

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

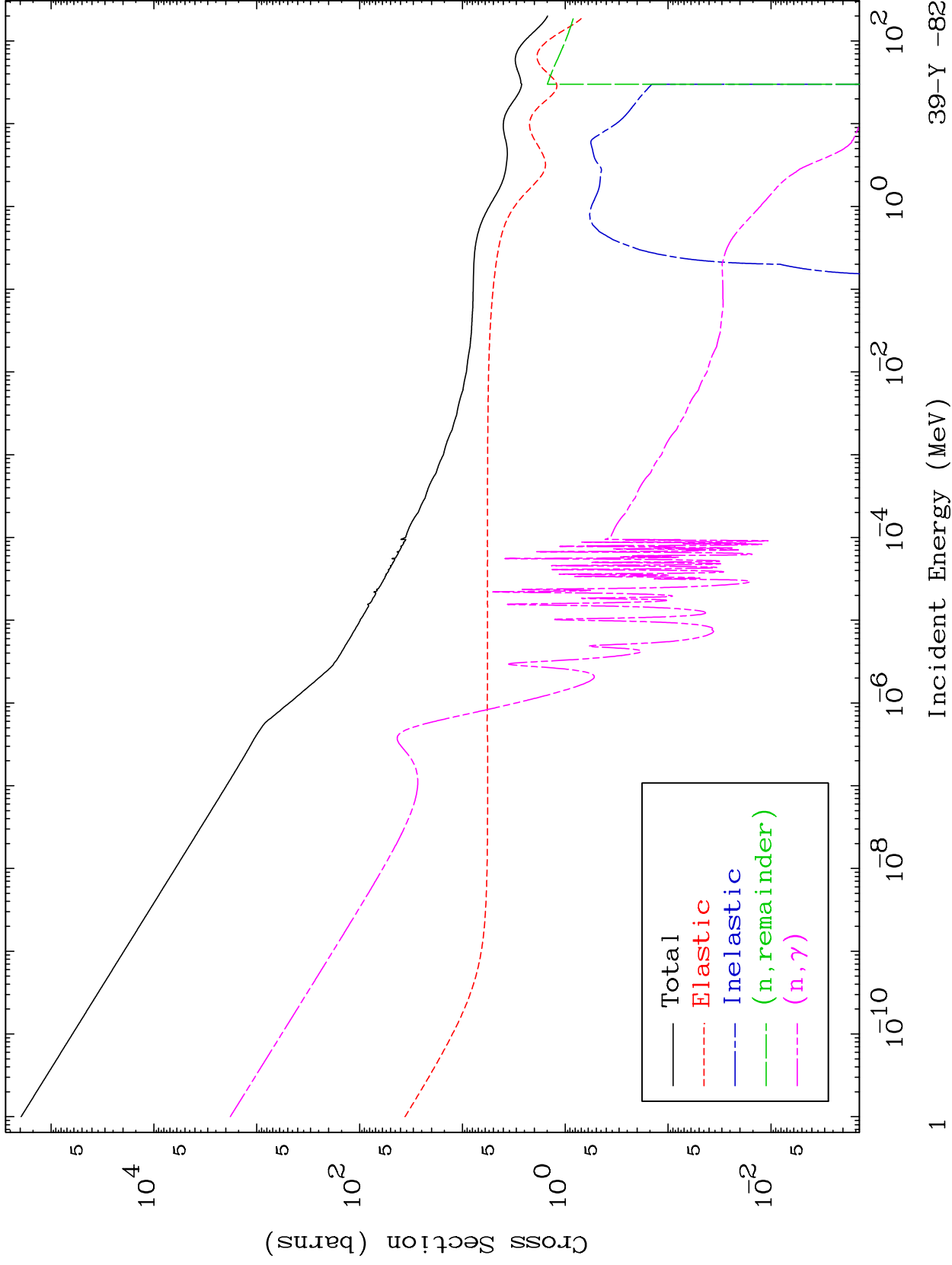
Web: redcullen1.net/HOMEPAGE.NEW

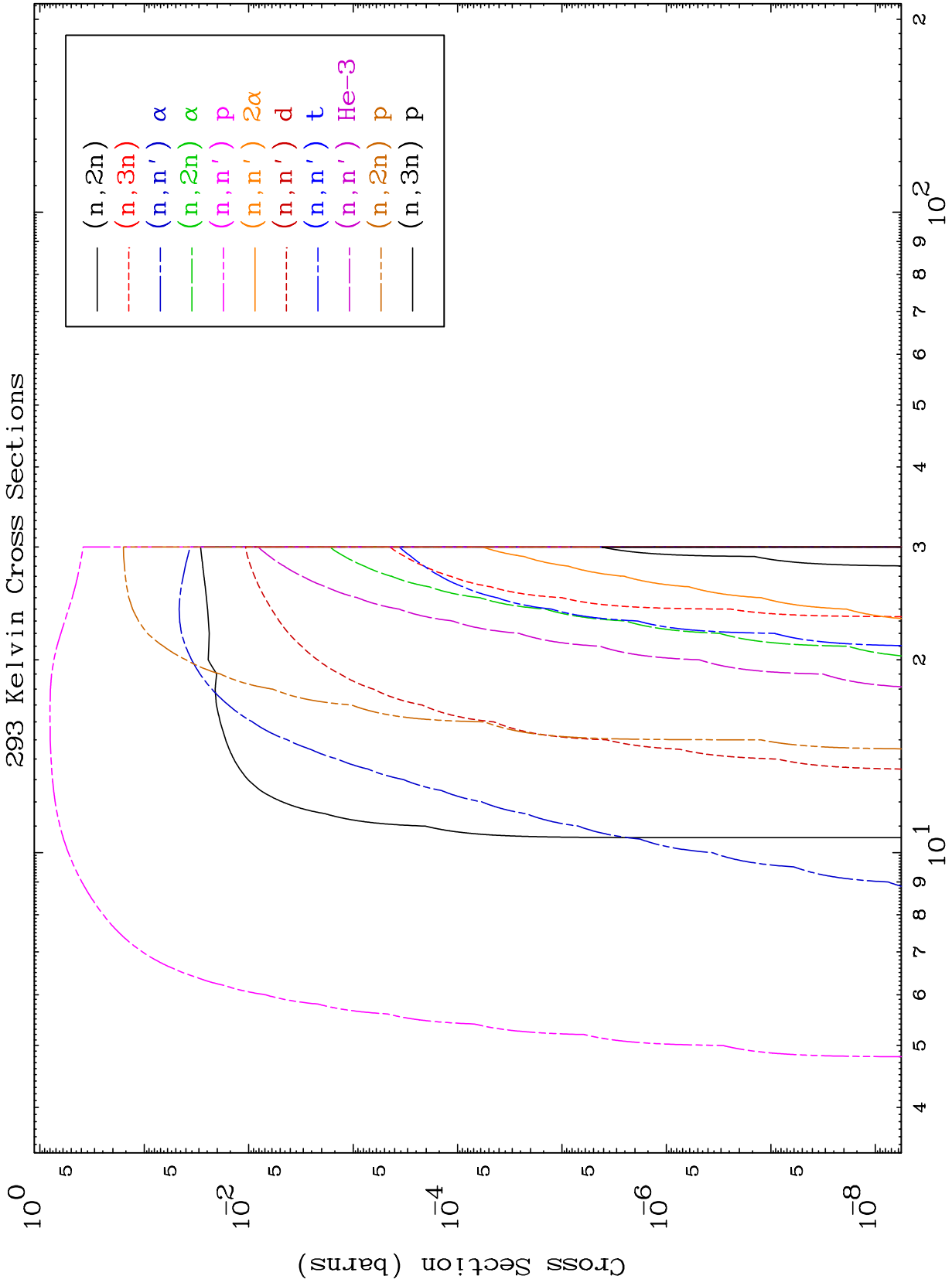
Press Mouse Button to Start

MAT 3904

Major
293 Kelvin Cross Sections

39-Y -82

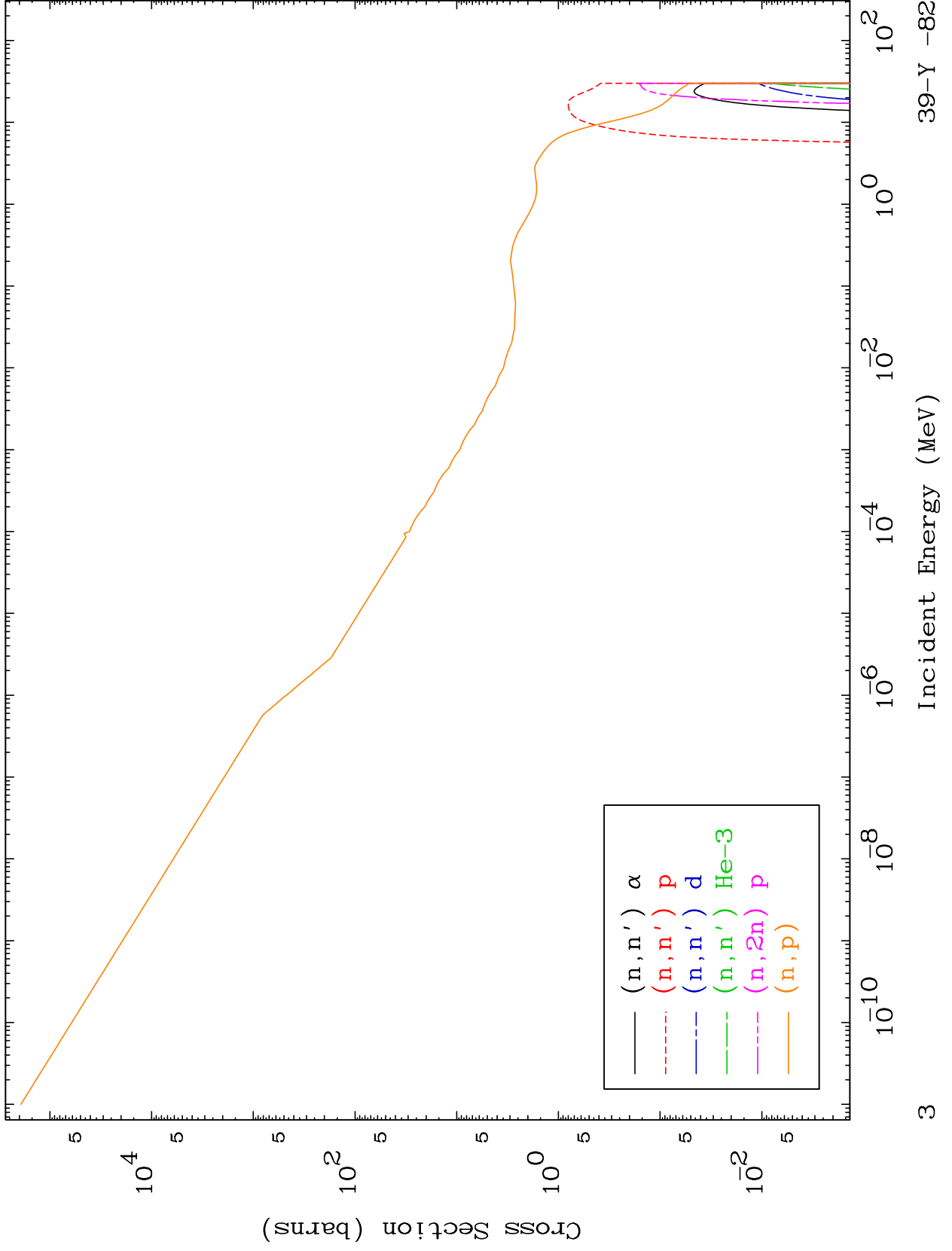




MAT 3904

Charged Particle
293 Kelvin Cross Sections

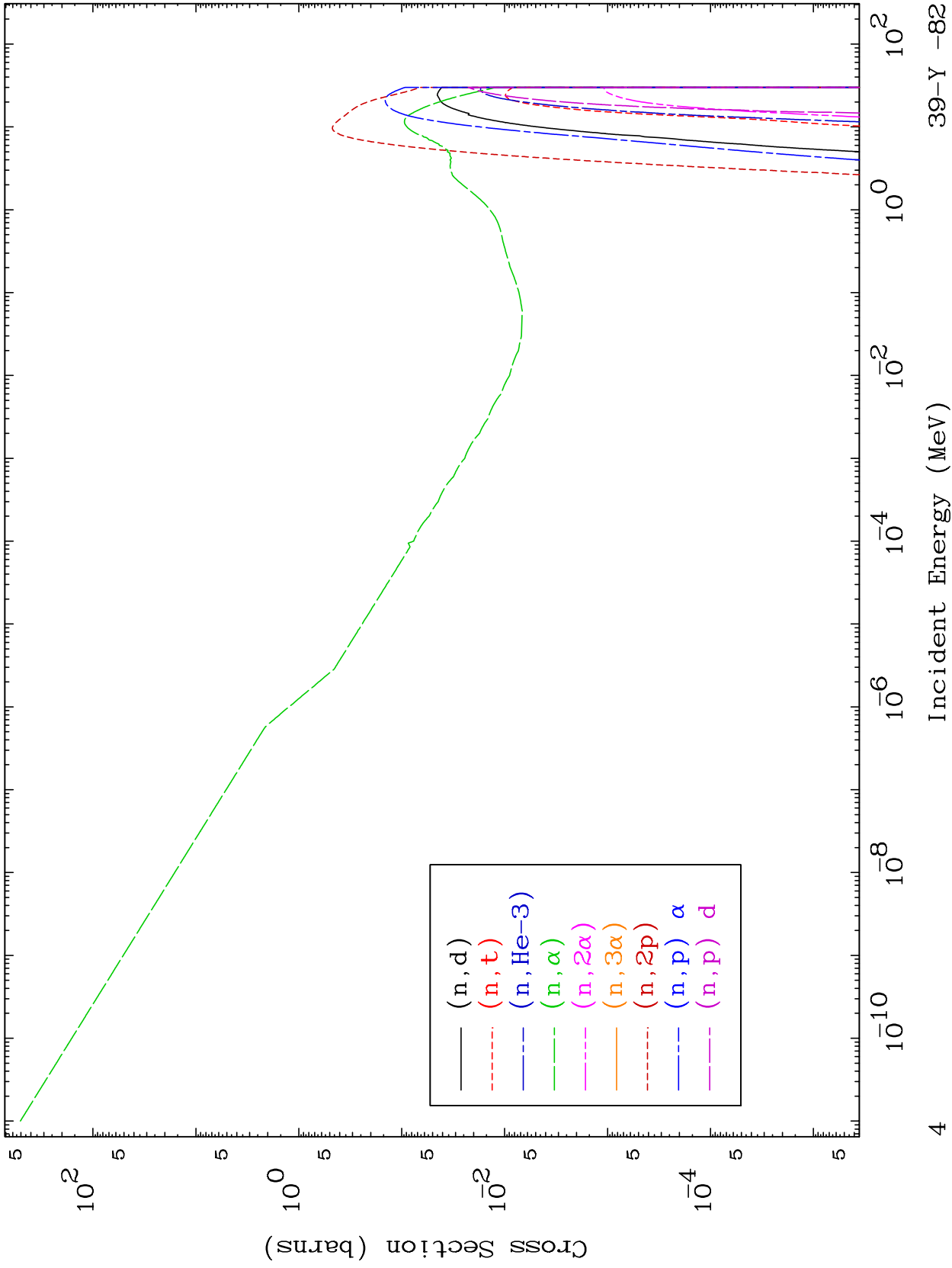
39-Y -82

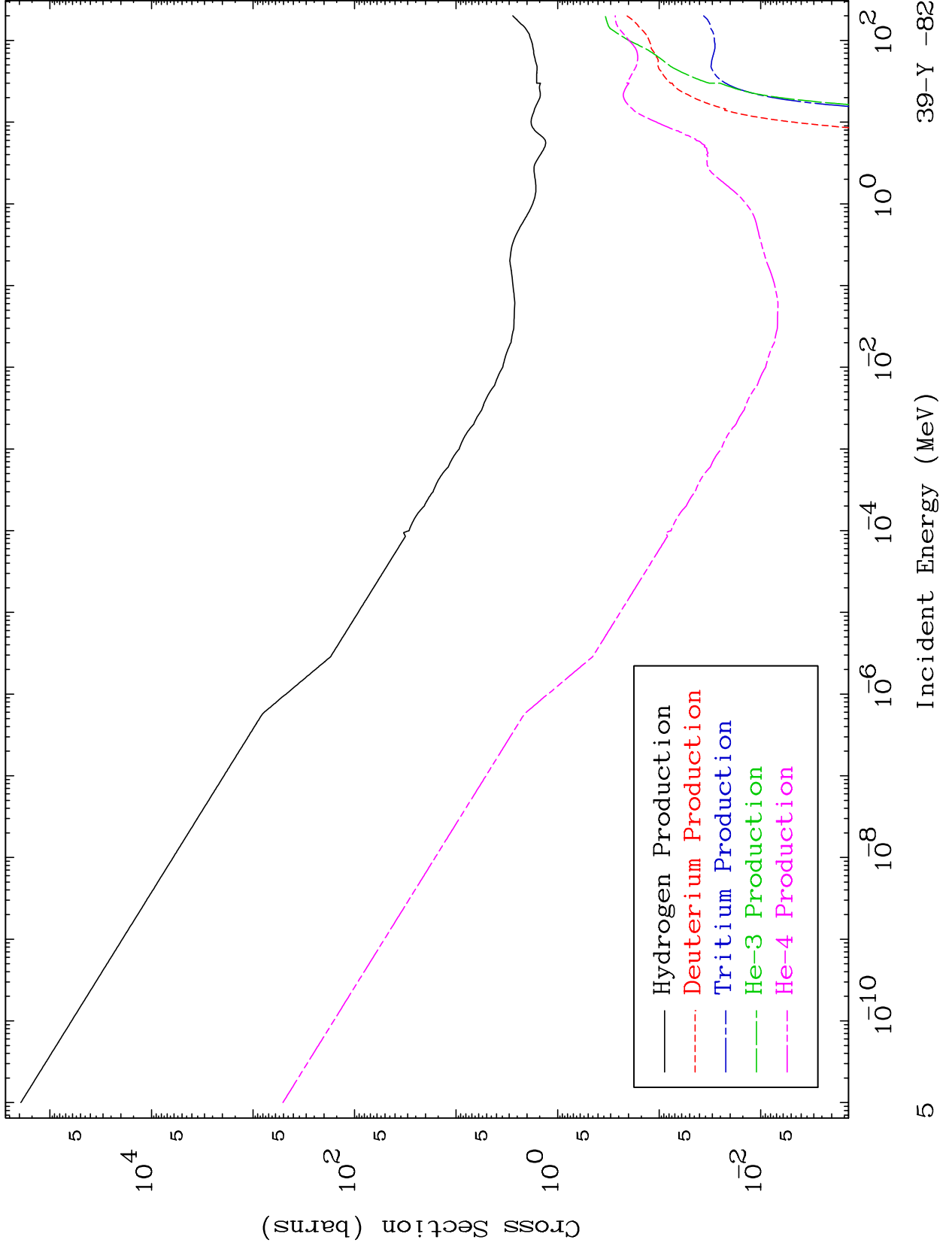


MAT 3904

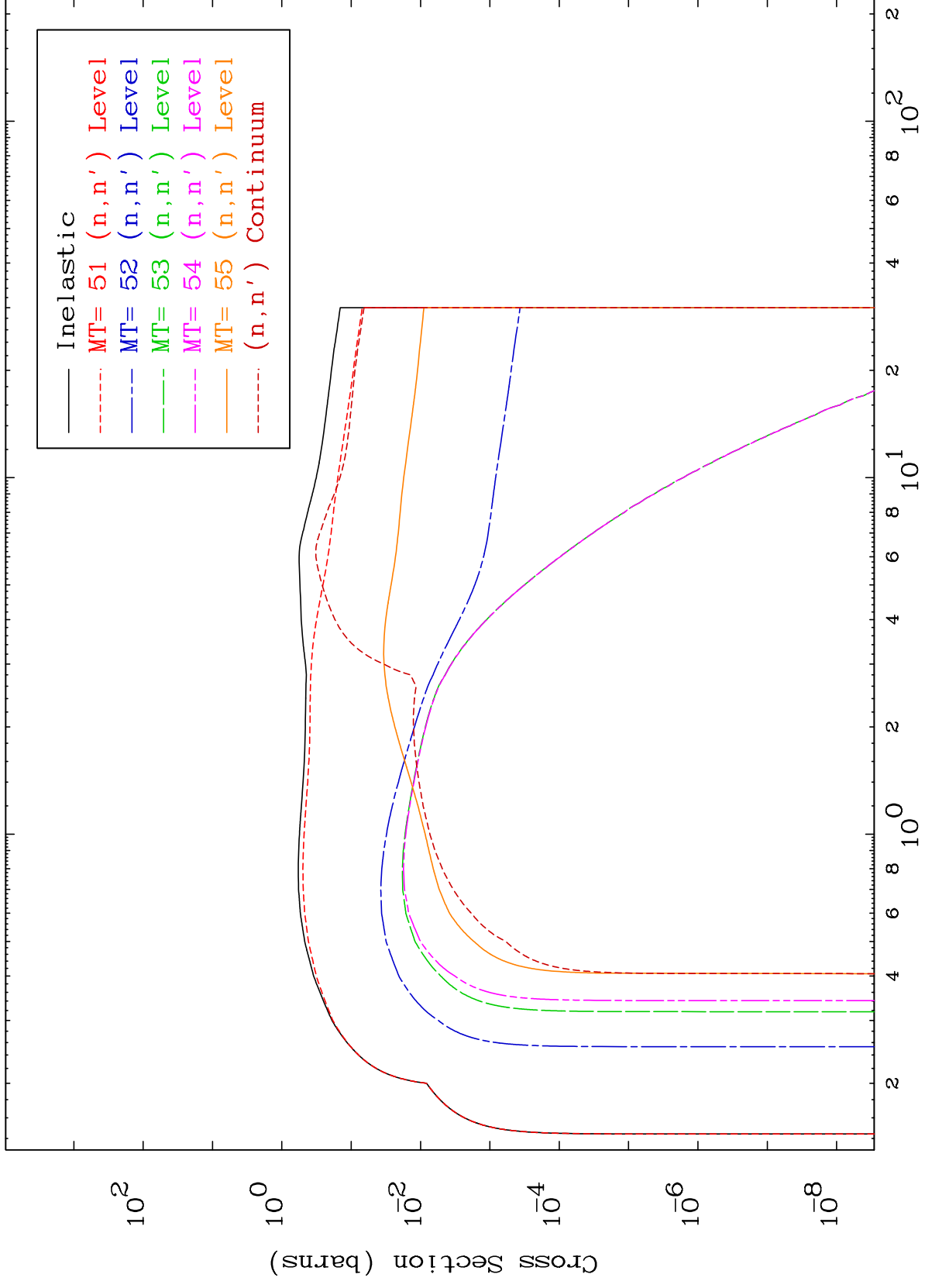
Charged Particle
