

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

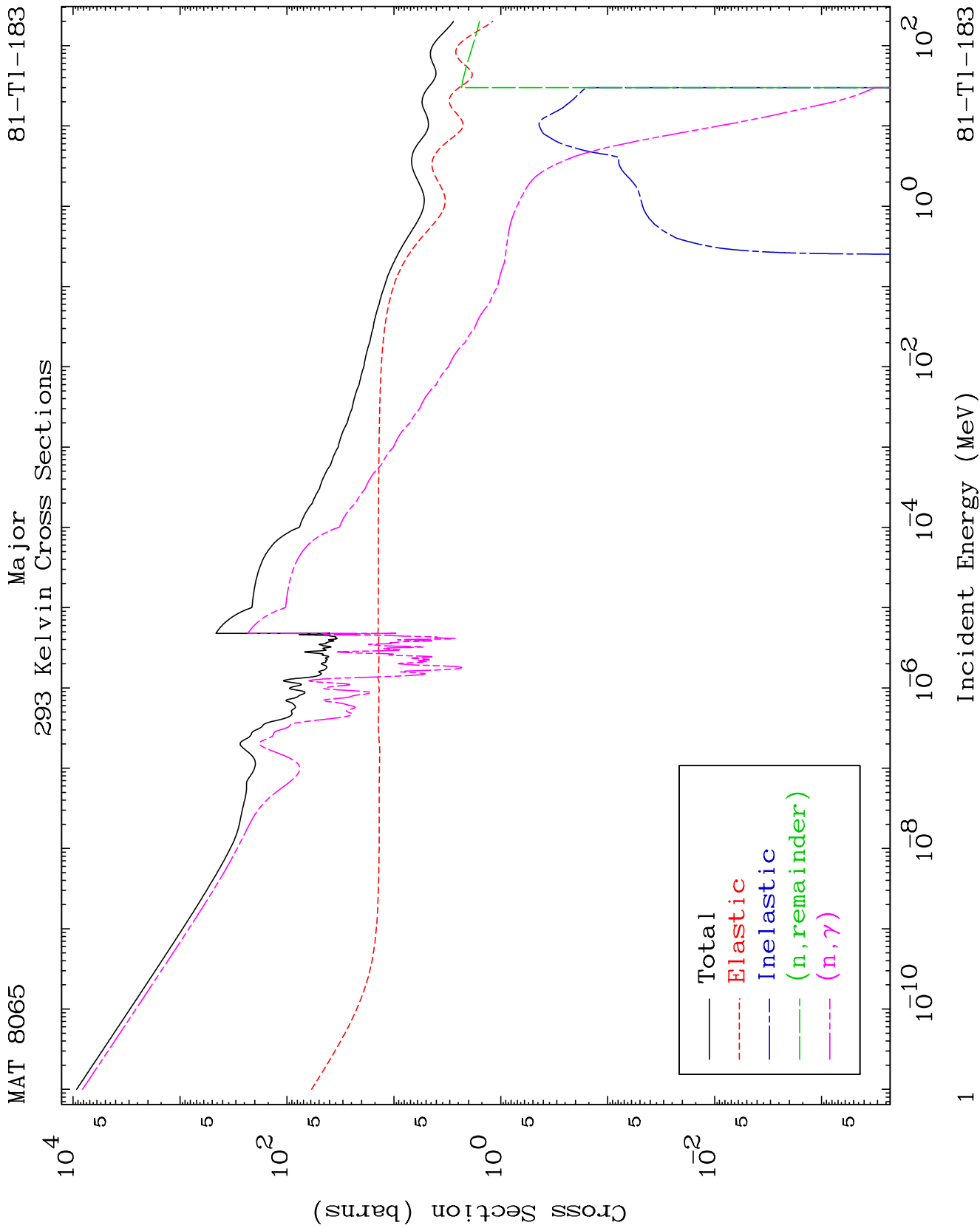
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

