

Program EVALPLOT
(Version 2015-2)

by

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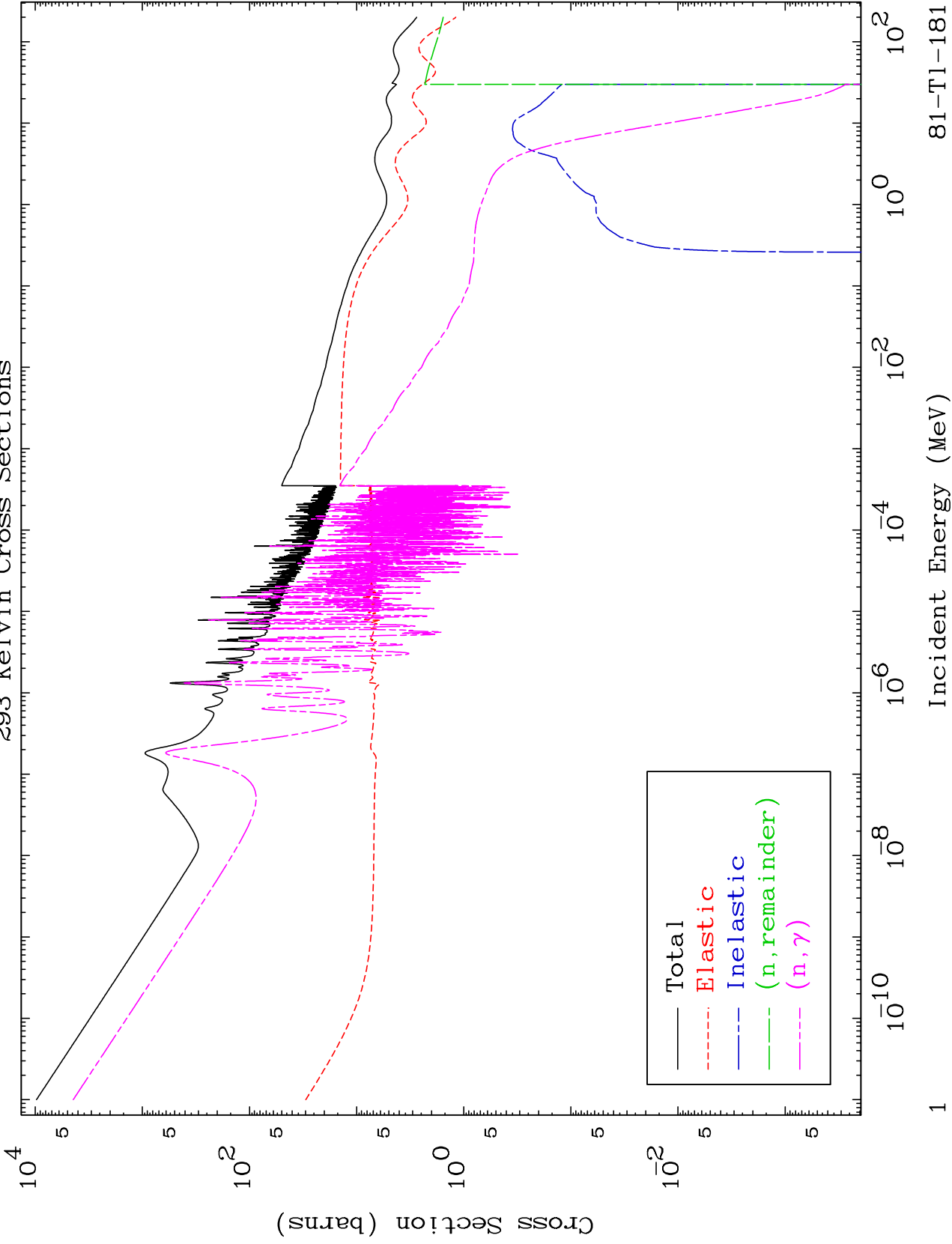
Press Mouse Button to Start

