

Program EVALPLOT
(Version 2021-1)

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

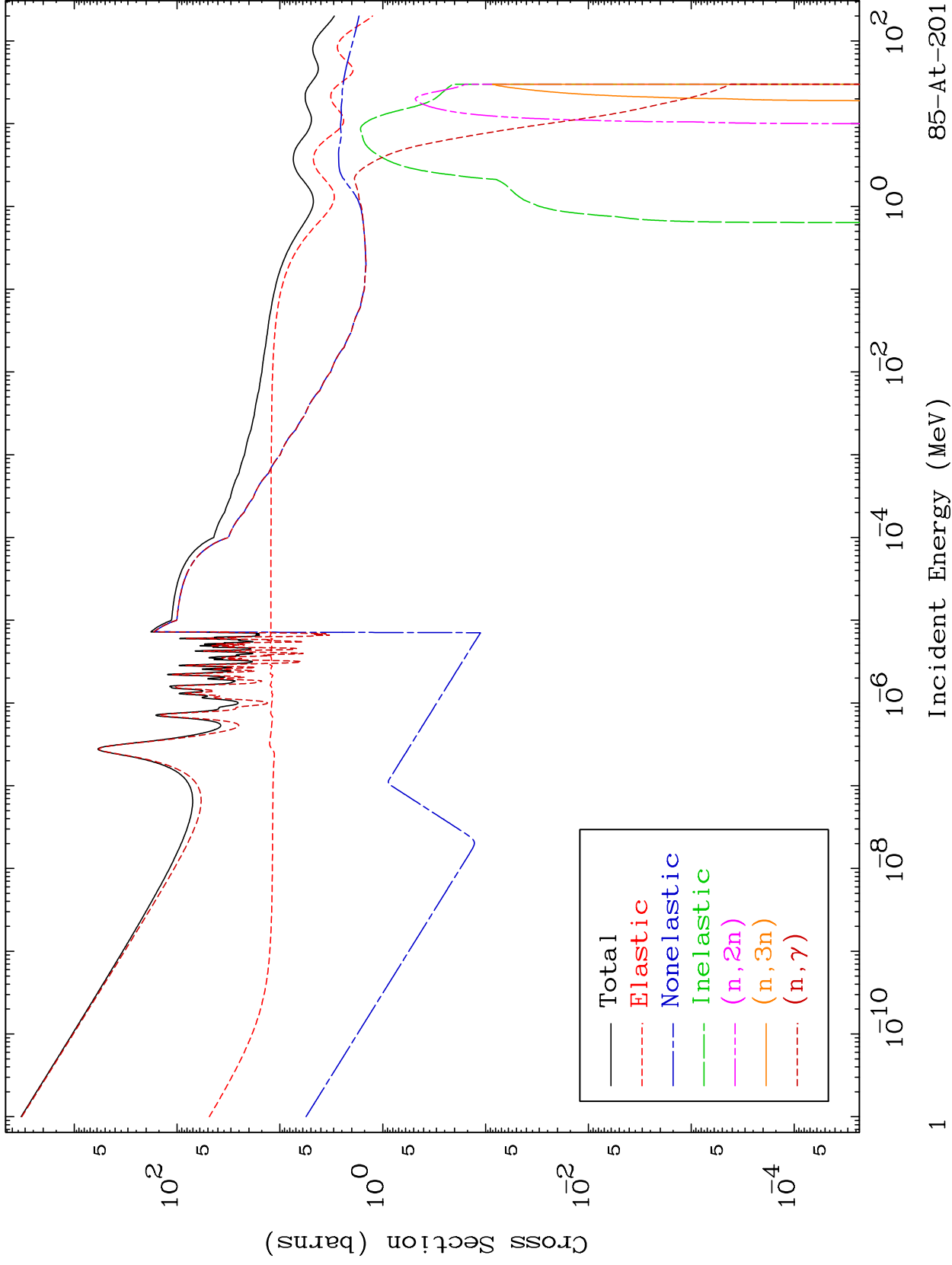
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Press Mouse Button to Start

MAT 8519

Neutron Major
293 Kelvin Cross Sections

85-At-201



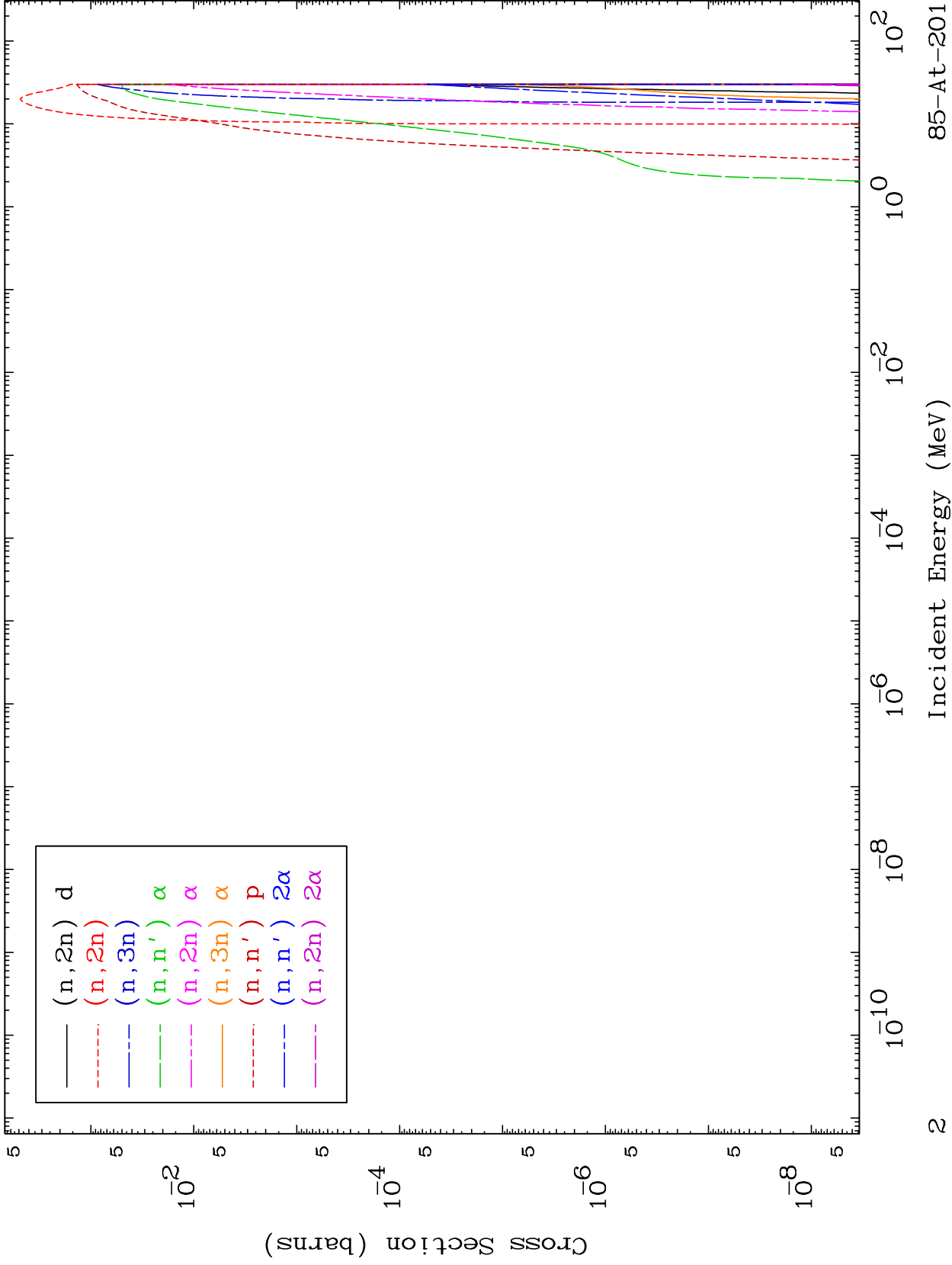
1

85-At-201

MAT 8519

Neutron Absorption
293 Kelvin Cross Sections

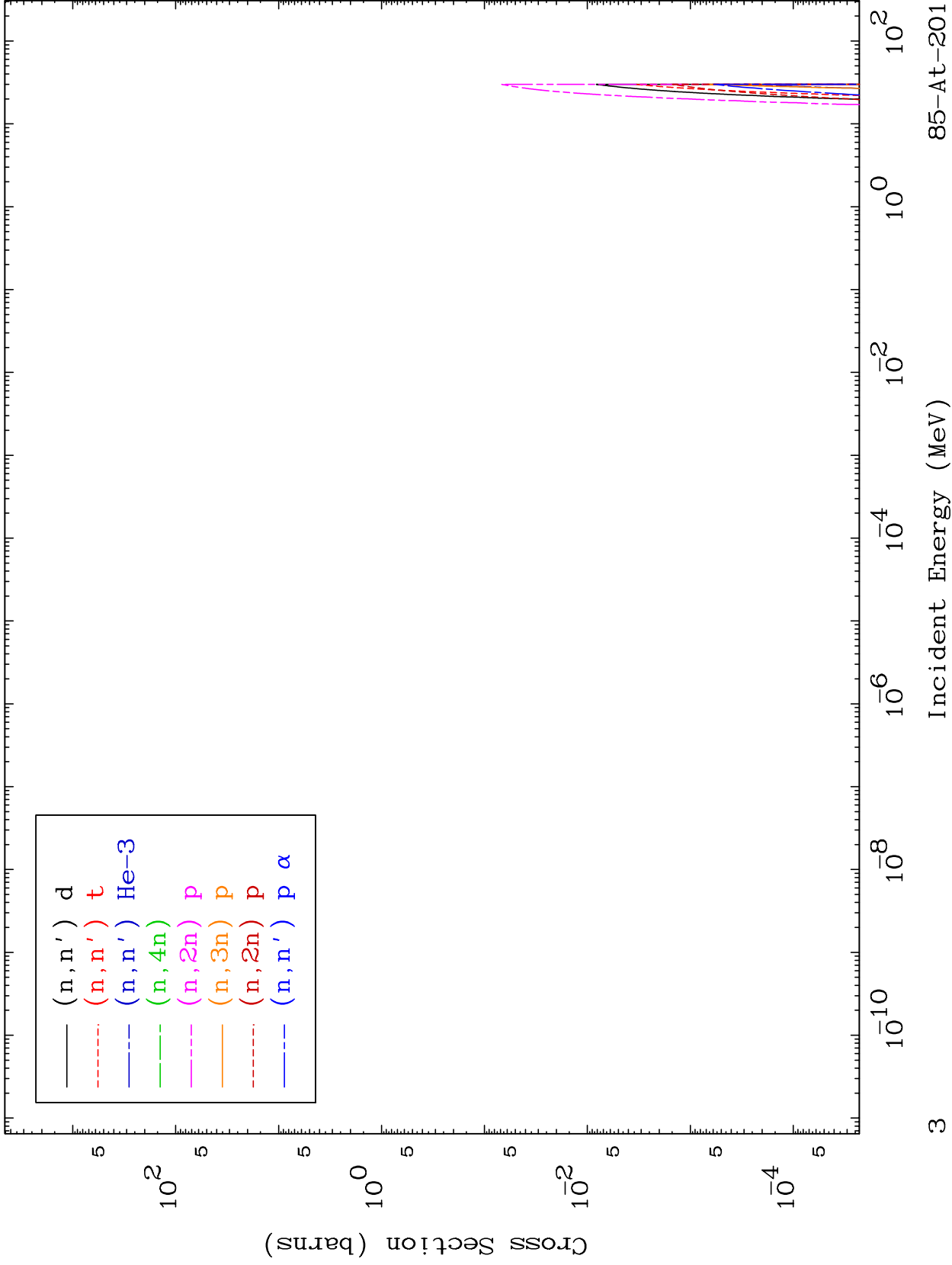
85-At-201



MAT 8519

Neutron Absorption
293 Kelvin Cross Sections

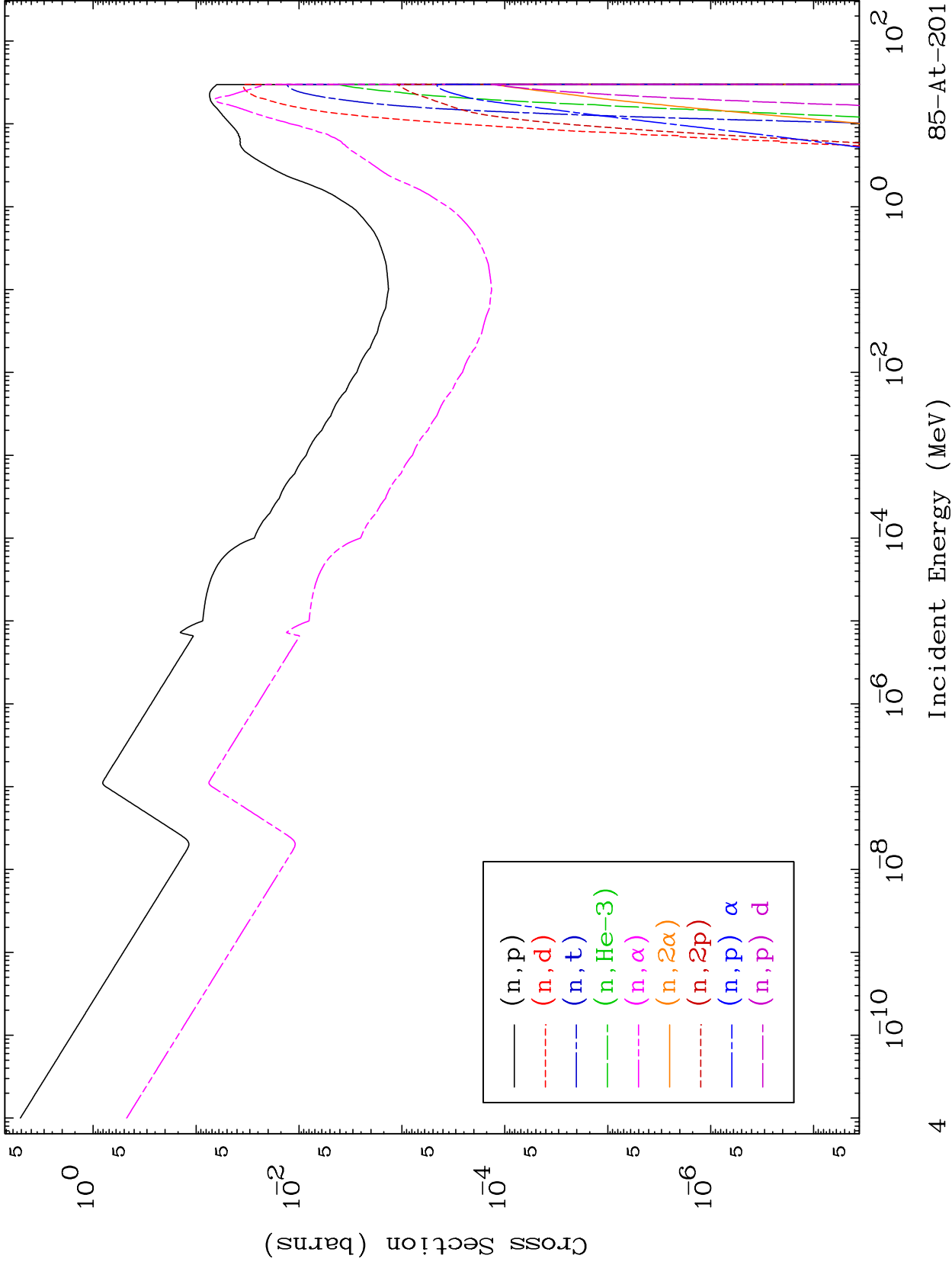
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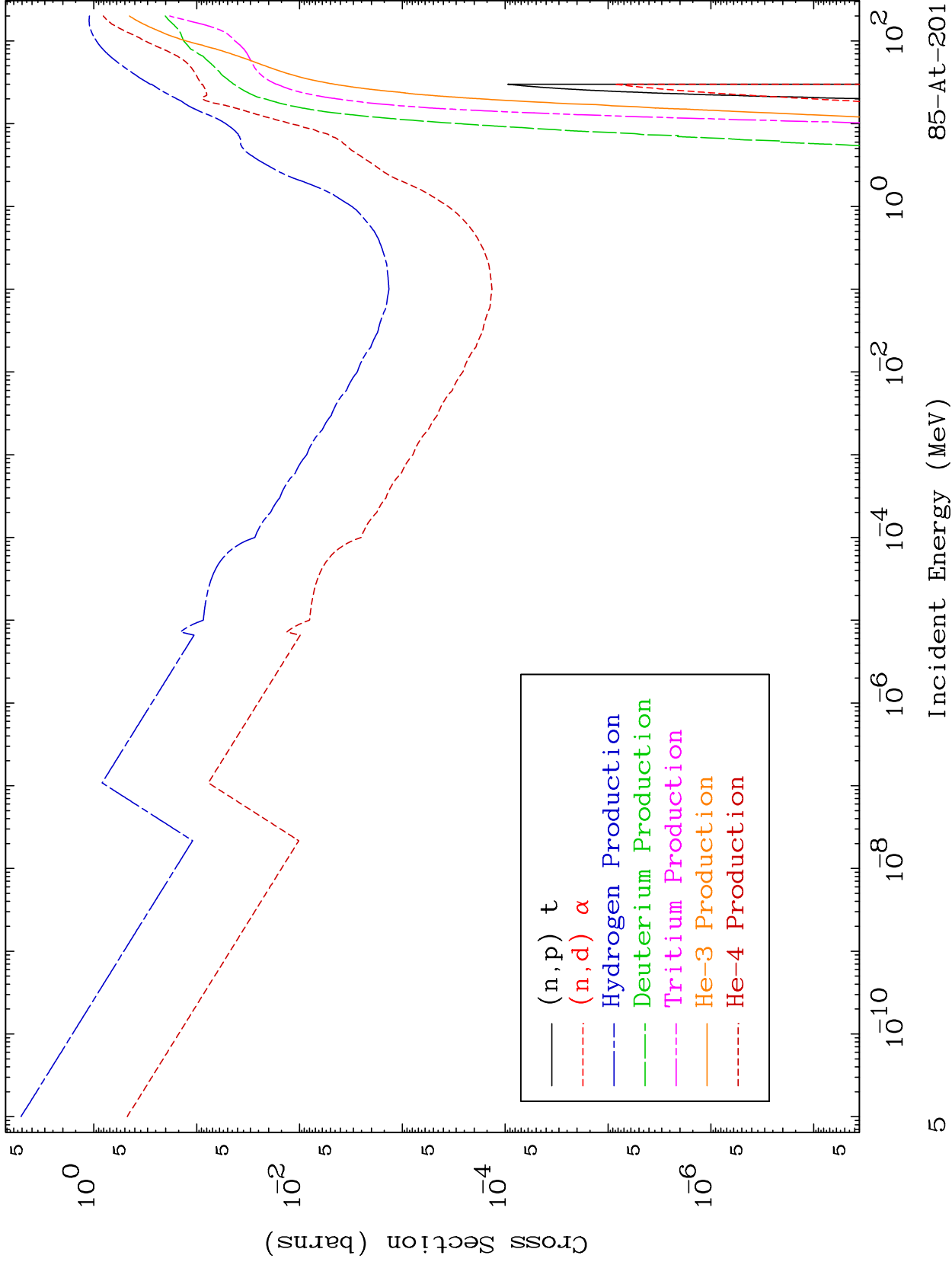