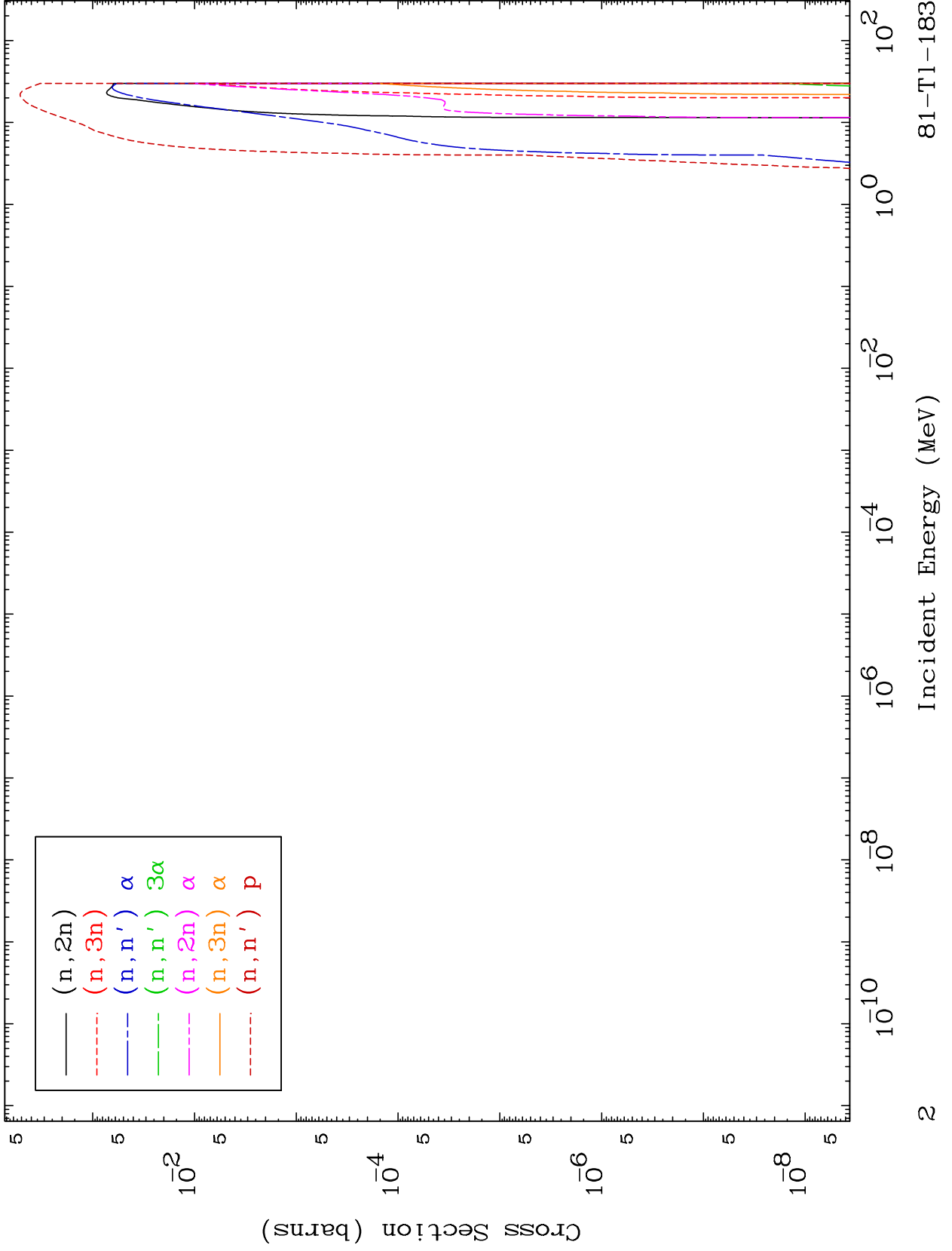
Press Mouse Button to Start



MAT 8065

Neutron Production
293 Kelvin Cross Sections

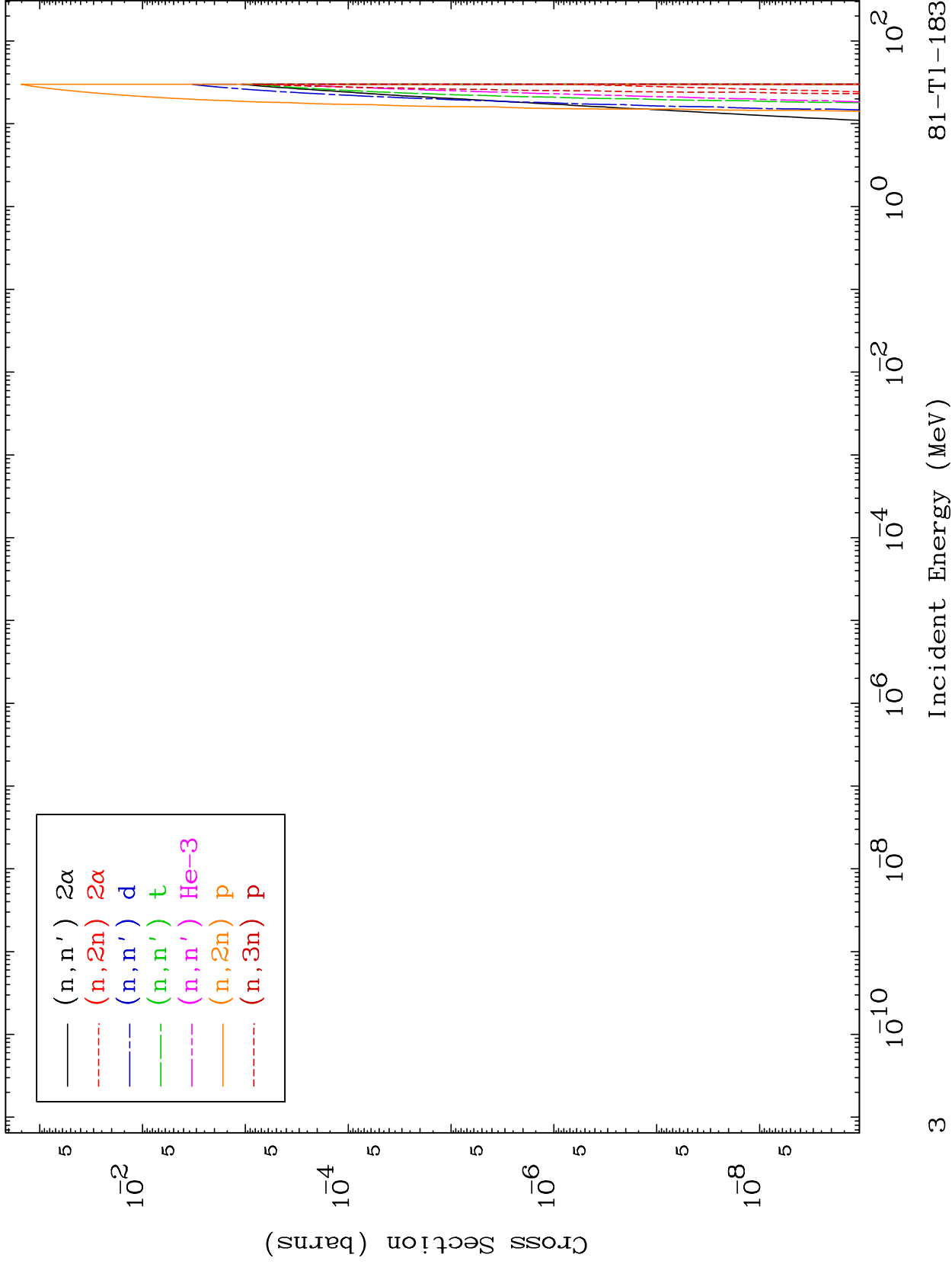
81-Tl-183



MAT 8065

Neutron Production
293 Kelvin Cross Sections

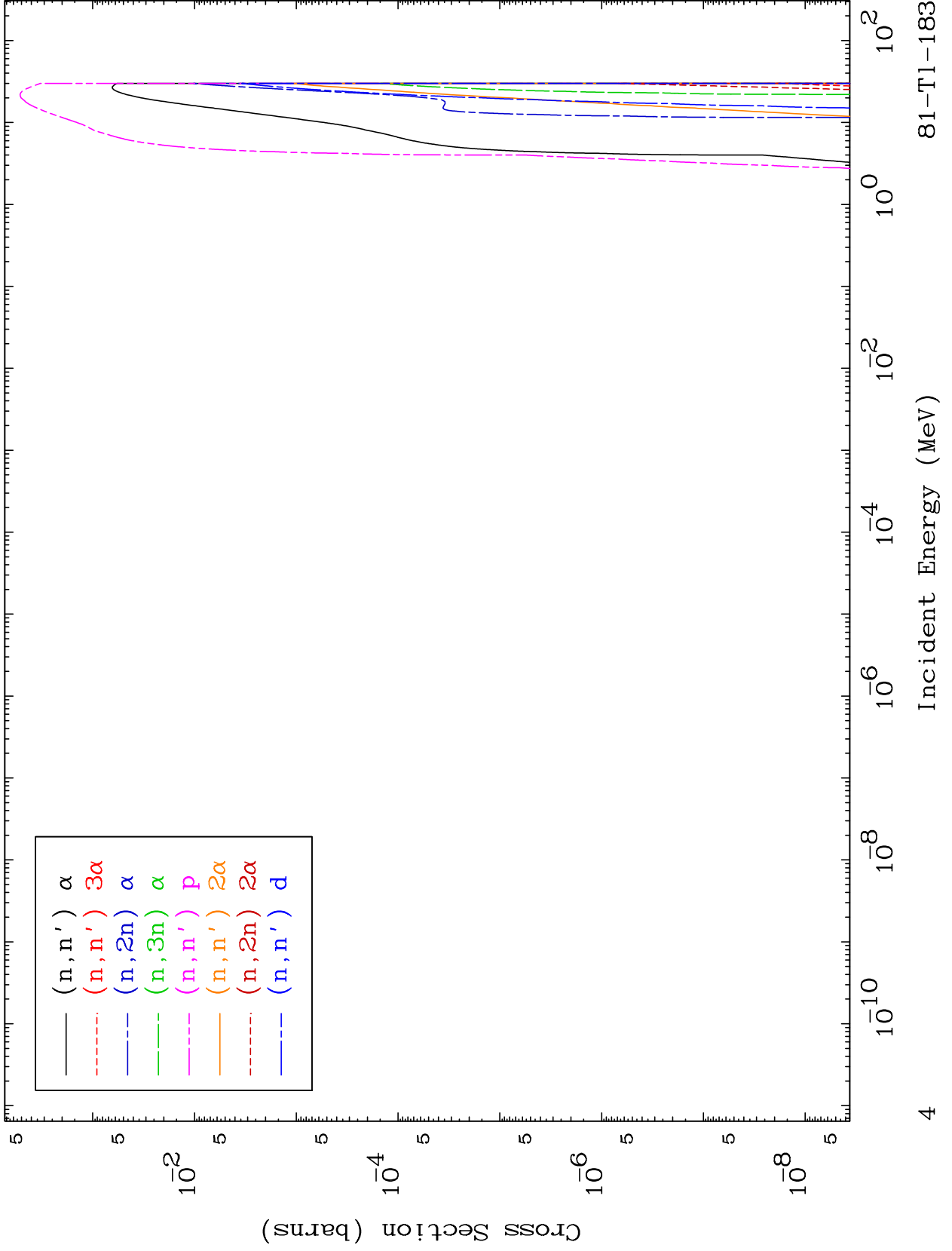
81-Tl-183



MAT 8065

Charged Particle
293 Kelvin Cross Sections

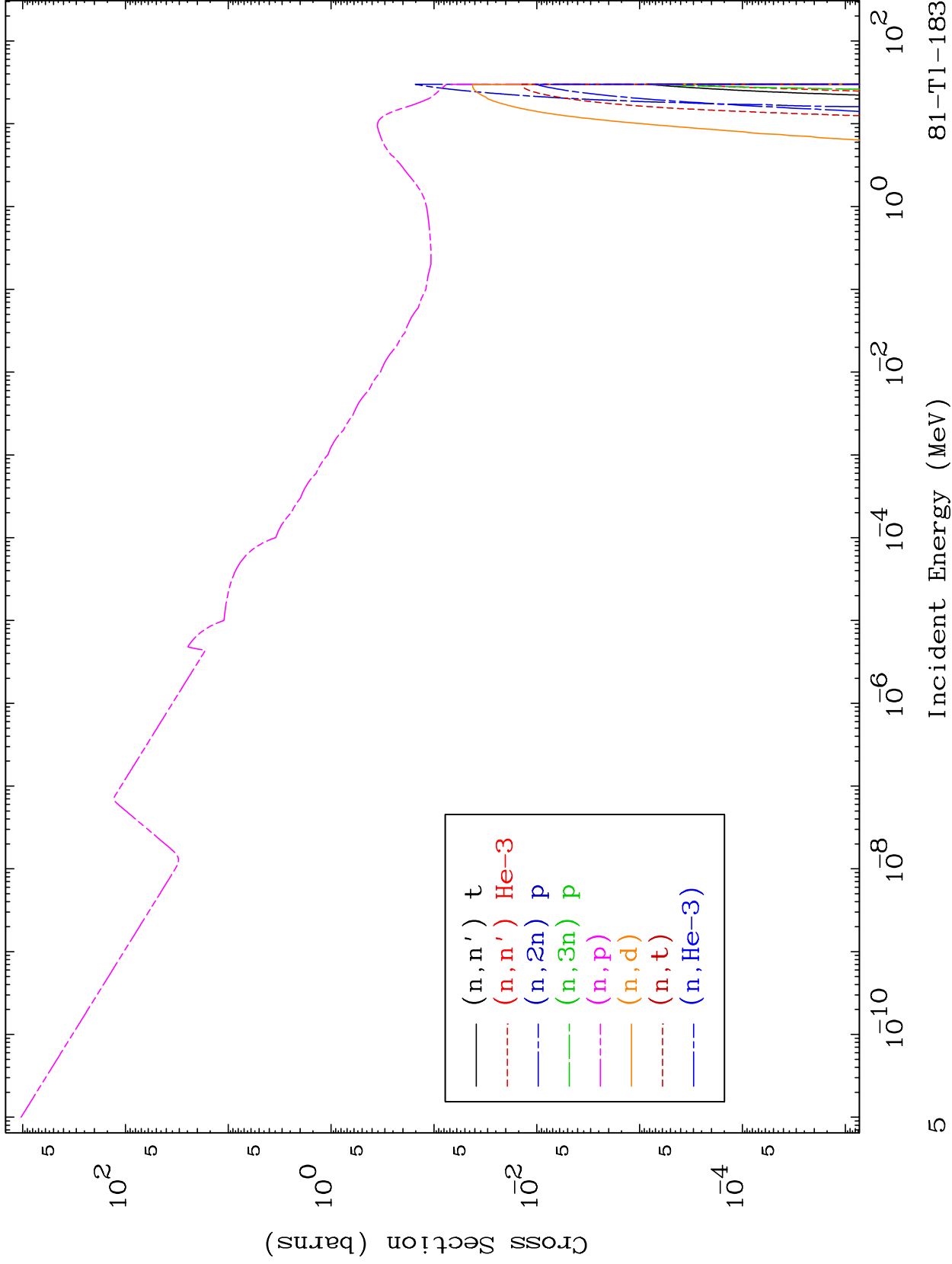
81-Tl-183



MAT 8065

Charged Particle
293 Kelvin Cross Sections

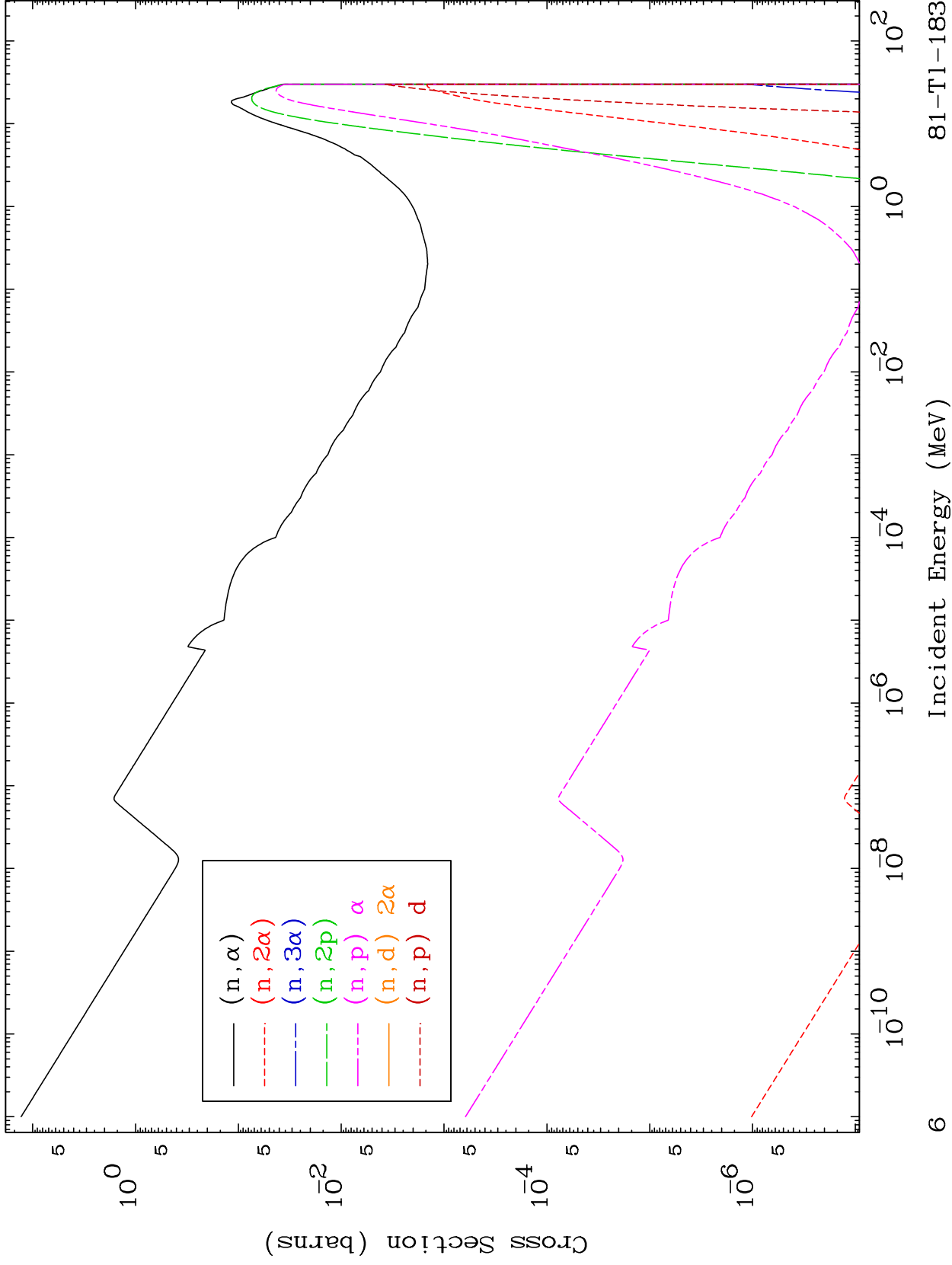
81-Tl-183



