

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

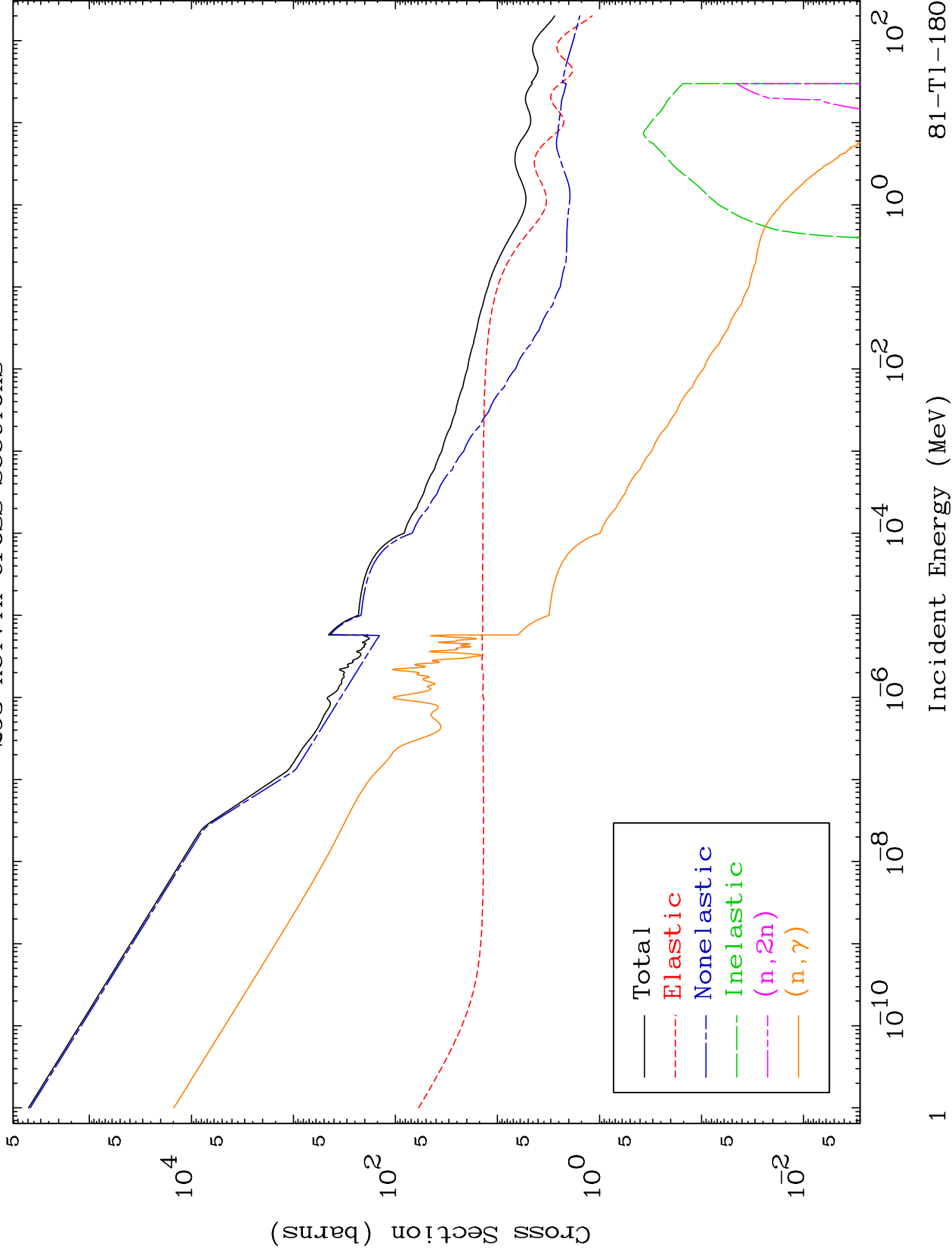
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8056

Neutron Major
293 Kelvin Cross Sections

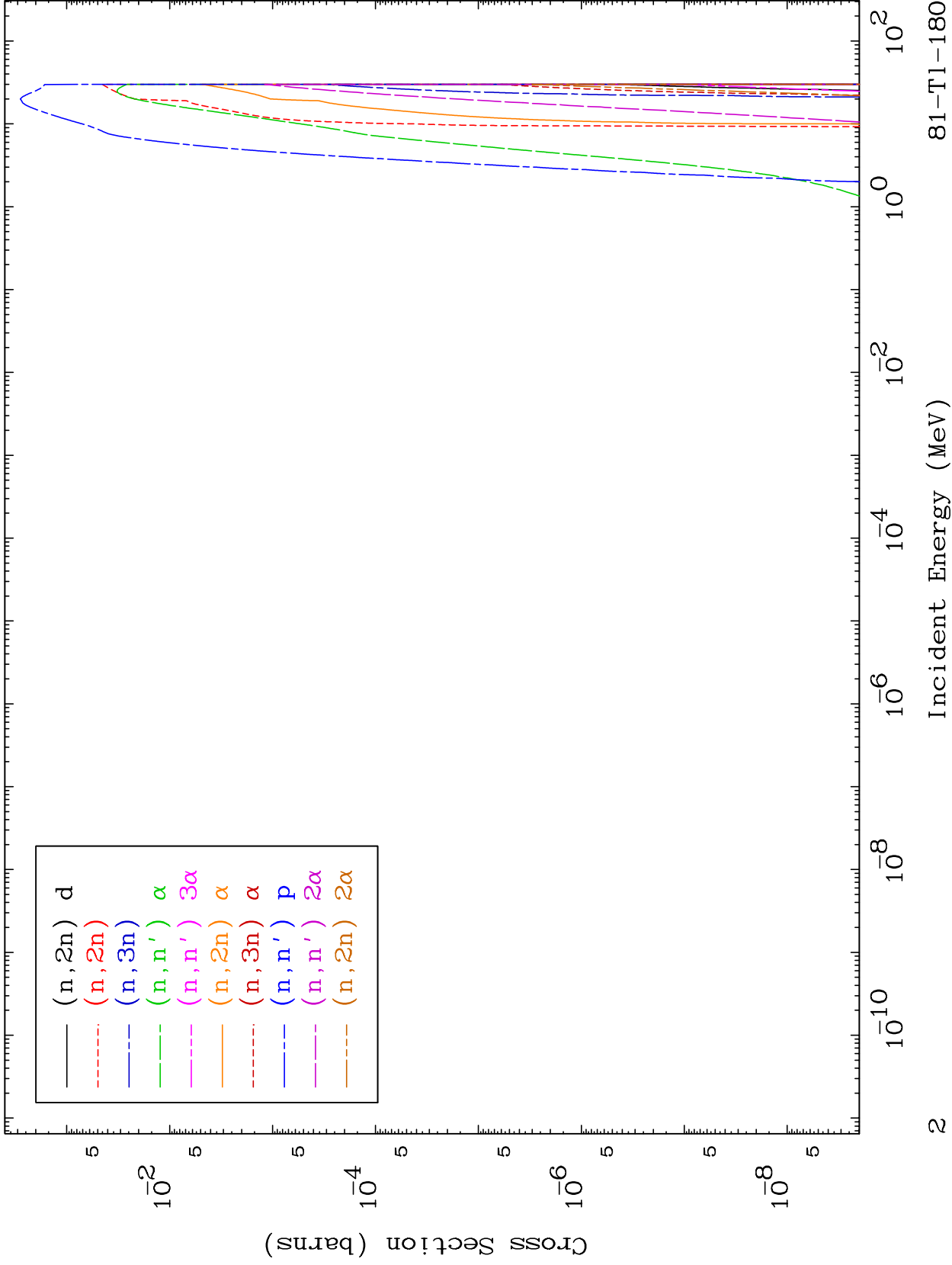
81-Tl-180



MAT 8056

Neutron Absorption
293 Kelvin Cross Sections

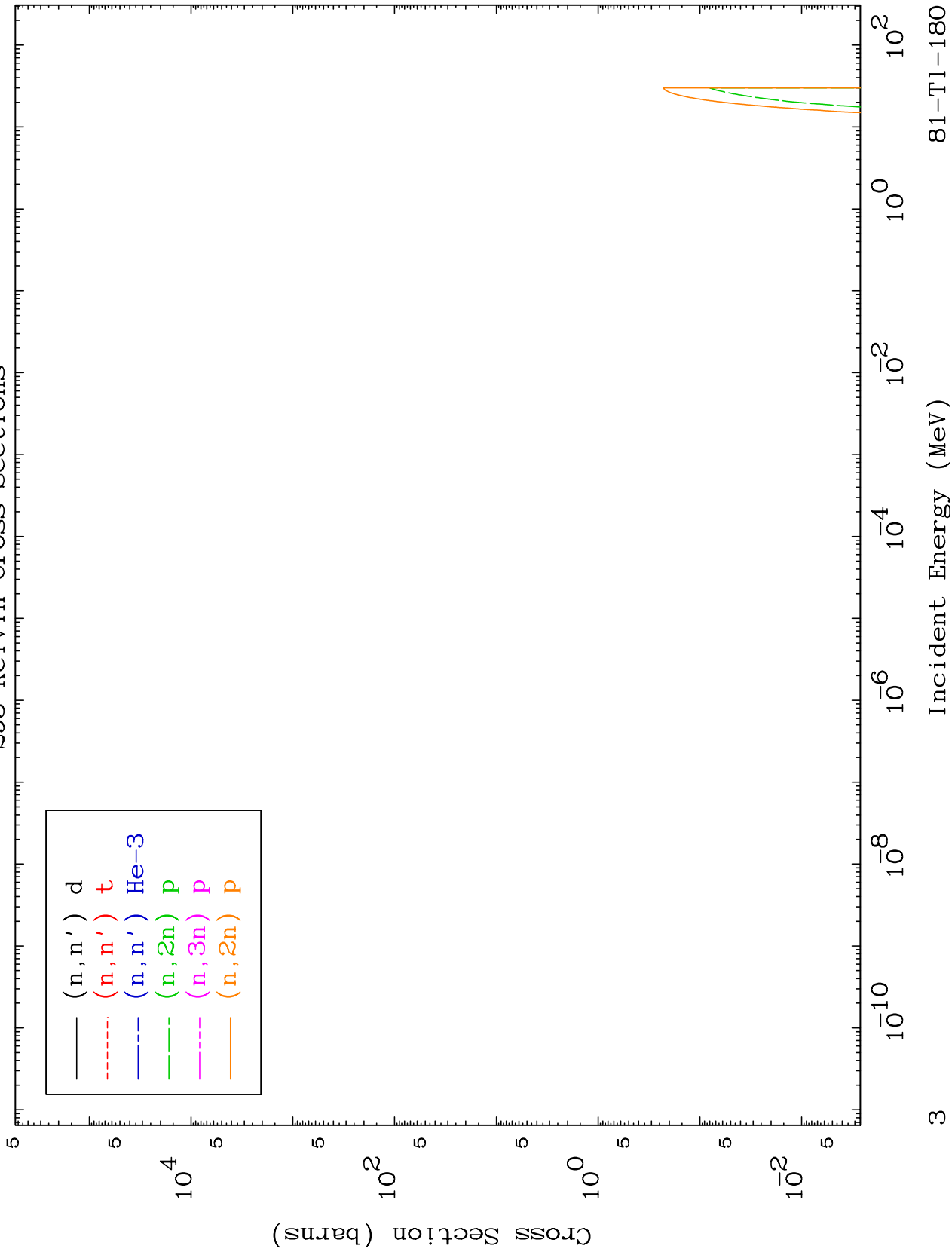
81-Tl-180



MAT 8056

Neutron Absorption
293 Kelvin Cross Sections

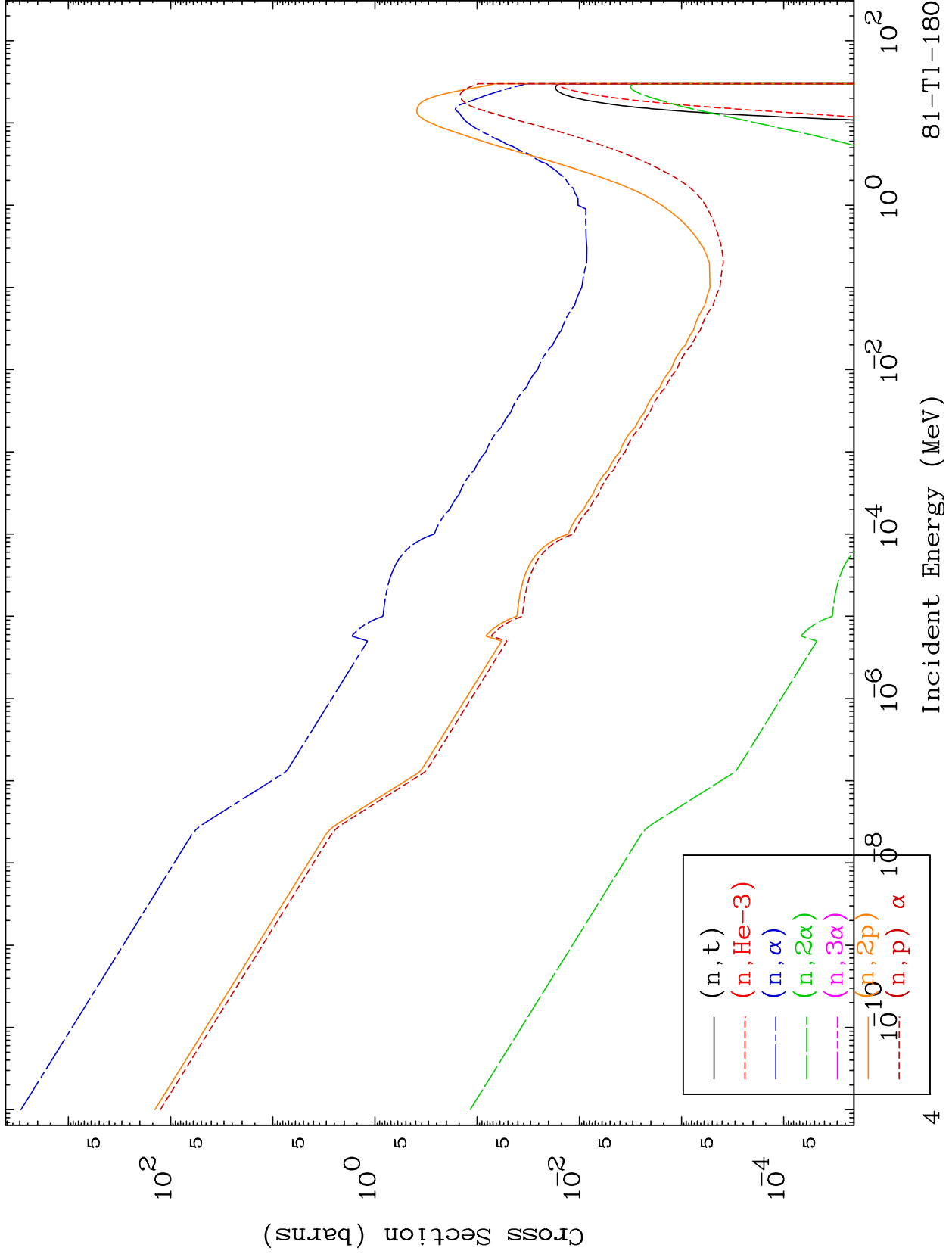
81-Tl-180

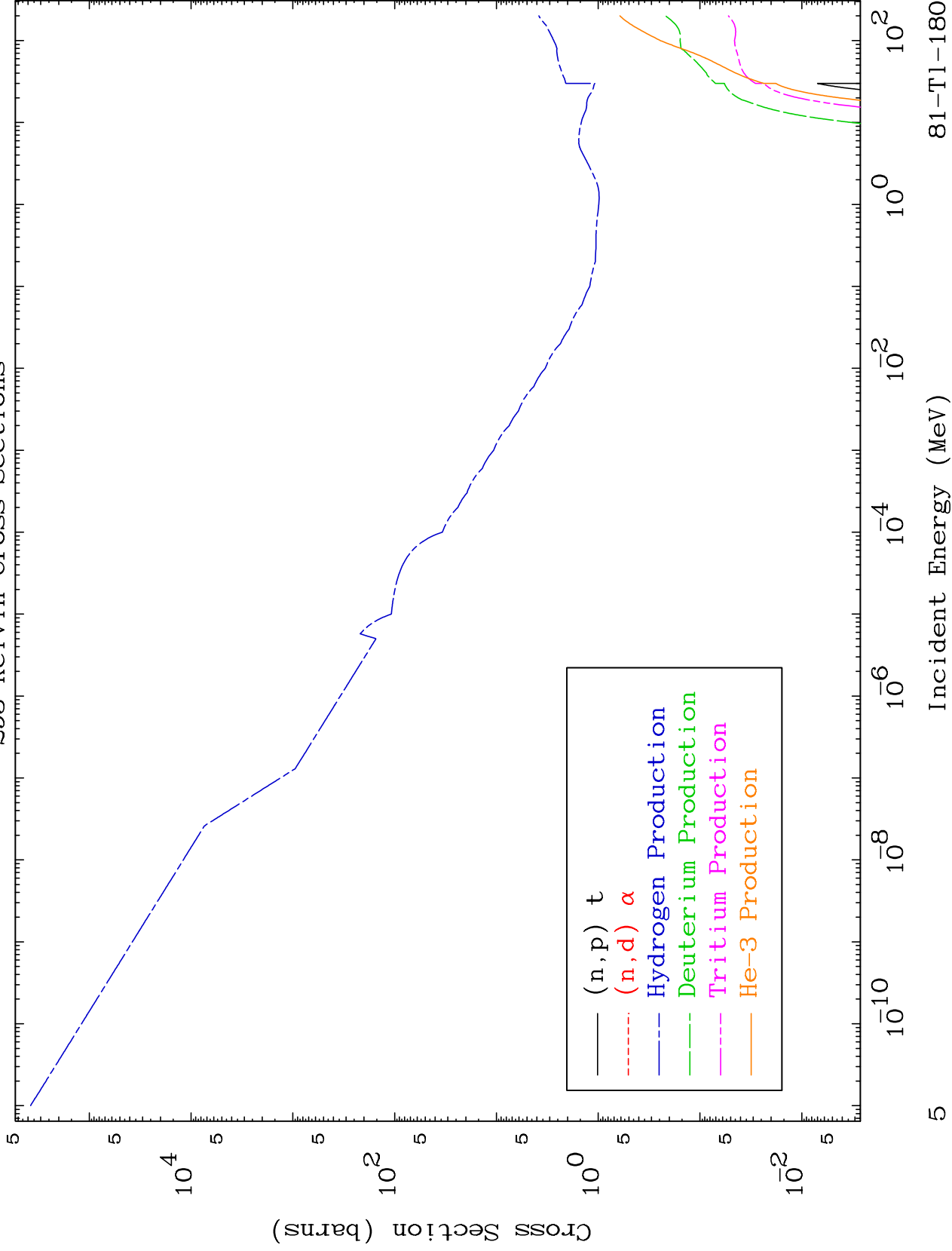


MAT 8056

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-180

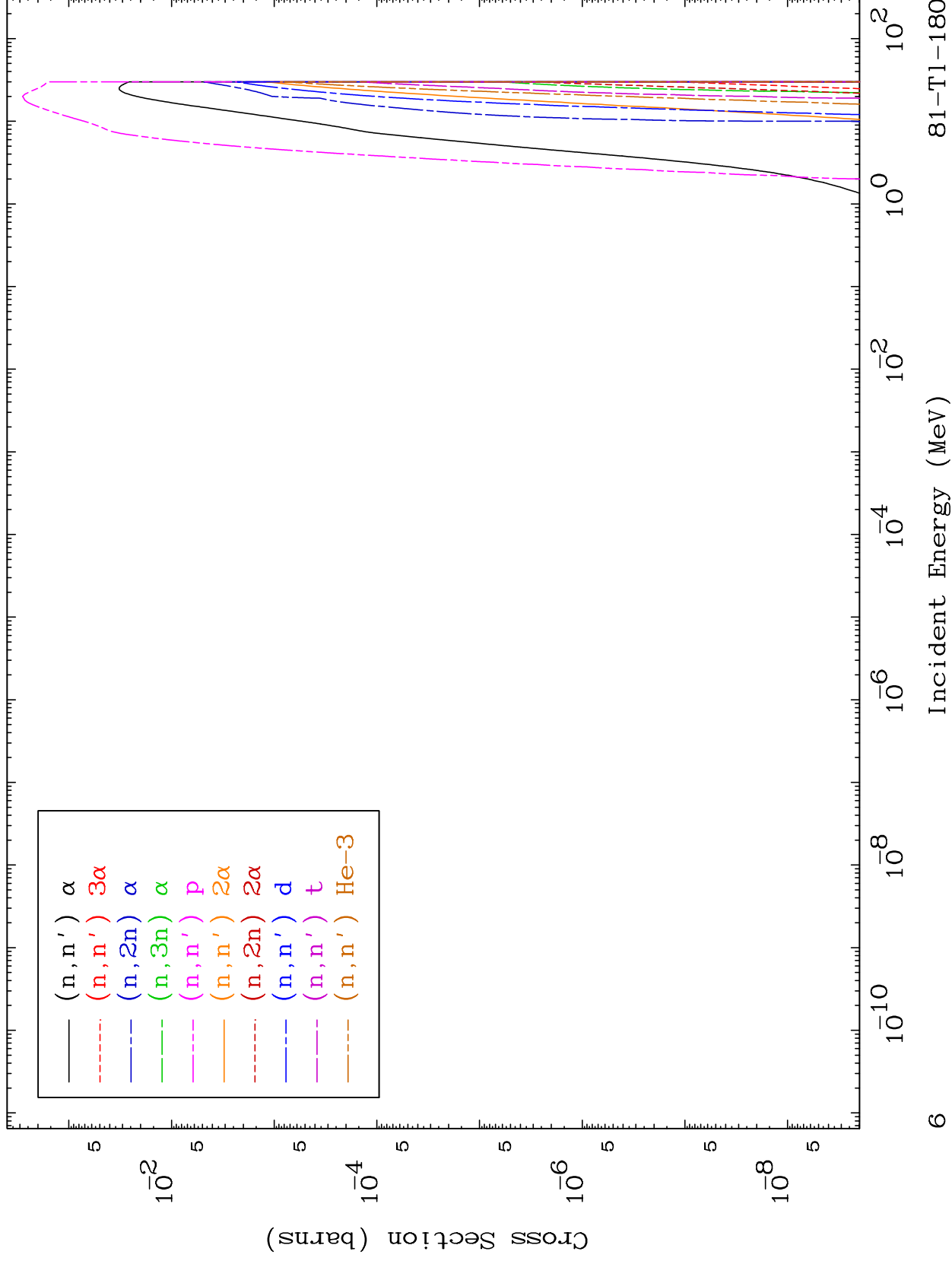




MAT 8056

293 Charged Particle
Kelvin Cross Sections

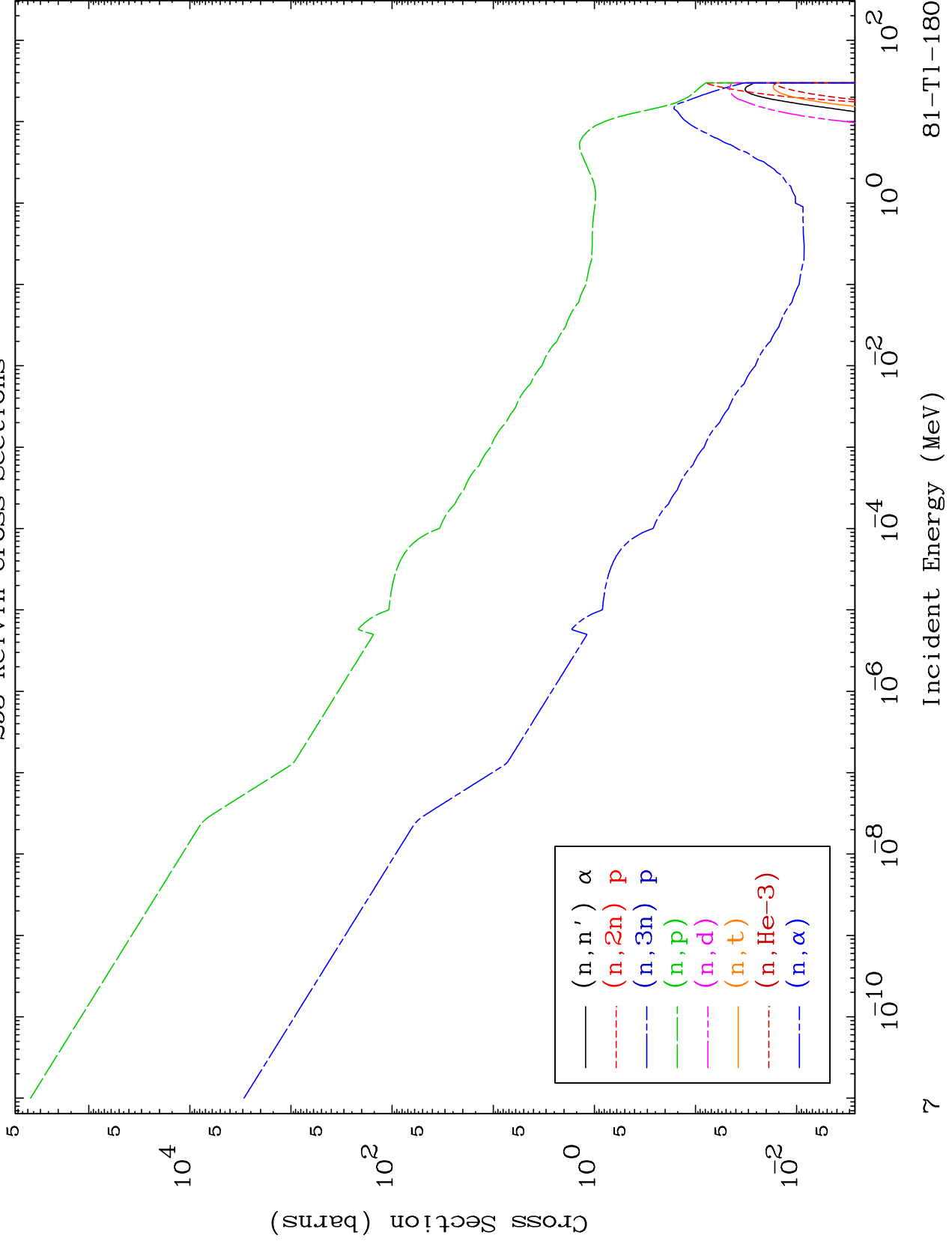
81-Tl-180



MAT 8056

Charged Particle
293 Kelvin Cross Sections

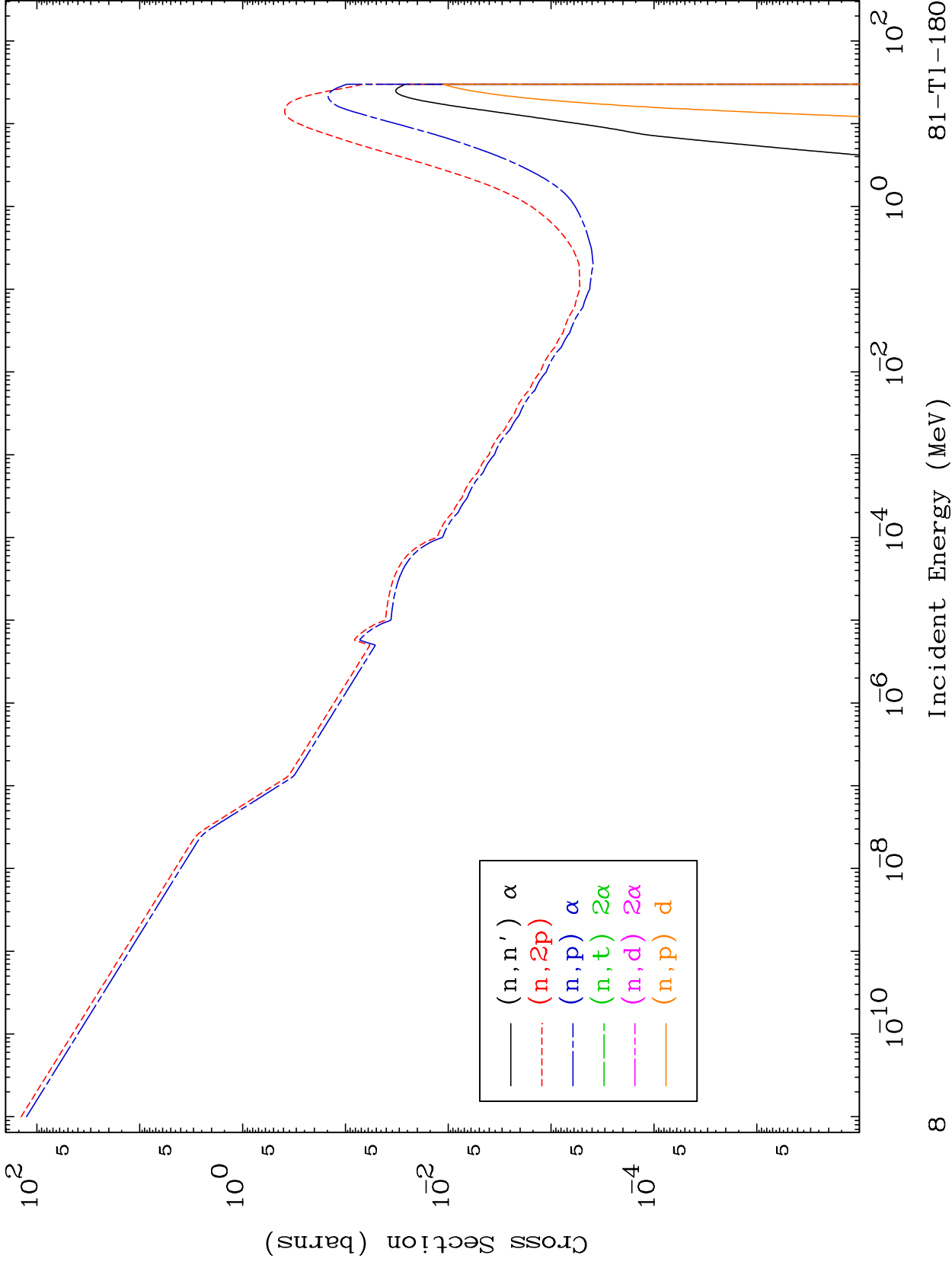
81-Tl-180



MAT 80566

Charged Particle
293 Kelvin Cross Sections

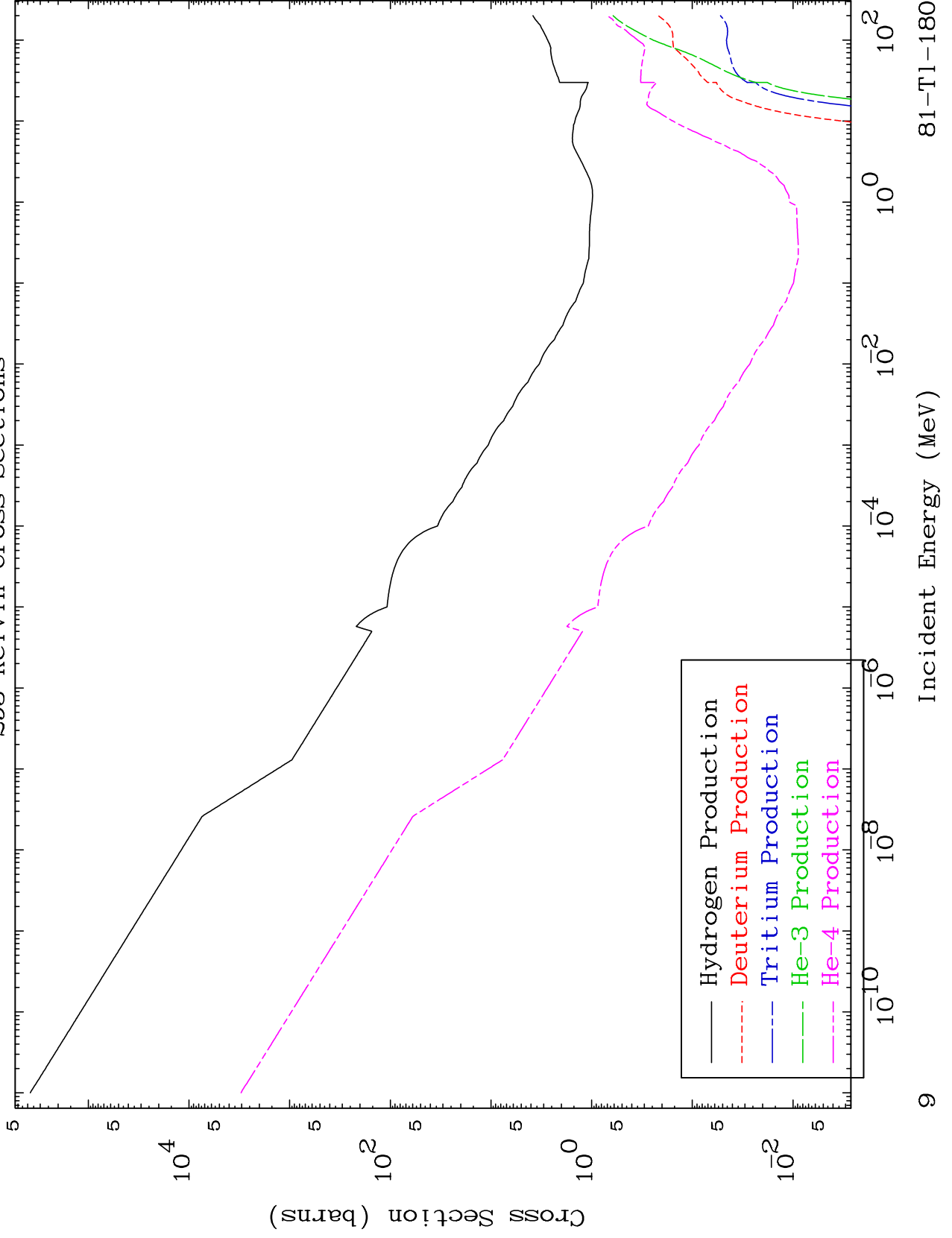
81-Tl-180



MAT 8056

Particle Production
293 Kelvin Cross Sections

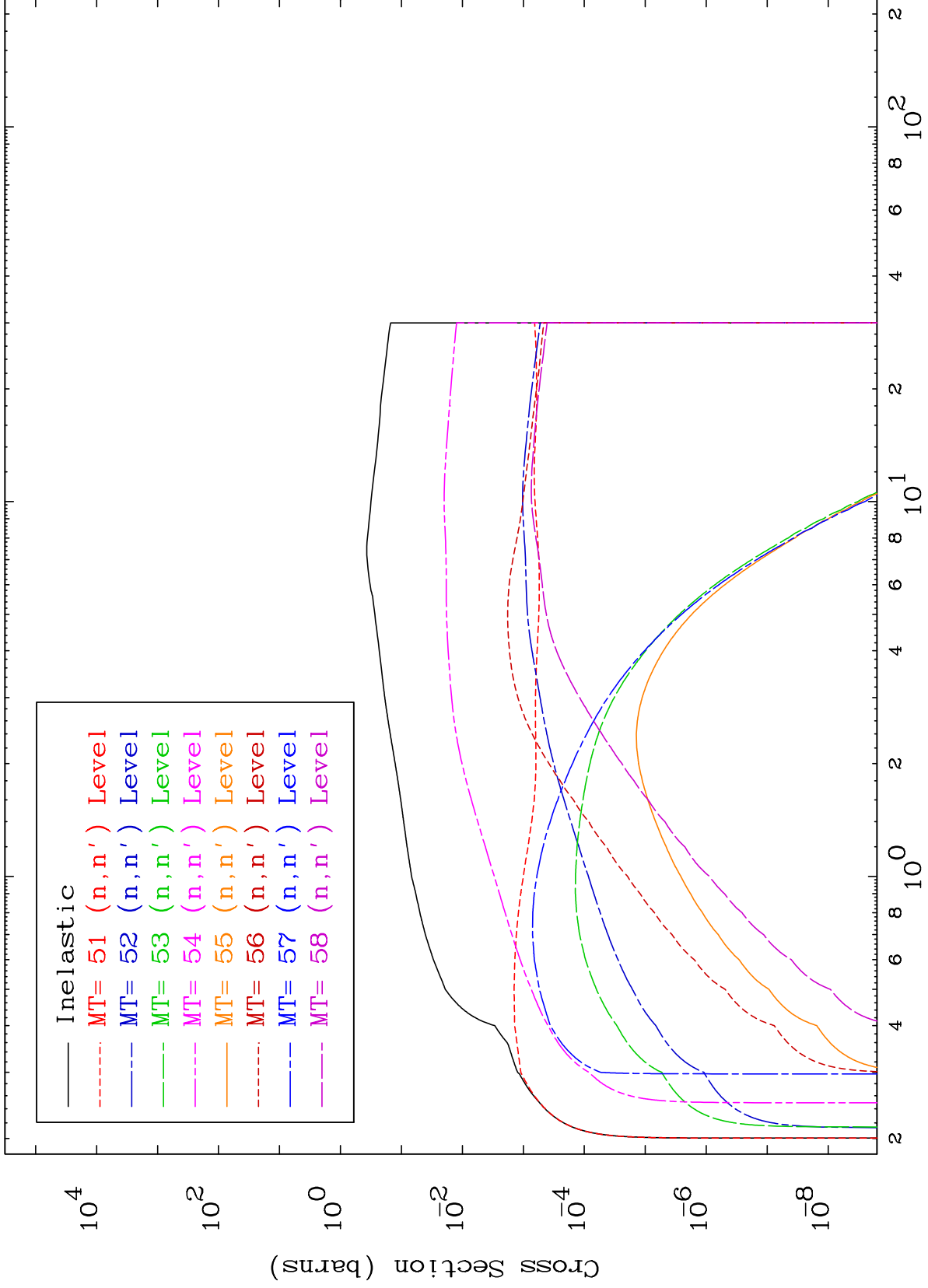
81-T1-180



MAT 80566

293 (n,n') Levels
Kelvin Cross Sections

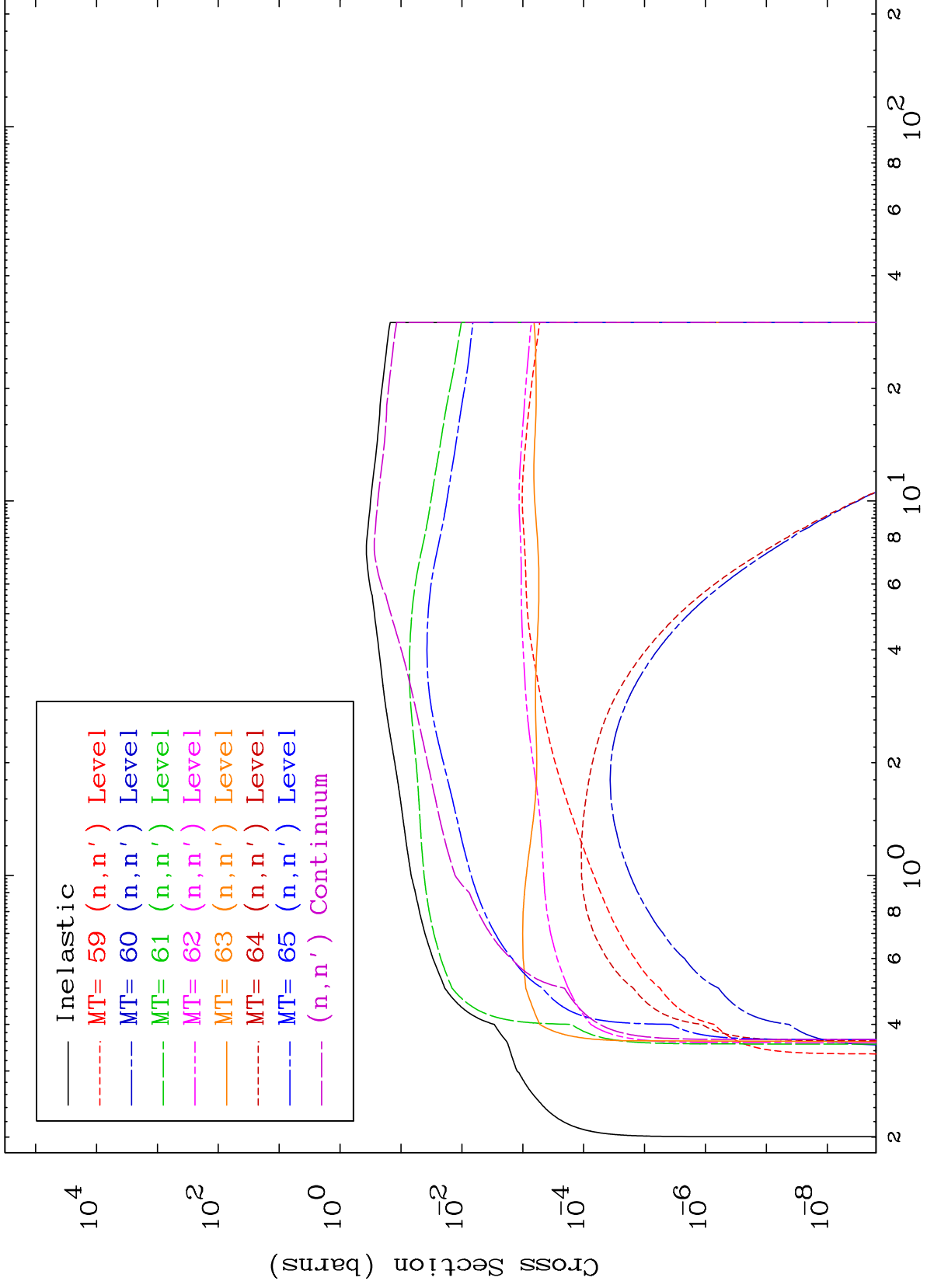
81-Tl-180



10

Incident Energy (MeV)

