

Program EVALPLOT
(Version 2015-2)

by

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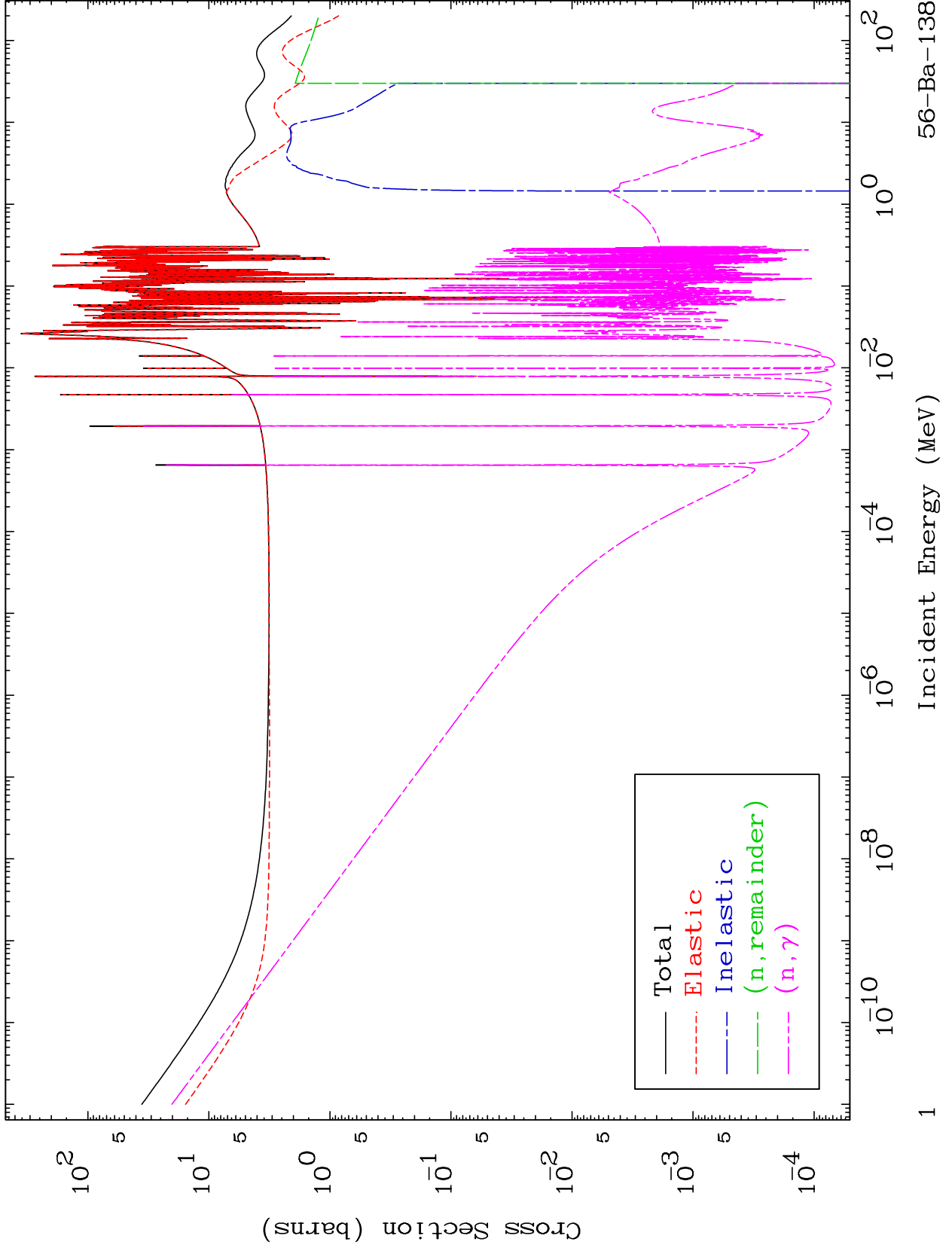
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

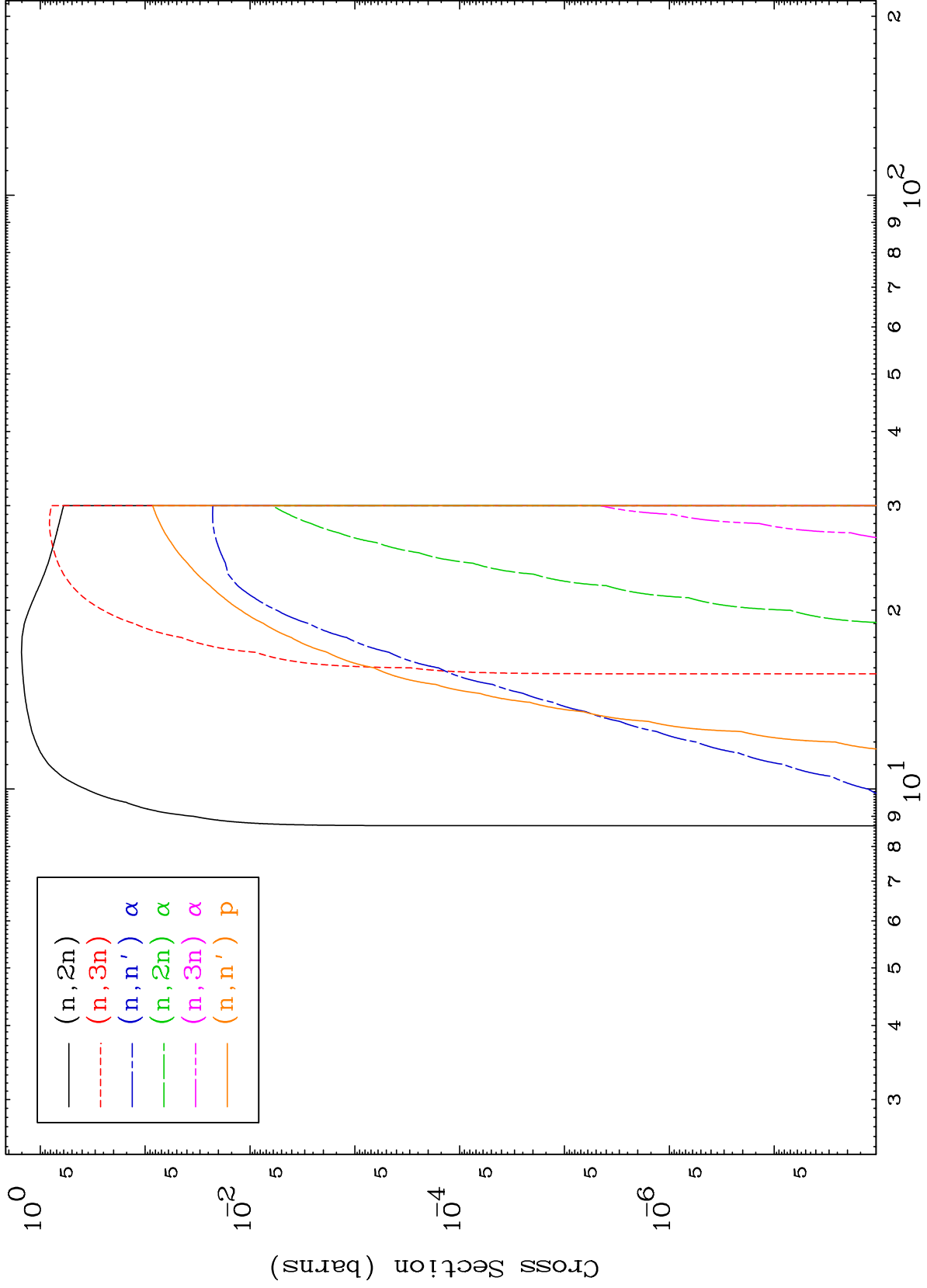
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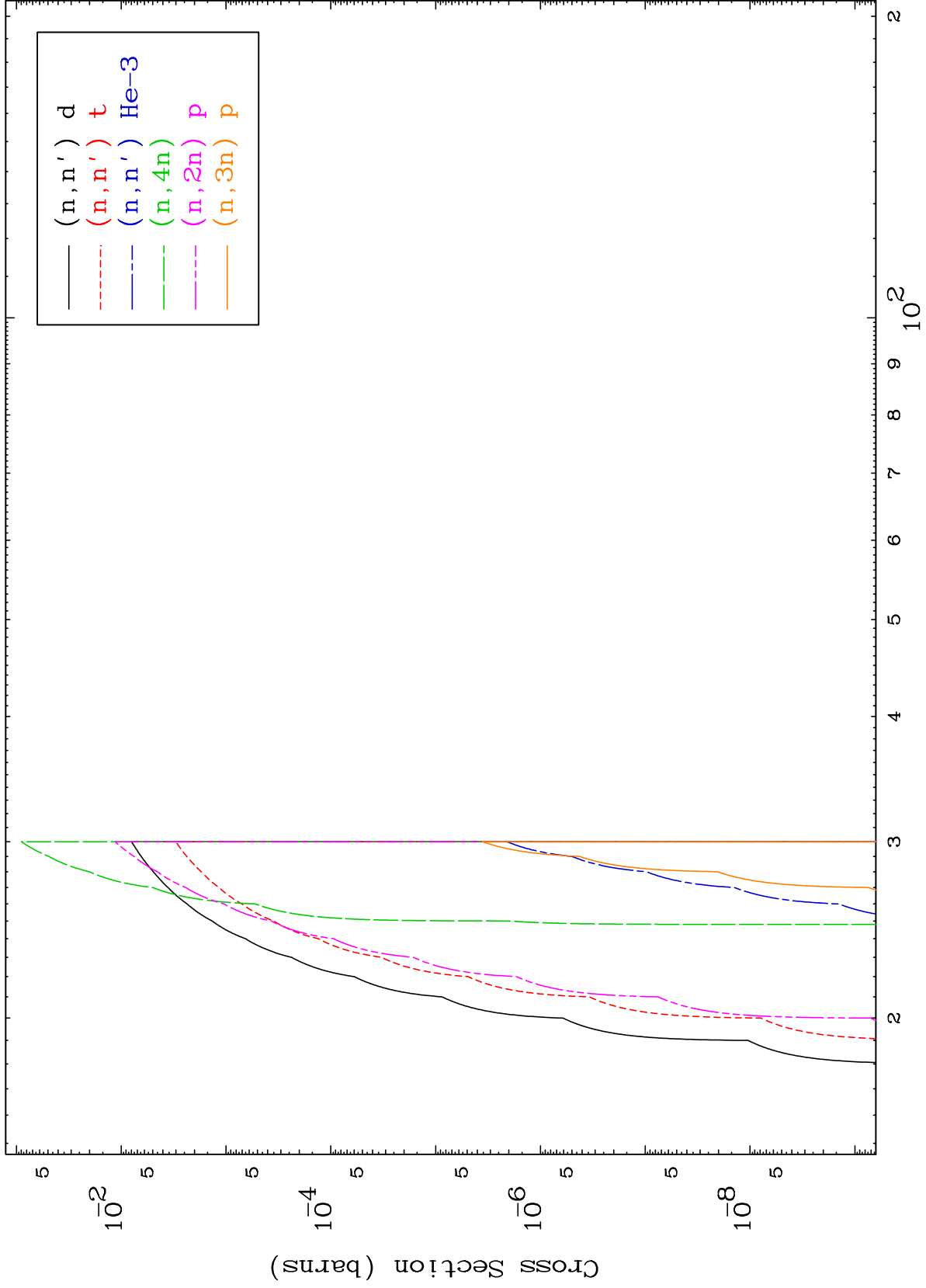
MAT 5649

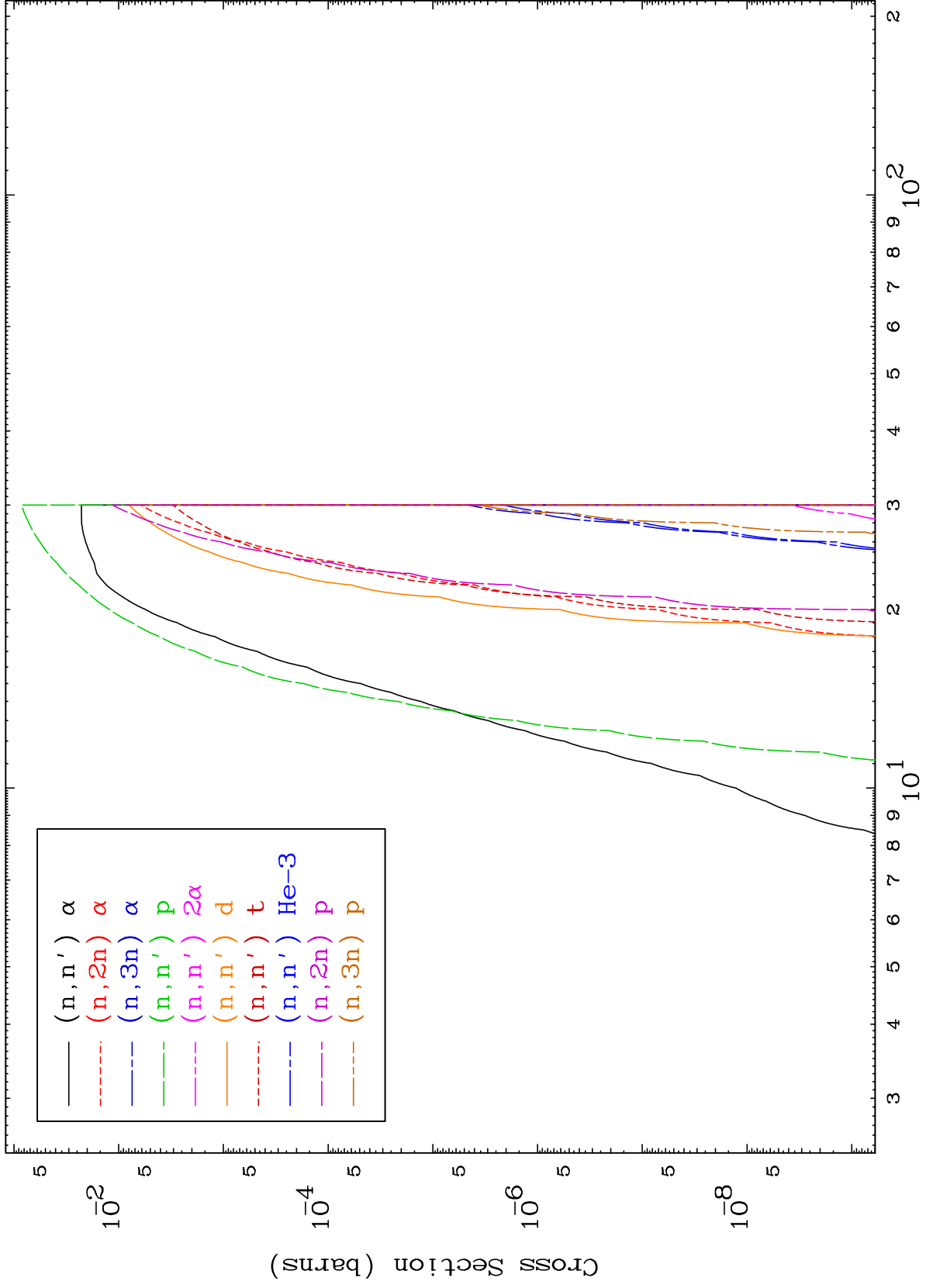
Major
293 Kelvin Cross Sections

56-Ba-138





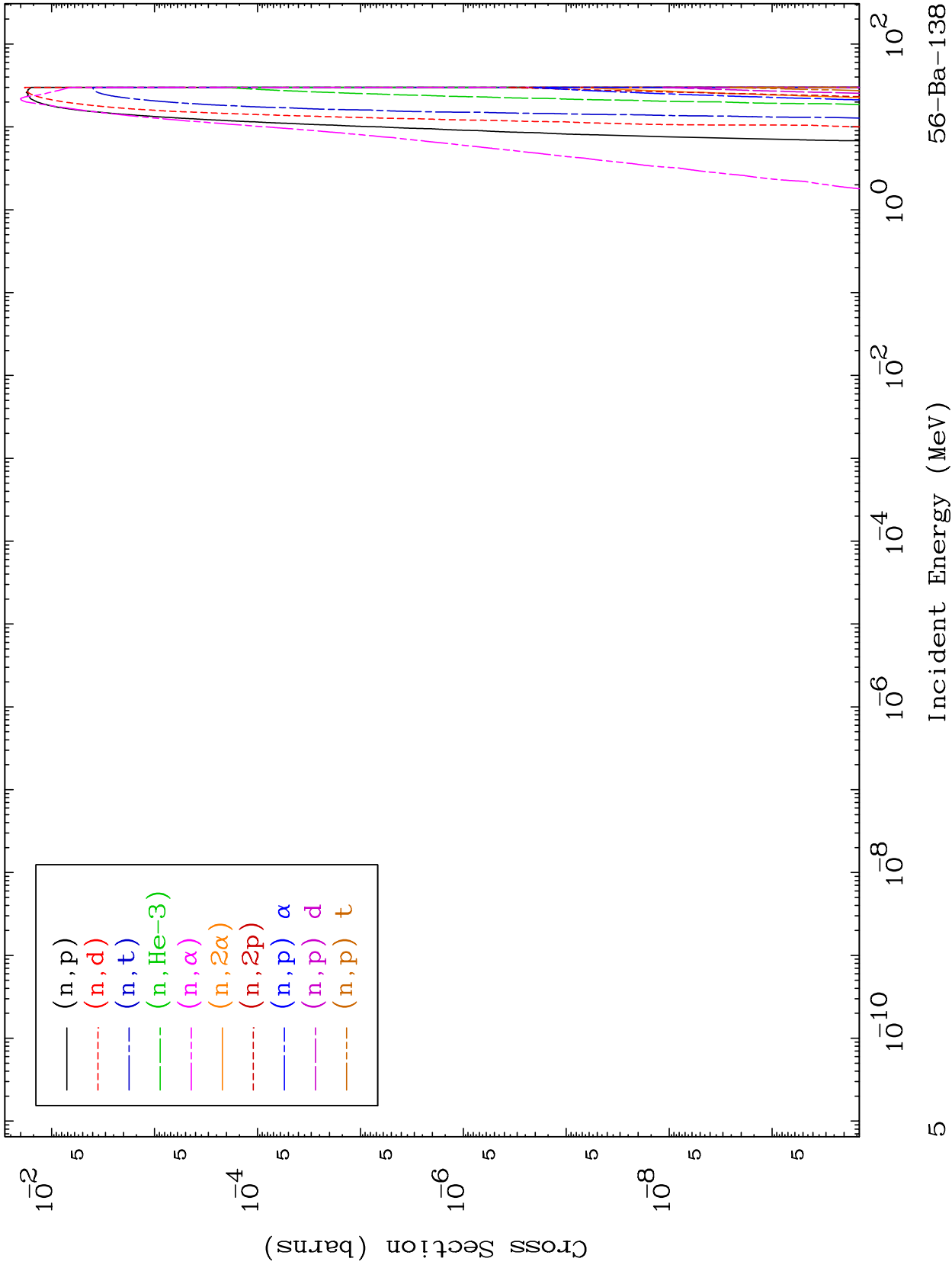




MAT 5649

Charged Particle
293 Kelvin Cross Sections

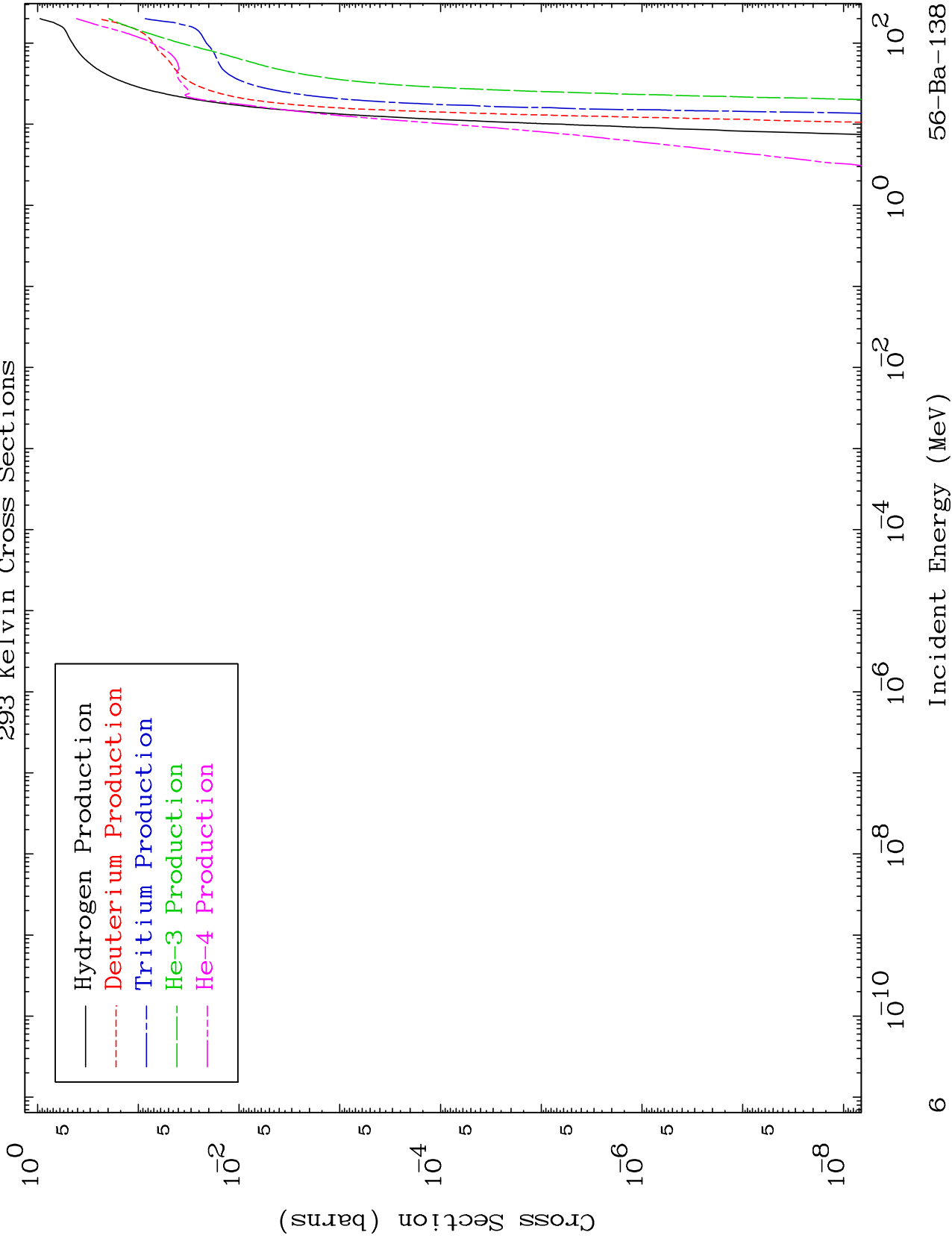
56-Ba-138



MAT 5649

Particle Production
293 Kelvin Cross Sections

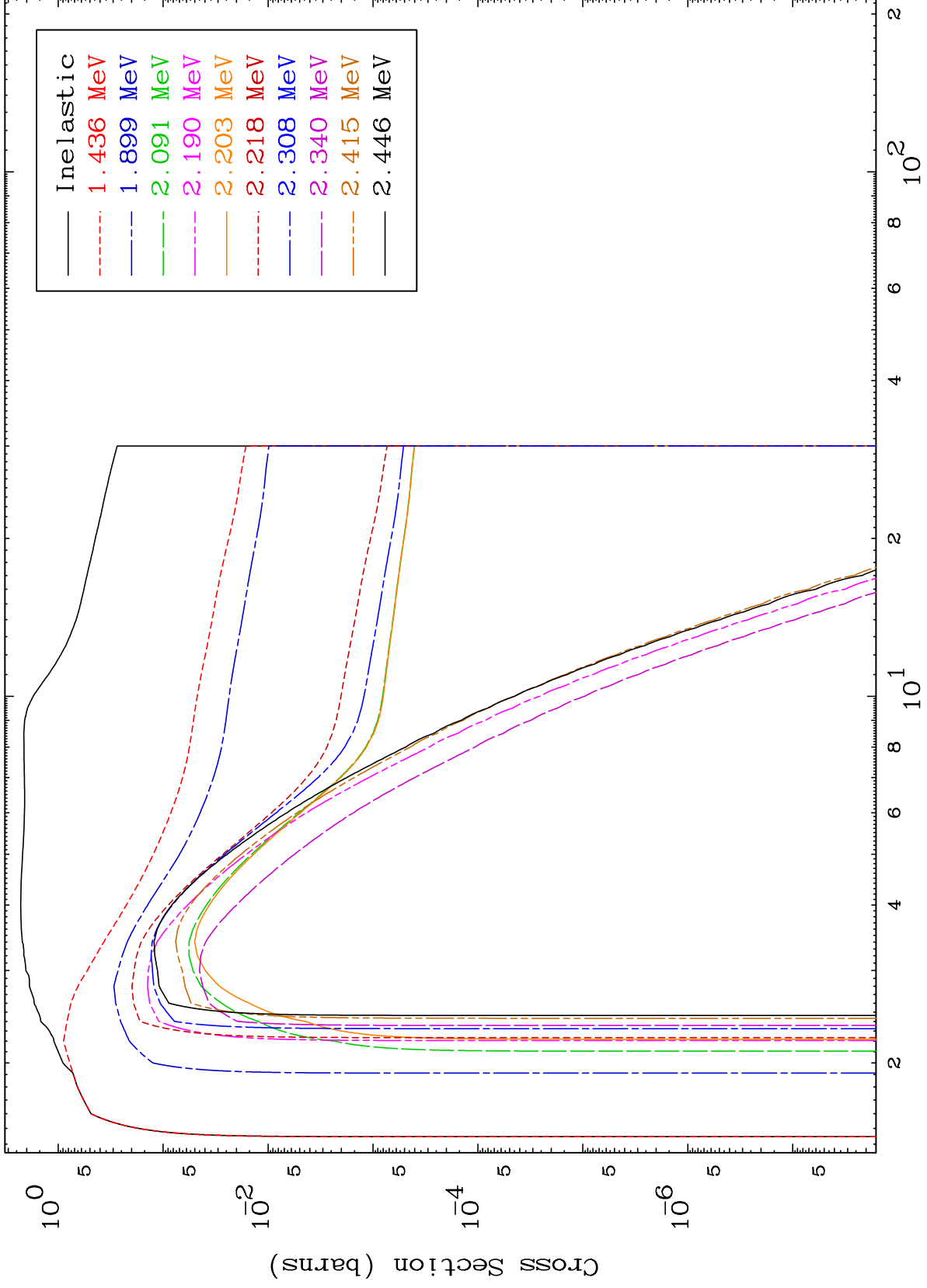
56-Ba-138



MAT 5649

(n,n') Level
293 Kelvin Cross Sections

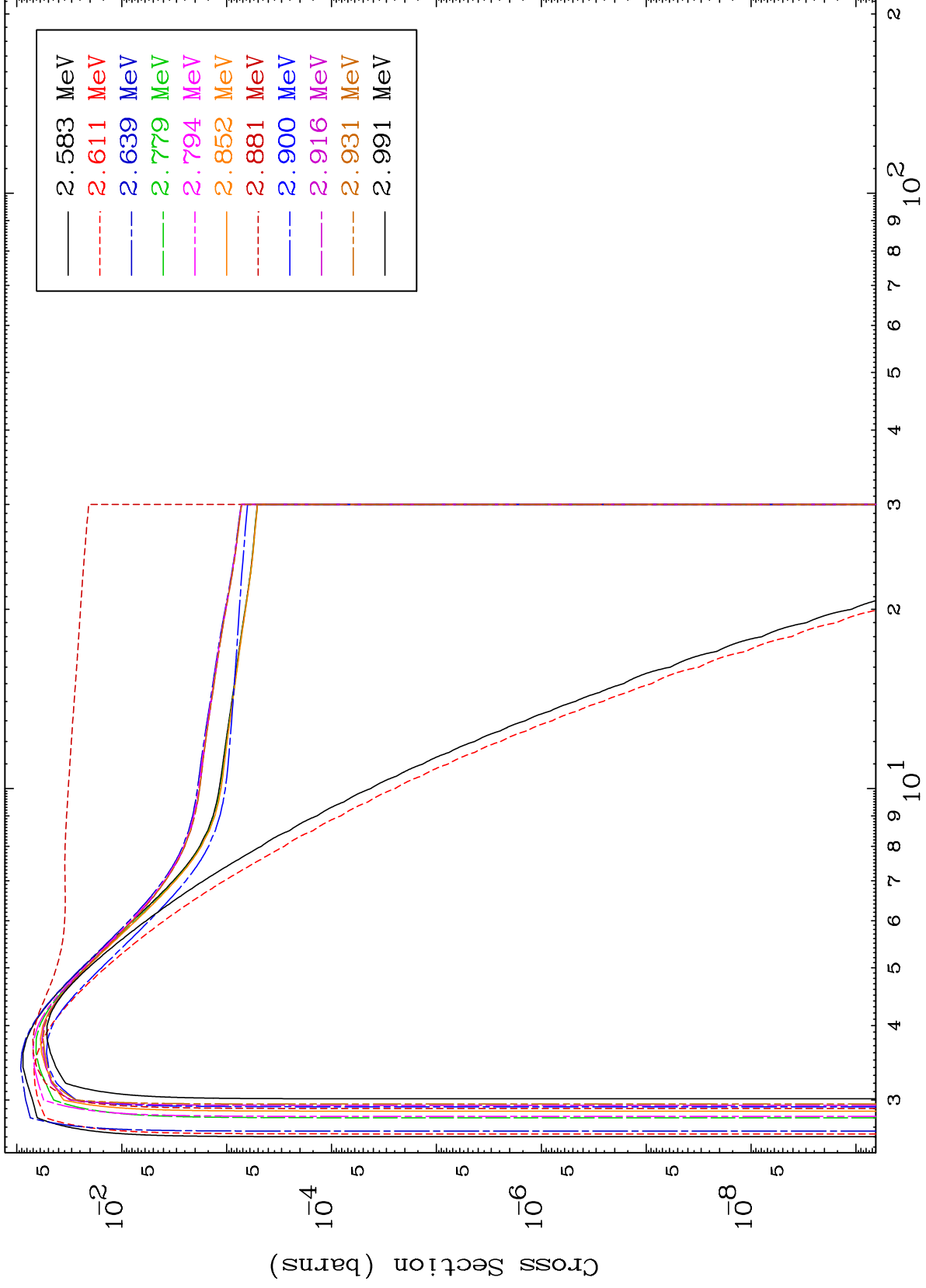
56-Ba-138



MAT 5649

(n,n') Level
293 Kelvin Cross Sections

56-Ba-138



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Incident Energy (MeV)

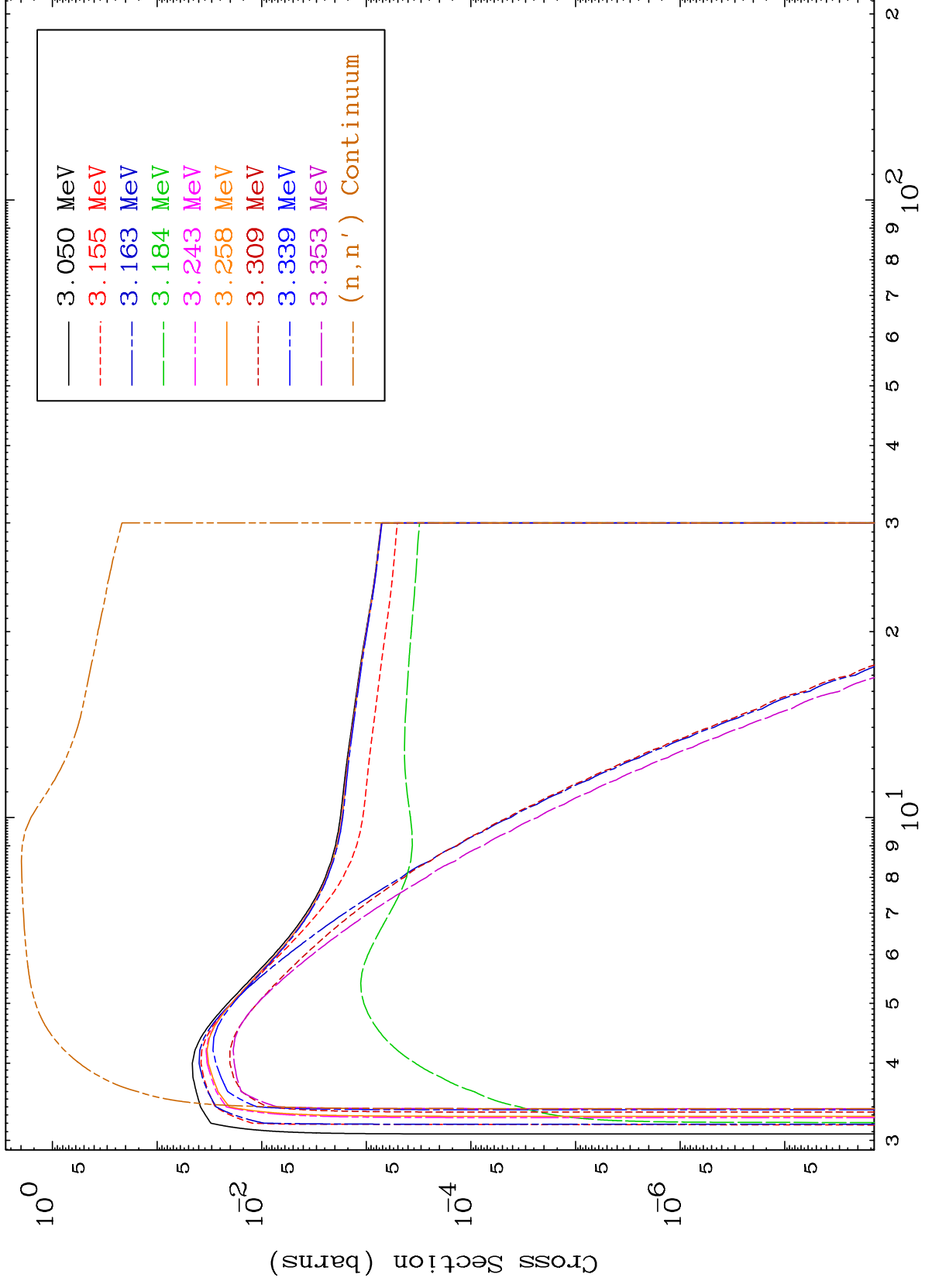
56-Ba-138

MAT 5649

(n,n') Level

56-Ba-138

293 Kelvin Cross Sections



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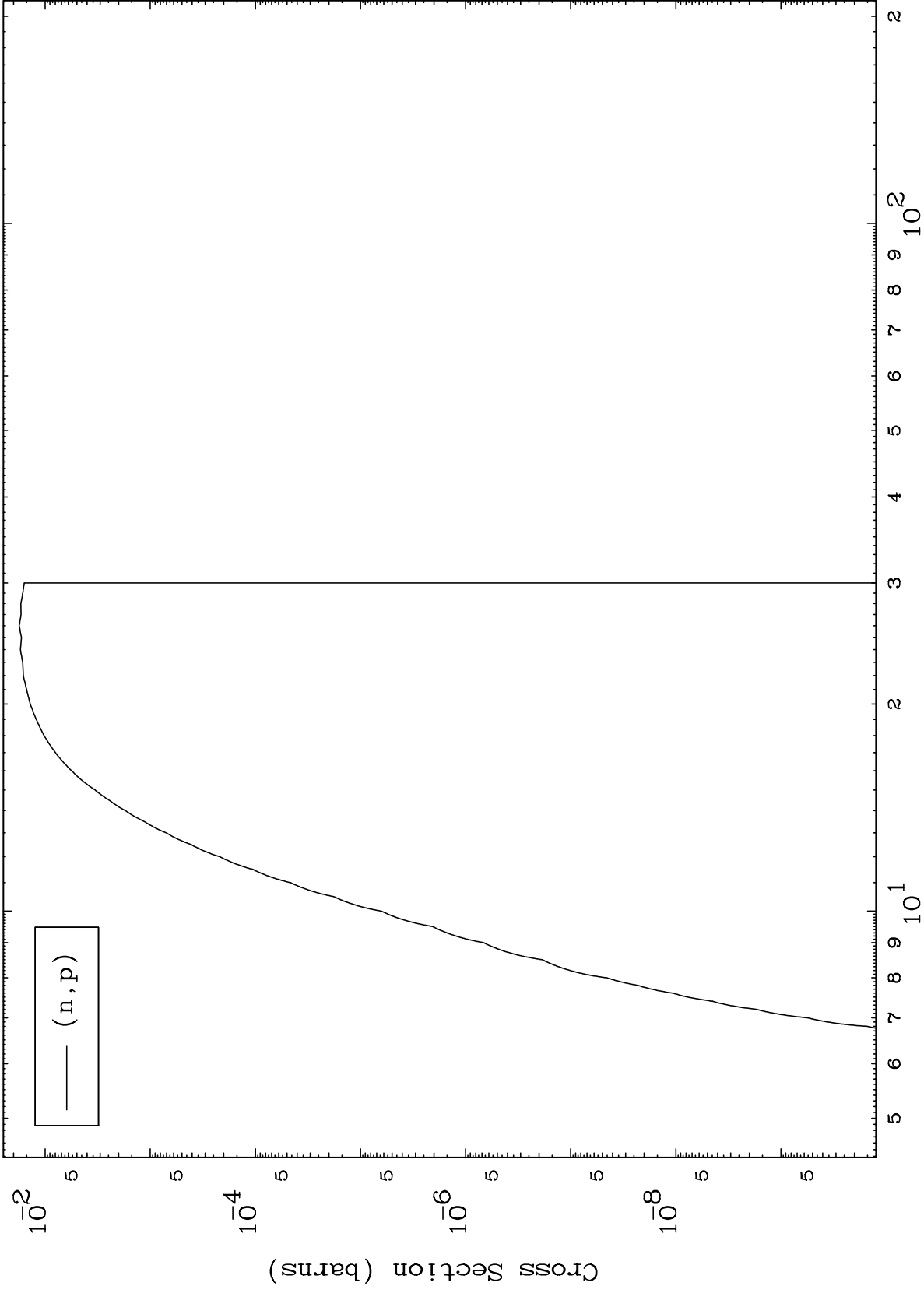
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-138



10

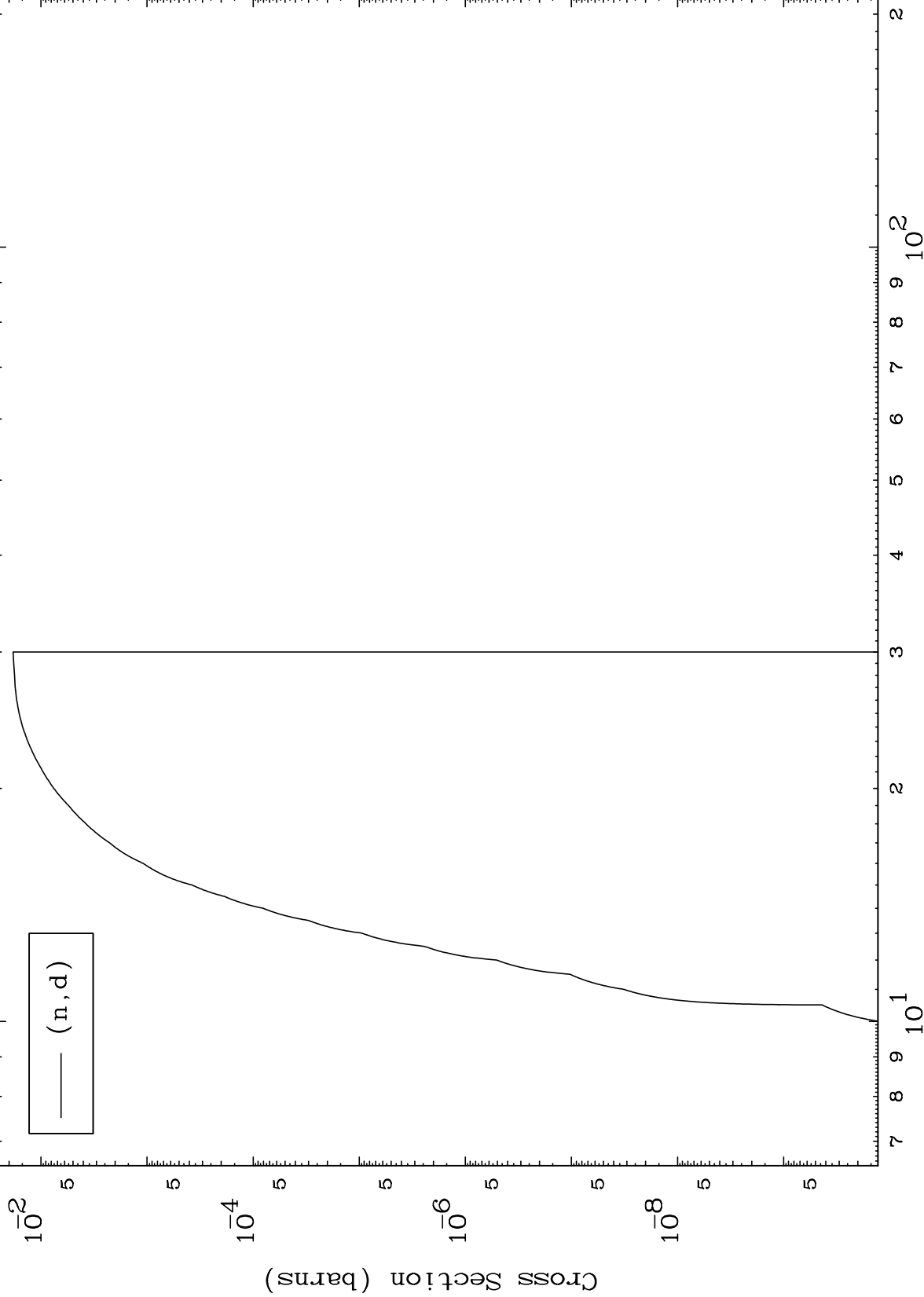
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-138



11

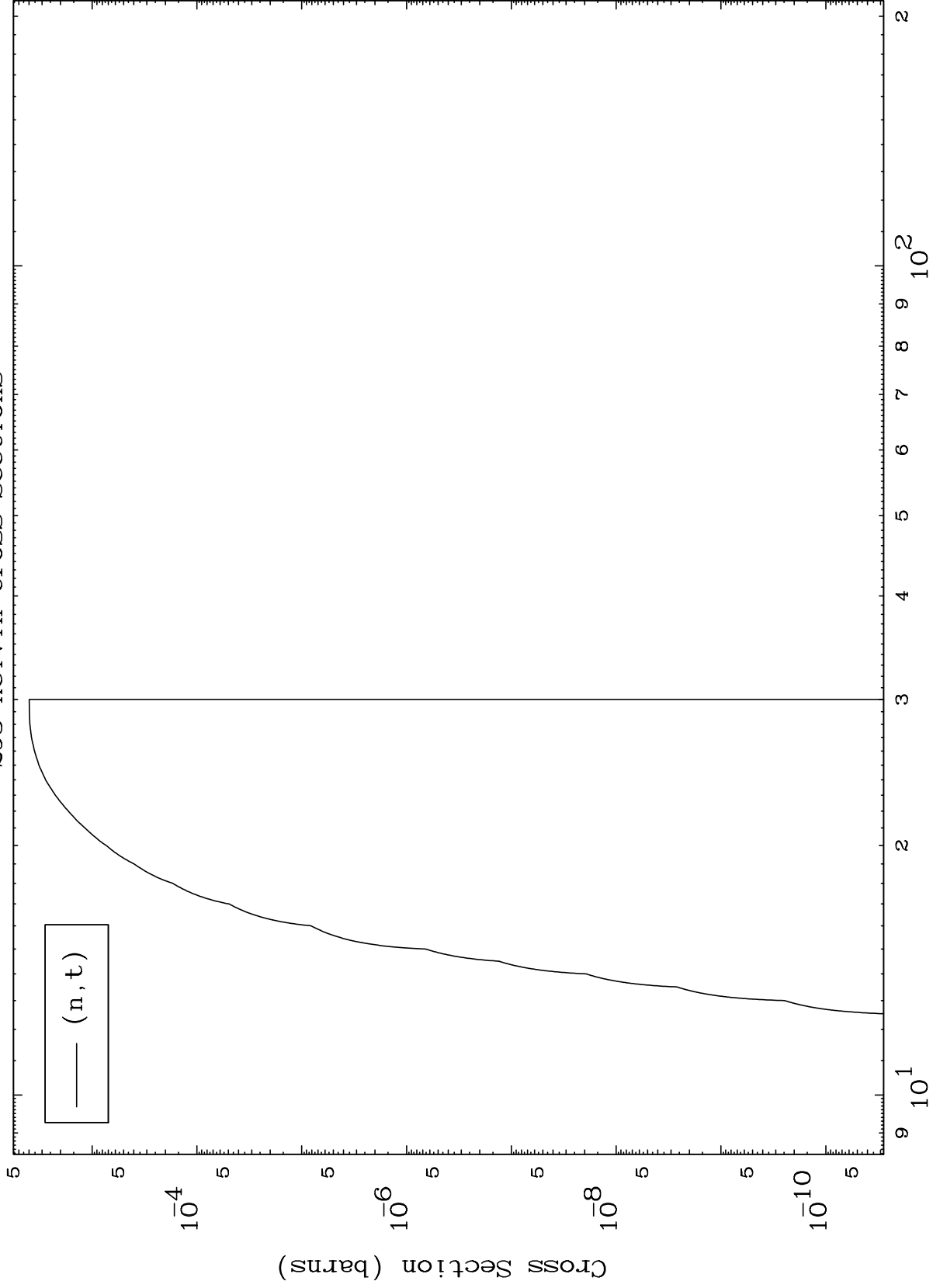
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-138



12

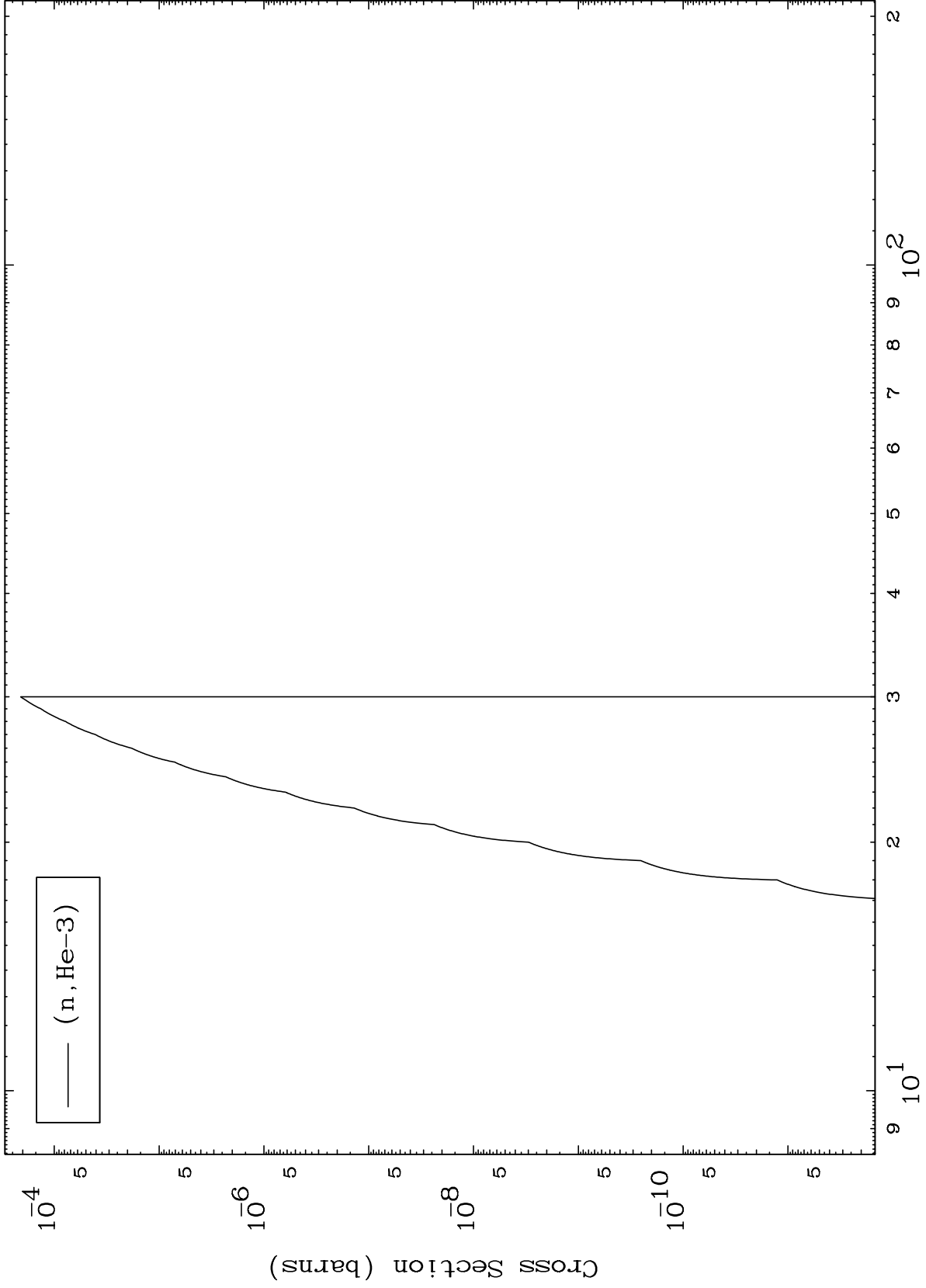
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-138



13

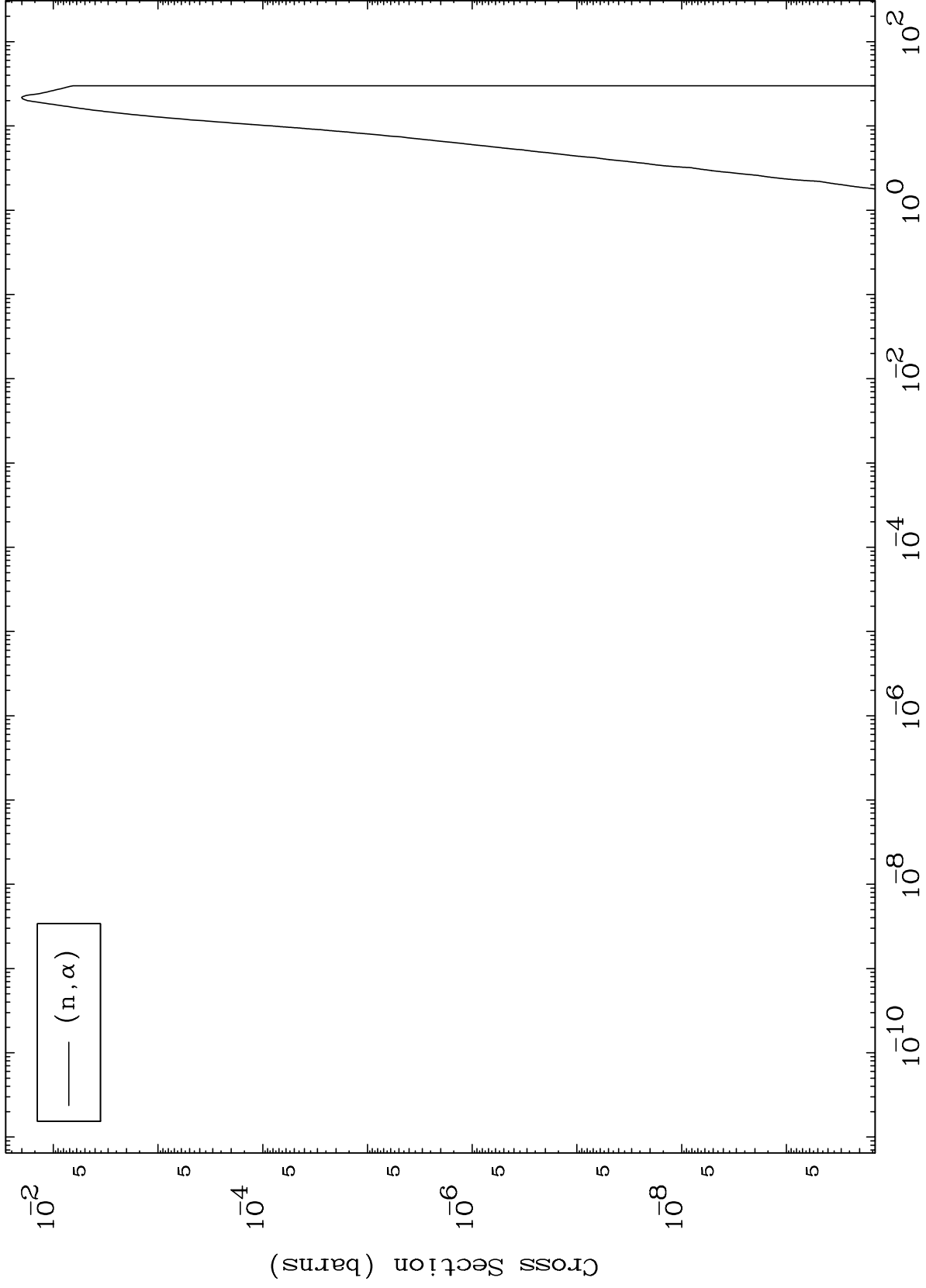
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n, α) Levels
293 Kelvin Cross Sections

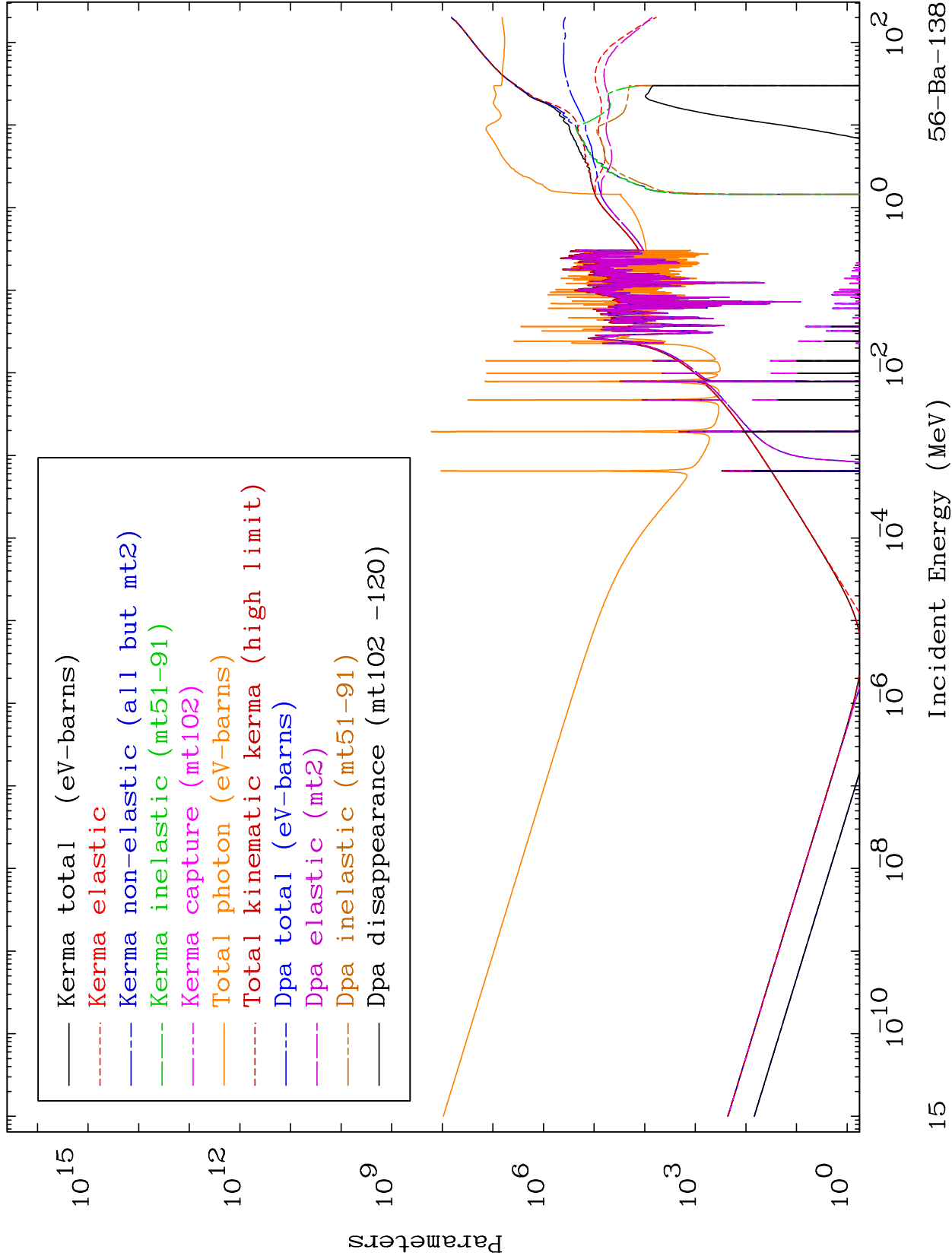
56-Ba-138



14

Incident Energy (MeV)

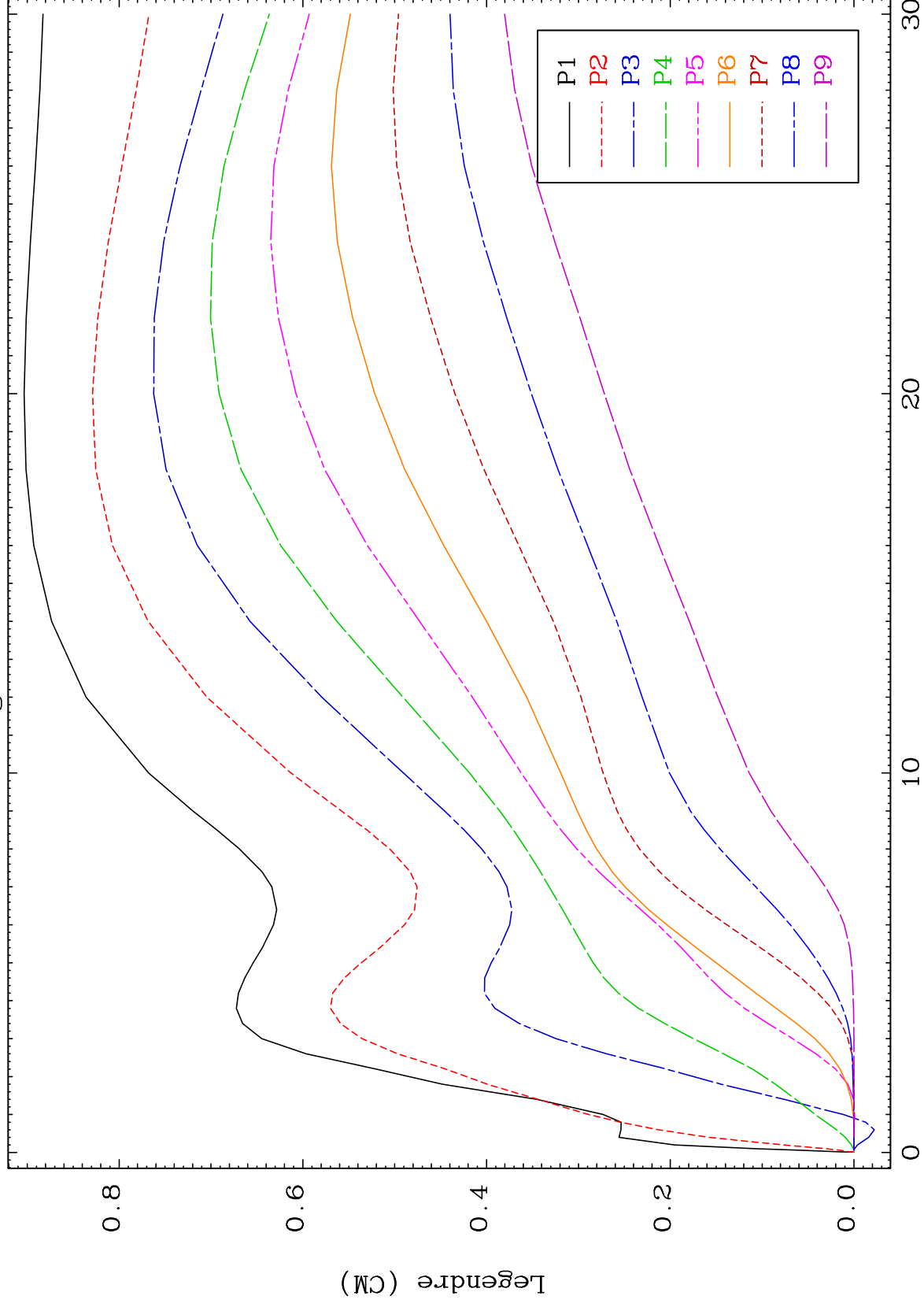
56-Ba-138



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Elastic Legendre Coefficients

56-Ba-138



16

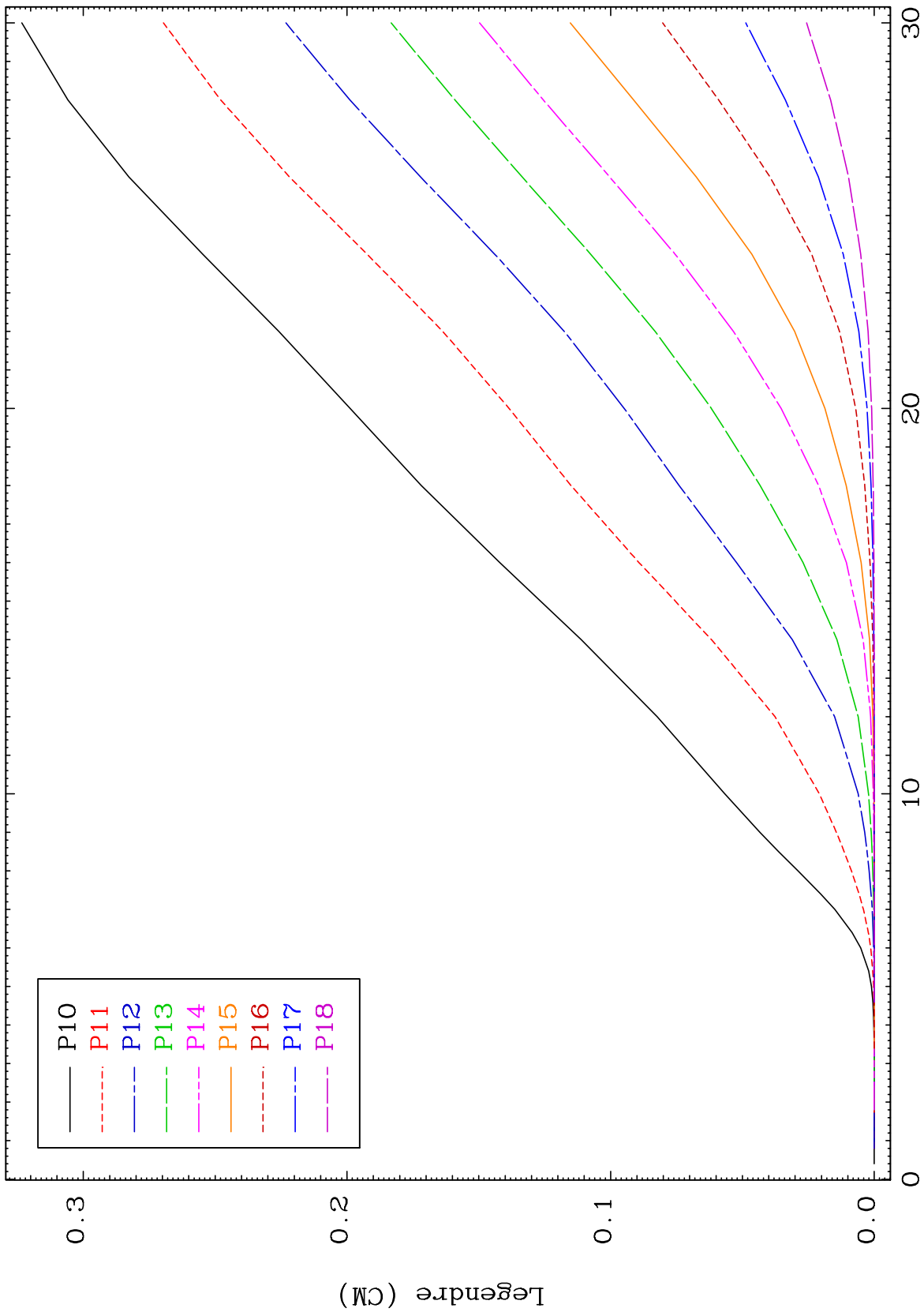
Incident Energy (MeV)