MAT 8065

Charged Particle
293 Kelvin Cross Sections

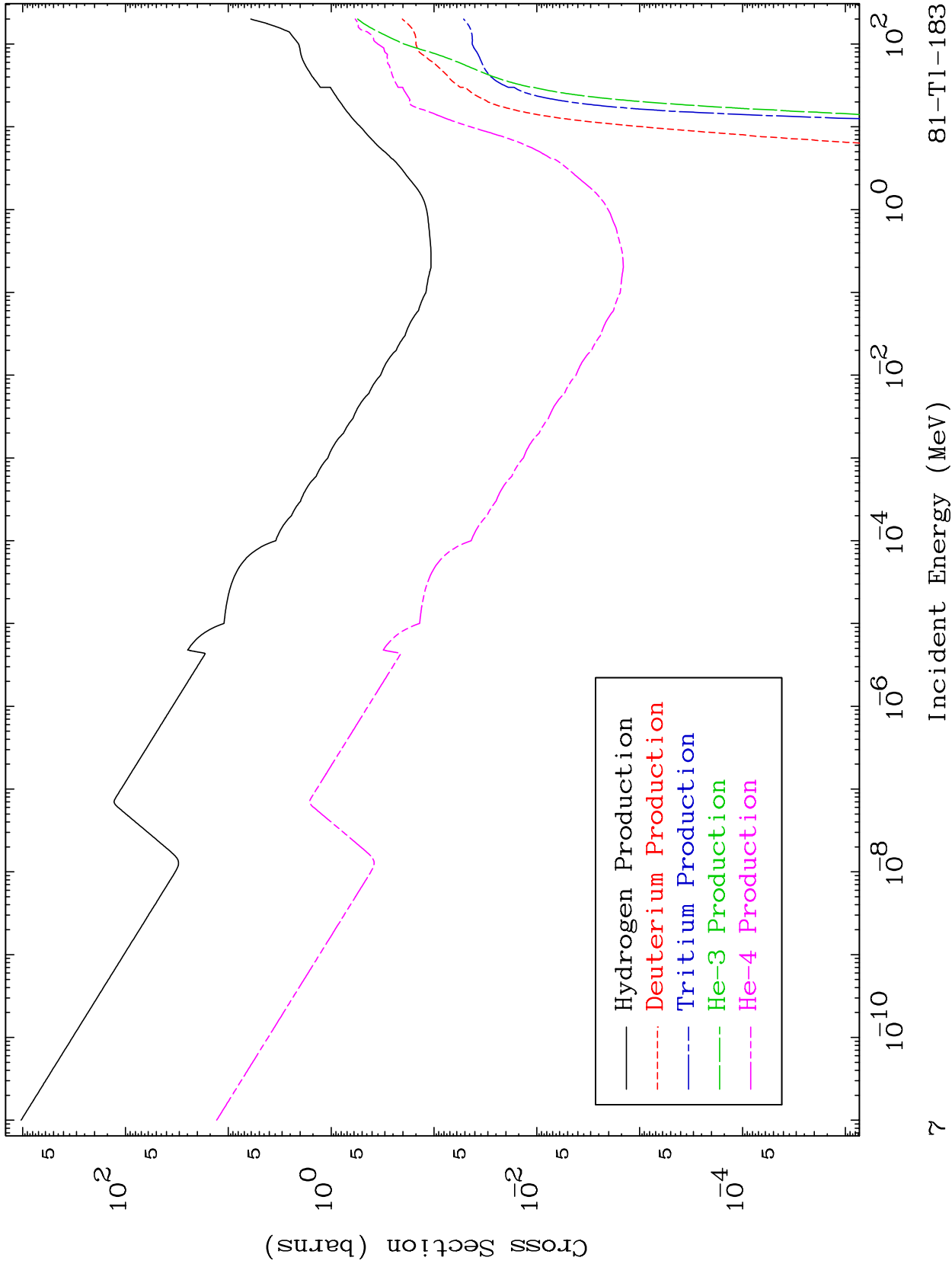
81-Tl-183



MAT 8065

Particle Production
293 Kelvin Cross Sections

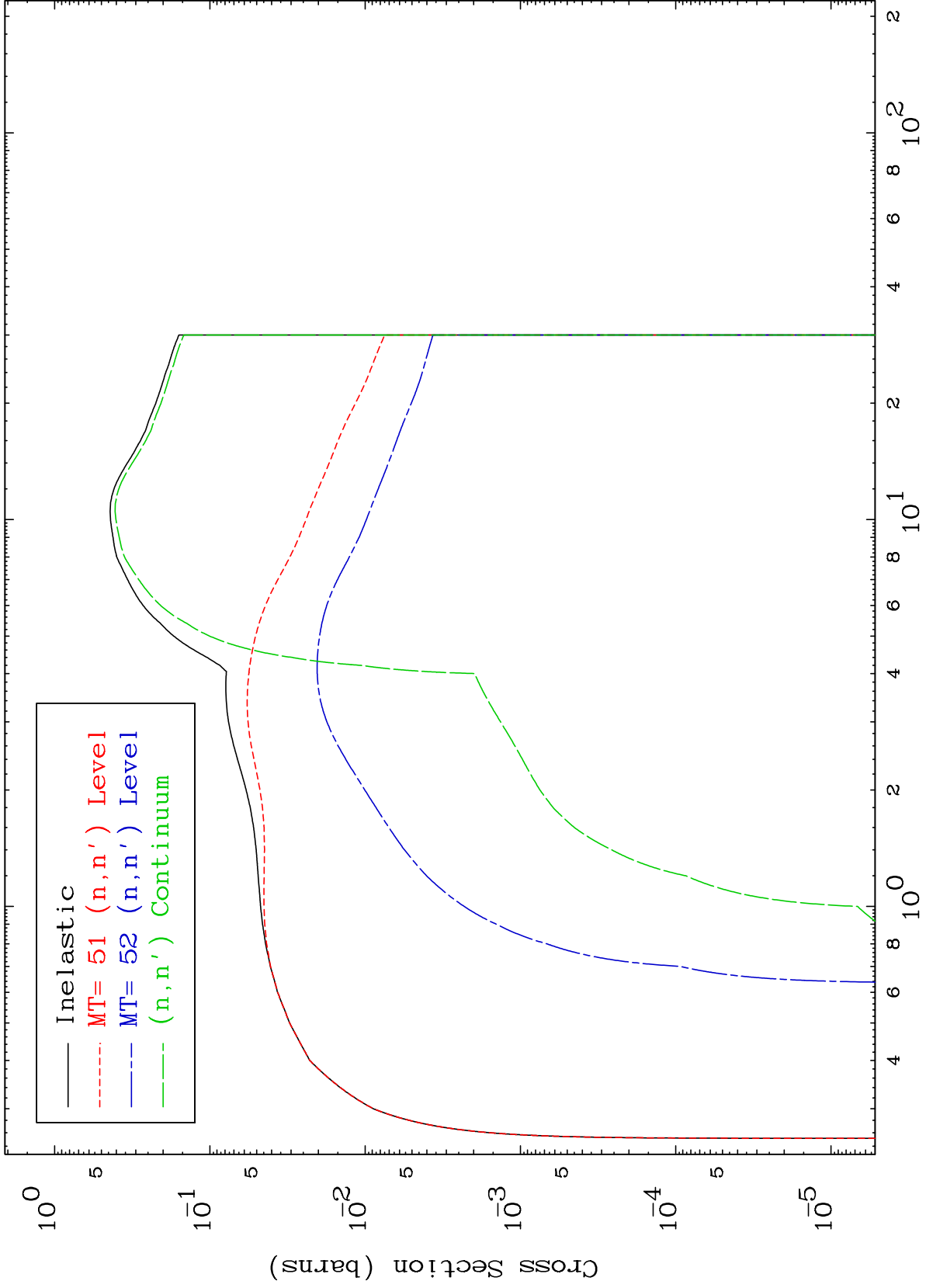
81-T1-183

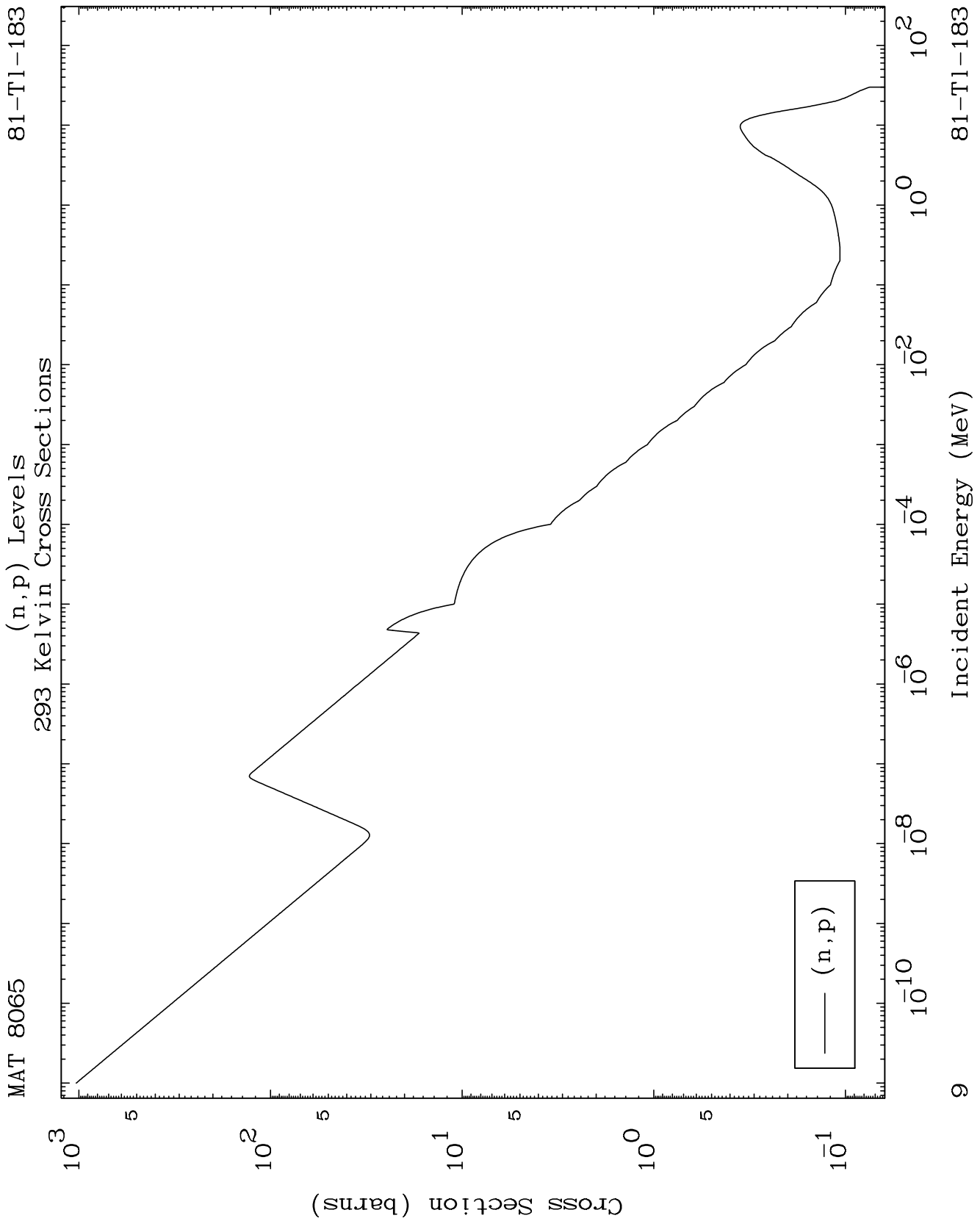


MAT 8065

293 Kelvin Cross Sections
(n,n') Level

81-Tl-183

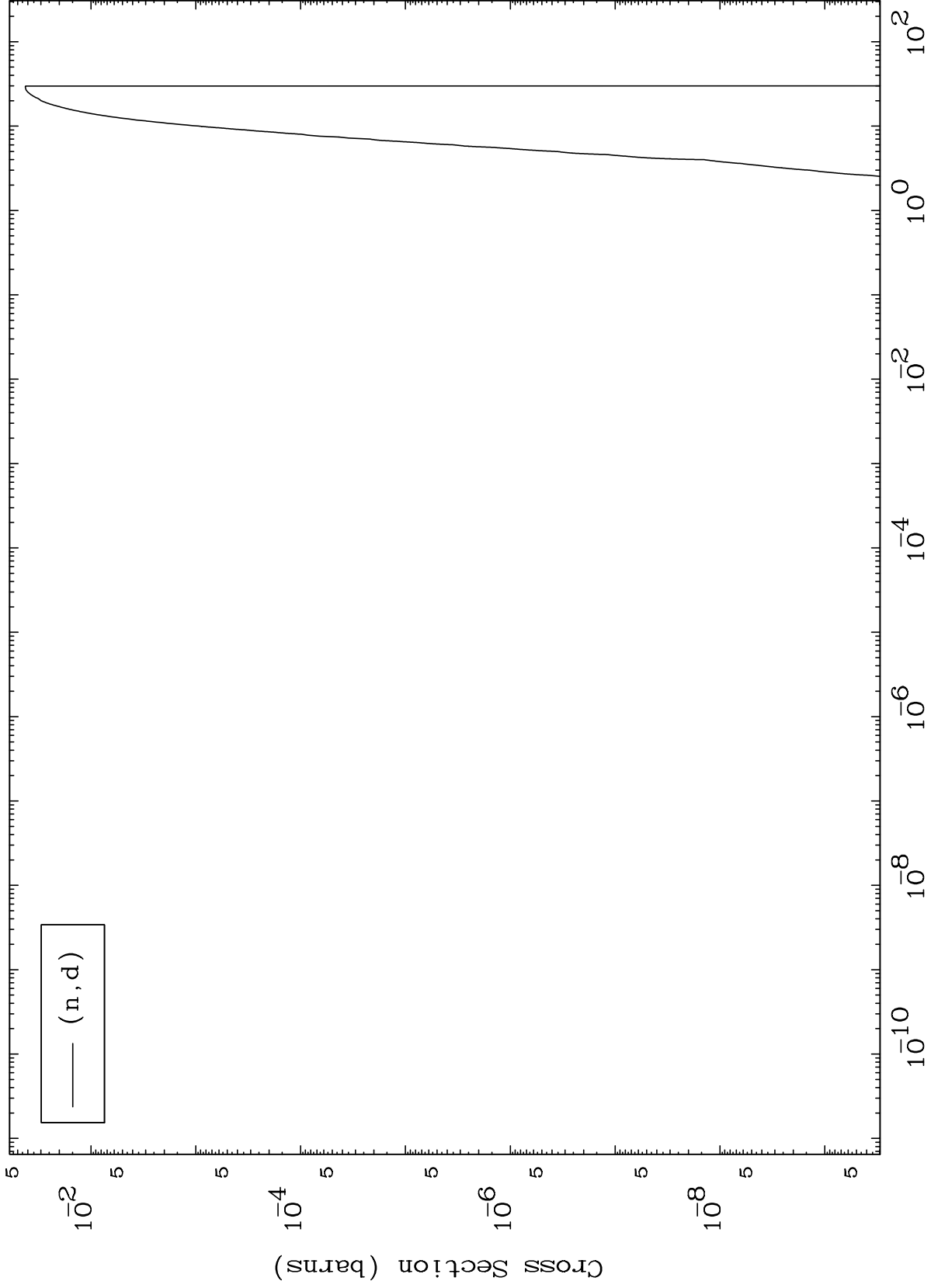




MAT 8065

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-183



10

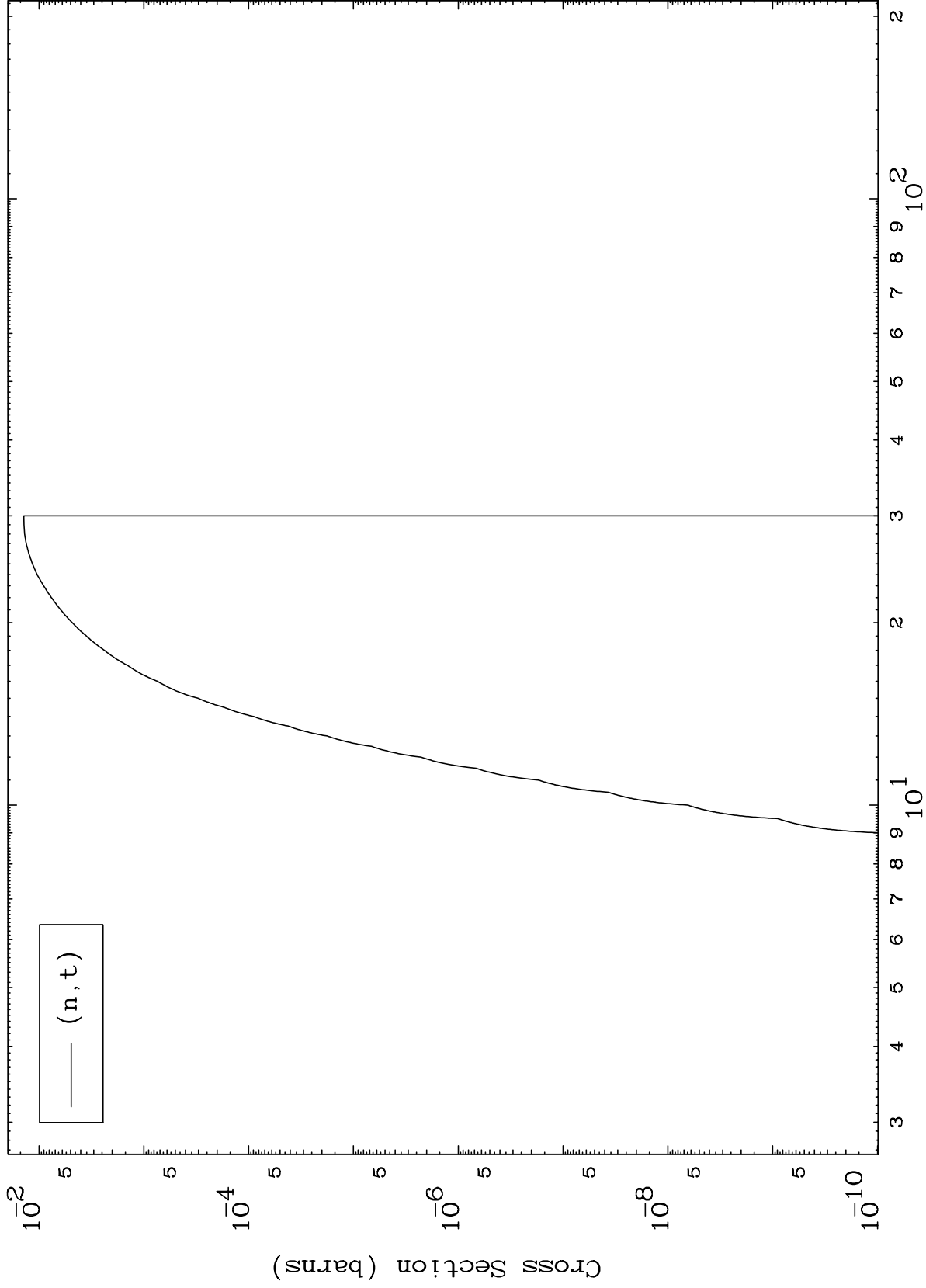
Incident Energy (MeV)