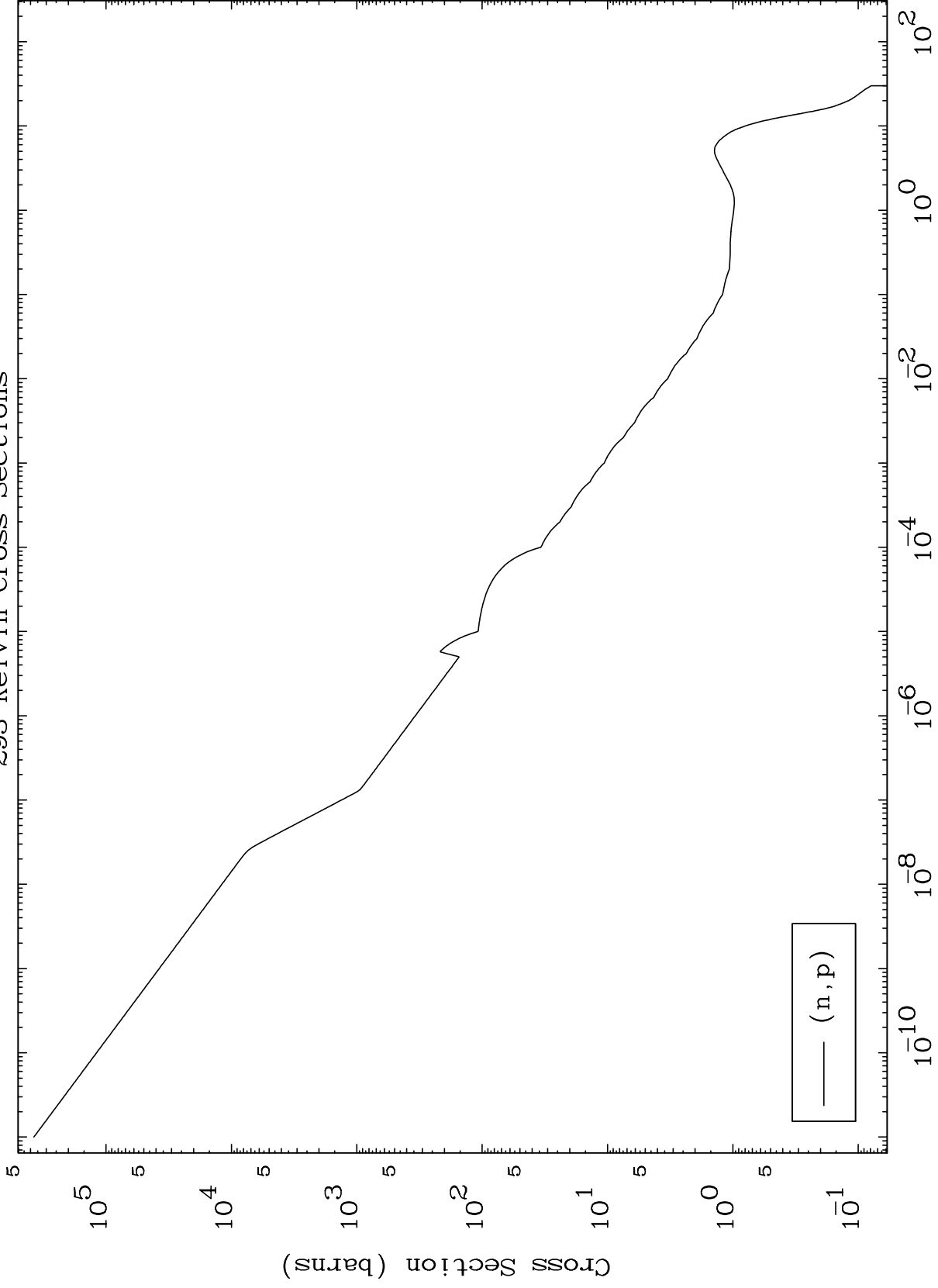
81-Tl-180



MAT 8056

(n,p) Levels
293 Kelvin Cross Sections

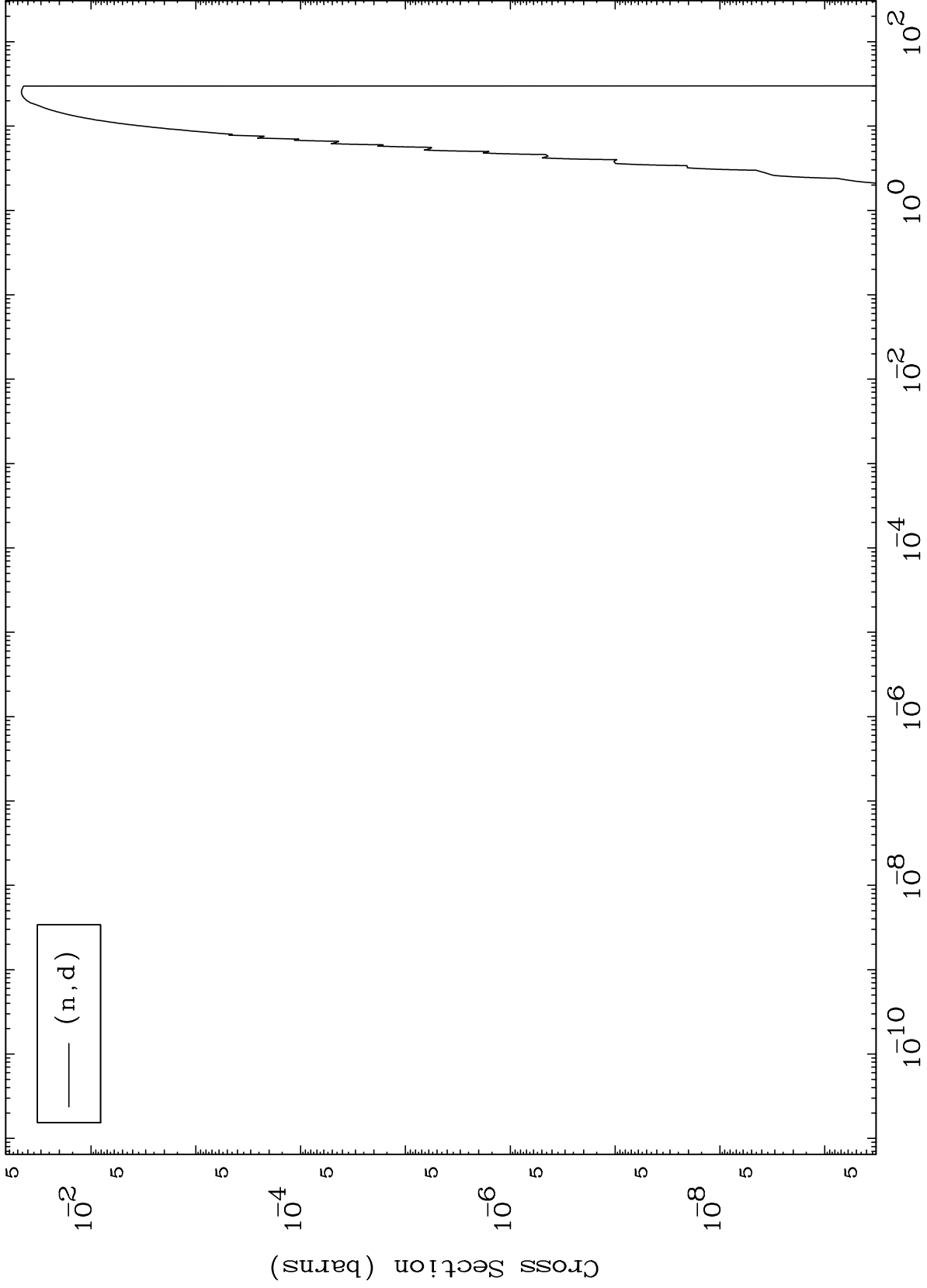
81-Tl-180



MAT 8056

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-180



13

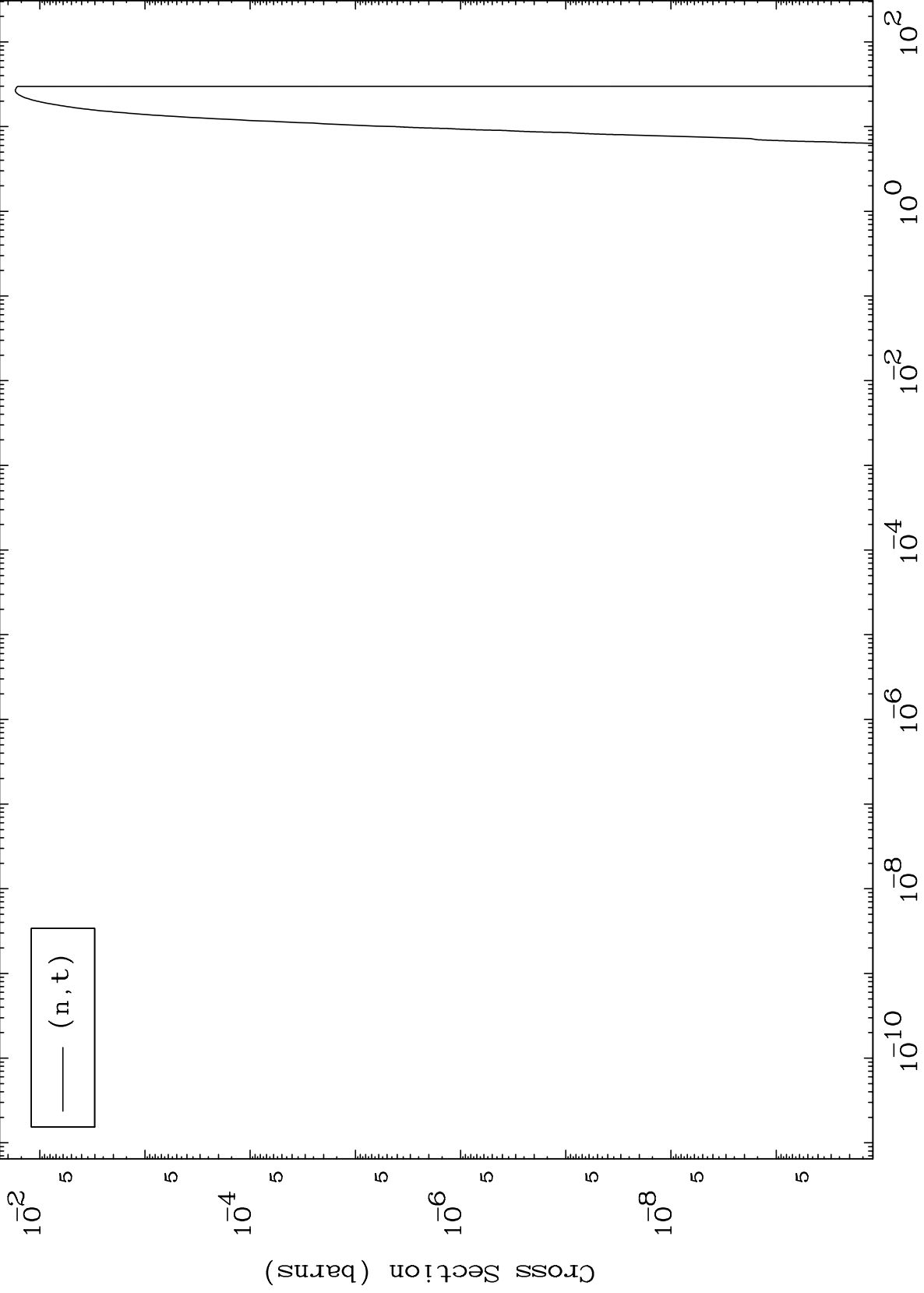
Incident Energy (MeV)

81-Tl-180

MAT 8056

(n,t) Levels
293 Kelvin Cross Sections

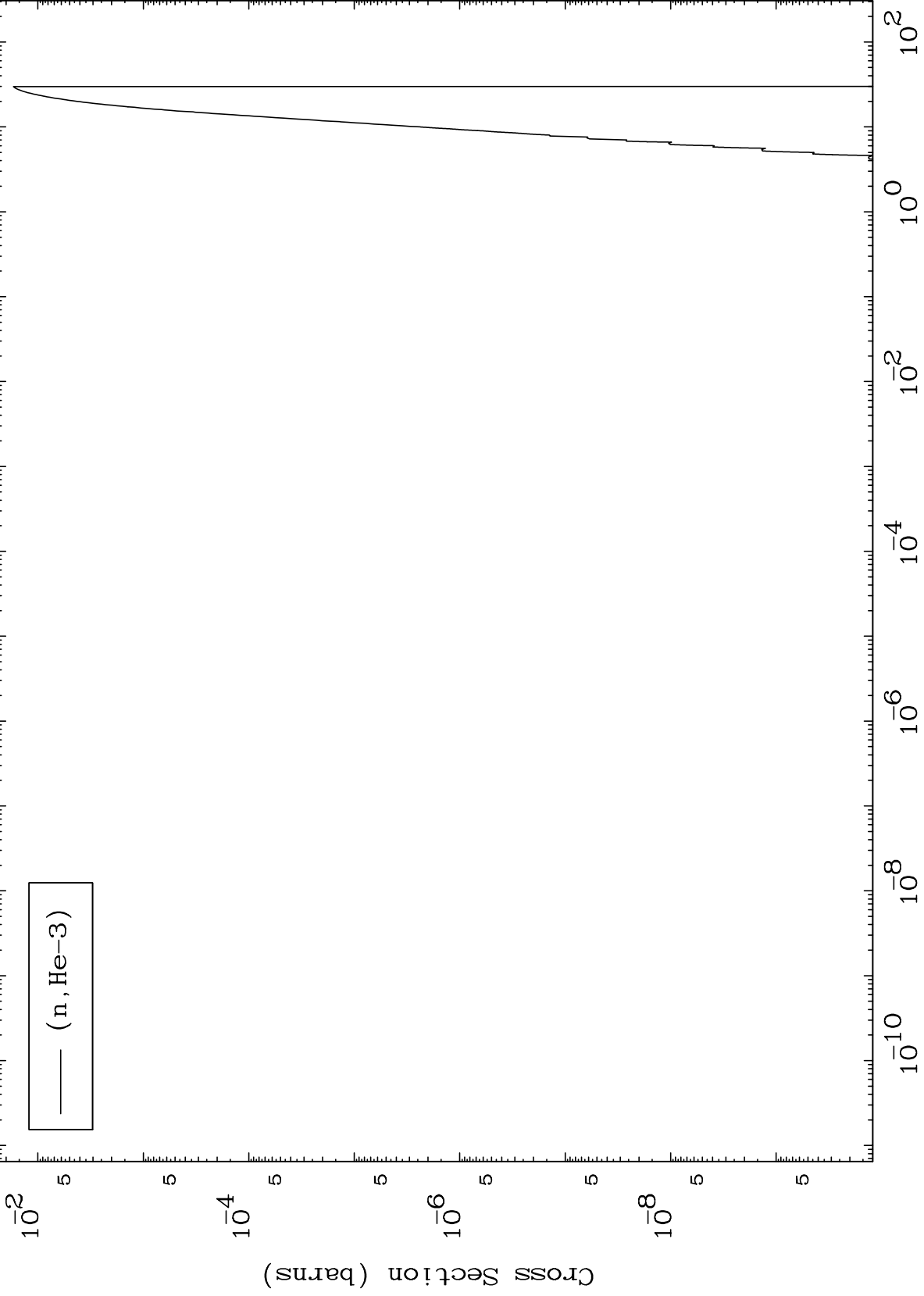
81-Tl-180



MAT 8056

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-180



15

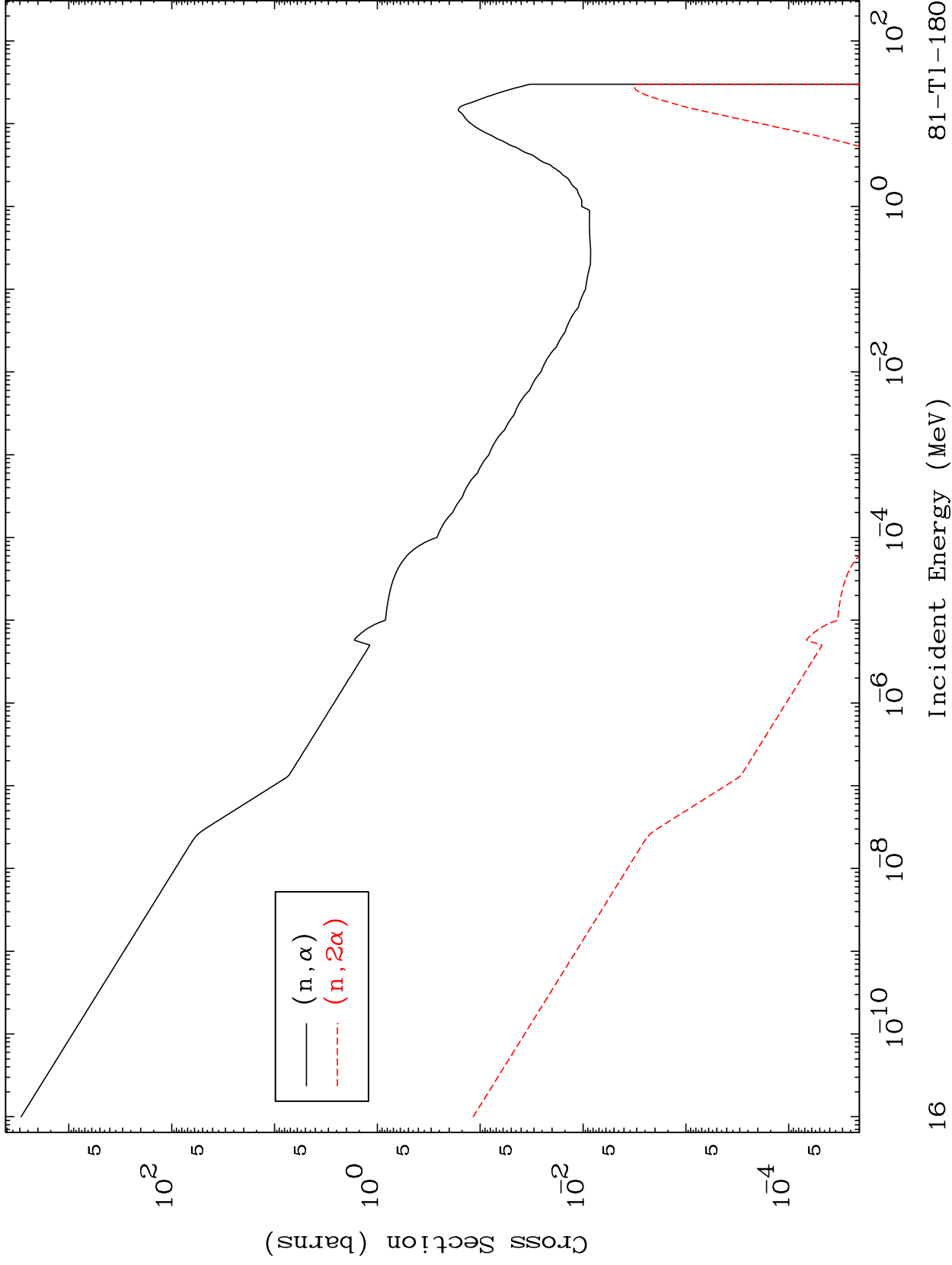
Incident Energy (MeV)

81-T1-180

MAT 8056

(n, α) Levels
293 Kelvin Cross Sections

81-Tl-180



16

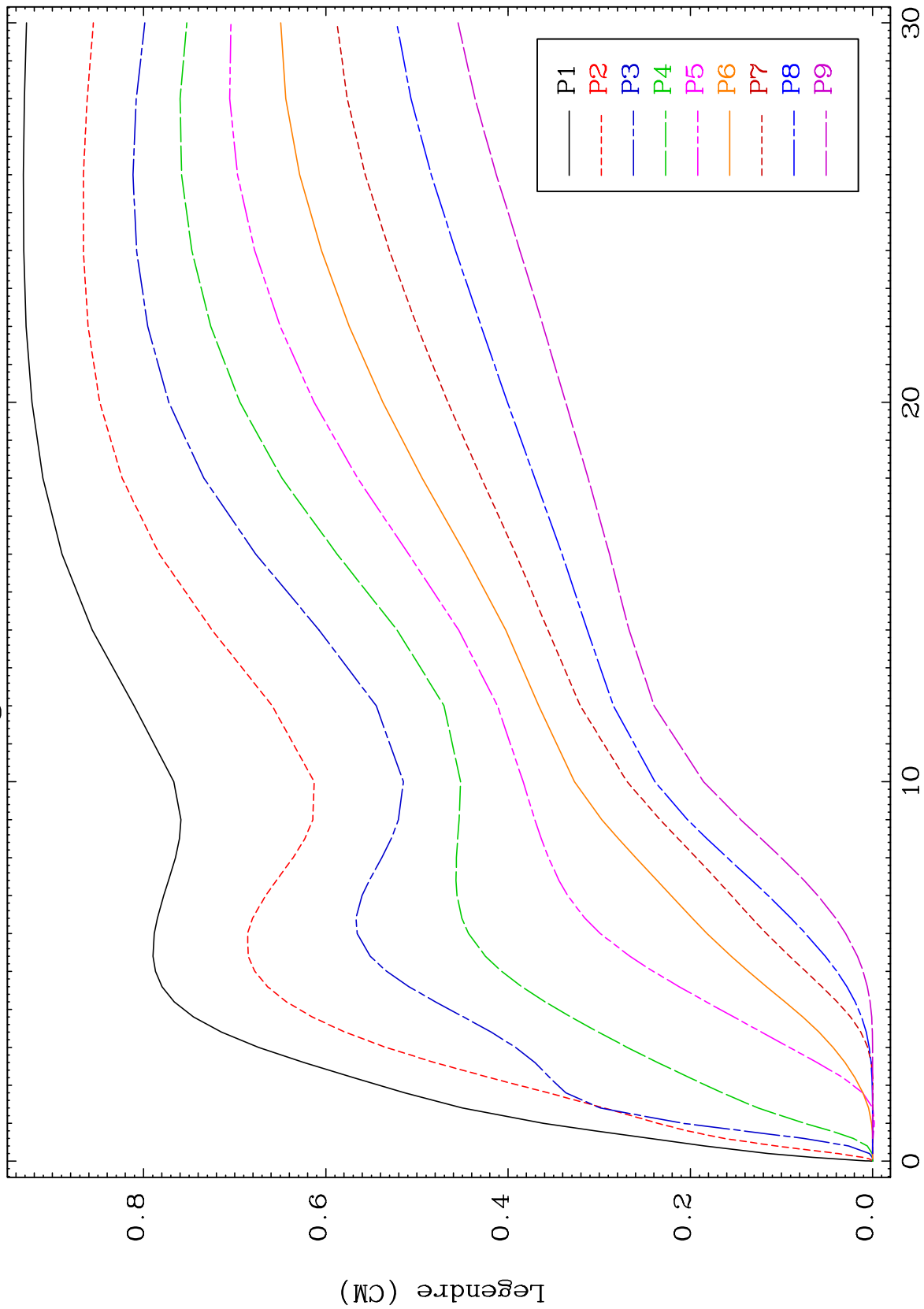
Incident Energy (MeV)

81-Tl-180

MAT 8056

Elastic Legendre Coefficients

81-Tl-180



17

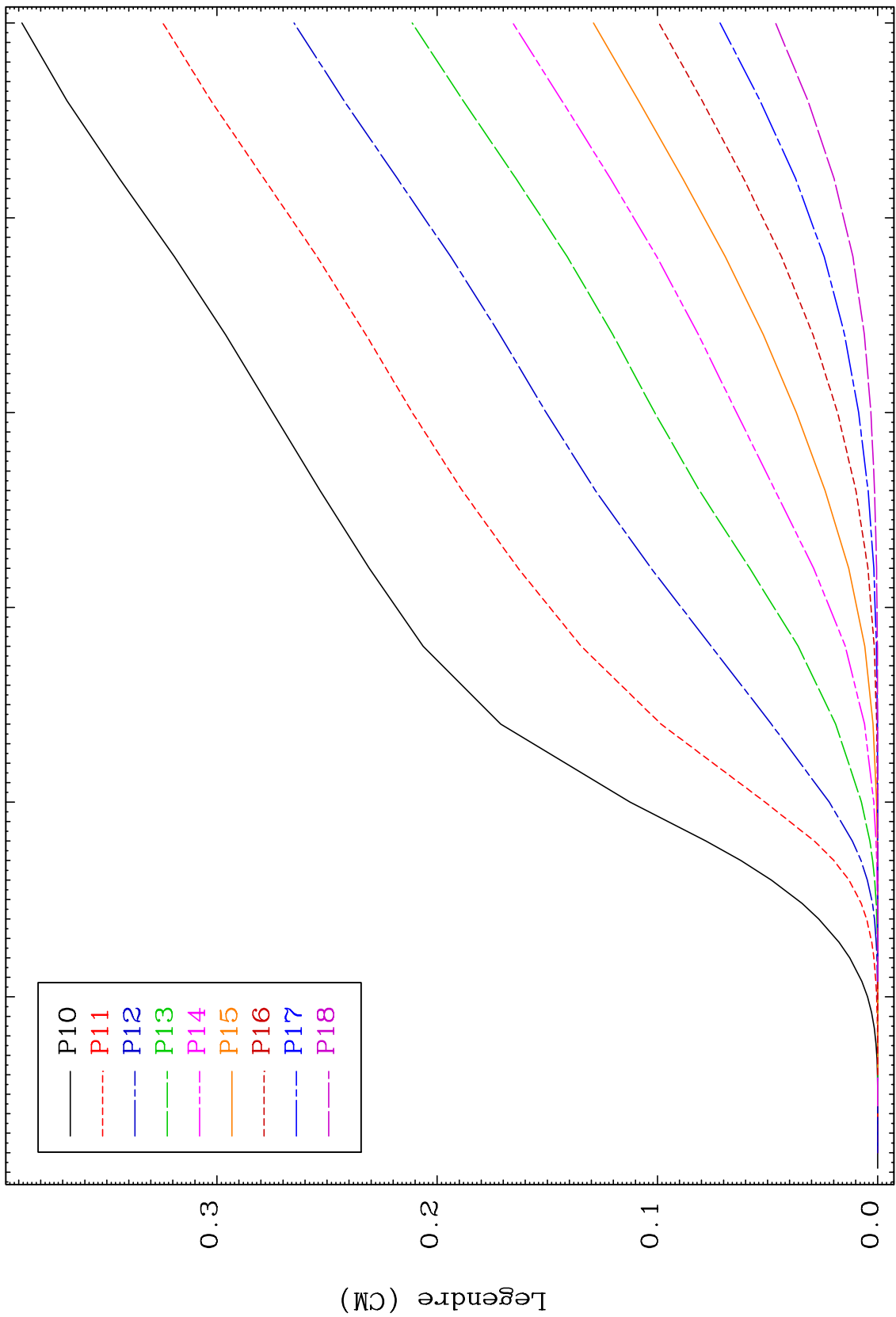
Incident Energy (MeV)

81-Tl-180

MAT 8056

Elastic Legendre Coefficients

81-Tl-180



18

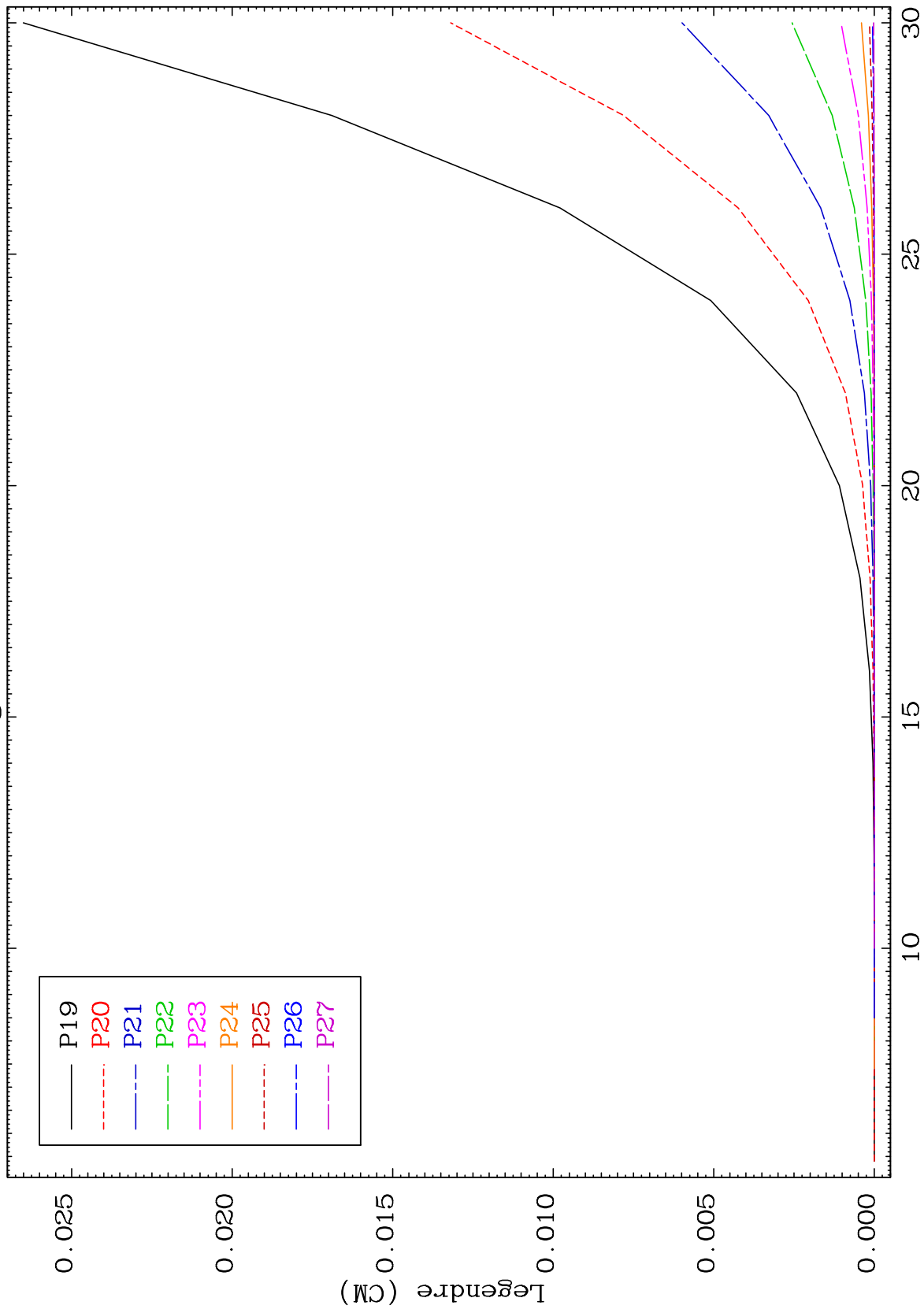
Incident Energy (MeV)

81-Tl-180

MAT 8056

Elastic Legendre Coefficients

81-T1-180



19

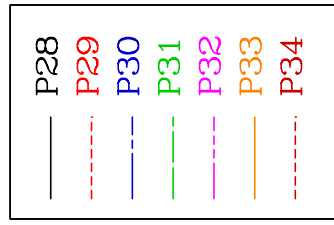
Incident Energy (MeV)

81-T1-180

MAT 8056

Elastic
Legendre Coefficients

81-T1-180



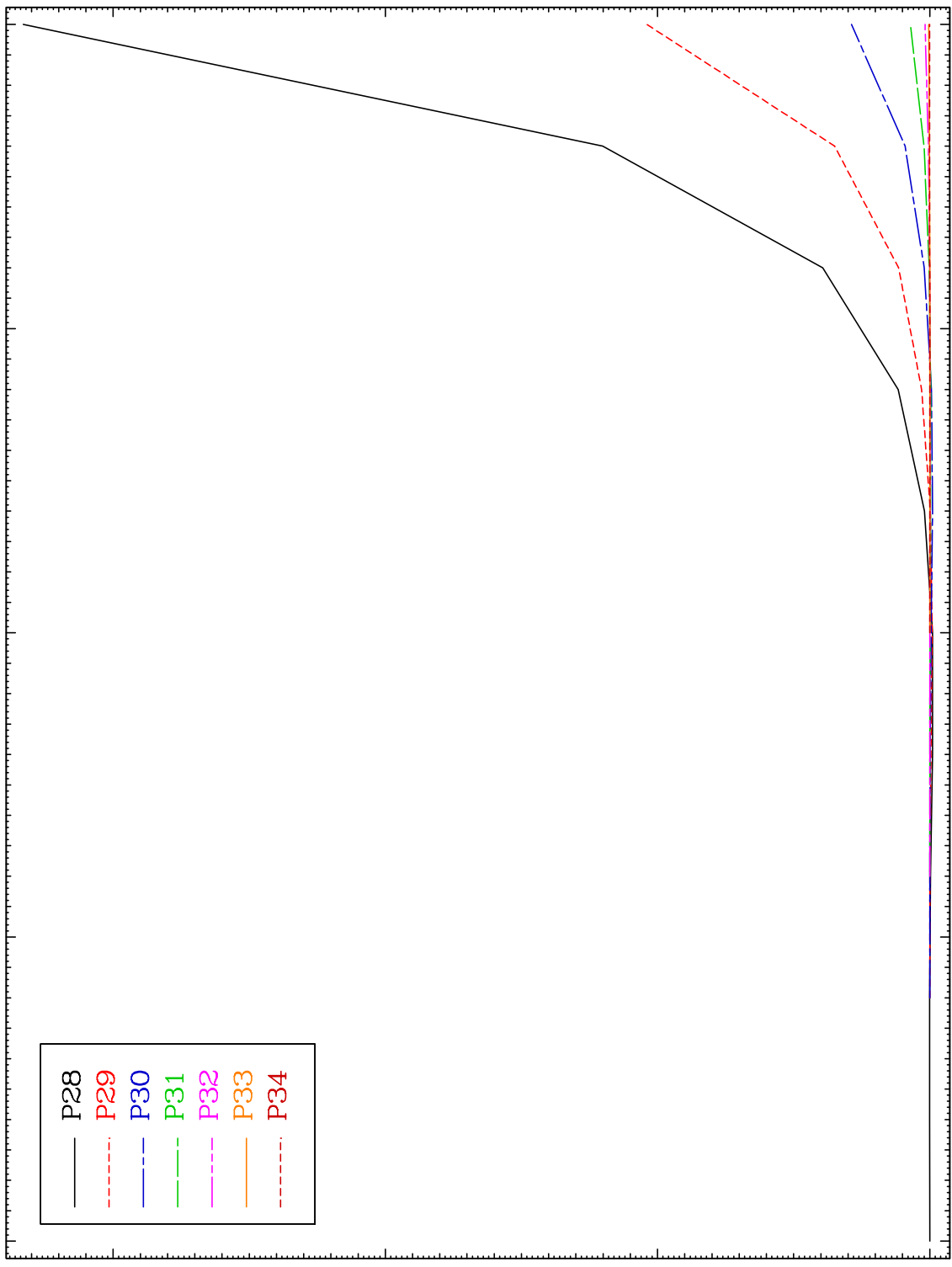
$\times 10^{-6}$
6
4
2
0

Legendre (CM)

10 15 20 25 30

Incident Energy (MeV)

