

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

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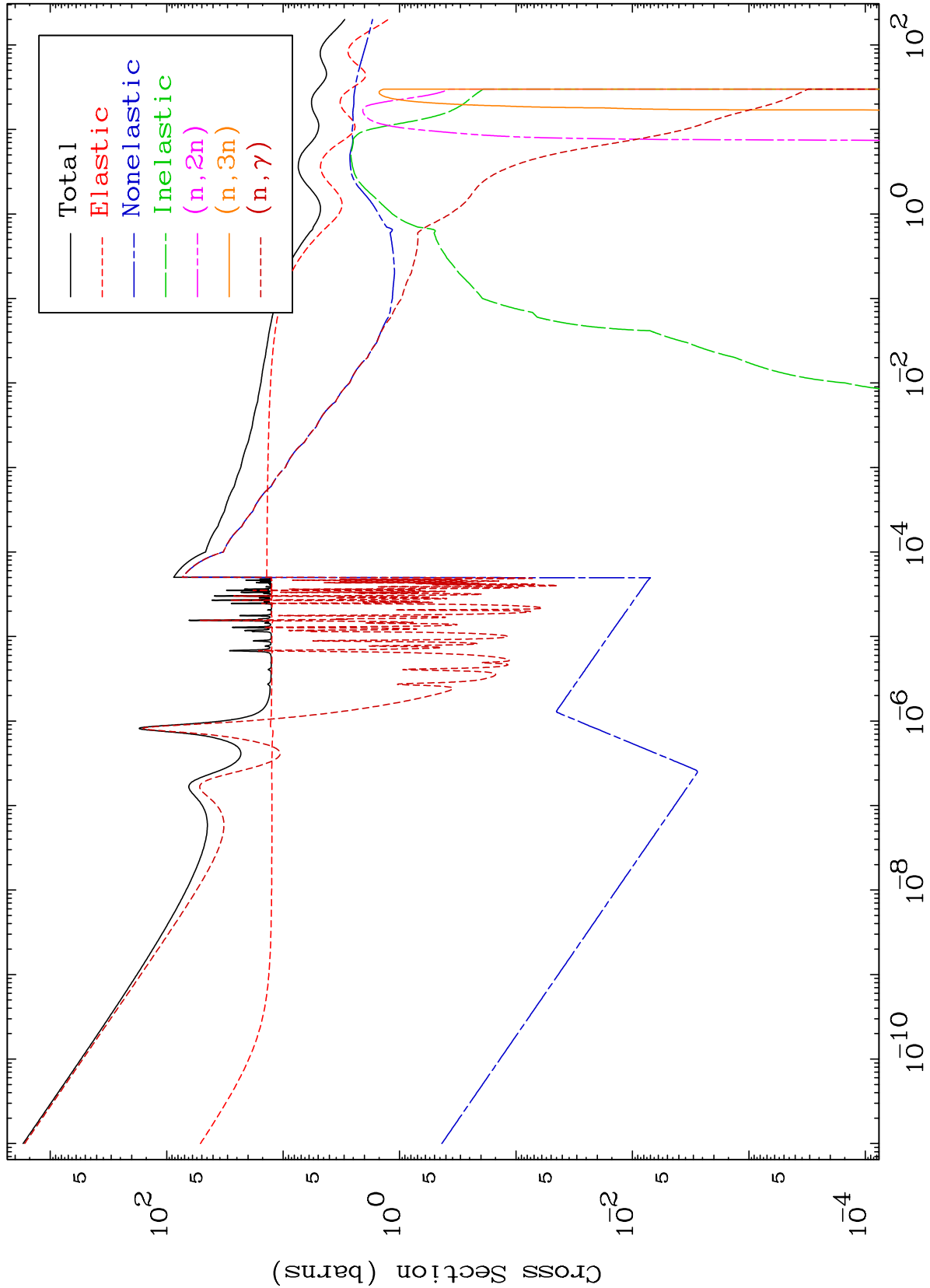
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8304

Neutron Major
293 Kelvin Cross Sections

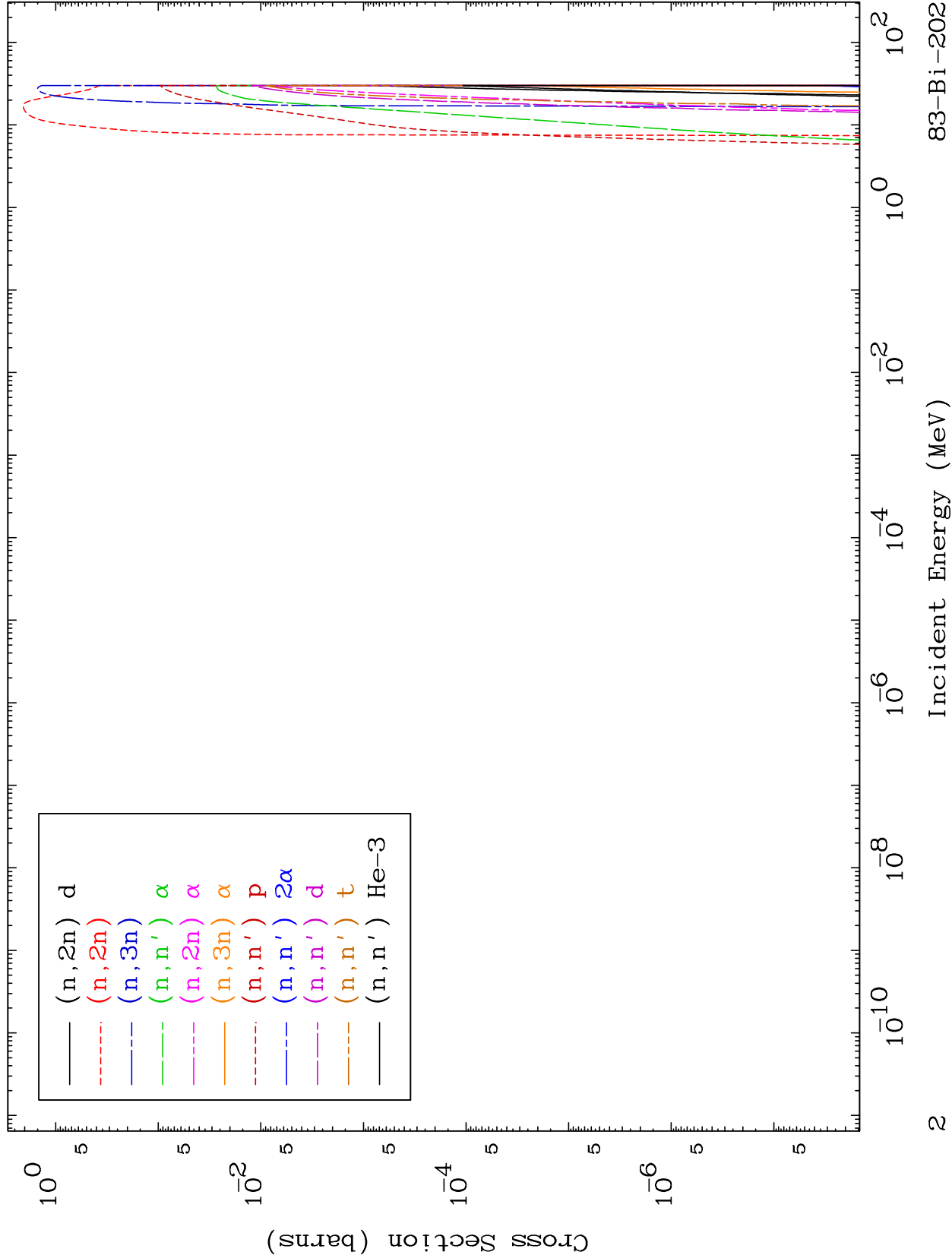
83-Bi-202

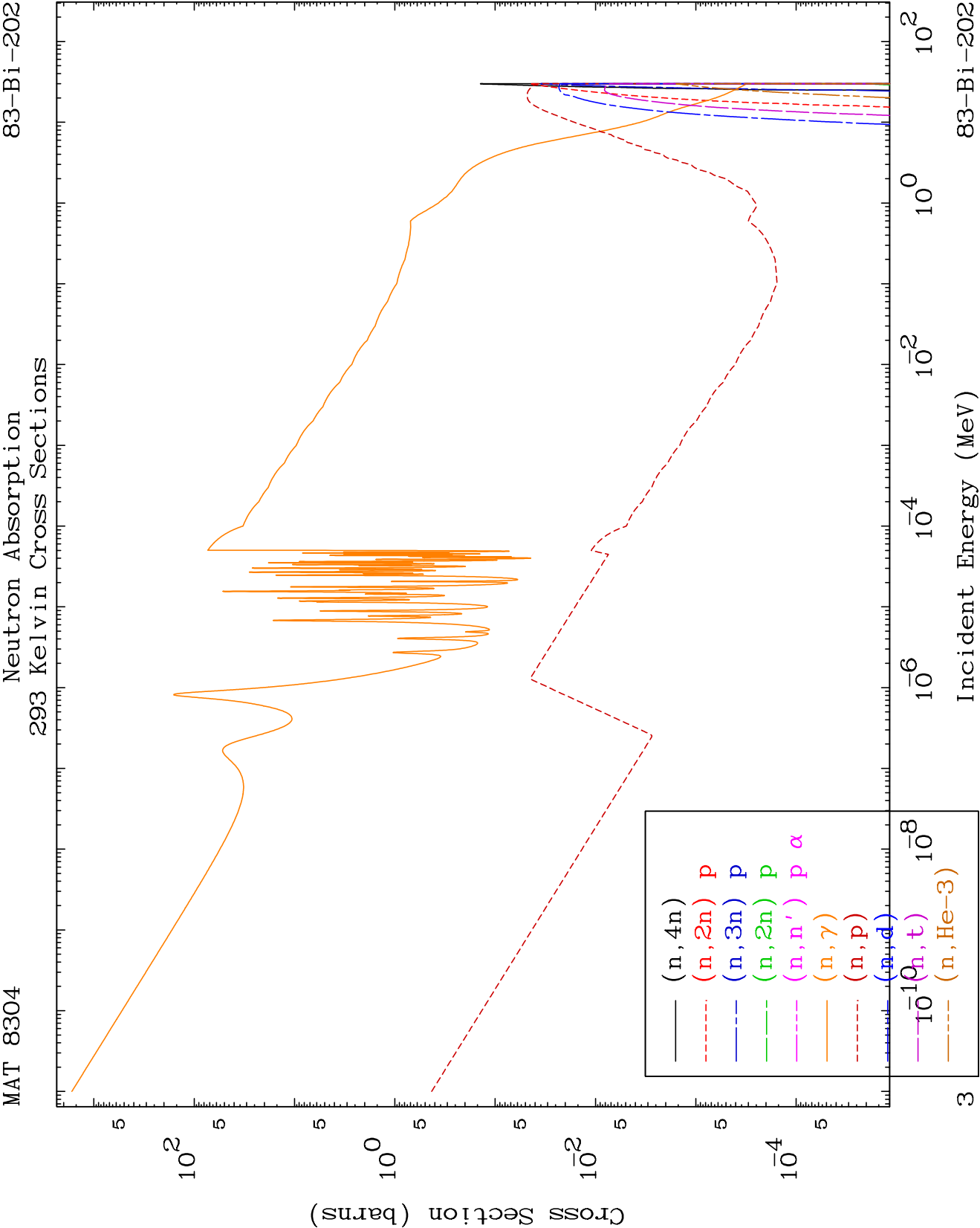


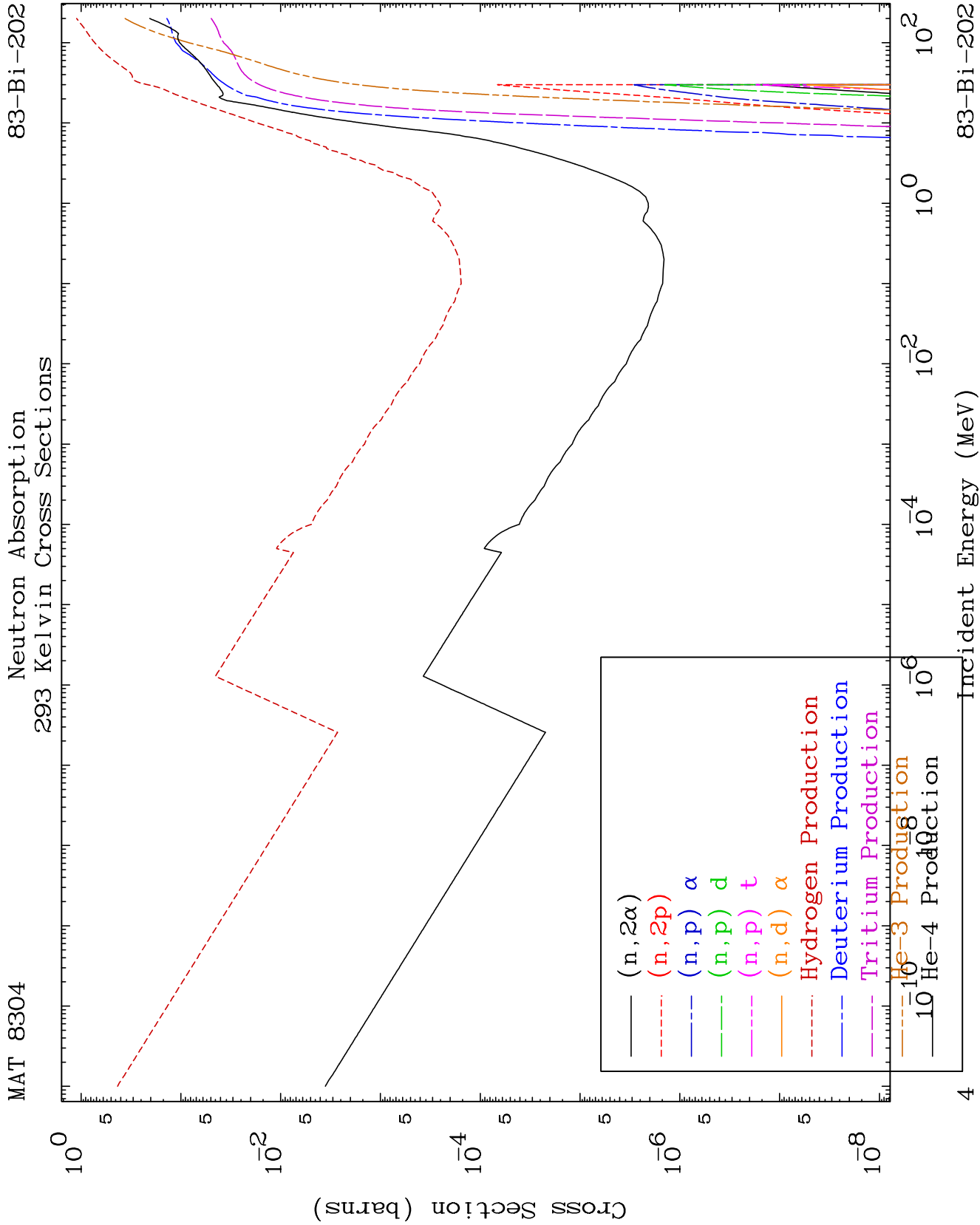
MAT 8304

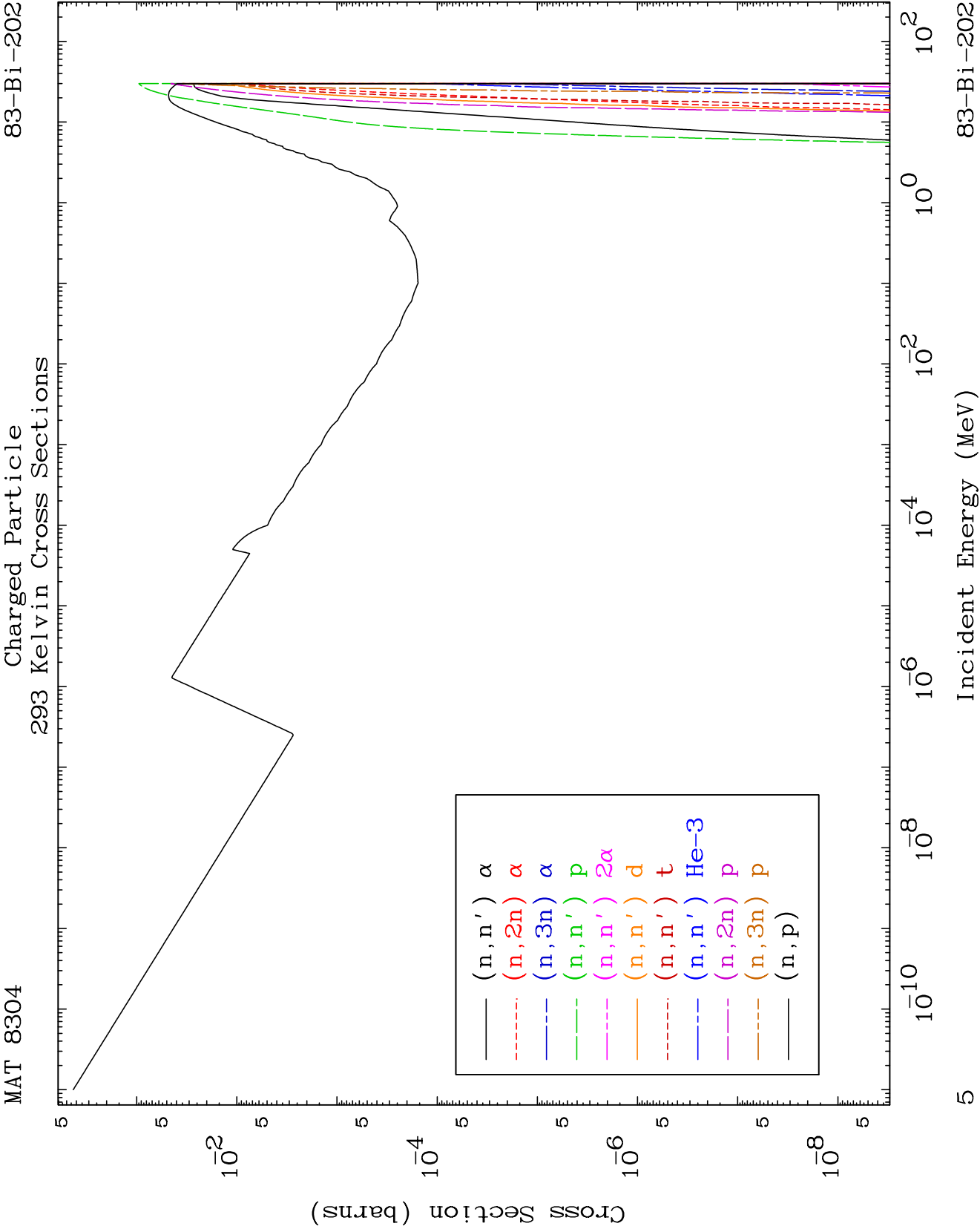
Neutron Absorption
293 Kelvin Cross Sections

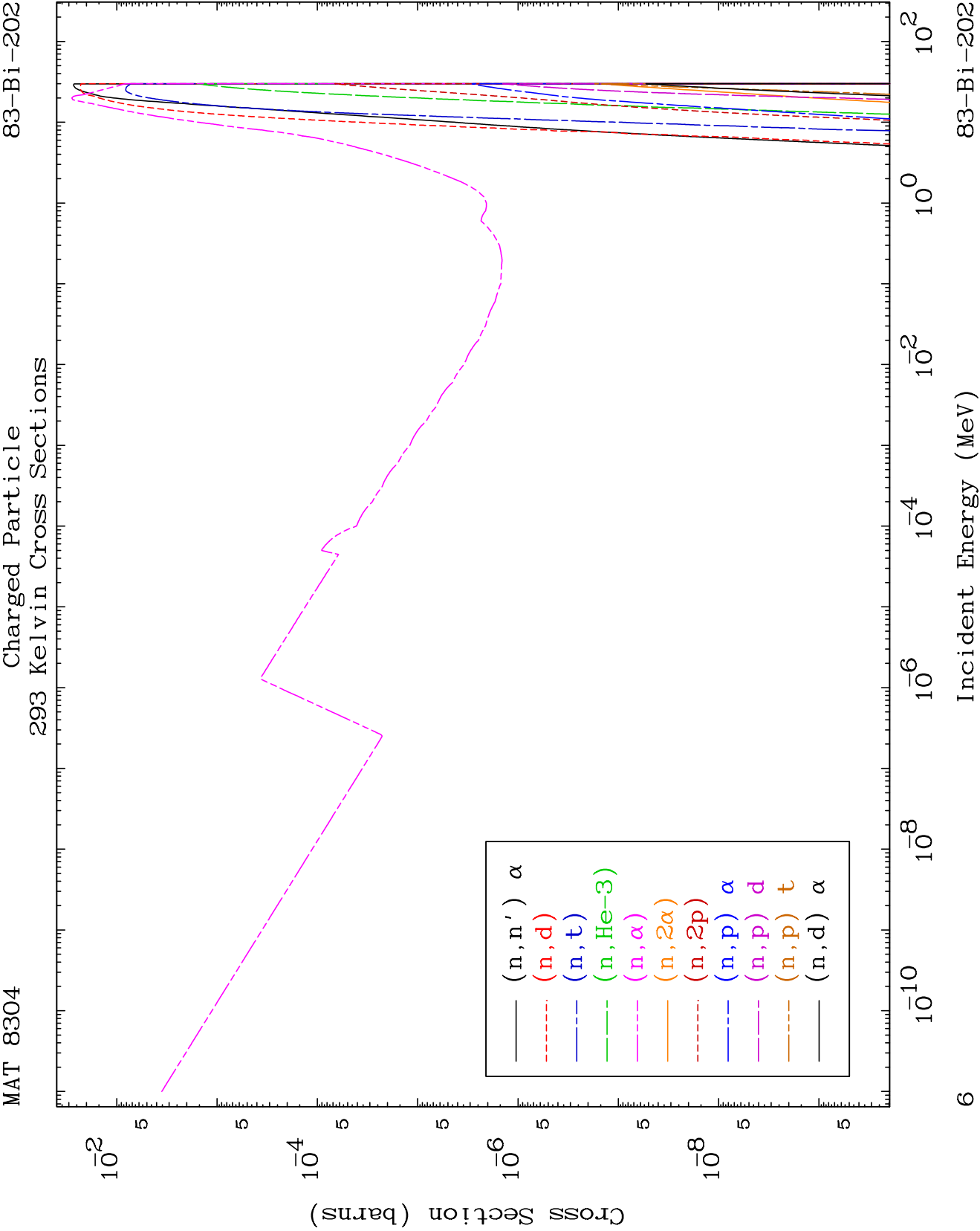
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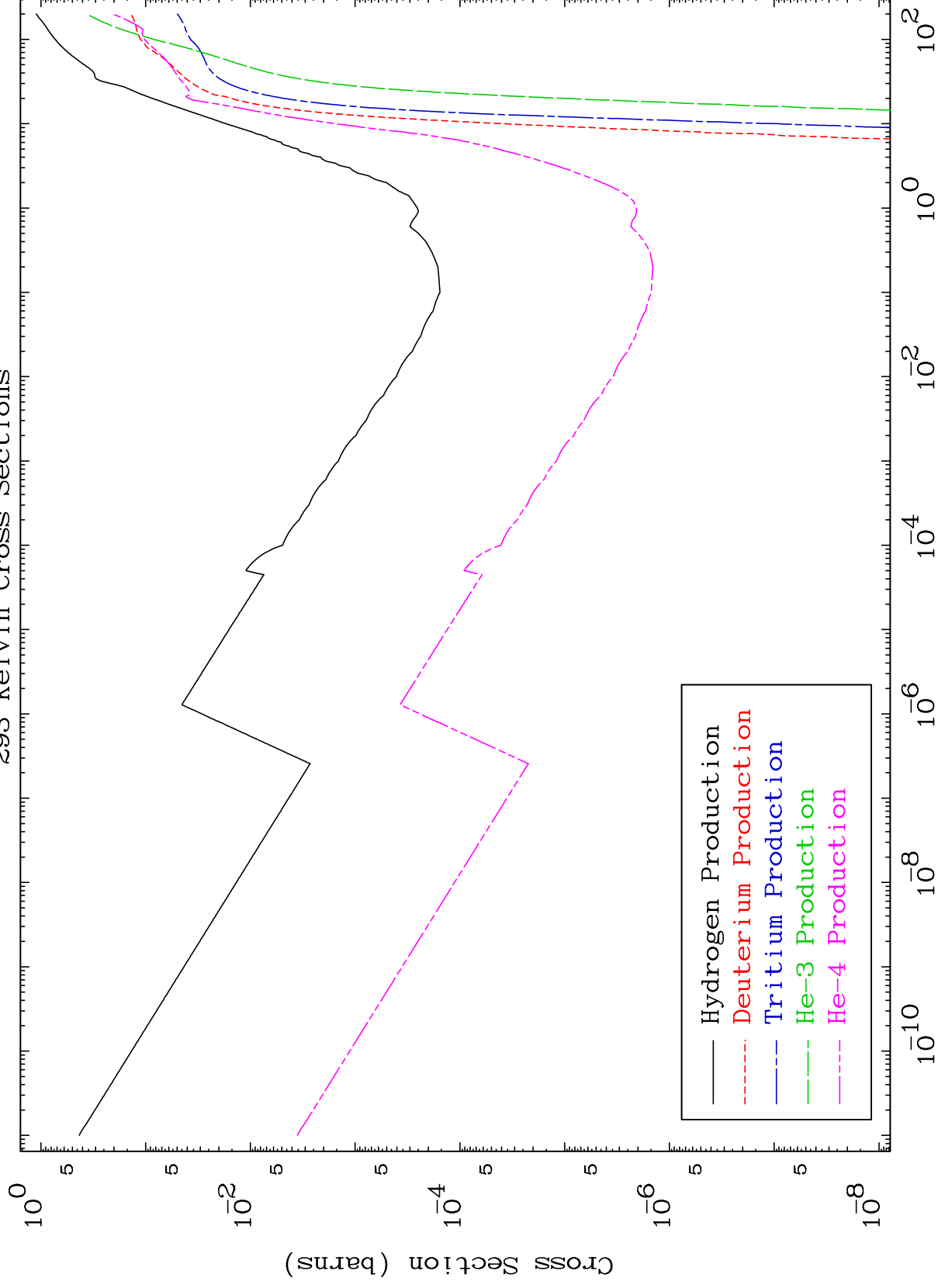


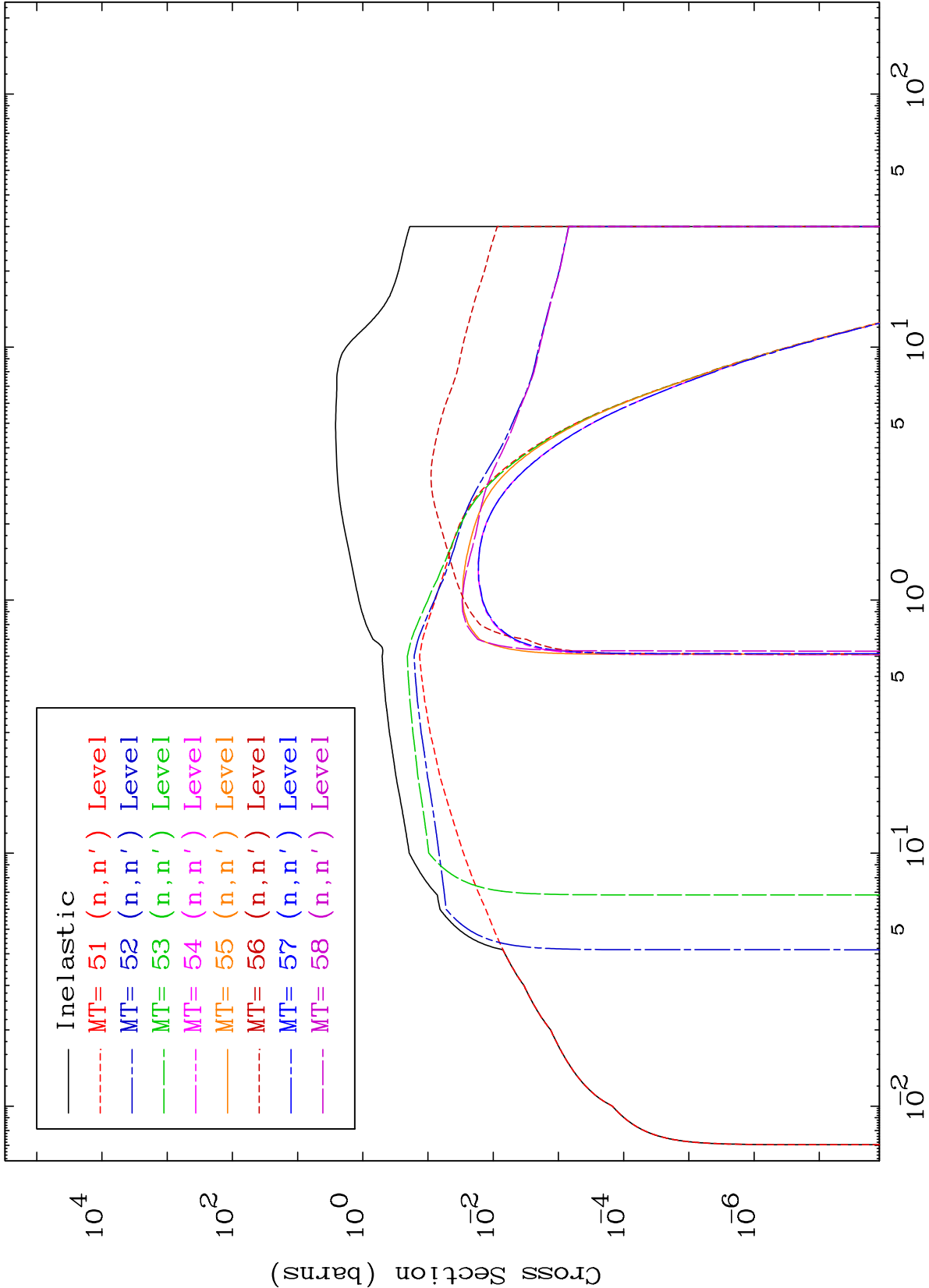


MAT 8304

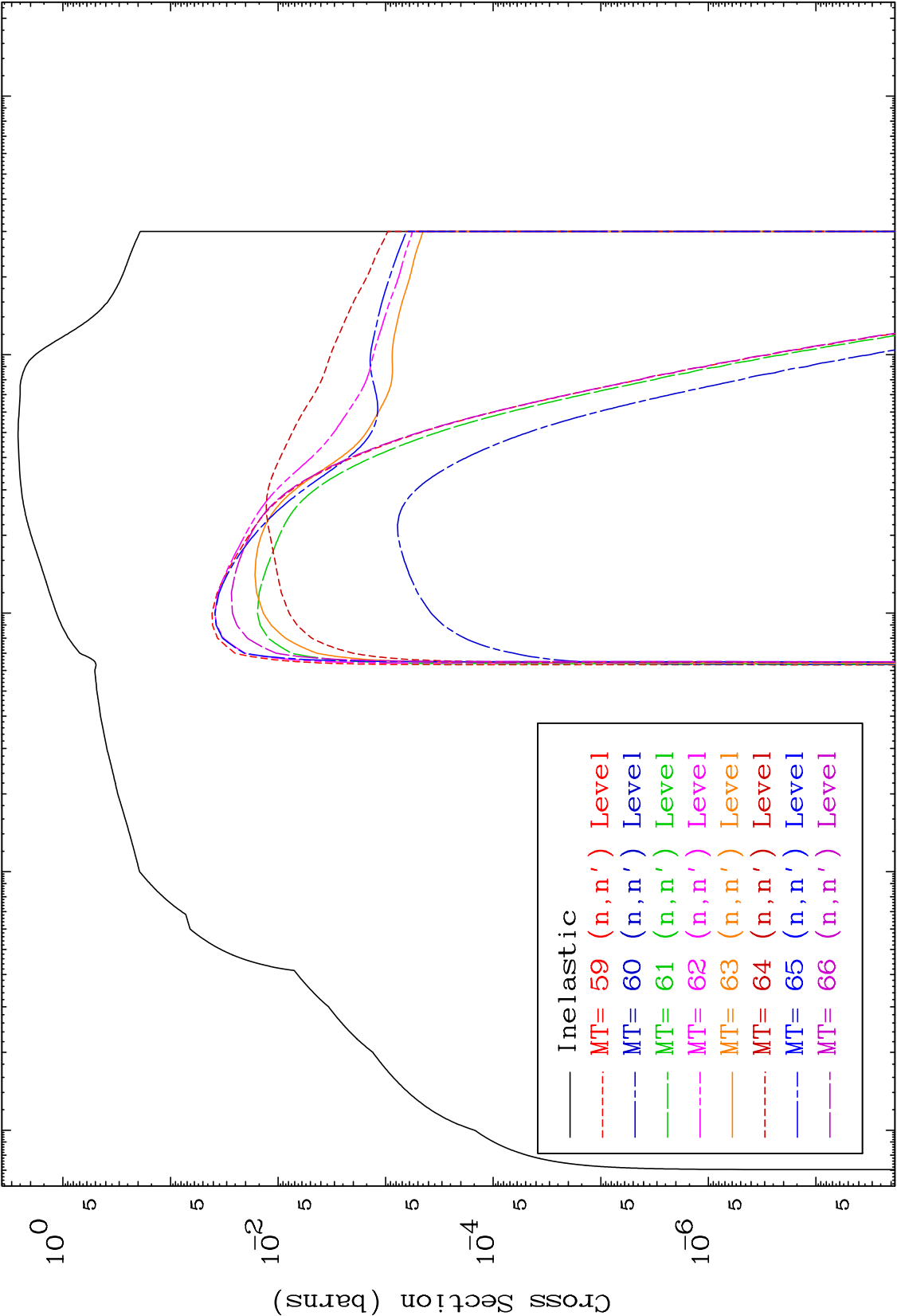
Particle Production
293 Kelvin Cross Sections

83-Bi-202





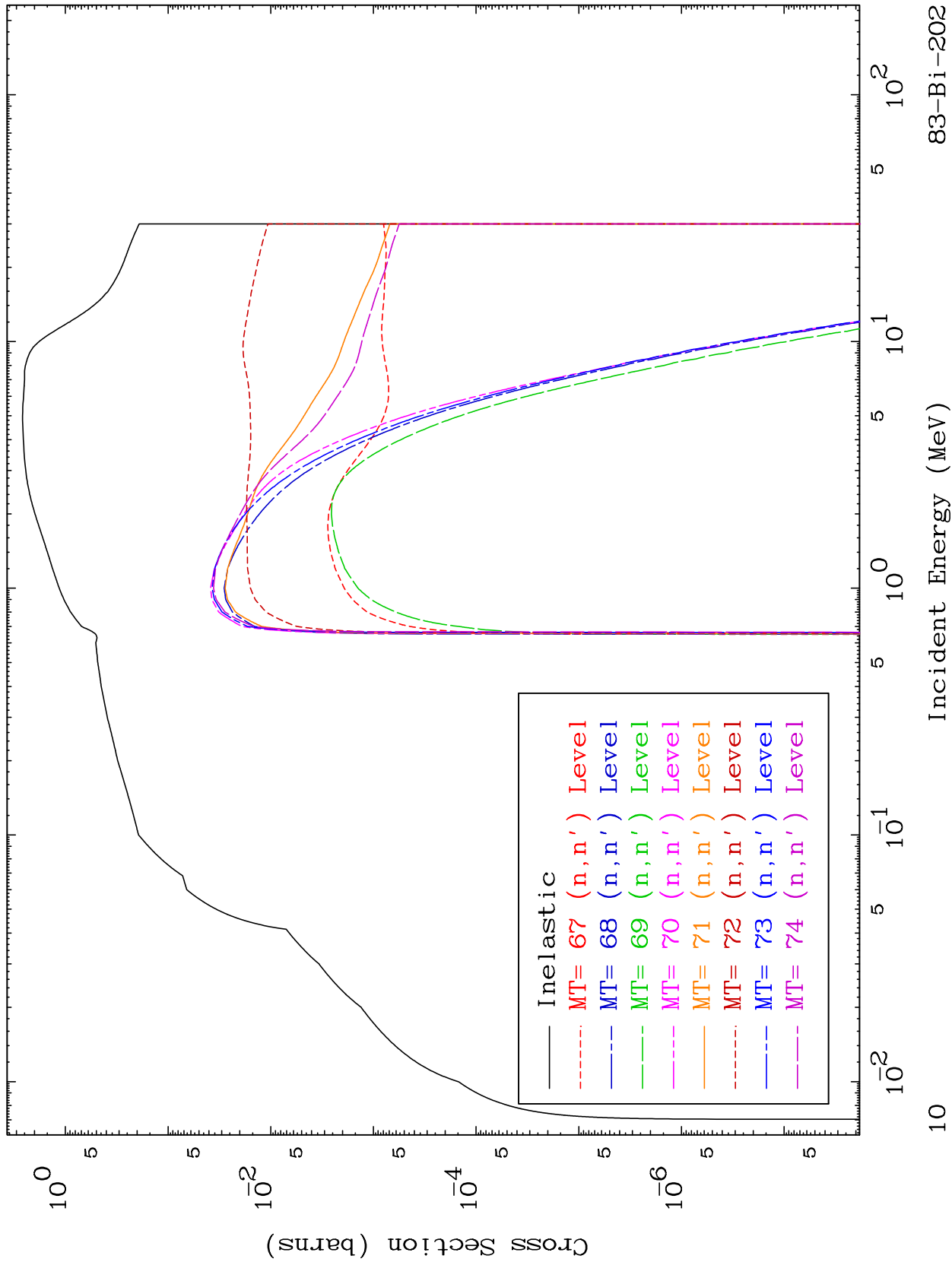
(n,n') Levels
293 Kelvin Cross Sections



MAT 8304

83-Bi-202

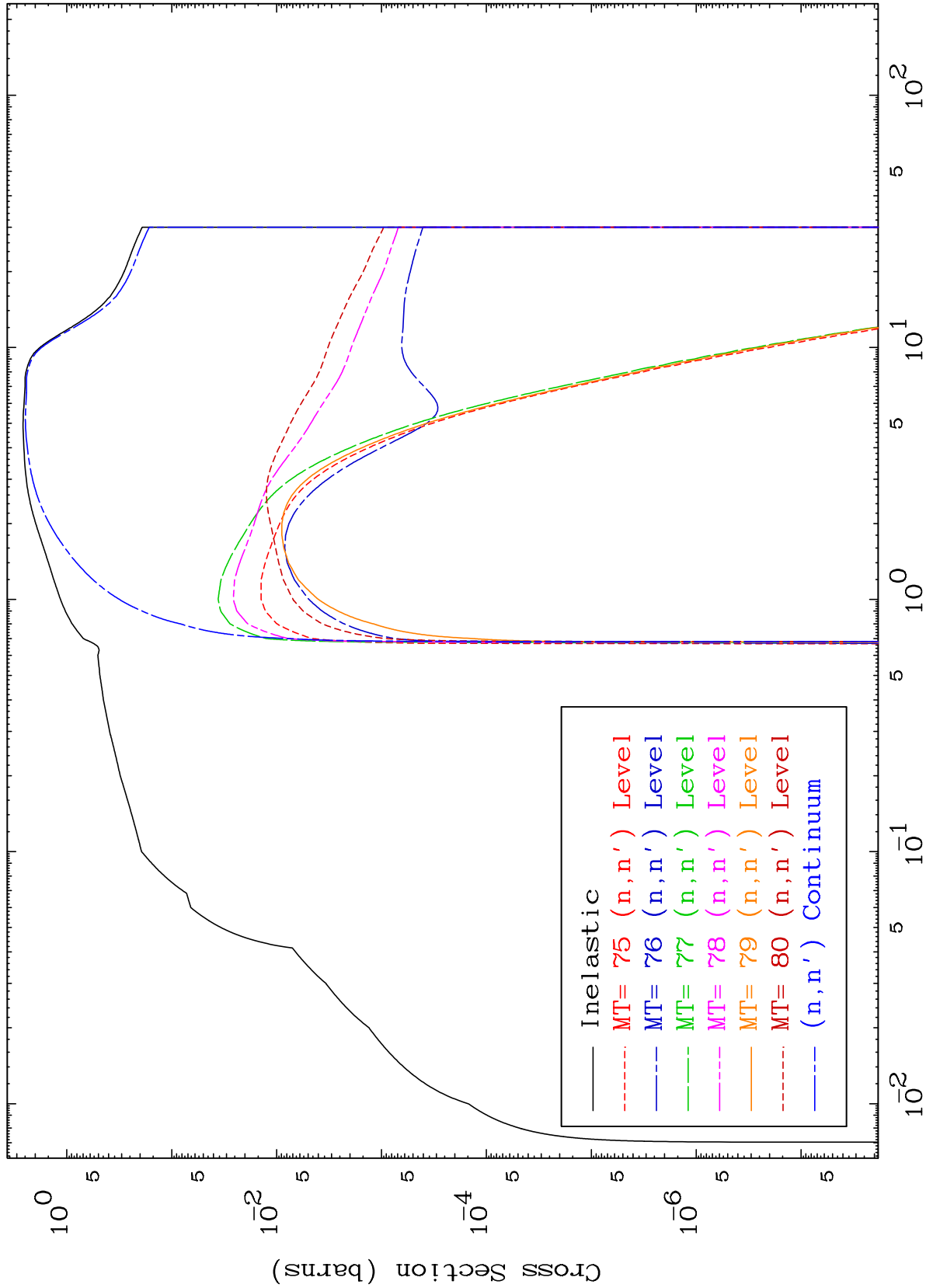
(n,n') Levels
293 Kelvin Cross Sections



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(n,n') Levels
293 Kelvin Cross Sections



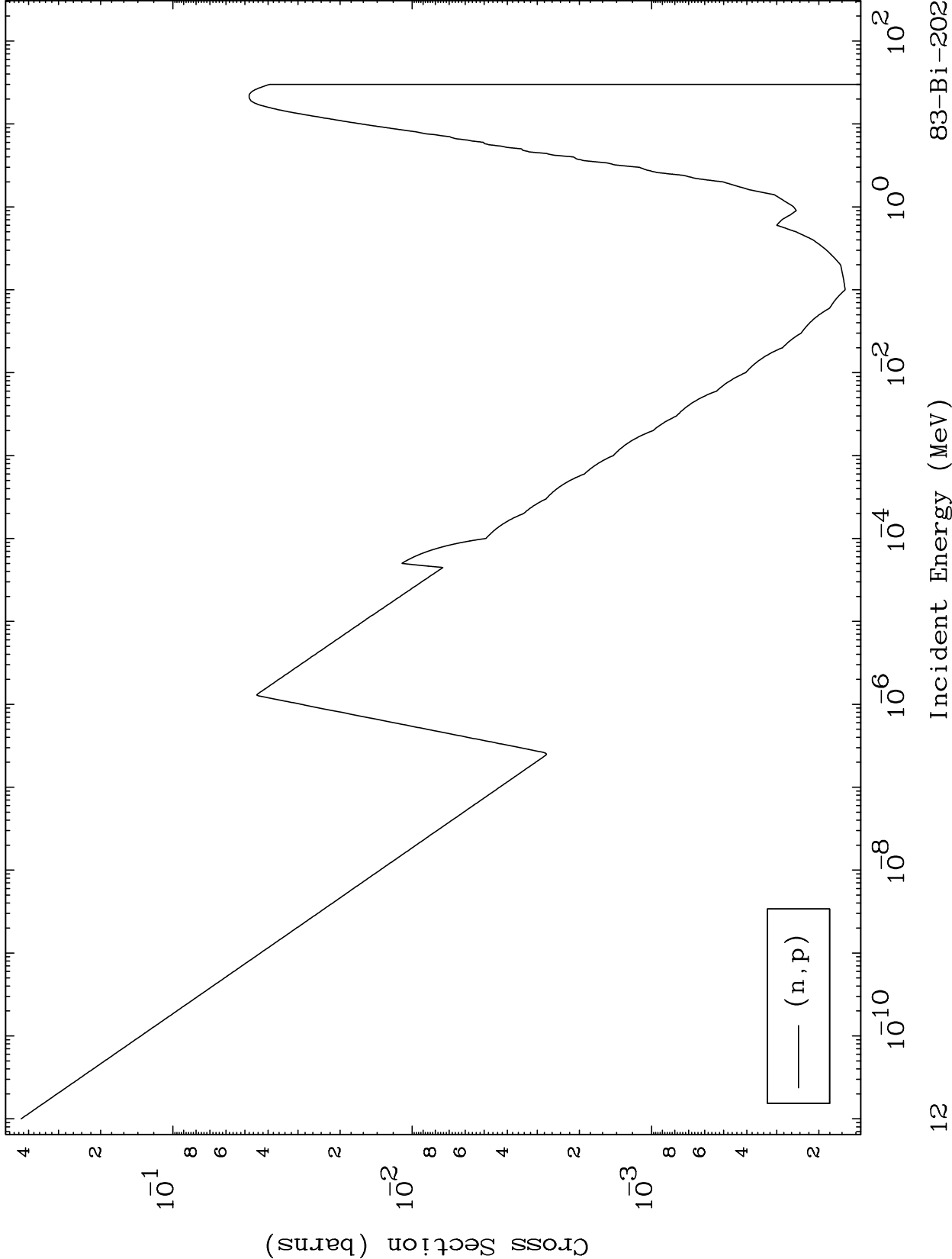
11

83-Bi-202

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(n,p) Levels
293 Kelvin Cross Sections

83-Bi-202



12

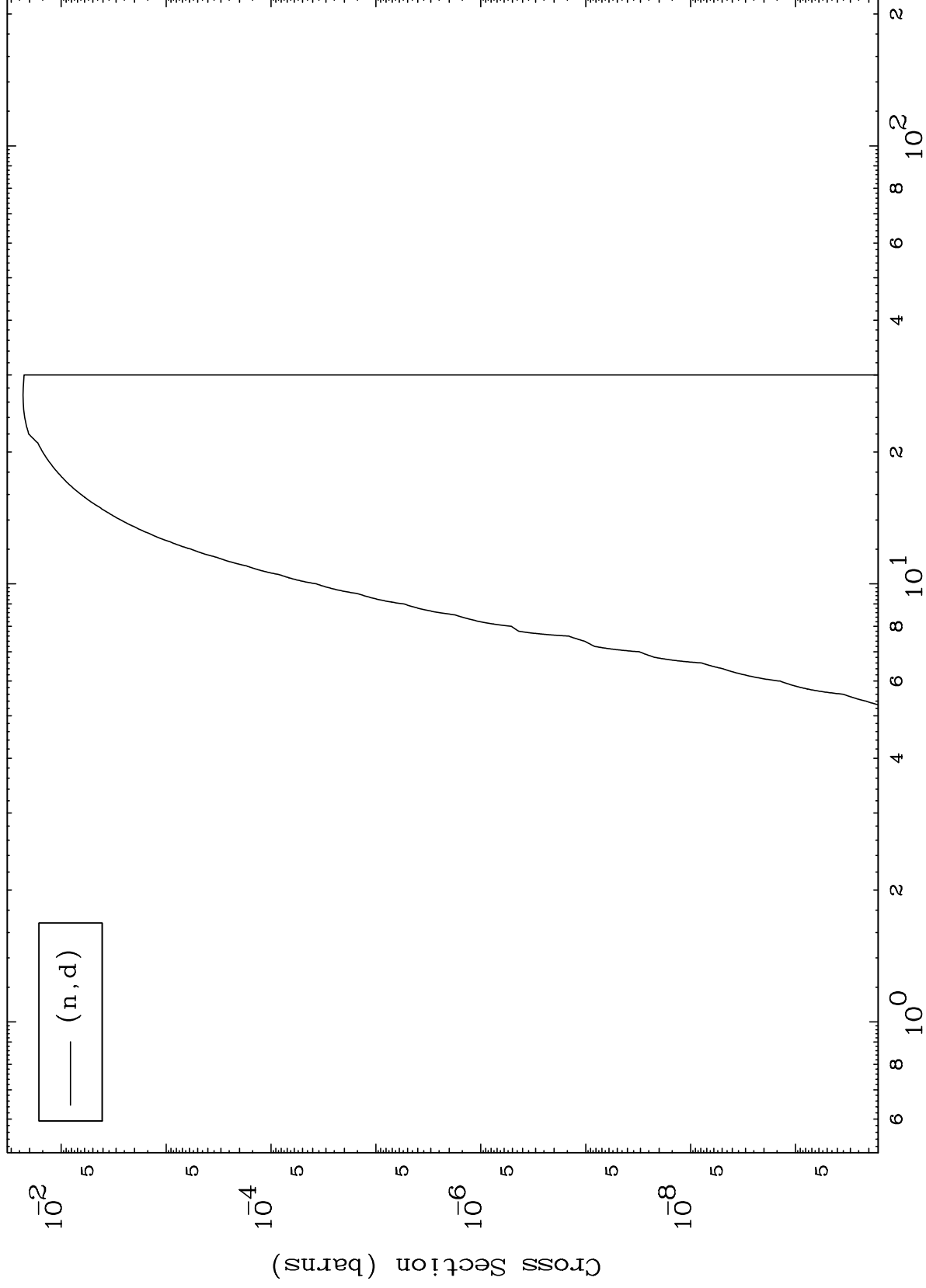
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

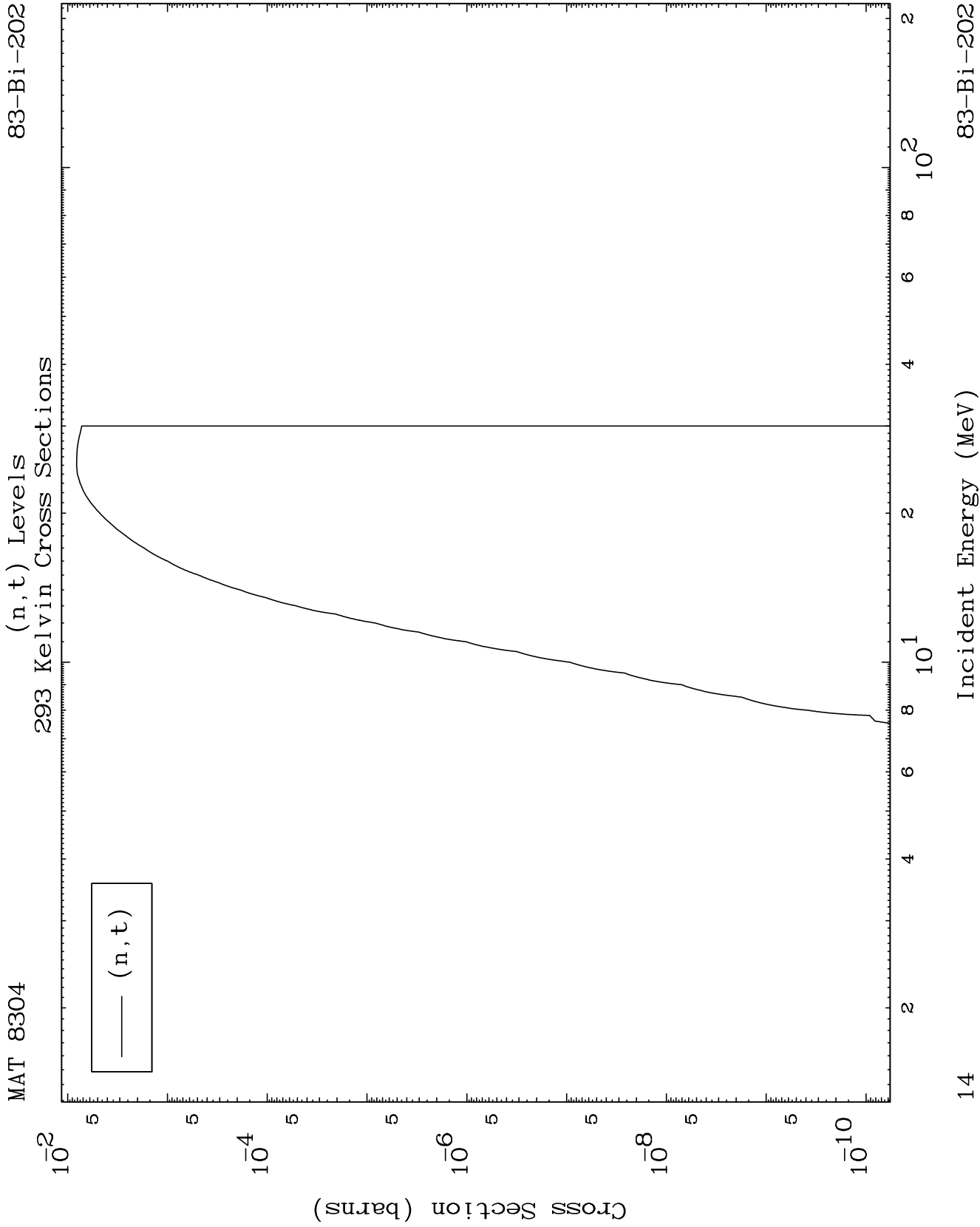
(n,d) Levels
293 Kelvin Cross Sections



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Incident Energy (MeV)

83-Bi-202

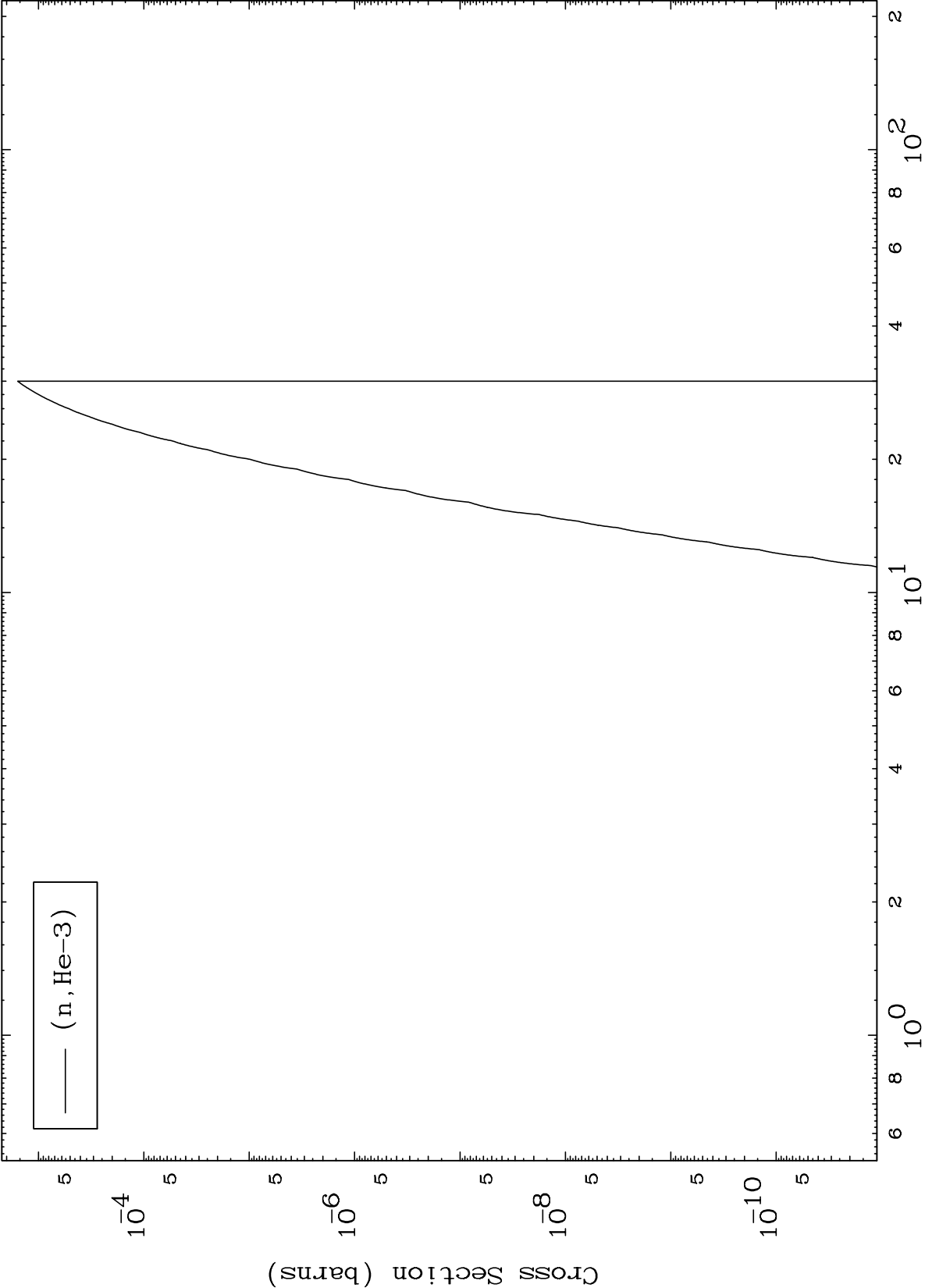


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(n,He3) Levels

83-Bi-202

293 Kelvin Cross Sections



15

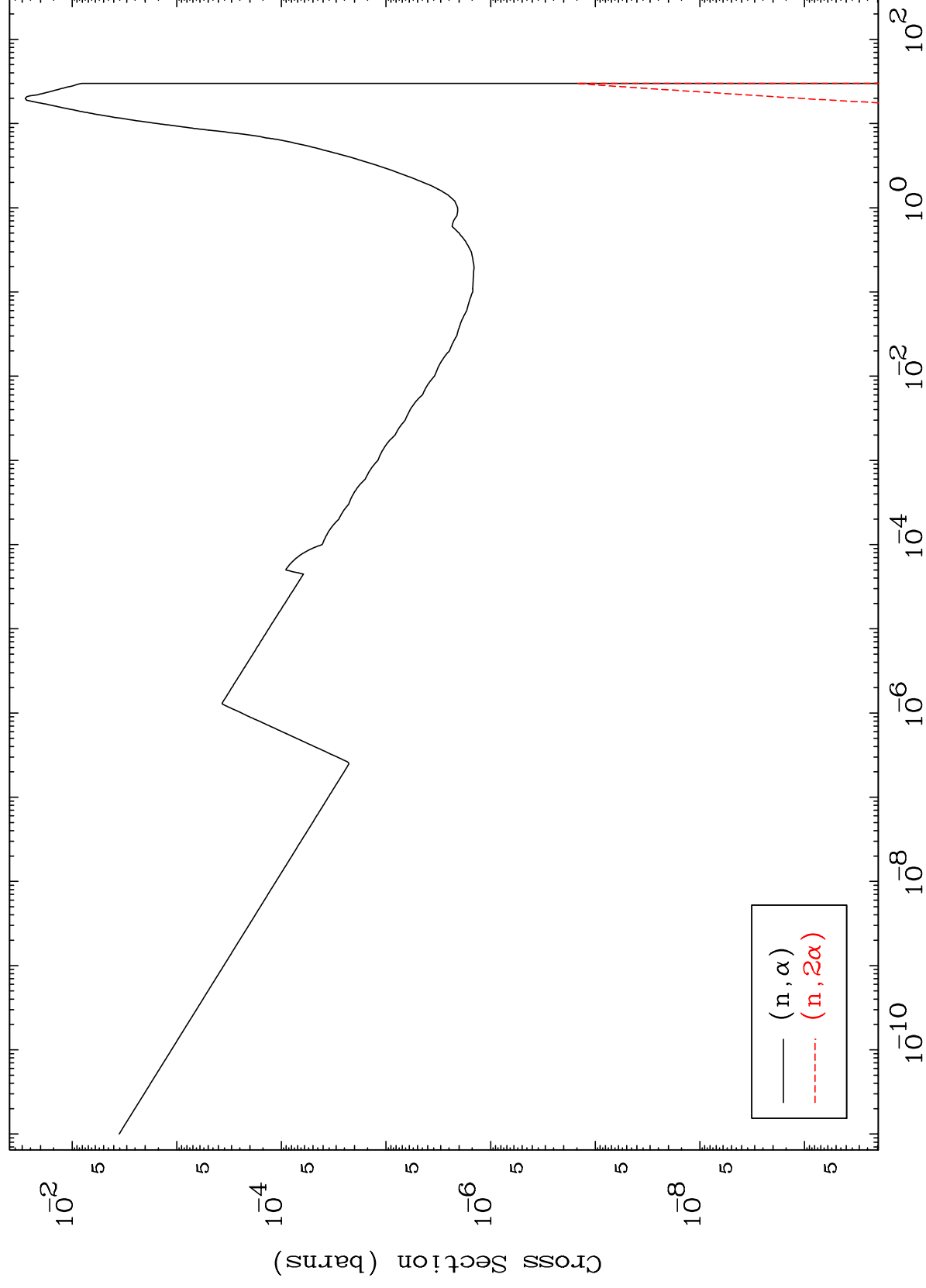
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n, α) Levels
293 Kelvin Cross Sections