MAT 8059

Major

293 Kelvin Cross Sections

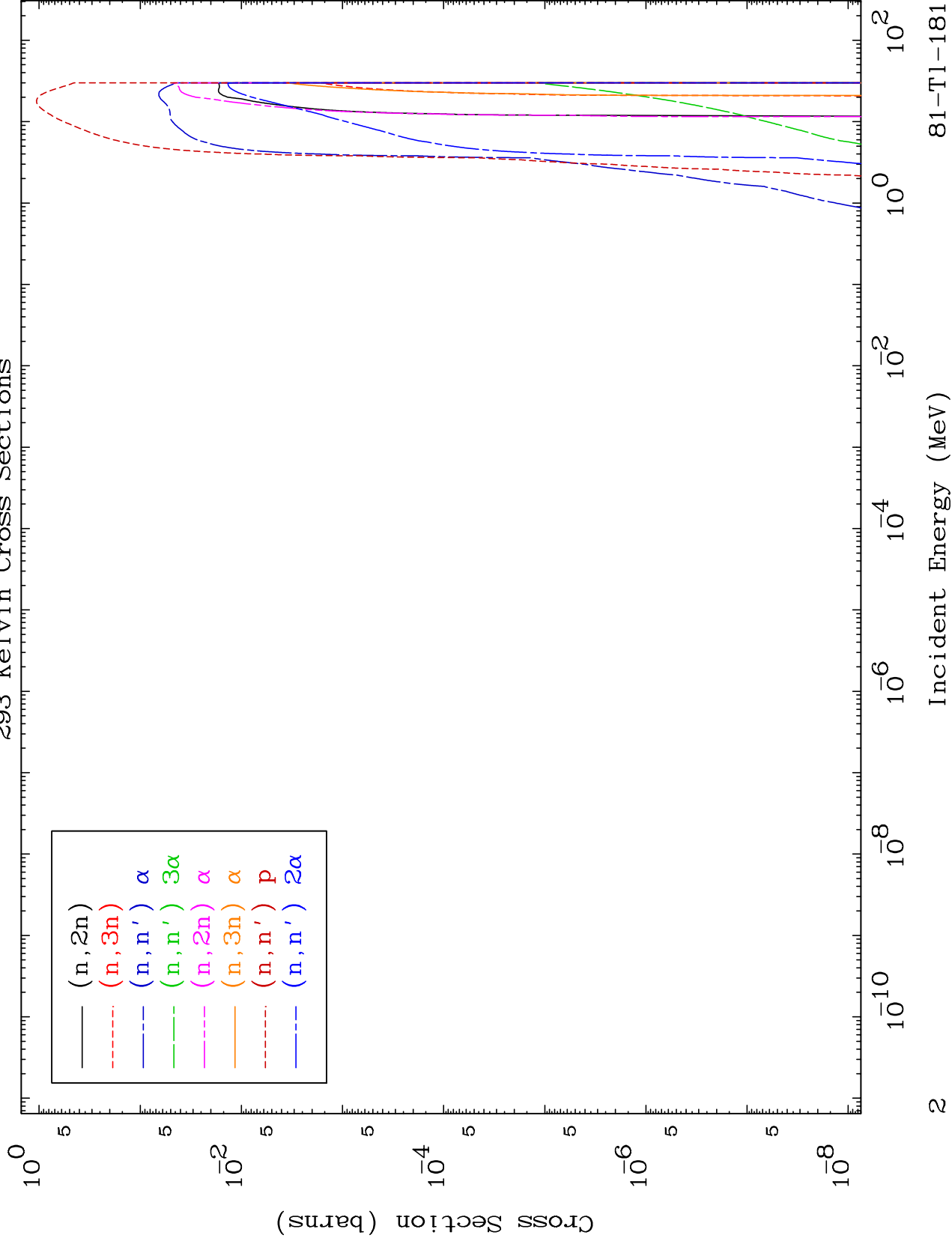
81-Tl-181



MAT 8059

Neutron Production
293 Kelvin Cross Sections

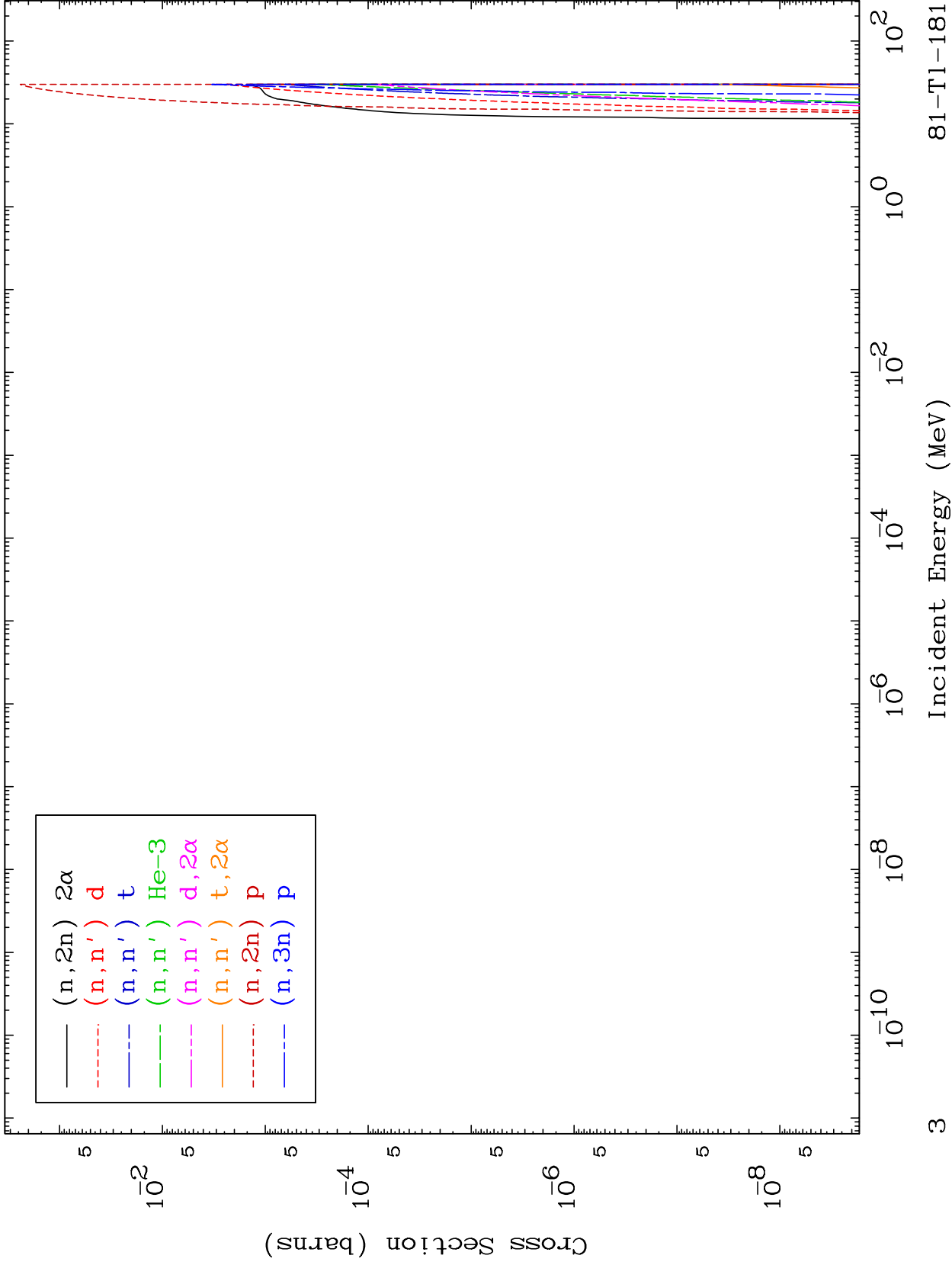
81-Tl-181



MAT 8059

Neutron Production
293 Kelvin Cross Sections

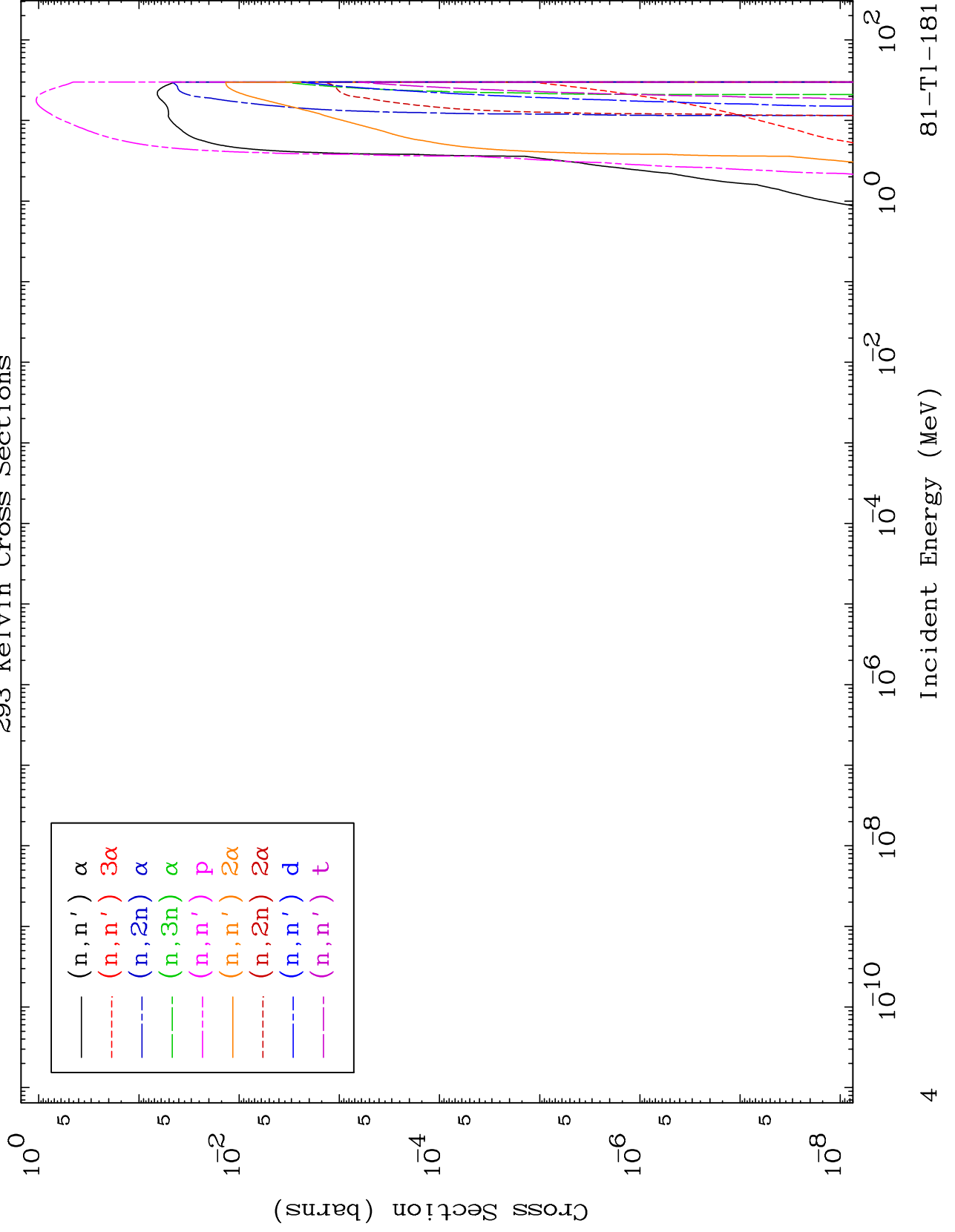
81-Tl-181



MAT 8059

Charged Particle
293 Kelvin Cross Sections

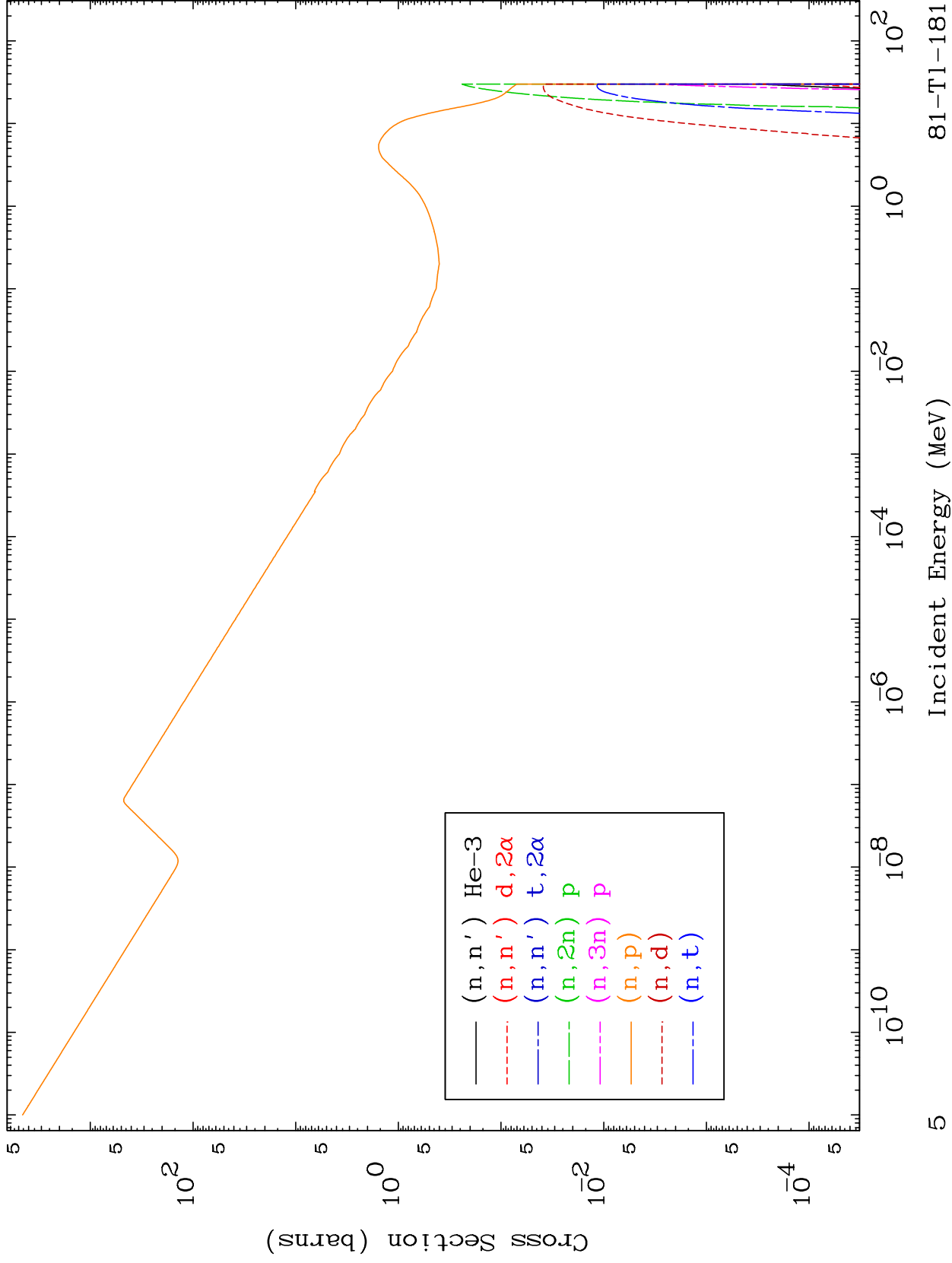
81-Tl-181

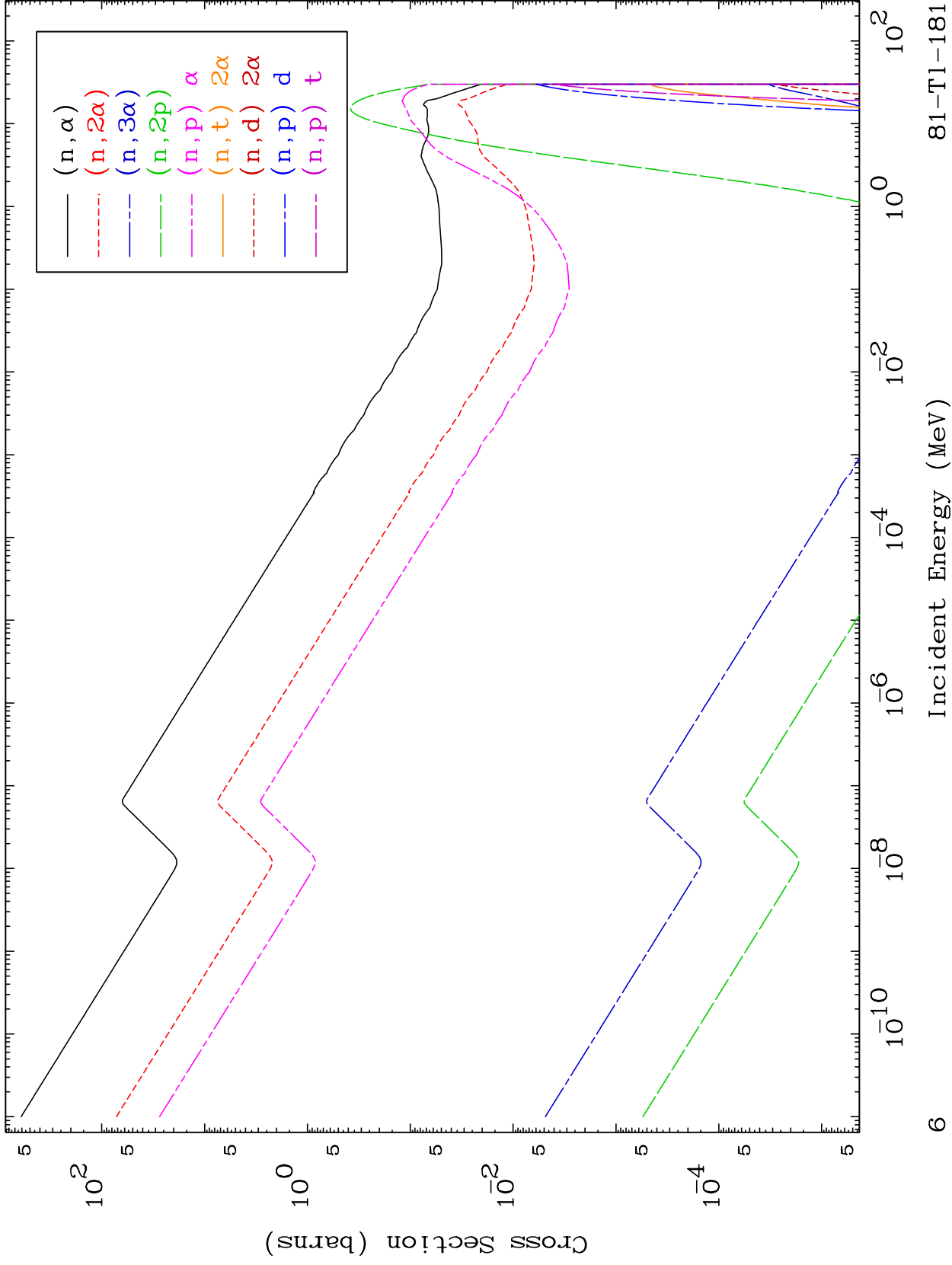


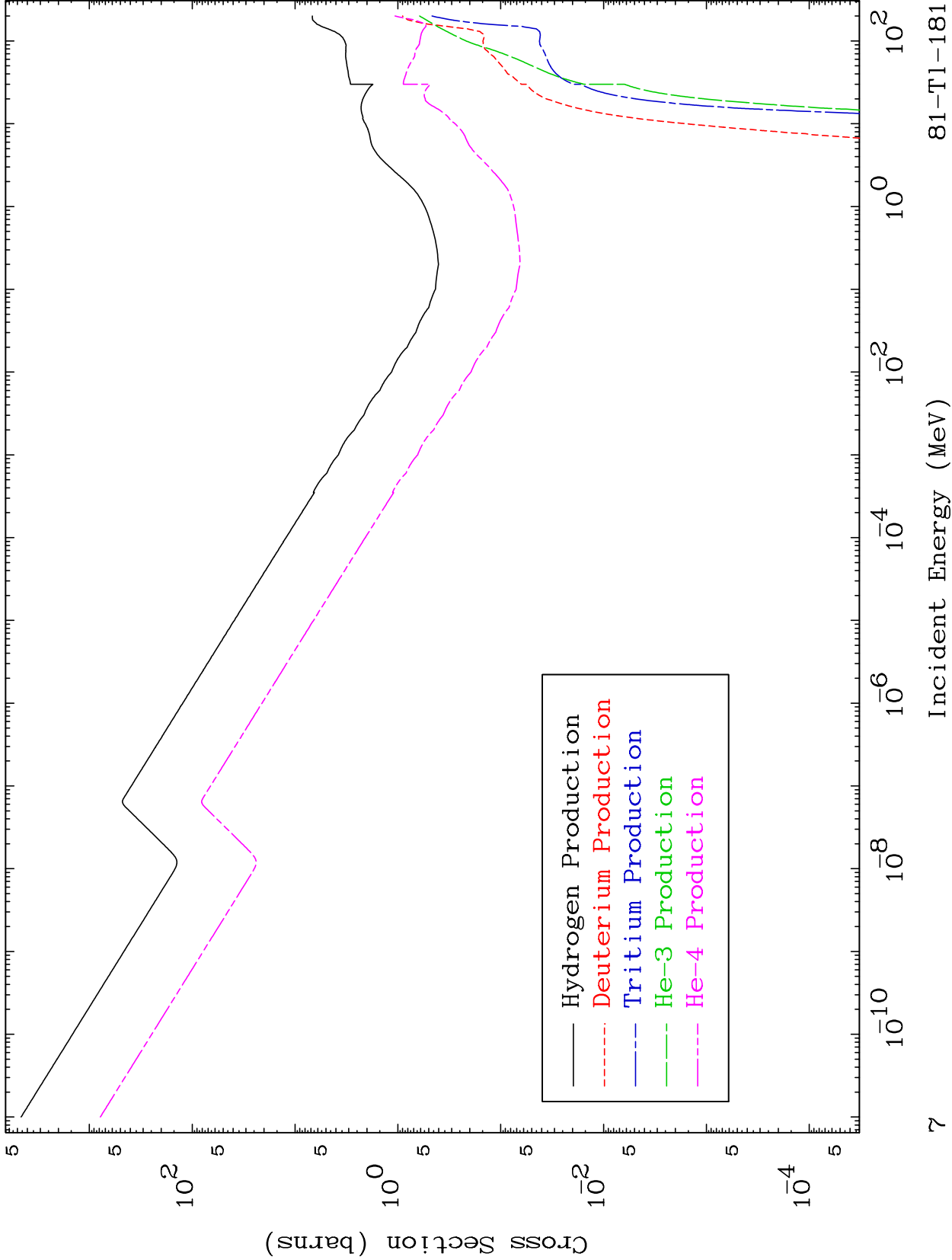
MAT 8059

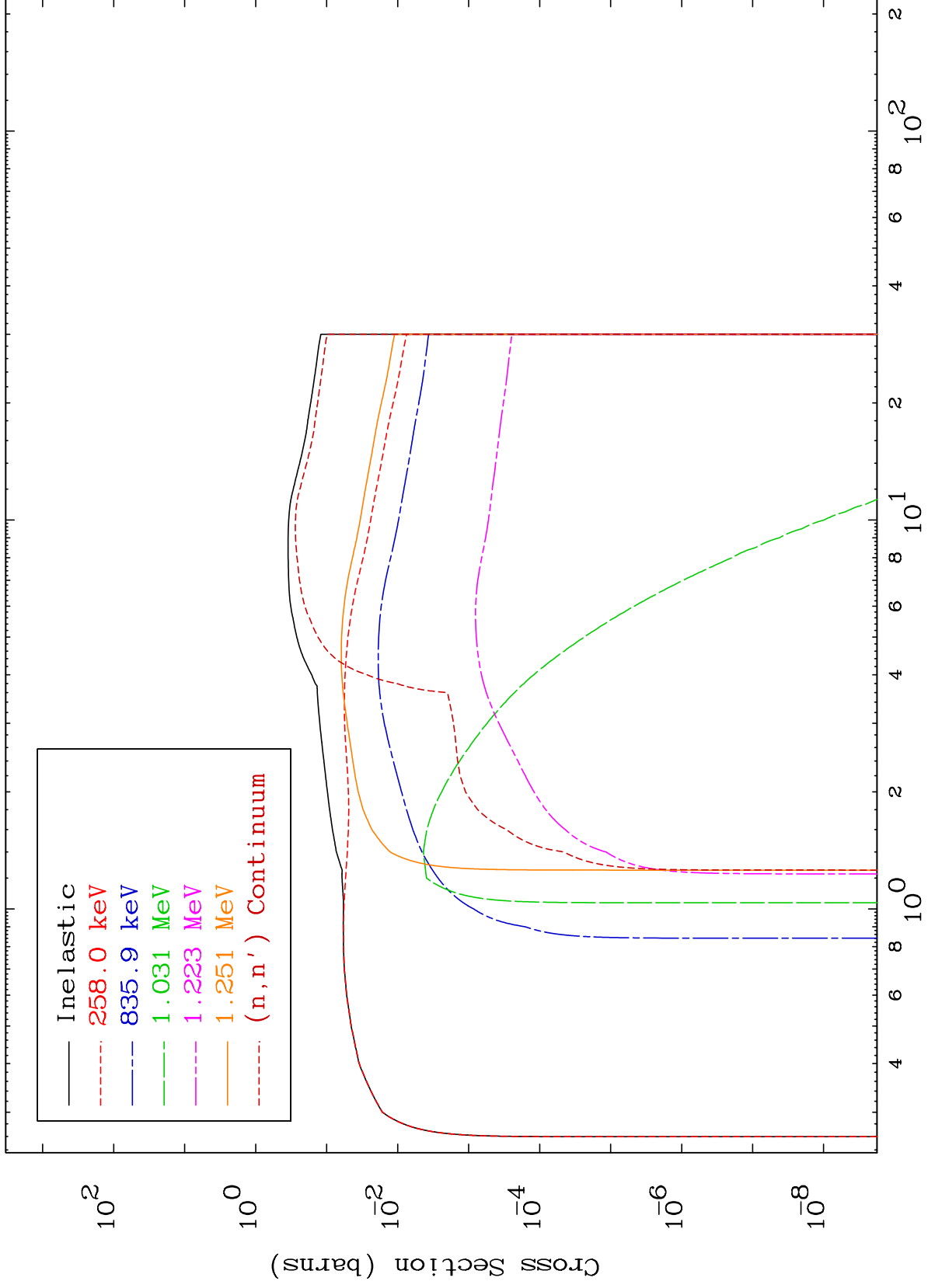
Charged Particle
293 Kelvin Cross Sections

81-Tl-181





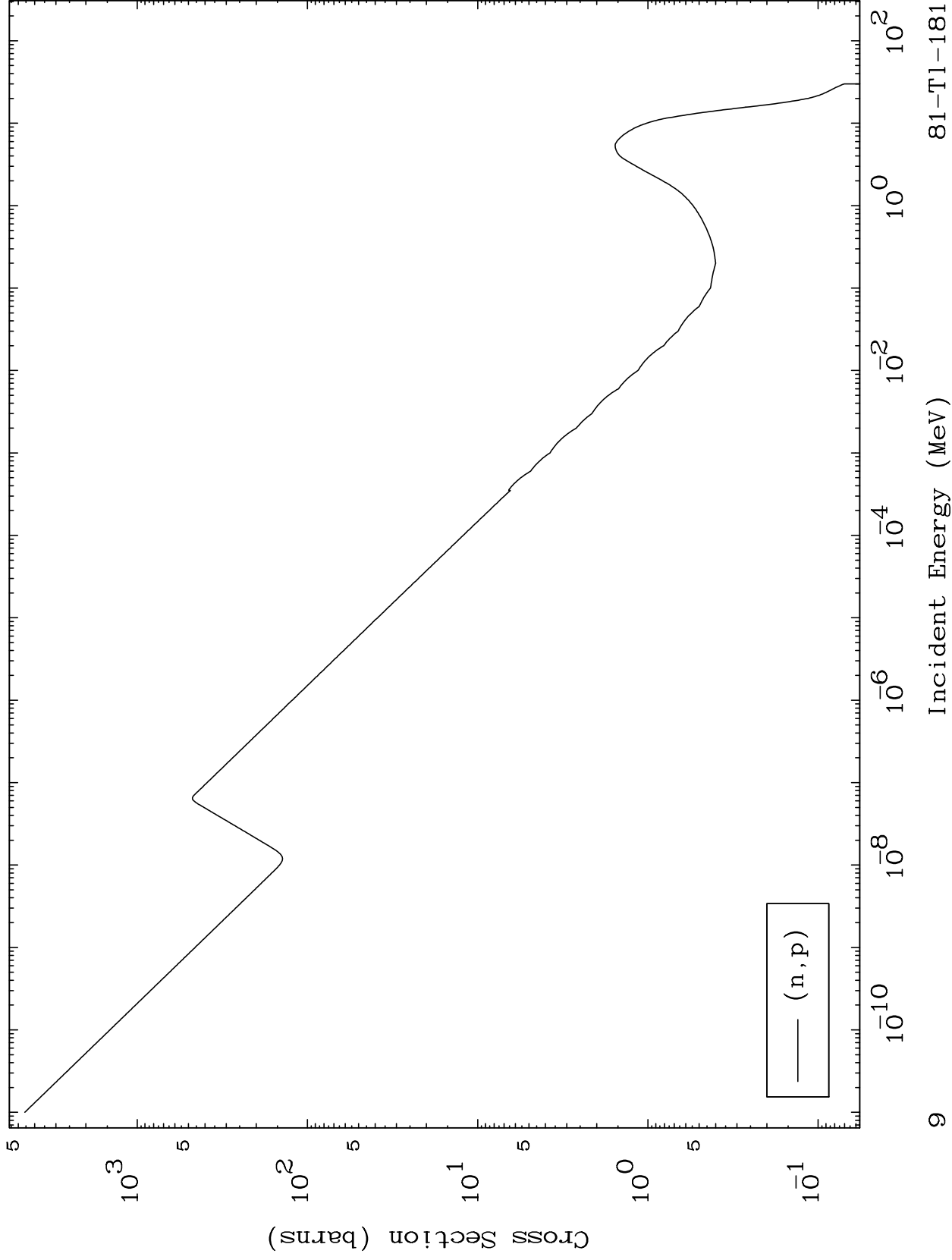




MAT 8059

(n,p) Levels
293 Kelvin Cross Sections

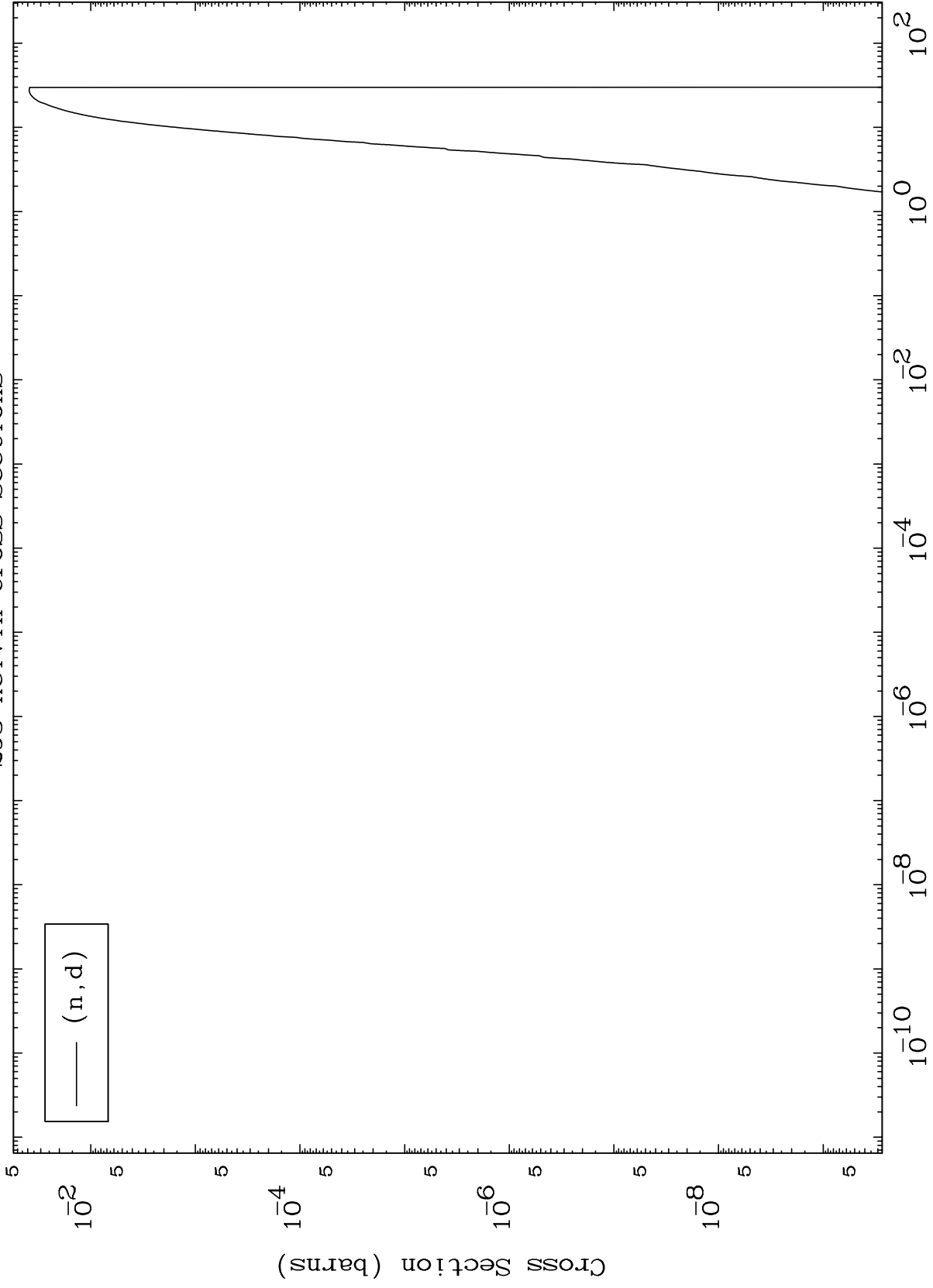
81-Tl-181



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(n,d) Levels
293 Kelvin Cross Sections

81-Tl-181



10

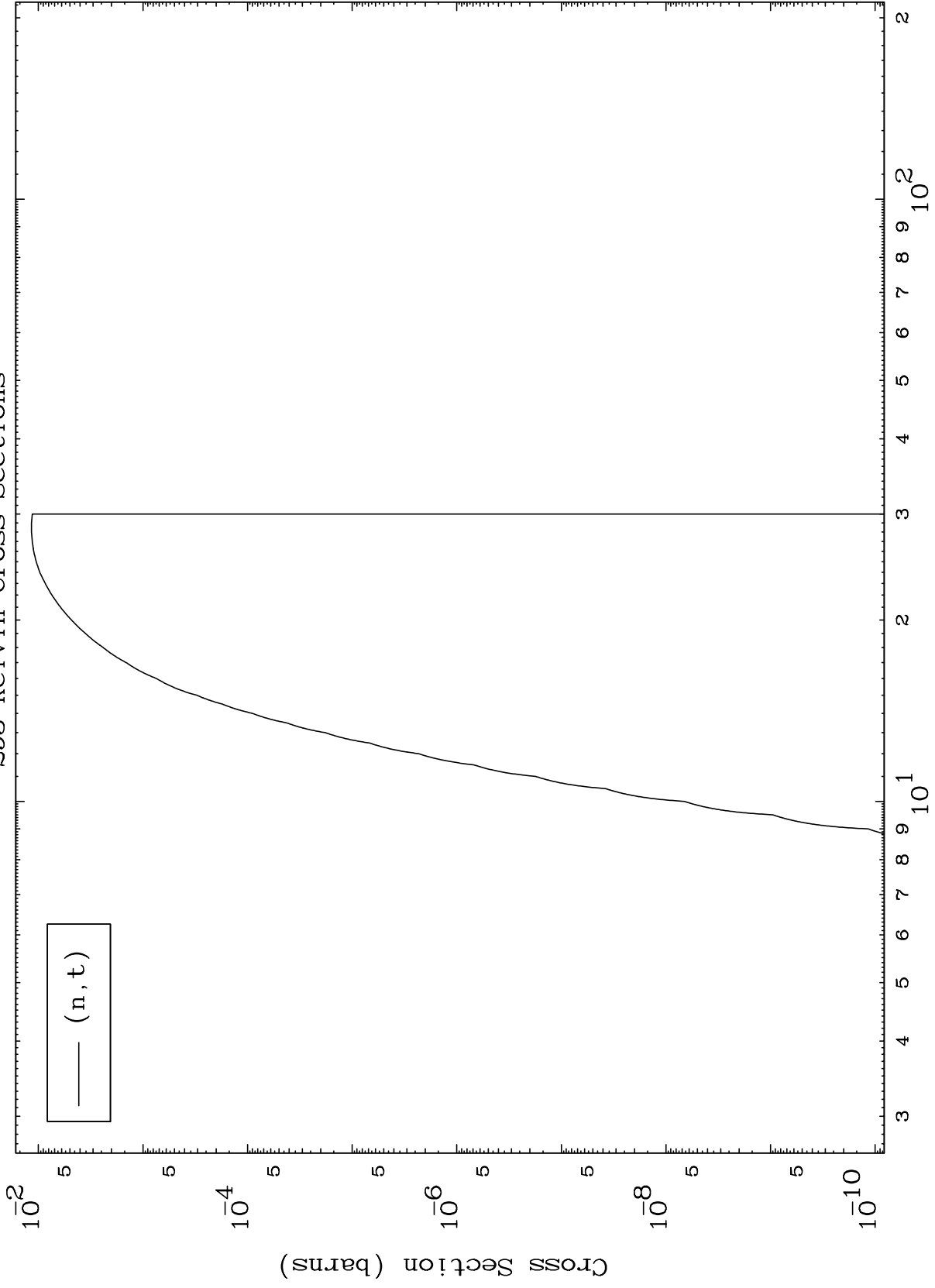
Incident Energy (MeV)