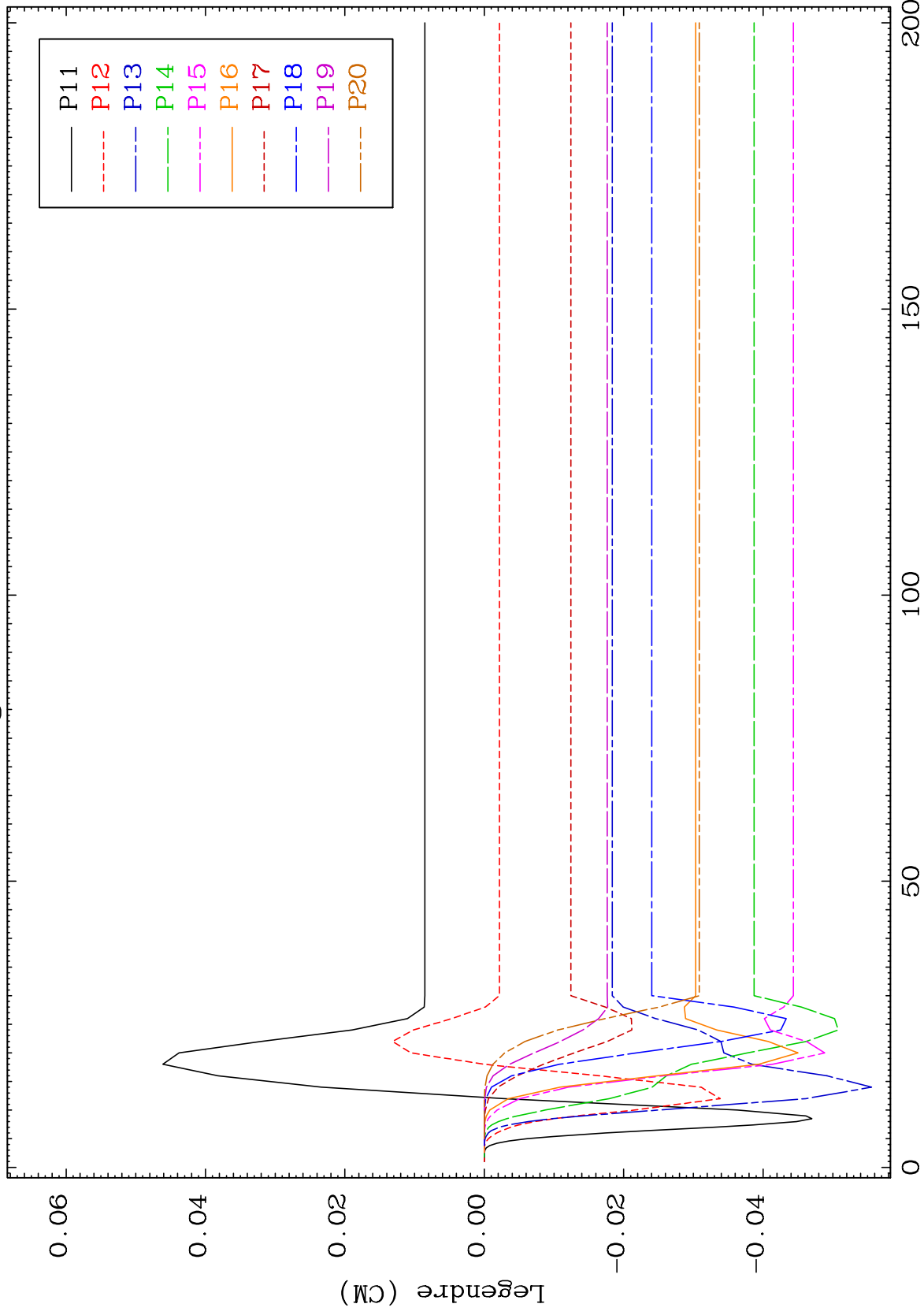
81-T1-180



MAT 8056

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

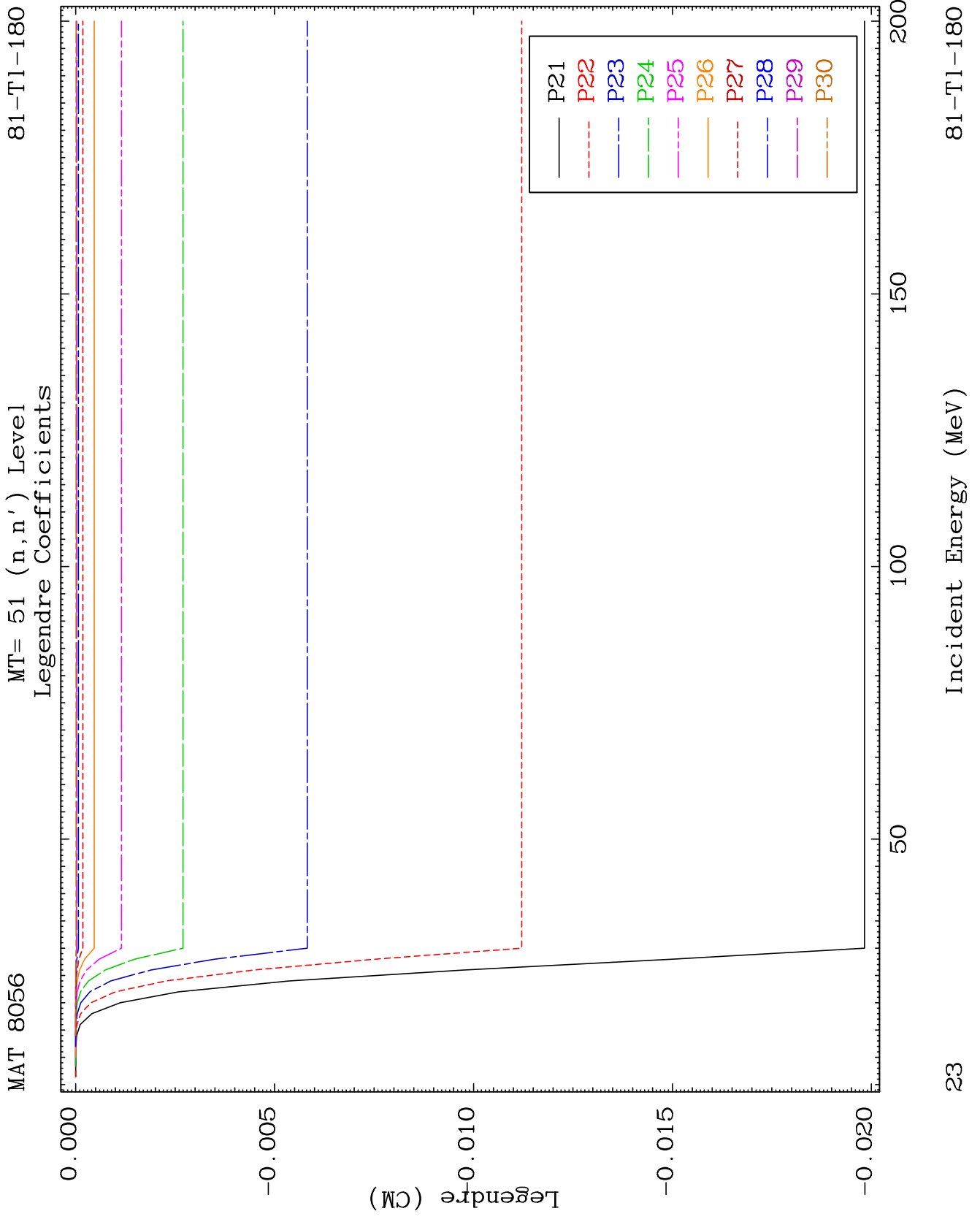
81-Tl-180

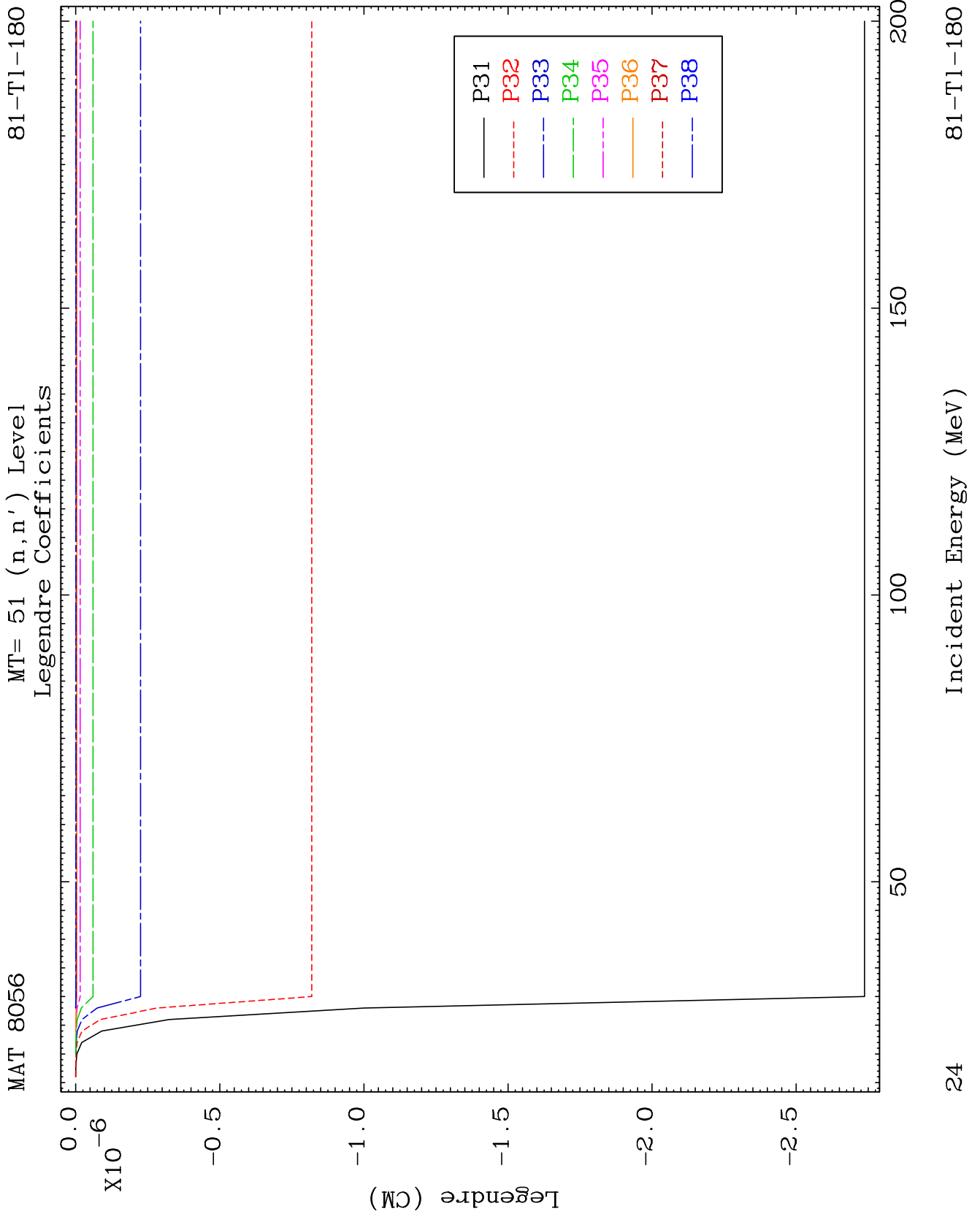


22

Incident Energy (MeV)

81-Tl-180

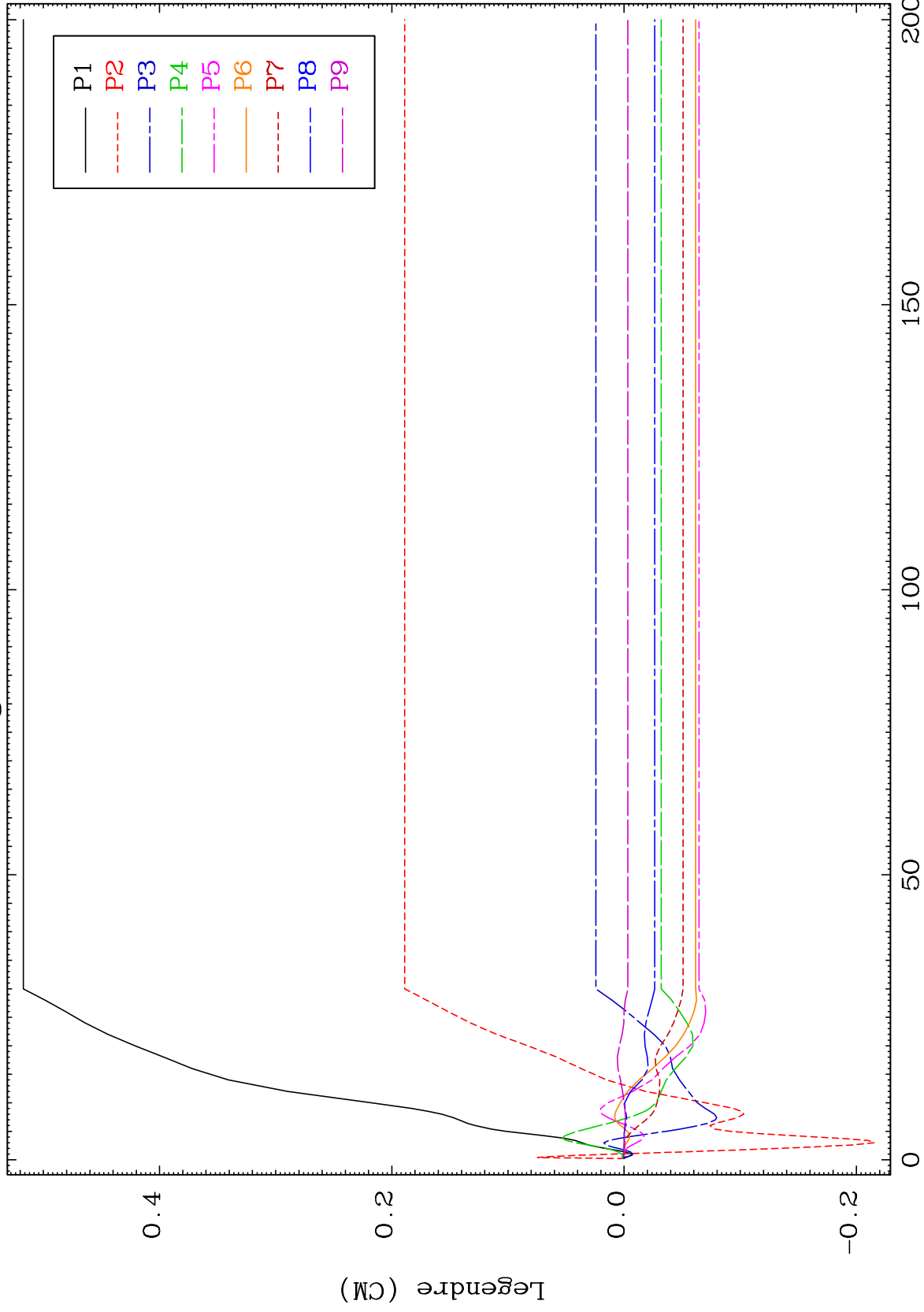




MAT 8056

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

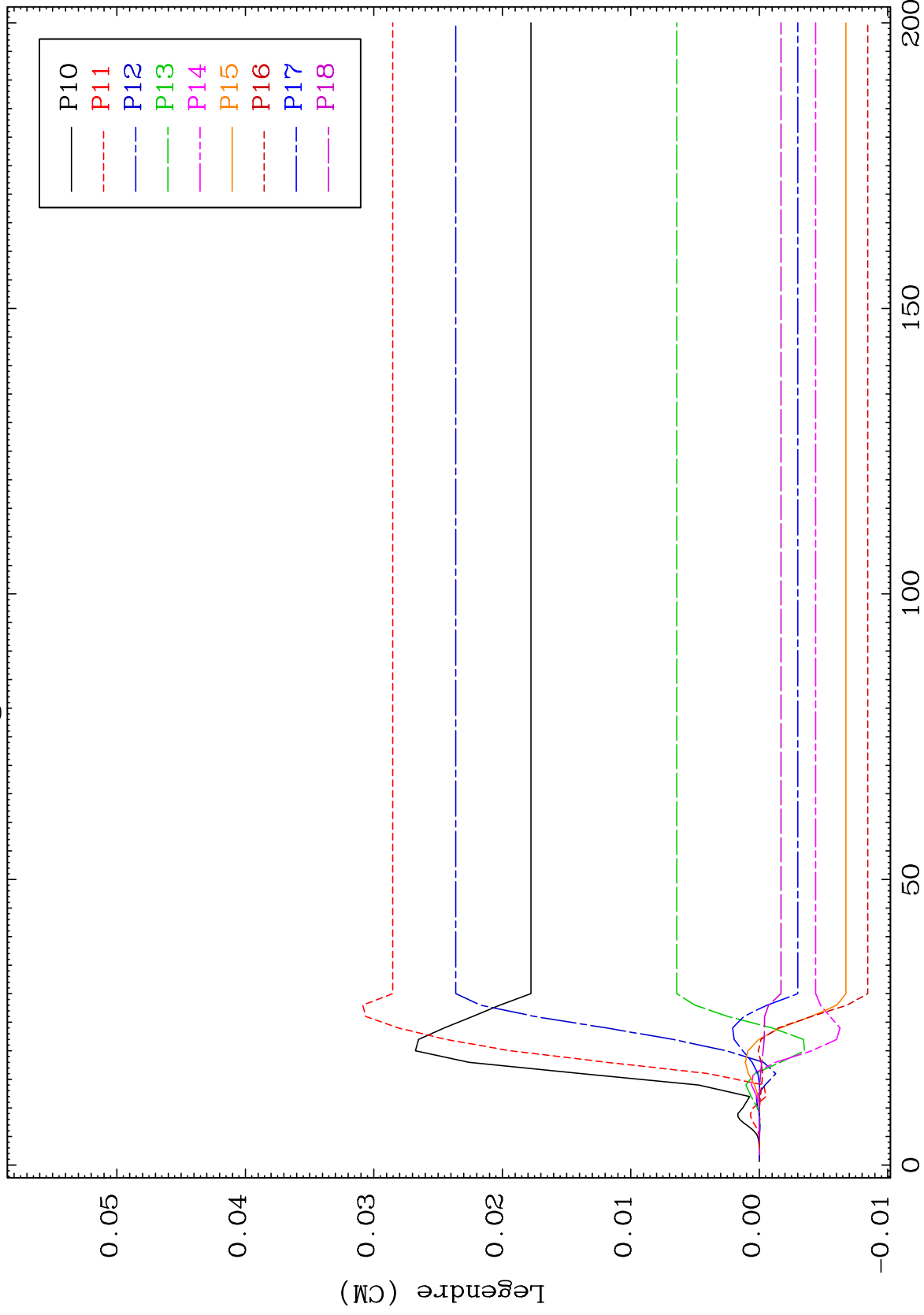
81-T1-180



MAT 8056

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

81-Tl-180



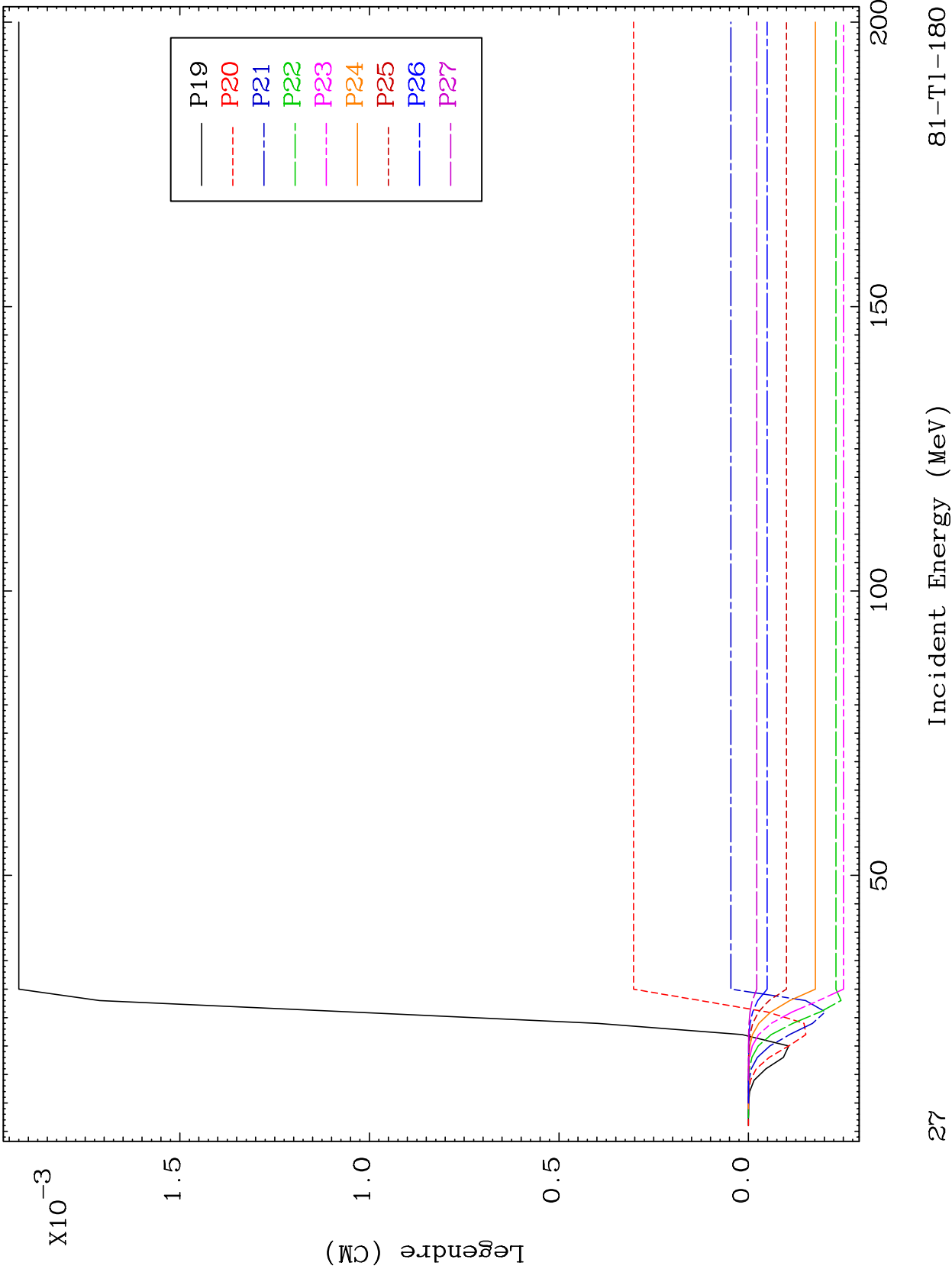
26

81-Tl-180

MAT 8056

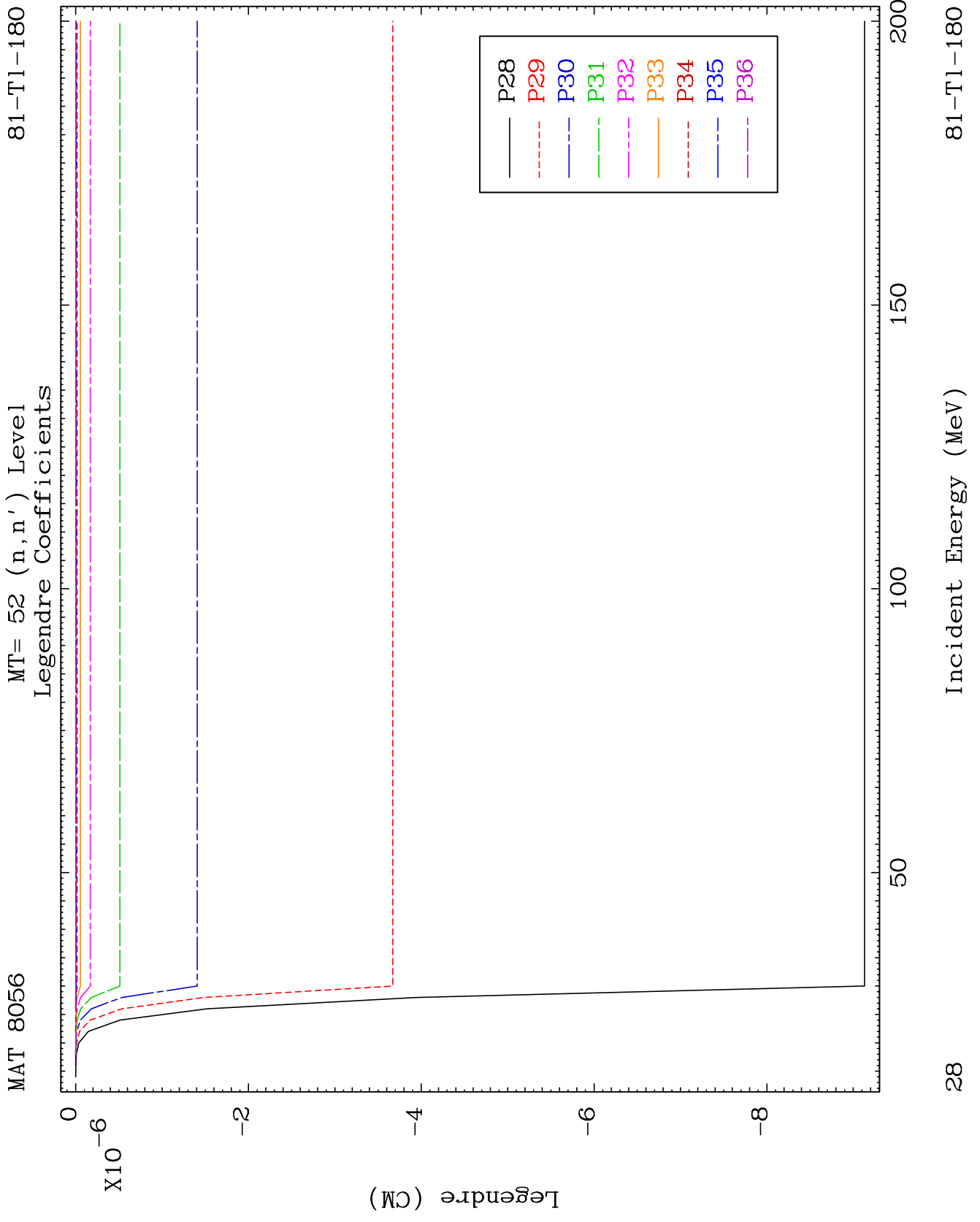
MT= 52 (n,n') Level
Legendre Coefficients

81-T1-180



27

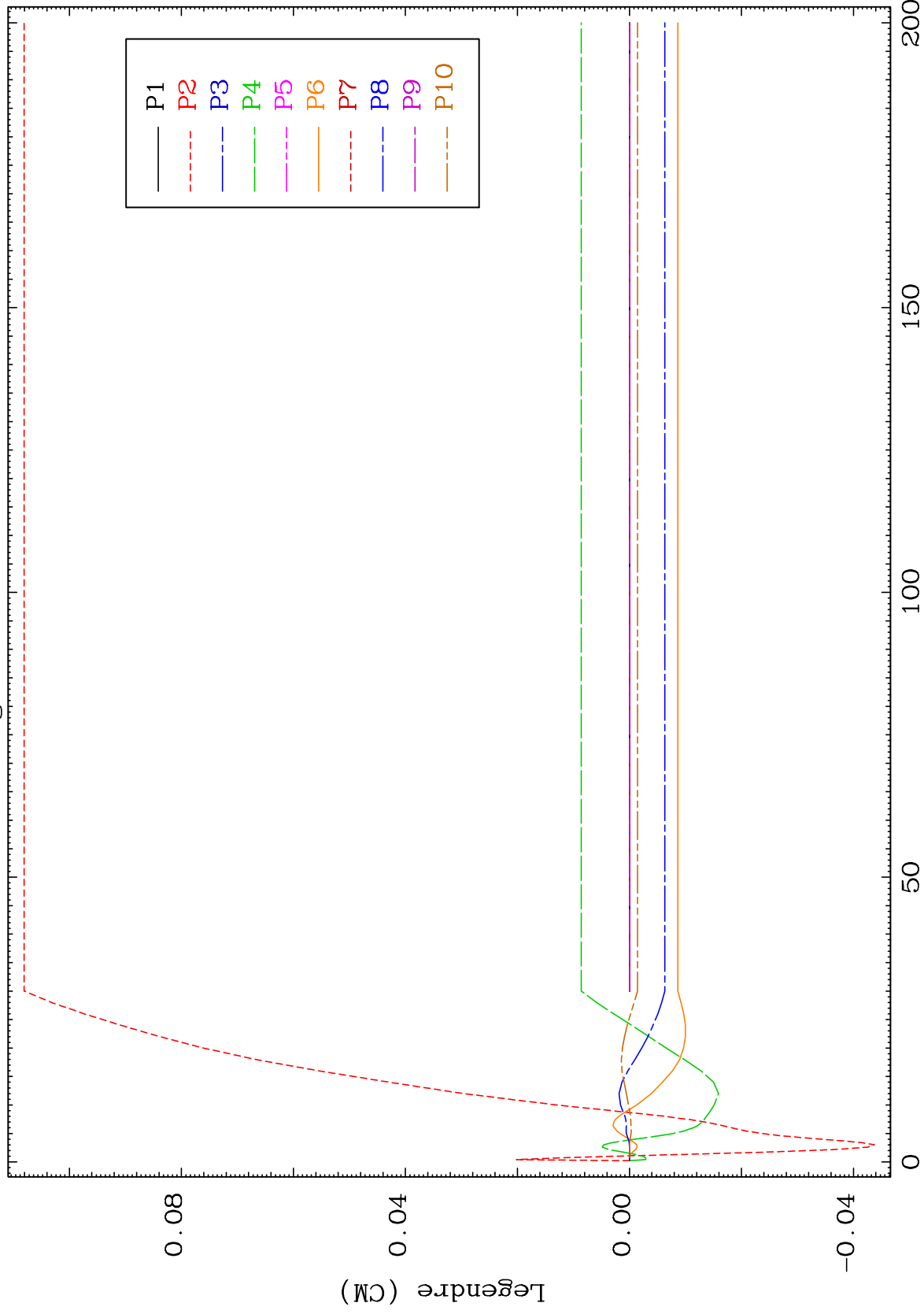
81-T1-180



MAT 8056

MT= 53 (n,n') Level
Legendre Coefficients

81-T1-180



29

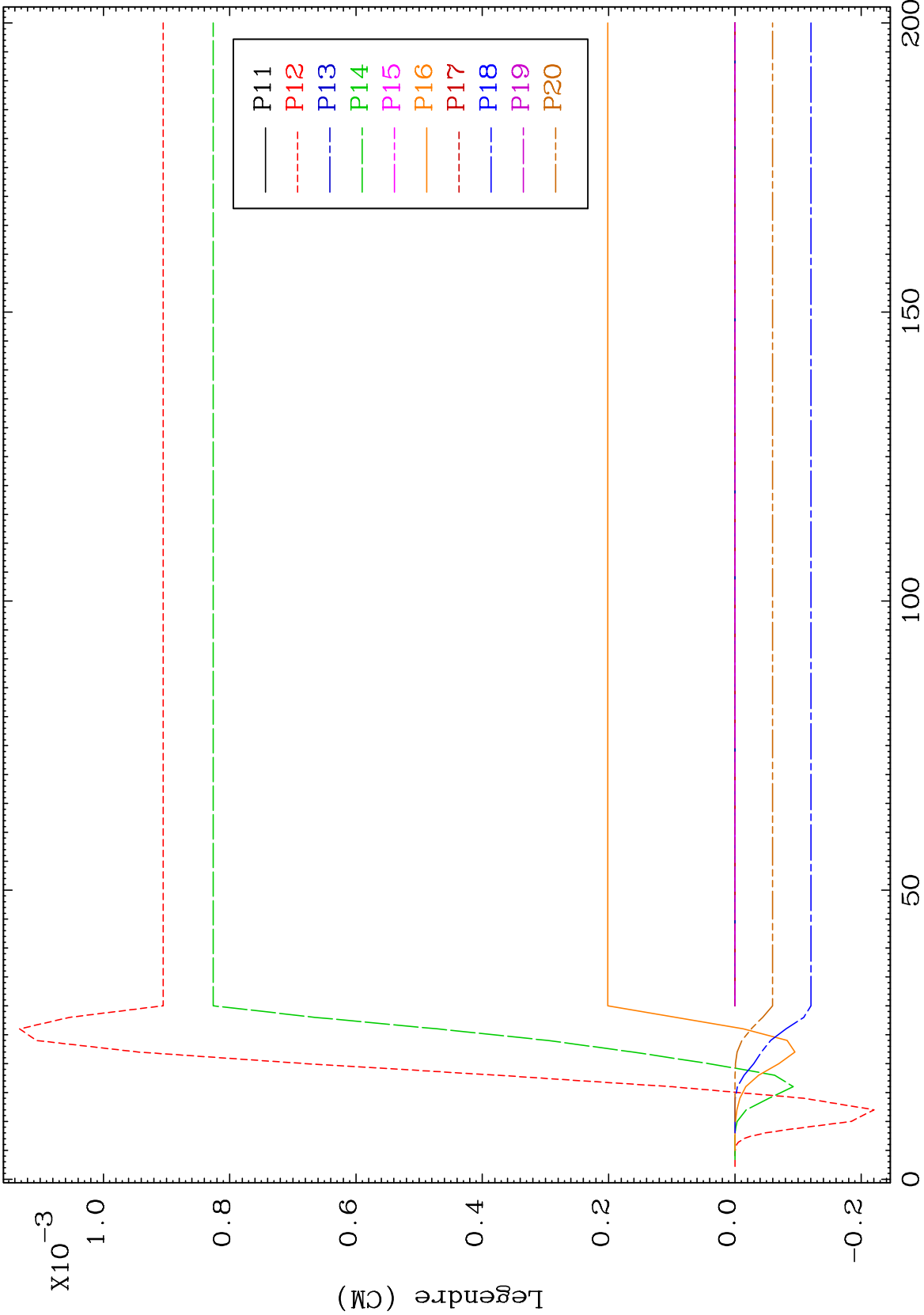
Incident Energy (MeV)

81-T1-180

MAT 8056

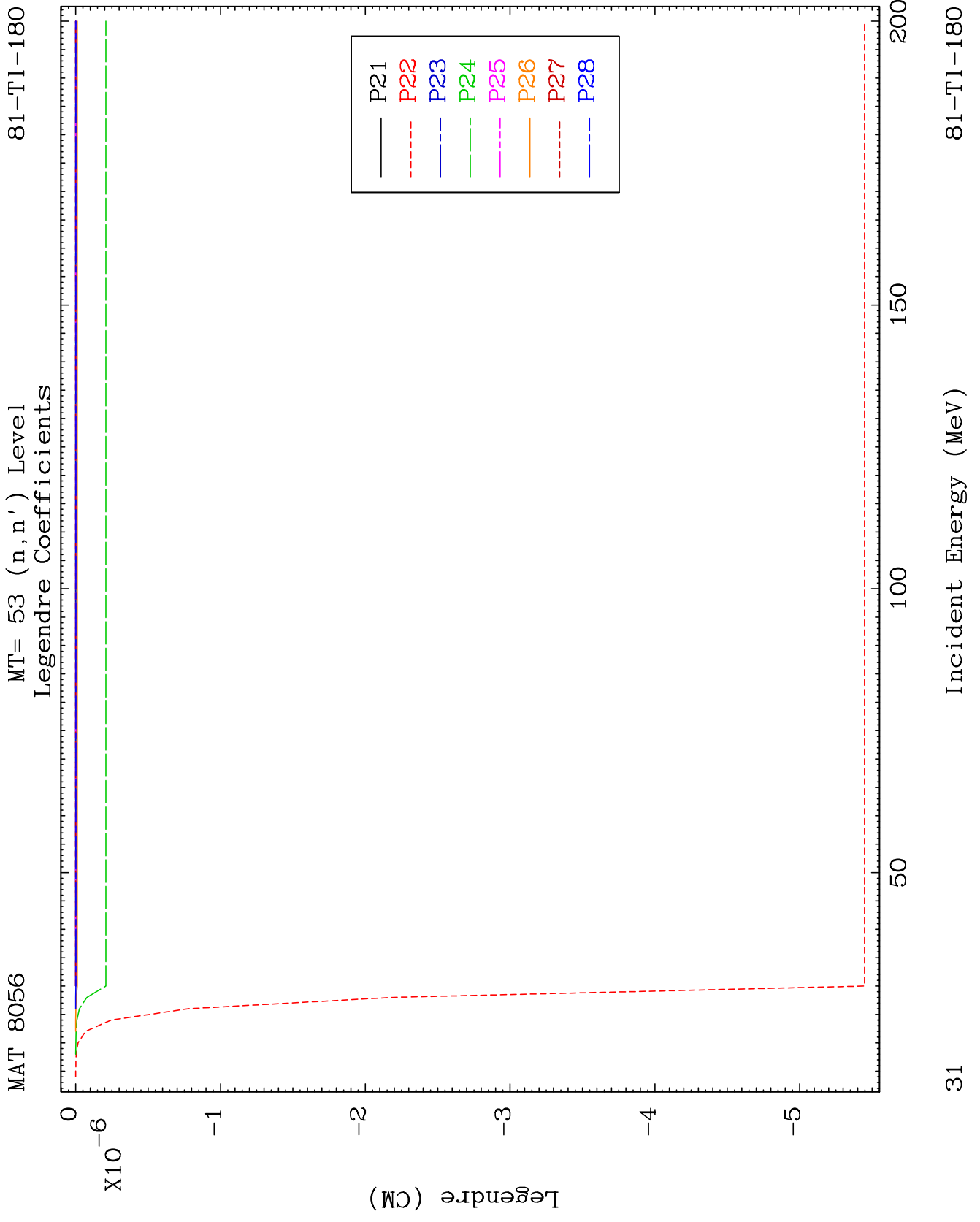
MT= 53 (n,n') Level
Legendre Coefficients

