

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

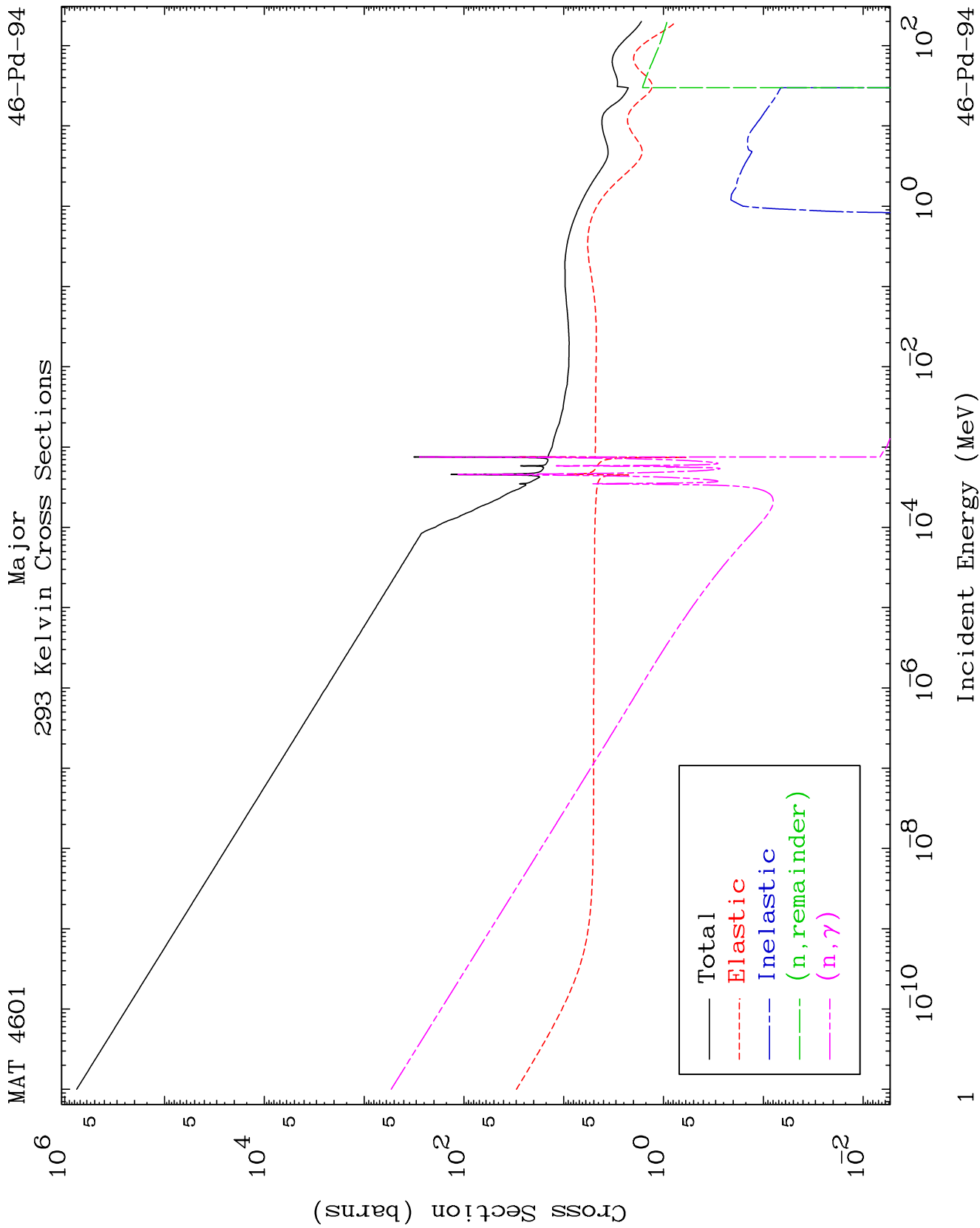
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

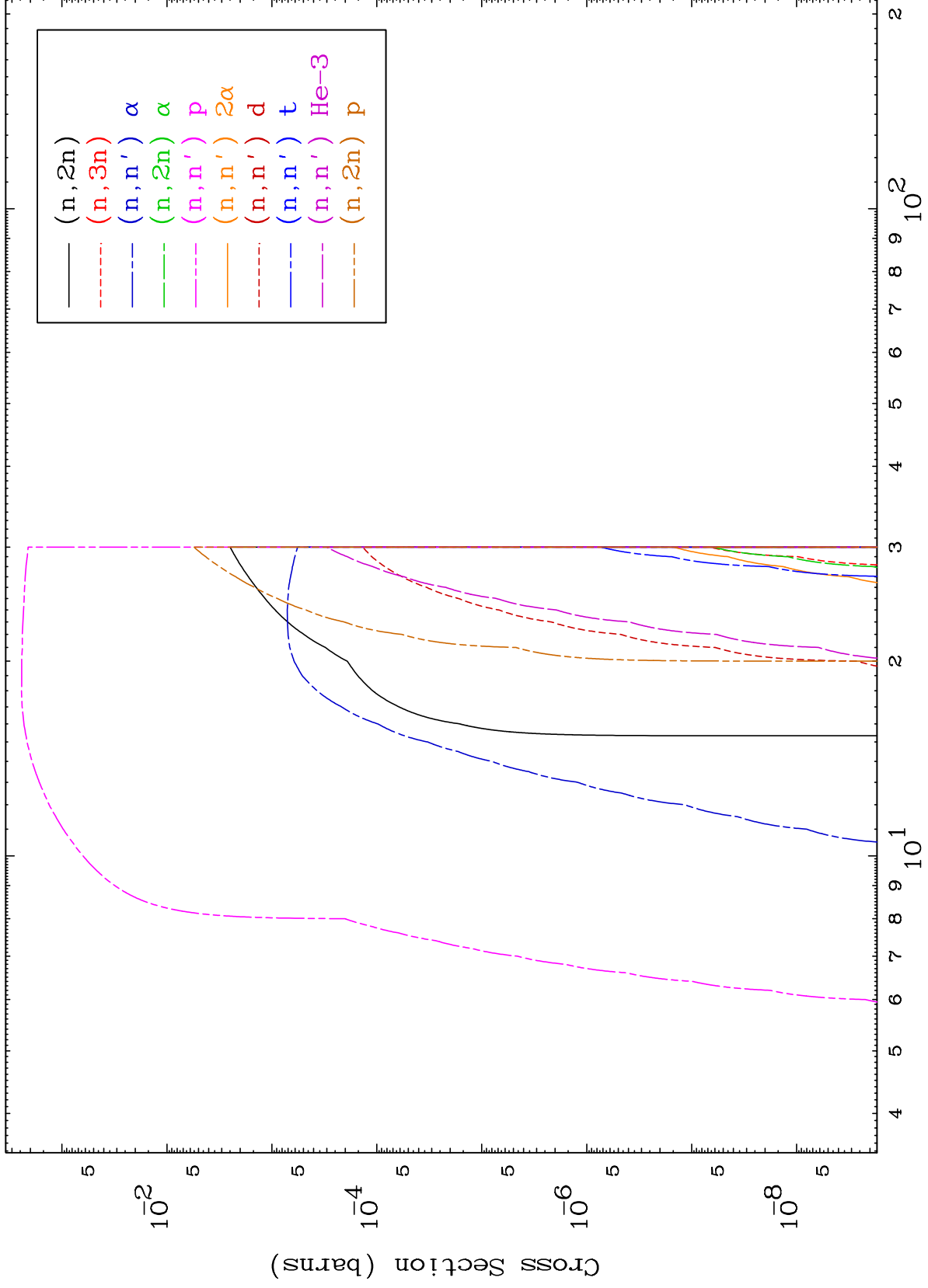
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

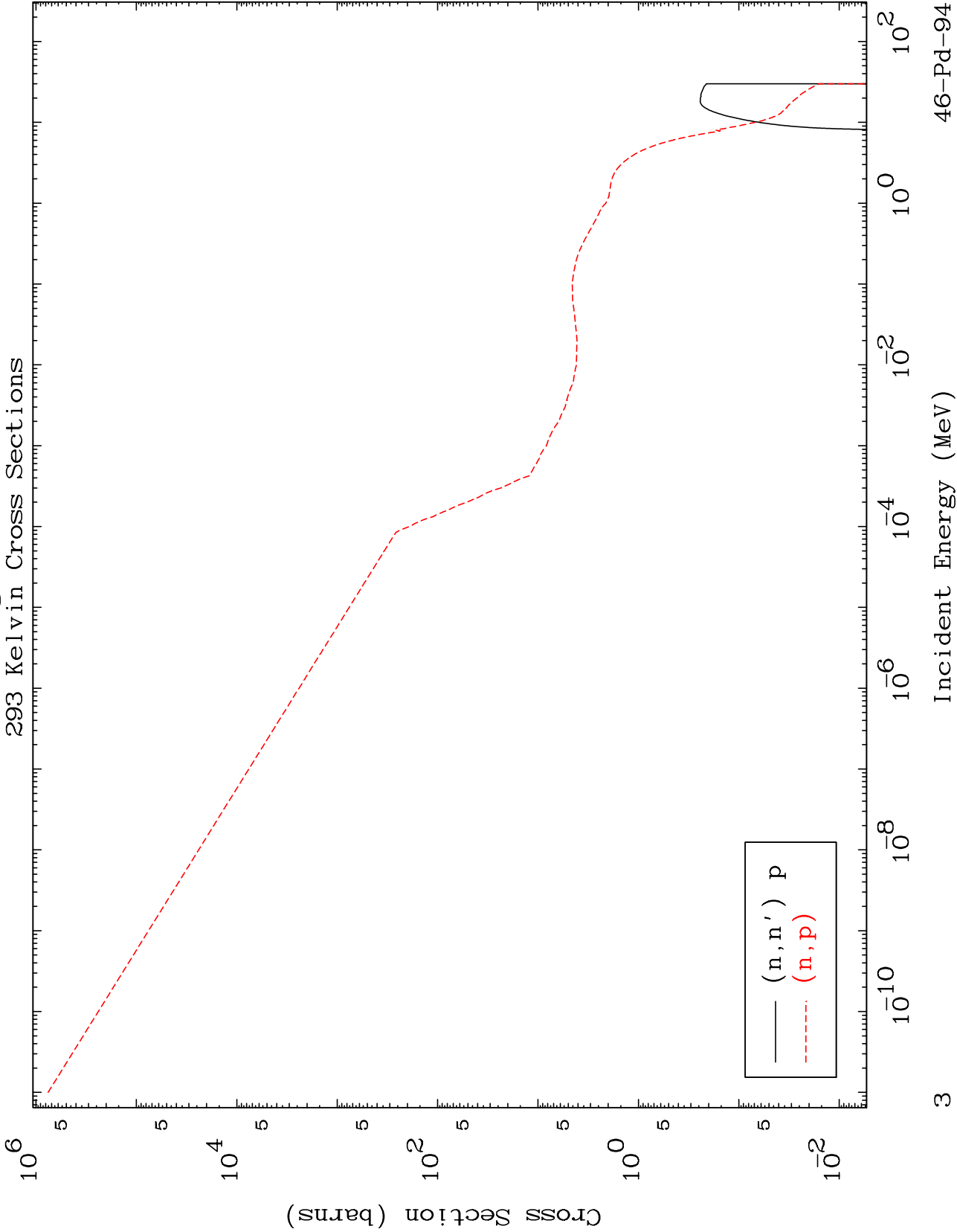




MAT 4601

Charged Particle
293 Kelvin Cross Sections

46-Pd-94



46-Pd-94

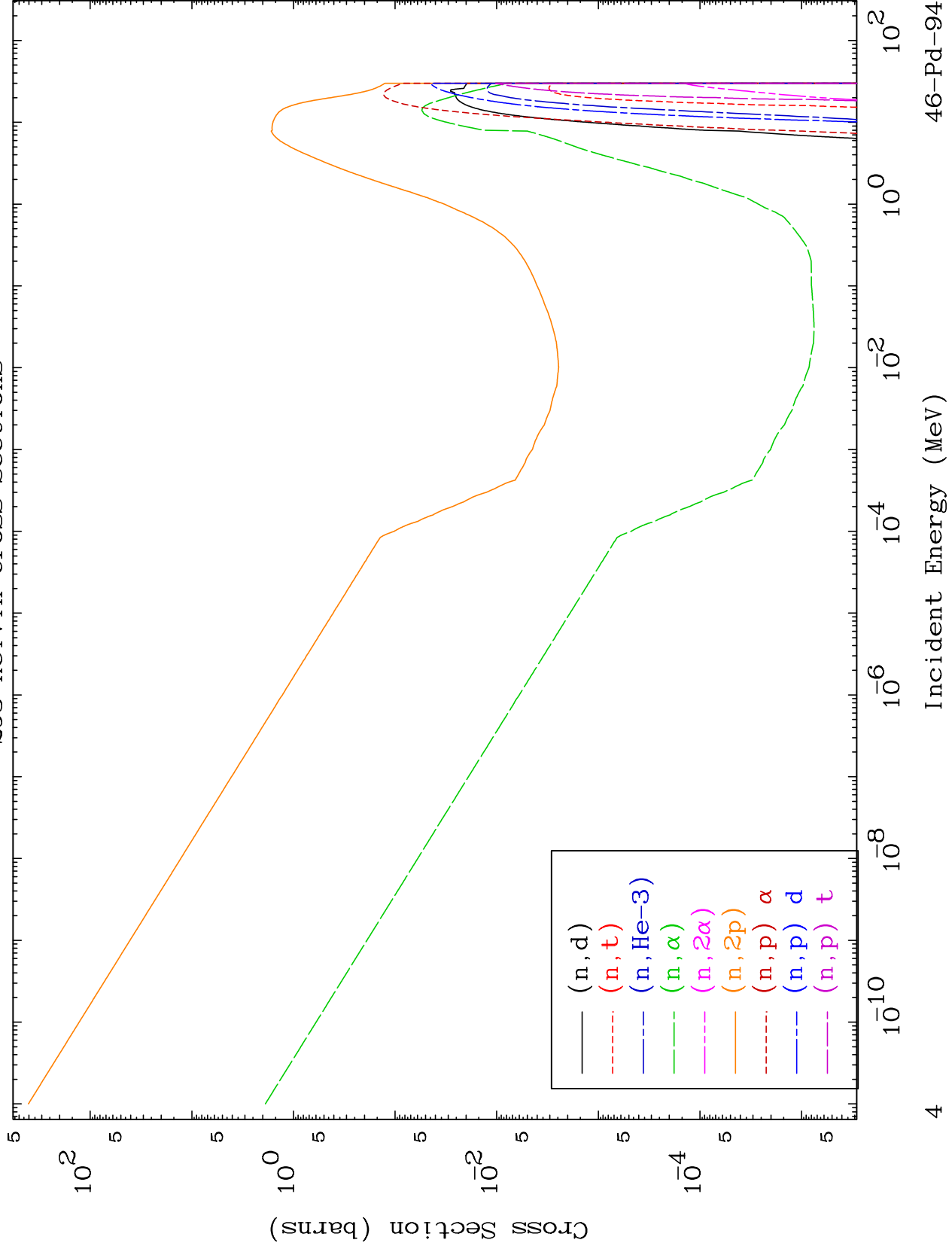
Incident Energy (MeV)

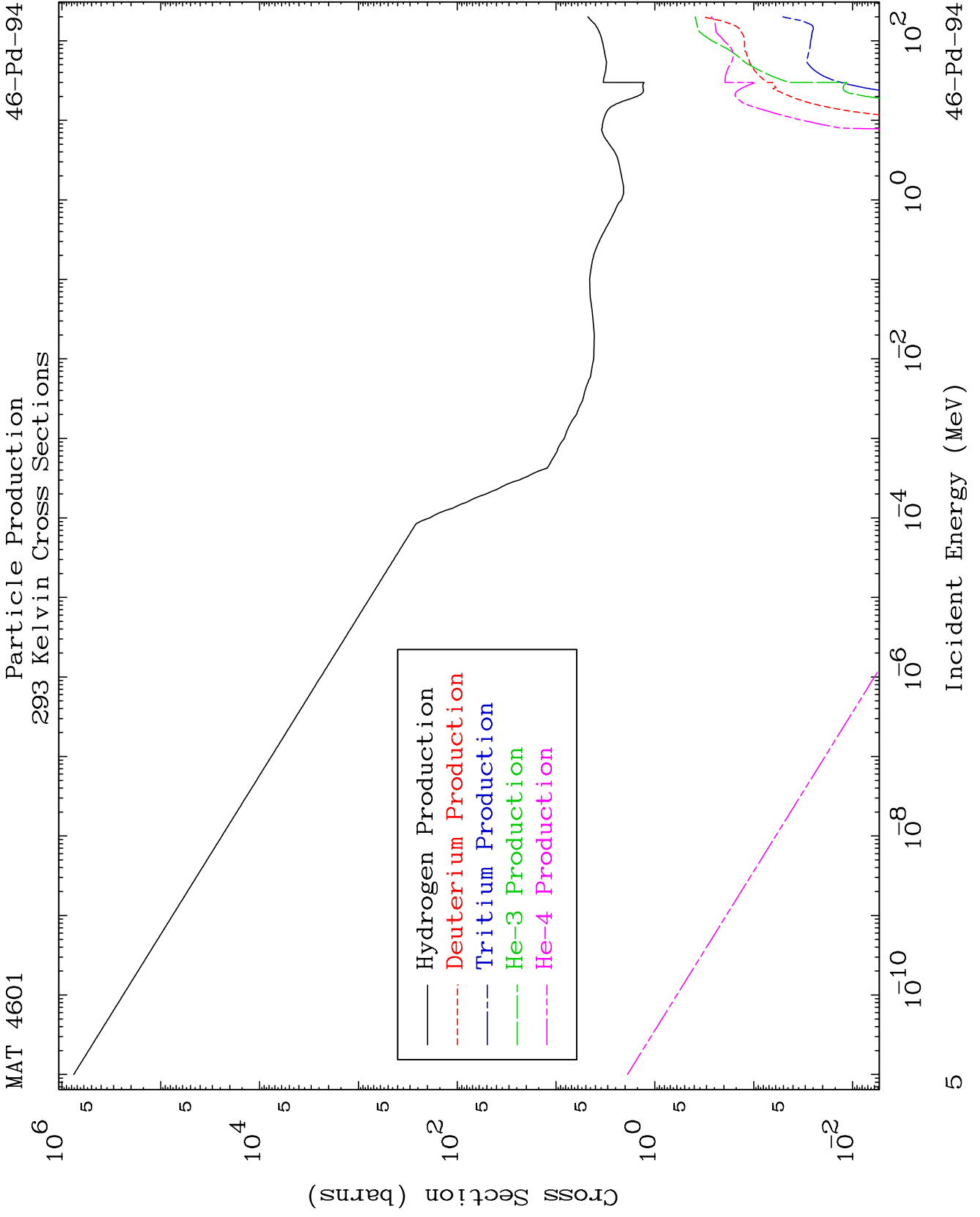
3

MAT 4601

Charged Particle
293 Kelvin Cross Sections

46-Pd-94



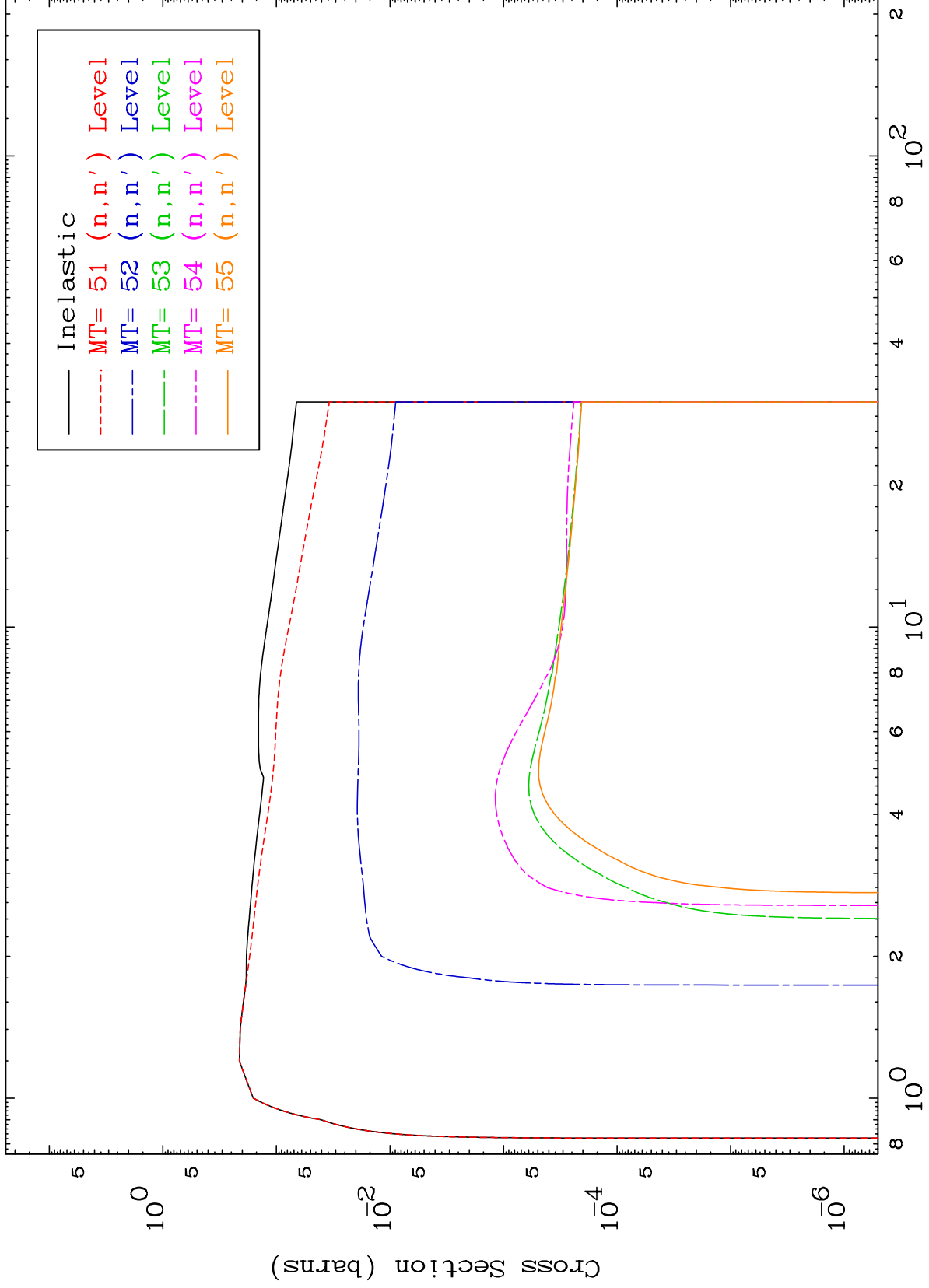


MAT 4601

(n,n') Level

46-Pd-94

293 Kelvin Cross Sections



Incident Energy (MeV)