81-Tl-181

MAT 8059

(n,t) Levels
293 Kelvin Cross Sections

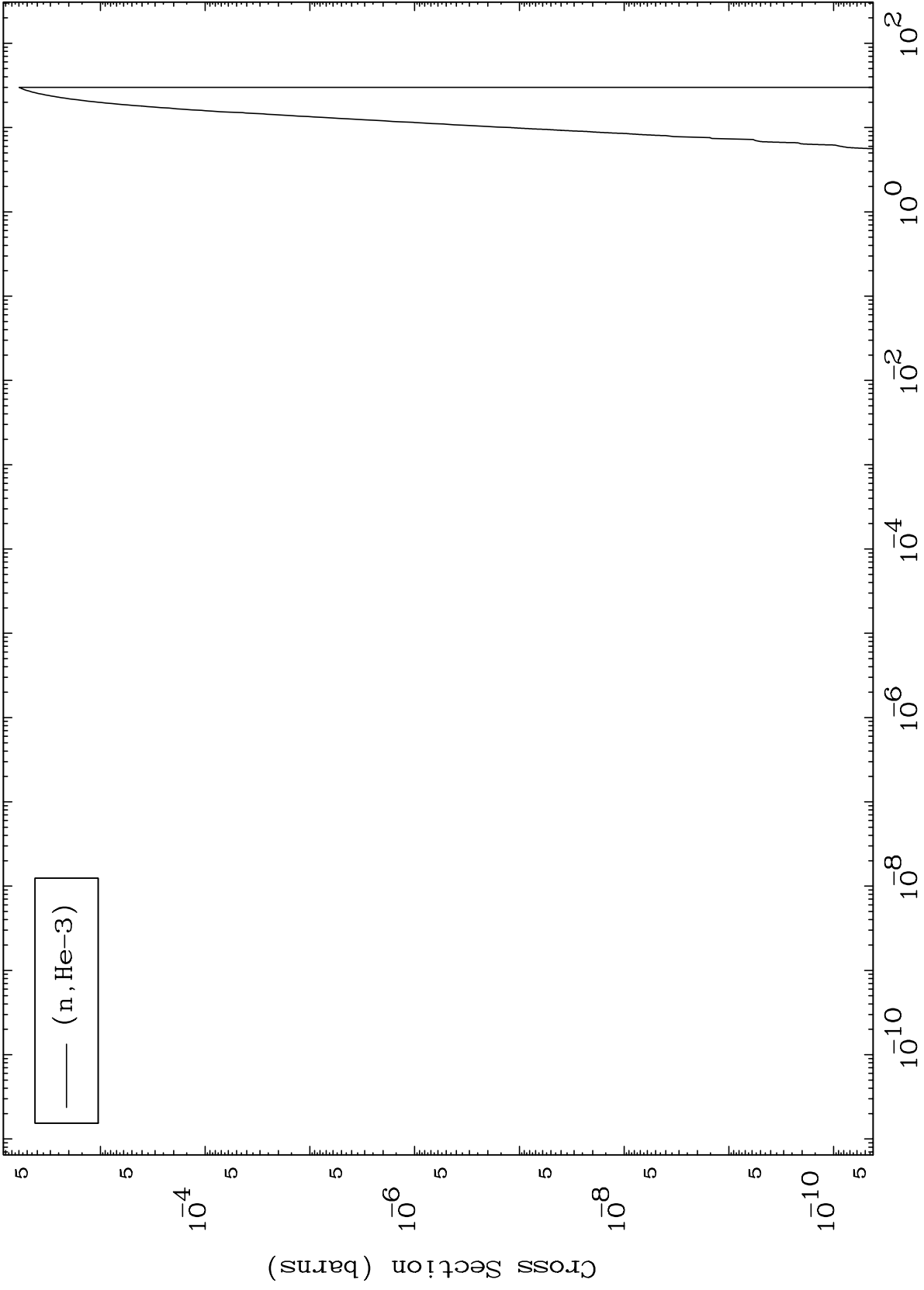
81-Tl-181



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(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-181

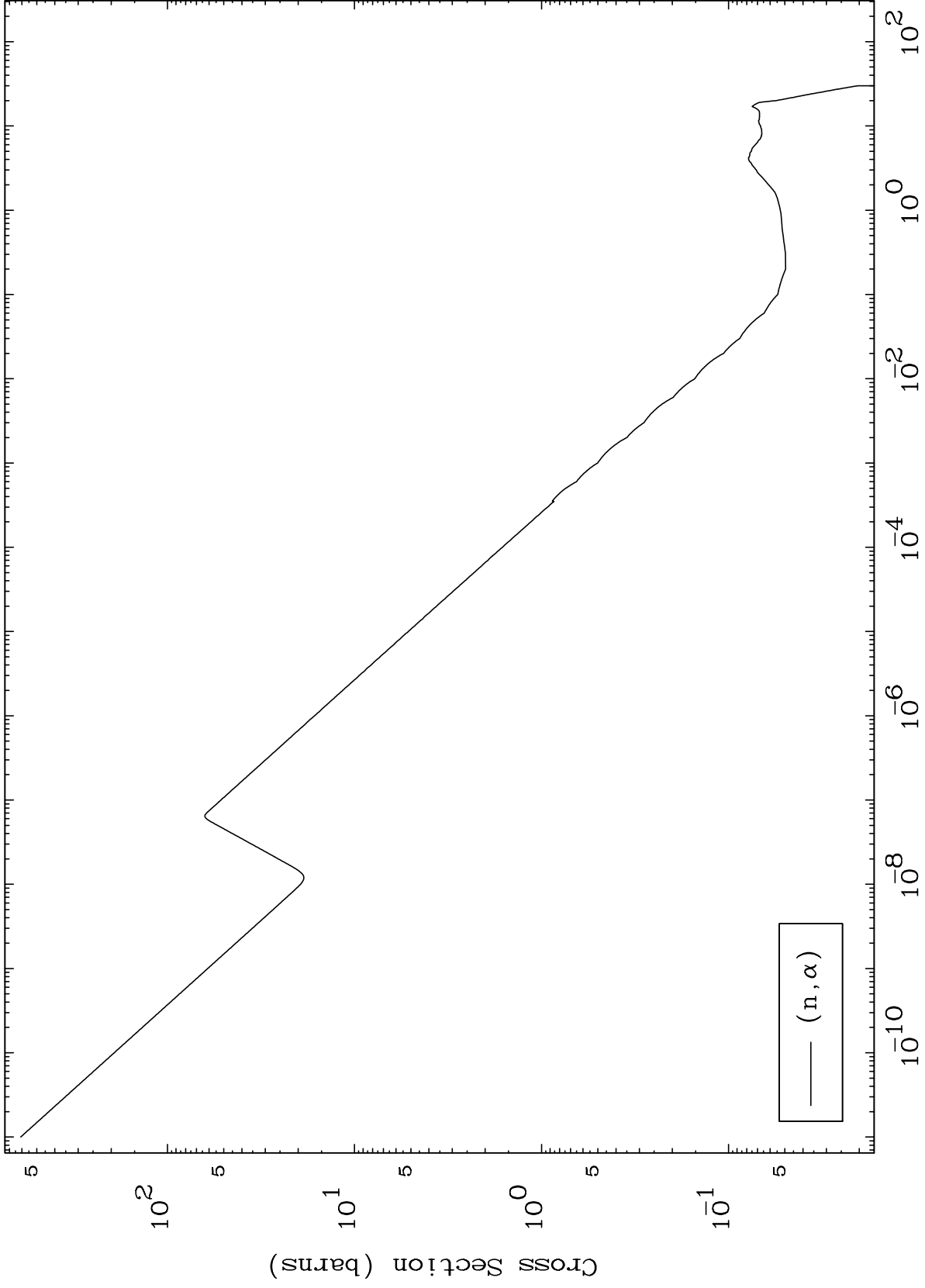


(n, He-3)

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(n,α) Levels
293 Kelvin Cross Sections

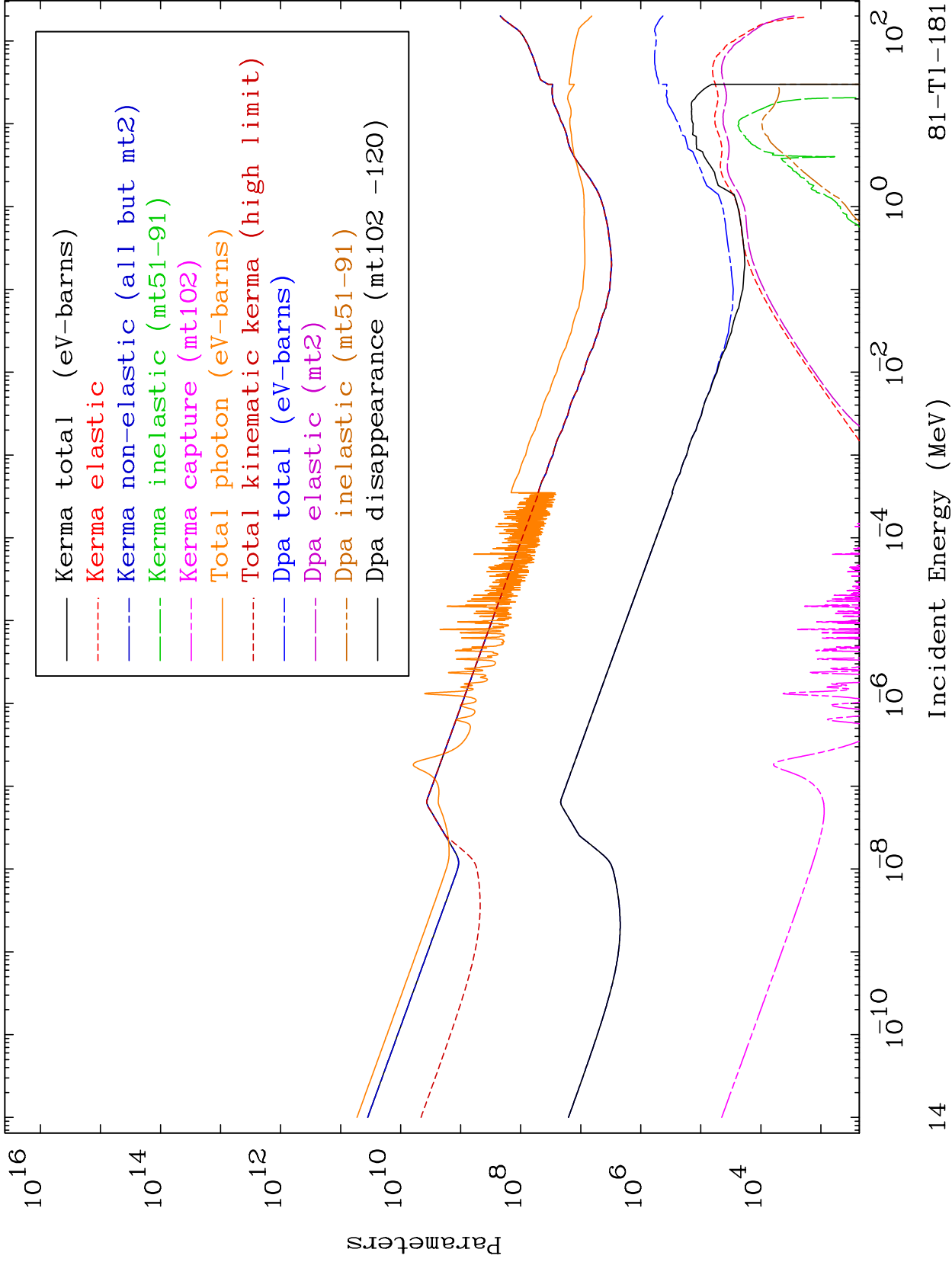
81-Tl-181



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Incident Energy (MeV)

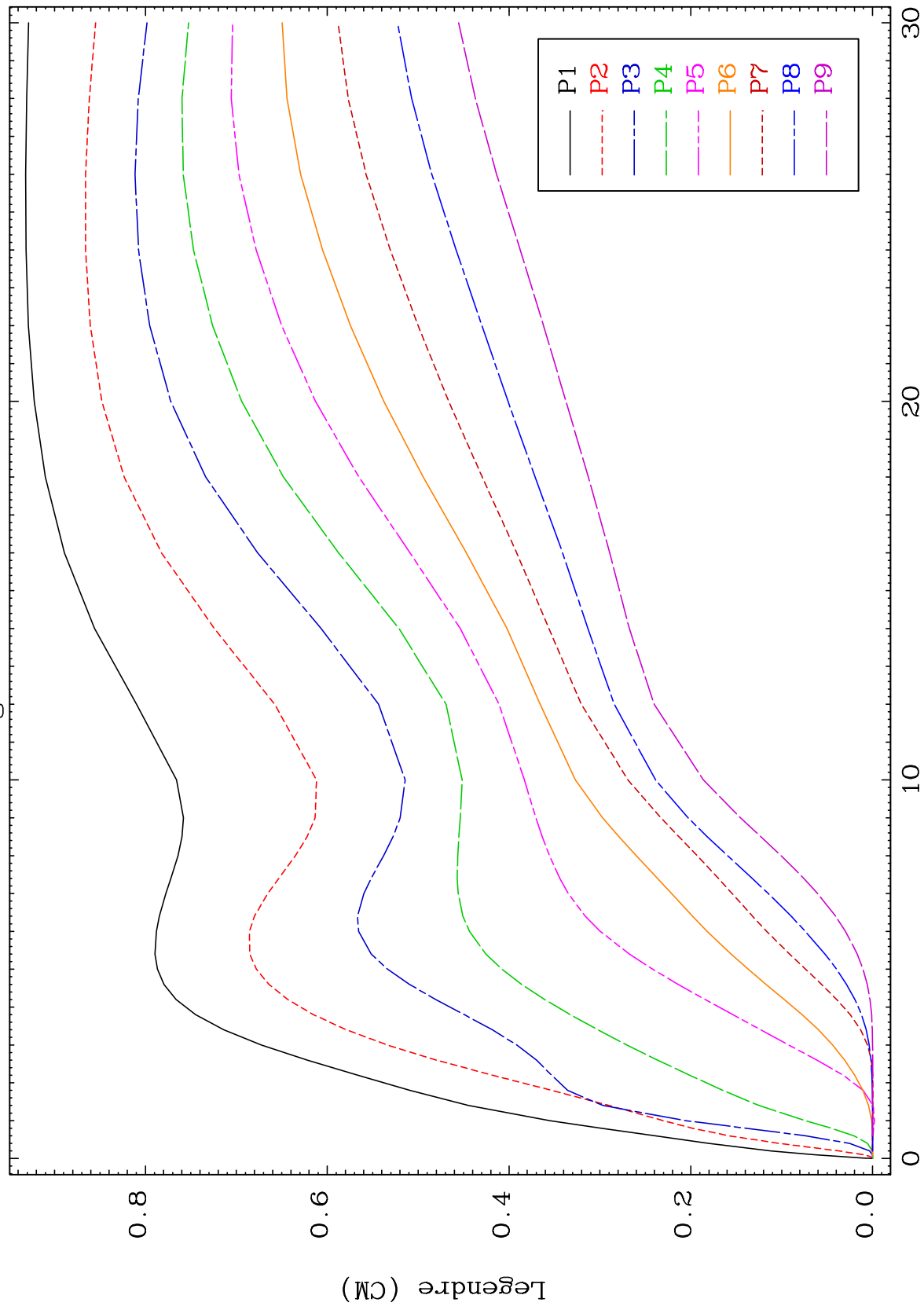
81-Tl-181



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Elastic Legendre Coefficients

81-Tl-181



15

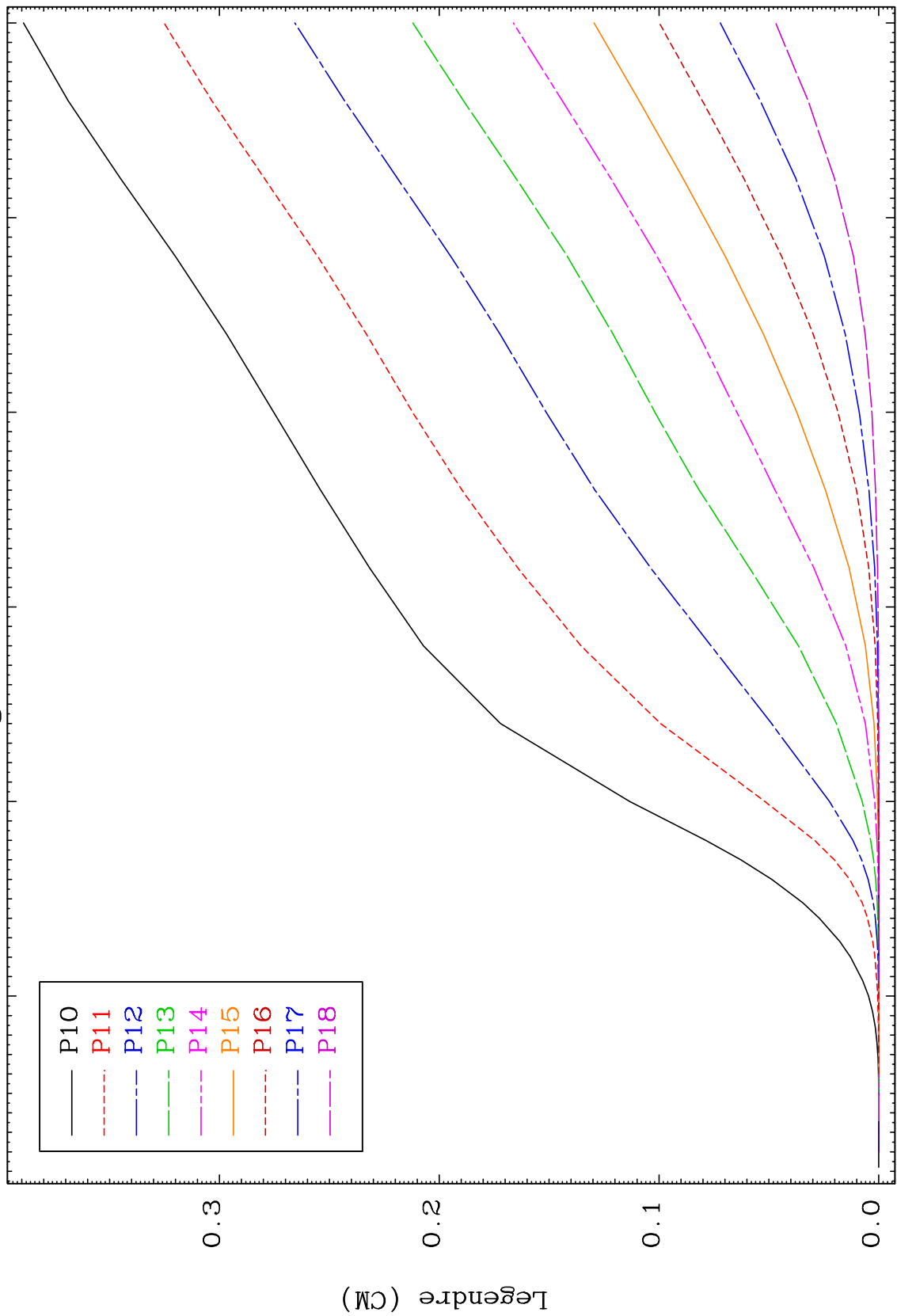
Incident Energy (MeV)

