

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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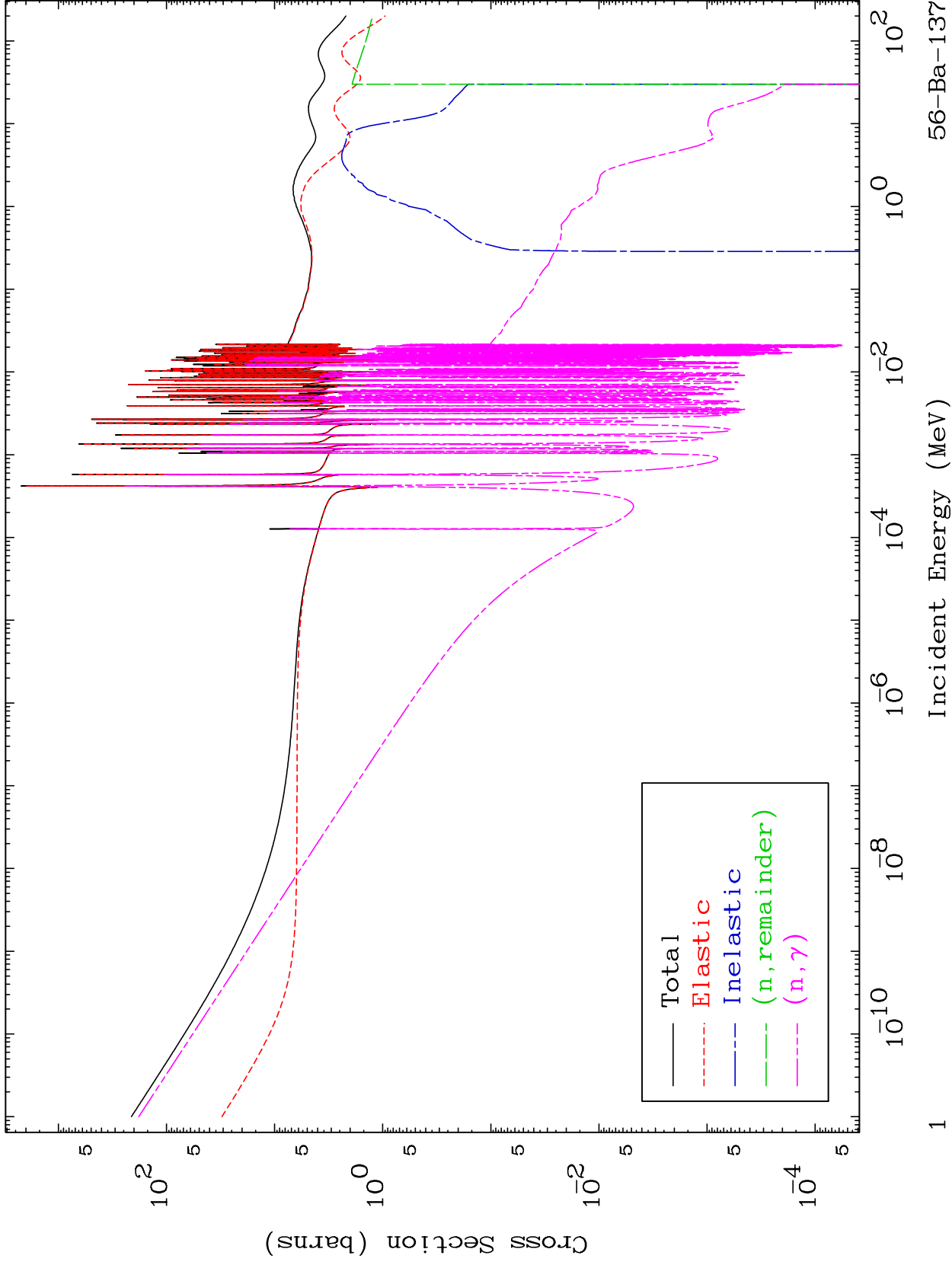
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

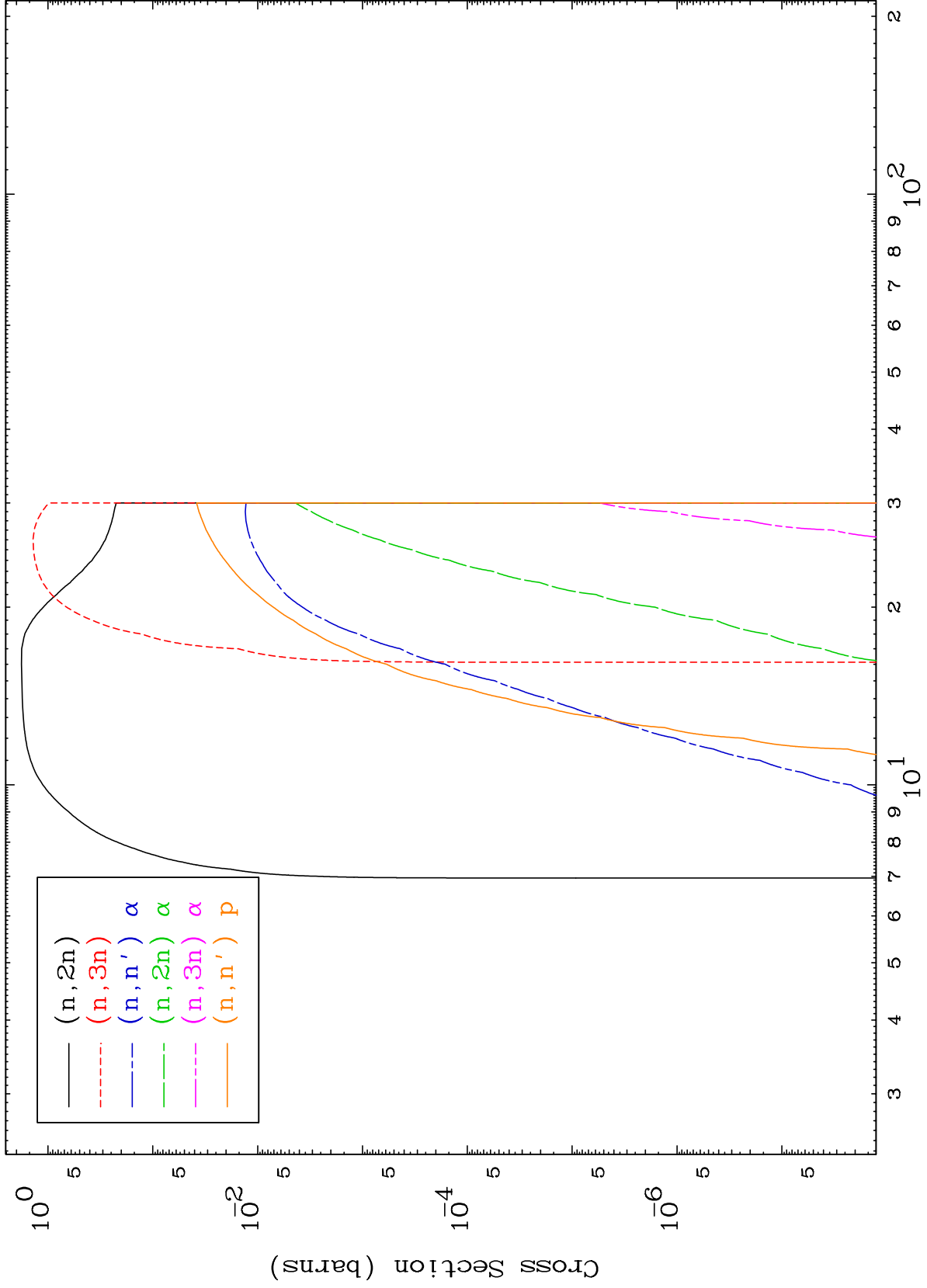
MAT 5646

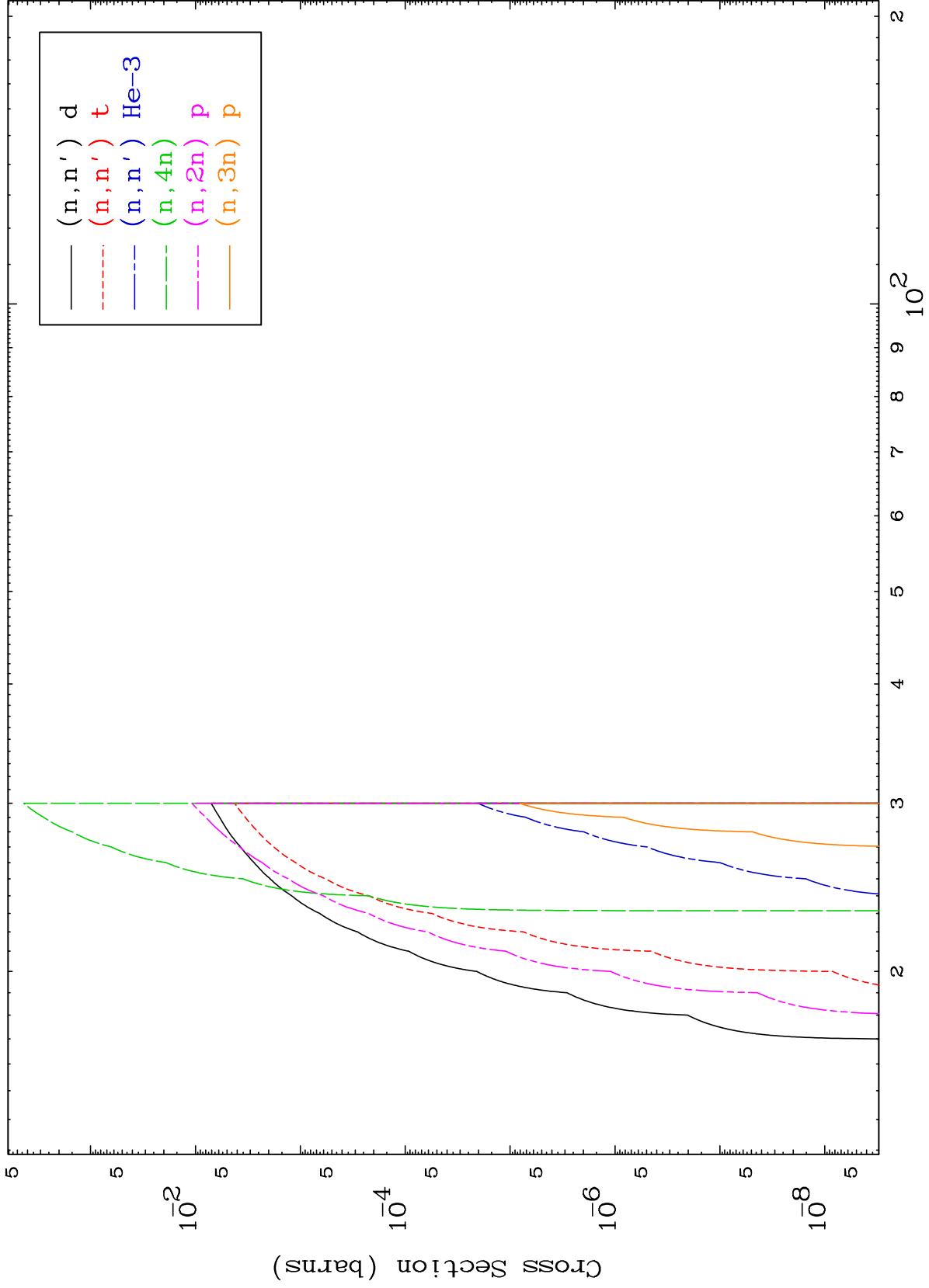
Major
293 Kelvin Cross Sections

56-Ba-137



Neutron Production
293 Kelvin Cross Sections

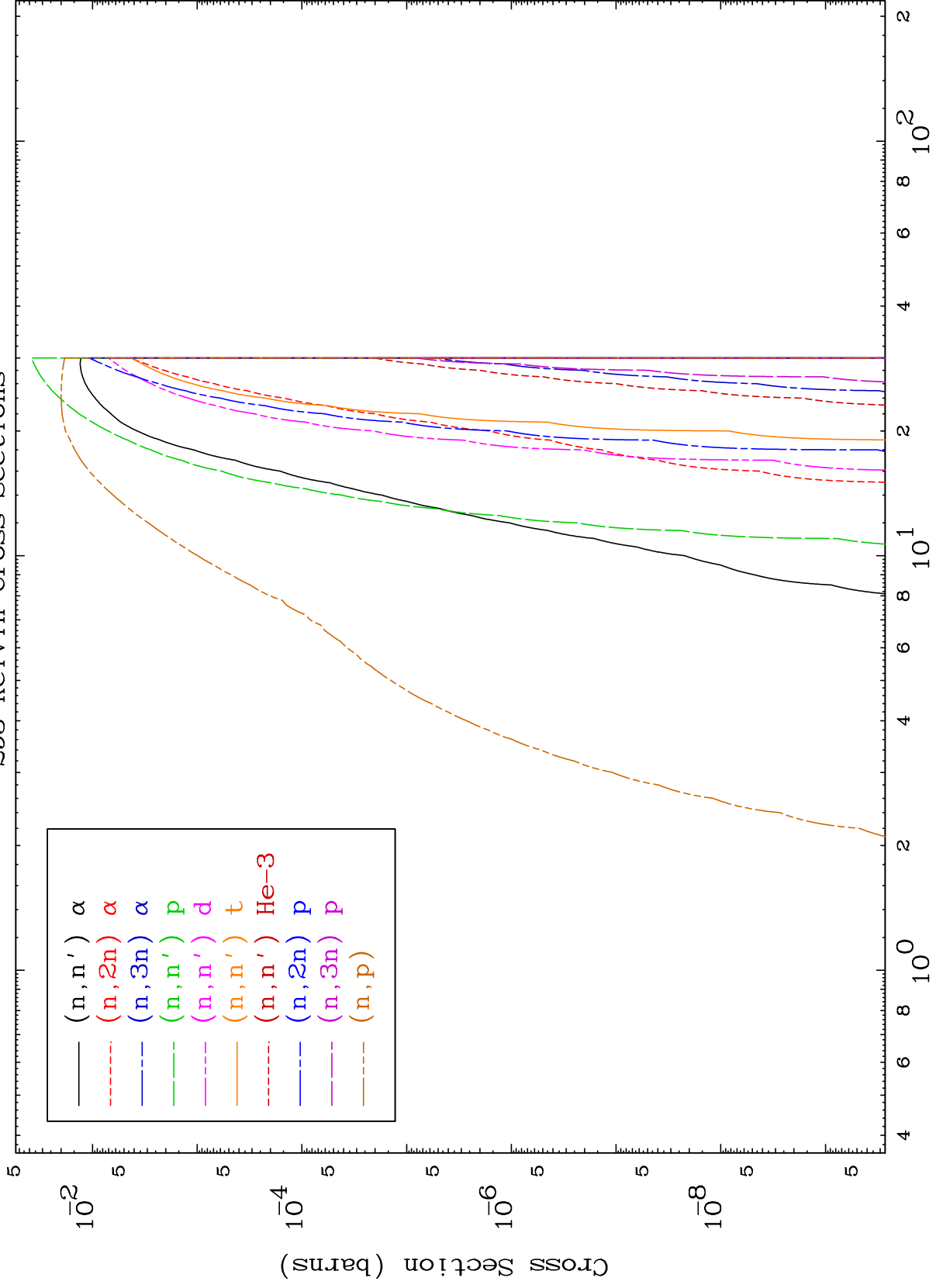




MAT 5646

Charged Particle
293 Kelvin Cross Sections

56-Ba-137



4

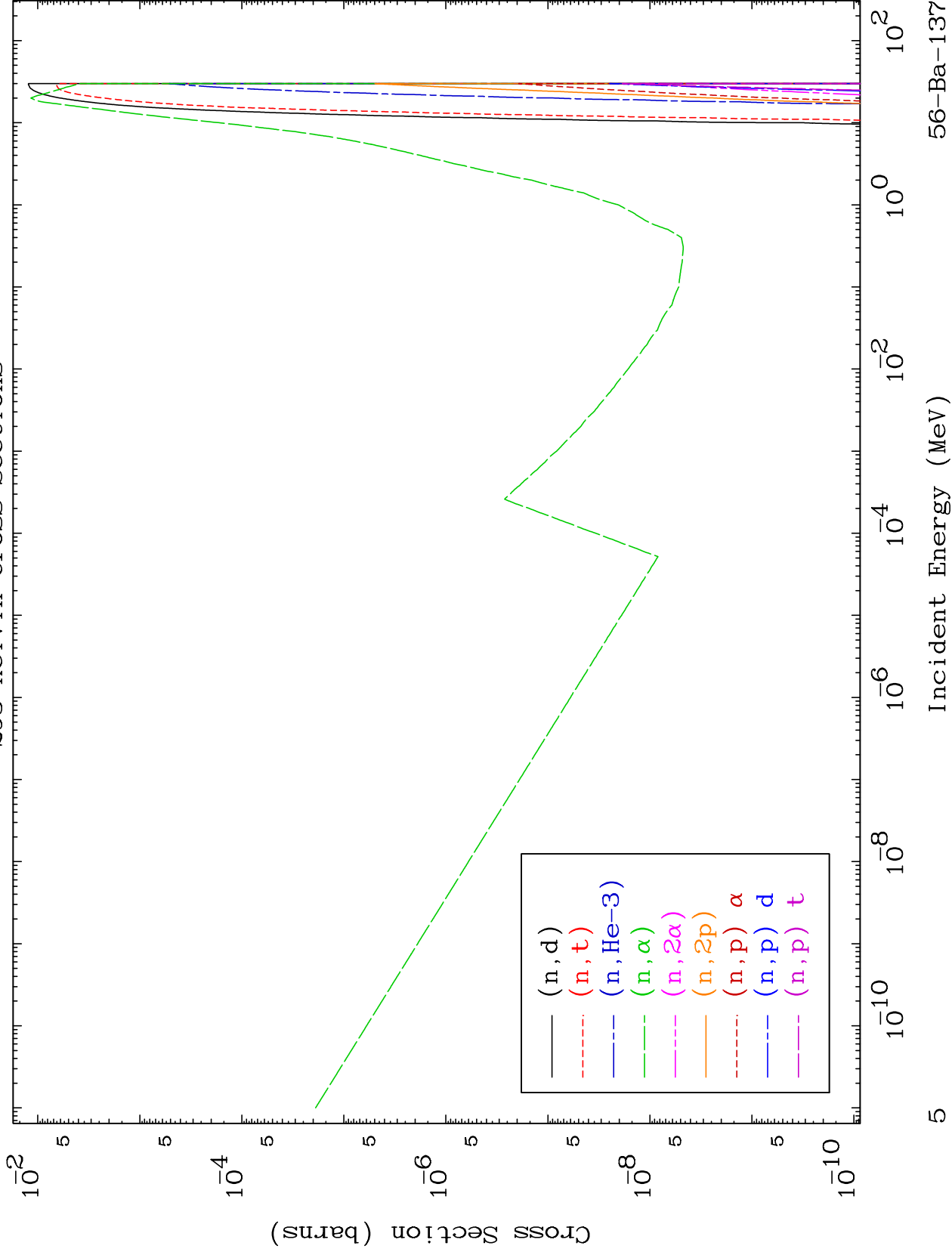
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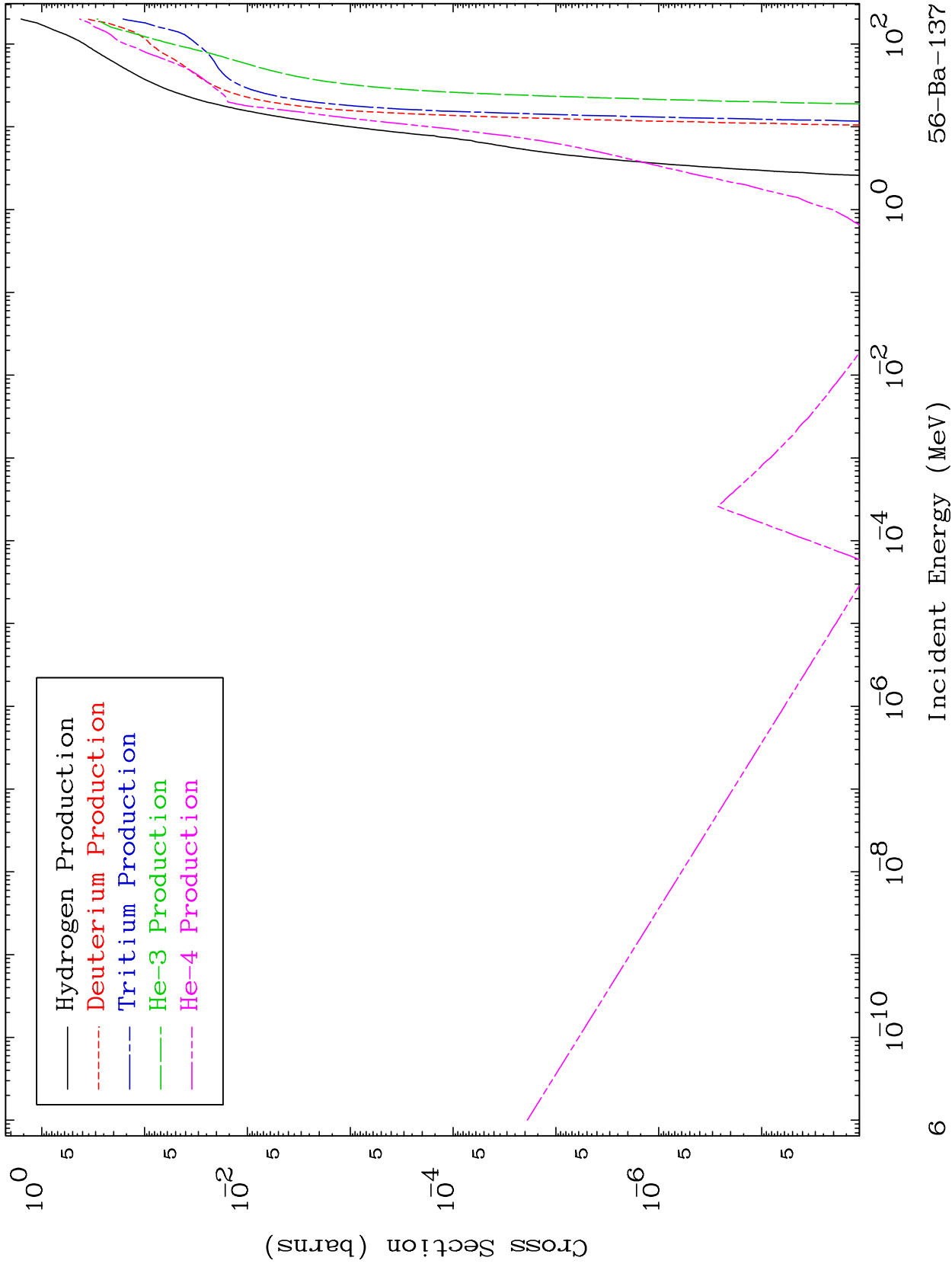
56-Ba-137

MAT 5646

Charged Particle
293 Kelvin Cross Sections

56-Ba-137

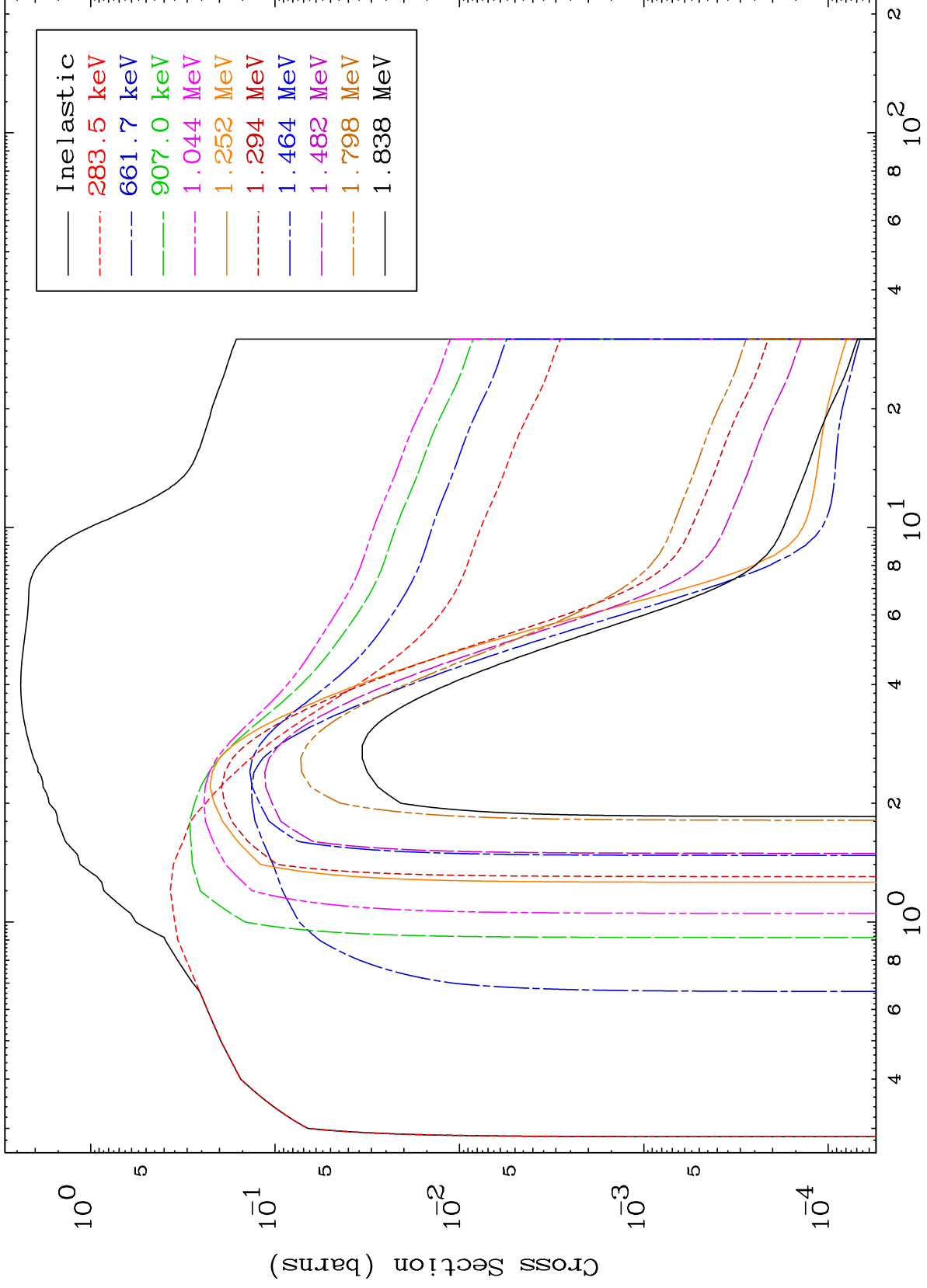




MAT 5646

(n,n') Level
293 Kelvin Cross Sections

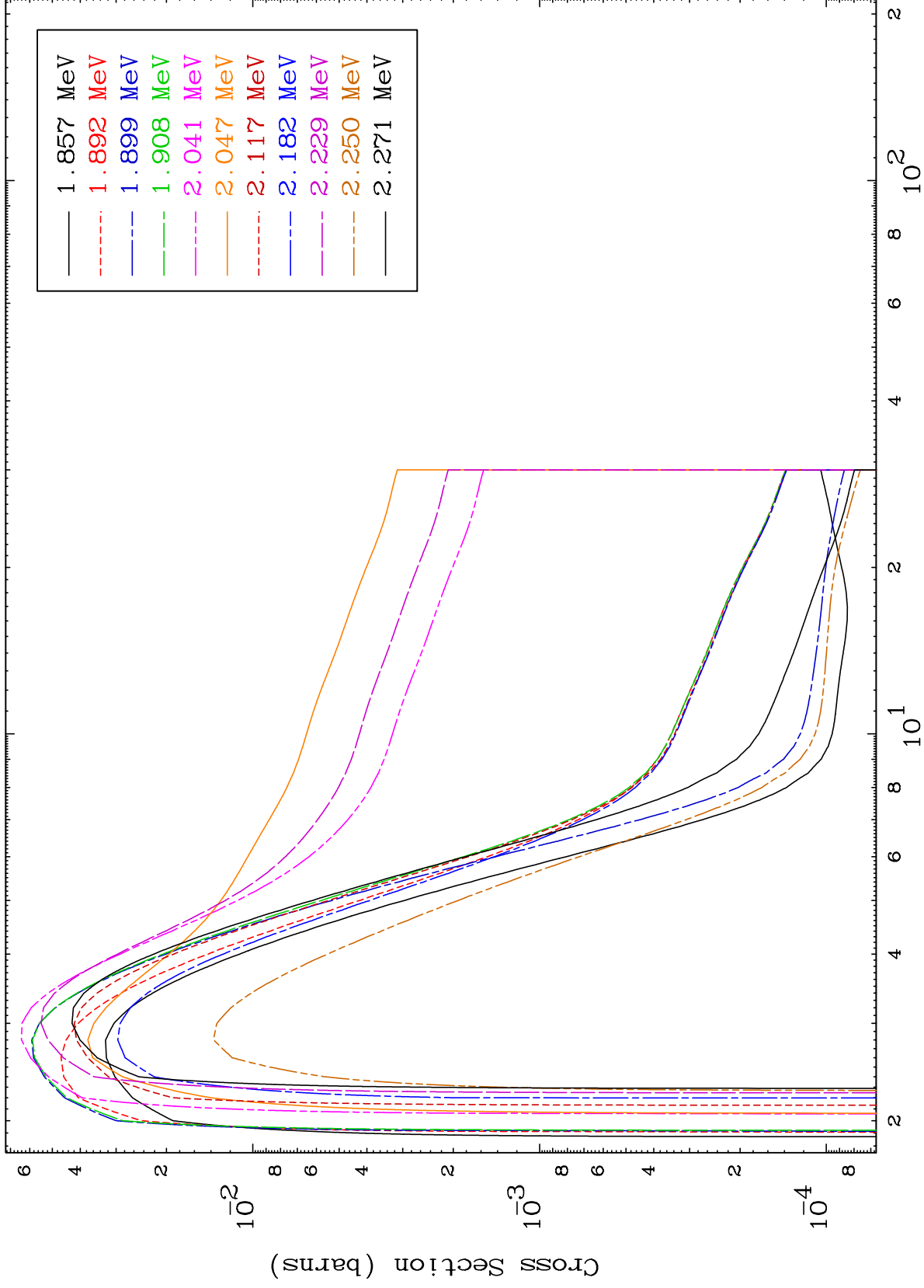
56-Ba-137



MAT 5646

(n,n') Level
293 Kelvin Cross Sections

56-Ba-137



8

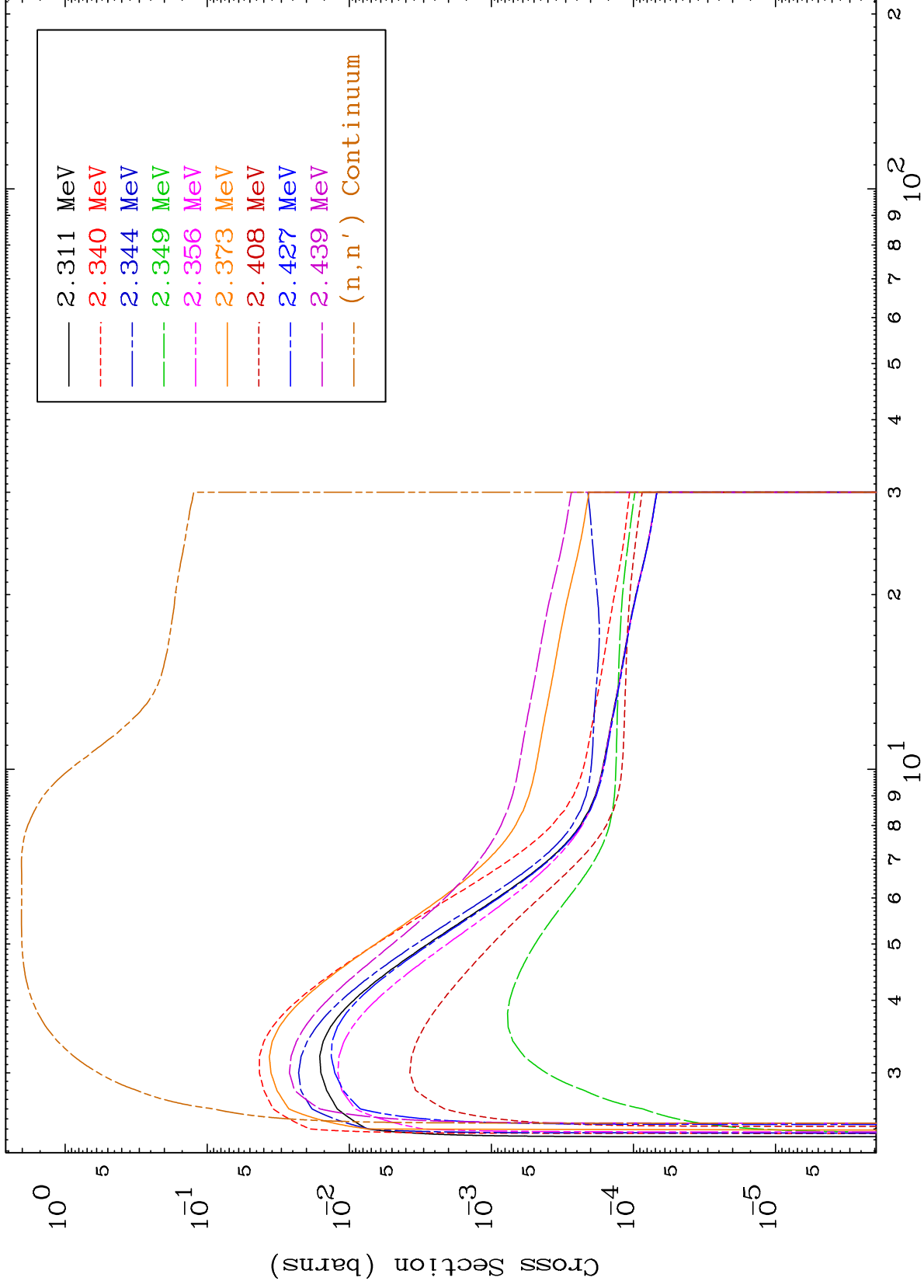
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,n') Level
293 Kelvin Cross Sections

56-Ba-137



9

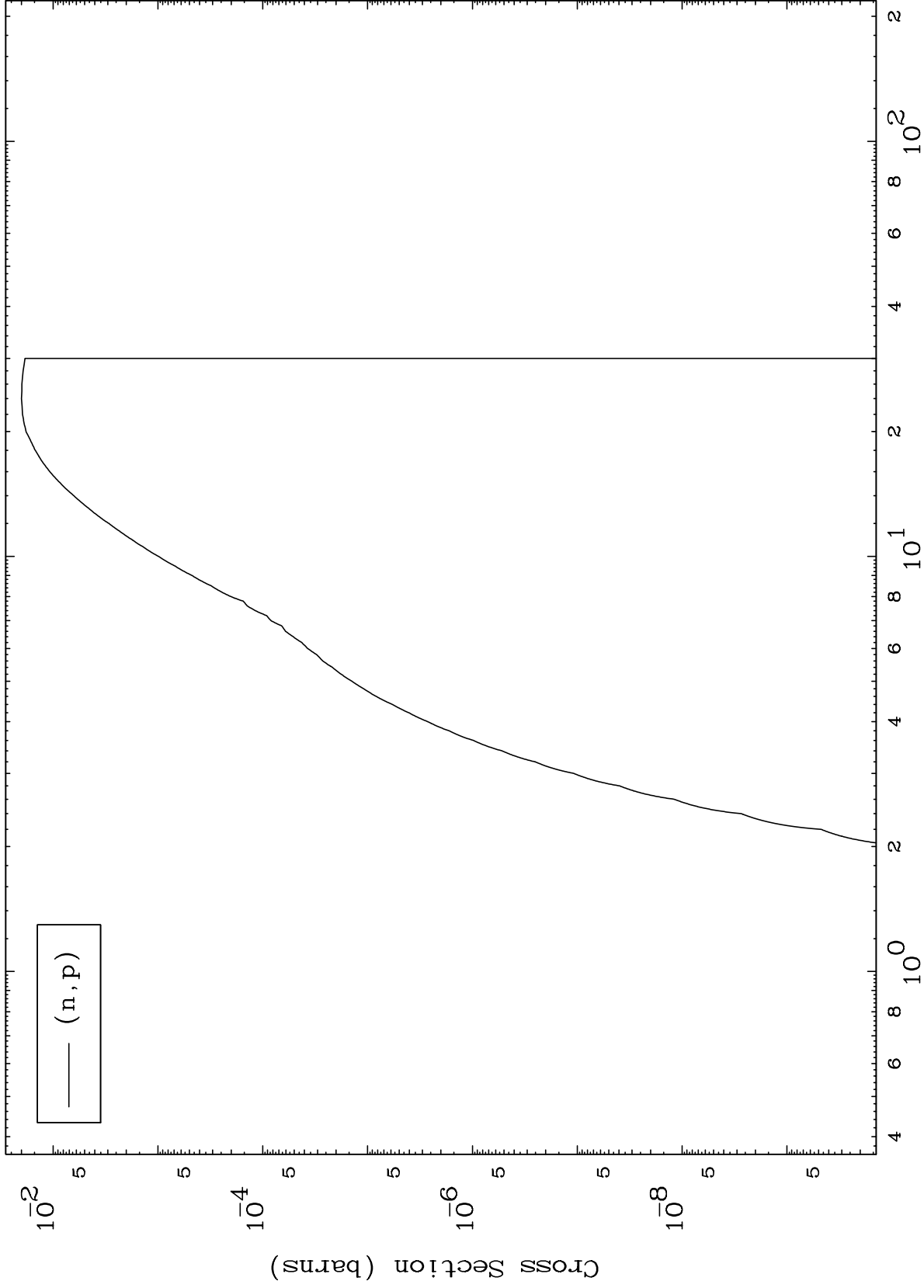
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-137



10

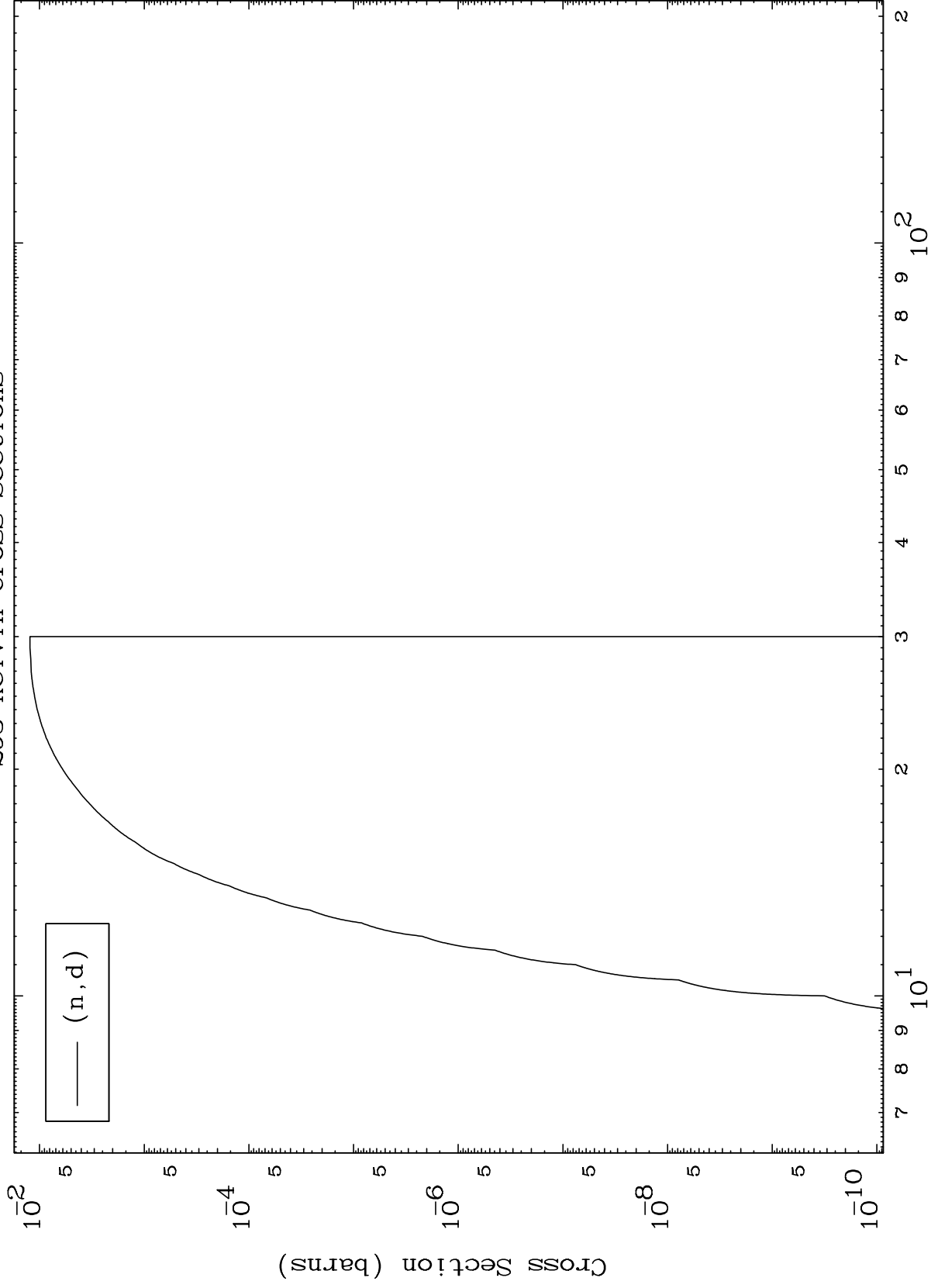
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-137



11

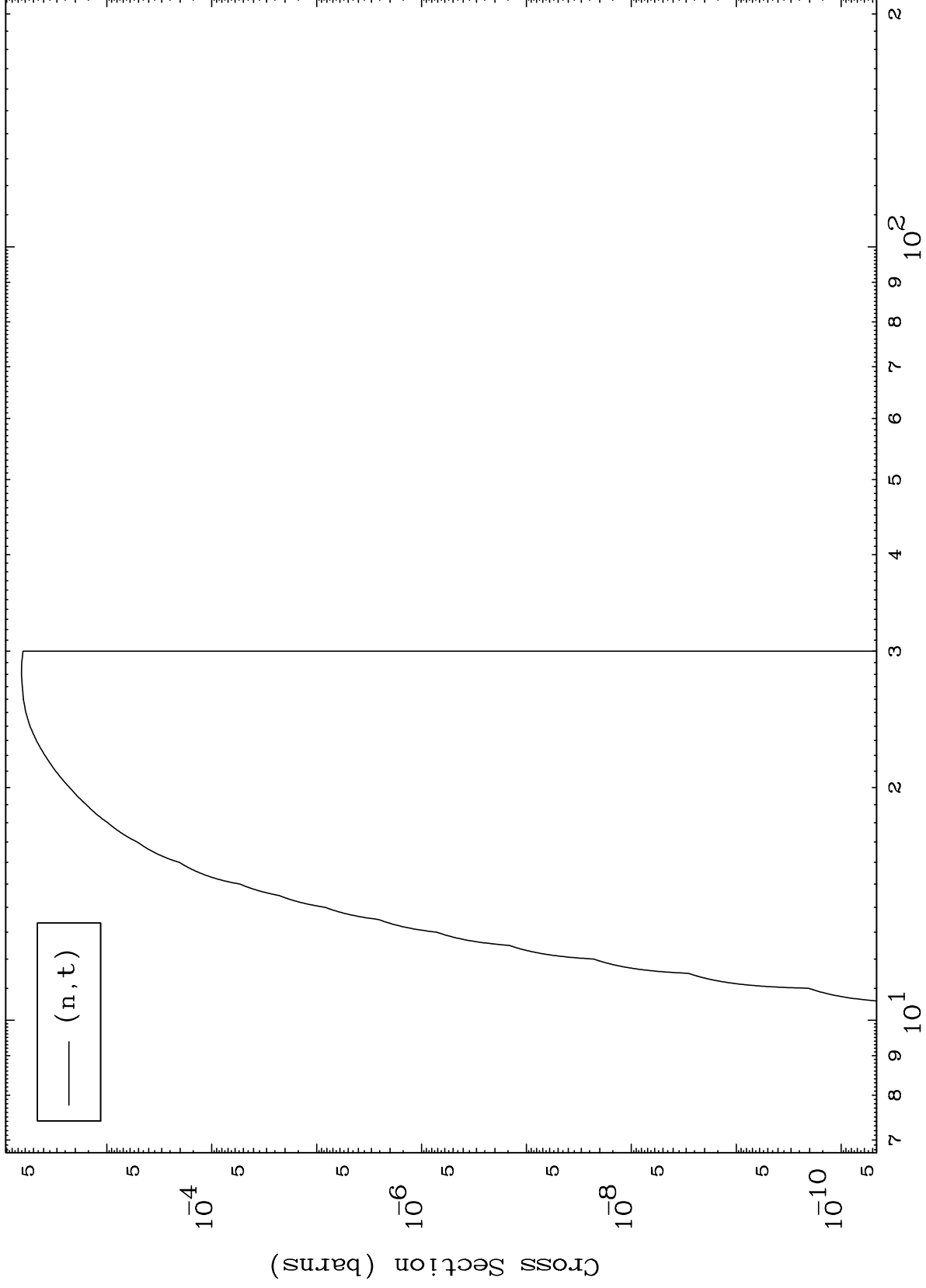
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-137



12

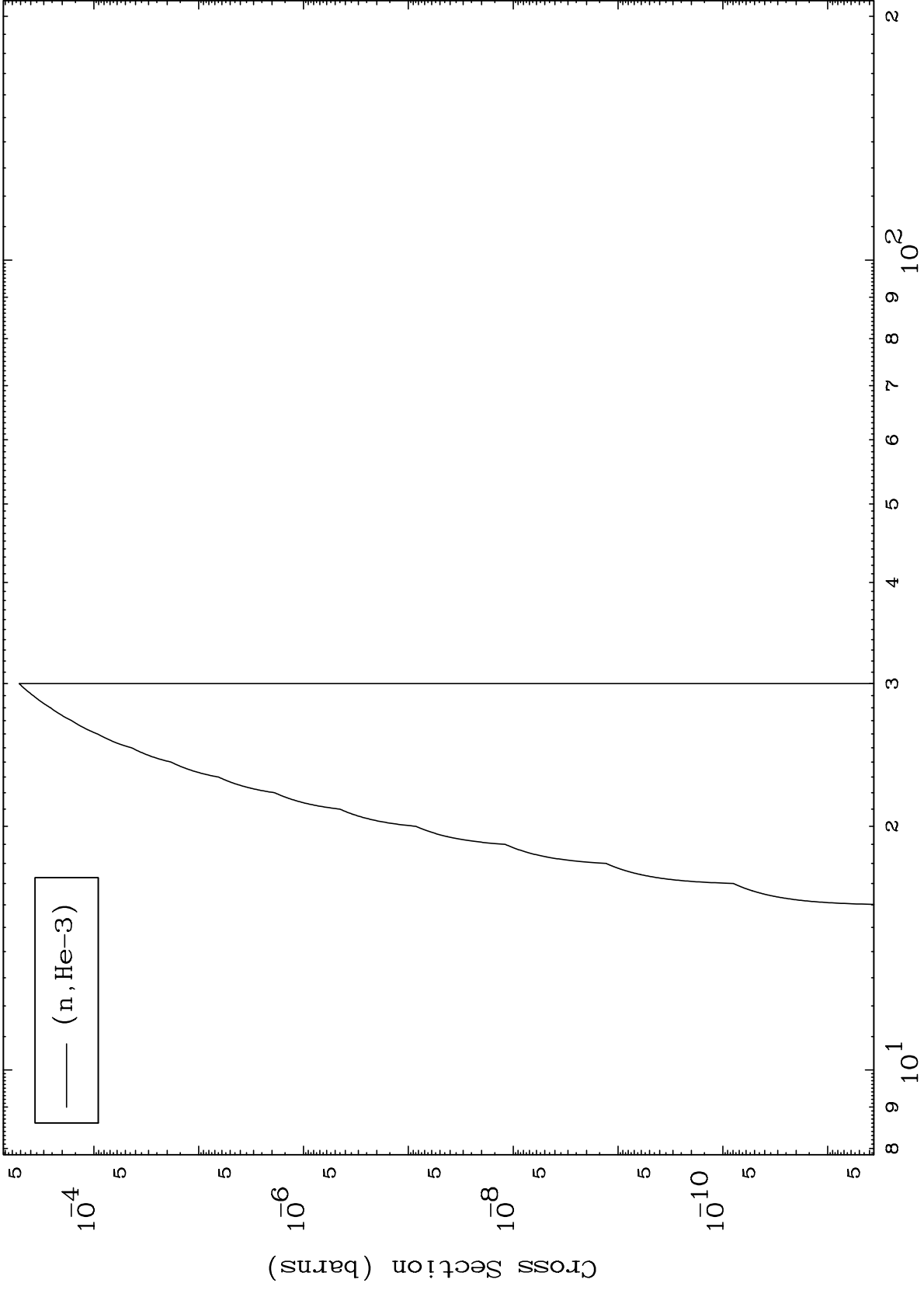
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-137



13

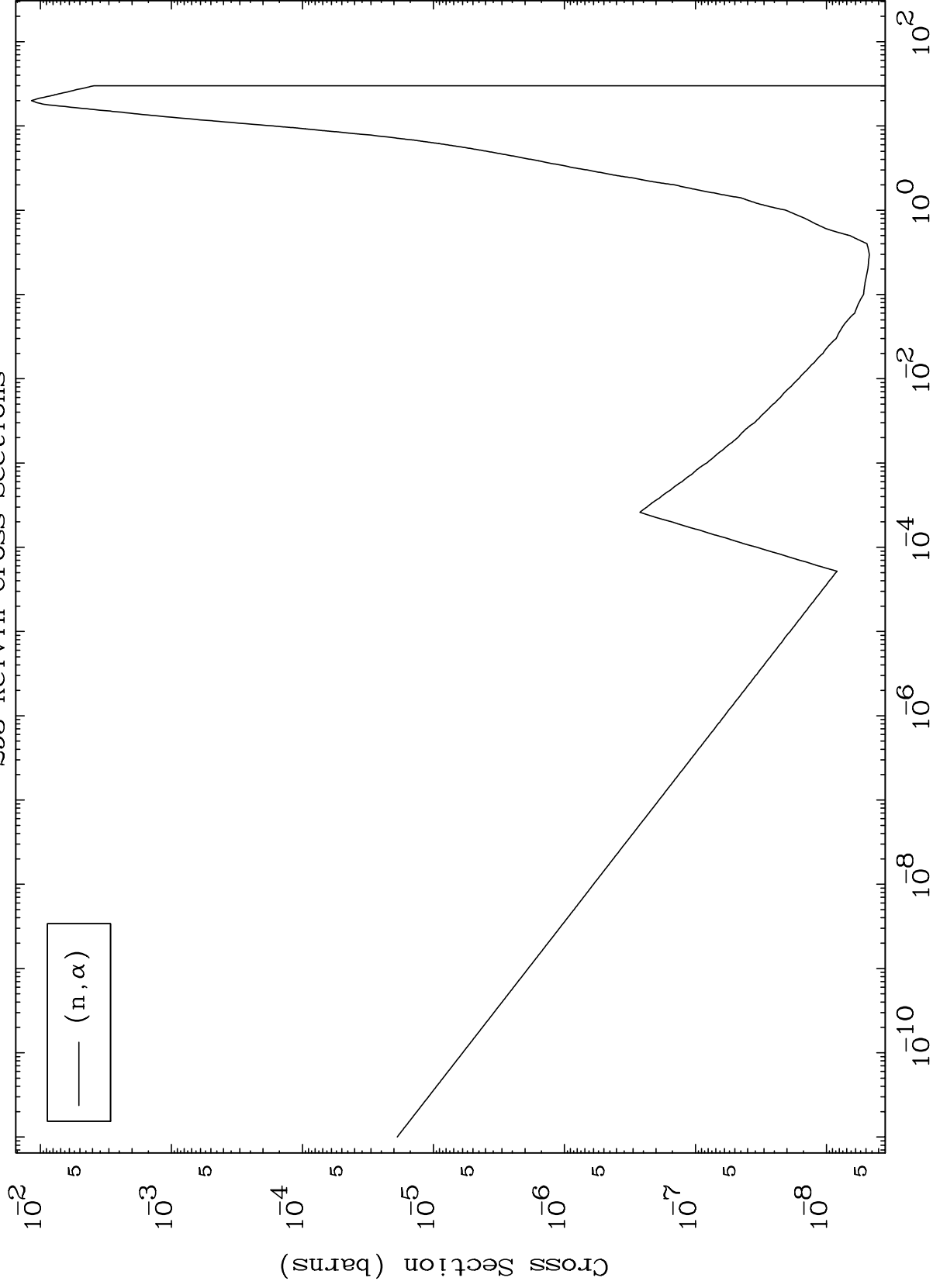
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n, α) Levels
293 Kelvin Cross Sections

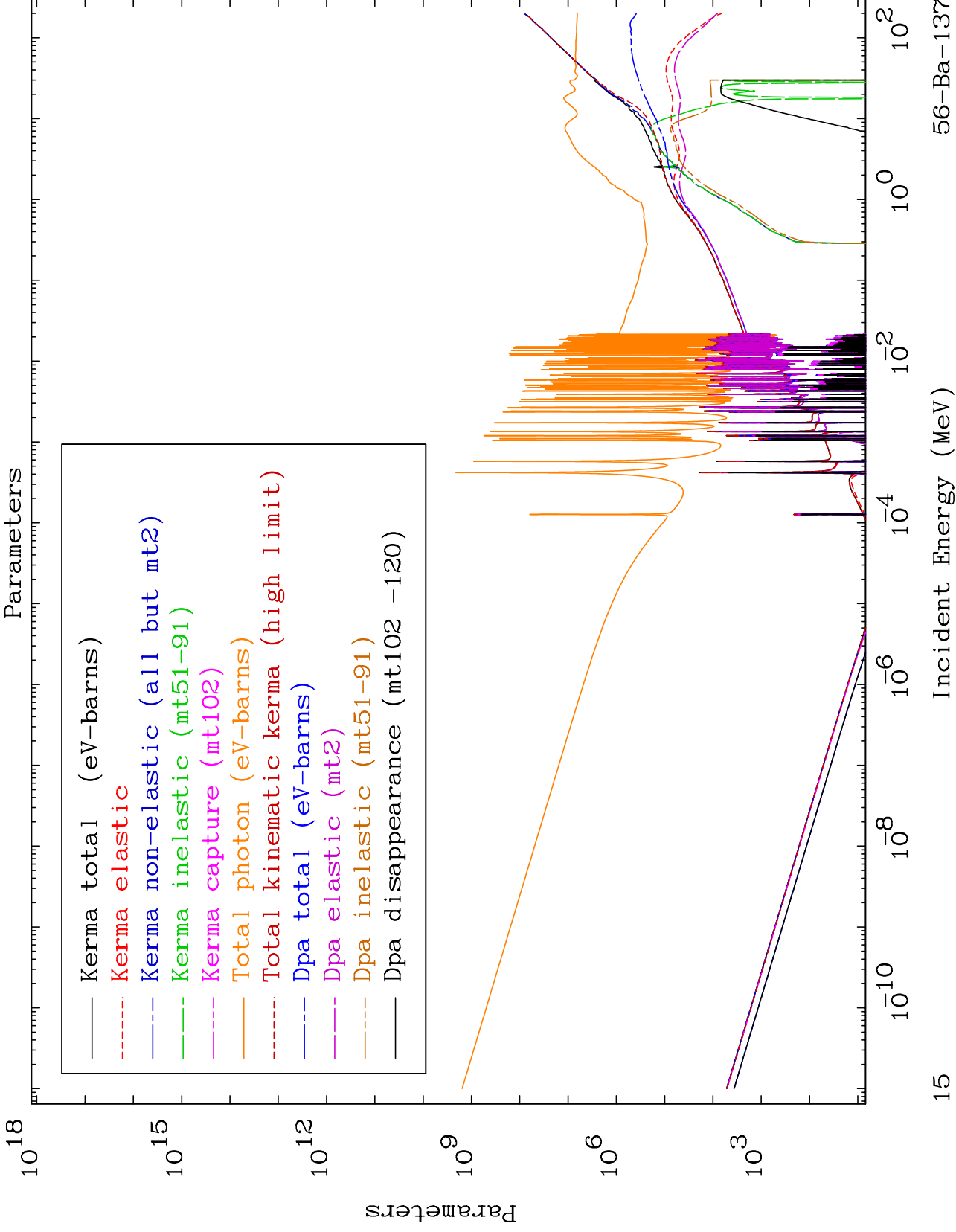
56-Ba-137



14

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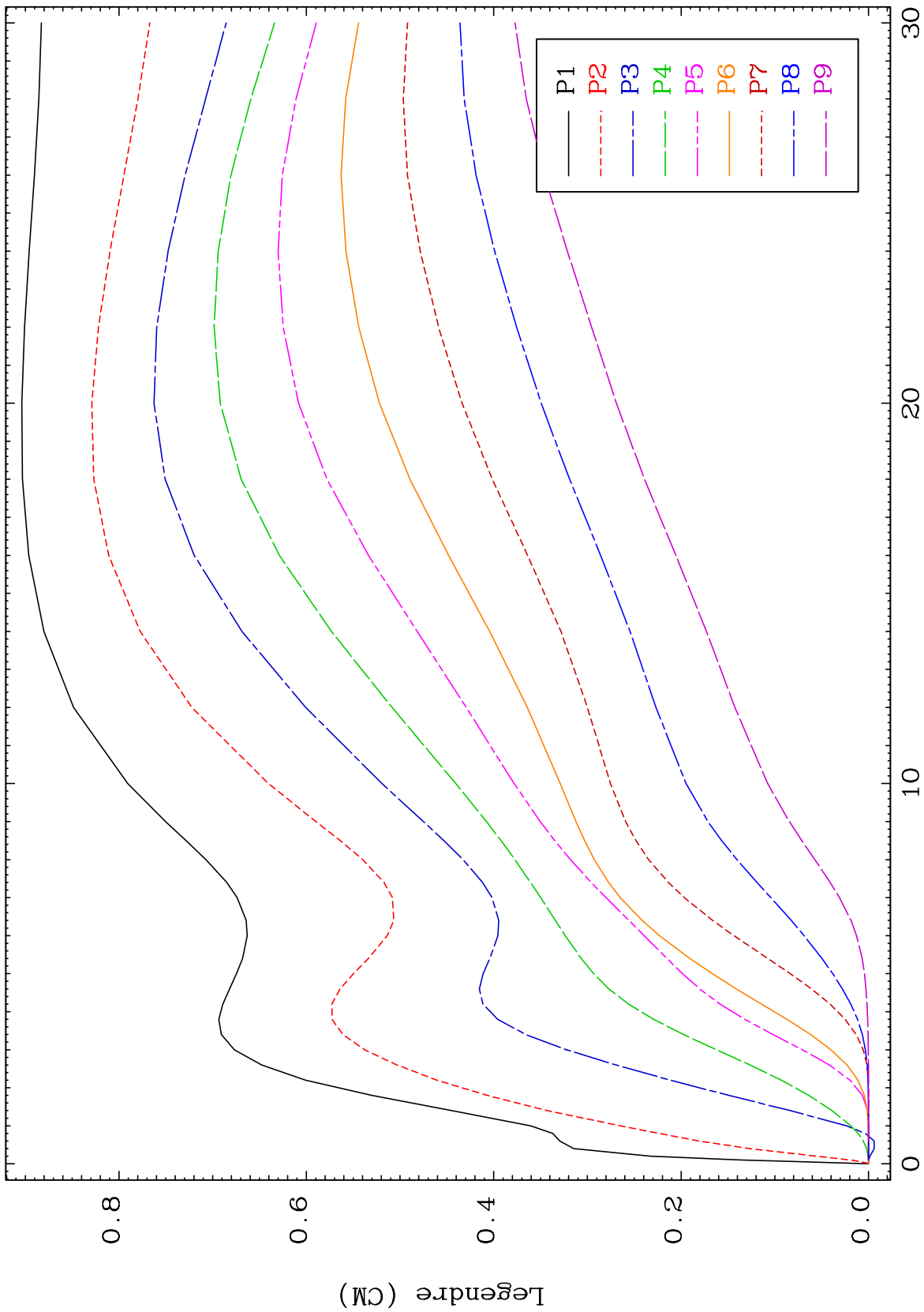
56-Ba-137



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Elastic Legendre Coefficients

56-Ba-137



16

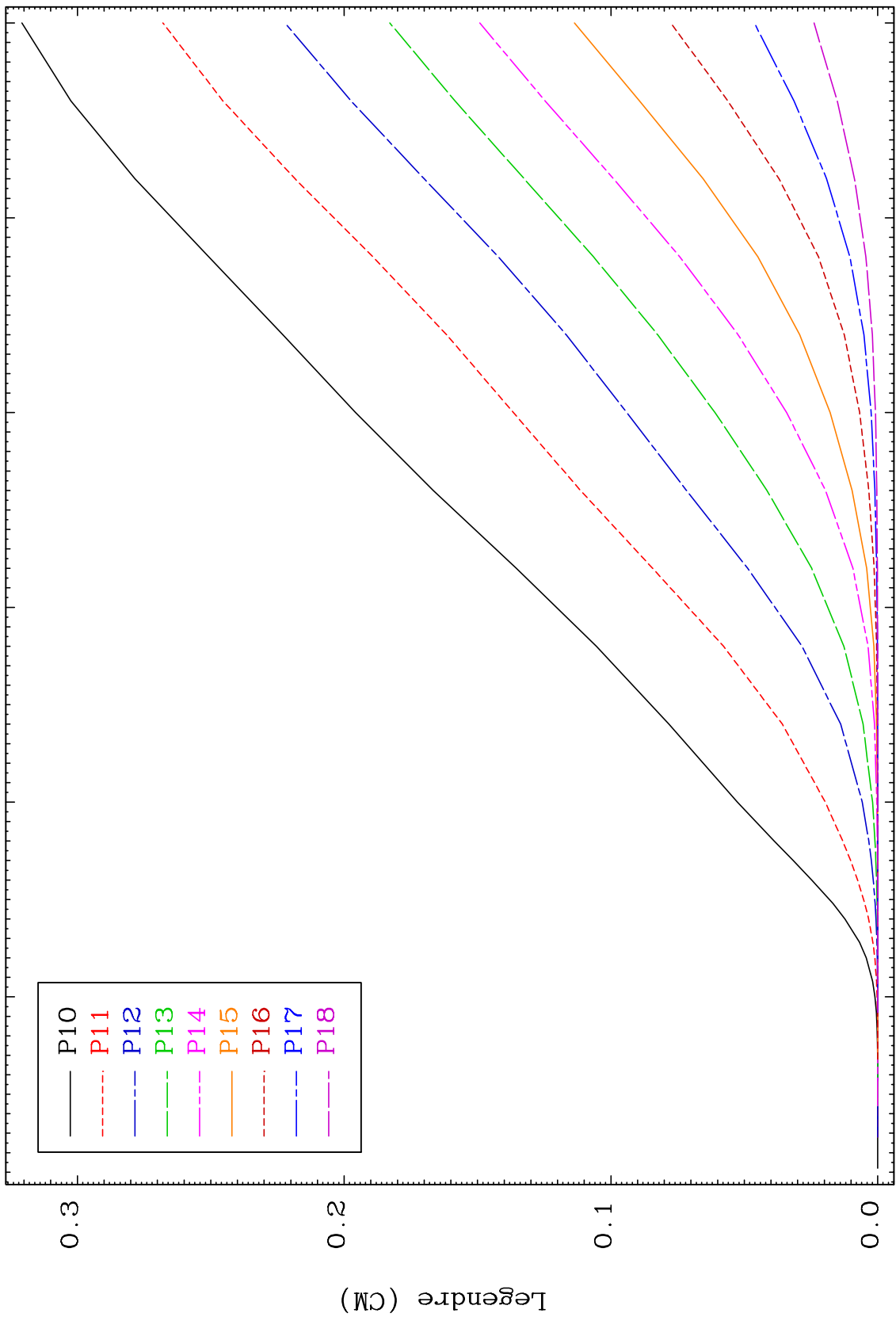
Incident Energy (MeV)

56-Ba-137

MAT 5646

Elastic Legendre Coefficients

56-Ba-137



17

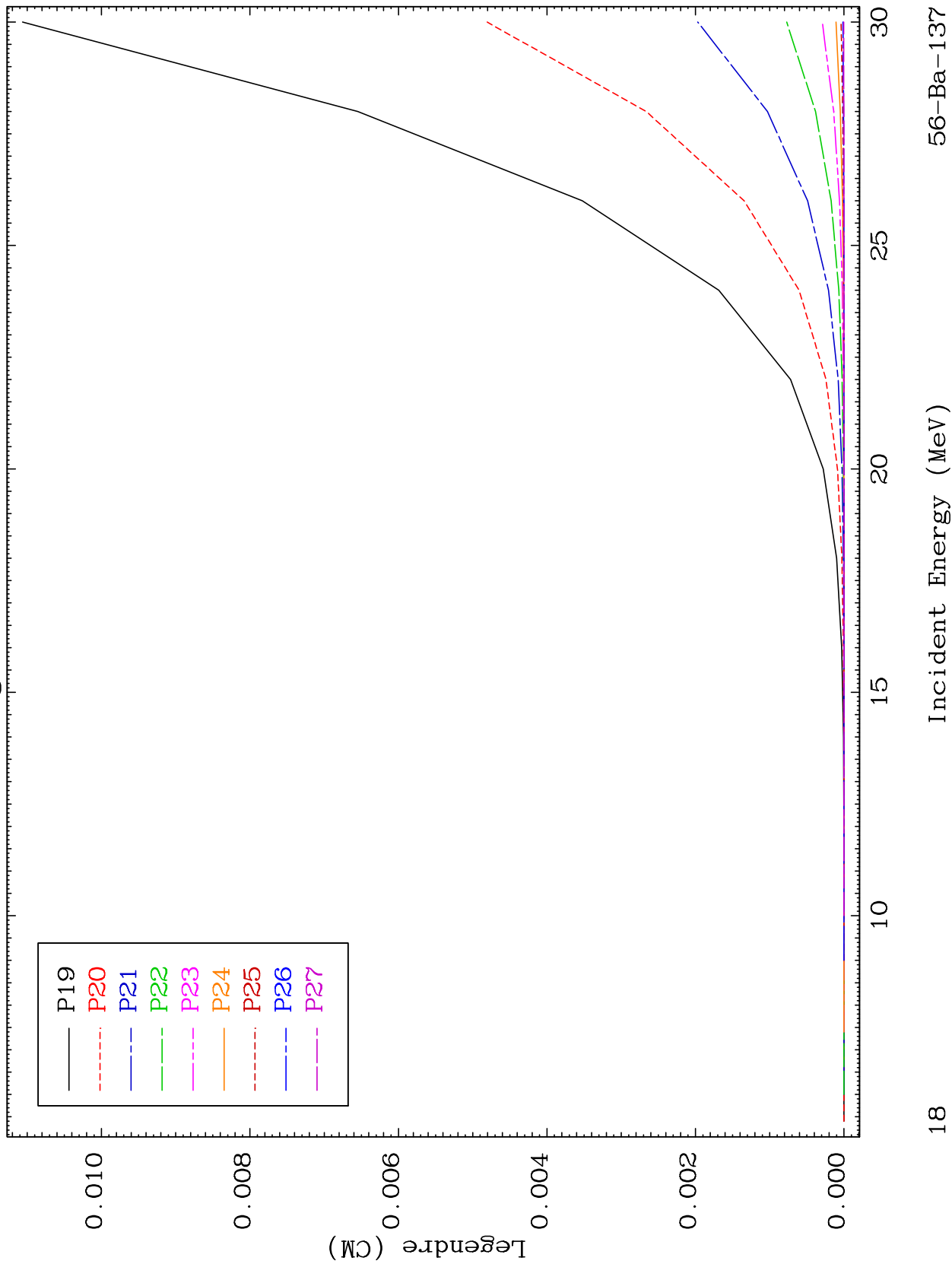
Incident Energy (MeV)