293 Kelvin Cross Sections

39-Y -82





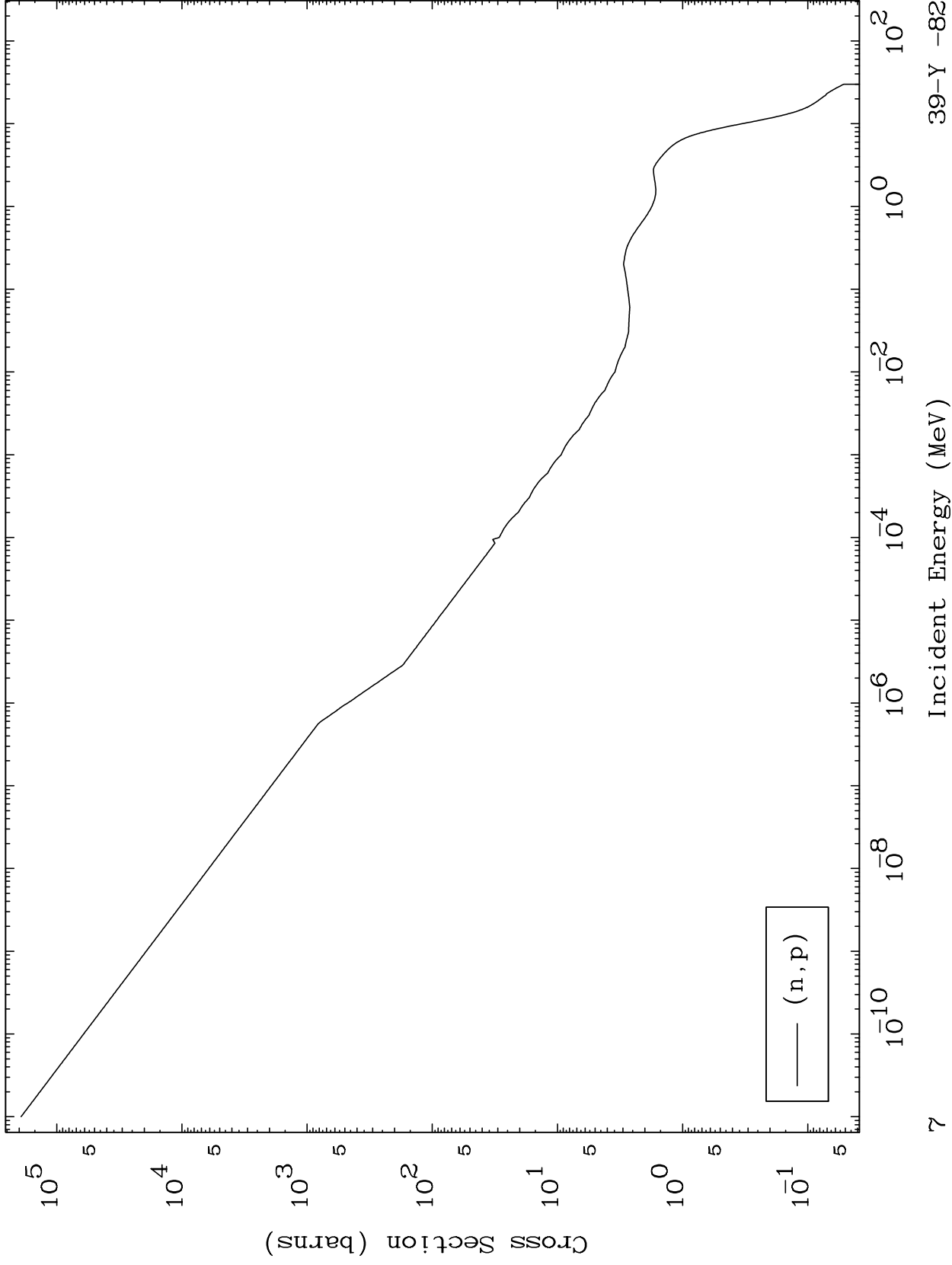
293 Kelvin Cross Sections



MAT 3904

(n,p) Levels
293 Kelvin Cross Sections

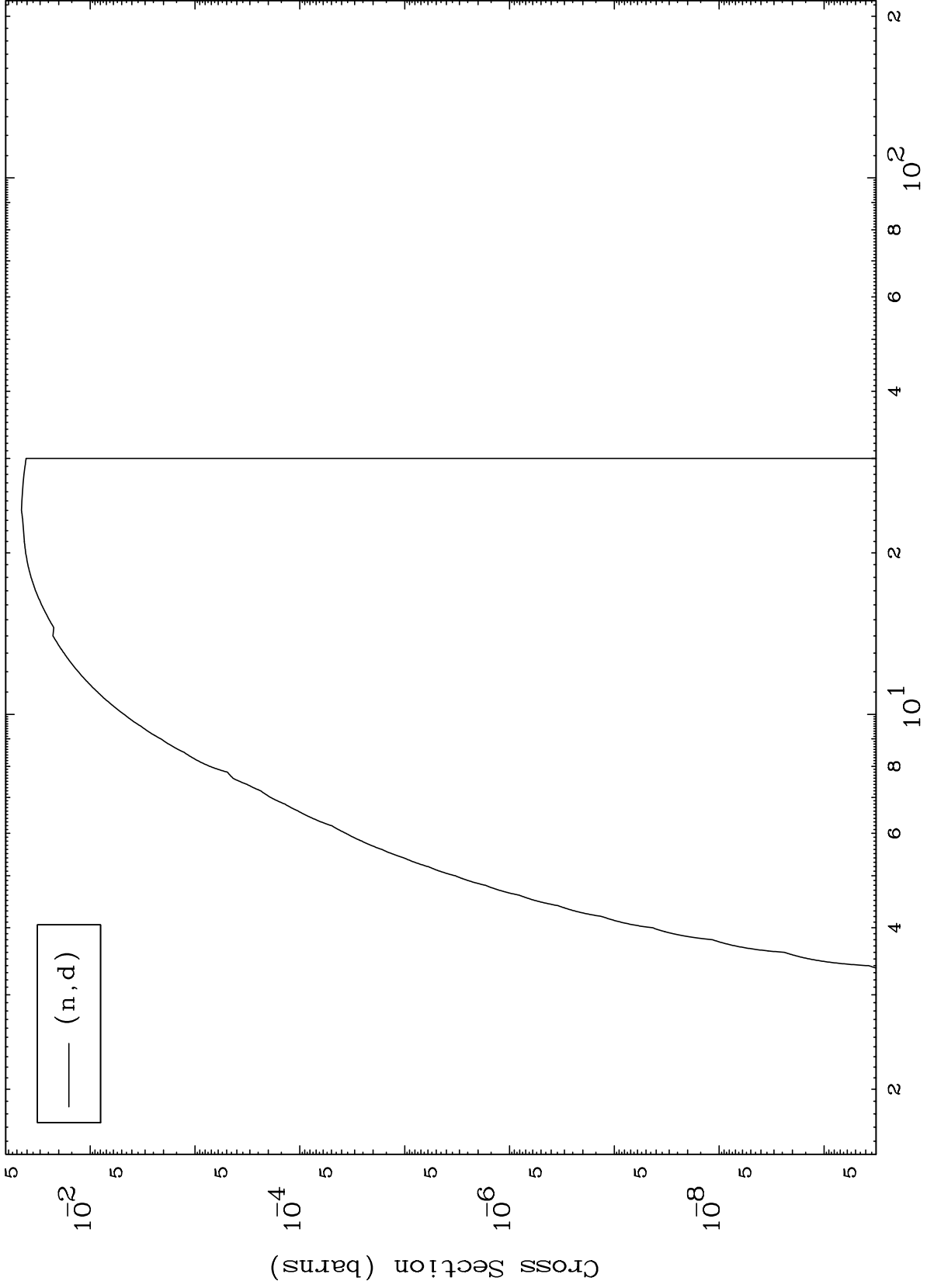
39-Y -82



MAT 3904

(n,d) Levels
293 Kelvin Cross Sections

39-Y -82



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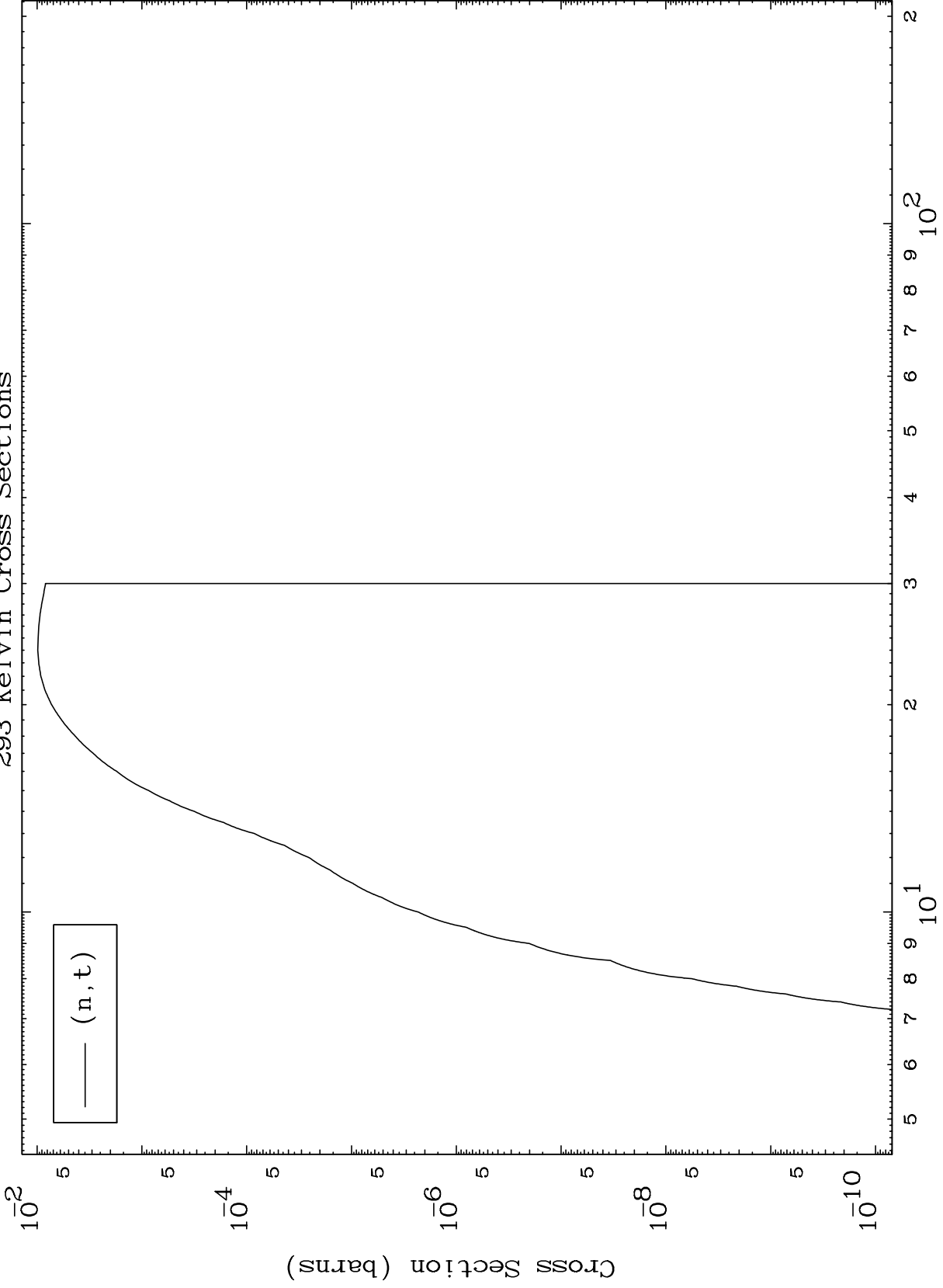
Incident Energy (MeV)

39-Y -82

MAT 3904

(n,t) Levels
293 Kelvin Cross Sections

39-Y -82



9

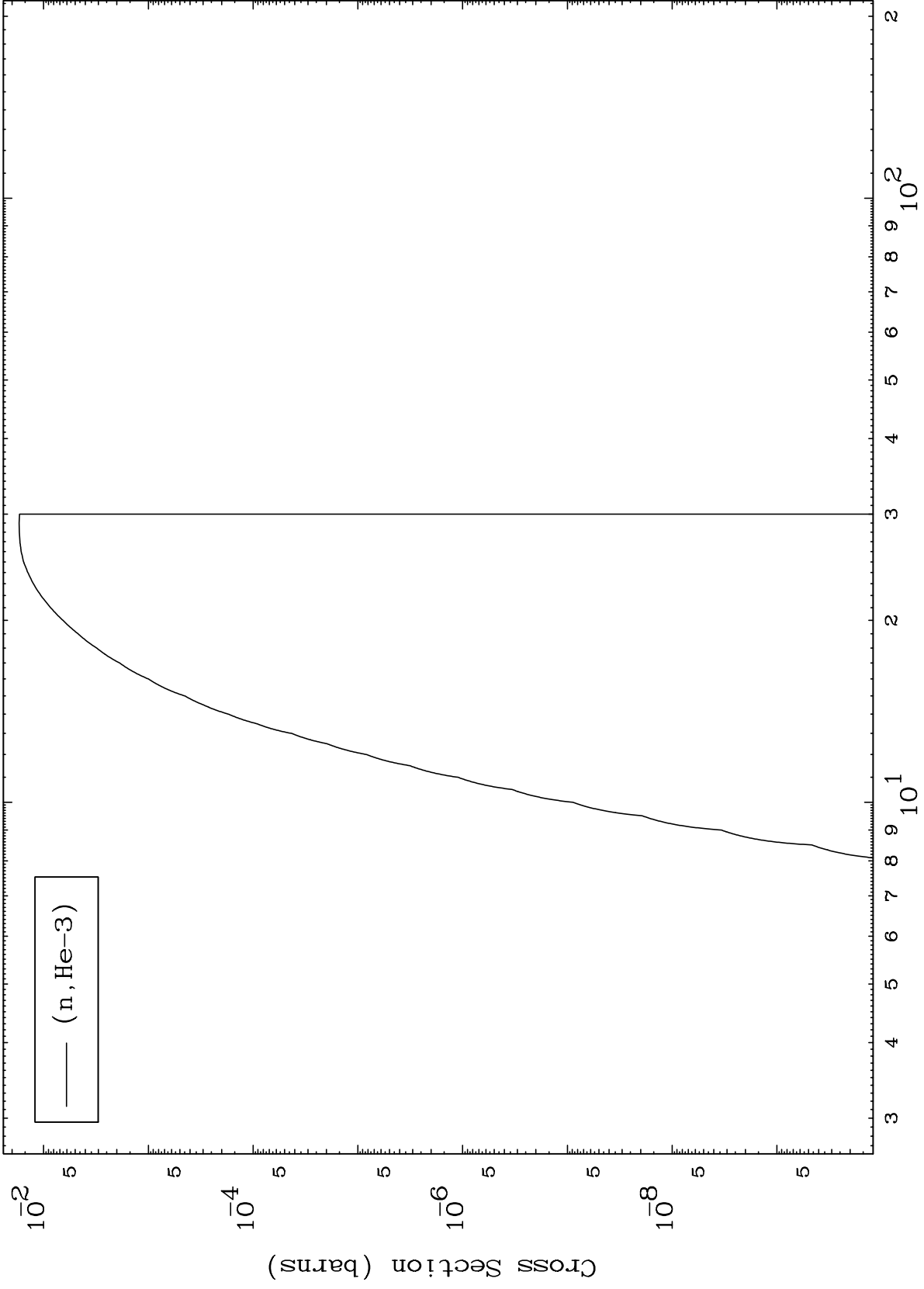
Incident Energy (MeV)

