

Program EVALPLOT
(Version 2021-1)

by

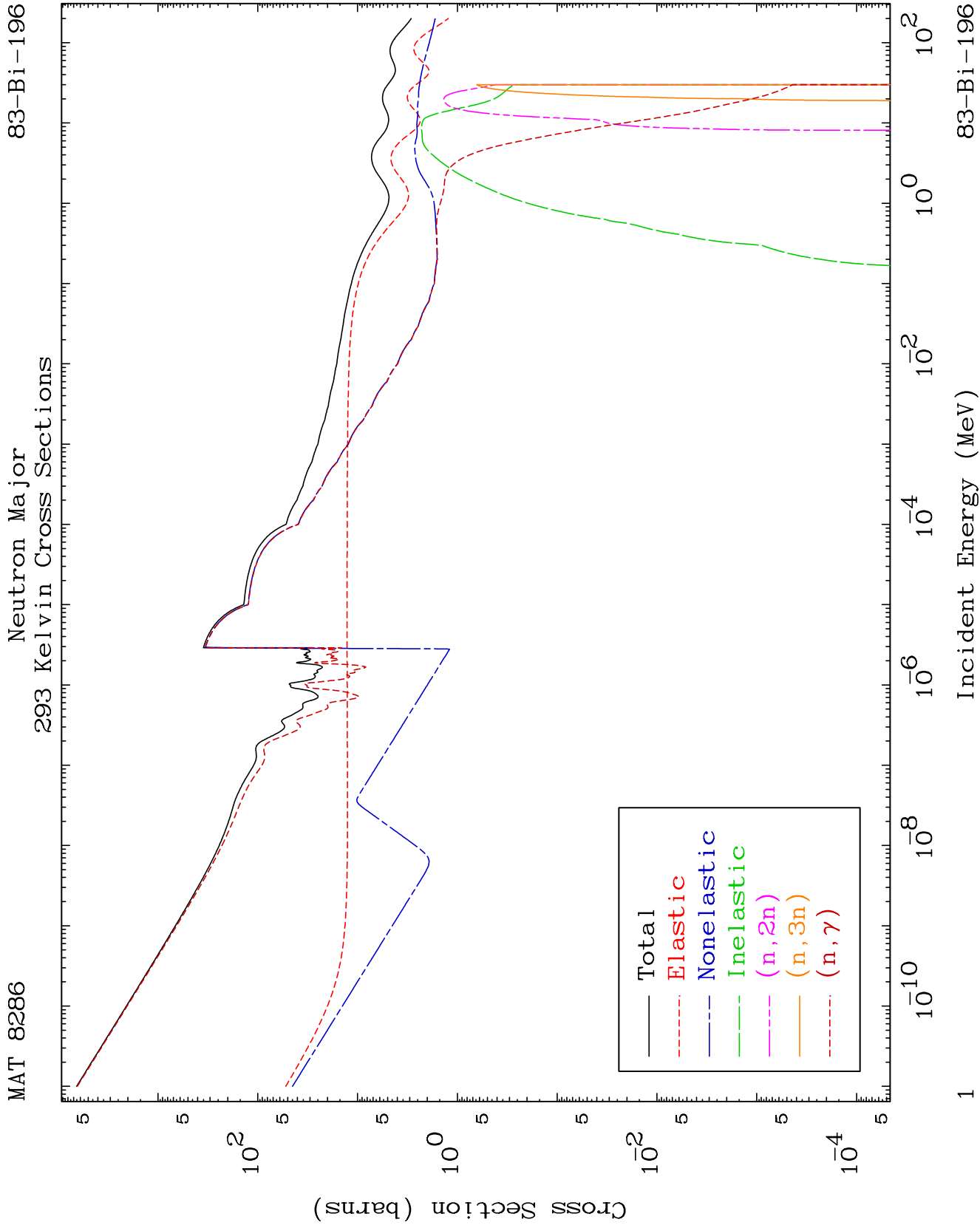
Dermott E. Cullen
(Present Contact Information)

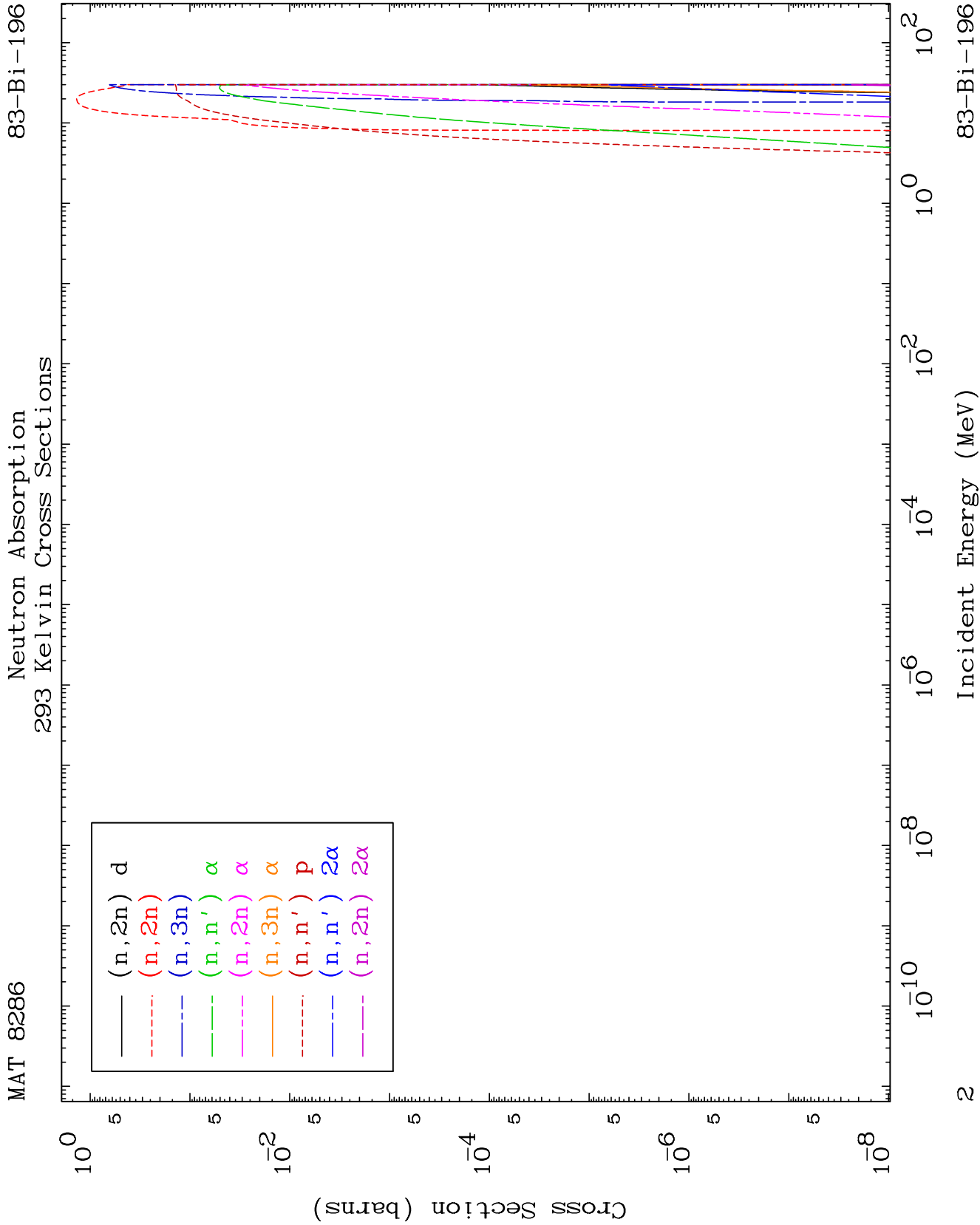
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

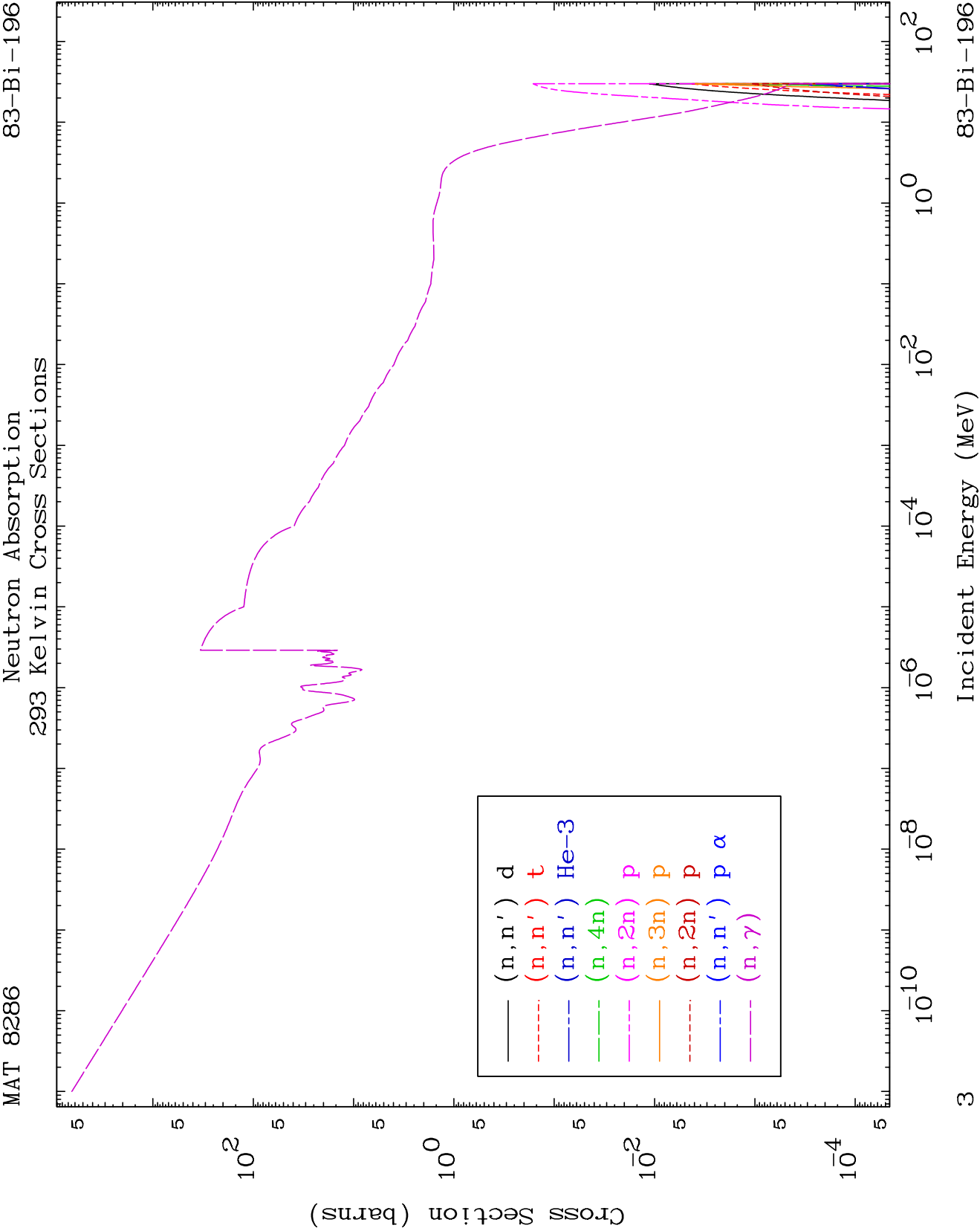
Tele: 925-443-1911

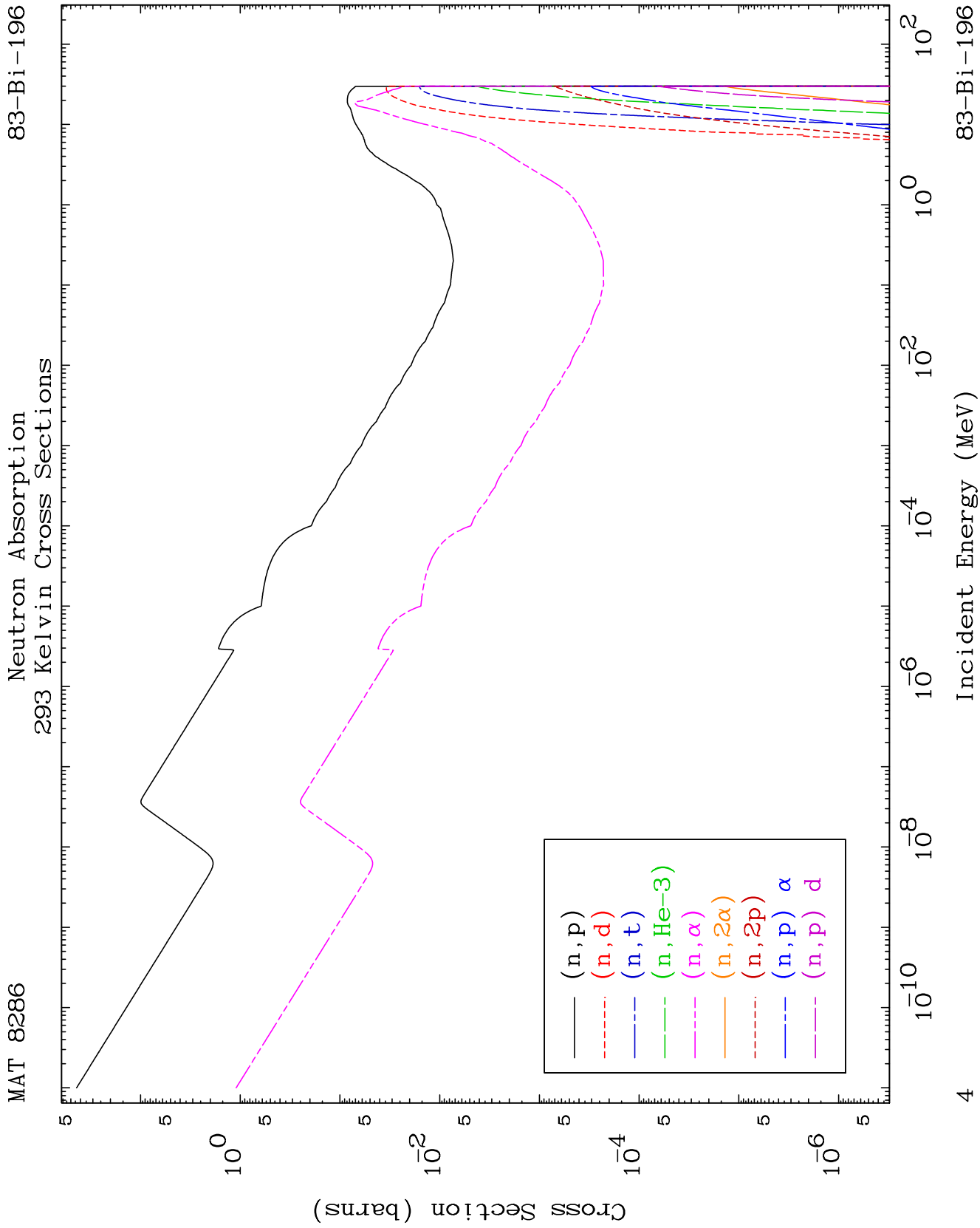
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

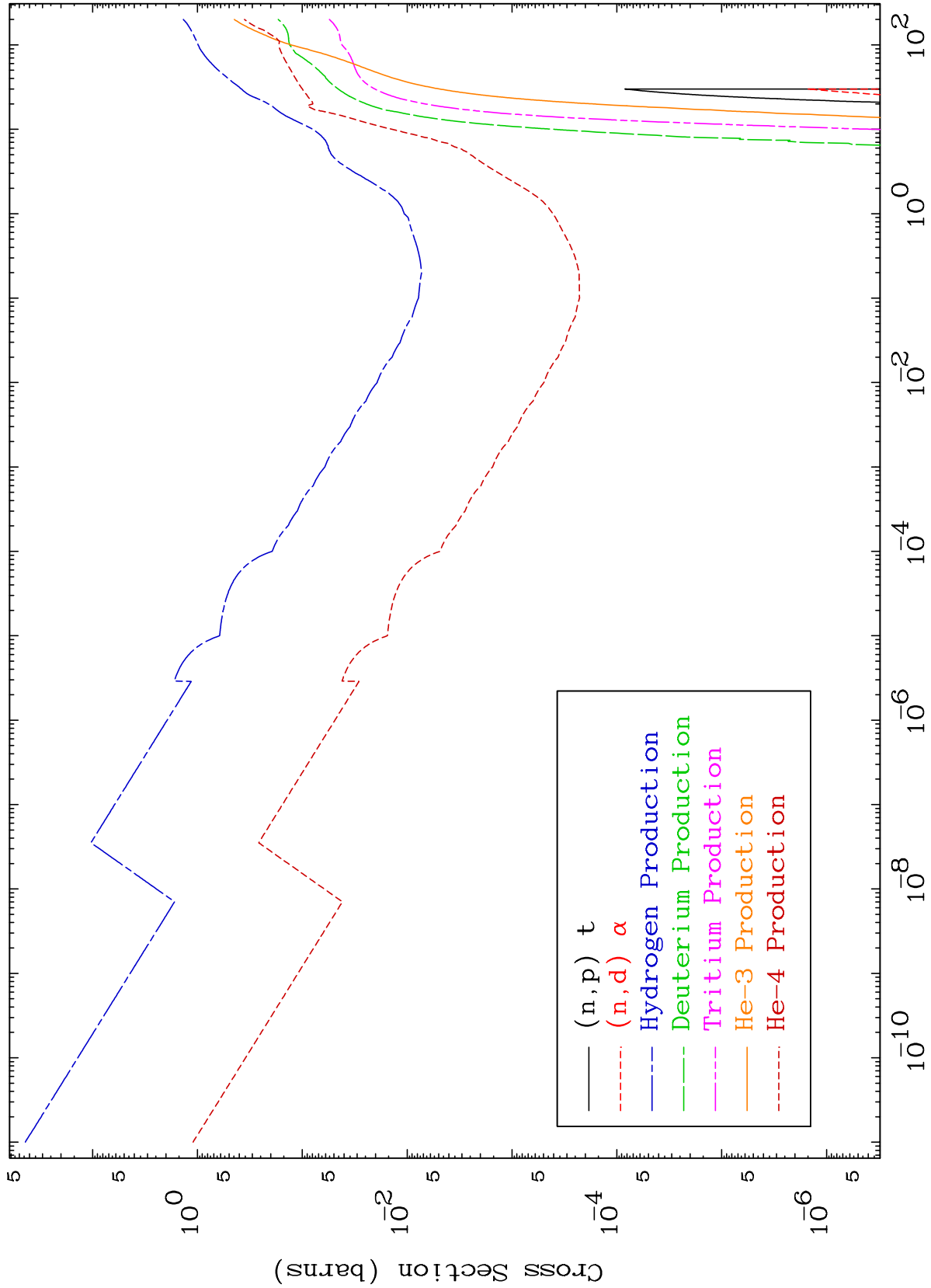
Press Mouse Button to Start







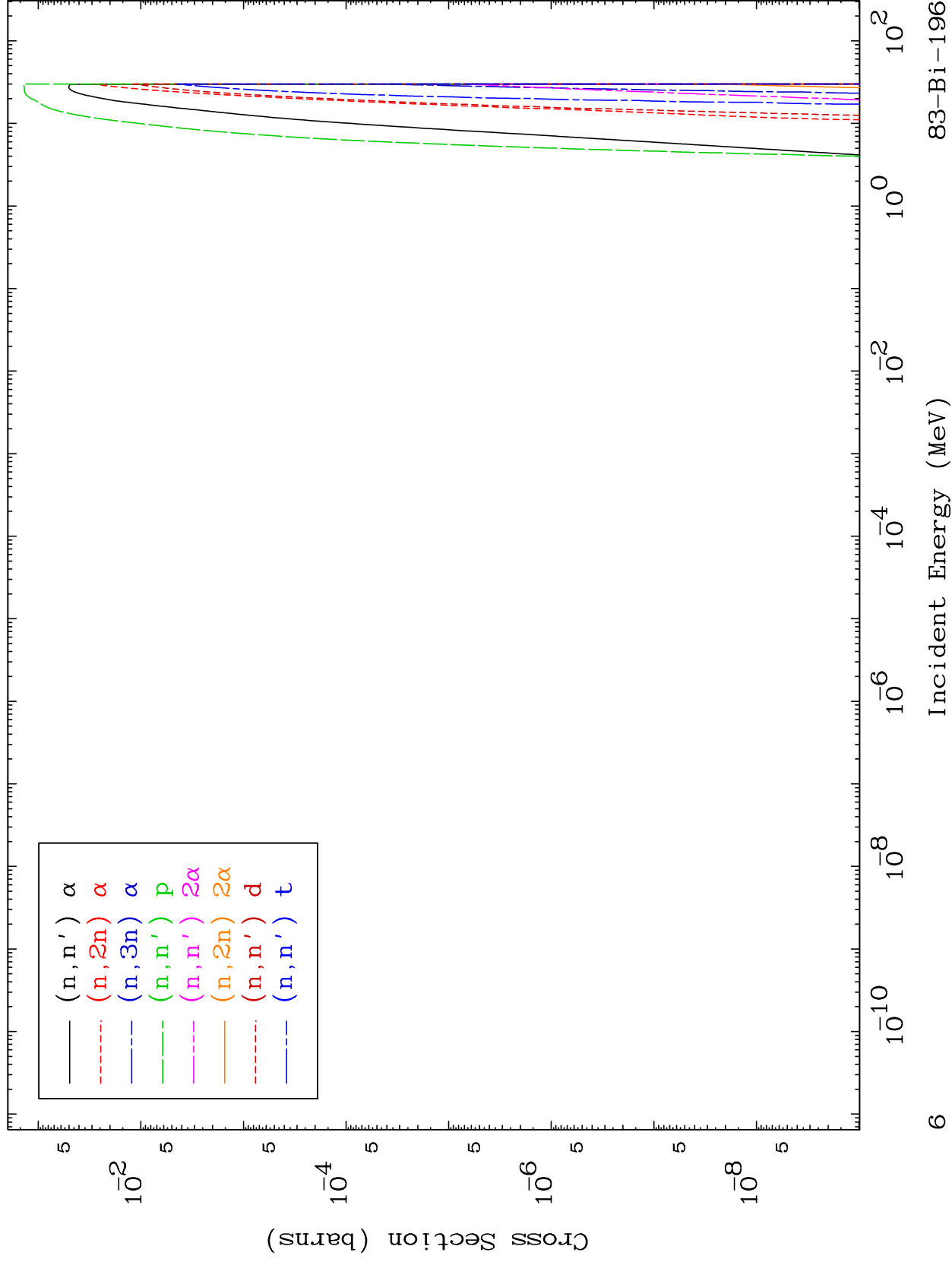


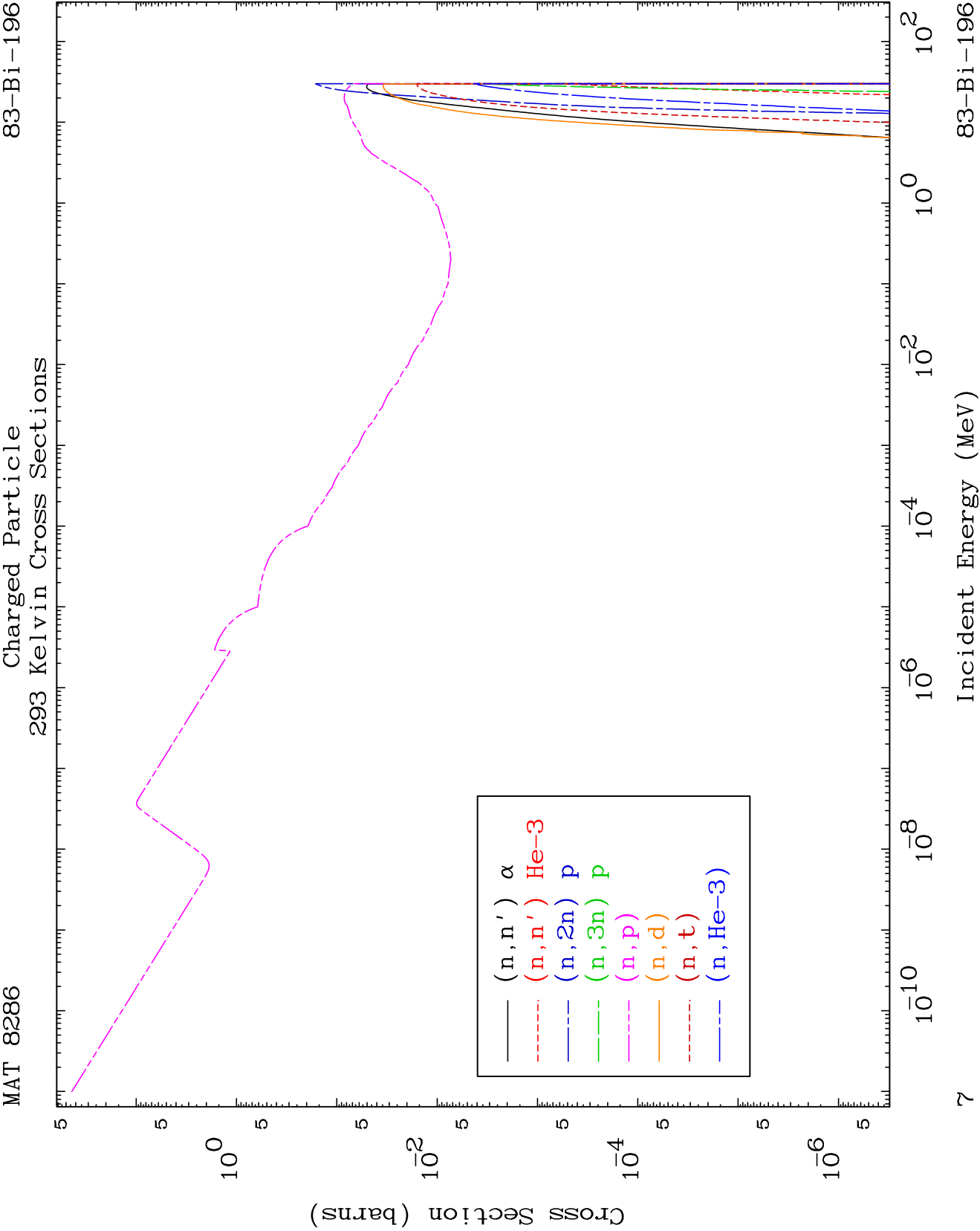


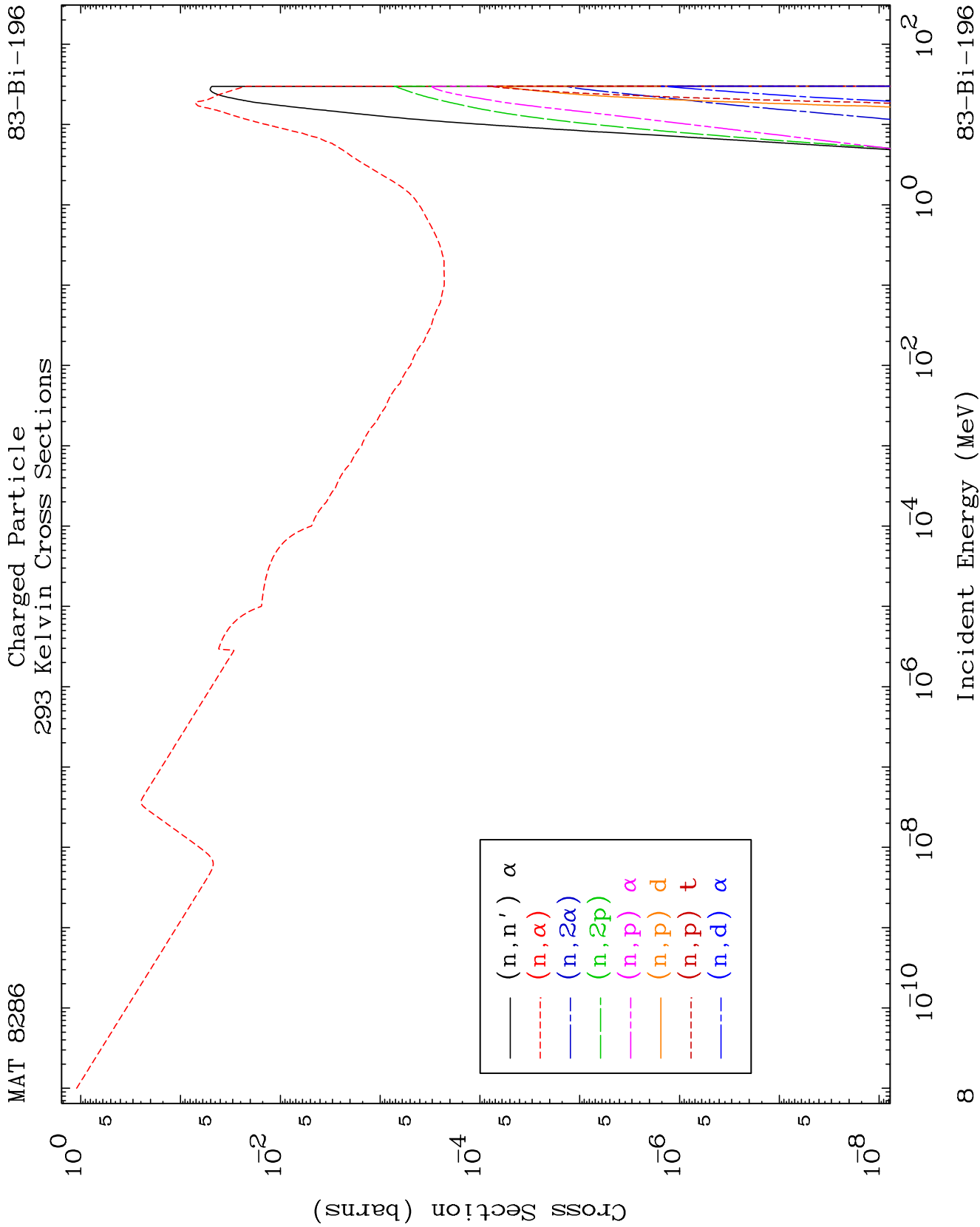
MAT 8286

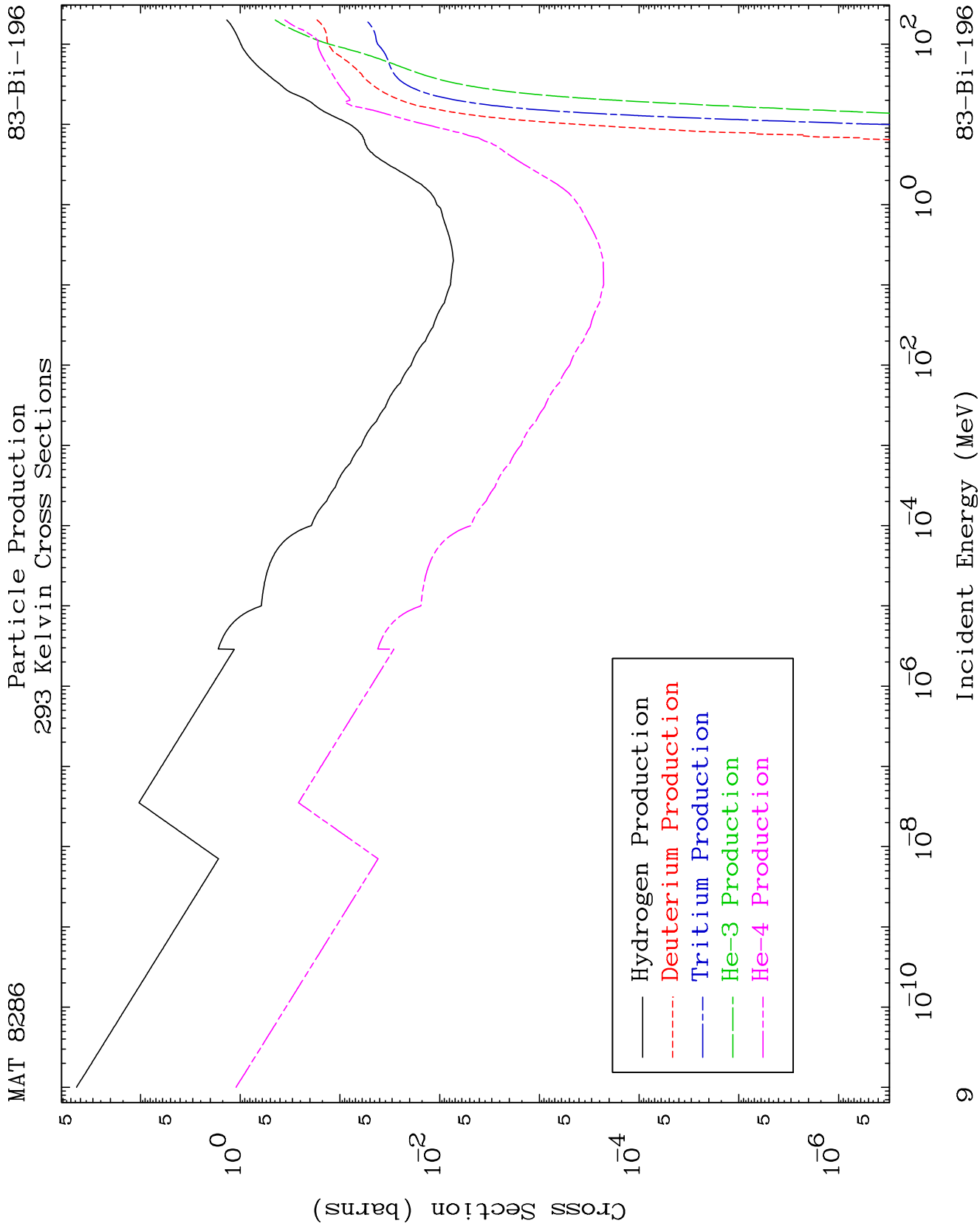
Charged Particle
293 Kelvin Cross Sections

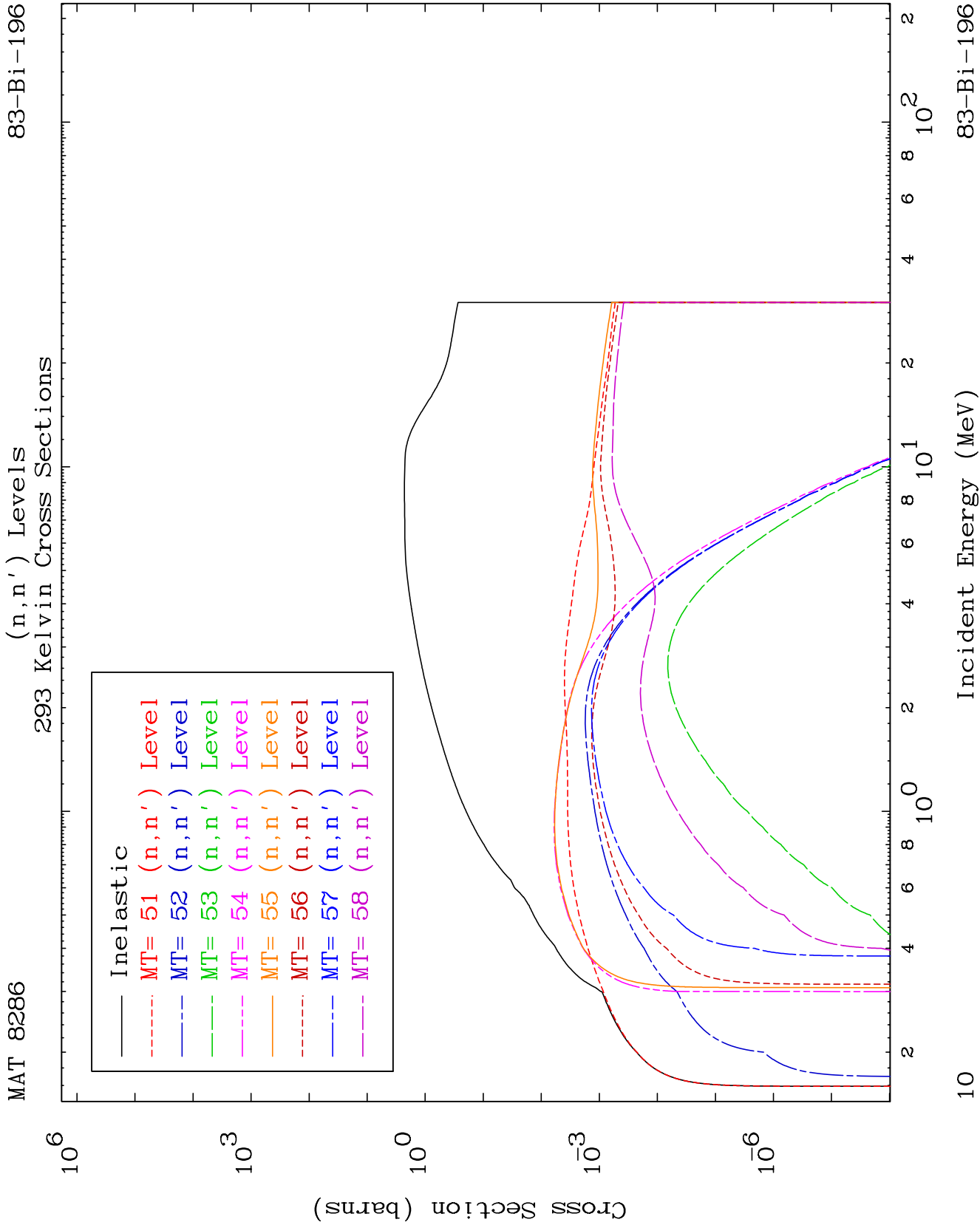
83-Bi-196

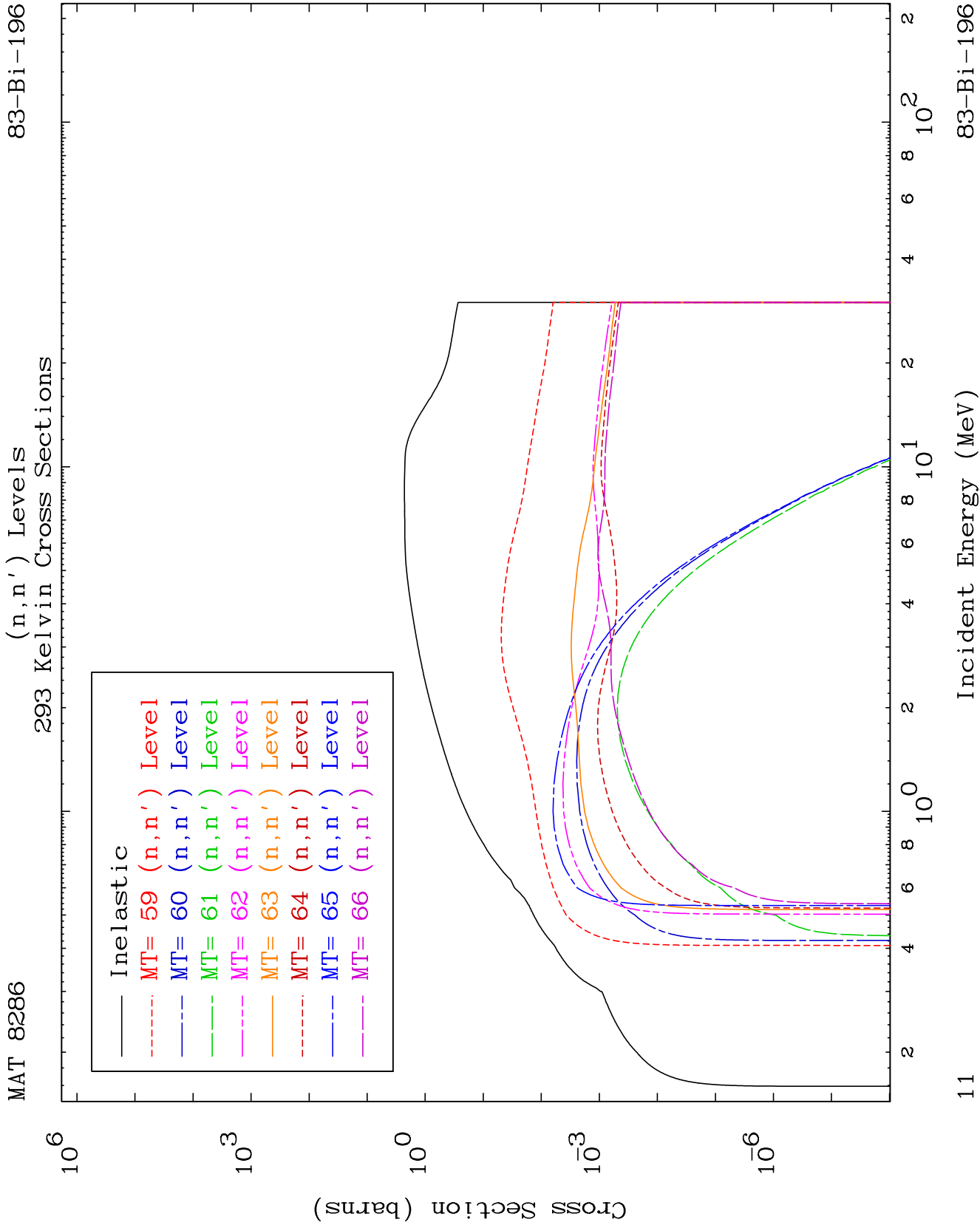








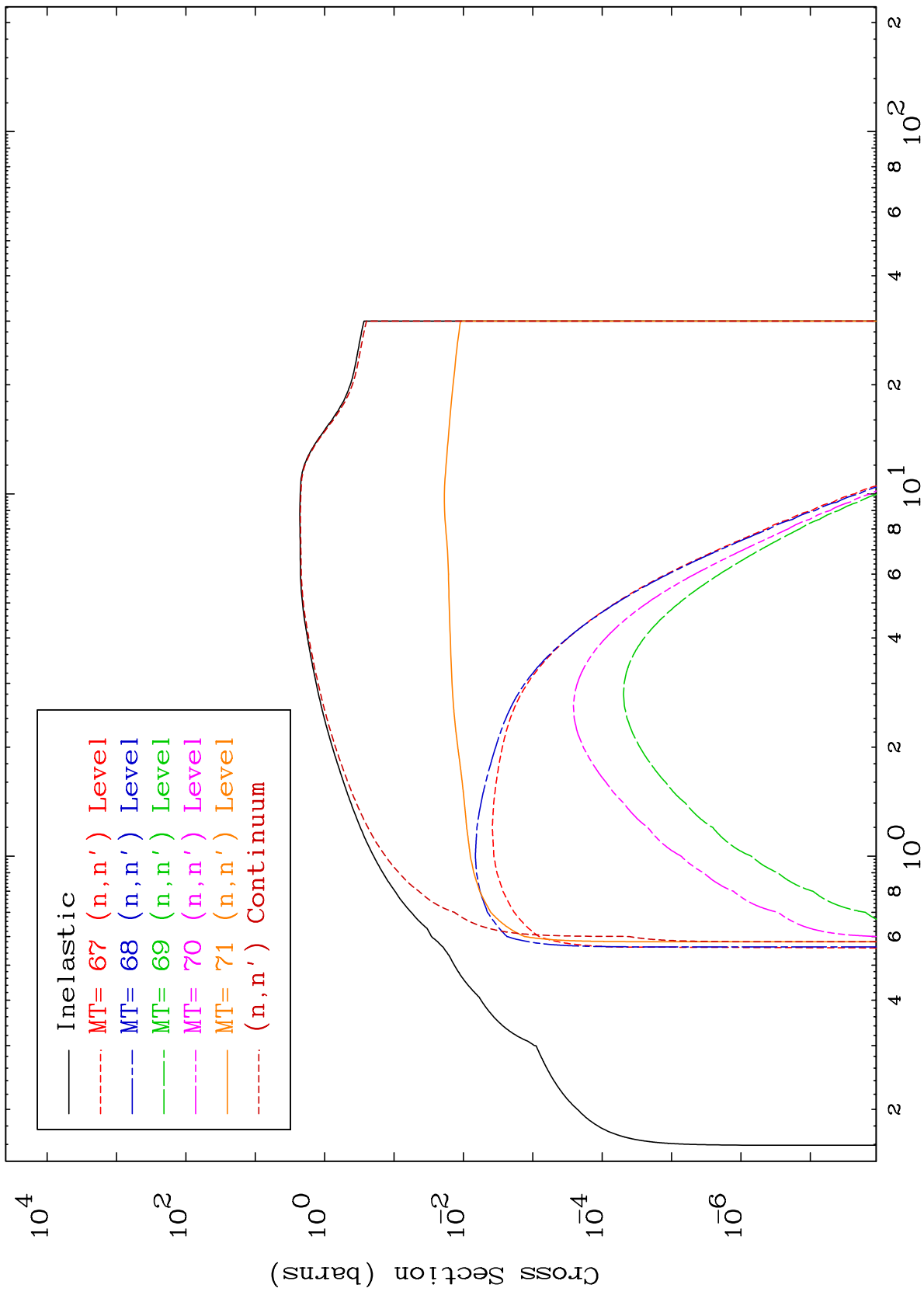




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83-Bi-196

(n,n') Levels
293 Kelvin Cross Sections



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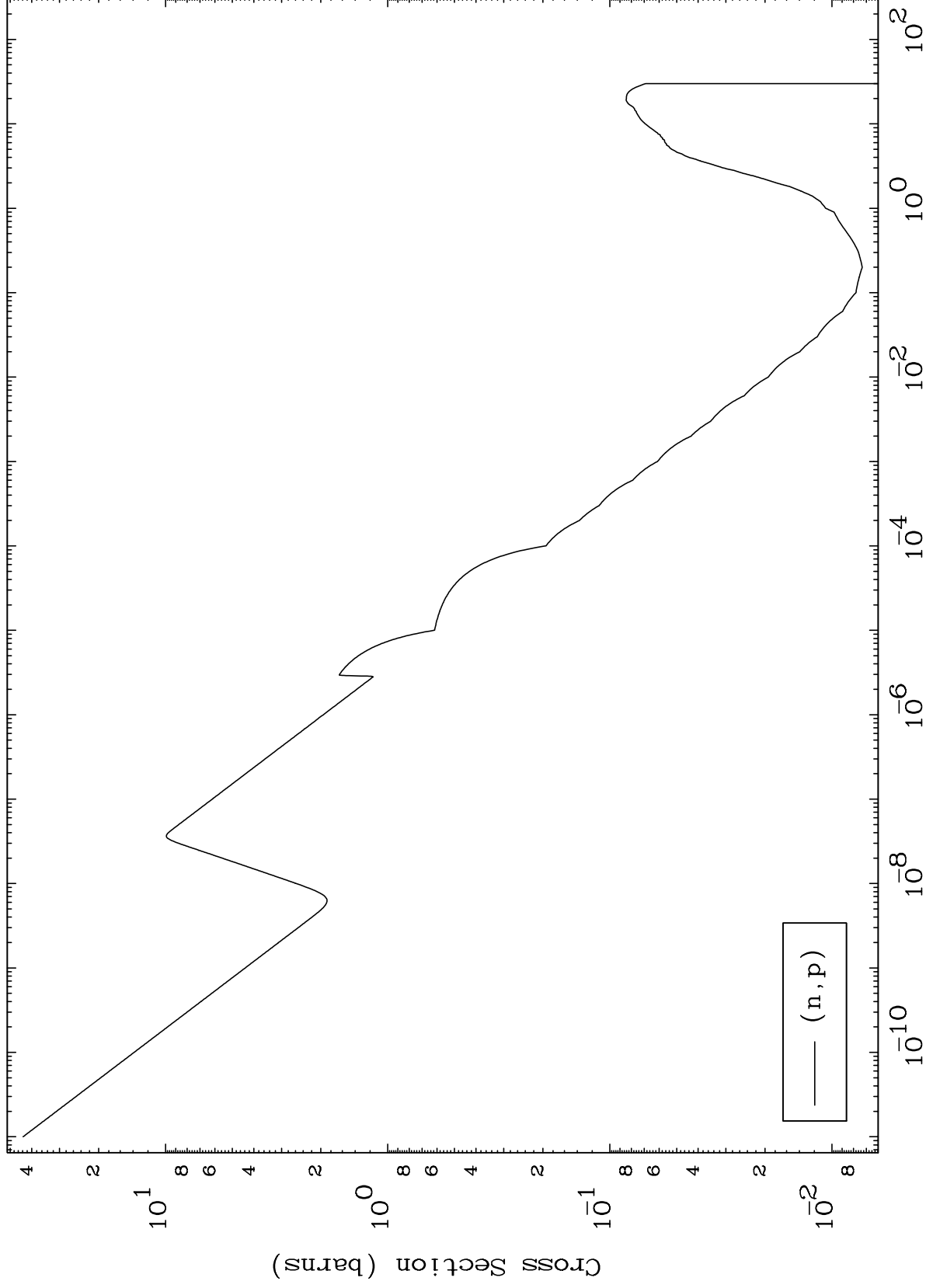
Incident Energy (MeV)

83-Bi-196

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(n,p) Levels
293 Kelvin Cross Sections



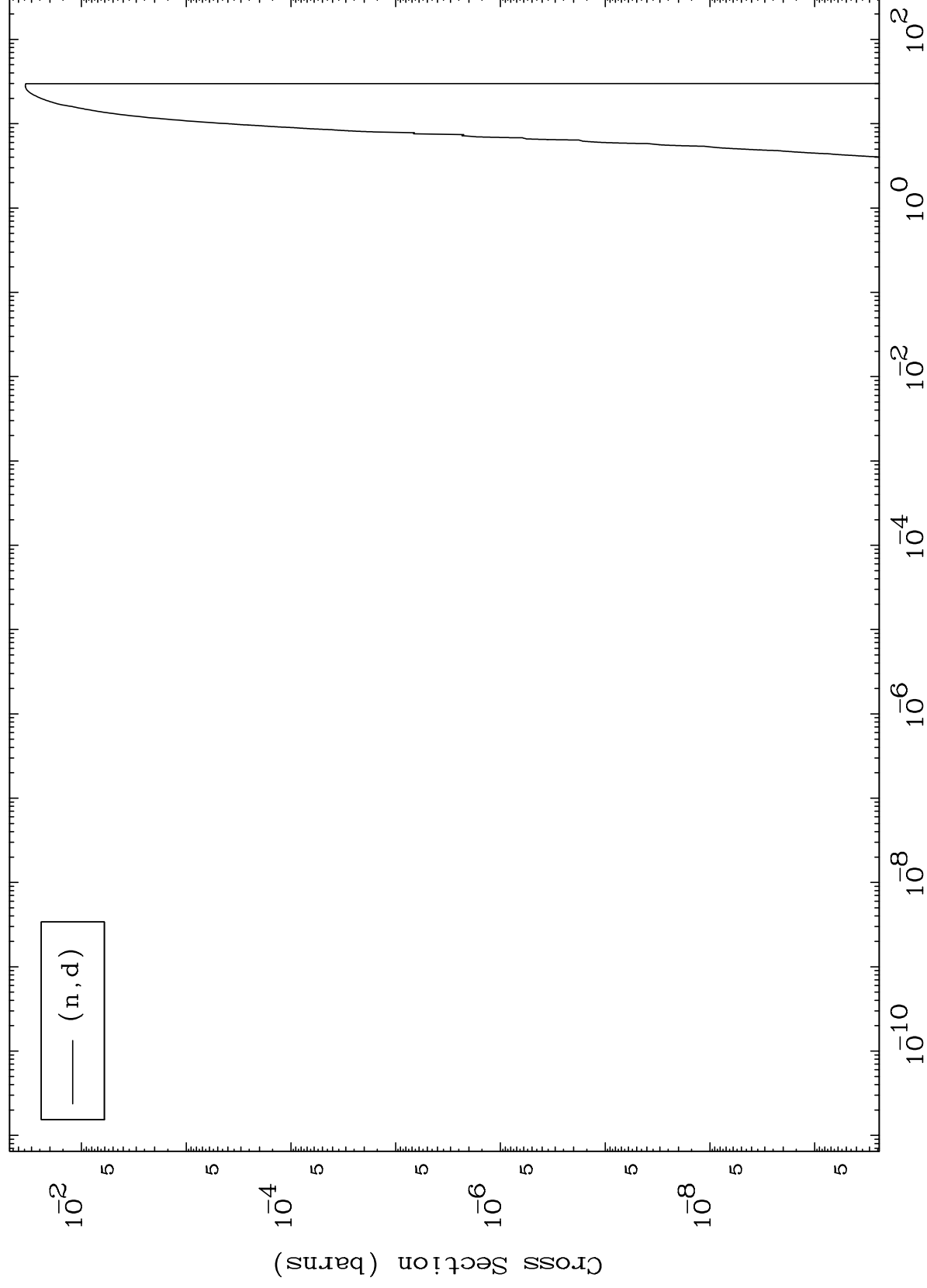
13

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(n,d) Levels
293 Kelvin Cross Sections