56-Ba-138

MAT 5649

Elastic Legendre Coefficients

56-Ba-138



17

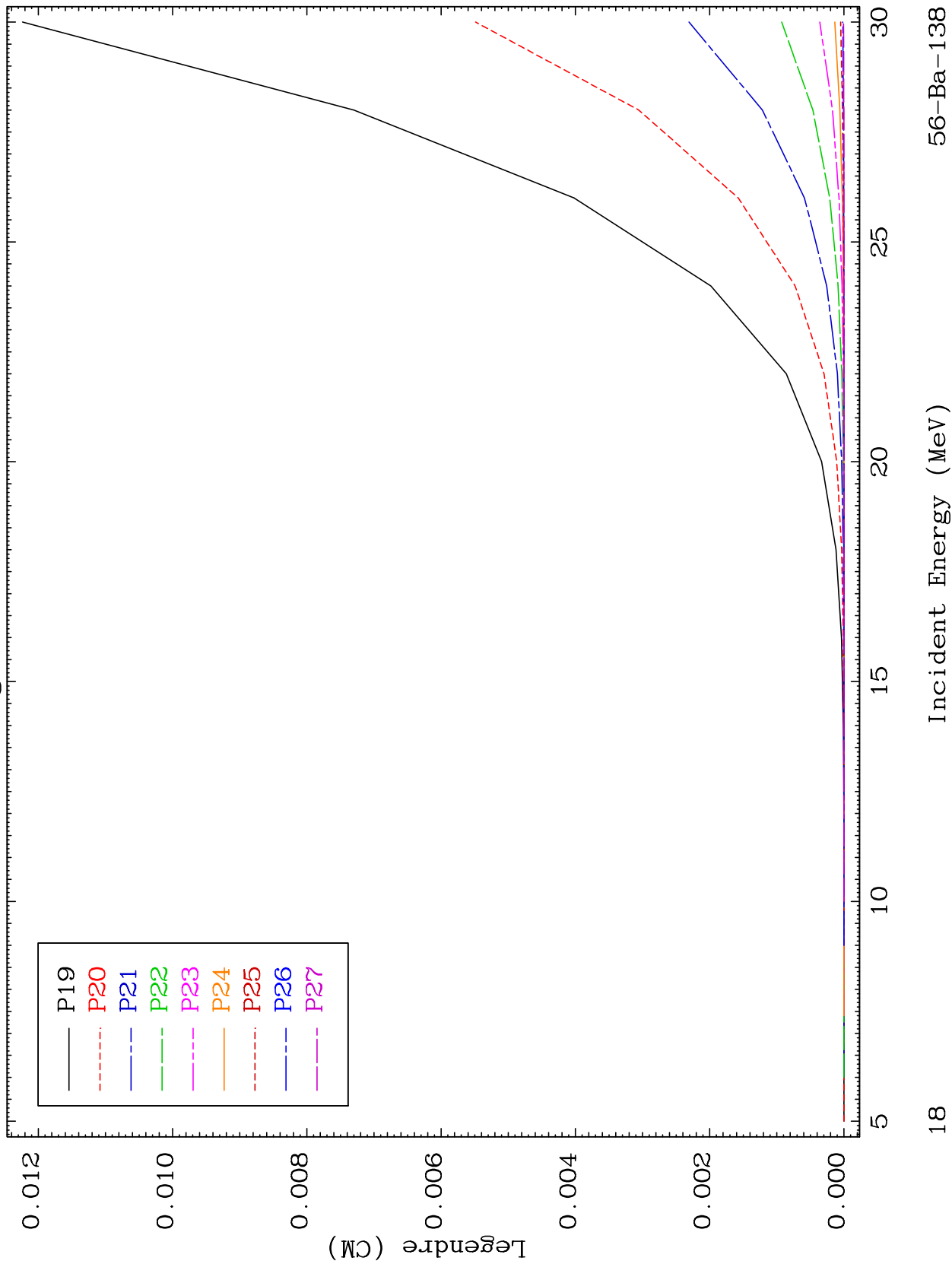
Incident Energy (MeV)

56-Ba-138

MAT 5649

Elastic Legendre Coefficients

56-Ba-138



56-Ba-138

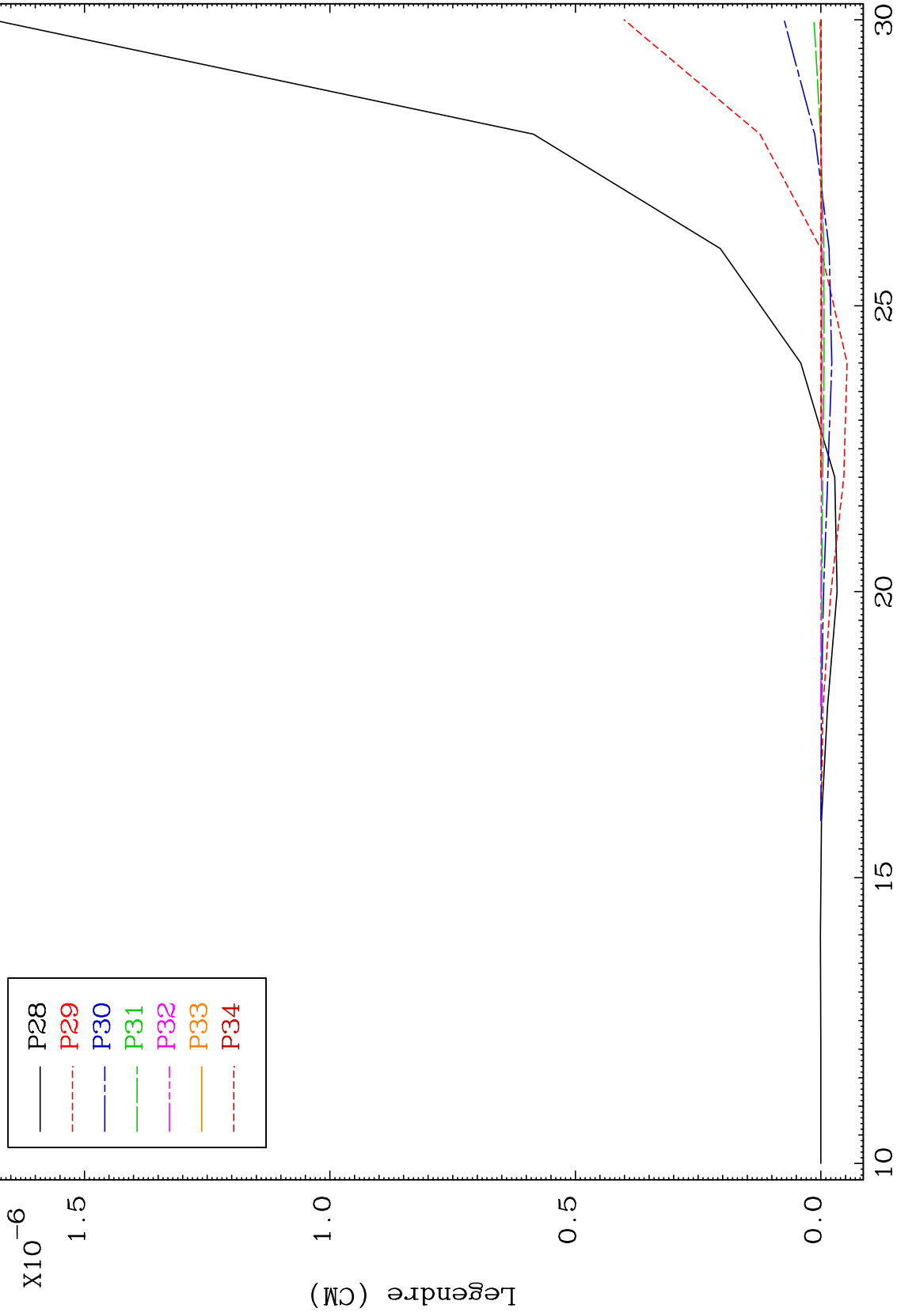
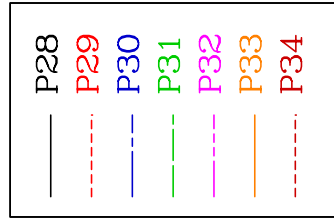
Incident Energy (MeV)

18

MAT 5649

Elastic Legendre Coefficients

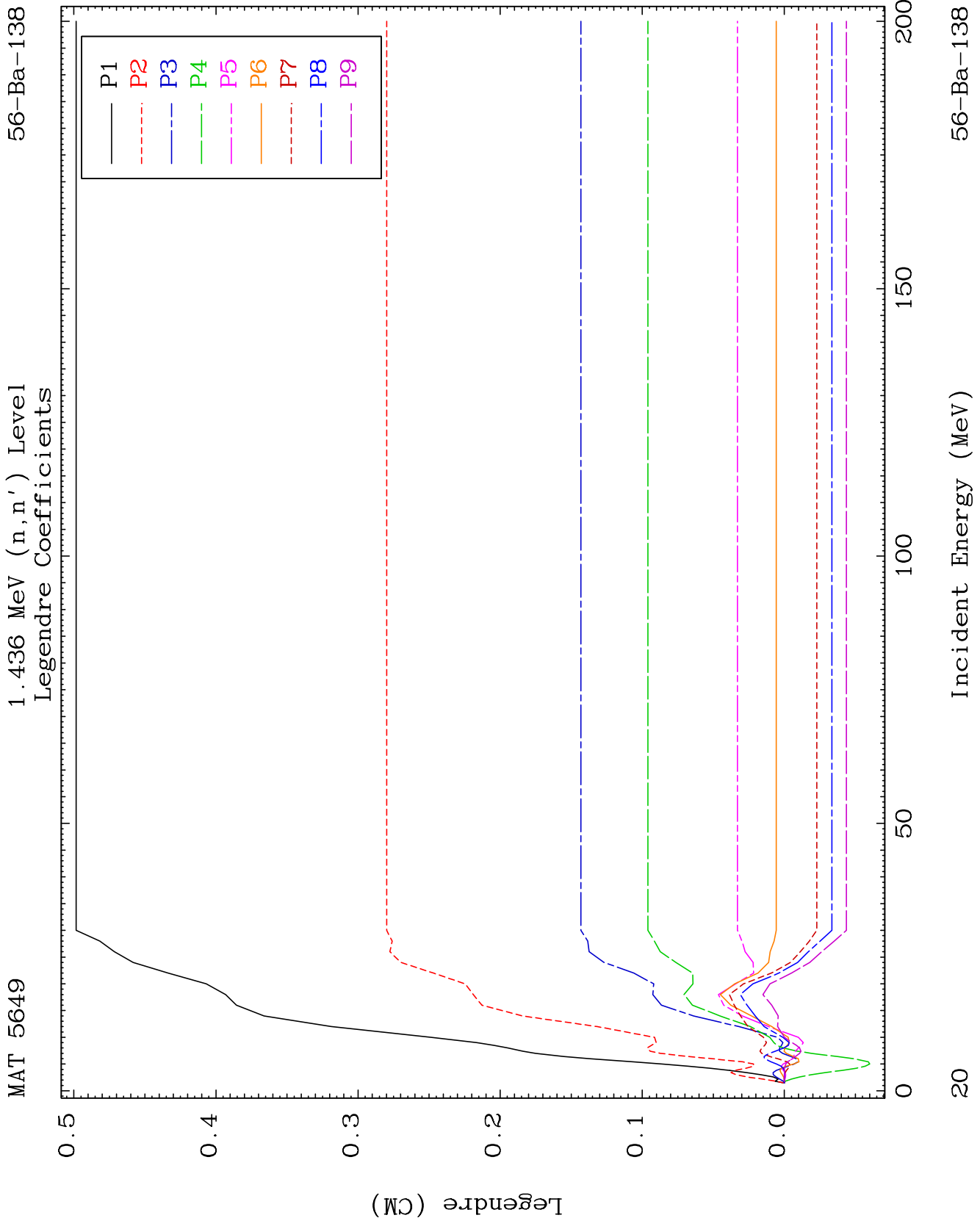
56-Ba-138



19

Incident Energy (MeV)

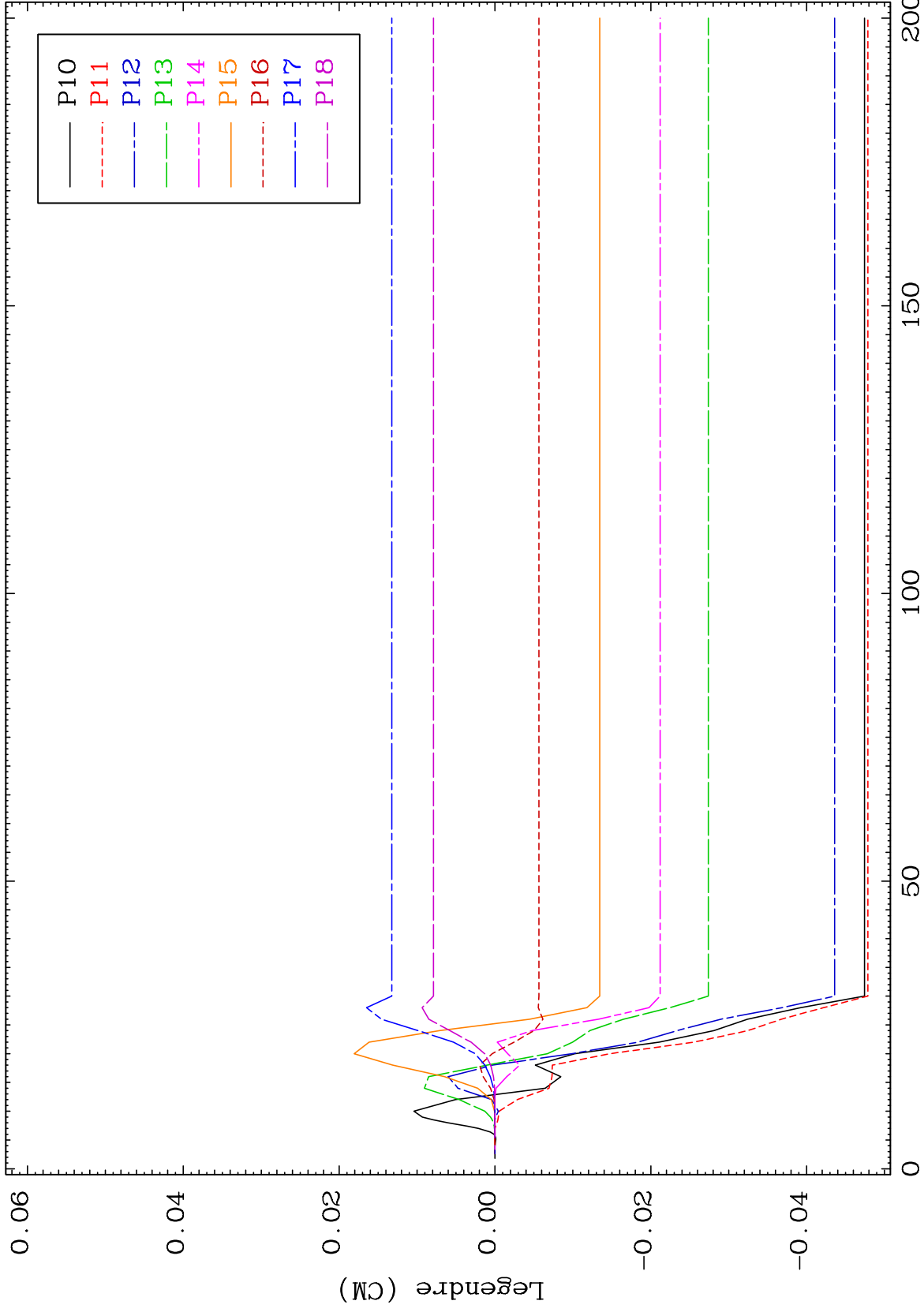
56-Ba-138



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1.436 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



21

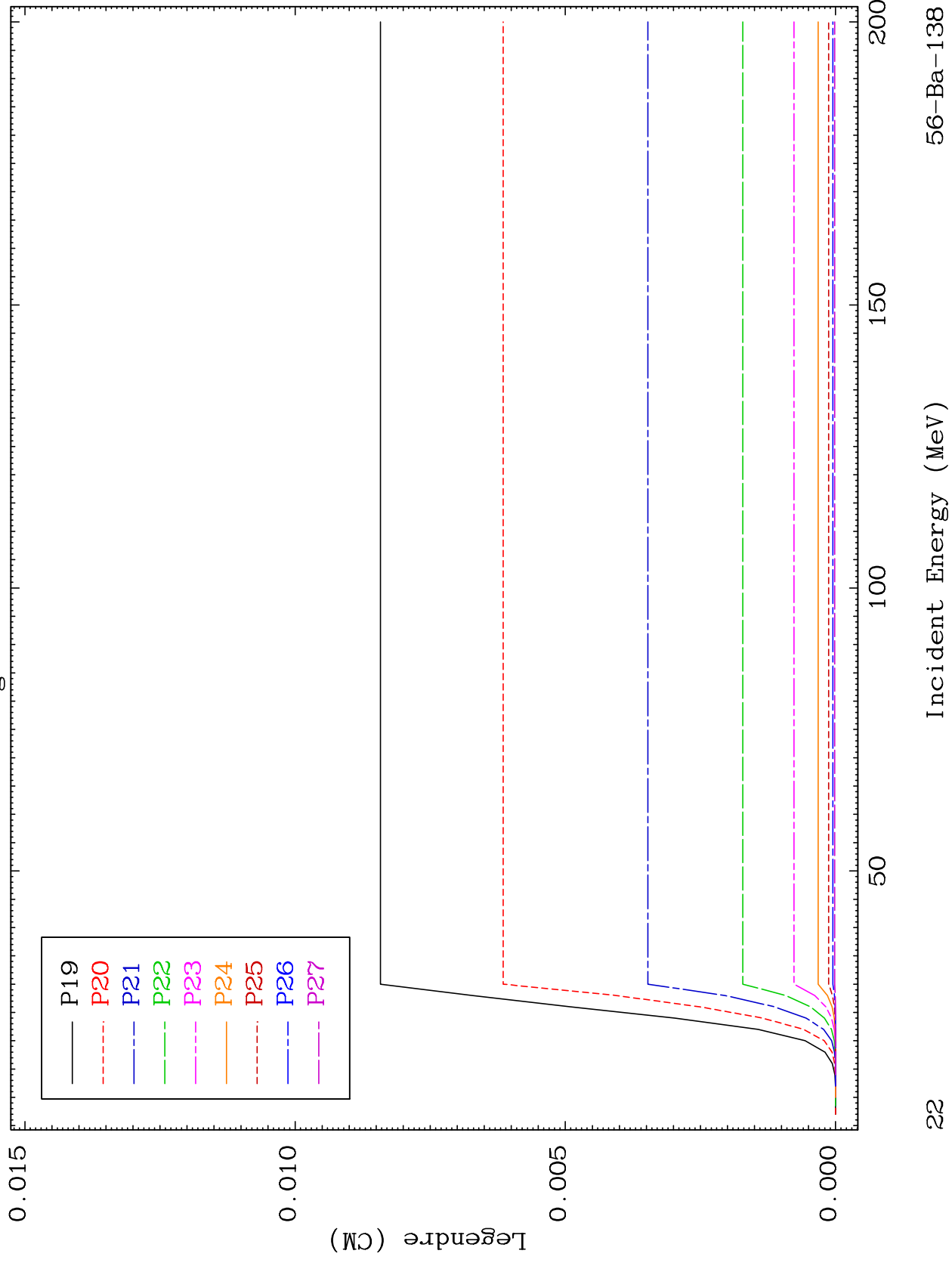
Incident Energy (MeV)

56-Ba-138

MAT 5649

1.436 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



22

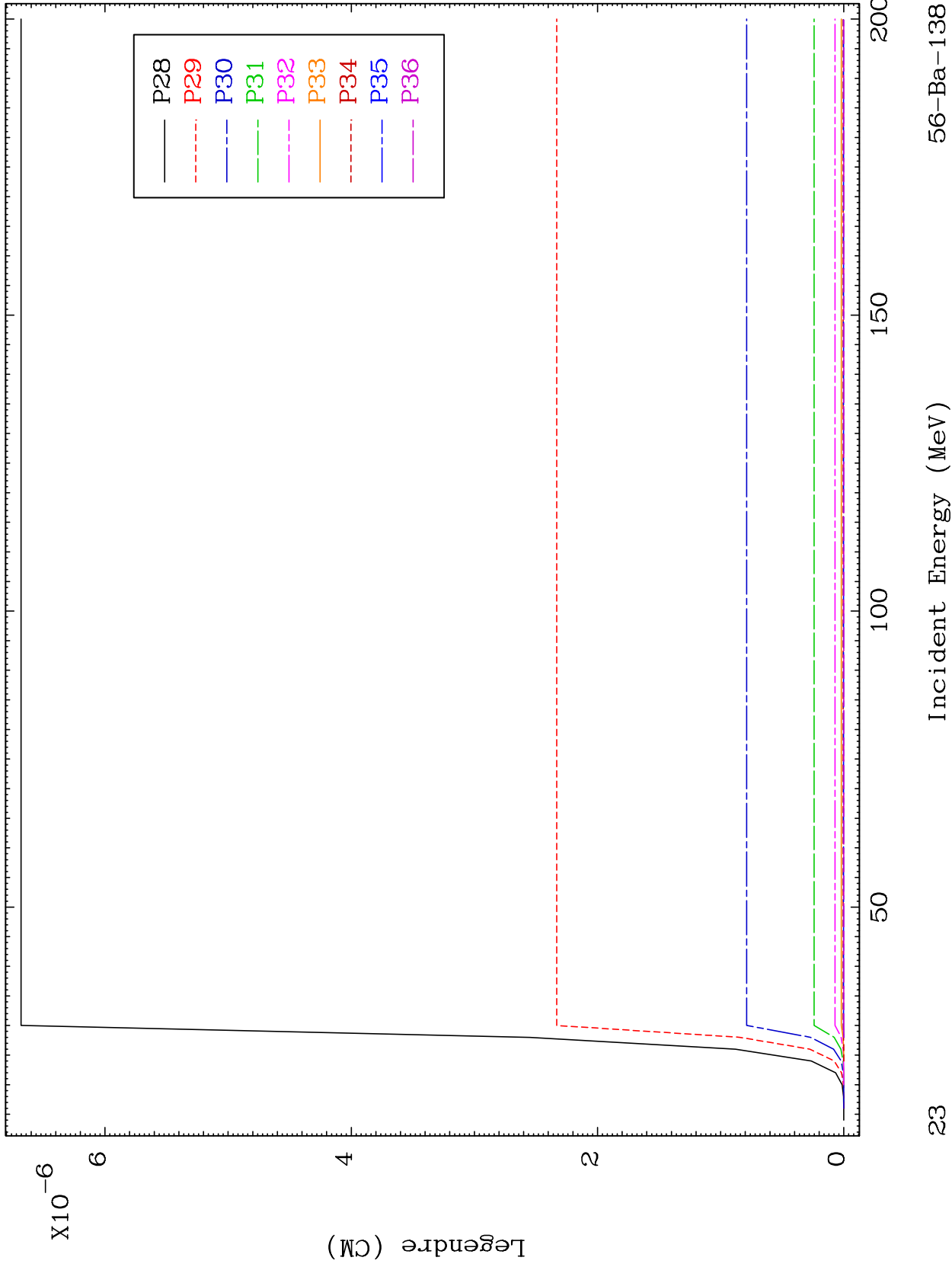
Incident Energy (MeV)

56-Ba-138

MAT 5649

1.436 MeV (n,n') Level
Legendre Coefficients

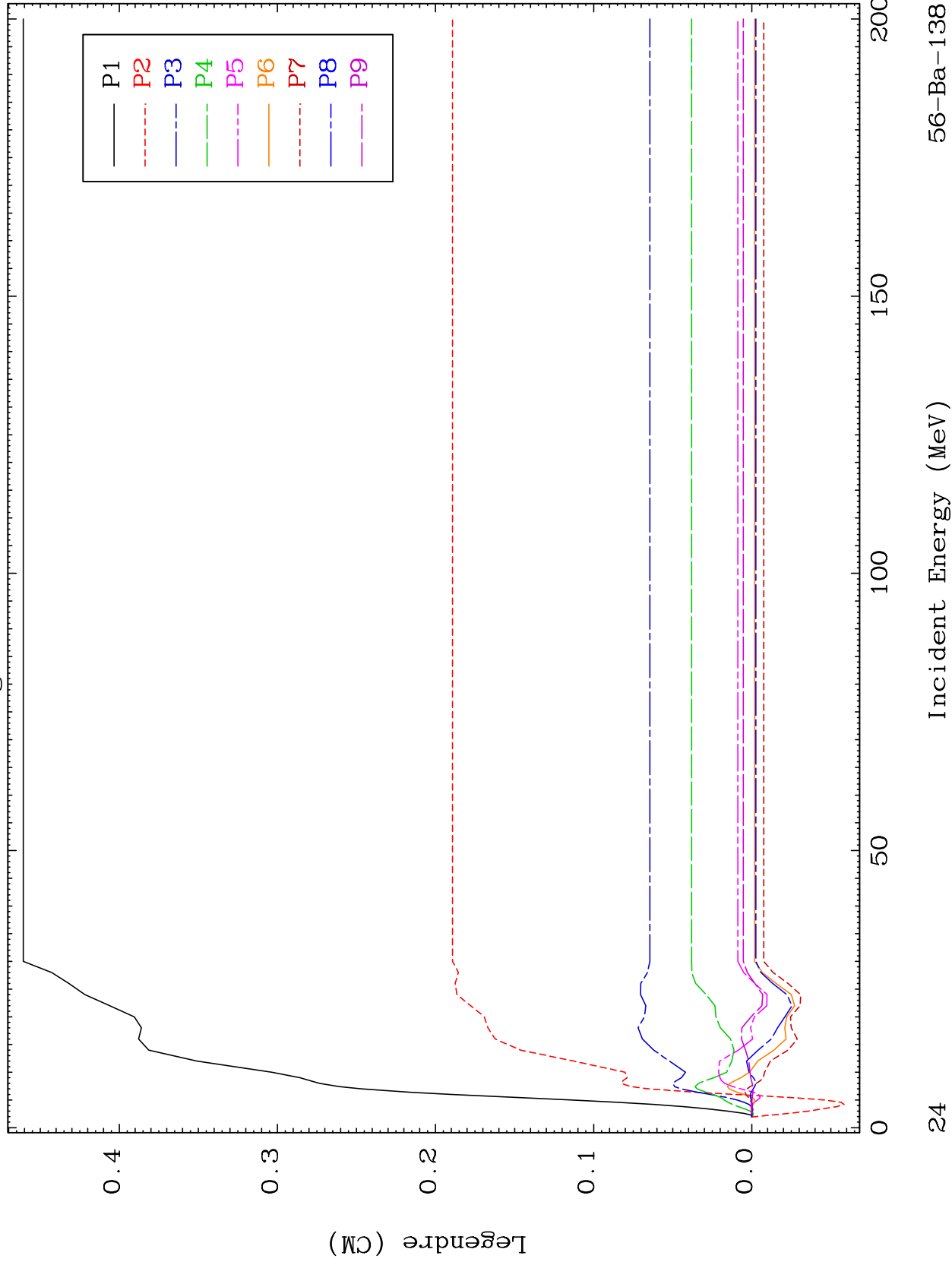
56-Ba-138



MAT 5649

1.899 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



56-Ba-138

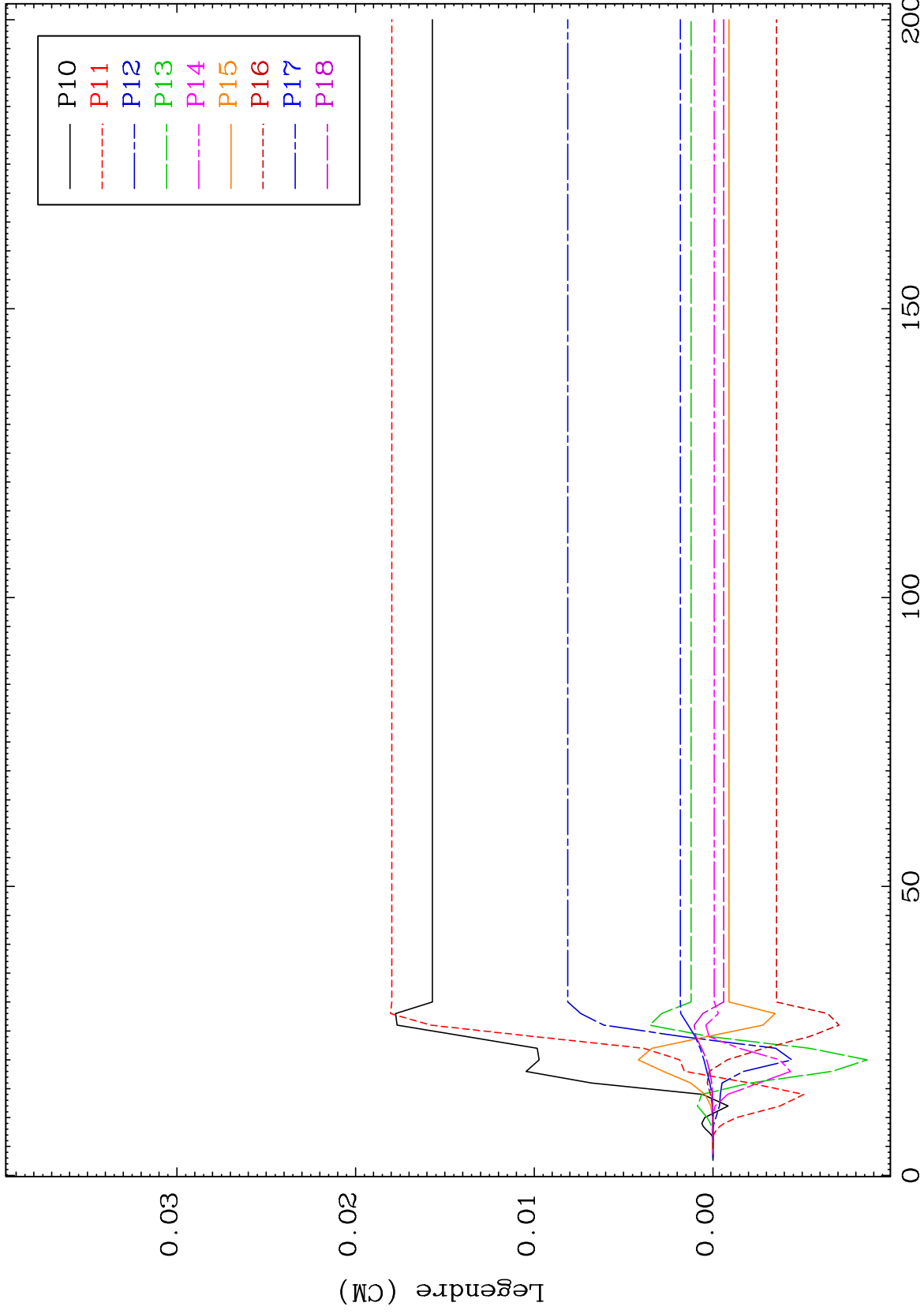
Incident Energy (MeV)

24

MAT 5649

1.899 MeV (n,n') Level
Legendre Coefficients

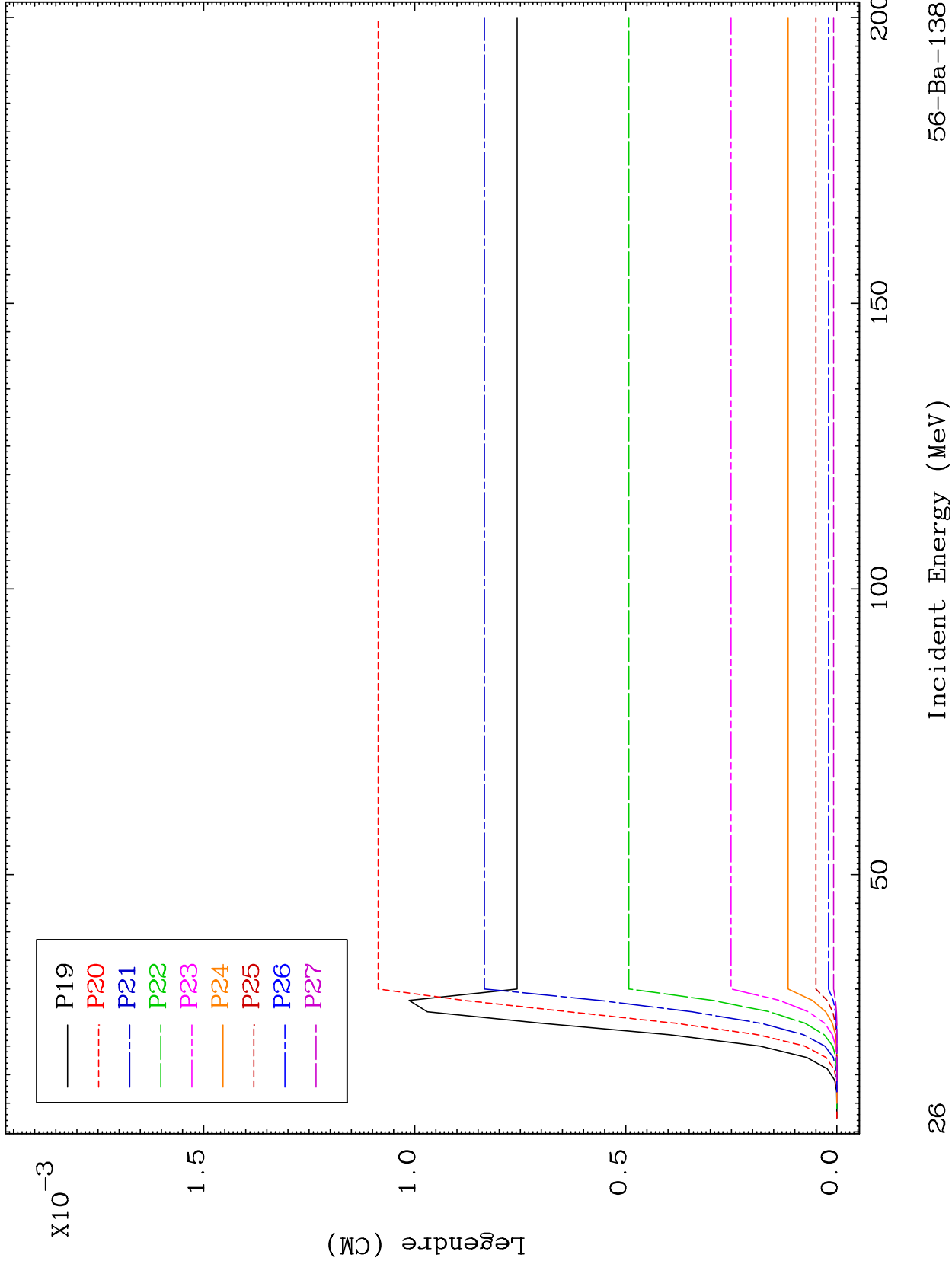
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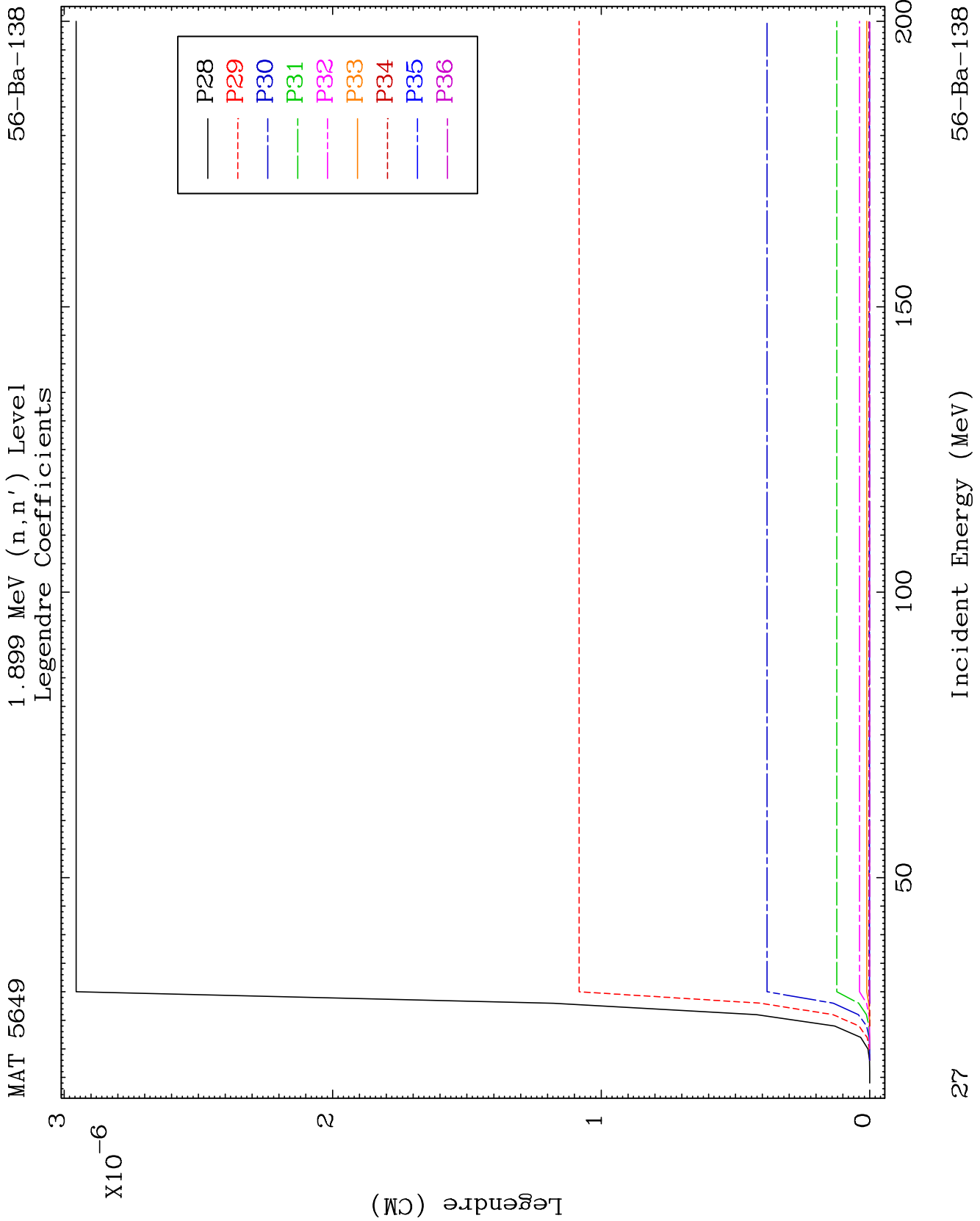


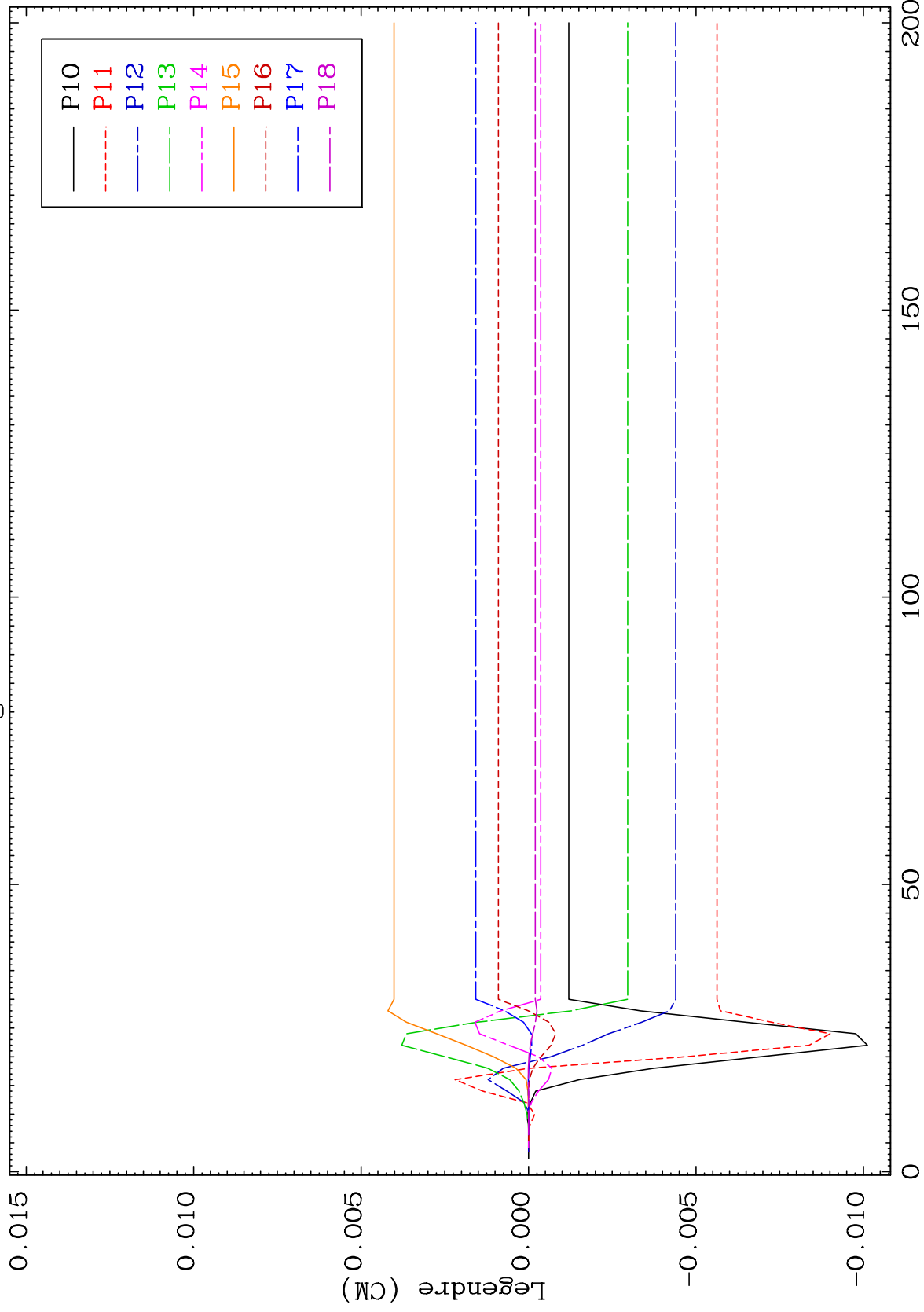
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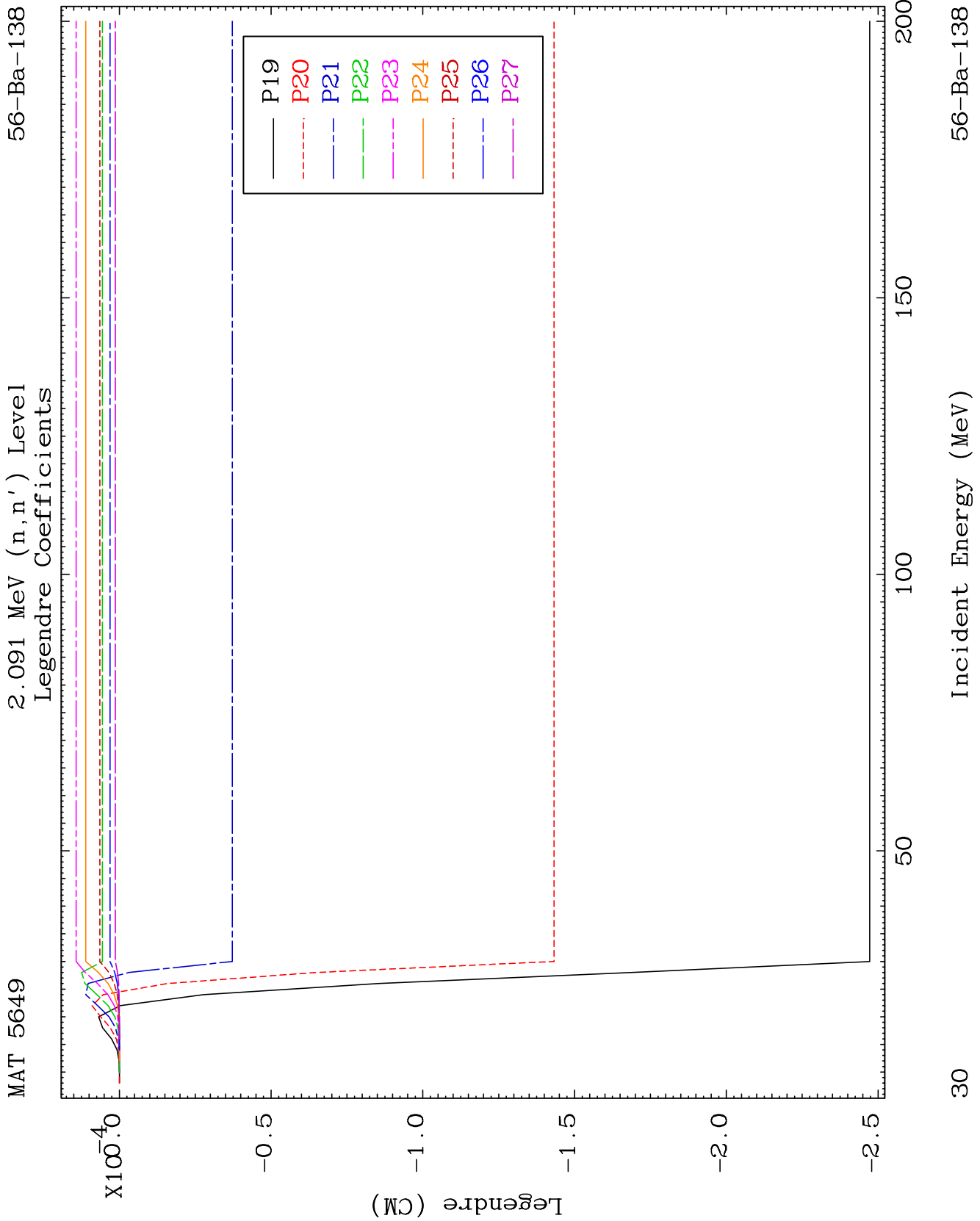
Incident Energy (MeV)

56-Ba-138





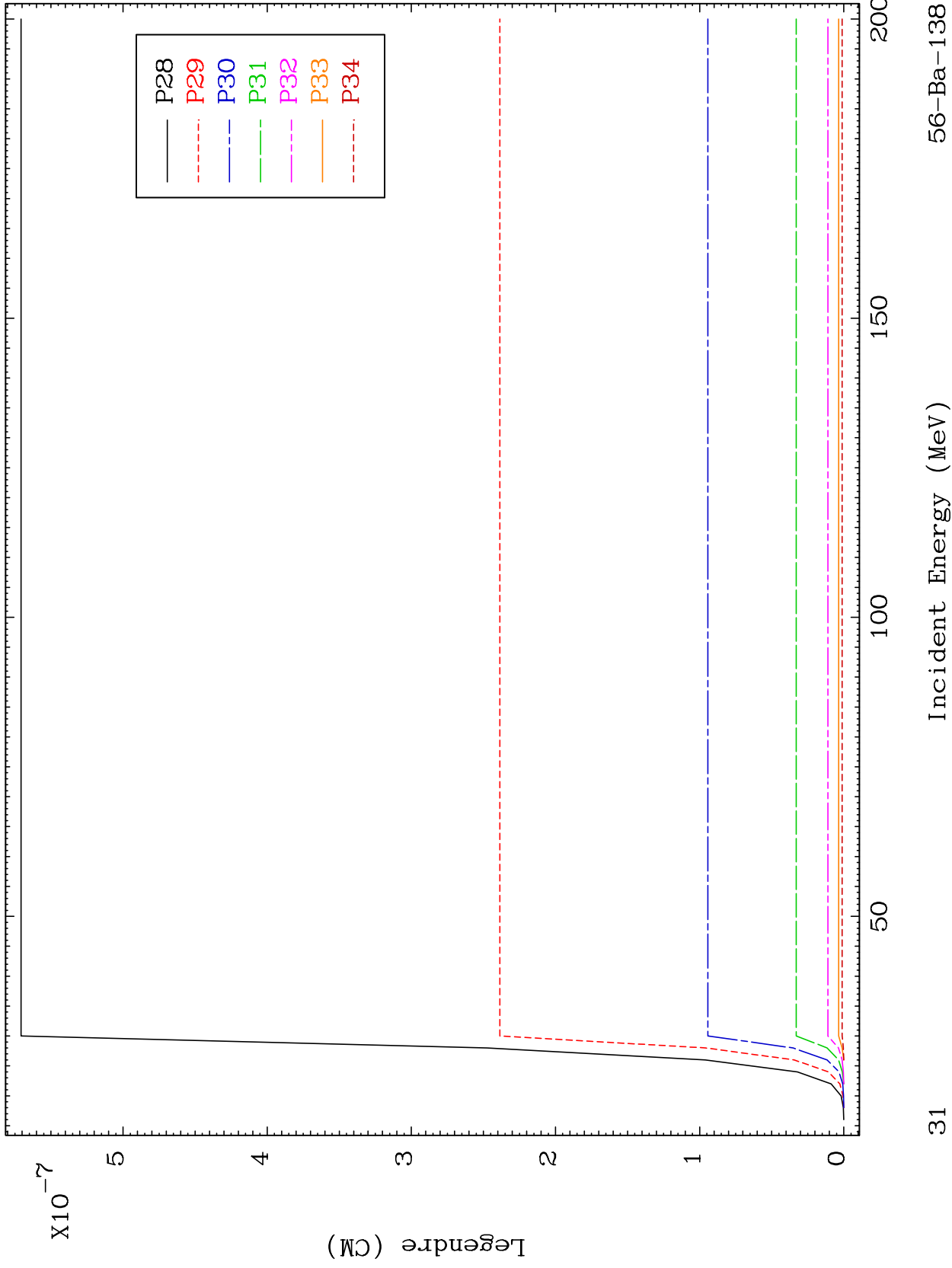




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2.091 MeV (n,n') Level
Legendre Coefficients

56-Ba-138

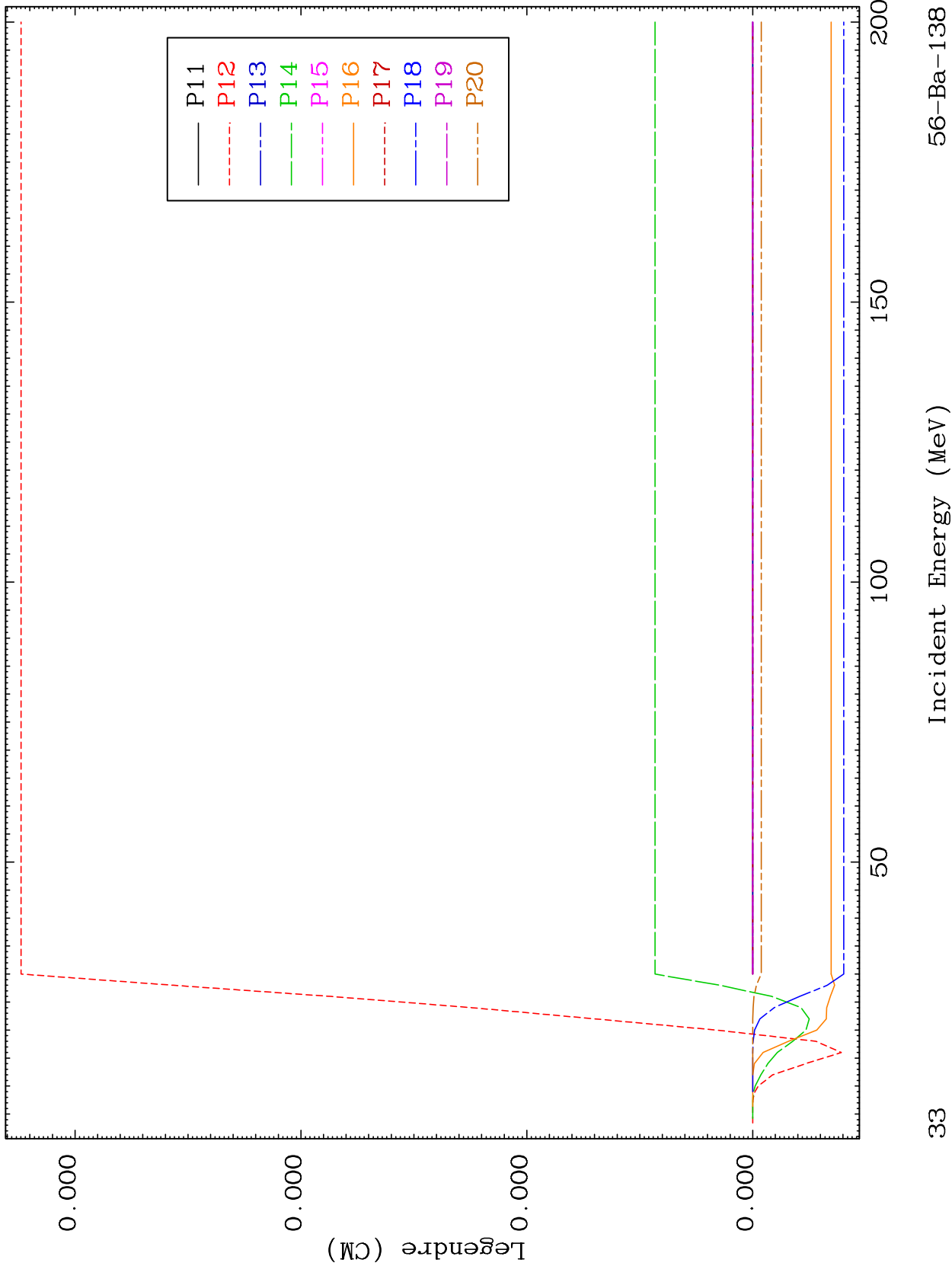


31

MAT 5649

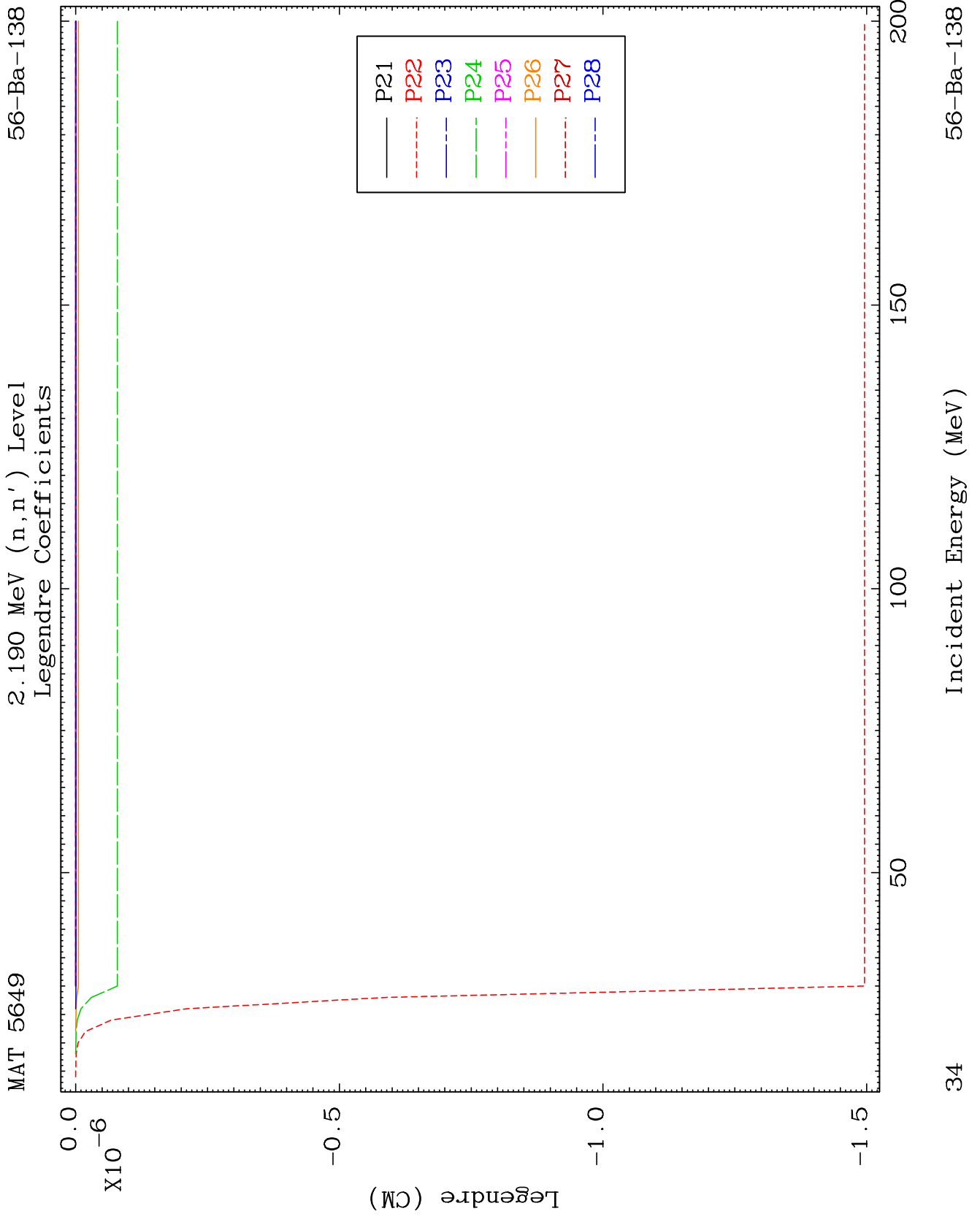
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Legendre Coefficients

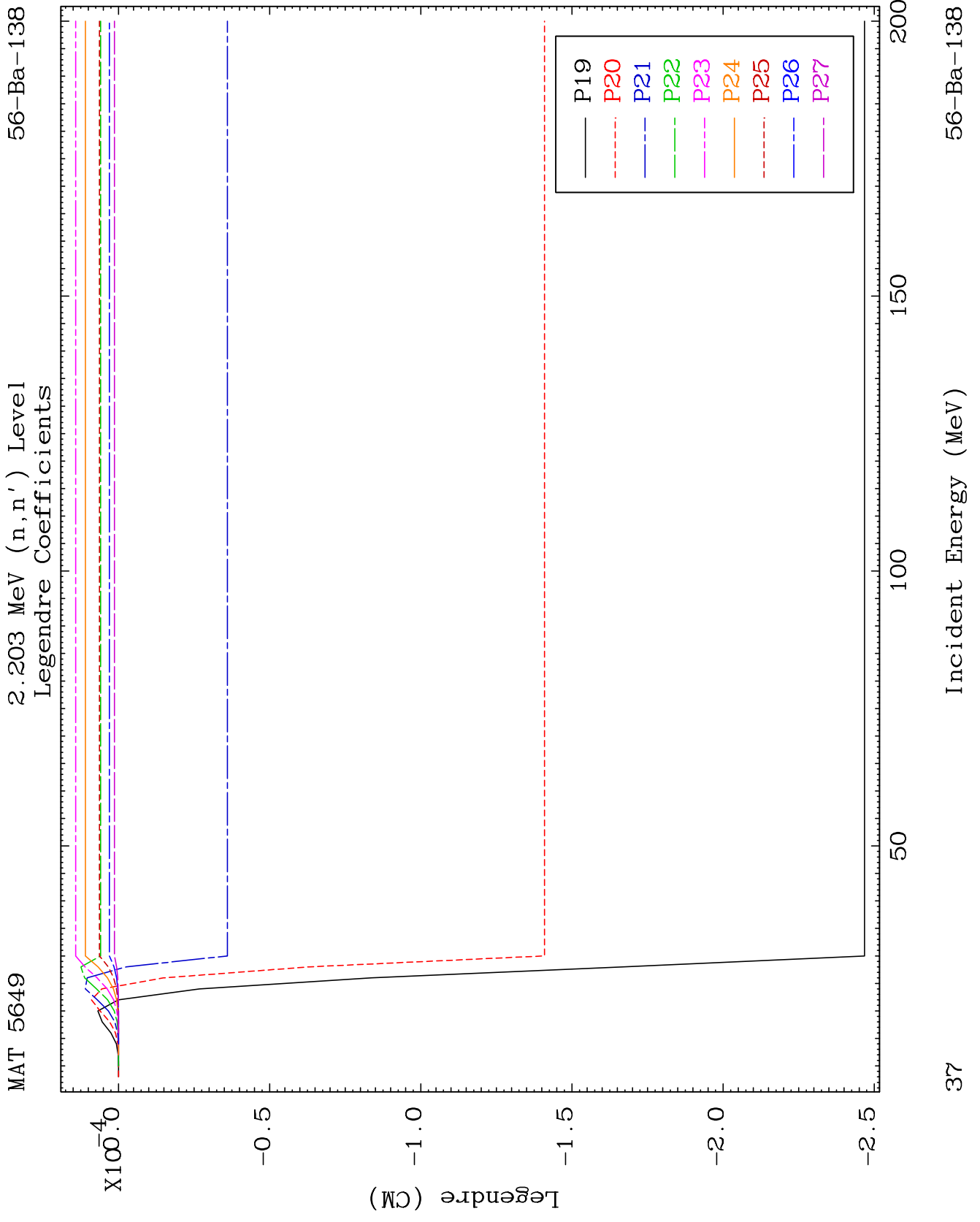
56-Ba-138



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56-Ba-138

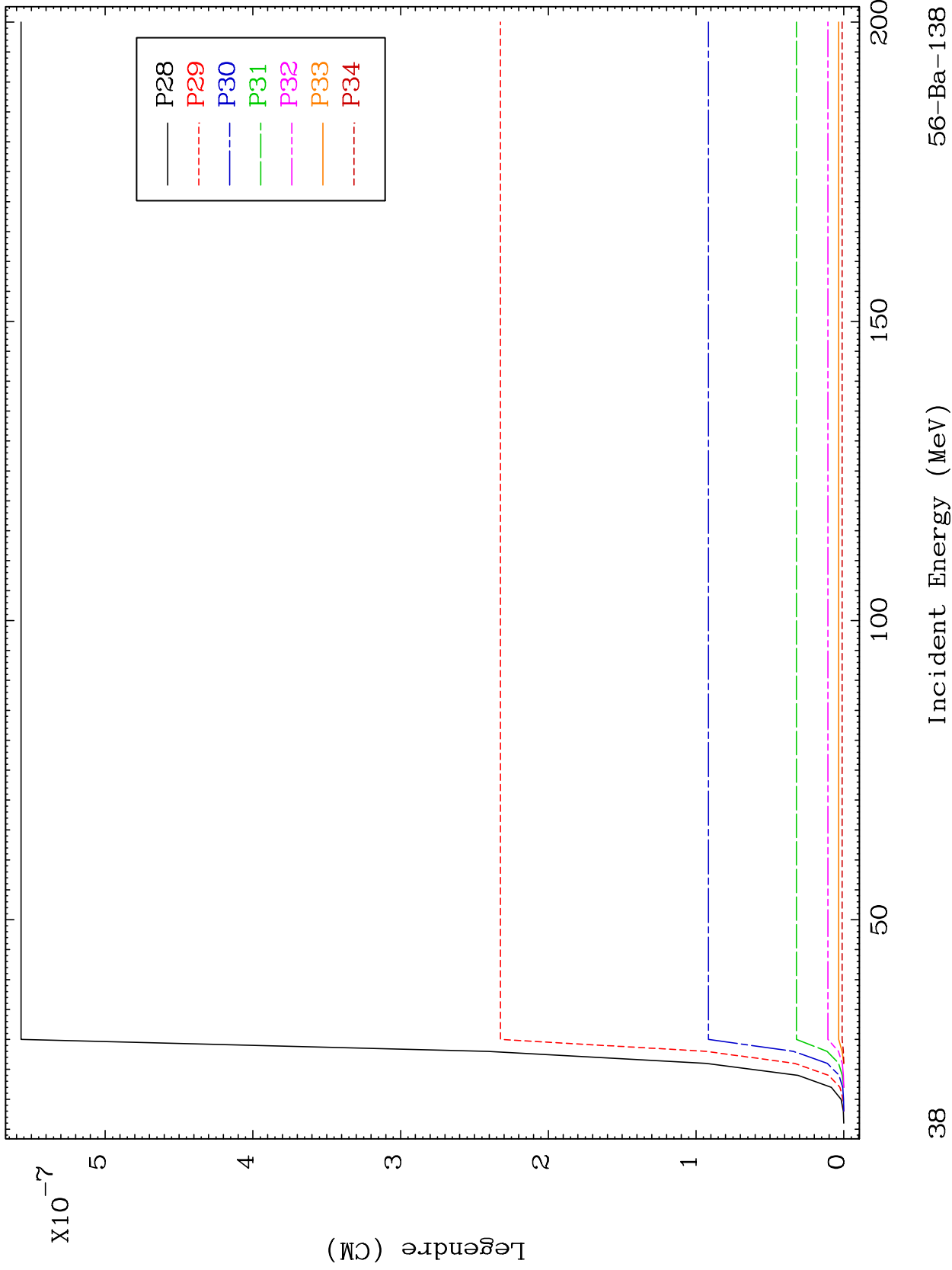




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2.203 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



38

Incident Energy (MeV)