56-Ba-137

MAT 5646

Elastic Legendre Coefficients

56-Ba-137



18

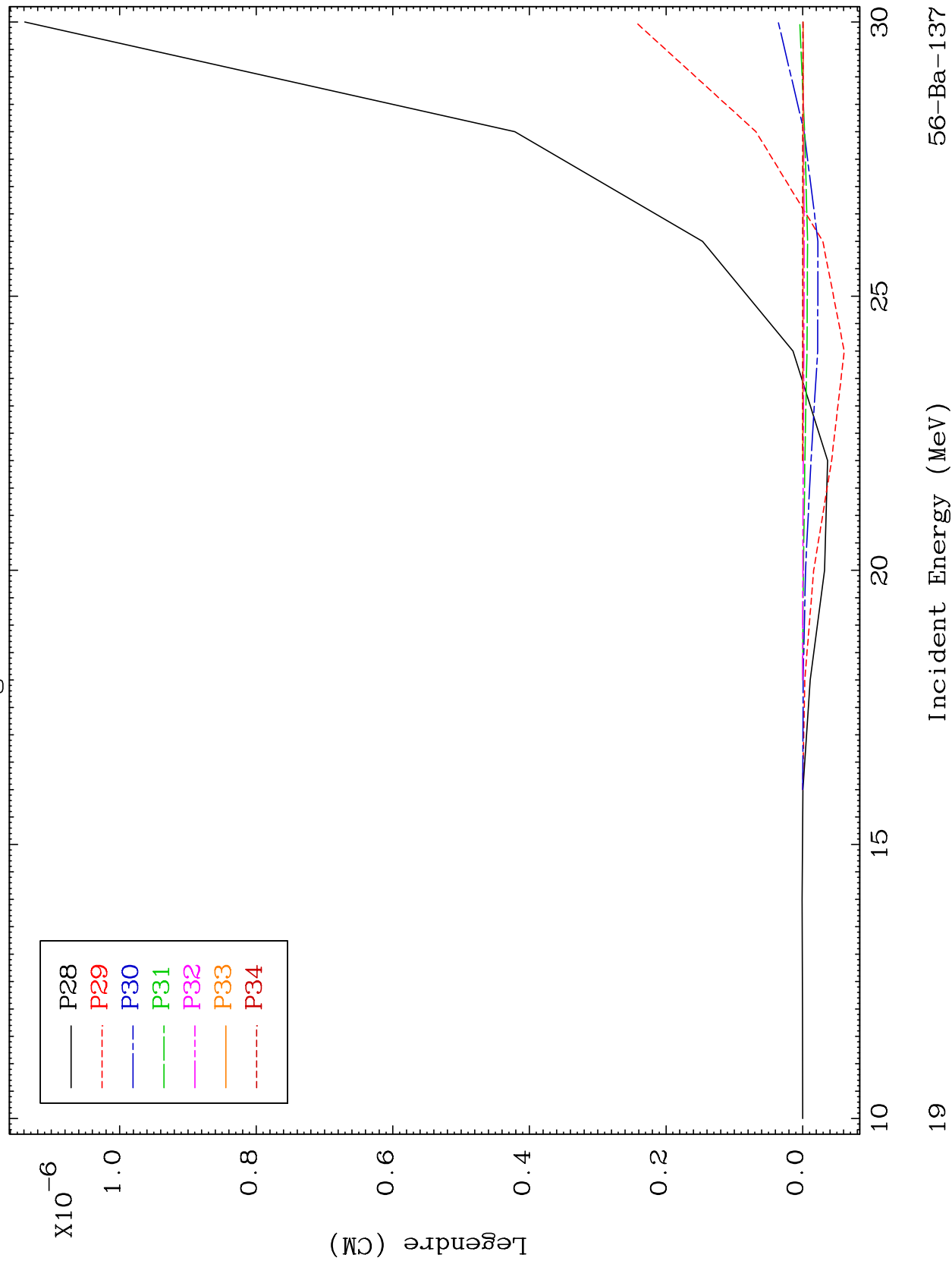
Incident Energy (MeV)

56-Ba-137

MAT 5646

Elastic Legendre Coefficients

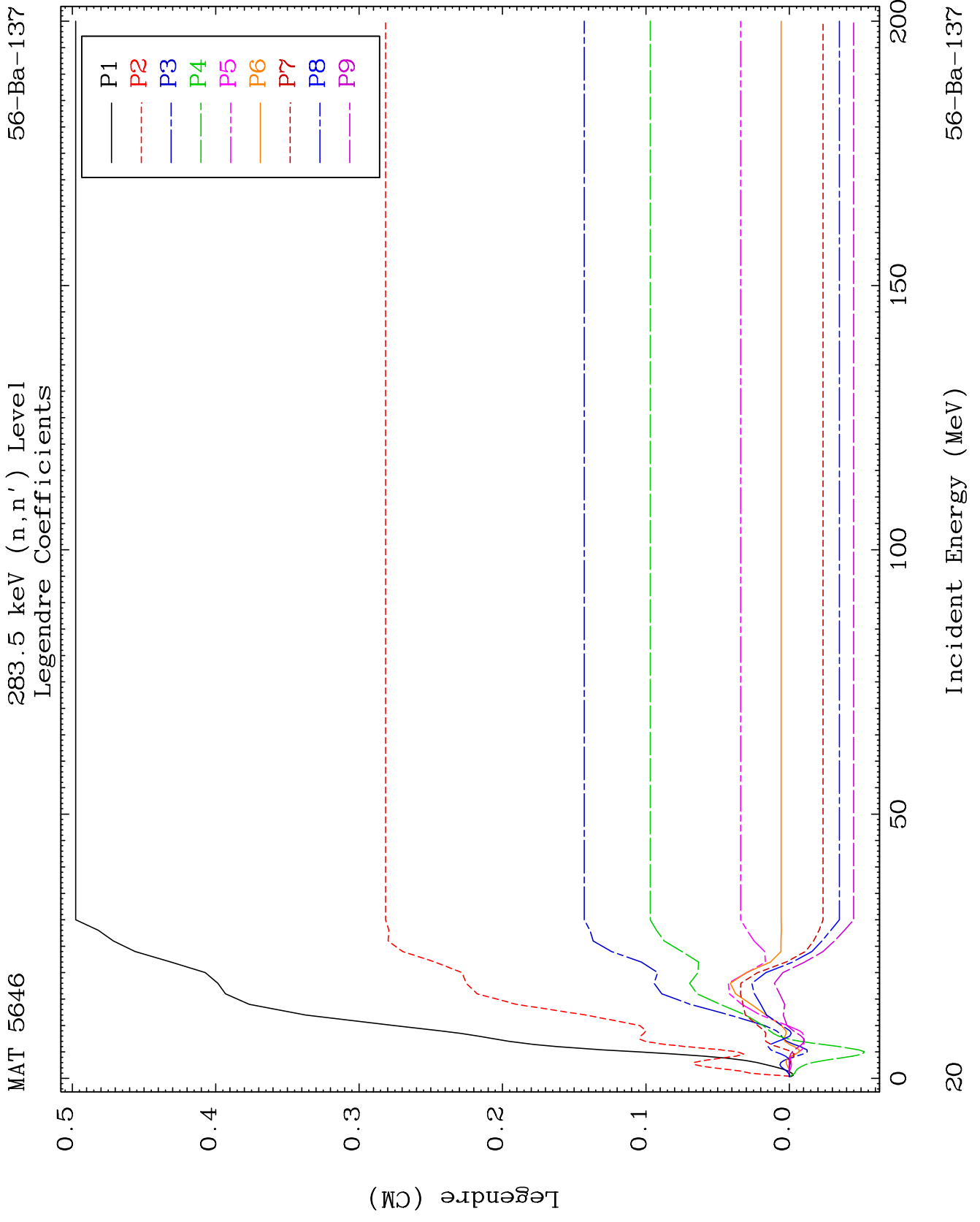
56-Ba-137



19

Incident Energy (MeV)

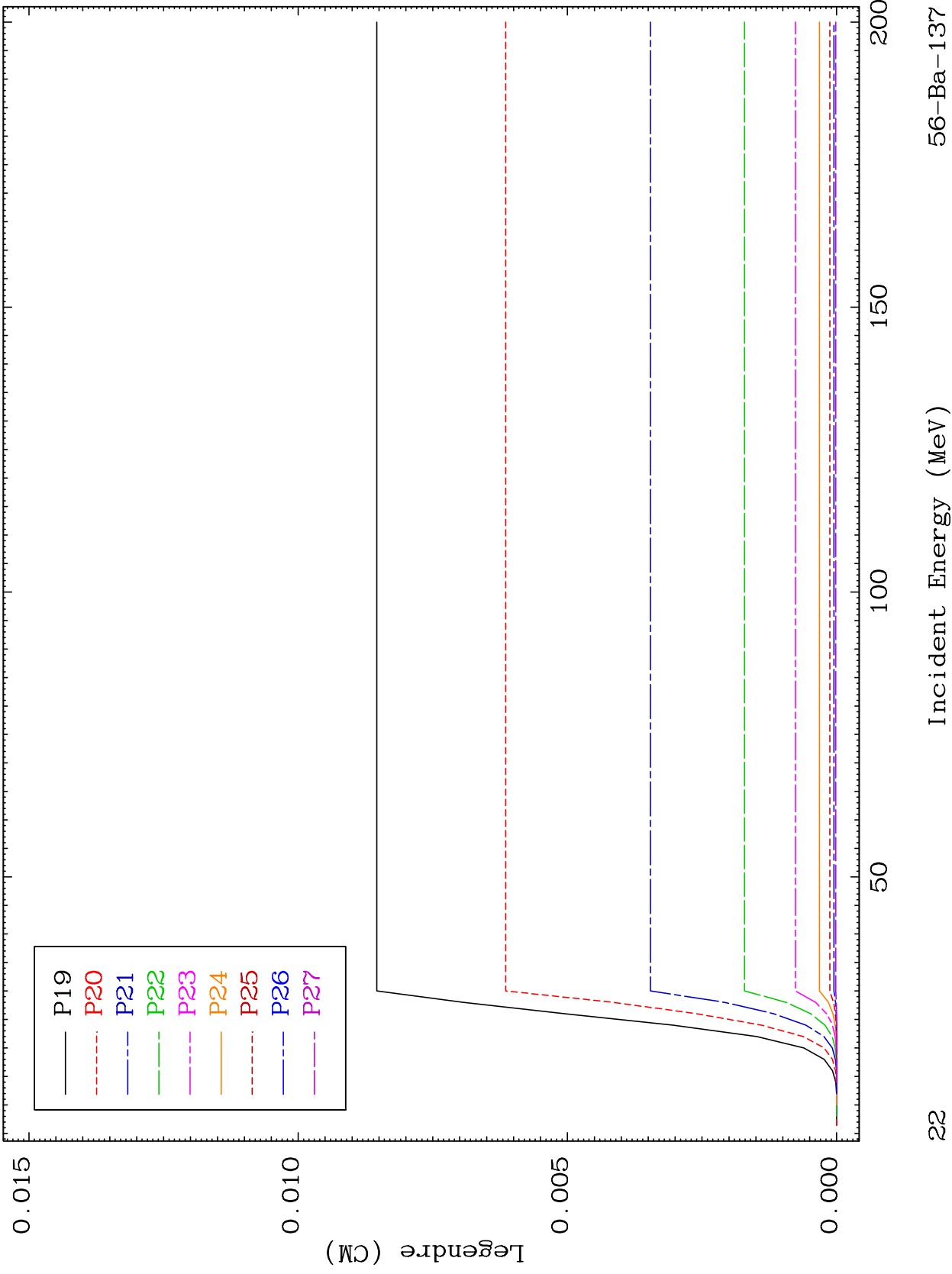
56-Ba-137



MAT 5646

283.5 keV (n,n') Level
Legendre Coefficients

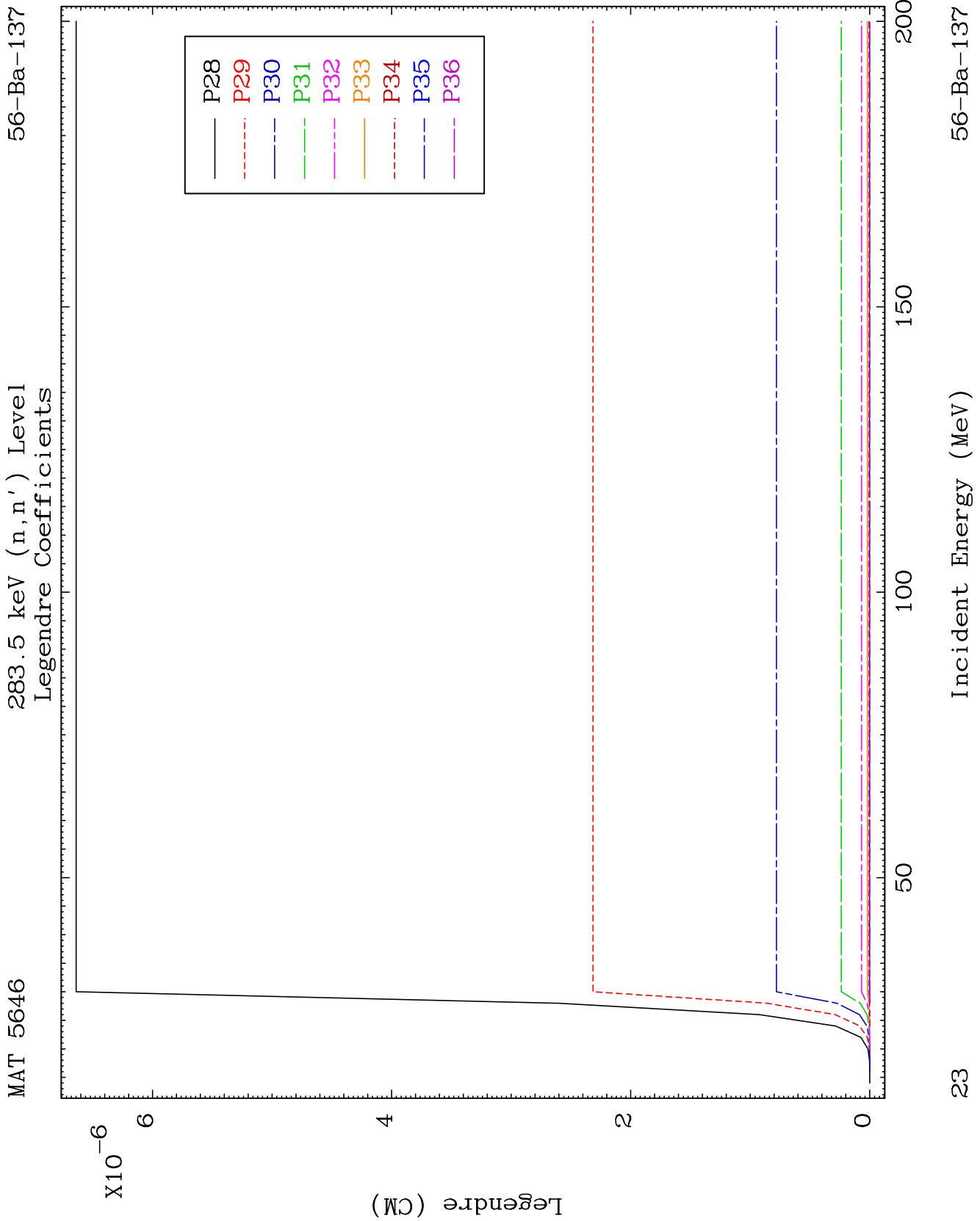
56-Ba-137



22

Incident Energy (MeV)

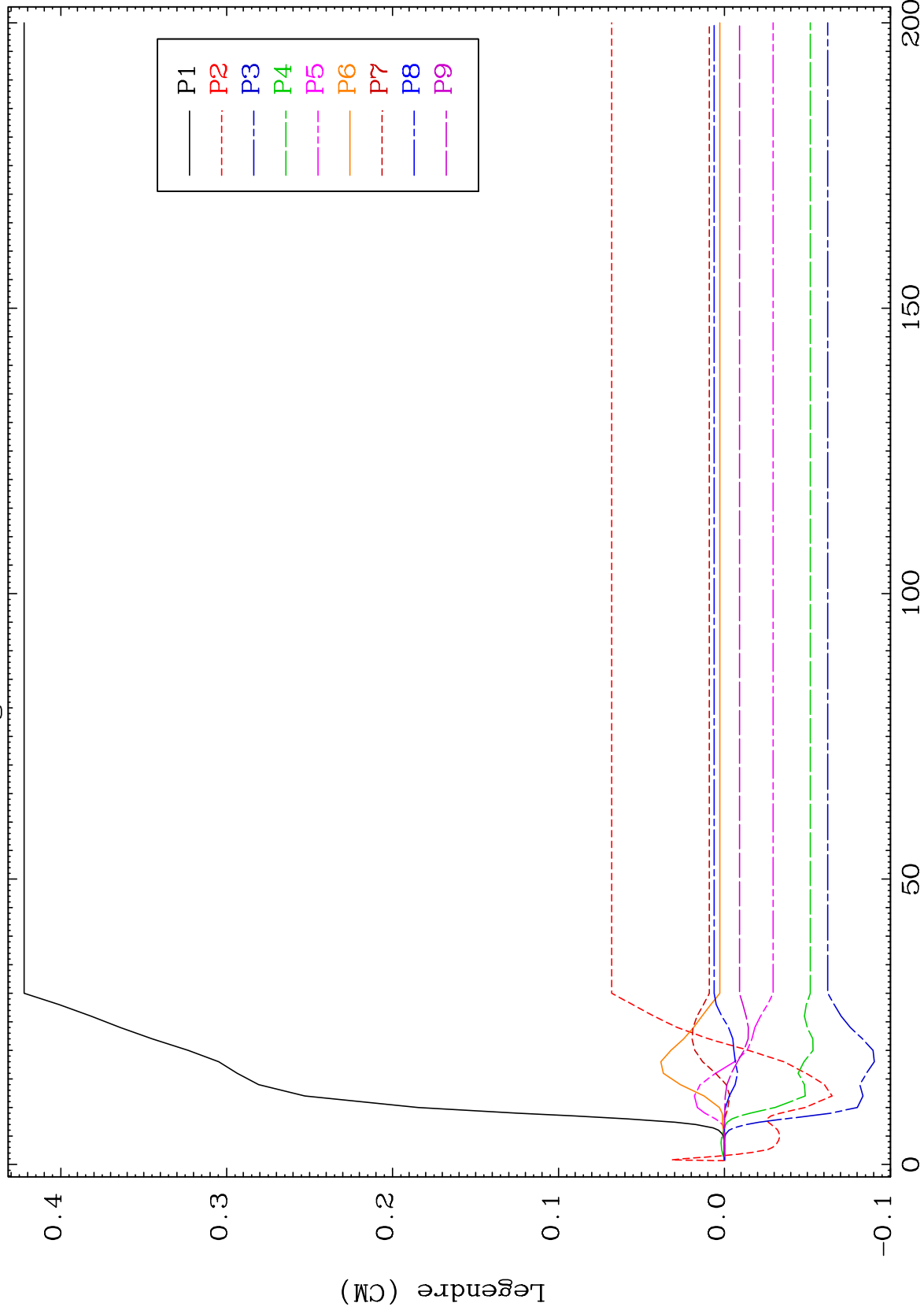
56-Ba-137



MAT 5646

661.7 keV (n,n') Level
Legendre Coefficients

56-Ba-137



24

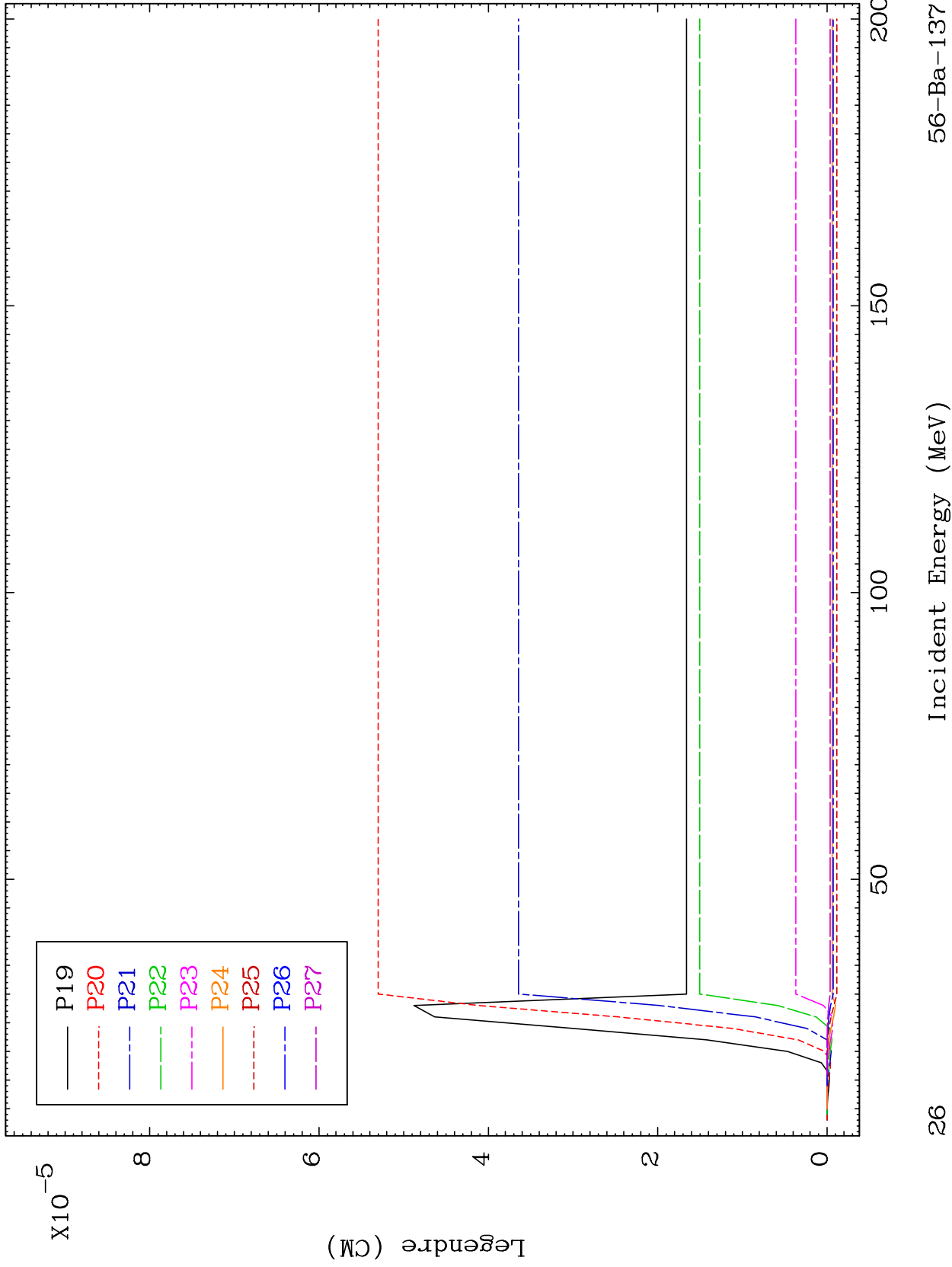
Incident Energy (MeV)

56-Ba-137

MAT 5646

661.7 keV (n,n') Level
Legendre Coefficients

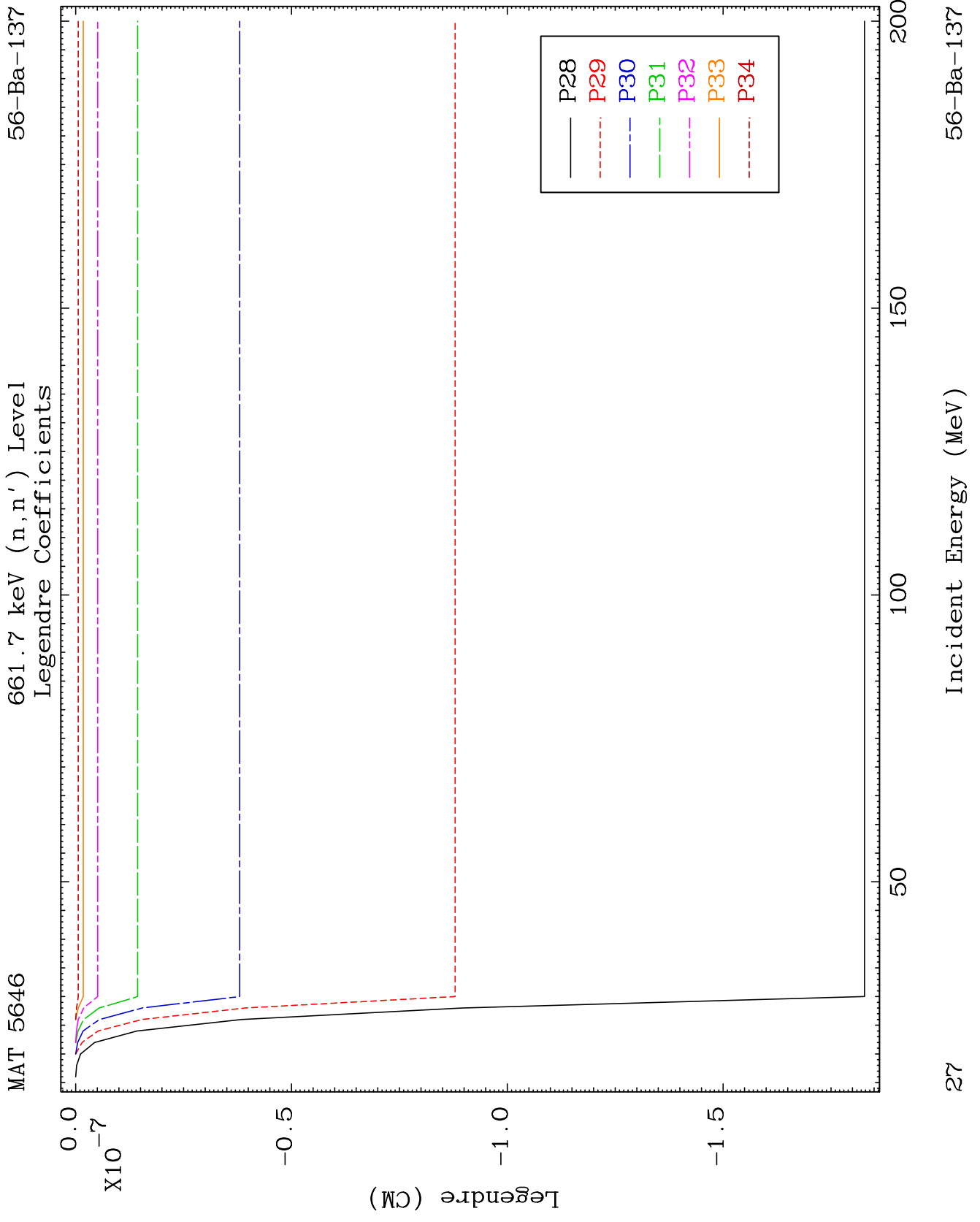
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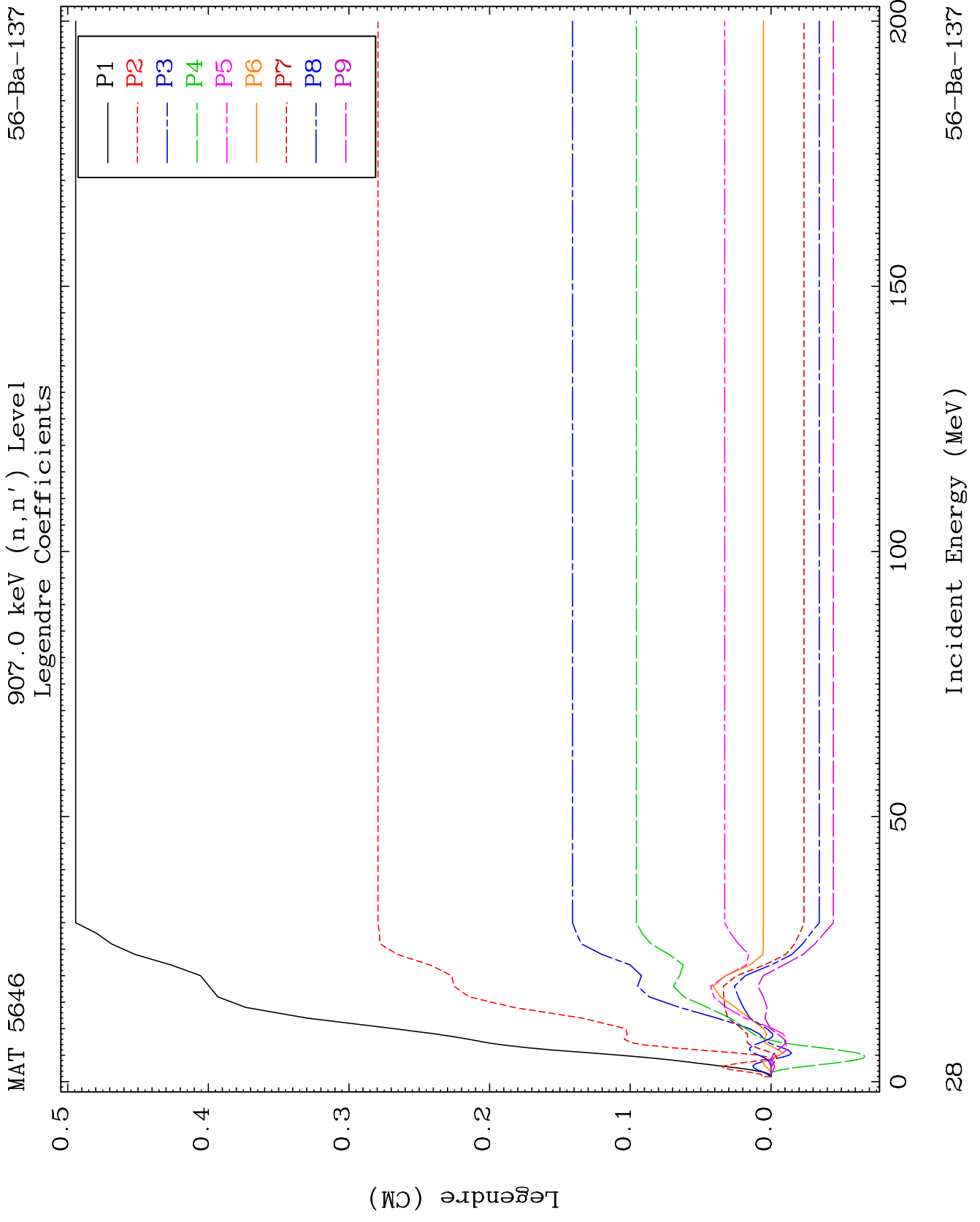


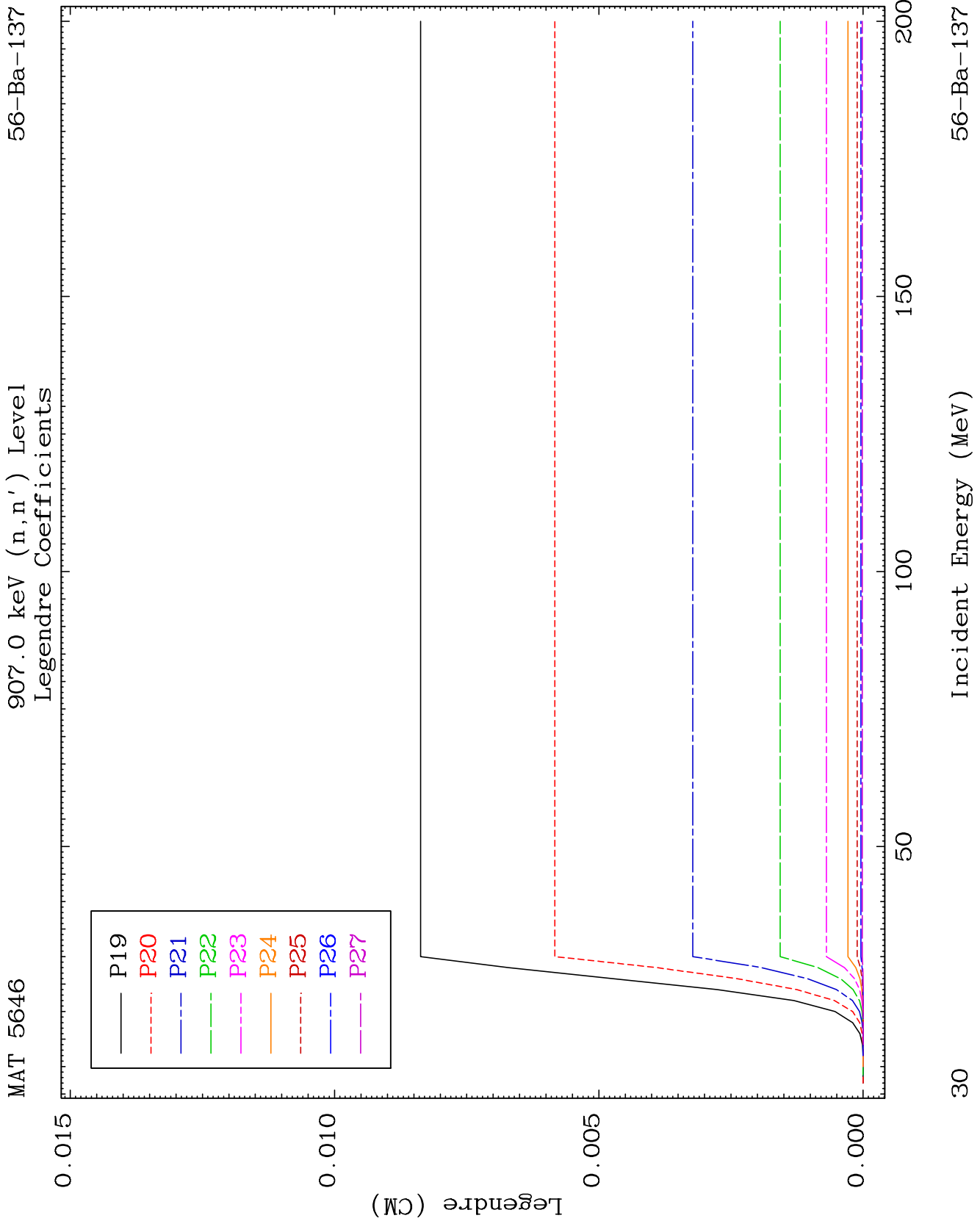
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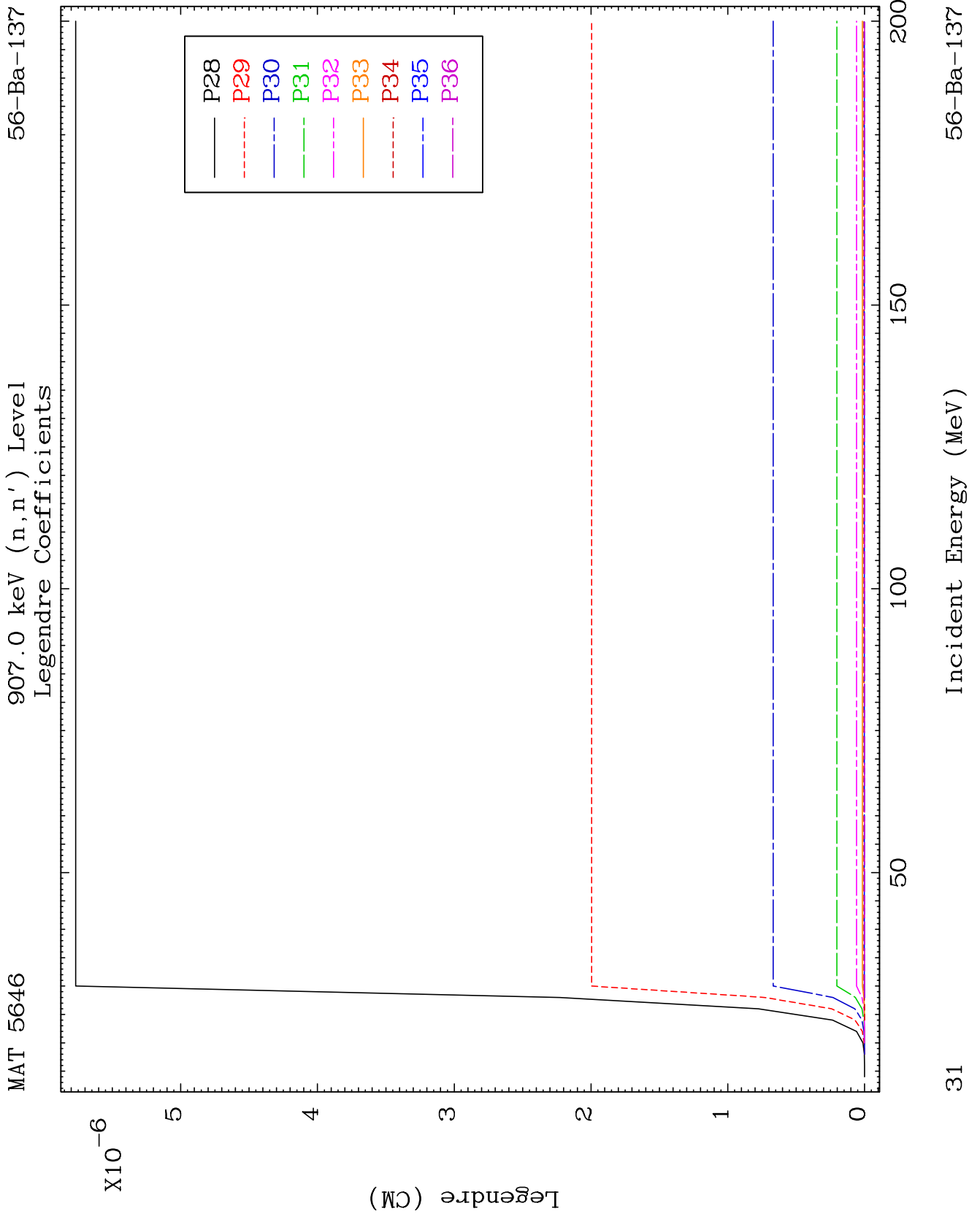
Incident Energy (MeV)

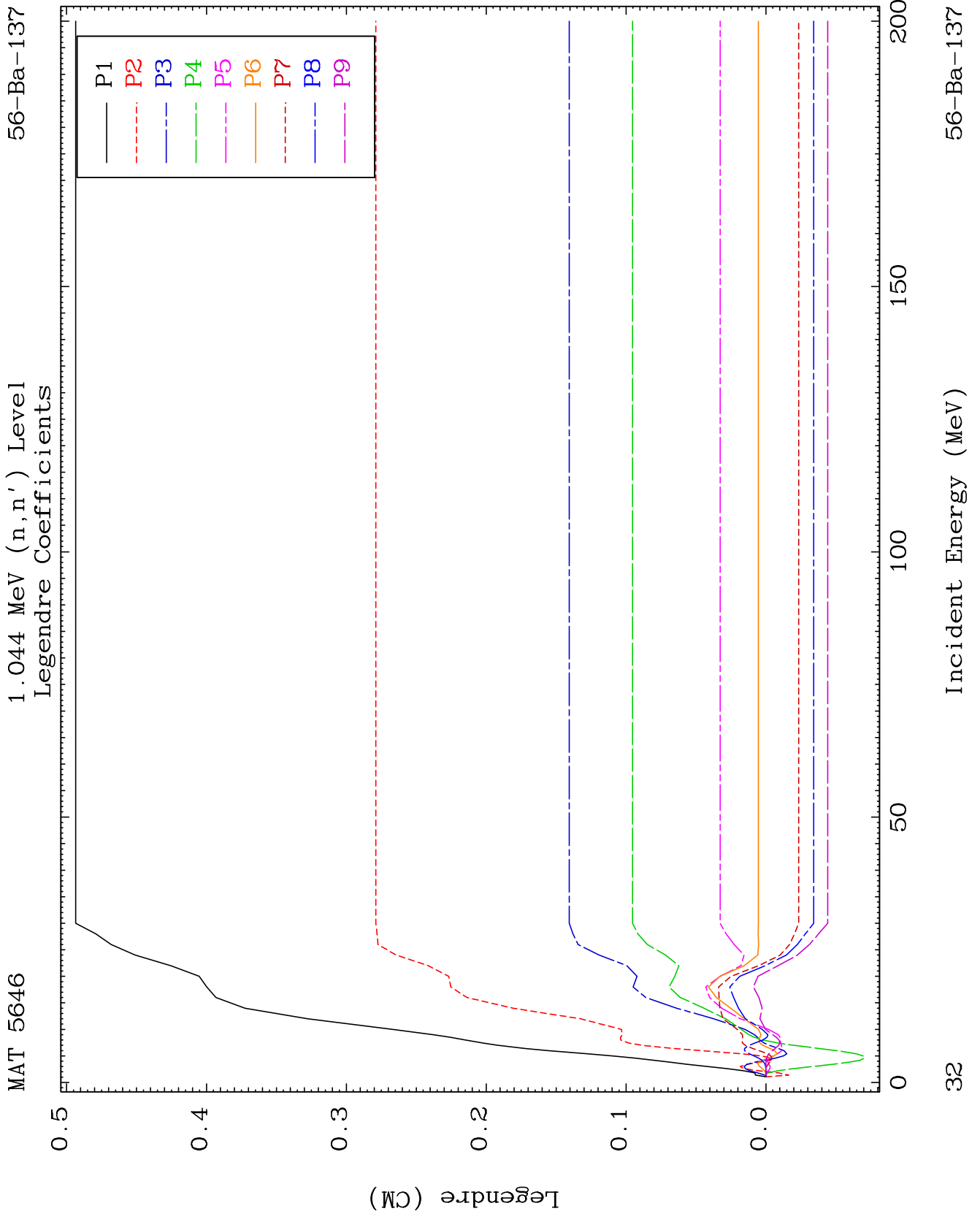
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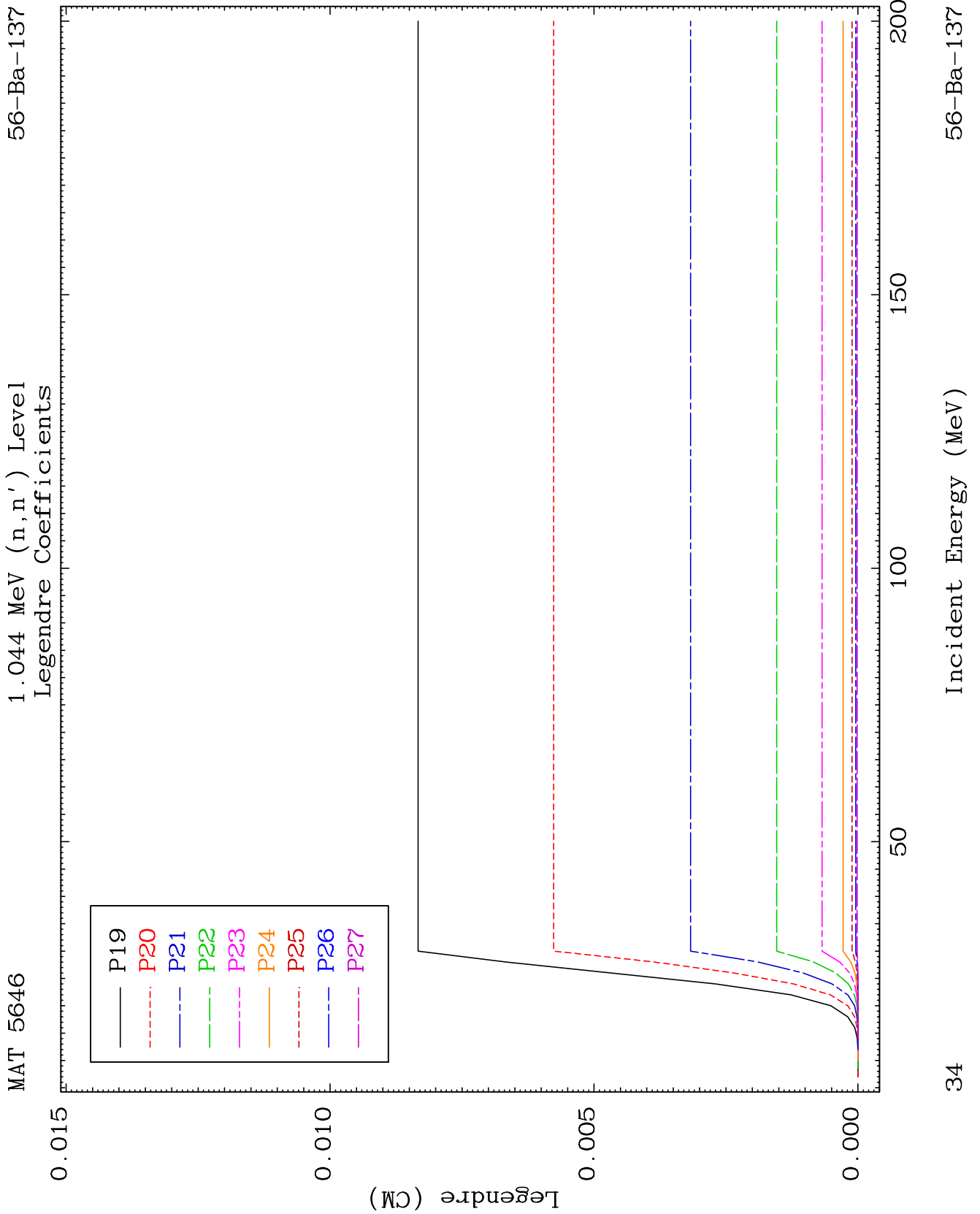


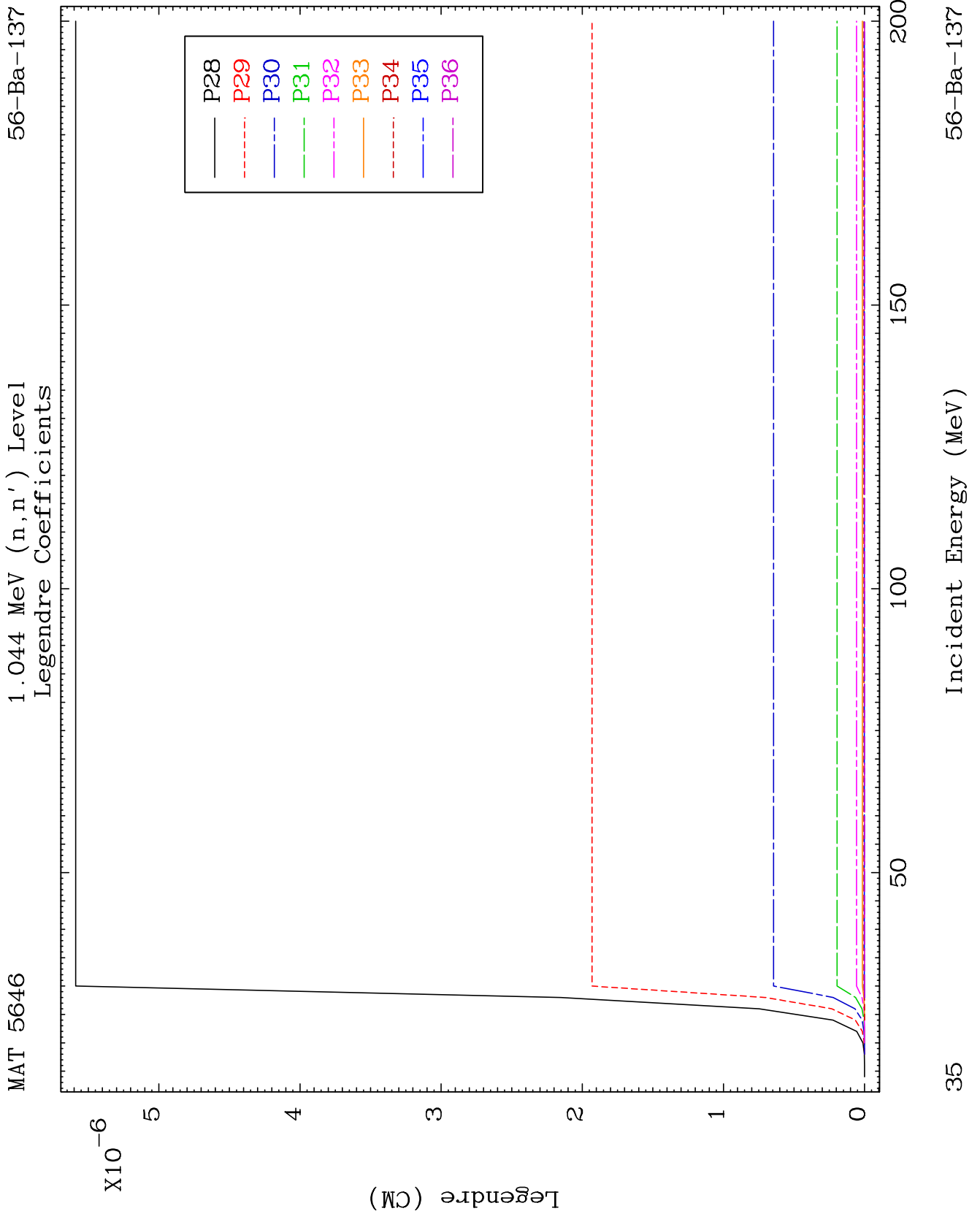


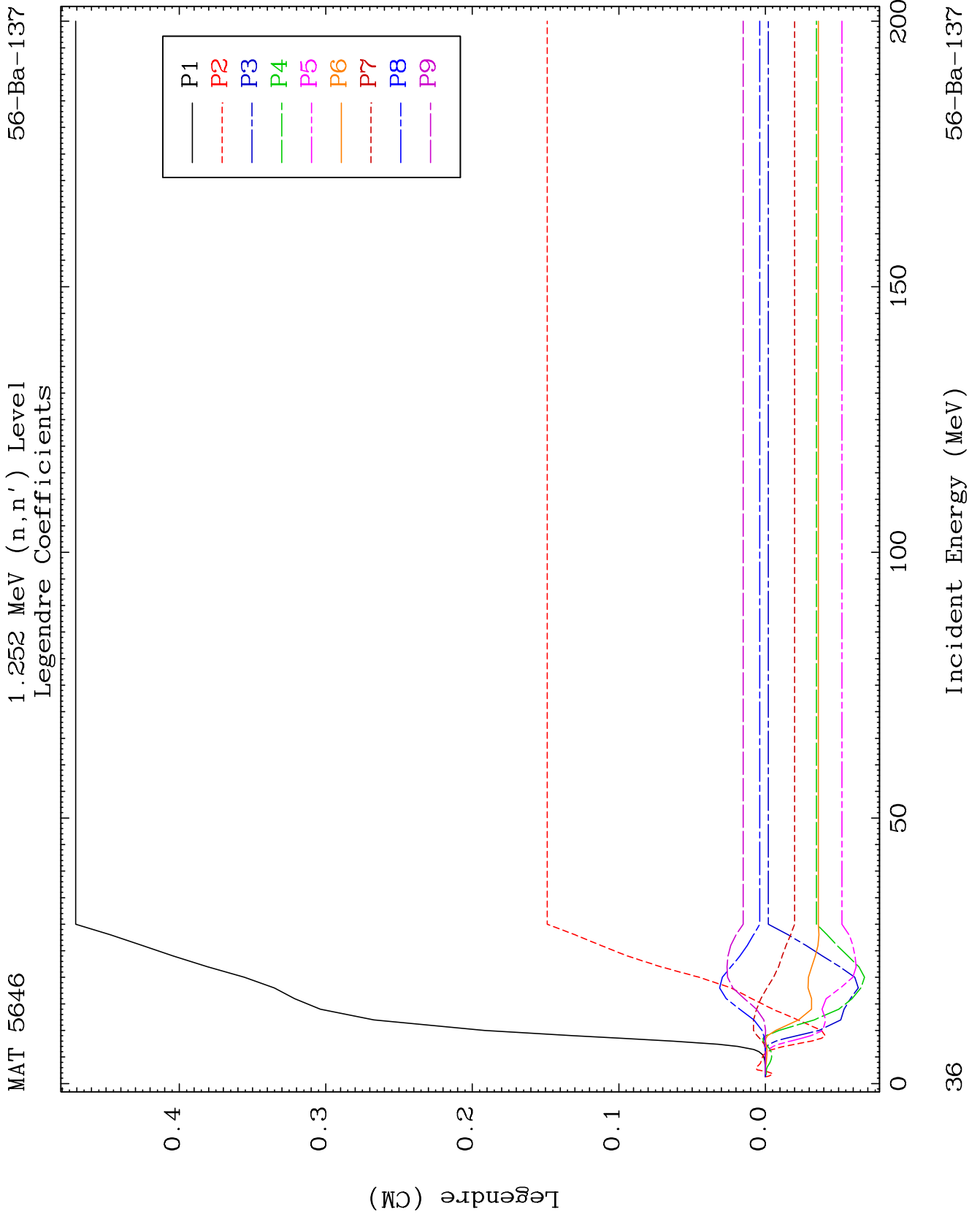


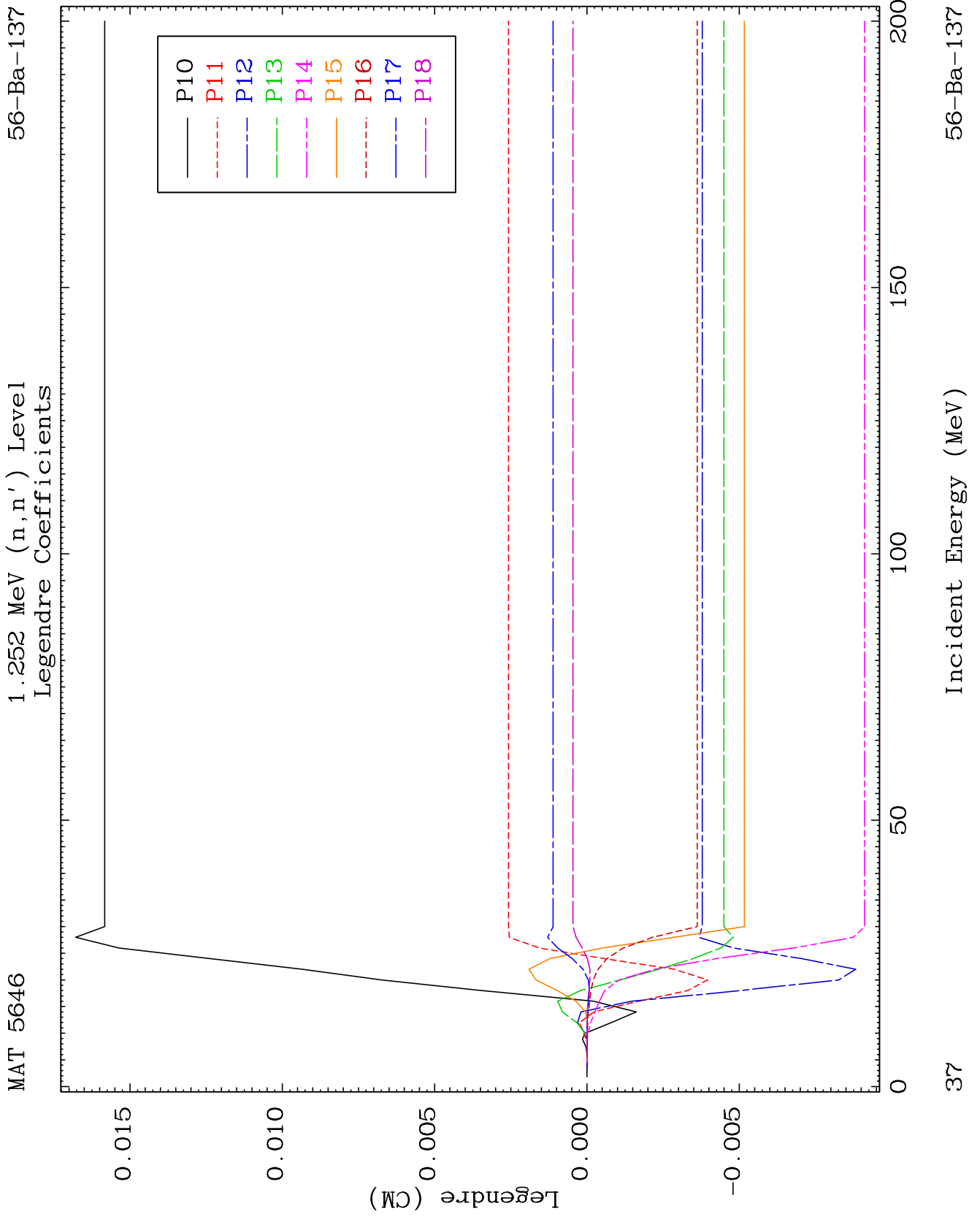


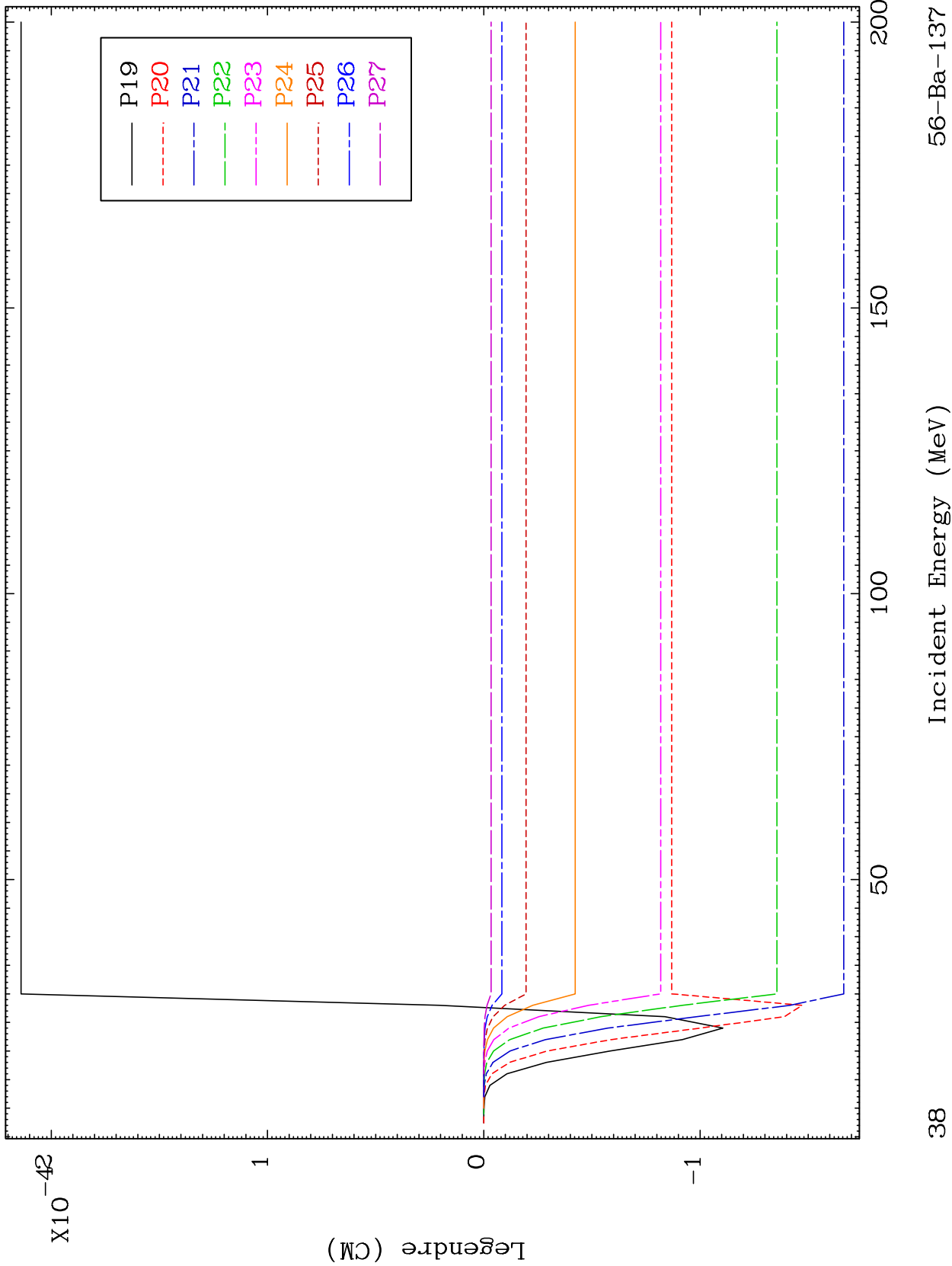


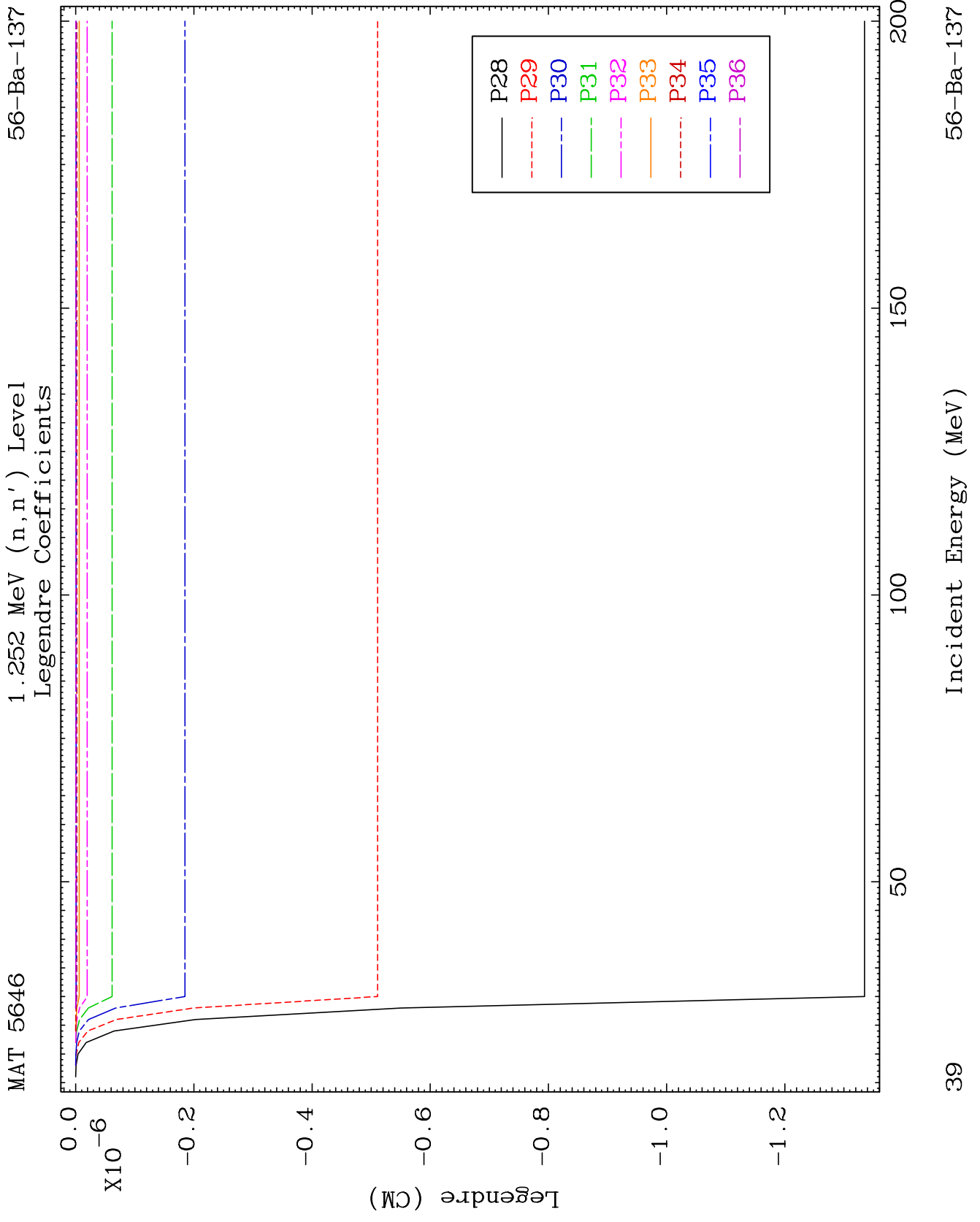


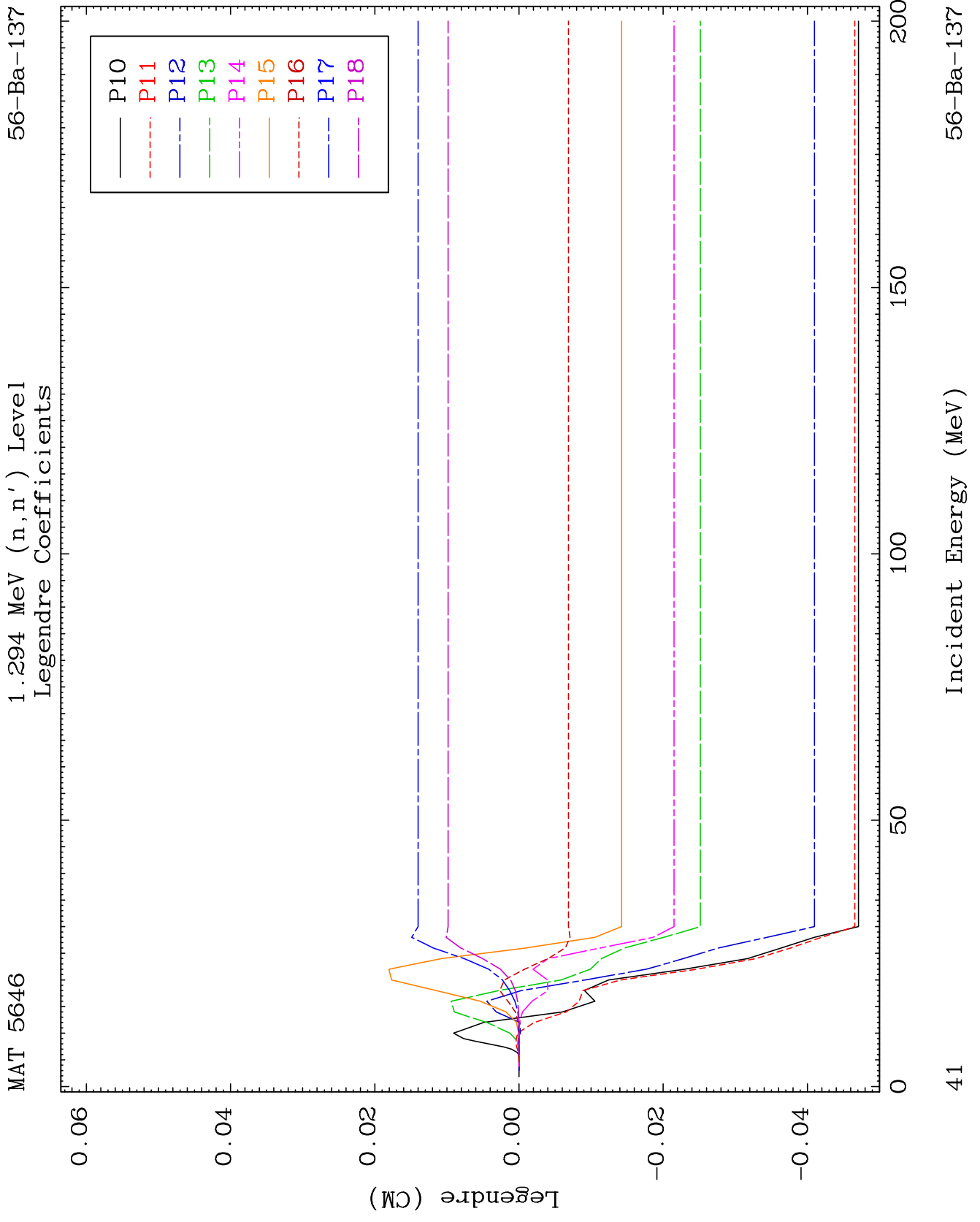








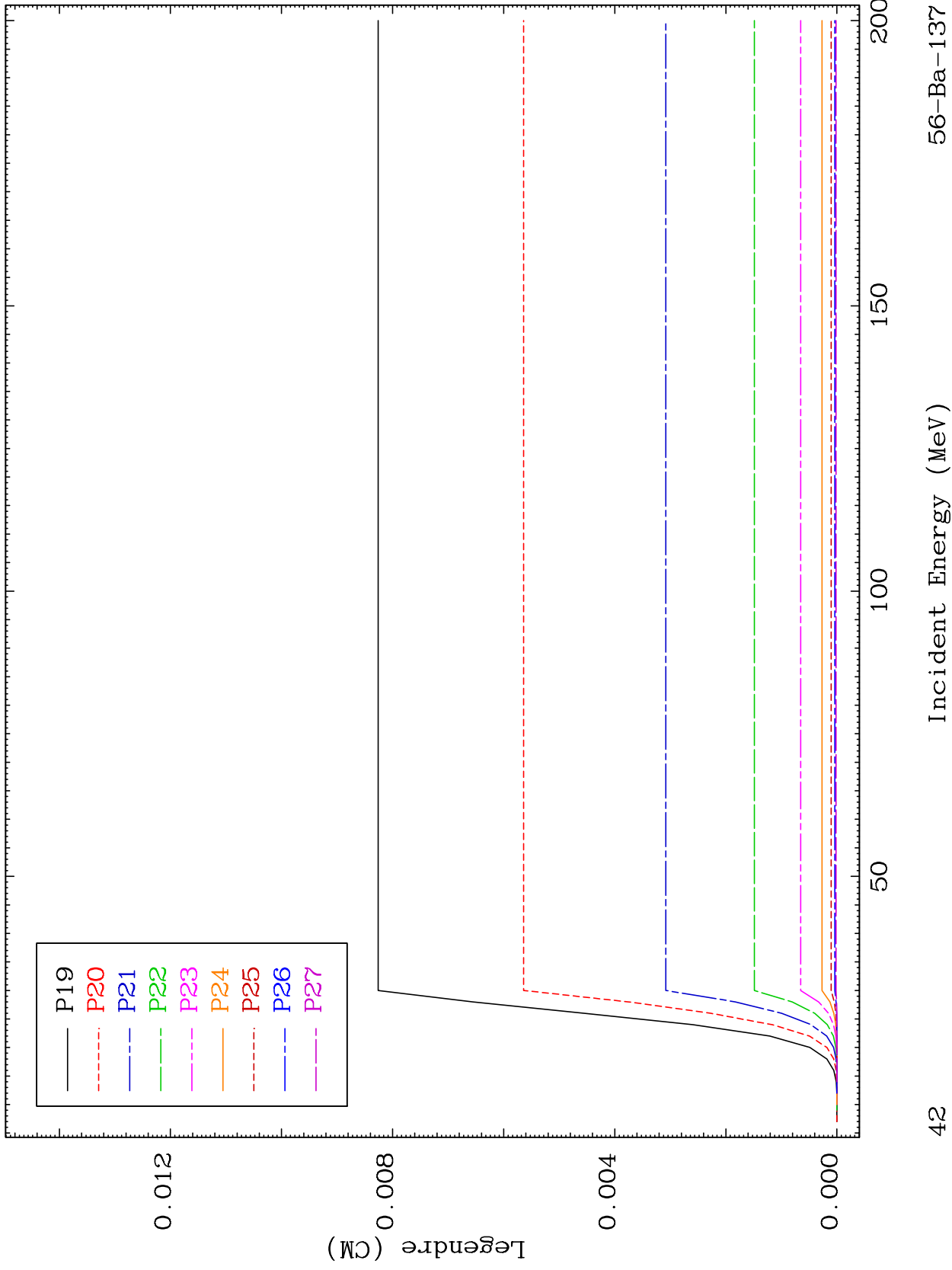




MAT 5646

1.294 MeV (n,n') Level
Legendre Coefficients

56-Ba-137



56-Ba-137

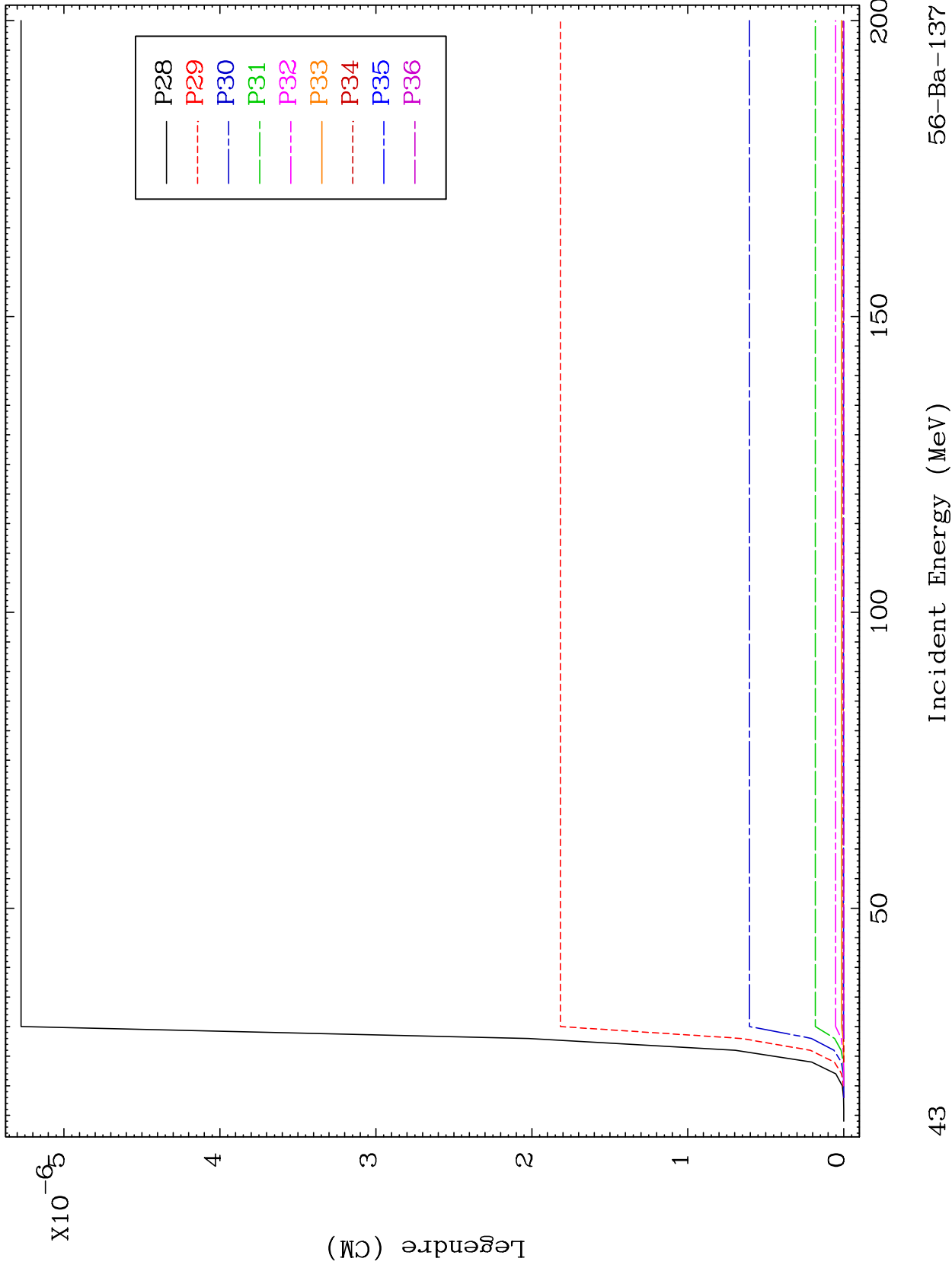
Incident Energy (MeV)