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14

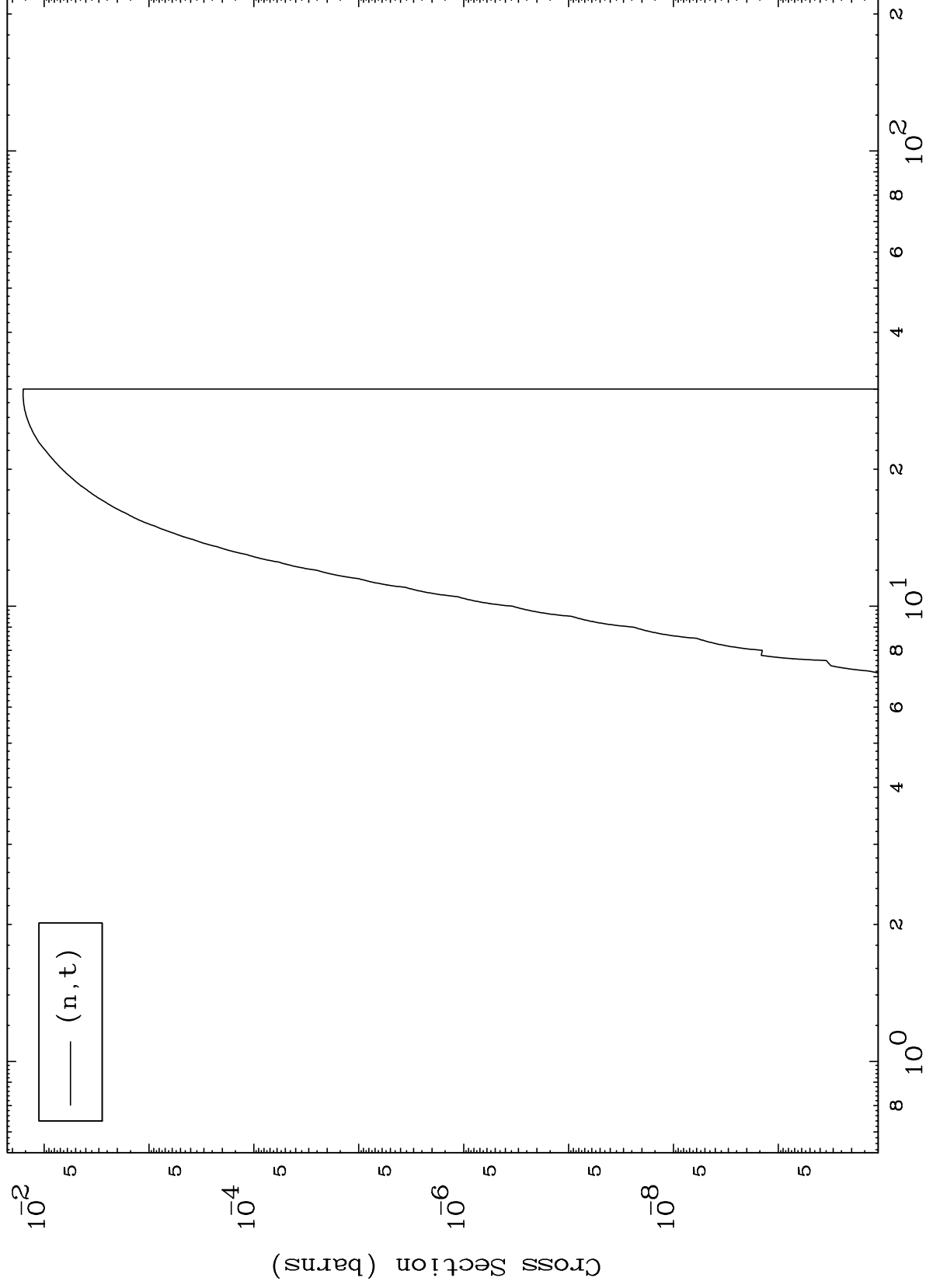
Incident Energy (MeV)

83-Bi-196

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83-Bi-196

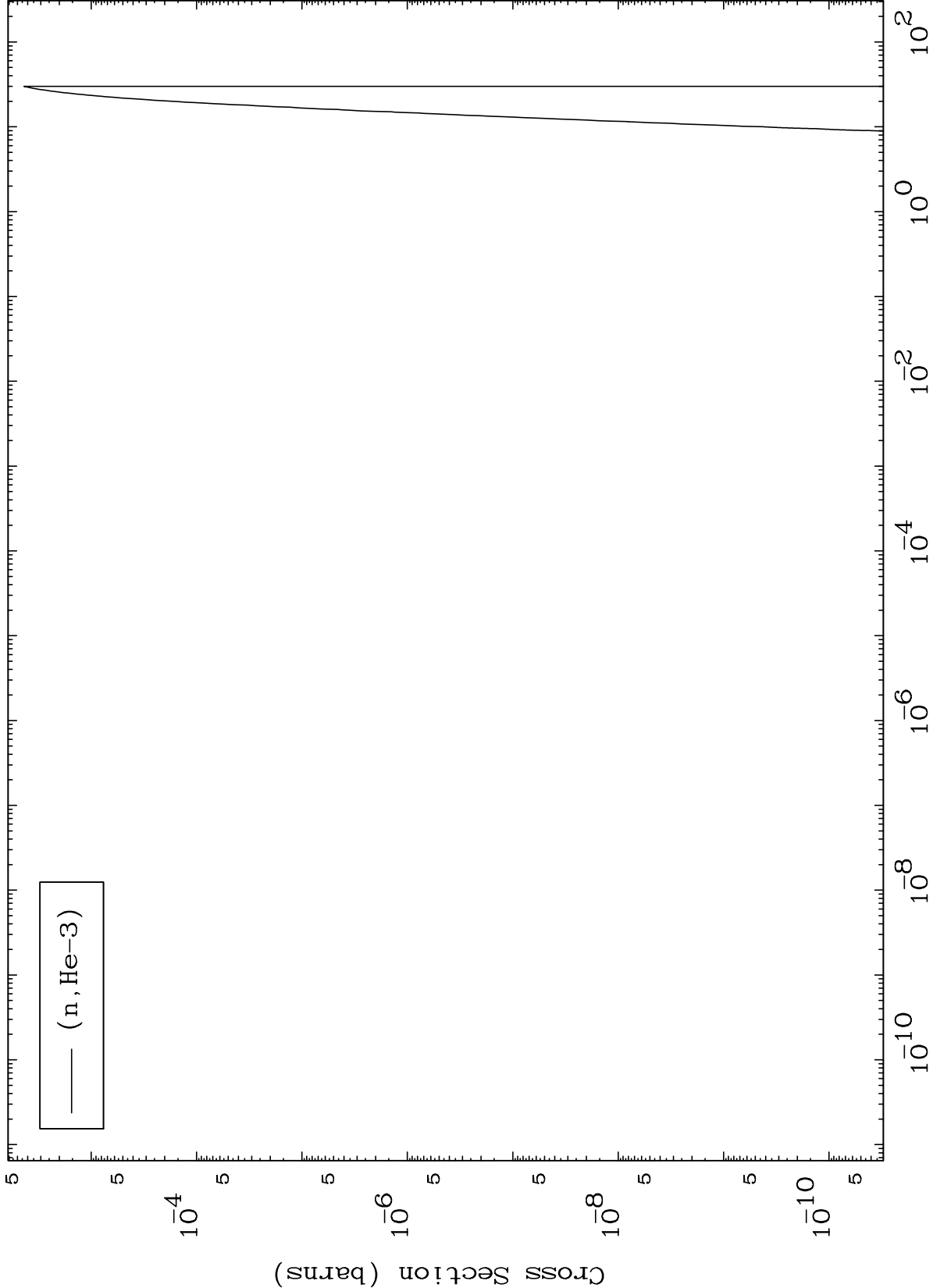
(n,t) Levels
293 Kelvin Cross Sections

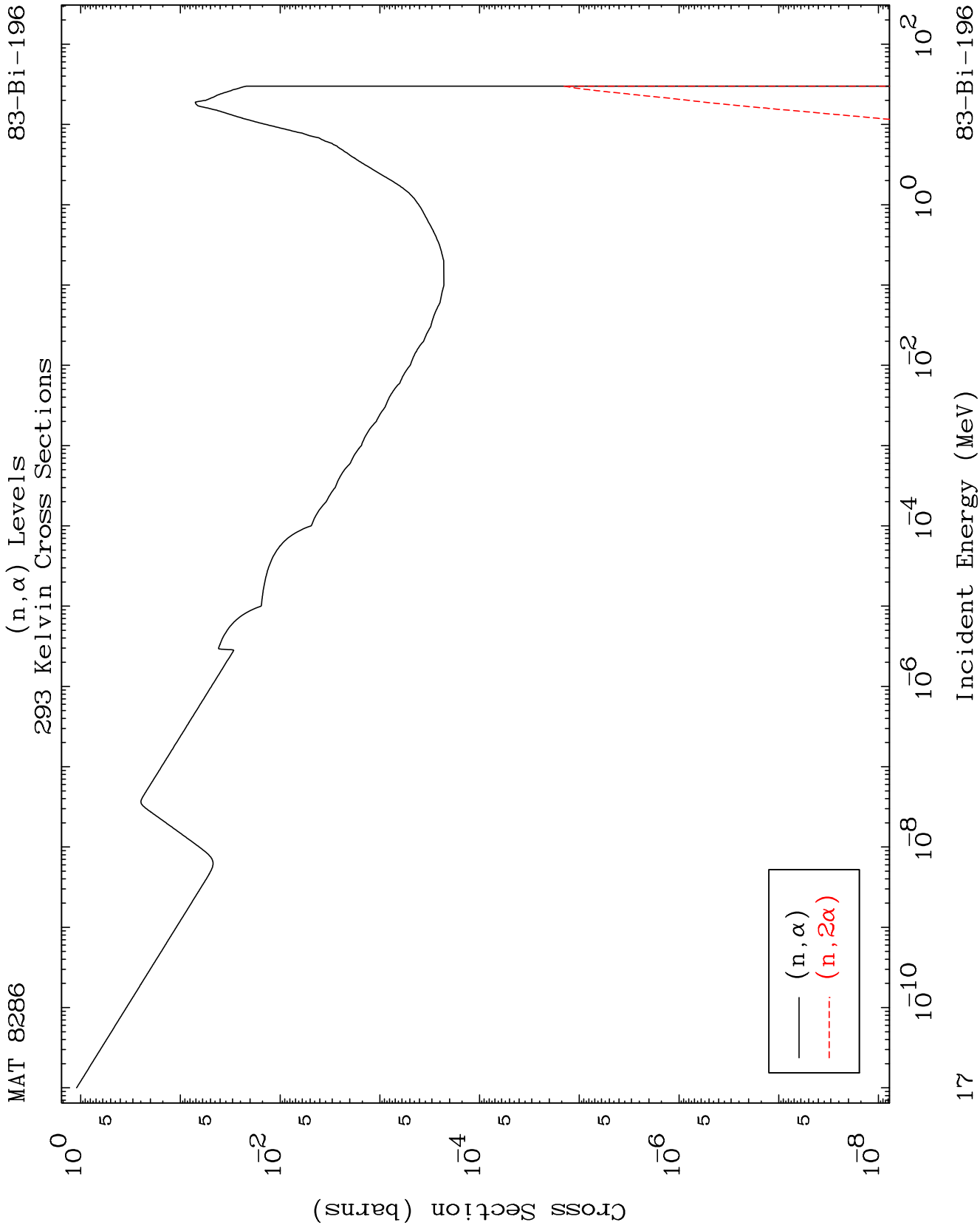


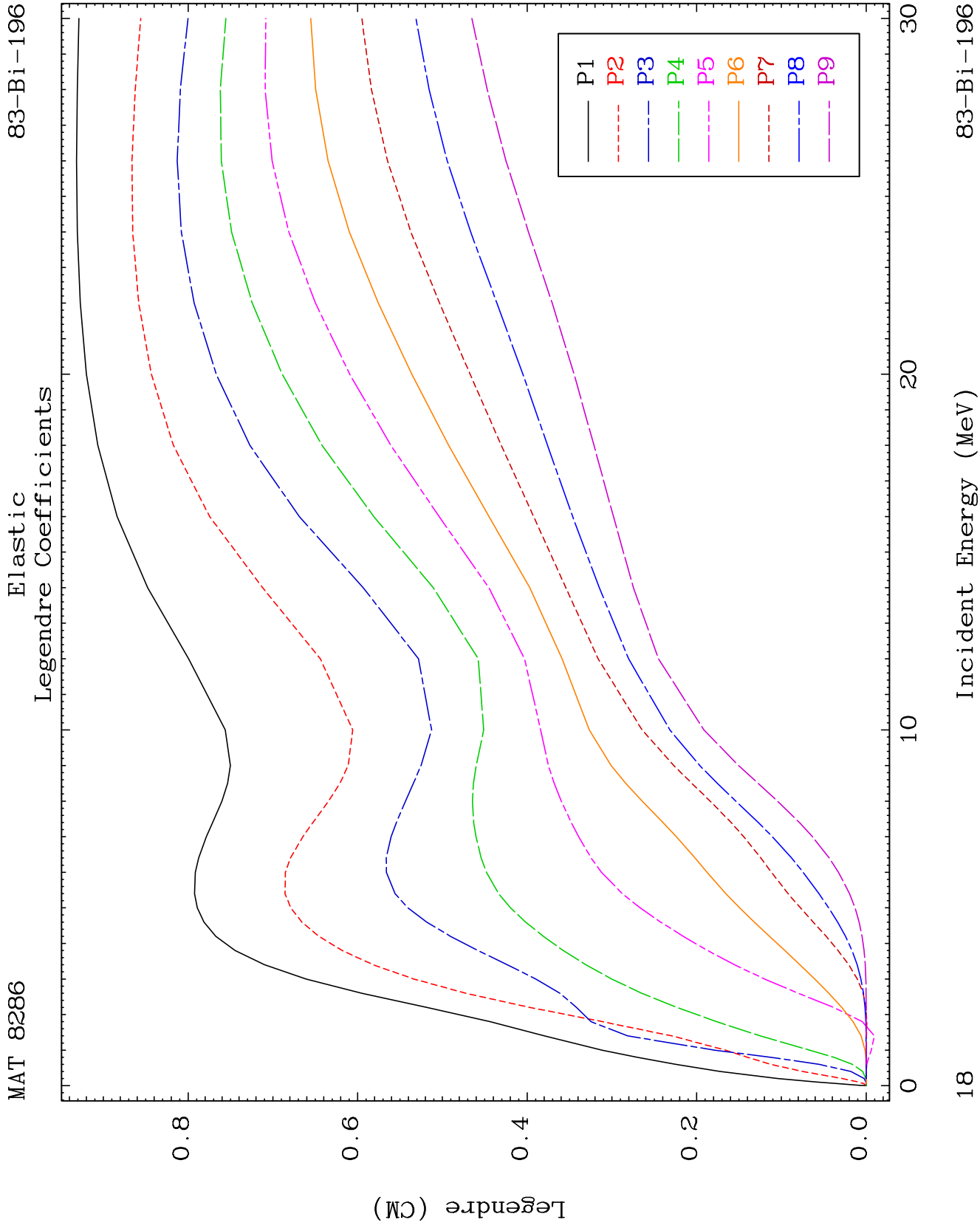
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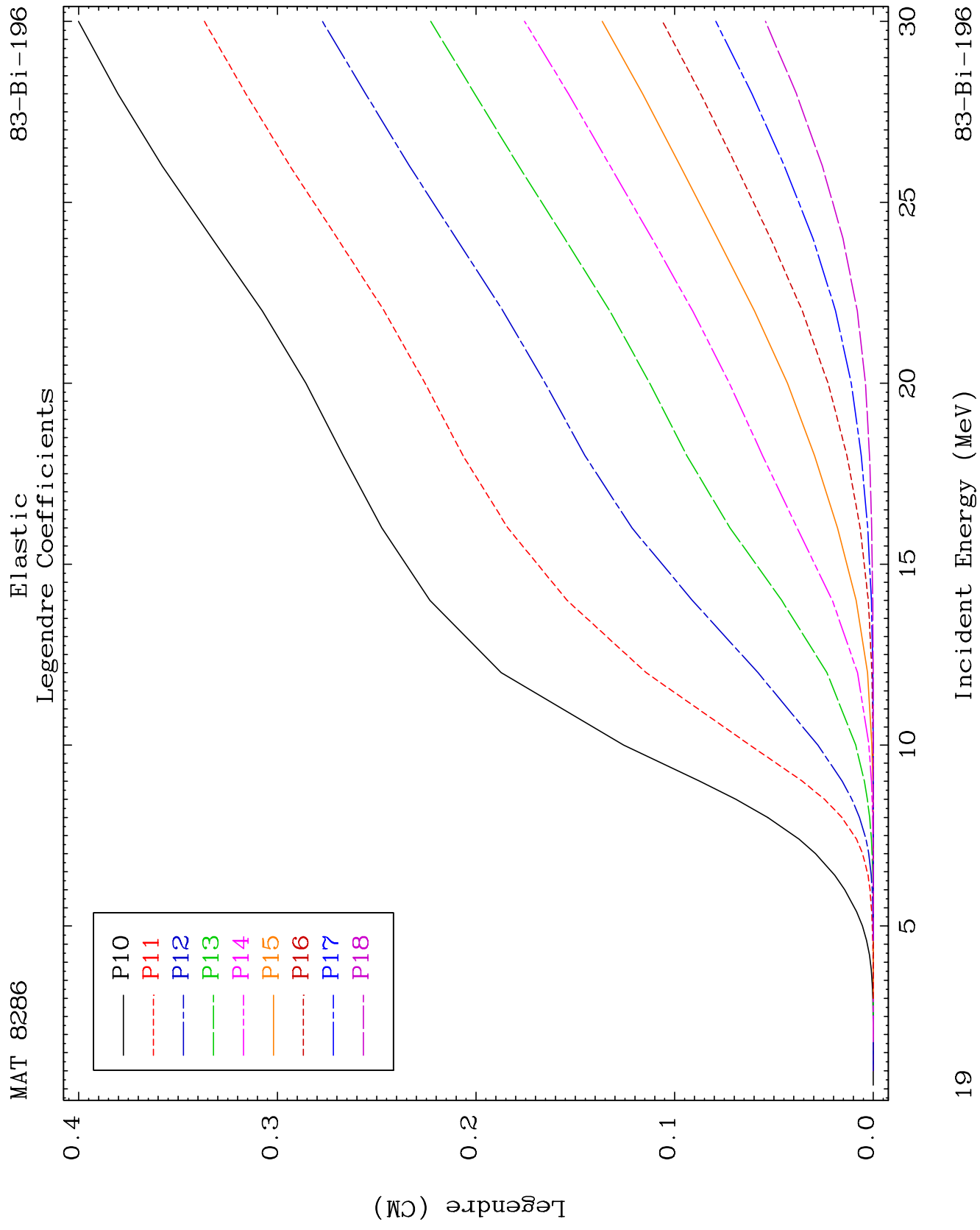
Incident Energy (MeV)

83-Bi-196





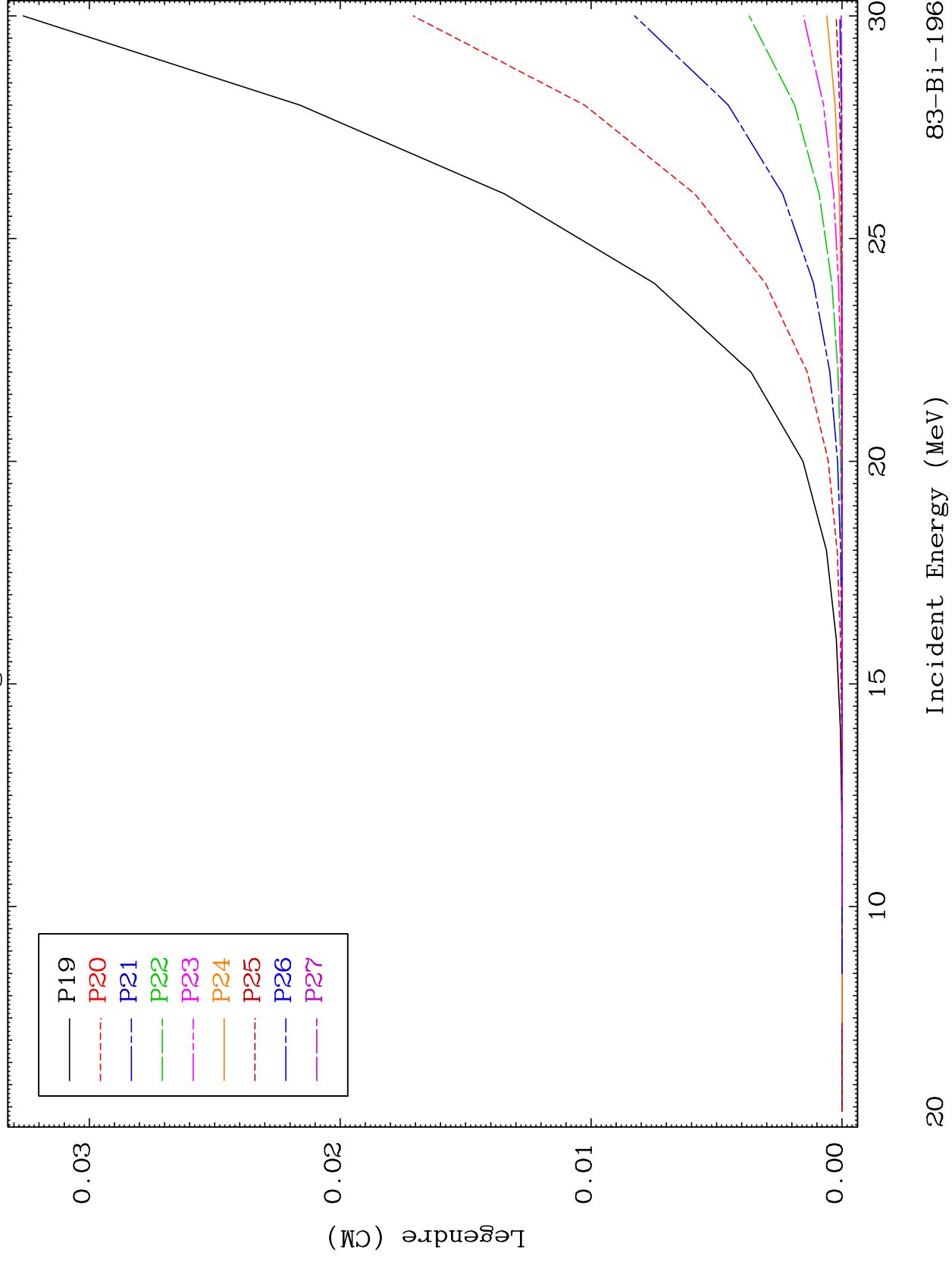


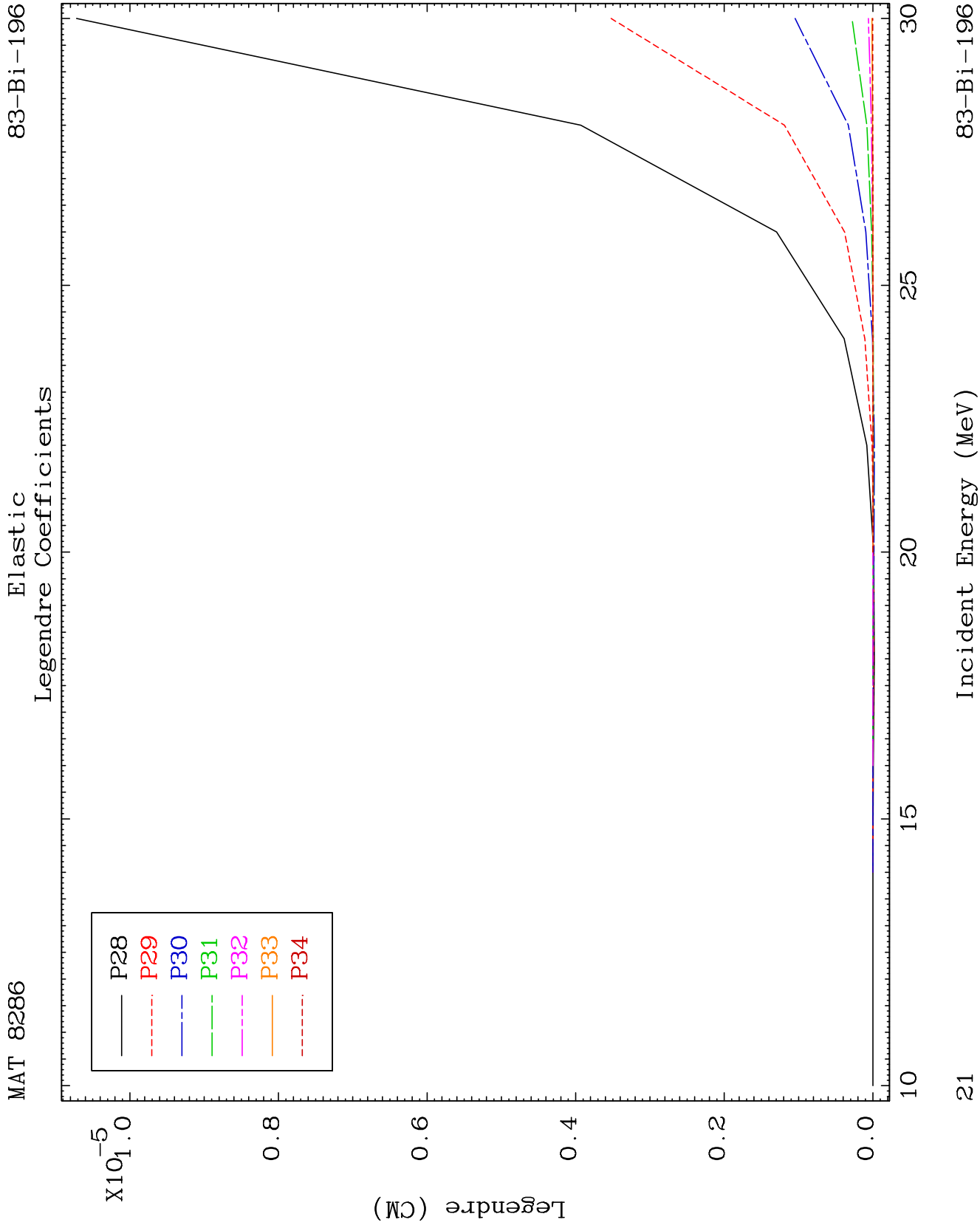


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Elastic Legendre Coefficients

83-Bi-196

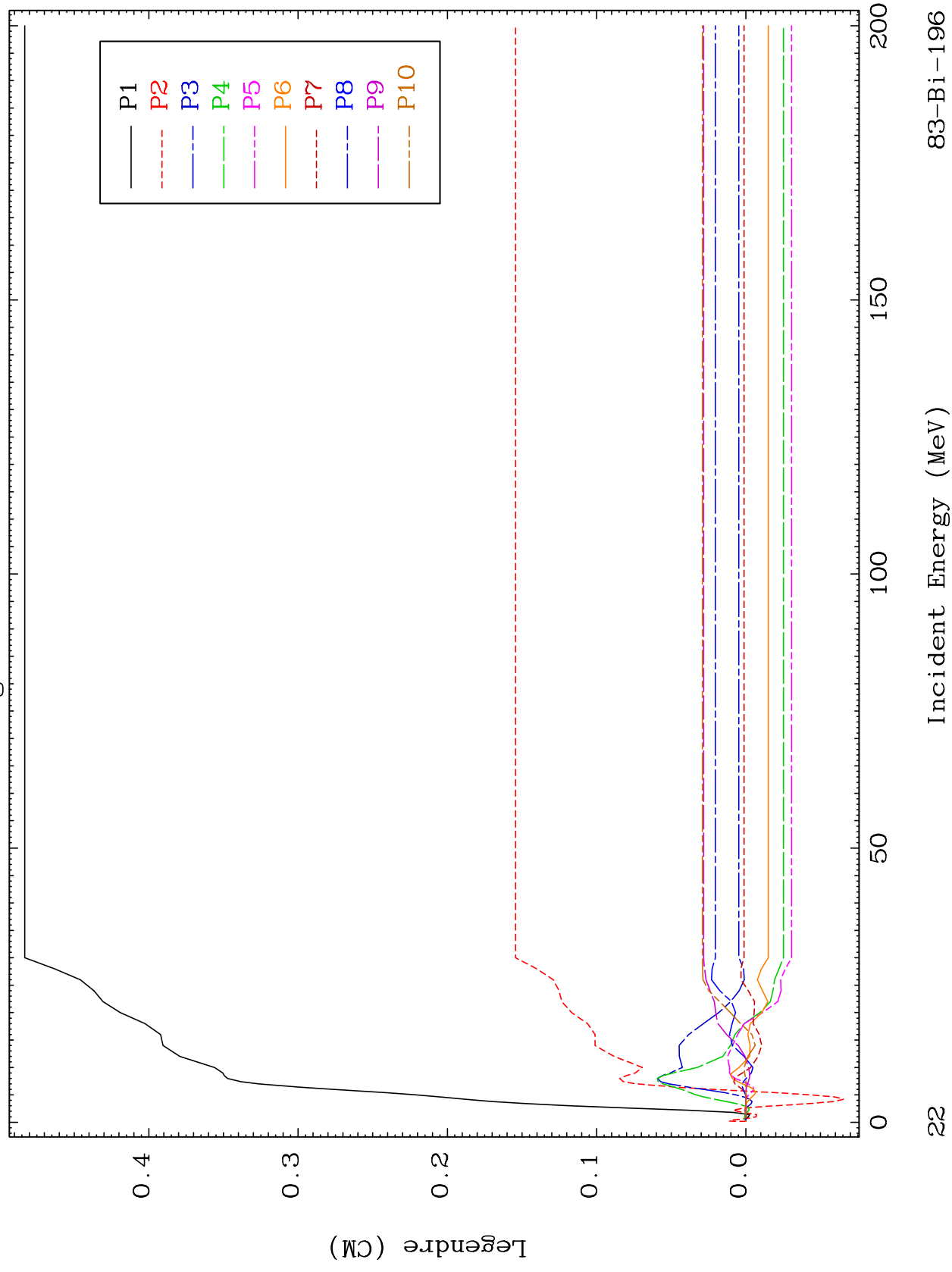




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MT= 51 (n, n') Level
Legendre Coefficients

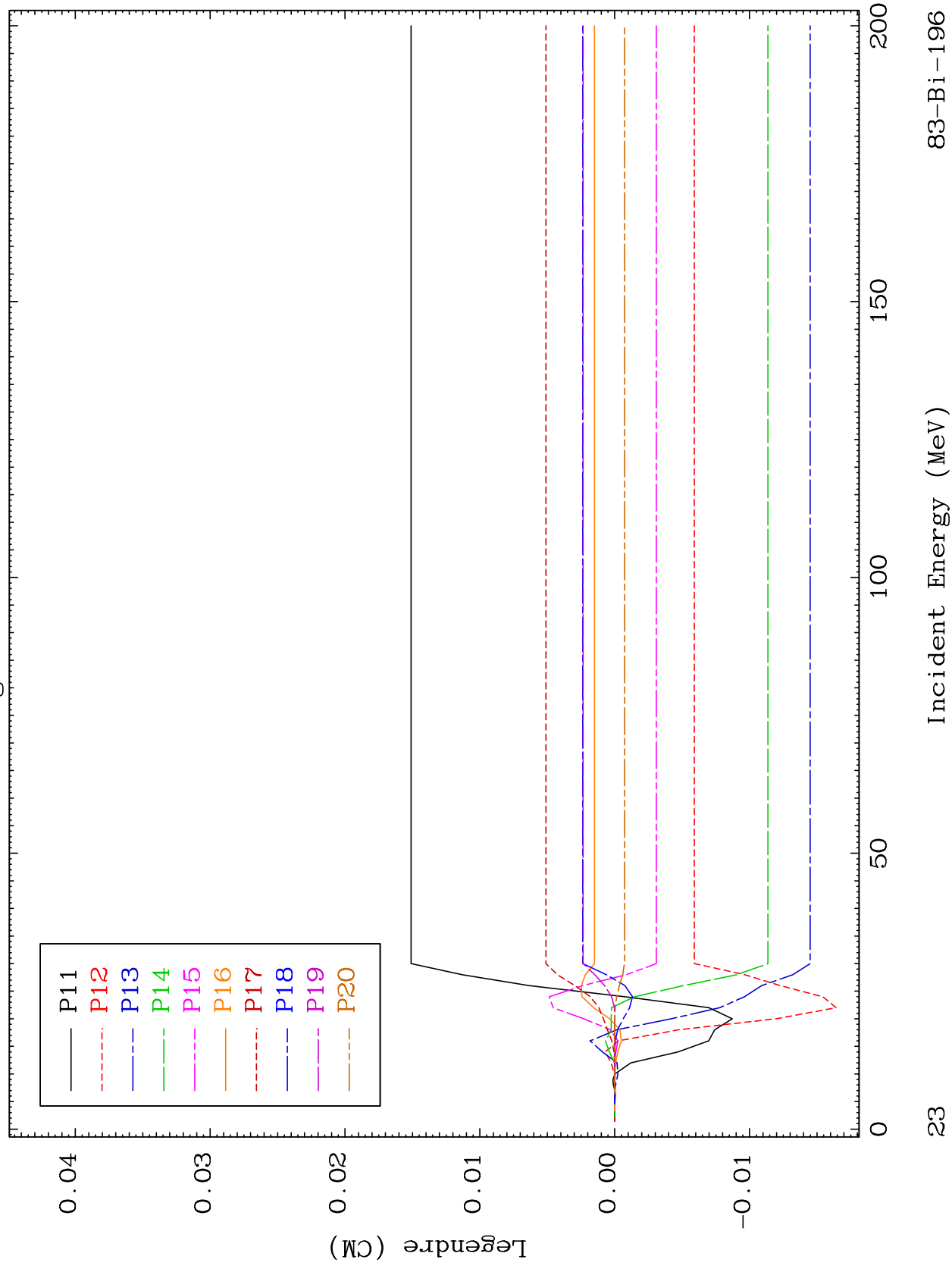
83-Bi-196

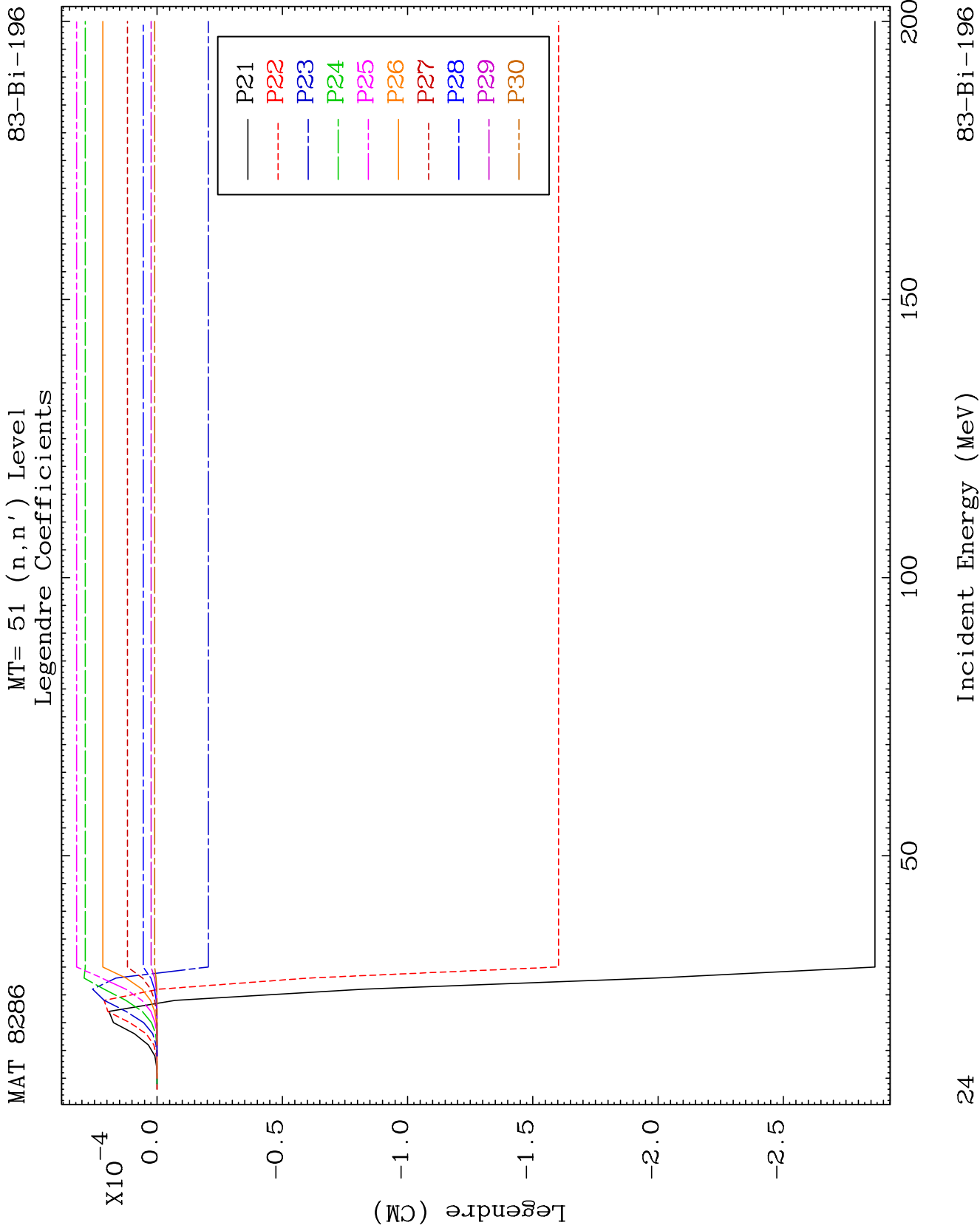


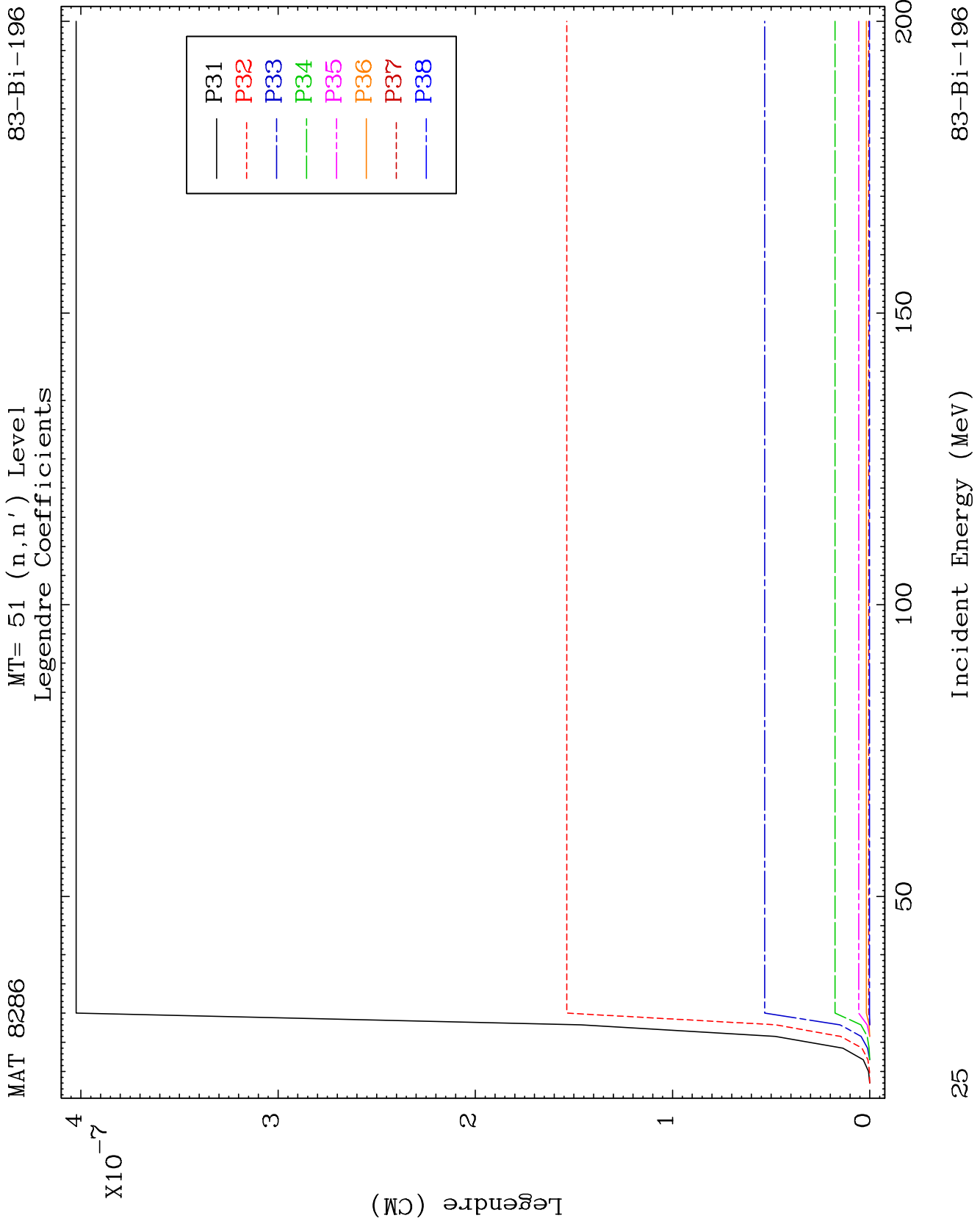
MAT 8286

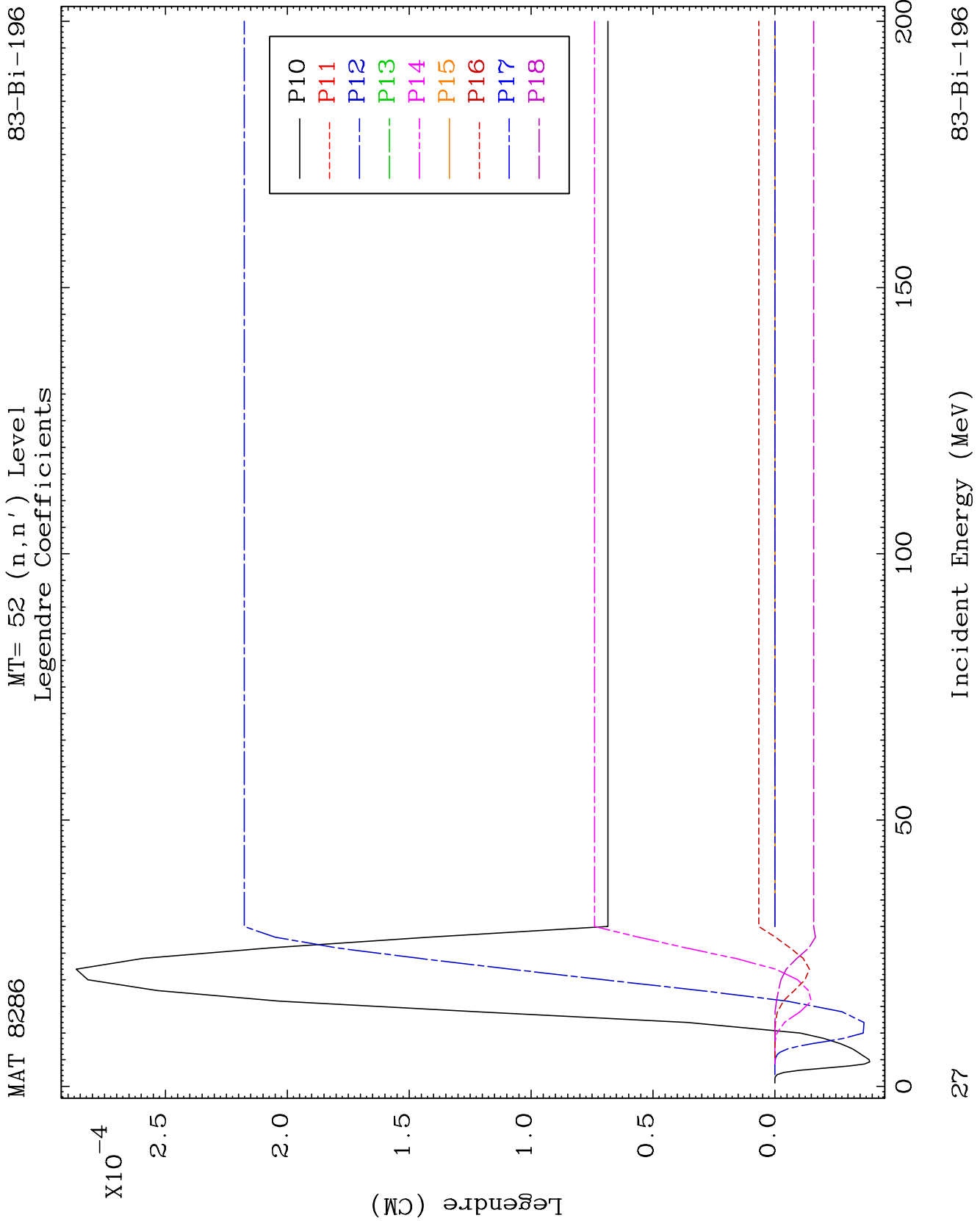
MT= 51 (n, n') Level
Legendre Coefficients