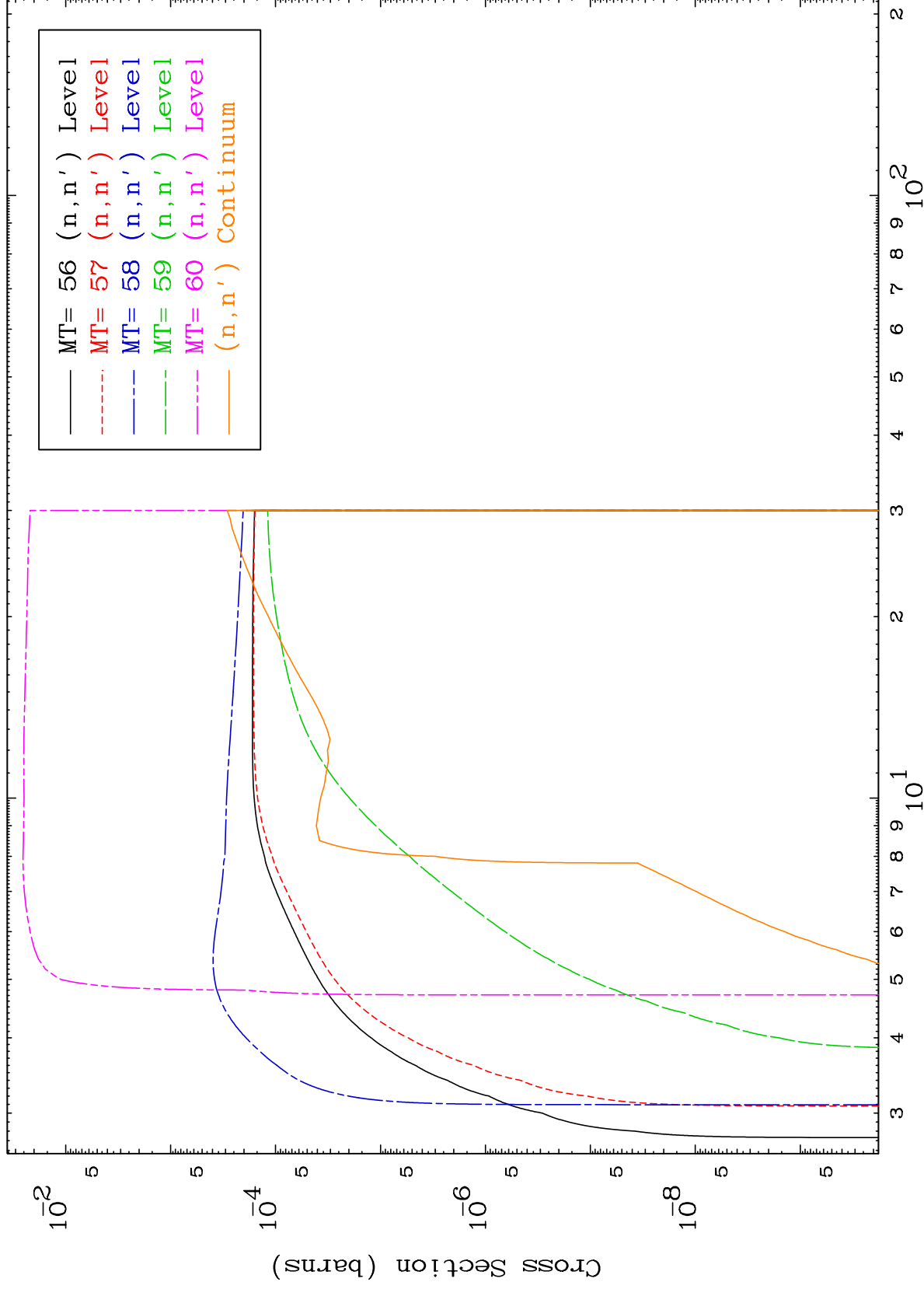
46-Pd-94

MAT 4601

(n,n') Level

46-Pd-94

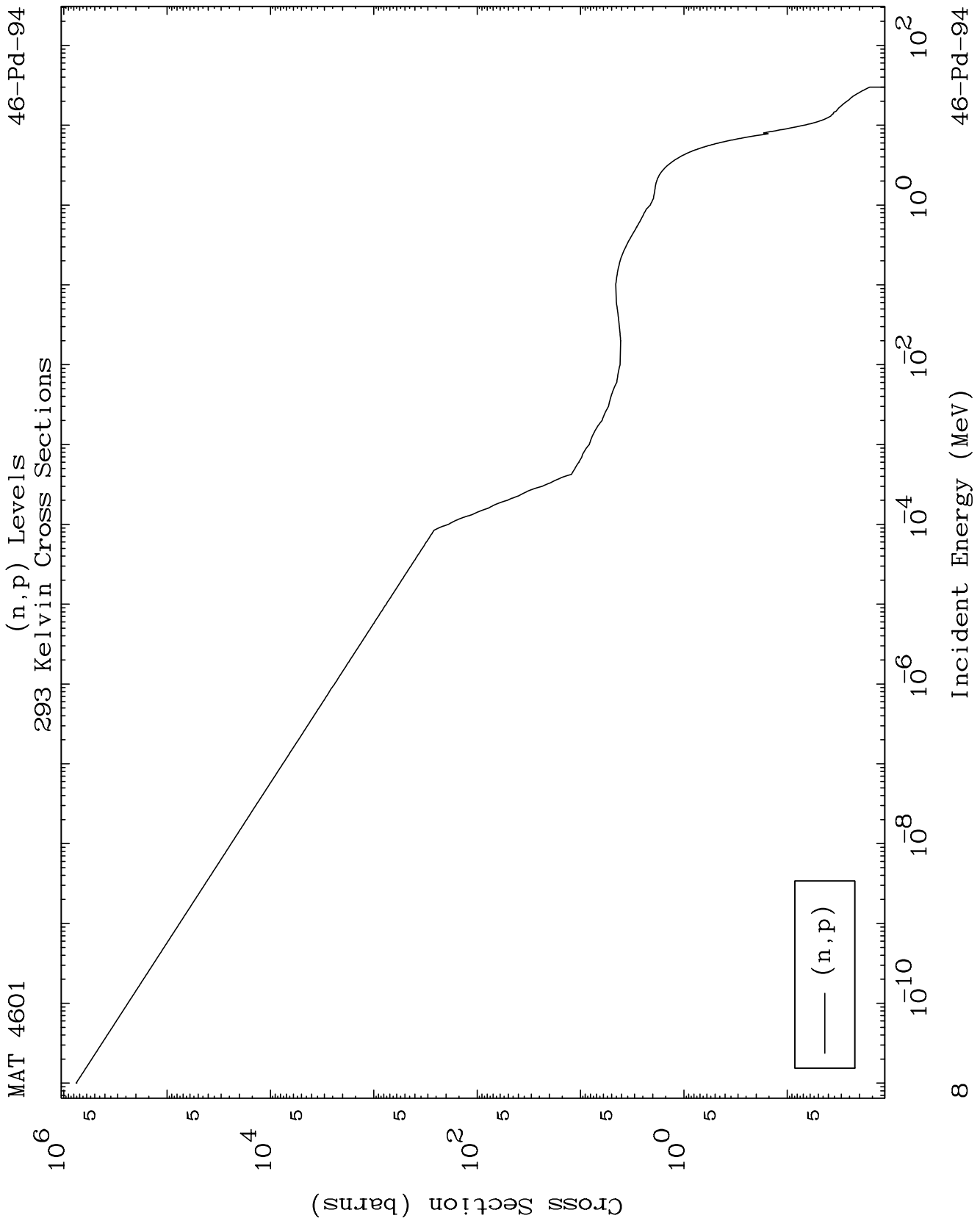
293 Kelvin Cross Sections



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Incident Energy (MeV)

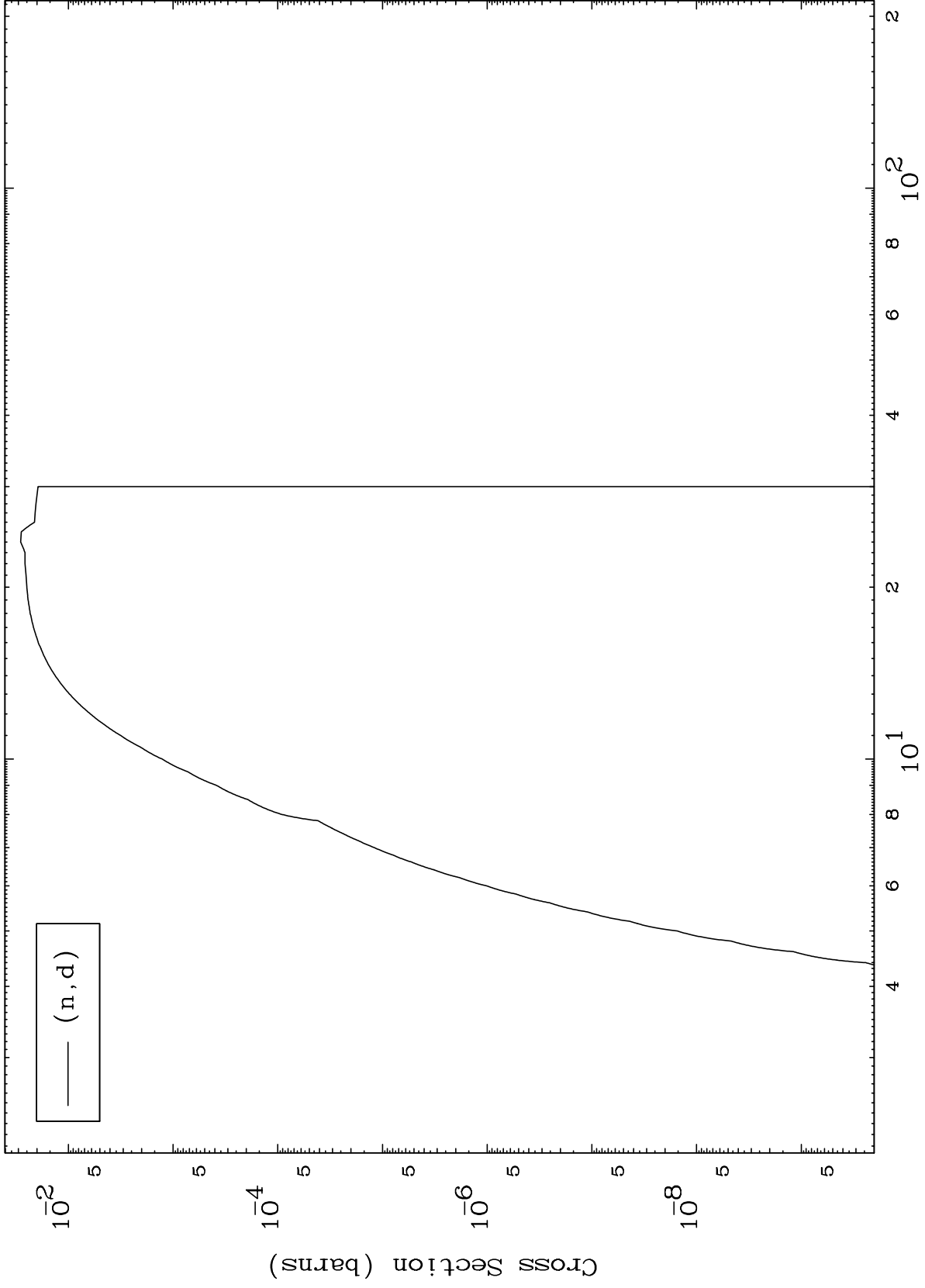
46-Pd-94



MAT 4601

(n,d) Levels
293 Kelvin Cross Sections

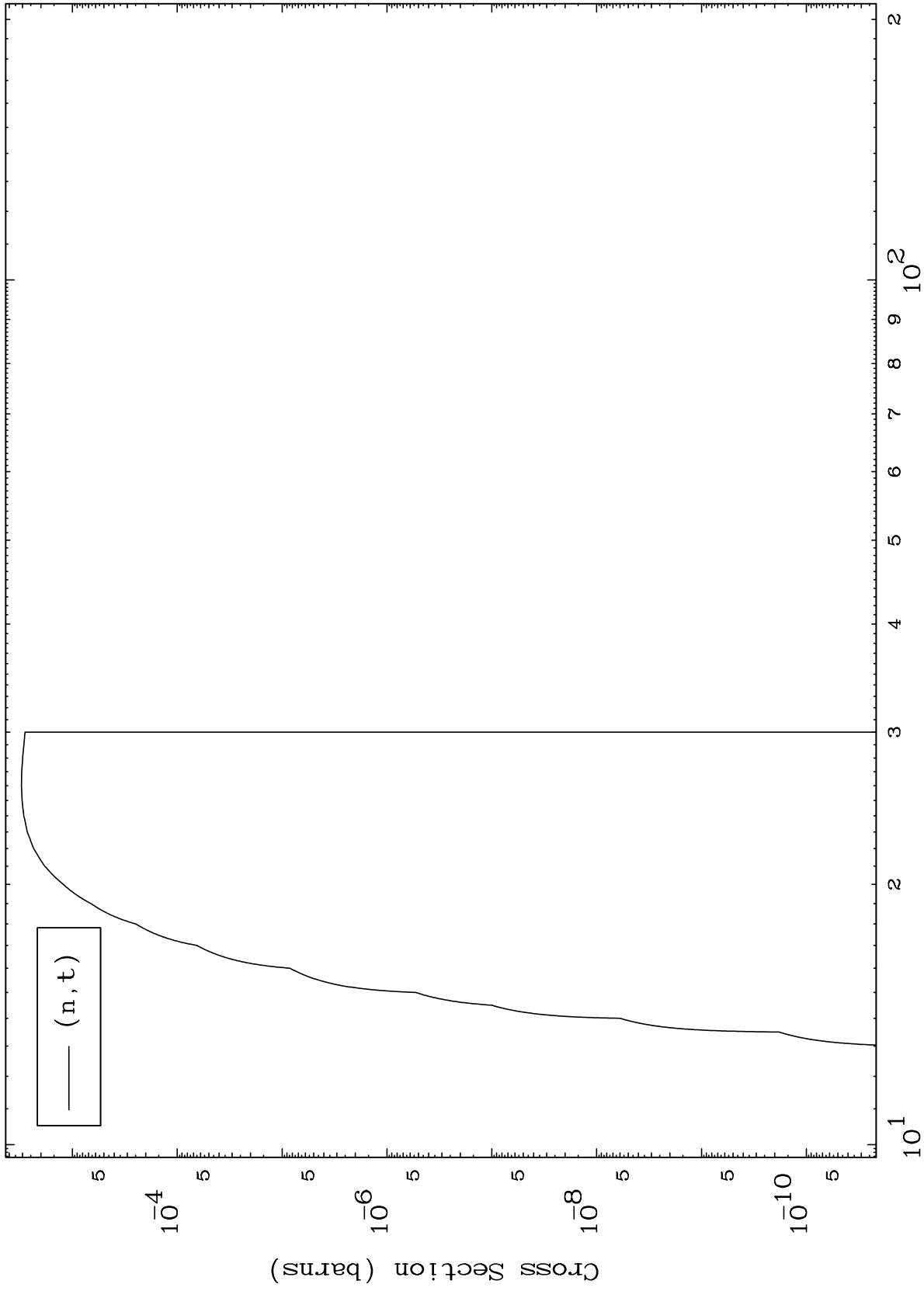
46-Pd-94



MAT 4601

(n,t) Levels
293 Kelvin Cross Sections

46-Pd-94



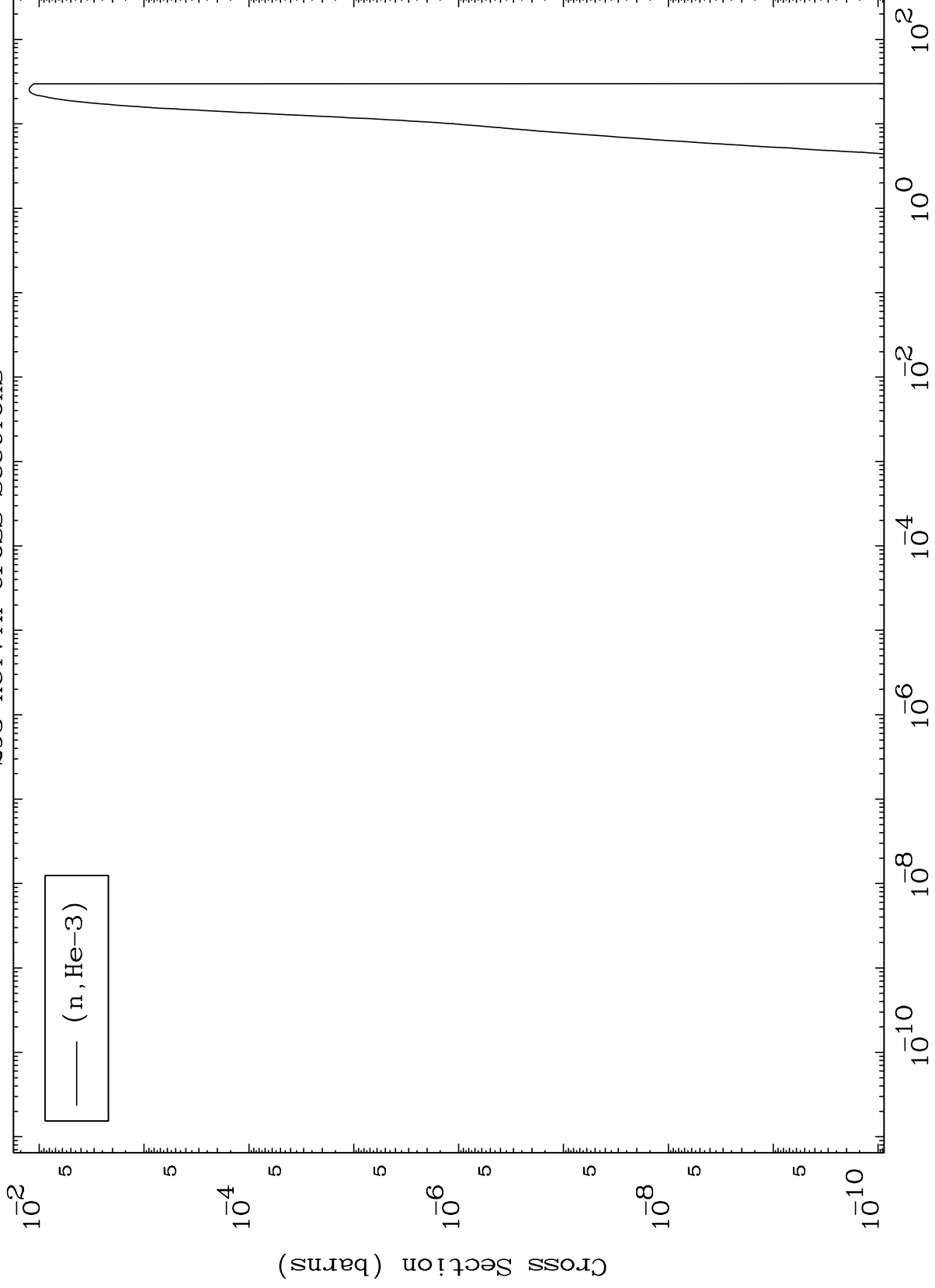
Incident Energy (MeV)

46-Pd-94

MAT 4601

(n,He3) Levels
293 Kelvin Cross Sections

46-Pd-94



(n, He-3)

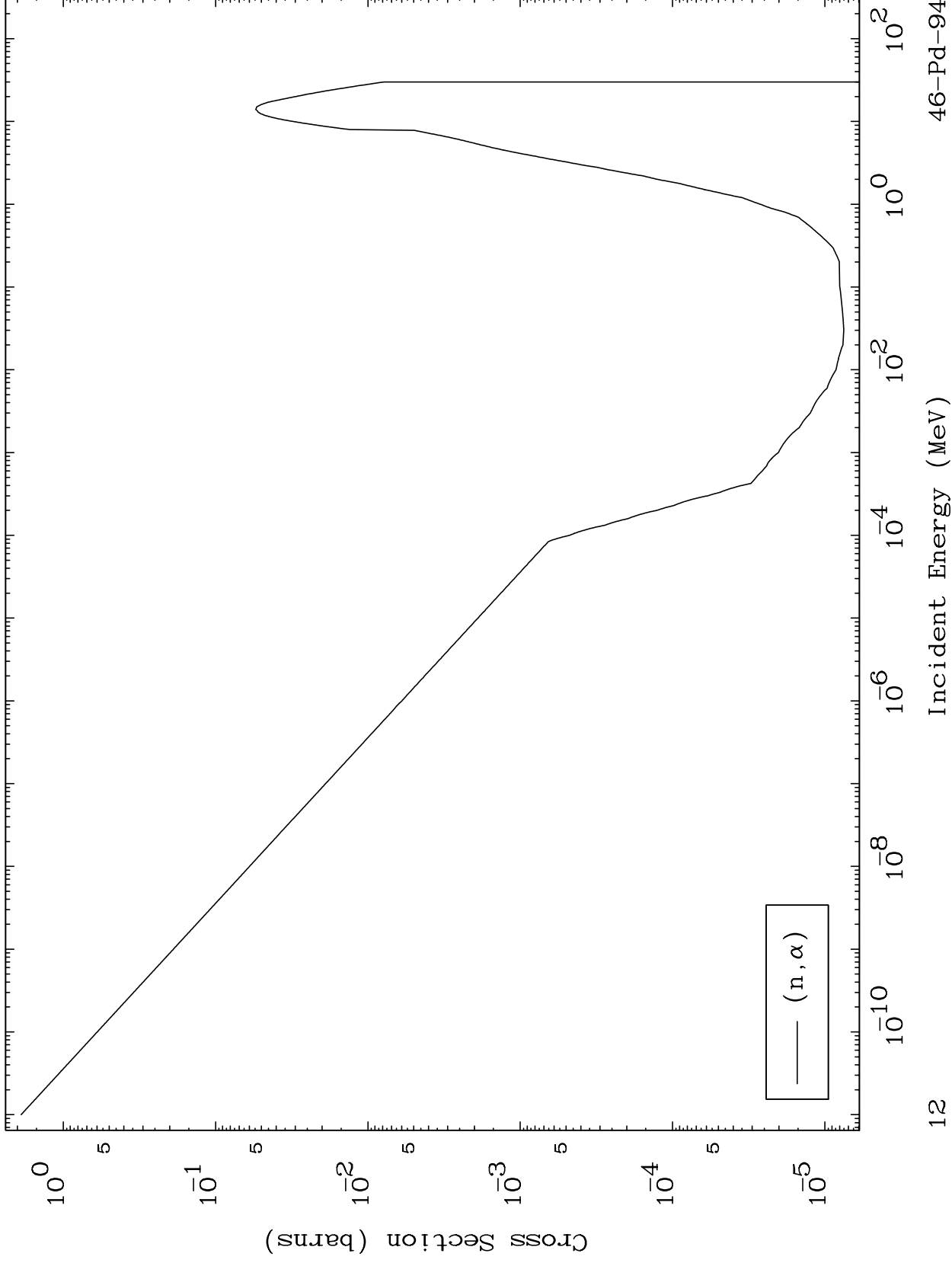
46-Pd-94

Incident Energy (MeV)