39-Y -82

MAT 3904

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -82



10

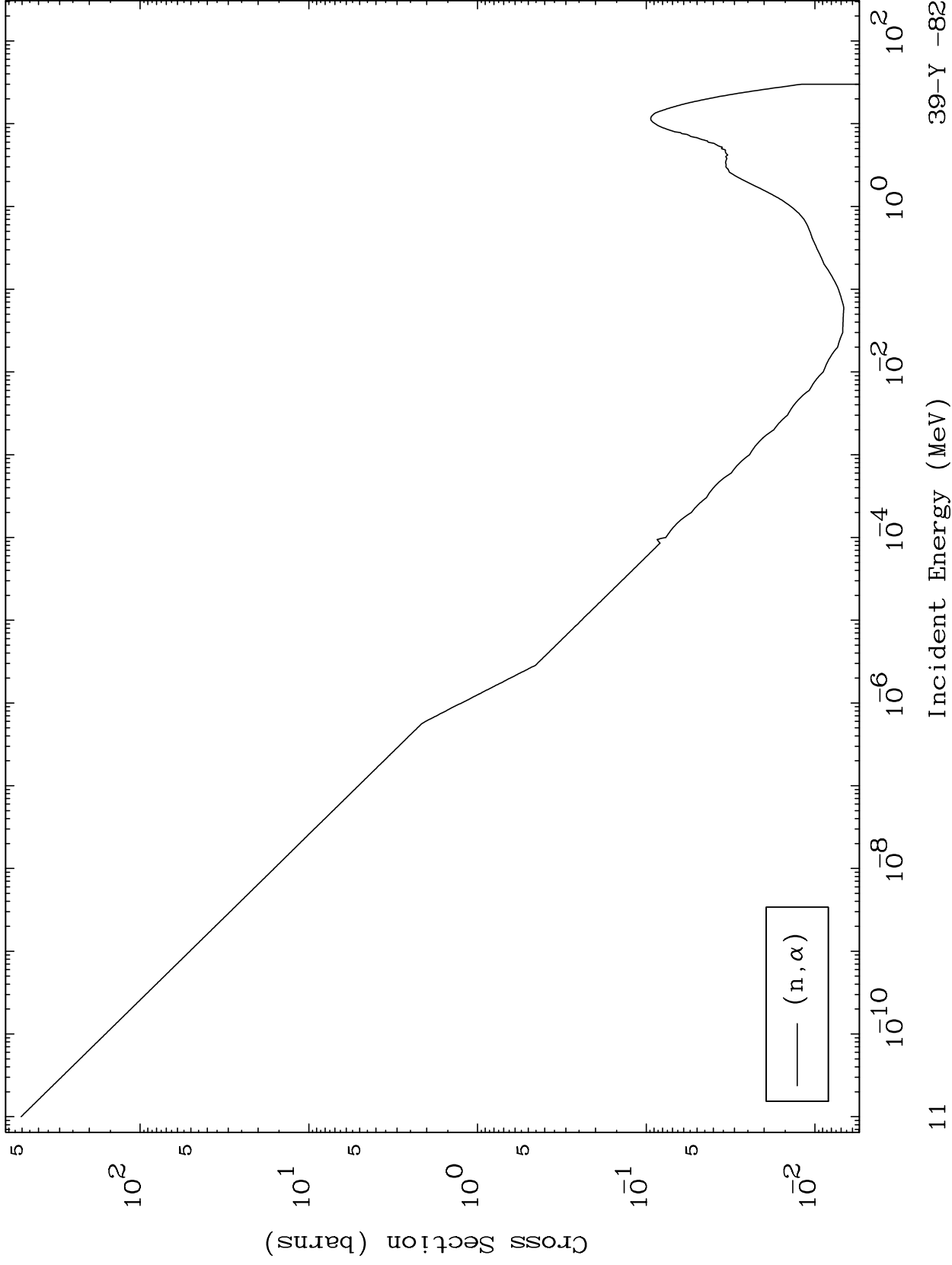
Incident Energy (MeV)

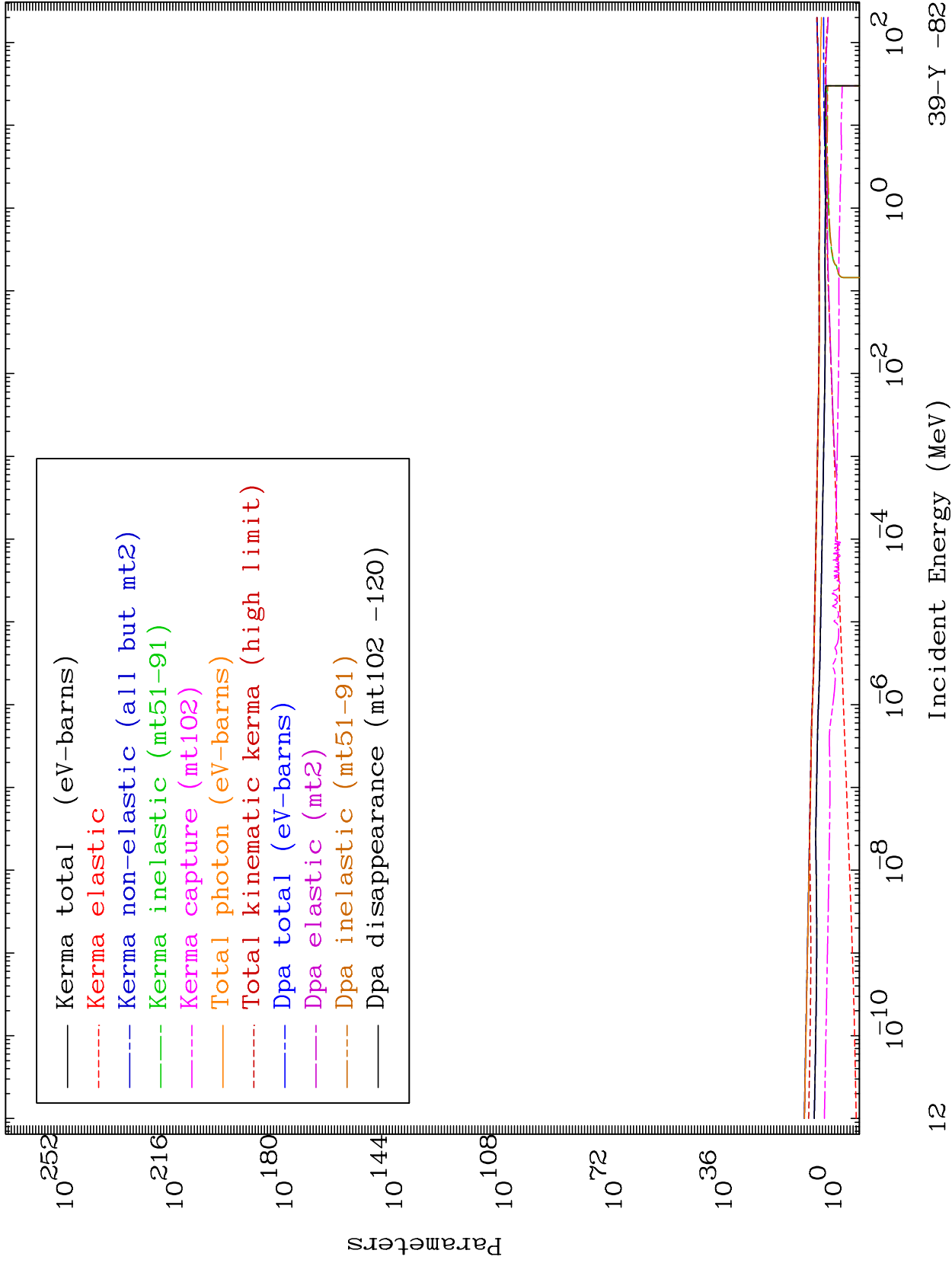
39-Y -82

MAT 3904

(n, α) Levels
293 Kelvin Cross Sections

39-Y -82

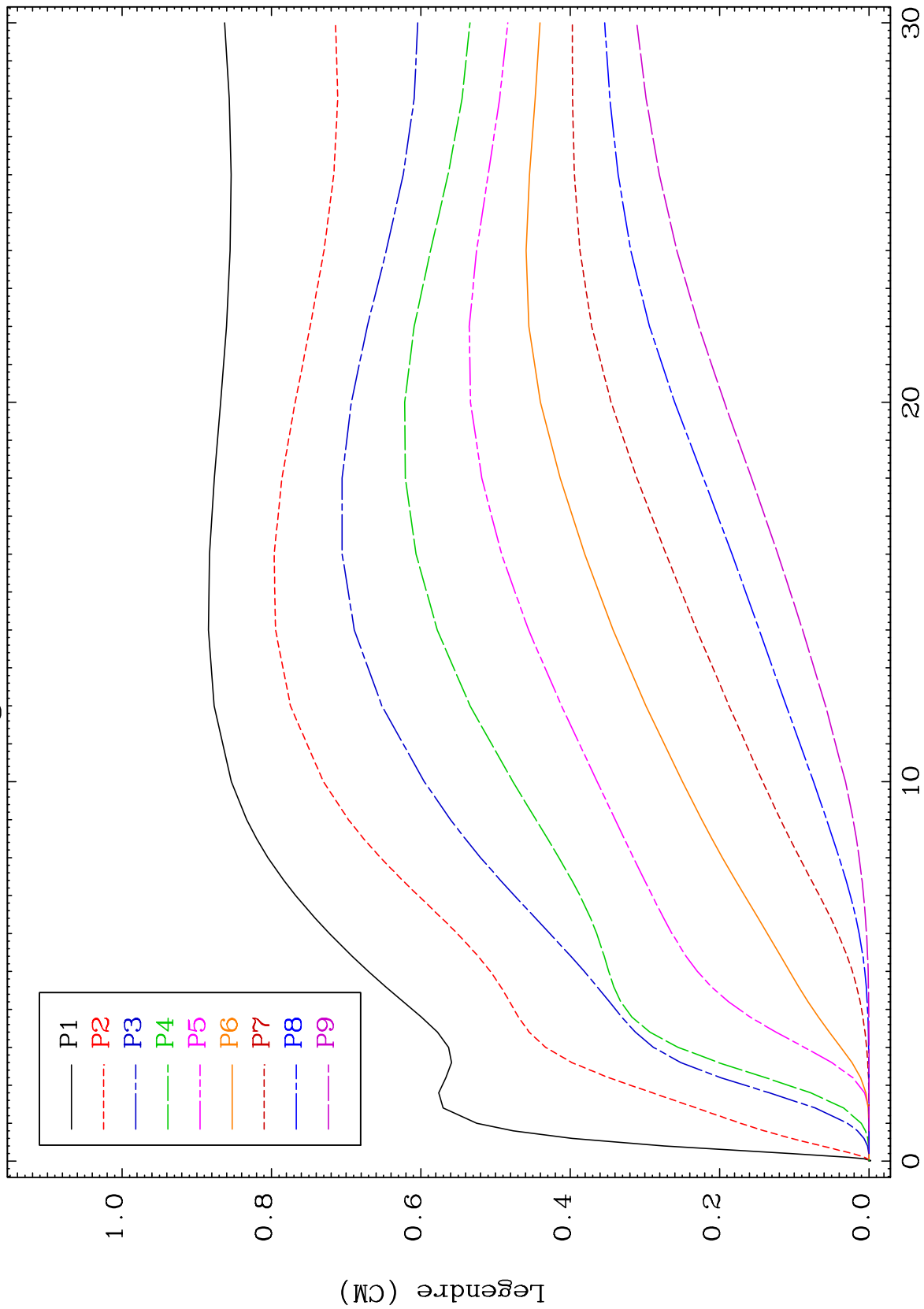




MAT 3904

Elastic Legendre Coefficients

39-Y -82



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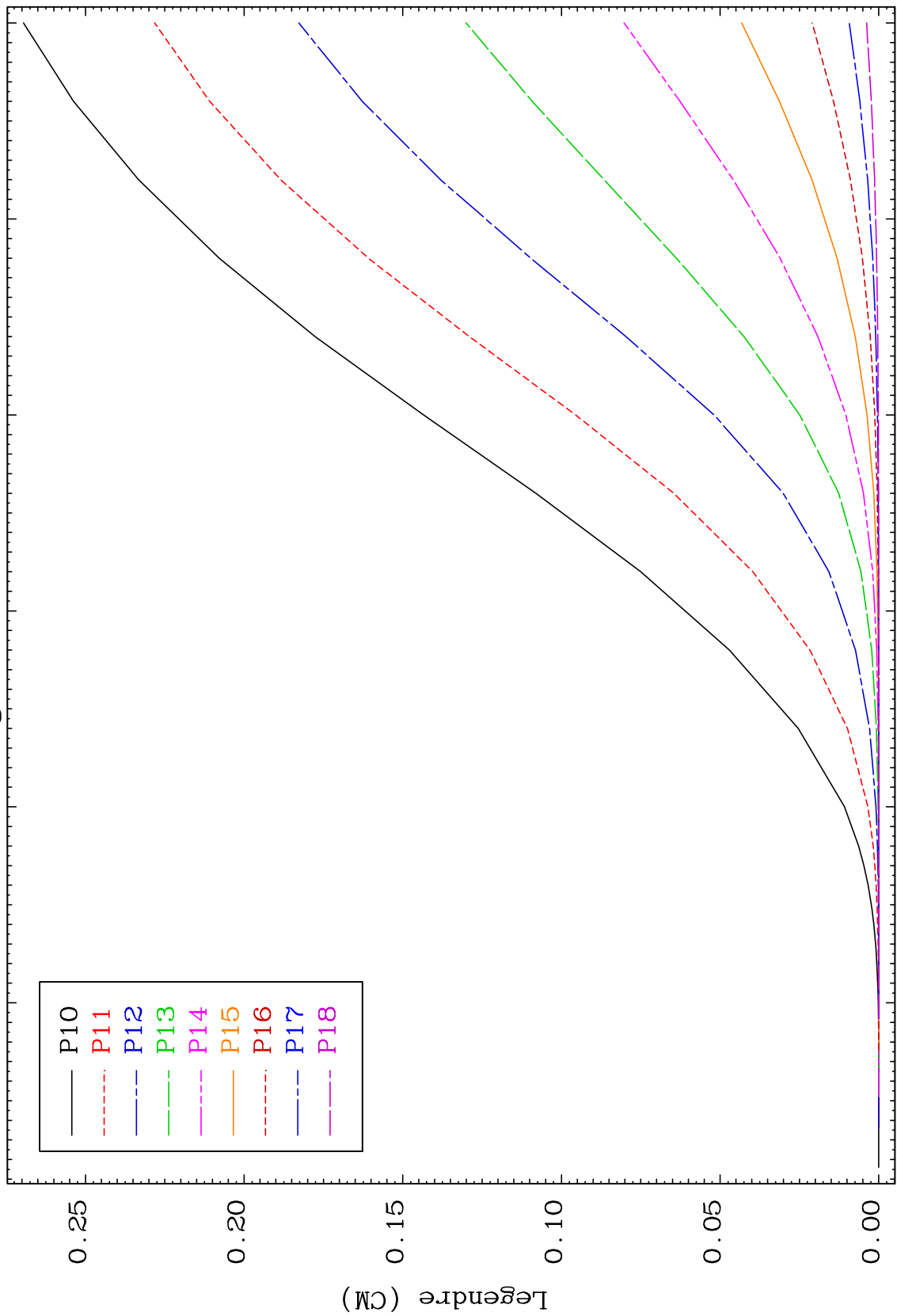
Incident Energy (MeV)

39-Y -82

MAT 3904

Elastic Legendre Coefficients

39-Y -82



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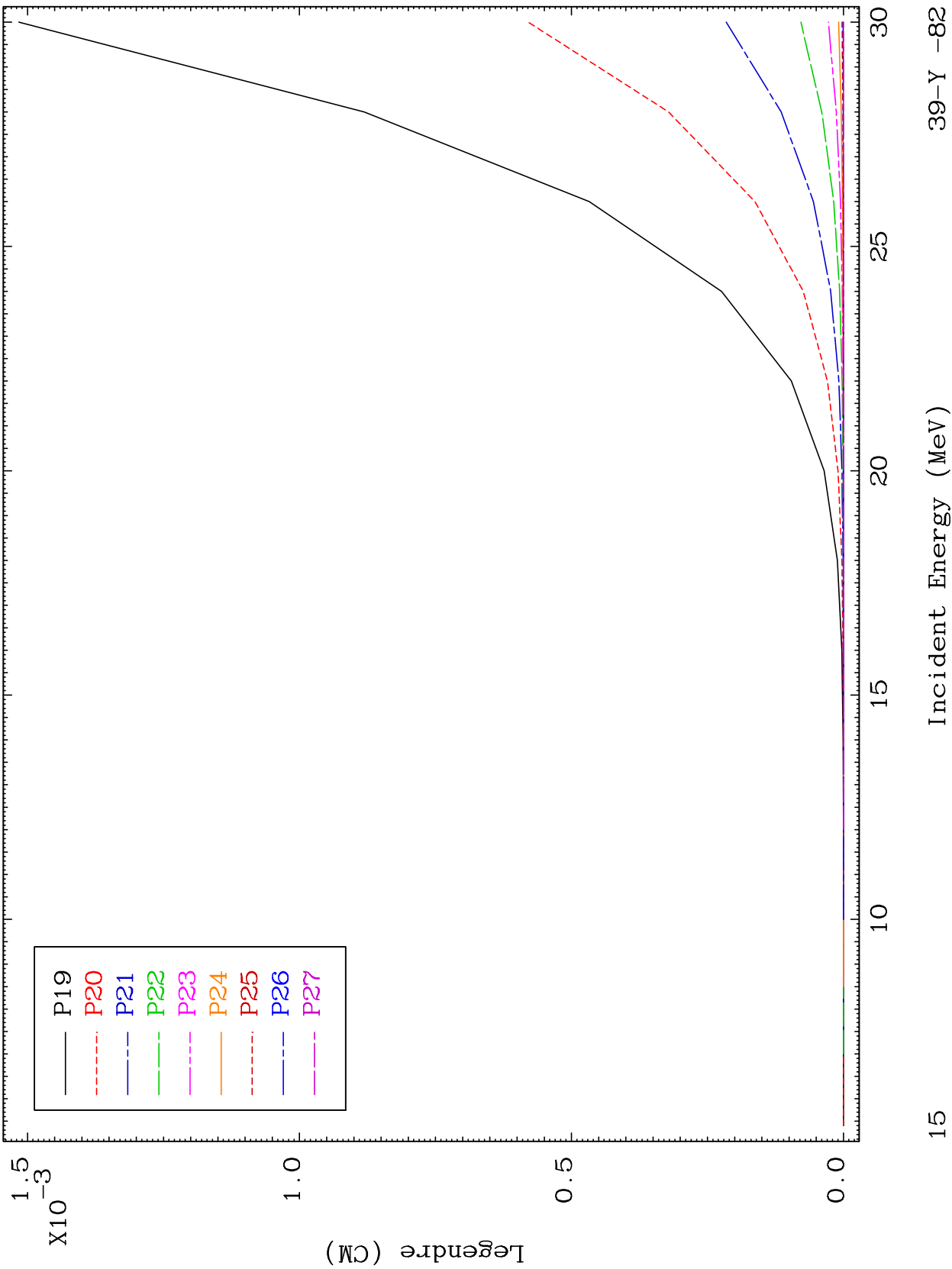
Incident Energy (MeV)