MAT 8519

Neutron Absorption
293 Kelvin Cross Sections

85-At-201

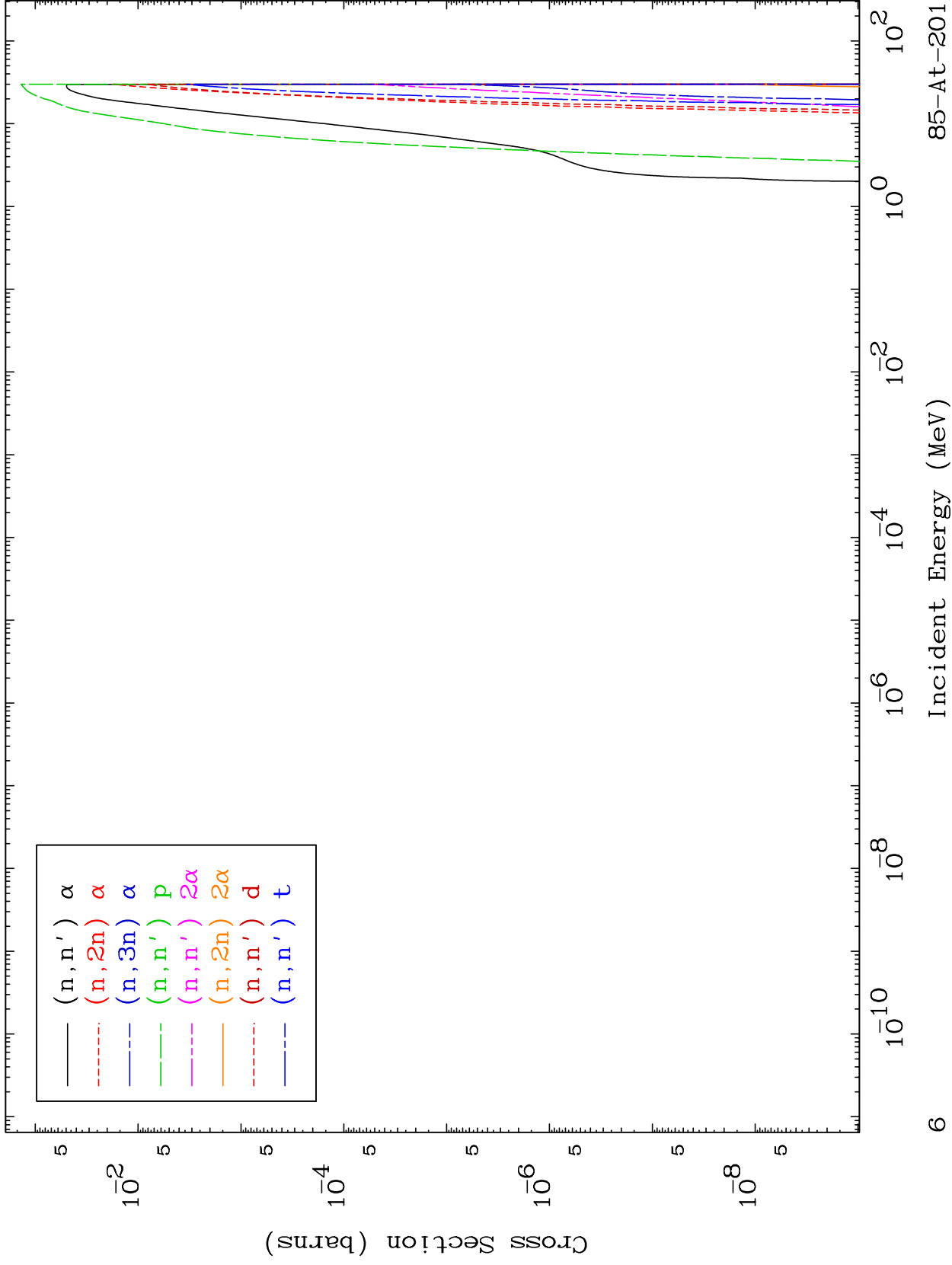




MAT 8519

Charged Particle
293 Kelvin Cross Sections

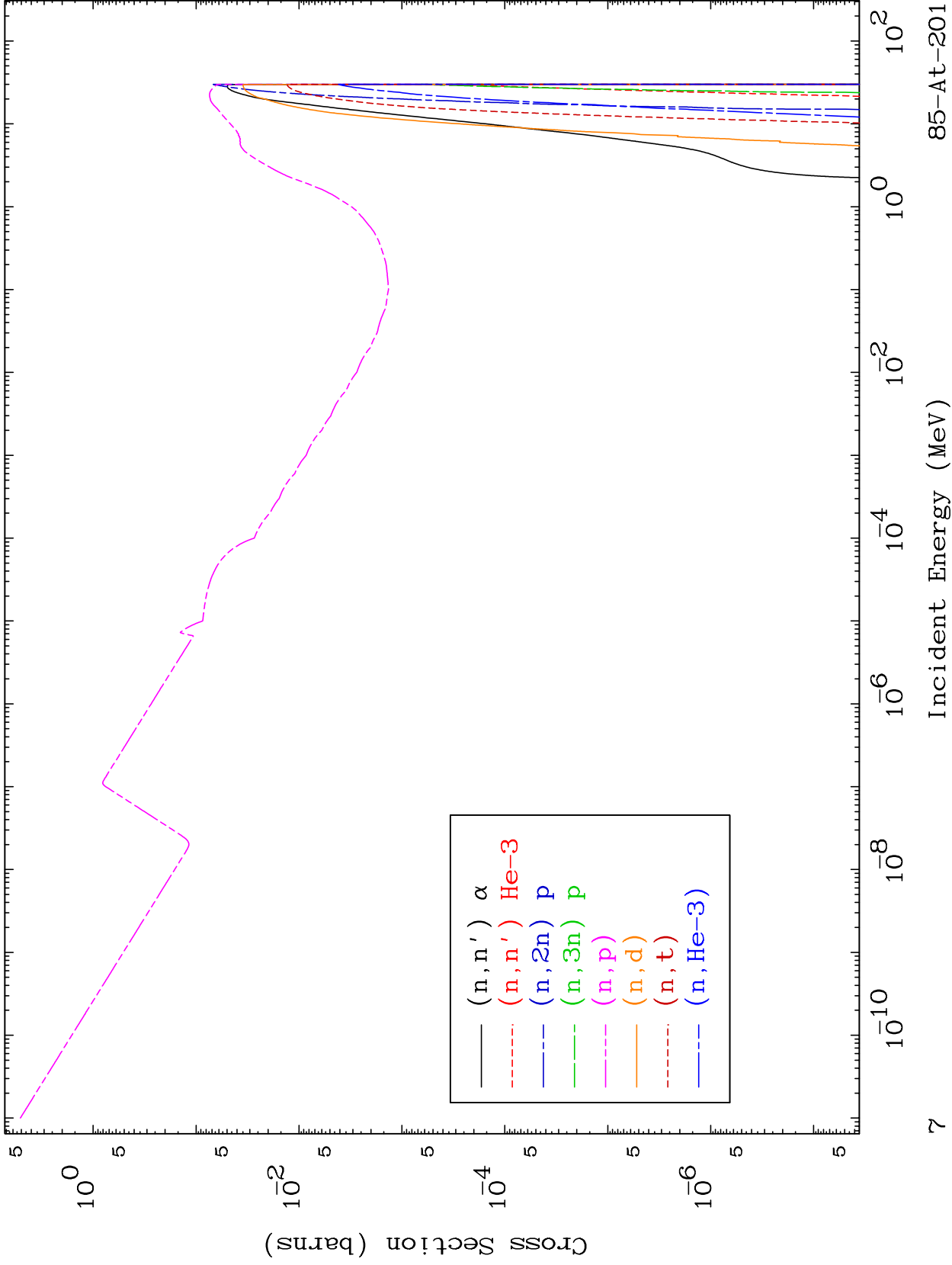
85-At-201



MAT 8519

Charged Particle
293 Kelvin Cross Sections

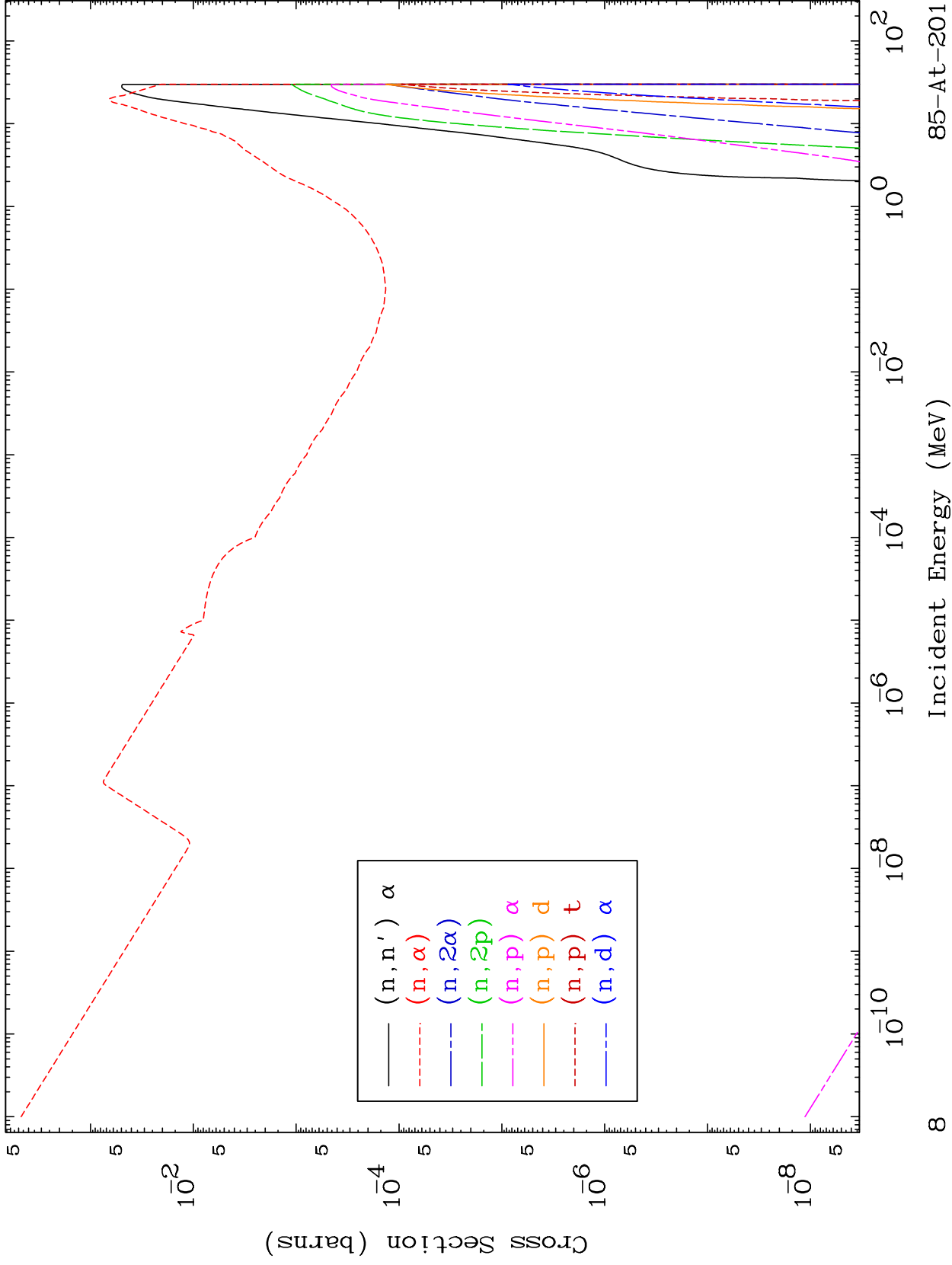
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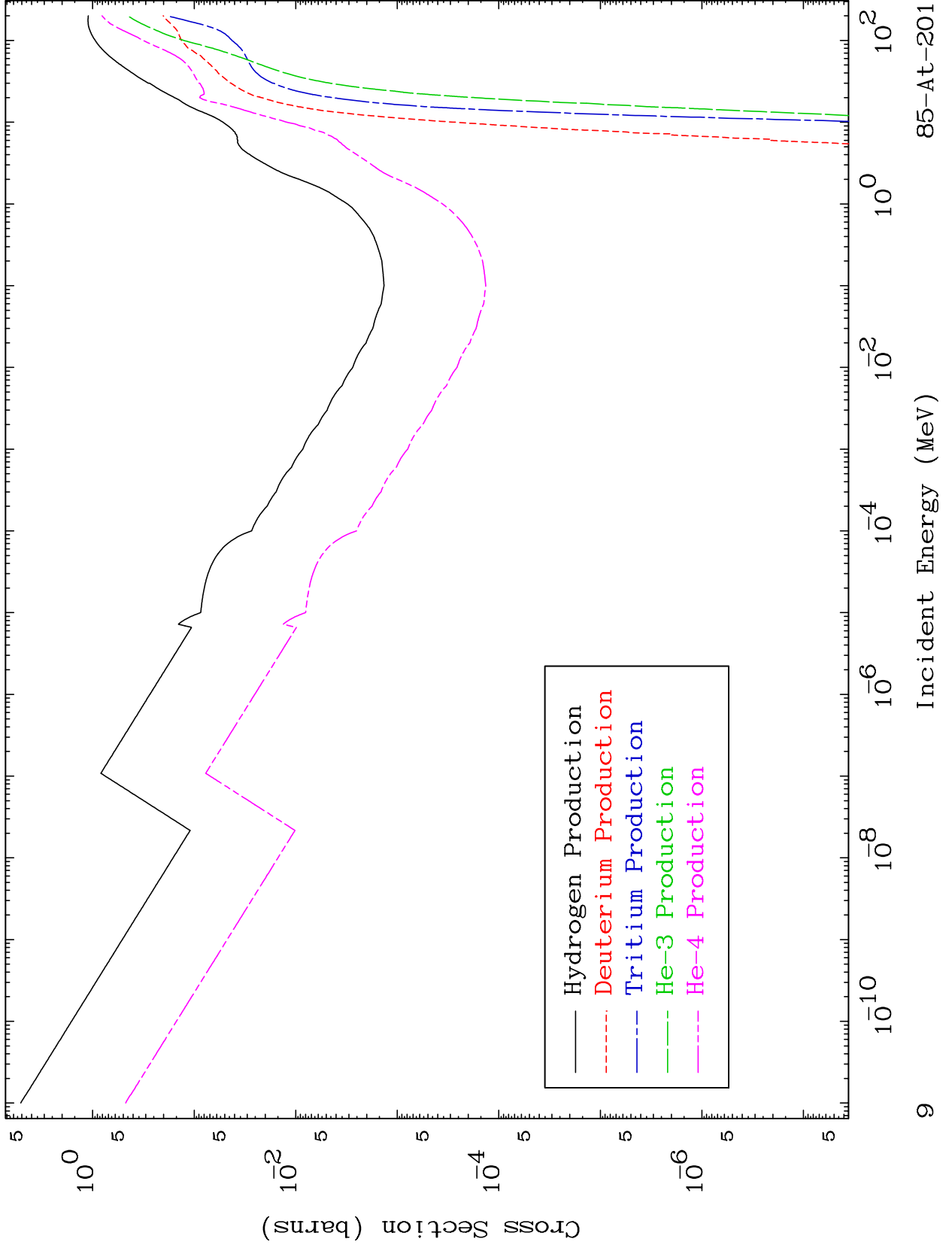


MAT 8519

Charged Particle
293 Kelvin Cross Sections

85-At-201



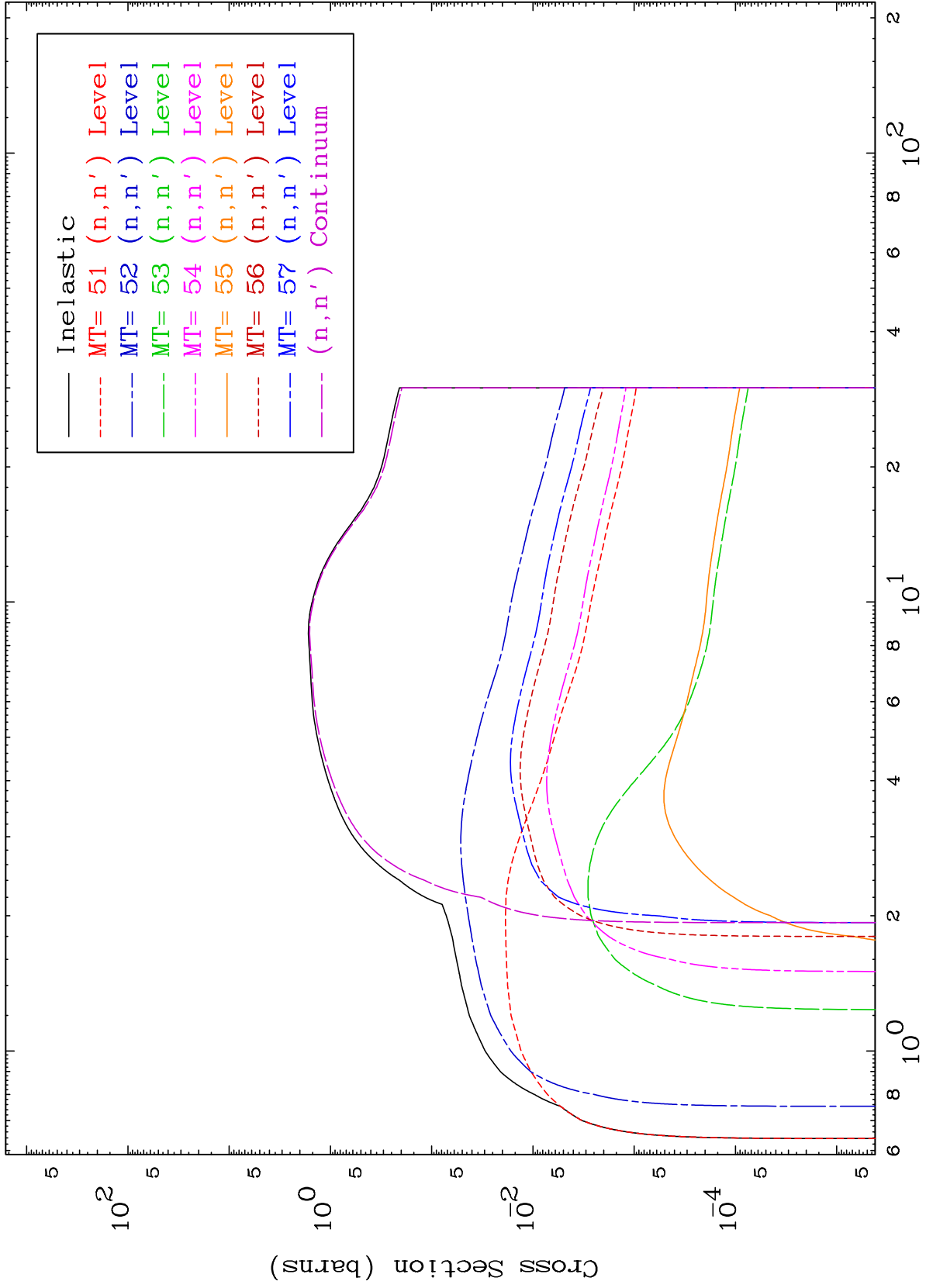


MAT 8519

(n,n') Levels

85-At-201

293 Kelvin Cross Sections



10

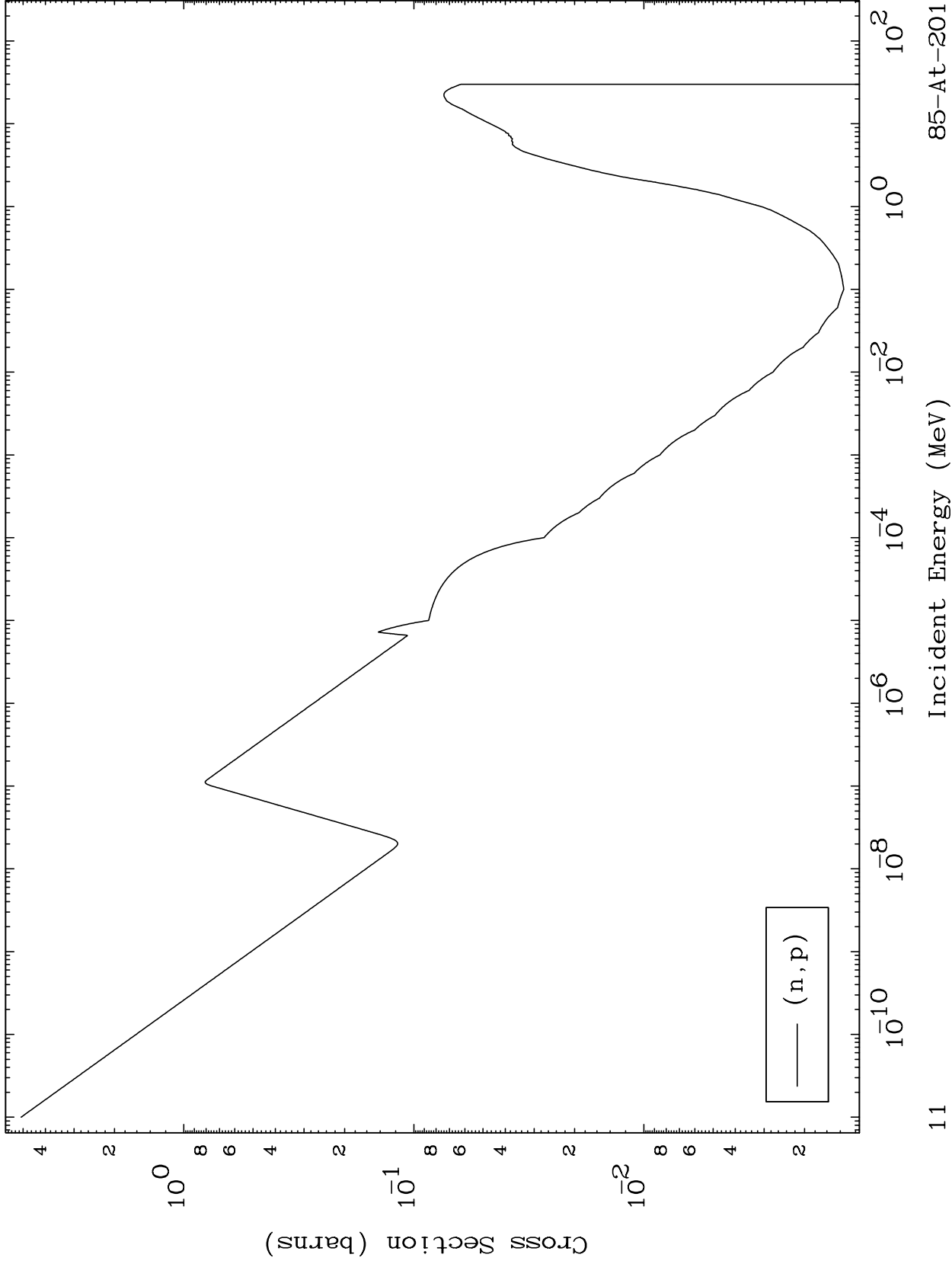
Incident Energy (MeV)

85-At-201

MAT 8519

(n,p) Levels
293 Kelvin Cross Sections

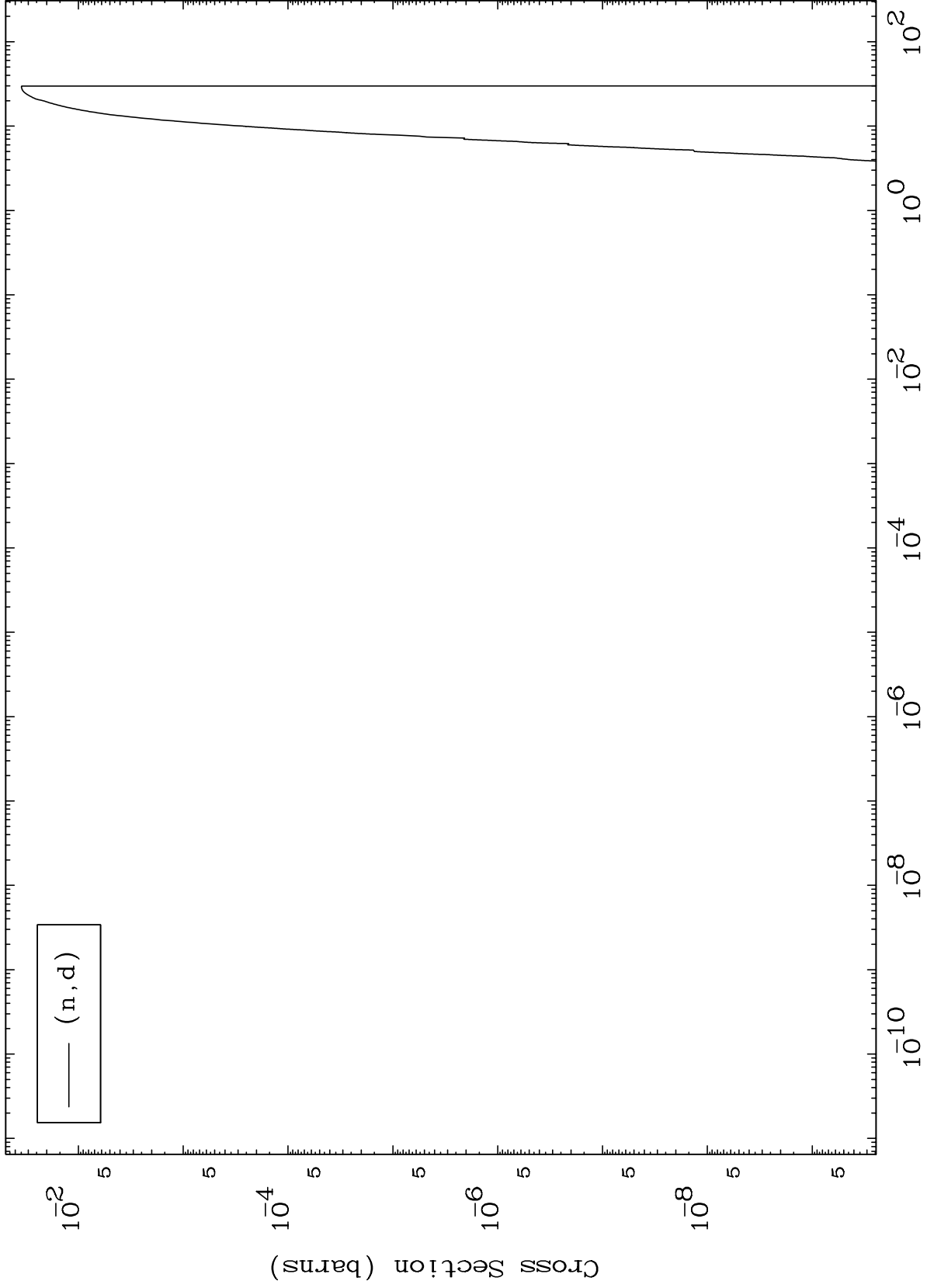
85-At-201



MAT 8519

(n,d) Levels
293 Kelvin Cross Sections

85-At-201



12

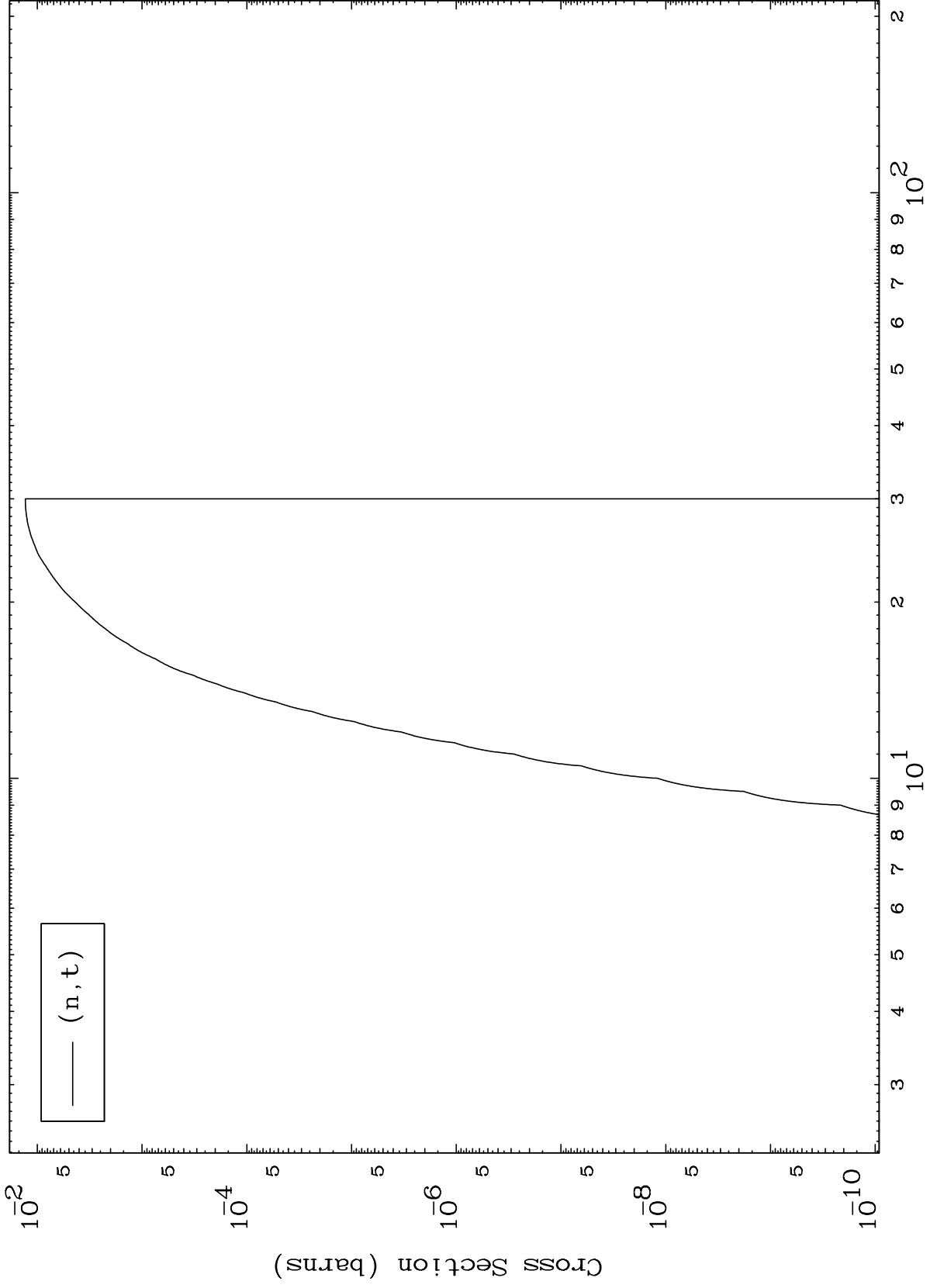
Incident Energy (MeV)