42

MAT 5646

1.294 MeV (n, n') Level
Legendre Coefficients

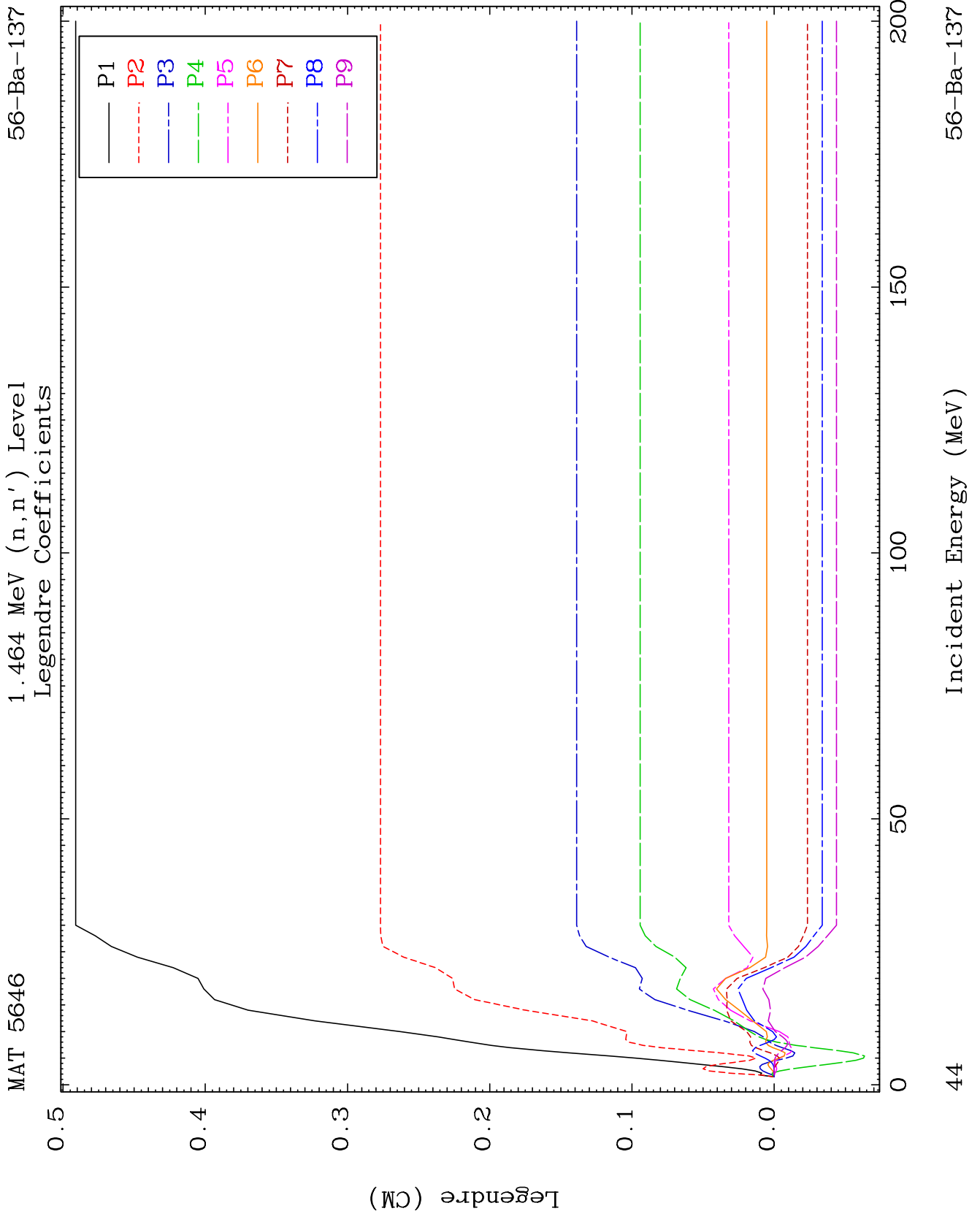
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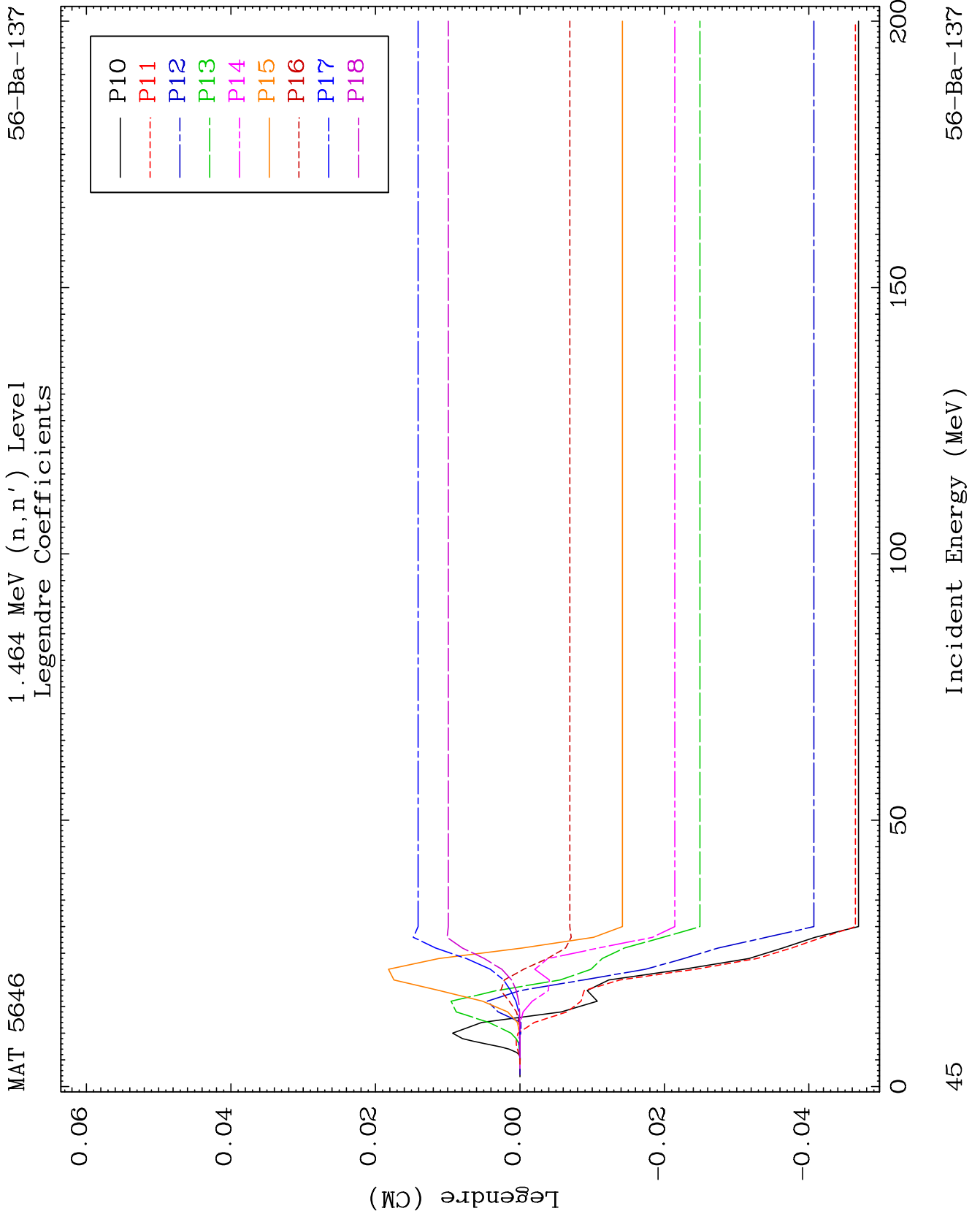


43

Incident Energy (MeV)

56-Ba-137

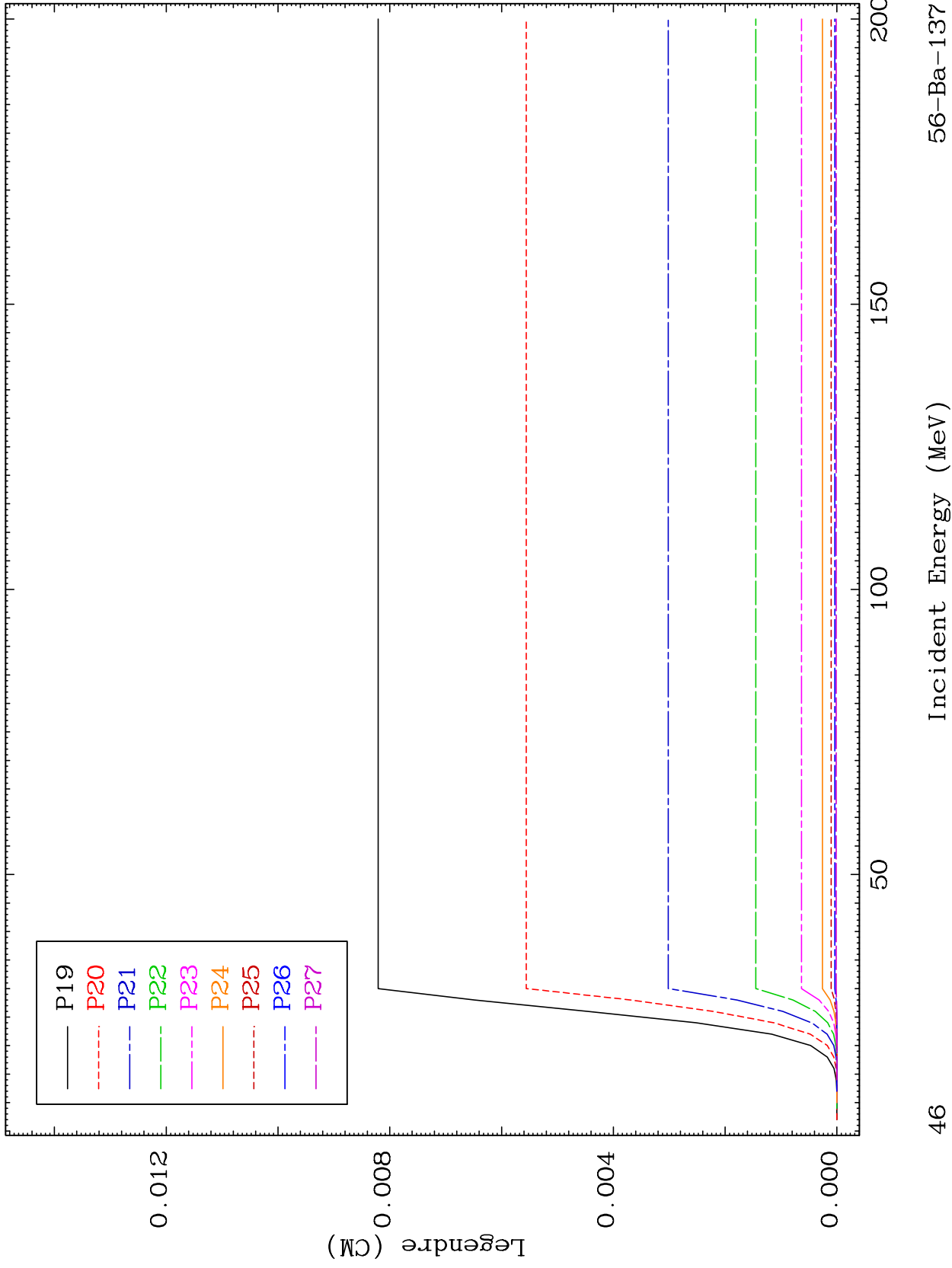




MAT 5646

1.464 MeV (n,n') Level
Legendre Coefficients

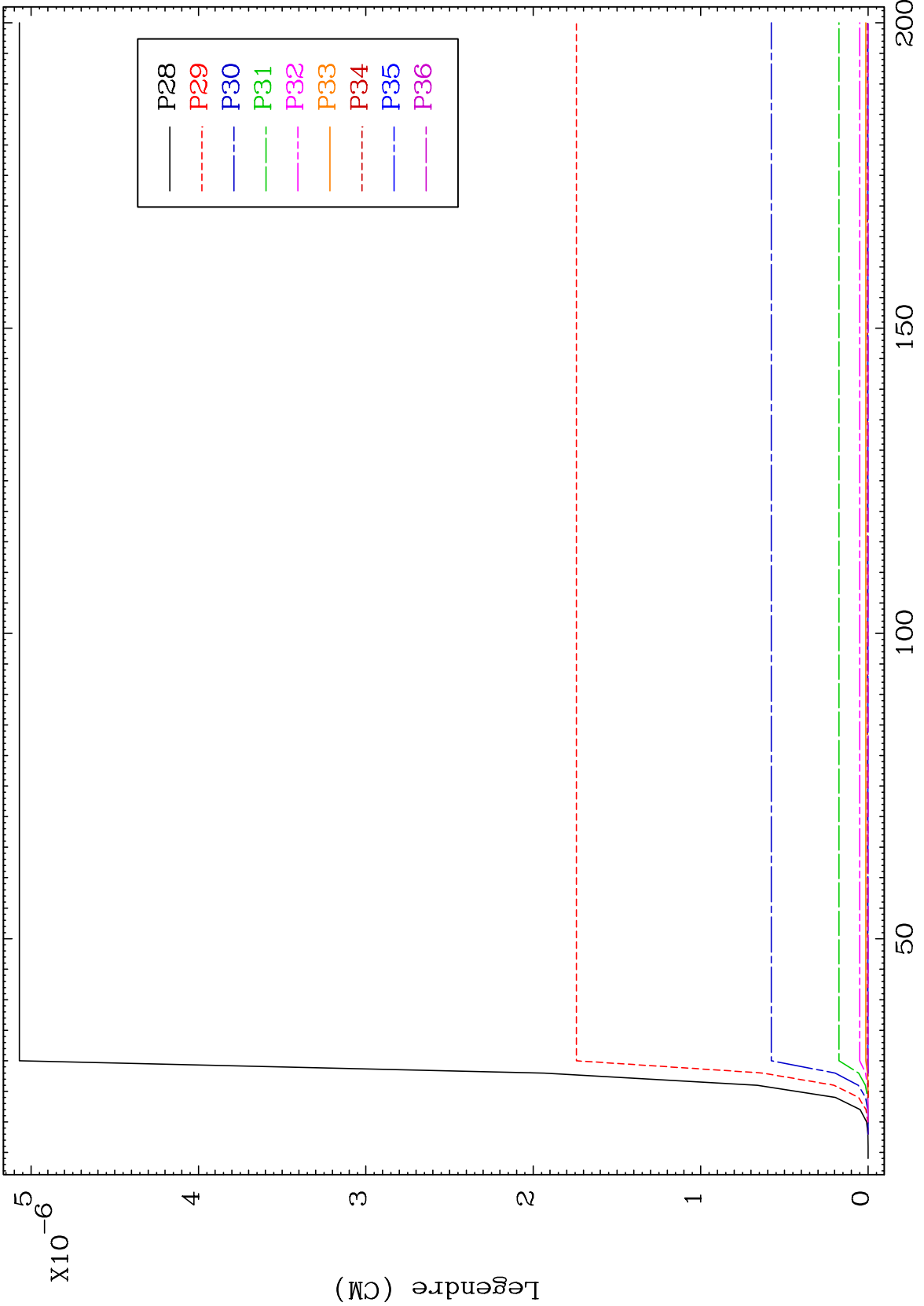
56-Ba-137

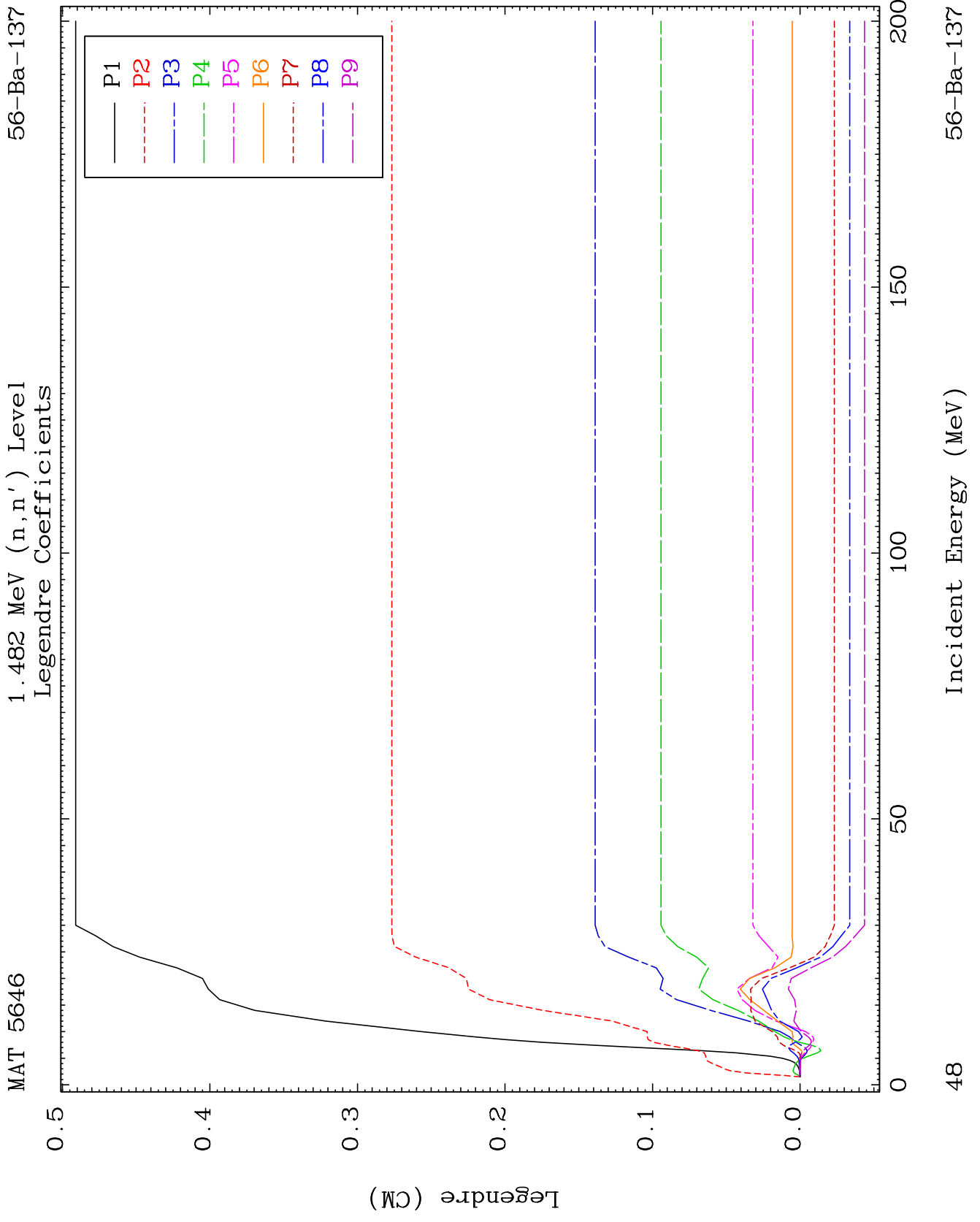


46

Incident Energy (MeV)

56-Ba-137

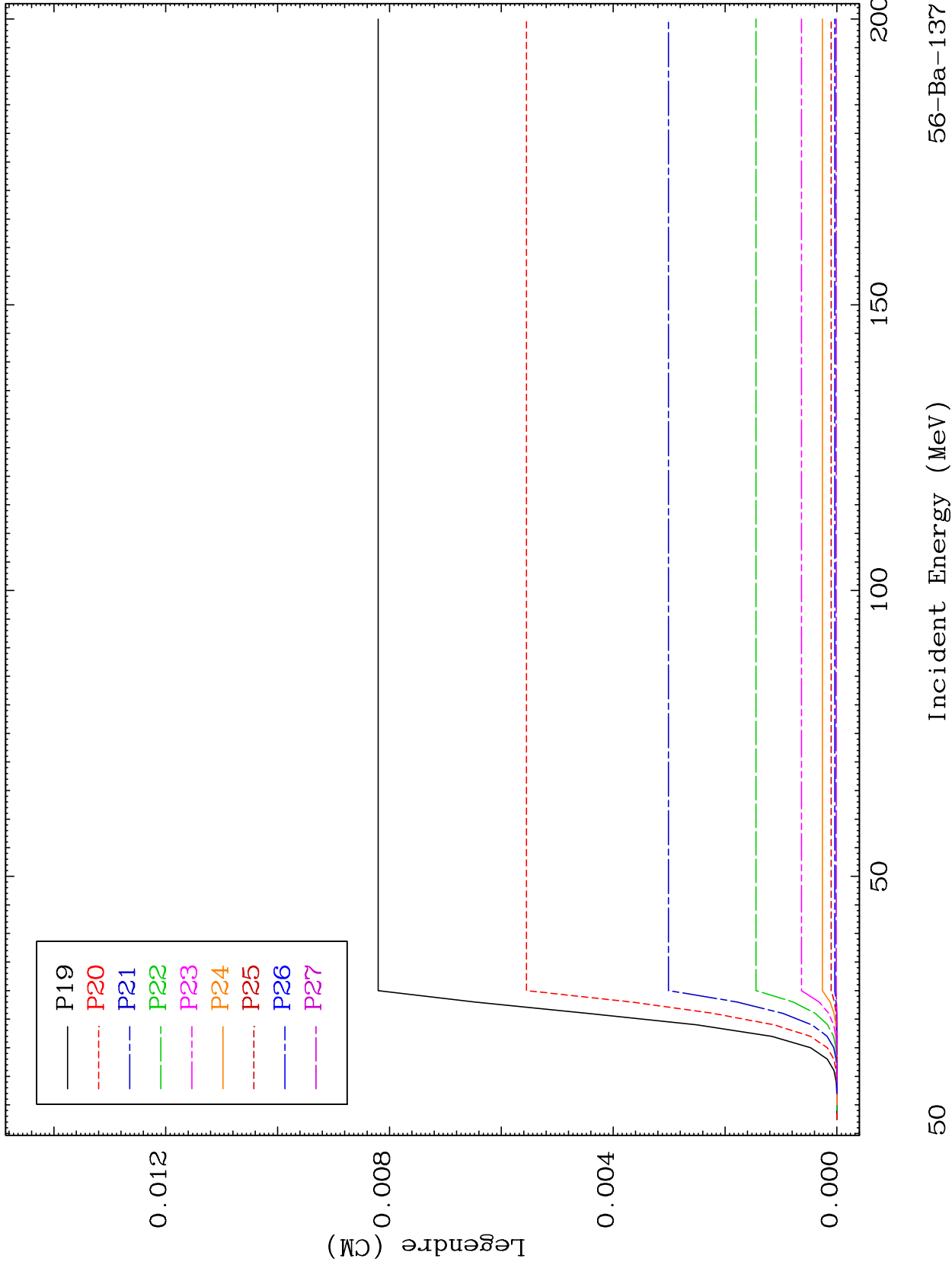




MAT 5646

1.482 MeV (n,n') Level
Legendre Coefficients

56-Ba-137



56-Ba-137

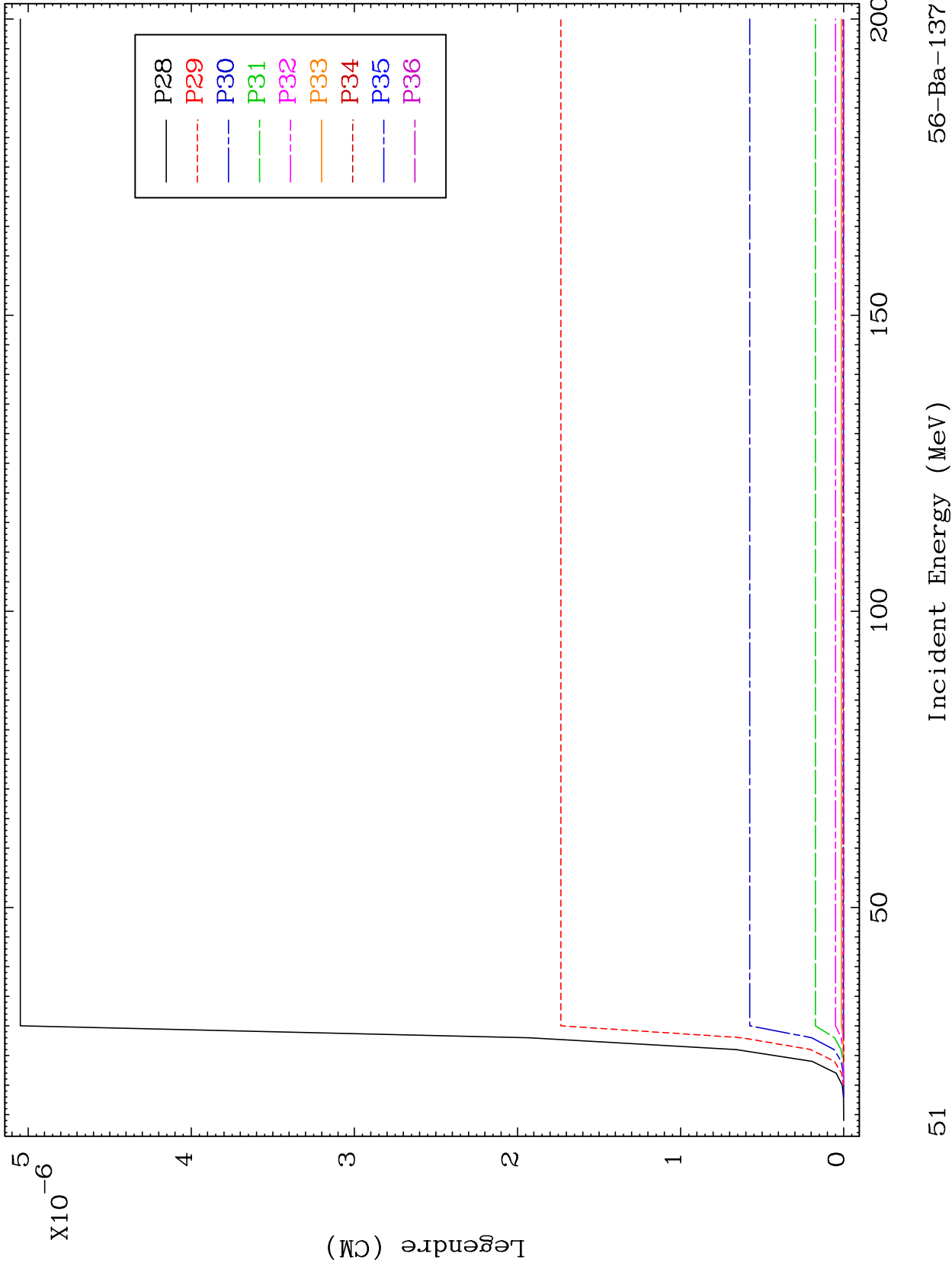
Incident Energy (MeV)

50

MAT 5646

1.482 MeV (n, n') Level
Legendre Coefficients

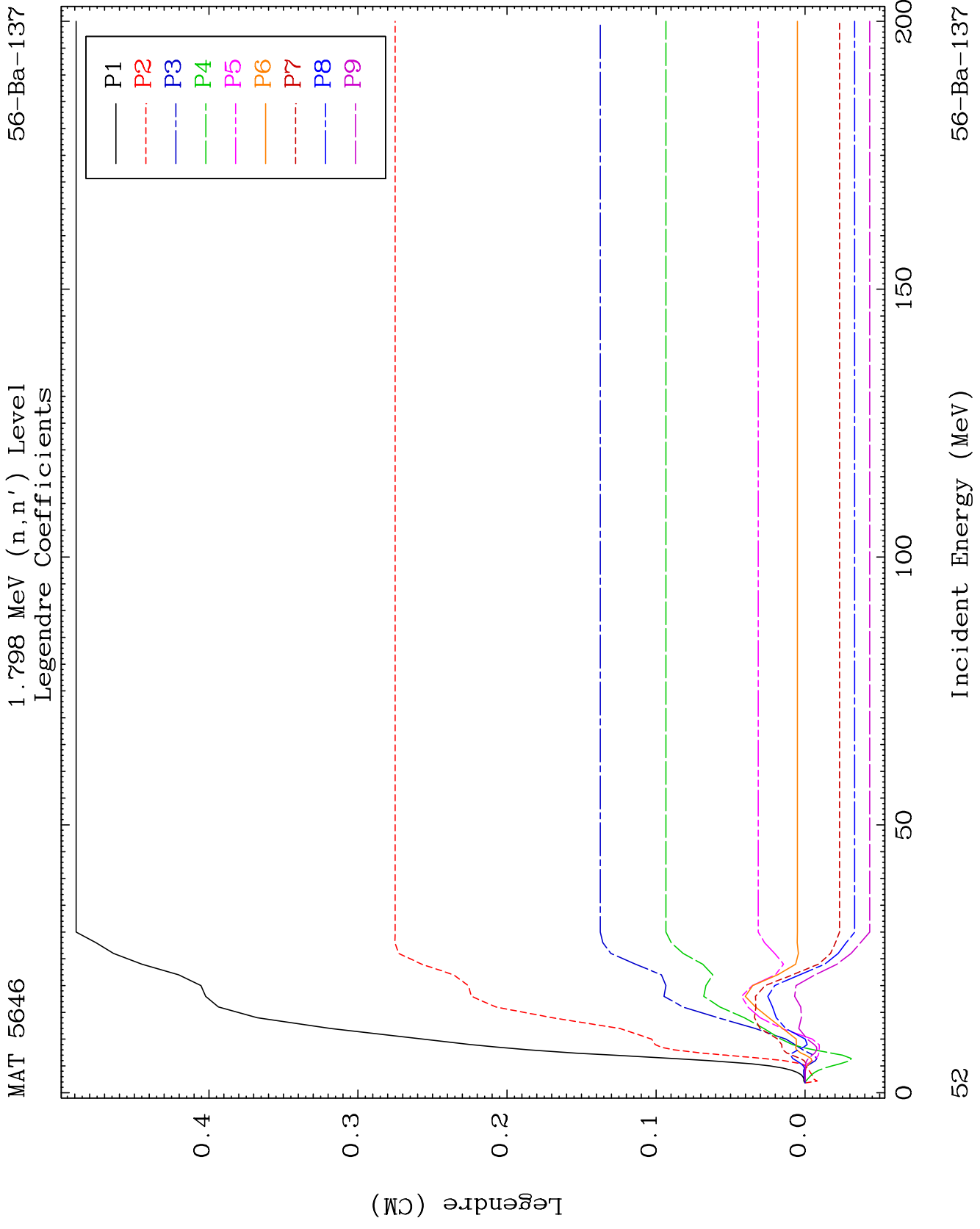
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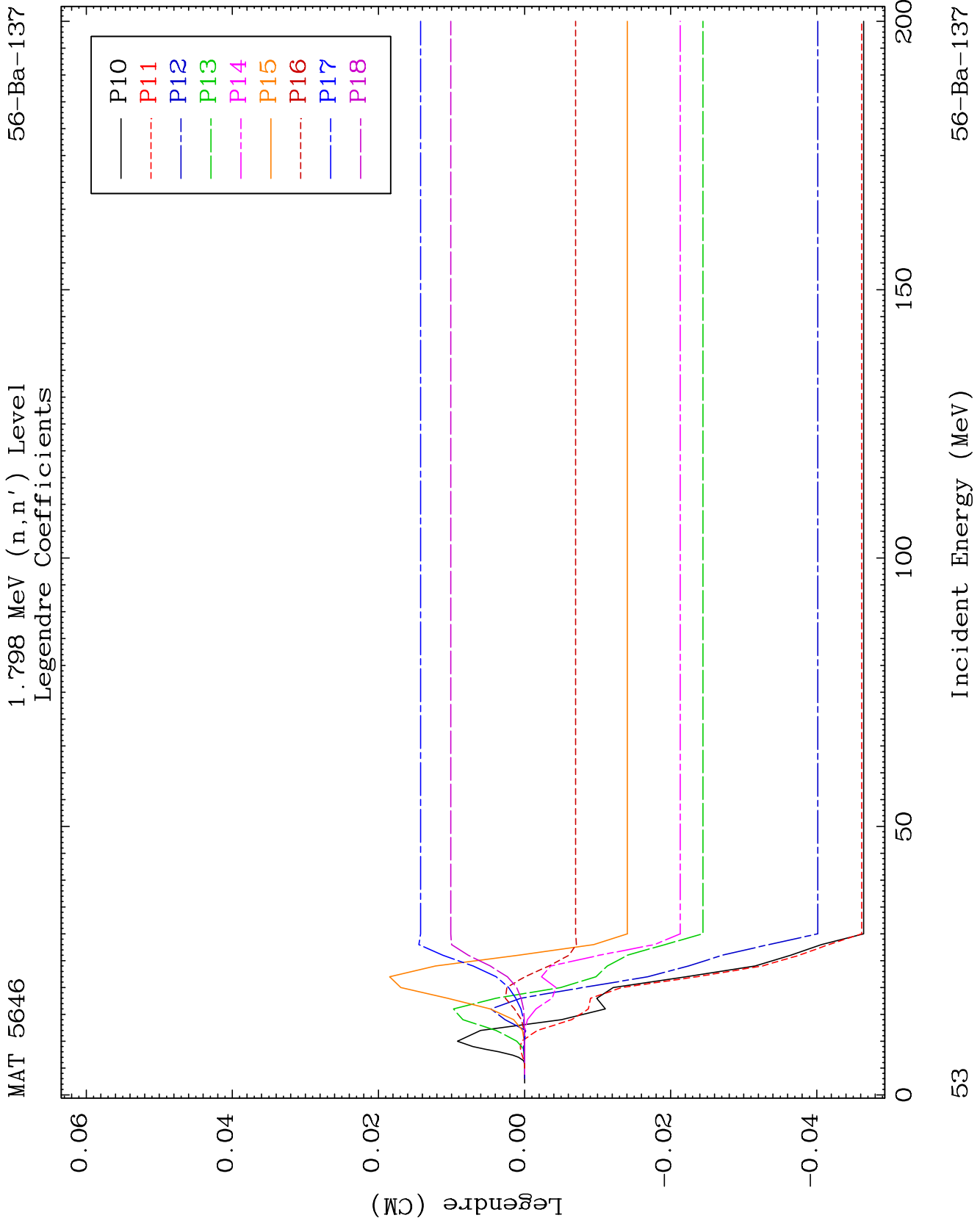


51

Incident Energy (MeV)

56-Ba-137

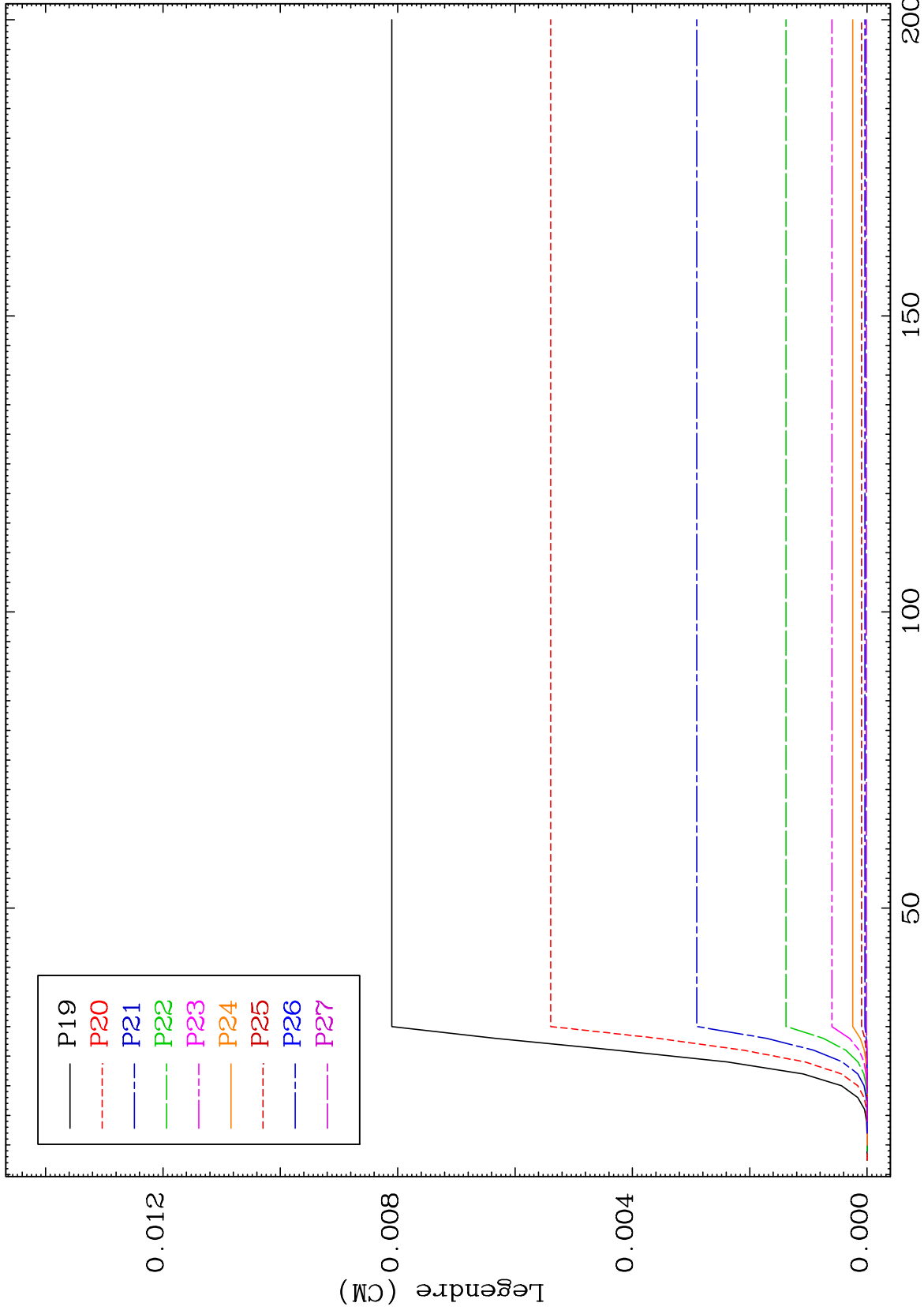




MAT 5646

1.798 MeV (n,n') Level
Legendre Coefficients

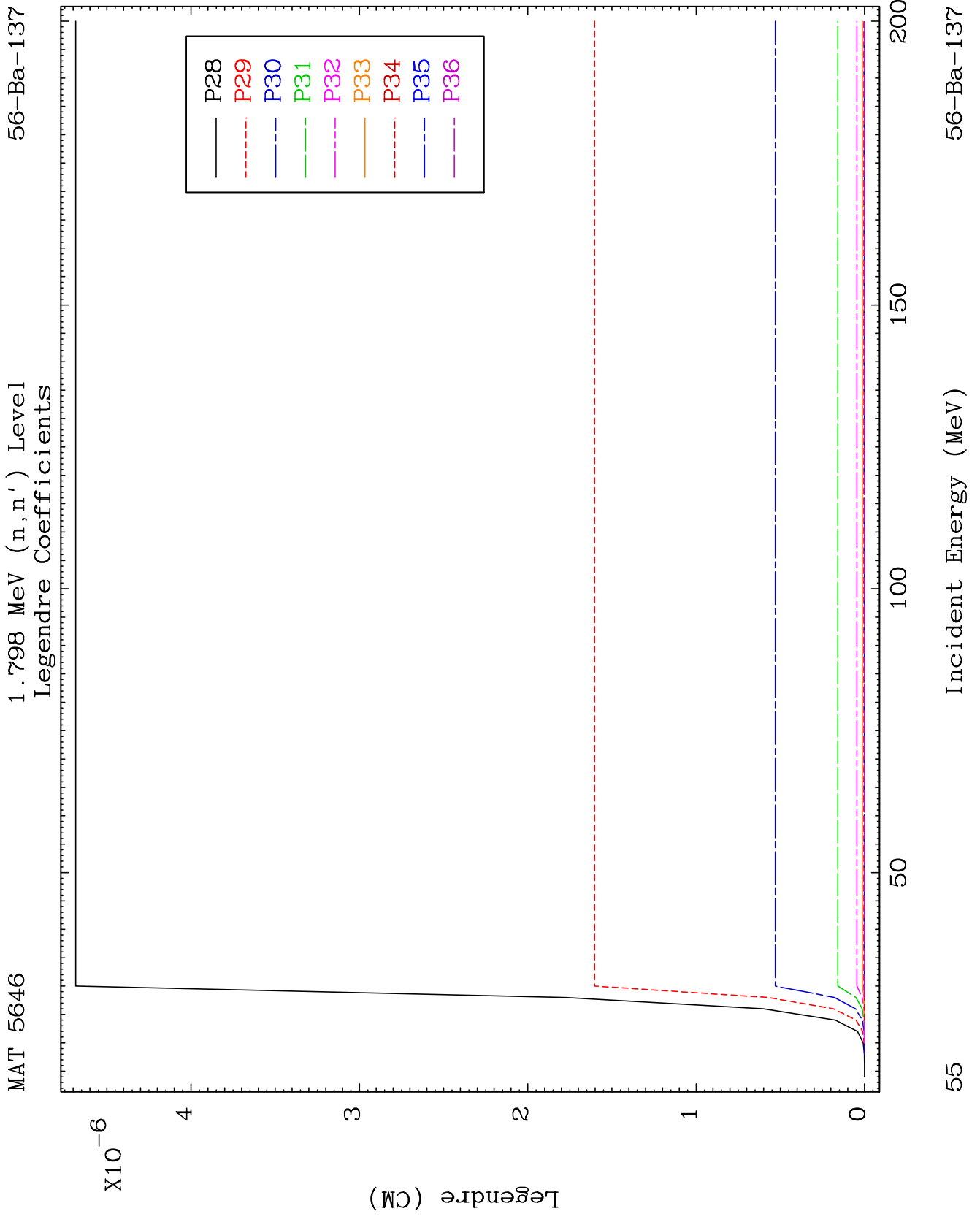
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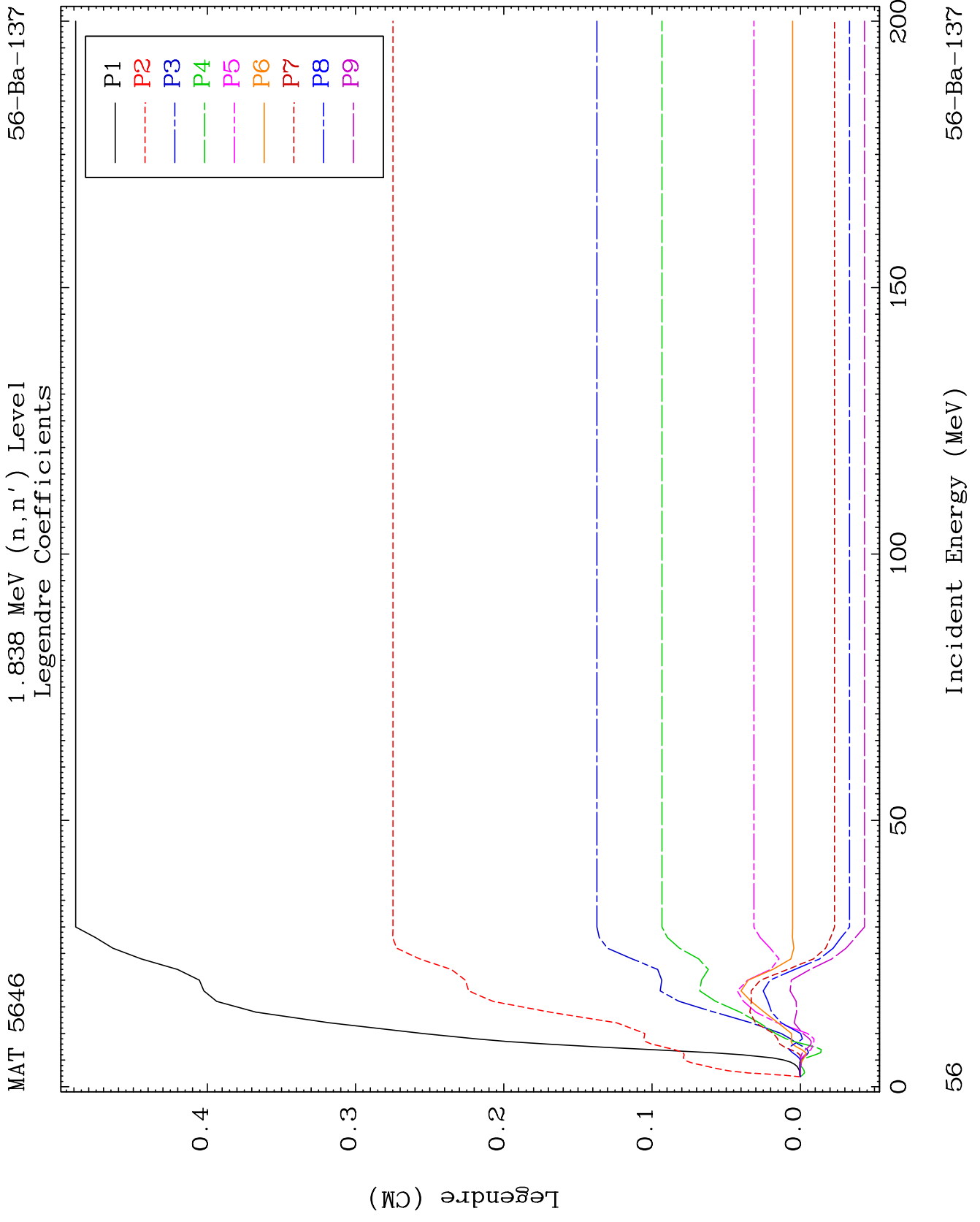


54

Incident Energy (MeV)

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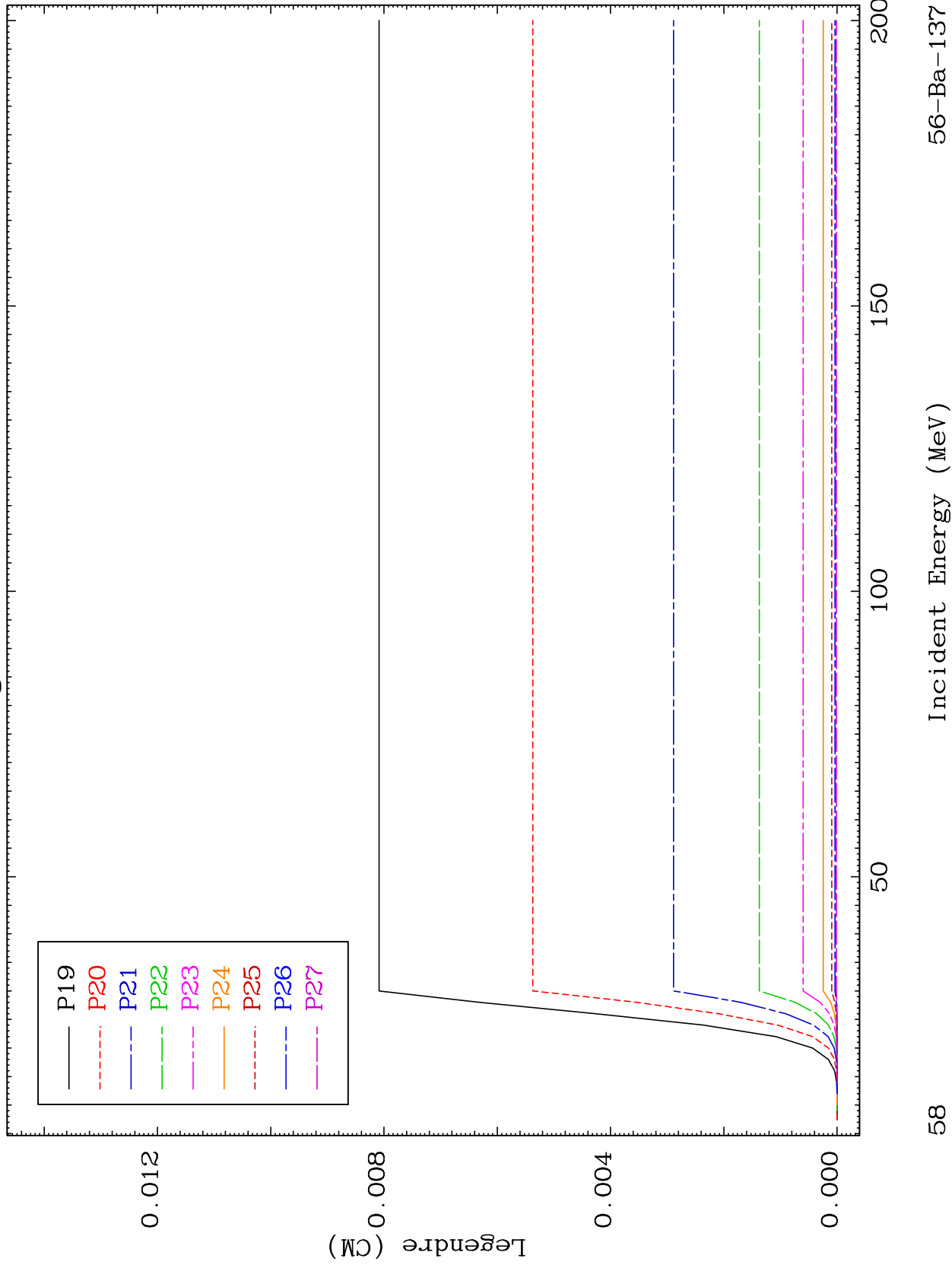




MAT 5646

1.838 MeV (n,n') Level
Legendre Coefficients

56-Ba-137



58

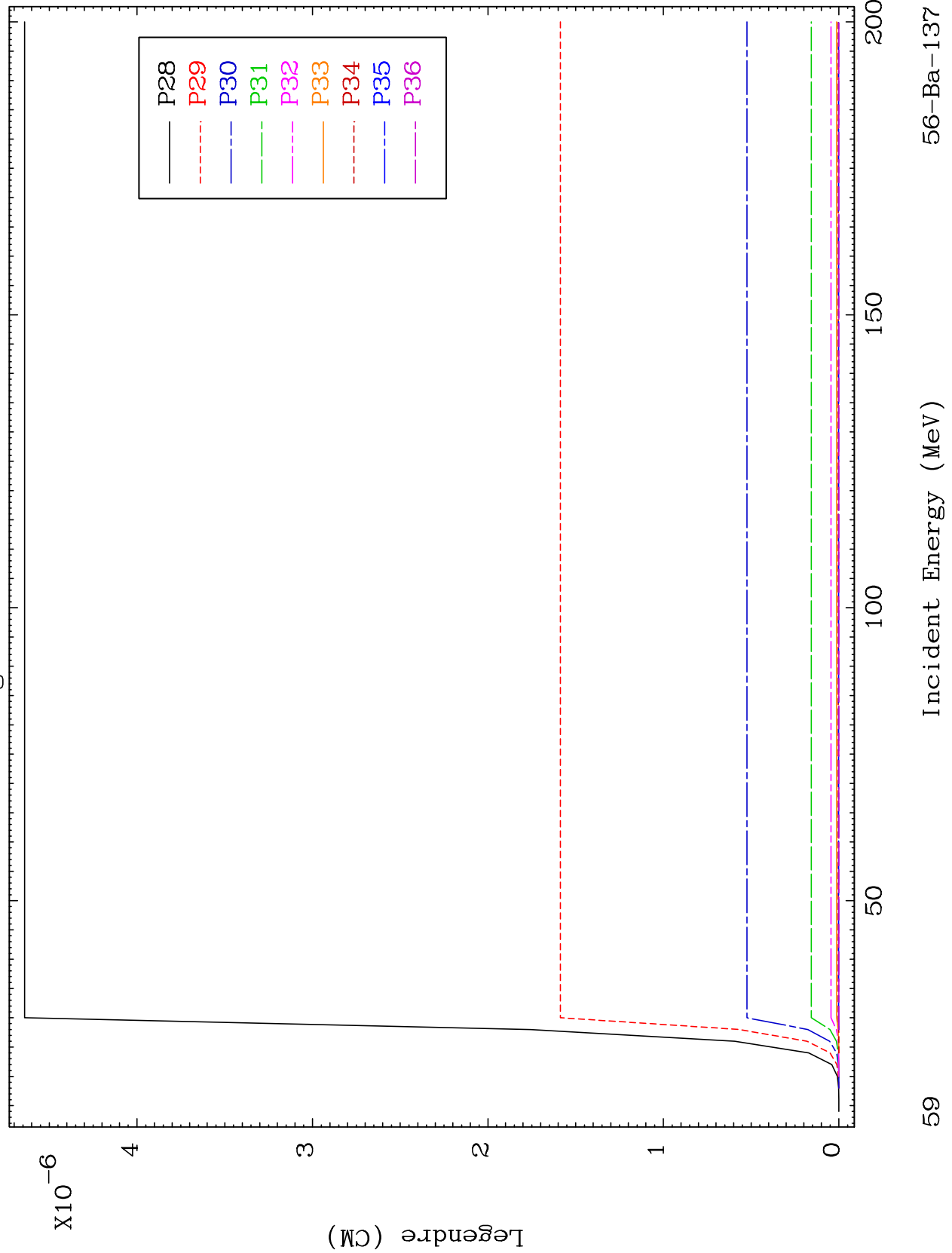
Incident Energy (MeV)

56-Ba-137

MAT 5646

1.838 MeV (n,n') Level
Legendre Coefficients

56-Ba-137



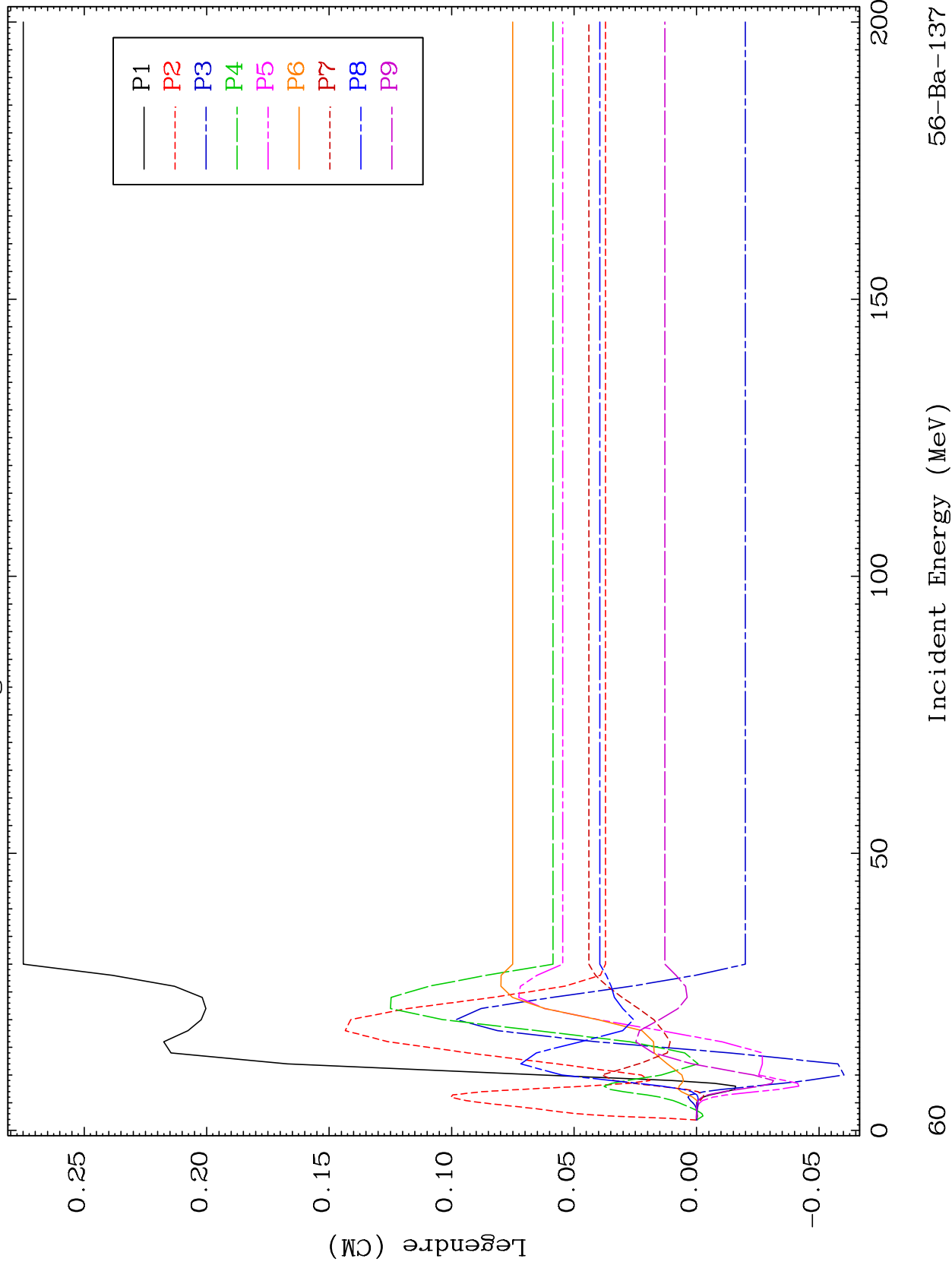
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56-Ba-137

MAT 5646

1.857 MeV (n,n') Level
Legendre Coefficients

56-Ba-137



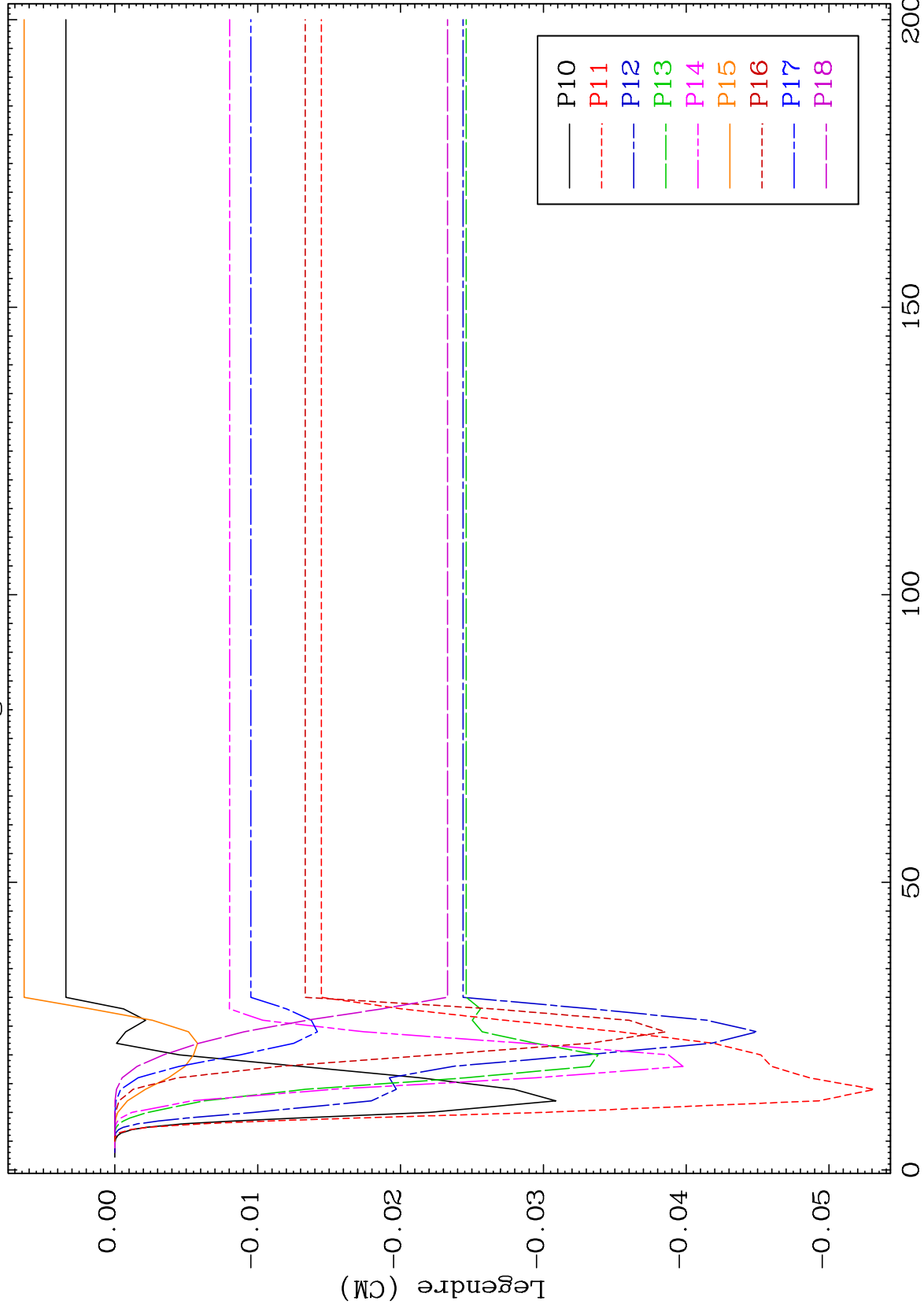
56-Ba-137

Incident Energy (MeV)

