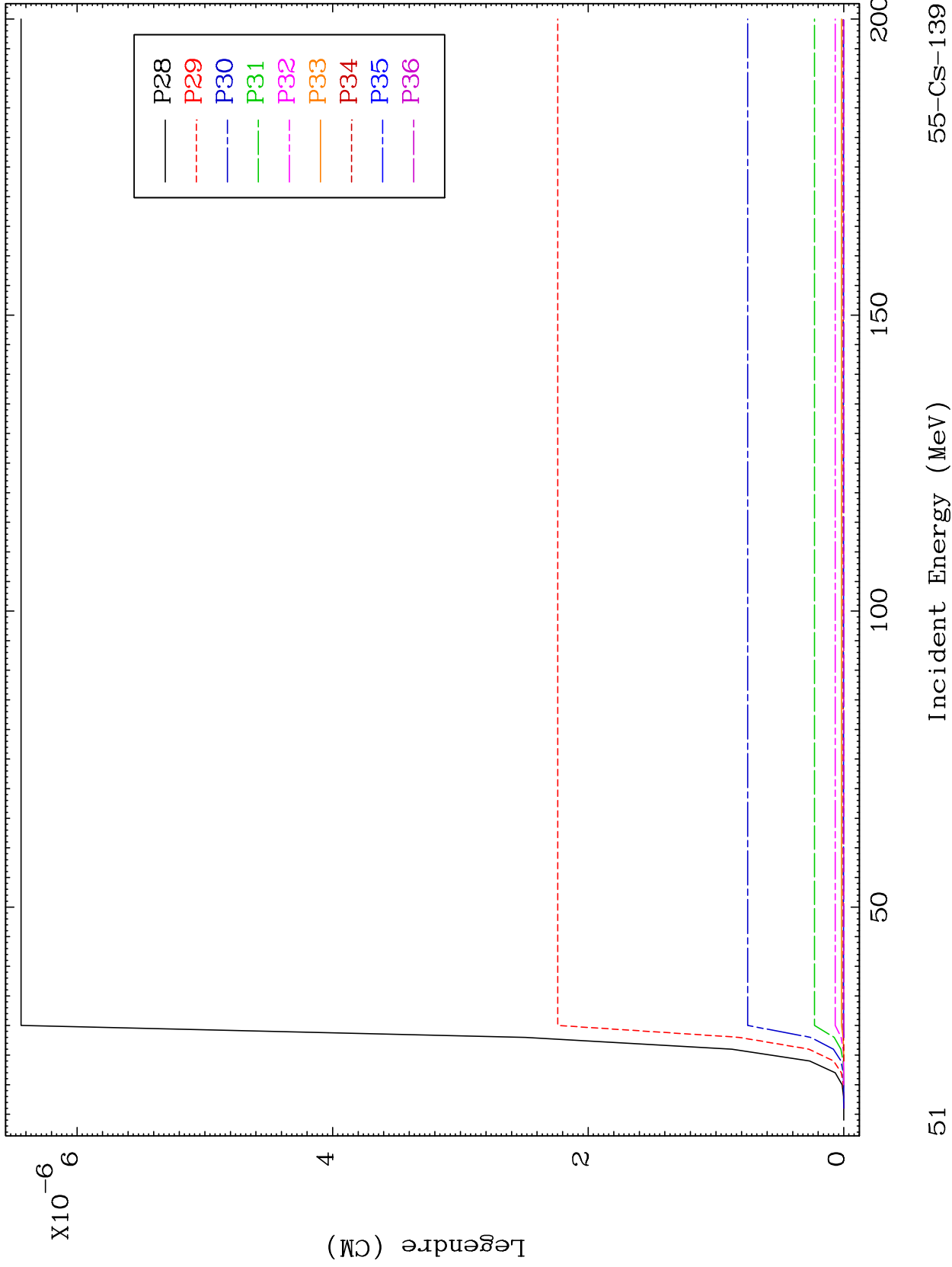
Incident Energy (MeV)

50

MAT 5543

646.5 keV (n, n') Level
Legendre Coefficients

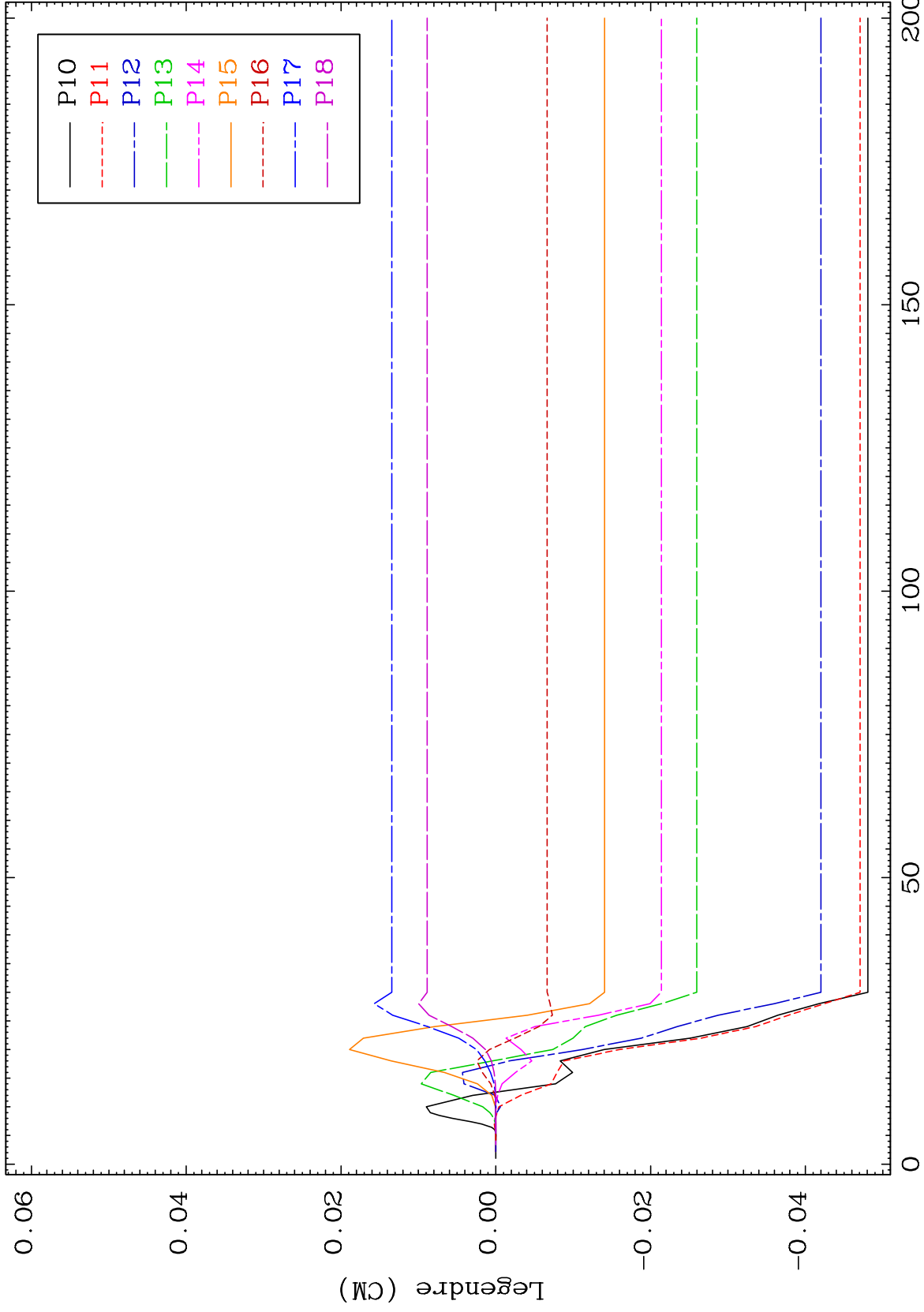
55-Cs-139



MAT 5543

710.3 keV (n,n') Level
Legendre Coefficients

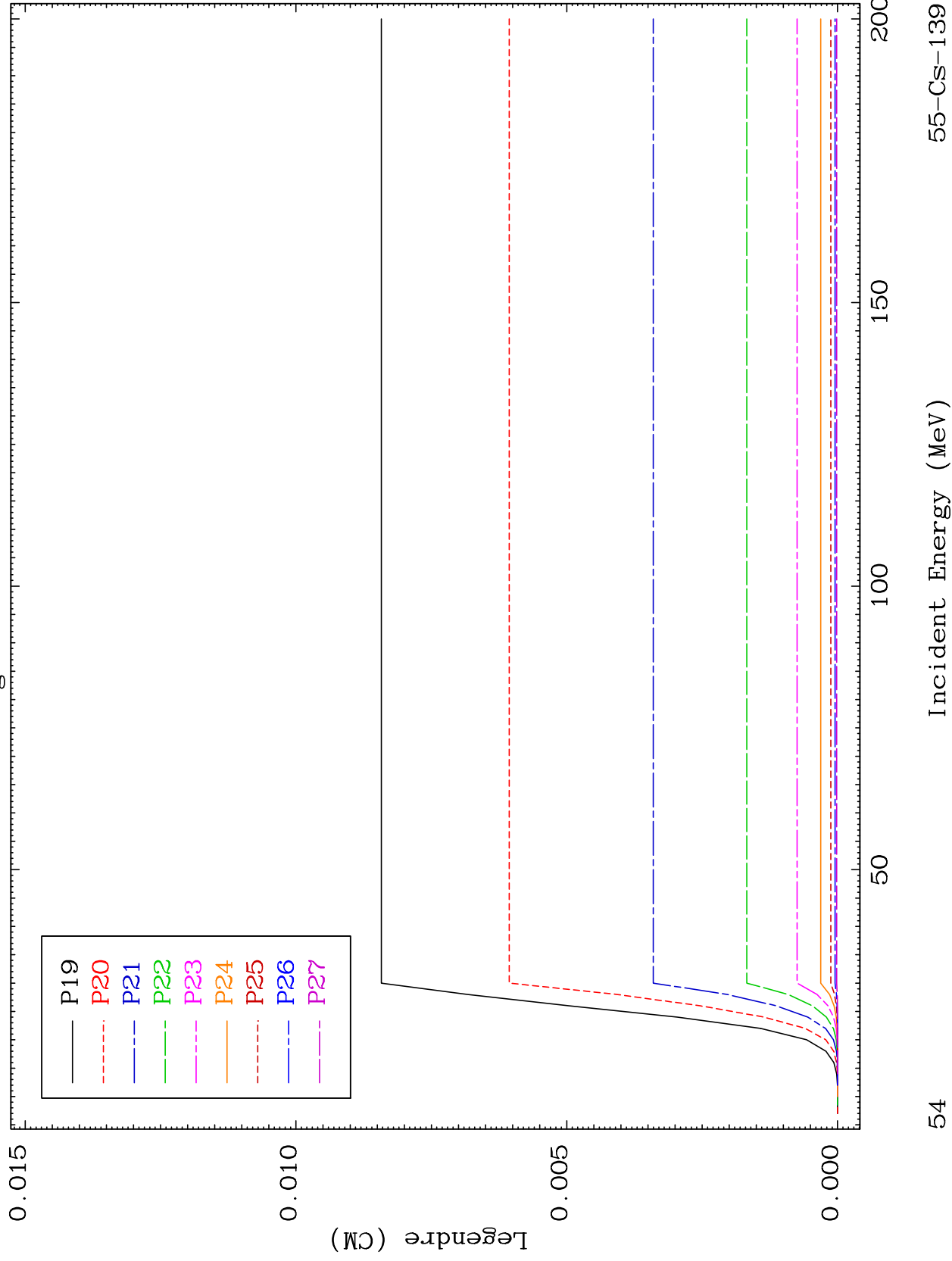
55-Cs-139

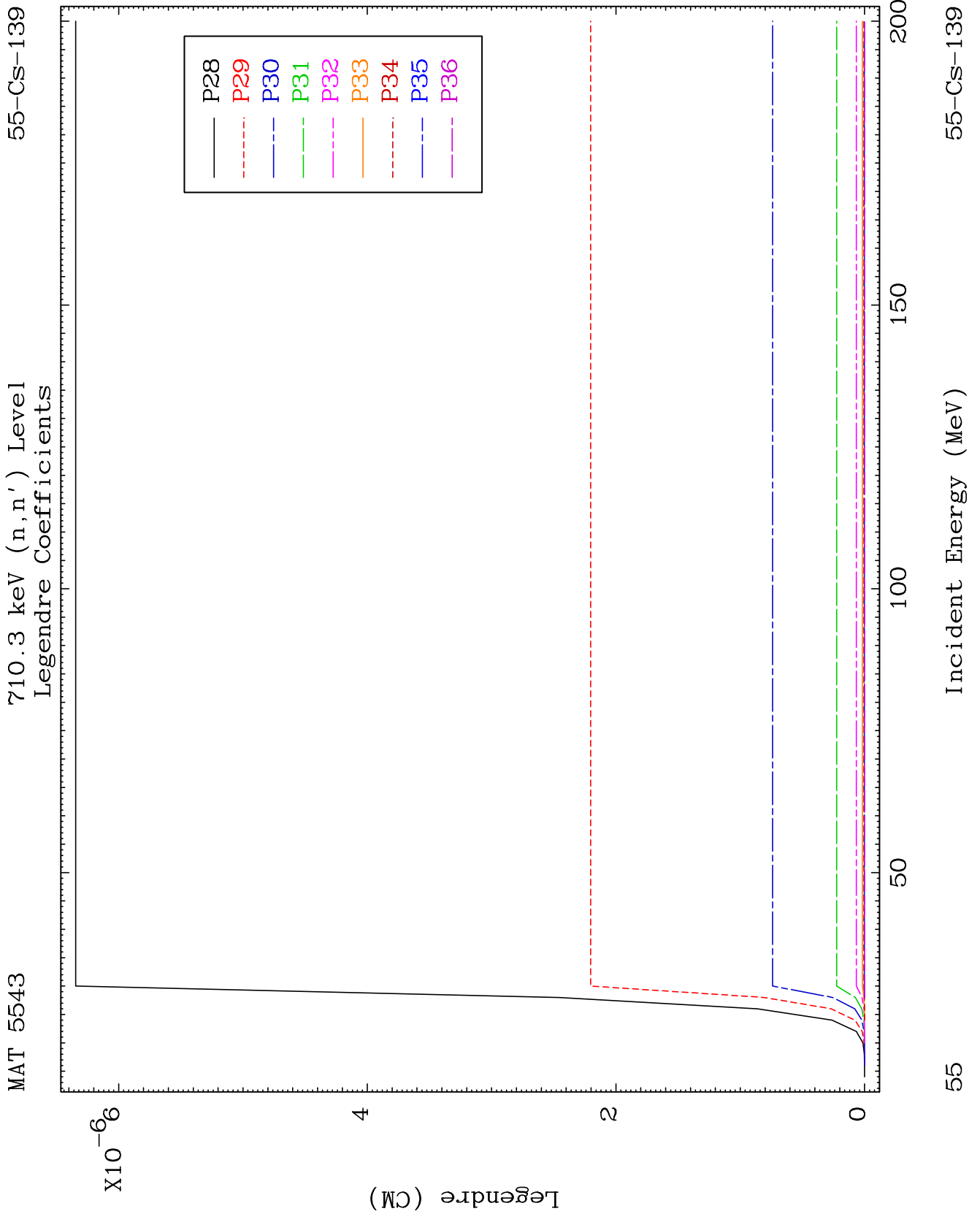


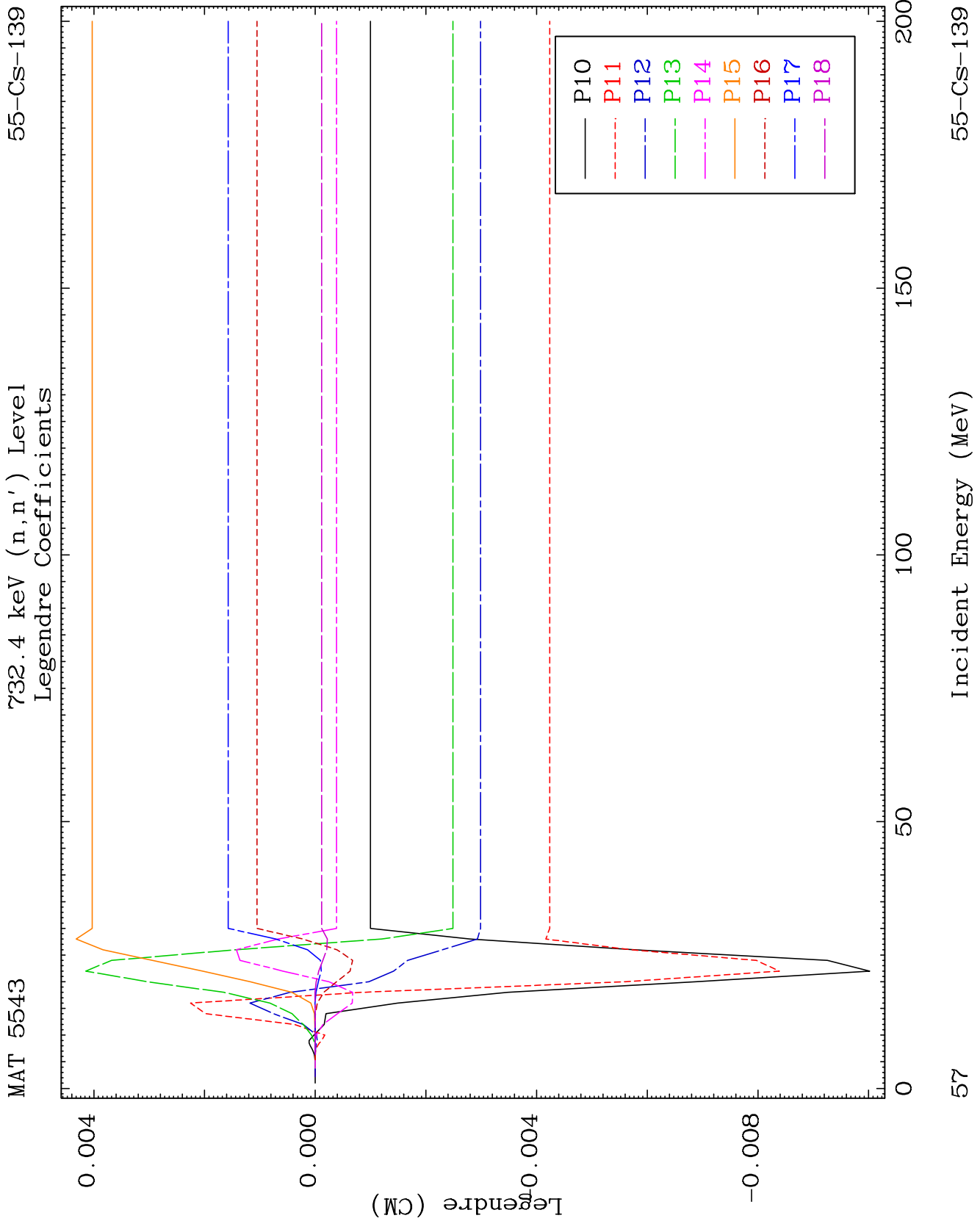
53

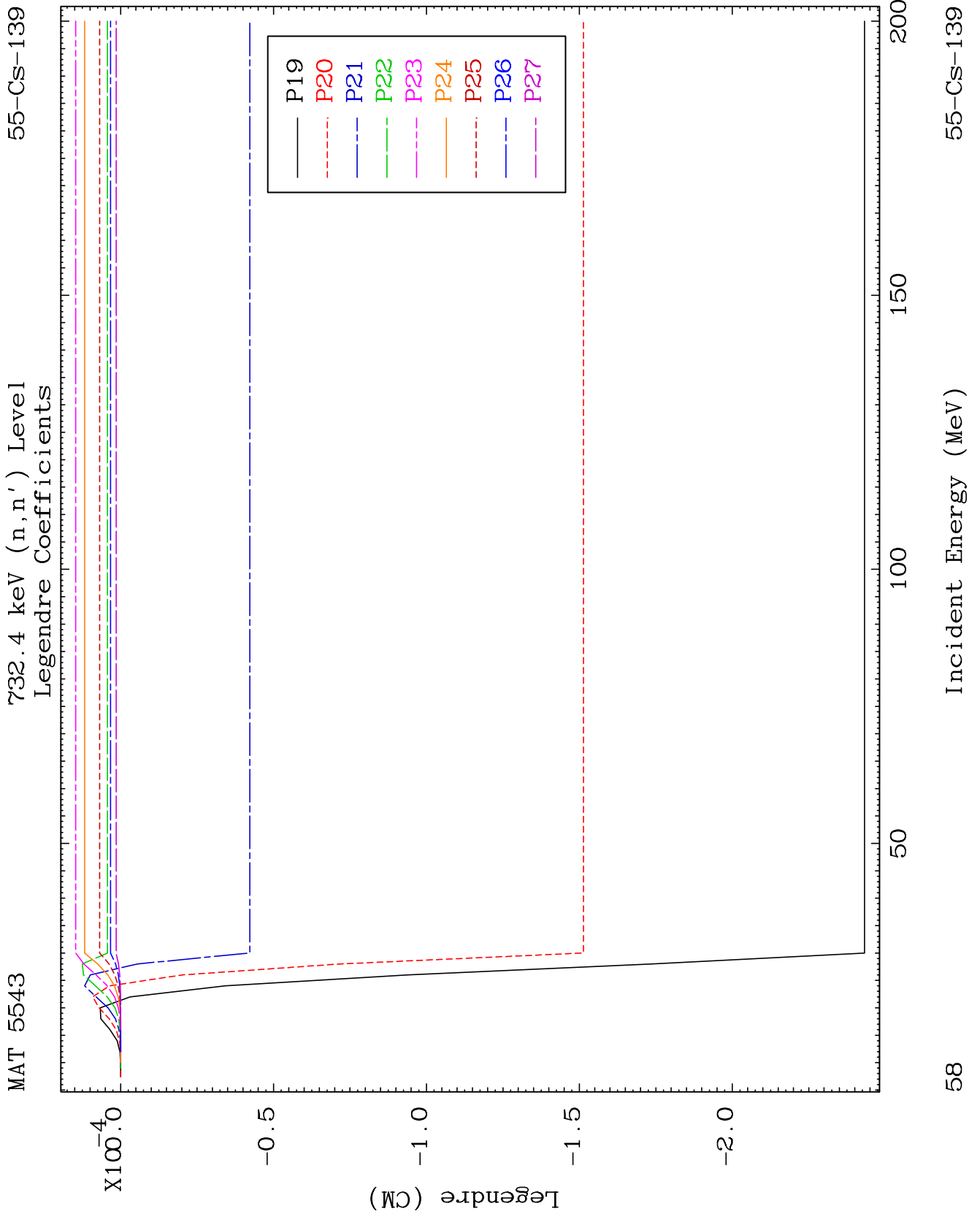
Incident Energy (MeV)

55-Cs-139





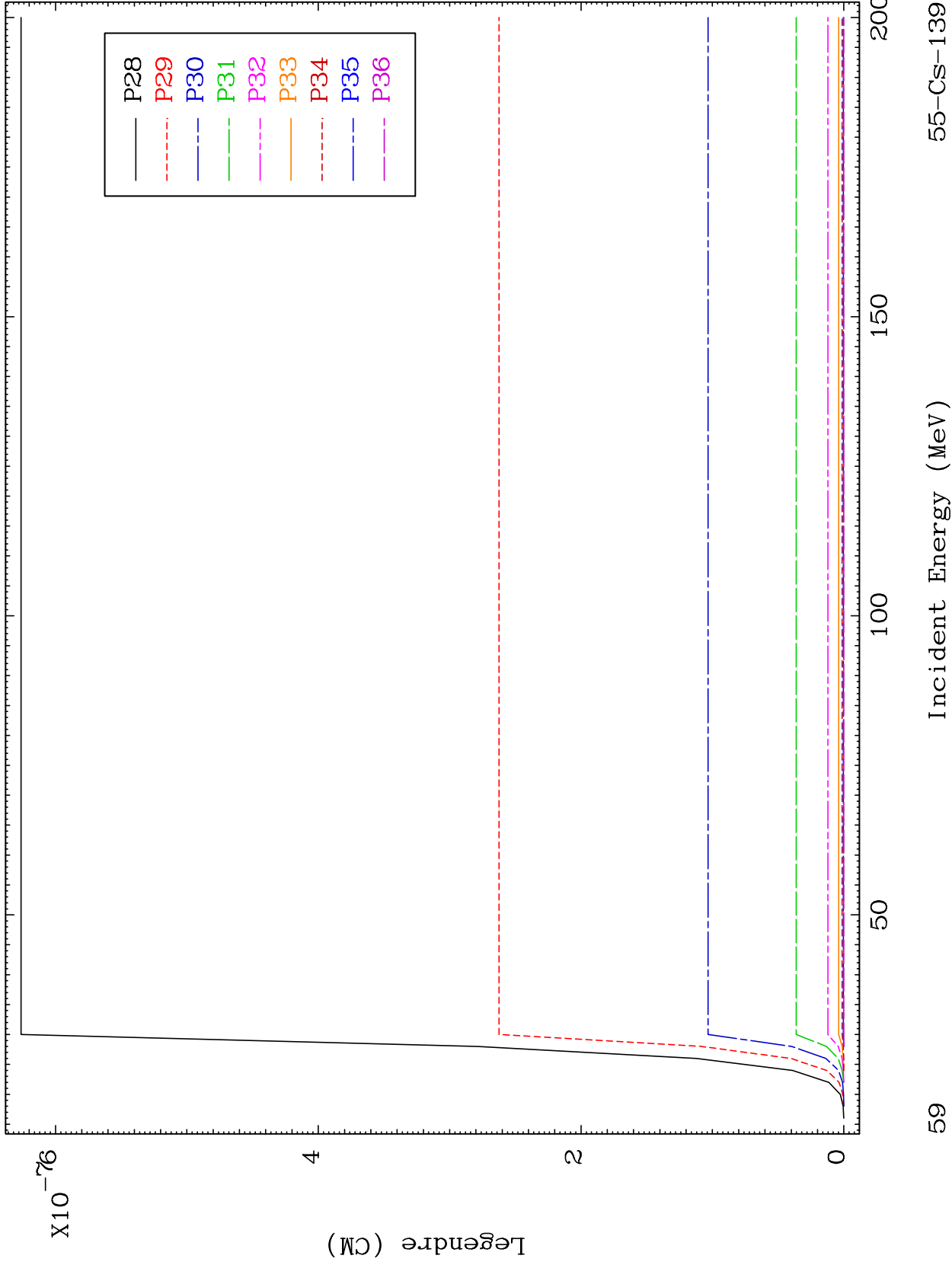




MAT 5543

732.4 keV (n,n') Level
Legendre Coefficients

55-Cs-139



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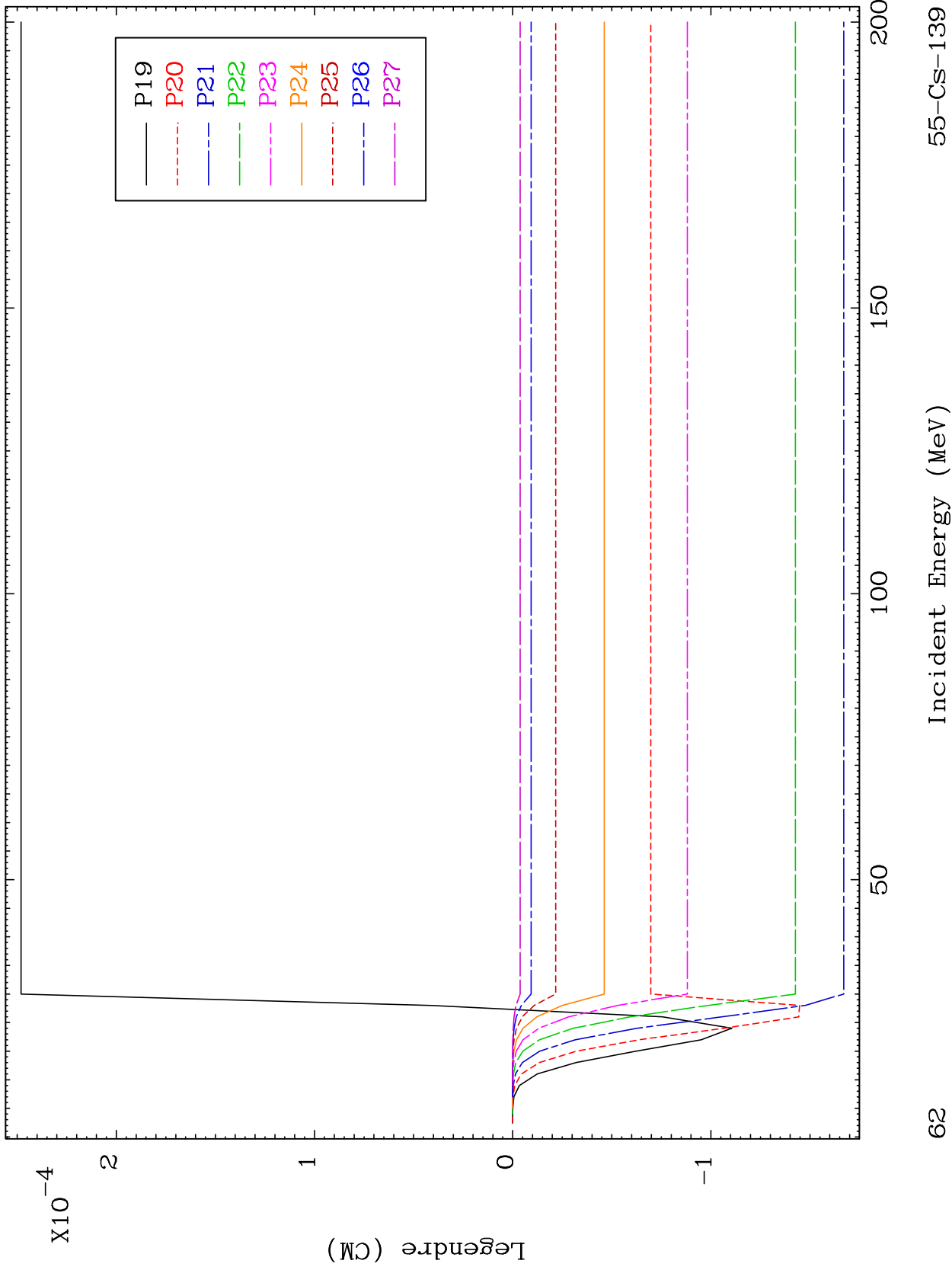
Incident Energy (MeV)

55-Cs-139

MAT 5543

891.6 keV (n,n') Level
Legendre Coefficients

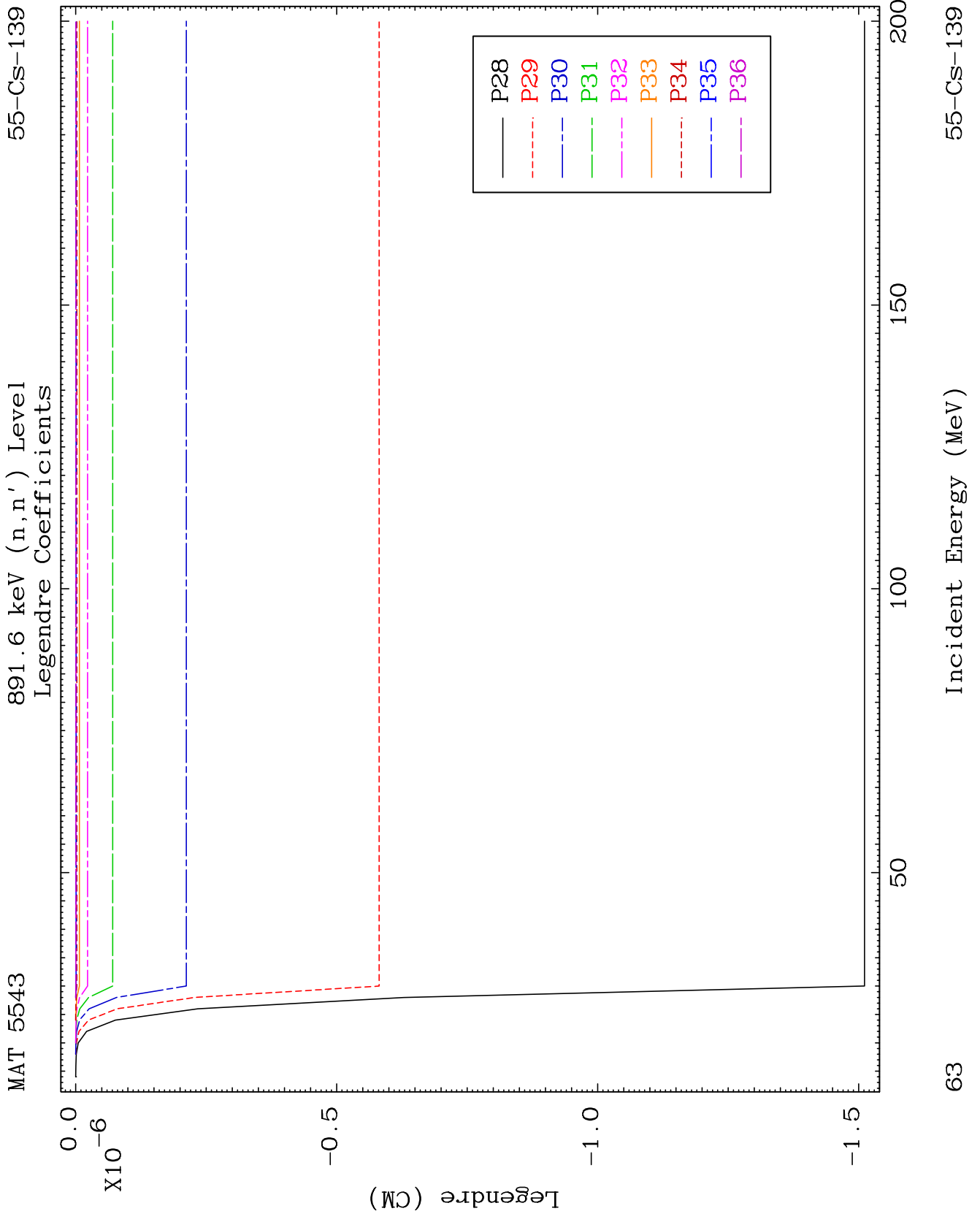
55-Cs-139



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Incident Energy (MeV)

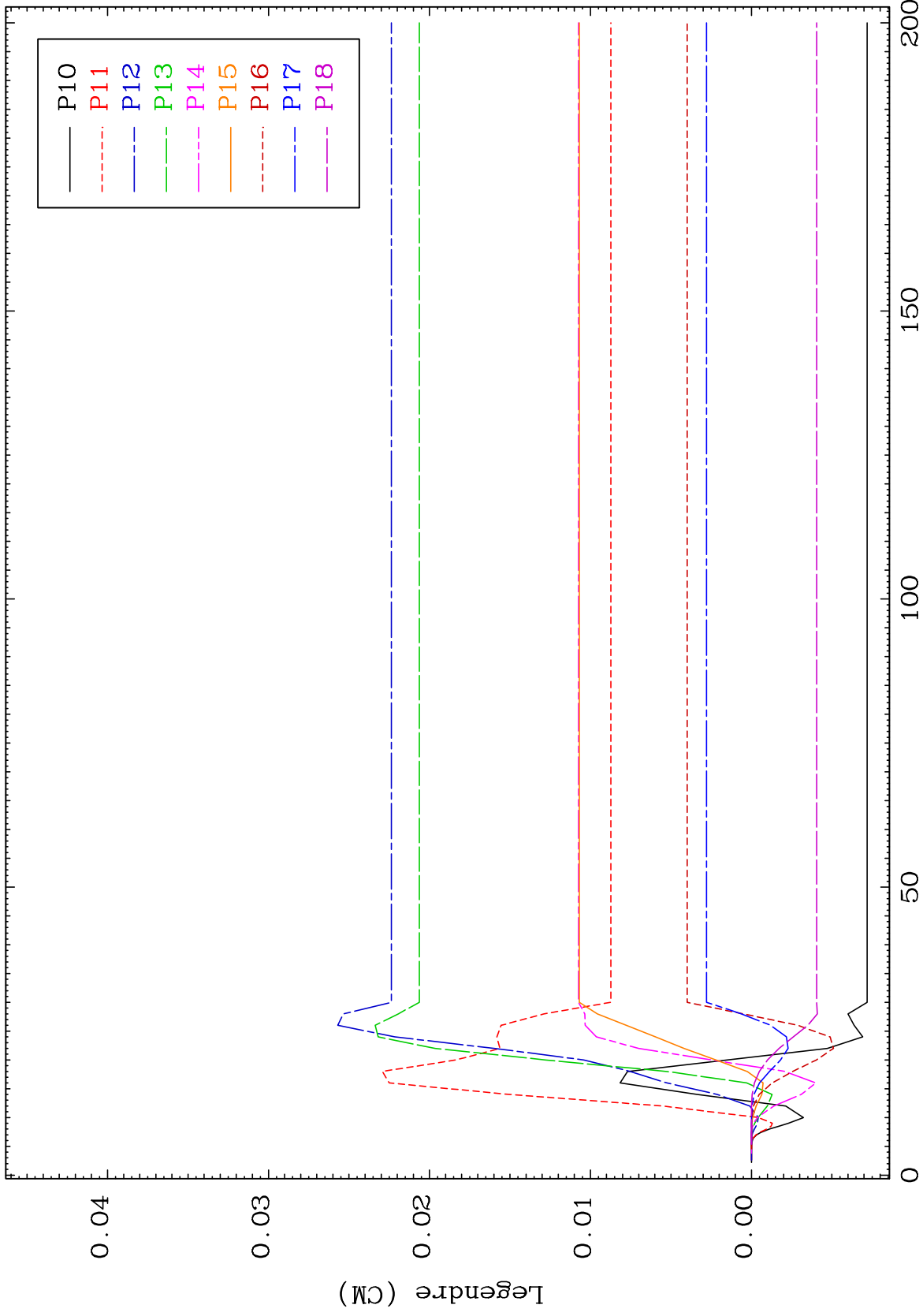
55-Cs-139



MAT 5543

942.5 keV (n,n') Level
Legendre Coefficients

55-Cs-139



65

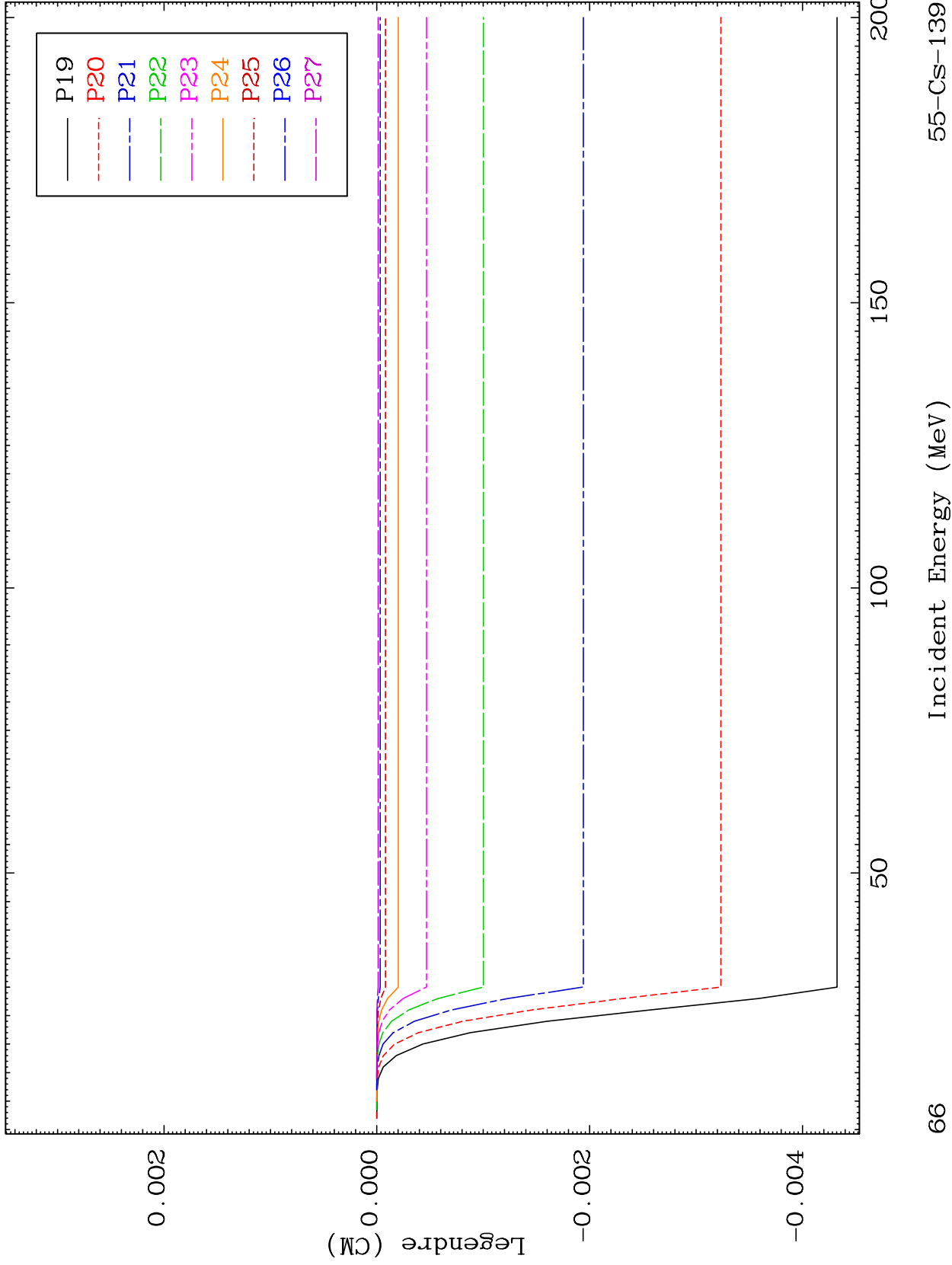
Incident Energy (MeV)