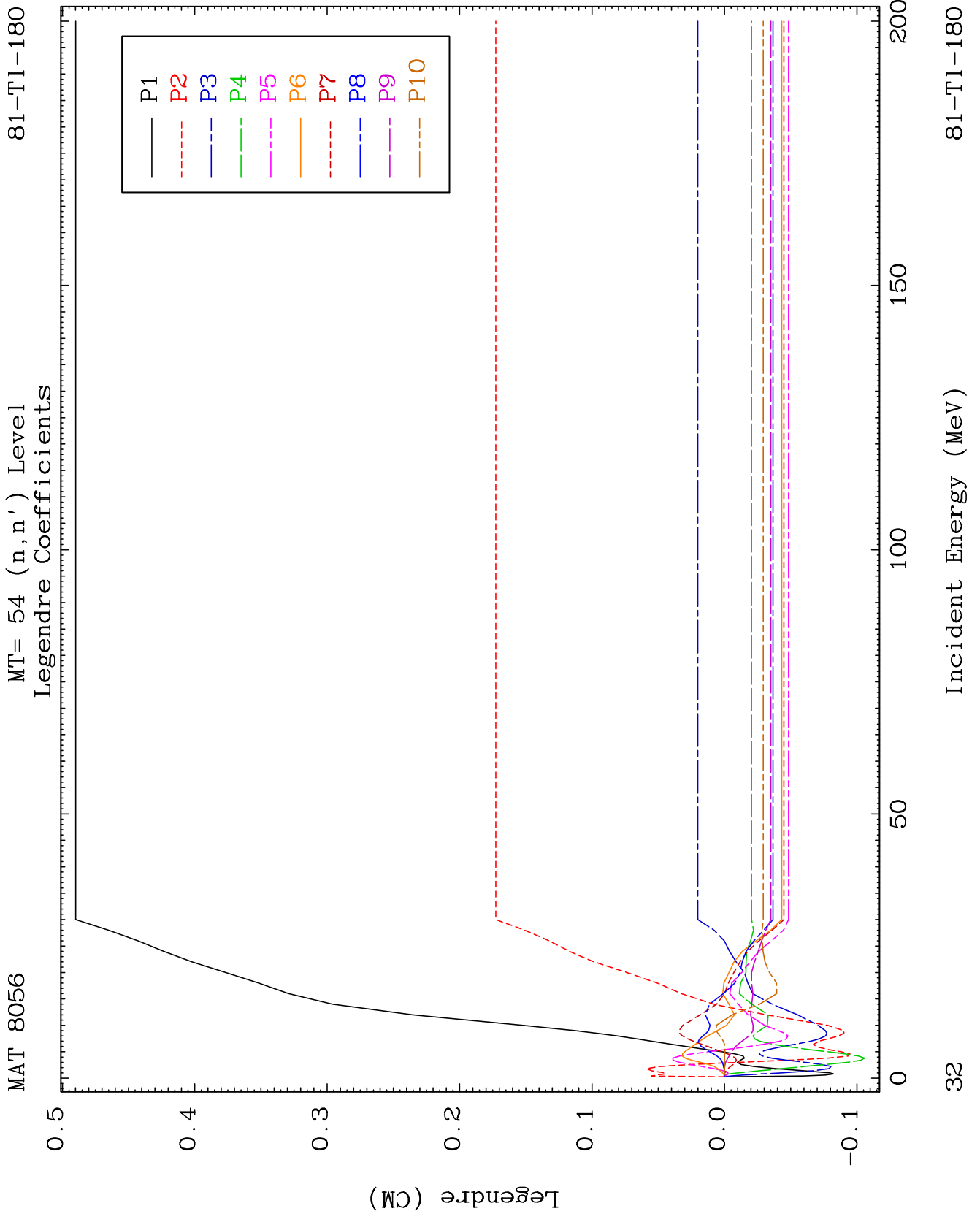
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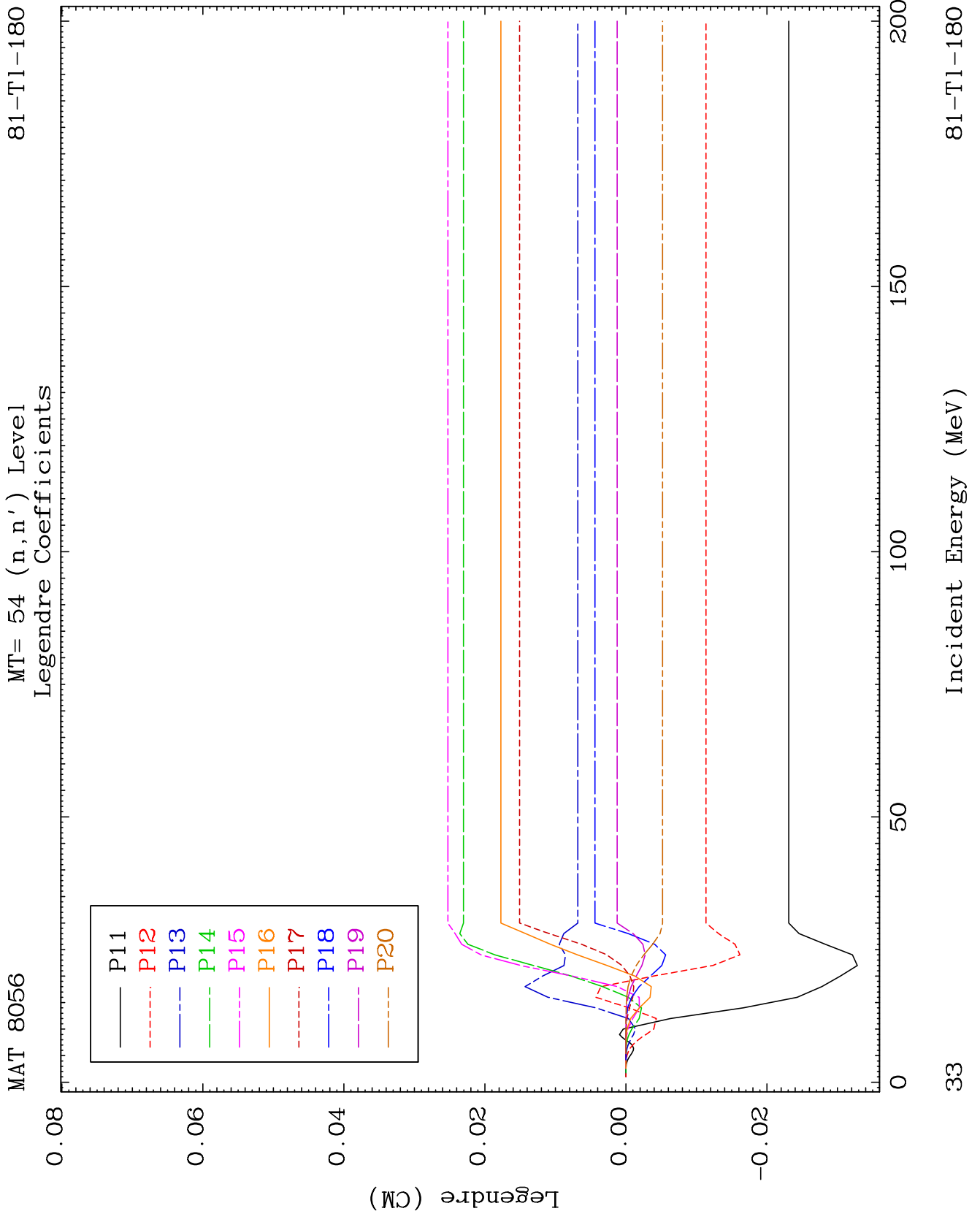


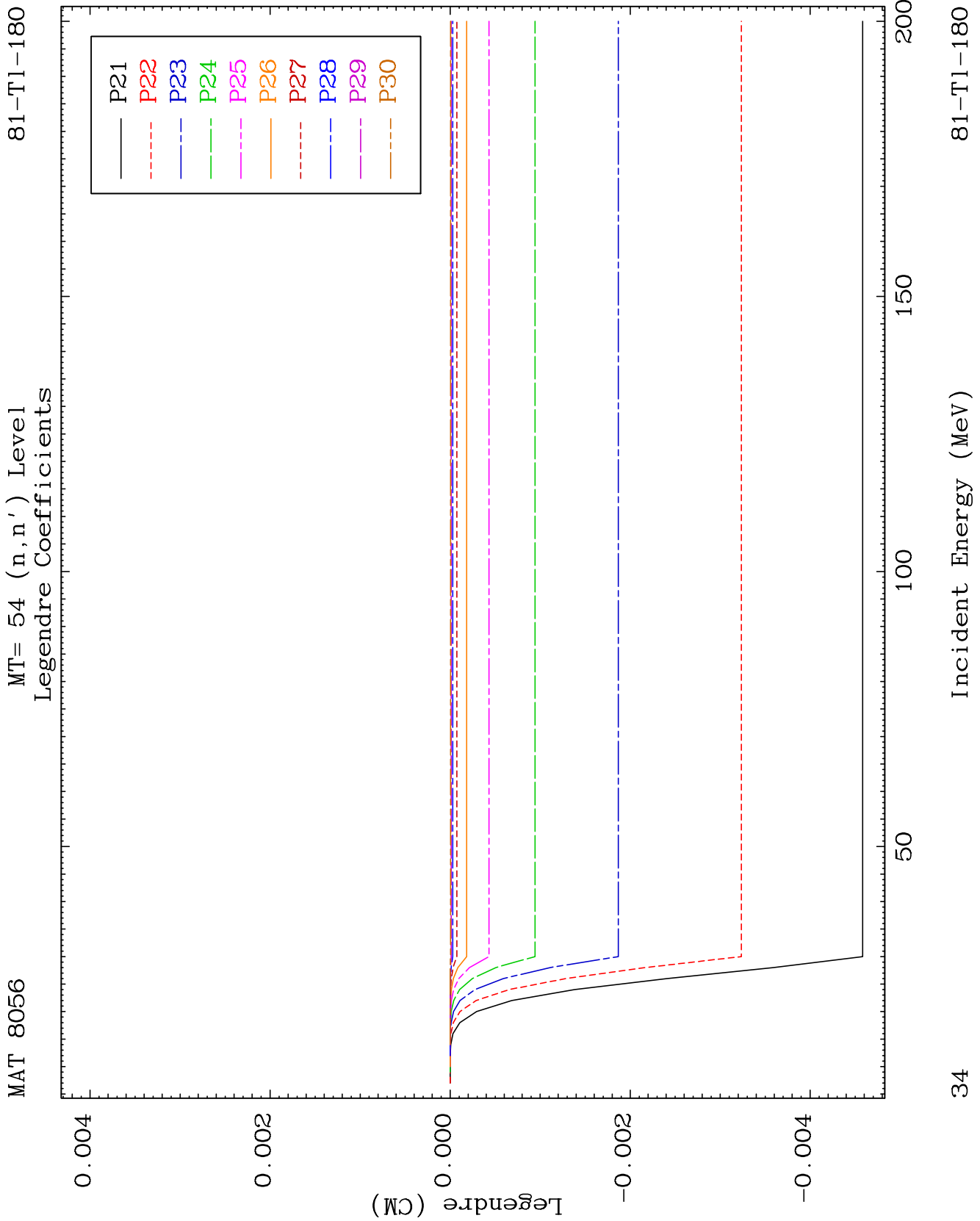
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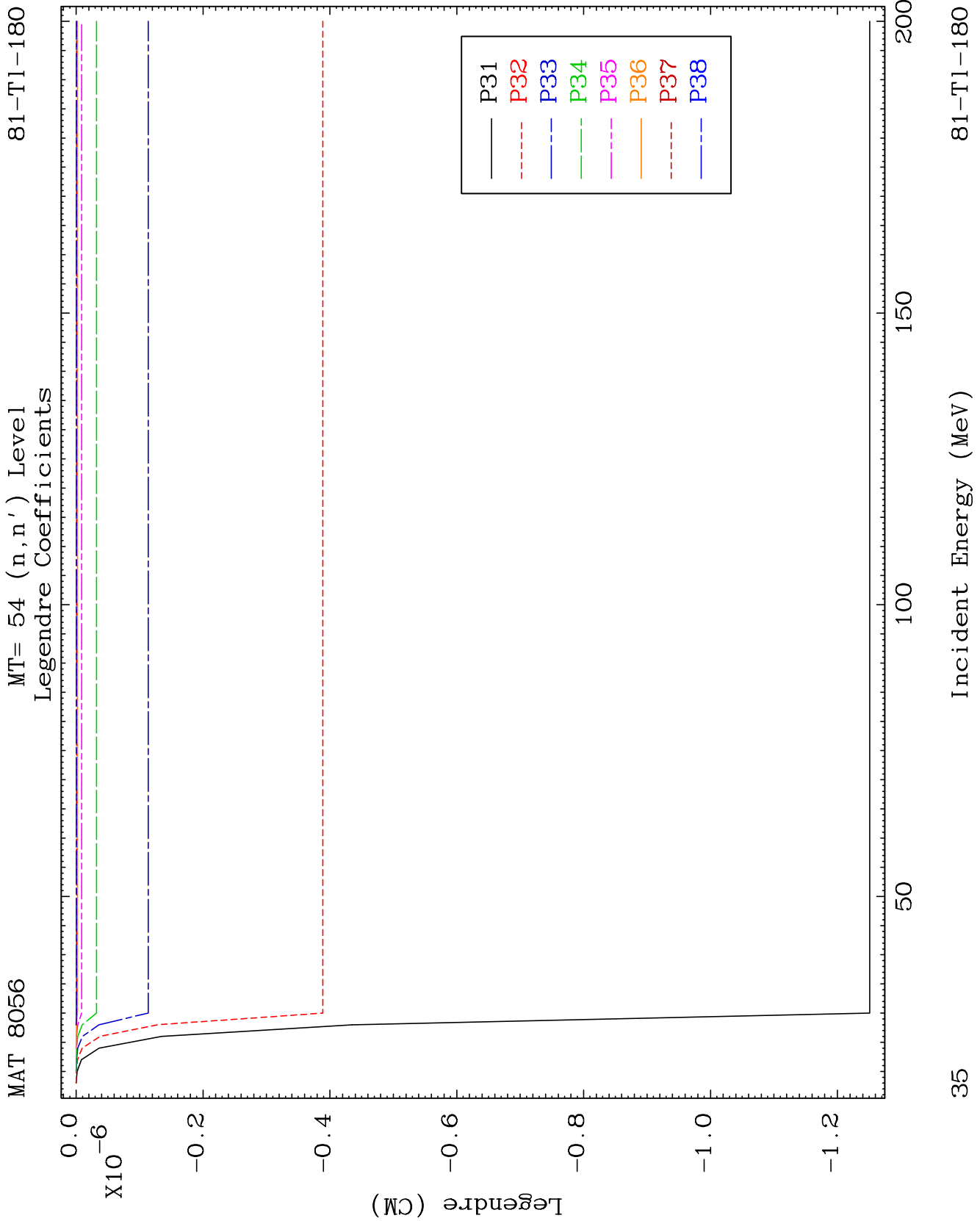
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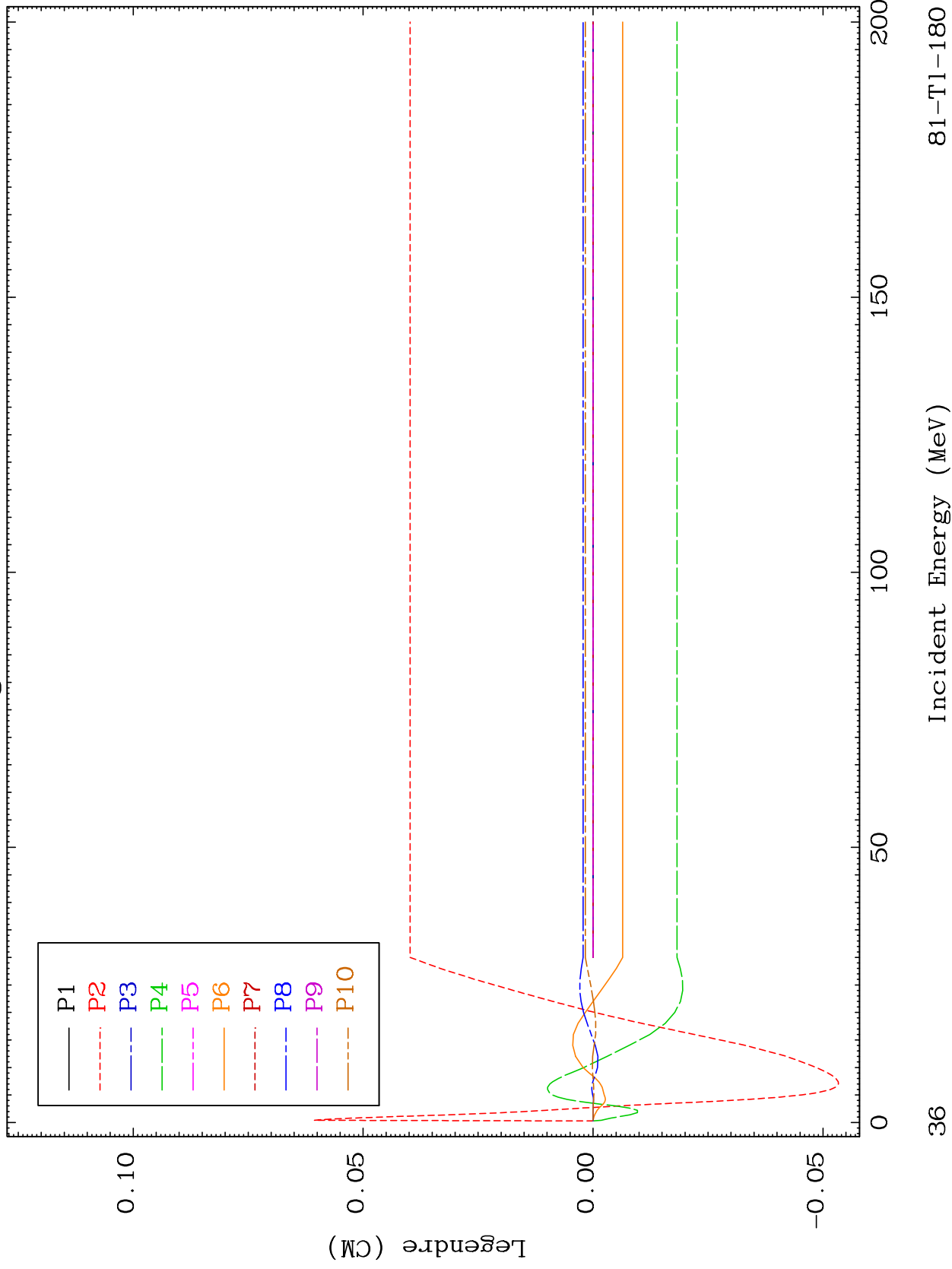




MAT 80566

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

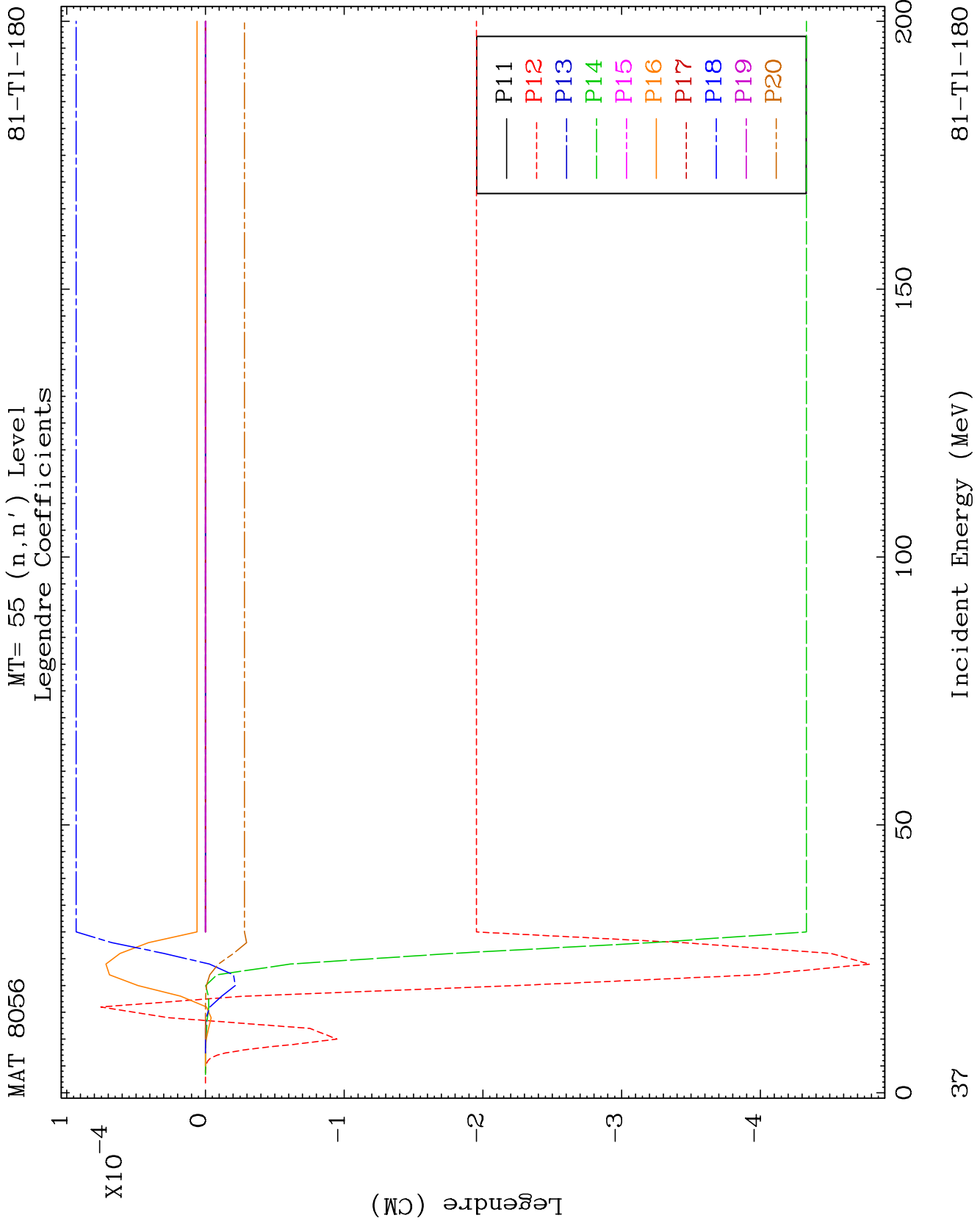
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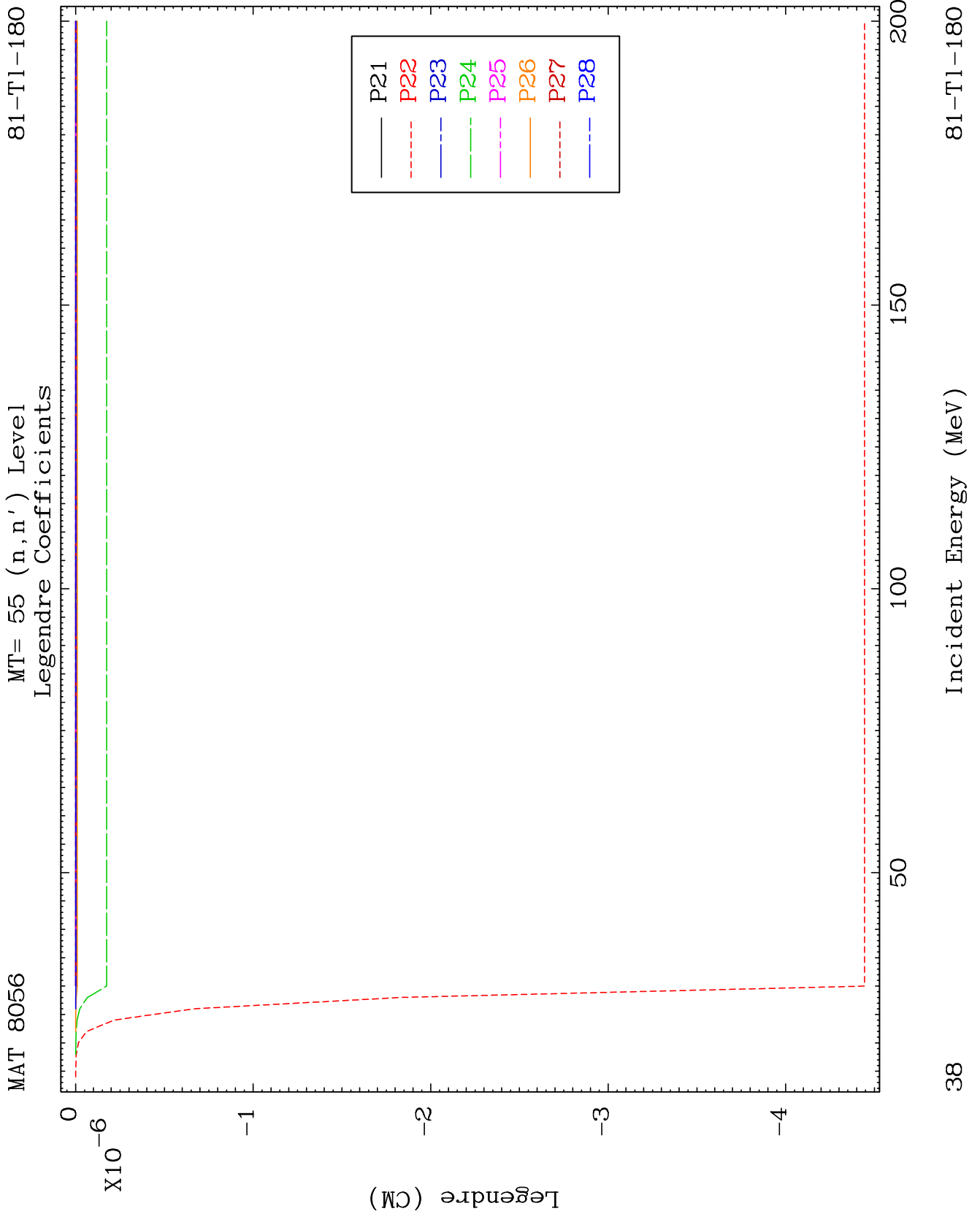


81-T1-180

Incident Energy (MeV)

36

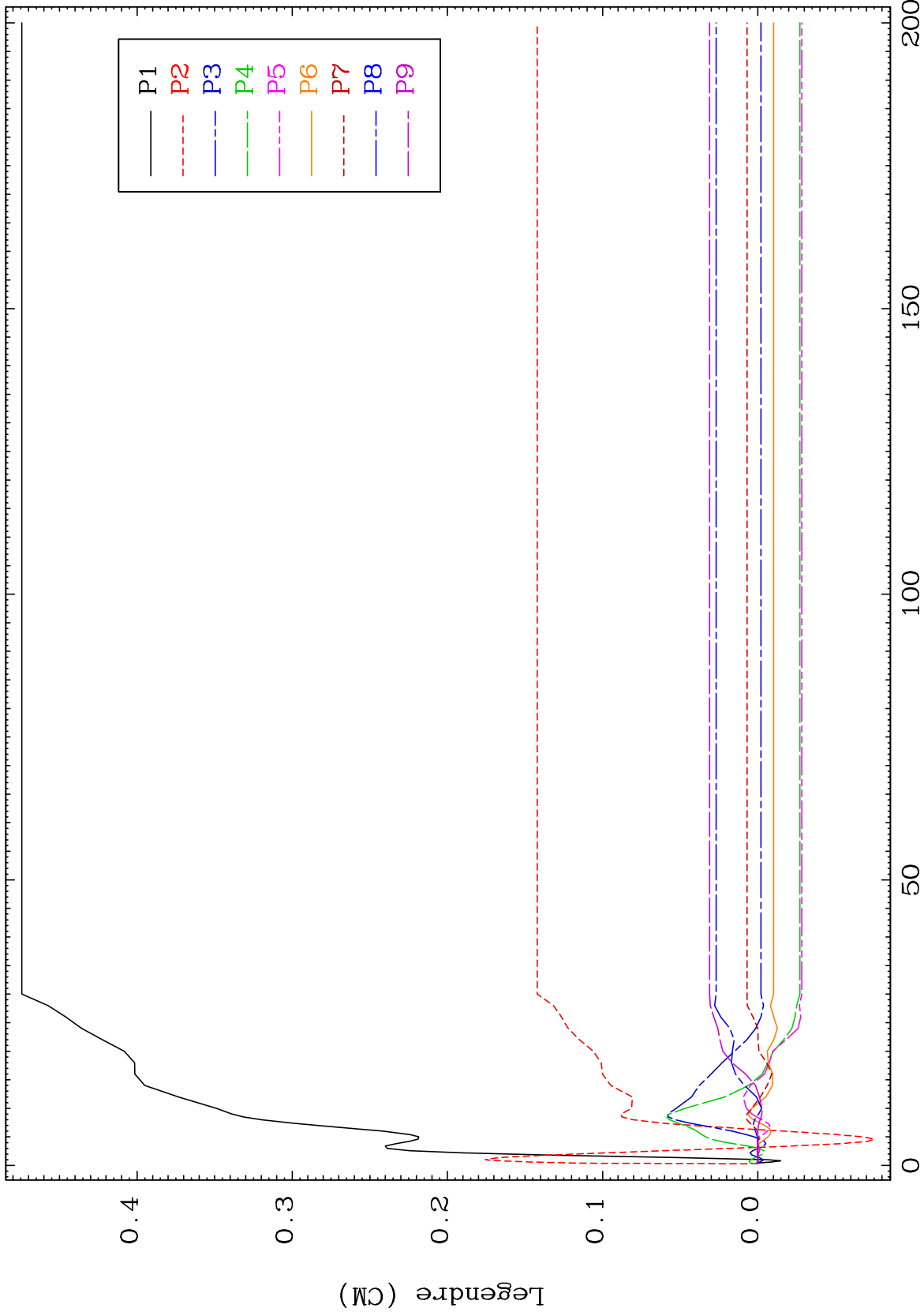




MAT 8056

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

81-T1-180



39

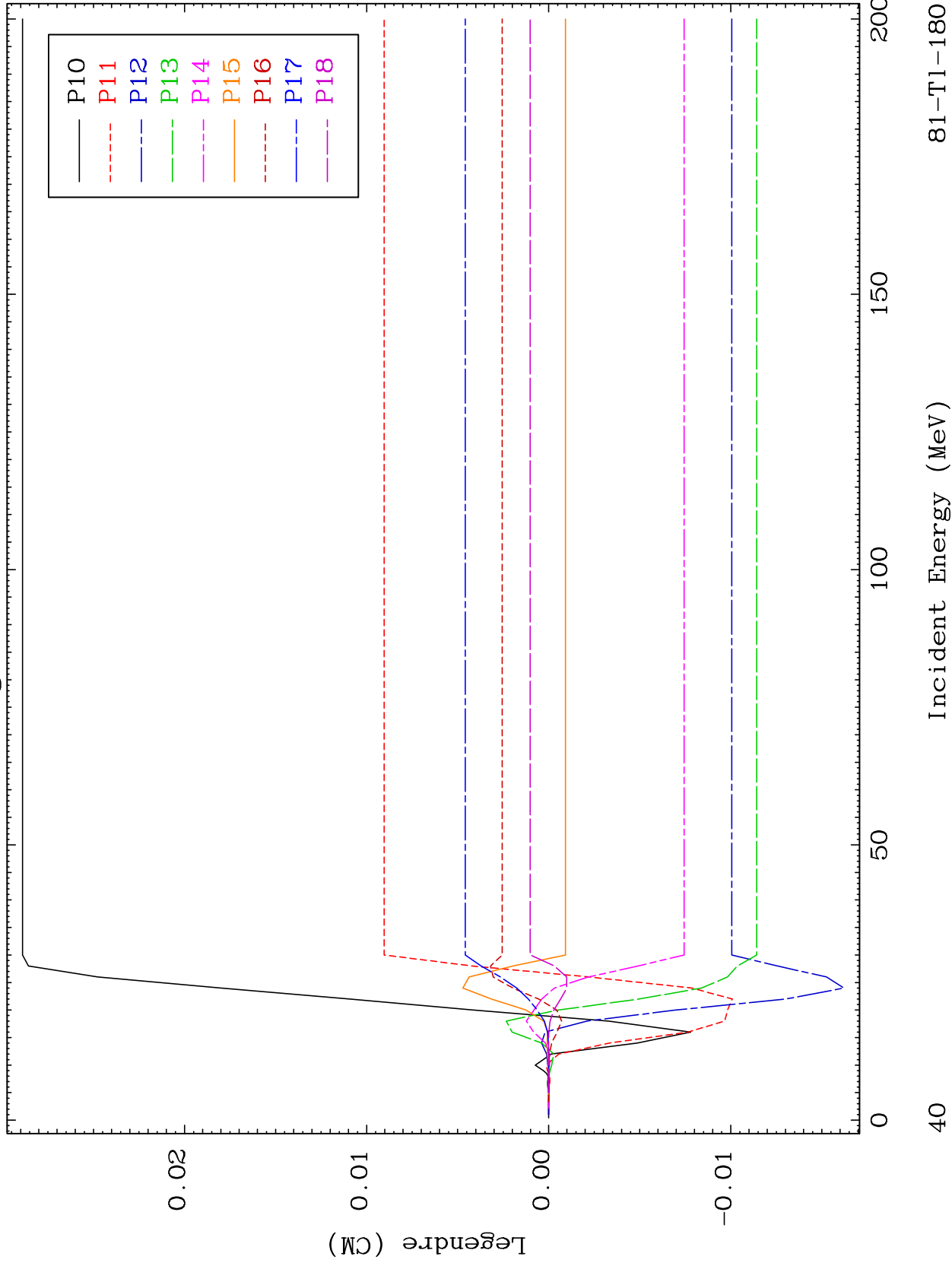
Incident Energy (MeV)

81-T1-180

MAT 8056

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

81-T1-180



81-T1-180

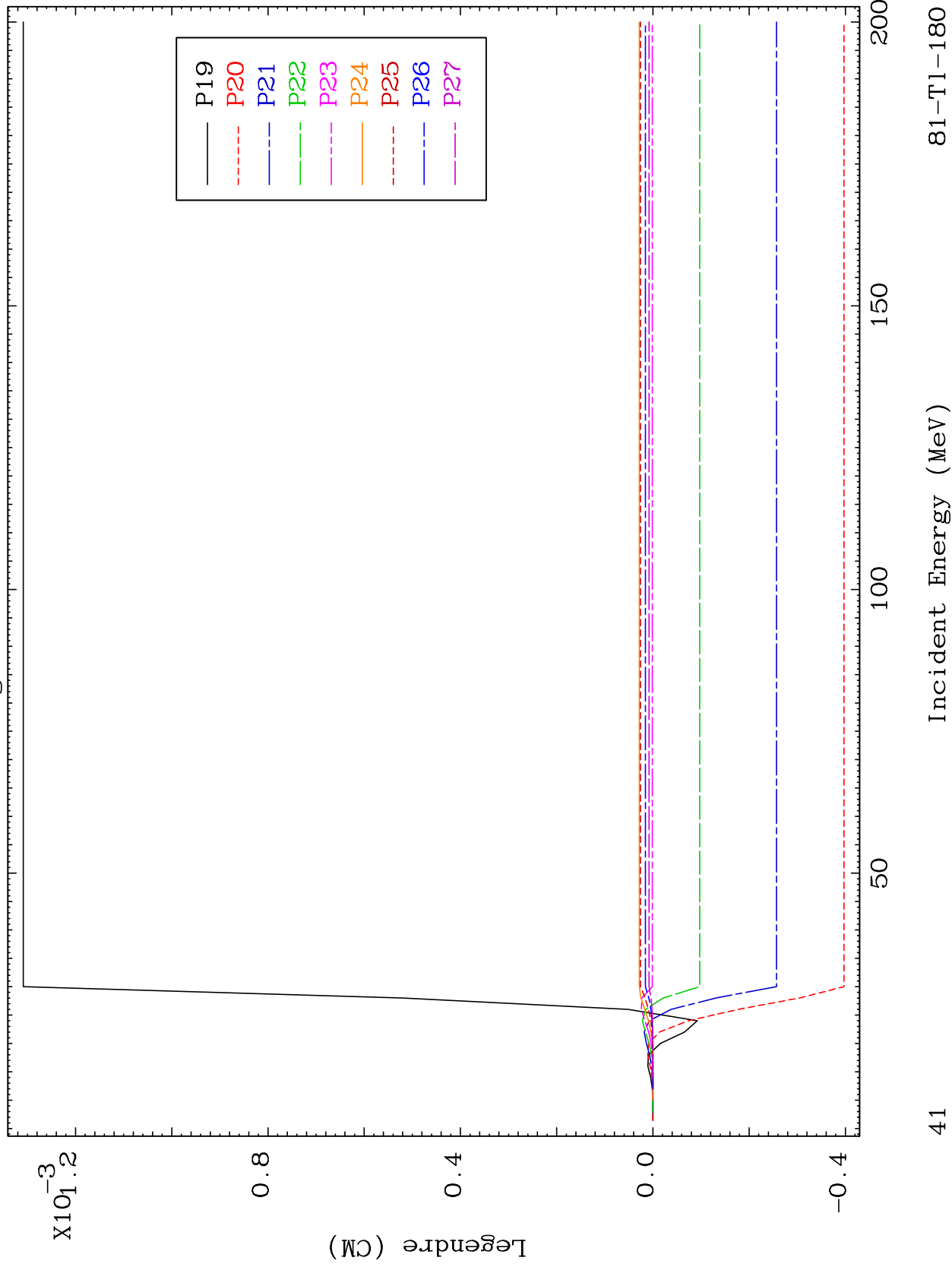
Incident Energy (MeV)