39-Y -82

MAT 3904

Elastic Legendre Coefficients

39-Y -82



15

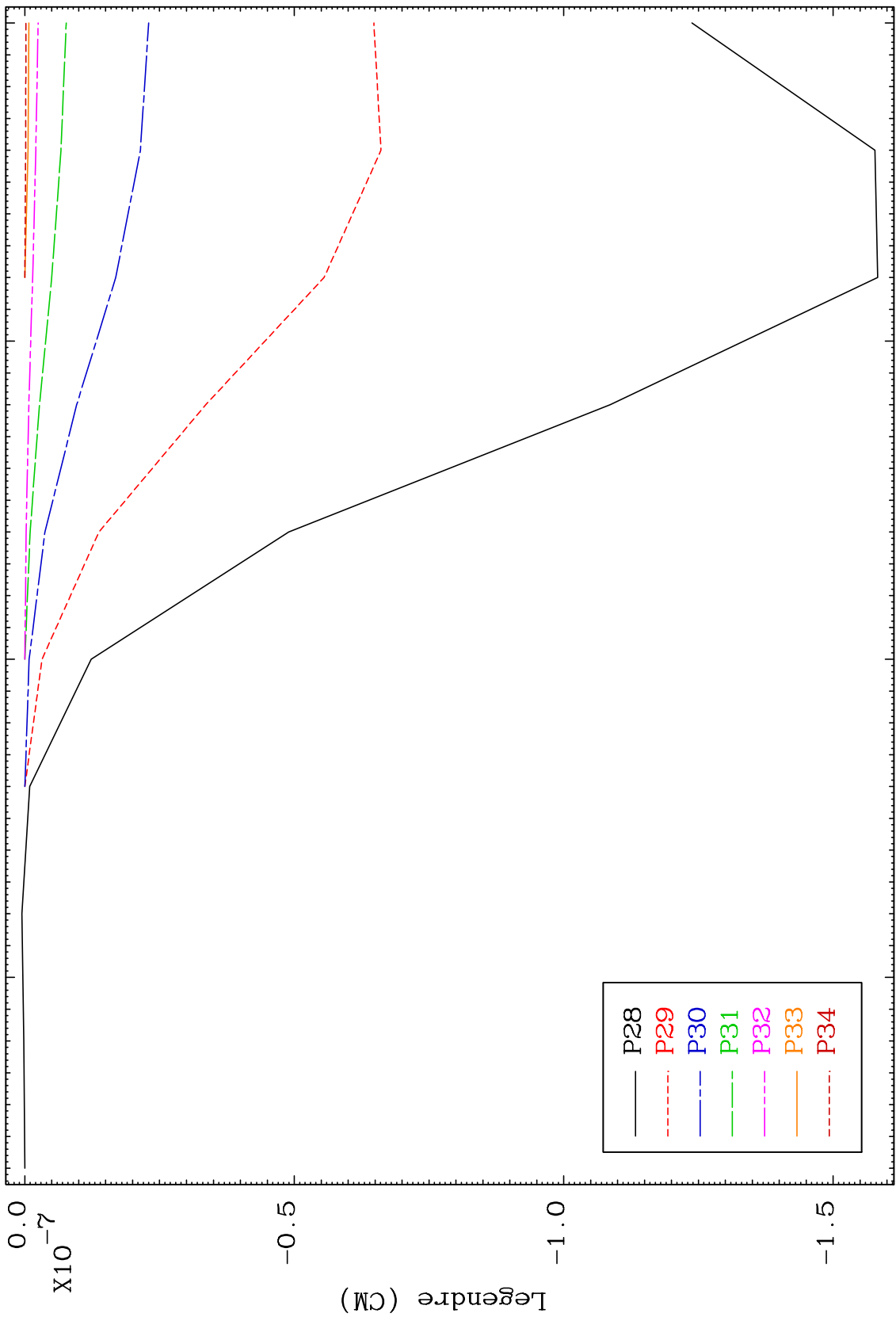
Incident Energy (MeV)

39-Y -82

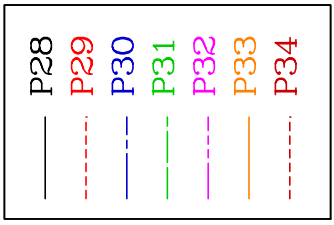
MAT 3904

39-Y -82

Elastic Legendre Coefficients



Legendre (CM)
X10⁻⁷



16

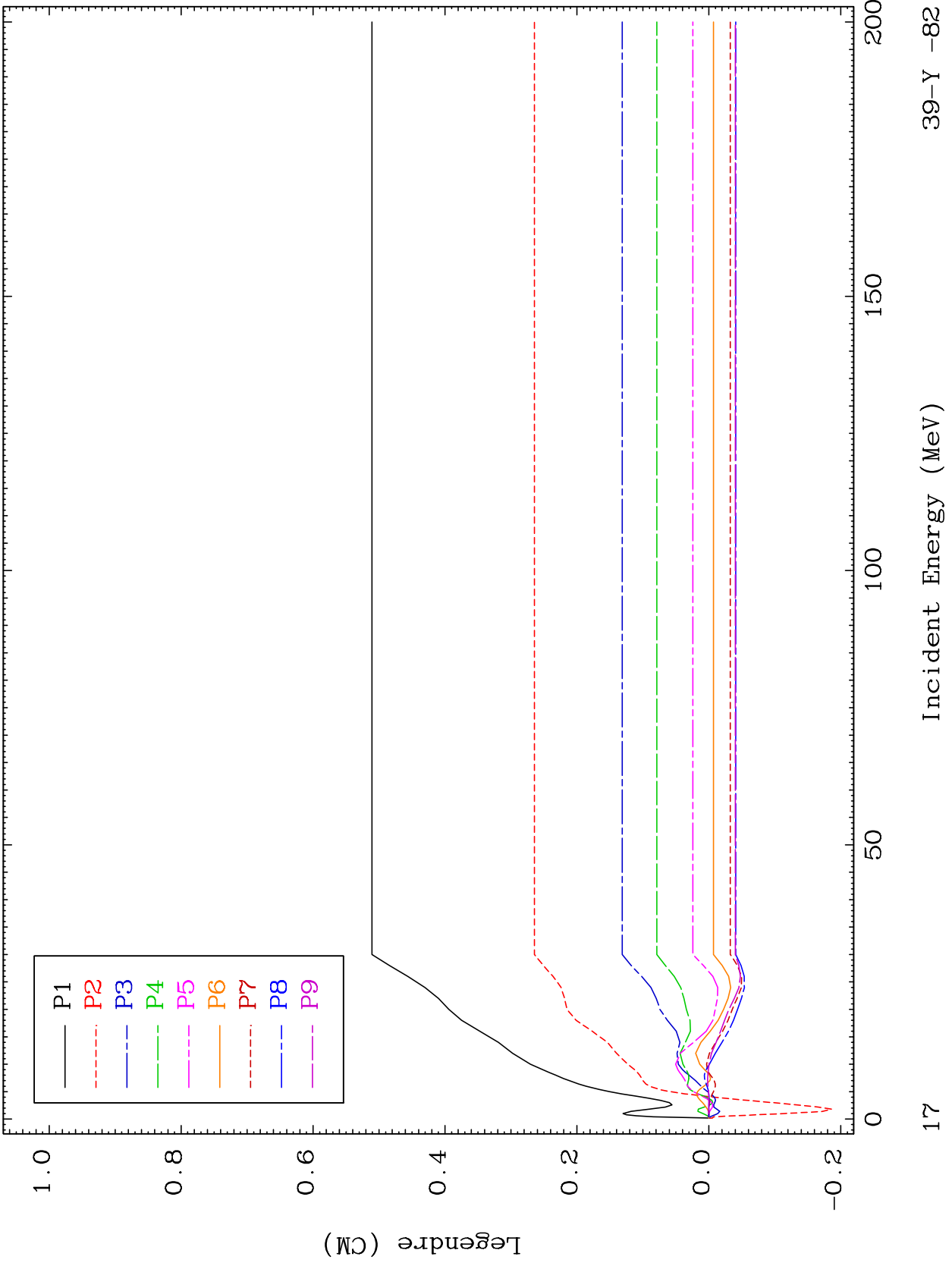
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



17

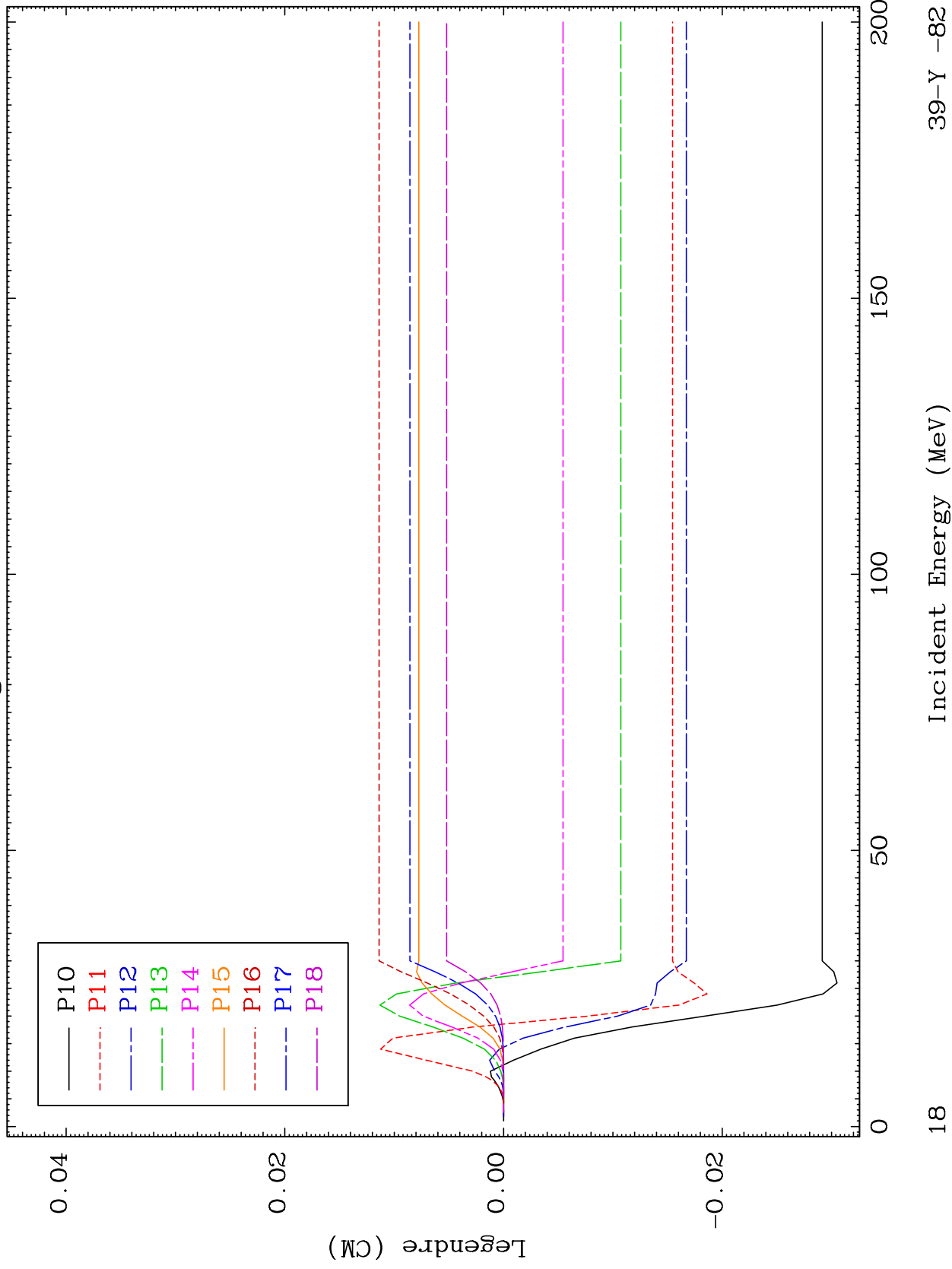
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



18

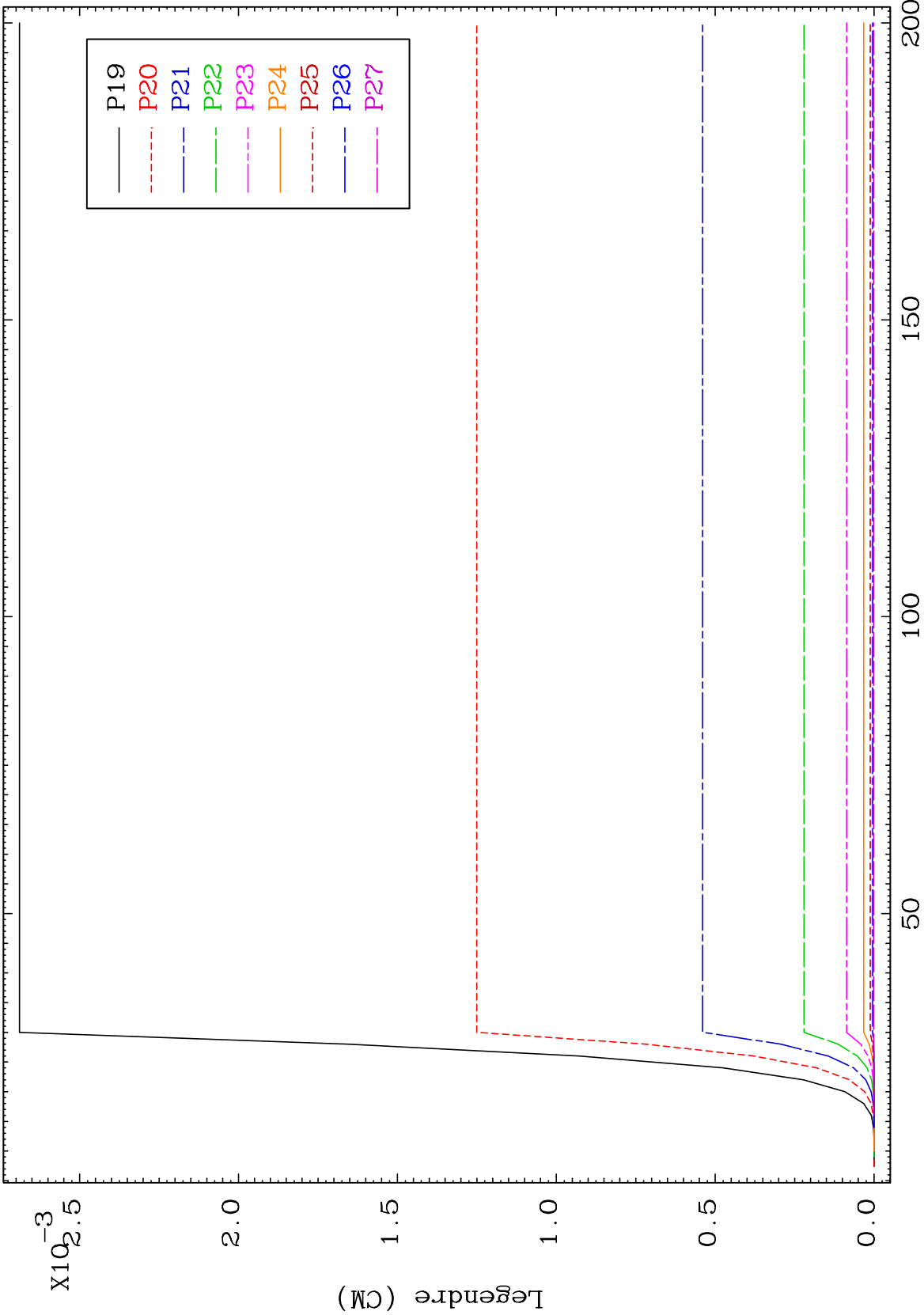
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