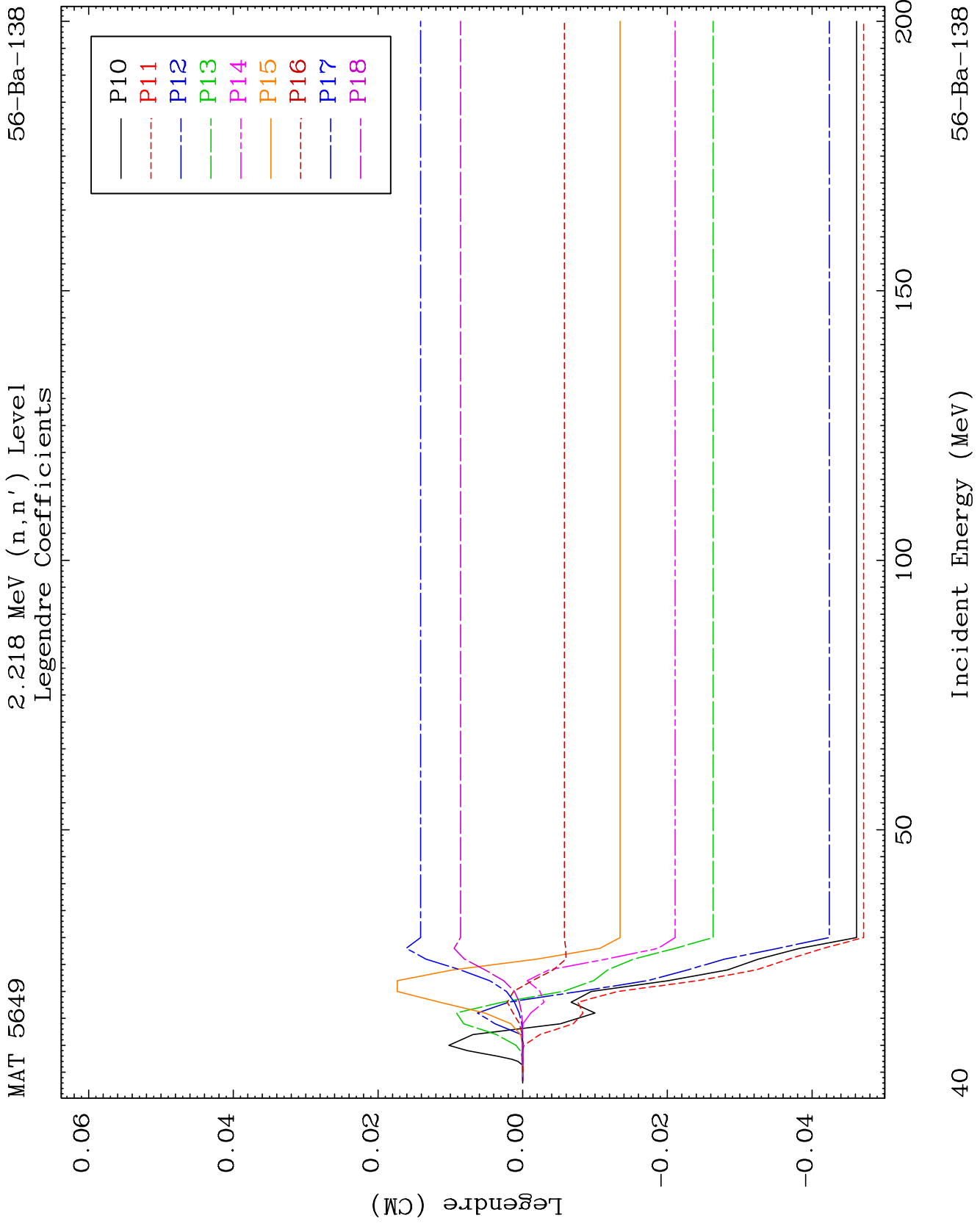
56-Ba-138

200

150

100

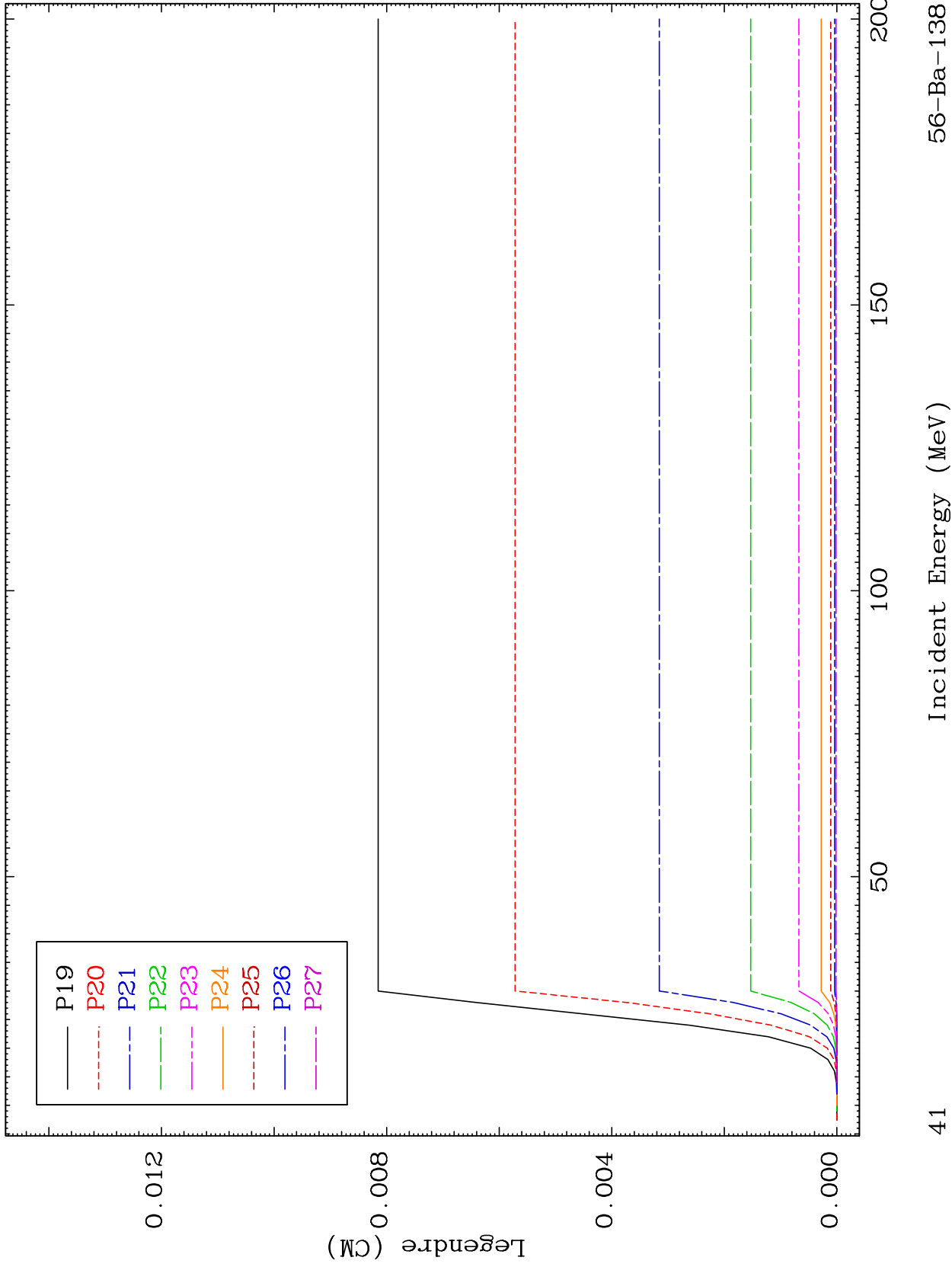
50



MAT 5649

2.218 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



41

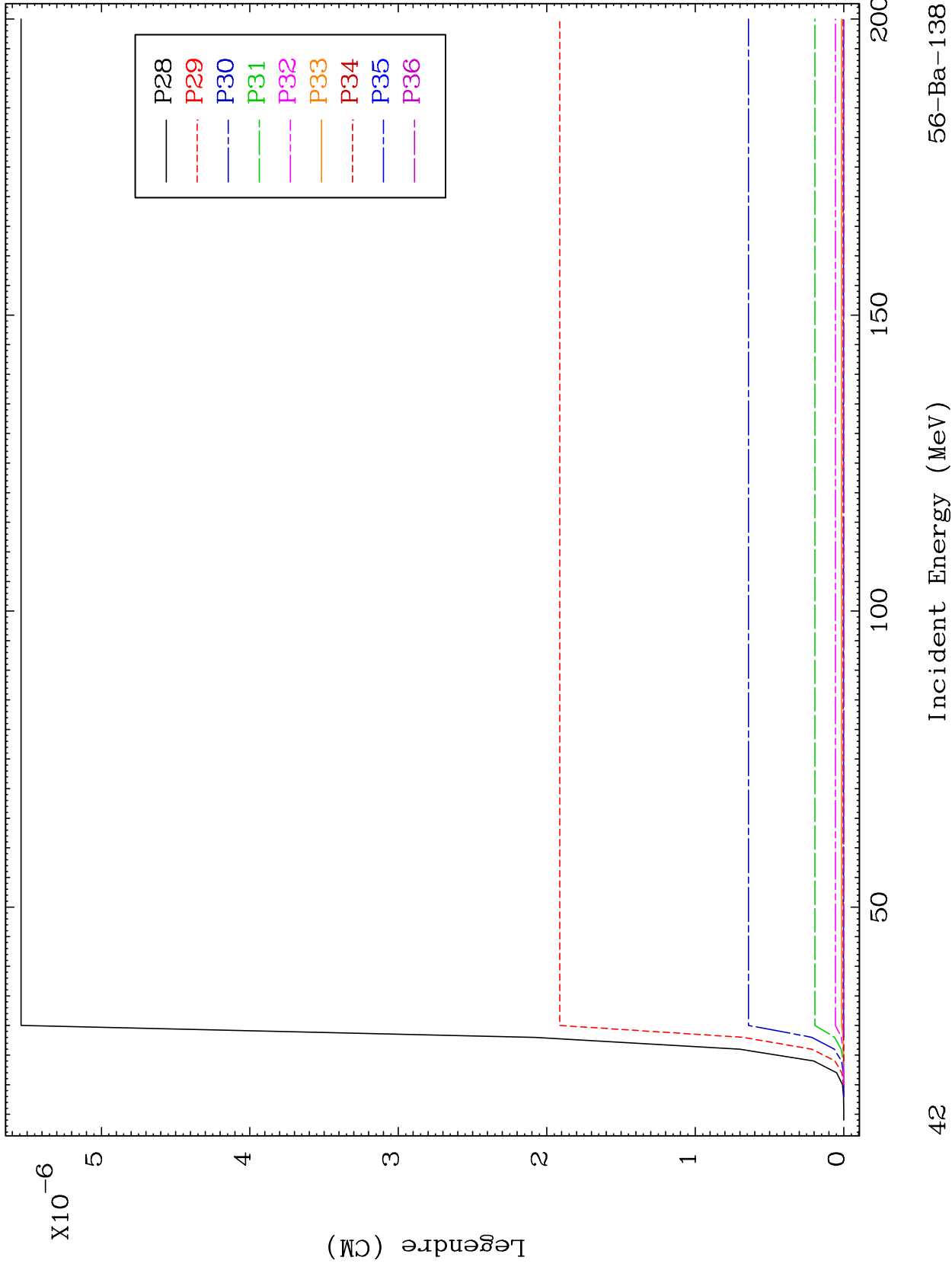
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.218 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



42

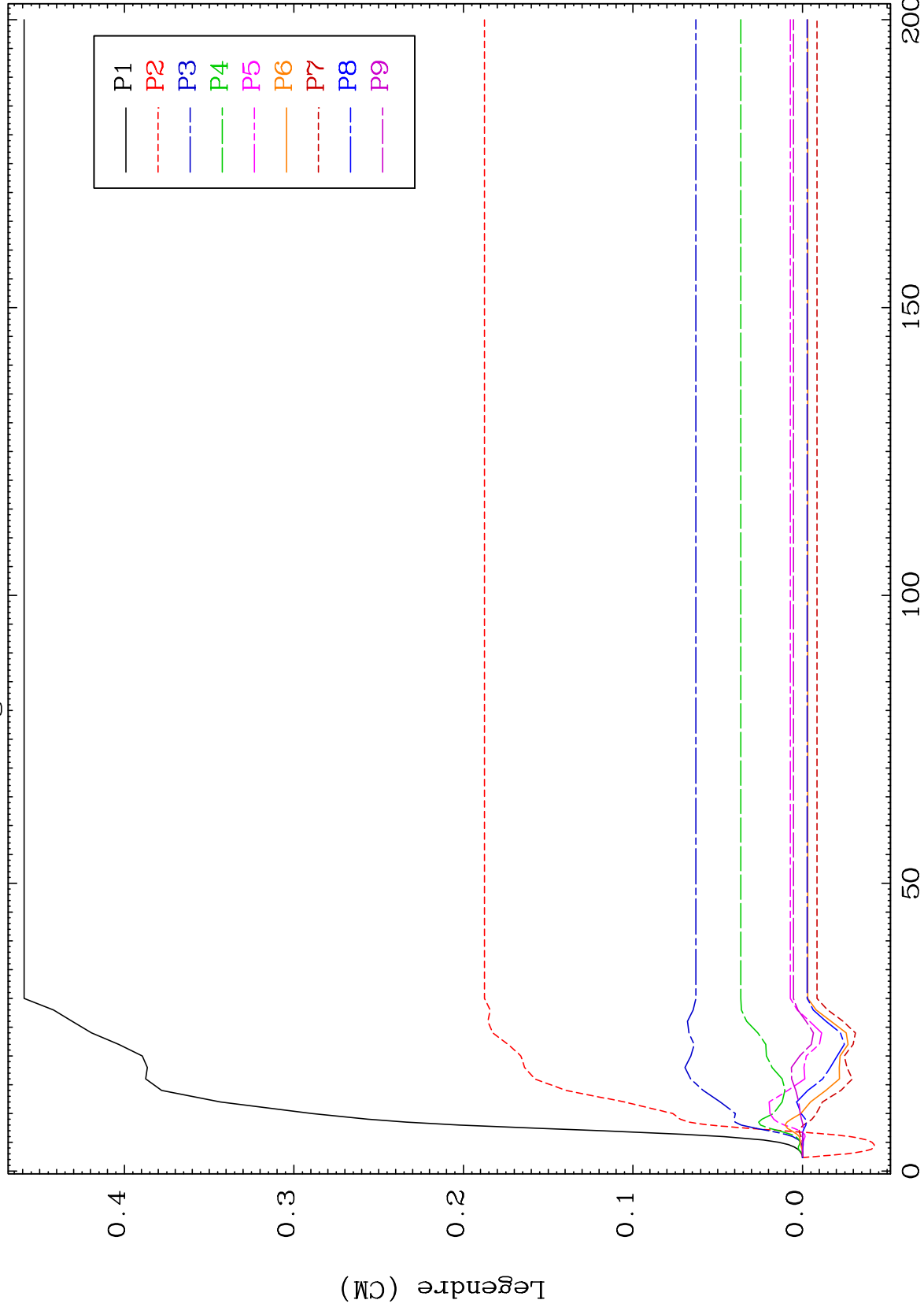
Incident Energy (MeV)

56-Ba-138

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2.308 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



43

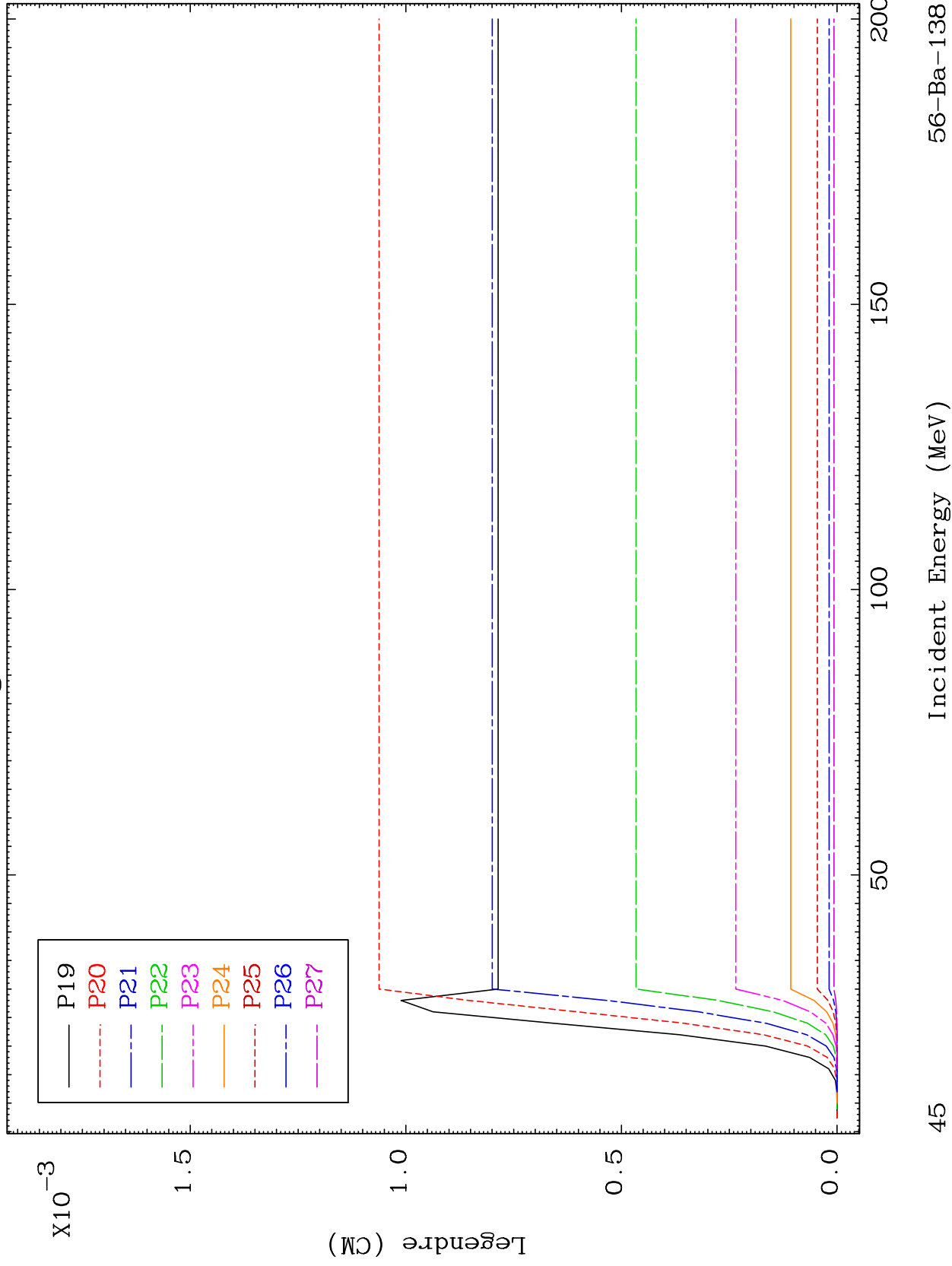
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.308 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



45

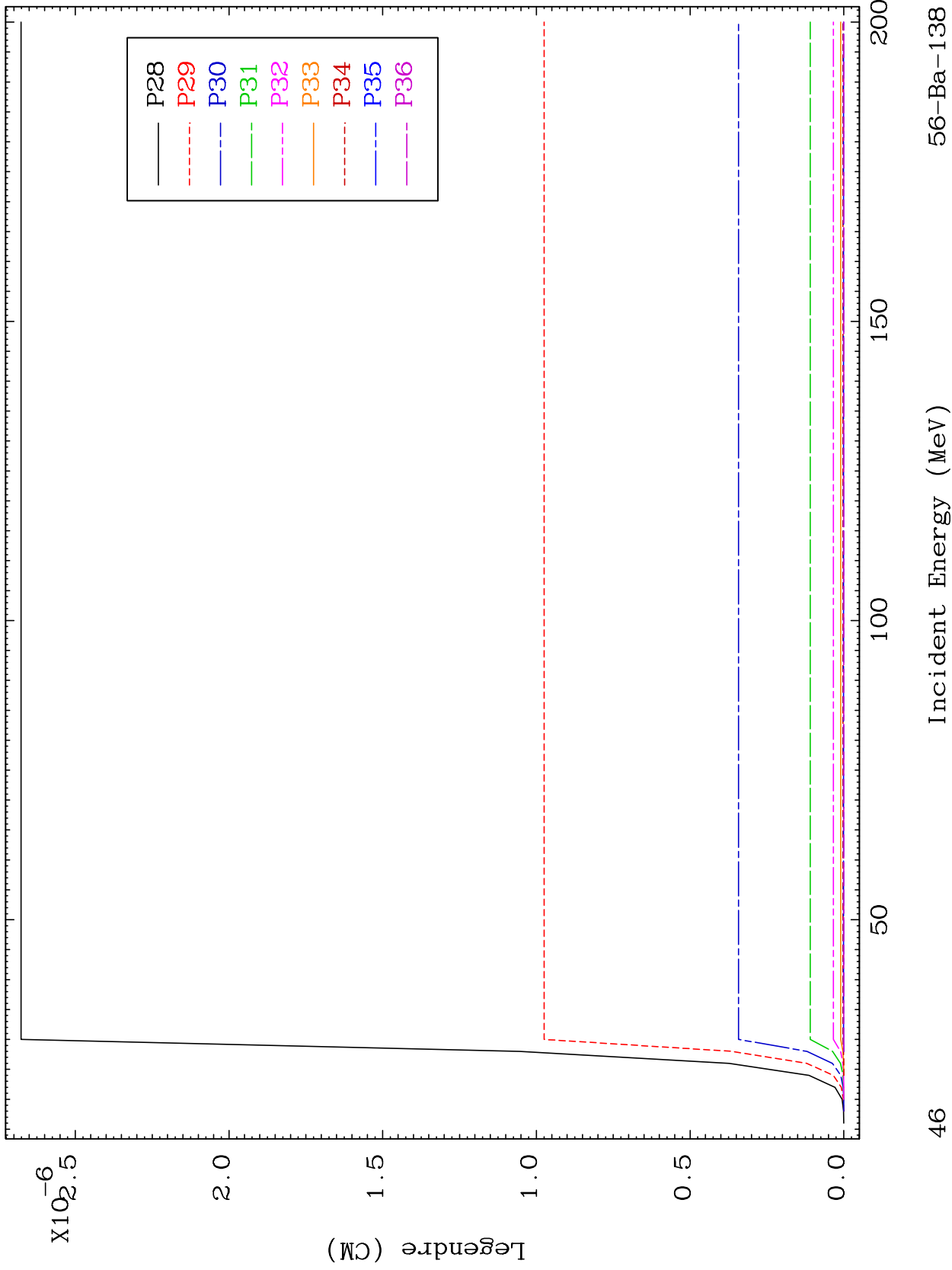
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.308 MeV (n, n') Level
Legendre Coefficients

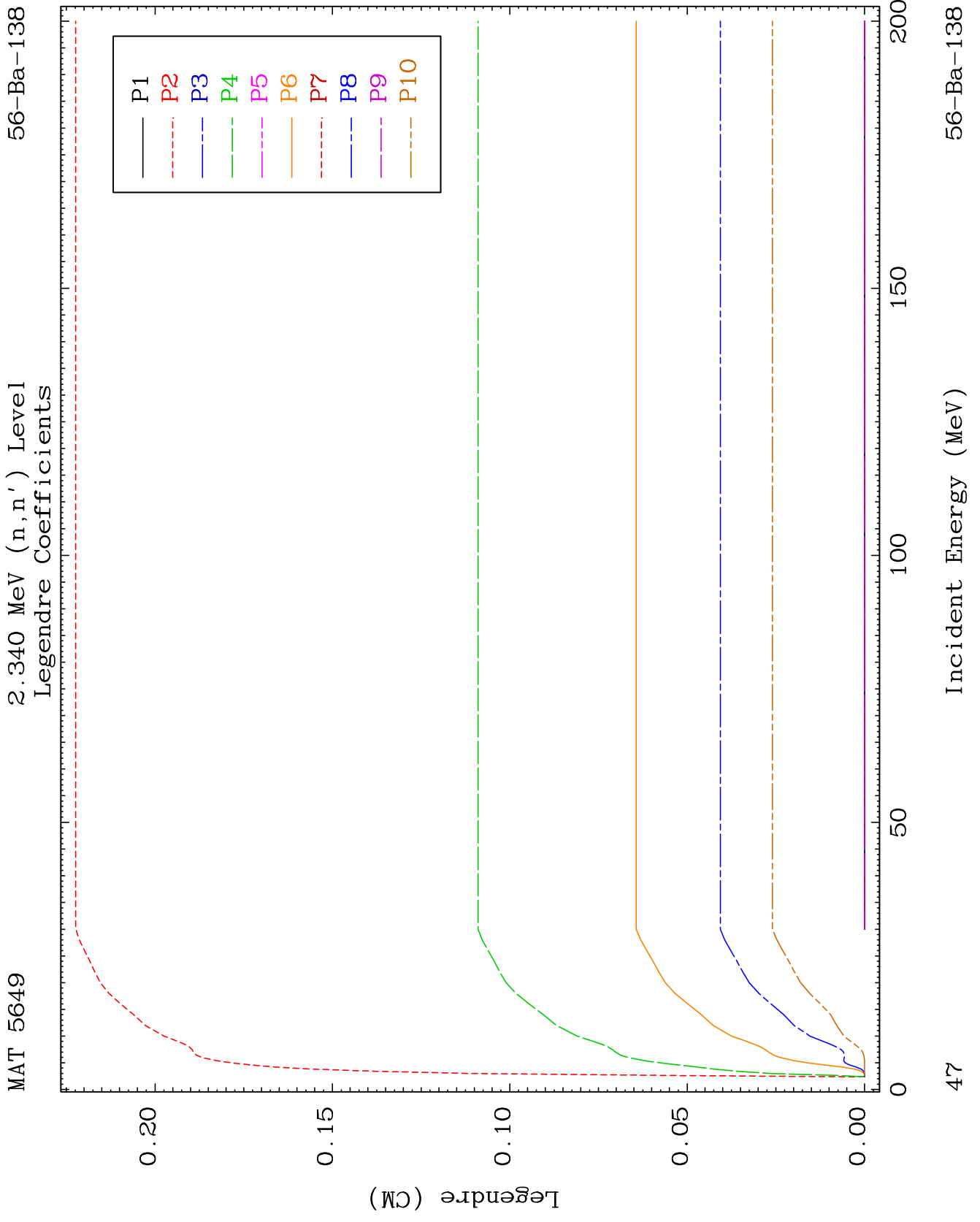
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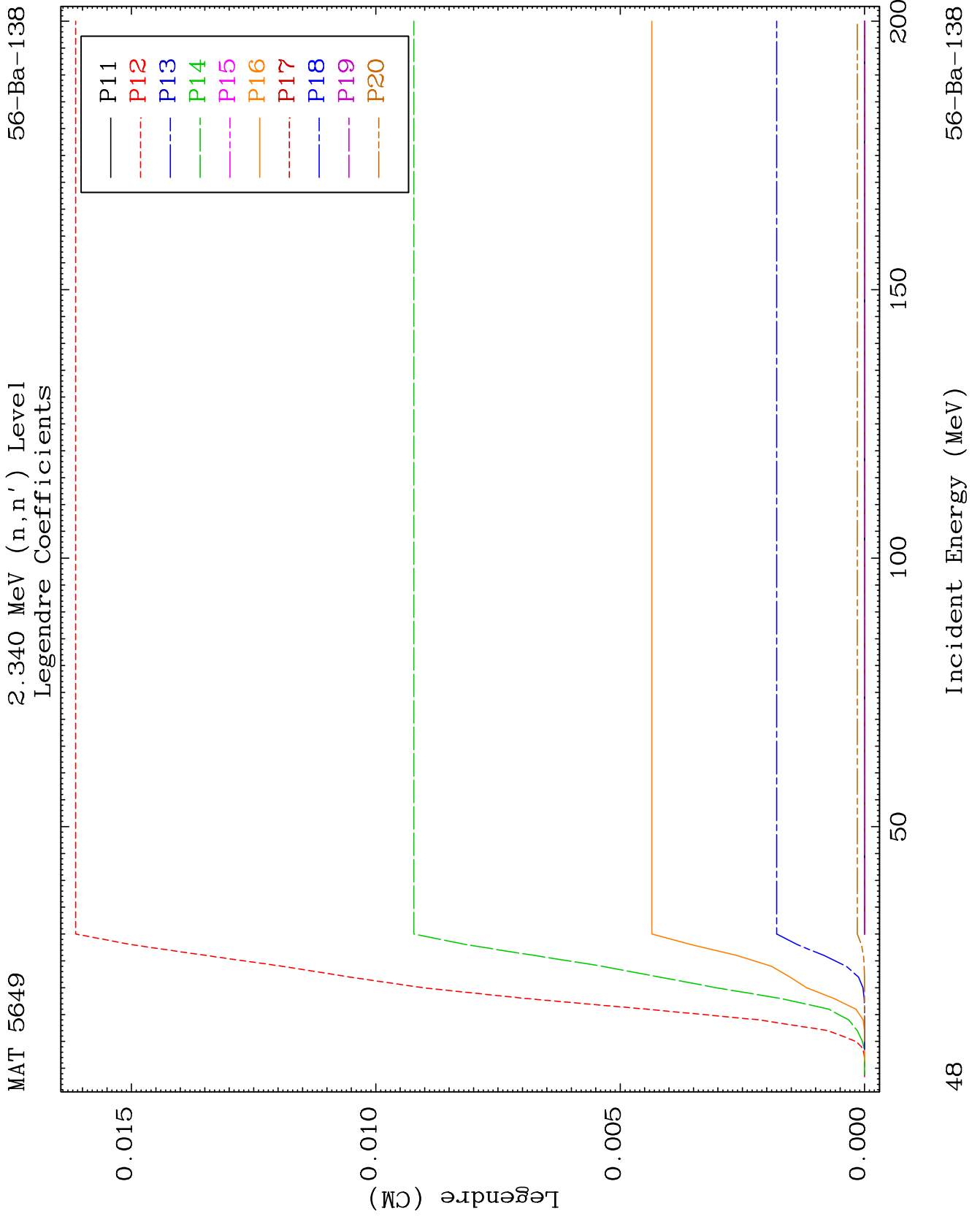


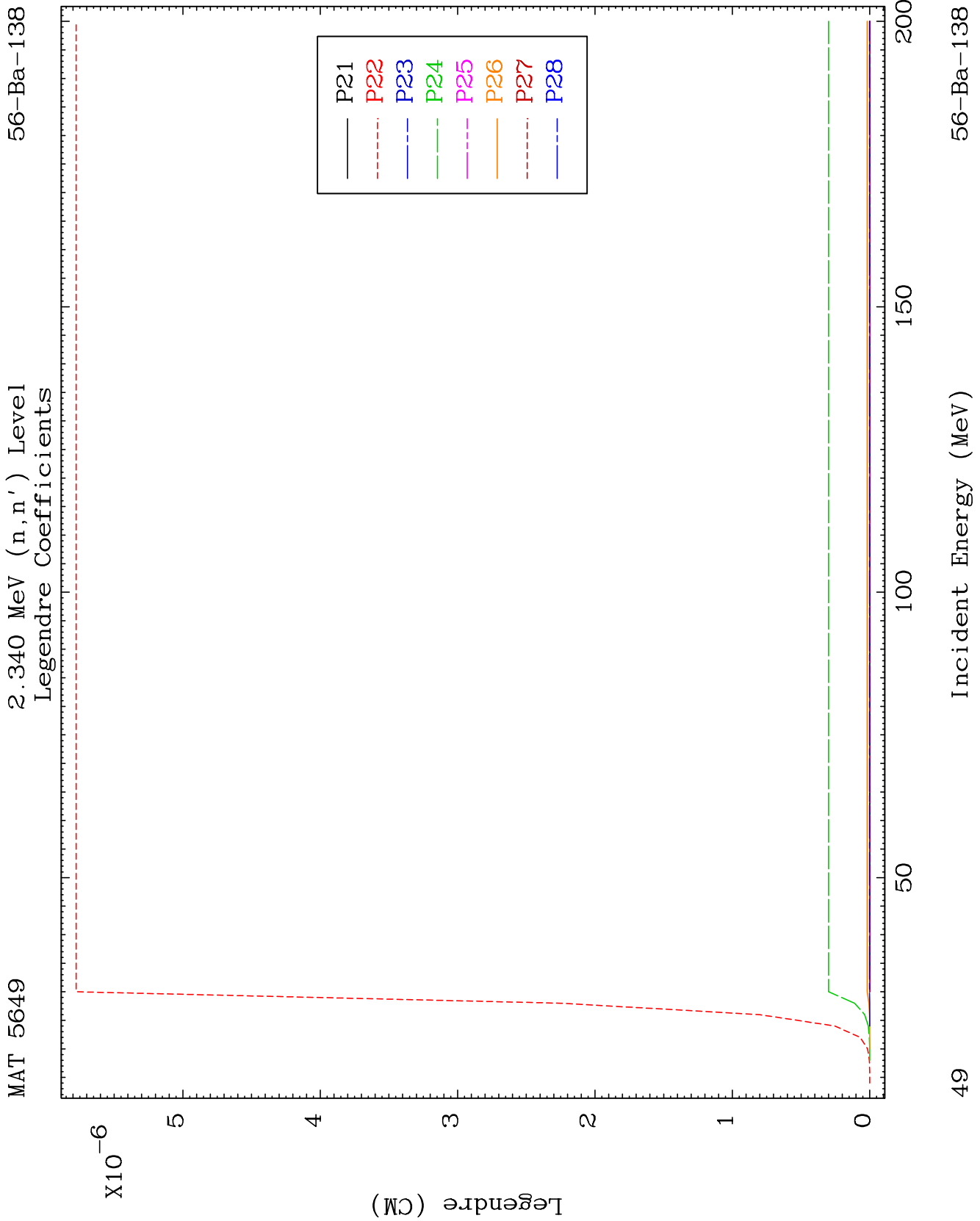
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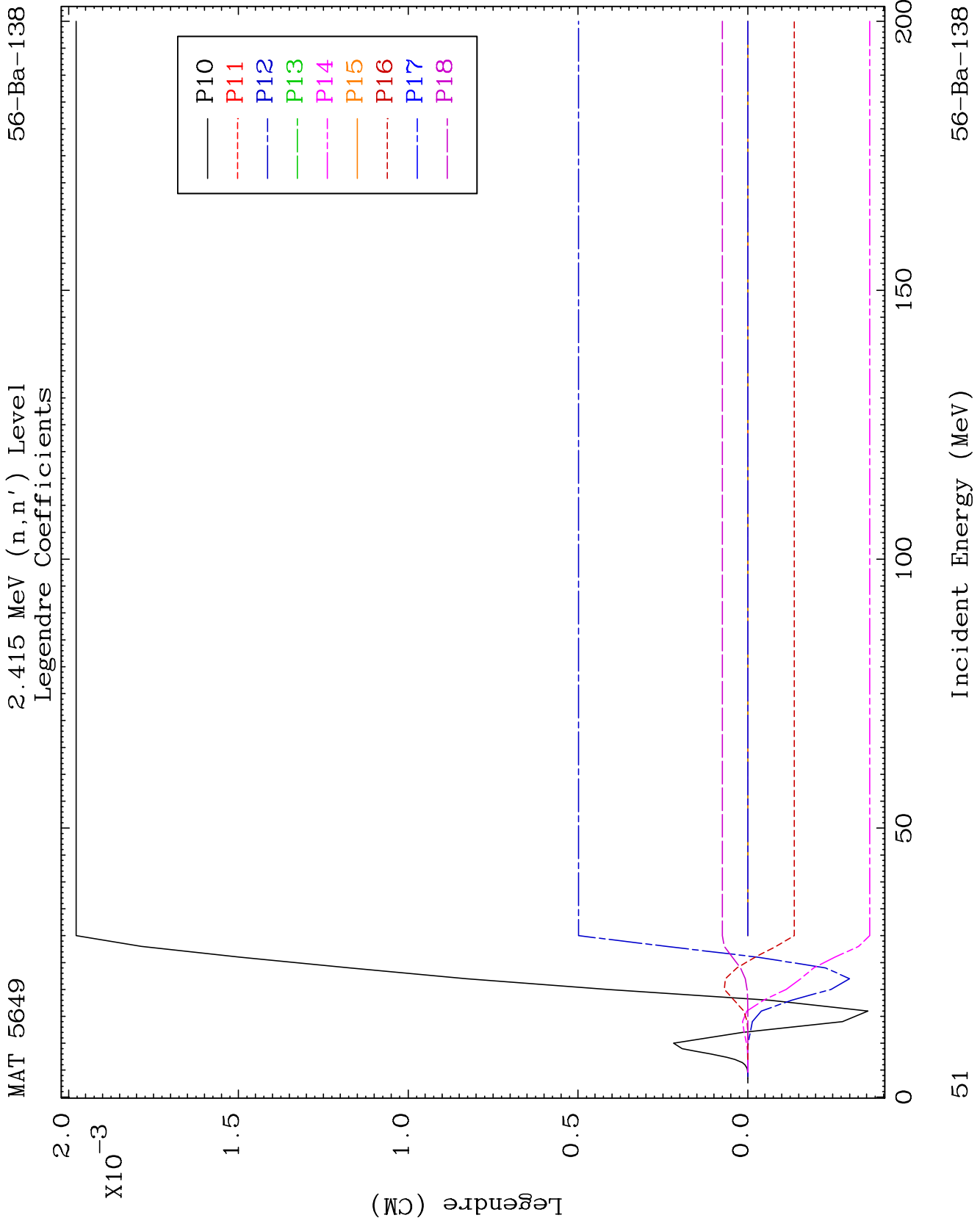
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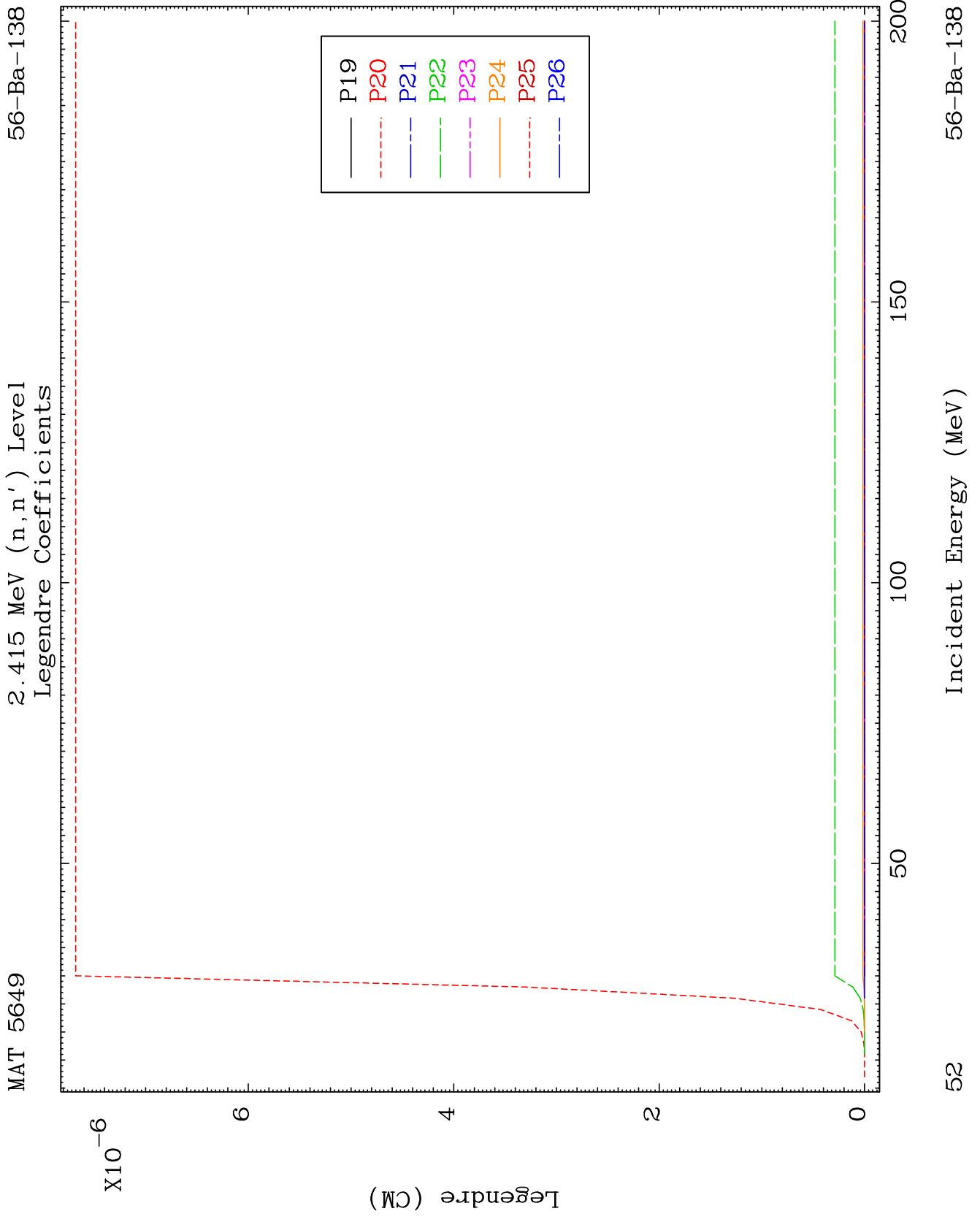
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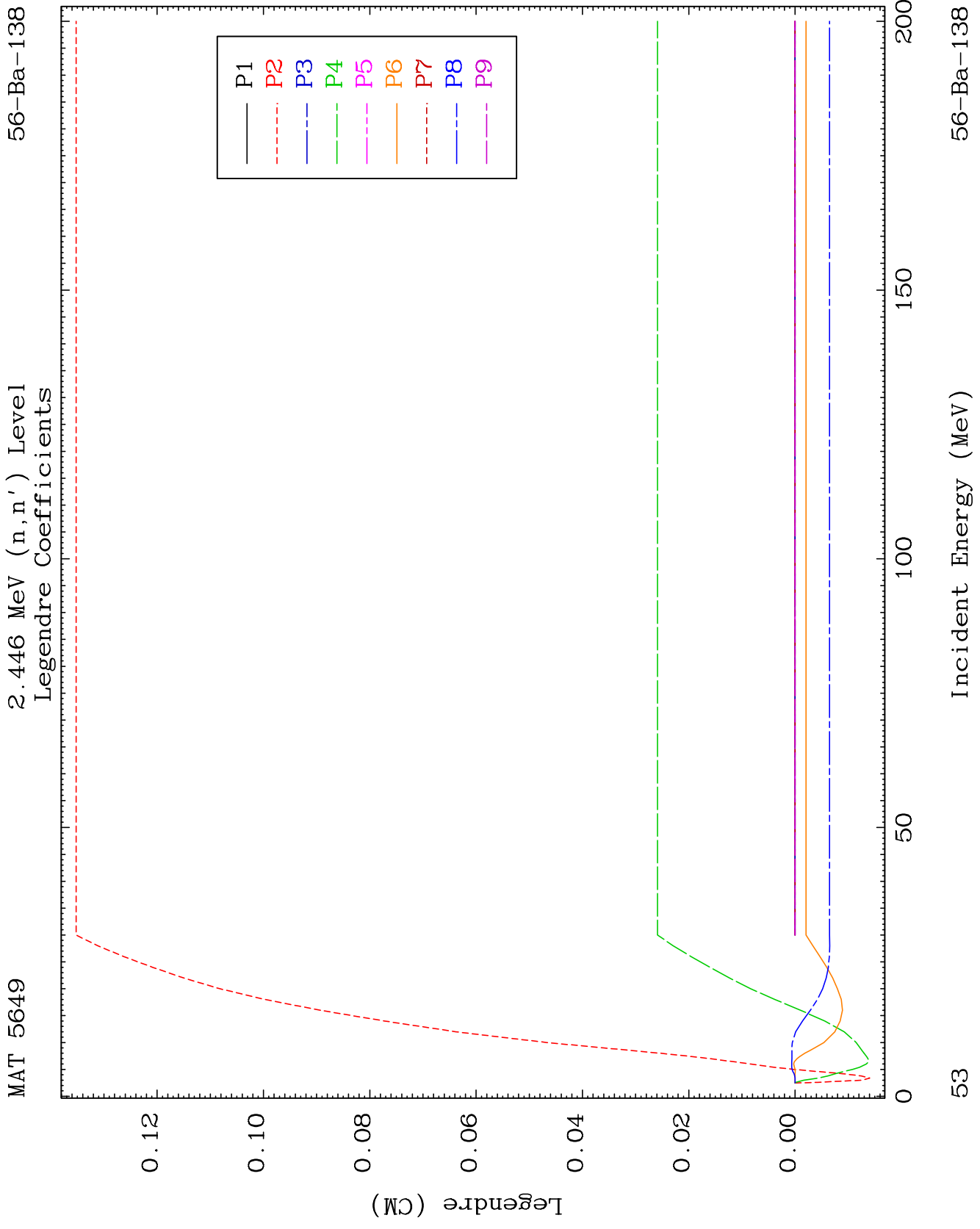








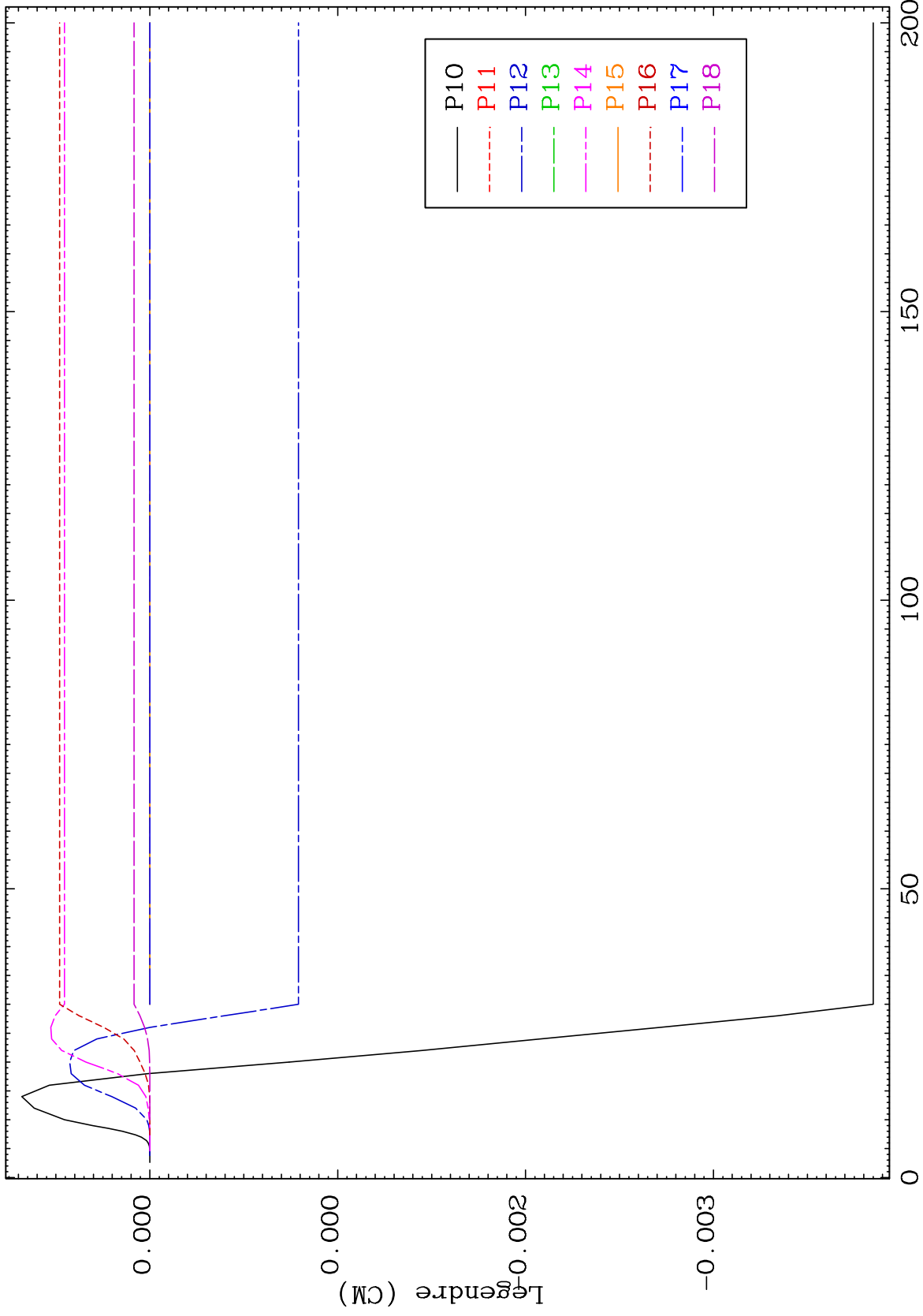




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2.446 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



54

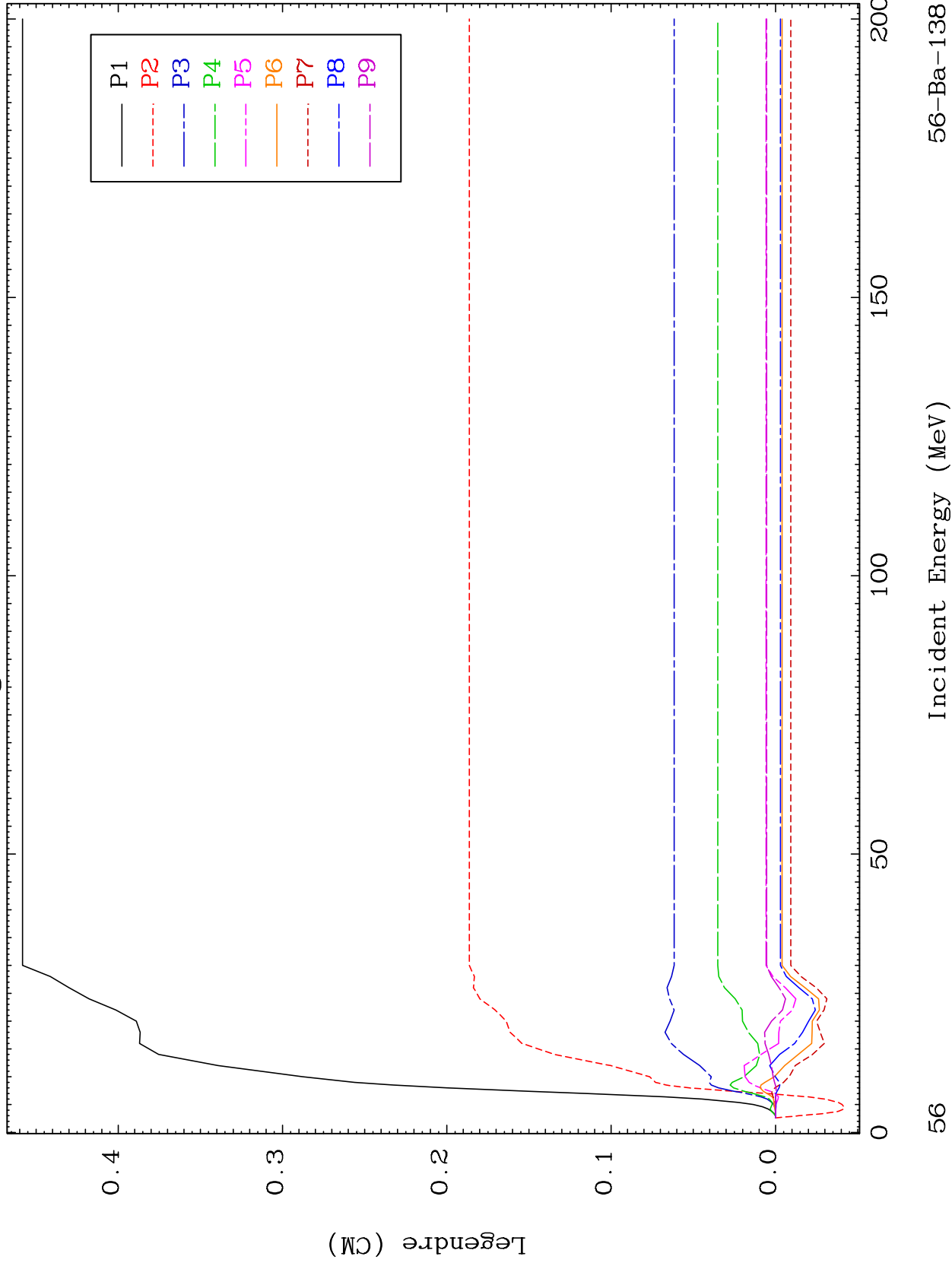
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.583 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



56-Ba-138

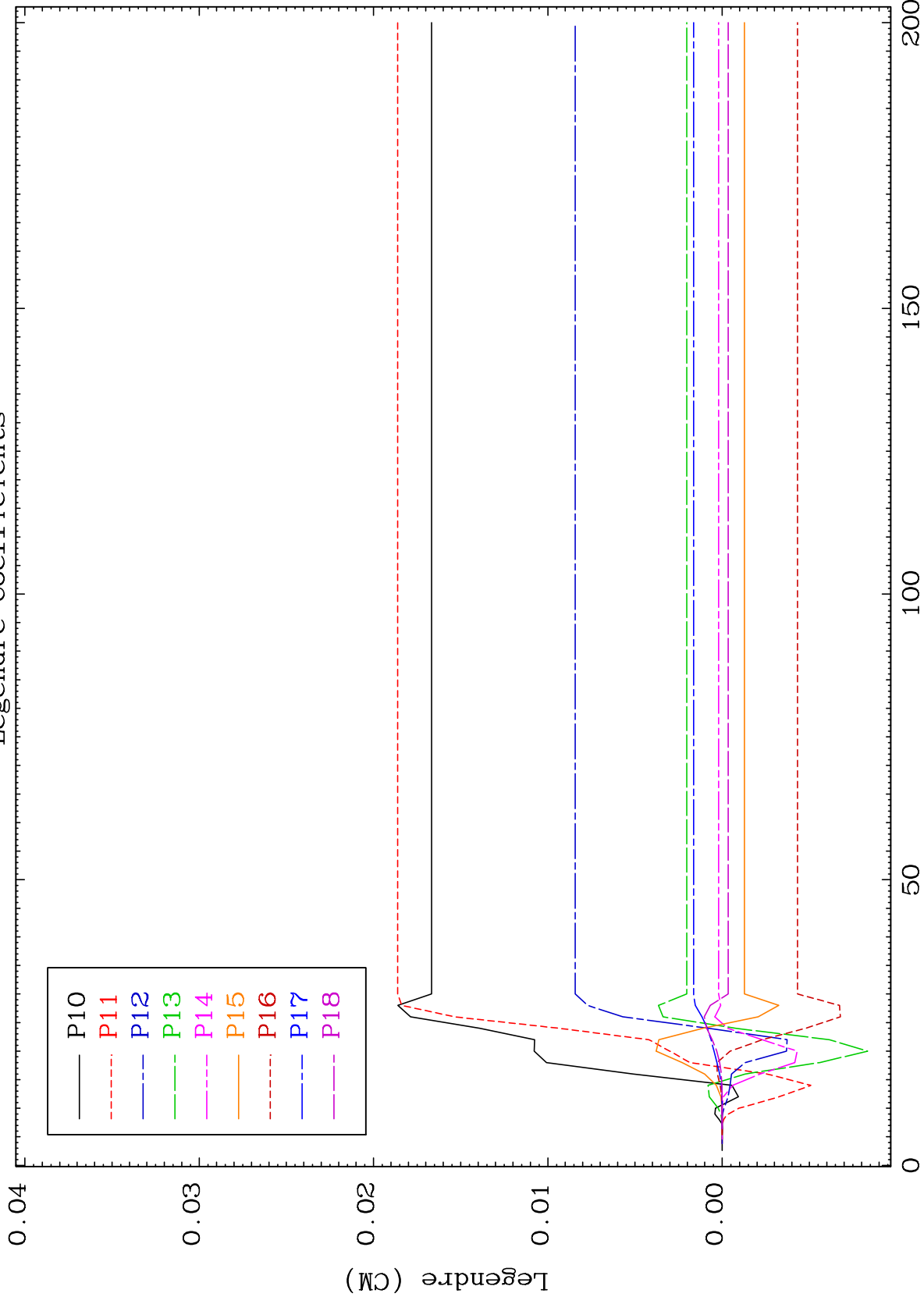
Incident Energy (MeV)

56

MAT 5649

2.583 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



57

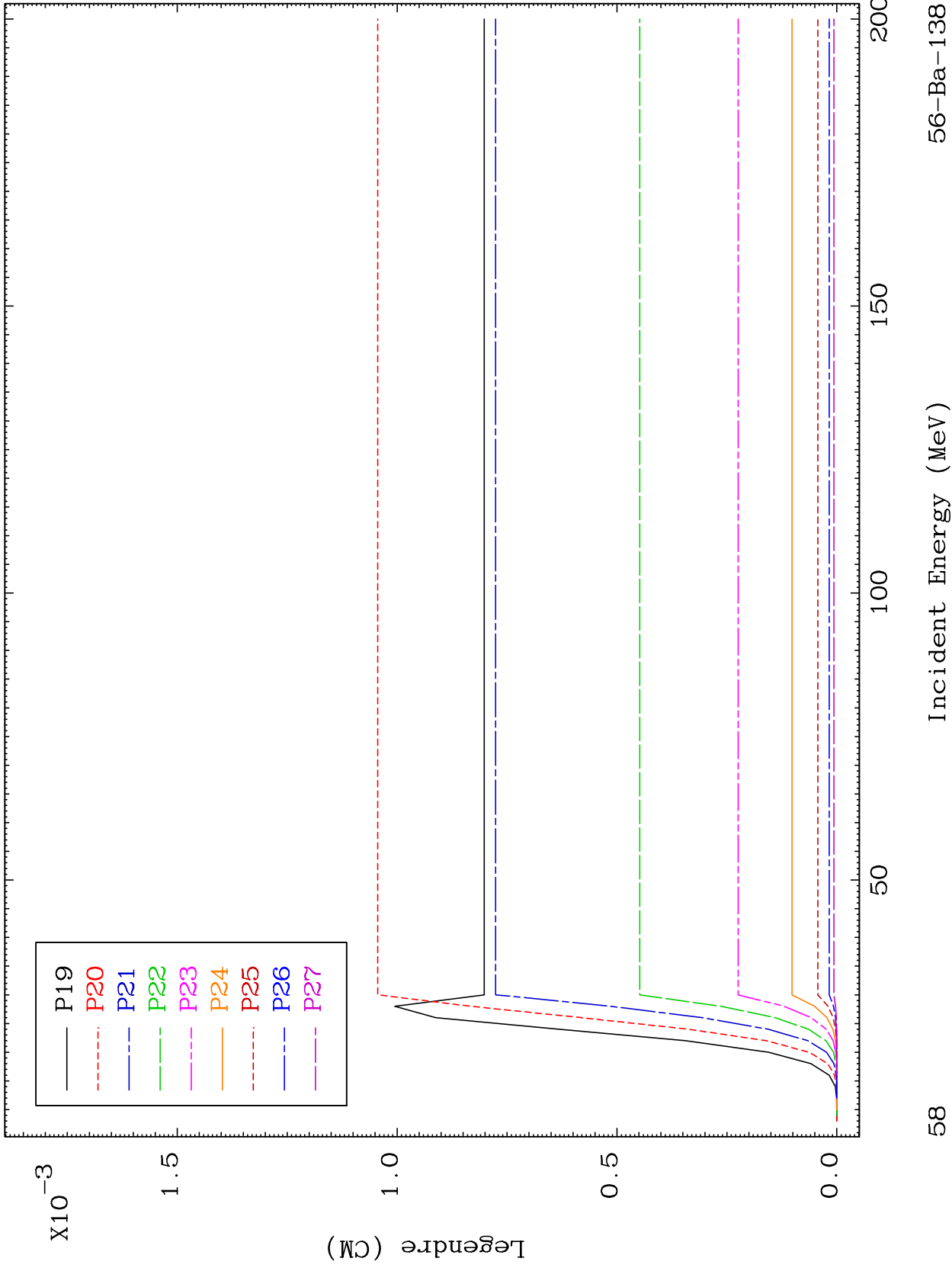
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.583 MeV (n, n') Level
Legendre Coefficients

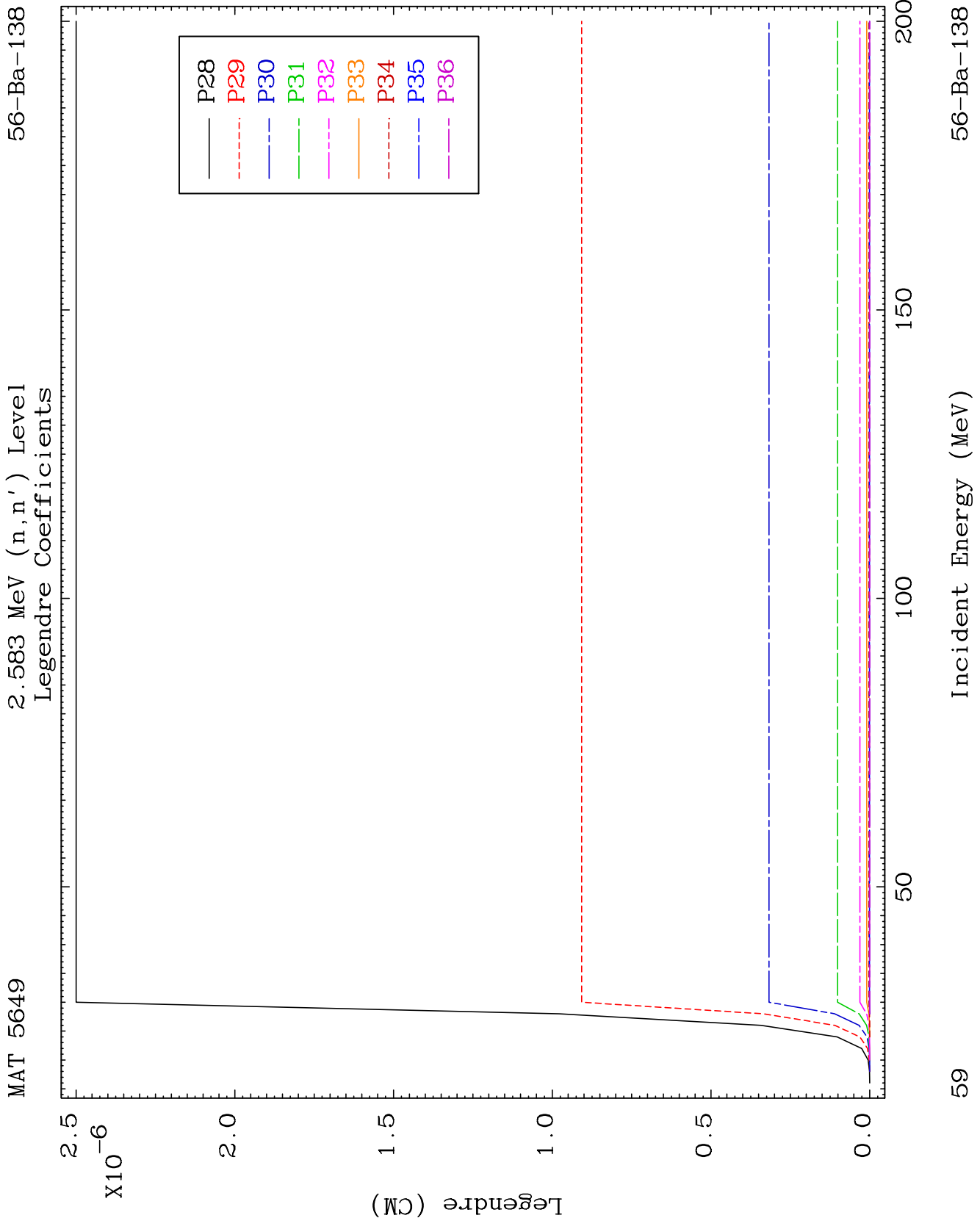
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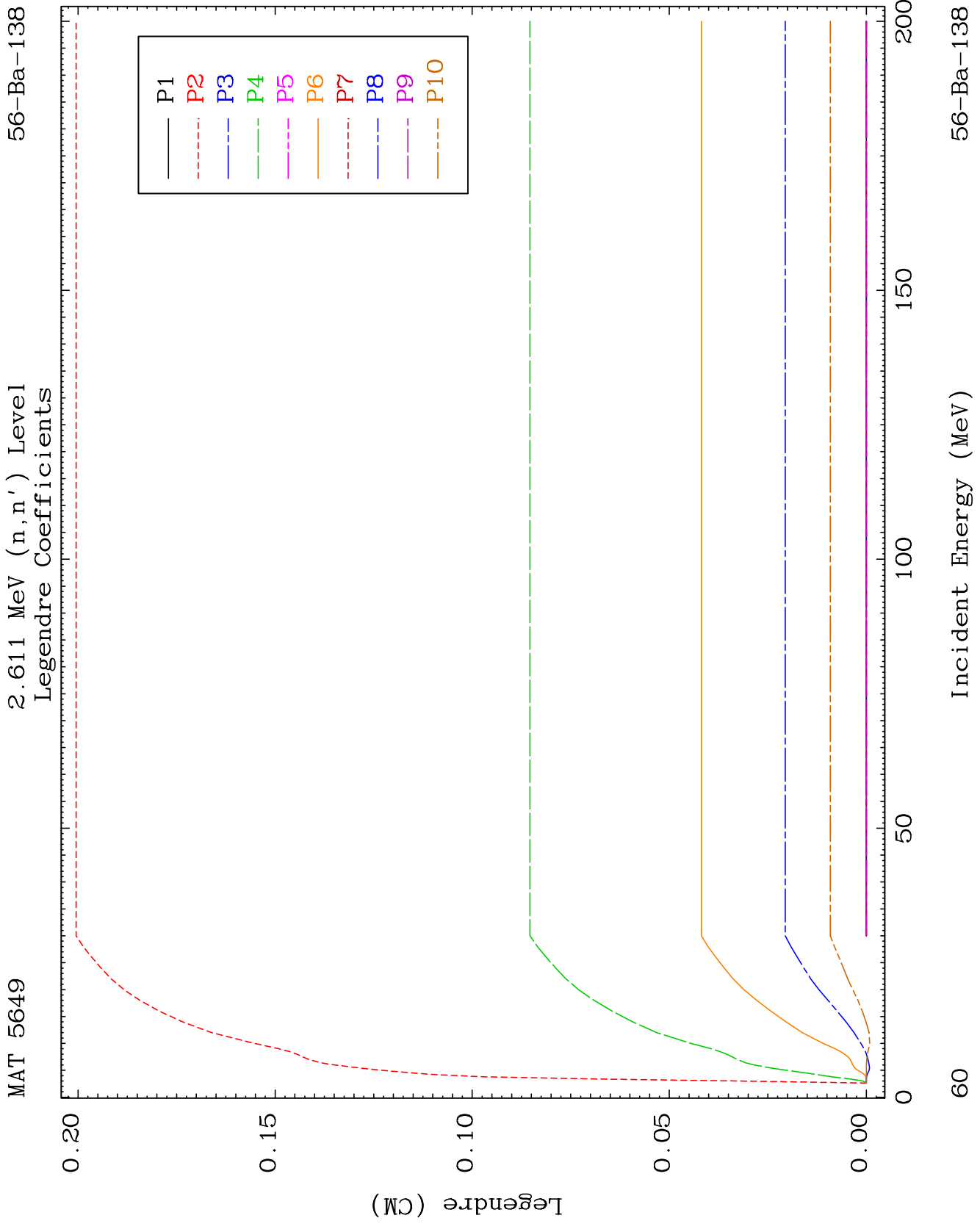