83-Bi-202



16

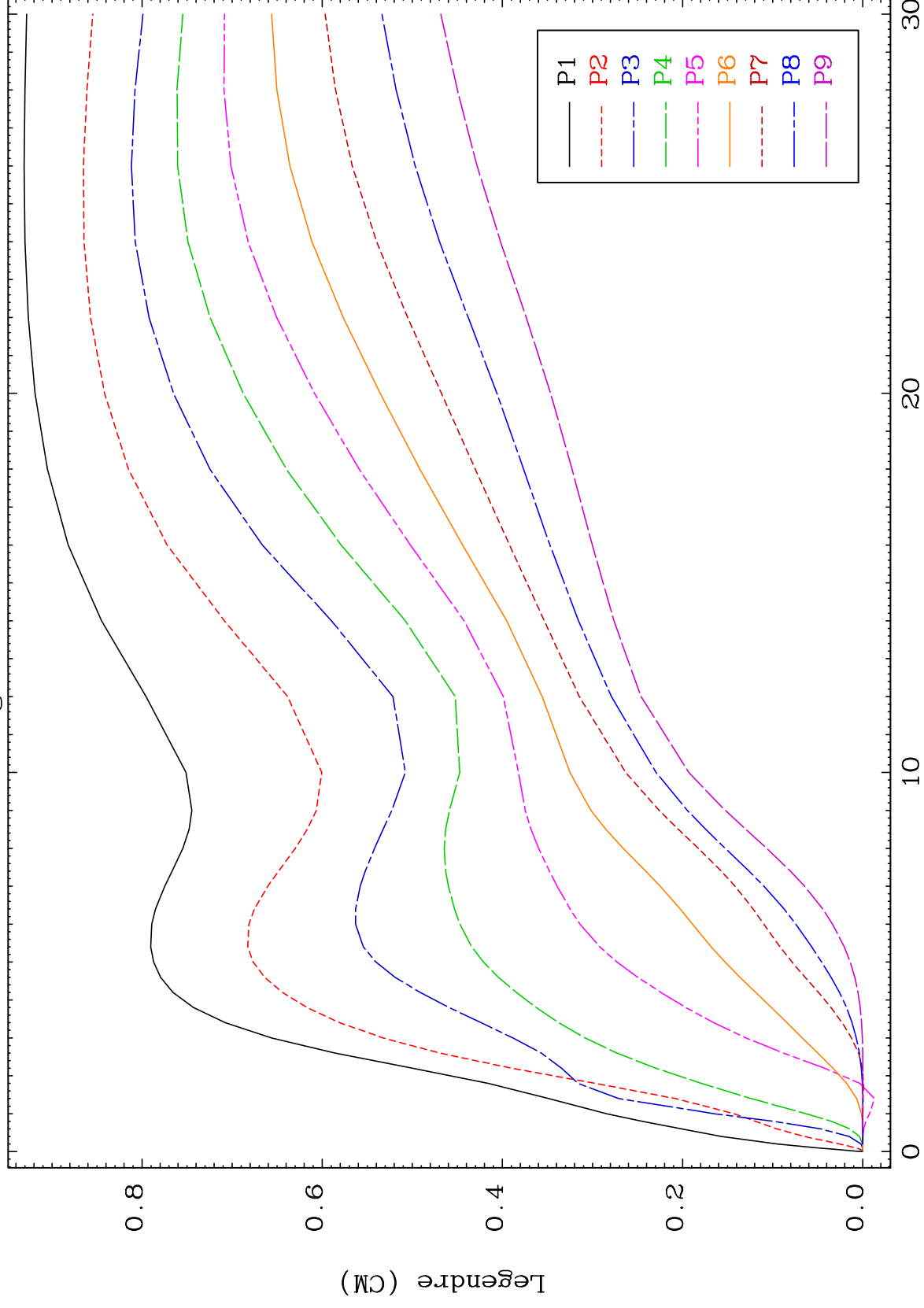
Incident Energy (MeV)

83-Bi-202

MAT 8304

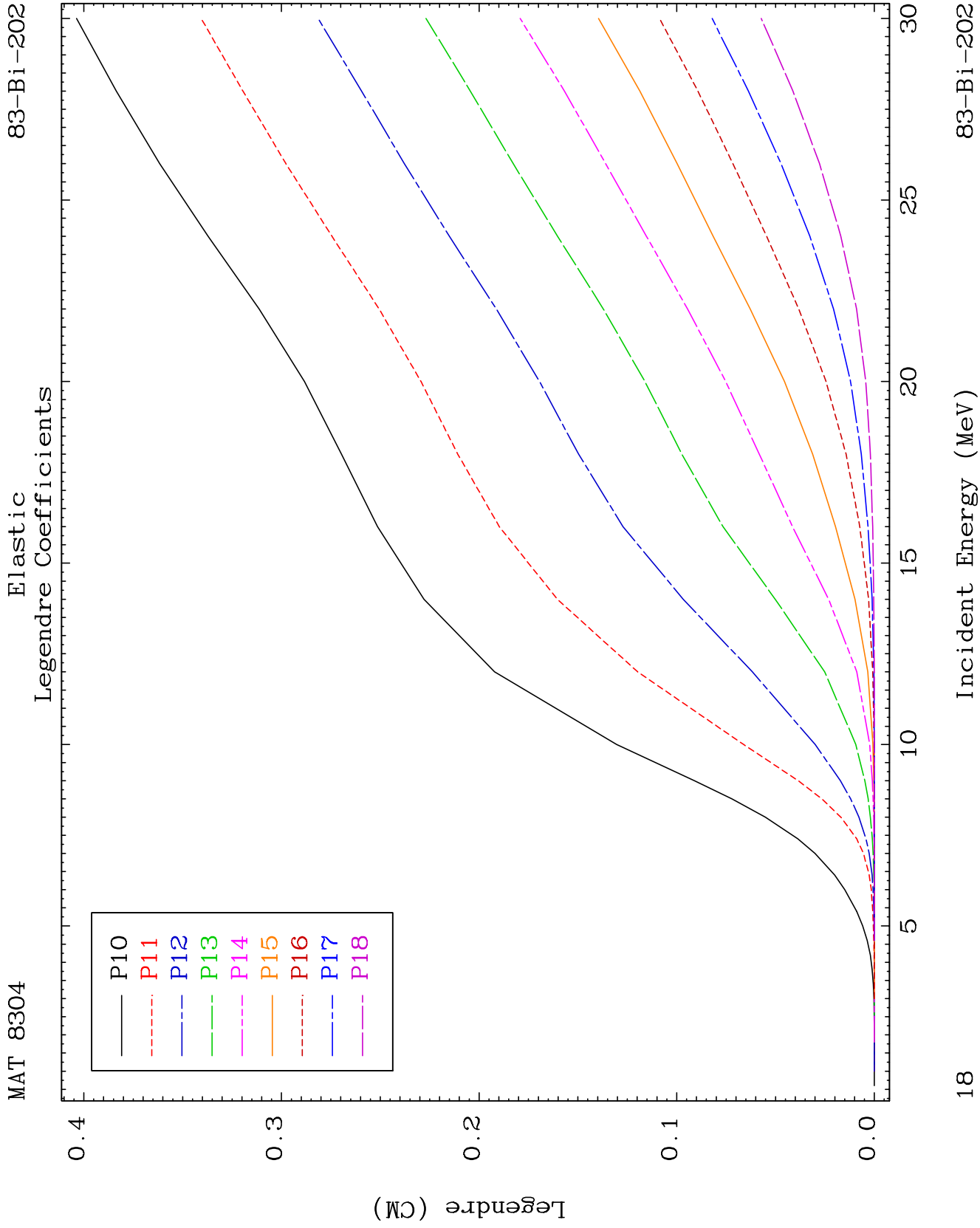
83-Bi-202

Elastic Legendre Coefficients



83-Bi-202

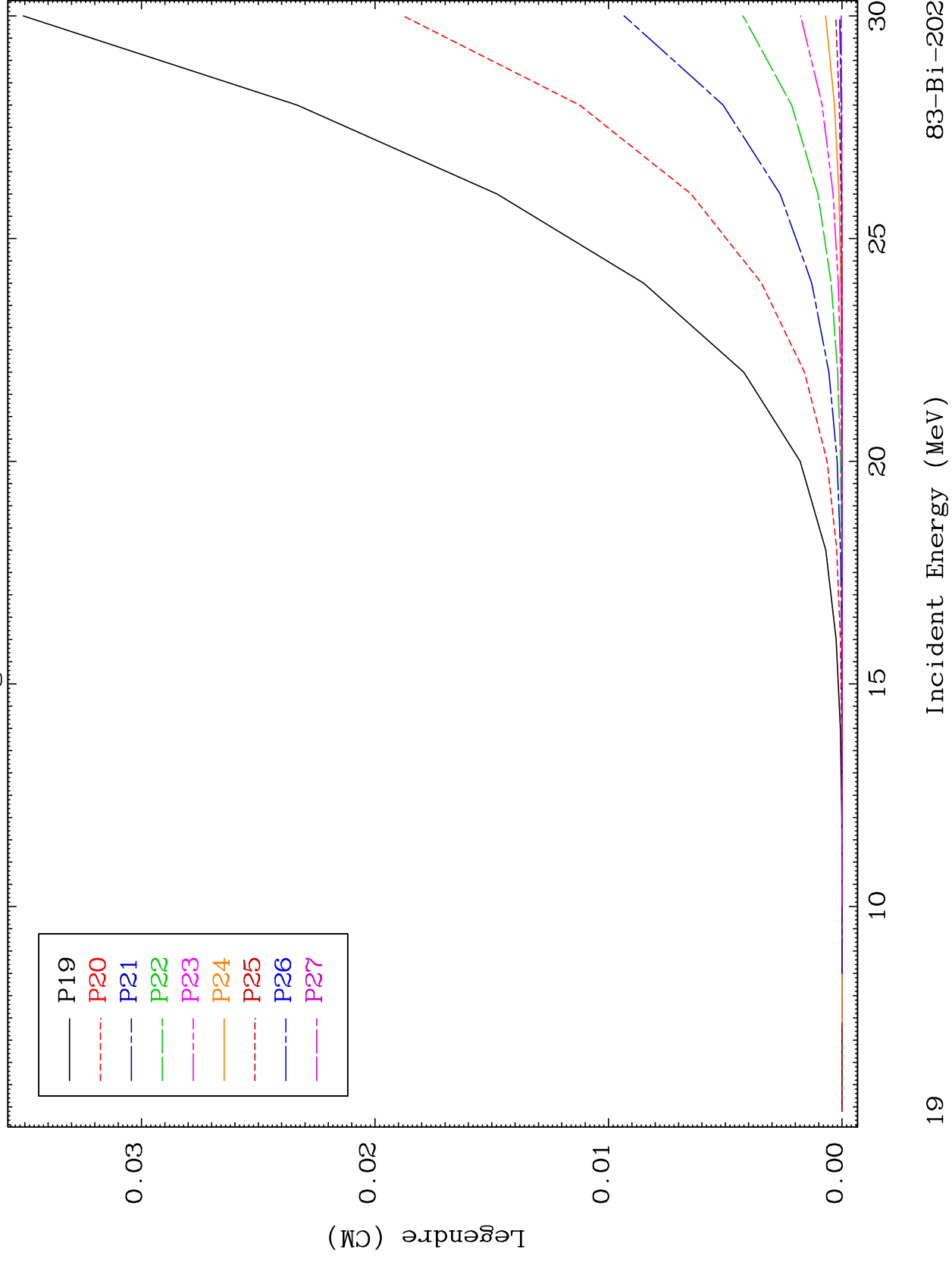
Incident Energy (MeV)

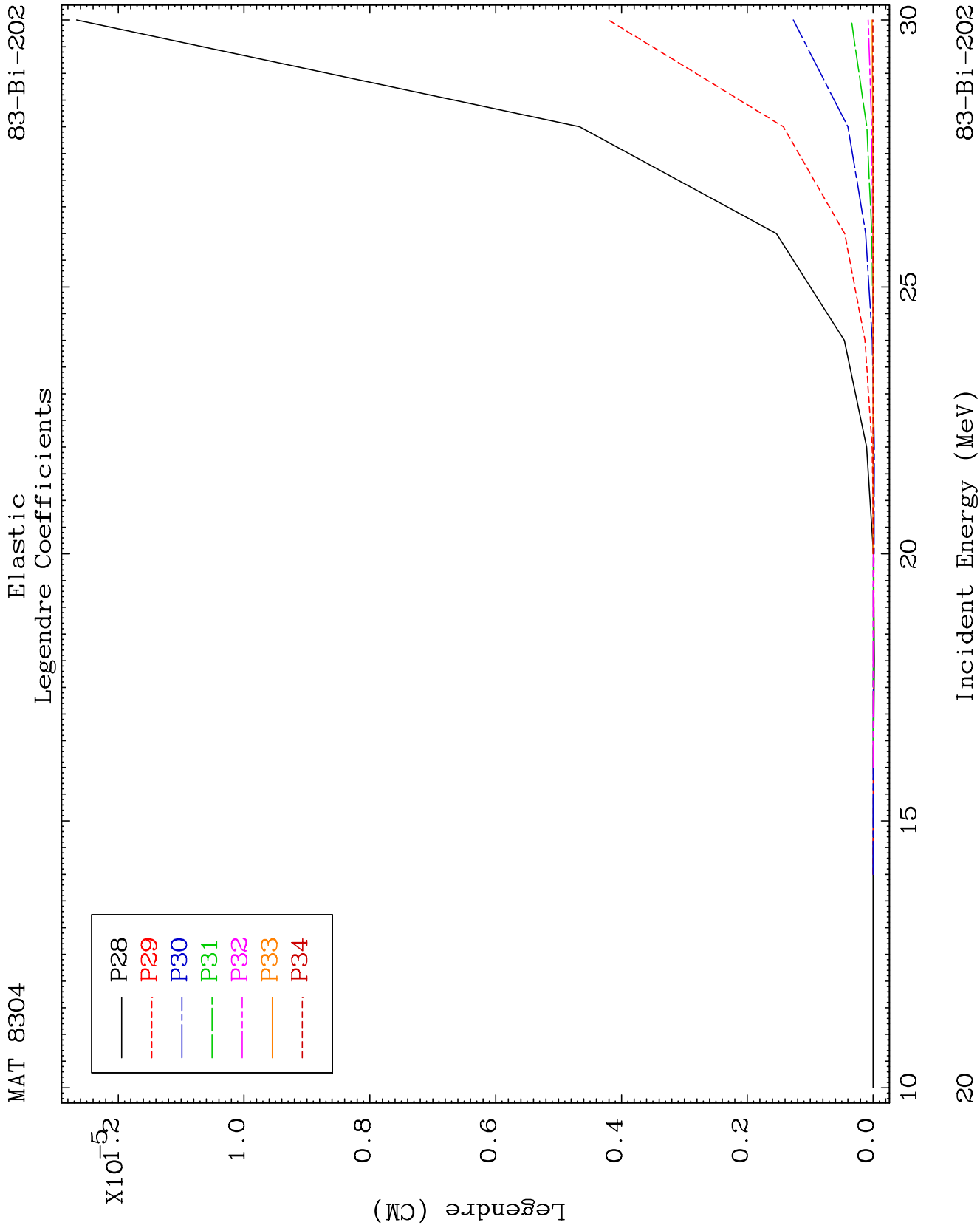


MAT 8304

Elastic Legendre Coefficients

83-Bi-202

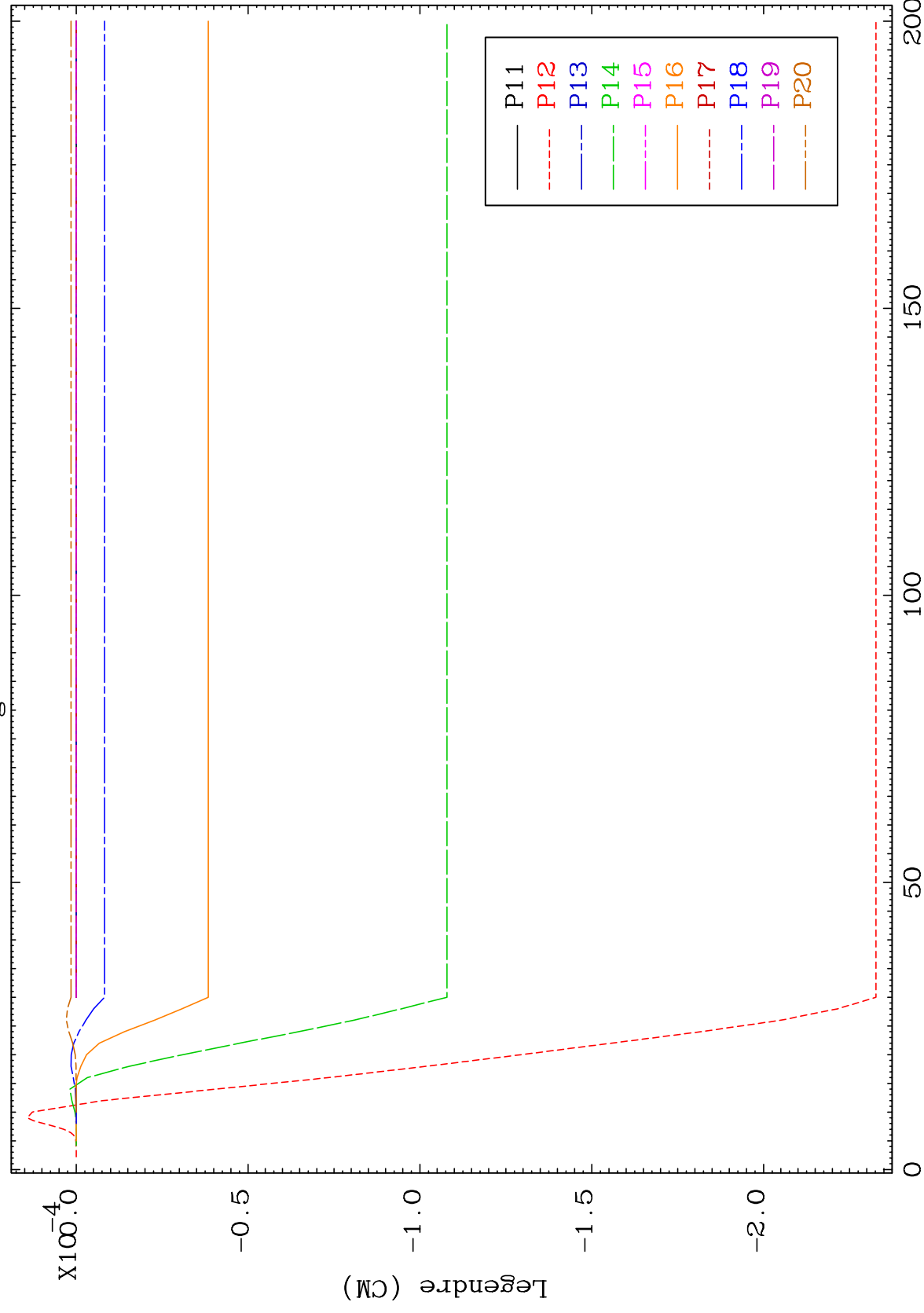




MAT 8304

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

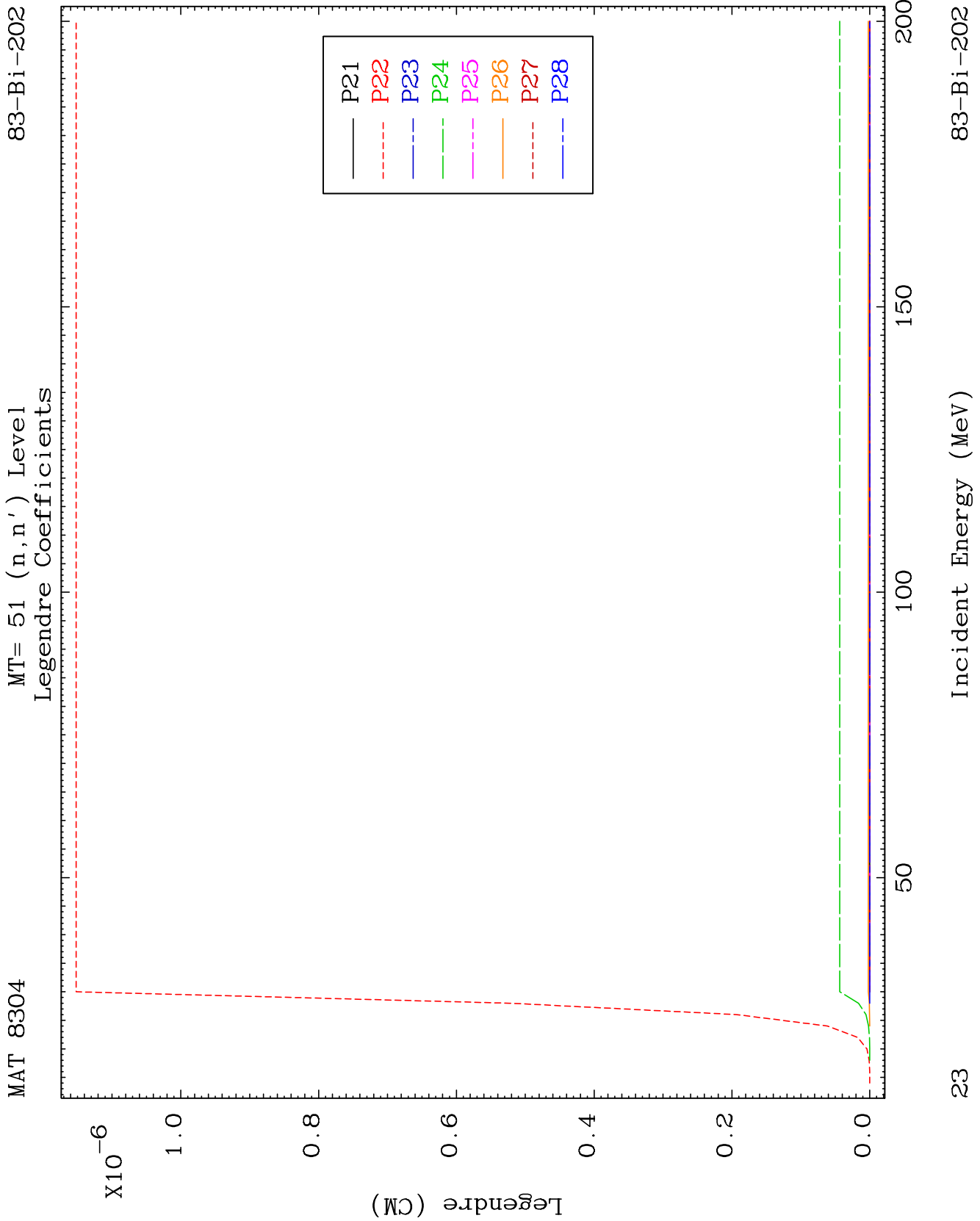
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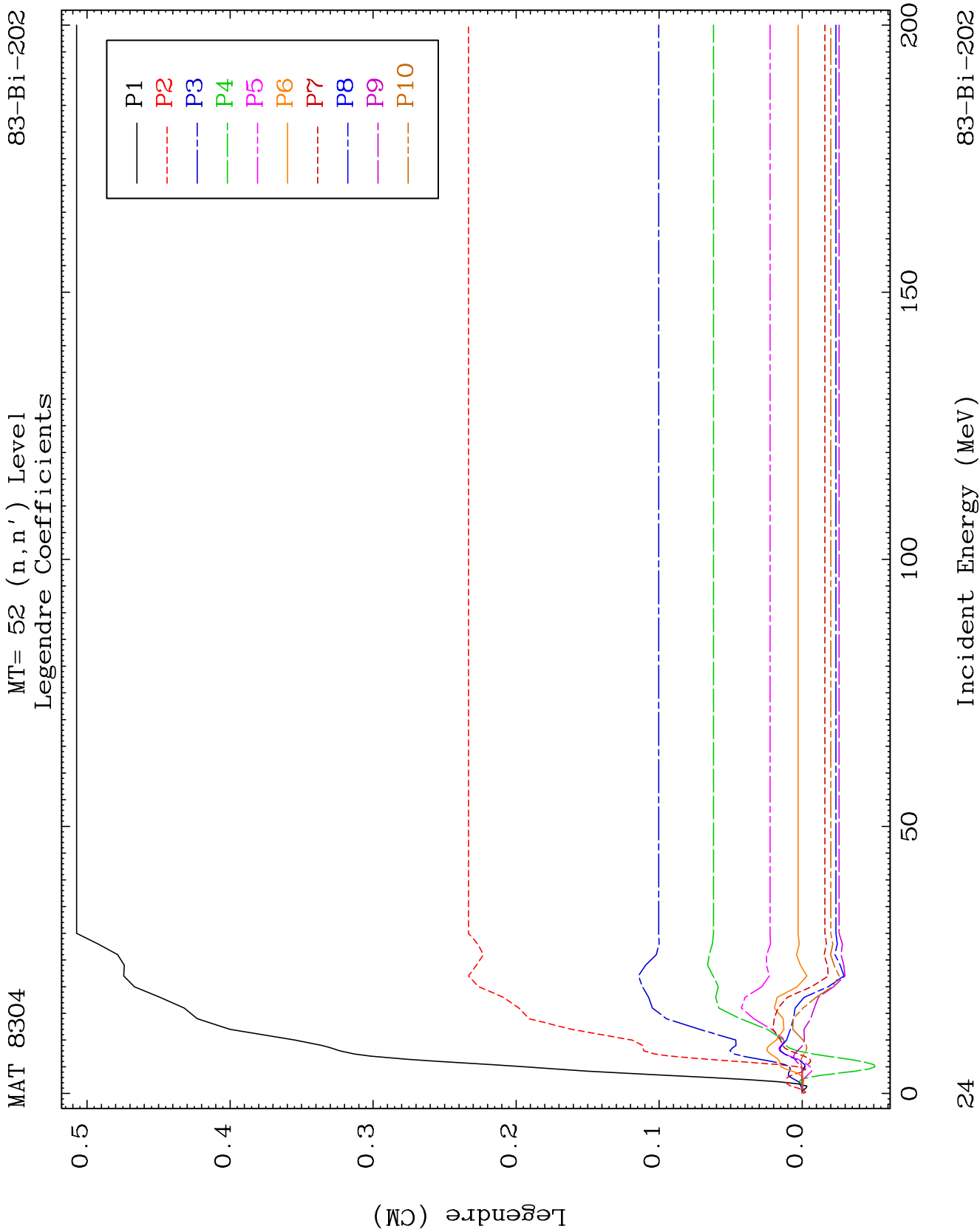


22

Incident Energy (MeV)

83-Bi-202

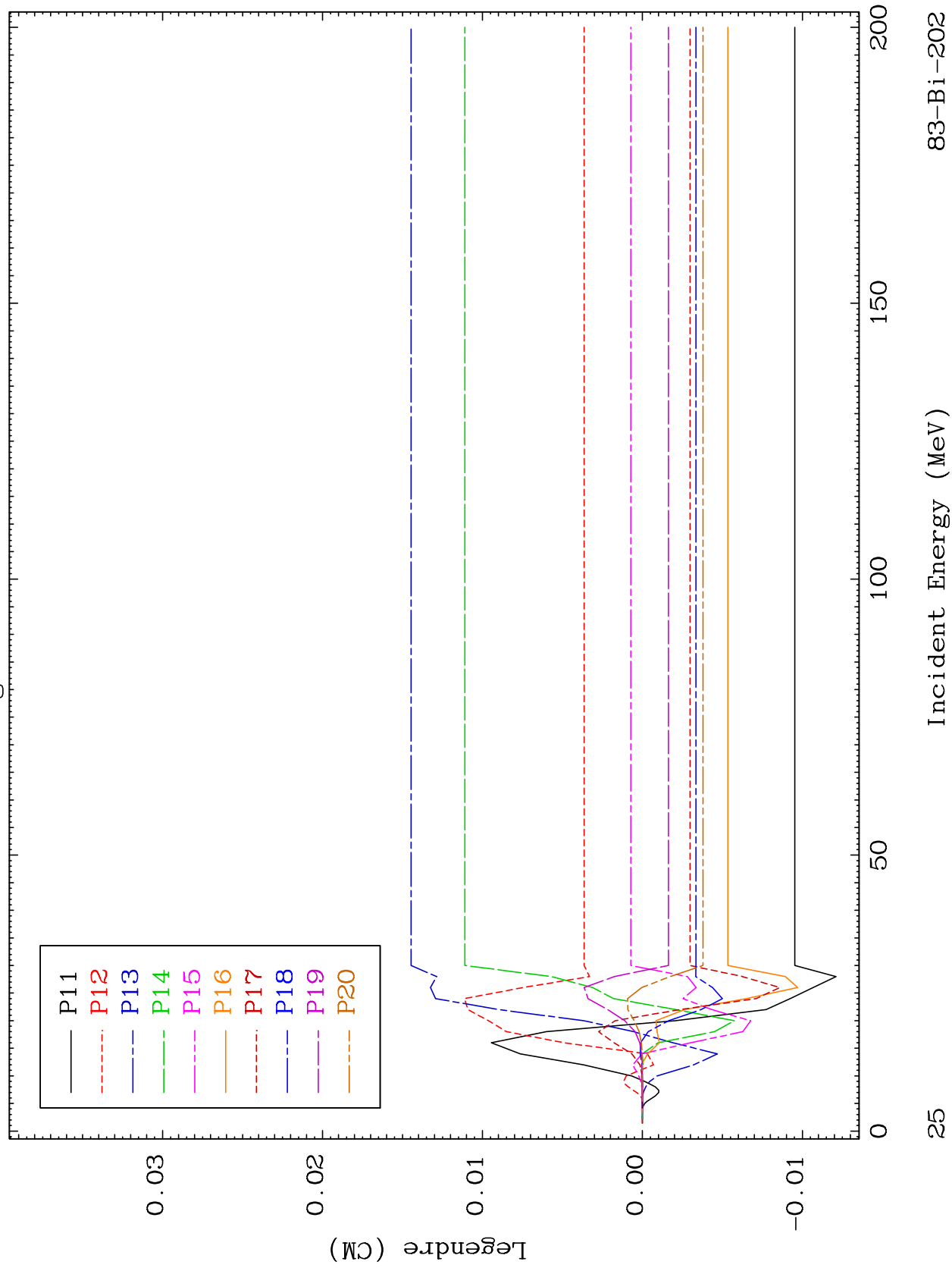




MAT 8304

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

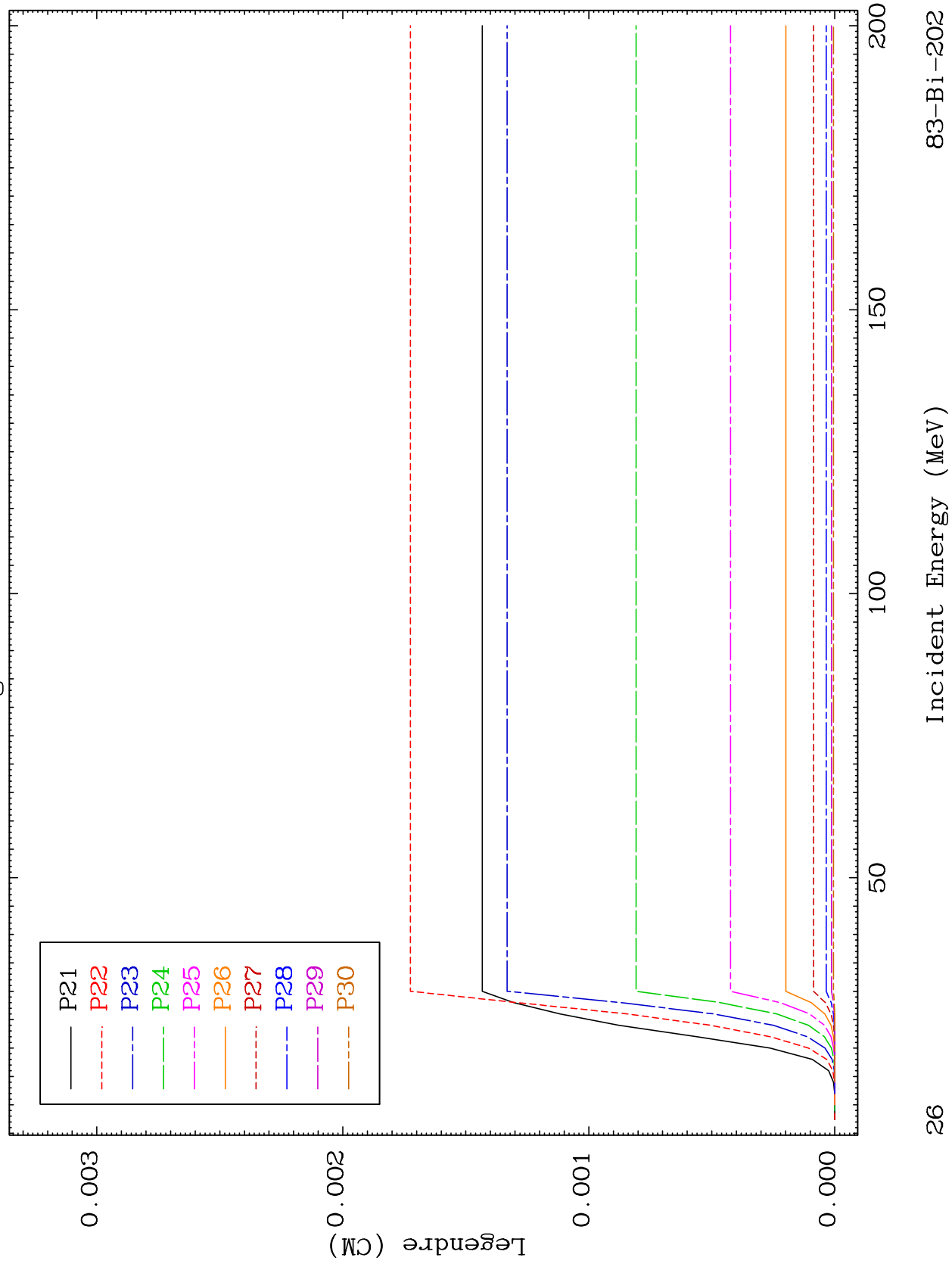
83-Bi-202



MAT 8304

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

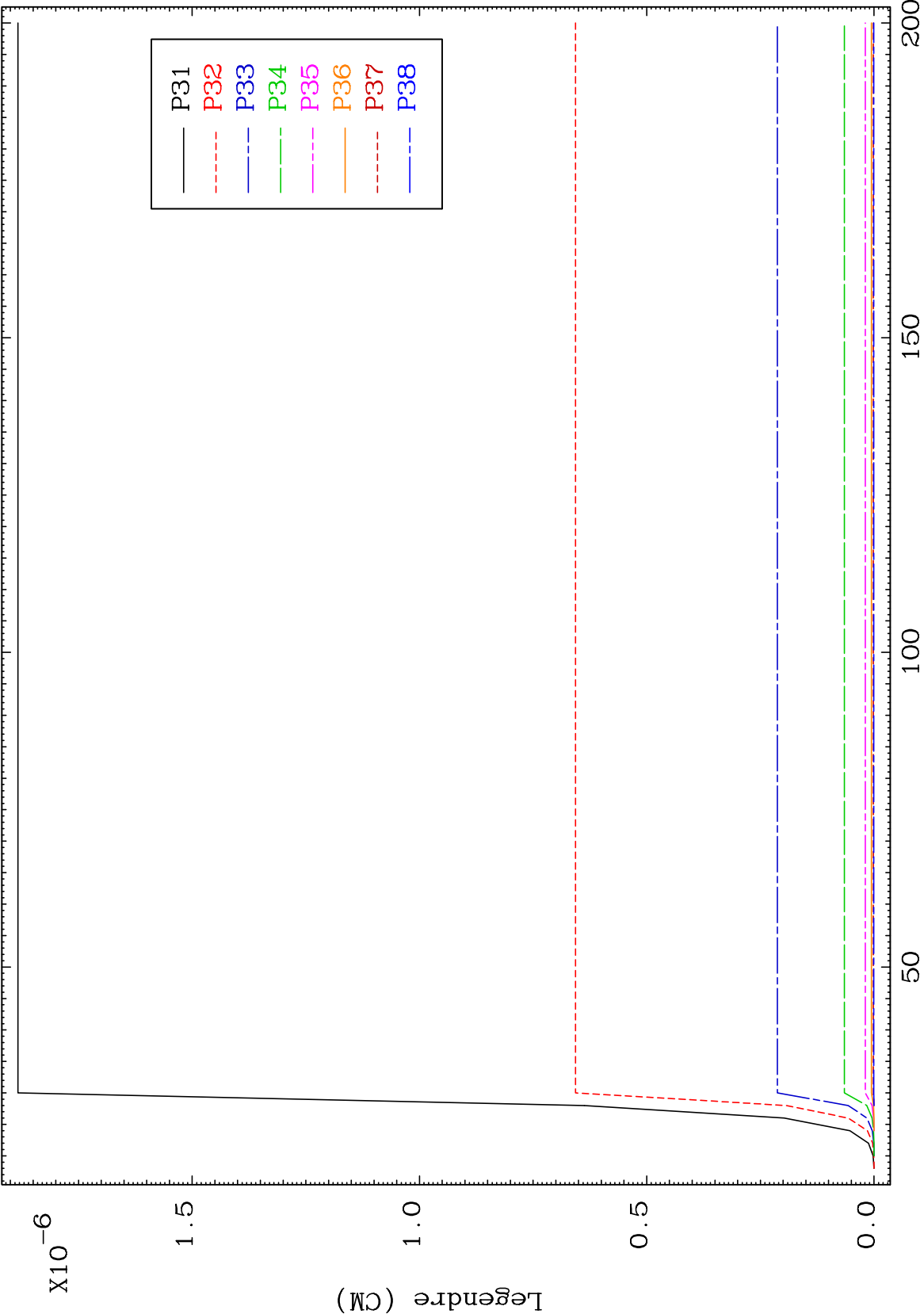
83-Bi-202



MAT 8304

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

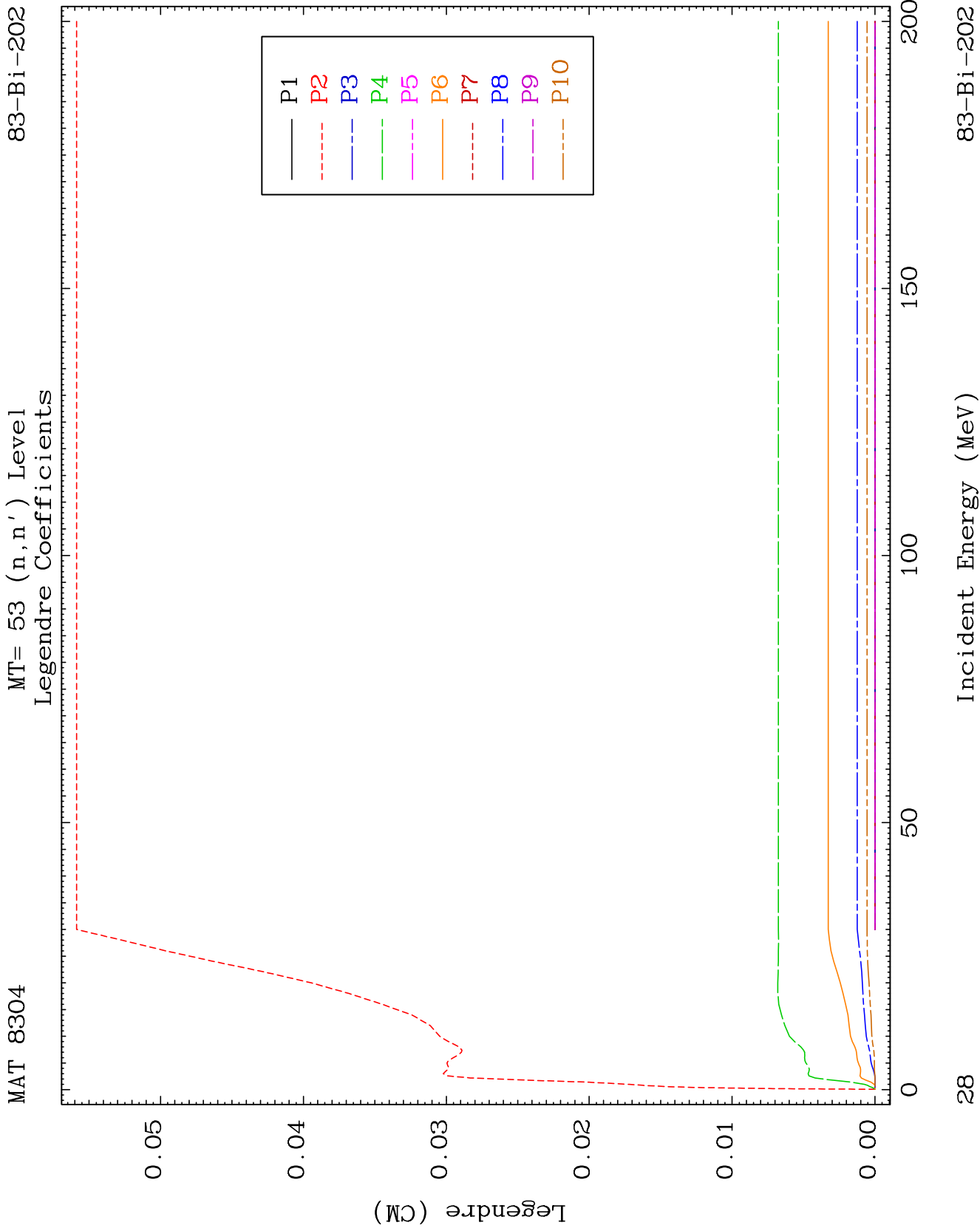
83-Bi-202



27

Incident Energy (MeV)

83-Bi-202

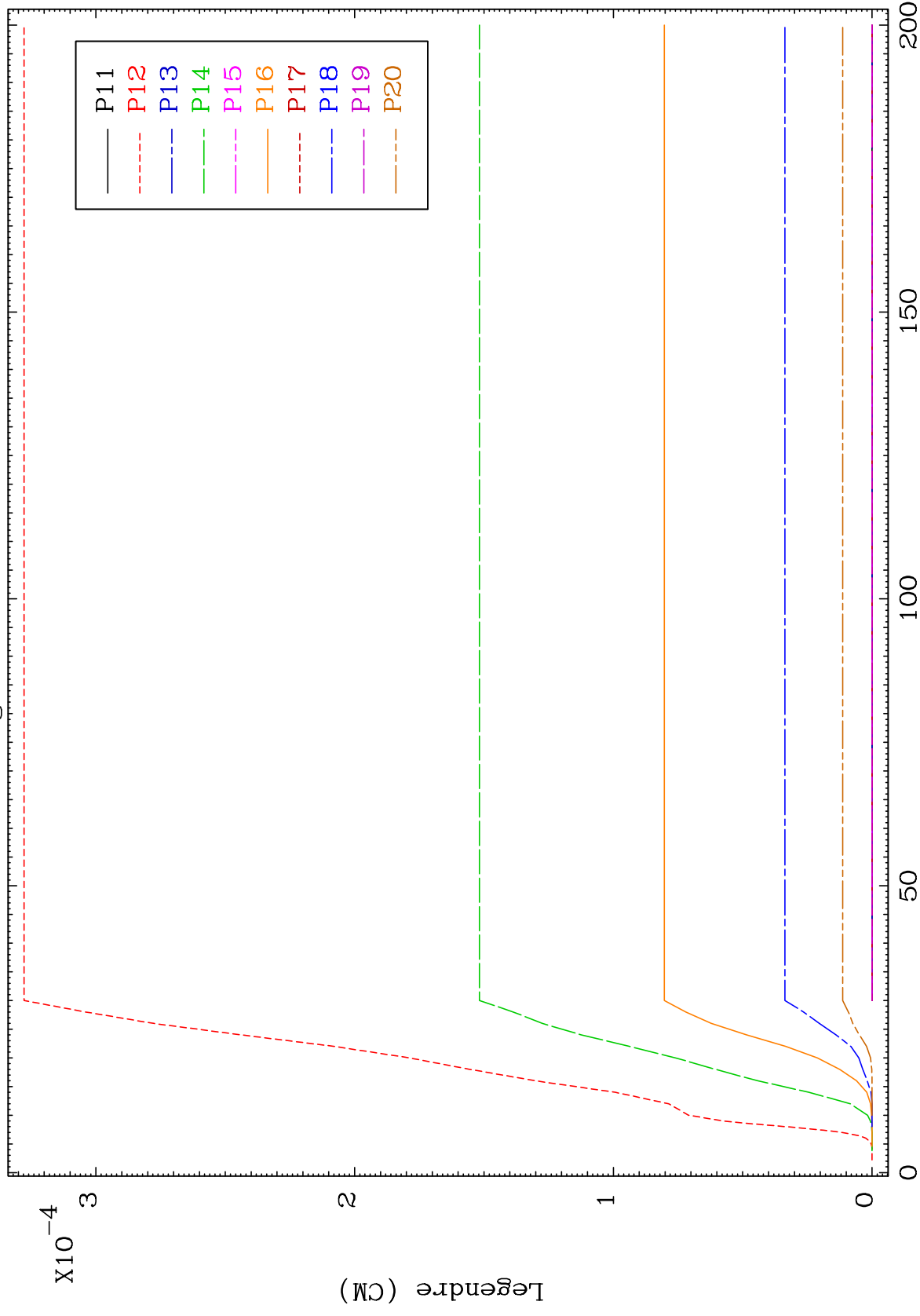


MAT 8304

MT= 53 (n, n') Level

83-Bi-202

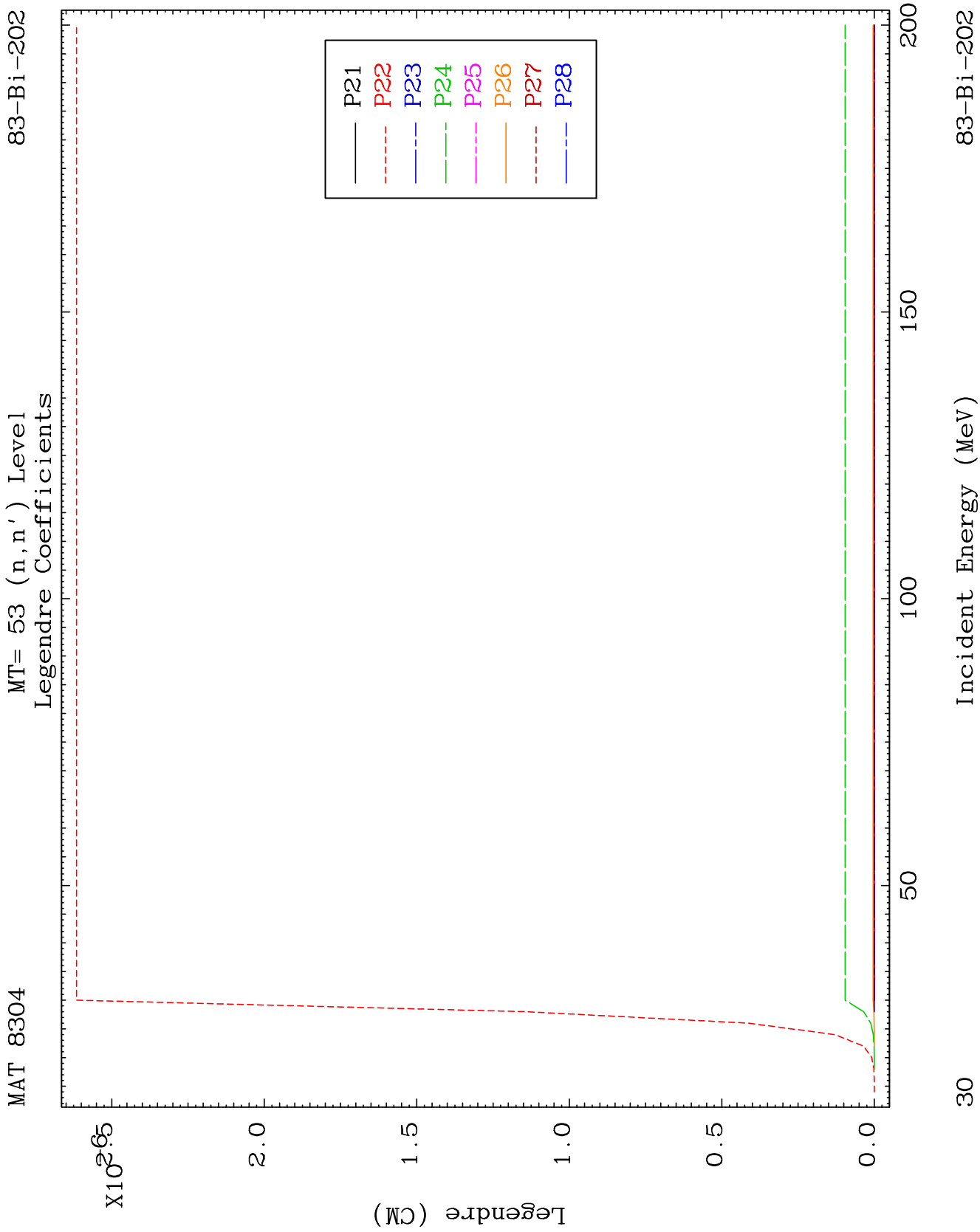
Legendre Coefficients



22

Incident Energy (MeV)

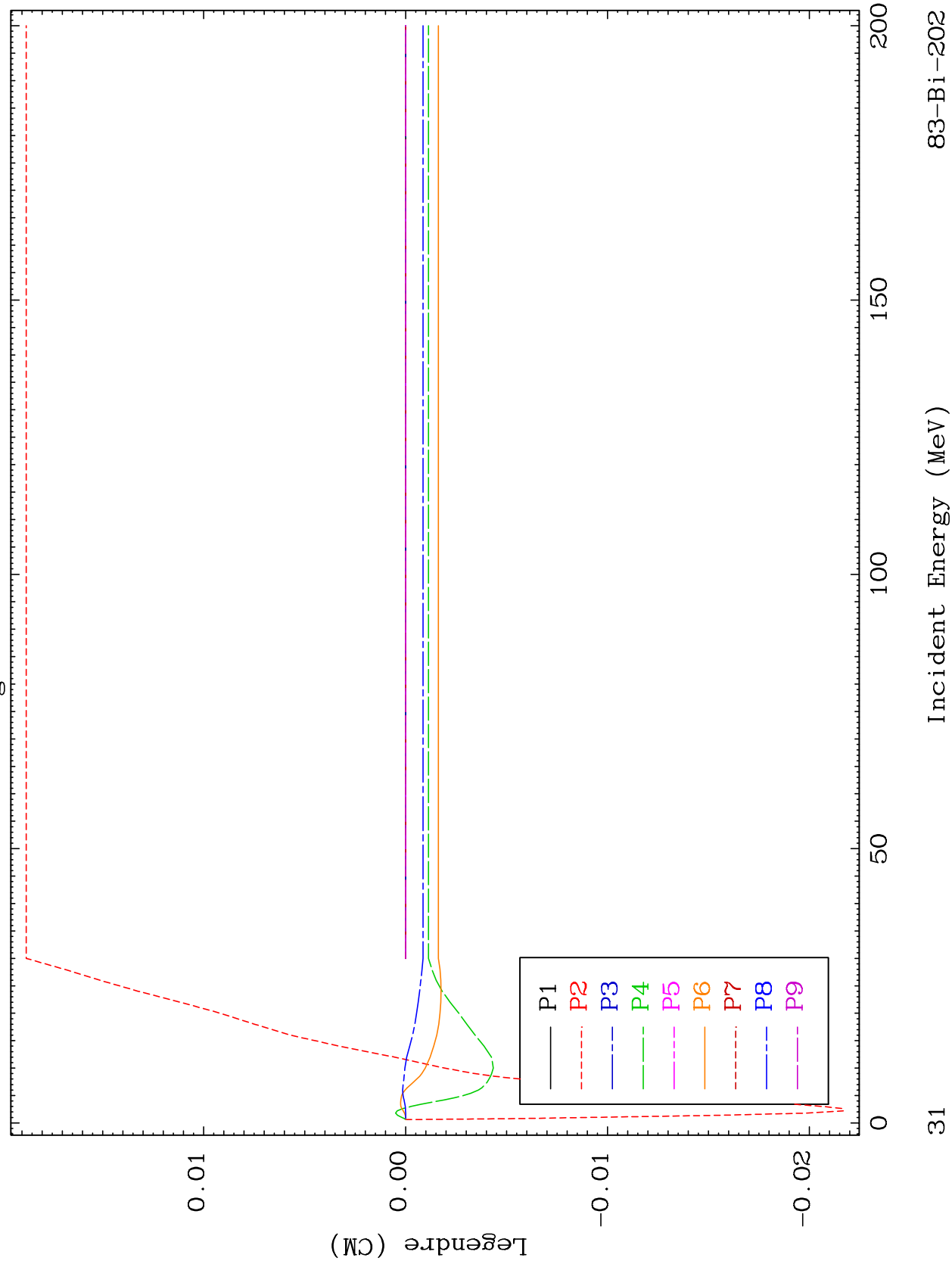
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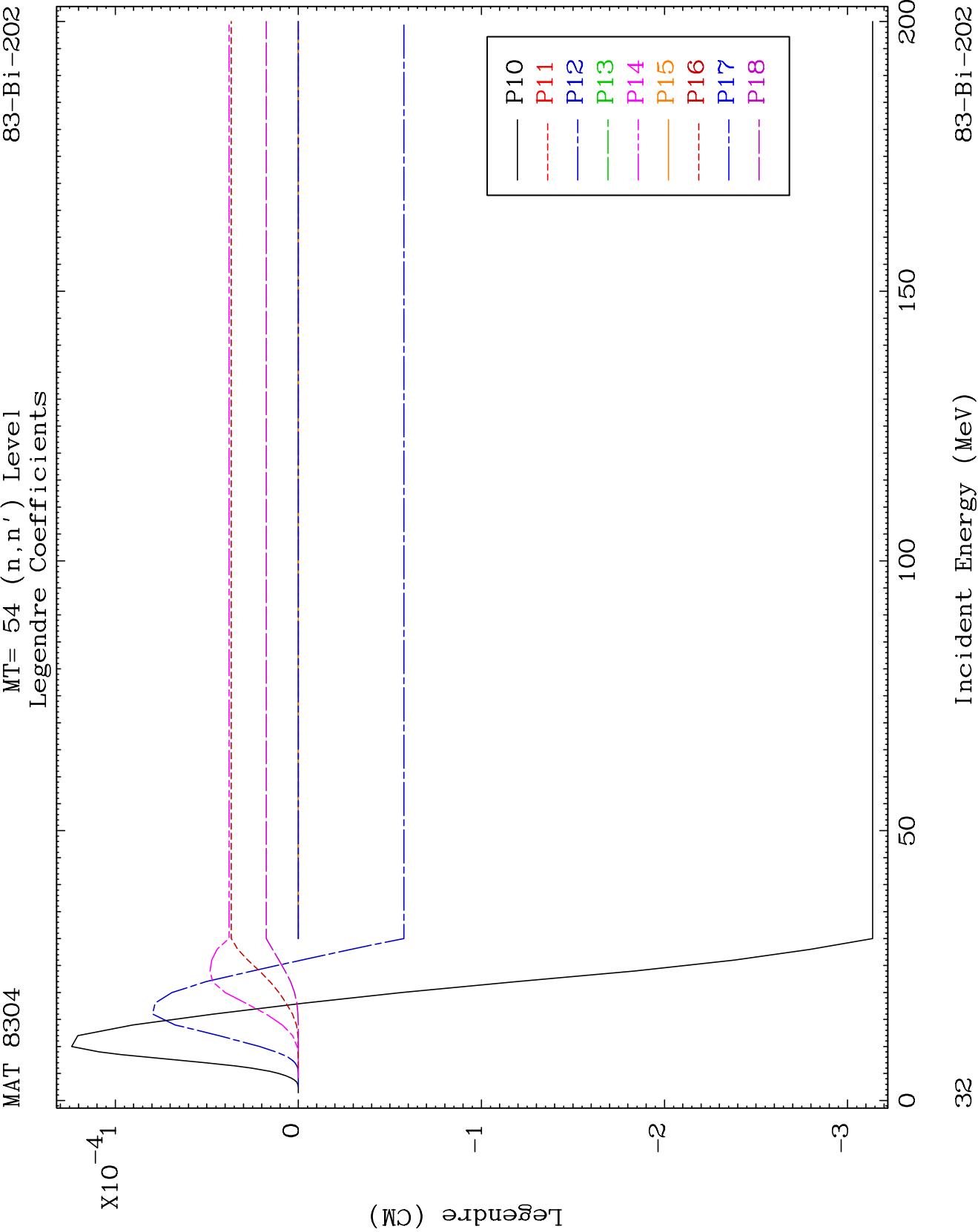