40

MAT 8056

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

81-Tl-180

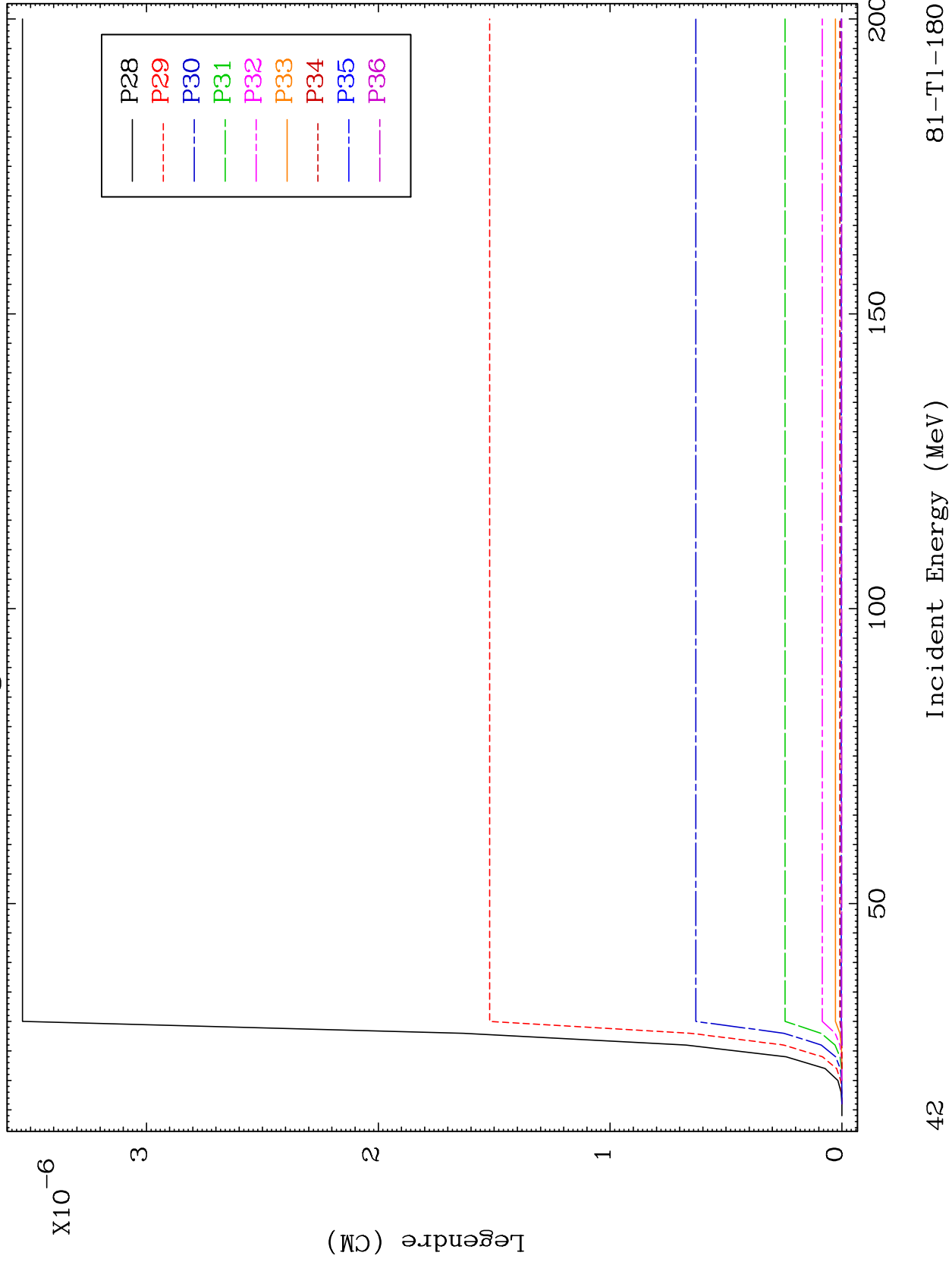


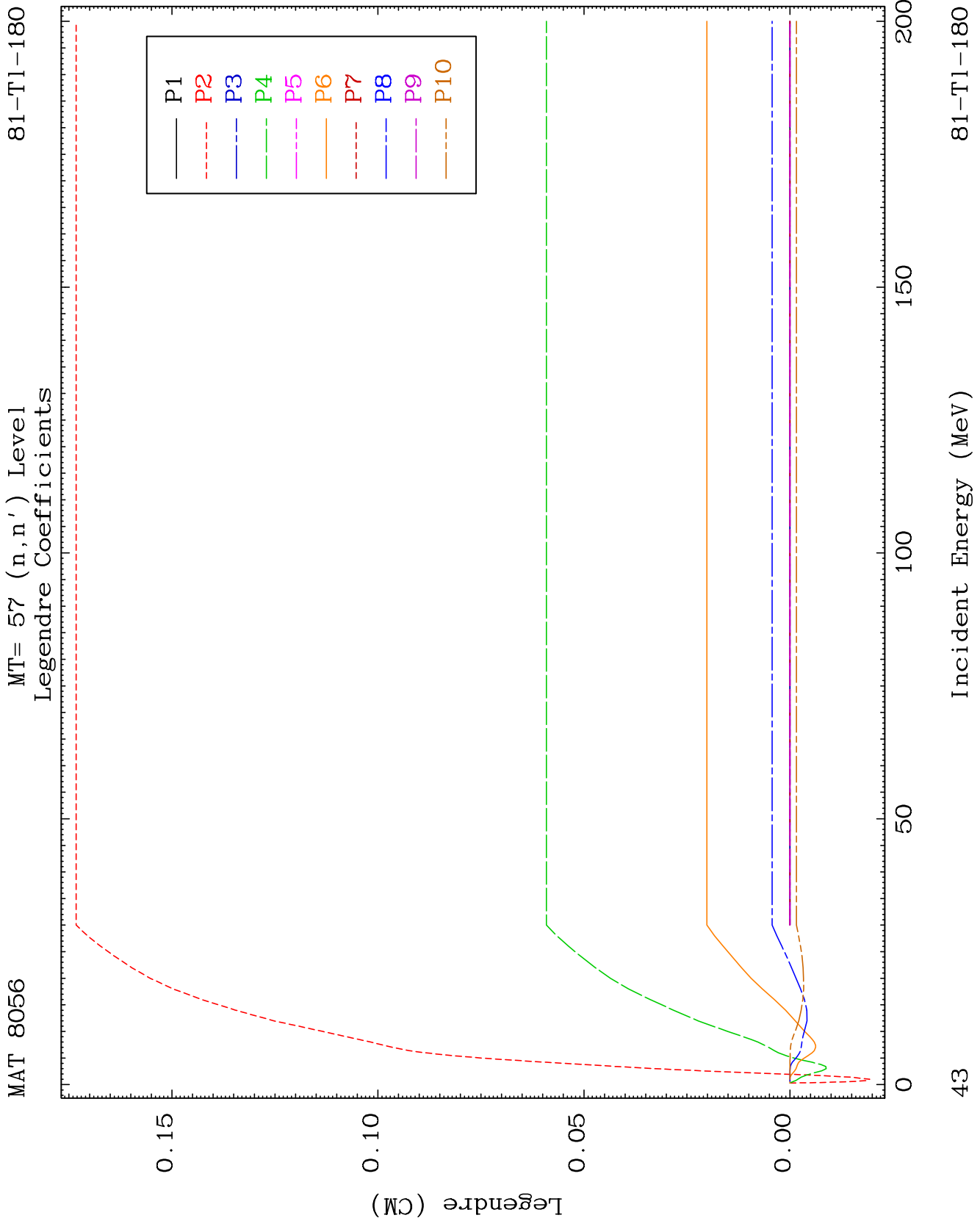
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MAT 8056

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

81-Tl-180

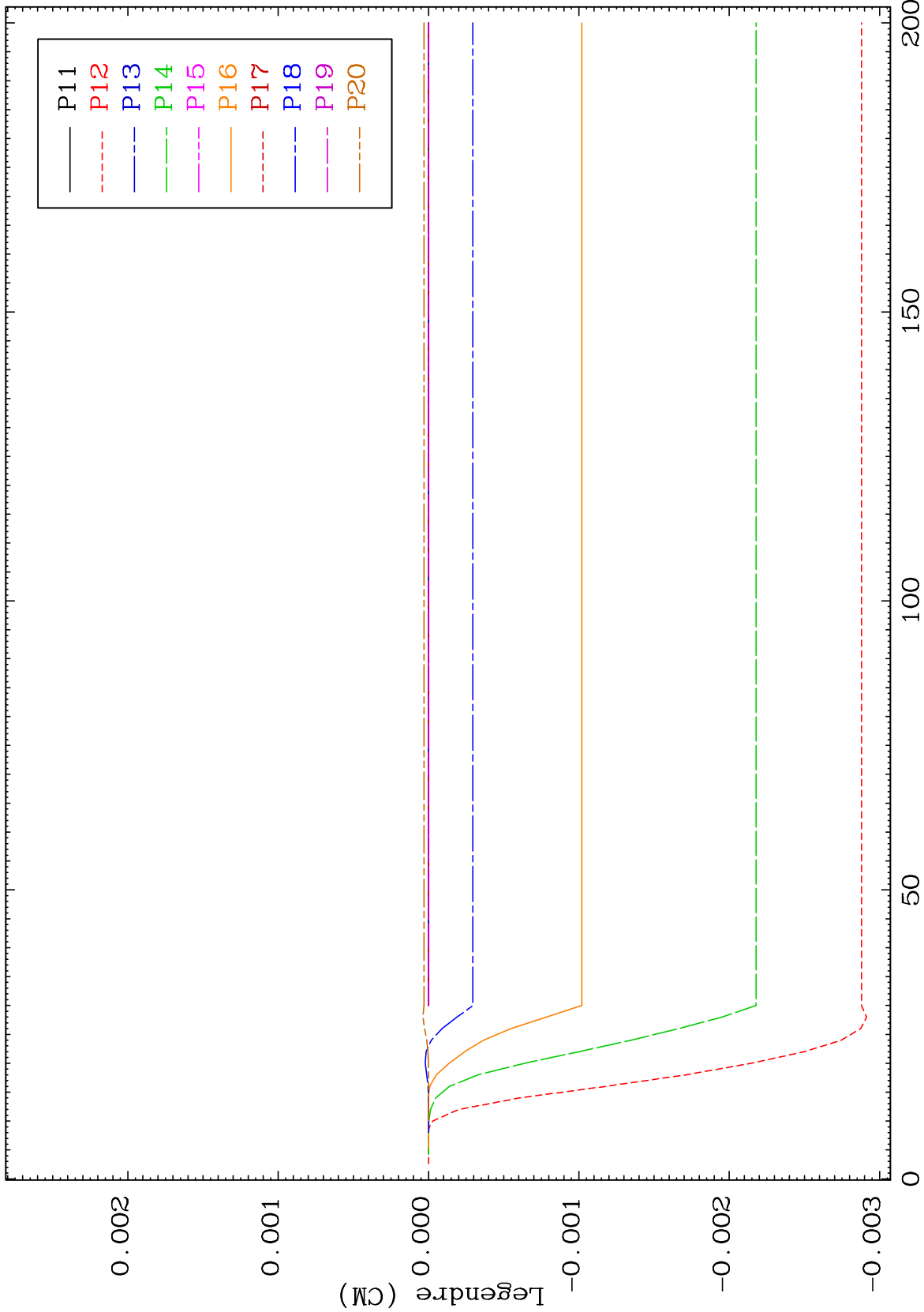




MAT 8056

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

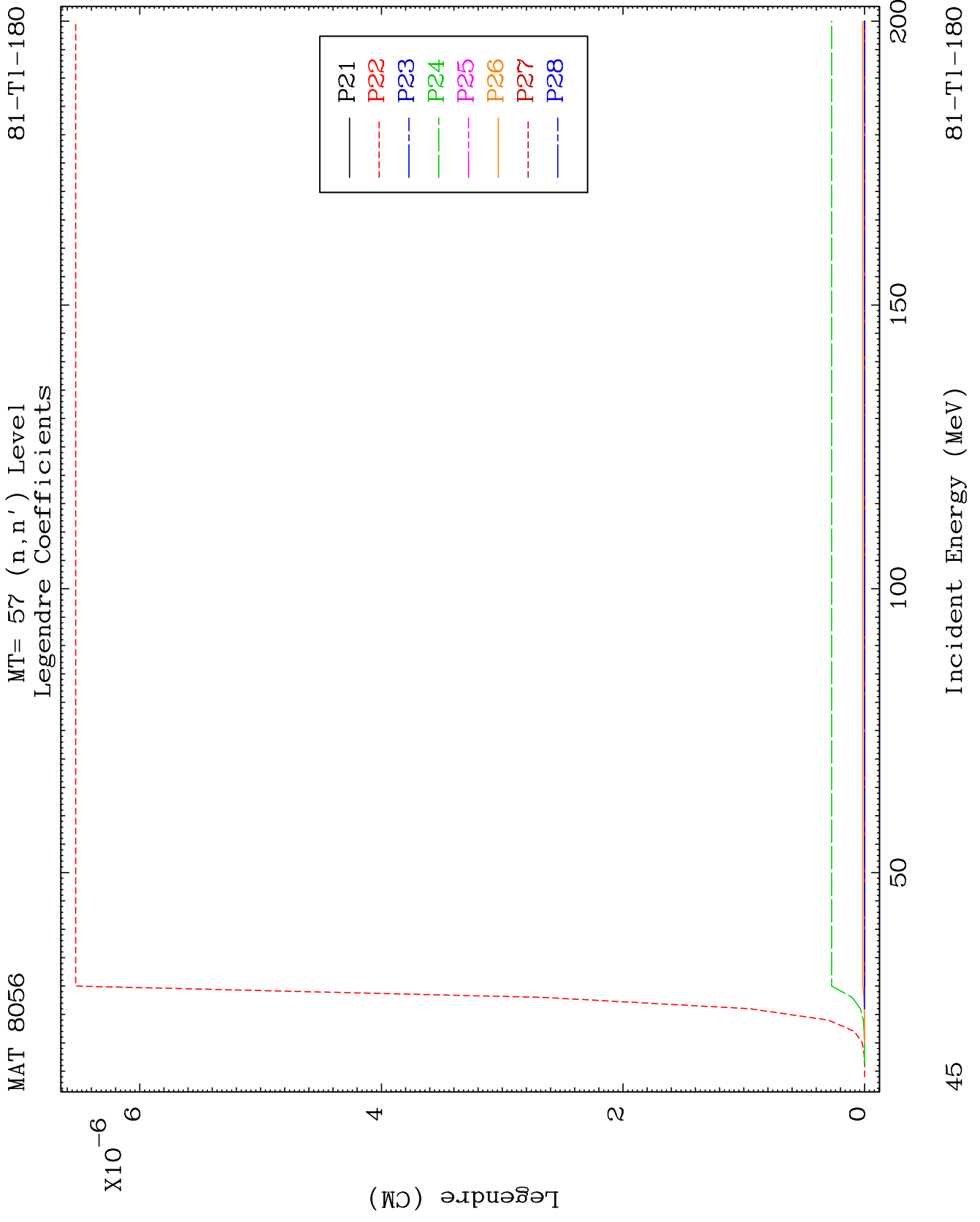
81-Tl-180



44

Incident Energy (MeV)

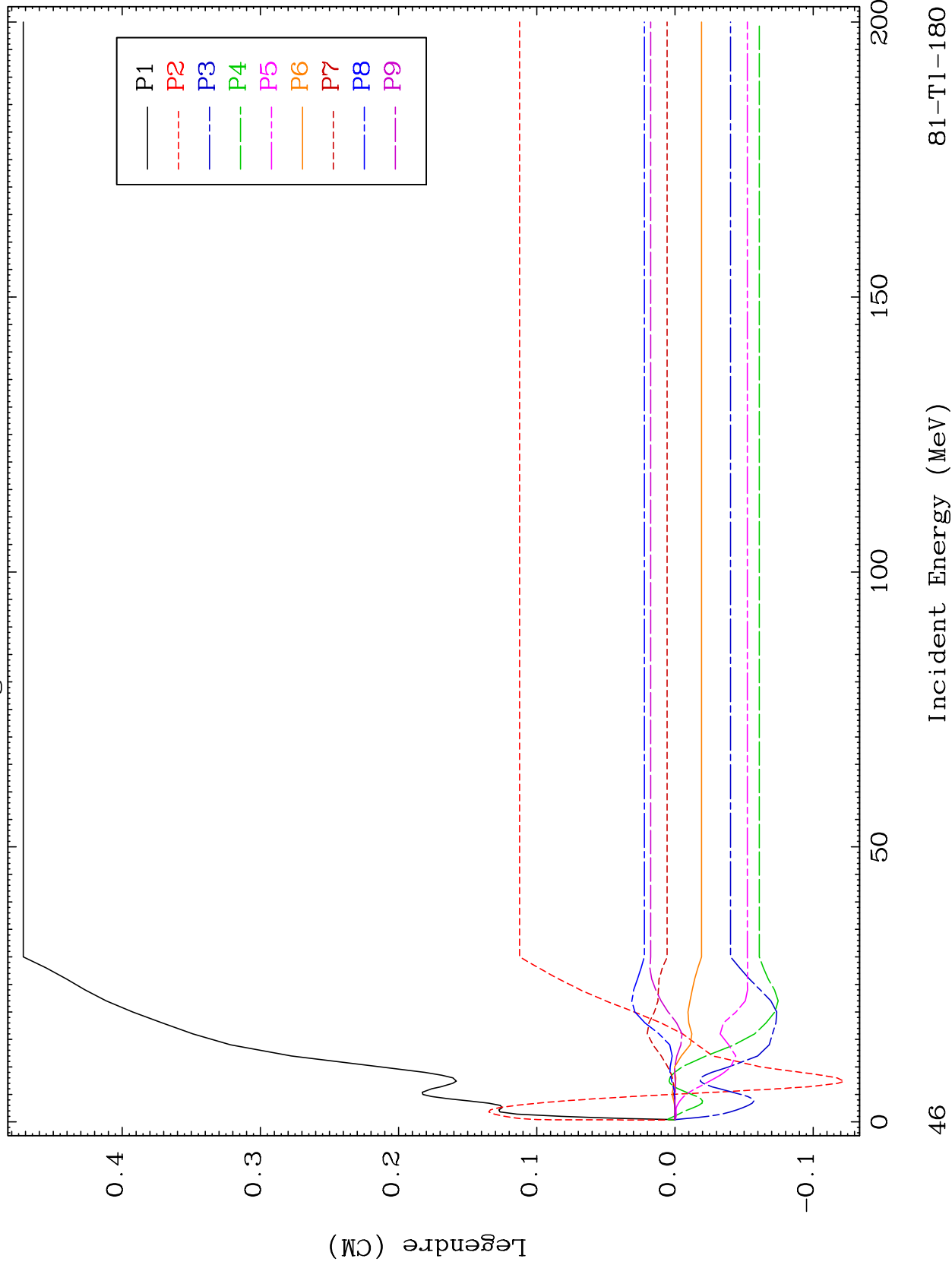
81-Tl-180



MAT 8056

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

81-T1-180



81-T1-180

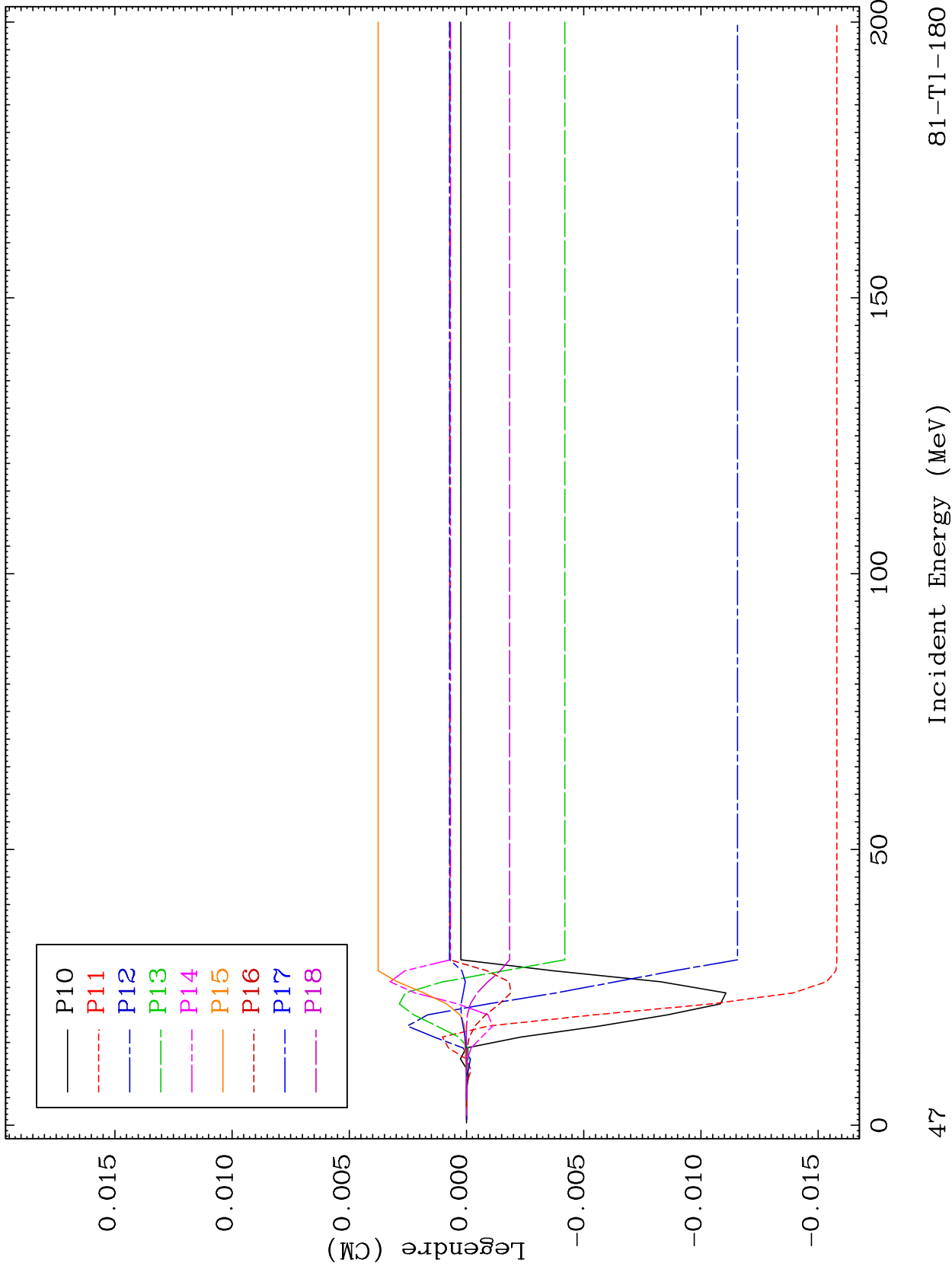
Incident Energy (MeV)

46

MAT 80566

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

81-T1-180



47

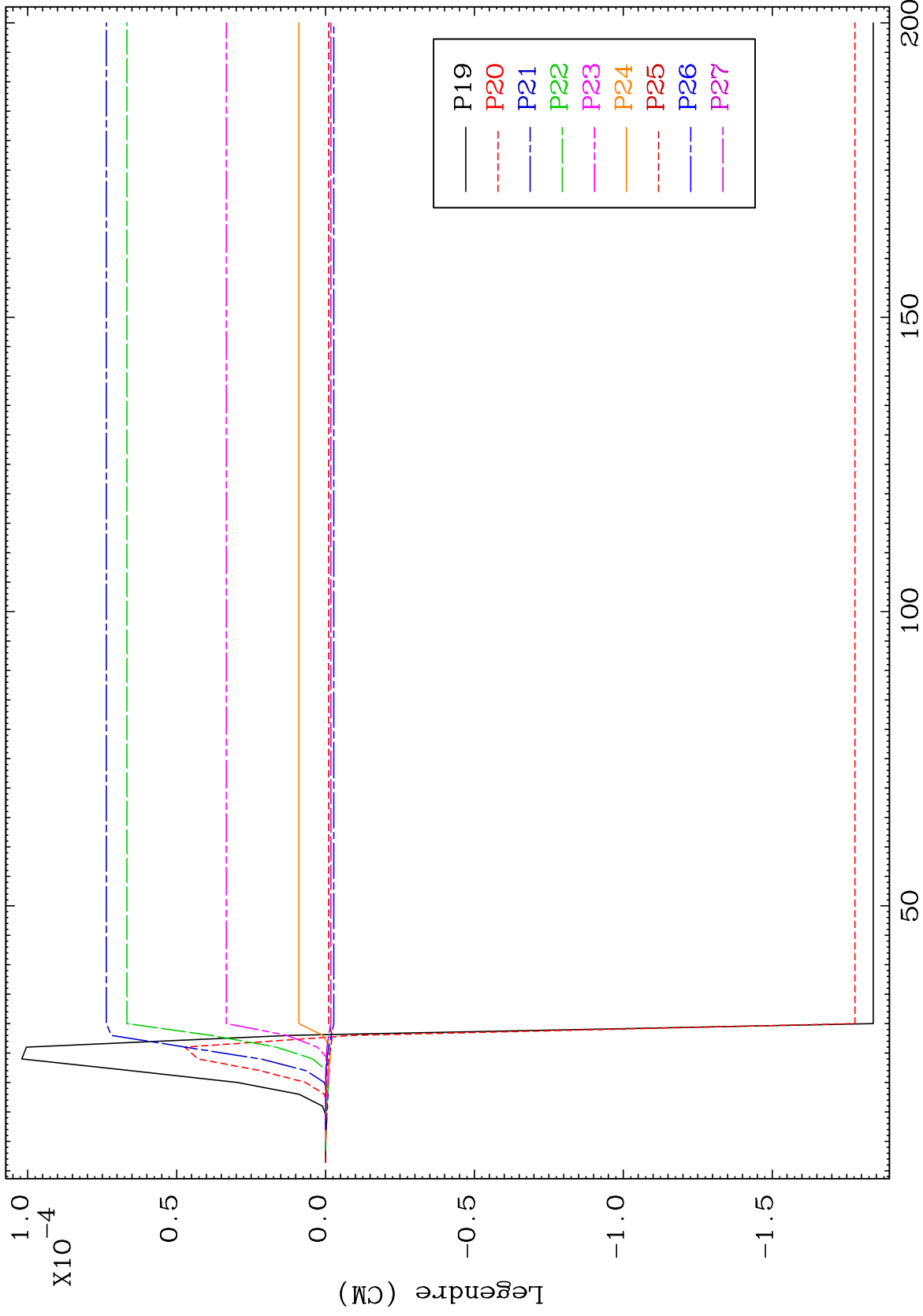
Incident Energy (MeV)

81-T1-180

MAT 80566

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

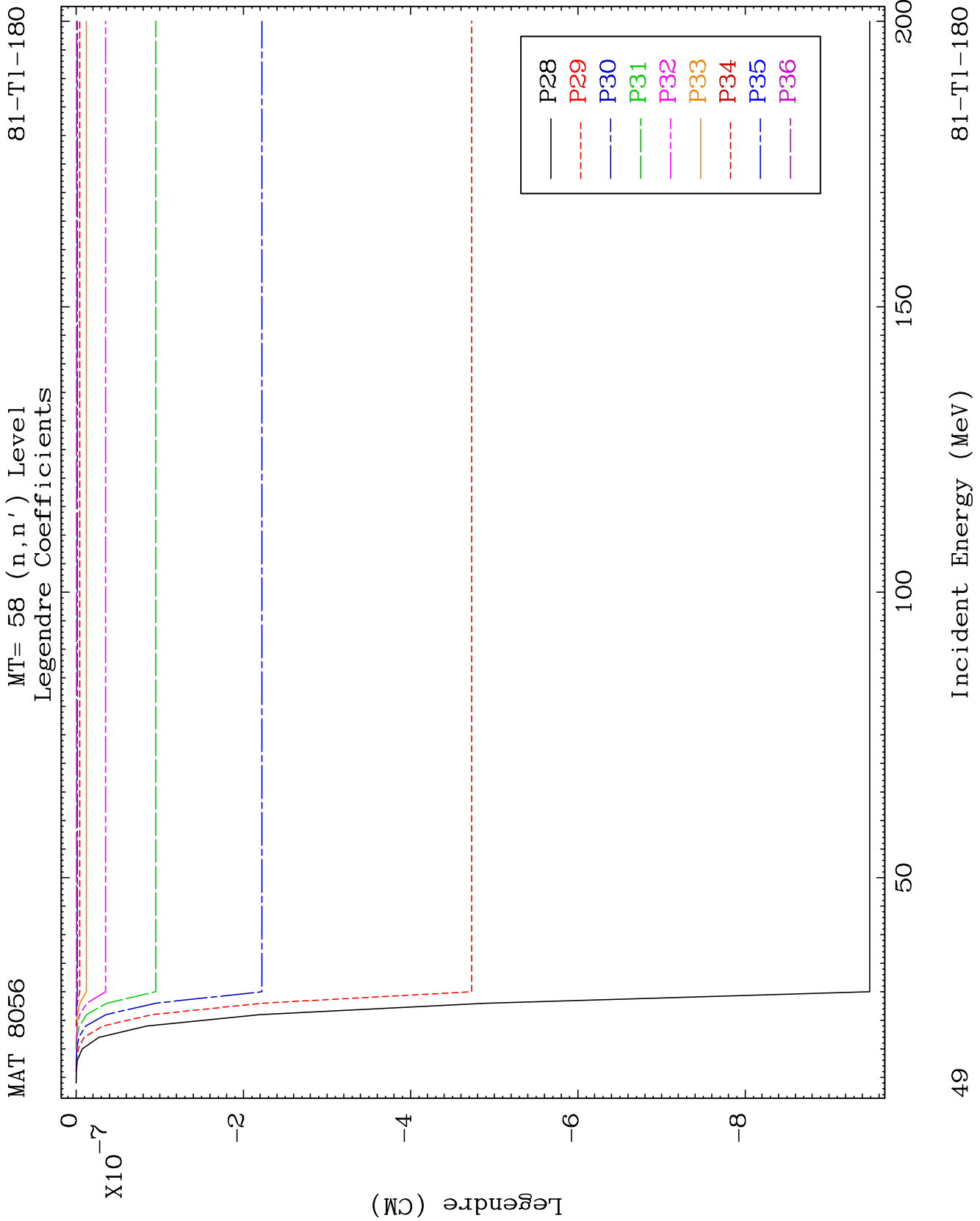
81-T1-180



48

Incident Energy (MeV)

