

Program EVALPLOT
(Version 2017-1)

by

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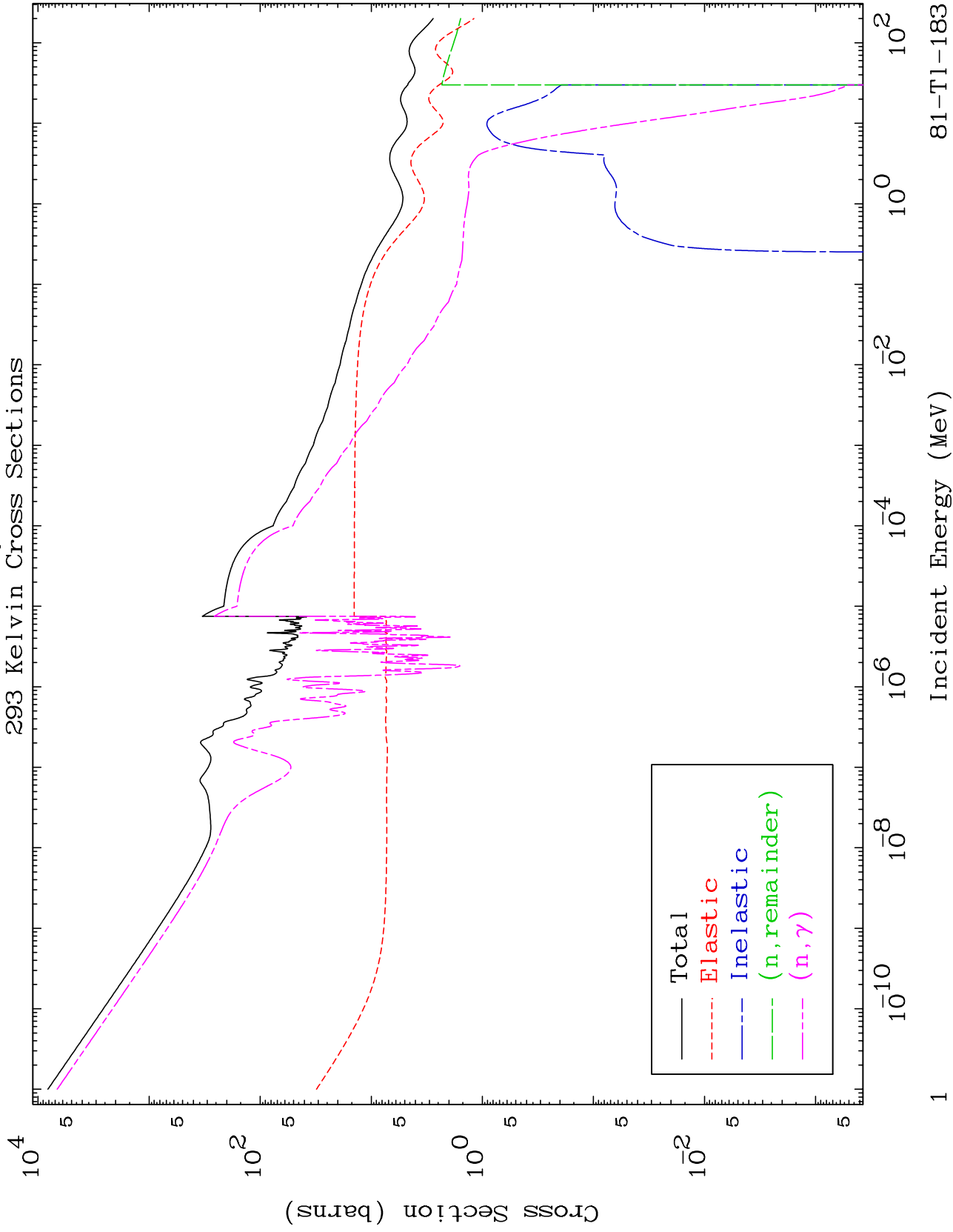
Press Mouse Button to Start