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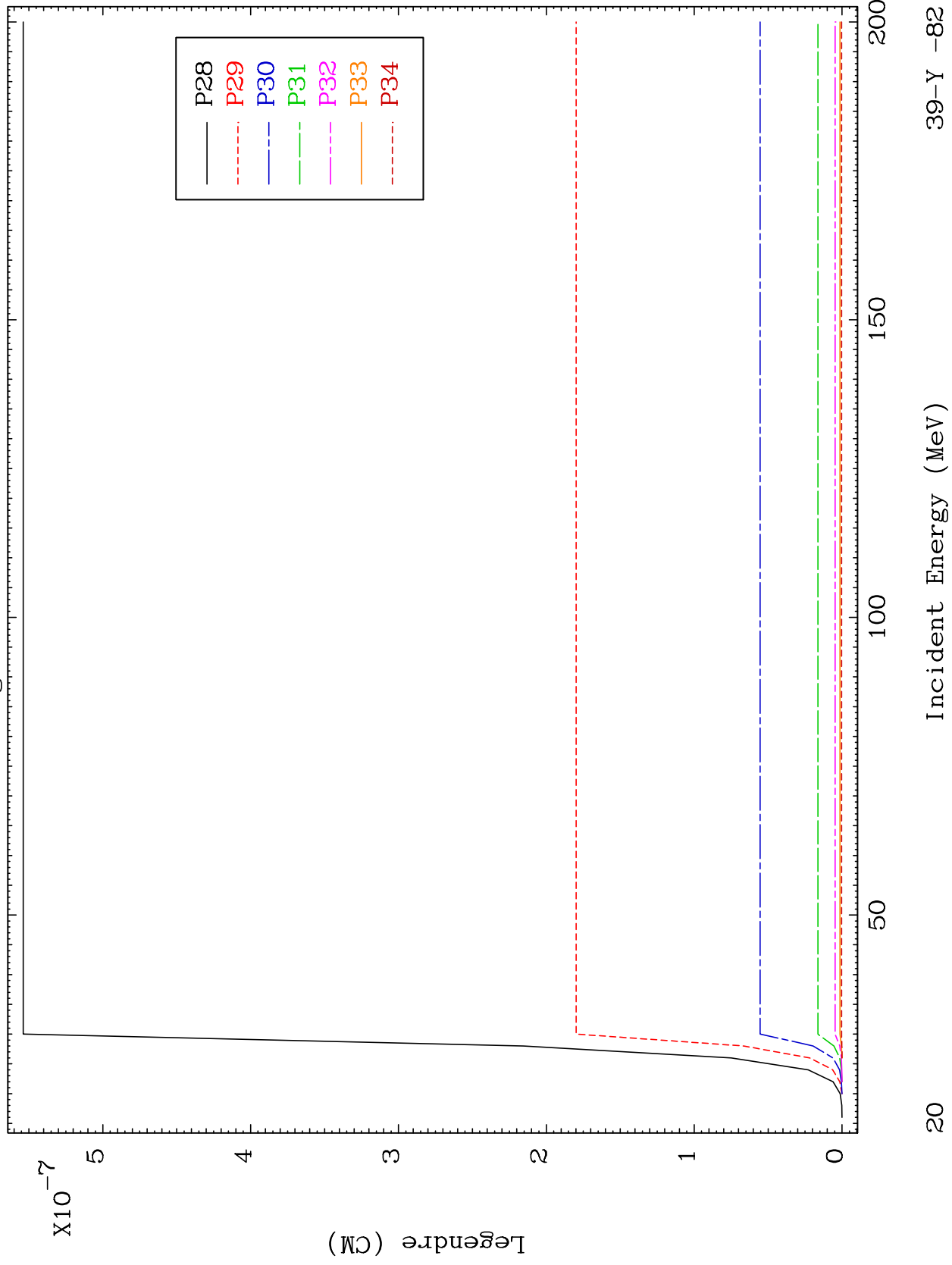
Incident Energy (MeV)

39-Y -82

MAT 3904

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

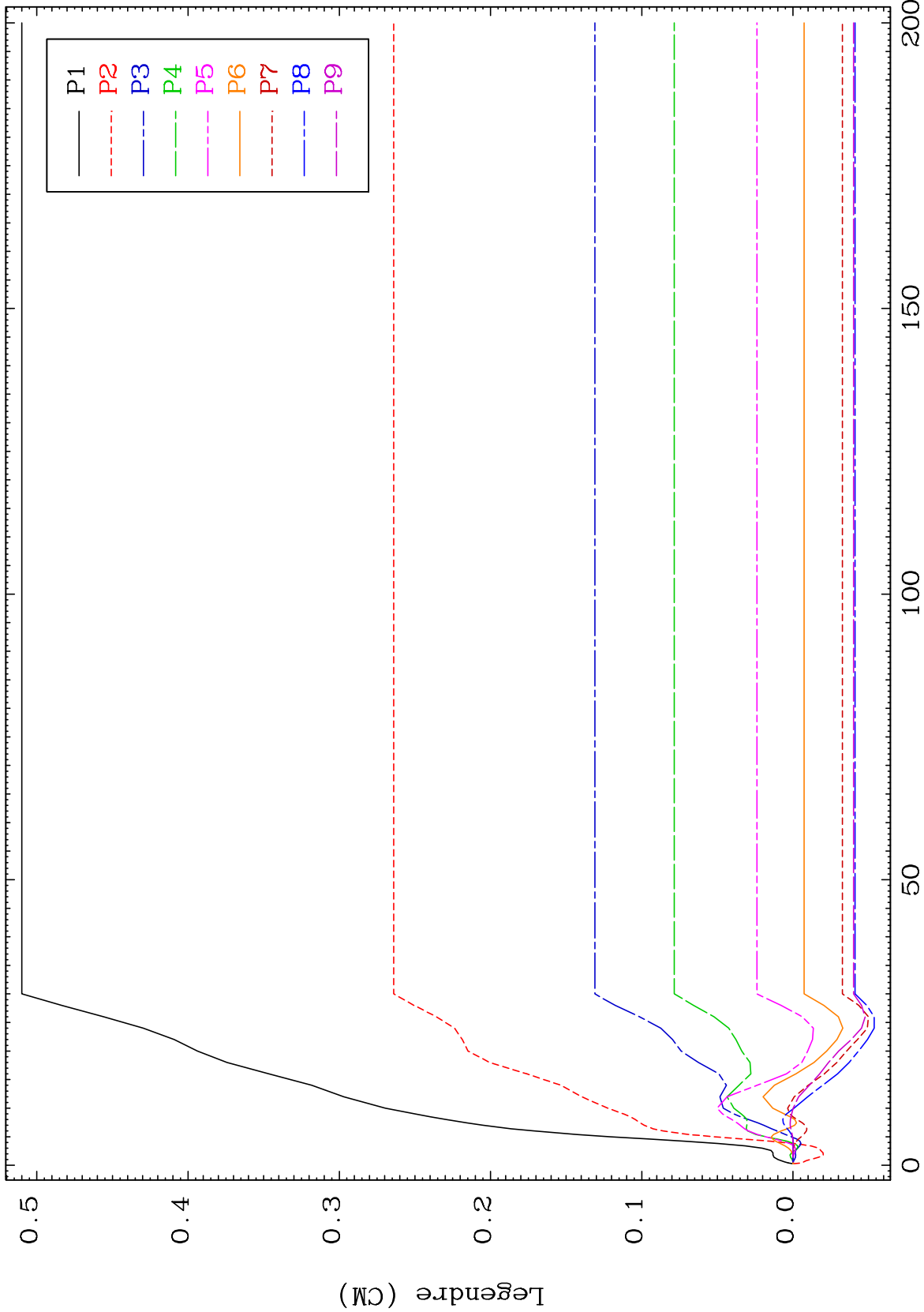
39-Y -82



MAT 3904

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

39-Y -82



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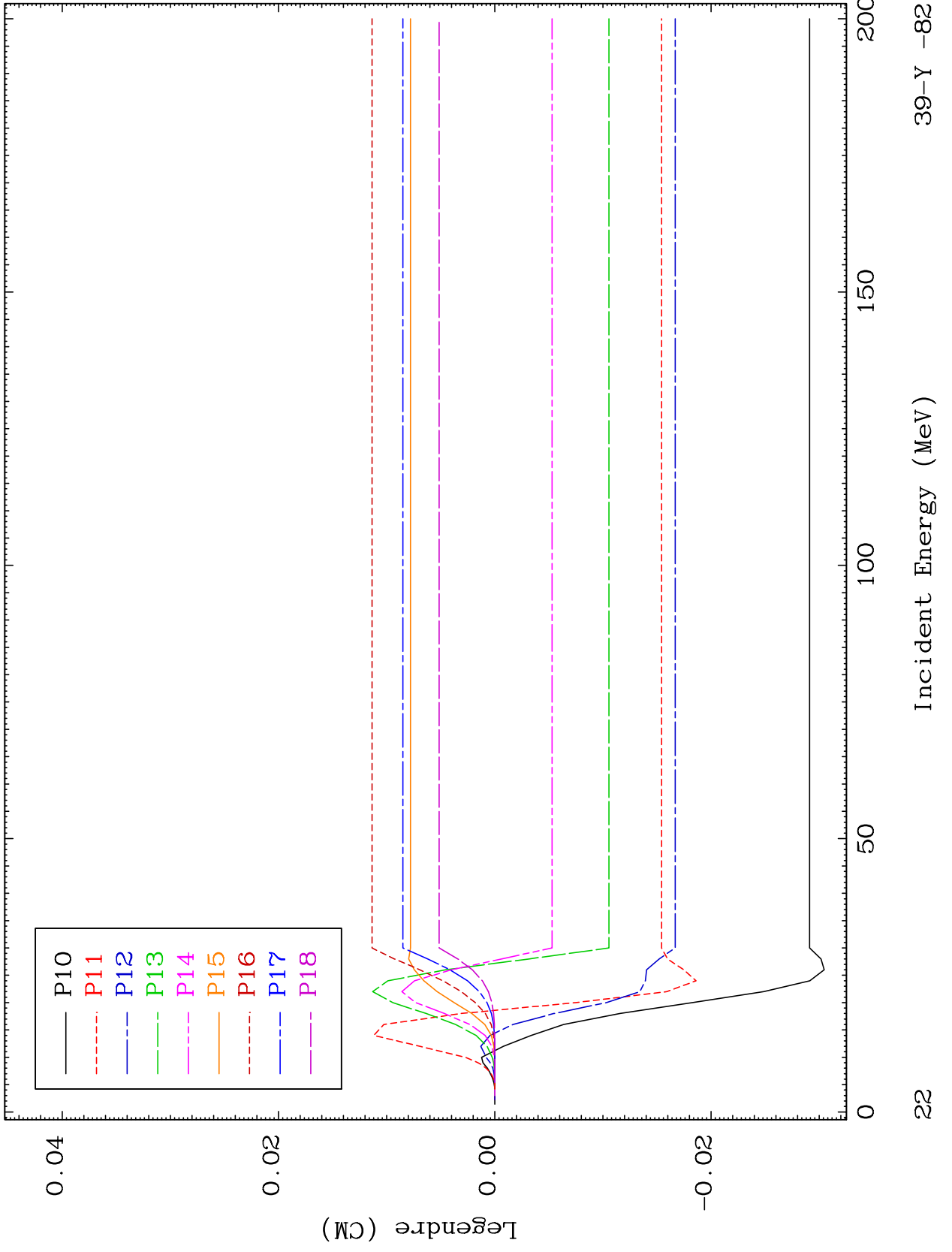
Incident Energy (MeV)

39-Y -82

MAT 3904

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

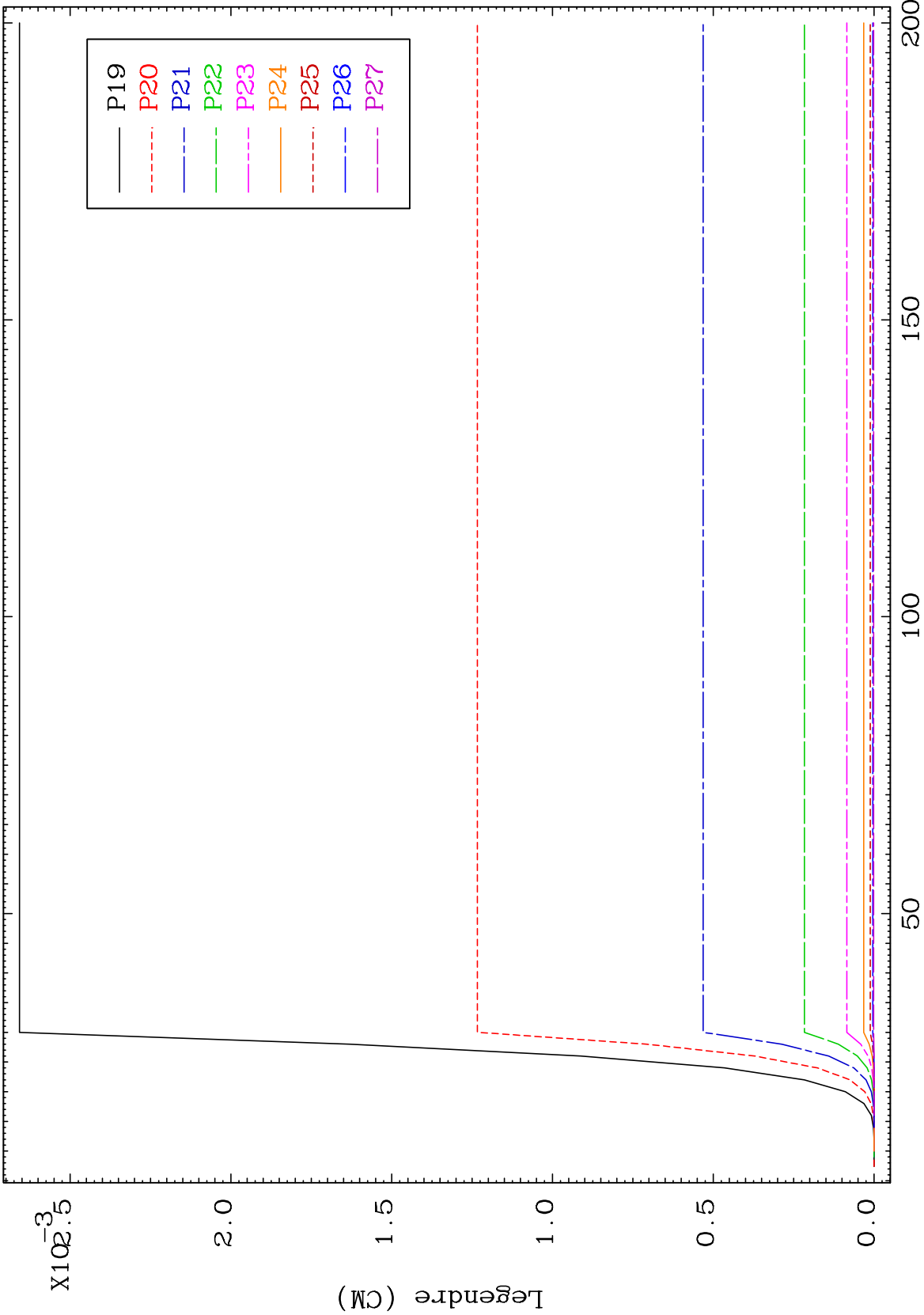
39-Y -82



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Incident Energy (MeV)

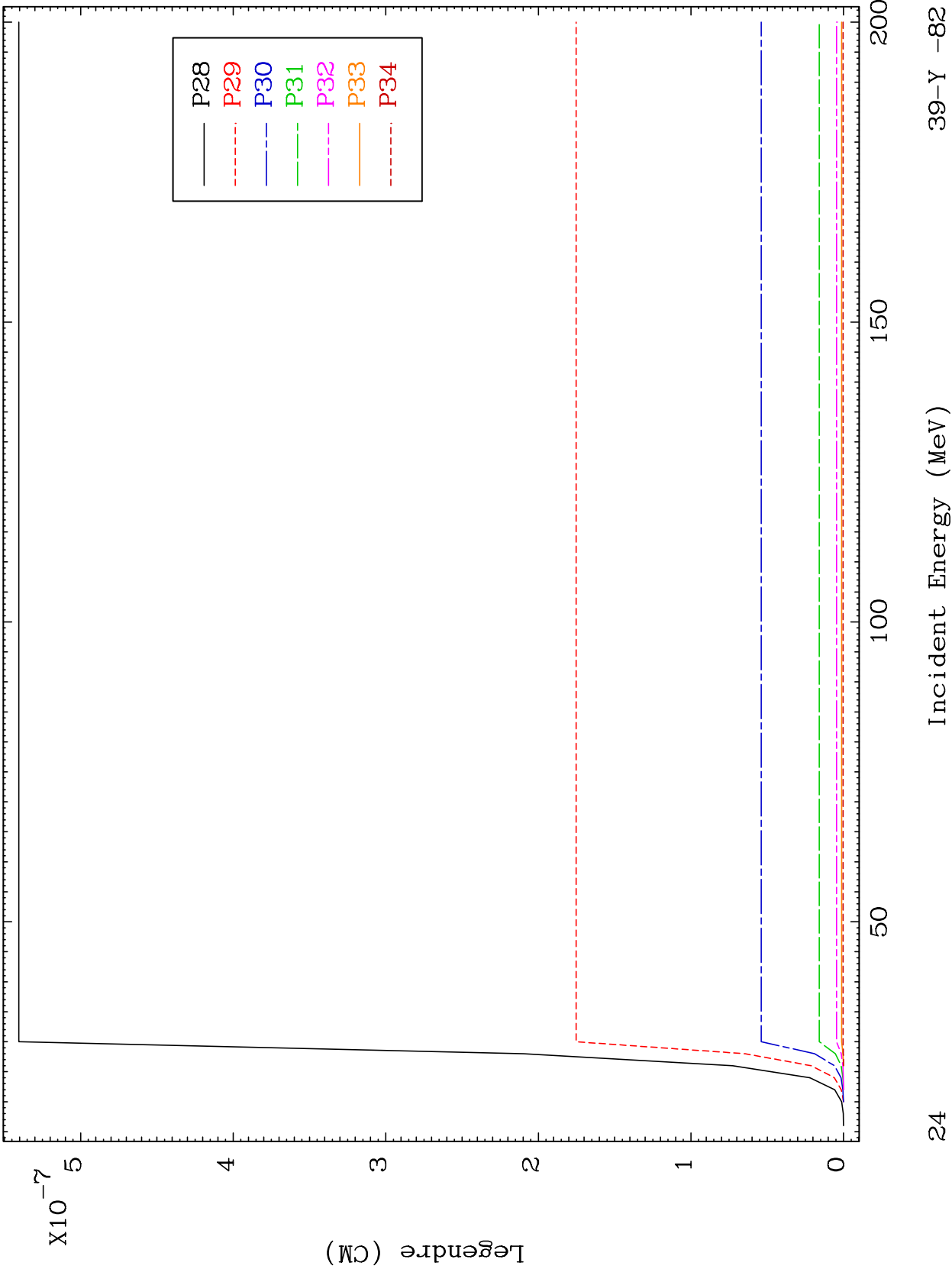
39-Y -82



MAT 3904

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

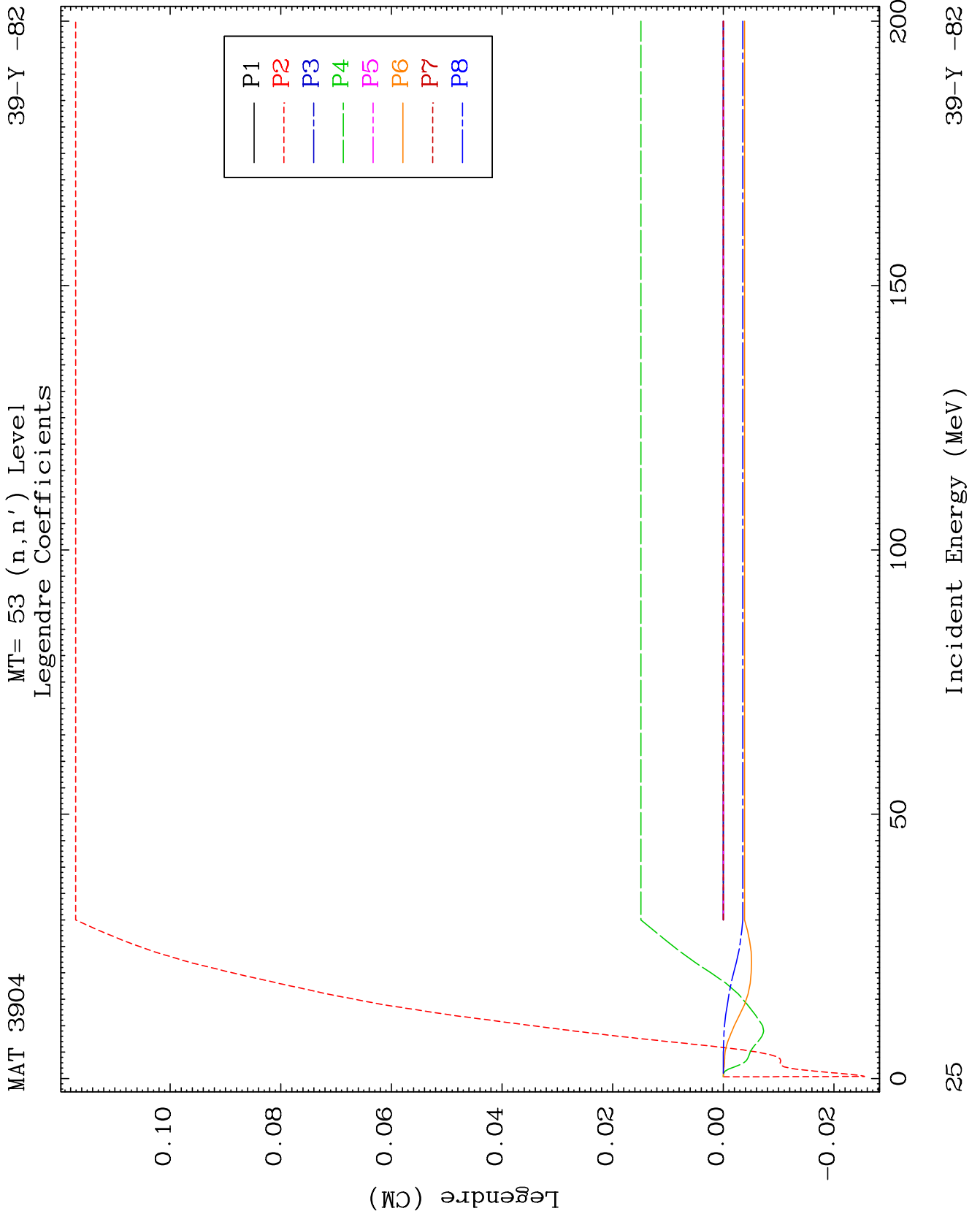
39-Y -82



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Incident Energy (MeV)