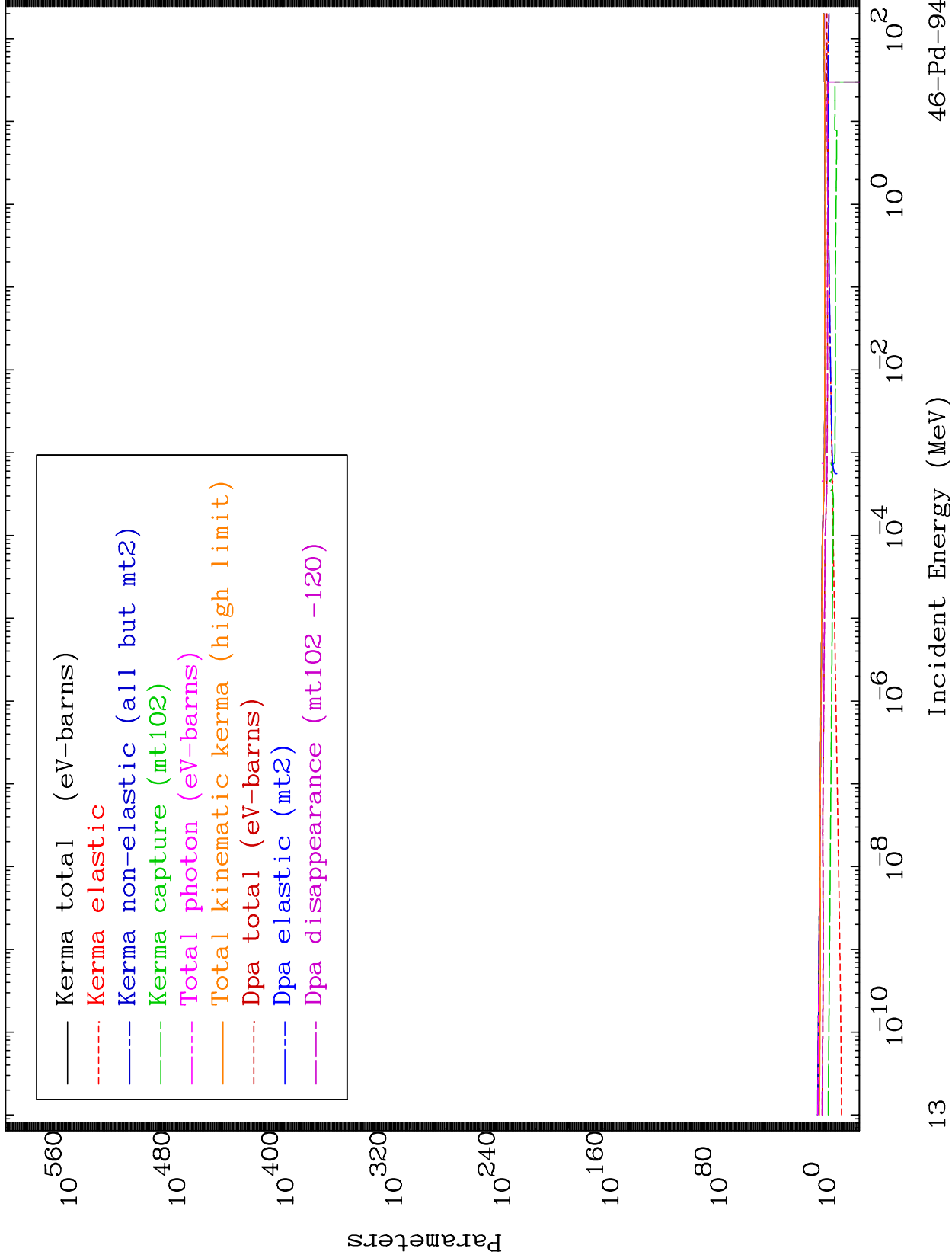
MAT 4601

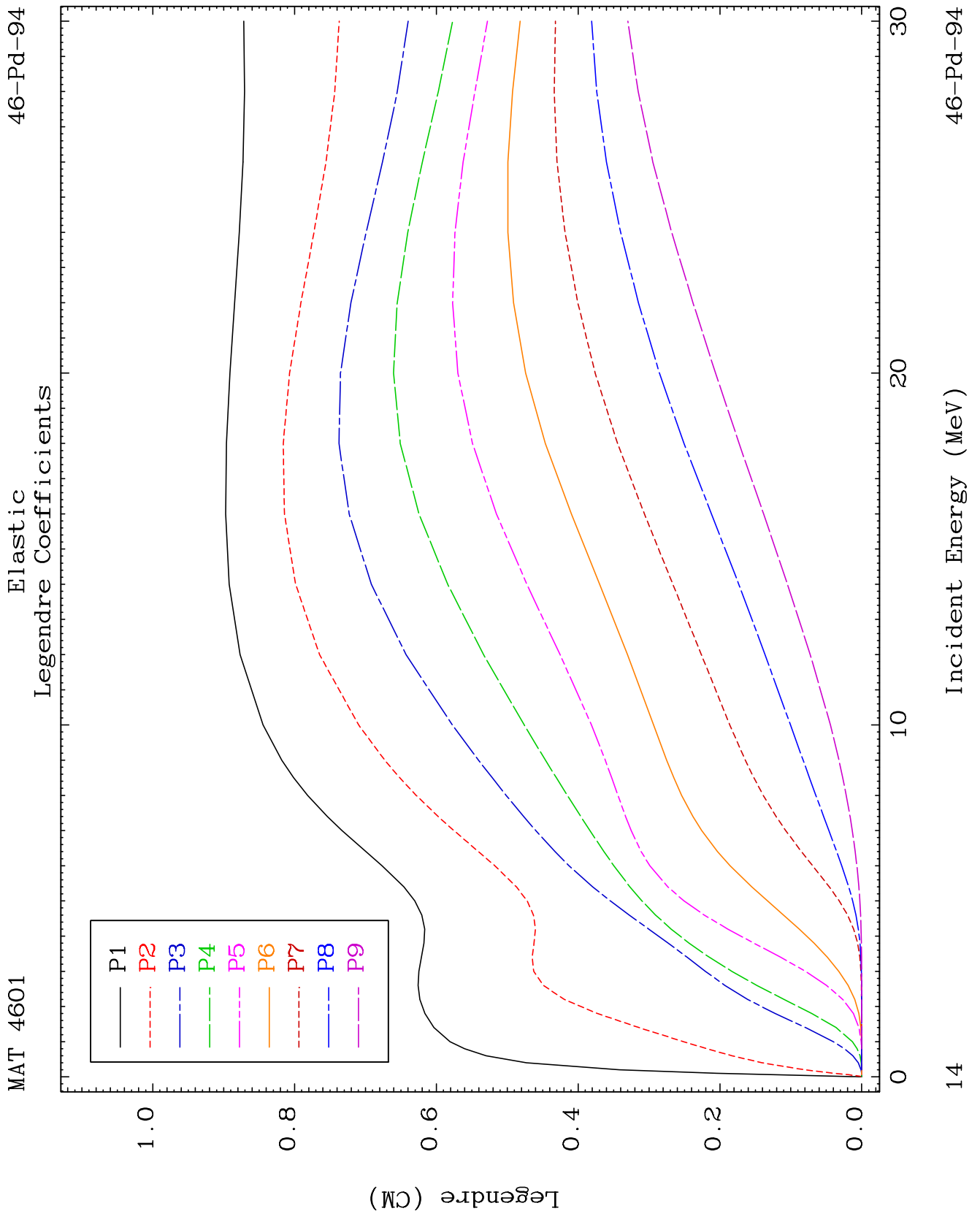
(n, α) Levels
293 Kelvin Cross Sections

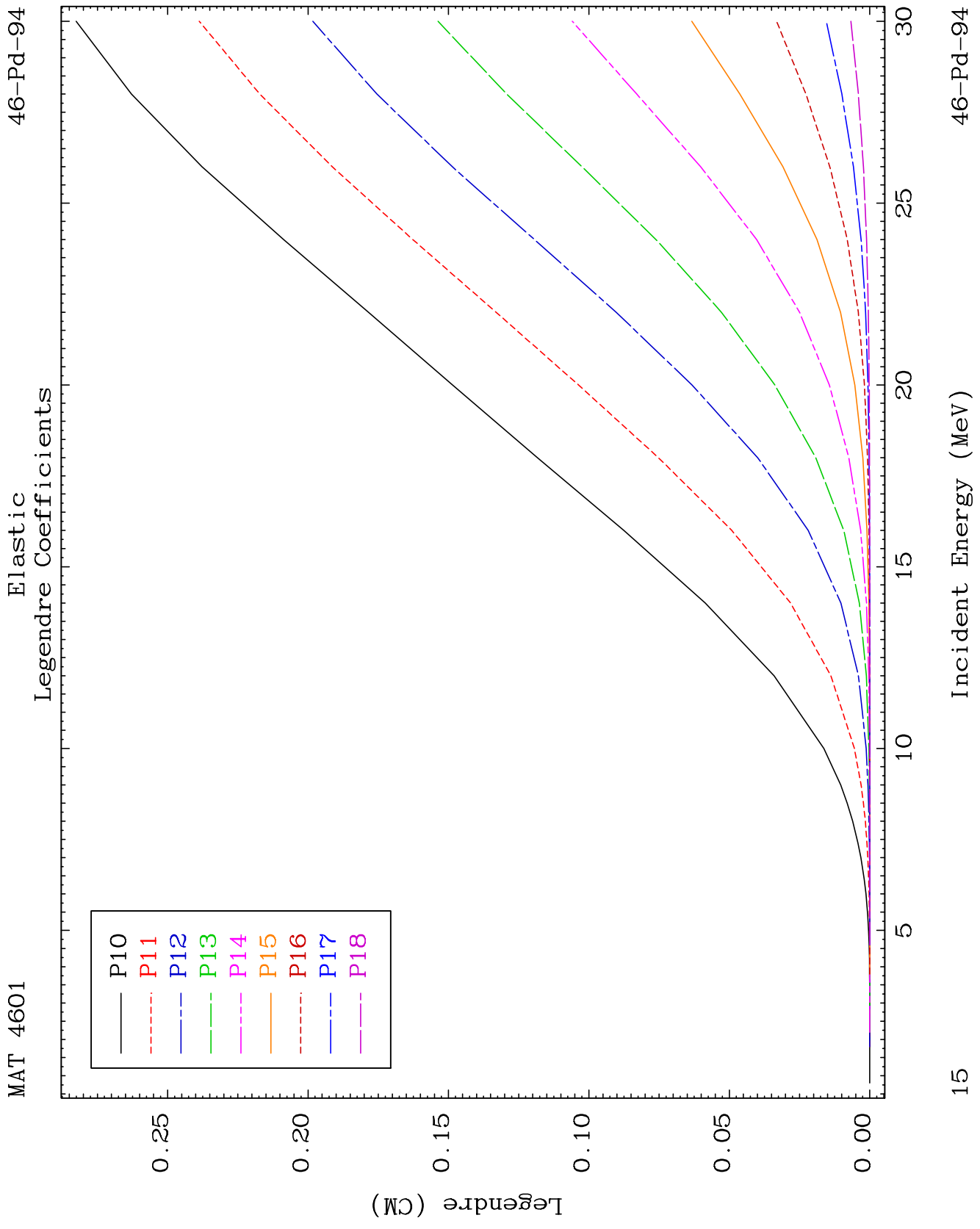
46-Pd-94



12



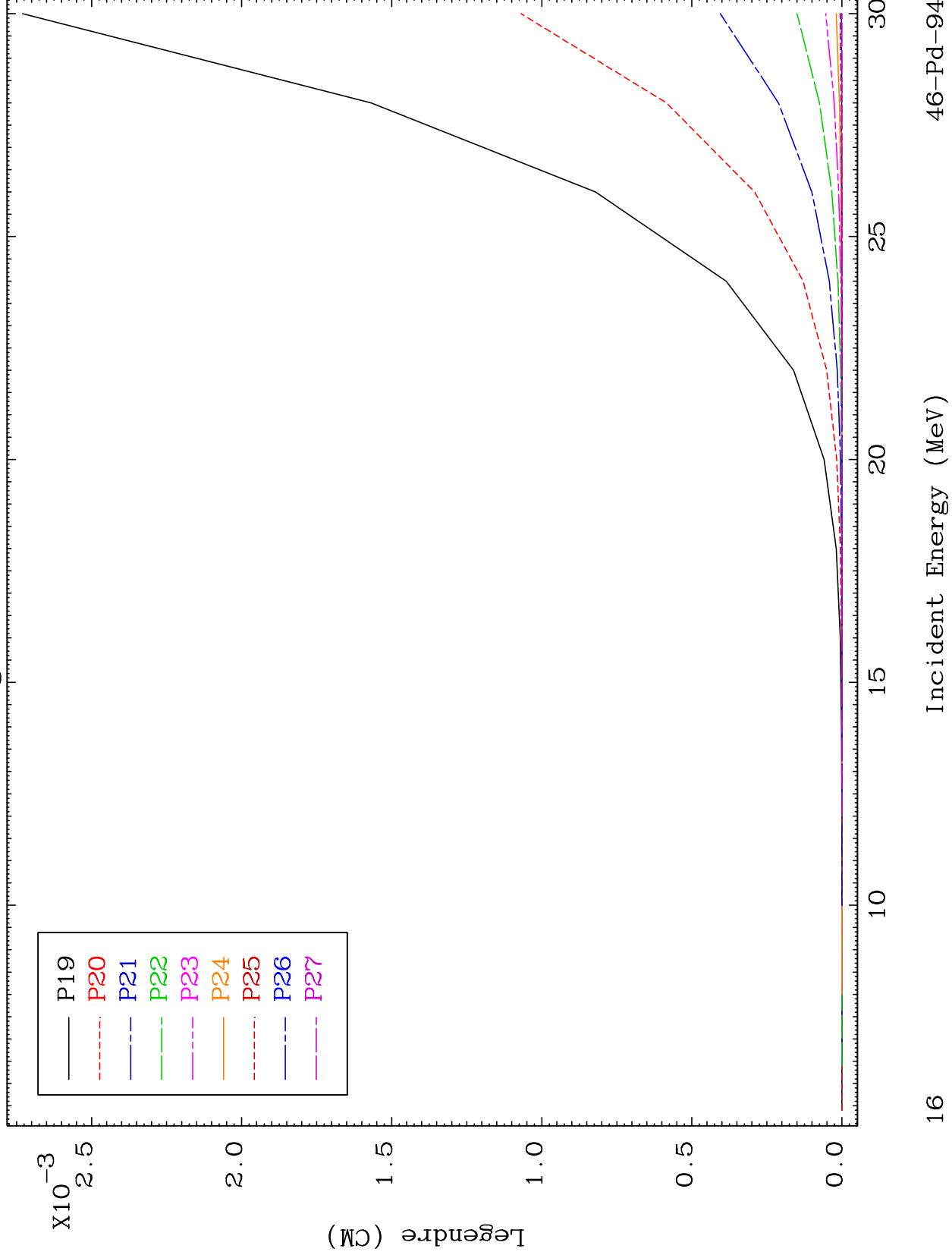




MAT 4601

Elastic Legendre Coefficients

46-Pd-94



16

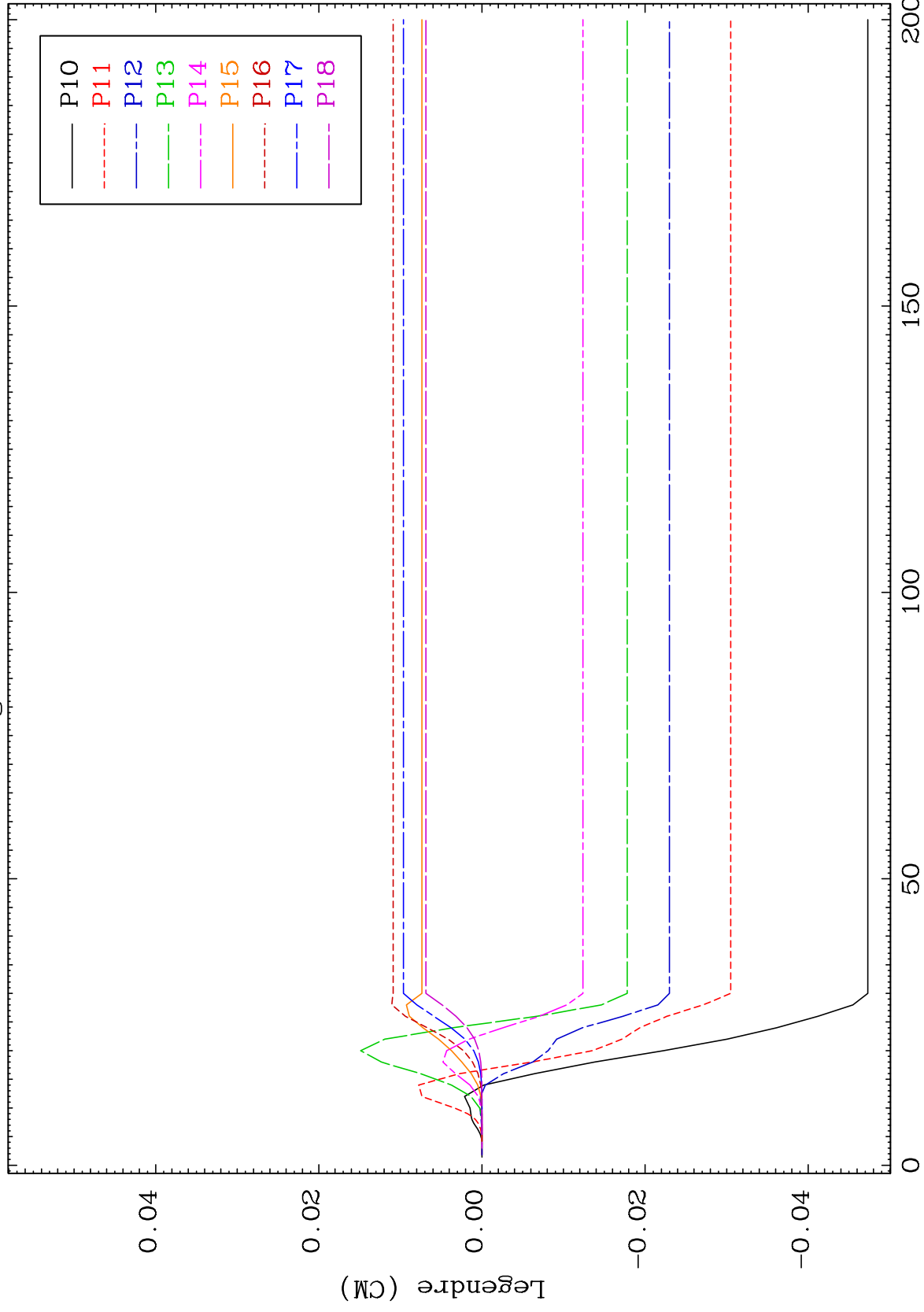
Incident Energy (MeV)

46-Pd-94

MAT 4601

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

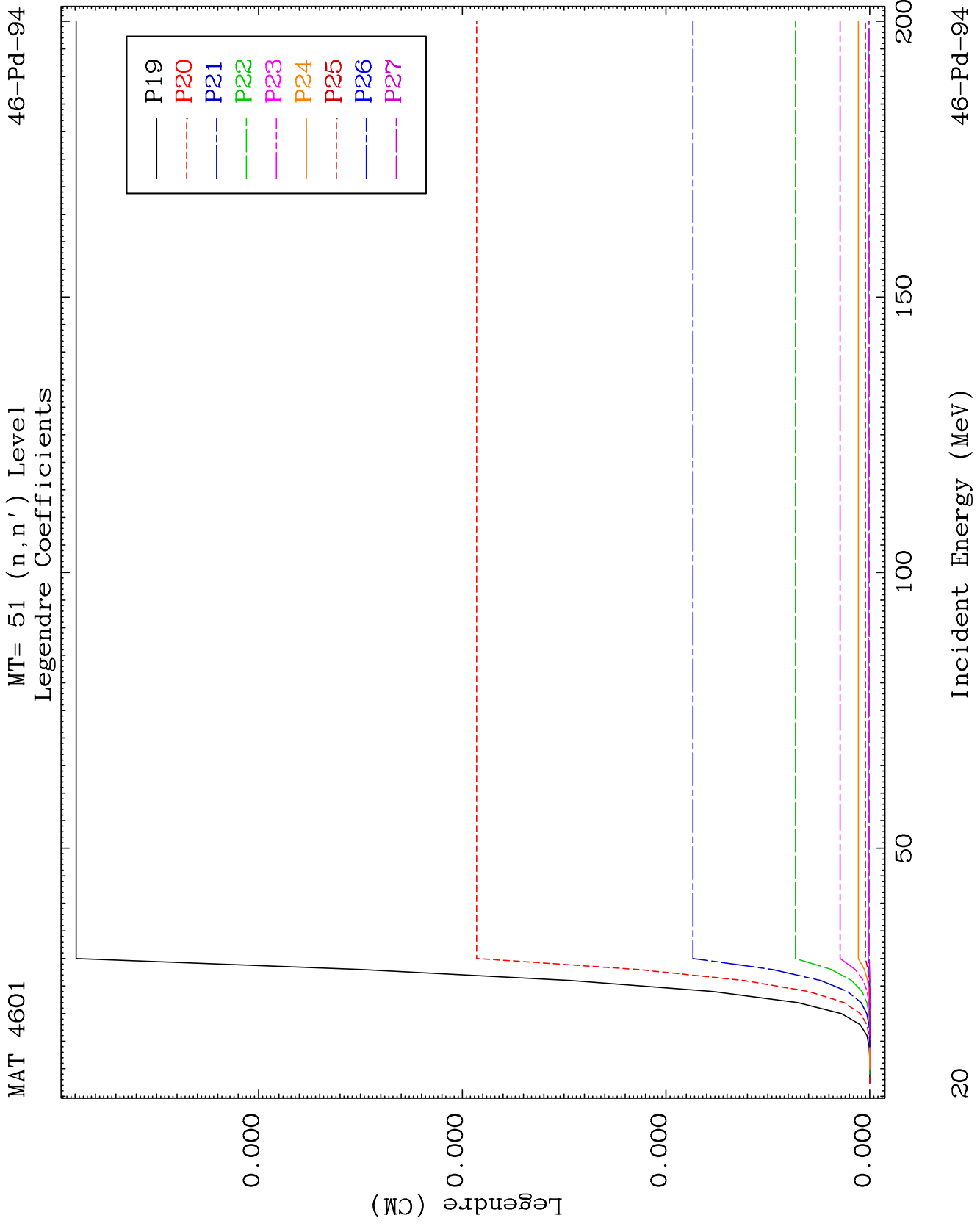
46-Pd-94

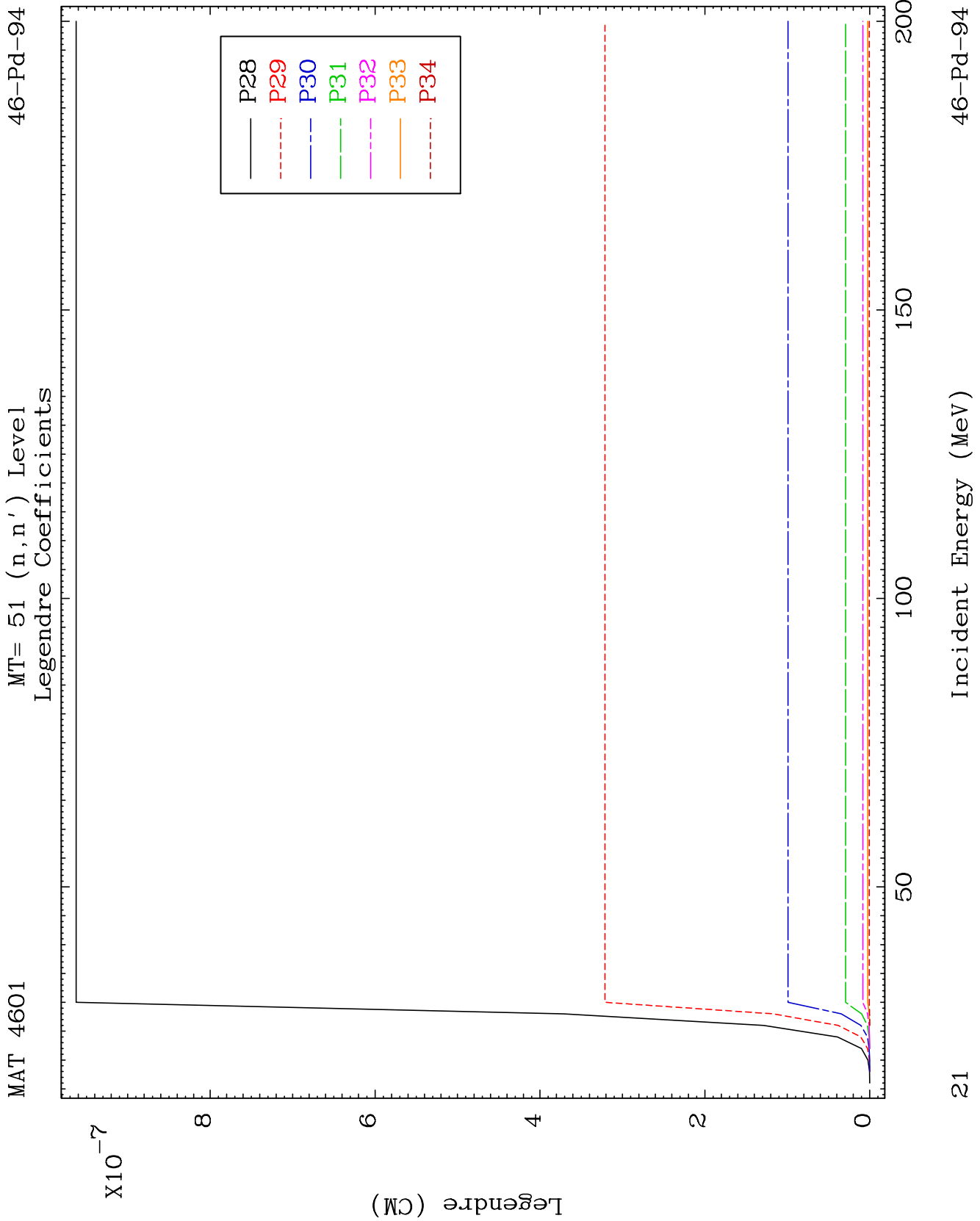


19

Incident Energy (MeV)

46-Pd-94

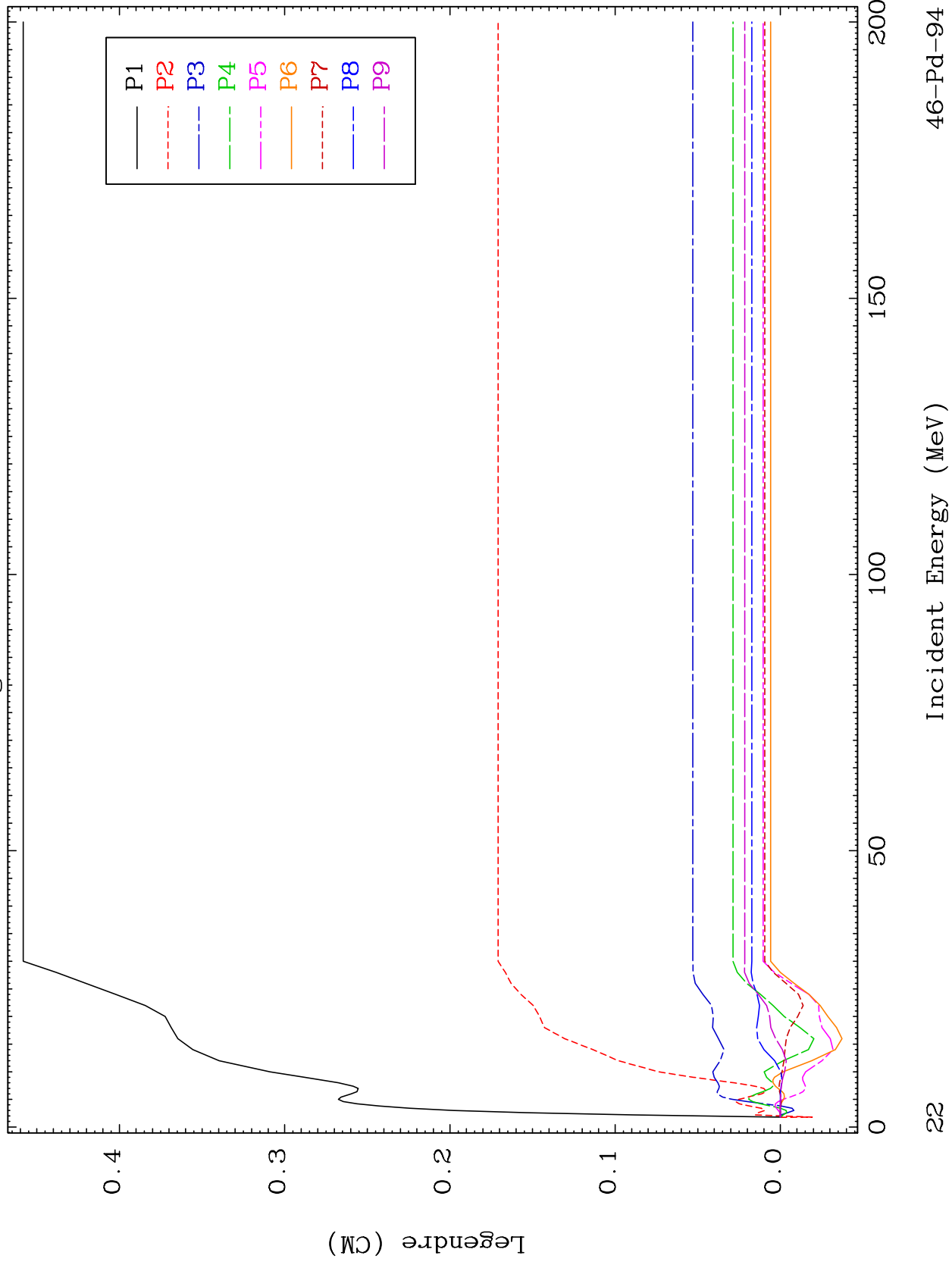




MAT 4601

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

46-Pd-94



46-Pd-94

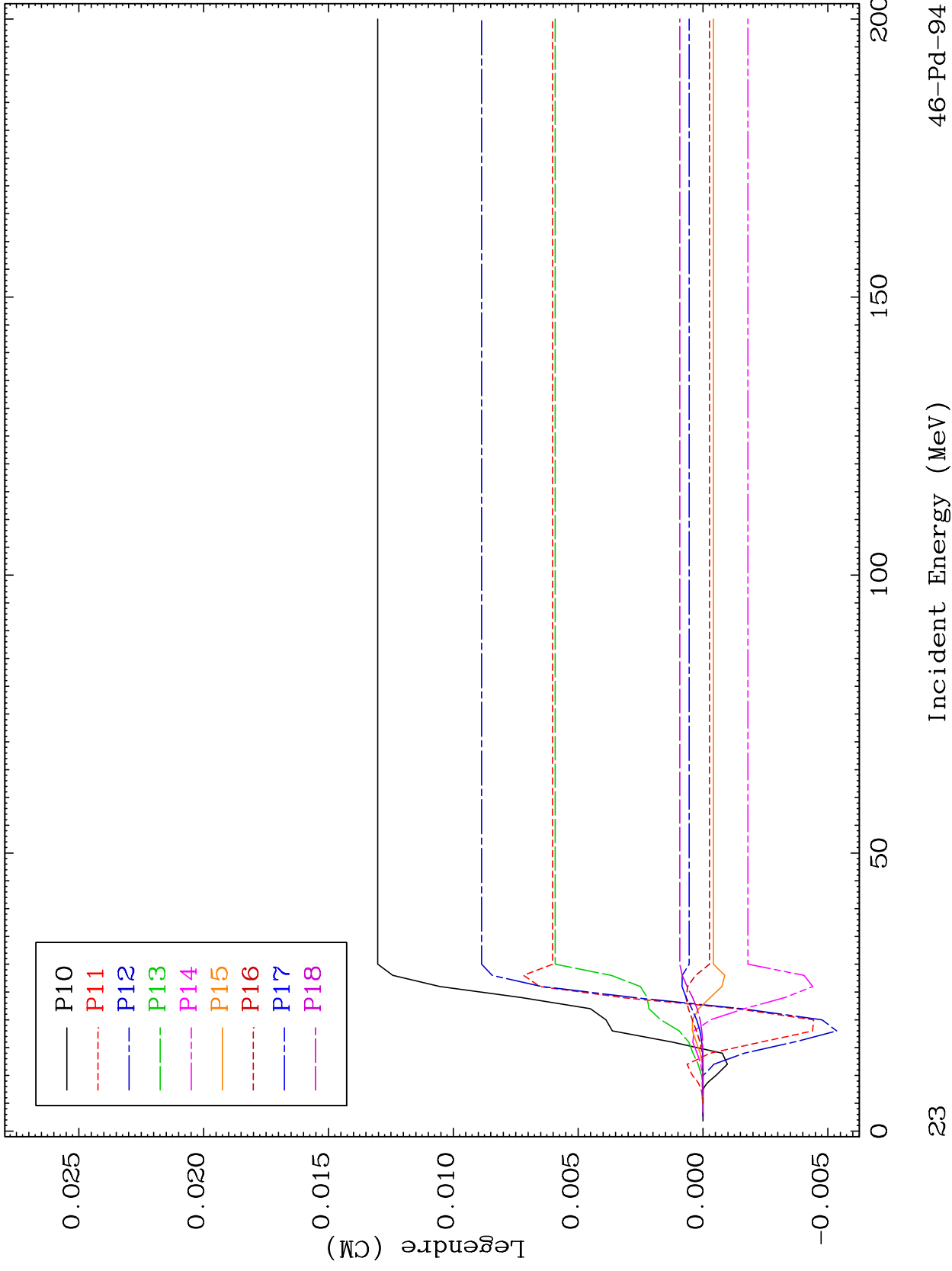
Incident Energy (MeV)