55-Cs-139

MAT 5543

942.5 keV (n,n') Level
Legendre Coefficients

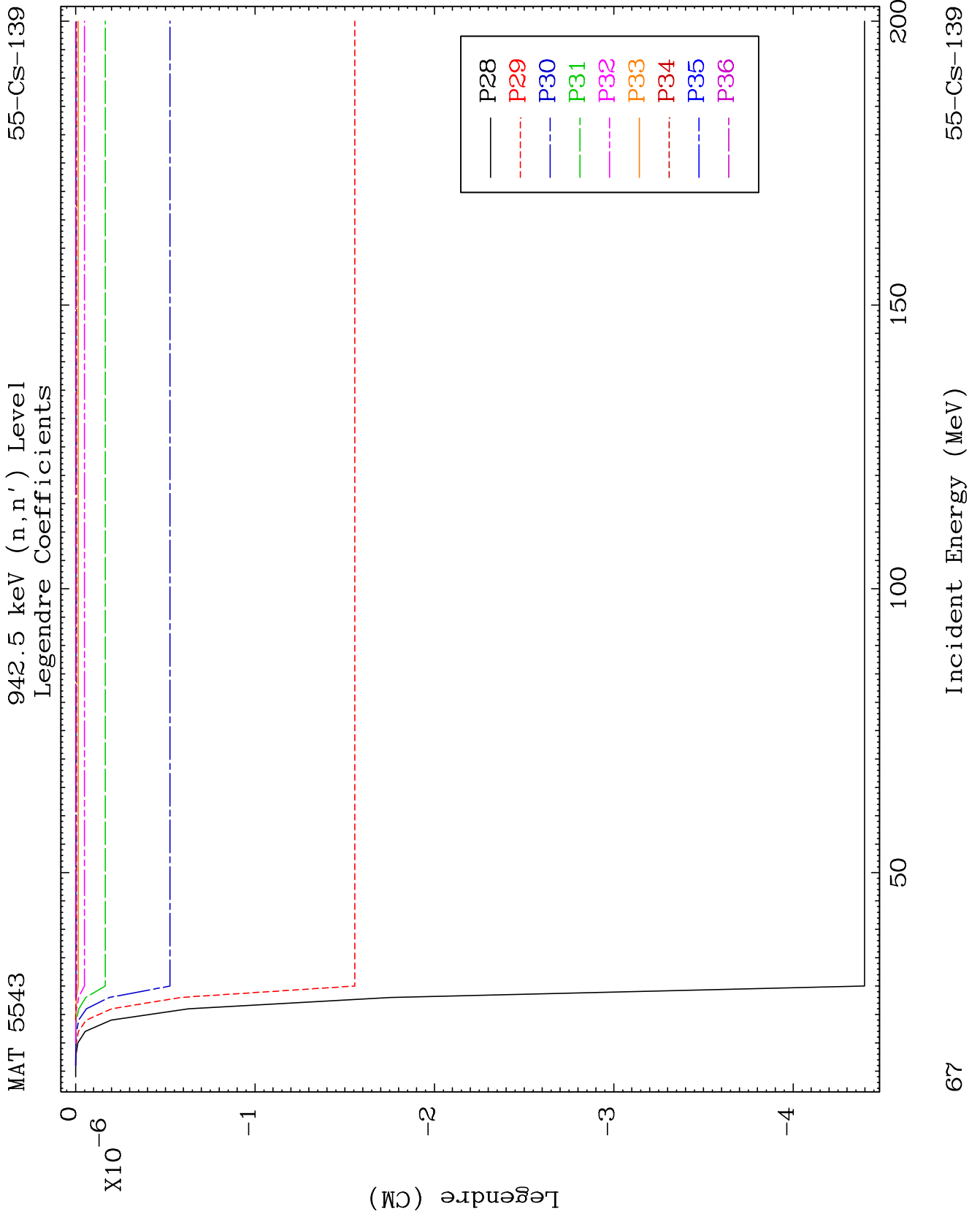
55-Cs-139



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Incident Energy (MeV)

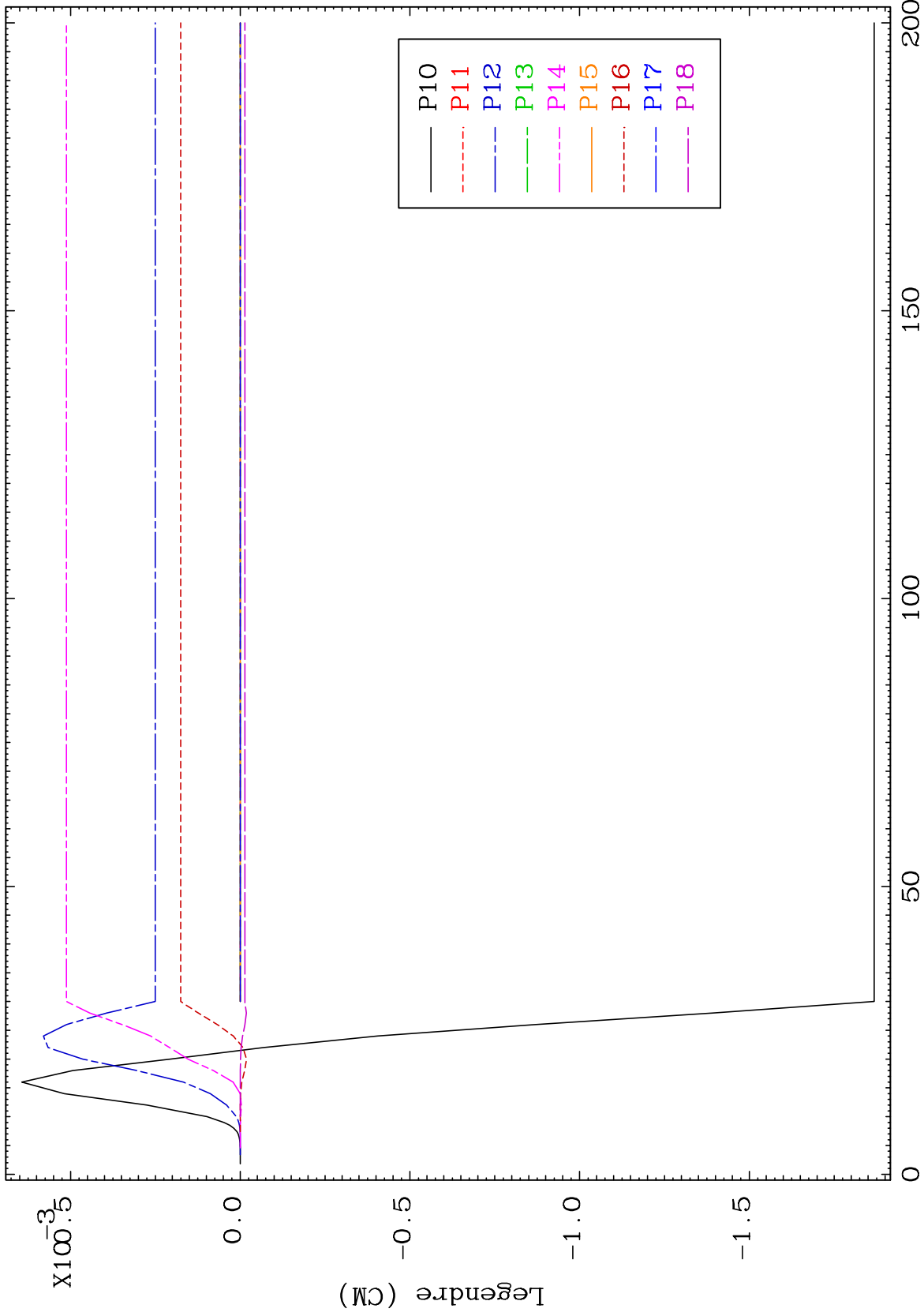
55-Cs-139



MAT 5543

1.007 MeV (n,n') Level
Legendre Coefficients

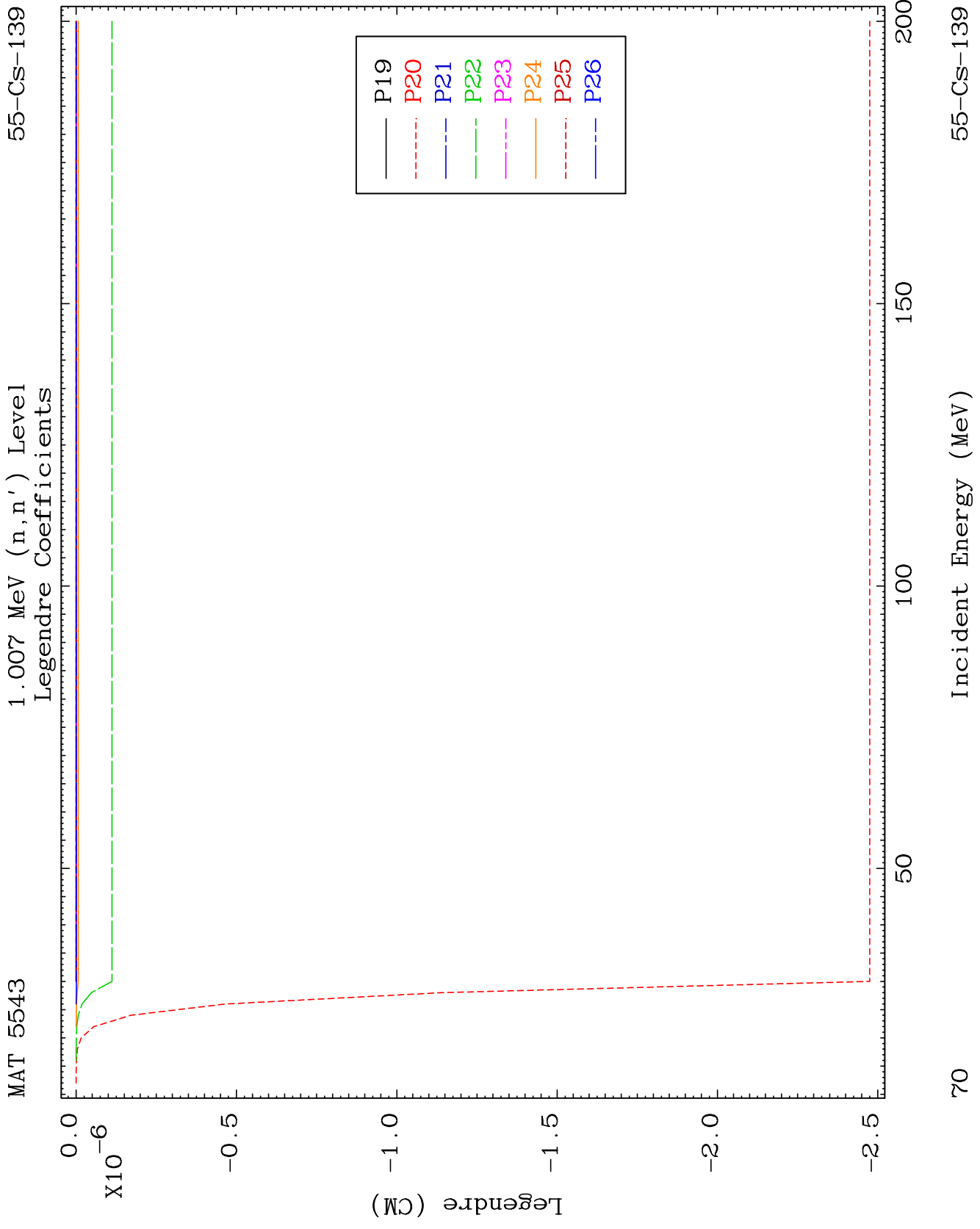
55-Cs-139

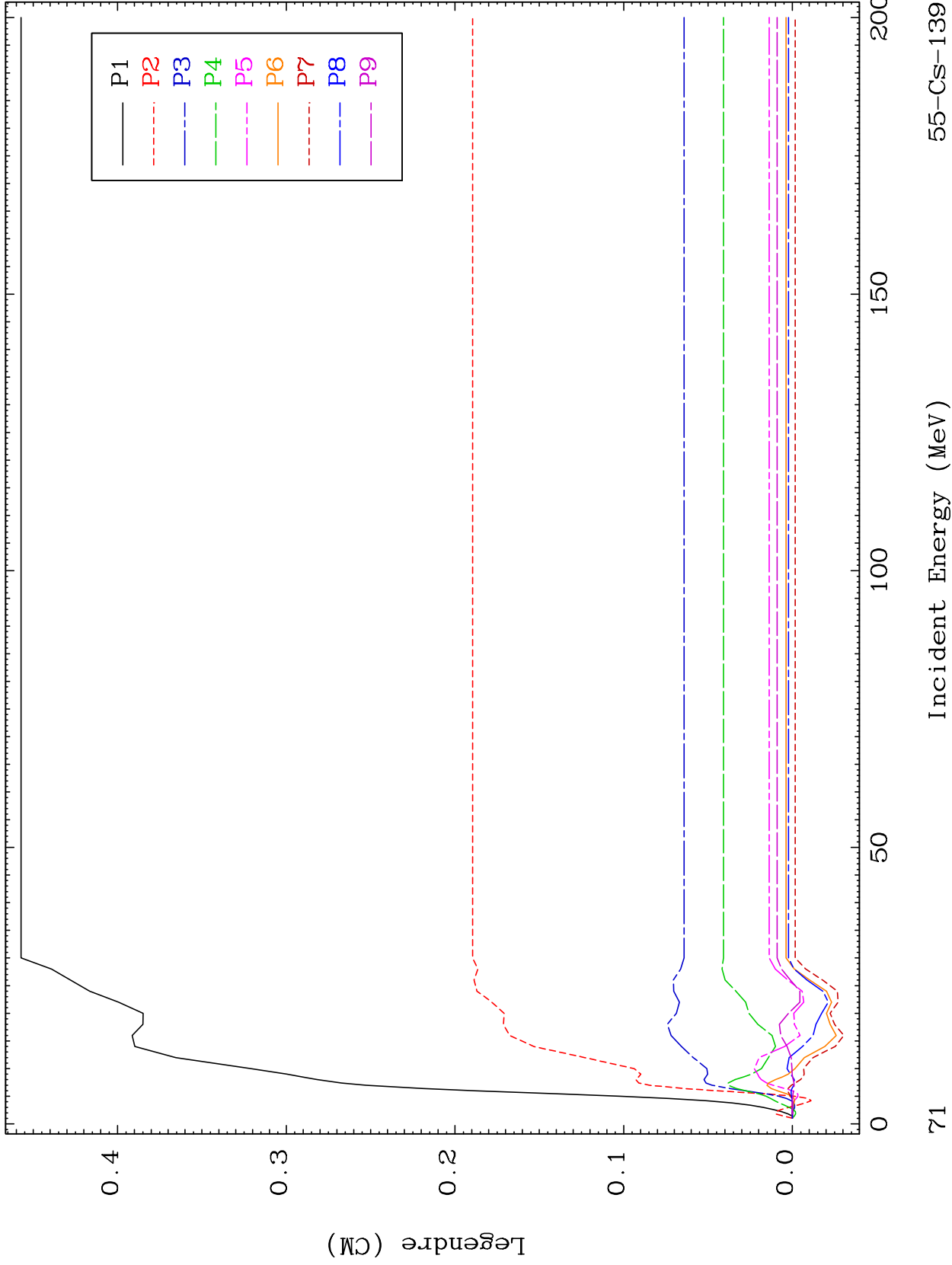


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Incident Energy (MeV)

55-Cs-139

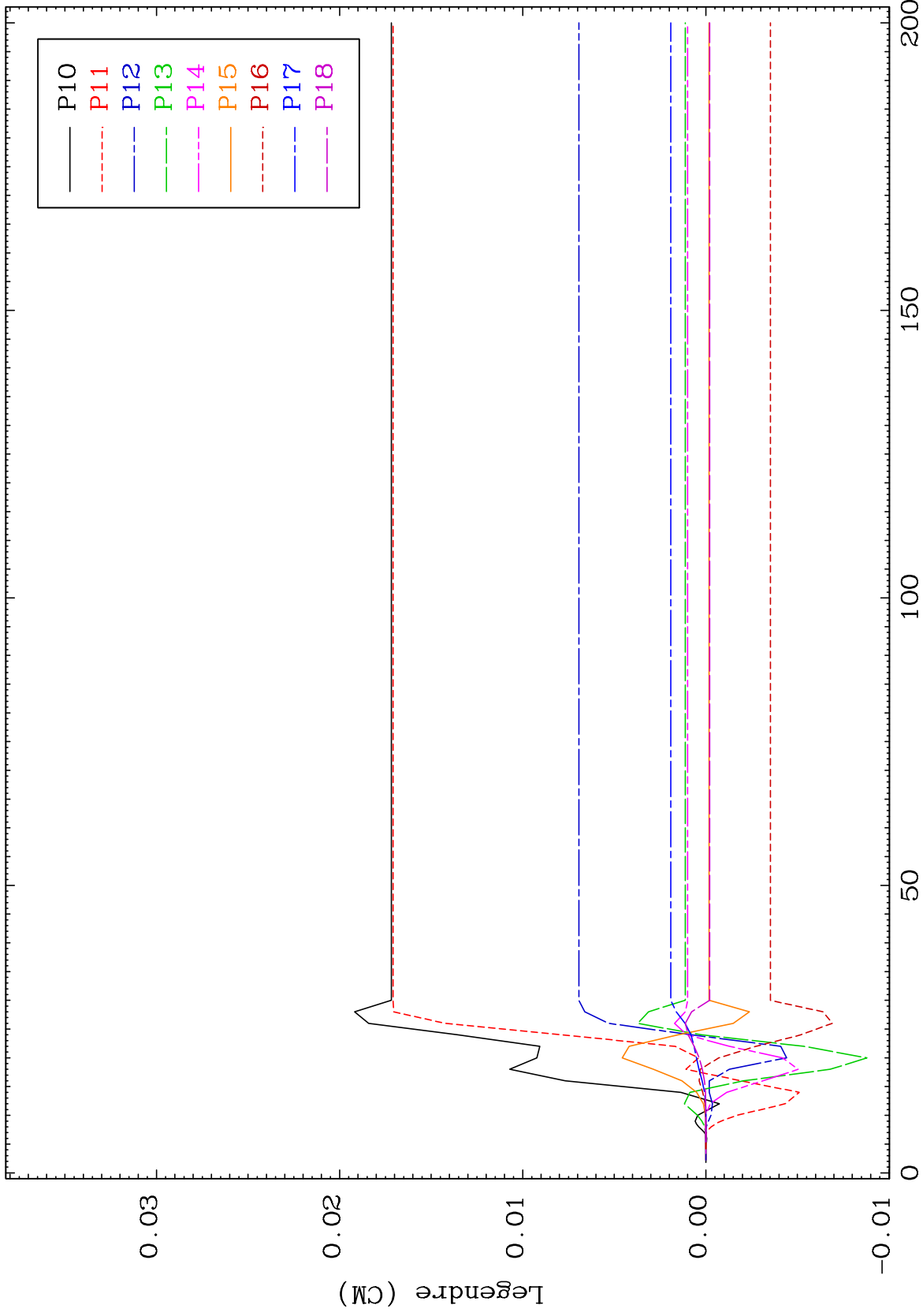




MAT 5543

1.020 MeV (n,n') Level
Legendre Coefficients

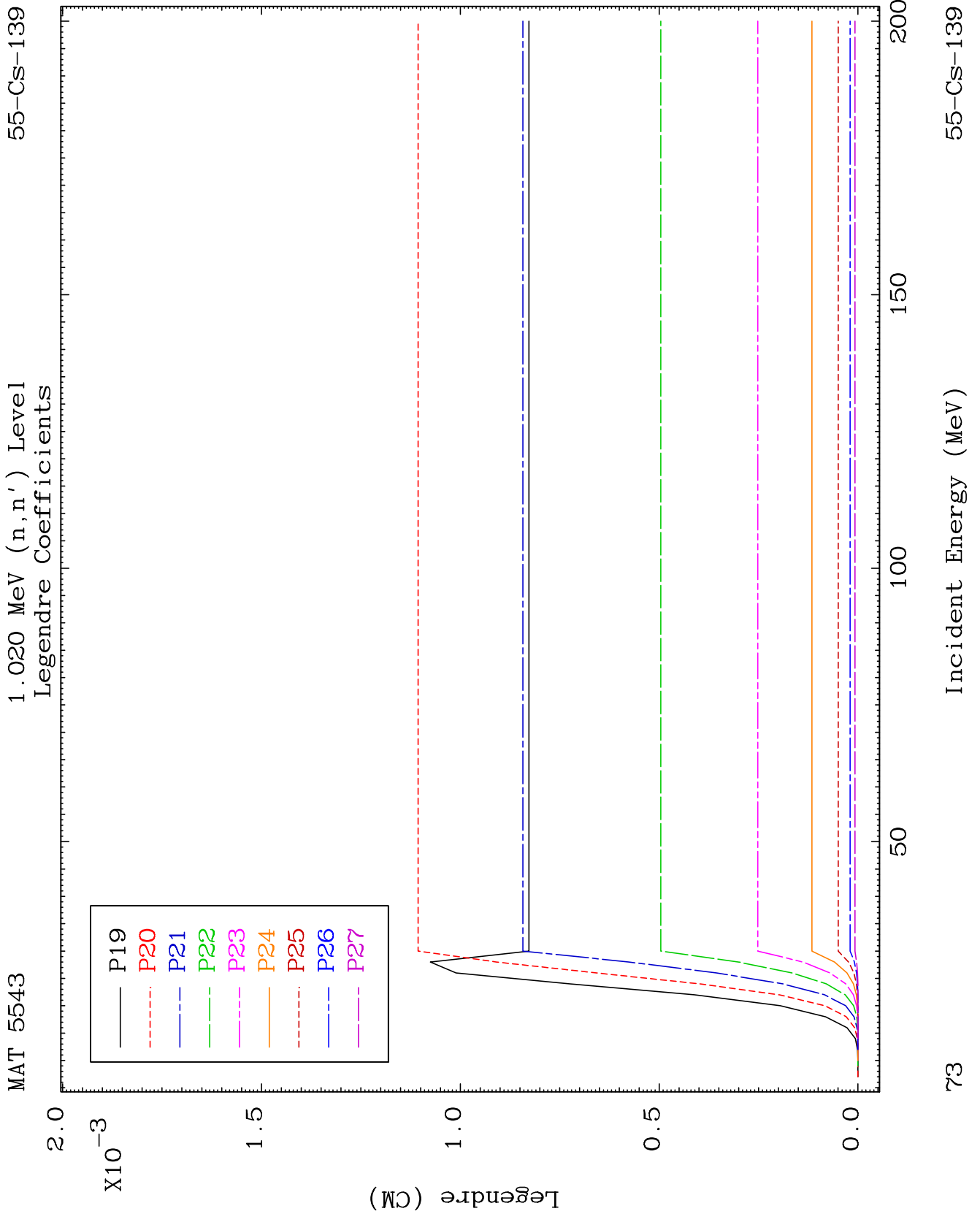
55-Cs-139



72

Incident Energy (MeV)

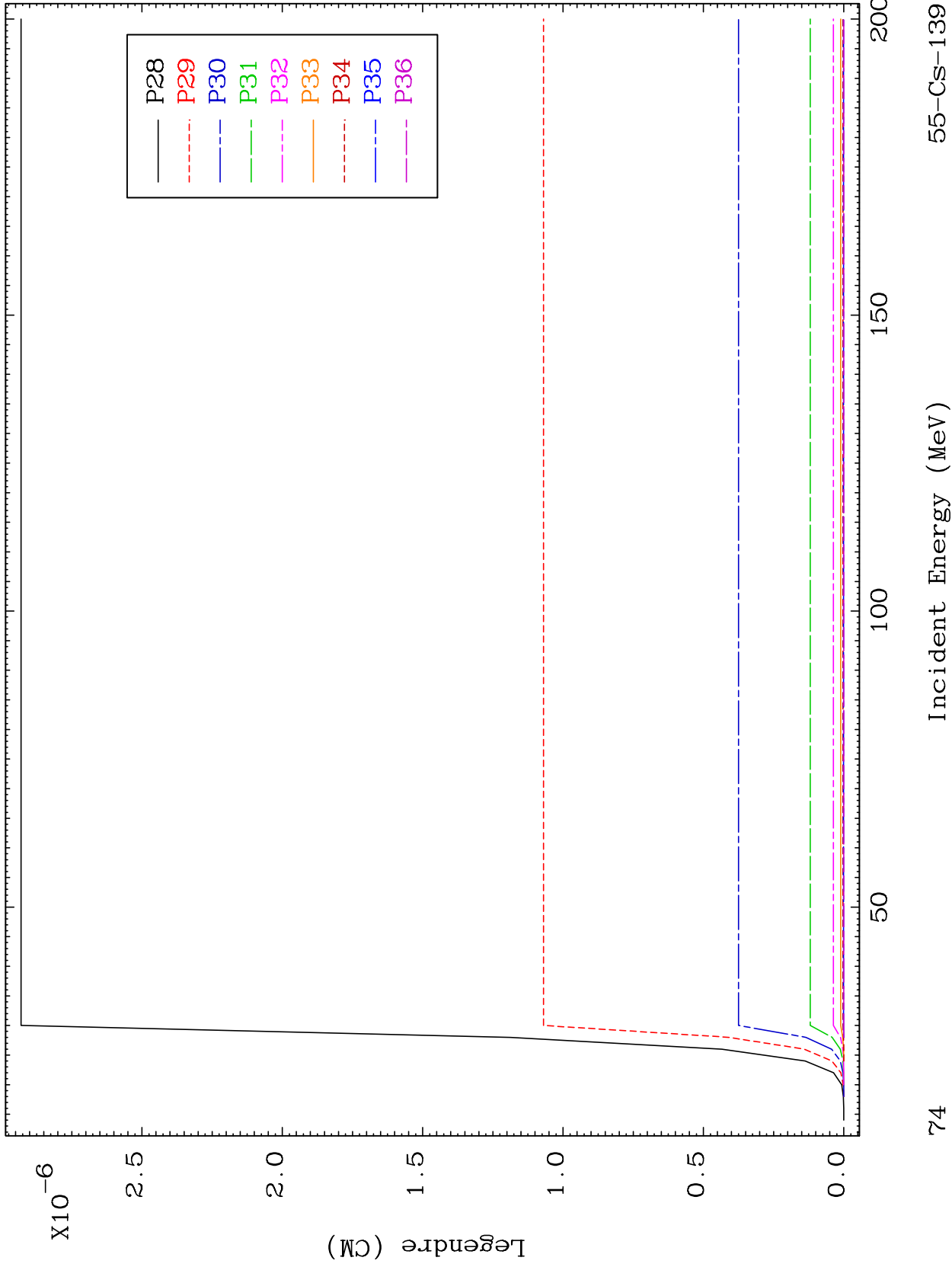
55-Cs-139

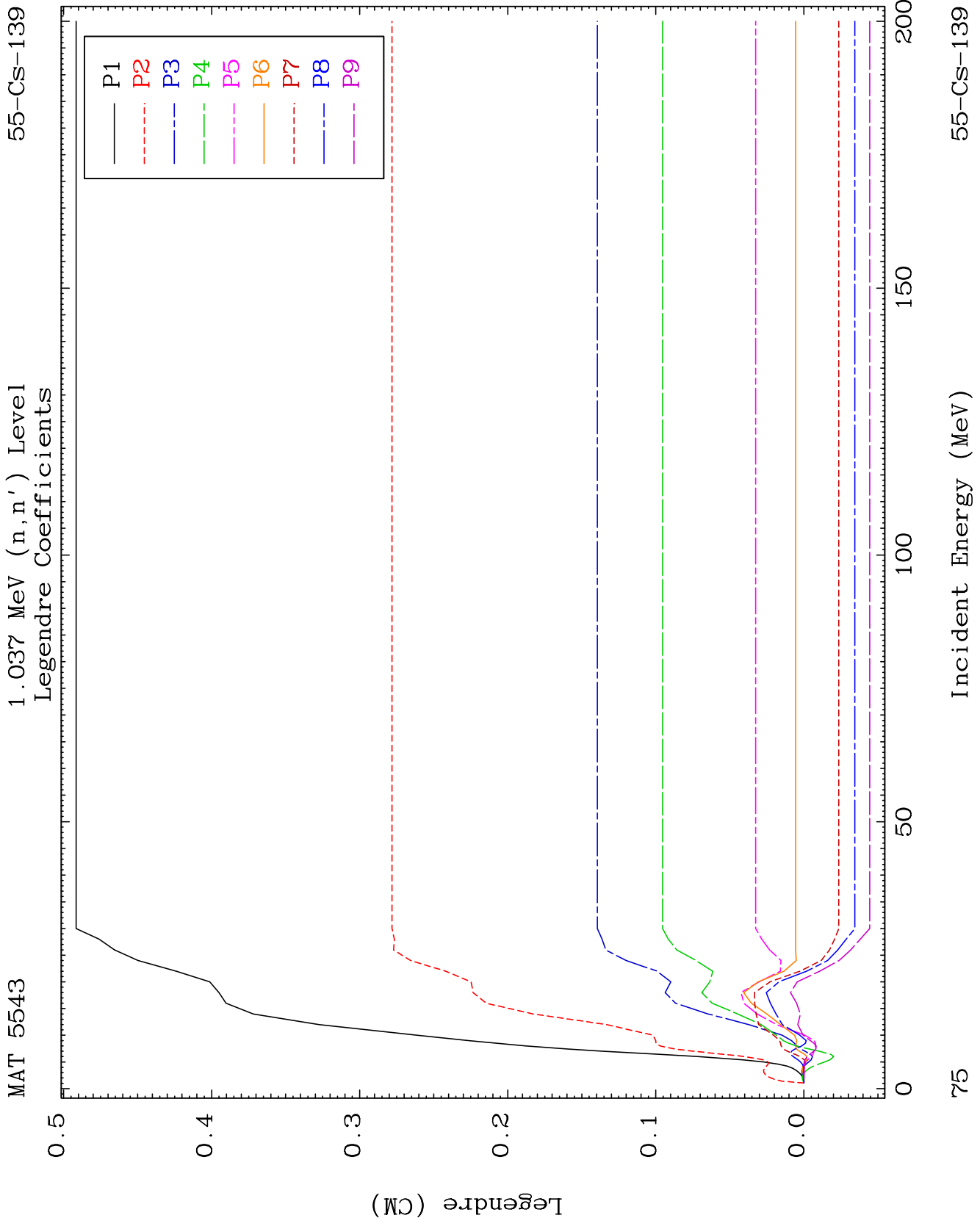


MAT 5543

1.020 MeV (n,n') Level
Legendre Coefficients

55-Cs-139

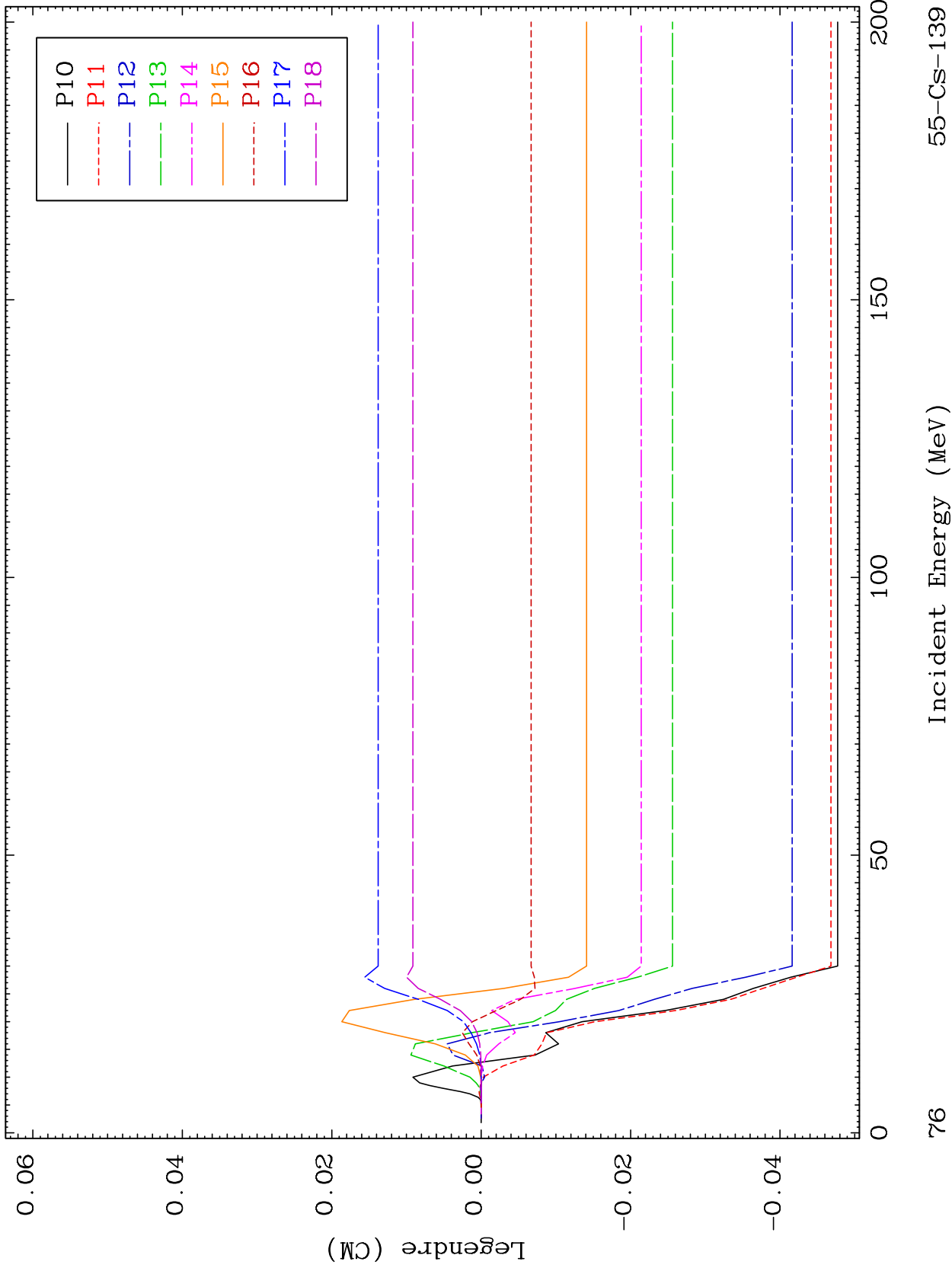




MAT 5543

1.037 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



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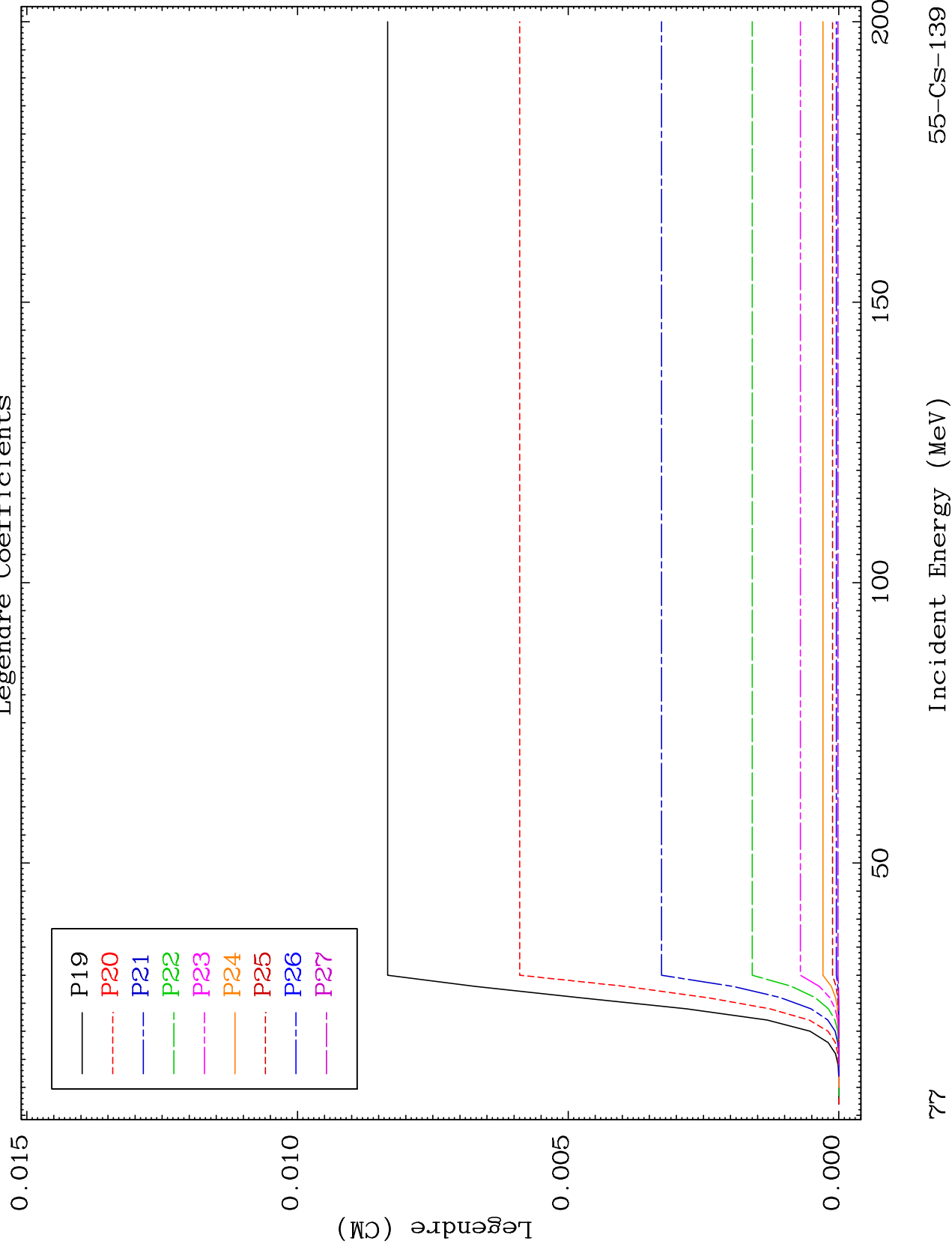
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.037 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