MAT 5646

1.857 MeV (n,n') Level
Legendre Coefficients

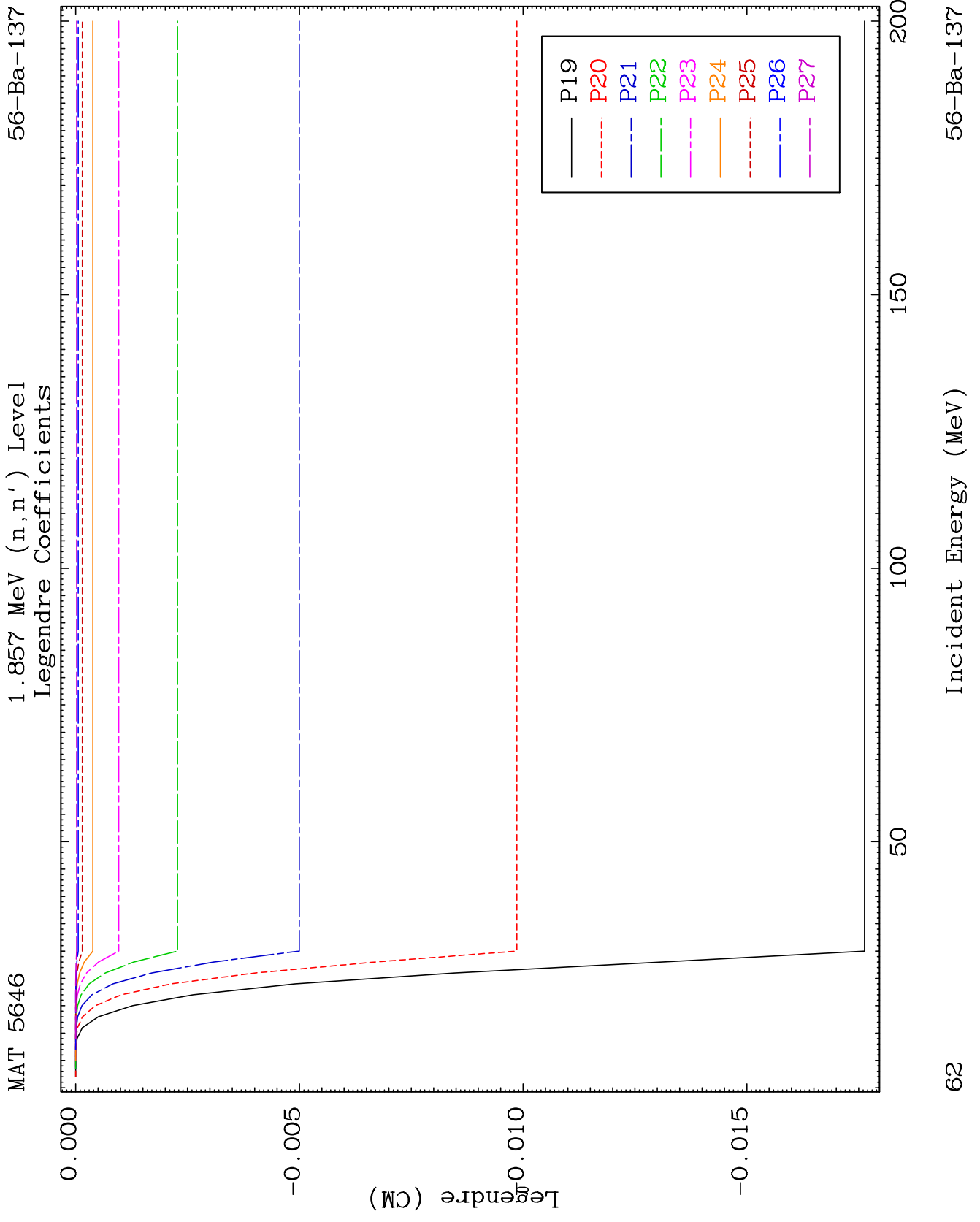
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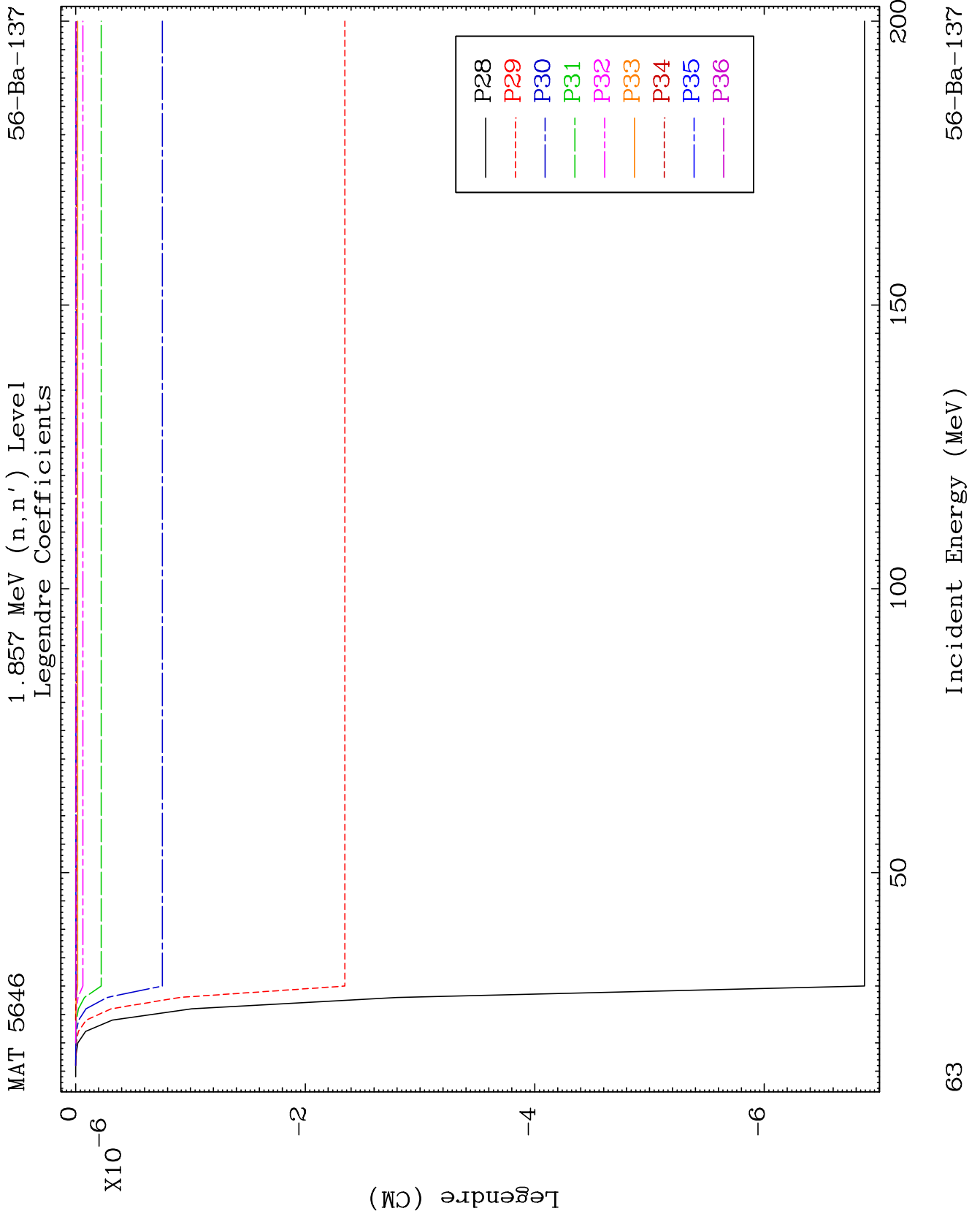


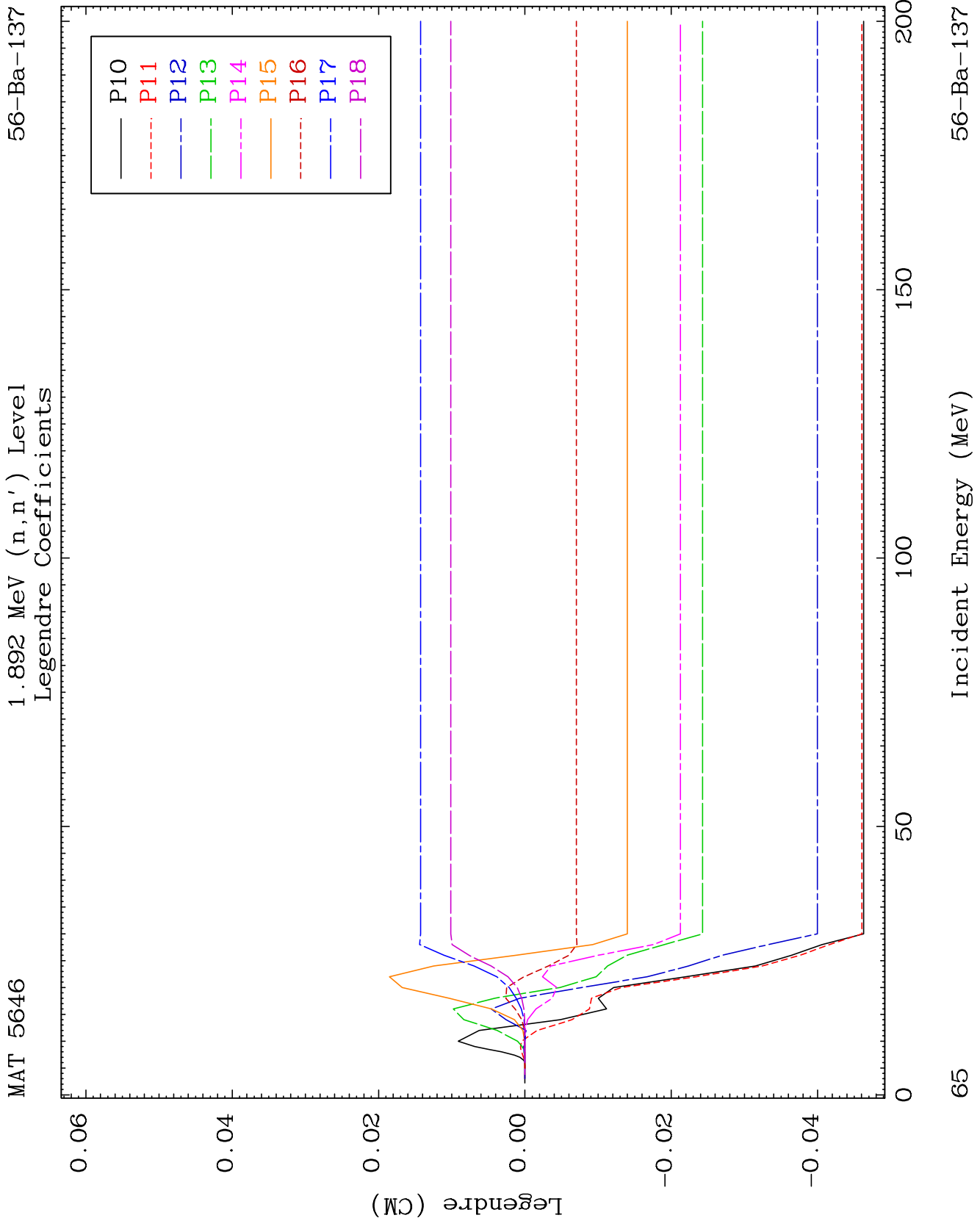
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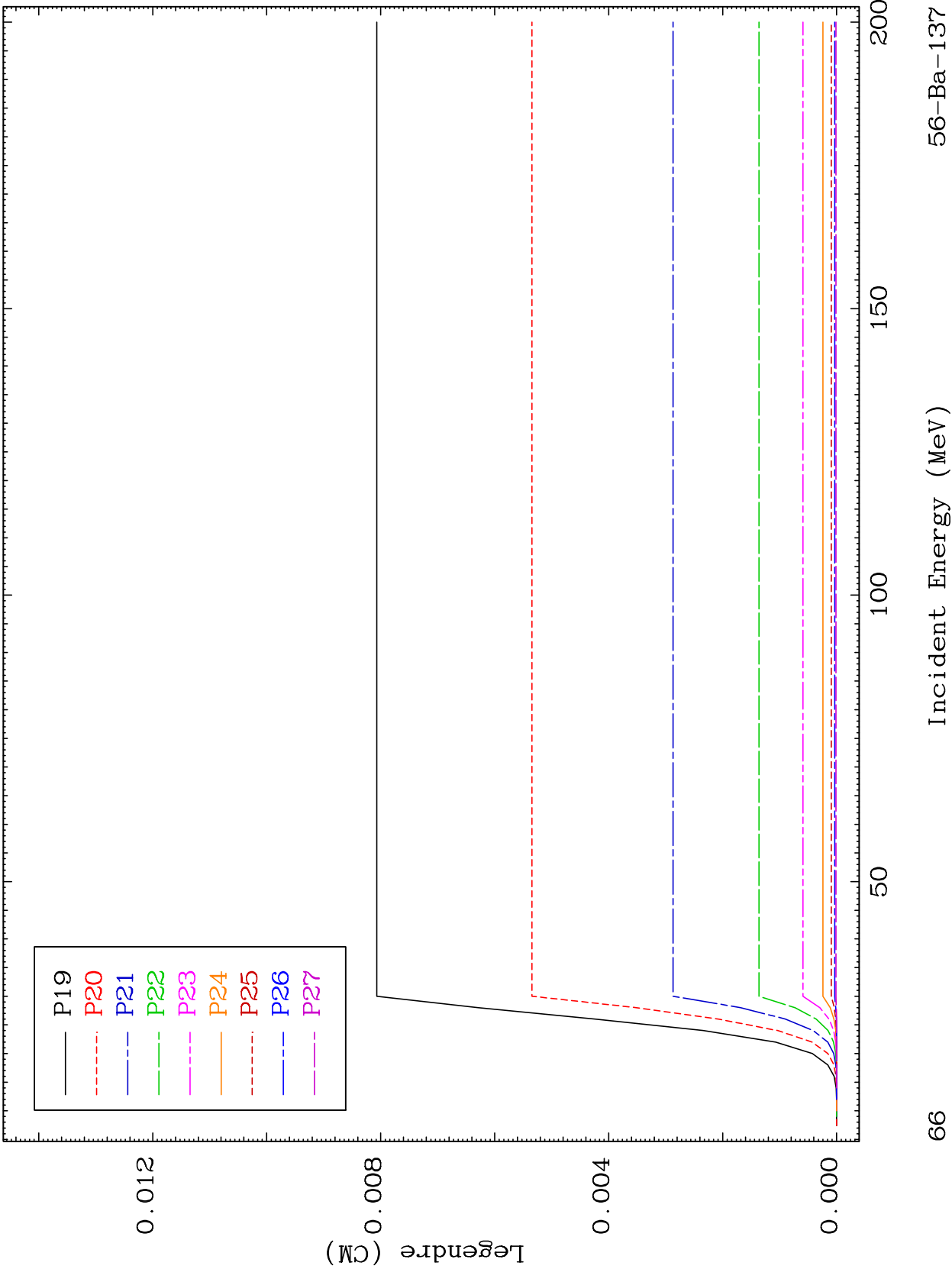
Incident Energy (MeV)

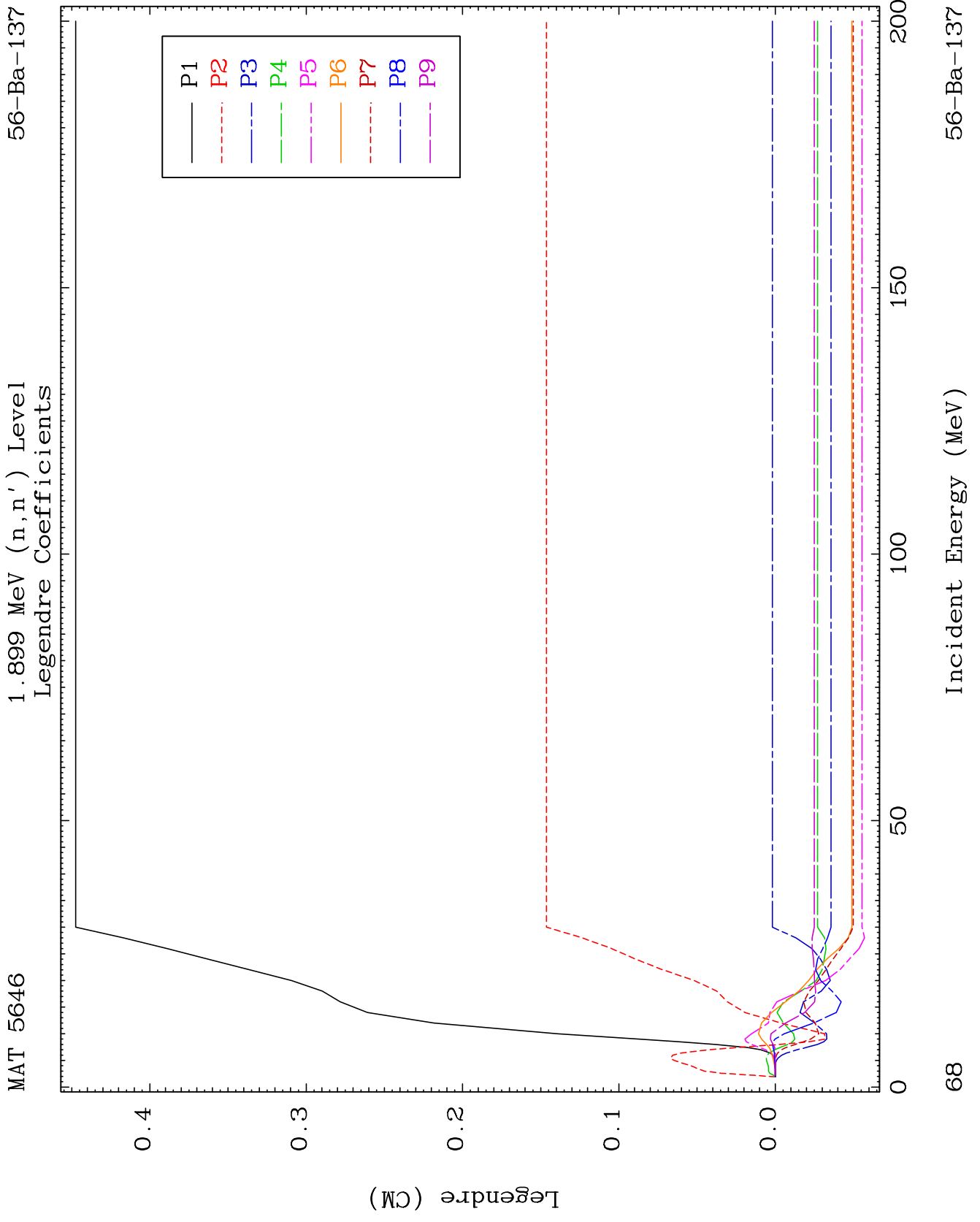
56-Ba-137

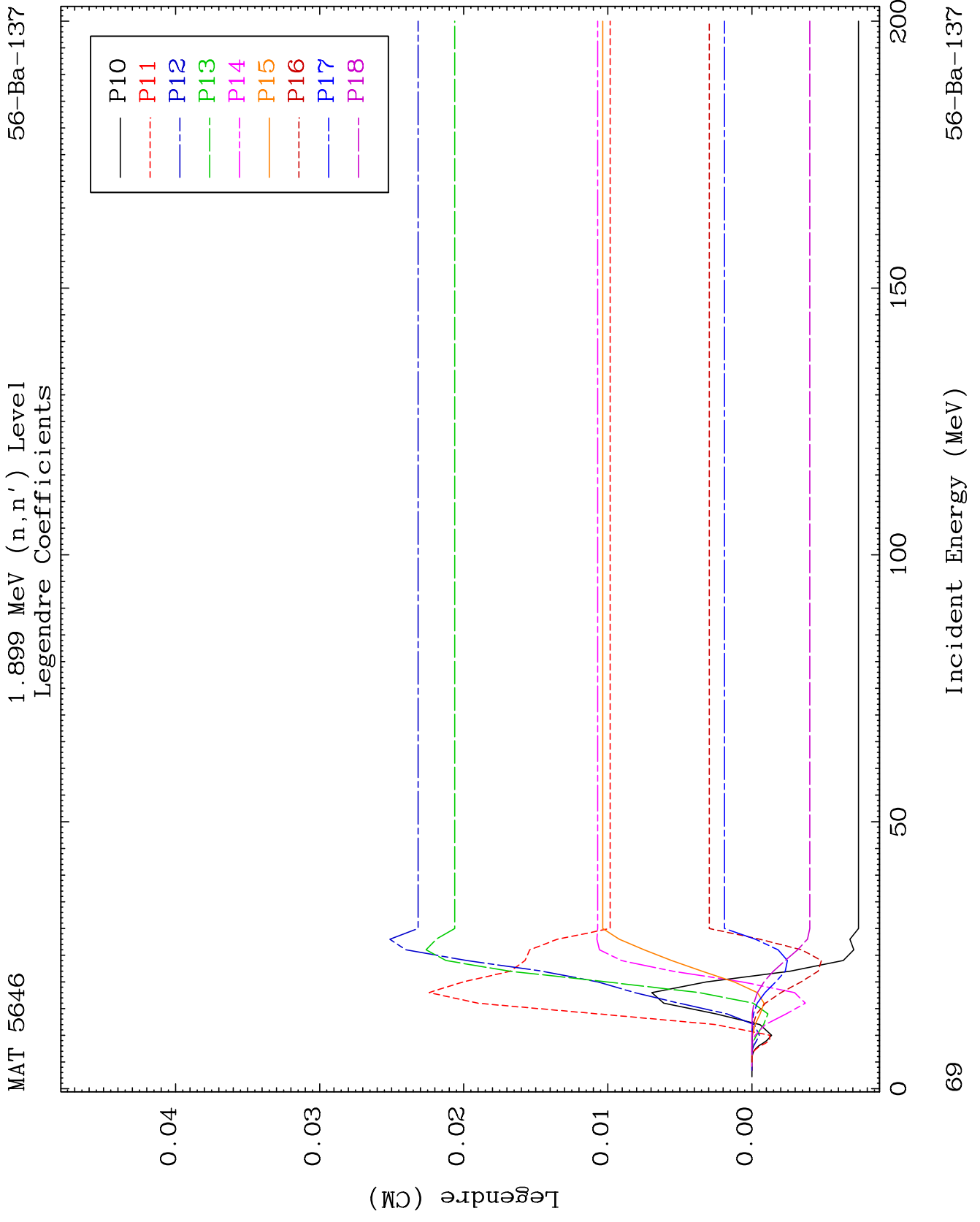


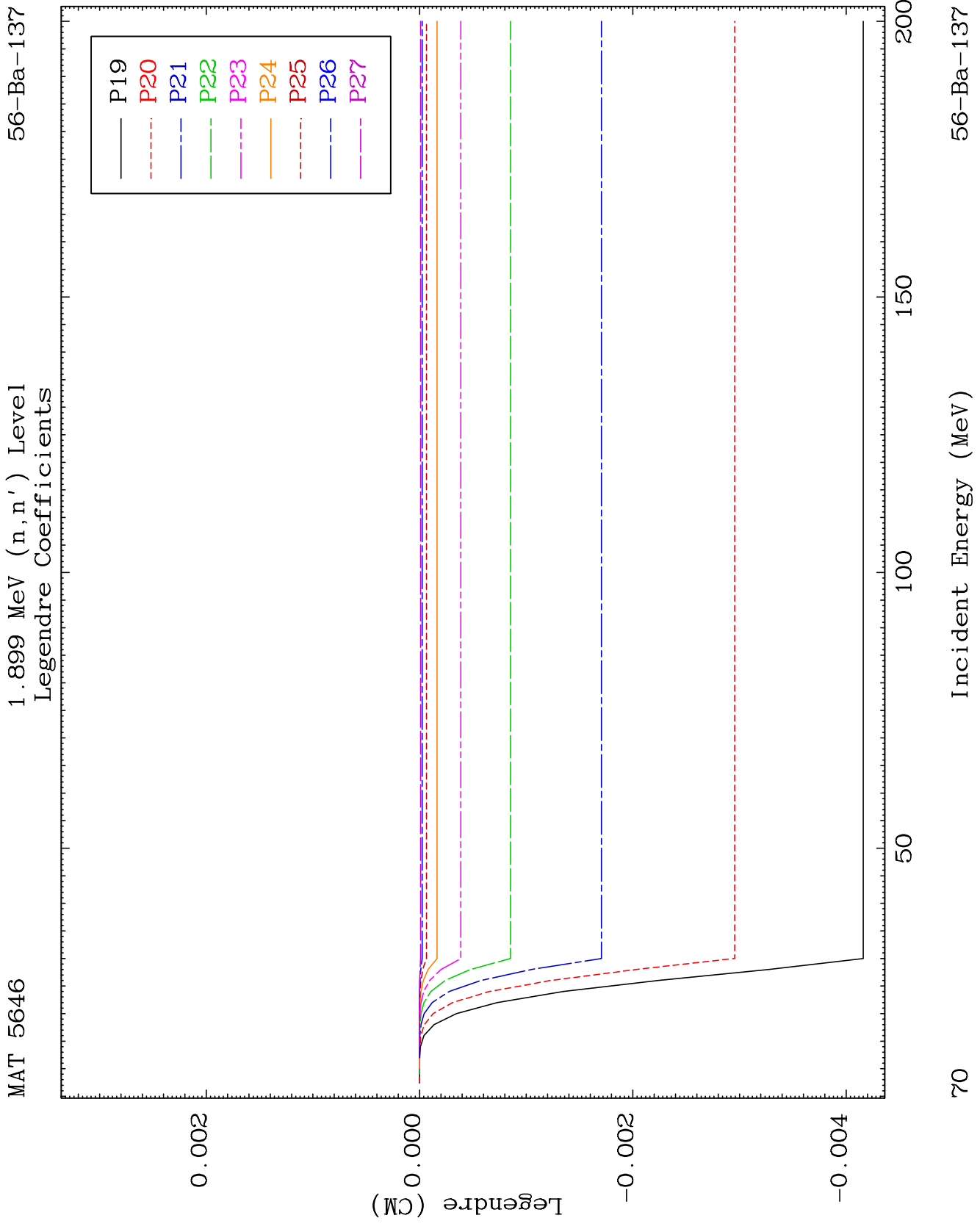


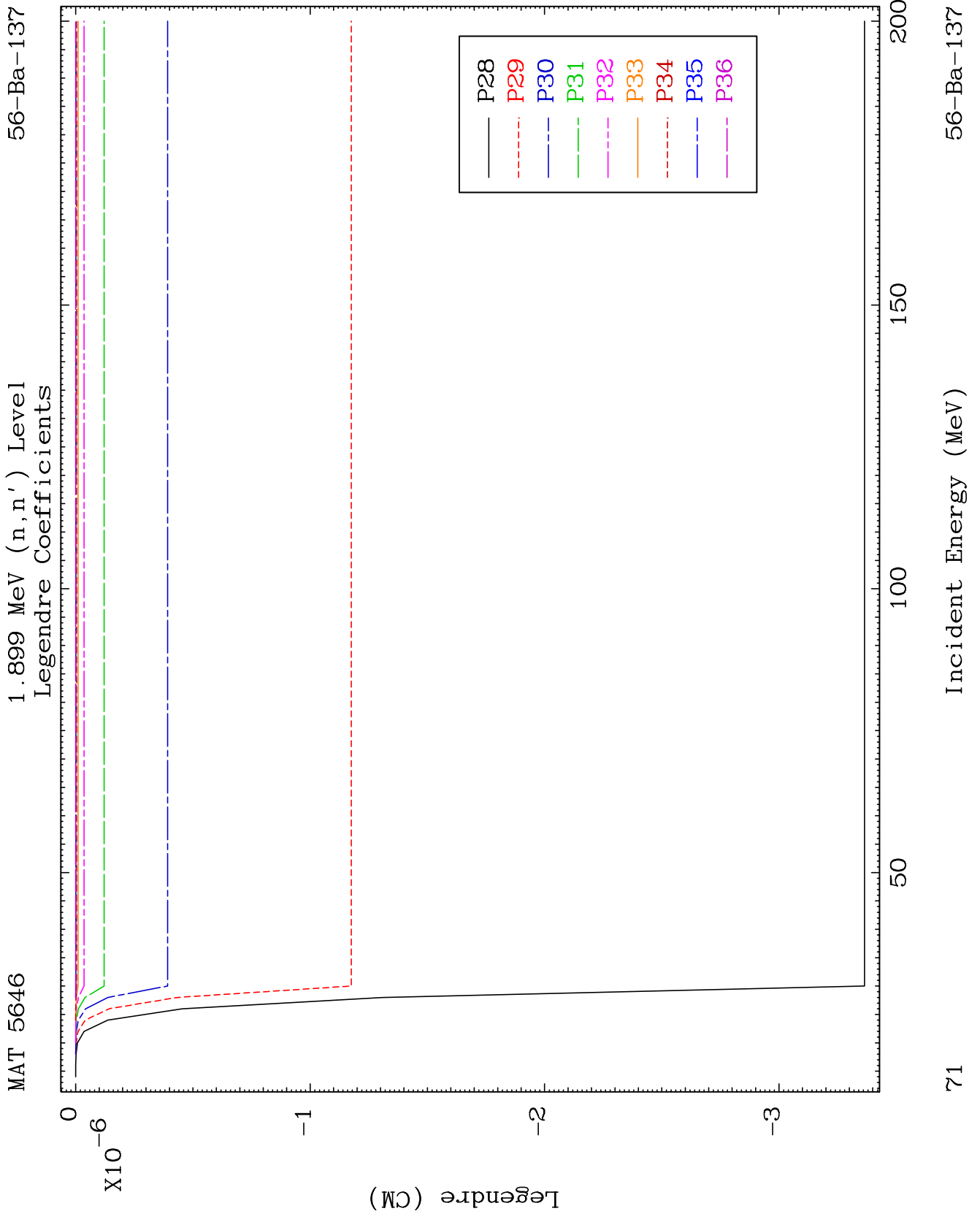


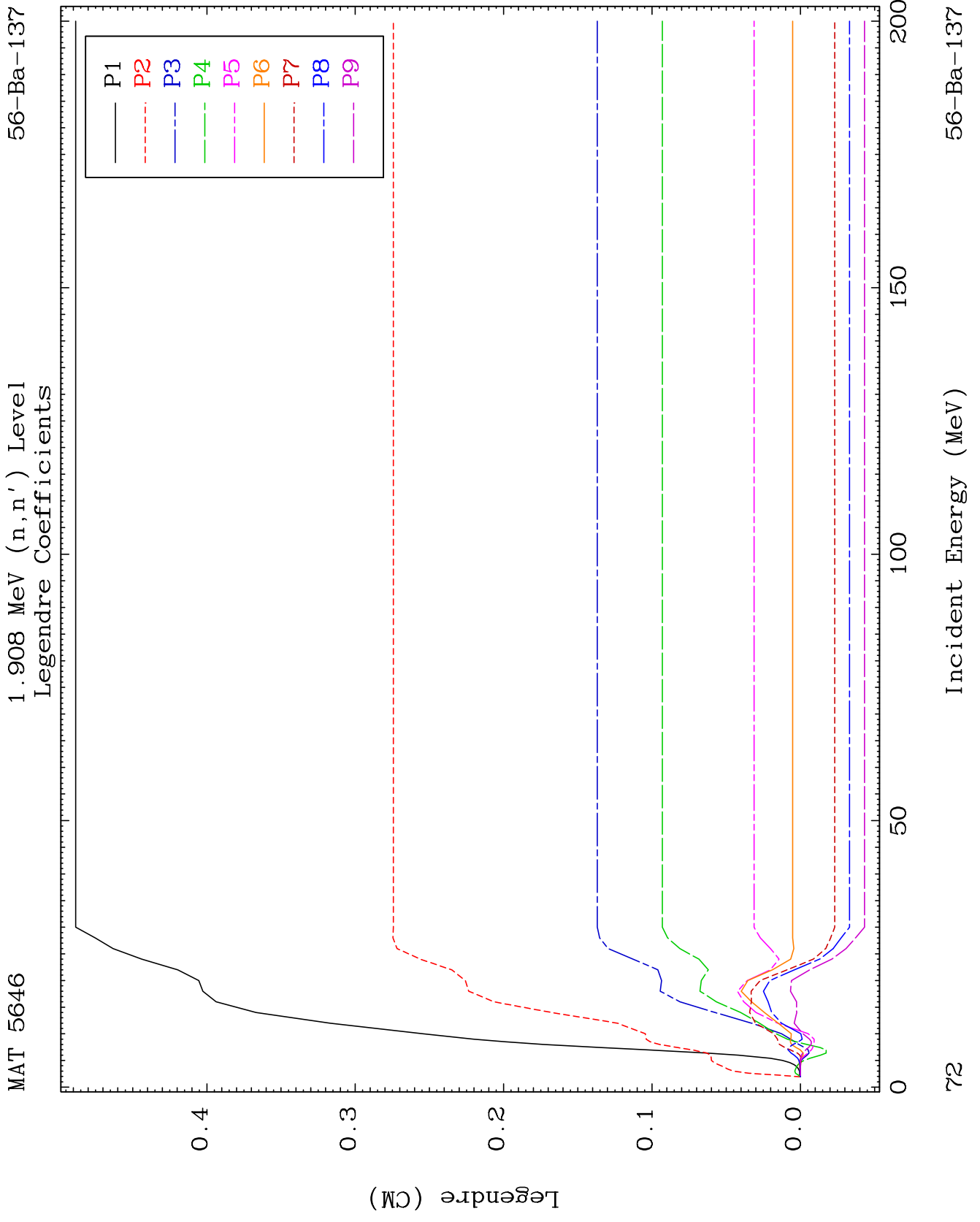


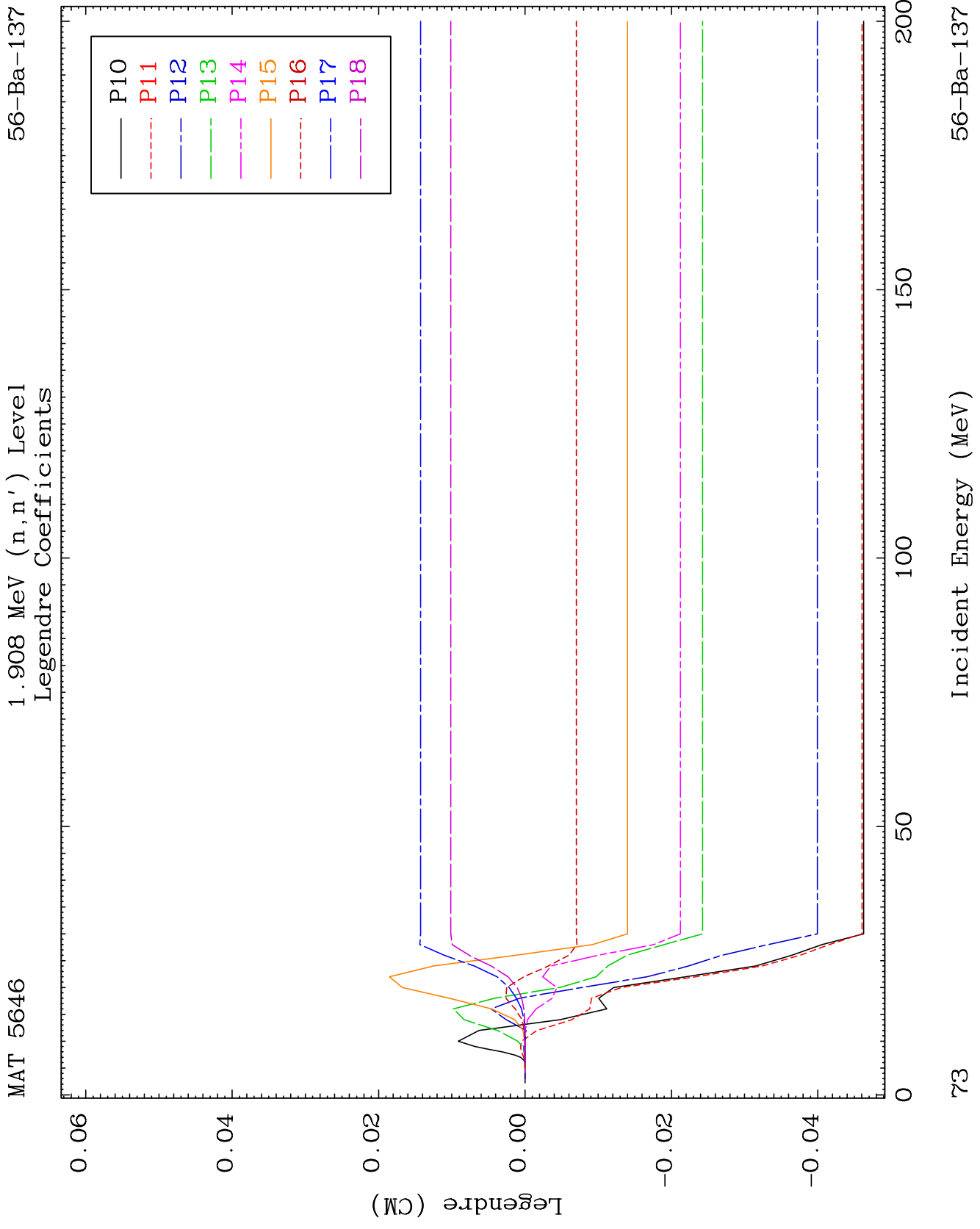


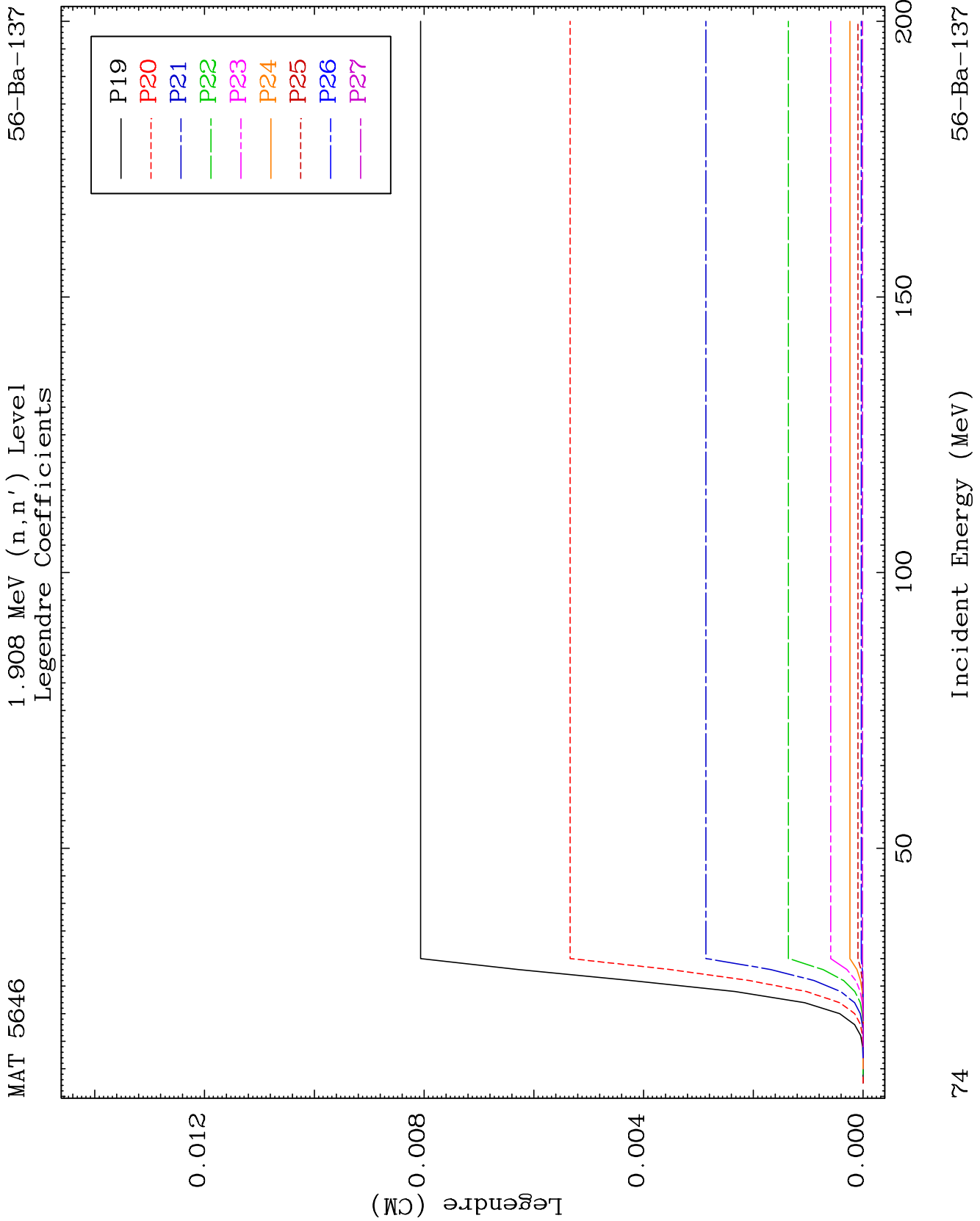




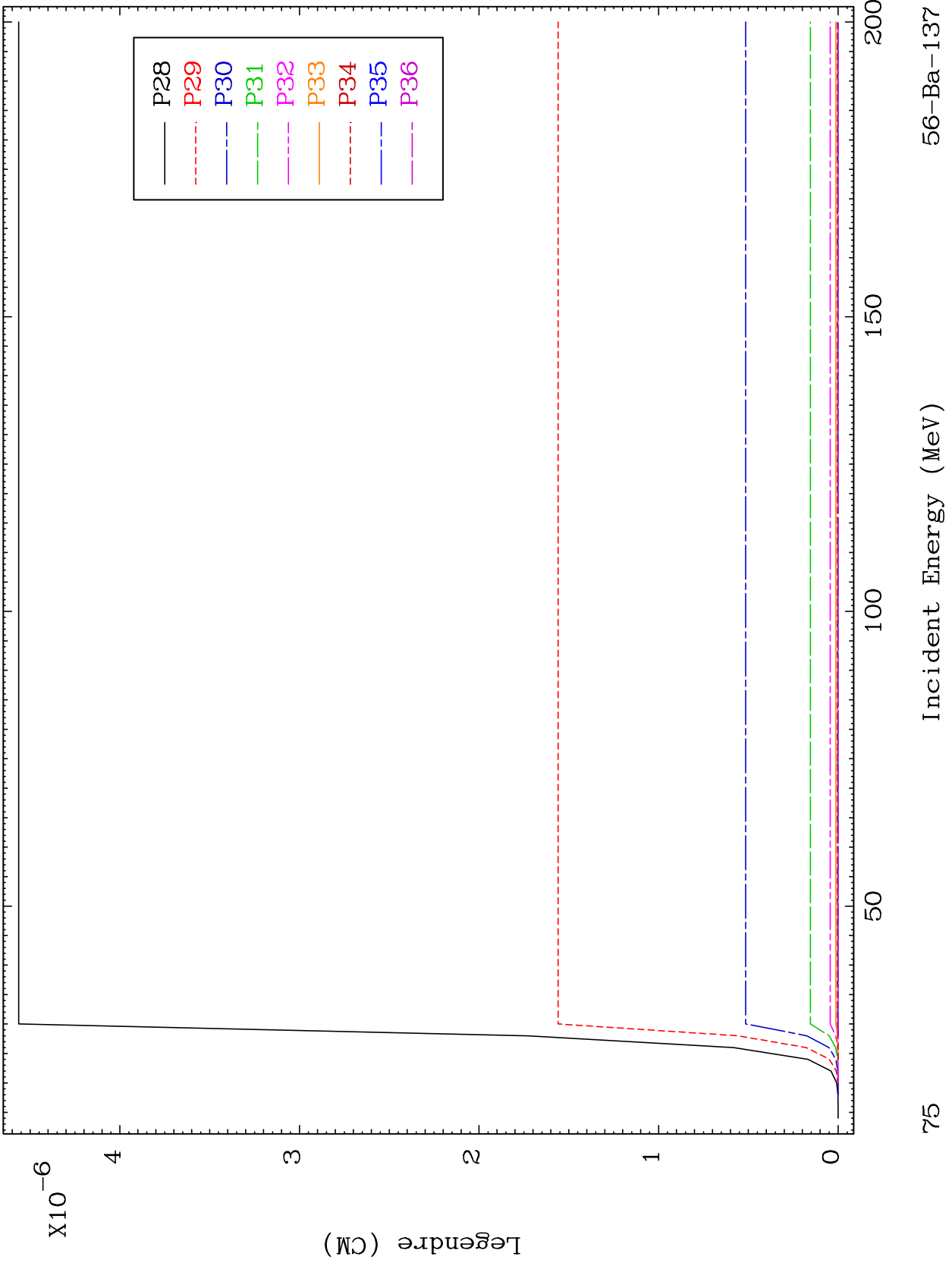




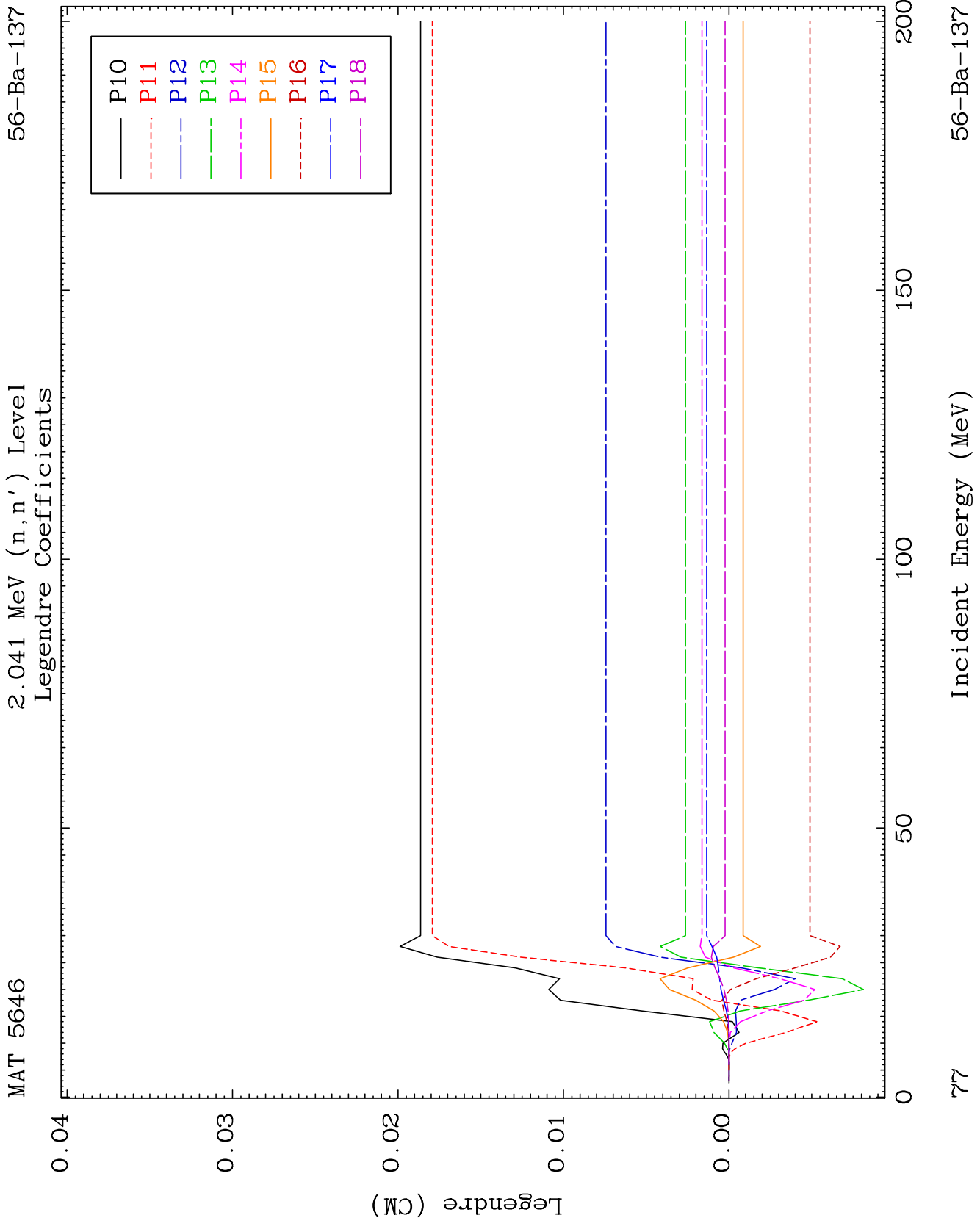


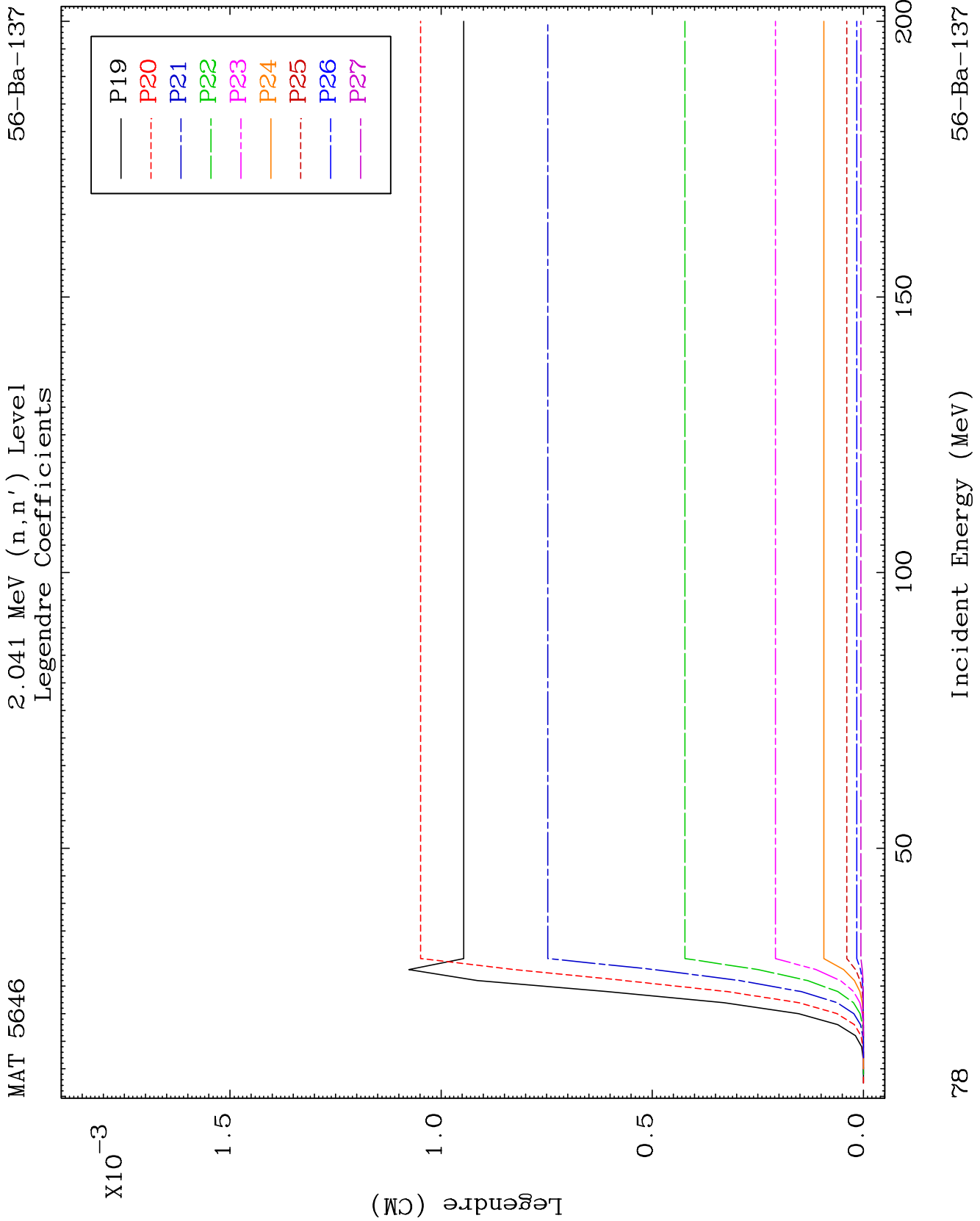


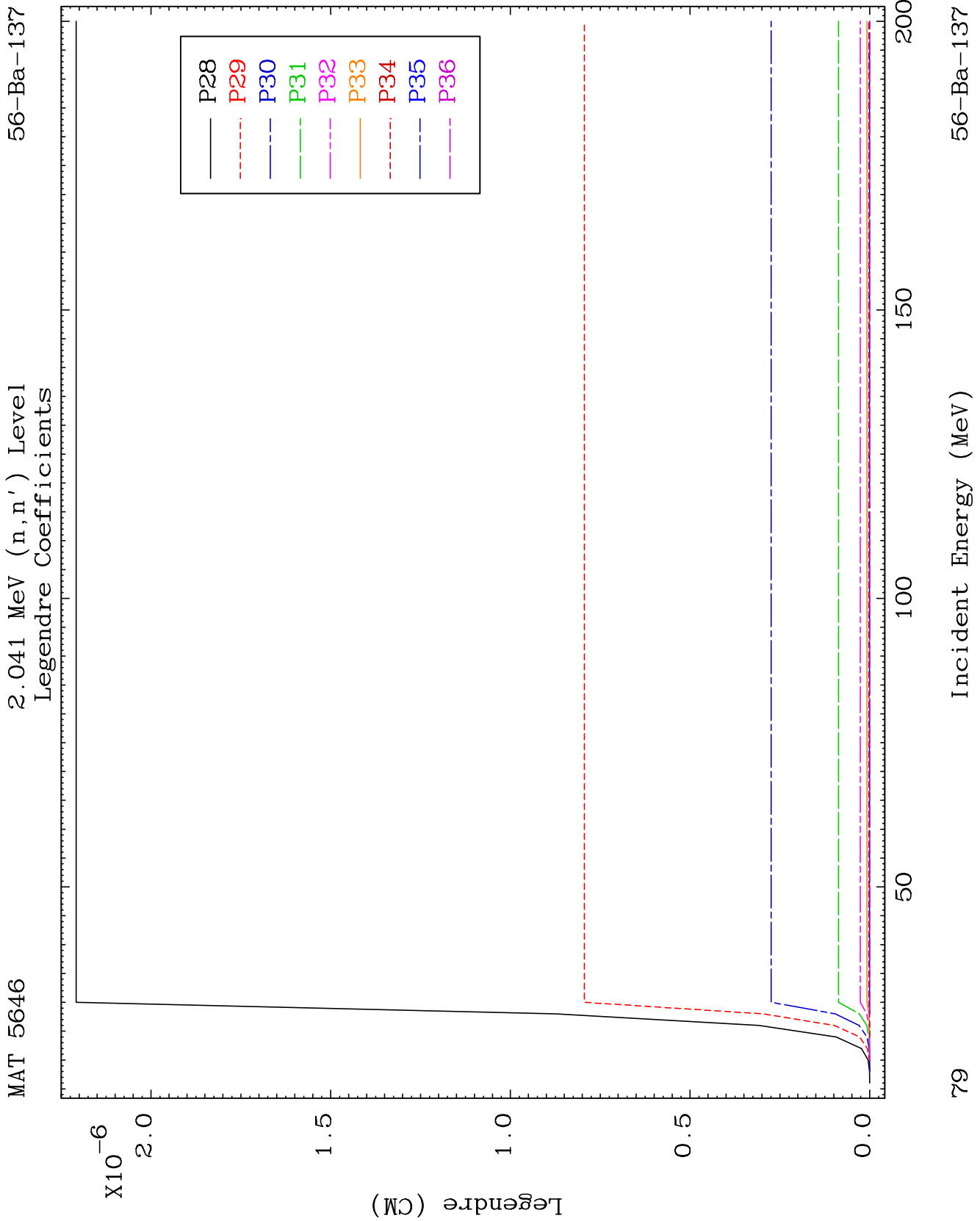
MAT 5646 1.908 MeV (n,n') Level Legendre Coefficients 56-Ba-137

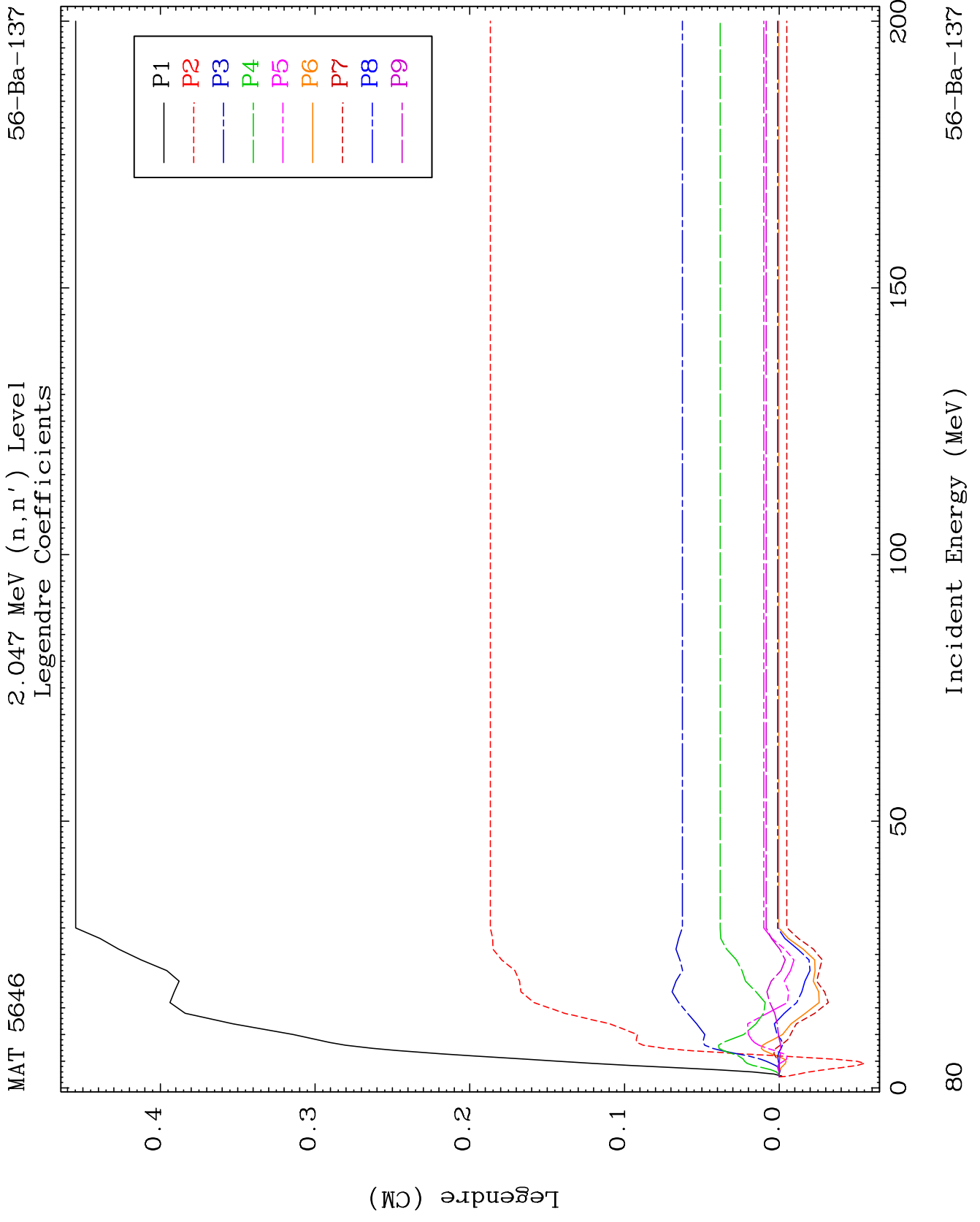


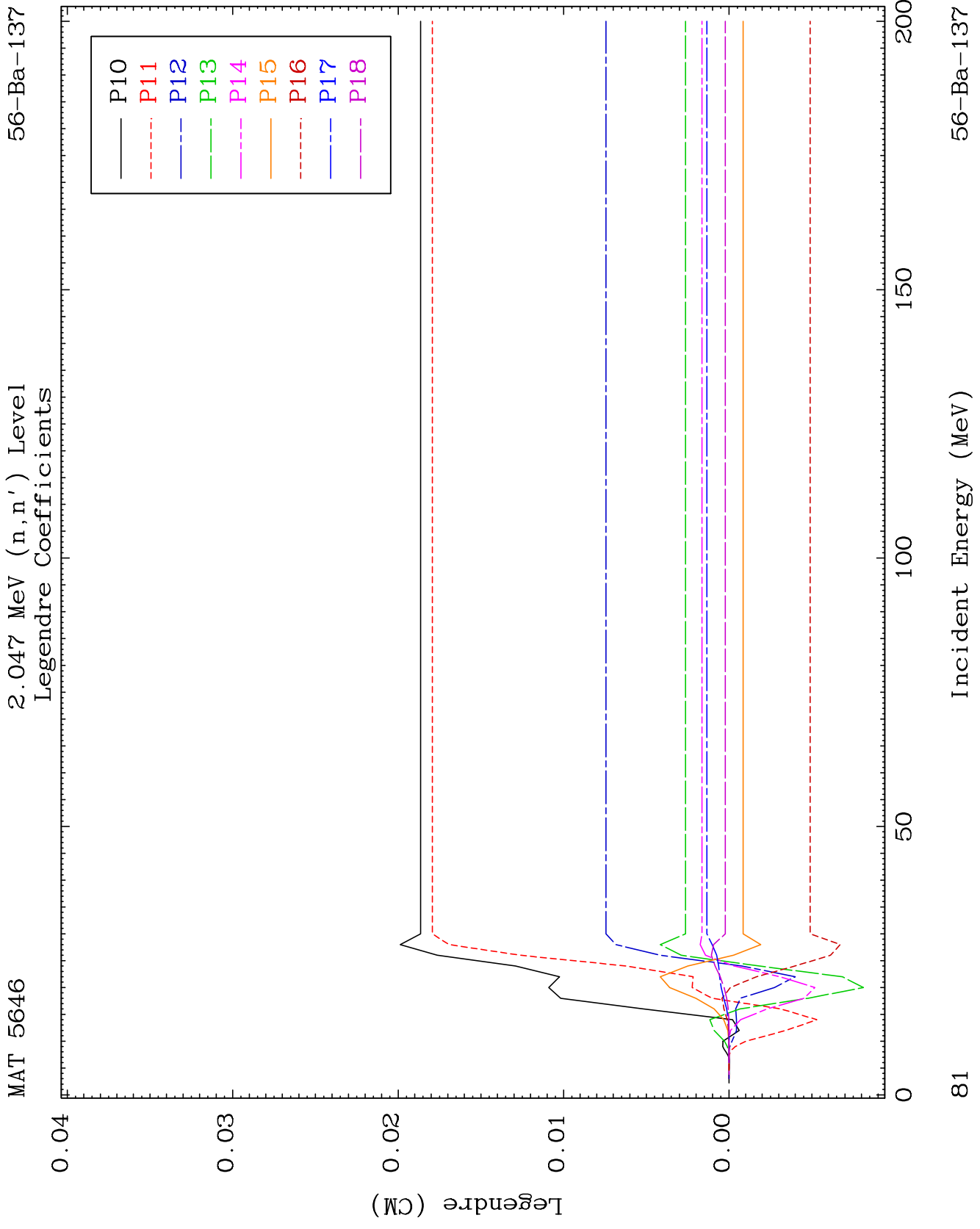
75 50 100 150 200 56-Ba-137







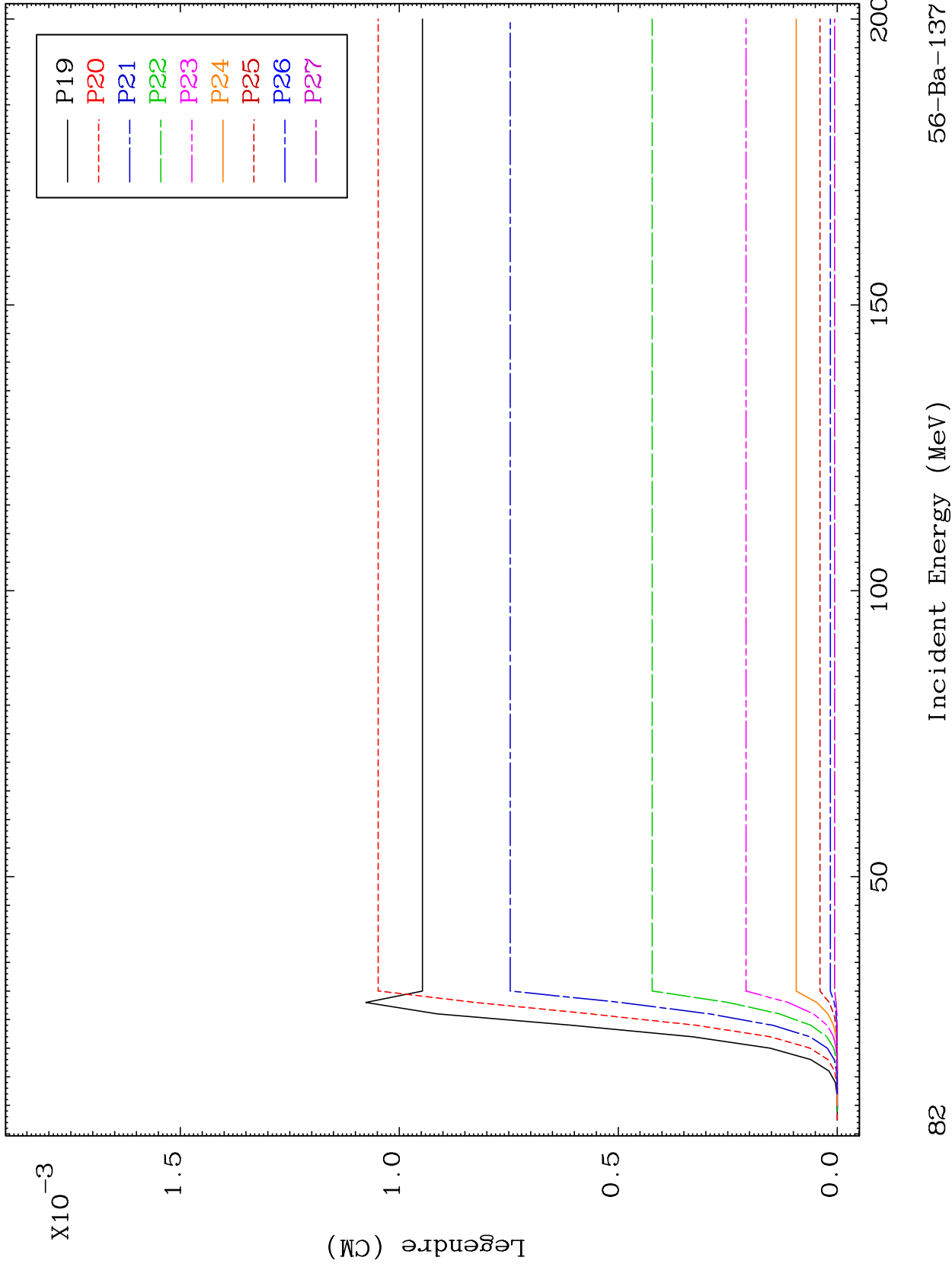




MAT 5646

2.047 MeV (n,n') Level
Legendre Coefficients

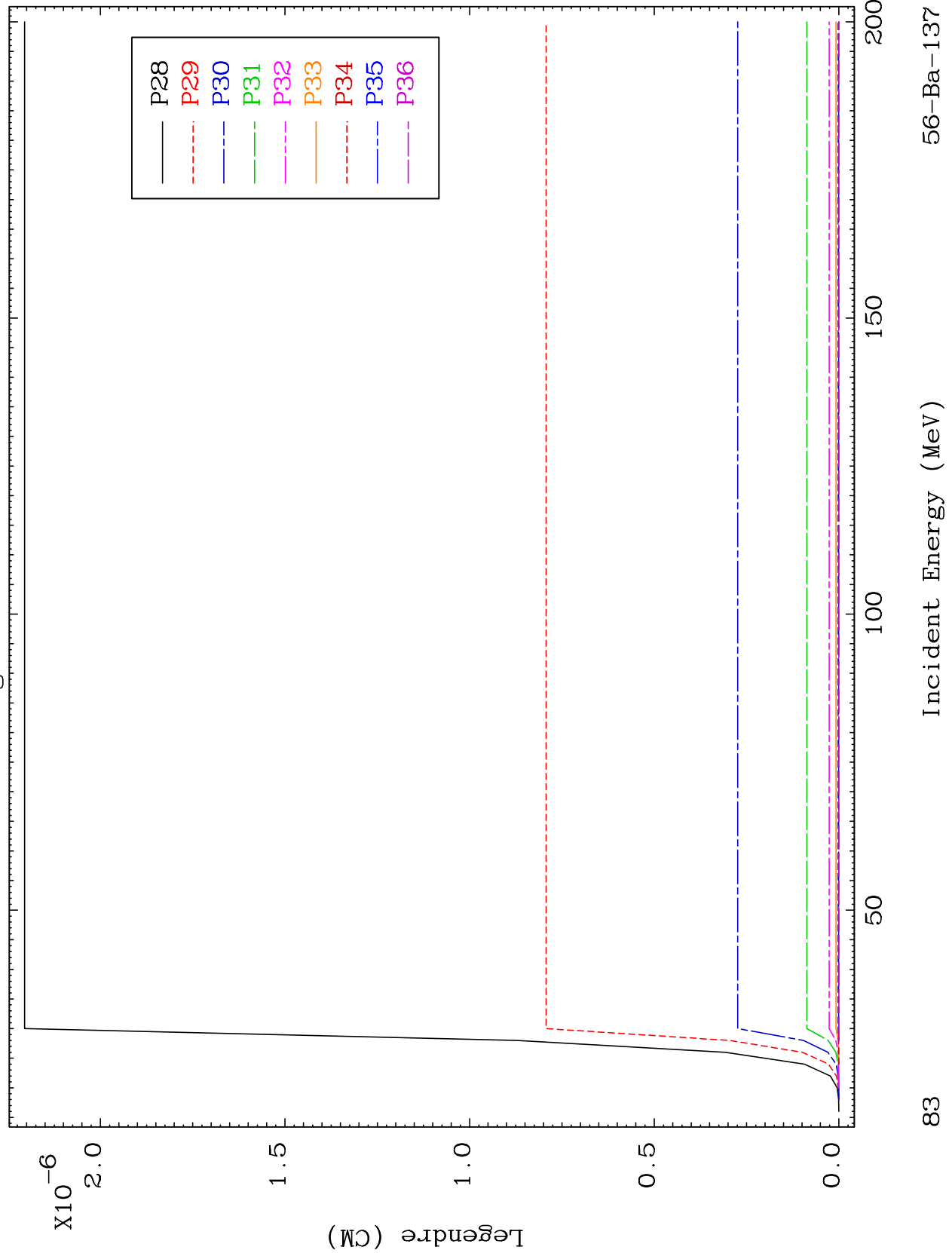
56-Ba-137

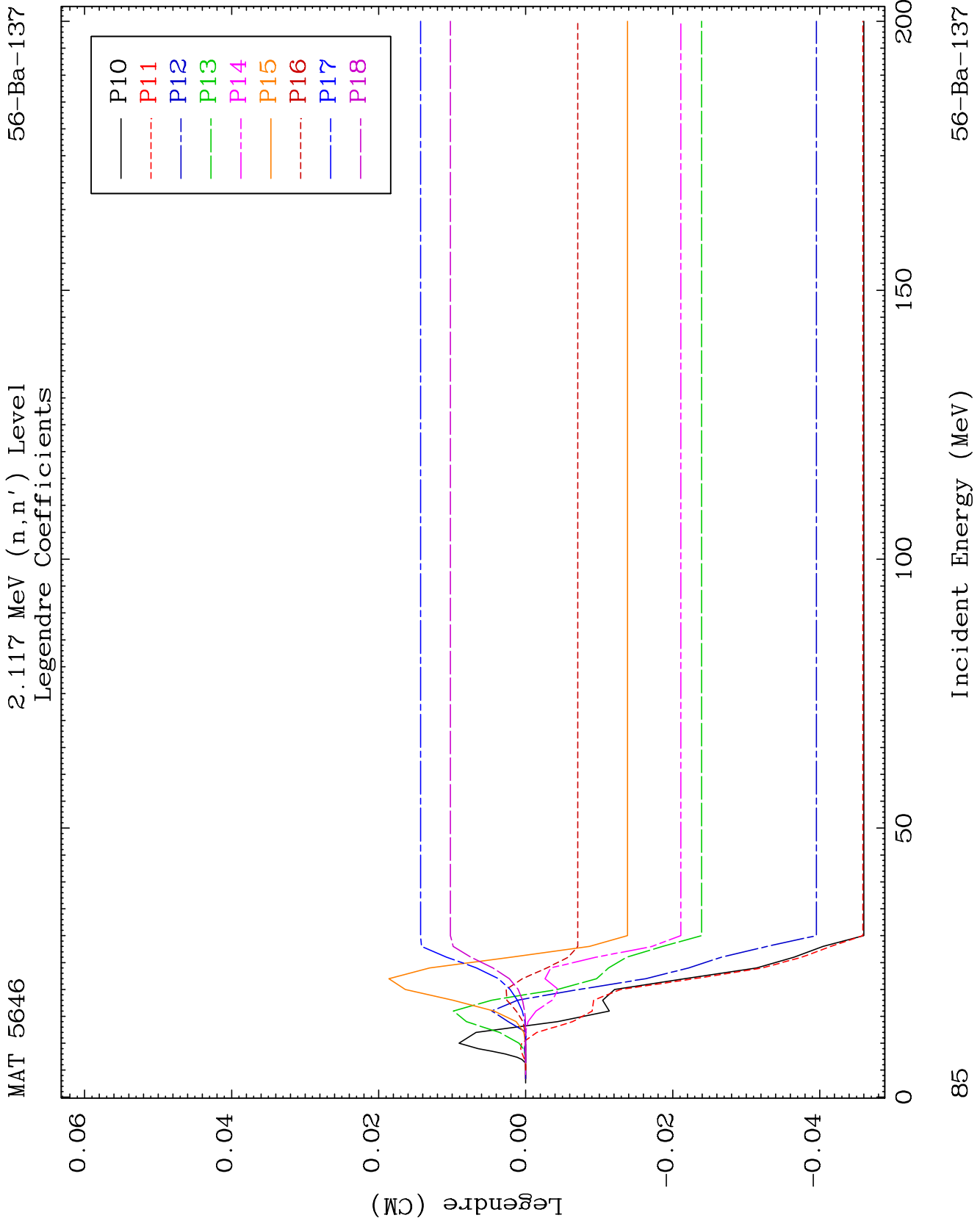


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Incident Energy (MeV)