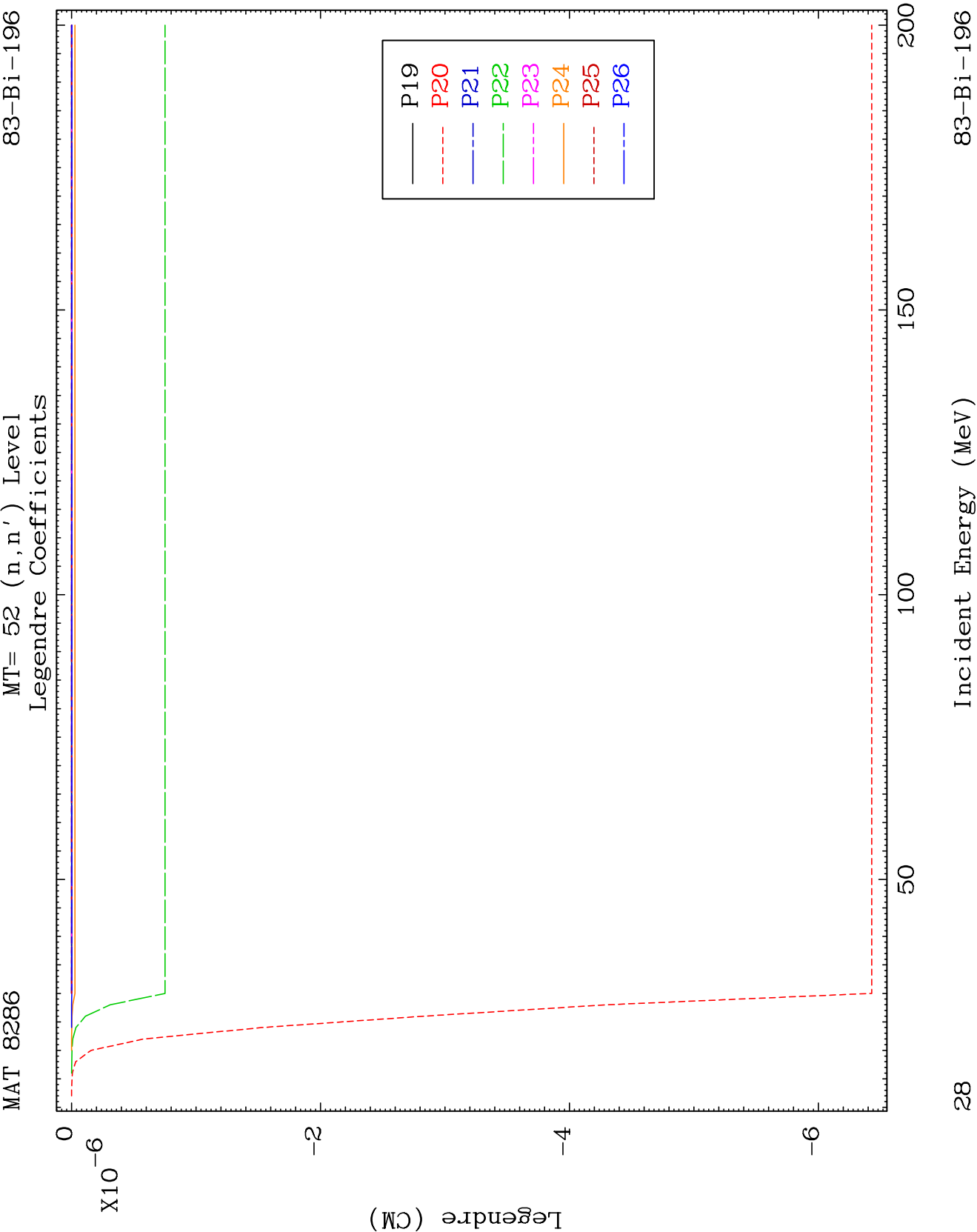
83-Bi-196

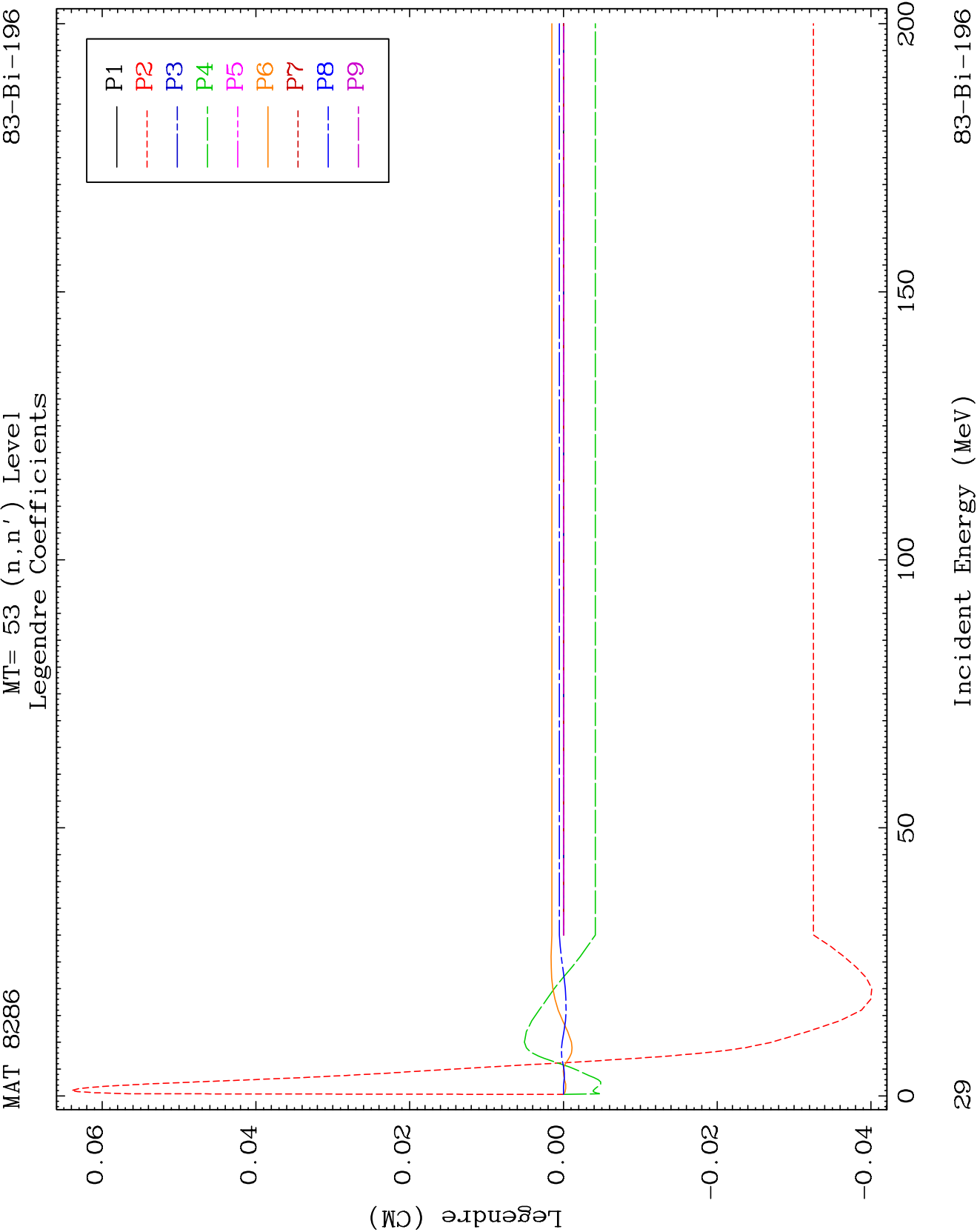








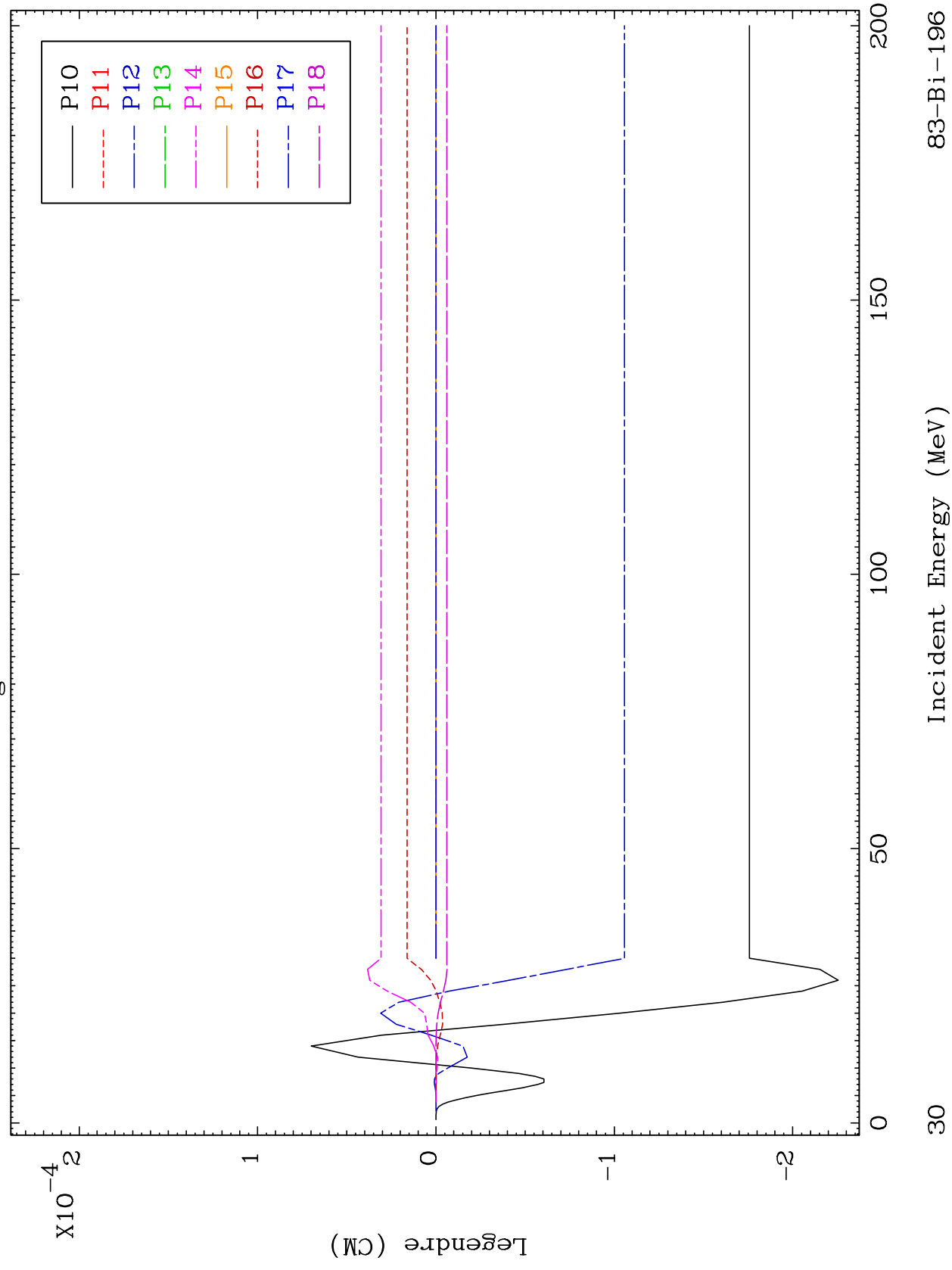


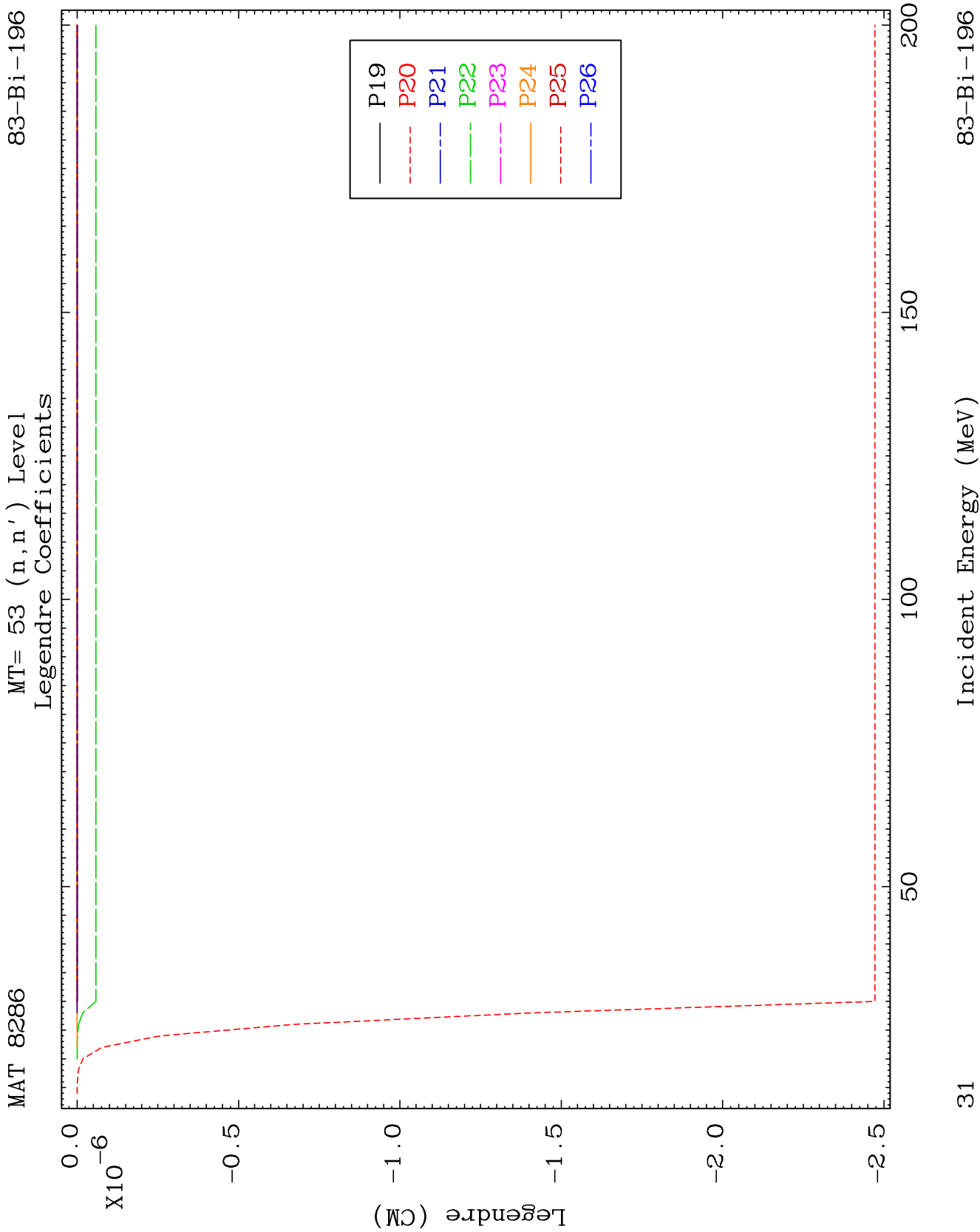


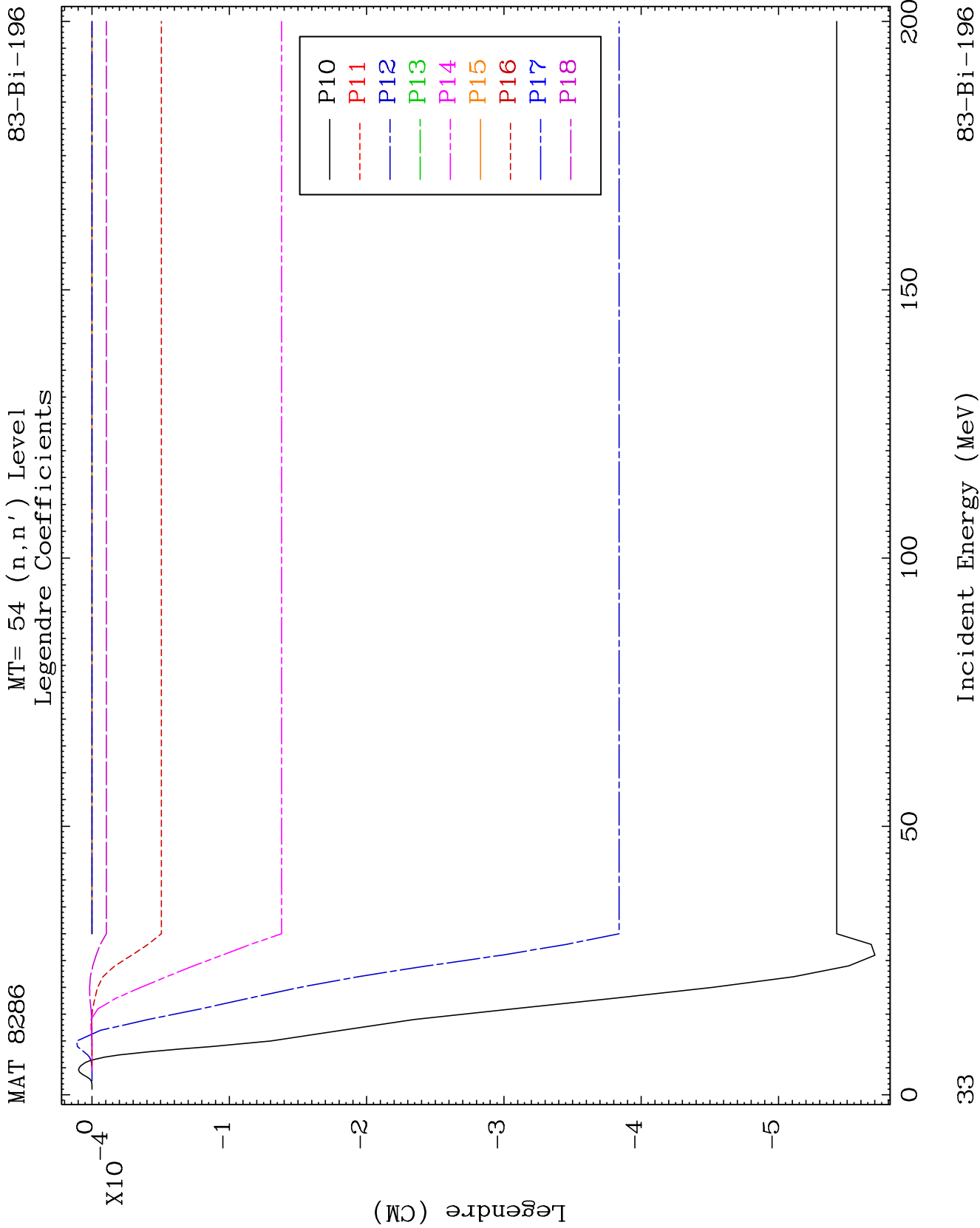
MAT 8286

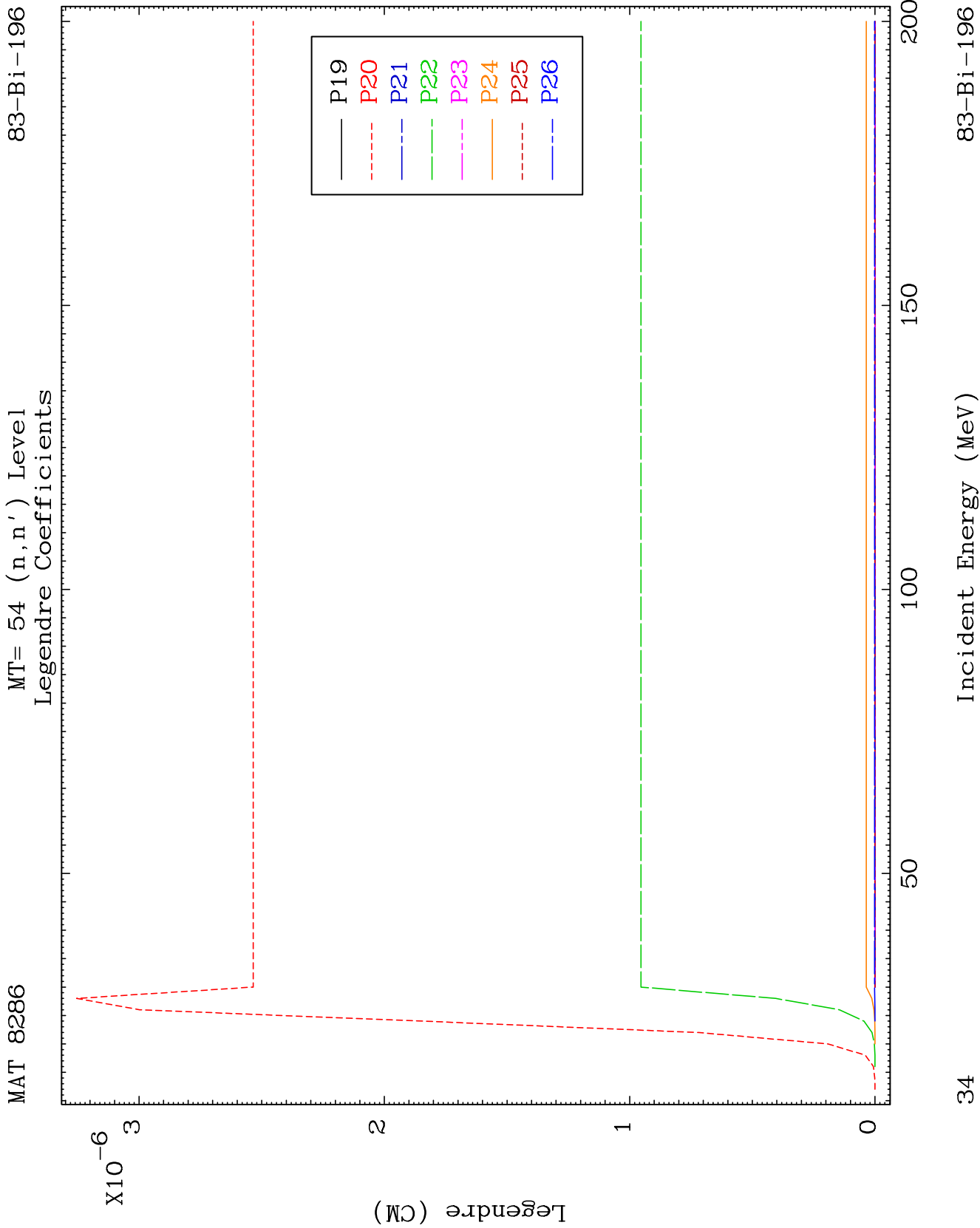
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Legendre Coefficients

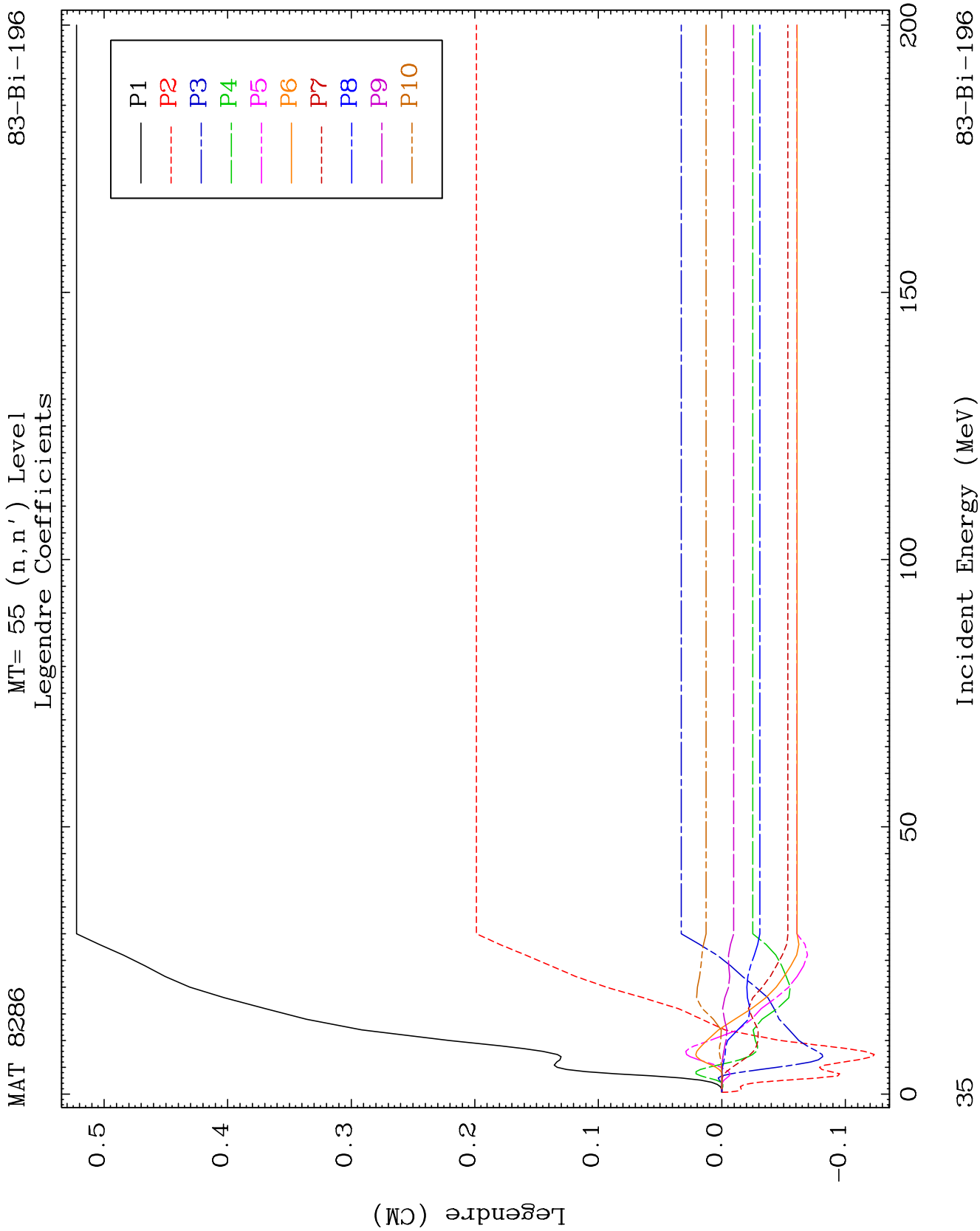
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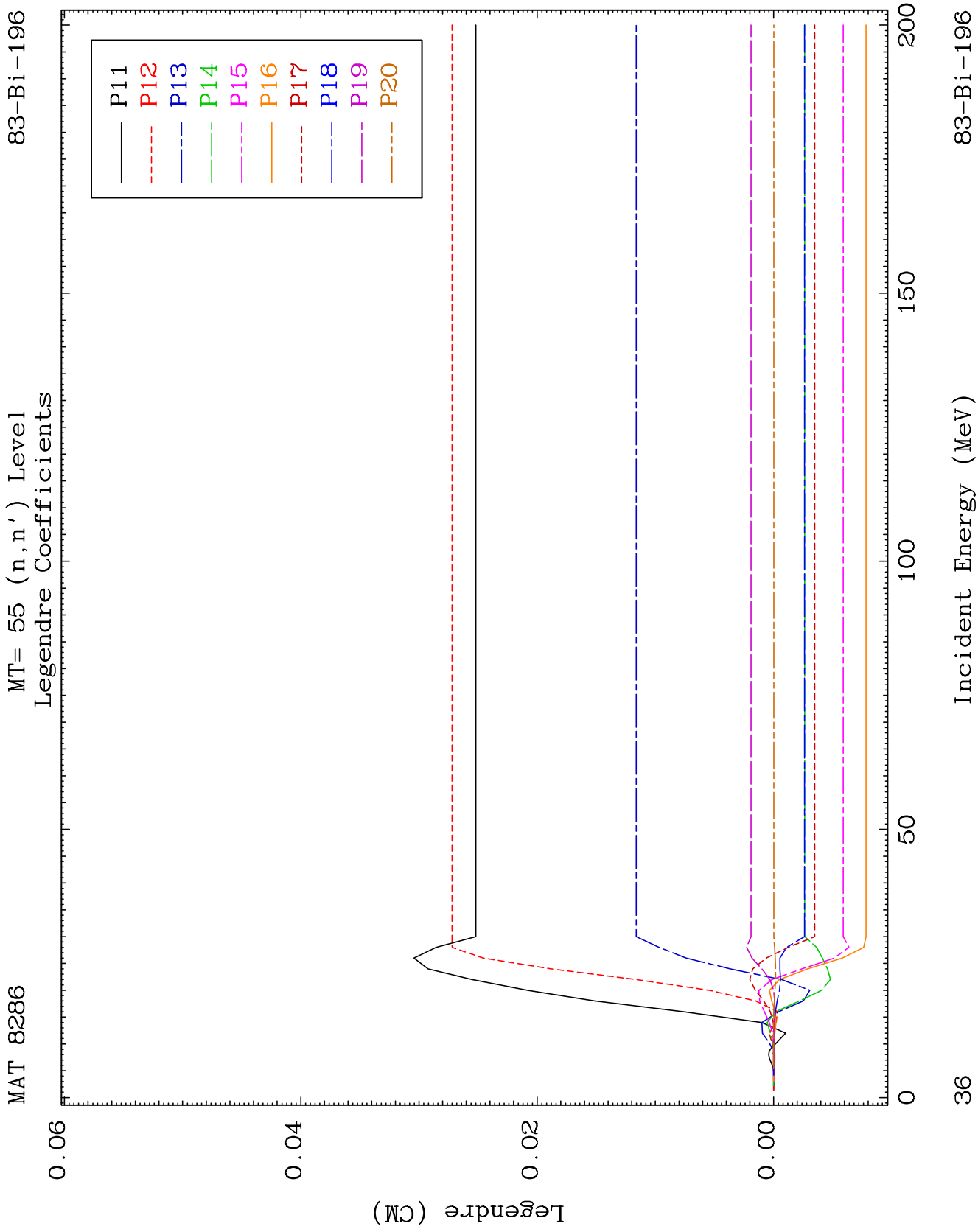








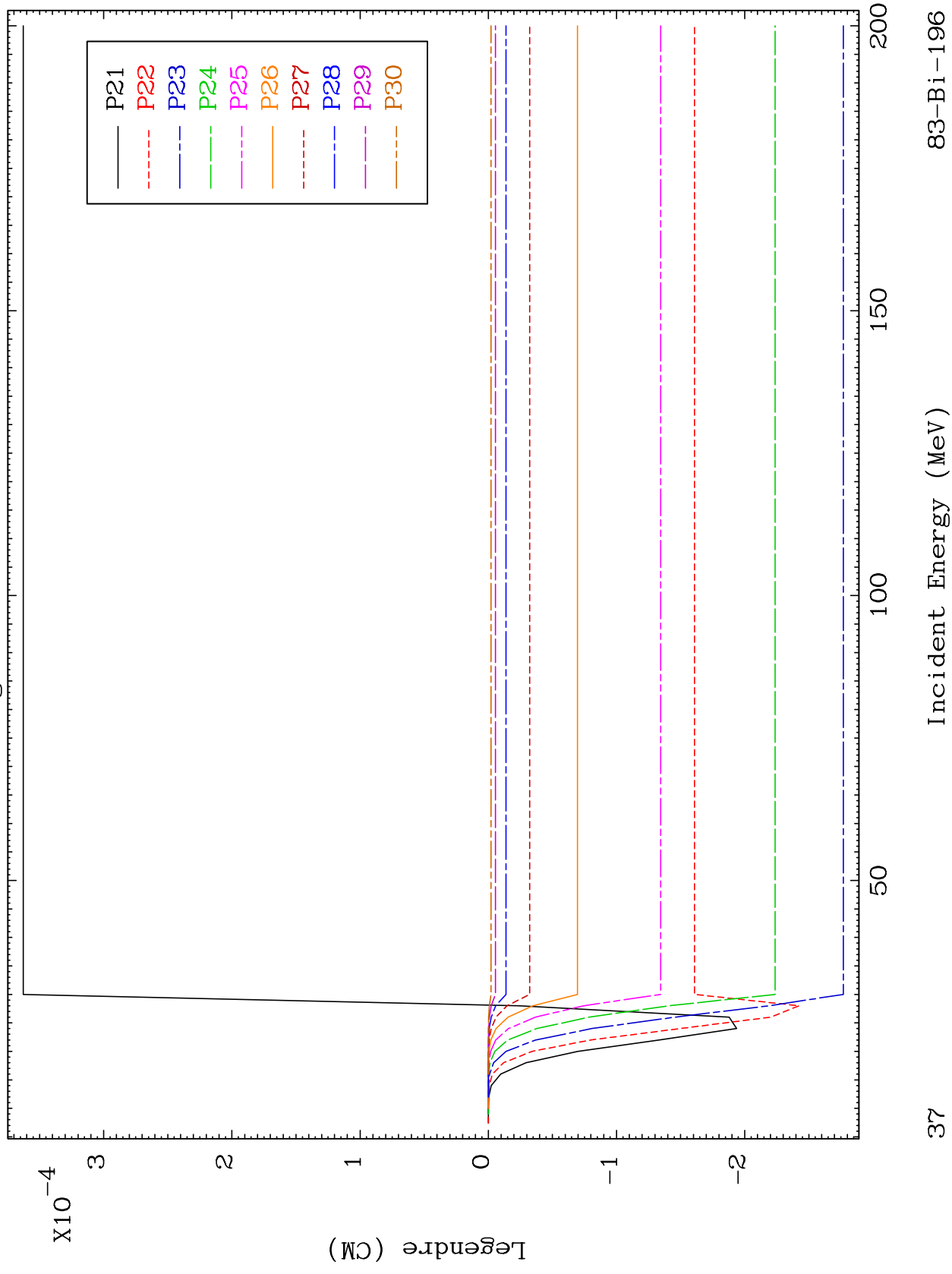




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83-Bi-196

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

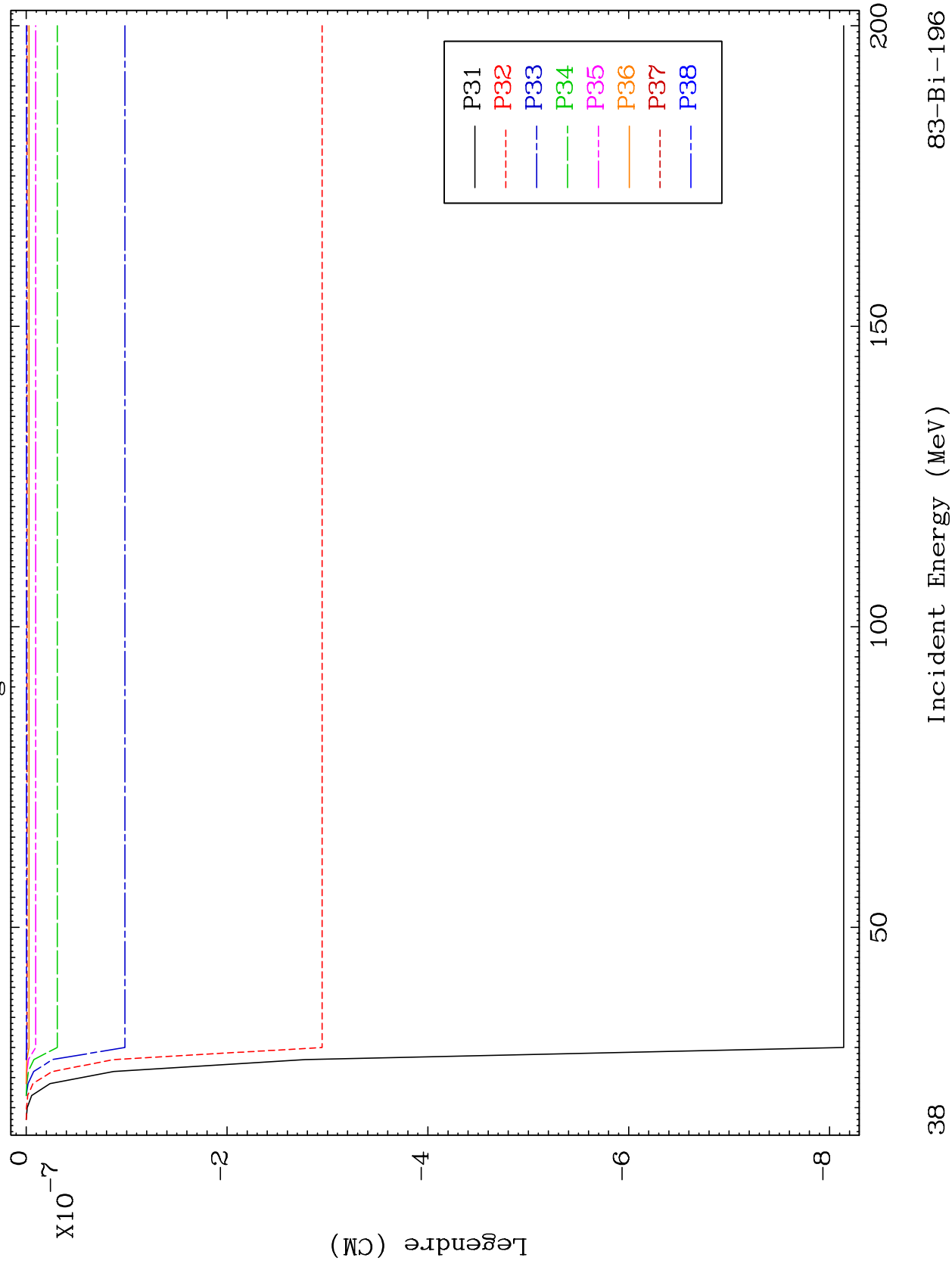


MAT 8286

MT= 55 (n, n') Level

83-Bi-196

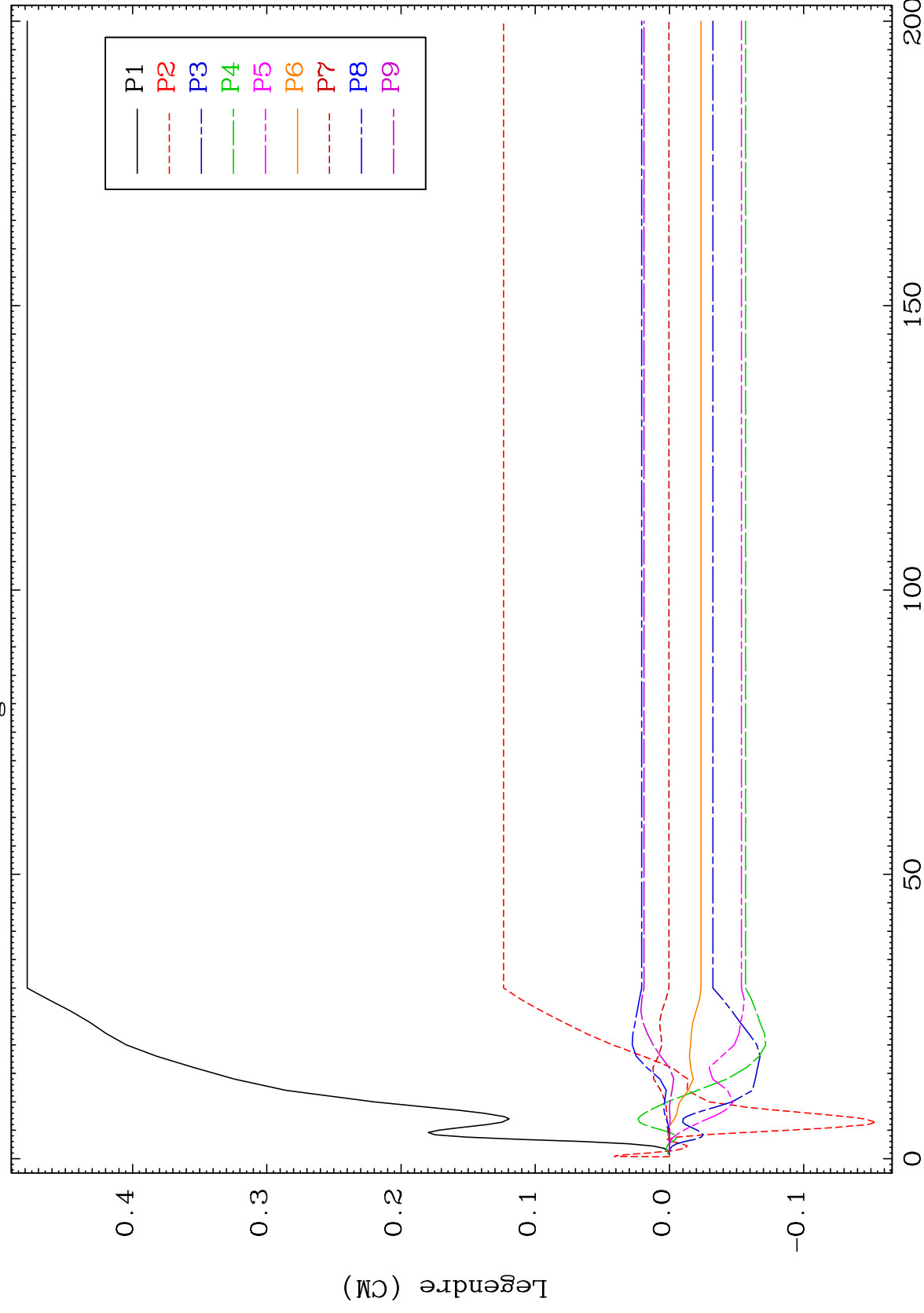
Legendre Coefficients



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

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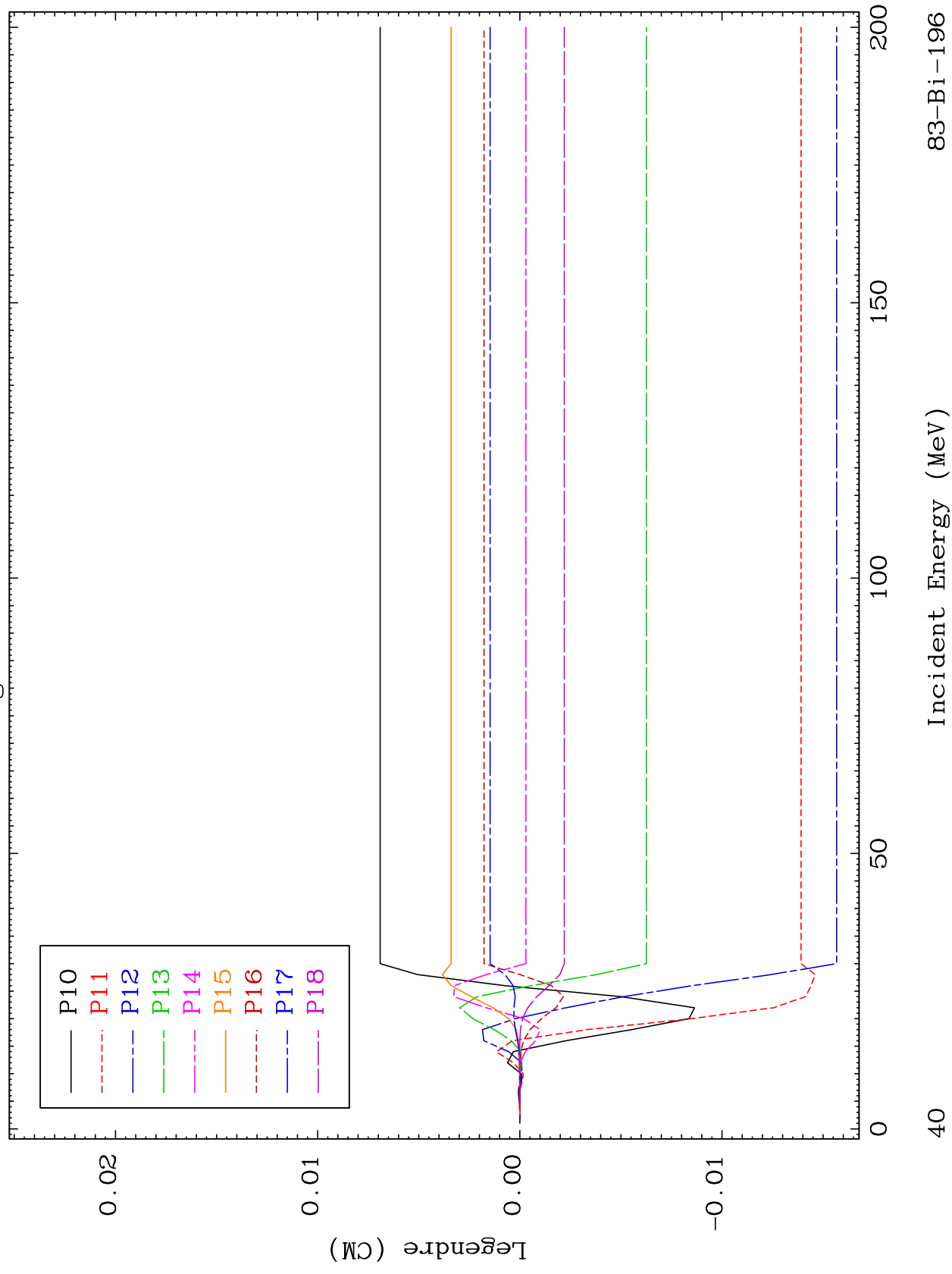
Incident Energy (MeV)

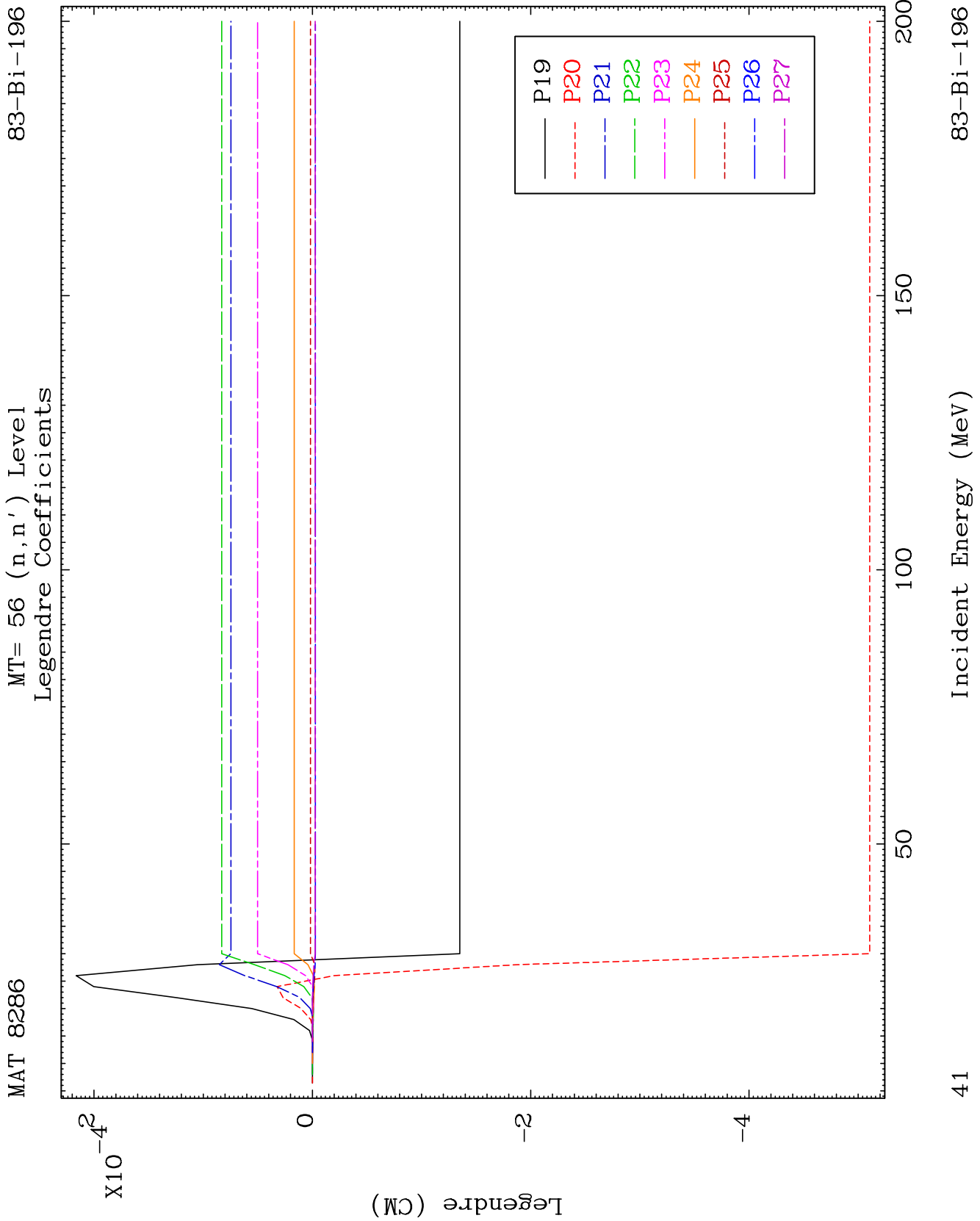
83-Bi-196

MAT 8286

83-Bi-196

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

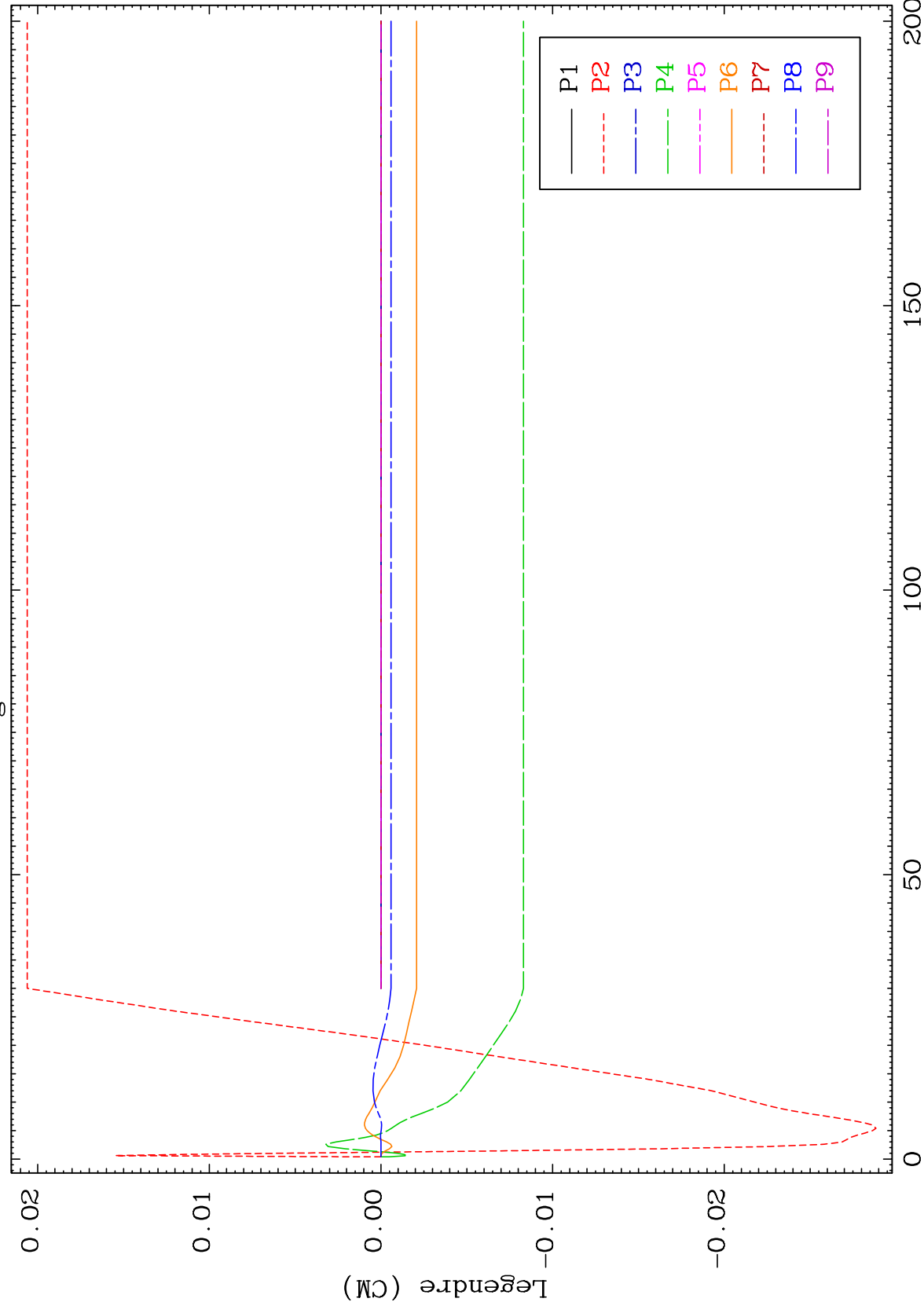




MAT 8286

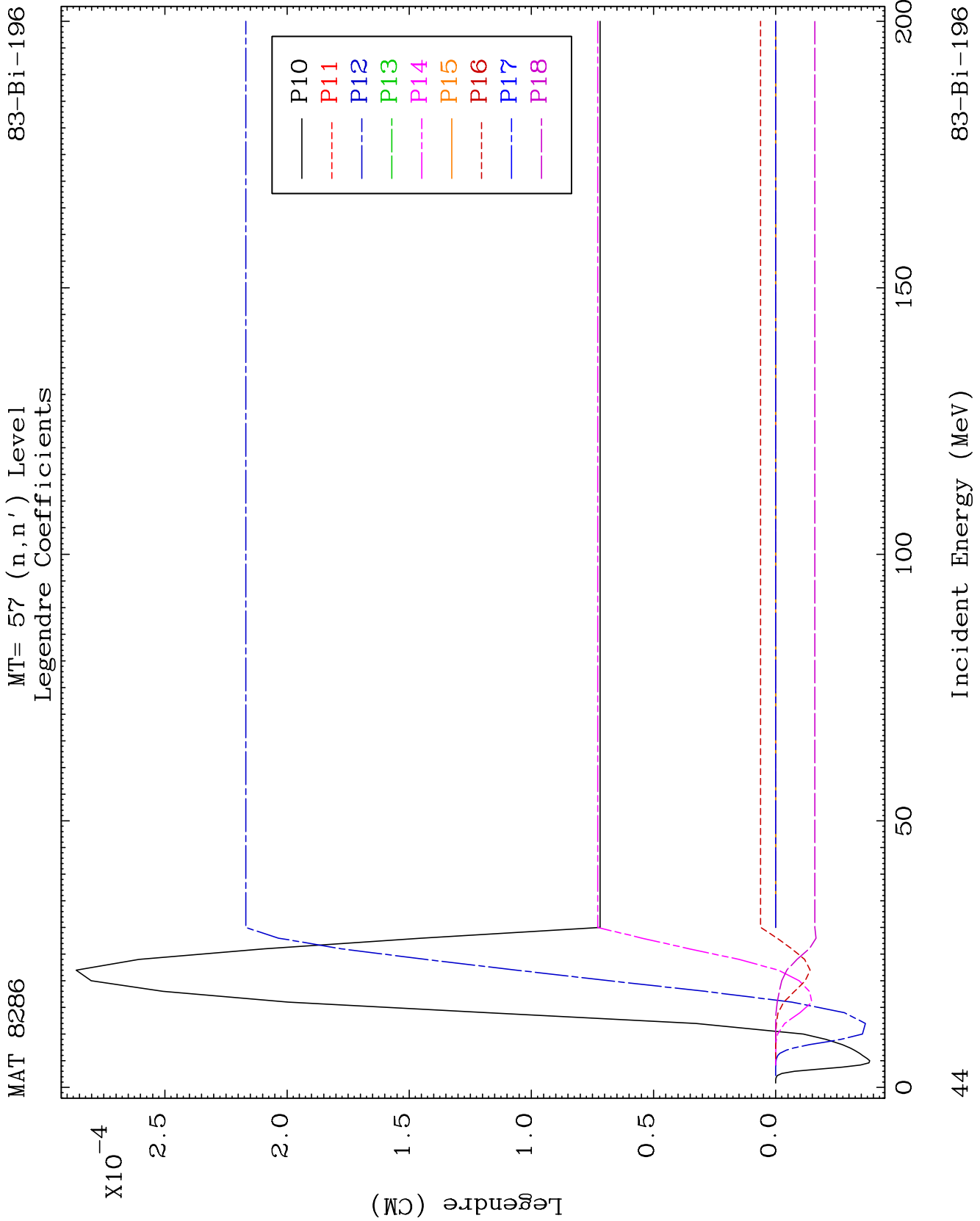
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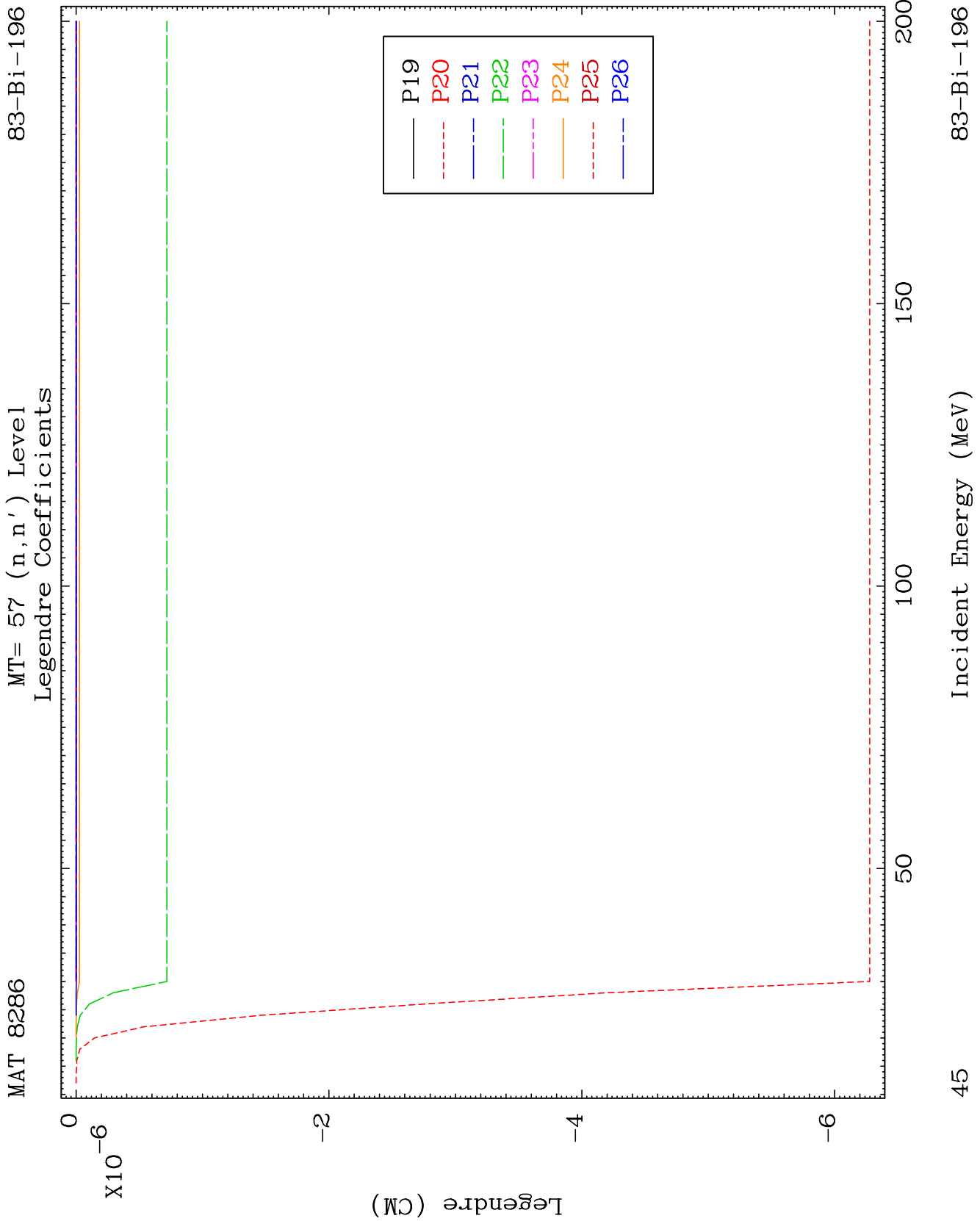
MT= 57 (n, n') Level
Legendre Coefficients