85-At-201

MAT 8519

(n,t) Levels
293 Kelvin Cross Sections

85-At-201



13

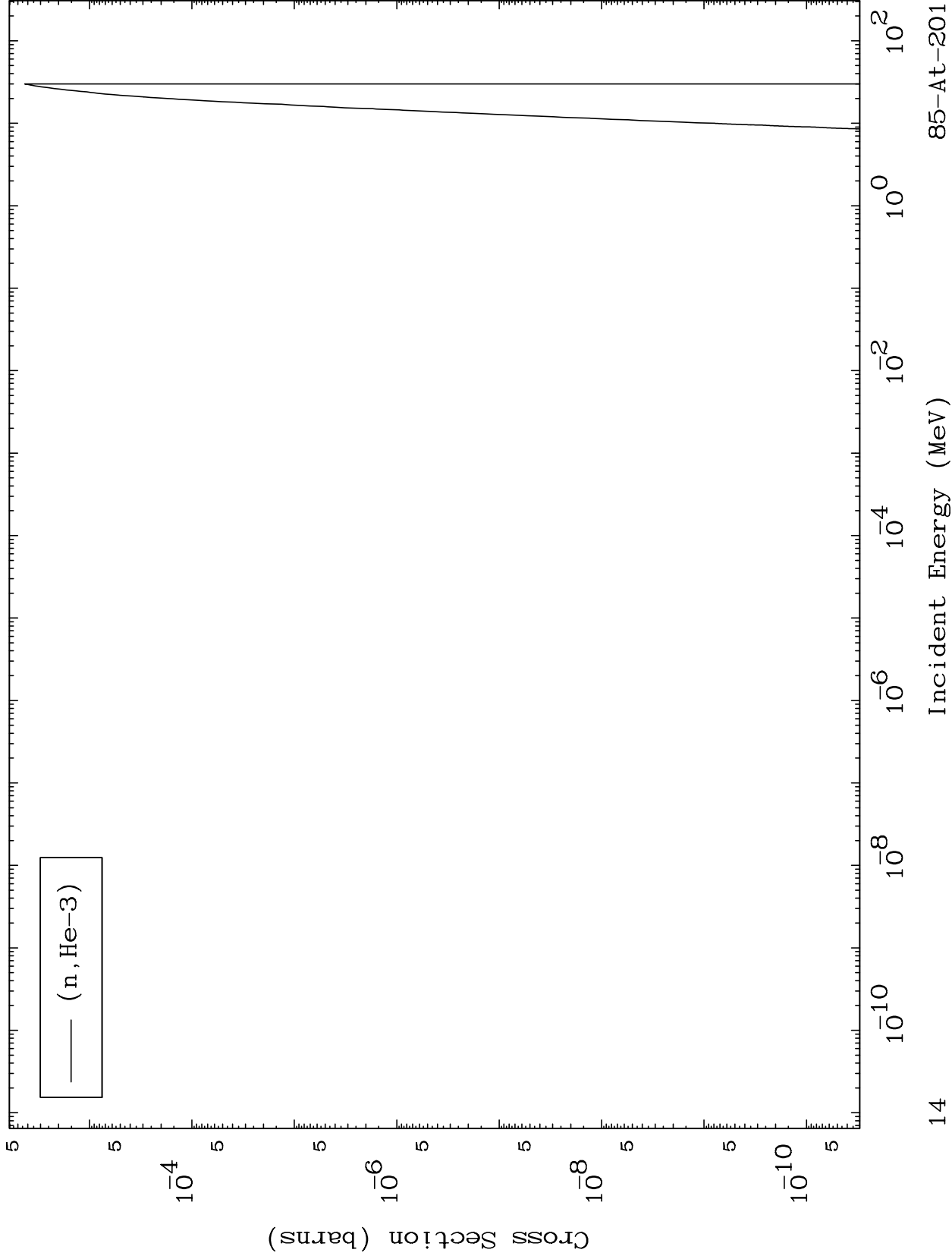
Incident Energy (MeV)

85-At-201

MAT 8519

(n,He3) Levels
293 Kelvin Cross Sections

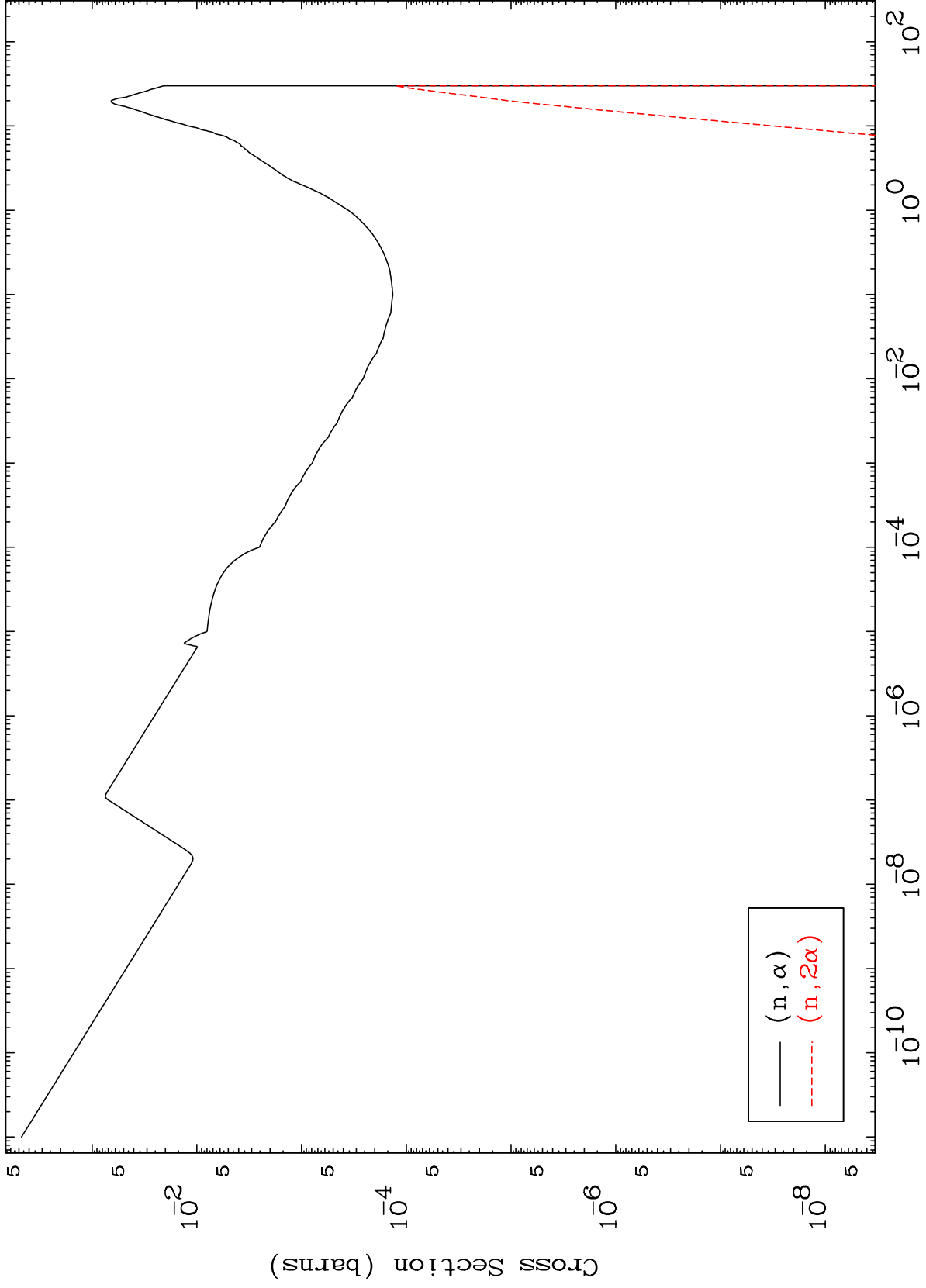
85-At-201



MAT 8519

(n,α) Levels
293 Kelvin Cross Sections

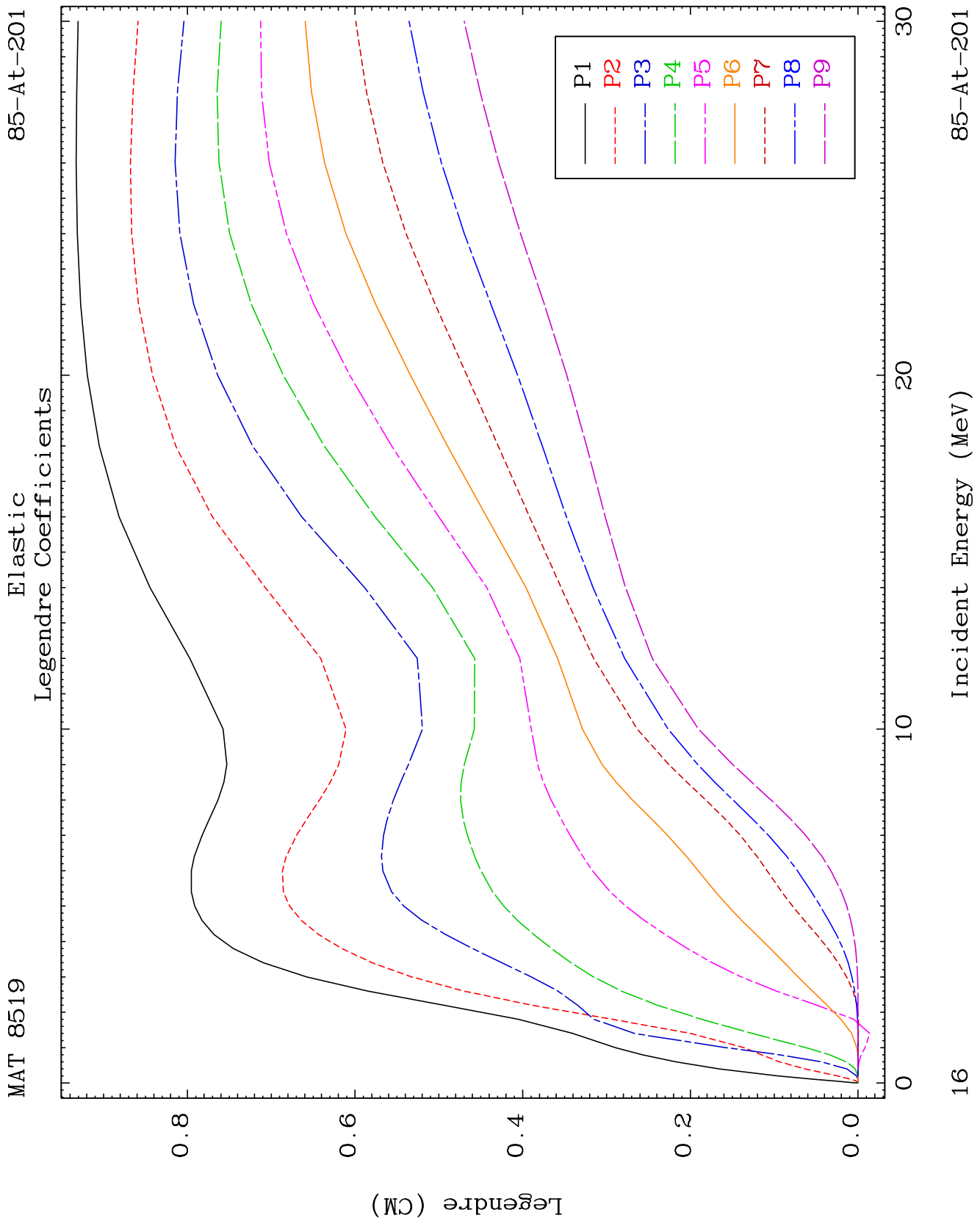
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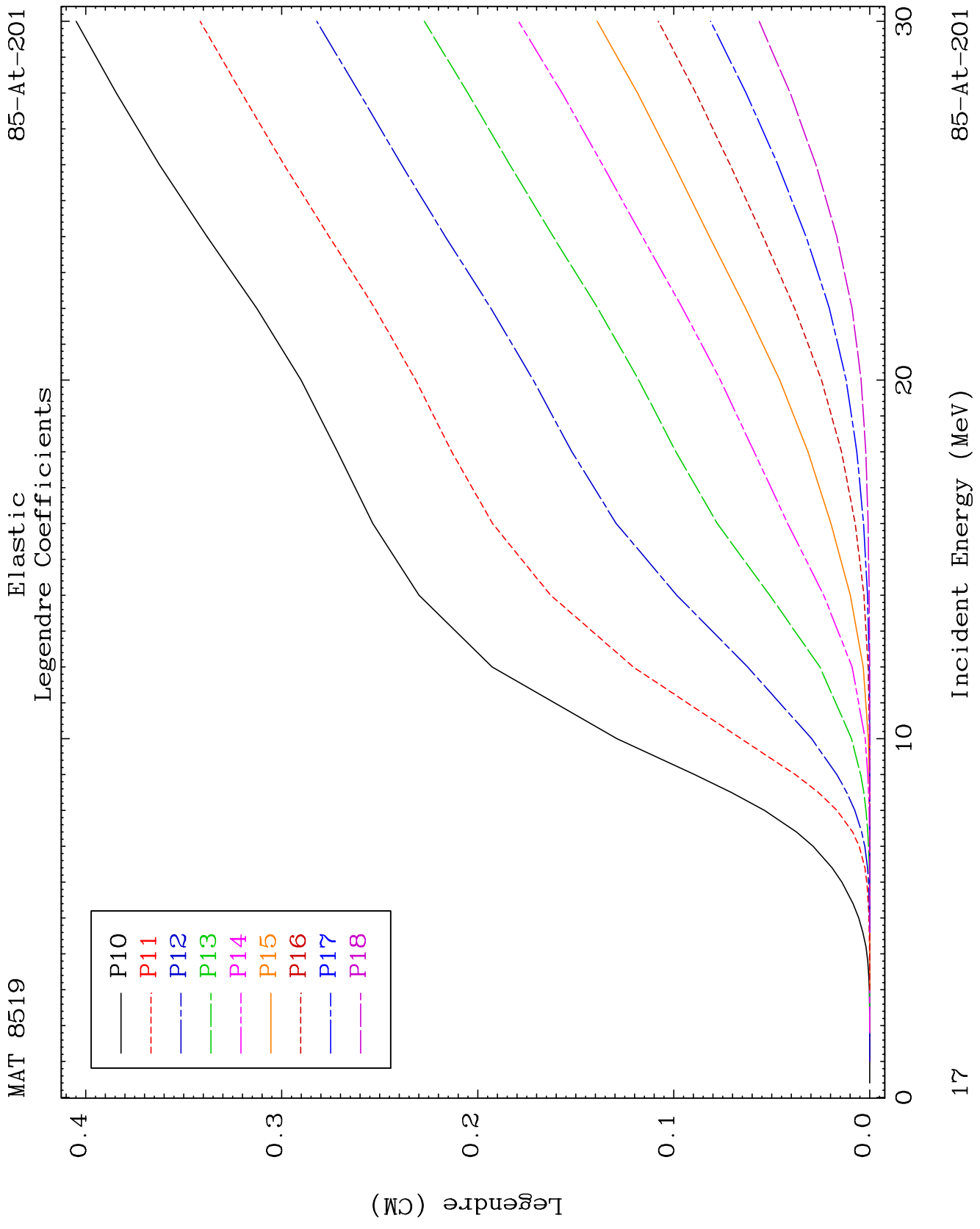


15

Incident Energy (MeV)

85-At-201

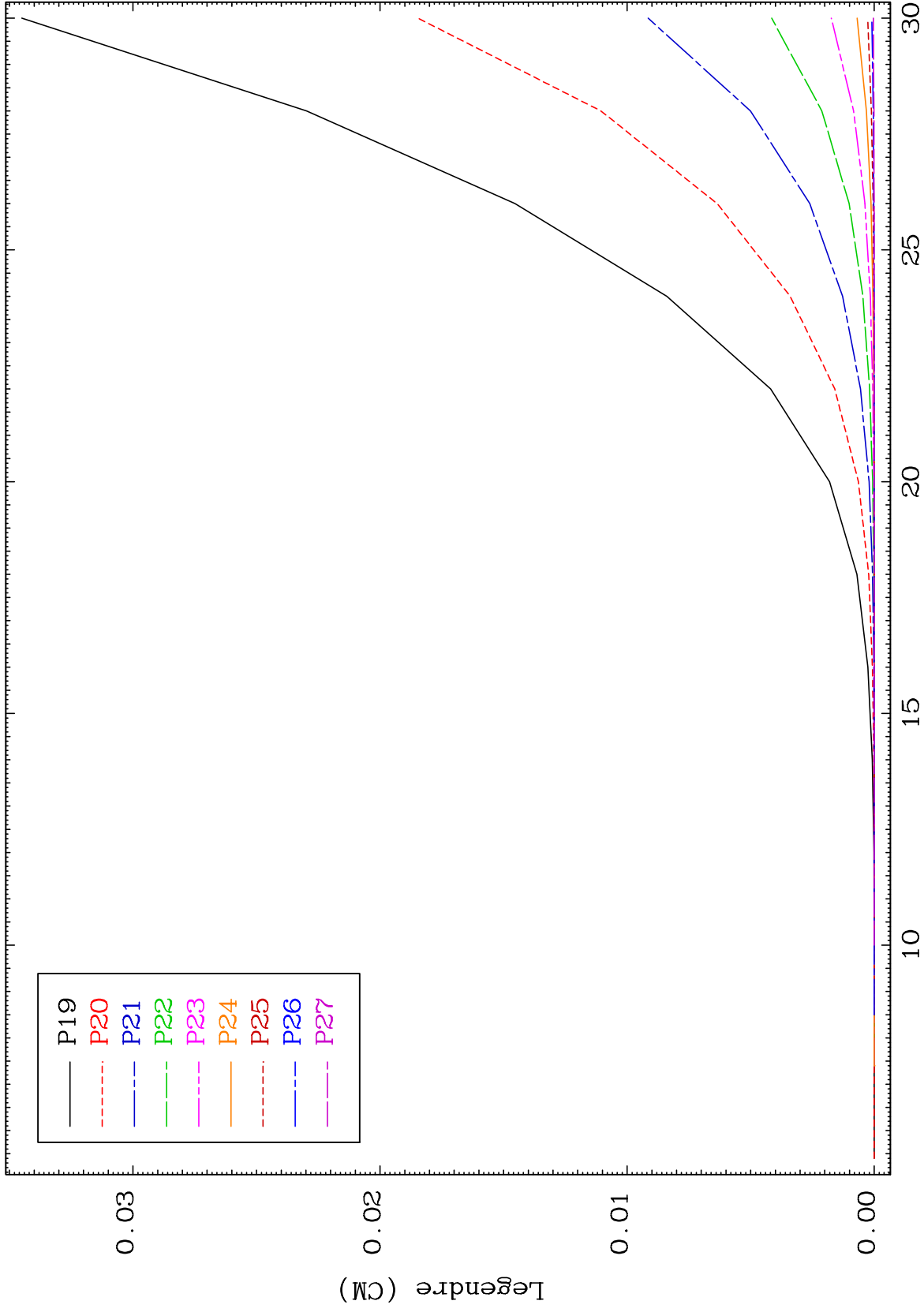




MAT 8519

Elastic Legendre Coefficients

85-At-201



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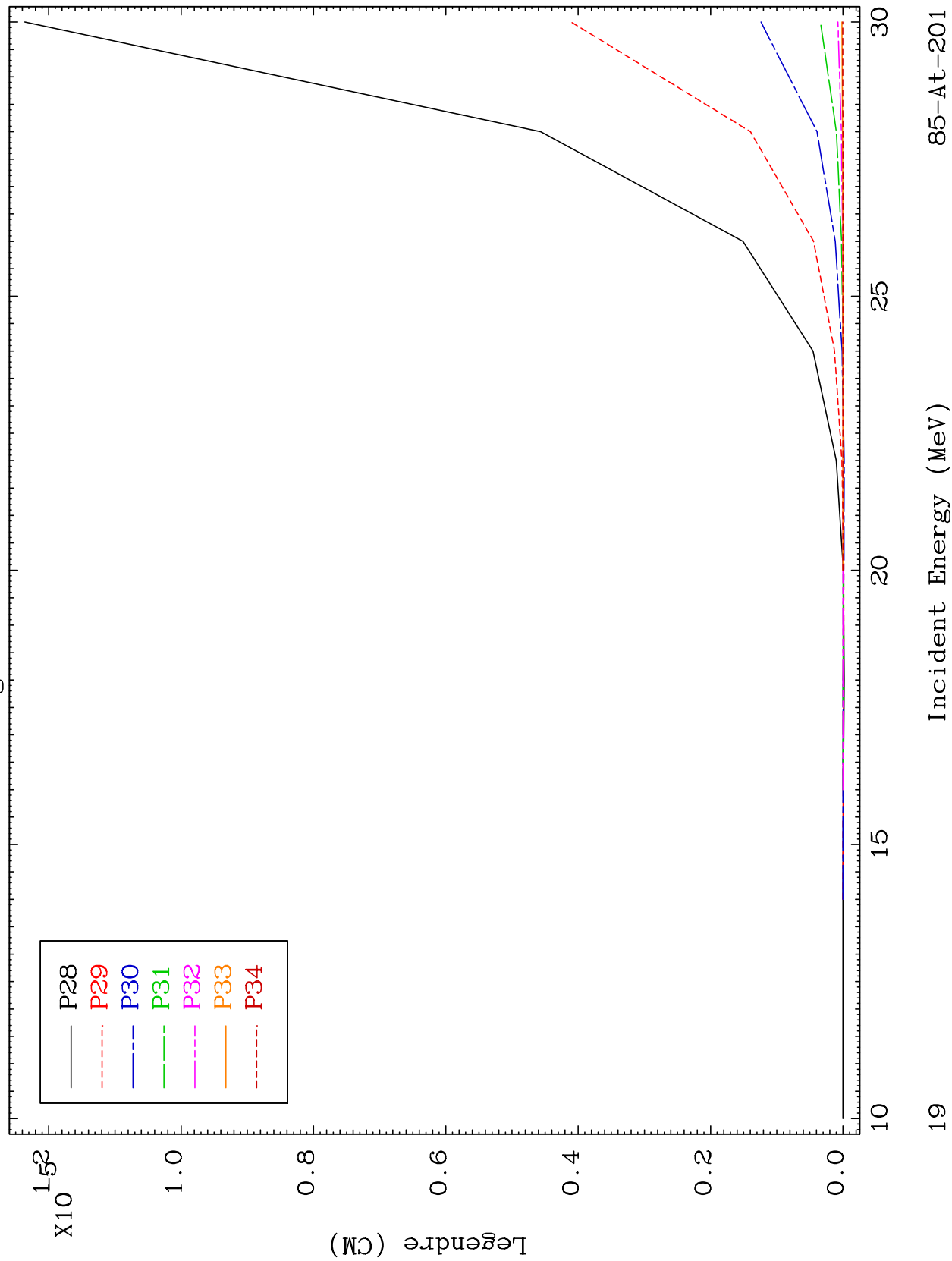
Incident Energy (MeV)