22

MAT 4601

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

46-Pd-94



23

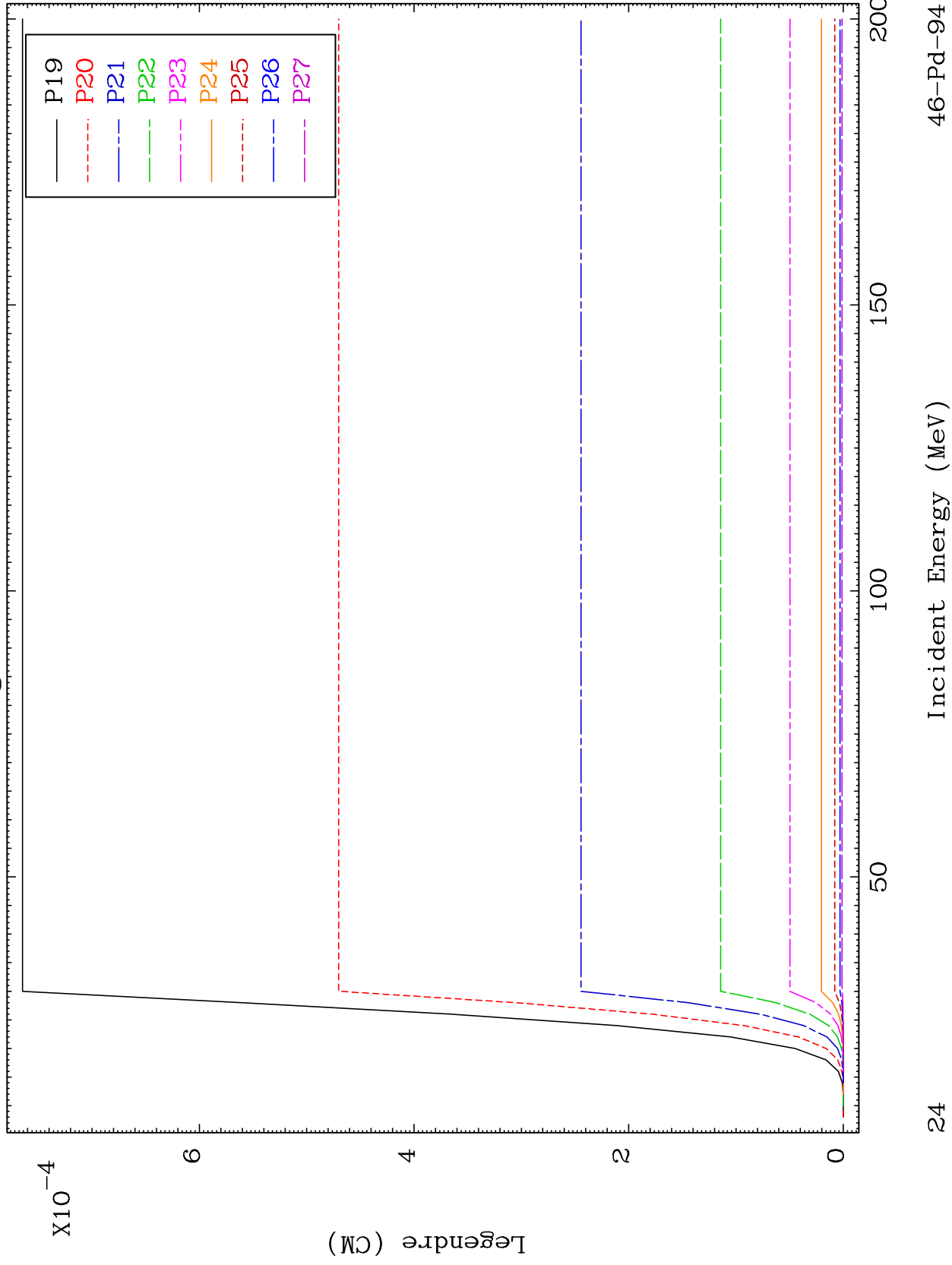
Incident Energy (MeV)

46-Pd-94

MAT 4601

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

46-Pd-94



24

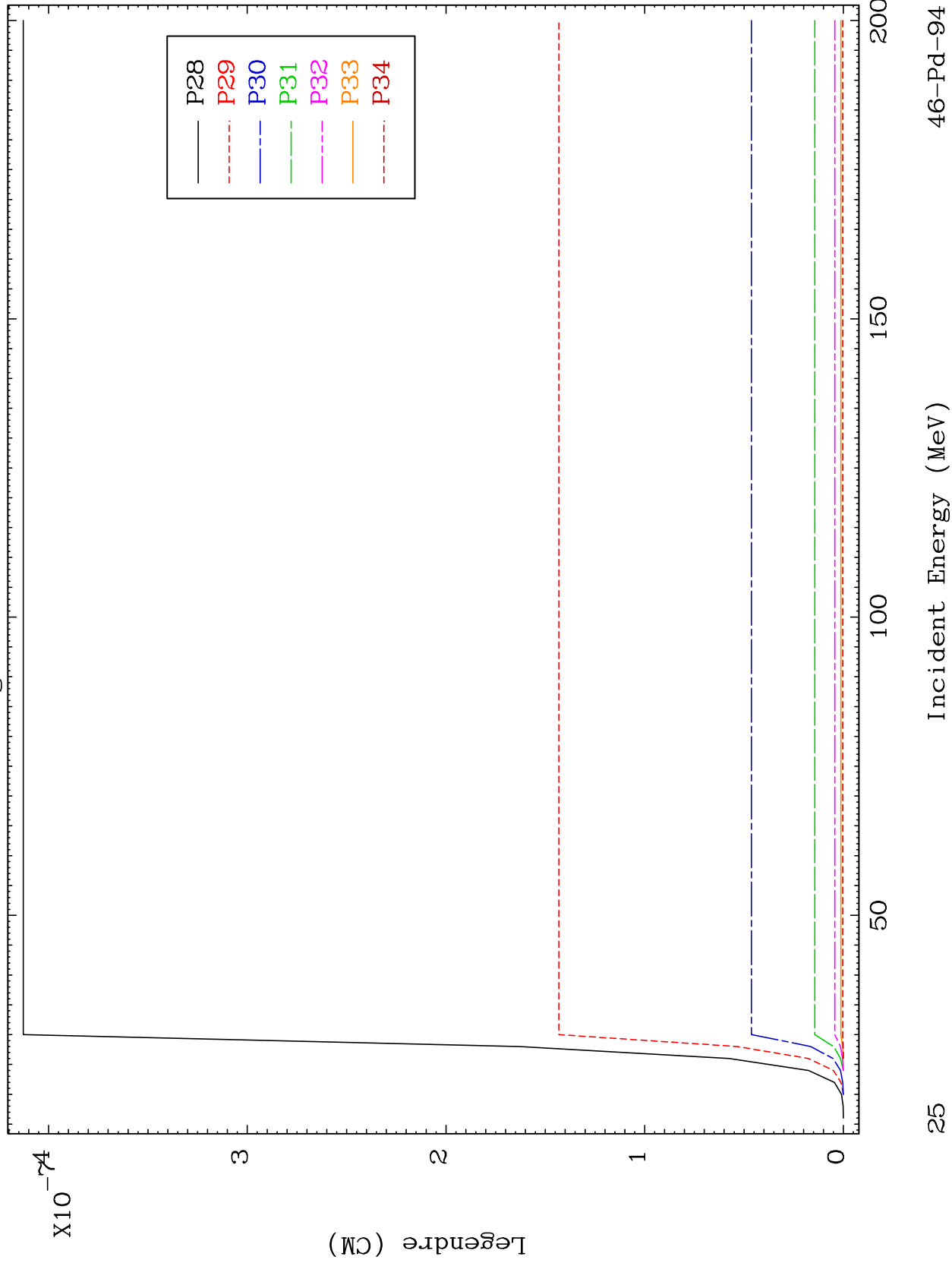
Incident Energy (MeV)

46-Pd-94

MAT 4601

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

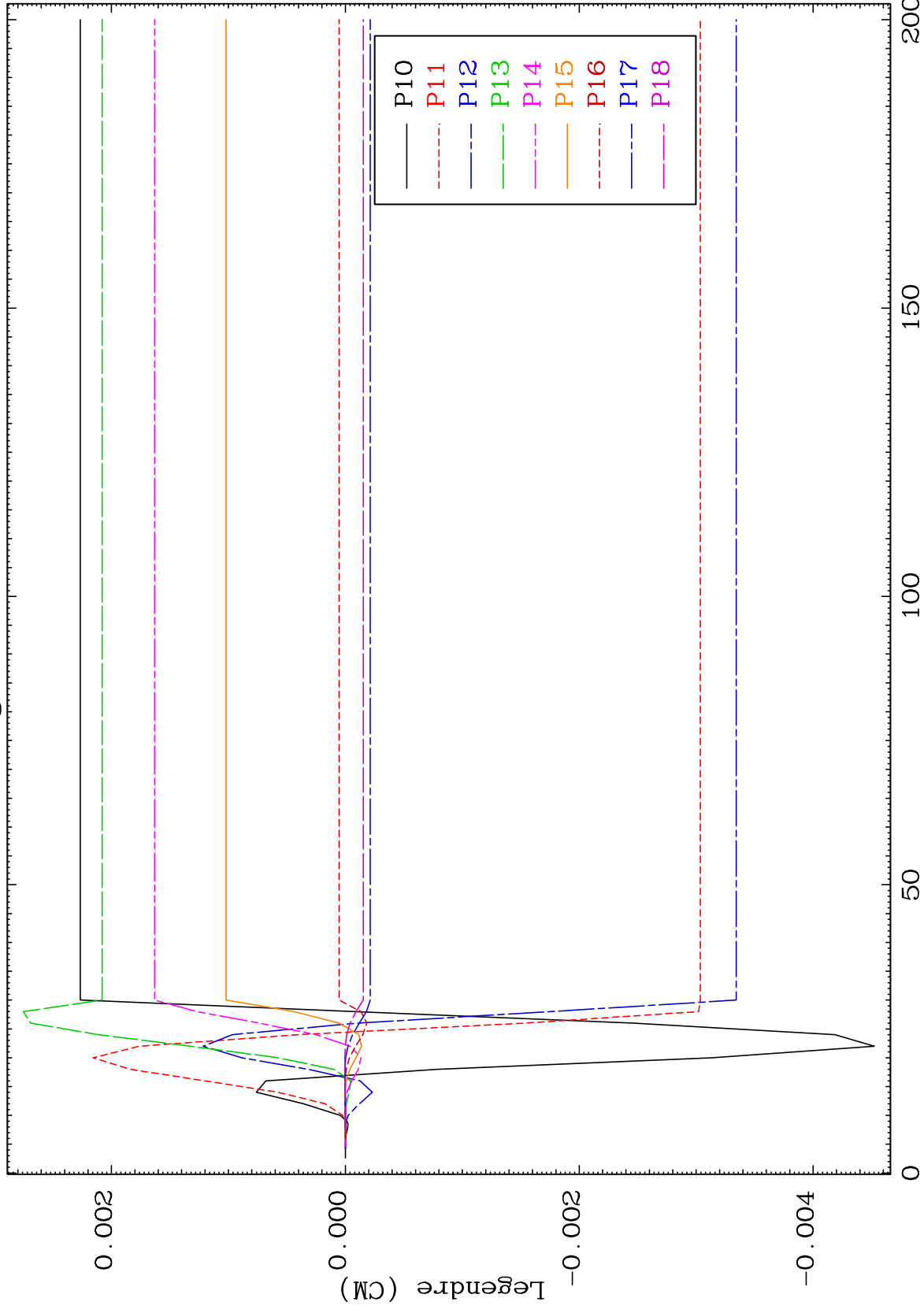
46-Pd-94



MAT 4601

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

46-Pd-94



27

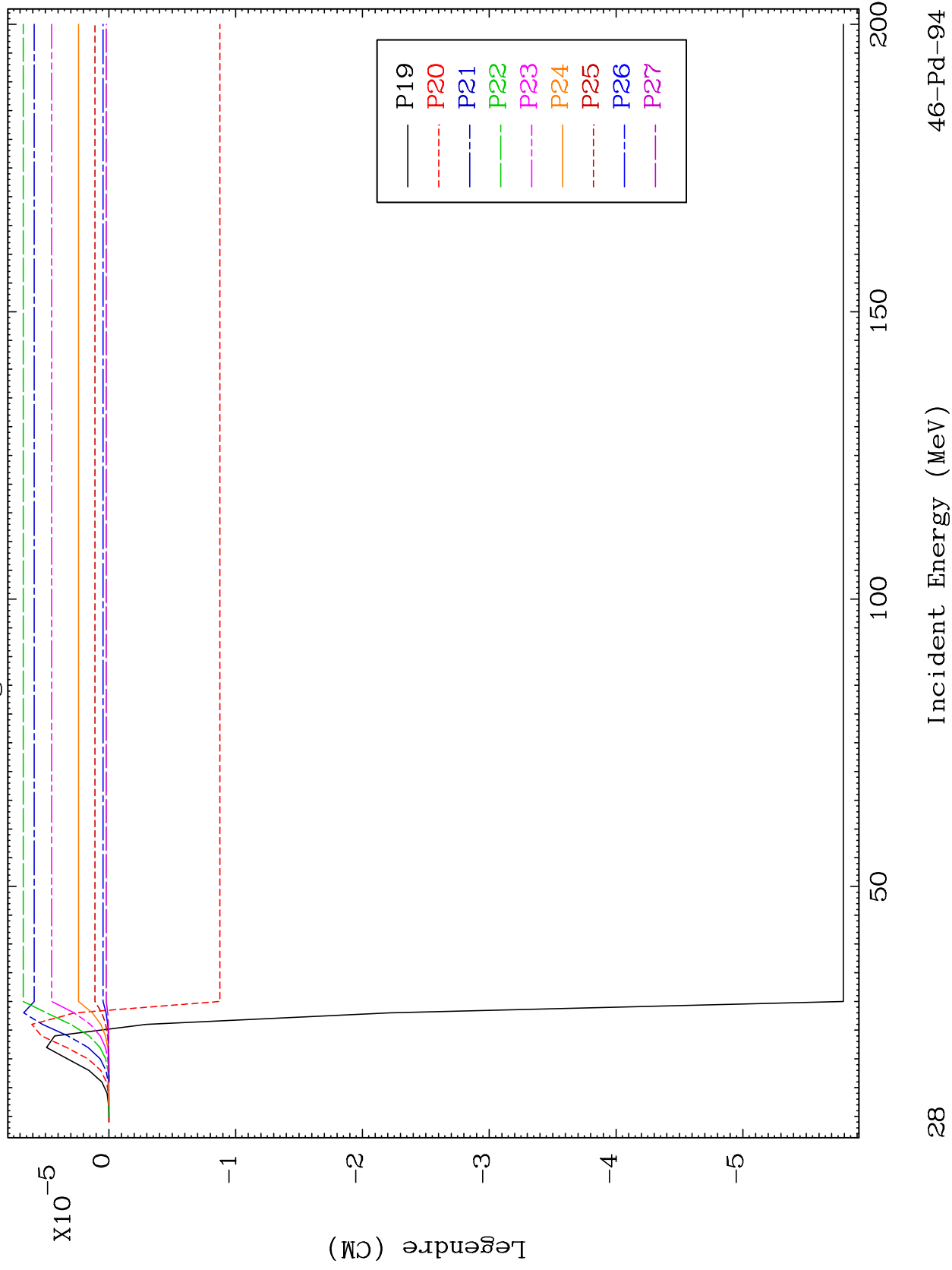
Incident Energy (MeV)

46-Pd-94

MAT 4601

46-Pd-94

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



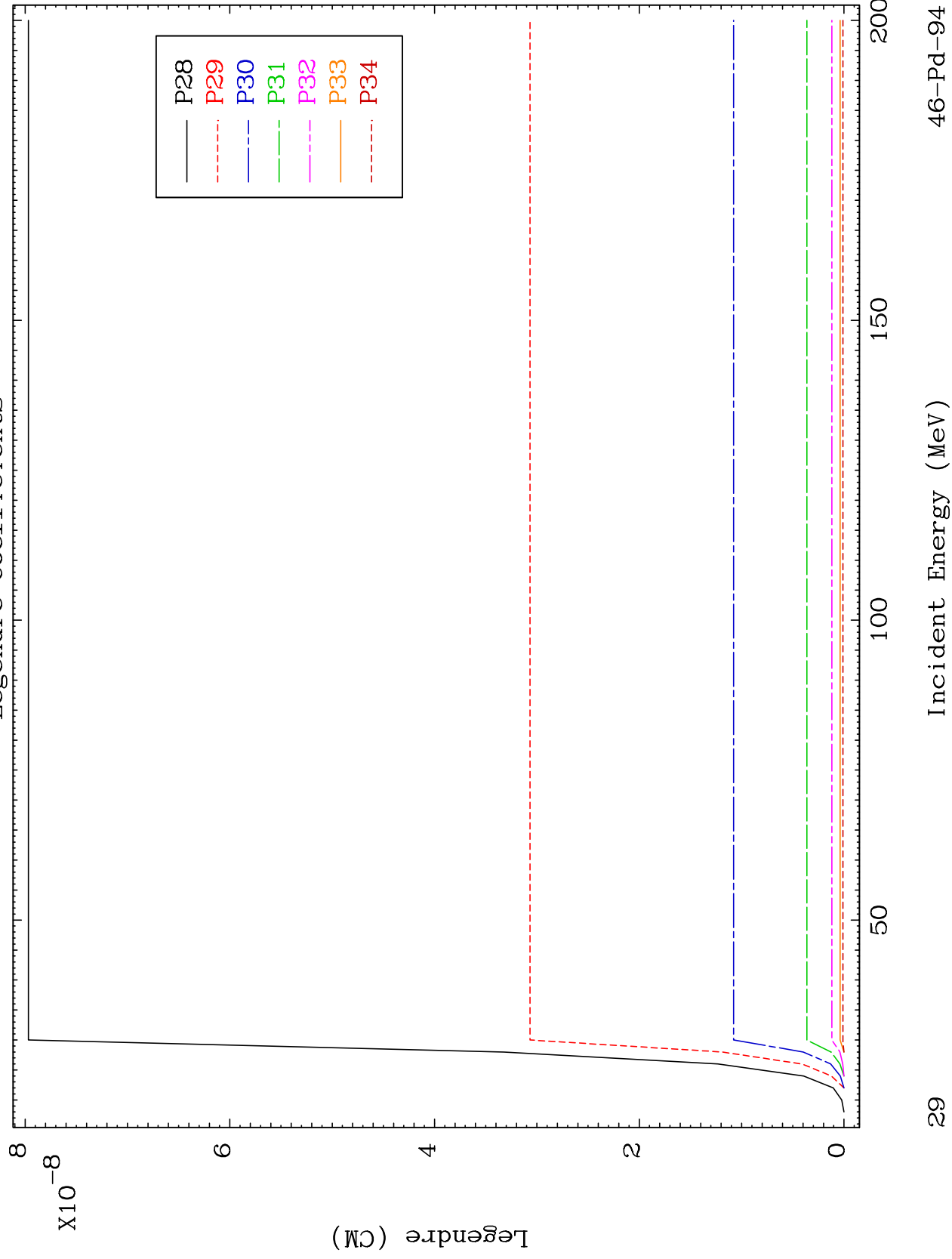
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46-Pd-94

MAT 4601

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

46-Pd-94

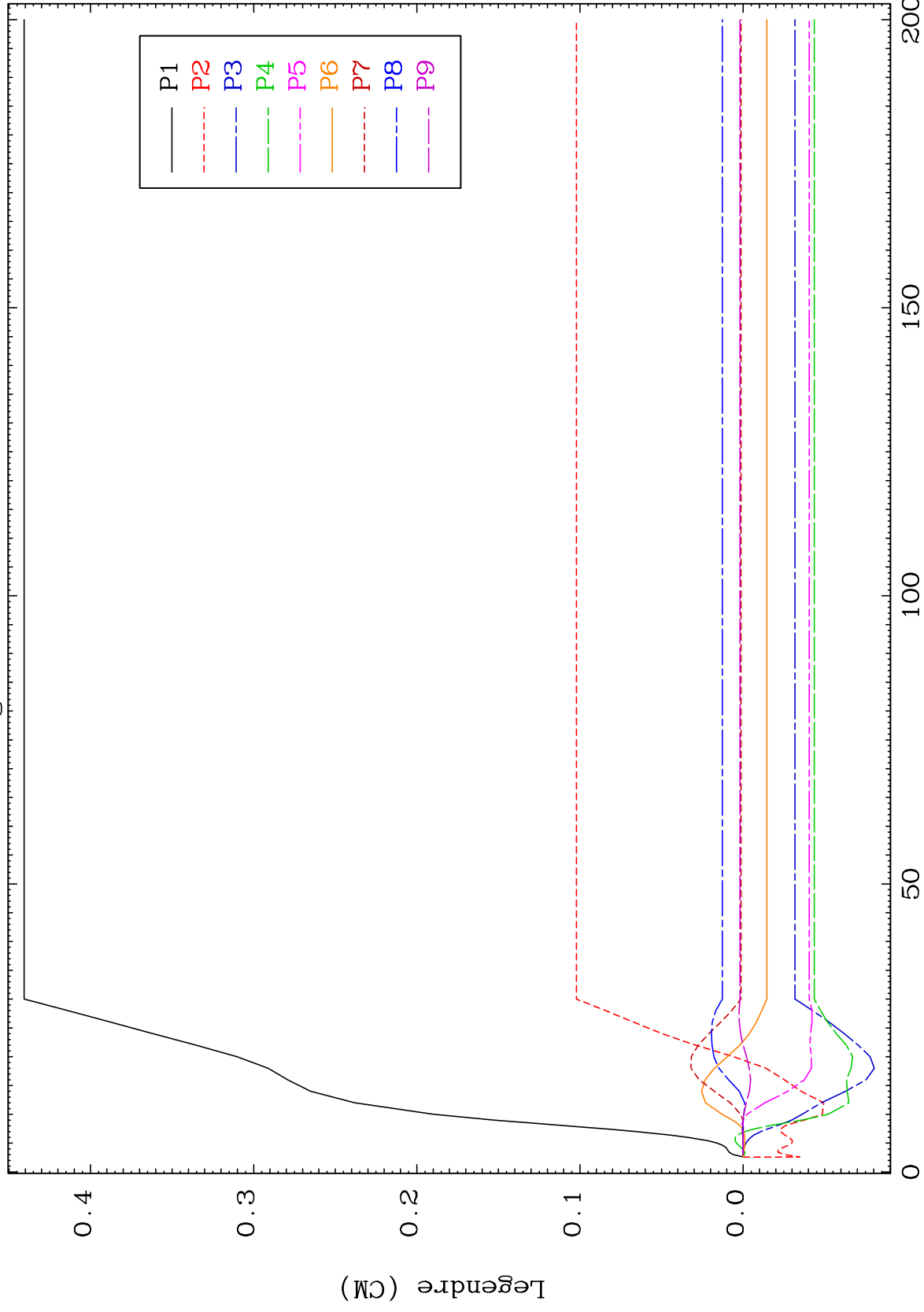


29

MAT 4601

MT= 54 (n,n') Level
Legendre Coefficients

46-Pd-94



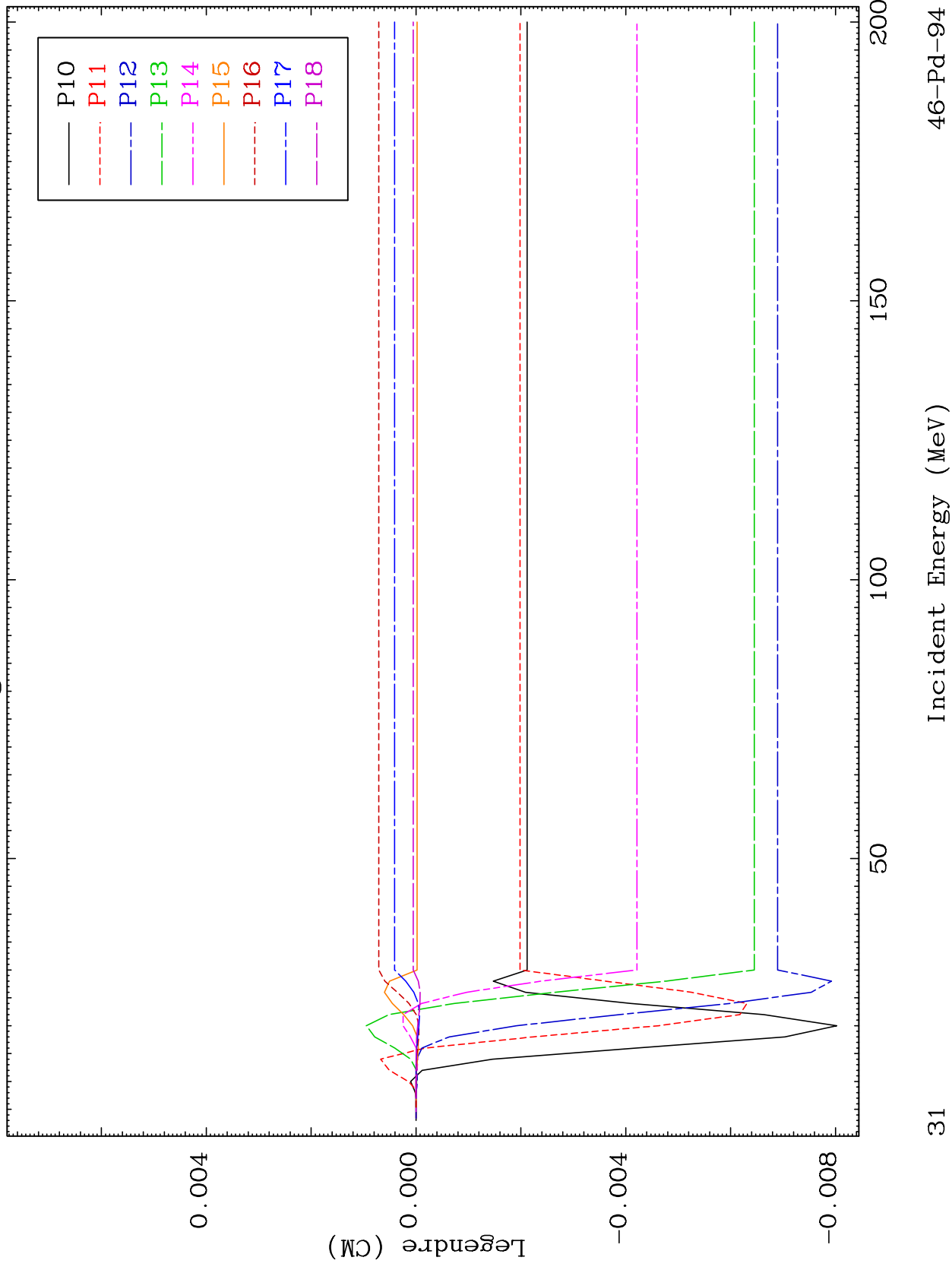
Incident Energy (MeV)