81-Tl-183

MAT 8065

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-183



11

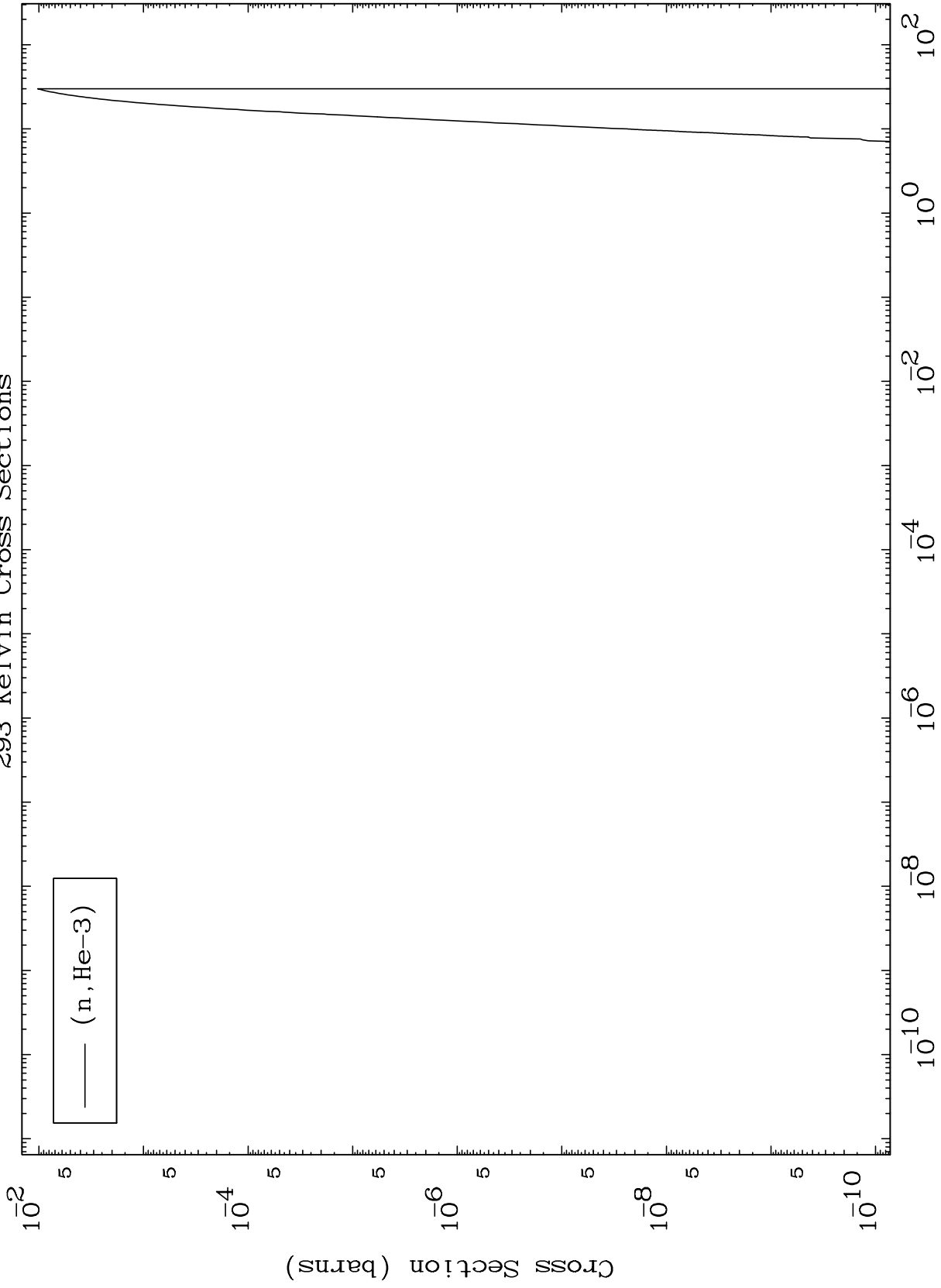
Incident Energy (MeV)

81-Tl-183

MAT 8065

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-183



12

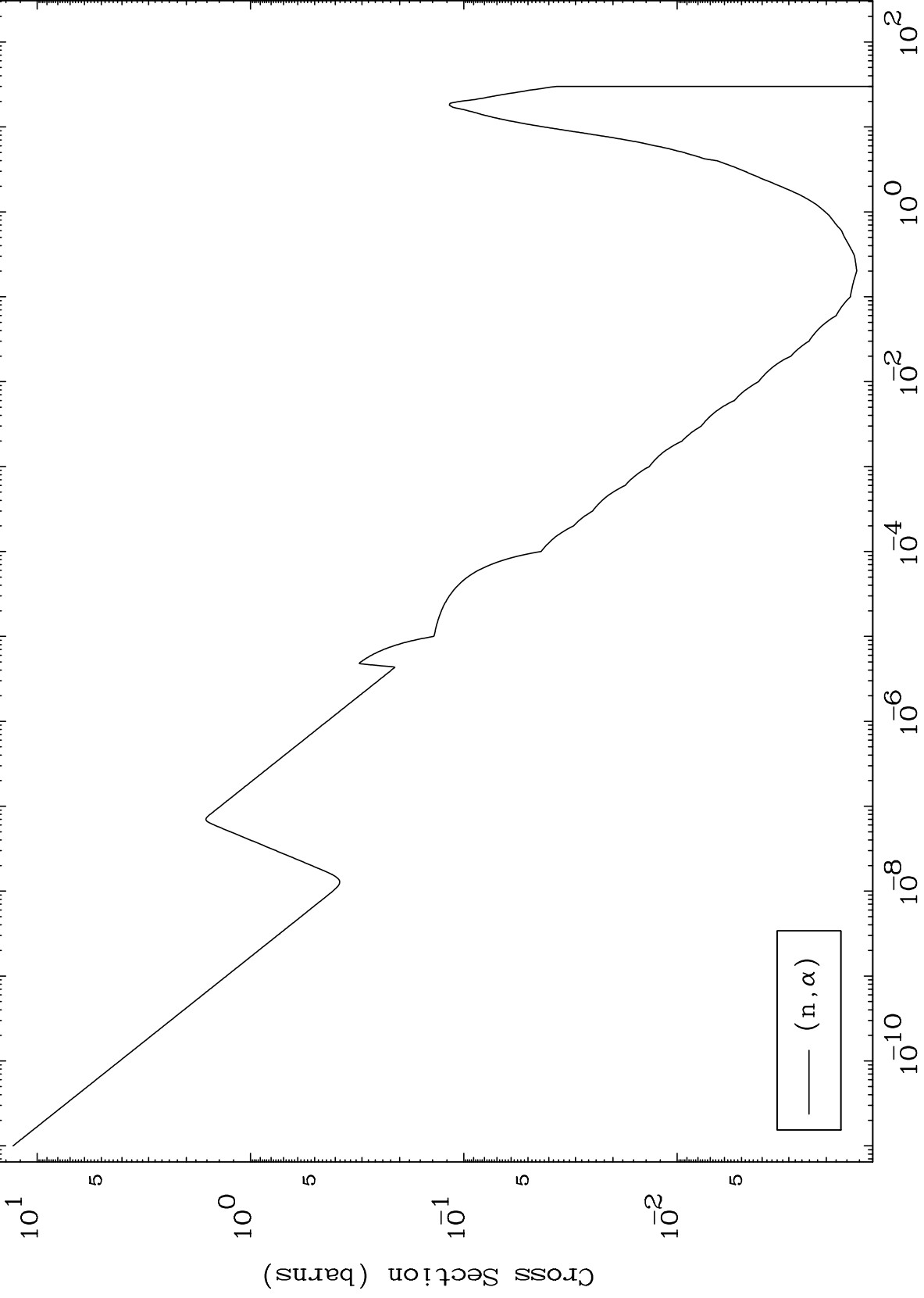
Incident Energy (MeV)

81-Tl-183

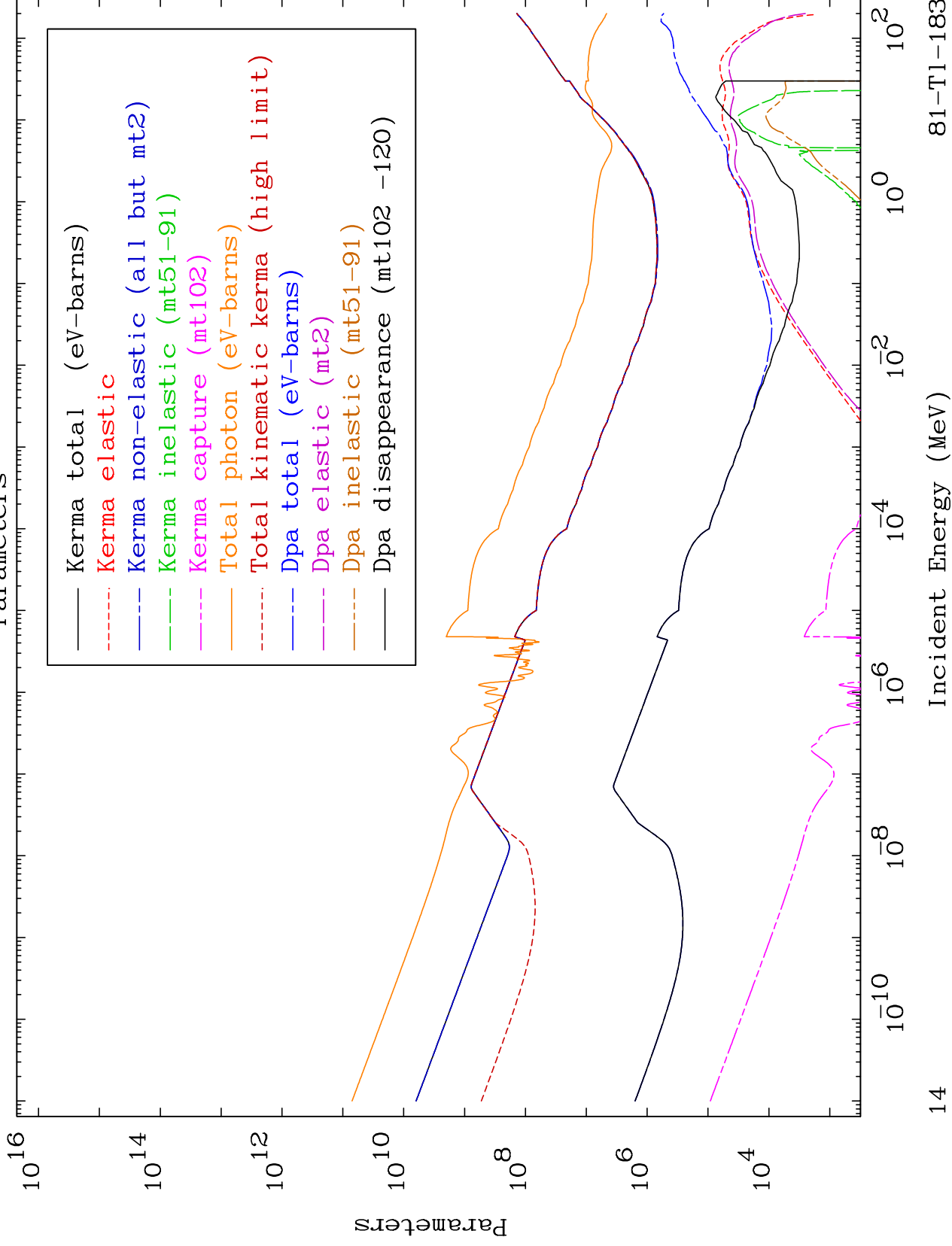
MAT 8065

(n,α) Levels
293 Kelvin Cross Sections

81-Tl-183



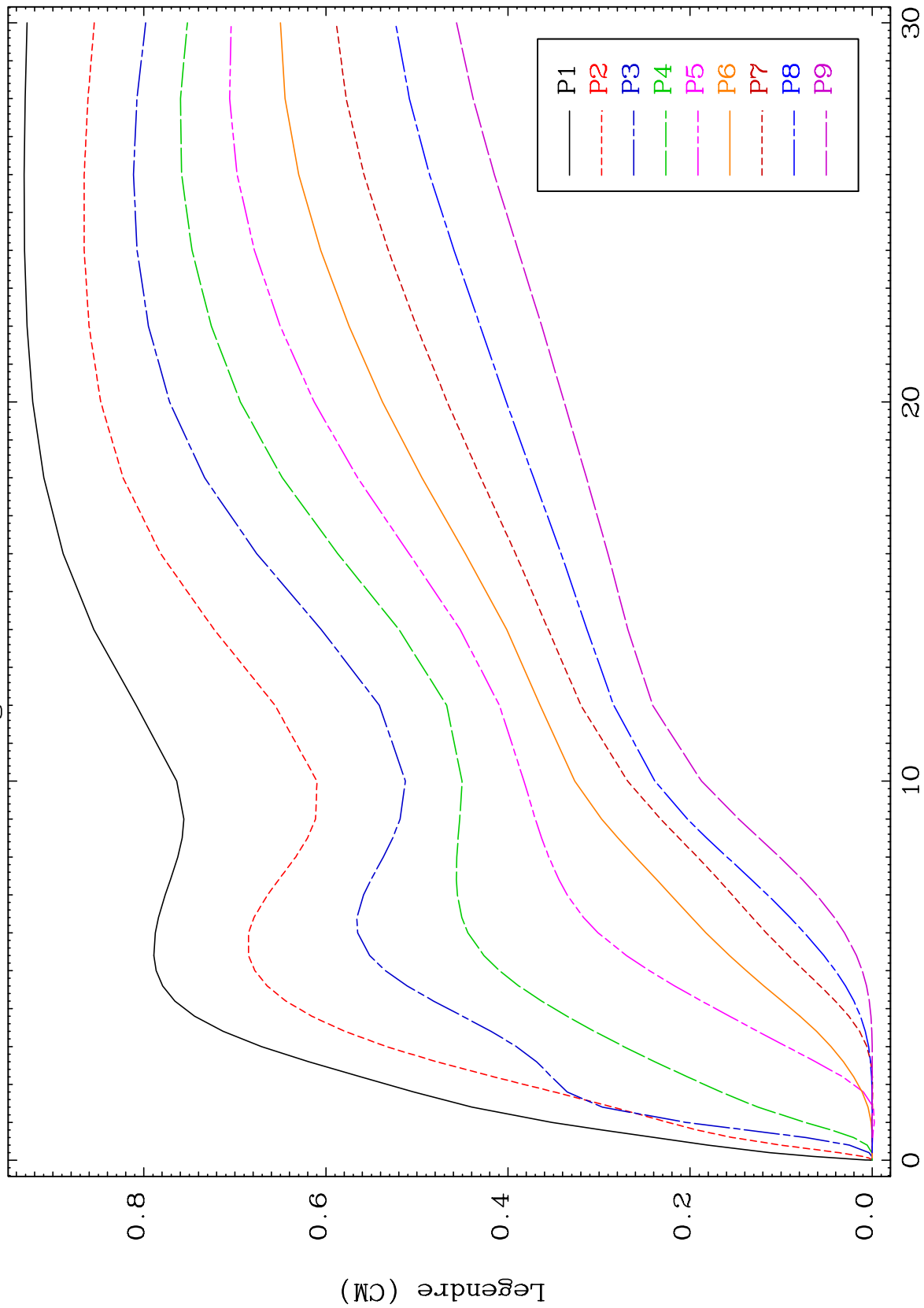
(n,α)



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Elastic Legendre Coefficients