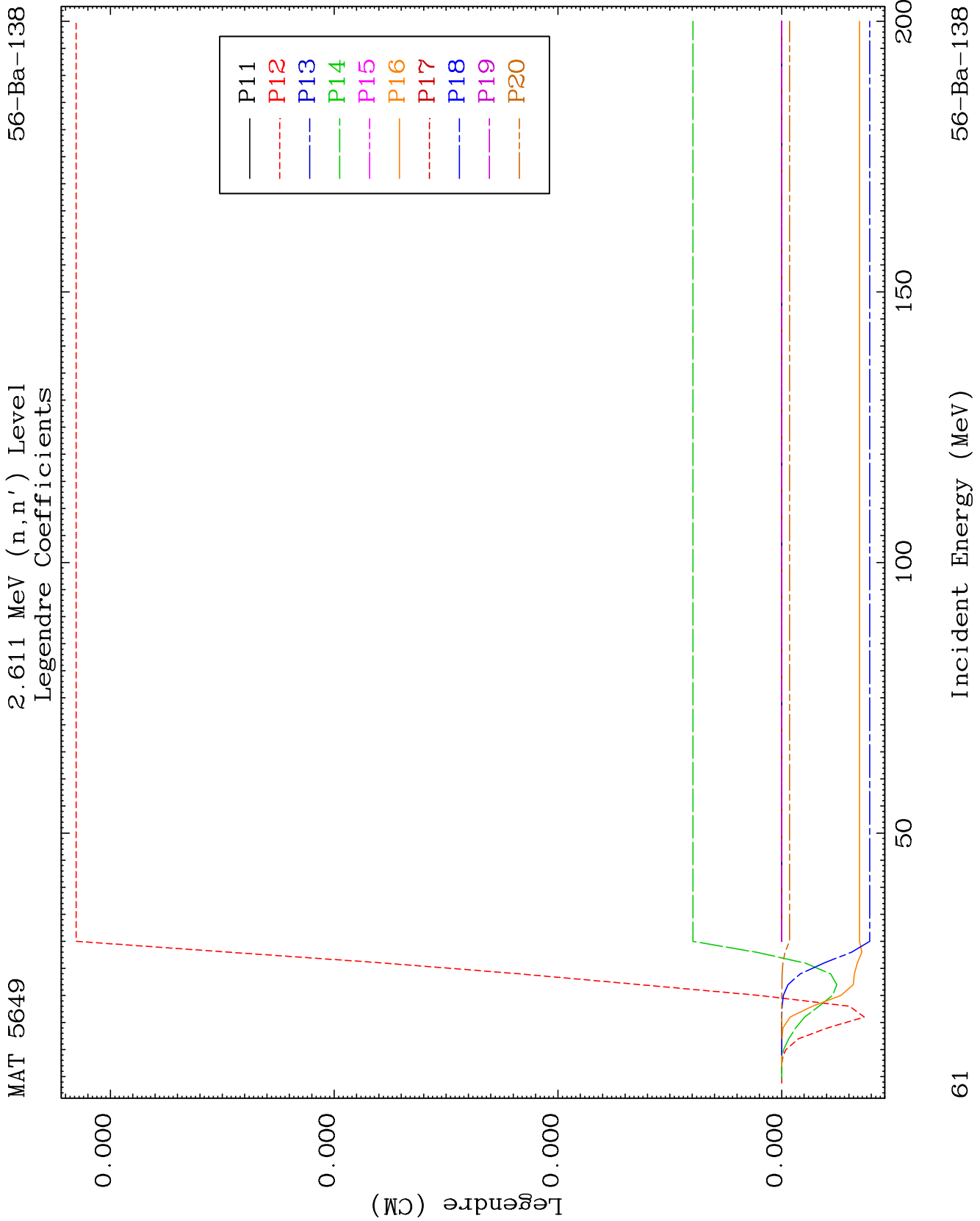
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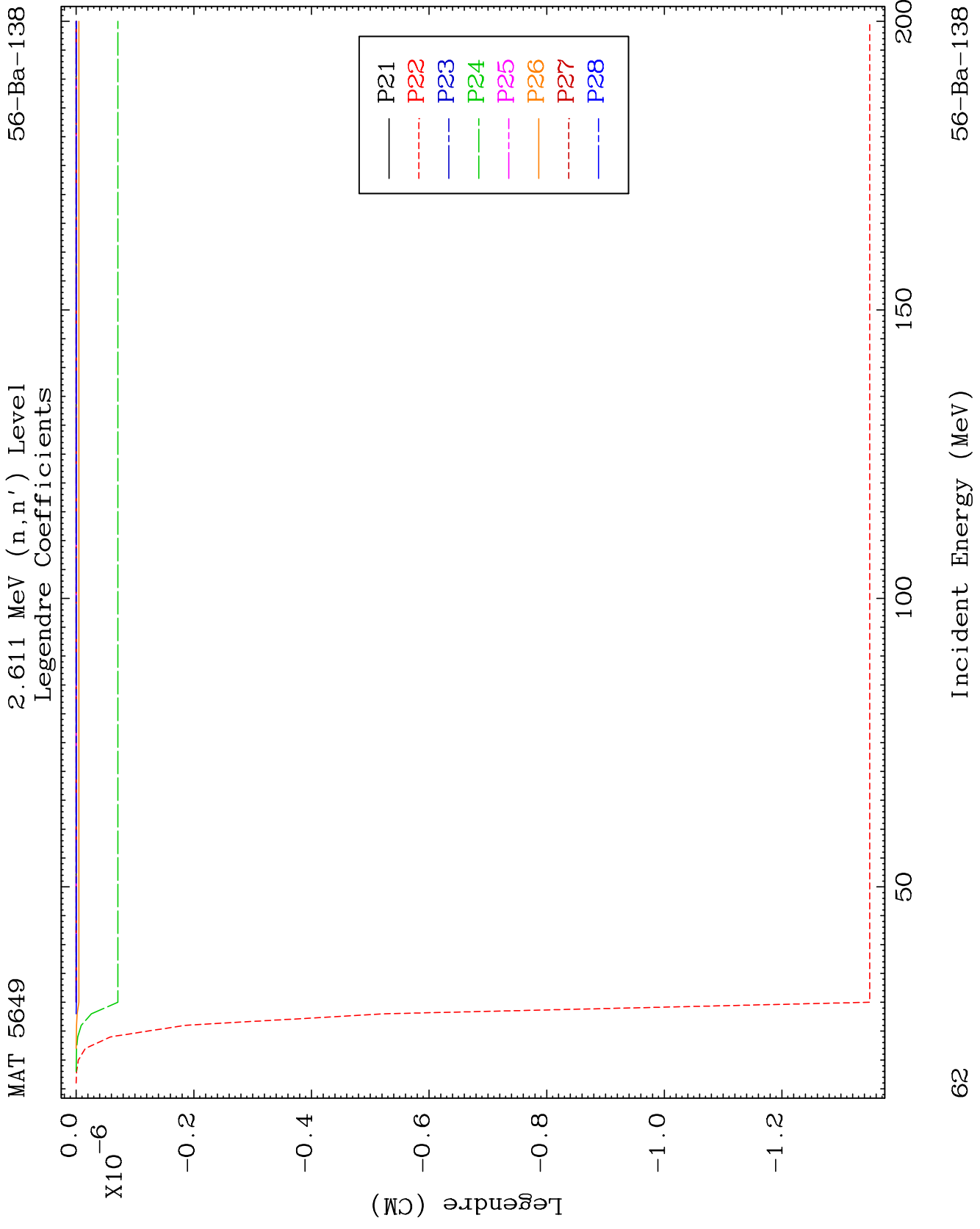
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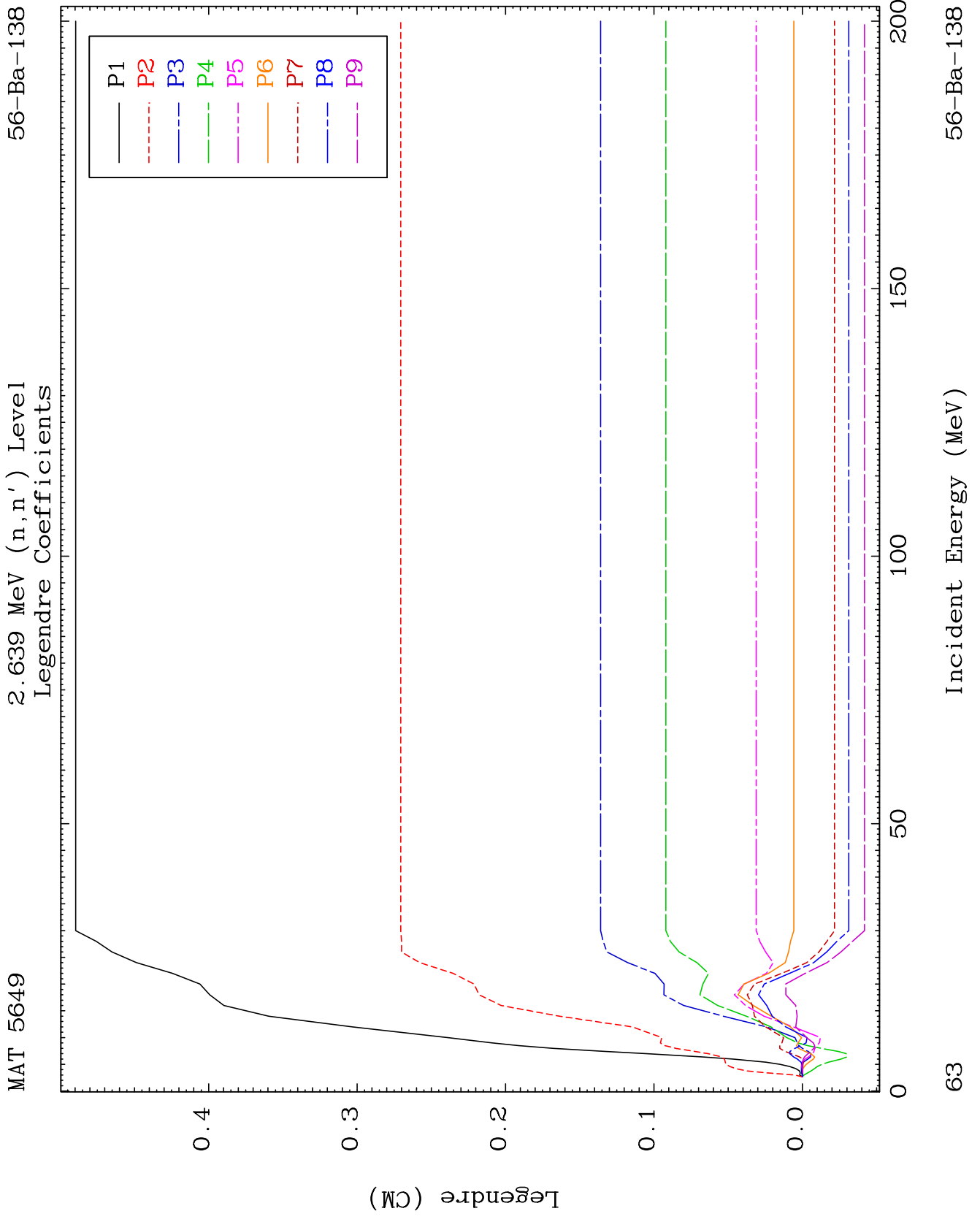
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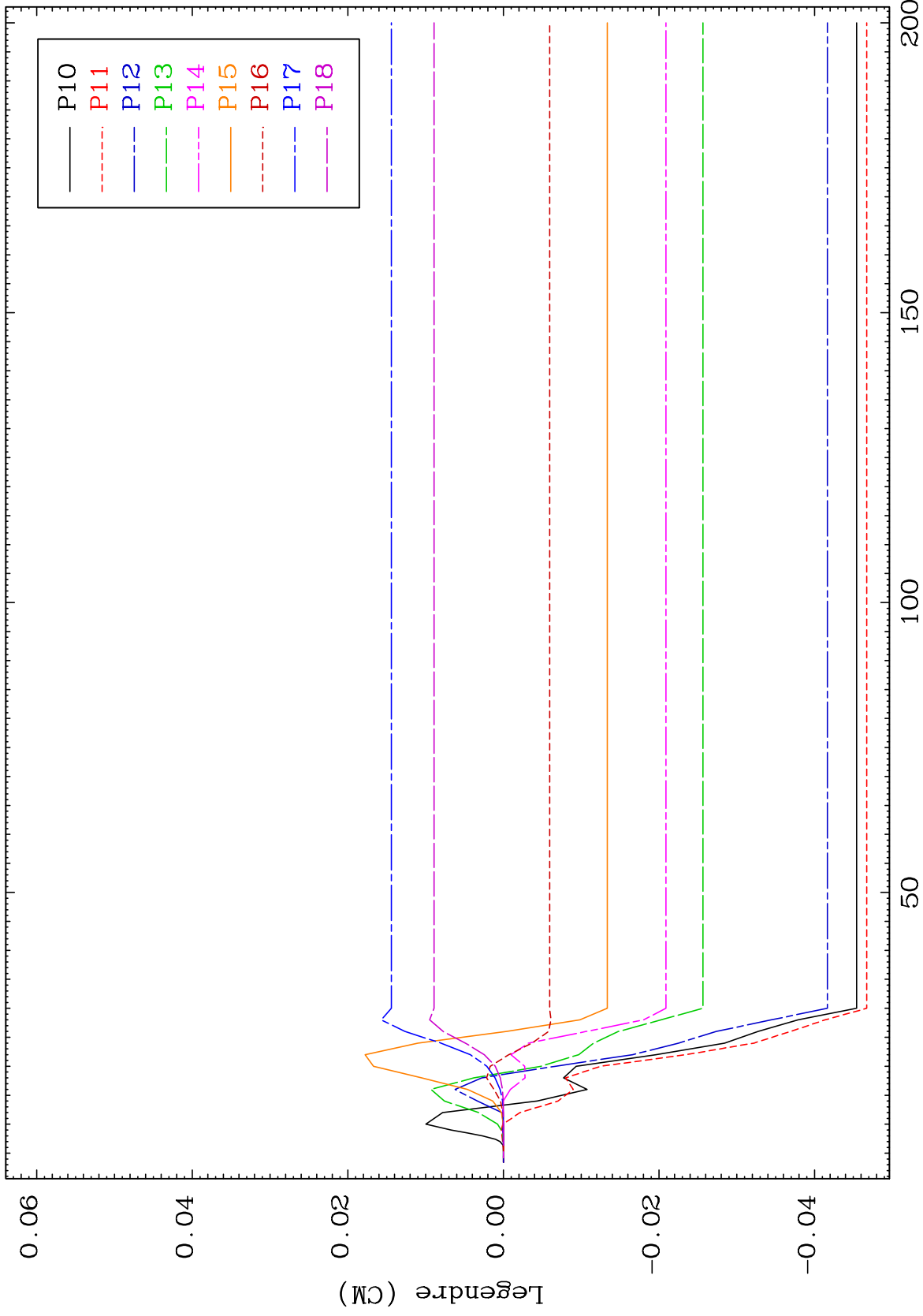




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2.639 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



64

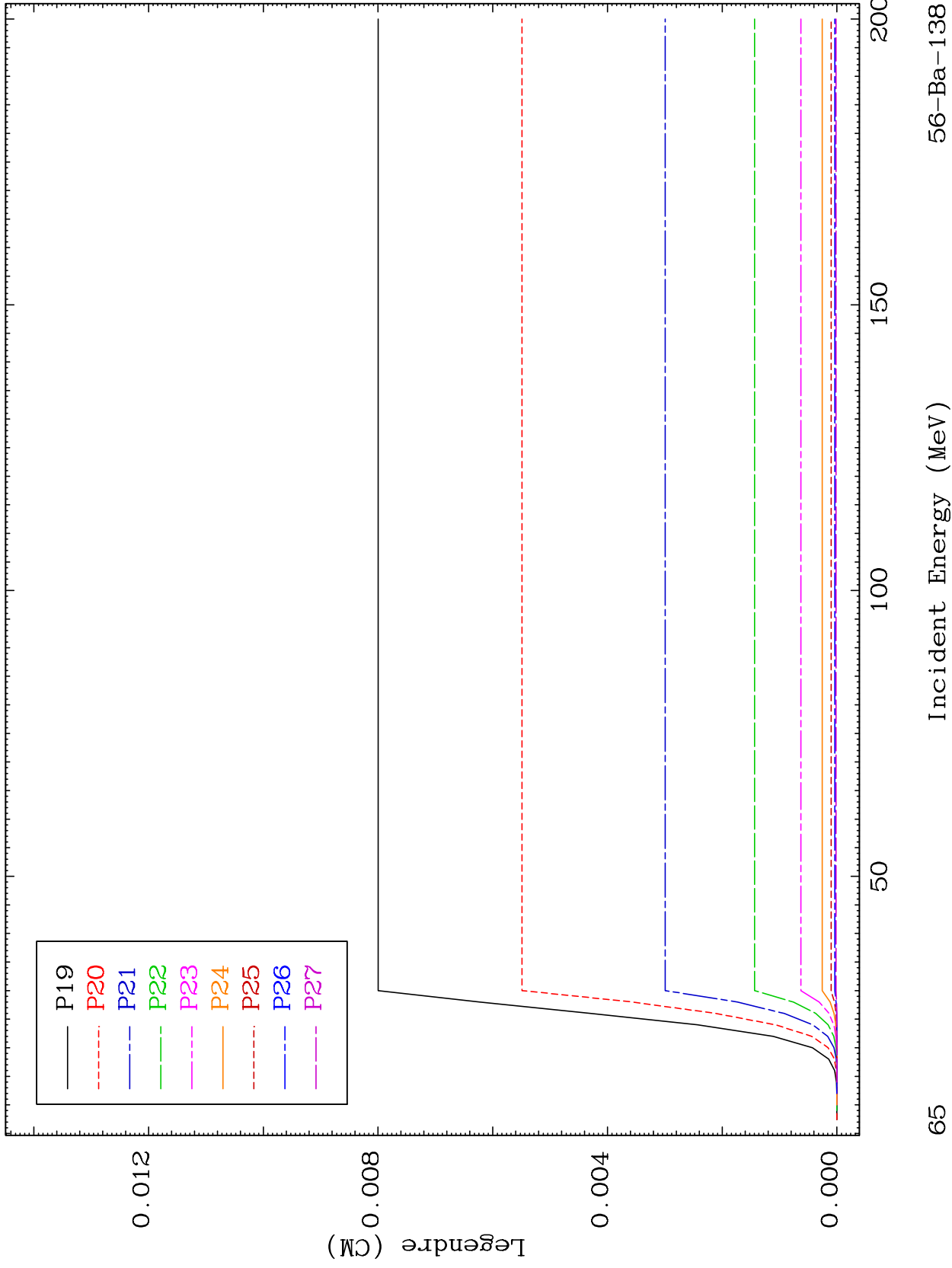
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.639 MeV (n,n') Level
Legendre Coefficients

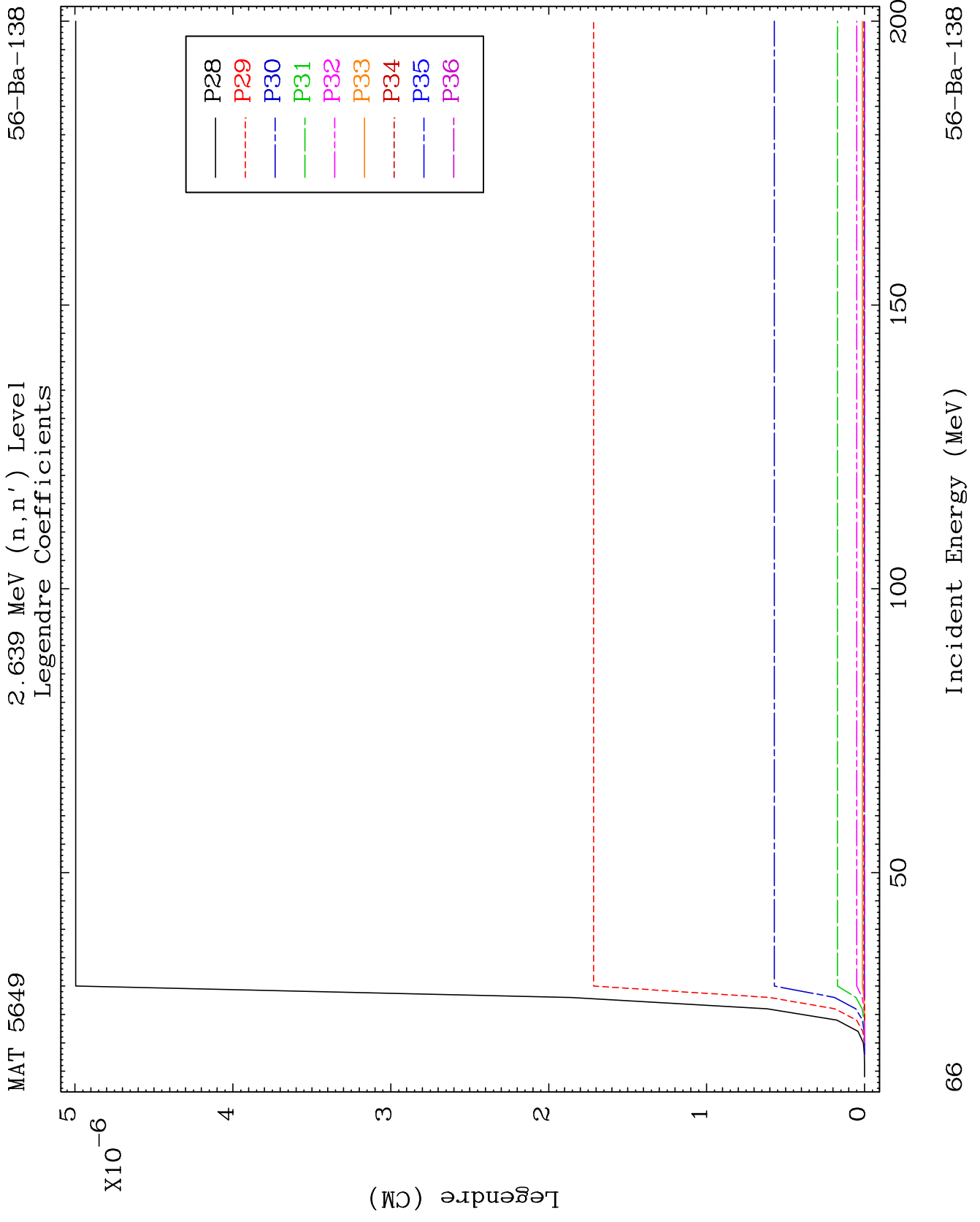
56-Ba-138



65

Incident Energy (MeV)

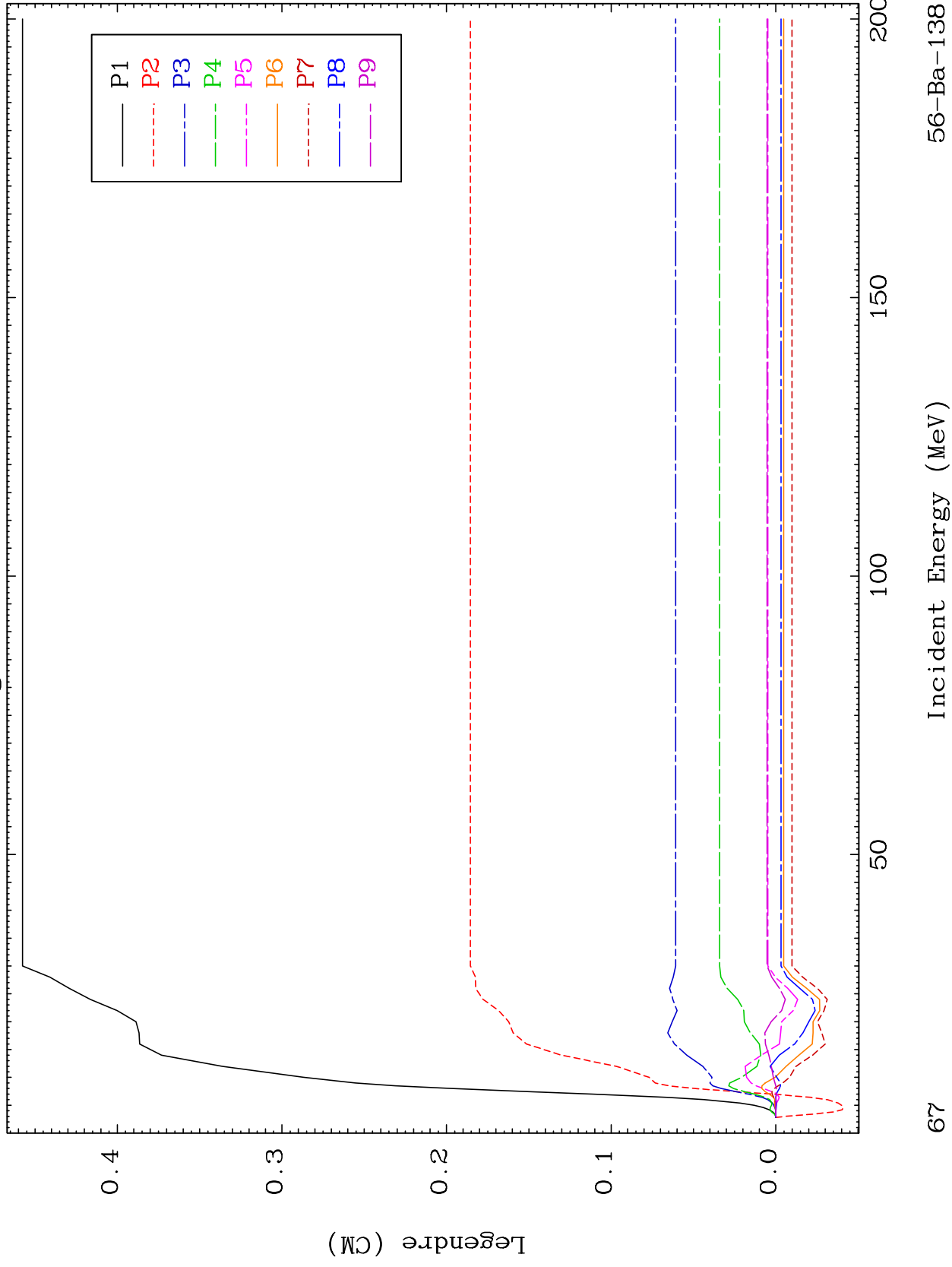
56-Ba-138



MAT 5649

2.779 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



56-Ba-138

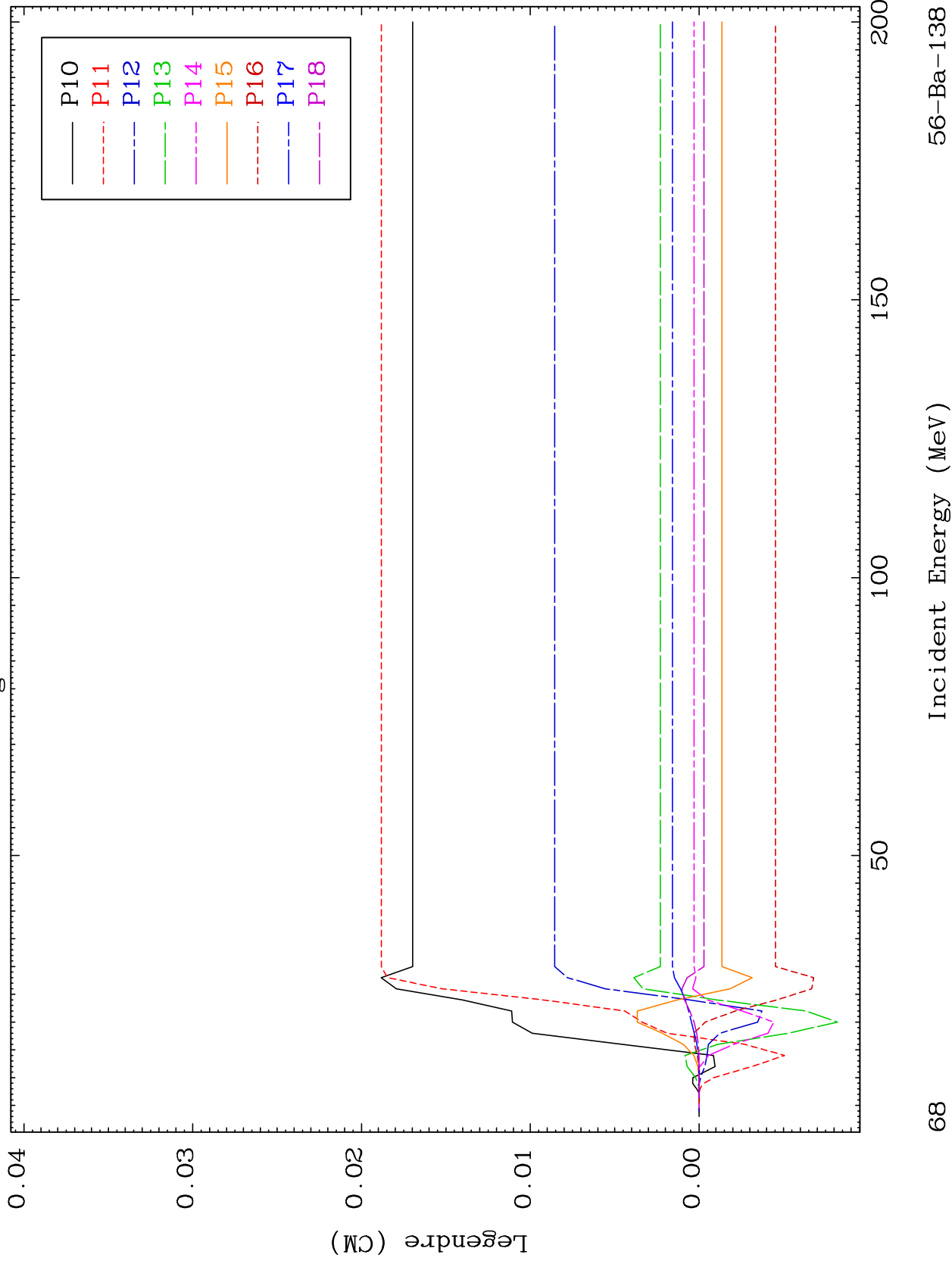
Incident Energy (MeV)

67

MAT 5649

2.779 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



68

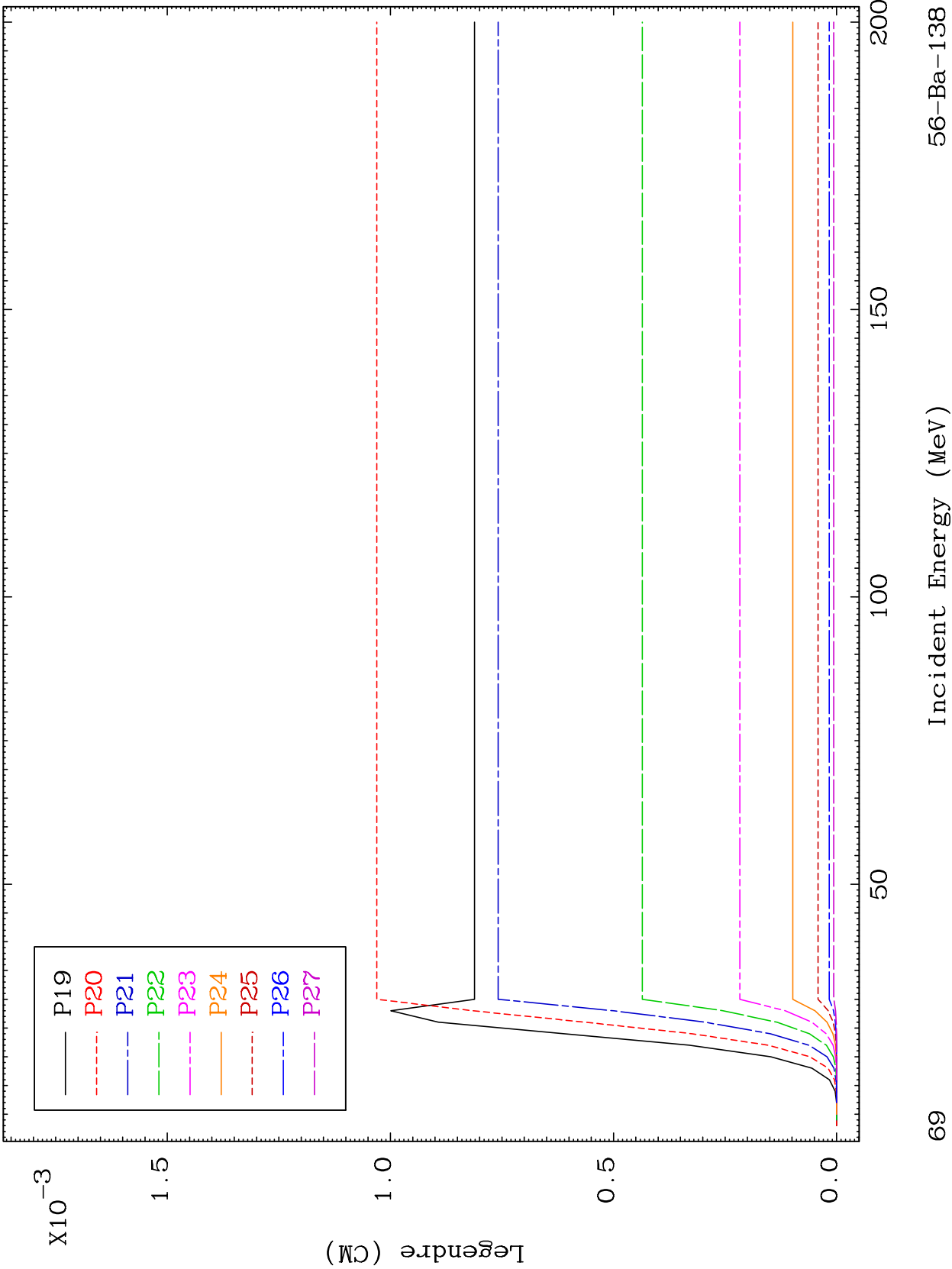
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.779 MeV (n,n') Level
Legendre Coefficients

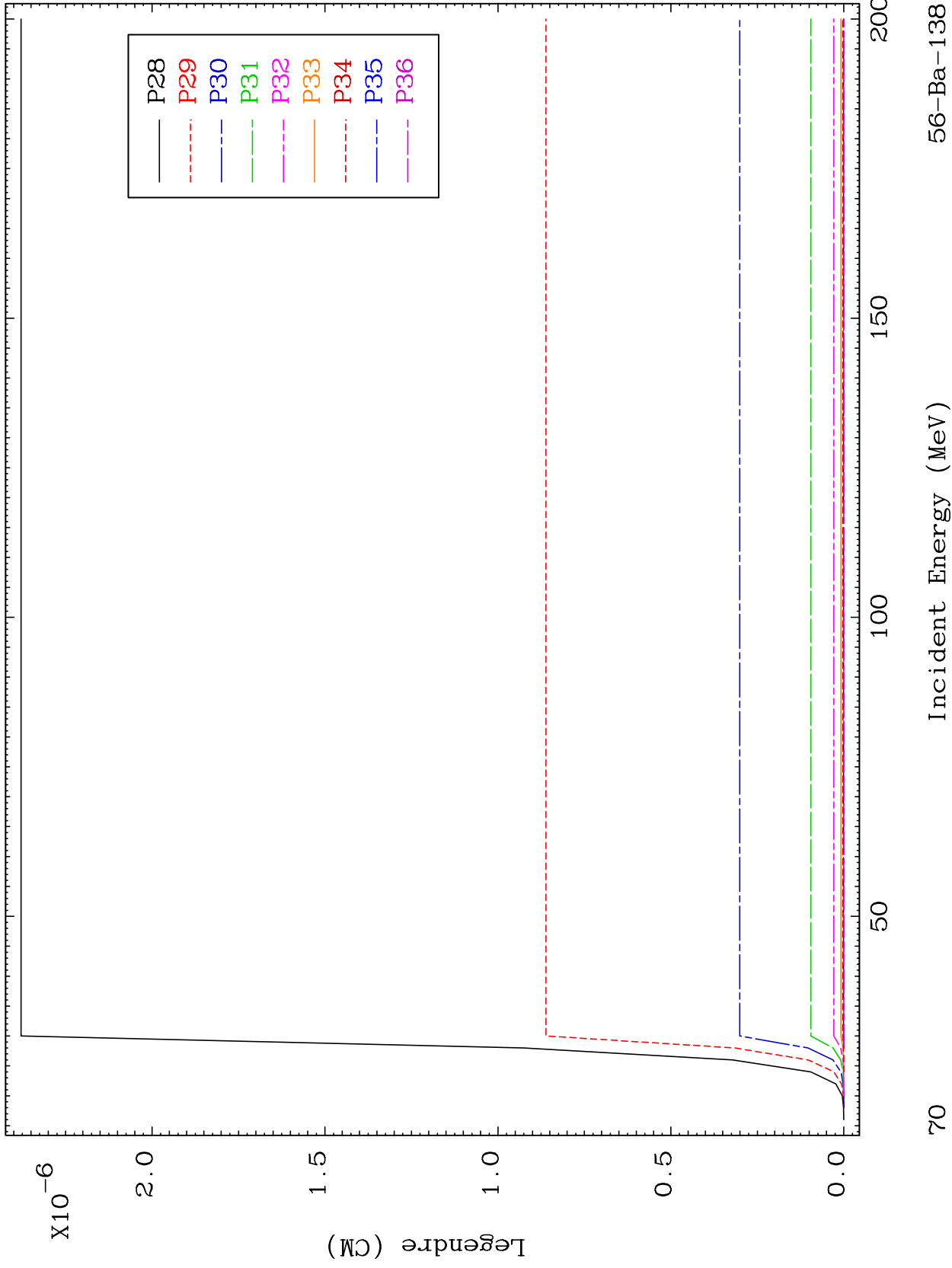
56-Ba-138



MAT 5649

2.779 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



70

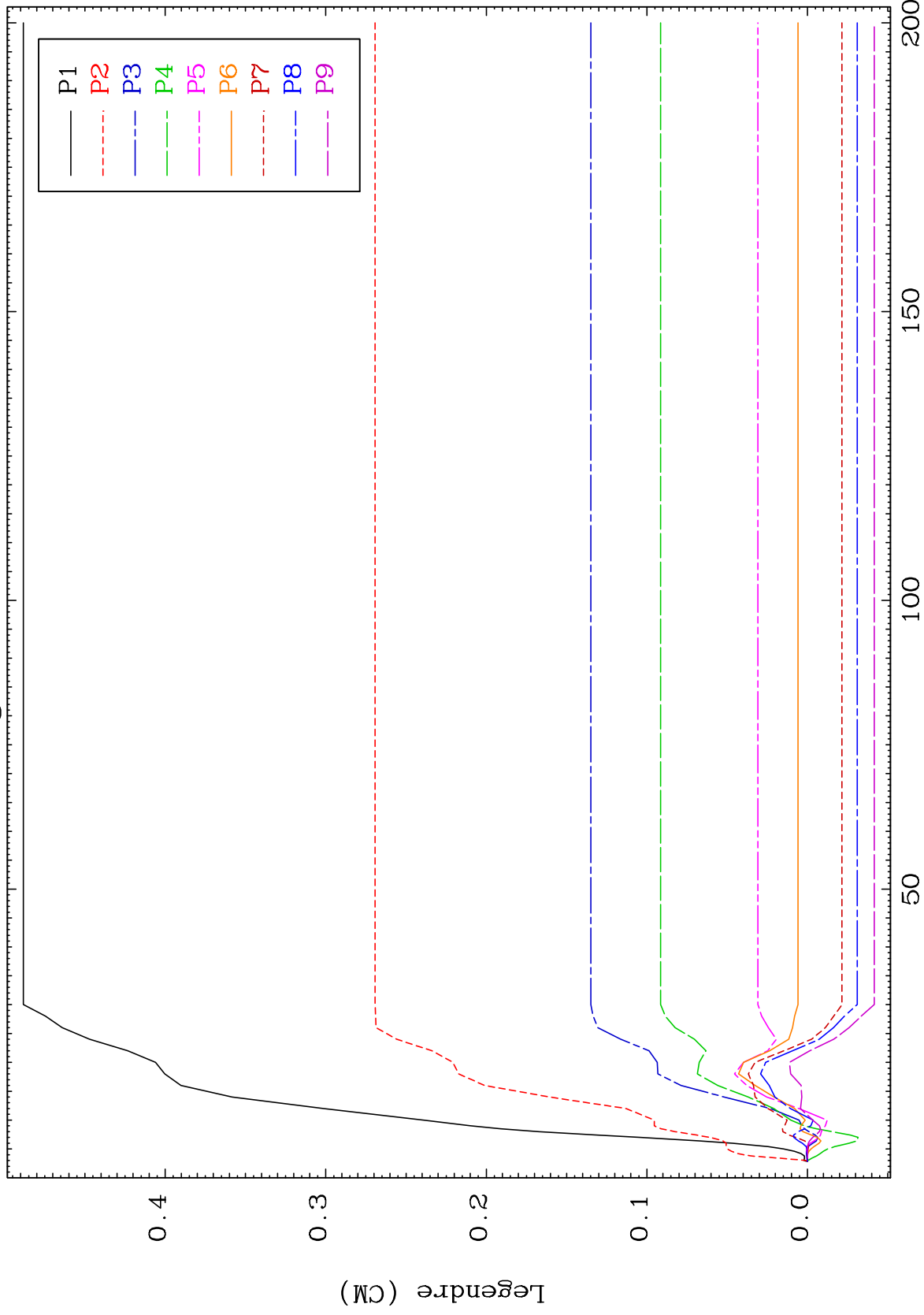
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.794 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



71

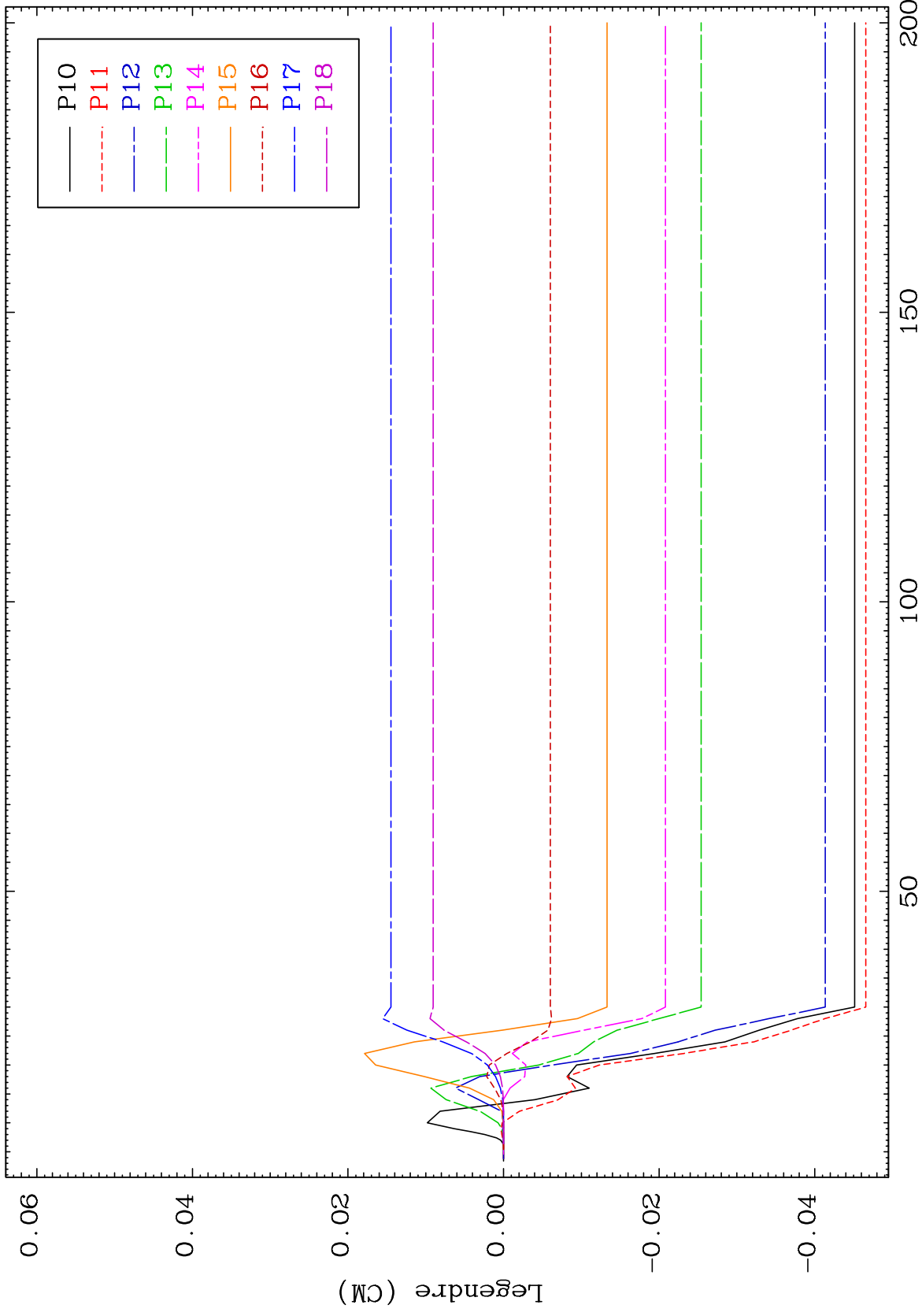
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.794 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



72

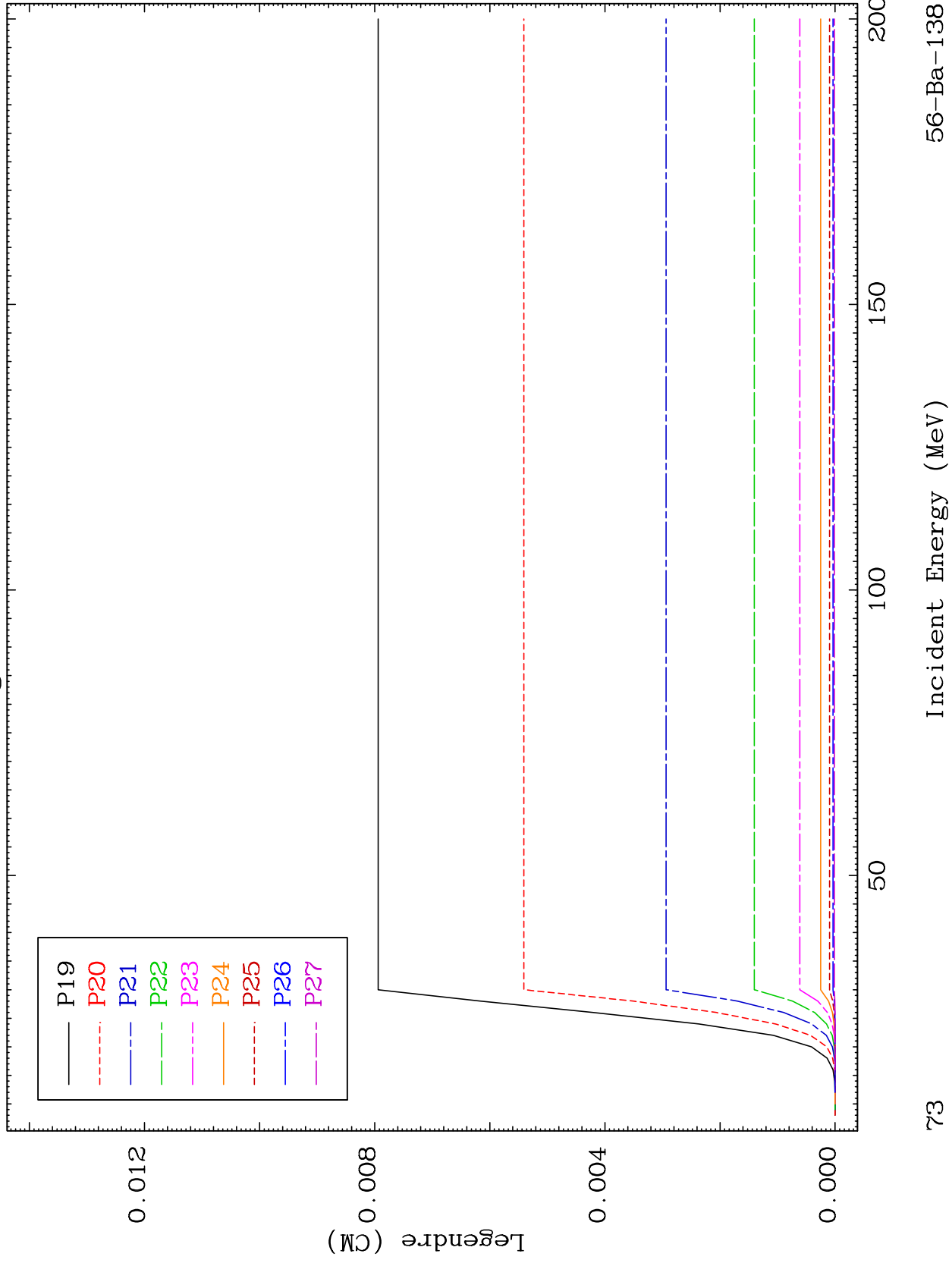
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.794 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



73

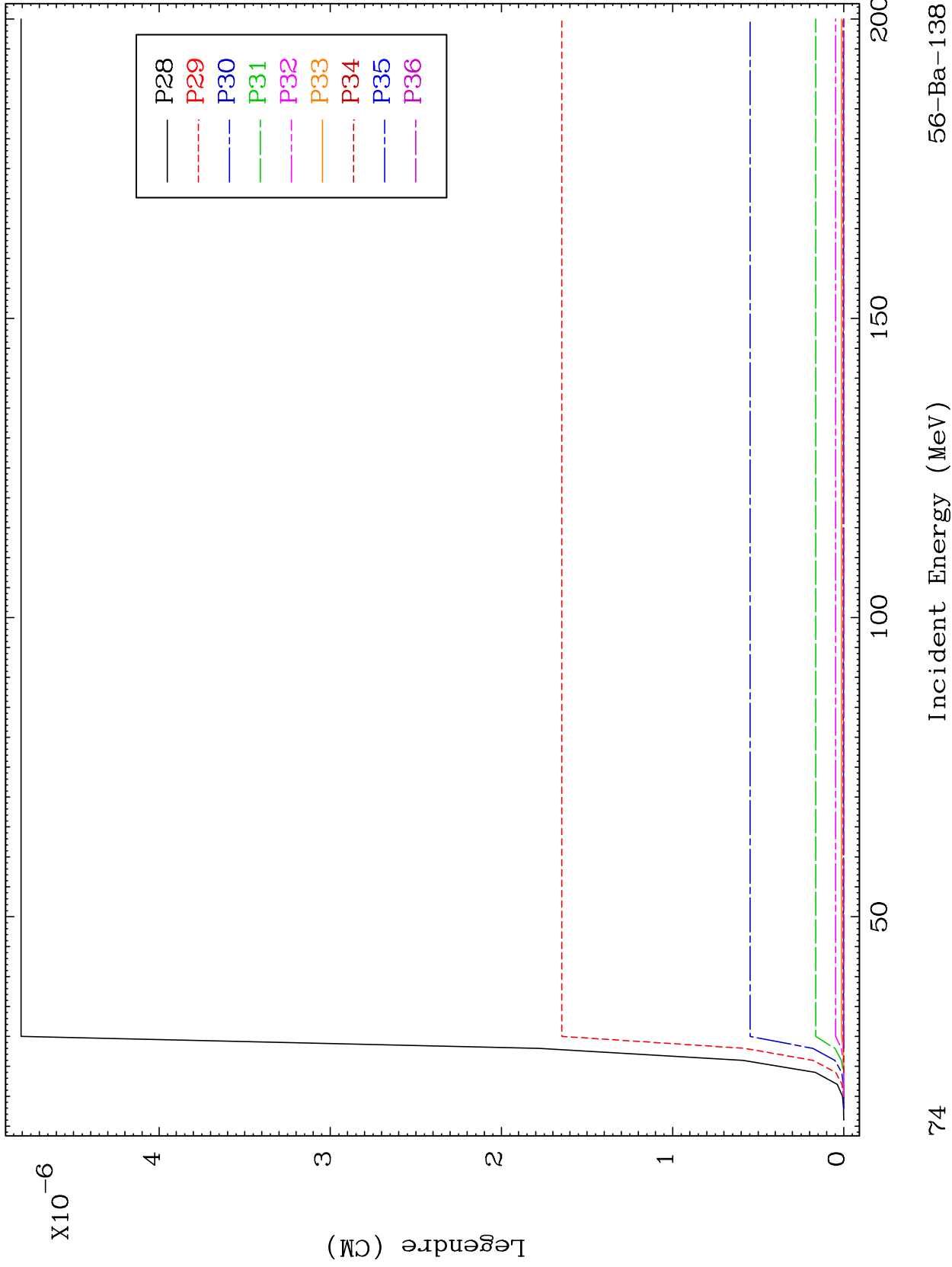
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.794 MeV (n, n') Level
Legendre Coefficients

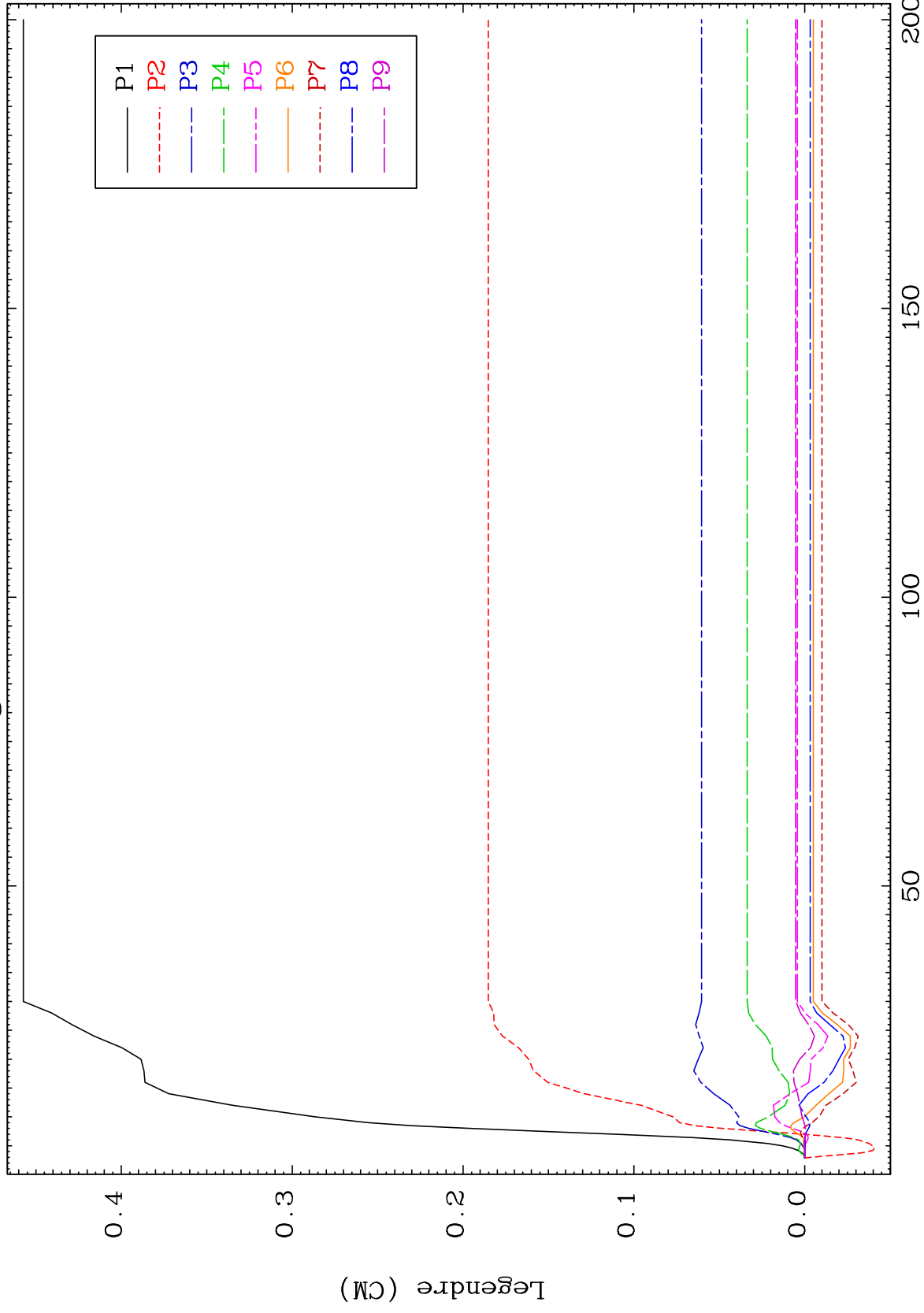
56-Ba-138



MAT 5649

2.852 MeV (n,n') Level
Legendre Coefficients

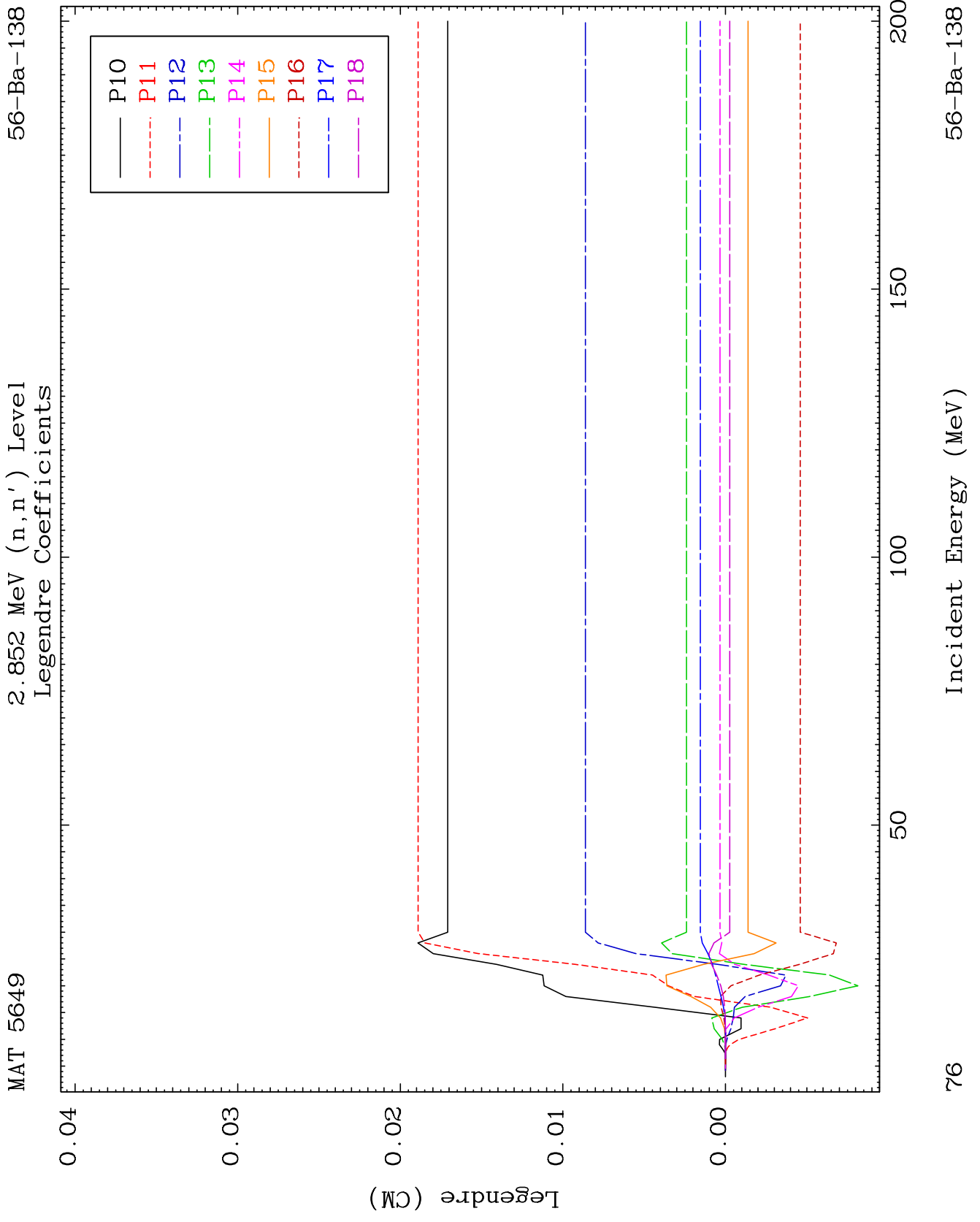
56-Ba-138



75

Incident Energy (MeV)