85-At-201

MAT 8519

Elastic Legendre Coefficients

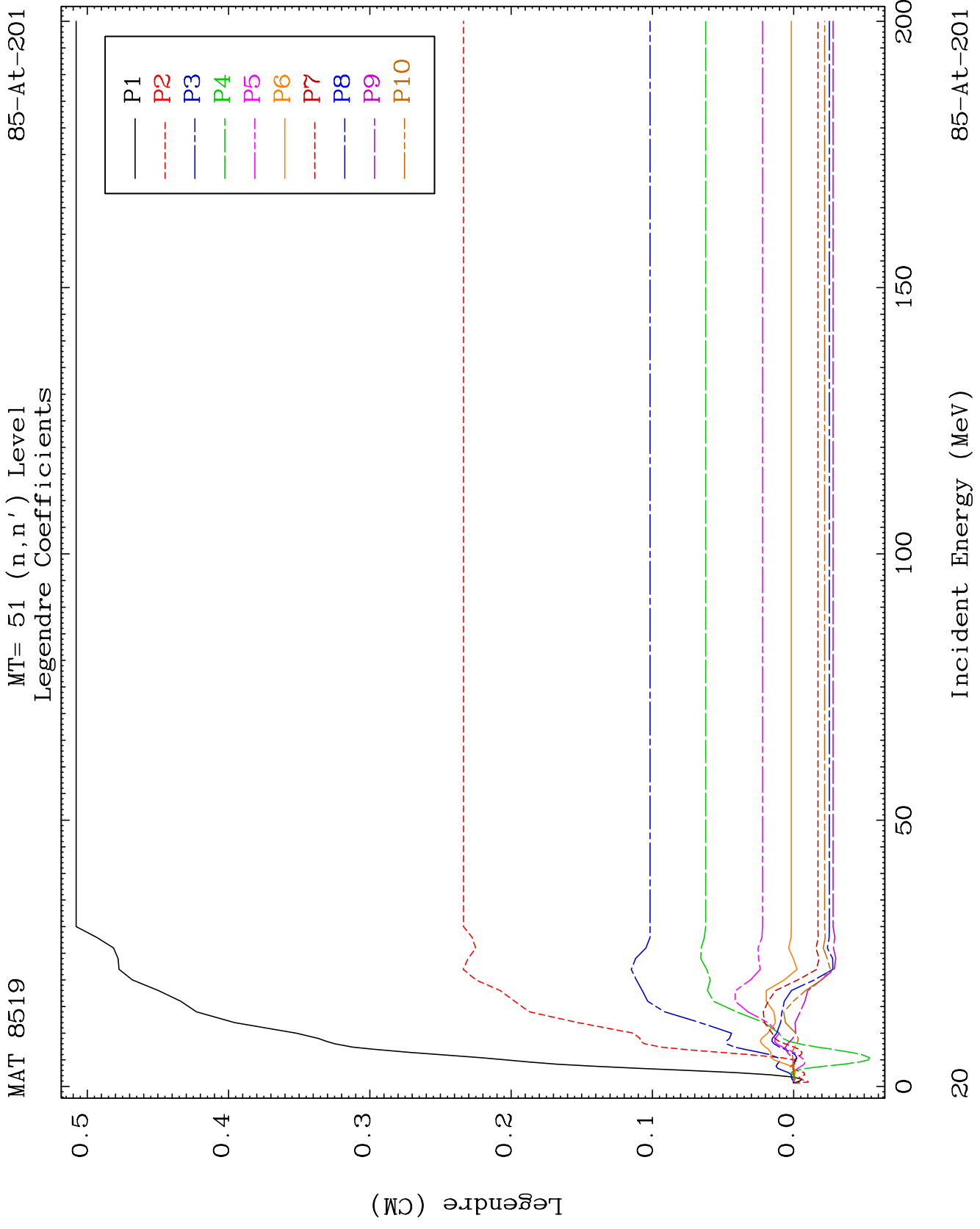
85-At-201



19

Incident Energy (MeV)

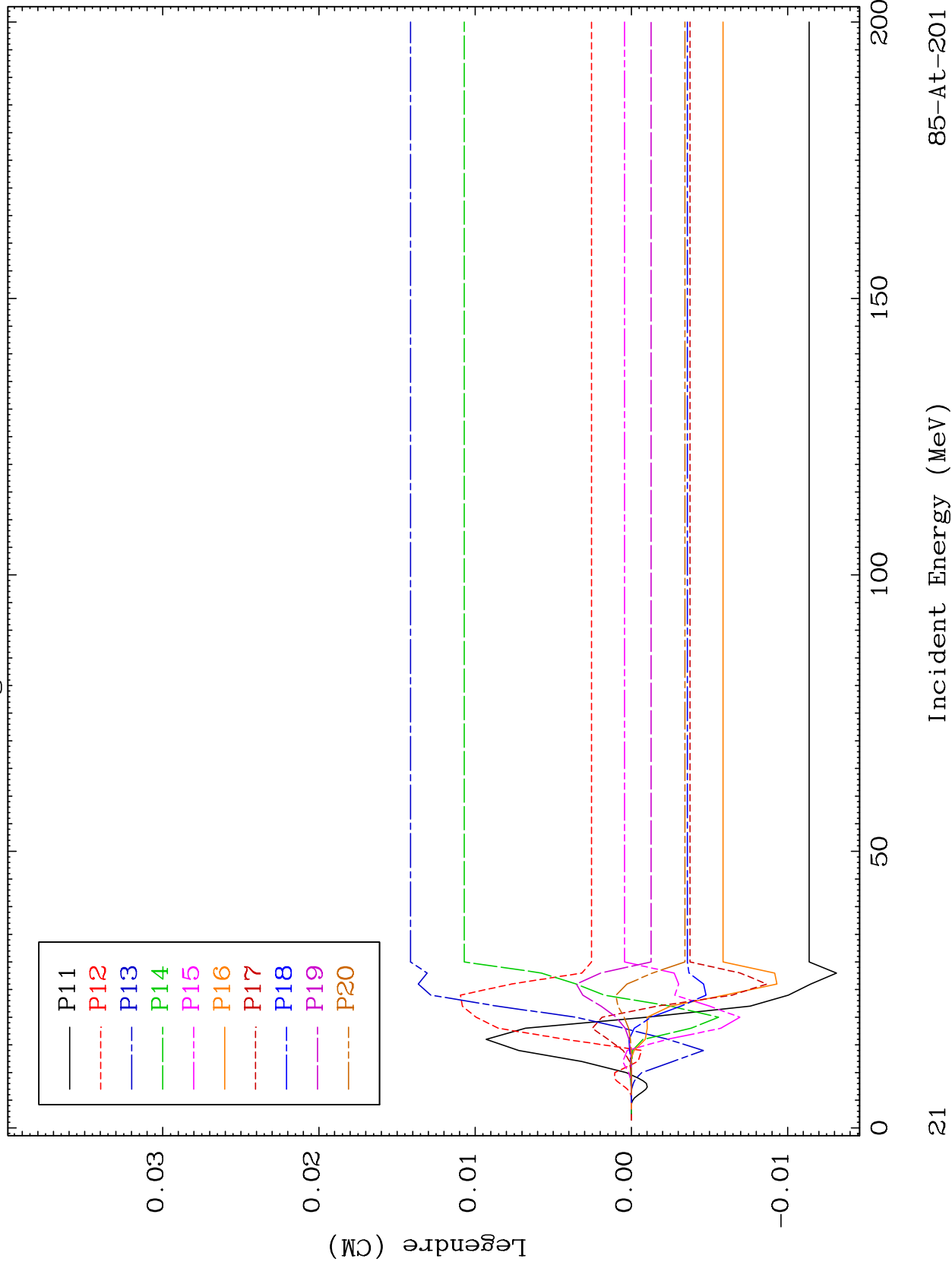
85-At-201



MAT 8519

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

85-At-201



21

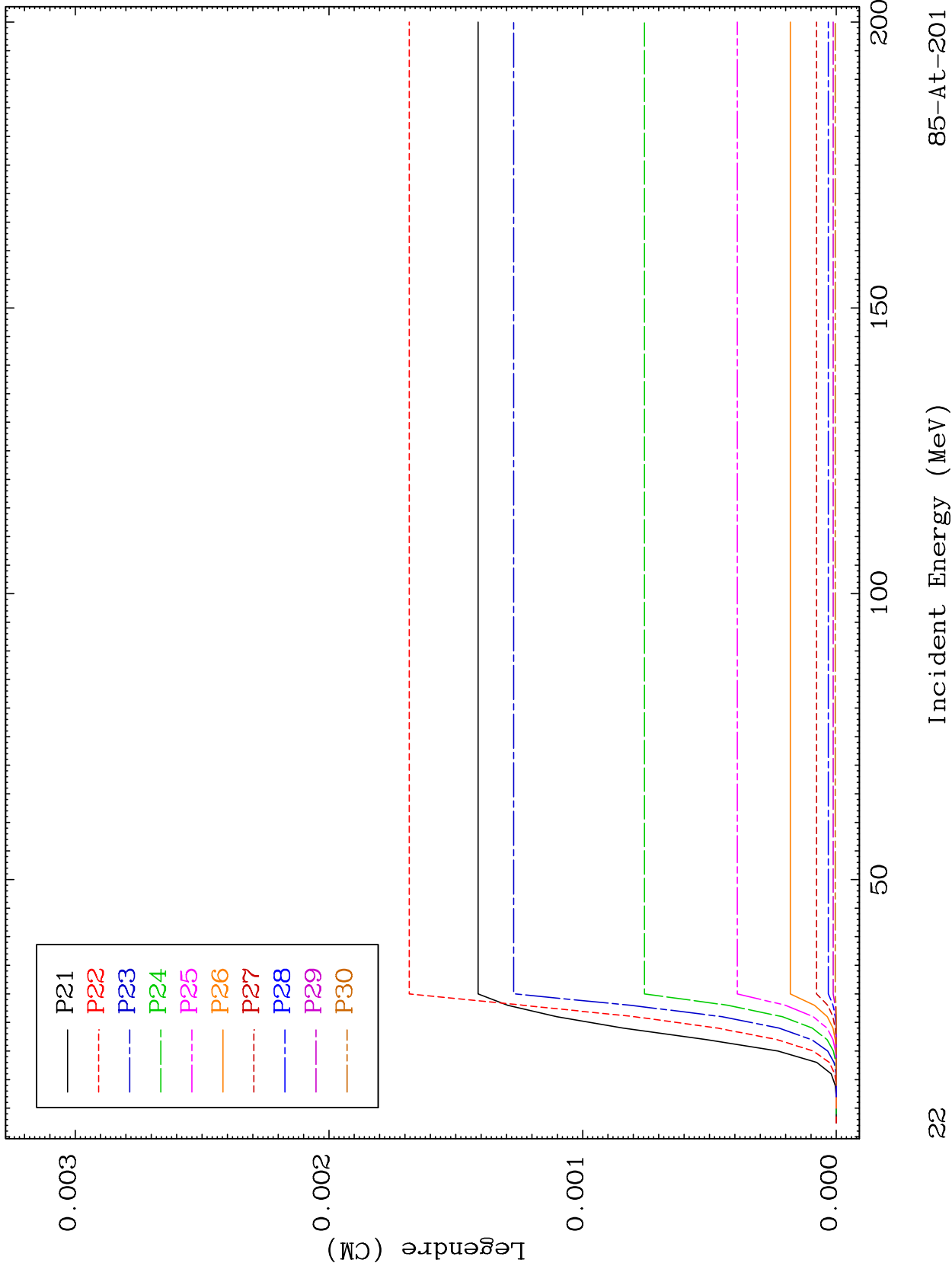
Incident Energy (MeV)

85-At-201

MAT 8519

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

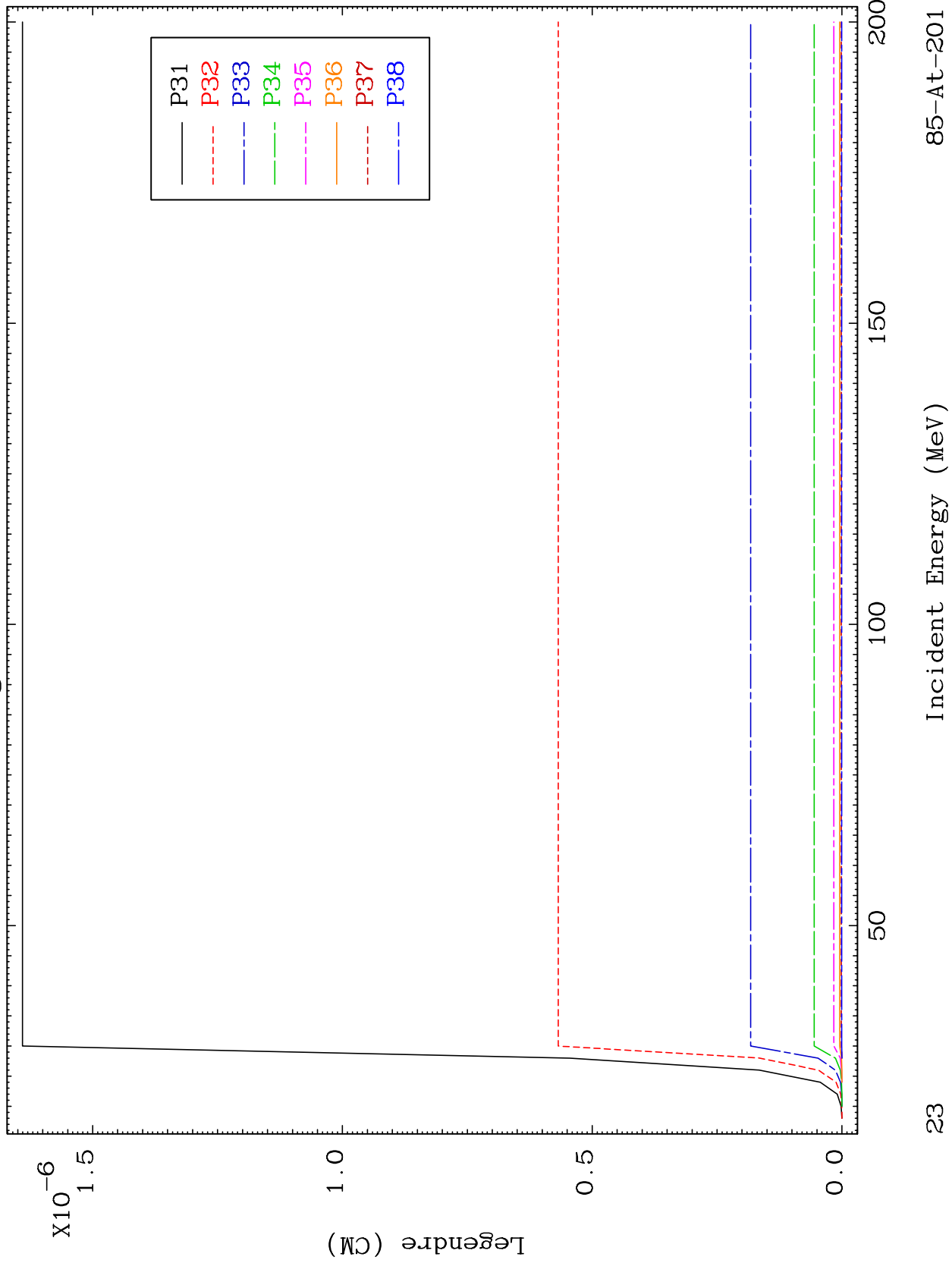
85-At-201



MAT 8519

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

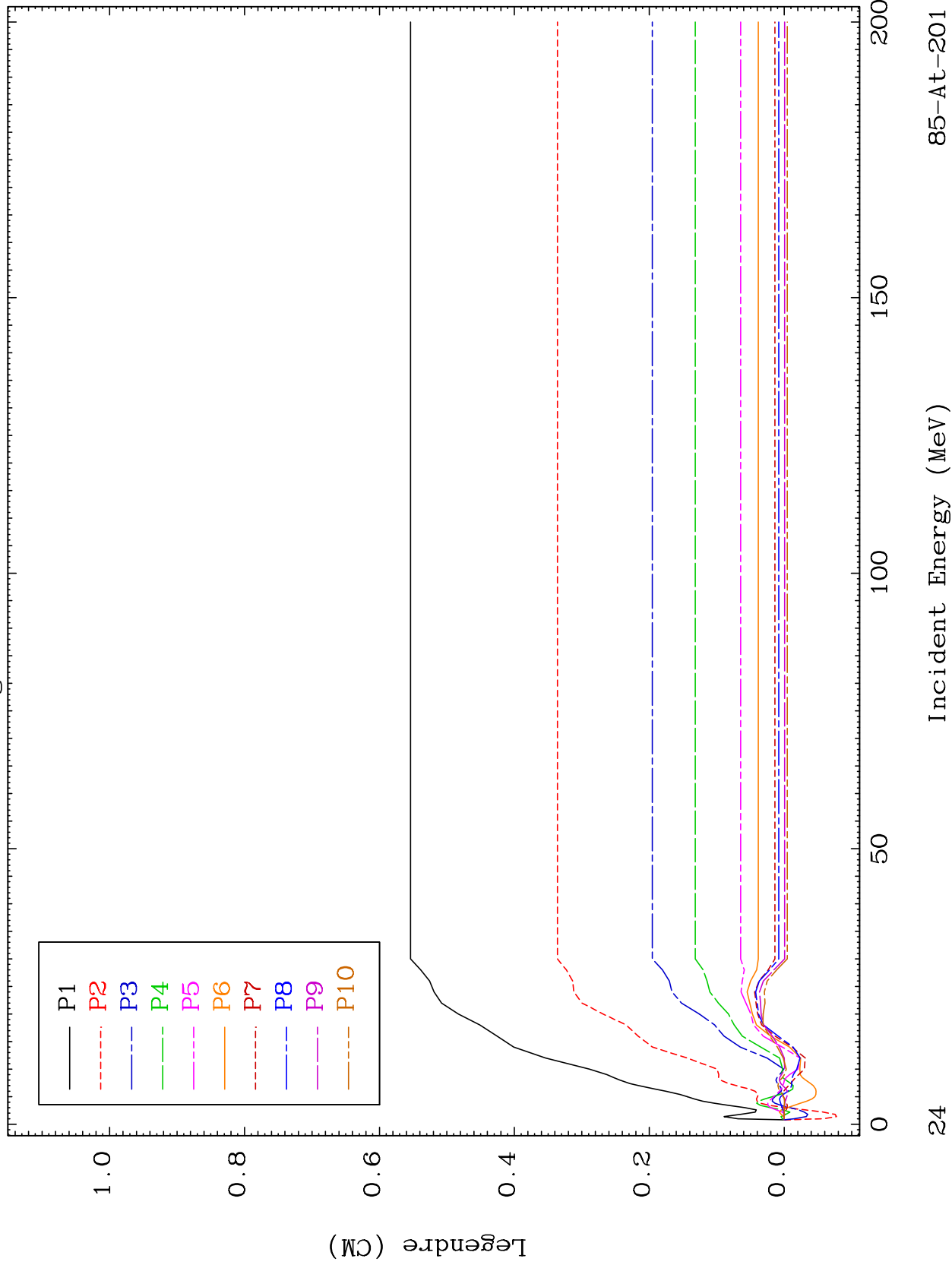
85-At-201



MAT 8519

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

85-At-201



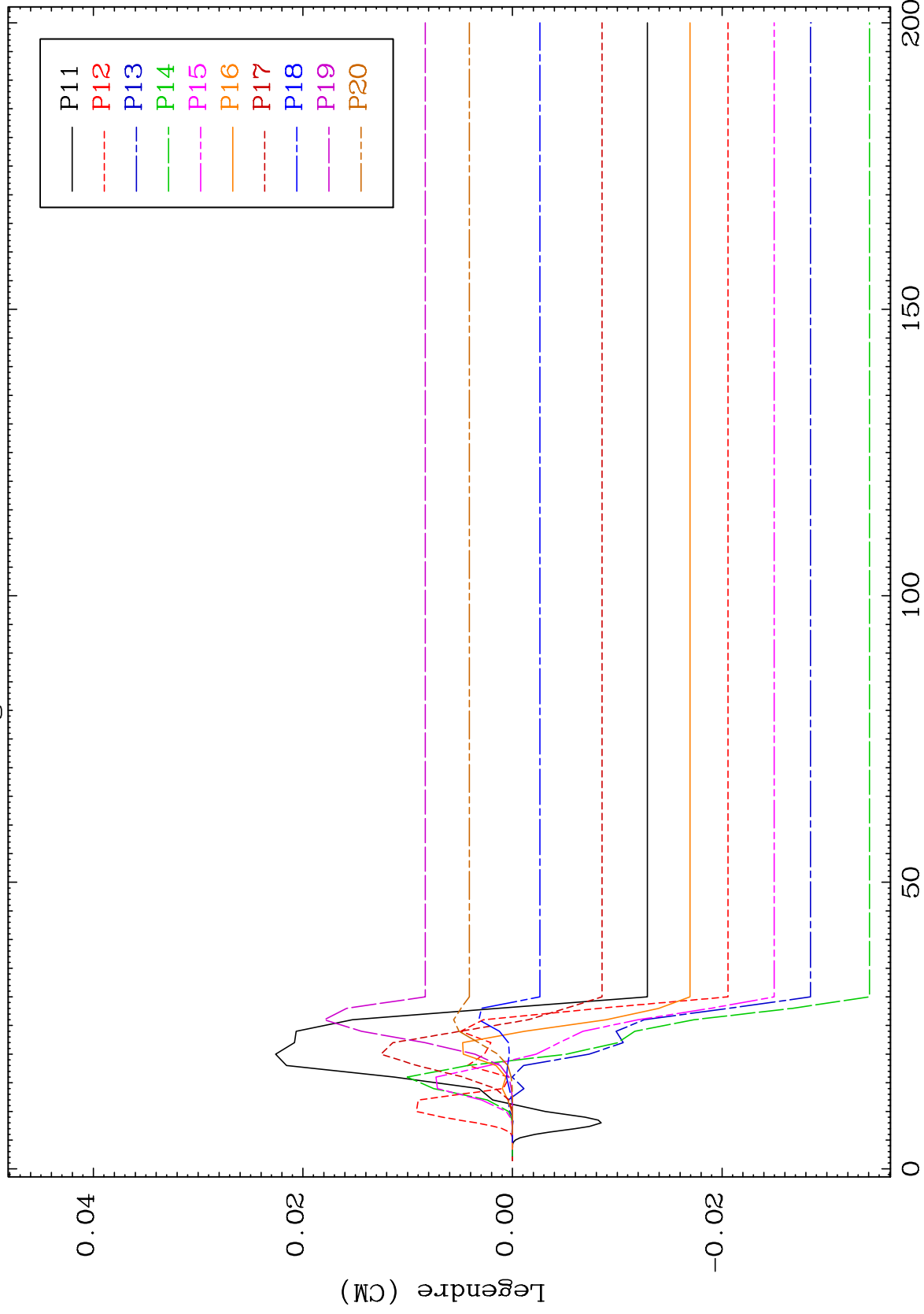
24

85-At-201

MAT 8519

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

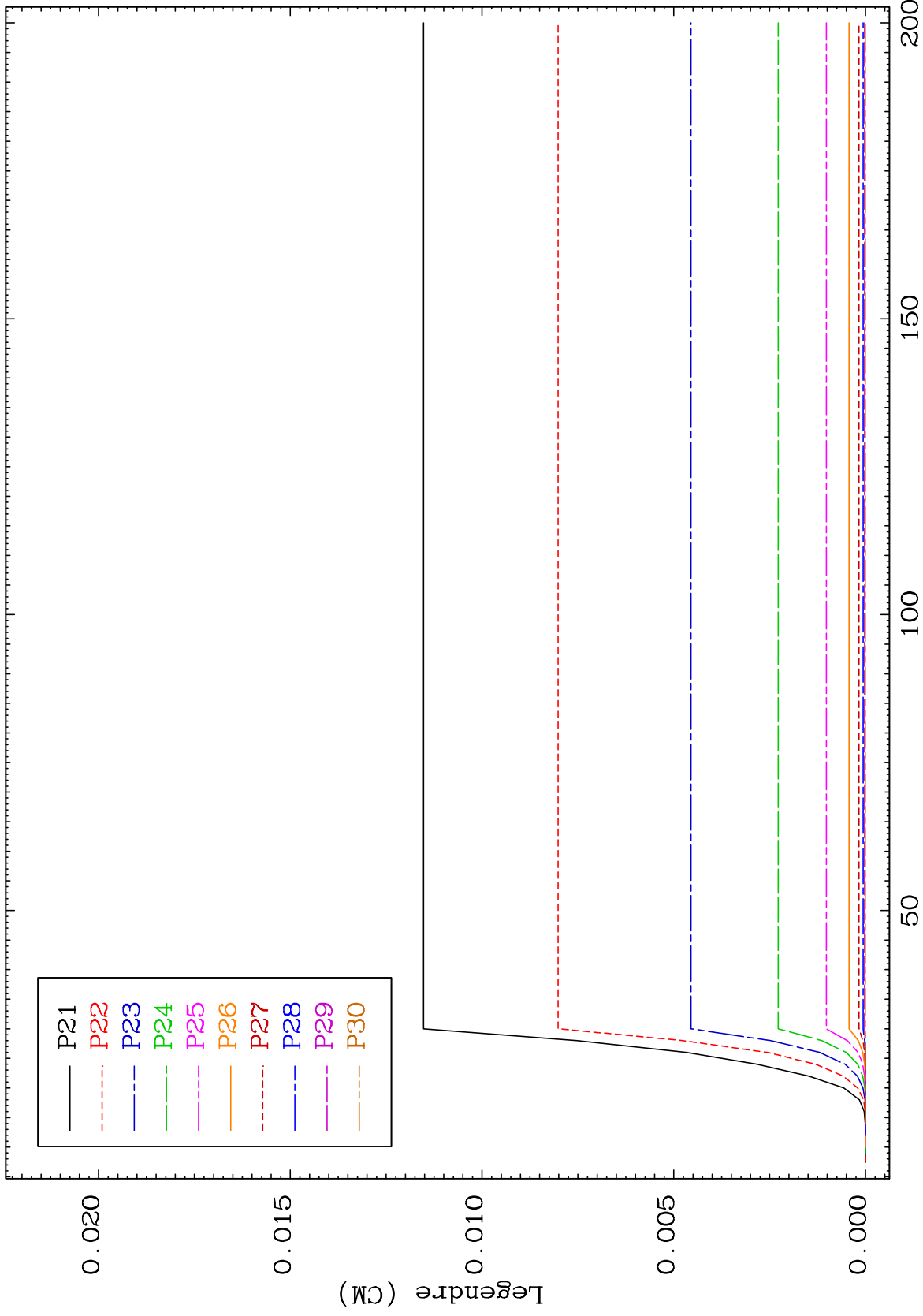
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25