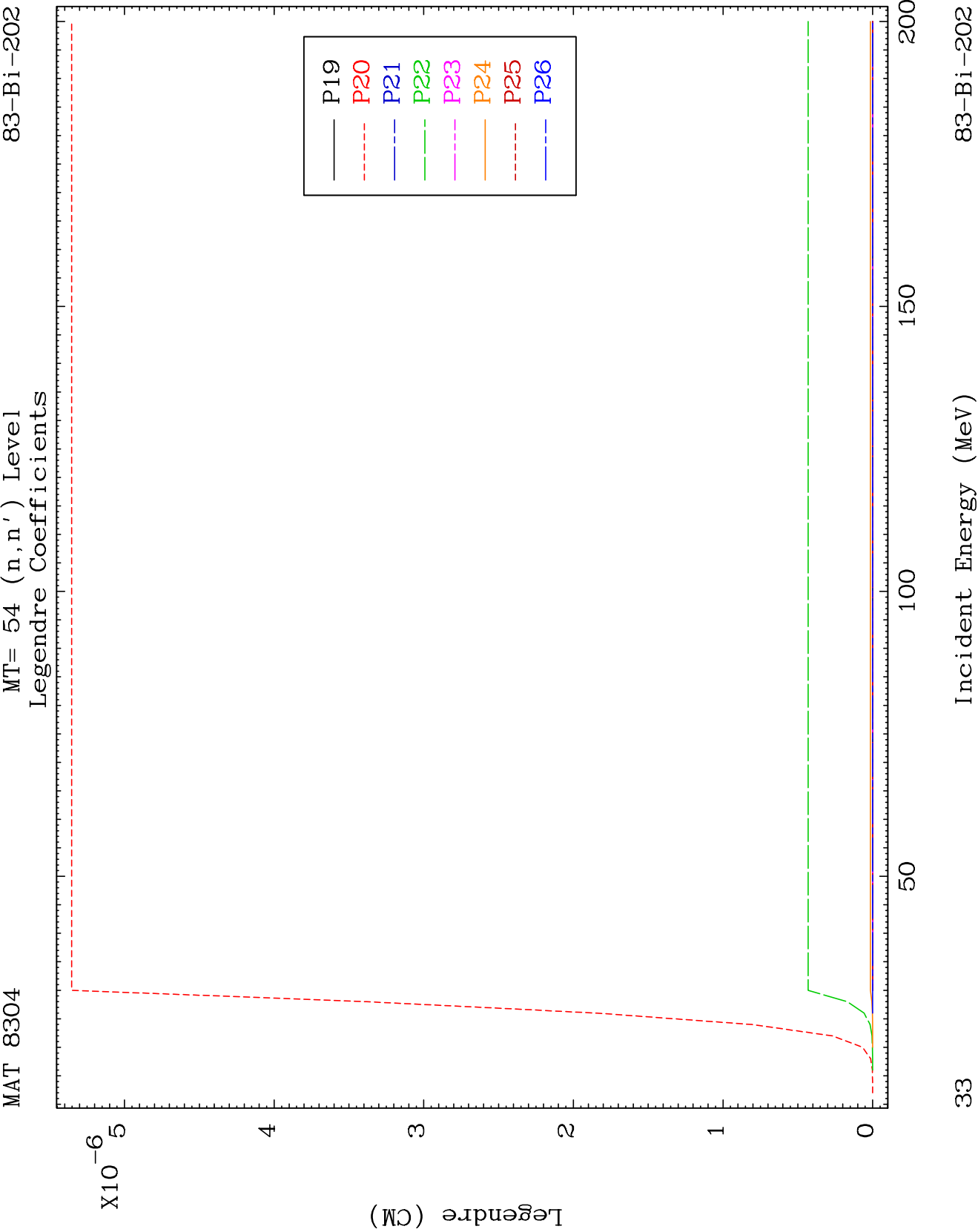
MAT 8304

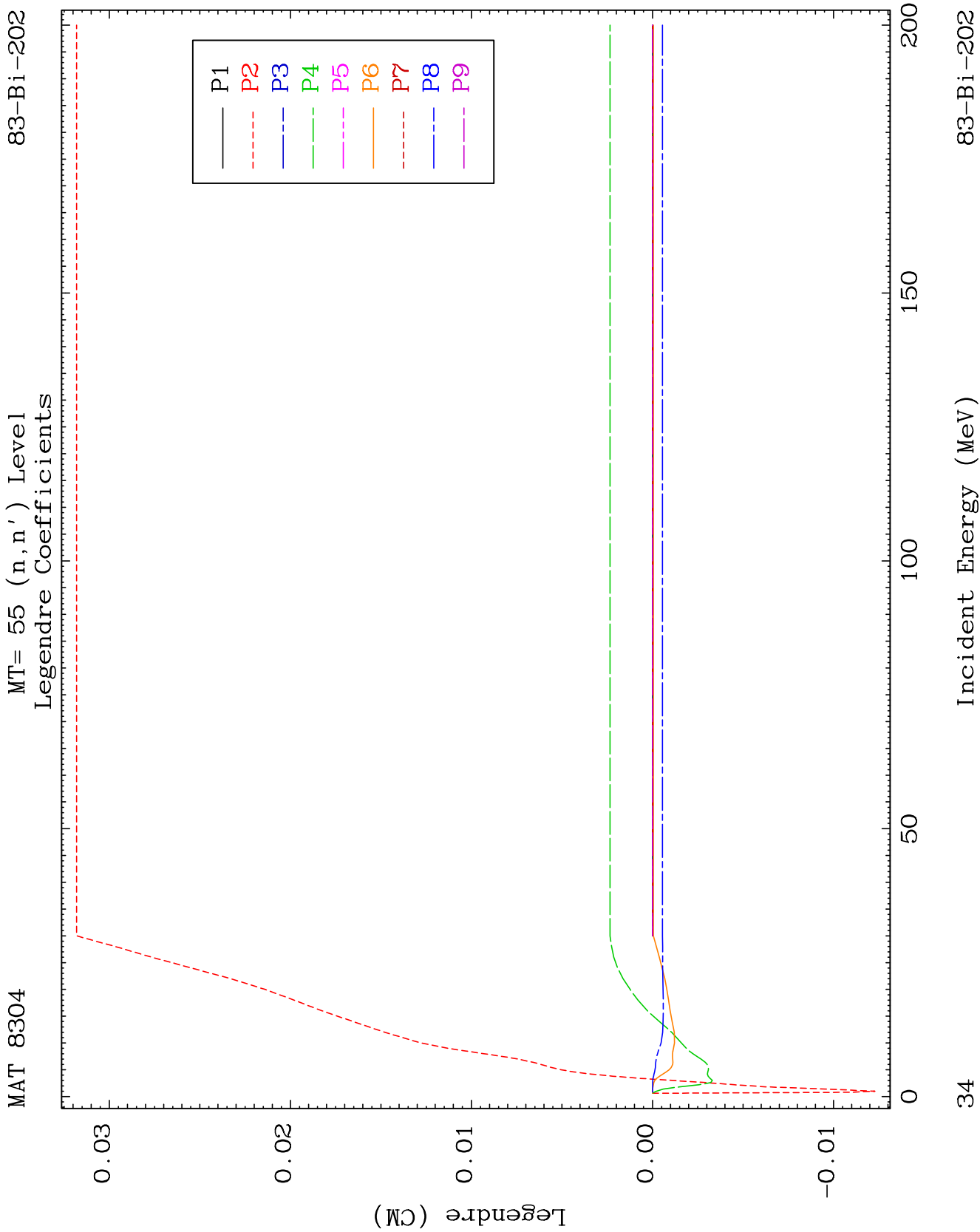
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Legendre Coefficients

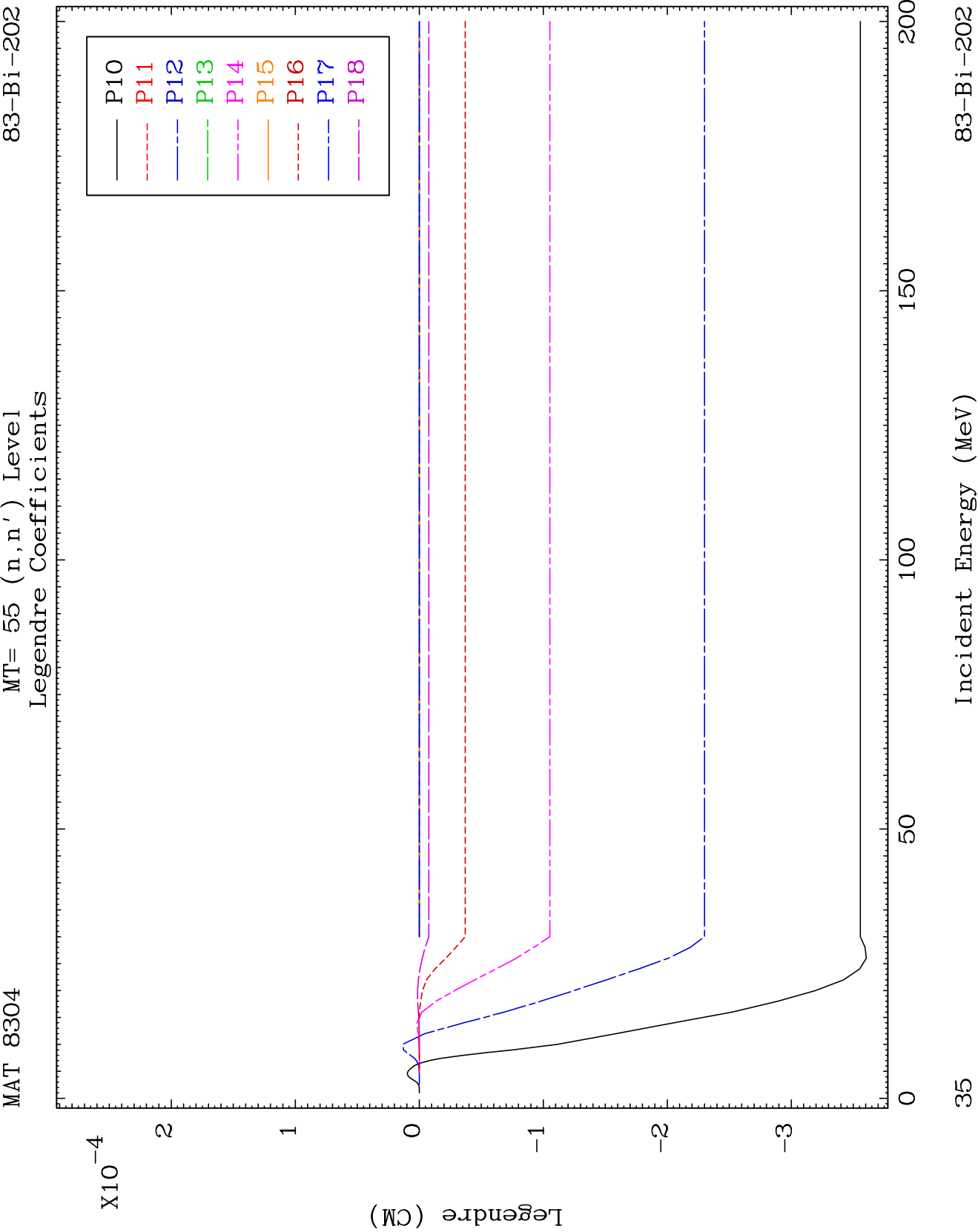
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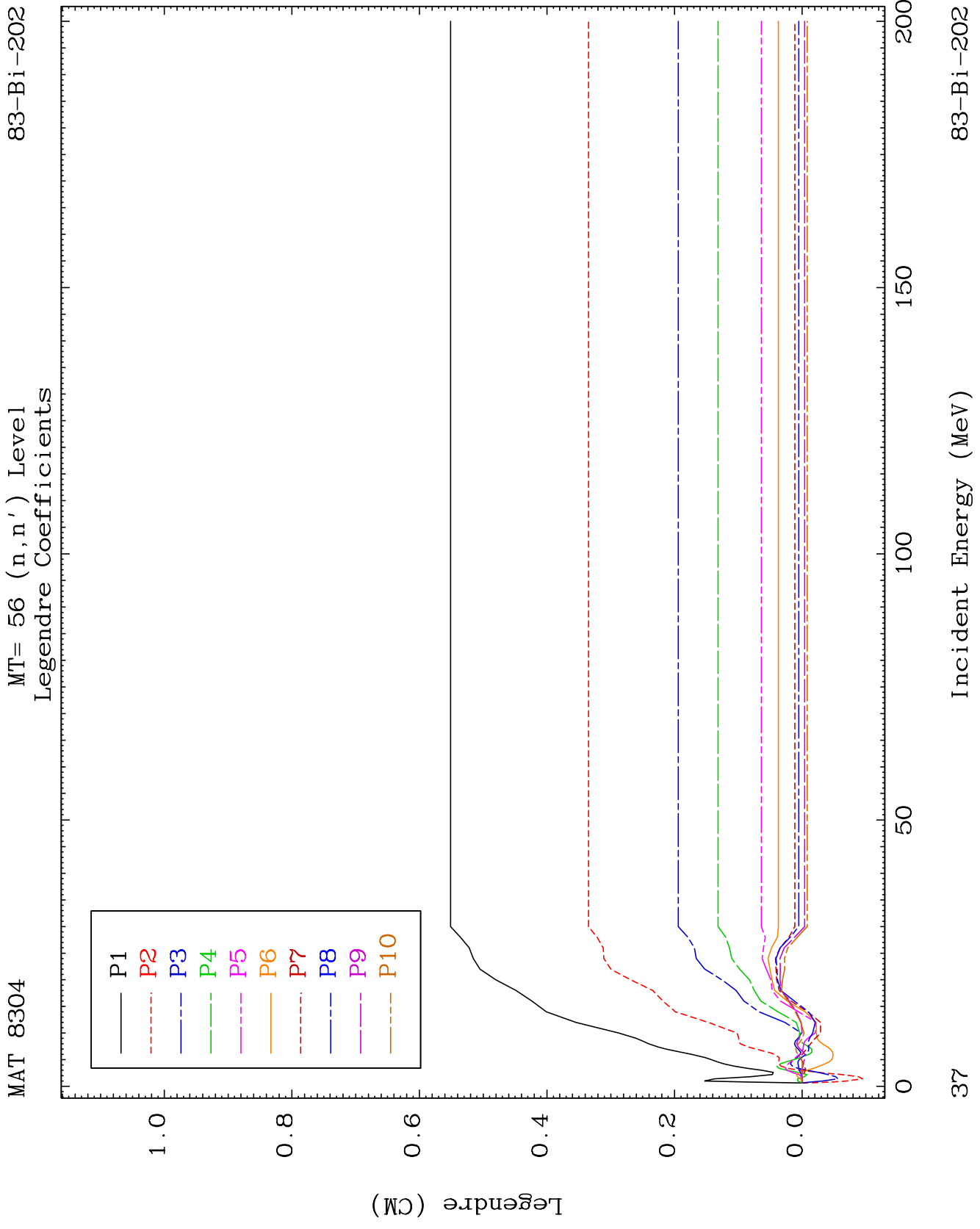


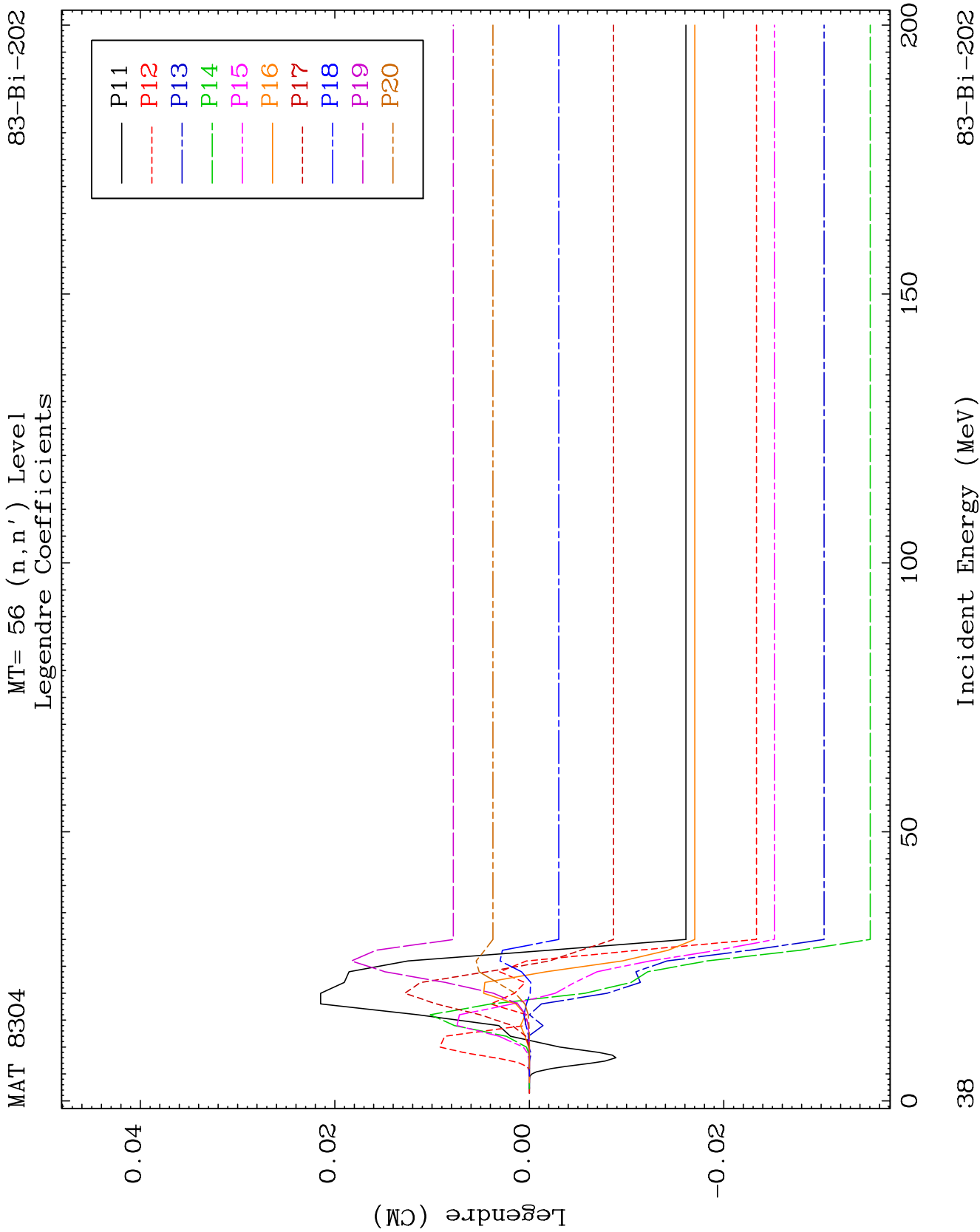


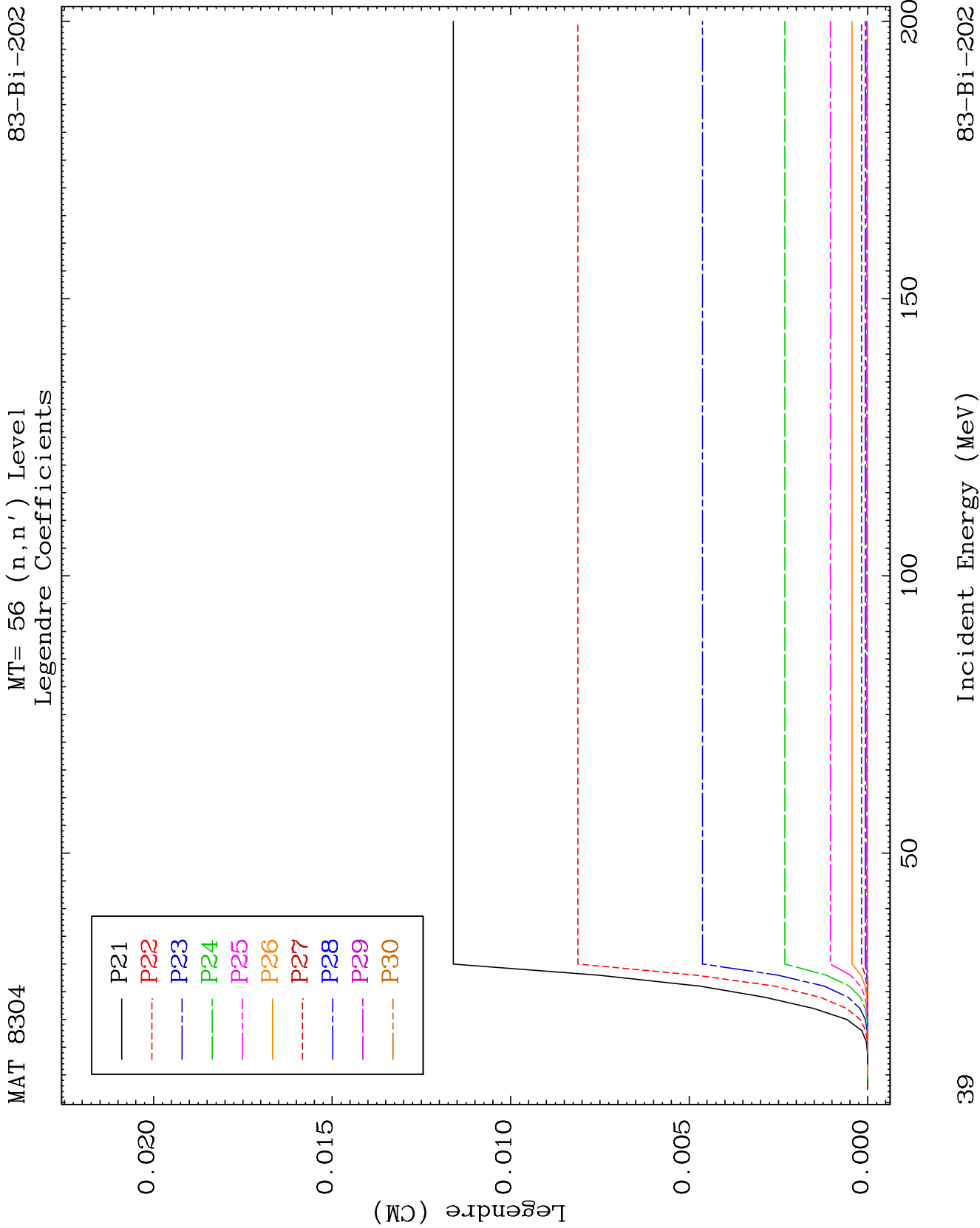


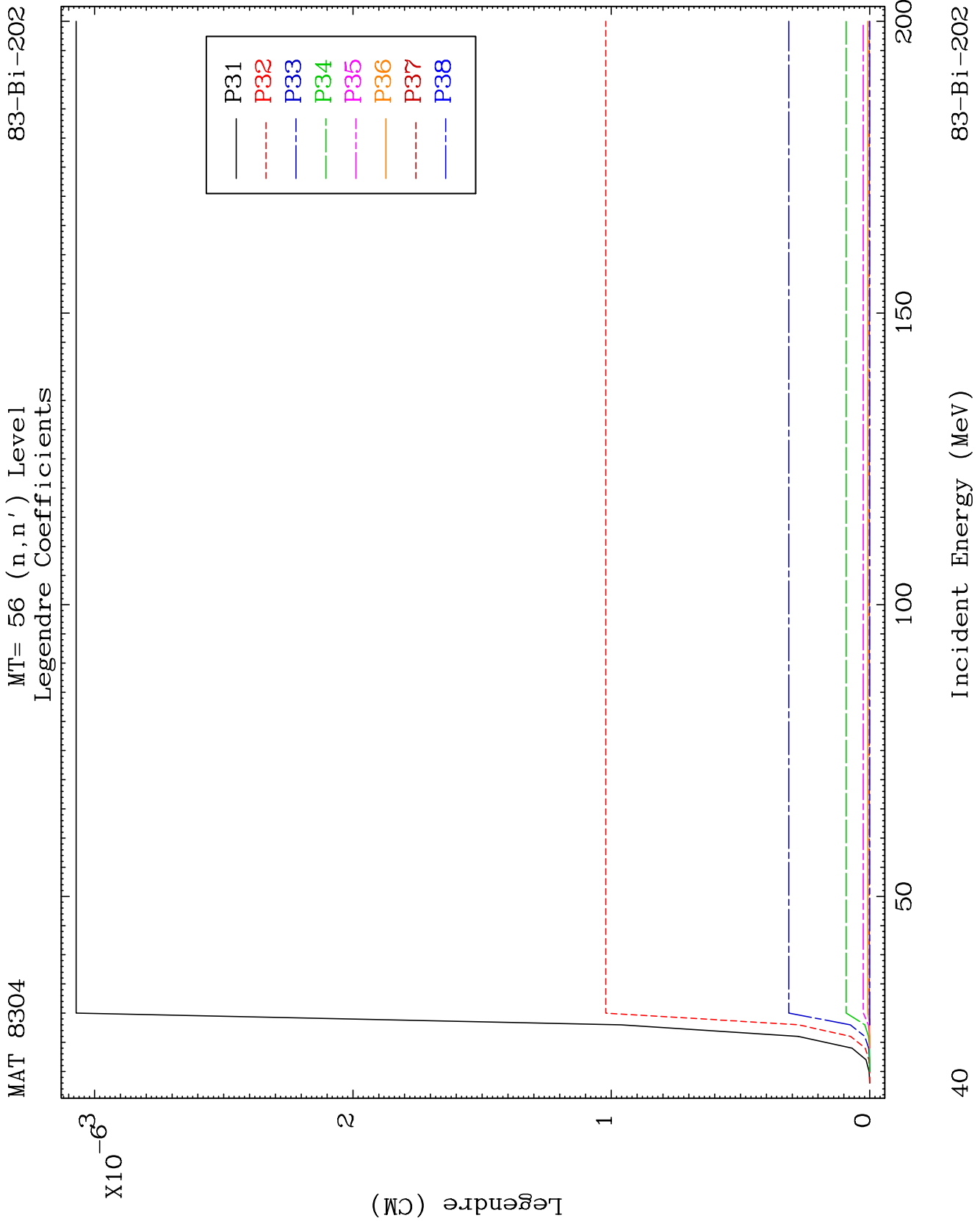


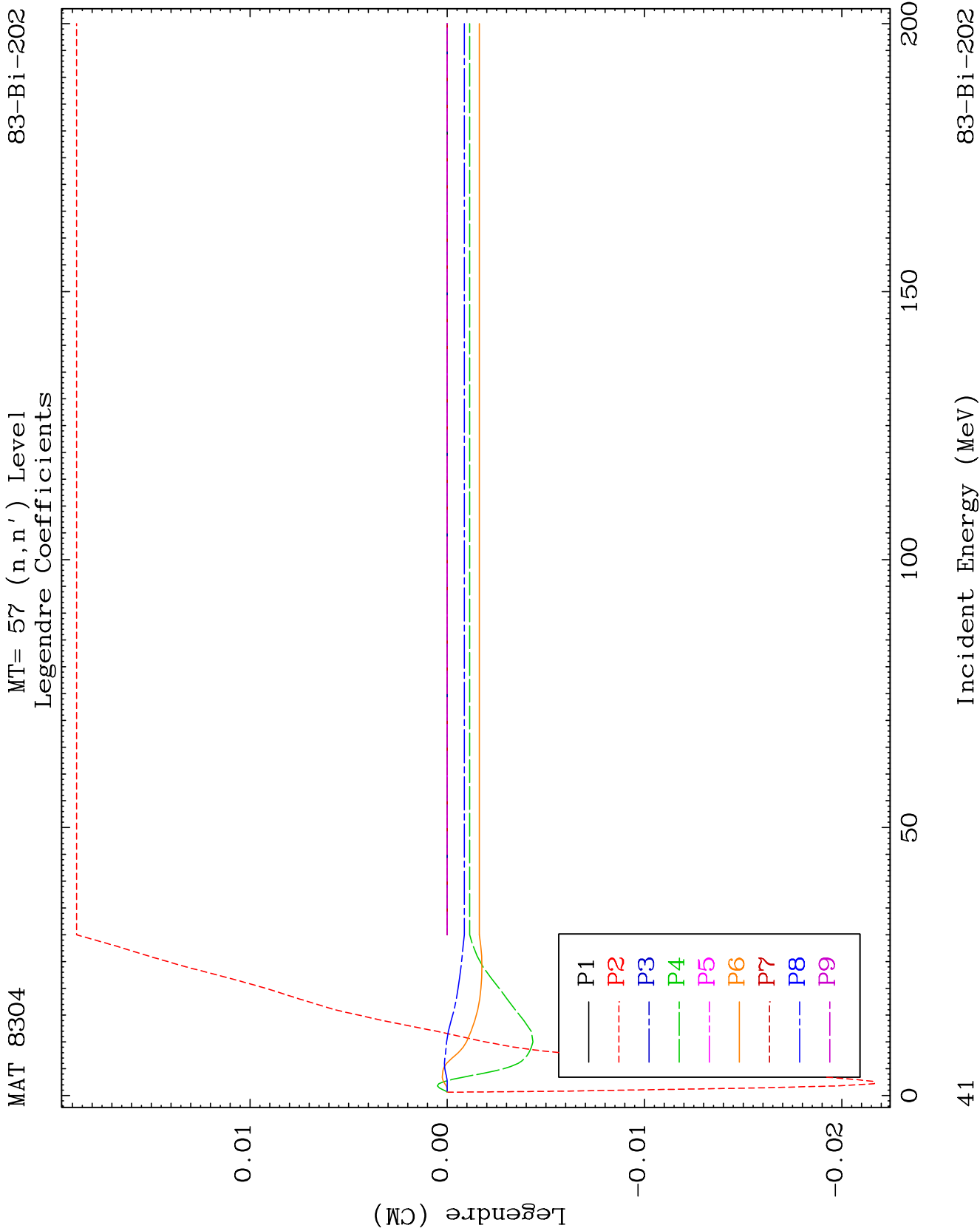


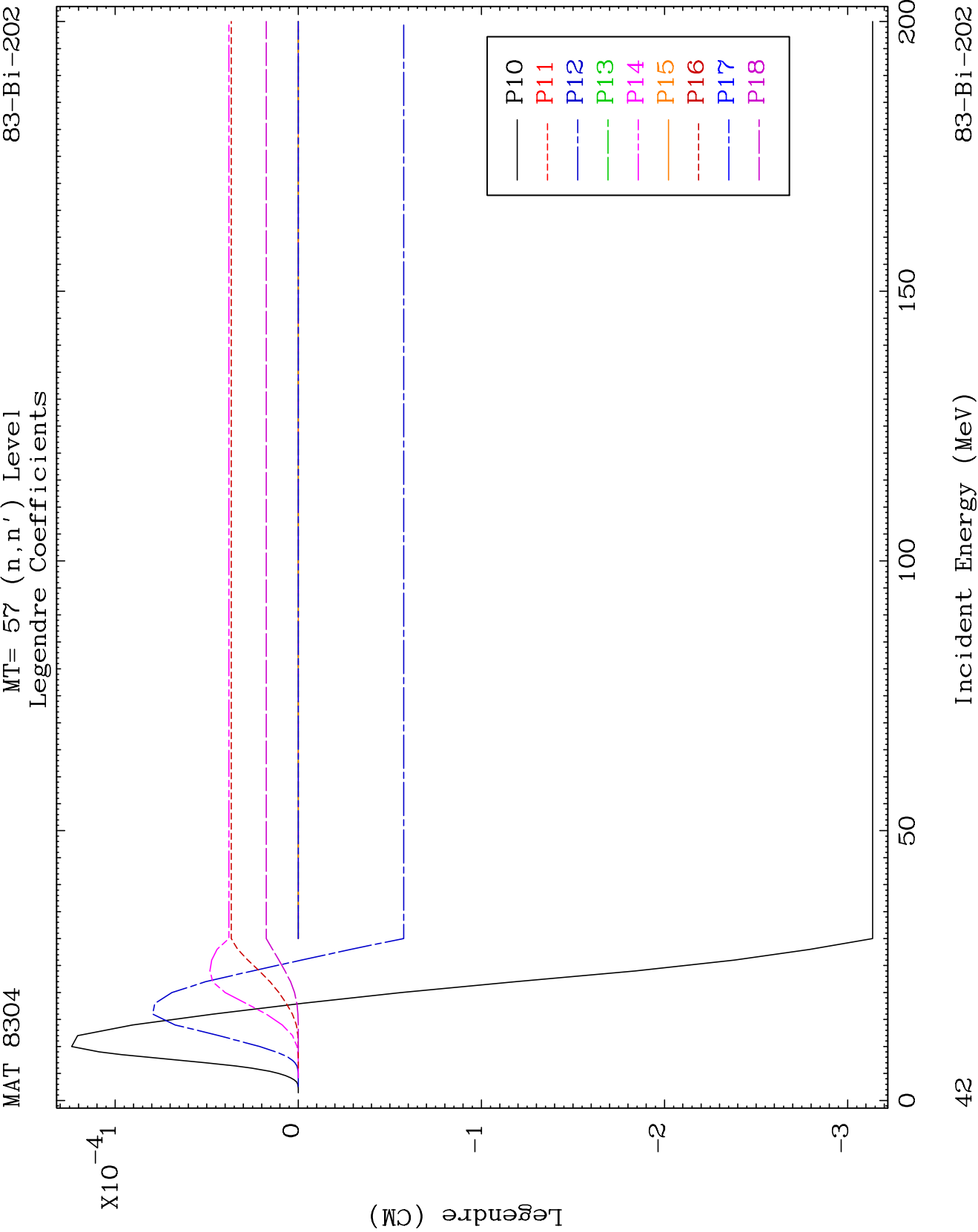


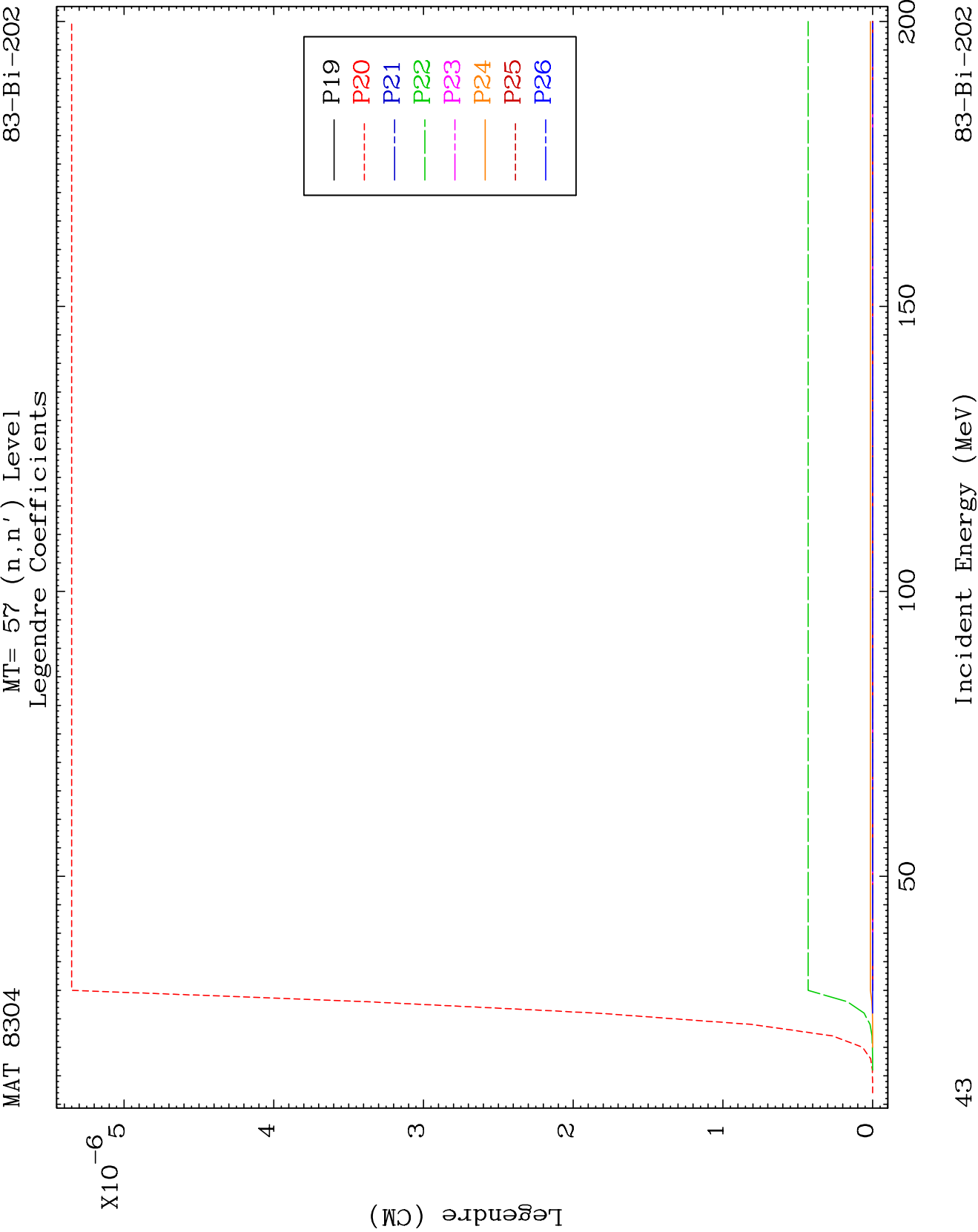


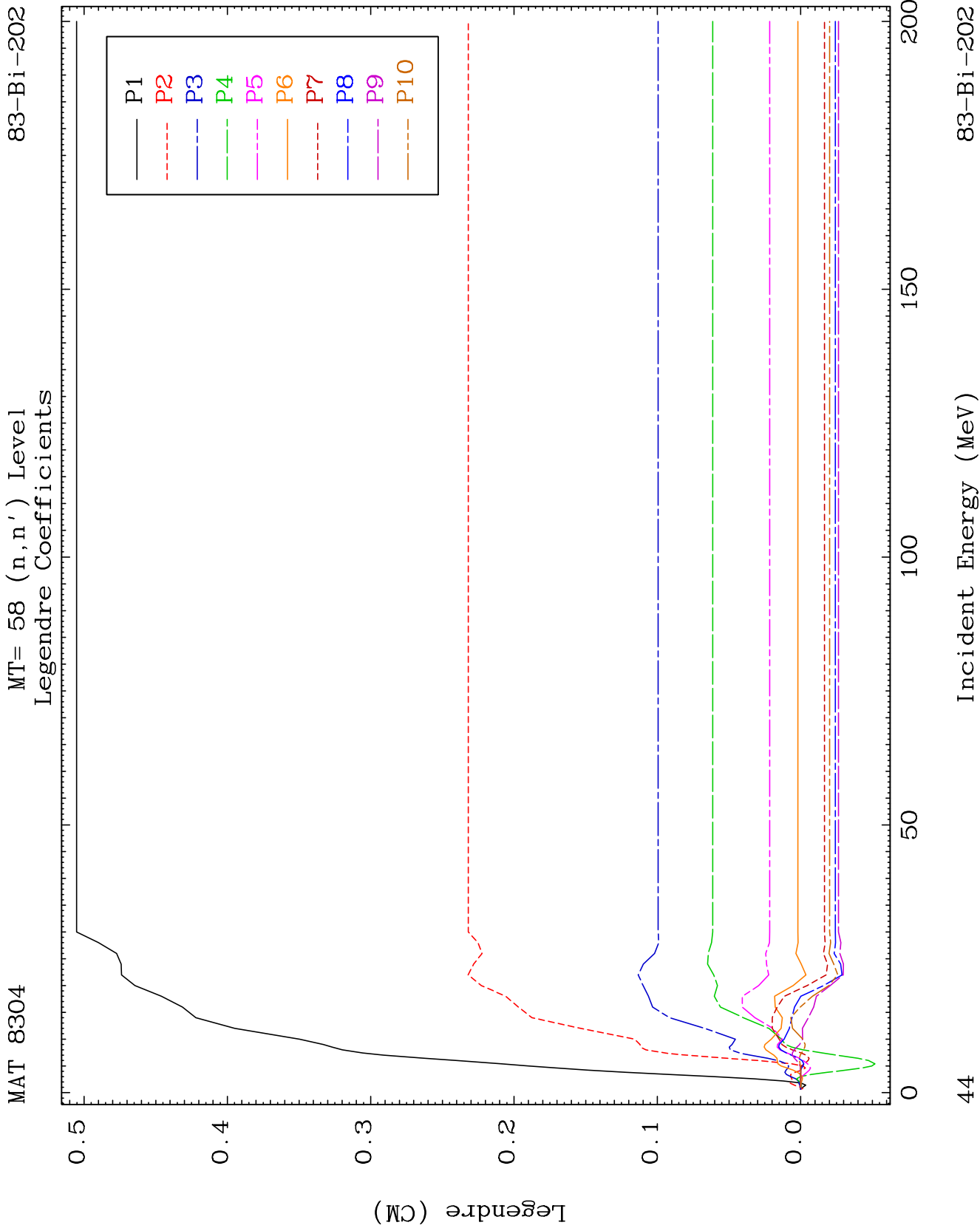


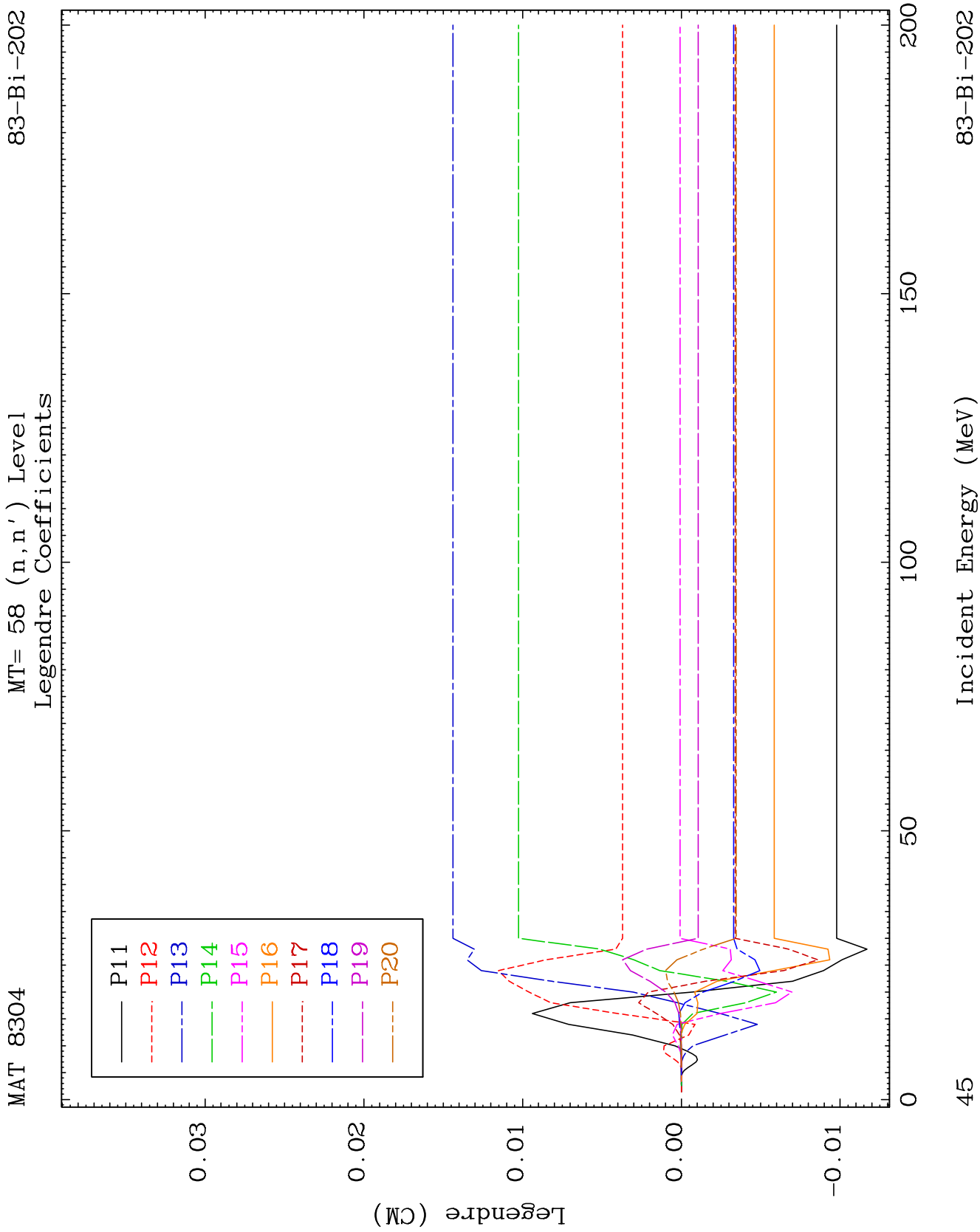








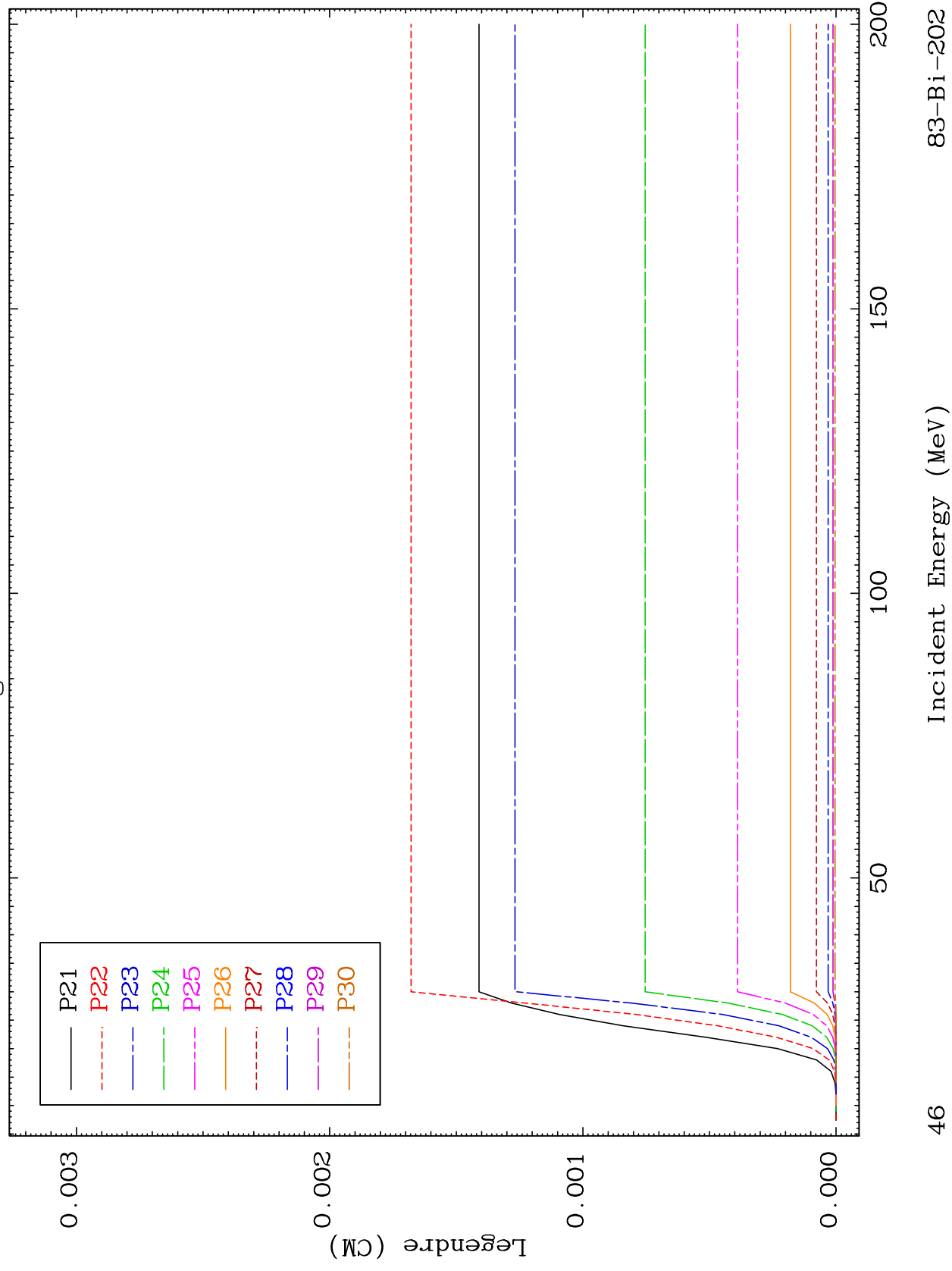


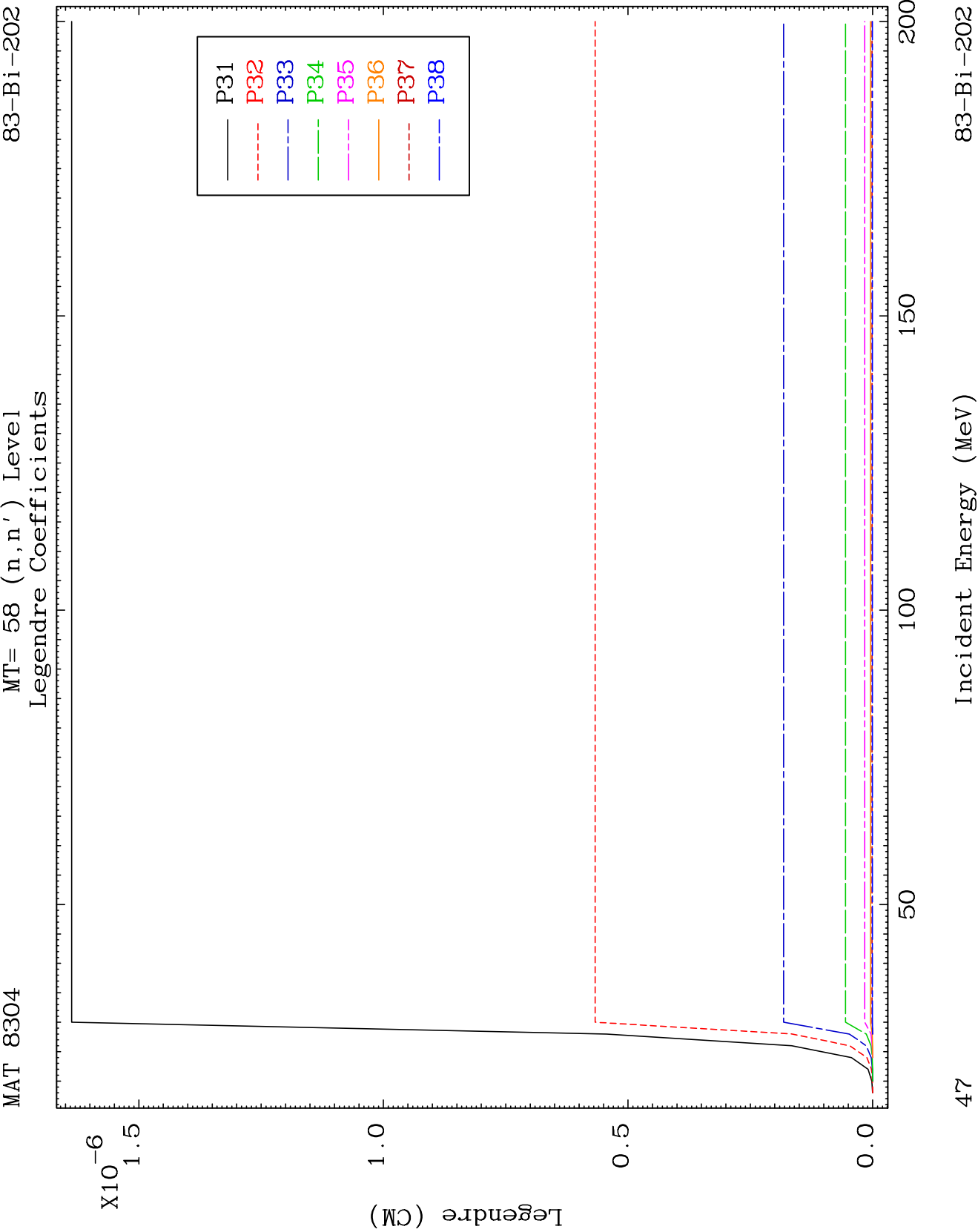


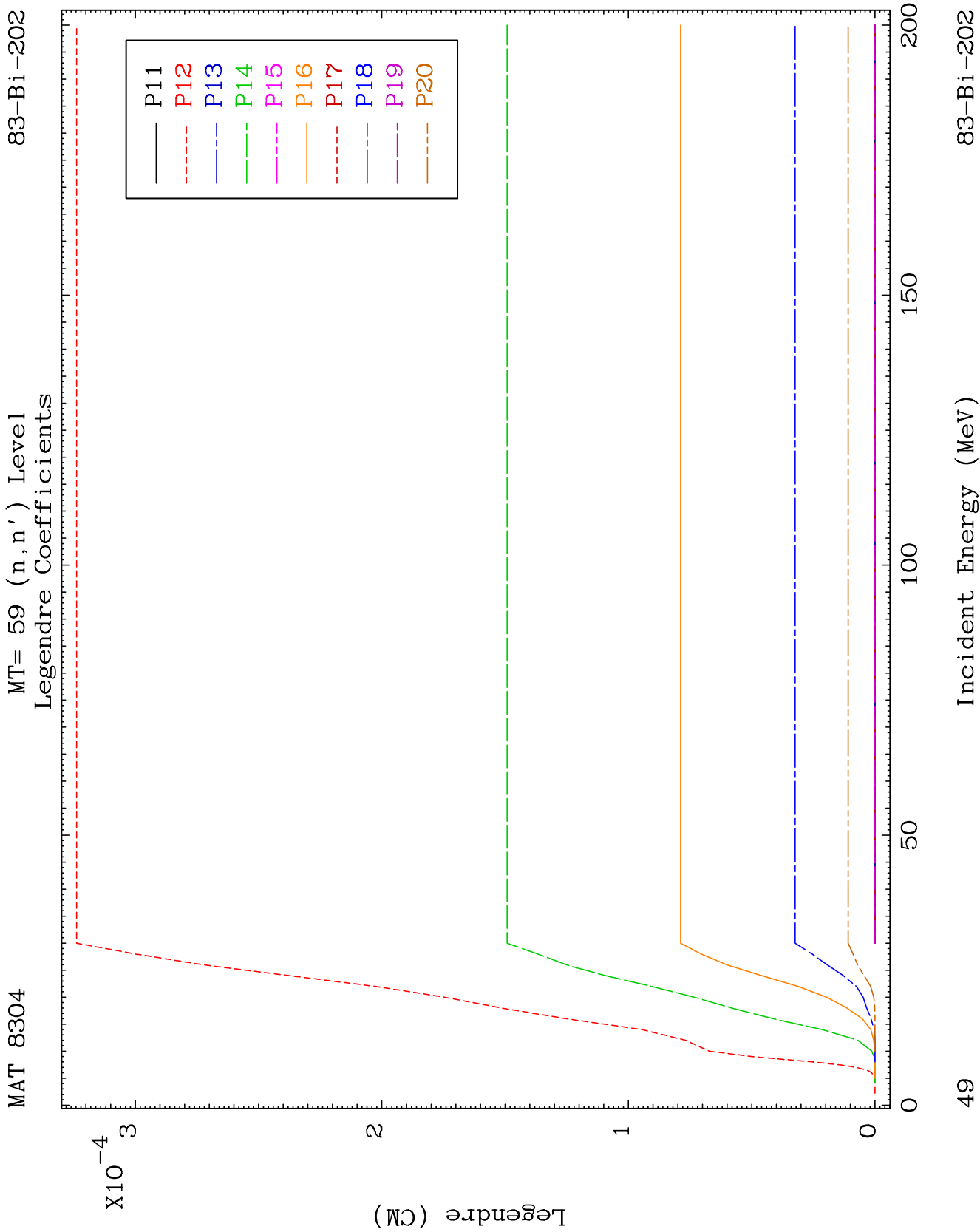
MAT 8304

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

83-Bi-202



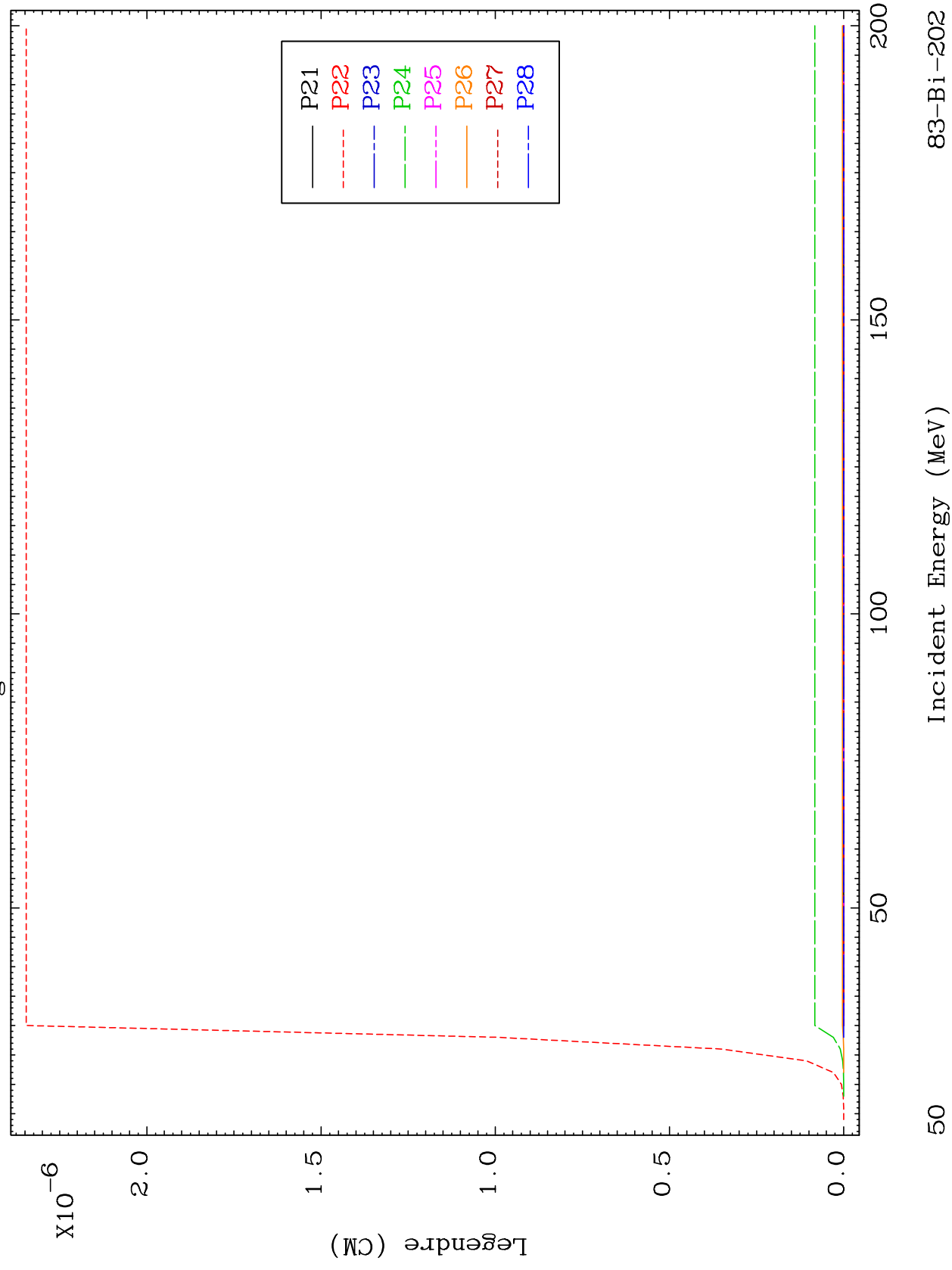




MAT 8304

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

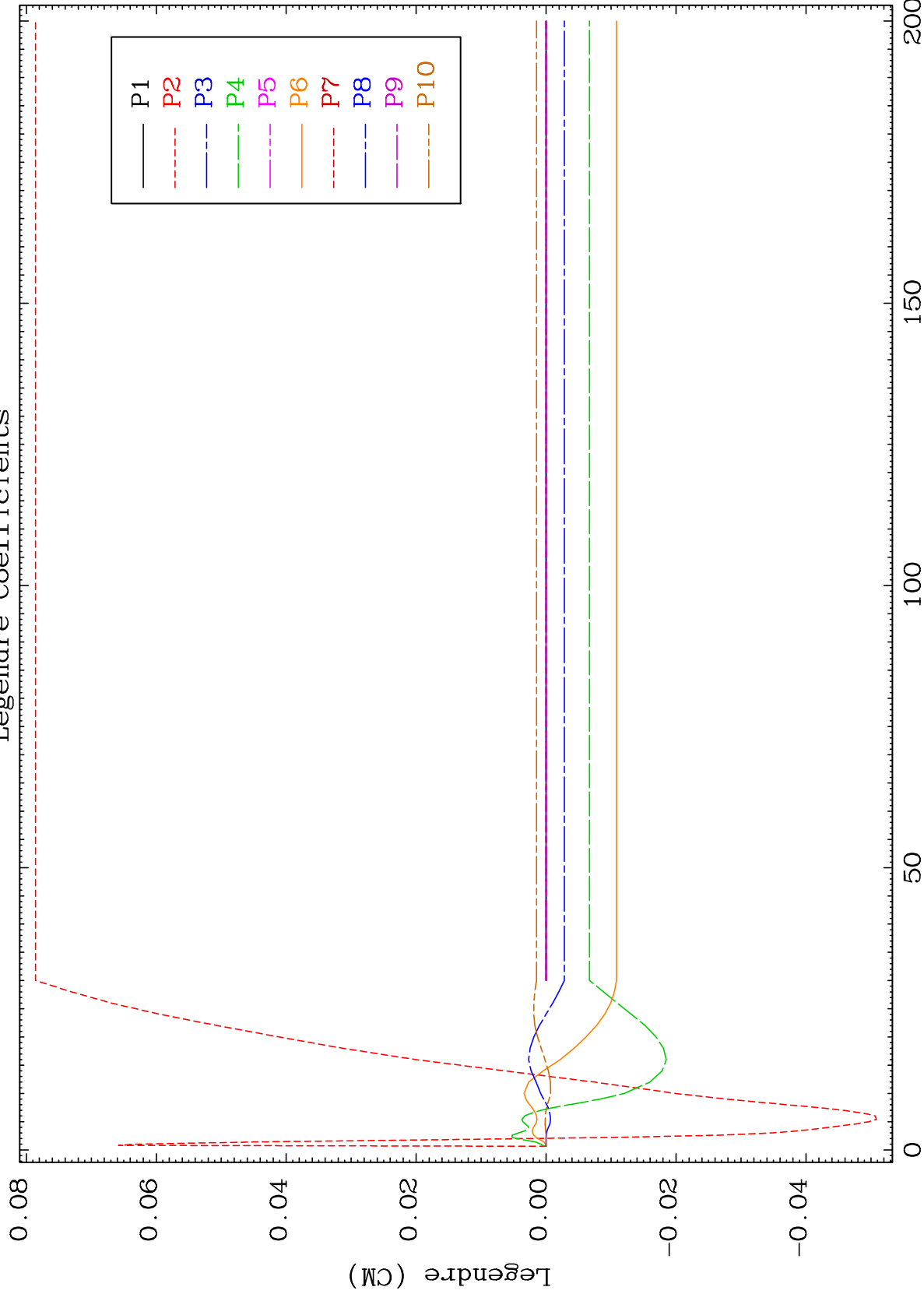
83-Bi-202



MAT 8304

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

83-Bi-202



51

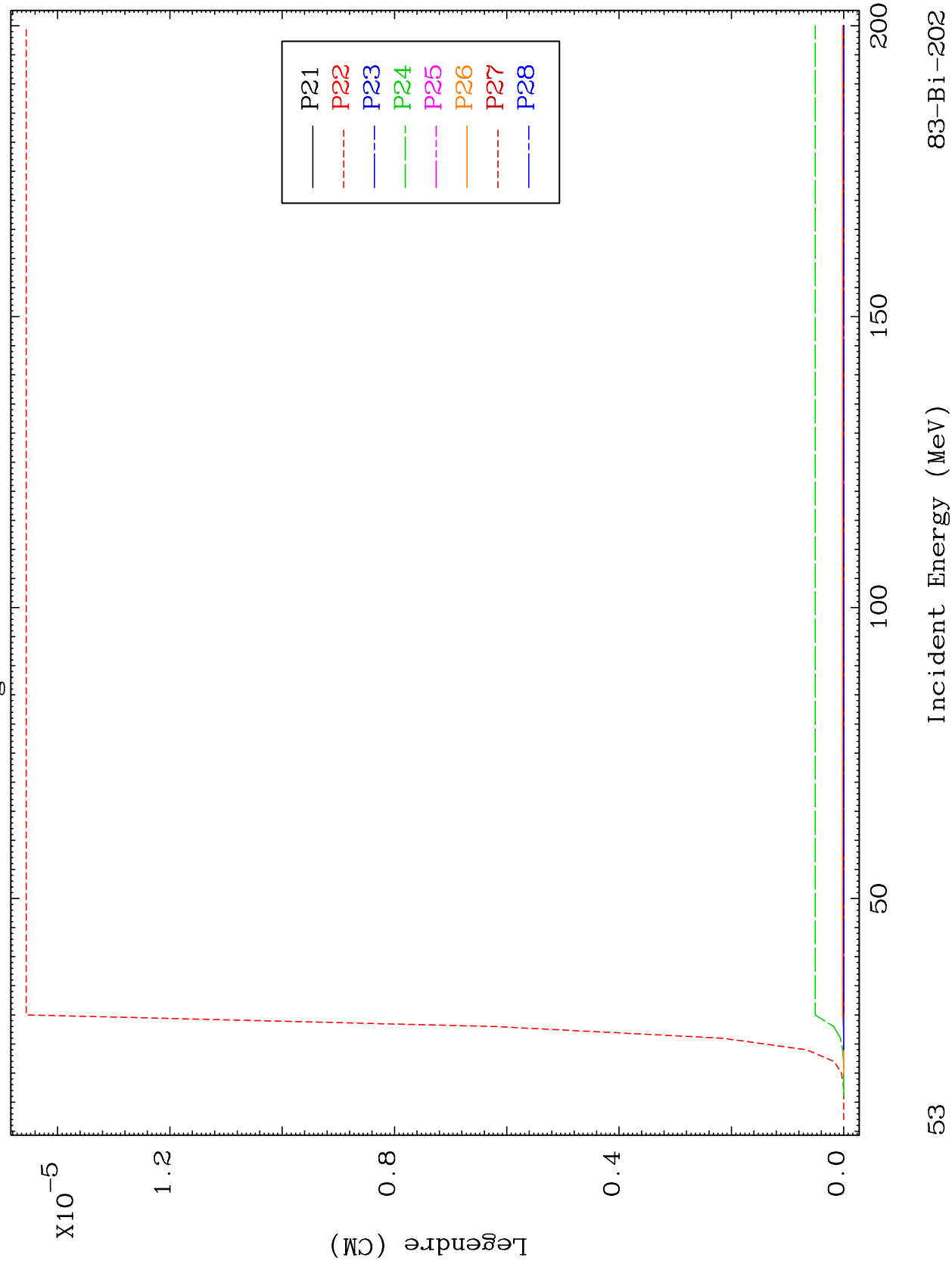
Incident Energy (MeV)