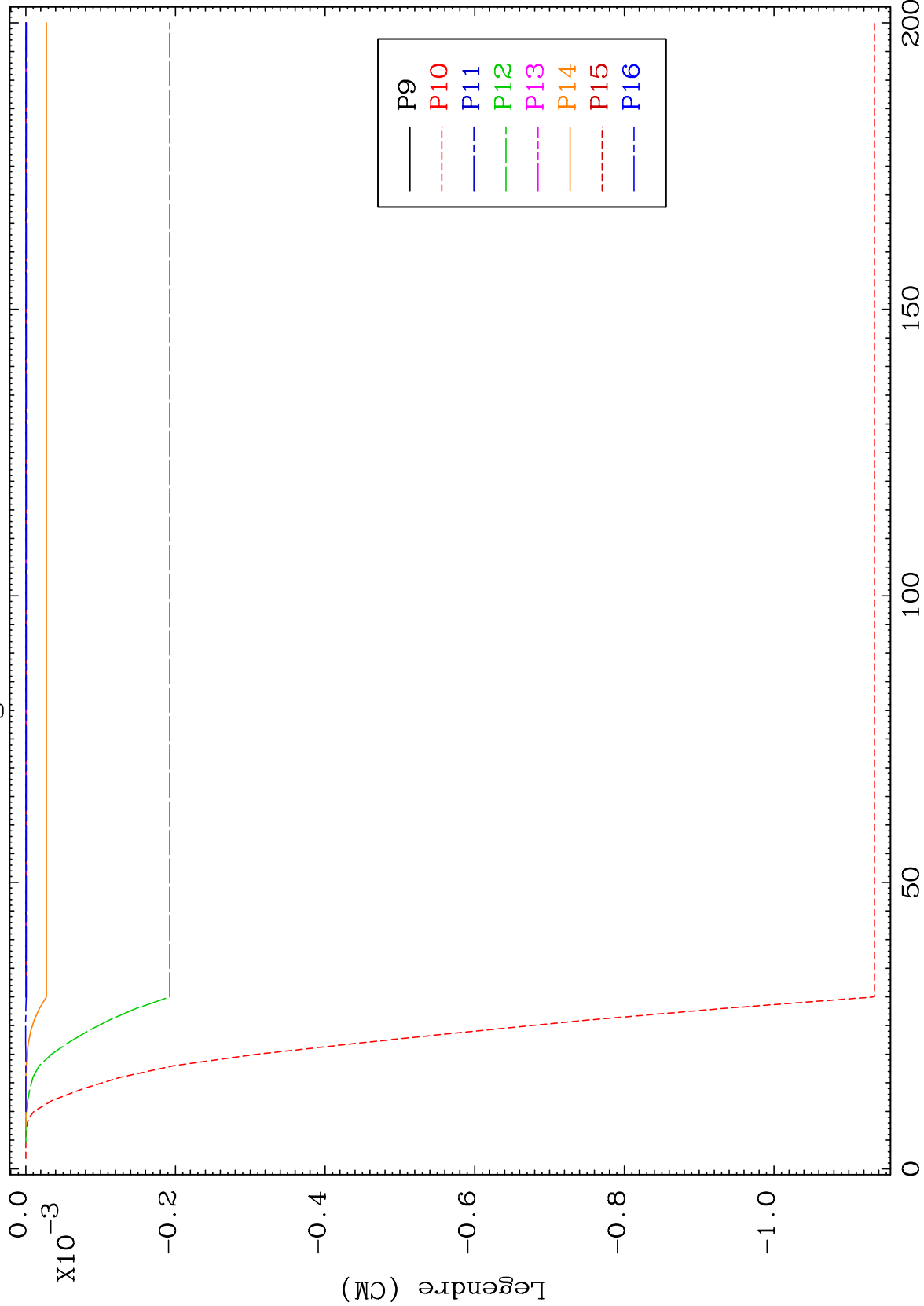
39-Y -82



MAT 3904

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

39-Y -82



26

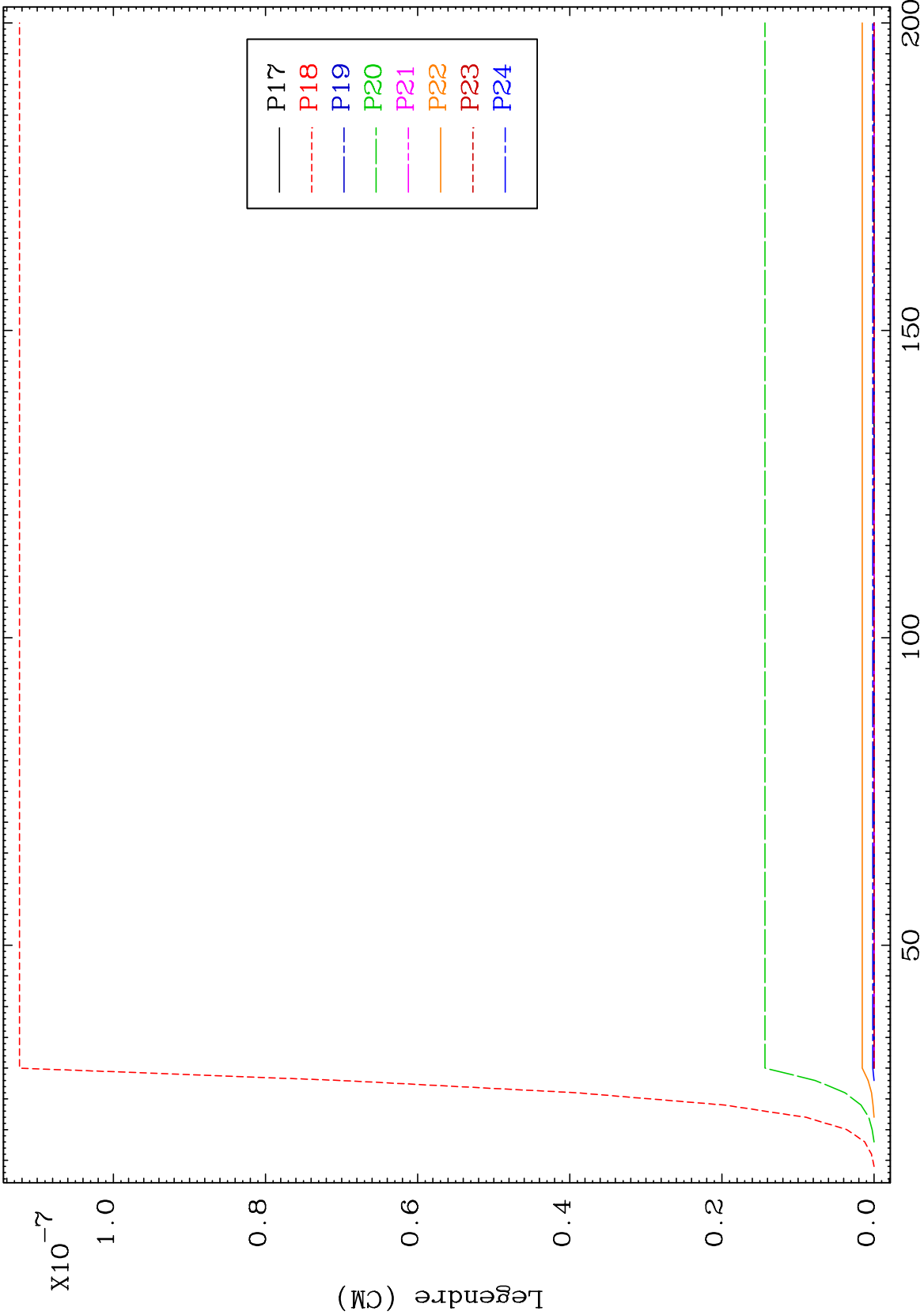
Incident Energy (MeV)

39-Y -82

MAT 3904

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

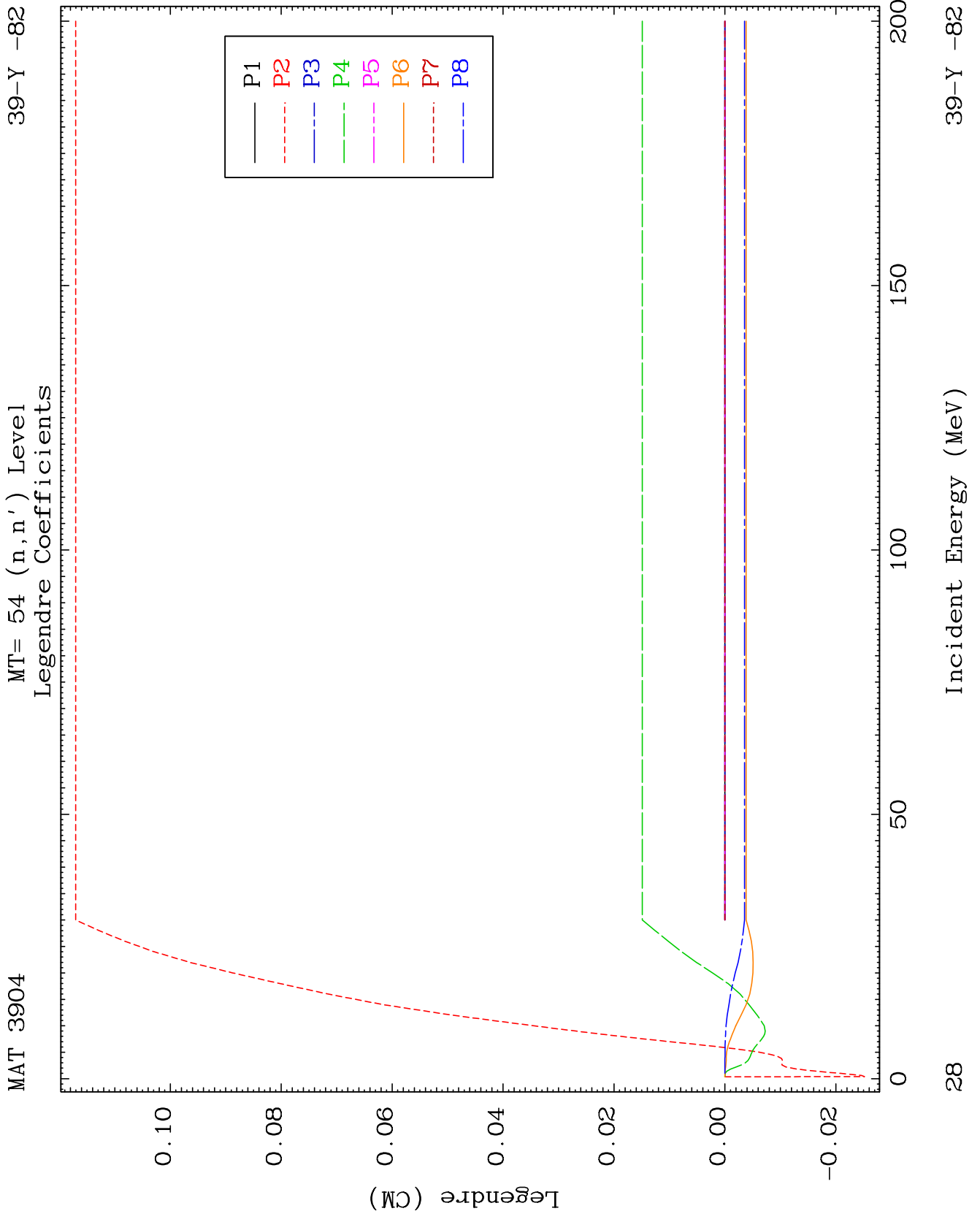
39-Y -82



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Incident Energy (MeV)

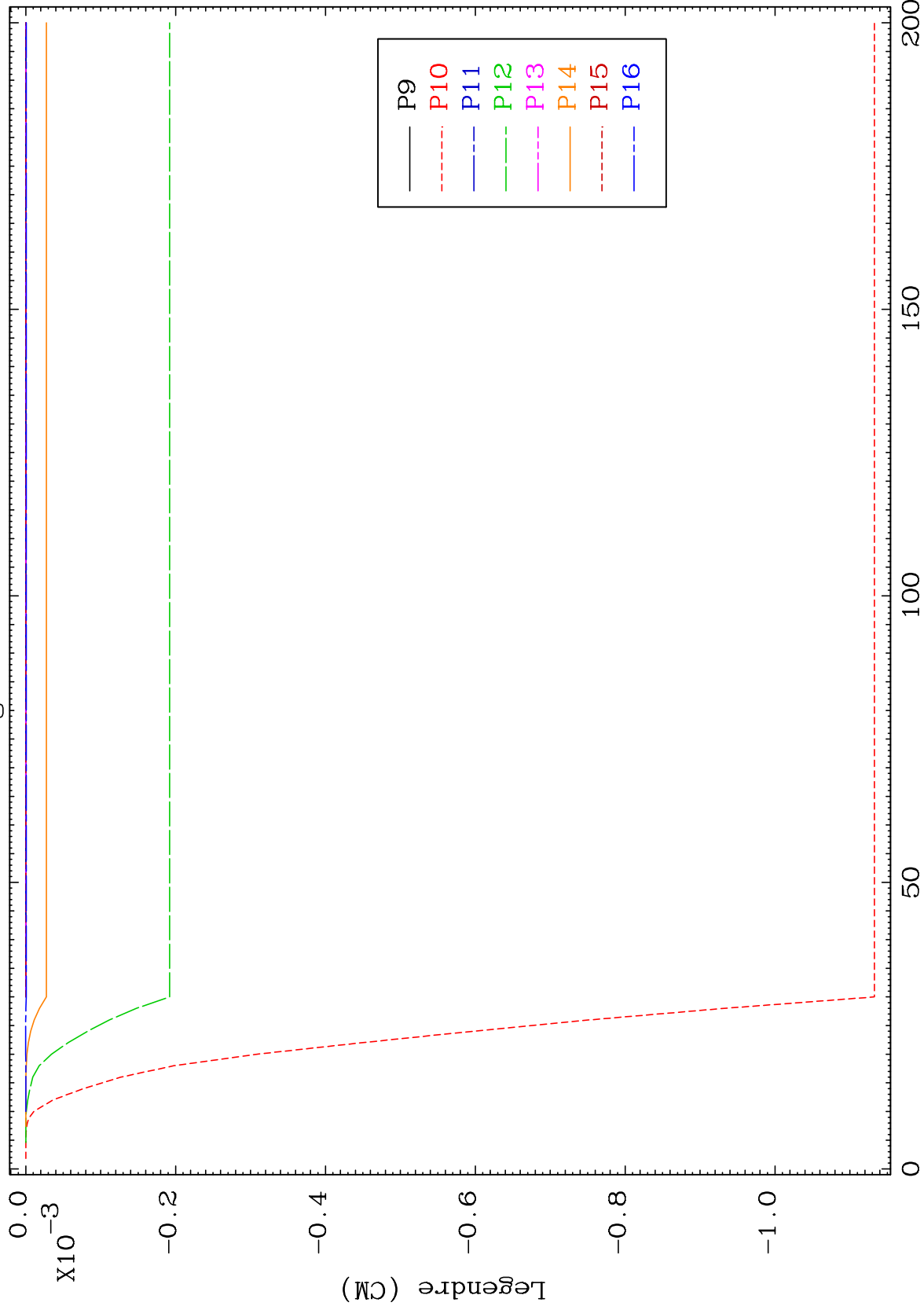
39-Y -82



MAT 3904

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

39-Y -82



29

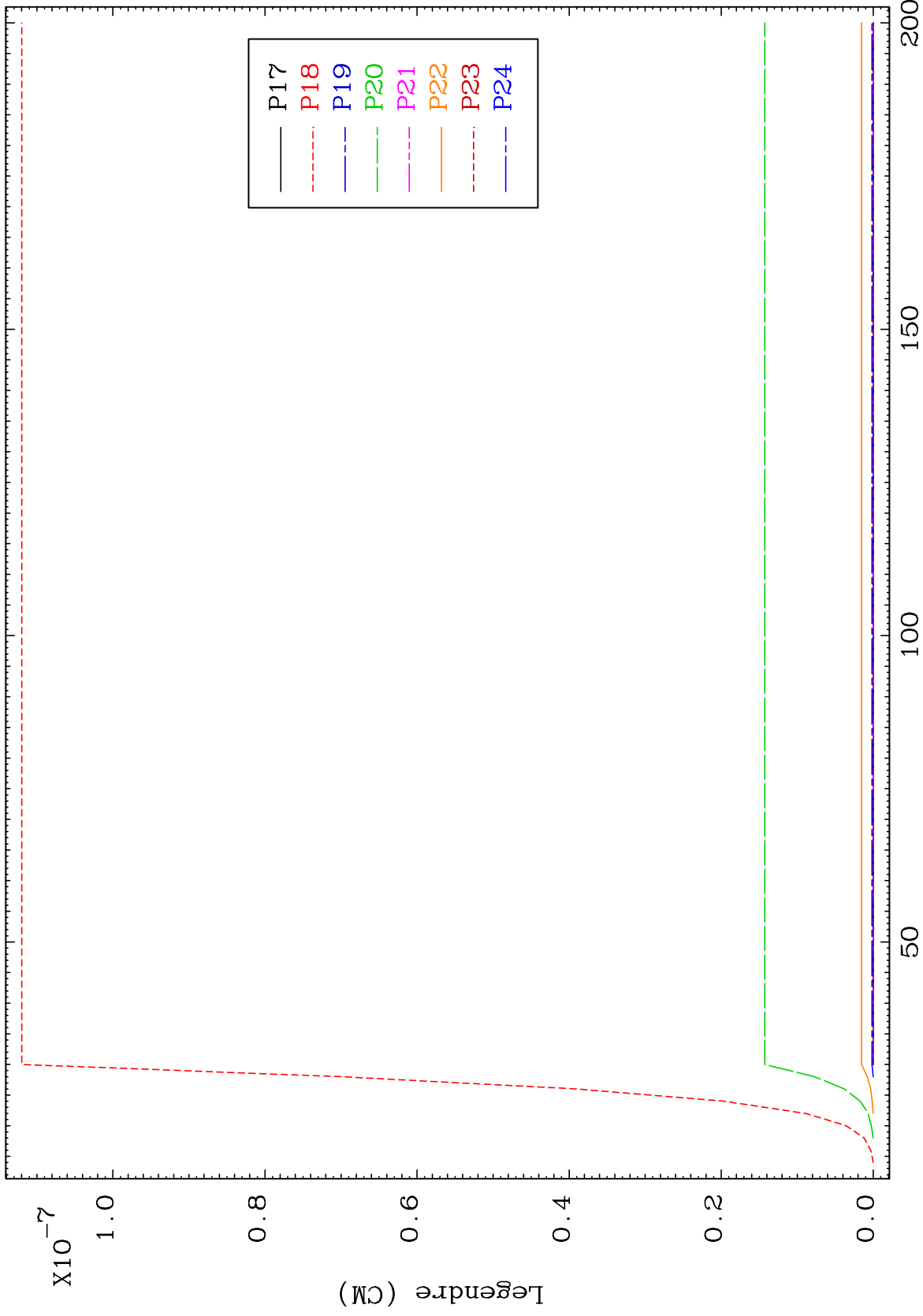
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