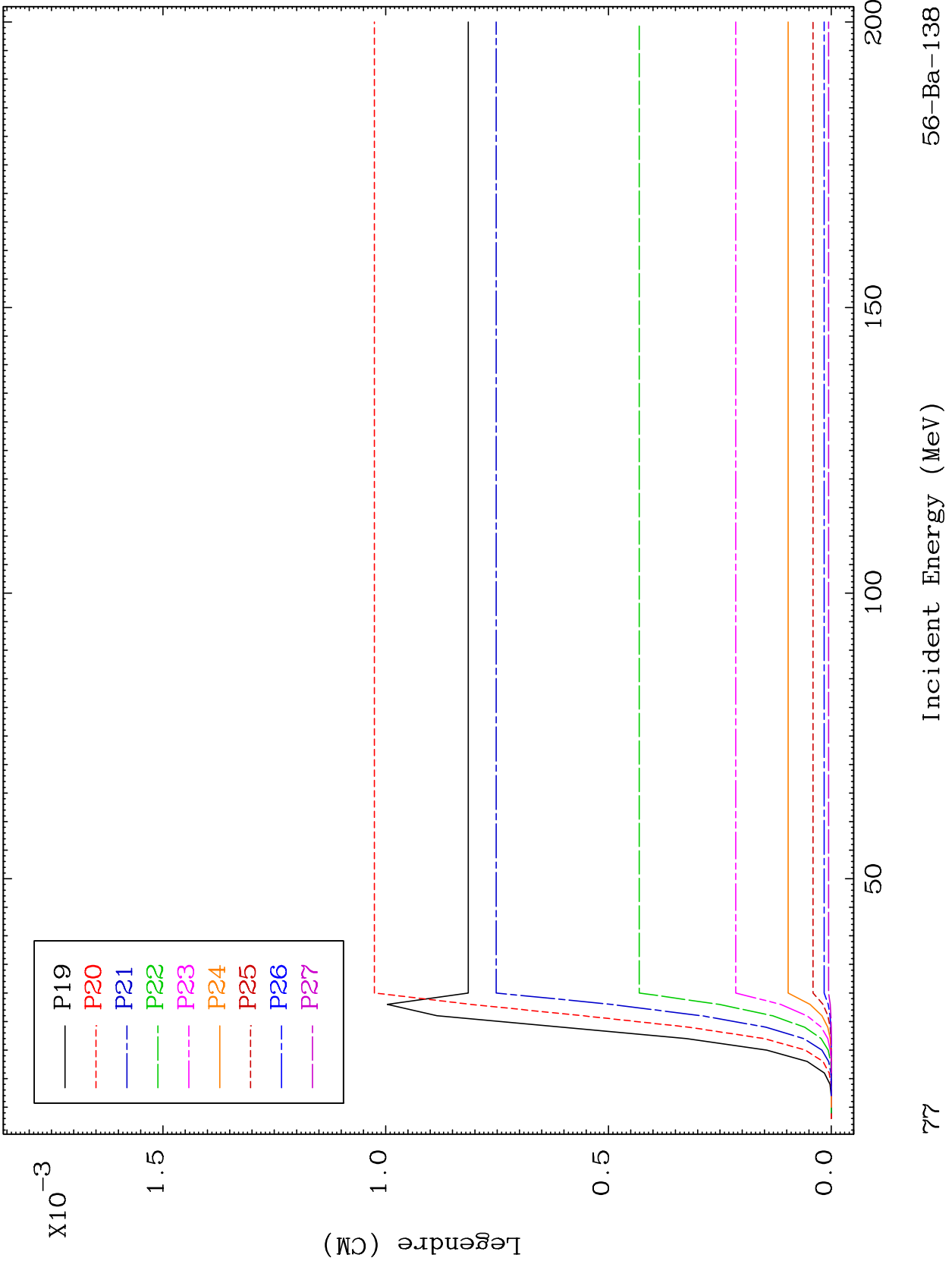
56-Ba-138



MAT 5649

2.852 MeV (n, n') Level
Legendre Coefficients

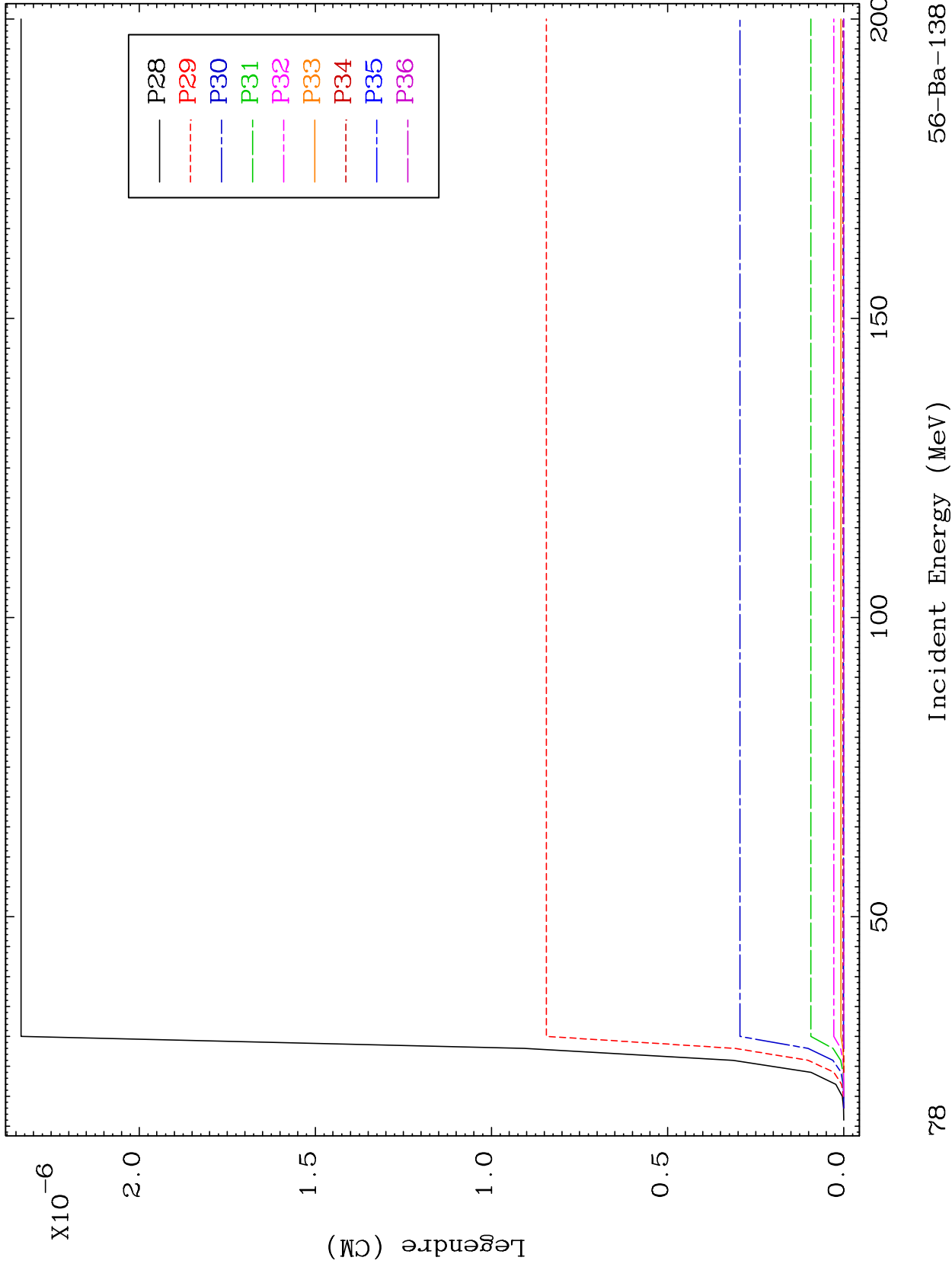
56-Ba-138

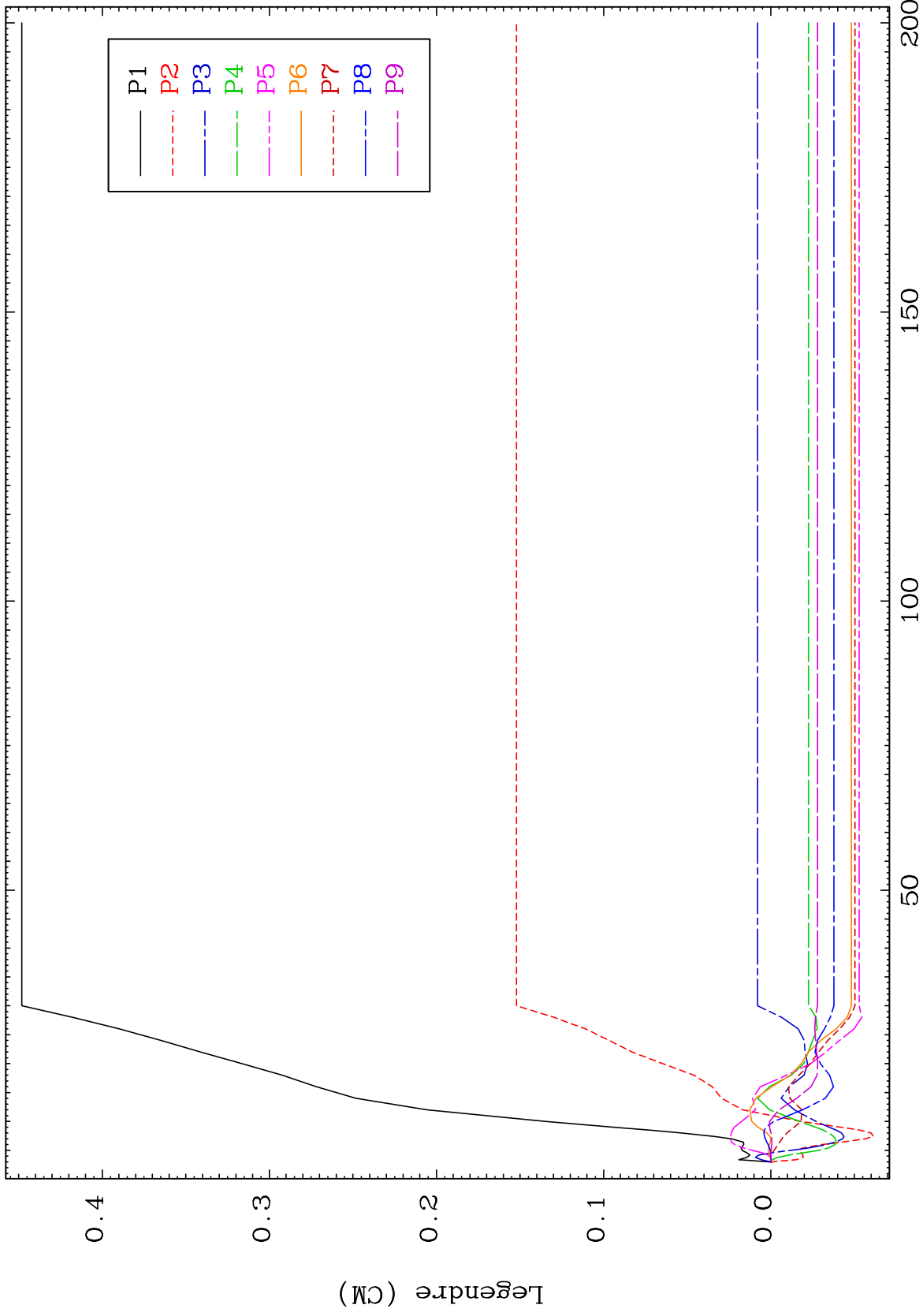


MAT 5649

2.852 MeV (n, n') Level
Legendre Coefficients

56-Ba-138

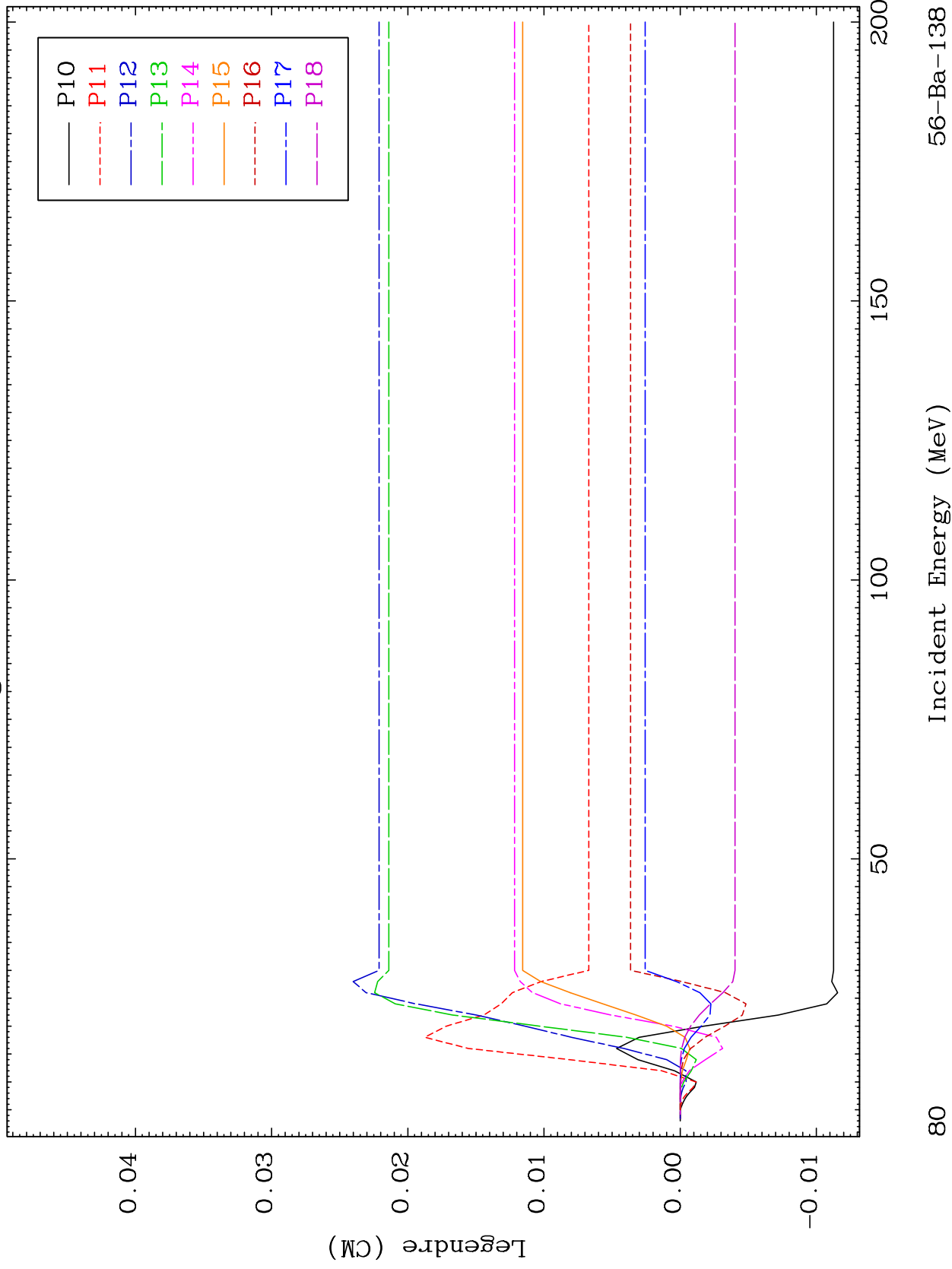




MAT 5649

2.881 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



56-Ba-138

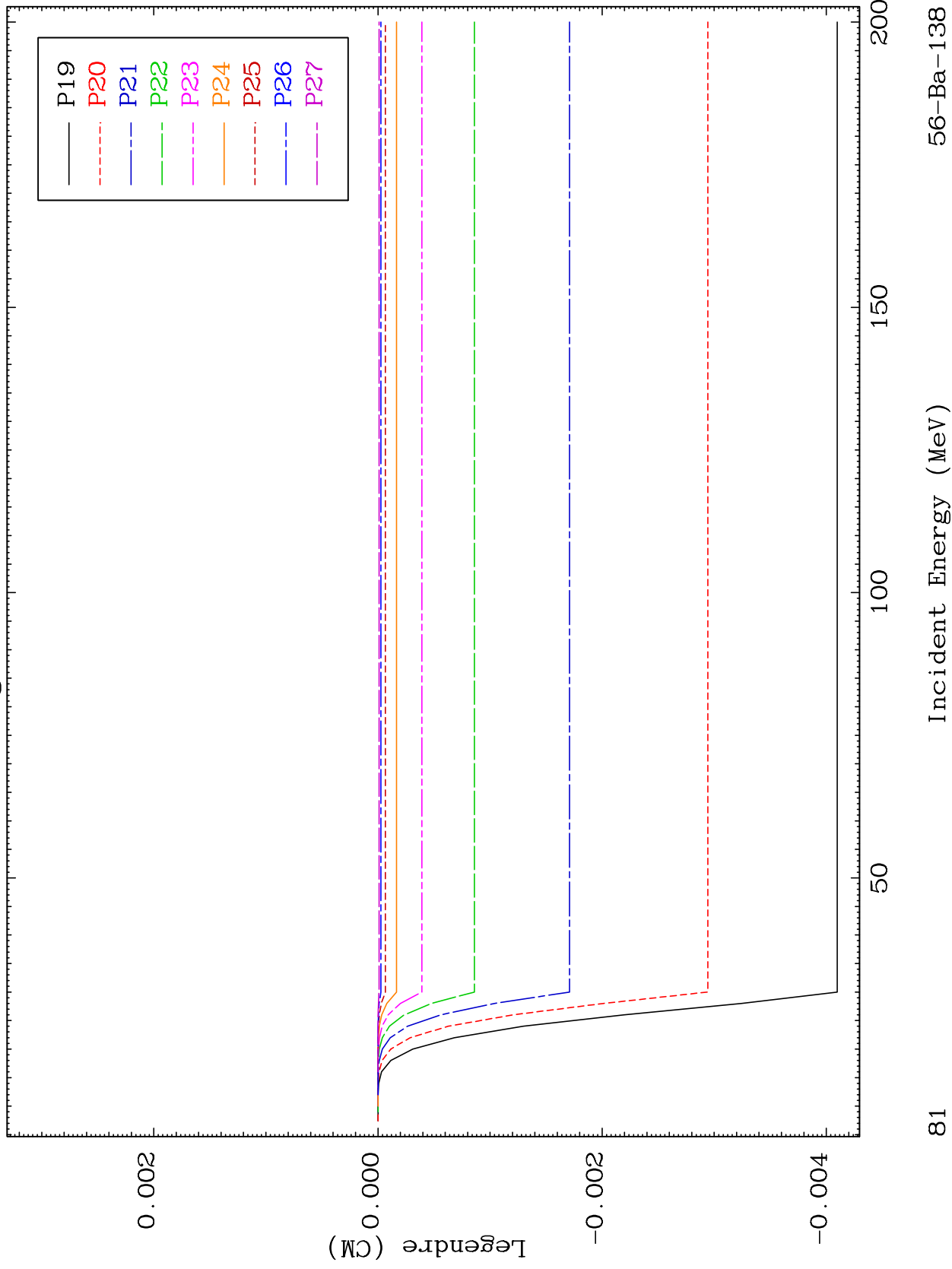
Incident Energy (MeV)

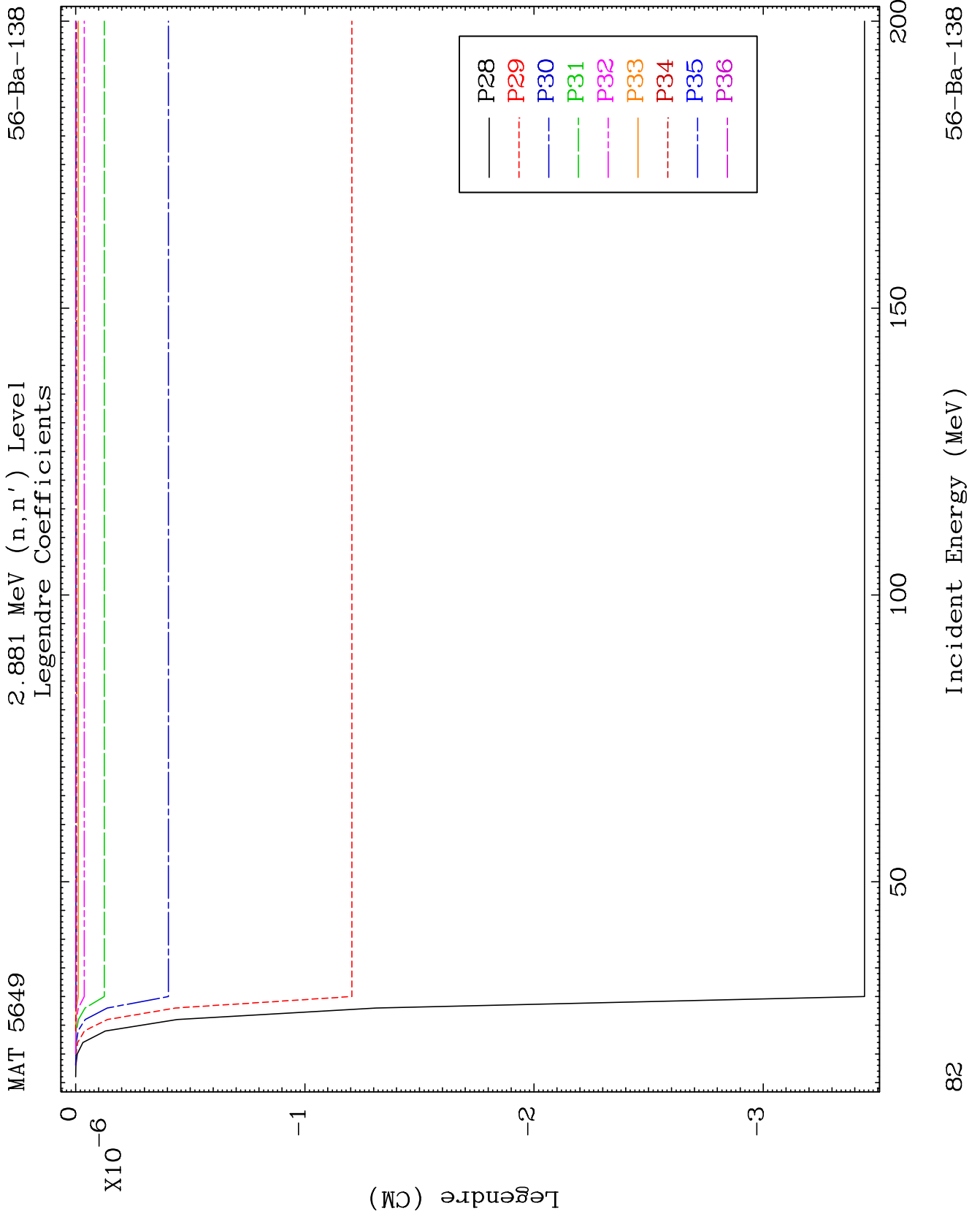
80

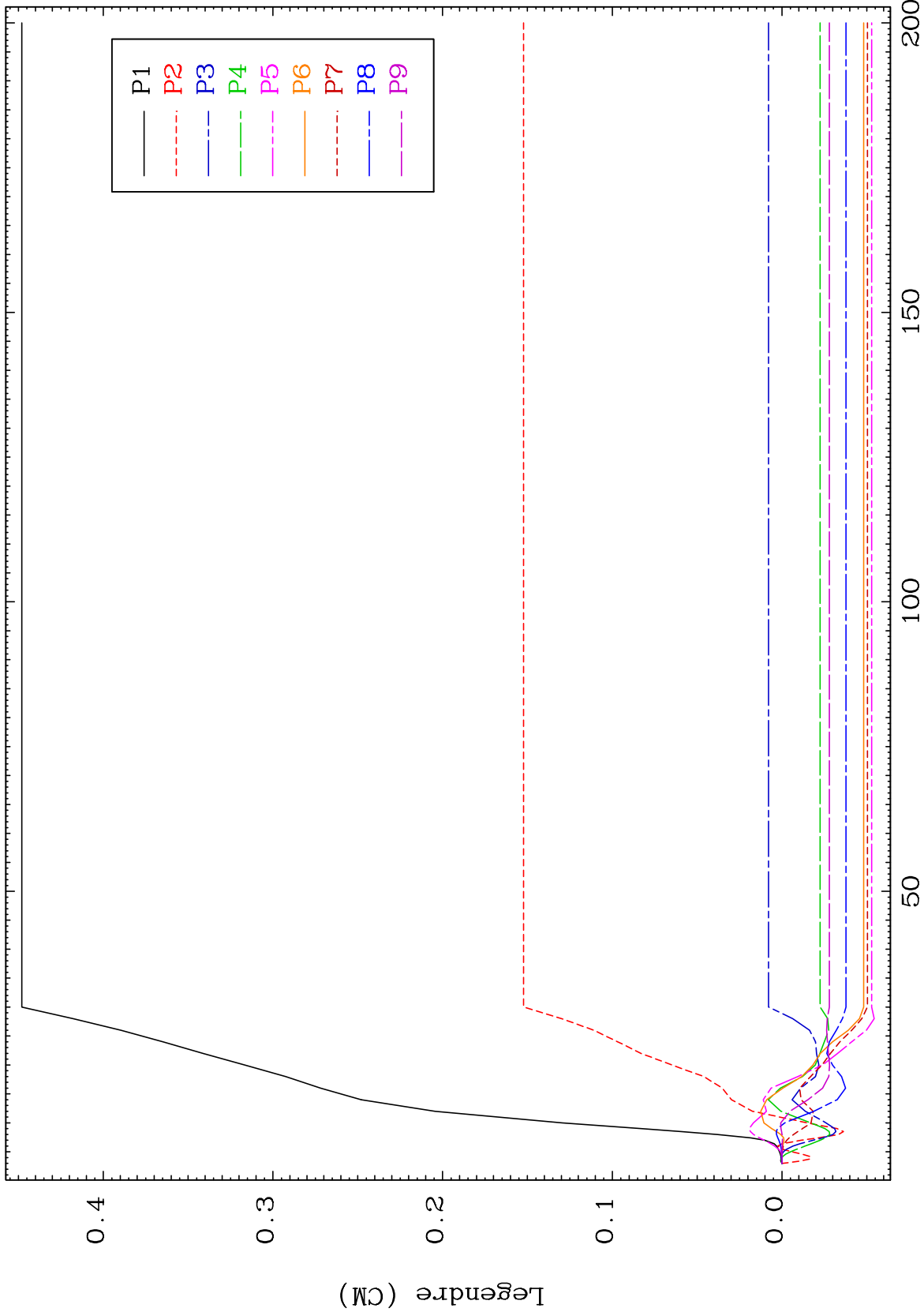
MAT 5649

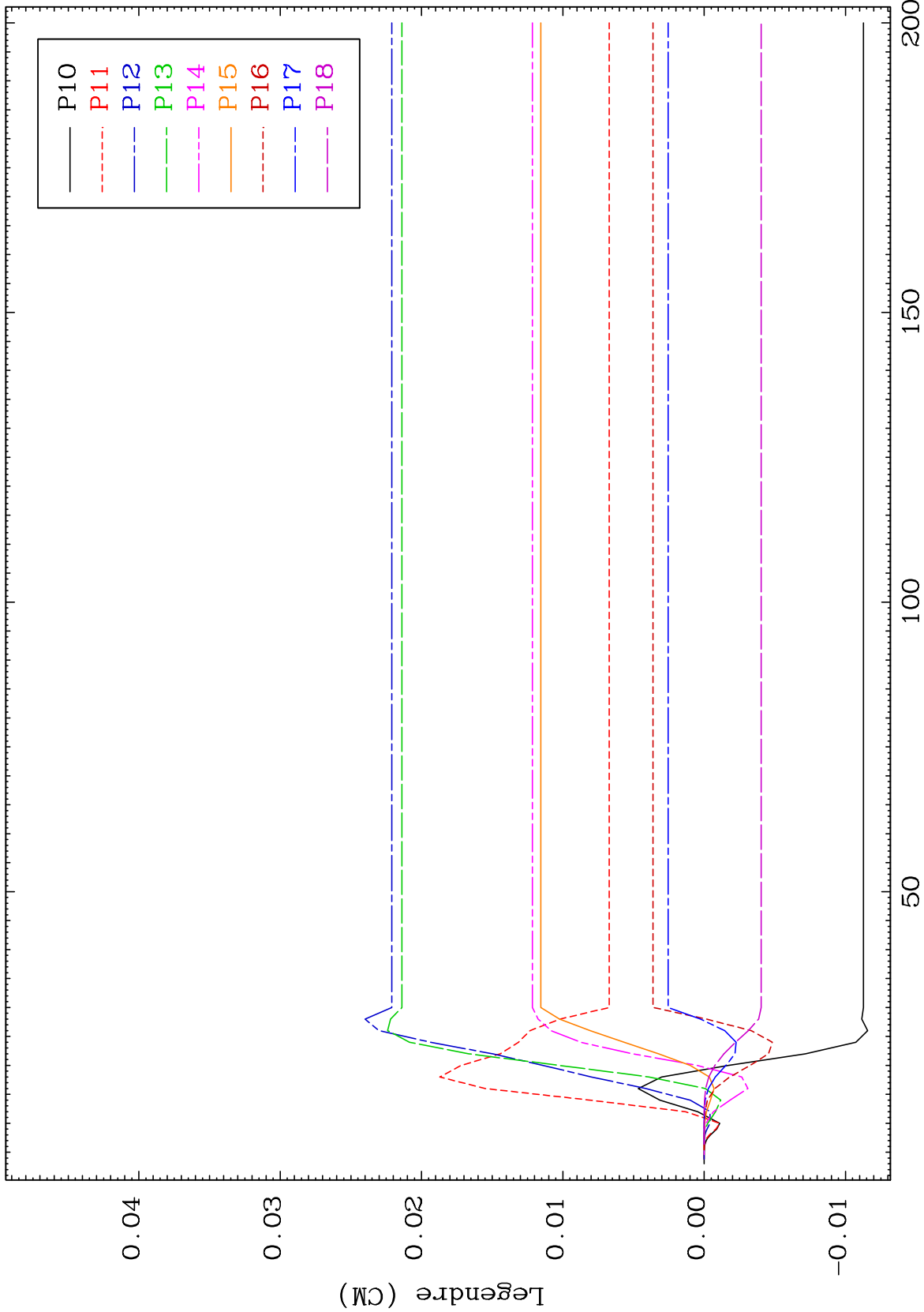
2.881 MeV (n,n') Level
Legendre Coefficients

56-Ba-138





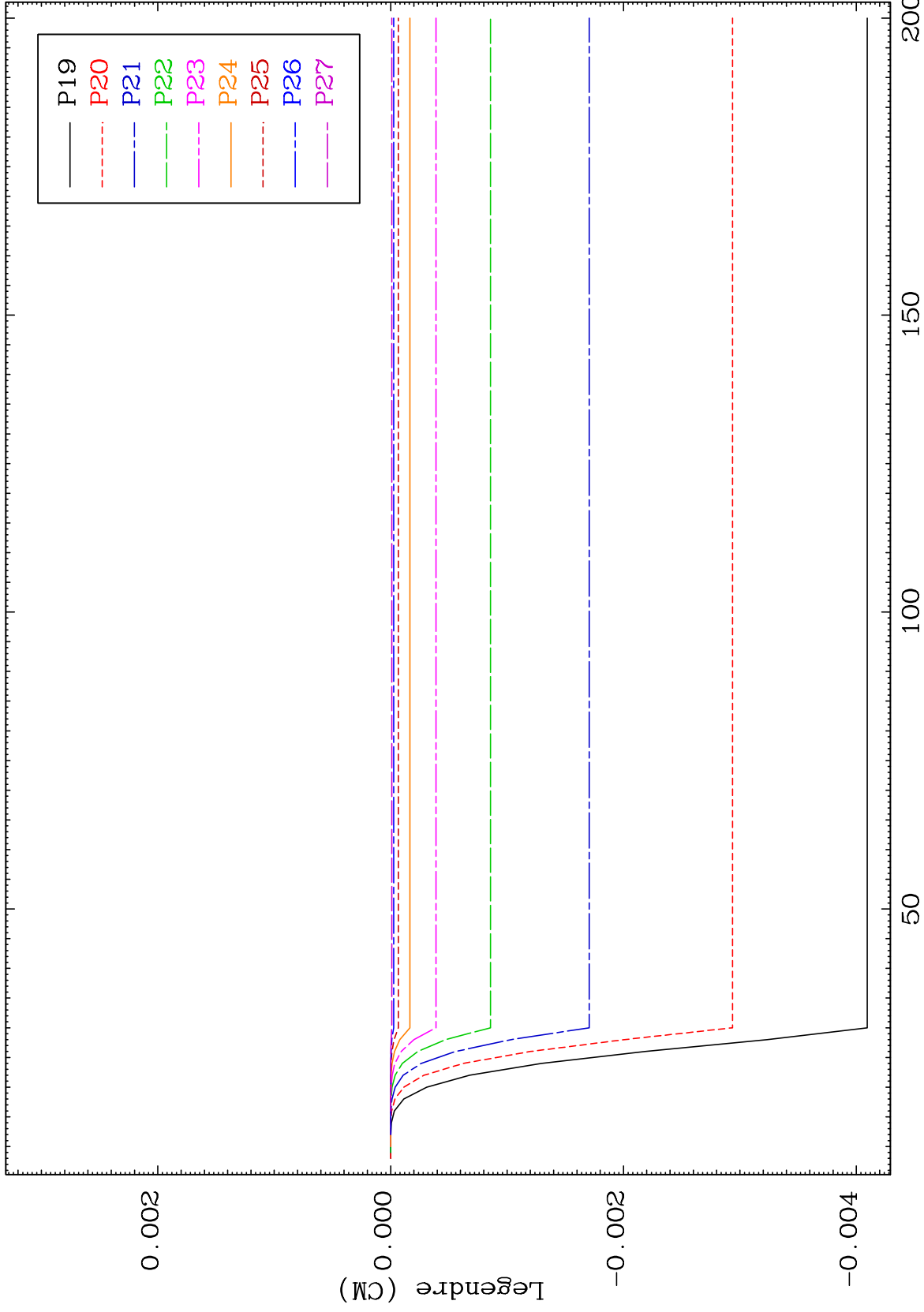




MAT 5649

2.900 MeV (n,n') Level
Legendre Coefficients

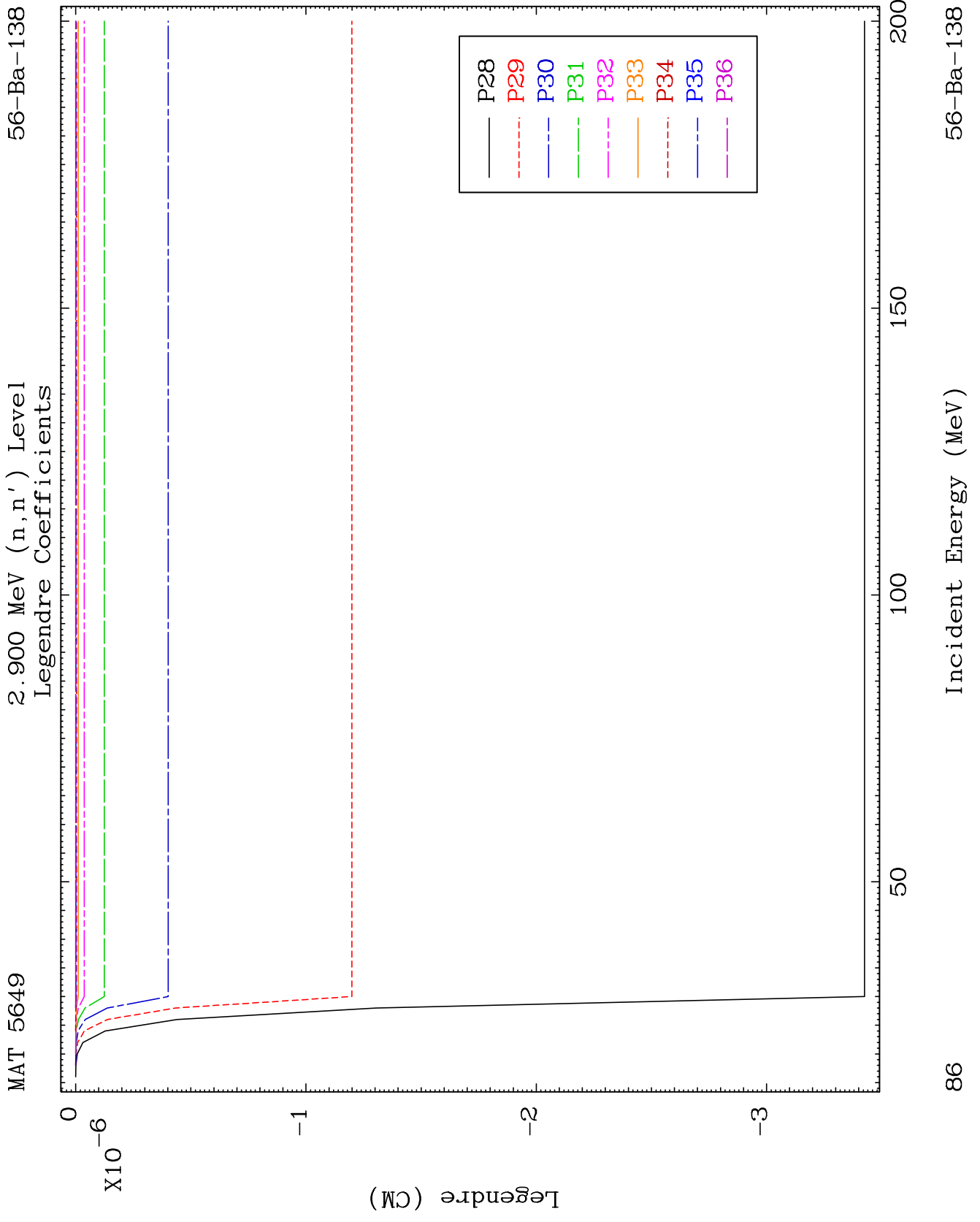
56-Ba-138

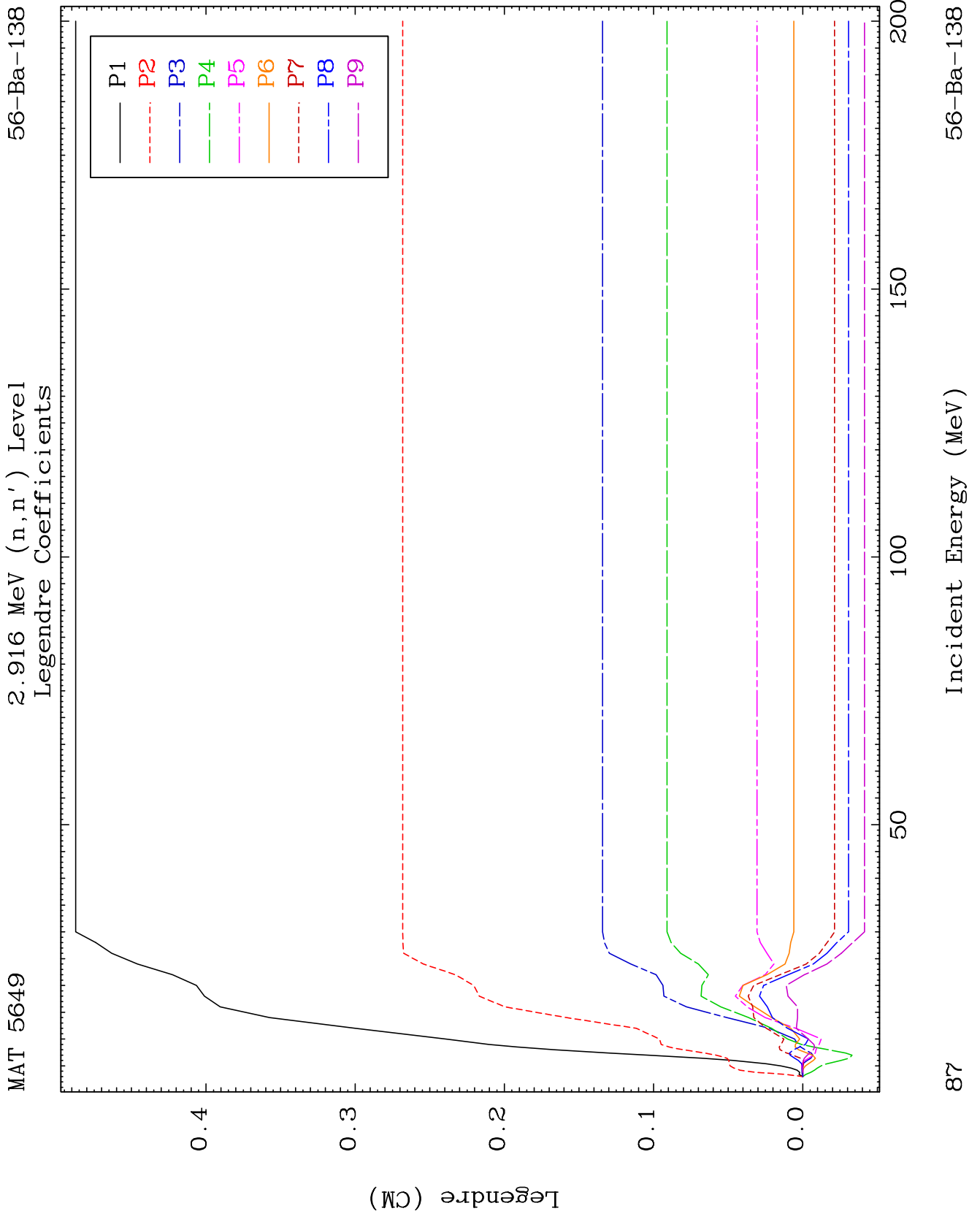


85

Incident Energy (MeV)

56-Ba-138

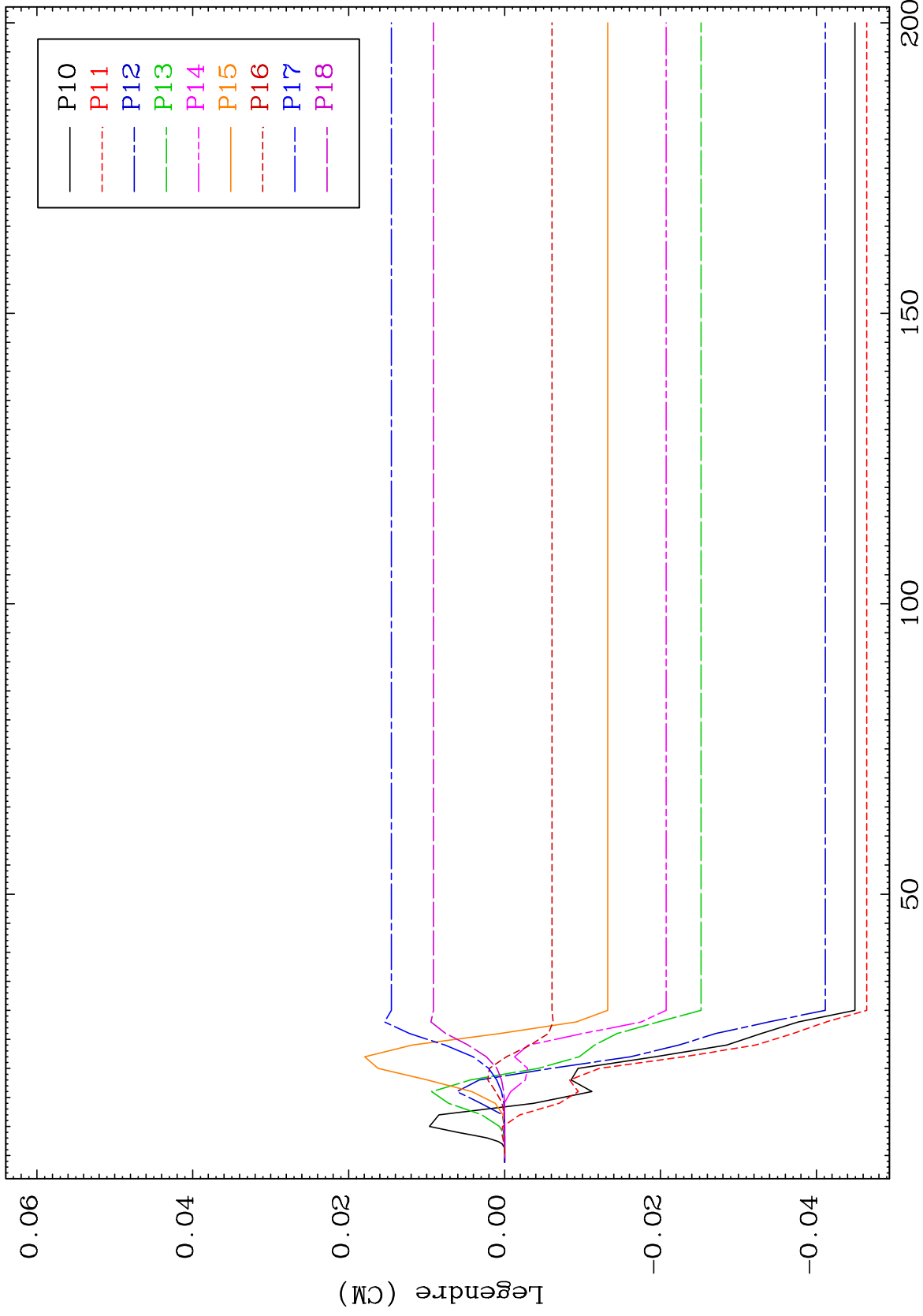




MAT 5649

2.916 MeV (n, n') Level
Legendre Coefficients

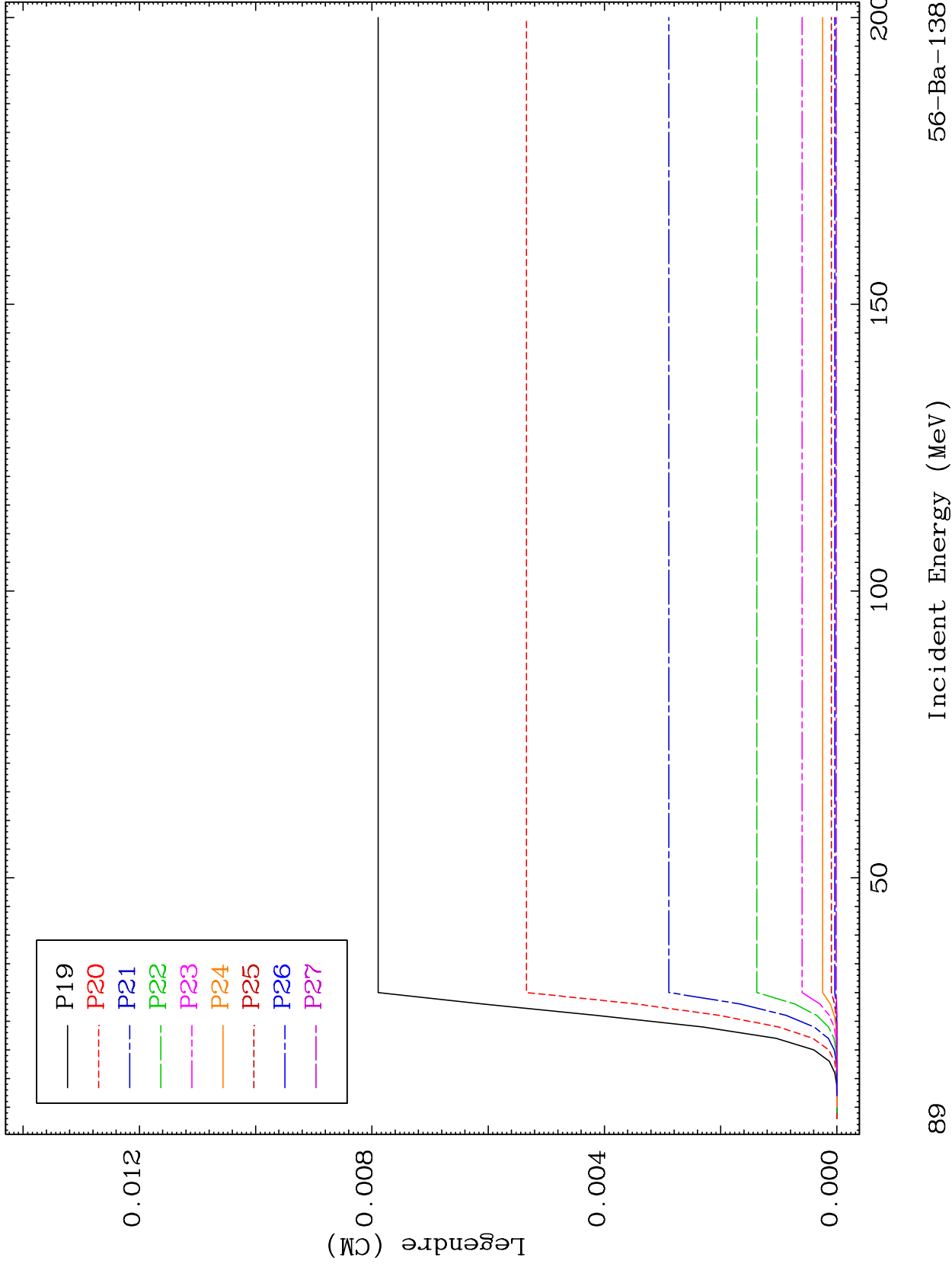
56-Ba-138



88

Incident Energy (MeV)

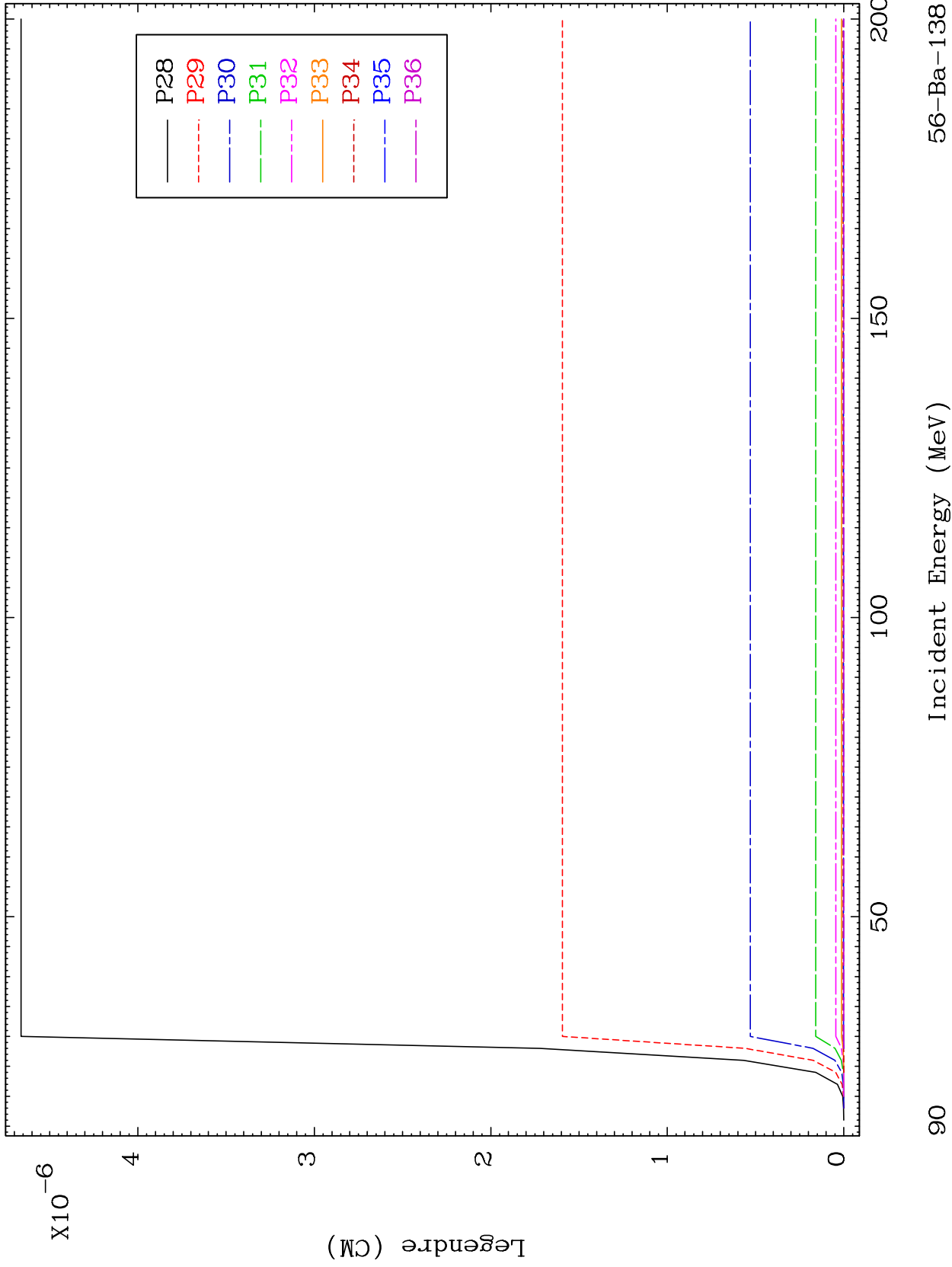
56-Ba-138



MAT 5649

2.916 MeV (n, n') Level
Legendre Coefficients

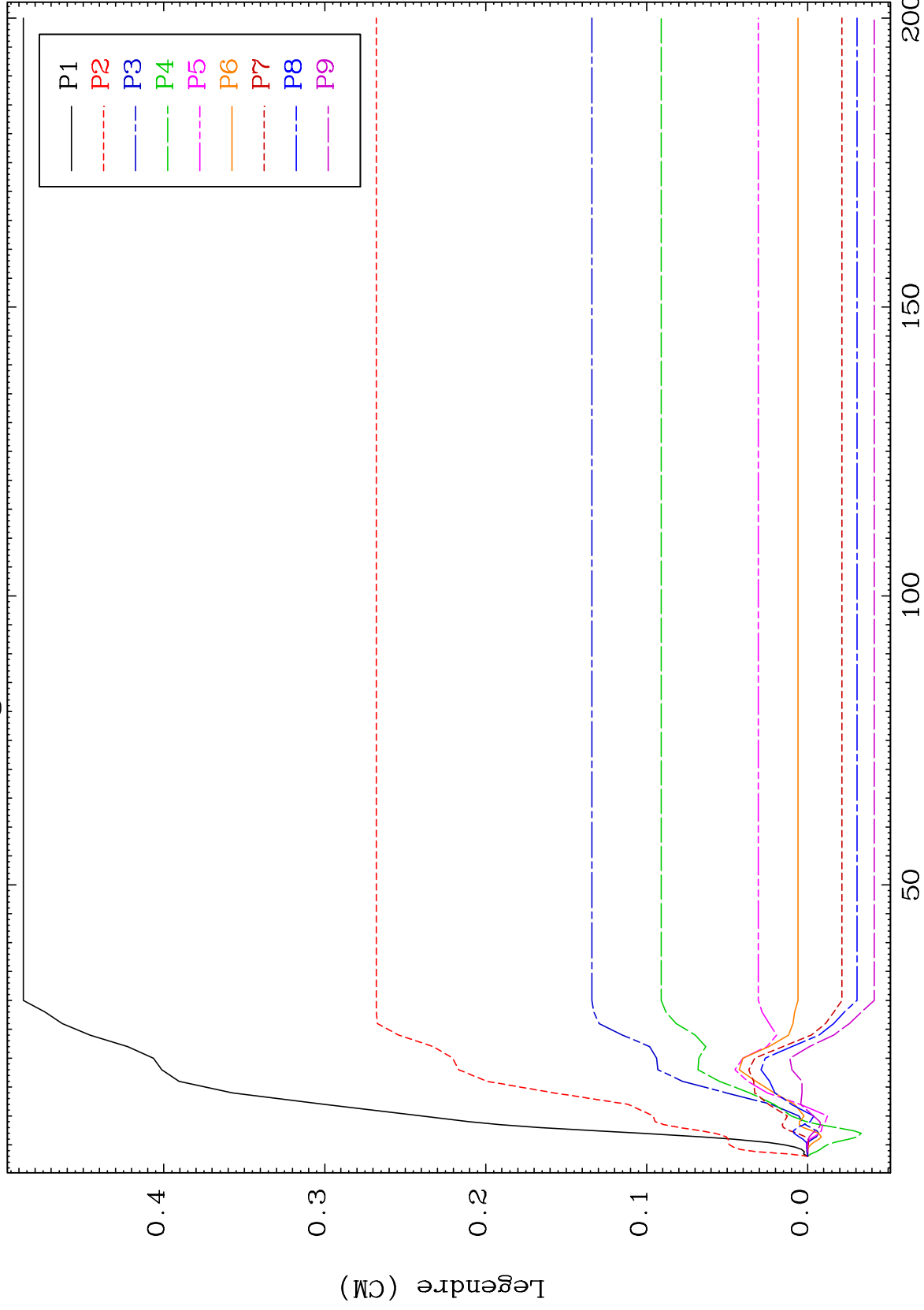
56-Ba-138



MAT 5649

2.931 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



91

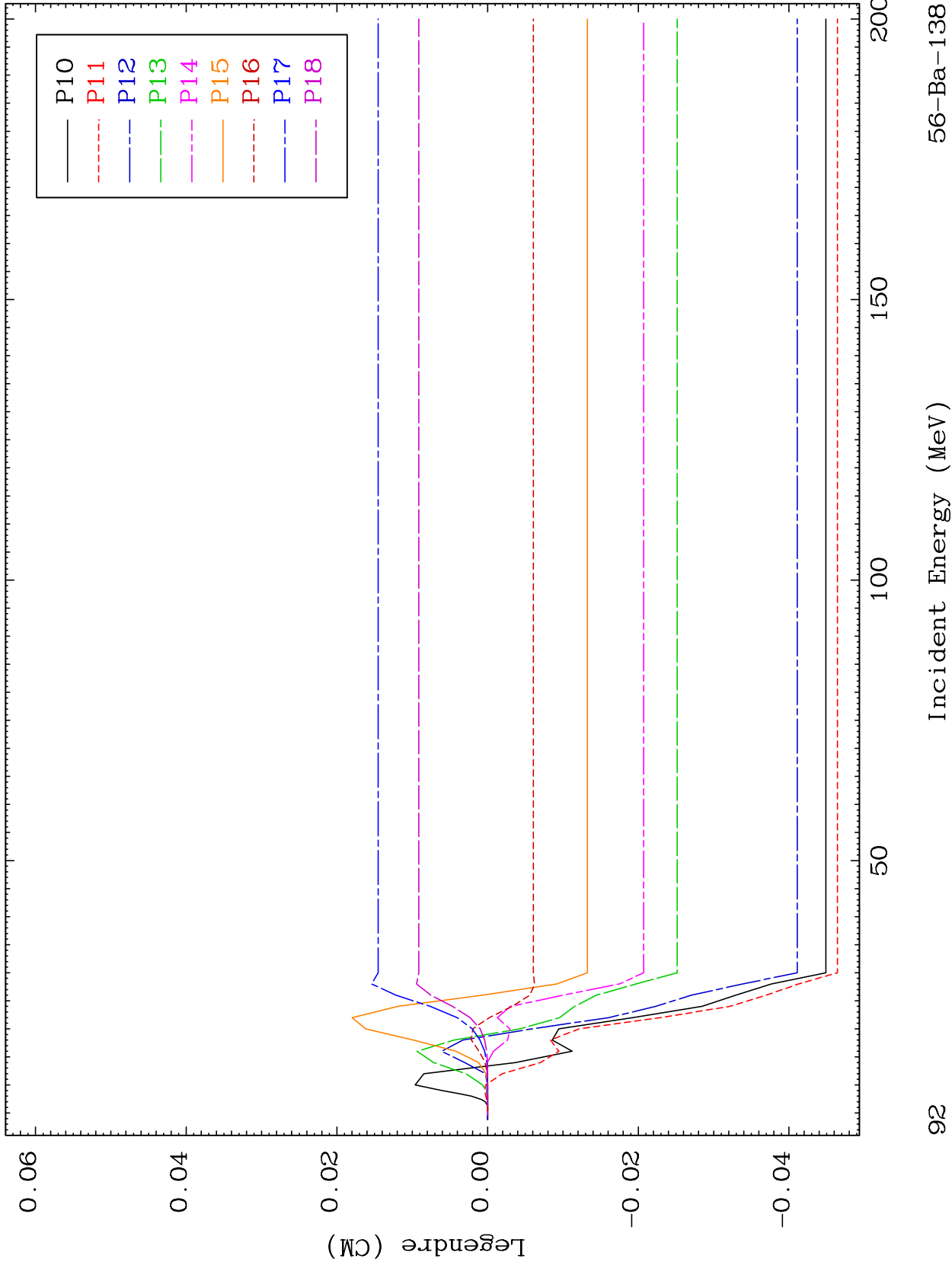
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.931 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



92

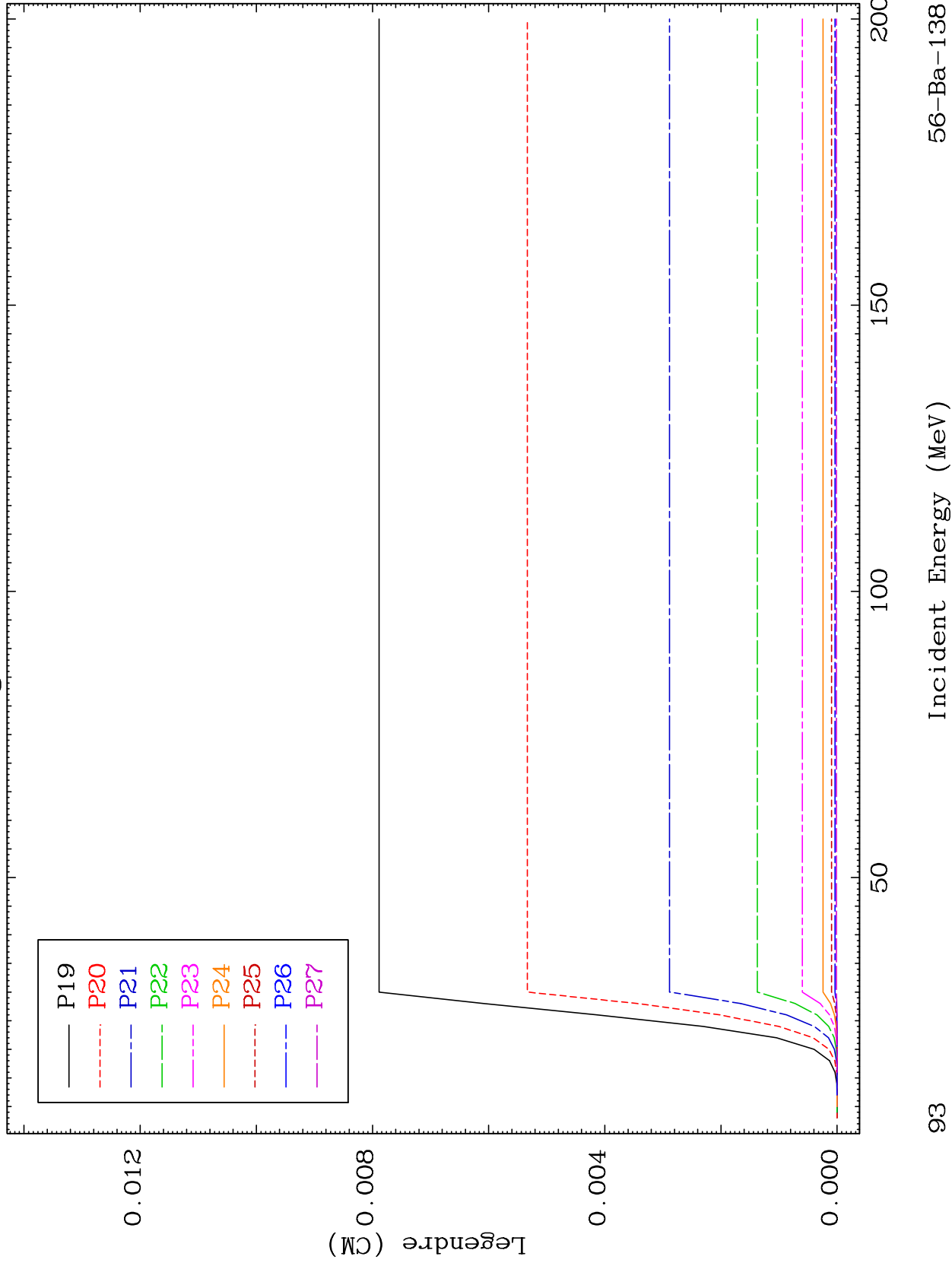
Incident Energy (MeV)