81-Tl-181

MAT 8059

Elastic Legendre Coefficients

81-Tl-181

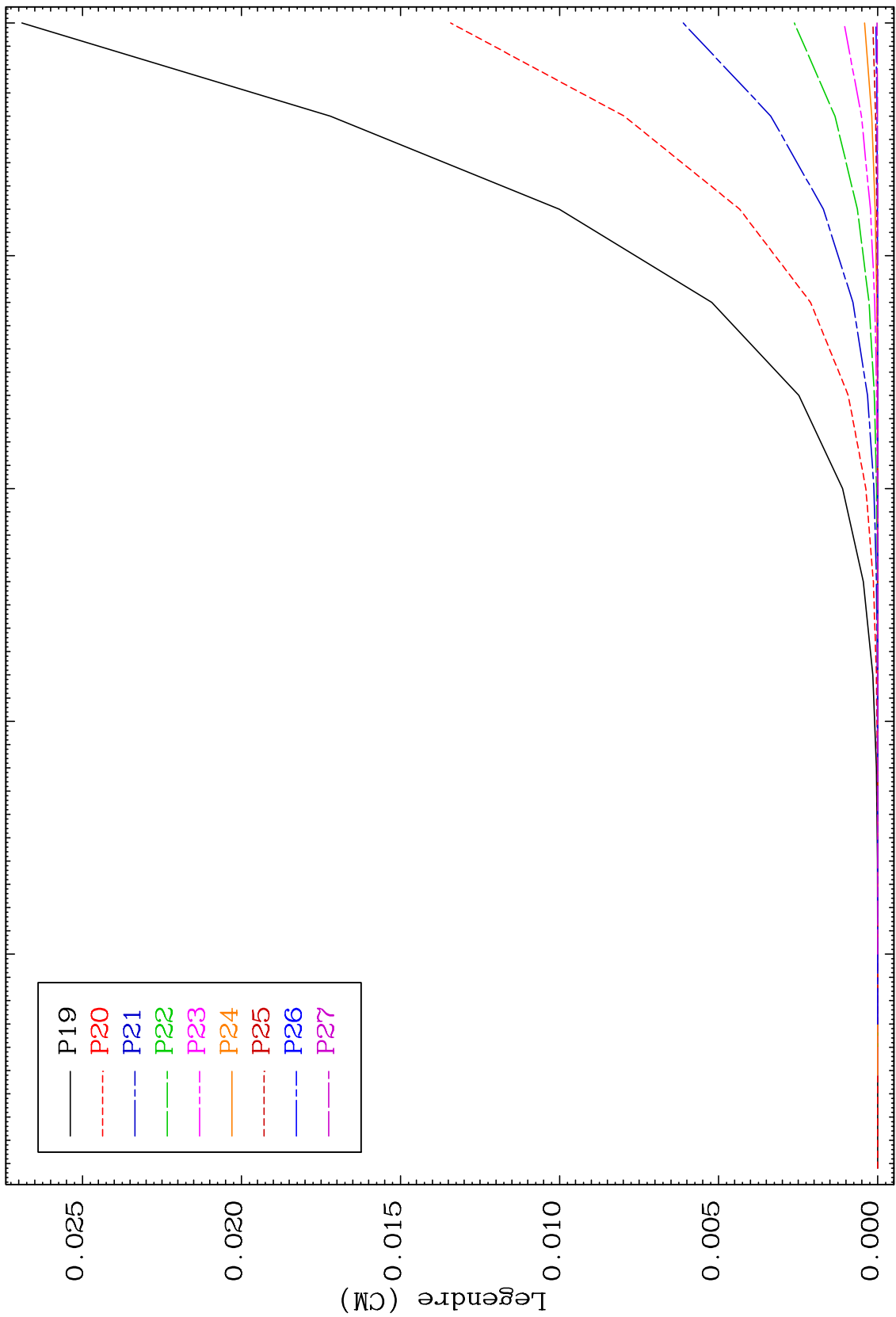


16

Incident Energy (MeV)

81-Tl-181

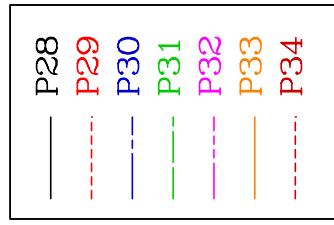
Elastic Legendre Coefficients



MAT 8059

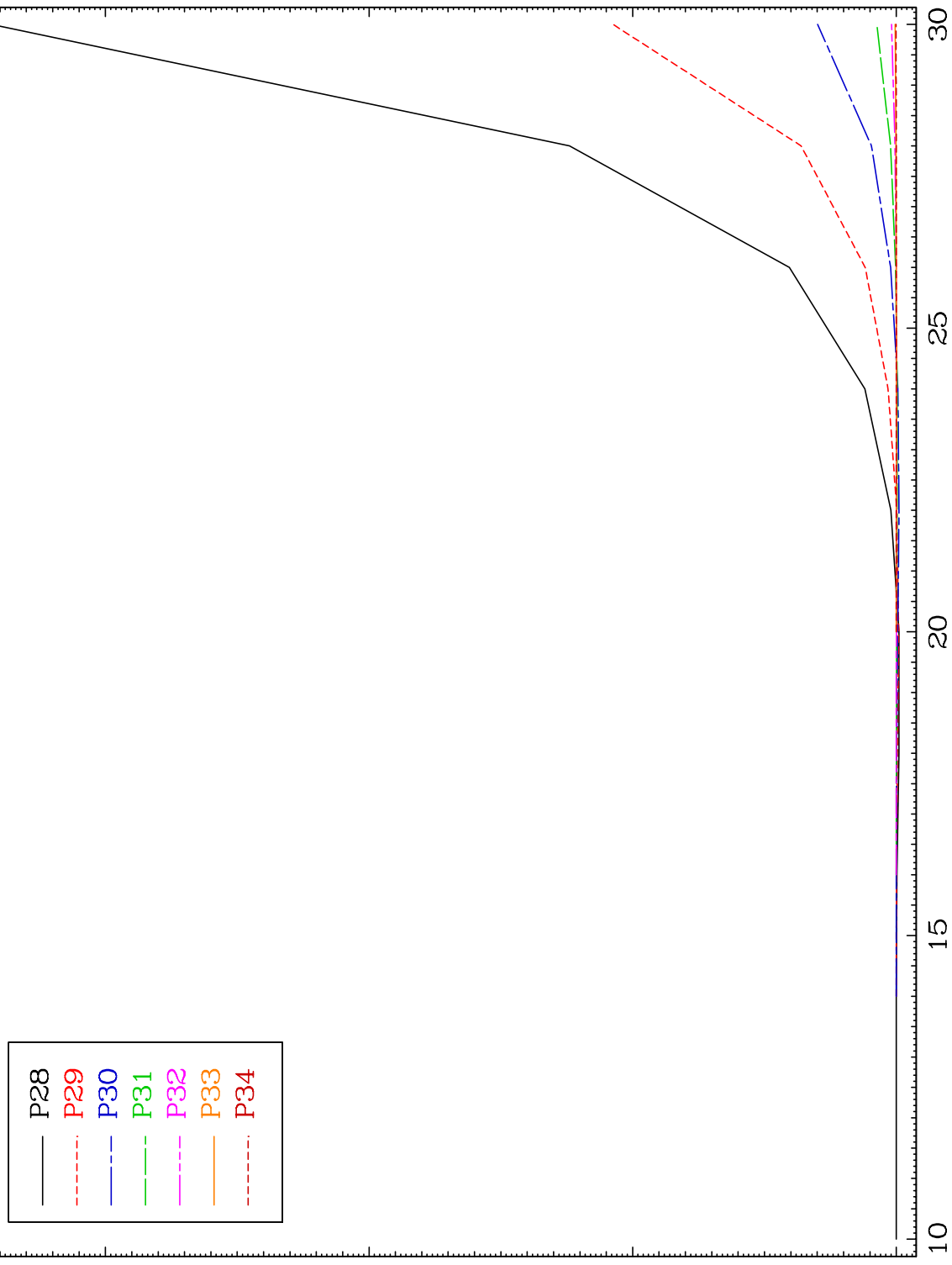
Elastic
Legendre Coefficients

81-Tl-181



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

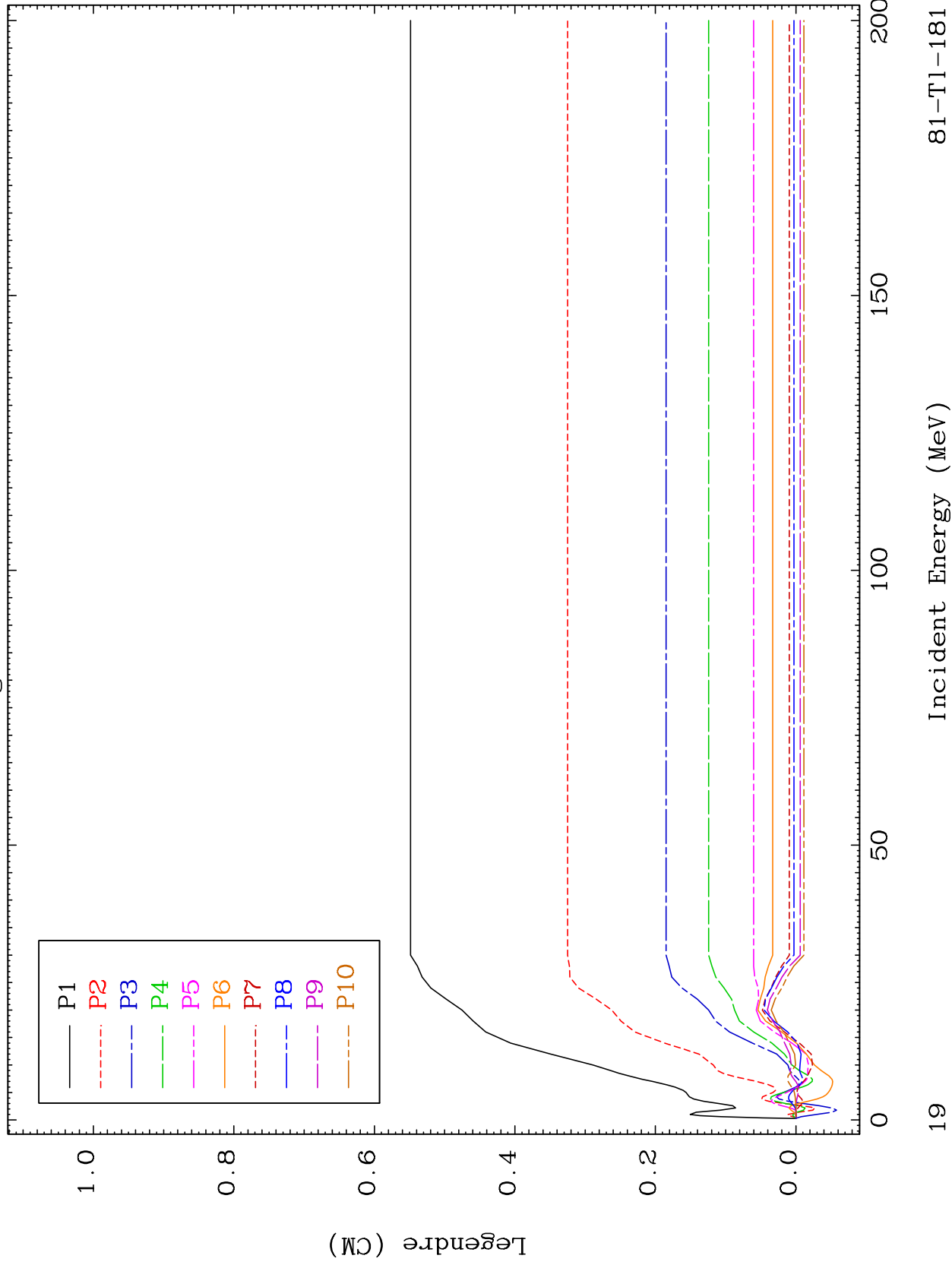
Incident Energy (MeV)