30

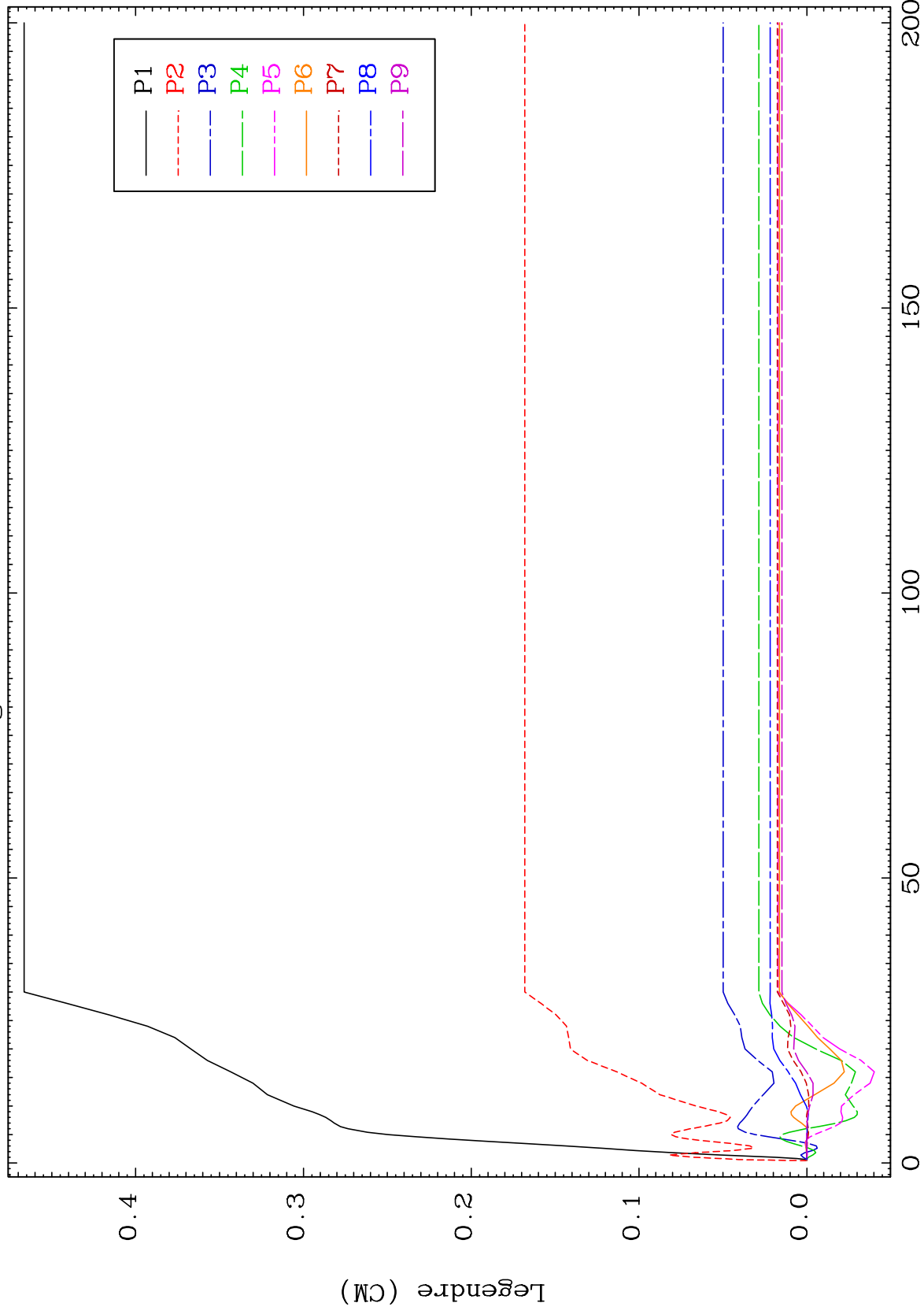
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



31

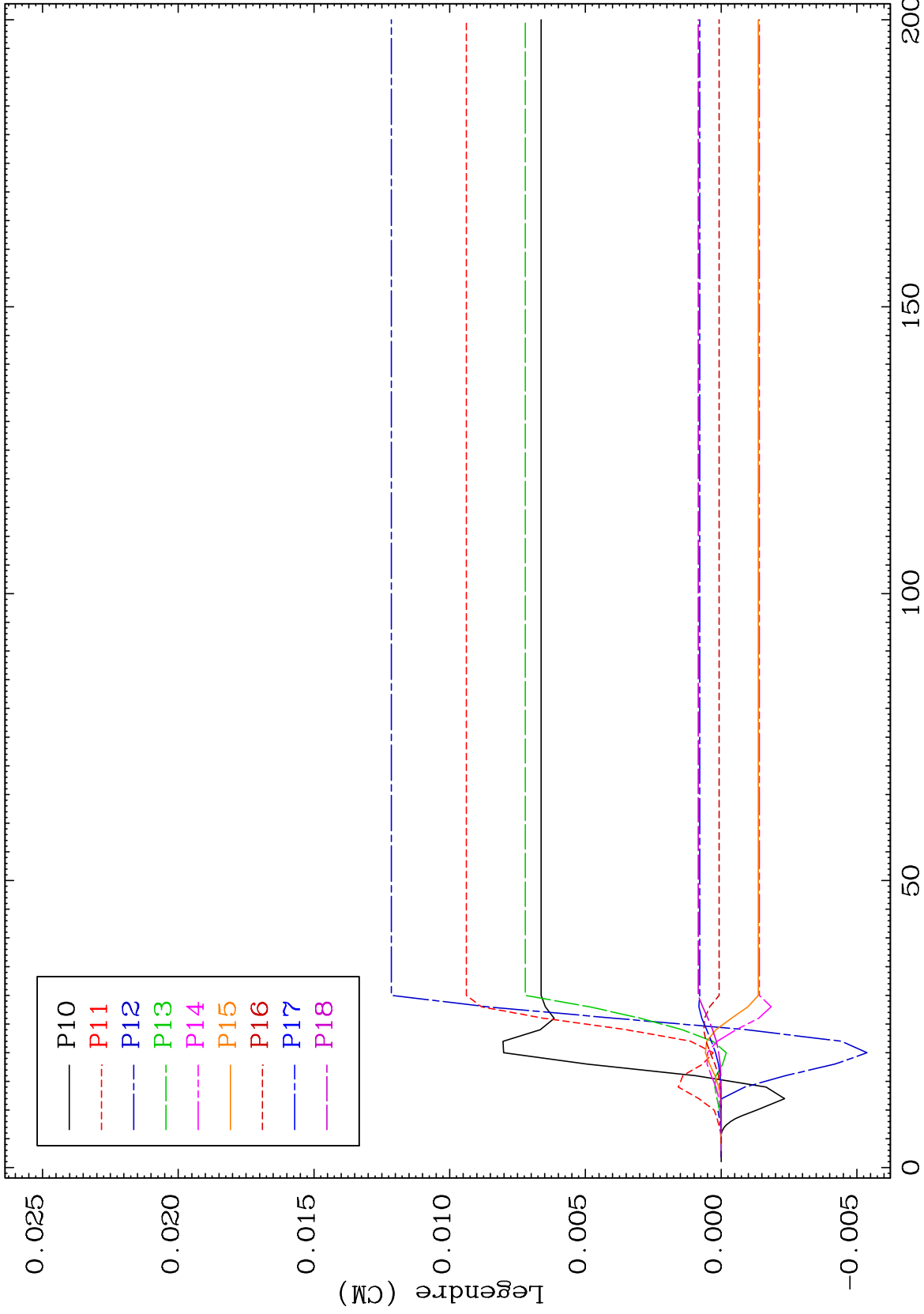
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



32

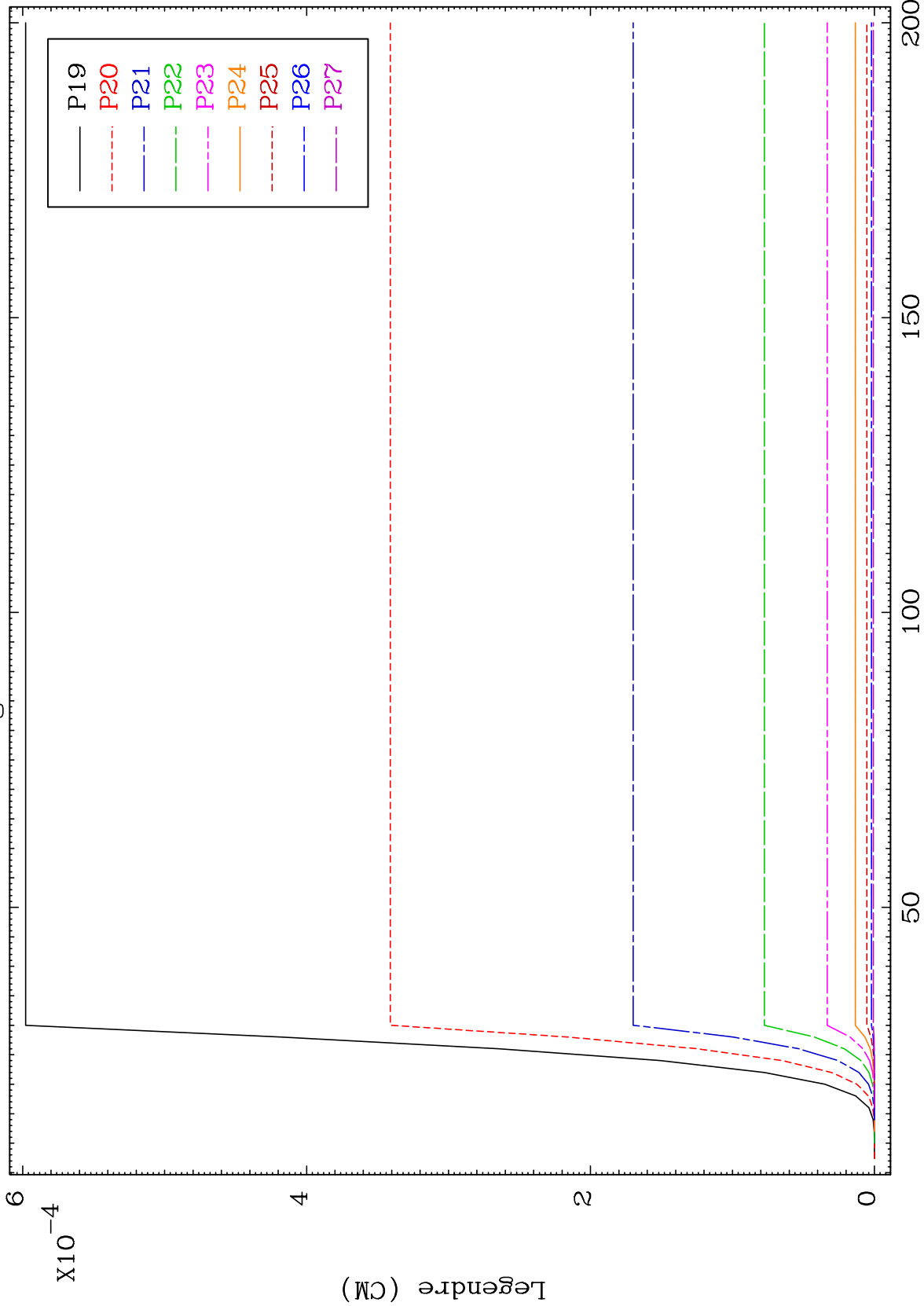
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



33

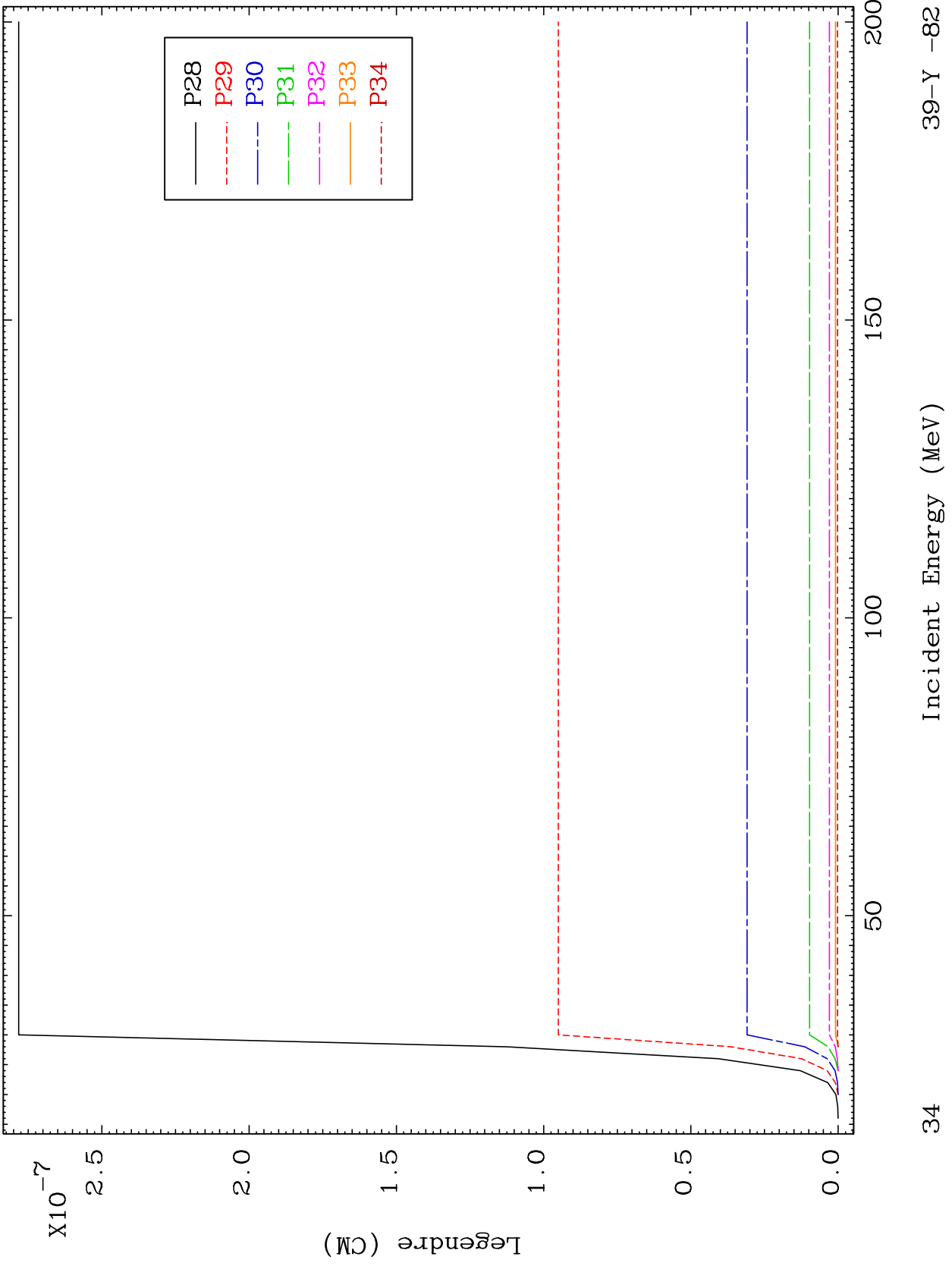
Incident Energy (MeV)