Incident Energy (MeV)

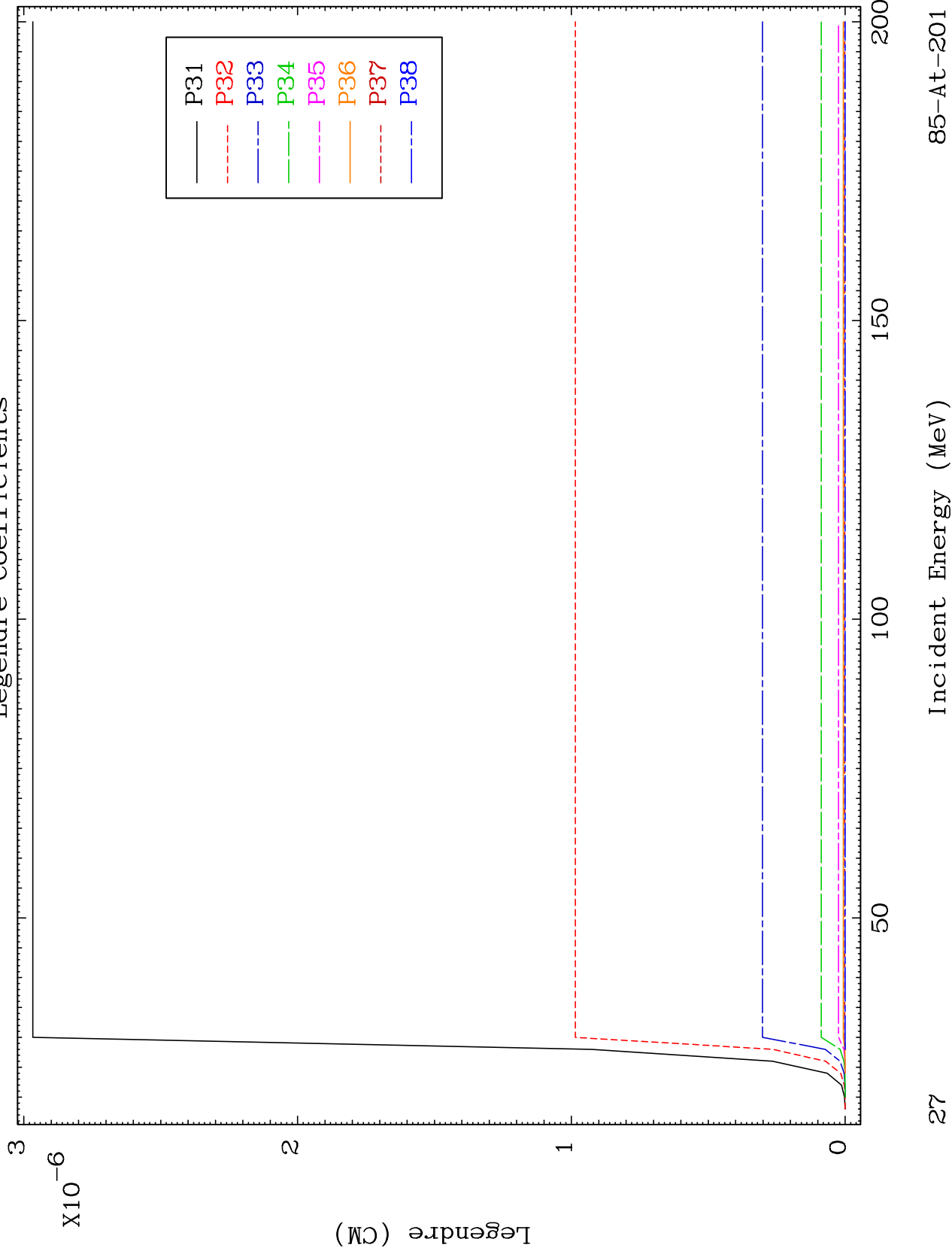
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MAT 8519

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

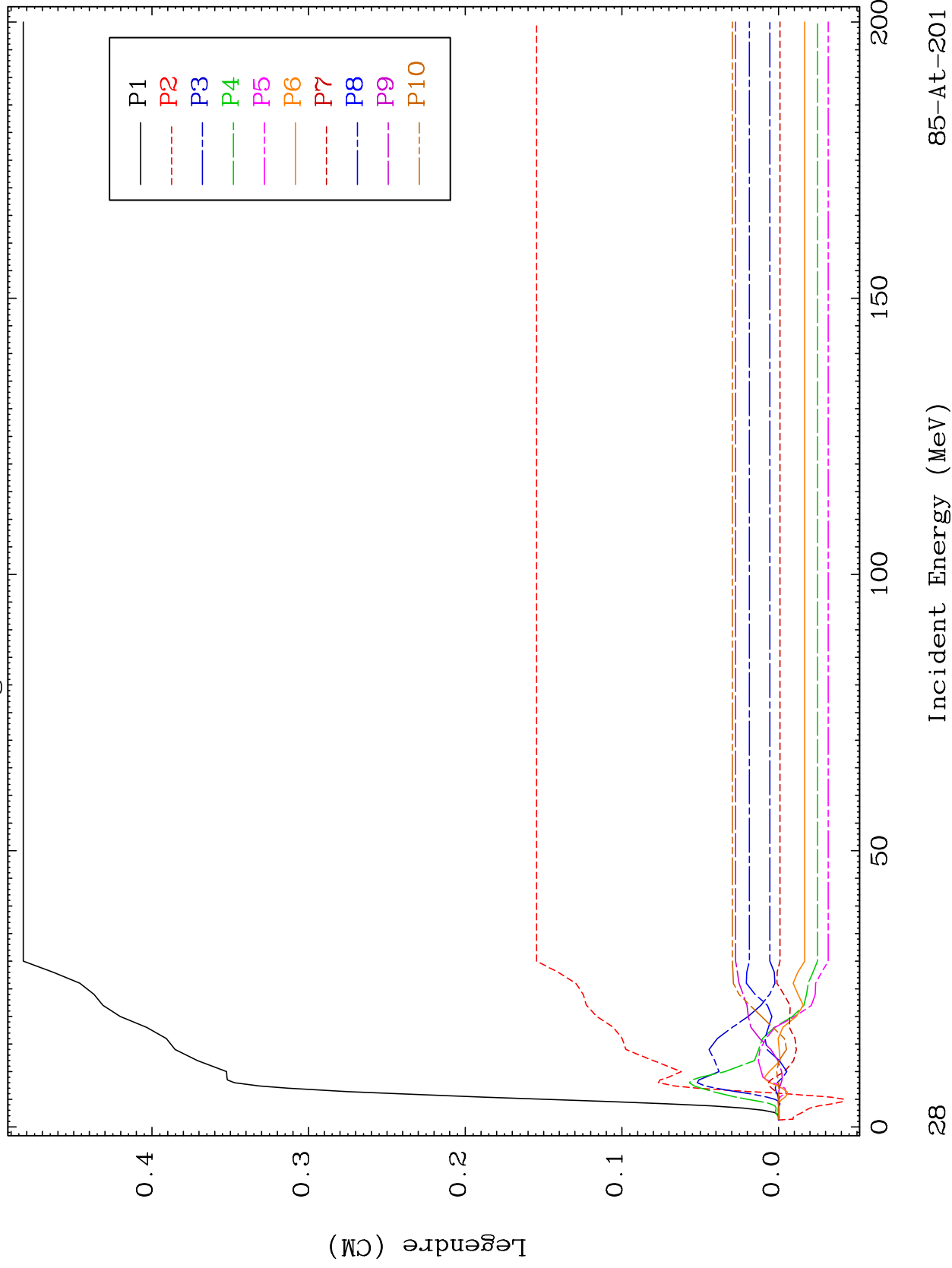
85-At-201



MAT 8519

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

85-At-201



85-At-201

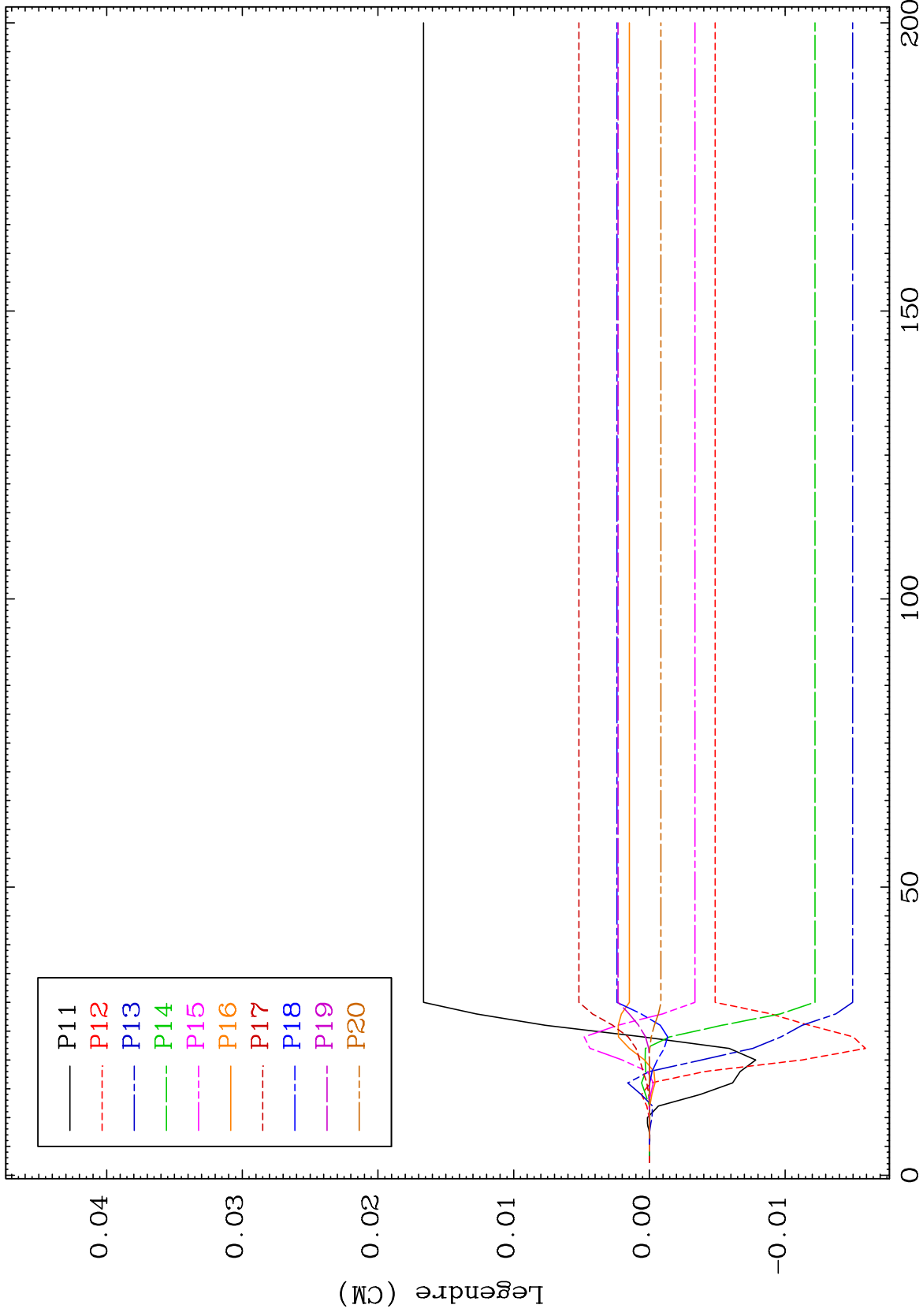
Incident Energy (MeV)

28

MAT 8519

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

85-At-201



29

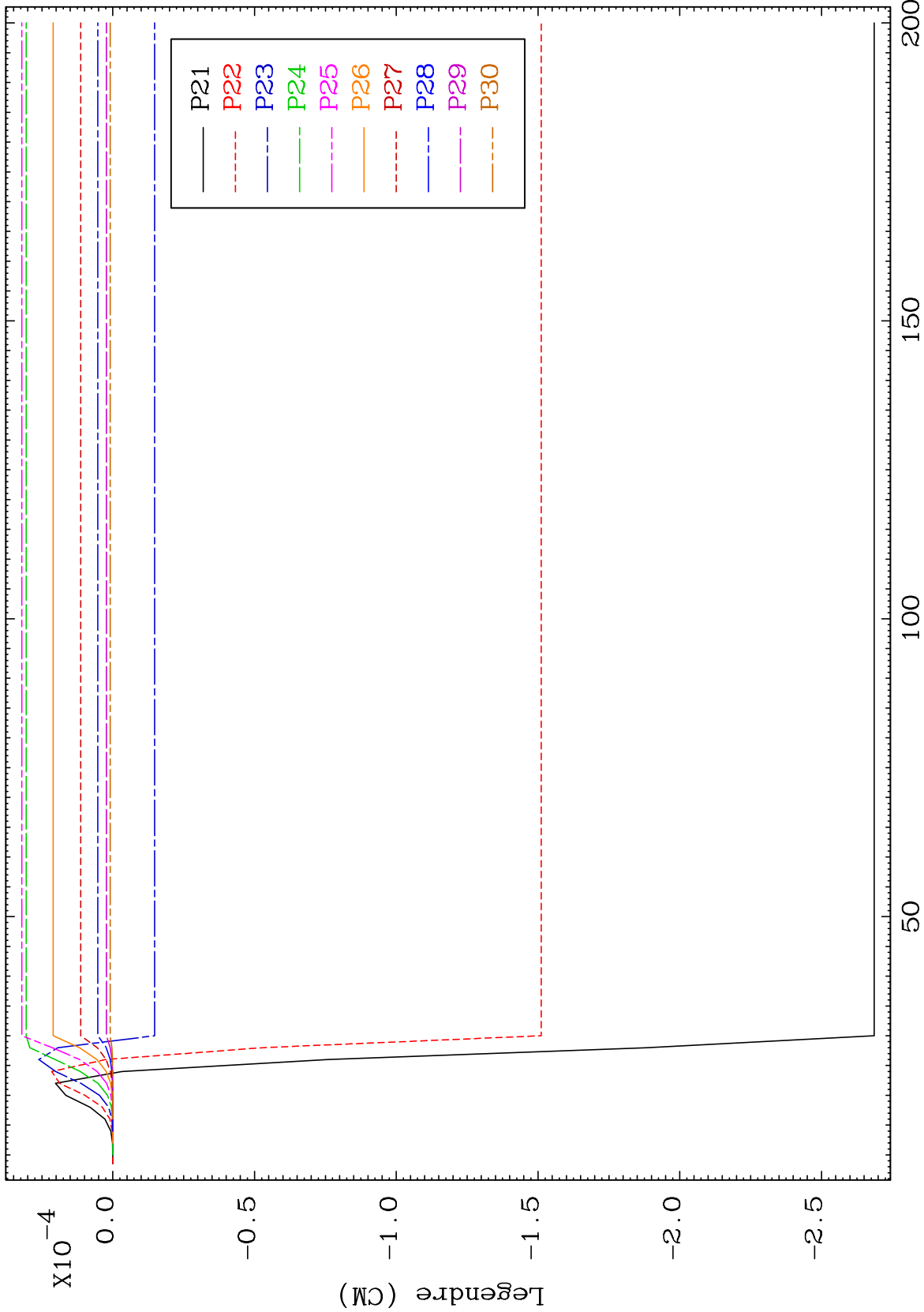
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



30

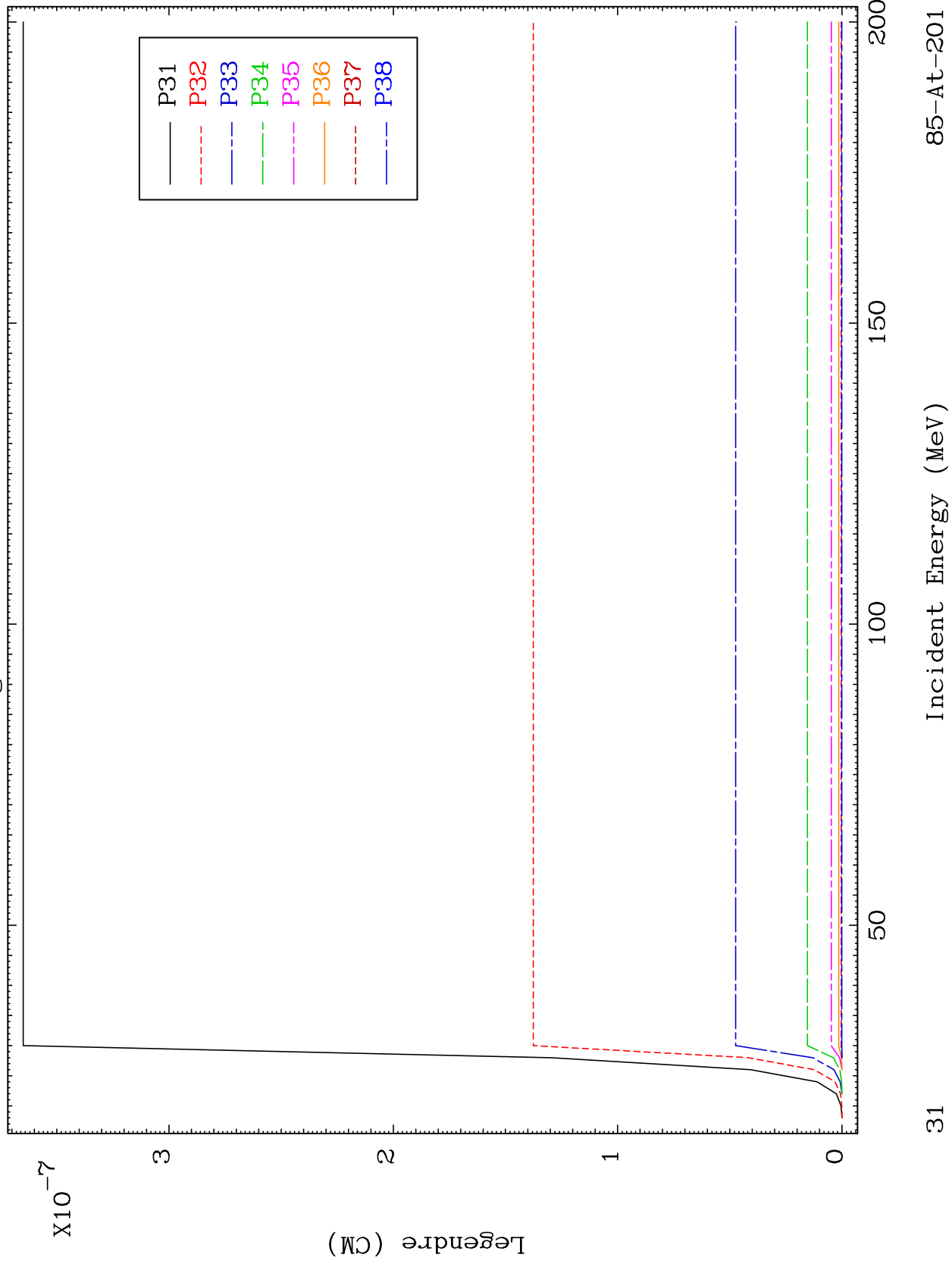
Incident Energy (MeV)