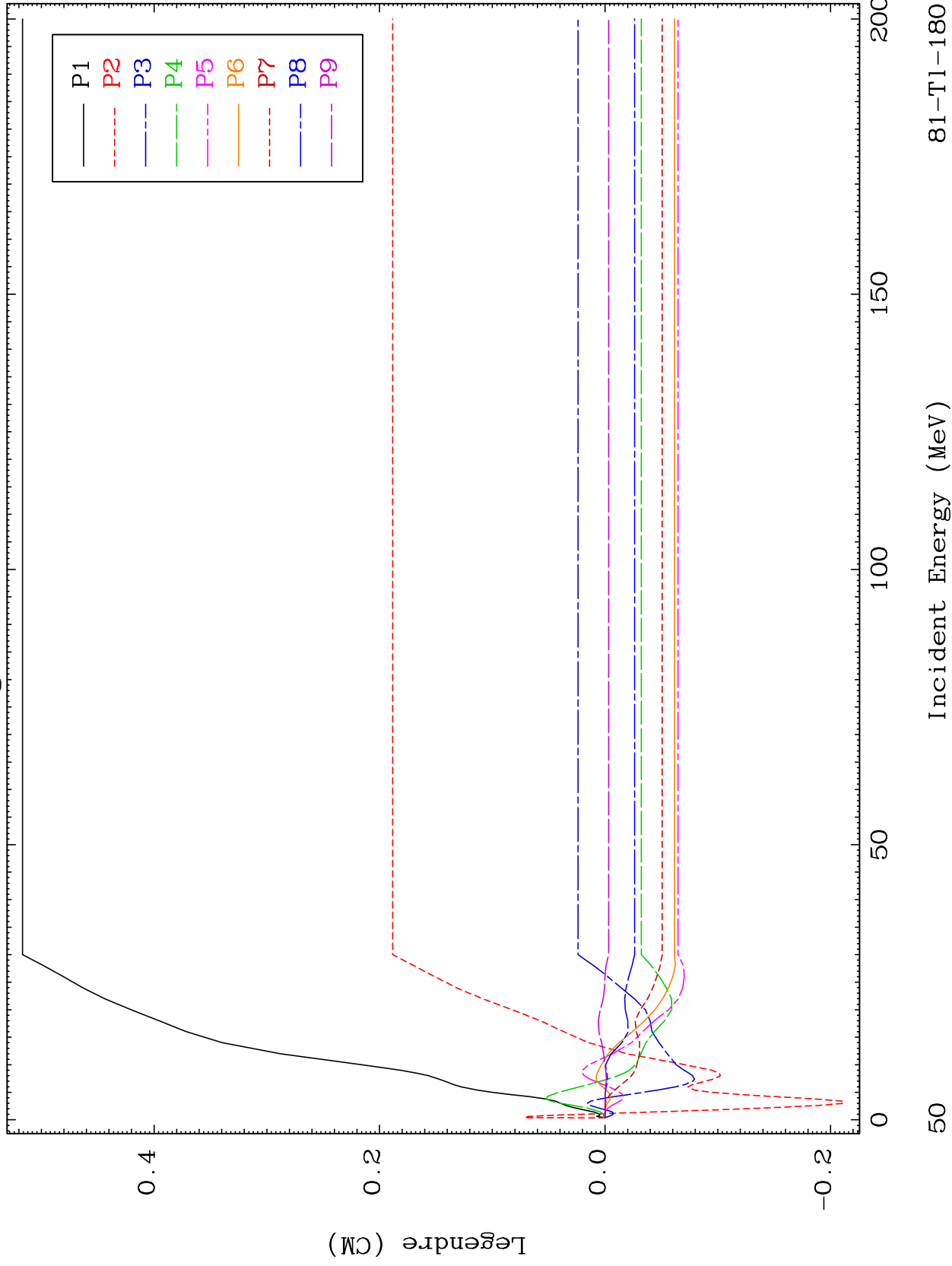
81-T1-180



MAT 8056

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

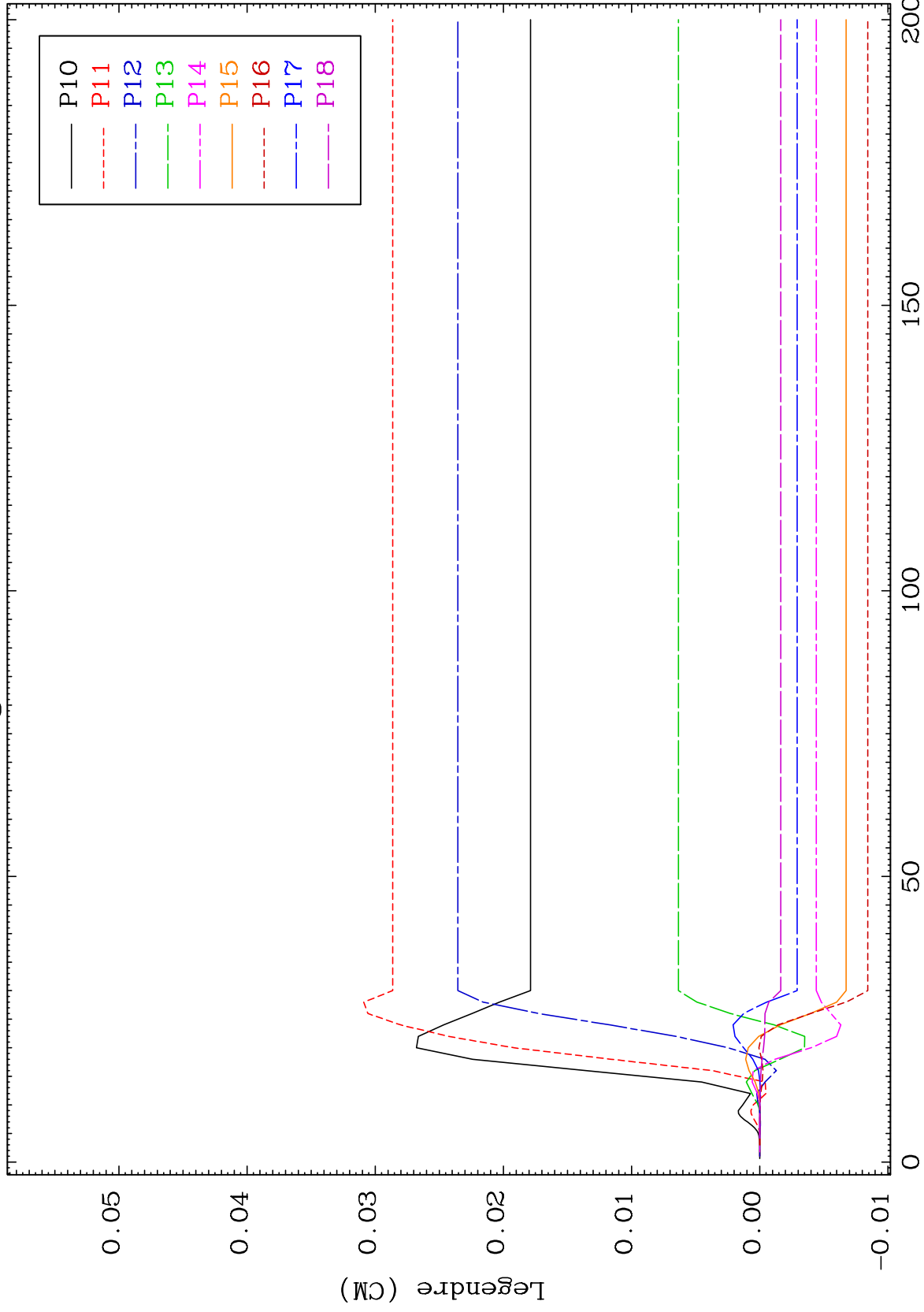
81-T1-180



MAT 8056

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

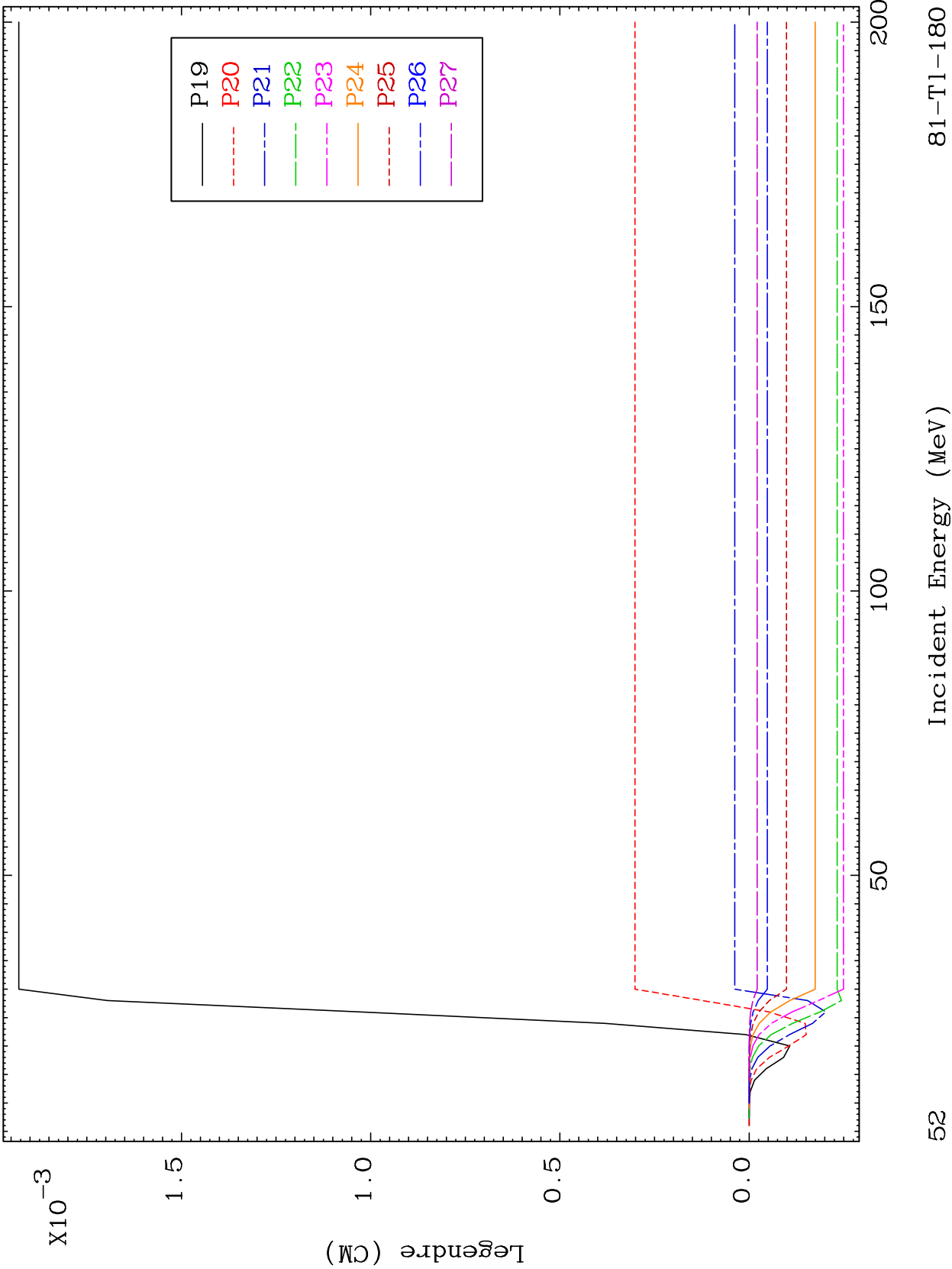
81-T1-180

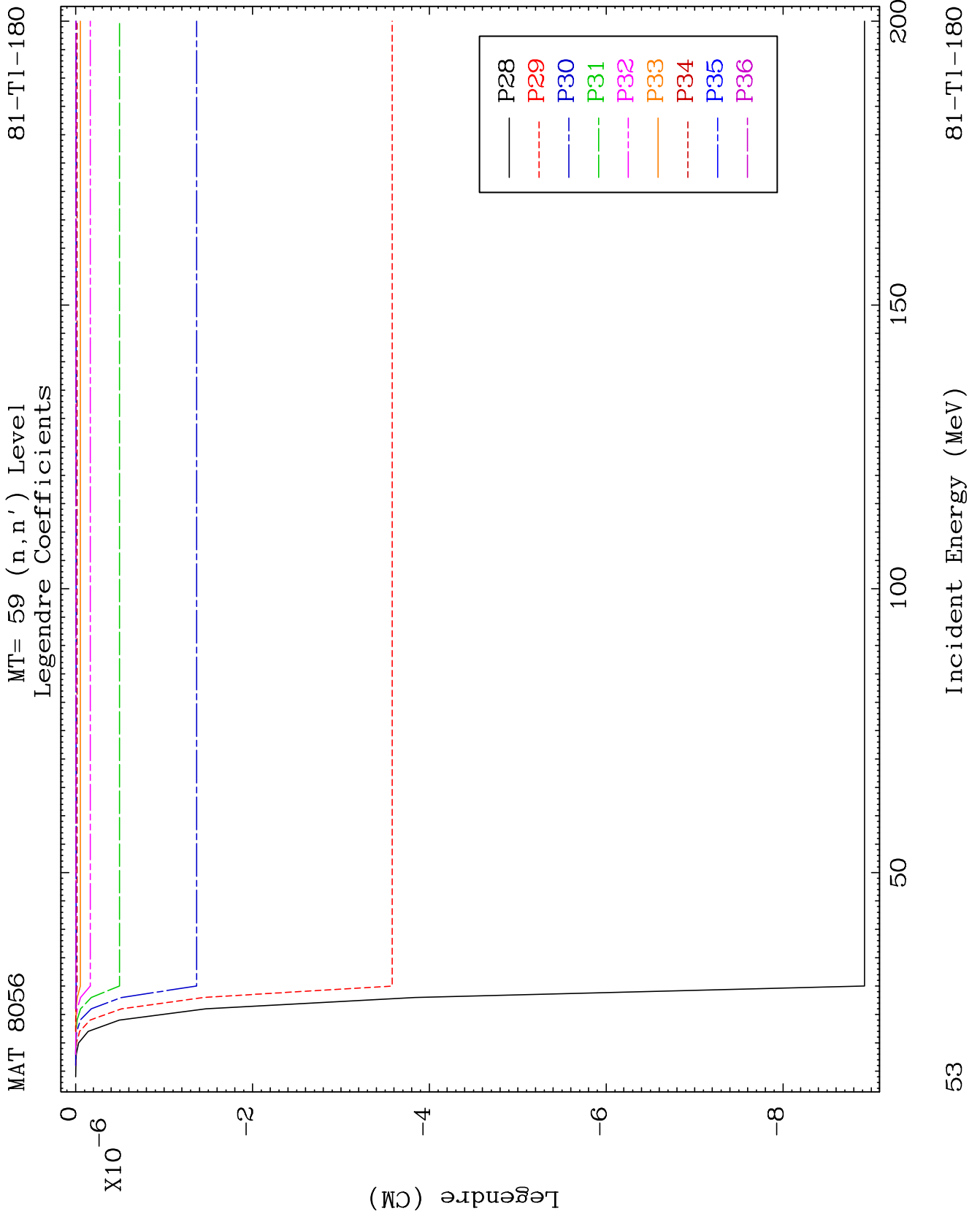


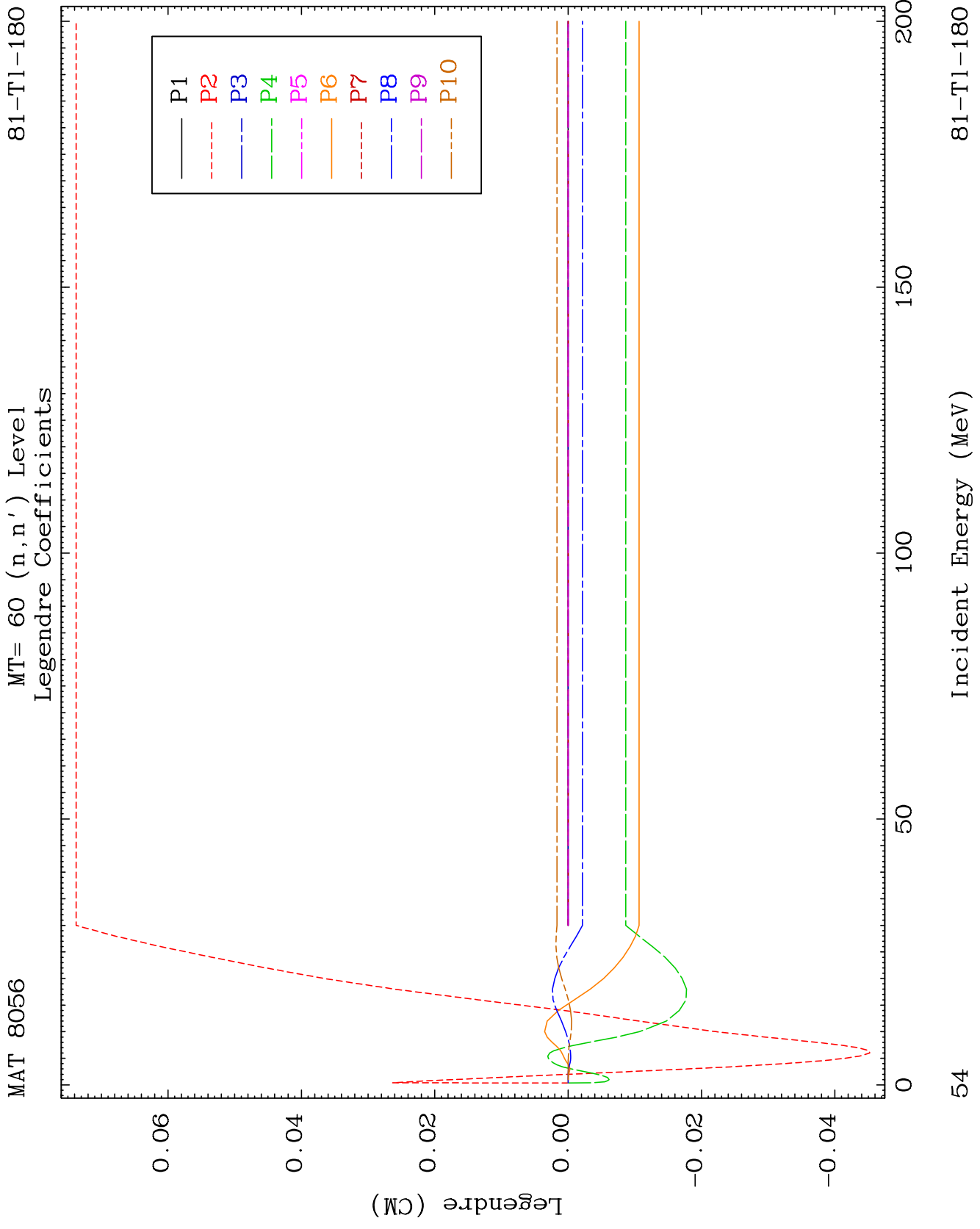
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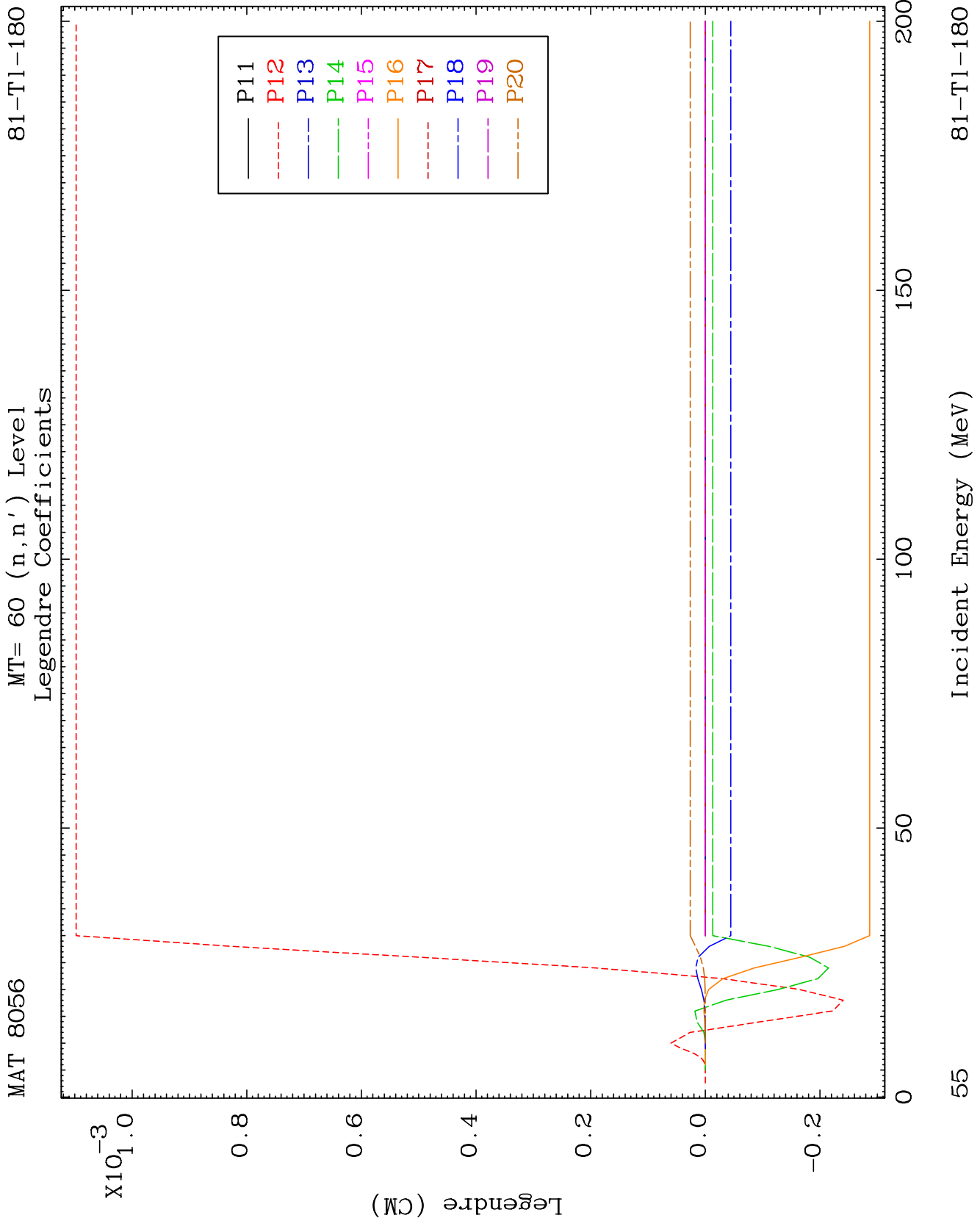
Incident Energy (MeV)