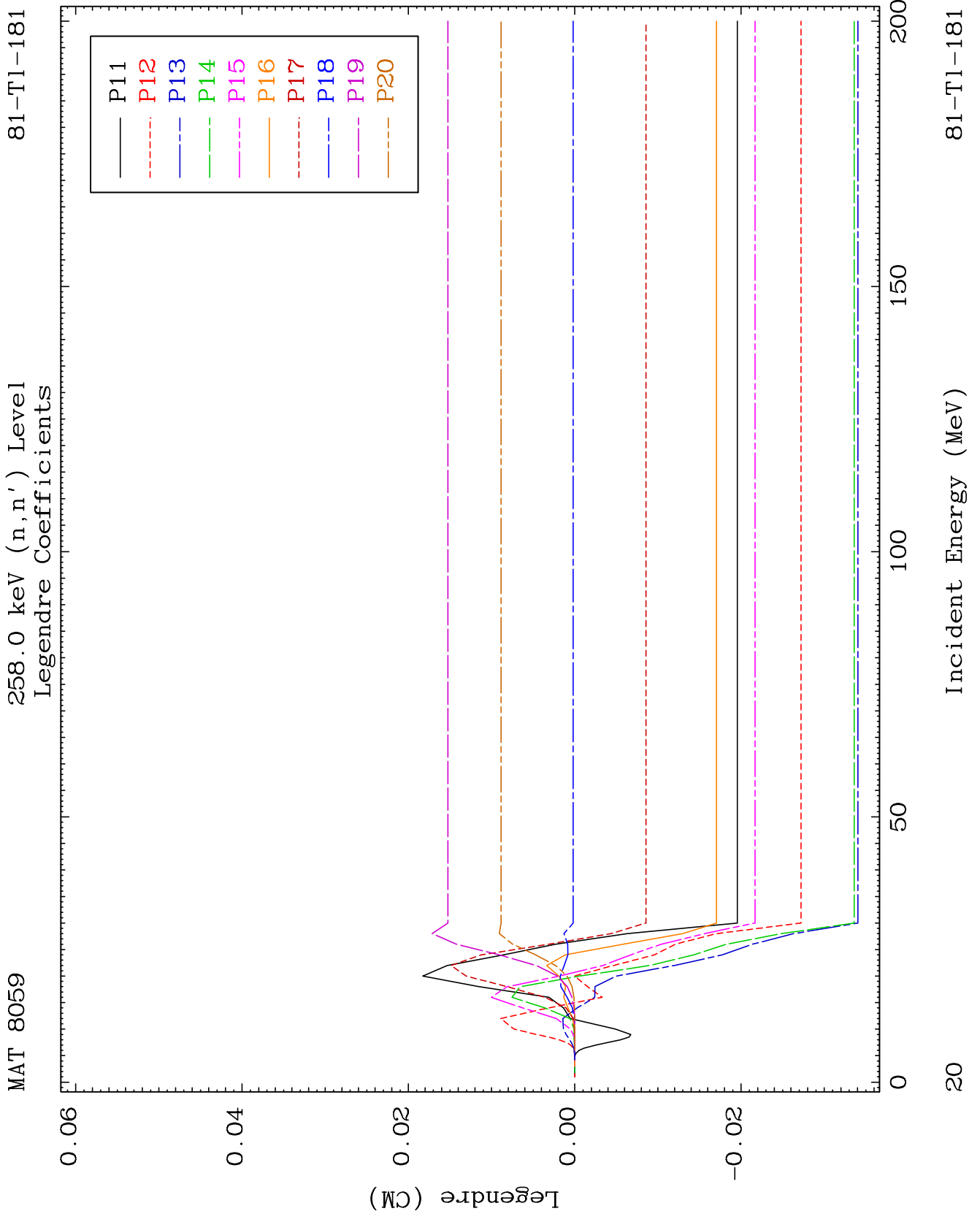
81-Tl-181

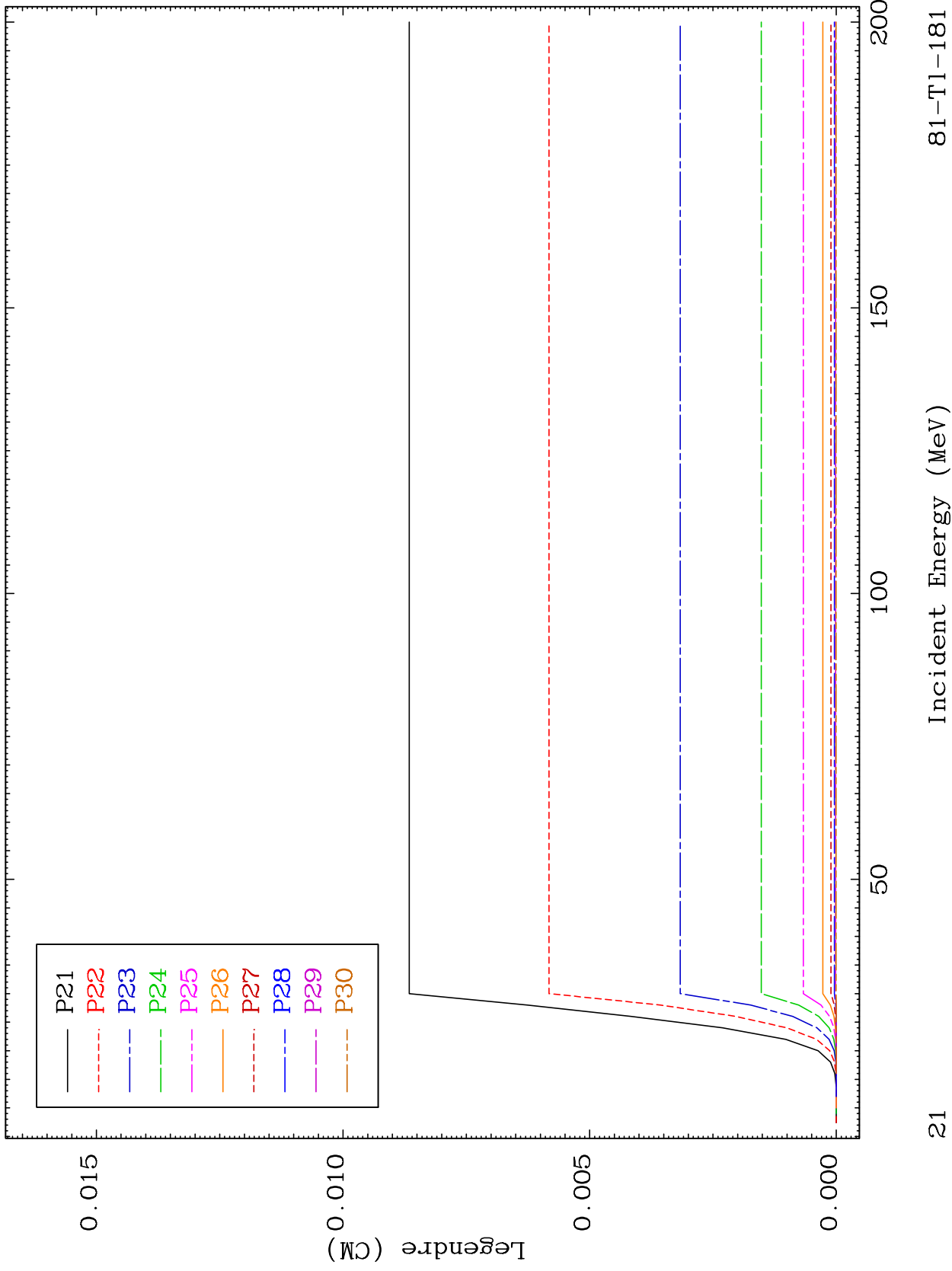
MAT 8059

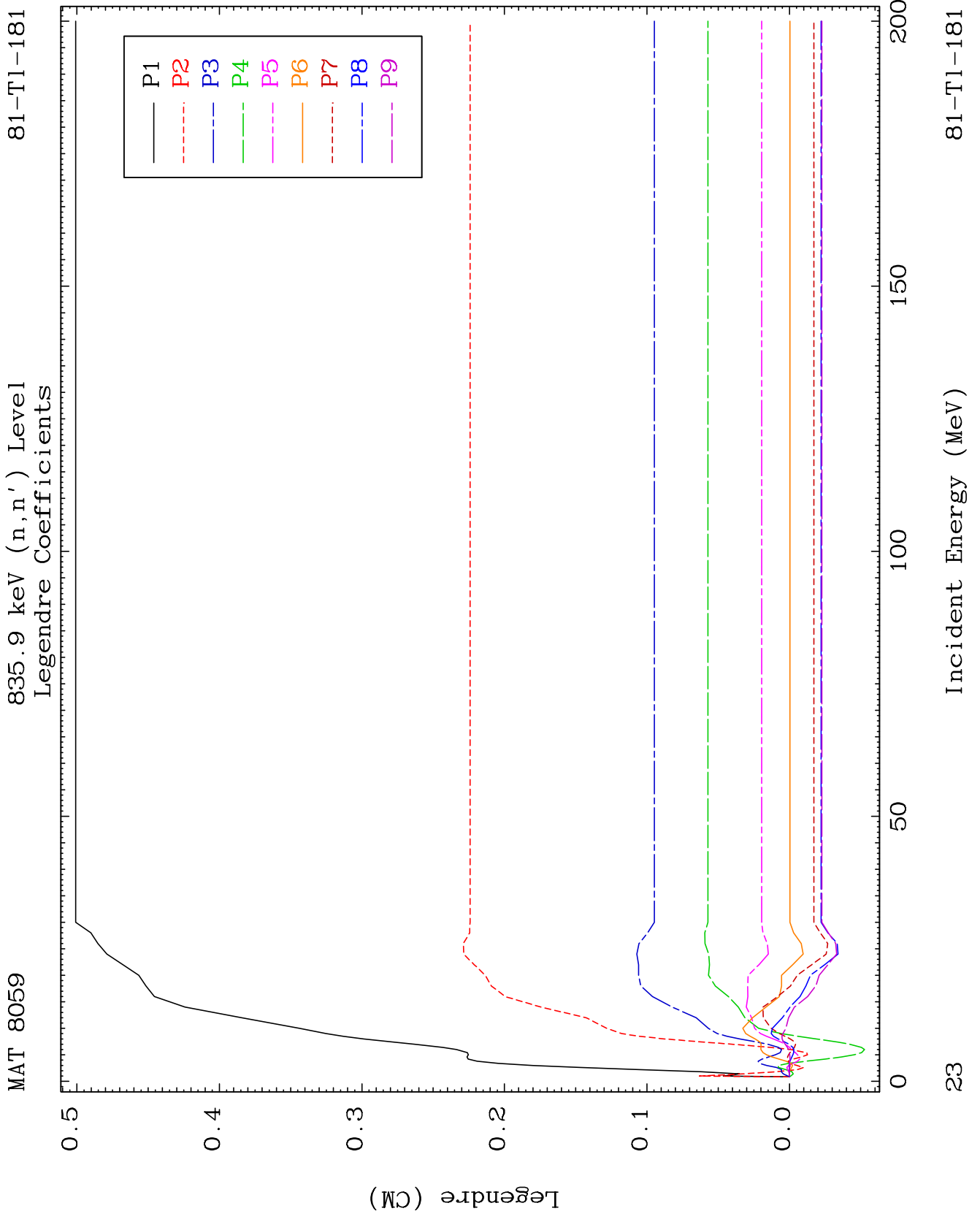
258.0 keV (n,n') Level
Legendre Coefficients

81-Tl-181





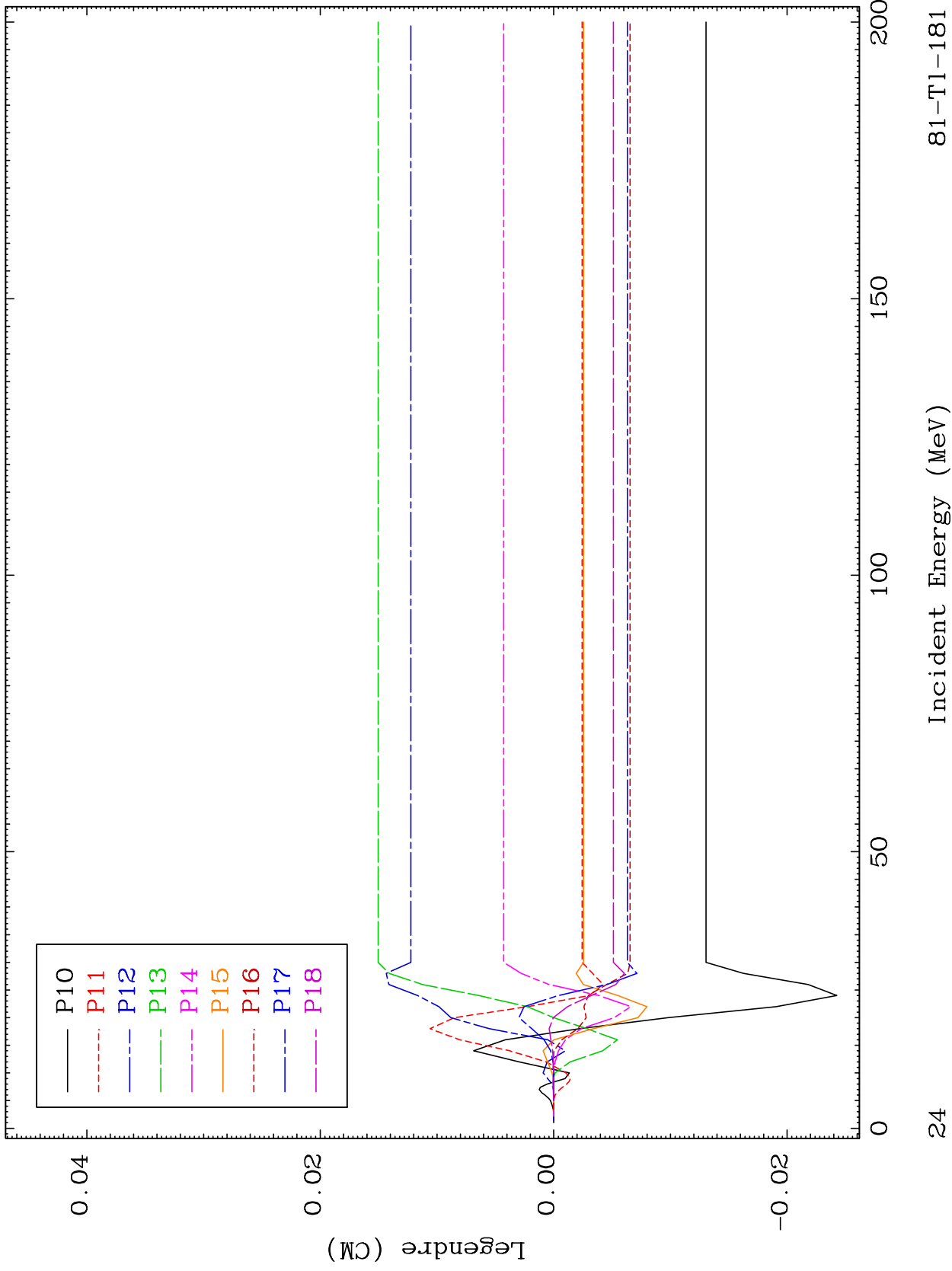




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835.9 keV (n,n') Level
Legendre Coefficients

81-Tl-181



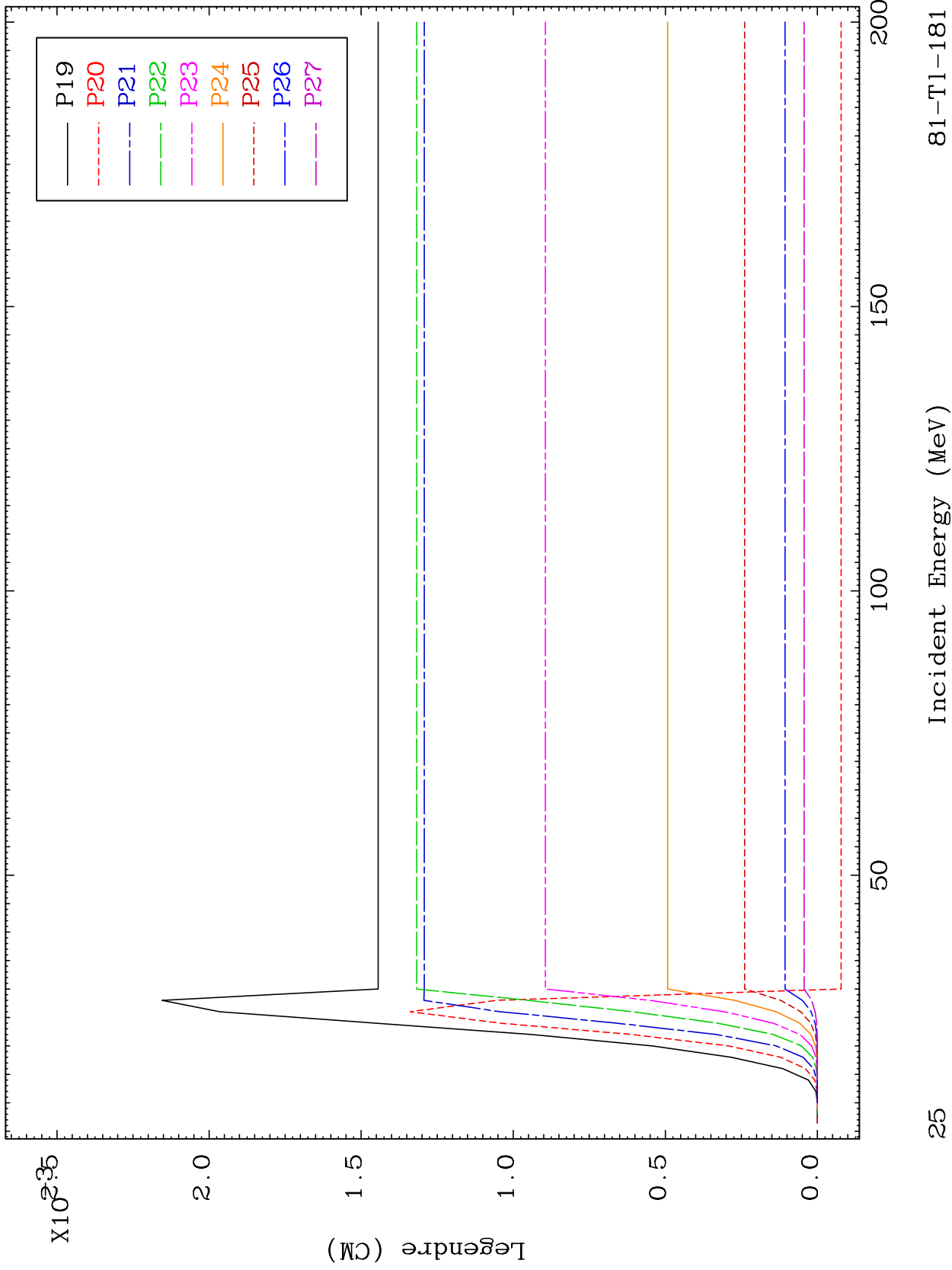
24

81-Tl-181

MAT 8059

835.9 keV (n,n') Level
Legendre Coefficients

81-Tl-181



25

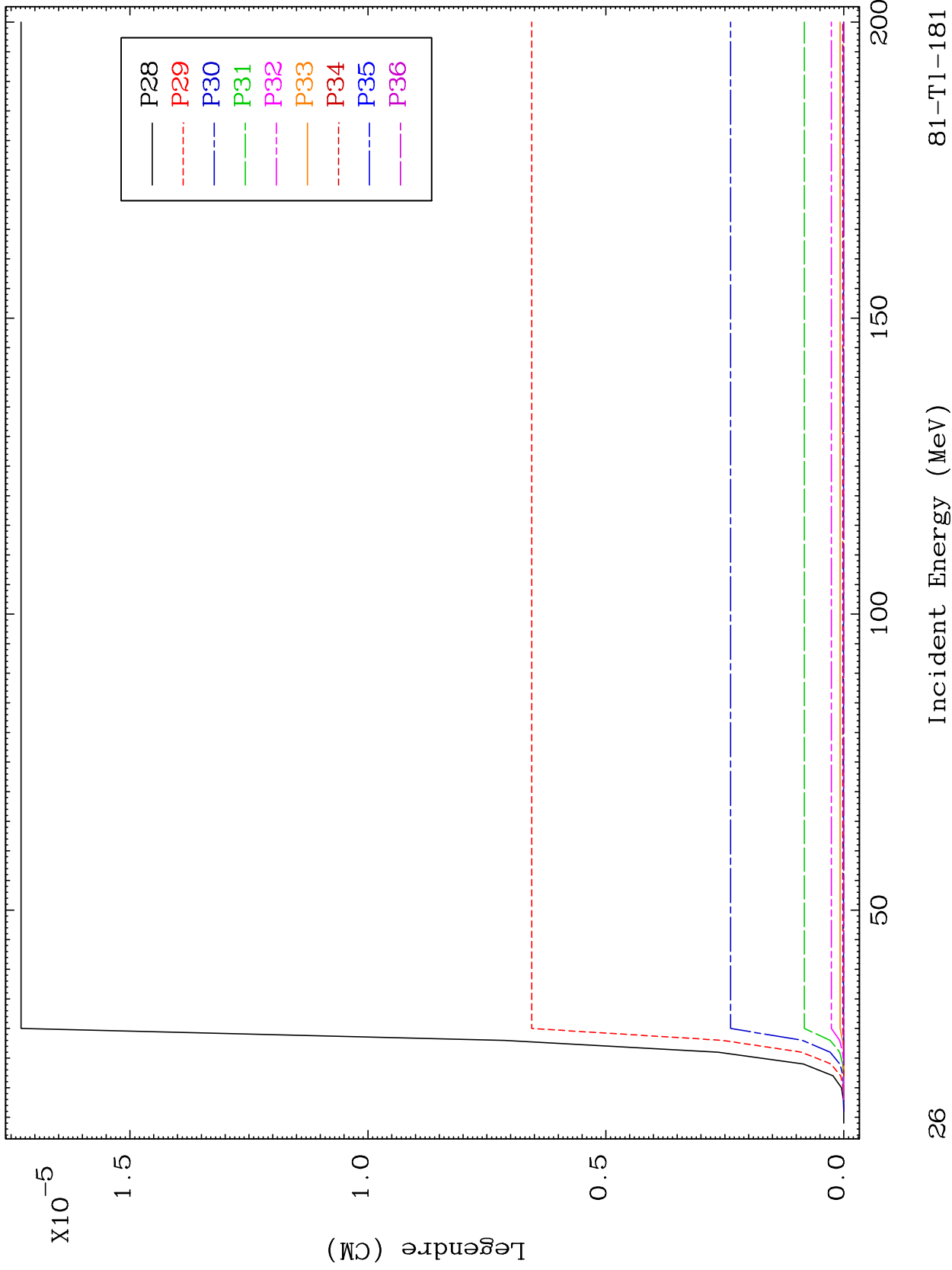
Incident Energy (MeV)