85-At-201

MAT 8519

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

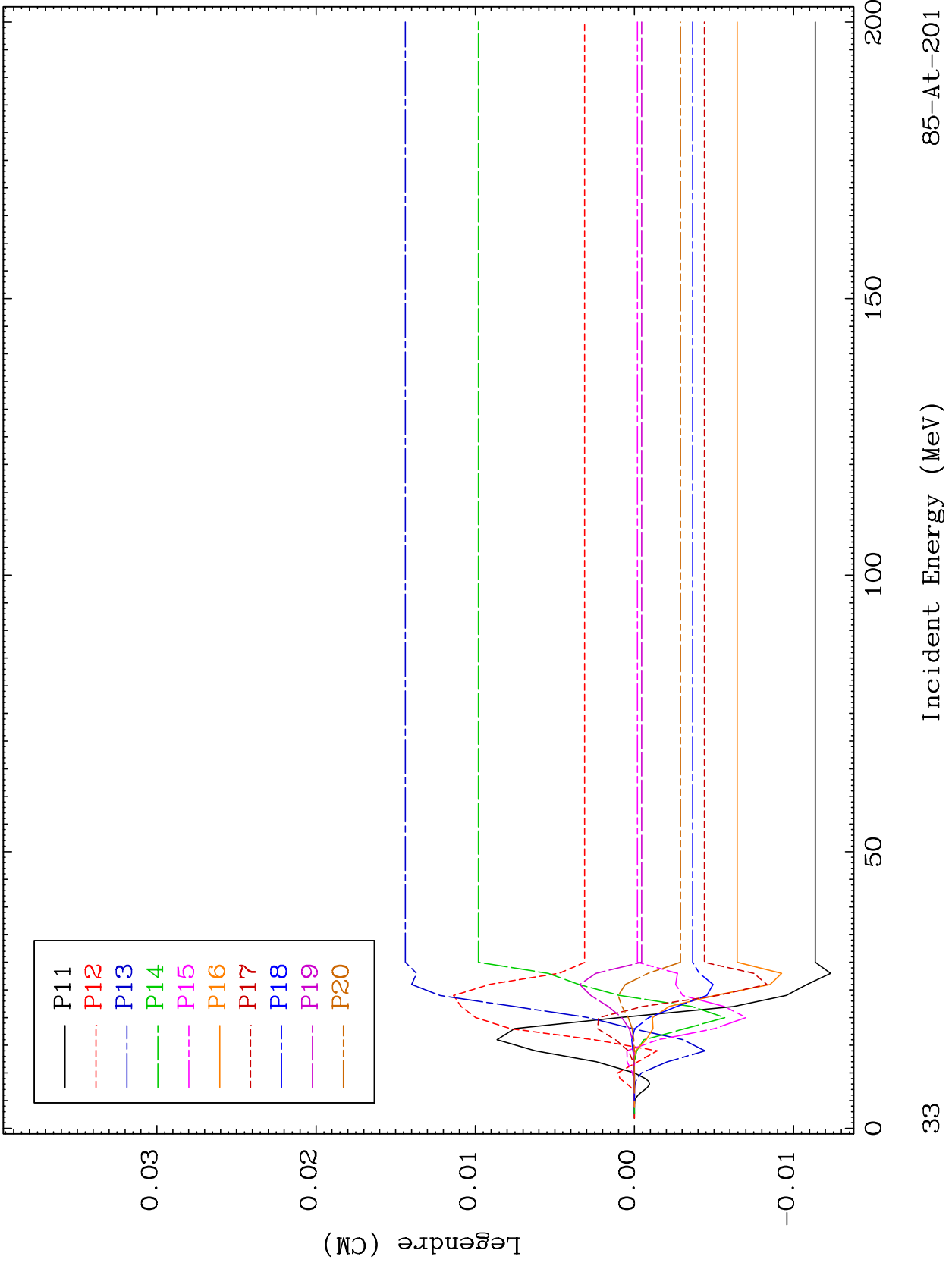
85-At-201



MAT 8519

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

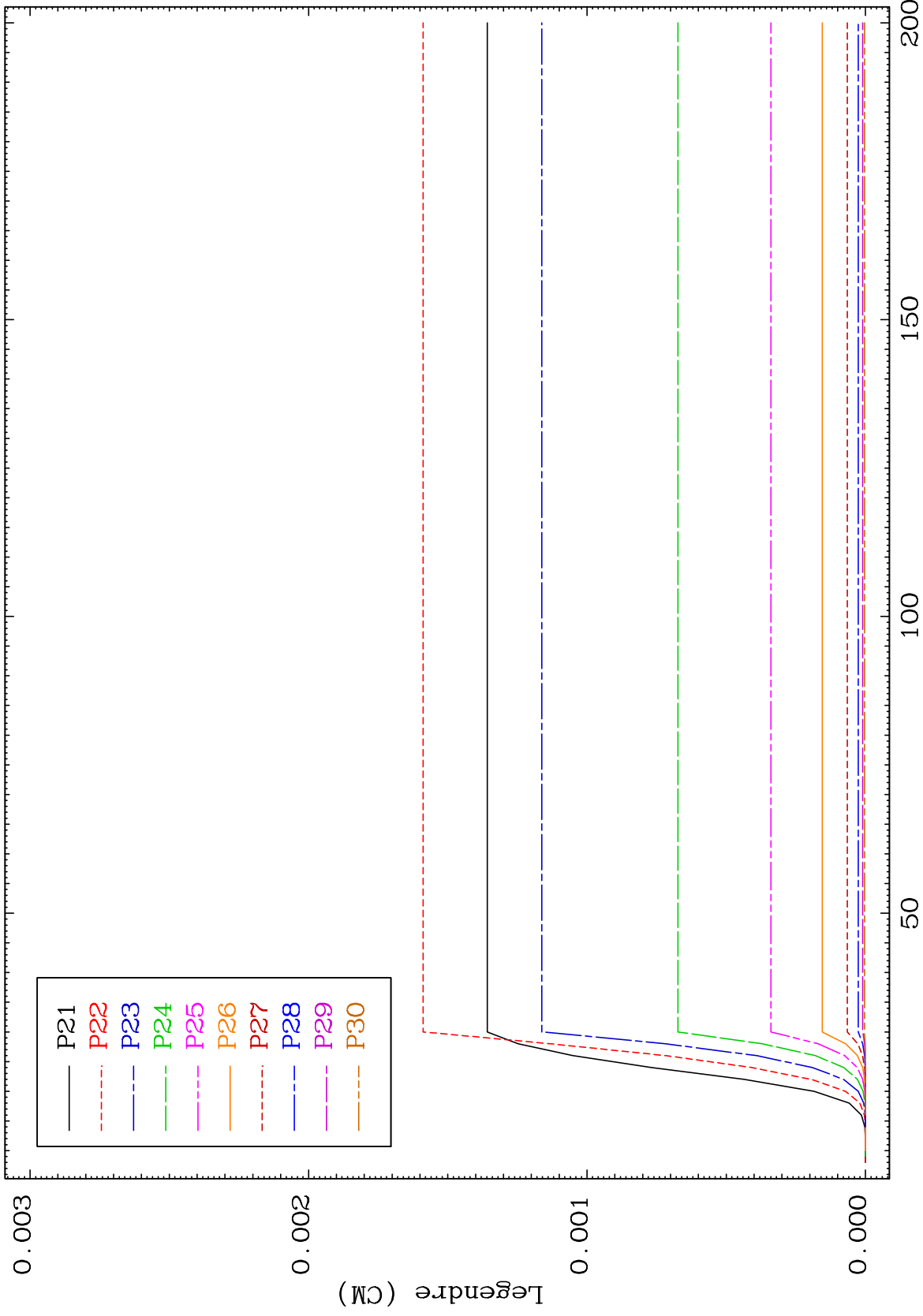
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MAT 8519

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

85-At-201



34

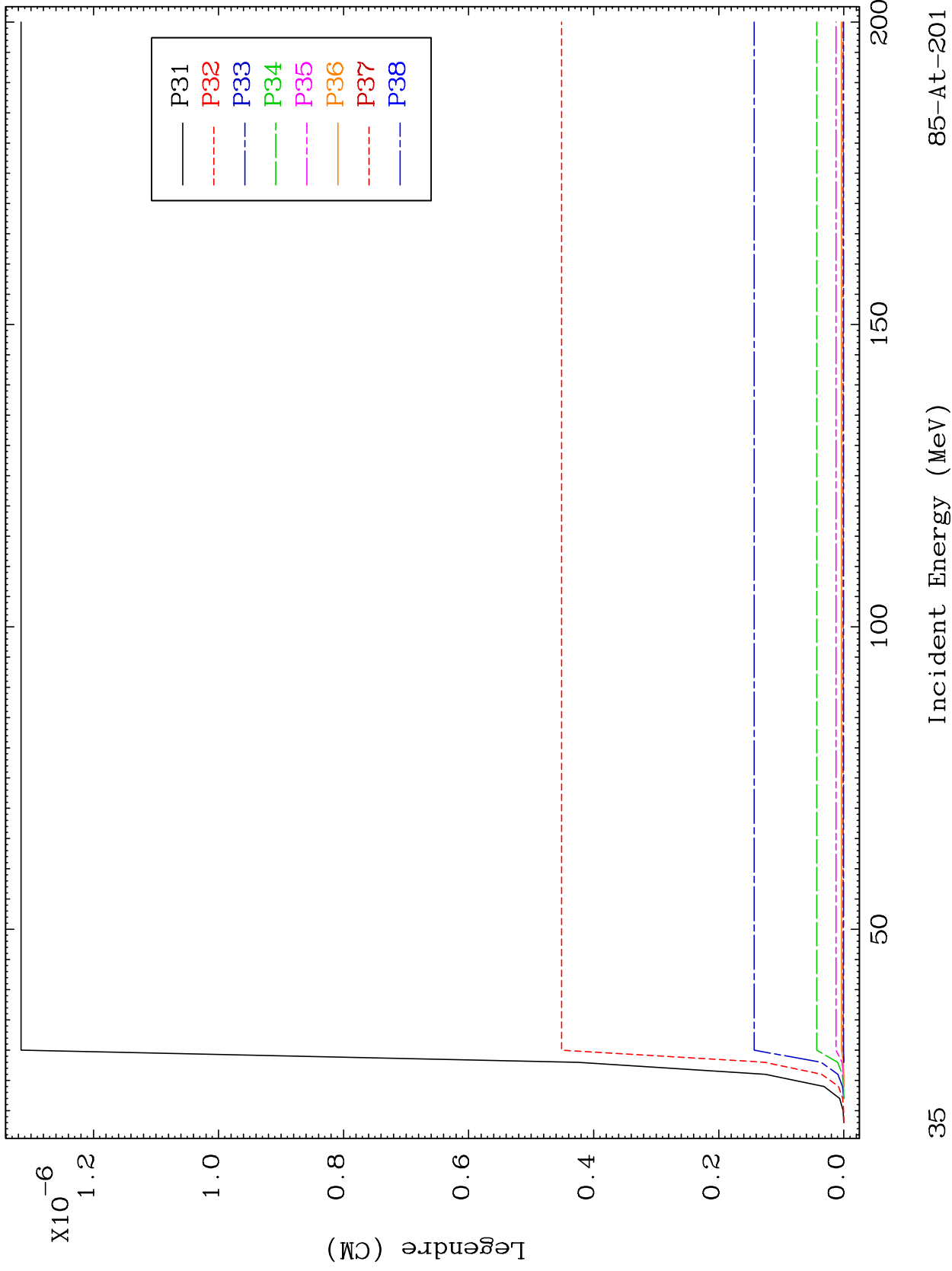
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



35

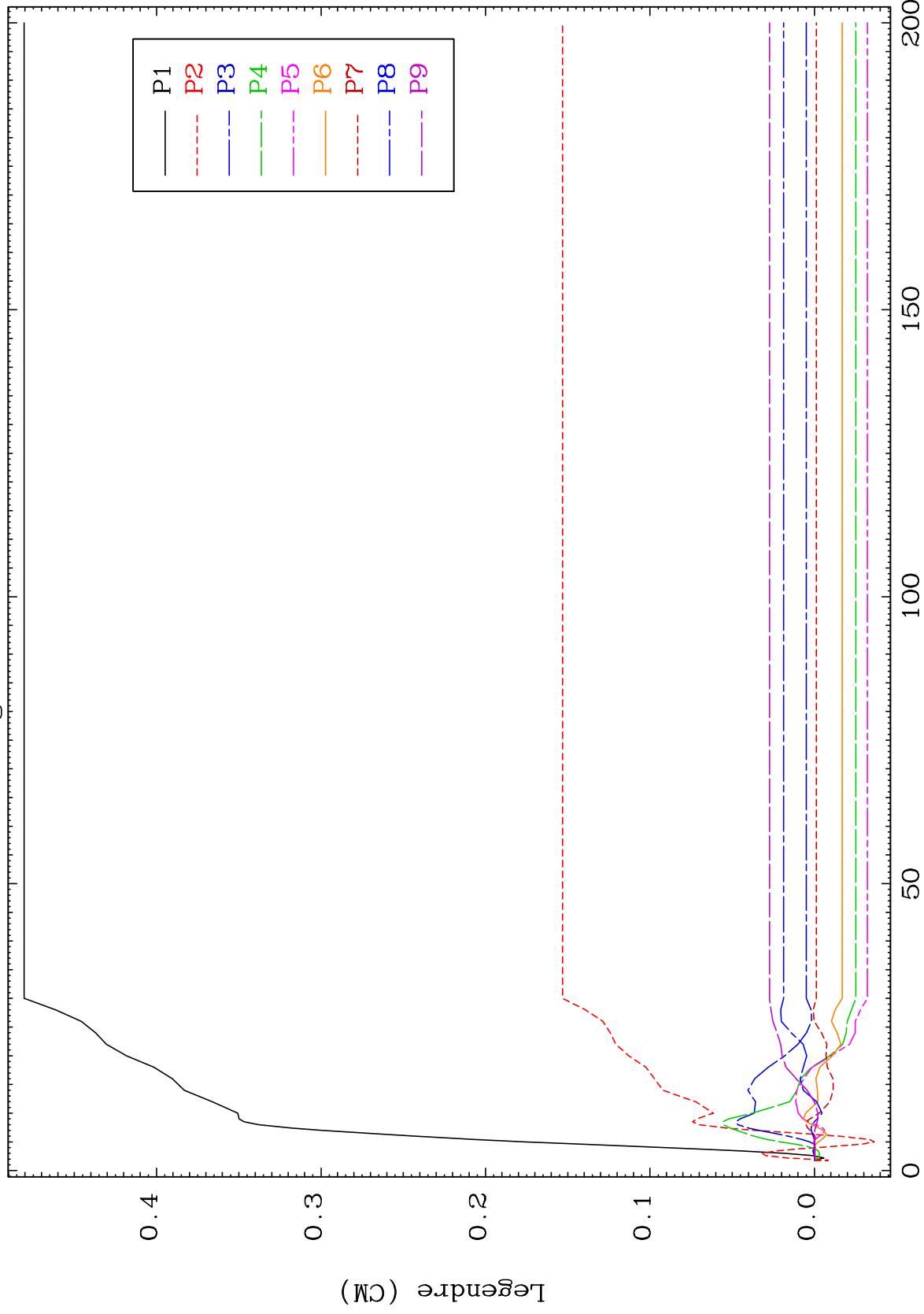
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



36

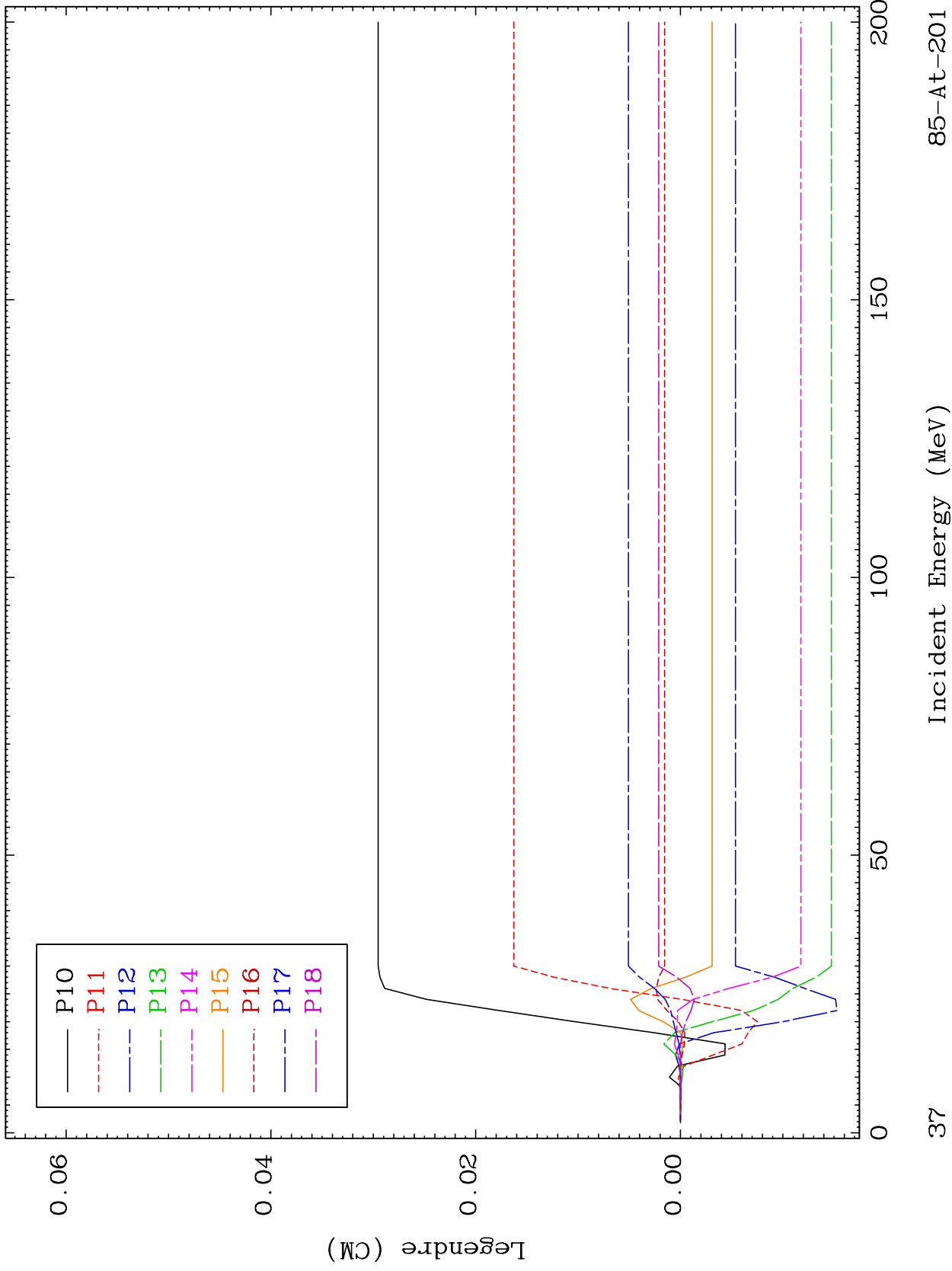
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



37

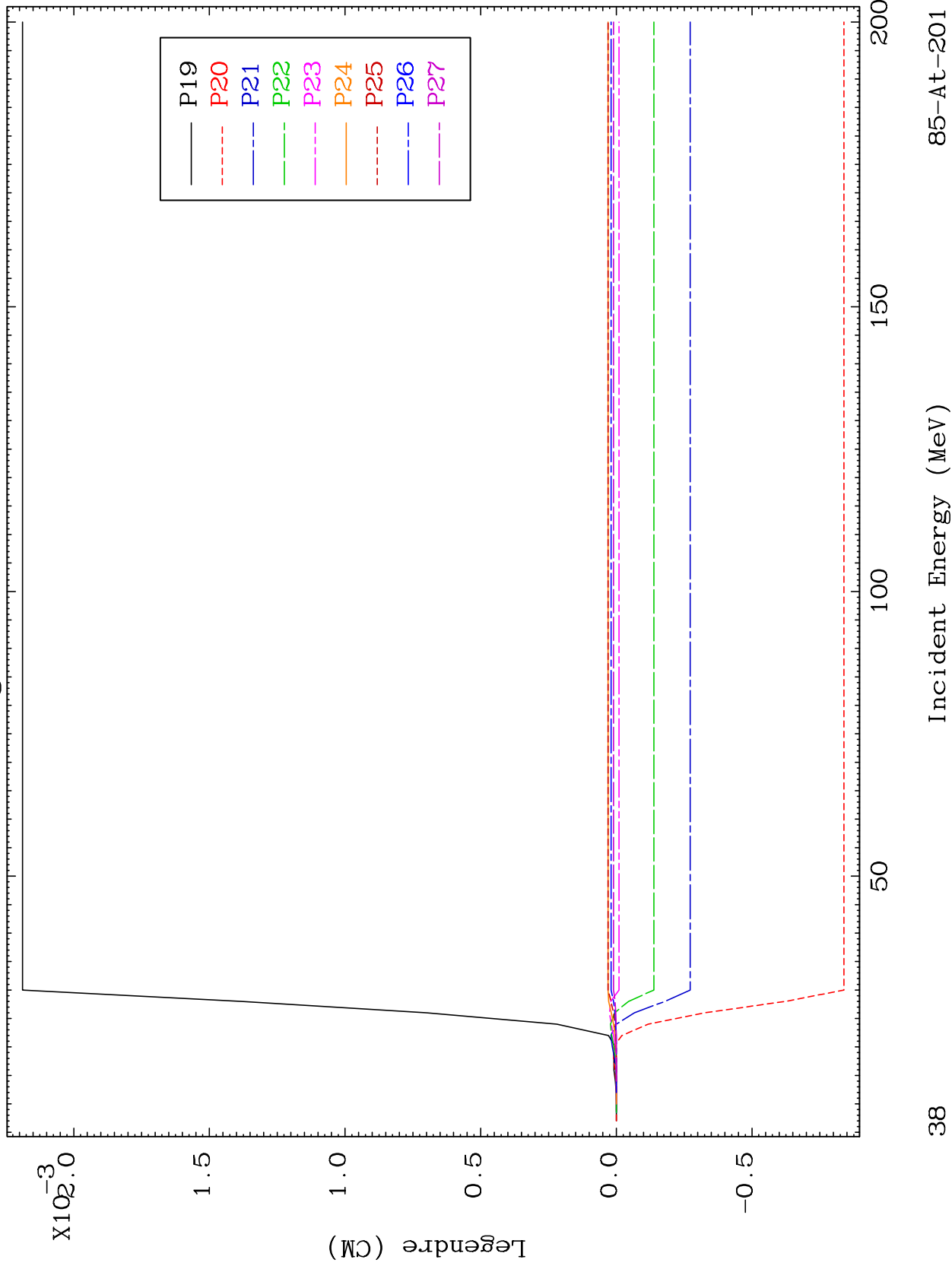
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



38

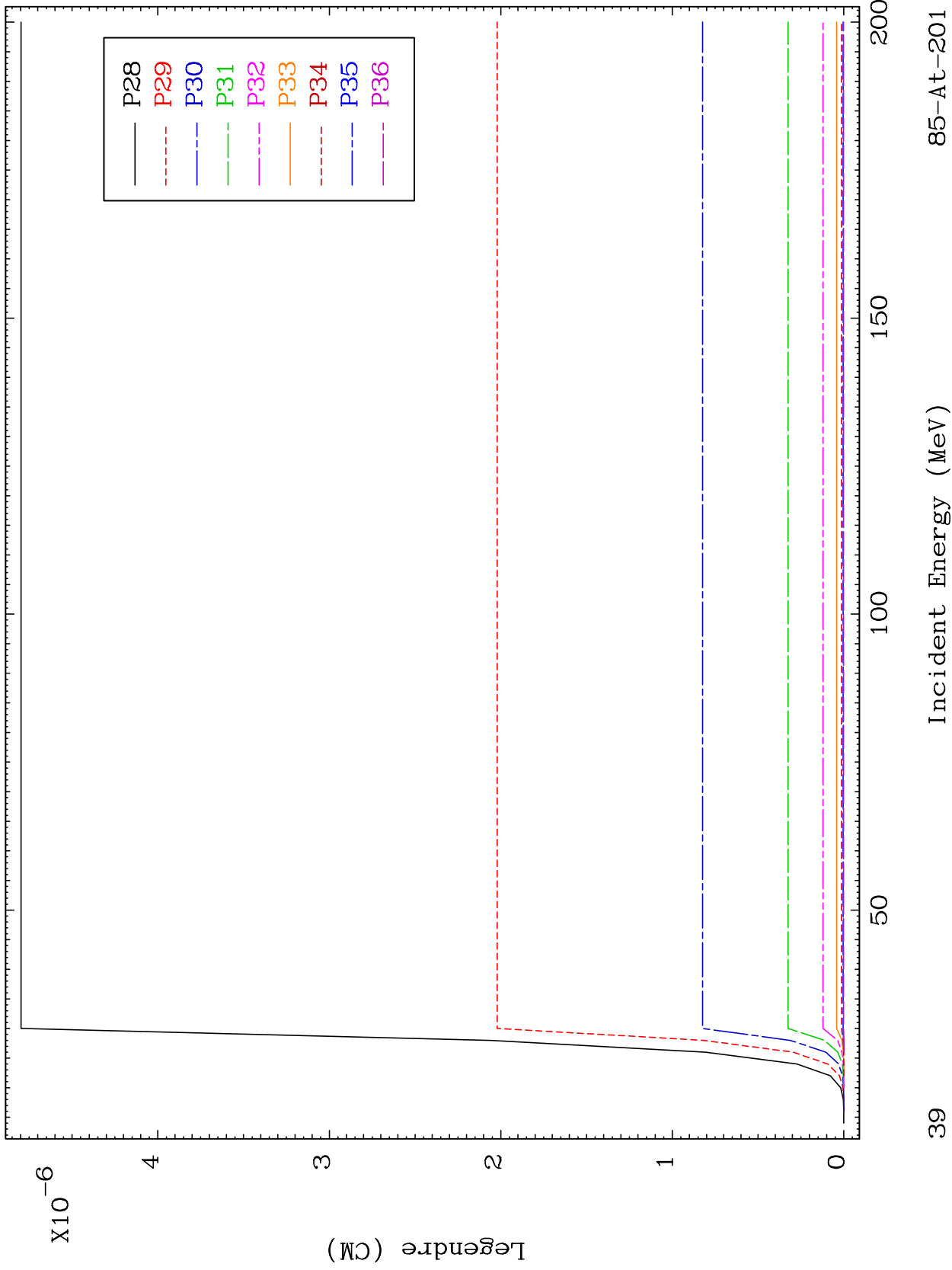
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