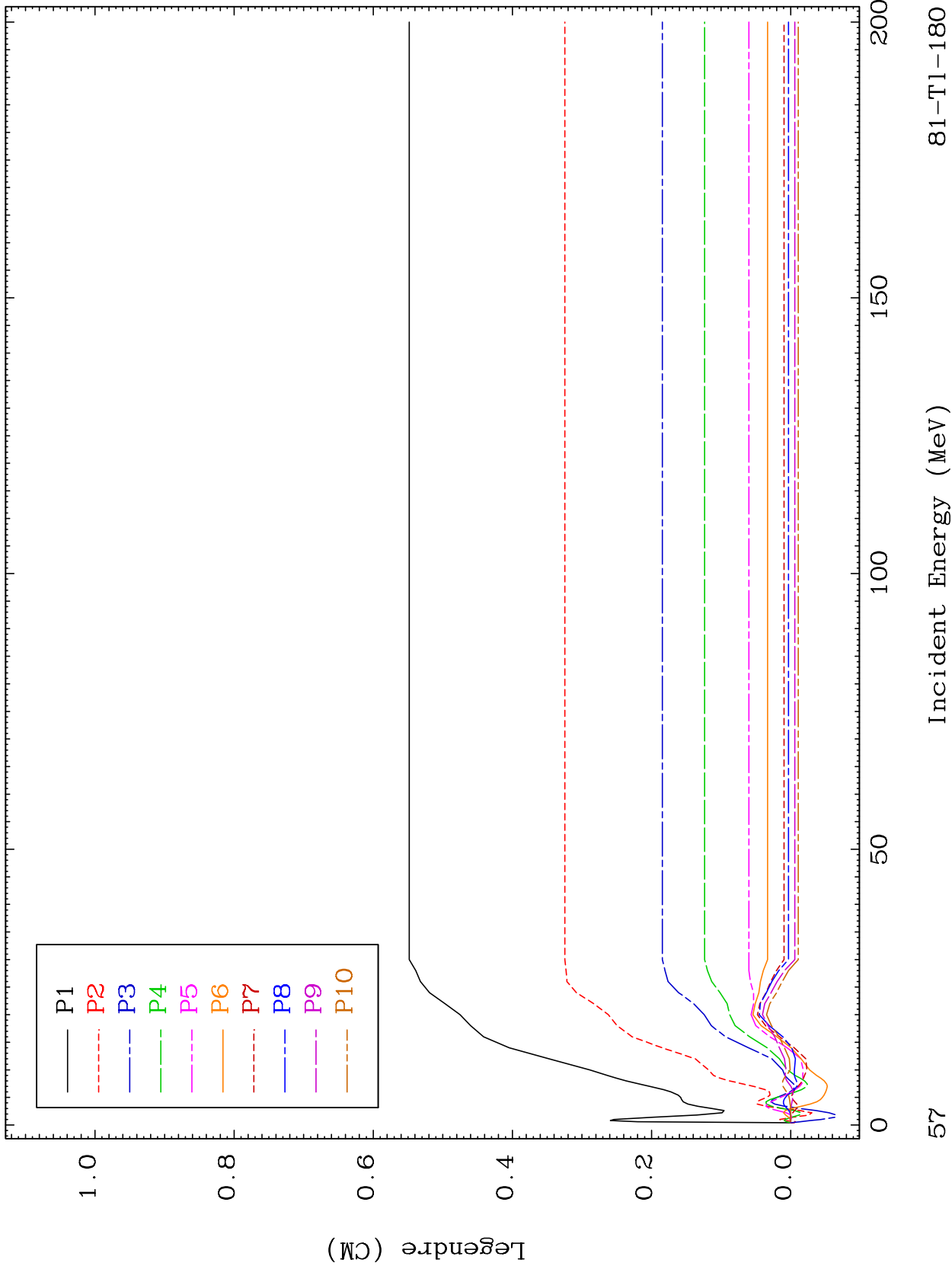
81-T1-180

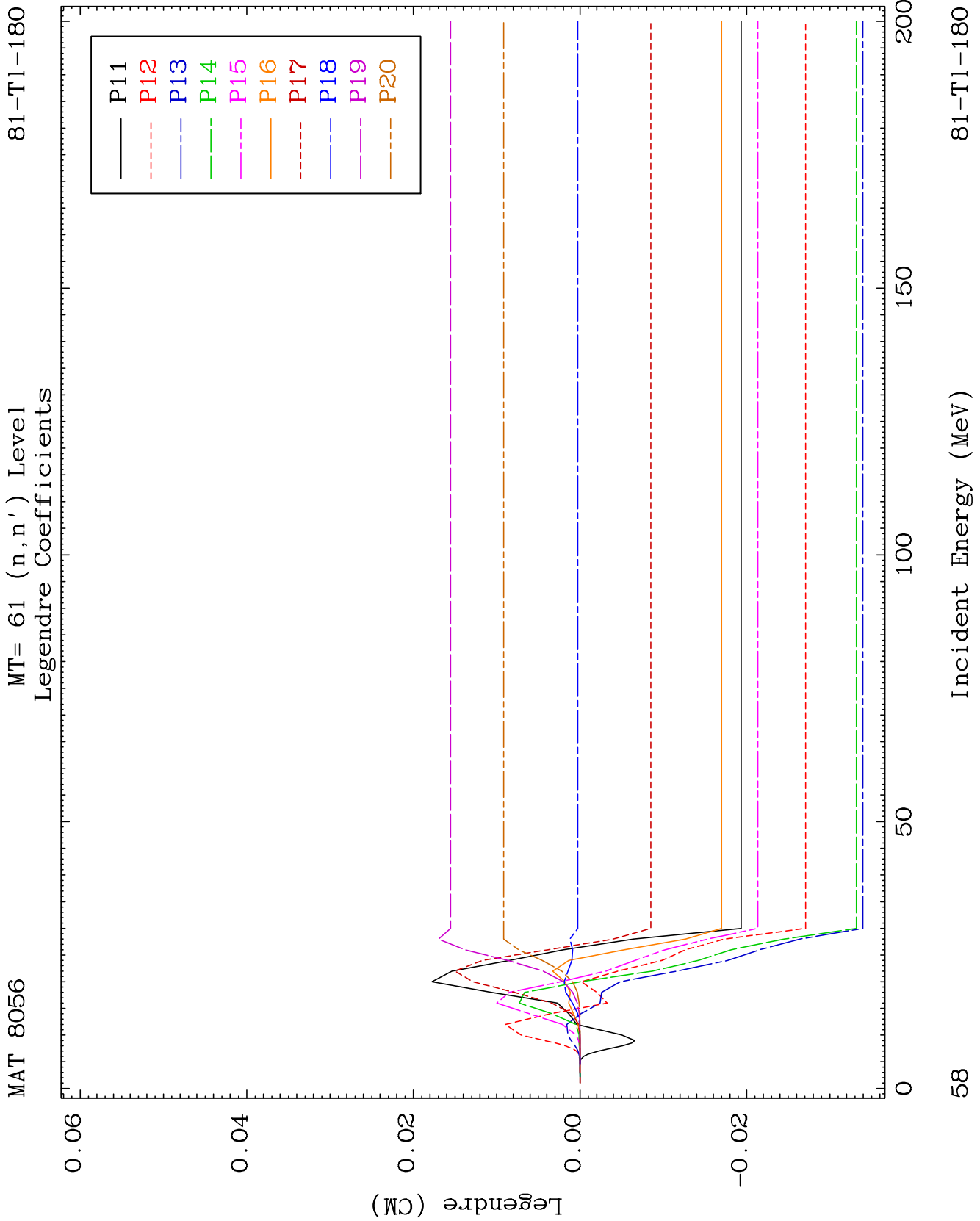


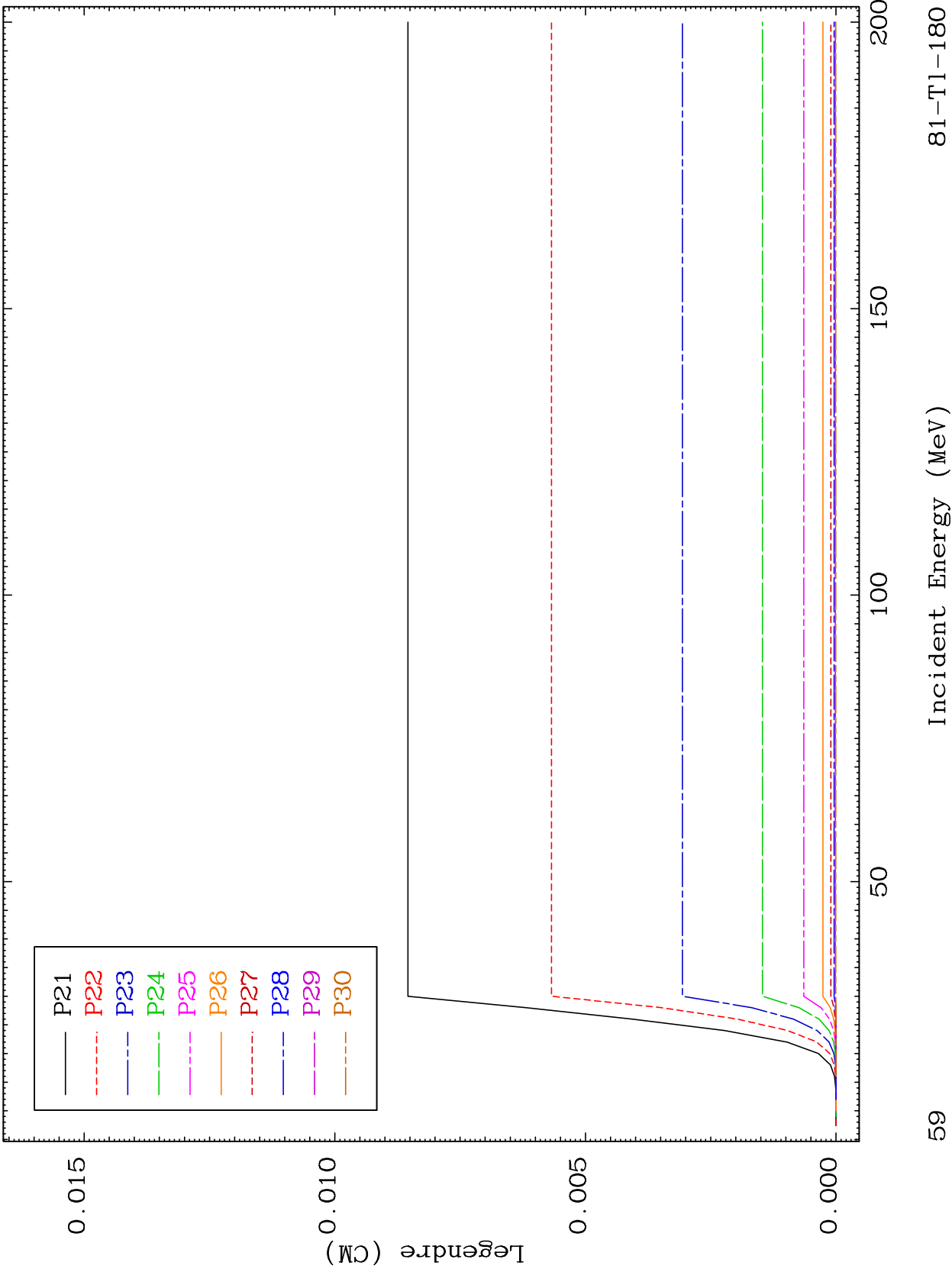


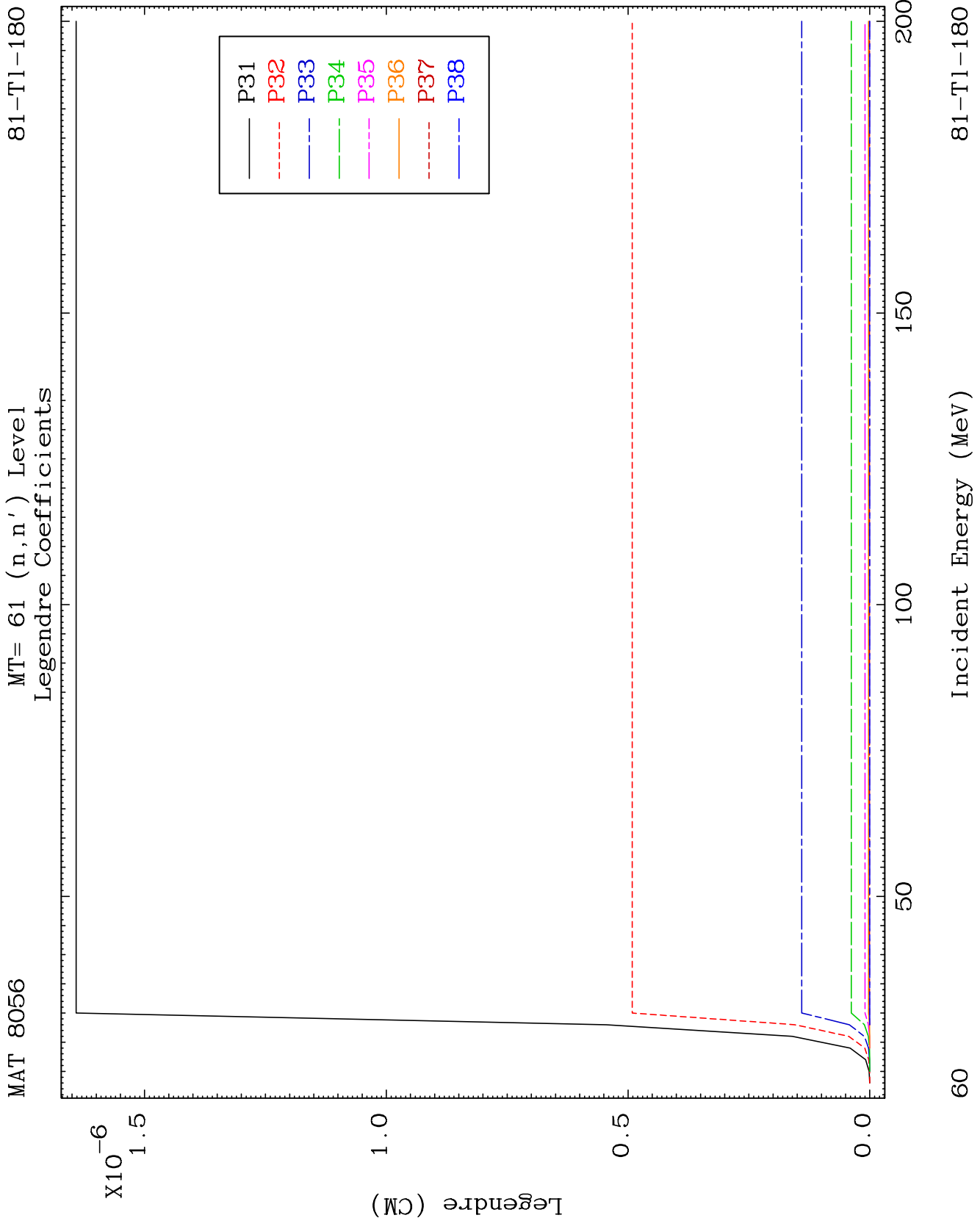


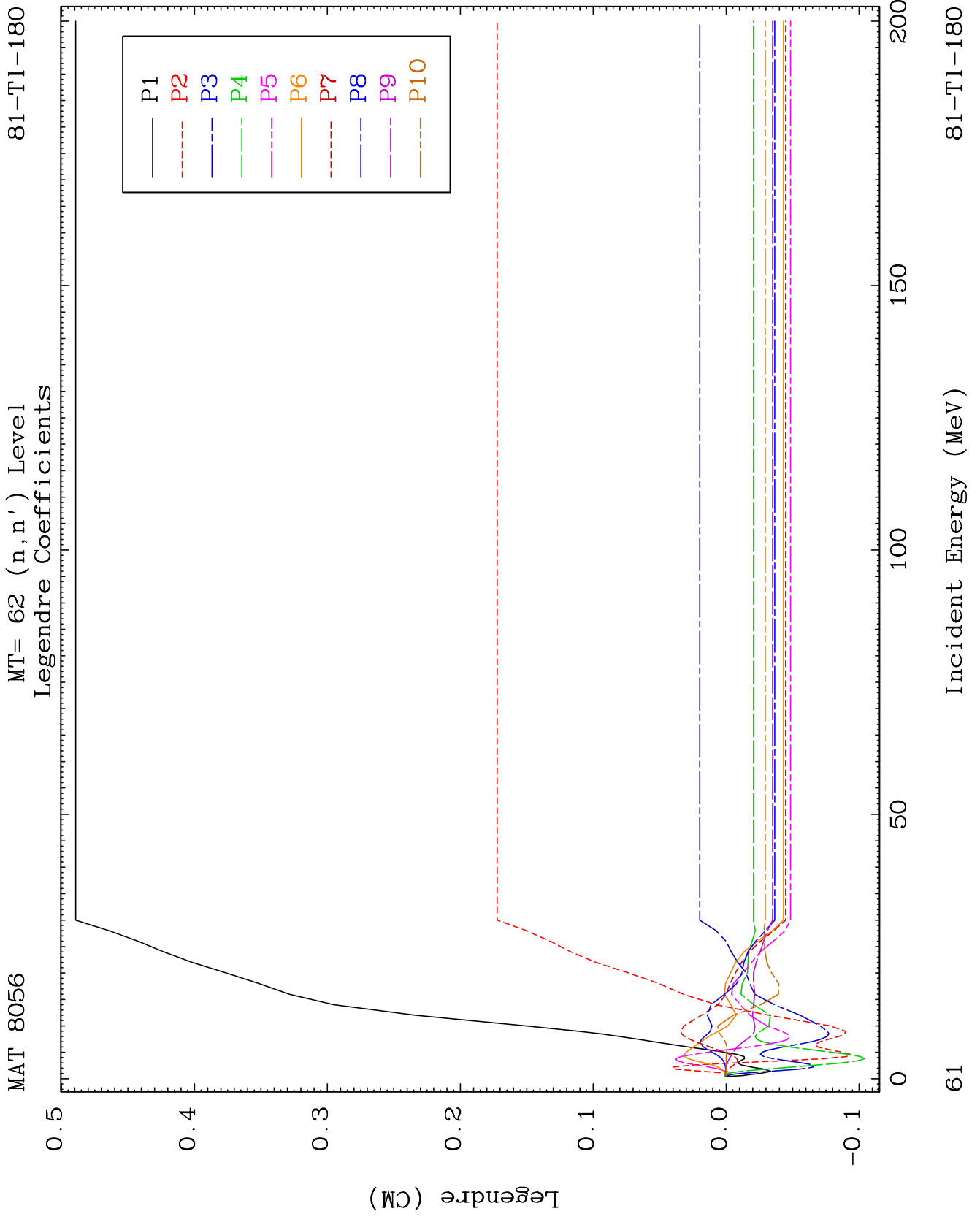


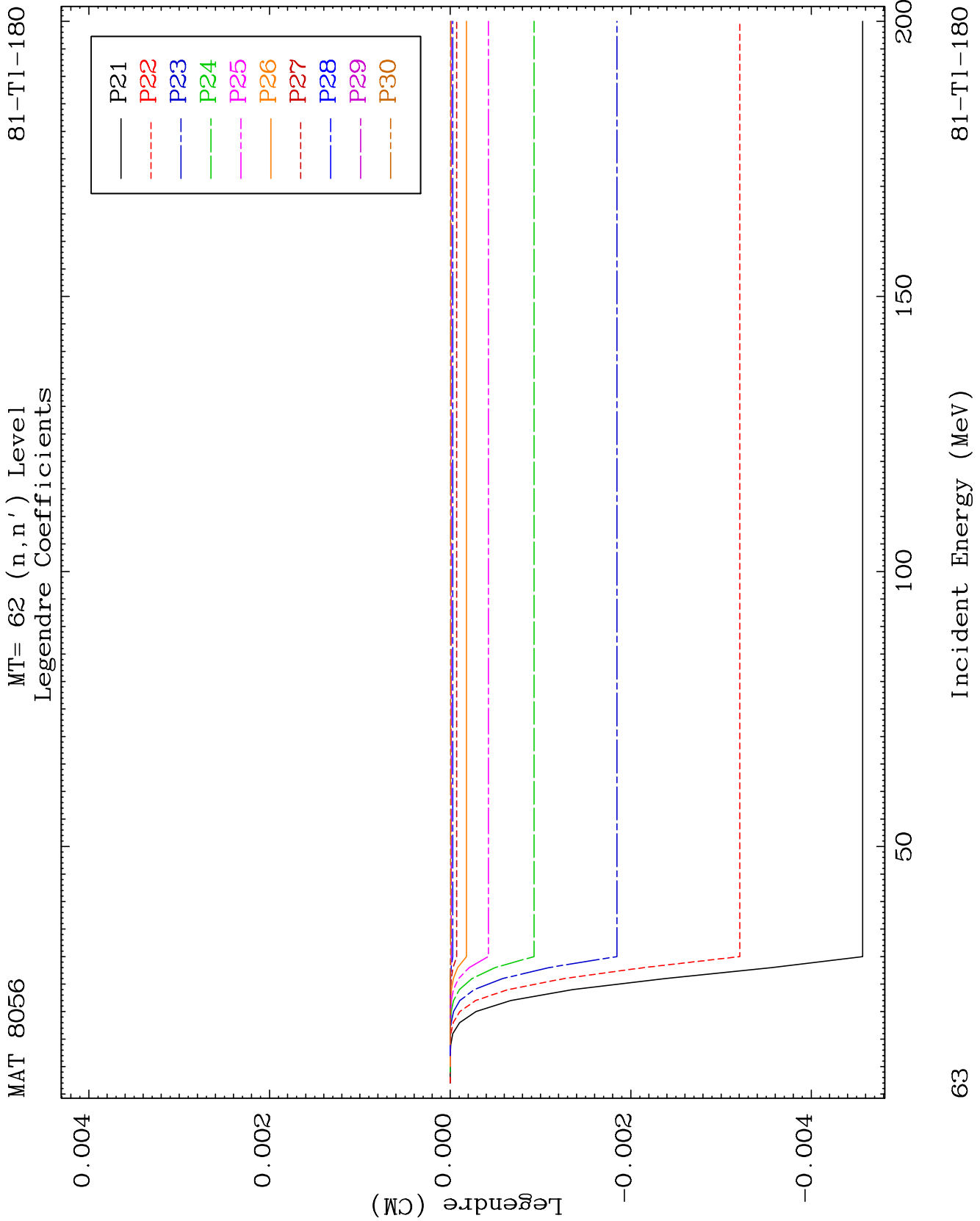


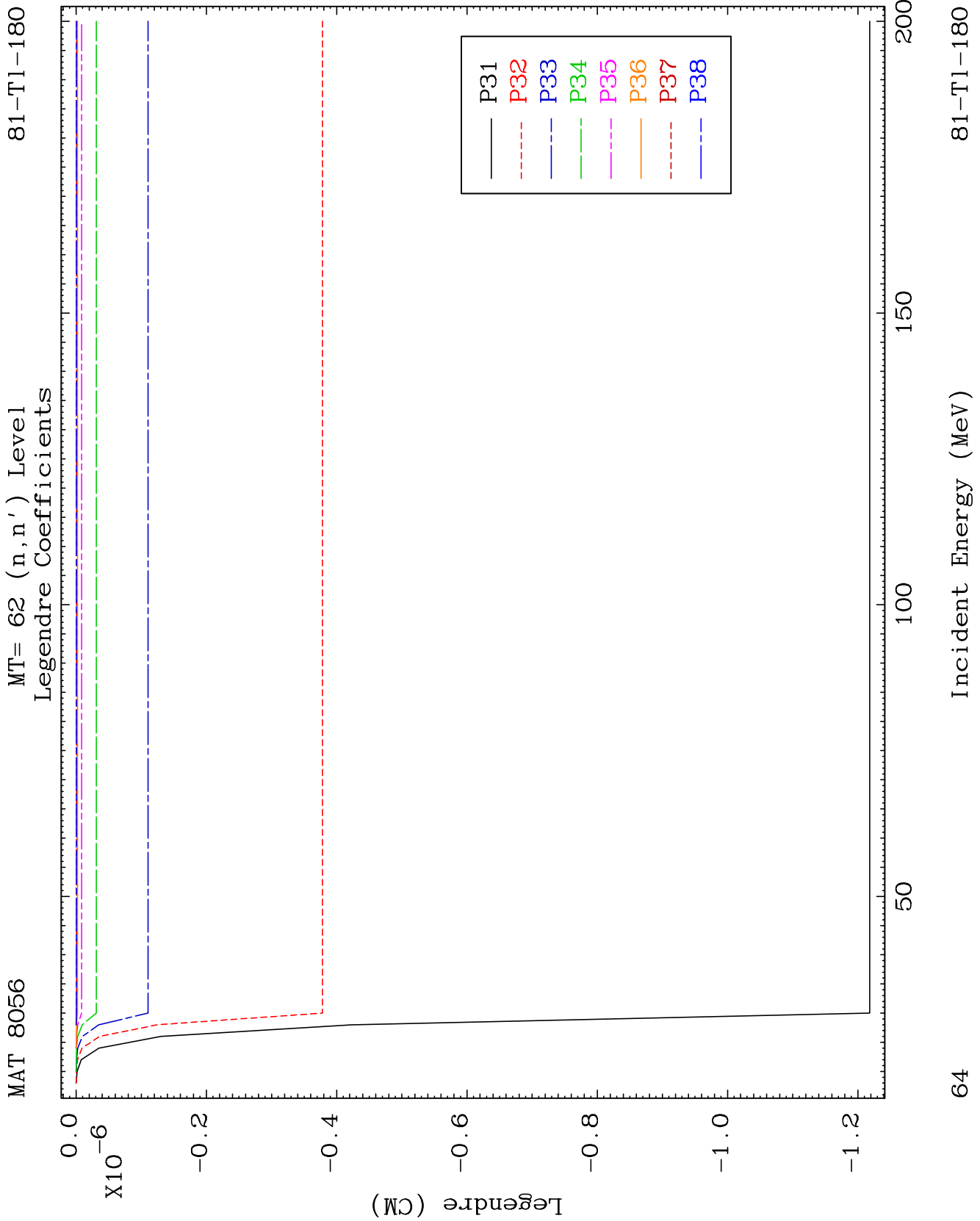


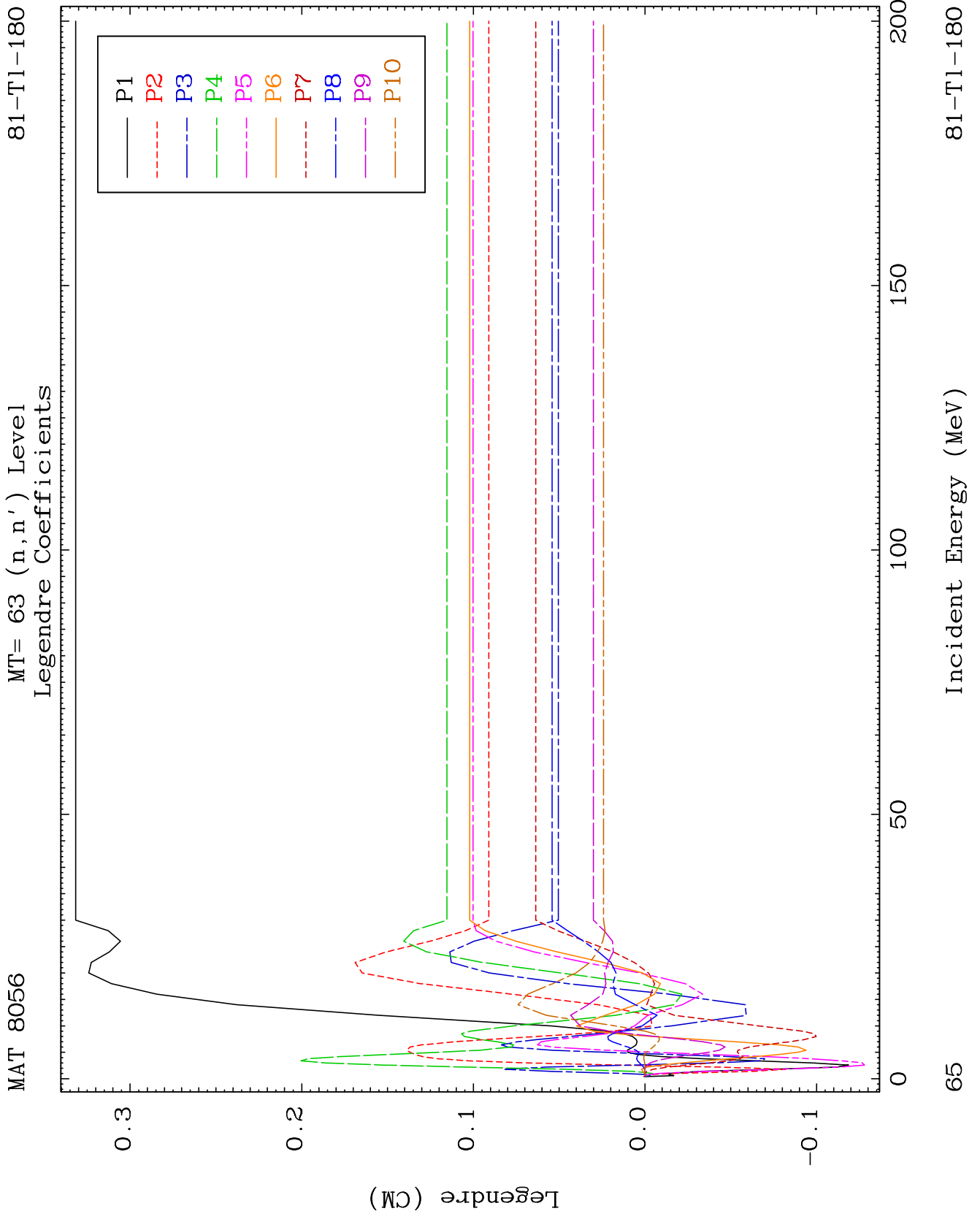


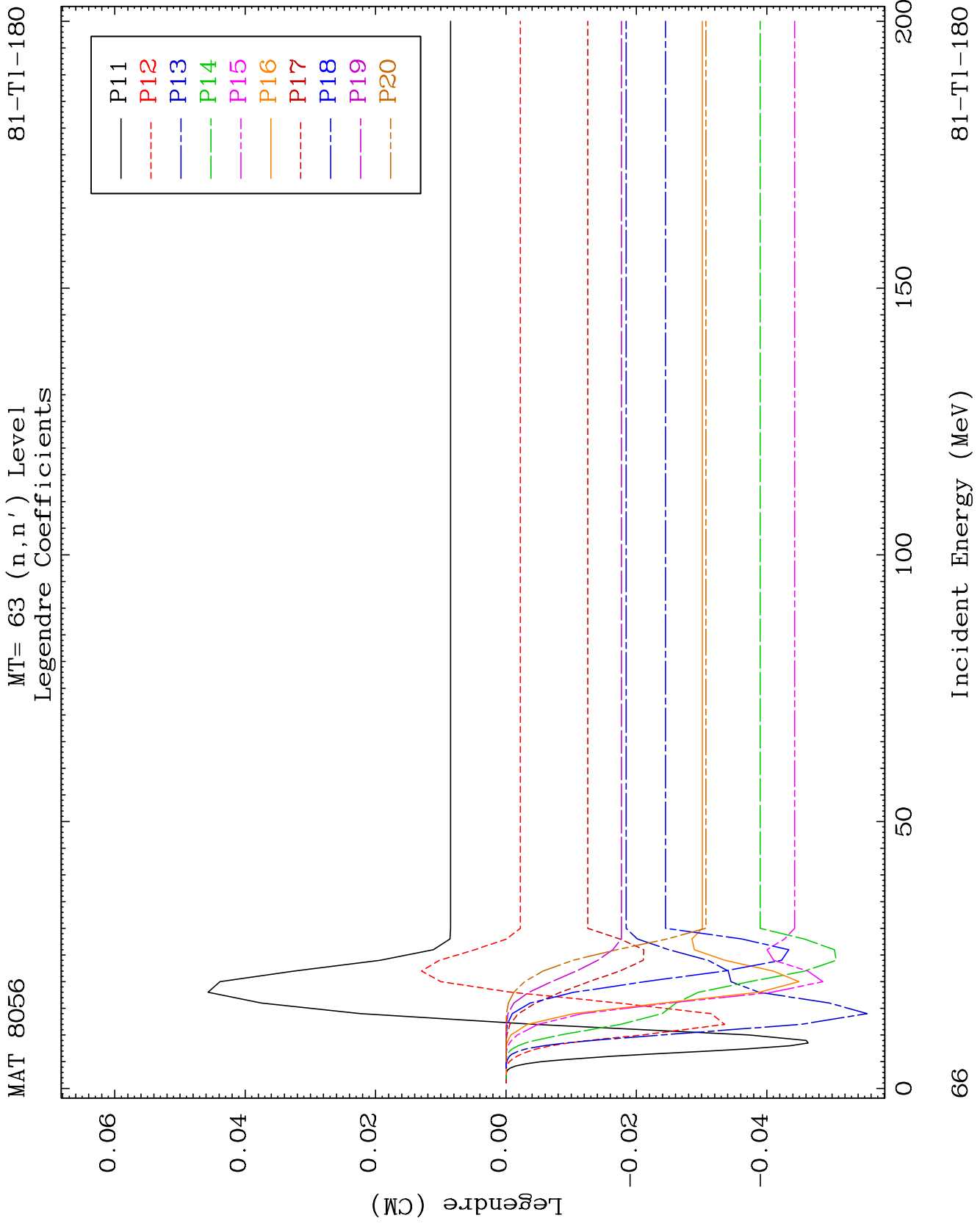


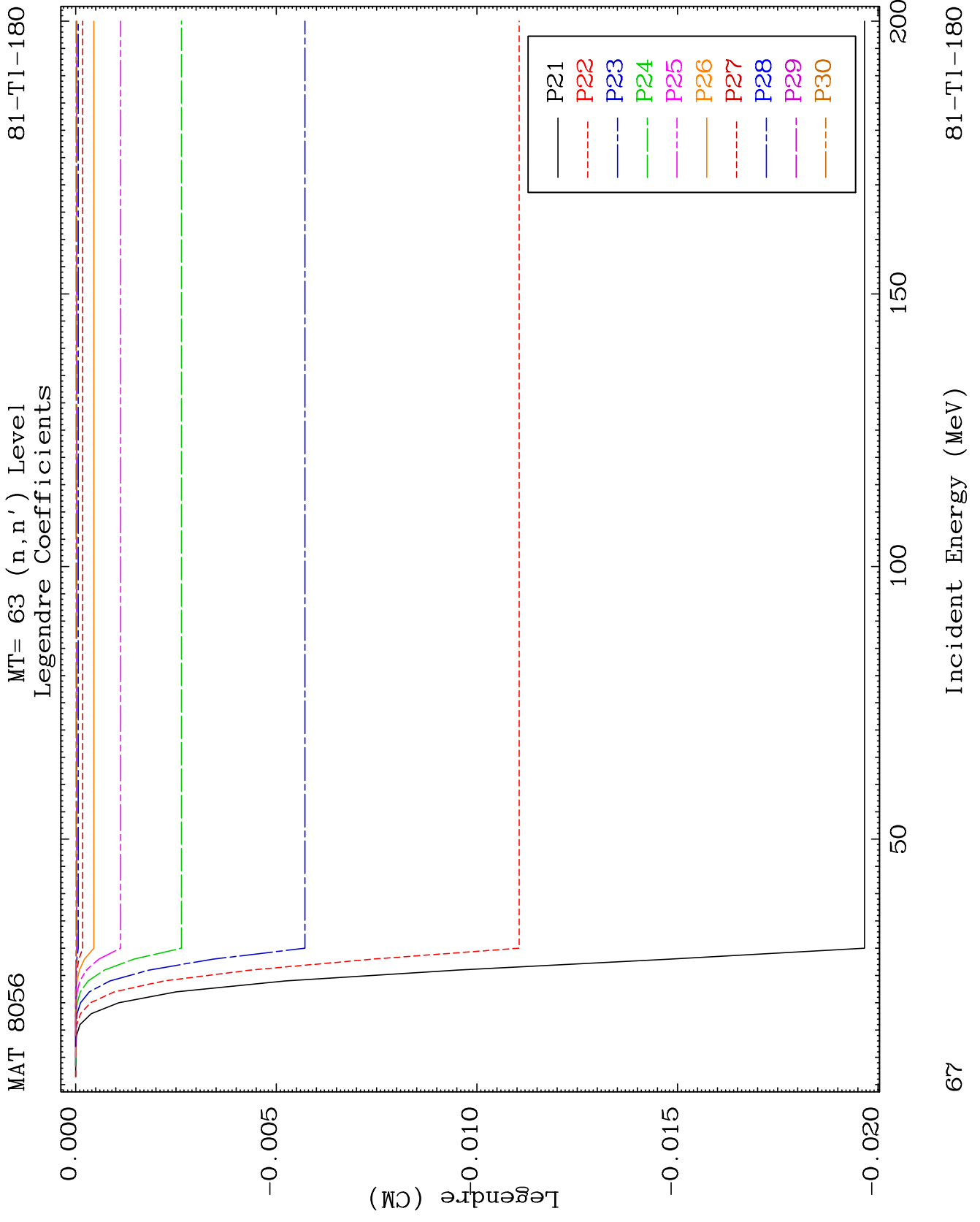


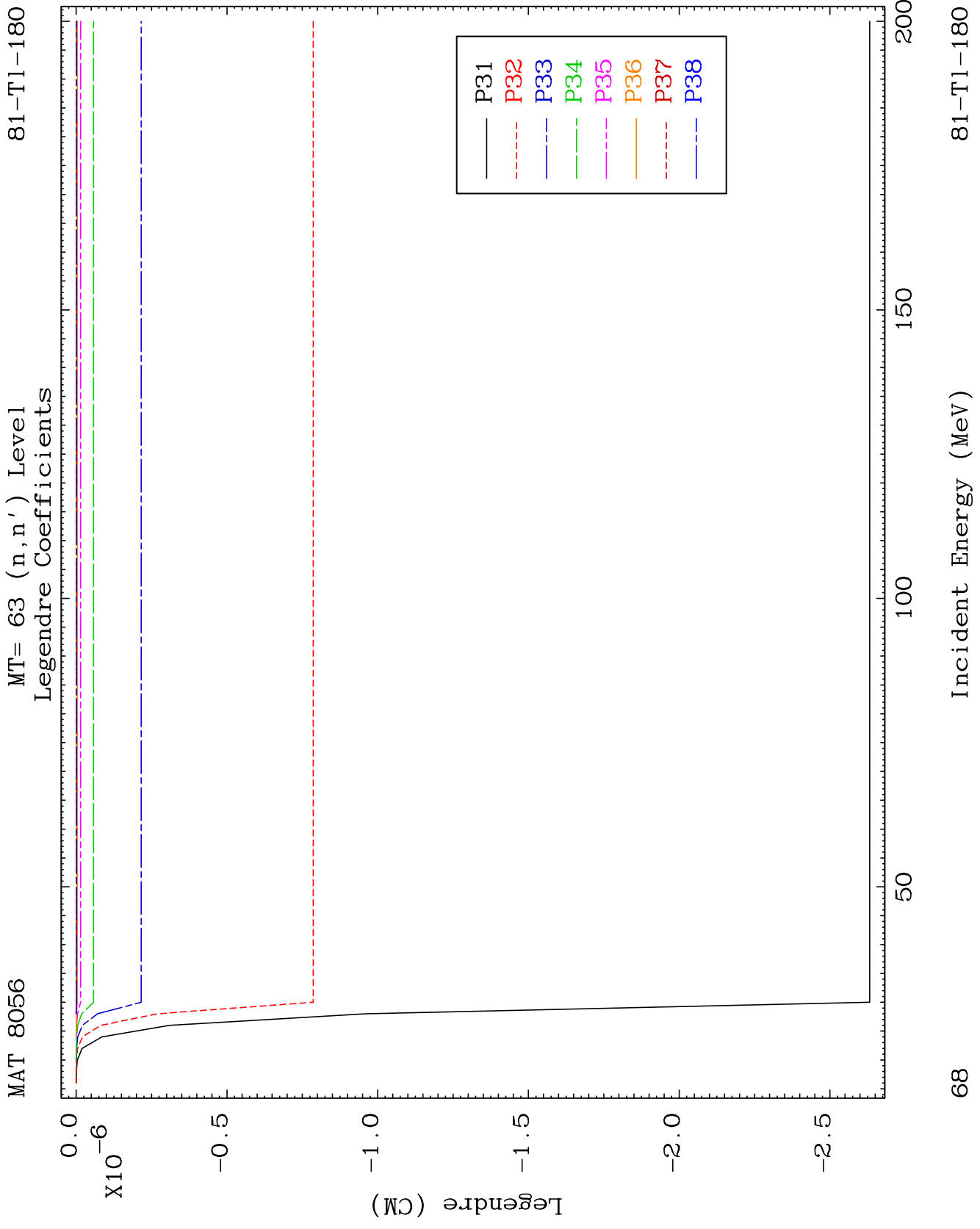








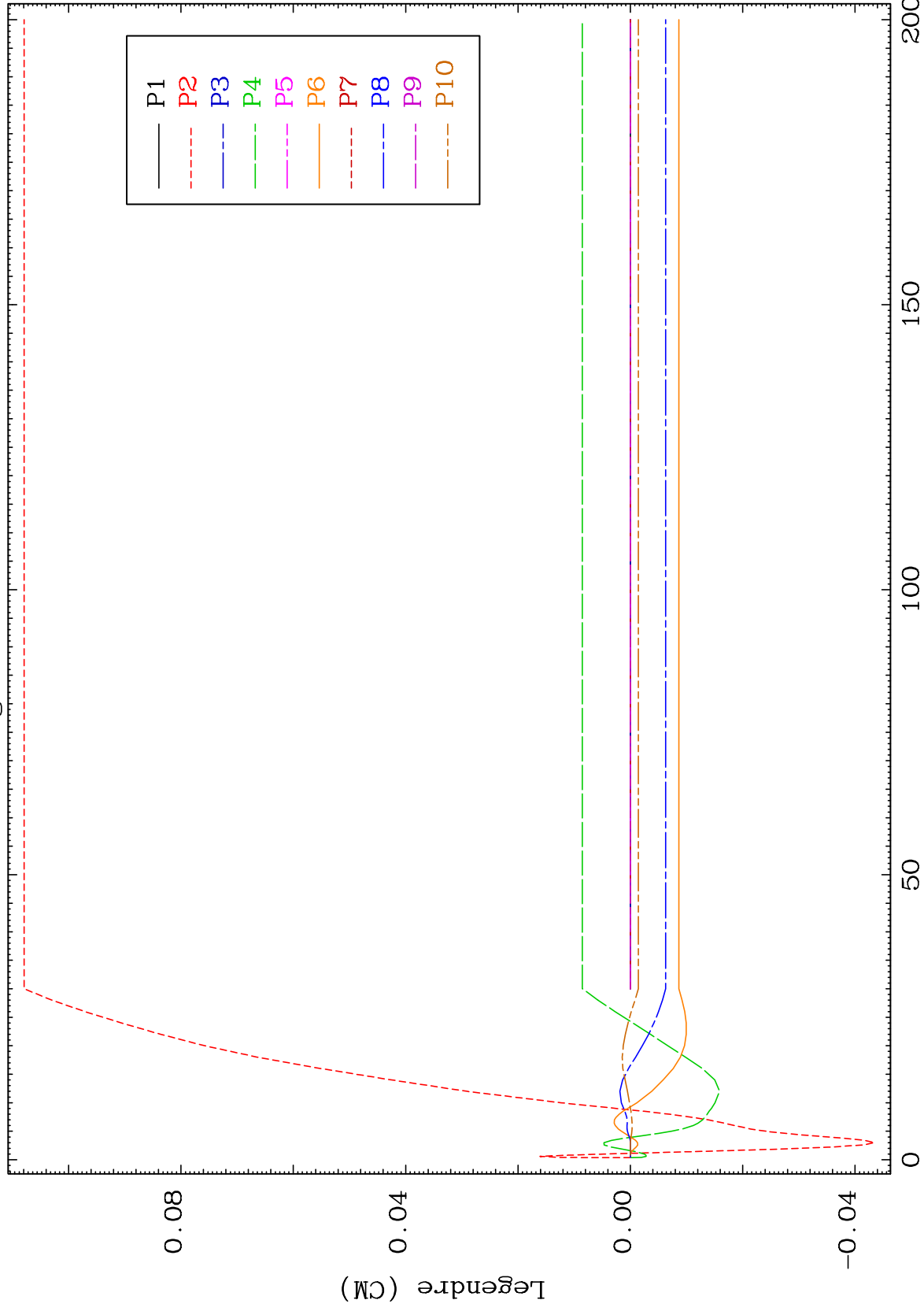




MAT 8056

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

81-T1-180



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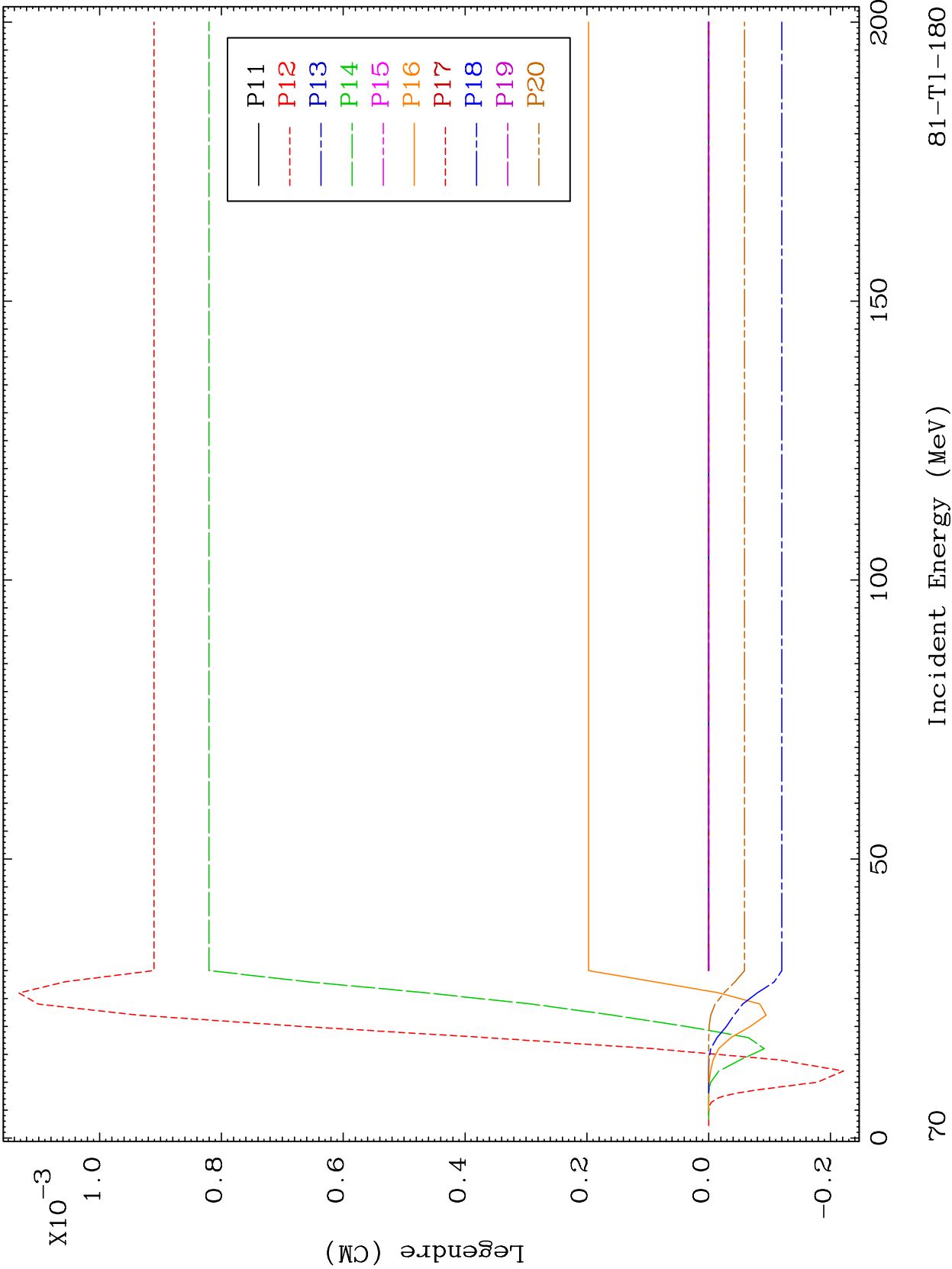
Incident Energy (MeV)

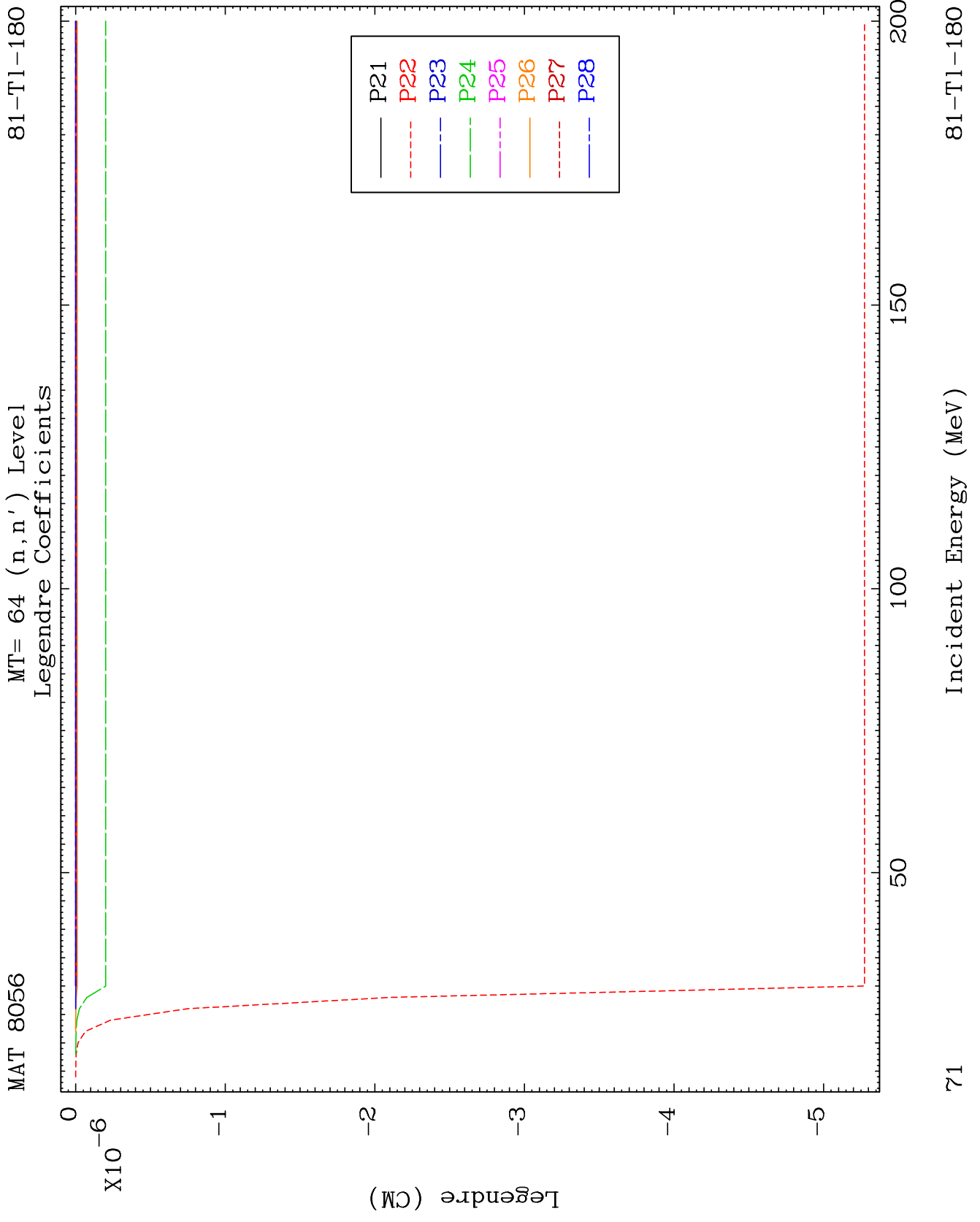
81-T1-180

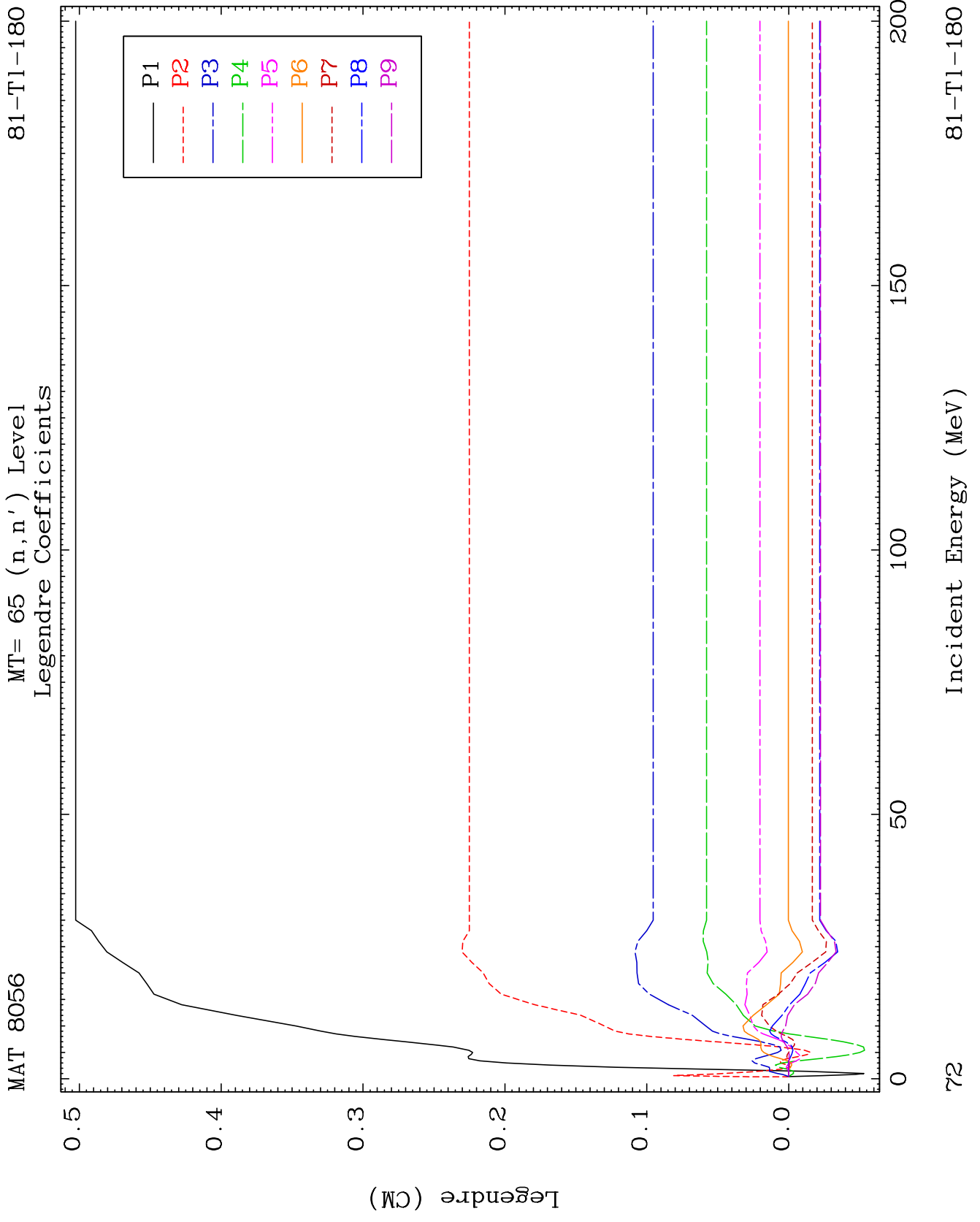
MAT 8056

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

81-Tl-180



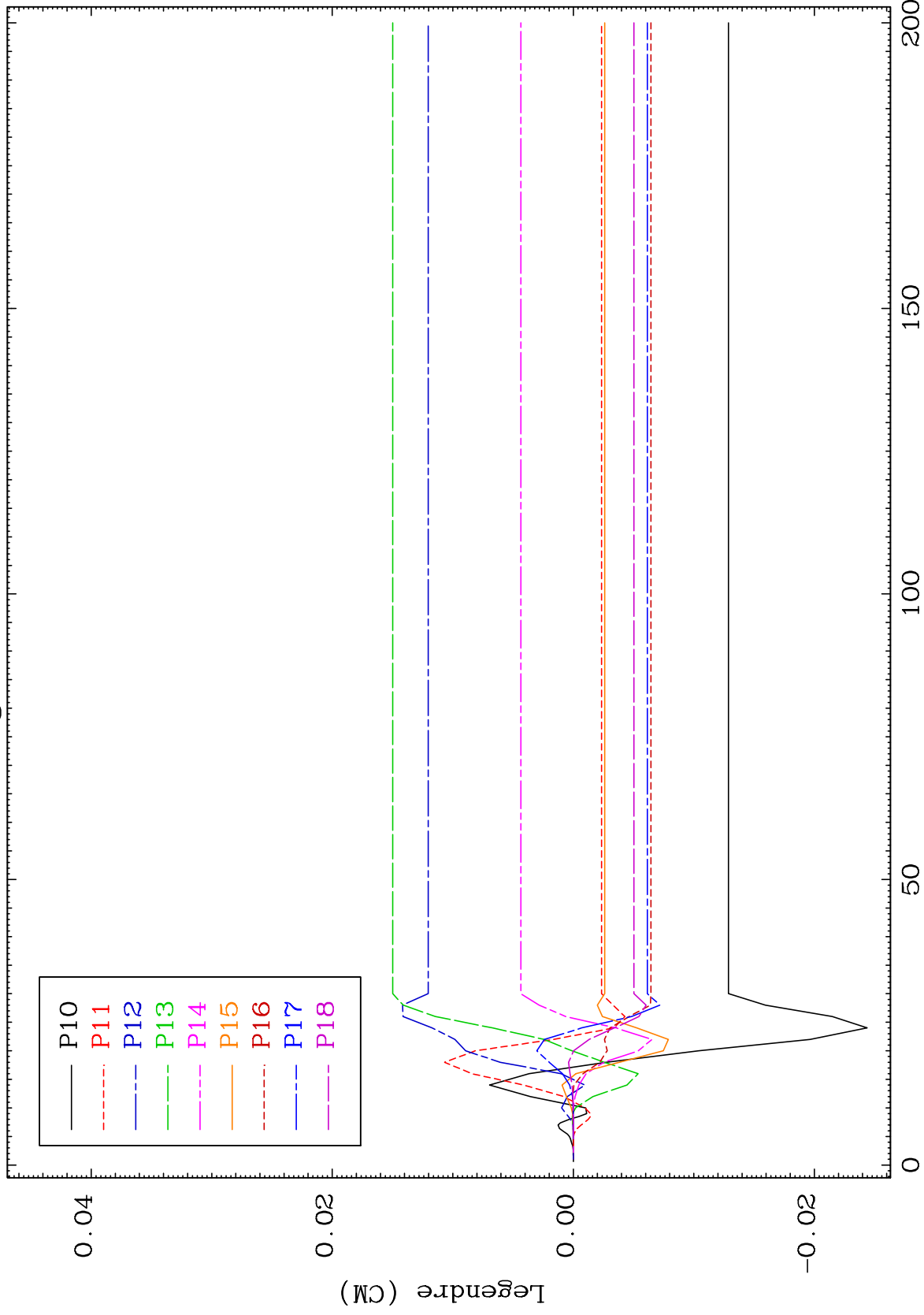




MAT 8056

81-Tl-180

MT= 65 (n,n') Level
Legendre Coefficients



73

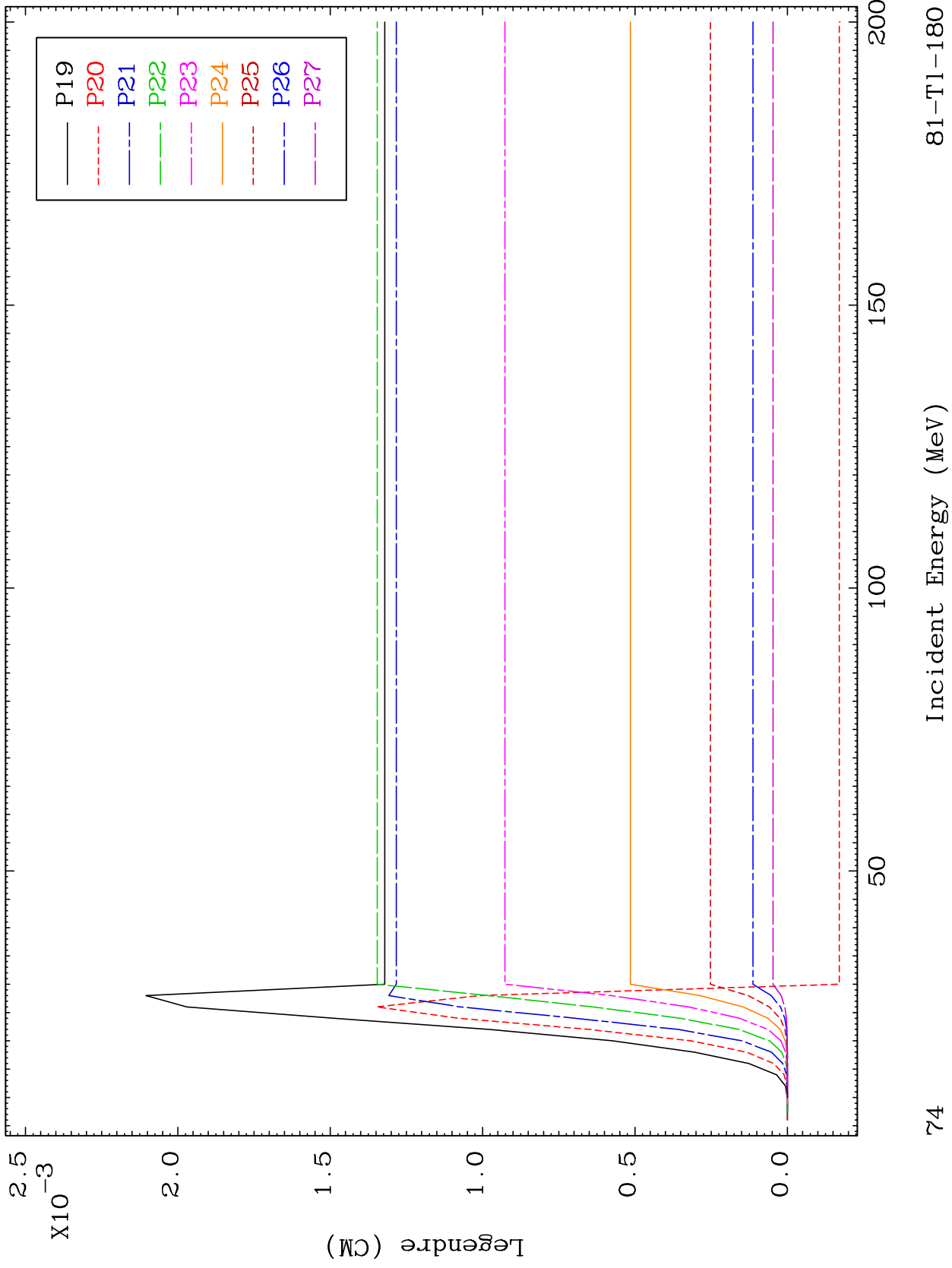
81-Tl-180

Incident Energy (MeV)