81-T1-183



15

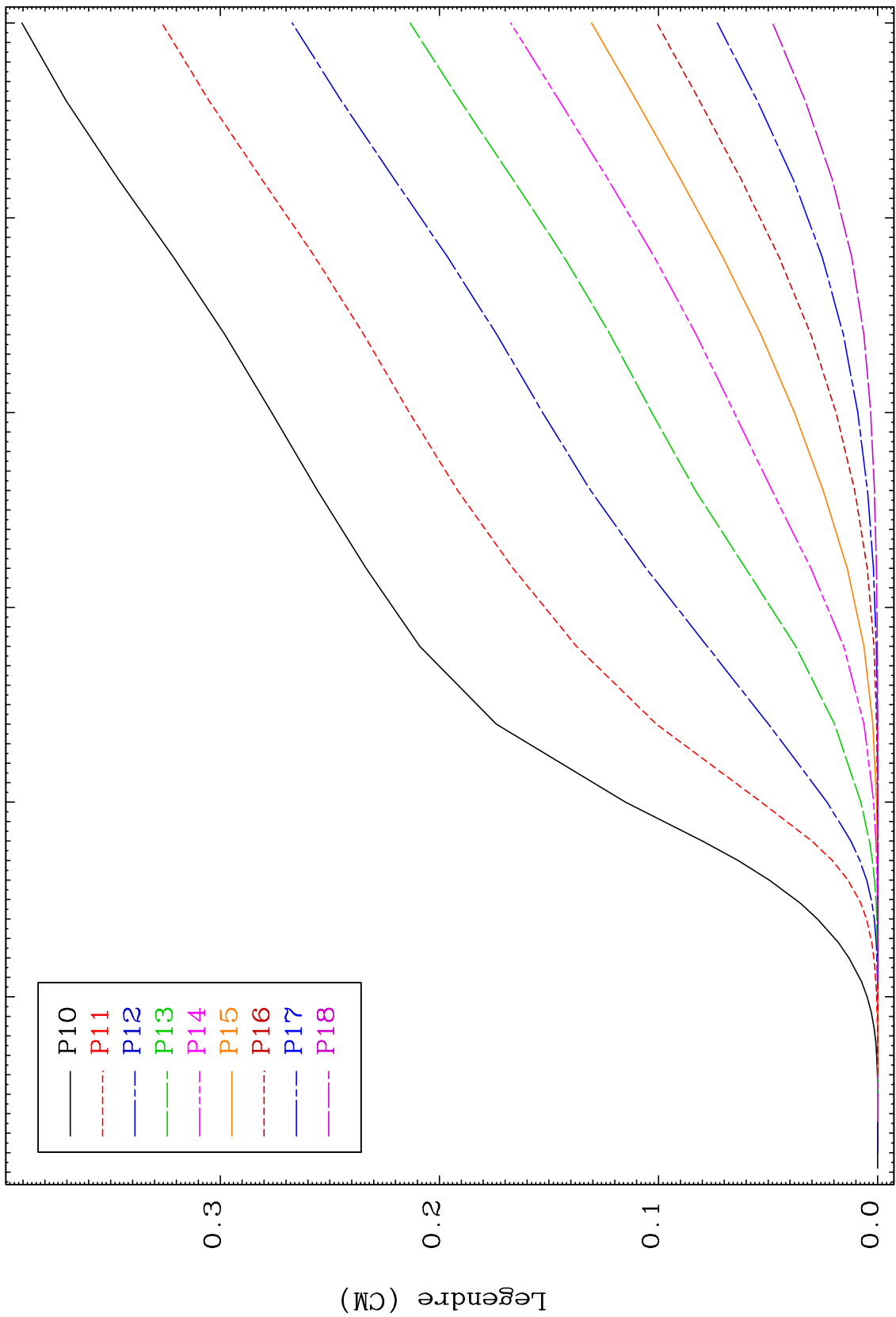
Incident Energy (MeV)

81-T1-183

MAT 8065

Elastic Legendre Coefficients

81-Tl-183



16

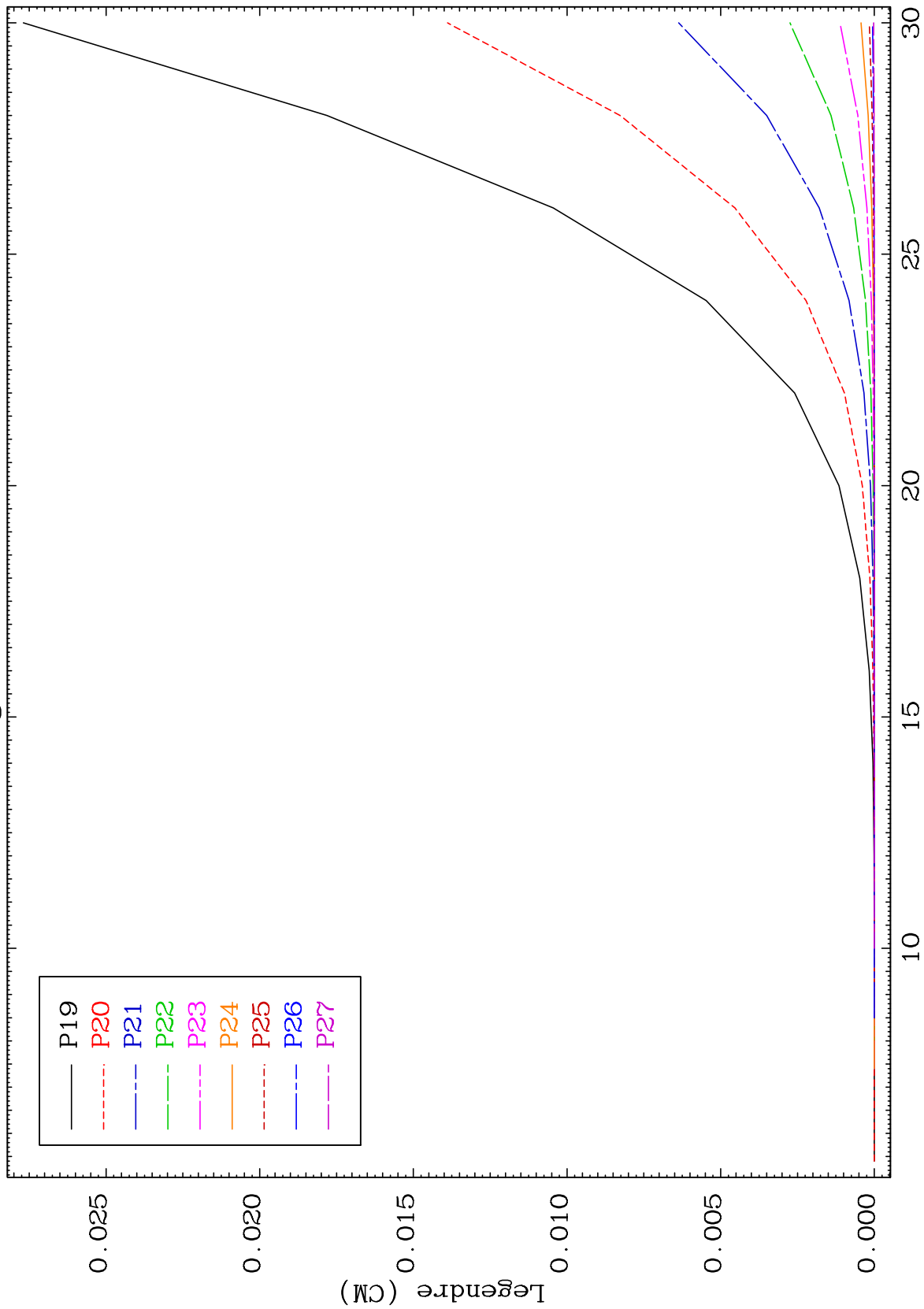
Incident Energy (MeV)

81-Tl-183

MAT 8065

Elastic Legendre Coefficients

81-T1-183



17

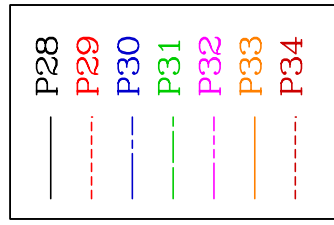
Incident Energy (MeV)

81-T1-183

MAT 8065

Elastic
Legendre Coefficients

81-T1-183



$\times 10^{-6}$

6

4

2

0

15

20

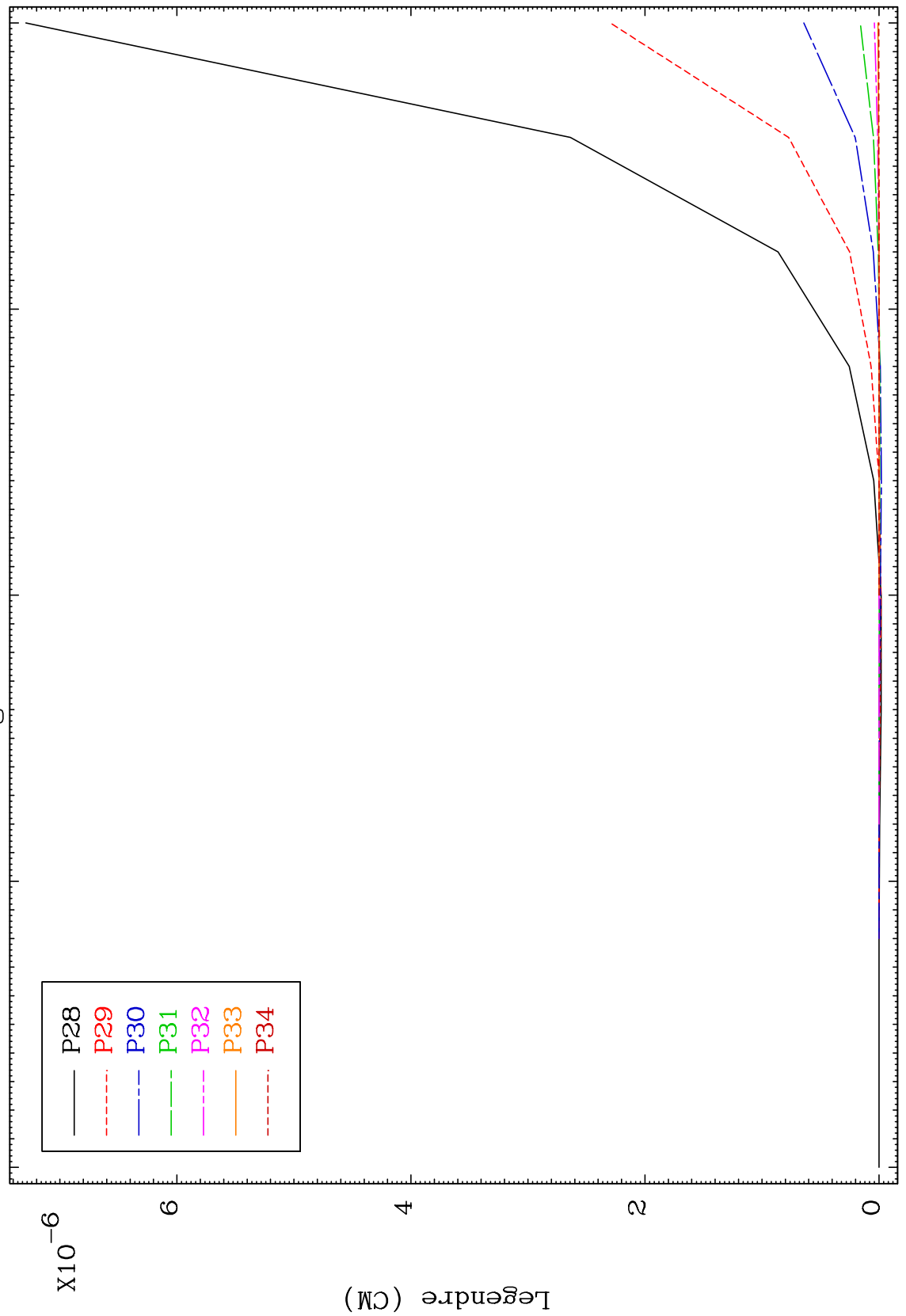
25

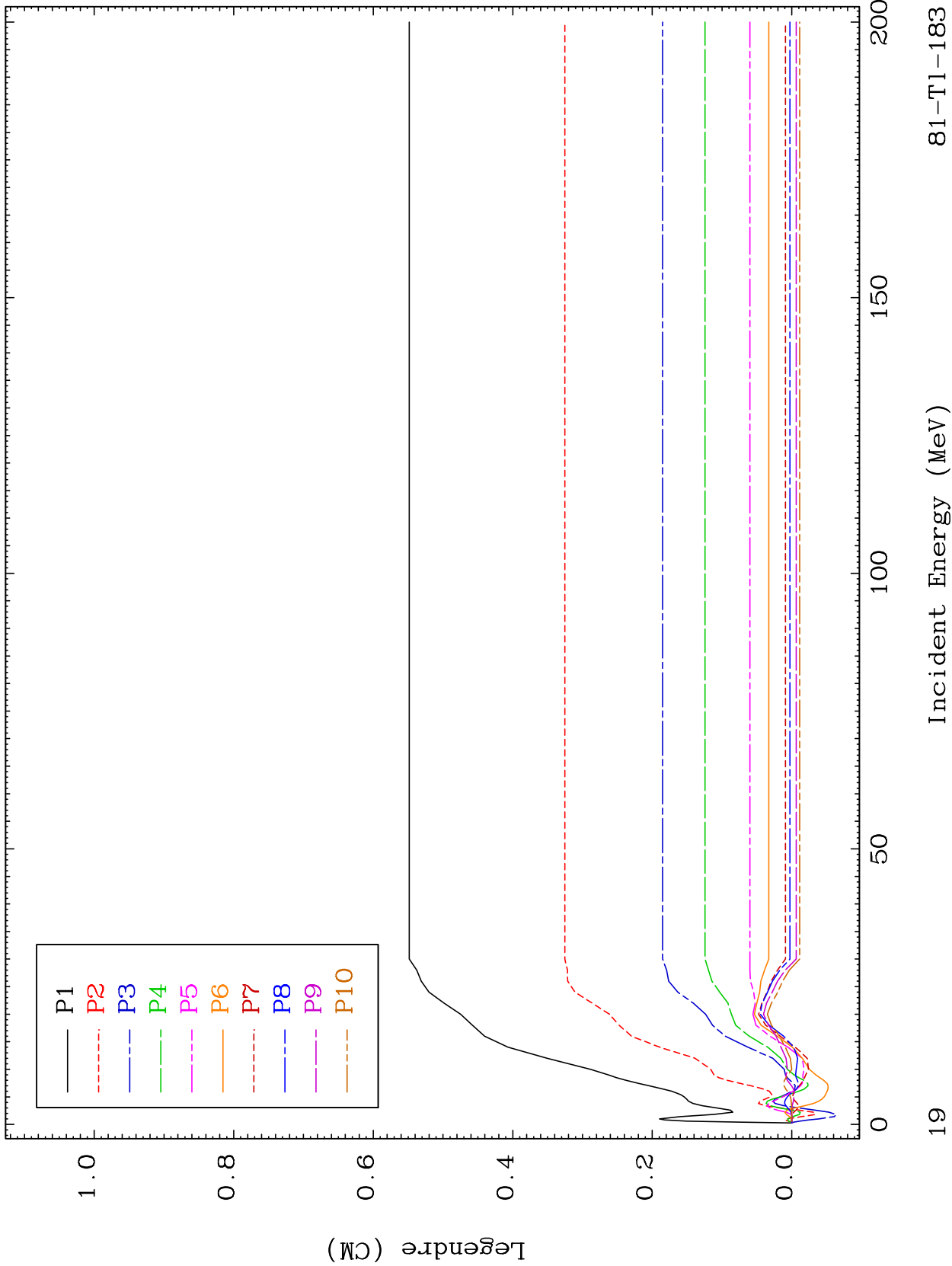
30

18

Incident Energy (MeV)