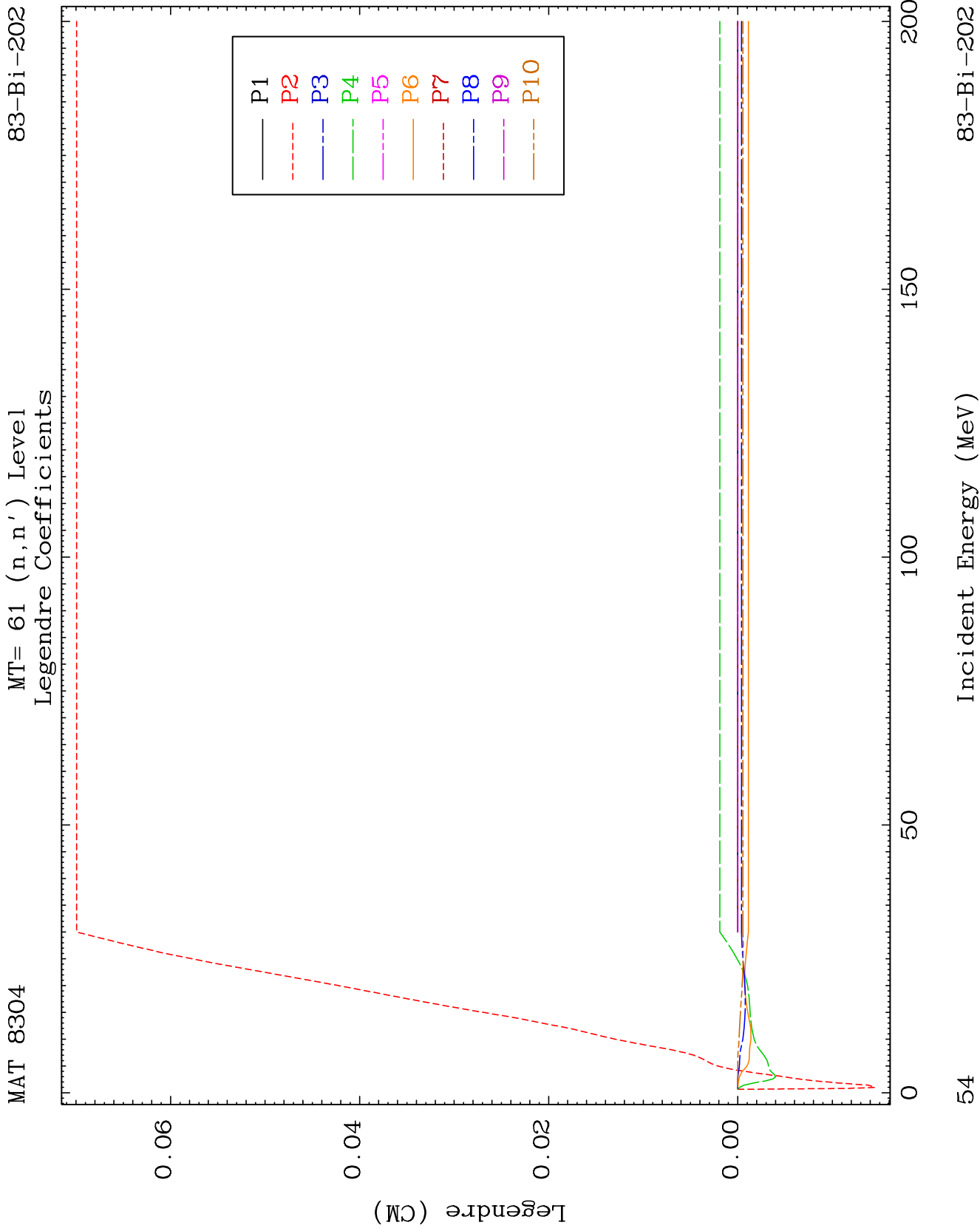
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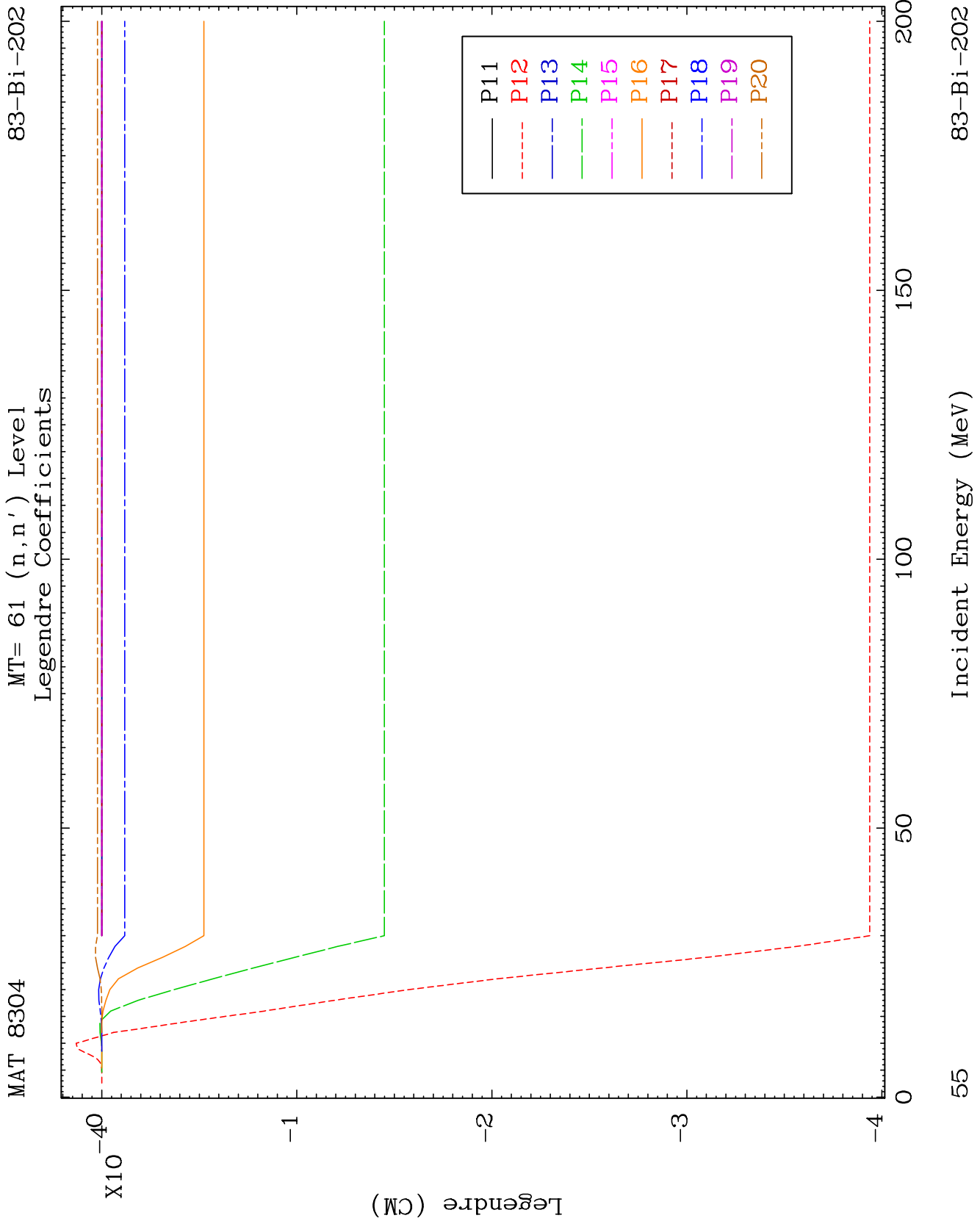
MAT 8304

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

83-Bi-202



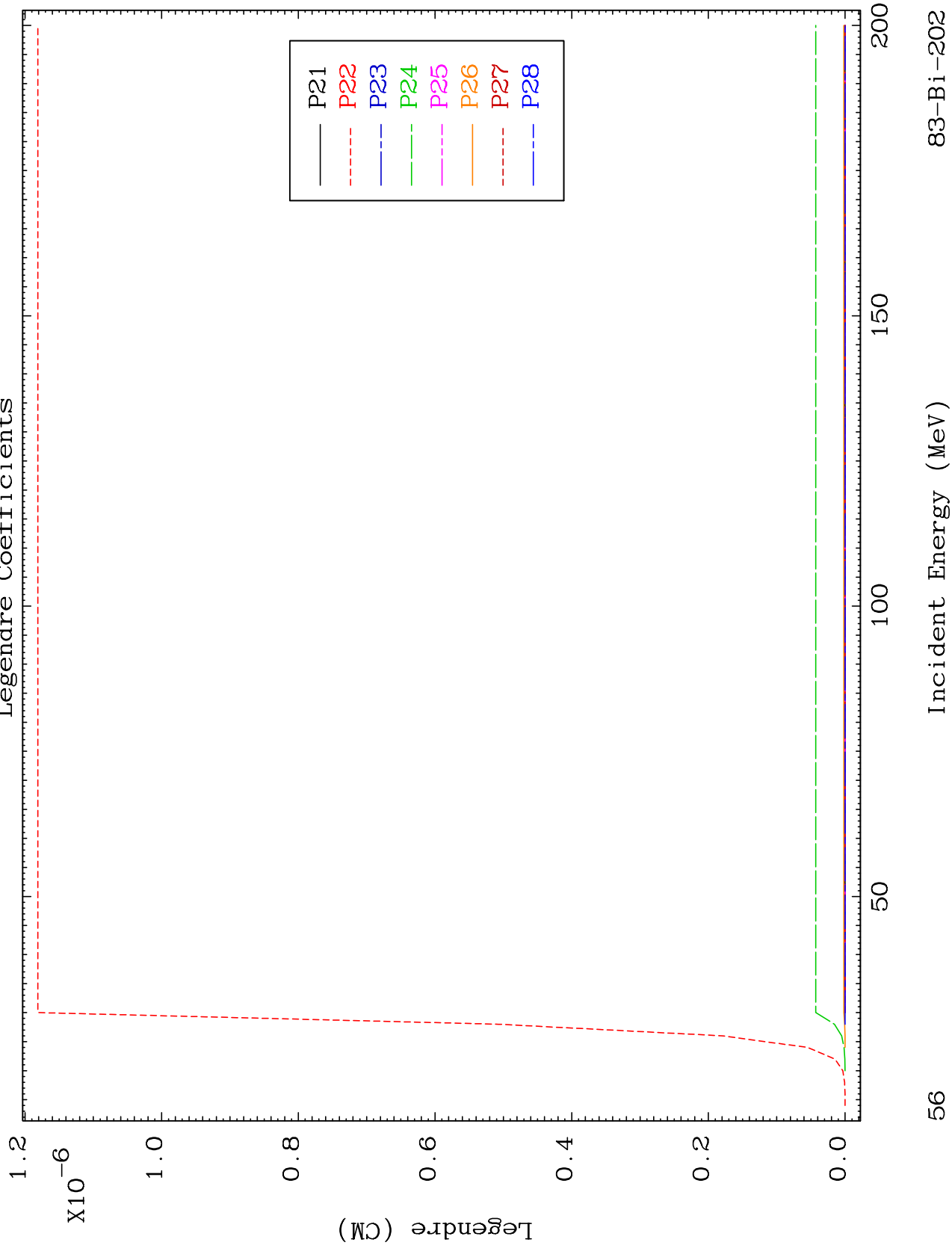




MAT 8304

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

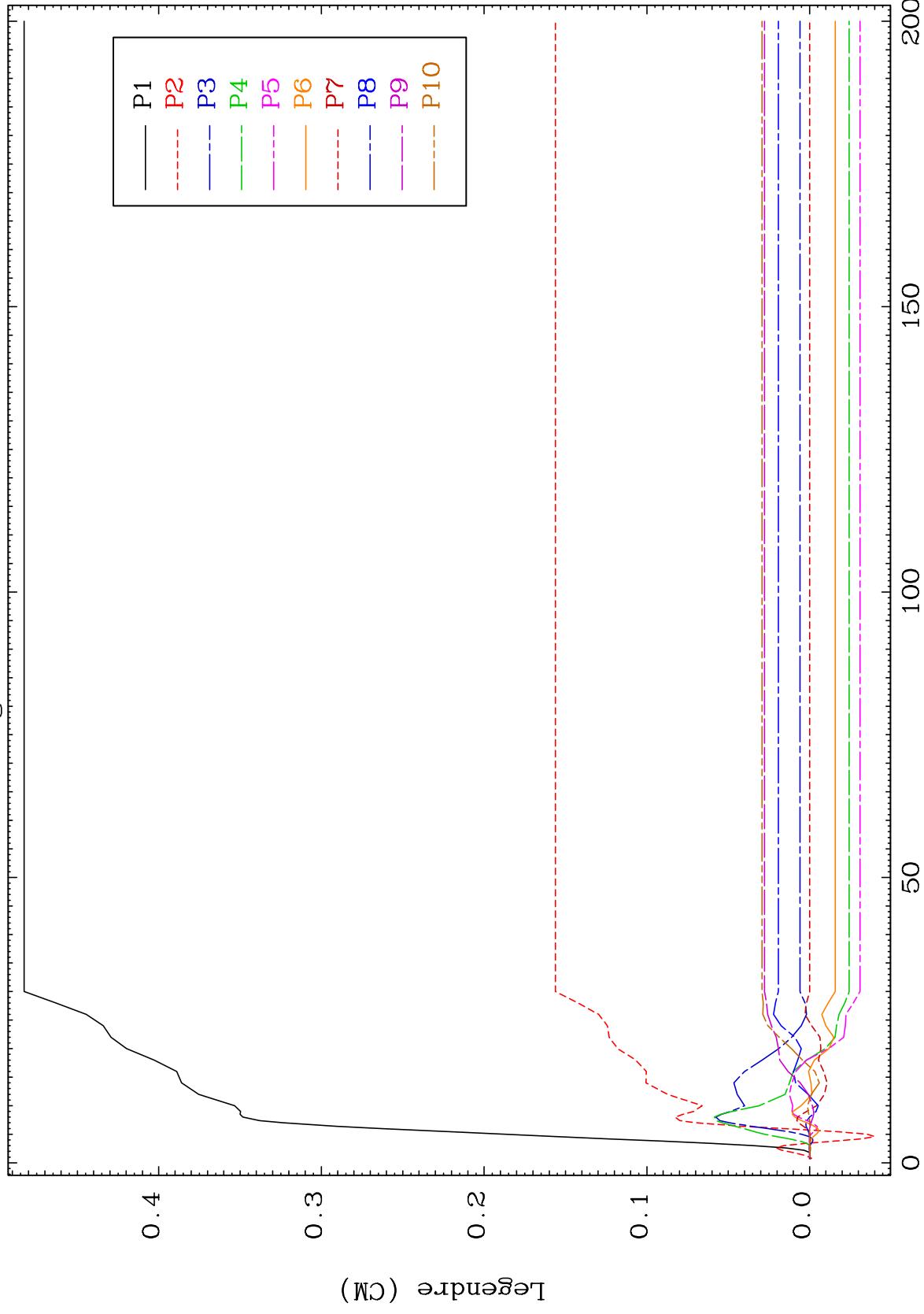
83-Bi-202



MAT 8304

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

83-Bi-202



83-Bi-202

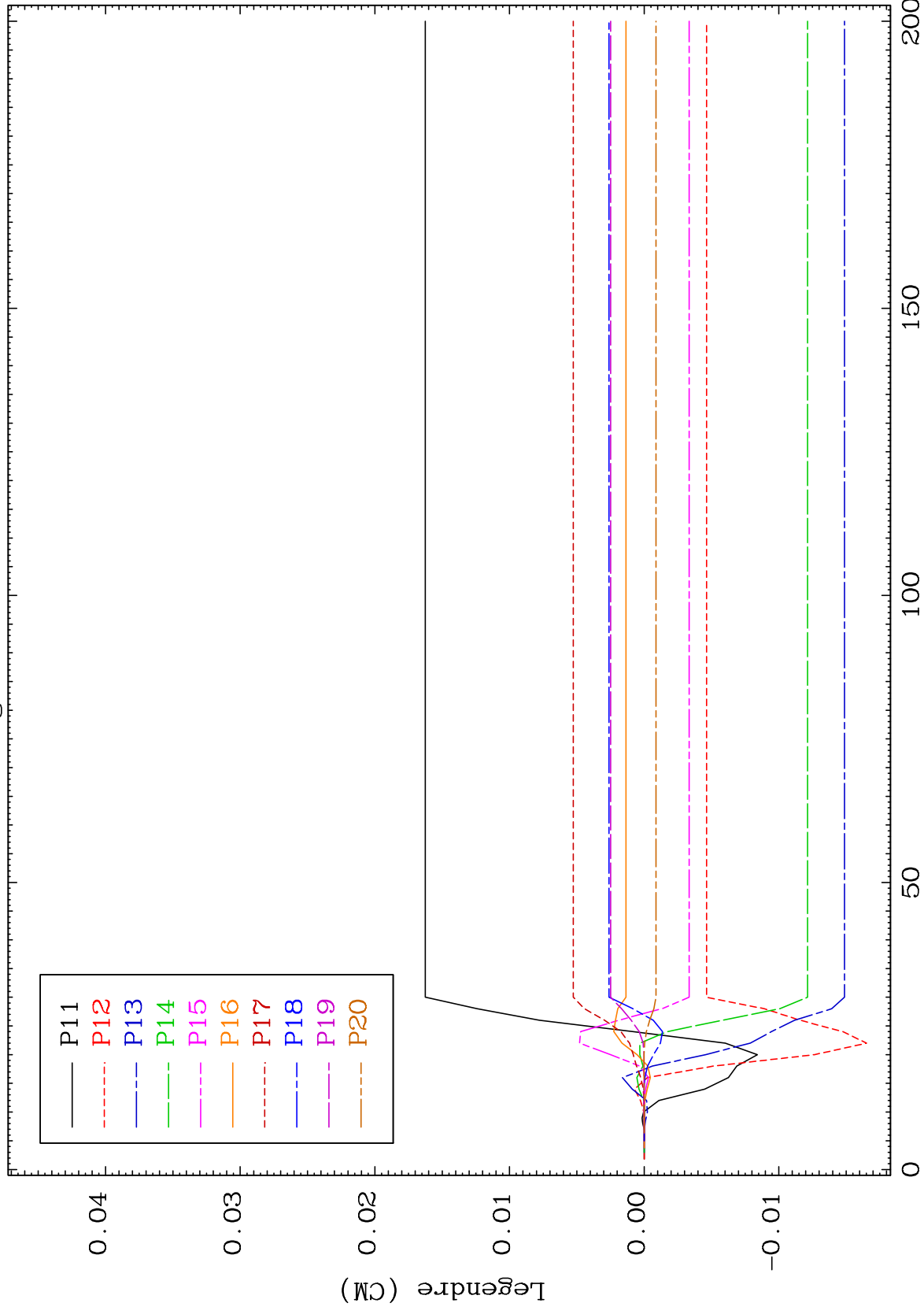
Incident Energy (MeV)

57

MAT 8304

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

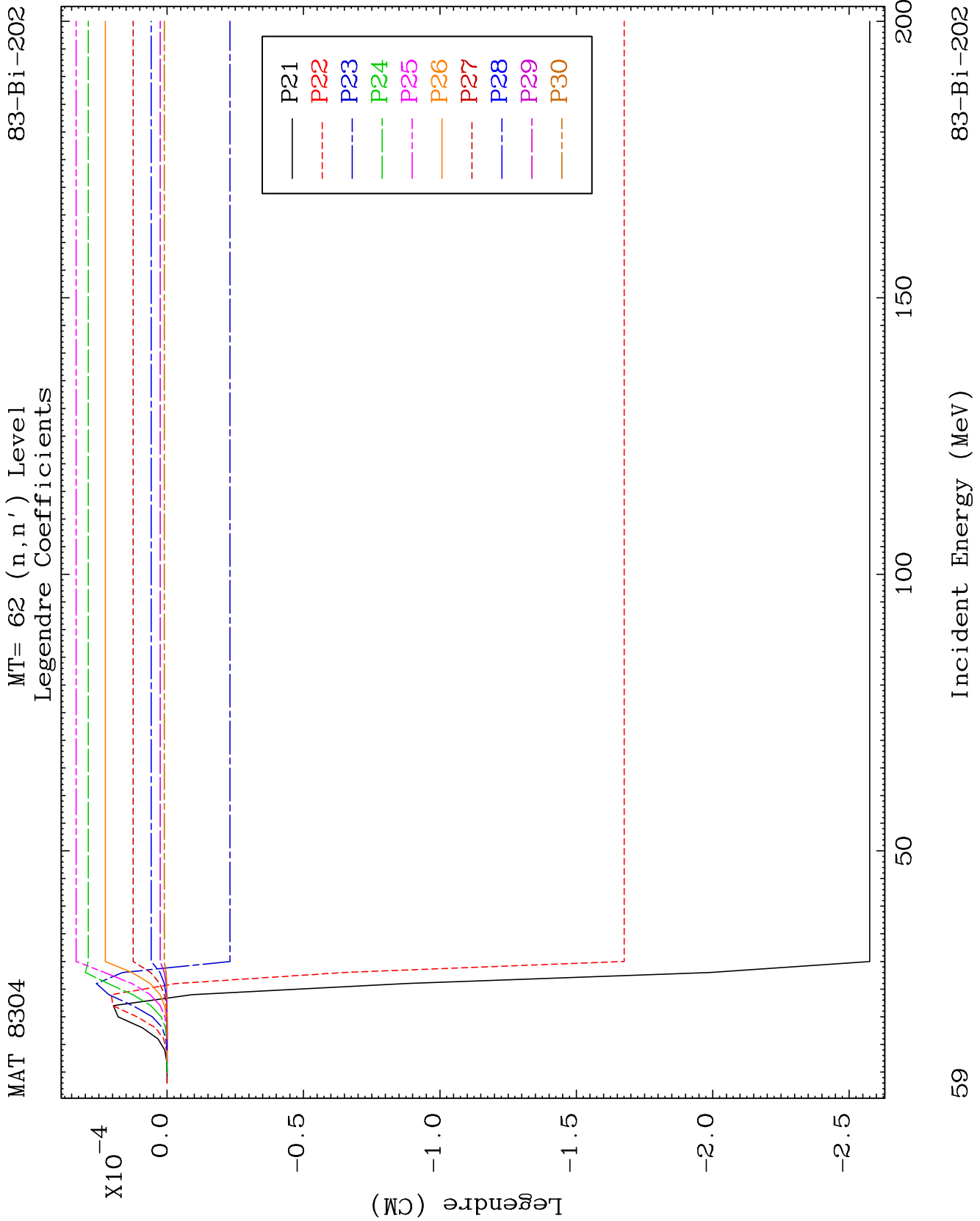
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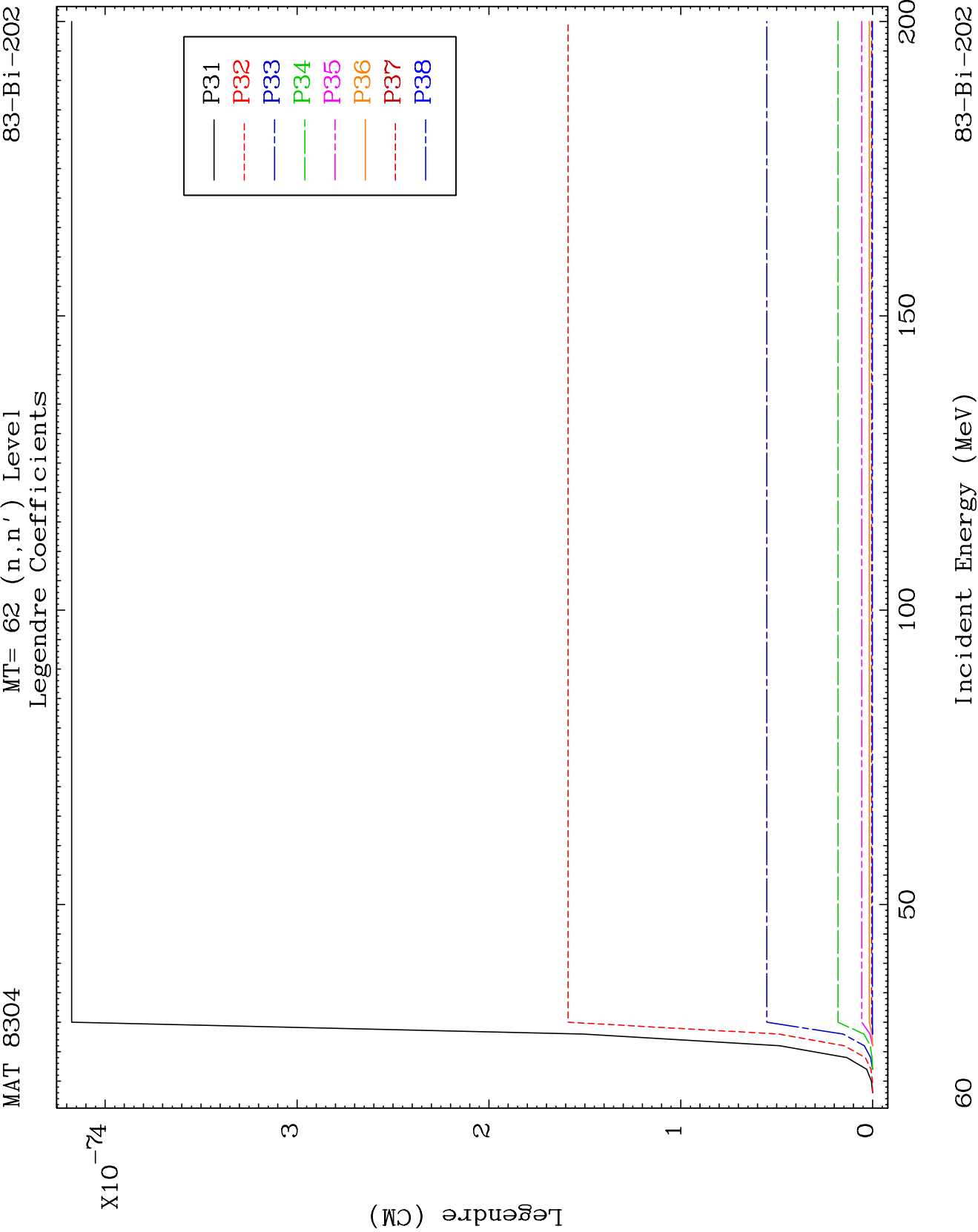


83-Bi-202

Incident Energy (MeV)

58

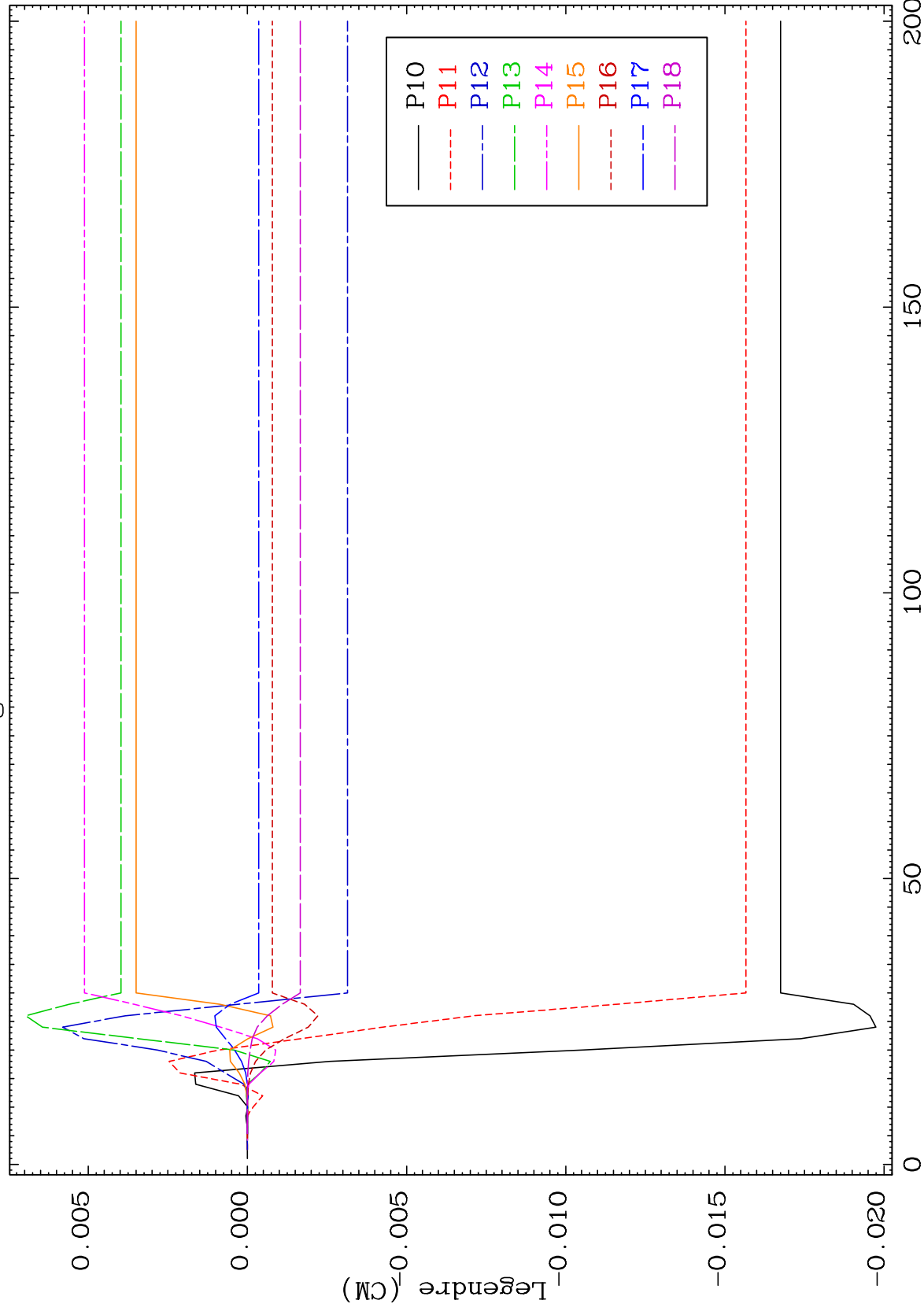




MAT 8304

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

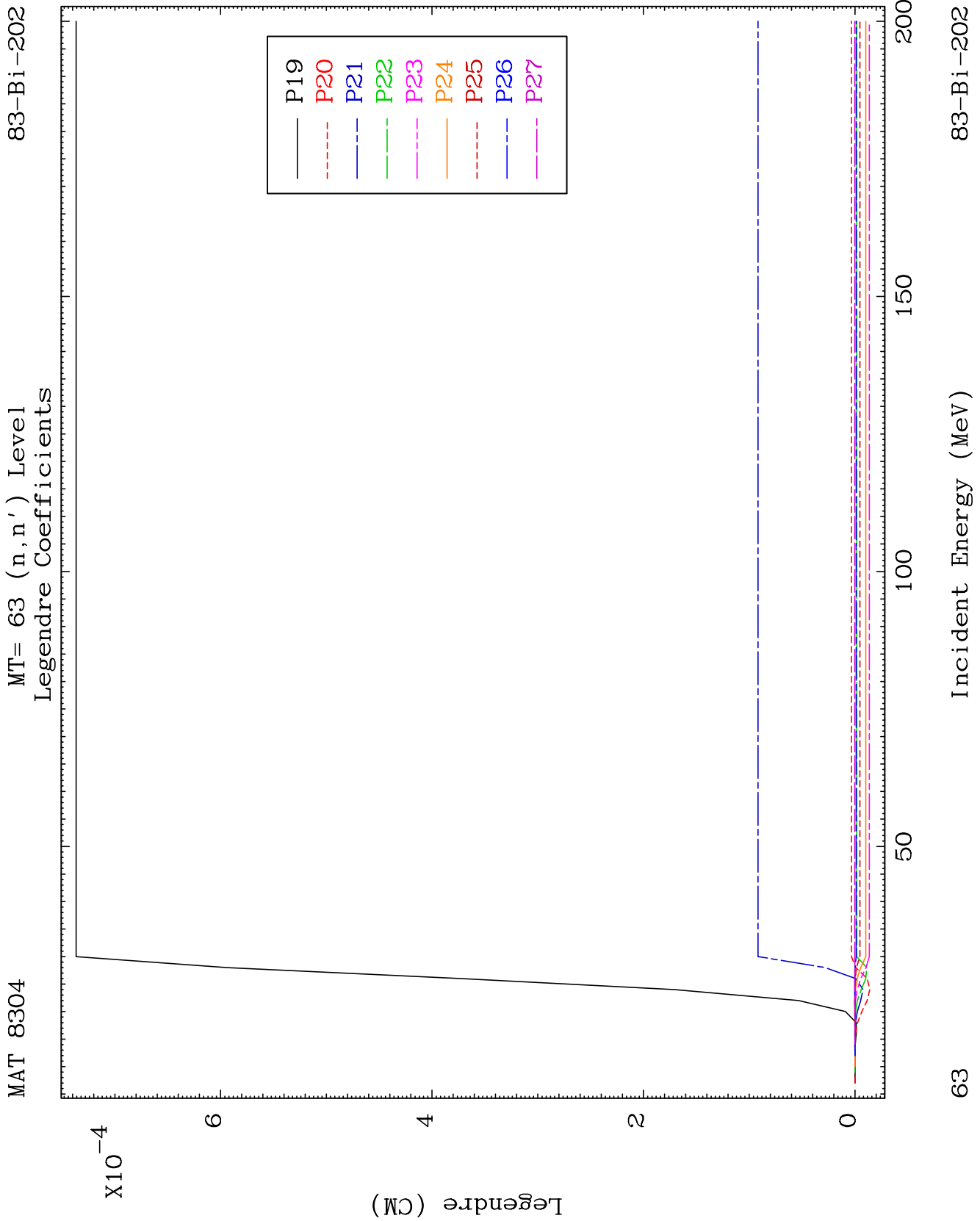
83-Bi-202



29

Incident Energy (MeV)

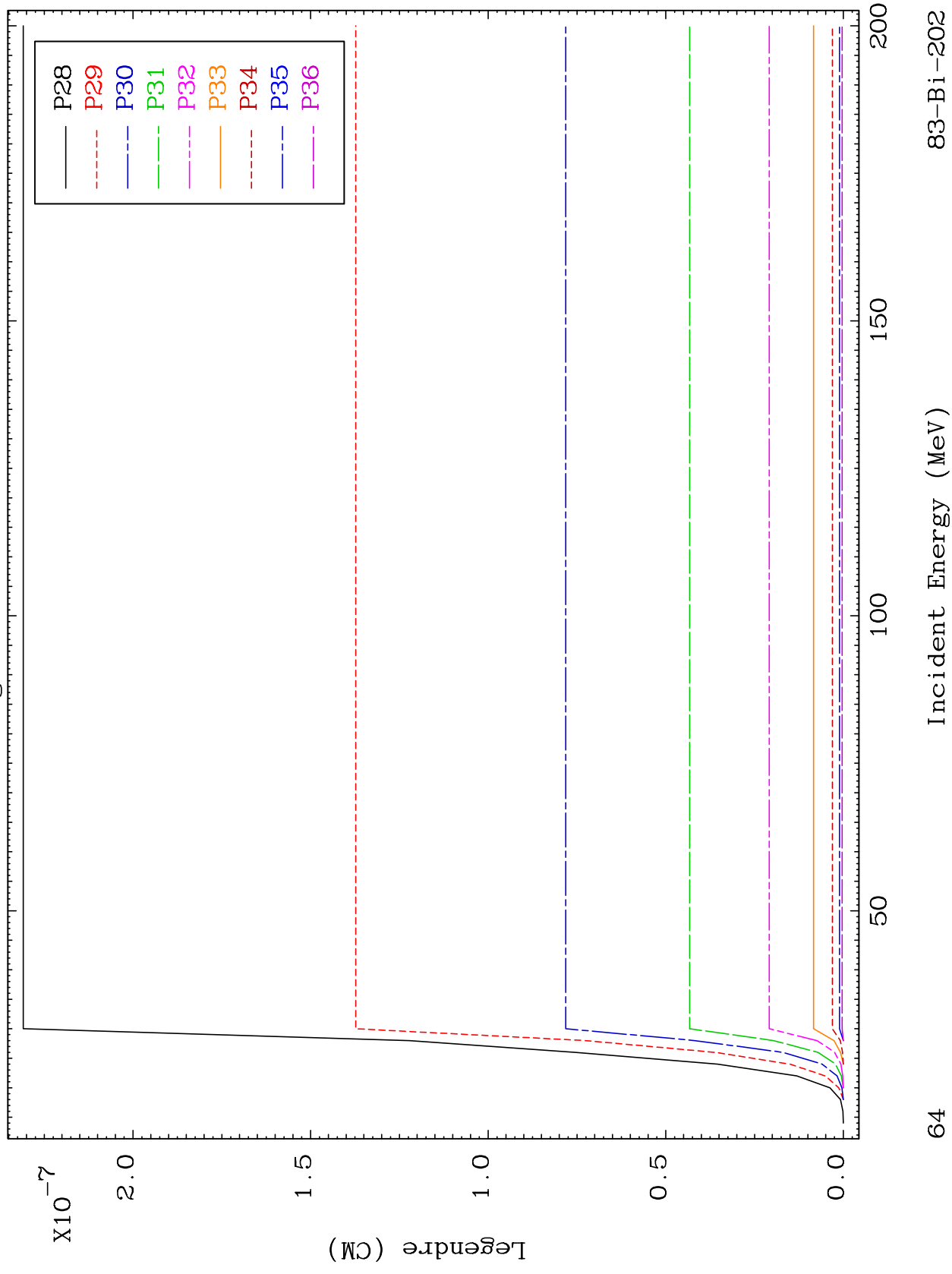
83-Bi-202



MAT 8304

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

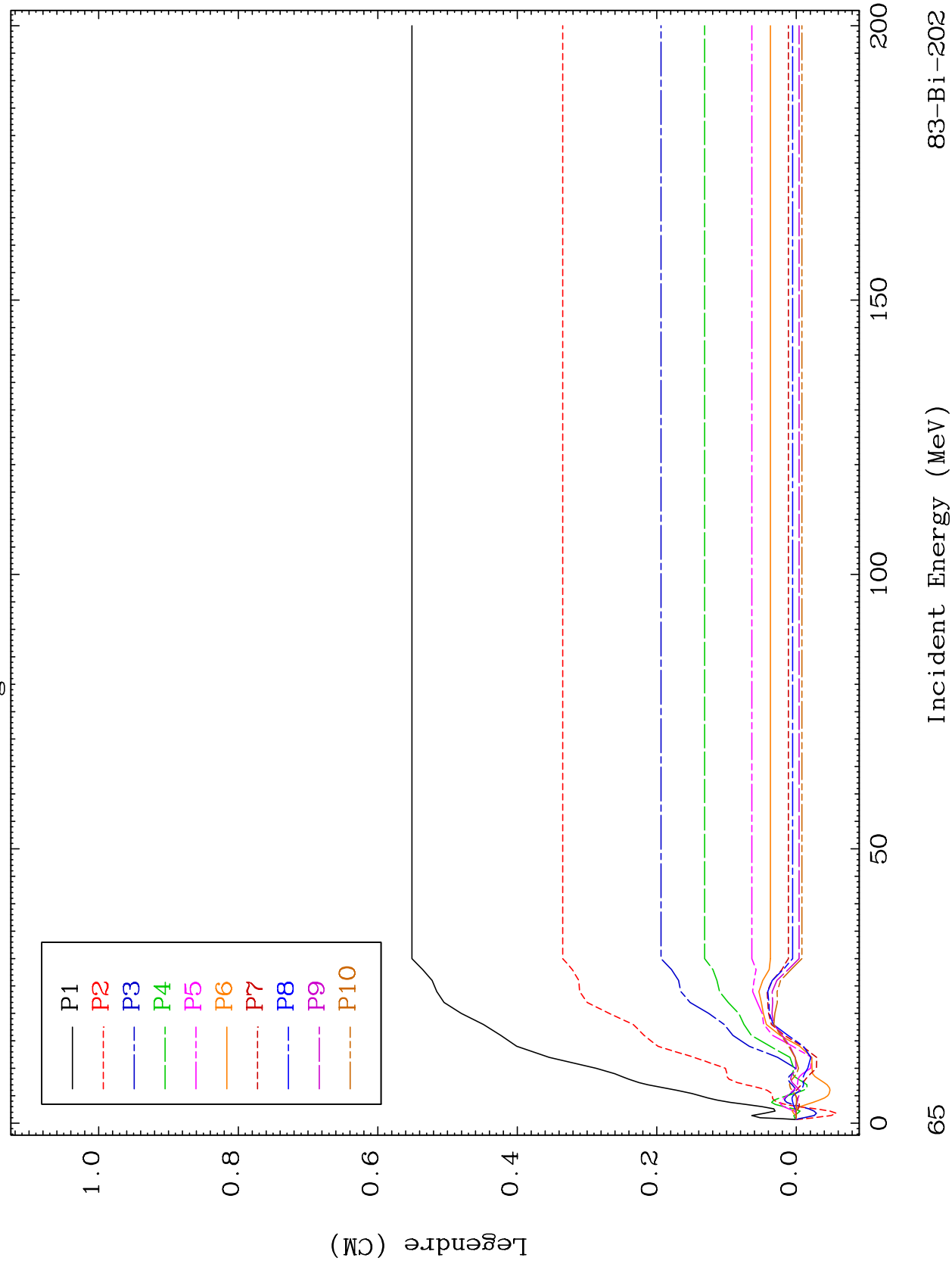
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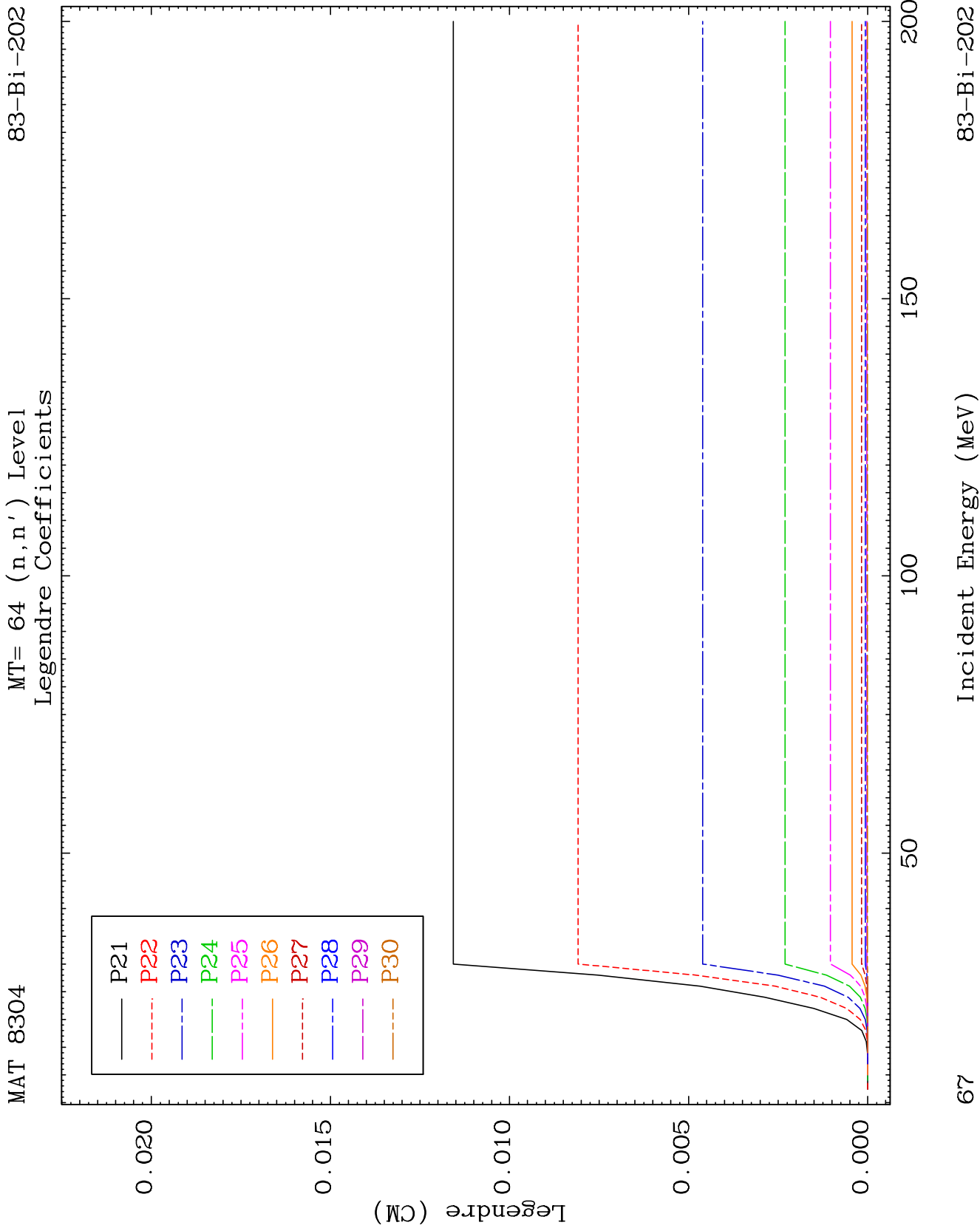