39

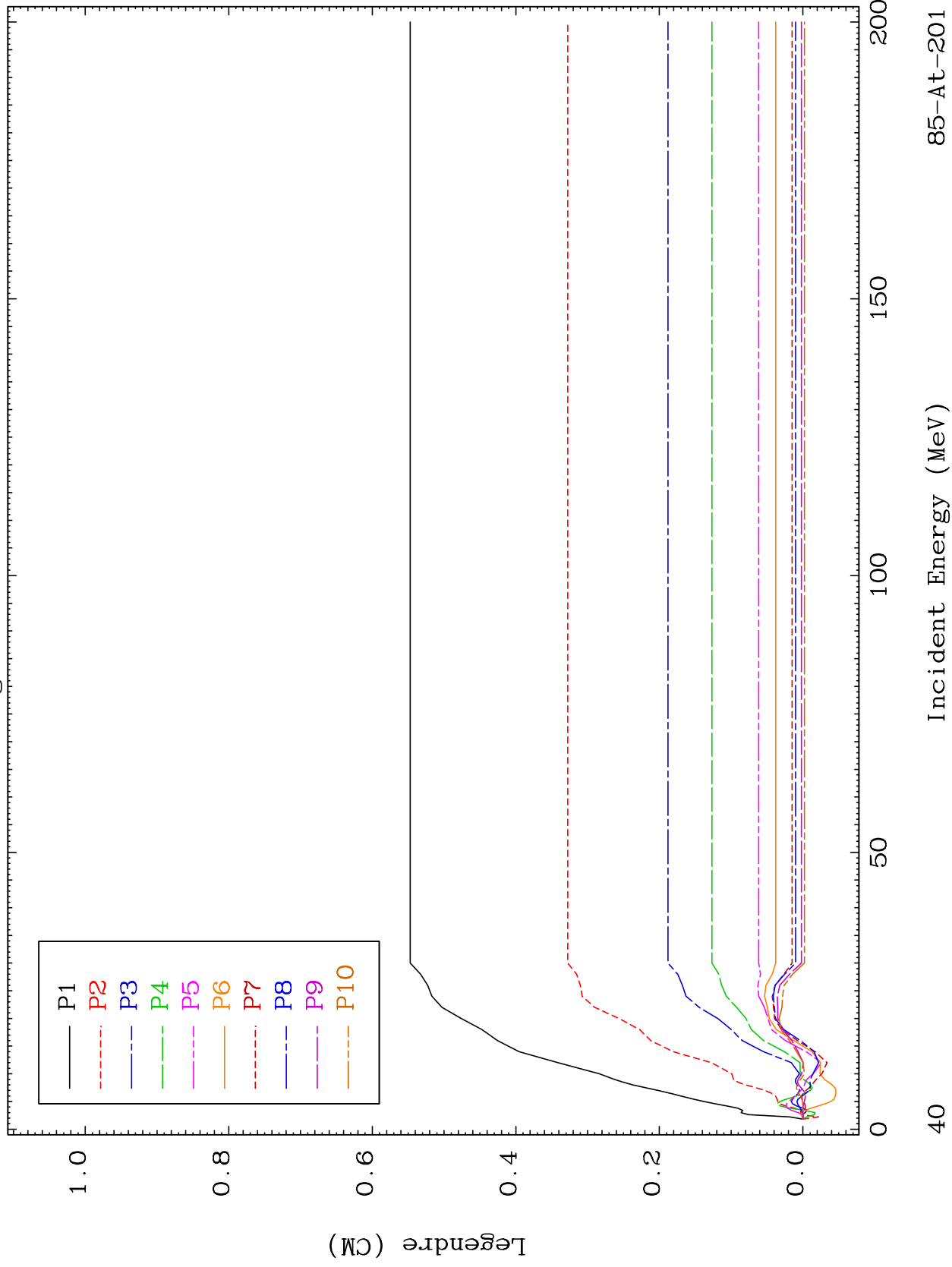
Incident Energy (MeV)

85-At-201

MAT 8519

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

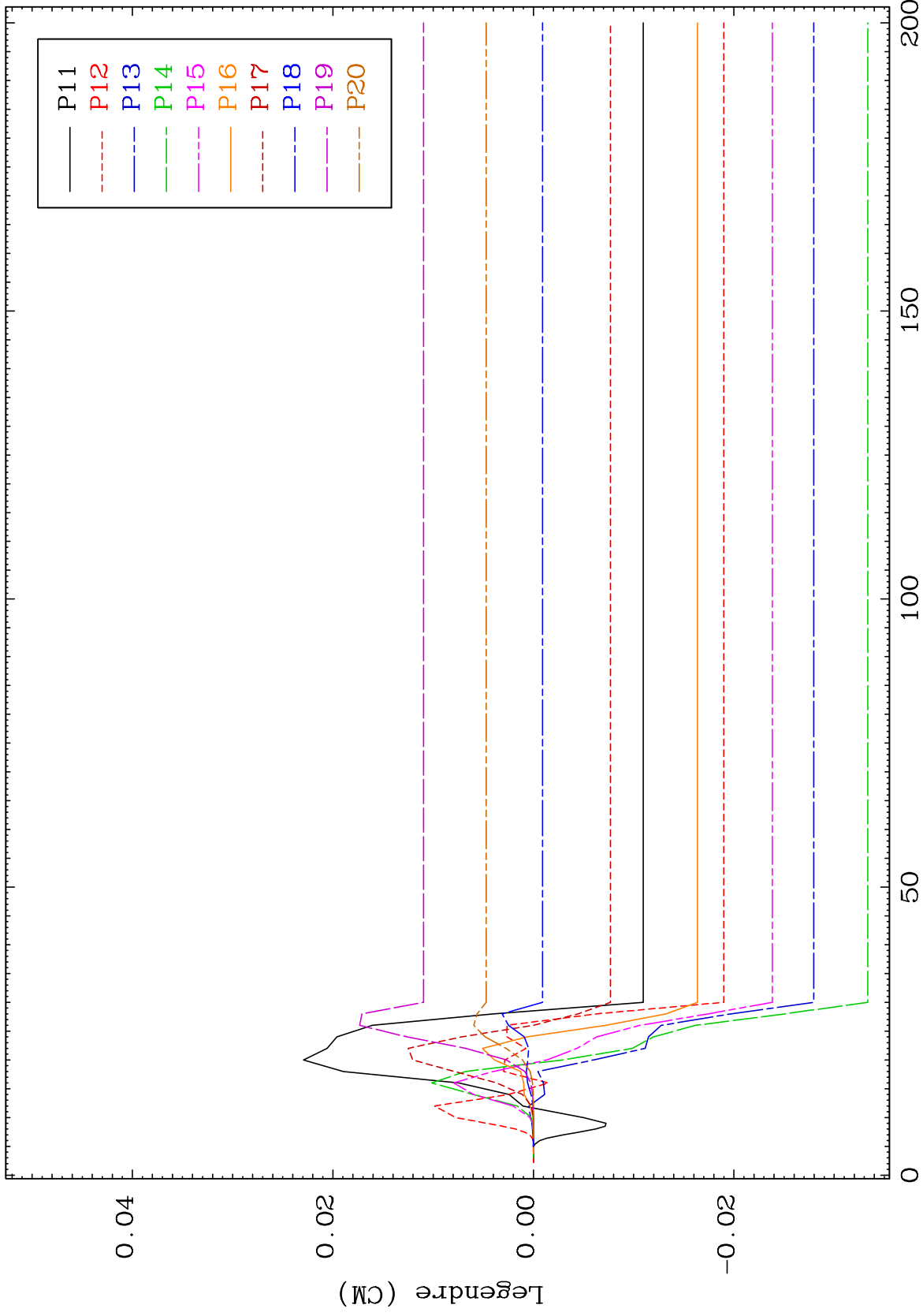
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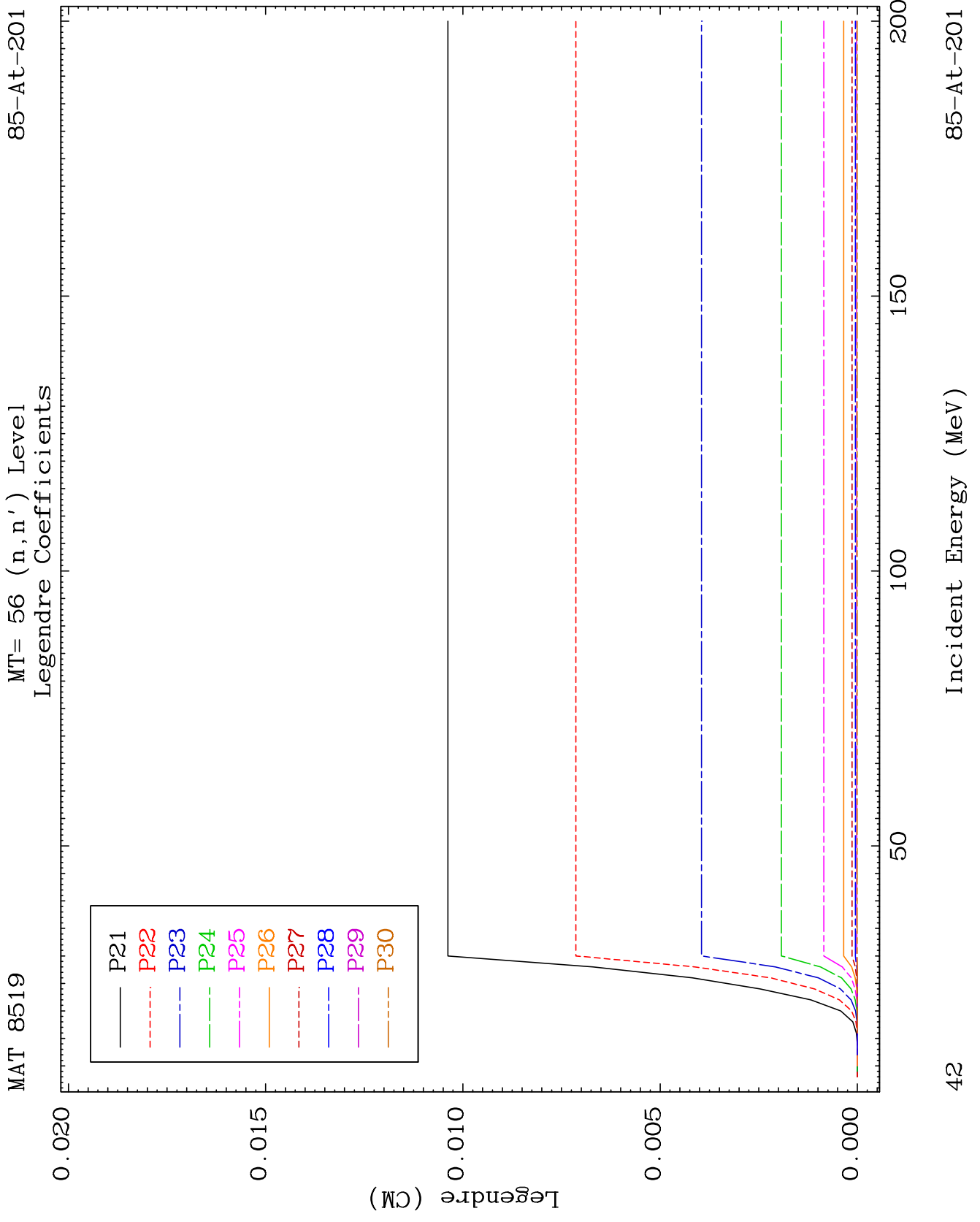


MAT 8519

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

85-At-201

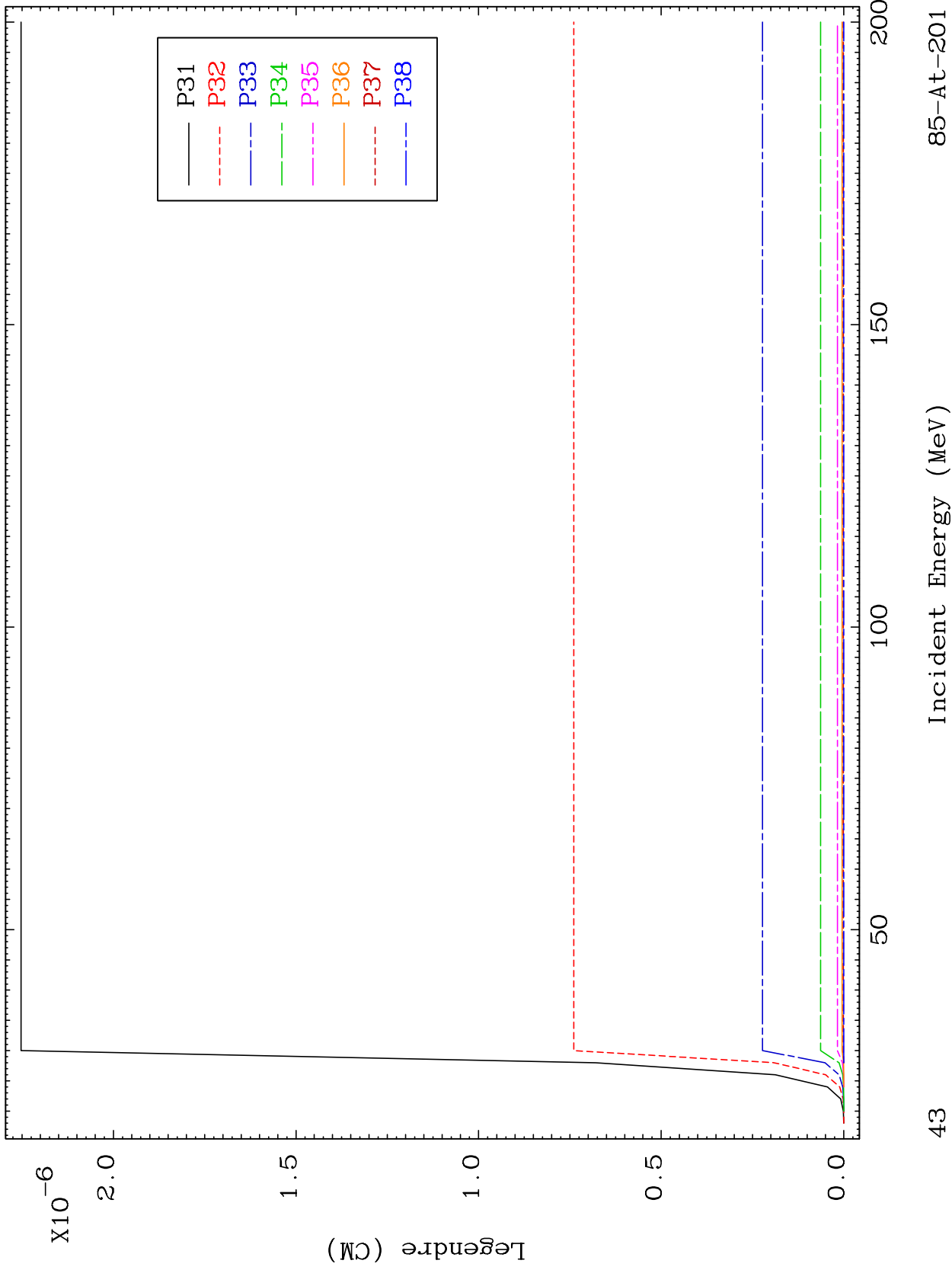




MAT 8519

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

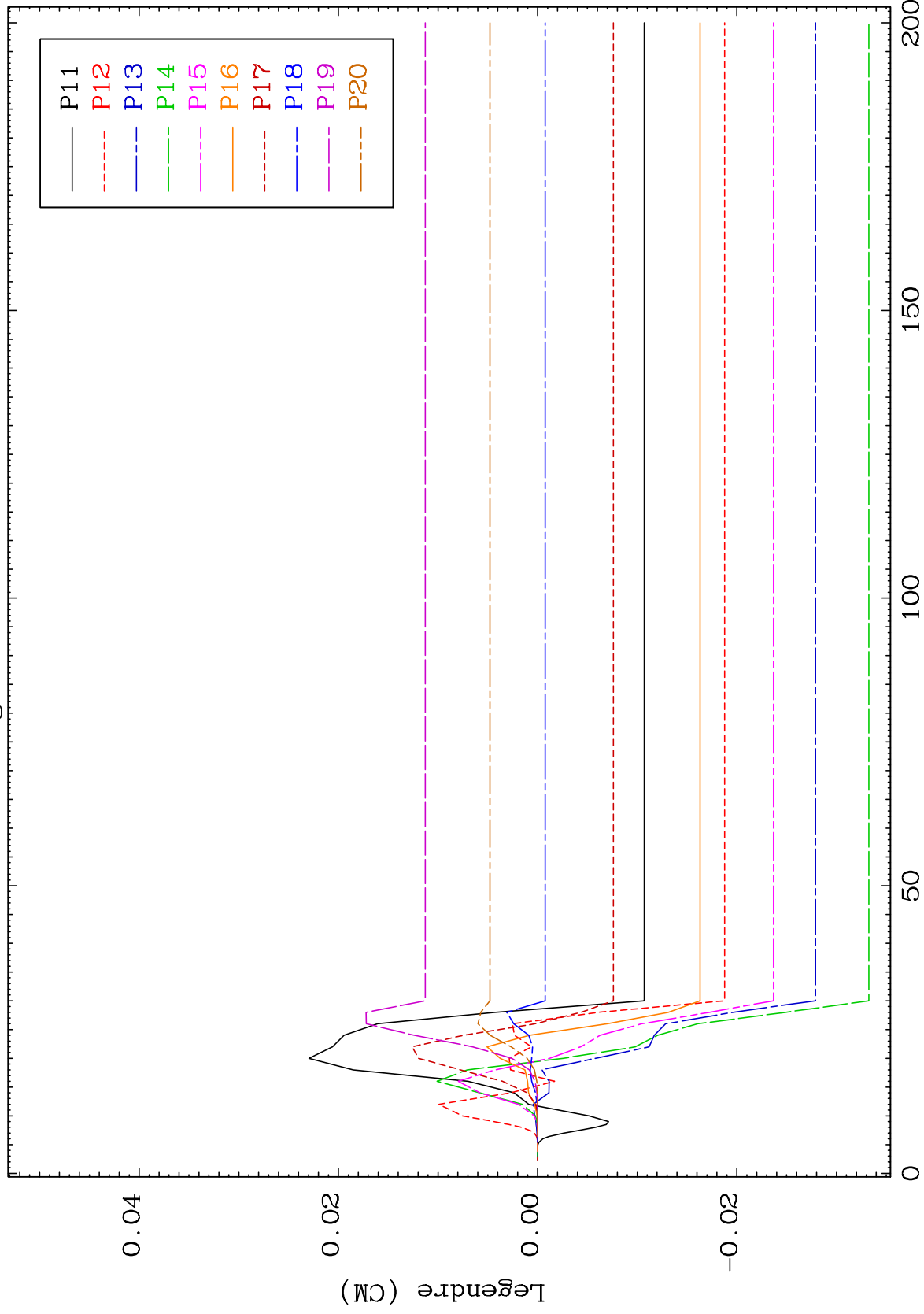
85-At-201



MAT 8519

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

85-At-201



45

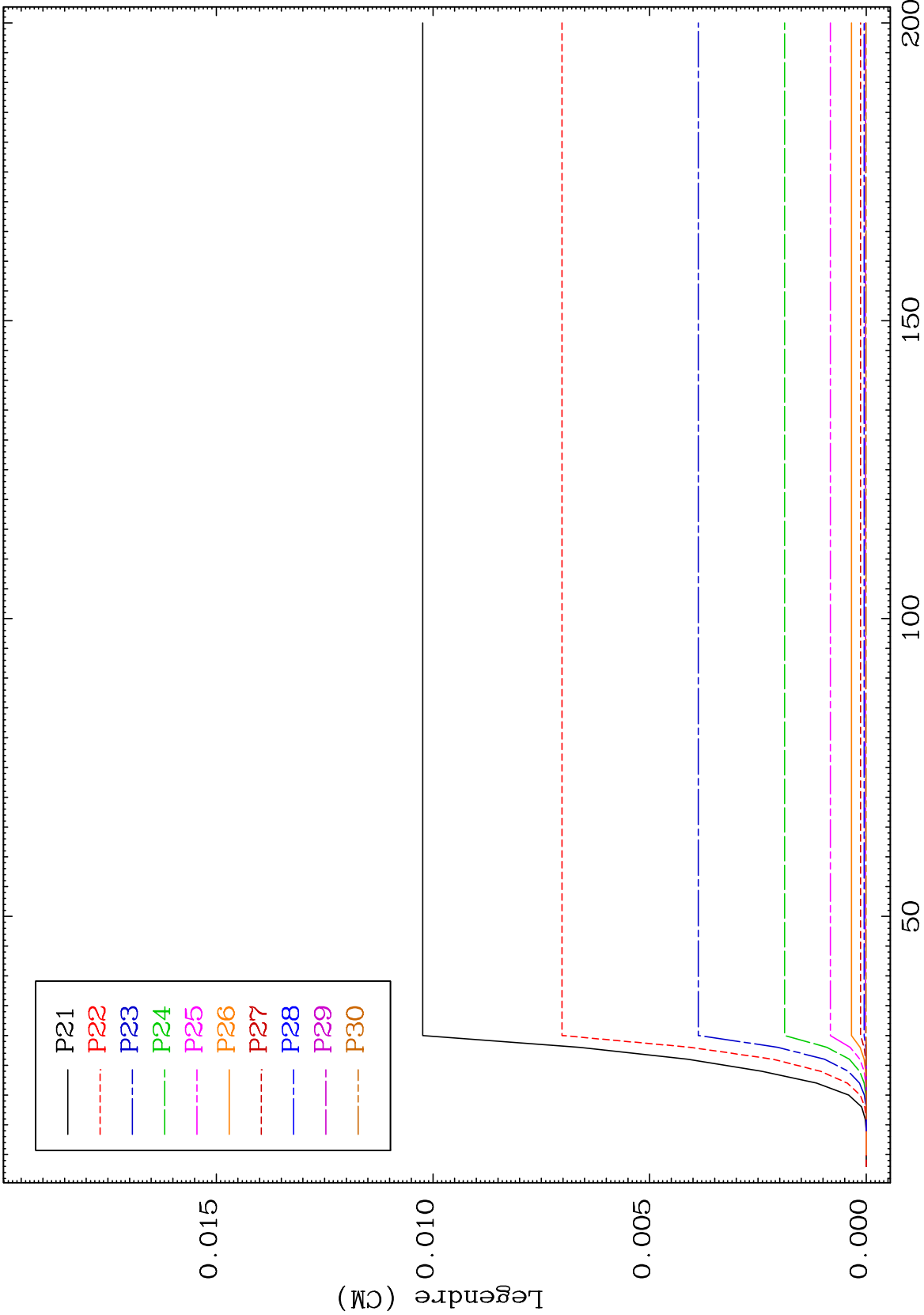
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



46

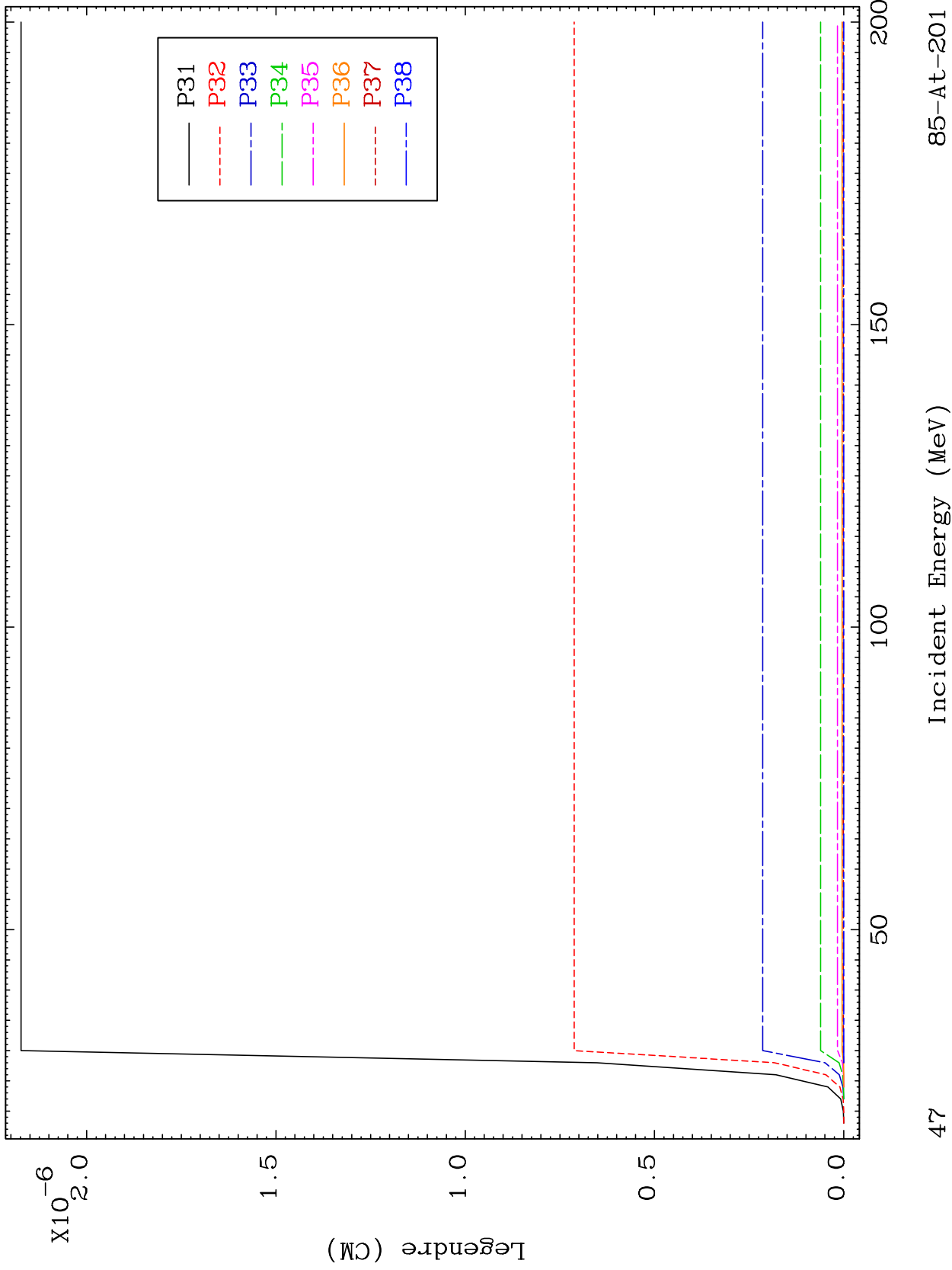
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201