56-Ba-138

MAT 5649

2.931 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



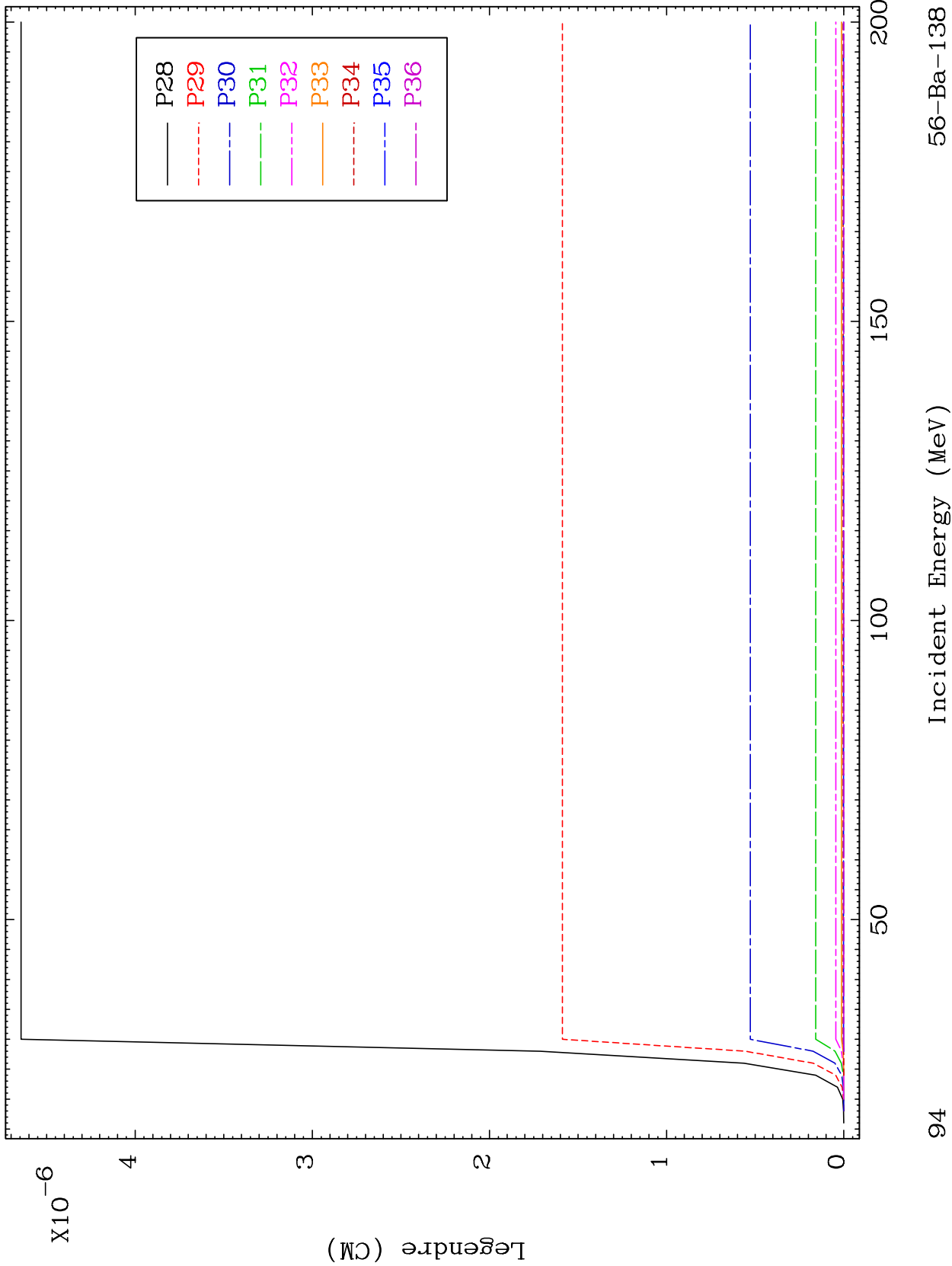
93

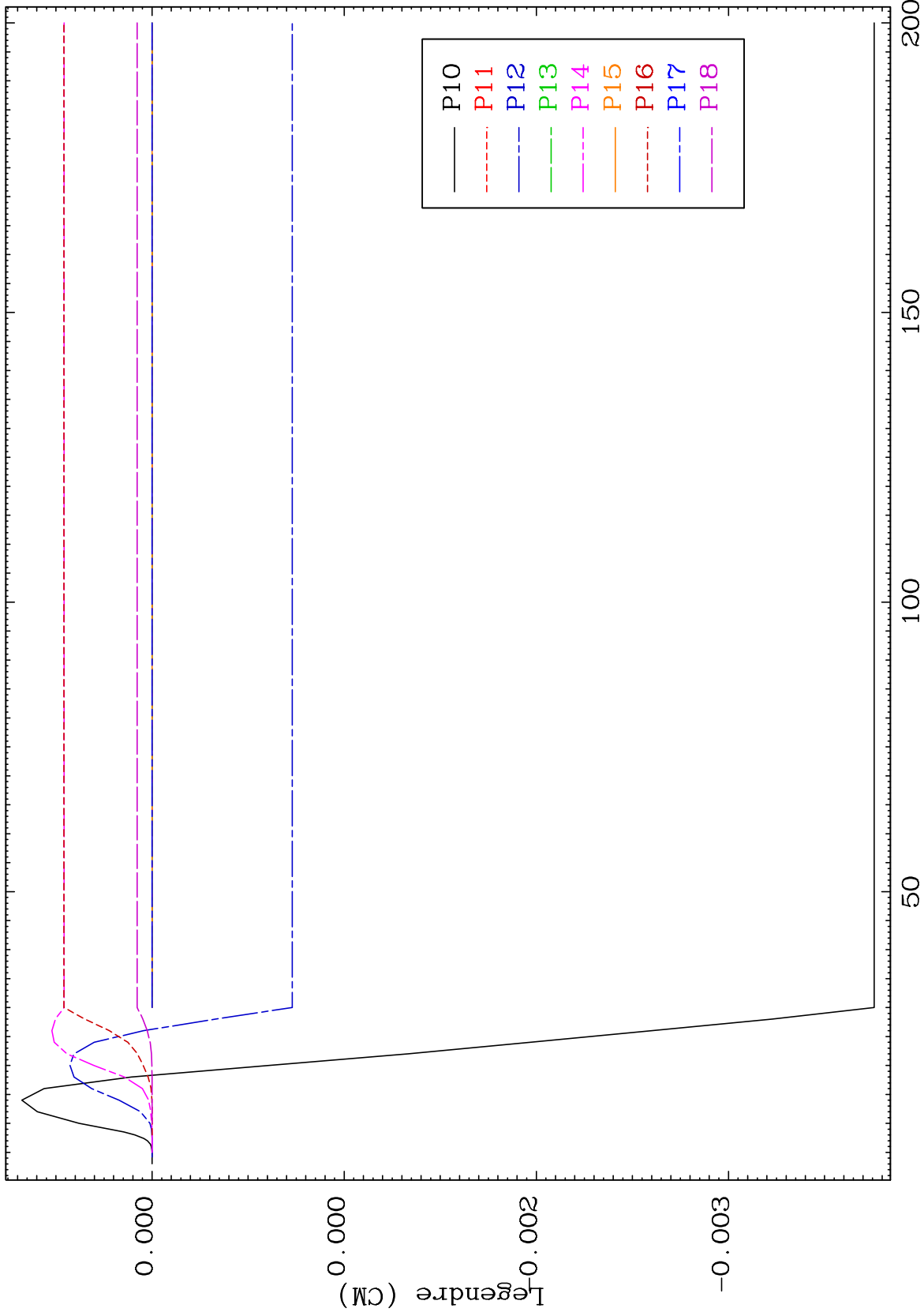
56-Ba-138

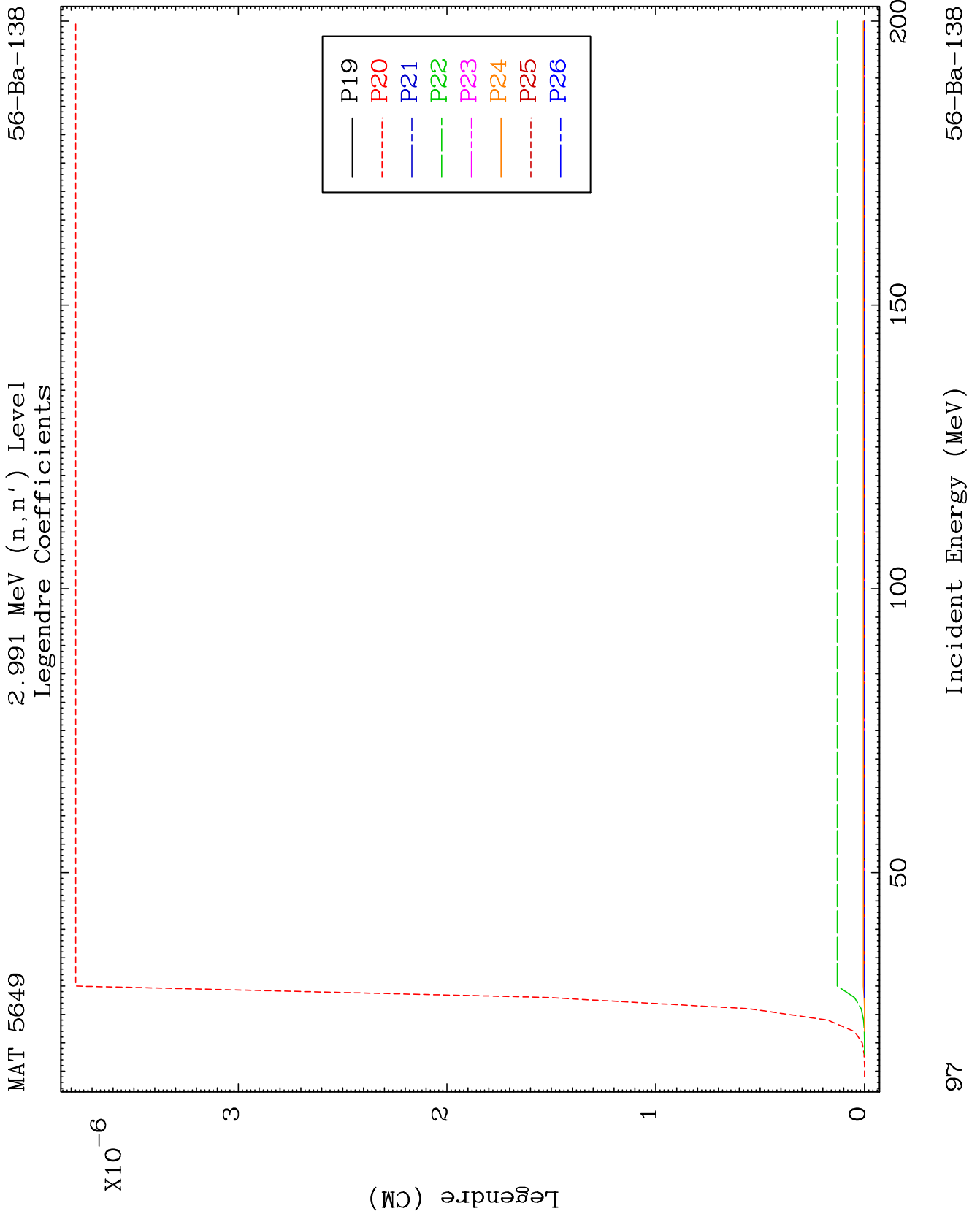
MAT 5649

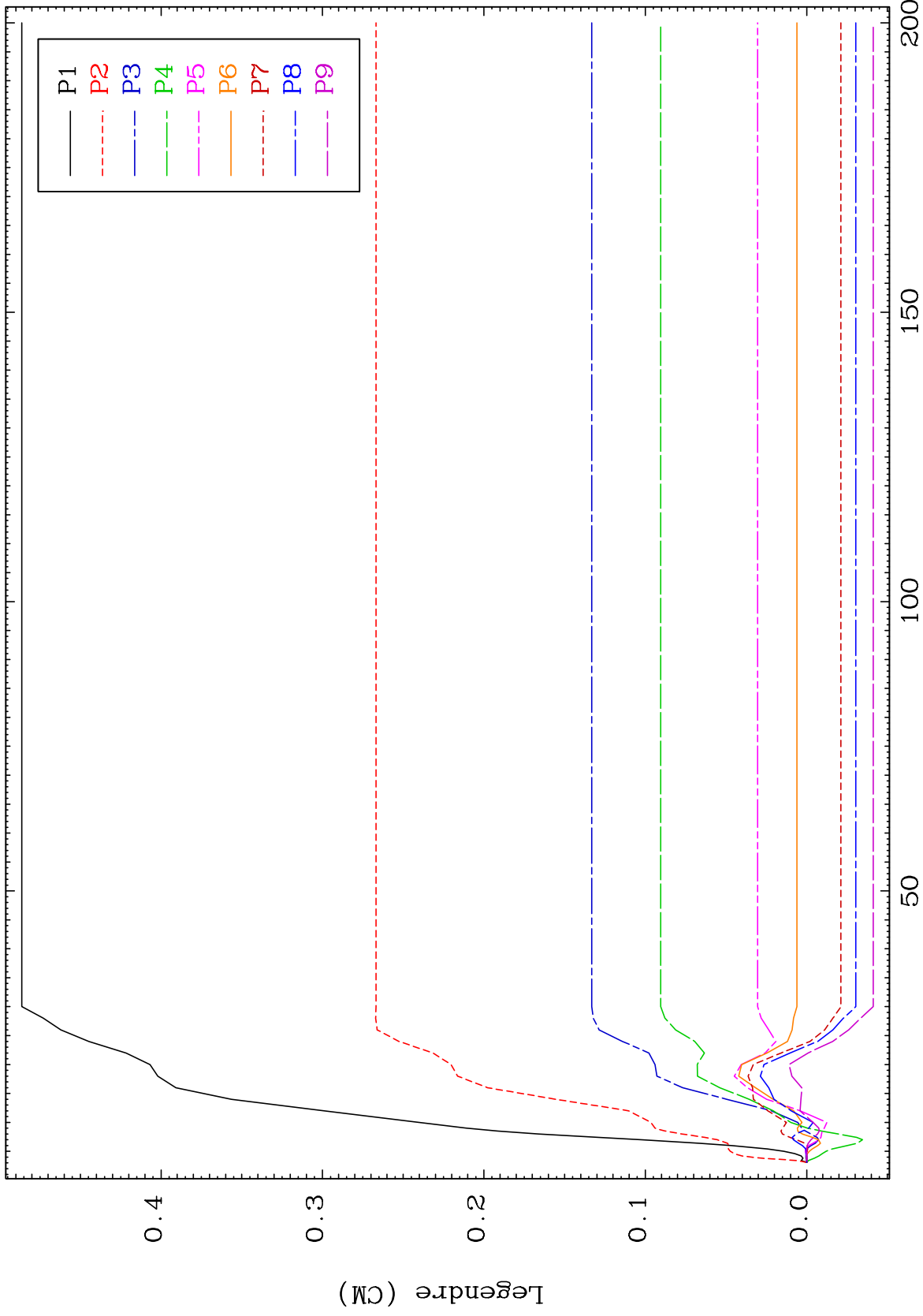
2.931 MeV (n,n') Level
Legendre Coefficients

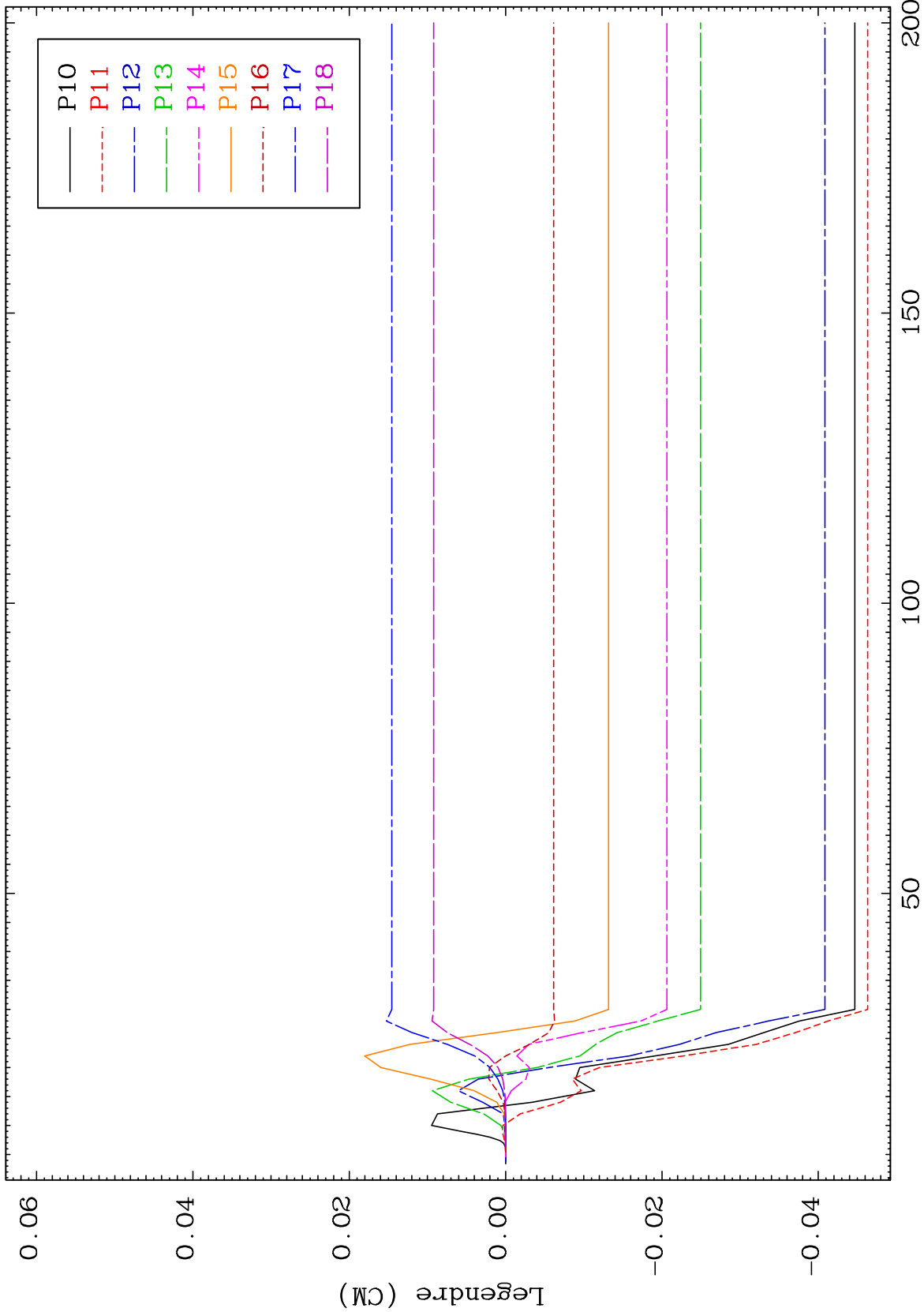
56-Ba-138







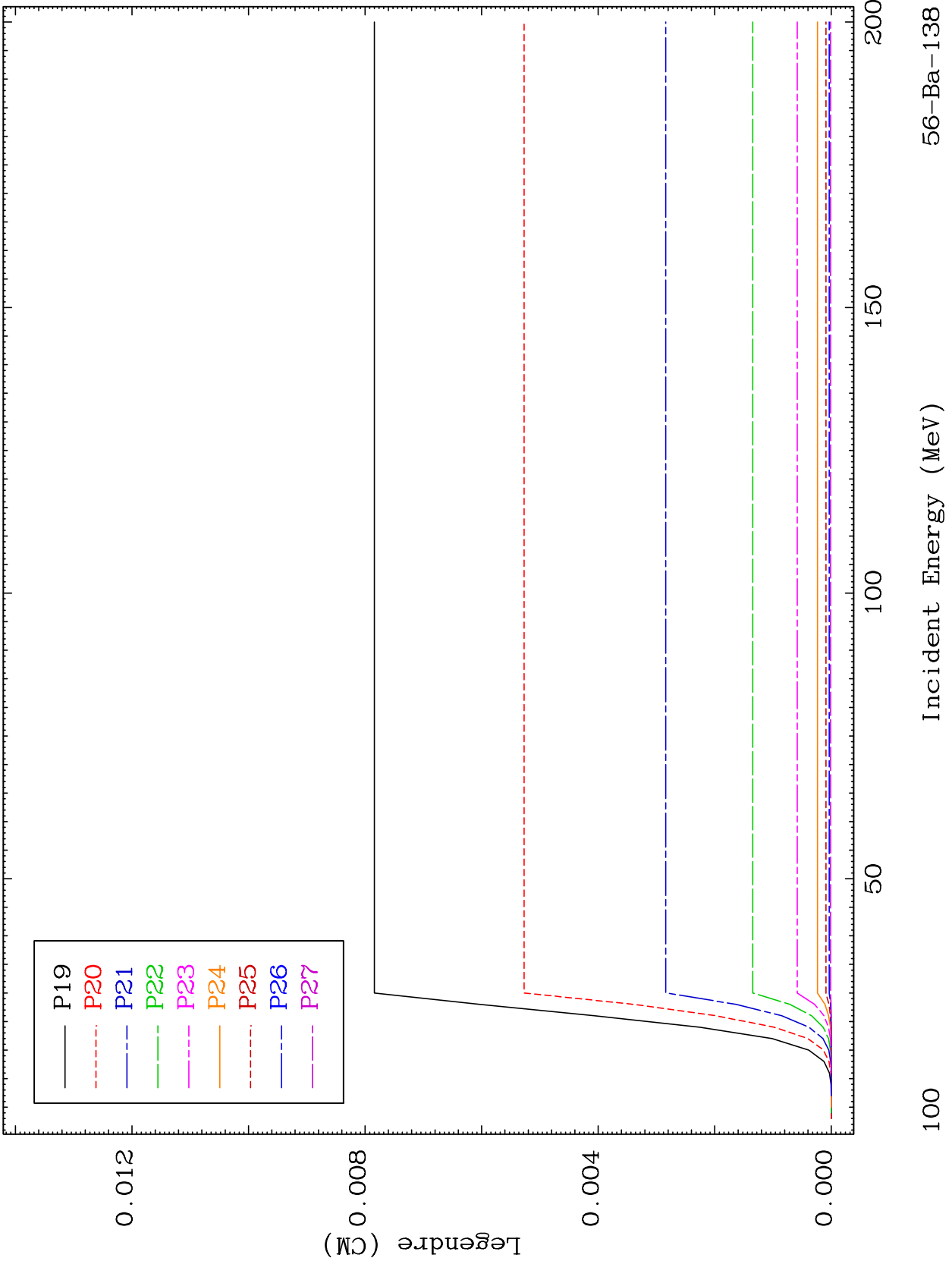




MAT 5649

3.050 MeV (n, n') Level
Legendre Coefficients

56-Ba-138

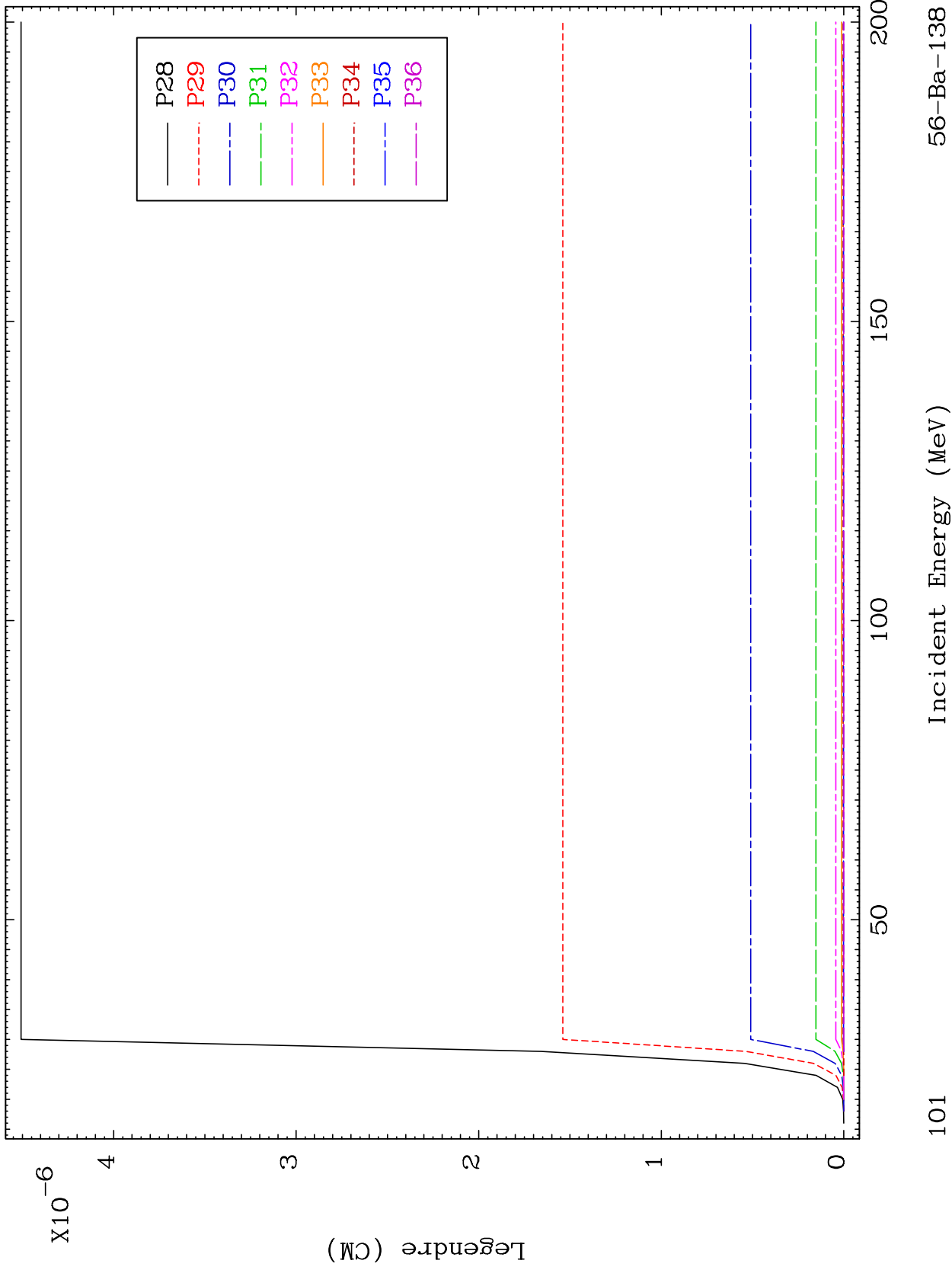


56-Ba-138

MAT 5649

3.050 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



101

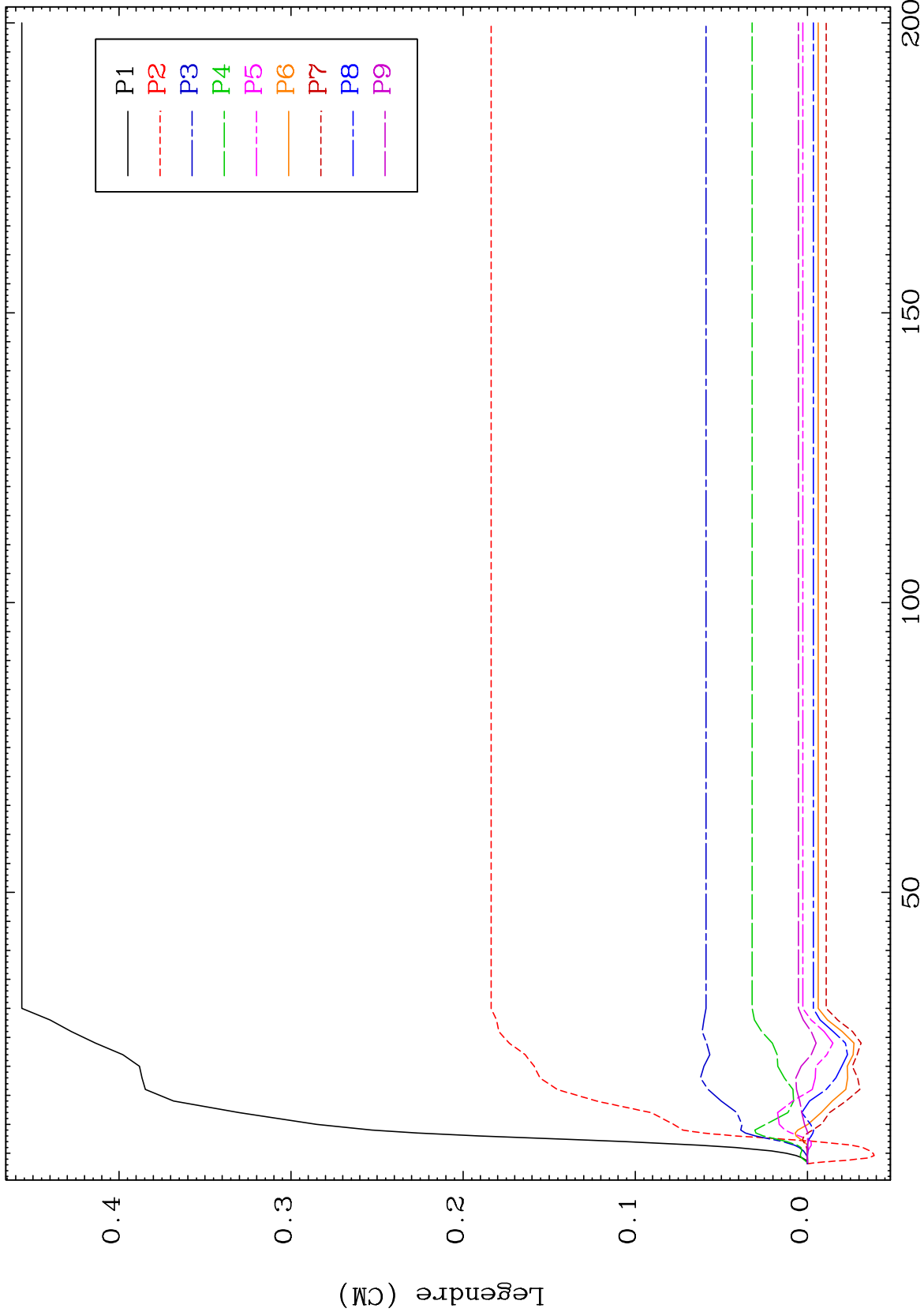
Incident Energy (MeV)

56-Ba-138

MAT 5649

3.155 MeV (n,n') Level
Legendre Coefficients

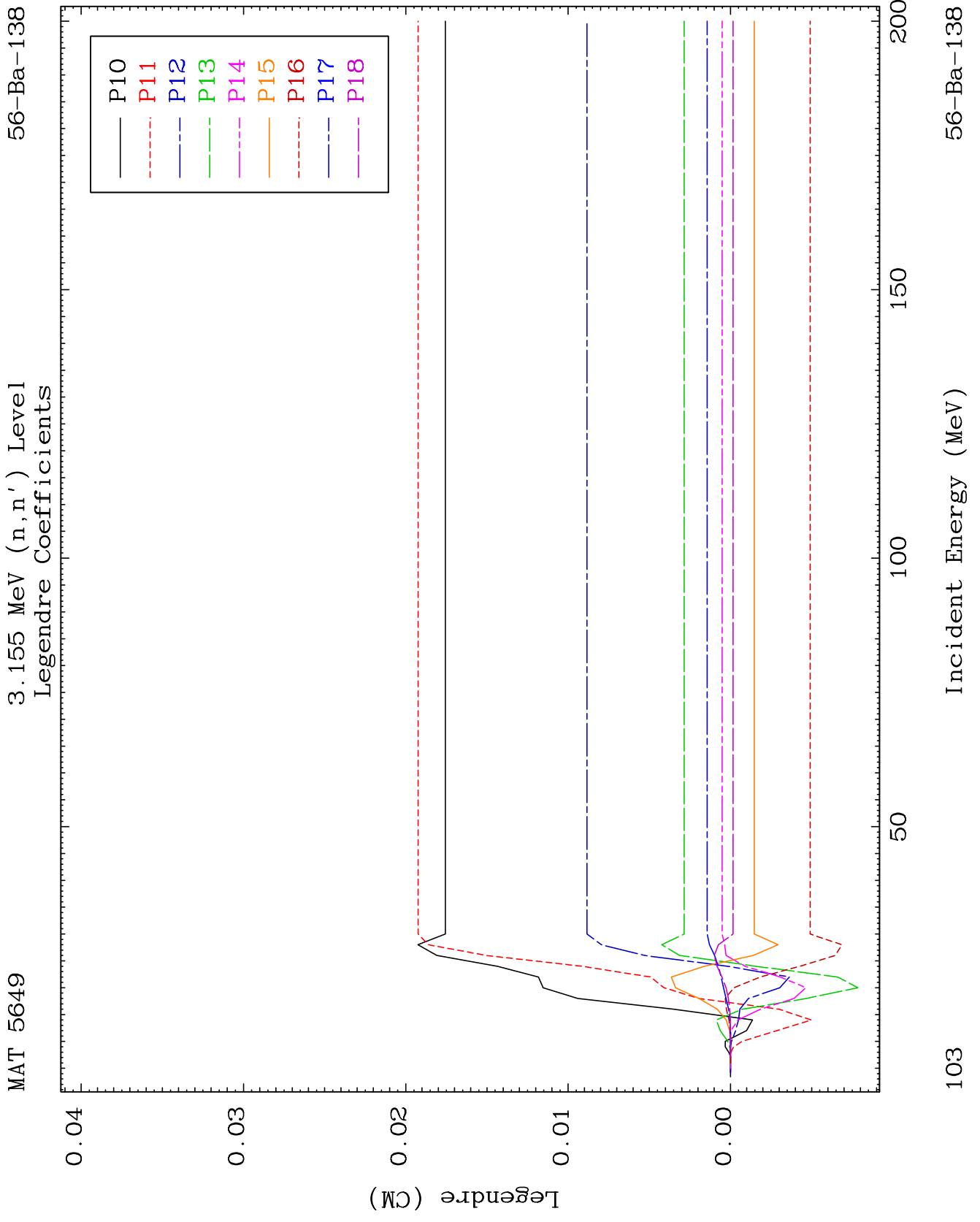
56-Ba-138



102

Incident Energy (MeV)

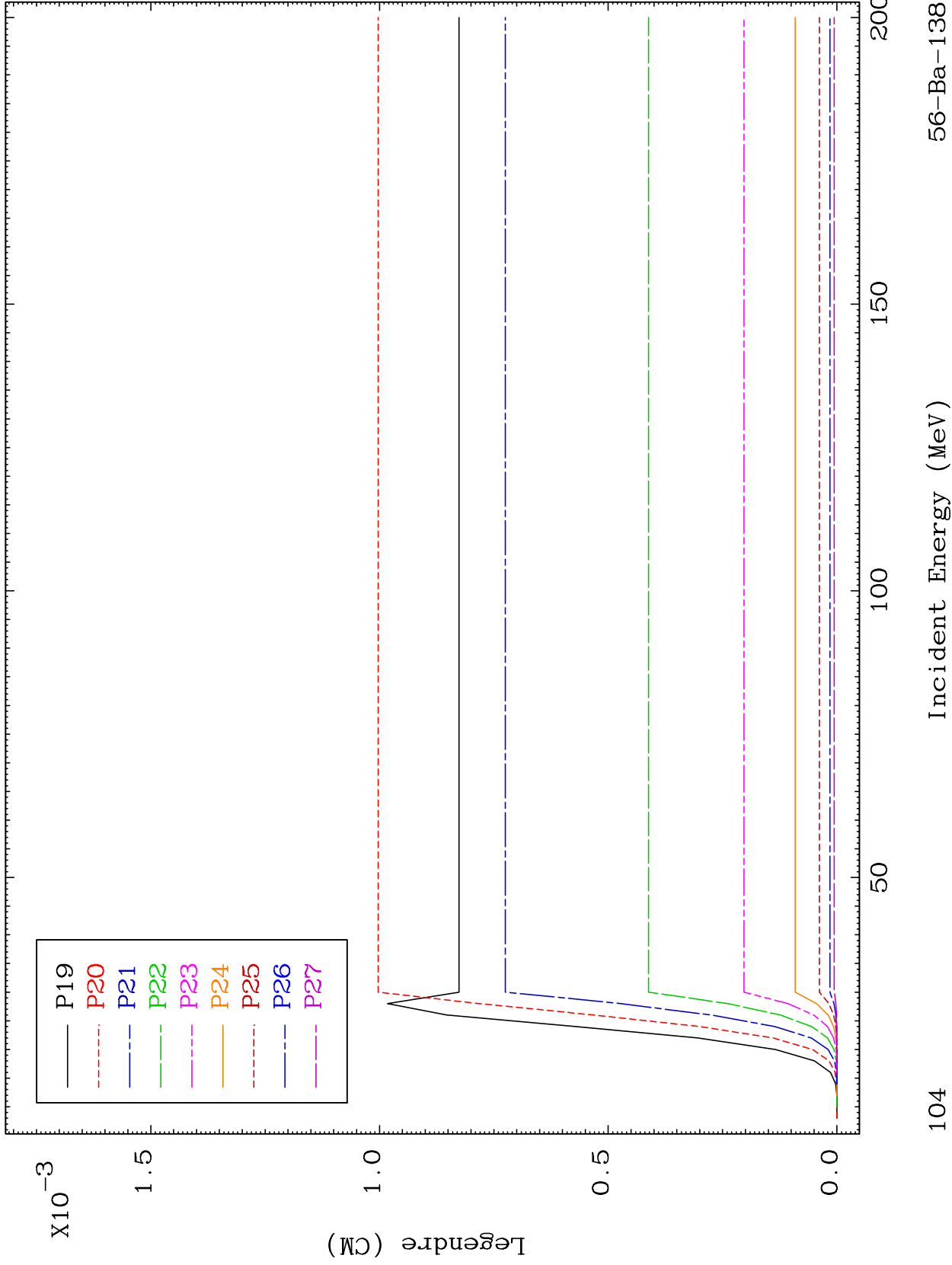
56-Ba-138



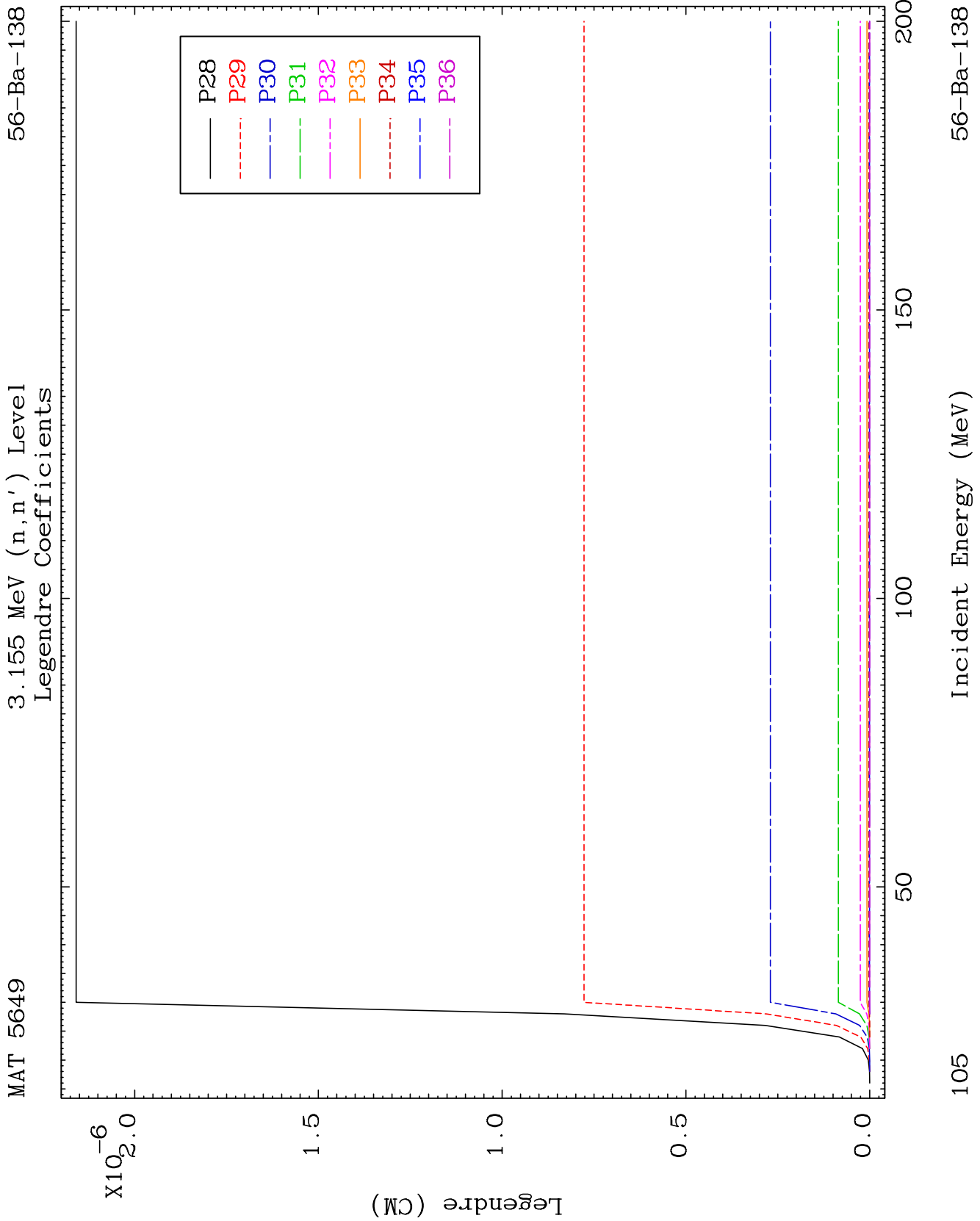
MAT 5649

3.155 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



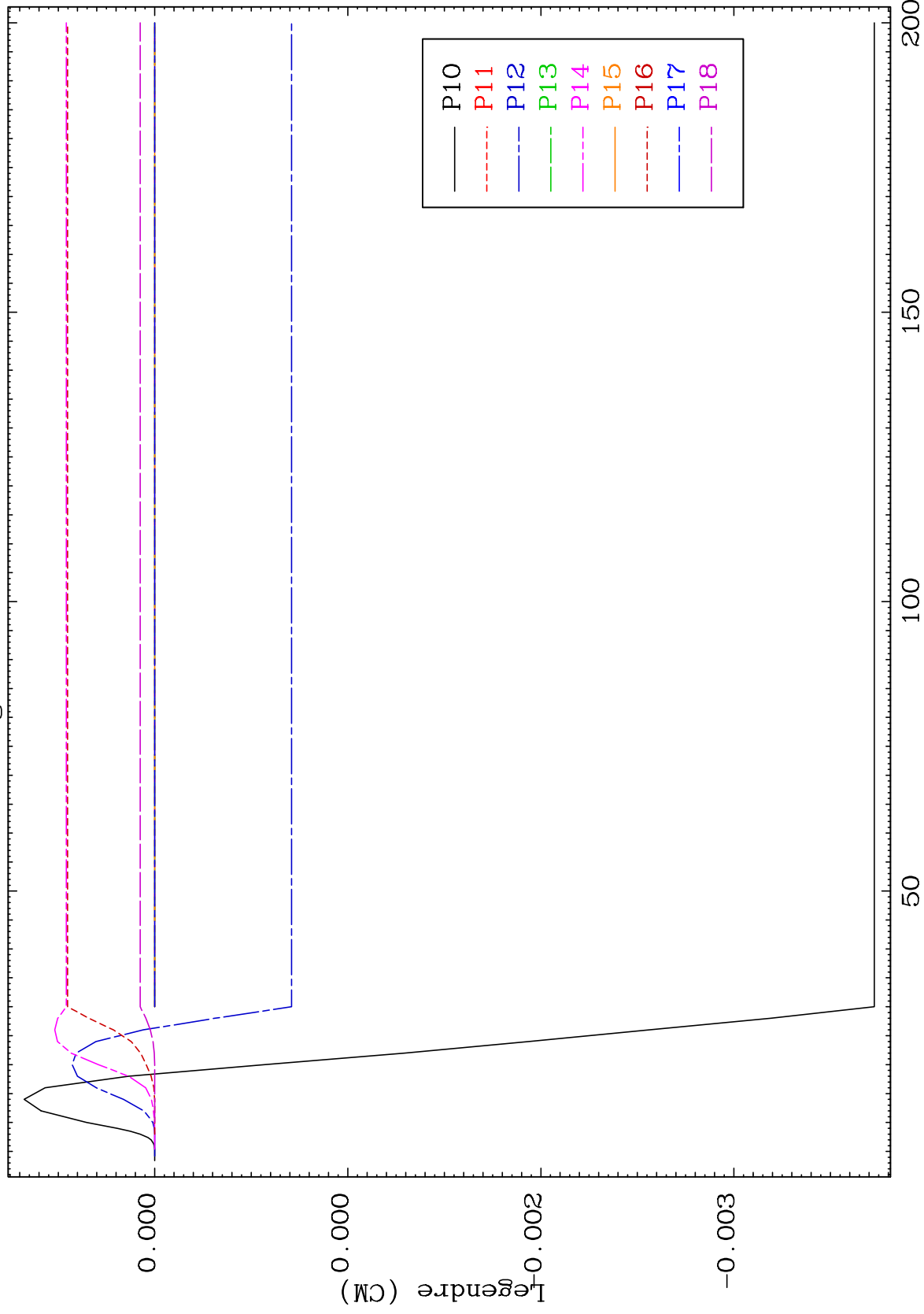
104



MAT 5649

3.163 MeV (n,n') Level
Legendre Coefficients

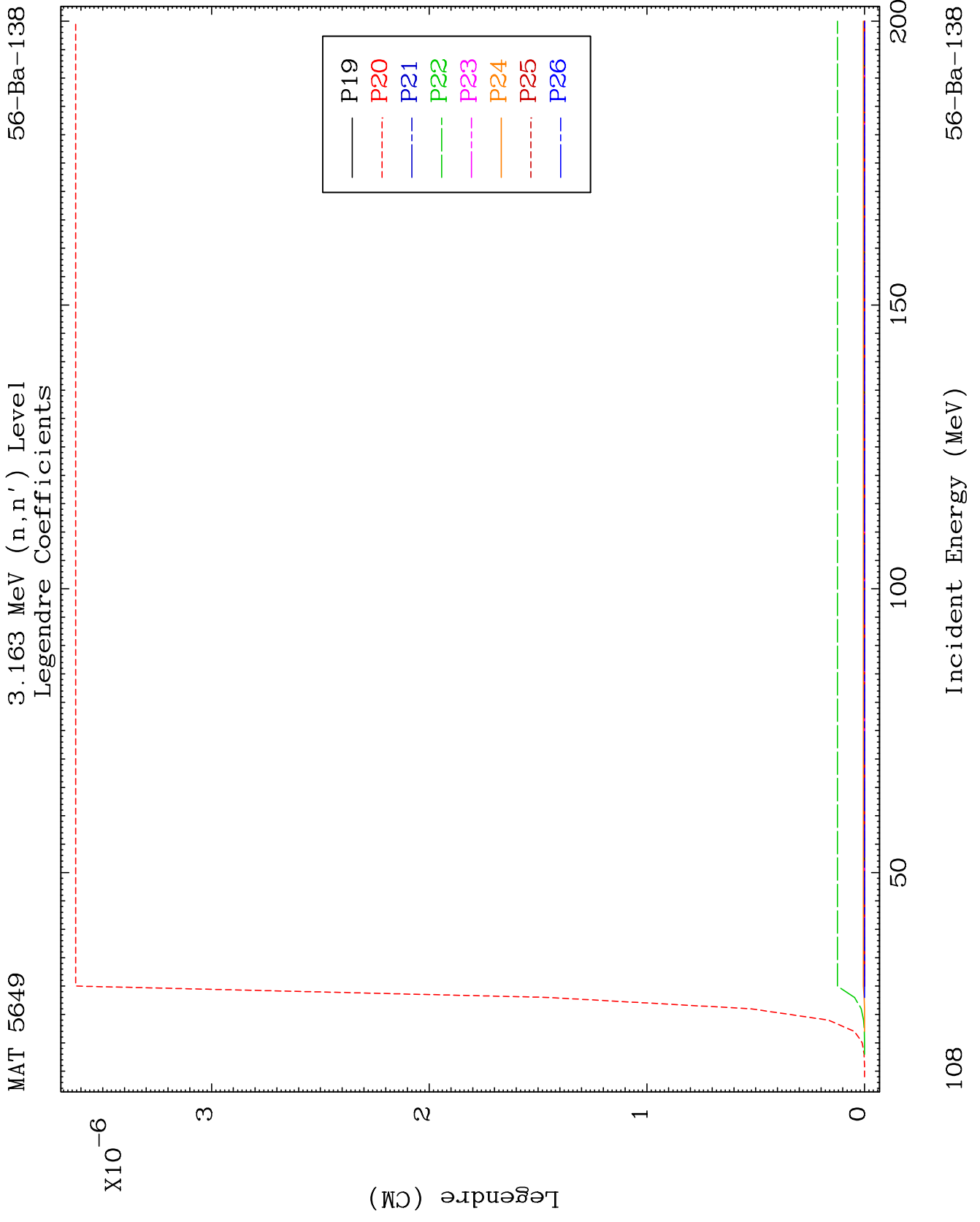
56-Ba-138



107

Incident Energy (MeV)

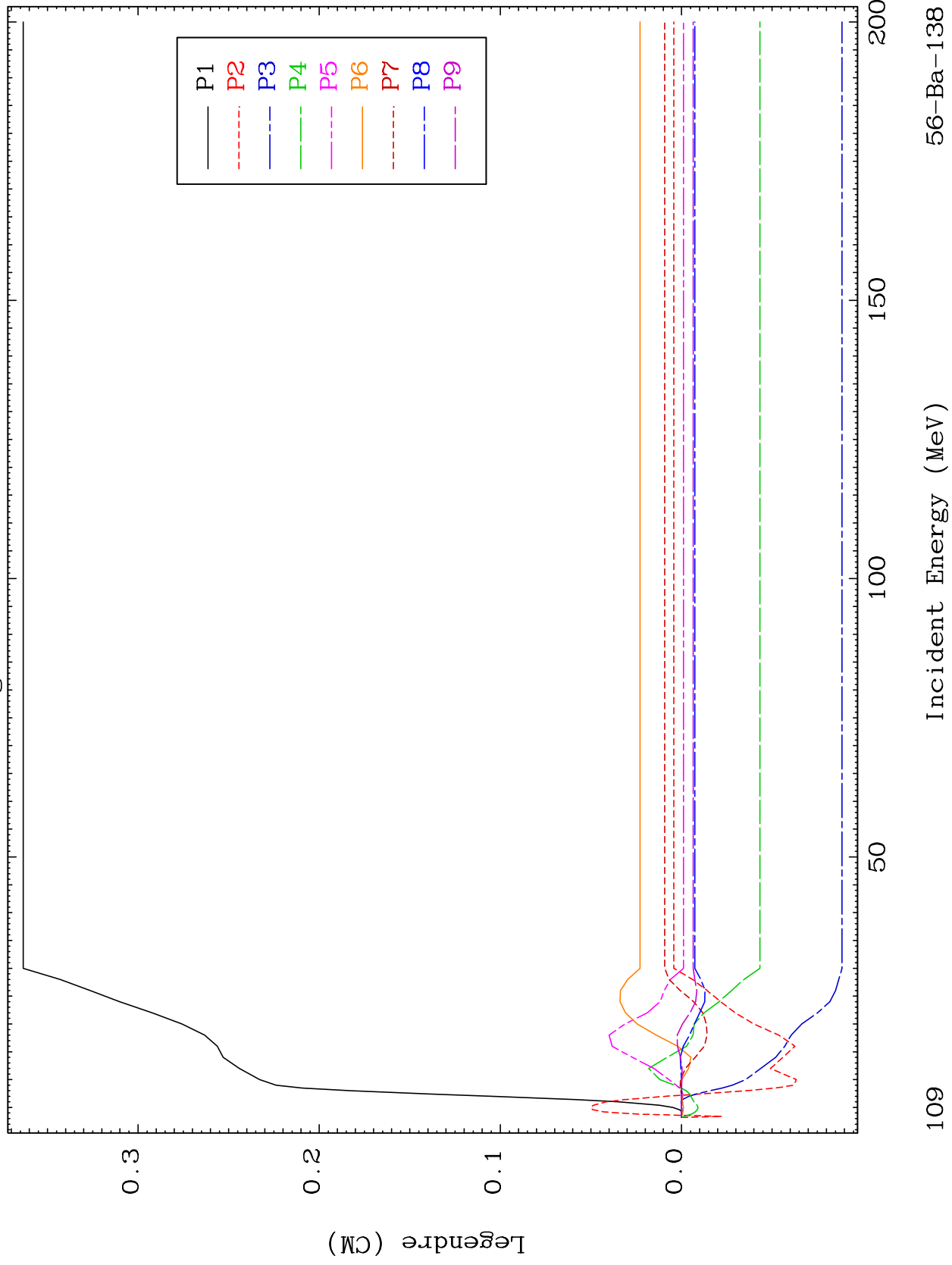
56-Ba-138



MAT 5649

3.184 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



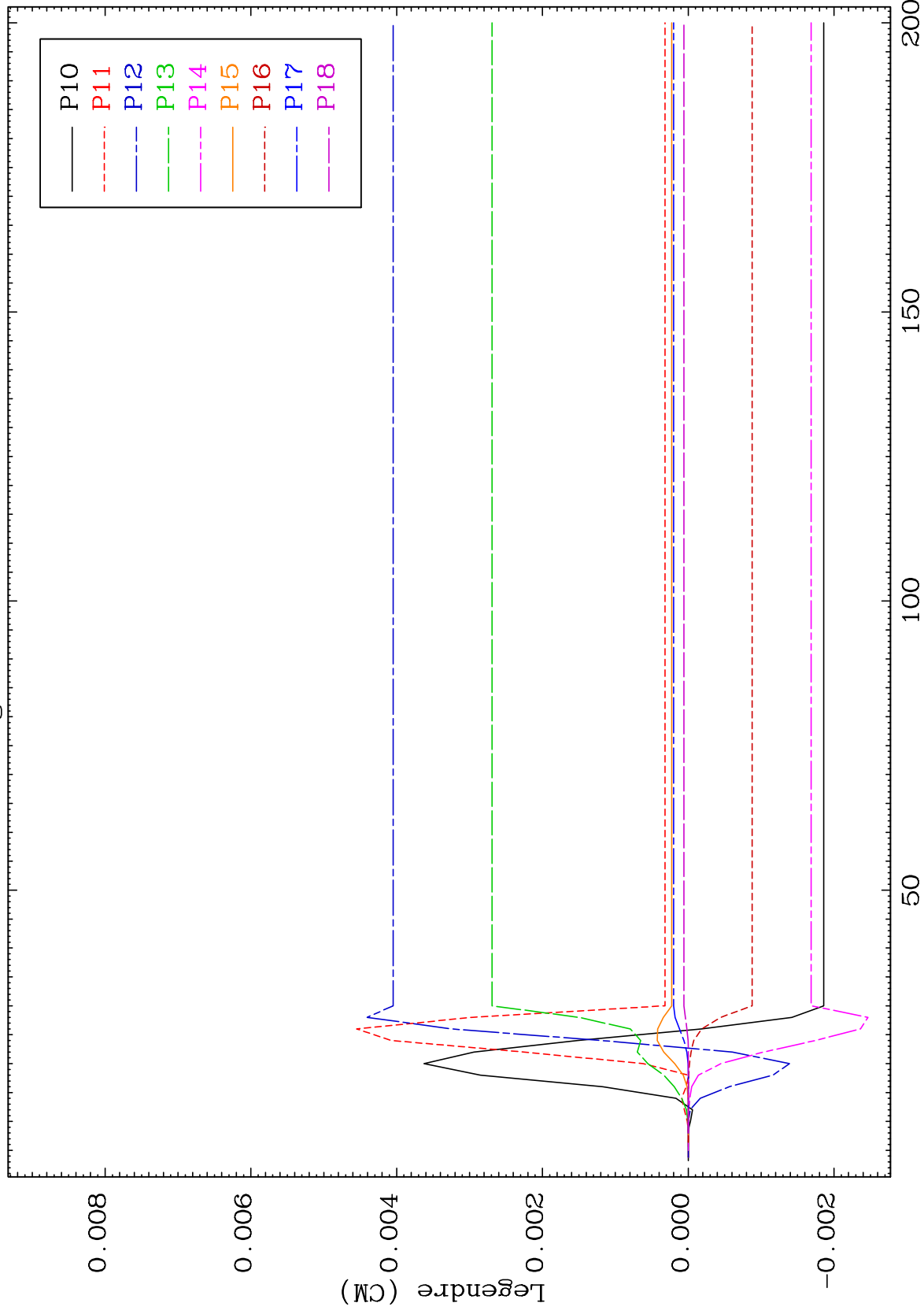
109

56-Ba-138

MAT 5649

3.184 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



110

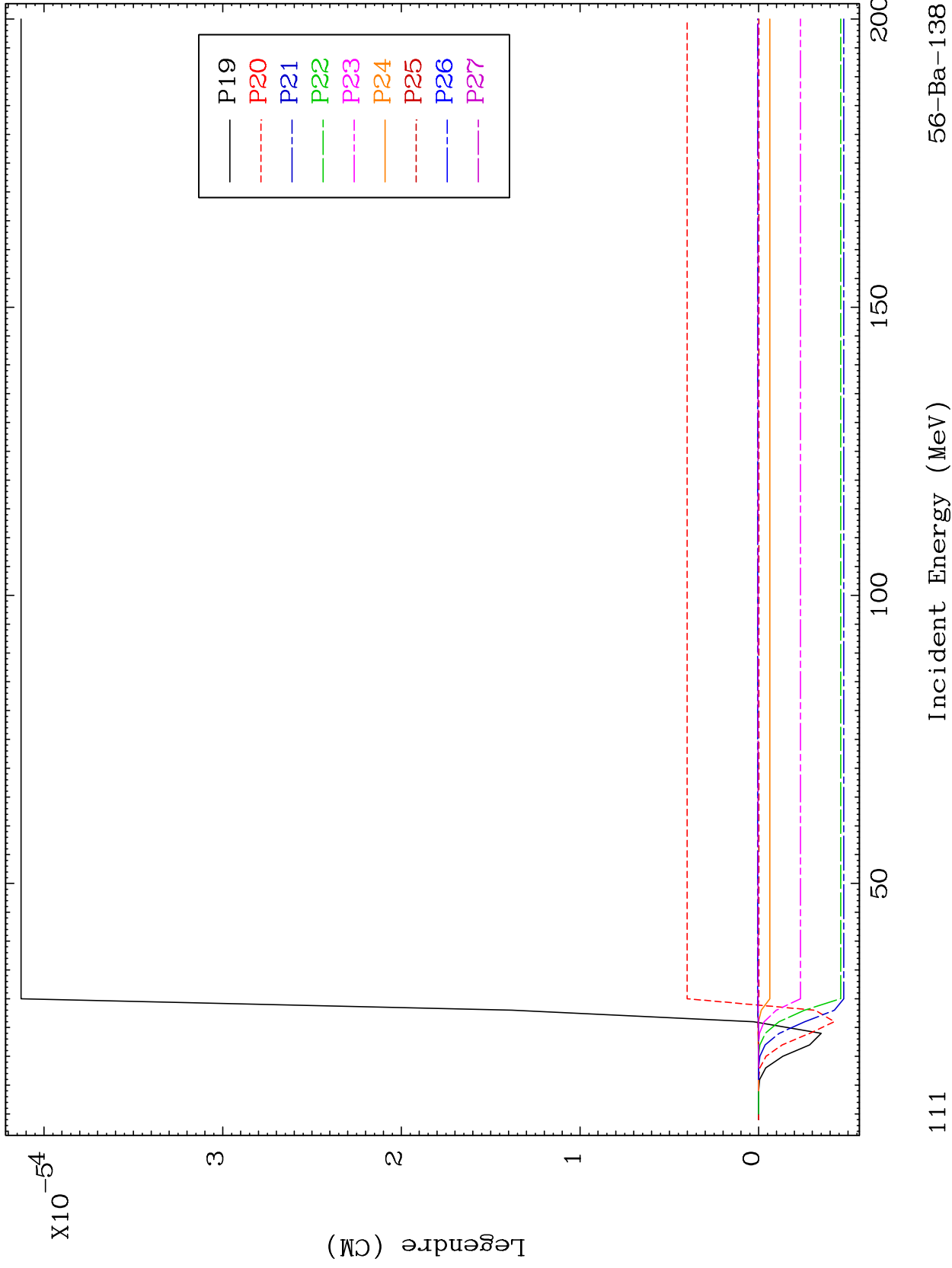
Incident Energy (MeV)

56-Ba-138

MAT 5649

3.184 MeV (n, n') Level
Legendre Coefficients

56-Ba-138



111

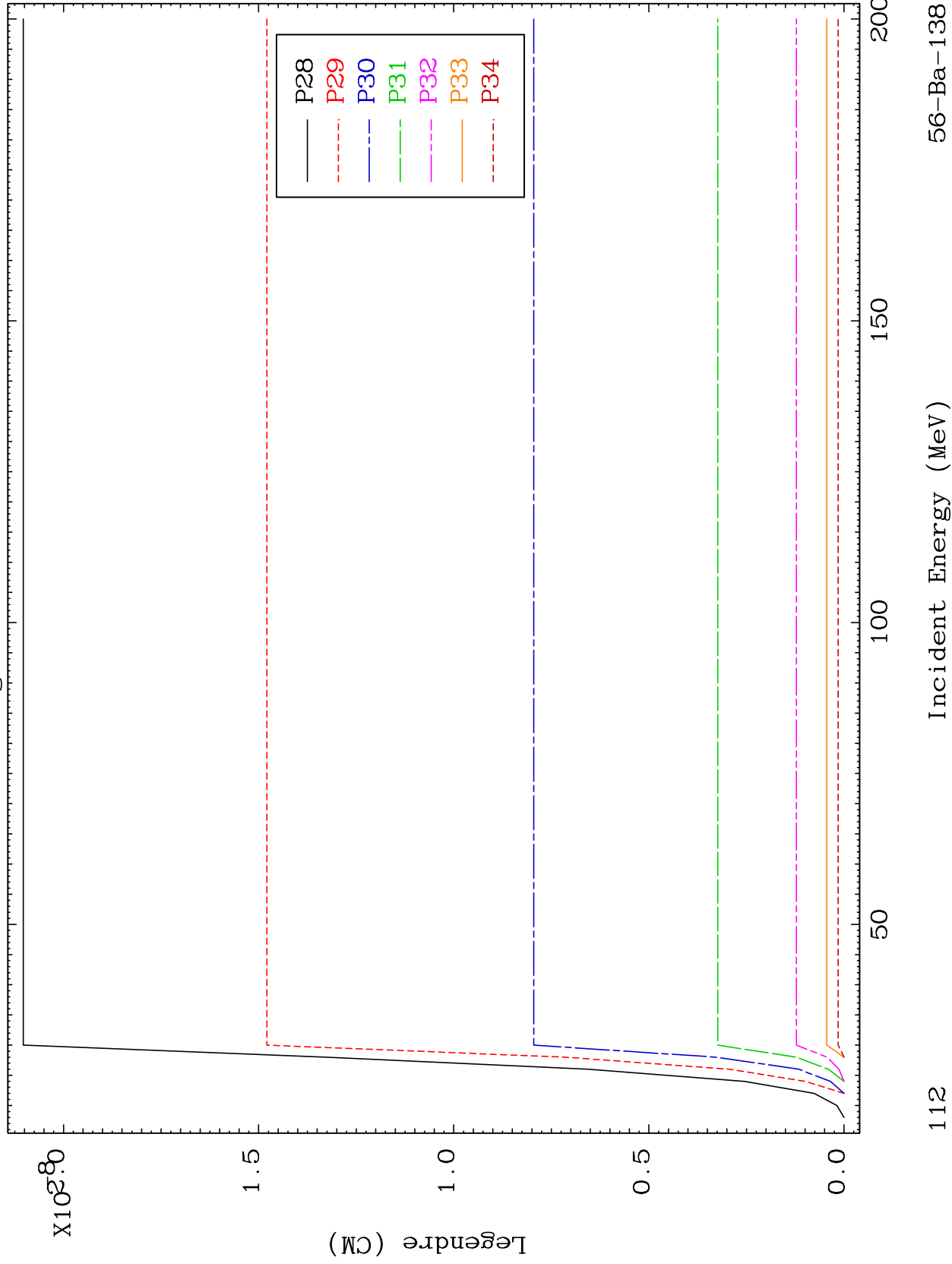
Incident Energy (MeV)

56-Ba-138

MAT 5649

3.184 MeV (n,n') Level
Legendre Coefficients

56-Ba-138



112

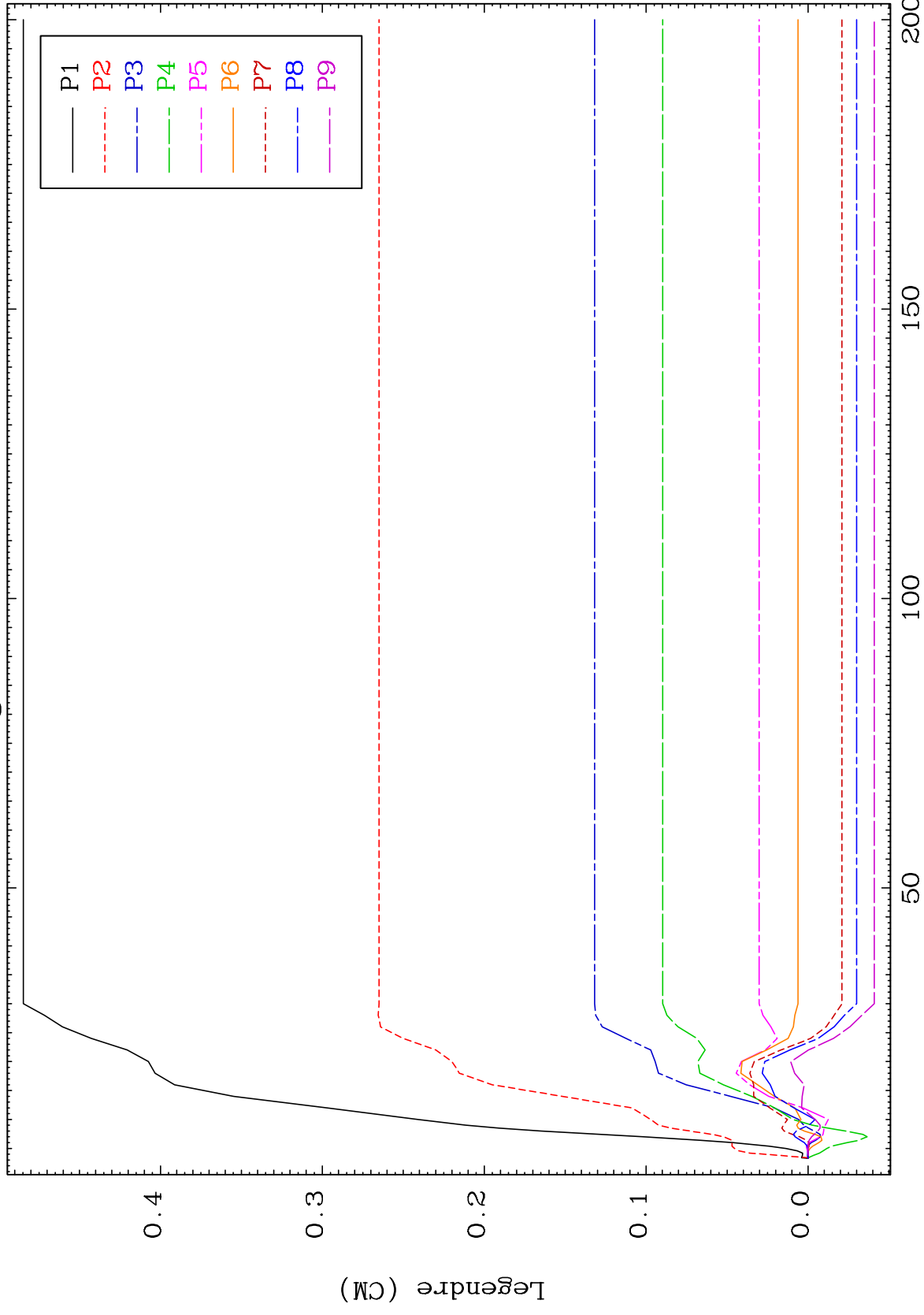
Incident Energy (MeV)