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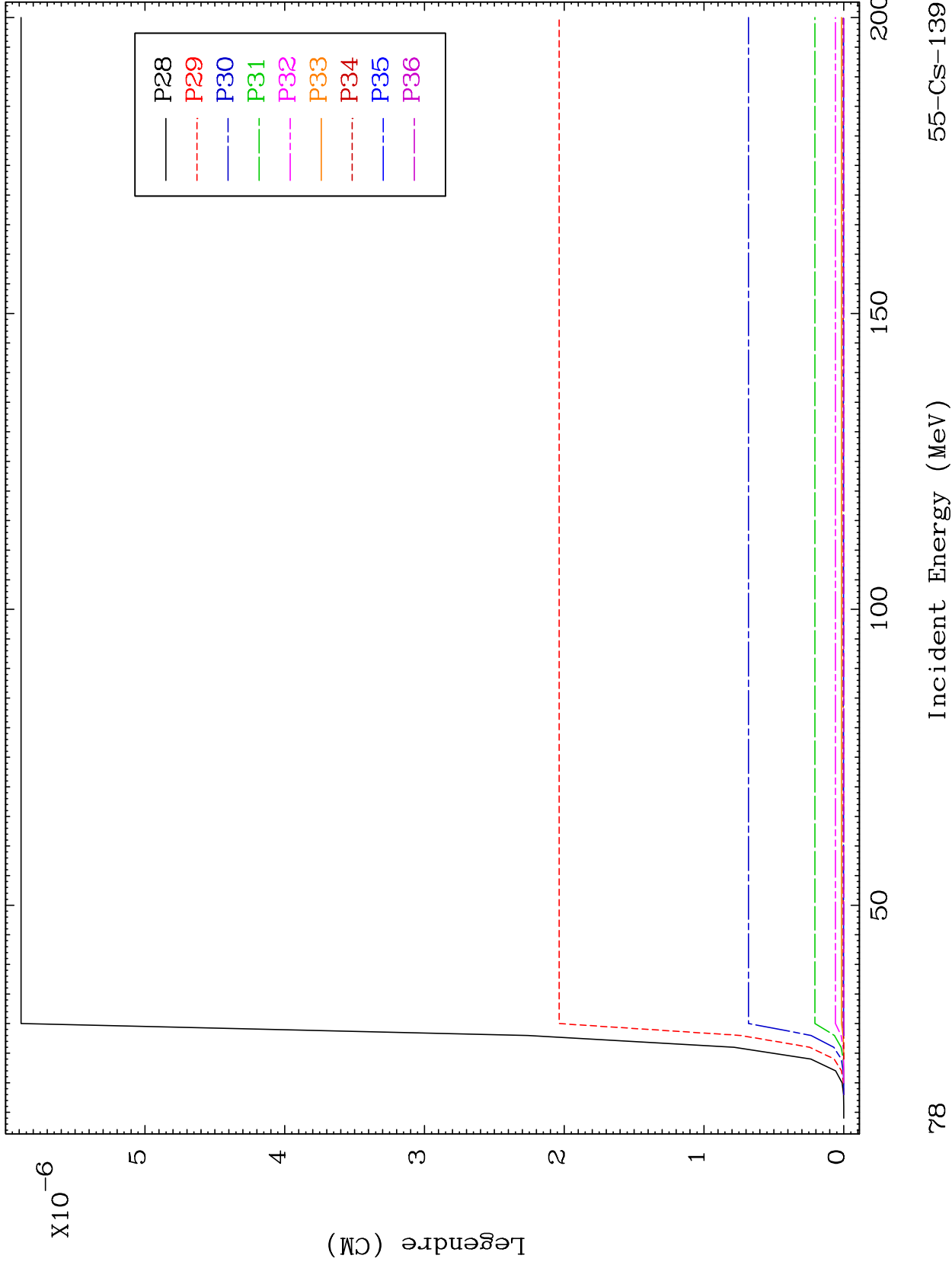
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.037 MeV (n, n') Level
Legendre Coefficients

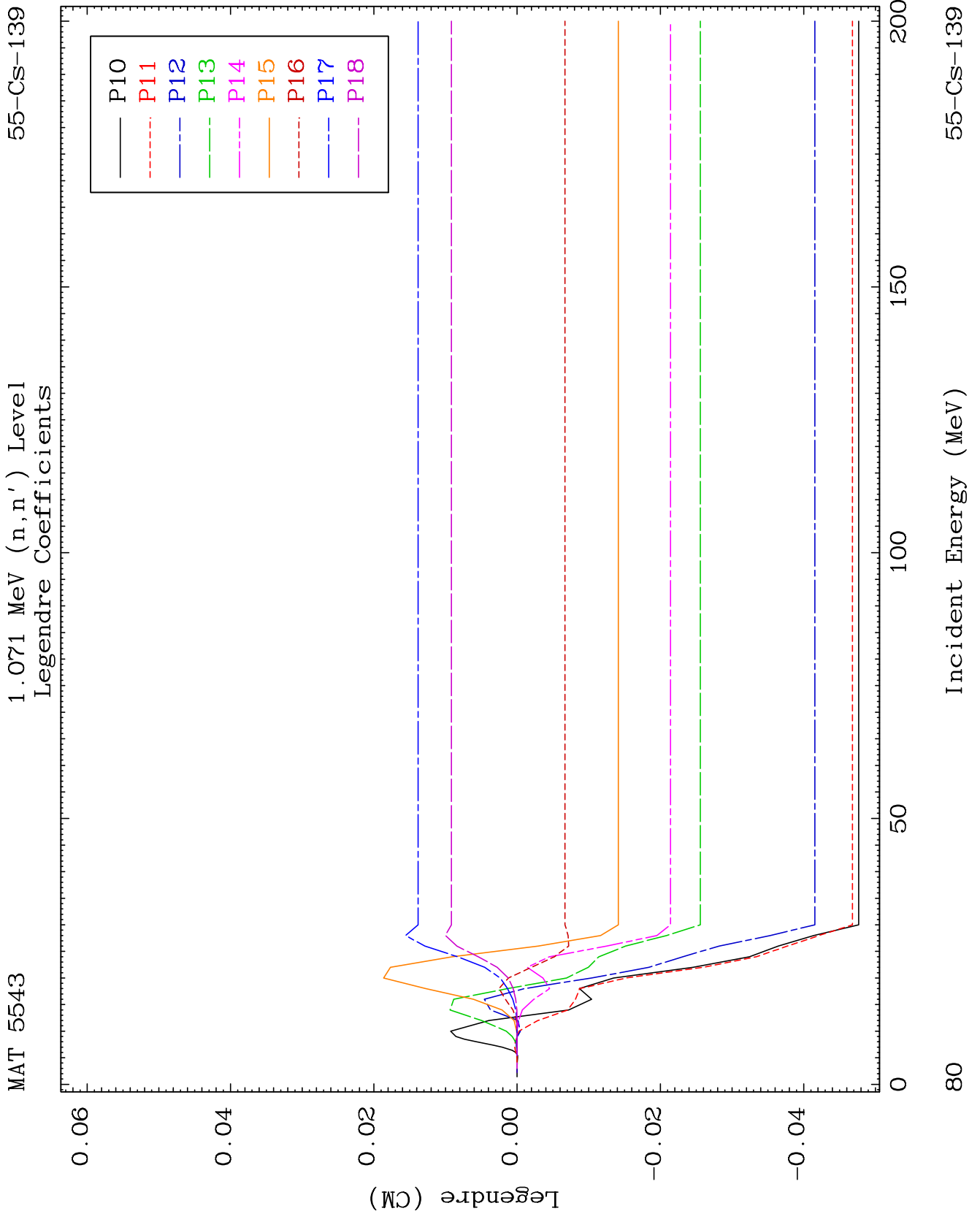
55-Cs-139



78

Incident Energy (MeV)

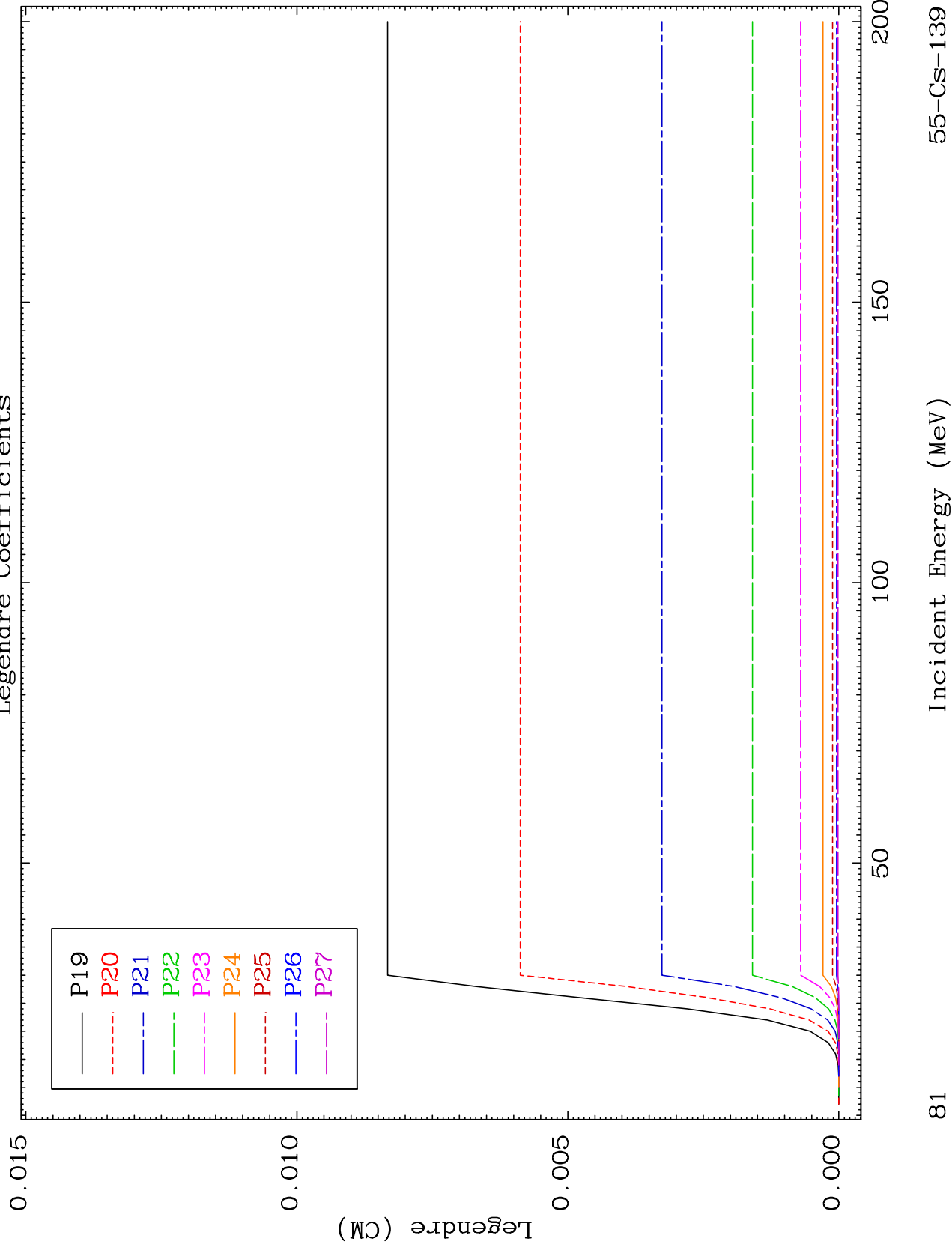
55-Cs-139



MAT 5543

1.071 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



81

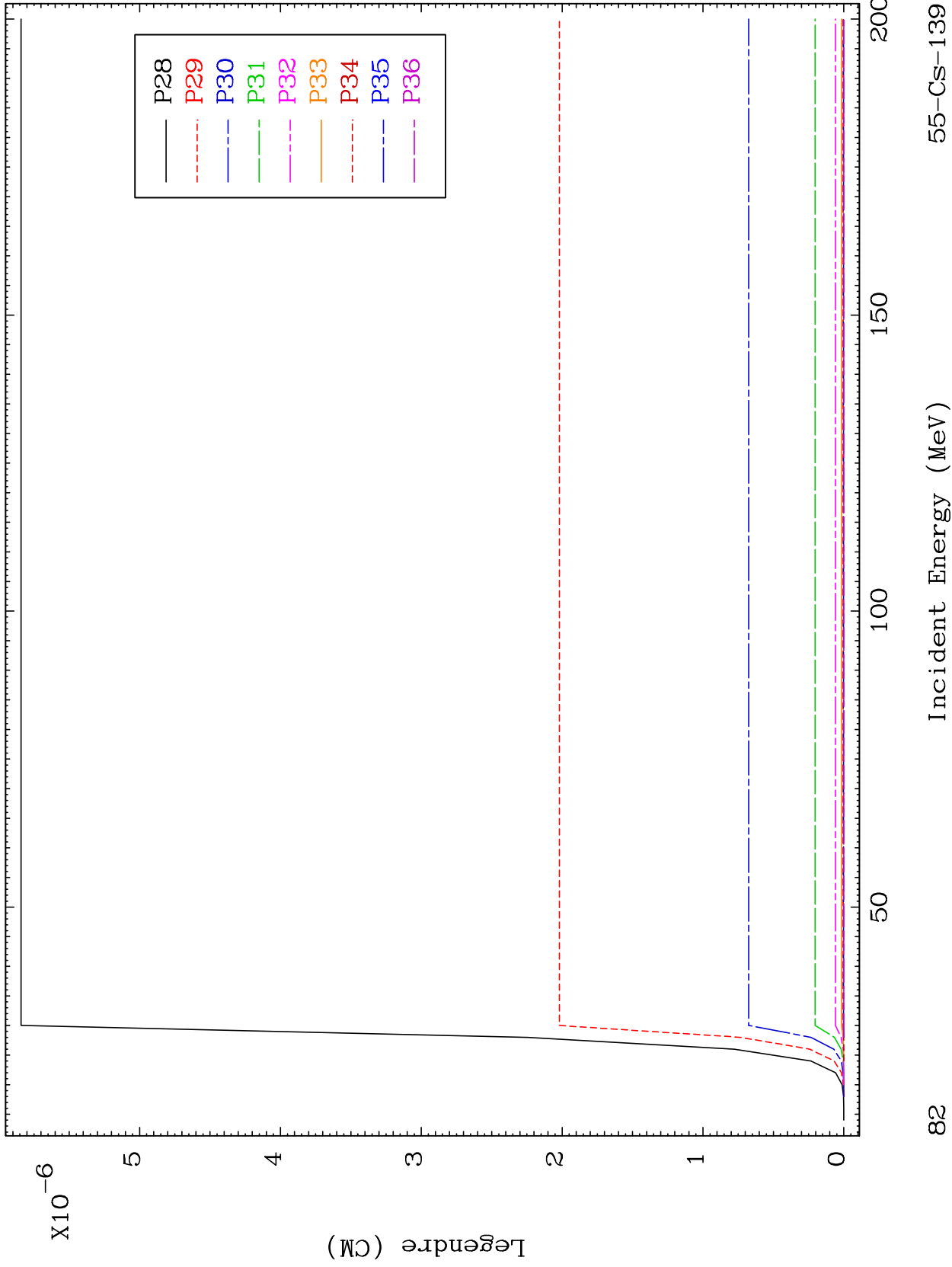
Incident Energy (MeV)

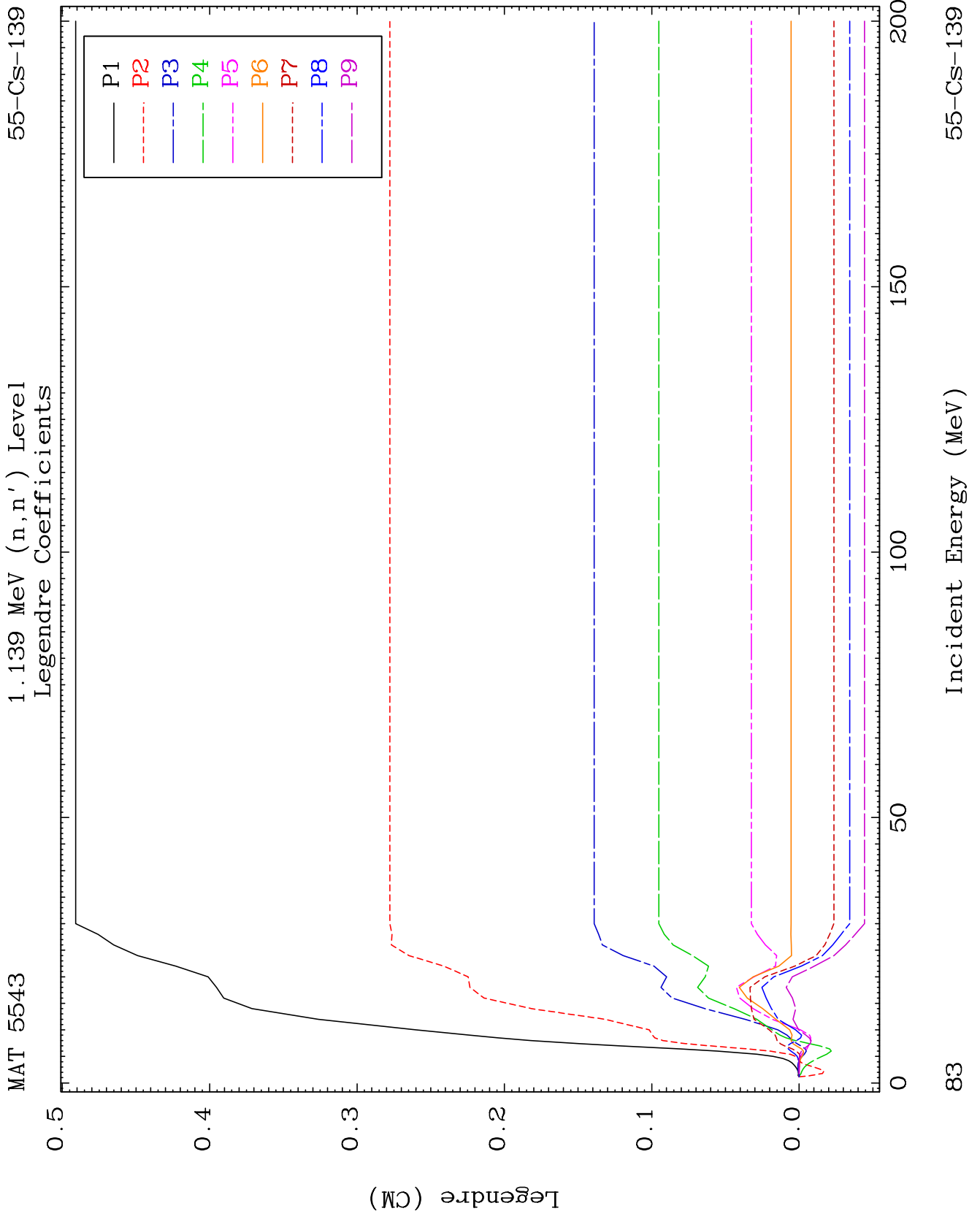
55-Cs-139

MAT 5543

1.071 MeV (n,n') Level
Legendre Coefficients

55-Cs-139

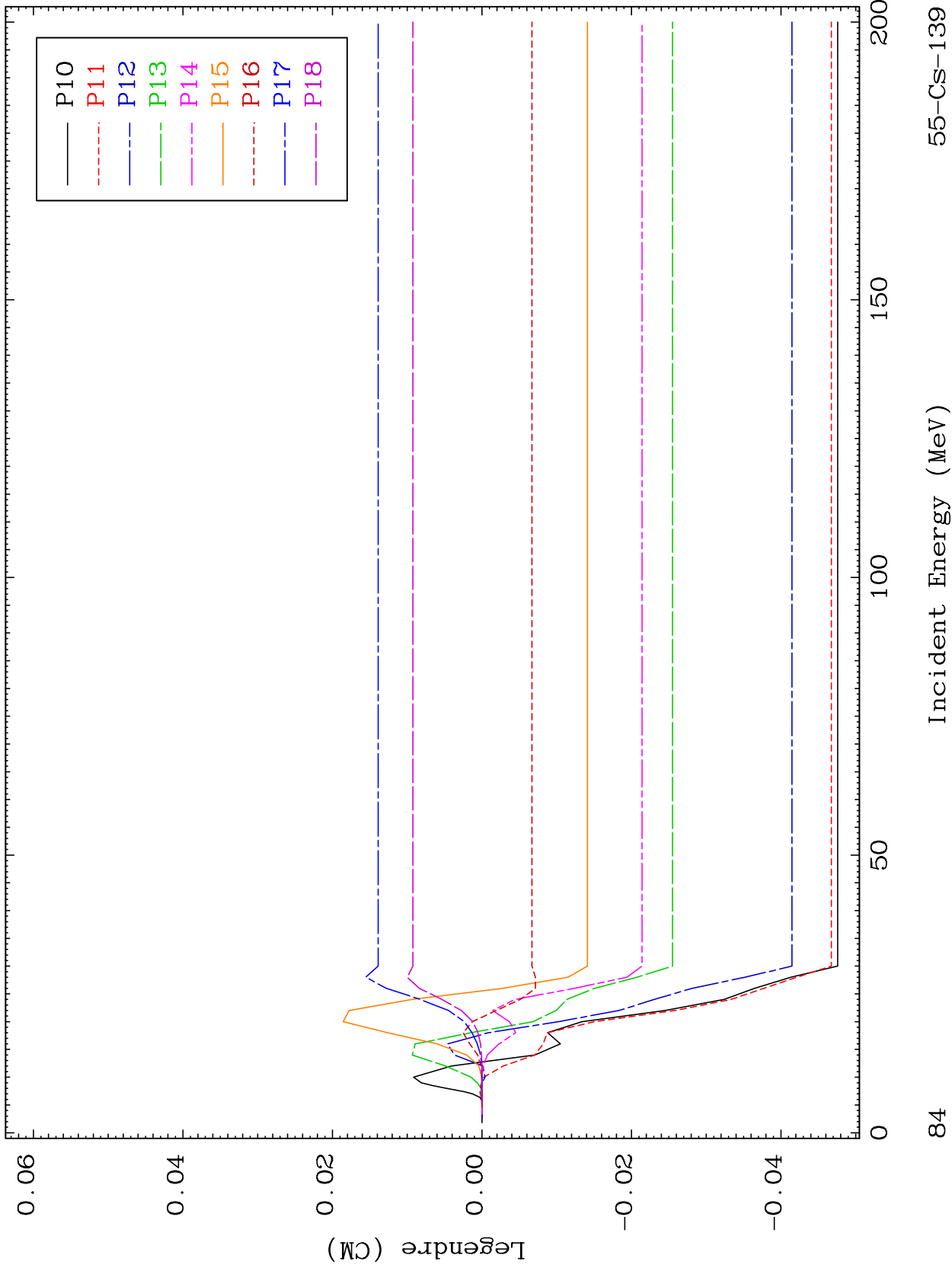




MAT 5543

1.139 MeV (n,n') Level
Legendre Coefficients

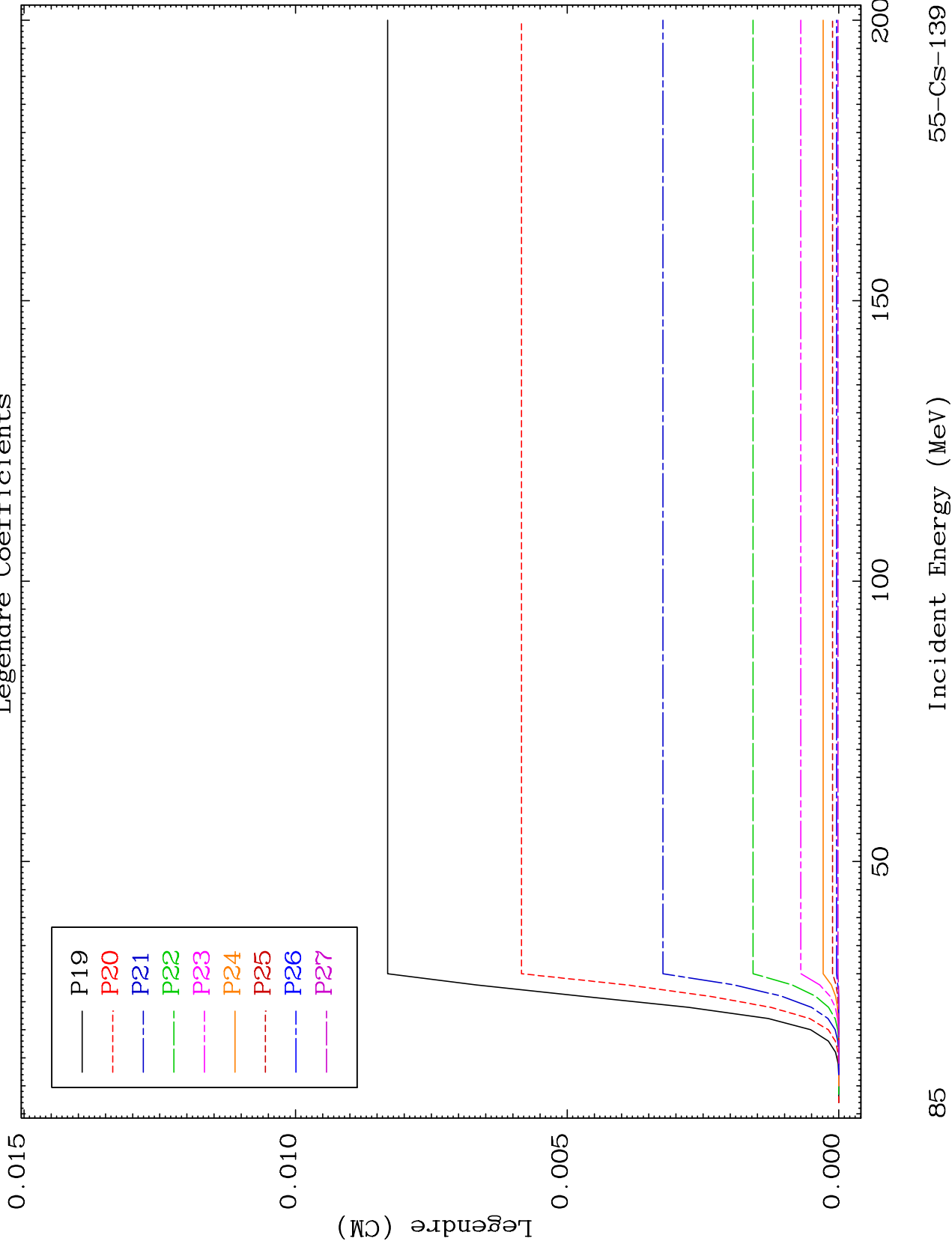
55-Cs-139



MAT 5543

1.139 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



85

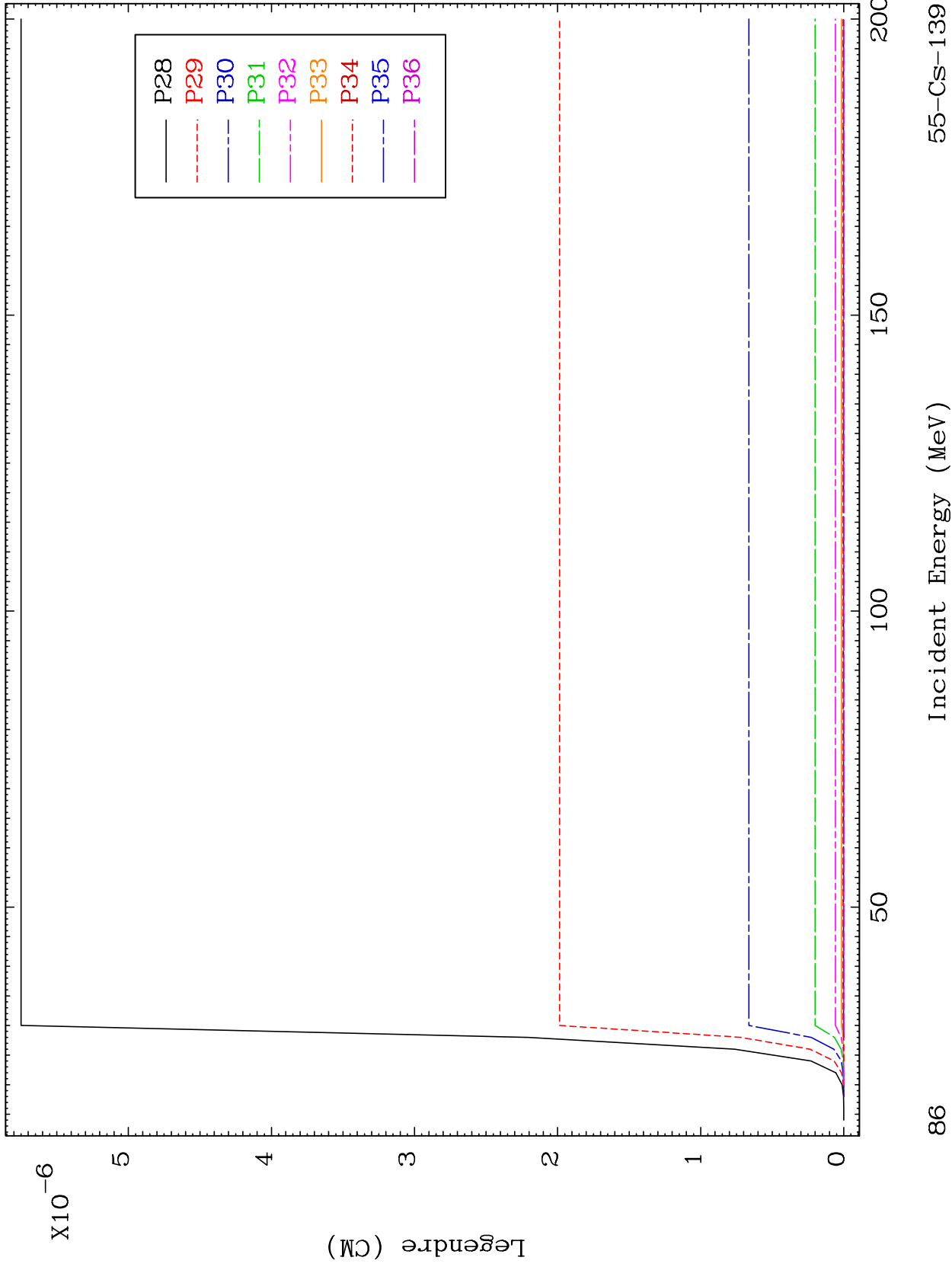
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.139 MeV (n,n') Level
Legendre Coefficients

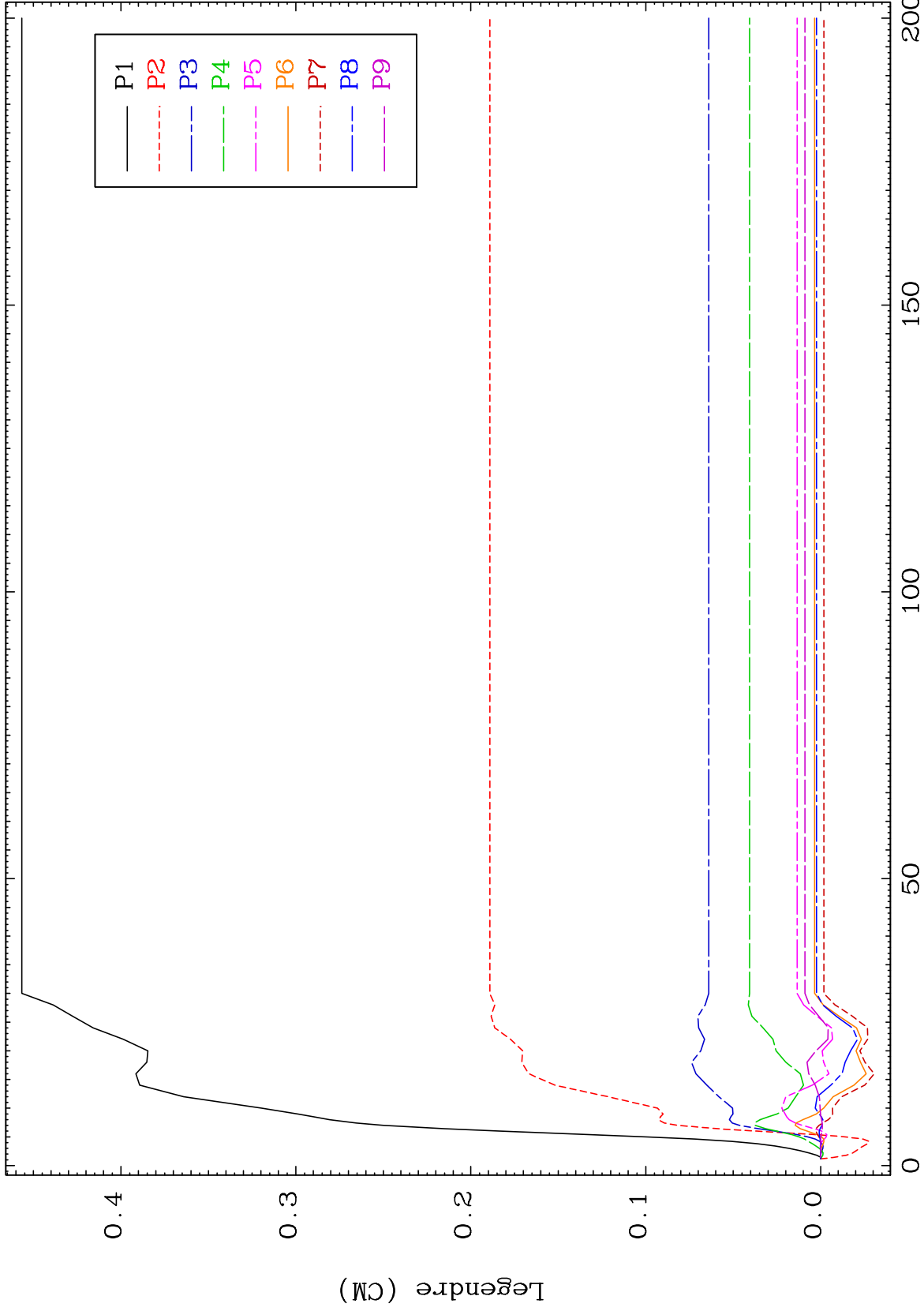
55-Cs-139



MAT 5543

1.146 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



87

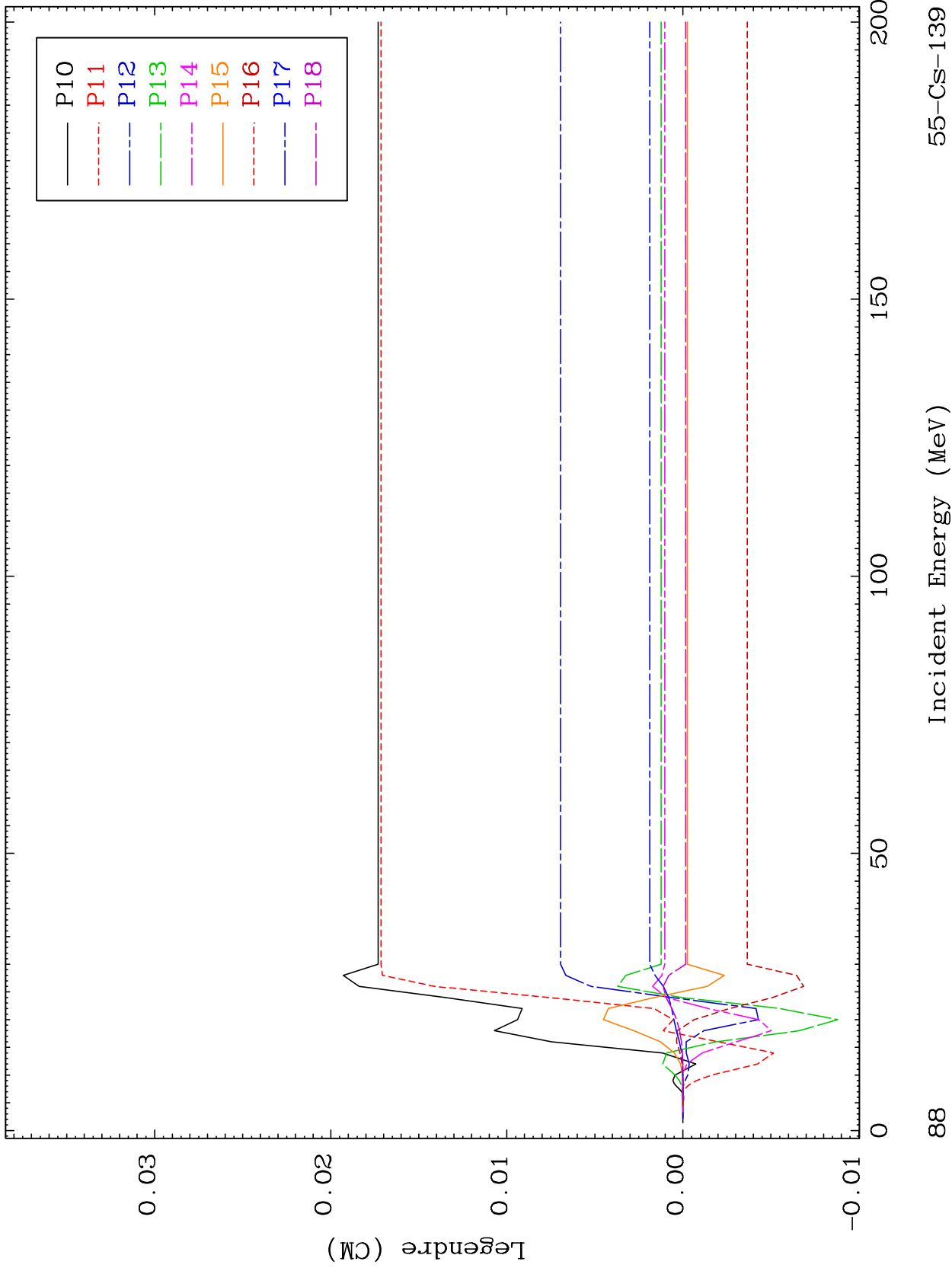
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.146 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

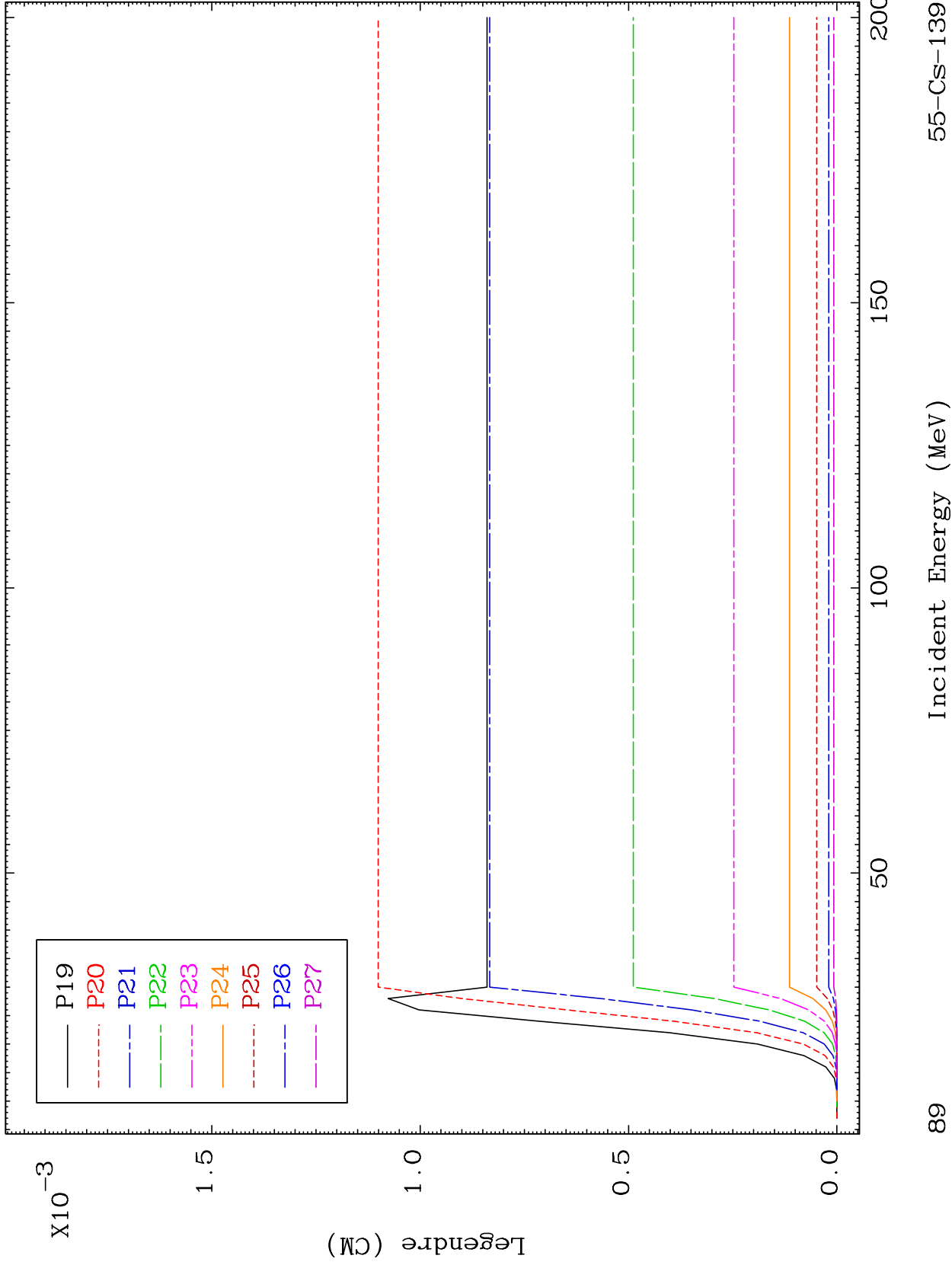
Incident Energy (MeV)