56-Ba-137

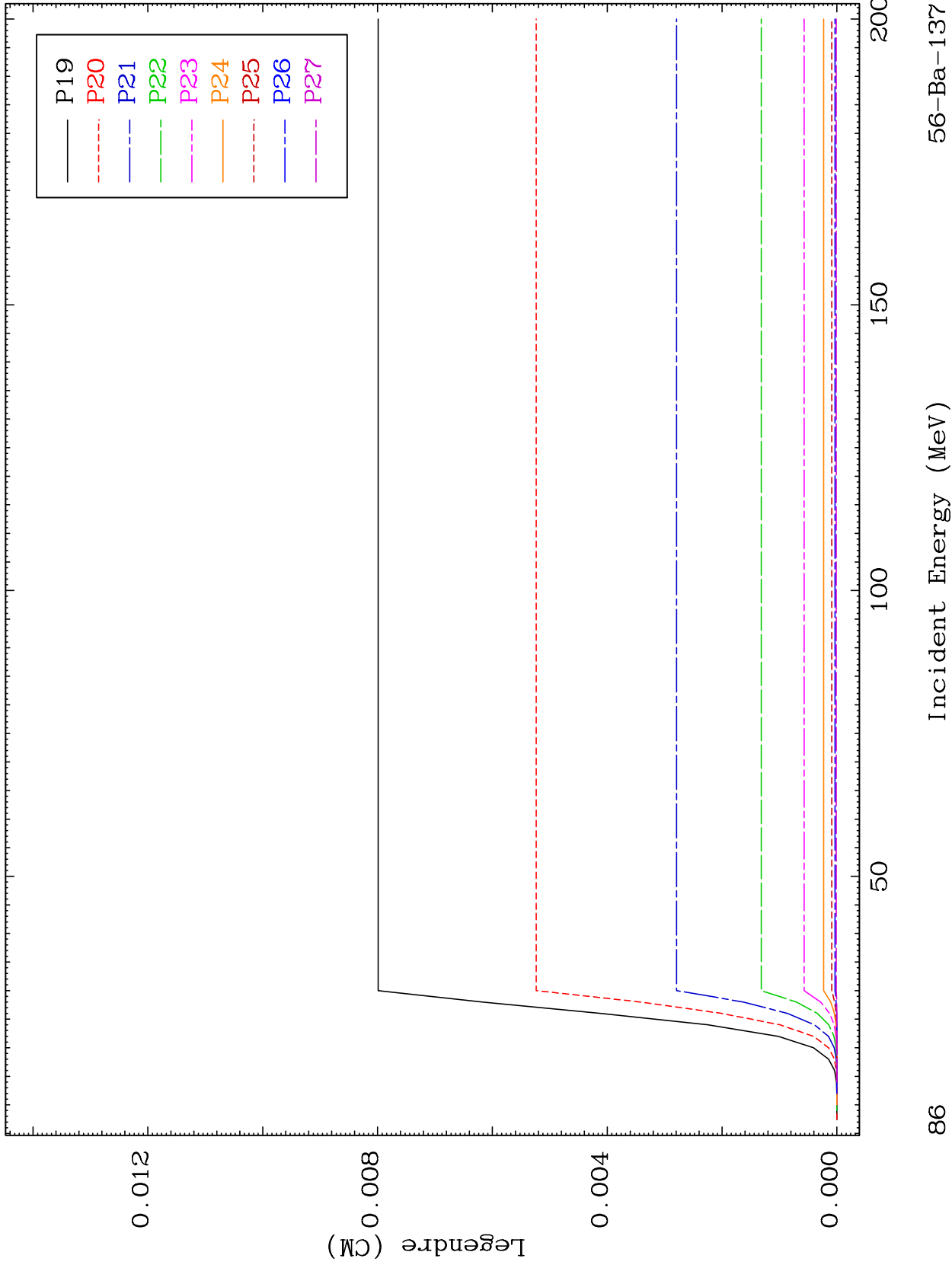




MAT 5646

2.117 MeV (n,n') Level
Legendre Coefficients

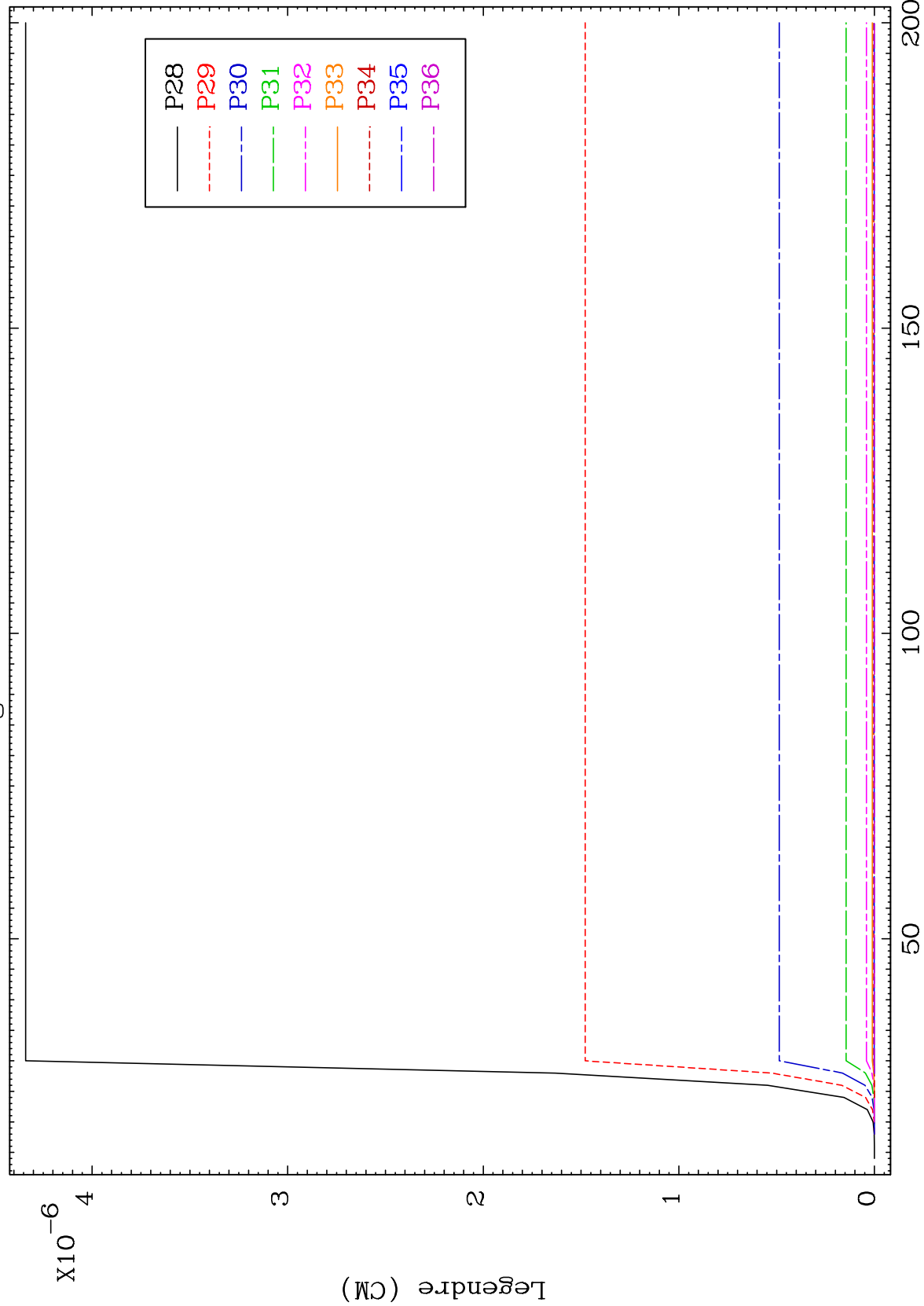
56-Ba-137

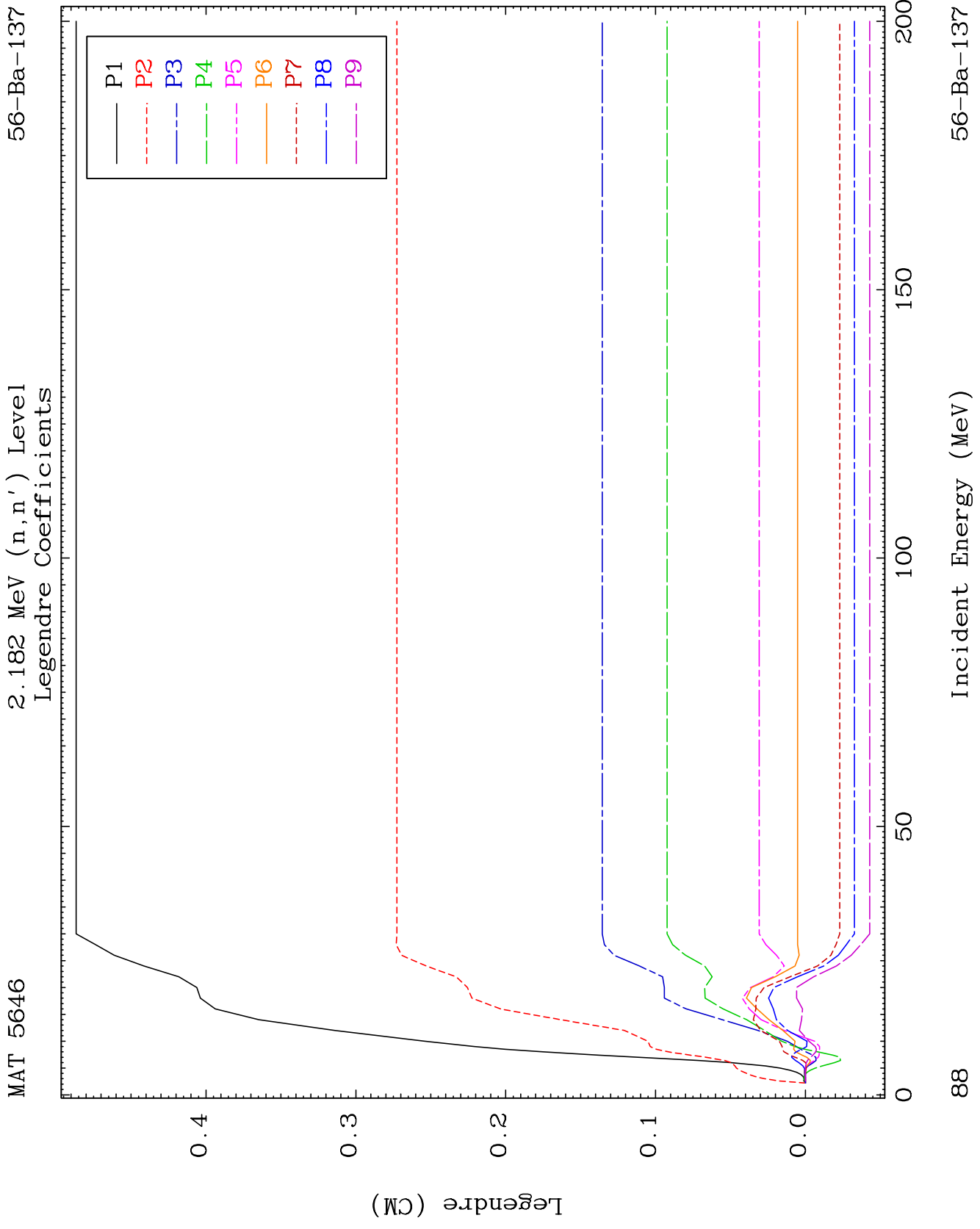


86

Incident Energy (MeV)

56-Ba-137

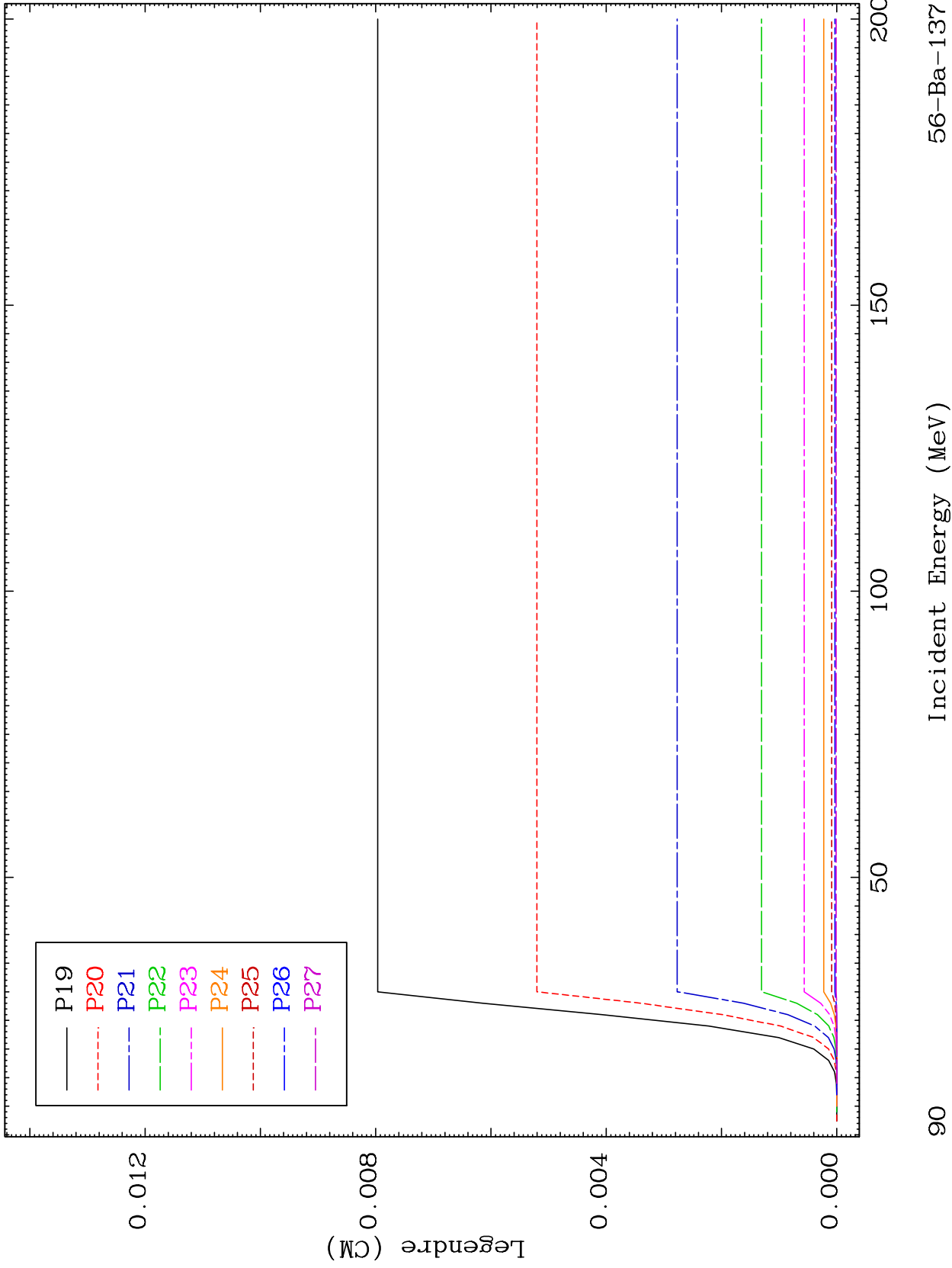




MAT 5646

2.182 MeV (n,n') Level
Legendre Coefficients

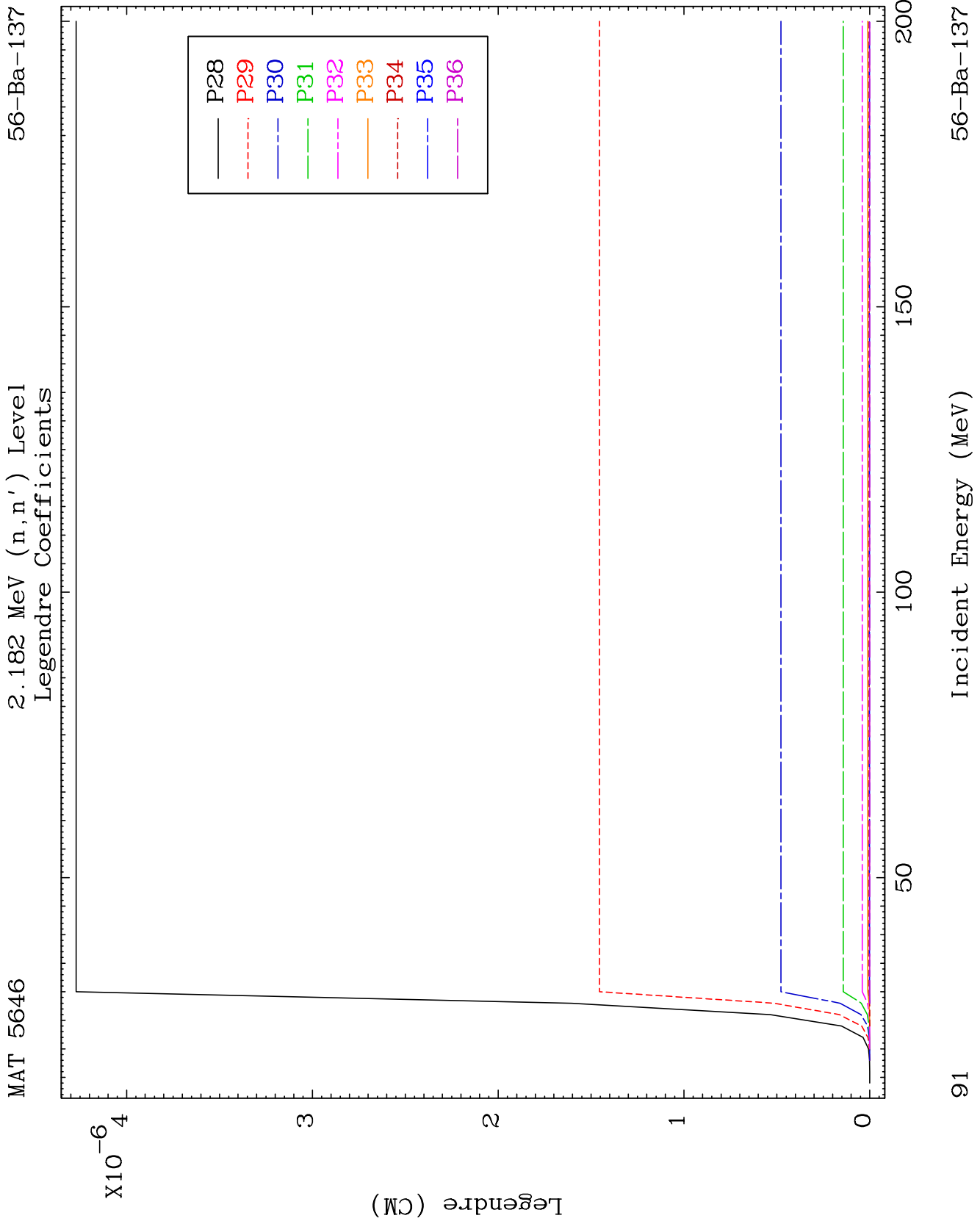
56-Ba-137

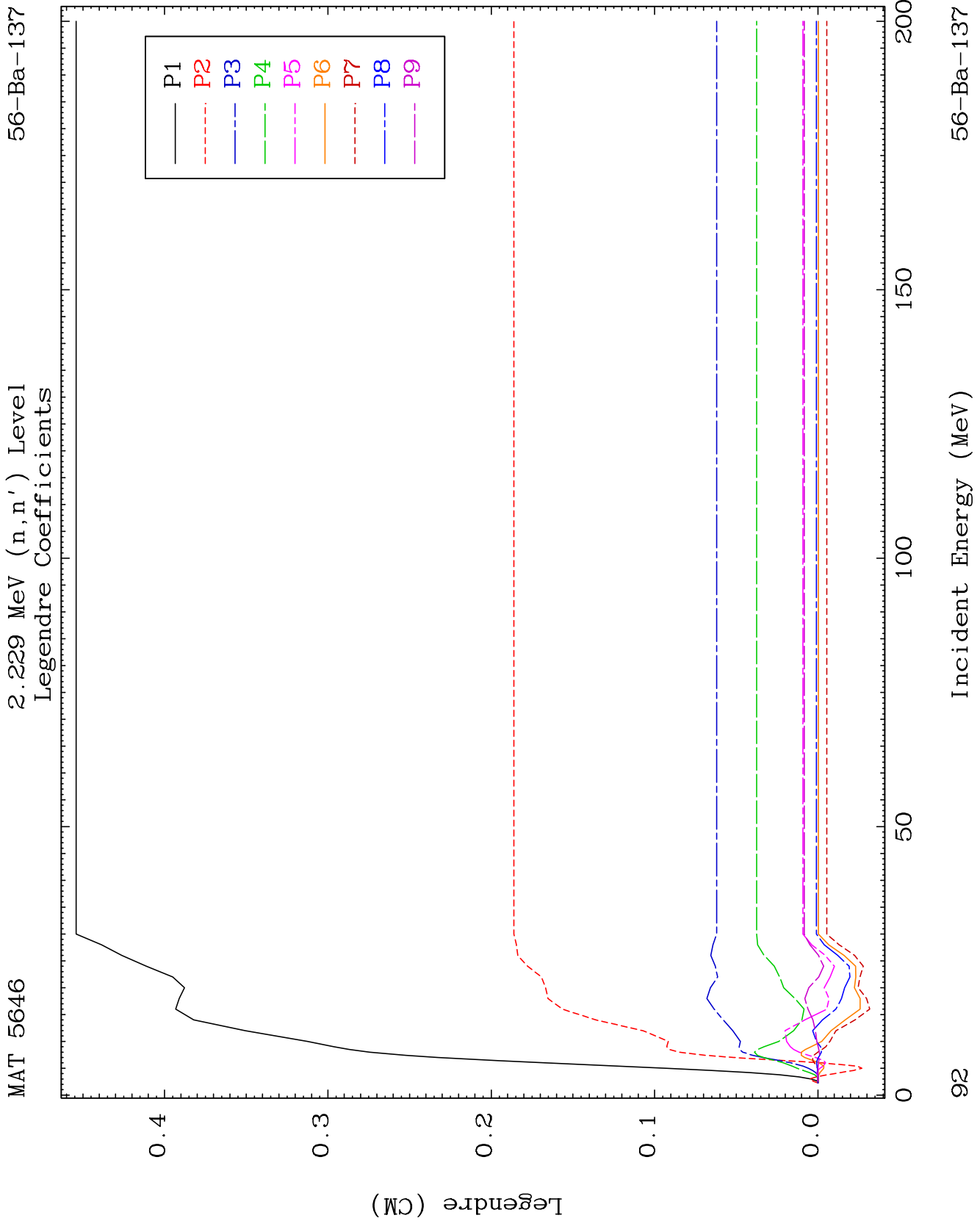


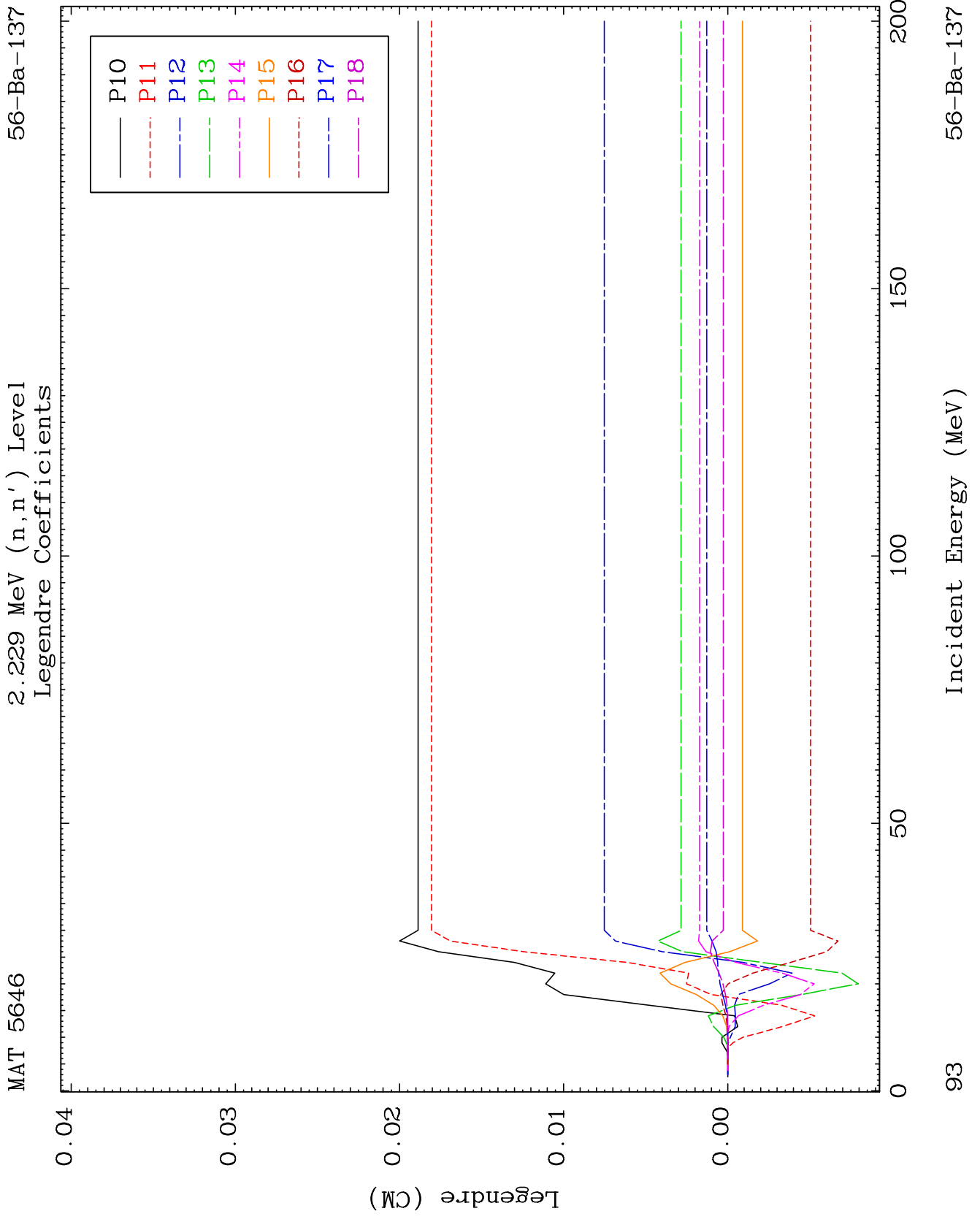
90

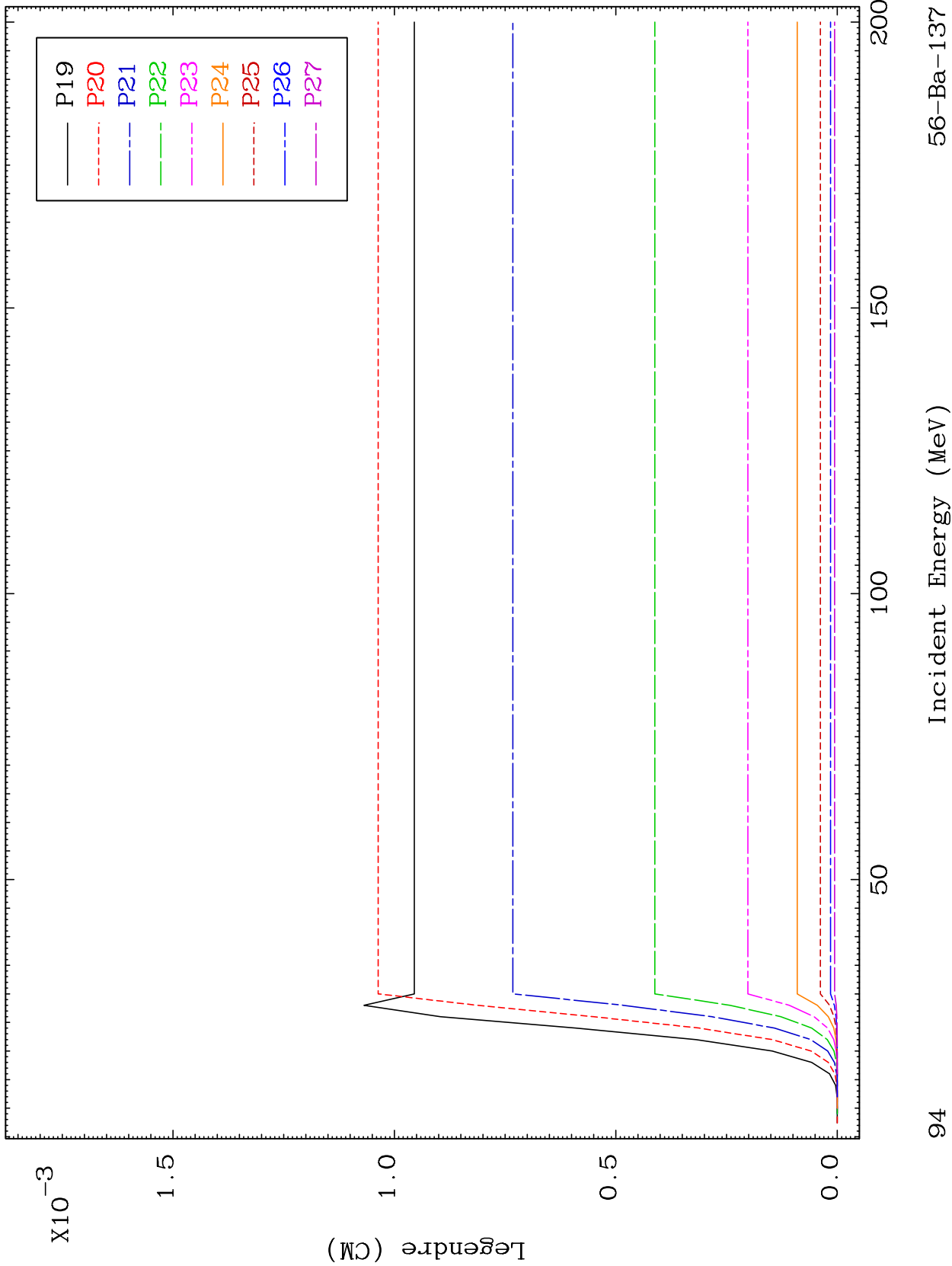
Incident Energy (MeV)

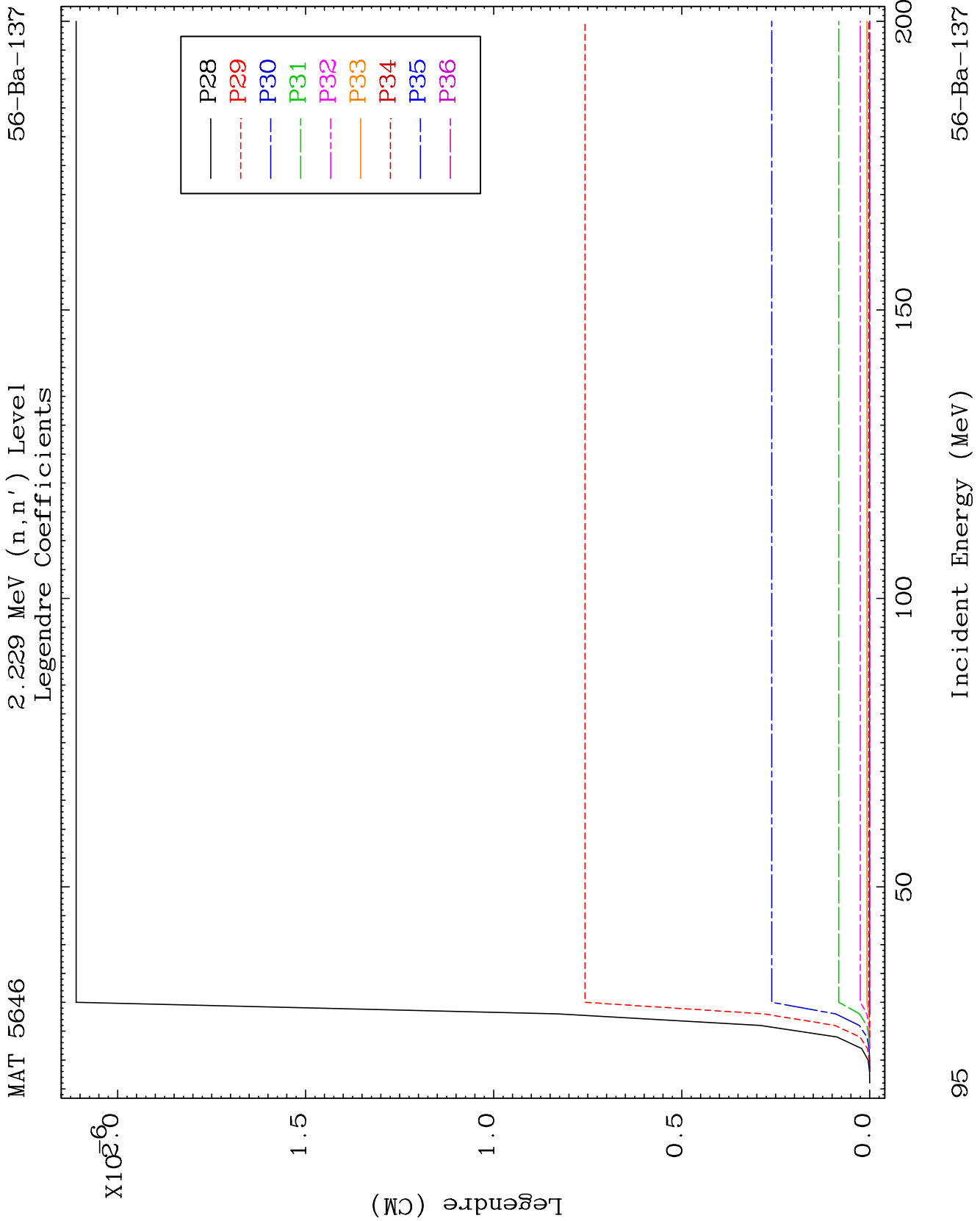
56-Ba-137







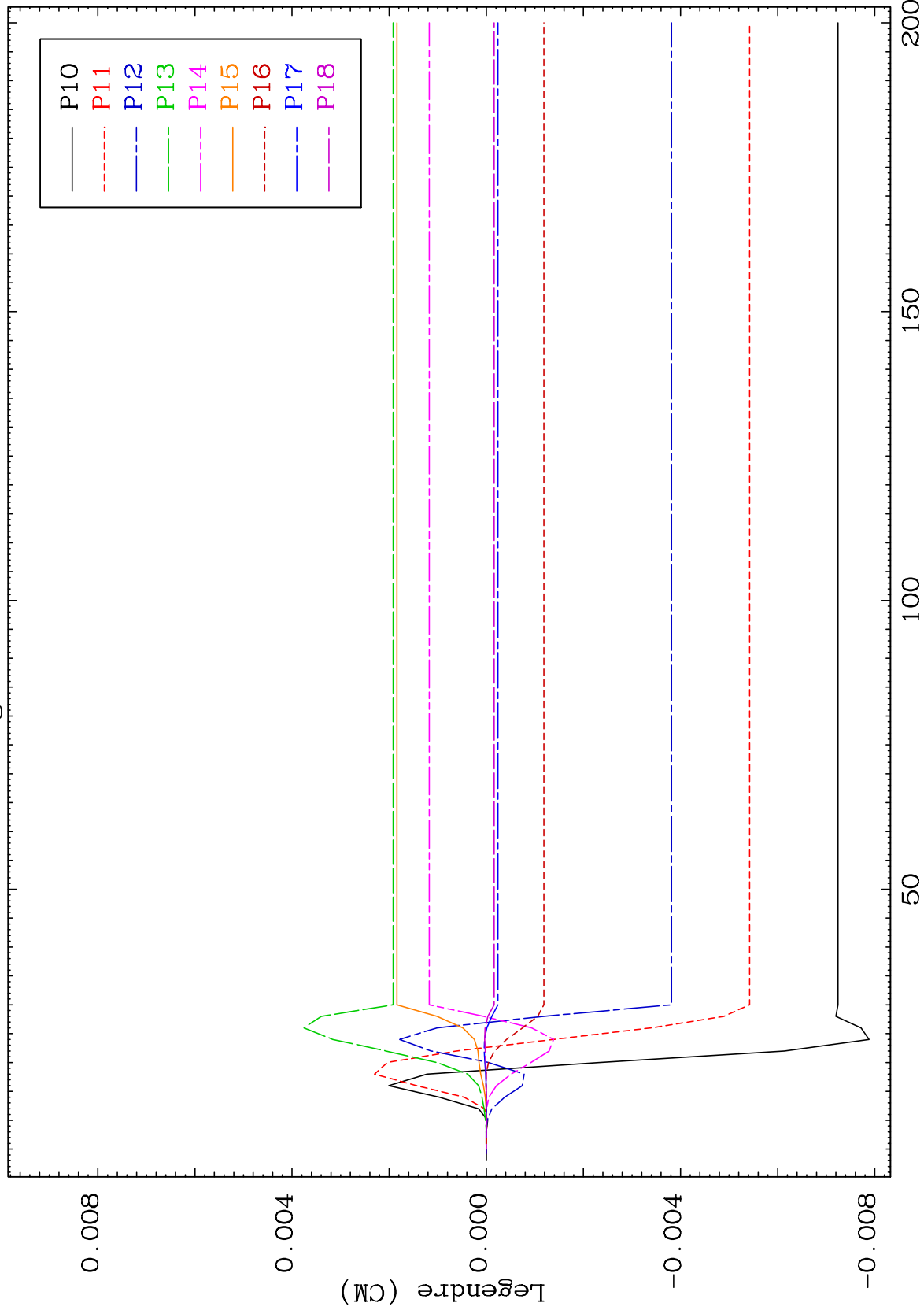




MAT 5646

2.250 MeV (n,n') Level
Legendre Coefficients

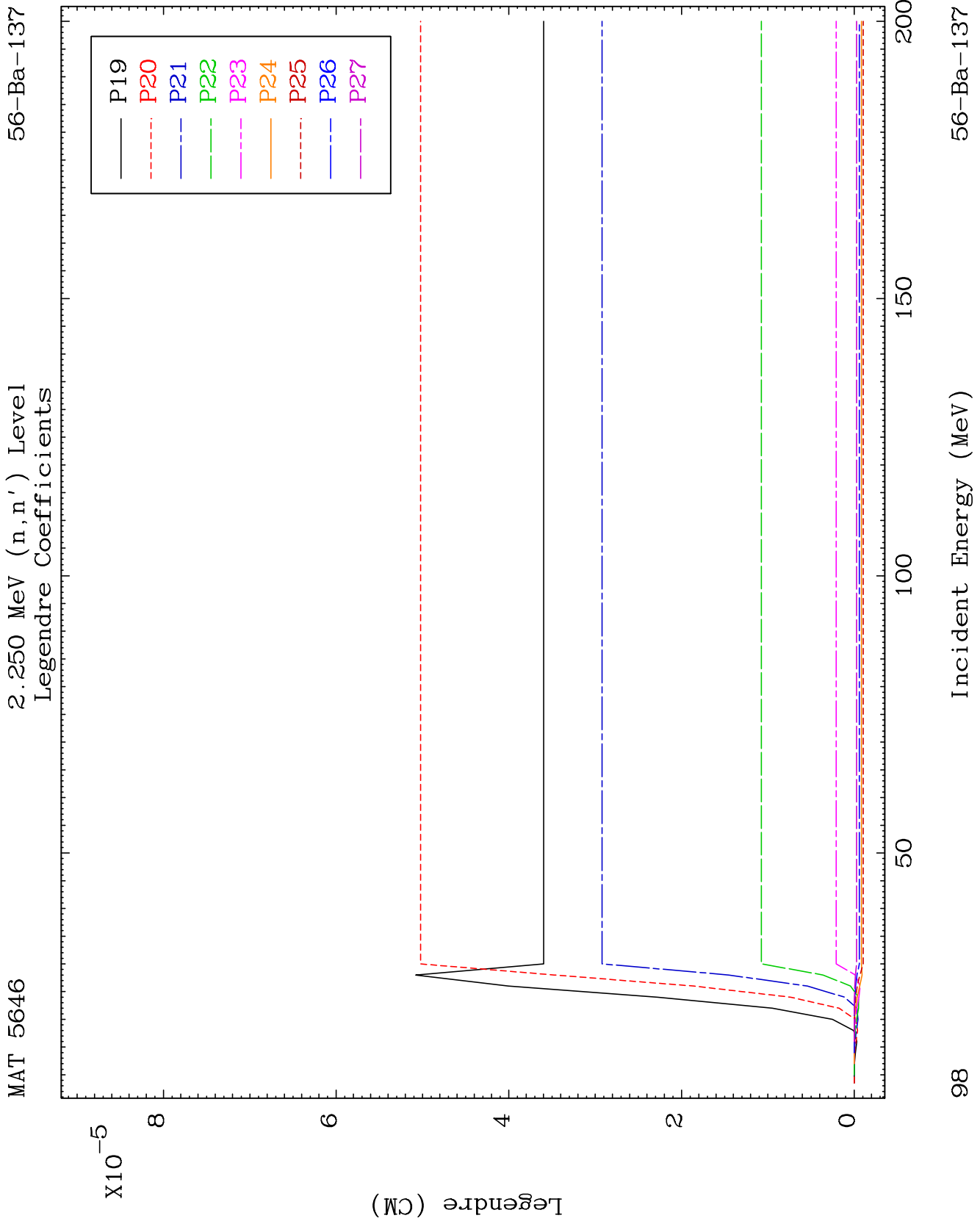
56-Ba-137

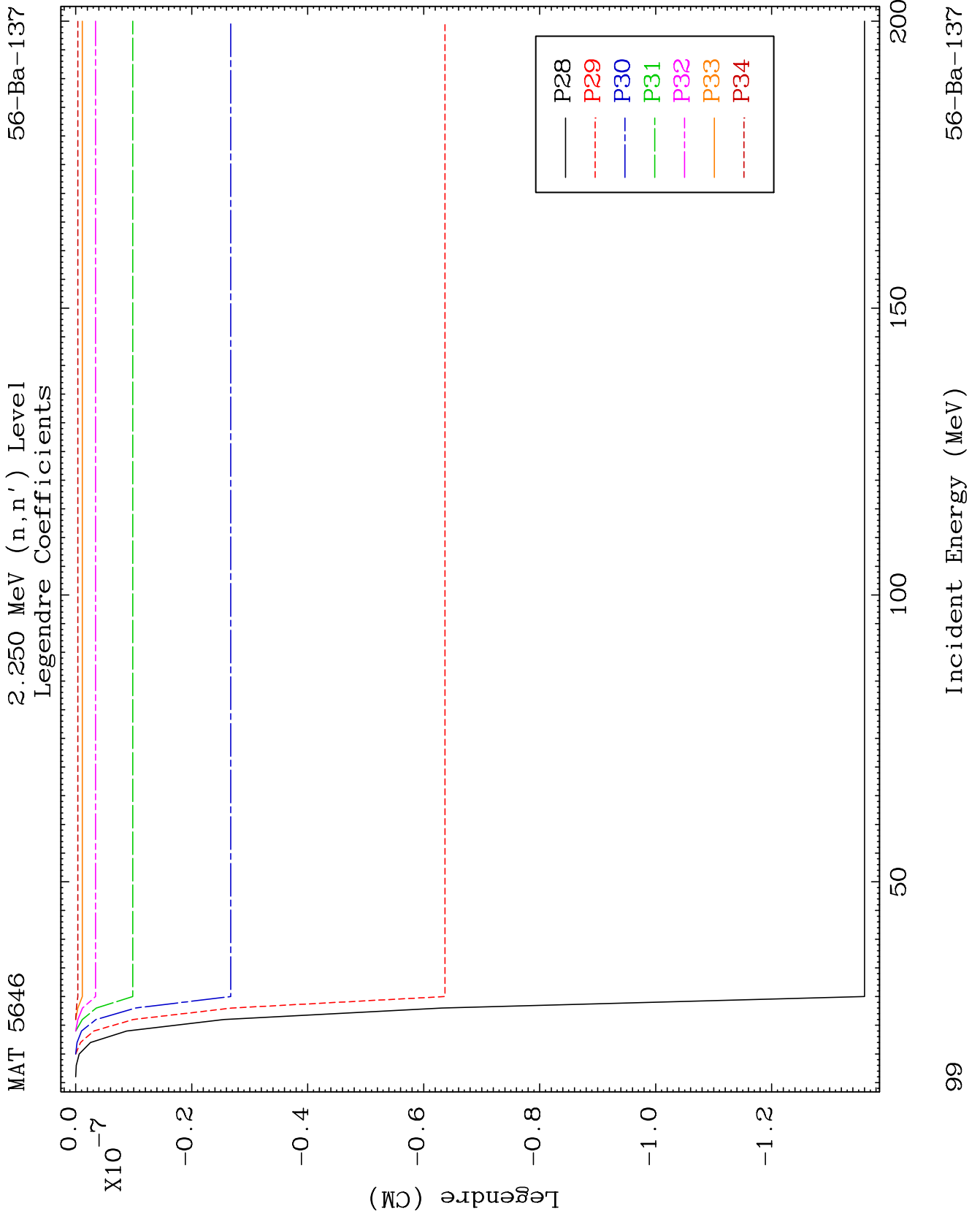


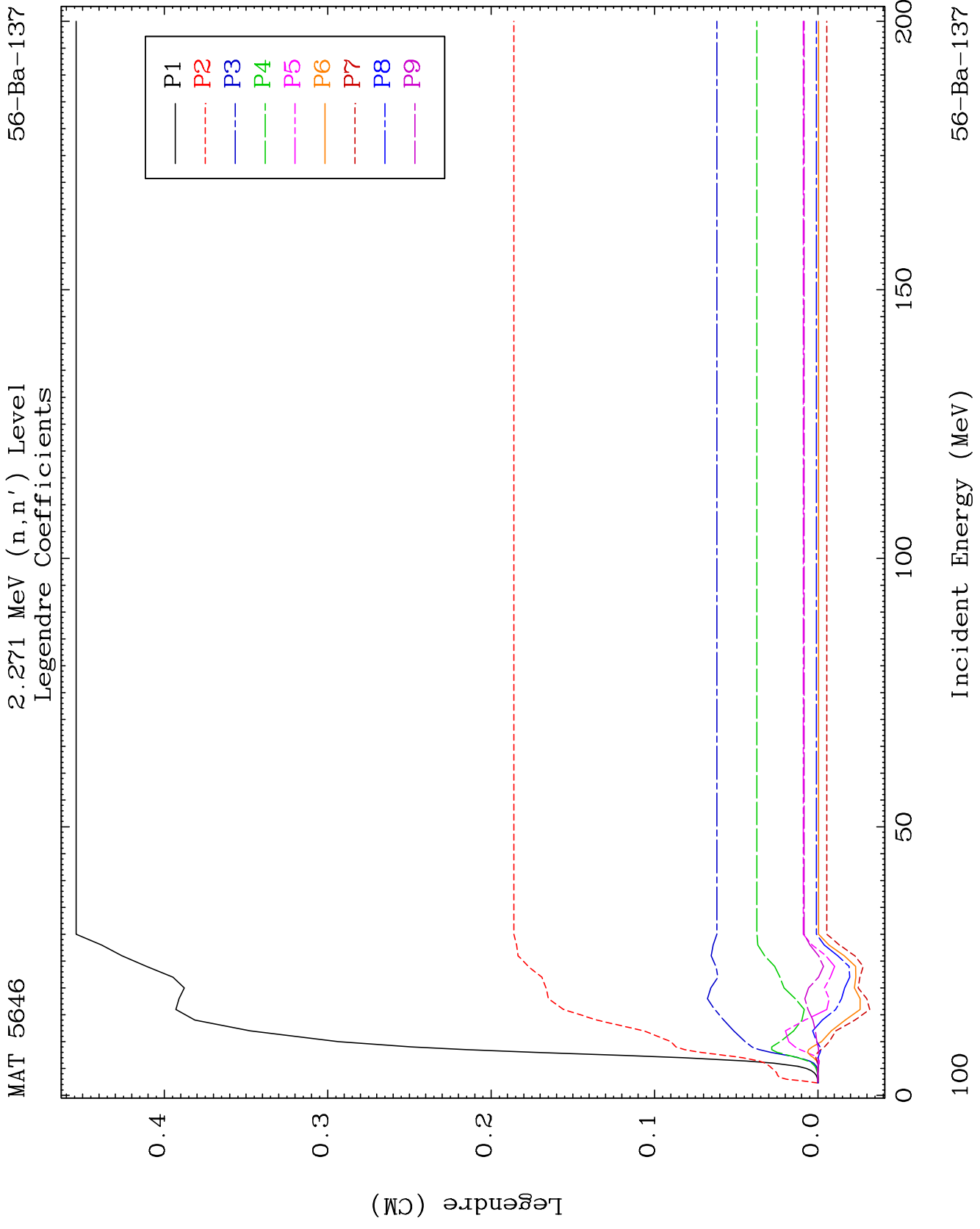
97

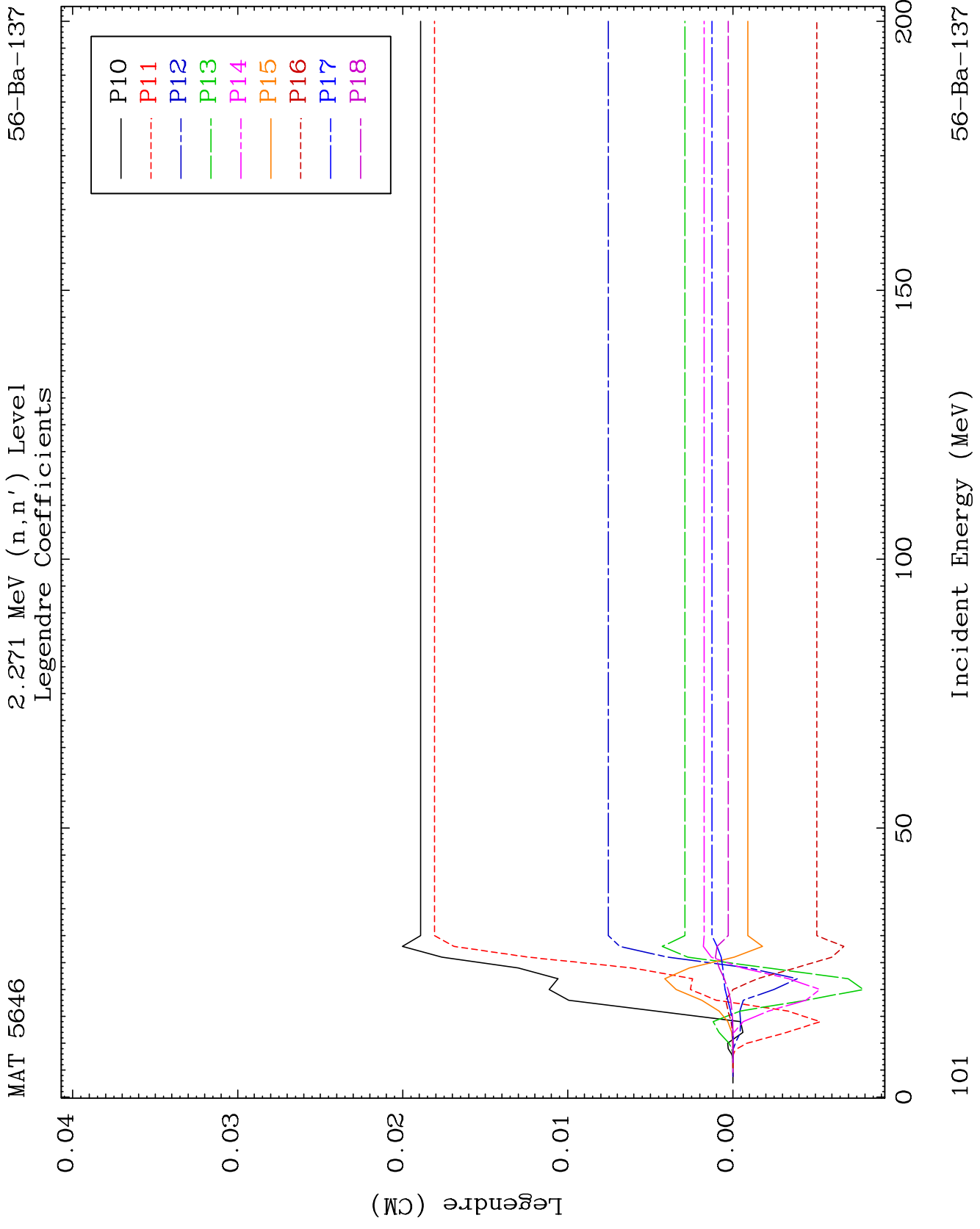
Incident Energy (MeV)