MAT 8065

Major

293 Kelvin Cross Sections

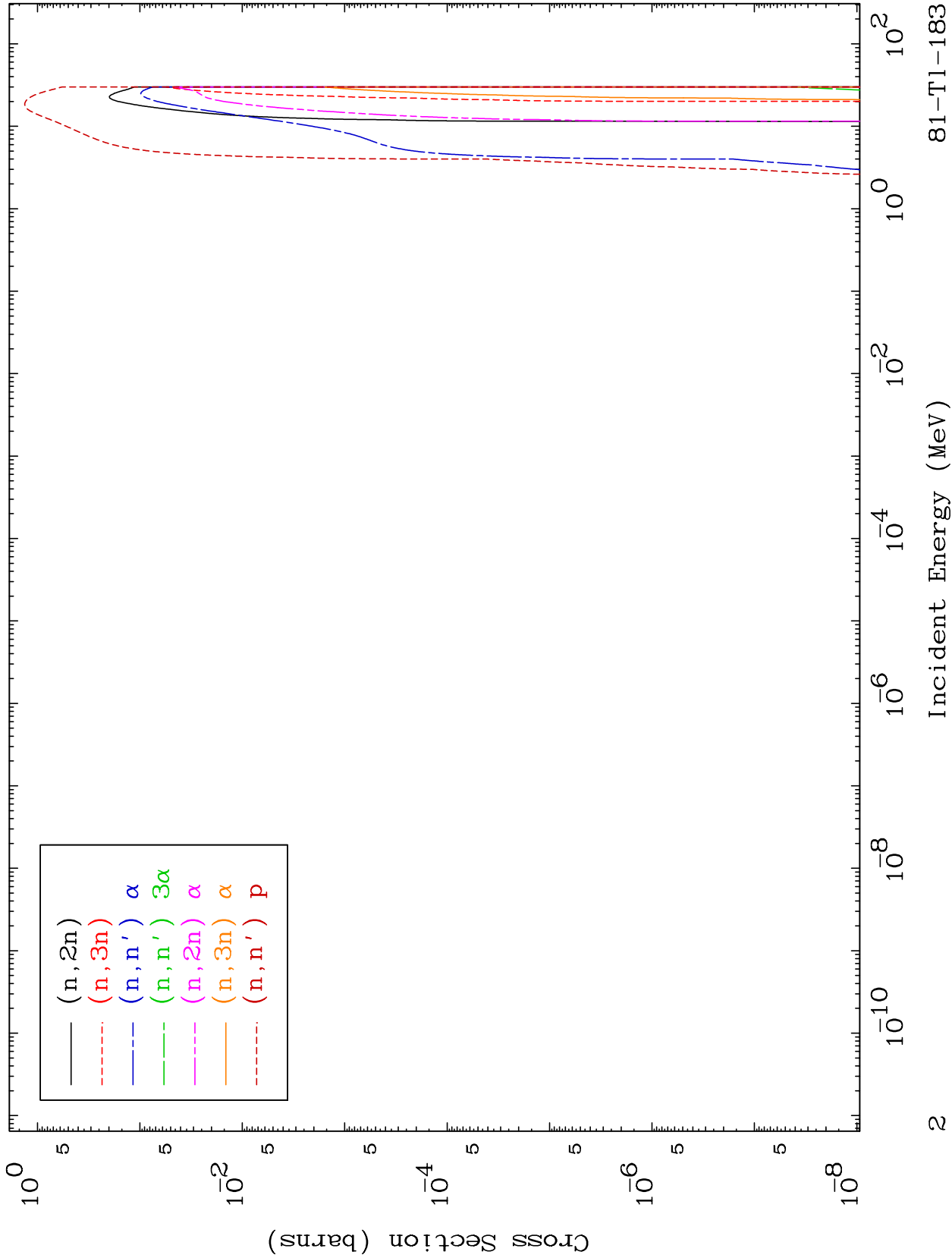
81-Tl-183



MAT 8065

Neutron Production
293 Kelvin Cross Sections

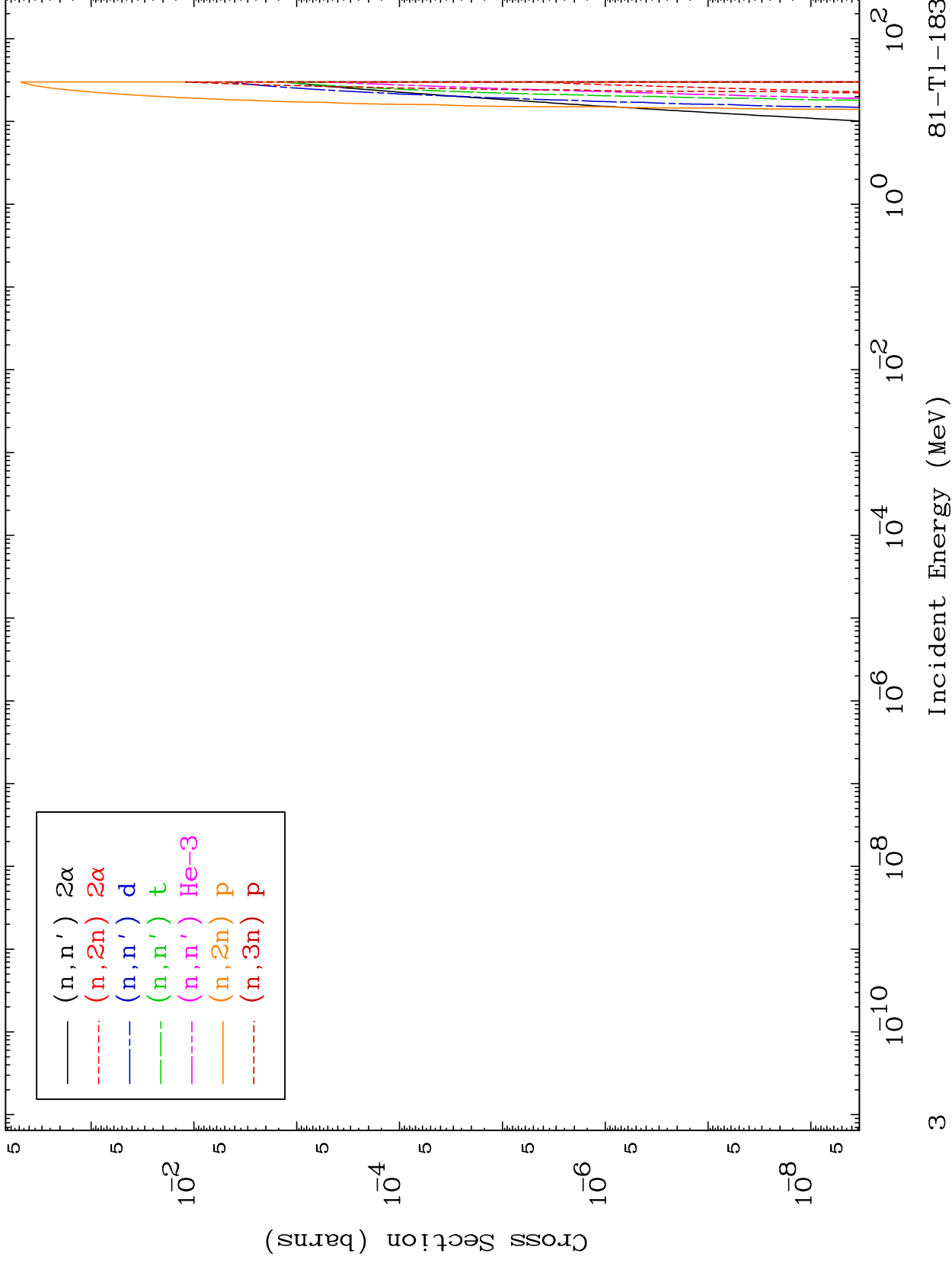
81-Tl-183



MAT 8065

Neutron Production
293 Kelvin Cross Sections

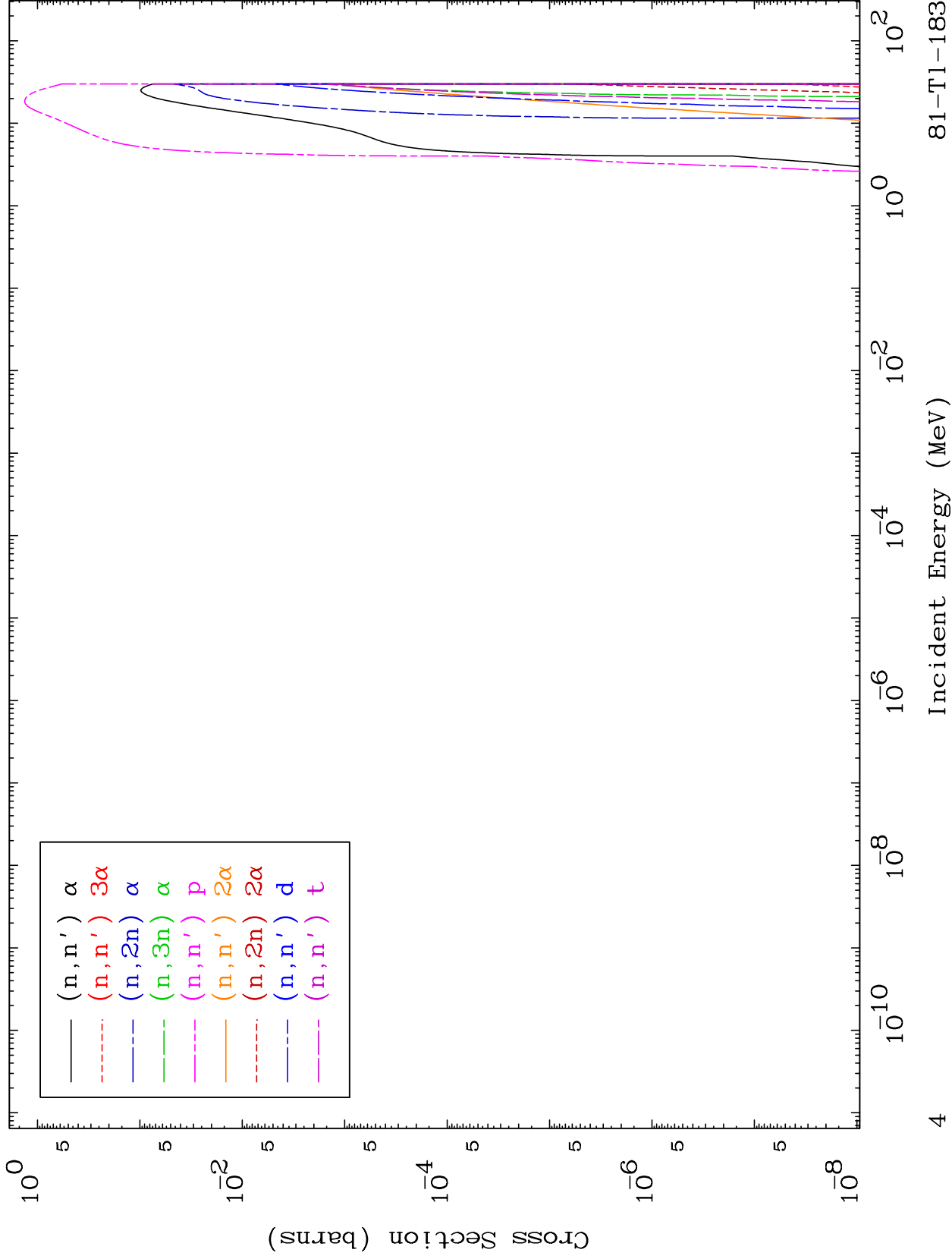
81-Tl-183



MAT 8065

Charged Particle
293 Kelvin Cross Sections

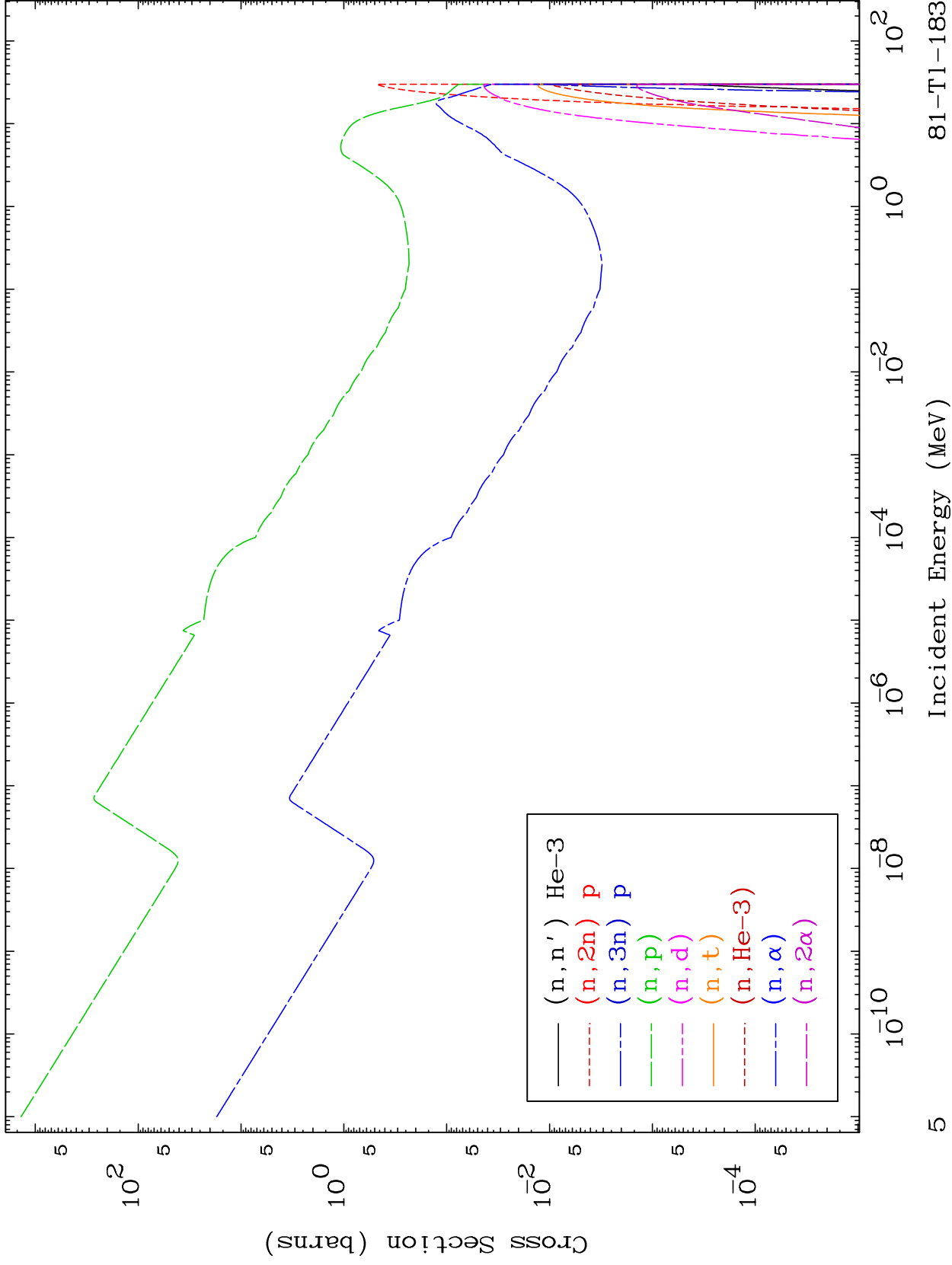
81-Tl-183



MAT 8065

Charged Particle
293 Kelvin Cross Sections

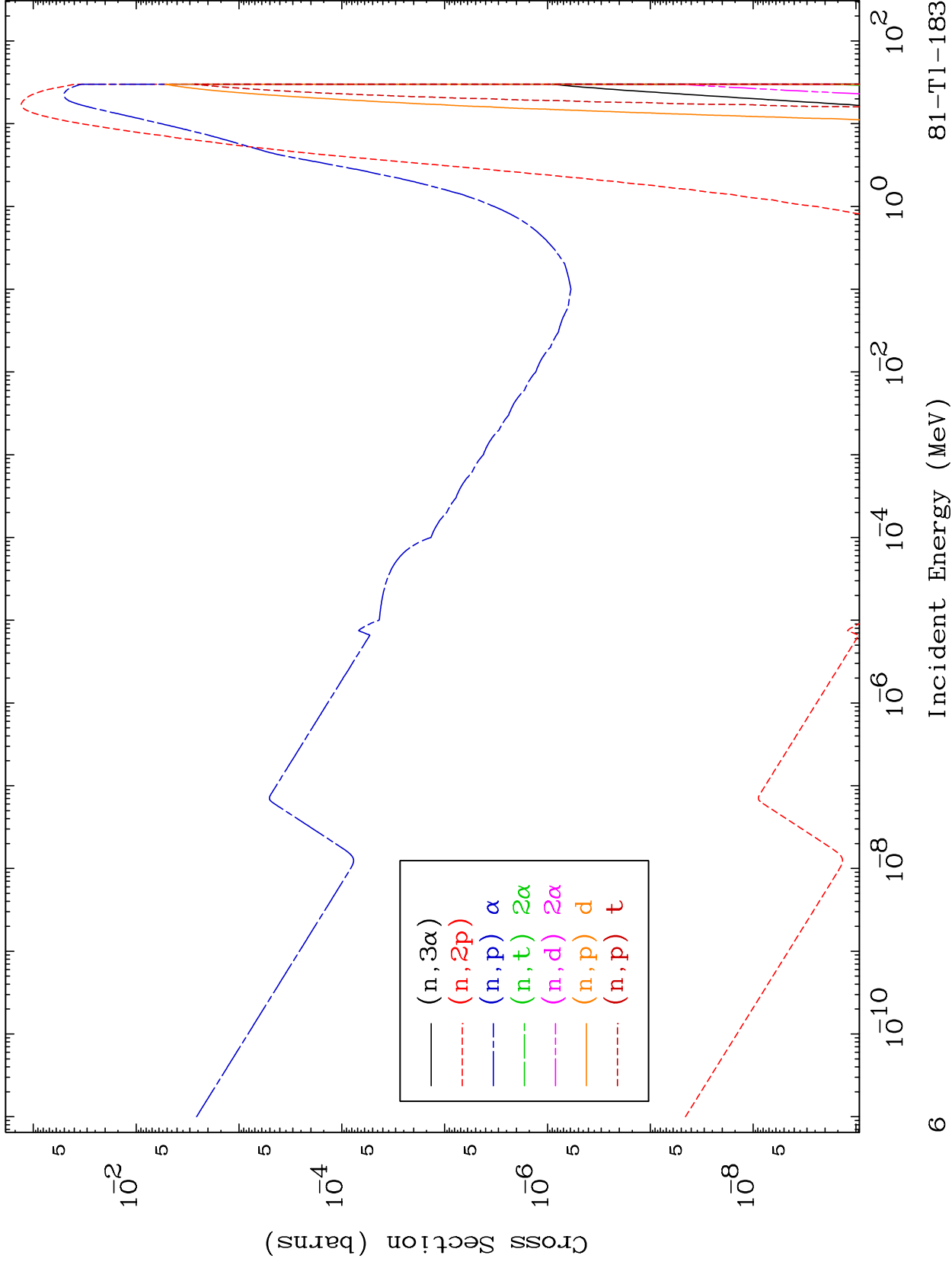
81-Tl-183