88

MAT 5543

1.146 MeV (n,n') Level
Legendre Coefficients

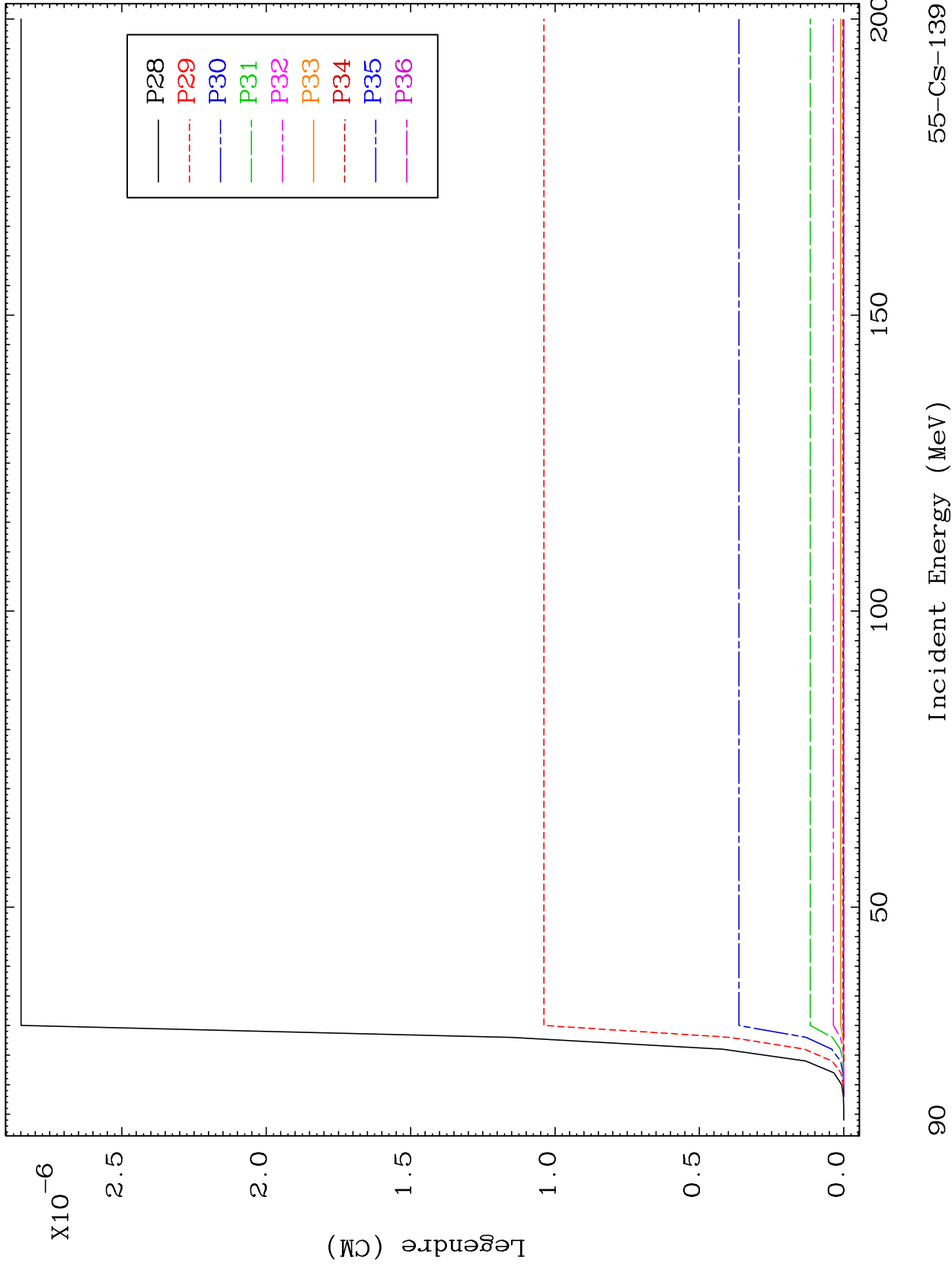
55-Cs-139



MAT 5543

1.146 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

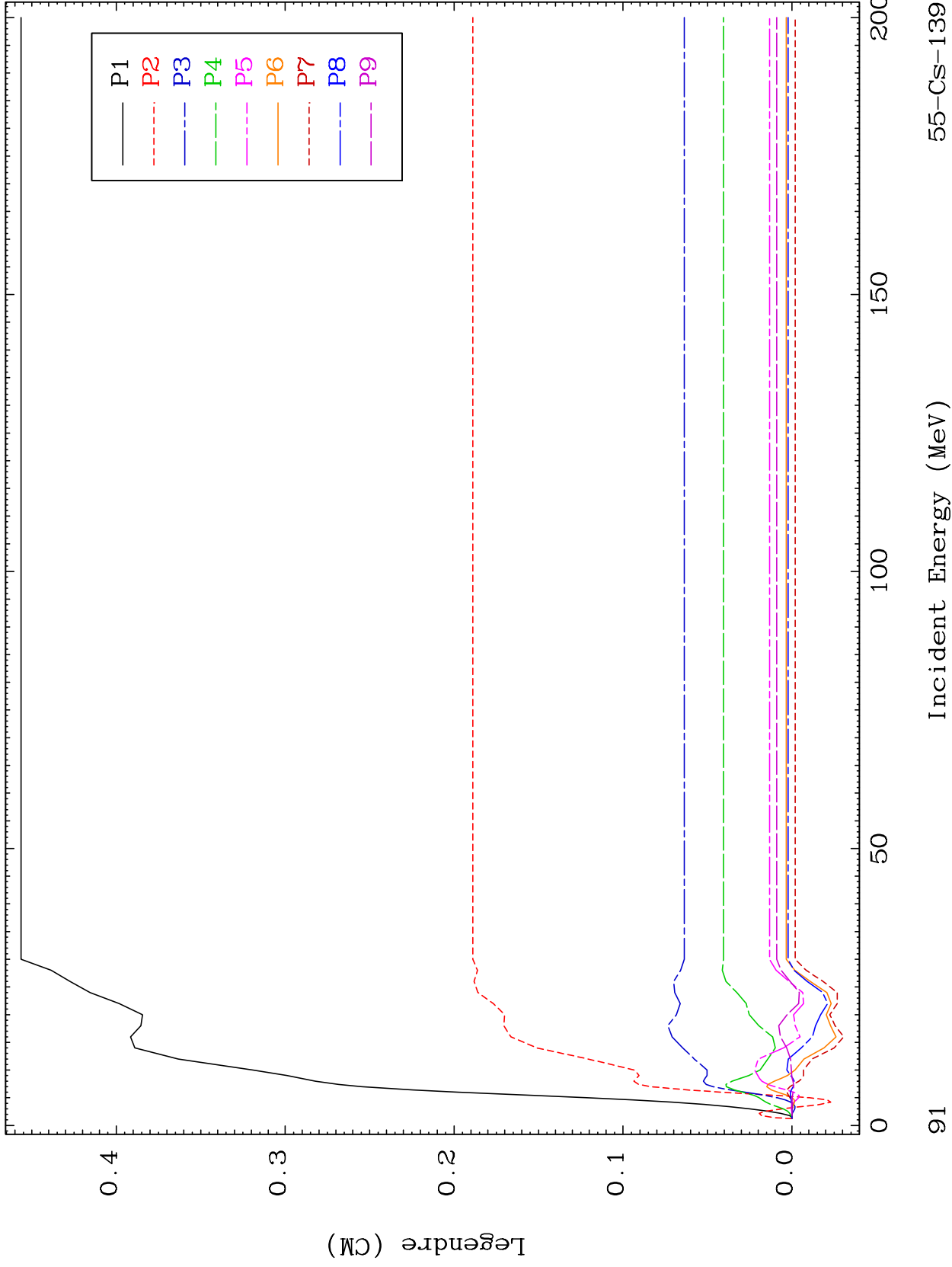
Incident Energy (MeV)

90

MAT 5543

1.215 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



91

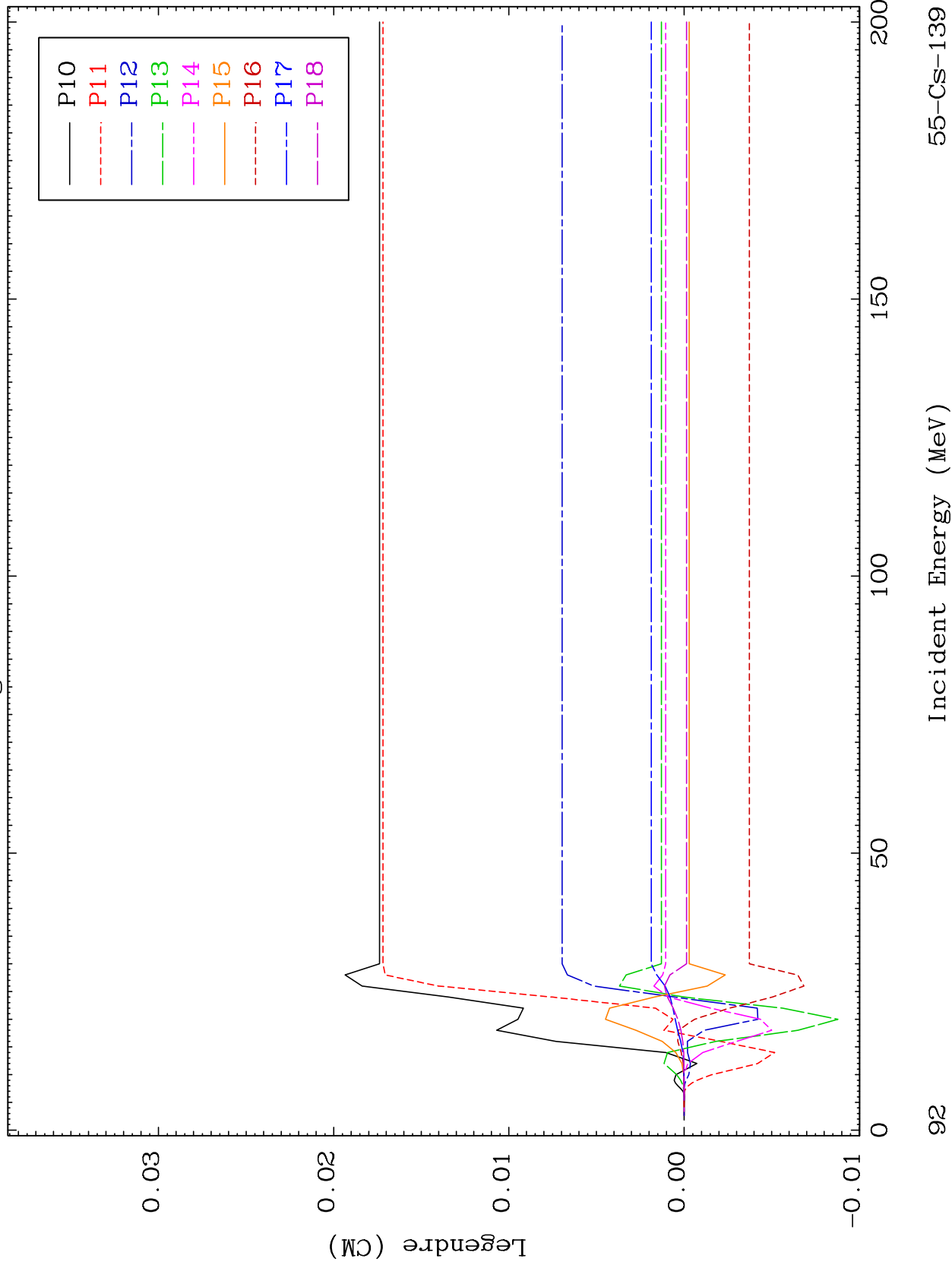
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.215 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

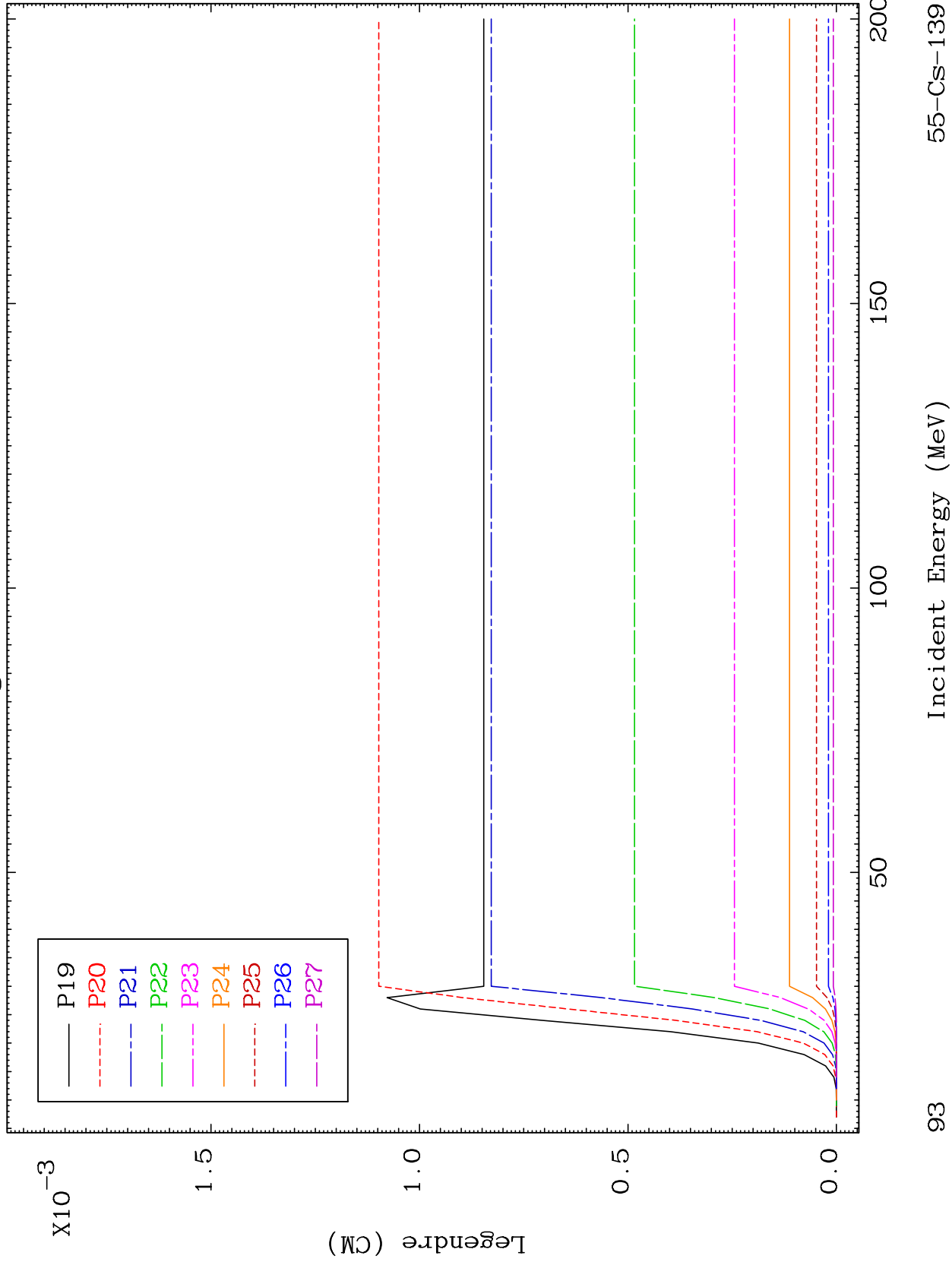
Incident Energy (MeV)

92

MAT 5543

1.215 MeV (n,n') Level
Legendre Coefficients

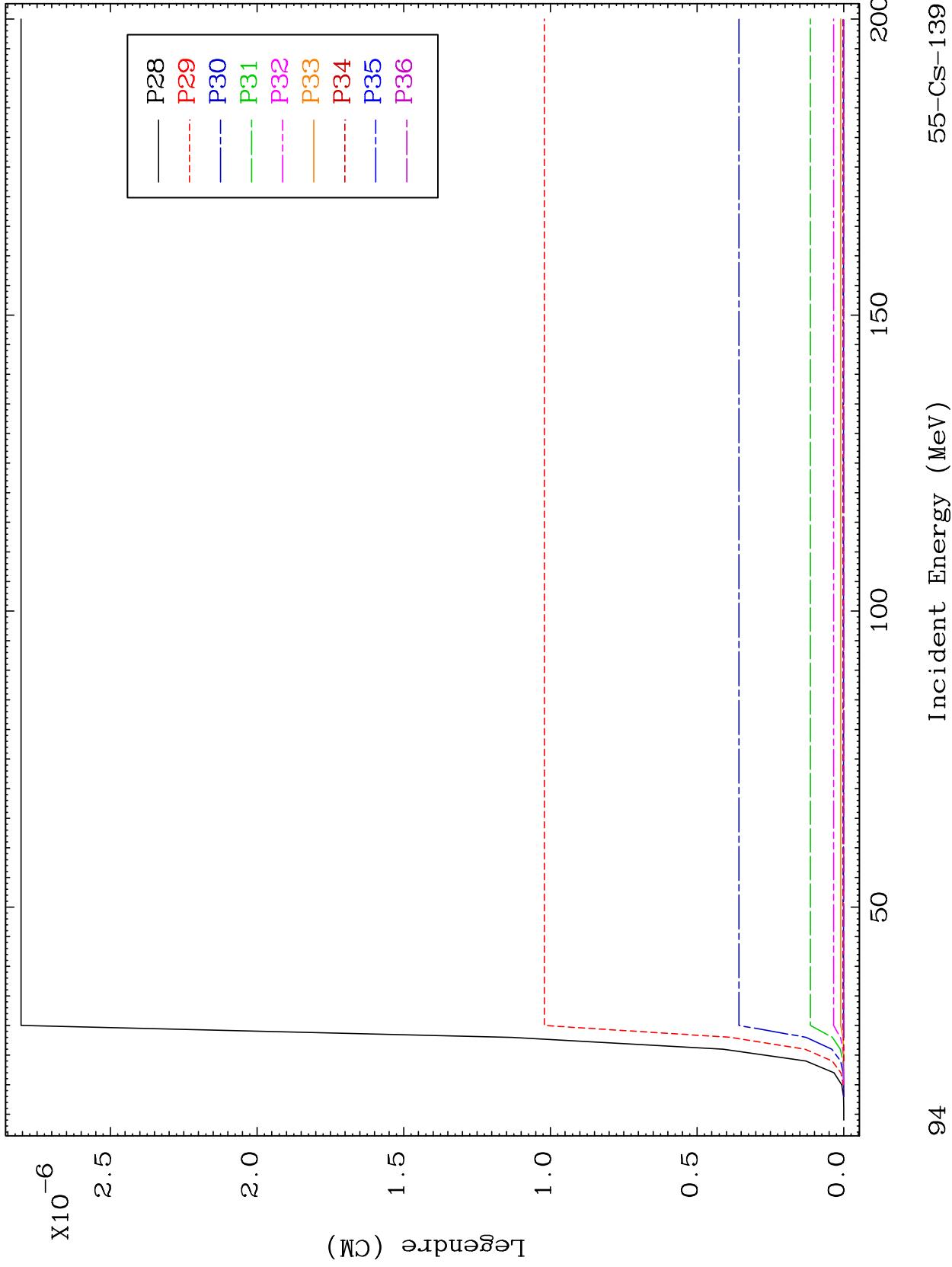
55-Cs-139



MAT 5543

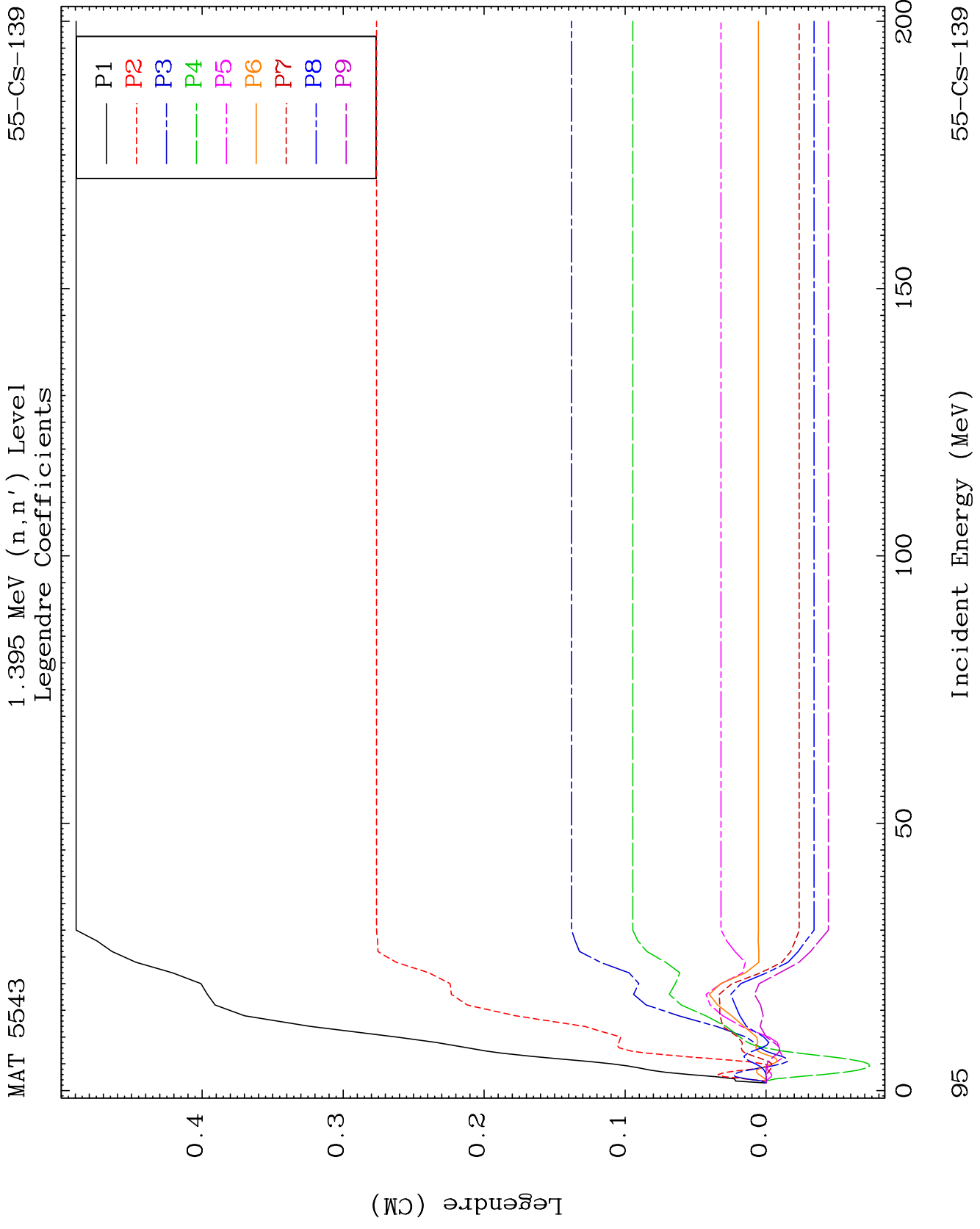
1.215 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



94

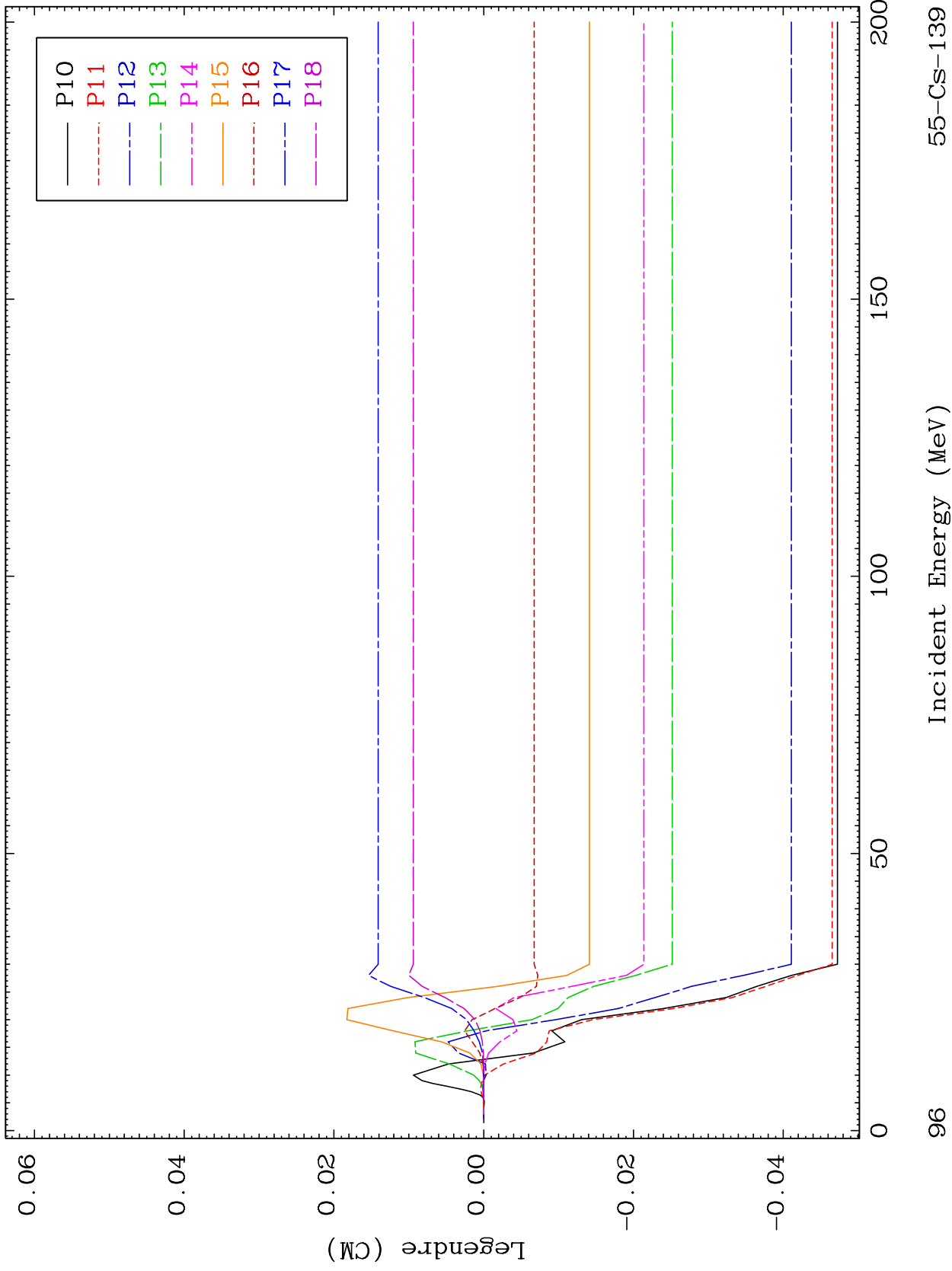
55-Cs-139



MAT 5543

1.395 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



96

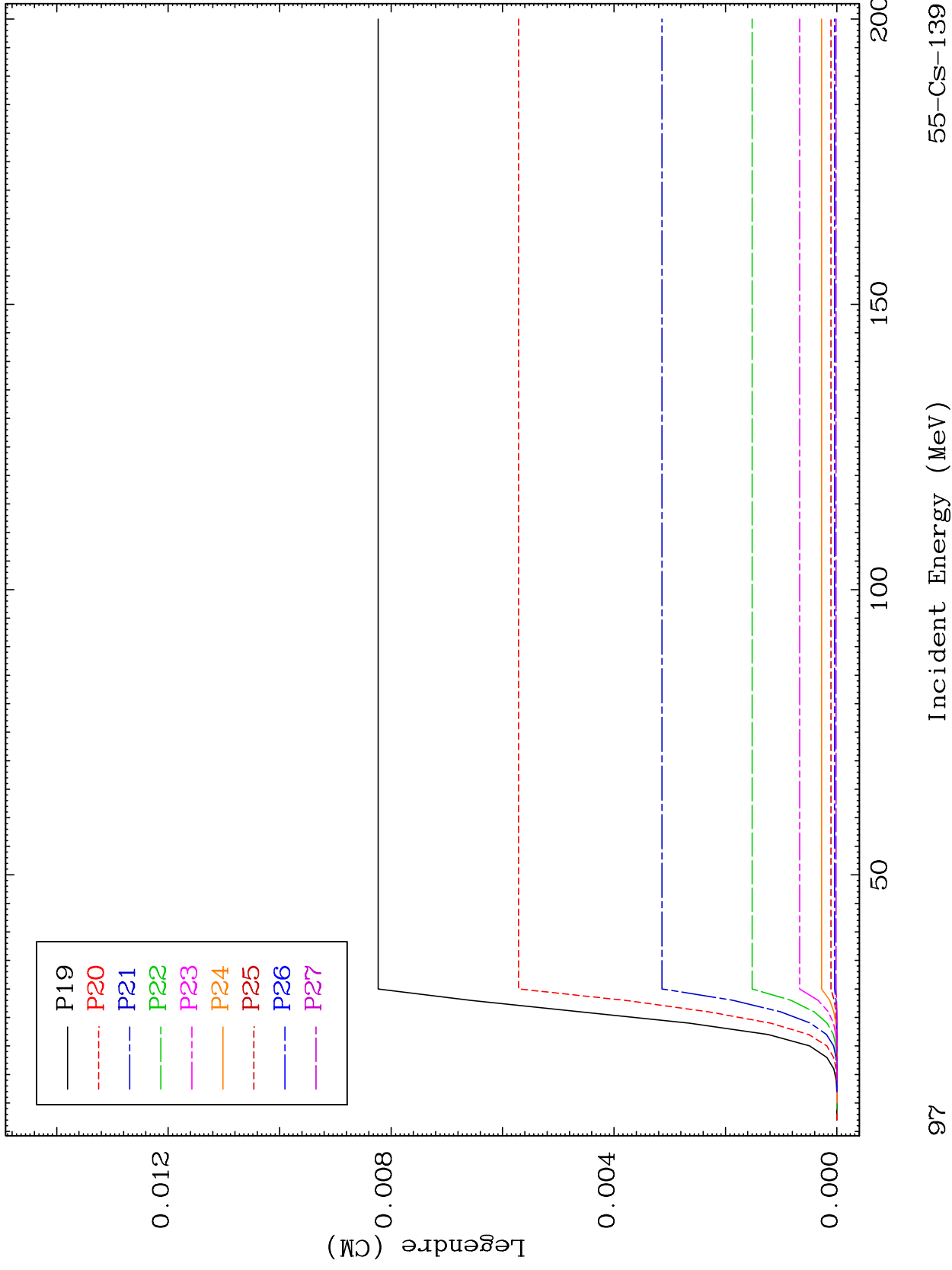
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.395 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



97

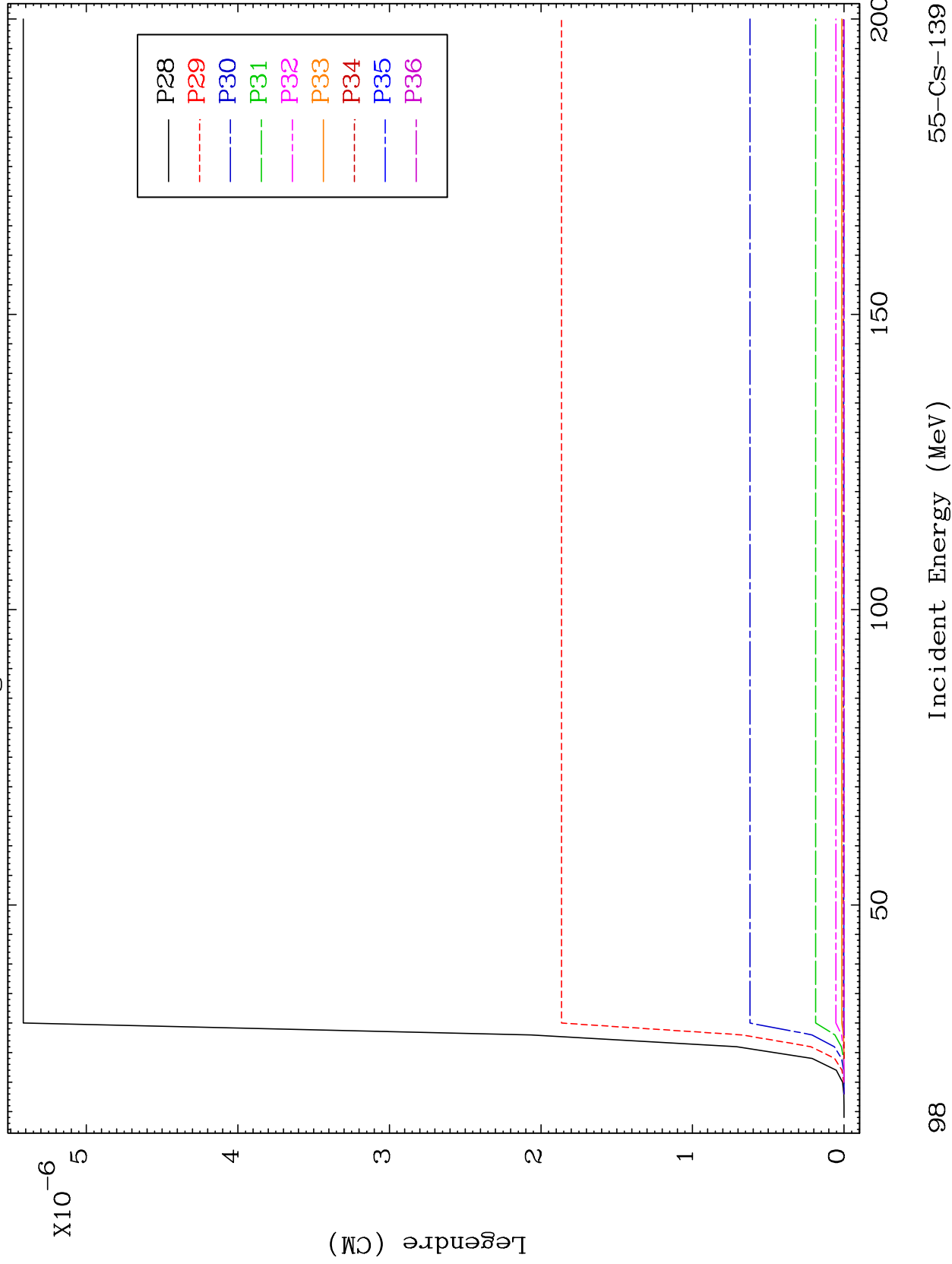
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.395 MeV (n,n') Level
Legendre Coefficients

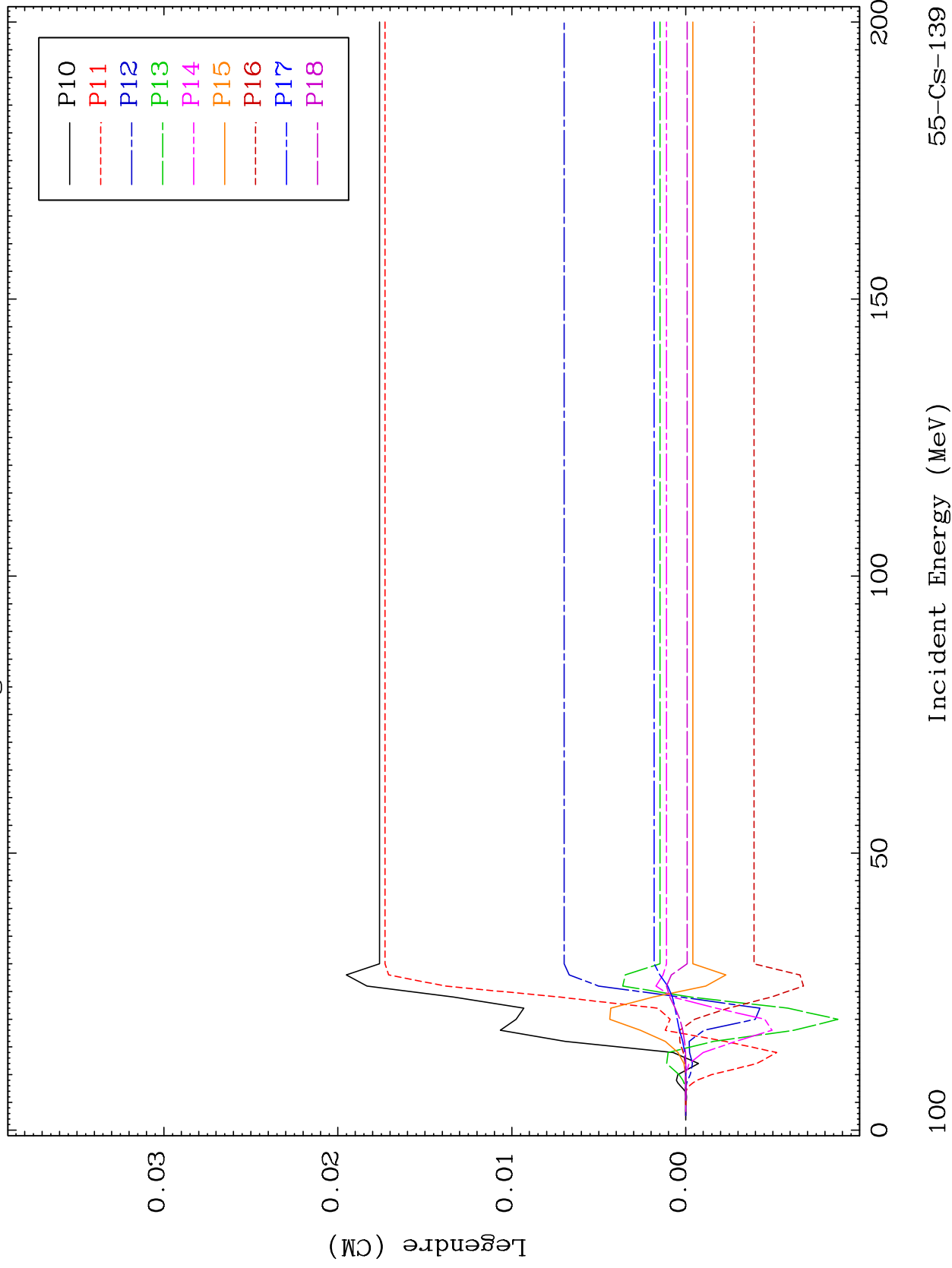
55-Cs-139



MAT 5543

1.412 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



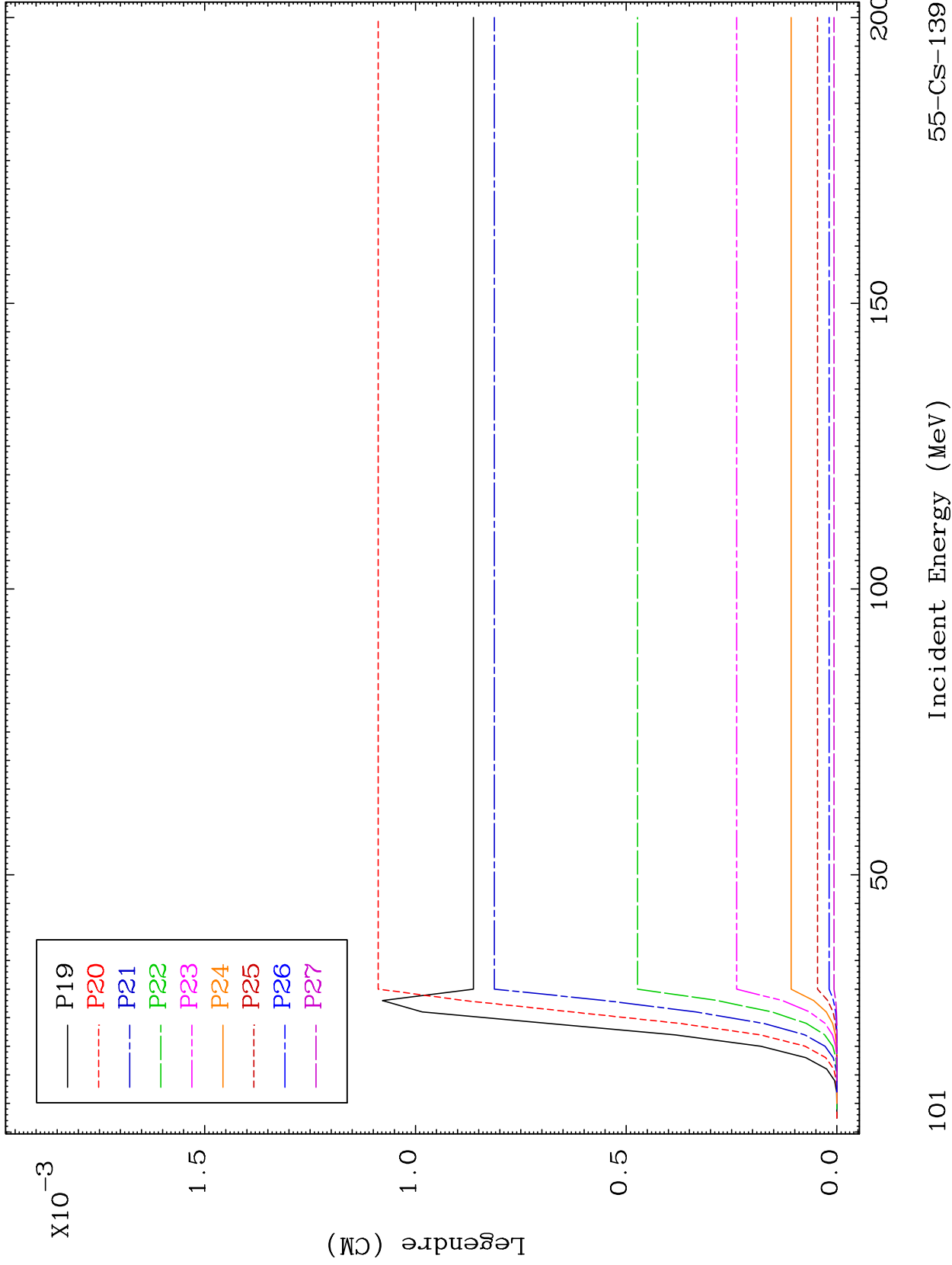
55-Cs-139

Incident Energy (MeV)