56-Ba-138

MAT 5649

3.243 MeV (n,n') Level
Legendre Coefficients

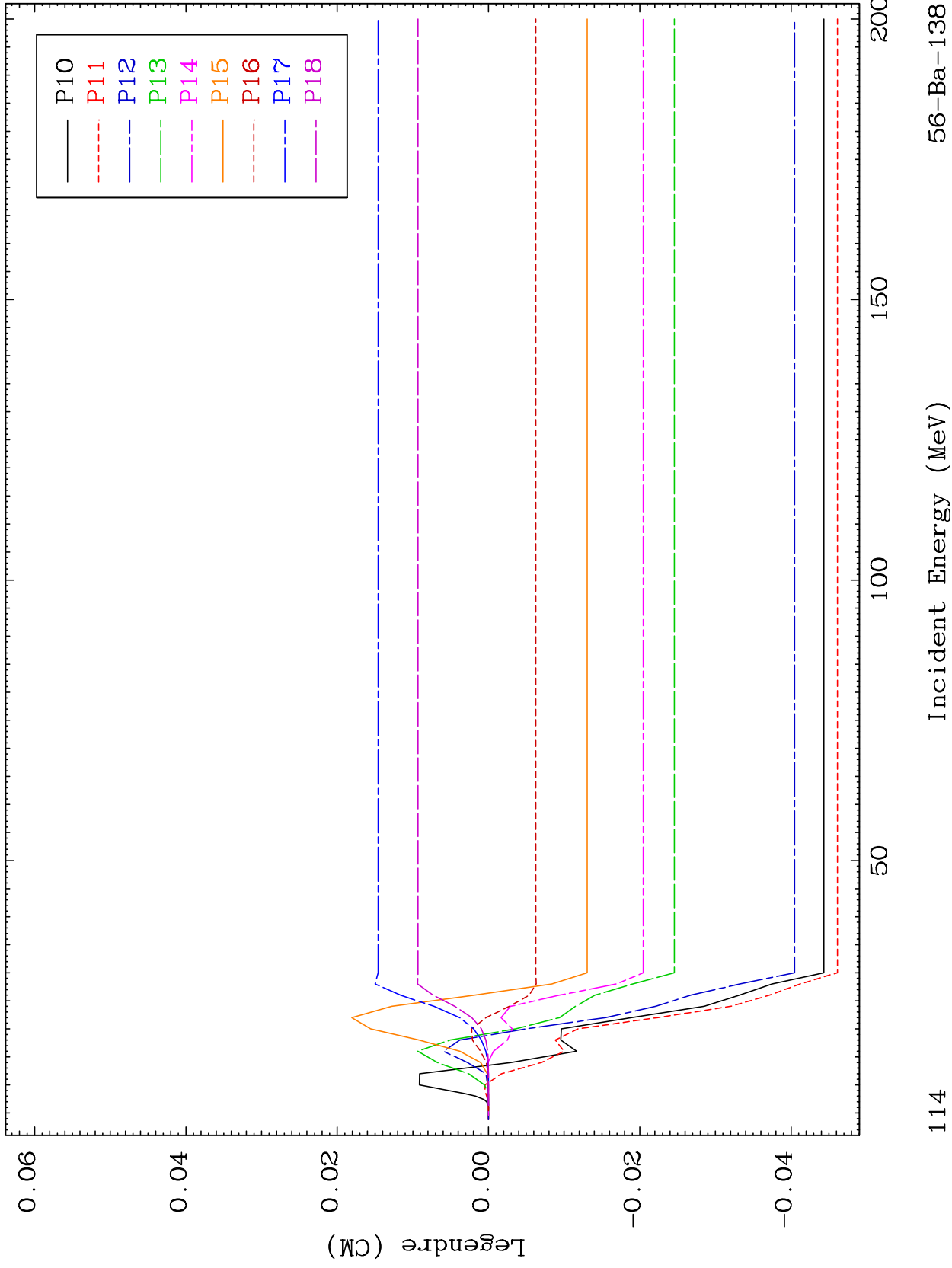
56-Ba-138



113

Incident Energy (MeV)

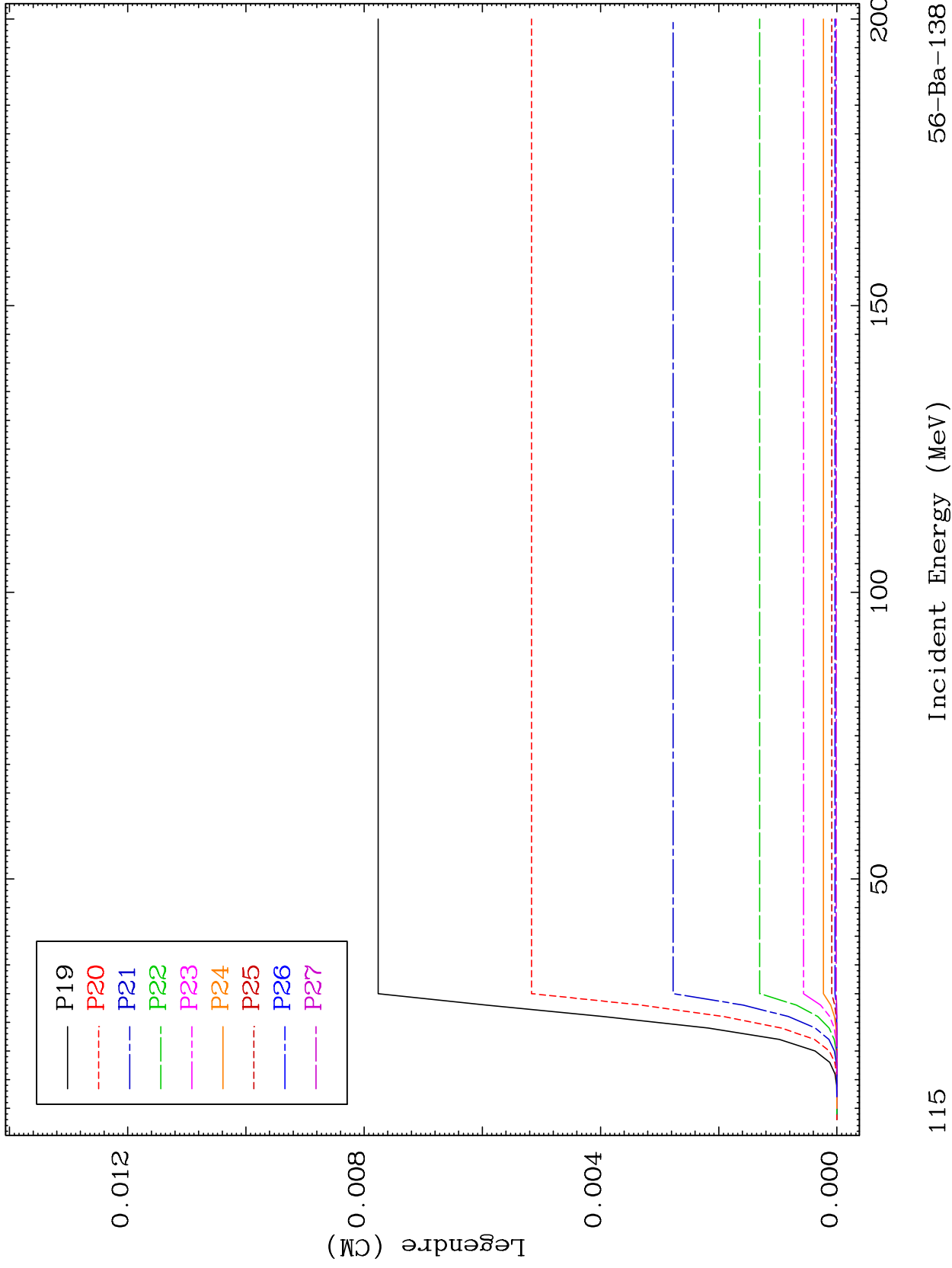
56-Ba-138



MAT 5649

3.243 MeV (n,n') Level
Legendre Coefficients

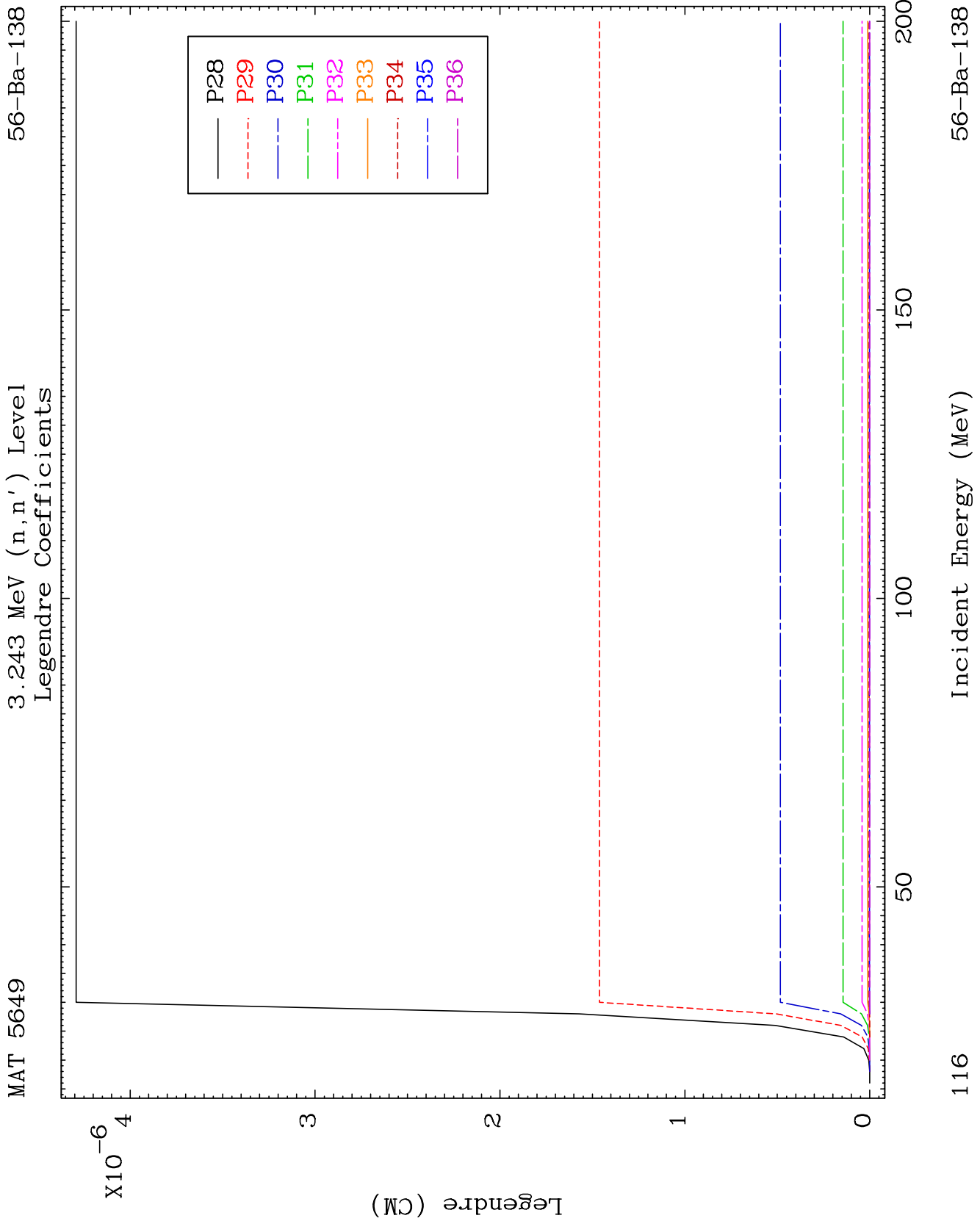
56-Ba-138

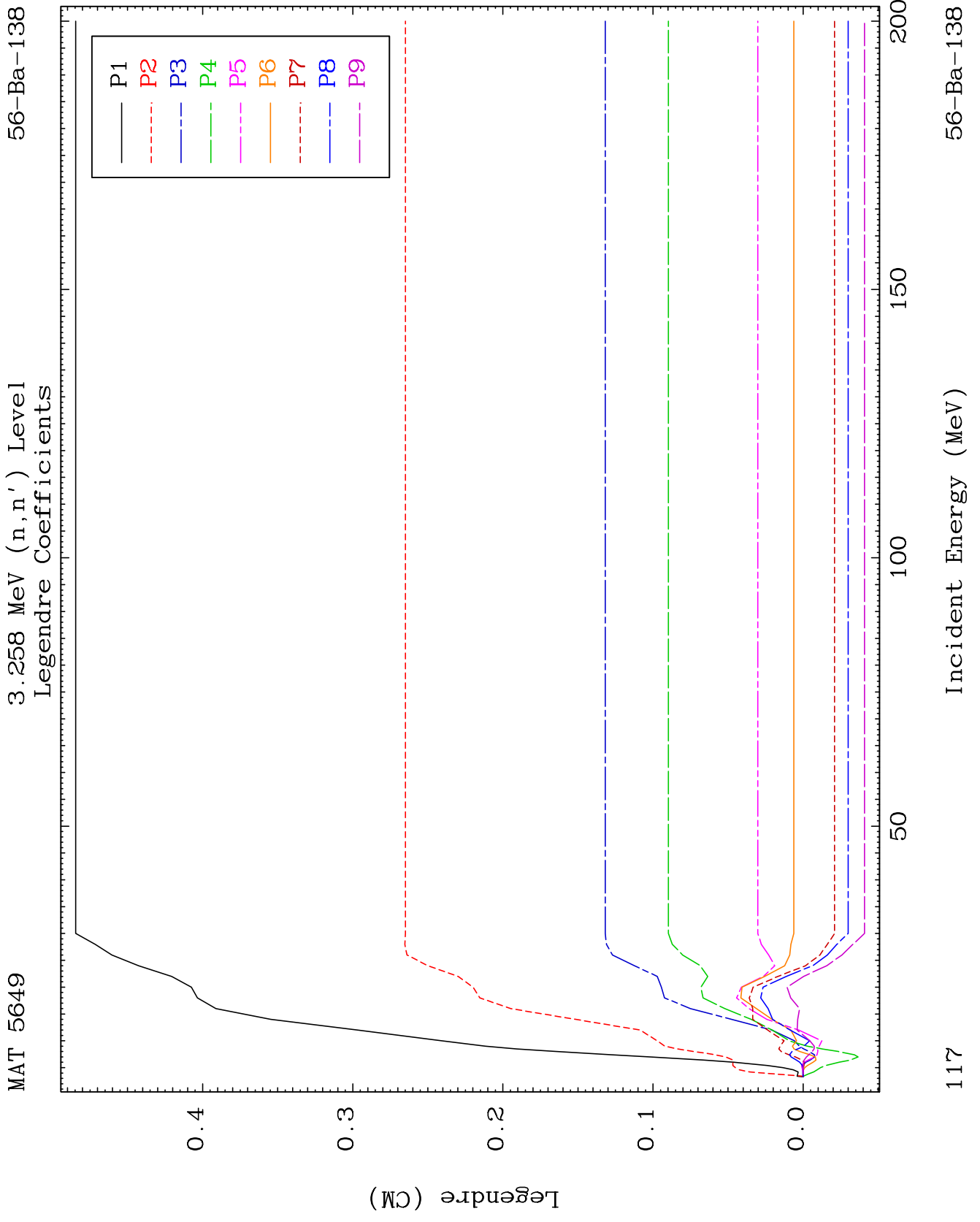


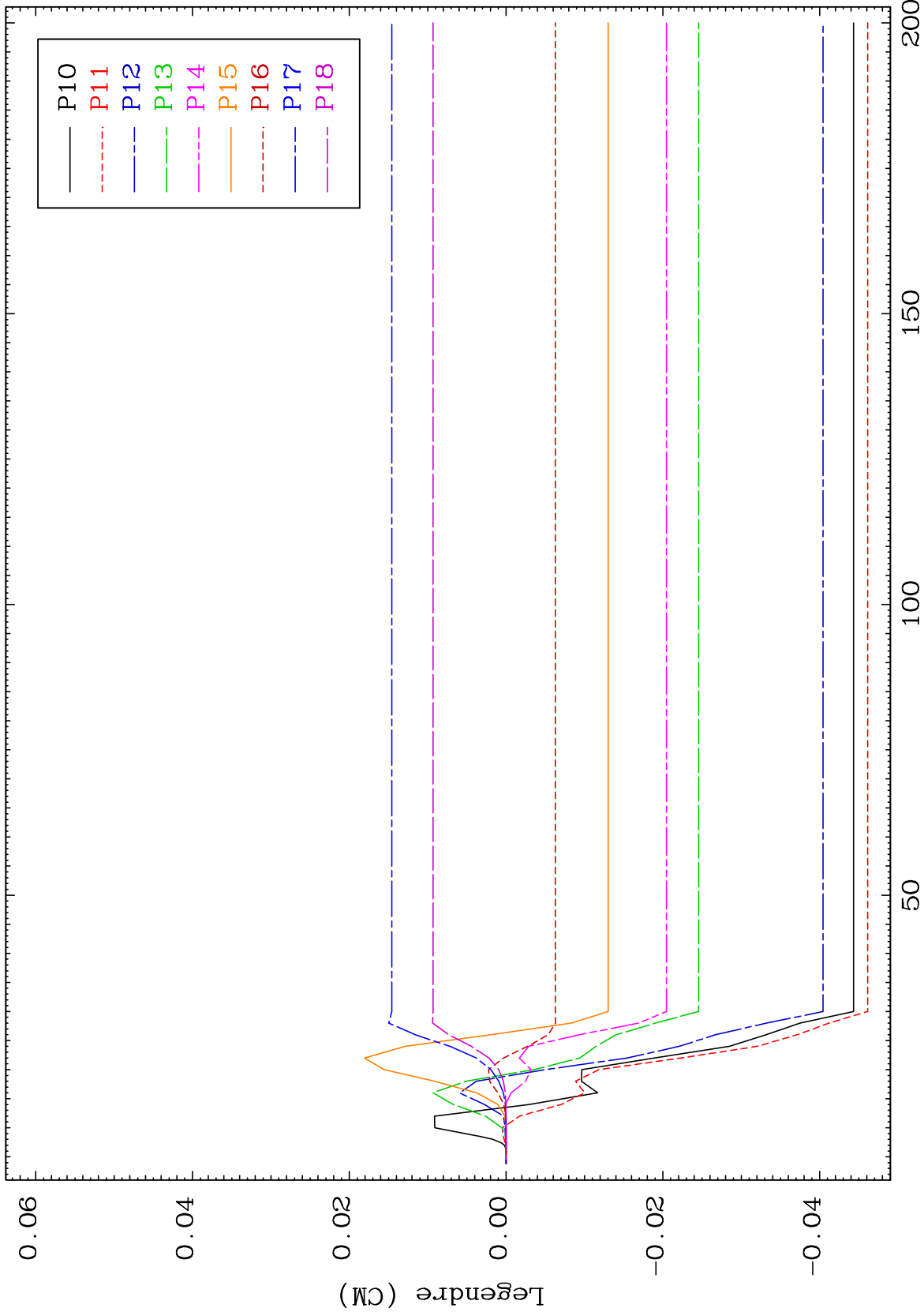
115

Incident Energy (MeV)

56-Ba-138



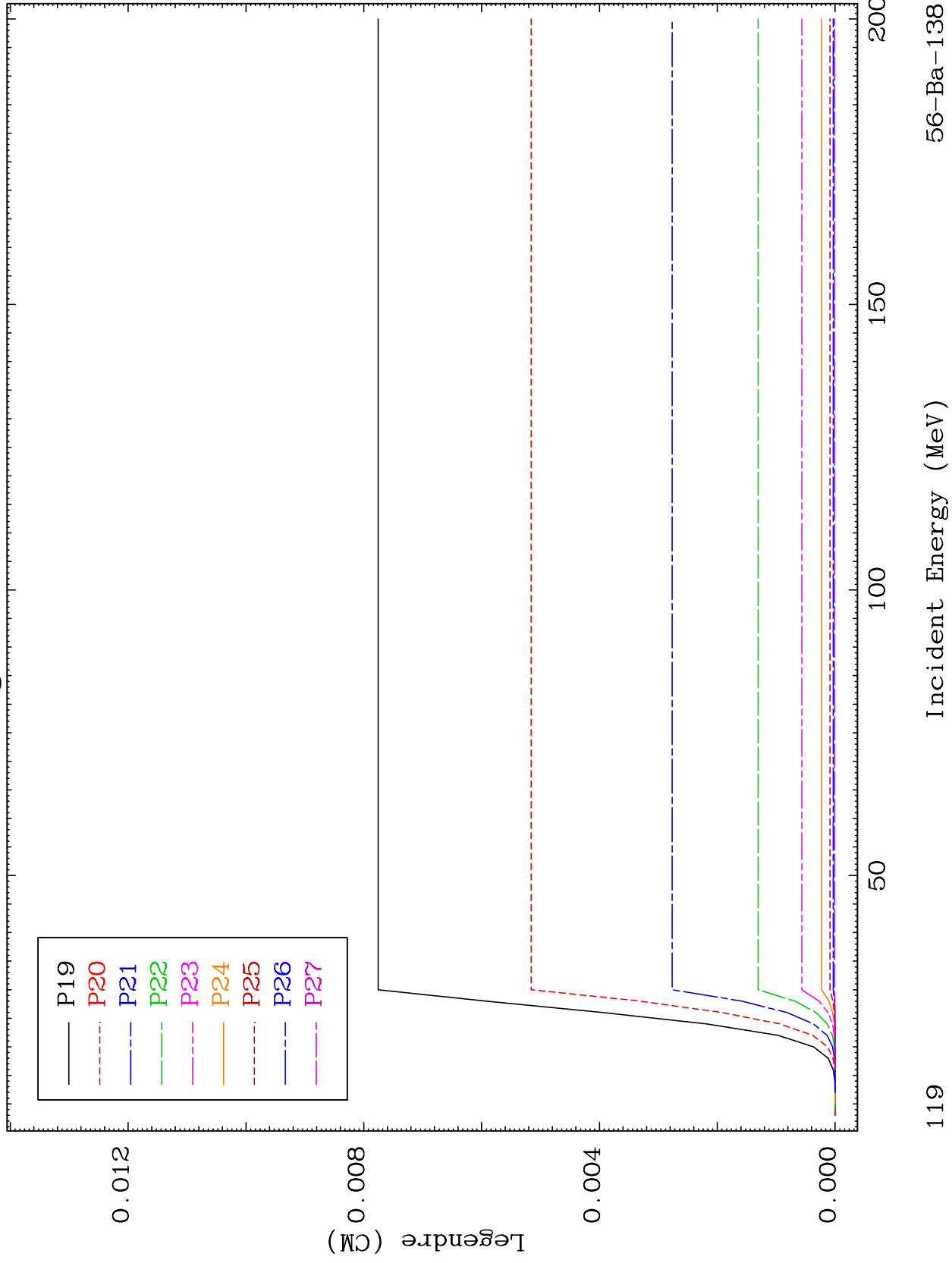




MAT 5649

3.258 MeV (n, n') Level
Legendre Coefficients

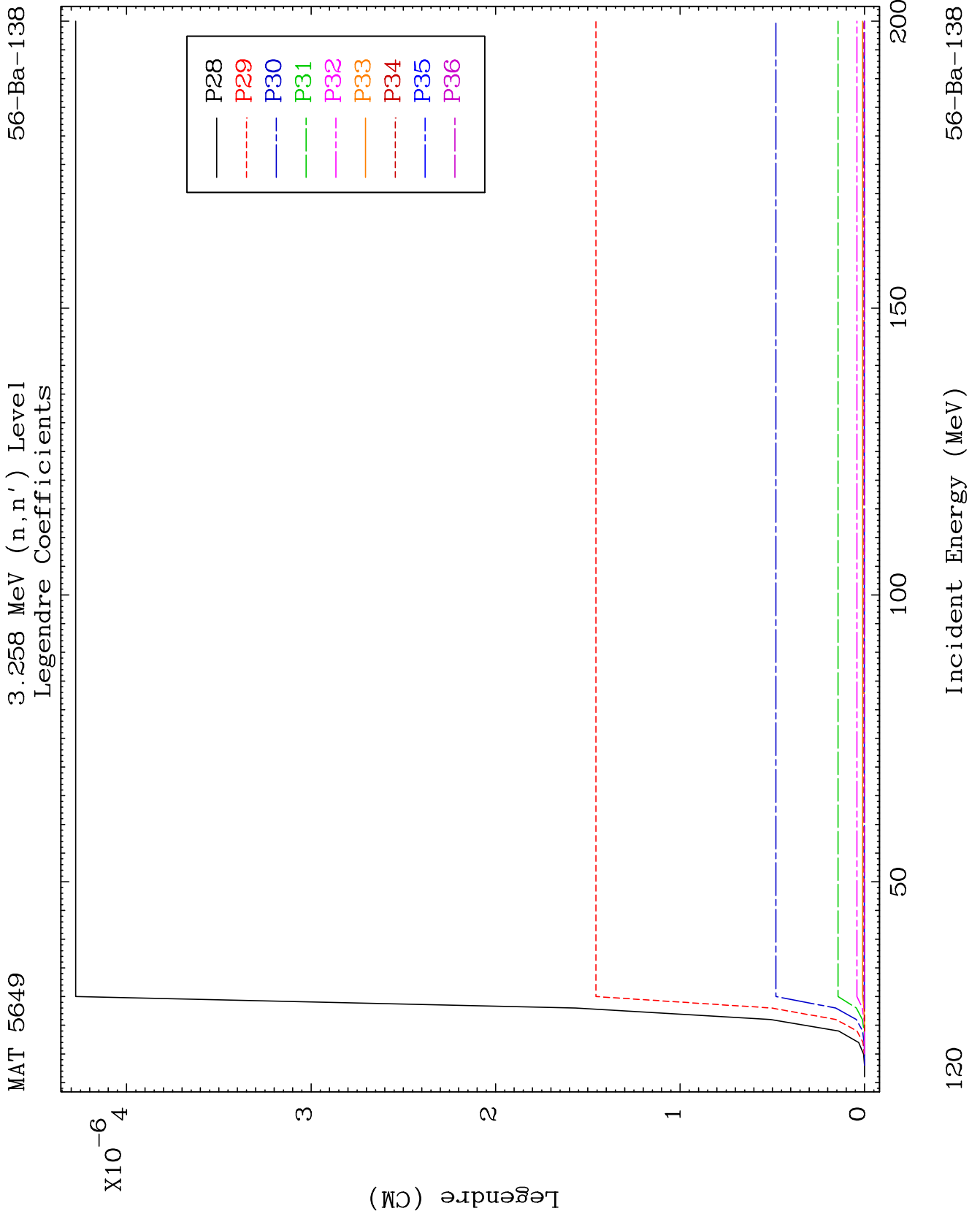
56-Ba-138

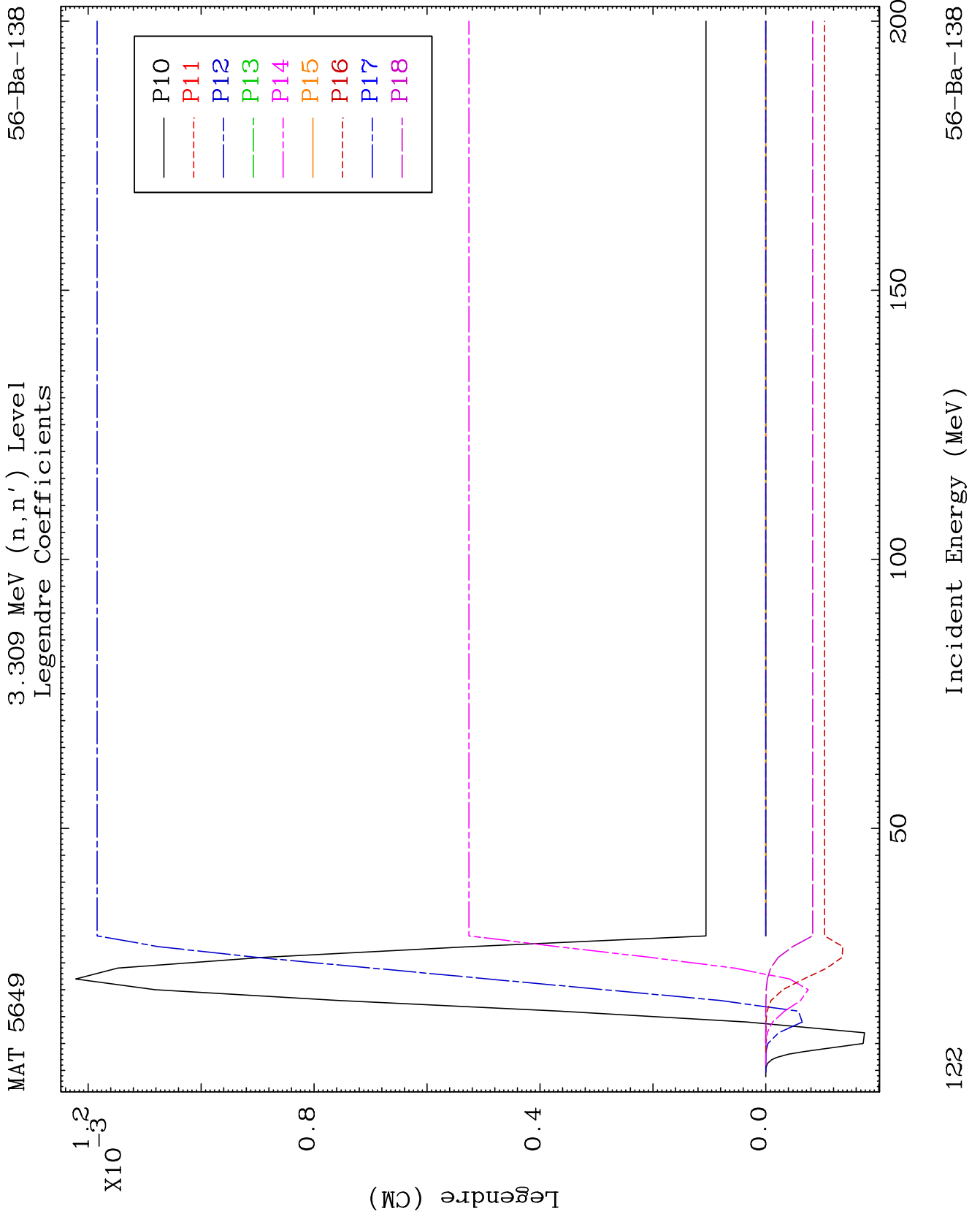


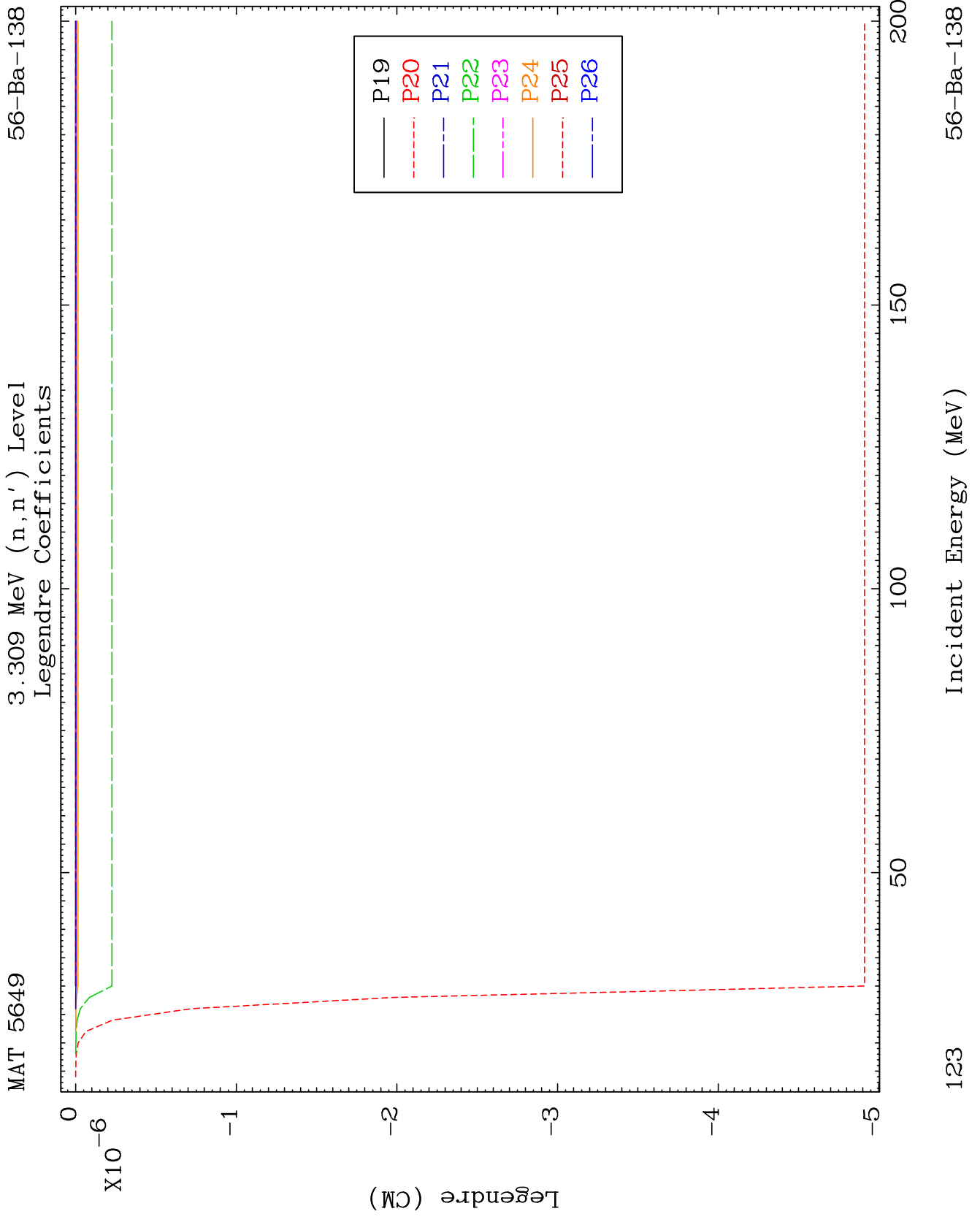
119

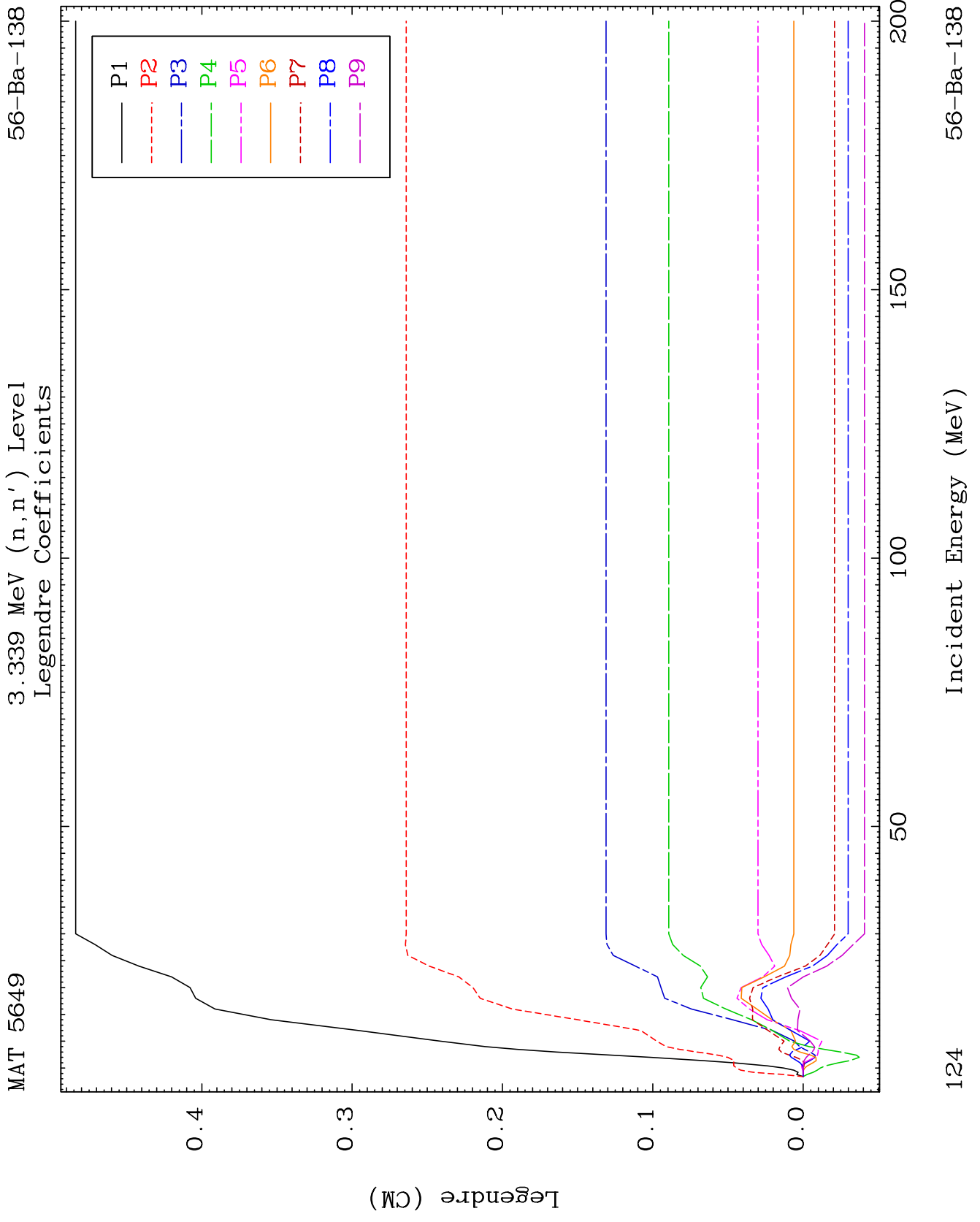
Incident Energy (MeV)

56-Ba-138





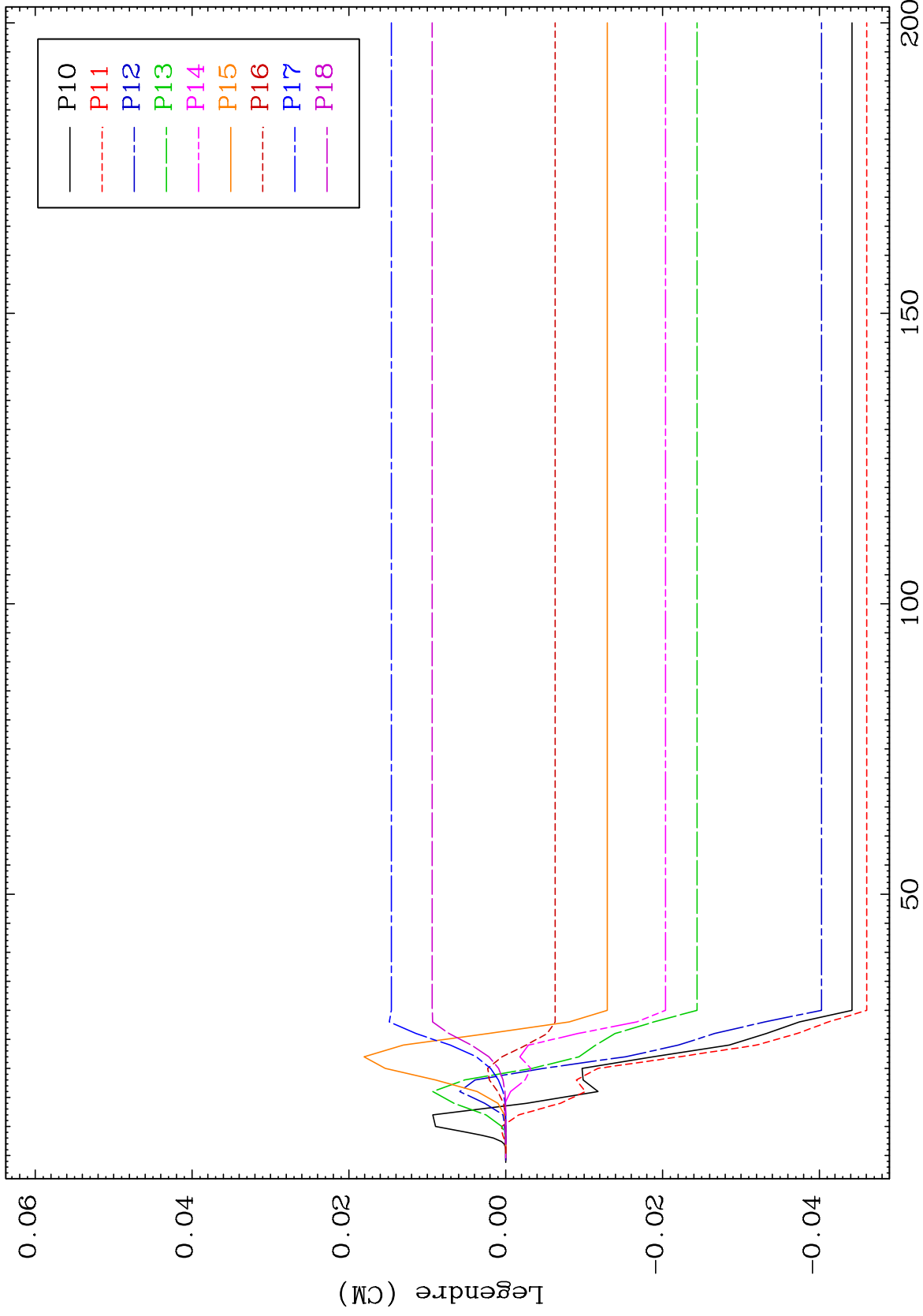




MAT 5649

3.339 MeV (n,n') Level
Legendre Coefficients

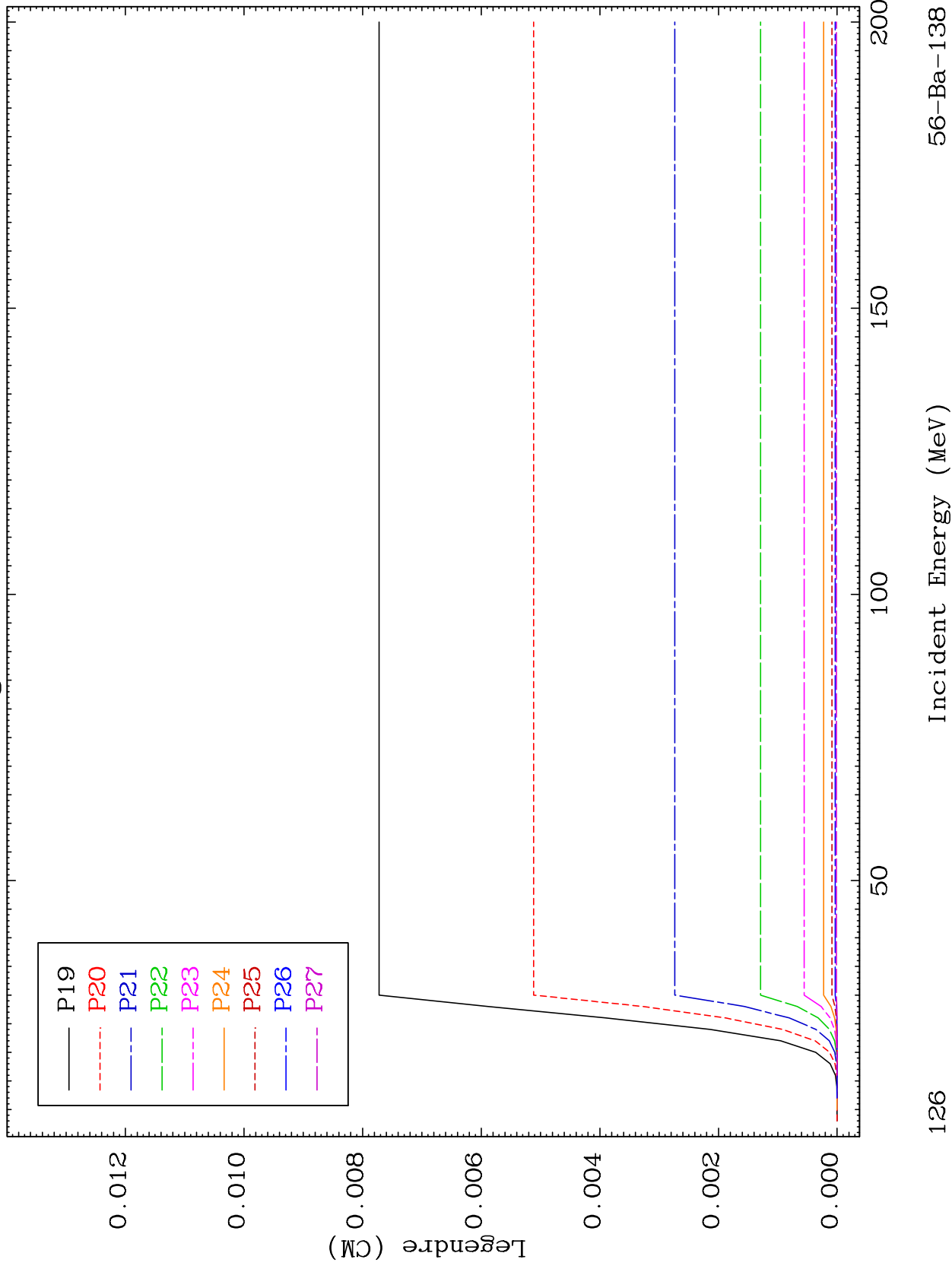
56-Ba-138



125

Incident Energy (MeV)

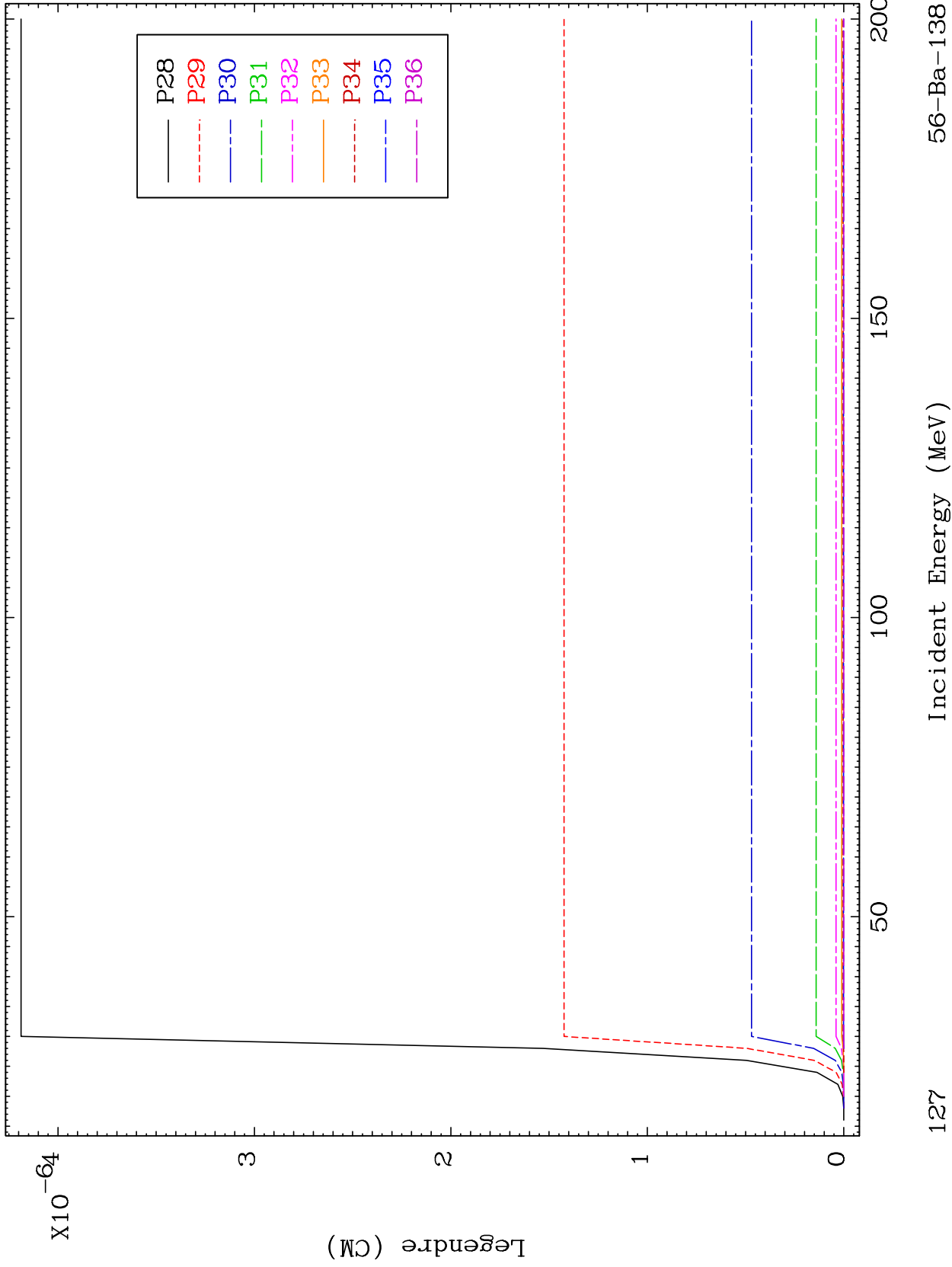
56-Ba-138

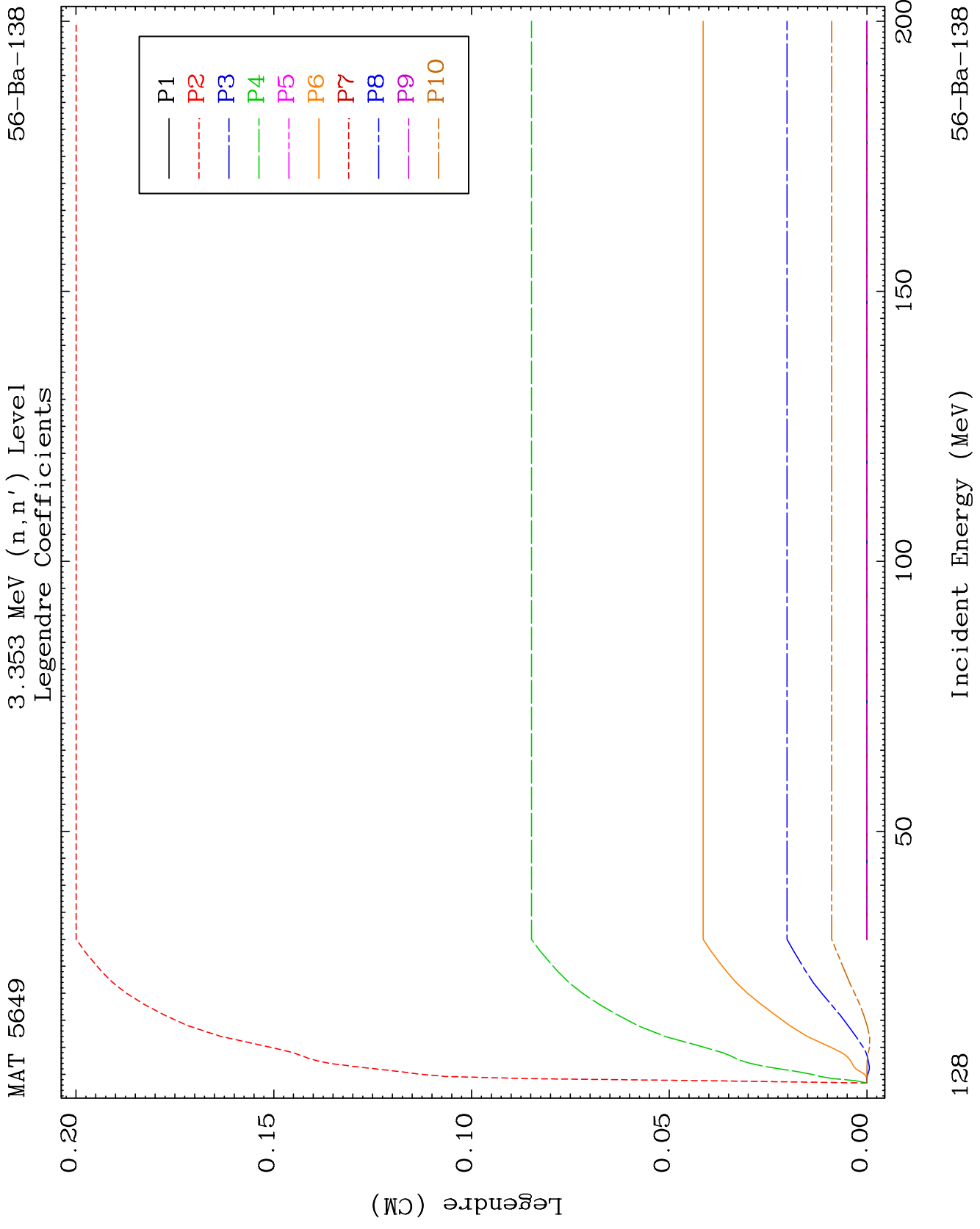


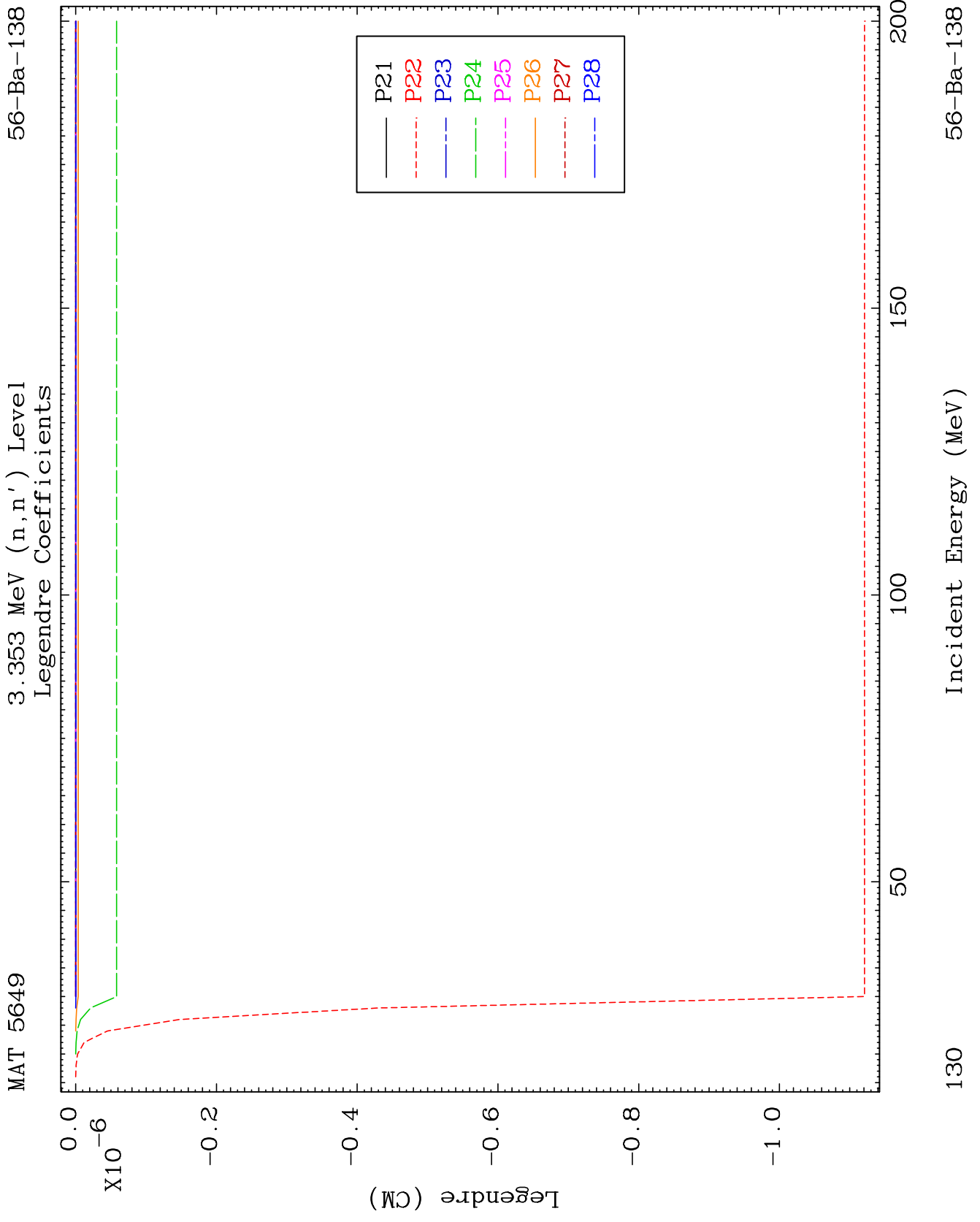
MAT 5649

3.339 MeV (n,n') Level
Legendre Coefficients

56-Ba-138





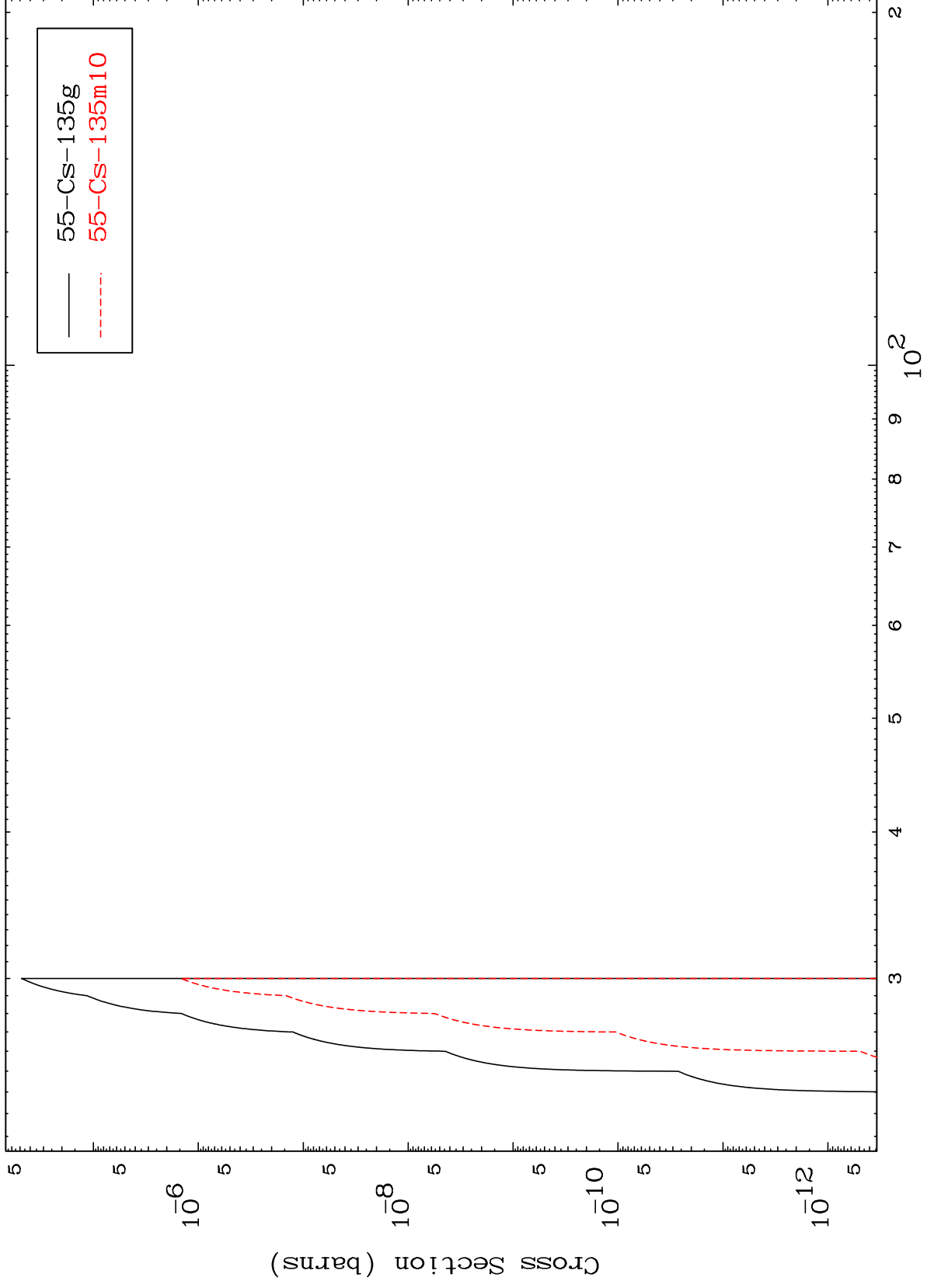


MAT 5649

(n,2n) d

56-Ba-138

Radionuclide Production Cross Section



131

Incident Energy (MeV)

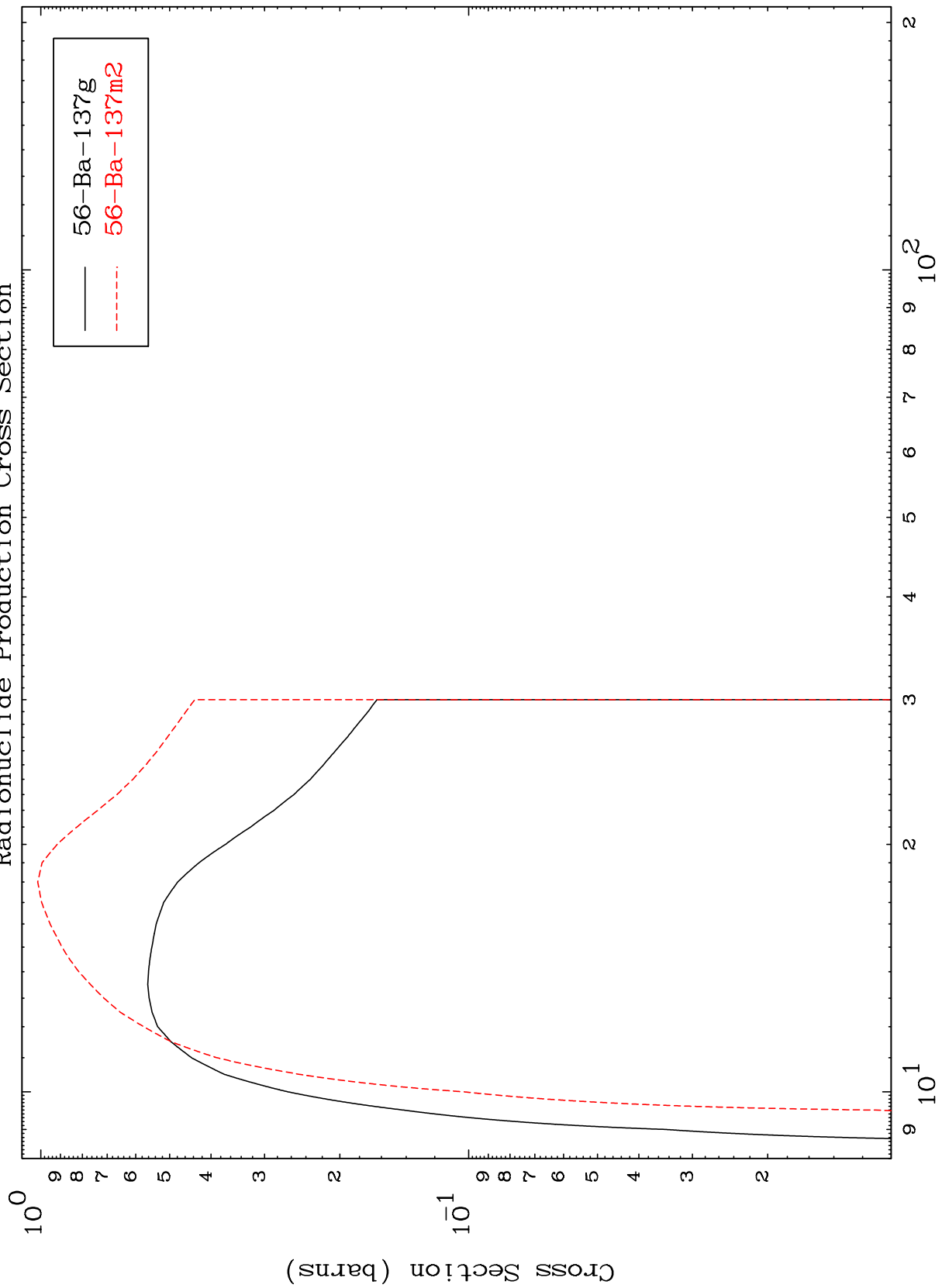
56-Ba-138

MAT 5649

56-Ba-138

(n,2n)

Radionuclide Production Cross Section



56-Ba-138

Incident Energy (MeV)