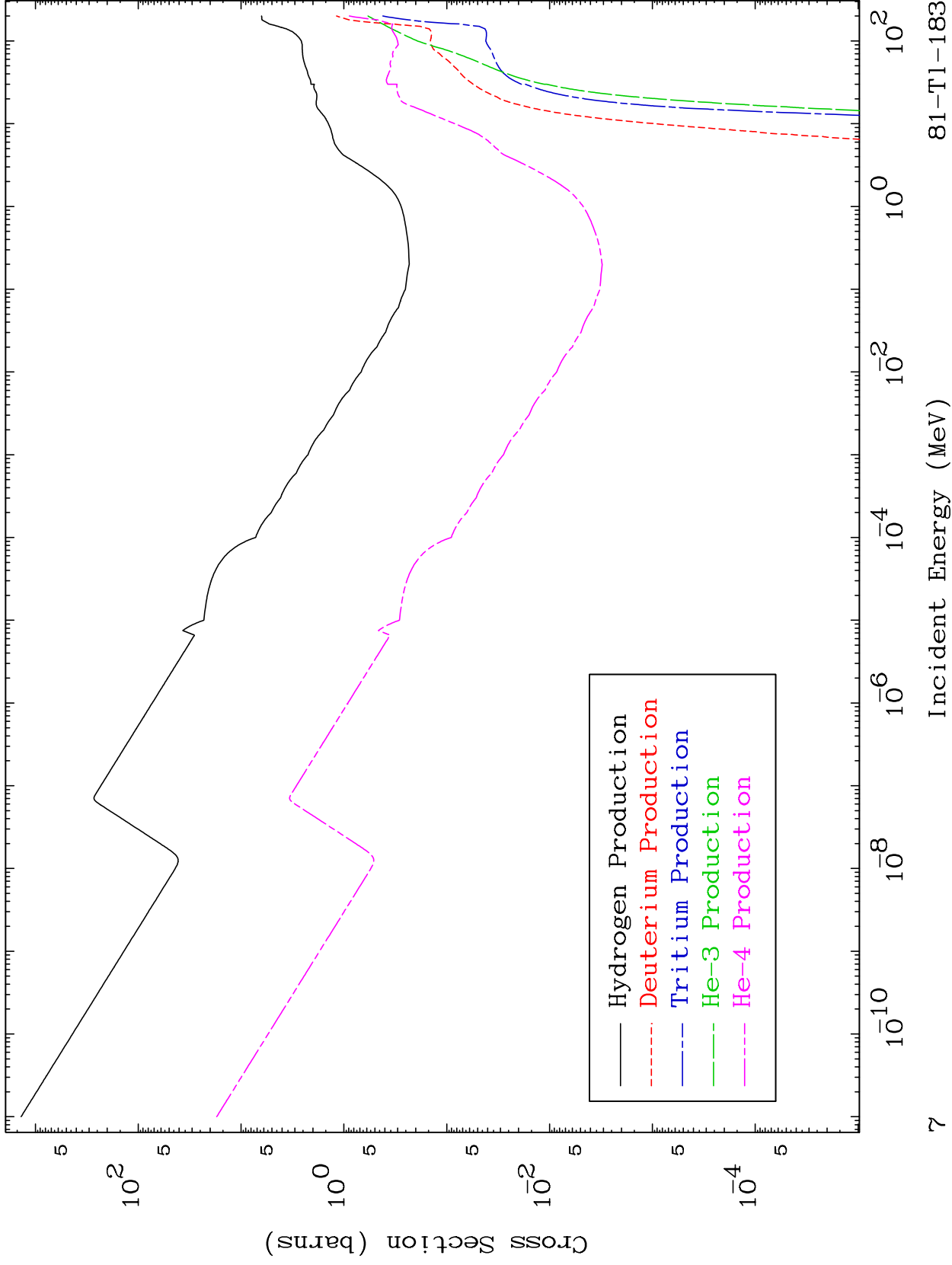


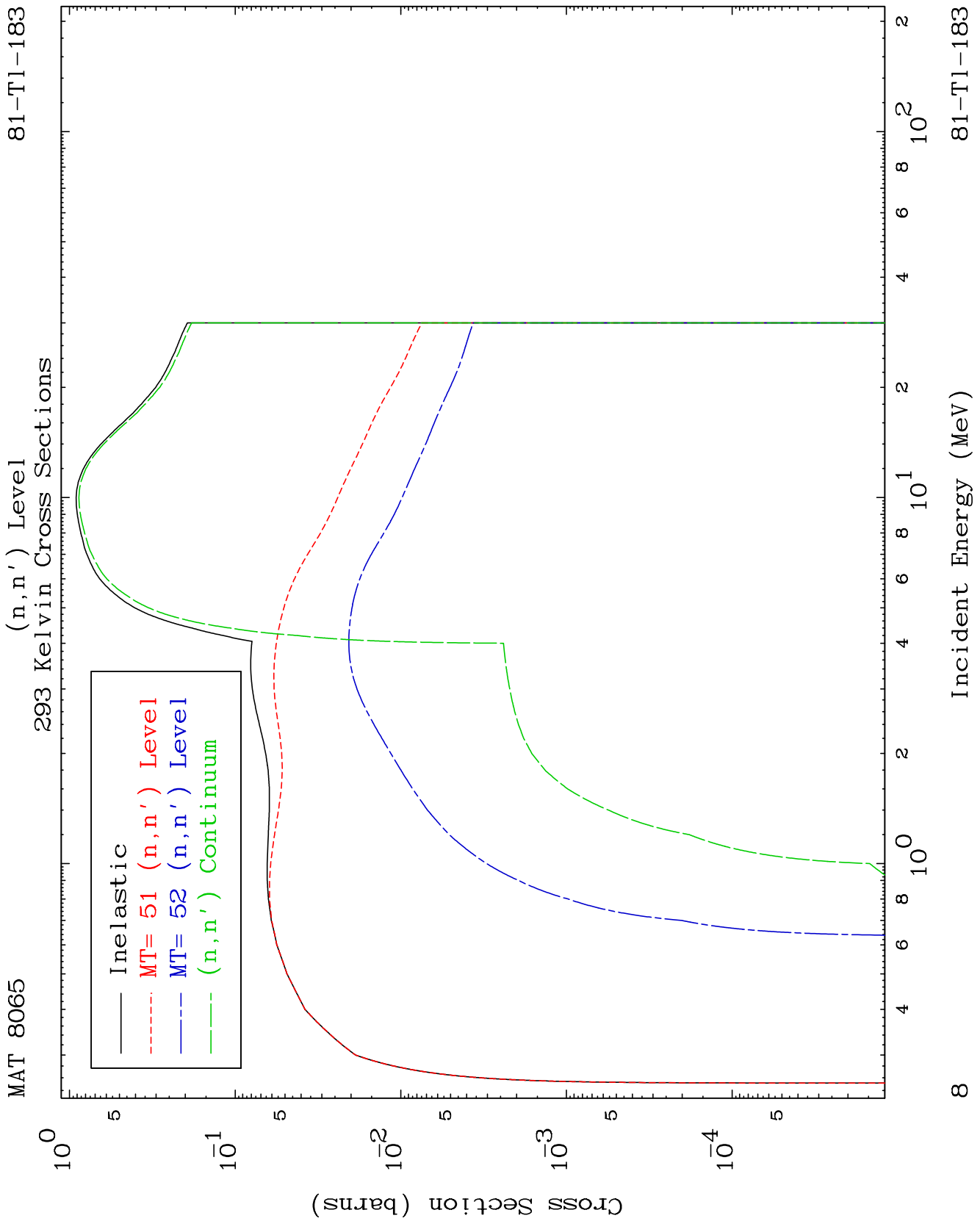
MAT 8065

Charged Particle
293 Kelvin Cross Sections

81-Tl-183



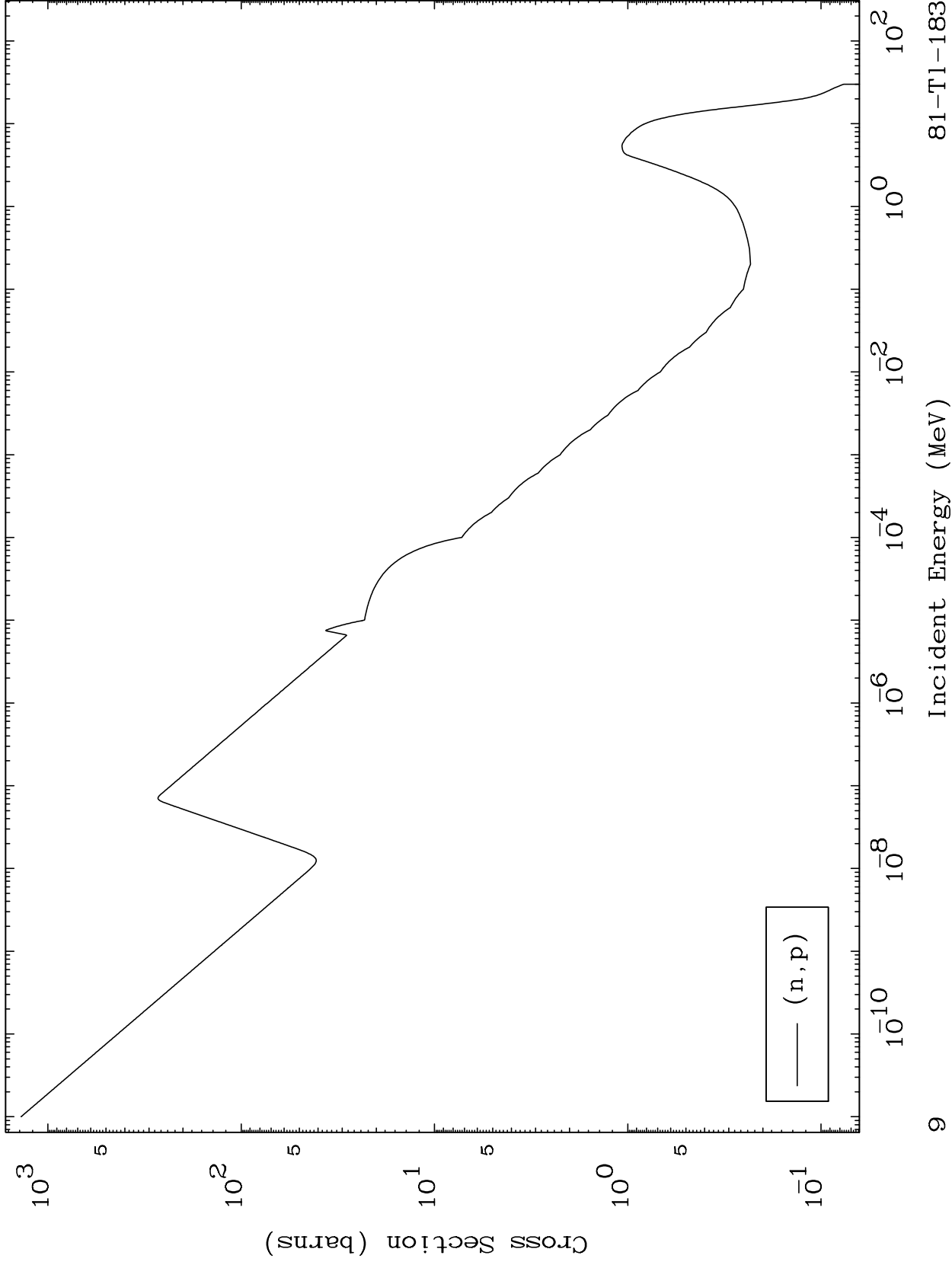




MAT 8065

(n,p) Levels
293 Kelvin Cross Sections

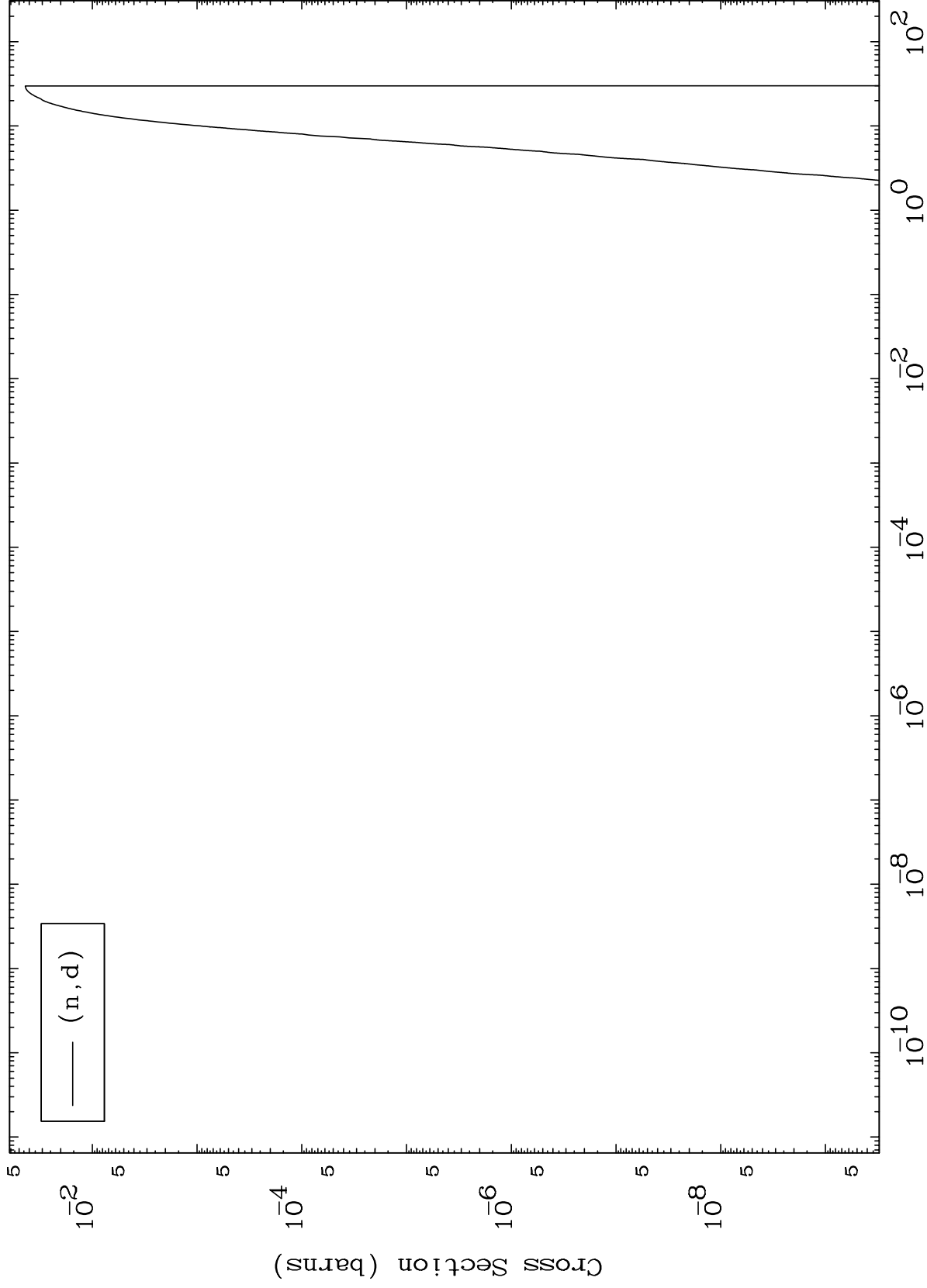
81-Tl-183



MAT 8065

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-183



10

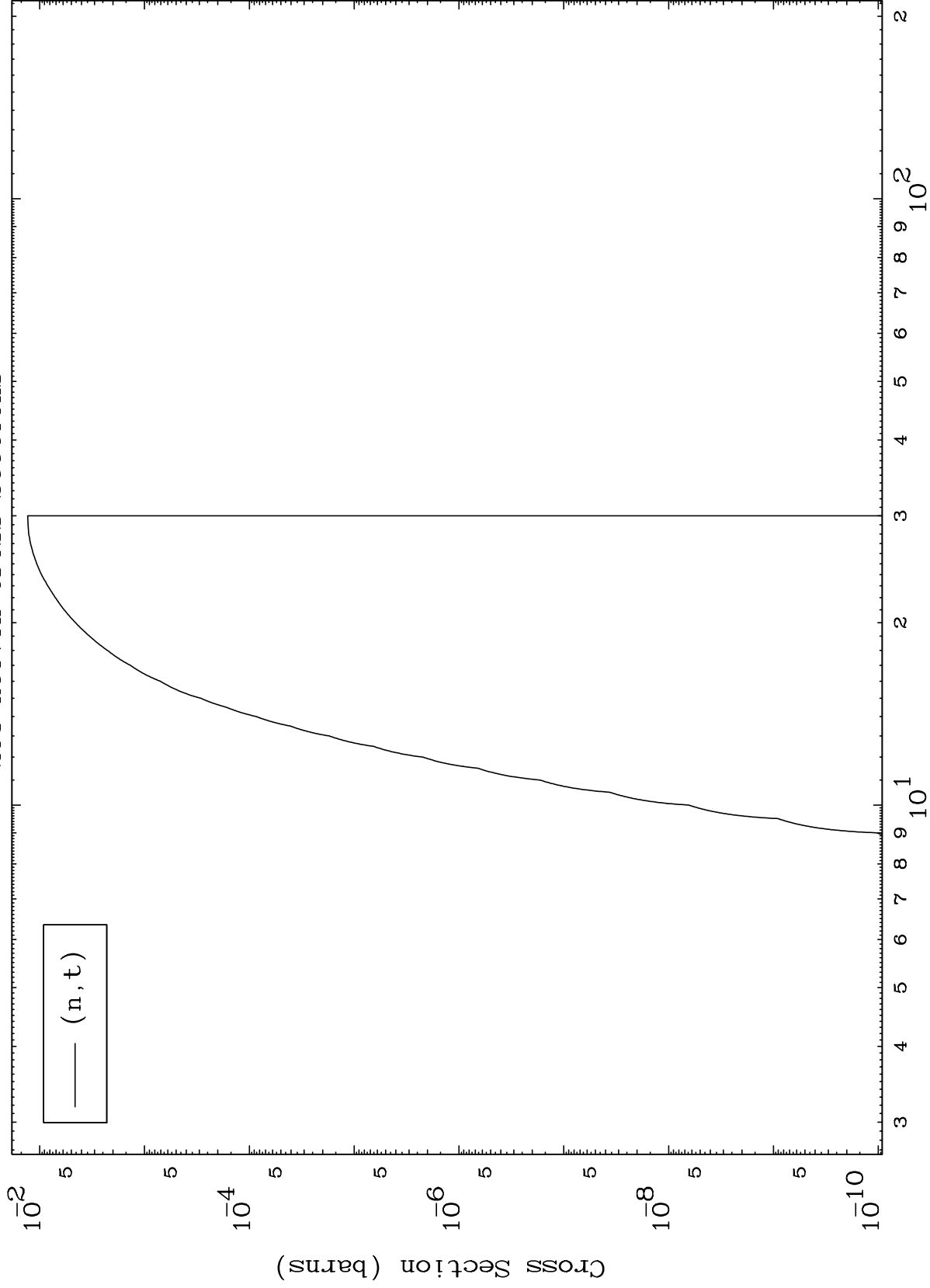
Incident Energy (MeV)

81-Tl-183

MAT 8065

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-183



(n,t)

Incident Energy (MeV)