MAT 5543

1.412 MeV (n,n') Level
Legendre Coefficients

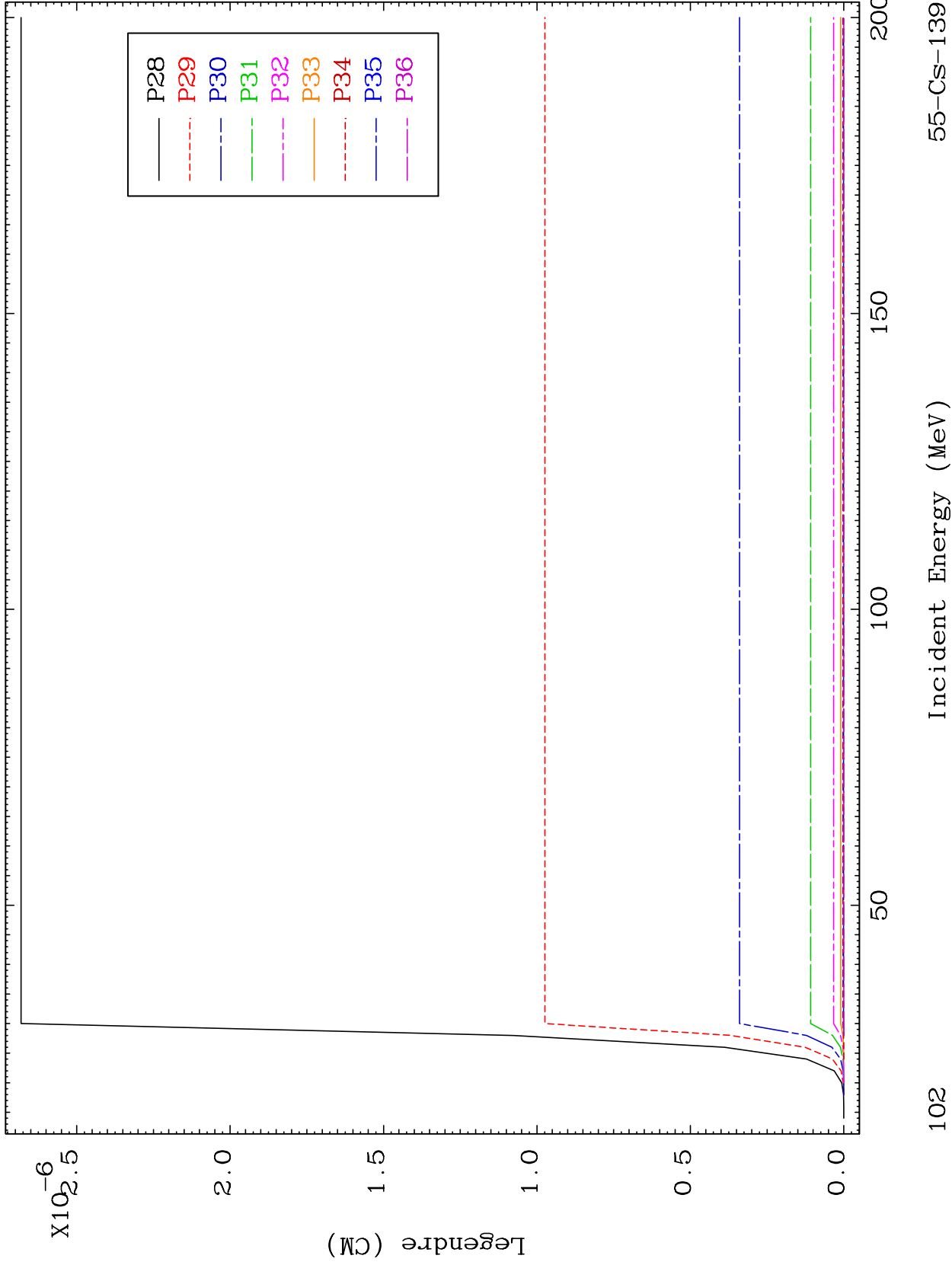
55-Cs-139



MAT 5543

1.412 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



102

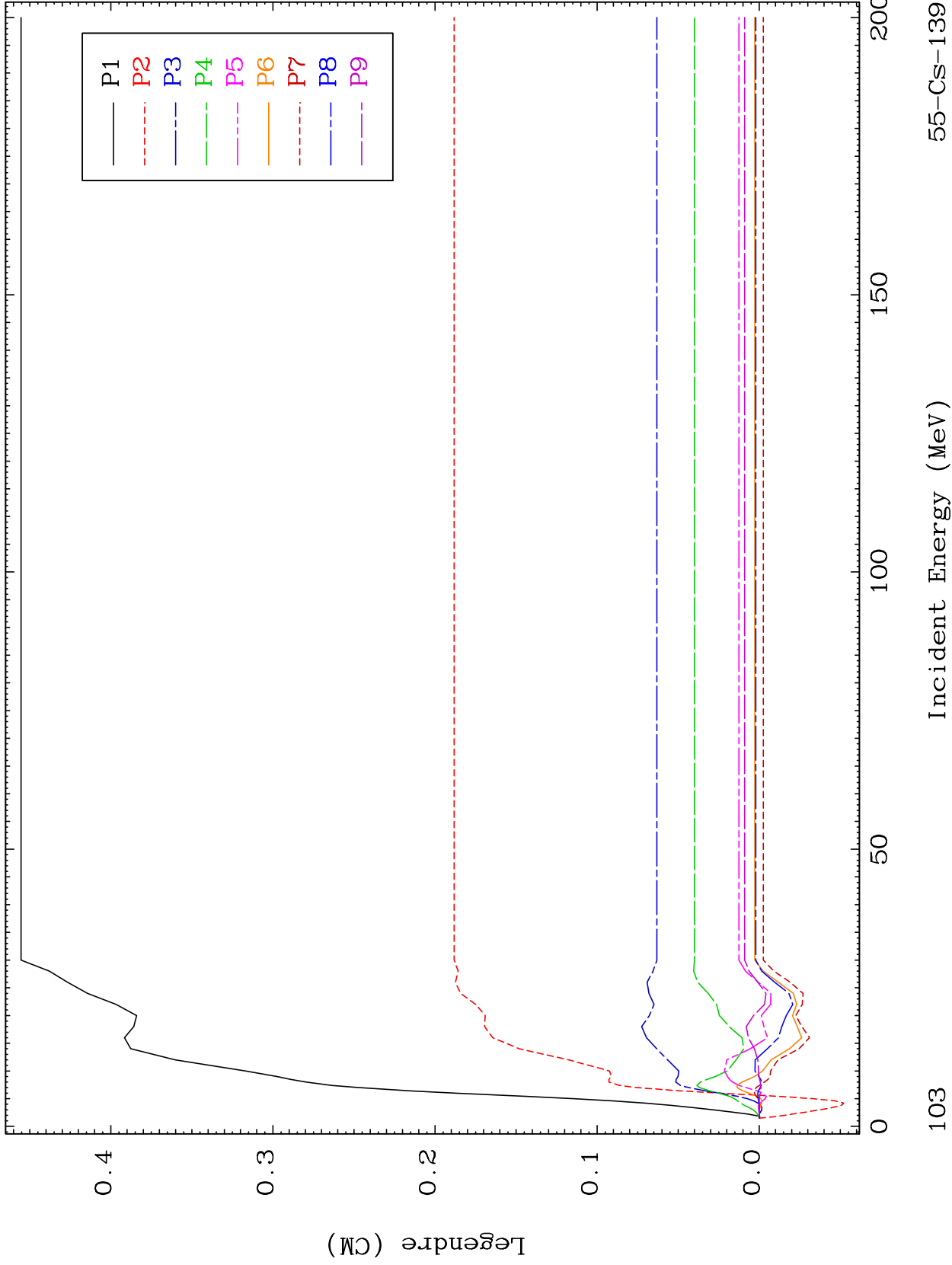
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.461 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

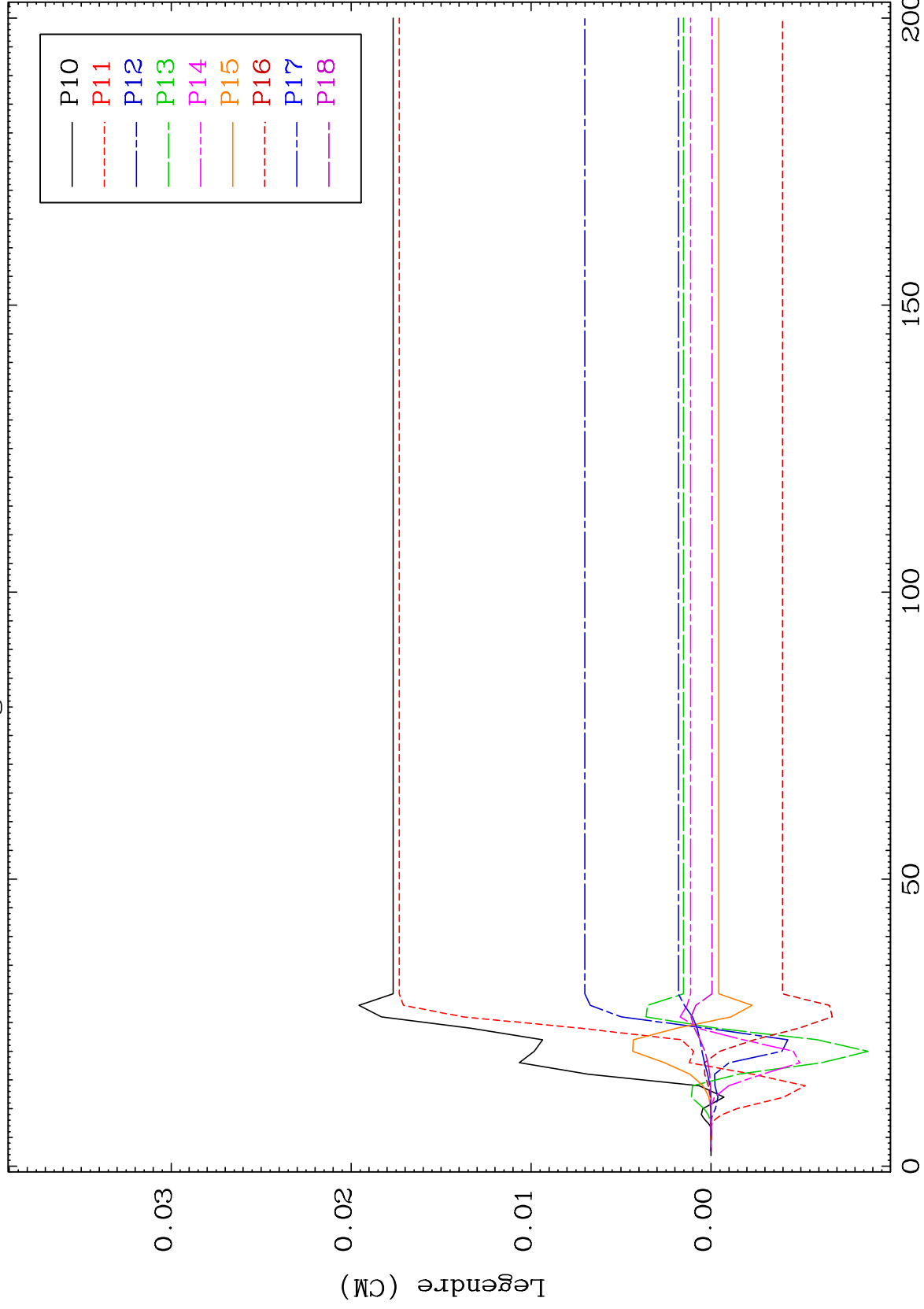
Incident Energy (MeV)

103

MAT 5543

1.461 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

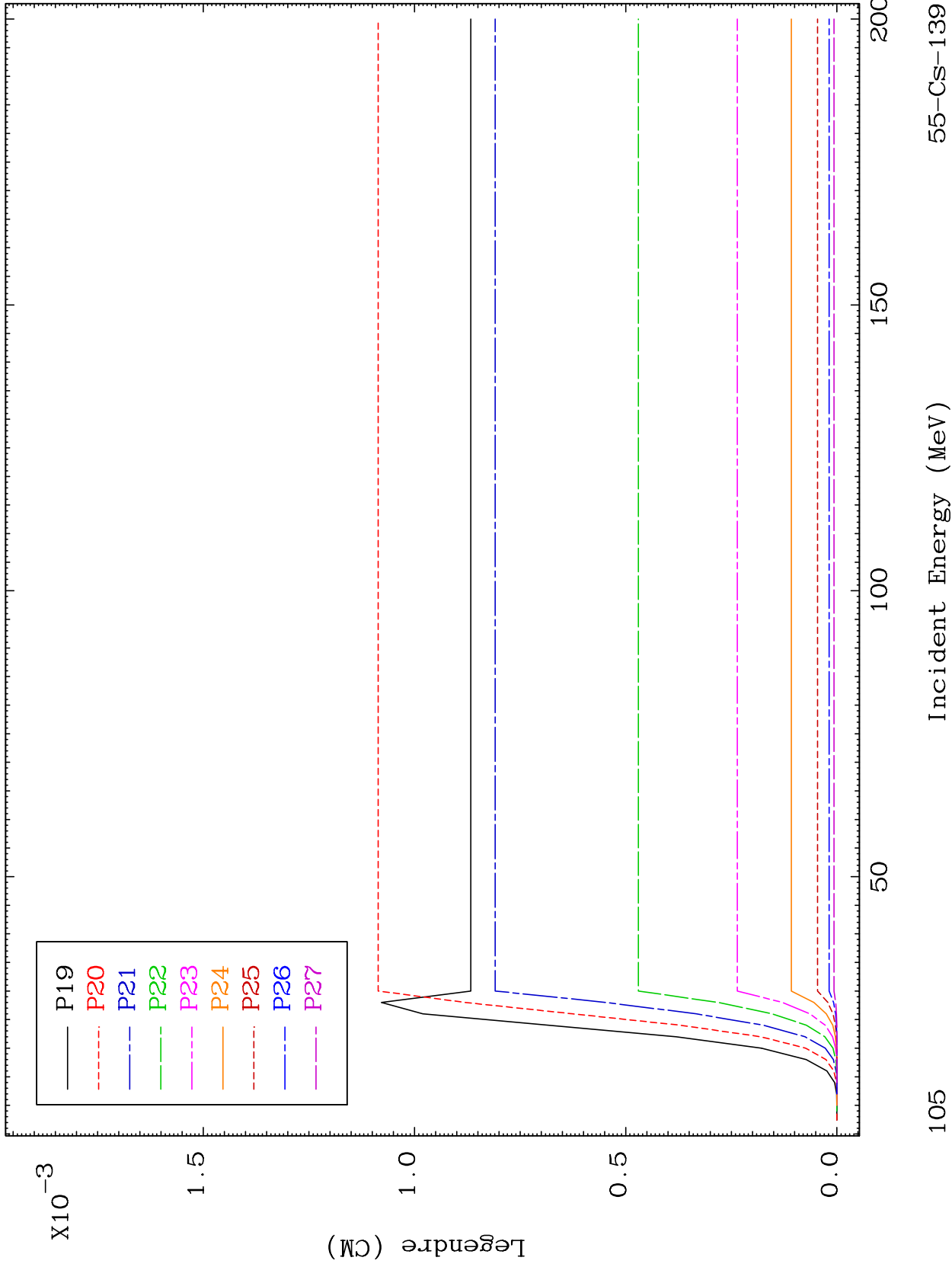
Incident Energy (MeV)

104

MAT 5543

1.461 MeV (n,n') Level
Legendre Coefficients

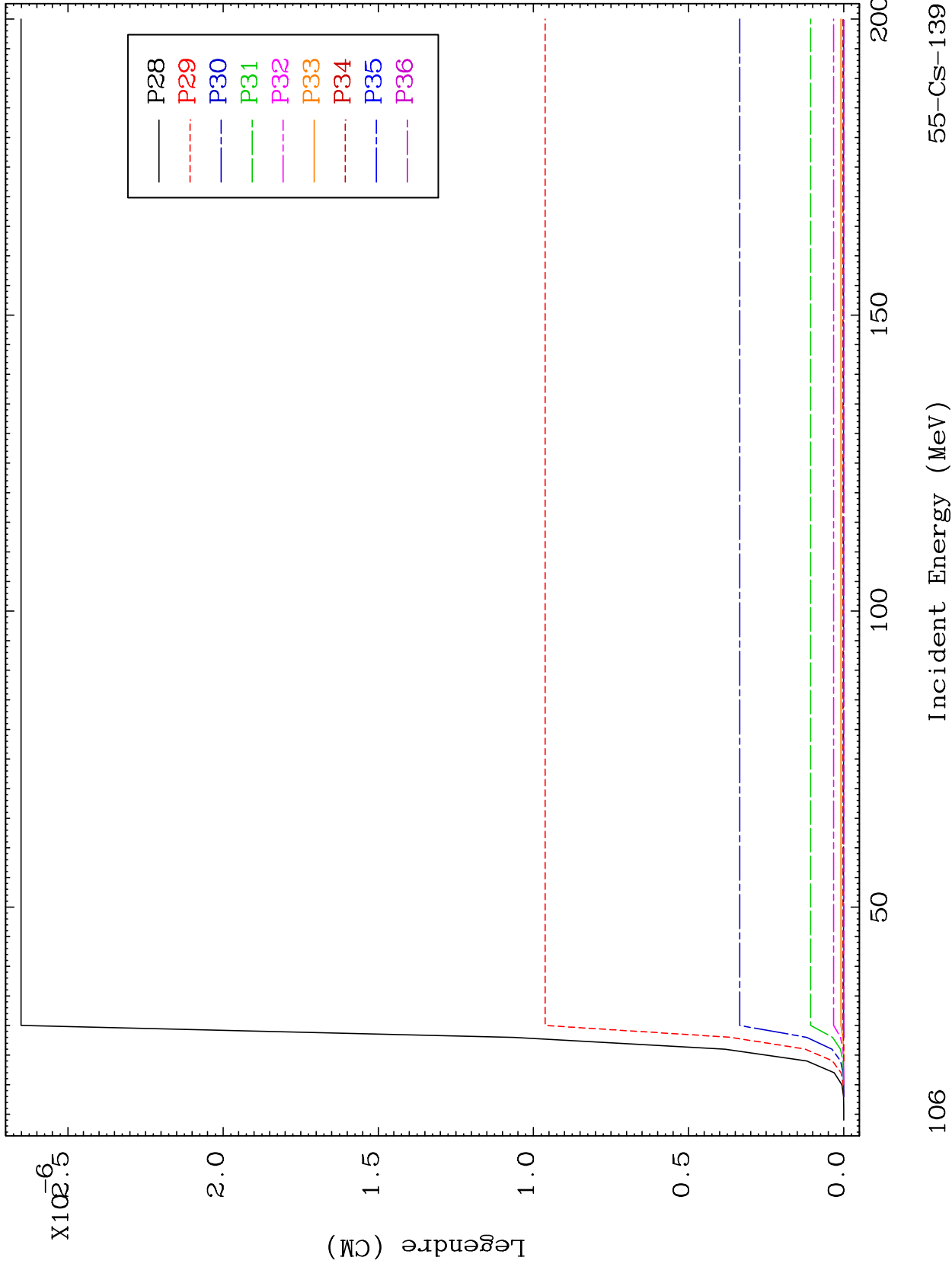
55-Cs-139



MAT 5543

1.461 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

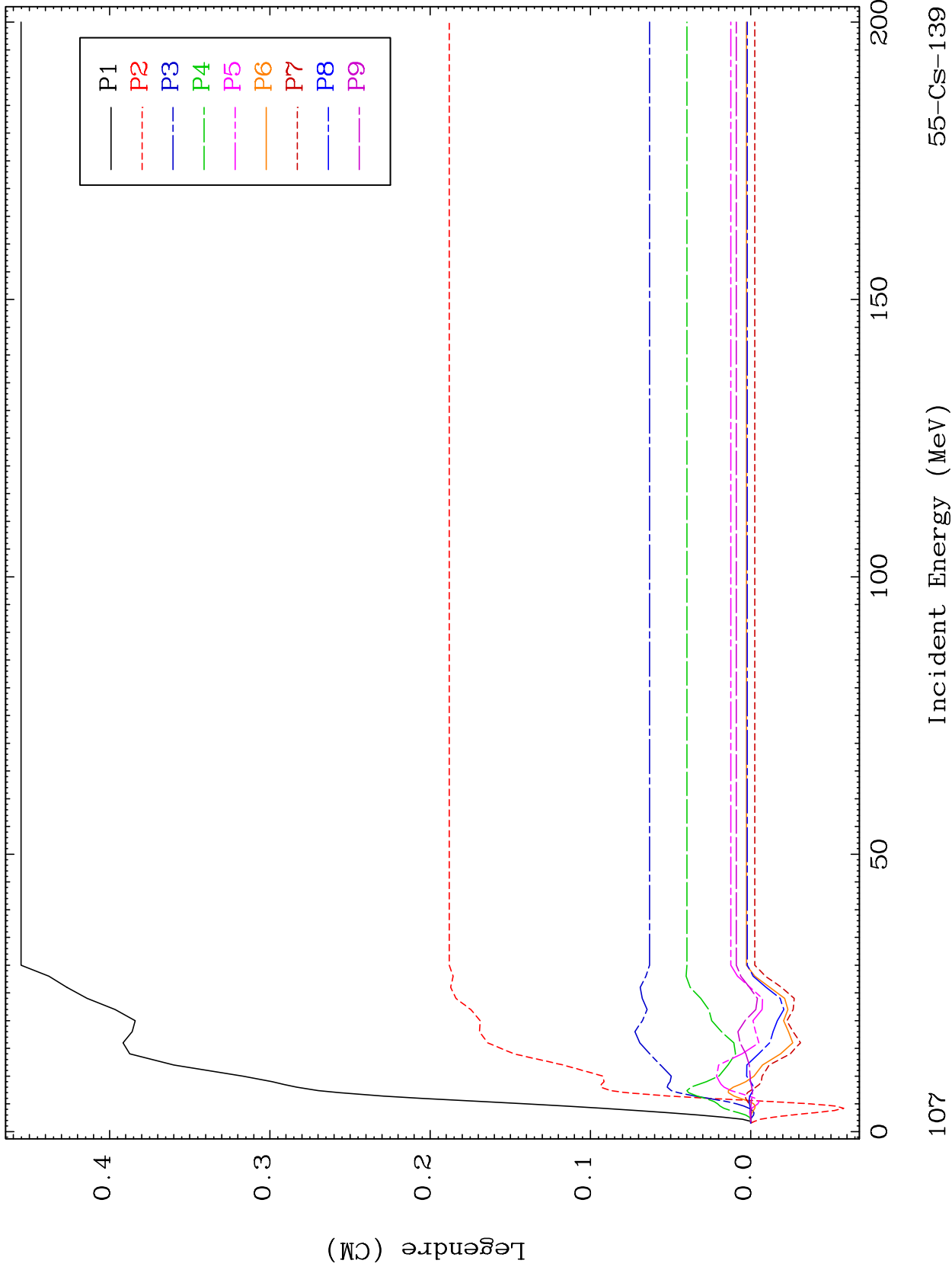
Incident Energy (MeV)

106

MAT 5543

1.499 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

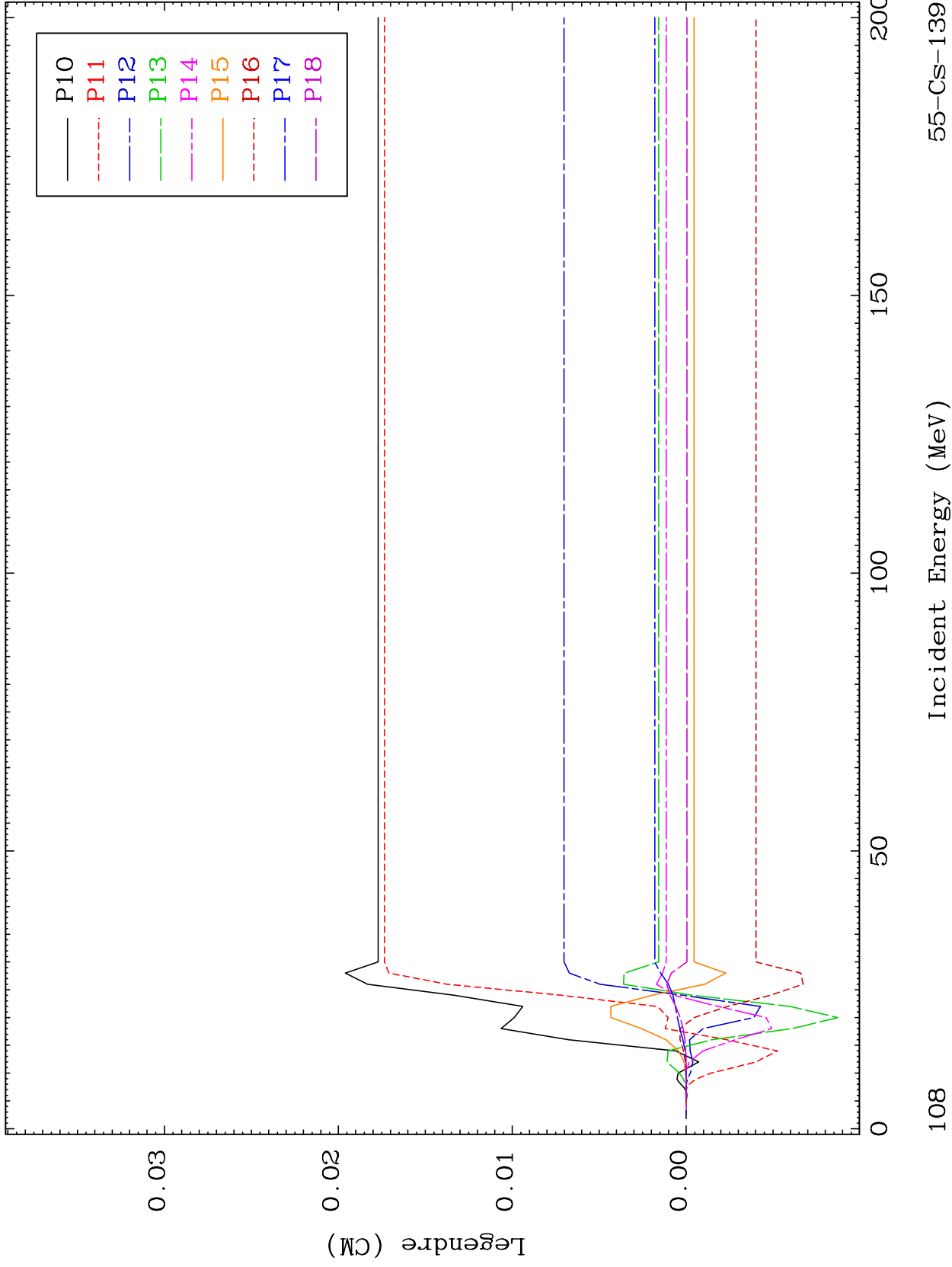
Incident Energy (MeV)

107

MAT 5543

1.499 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



55-Cs-139

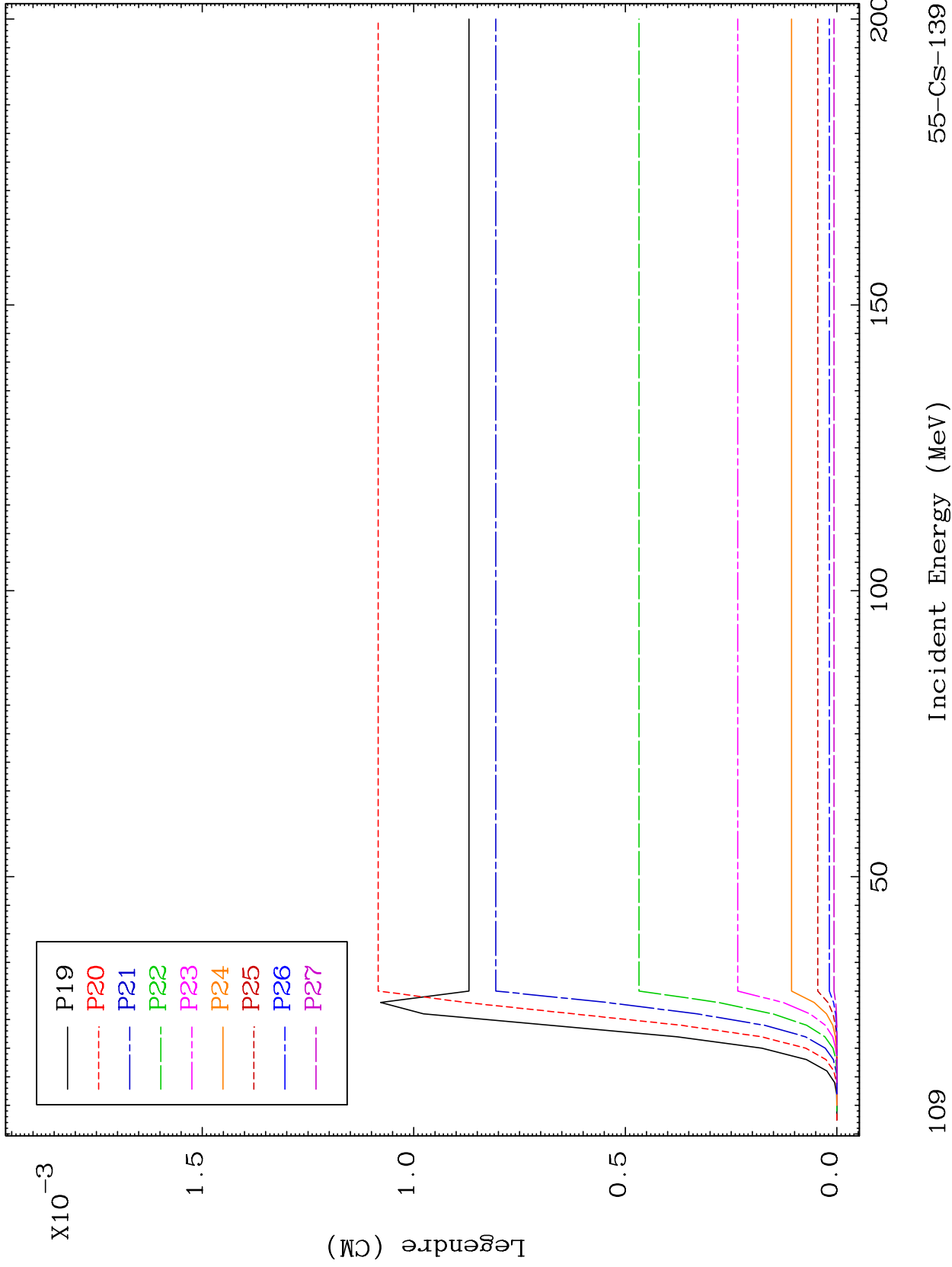
Incident Energy (MeV)

108

MAT 5543

1.499 MeV (n,n') Level
Legendre Coefficients

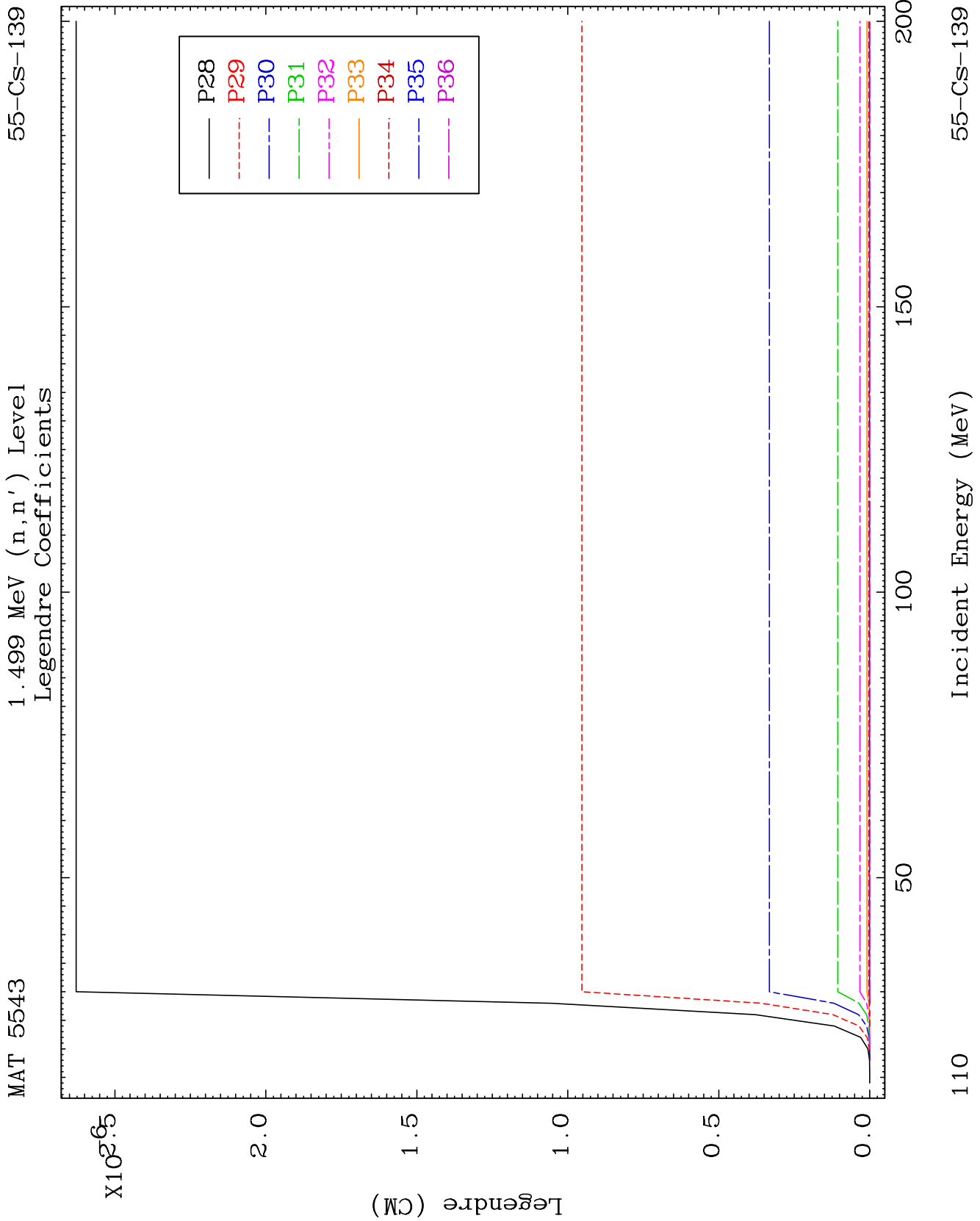
55-Cs-139

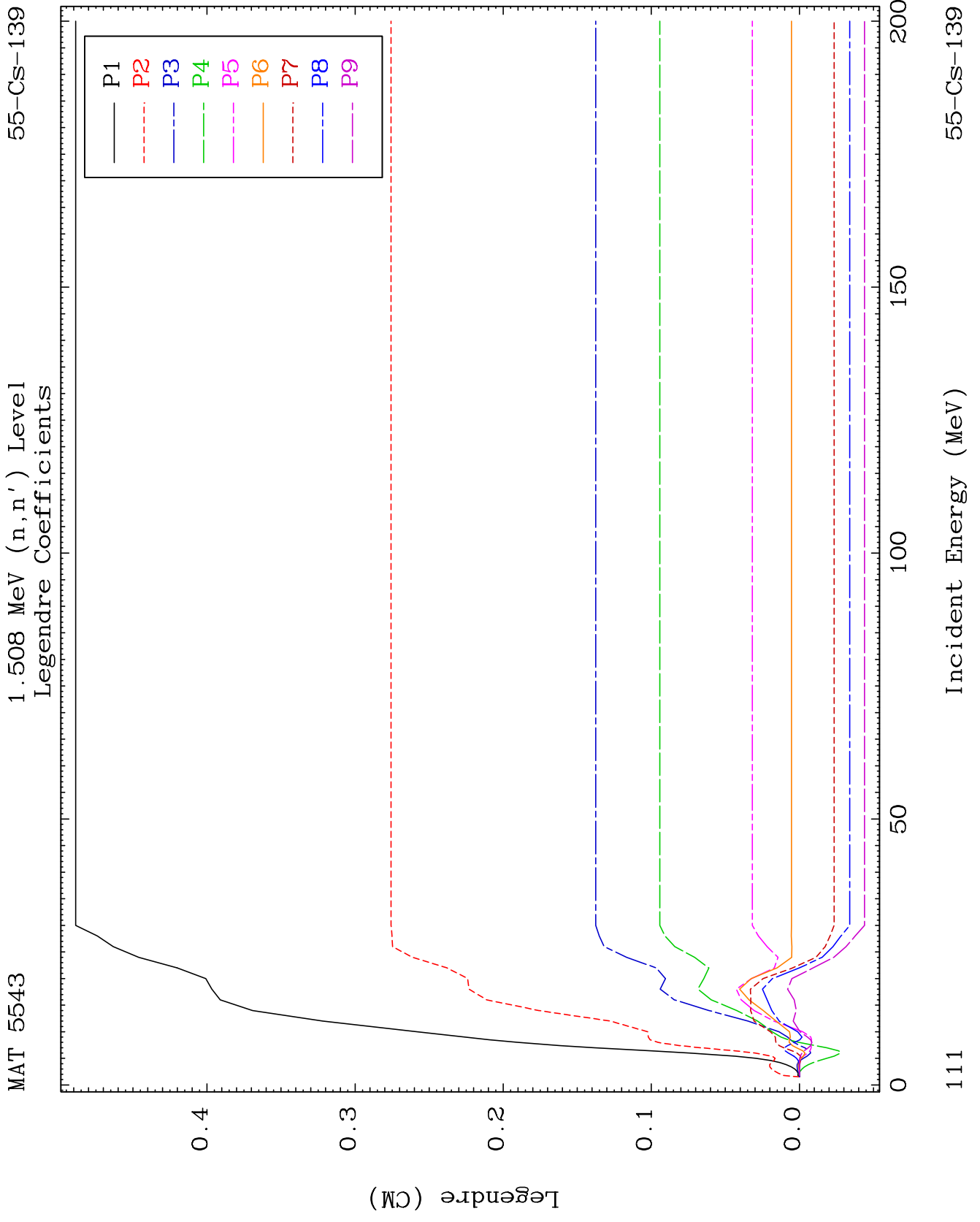


109

Incident Energy (MeV)