81-T1-183

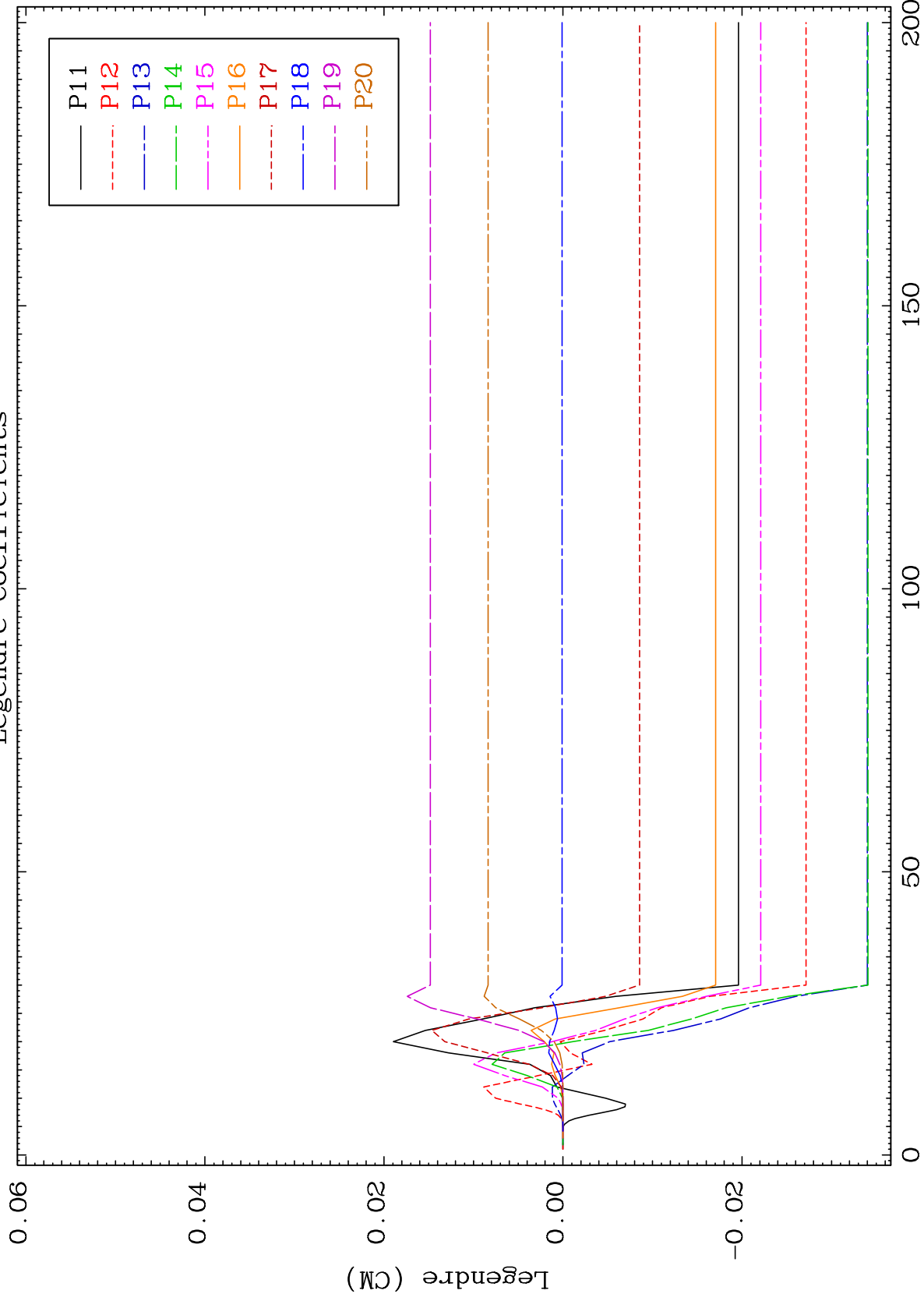




MAT 8065

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

81-Tl-183



81-Tl-183

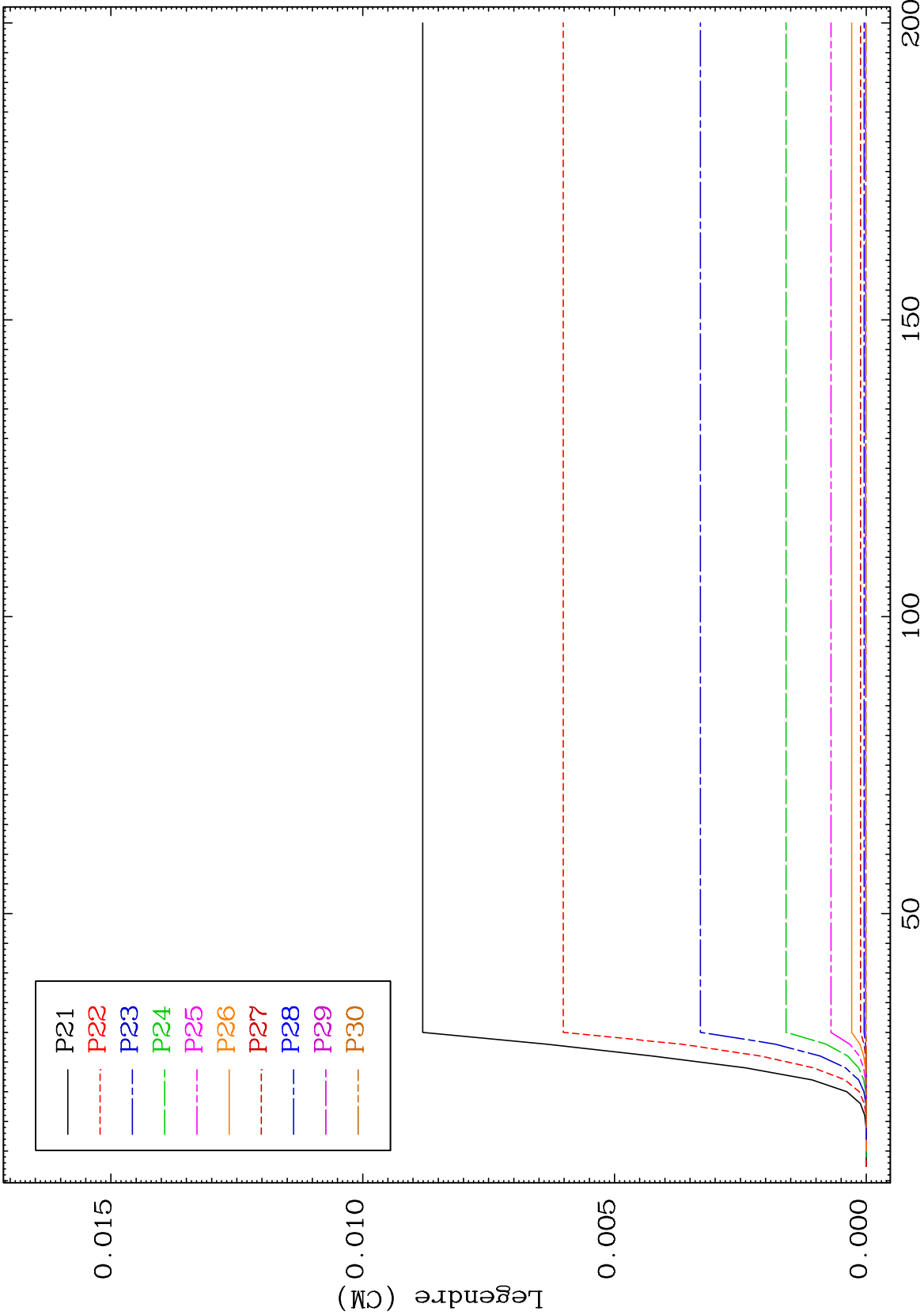
Incident Energy (MeV)

20

MAT 8065

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

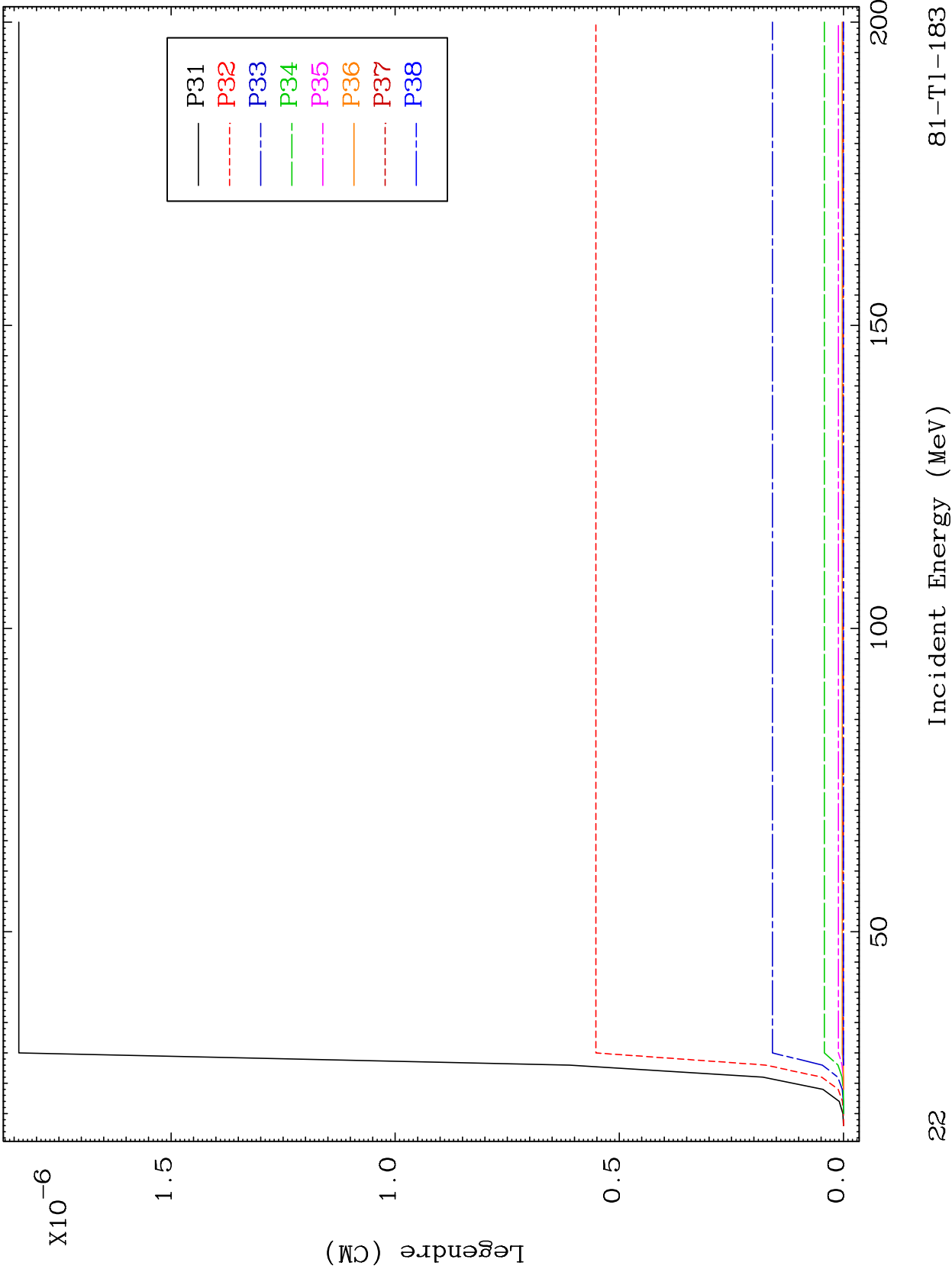
81-Tl-183



21

Incident Energy (MeV)