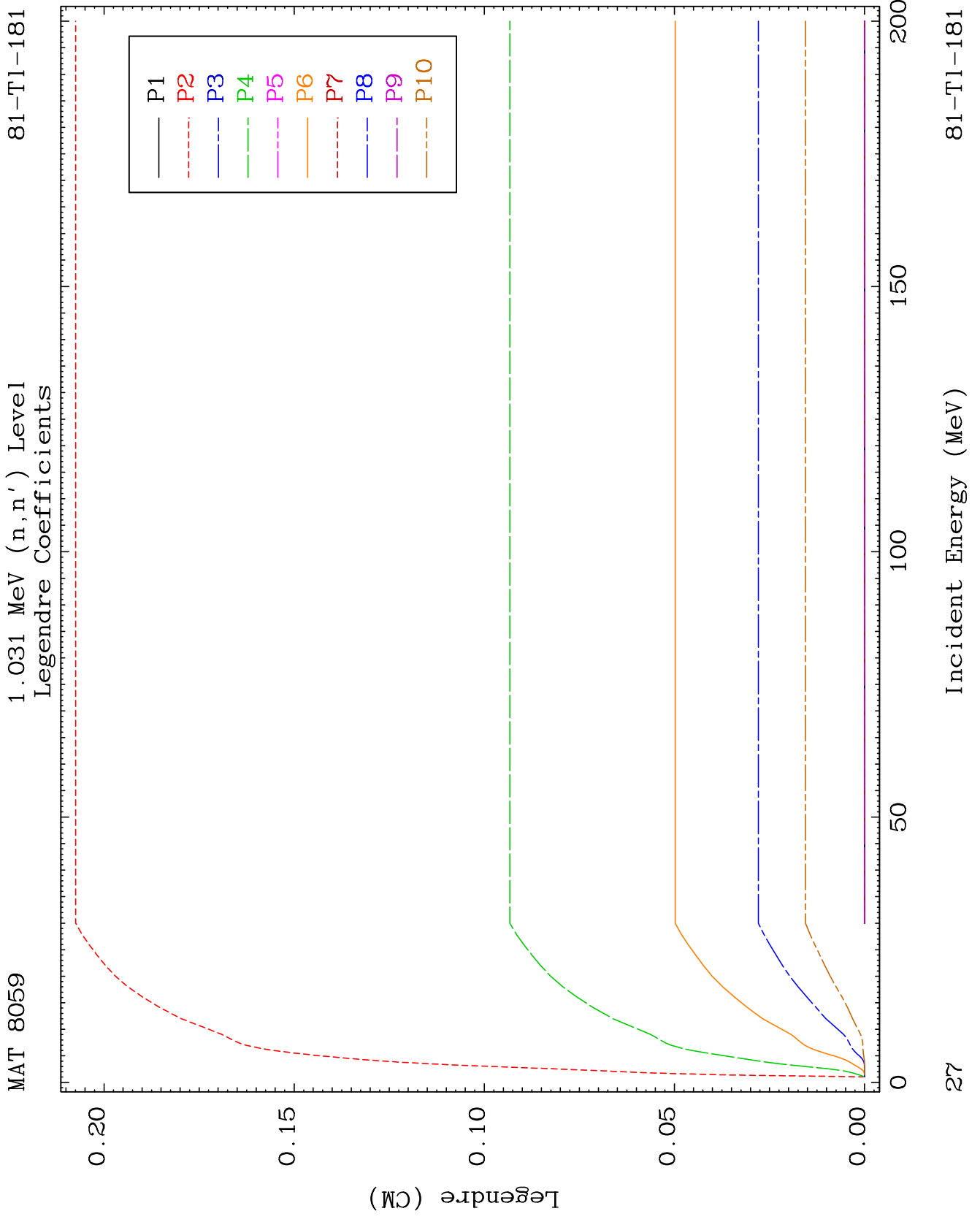
81-Tl-181

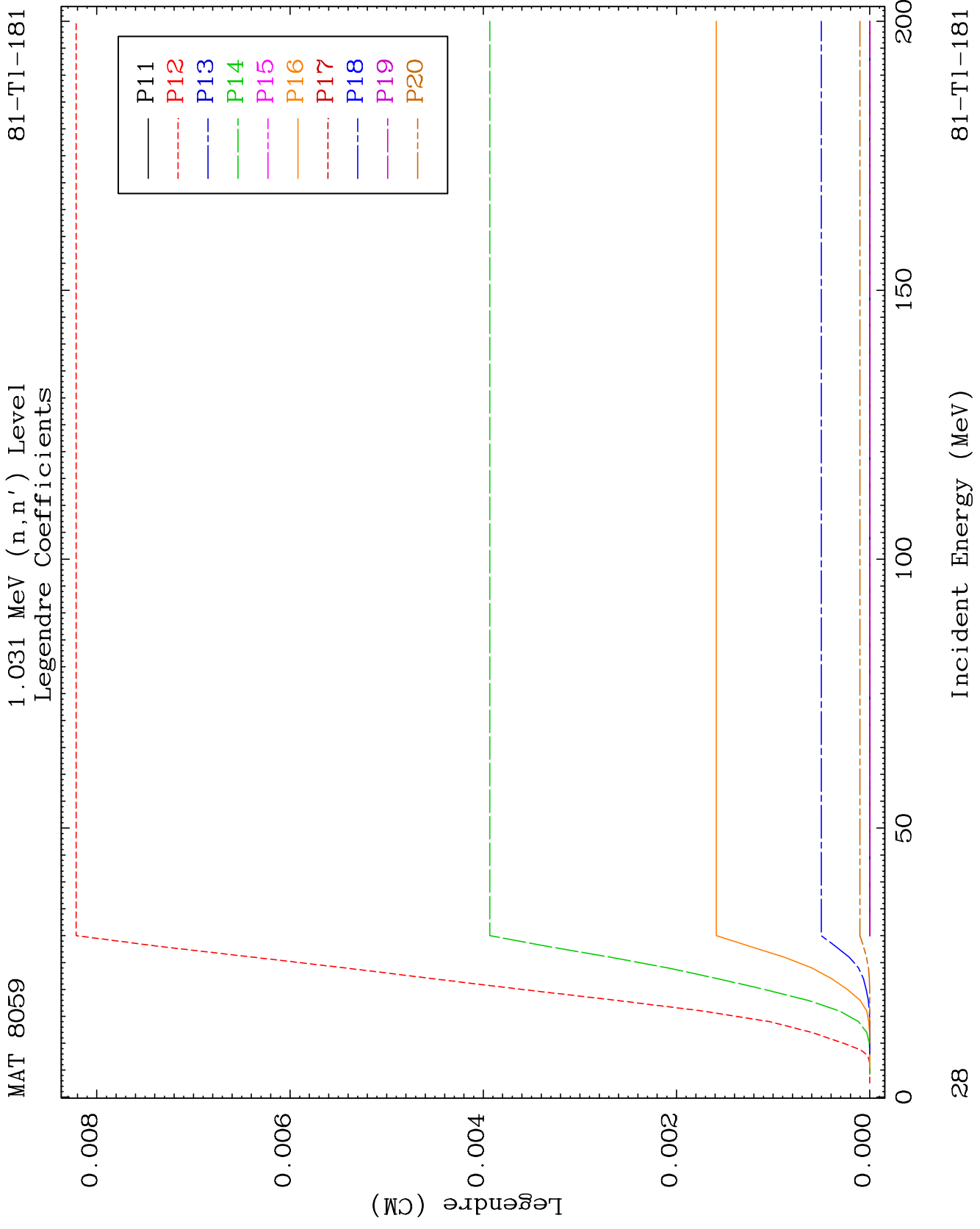
MAT 8059

835.9 keV (n,n') Level
Legendre Coefficients

81-Tl-181



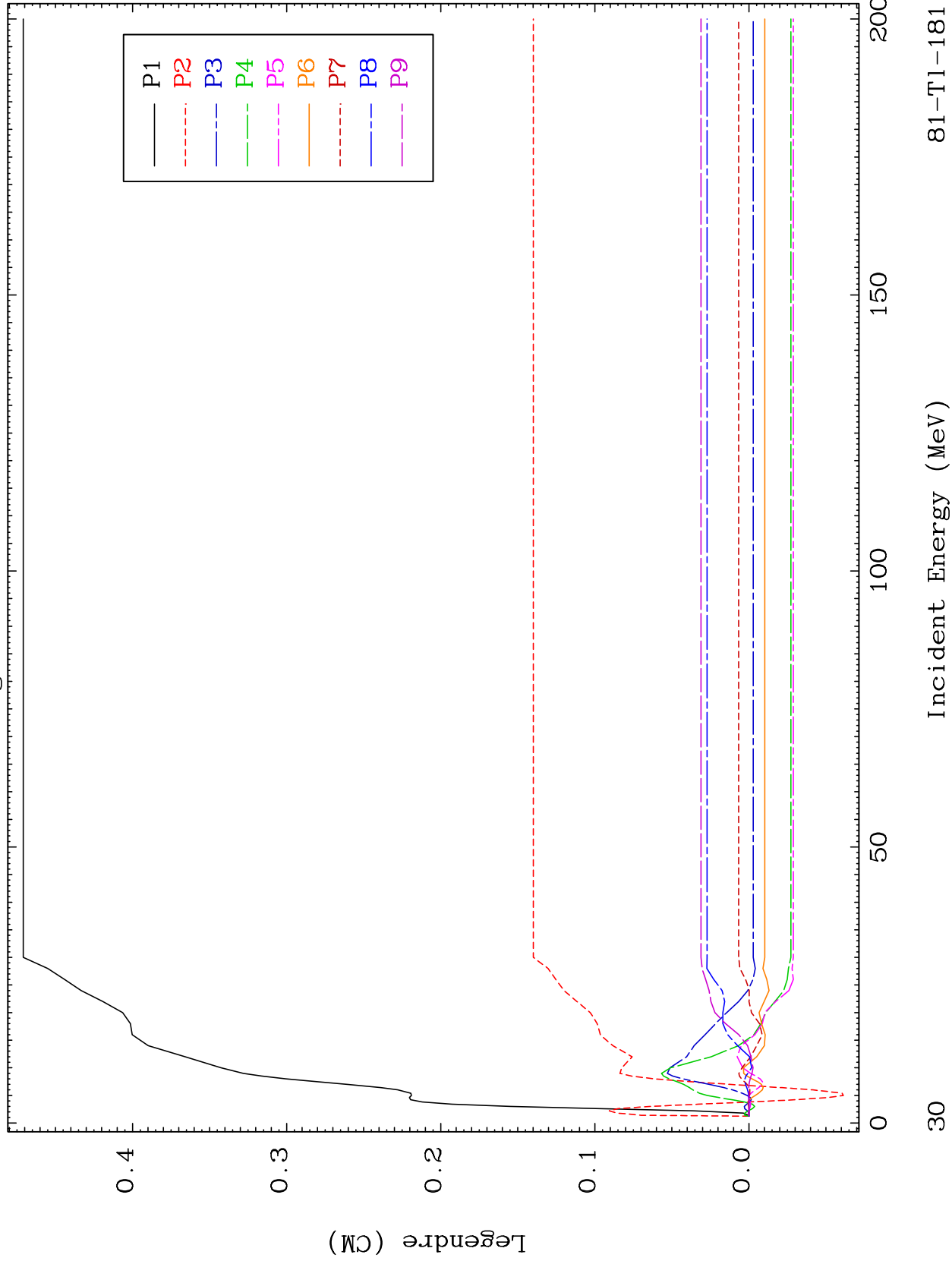




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1.223 MeV (n,n') Level
Legendre Coefficients

81-Tl-181



81-Tl-181

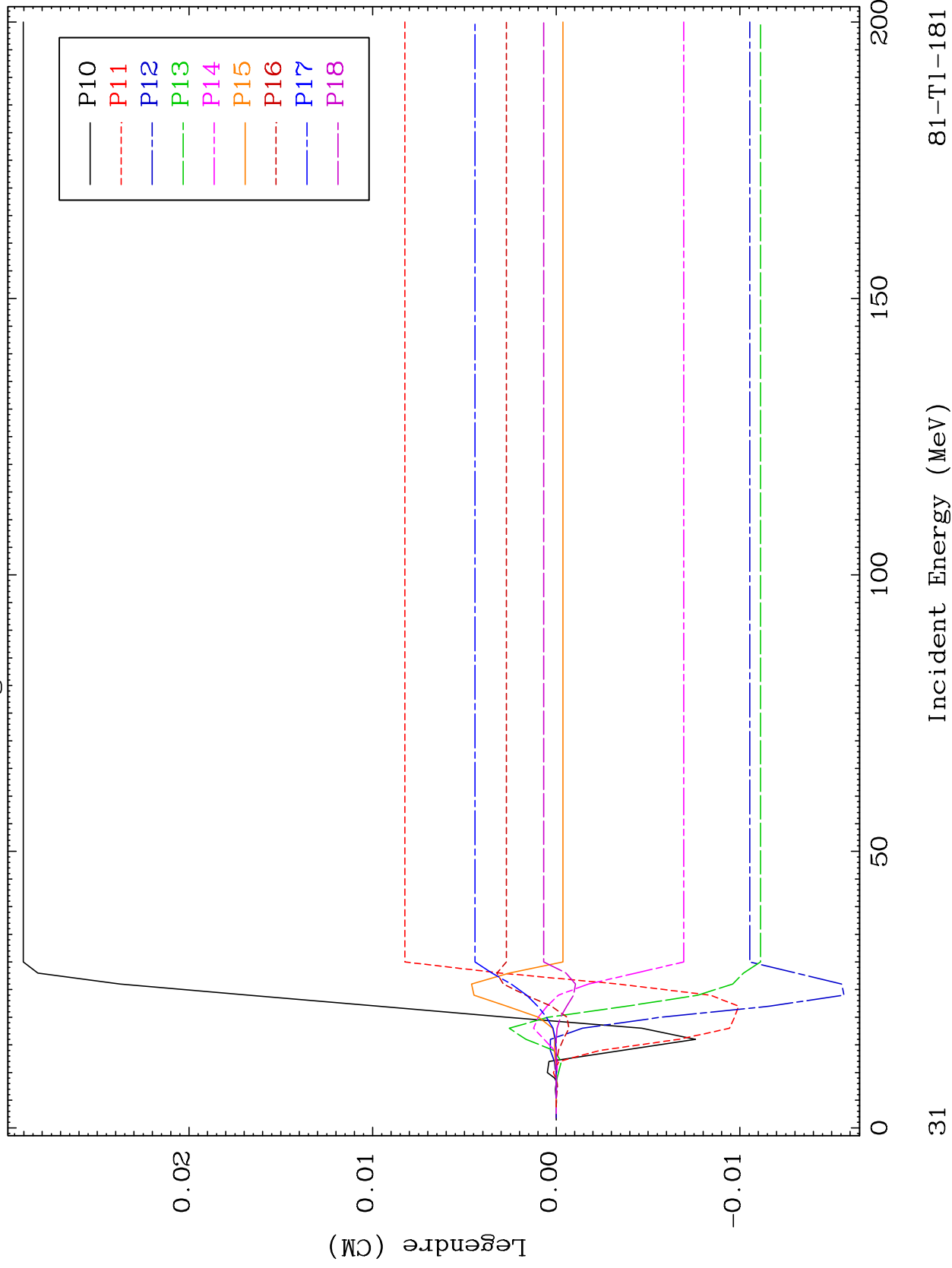
Incident Energy (MeV)

30

MAT 8059

1.223 MeV (n,n') Level
Legendre Coefficients

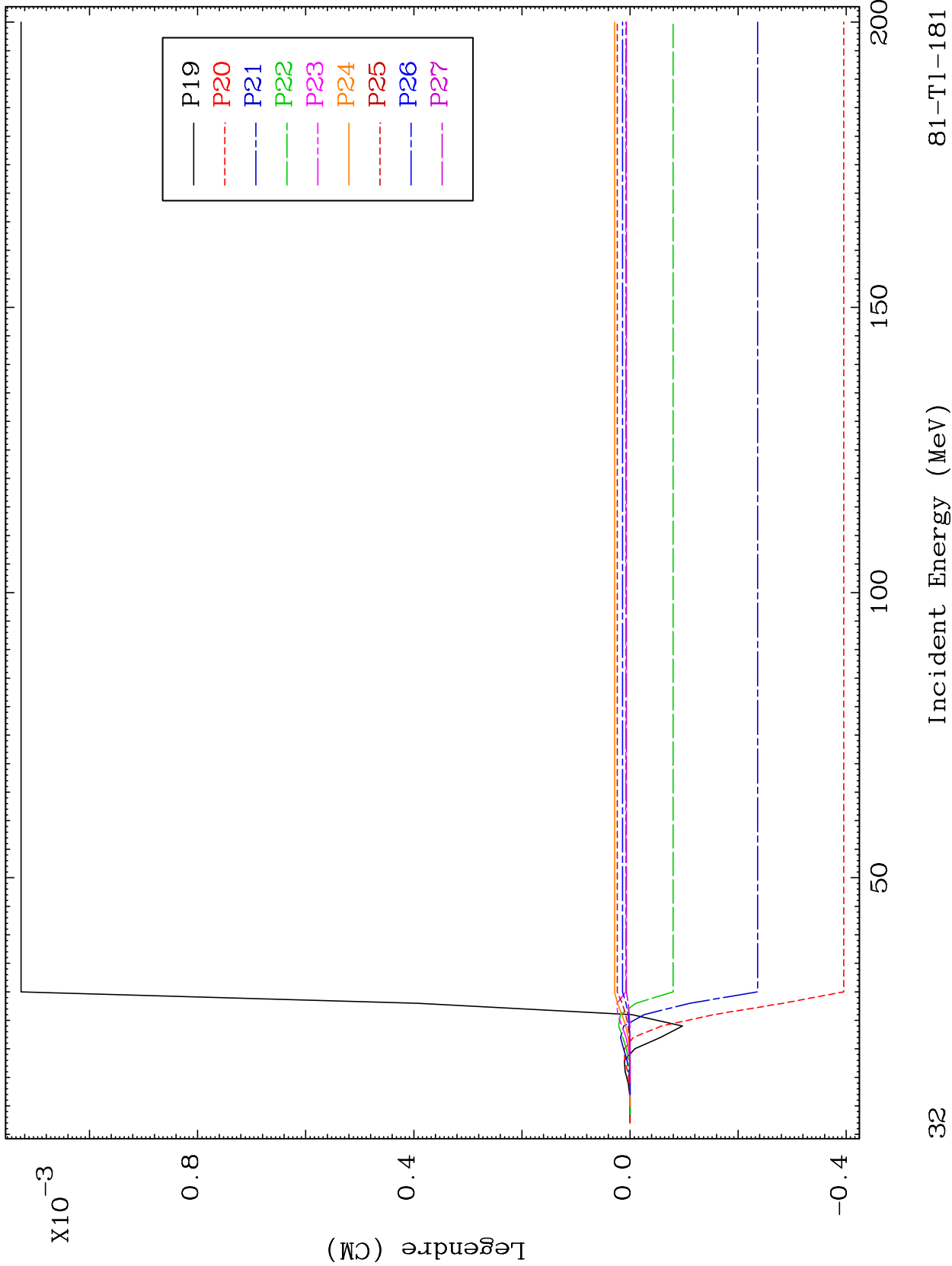
81-Tl-181



81-Tl-181

Incident Energy (MeV)