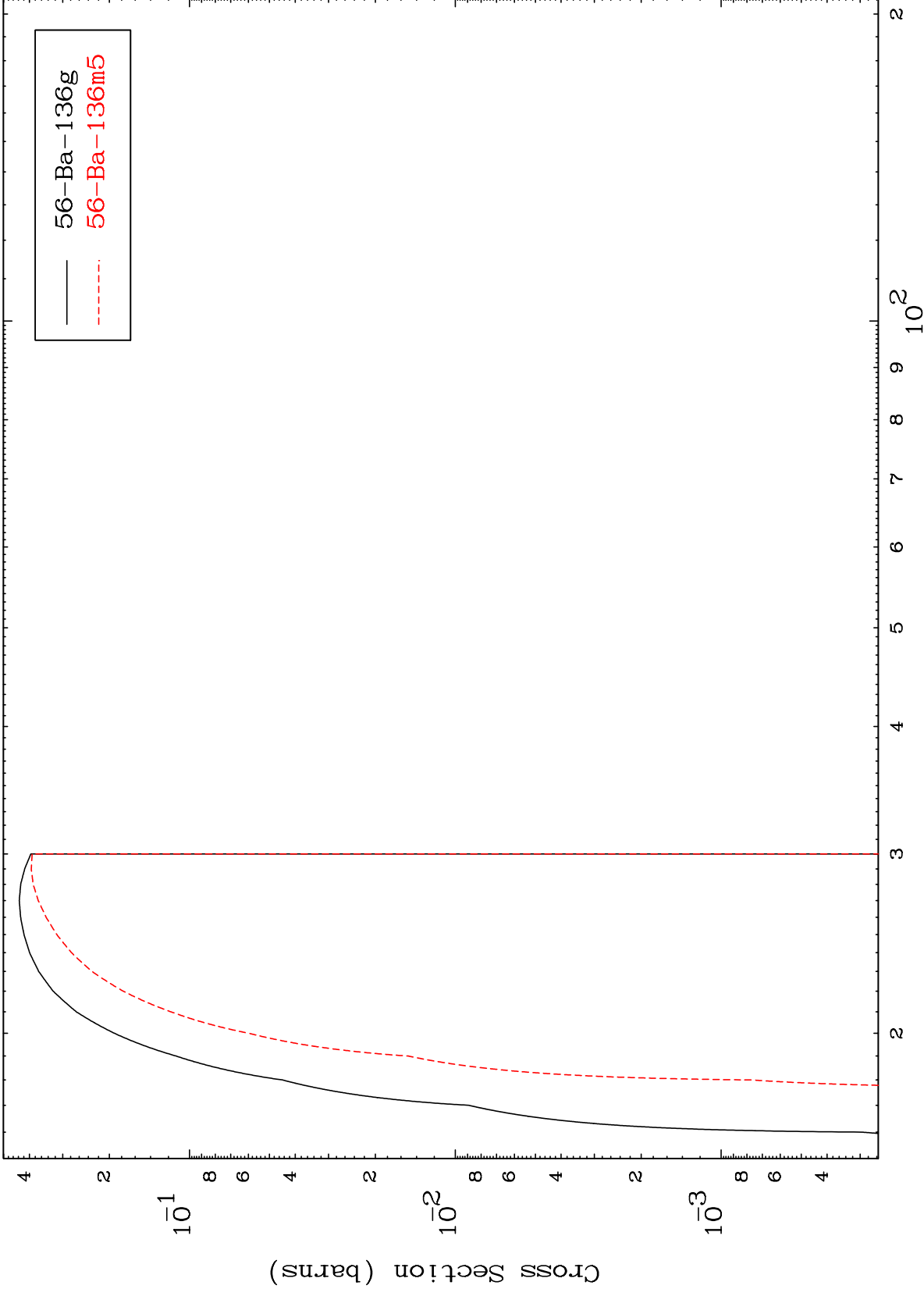
132

MAT 5649

(n,3n)

56-Ba-138

Radionuclide Production Cross Section



133

Incident Energy (MeV)

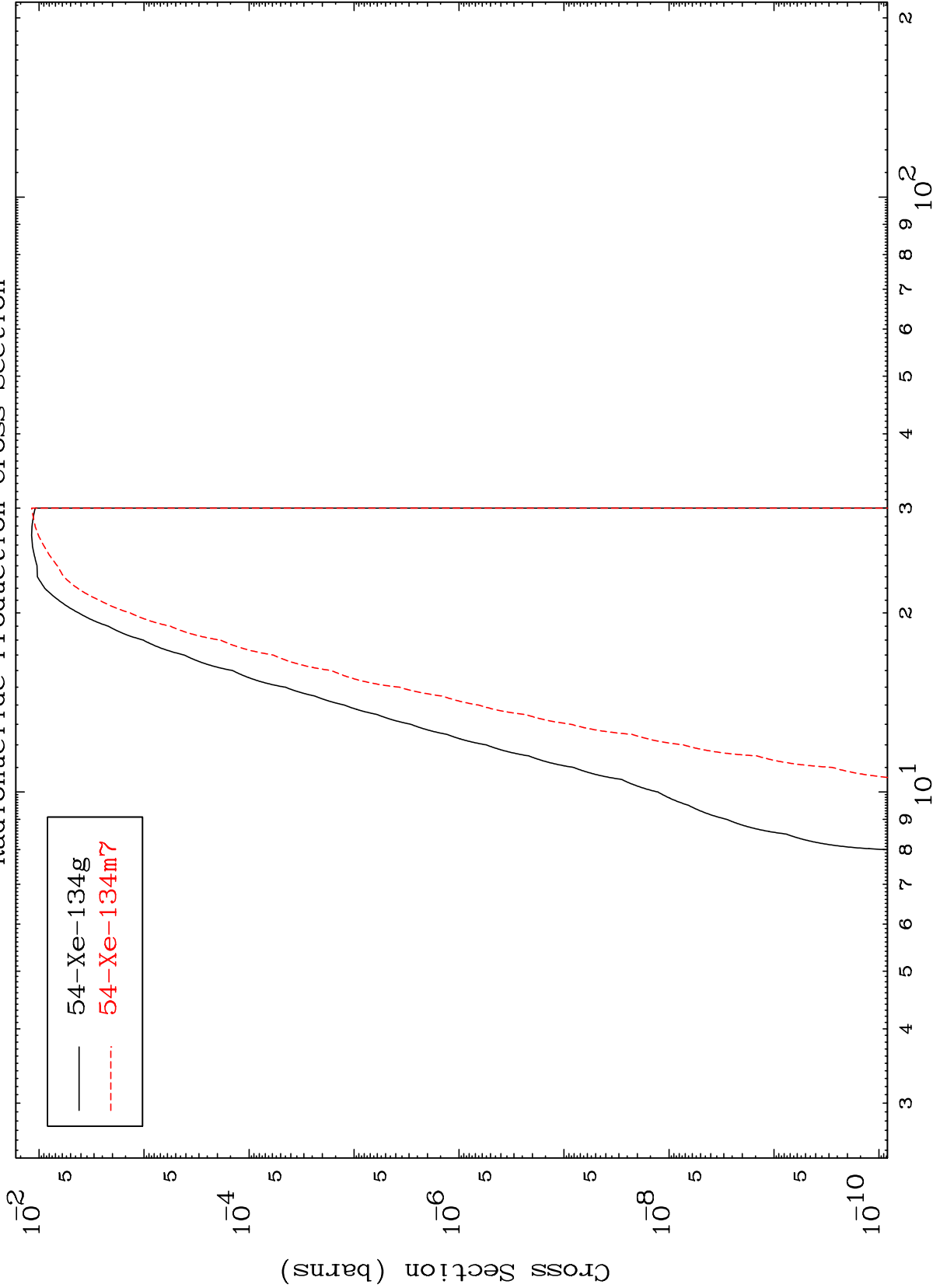
56-Ba-138

MAT 5649

56-Ba-138

(n,n') α

Radionuclide Production Cross Section



134

Incident Energy (MeV)

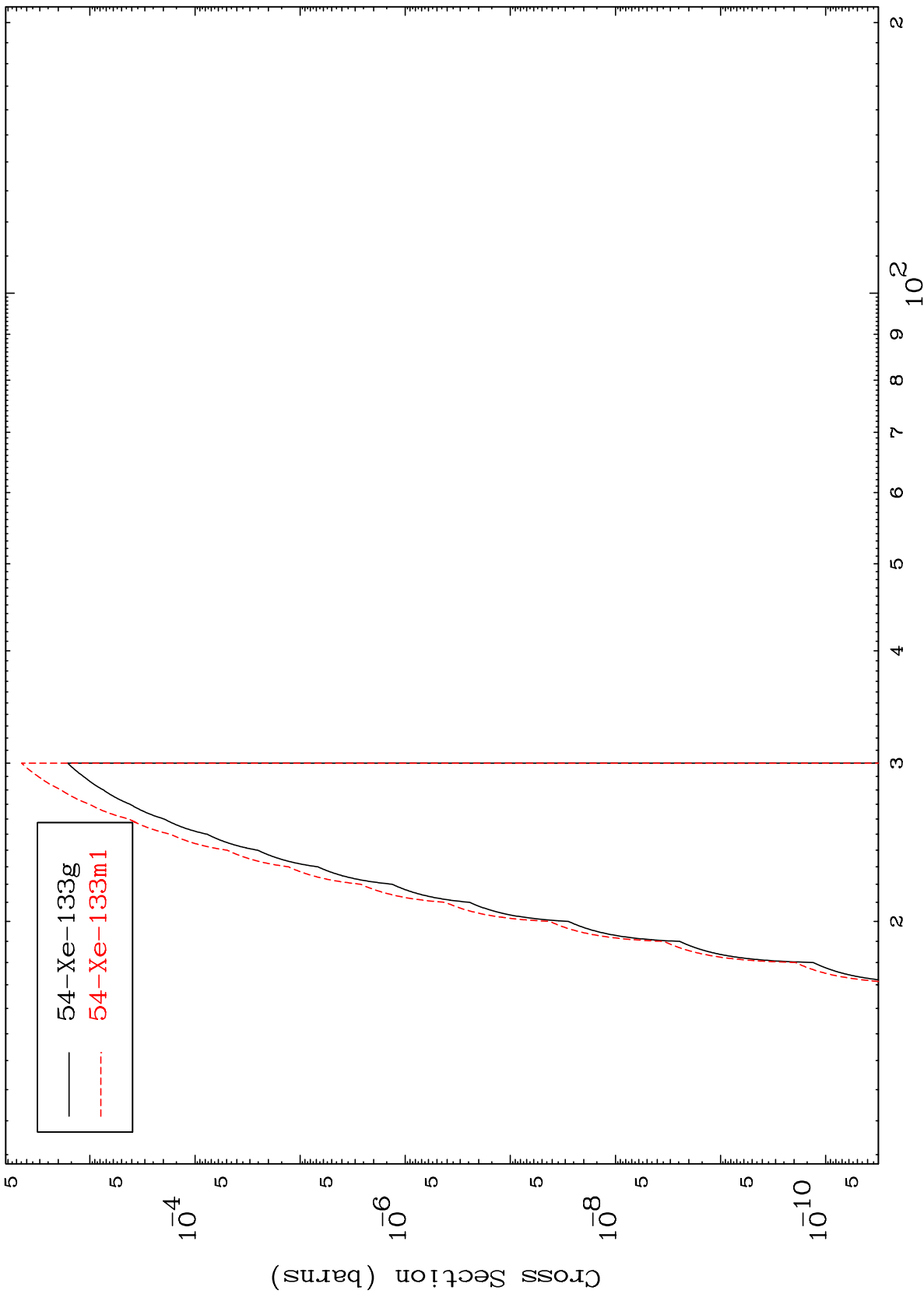
56-Ba-138

MAT 5649

(n,2n) α

56-Ba-138

Radionuclide Production Cross Section



135

Incident Energy (MeV)

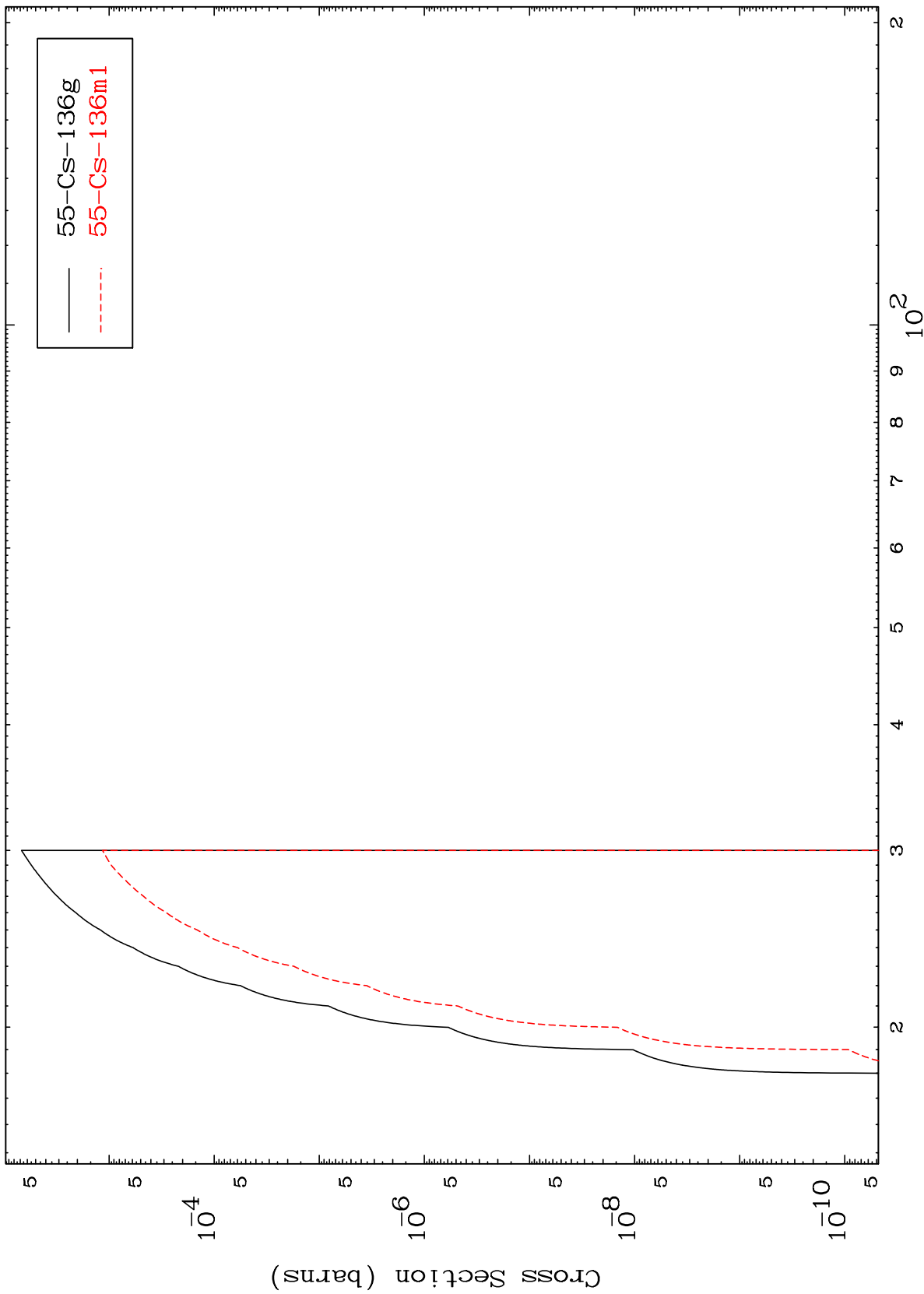
56-Ba-138

MAT 5649

(n,n') d

56-Ba-138

Radionuclide Production Cross Section



136

Incident Energy (MeV)

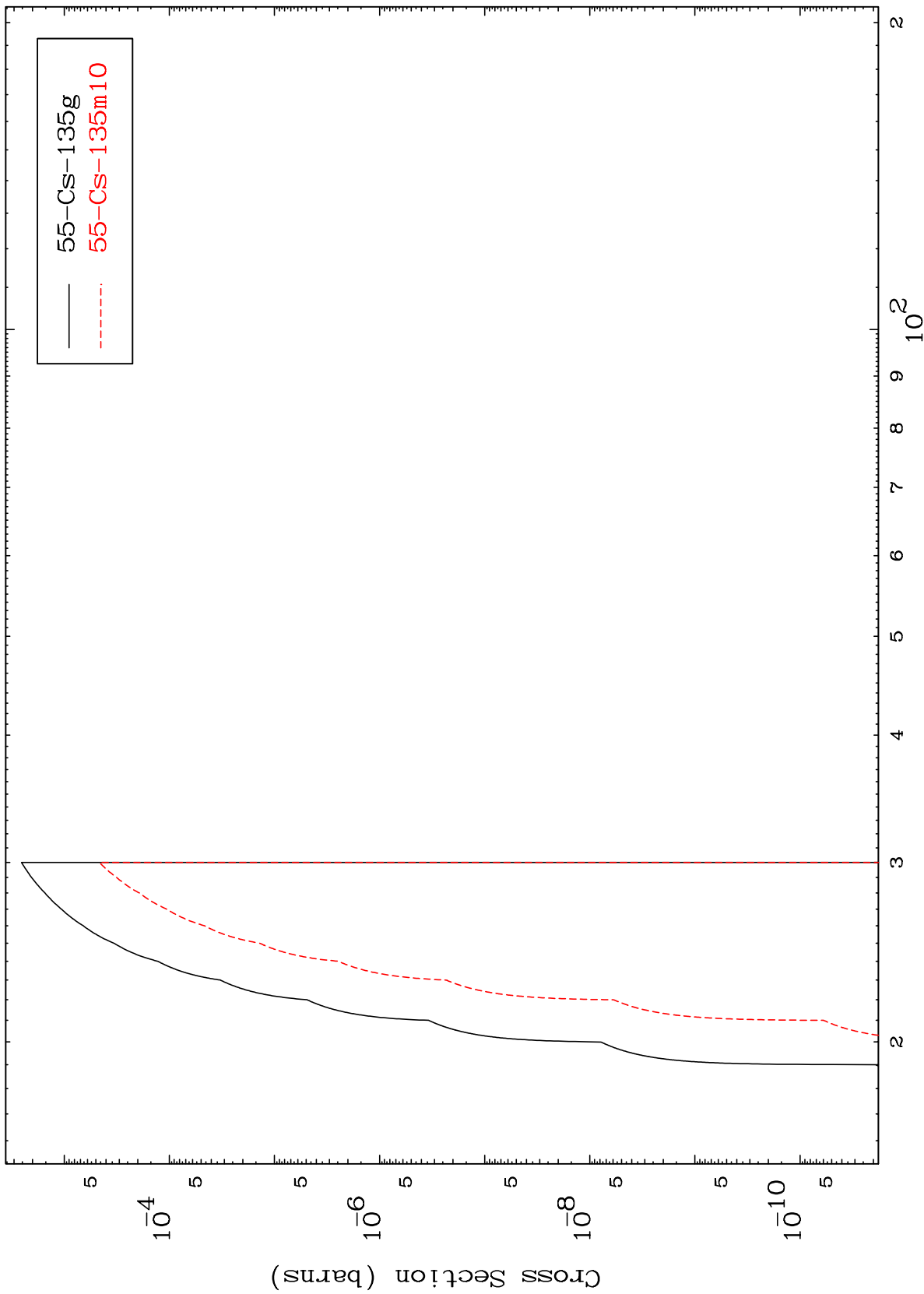
56-Ba-138

MAT 5649

(n,n') t

56-Ba-138

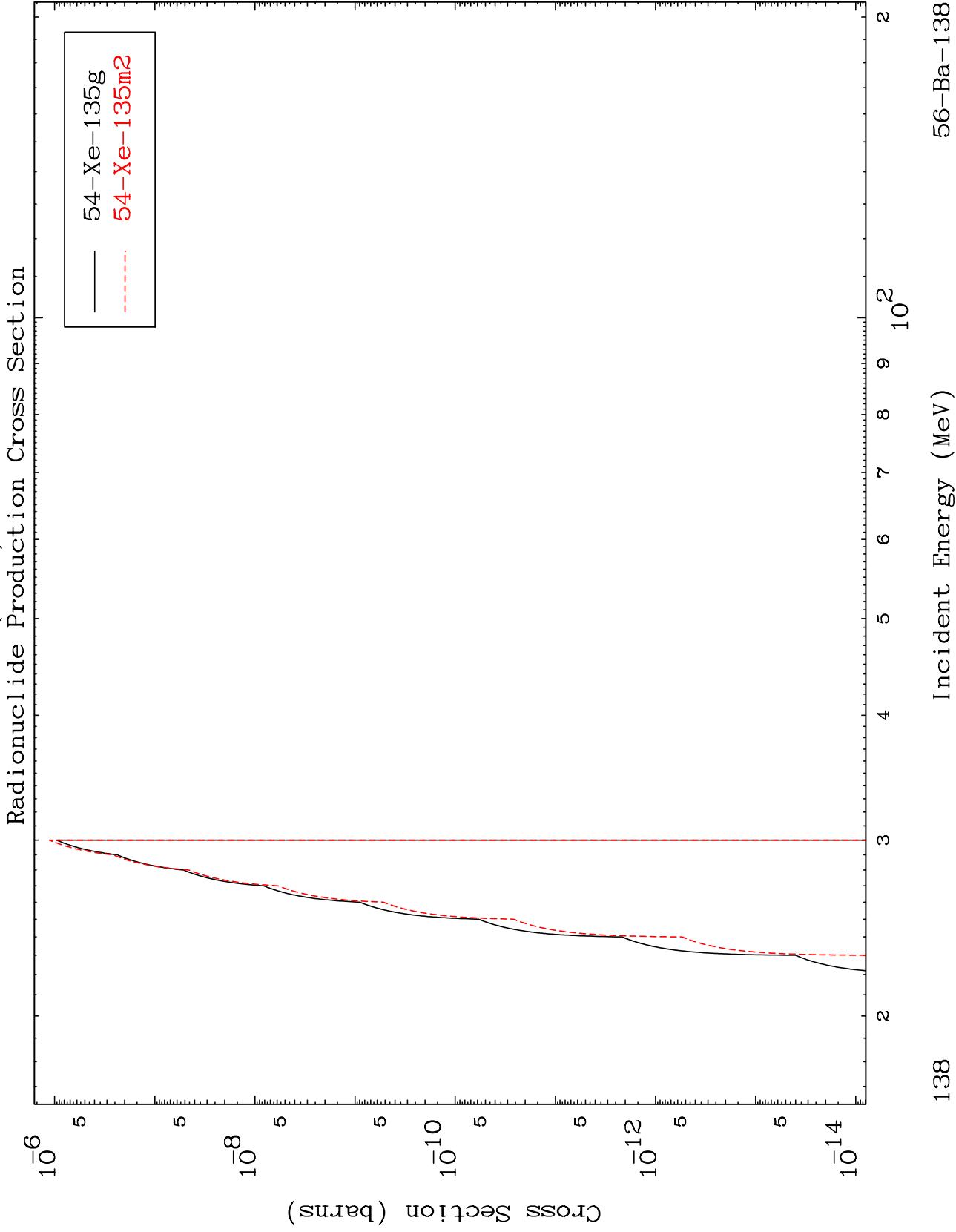
Radionuclide Production Cross Section



137

Incident Energy (MeV)

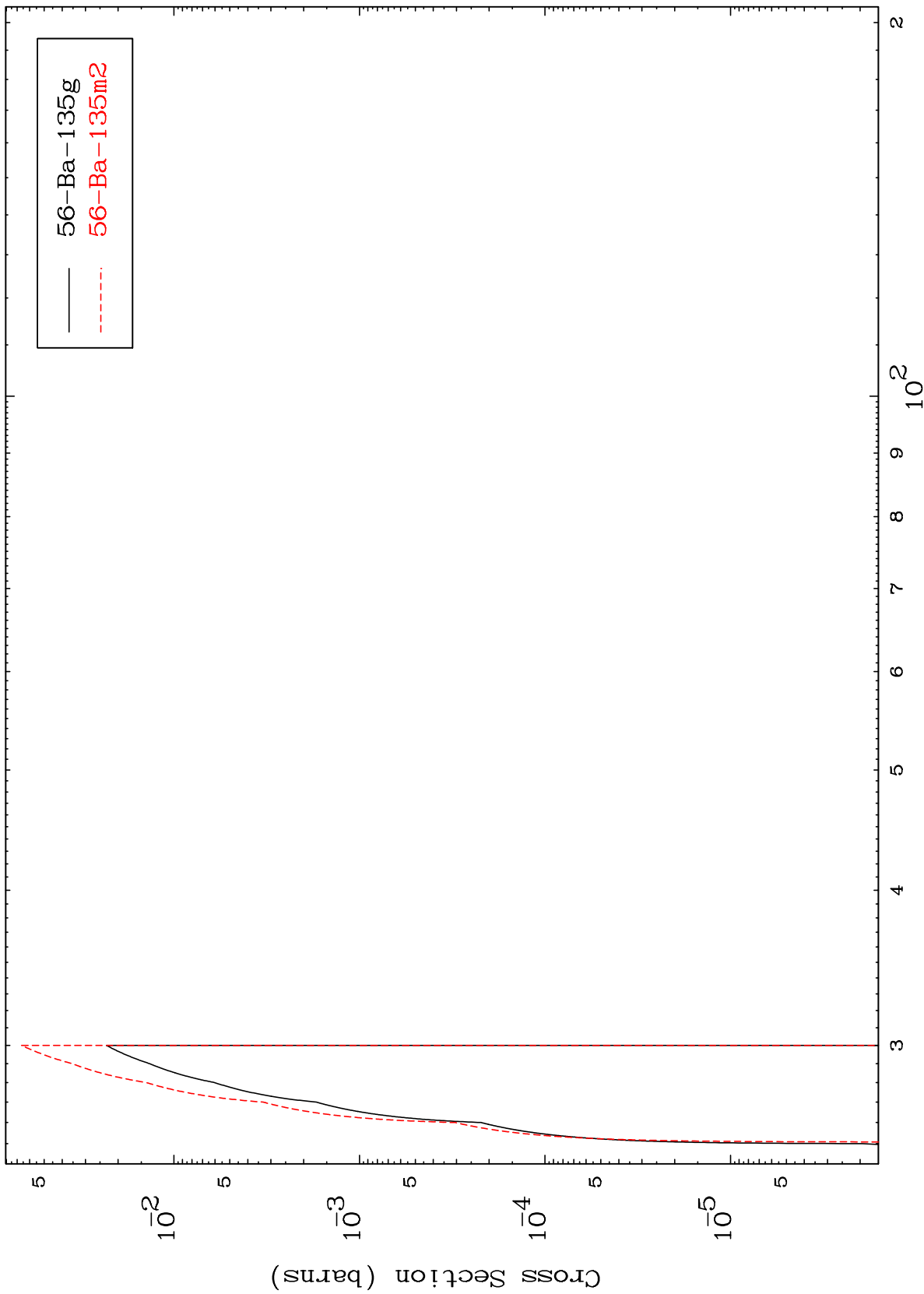
56-Ba-138



MAT 5649

56-Ba-138

(n,4n)
Radionuclide Production Cross Section



139

56-Ba-138

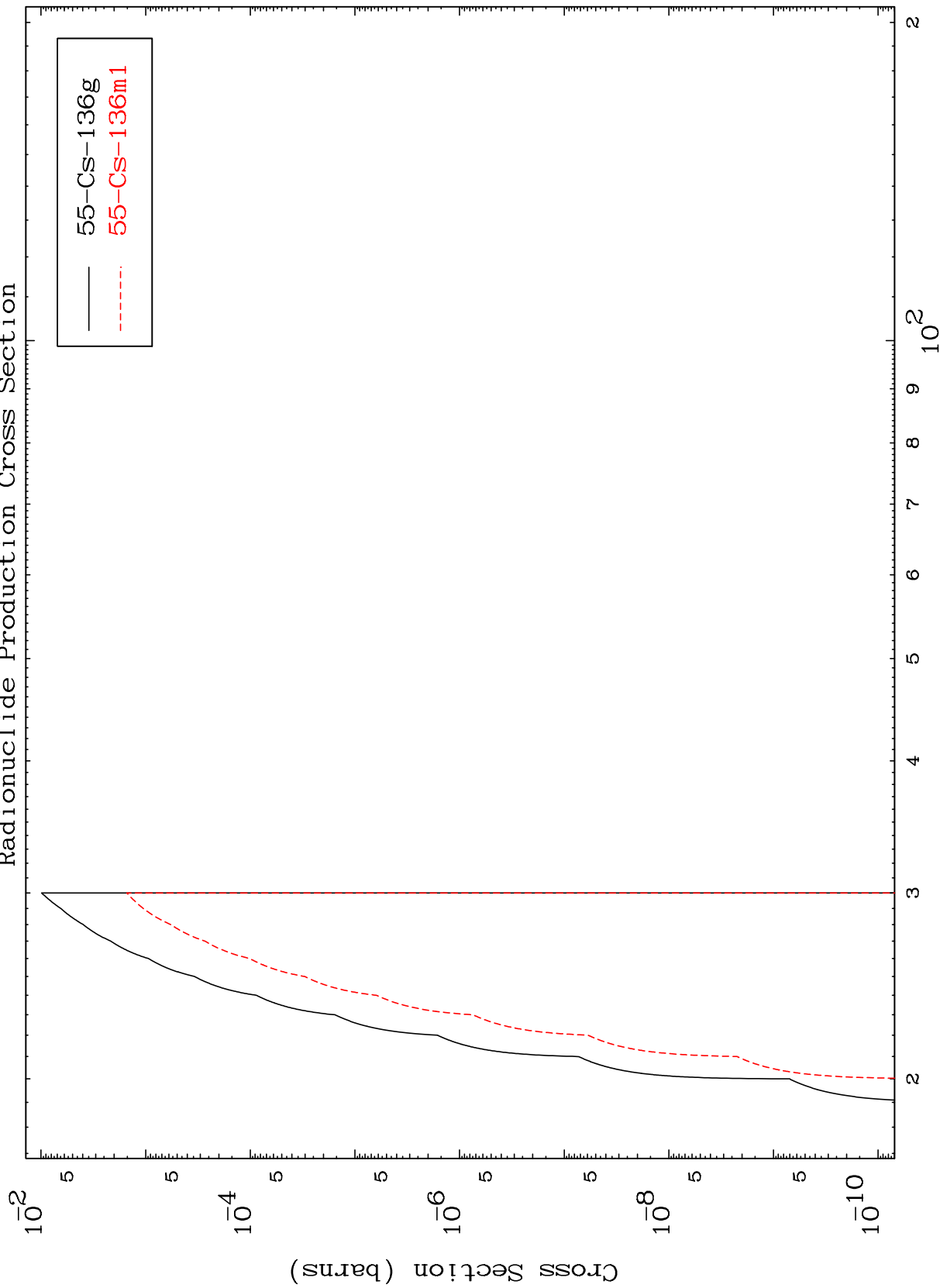
Incident Energy (MeV)

MAT 5649

(n,2n) p

56-Ba-138

Radionuclide Production Cross Section



140

Incident Energy (MeV)

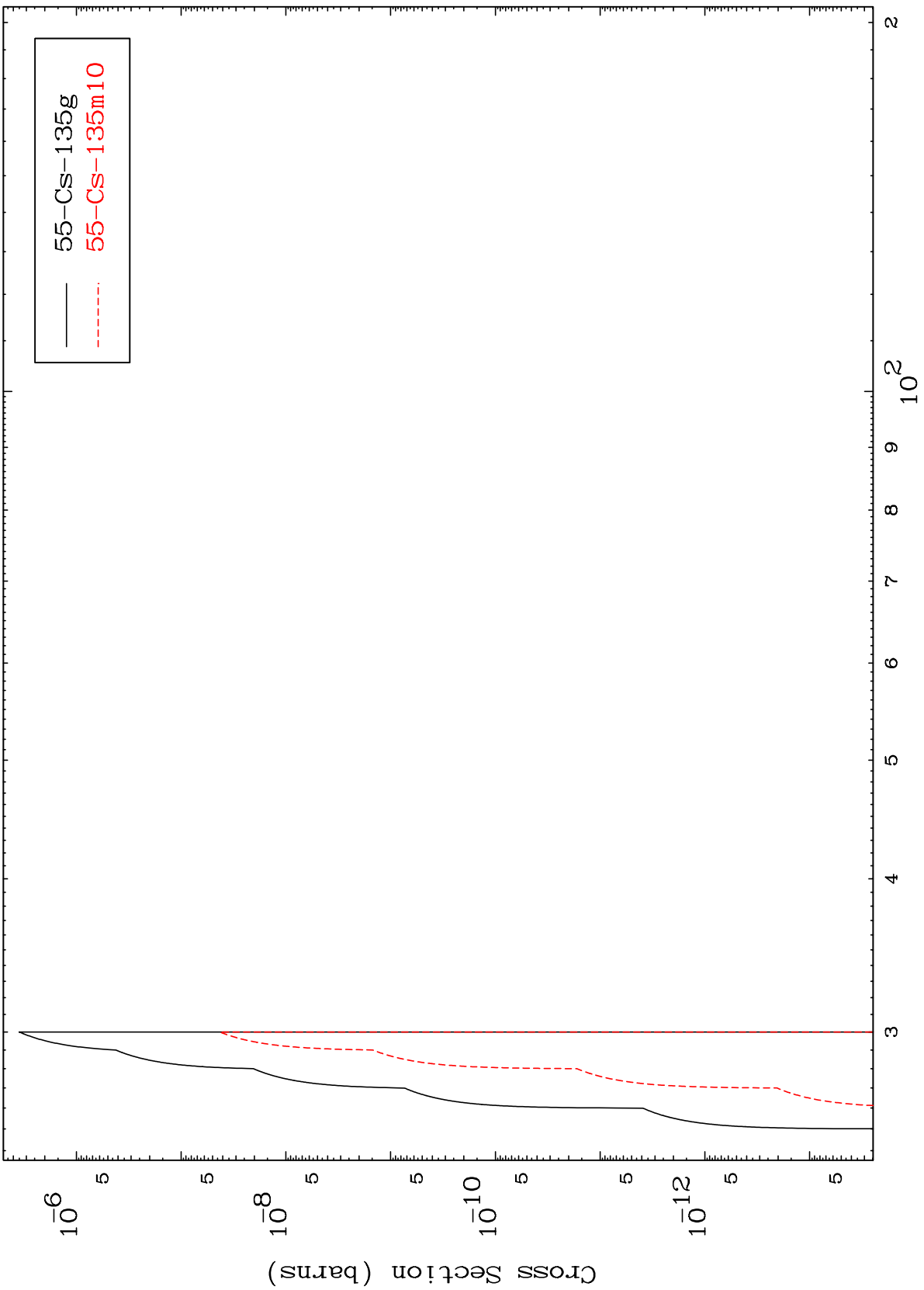
56-Ba-138

MAT 5649

(n,3n) p

56-Ba-138

Radionuclide Production Cross Section



141

Incident Energy (MeV)

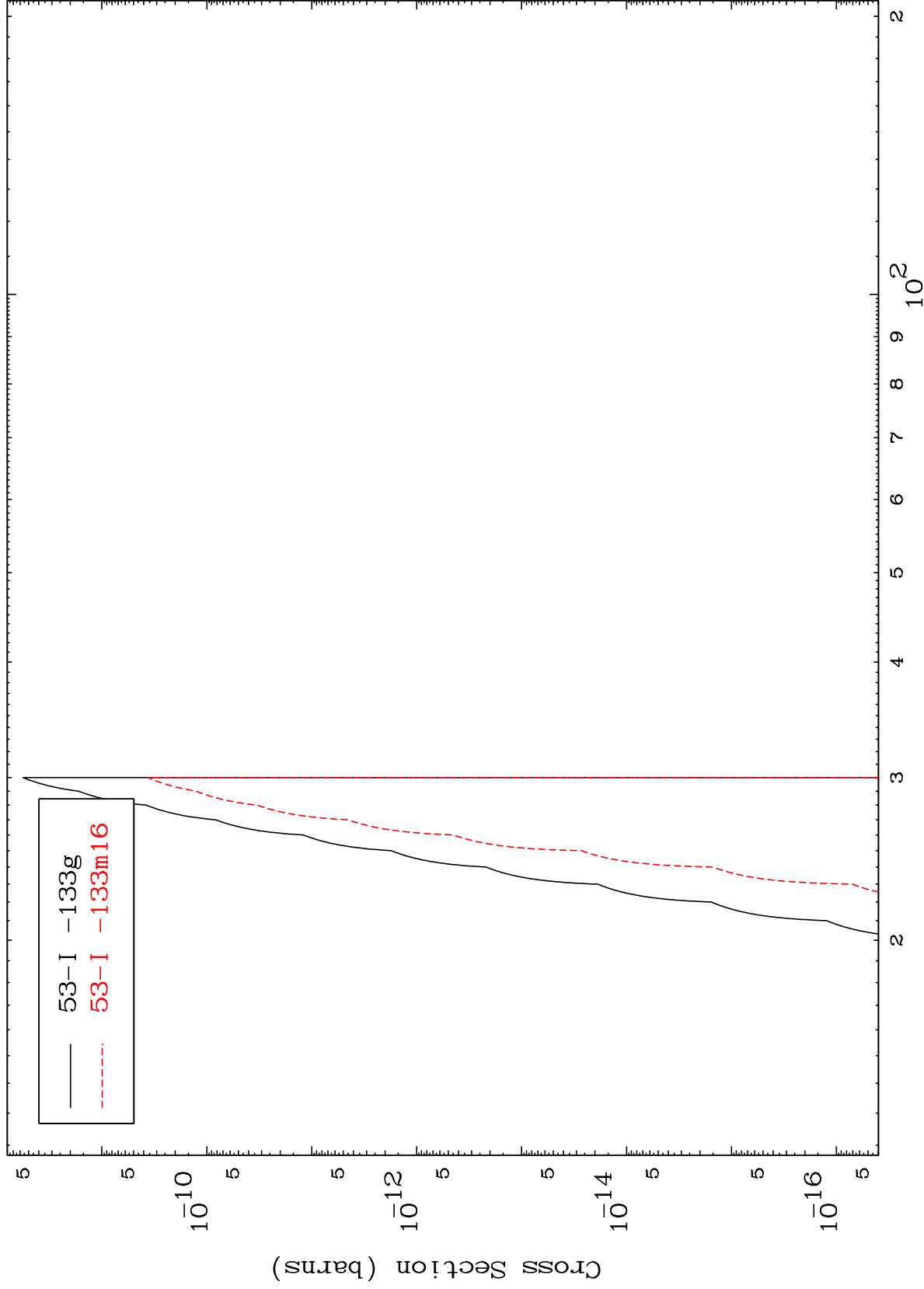
56-Ba-138

MAT 5649

(n,n') p α

56-Ba-138

Radionuclide Production Cross Section



142

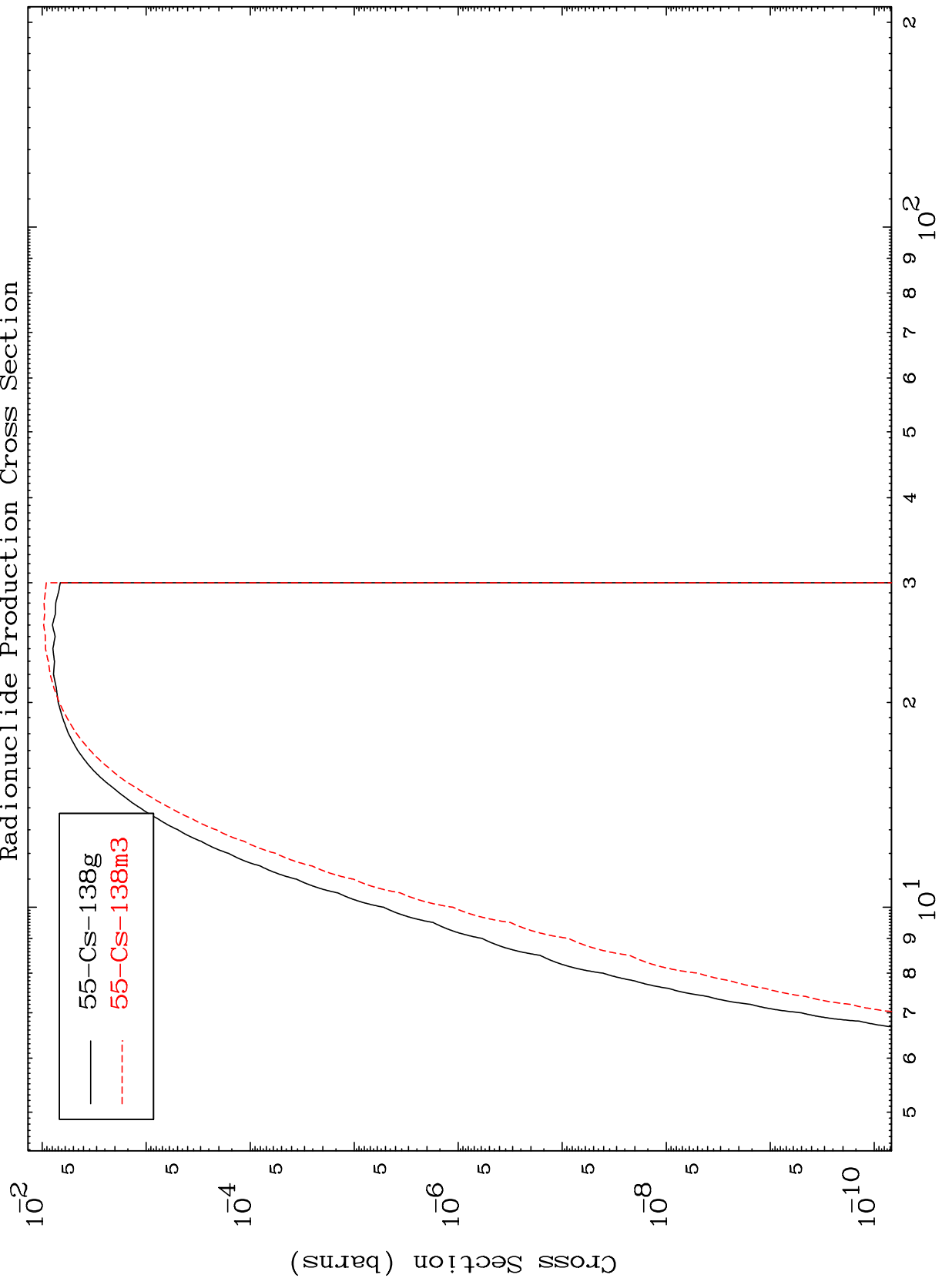
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

Radionuclide Production Cross Section (n,p)



Incident Energy (MeV)

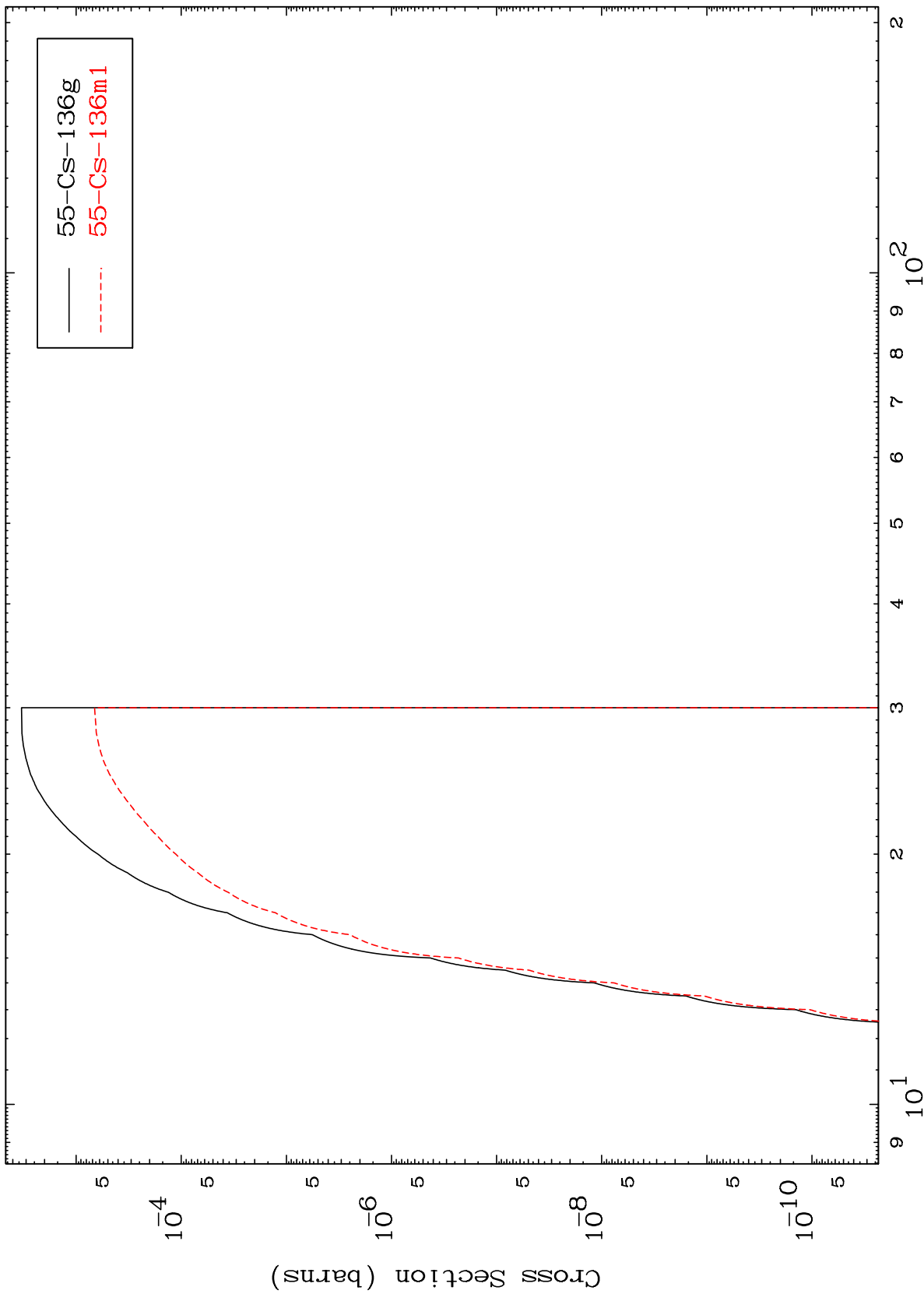
56-Ba-138

143

MAT 5649

56-Ba-138

(n,t)
Radionuclide Production Cross Section



56-Ba-138

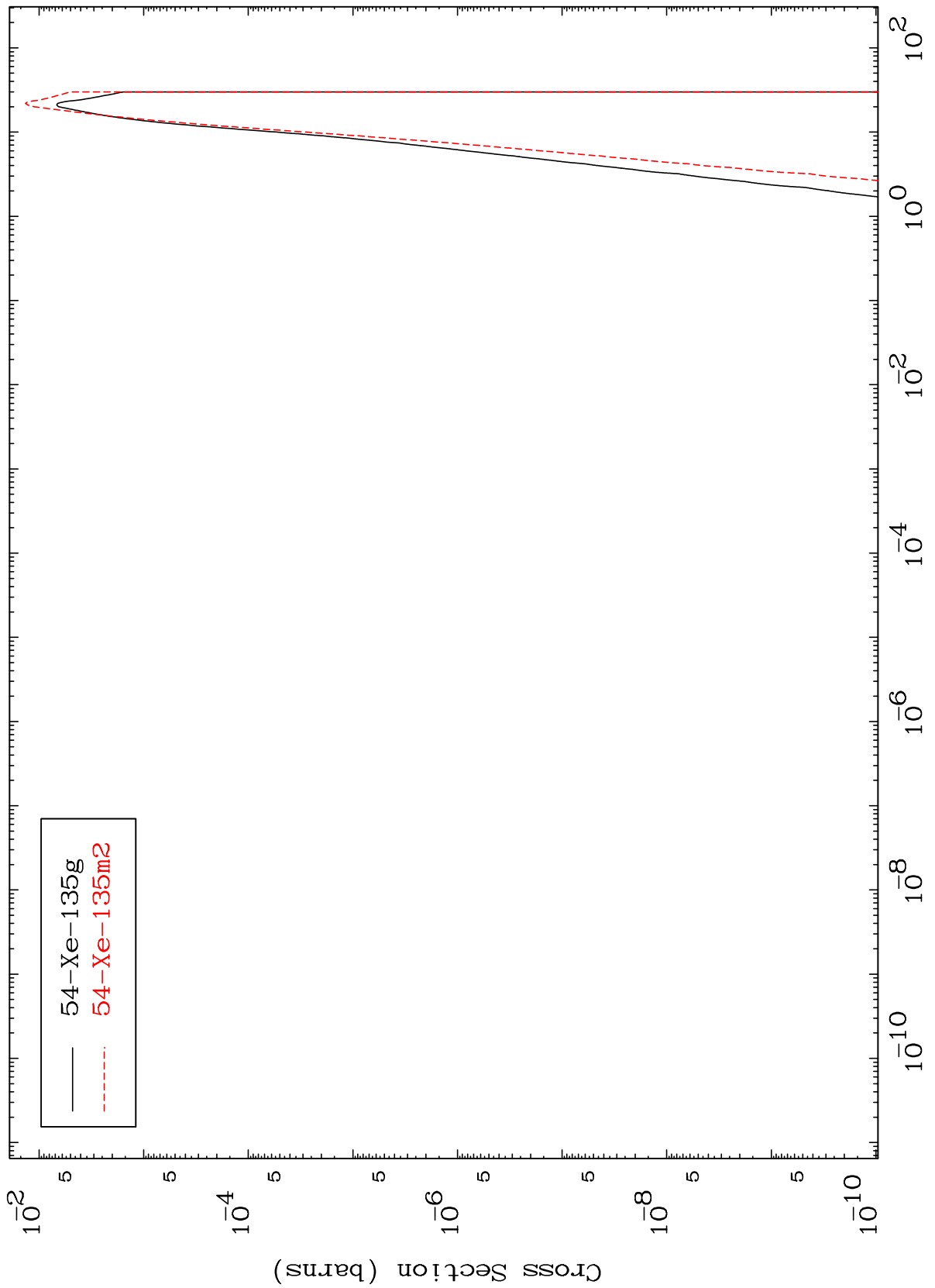
Incident Energy (MeV)

144

MAT 5649

56-Ba-138

(n, α)
Radionuclide Production Cross Section



— 54-Xe-135g
- - - 54-Xe-135m2

56-Ba-138

Incident Energy (MeV)

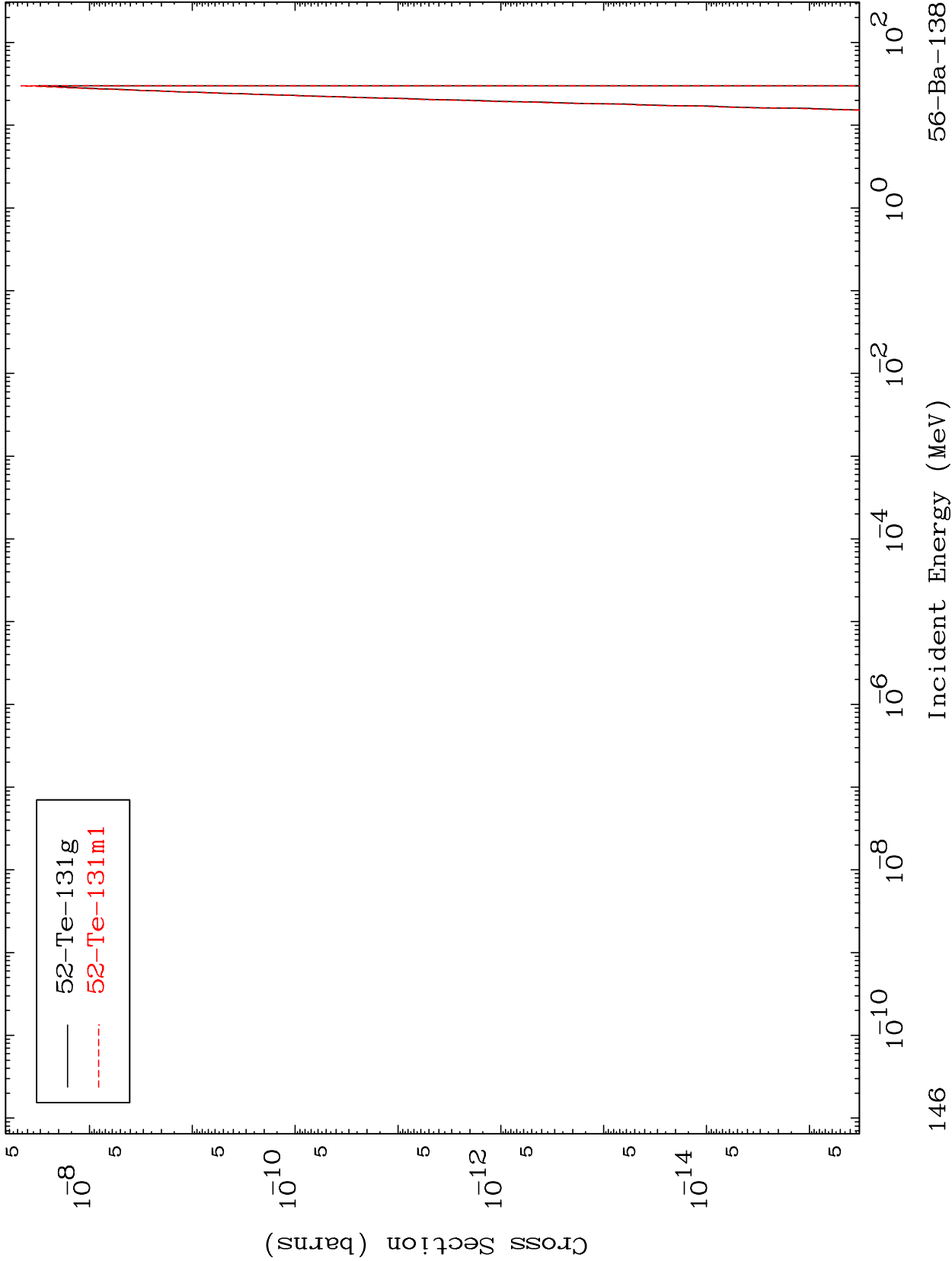
145

MAT 5649

(n,2α)

56-Ba-138

Radionuclide Production Cross Section



146

Incident Energy (MeV)

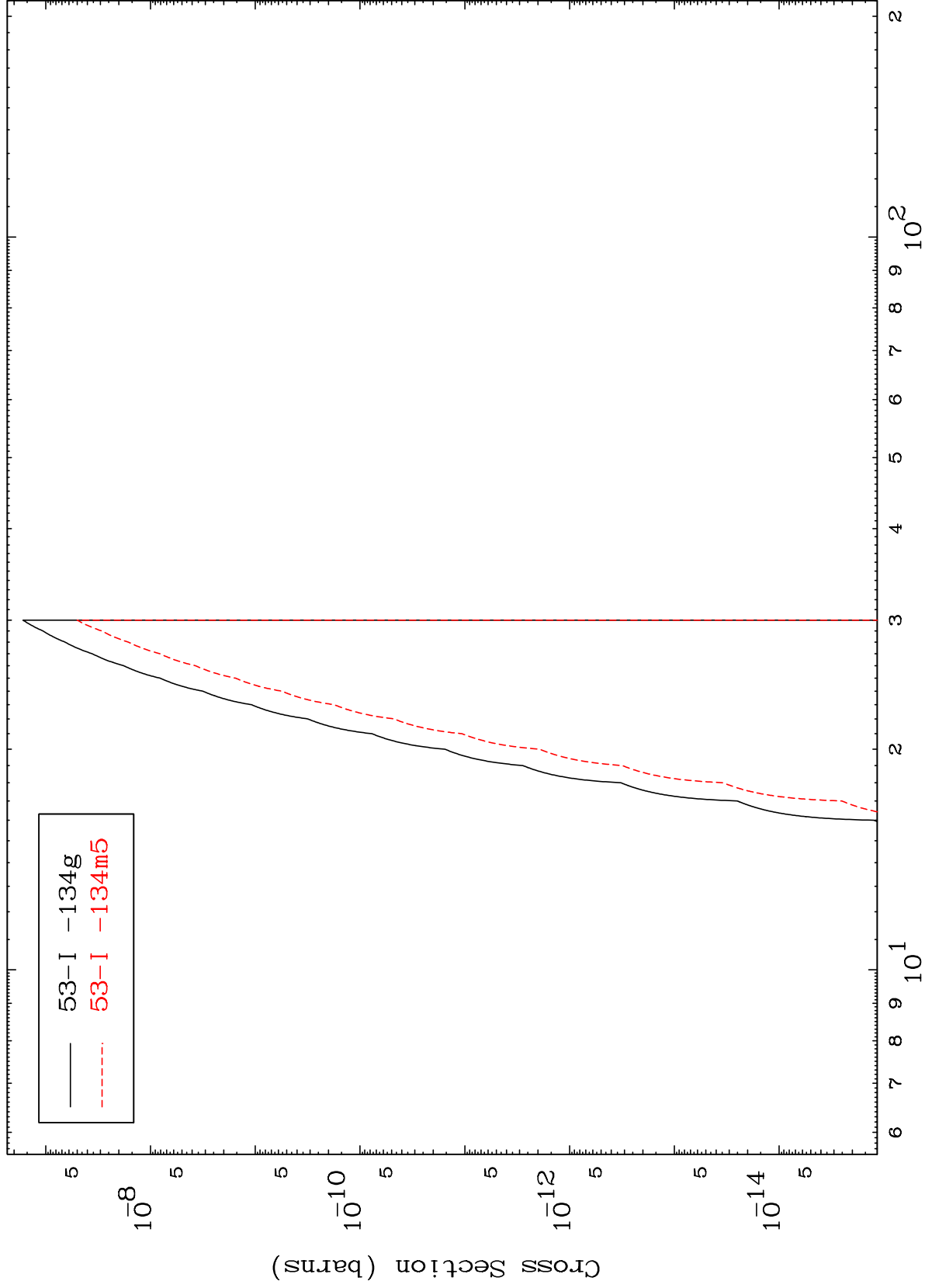
56-Ba-138

MAT 5649

(n,p) α

56-Ba-138

Radionuclide Production Cross Section



147

Incident Energy (MeV)

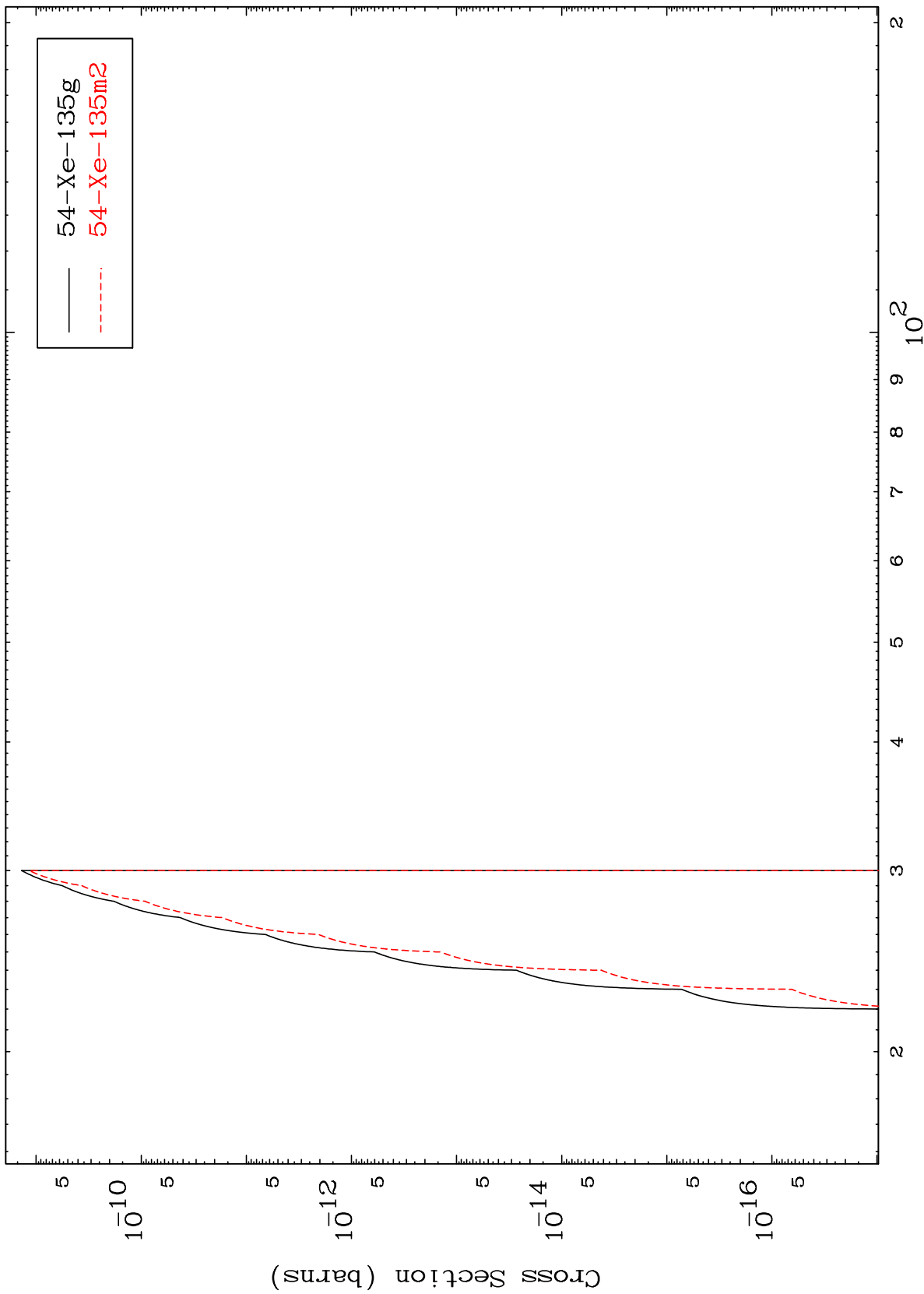
56-Ba-138

MAT 5649

(n,p) t

56-Ba-138

Radionuclide Production Cross Section



148

Incident Energy (MeV)

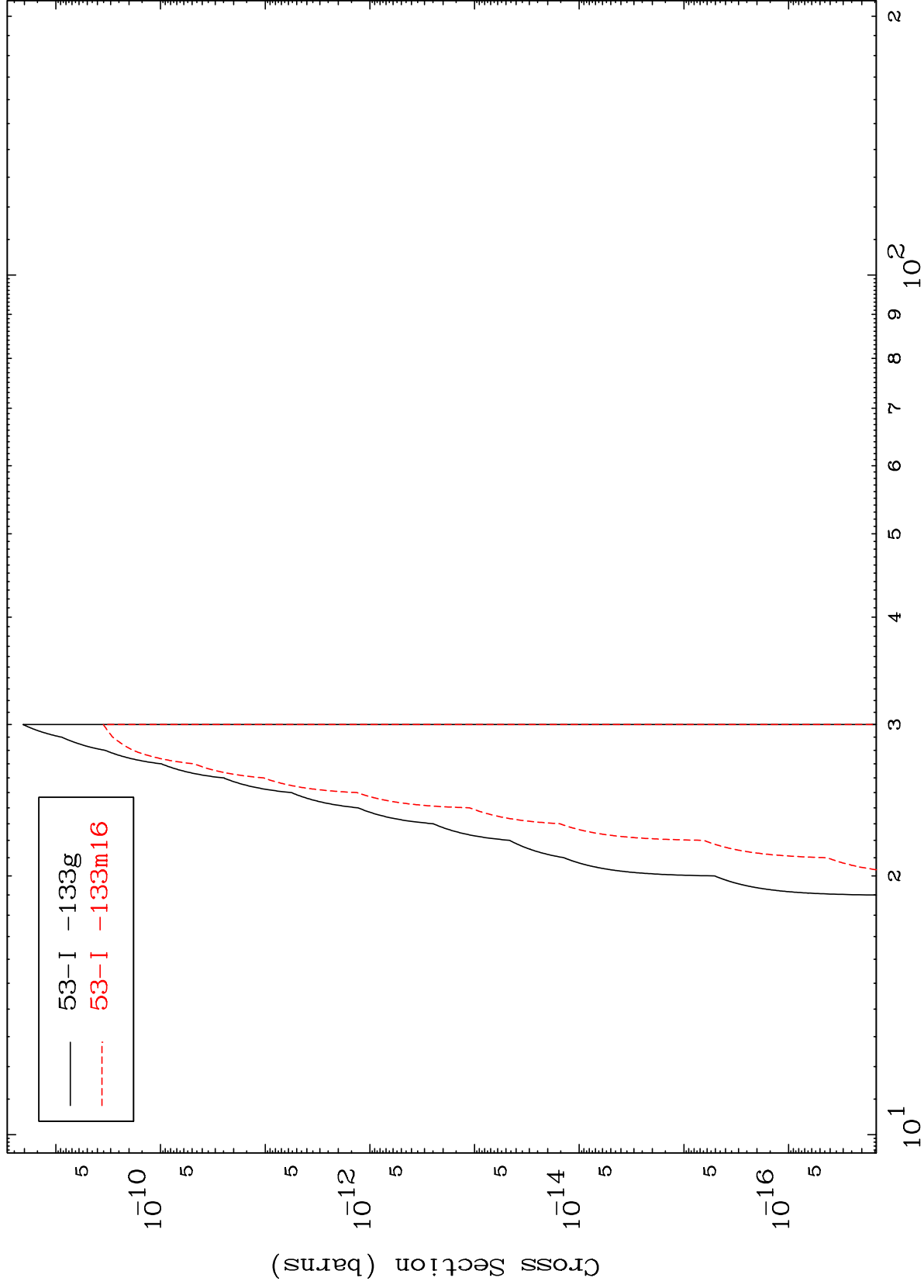
56-Ba-138

MAT 5649

(n,d) α

56-Ba-138

Radionuclide Production Cross Section



149

Incident Energy (MeV)

56-Ba-138