55-Cs-139

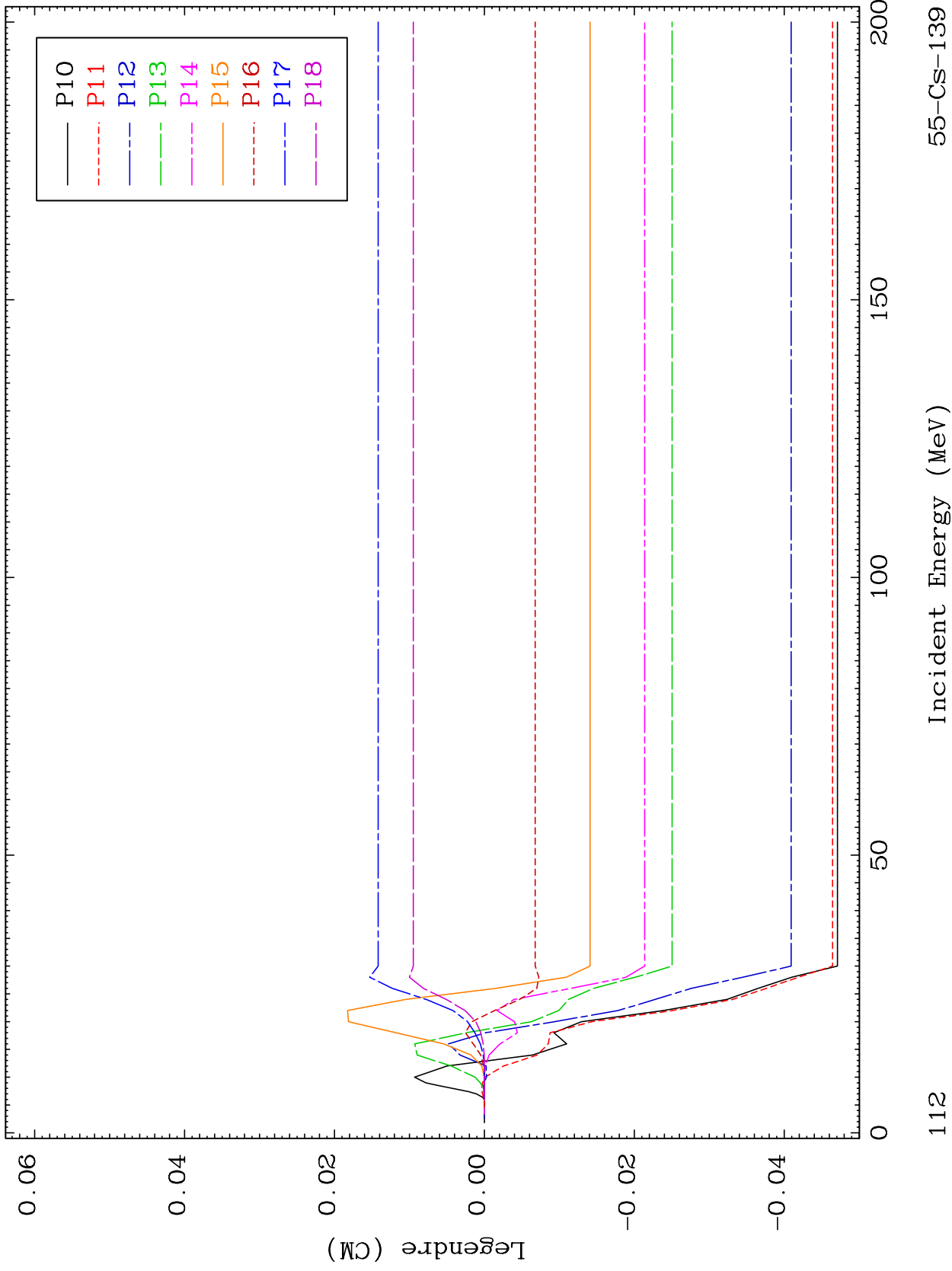




MAT 5543

1.508 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



112

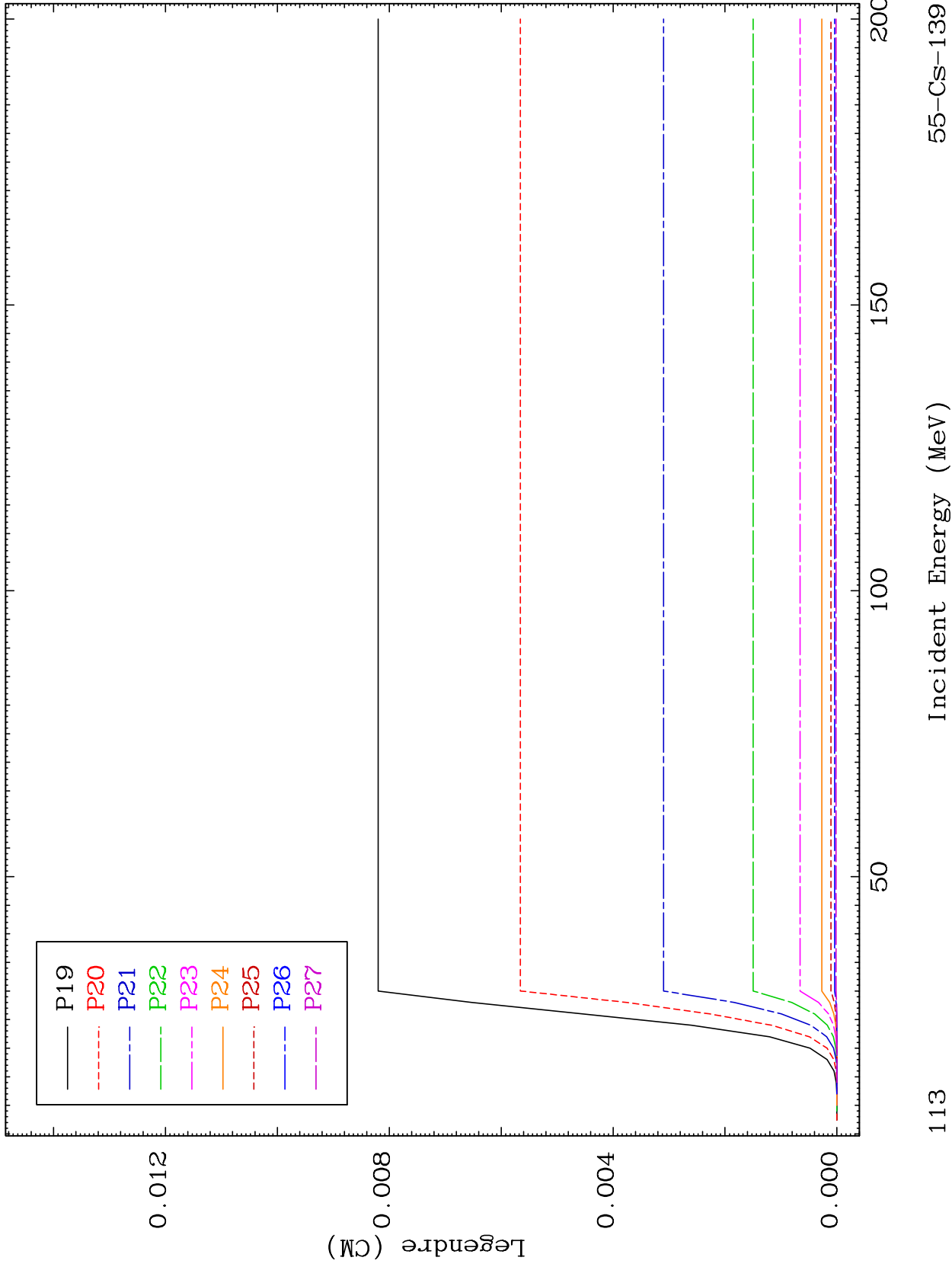
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.508 MeV (n,n') Level
Legendre Coefficients

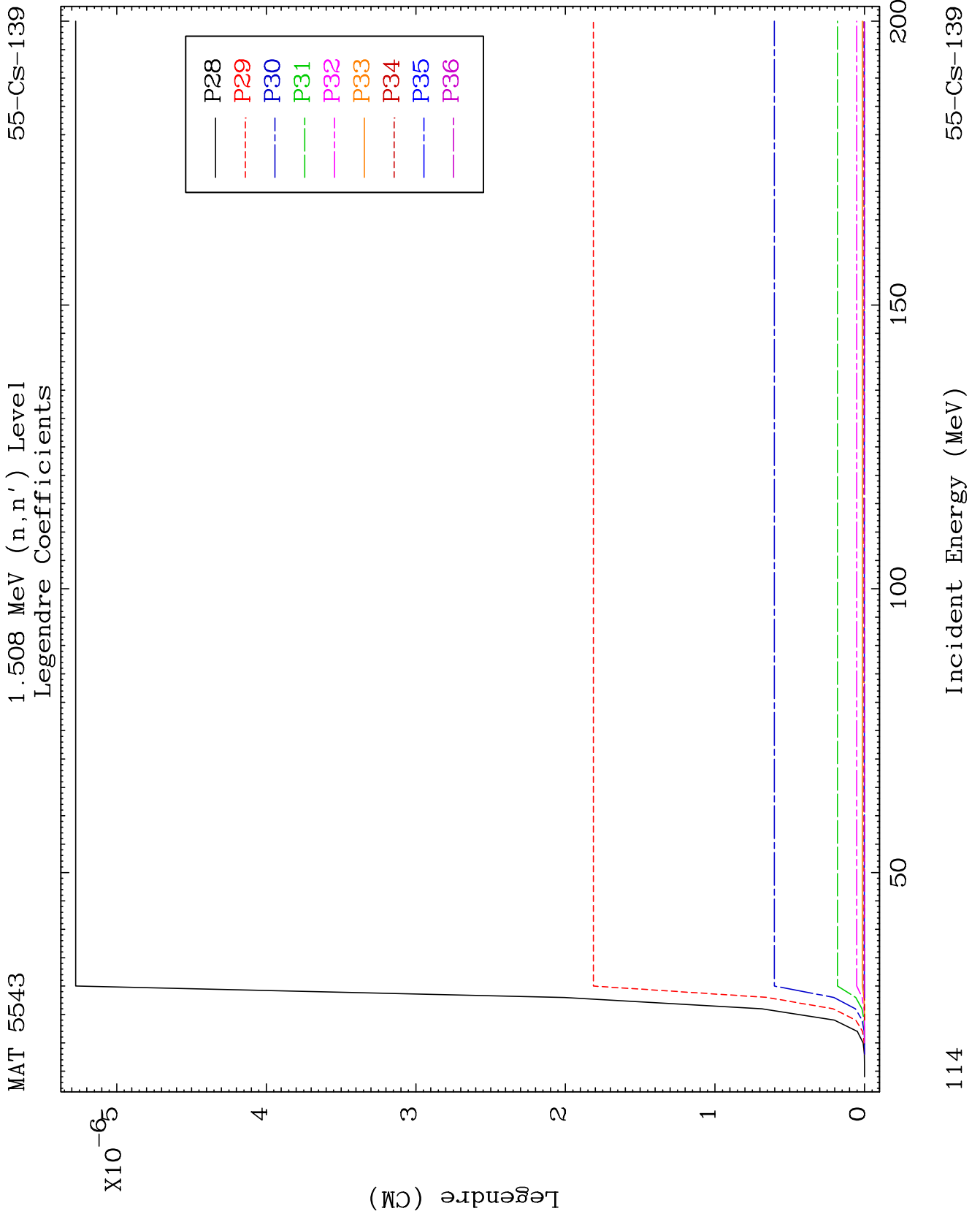
55-Cs-139

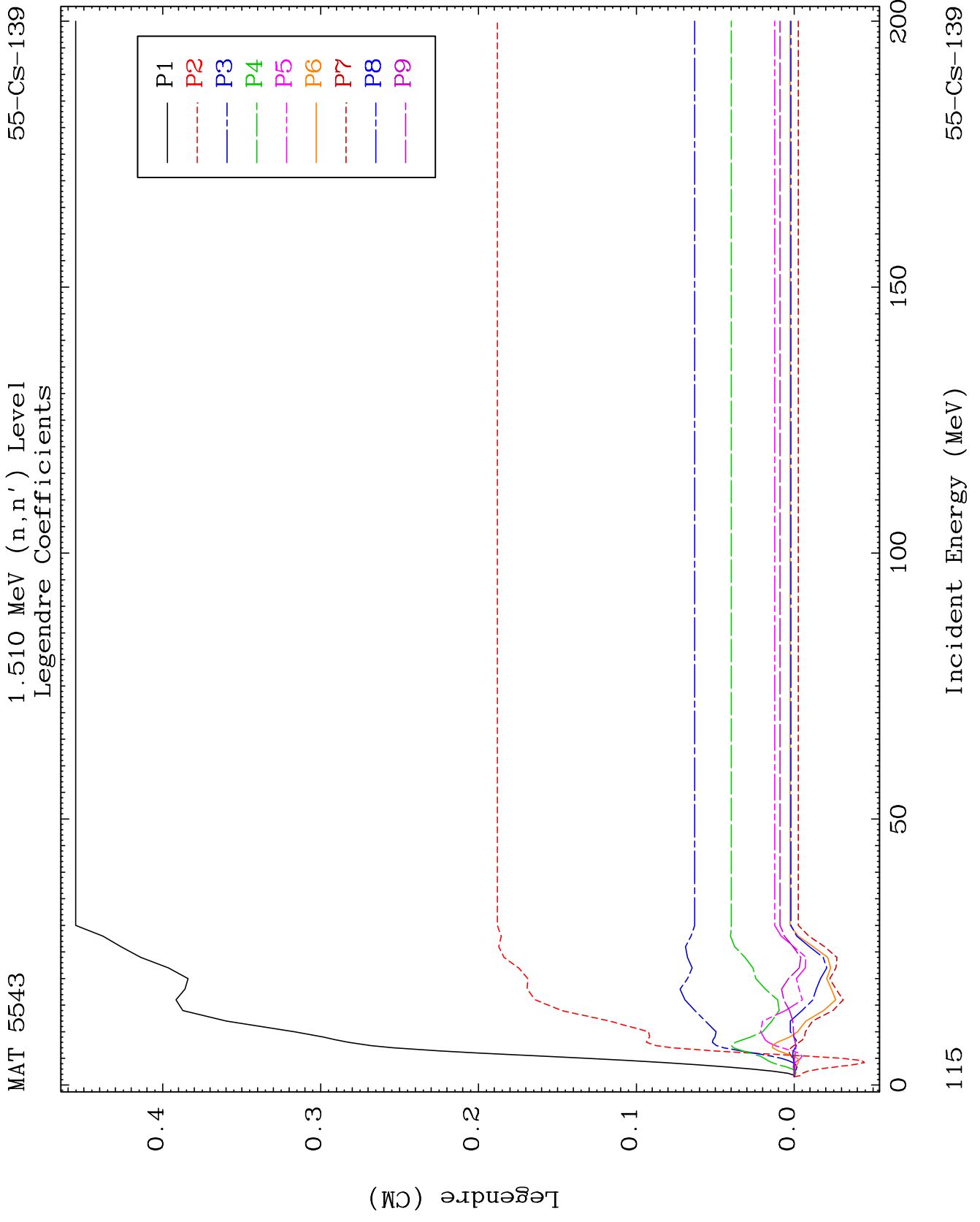


113

Incident Energy (MeV)

55-Cs-139

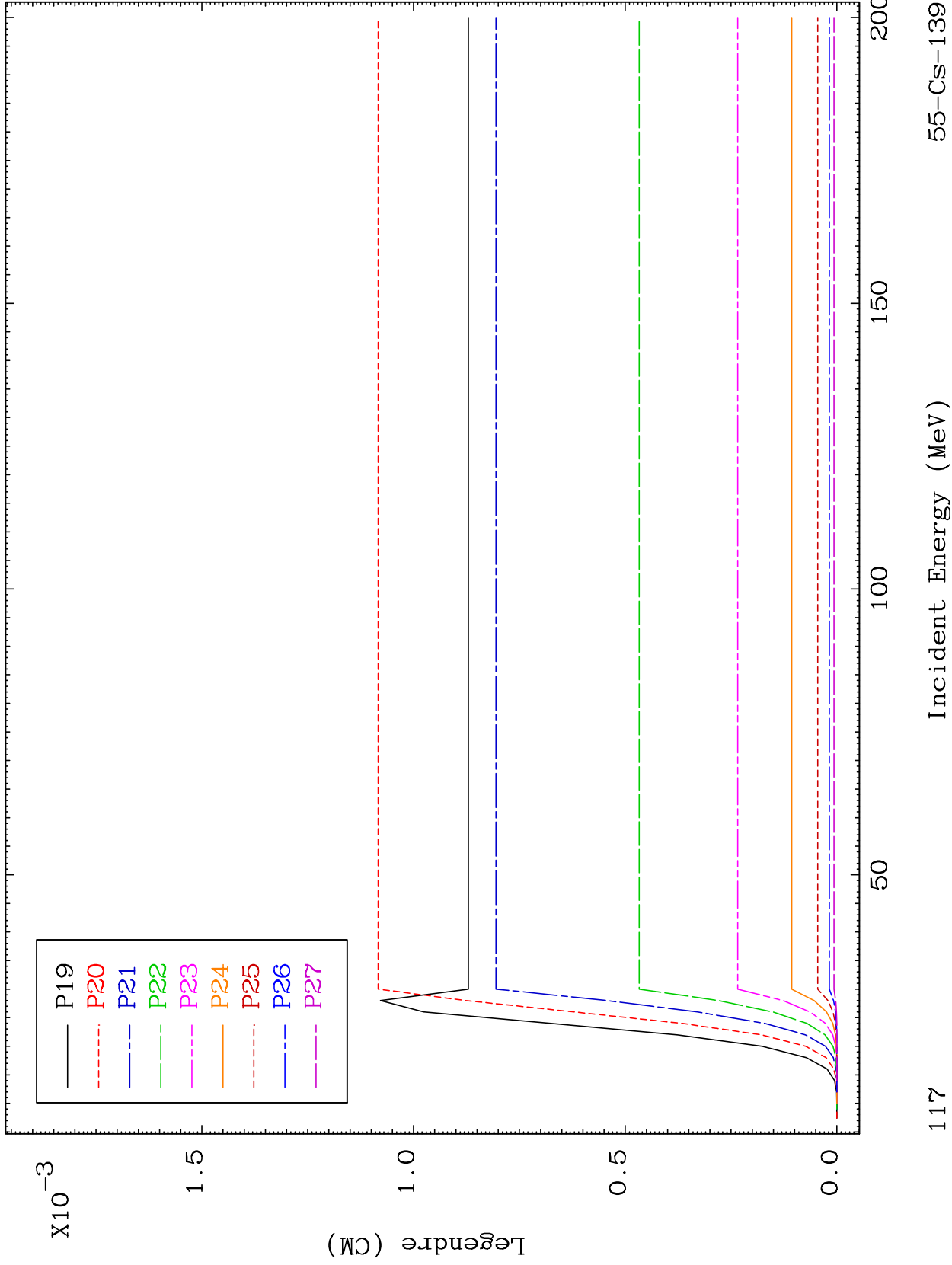




MAT 5543

1.510 MeV (n,n') Level
Legendre Coefficients

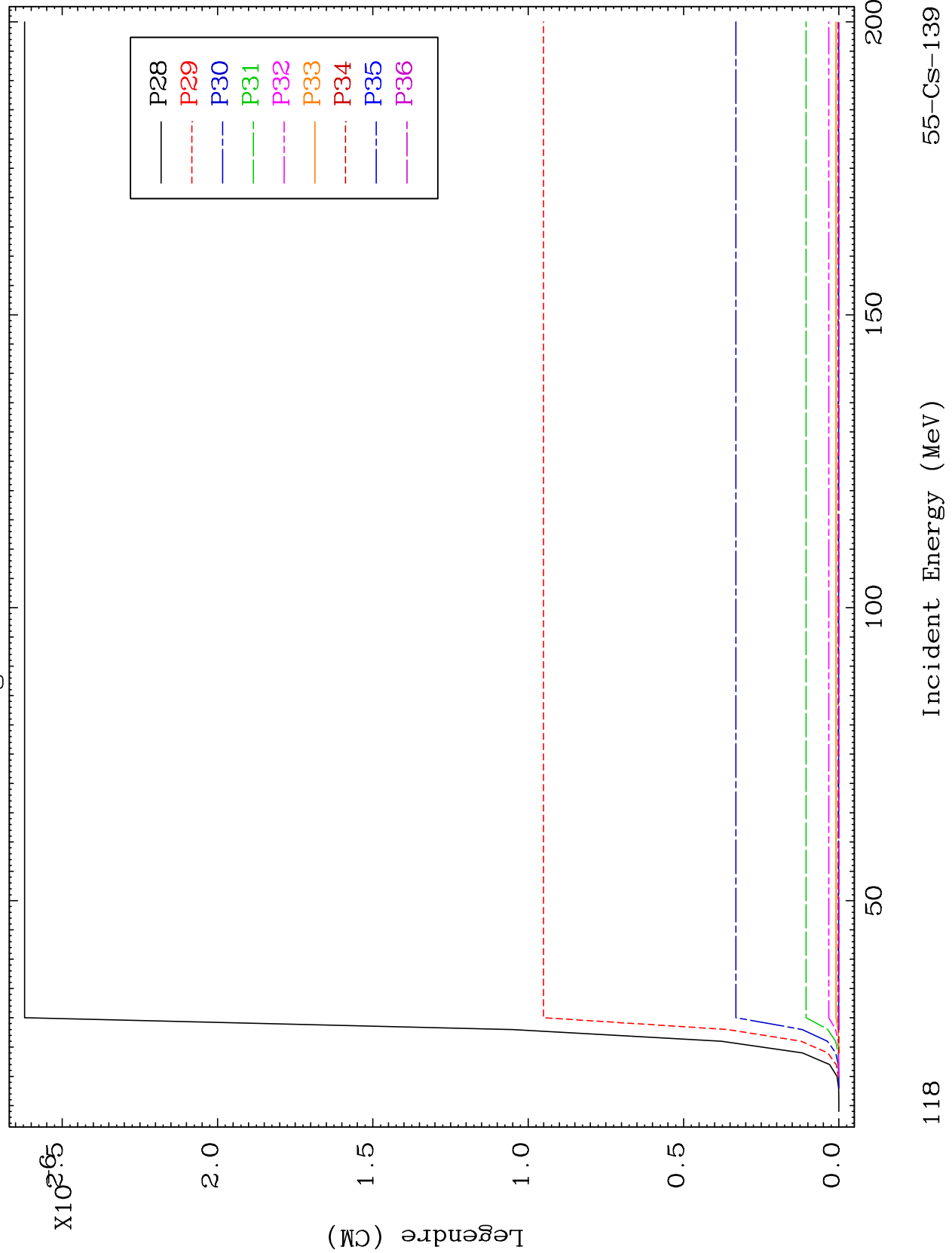
55-Cs-139



MAT 5543

1.510 MeV (n,n') Level
Legendre Coefficients

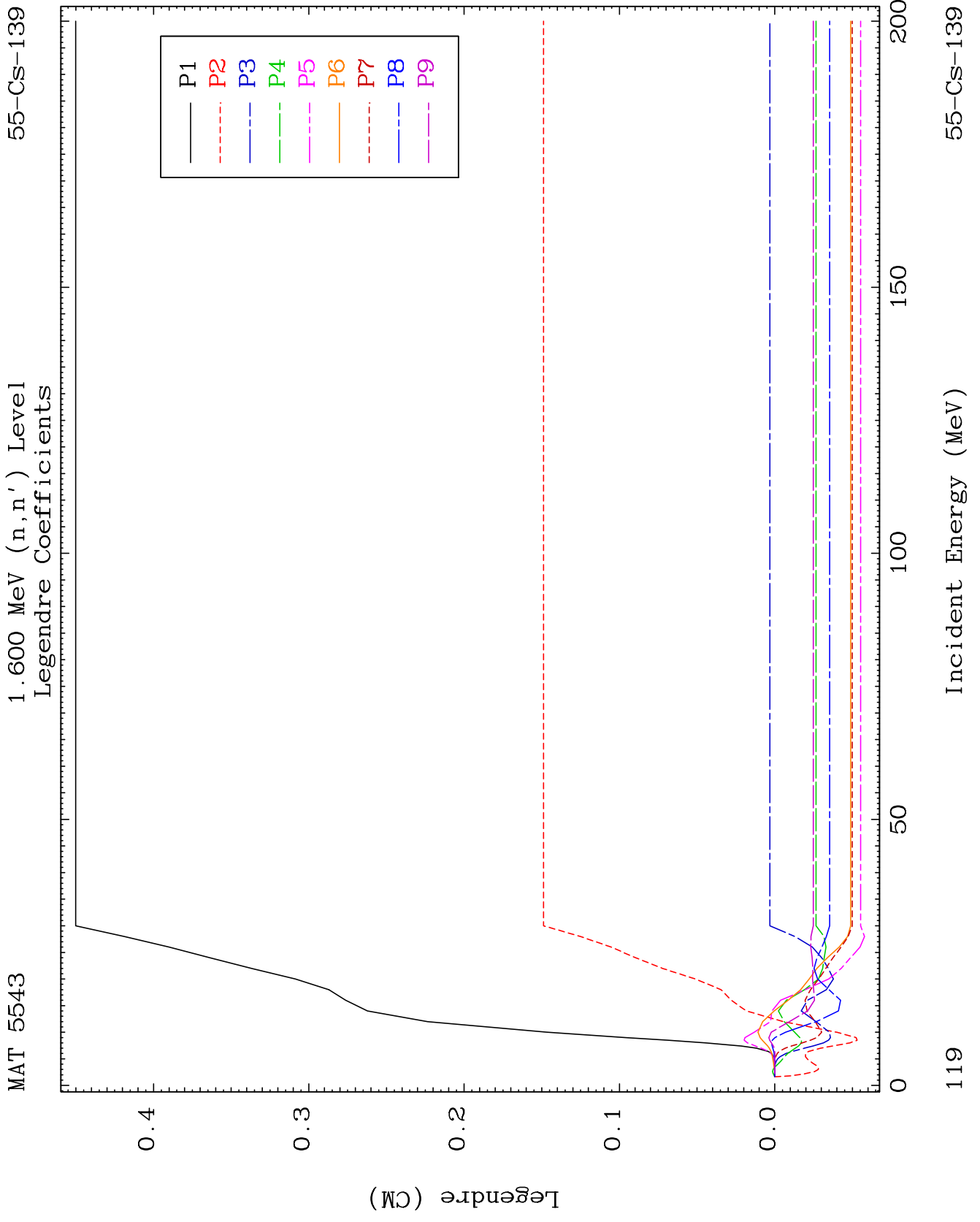
55-Cs-139



55-Cs-139

Incident Energy (MeV)

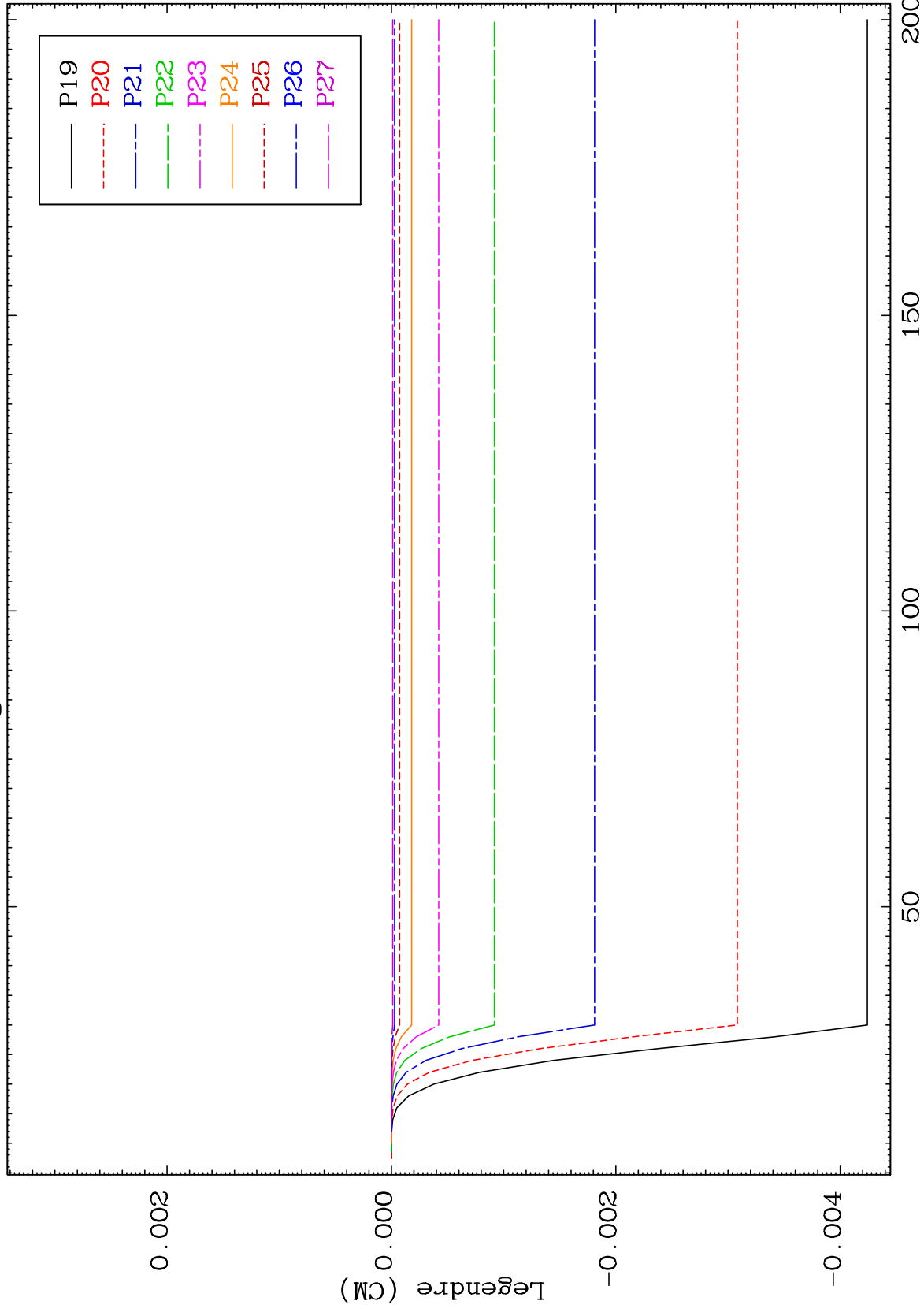
118



MAT 5543

1.600 MeV (n,n') Level
Legendre Coefficients

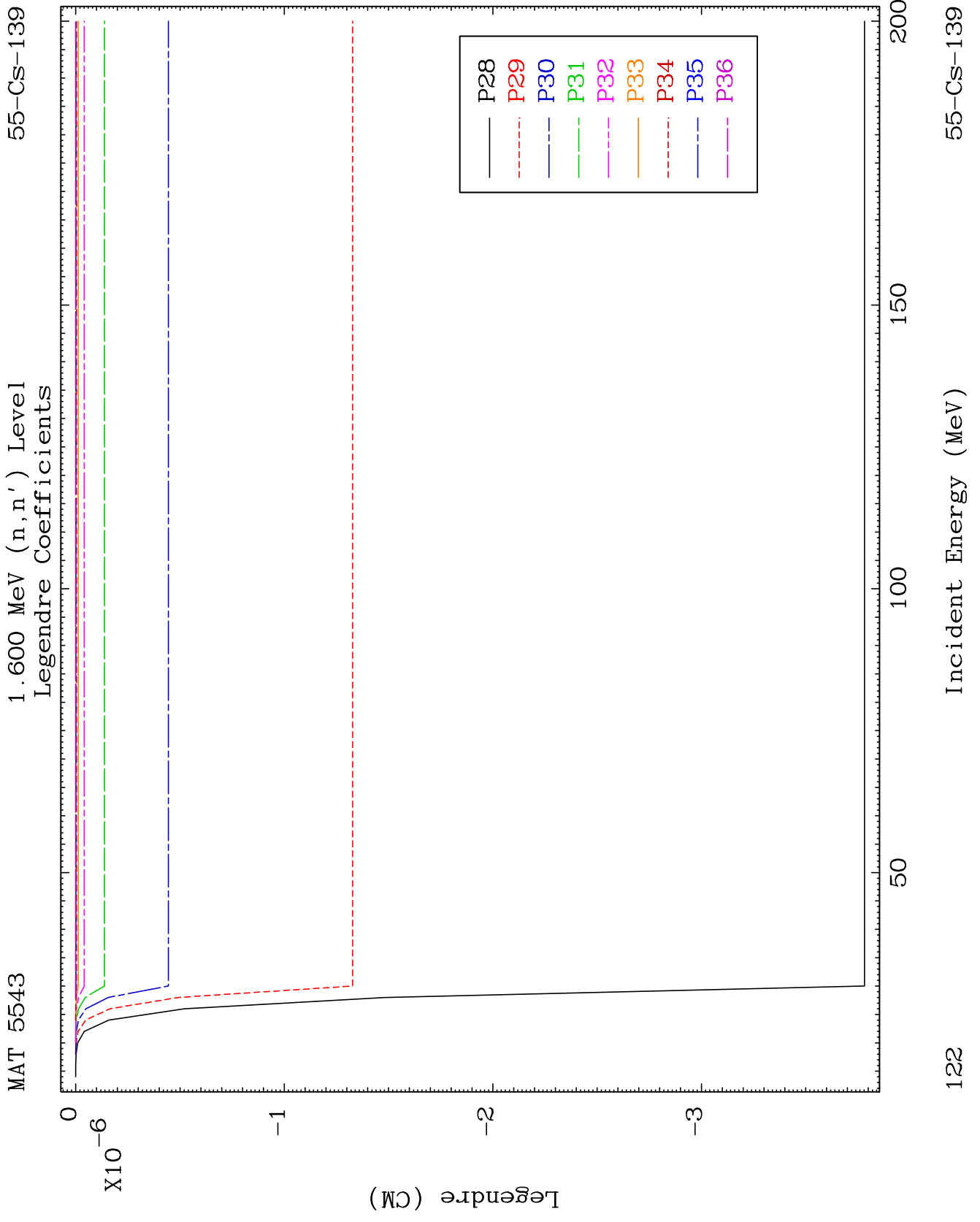
55-Cs-139

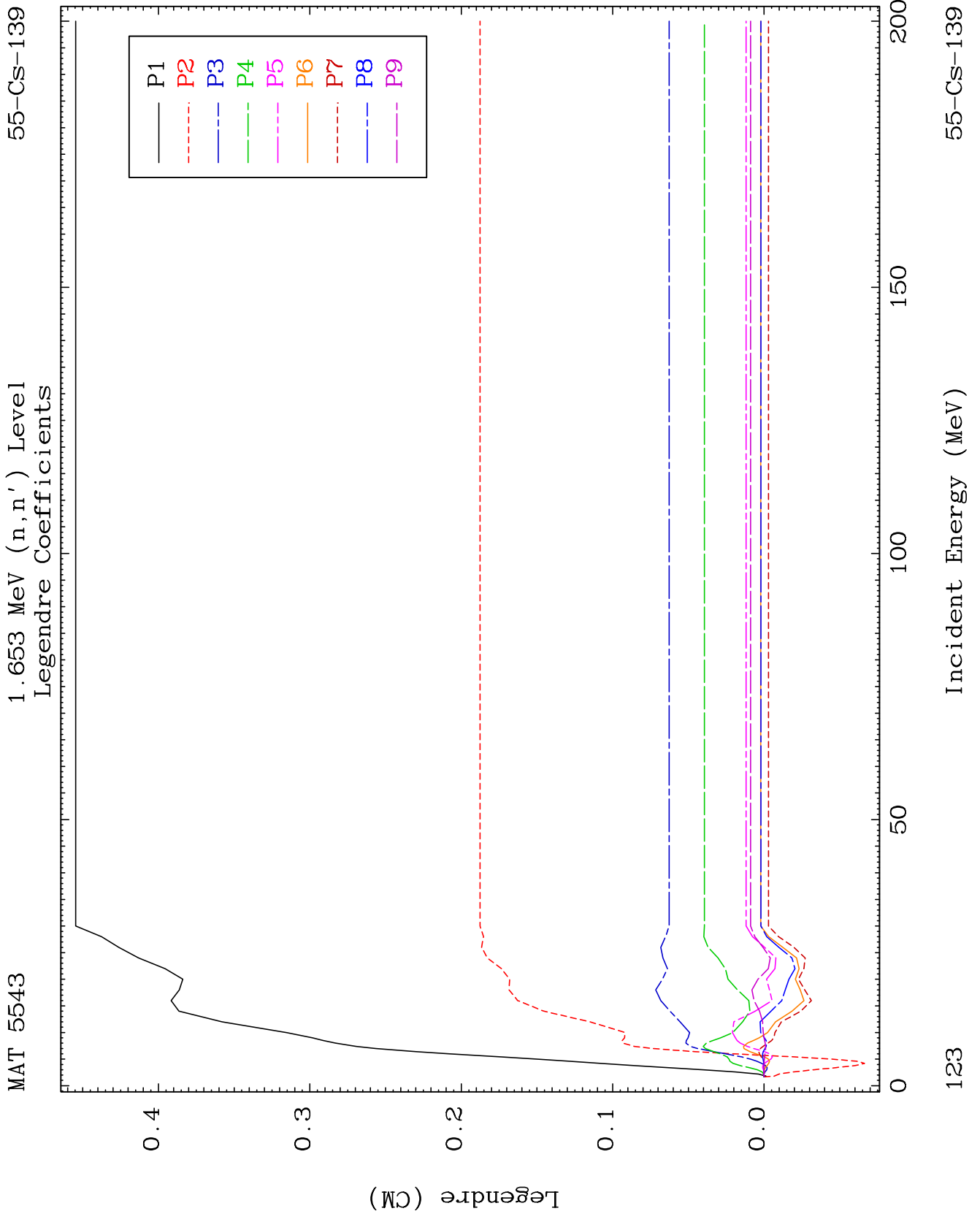


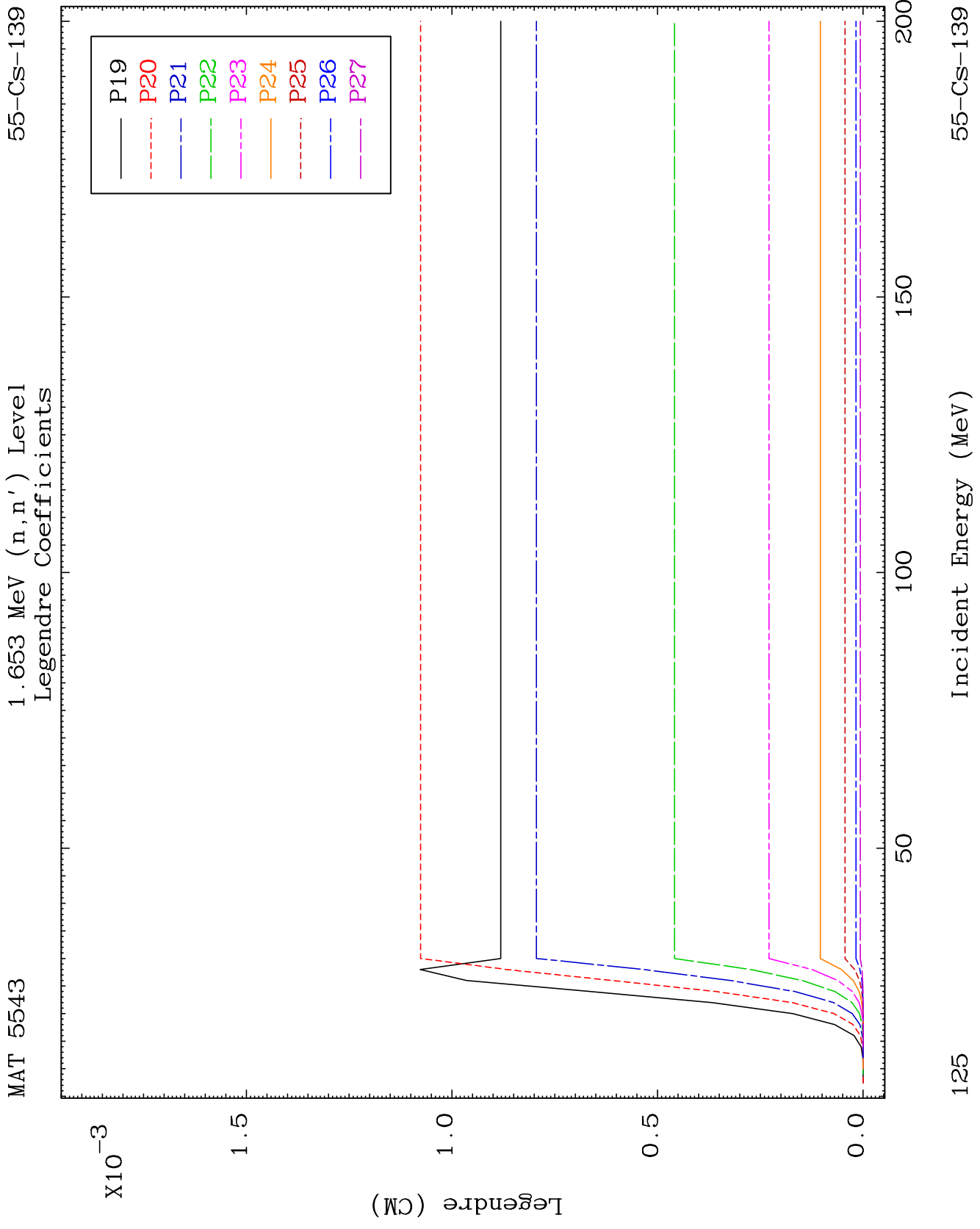
121

Incident Energy (MeV)