MAT 80566

MT= 65 (n,n') Level
Legendre Coefficients

81-Tl-180

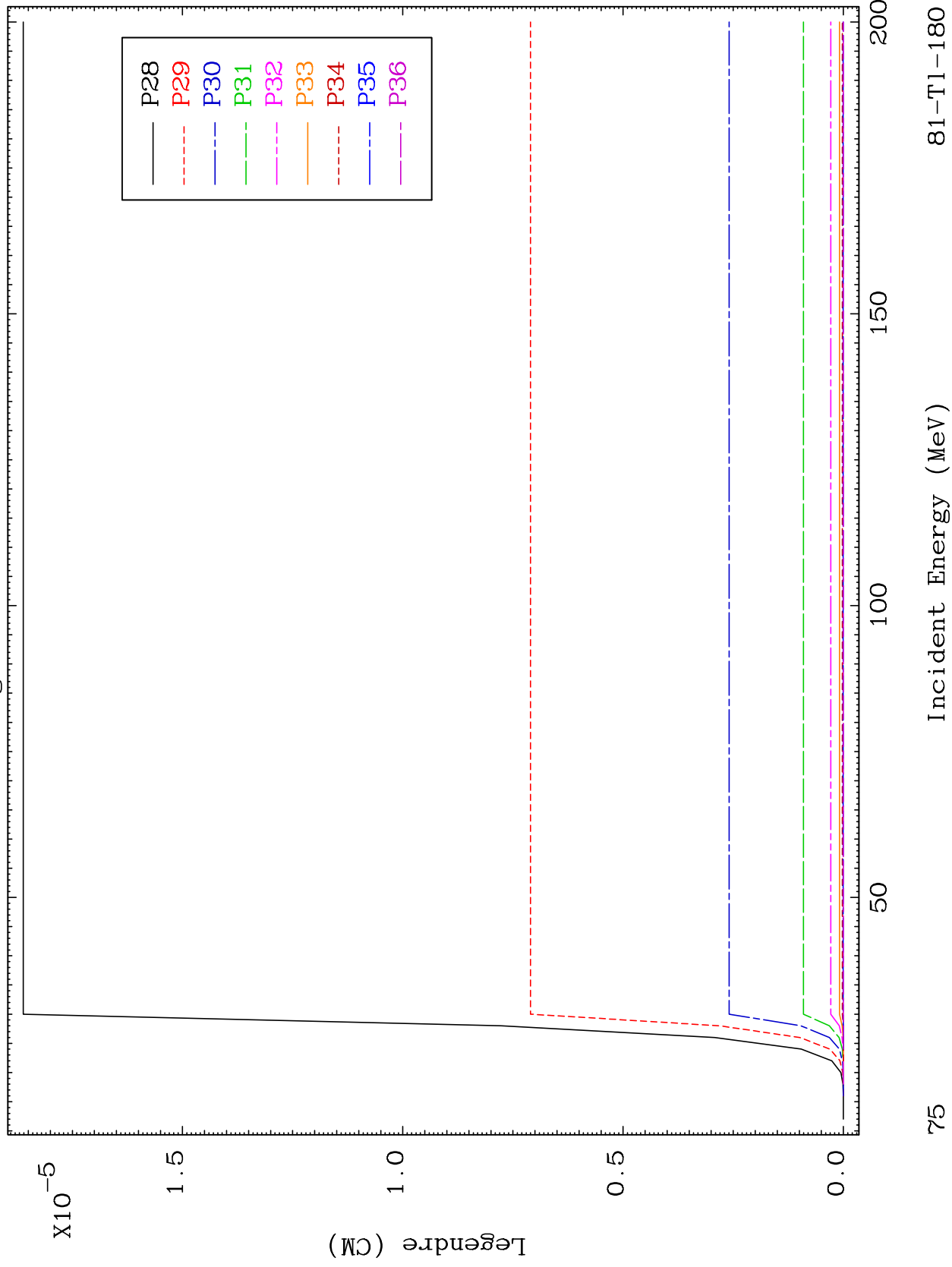


74

MAT 8056

MT= 65 (n,n') Level
Legendre Coefficients

81-Tl-180



75

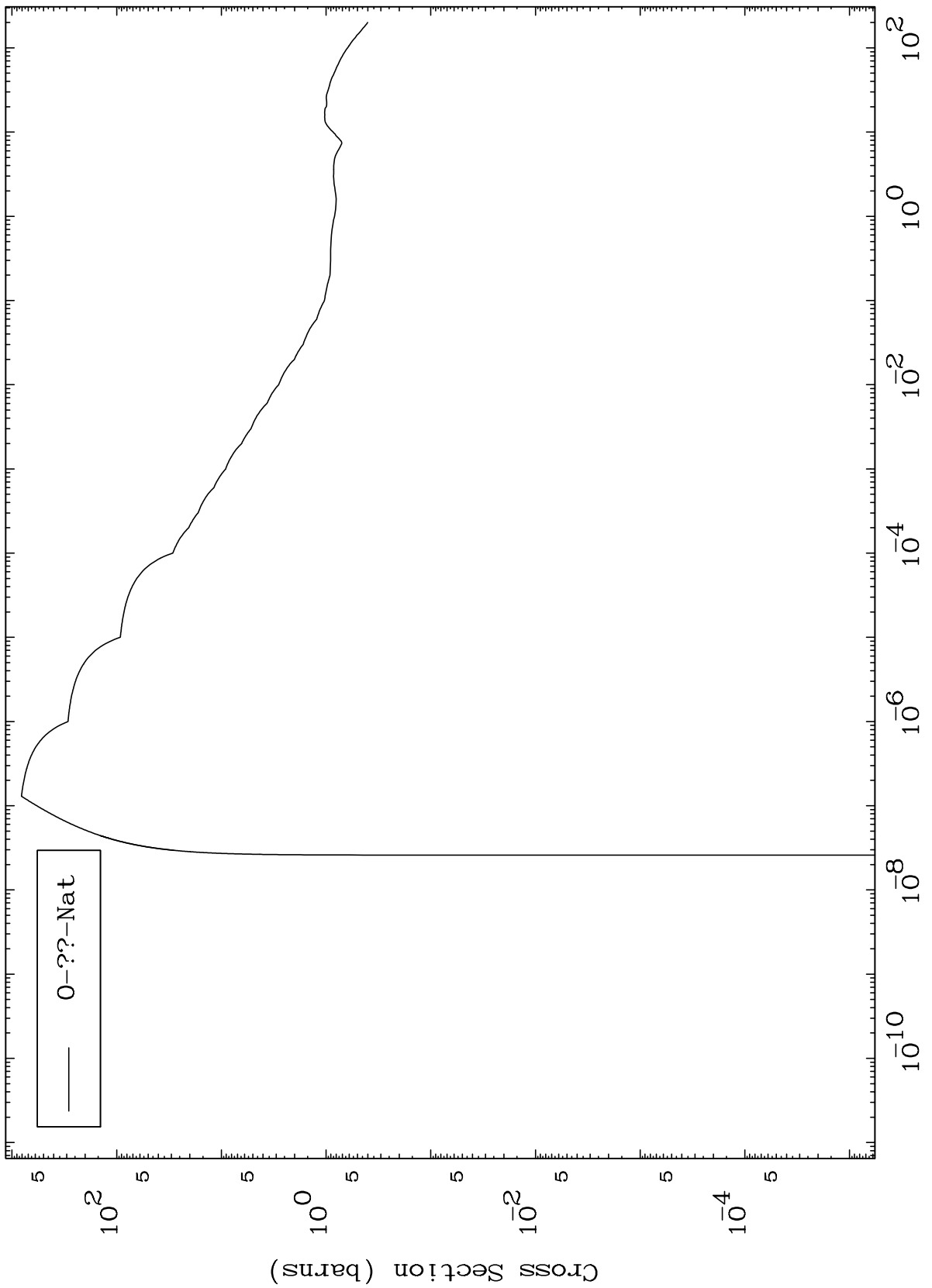
Incident Energy (MeV)

81-Tl-180

MAT 8056

81-Tl-180

Fission
Radionuclide Production Cross Section



76

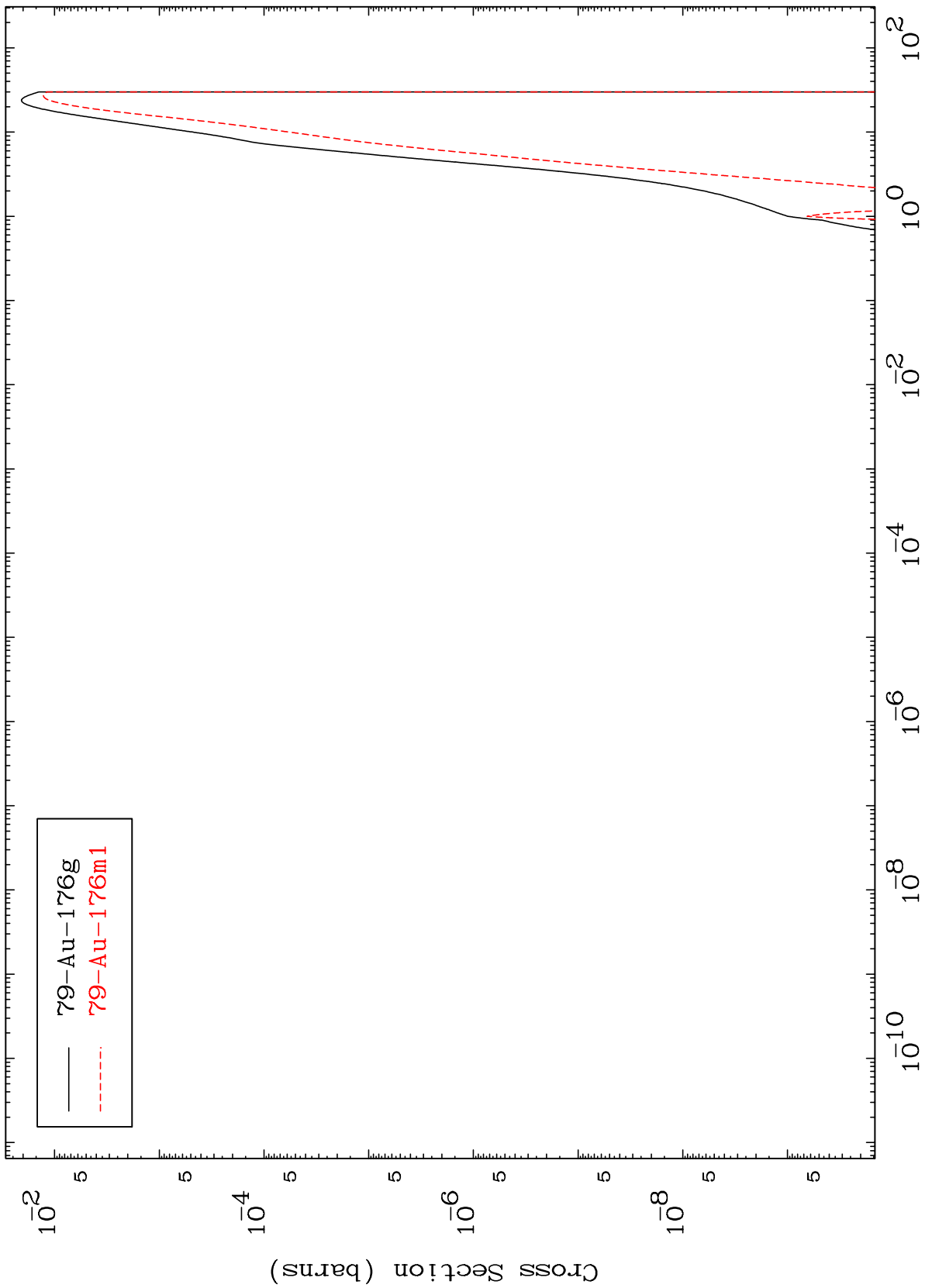
81-Tl-180

MAT 8056

$(n, n') \alpha$

81-Tl-180

Radionuclide Production Cross Section



77

Incident Energy (MeV)

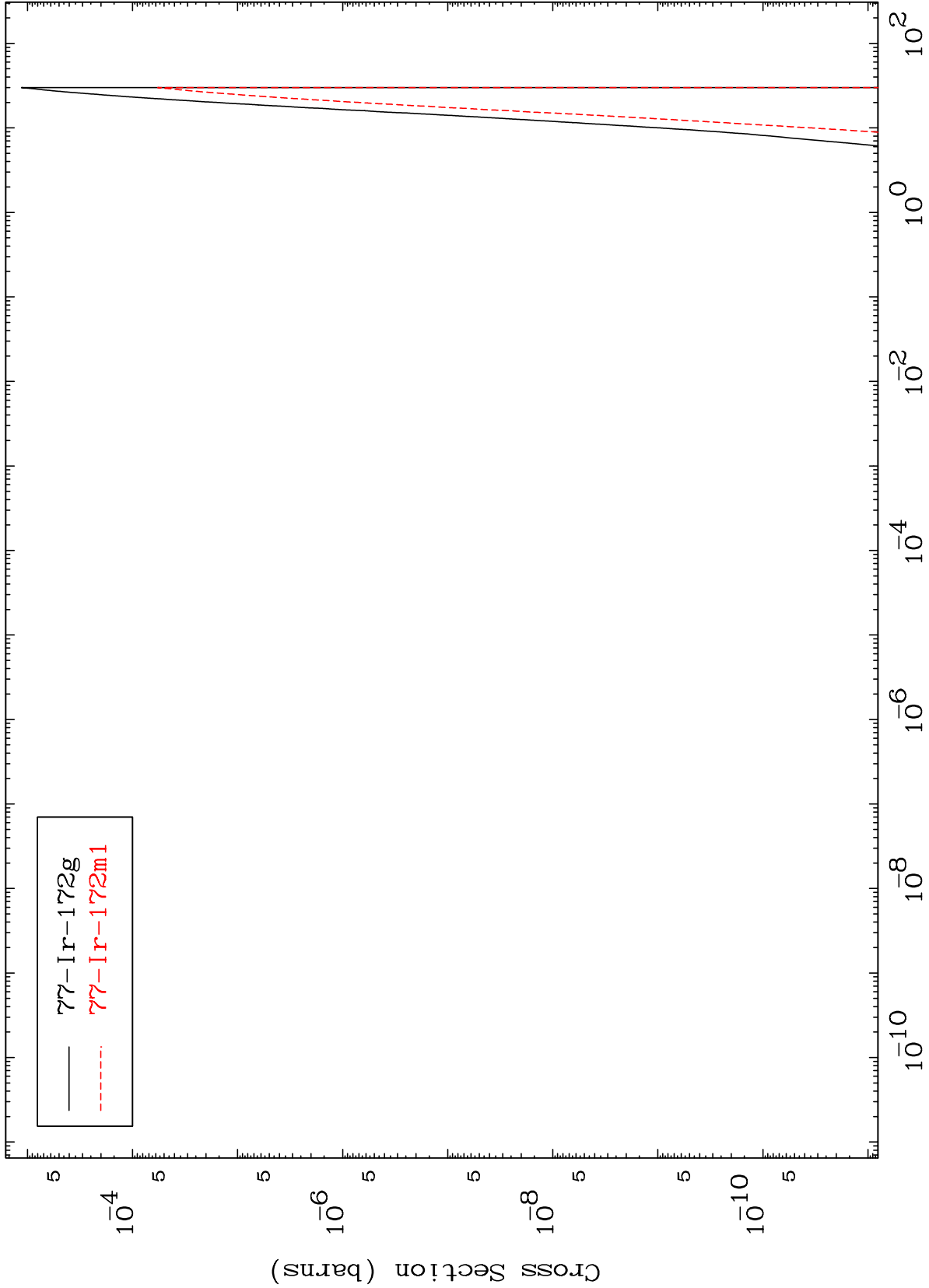
81-Tl-180

MAT 8056

(n,n') 2α

81-Tl-180

Radionuclide Production Cross Section



— $^{77}\text{Ir}-172\text{g}$
- - - $^{77}\text{Ir}-172\text{m1}$

78

Incident Energy (MeV)

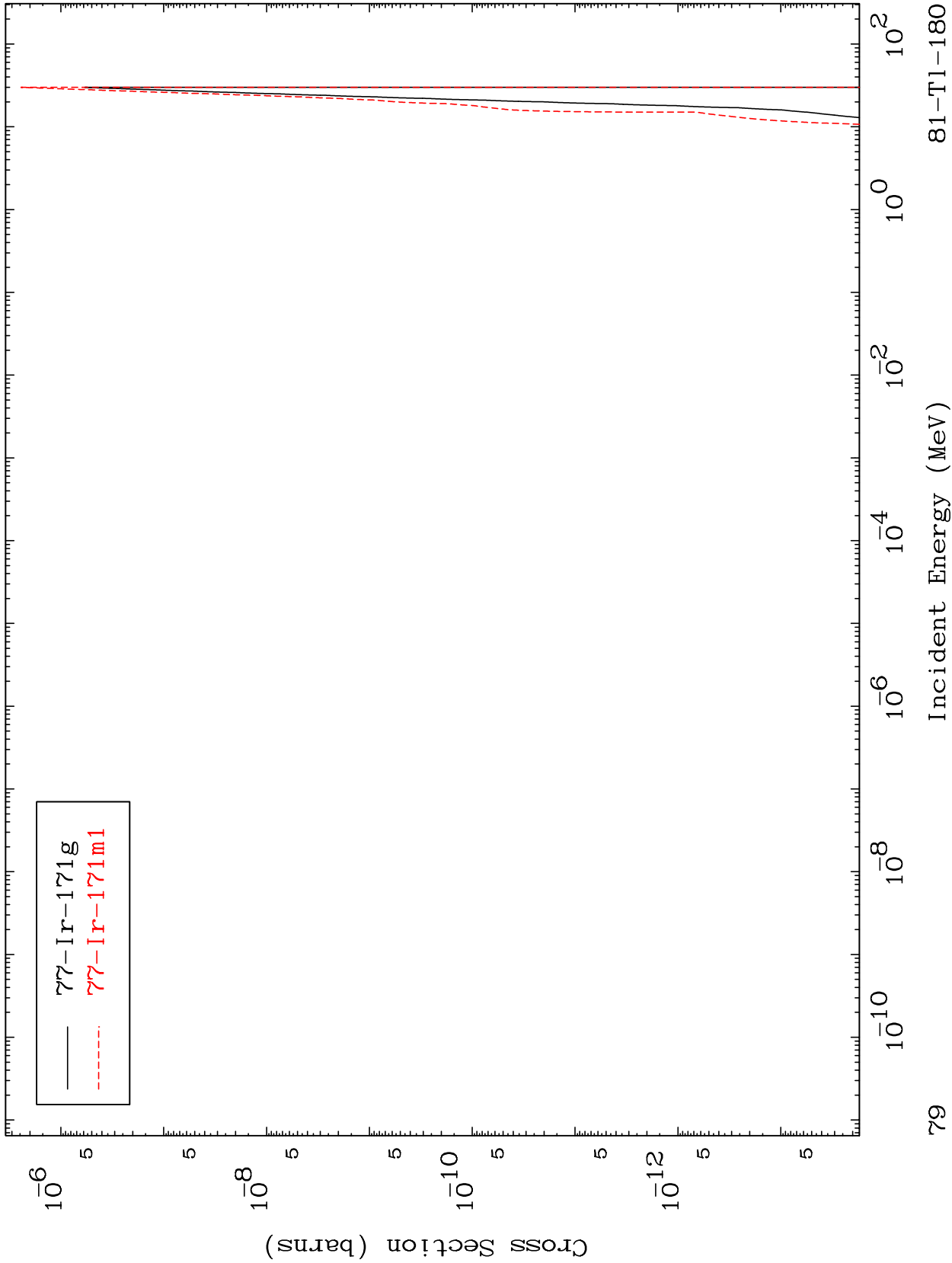
81-Tl-180

MAT 8056

(n,2n) 2α

81-Tl-180

Radionuclide Production Cross Section



79

Incident Energy (MeV)

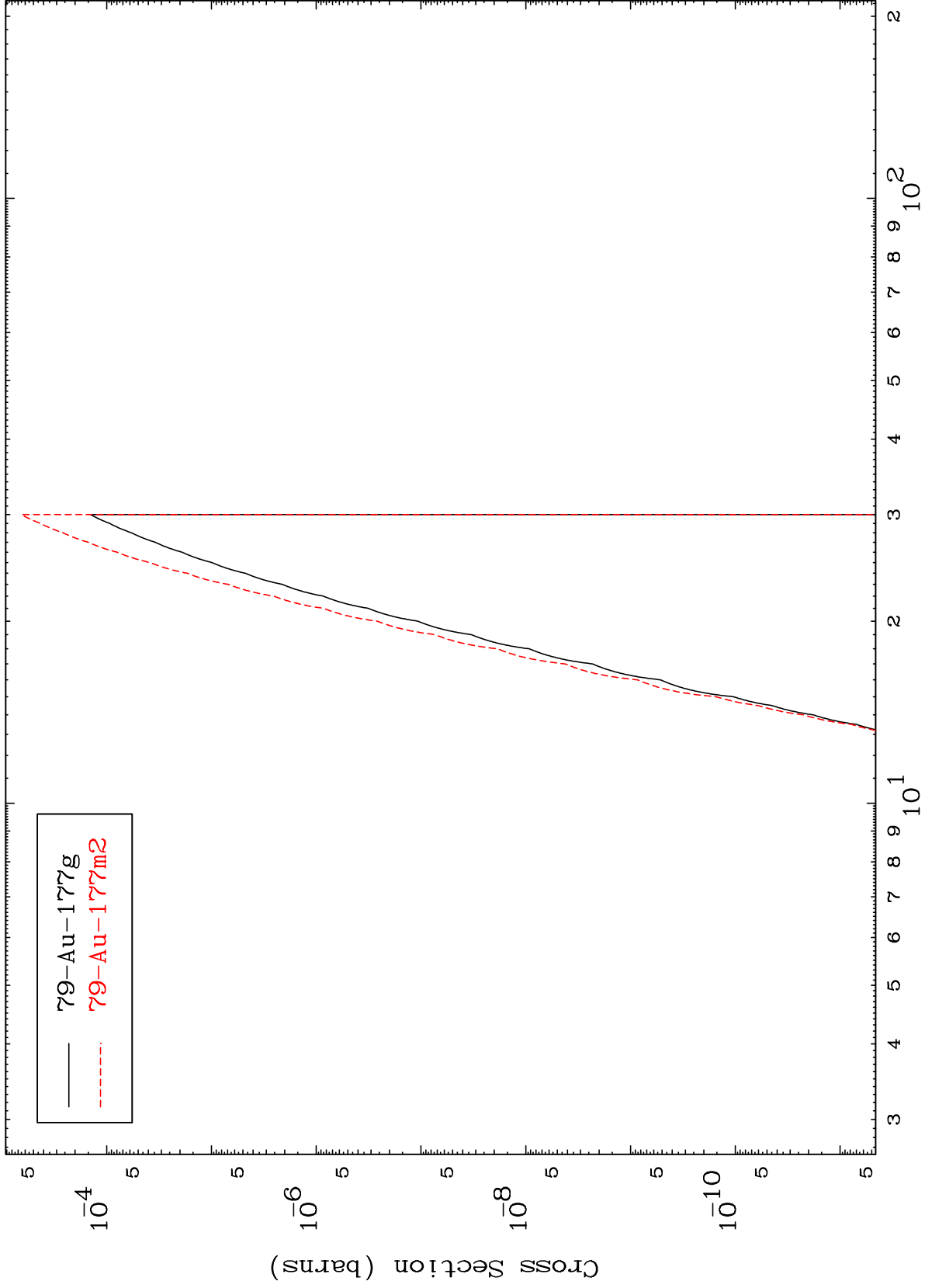
81-Tl-180

MAT 8056

(n,n') He-3

81-Tl-180

Radionuclide Production Cross Section



80

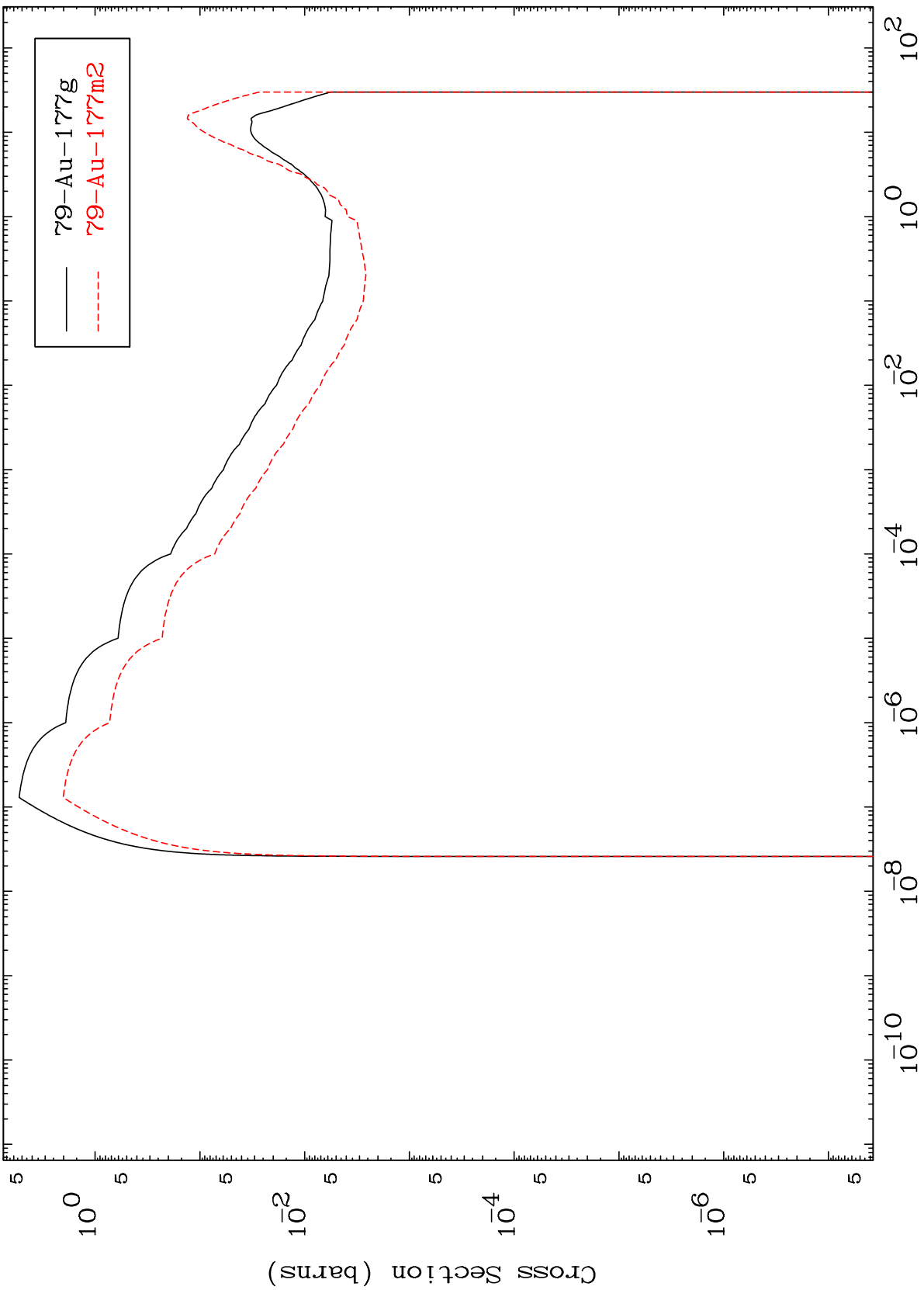
Incident Energy (MeV)

81-Tl-180

MAT 8056

81-Tl-180

(n, α)
Radionuclide Production Cross Section



— $^{79}\text{Au-177g}$
- - - $^{79}\text{Au-177m2}$

81

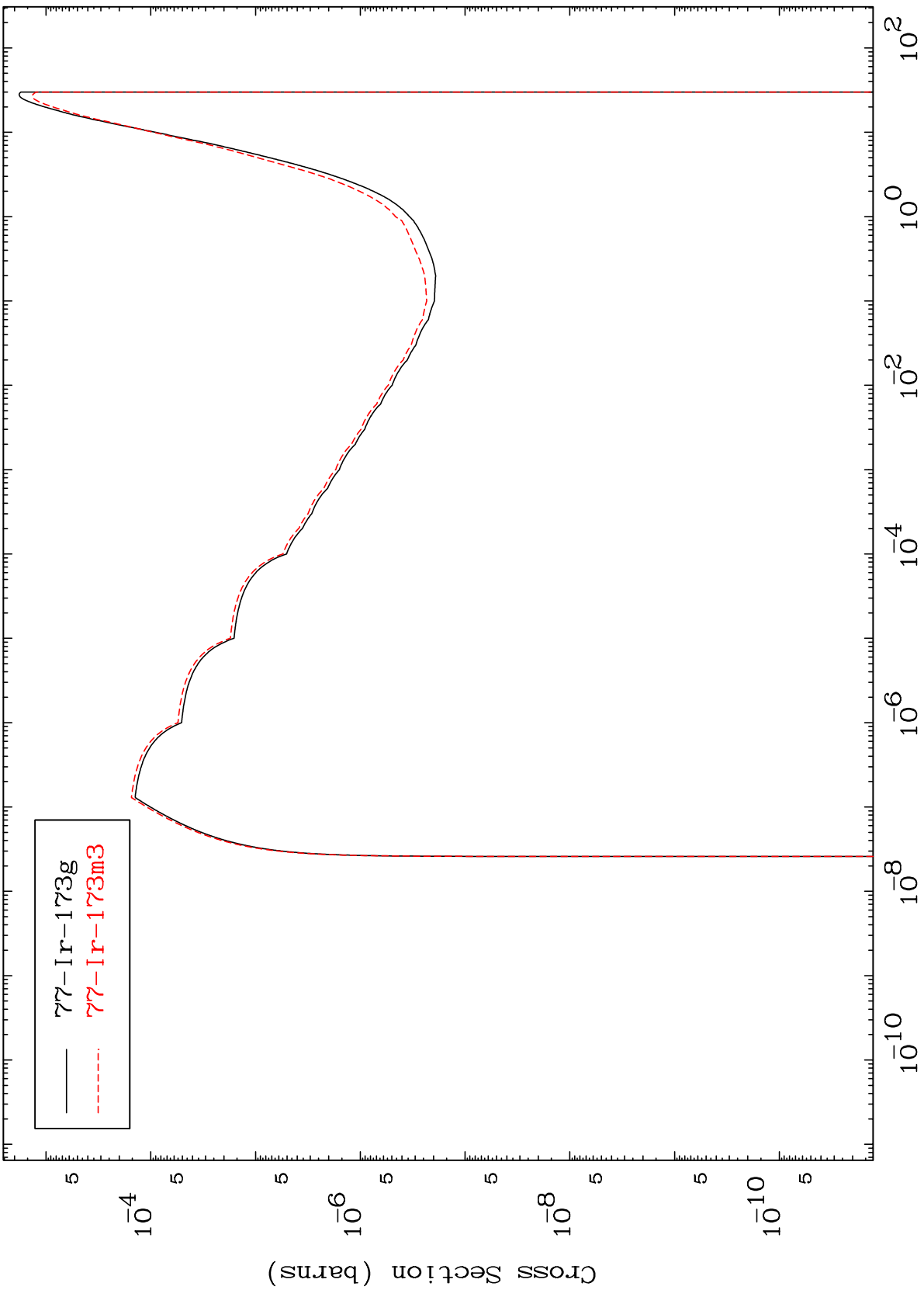
81-Tl-180

Incident Energy (MeV)

MAT 8056

81-Tl-180

Radionuclide Production Cross Section
(n,2α)



82

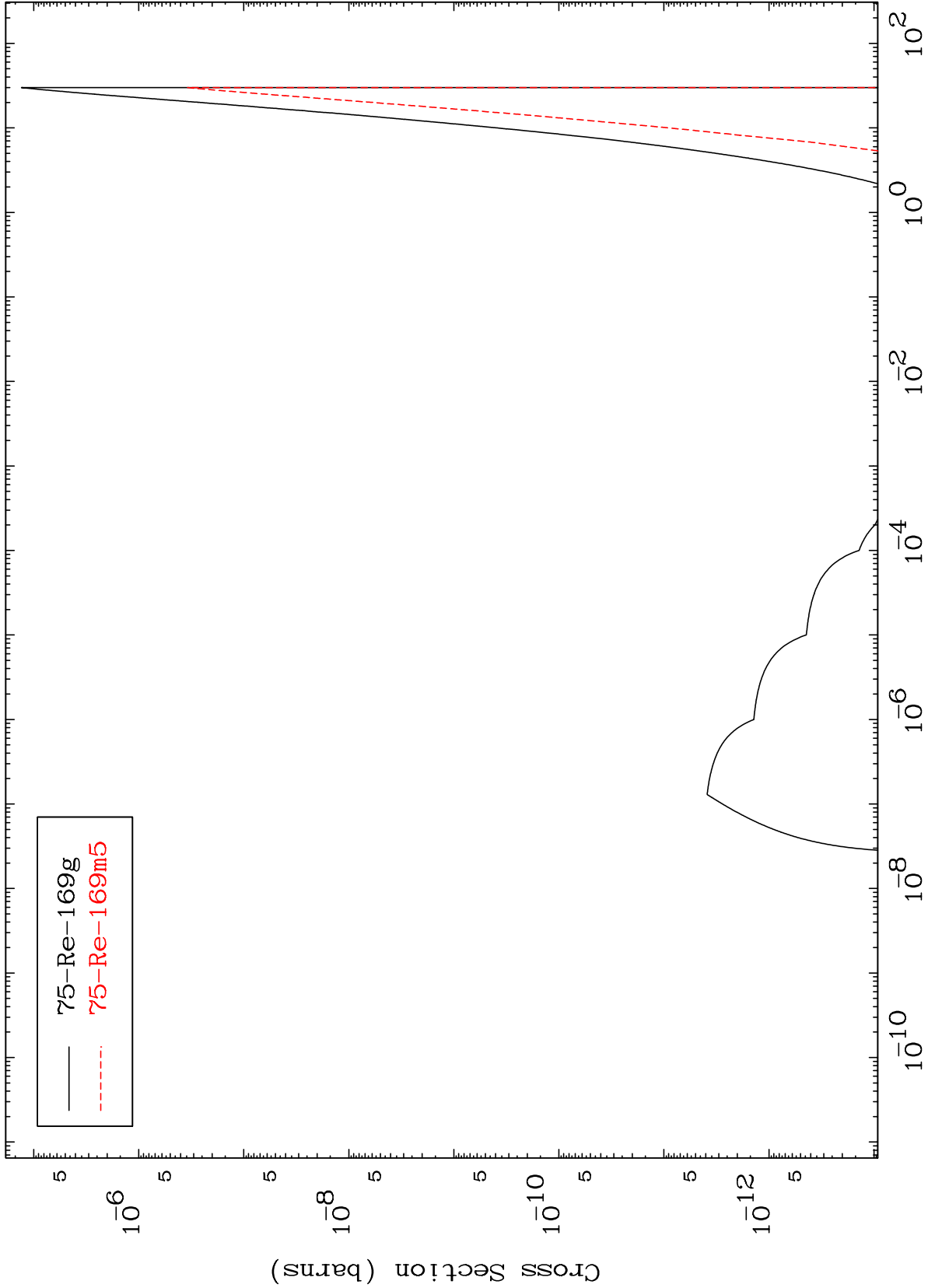
81-Tl-180

MAT 8056

(n, 3α)

81-Tl-180

Radionuclide Production Cross Section

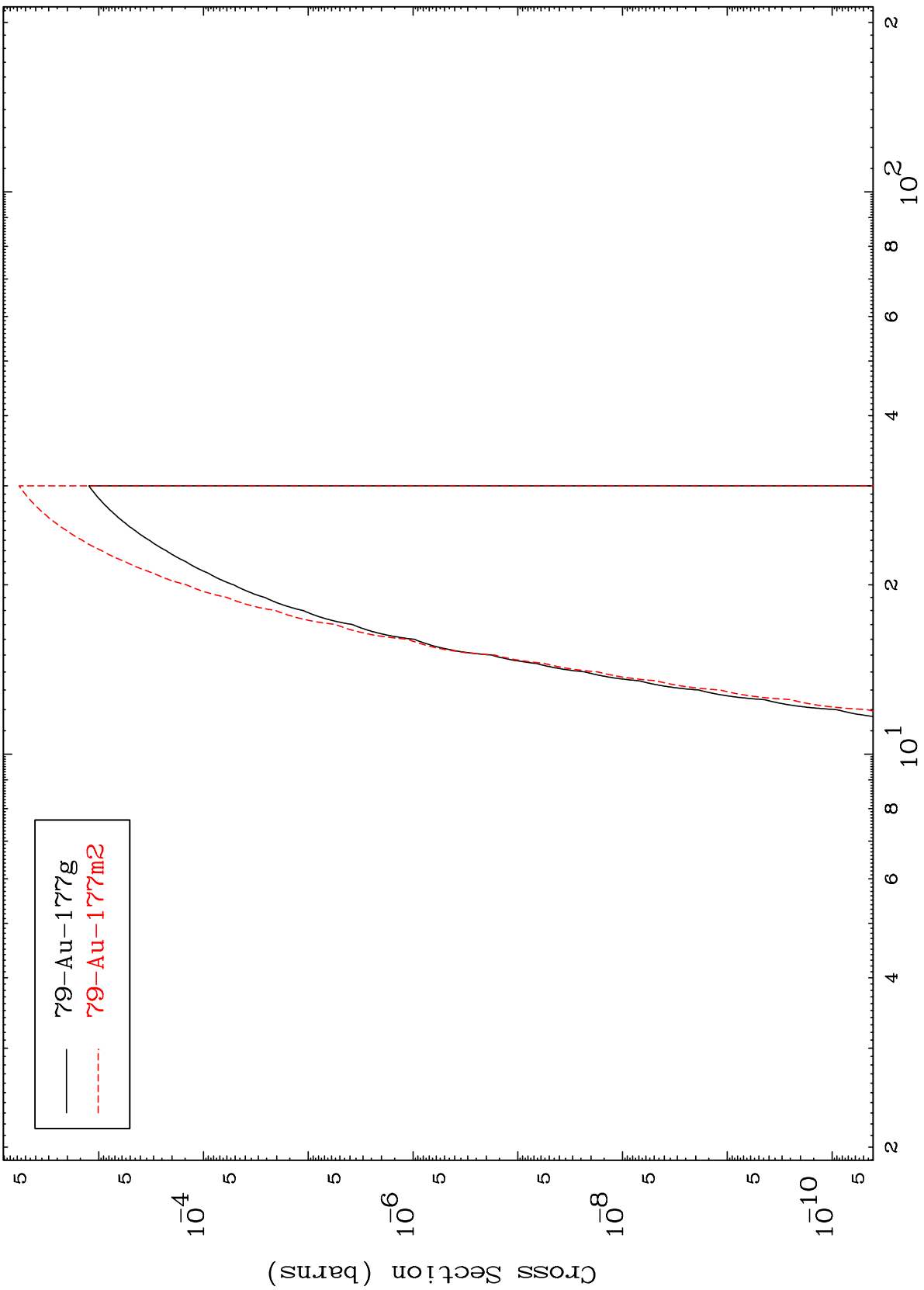


MAT 8056

(n,p) t

81-Tl-180

Radionuclide Production Cross Section



84

Incident Energy (MeV)

81-Tl-180