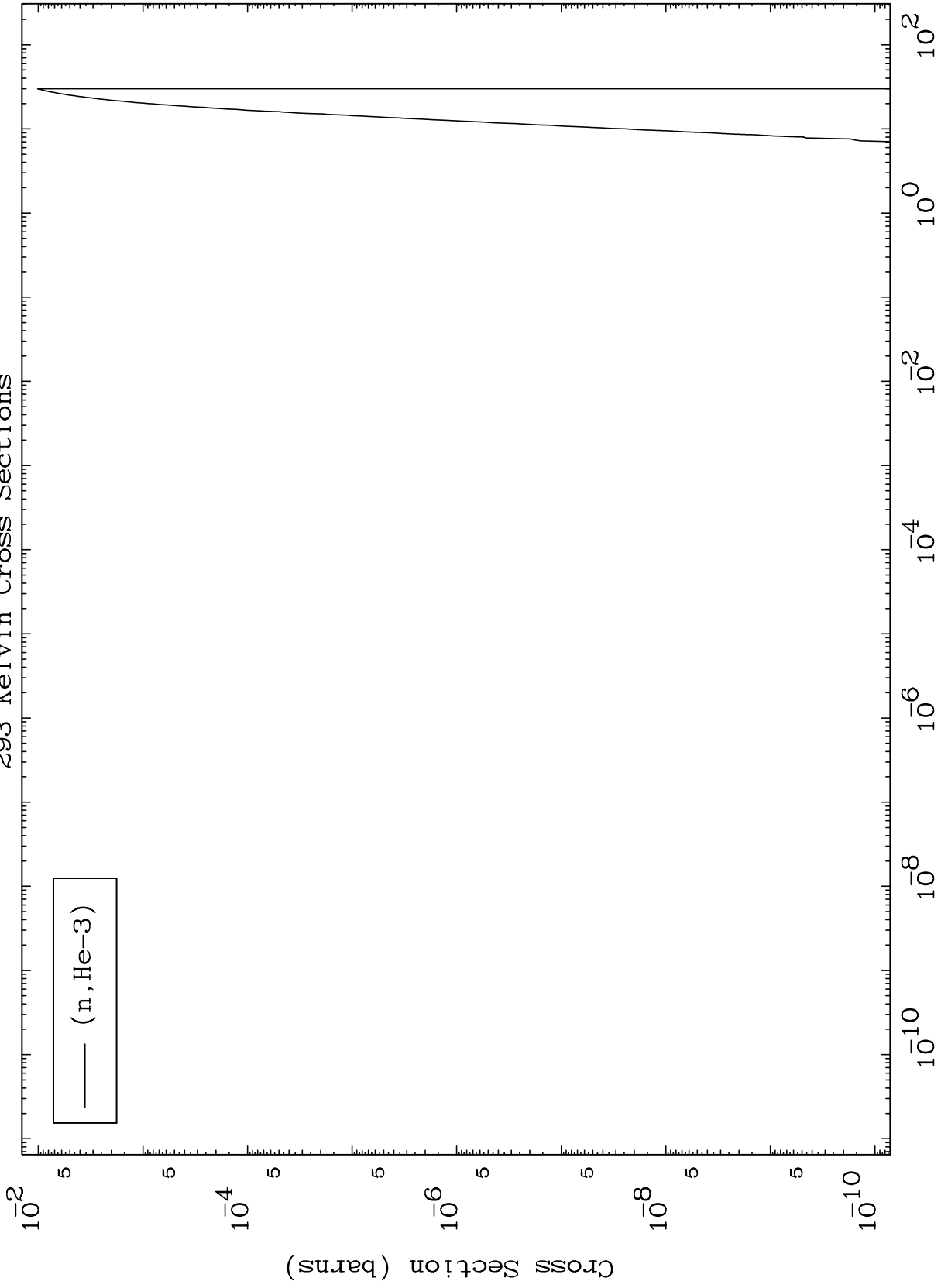
81-Tl-183

11

MAT 8065

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-183



12

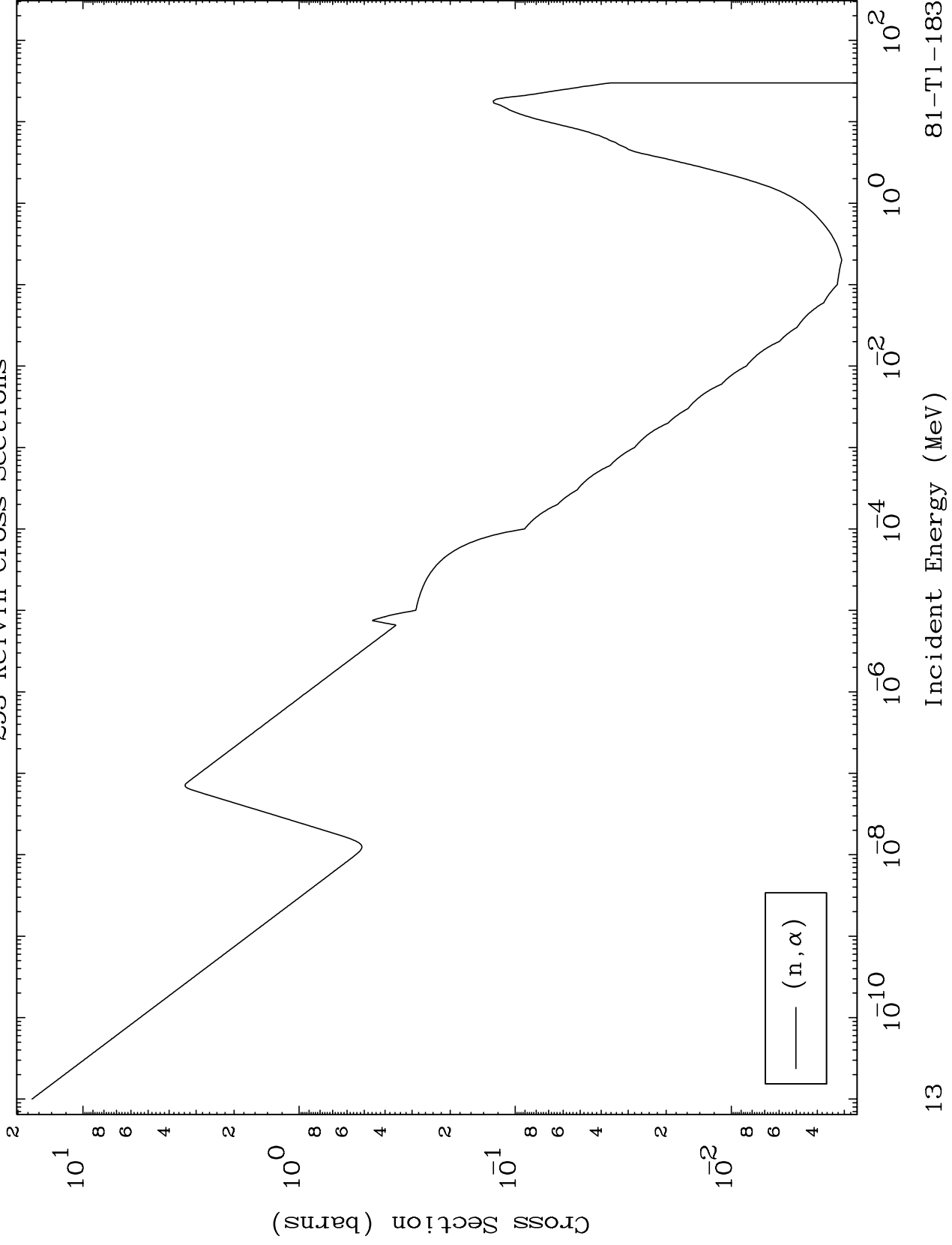
Incident Energy (MeV)

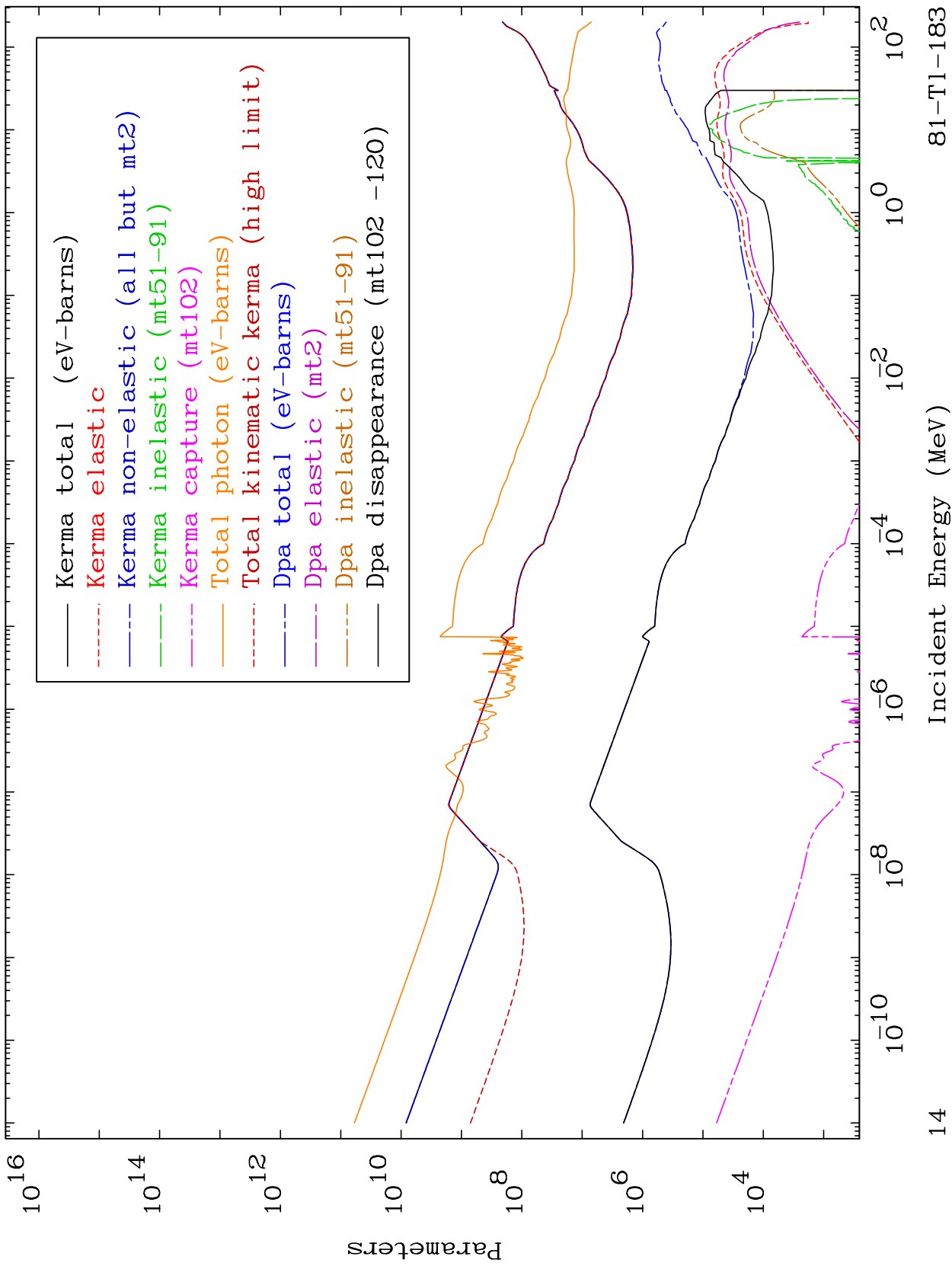
81-Tl-183

MAT 8065

(n,α) Levels
293 Kelvin Cross Sections

81-Tl-183

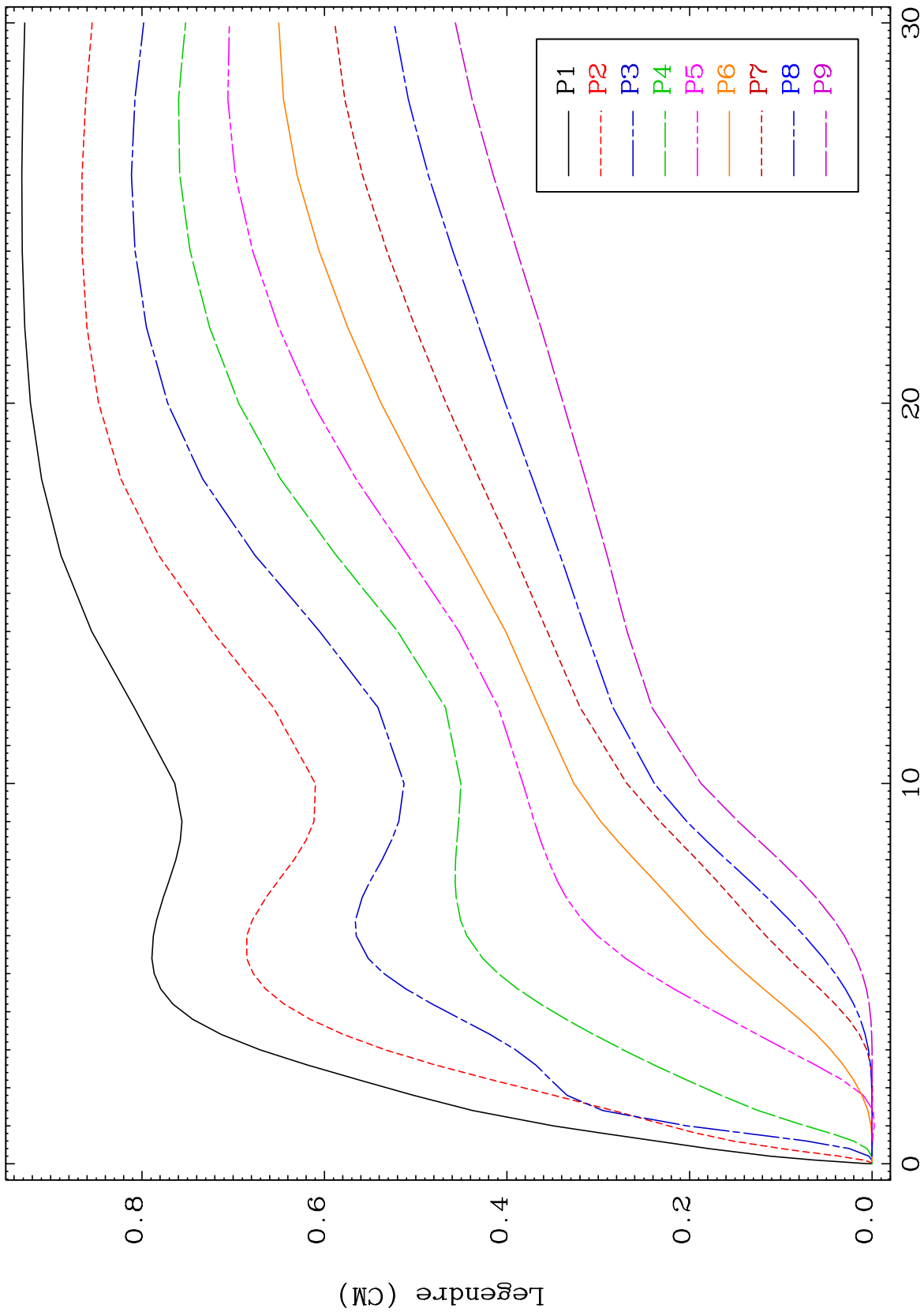




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Elastic Legendre Coefficients