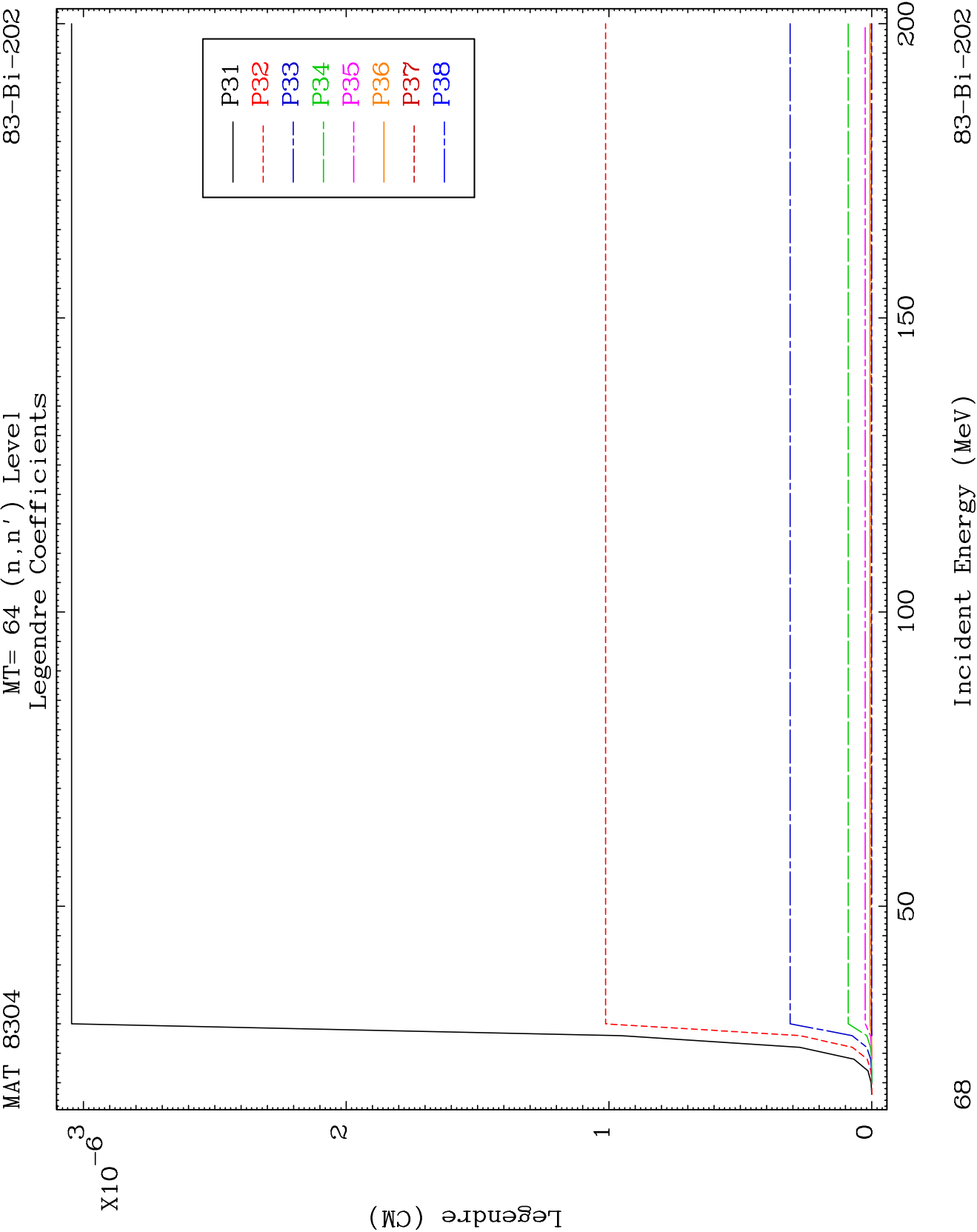
MAT 8304

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

83-Bi-202



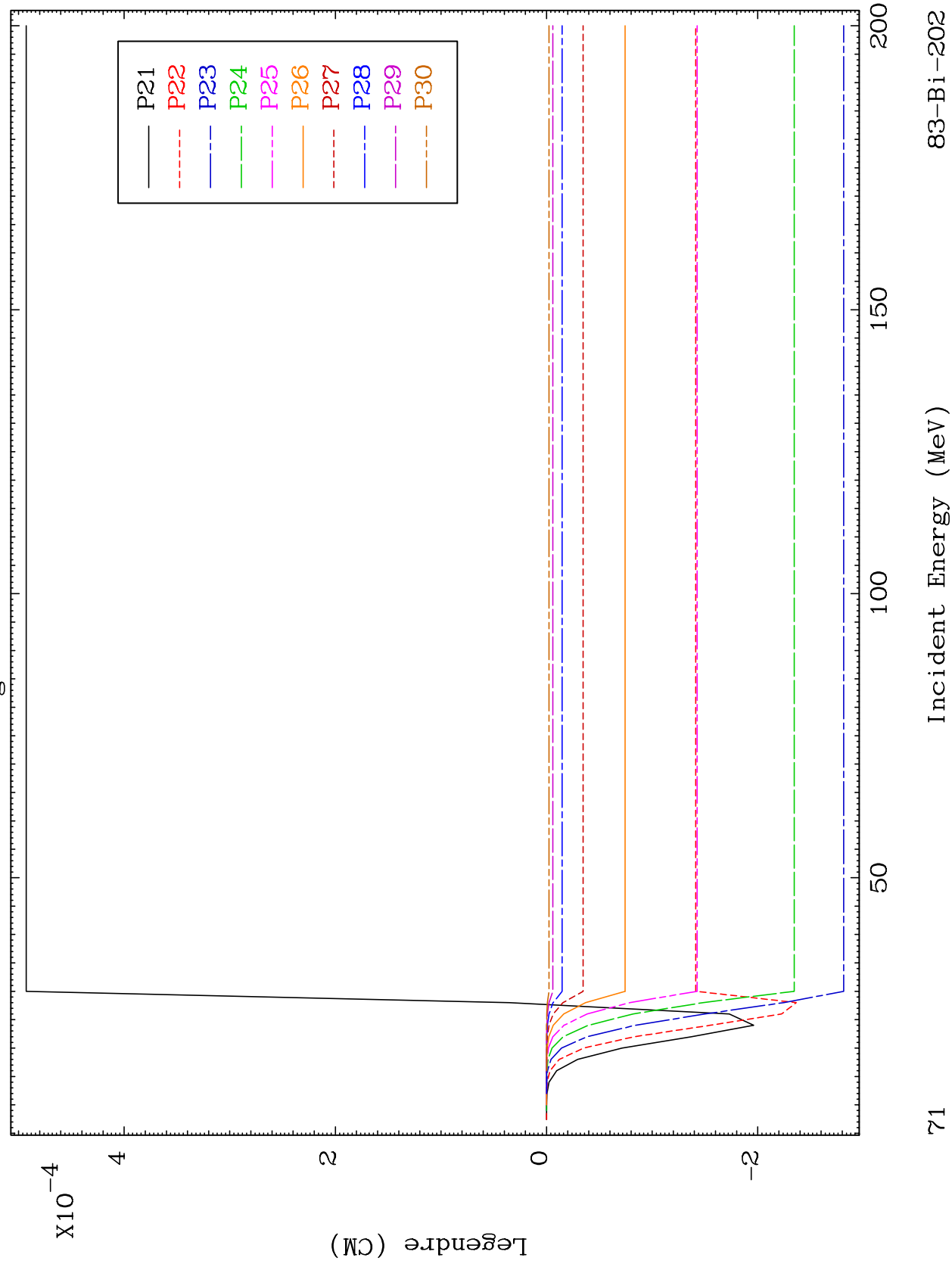


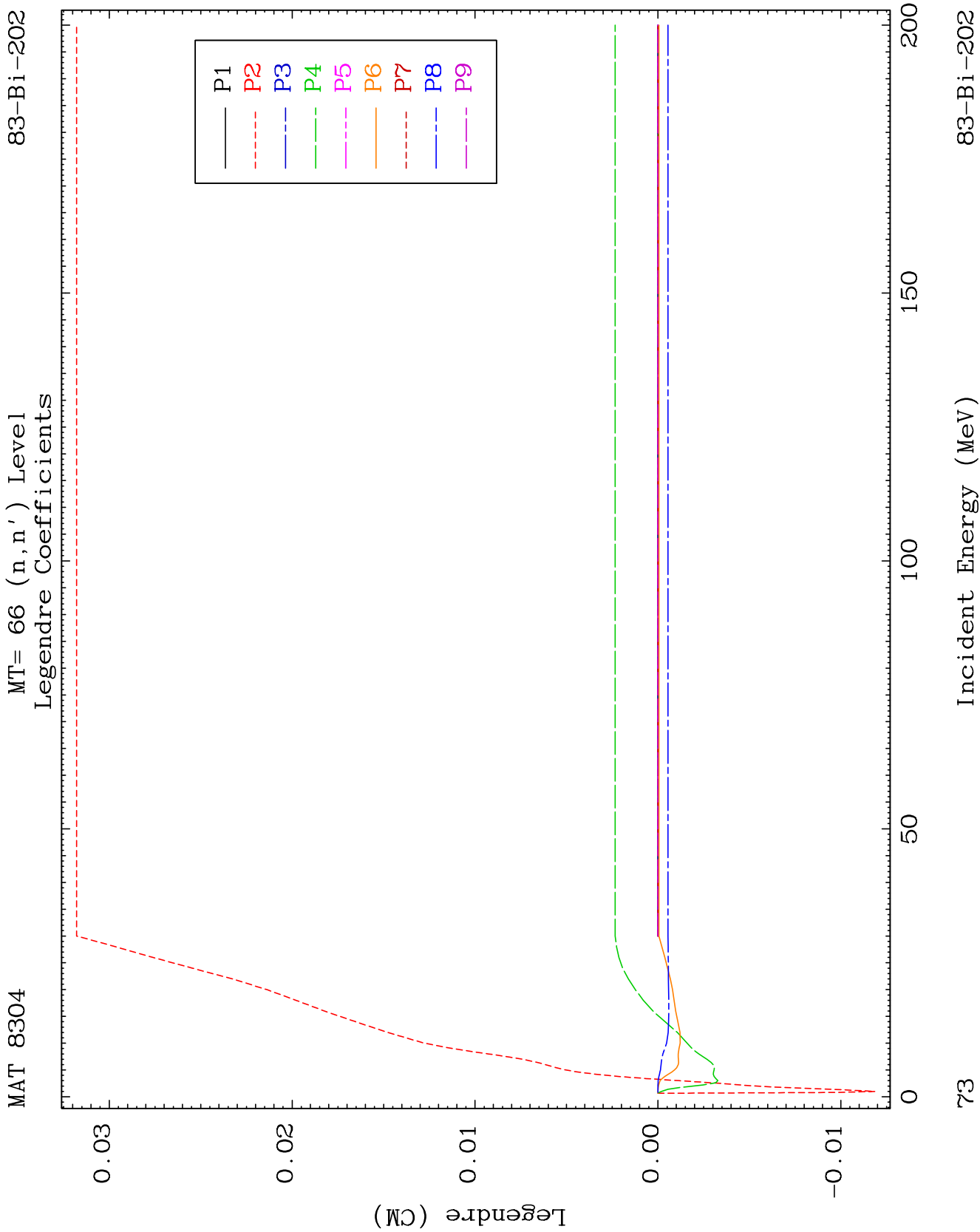


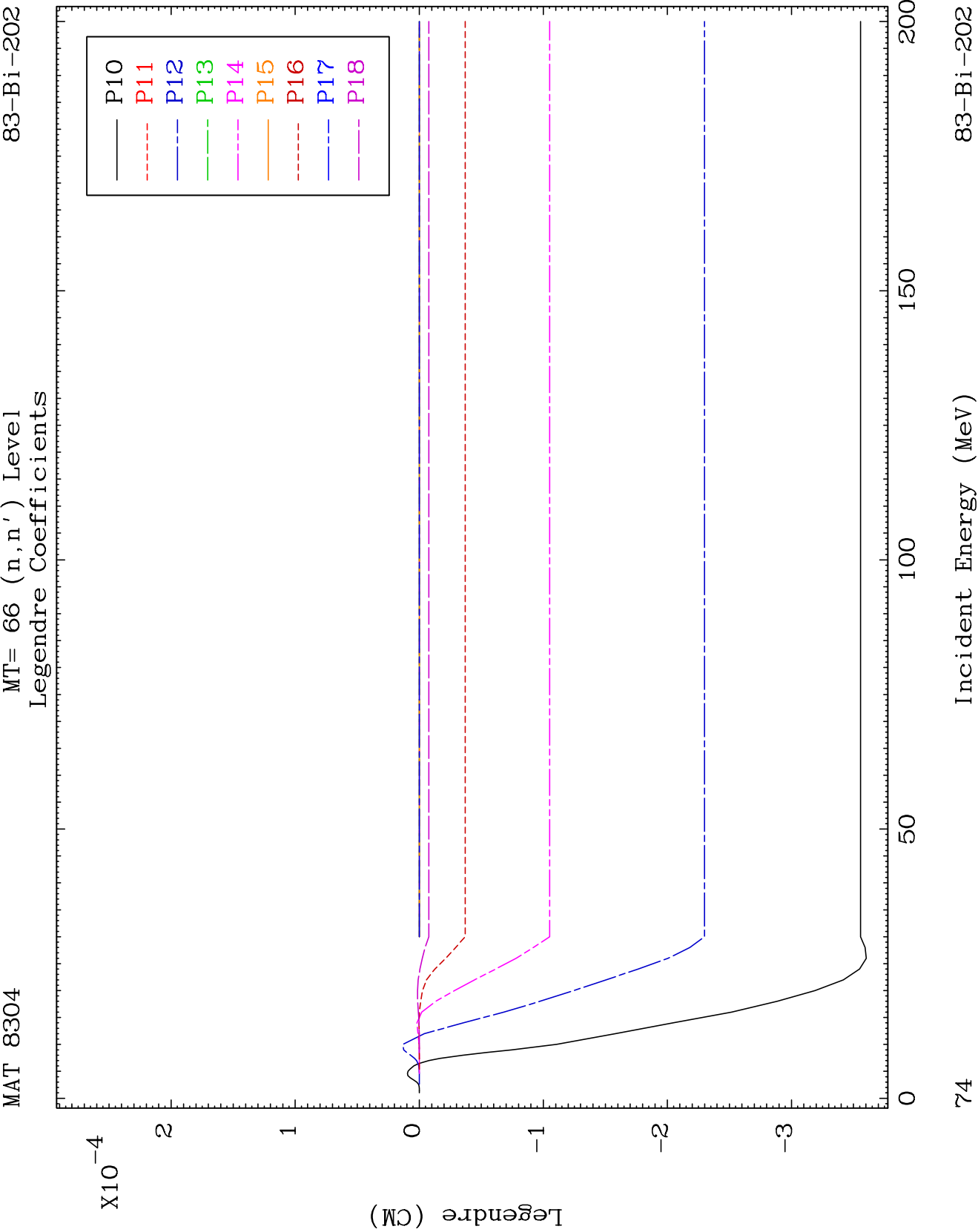
MAT 8304

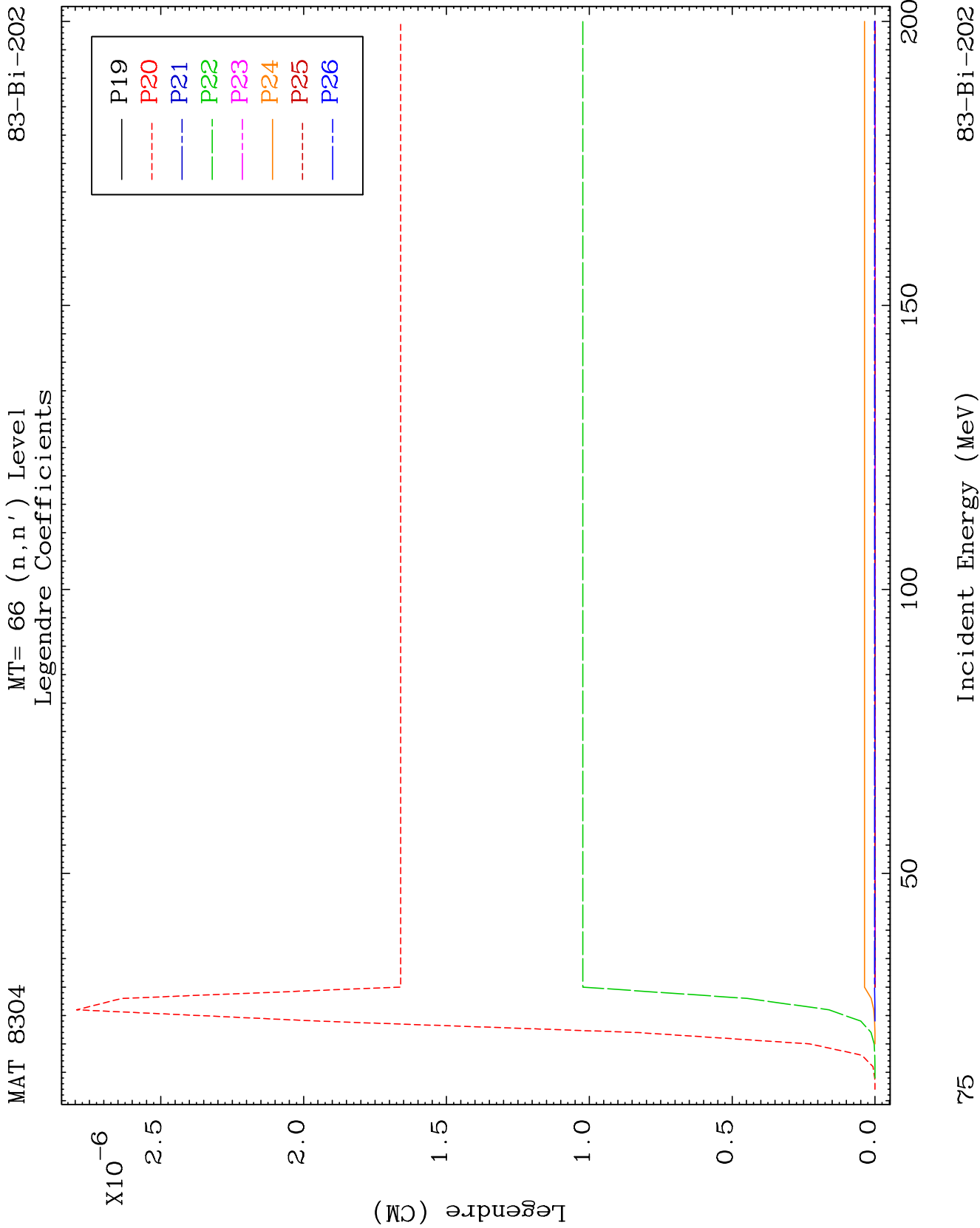
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Legendre Coefficients

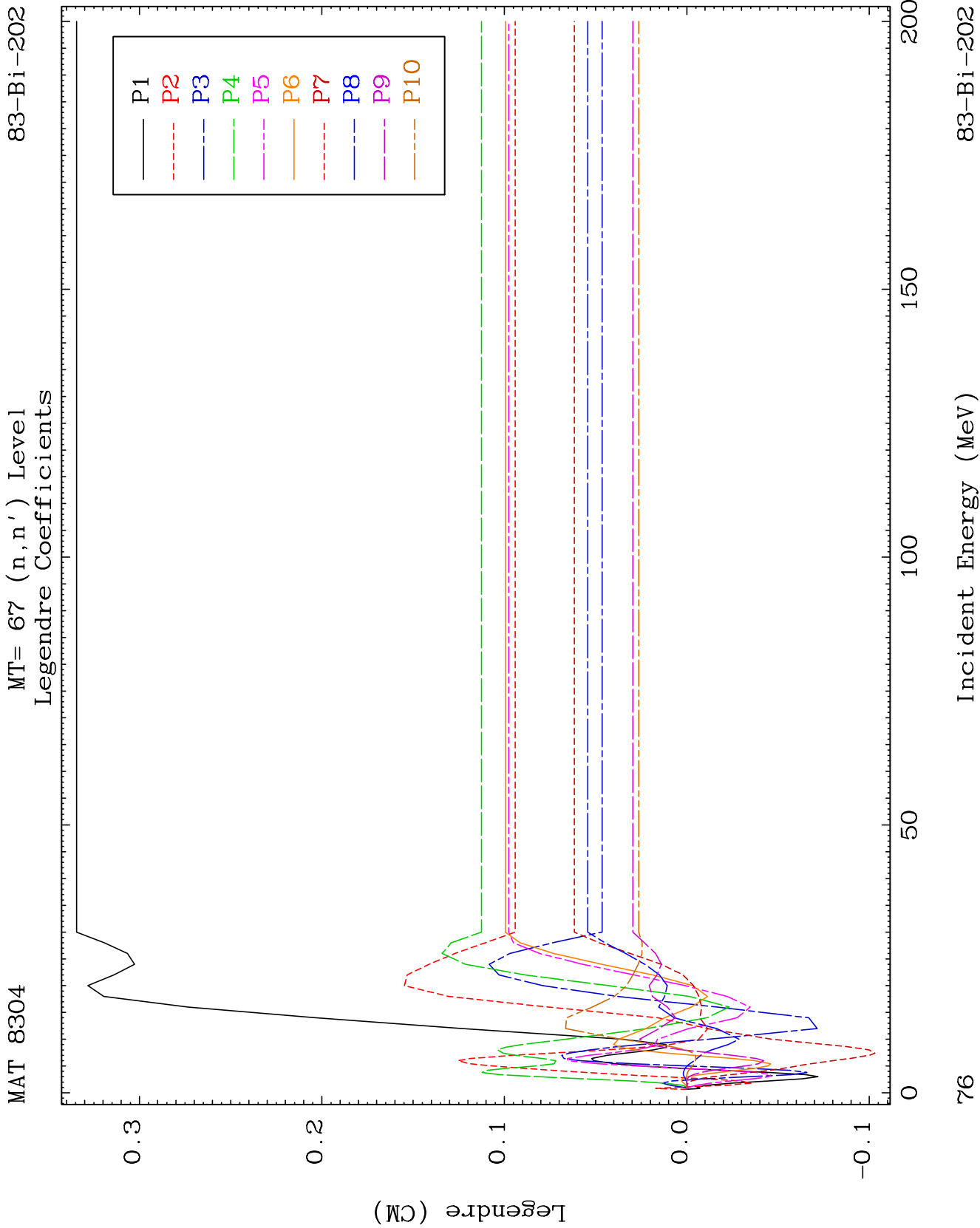
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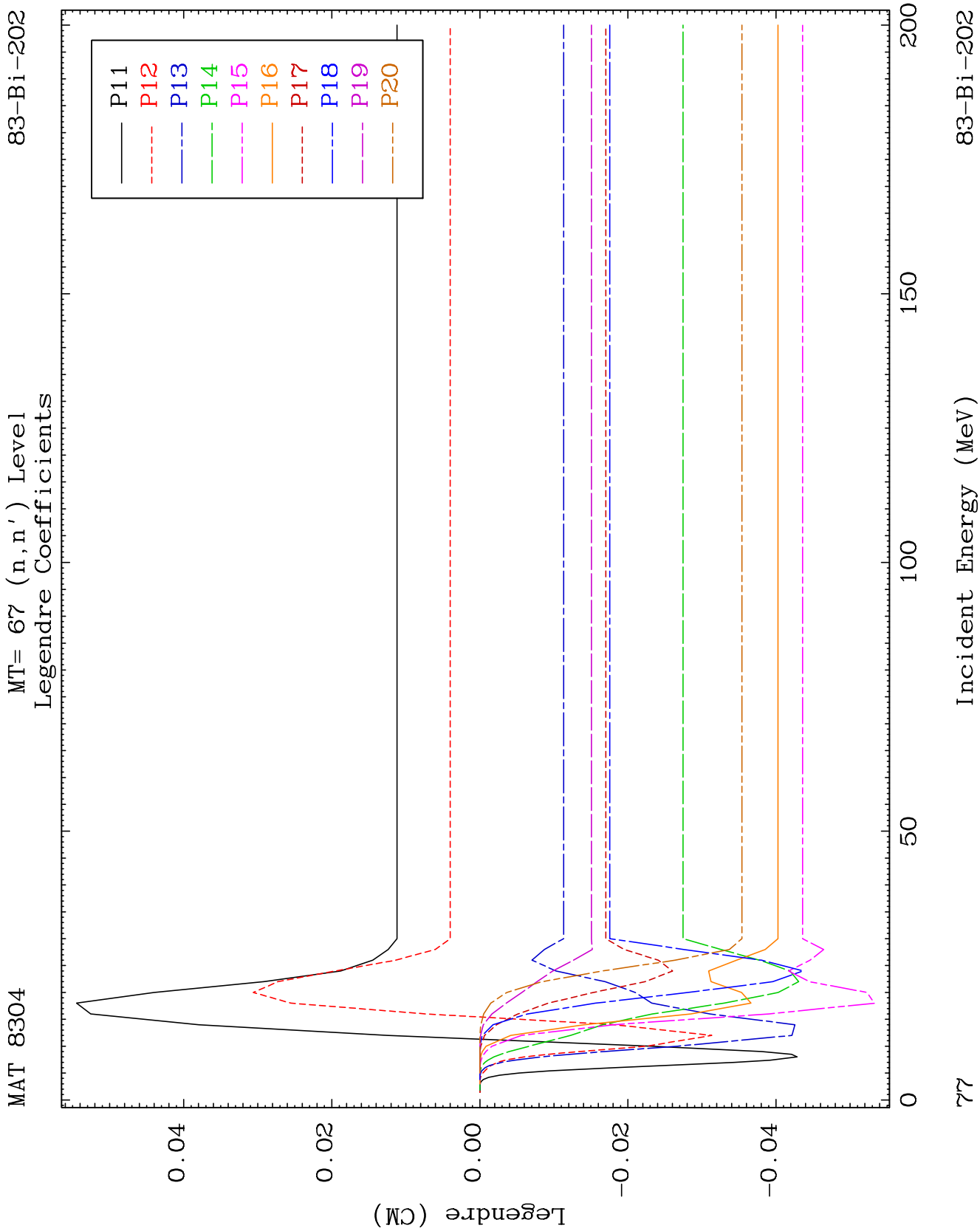


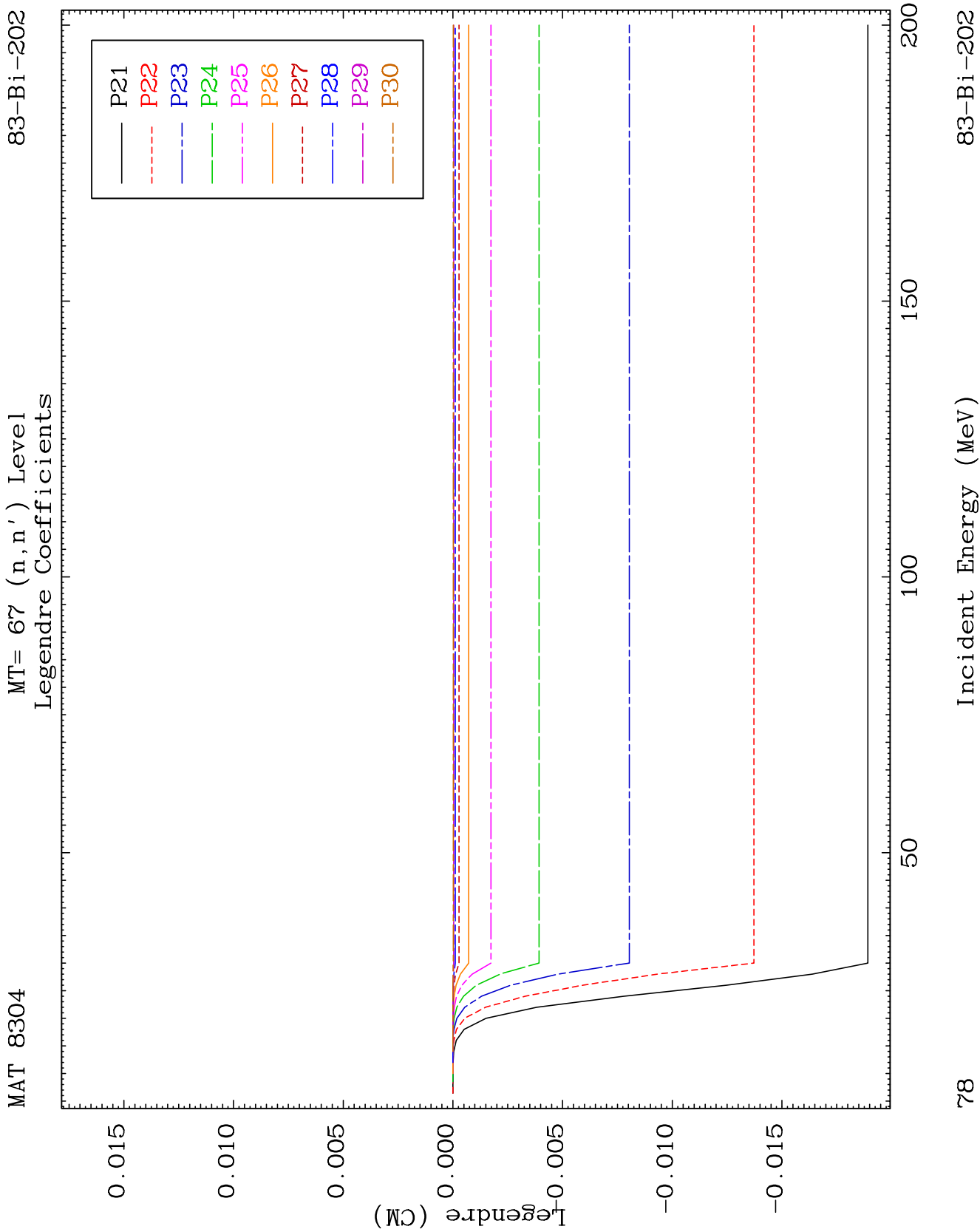


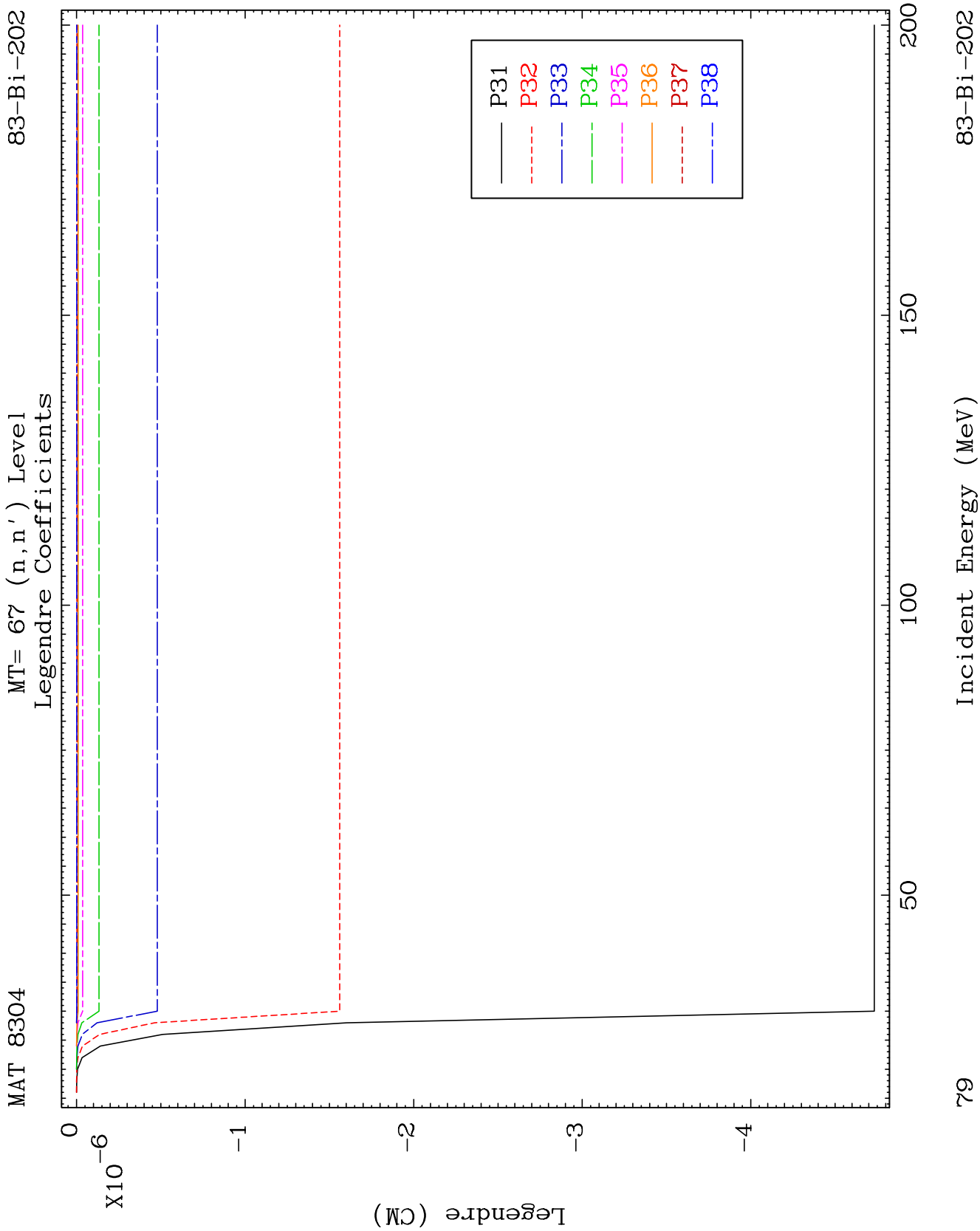


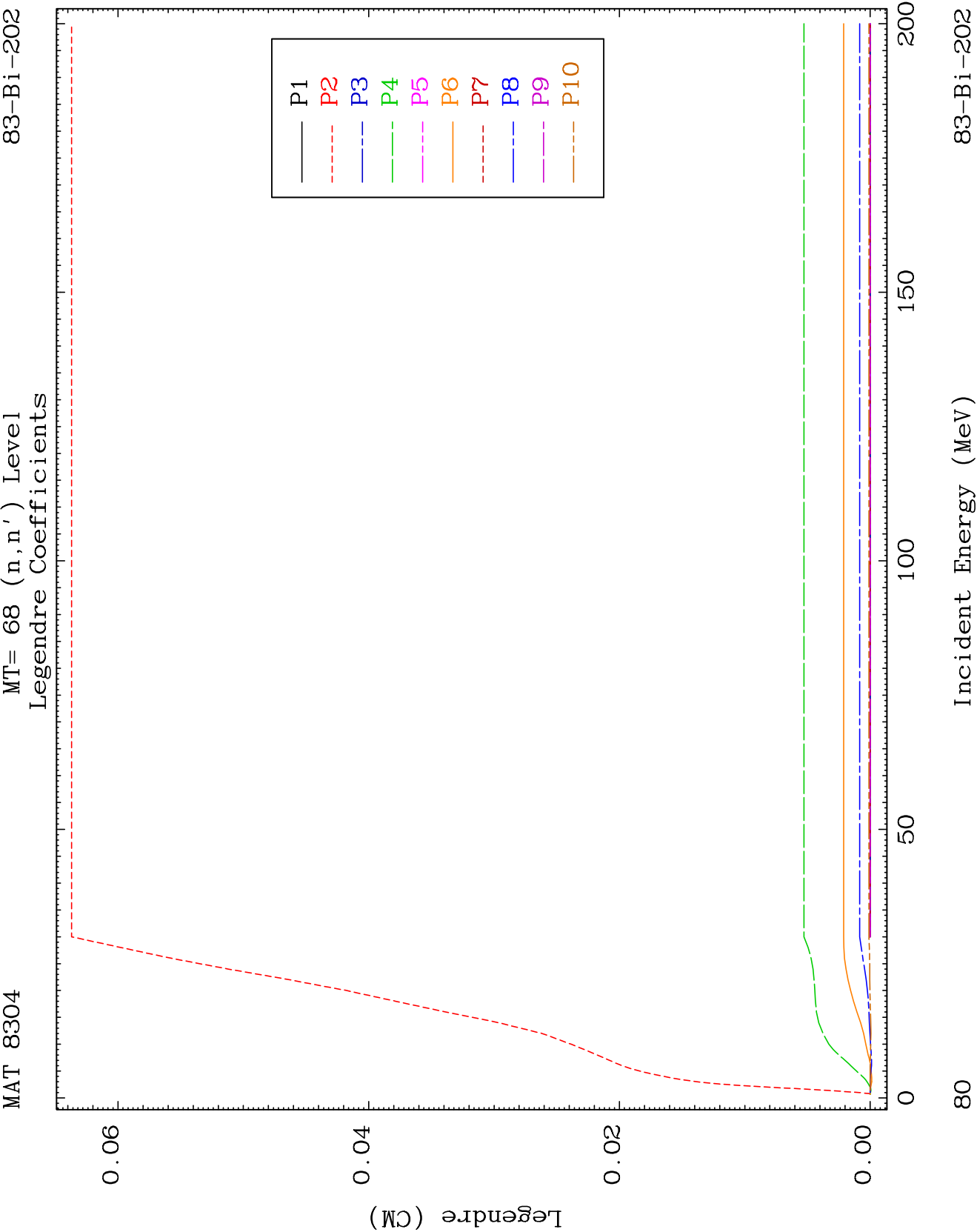








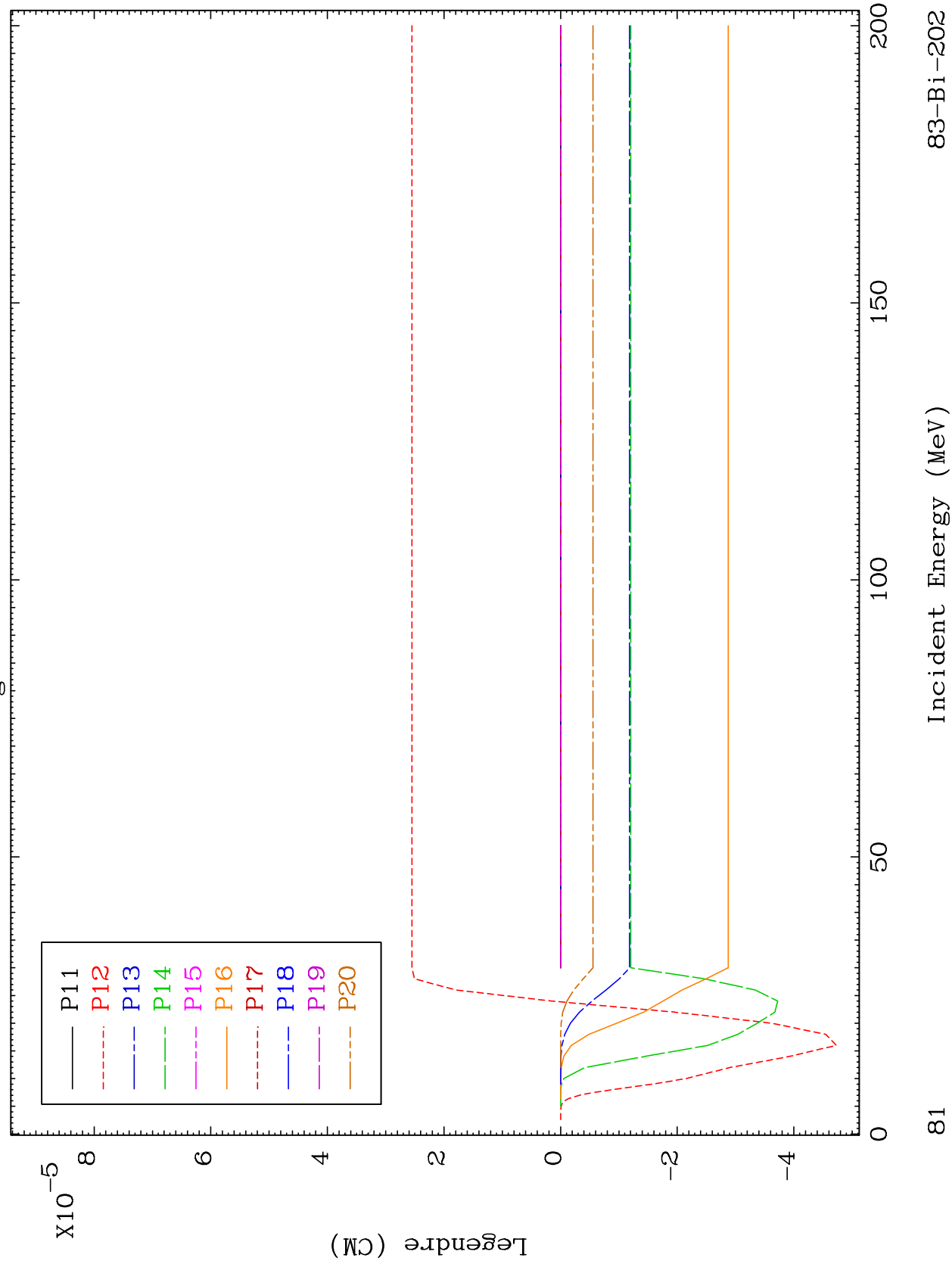


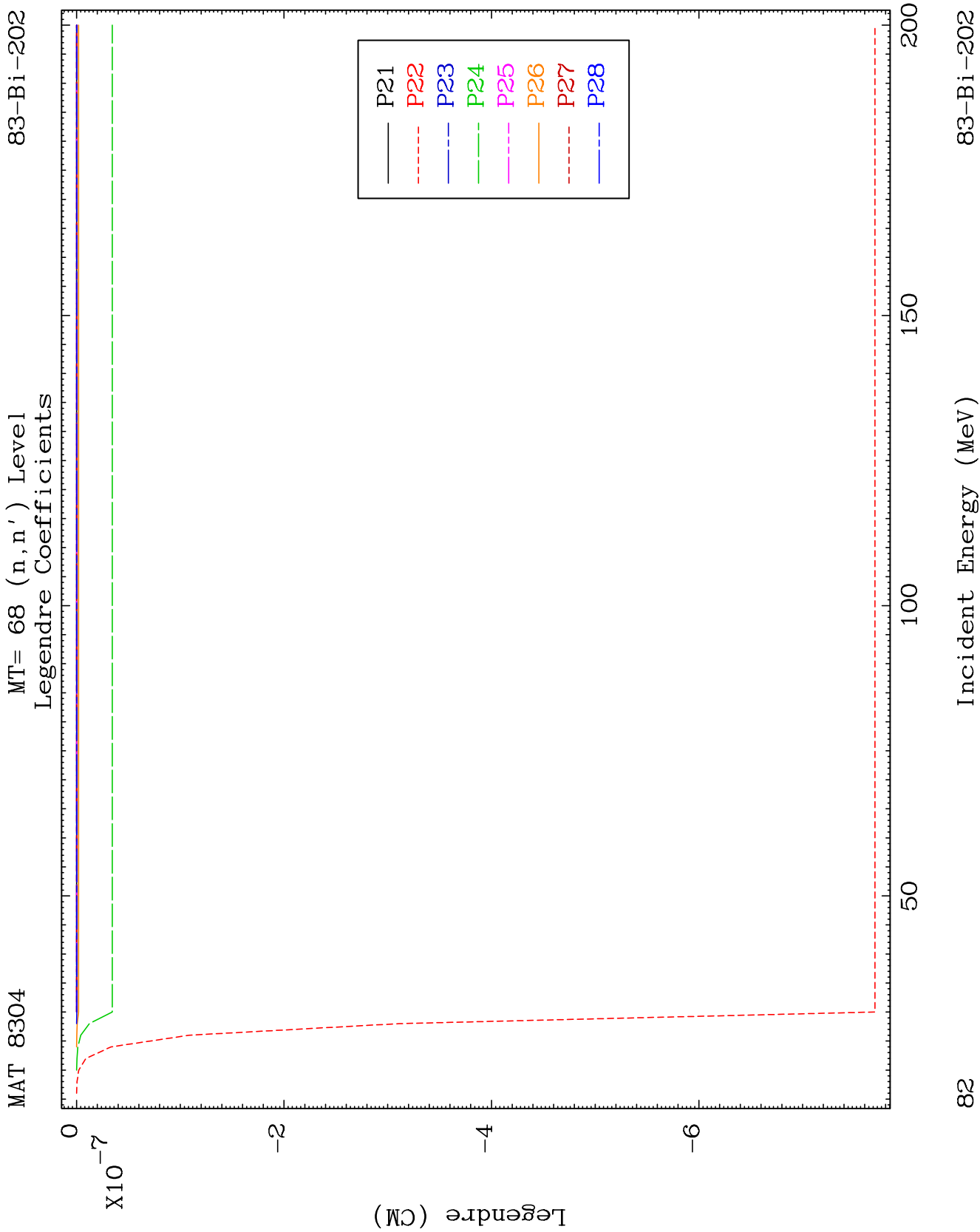


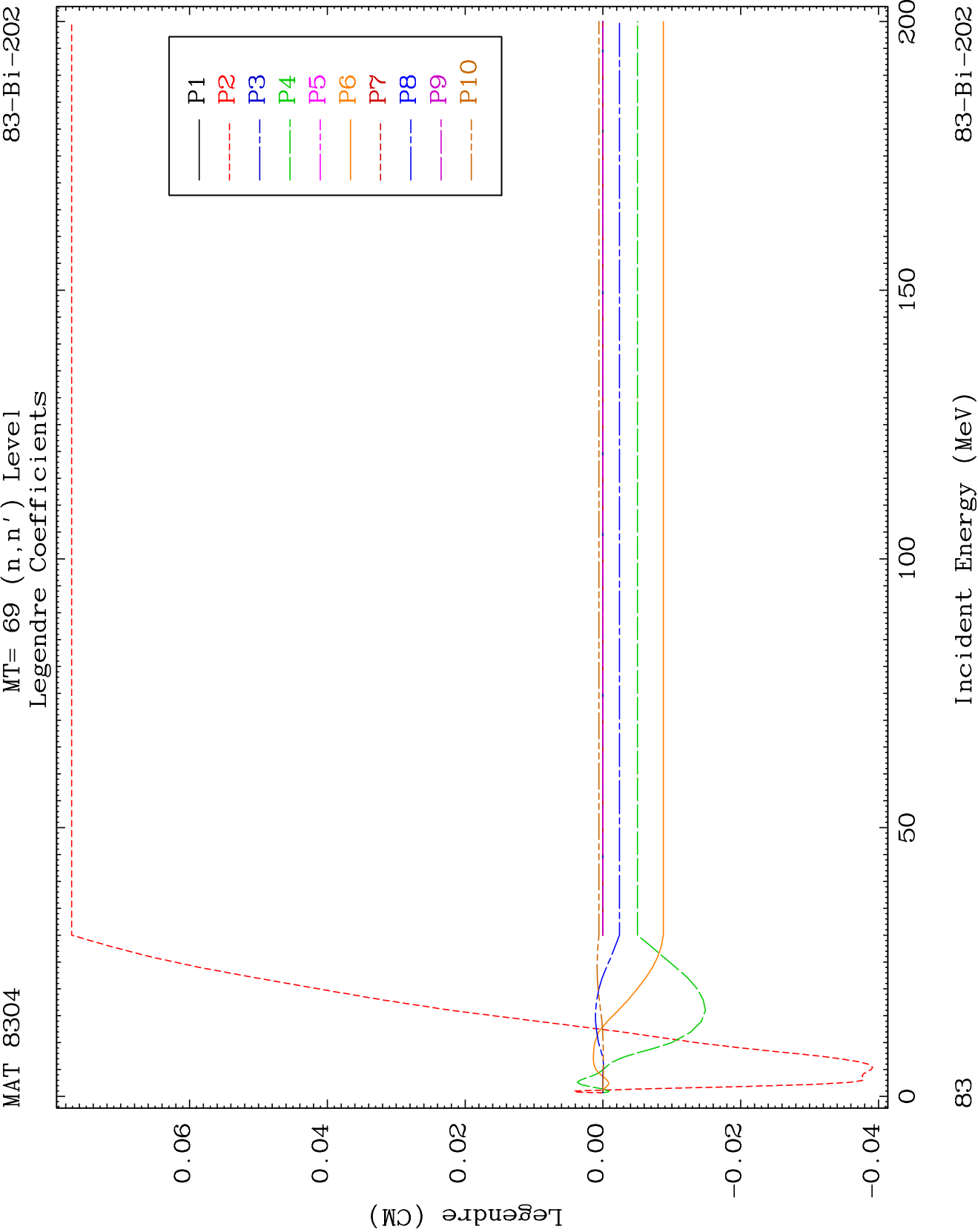
MAT 8304

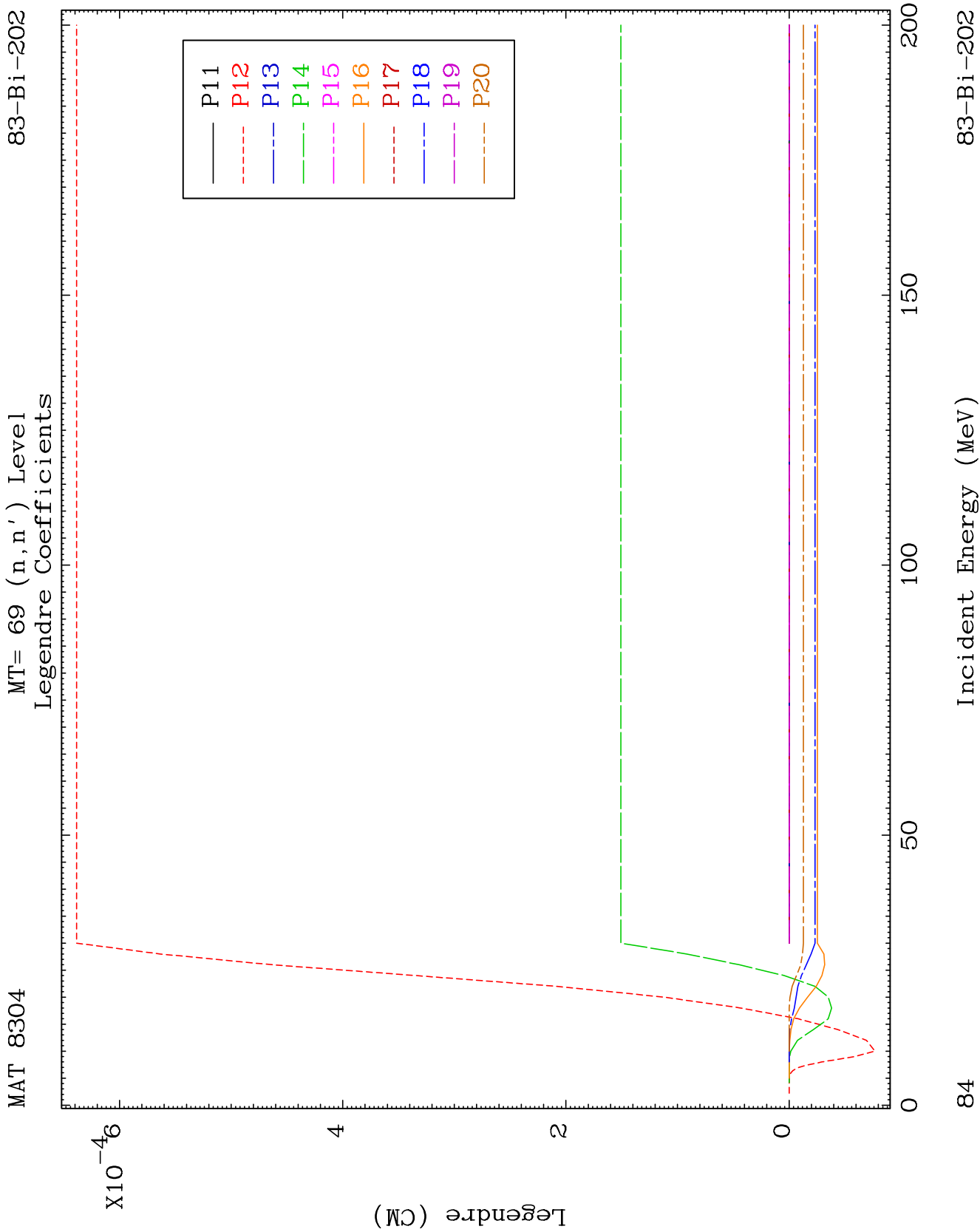
MT= 68 (n, n') Level
Legendre Coefficients

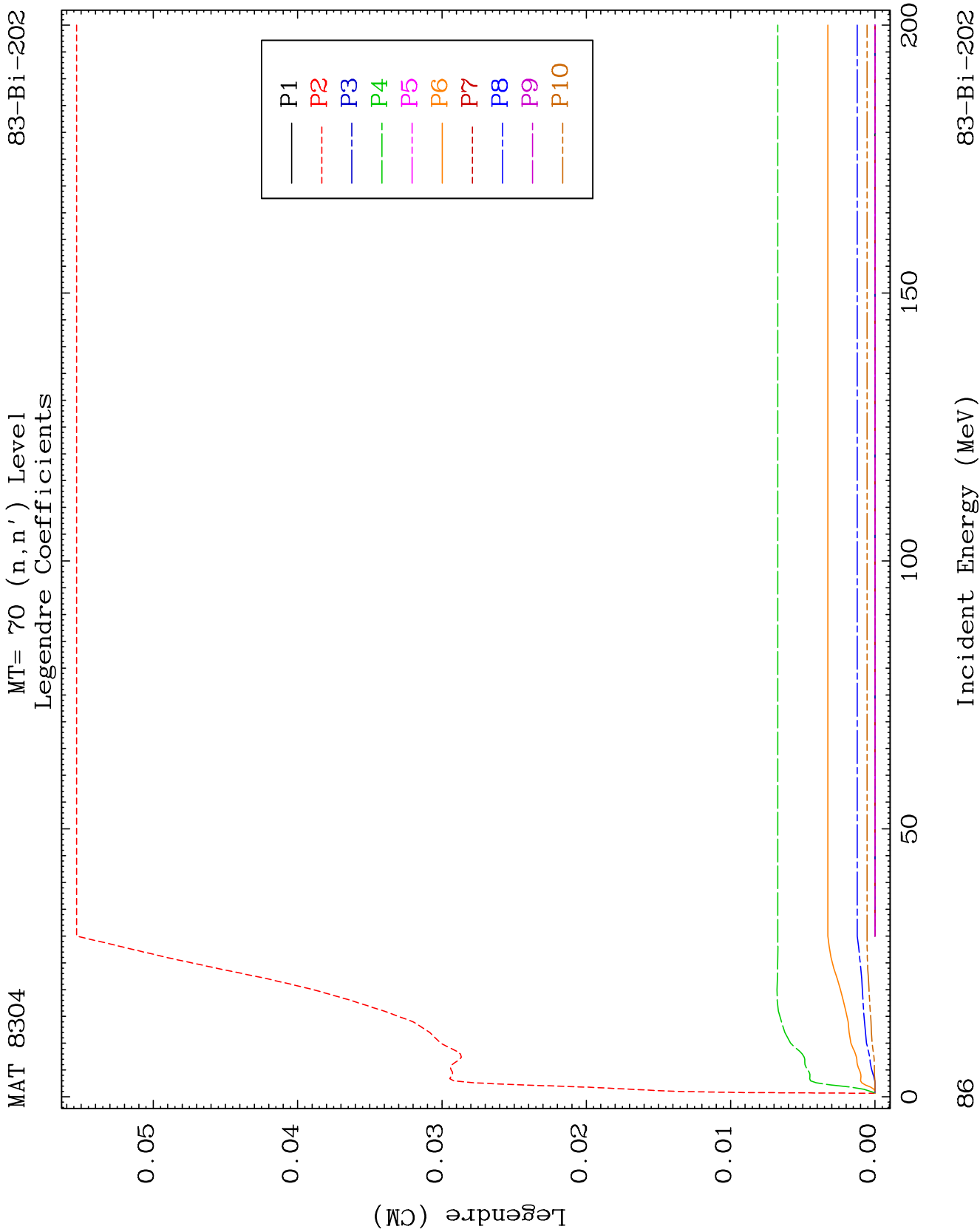
83-Bi-202







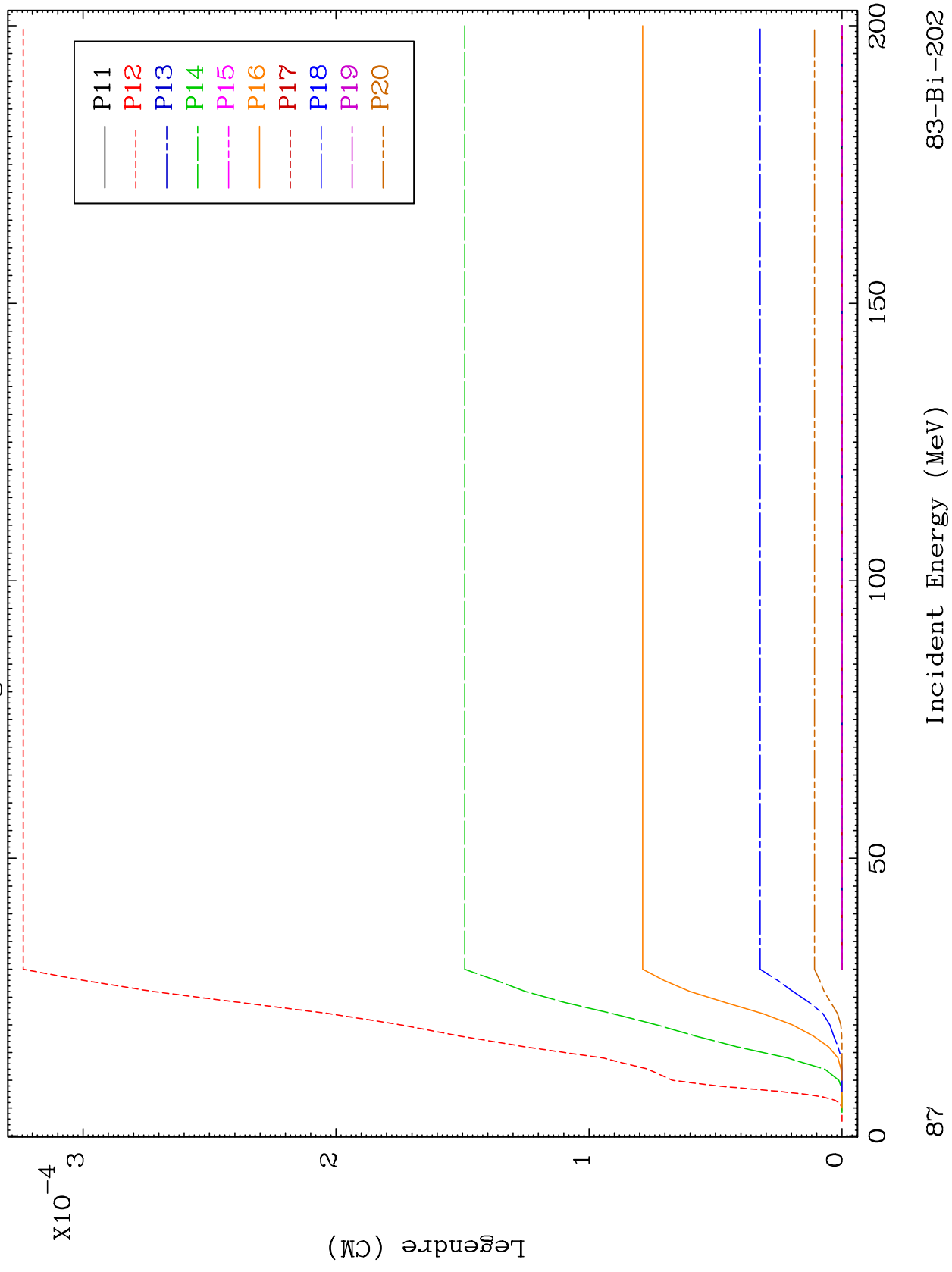




MAT 8304

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

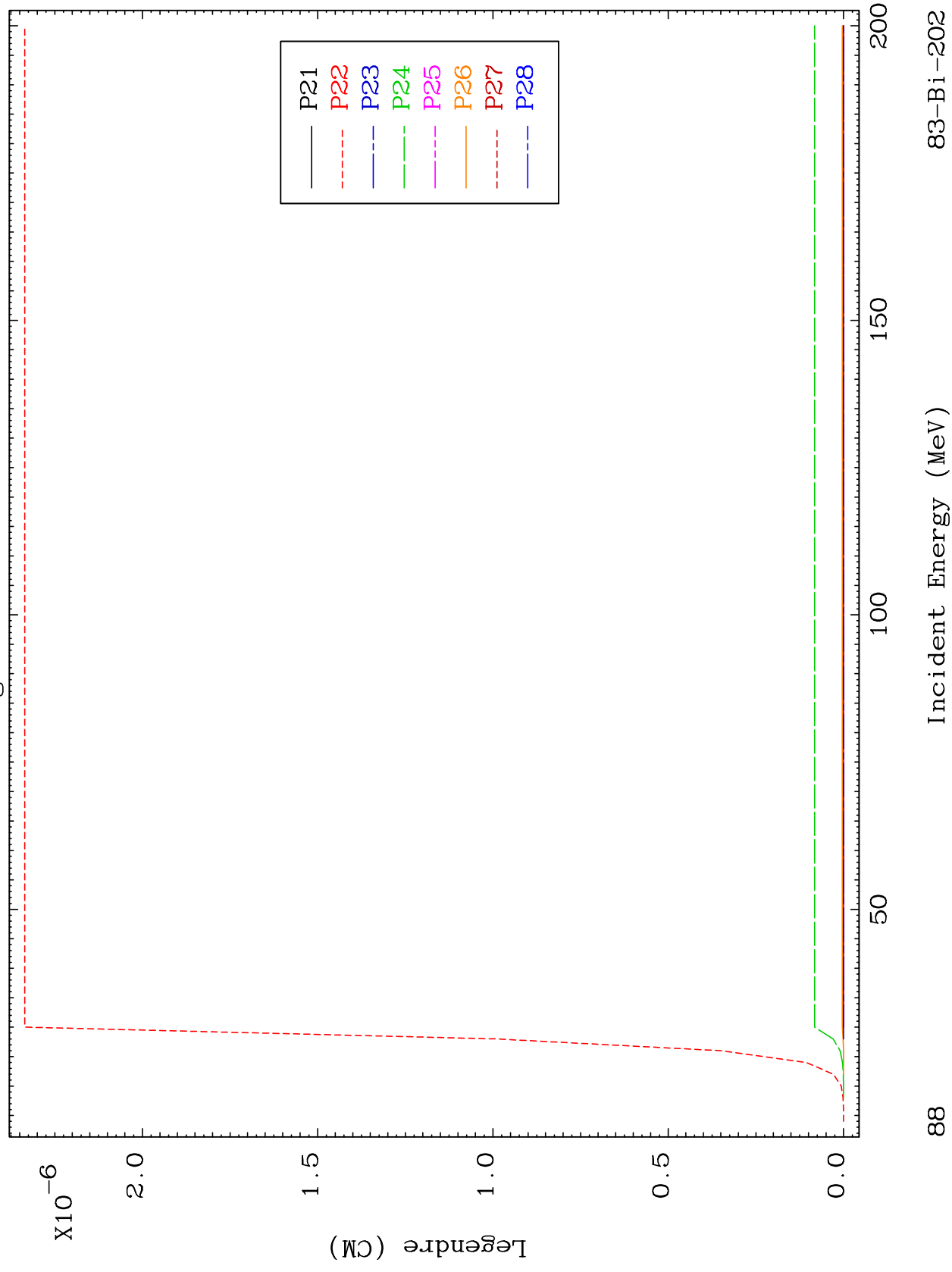
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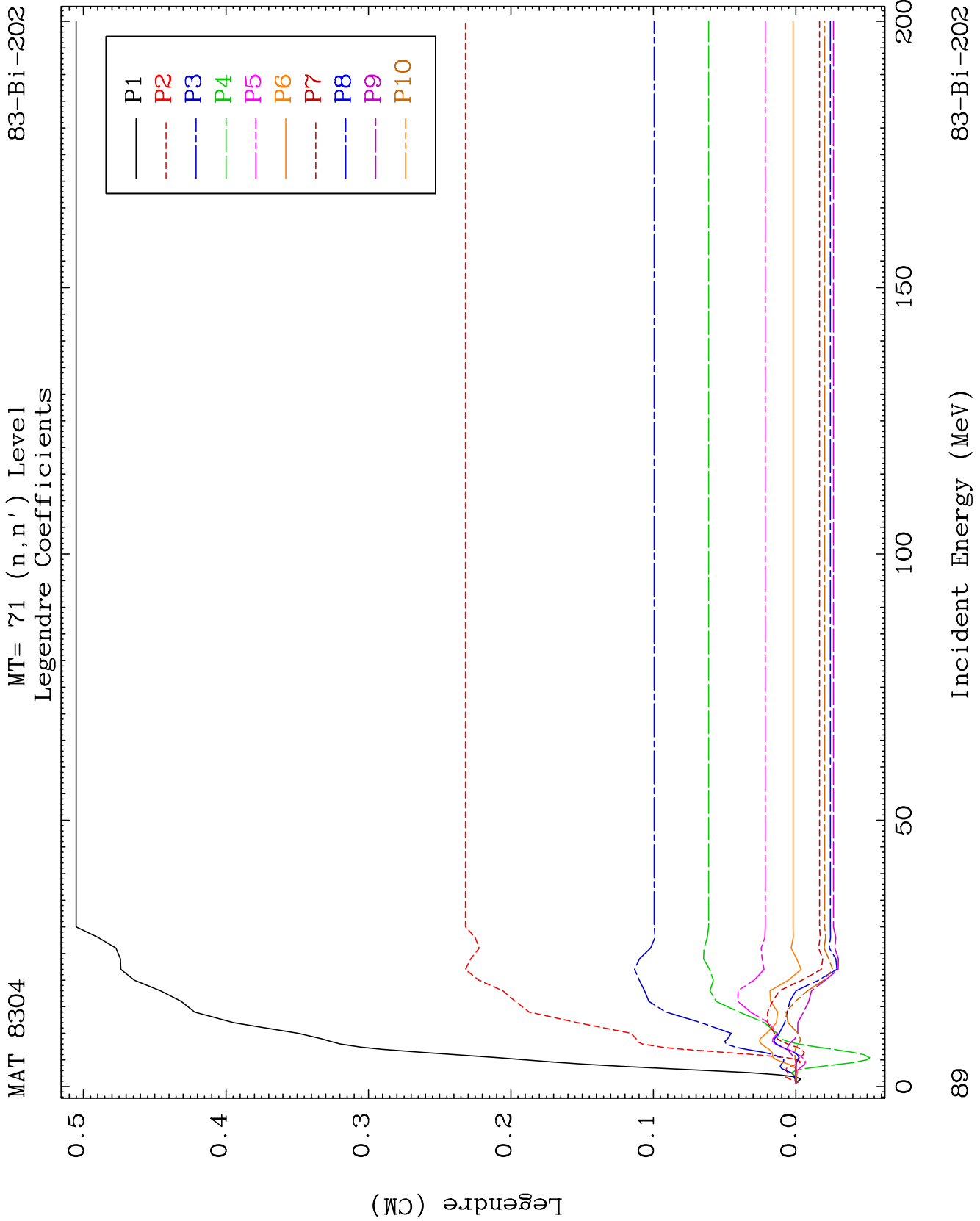