46-Pd-94

MAT 4601

MT= 54 (n,n') Level
Legendre Coefficients

46-Pd-94

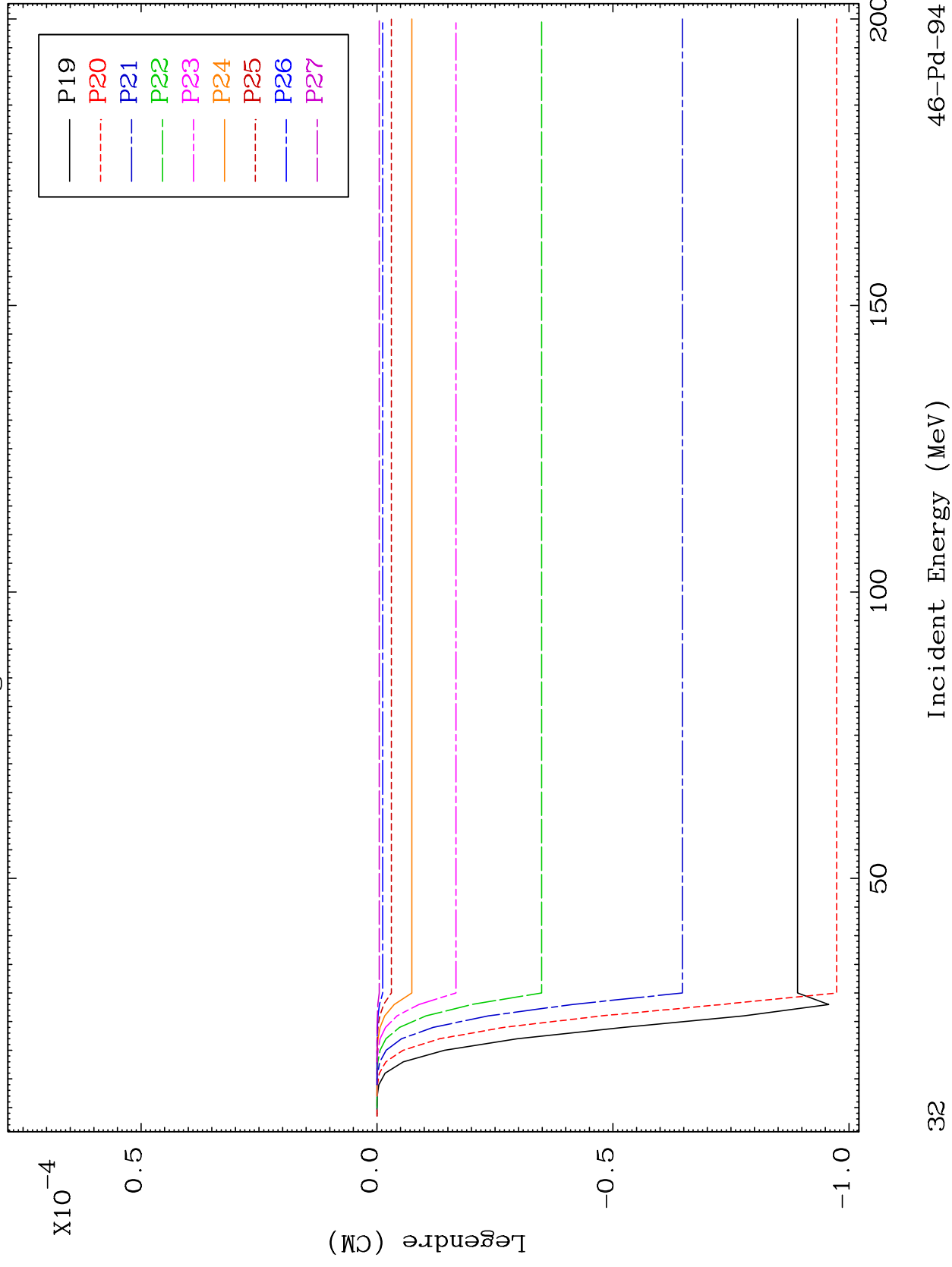


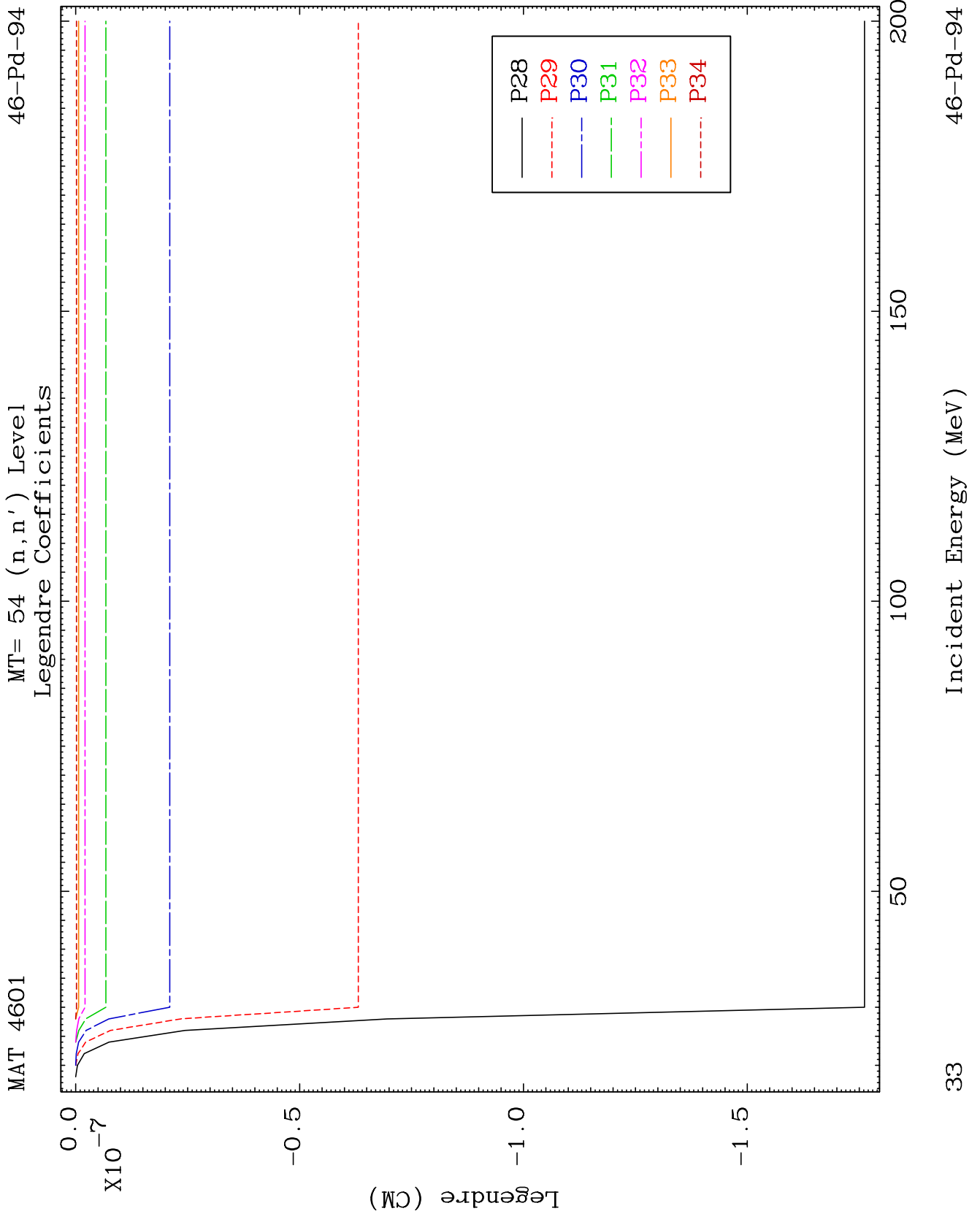
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MAT 4601

MT= 54 (n,n') Level
Legendre Coefficients

46-Pd-94

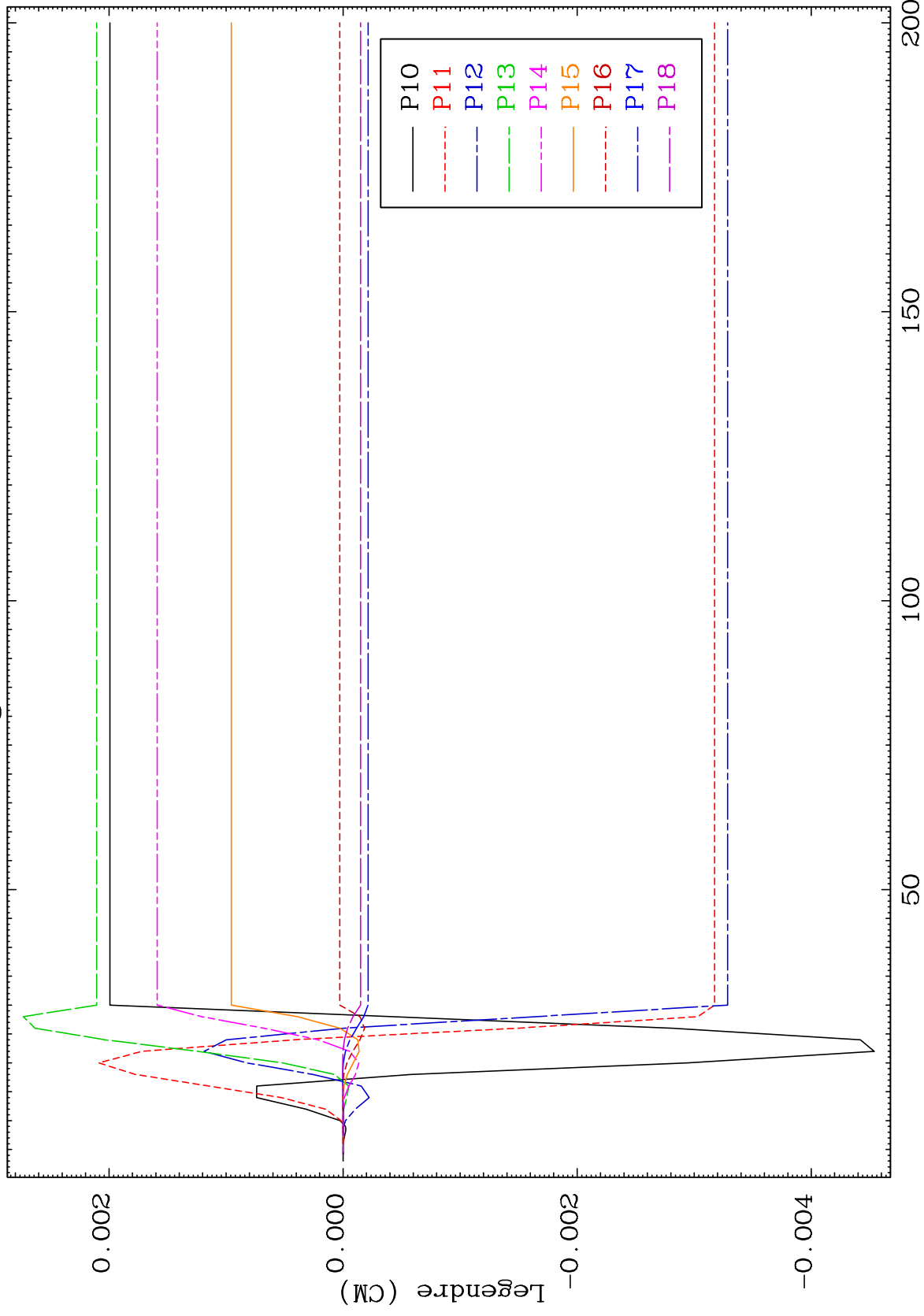




MAT 4601

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

46-Pd-94



35

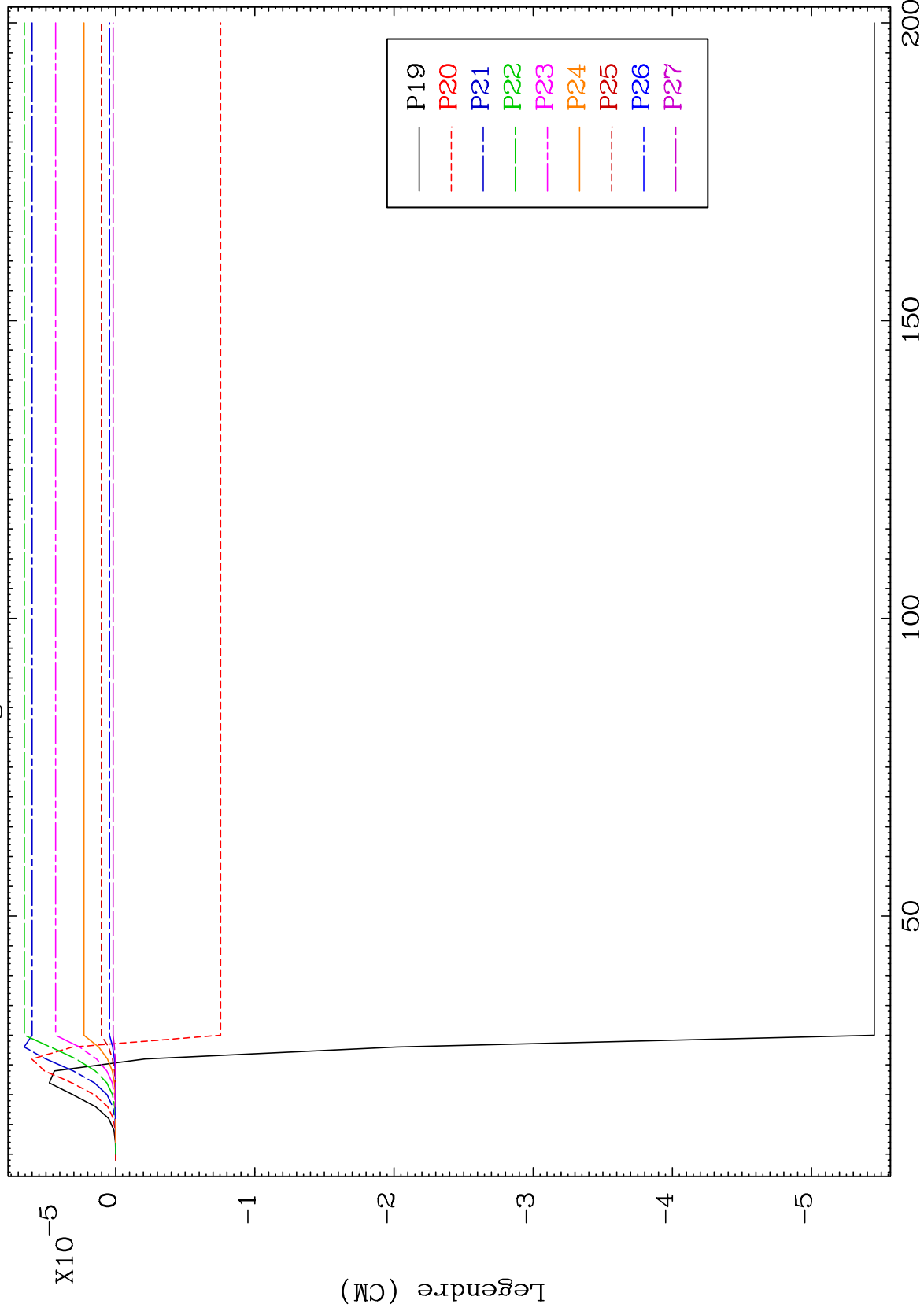
Incident Energy (MeV)

46-Pd-94

MAT 4601

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

46-Pd-94



36

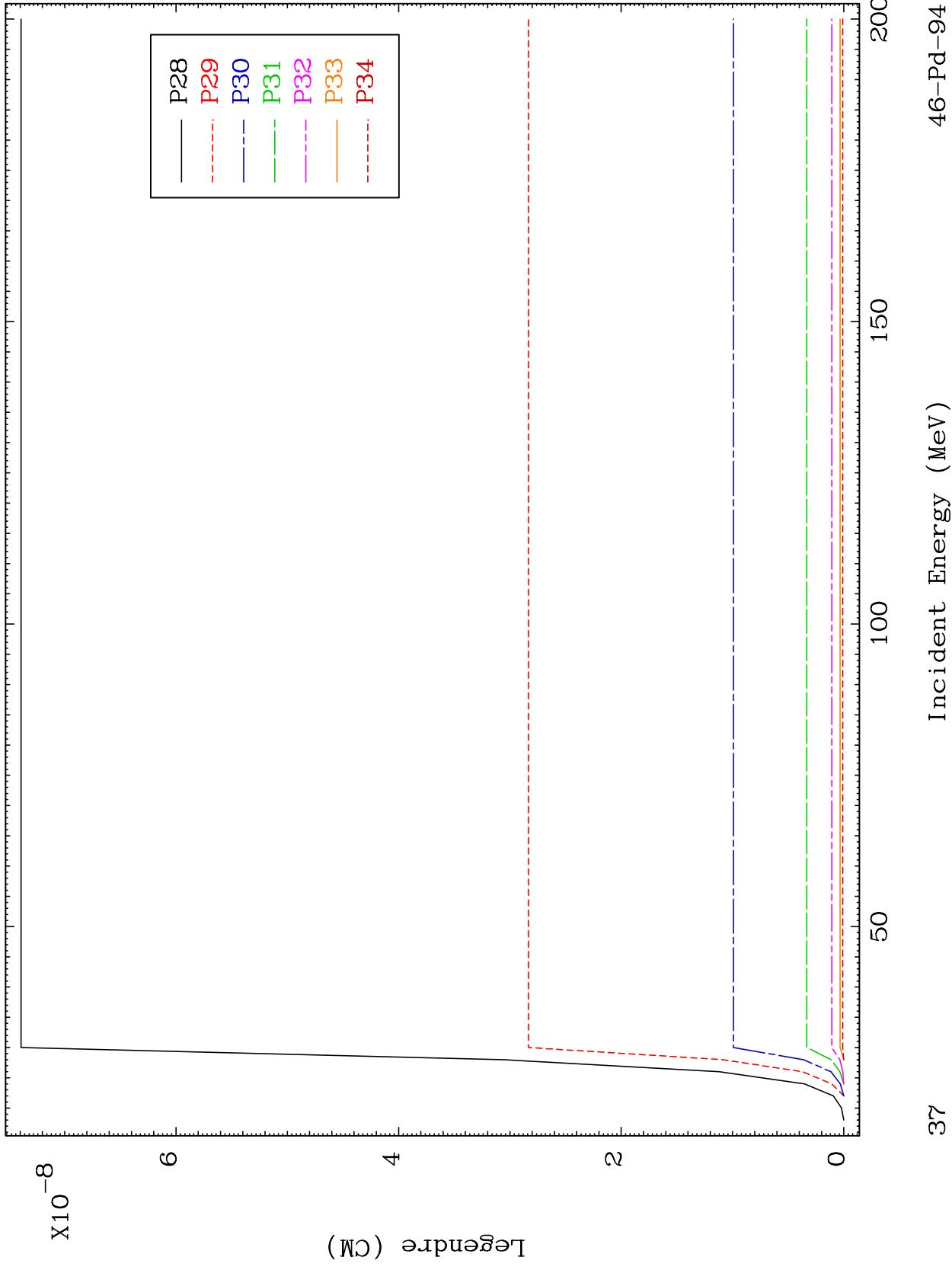
Incident Energy (MeV)