83-Bi-196

Incident Energy (MeV)

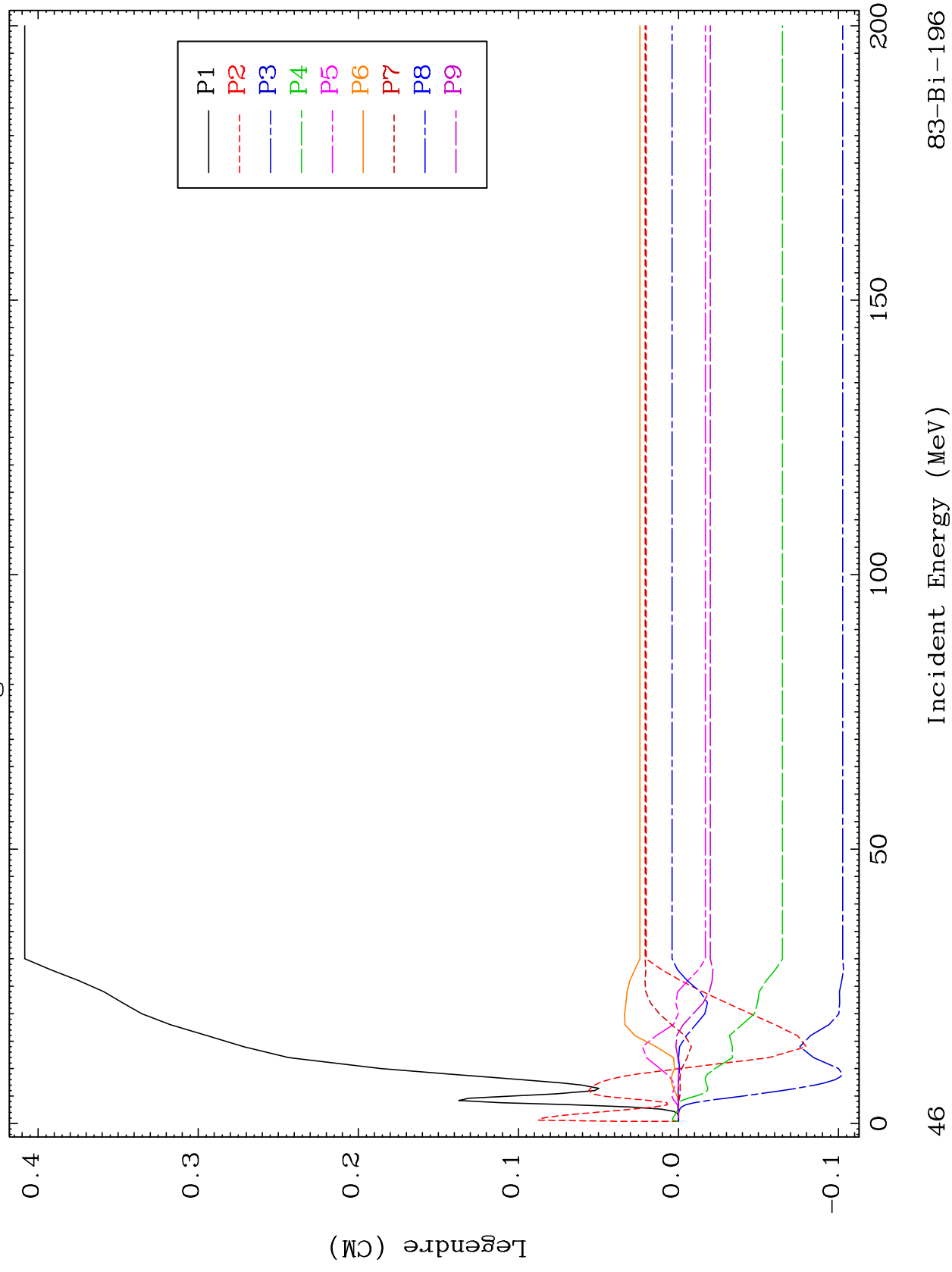




MAT 8286

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

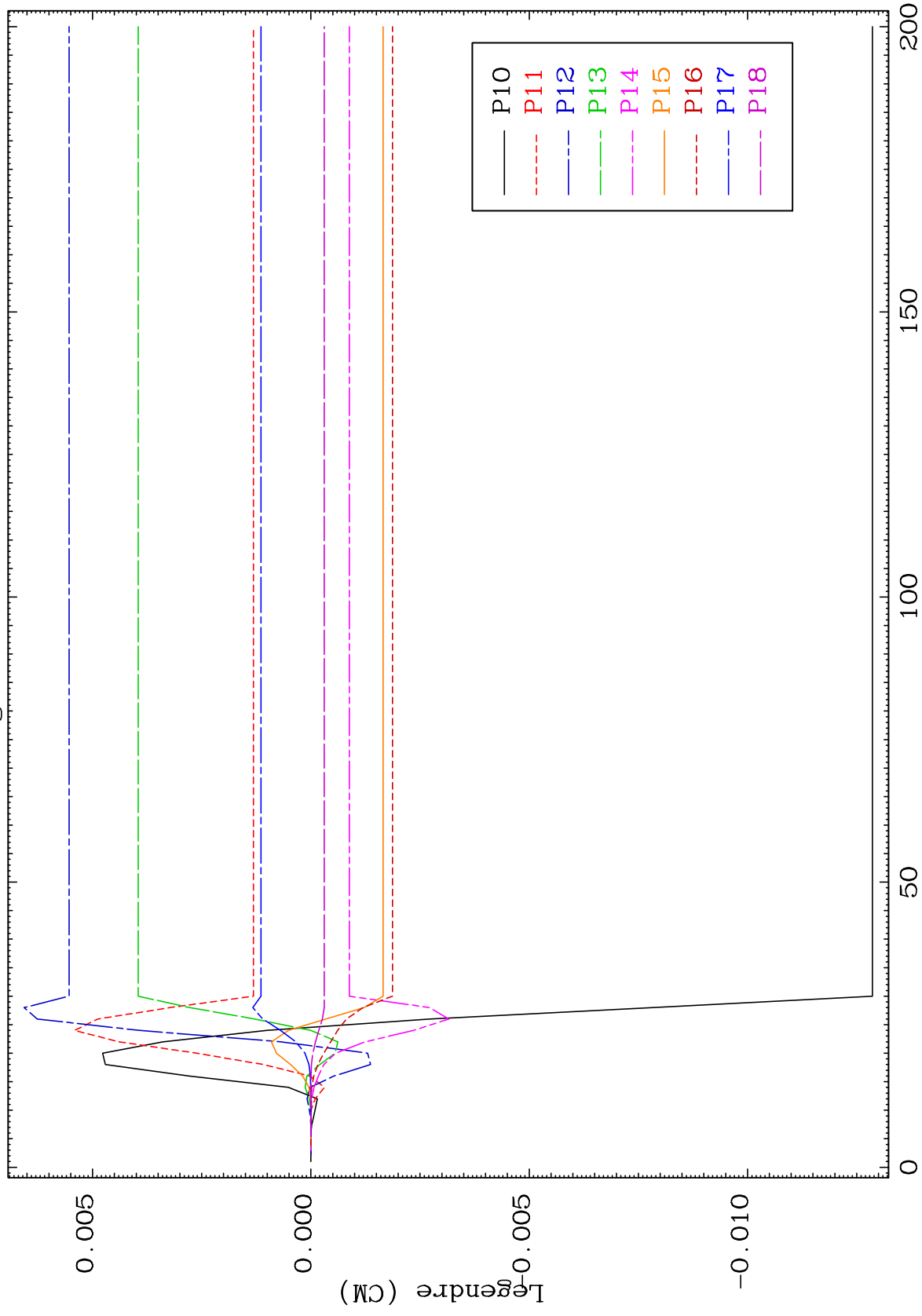
83-Bi-196



MAT 8286

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

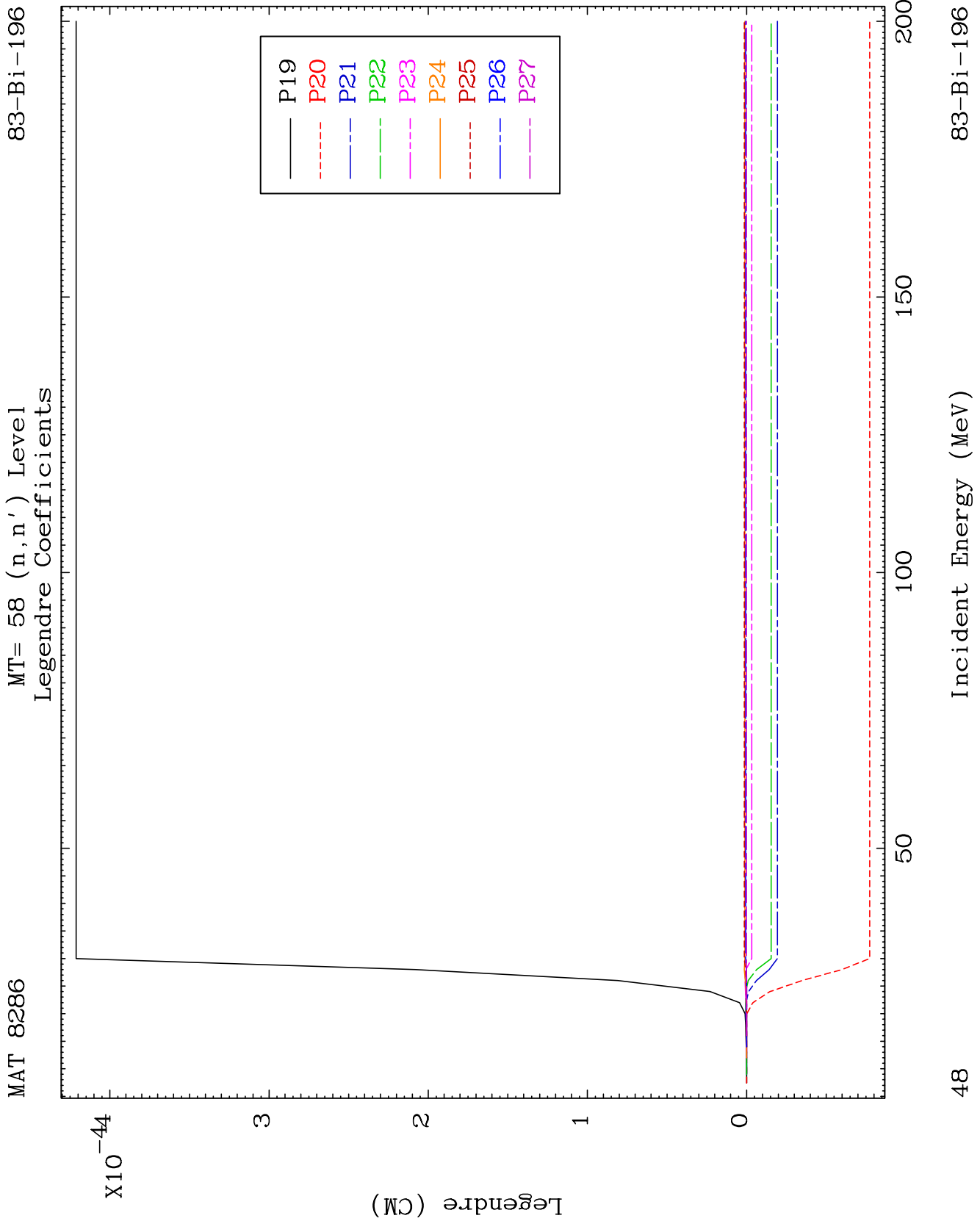
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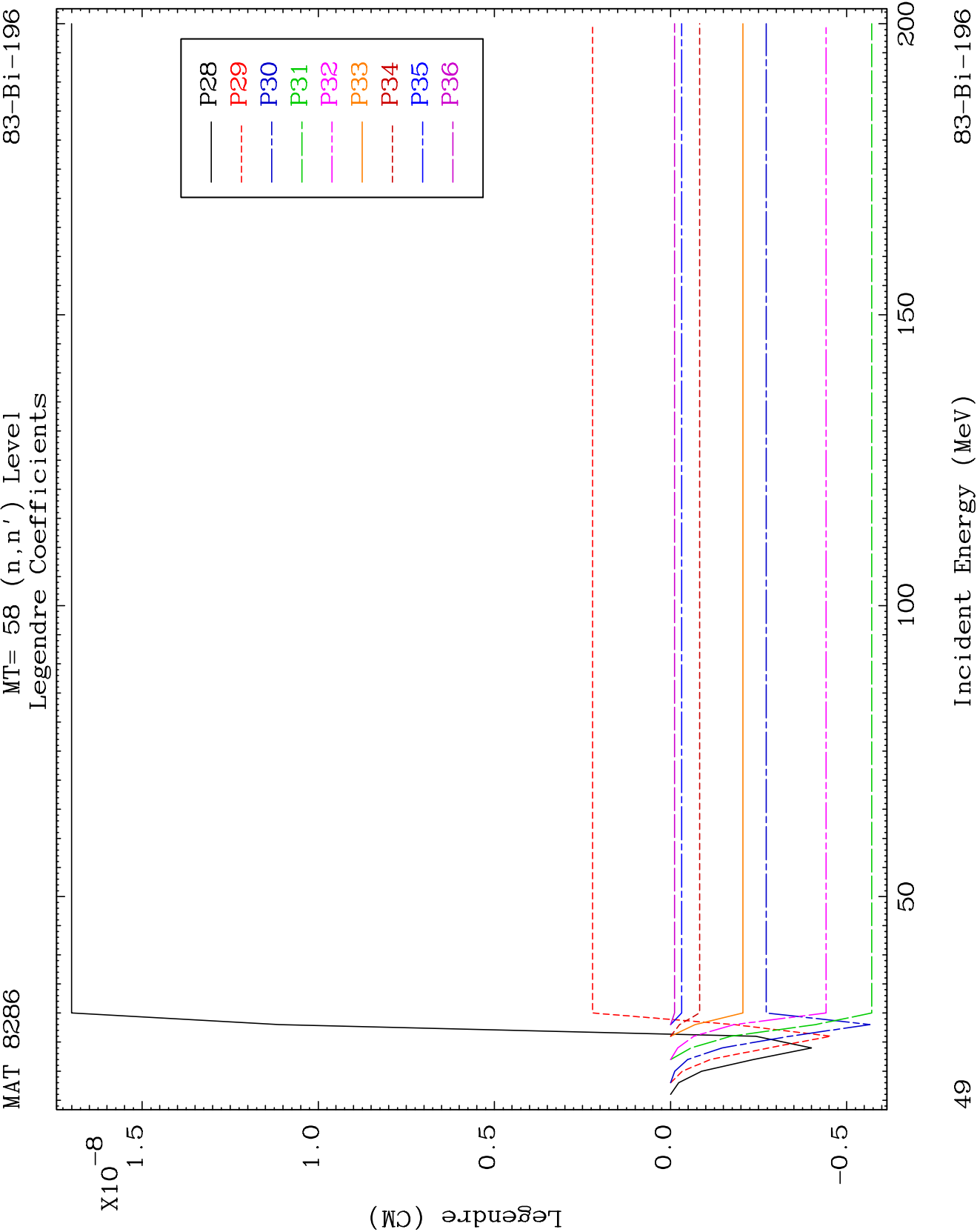


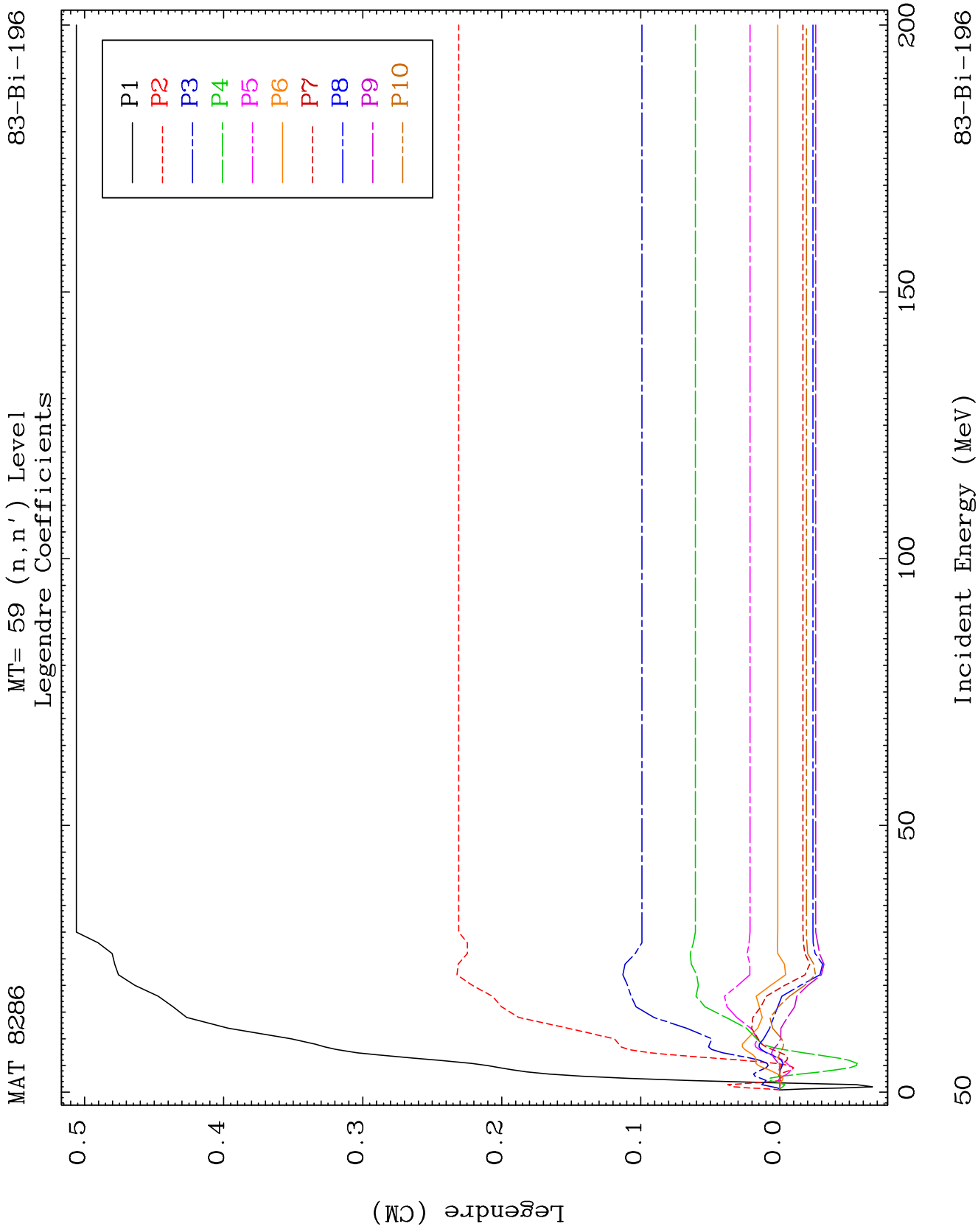
47

Incident Energy (MeV)

83-Bi-196



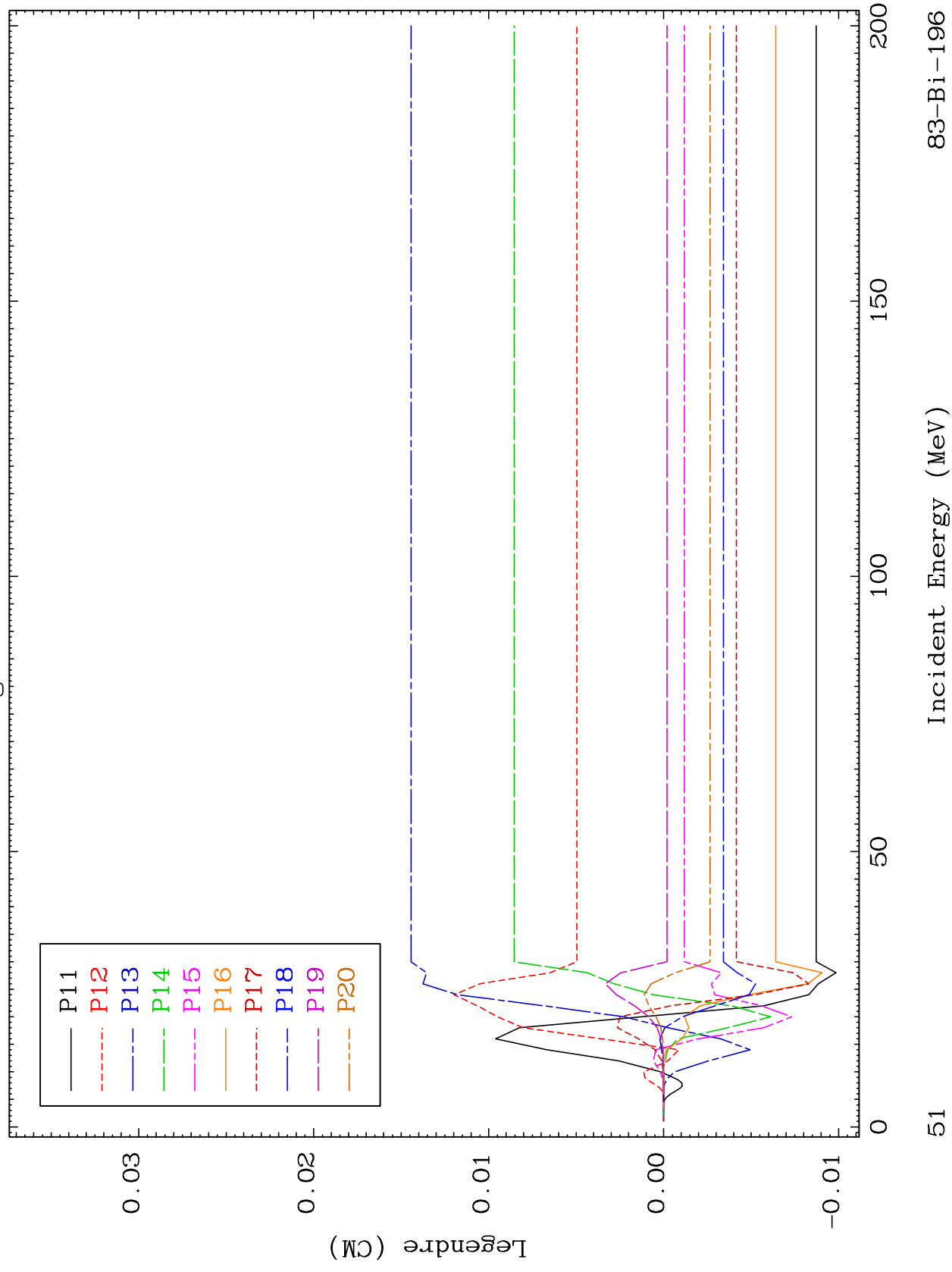


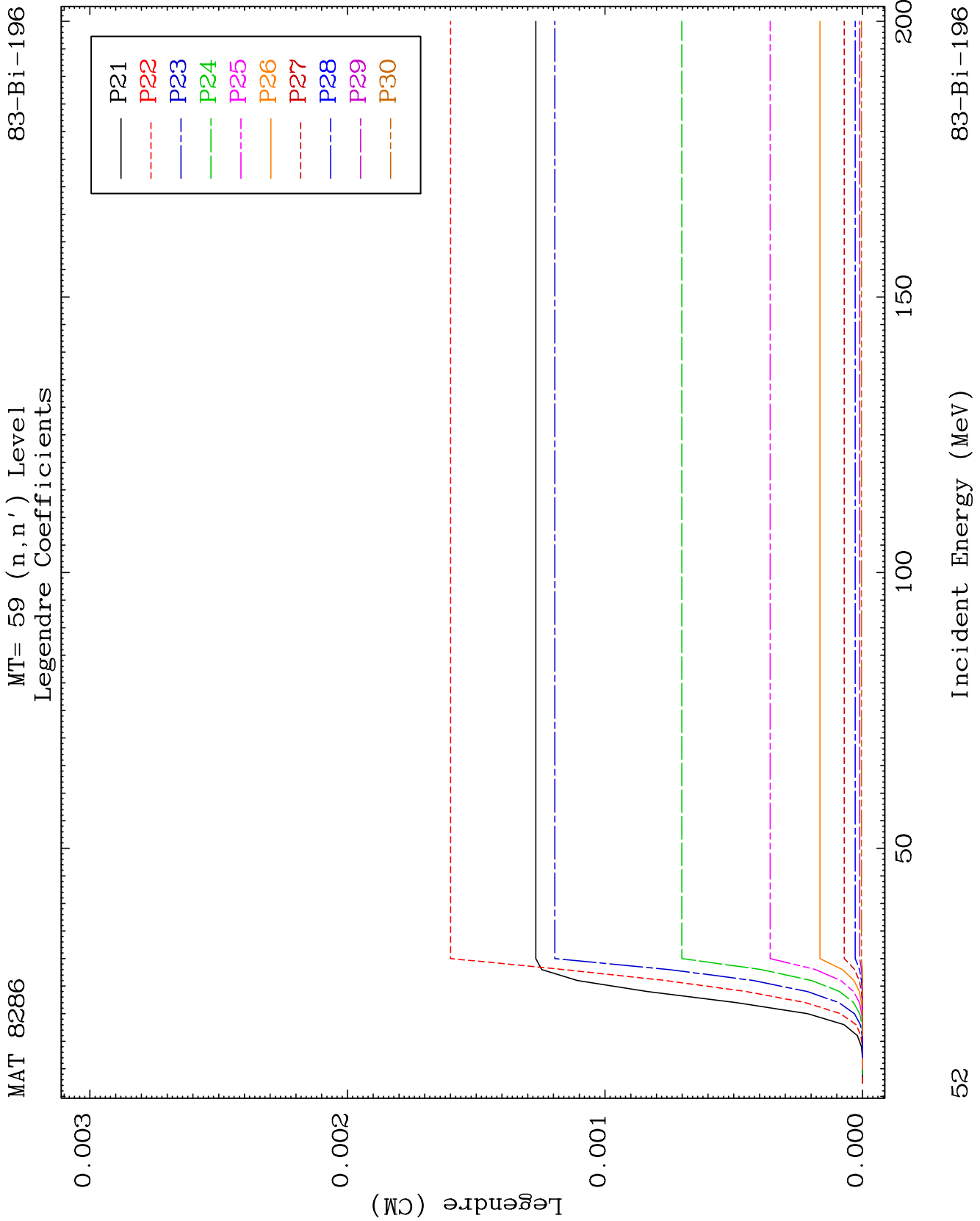


MAT 8286

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

83-Bi-196

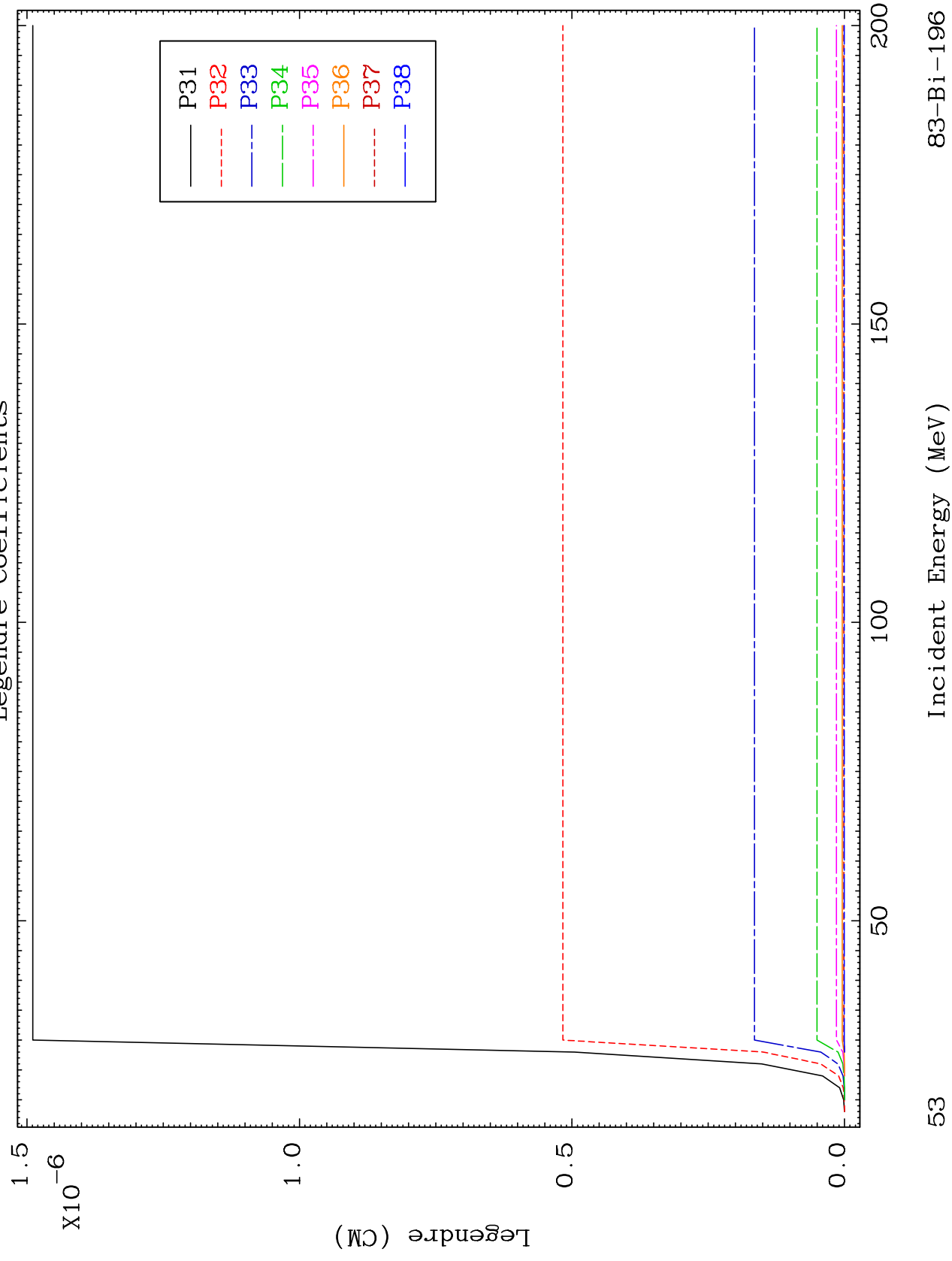




MAT 8286

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

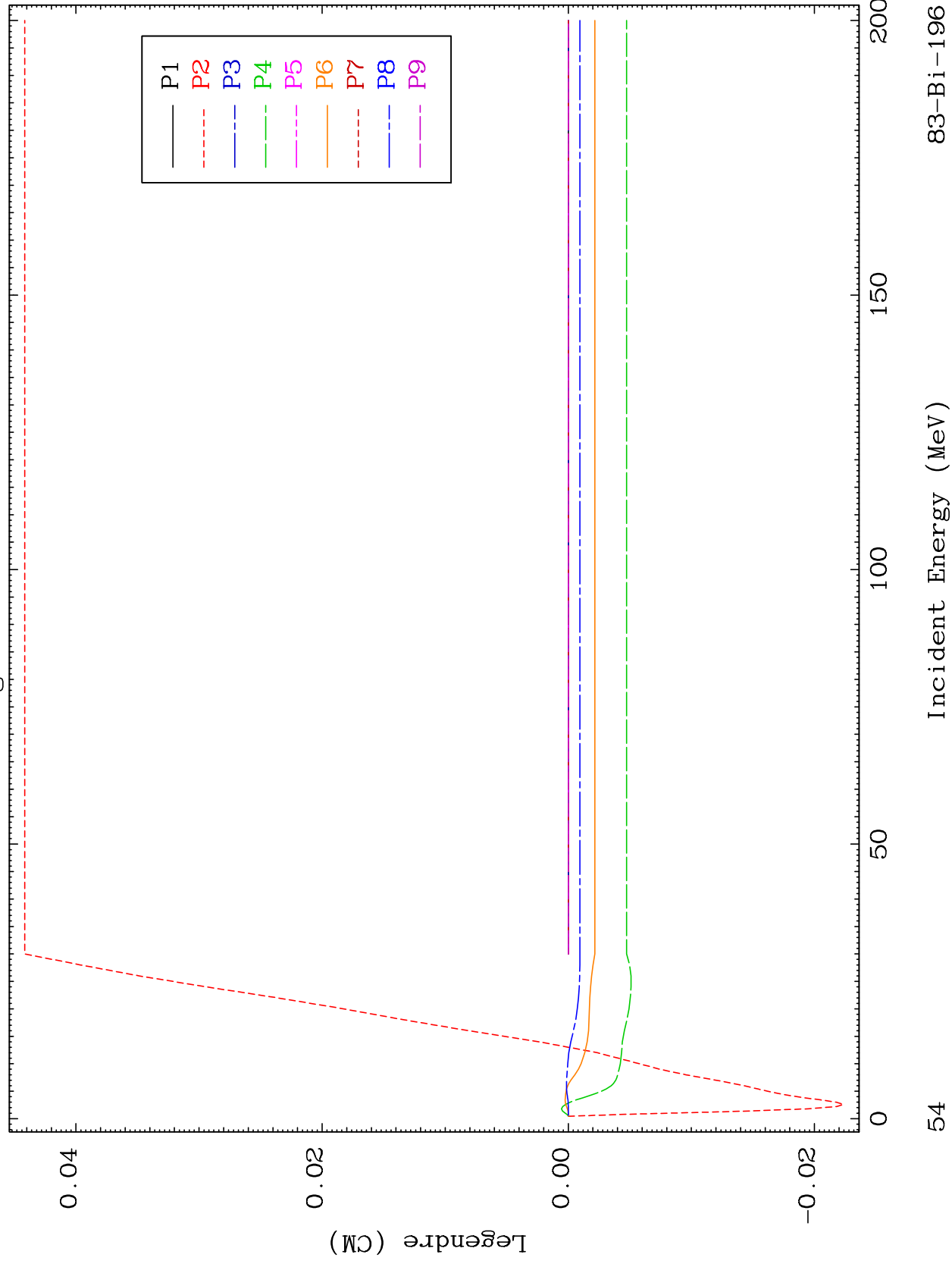
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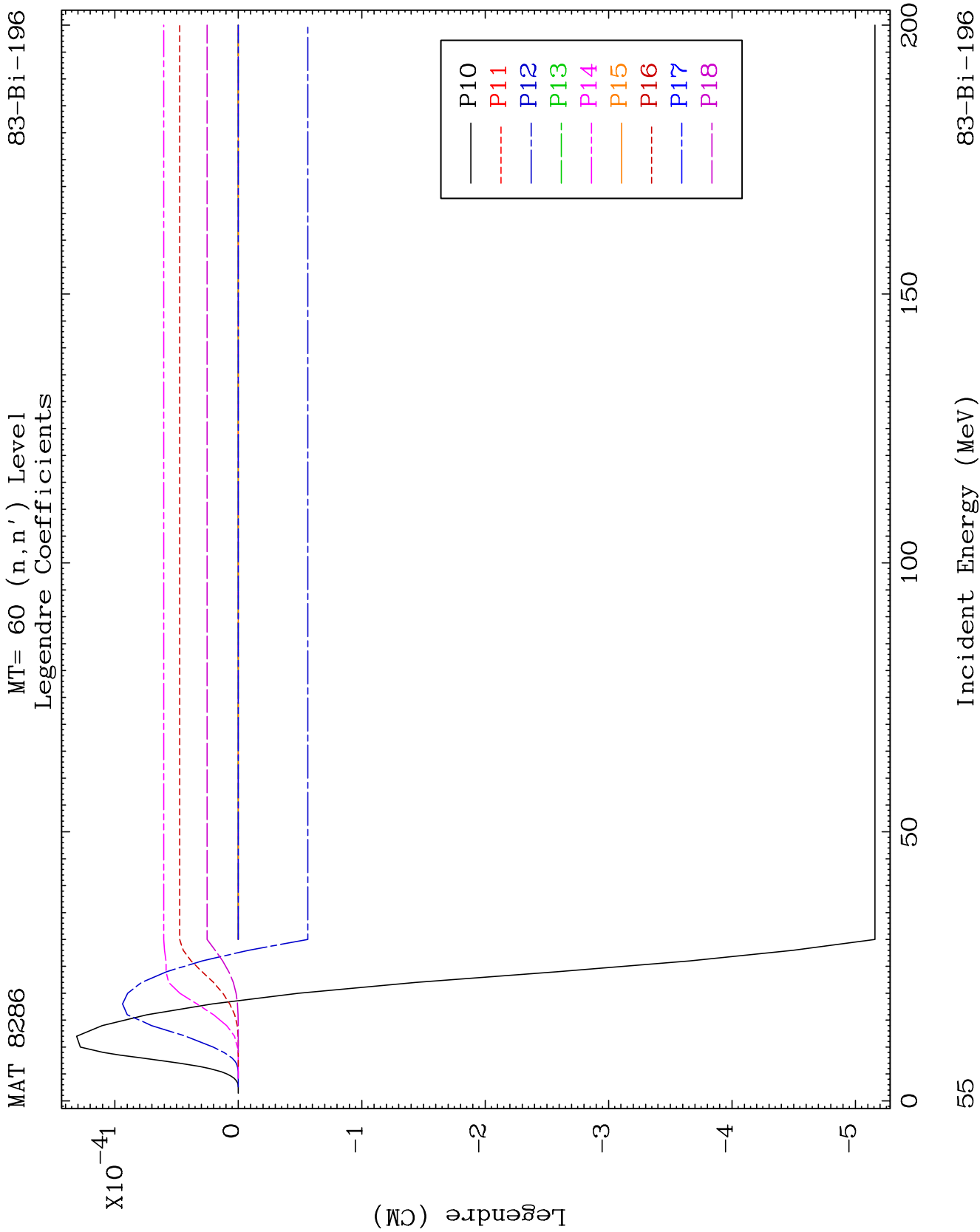