55-Cs-139



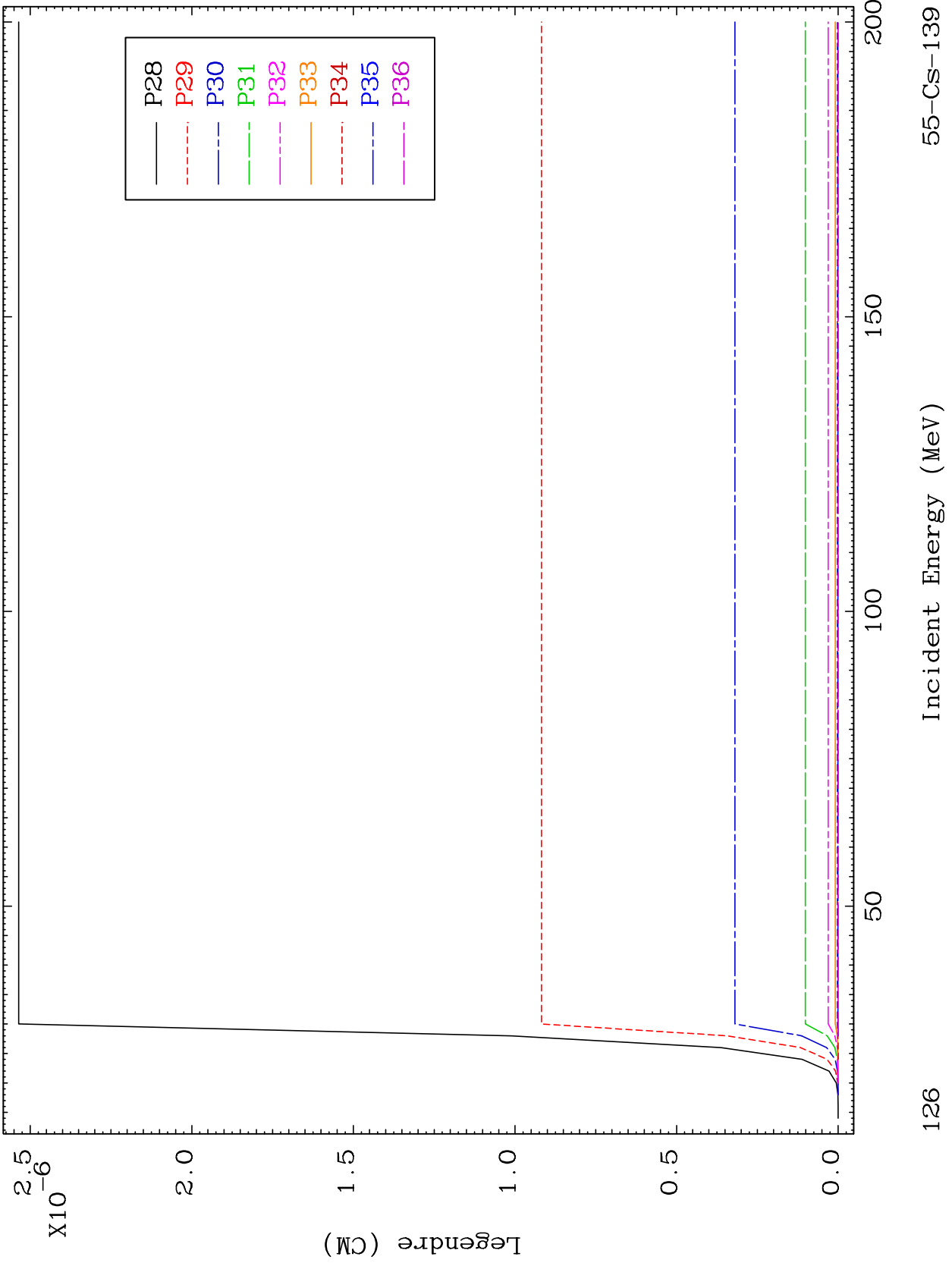




MAT 5543

1.653 MeV (n,n') Level
Legendre Coefficients

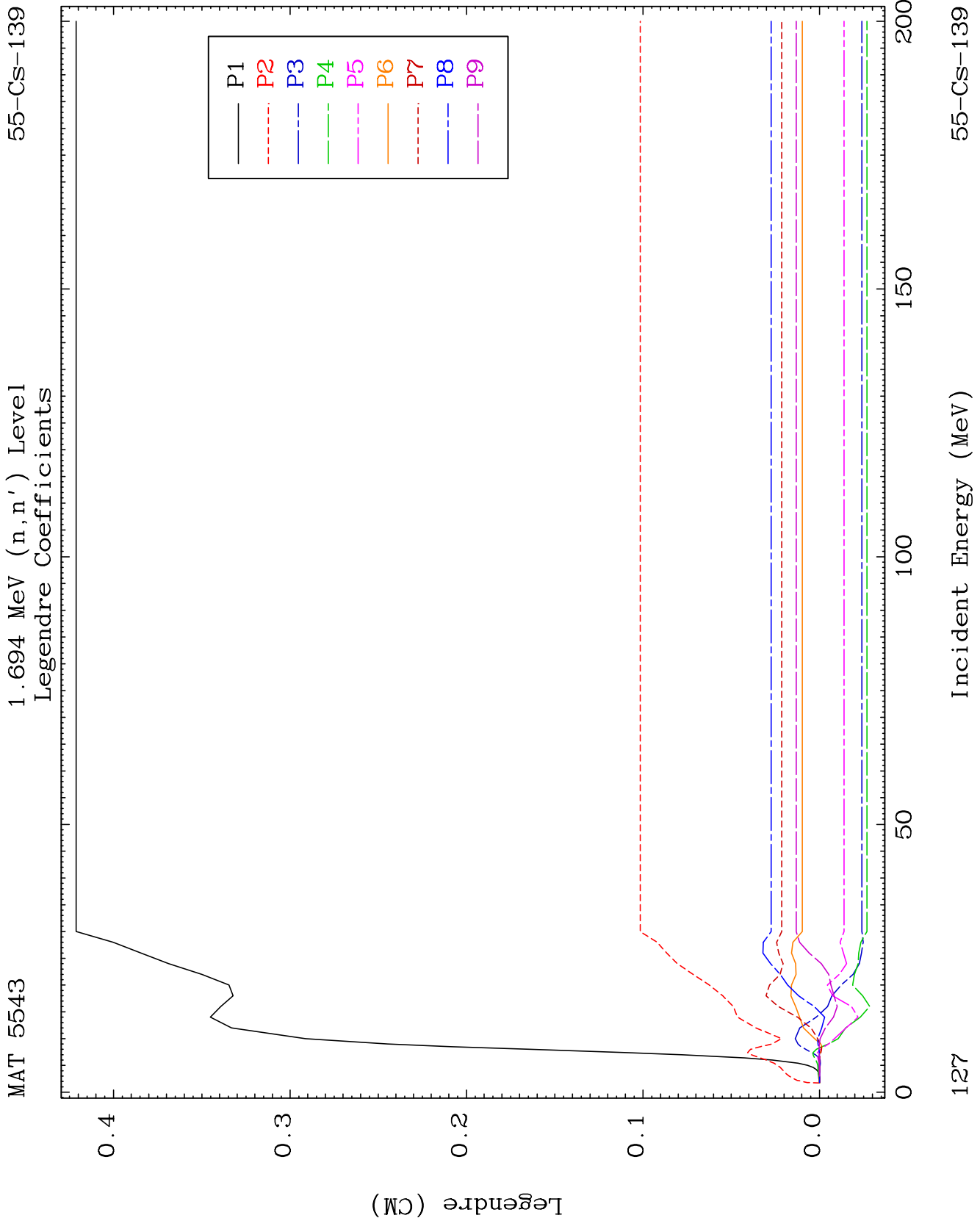
55-Cs-139



55-Cs-139

Incident Energy (MeV)

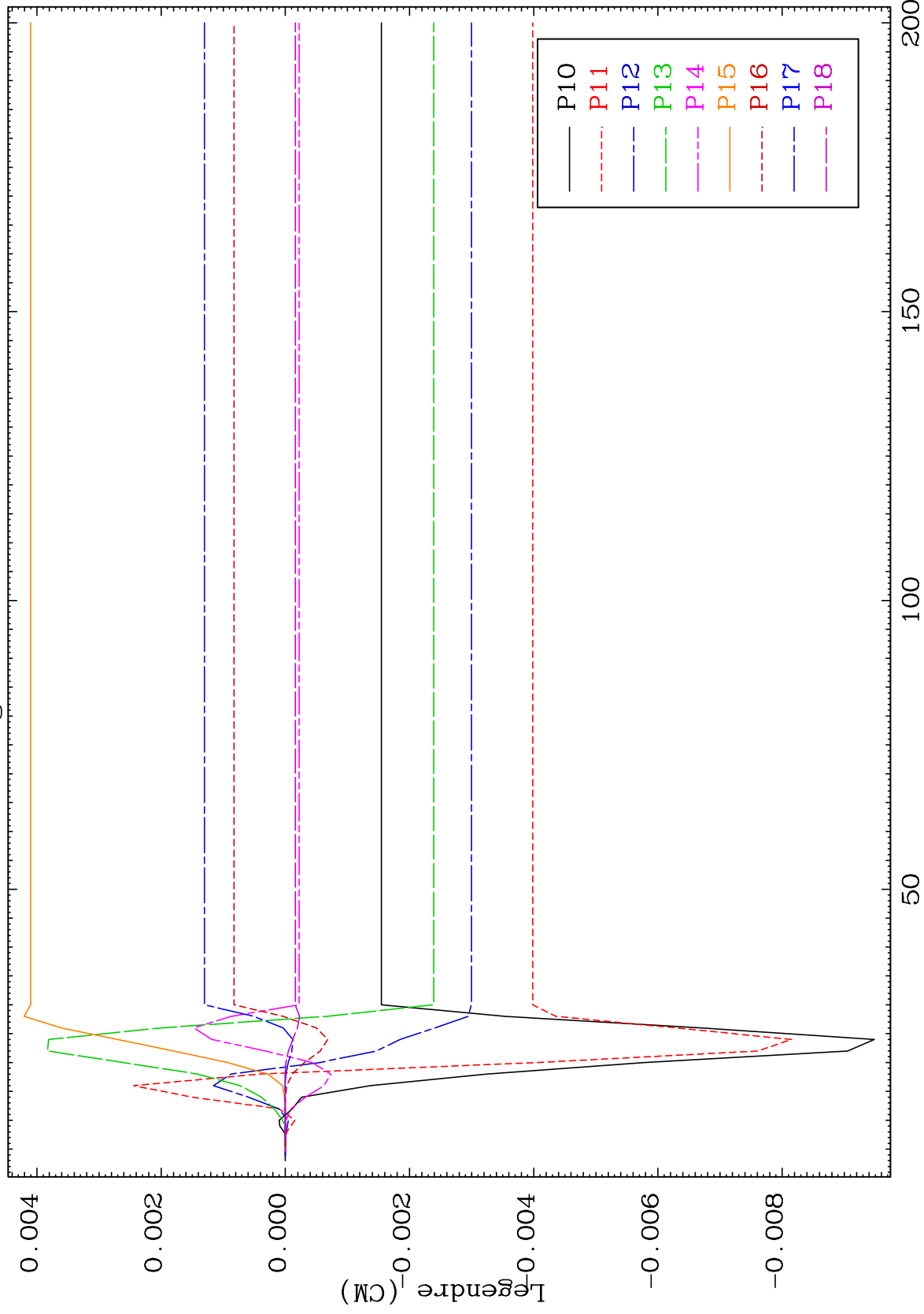
126



MAT 5543

1.694 MeV (n,n') Level
Legendre Coefficients

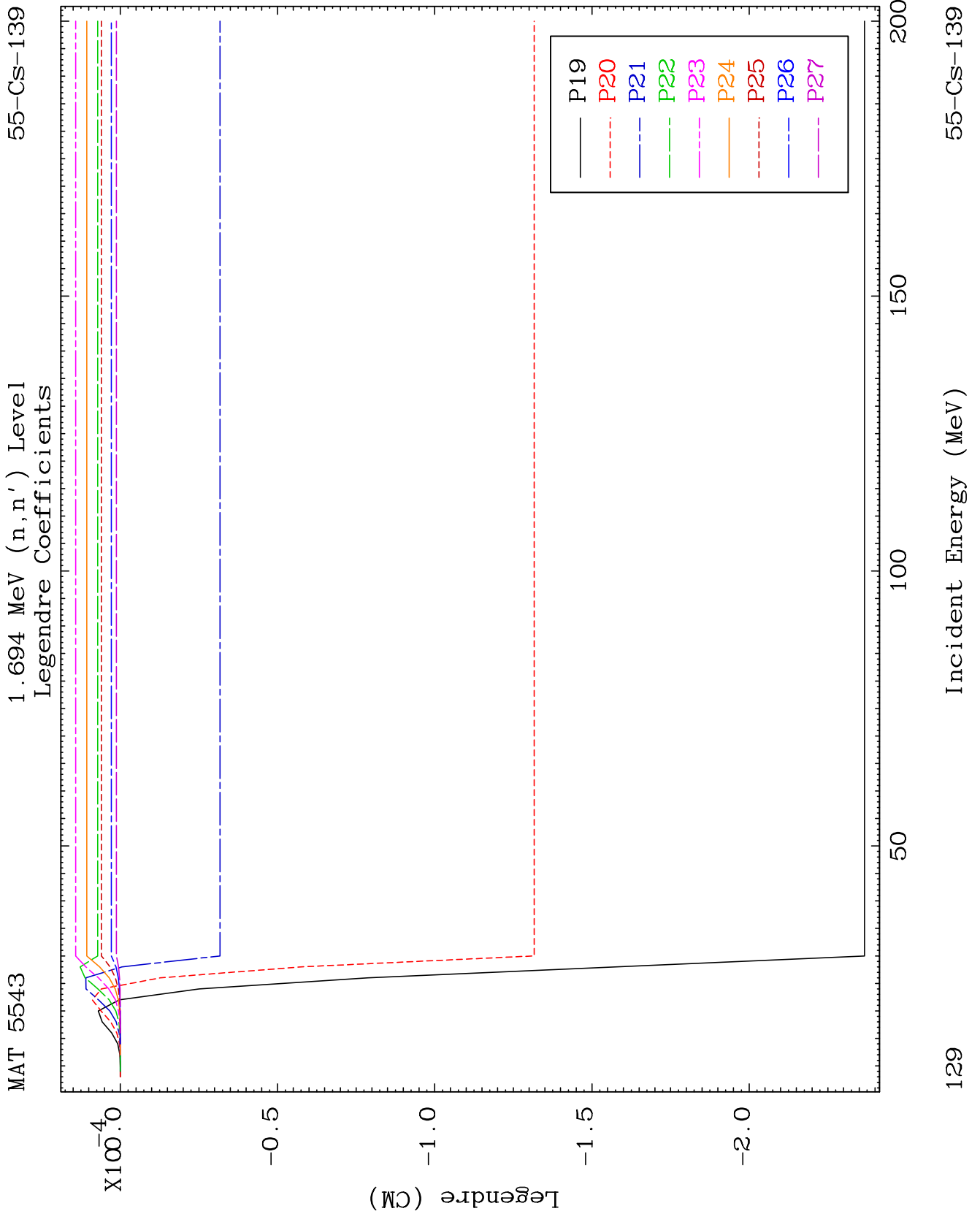
55-Cs-139



128

Incident Energy (MeV)

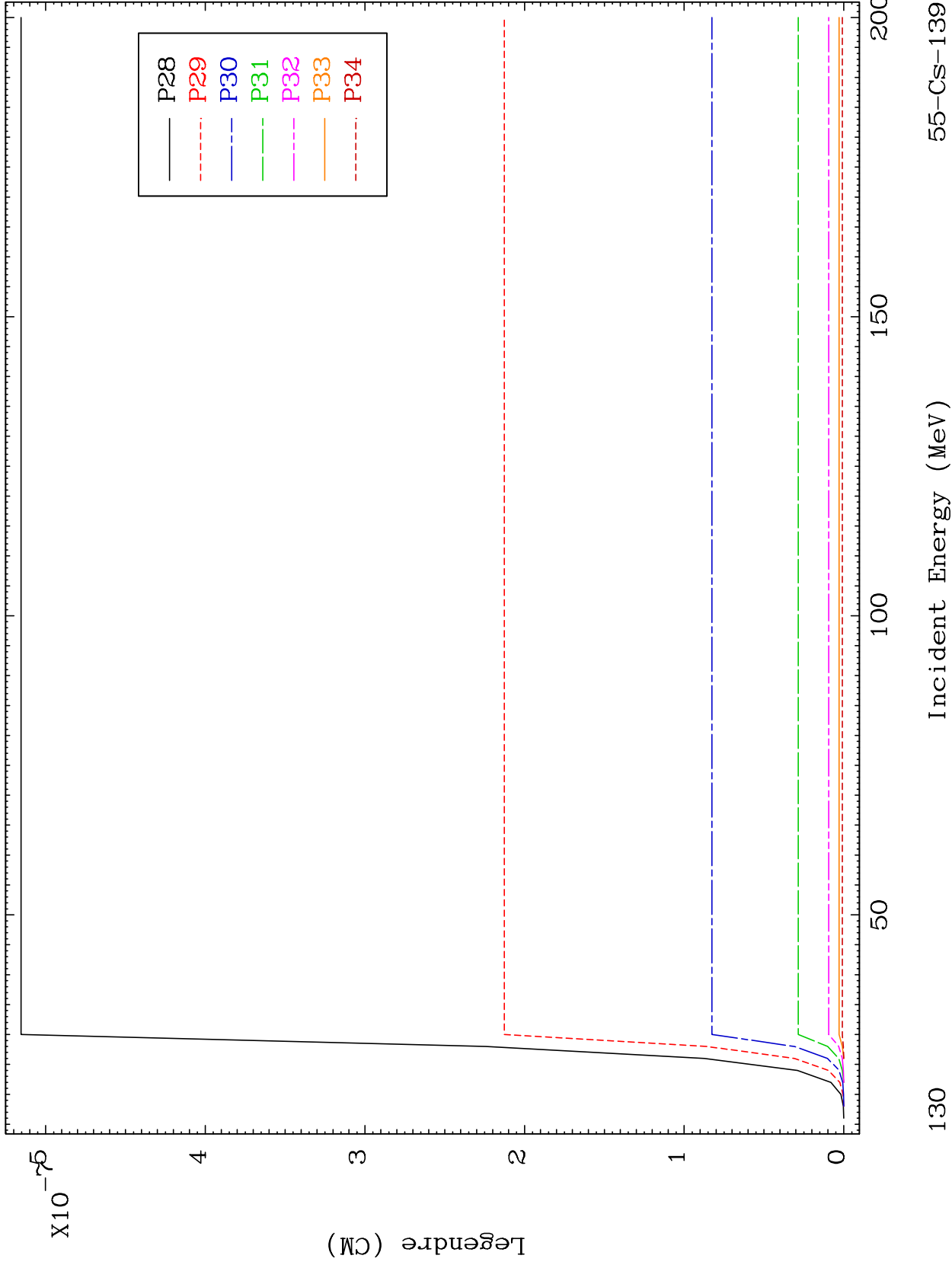
55-Cs-139

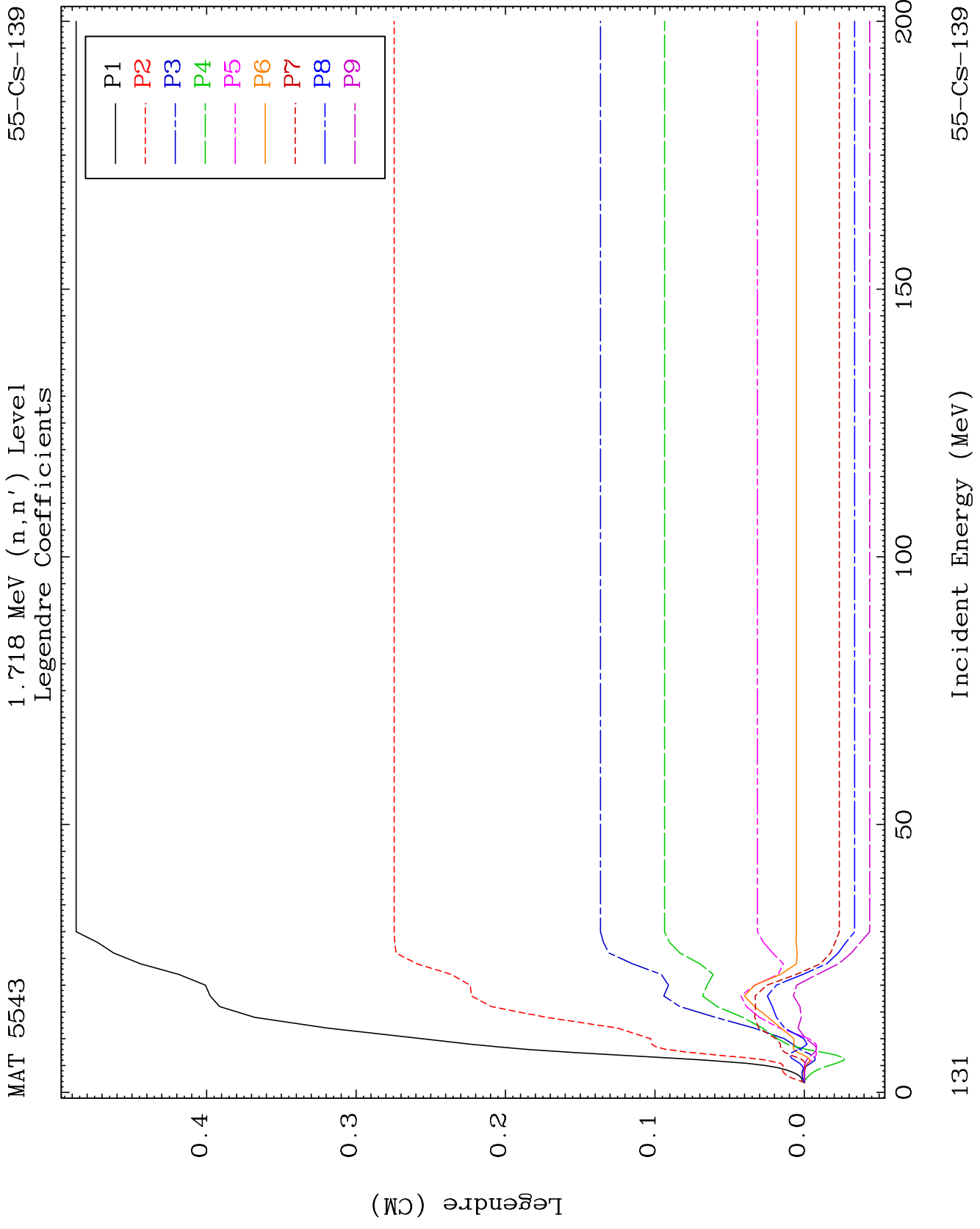


MAT 5543

1.694 MeV (n,n') Level
Legendre Coefficients

55-Cs-139

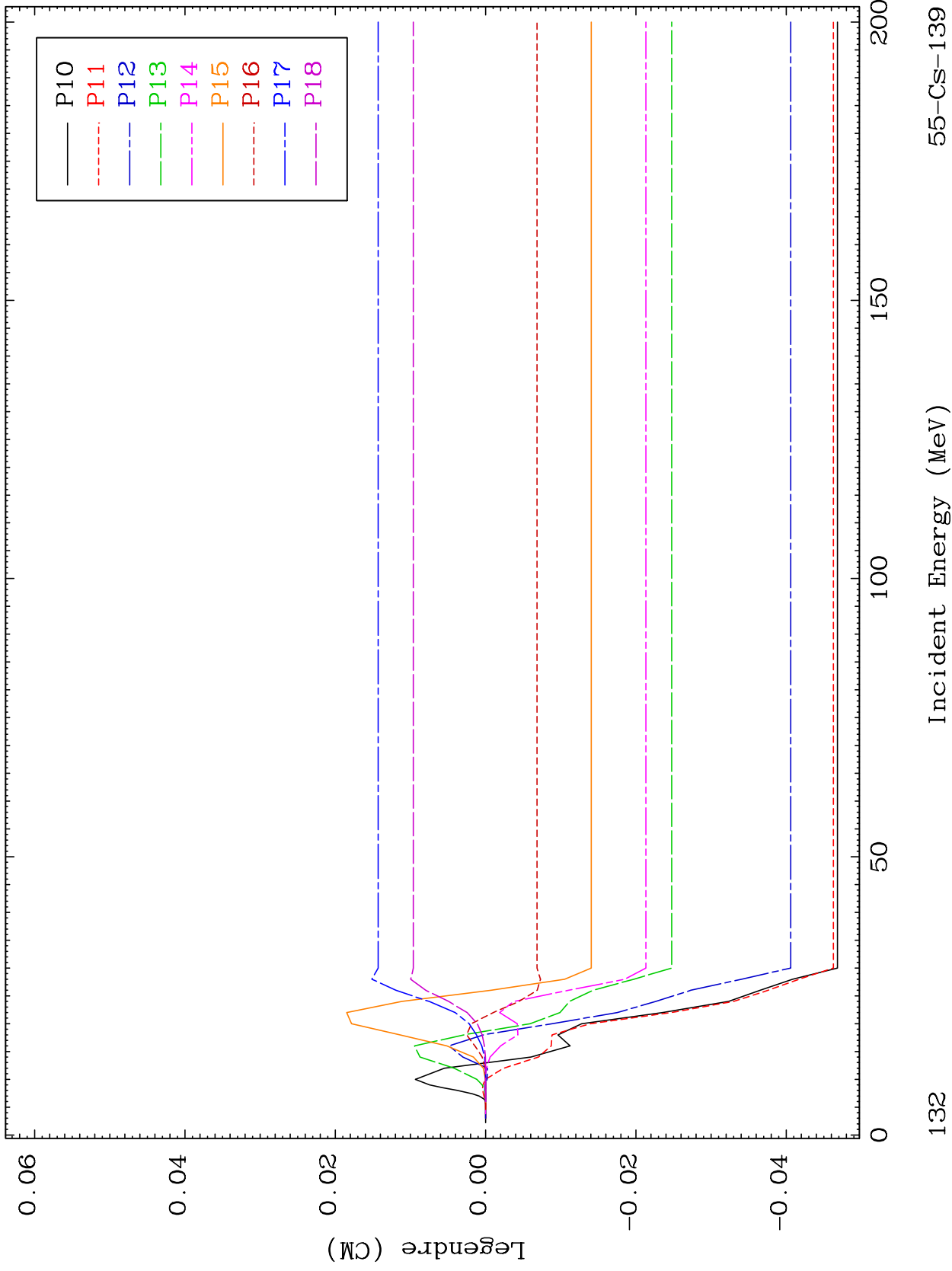




MAT 5543

1.718 MeV (n,n') Level
Legendre Coefficients

55-Cs-139

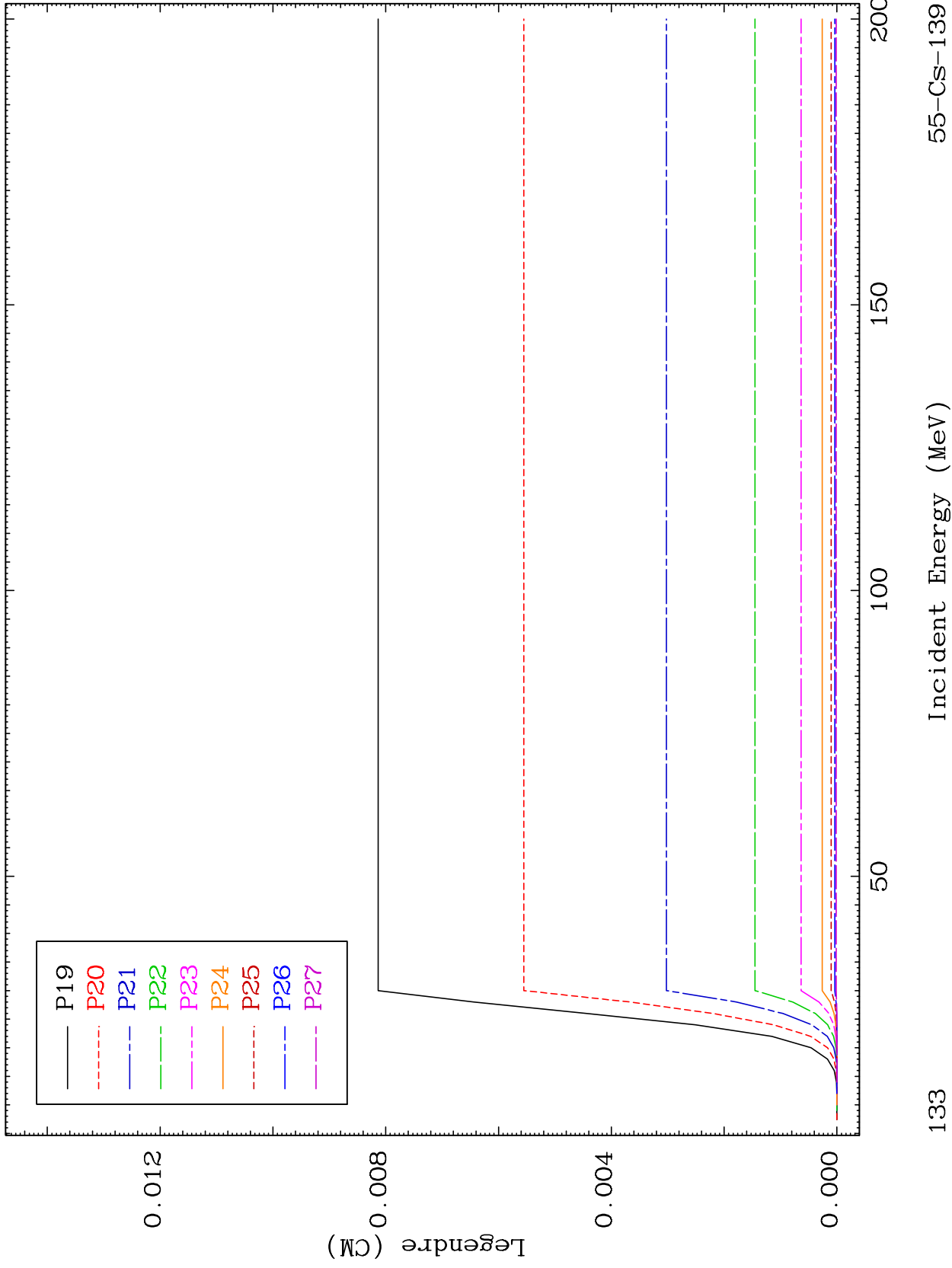


132

MAT 5543

1.718 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



133

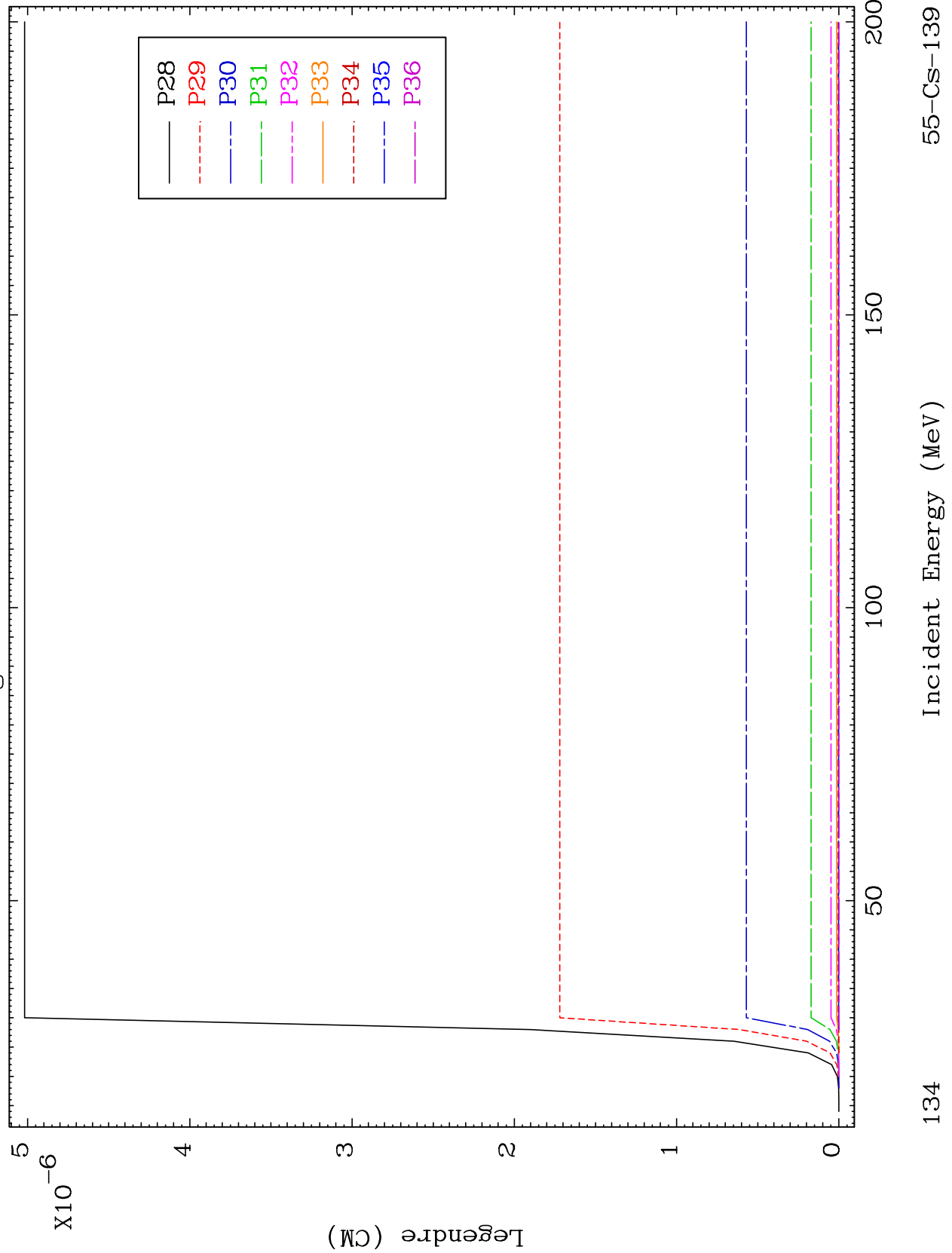
Incident Energy (MeV)

55-Cs-139

MAT 5543

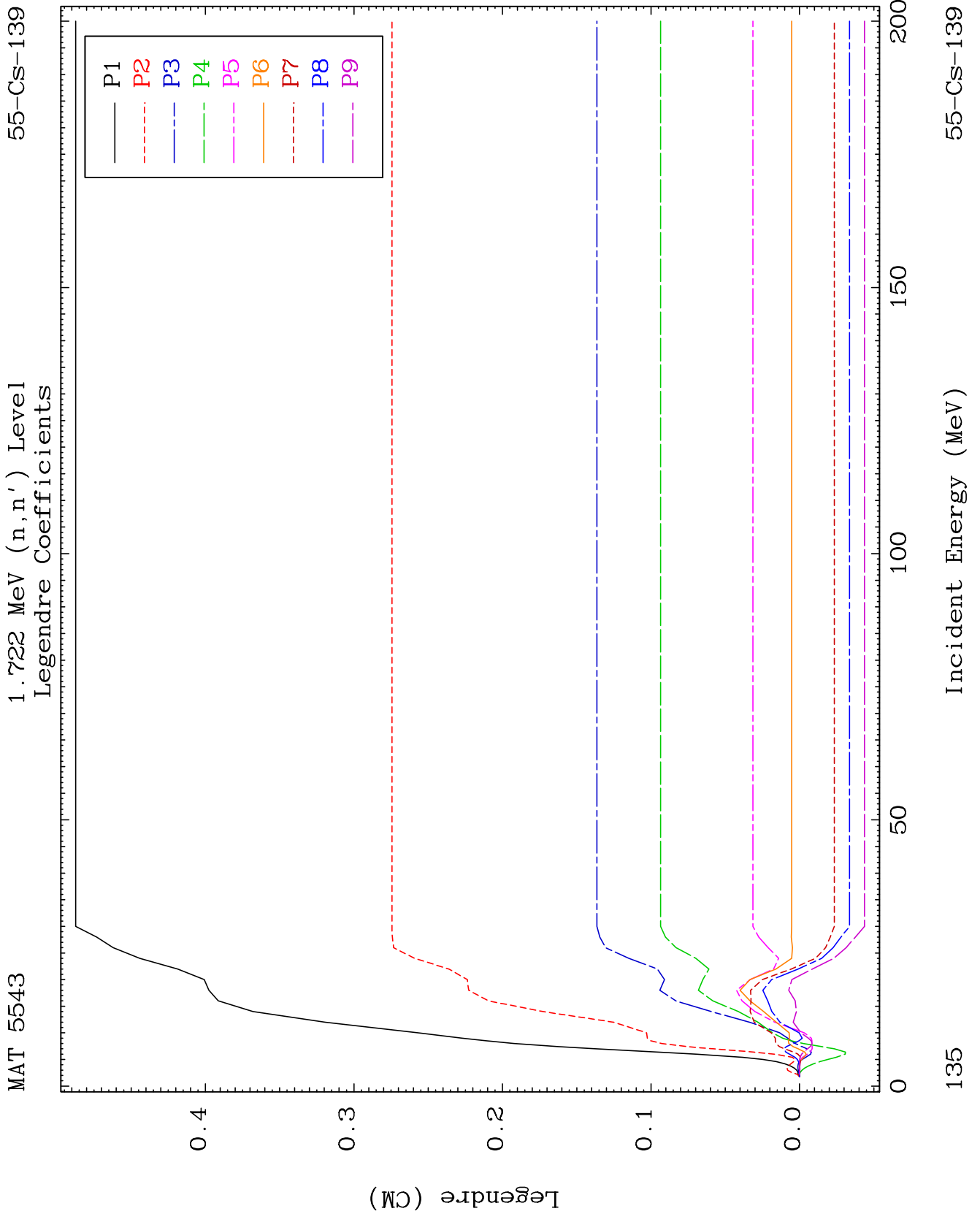
1.718 MeV (n, n') Level
Legendre Coefficients