46-Pd-94

MAT 4601

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

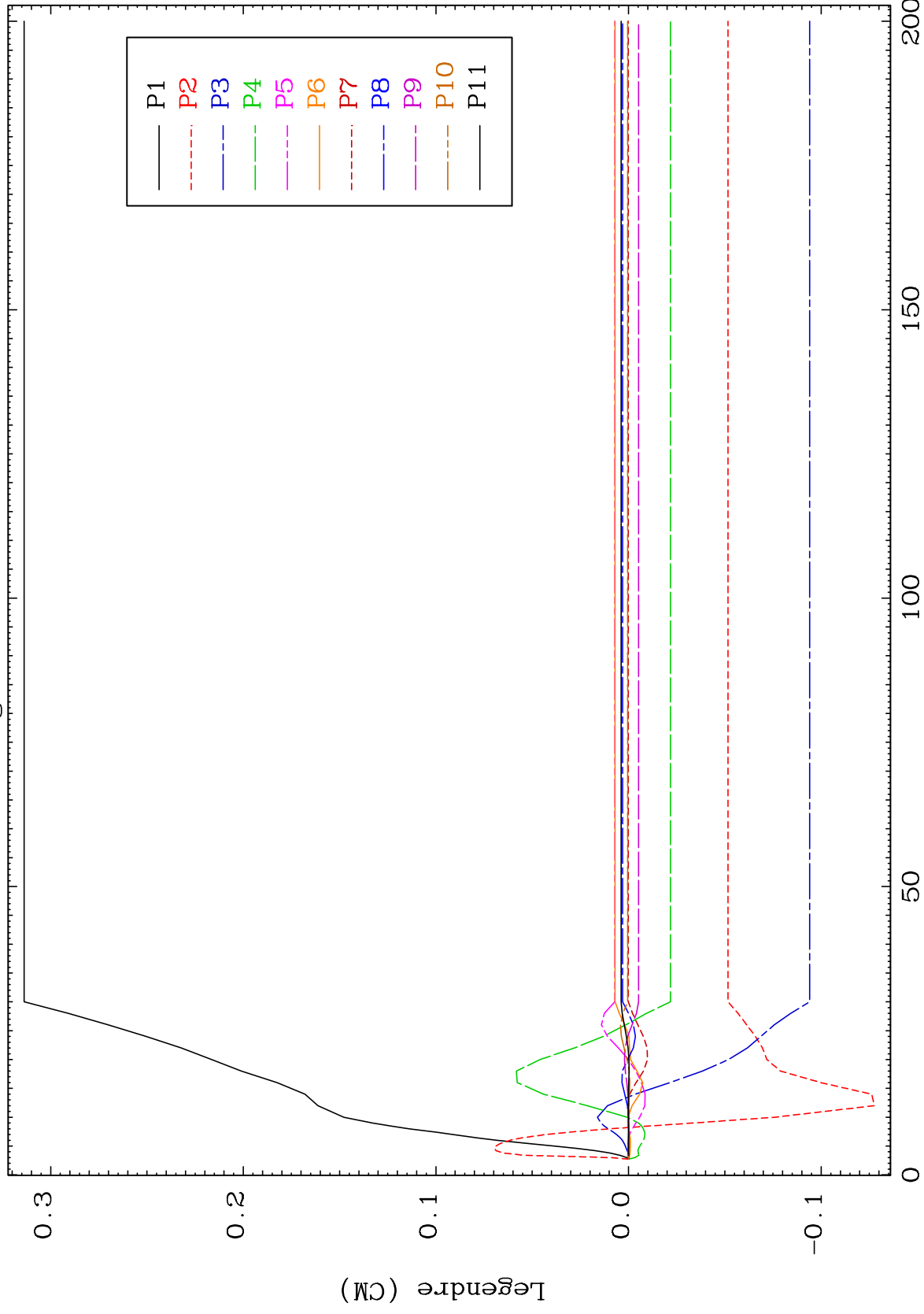
46-Pd-94



MAT 4601

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

46-Pd-94



38

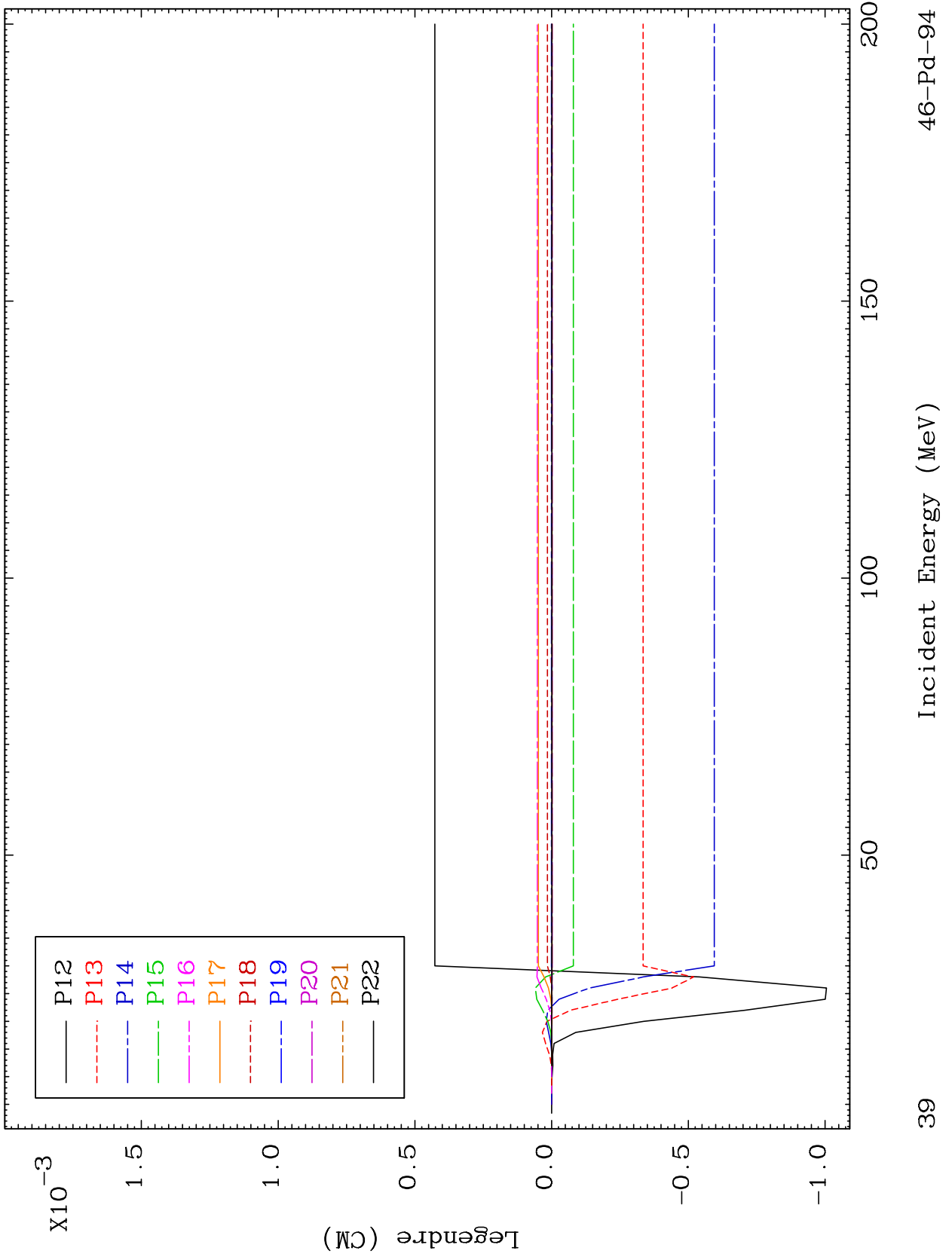
Incident Energy (MeV)

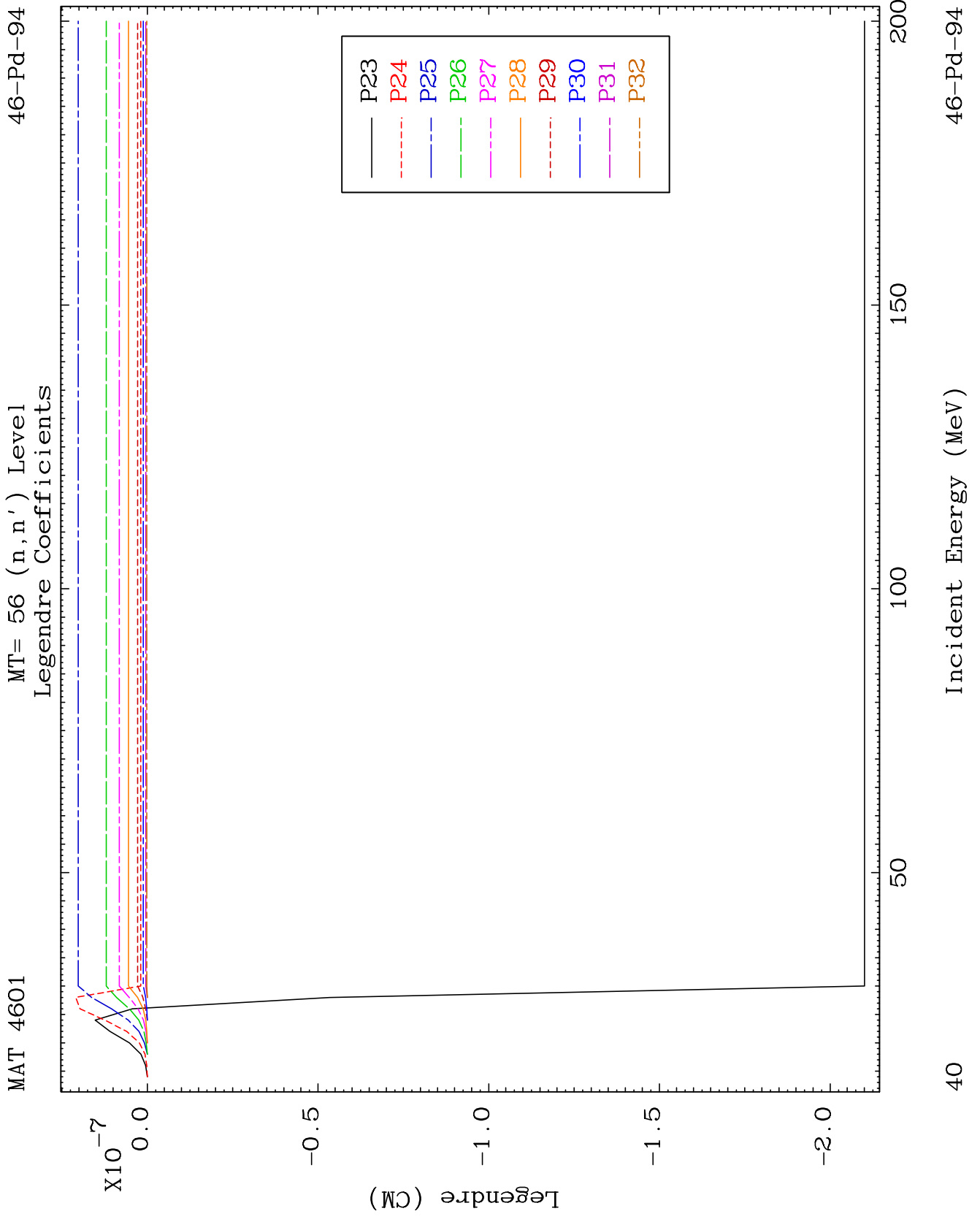
46-Pd-94

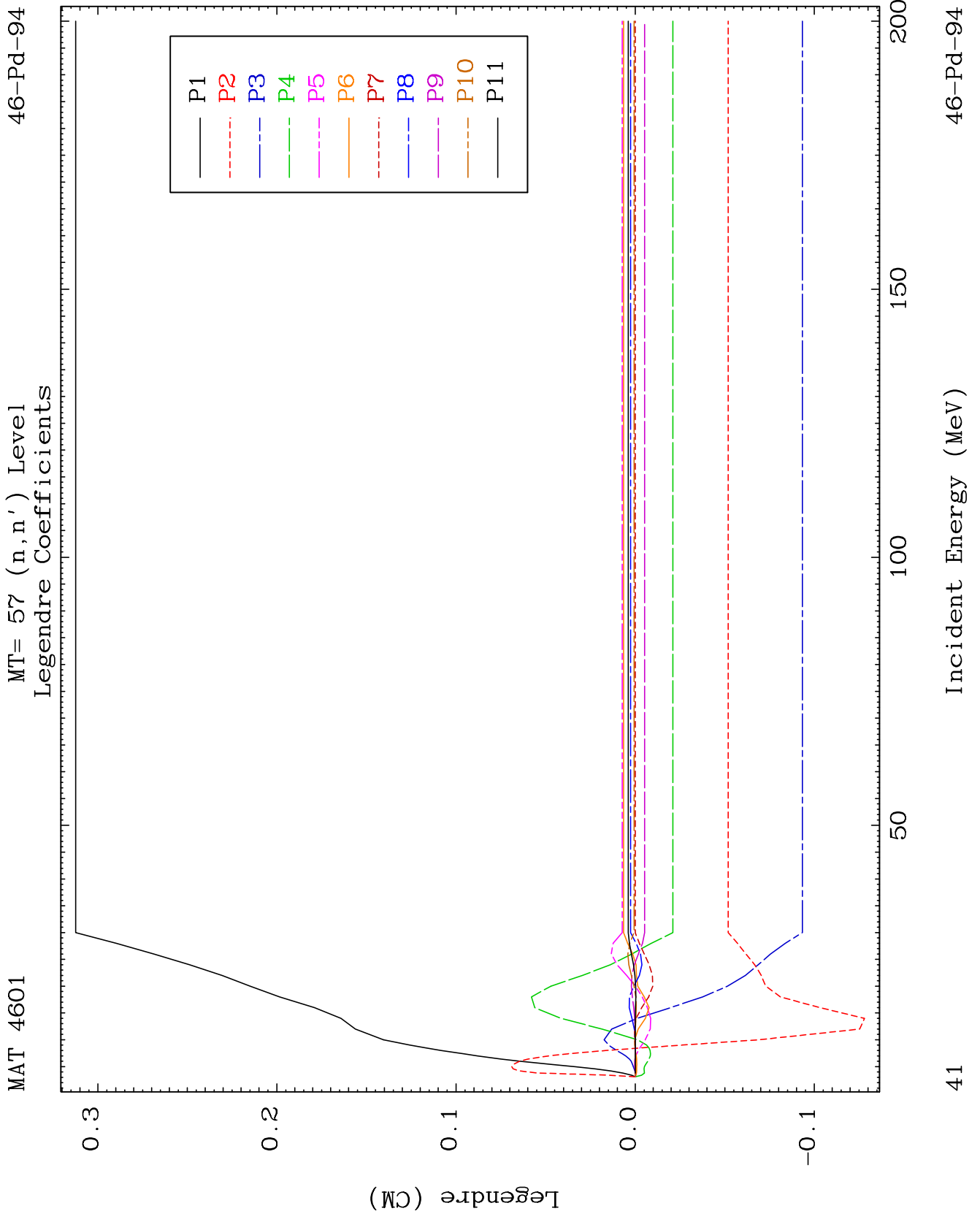
MAT 4601

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

46-Pd-94



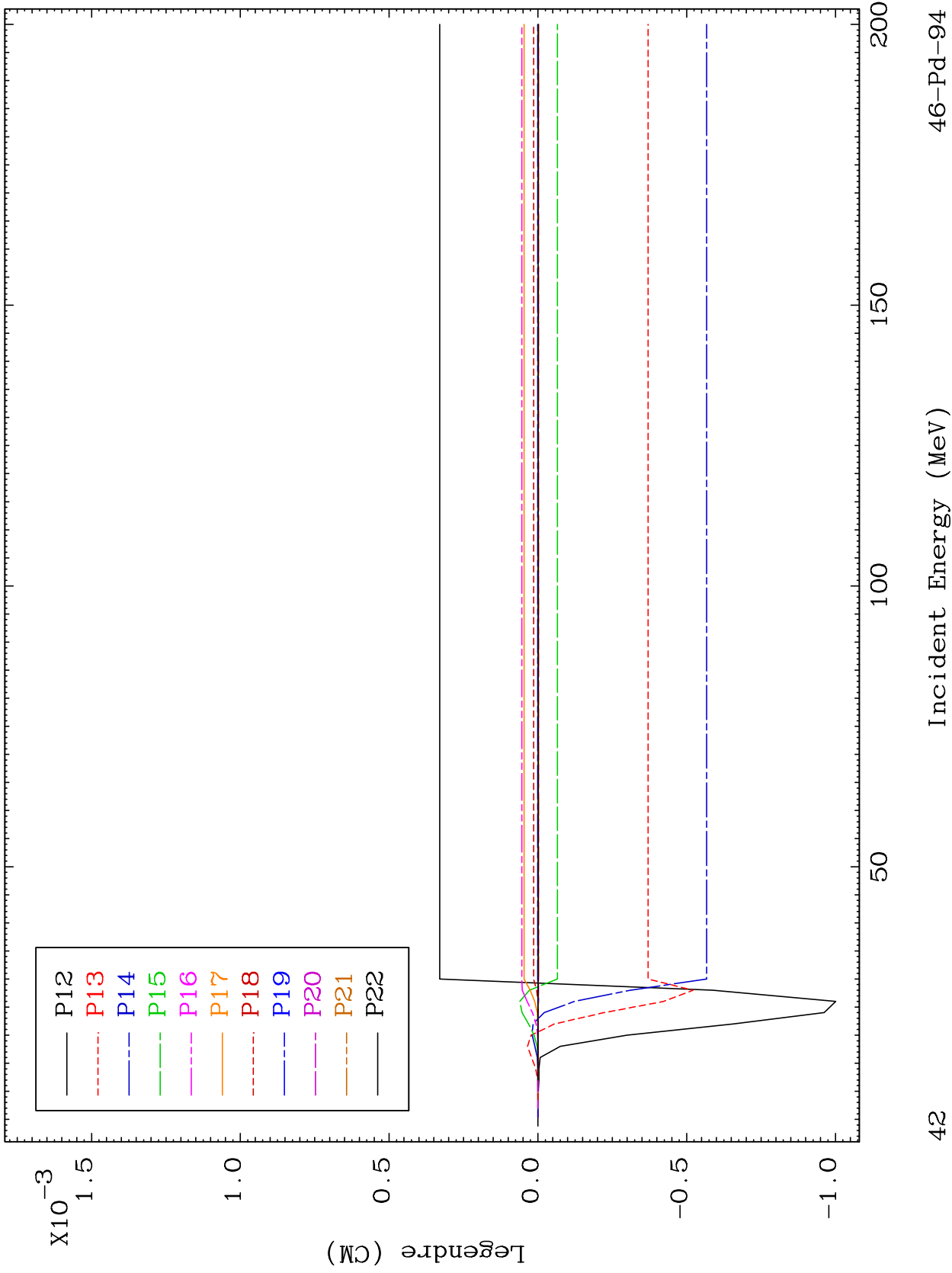




MAT 4601

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

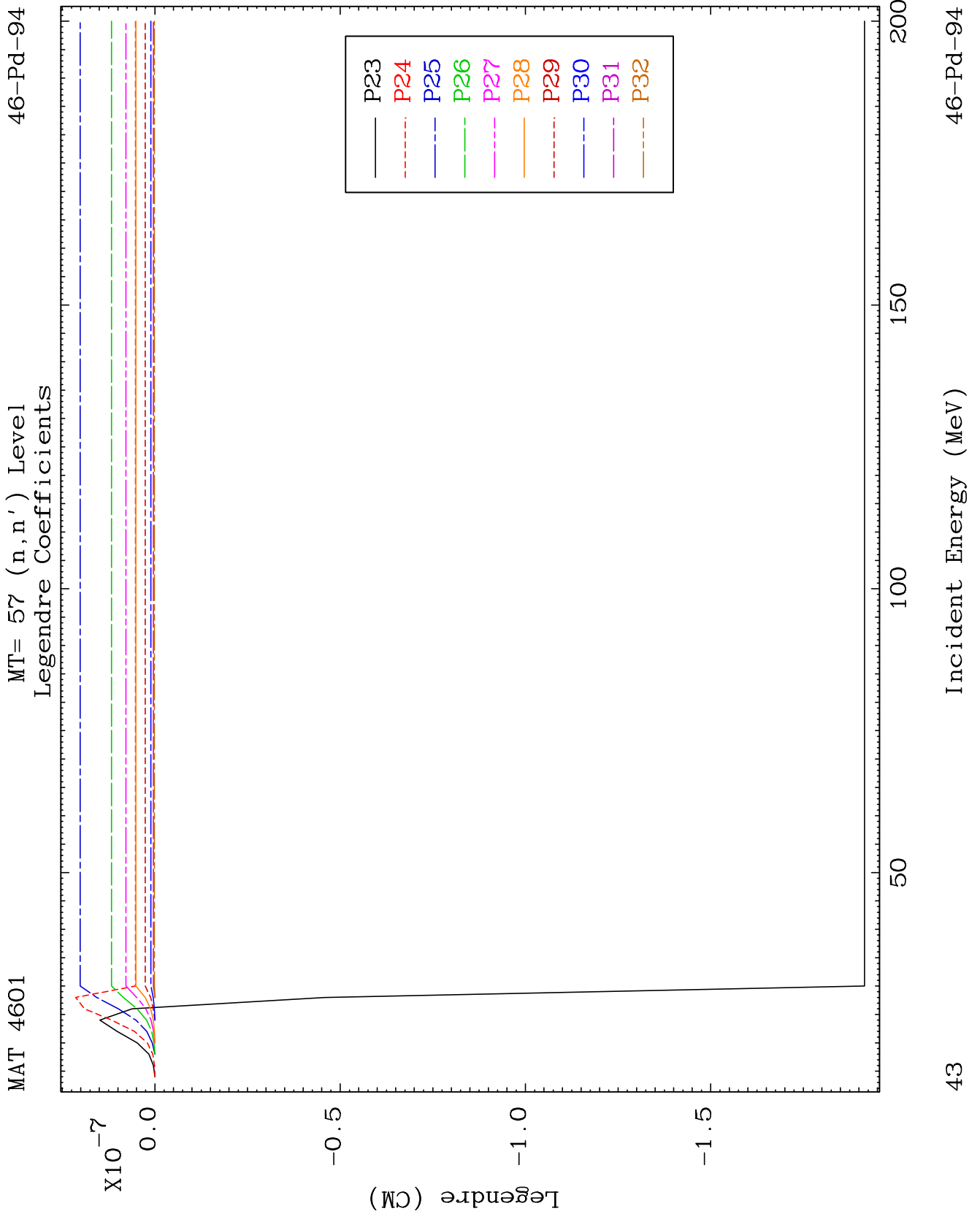
46-Pd-94



42

Incident Energy (MeV)