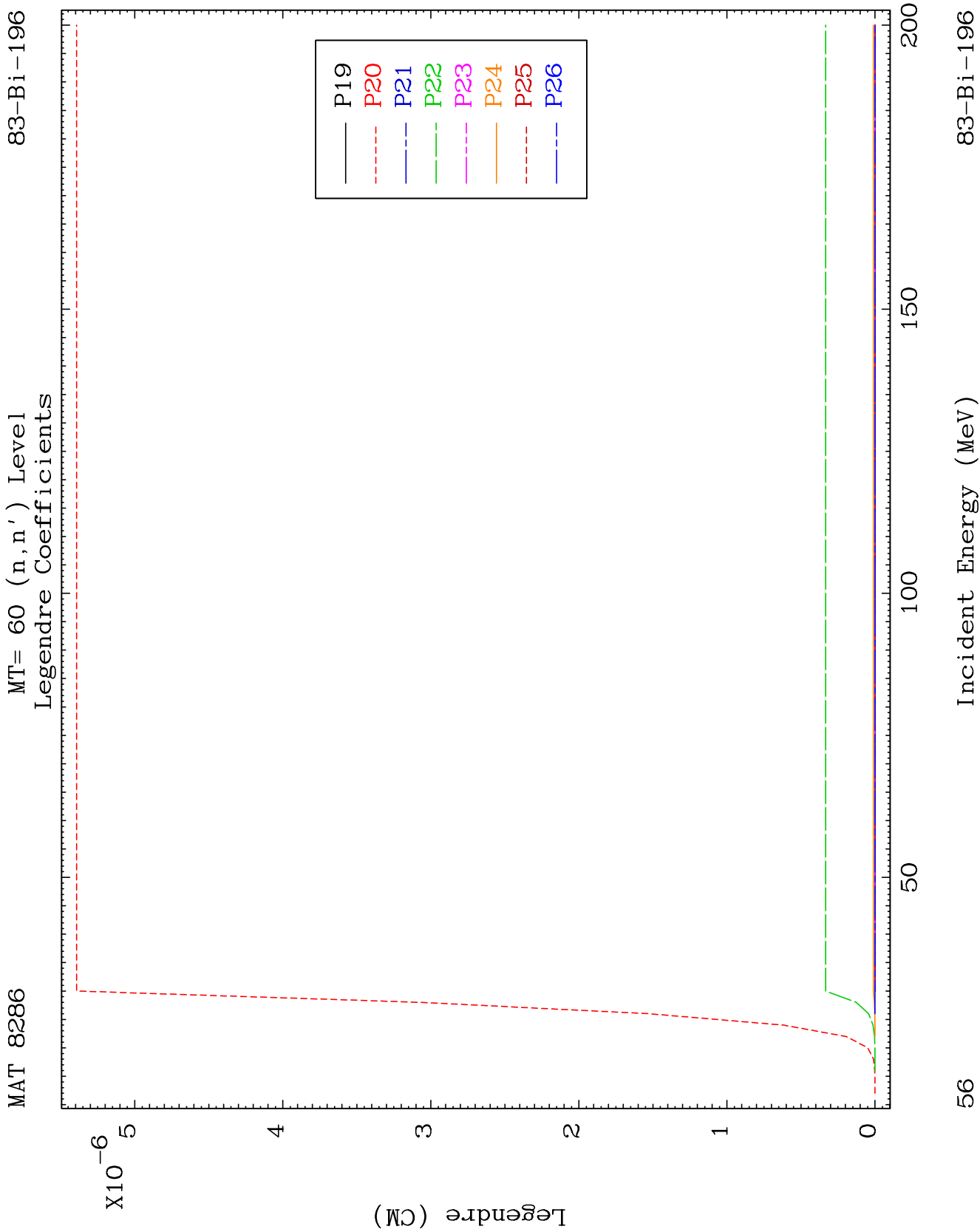
MAT 8286

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

83-Bi-196



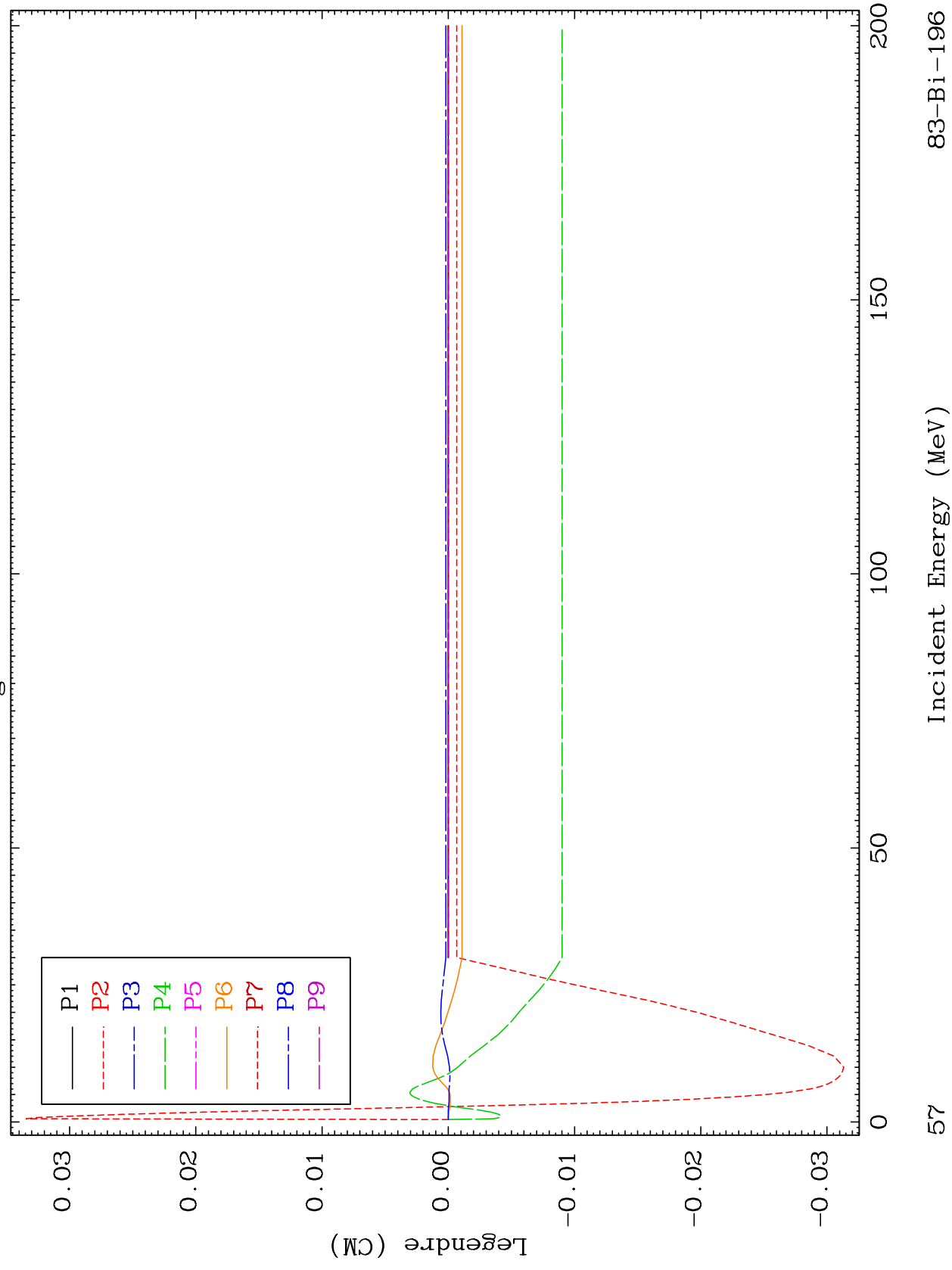


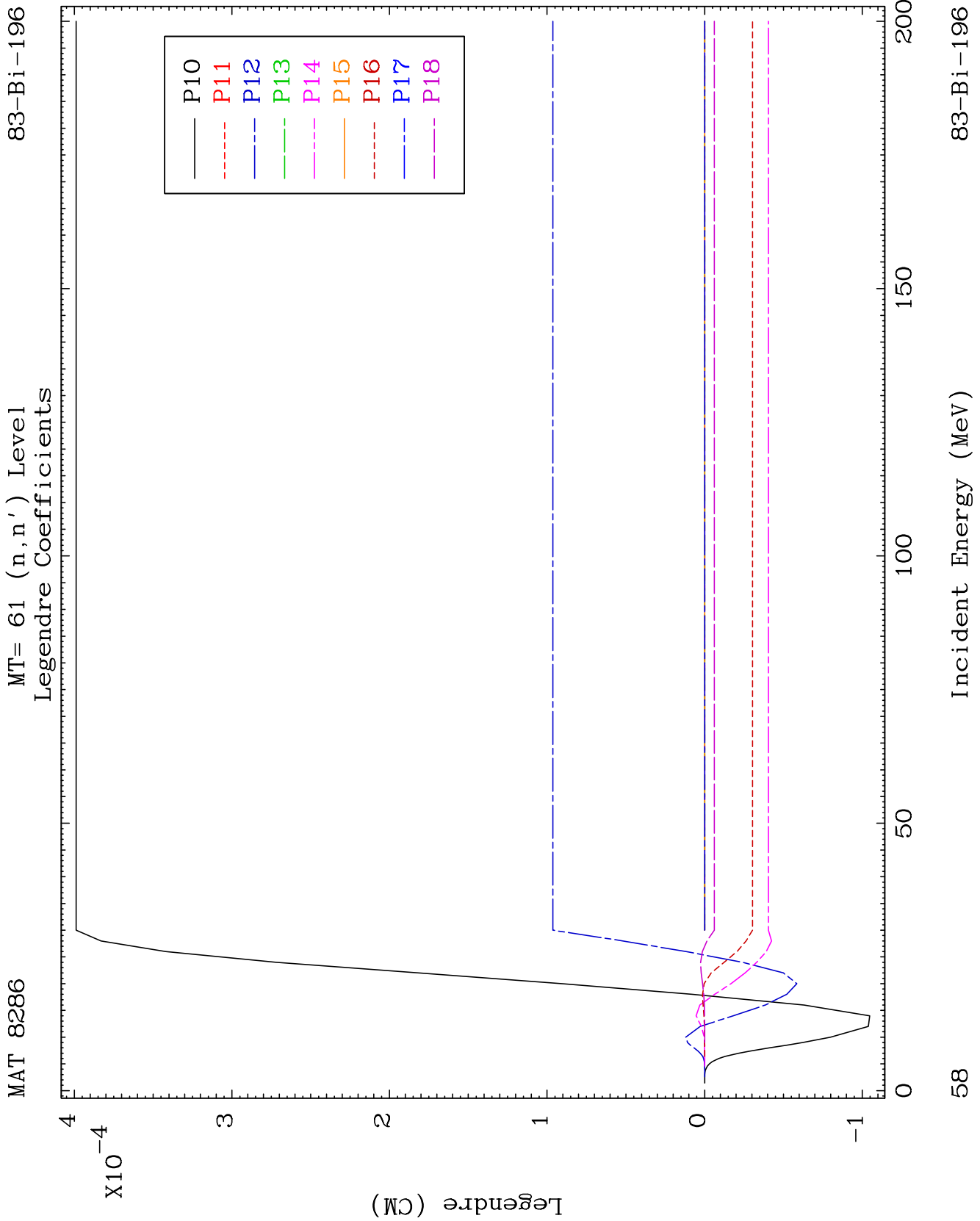


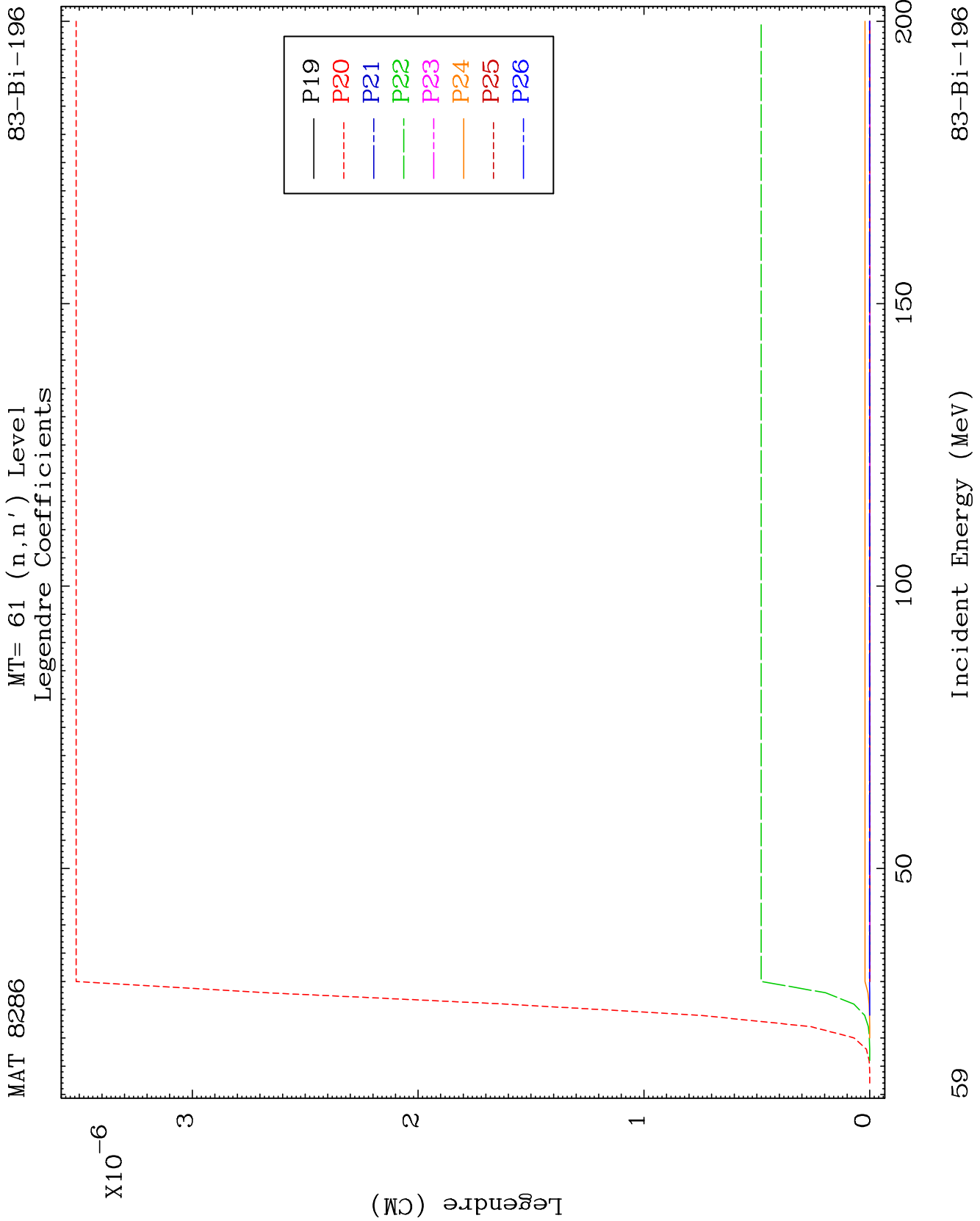
MAT 8286

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

83-Bi-196



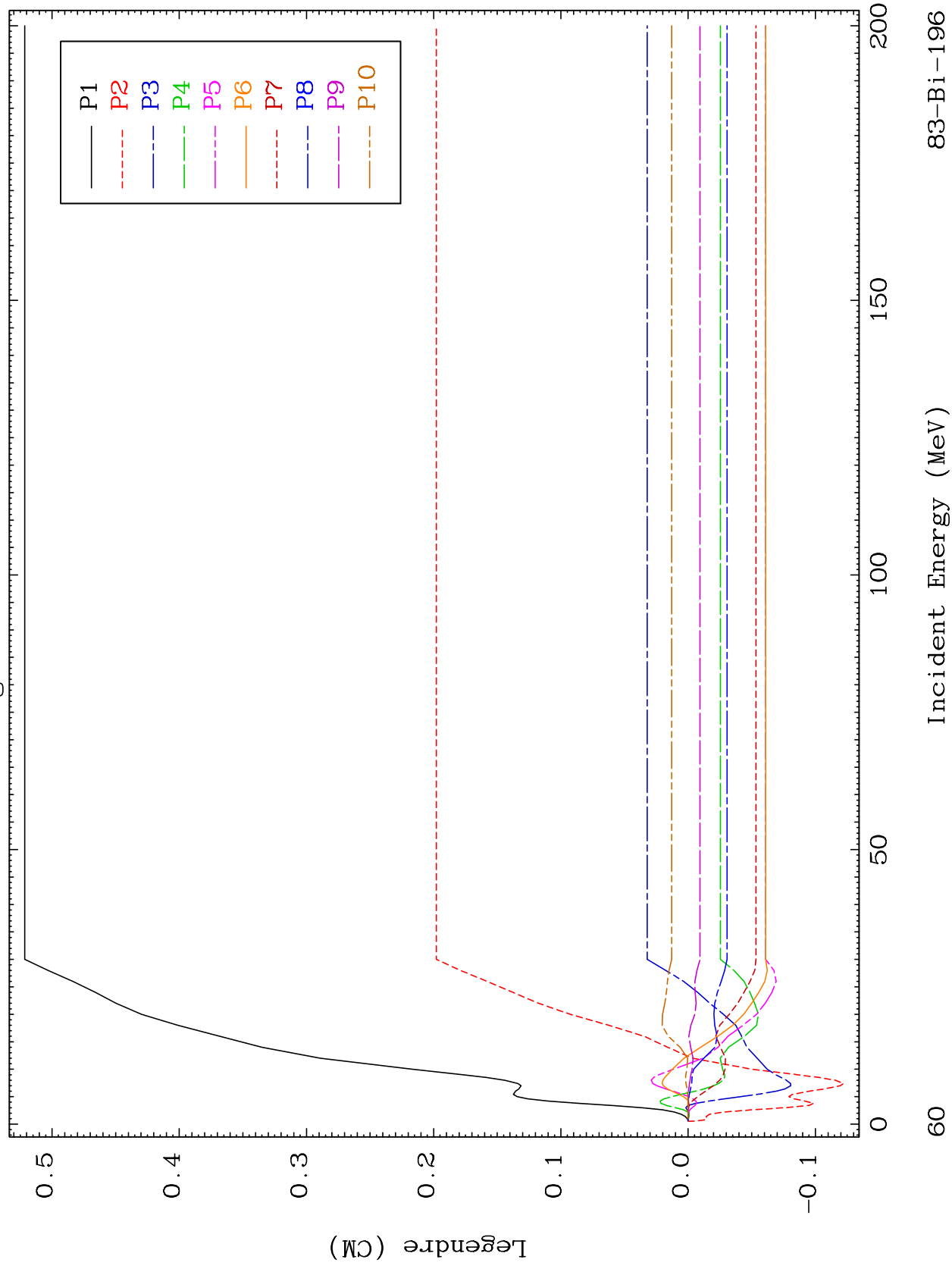


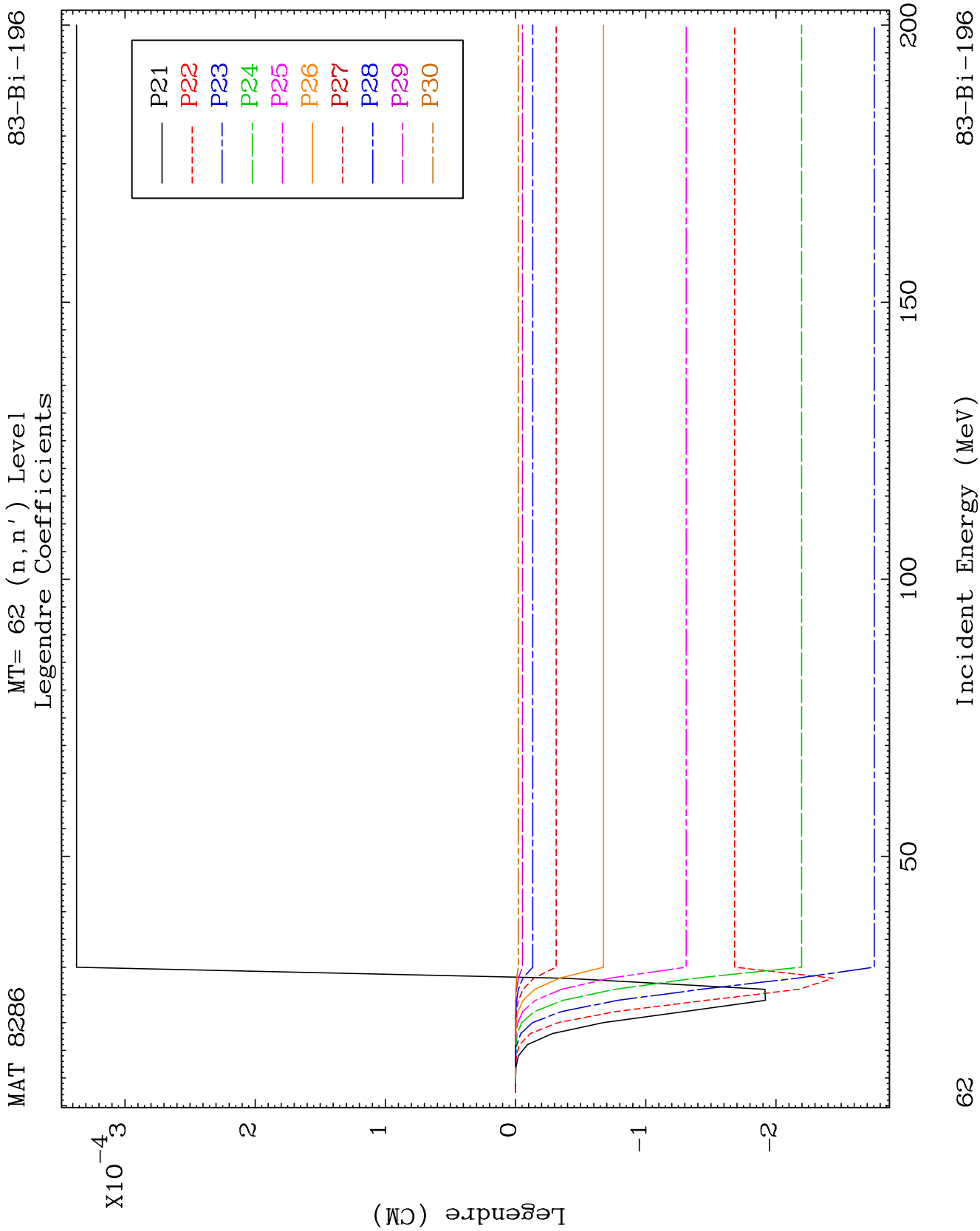


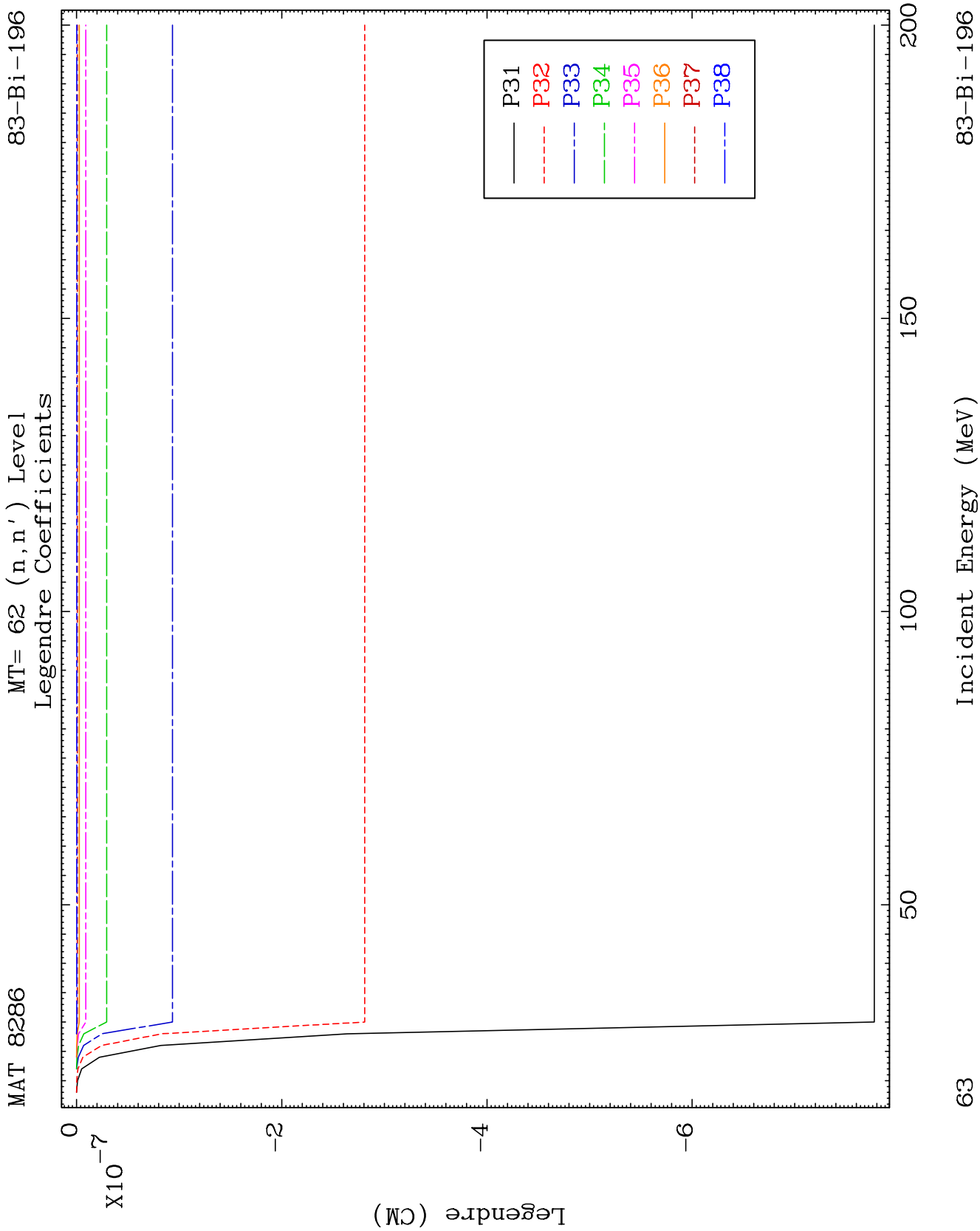
MAT 8286

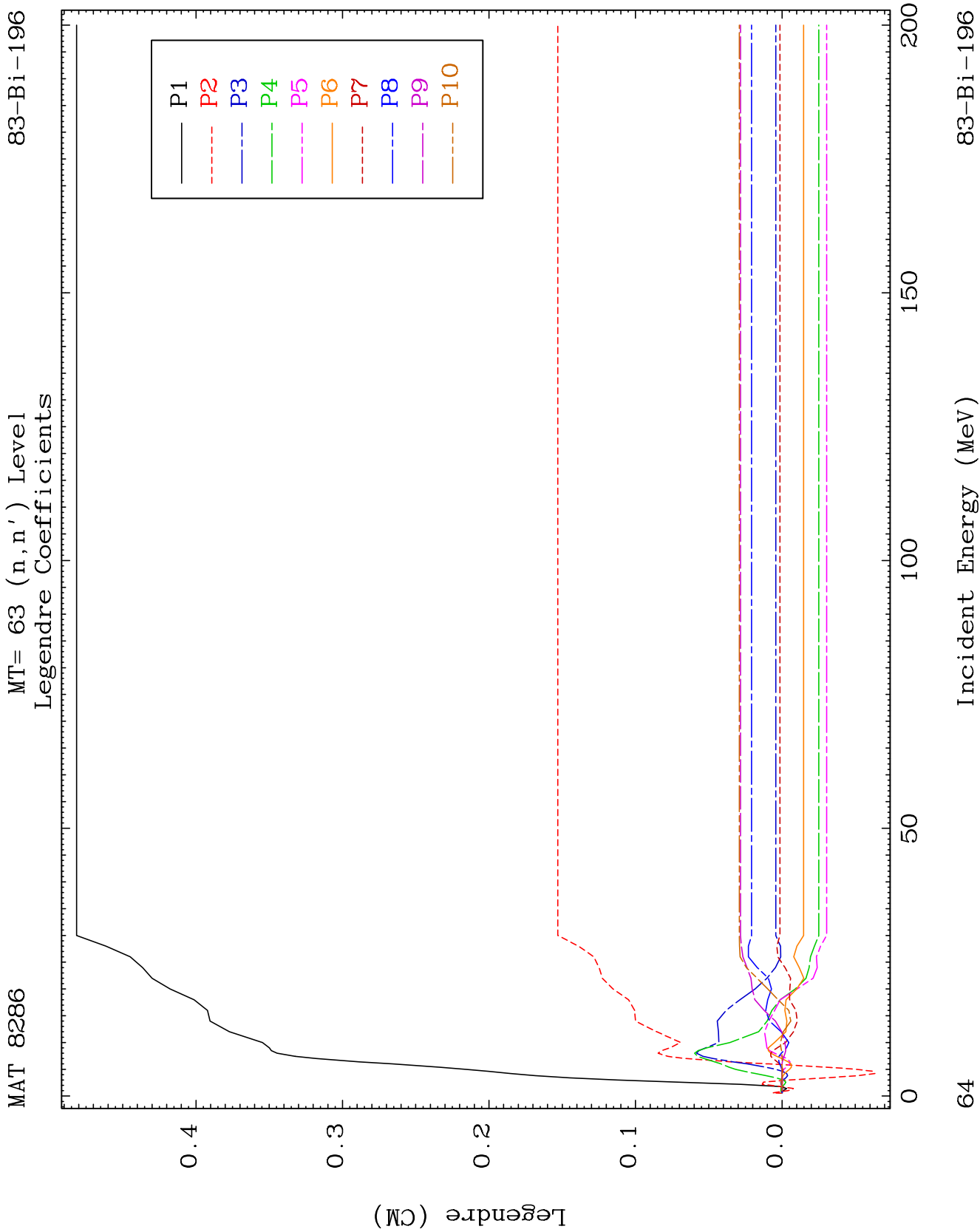
MT= 62 (n, n') Level
Legendre Coefficients

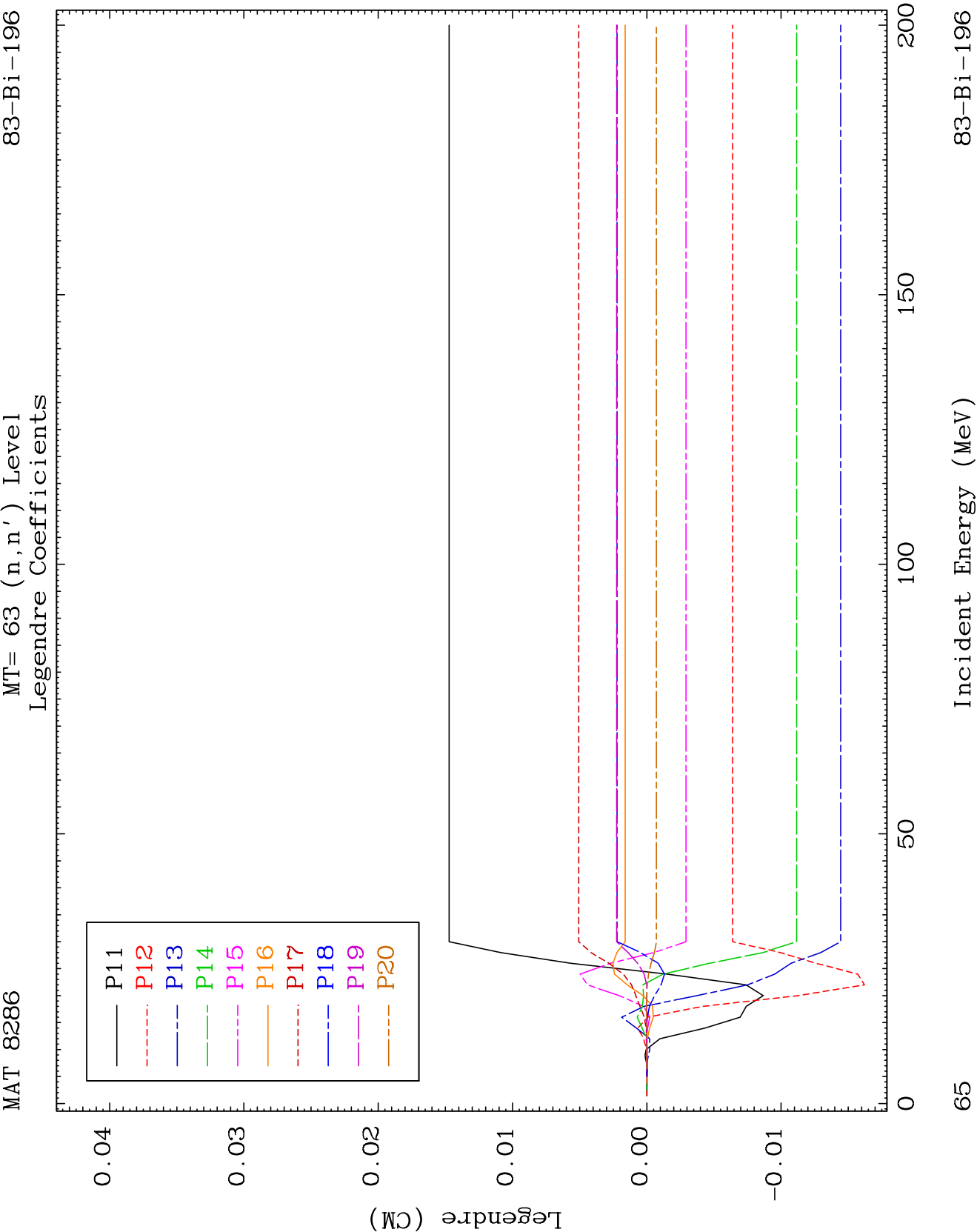
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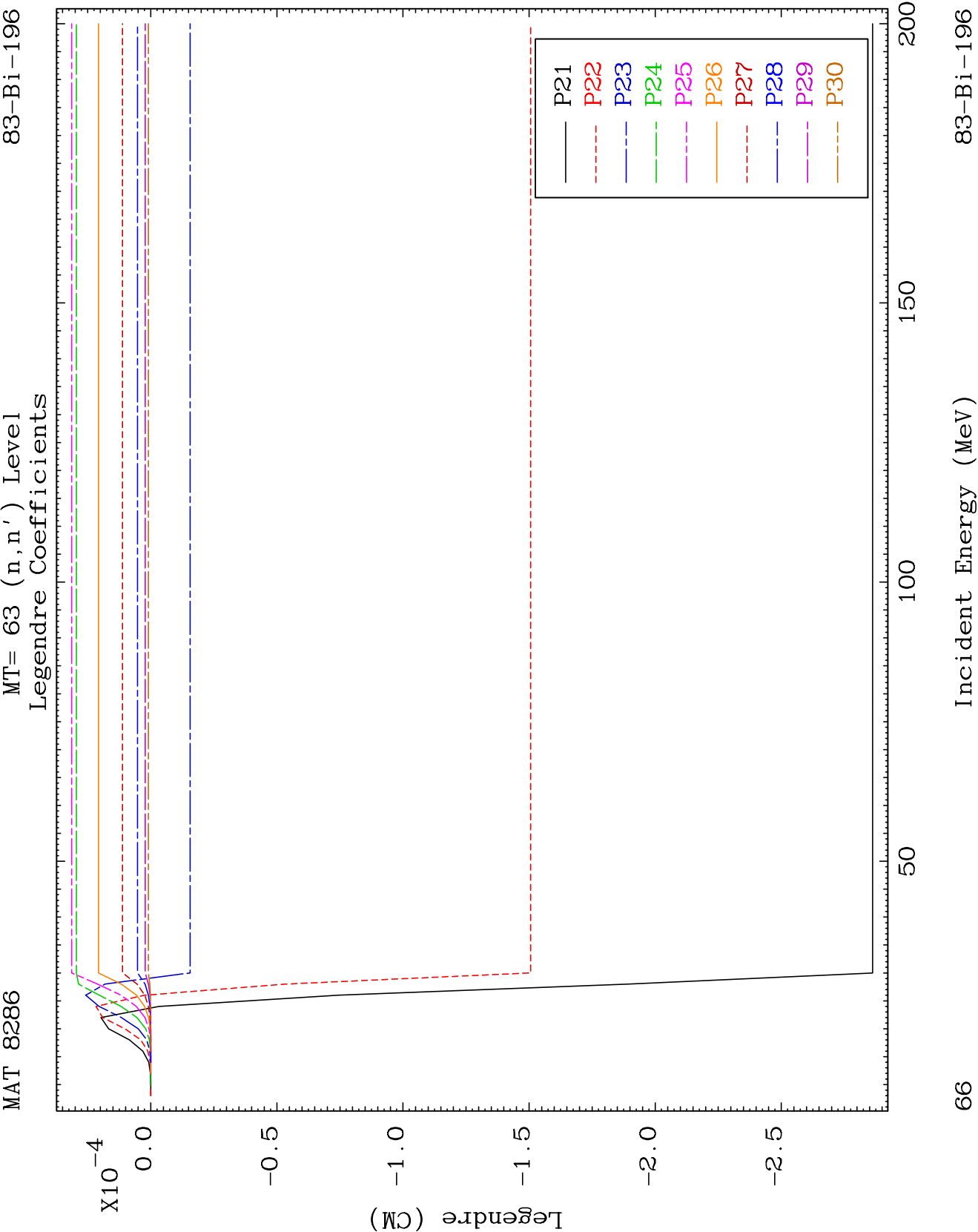


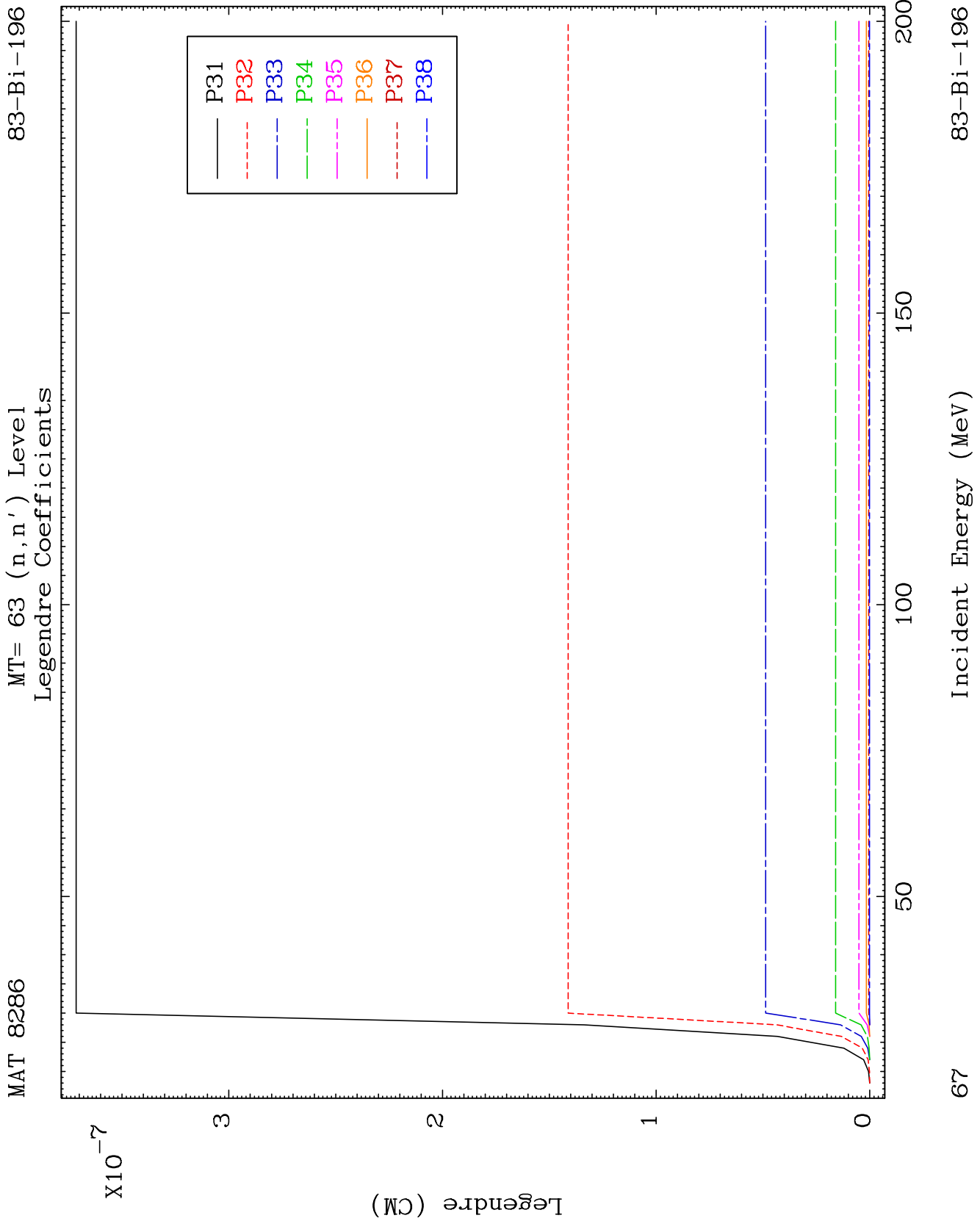


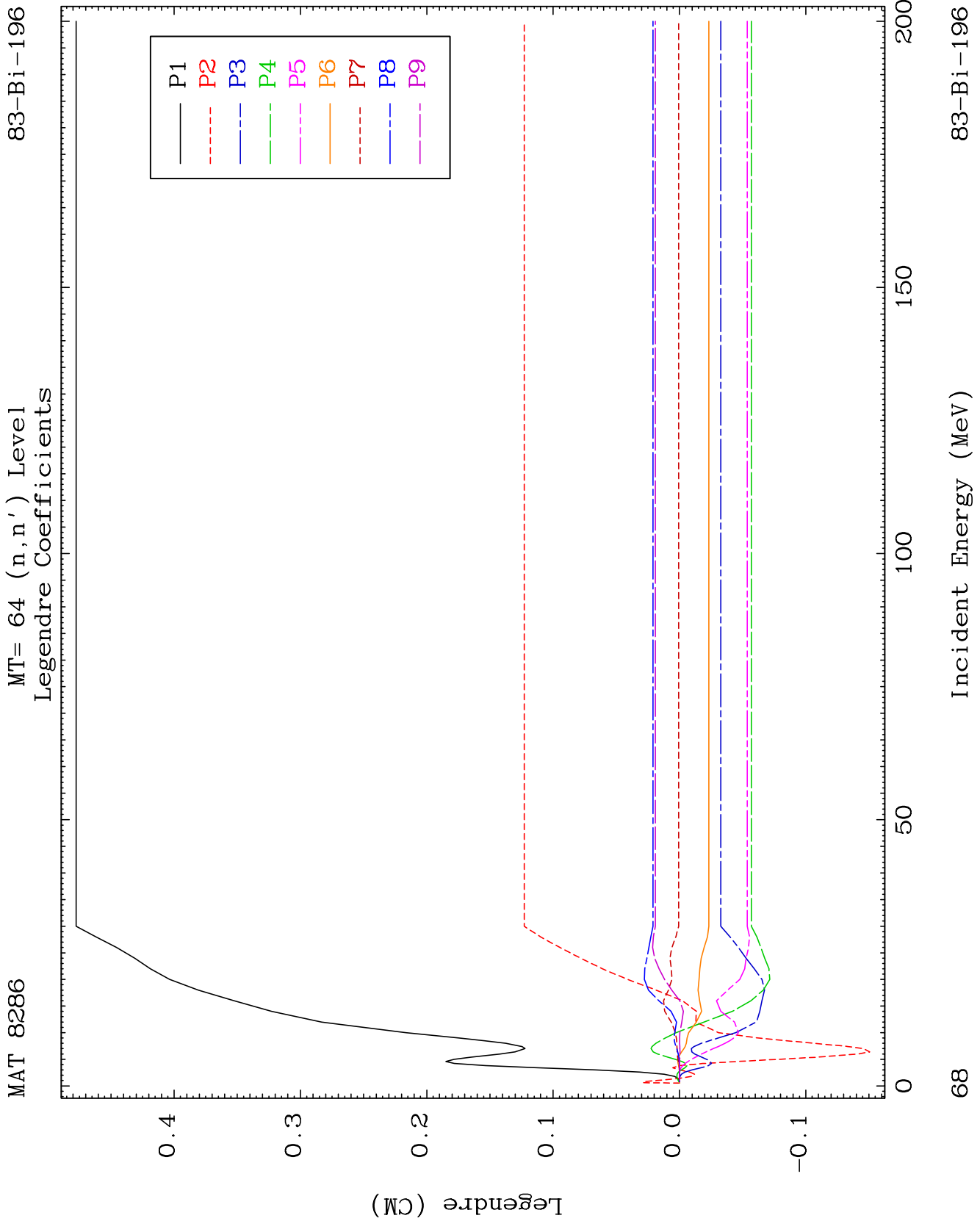


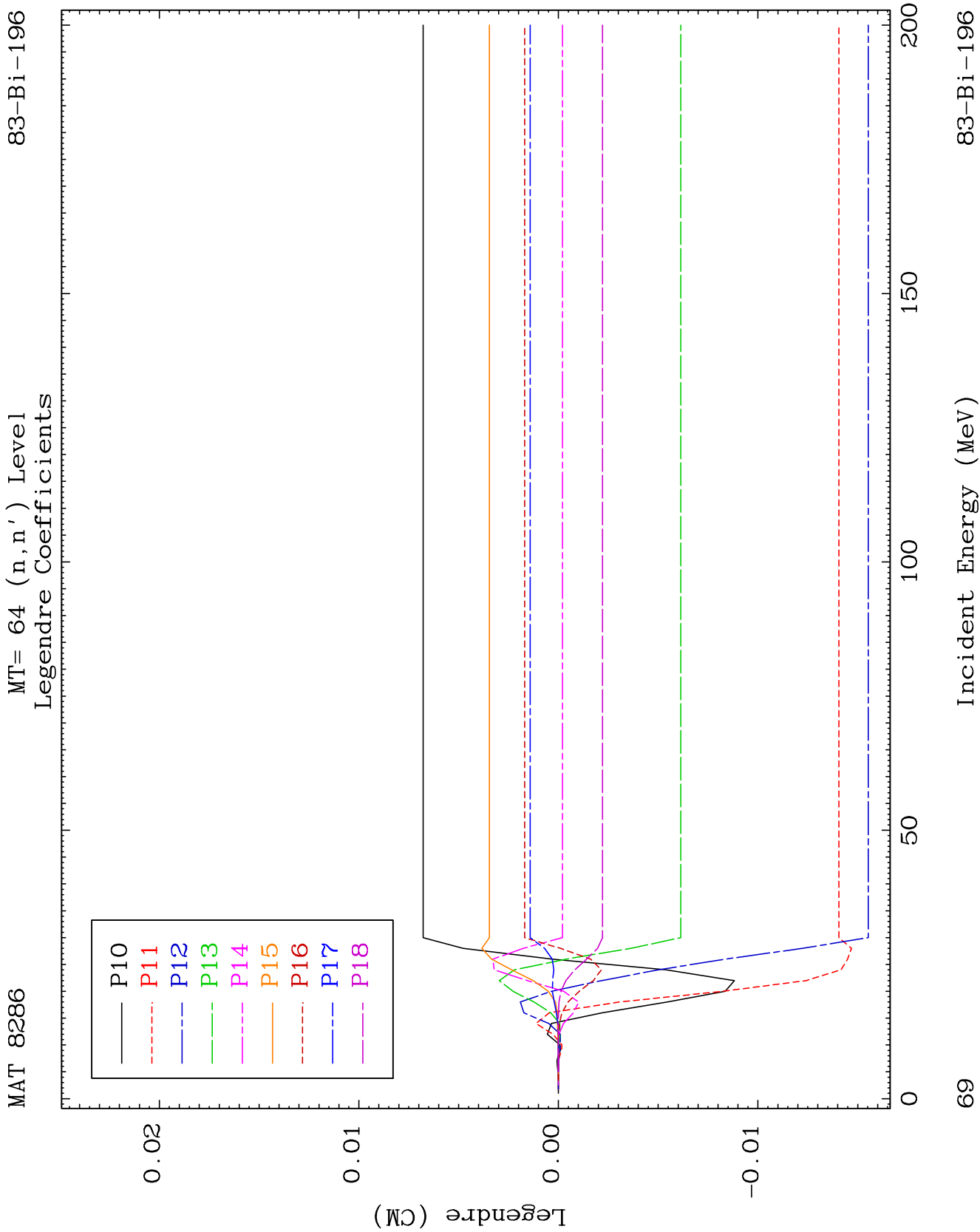


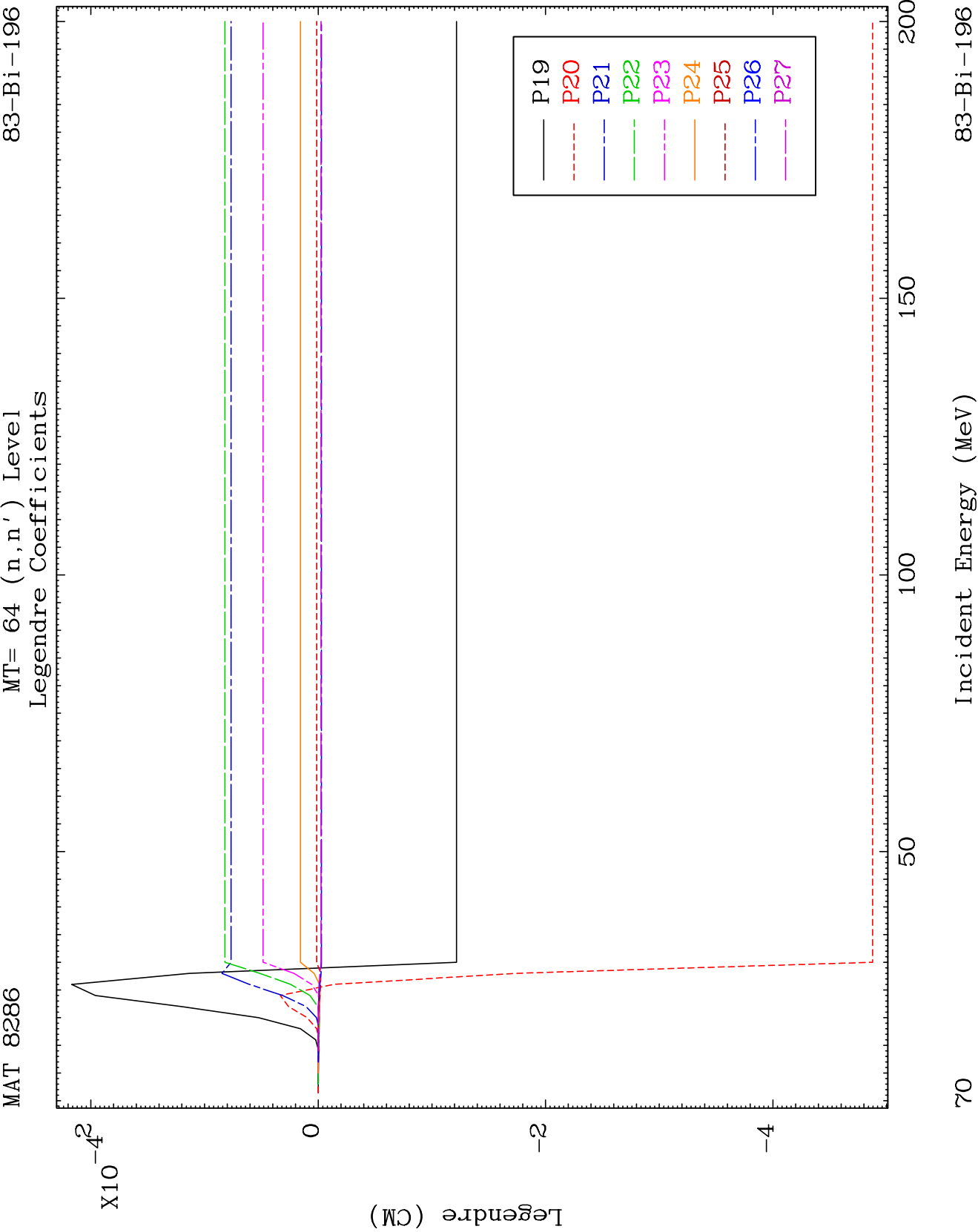








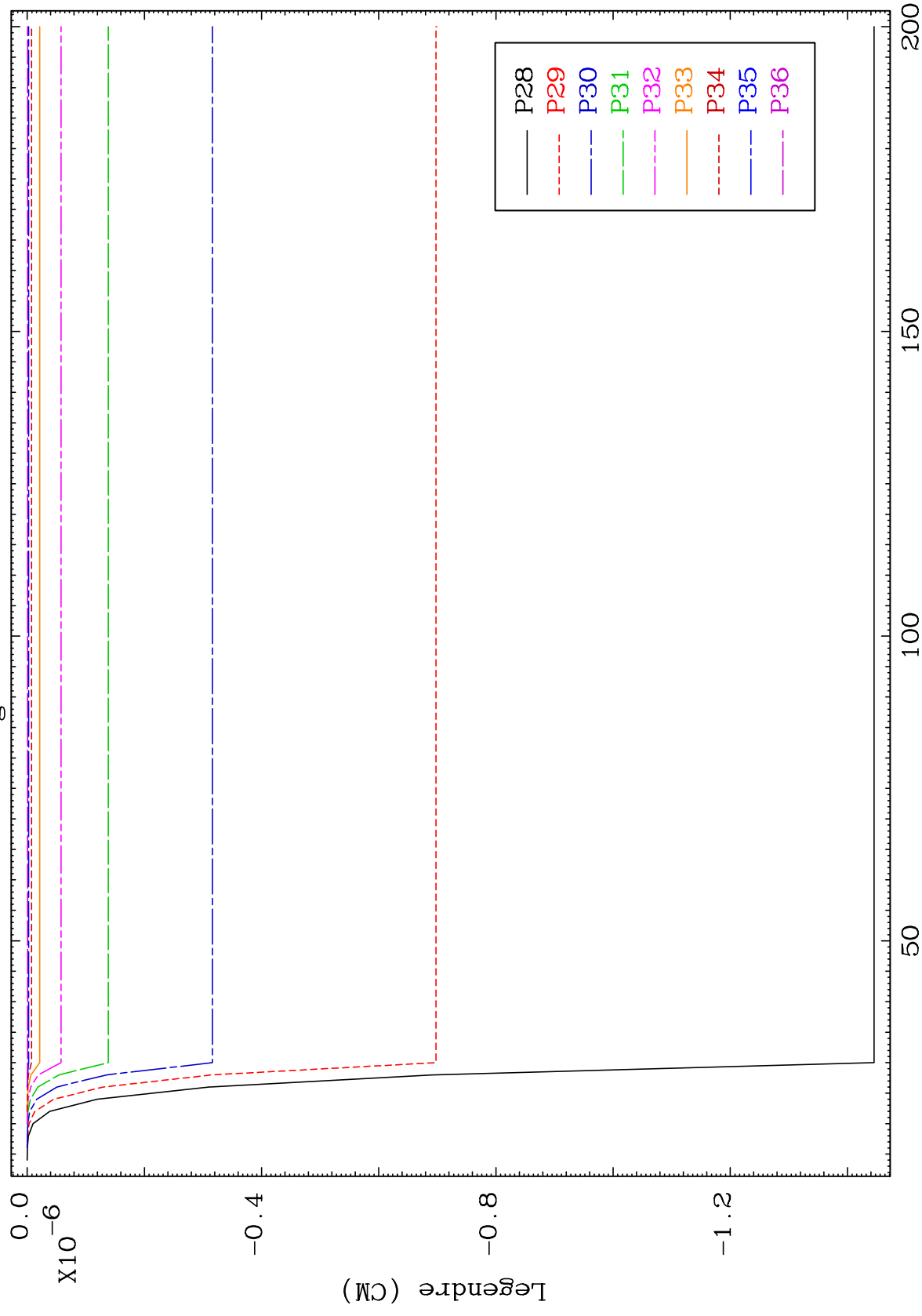




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MT= 64 (n, n') Level
Legendre Coefficients