81-T1-183



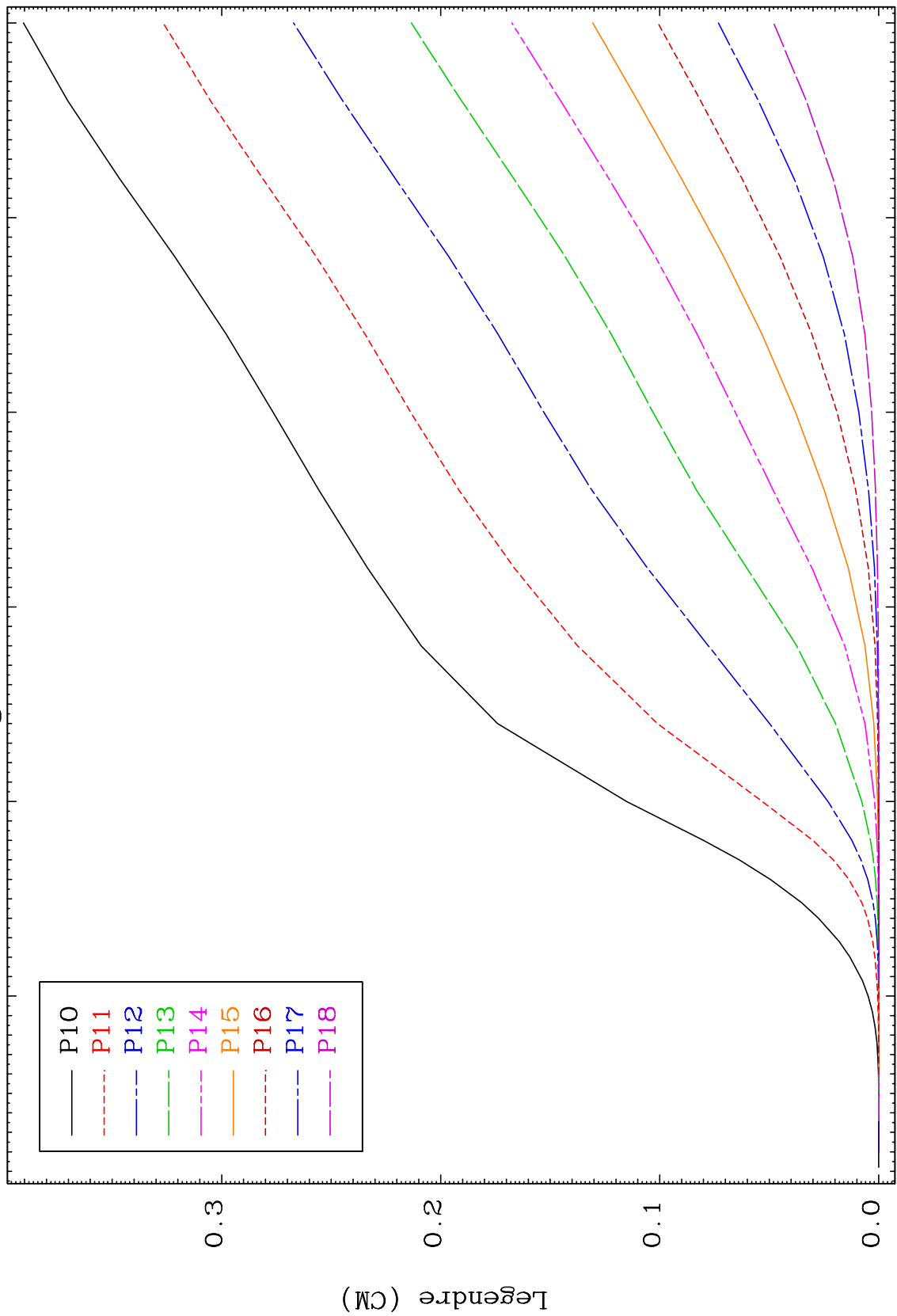
Incident Energy (MeV)

81-T1-183

MAT 8065

Elastic Legendre Coefficients

81-Tl-183



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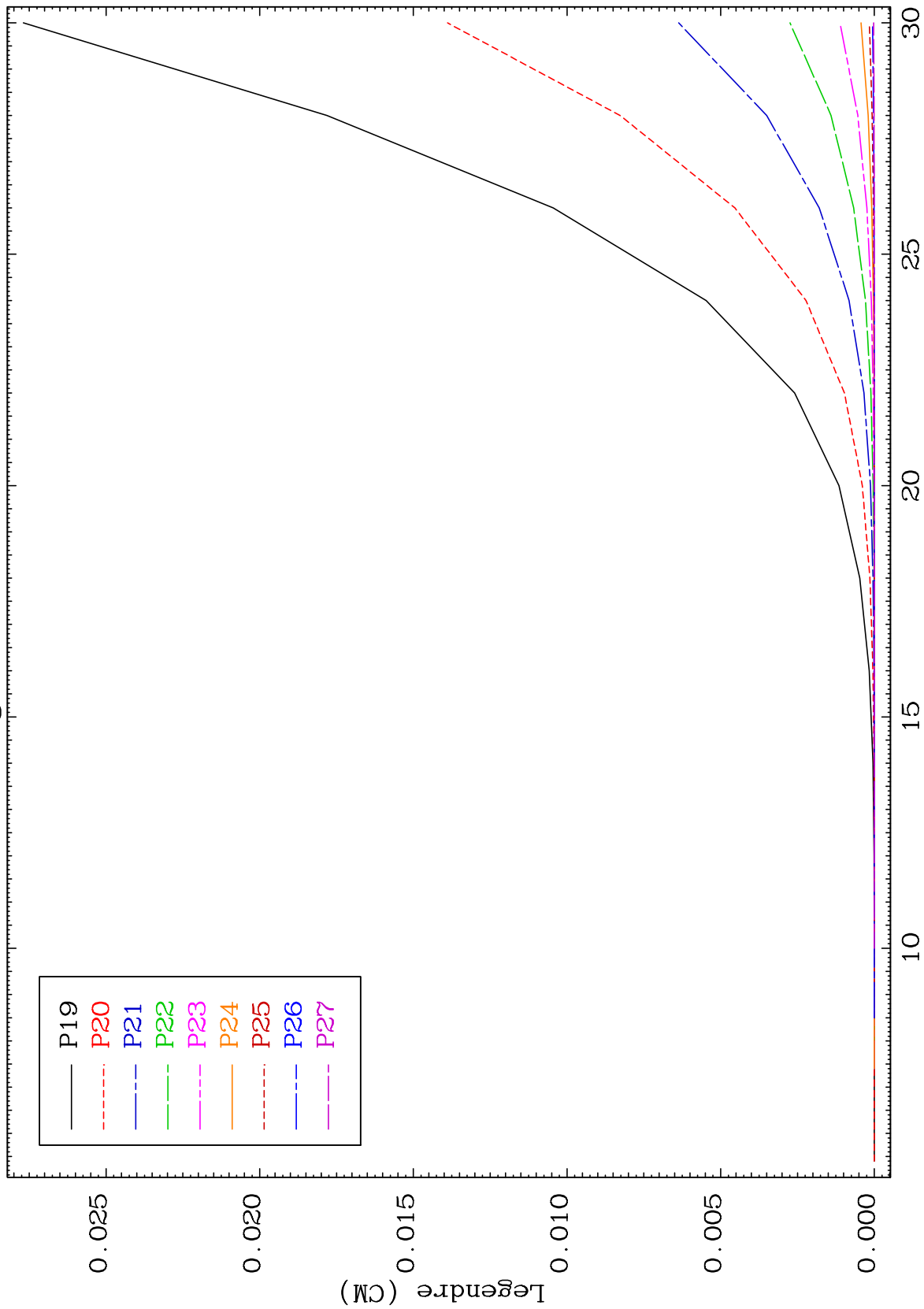
Incident Energy (MeV)

81-Tl-183

MAT 8065

Elastic Legendre Coefficients

81-T1-183



17

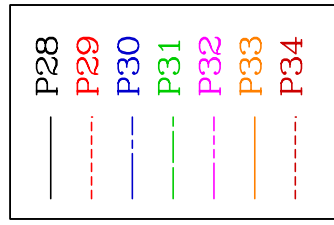
Incident Energy (MeV)

81-T1-183

MAT 8065

Elastic
Legendre Coefficients

81-T1-183



$\times 10^{-6}$

6

4

2

0

15

20

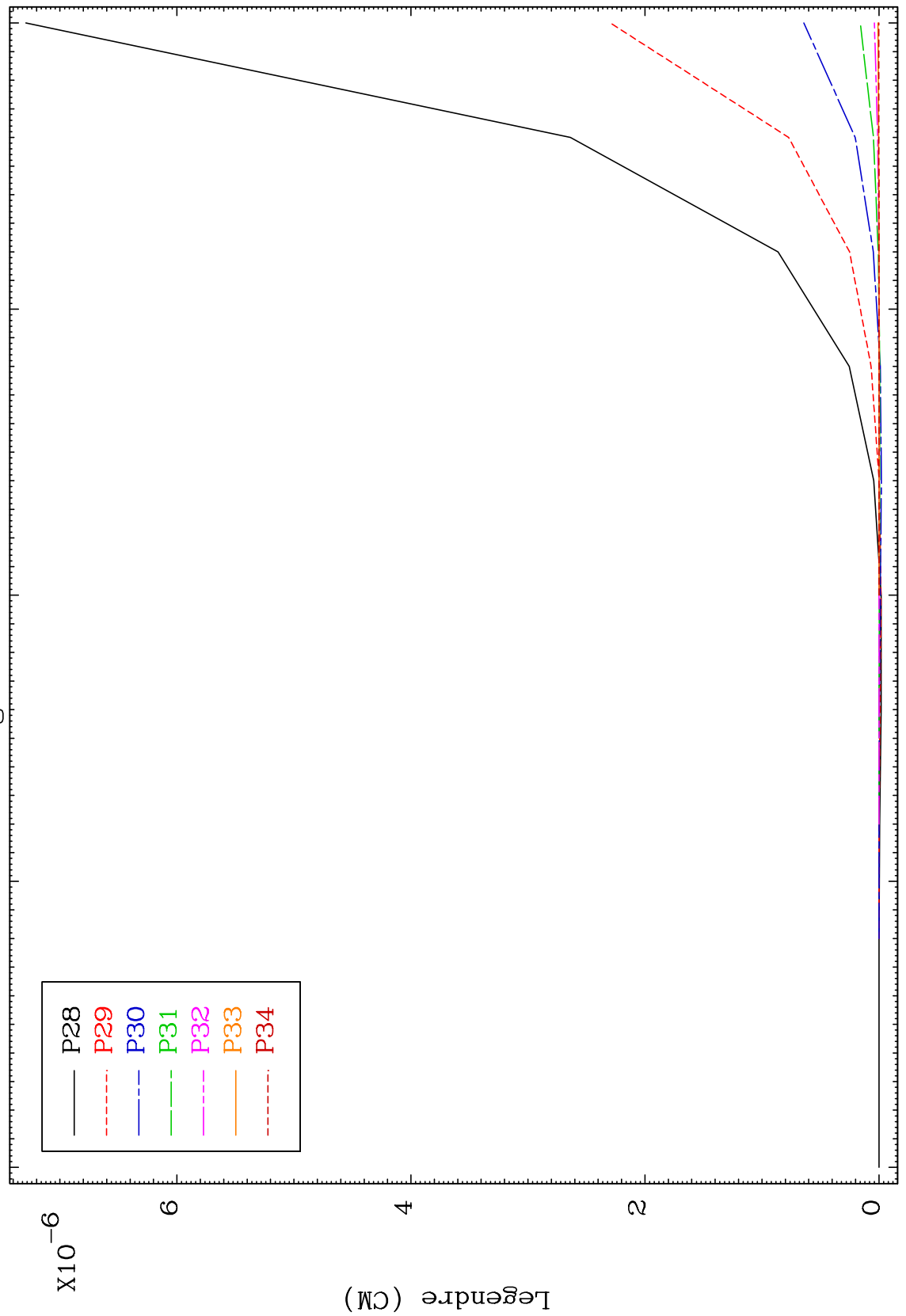
25

30

18

Incident Energy (MeV)