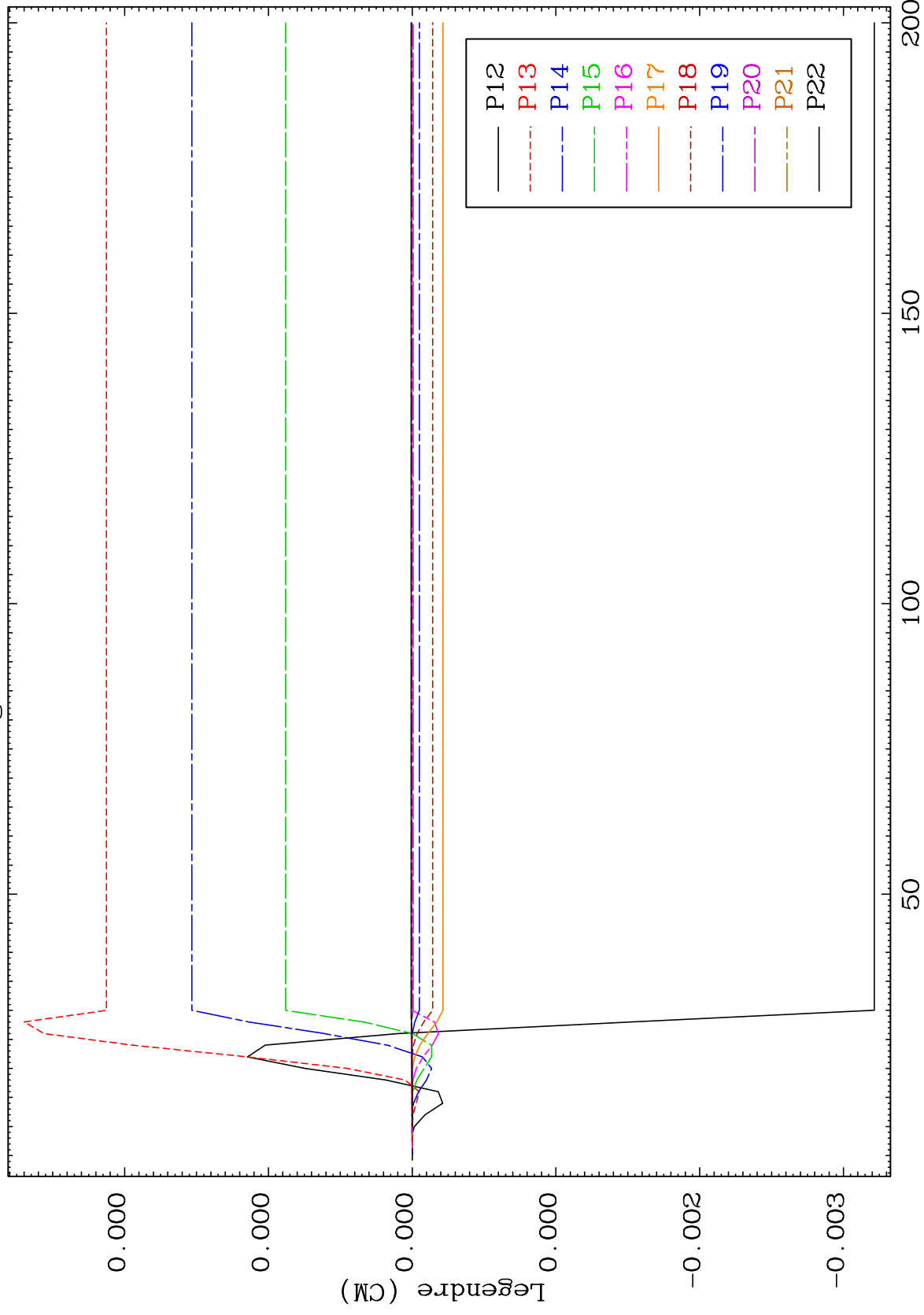
46-Pd-94



MAT 4601

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

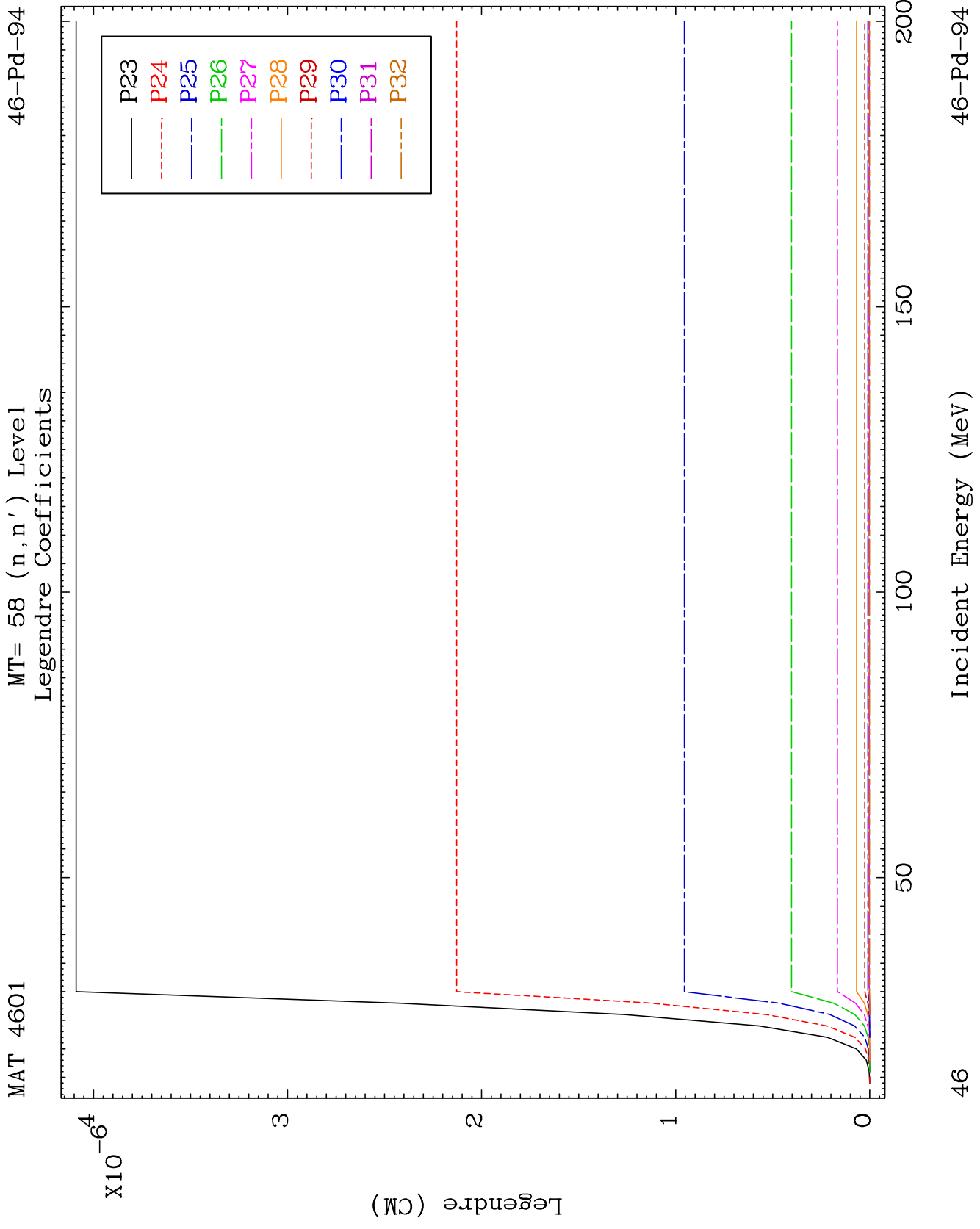
46-Pd-94

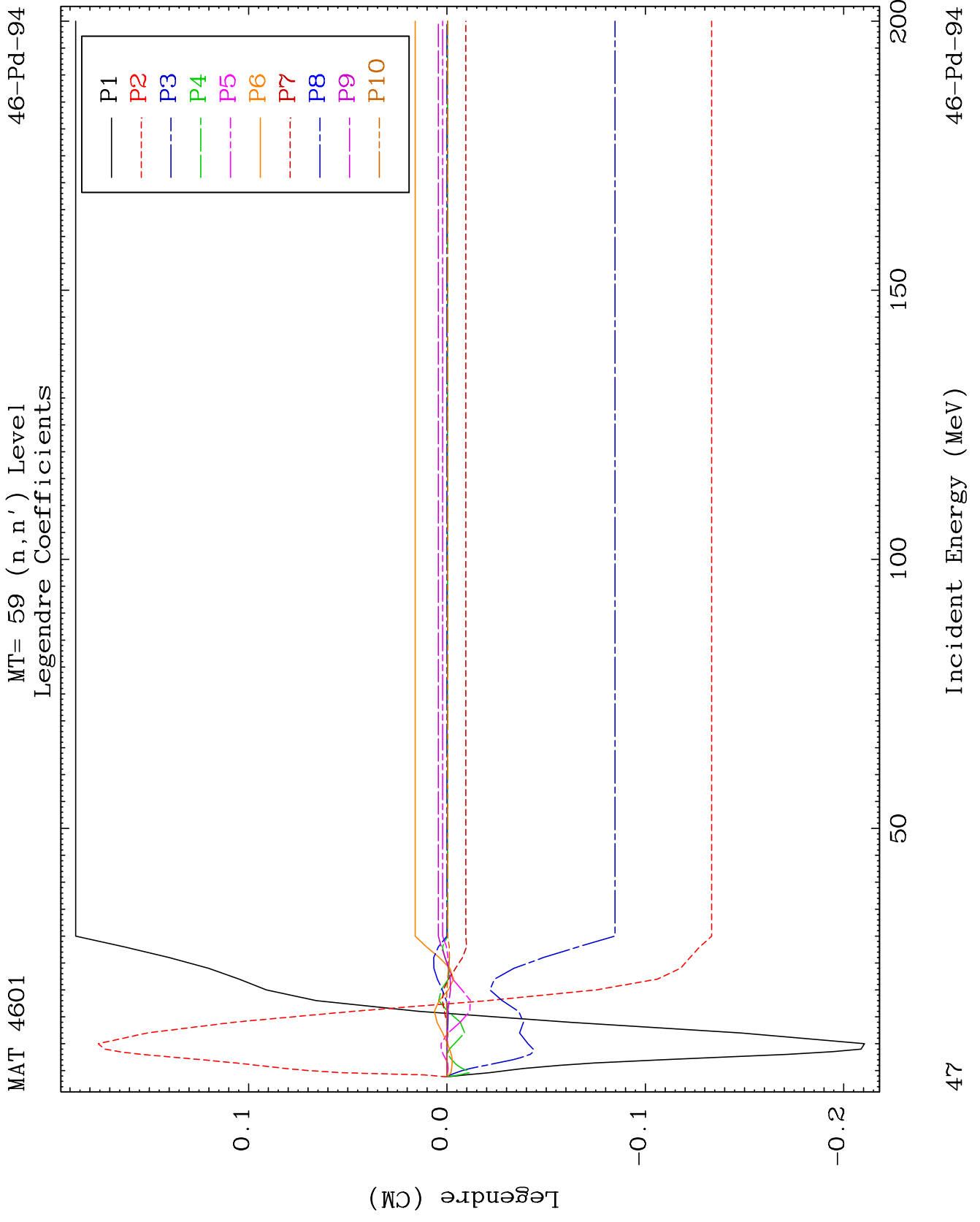


45

Incident Energy (MeV)

46-Pd-94

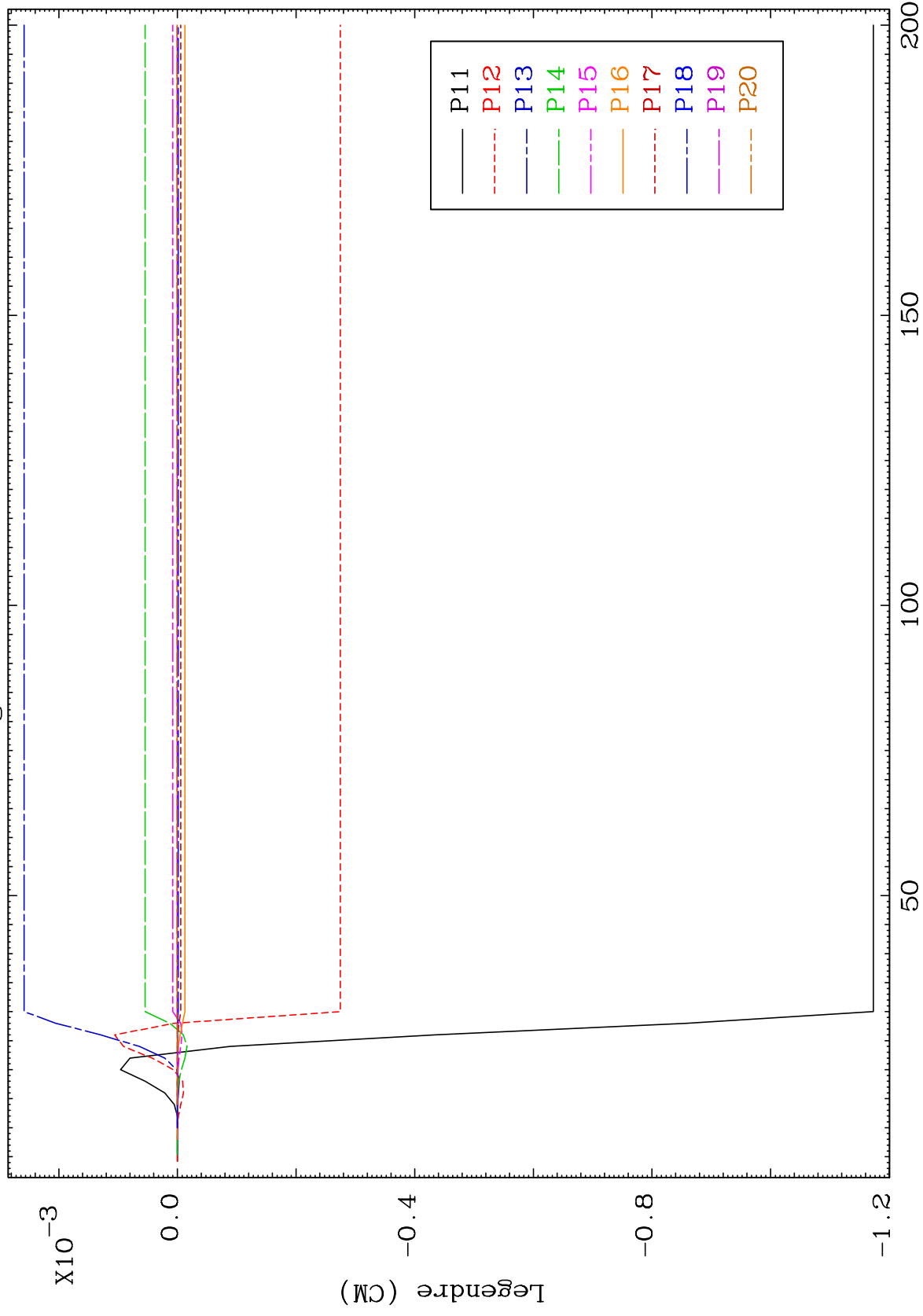




MAT 4601

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

46-Pd-94



48

Incident Energy (MeV)

46-Pd-94

MAT 4601

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

46-Pd-94

$\times 10^{-7}$

1.0

0.8

0.6

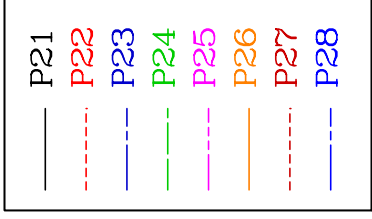
0.4

0.2

0.0

-0.2

Legendre (CM)



50

100

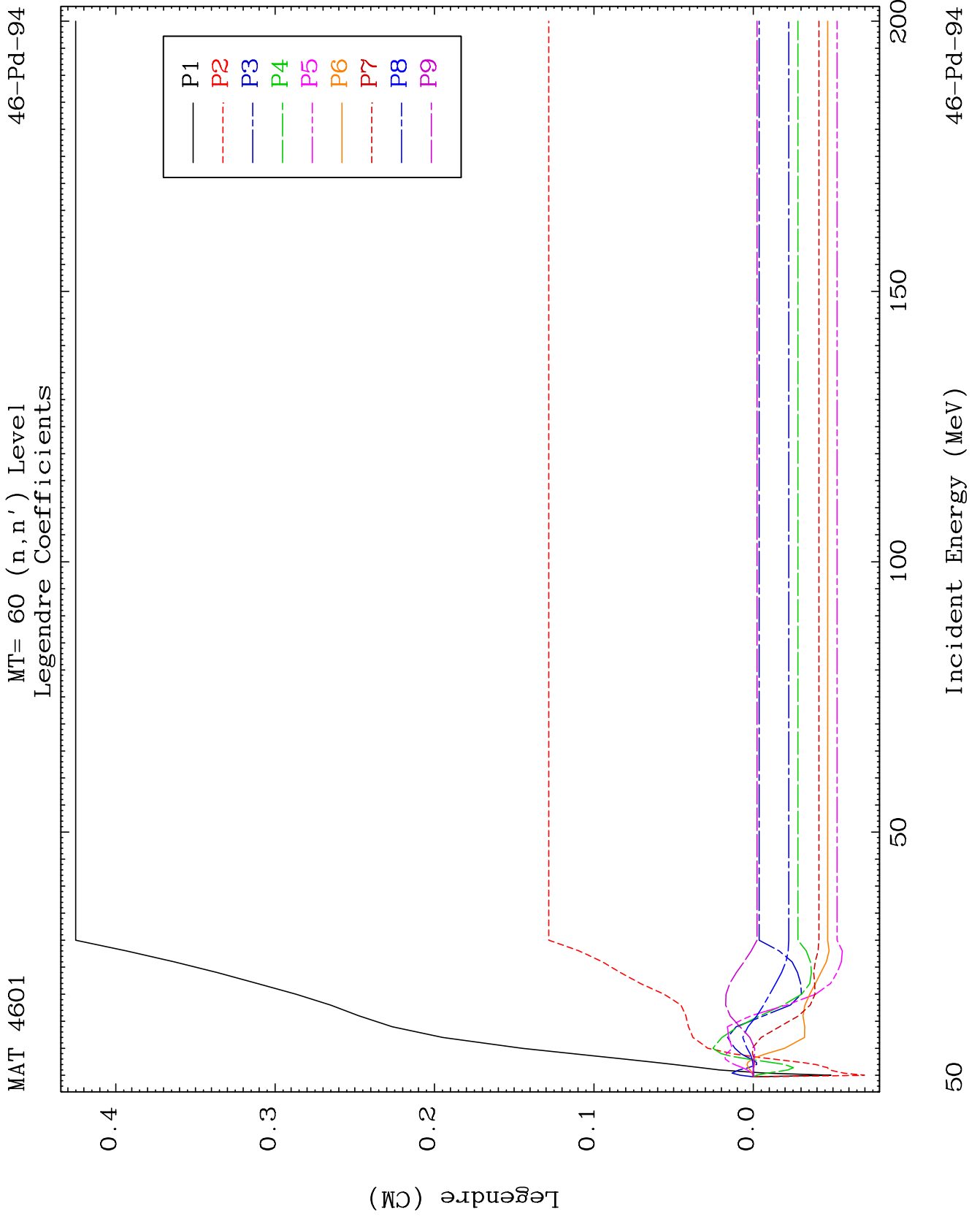
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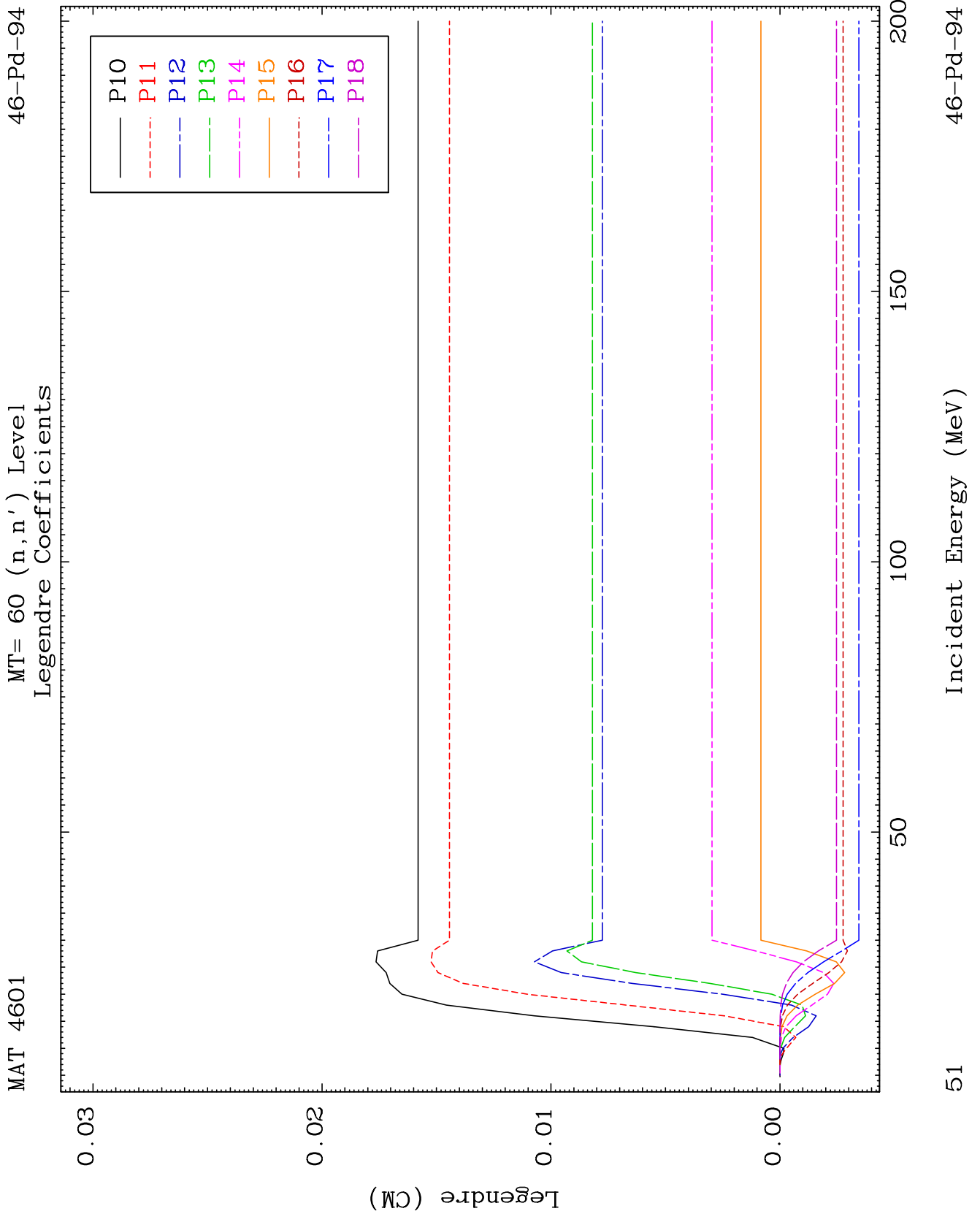
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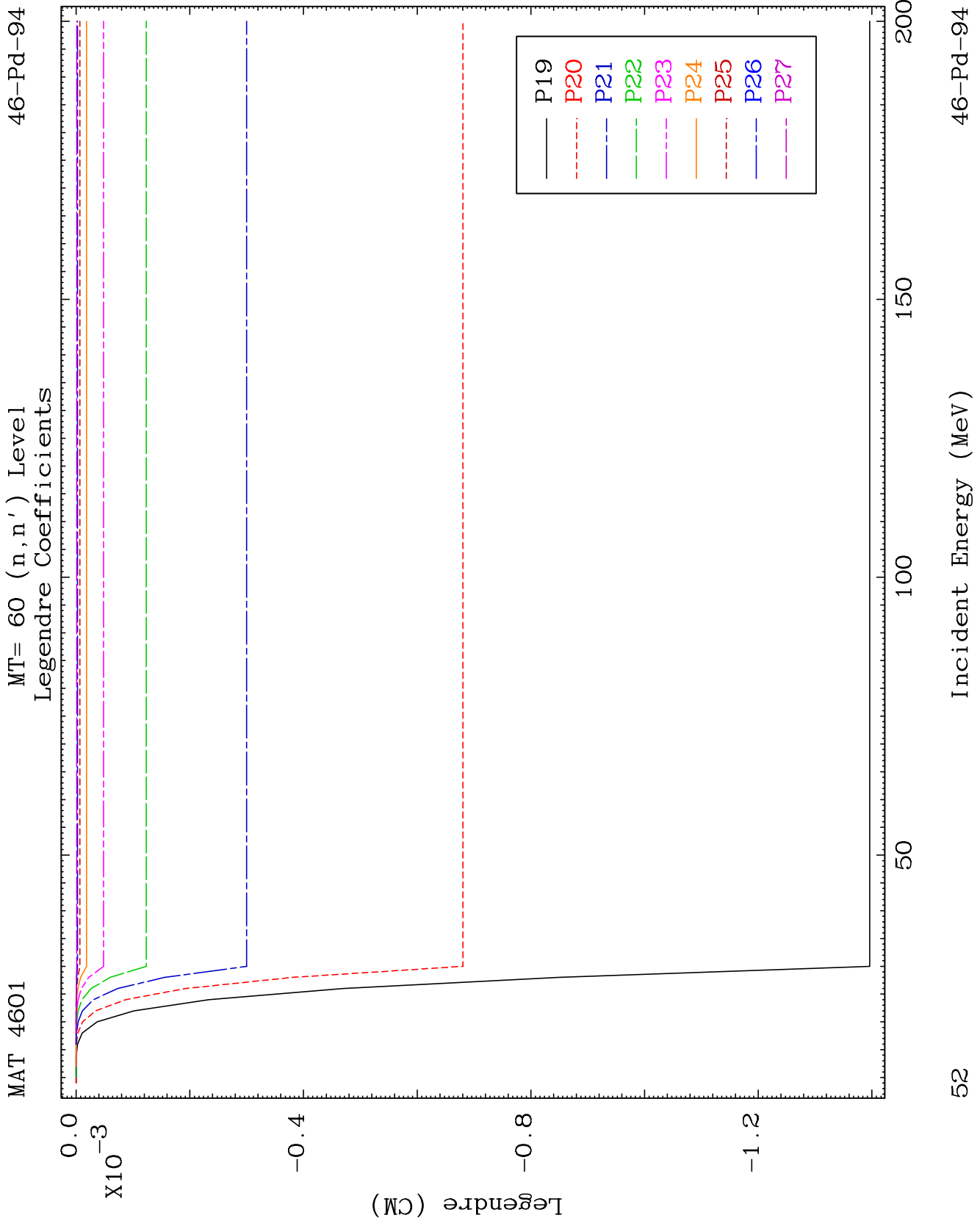
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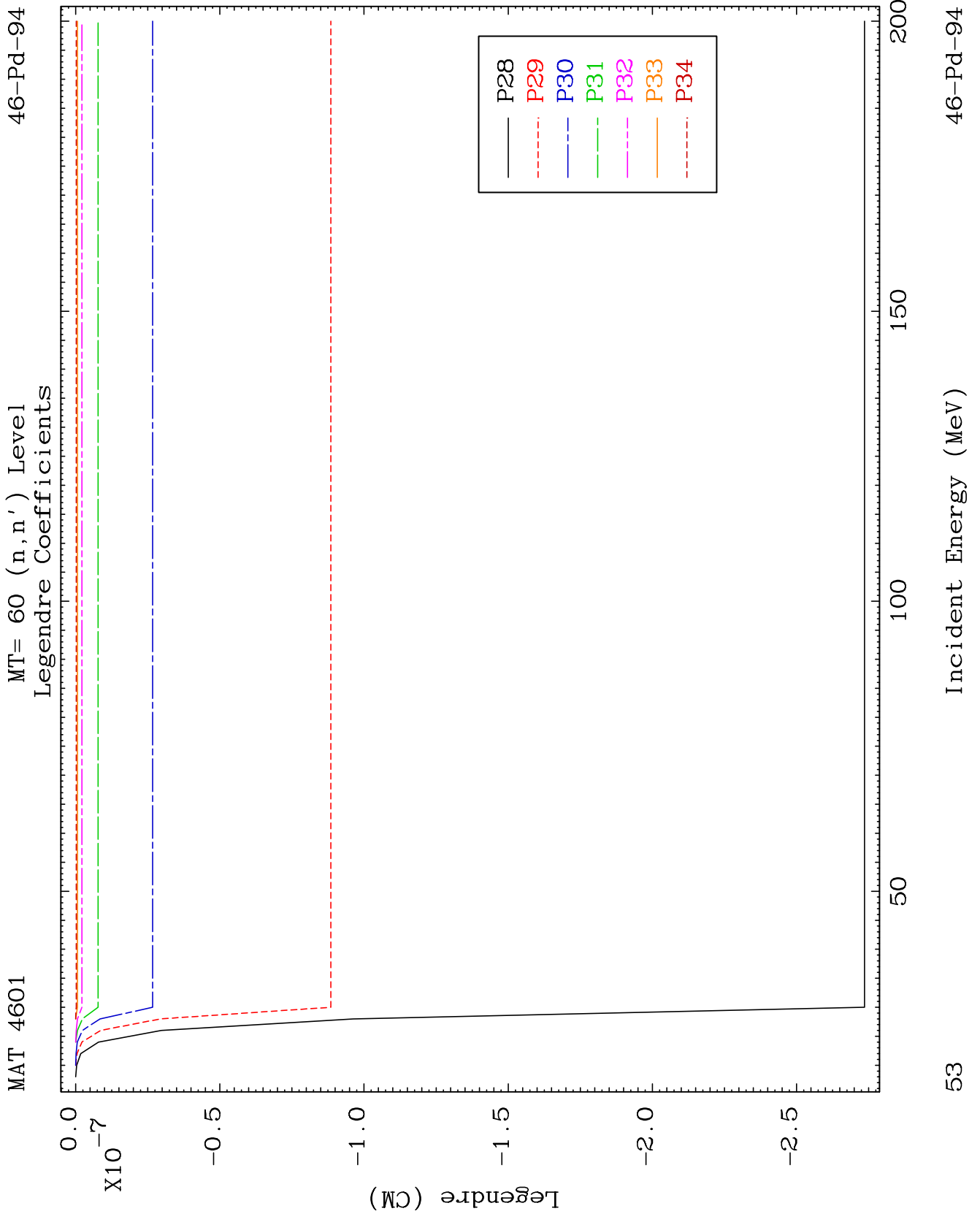
Incident Energy (MeV)