55-Cs-139



134

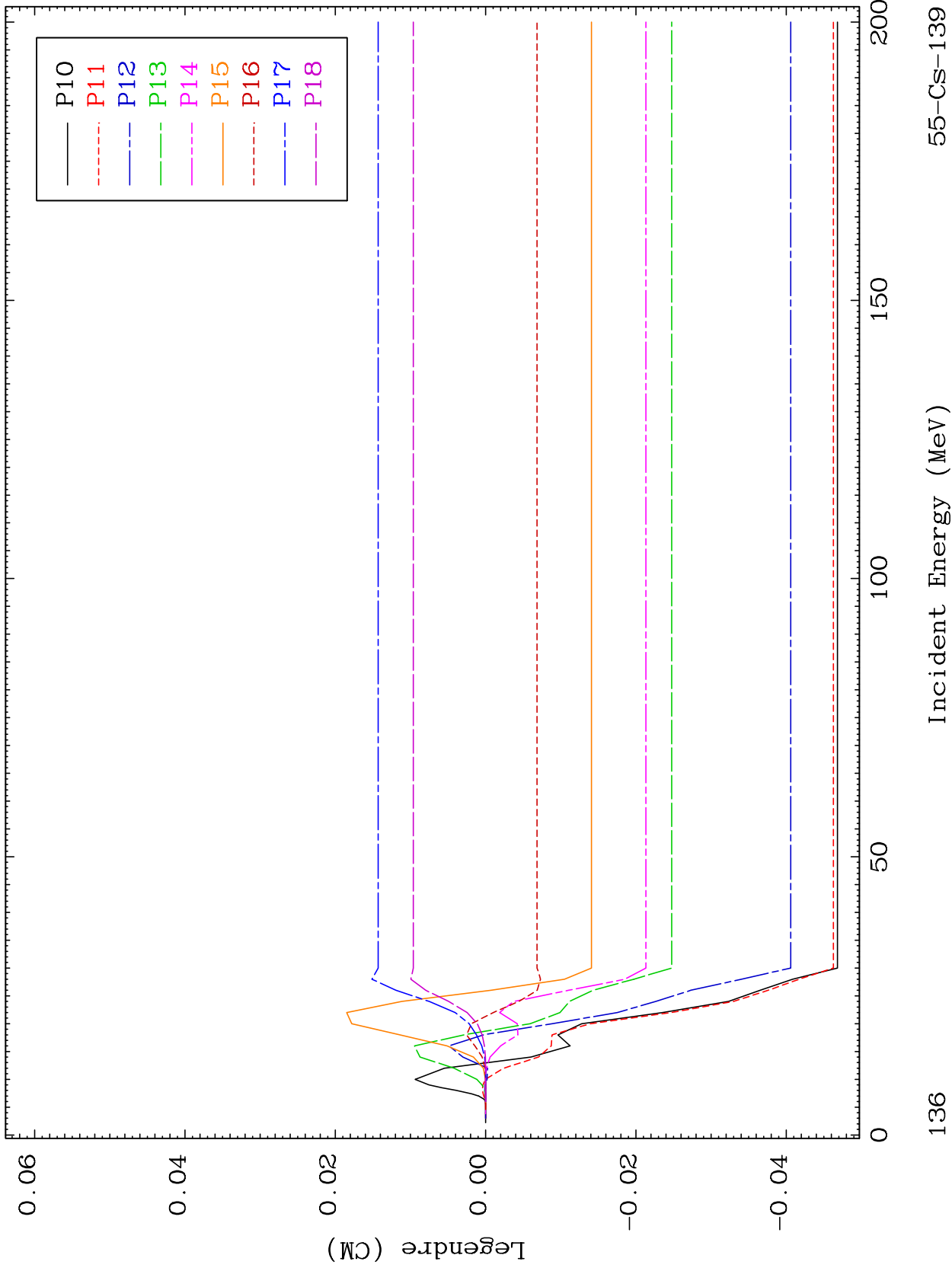
55-Cs-139



MAT 5543

1.722 MeV (n,n') Level
Legendre Coefficients

55-Cs-139



136

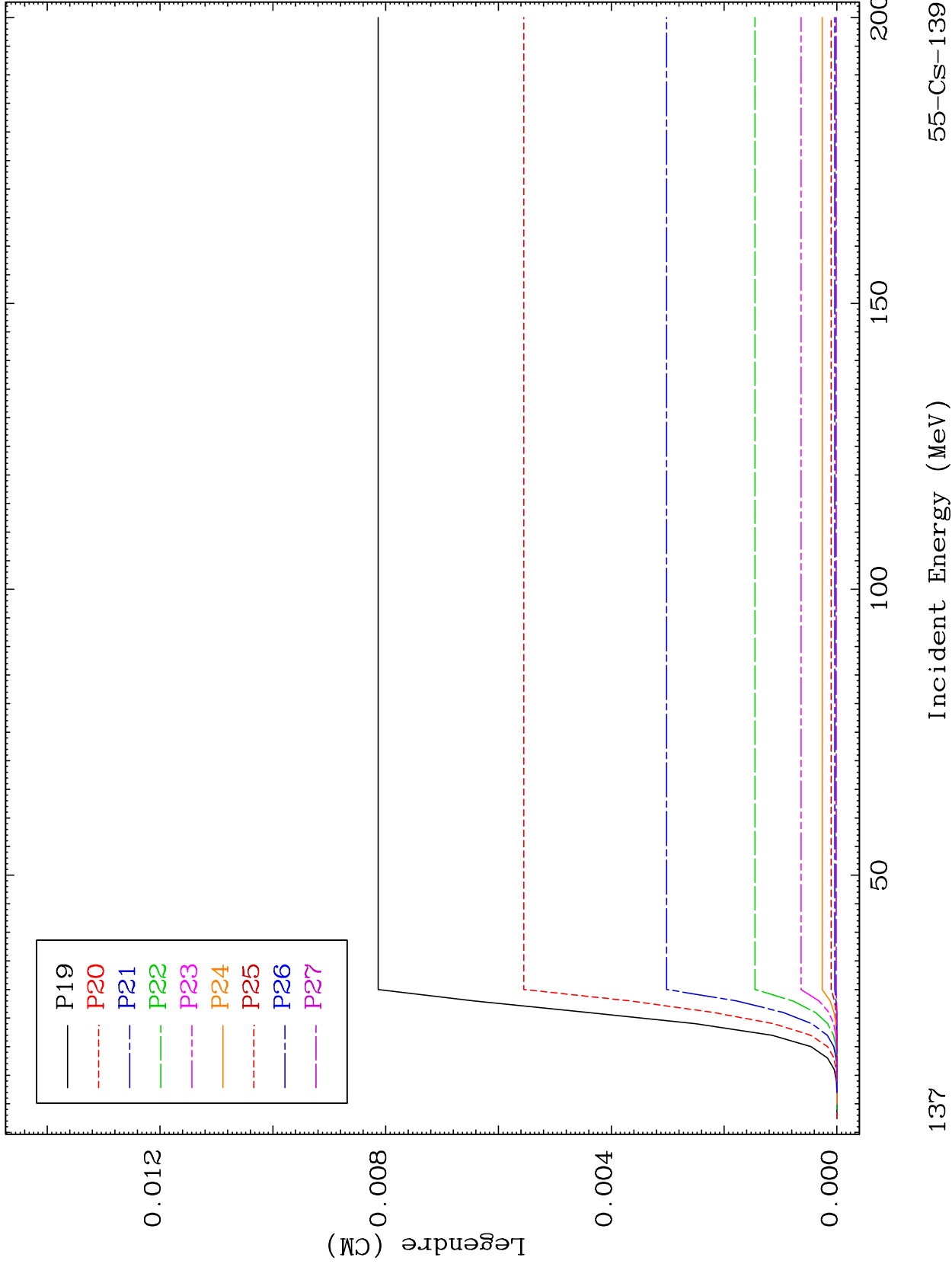
Incident Energy (MeV)

55-Cs-139

MAT 5543

1.722 MeV (n,n') Level
Legendre Coefficients

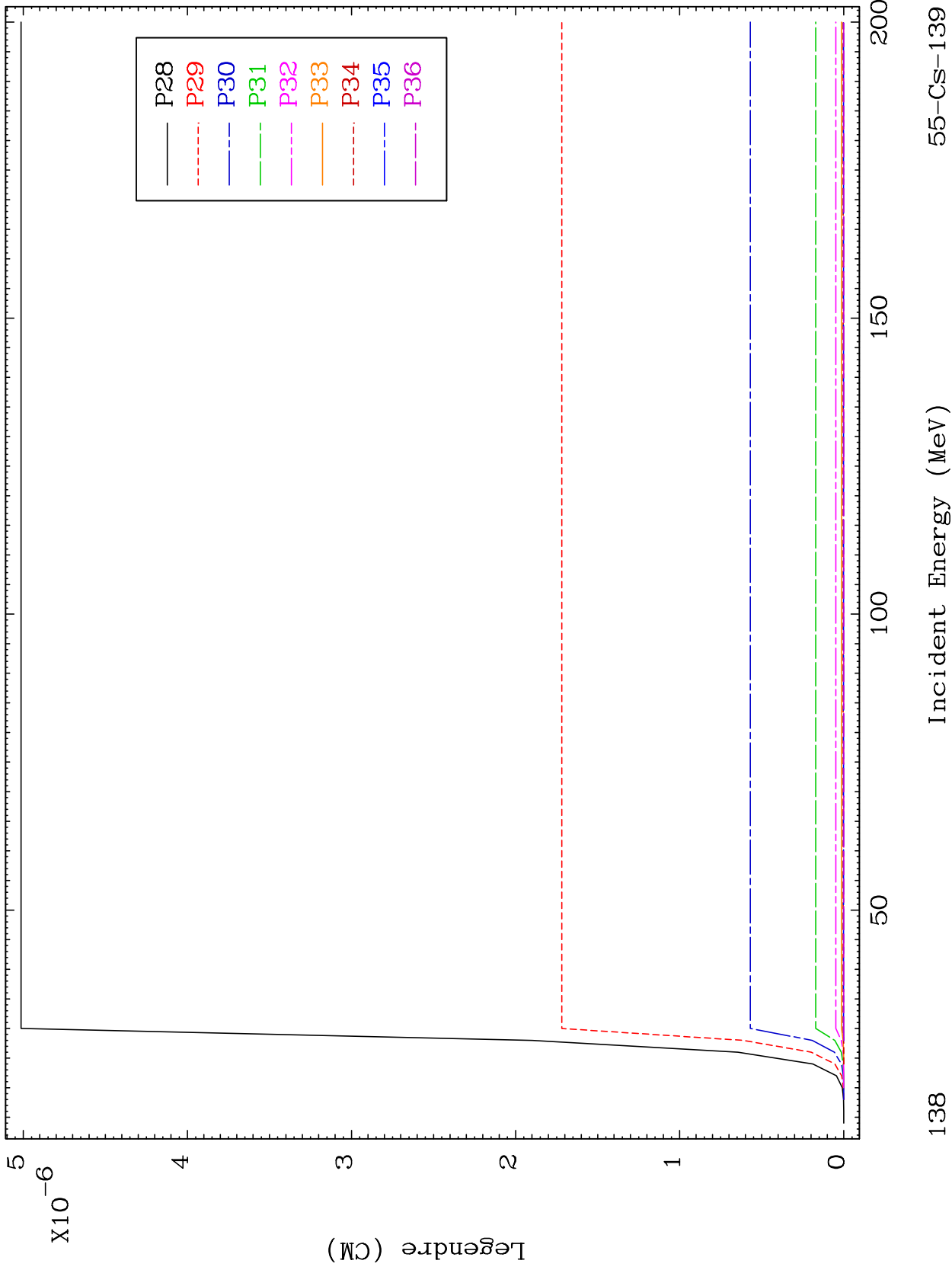
55-Cs-139



MAT 5543

1.722 MeV (n, n') Level
Legendre Coefficients

55-Cs-139

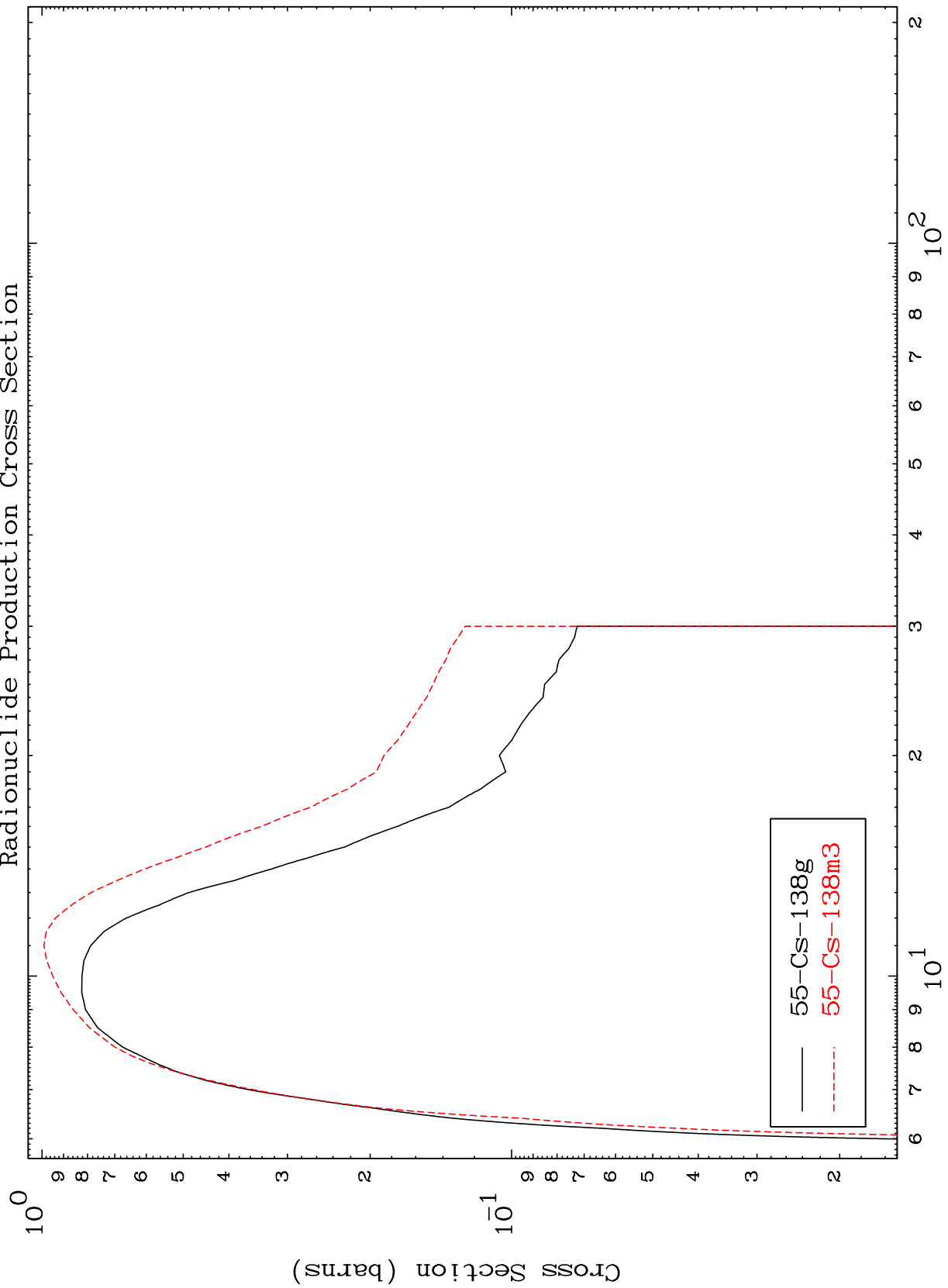


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MAT 5543

55-Cs-139

(n,2n)
Radionuclide Production Cross Section



139

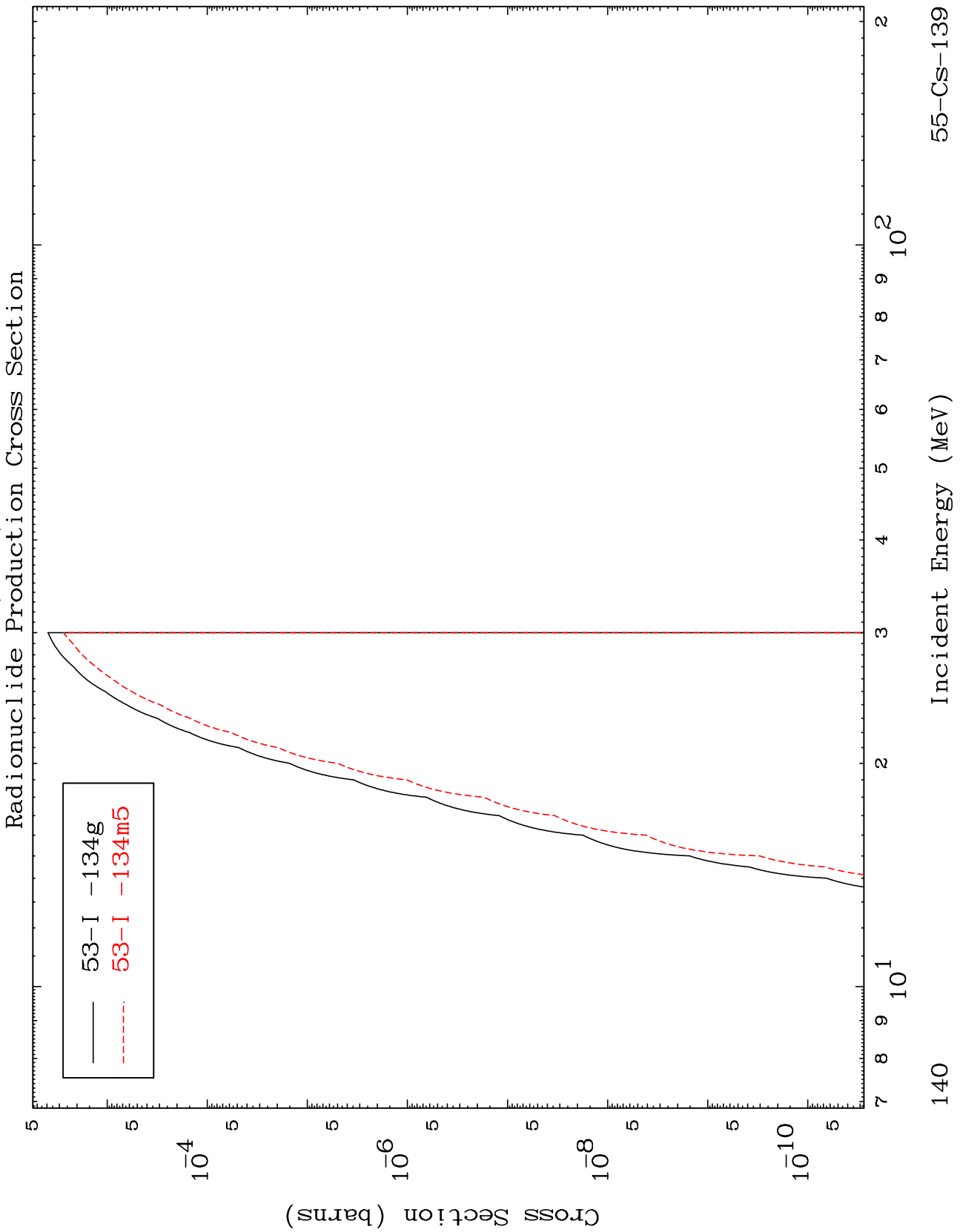
Incident Energy (MeV)

55-Cs-139

MAT 5543

(n,2n) α

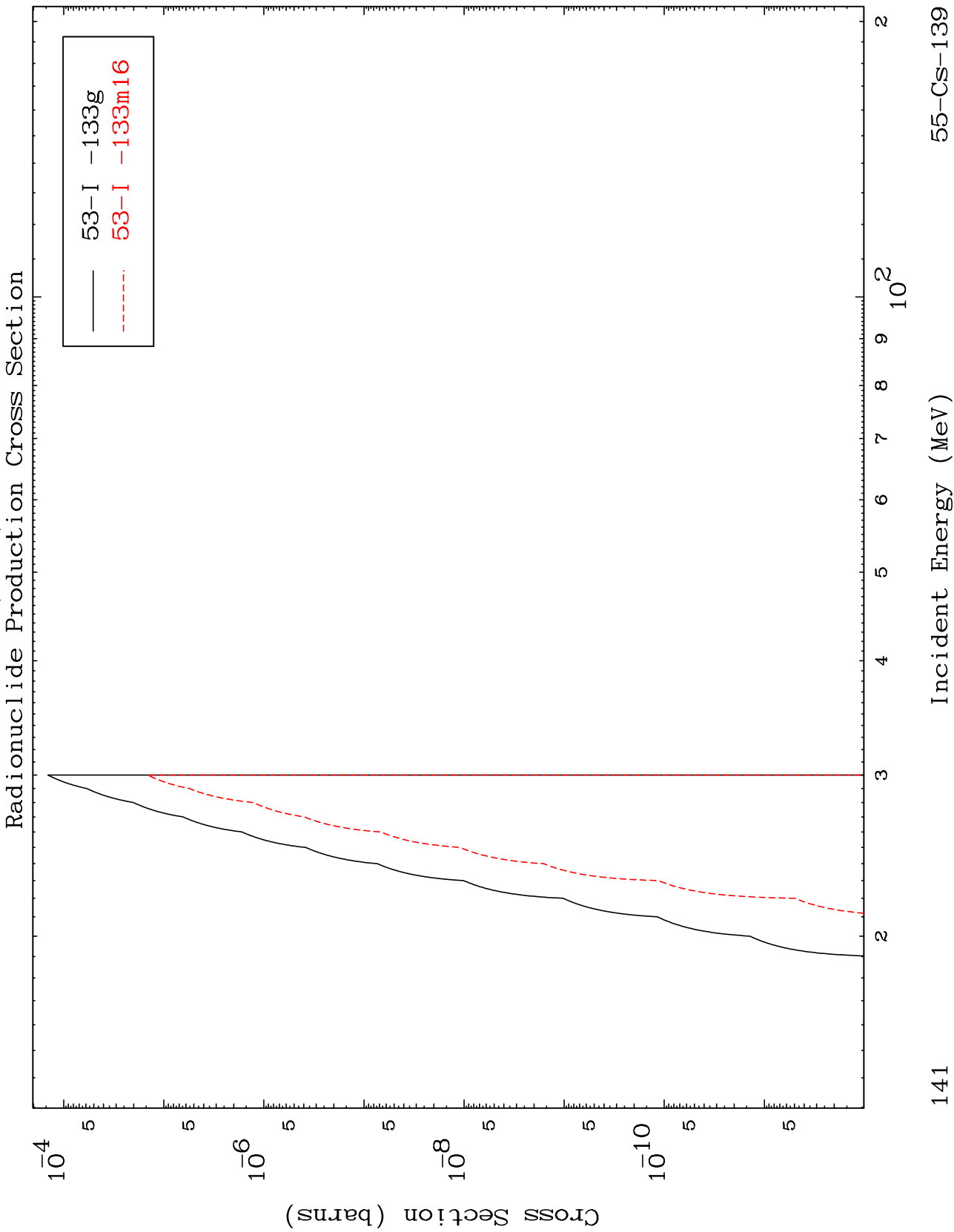
55-Cs-139



MAT 5543

(n,3n) α

55-Cs-139



141

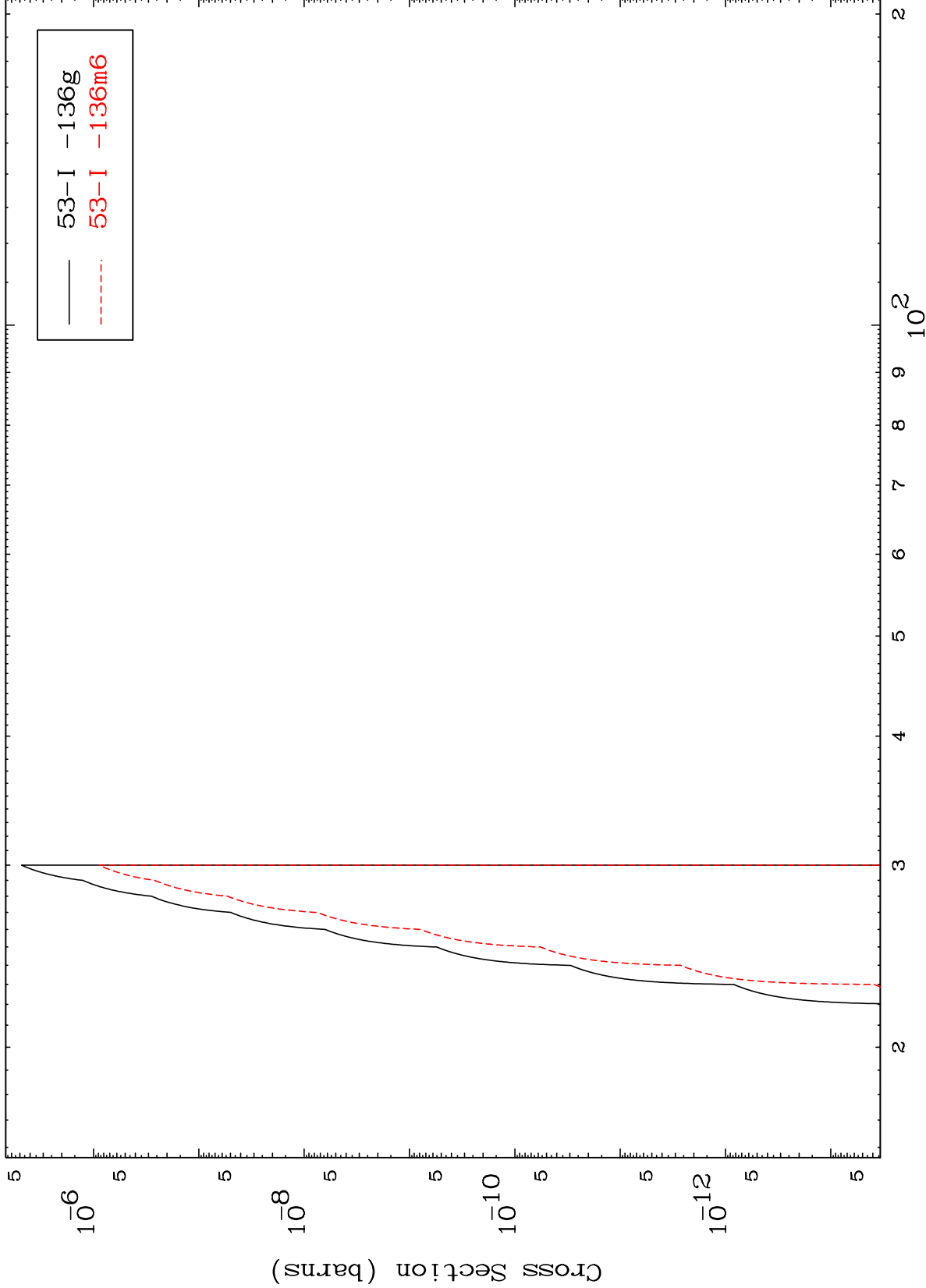
55-Cs-139

MAT 5543

(n,n') He-3

55-Cs-139

Radionuclide Production Cross Section



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

142

Incident Energy (MeV)

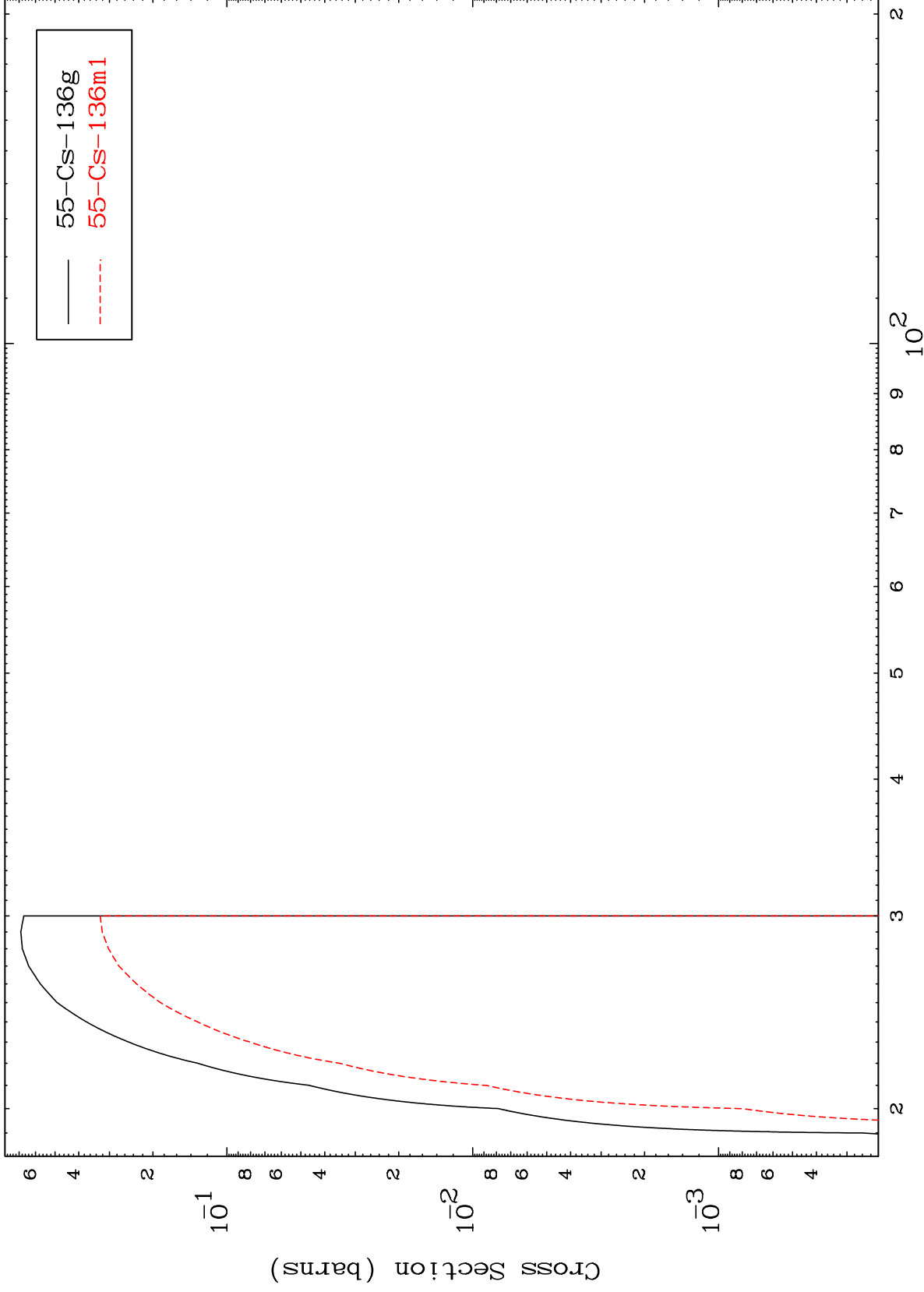
55-Cs-139

MAT 5543

(n,4n)

55-Cs-139

Radionuclide Production Cross Section



143

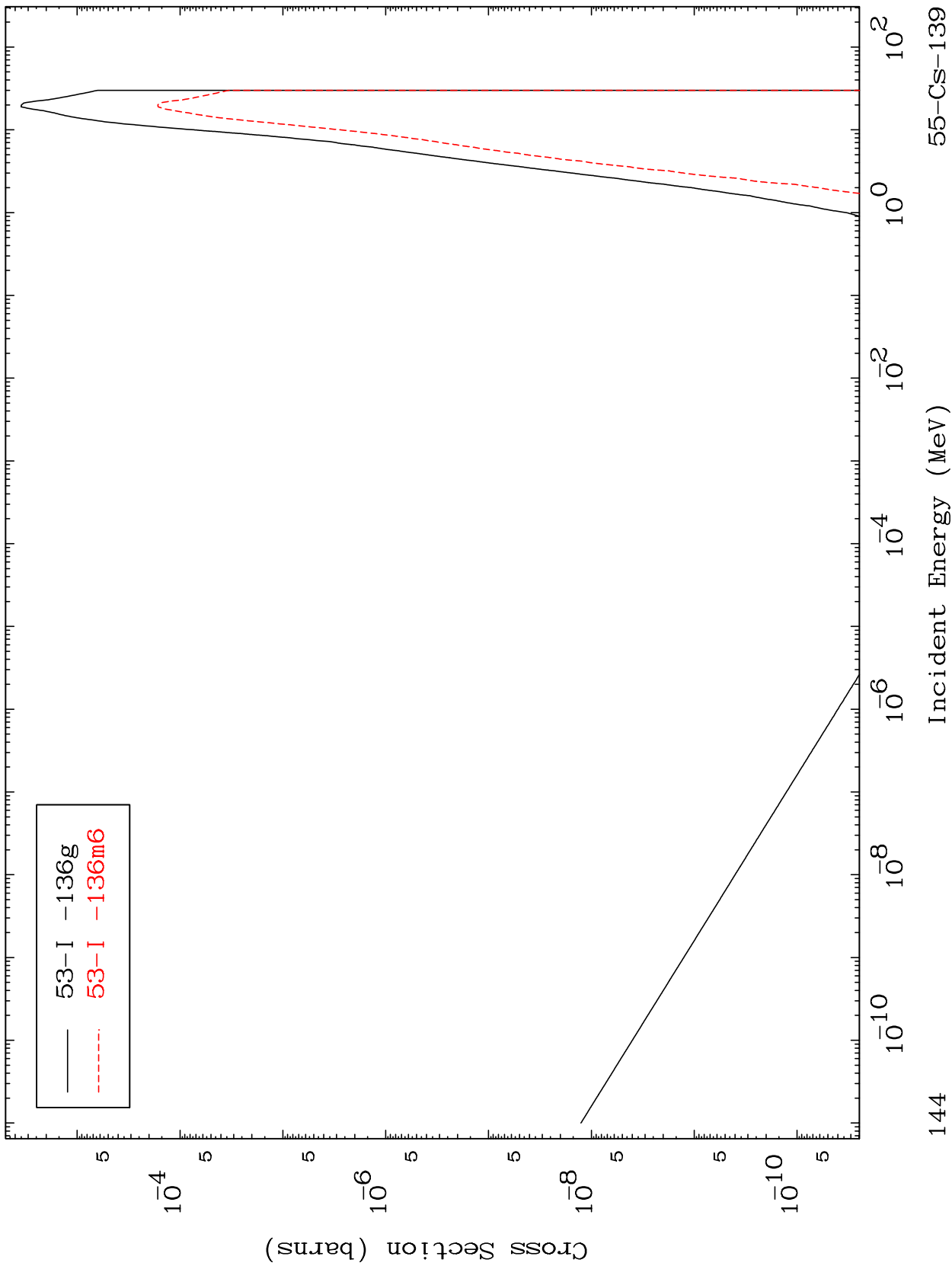
Incident Energy (MeV)

55-Cs-139

MAT 5543

55-Cs-139

(n, α)
Radionuclide Production Cross Section



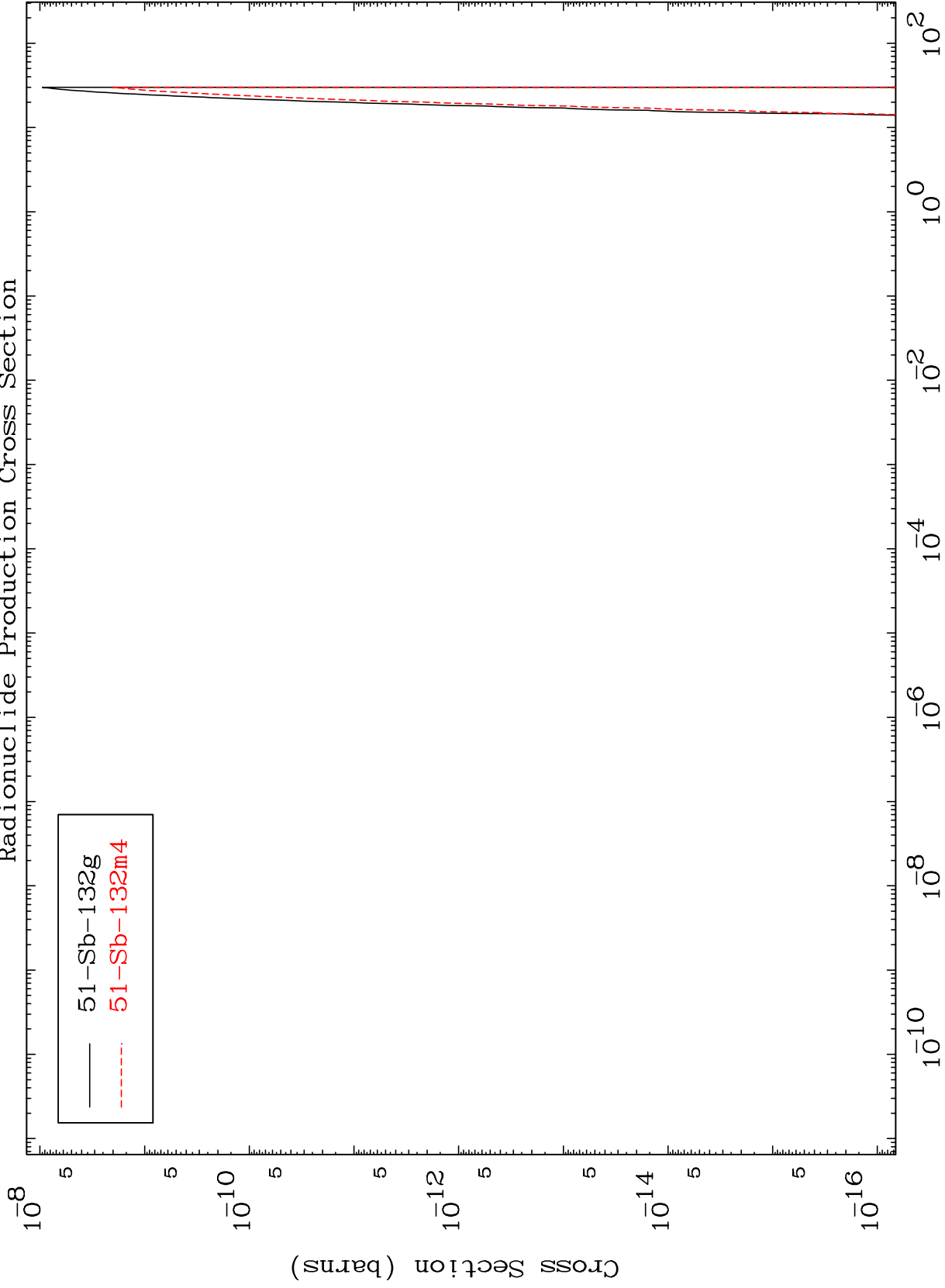
144

MAT 5543

(n,2α)

55-Cs-139

Radionuclide Production Cross Section



51-Sb-132g
51-Sb-132m4

145

Incident Energy (MeV)

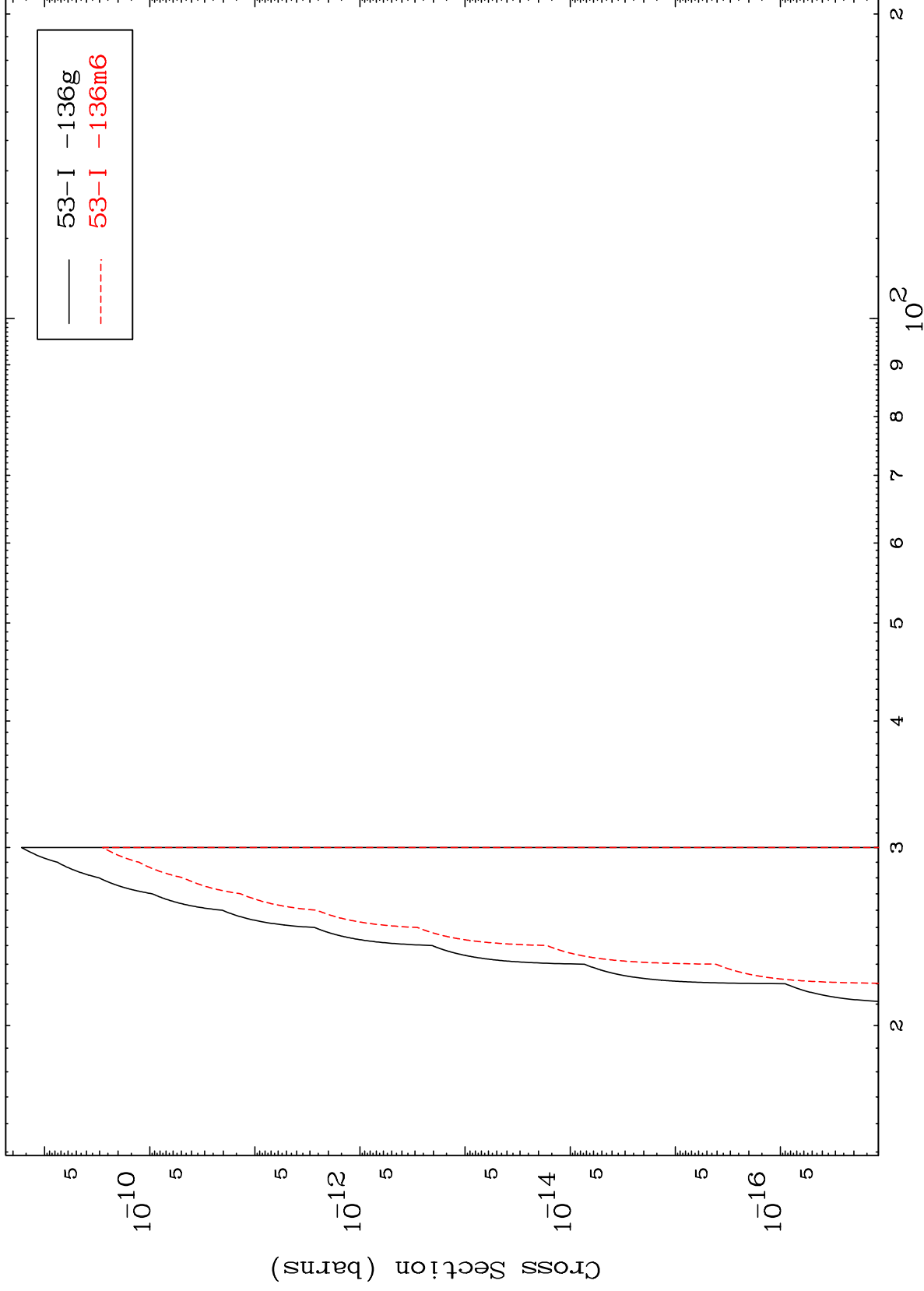
55-Cs-139

MAT 5543

(n,p) t

55-Cs-139

Radionuclide Production Cross Section



146

Incident Energy (MeV)

55-Cs-139