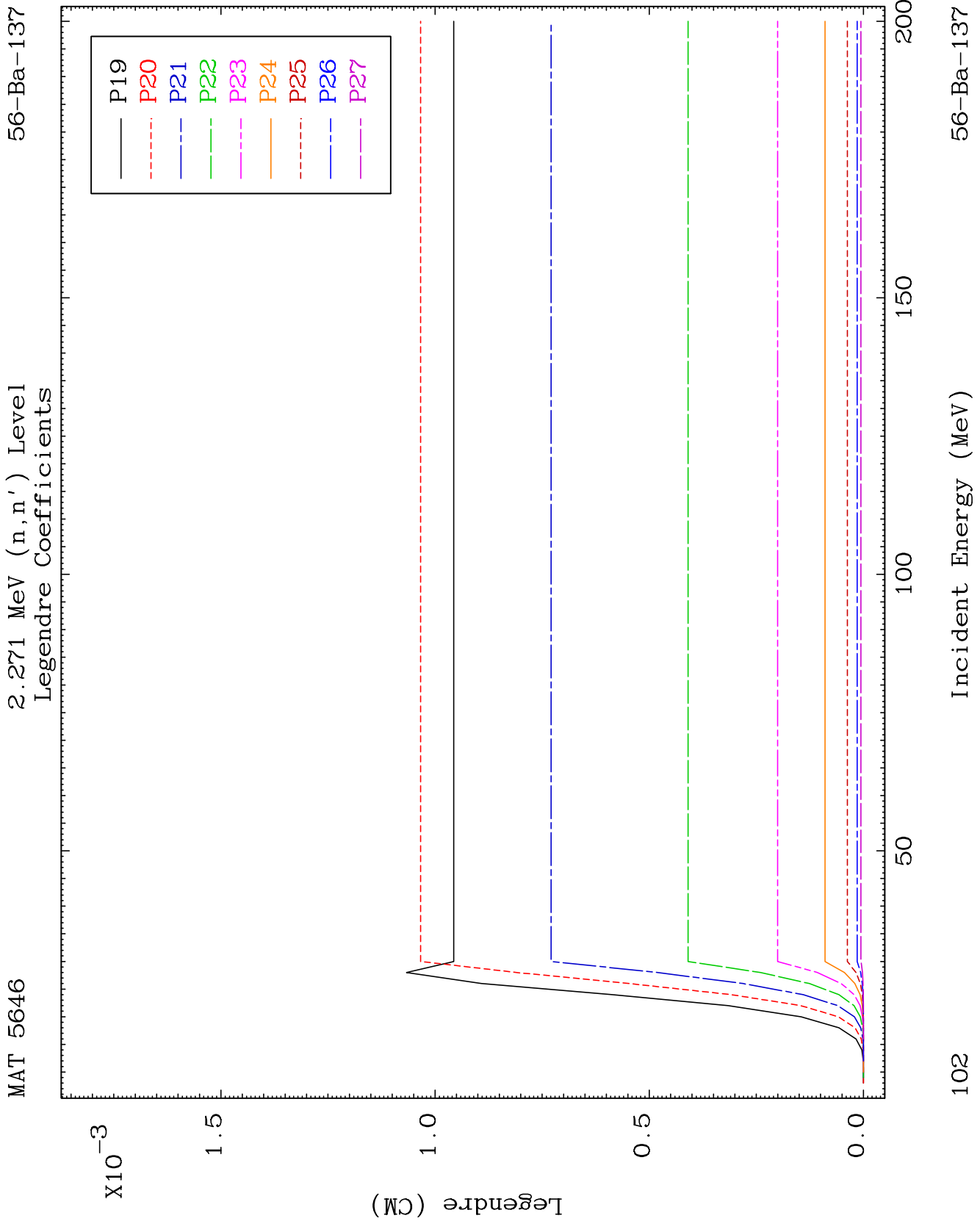
56-Ba-137

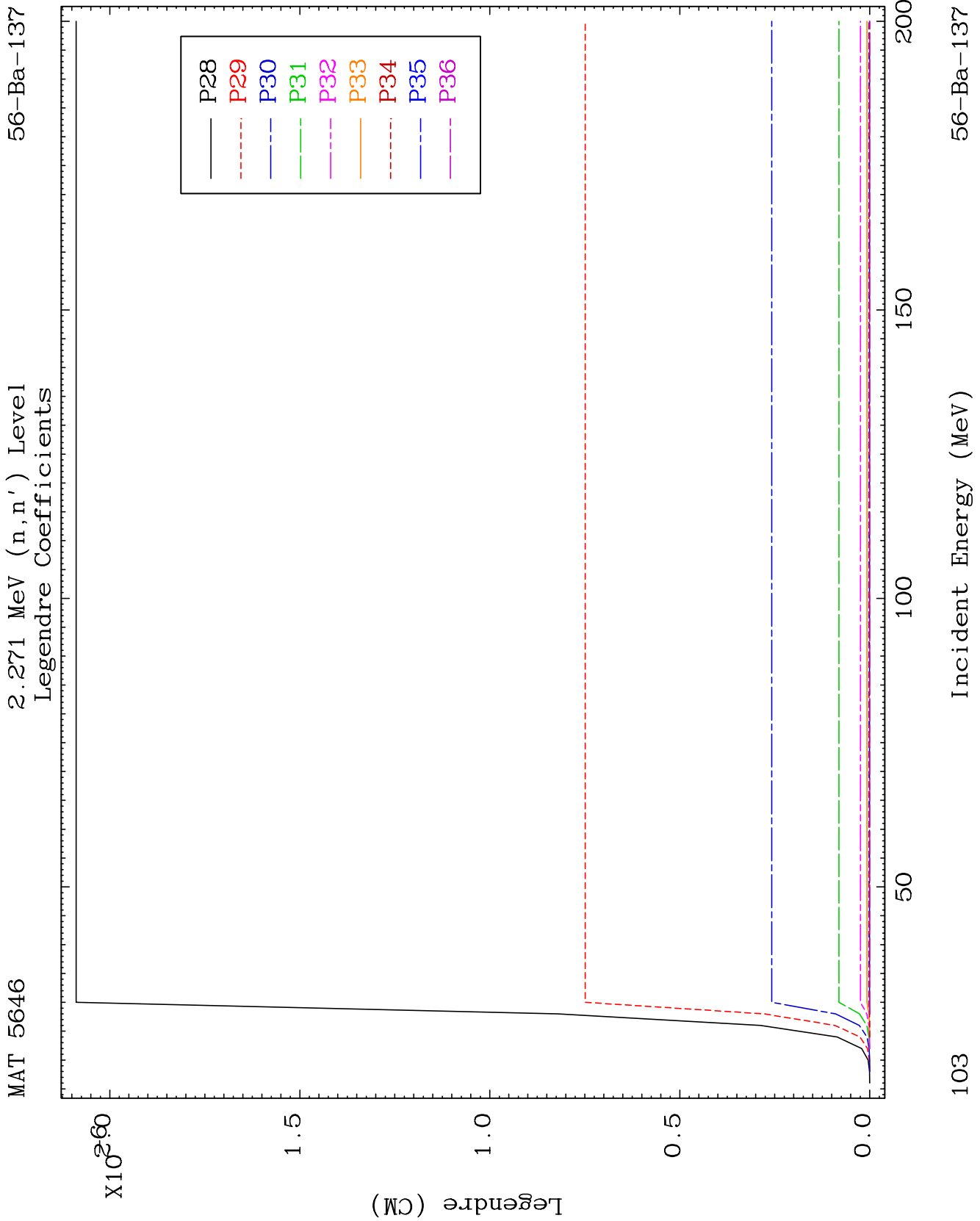


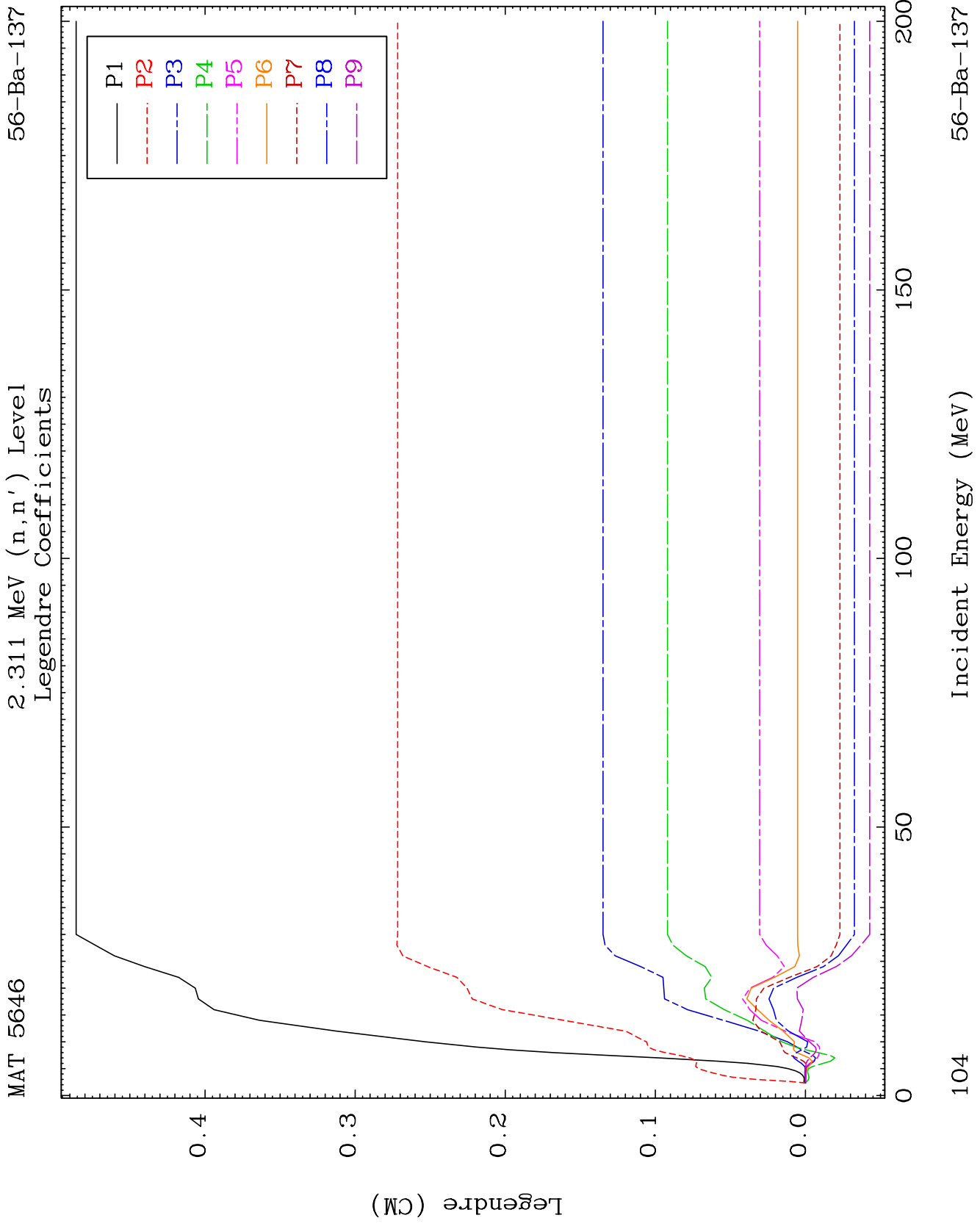


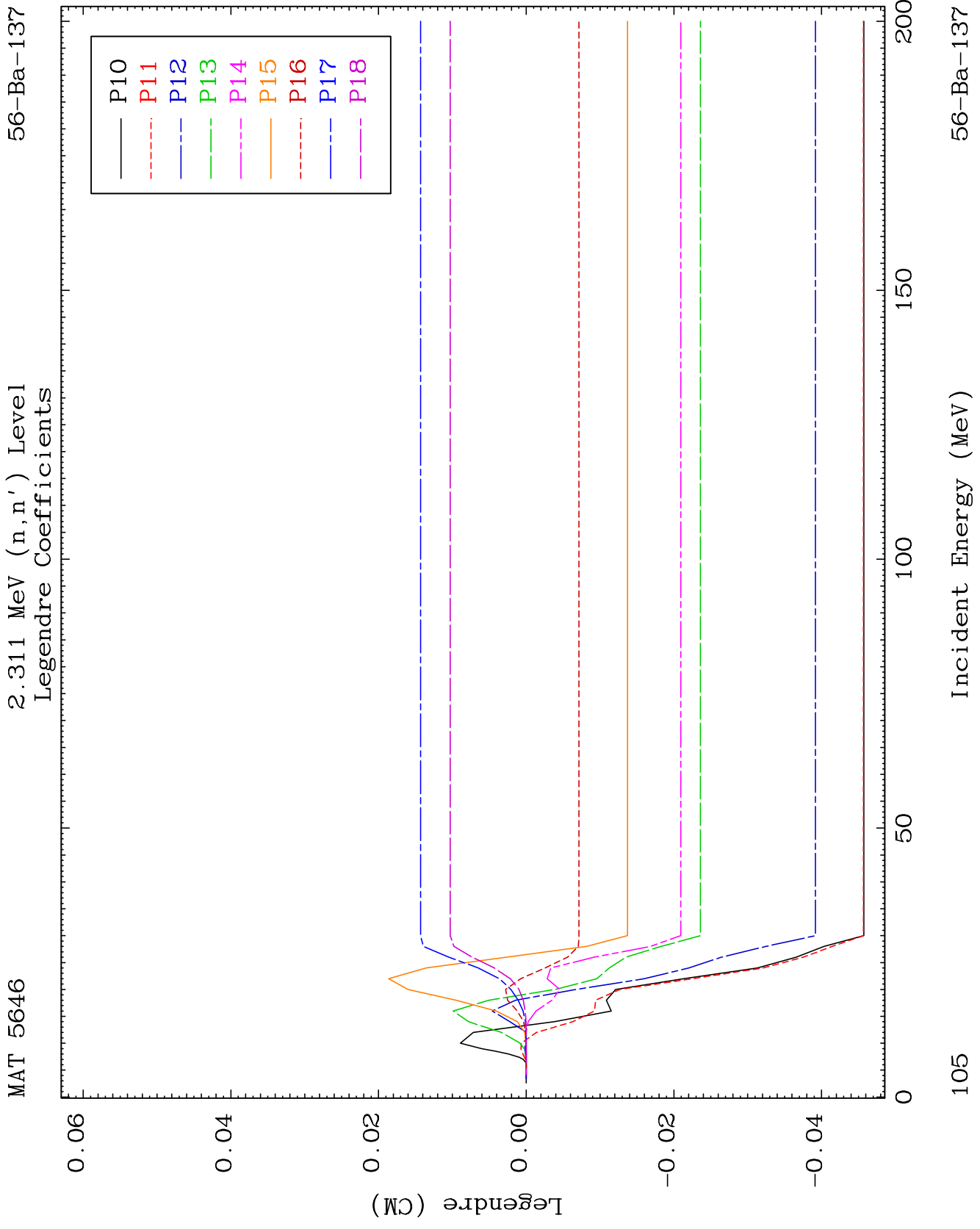








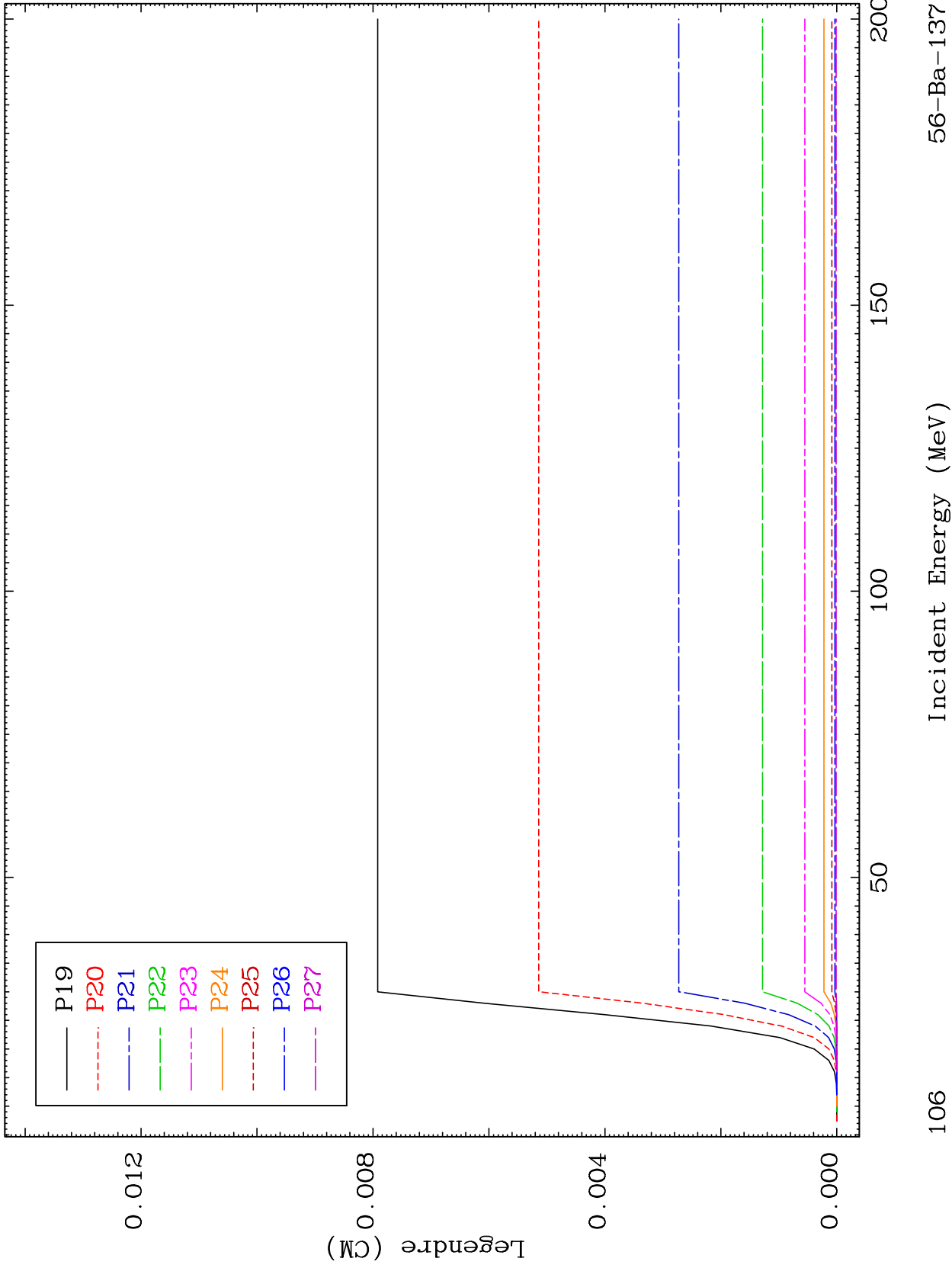




MAT 5646

2.311 MeV (n,n') Level
Legendre Coefficients

56-Ba-137



106

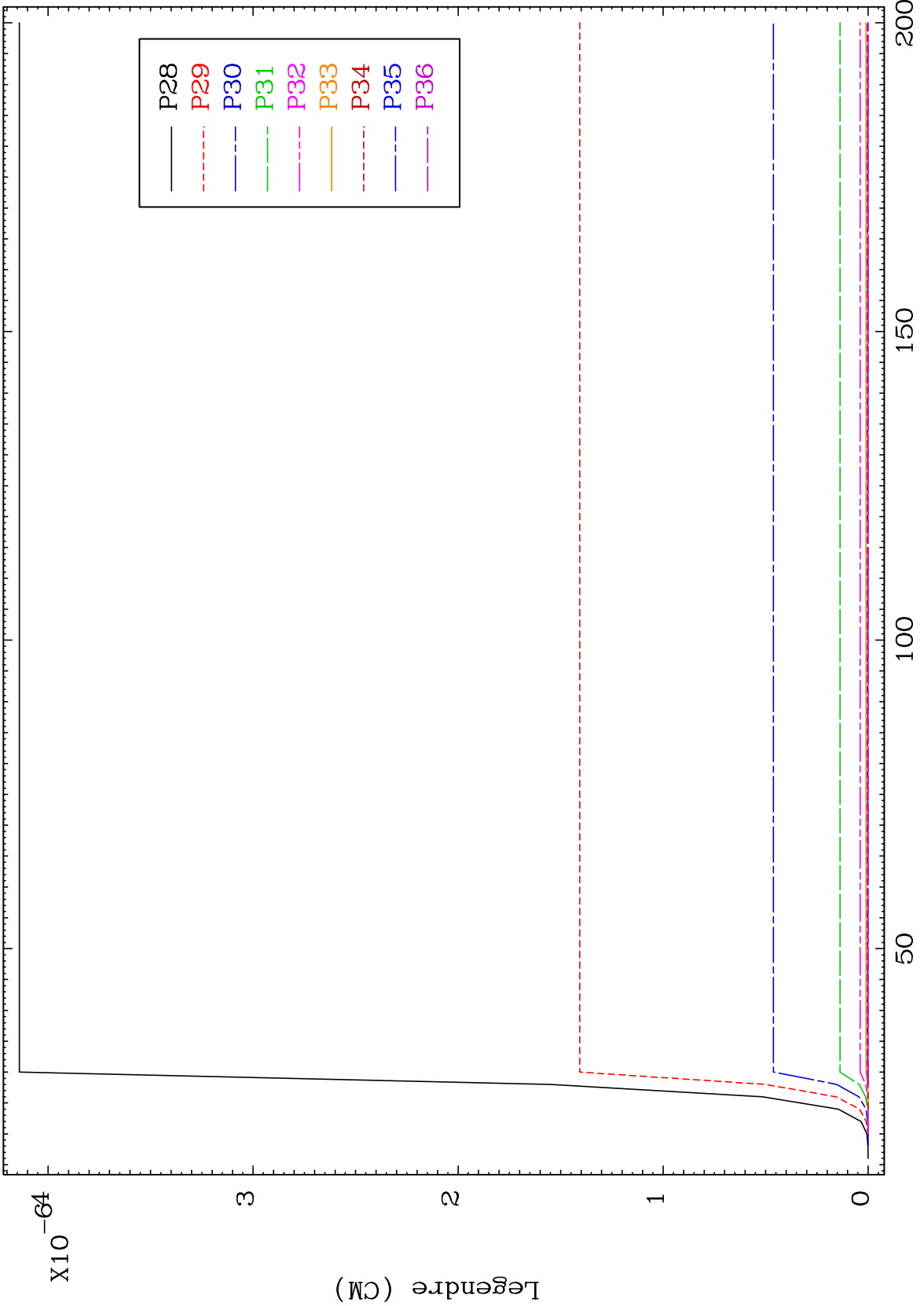
Incident Energy (MeV)

56-Ba-137

MAT 5646

2.311 MeV (n, n') Level
Legendre Coefficients

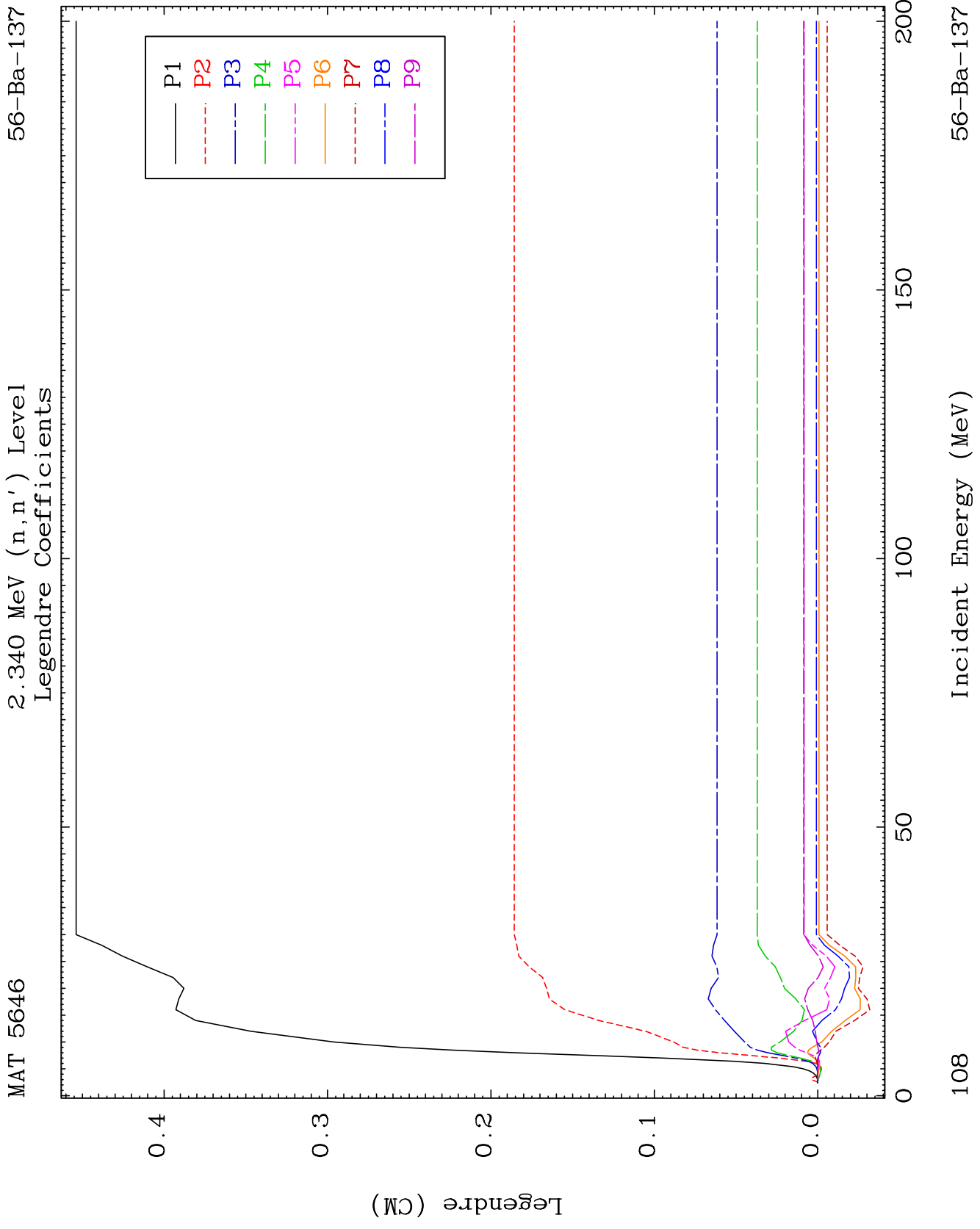
56-Ba-137

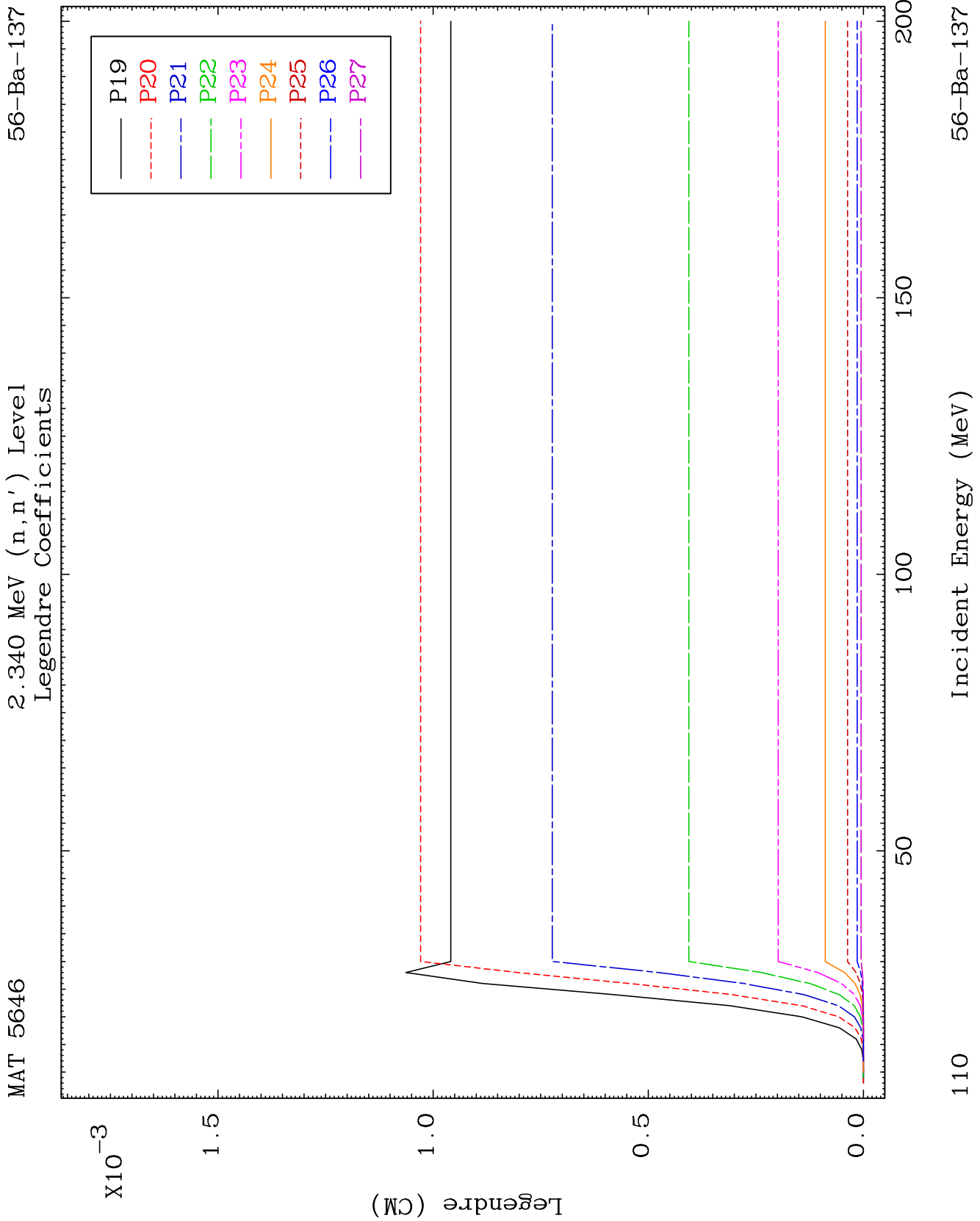


56-Ba-137

Incident Energy (MeV)

107

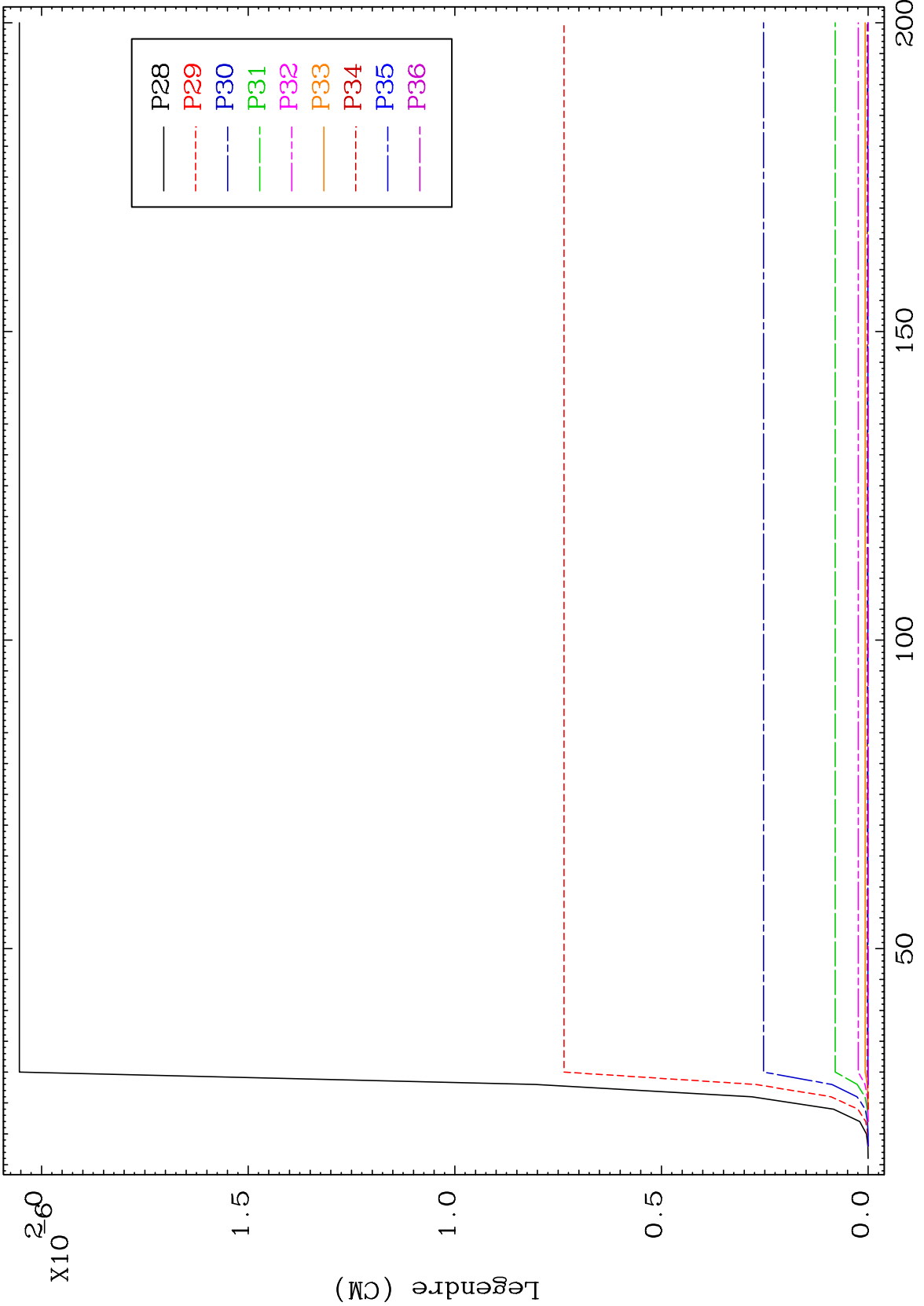




MAT 5646

2.340 MeV (n, n') Level
Legendre Coefficients

56-Ba-137



56-Ba-137

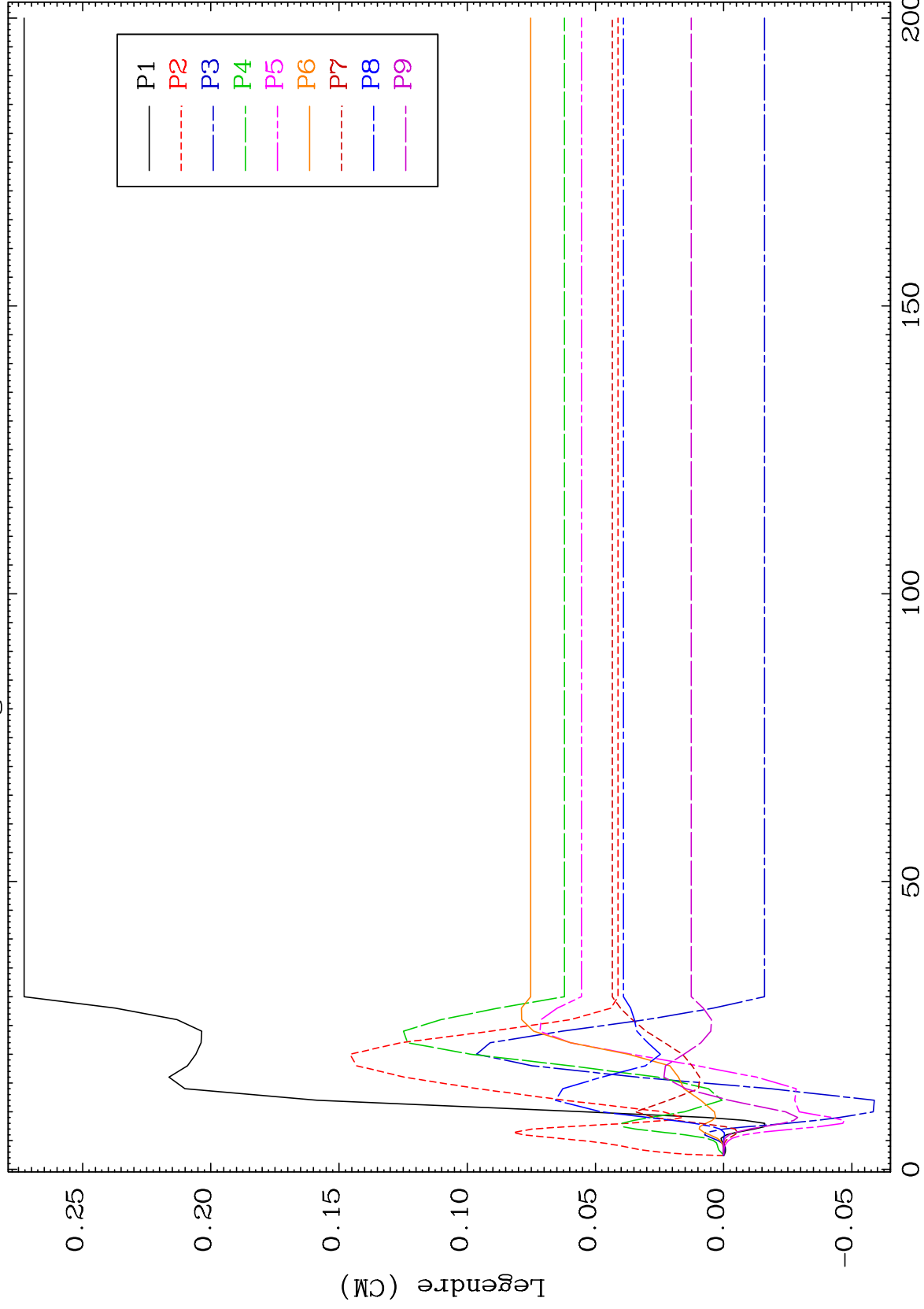
Incident Energy (MeV)

111

MAT 5646

2.344 MeV (n,n') Level
Legendre Coefficients

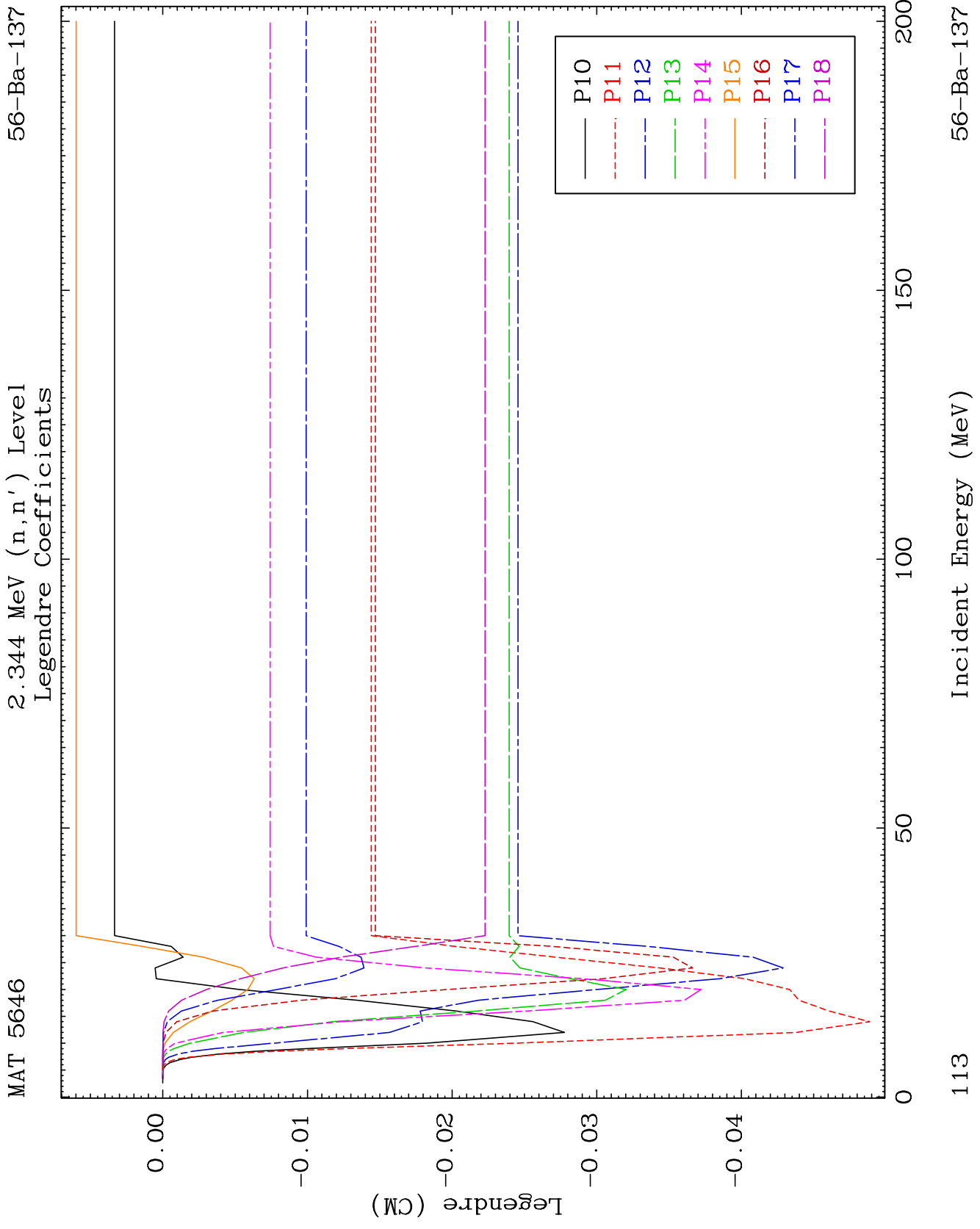
56-Ba-137

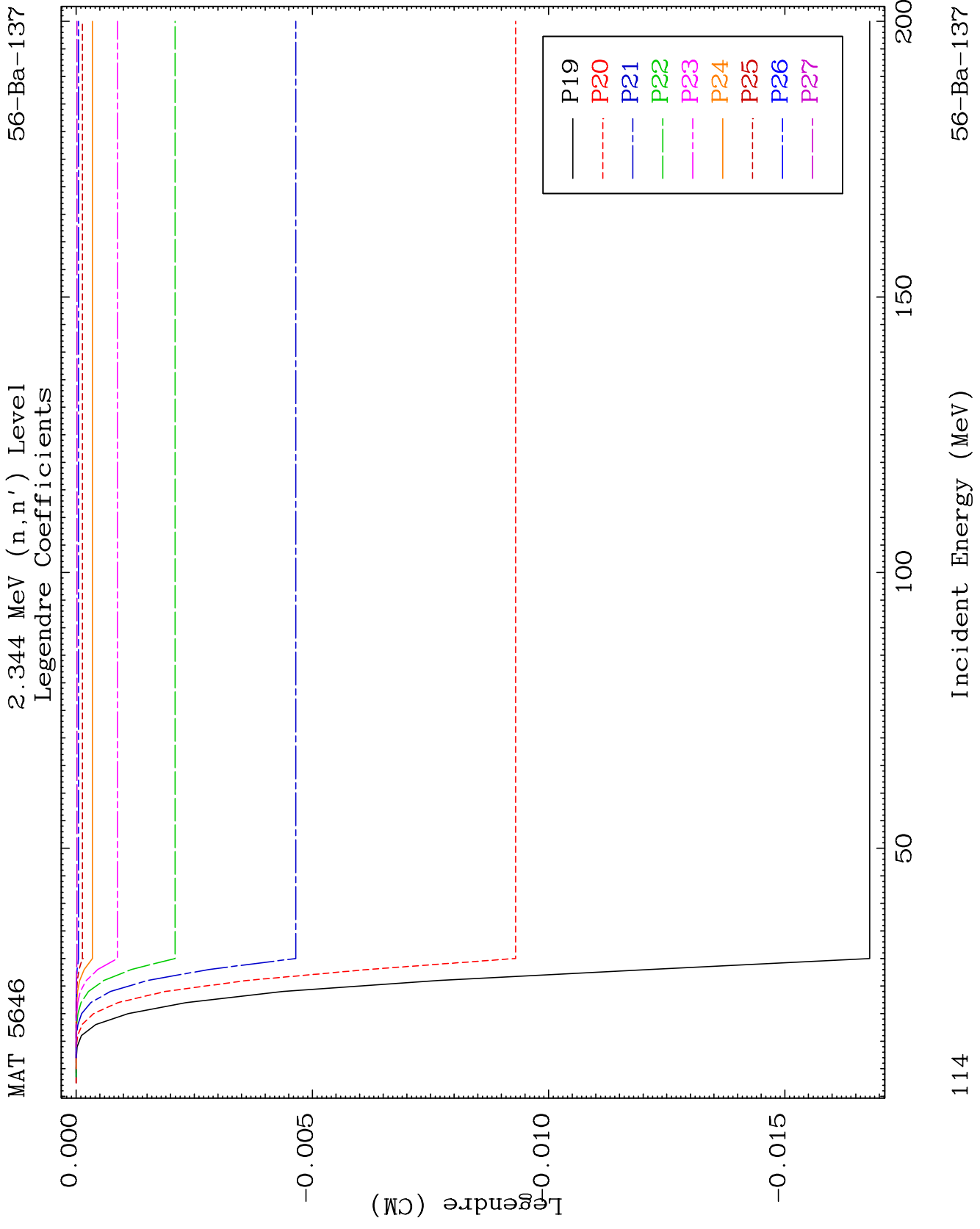


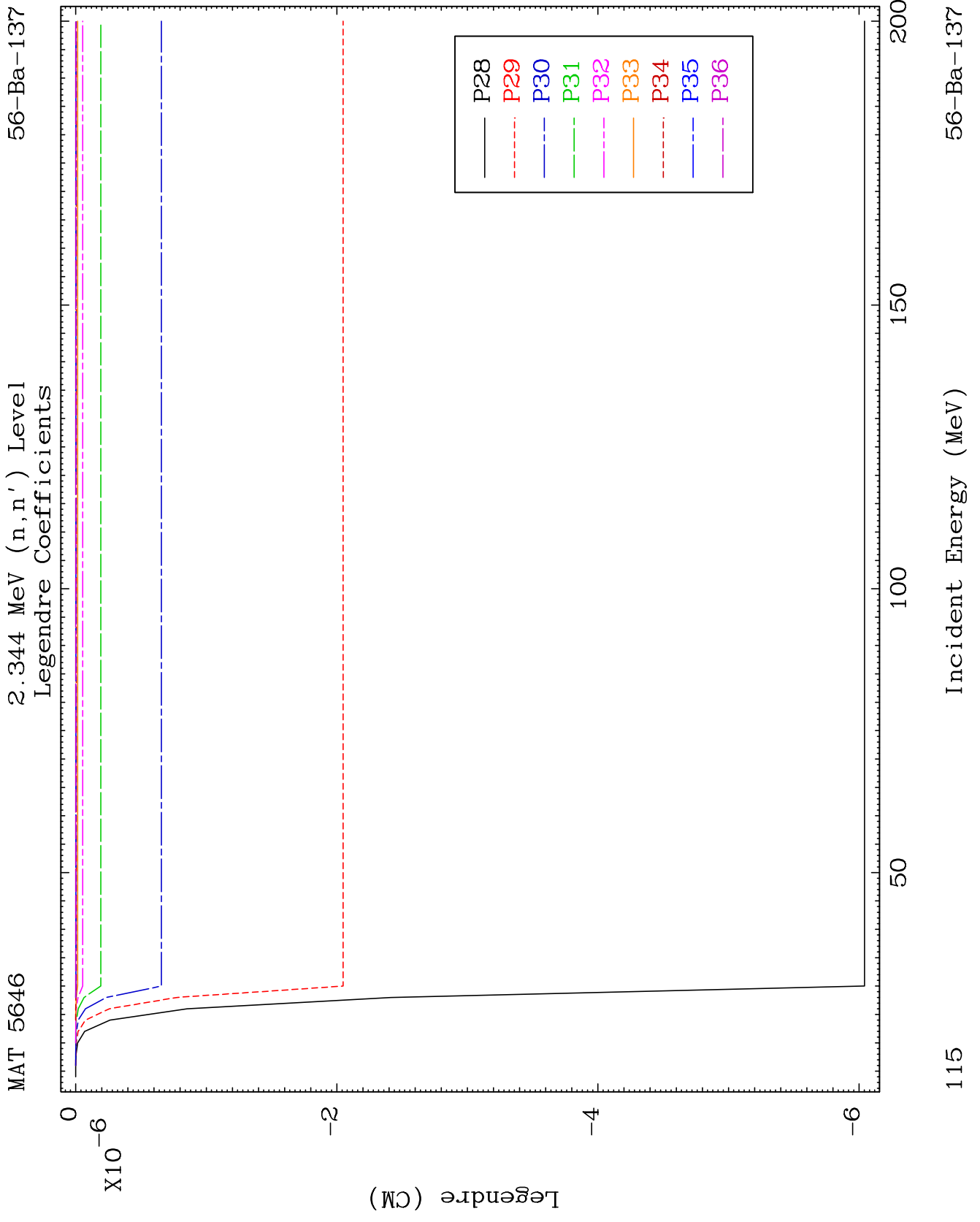
56-Ba-137

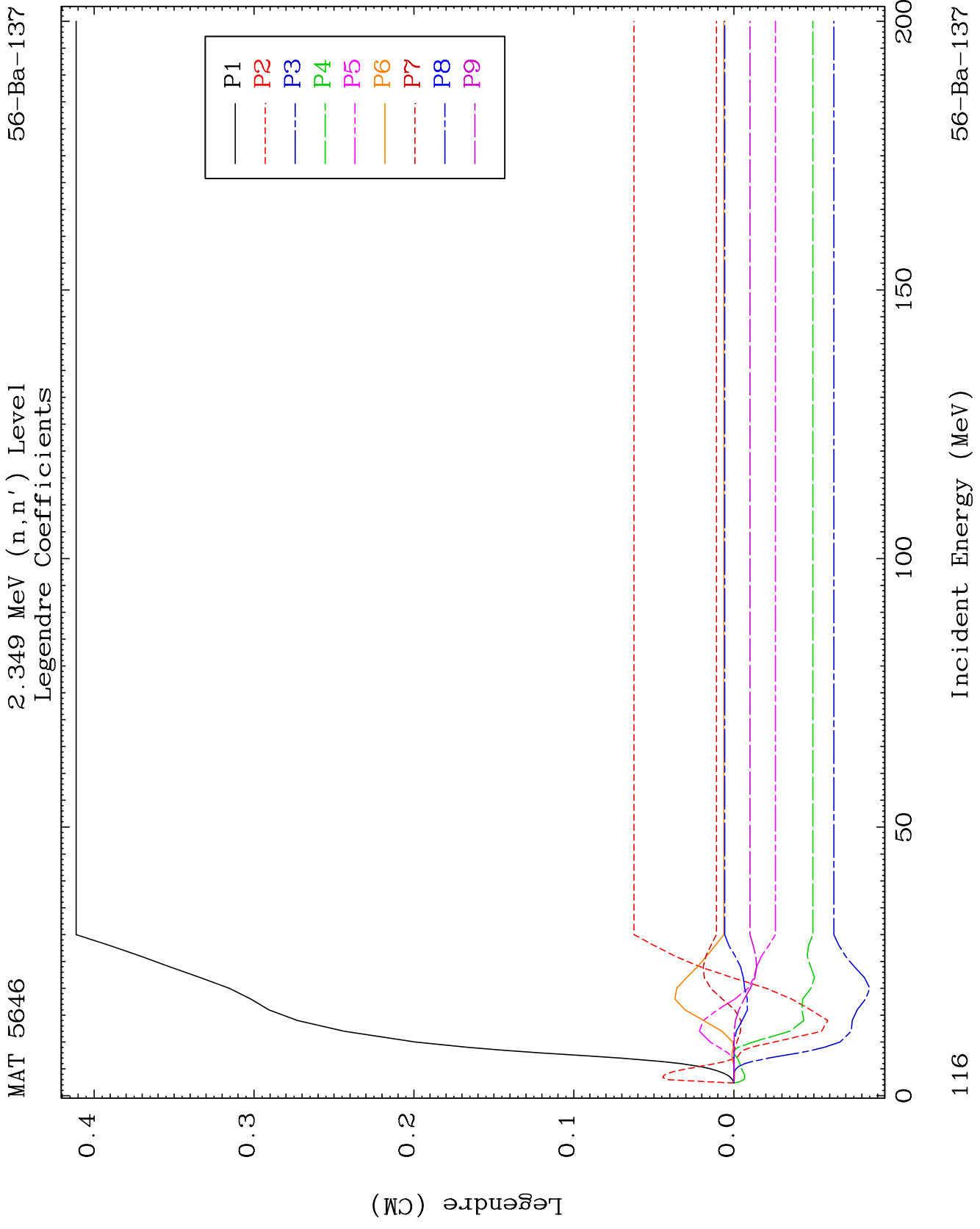
Incident Energy (MeV)

112





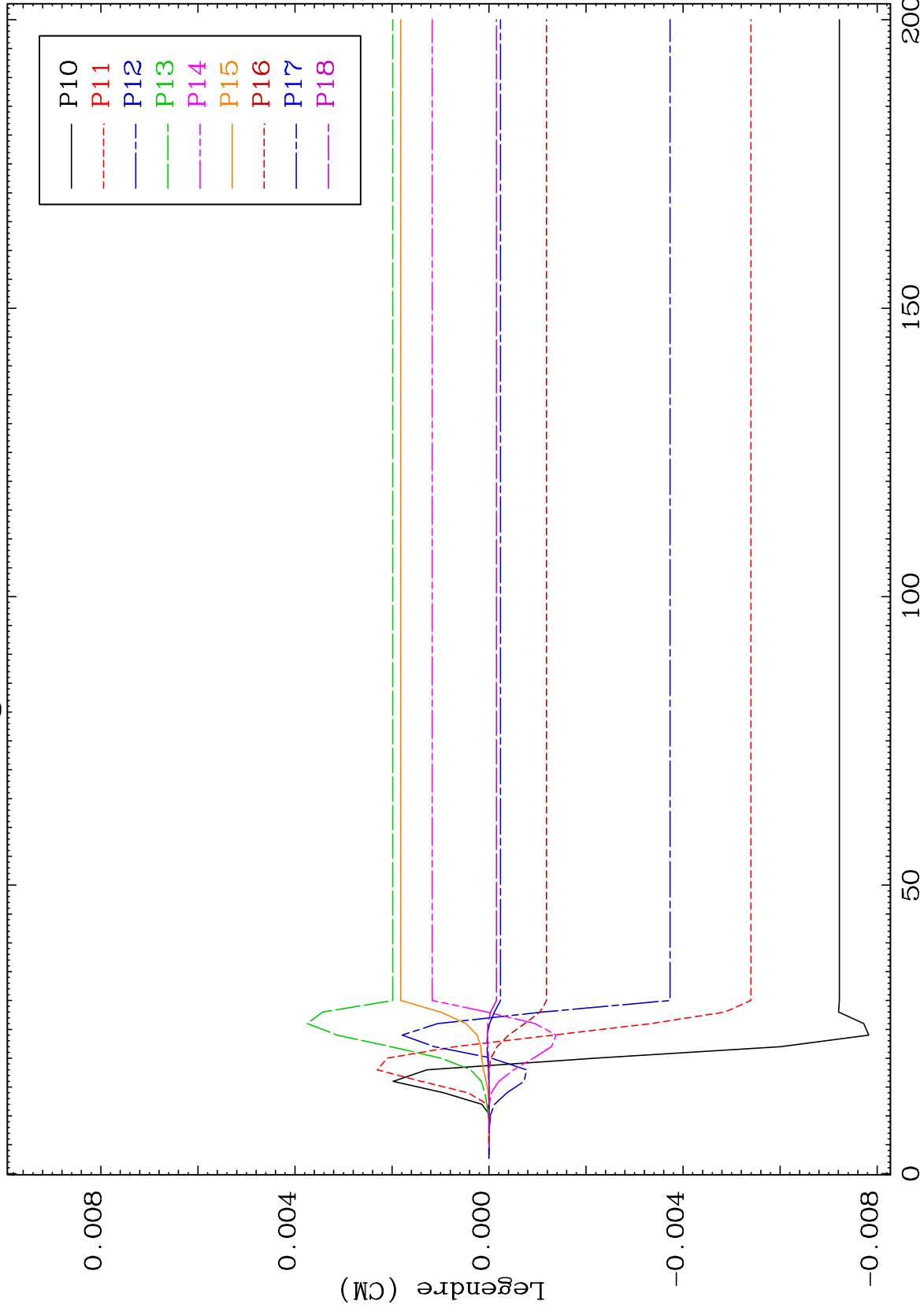




MAT 5646

2.349 MeV (n,n') Level
Legendre Coefficients

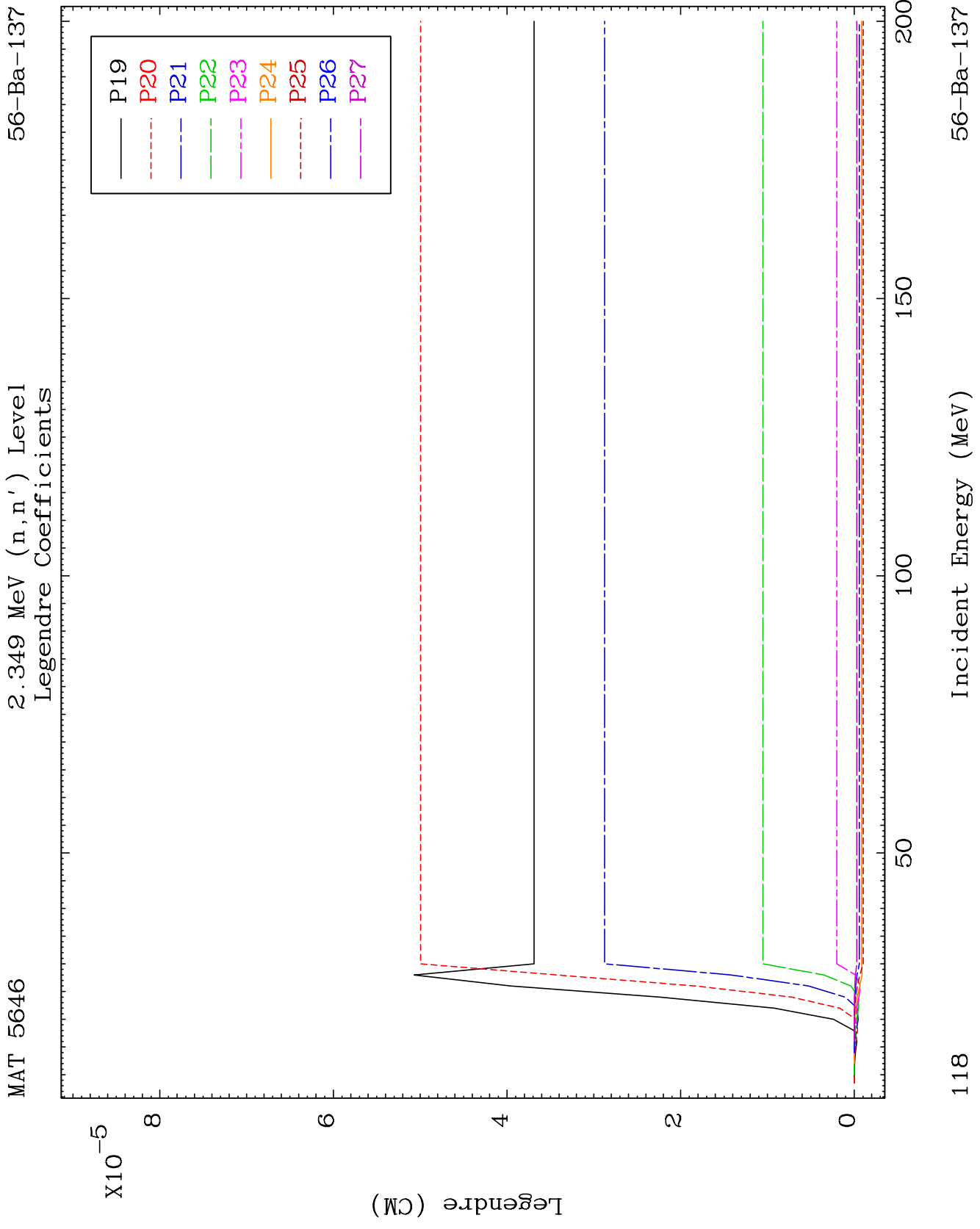
56-Ba-137

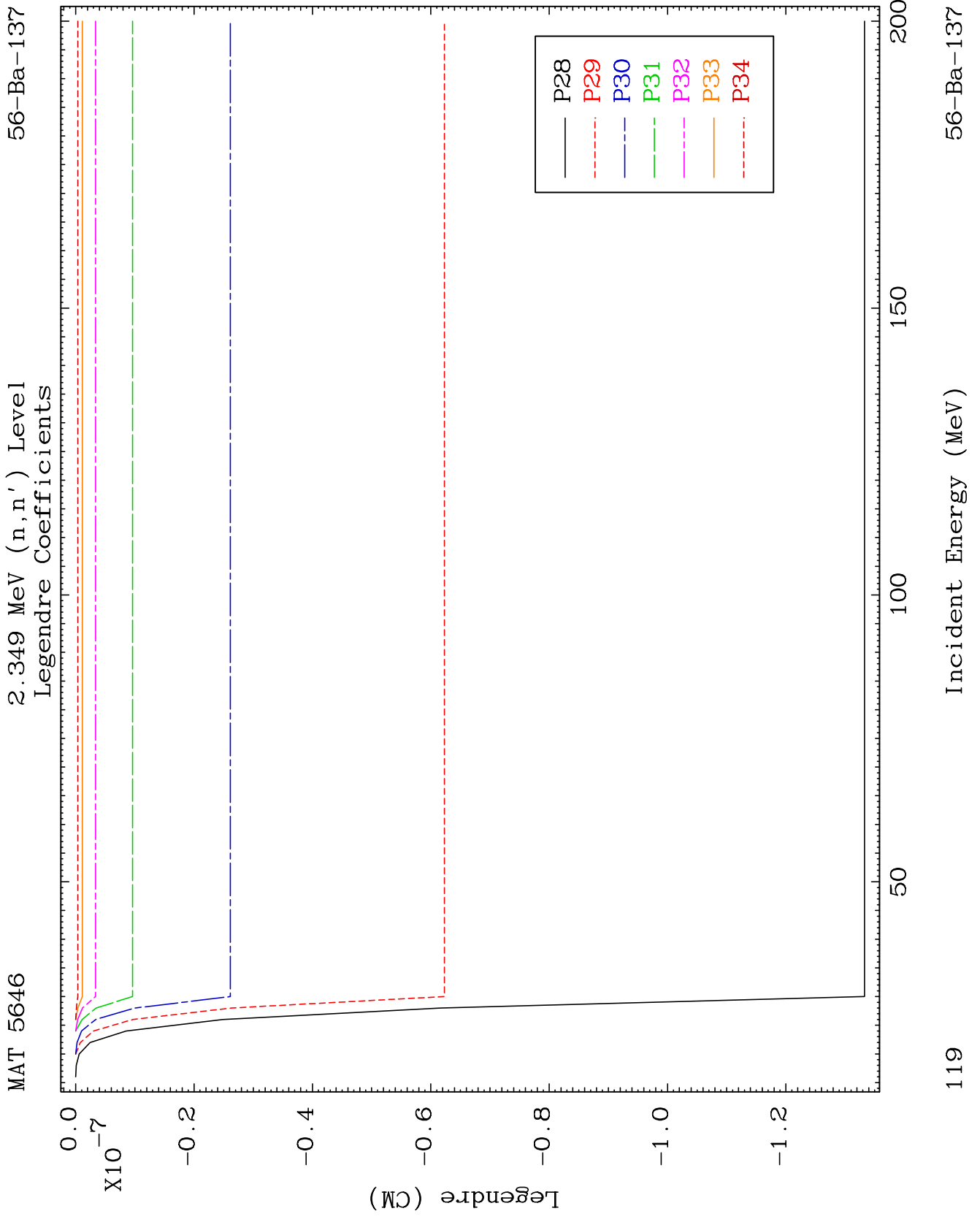


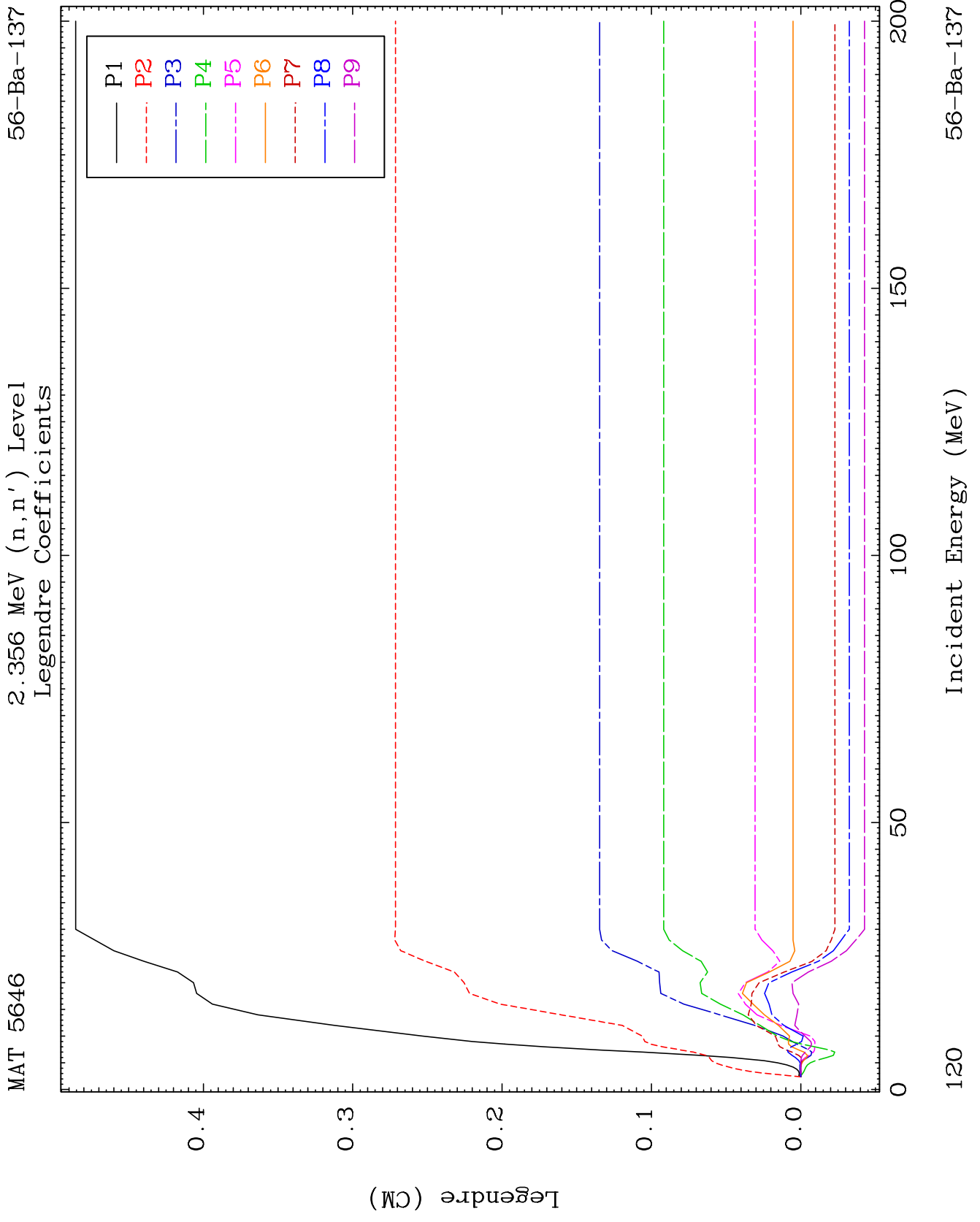
117

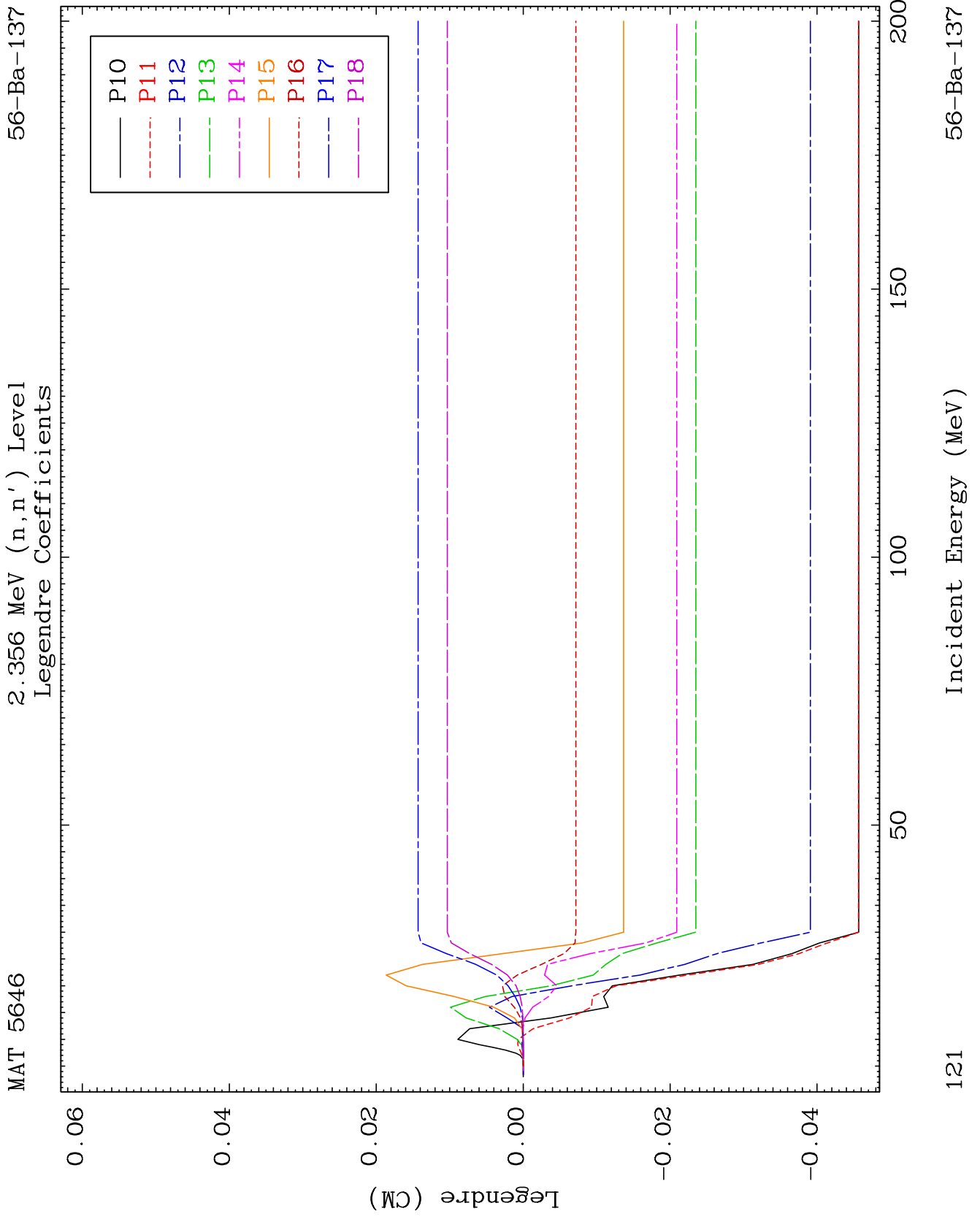
Incident Energy (MeV)