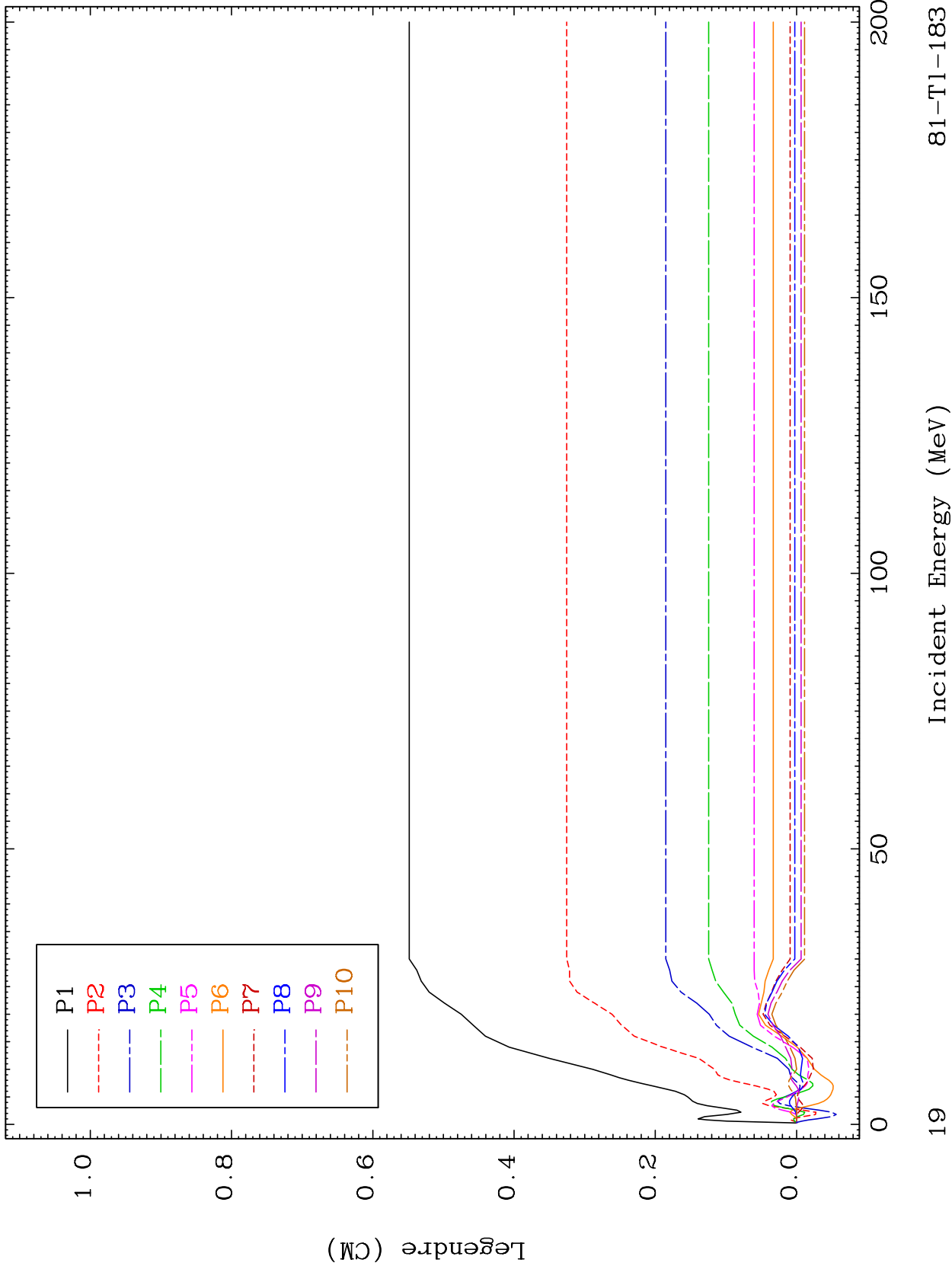
81-T1-183

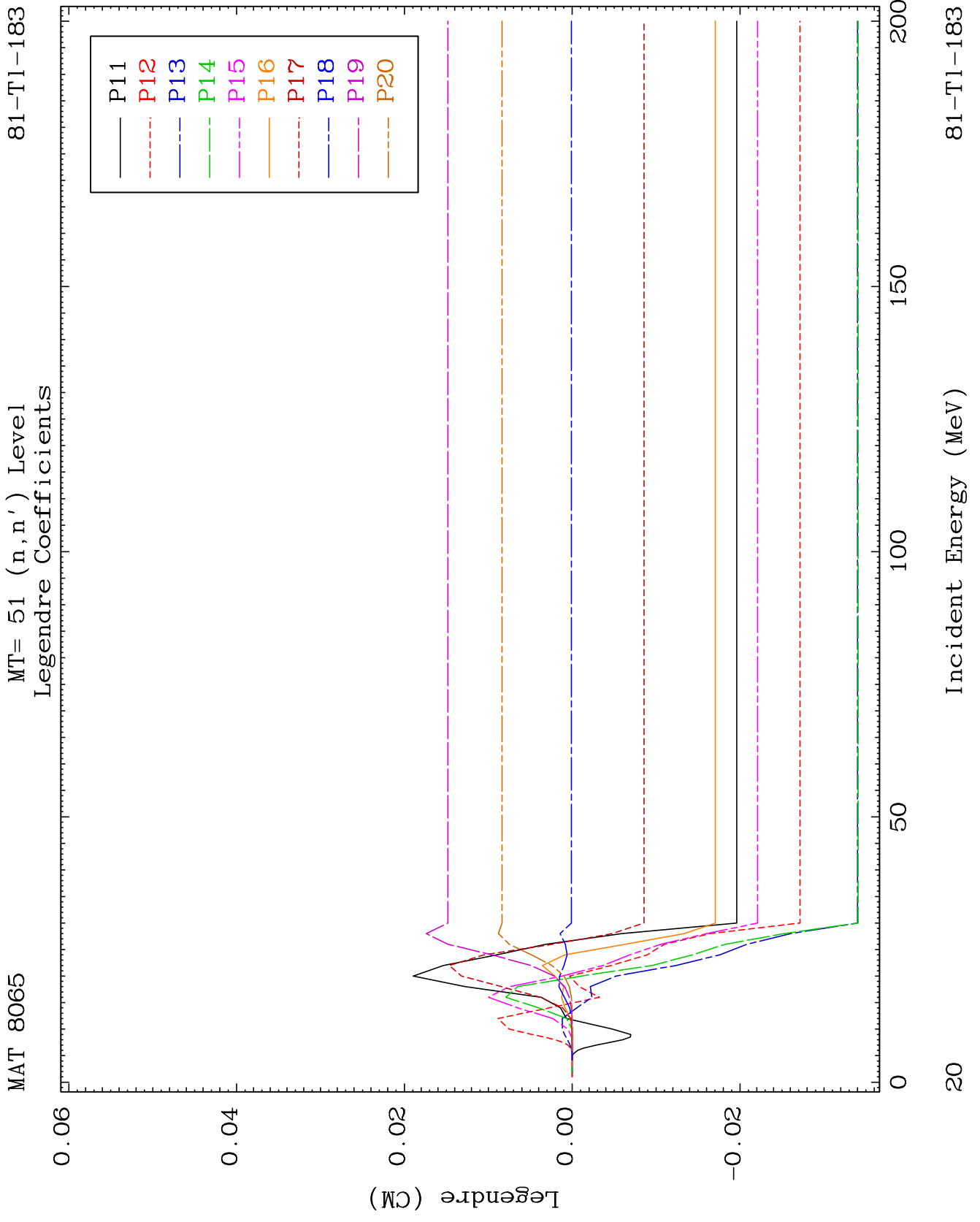


MAT 8065

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

81-Tl-183

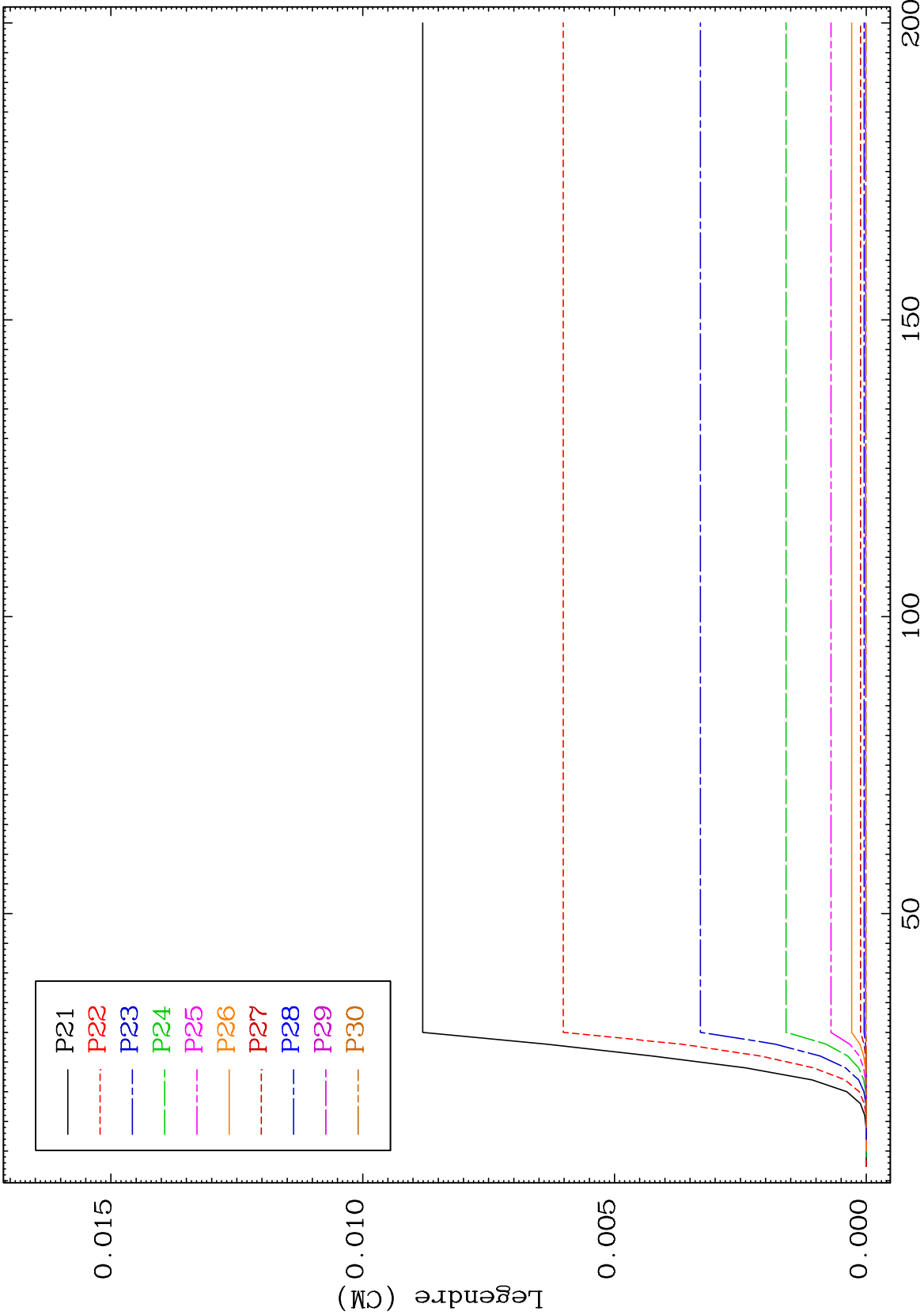




MAT 8065

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

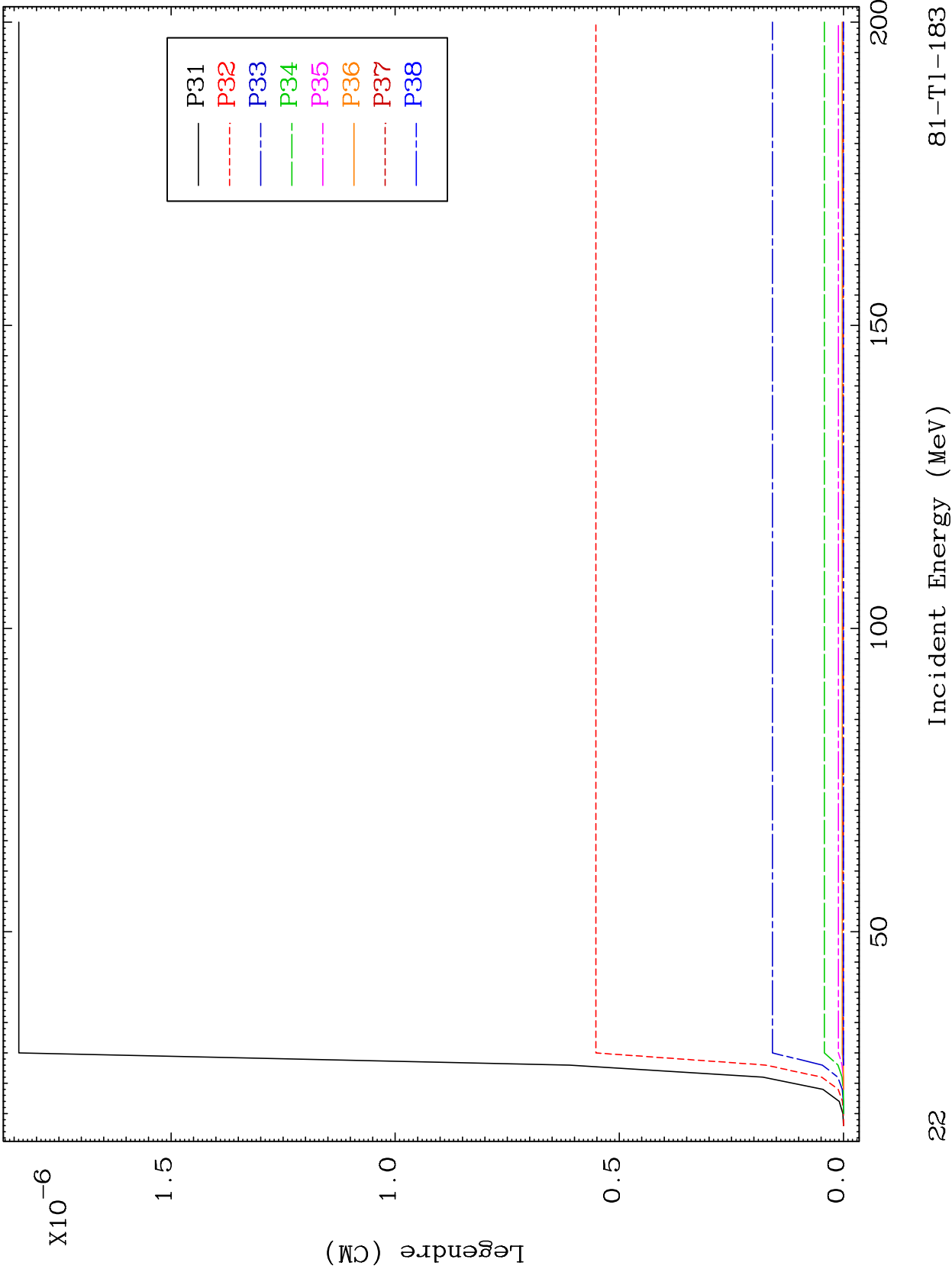
81-Tl-183



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Incident Energy (MeV)