46-Pd-94

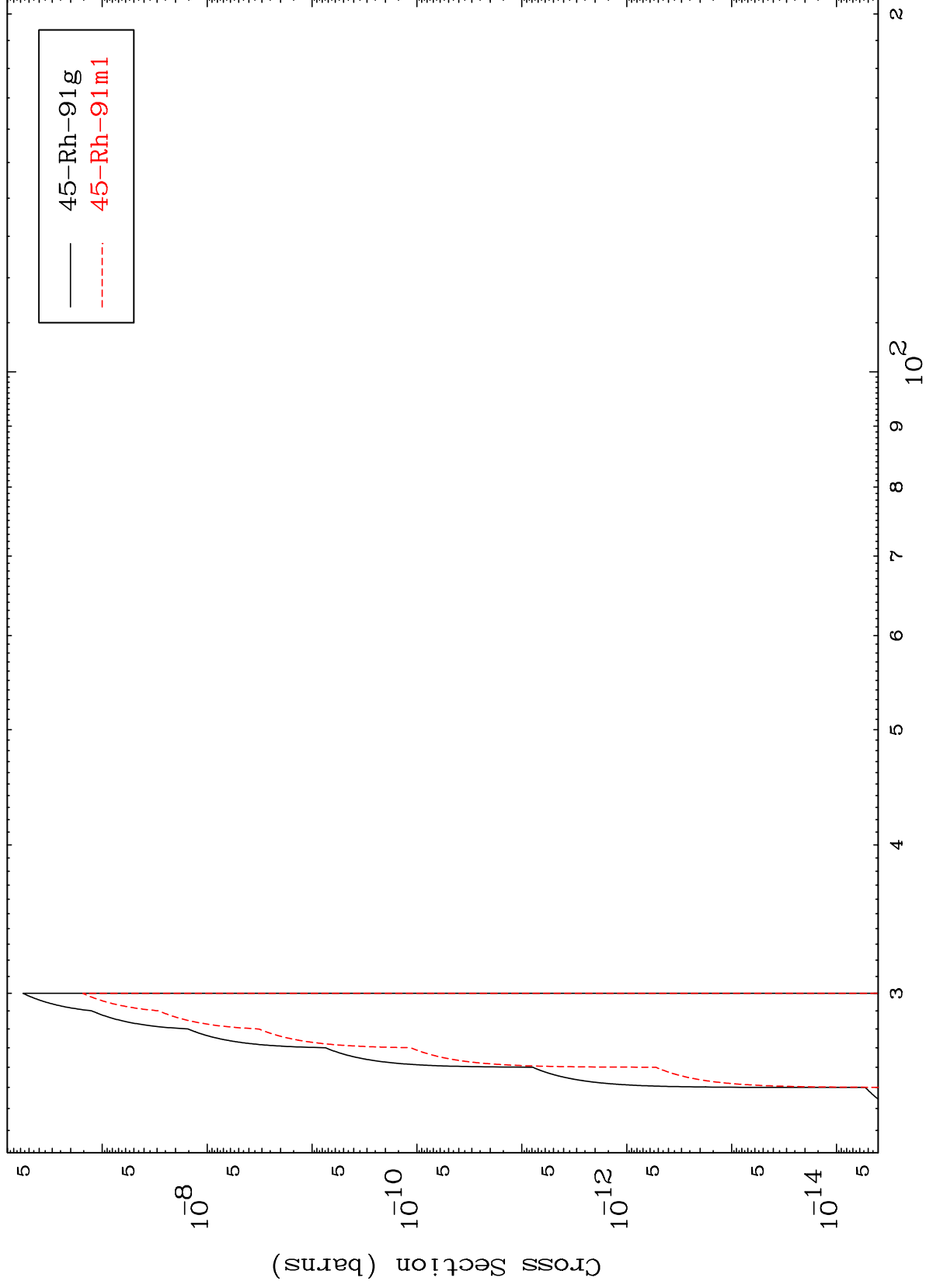








Radionuclide Production Cross Section

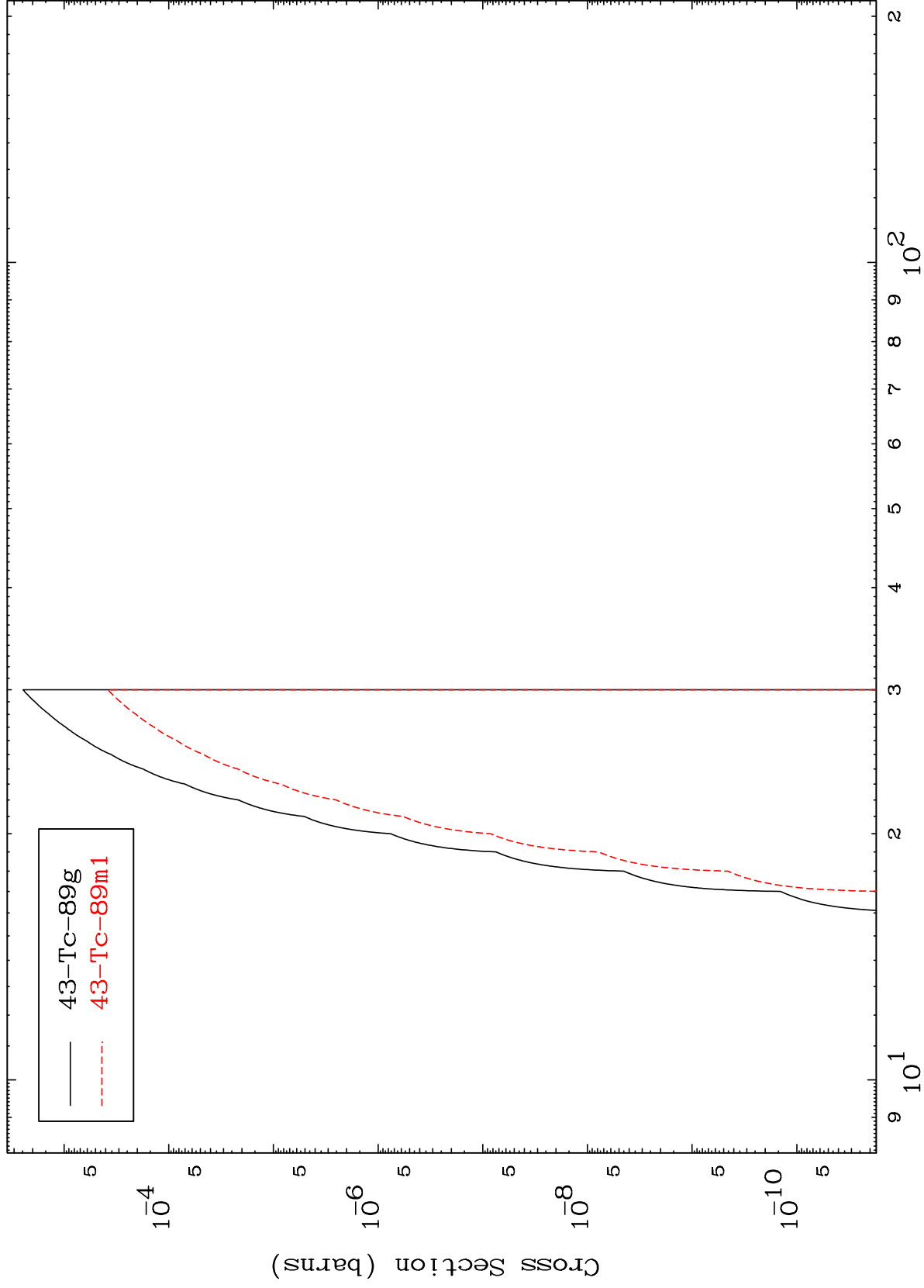


MAT 4601

(n,n') p α

46-Pd-94

Radionuclide Production Cross Section



55

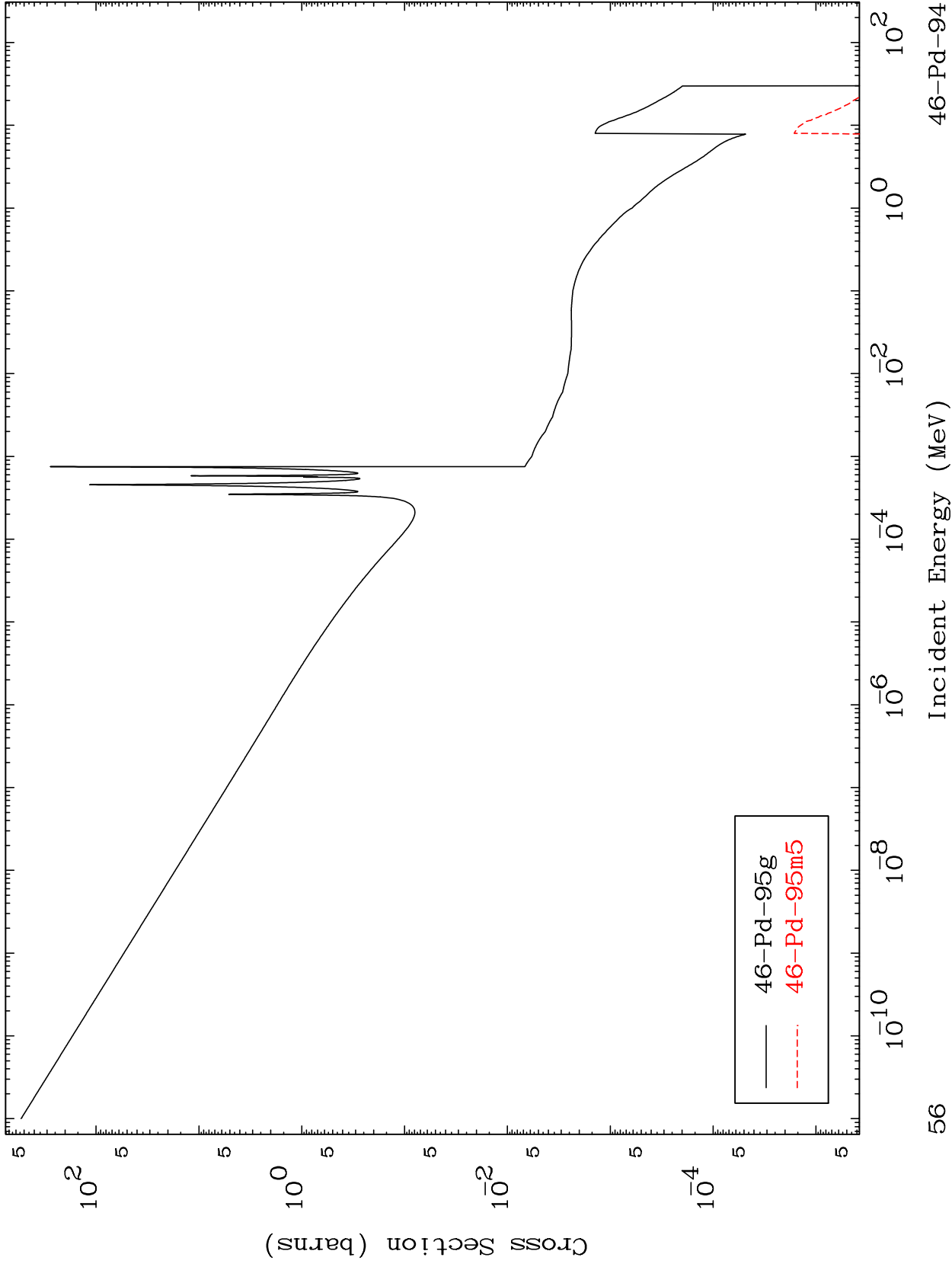
Incident Energy (MeV)

46-Pd-94

MAT 4601

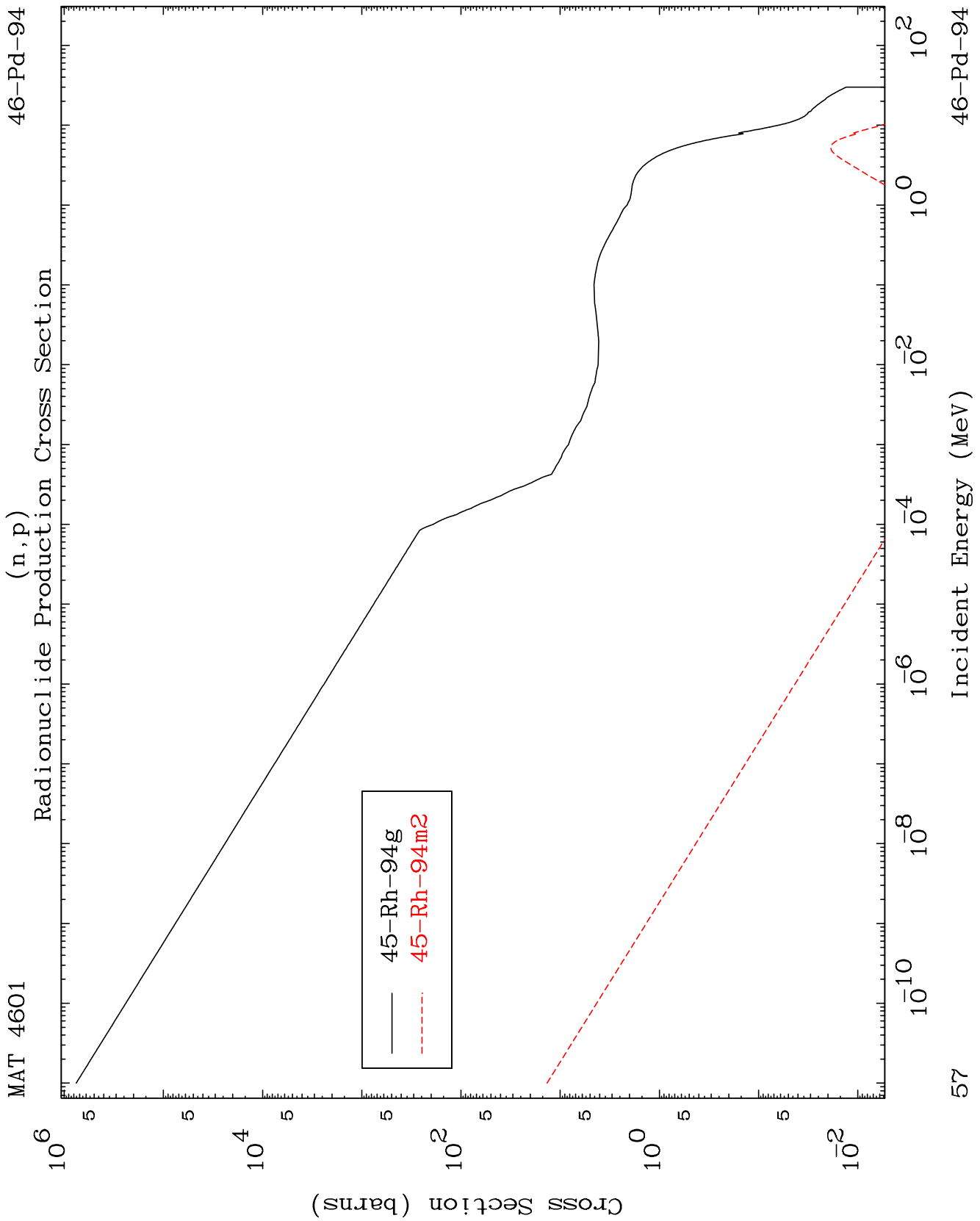
46-Pd-94

(n, γ)
Radionuclide Production Cross Section



56

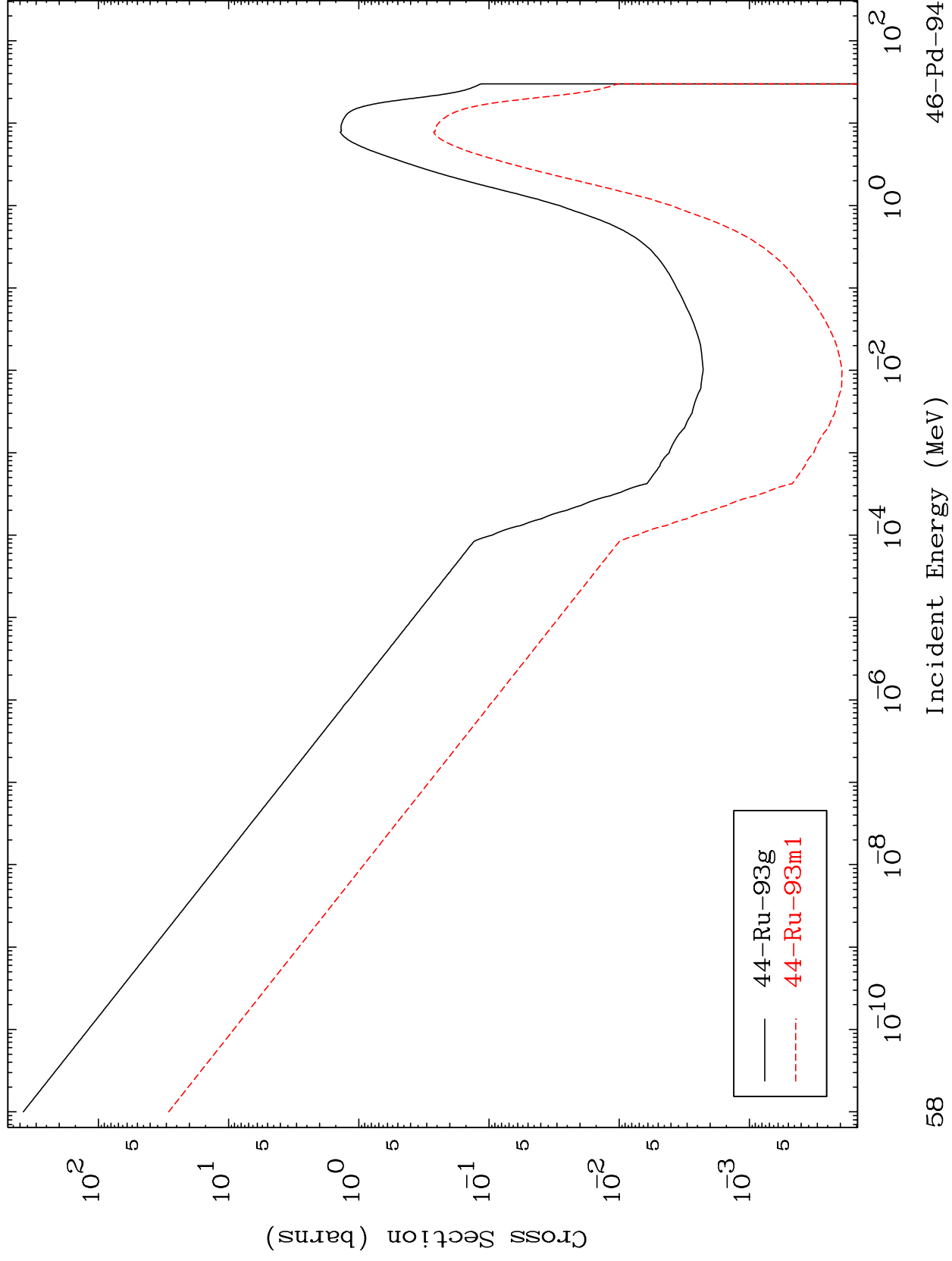
46-Pd-94



MAT 4601

46-Pd-94

(n,2p)
Radionuclide Production Cross Section

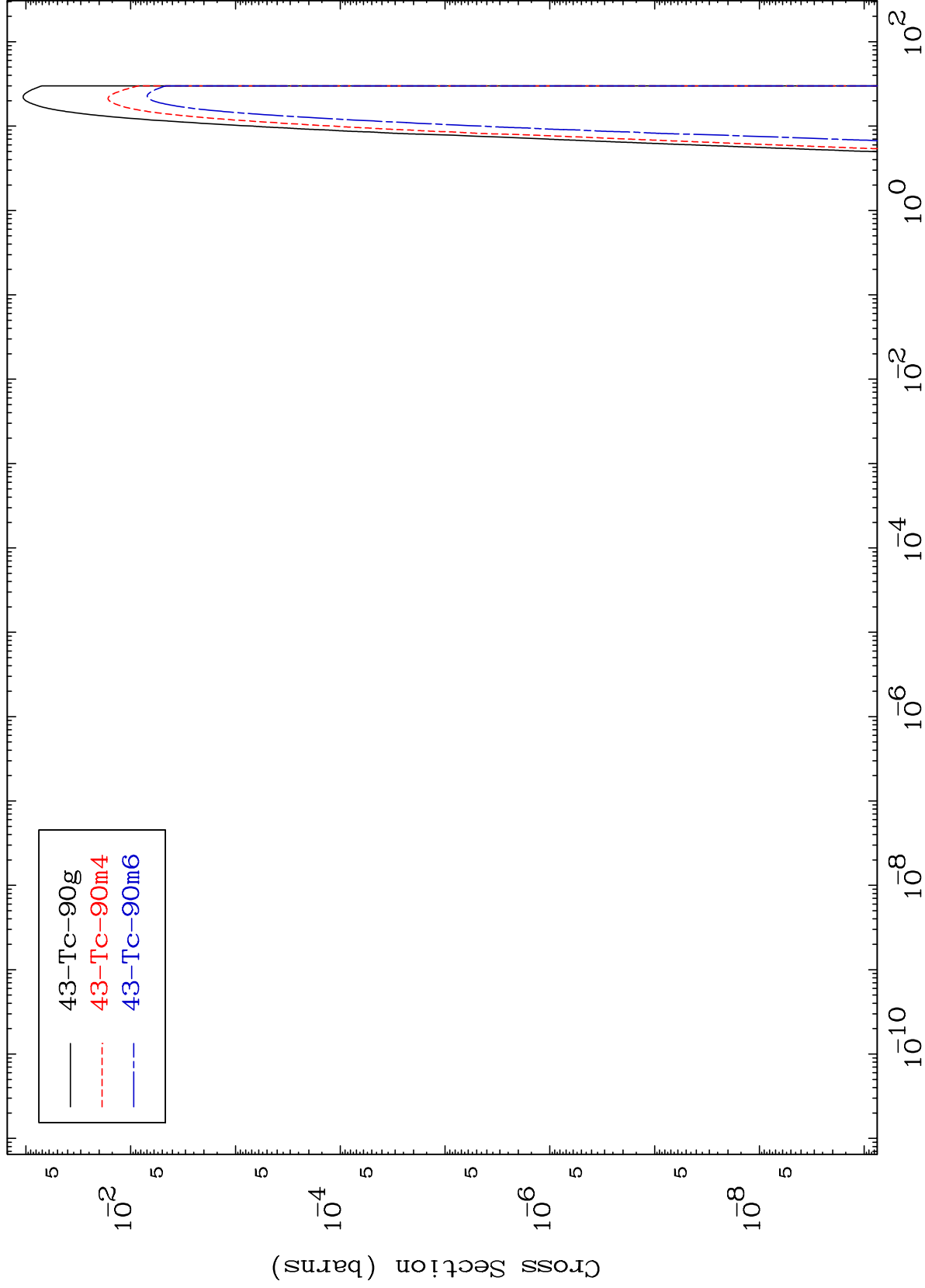


MAT 4601

(n,p) α

46-Pd-94

Radionuclide Production Cross Section



59

Incident Energy (MeV)

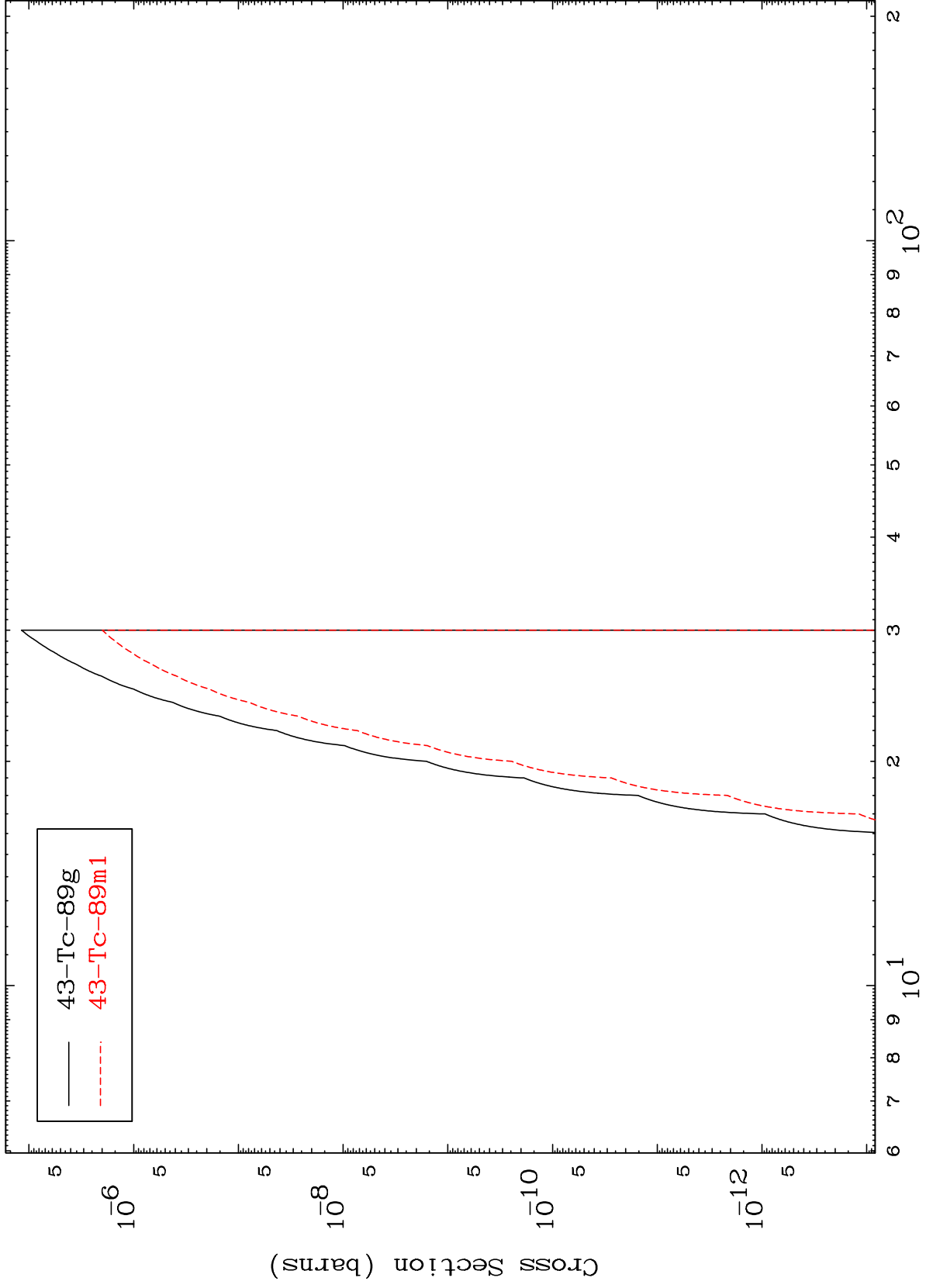
46-Pd-94

MAT 4601

(n,d) α

46-Pd-94

Radionuclide Production Cross Section



60

Incident Energy (MeV)

46-Pd-94