56-Ba-137





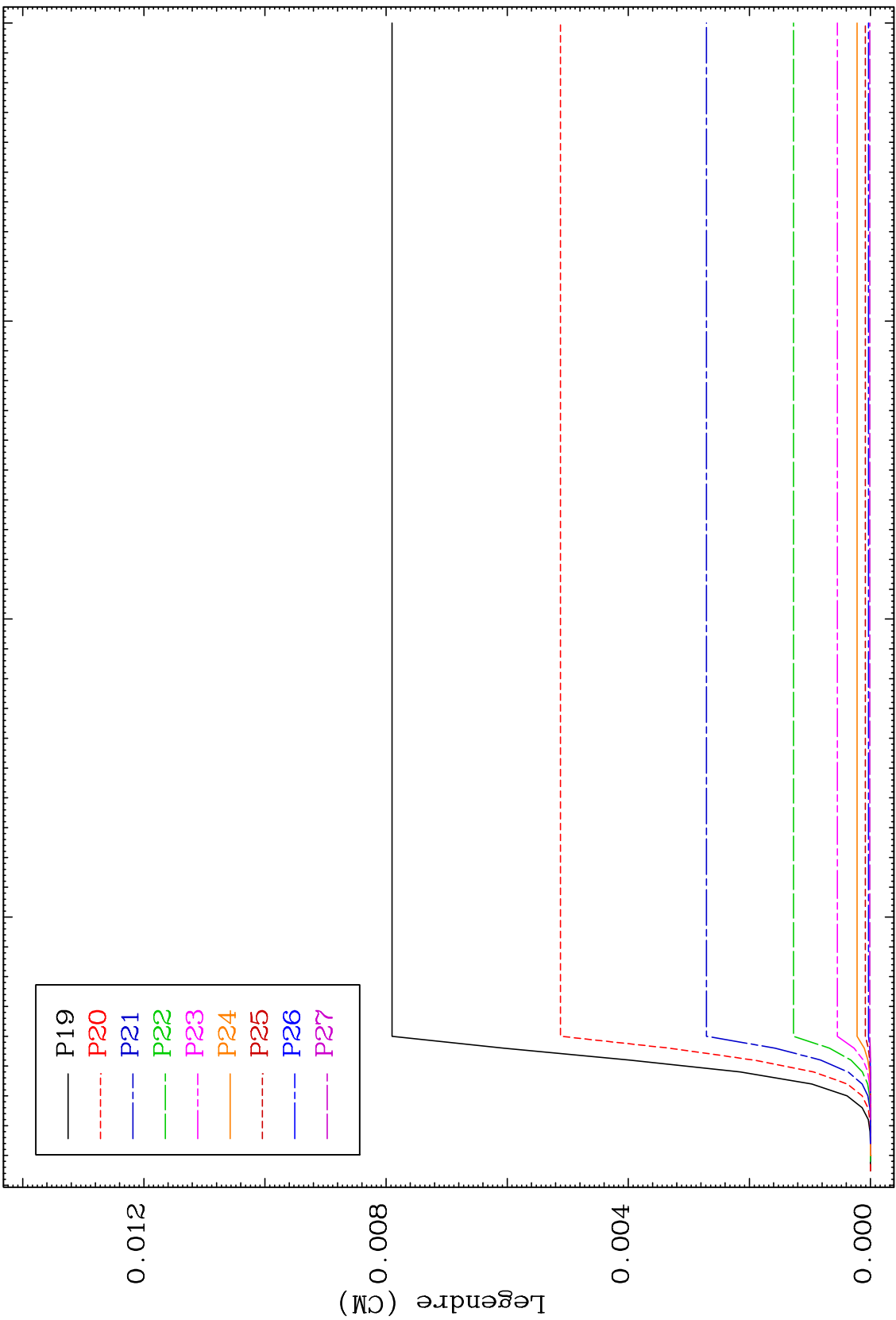




MAT 5646

2.356 MeV (n,n') Level Legendre Coefficients

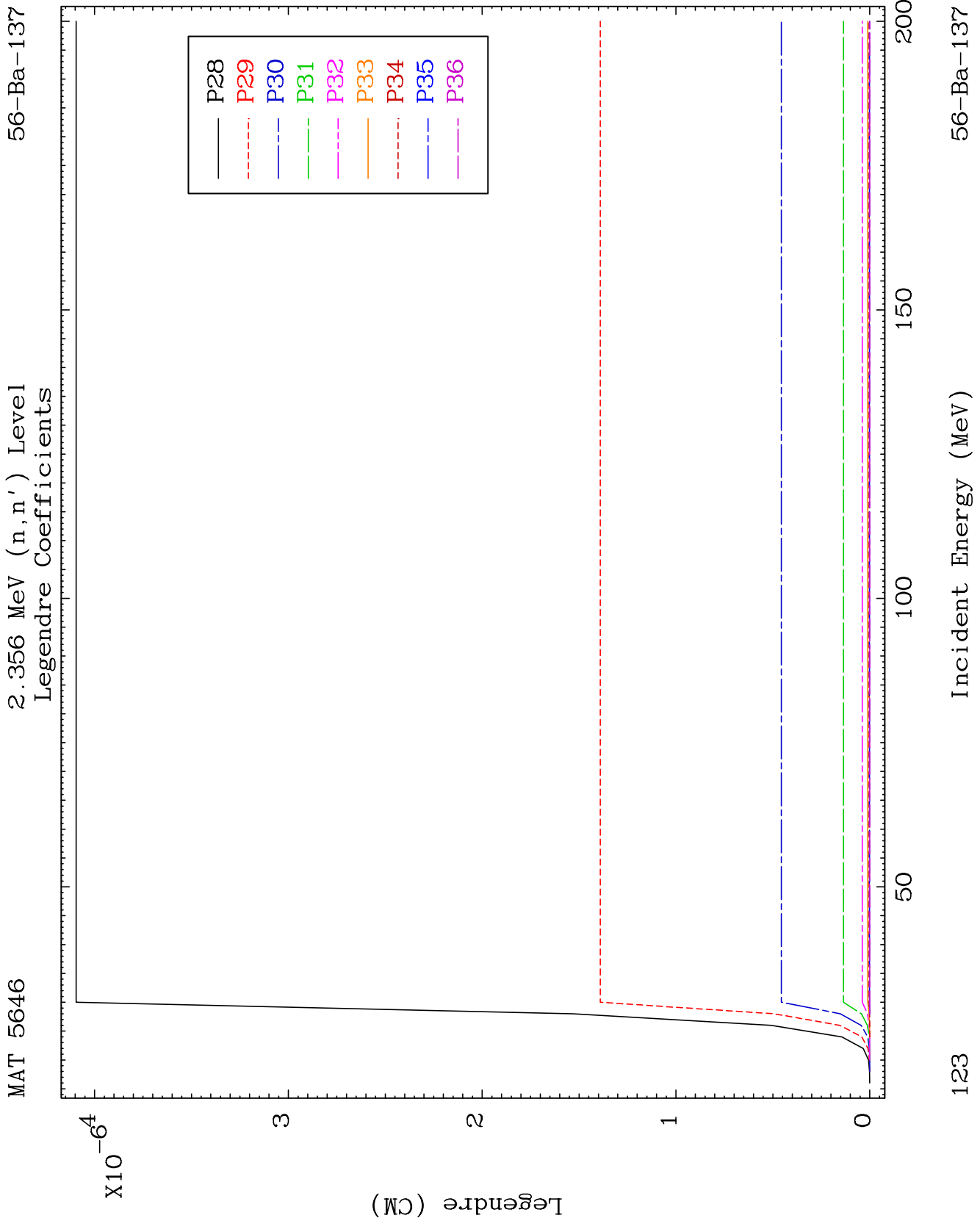
56-Ba-137

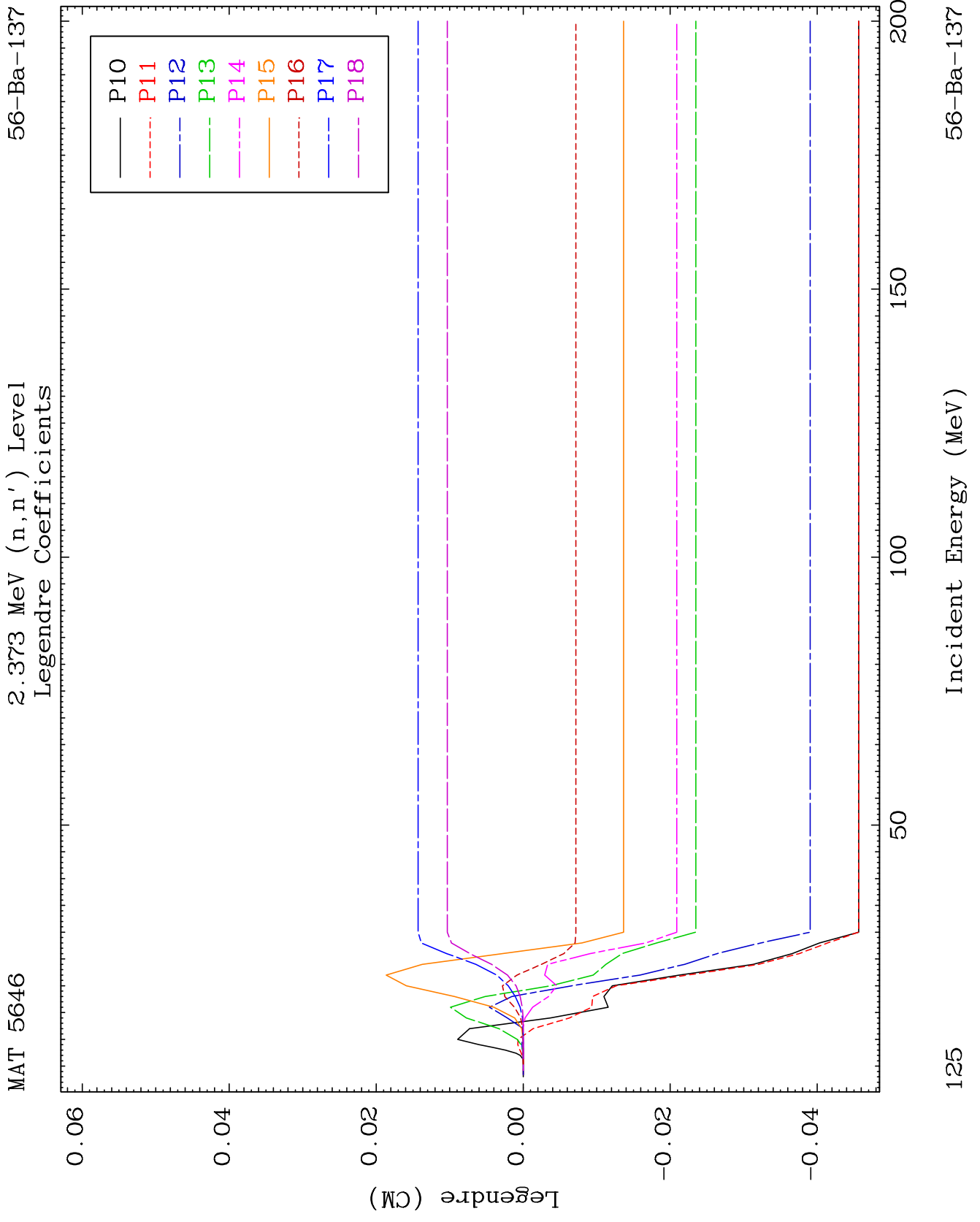


122

Incident Energy (MeV)

56-Ba-137

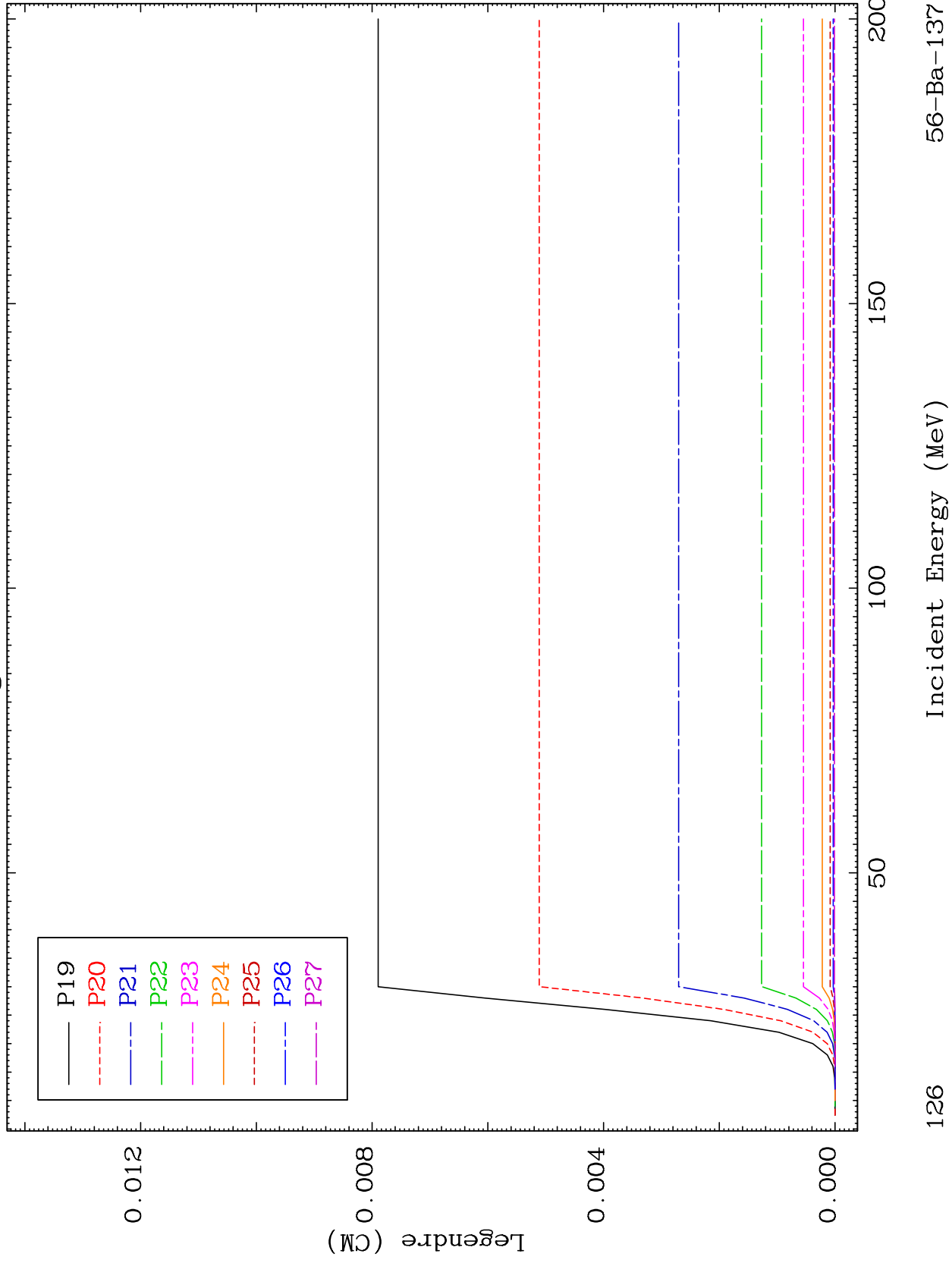




MAT 5646

2.373 MeV (n,n') Level
Legendre Coefficients

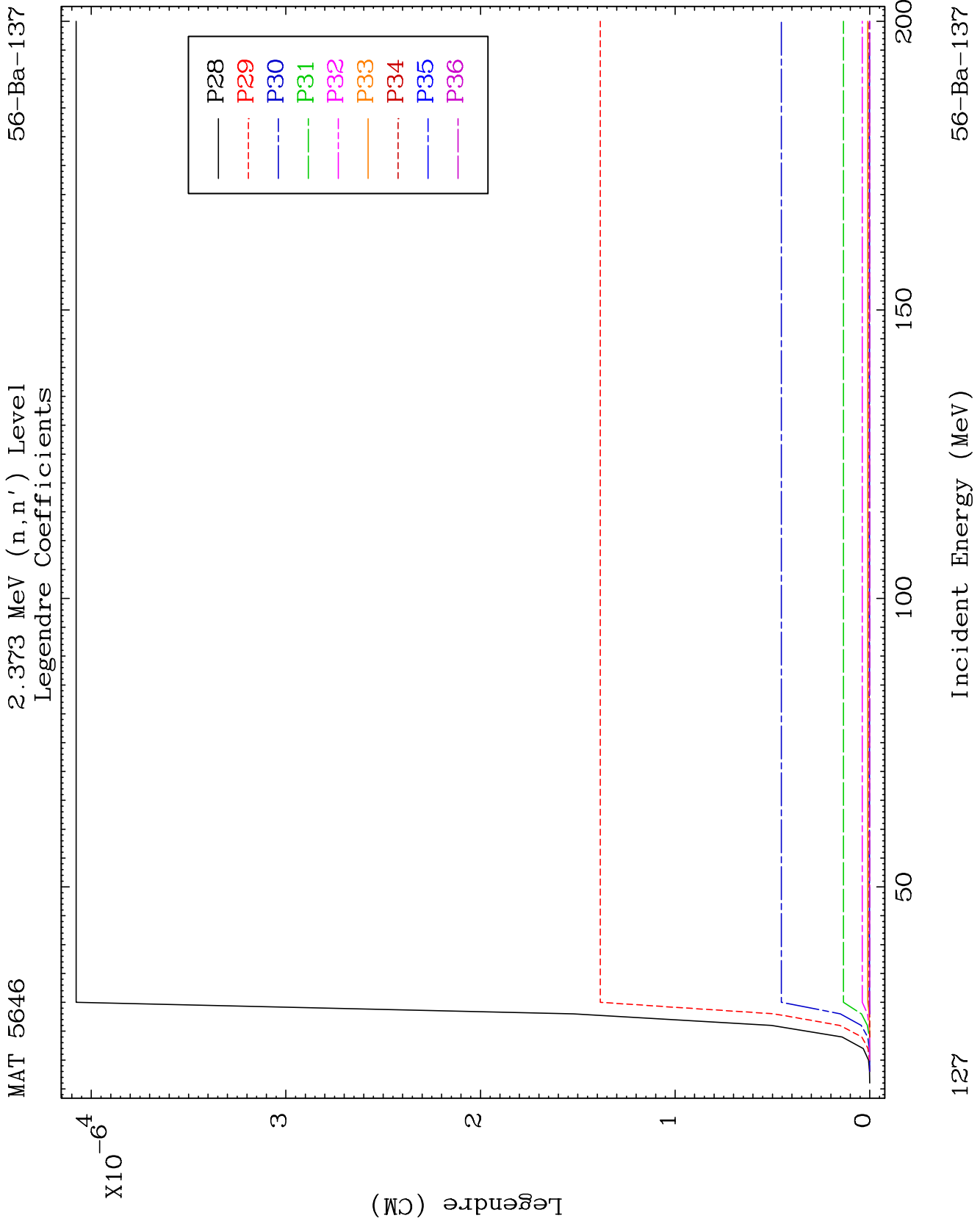
56-Ba-137

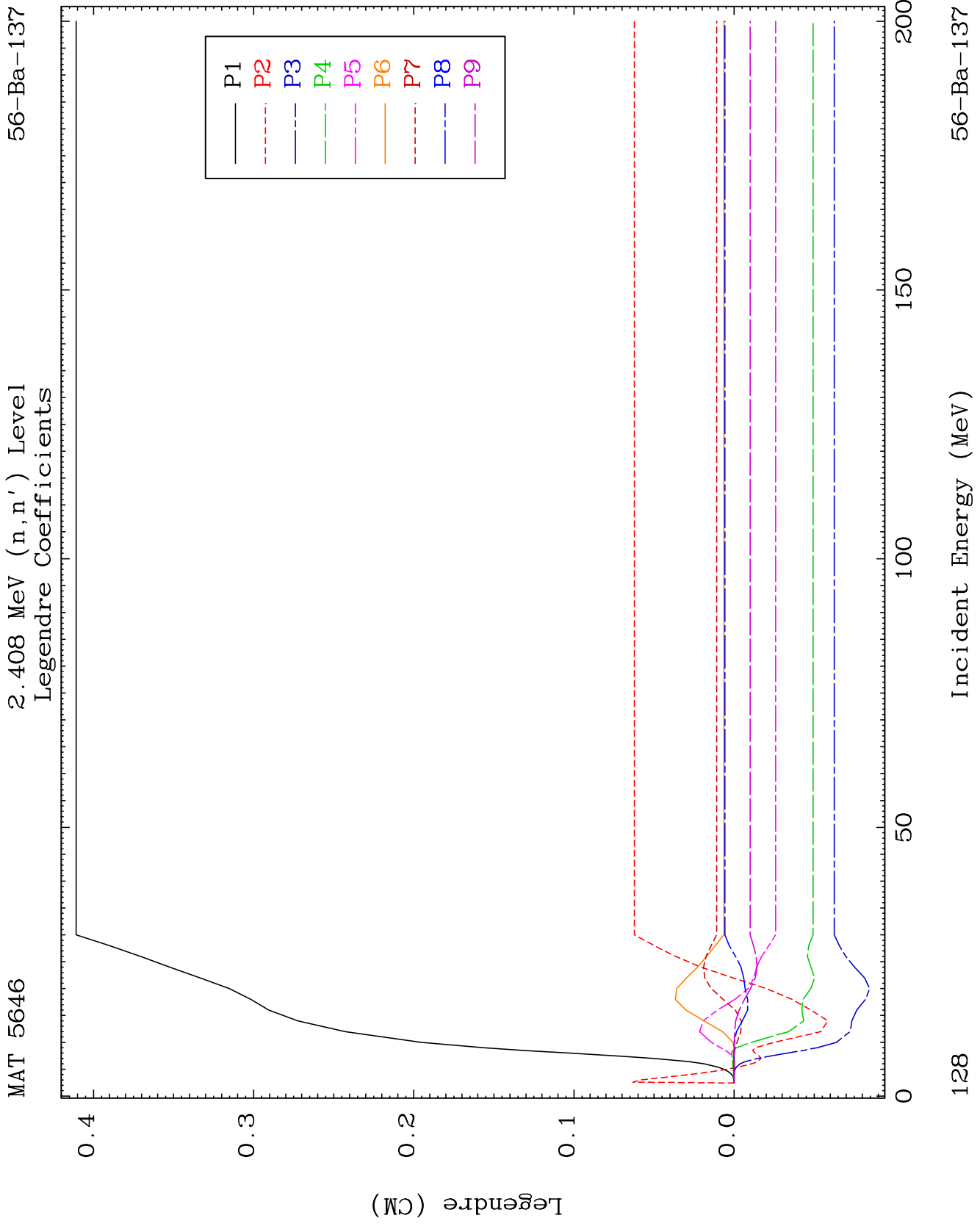


126

Incident Energy (MeV)

56-Ba-137

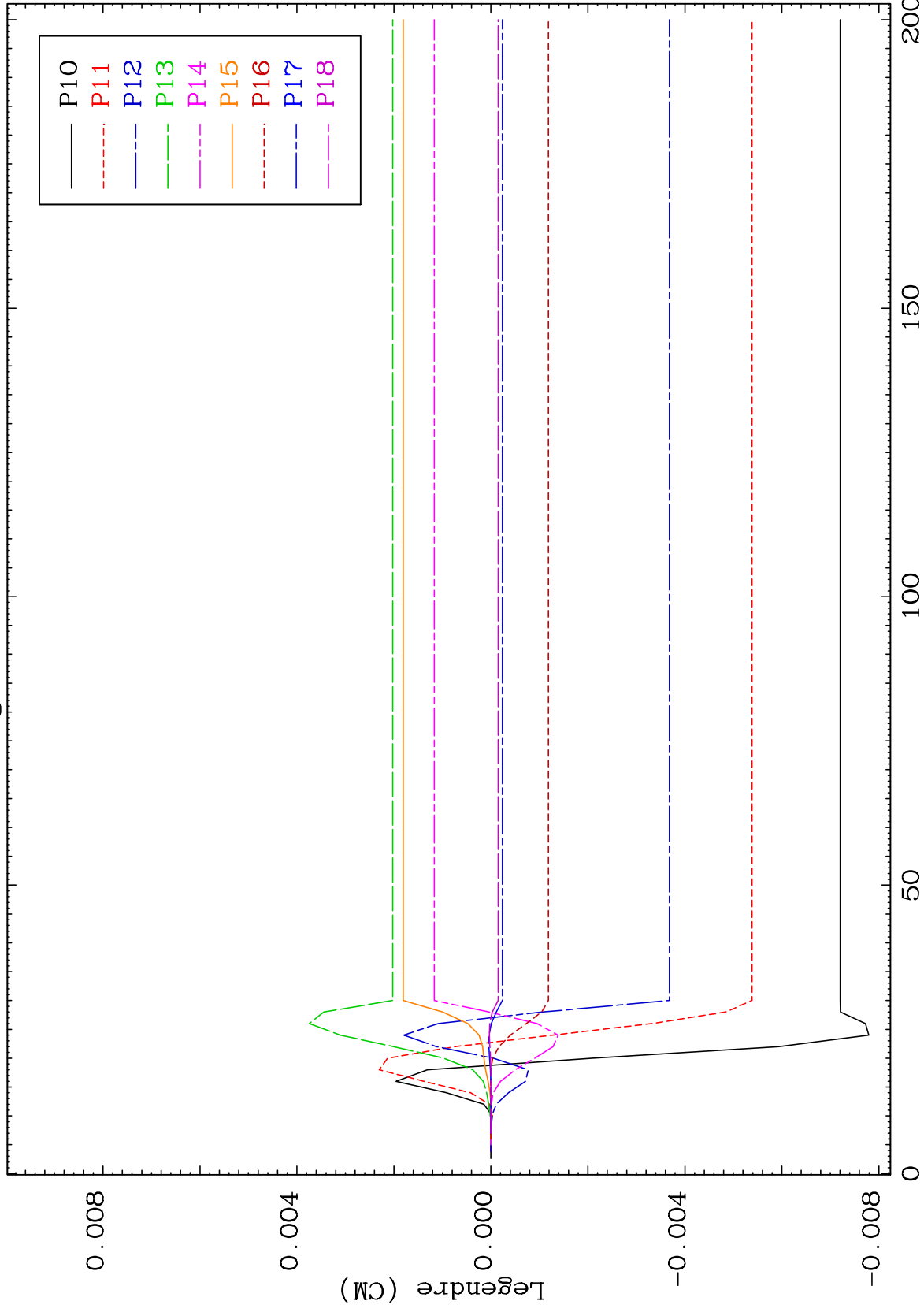




MAT 5646

2.408 MeV (n,n') Level
Legendre Coefficients

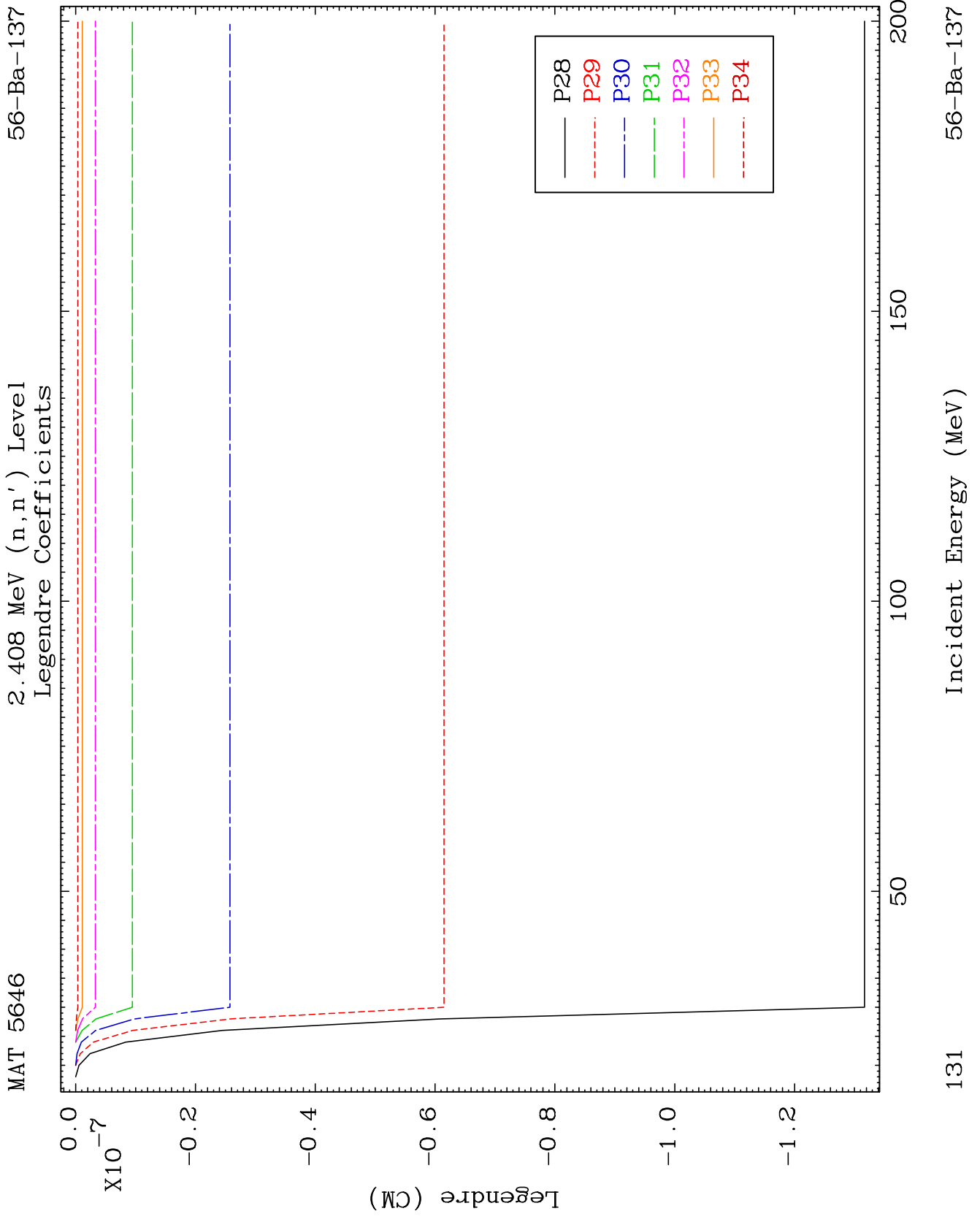
56-Ba-137

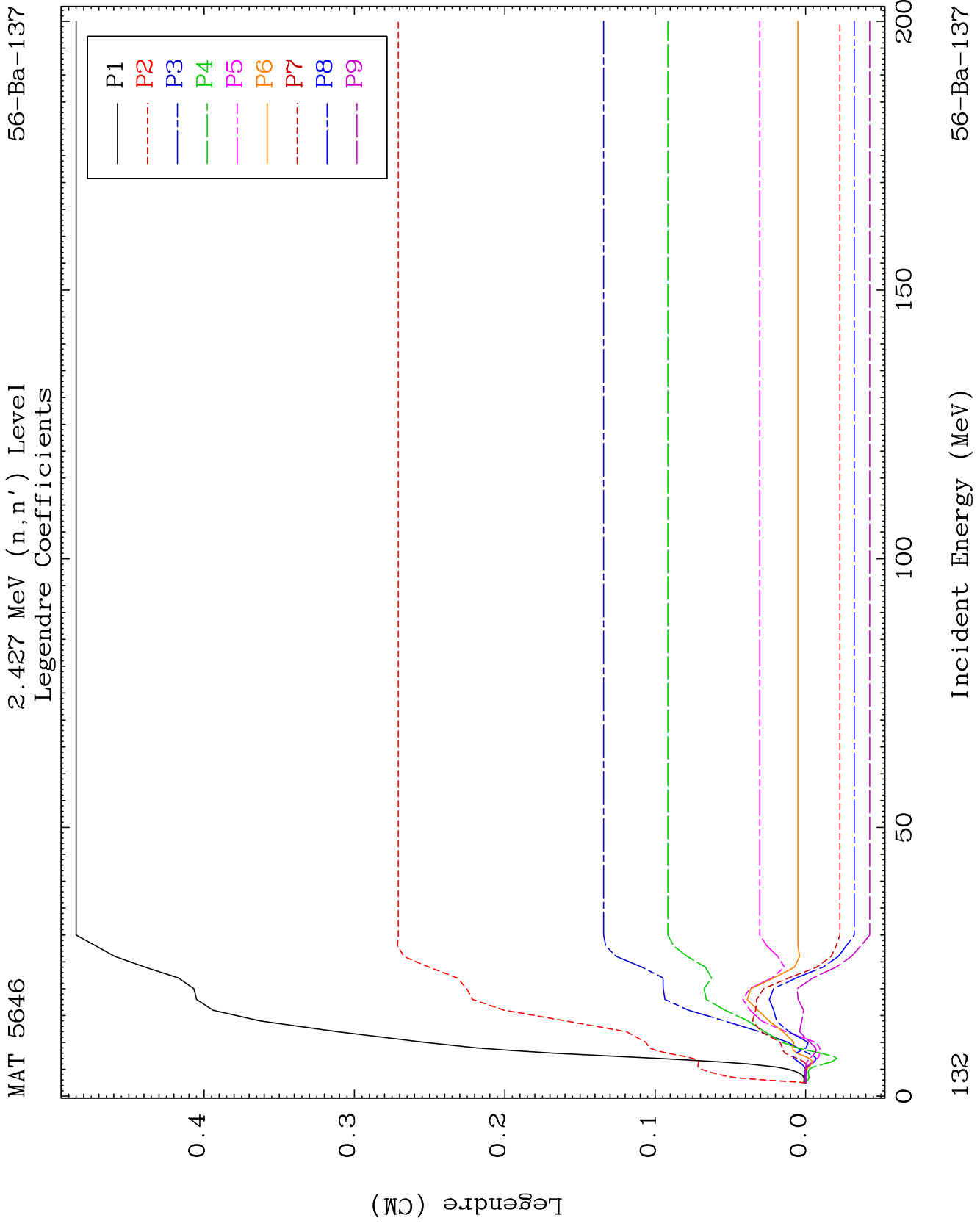


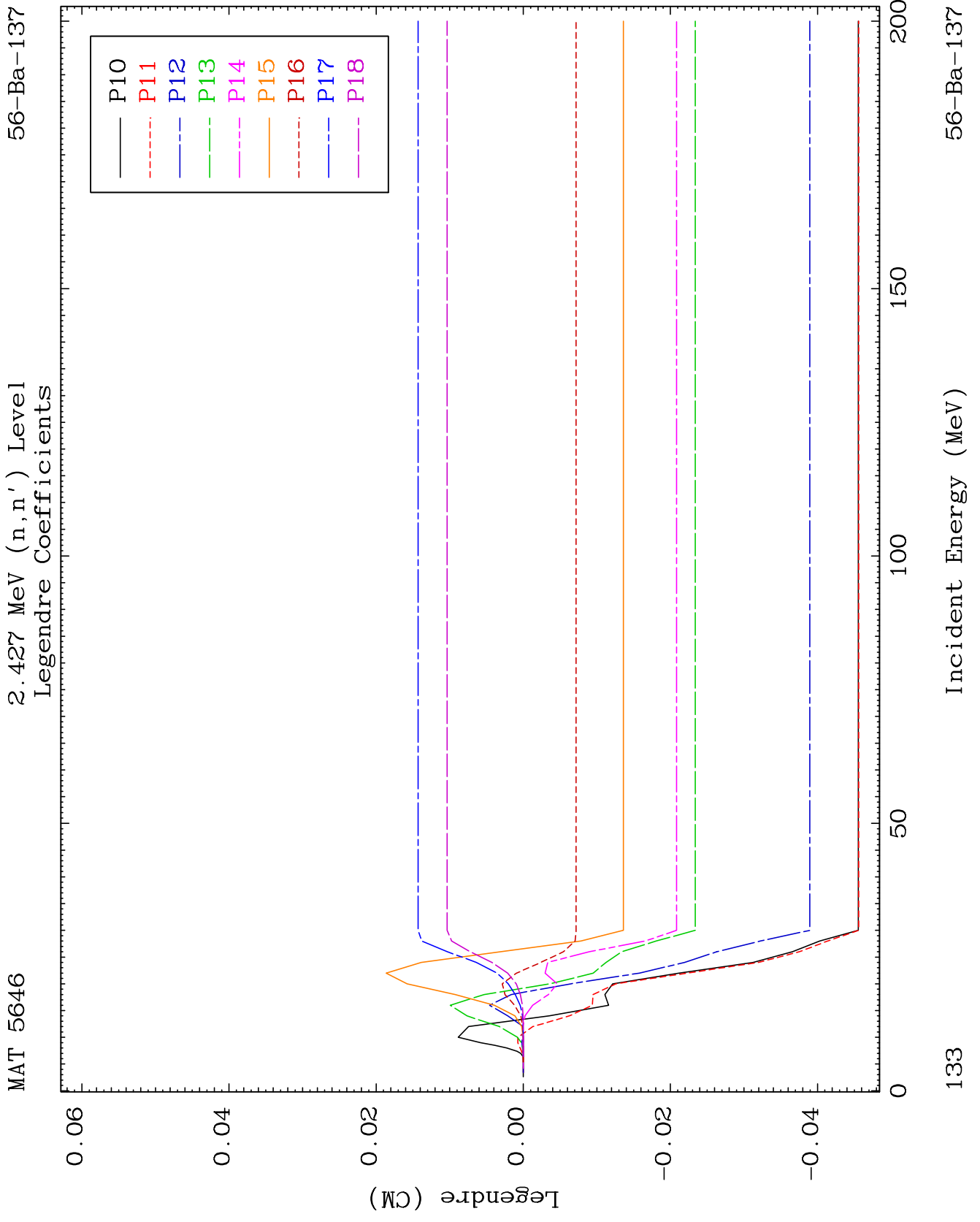
129

Incident Energy (MeV)

56-Ba-137



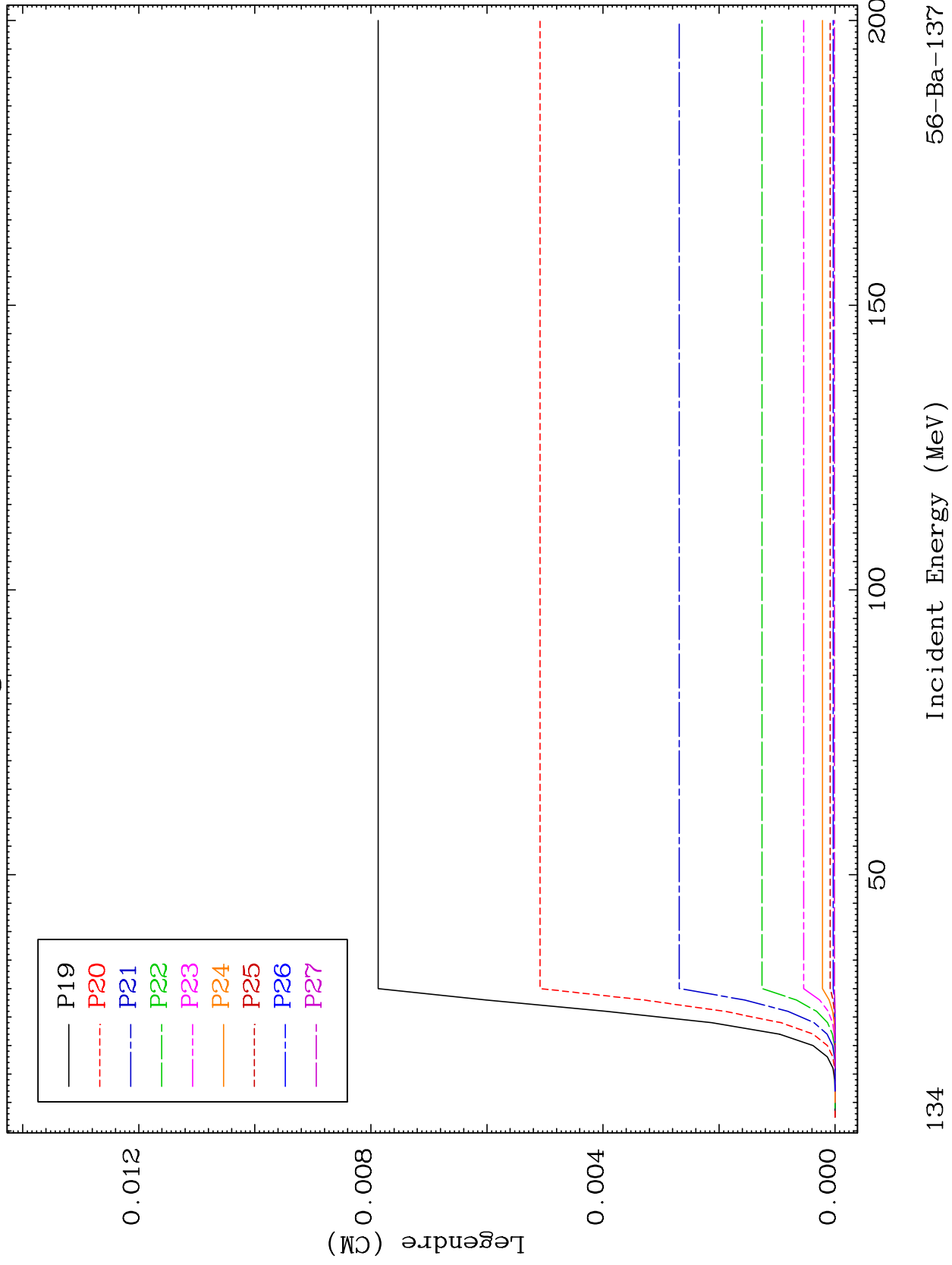




MAT 5646

2.427 MeV (n,n') Level
Legendre Coefficients

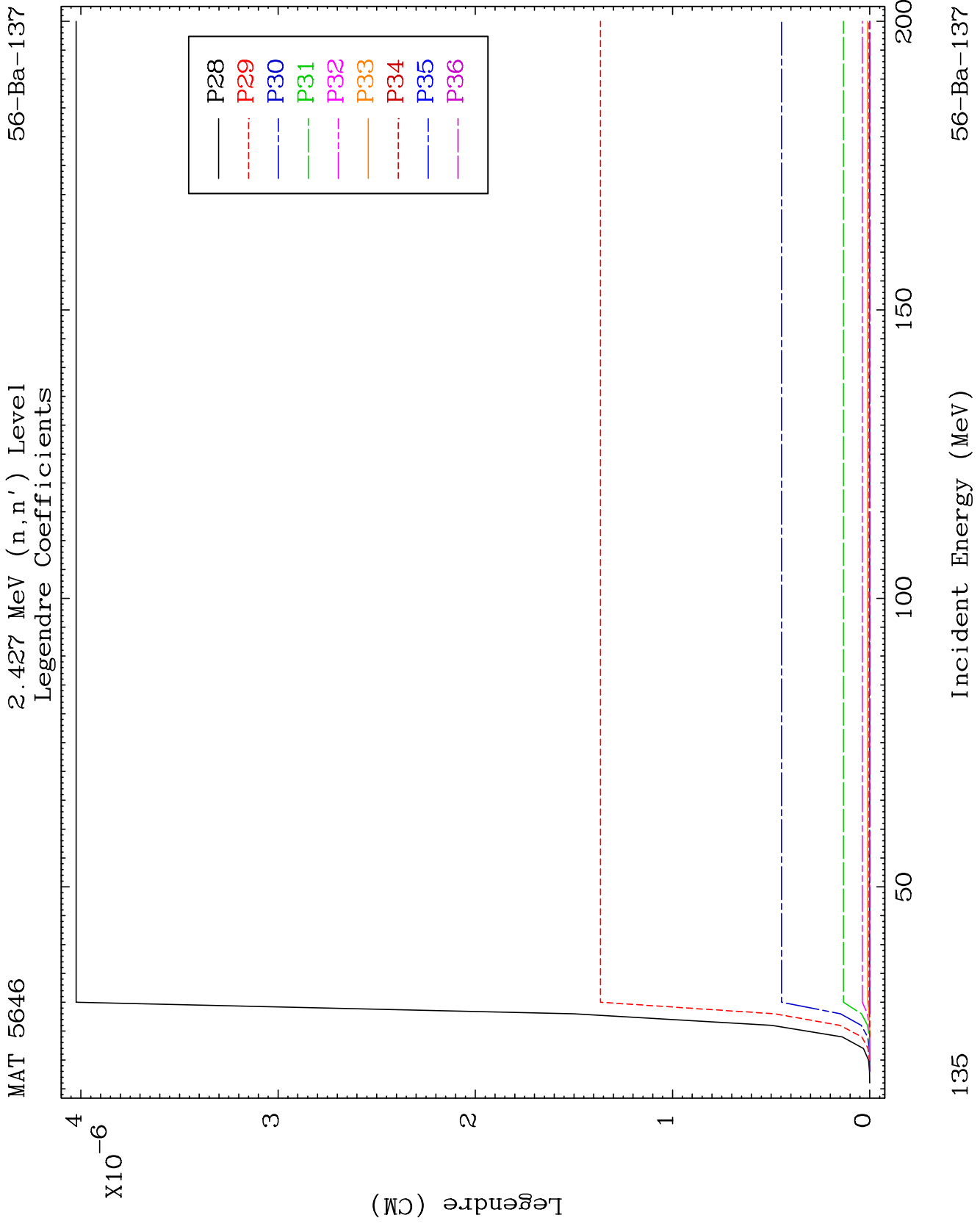
56-Ba-137

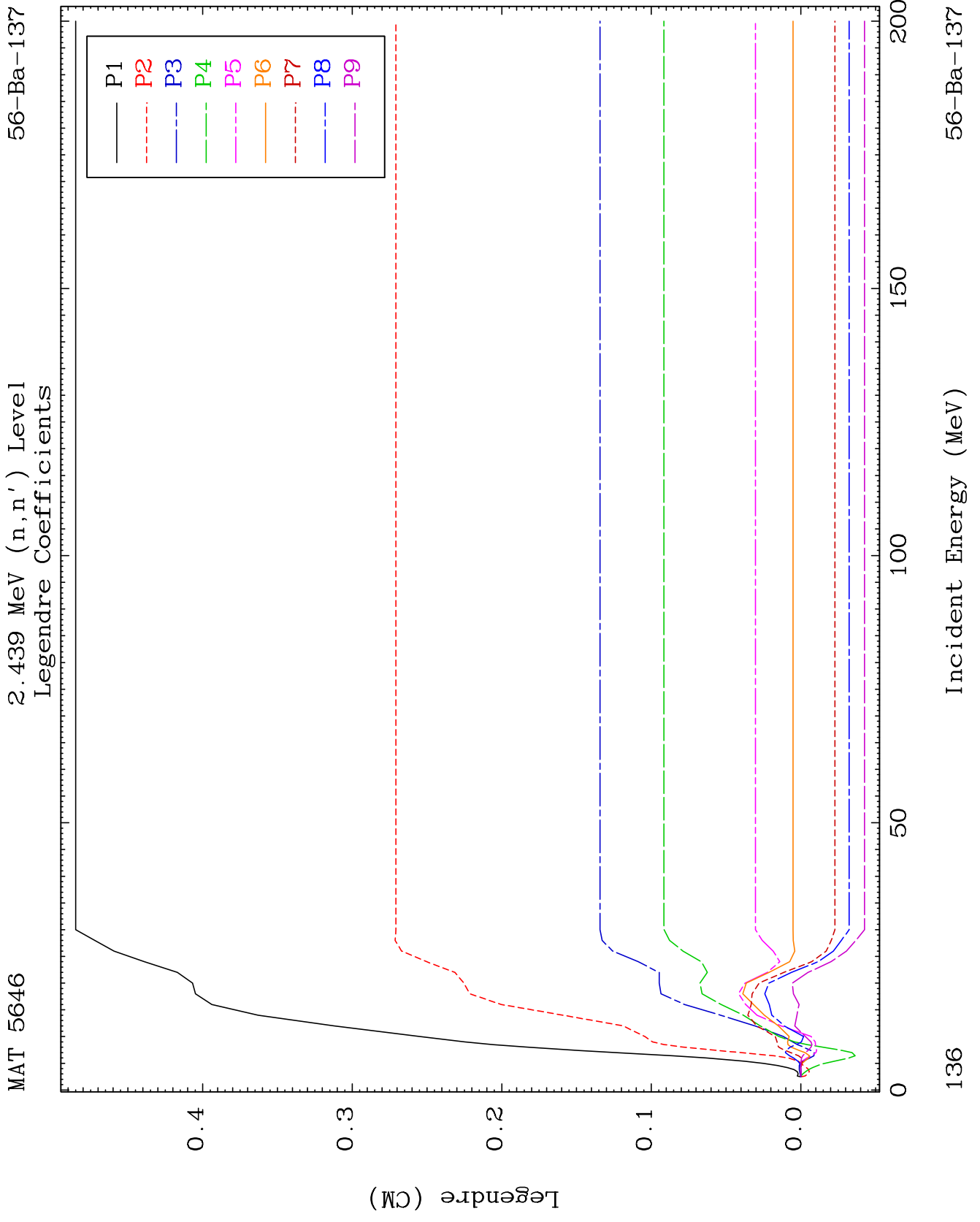


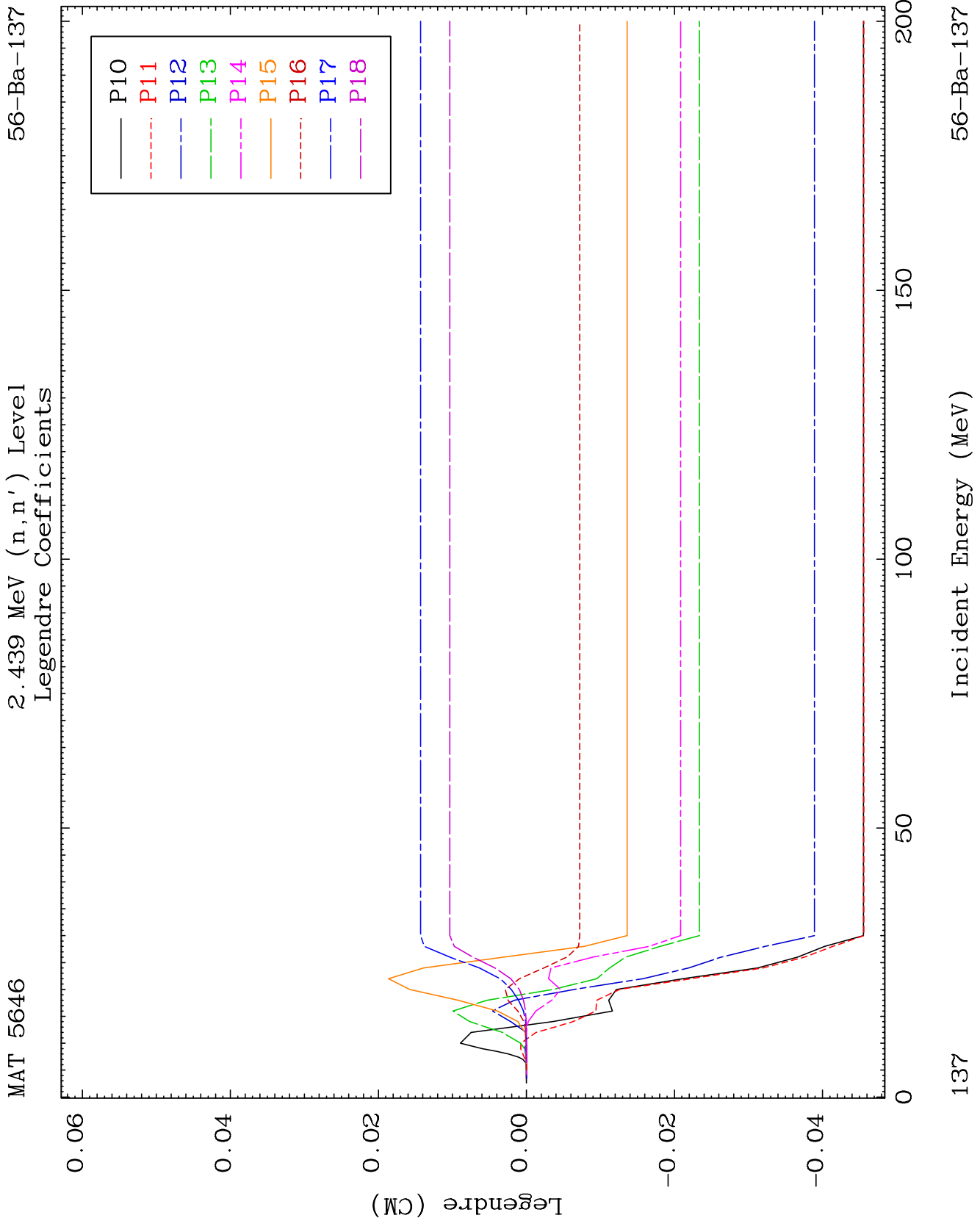
134

Incident Energy (MeV)

56-Ba-137



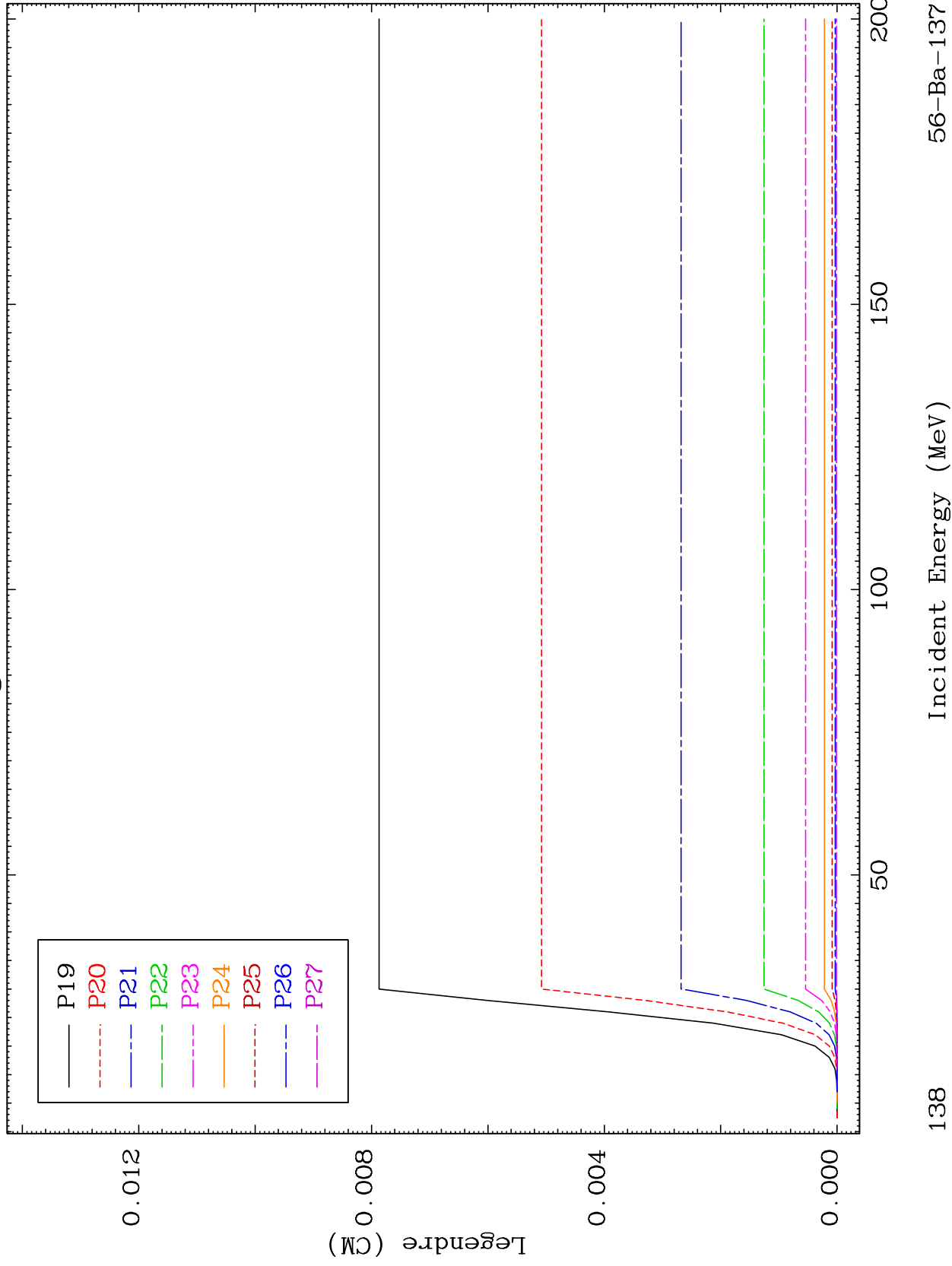




MAT 5646

2.439 MeV (n,n') Level
Legendre Coefficients

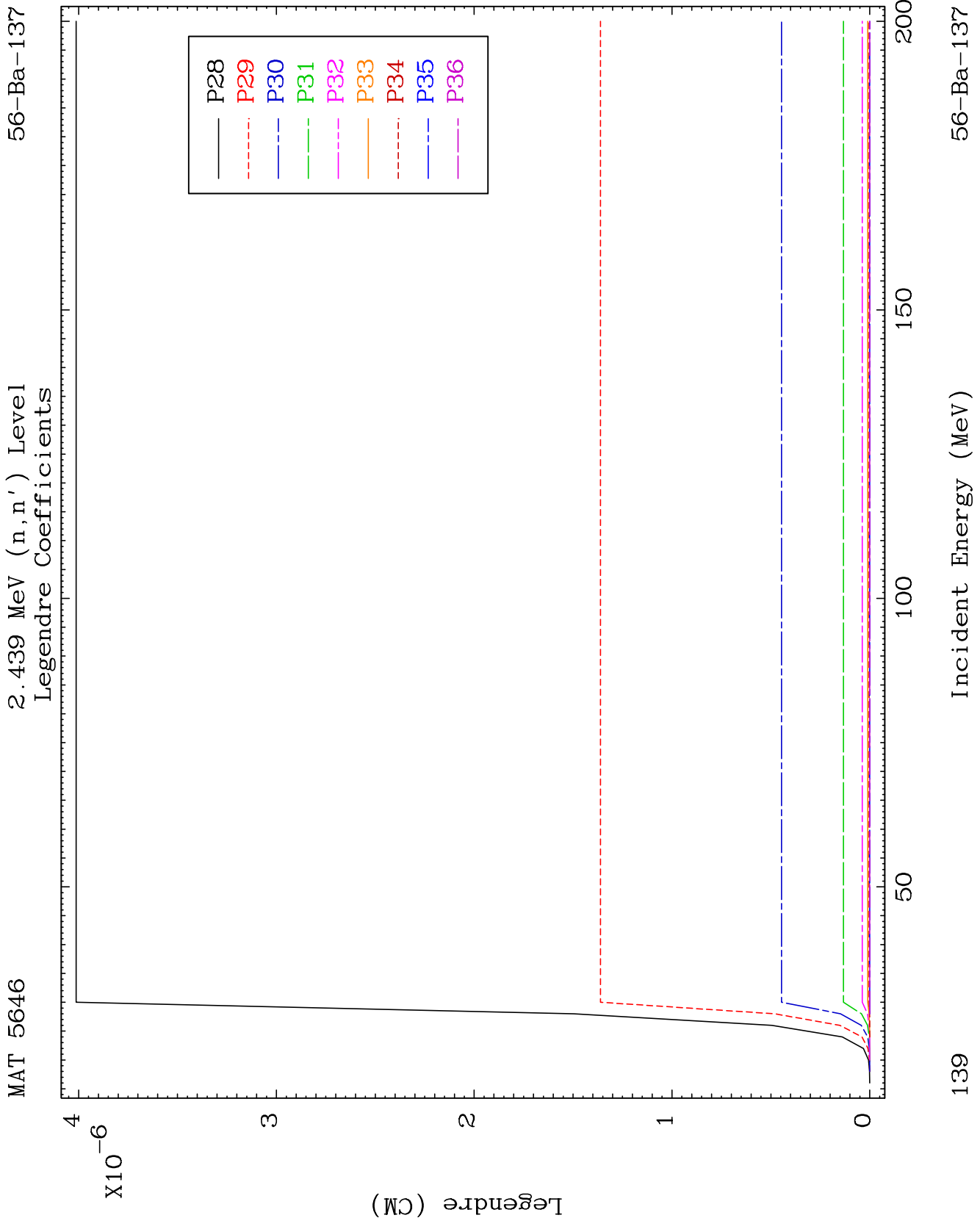
56-Ba-137



138

Incident Energy (MeV)

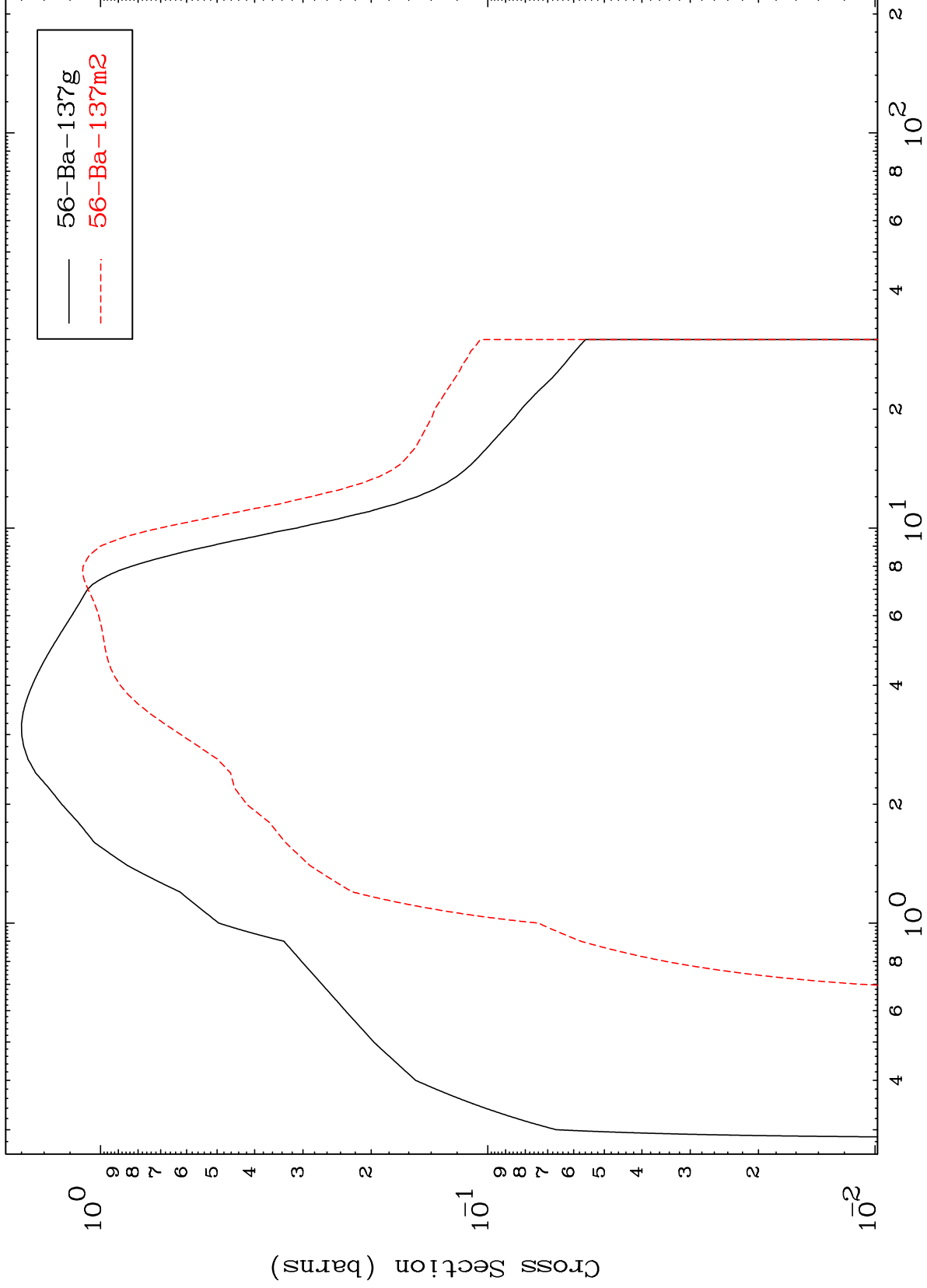
56-Ba-137



MAT 5646

56-Ba-137

Inelastic
Radionuclide Production Cross Section



140

Incident Energy (MeV)

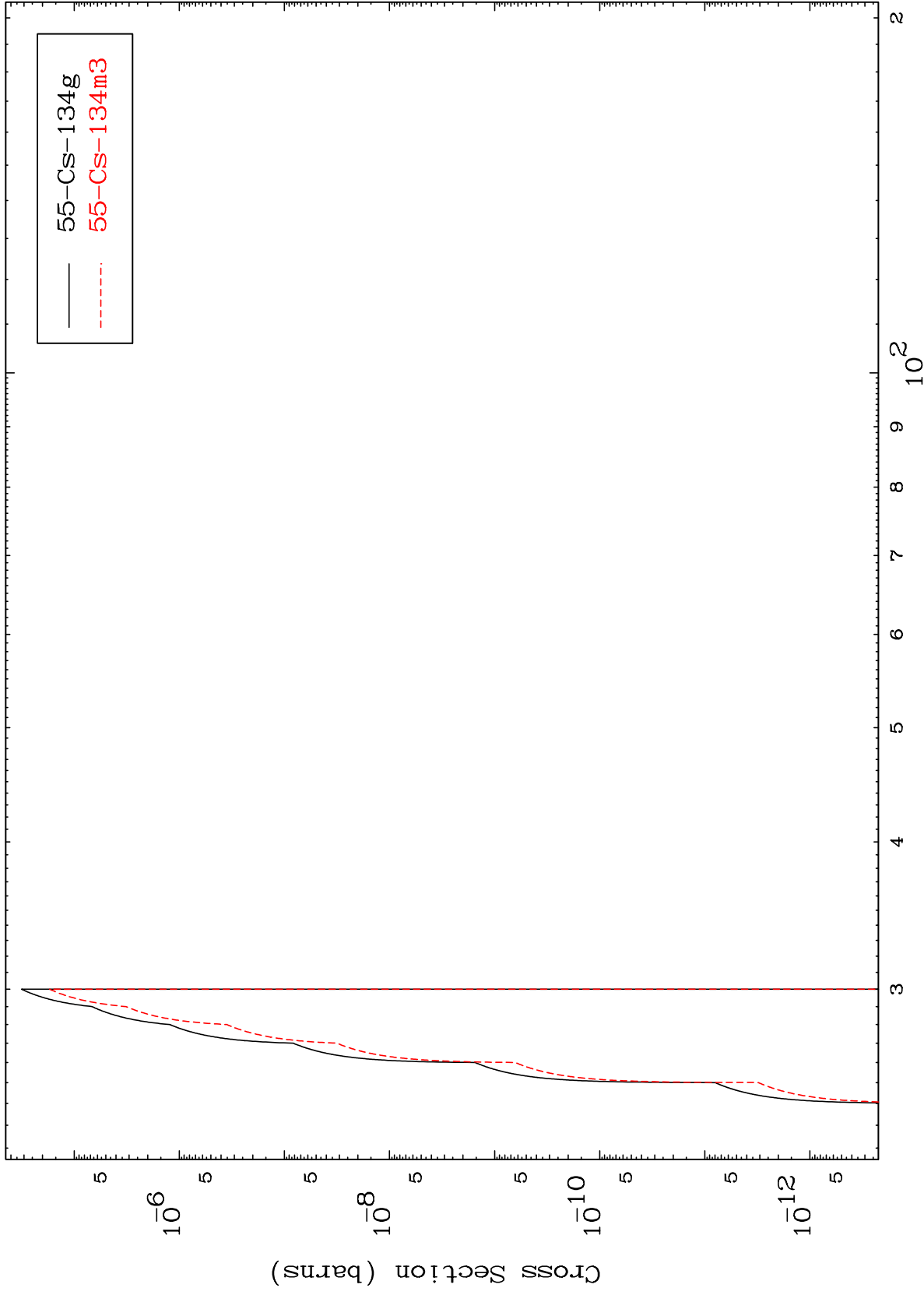
56-Ba-137

MAT 5646

(n,2n) d

56-Ba-137

Radionuclide Production Cross Section



141

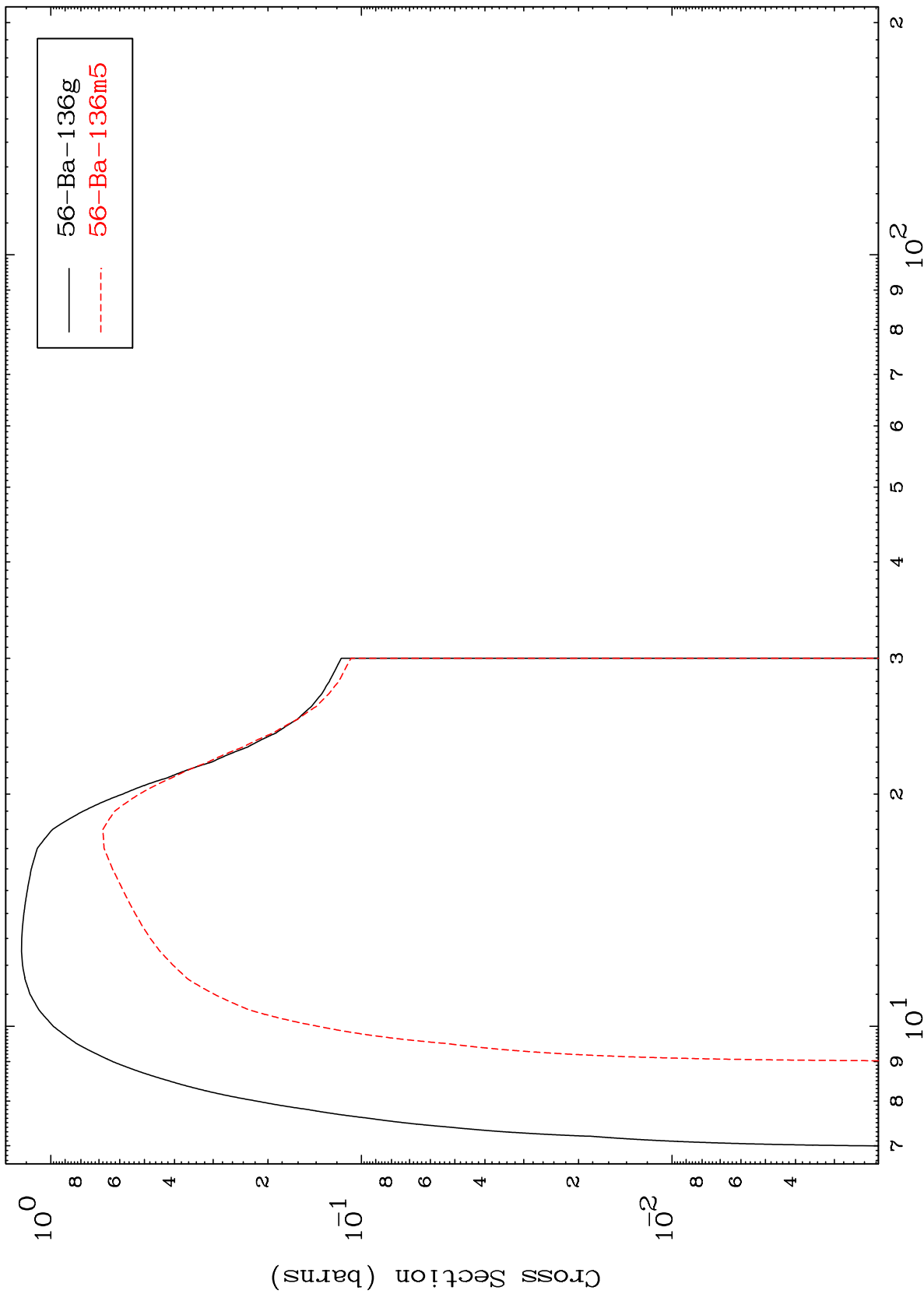
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n,2n)
Radionuclide Production Cross Section



56-Ba-137

Incident Energy (MeV)