MAT 8304

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

83-Bi-202

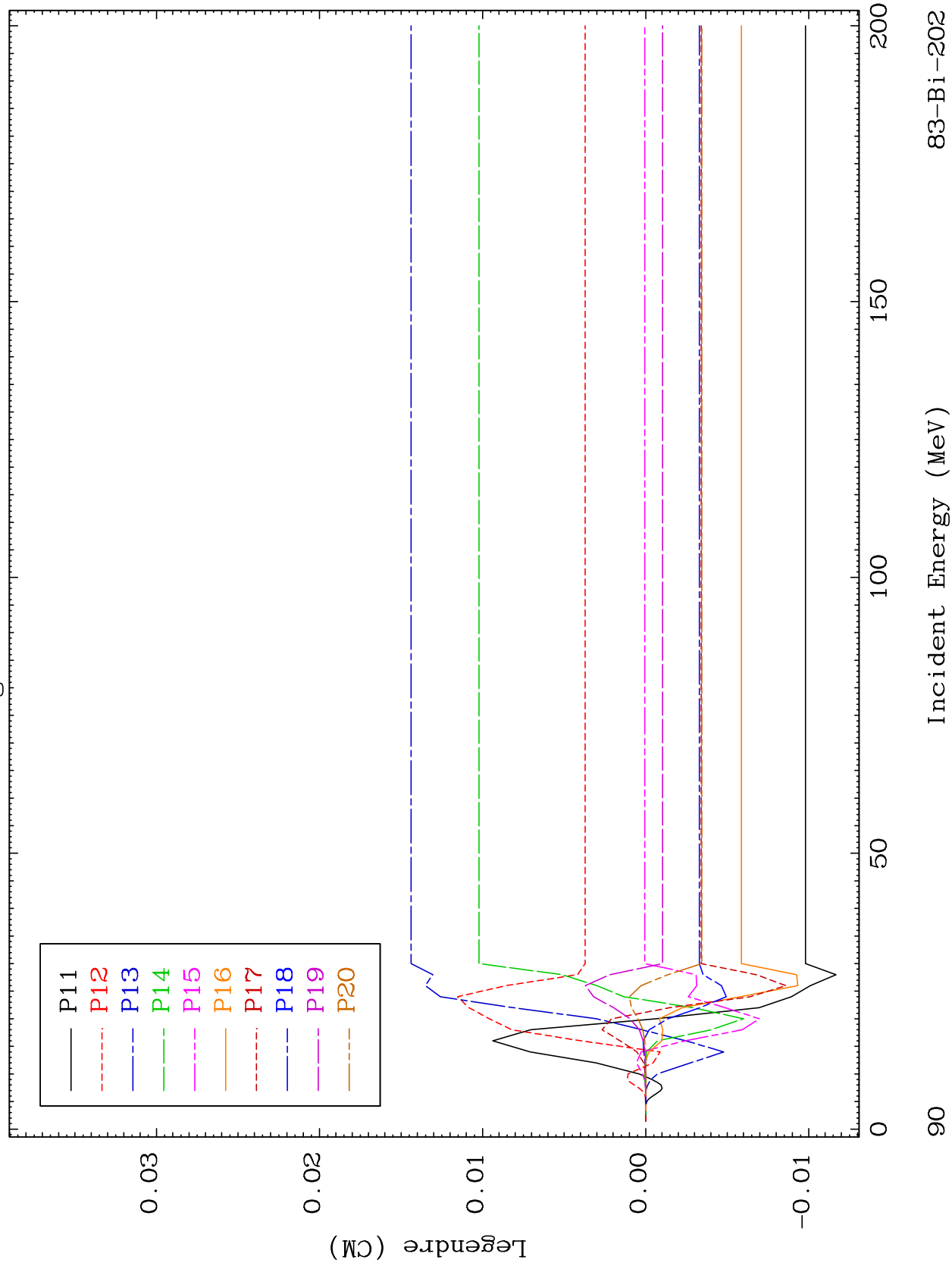


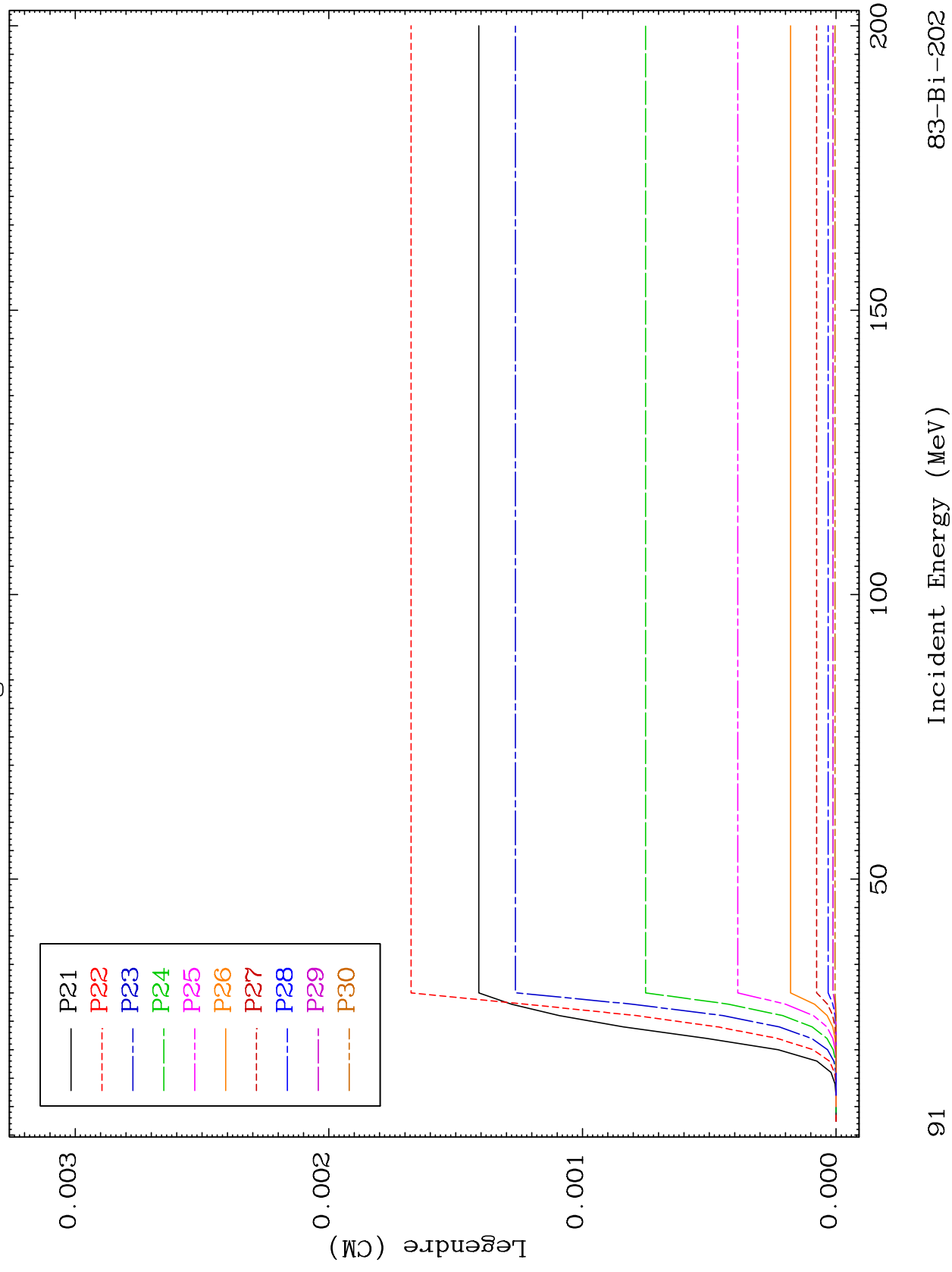


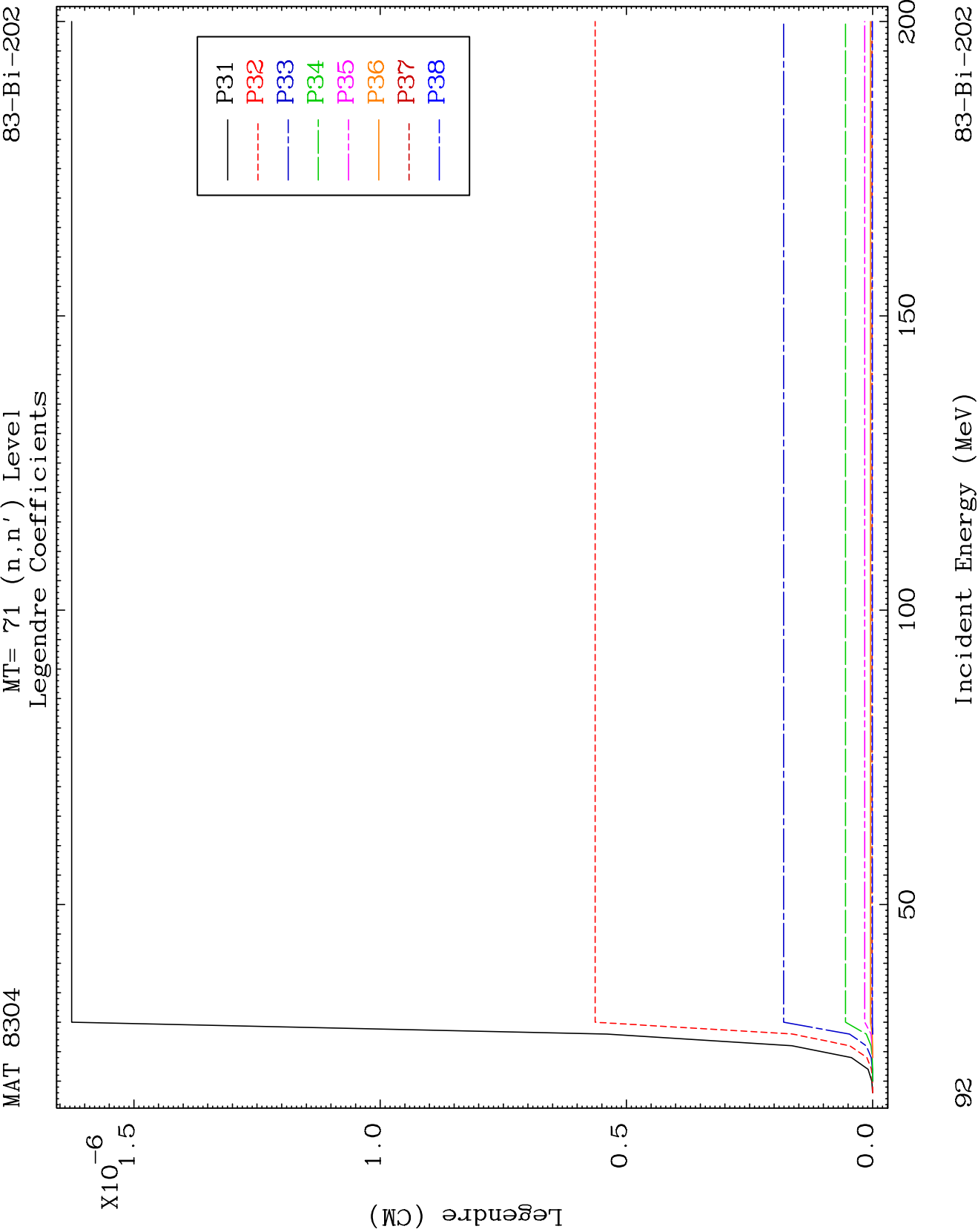
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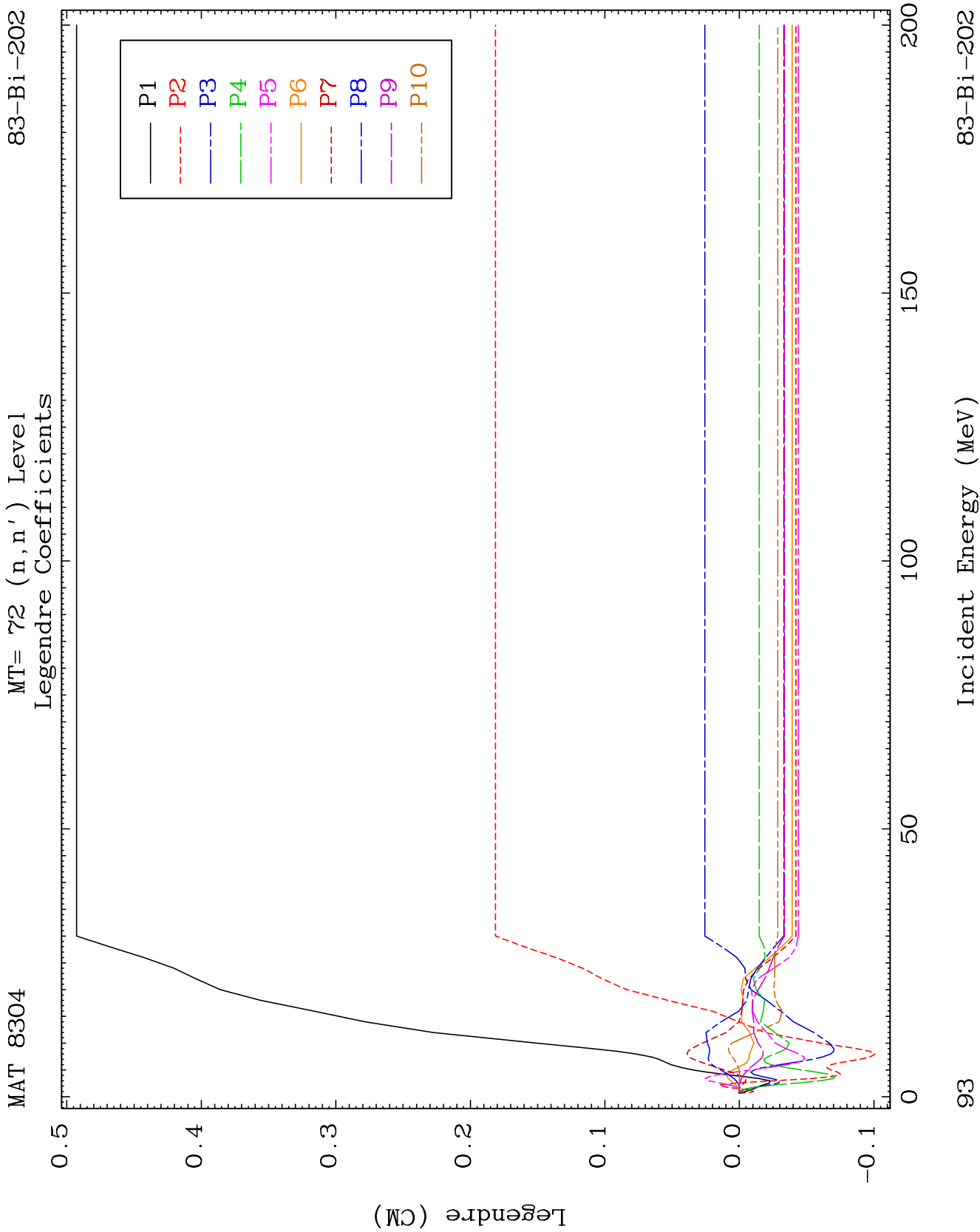
MT= 71 (n, n') Level
Legendre Coefficients

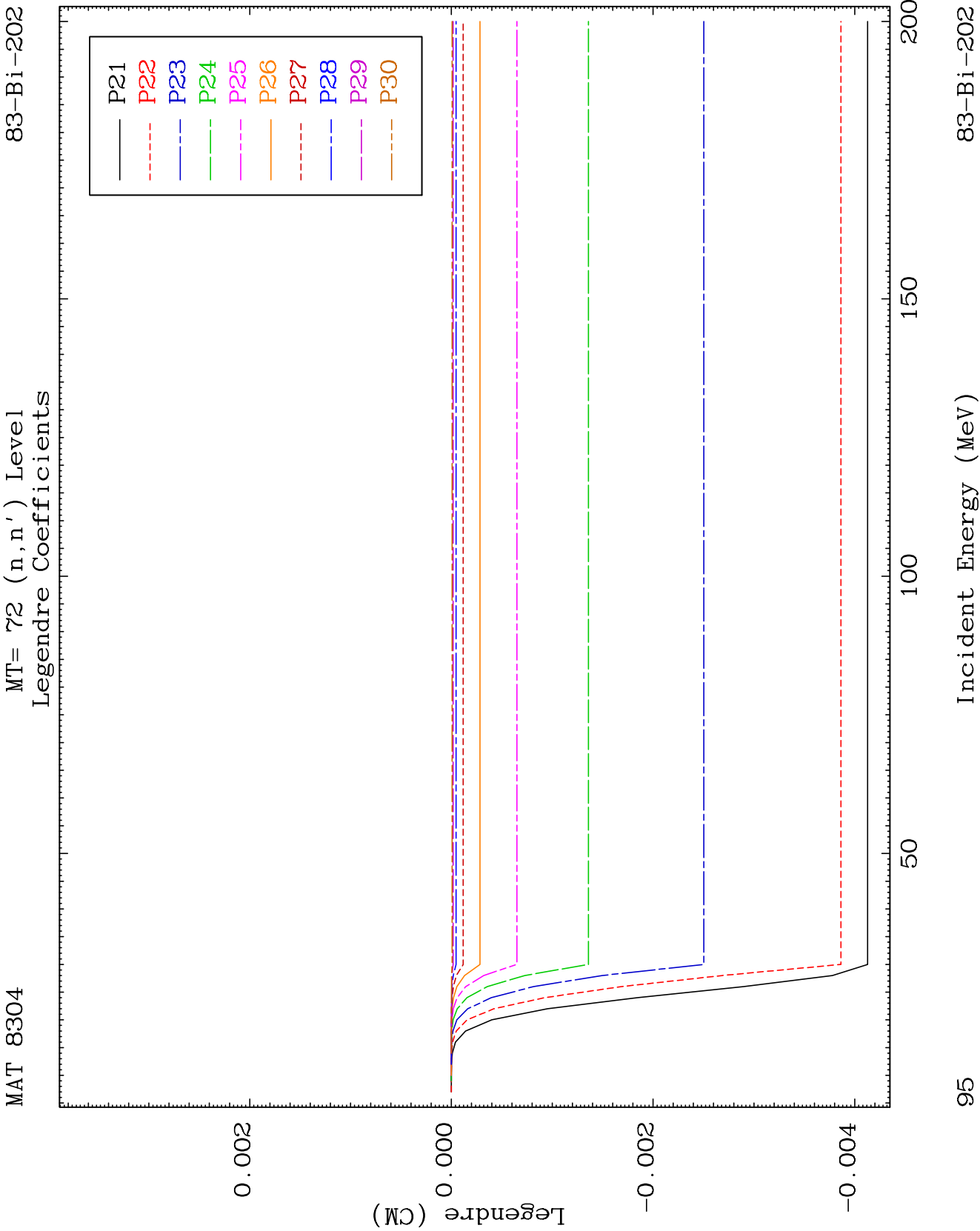
83-Bi-202

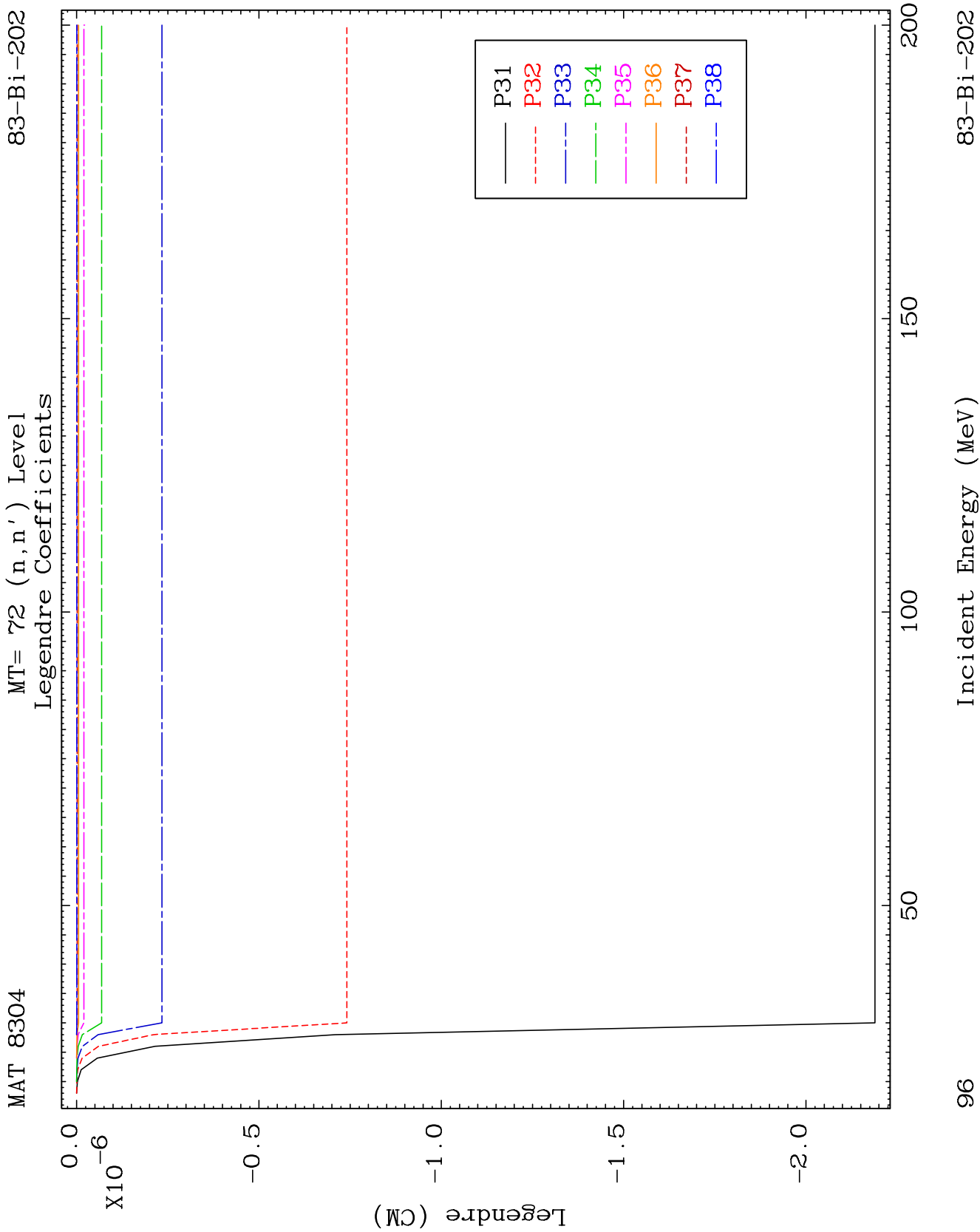


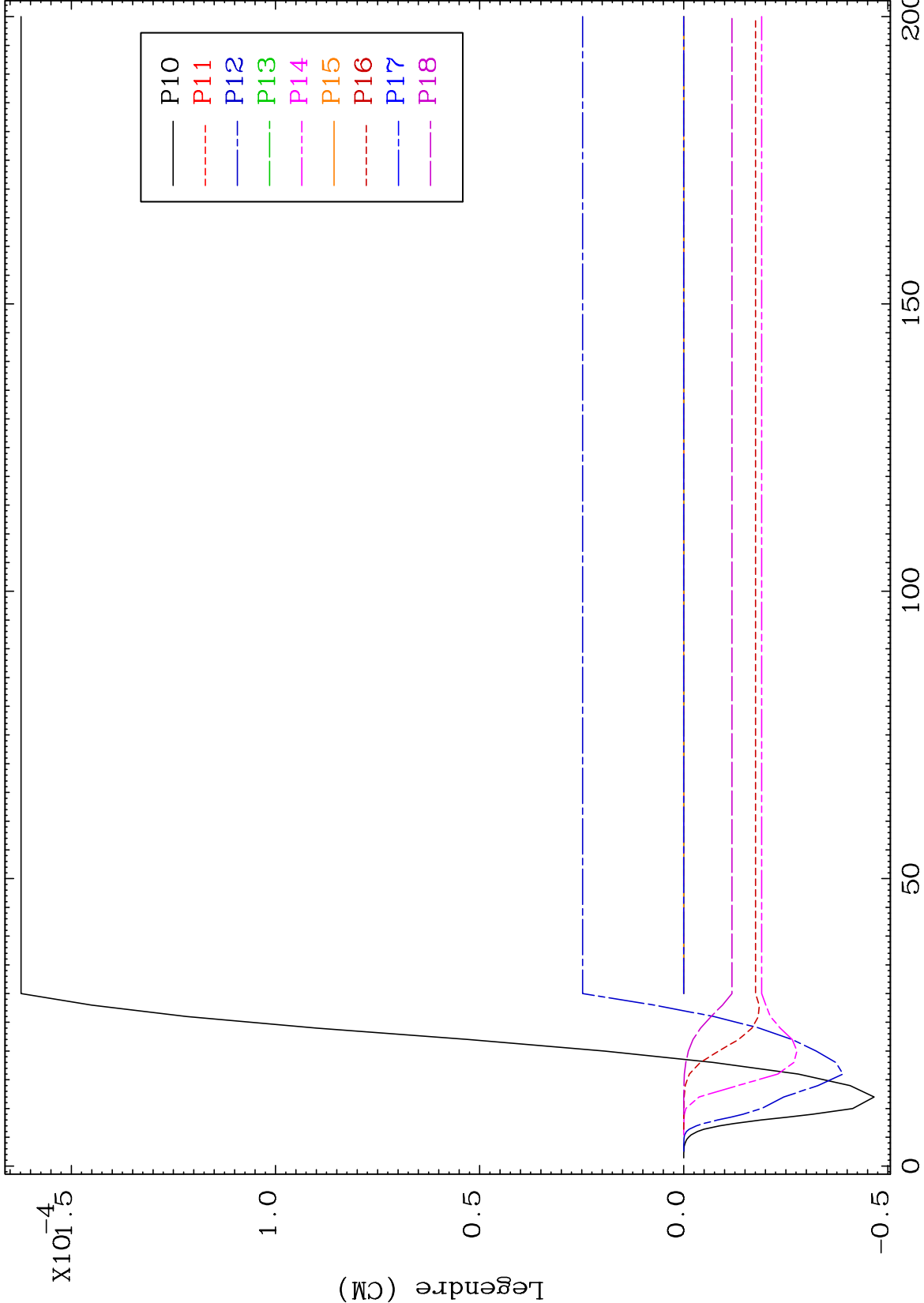


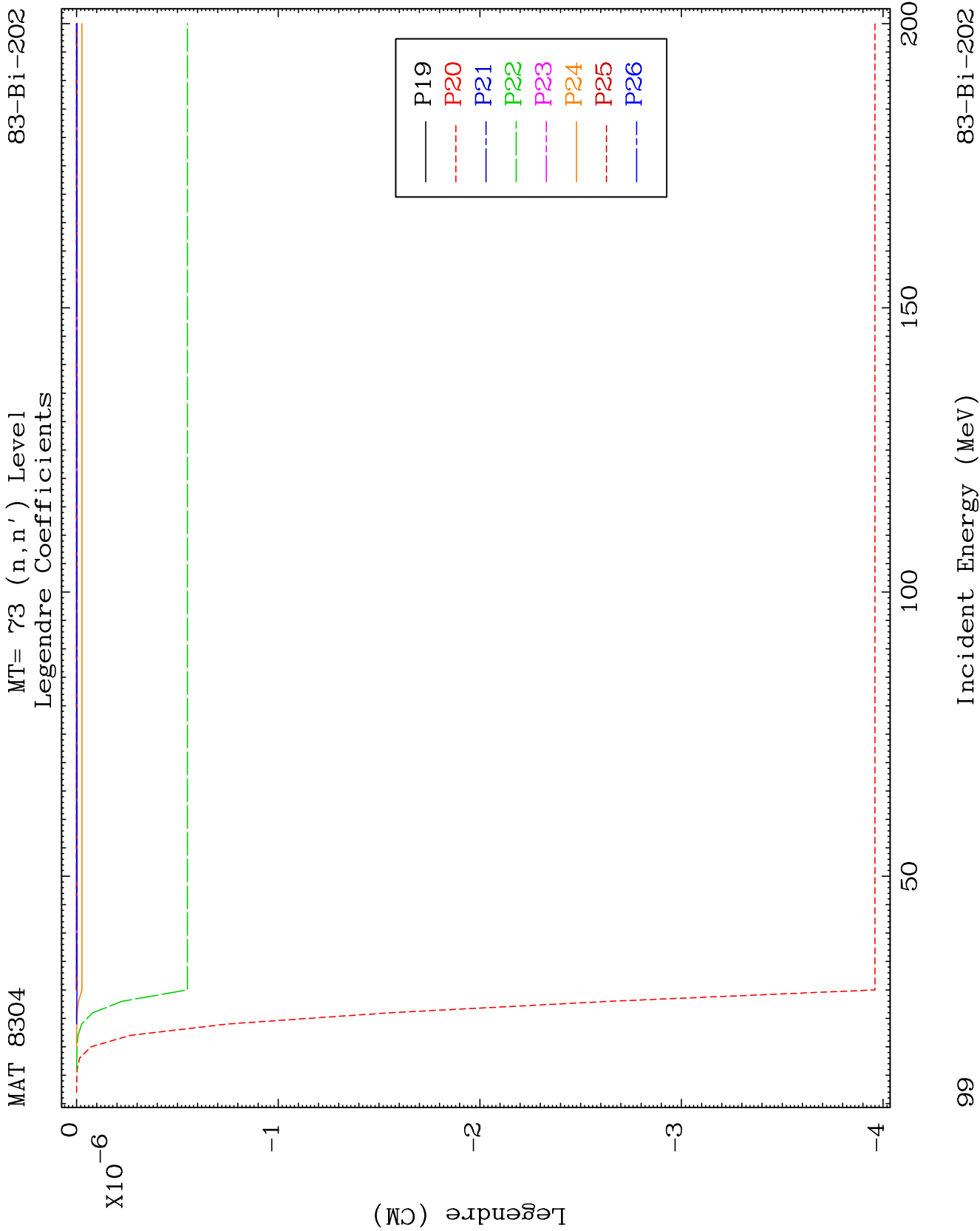








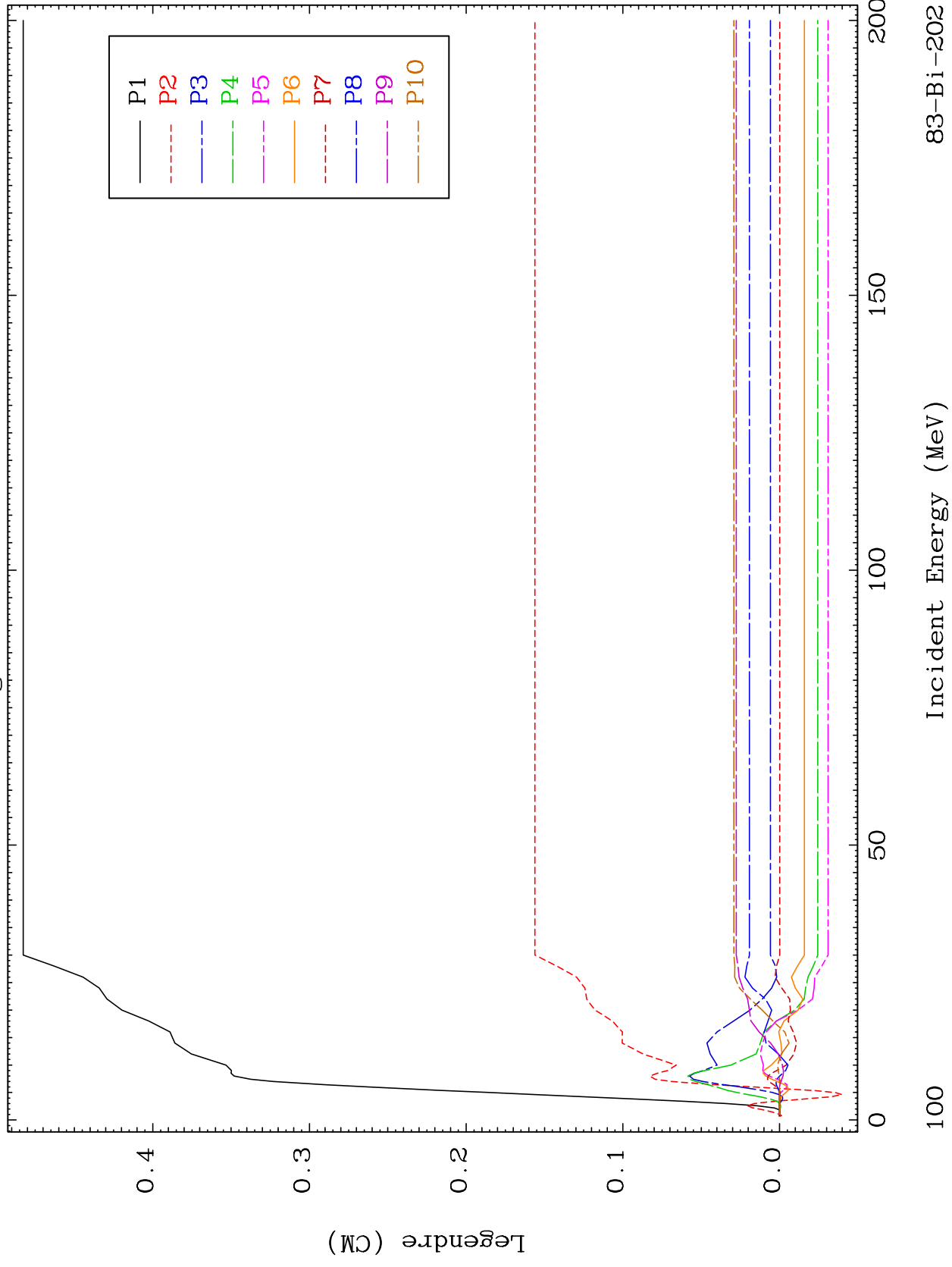




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MT= 74 (n, n') Level
Legendre Coefficients

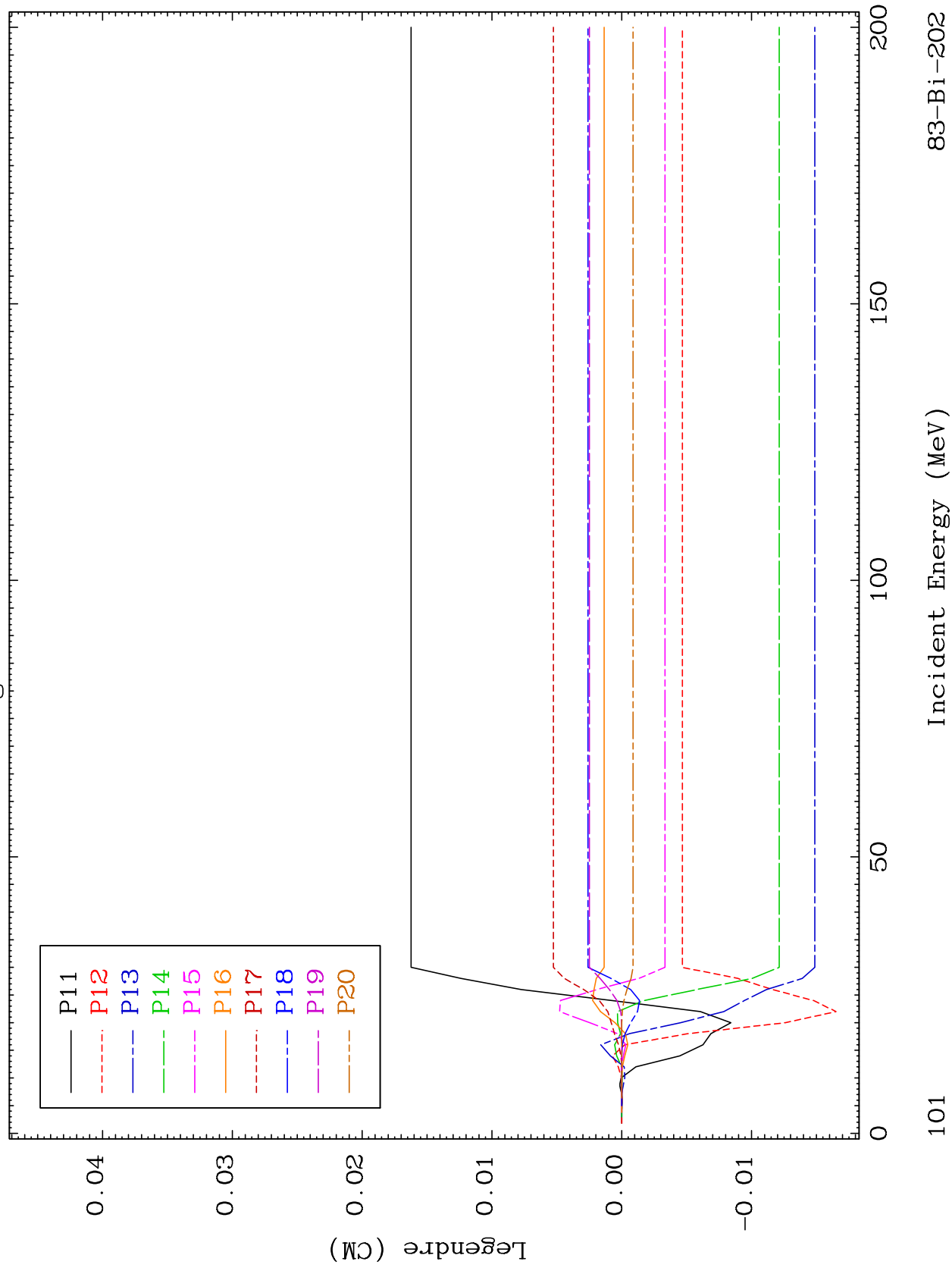
83-Bi-202

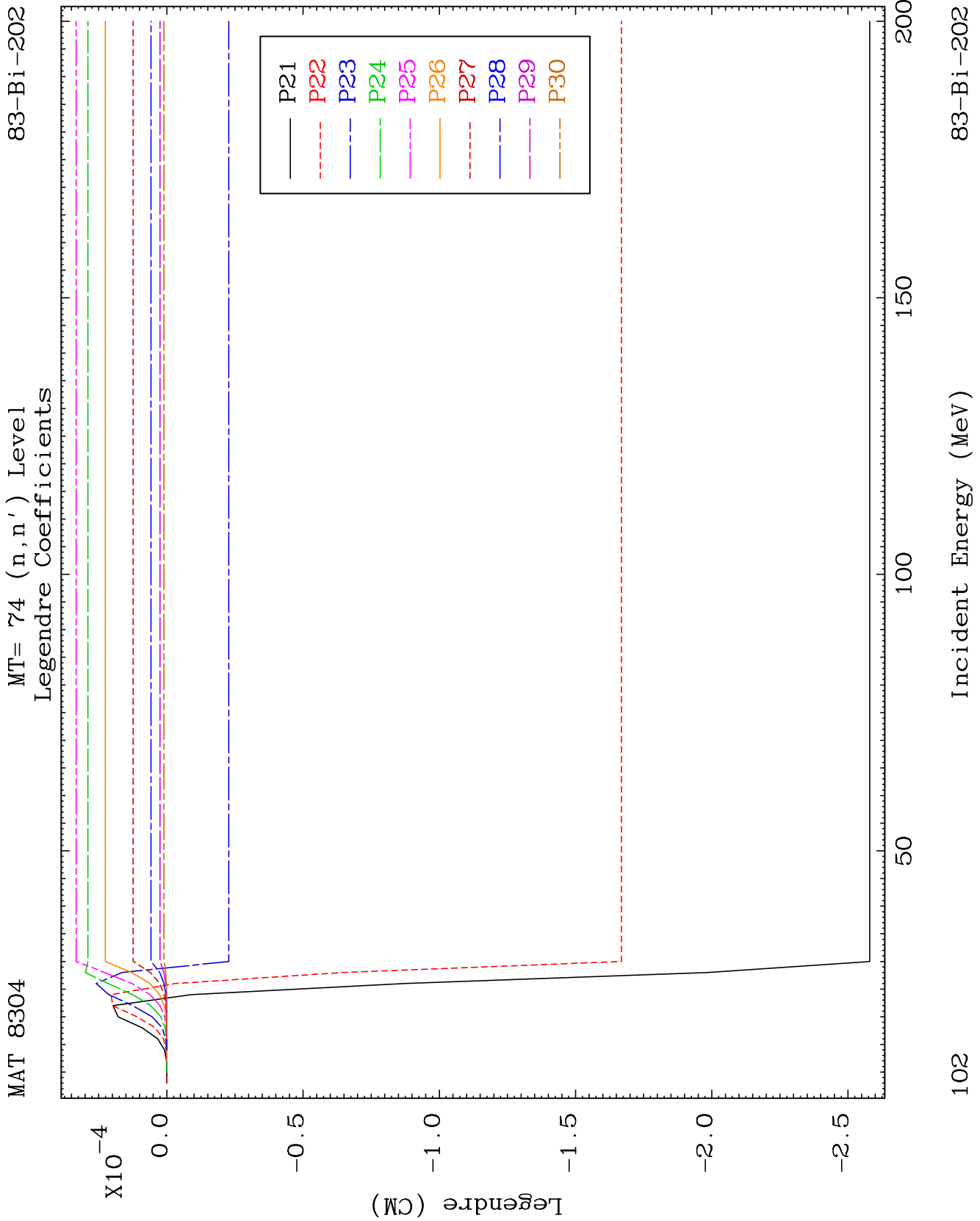


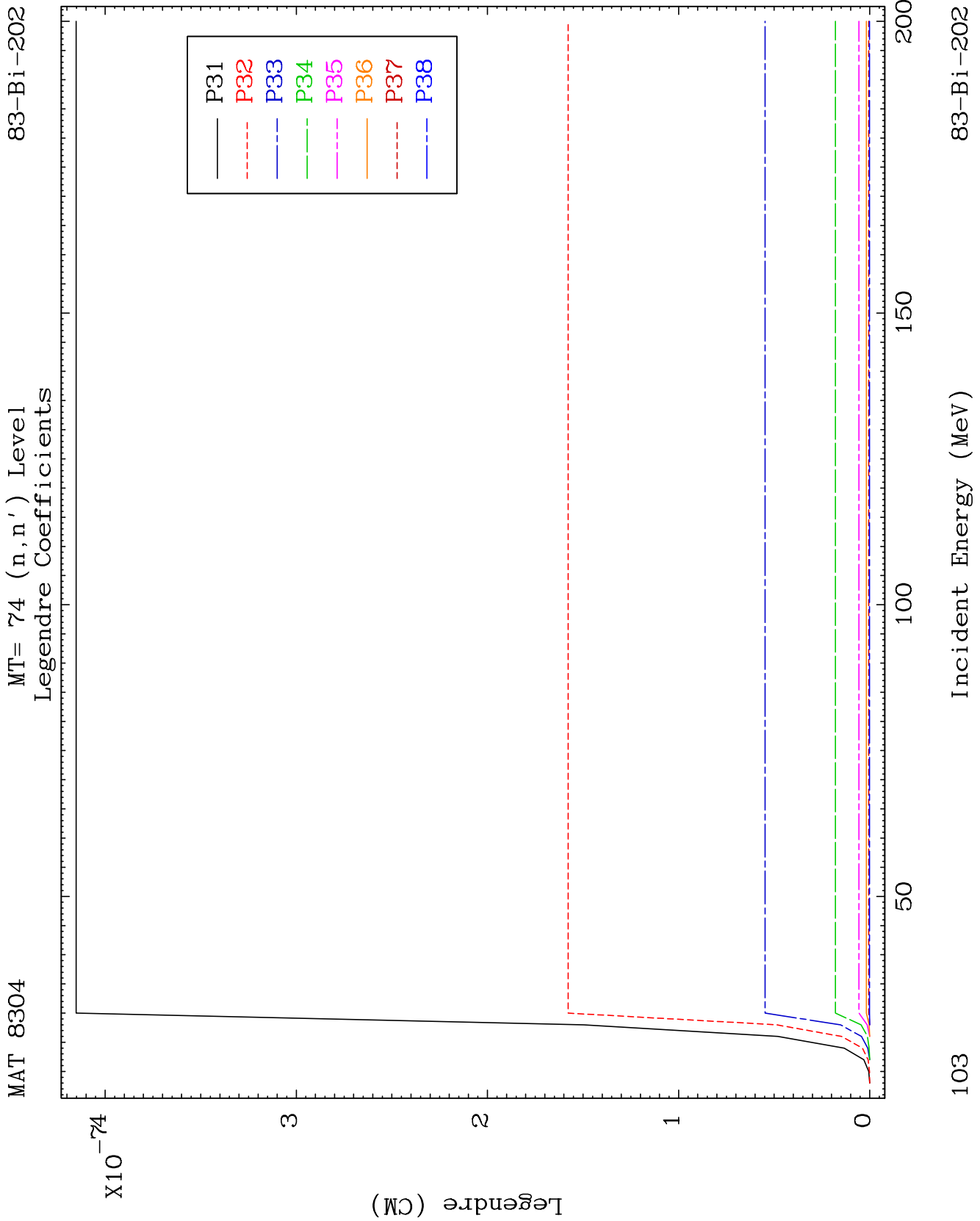
MAT 8304

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

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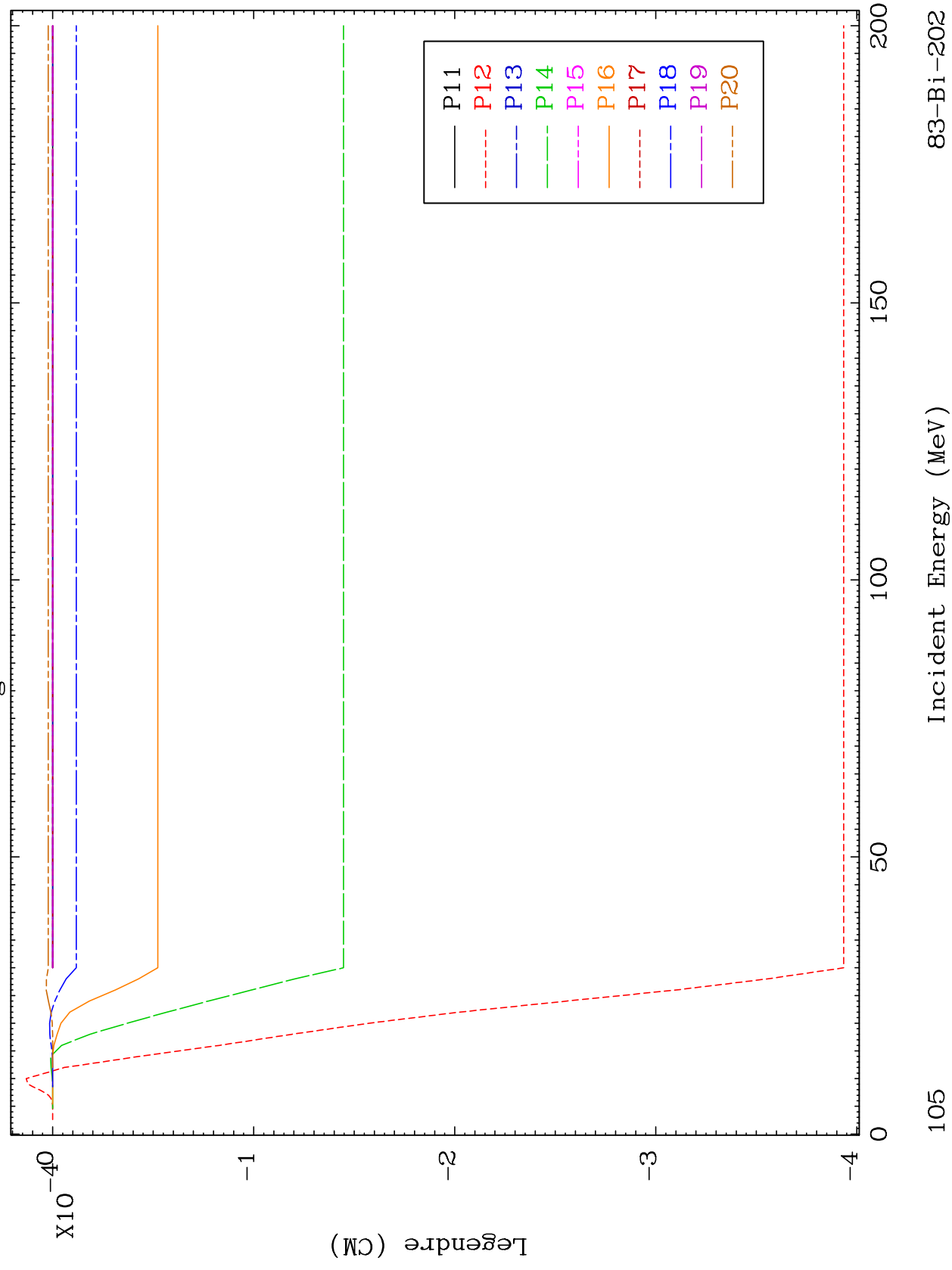


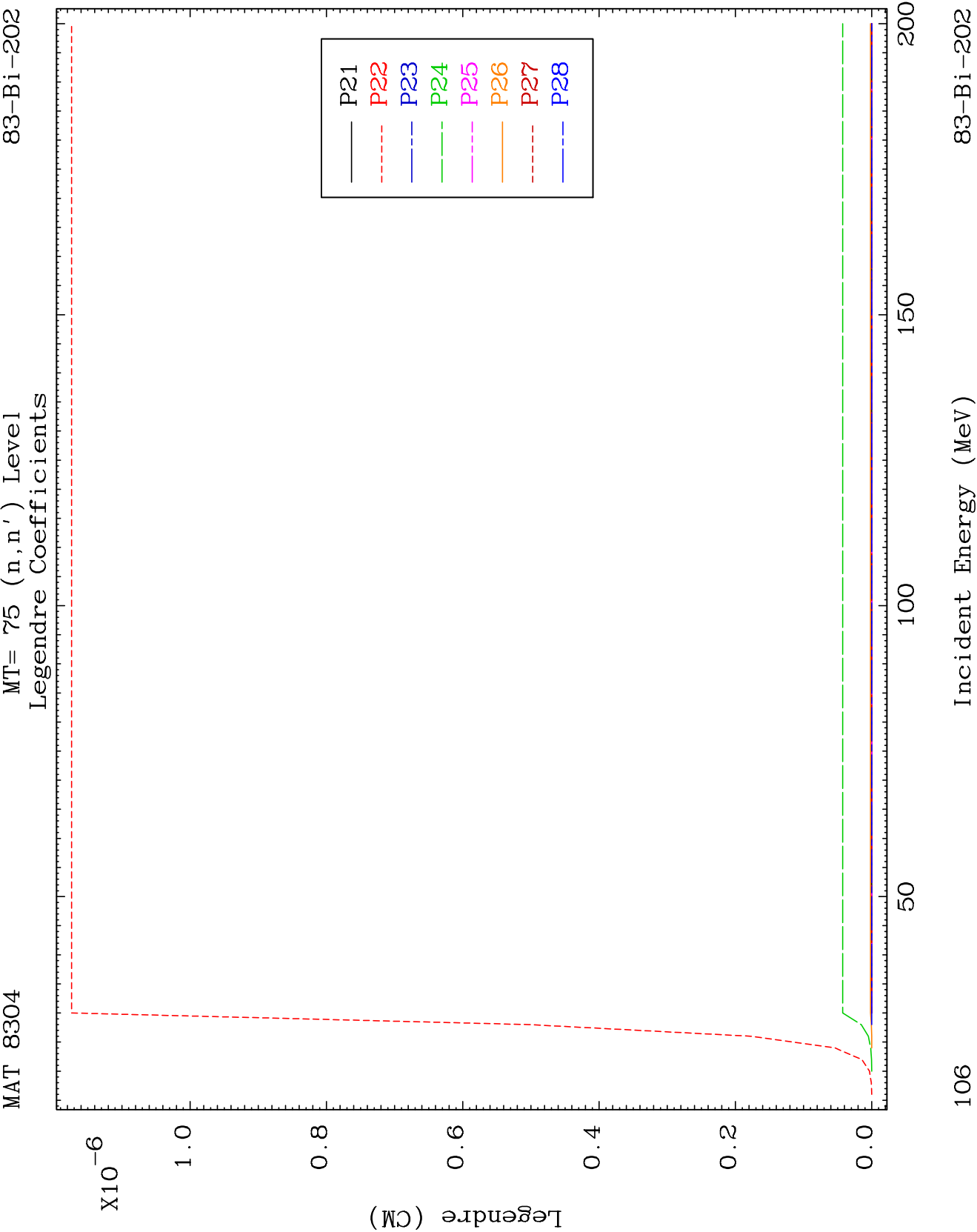


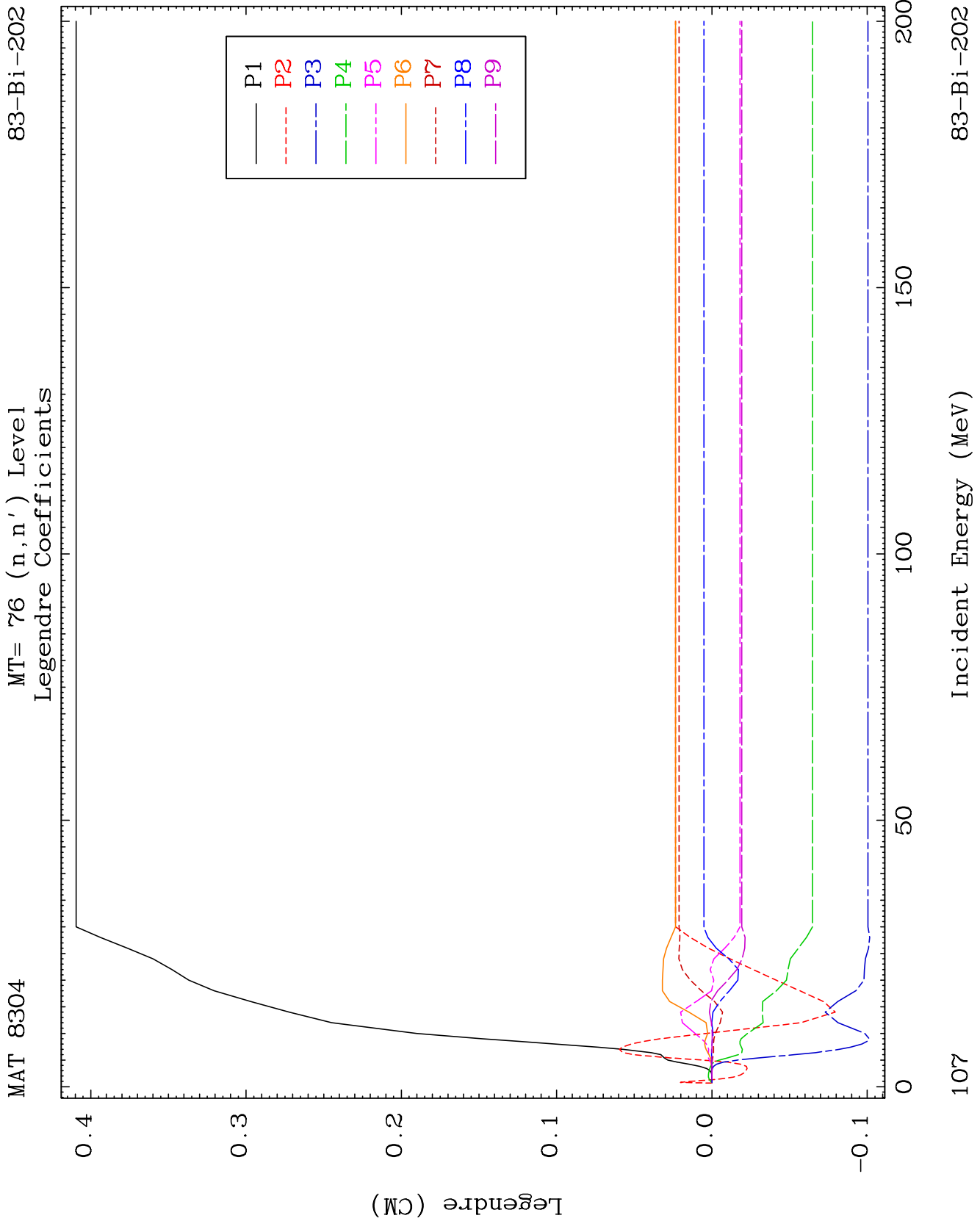
MAT 8304

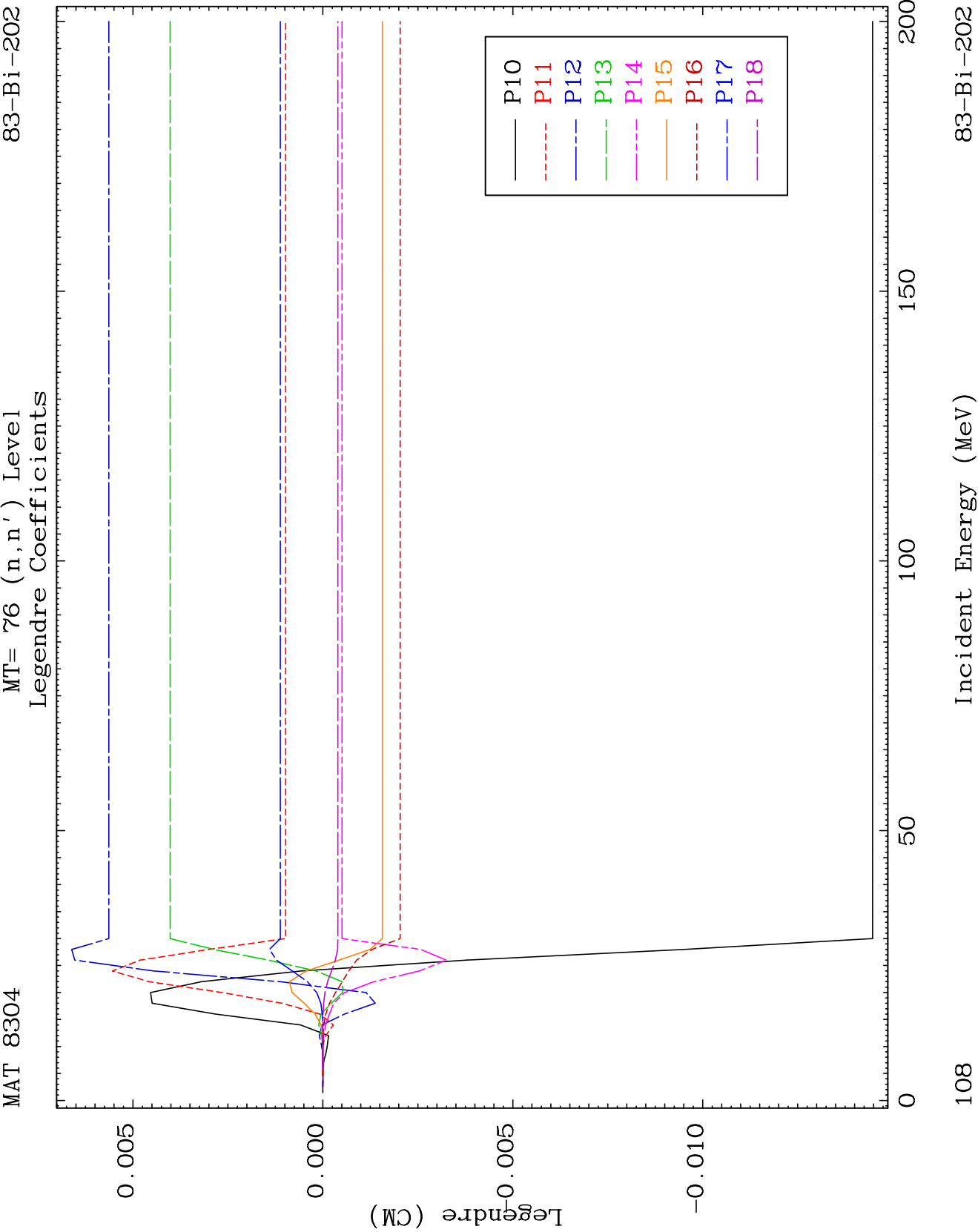
MT= 75 (n, n') Level
Legendre Coefficients