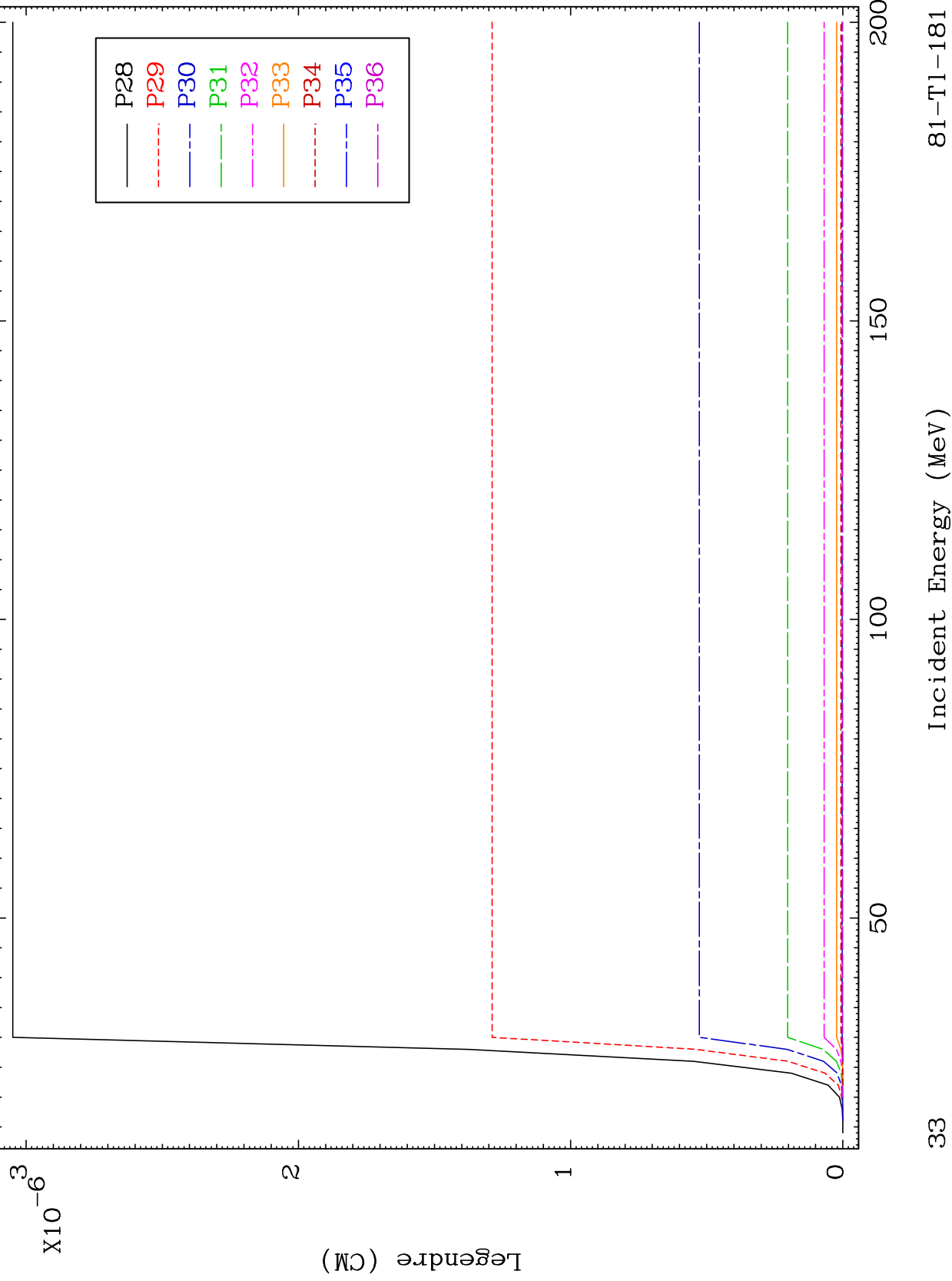
31



MAT 8059

1.223 MeV (n,n') Level
Legendre Coefficients

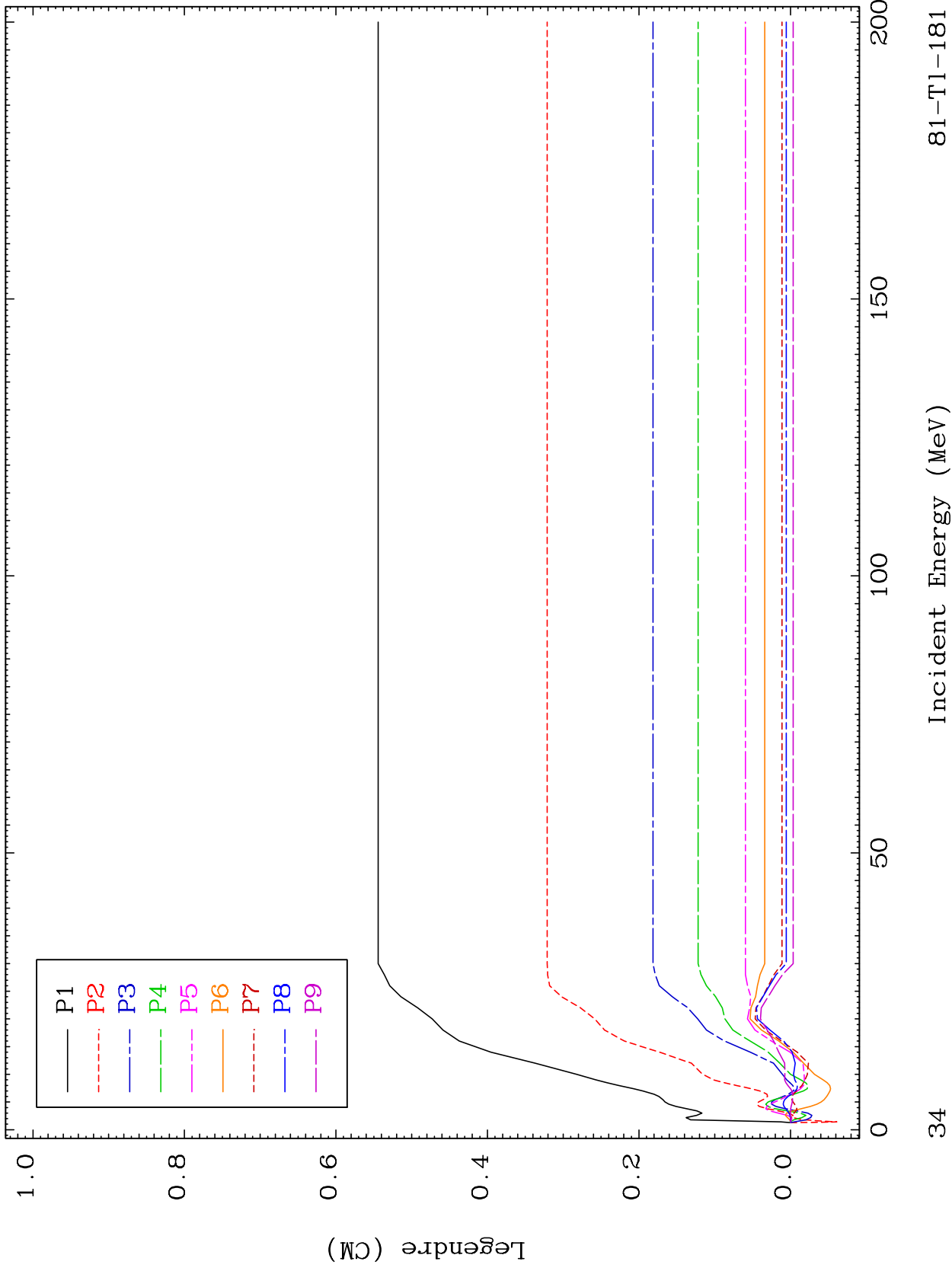
81-Tl-181

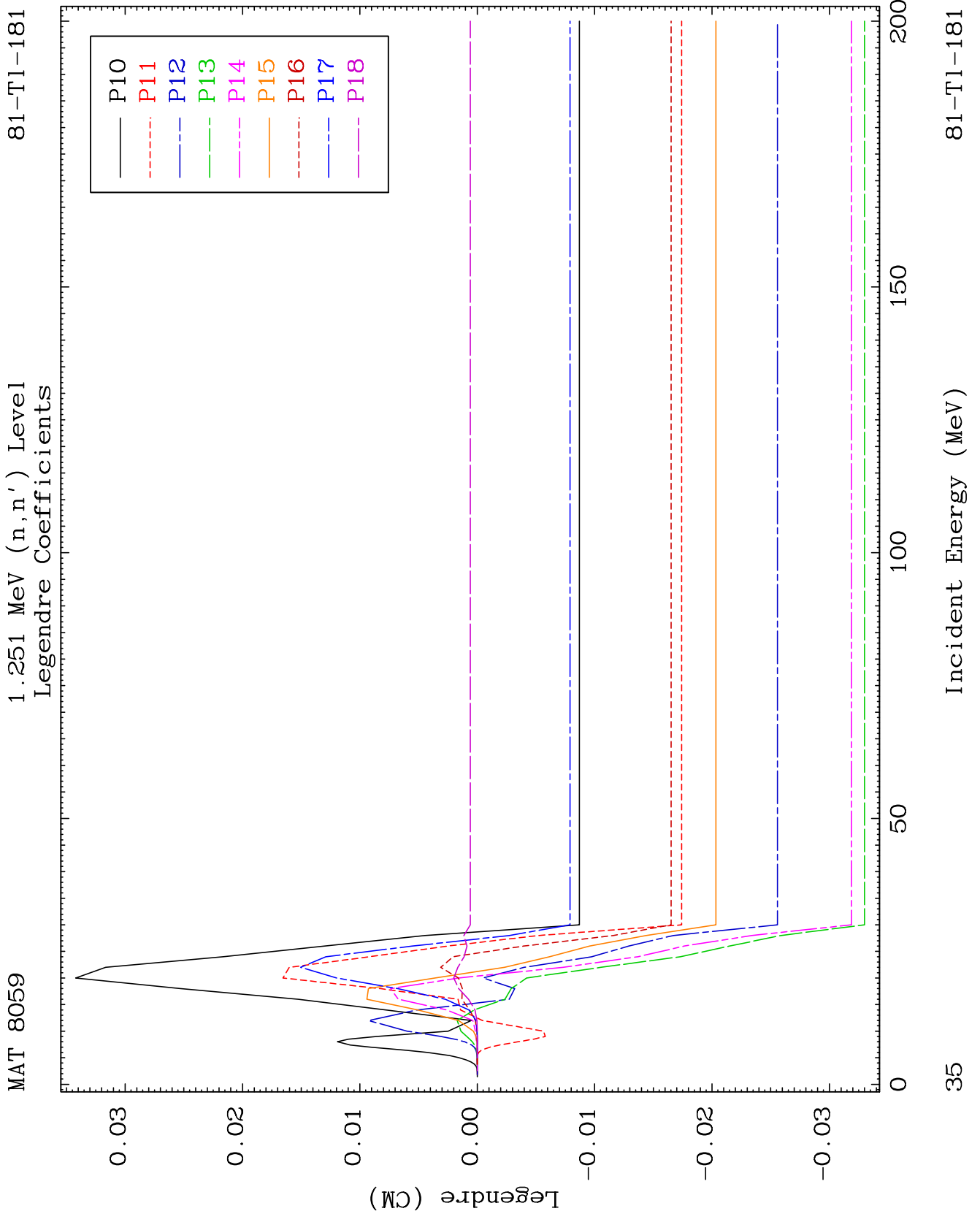


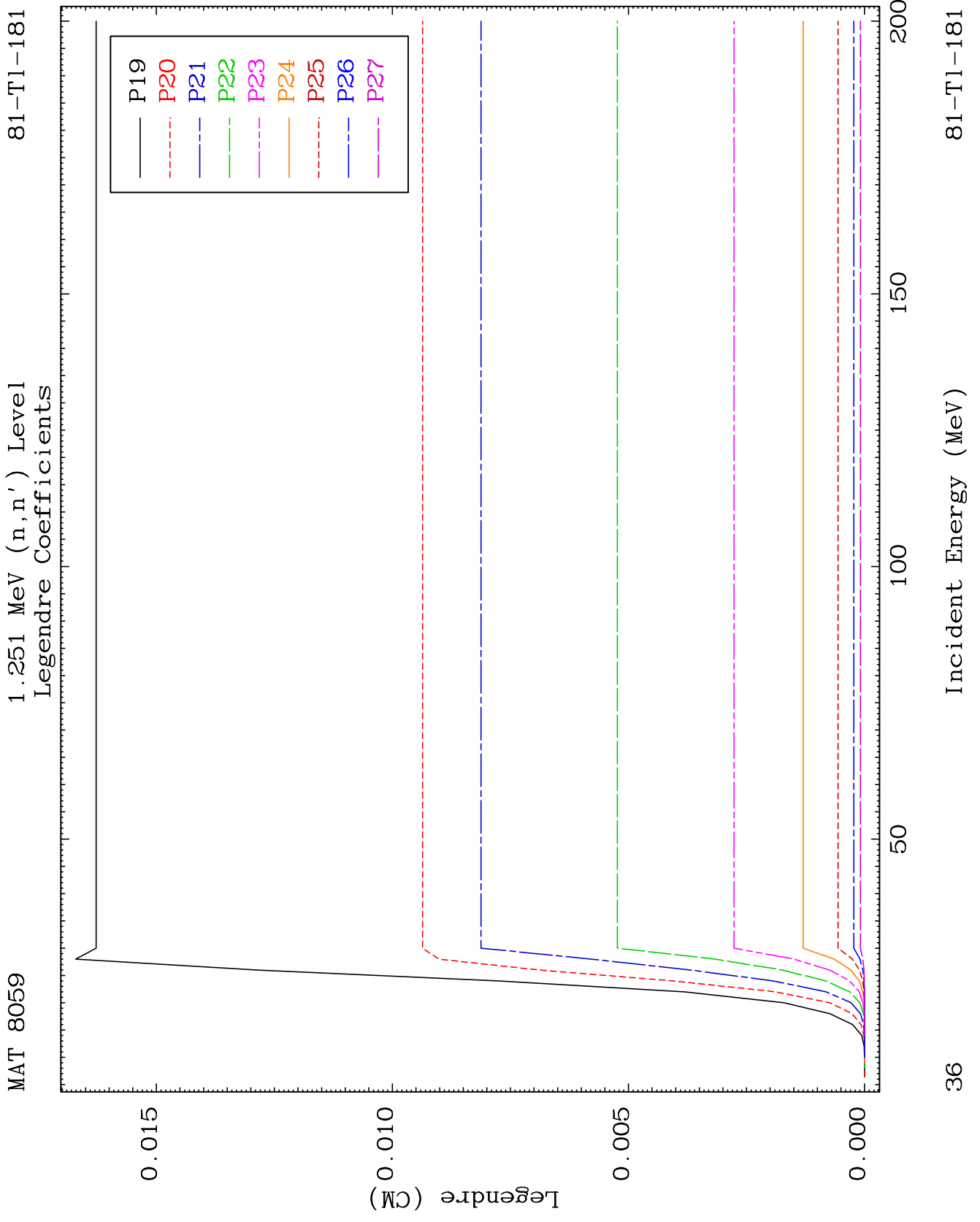
33

Incident Energy (MeV)

81-Tl-181



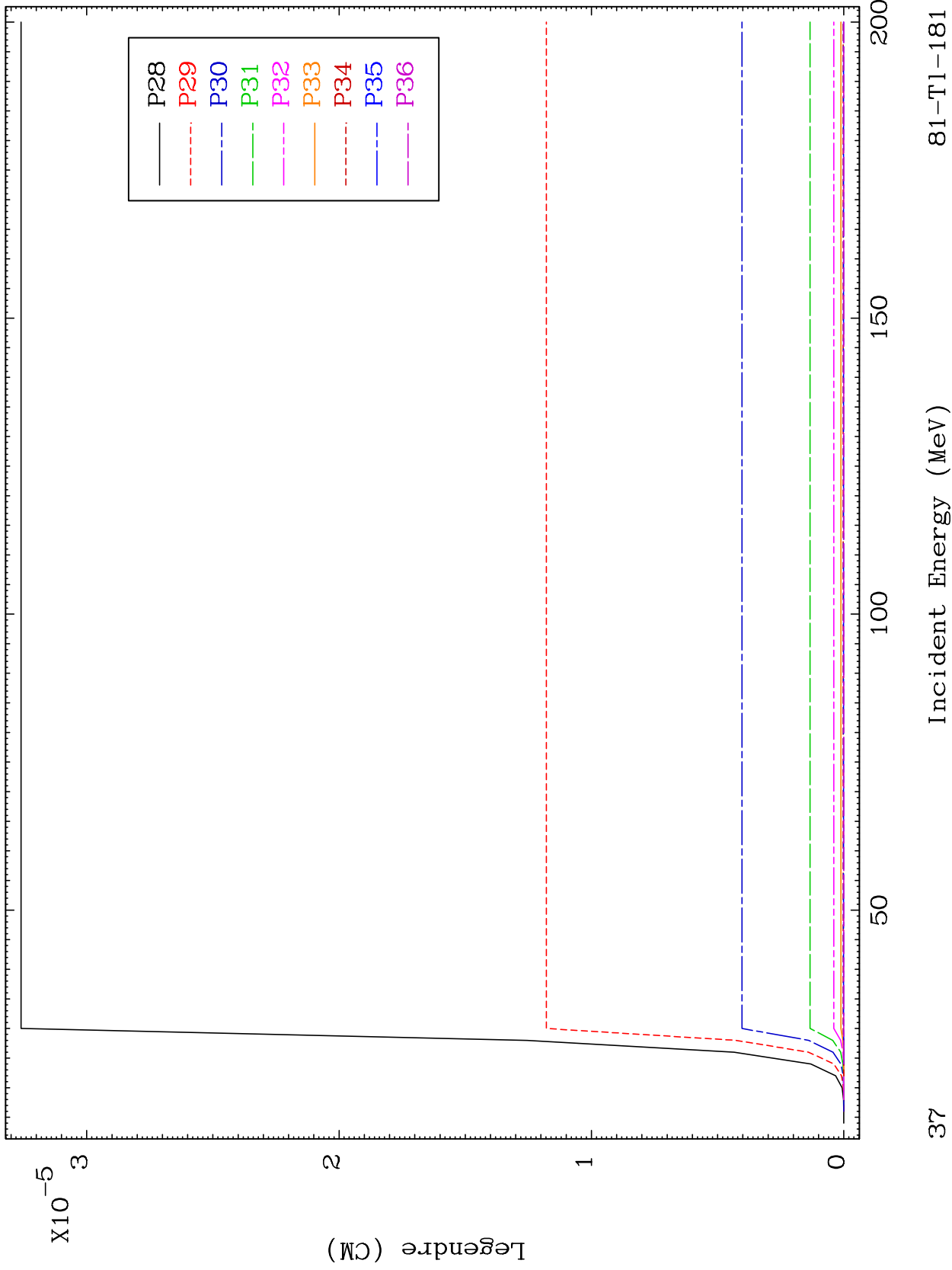




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1.251 MeV (n,n') Level
Legendre Coefficients

81-Tl-181

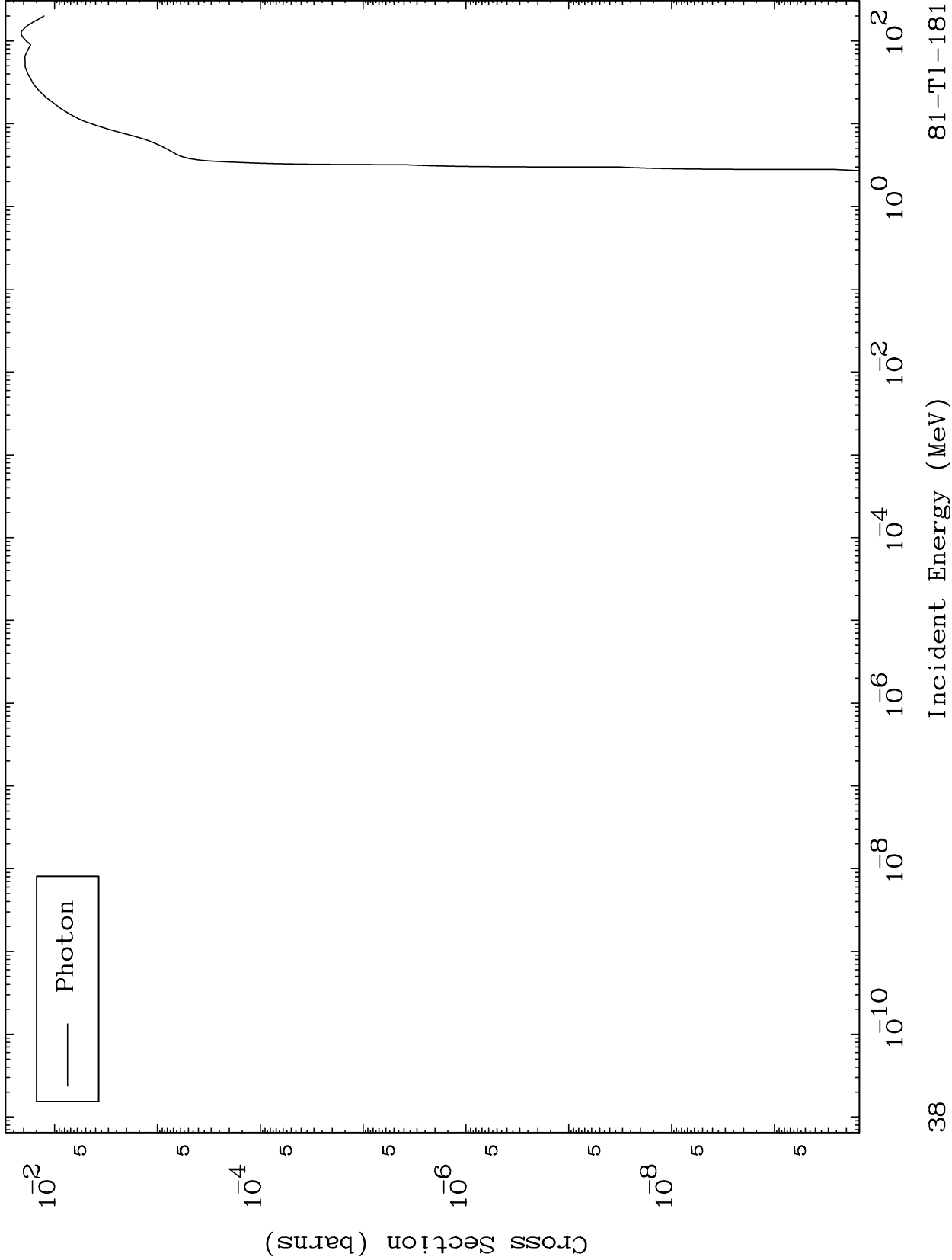


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Fission

81-Tl-181

Radionuclide Production Cross Section



38

Incident Energy (MeV)