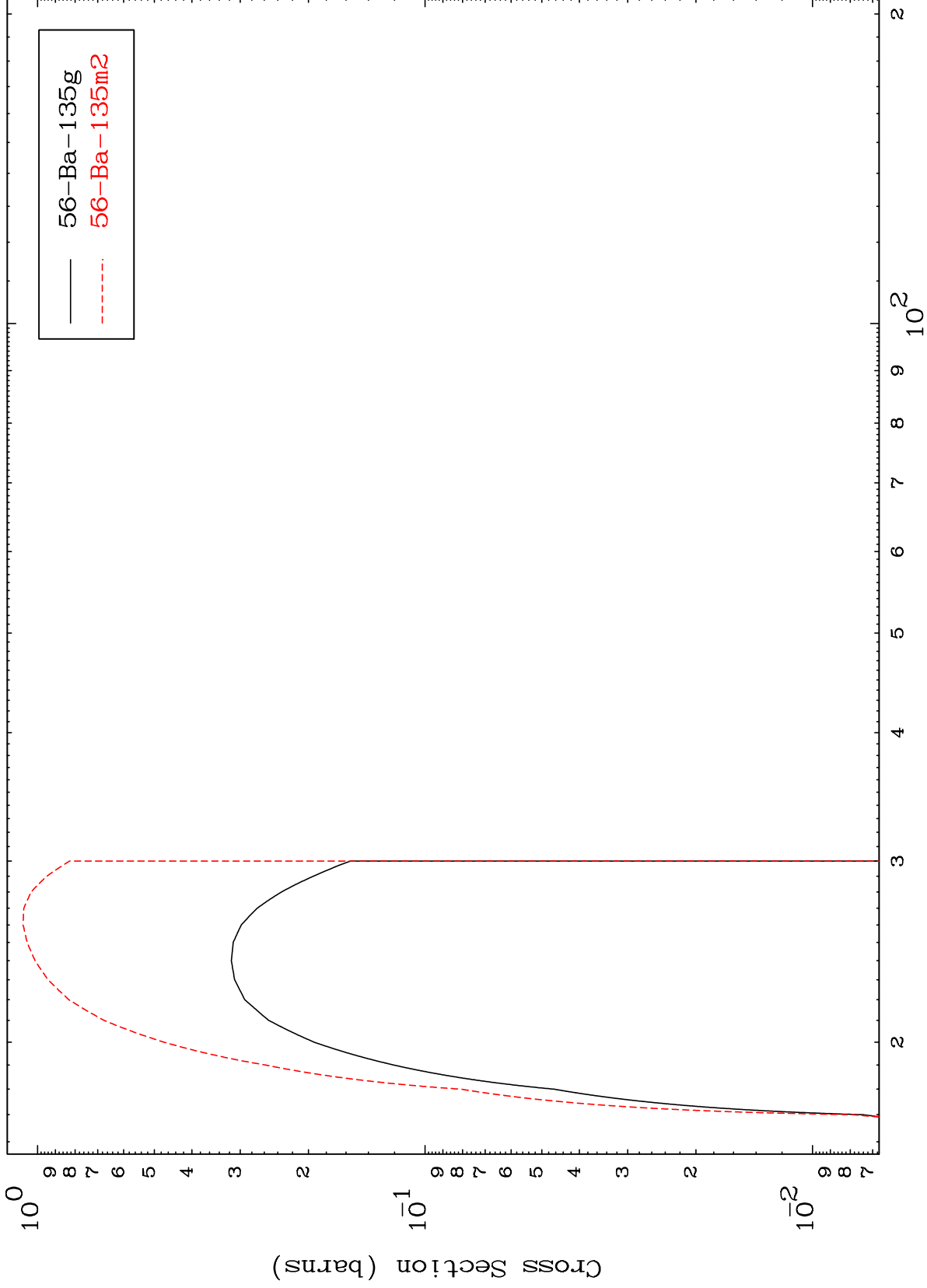
142

MAT 5646

(n,3n)

56-Ba-137

Radionuclide Production Cross Section



143

Incident Energy (MeV)

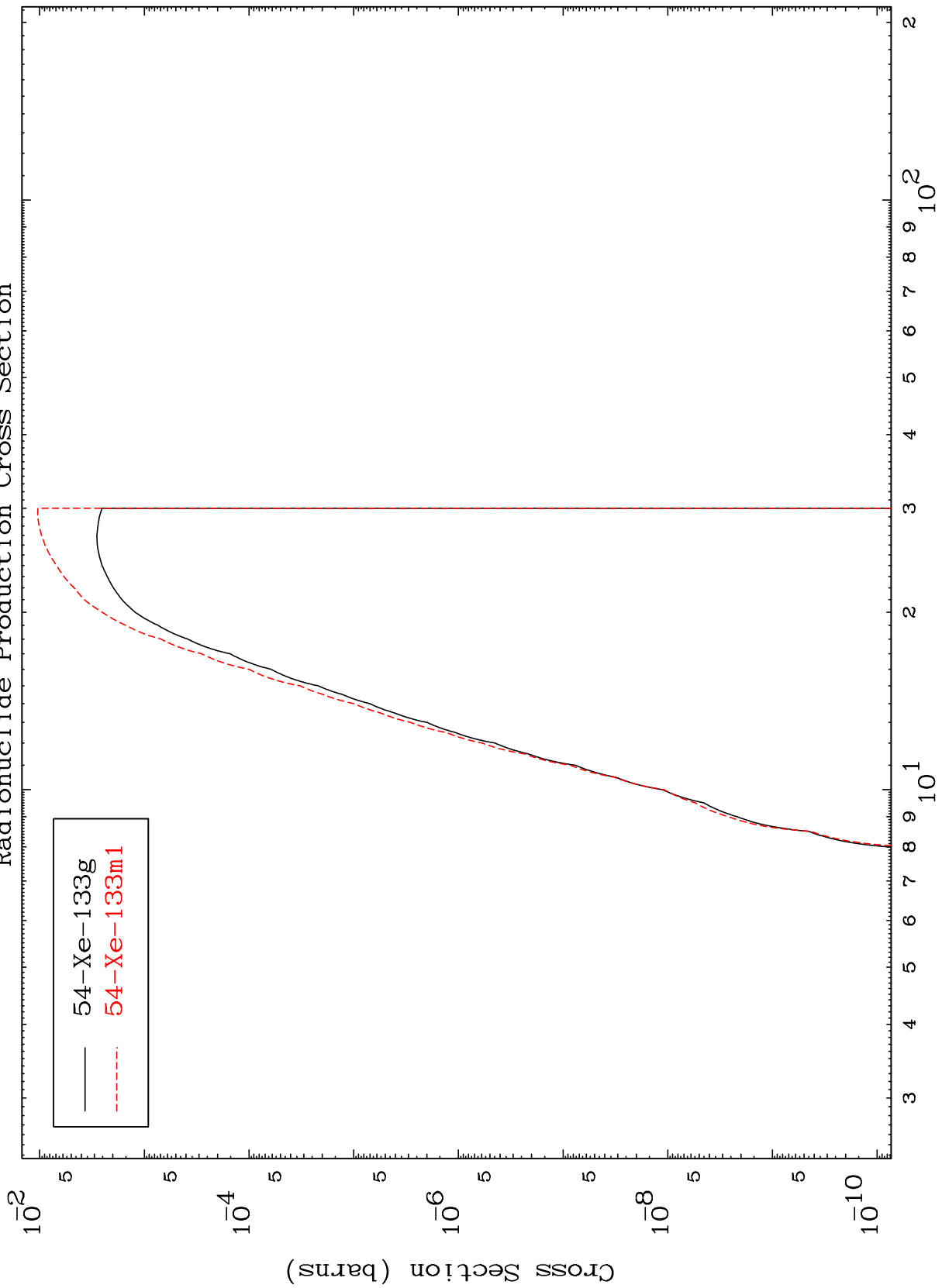
56-Ba-137

MAT 5646

56-Ba-137

(n,n') α

Radionuclide Production Cross Section



144

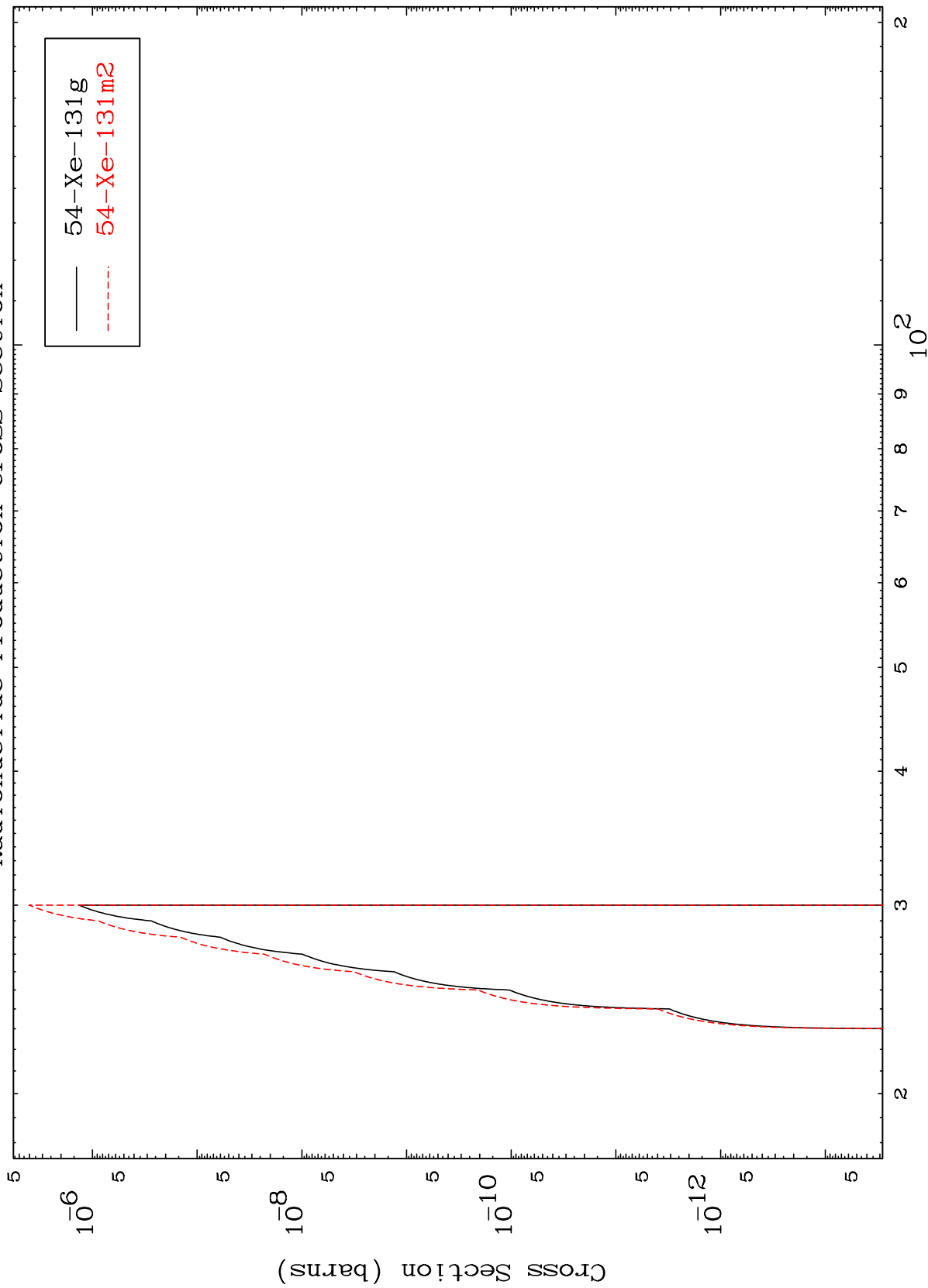
56-Ba-137

MAT 5646

(n,3n) α

56-Ba-137

Radionuclide Production Cross Section



145

Incident Energy (MeV)

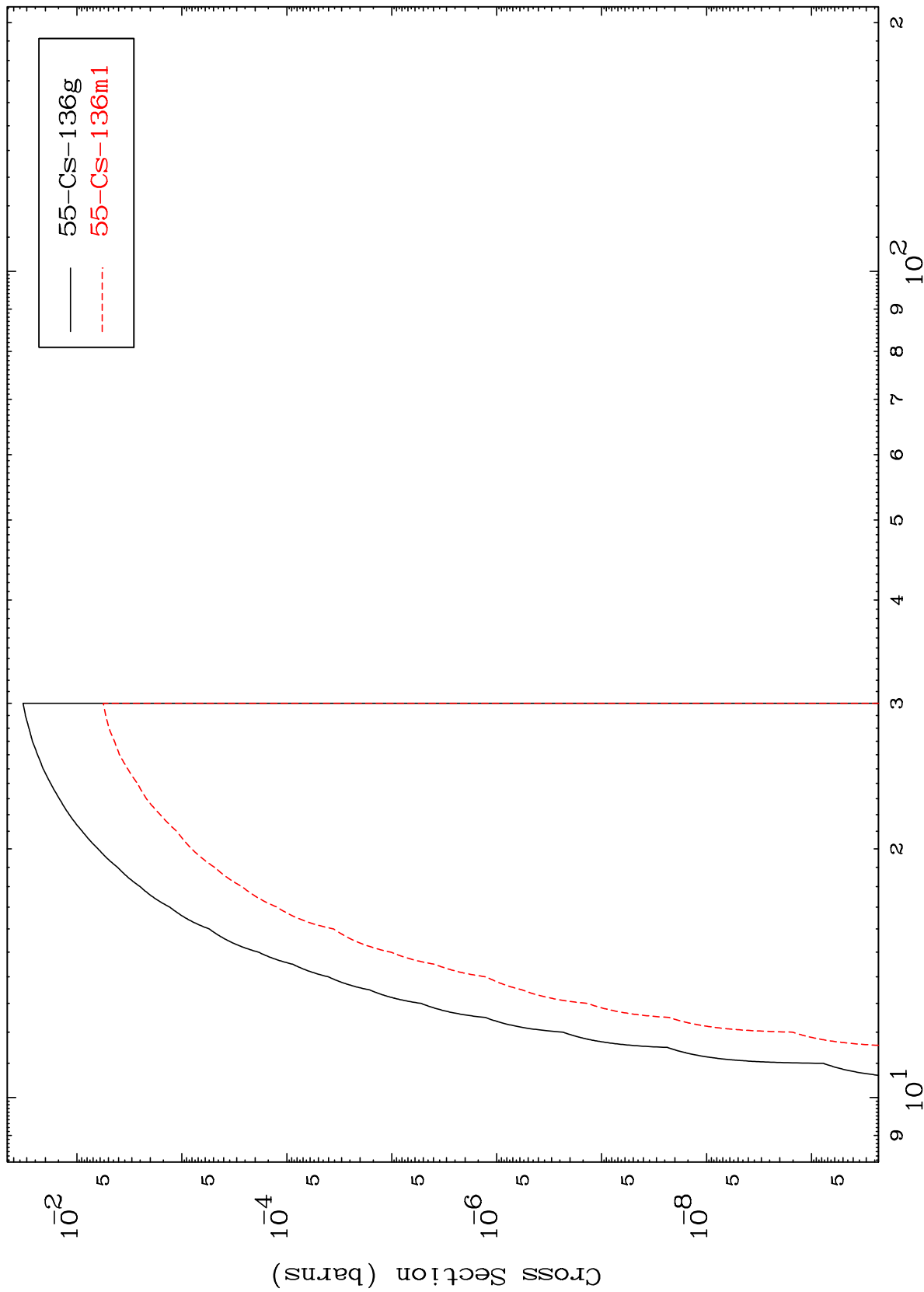
56-Ba-137

MAT 5646

(n,n') p

56-Ba-137

Radionuclide Production Cross Section



146

Incident Energy (MeV)

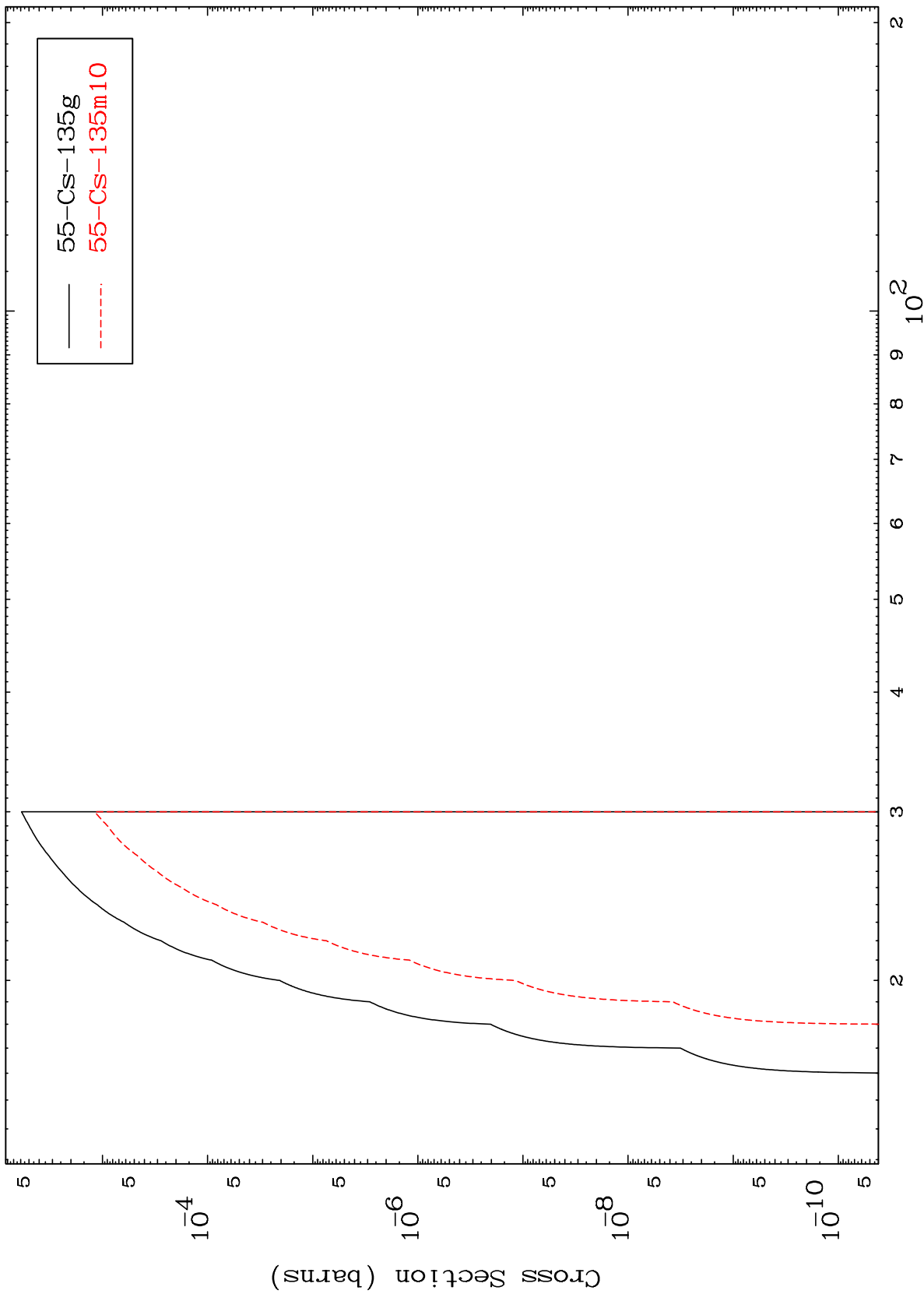
56-Ba-137

MAT 5646

(n,n') d

56-Ba-137

Radionuclide Production Cross Section

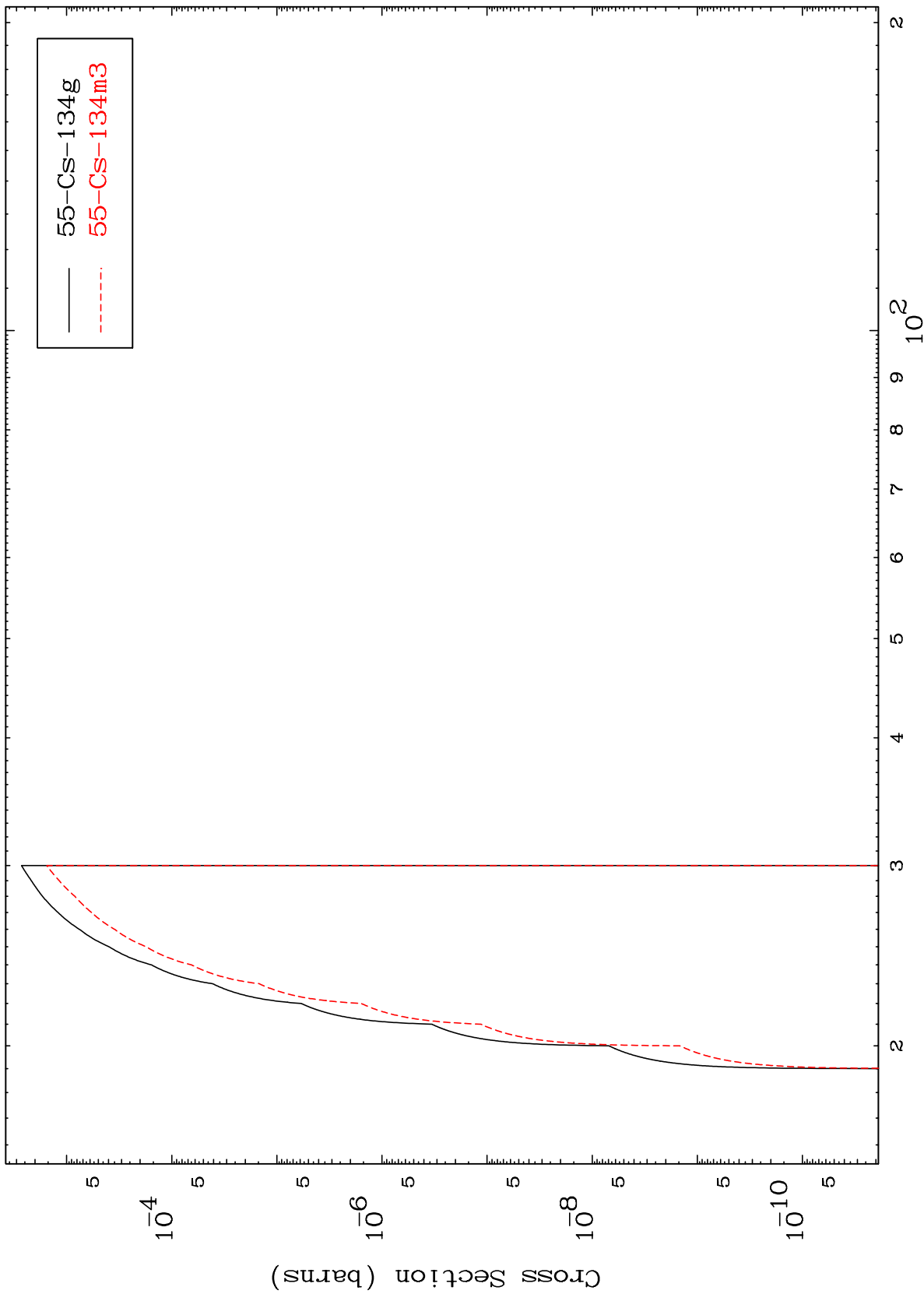


147

Incident Energy (MeV)

56-Ba-137

Radionuclide Production Cross Section

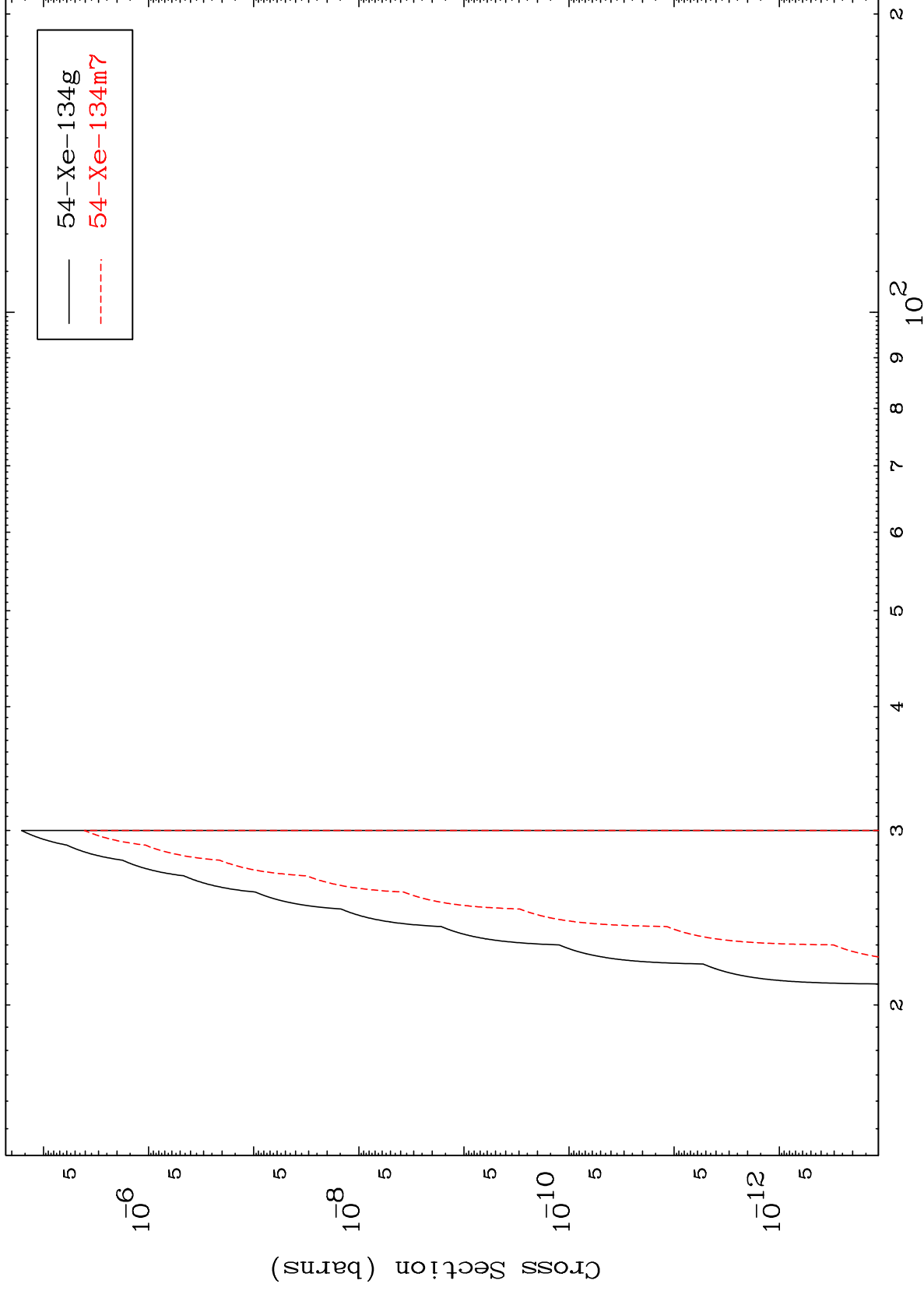


MAT 5646

(n,n') He-3

56-Ba-137

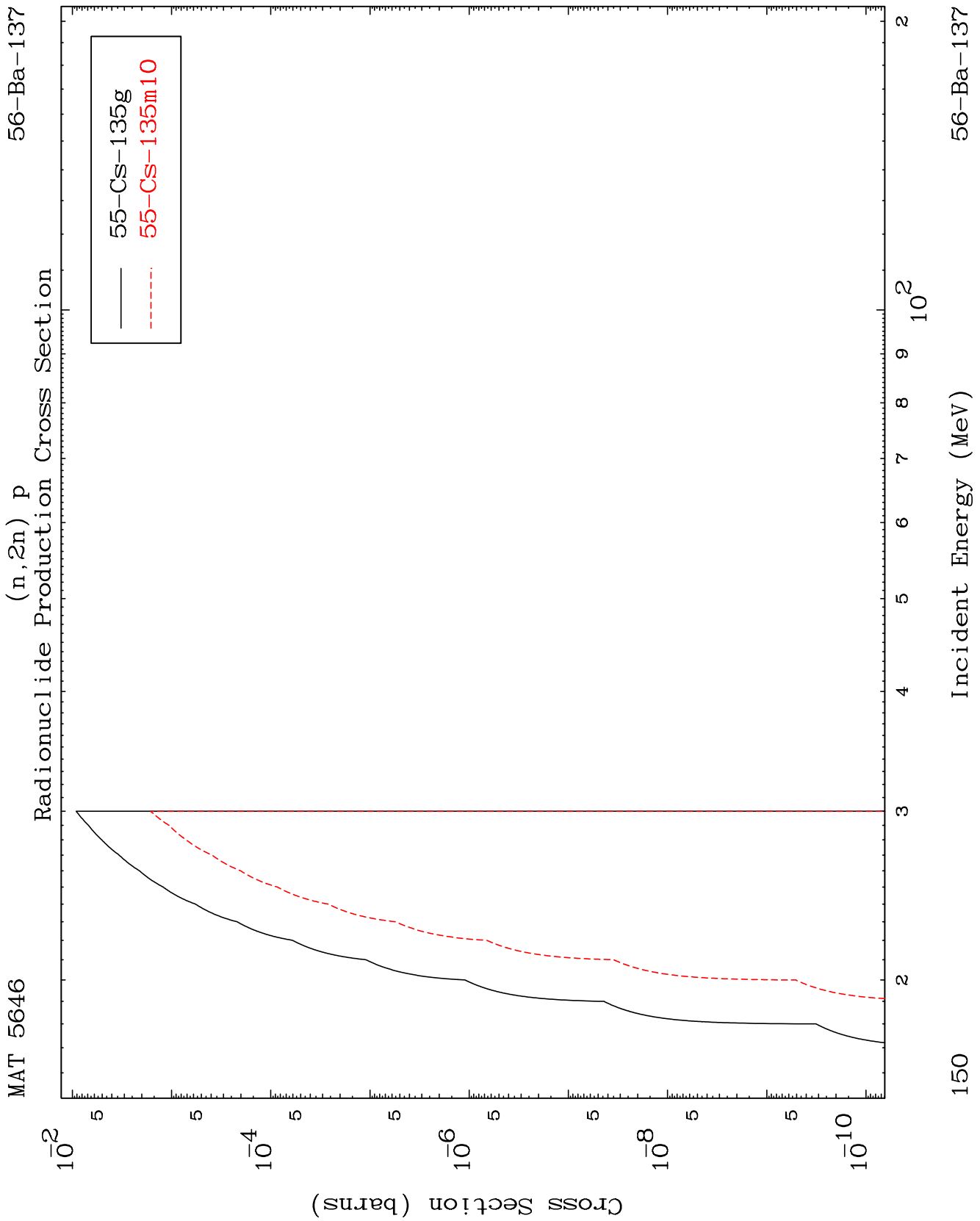
Radionuclide Production Cross Section



149

Incident Energy (MeV)

56-Ba-137

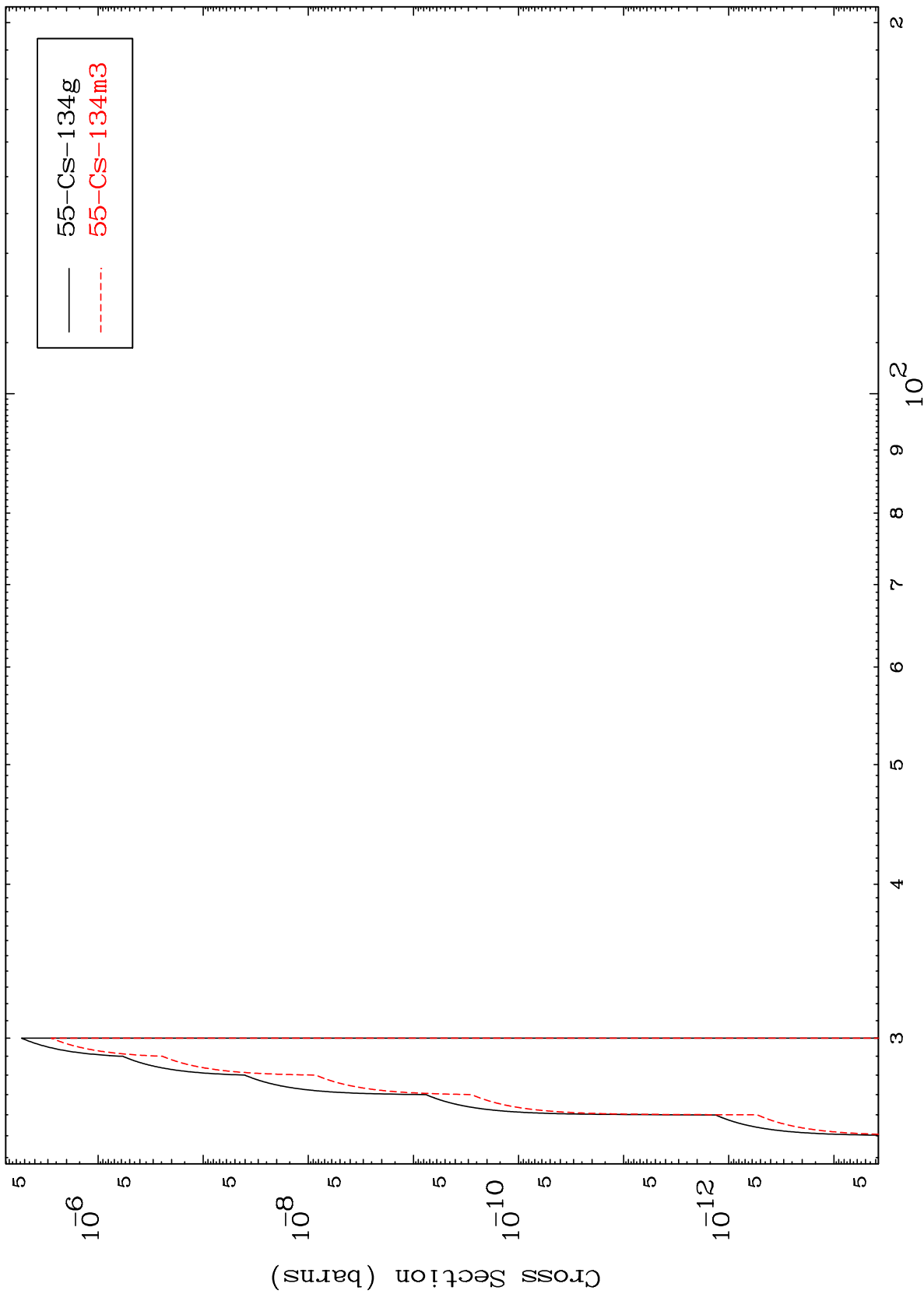


MAT 5646

(n,3n) p

56-Ba-137

Radionuclide Production Cross Section

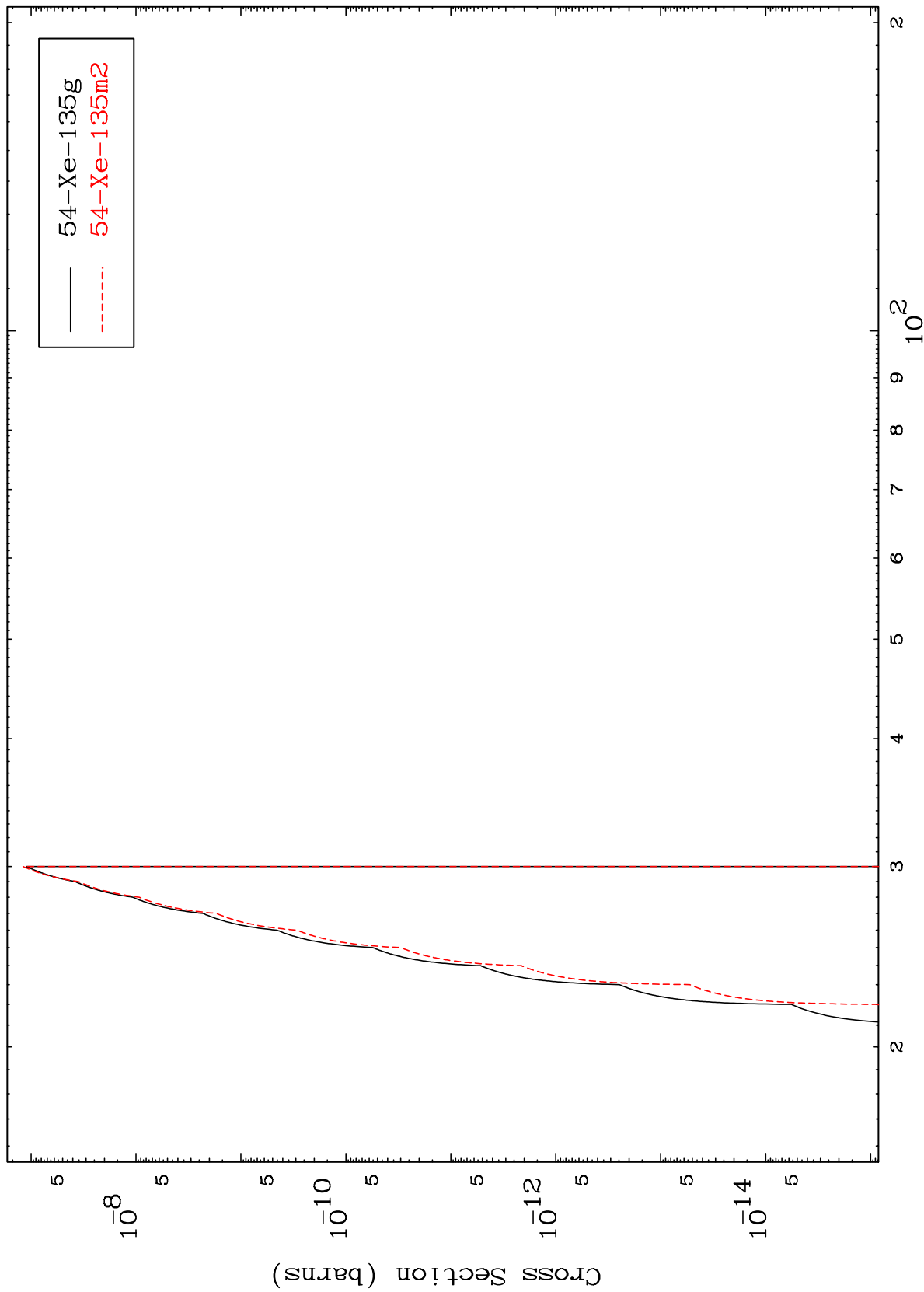


151

Incident Energy (MeV)

56-Ba-137

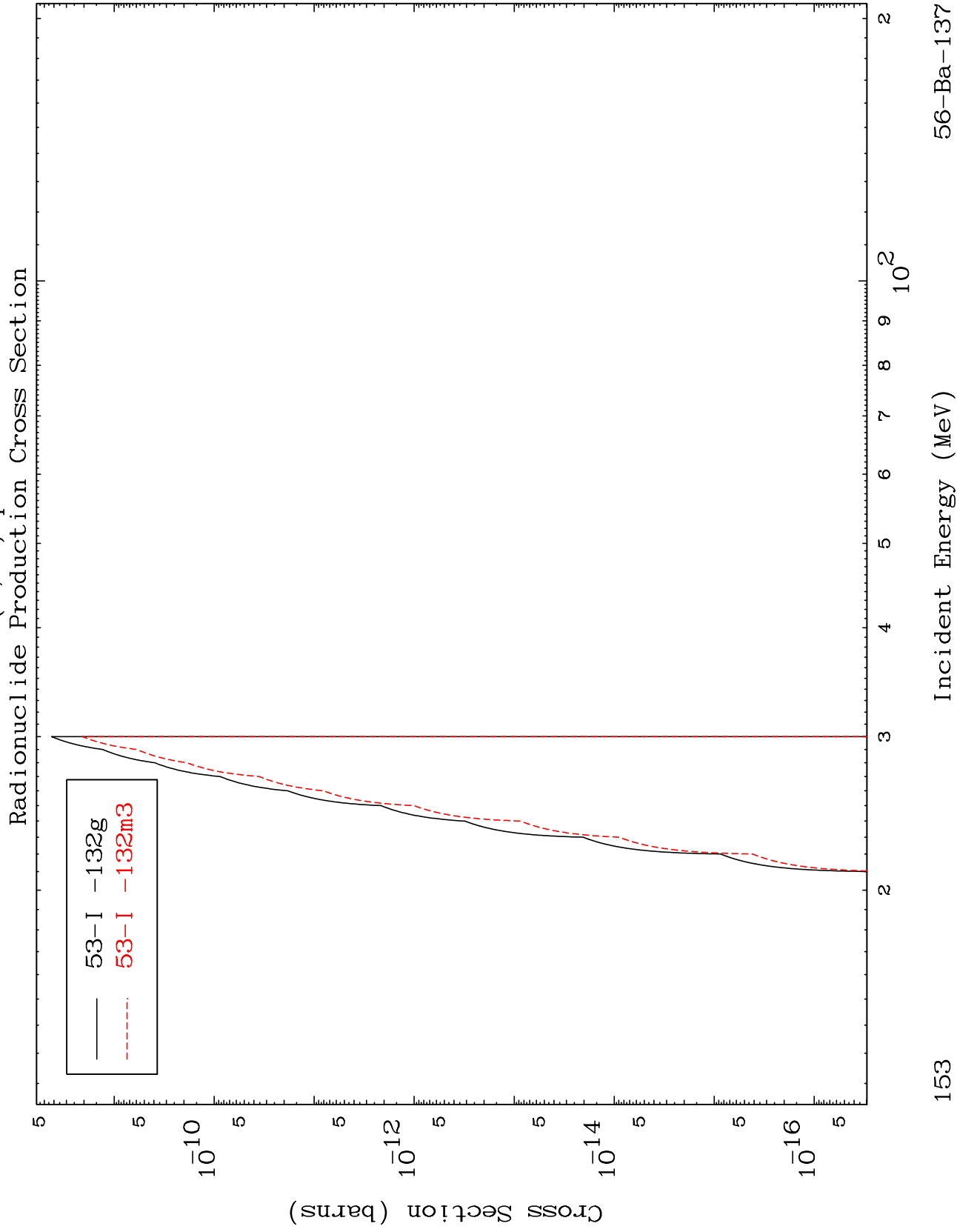
Radionuclide Production Cross Section



MAT 5646

(n,n') p α

56-Ba-137



153

Incident Energy (MeV)

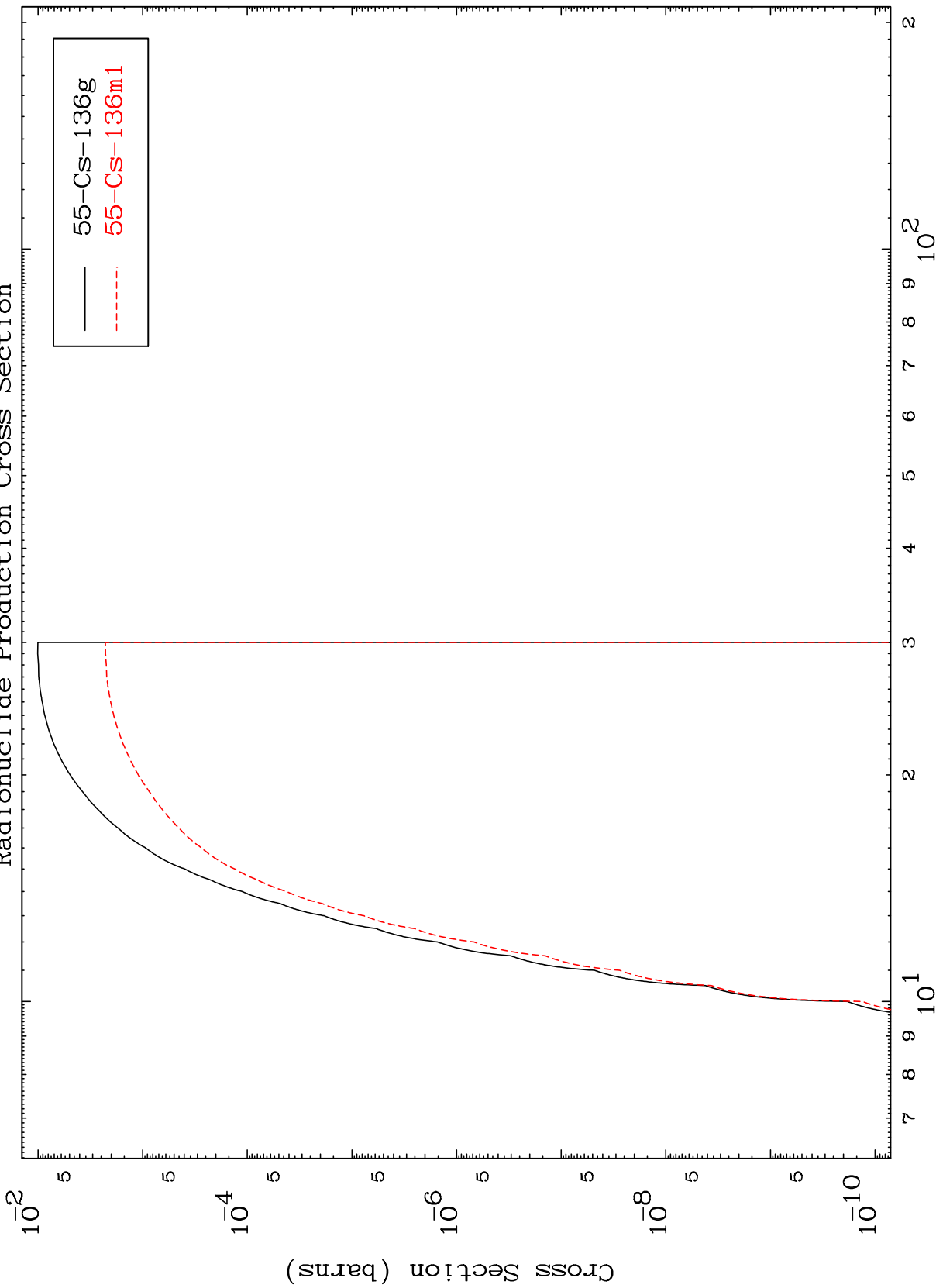
56-Ba-137

MAT 5646

(n,d)

56-Ba-137

Radionuclide Production Cross Section



154

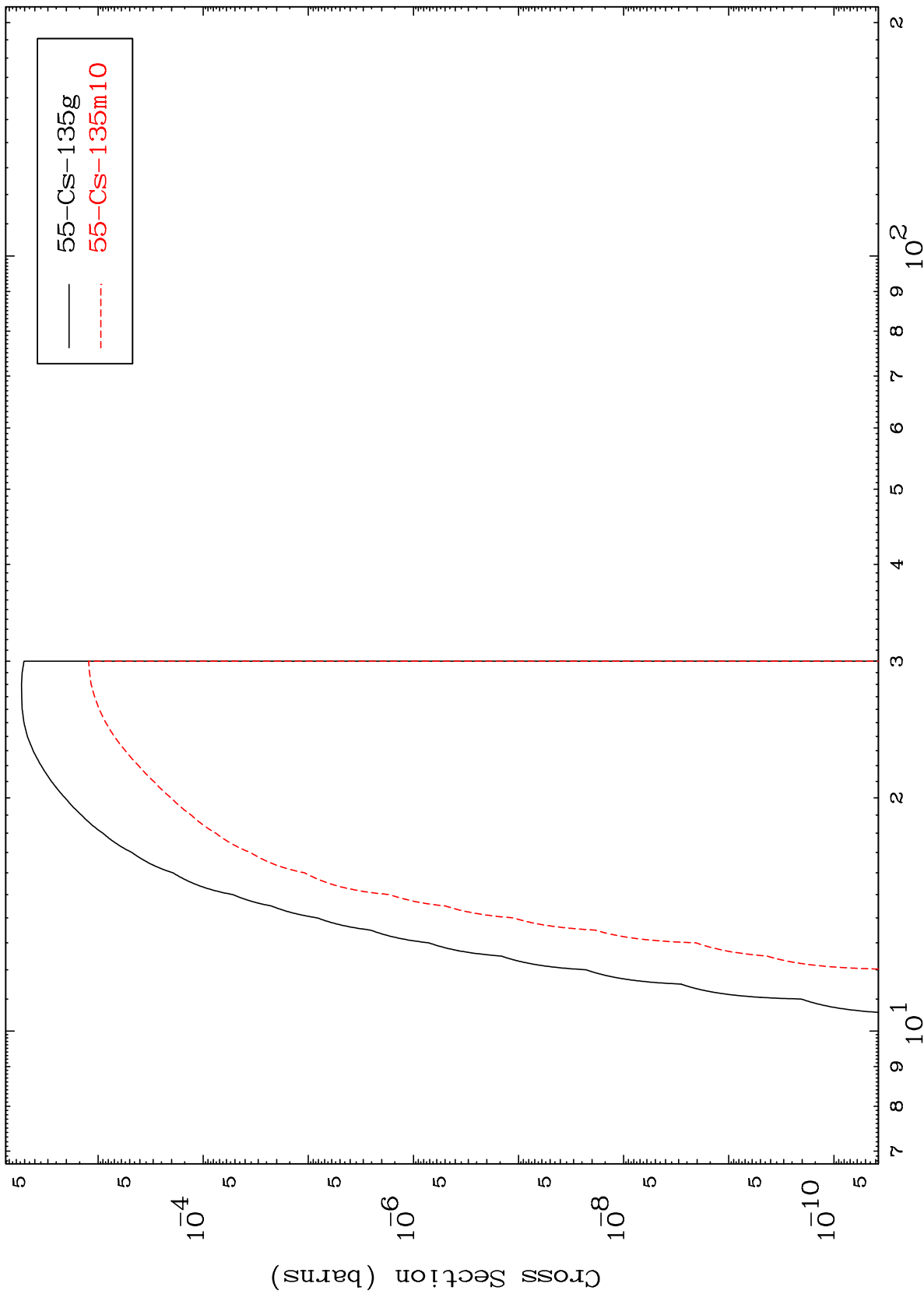
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n, t)
Radionuclide Production Cross Section



155

Incident Energy (MeV)

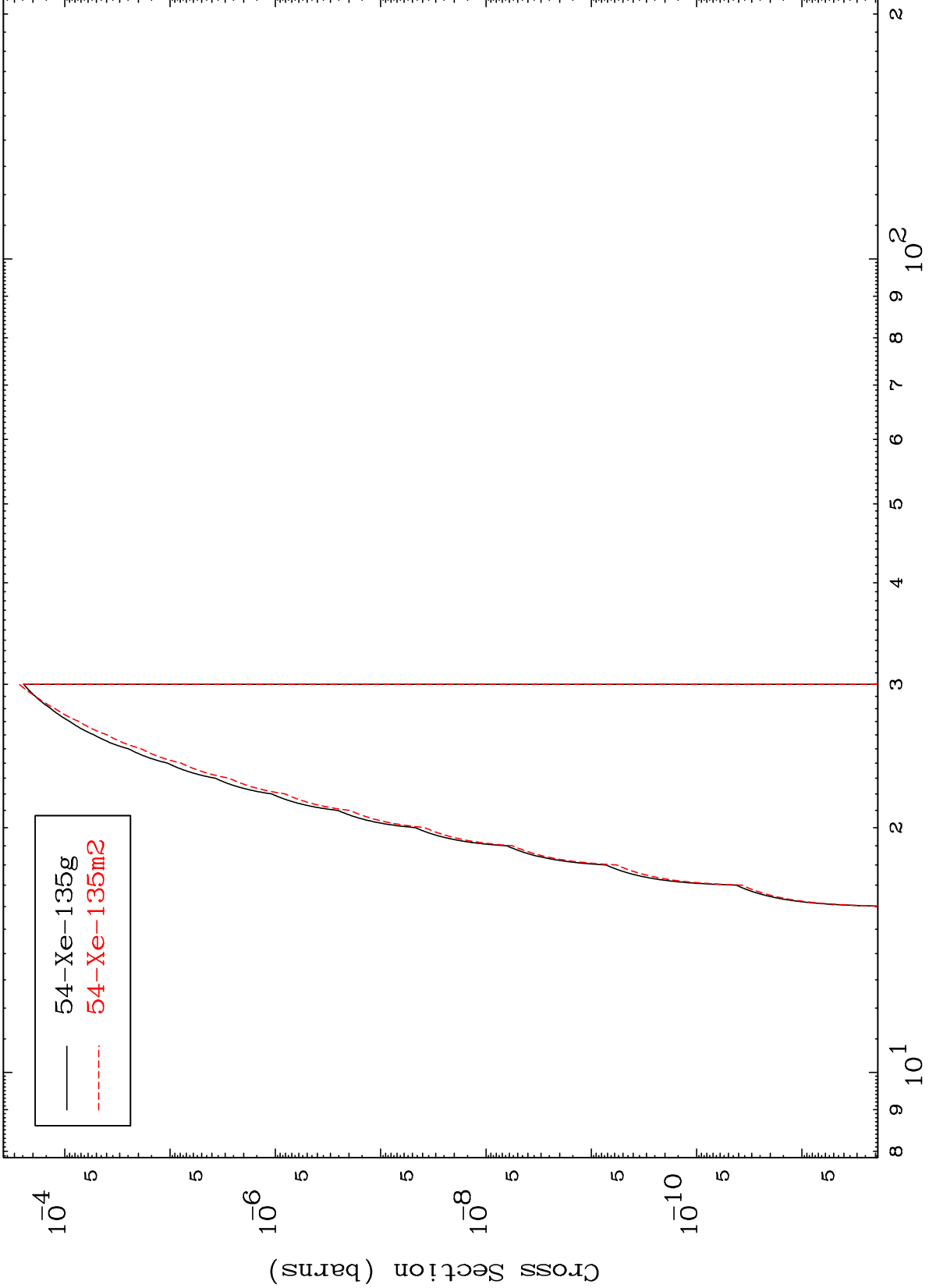
56-Ba-137

MAT 5646

(n,He-3)

56-Ba-137

Radionuclide Production Cross Section



156

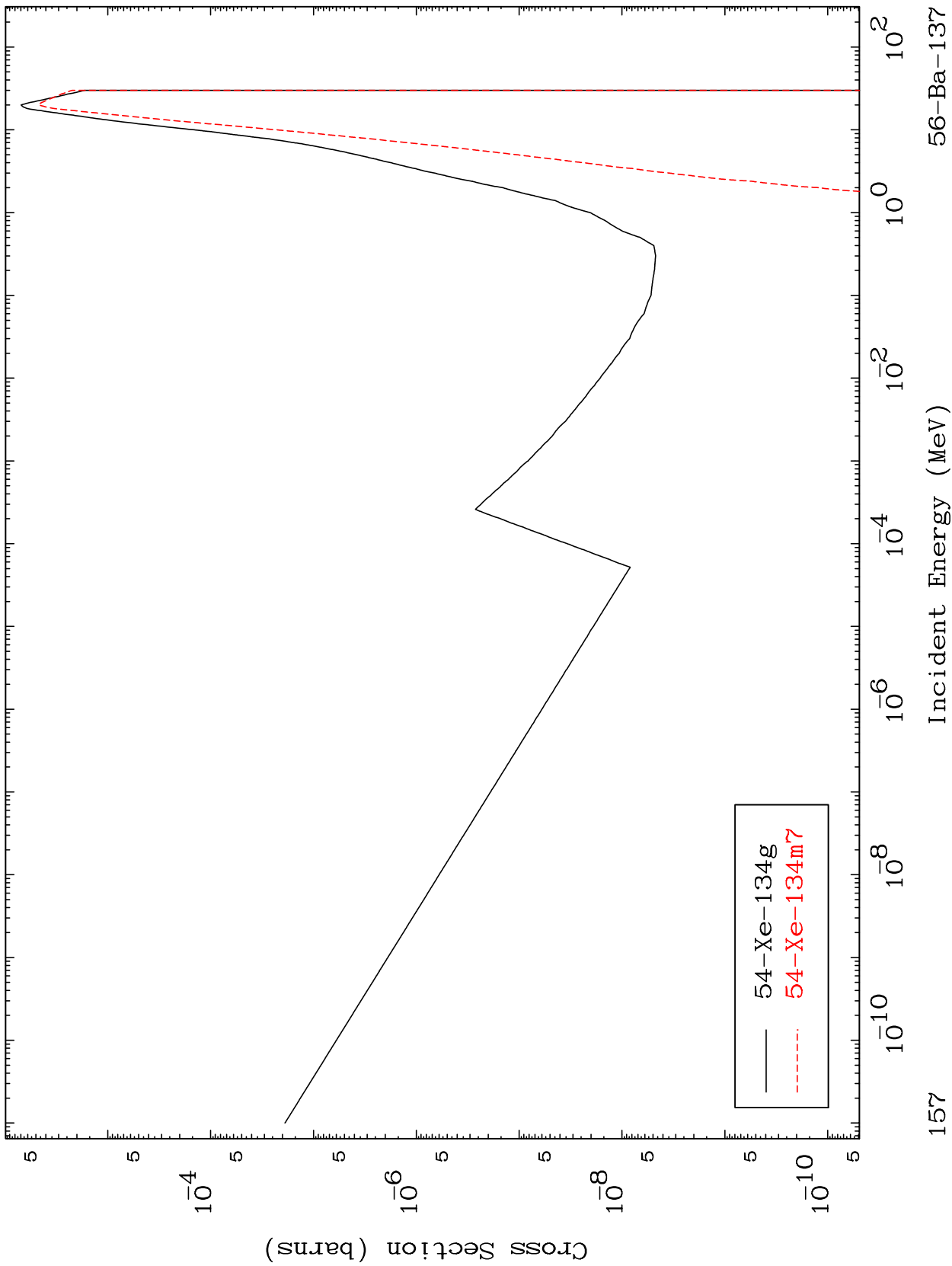
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n, α)
Radionuclide Production Cross Section



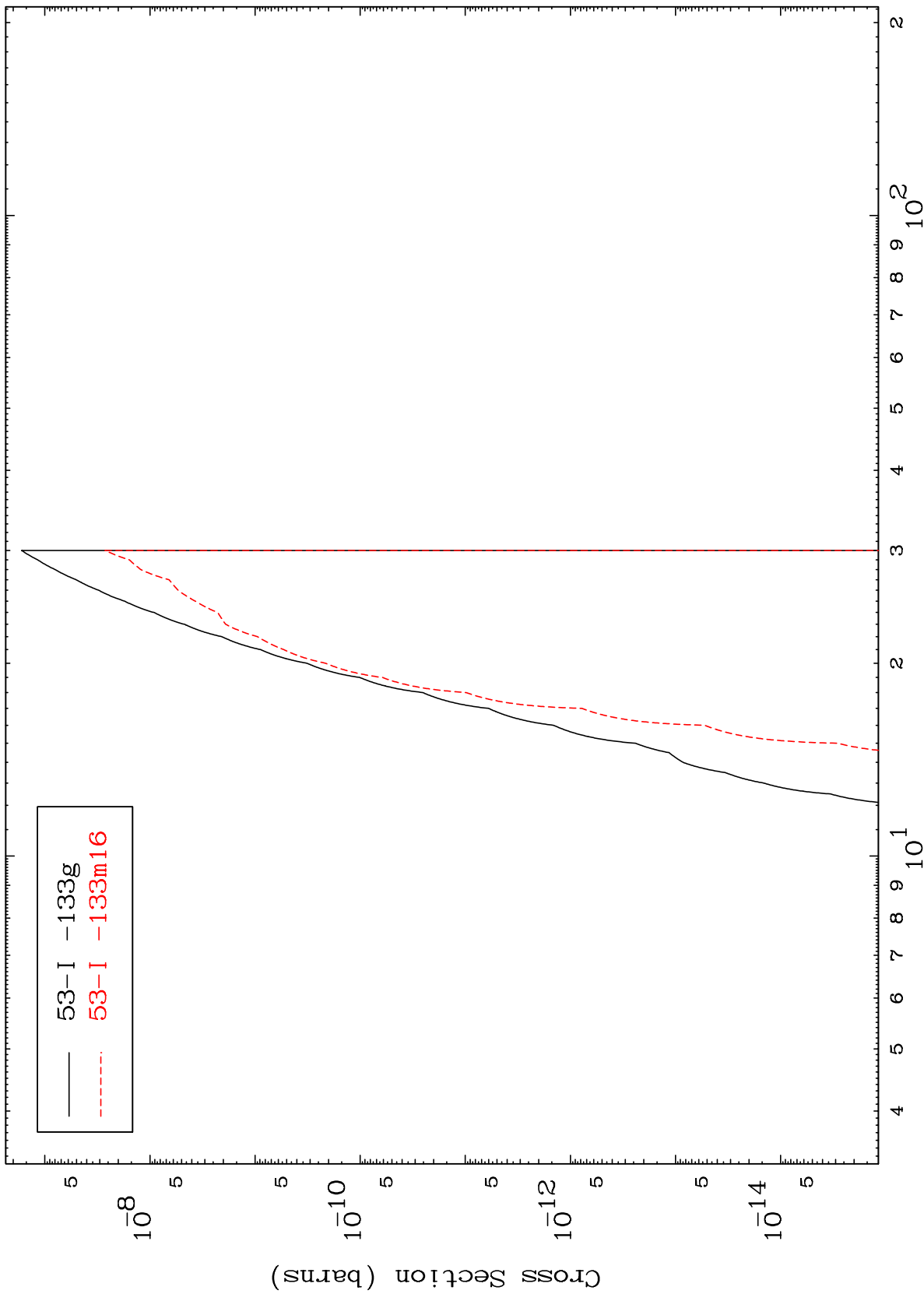
157

MAT 5646

(n,p) α

56-Ba-137

Radionuclide Production Cross Section



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

158

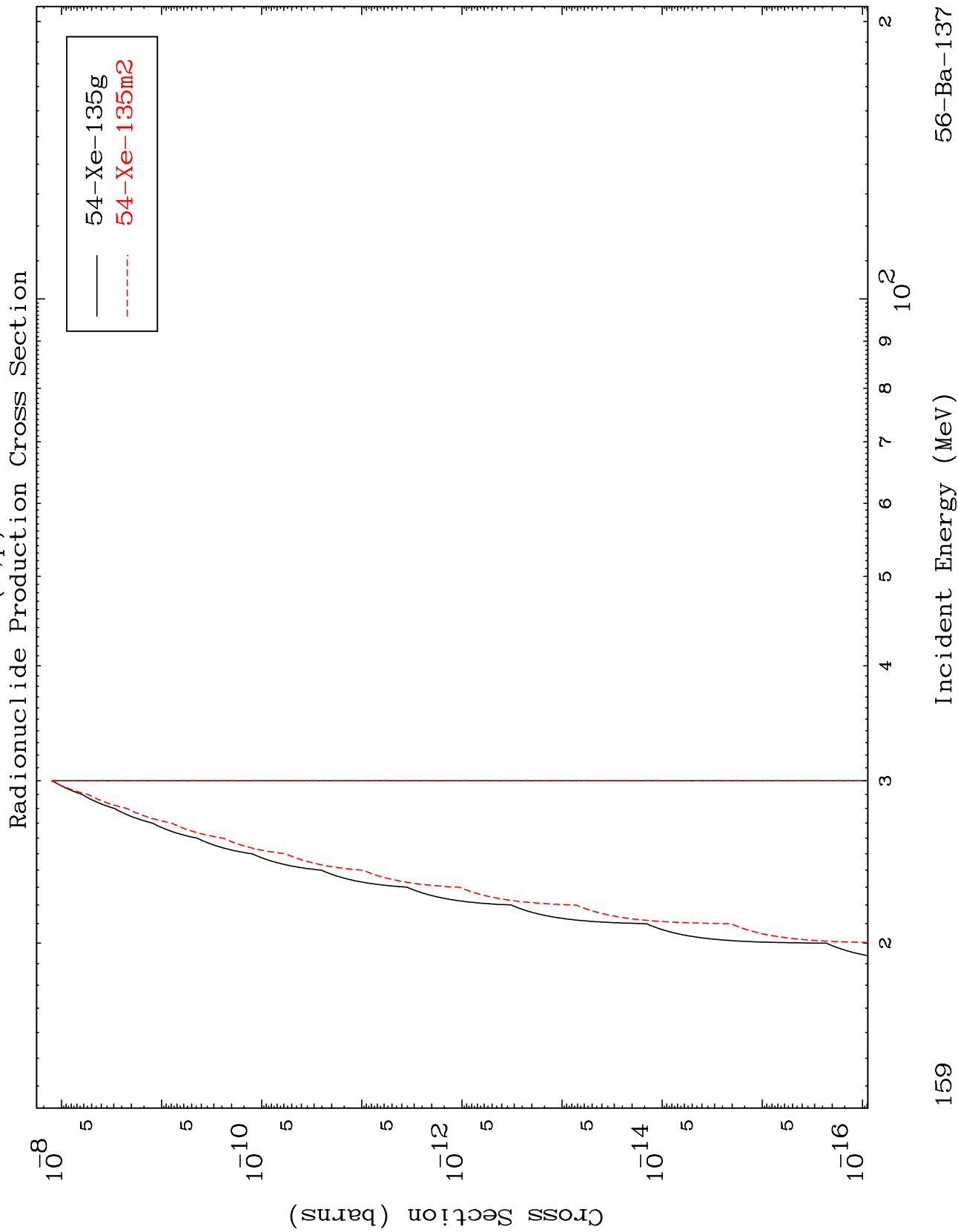
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,p) d

56-Ba-137



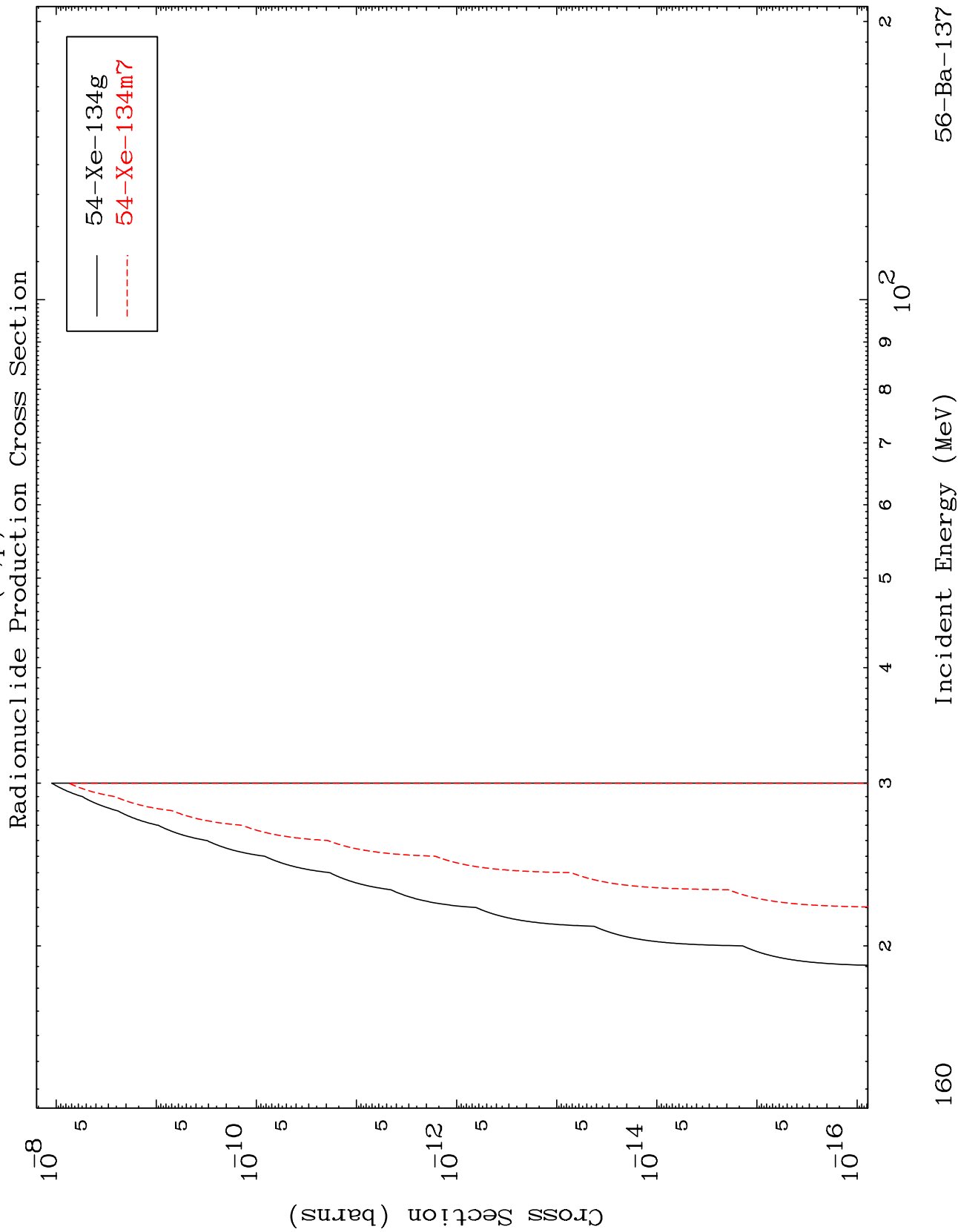
159

56-Ba-137

MAT 5646

(n,p) t

56-Ba-137



160

56-Ba-137