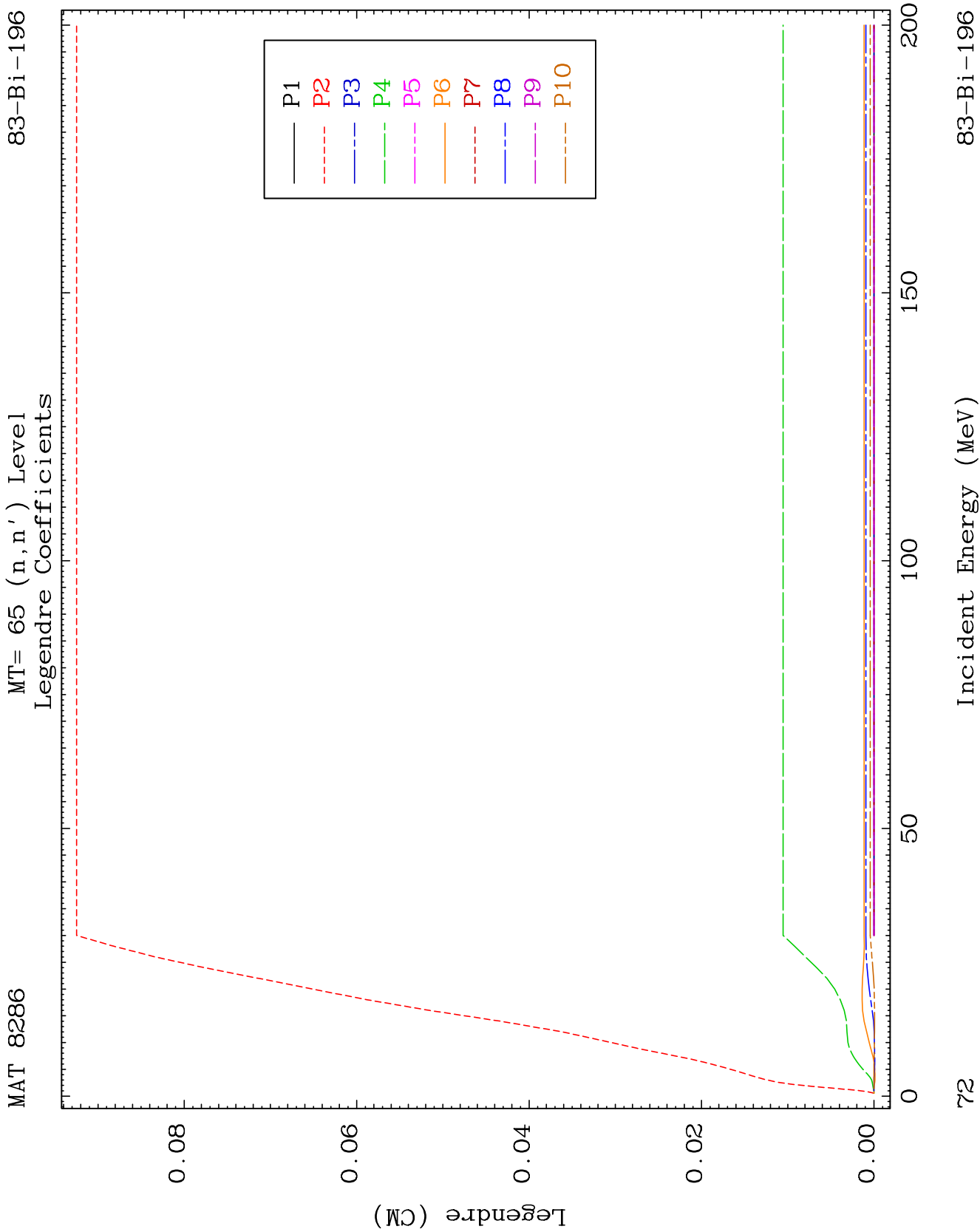
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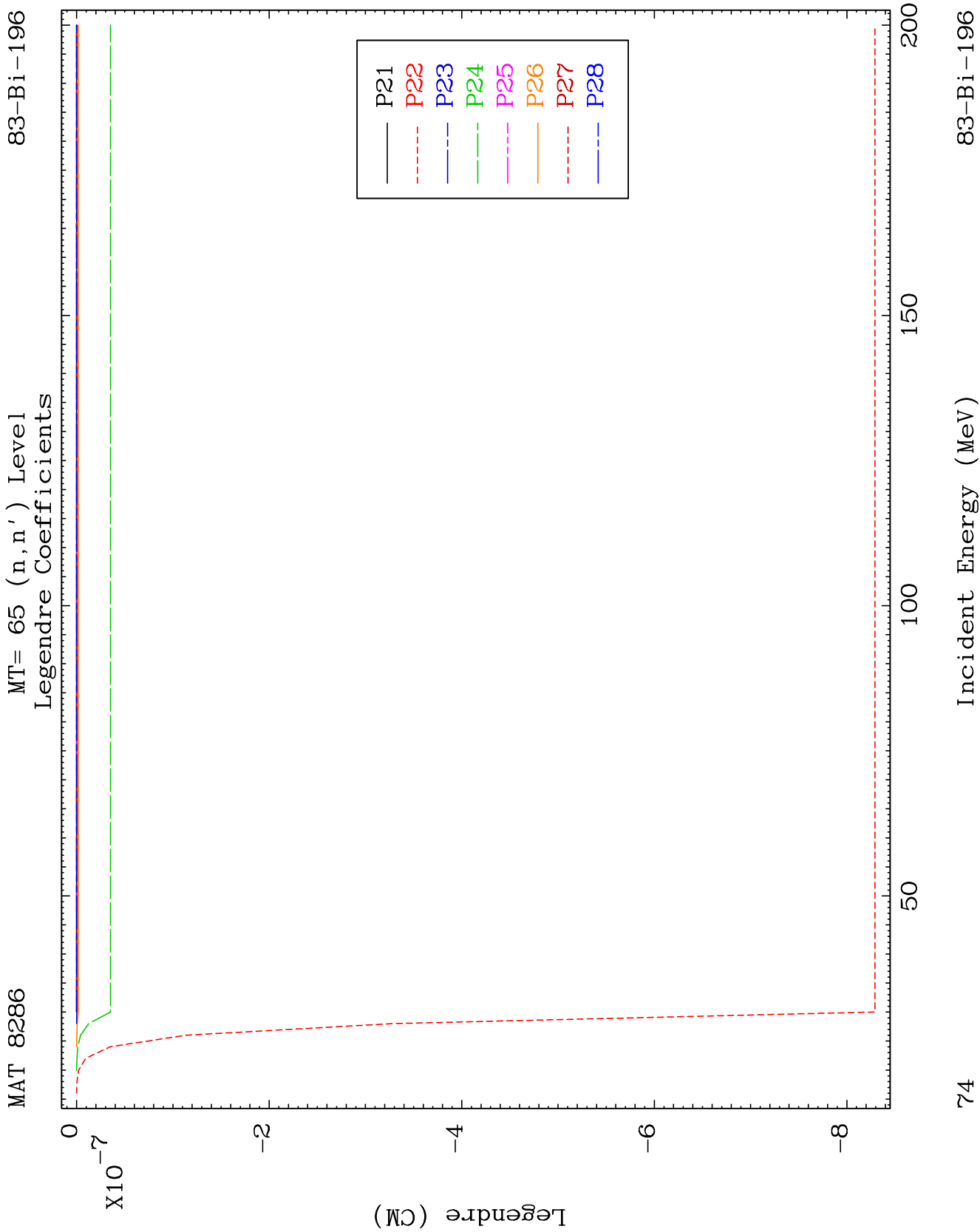


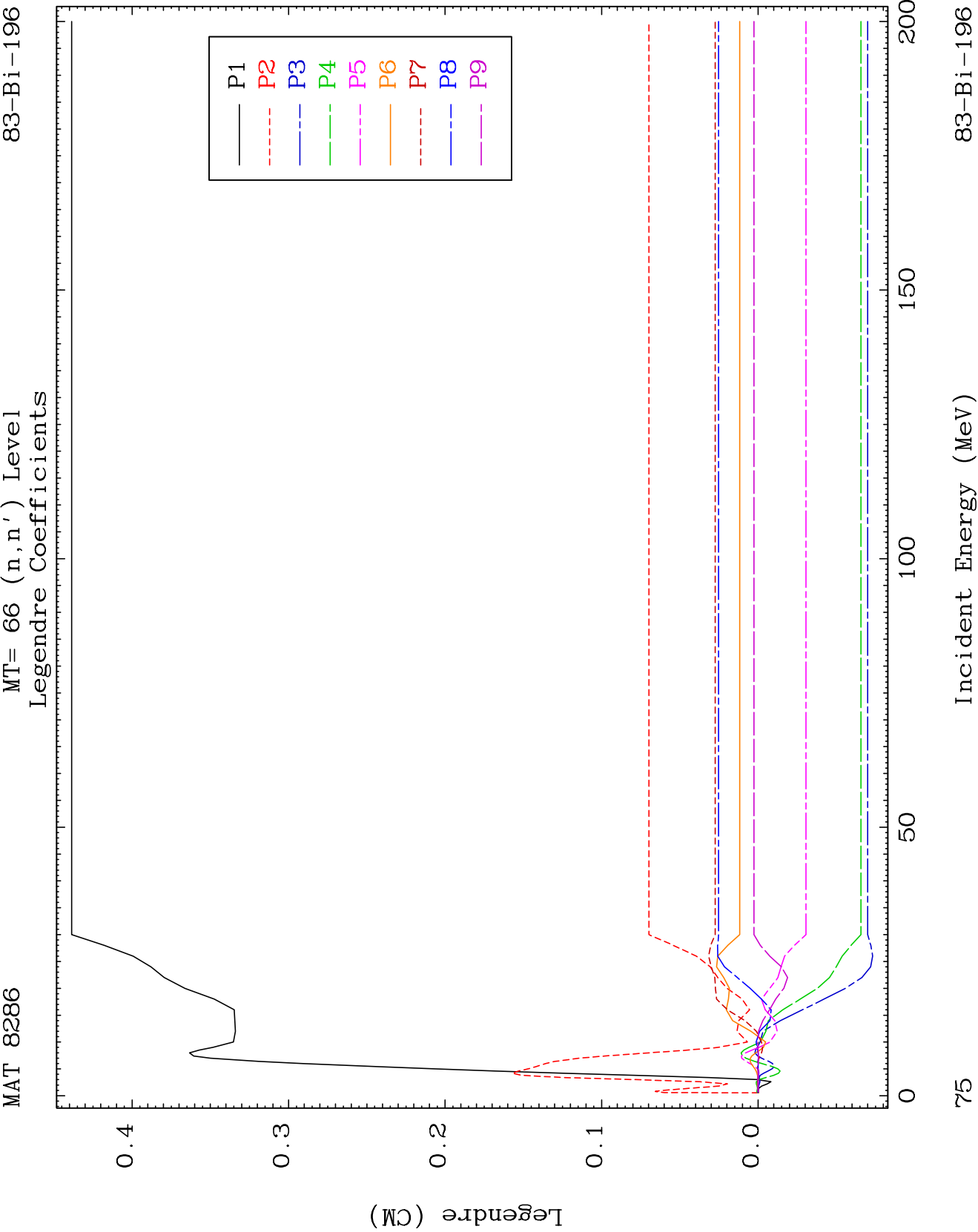
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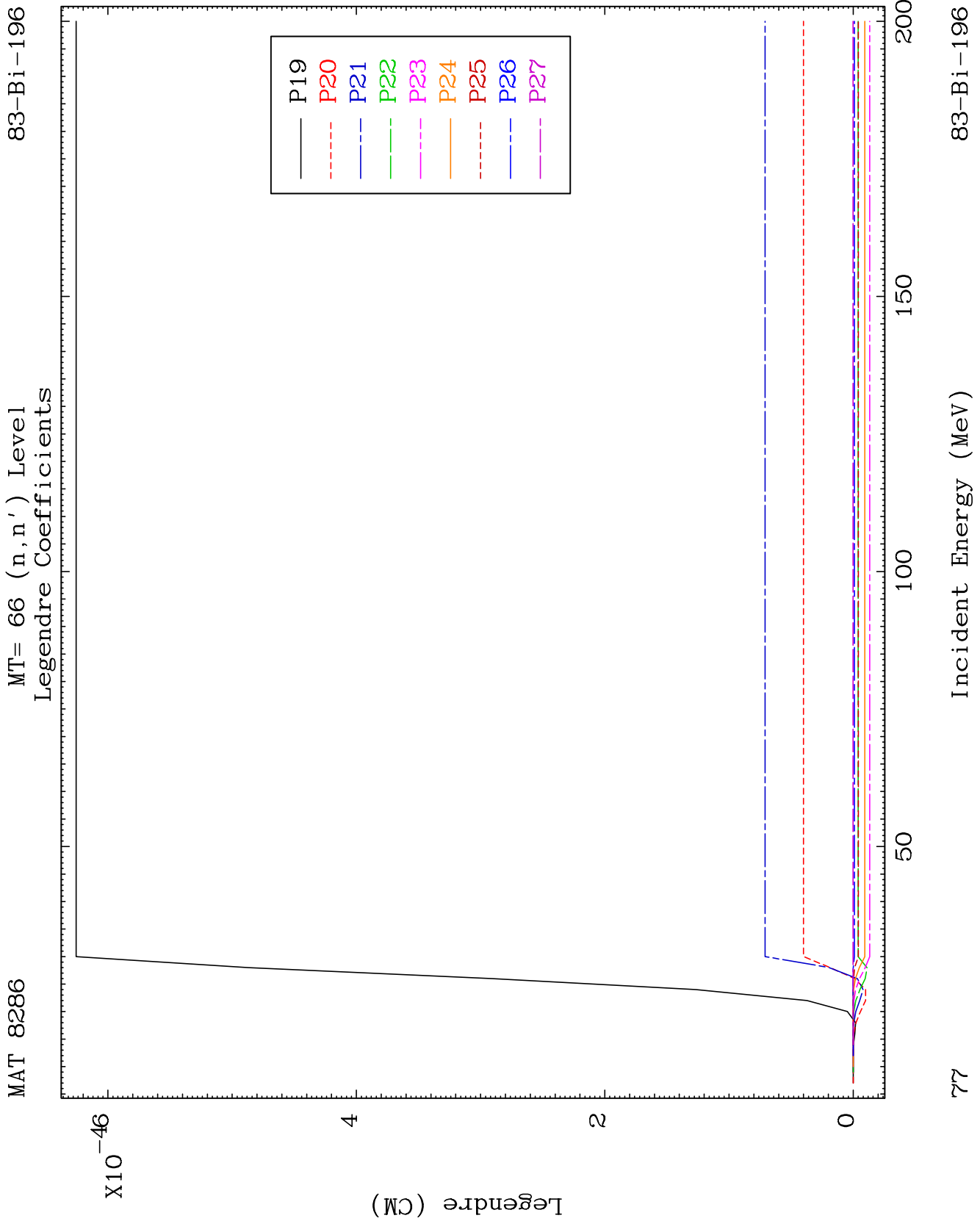
Incident Energy (MeV)

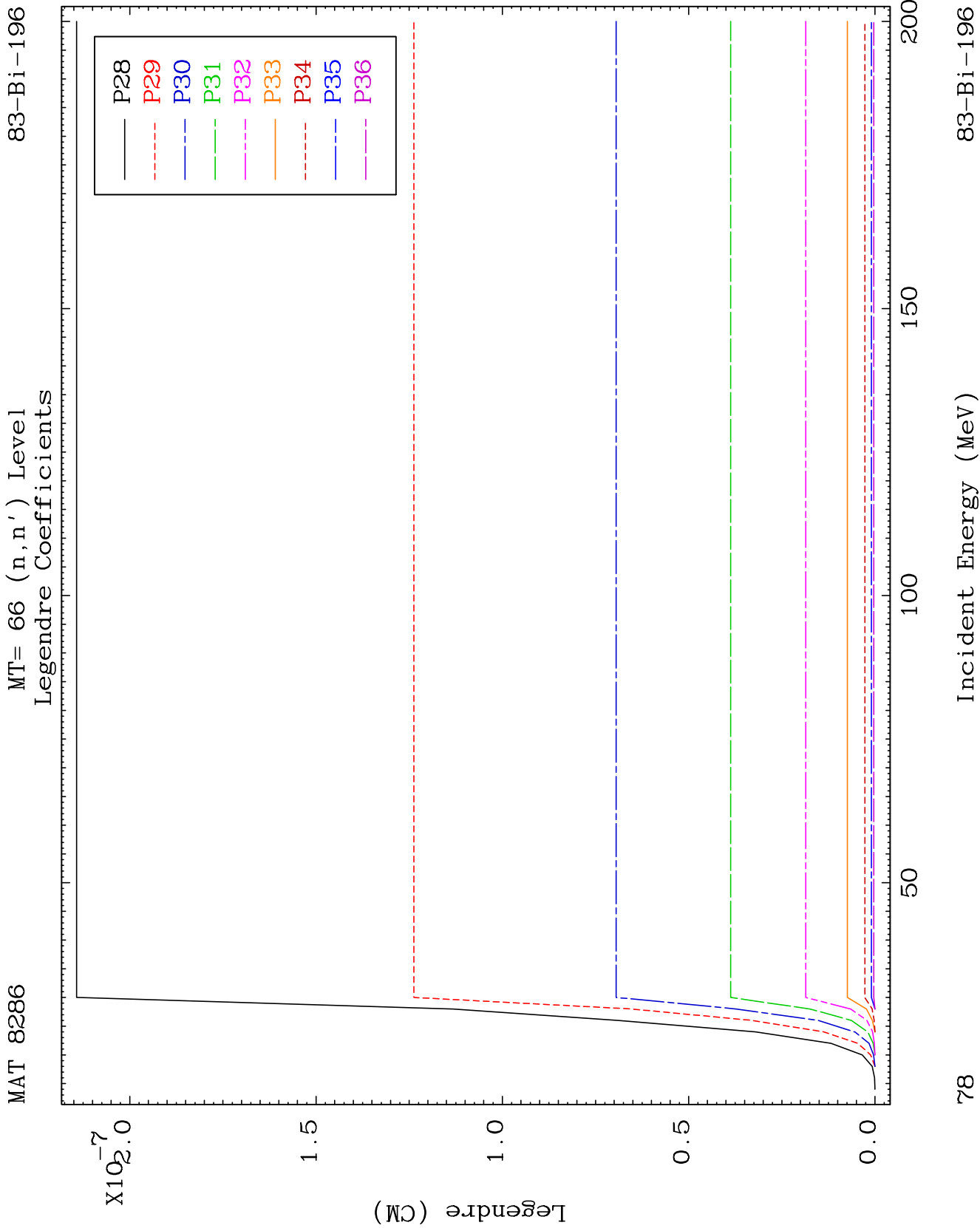
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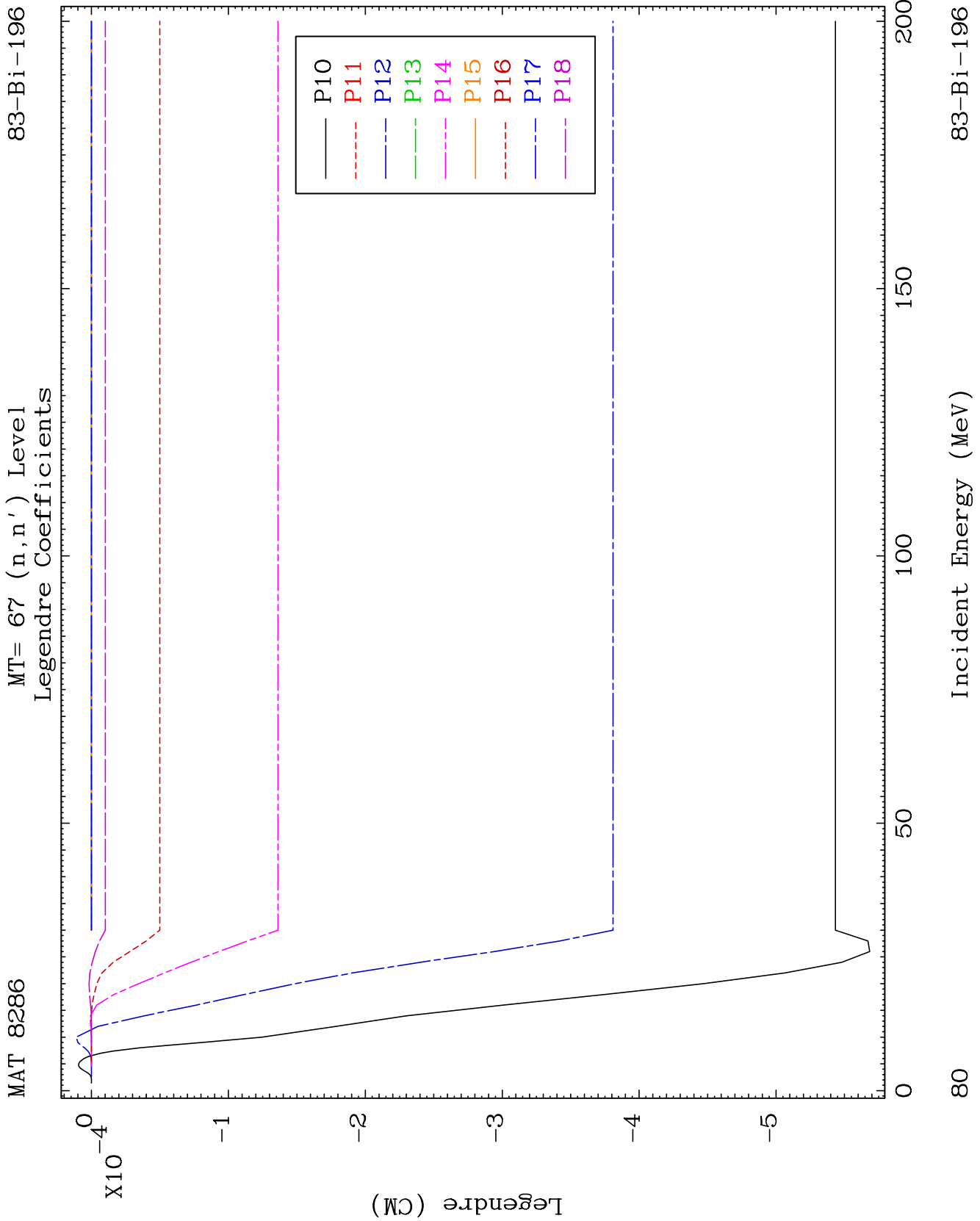


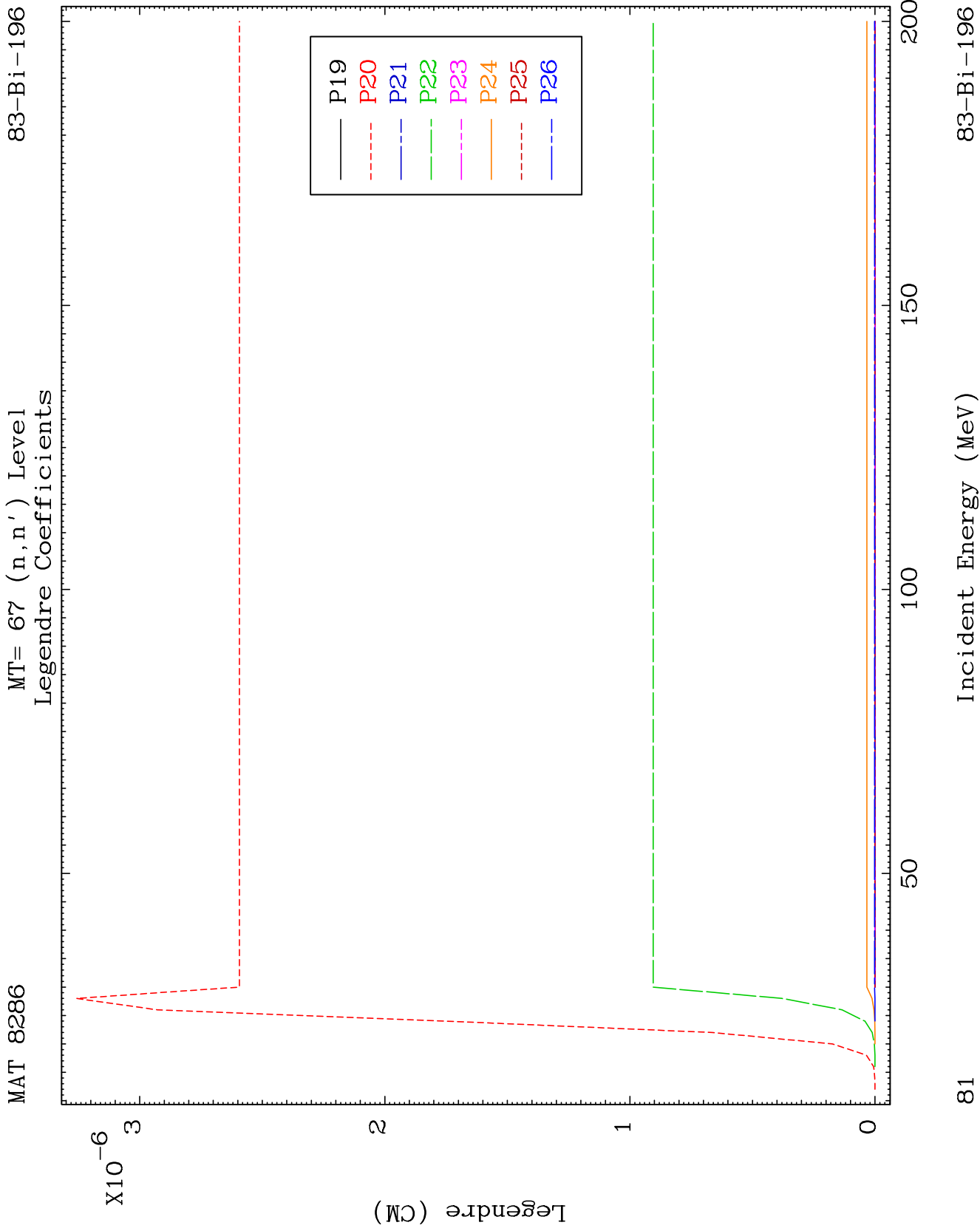


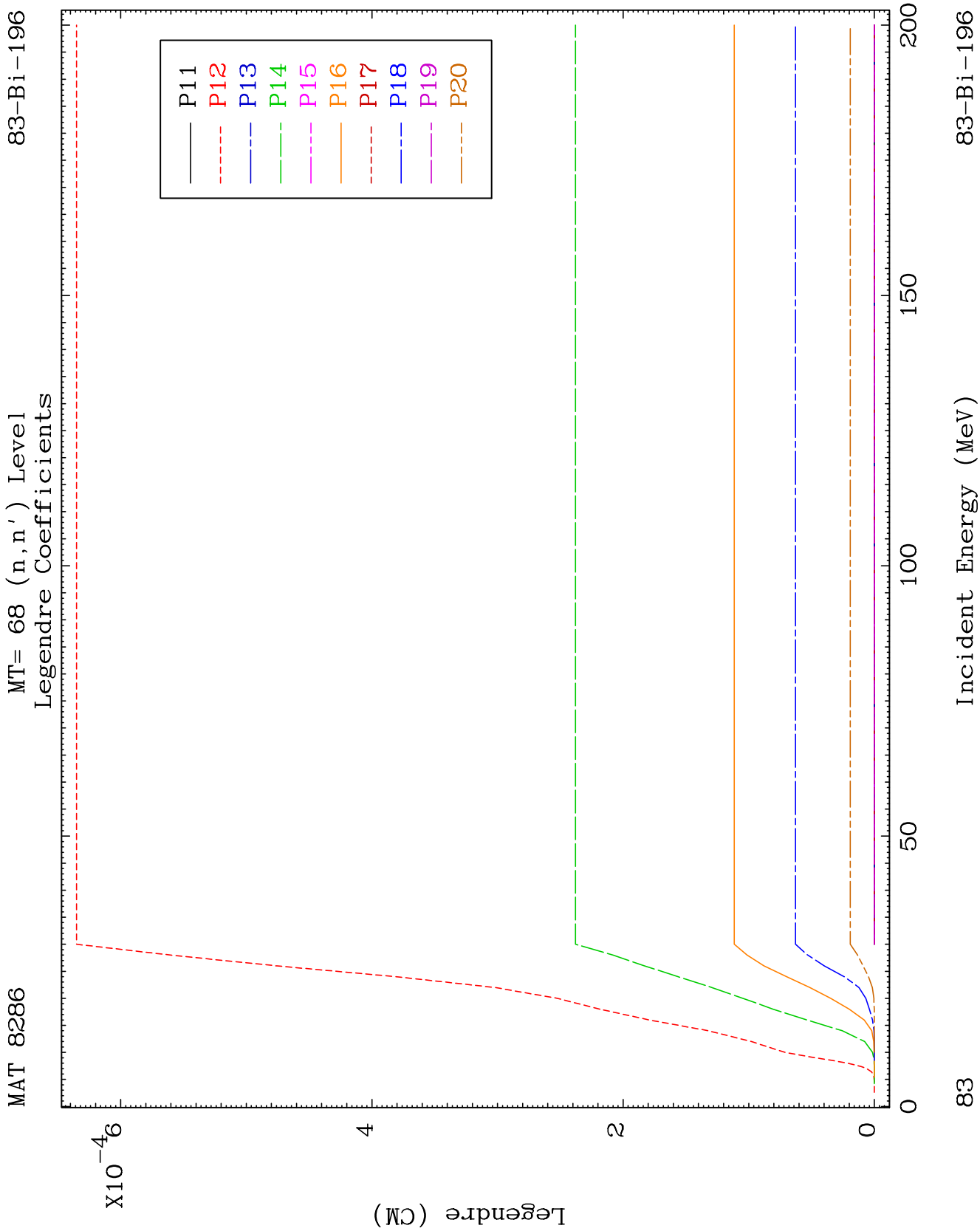








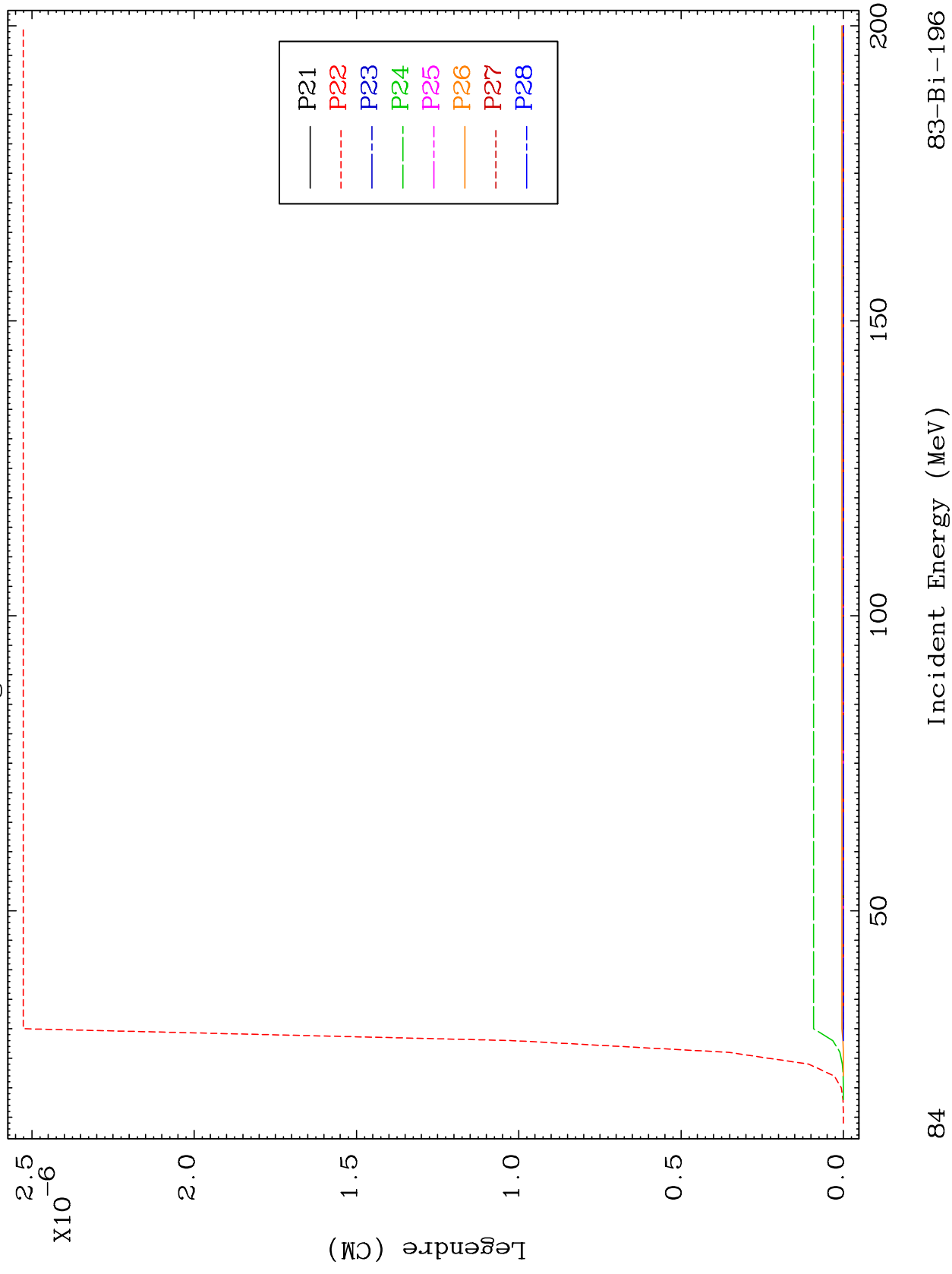




MAT 8286

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

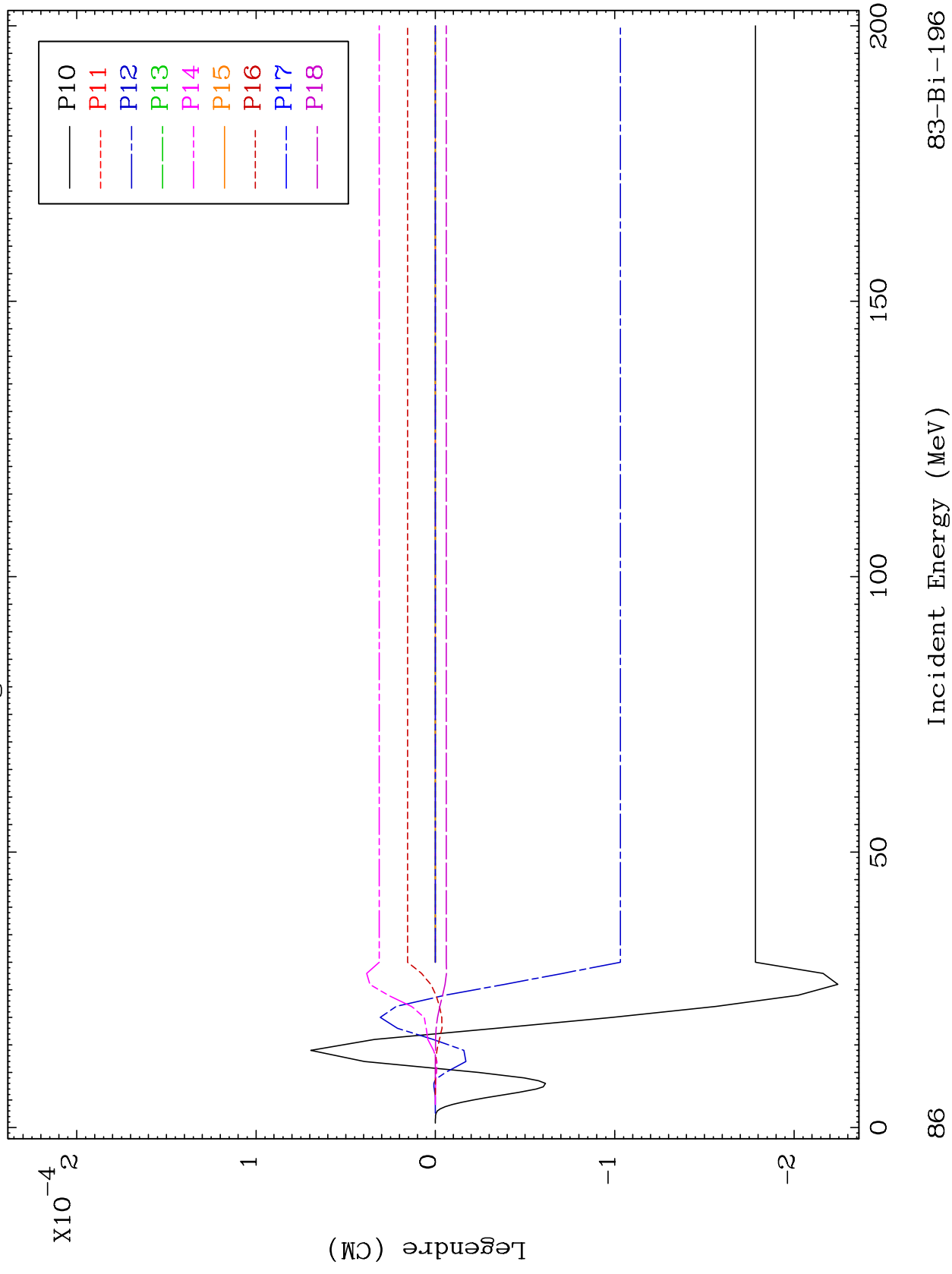
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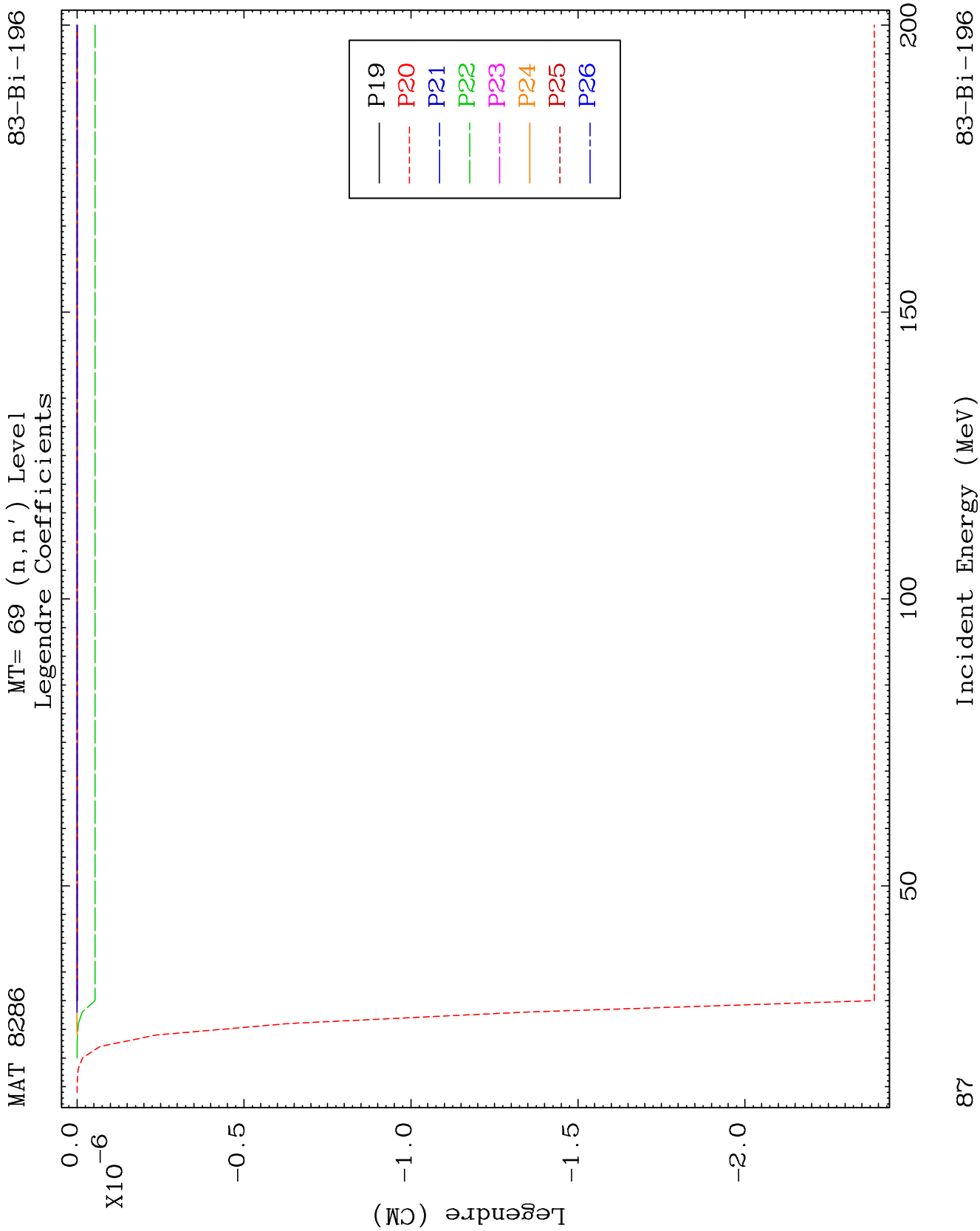