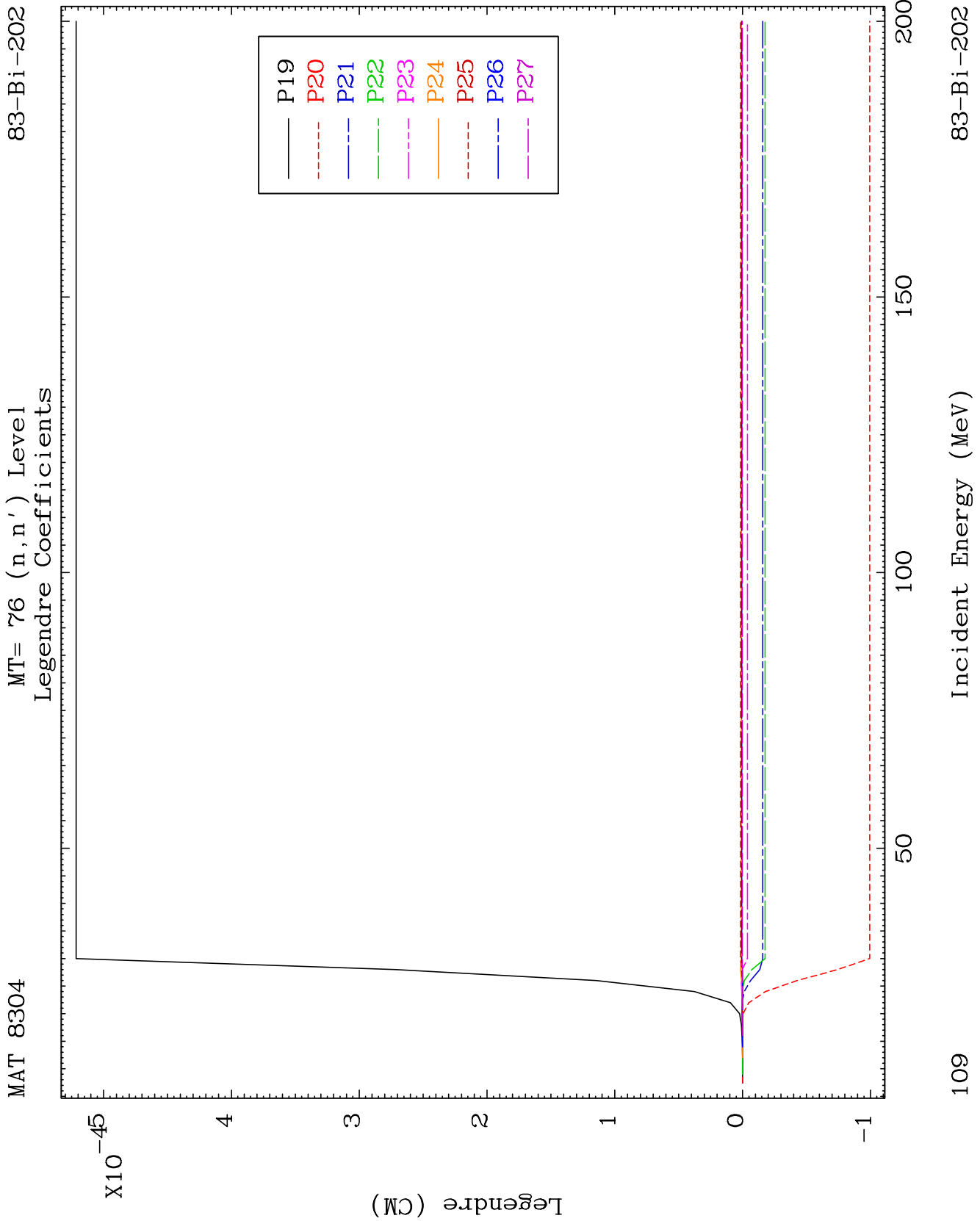
83-Bi-202

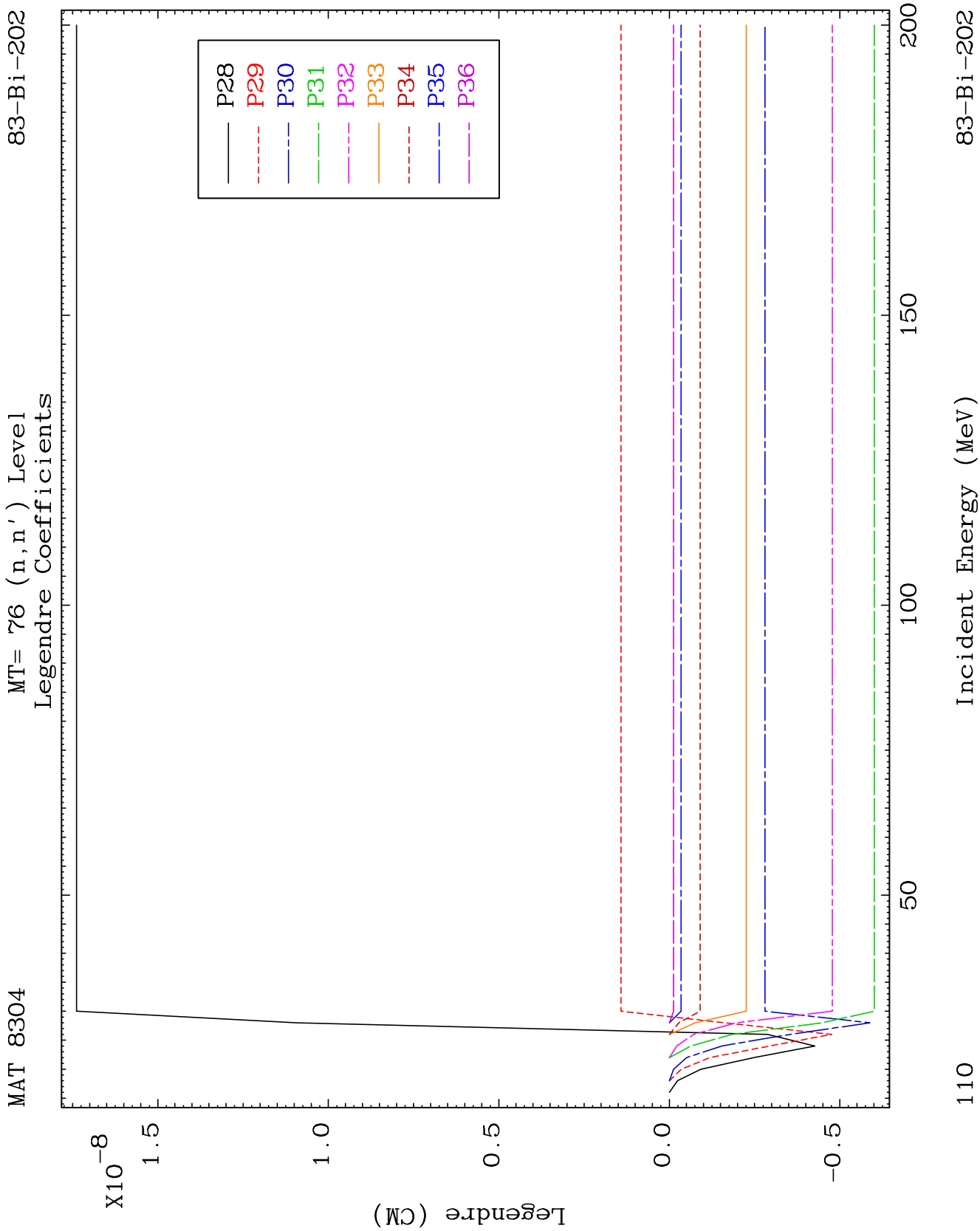


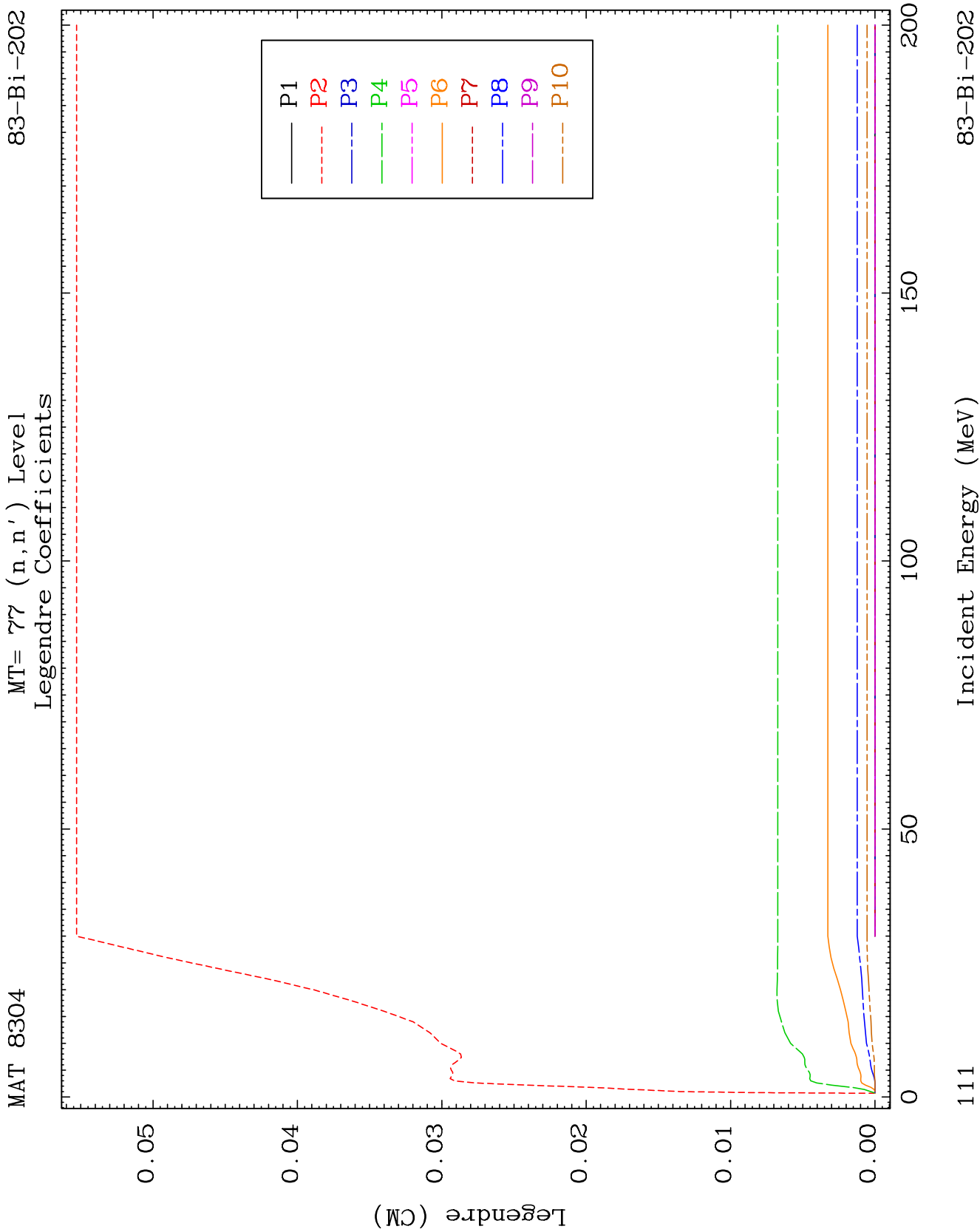


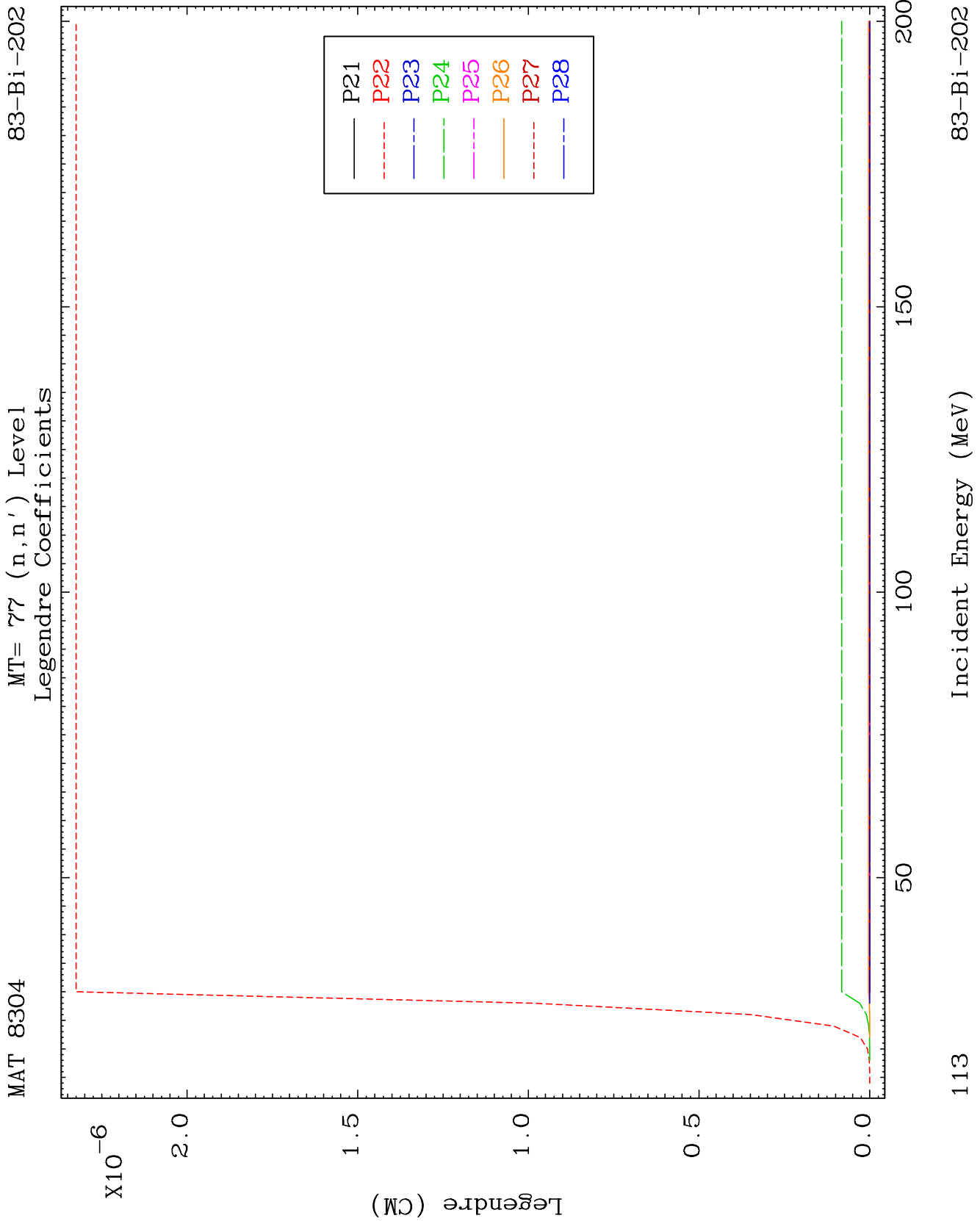


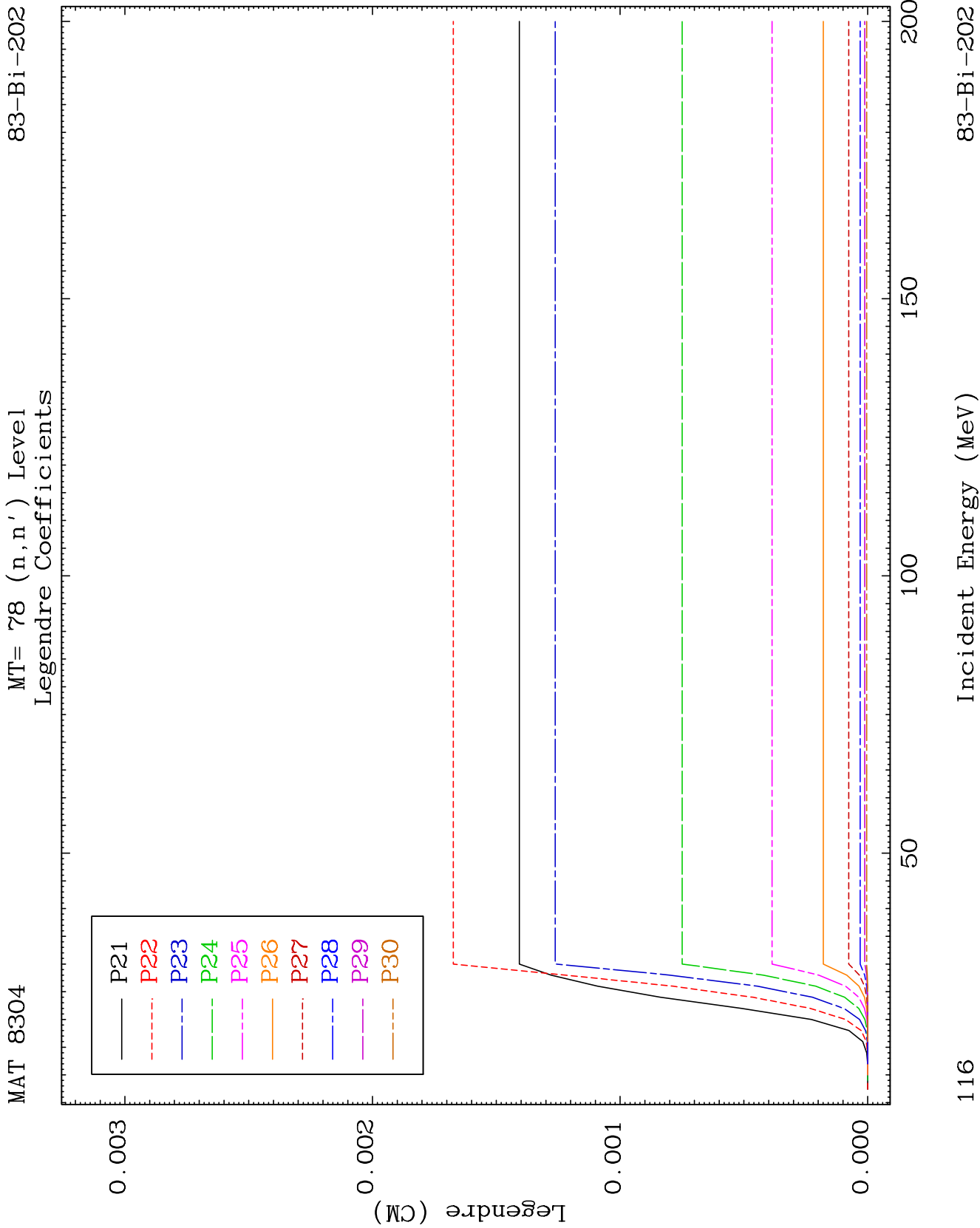








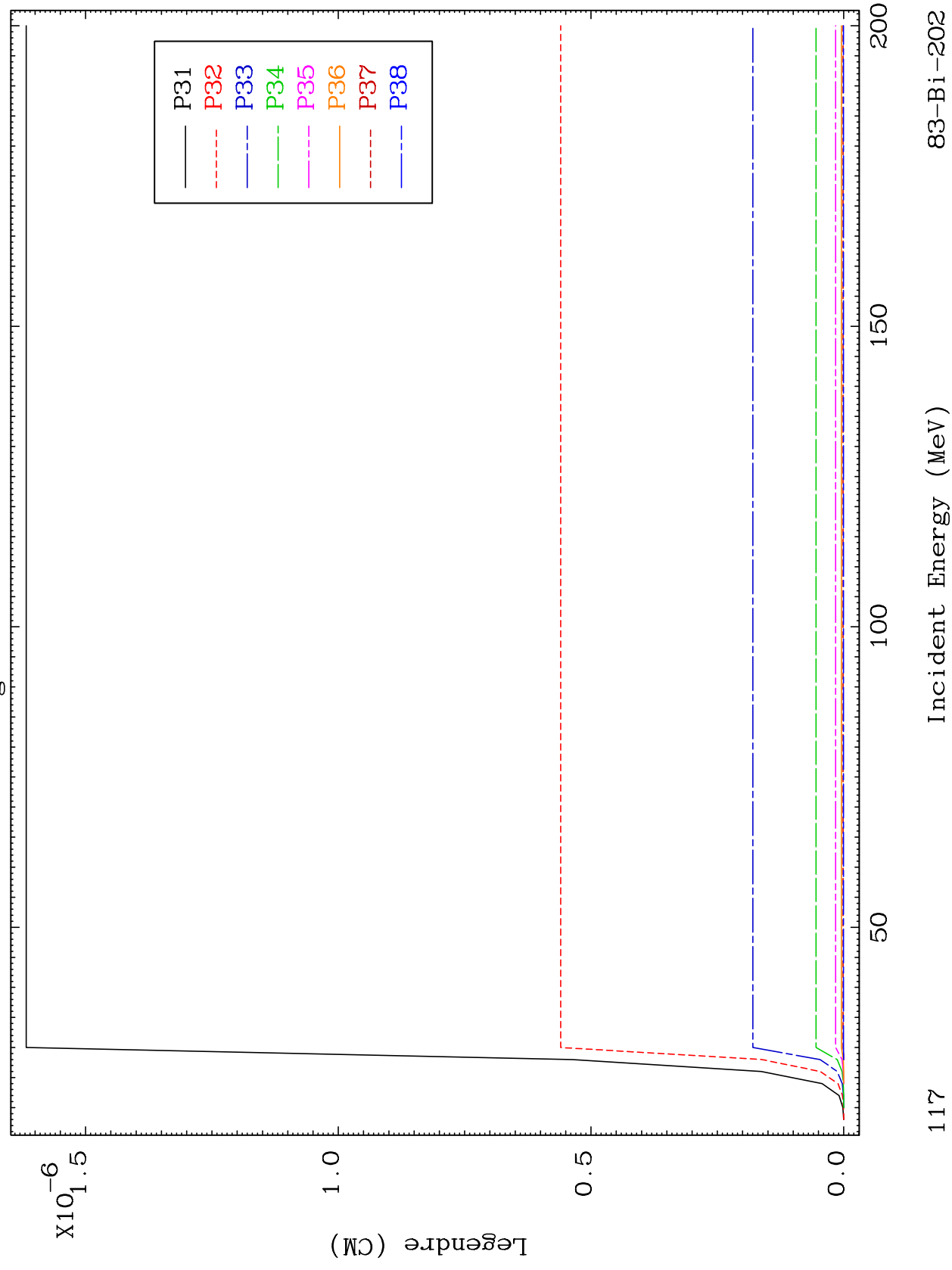


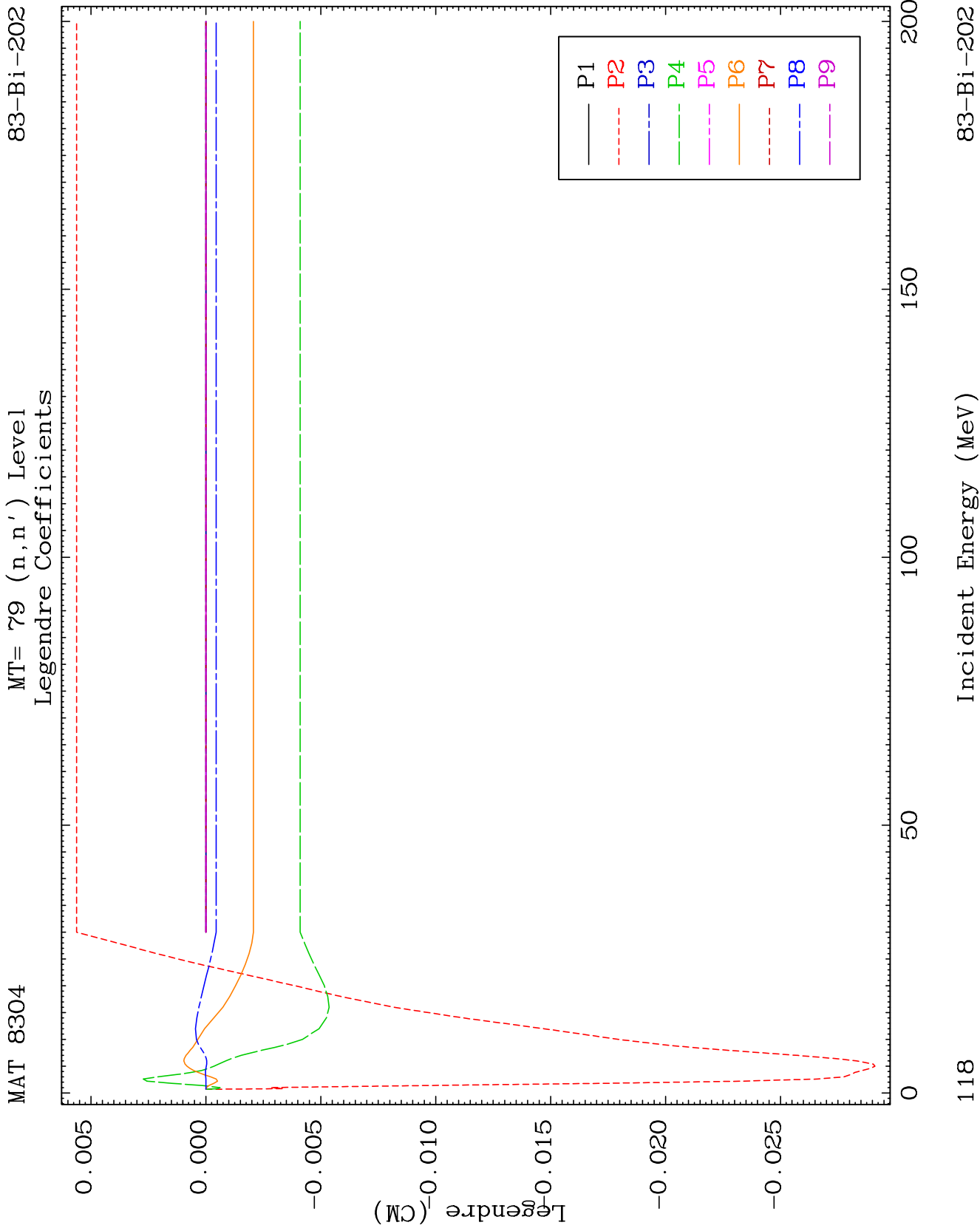


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MT= 78 (n, n') Level
Legendre Coefficients

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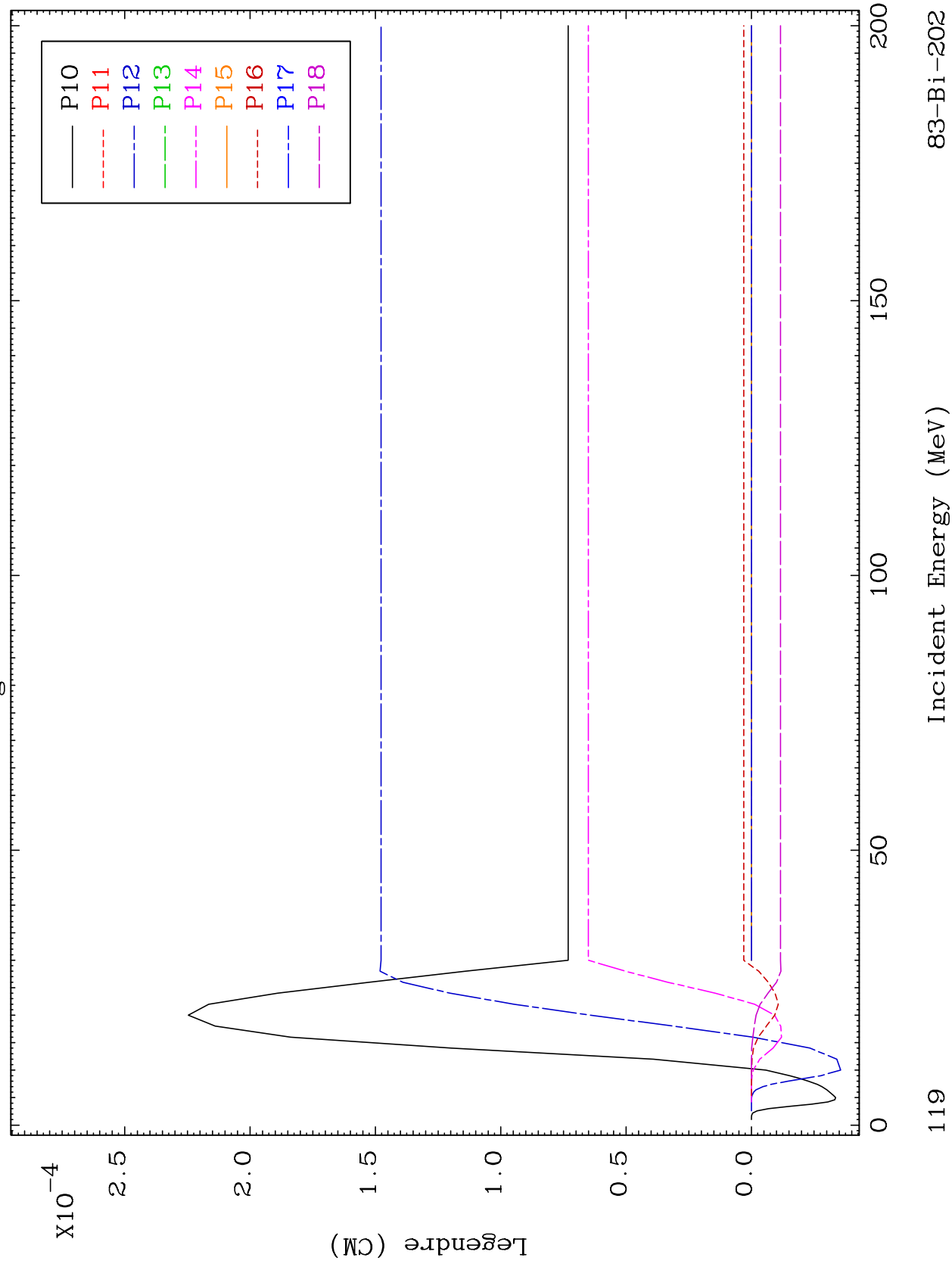


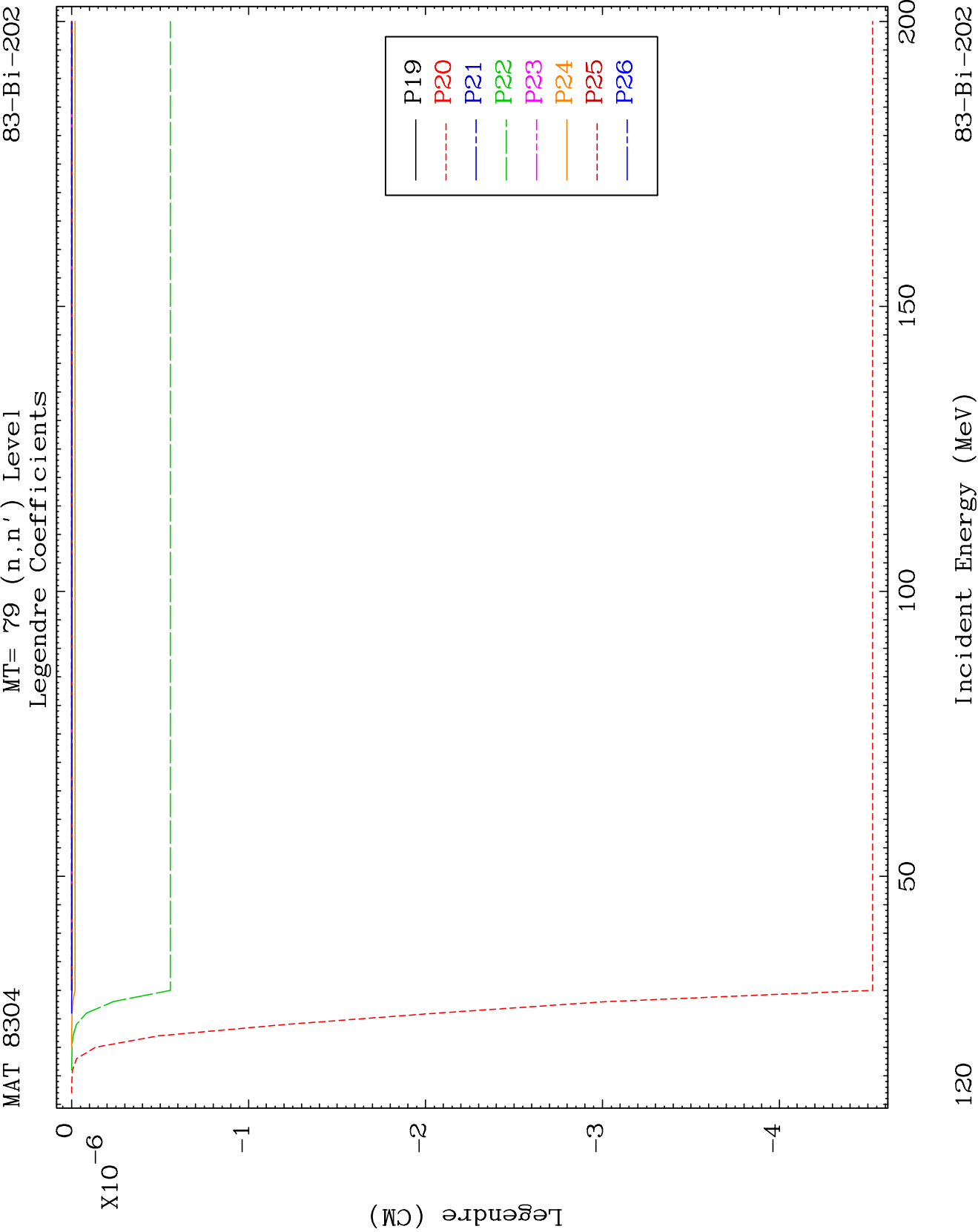


MAT 8304

MT= 79 (n, n') Level
Legendre Coefficients

83-Bi-202

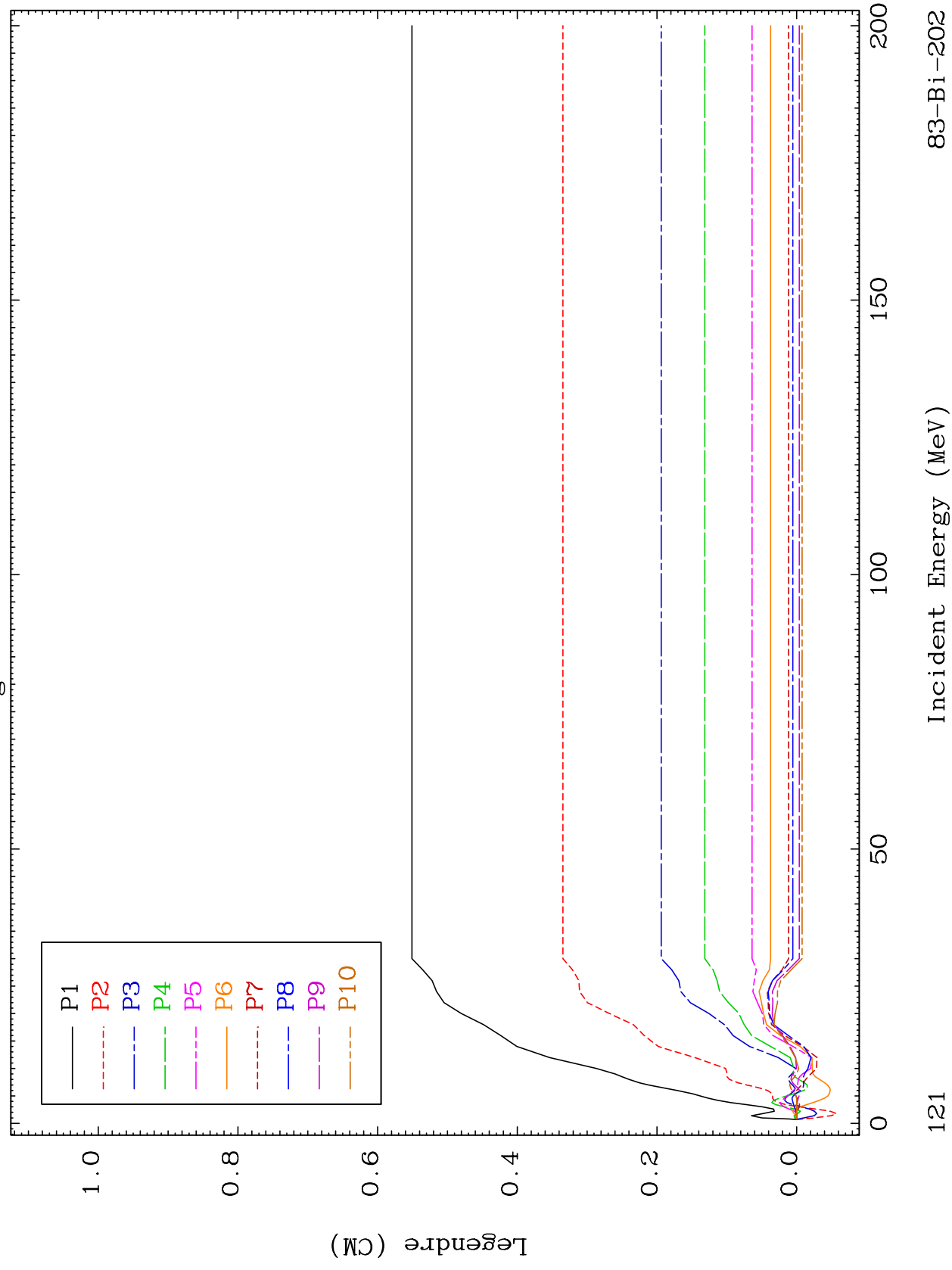


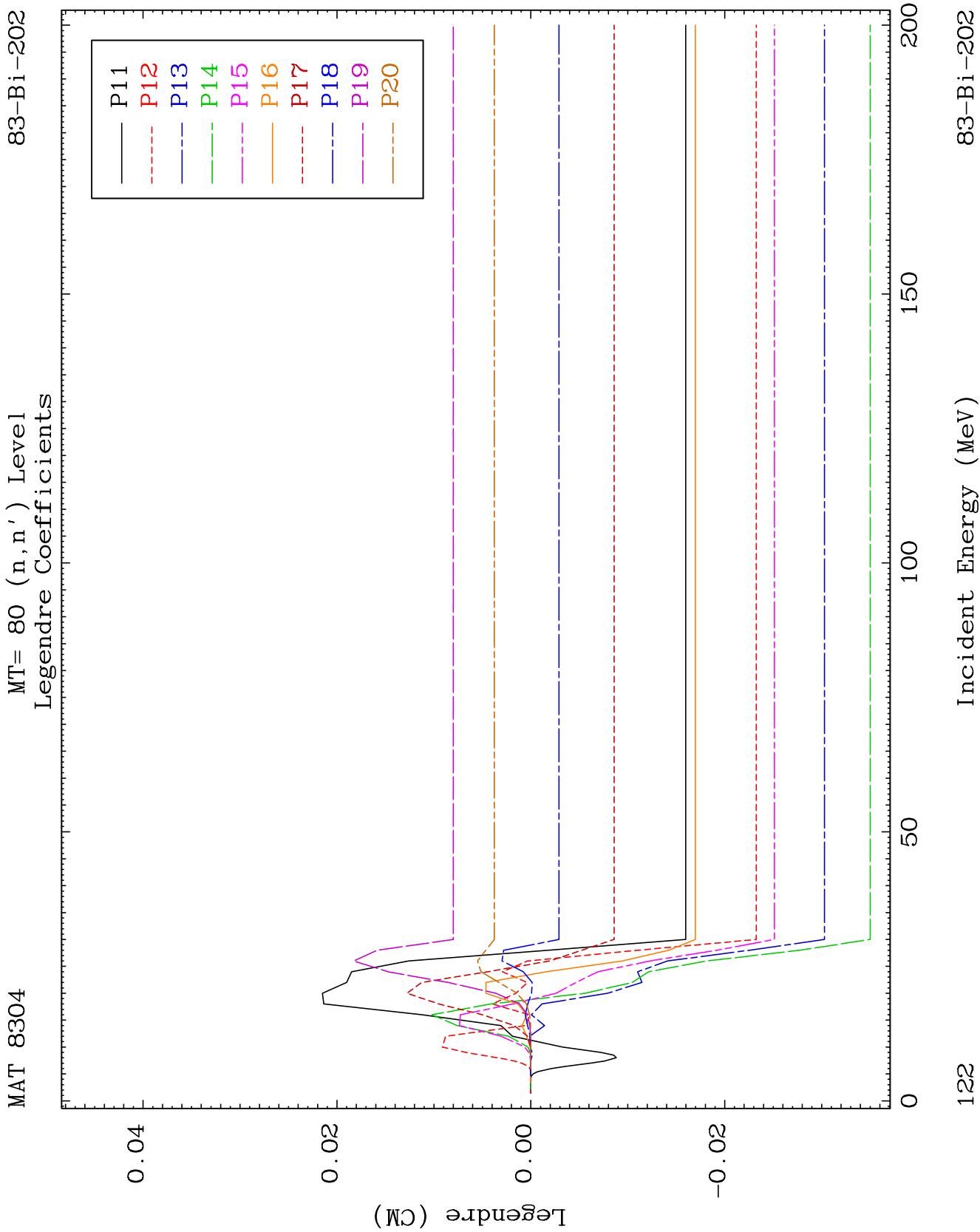


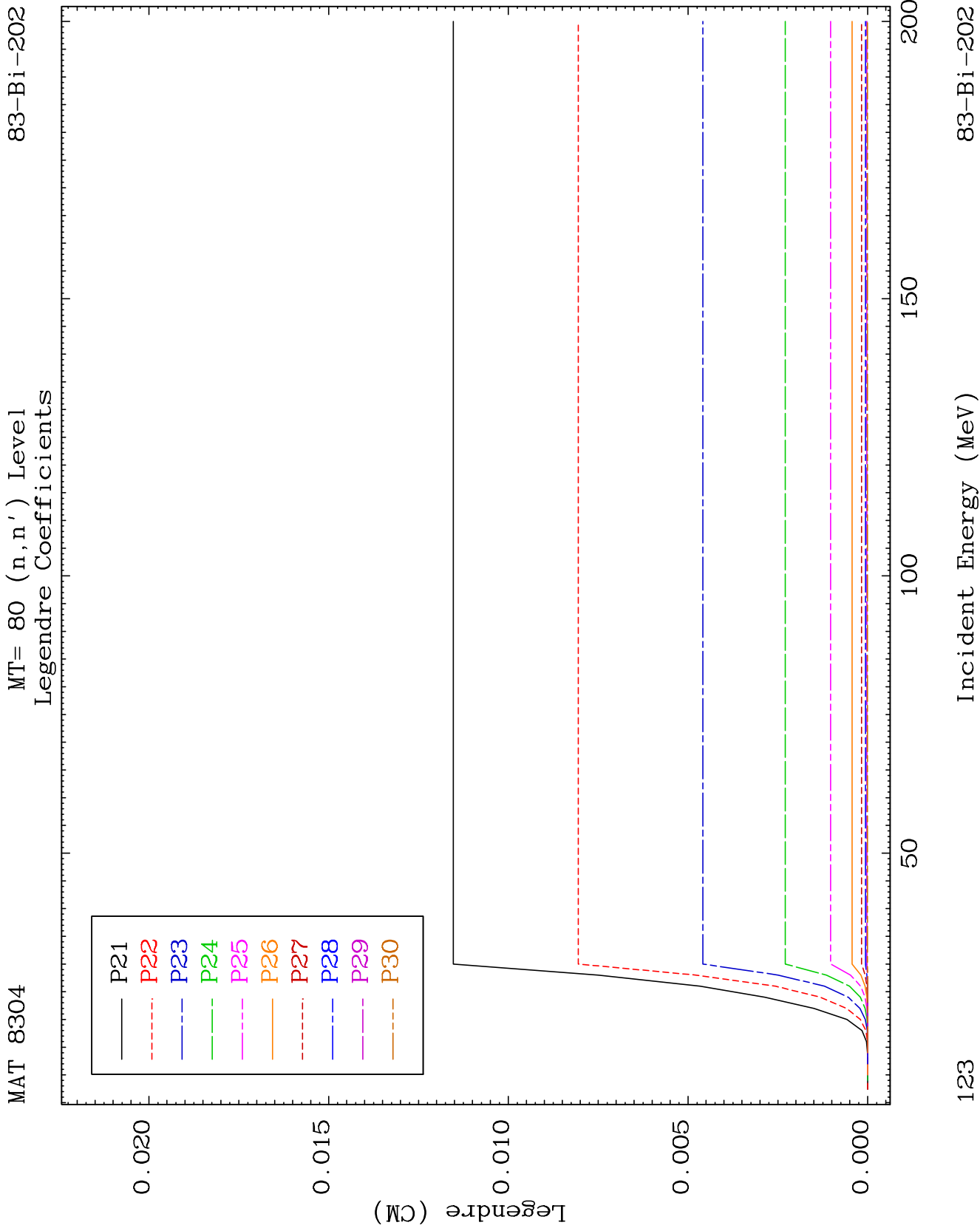
MAT 8304

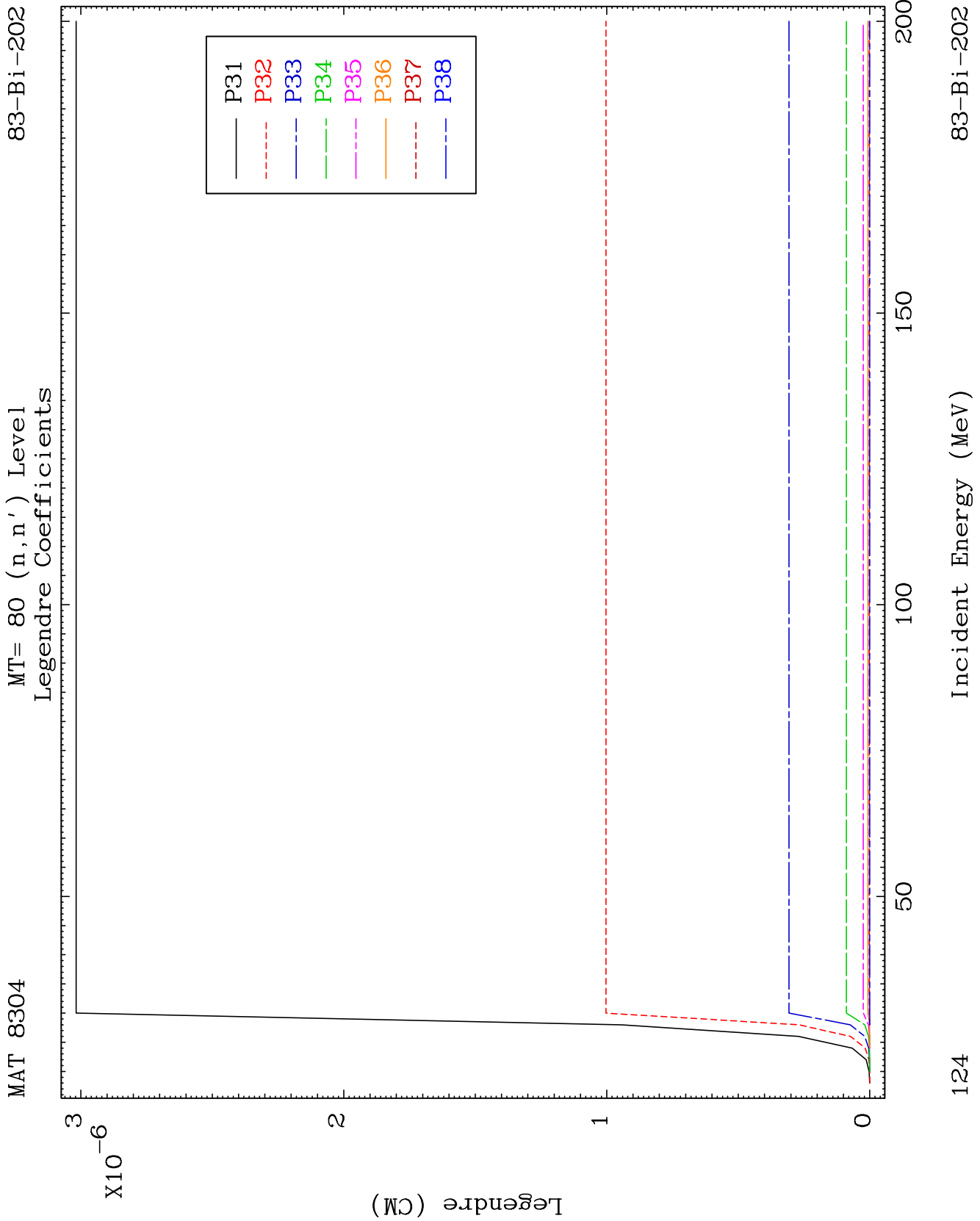
MT= 80 (n, n') Level
Legendre Coefficients

83-Bi-202

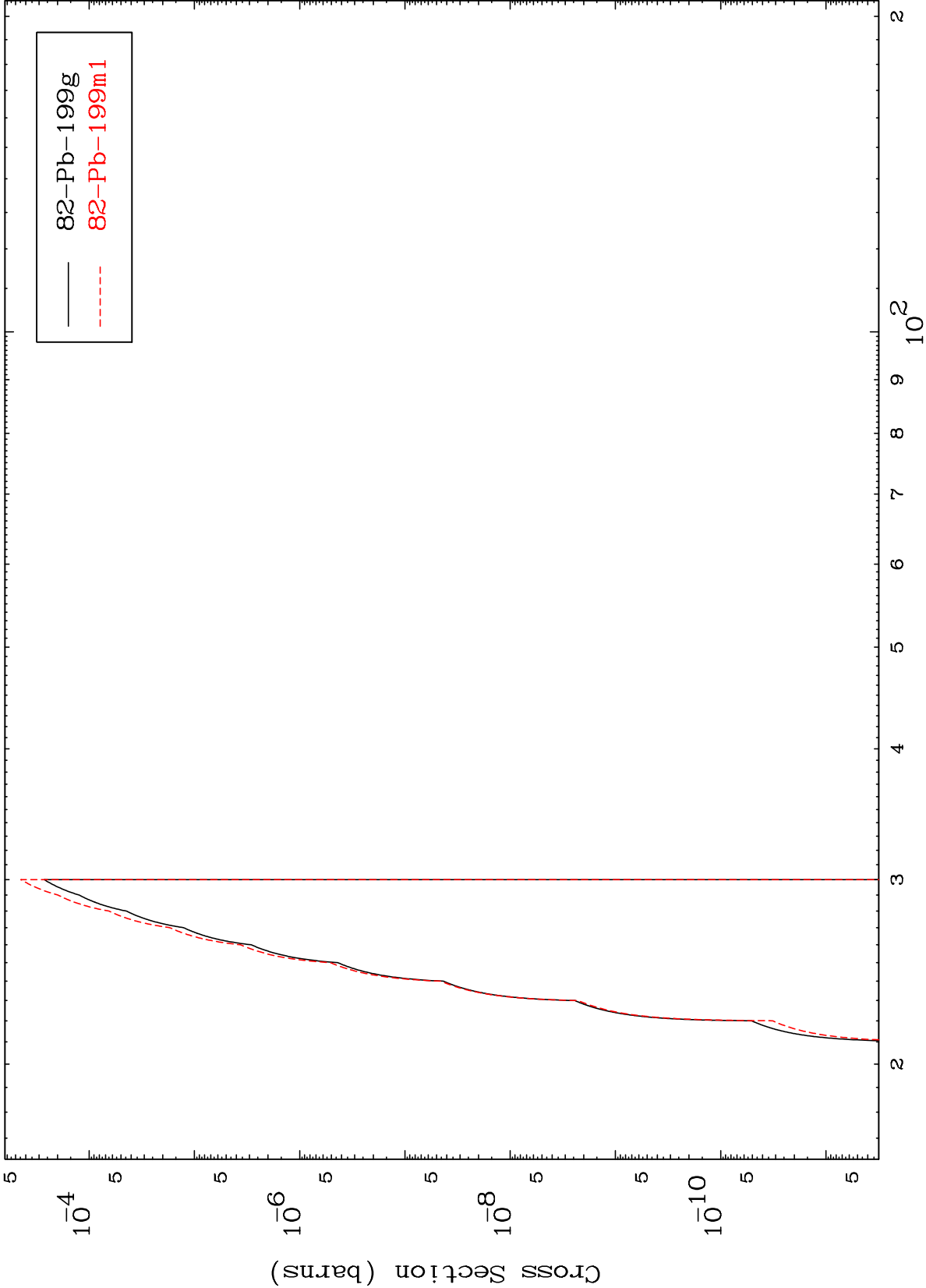




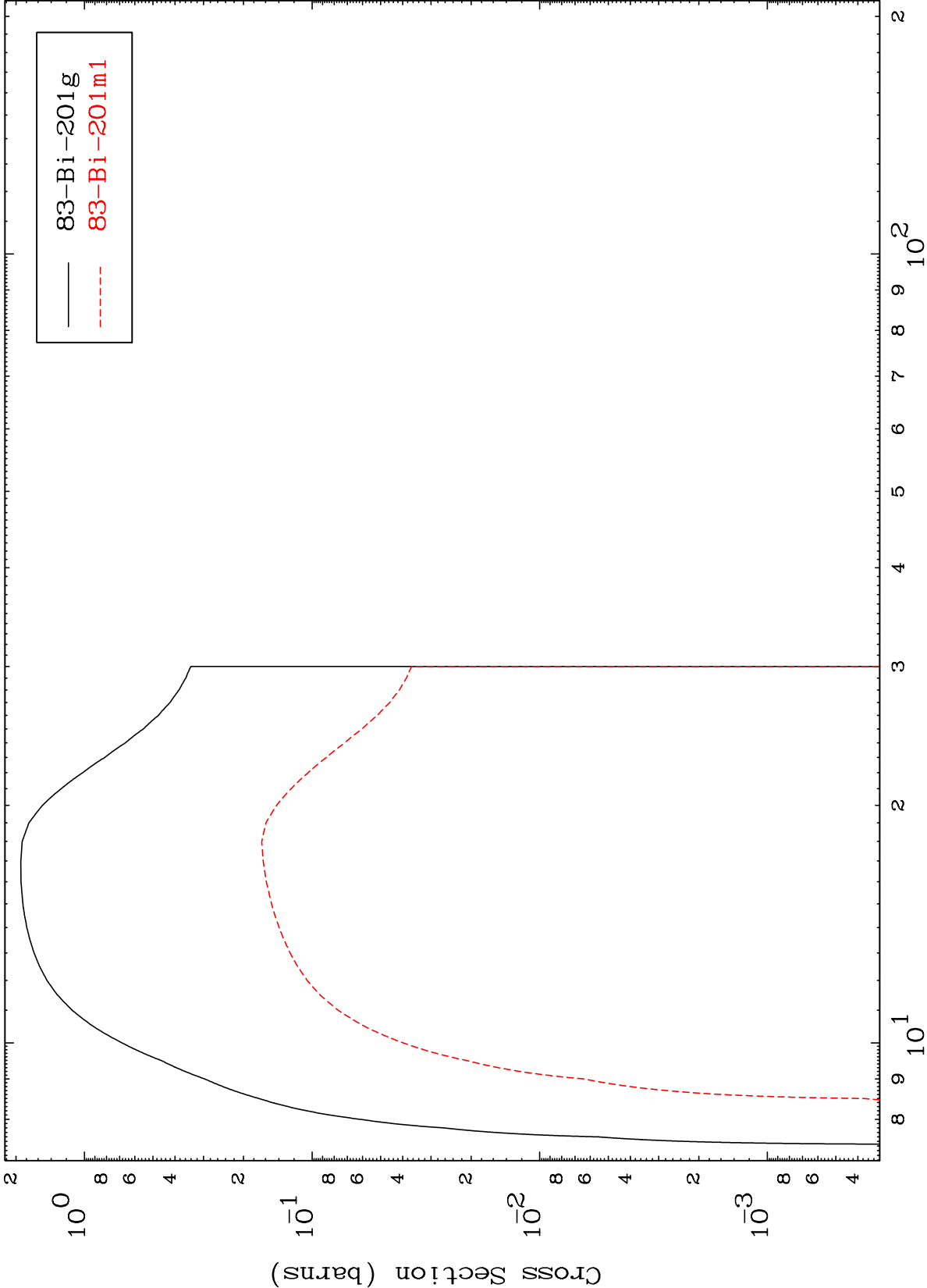




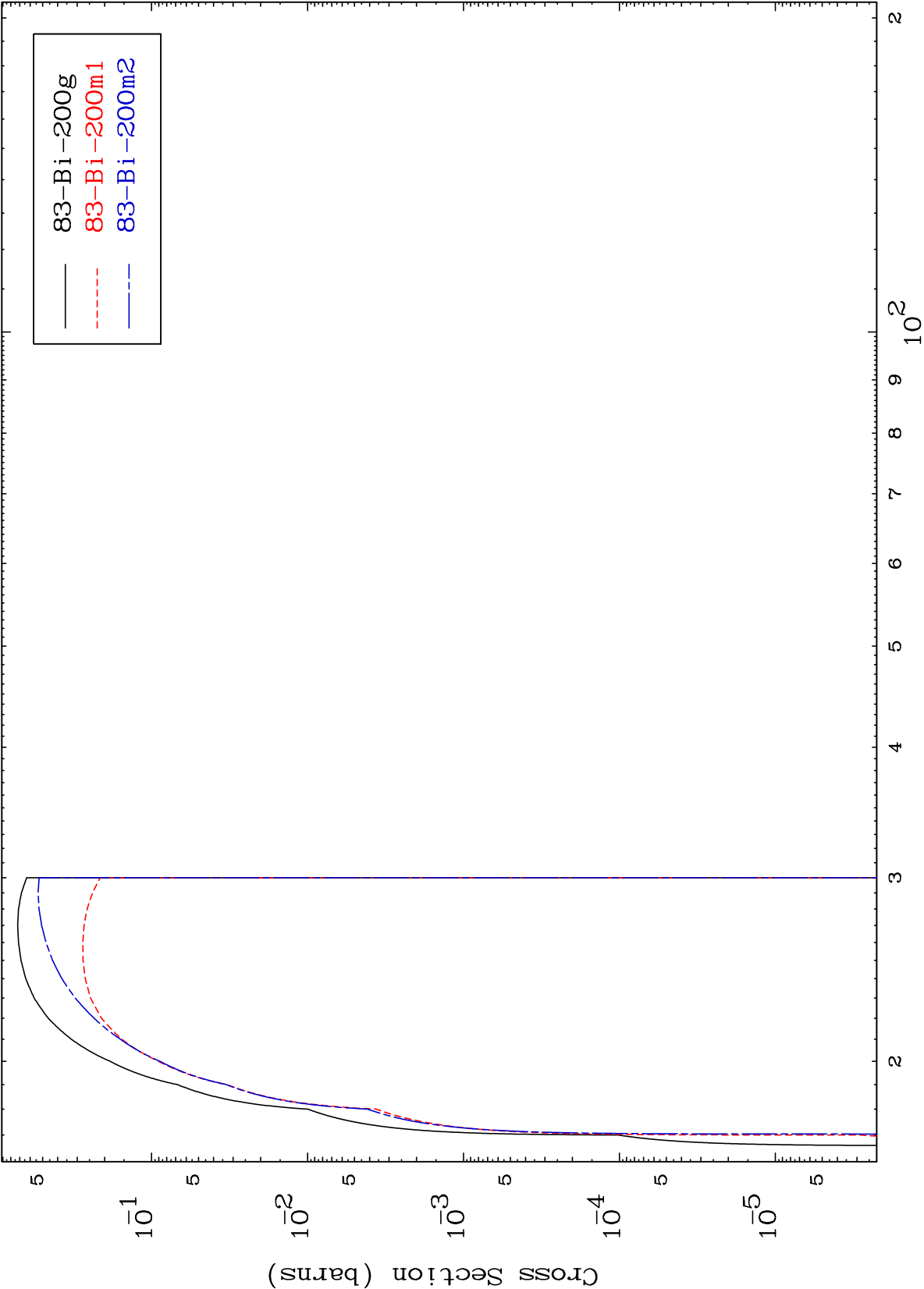
Radionuclide Production Cross Section



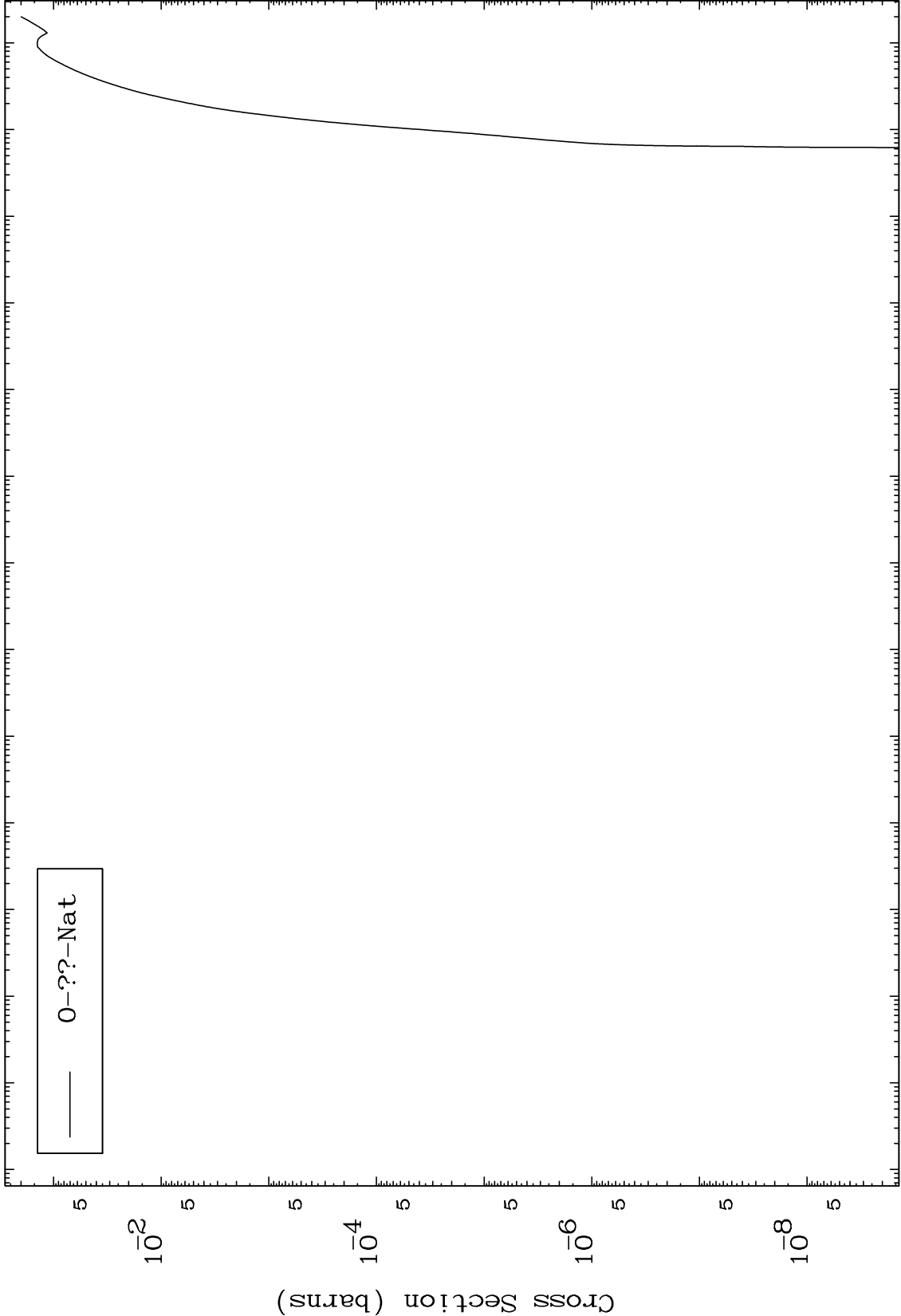
(n,2n)
Radionuclide Production Cross Section