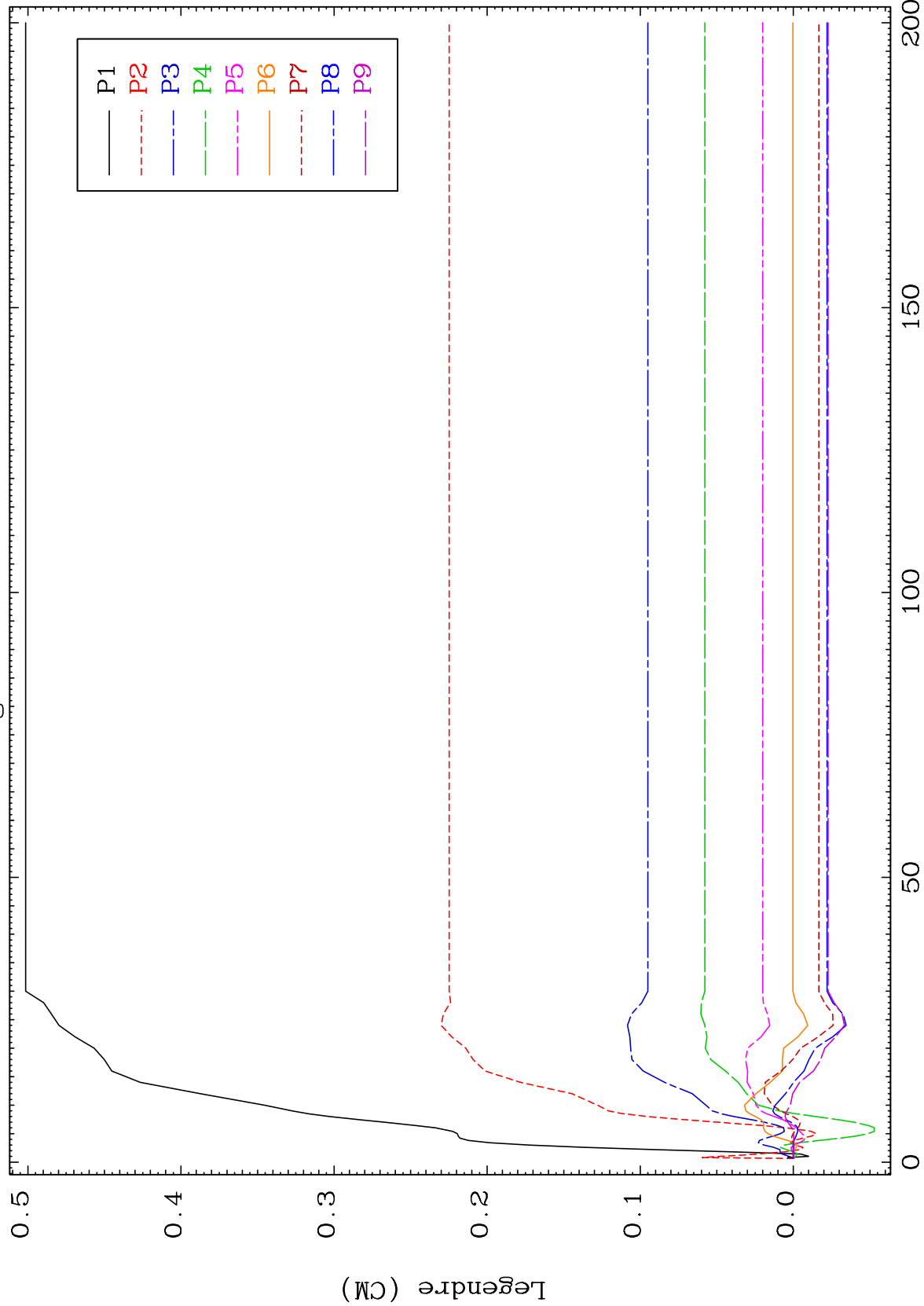
81-Tl-183



MAT 8065

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

81-T1-183



23

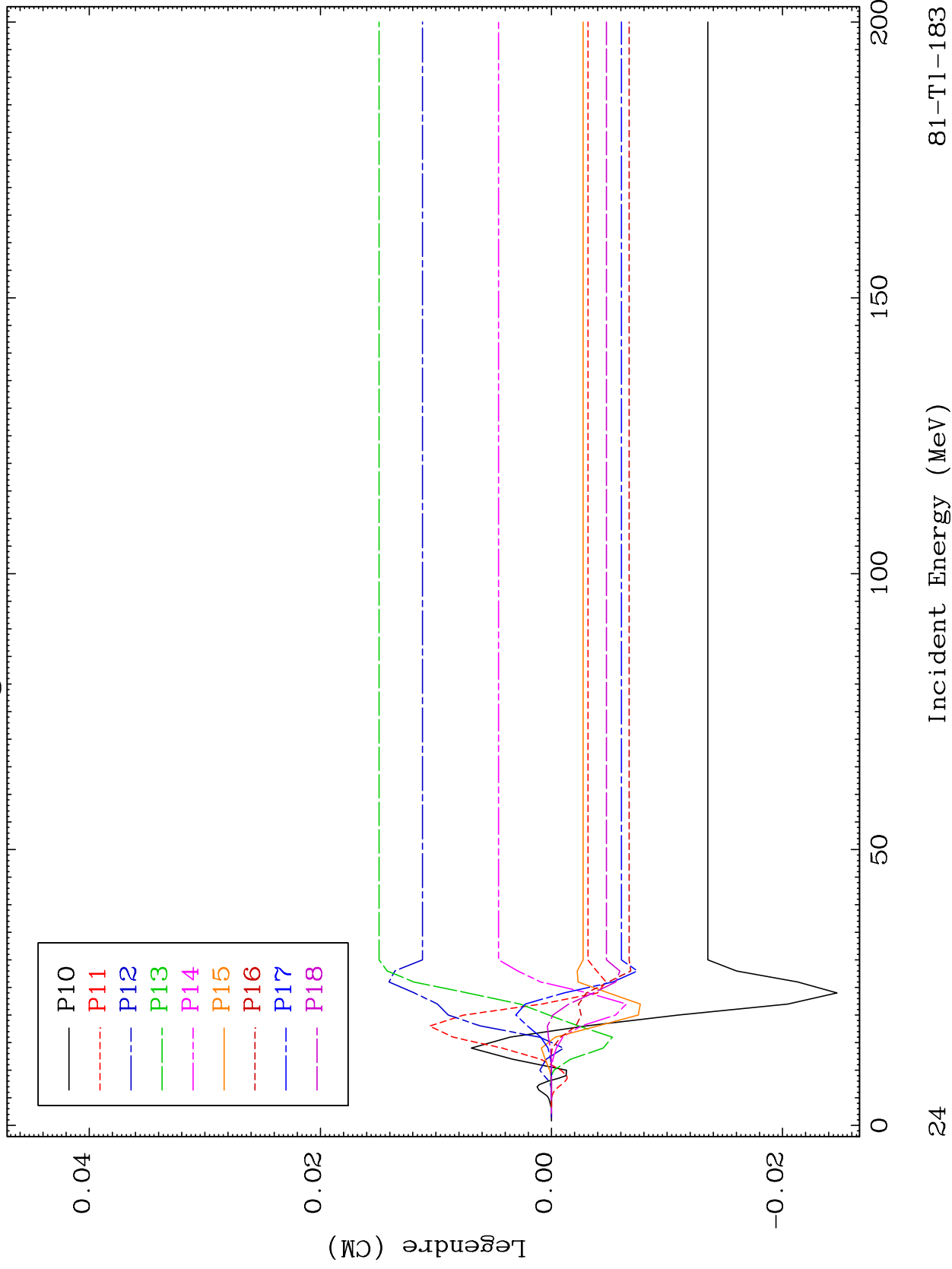
Incident Energy (MeV)

81-T1-183

MAT 8065

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

81-Tl-183



81-Tl-183

Incident Energy (MeV)

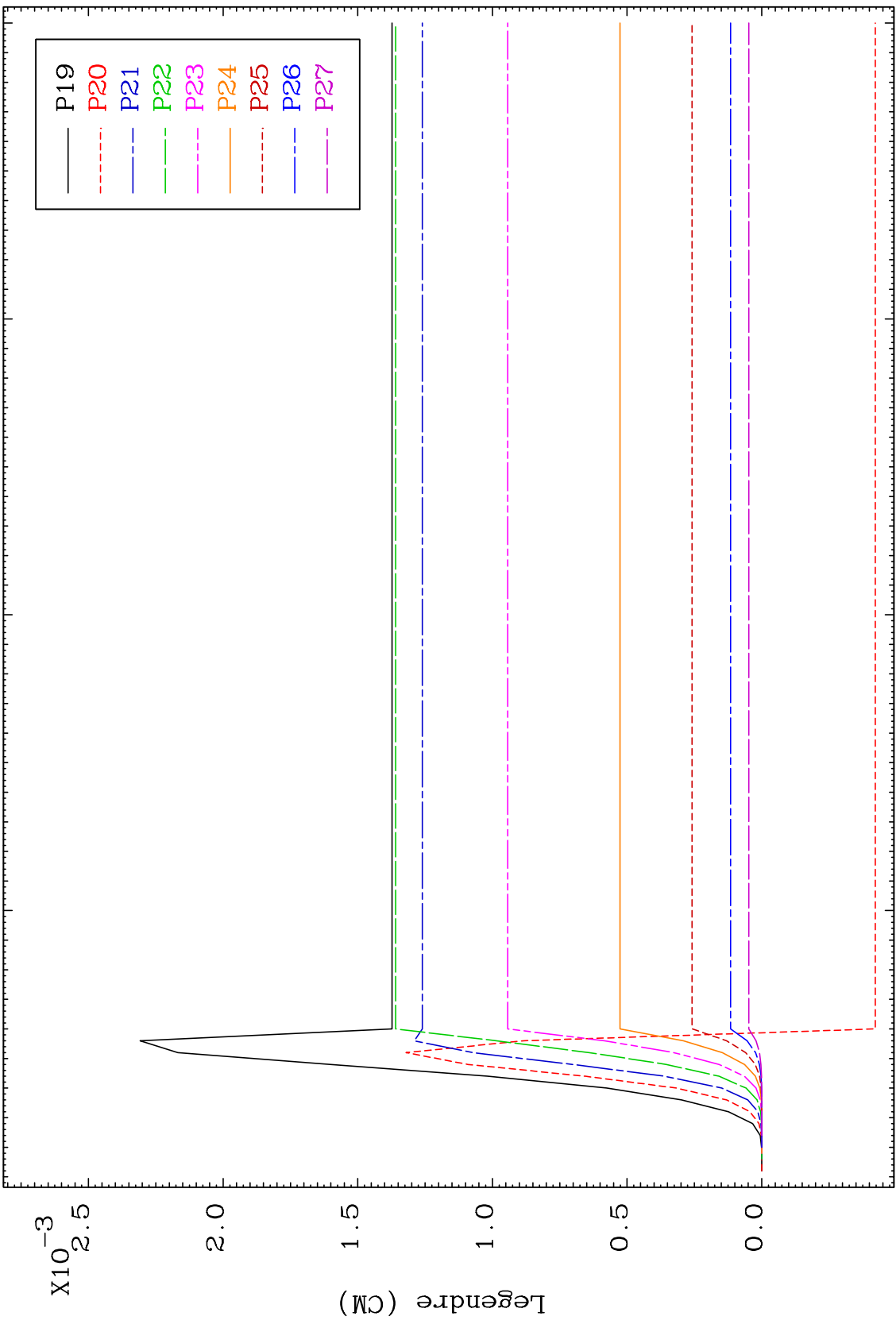
24

MAT 8065

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

81-T1-183

$\times 10^{-3}$



200

150

100

50

25

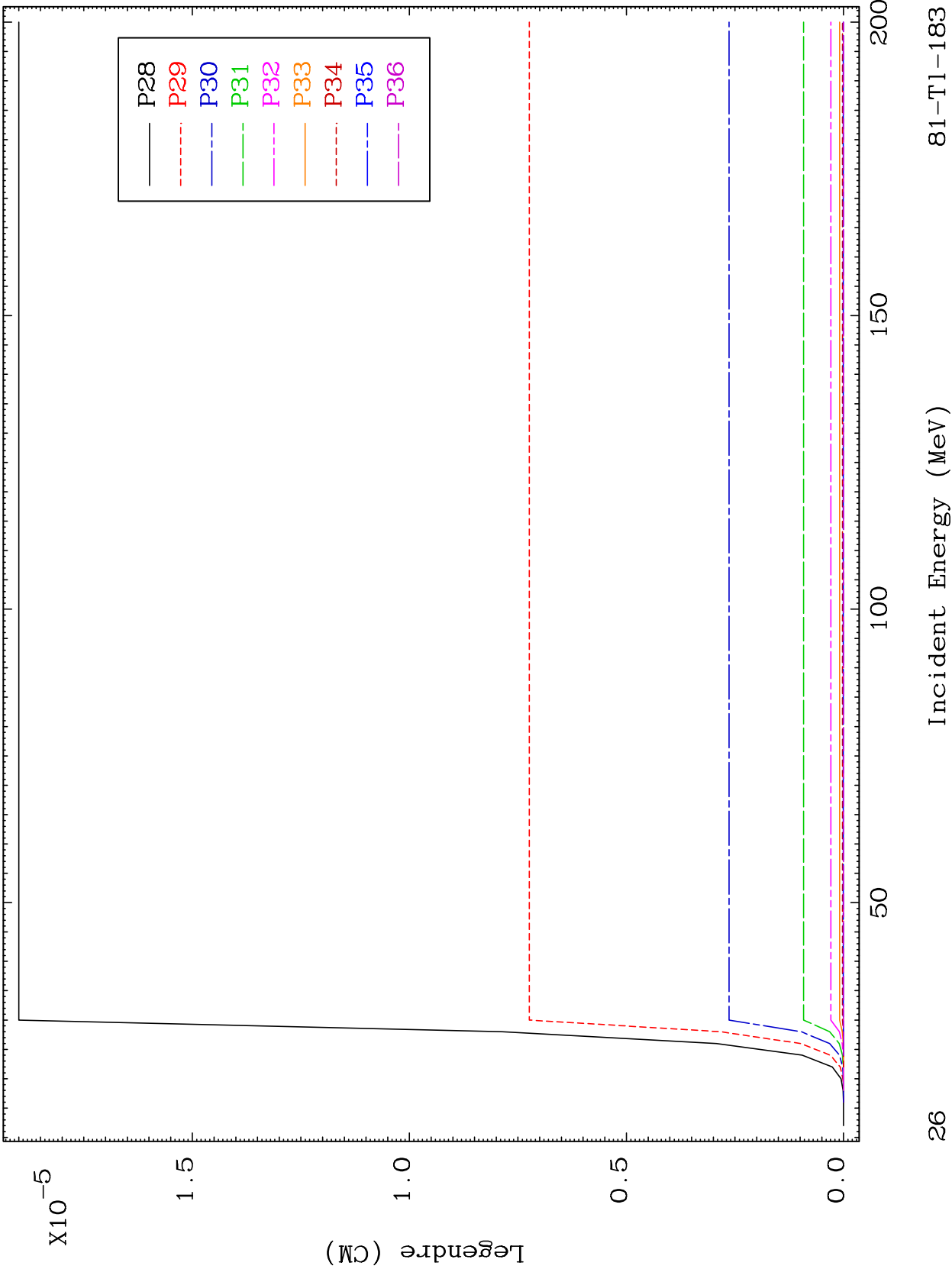
Incident Energy (MeV)