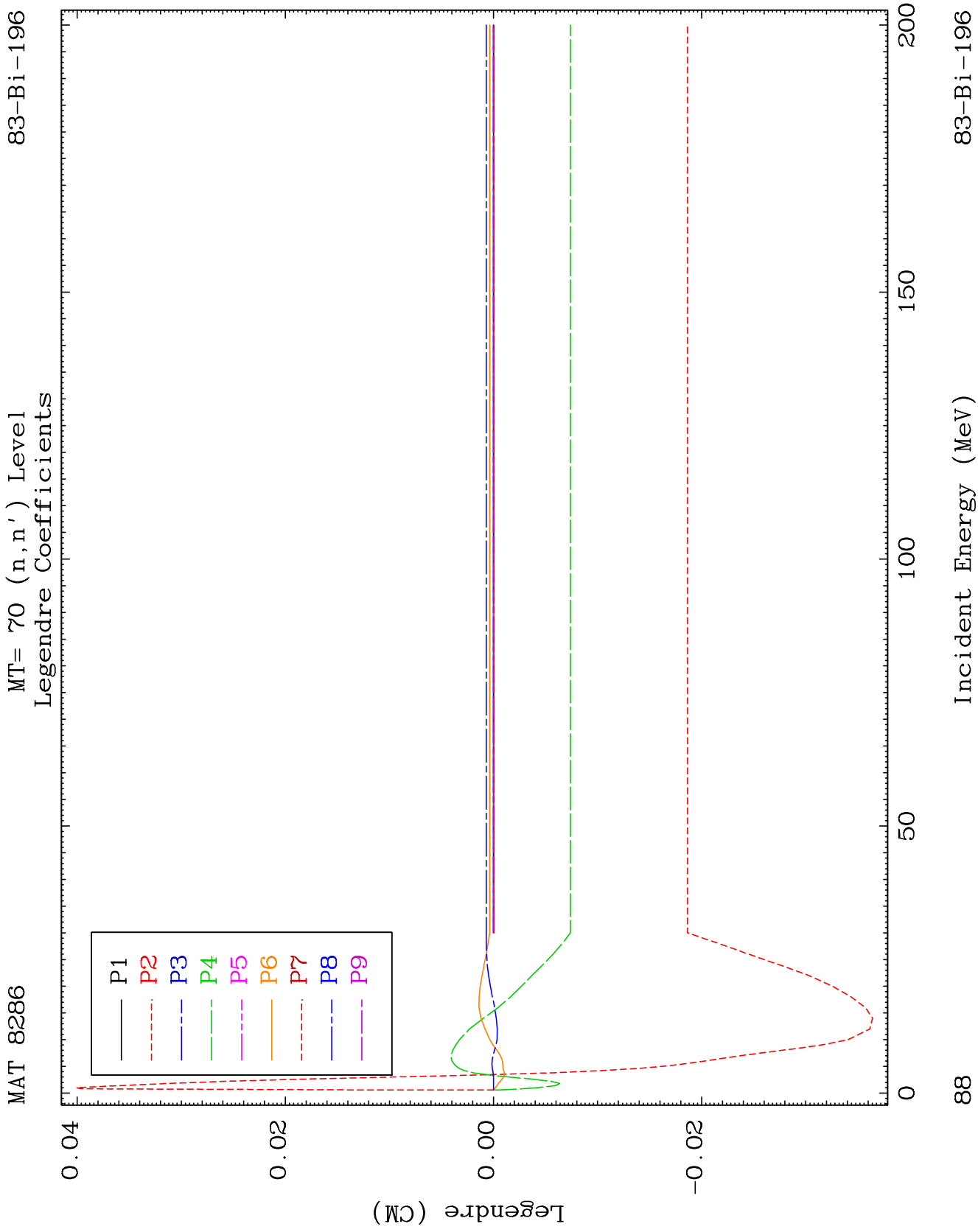
MAT 8286

MT= 69 (n, n') Level
Legendre Coefficients

83-Bi-196



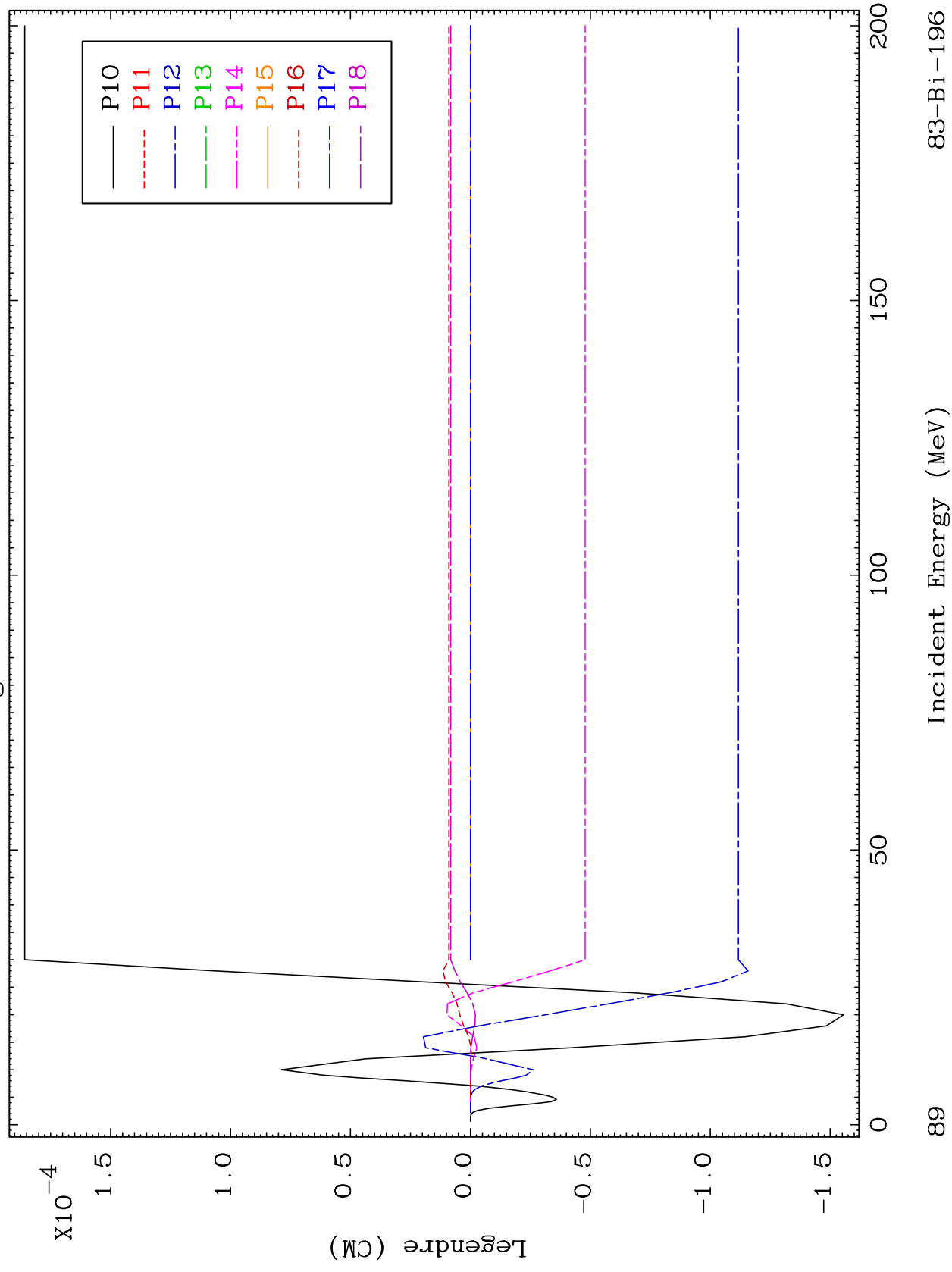


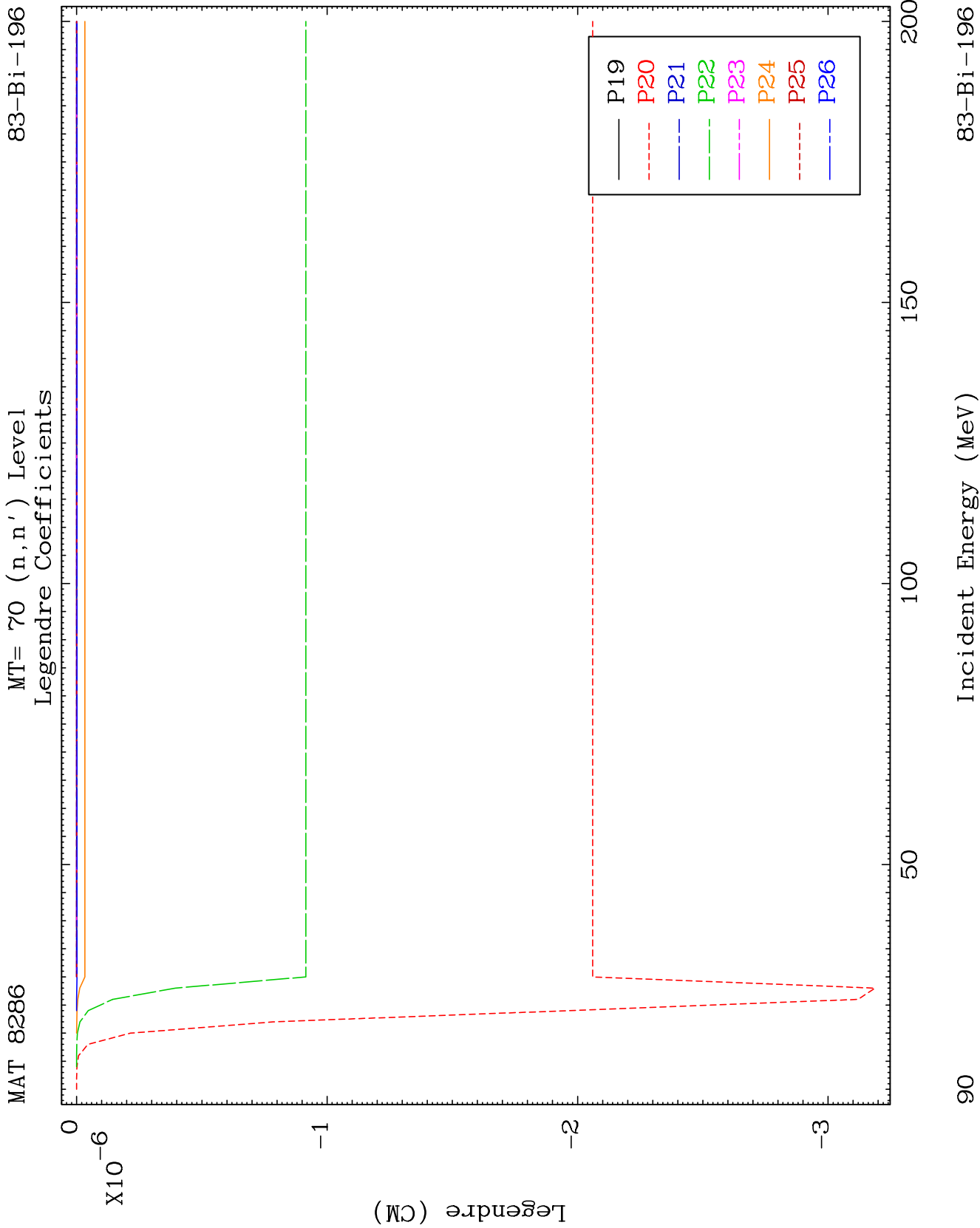


MAT 8286

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

83-Bi-196

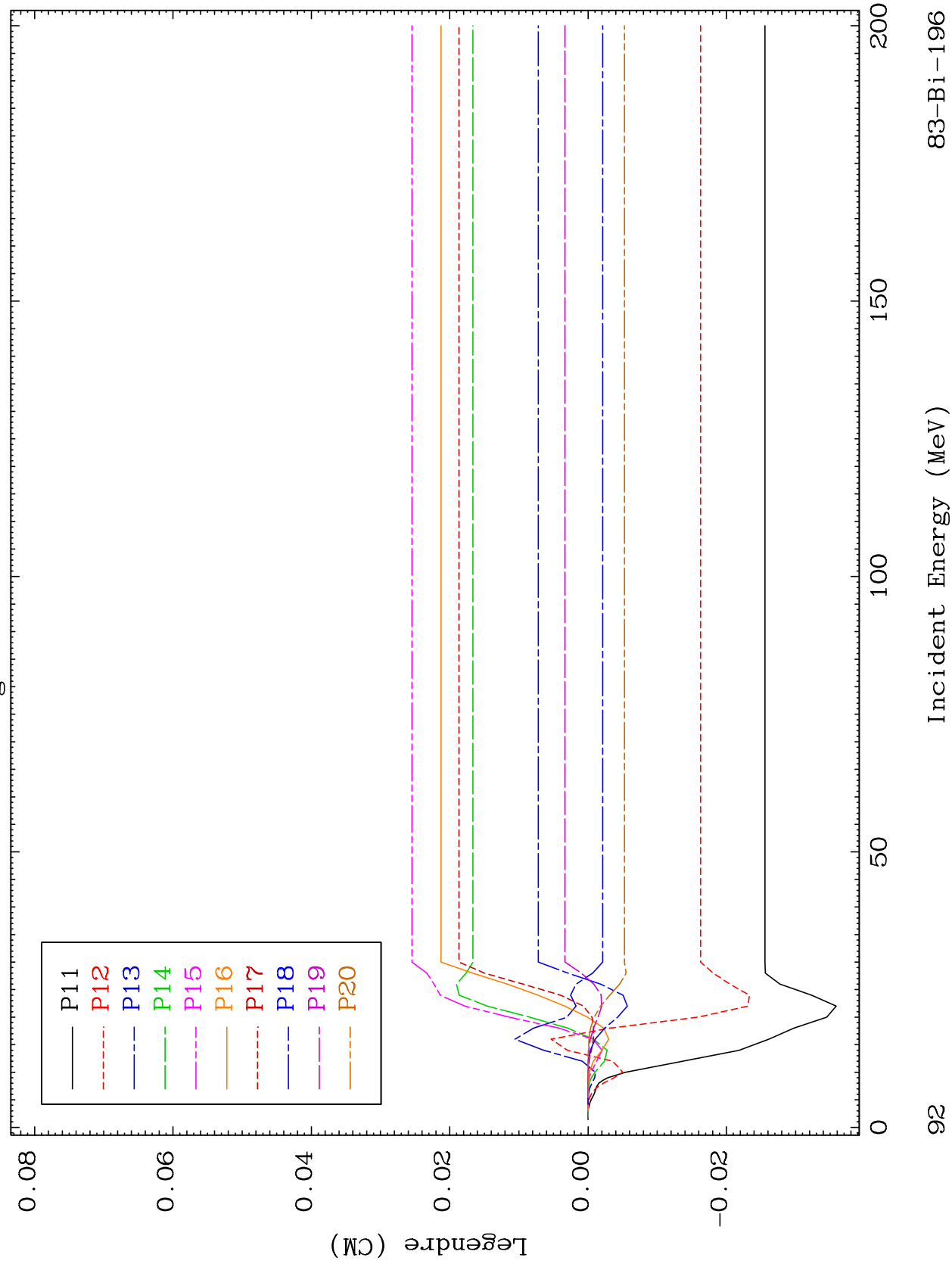


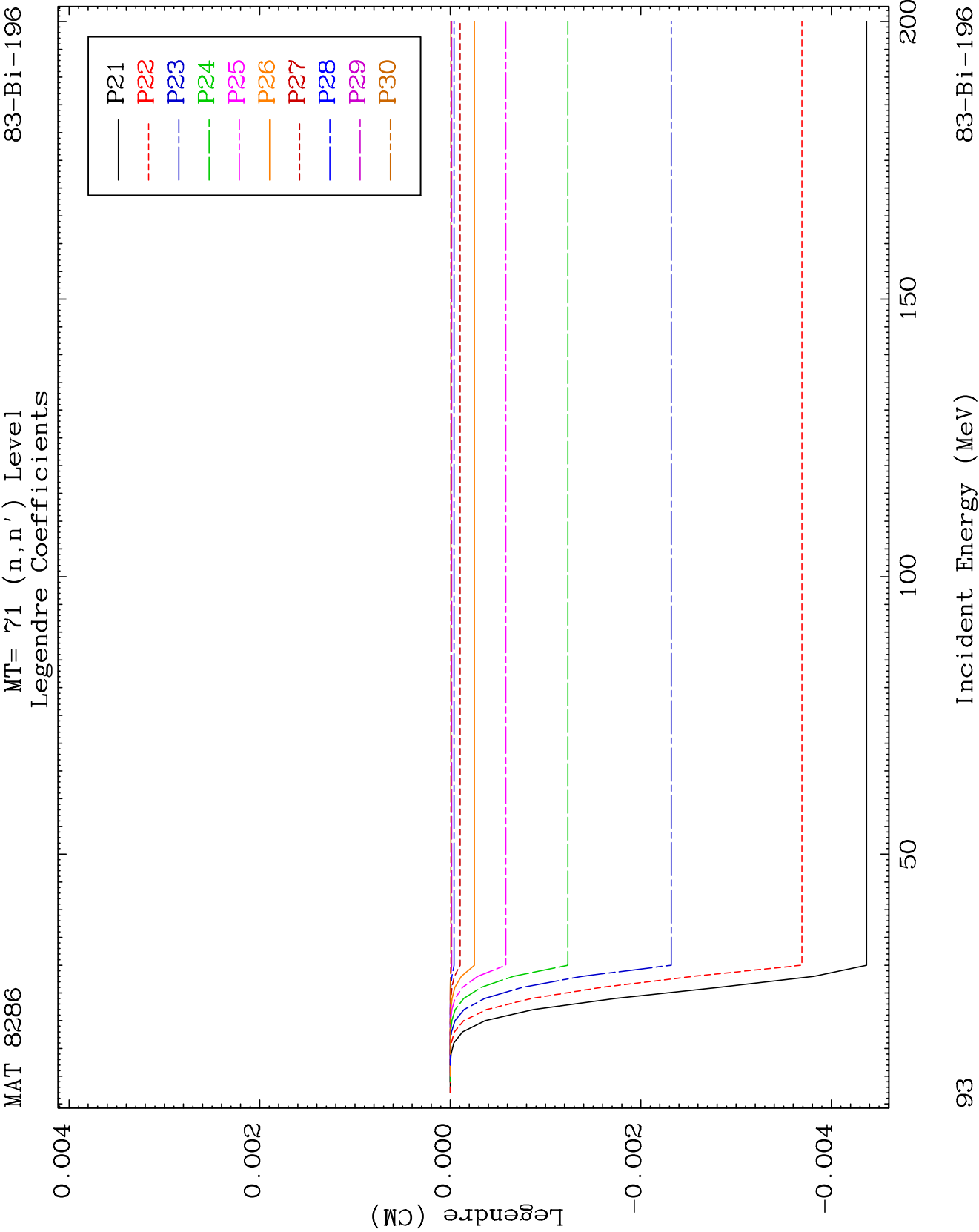


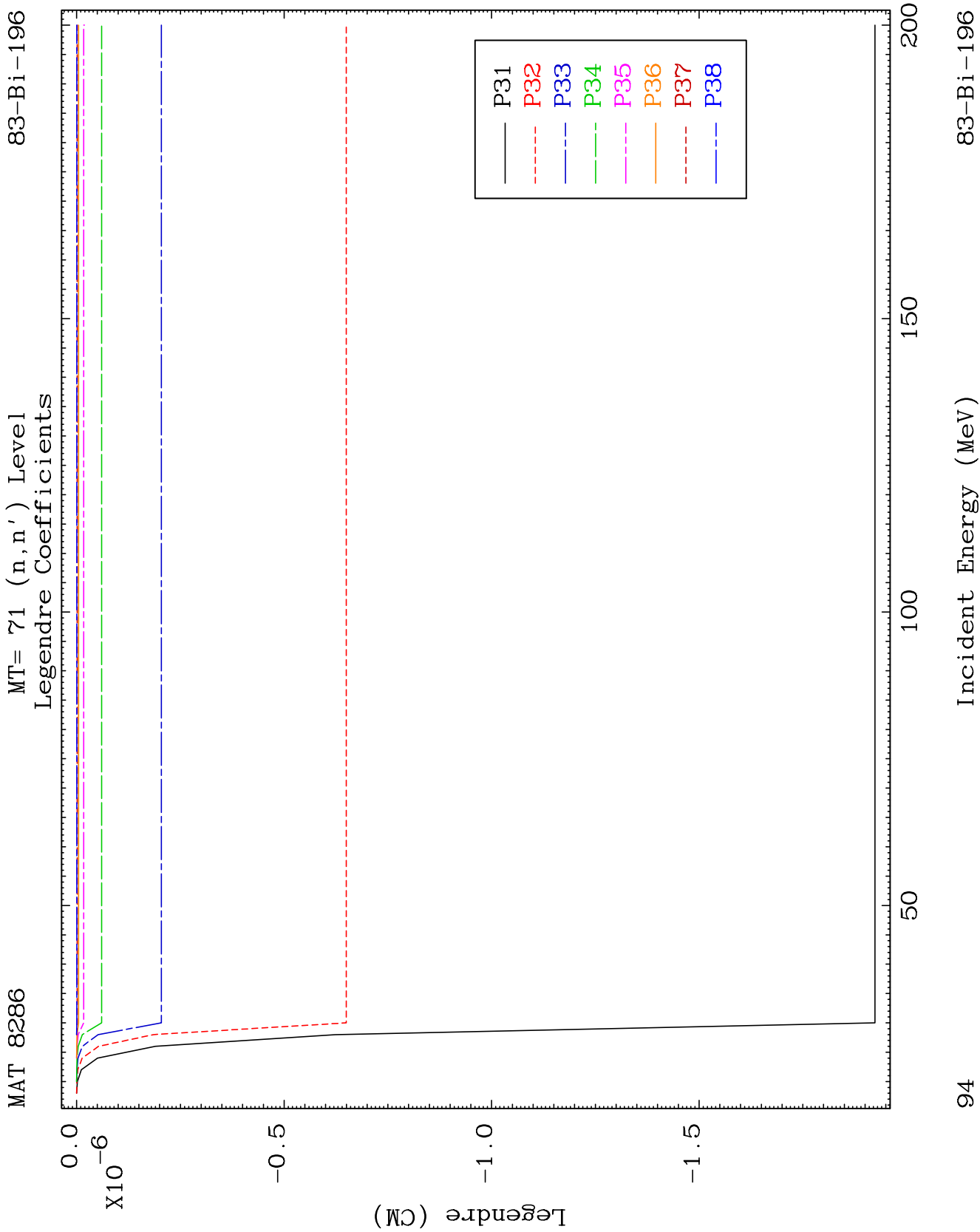
MAT 8286

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

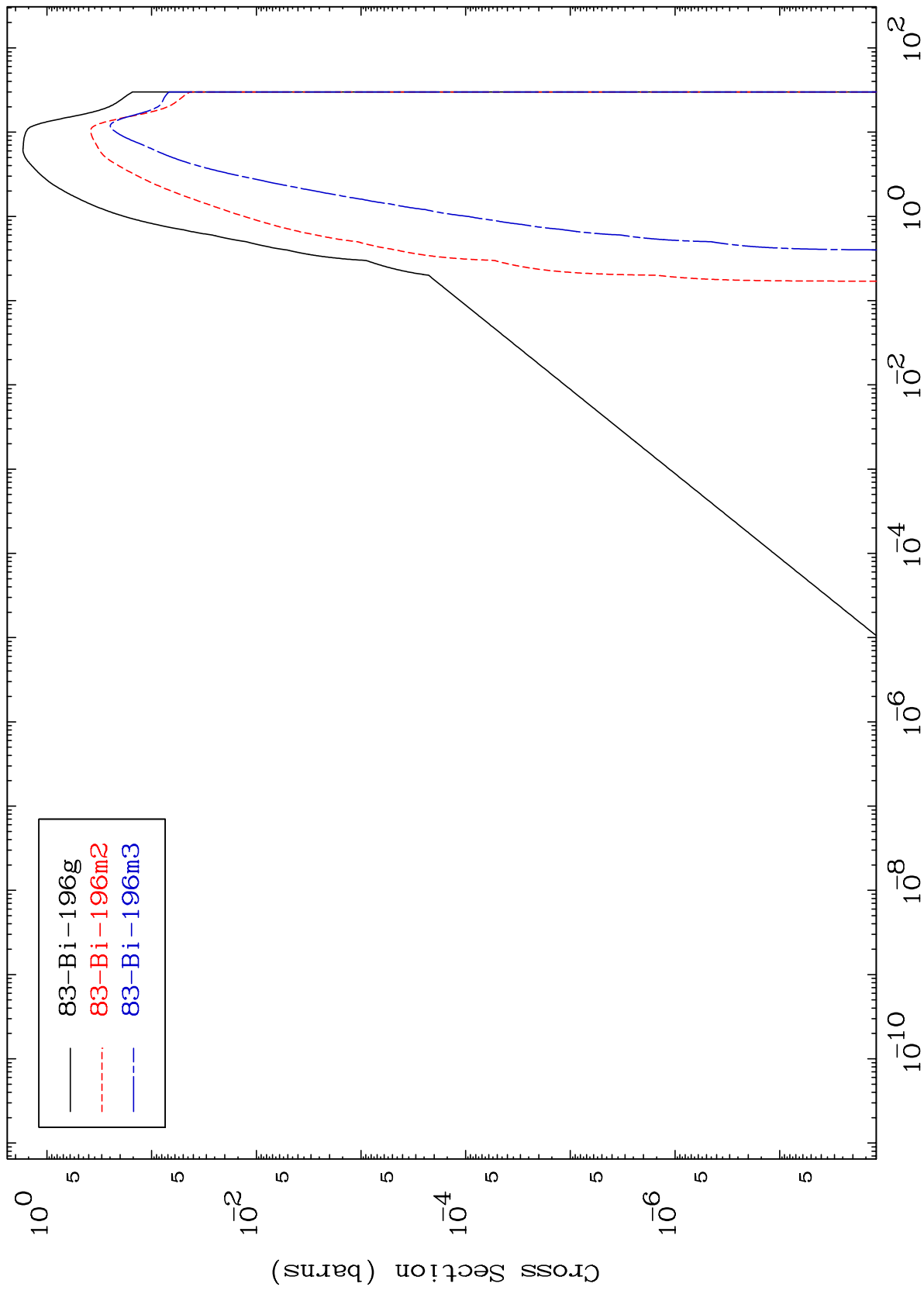
83-Bi-196

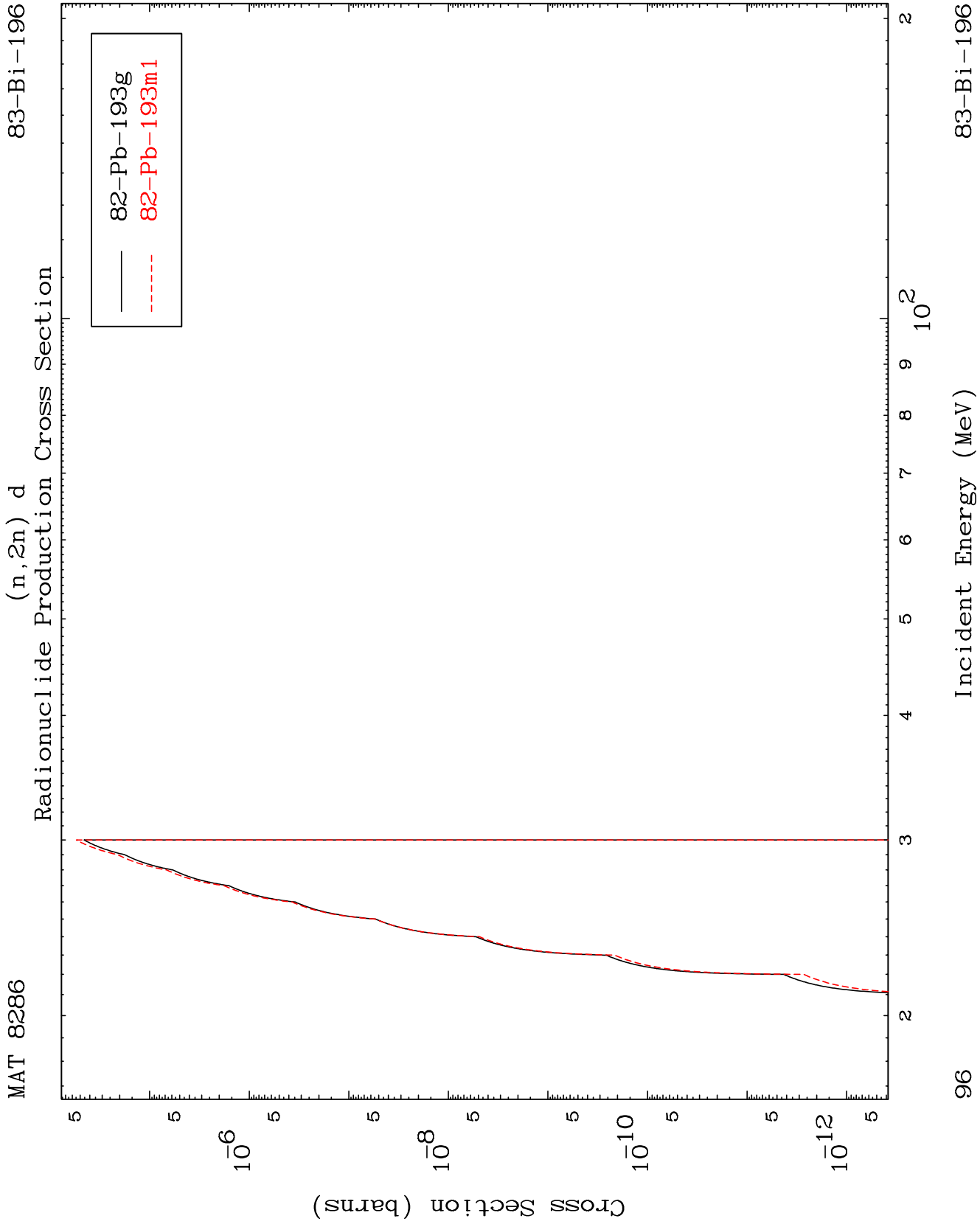


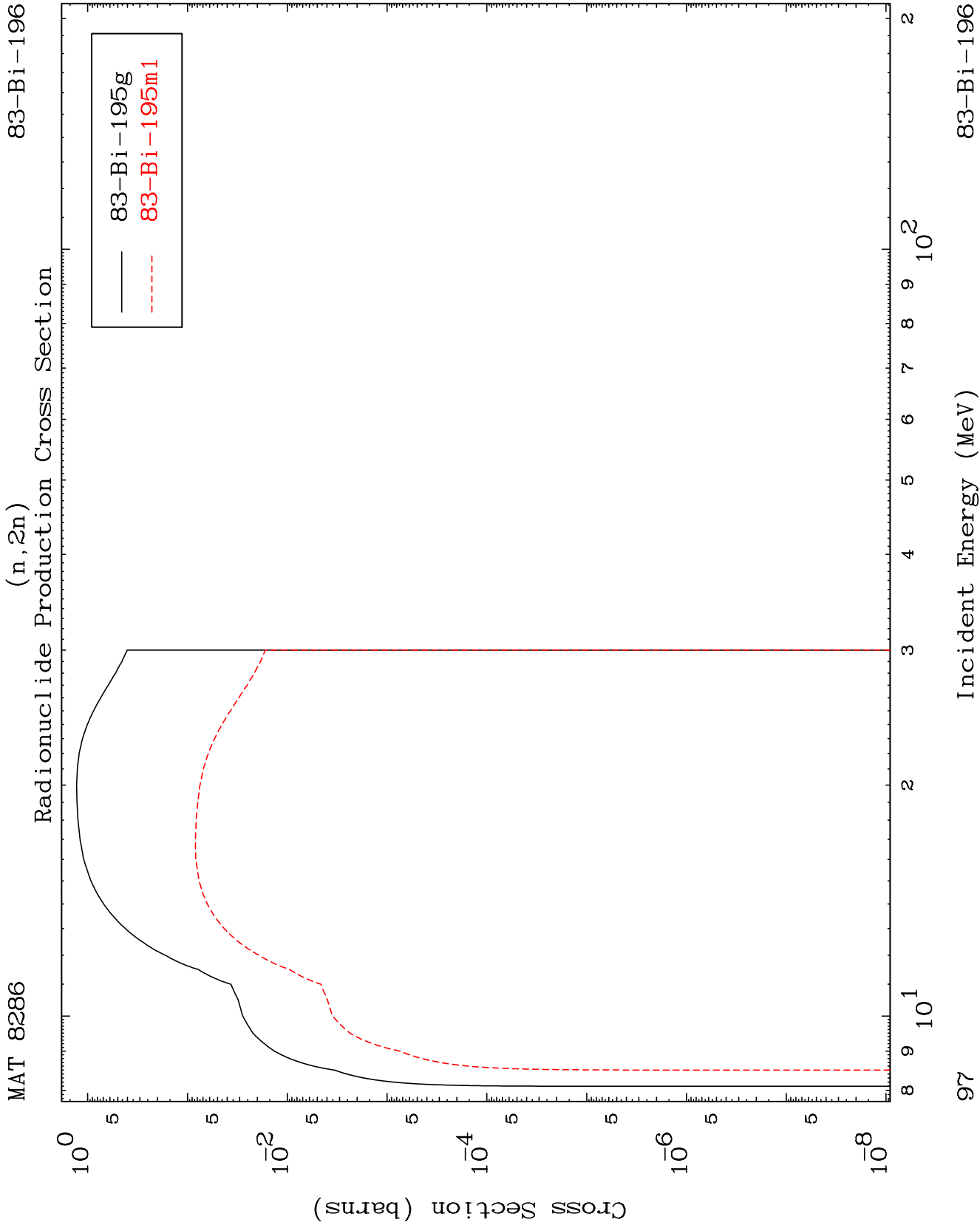




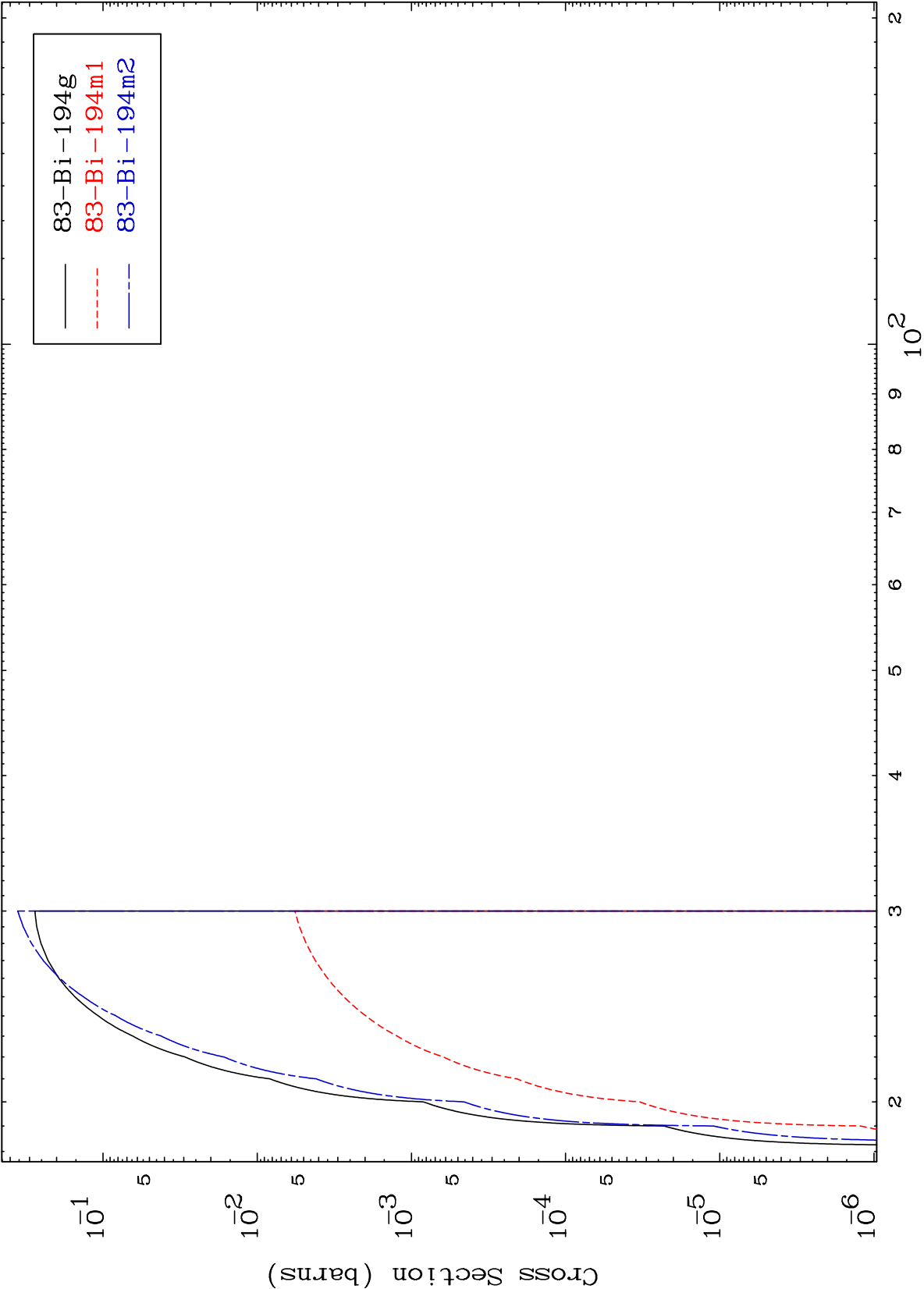
Radionuclide Production Cross Section







Radionuclide Production Cross Section
(n,3n)

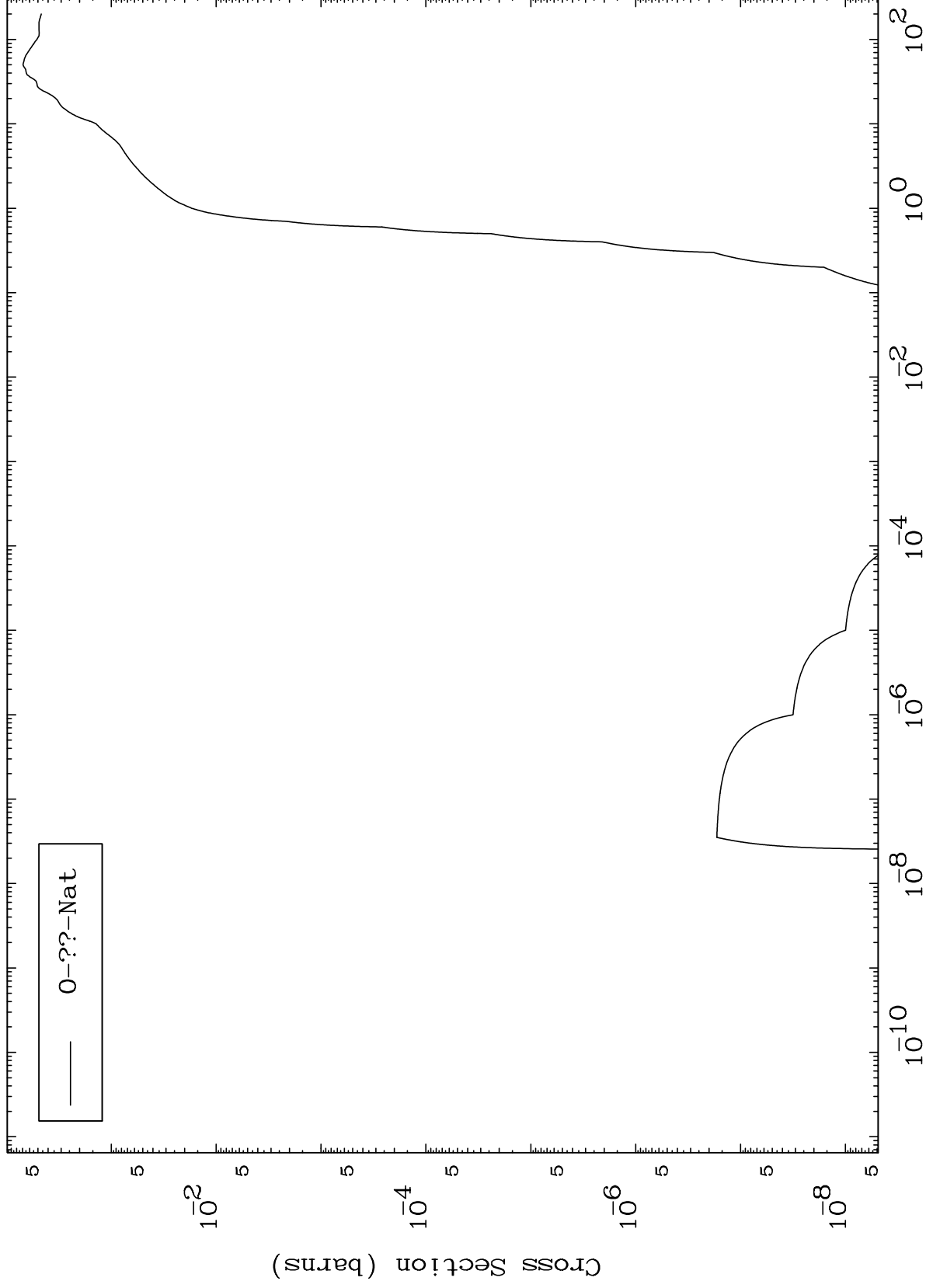


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Fission

83-Bi-196

Radionuclide Production Cross Section



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Incident Energy (MeV)

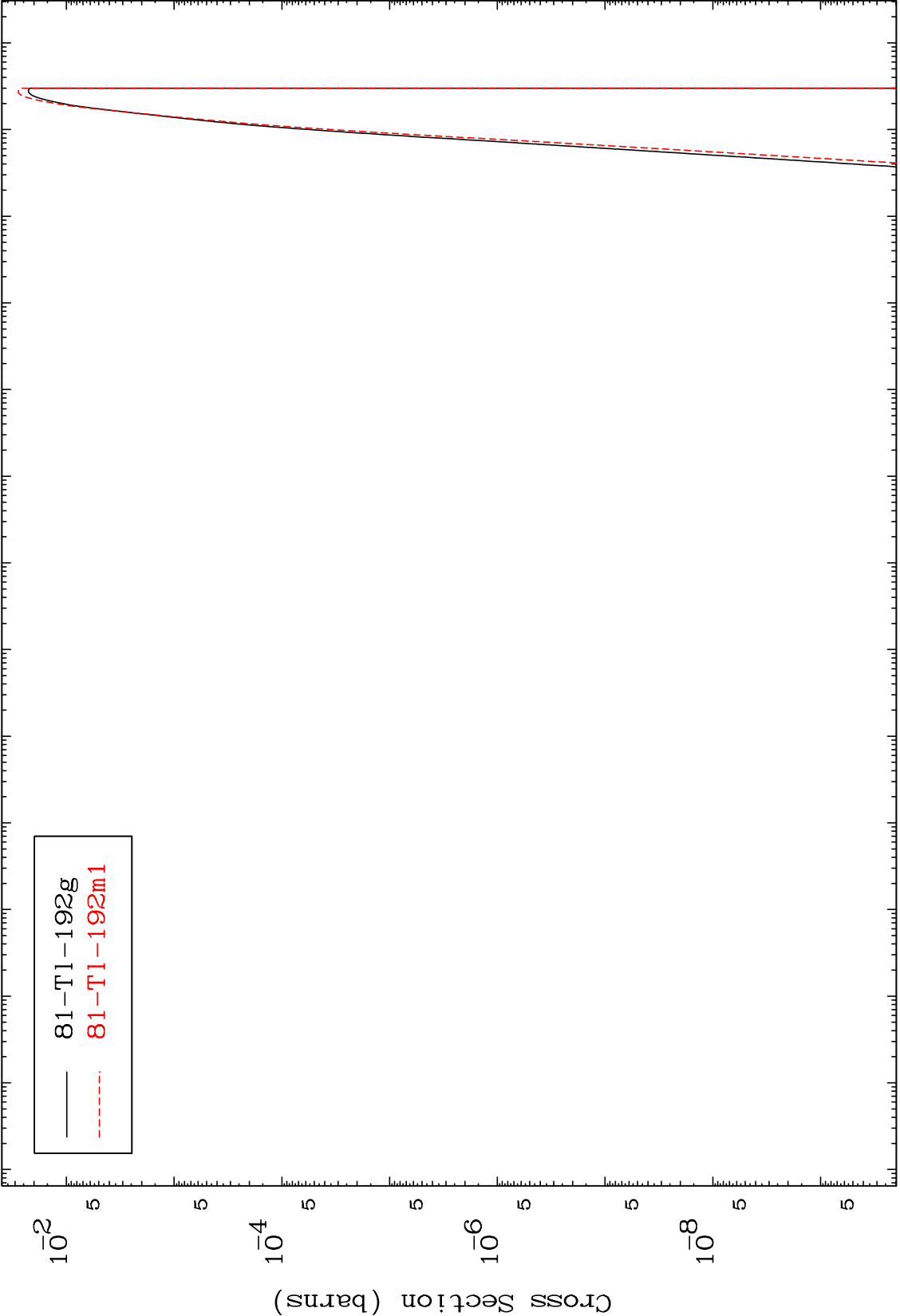
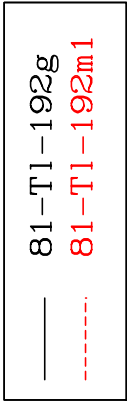
83-Bi-196

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$(n,n') \alpha$

83-Bi-196

Radionuclide Production Cross Section

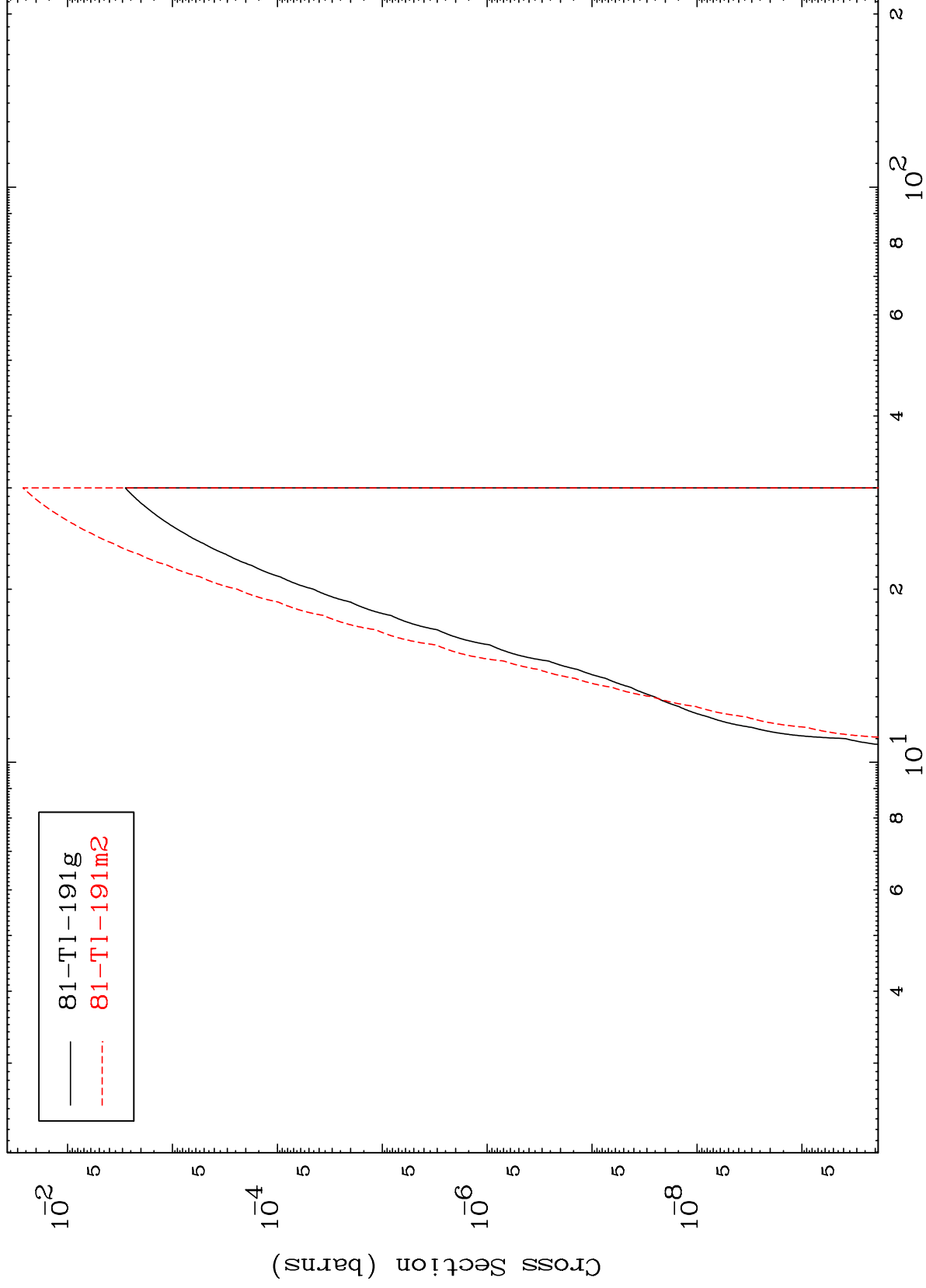


100

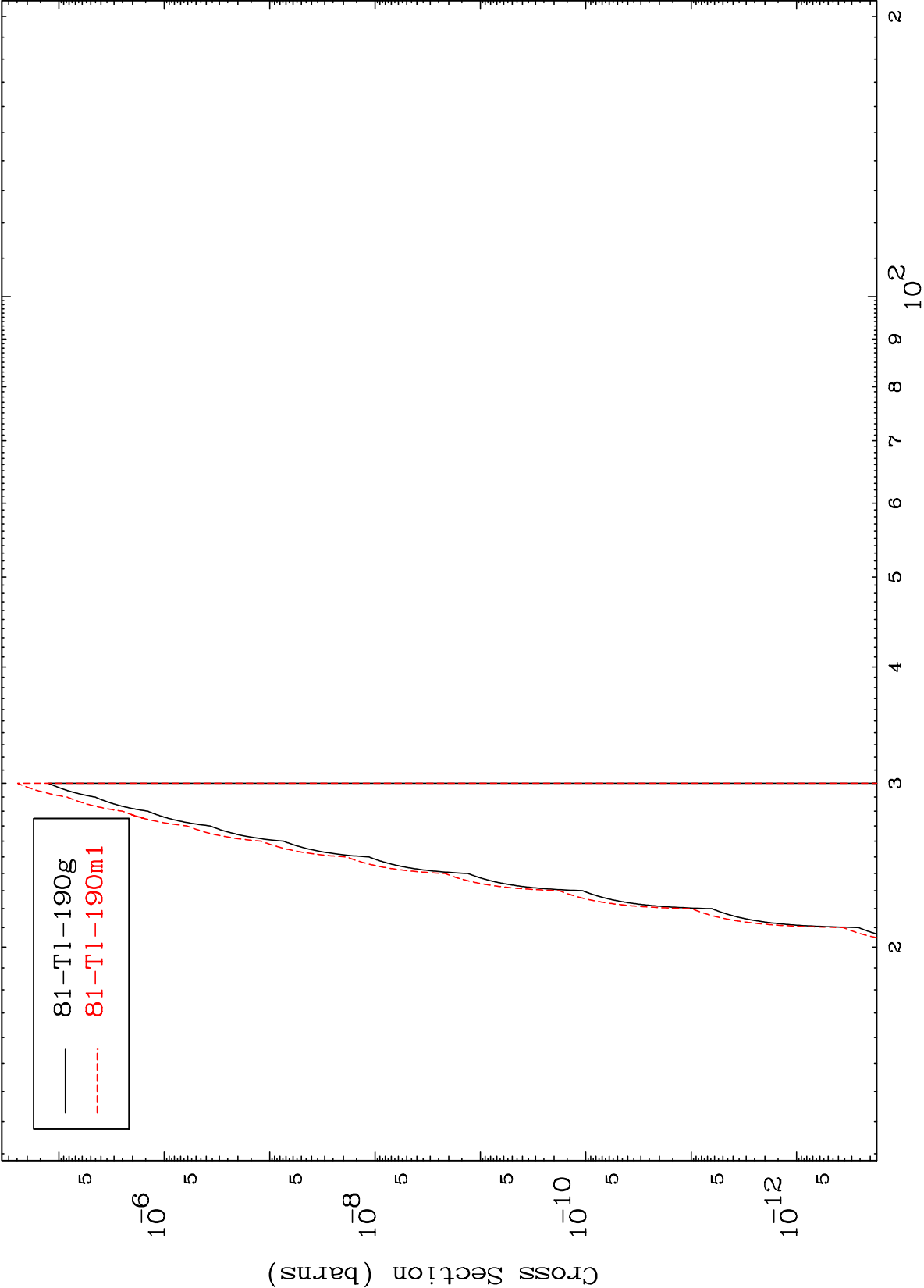
Incident Energy (MeV)

83-Bi-196

Radionuclide Production Cross Section
(n,2n) α



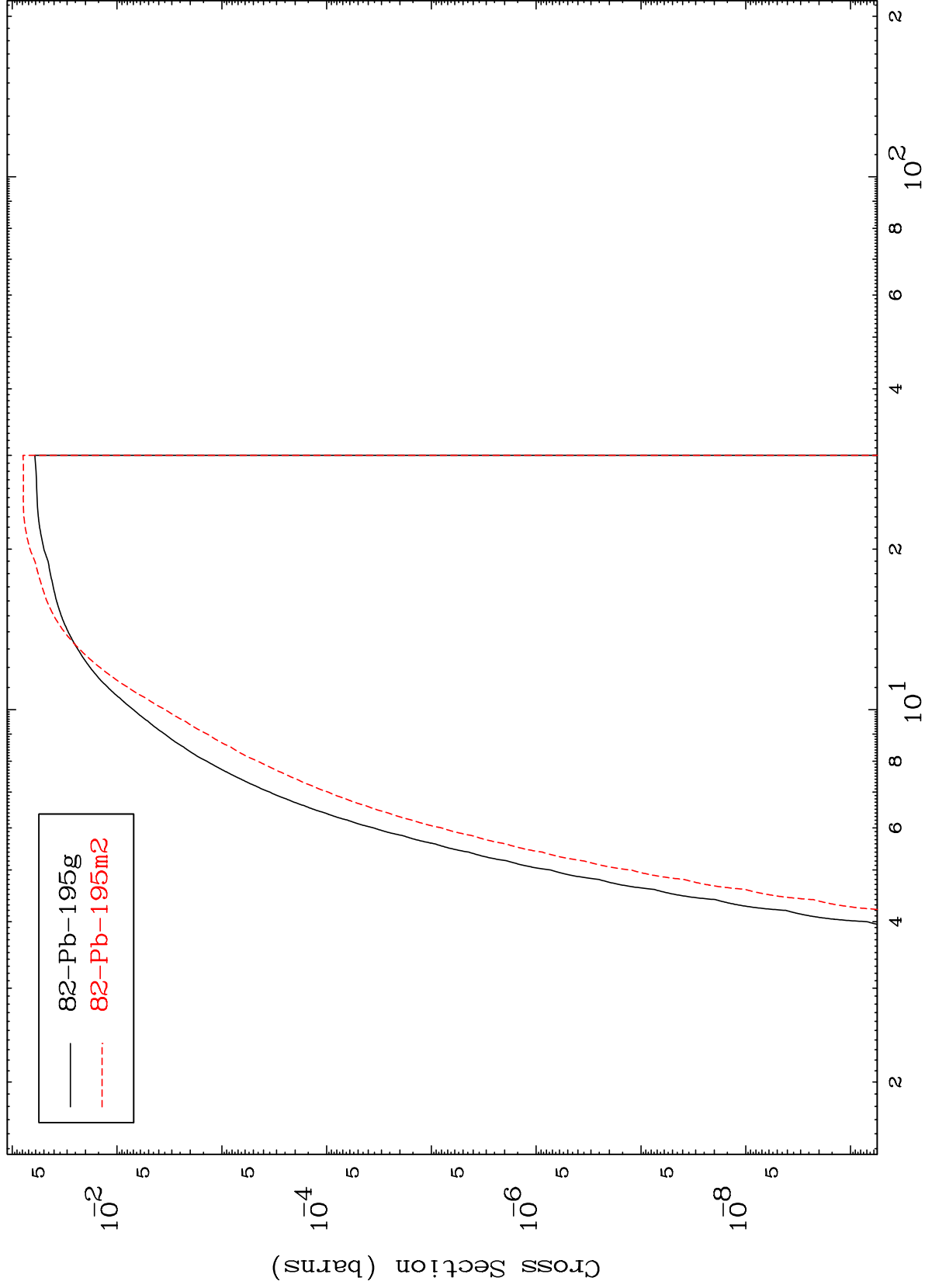
(n,3n) α
Radionuclide Production Cross Section



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83-Bi-196

(n,n') p
Radionuclide Production Cross Section



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Incident Energy (MeV)

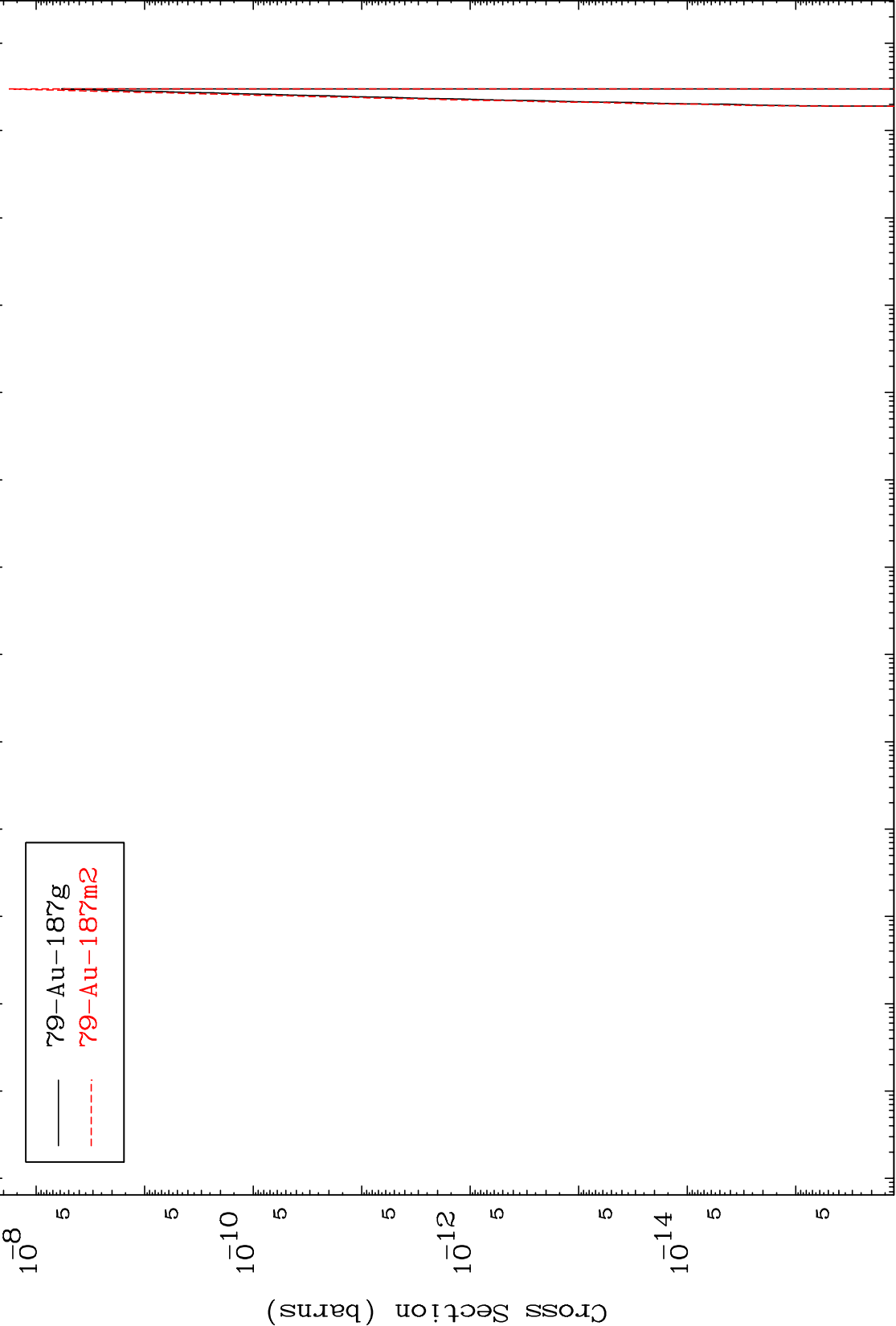
83-Bi-196

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(n,2n) 2 α

83-Bi-196

Radionuclide Production Cross Section

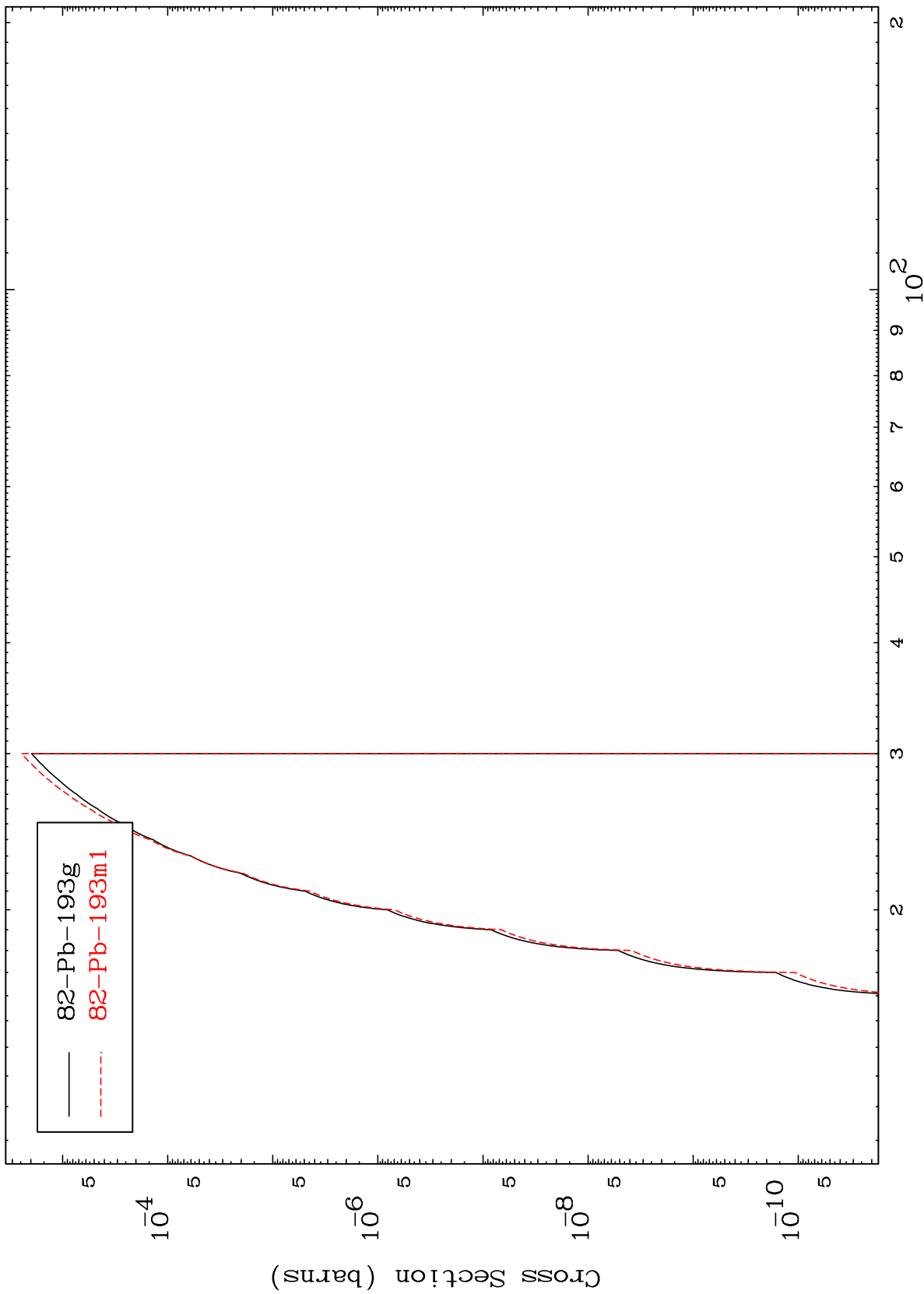


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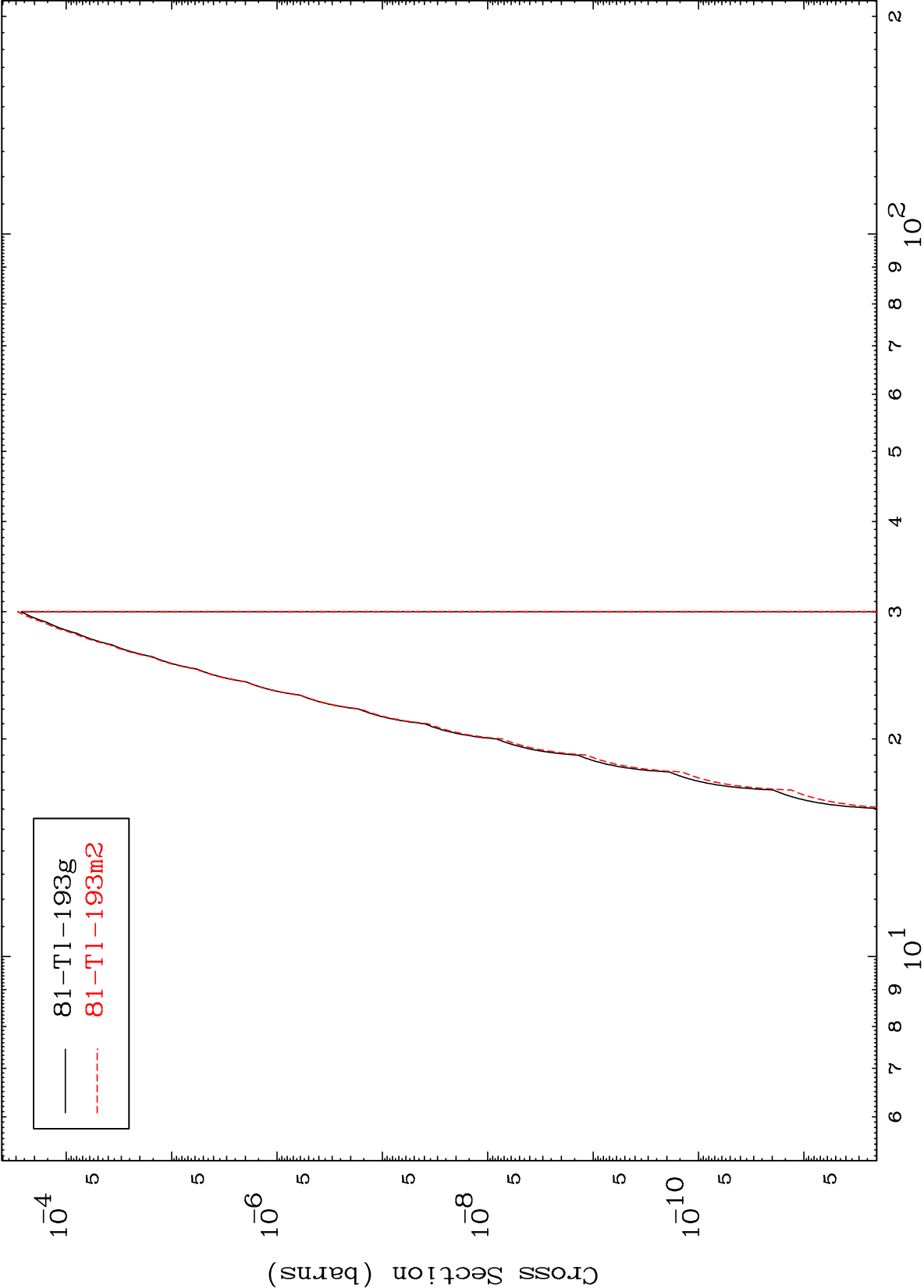
Incident Energy (MeV)