39-Y -82

MAT 3904

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

39-Y -82



34

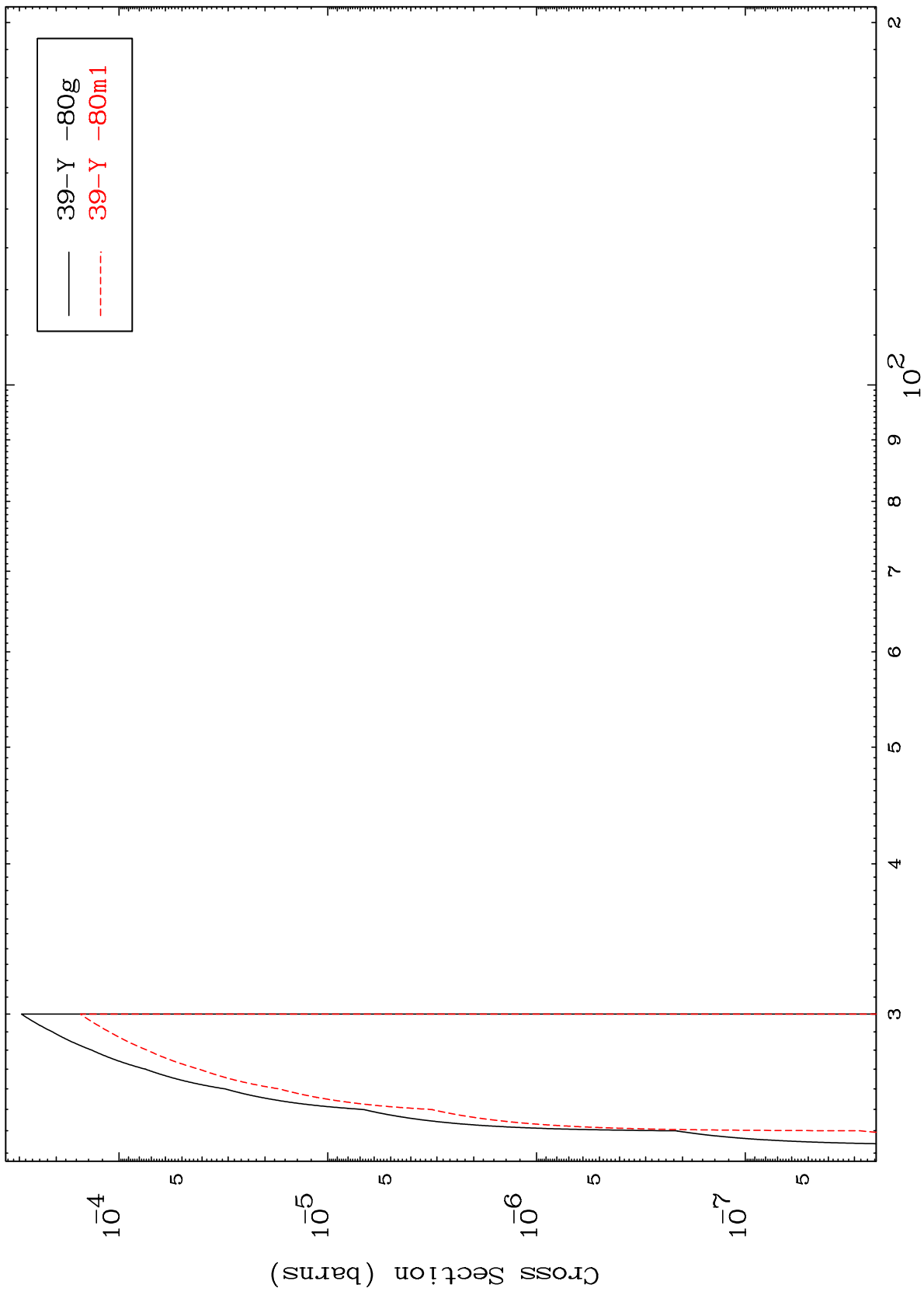
Incident Energy (MeV)

39-Y -82

MAT 3904

39-Y -82

(n,3n)
Radionuclide Production Cross Section



35

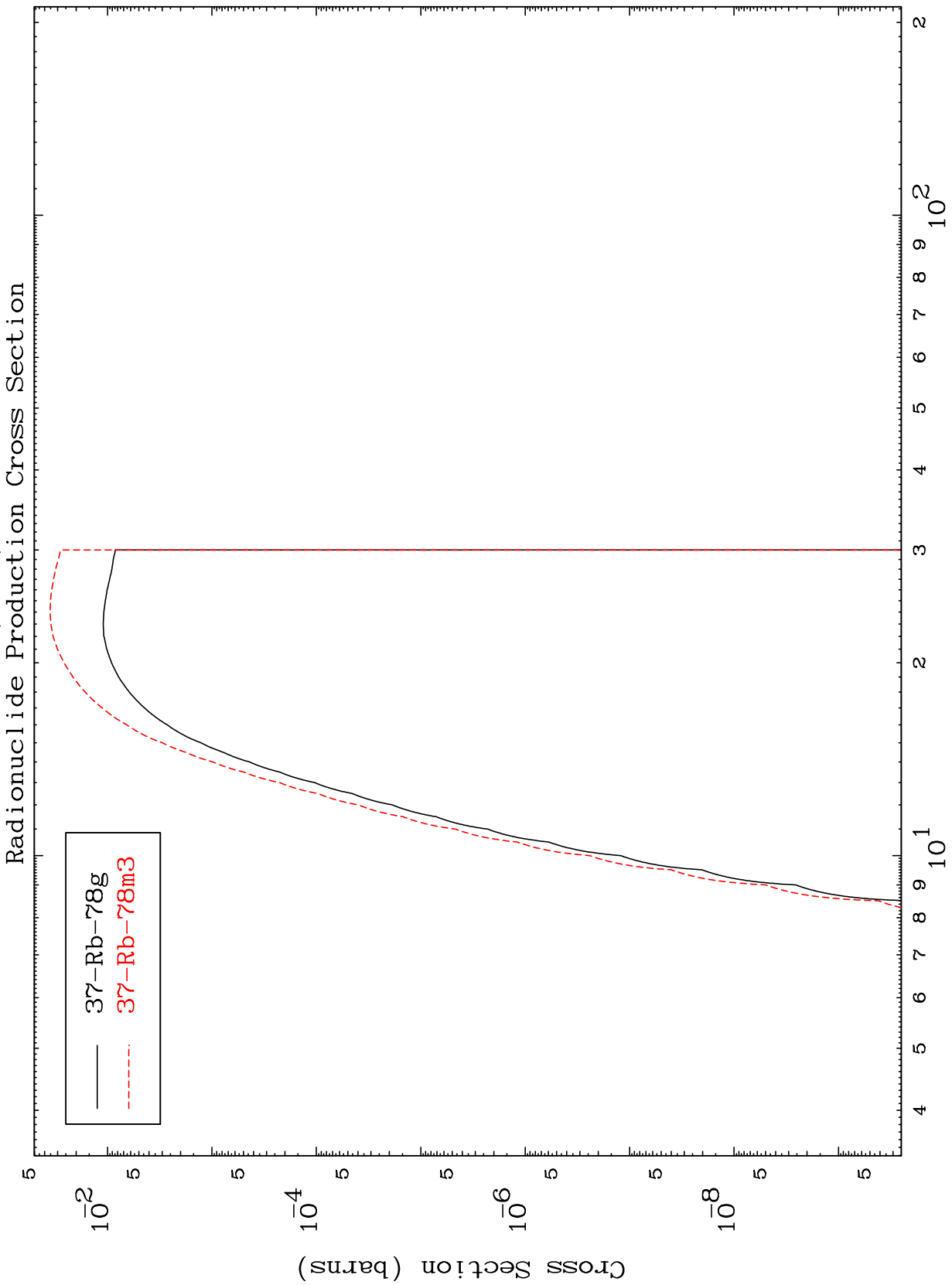
39-Y -82

Incident Energy (MeV)

MAT 3904

(n,n') α

39-Y -82



36

Incident Energy (MeV)

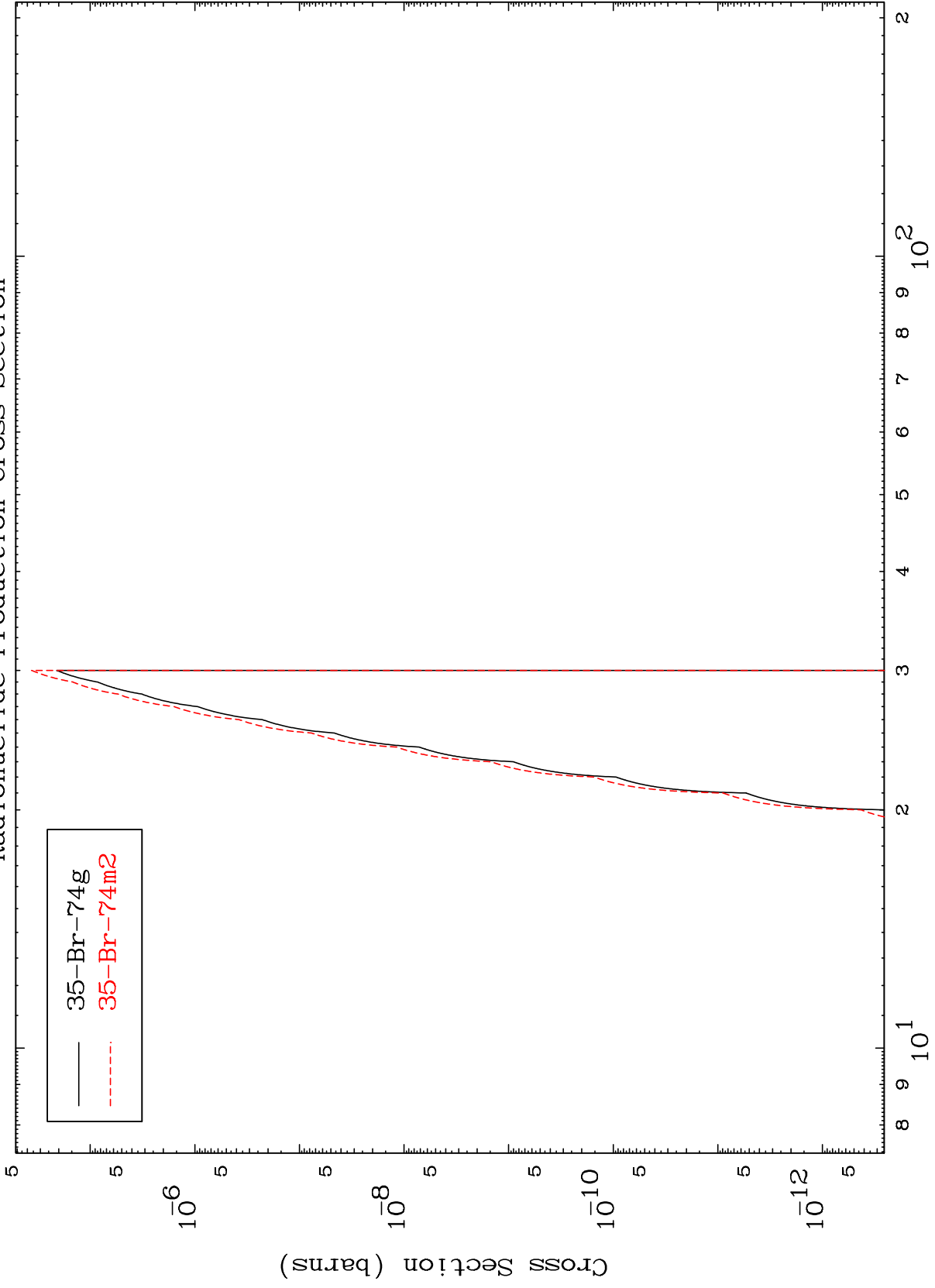
39-Y -82

MAT 3904

(n,n') 2α

39-Y -82

Radionuclide Production Cross Section



— 35-Br-74g
- - - 35-Br-74m2

37

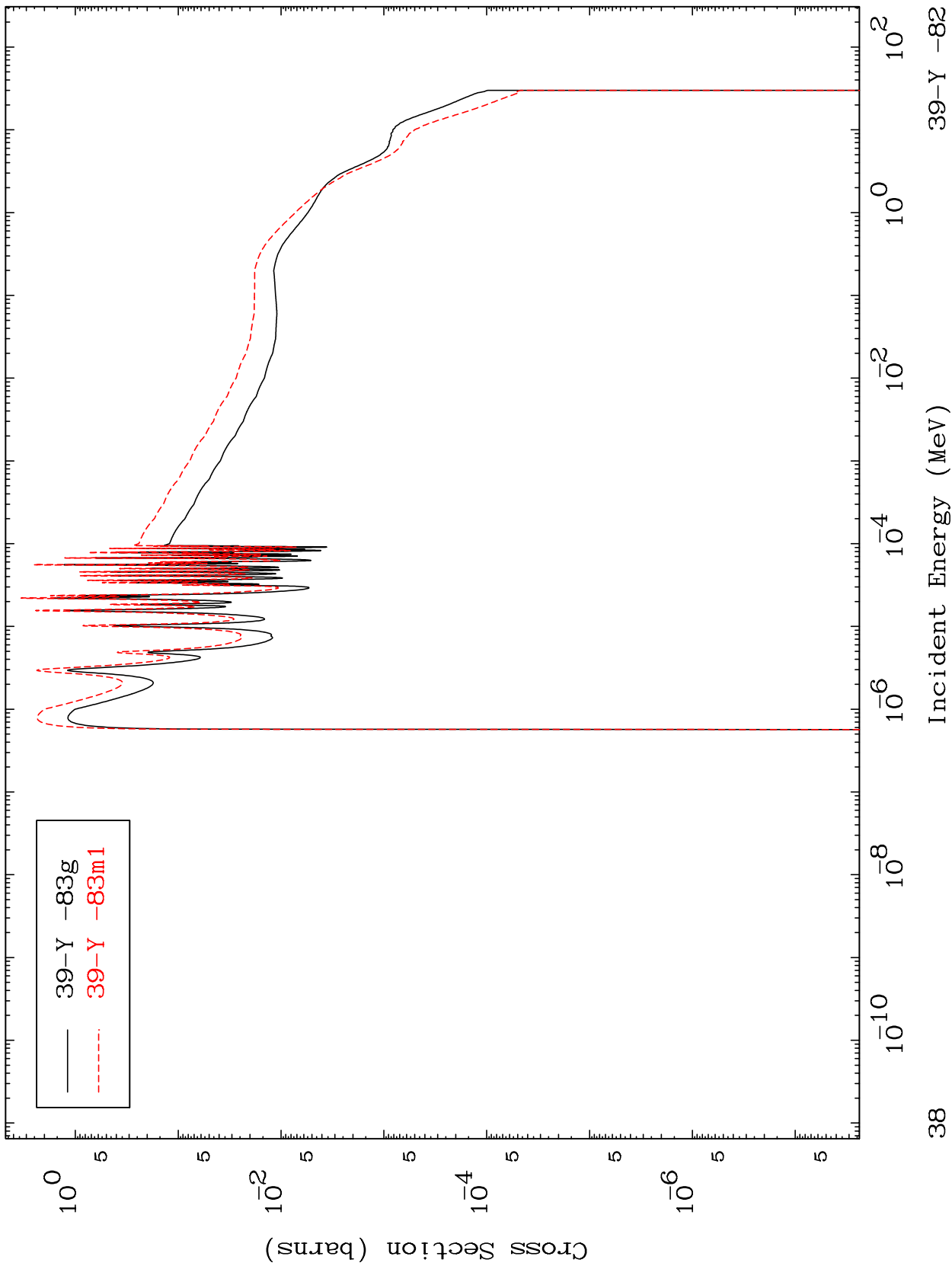
Incident Energy (MeV)

39-Y -82

MAT 3904

39-Y -82

(n,γ)
Radionuclide Production Cross Section



38

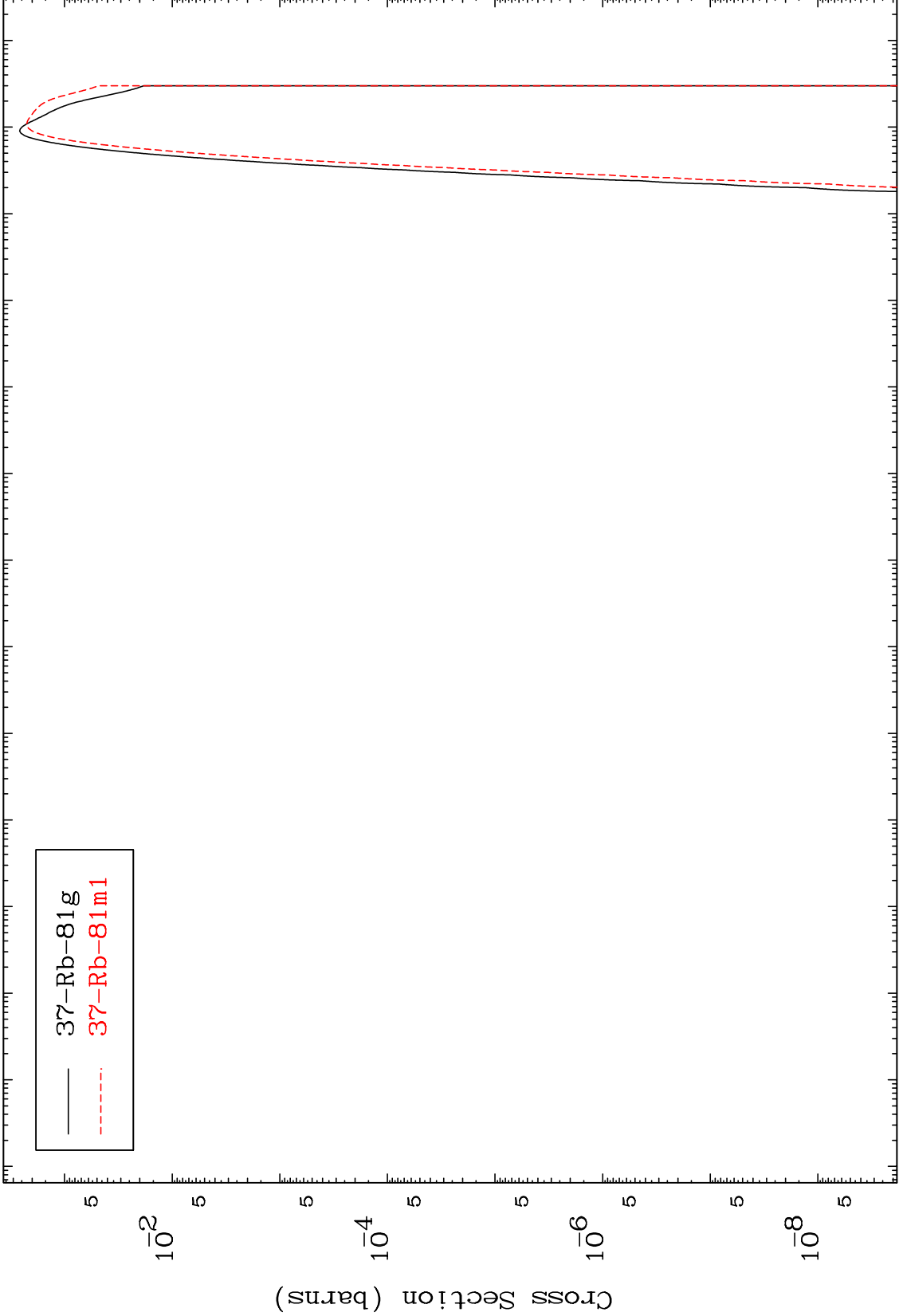
39-Y -82

MAT 3904

(n,2p)

39-Y -82

Radionuclide Production Cross Section



10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

Incident Energy (MeV)

39-Y -82

39