(n,3n)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

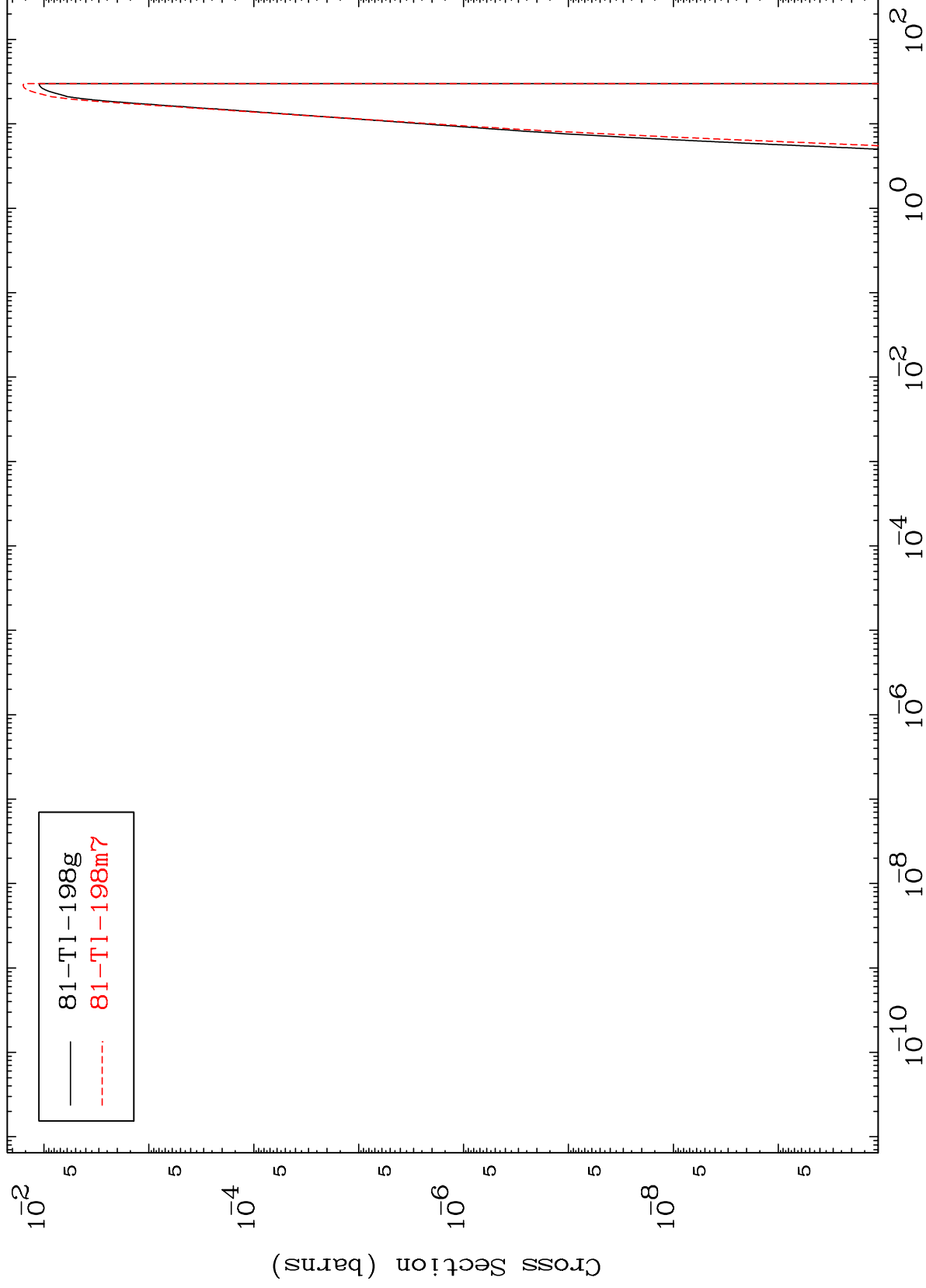


MAT 8304

$(n,n') \alpha$

83-Bi-202

Radionuclide Production Cross Section

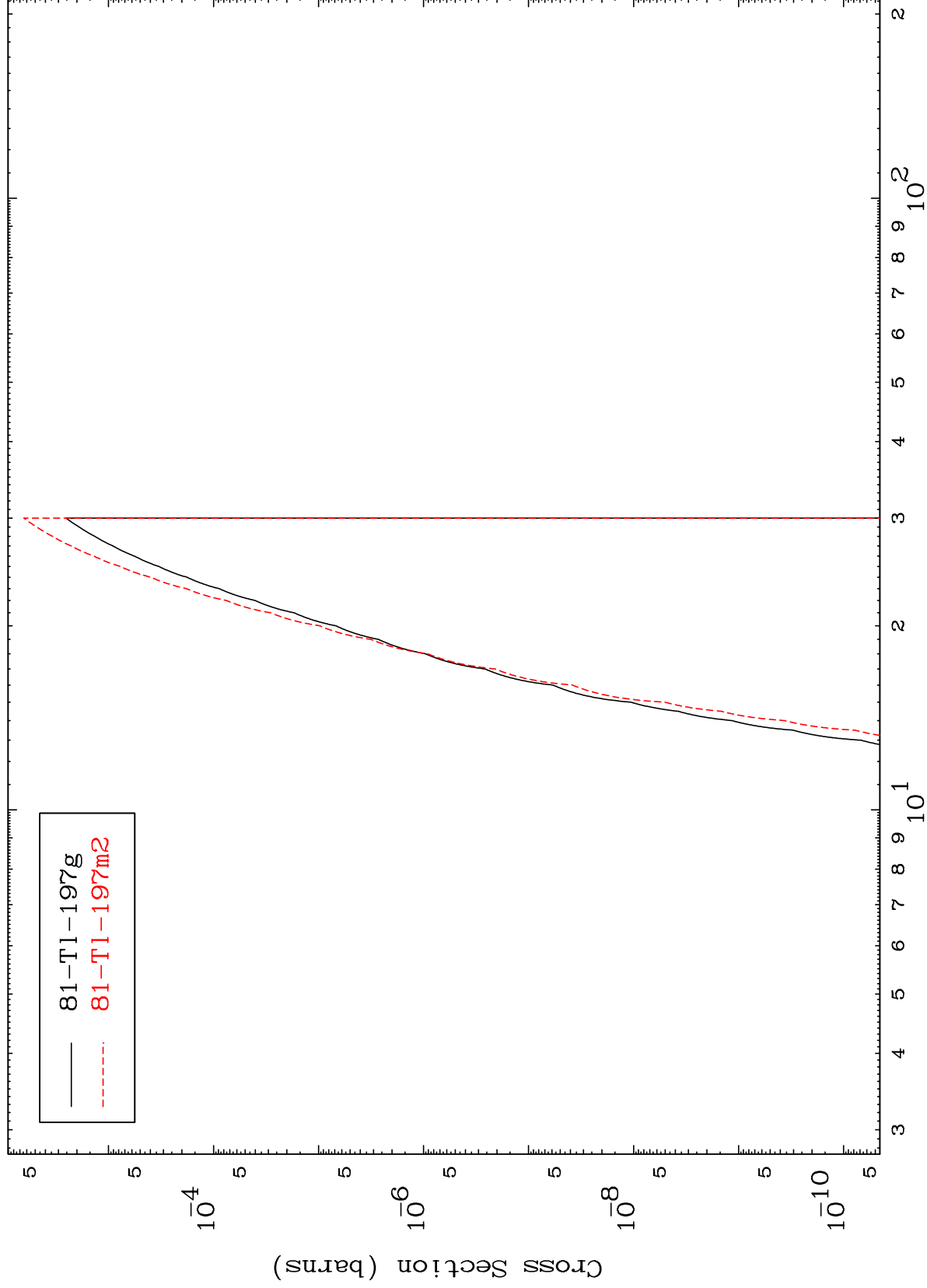


MAT 8304

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(n,2n) α

Radionuclide Production Cross Section



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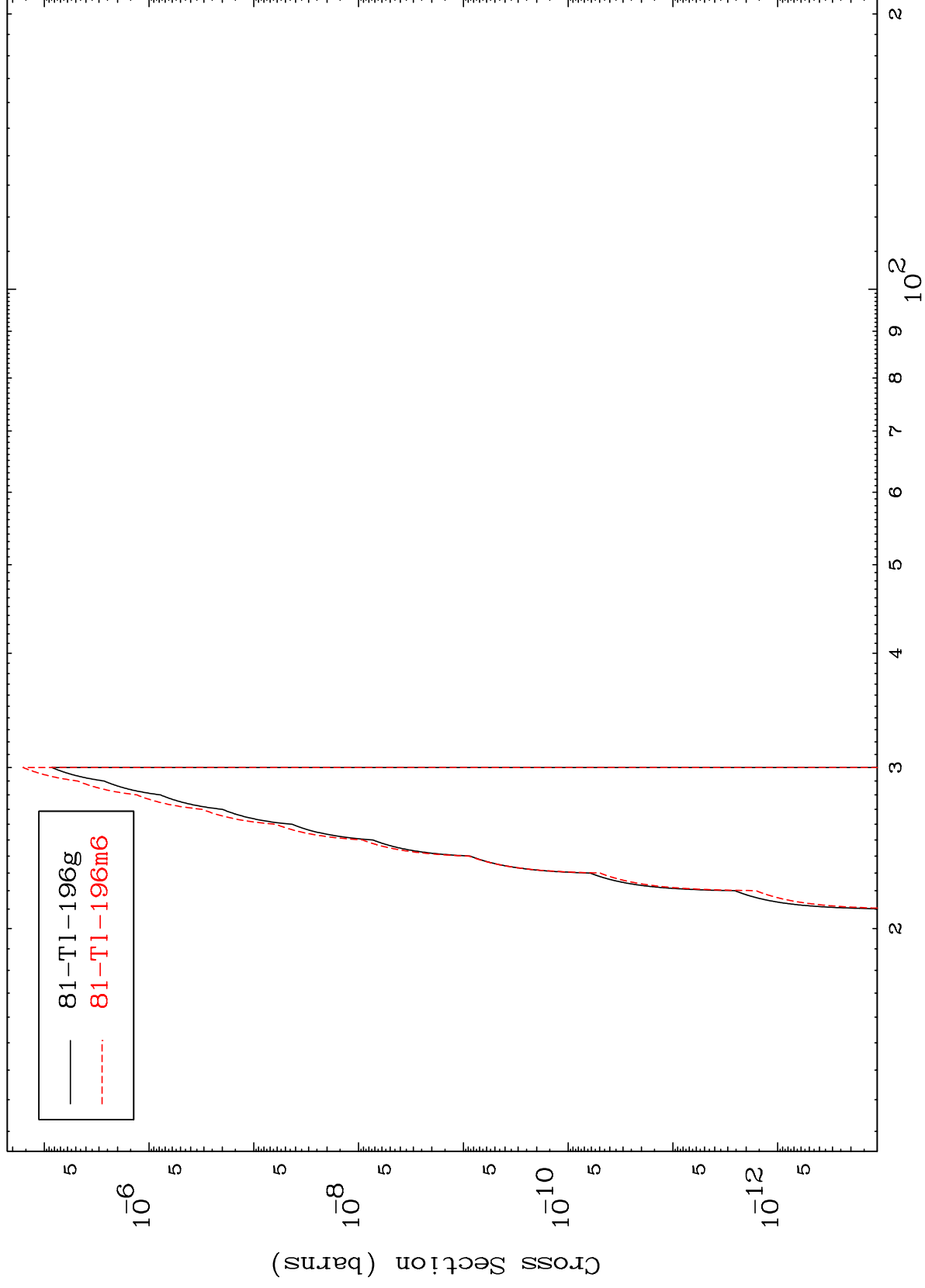
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,3n) α
Radionuclide Production Cross Section



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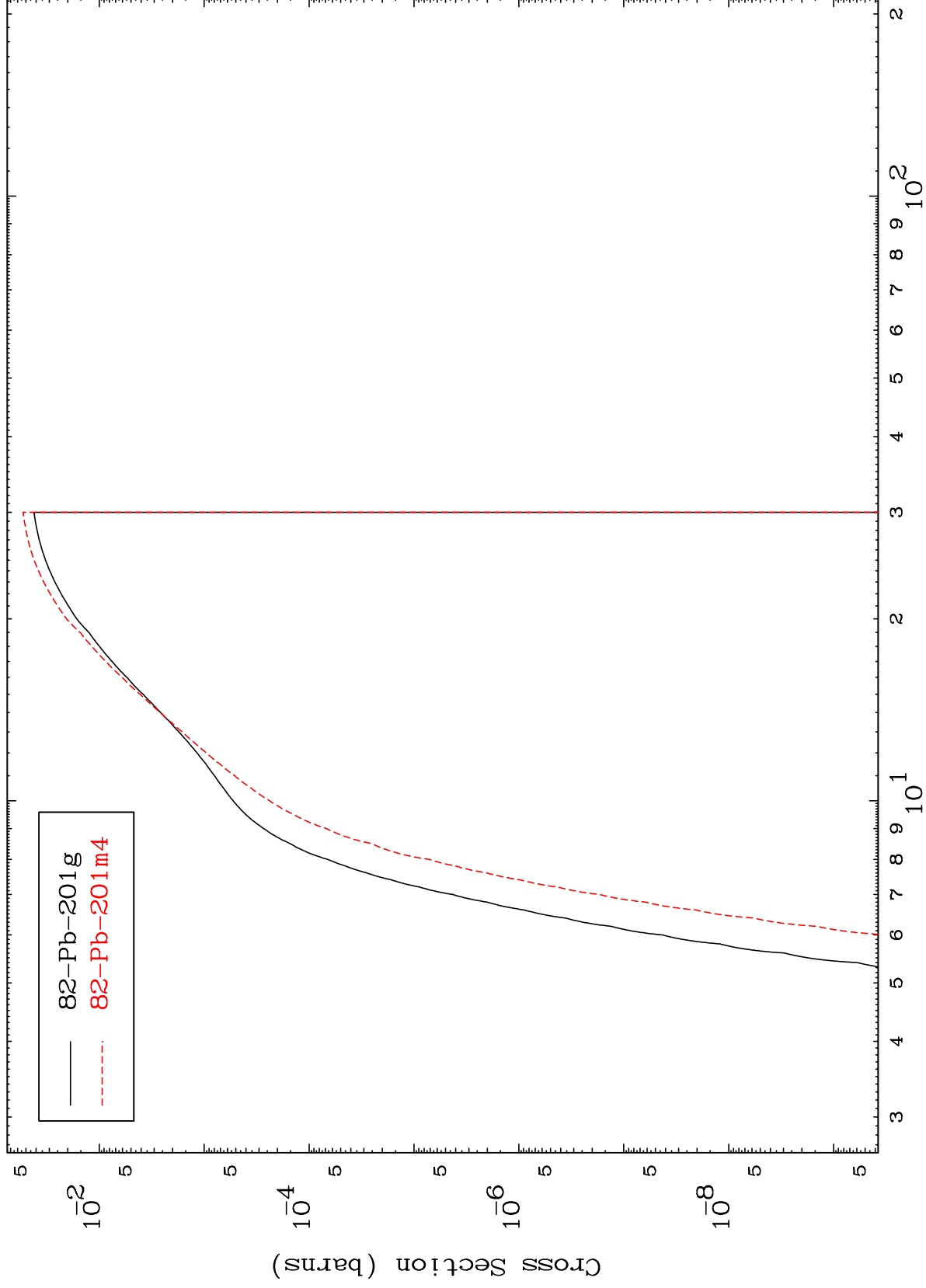
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,n') p
Radionuclide Production Cross Section

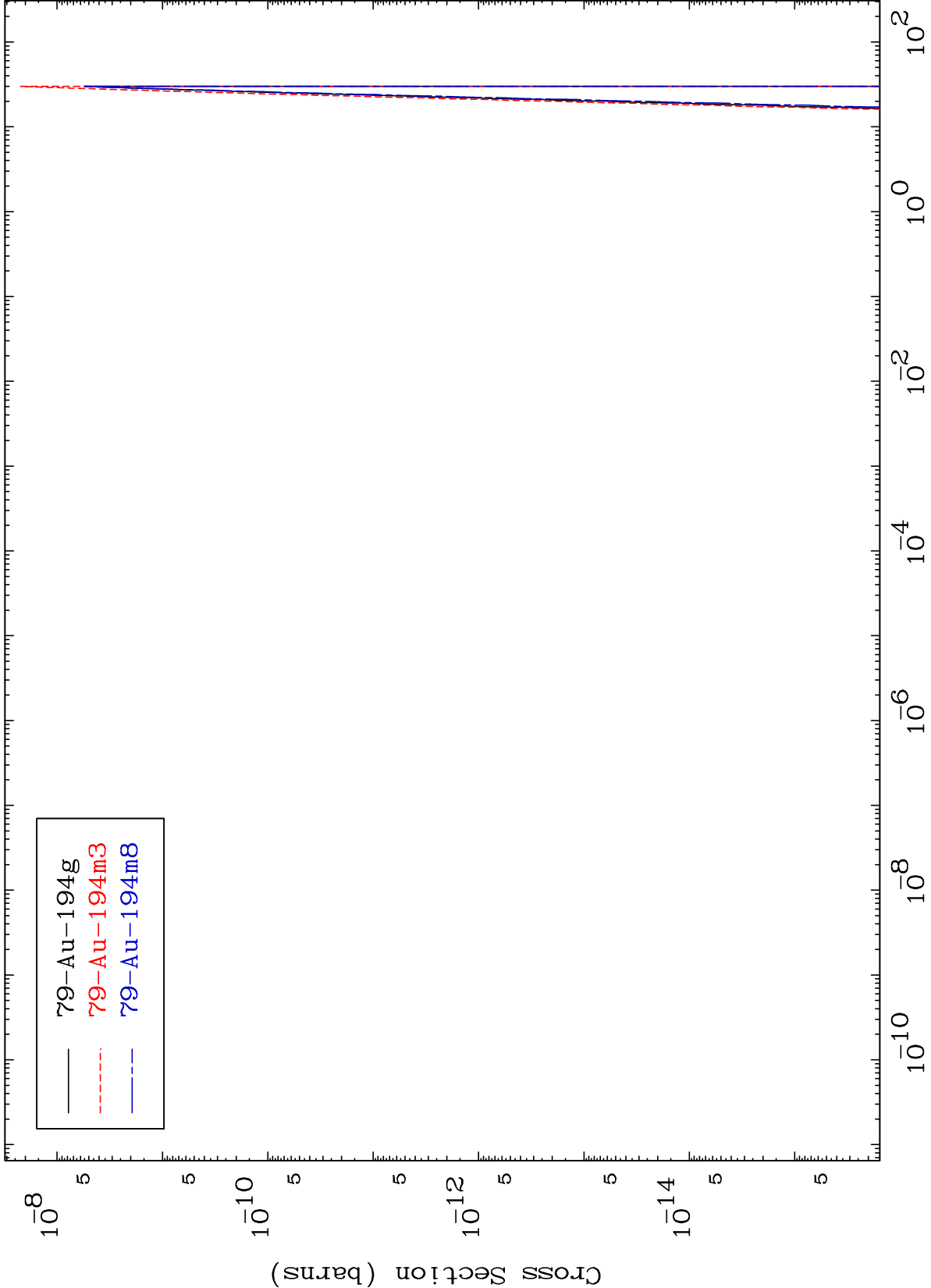


132

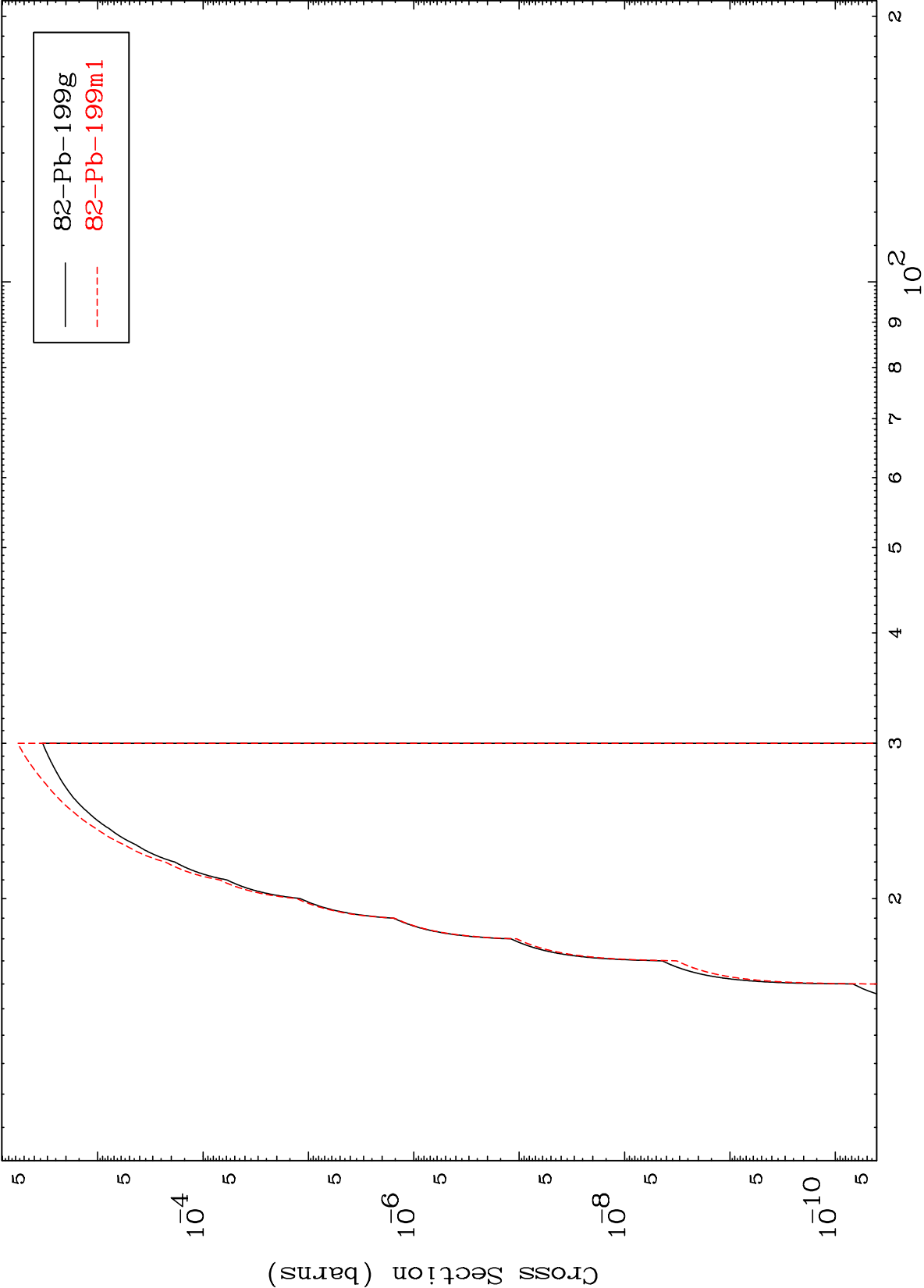
Incident Energy (MeV)

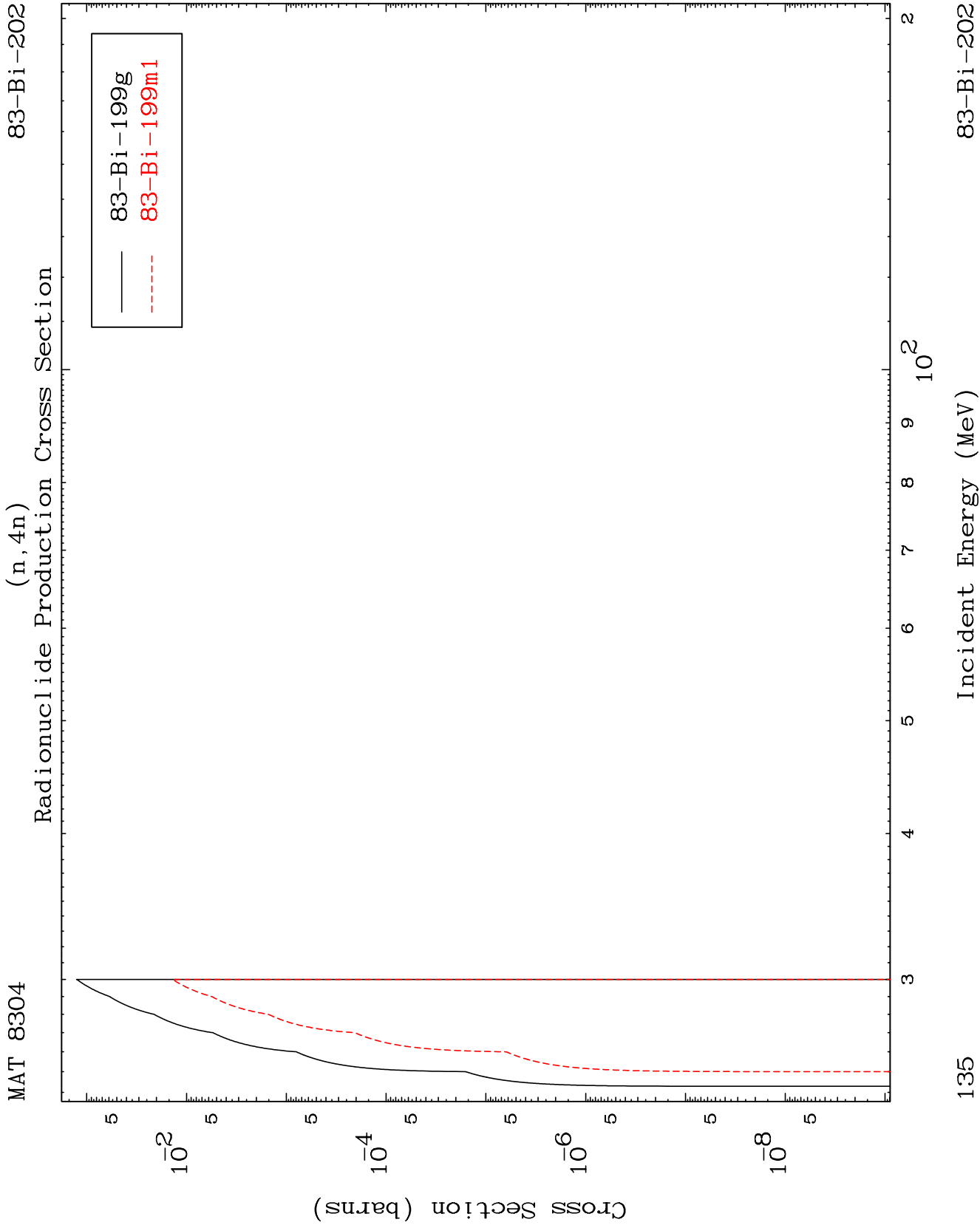
83-Bi-202

Radionuclide Production Cross Section

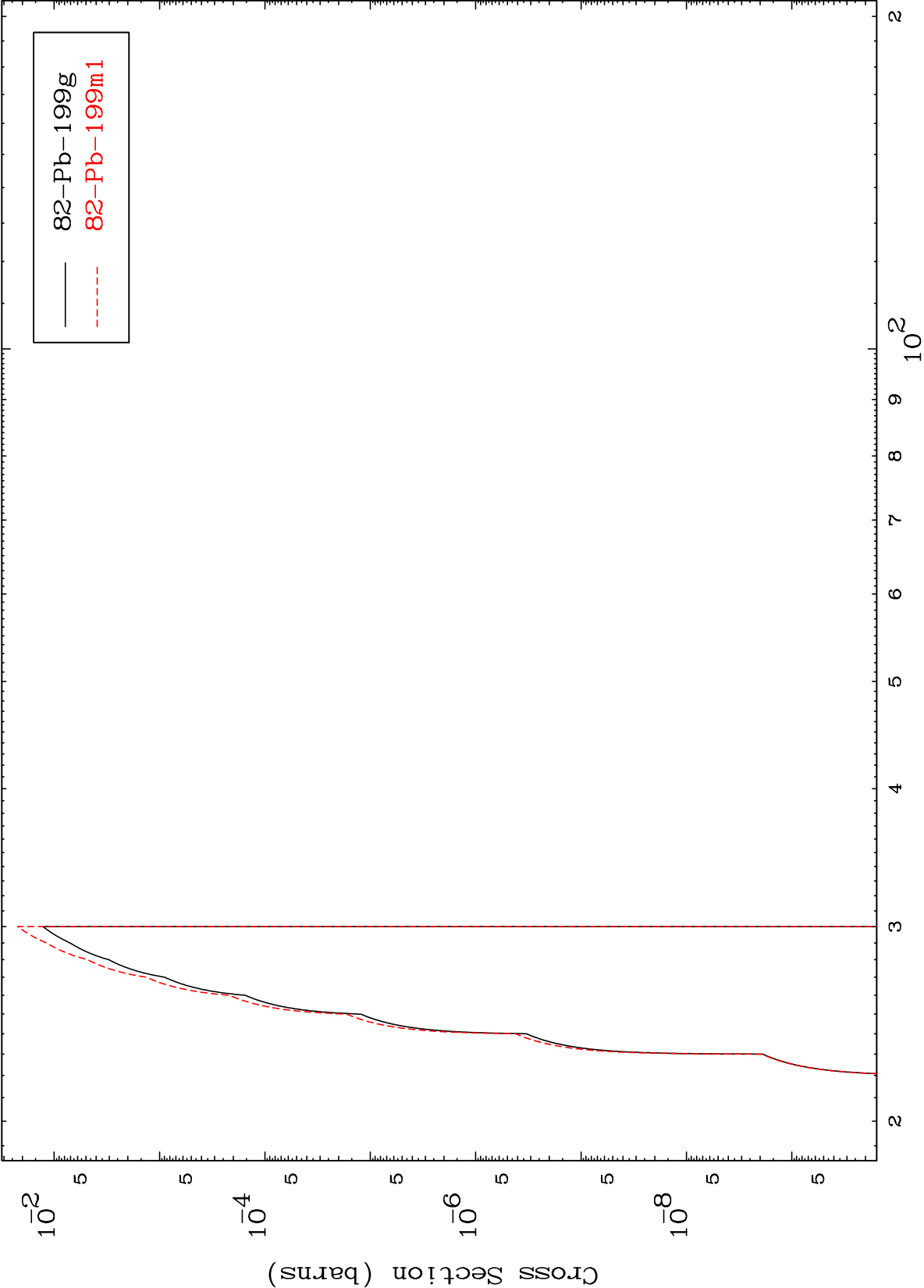


Radionuclide Production Cross Section





Radionuclide Production Cross Section

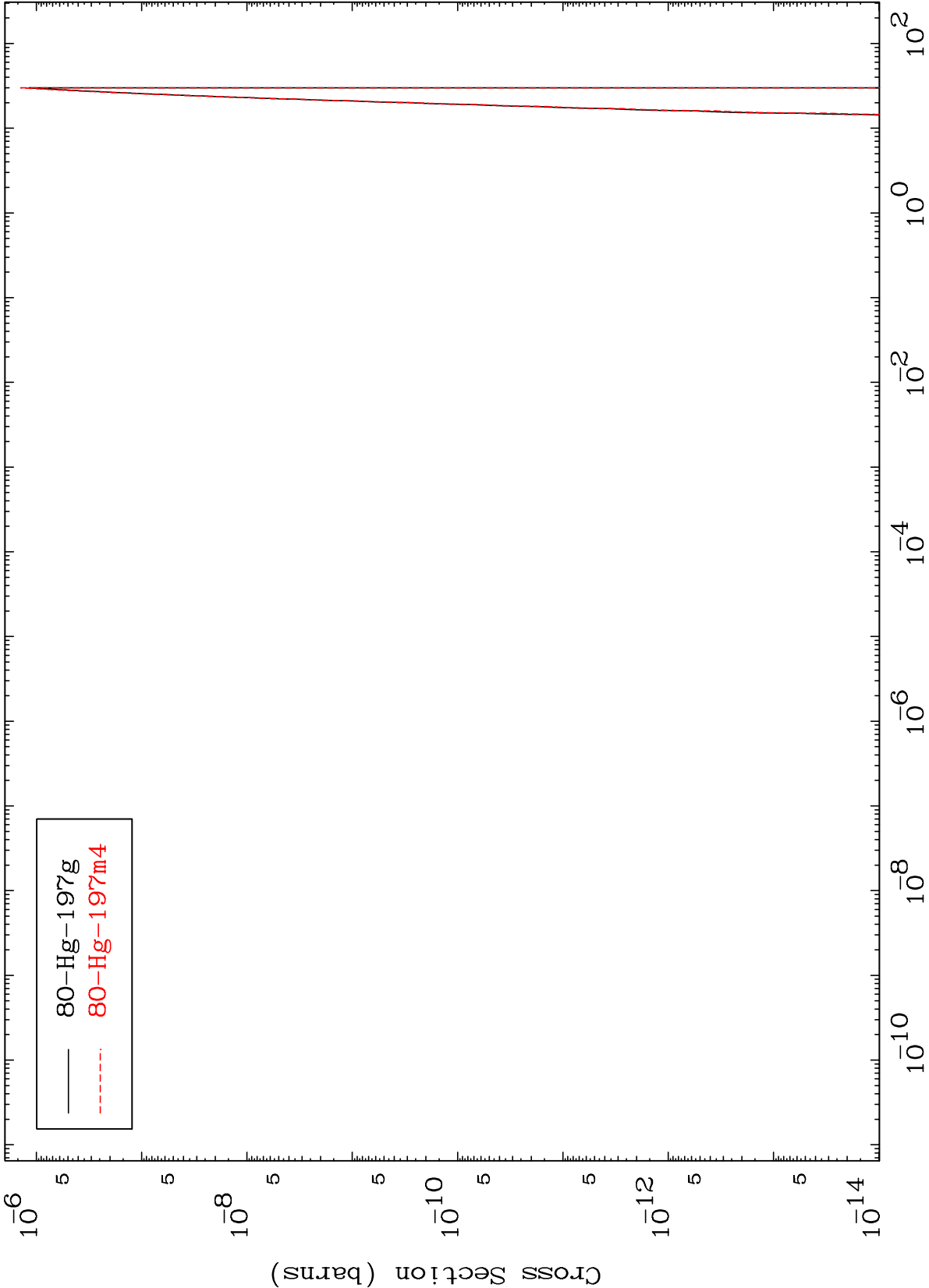


MAT 8304

(n,n') p α

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Radionuclide Production Cross Section



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Incident Energy (MeV)

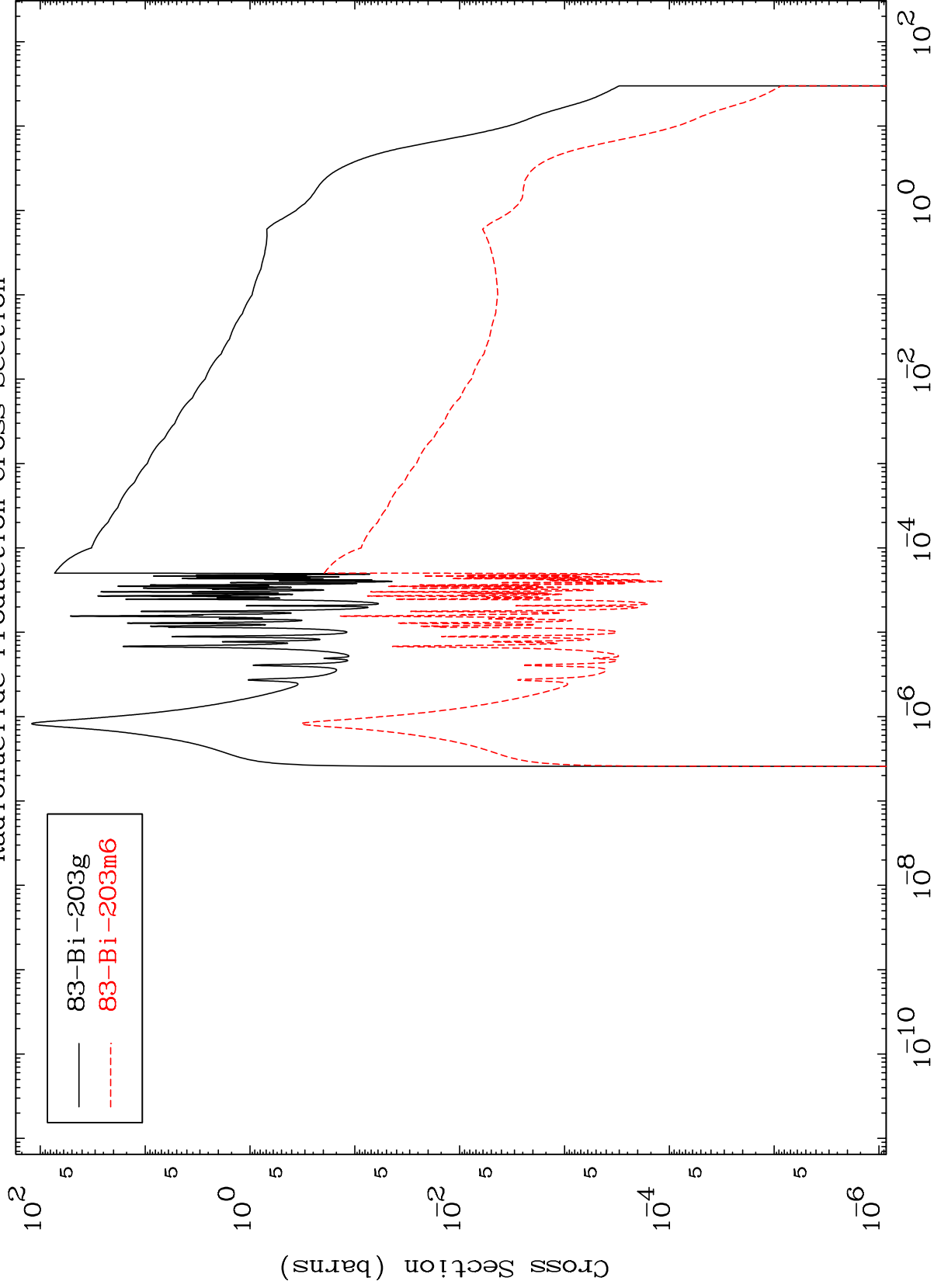
83-Bi-202

MAT 8304

83-Bi-202

Radionuclide Production Cross Section

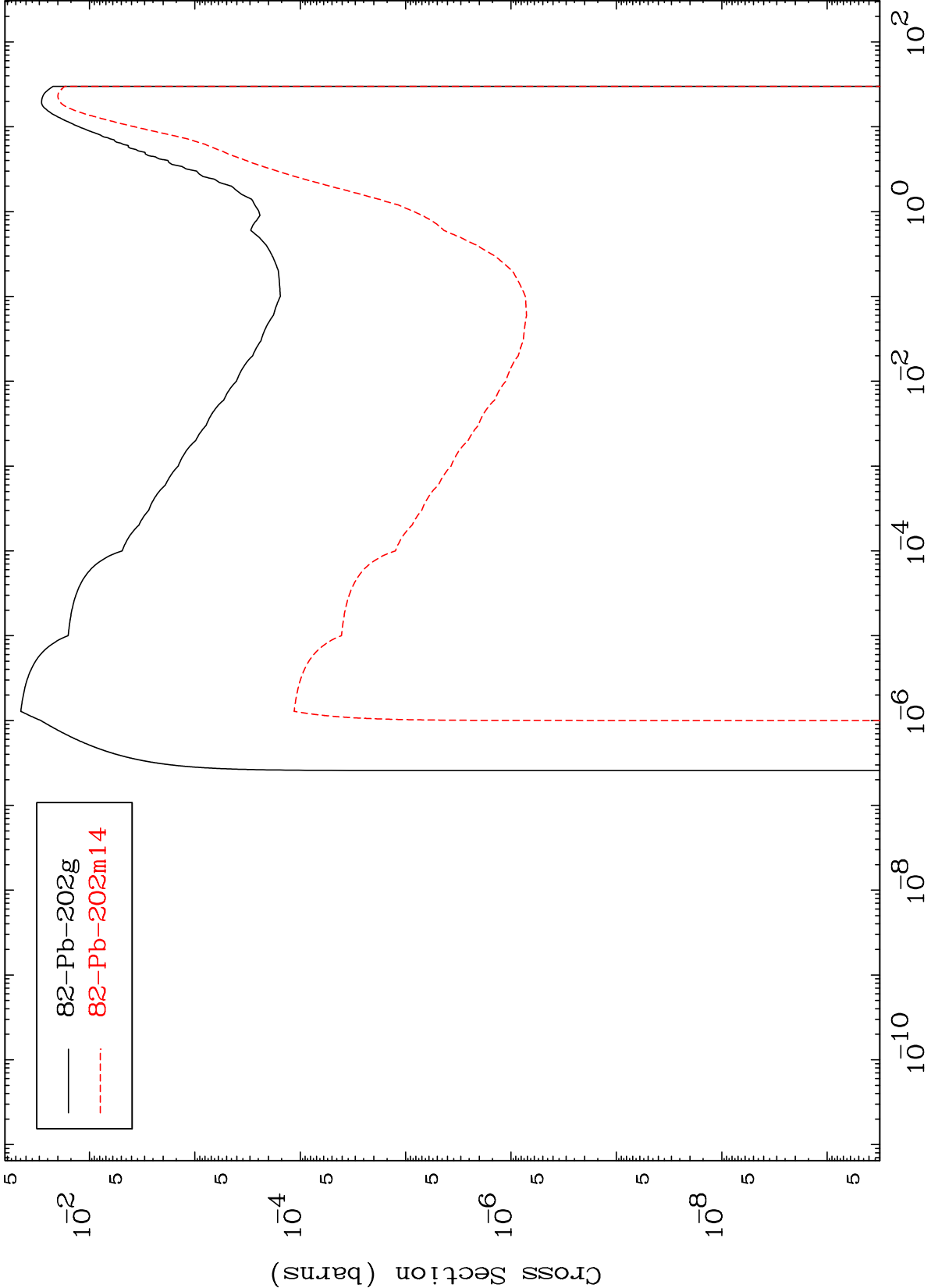
(n, γ)

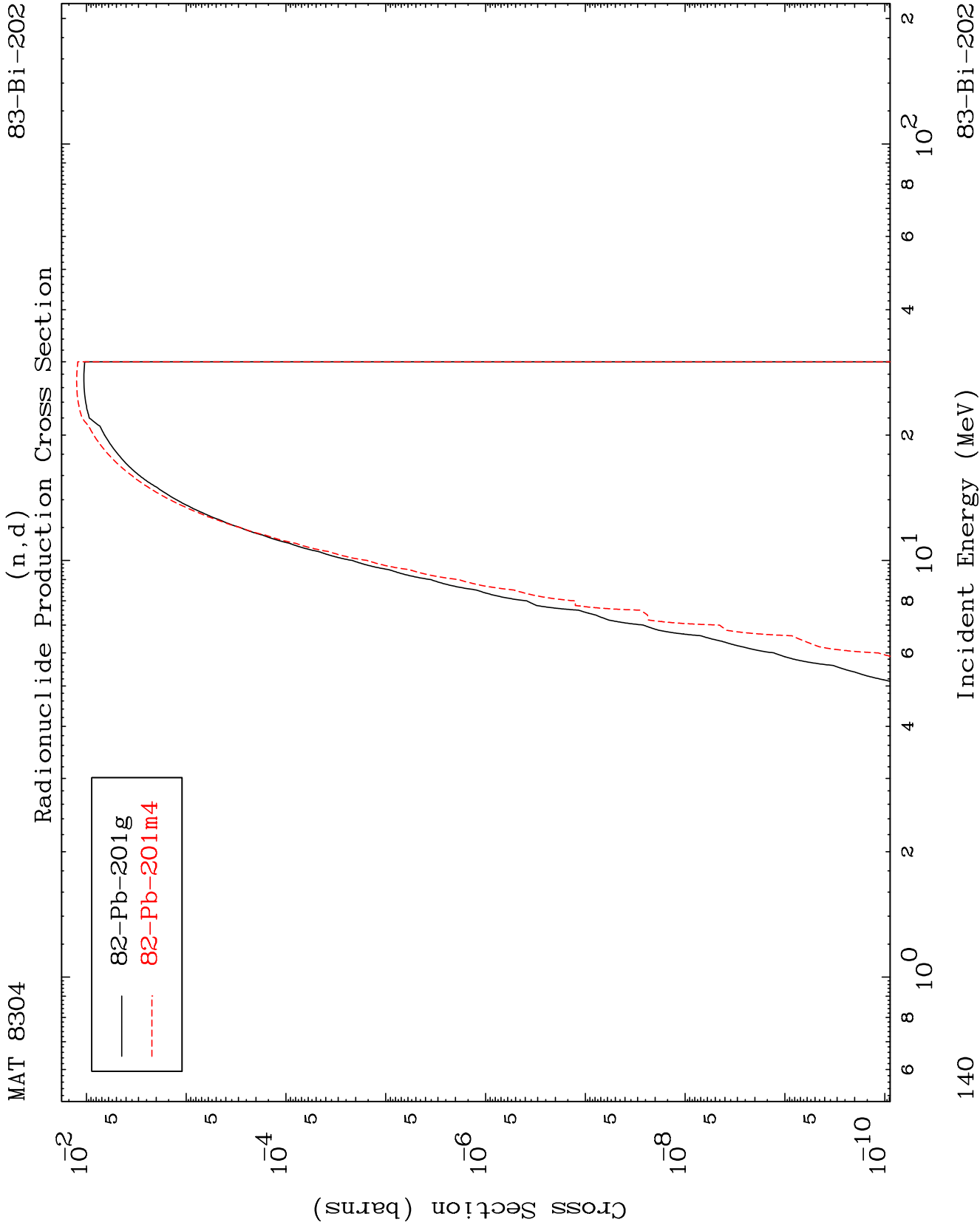


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Radionuclide Production Cross Section

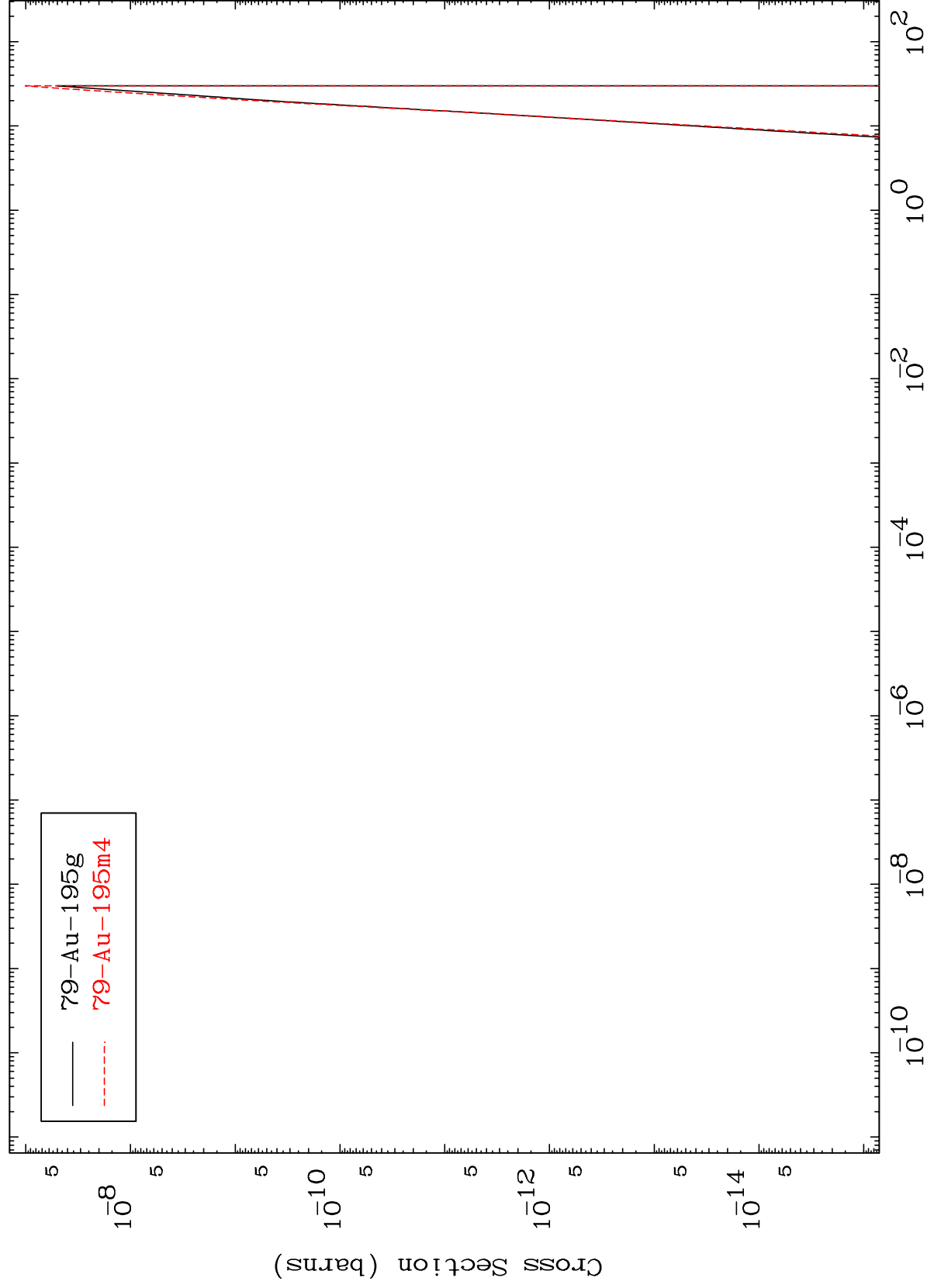




MAT 8304

83-Bi-202

(n,2α)
Radionuclide Production Cross Section



141

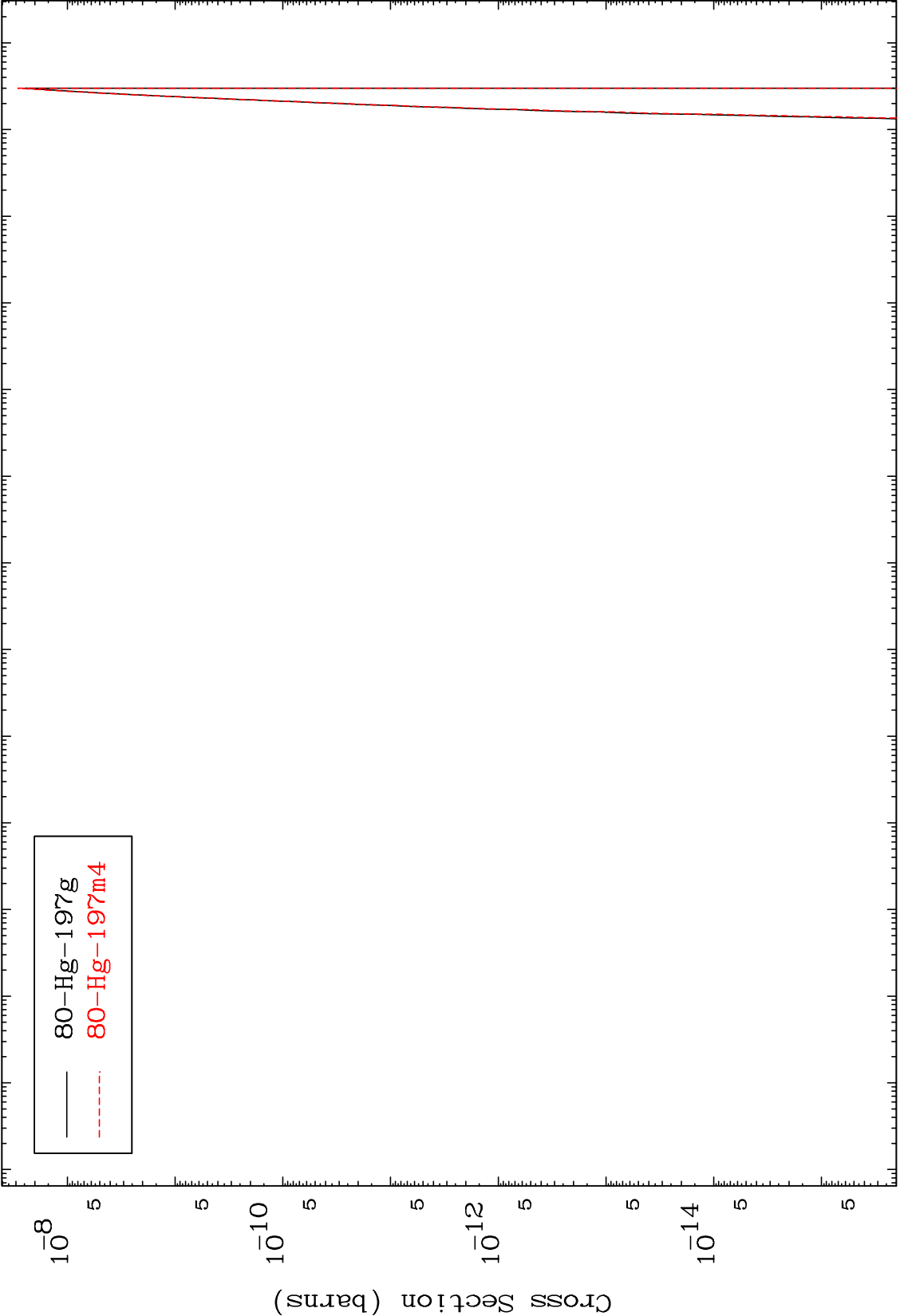
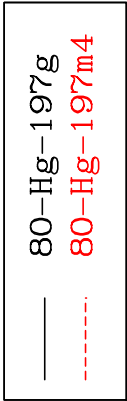
83-Bi-202

MAT 8304

(n,d) α

83-Bi-202

Radionuclide Production Cross Section



142

83-Bi-202