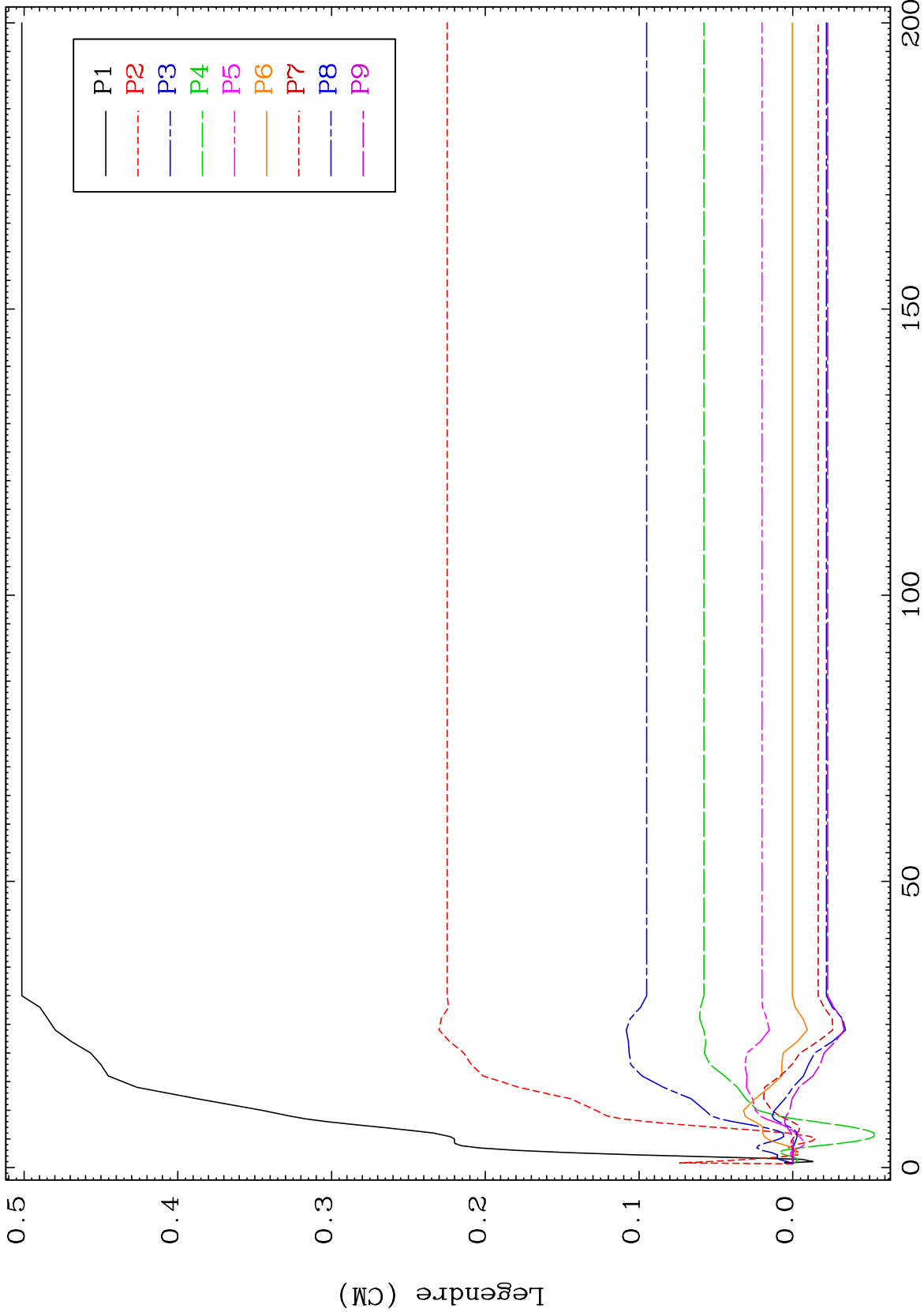
81-Tl-183



MAT 8065

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

81-T1-183



23

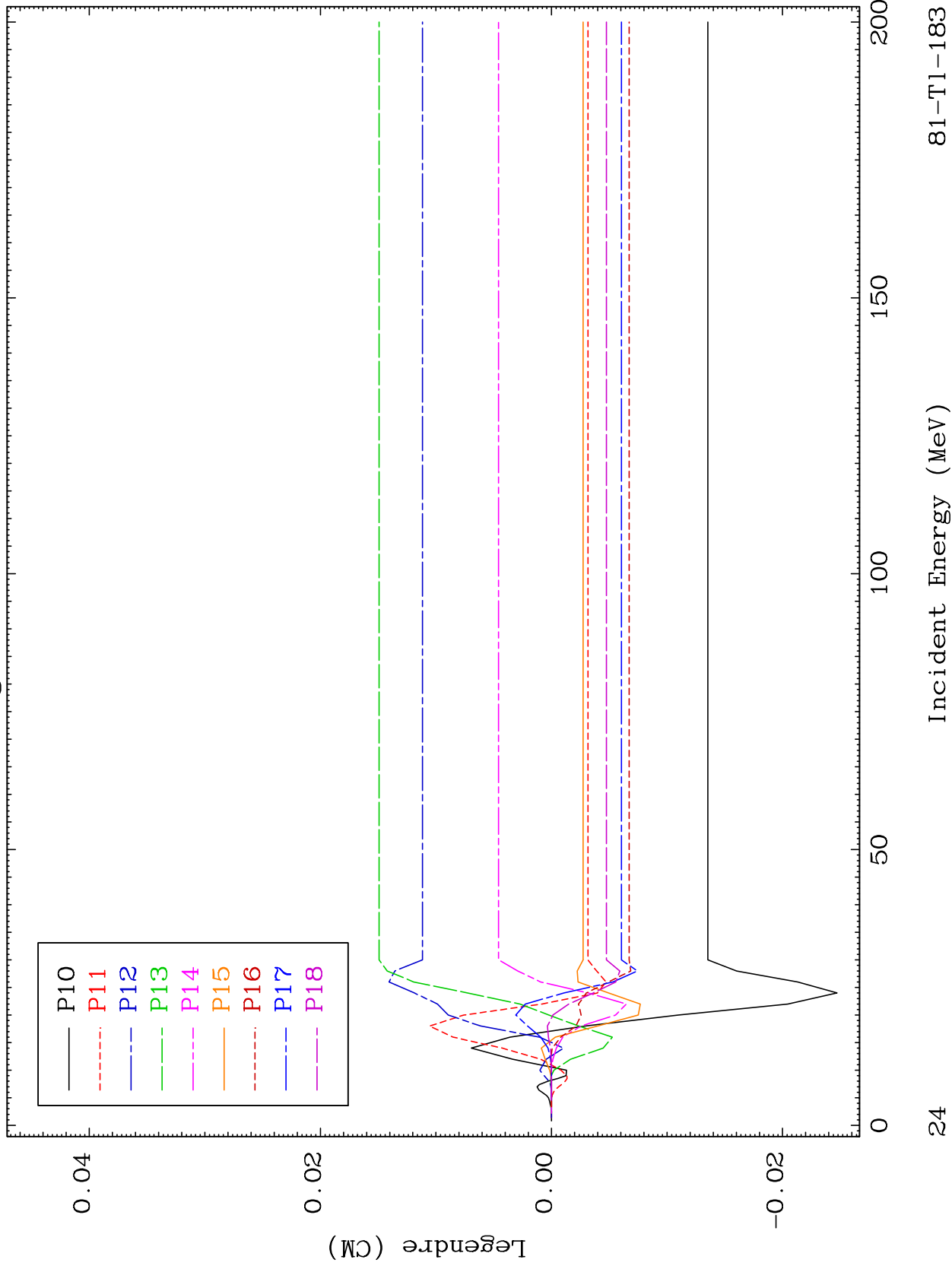
Incident Energy (MeV)

81-T1-183

MAT 8065

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

81-Tl-183



24

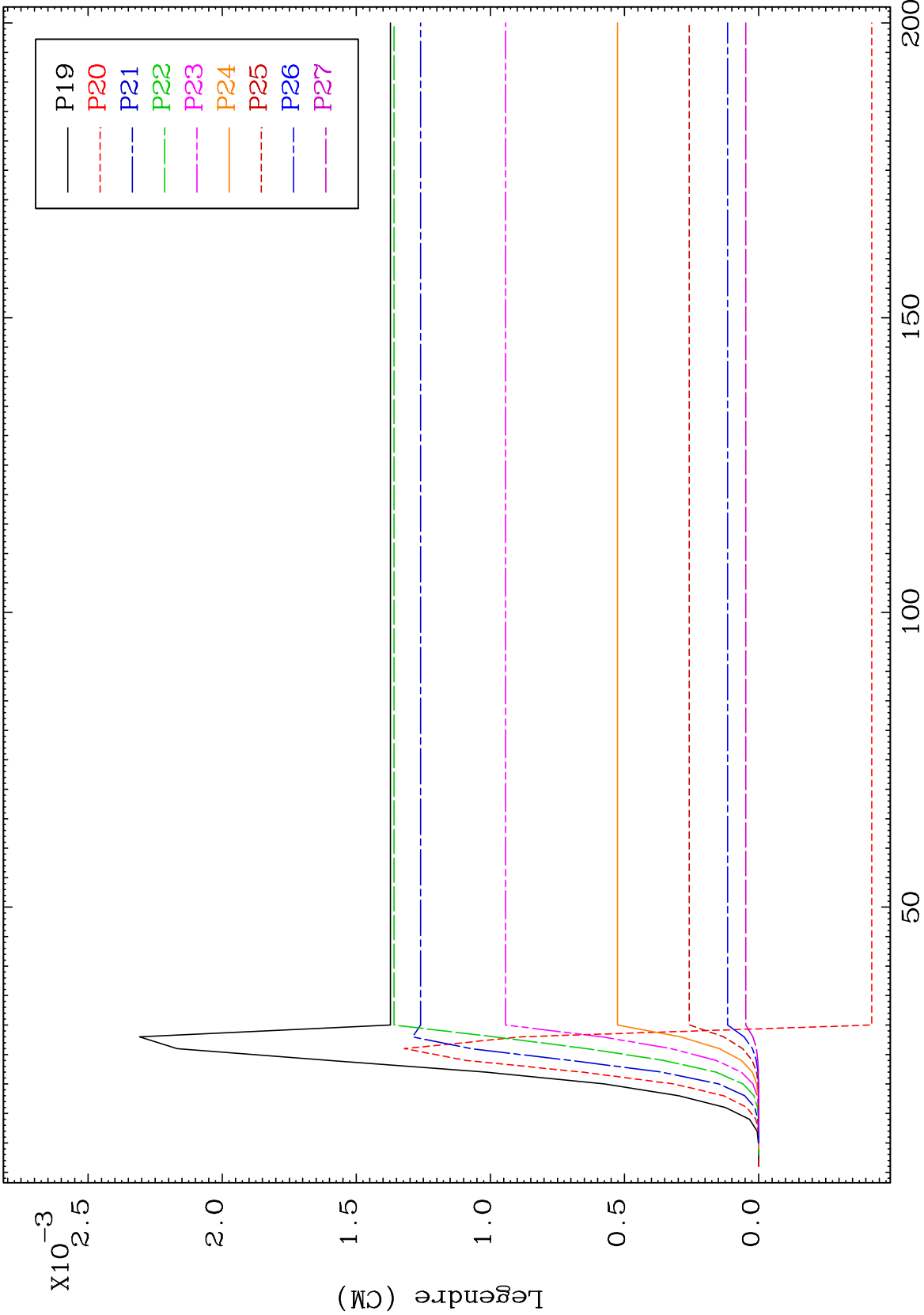
Incident Energy (MeV)

81-Tl-183

MAT 8065

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

81-Tl-183



25

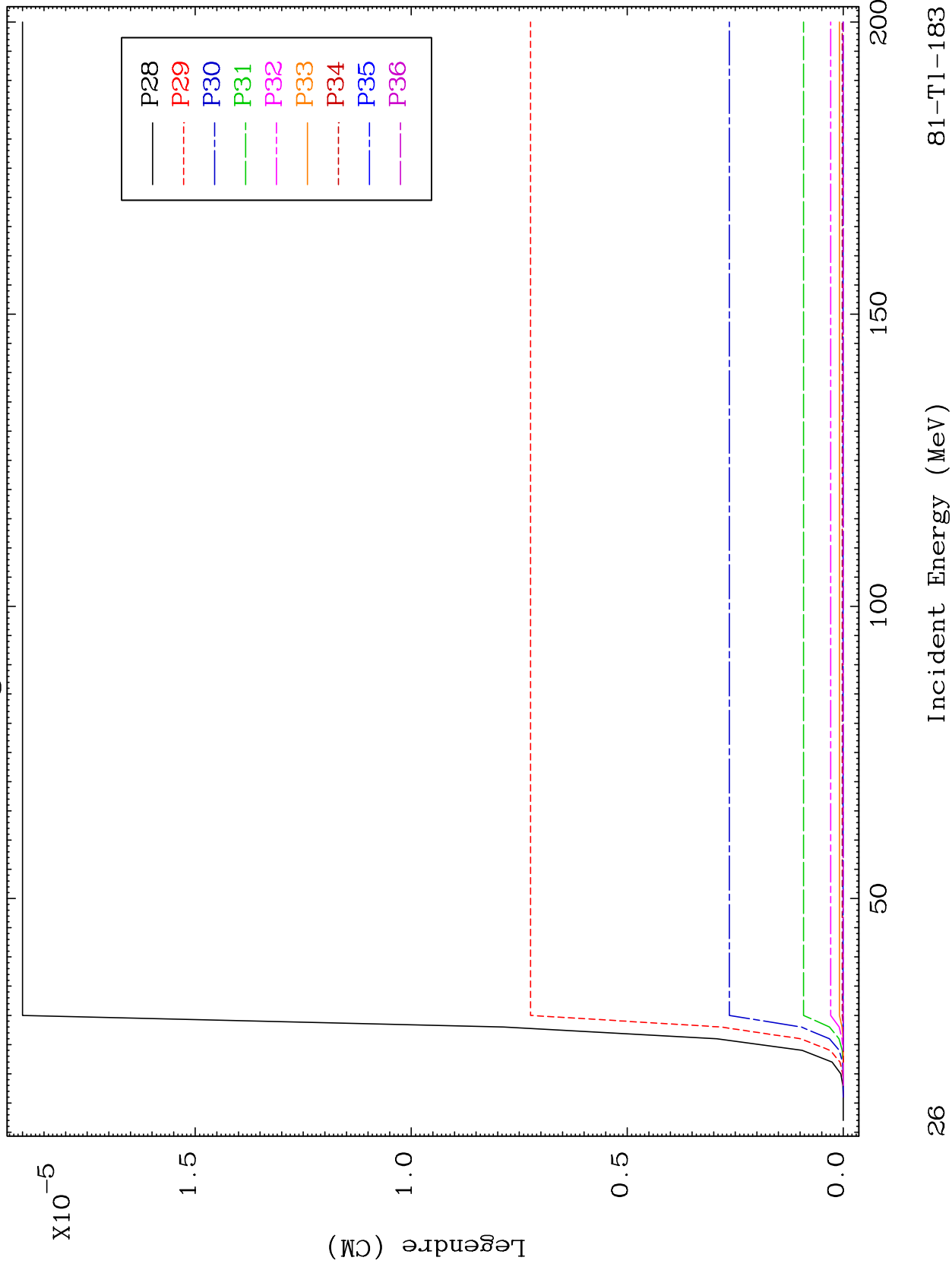
Incident Energy (MeV)