81-T1-183

MAT 8065

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

81-Tl-183



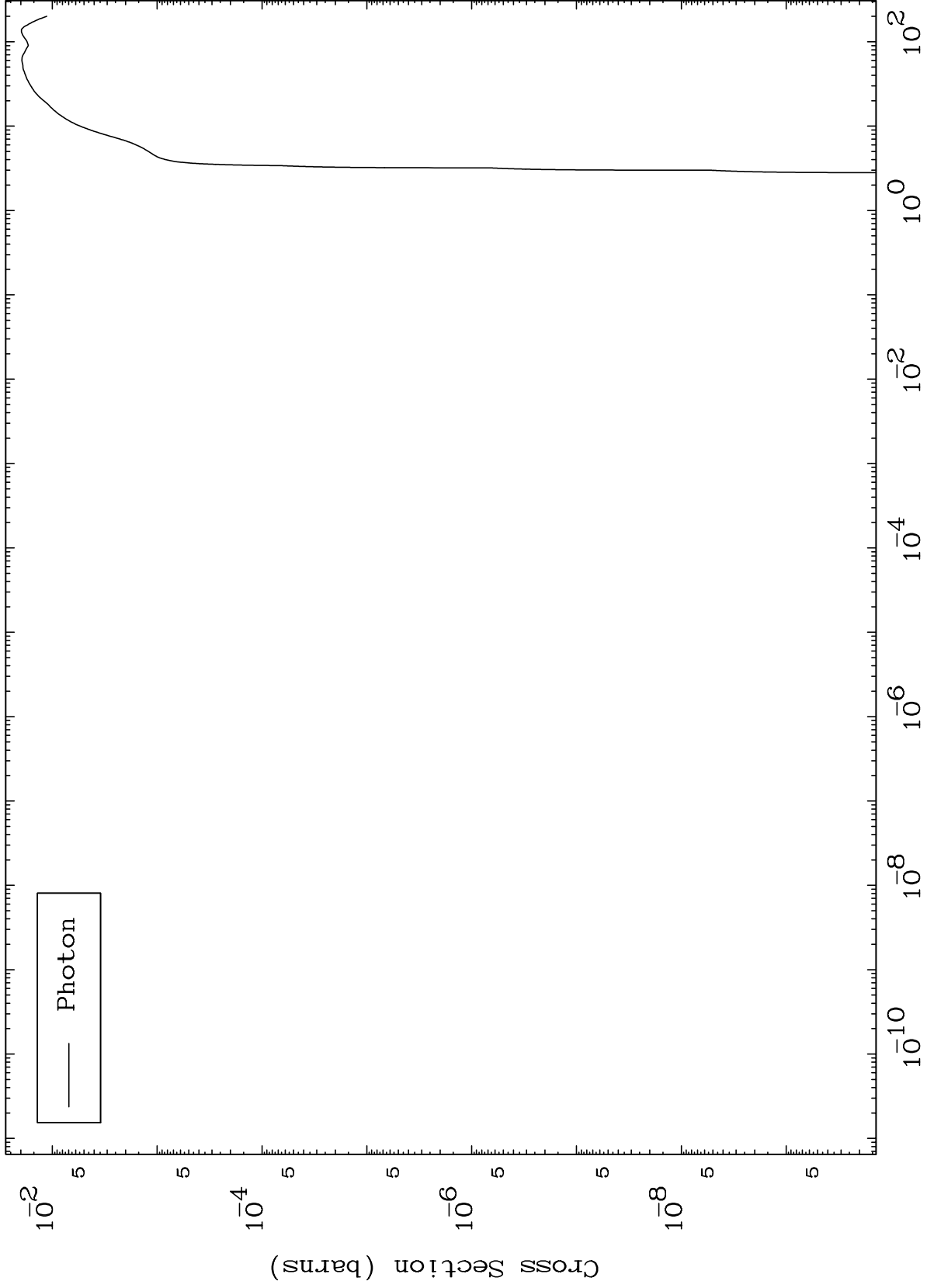
26

MAT 8065

Fission

81-Tl-183

Radionuclide Production Cross Section

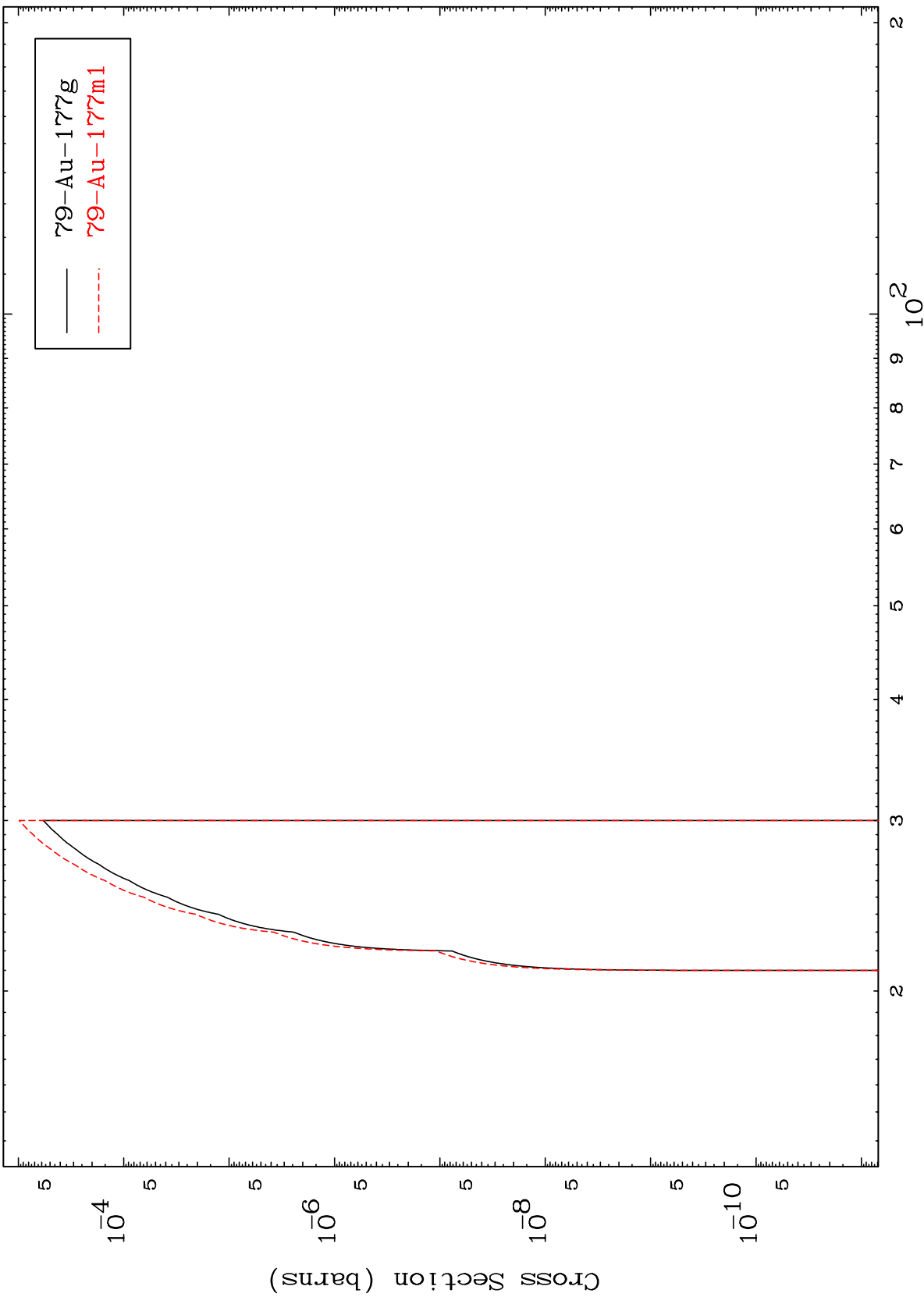


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Incident Energy (MeV)

81-Tl-183

Radionuclide Production Cross Section



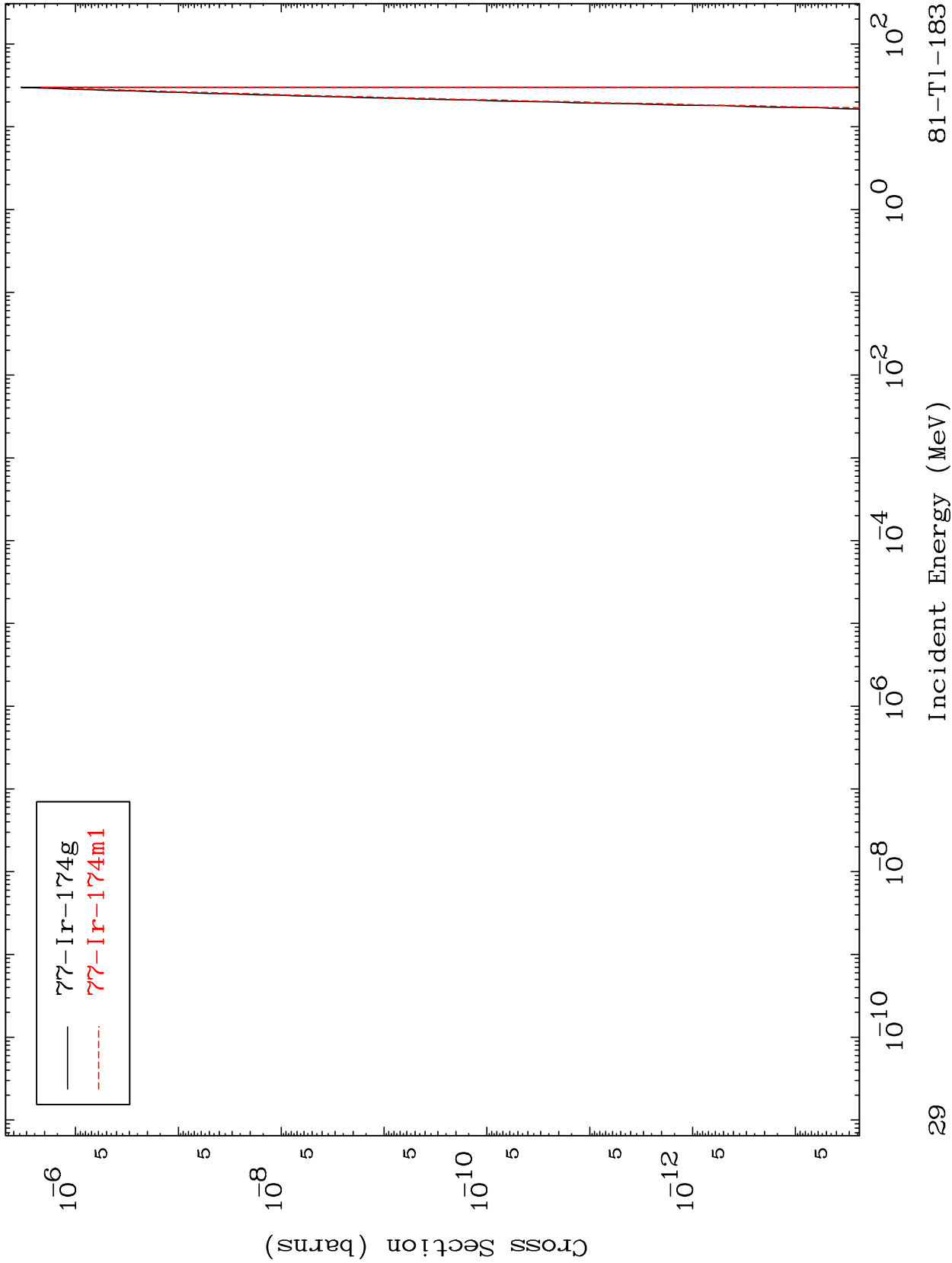
79-Au-177g
79-Au-177m1

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(n,2n) 2 α

81-Tl-183

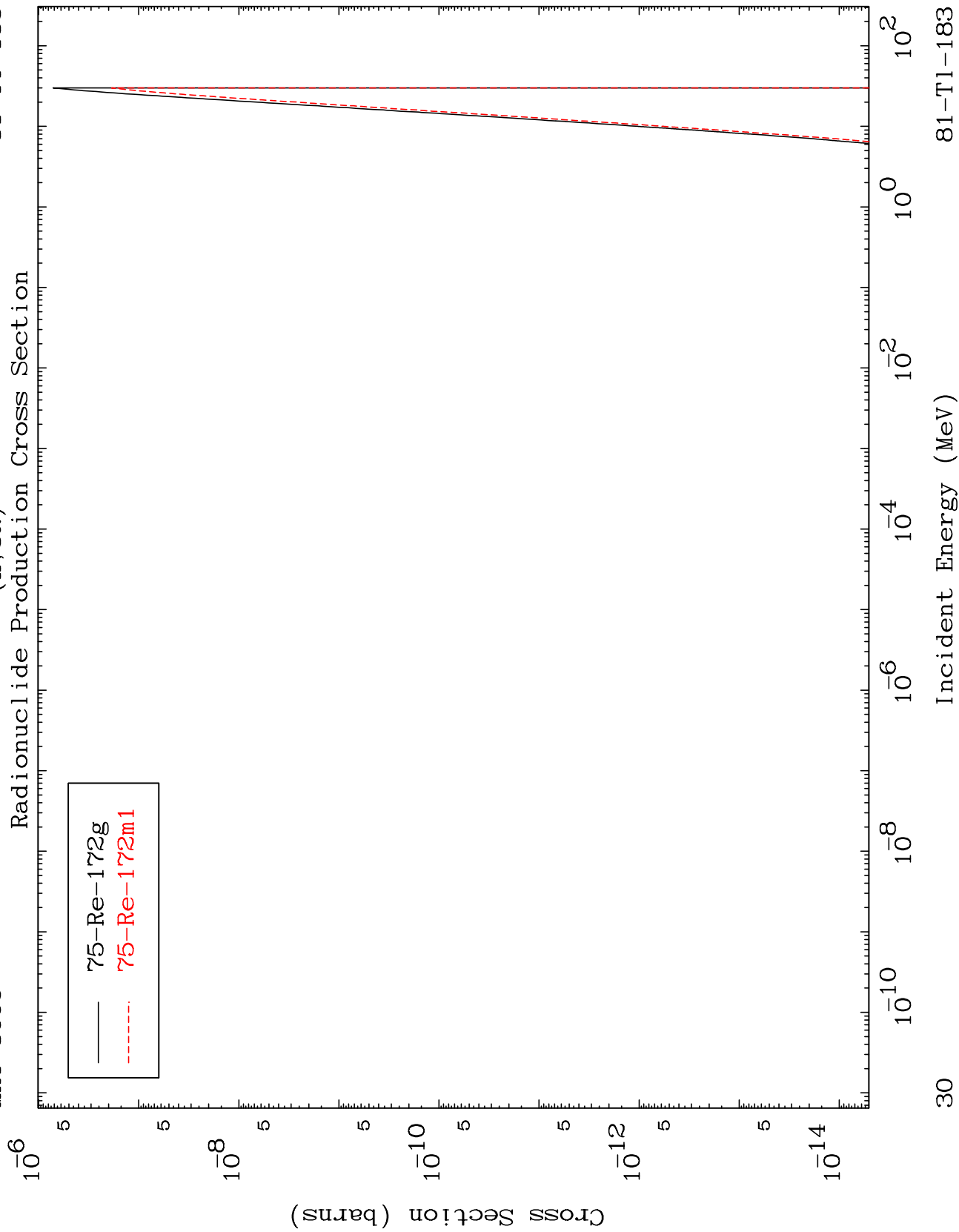
Radionuclide Production Cross Section



MAT 8065

81-Tl-183

(n,3α)
Radionuclide Production Cross Section



75-Re-172g
75-Re-172m1