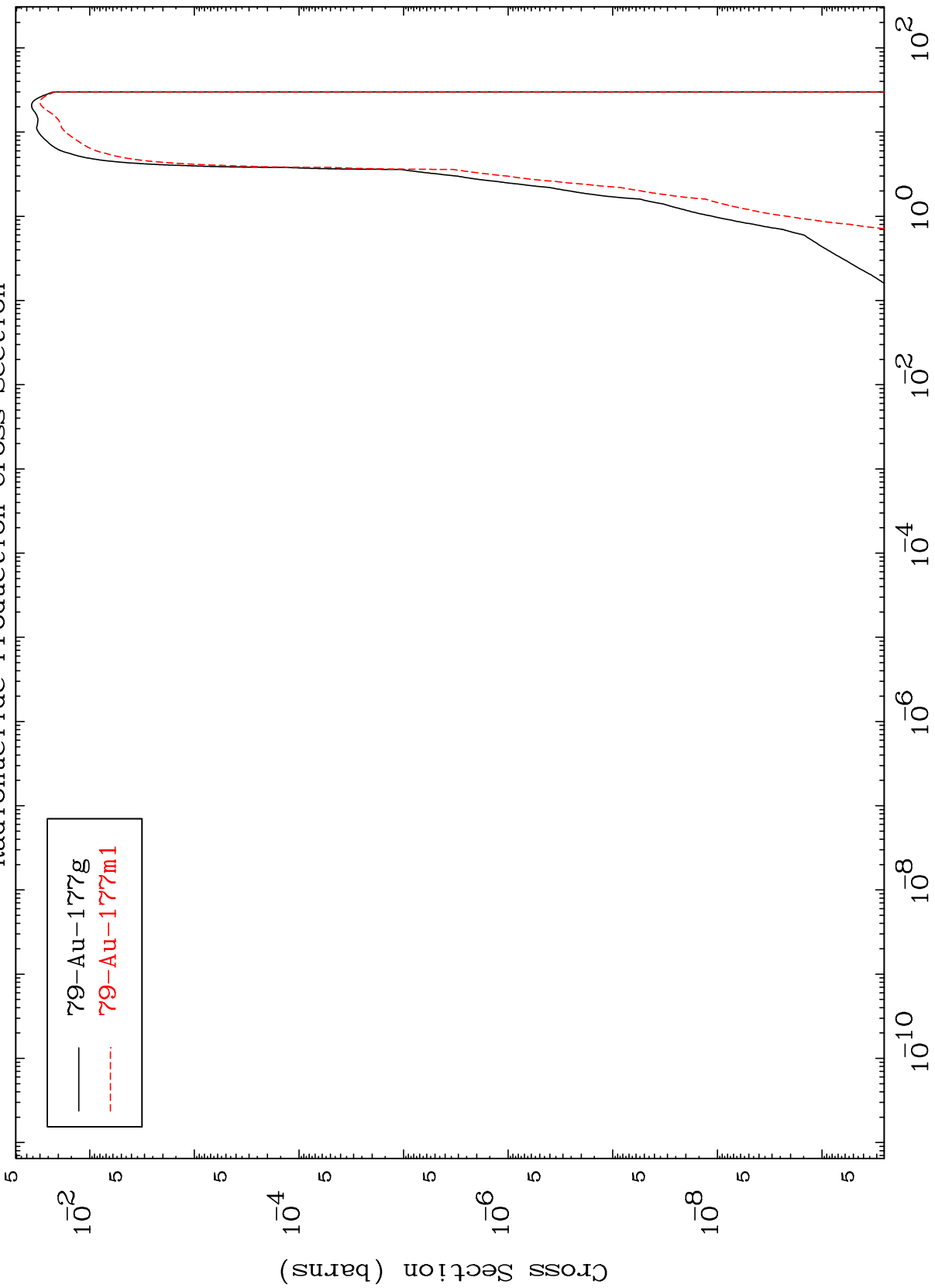
81-Tl-181

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$(n, n') \alpha$

81-Tl-181

Radionuclide Production Cross Section

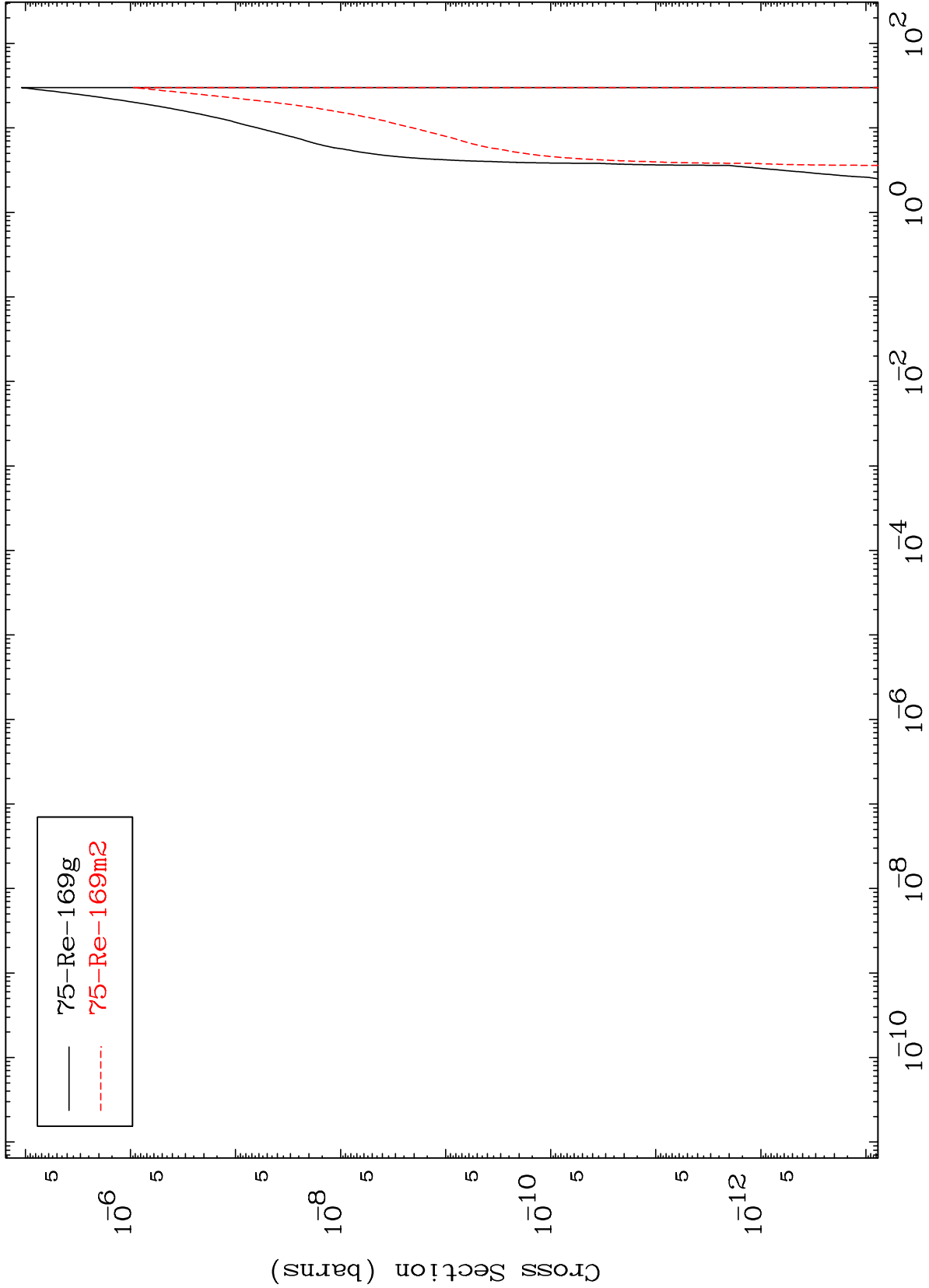


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(n,n') 3α

81-Tl-181

Radionuclide Production Cross Section



40

Incident Energy (MeV)

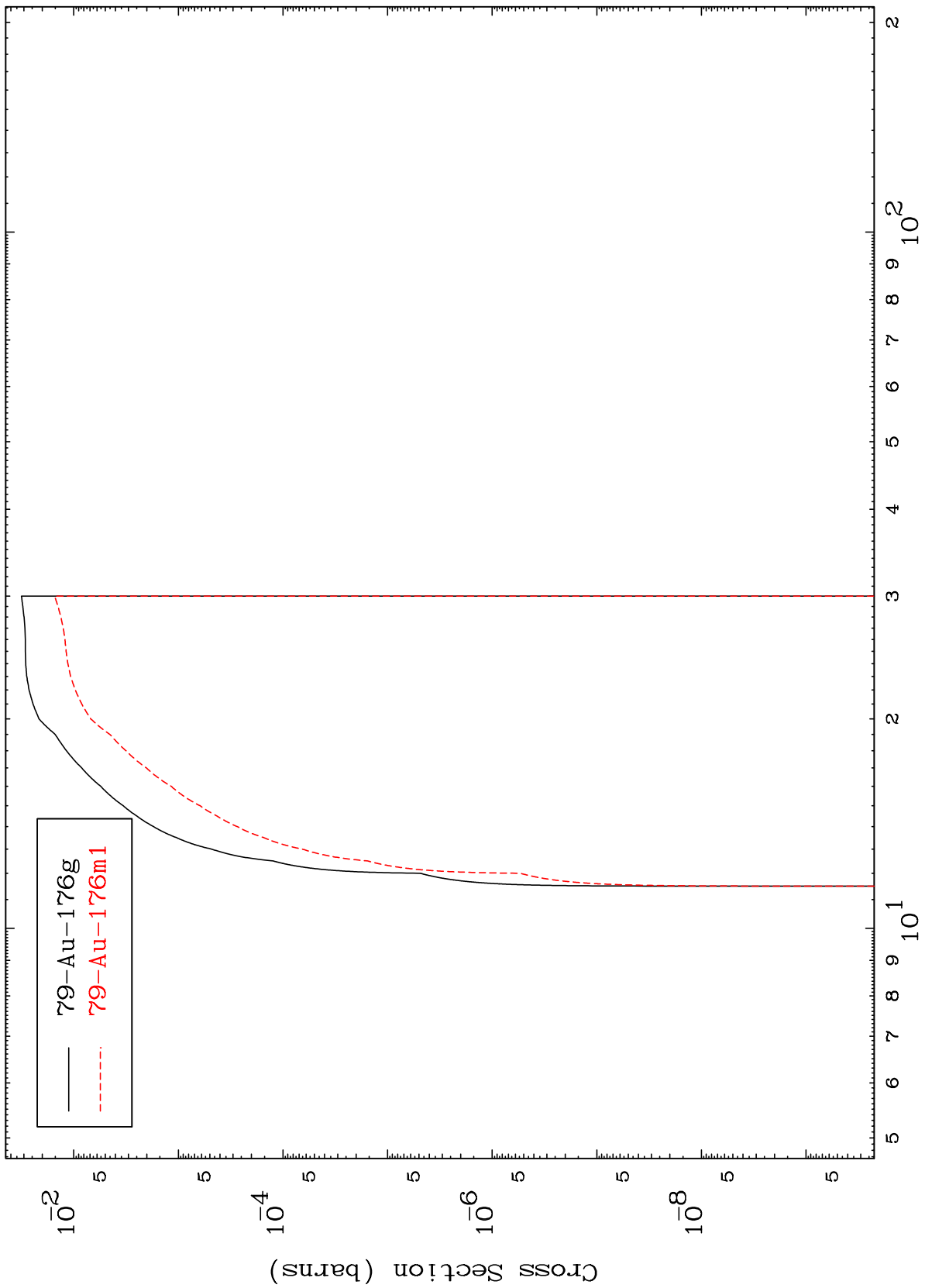
81-Tl-181

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(n,2n) α

81-Tl-181

Radionuclide Production Cross Section



41

Incident Energy (MeV)

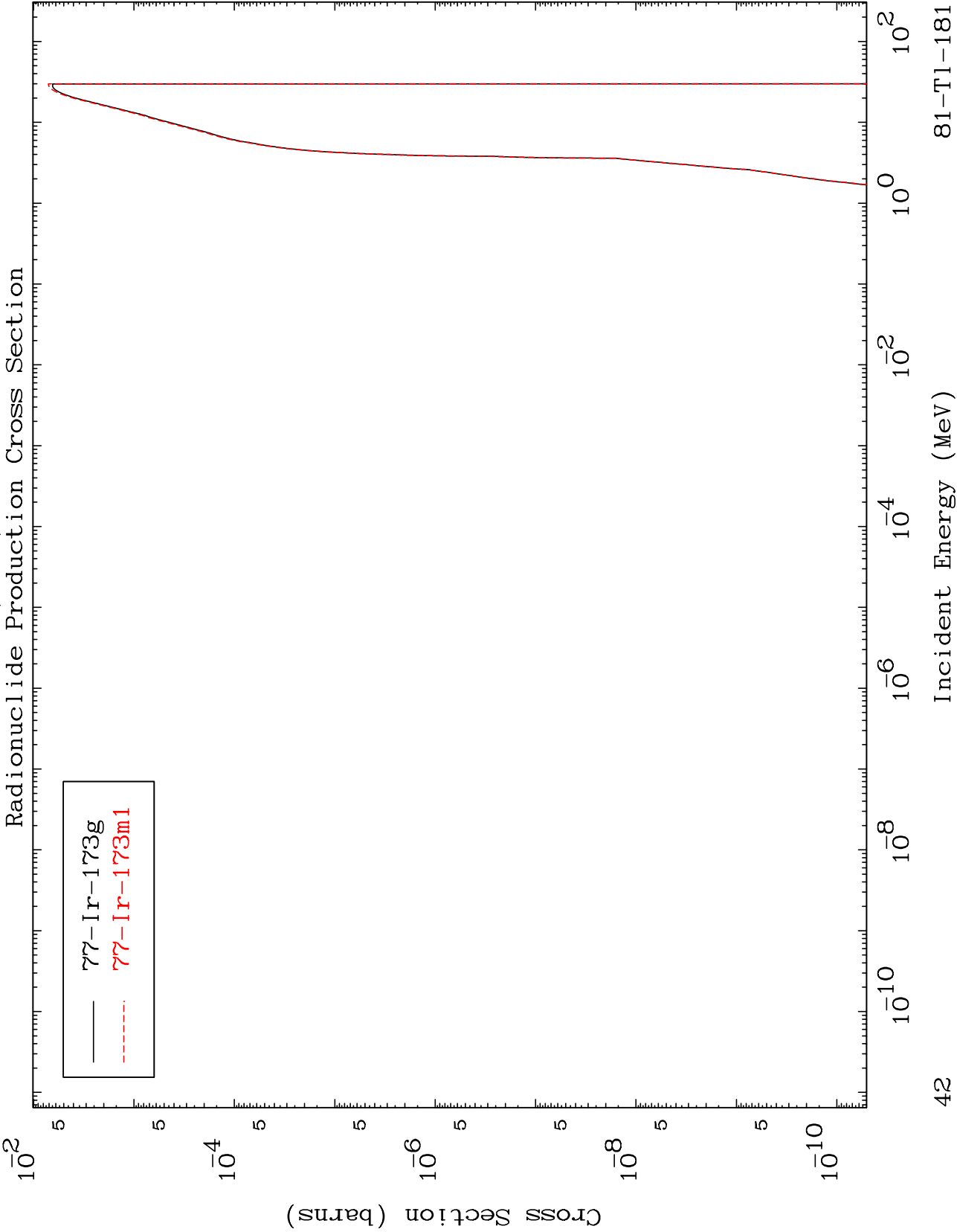
81-Tl-181

MAT 8059

(n,n') 2 α

81-Tl-181

Radionuclide Production Cross Section

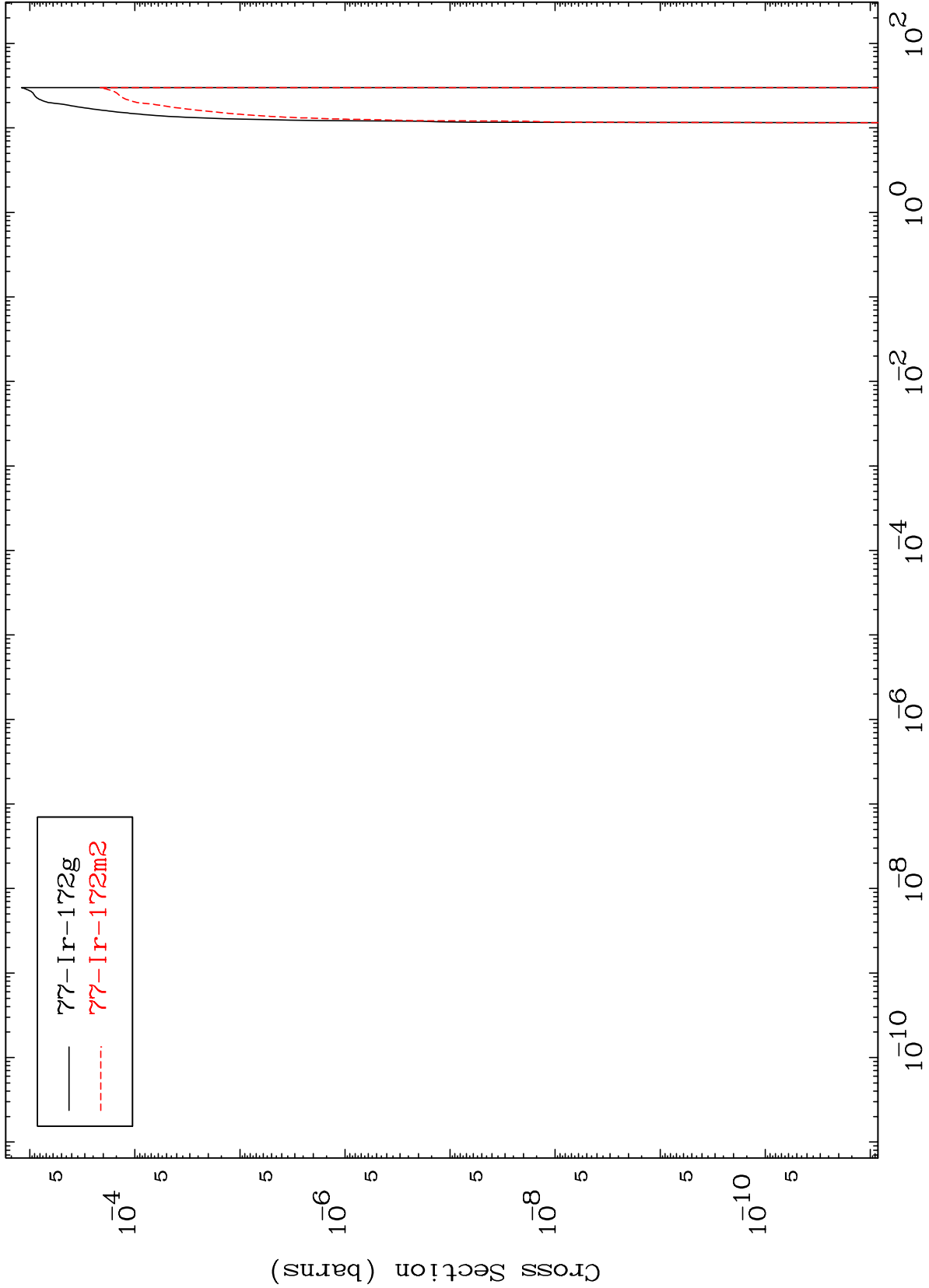


MAT 8059

(n,2n) 2α

81-Tl-181

Radionuclide Production Cross Section

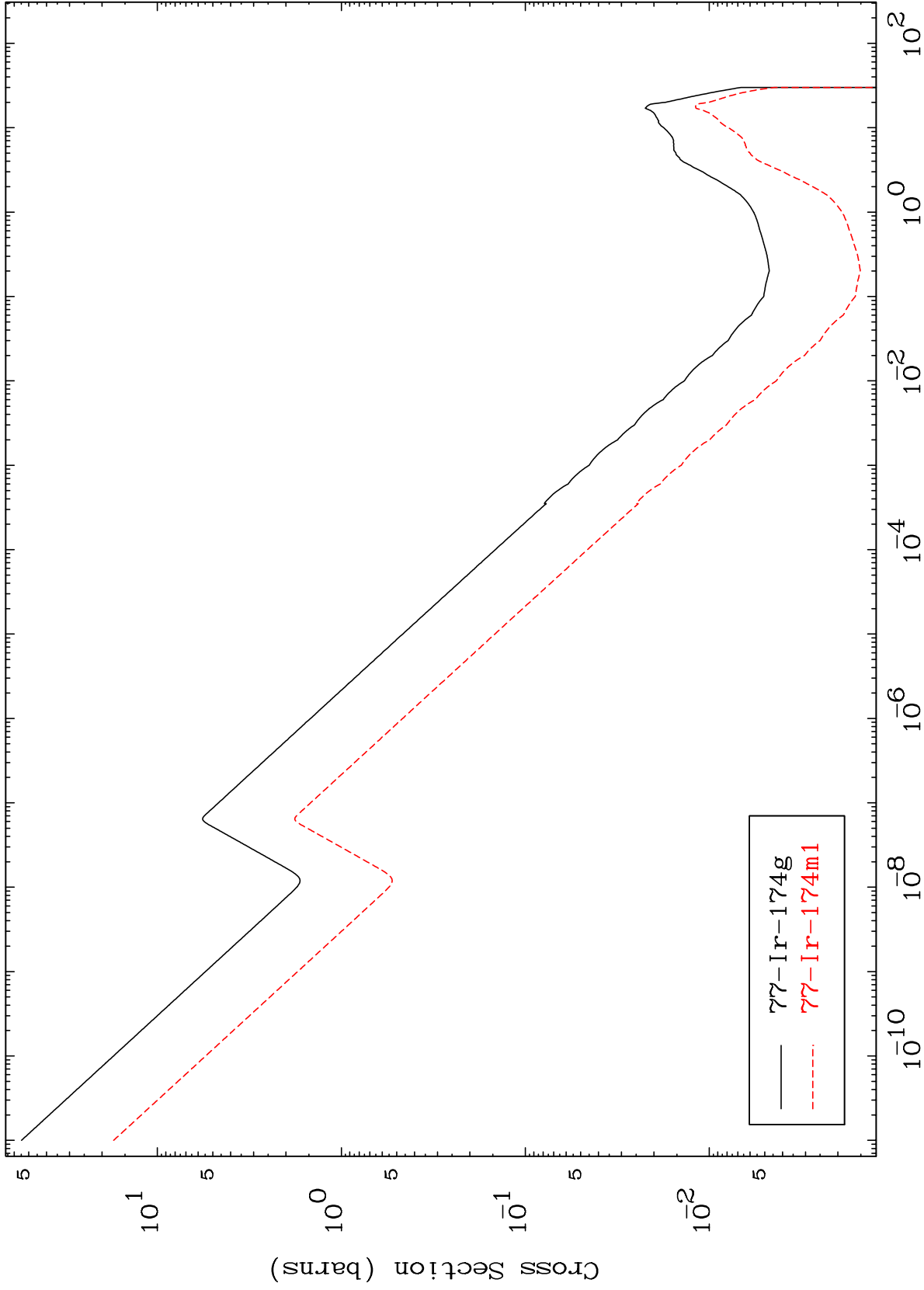


MAT 8059

(n,2α)

81-Tl-181

Radionuclide Production Cross Section



44

Incident Energy (MeV)

81-Tl-181