81-Tl-183

MAT 8065

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

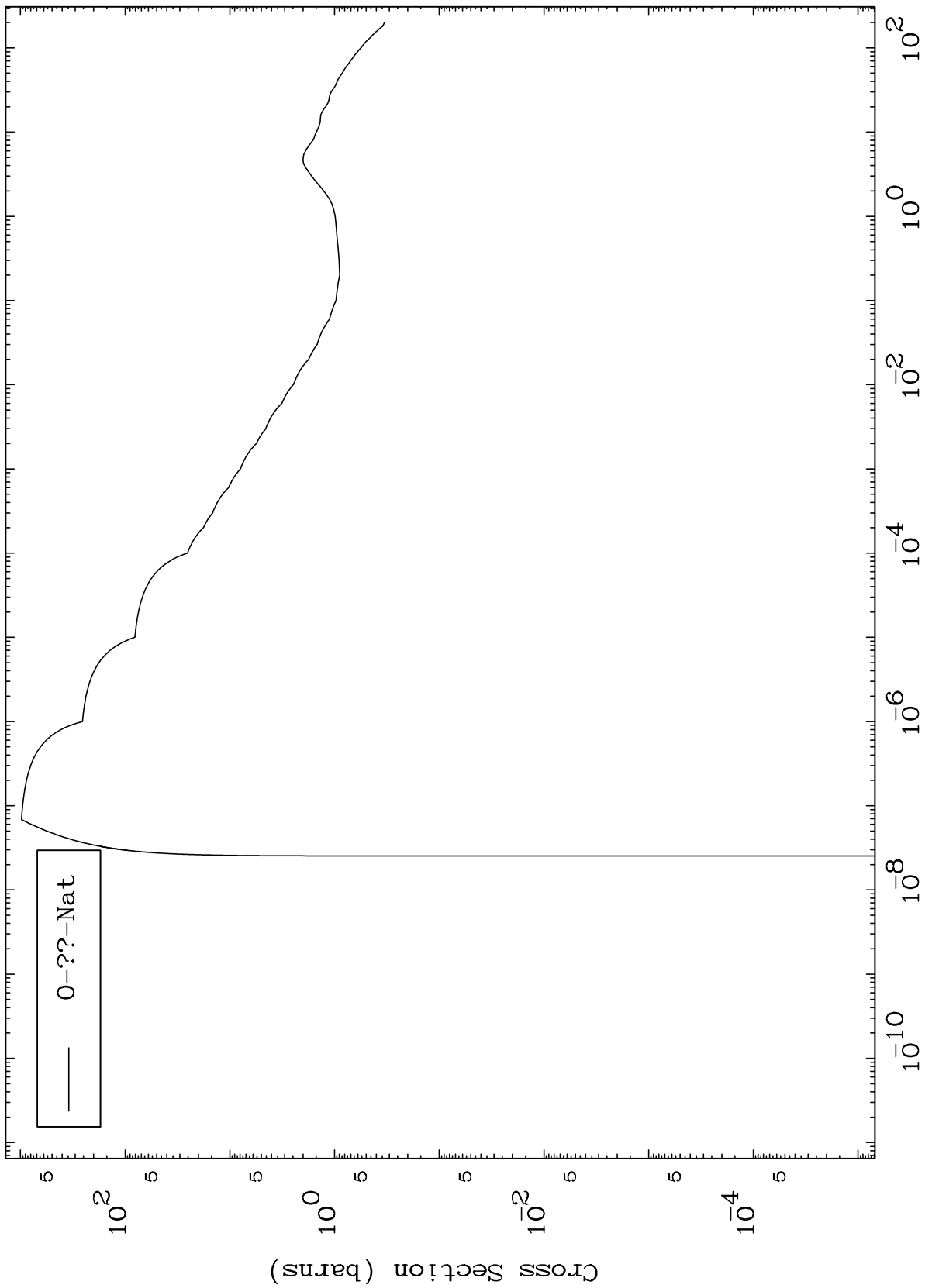
81-Tl-183

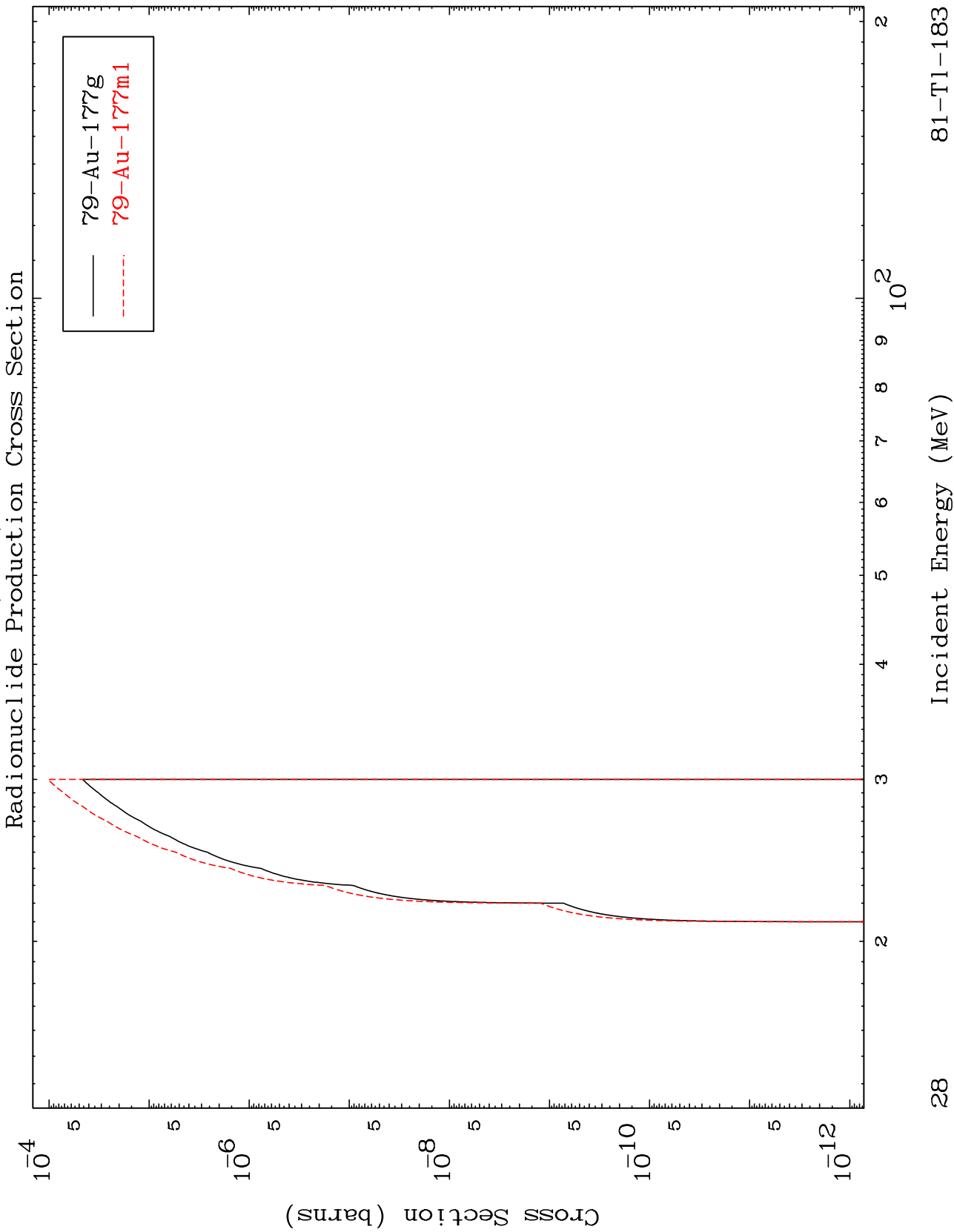


MAT 8065

81-Tl-183

Fission
Radionuclide Production Cross Section



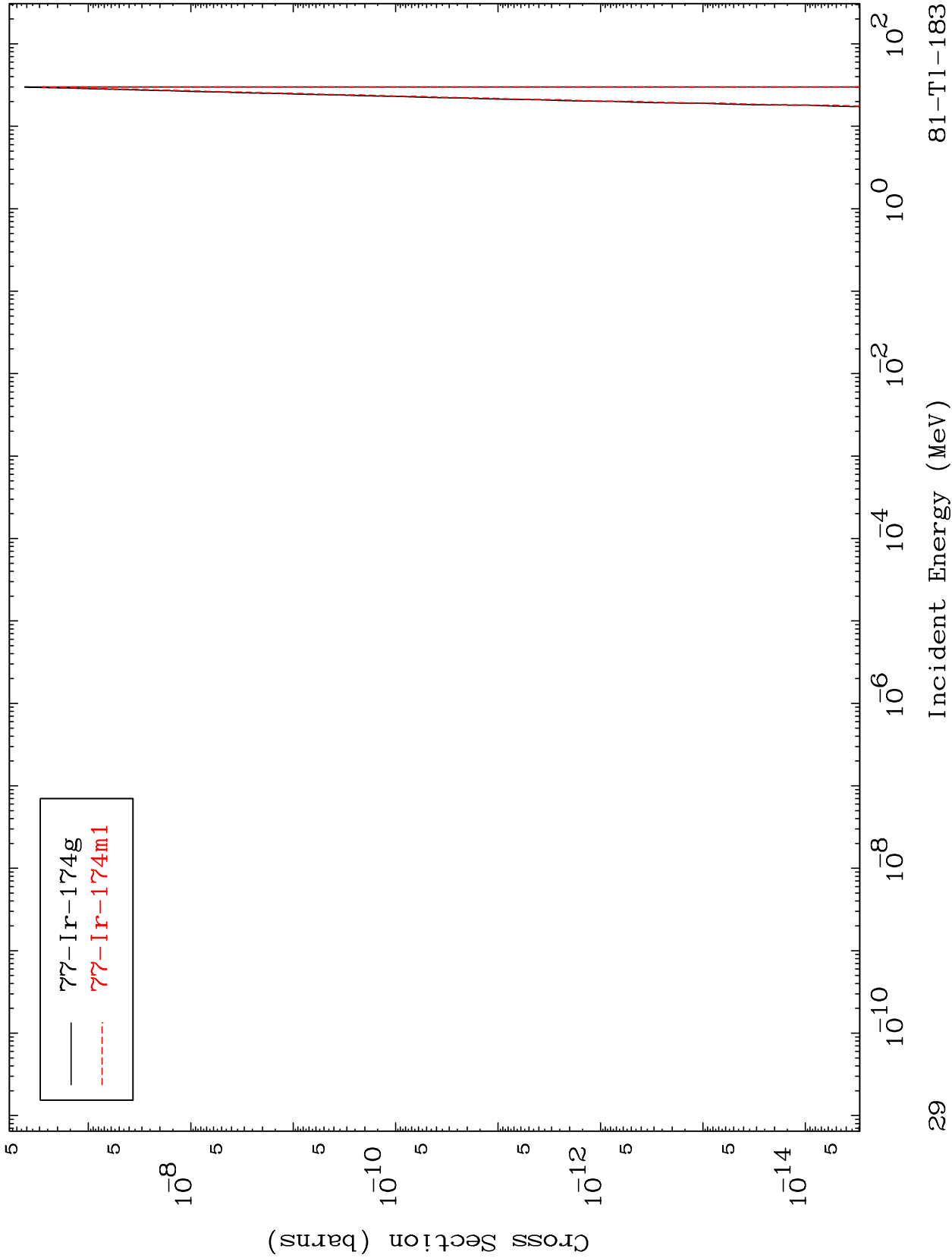


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(n,2n) 2 α

81-Tl-183

Radionuclide Production Cross Section

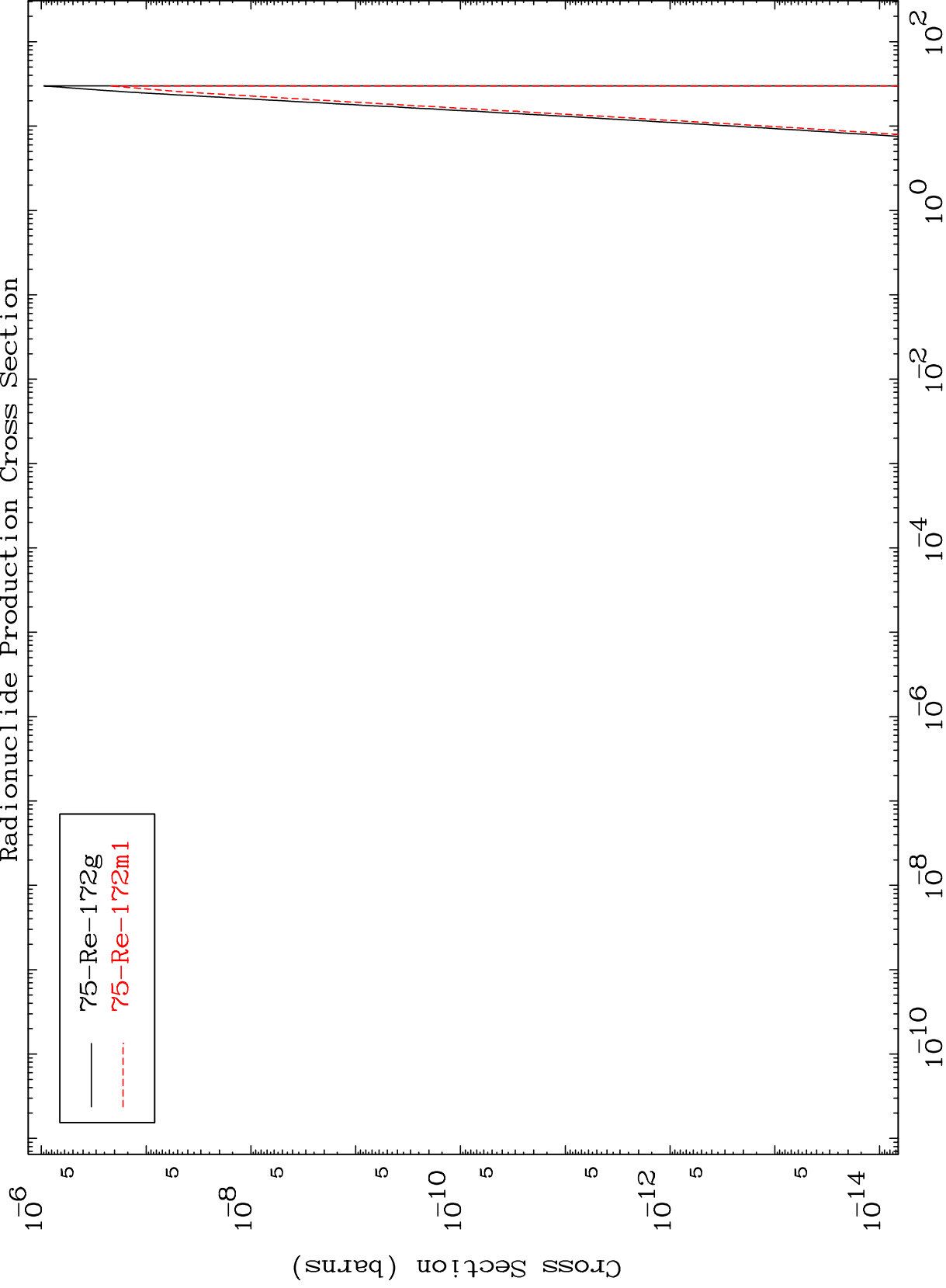


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(n,3α)

81-Tl-183

Radionuclide Production Cross Section



30

Incident Energy (MeV)

81-Tl-183