83-Bi-196

(n,n') t
Radionuclide Production Cross Section



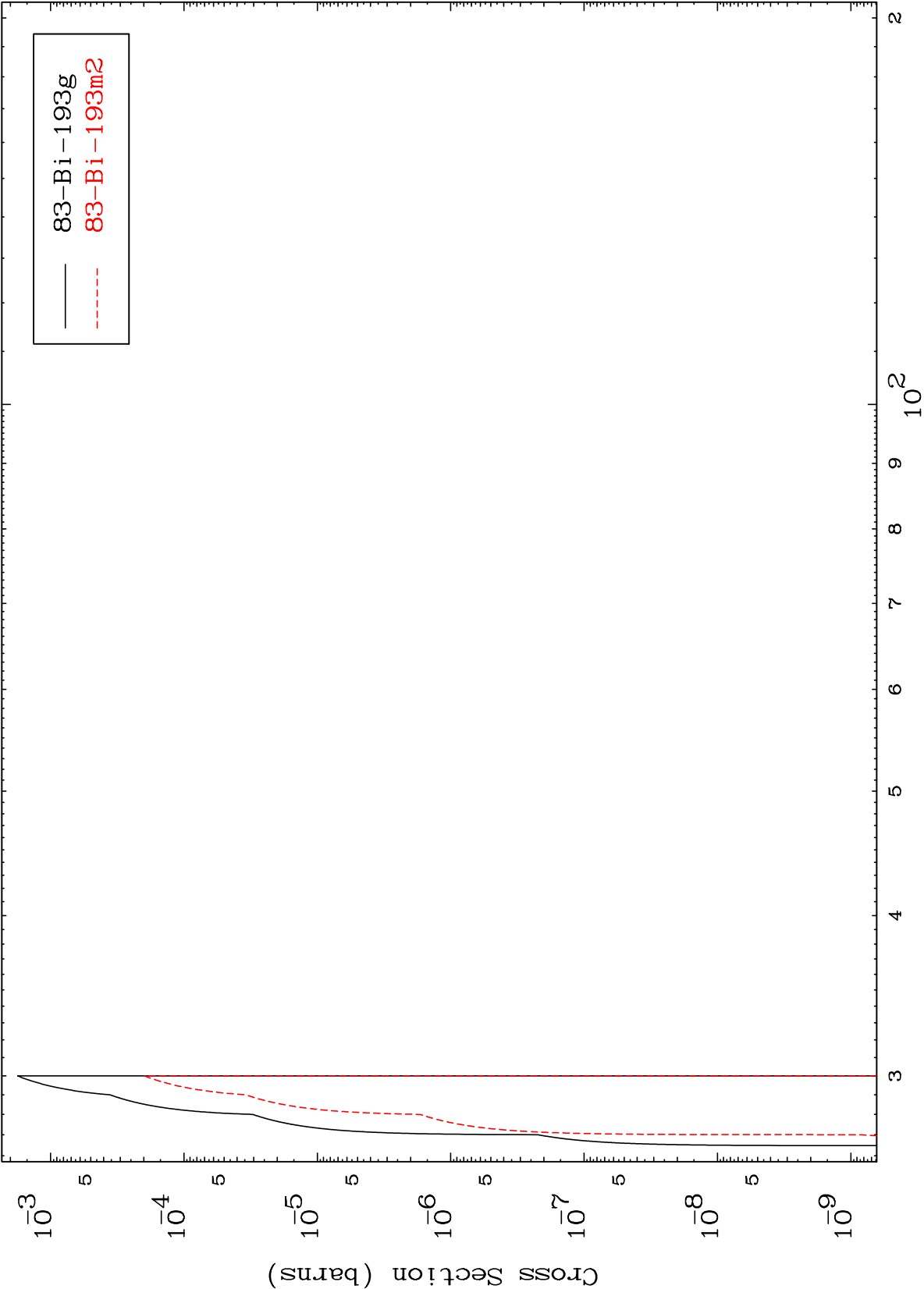
Radionuclide Production Cross Section



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$(n,4n)$
Radionuclide Production Cross Section



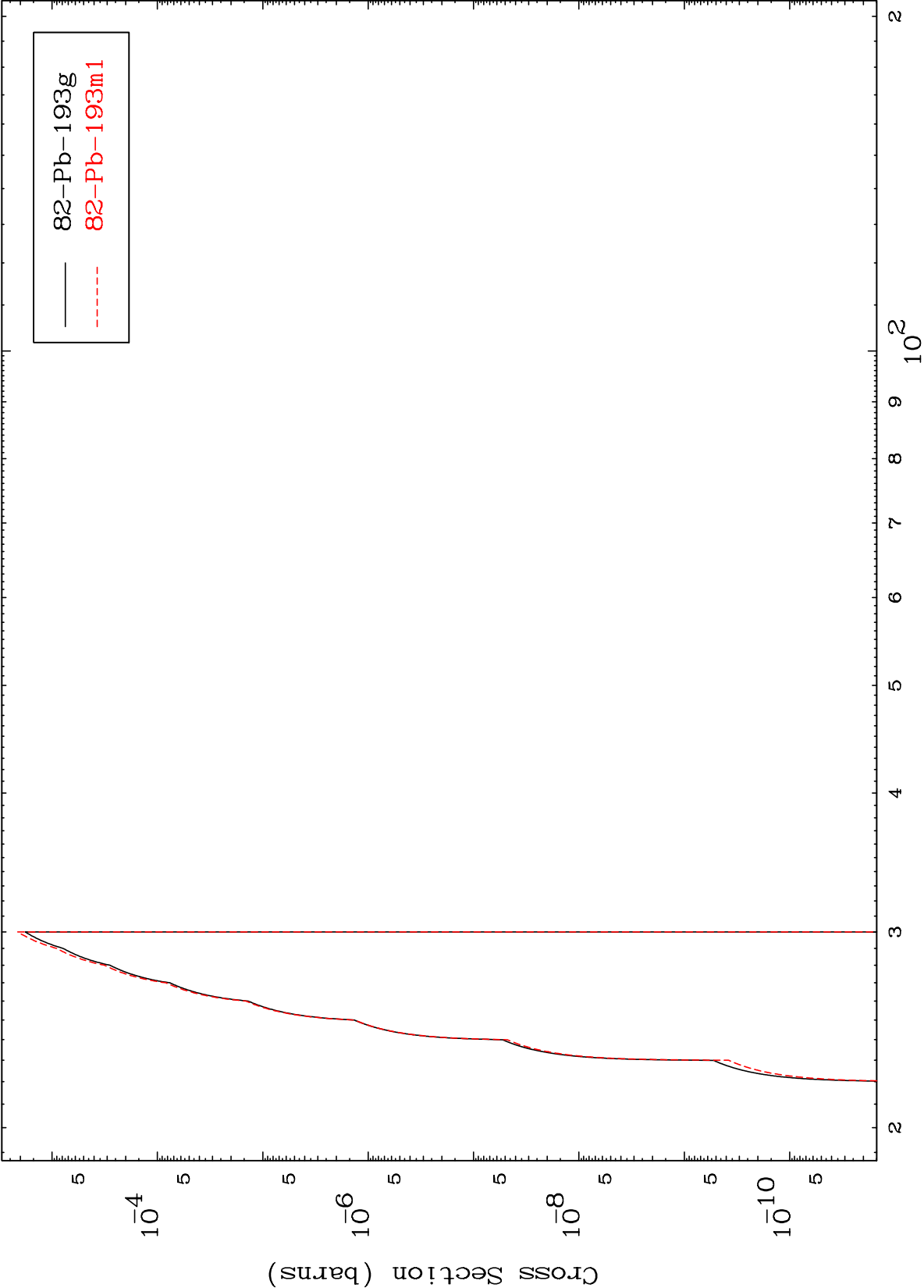
107

83-Bi-196

MAT 8286

83-Bi-196

(n,3n) p
Radionuclide Production Cross Section



108

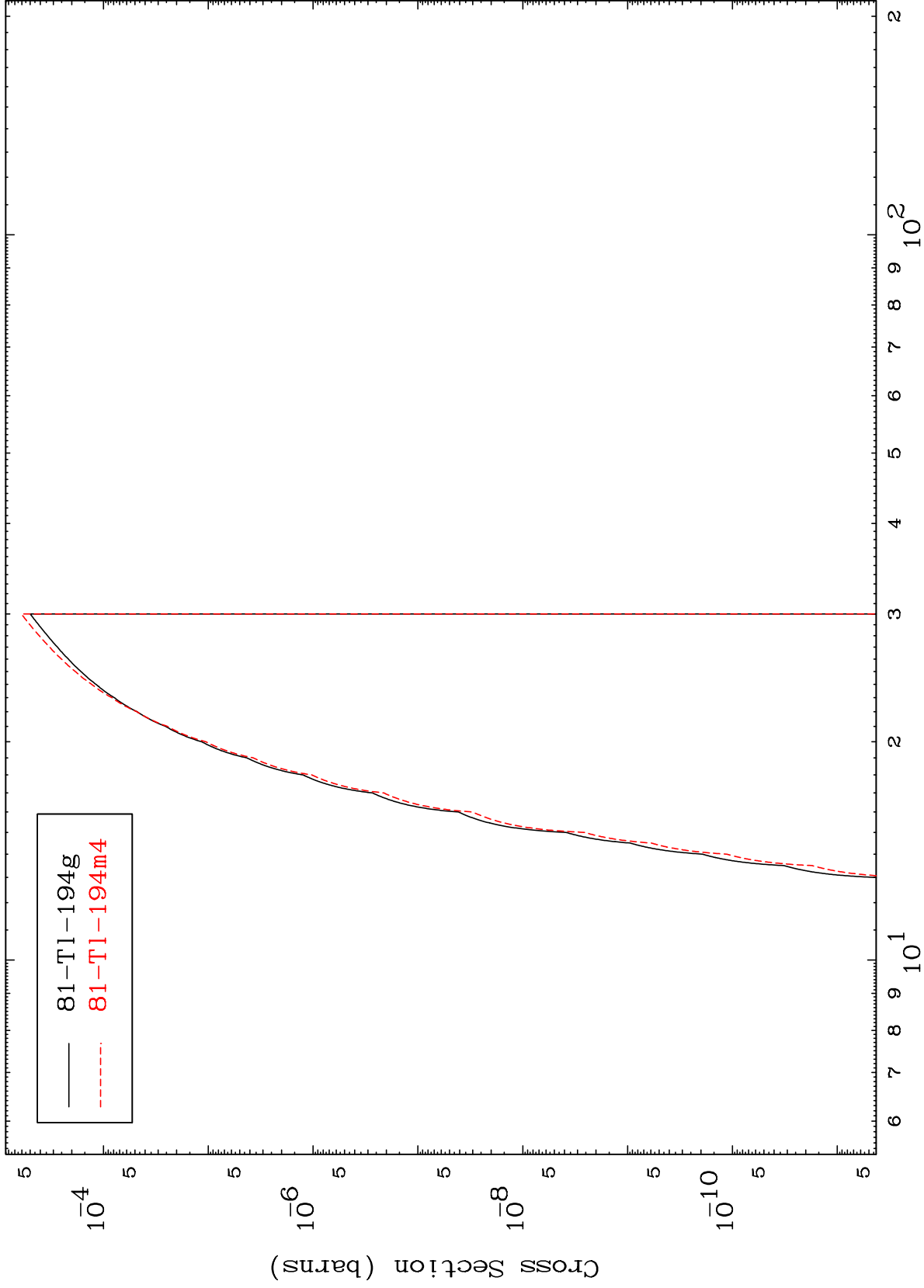
Incident Energy (MeV)

83-Bi-196

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83-Bi-196

(n,2n) p
Radionuclide Production Cross Section



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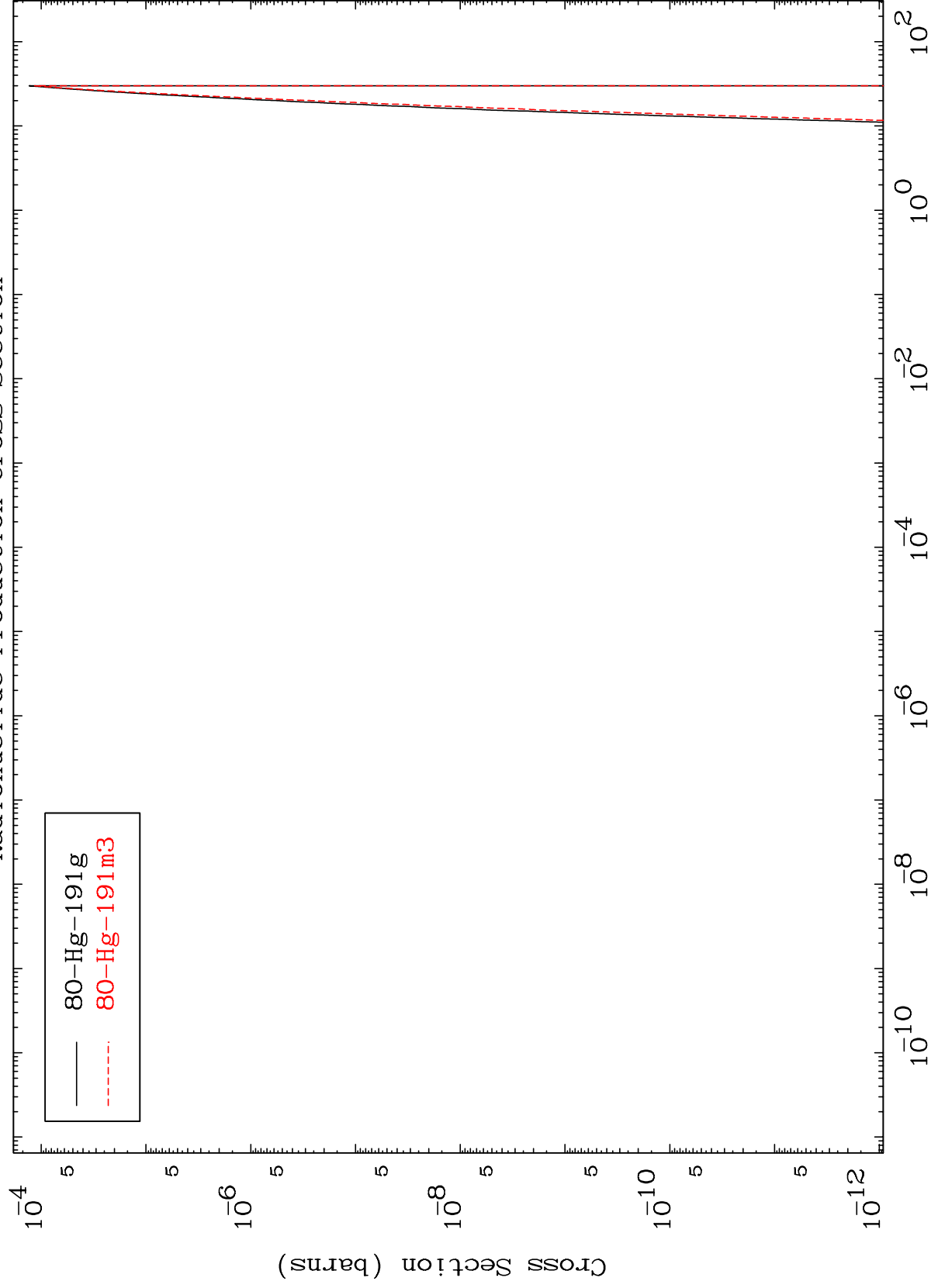
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n,n') p α
Radionuclide Production Cross Section



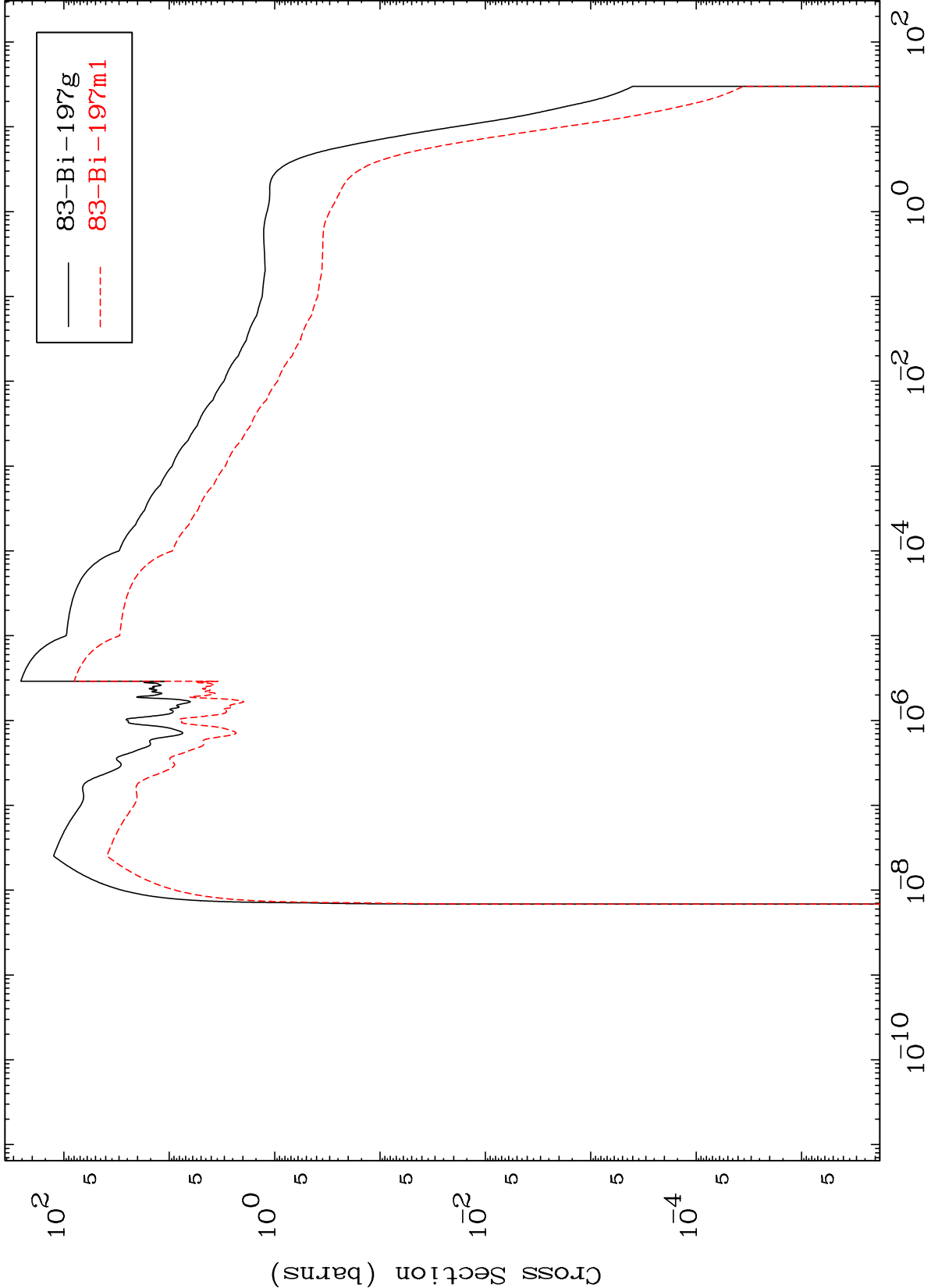
80-Hg-191g
80-Hg-191m3

83-Bi-196

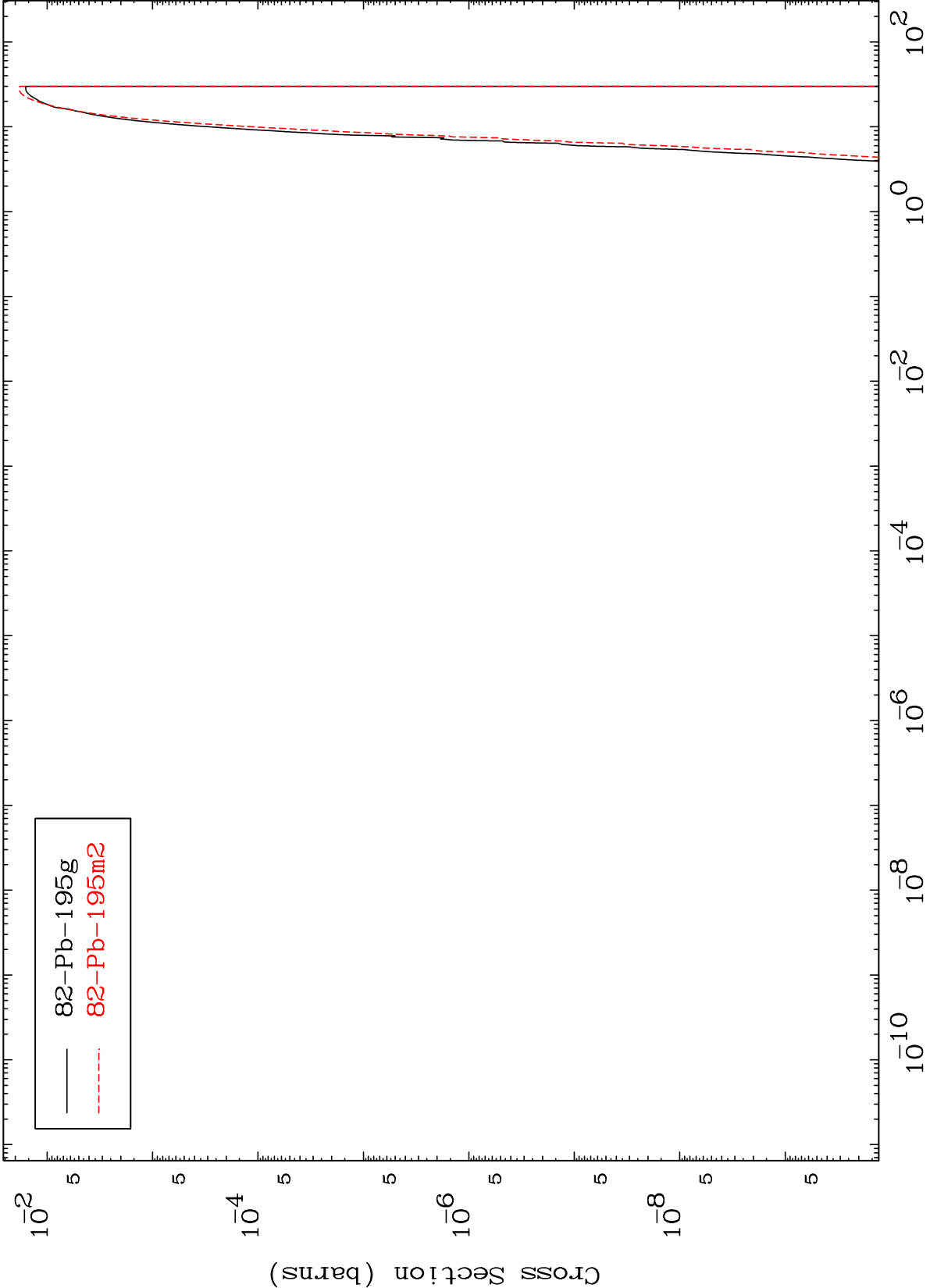
Incident Energy (MeV)

110

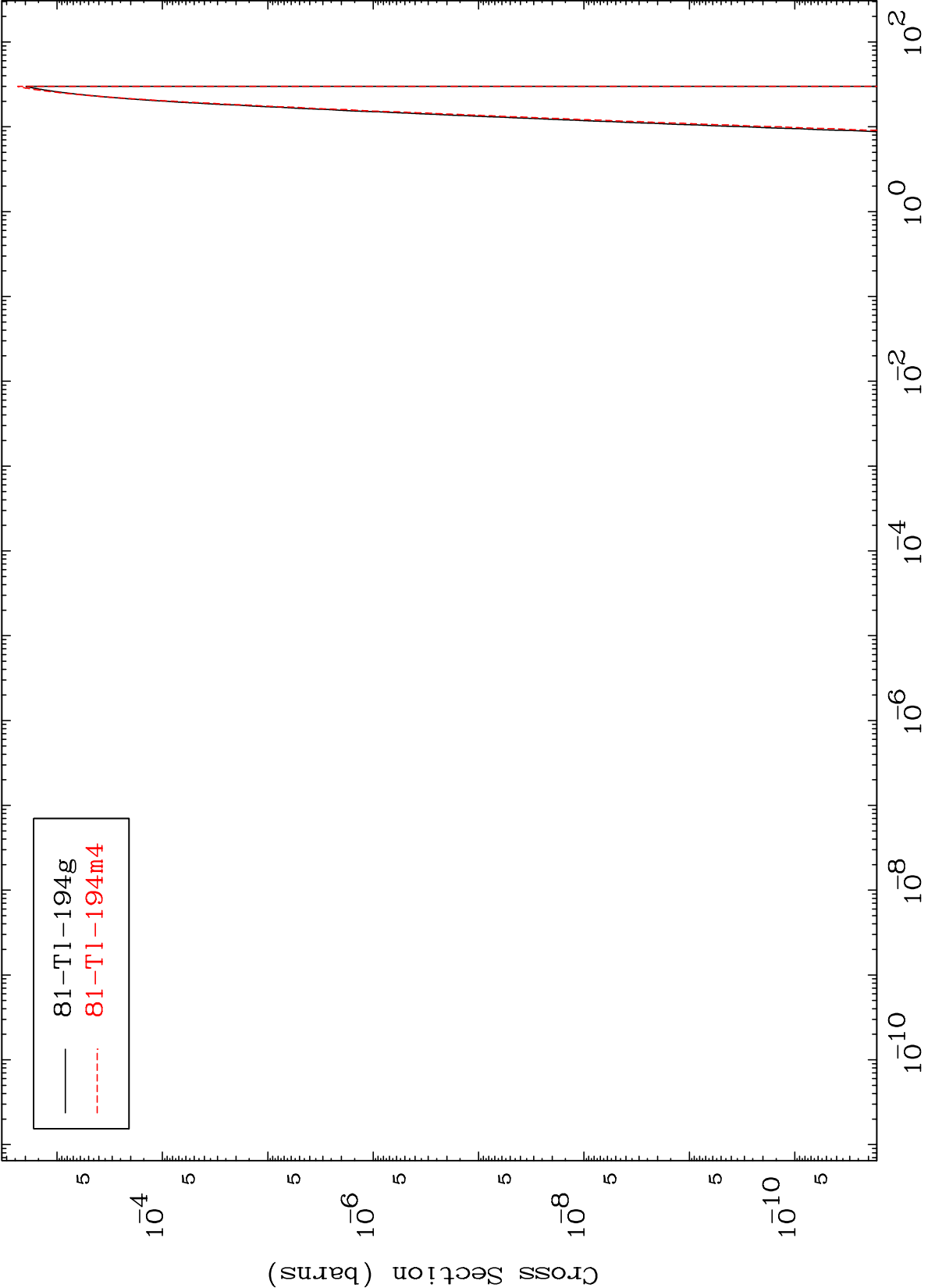
Radionuclide Production Cross Section
(n, γ)



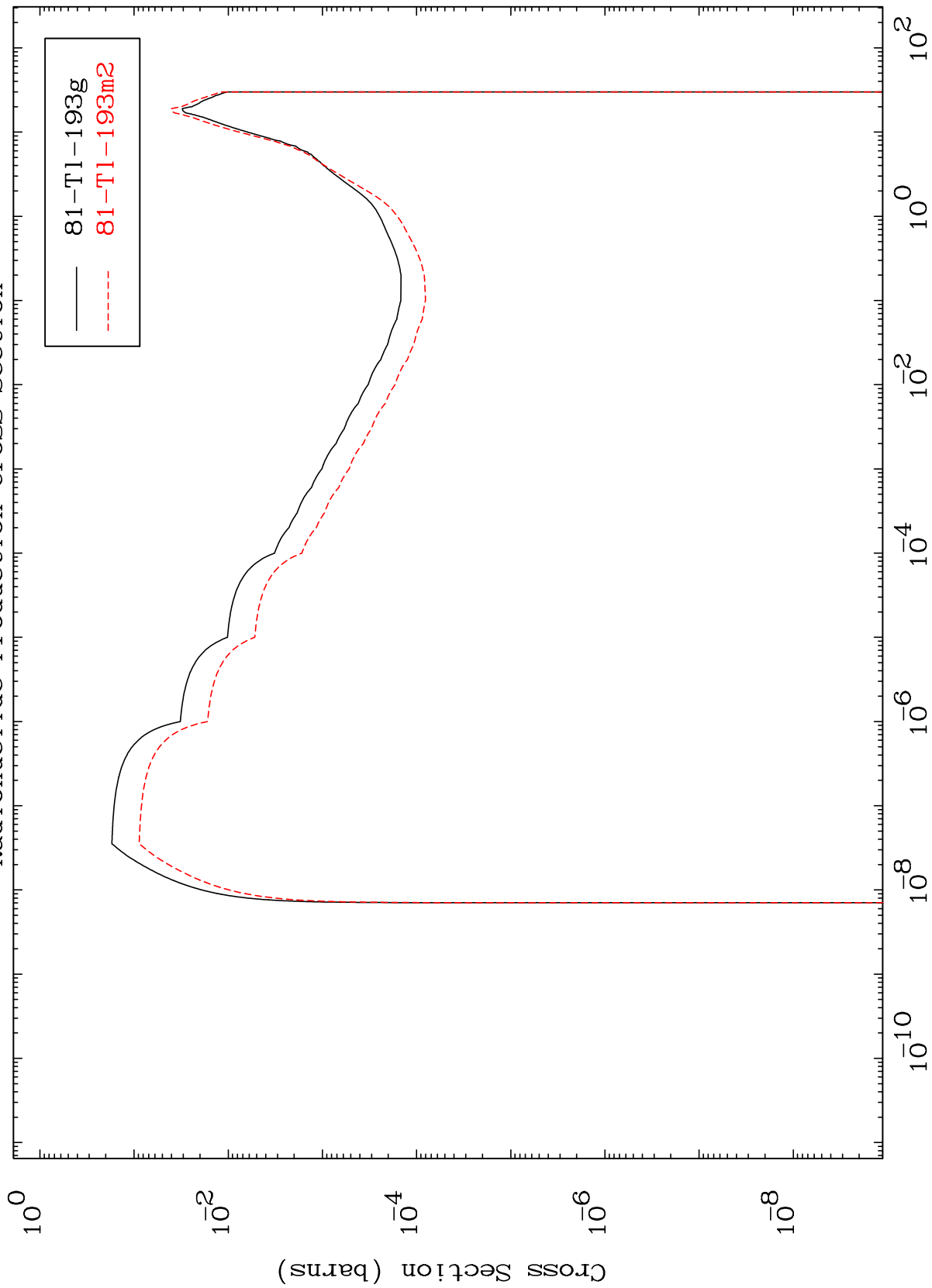
Radionuclide Production Cross Section



Radionuclide Production Cross Section



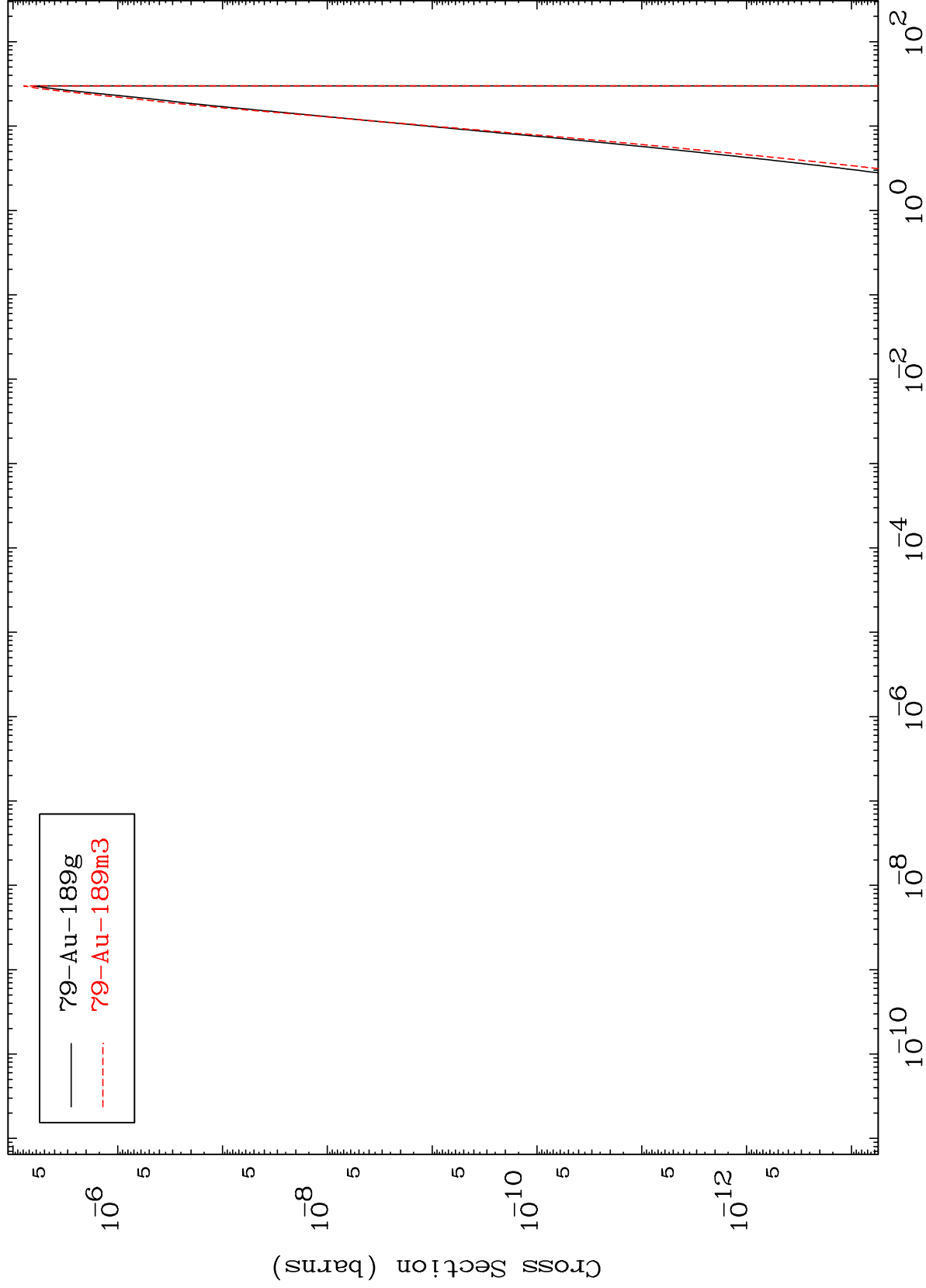
(n, α)
Radionuclide Production Cross Section



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(n,2 α)
Radionuclide Production Cross Section



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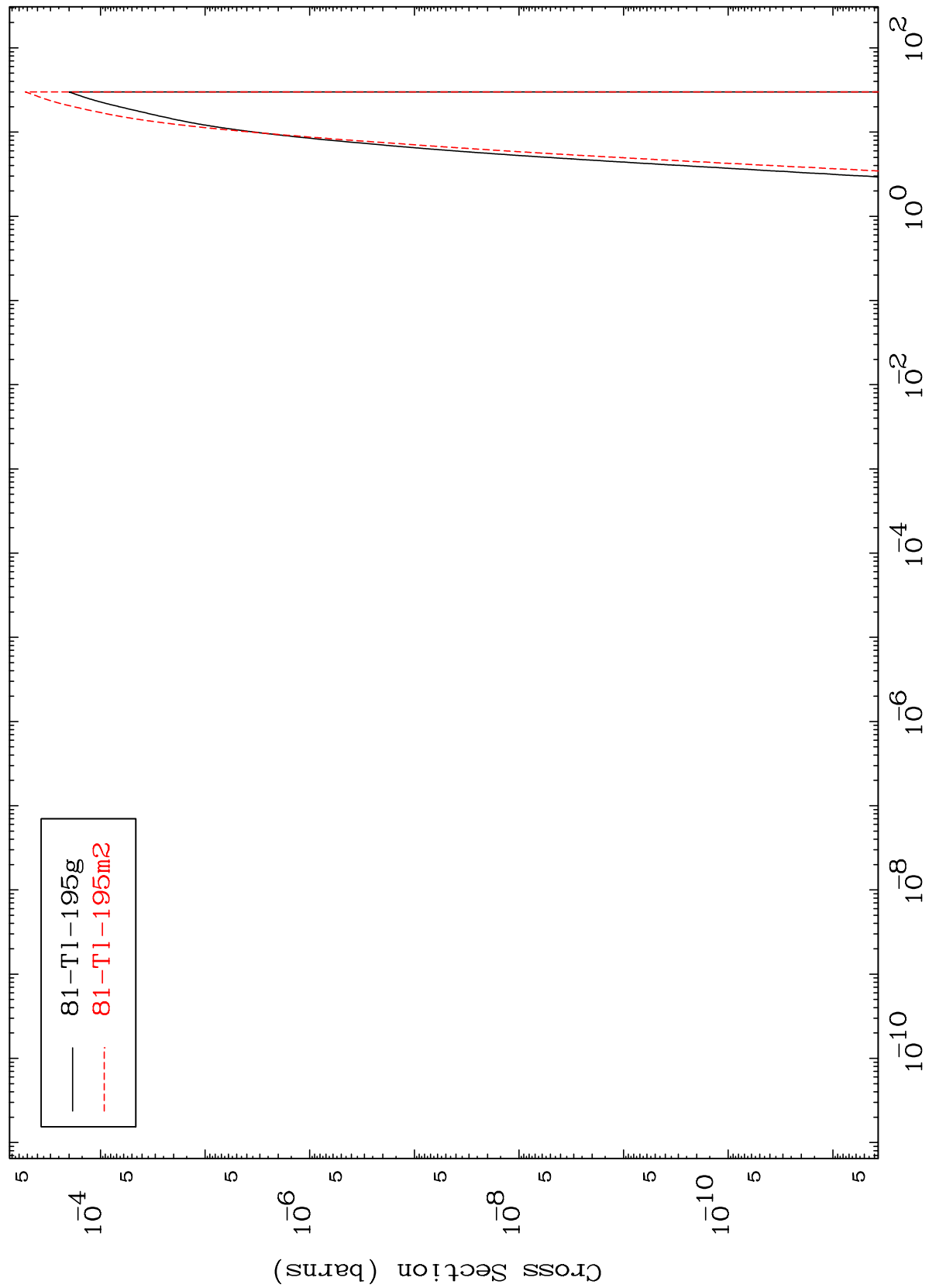
Incident Energy (MeV)

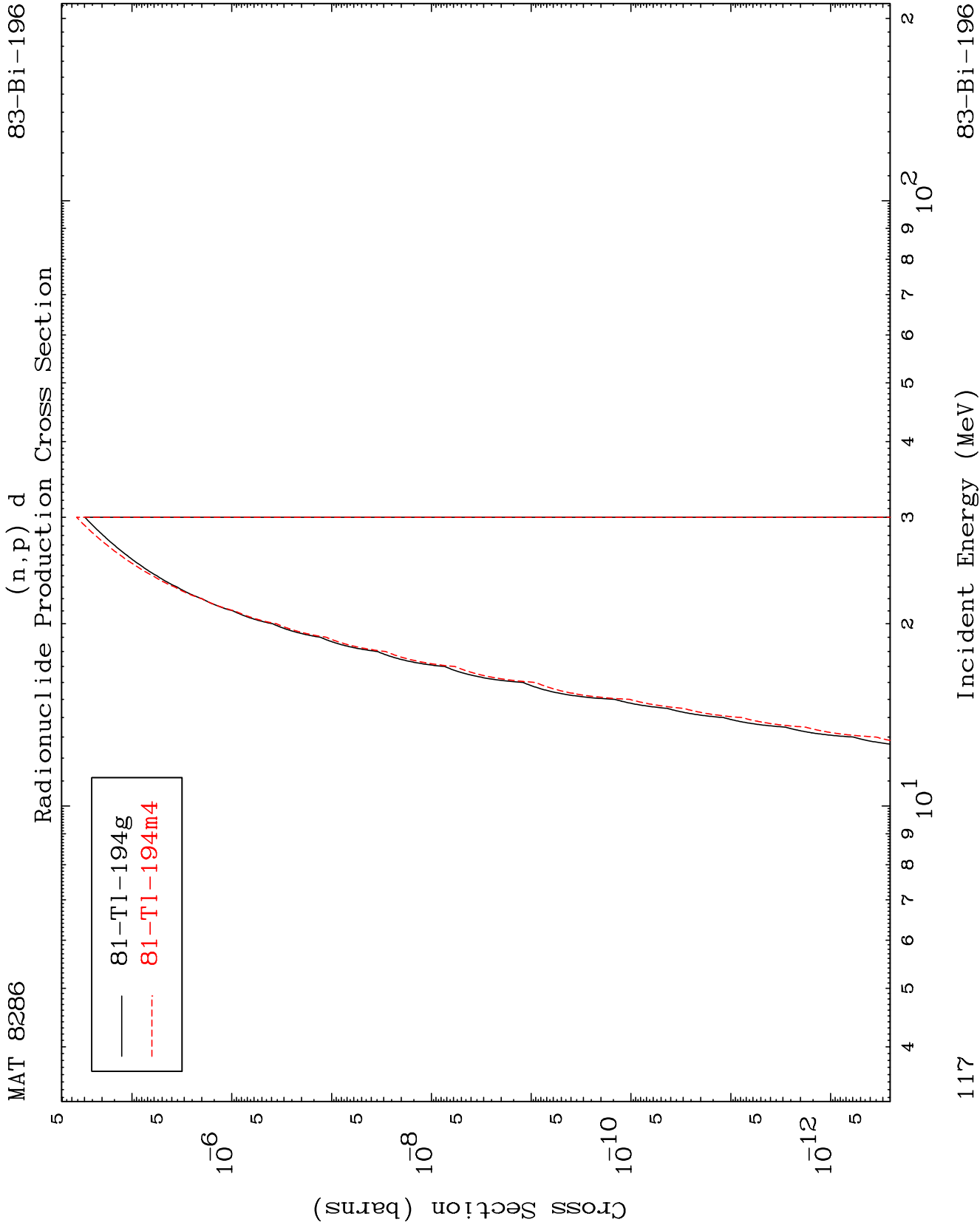
83-Bi-196

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83-Bi-196

(n,2p)
Radionuclide Production Cross Section

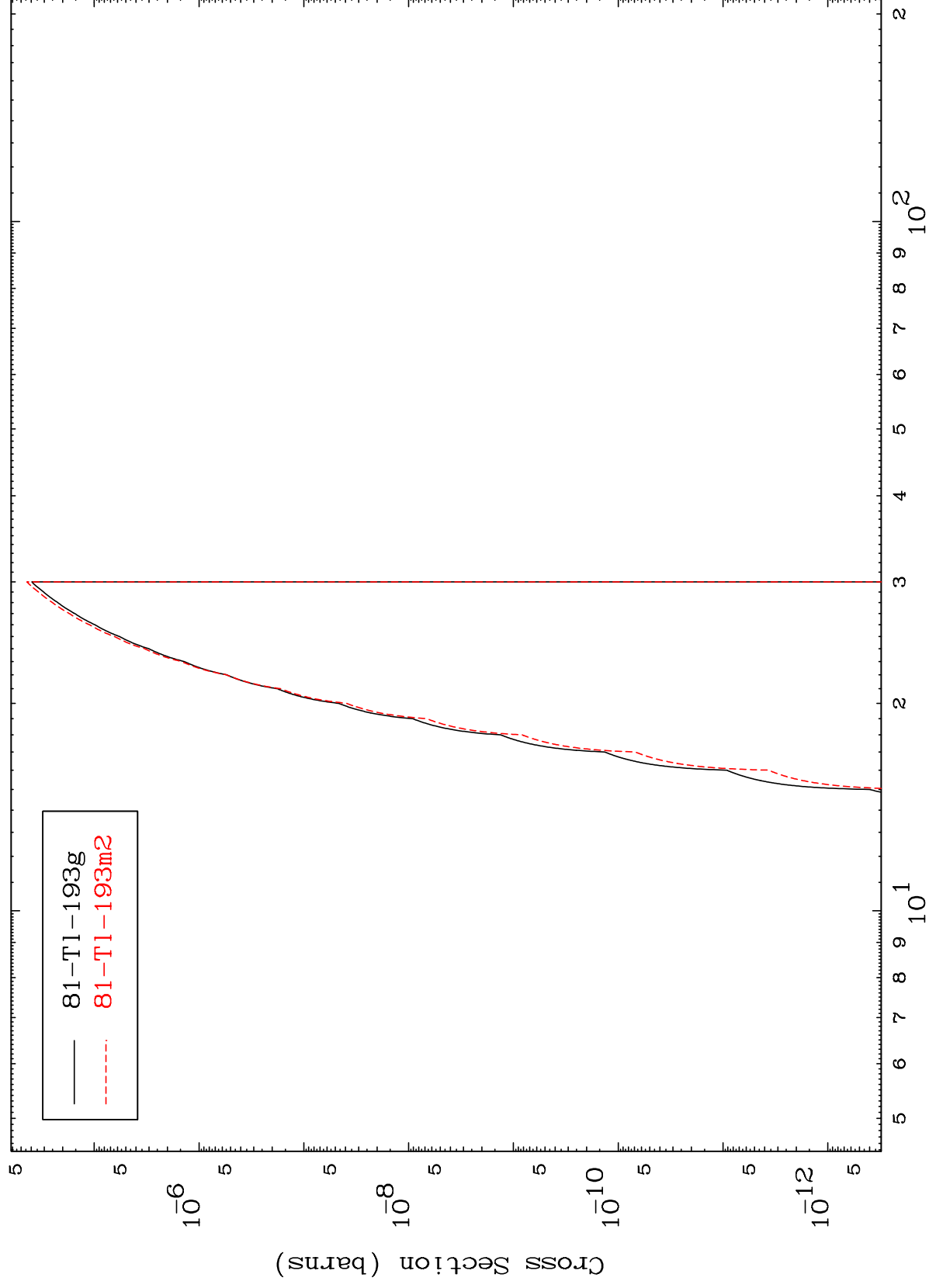




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83-Bi-196

(n,p) t
Radionuclide Production Cross Section



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Incident Energy (MeV)

83-Bi-196