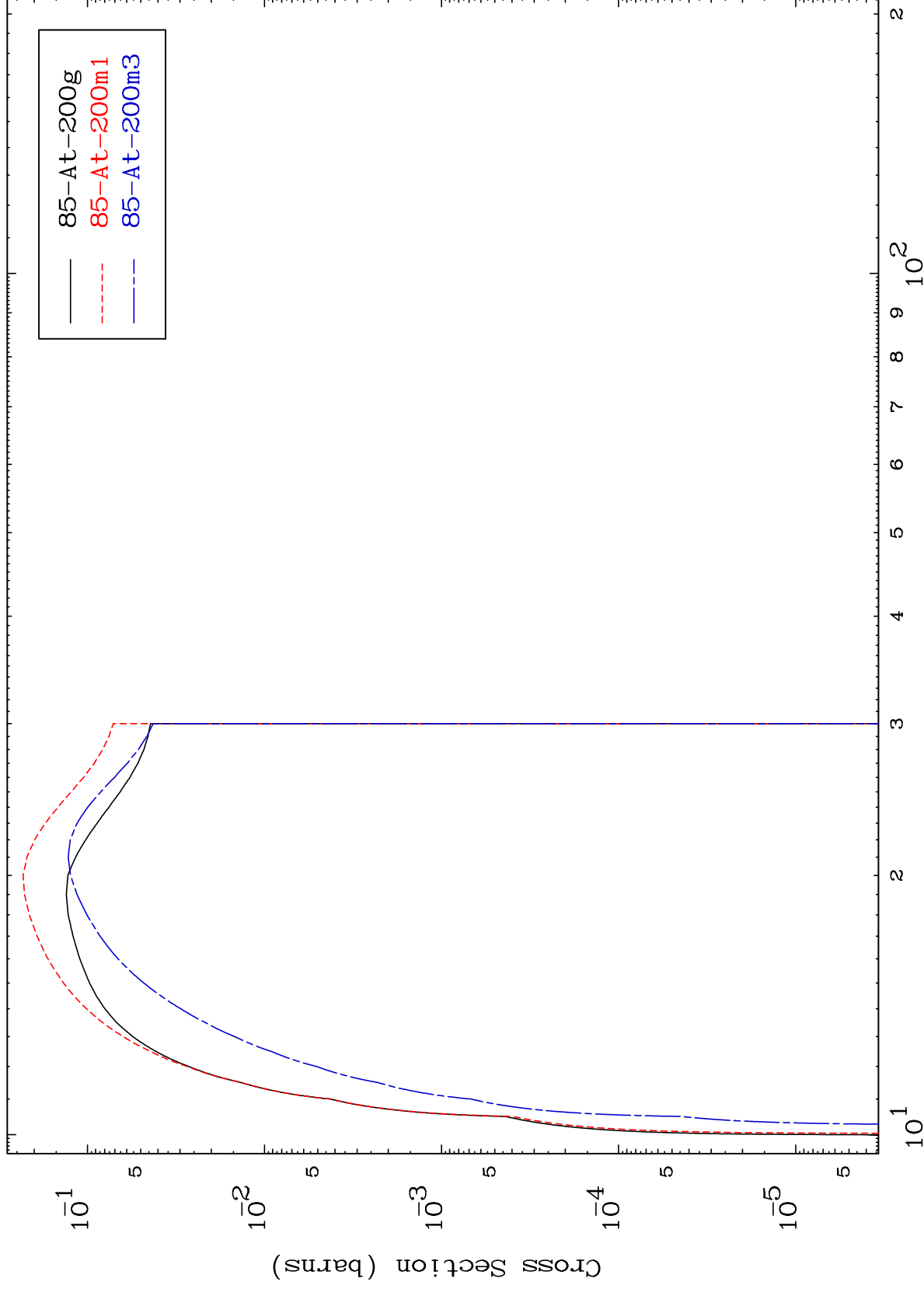


MAT 8519

(n,2n)

85-At-201

Radionuclide Production Cross Section



Incident Energy (MeV)

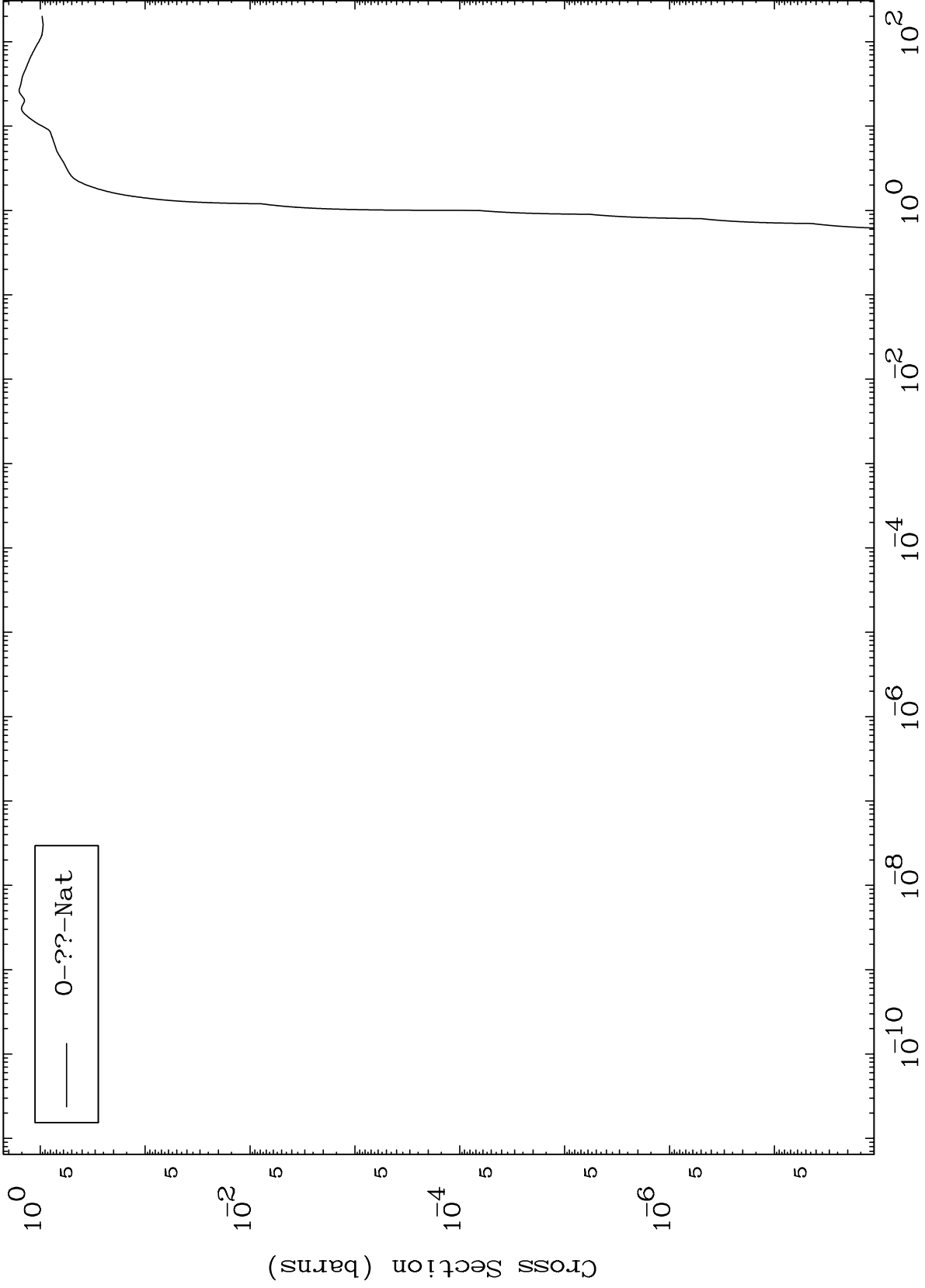
85-At-201

MAT 8519

Fission

85-At-201

Radionuclide Production Cross Section



49

Incident Energy (MeV)

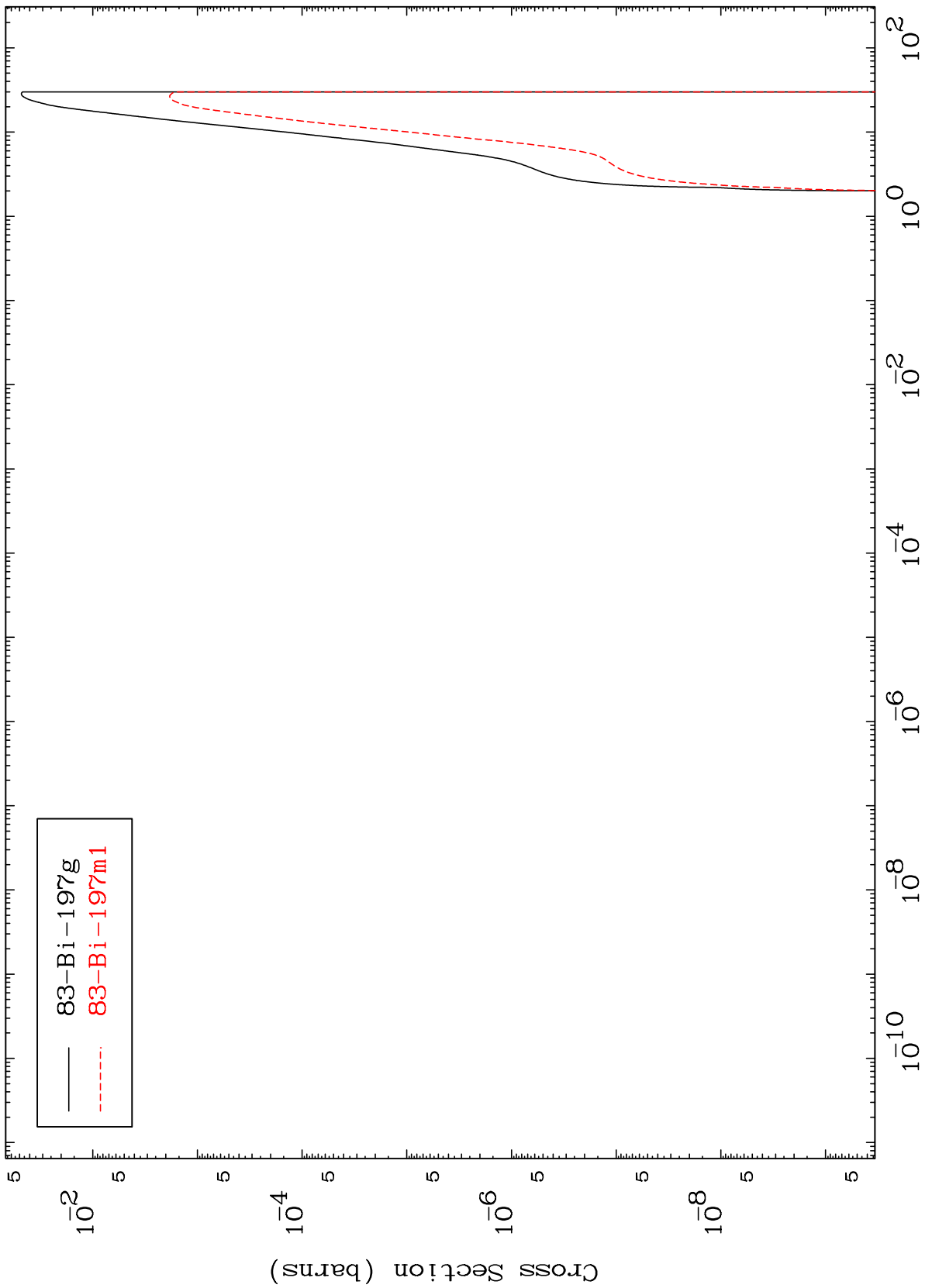
85-At-201

MAT 8519

(n,n') α

85-At-201

Radionuclide Production Cross Section



50

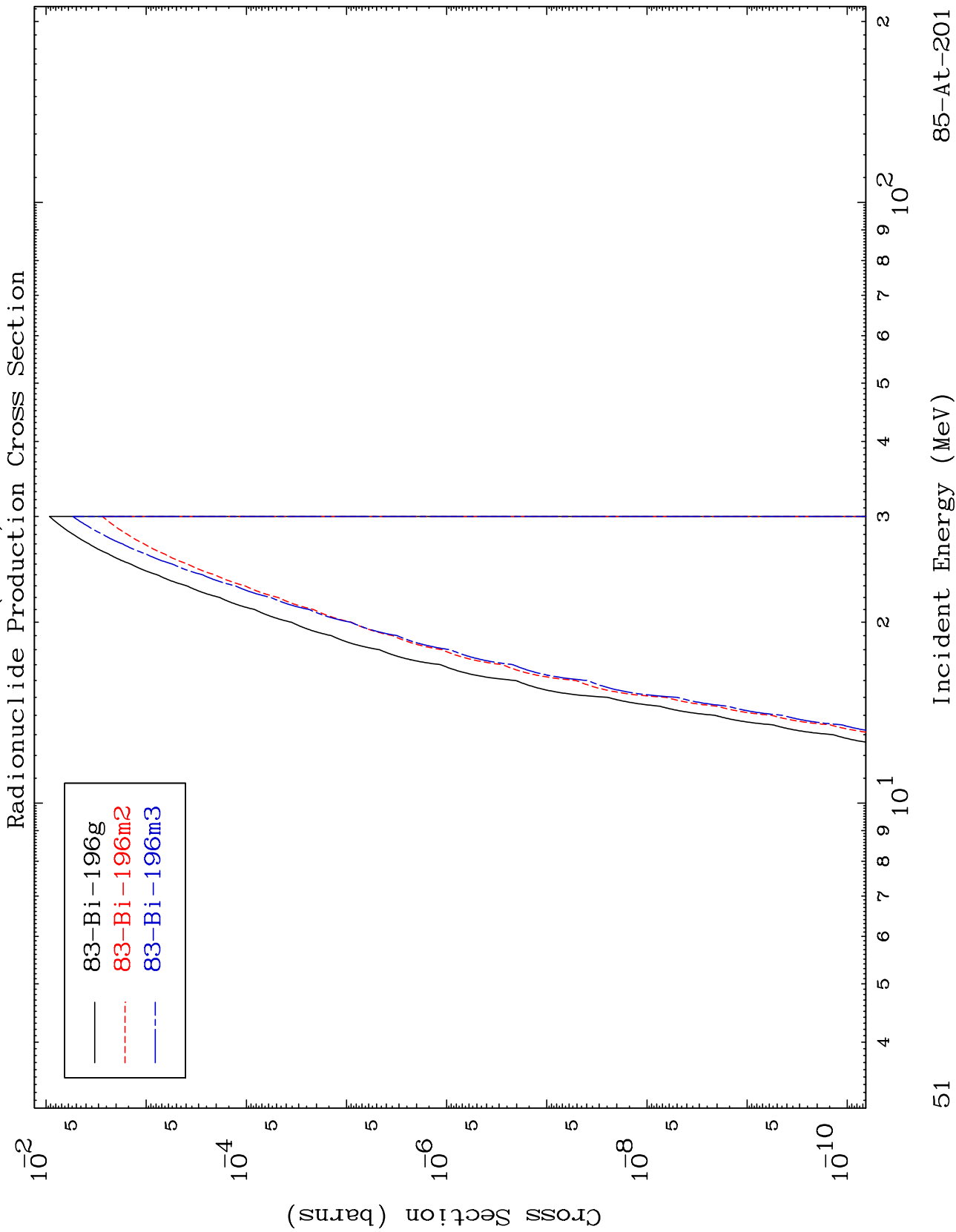
Incident Energy (MeV)

85-At-201

MAT 8519

(n,2n) α

85-At-201

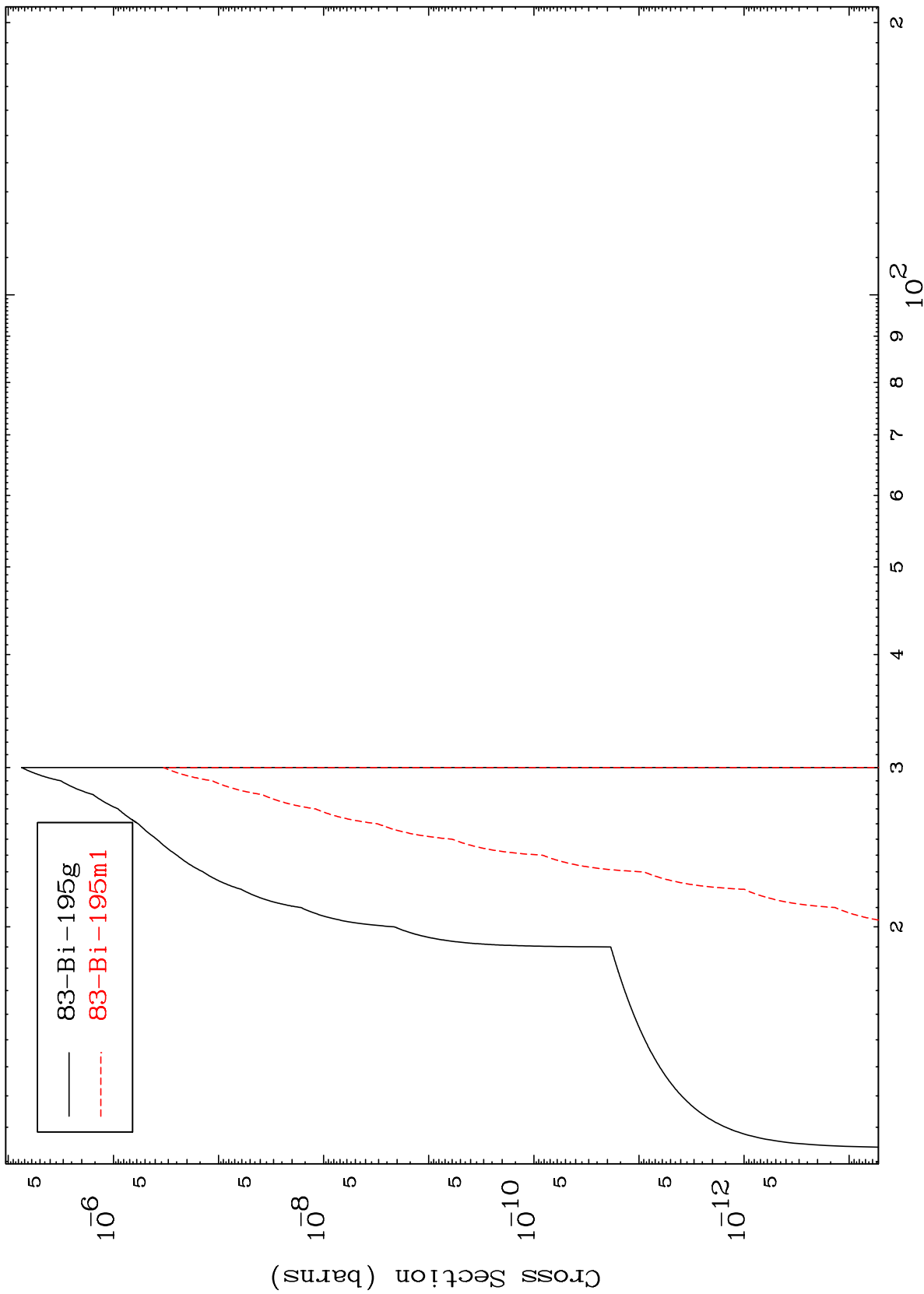


MAT 8519

(n,3n) α

85-At-201

Radionuclide Production Cross Section



52

Incident Energy (MeV)

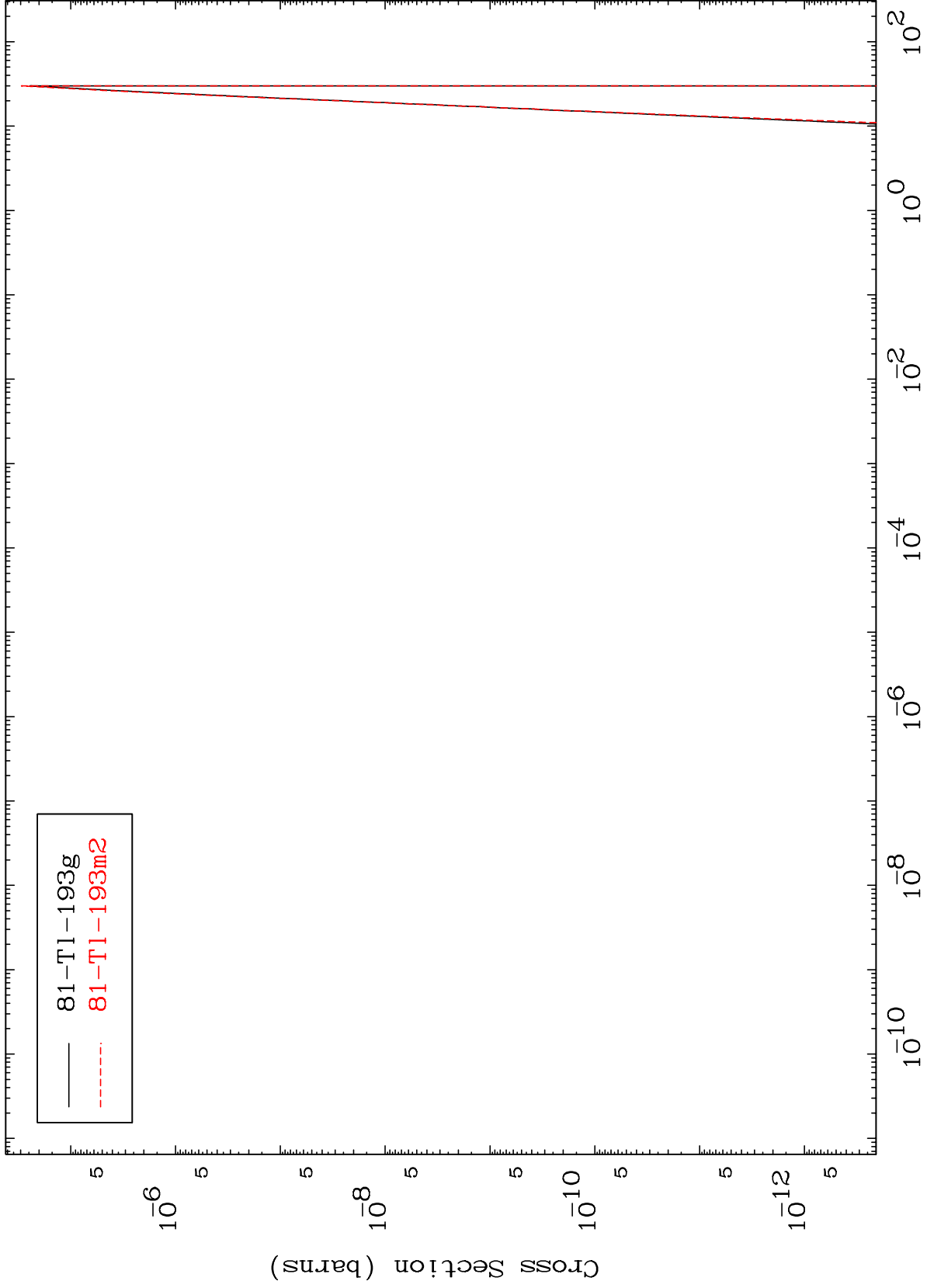
85-At-201

MAT 8519

(n,n') 2α

85-At-201

Radionuclide Production Cross Section



53

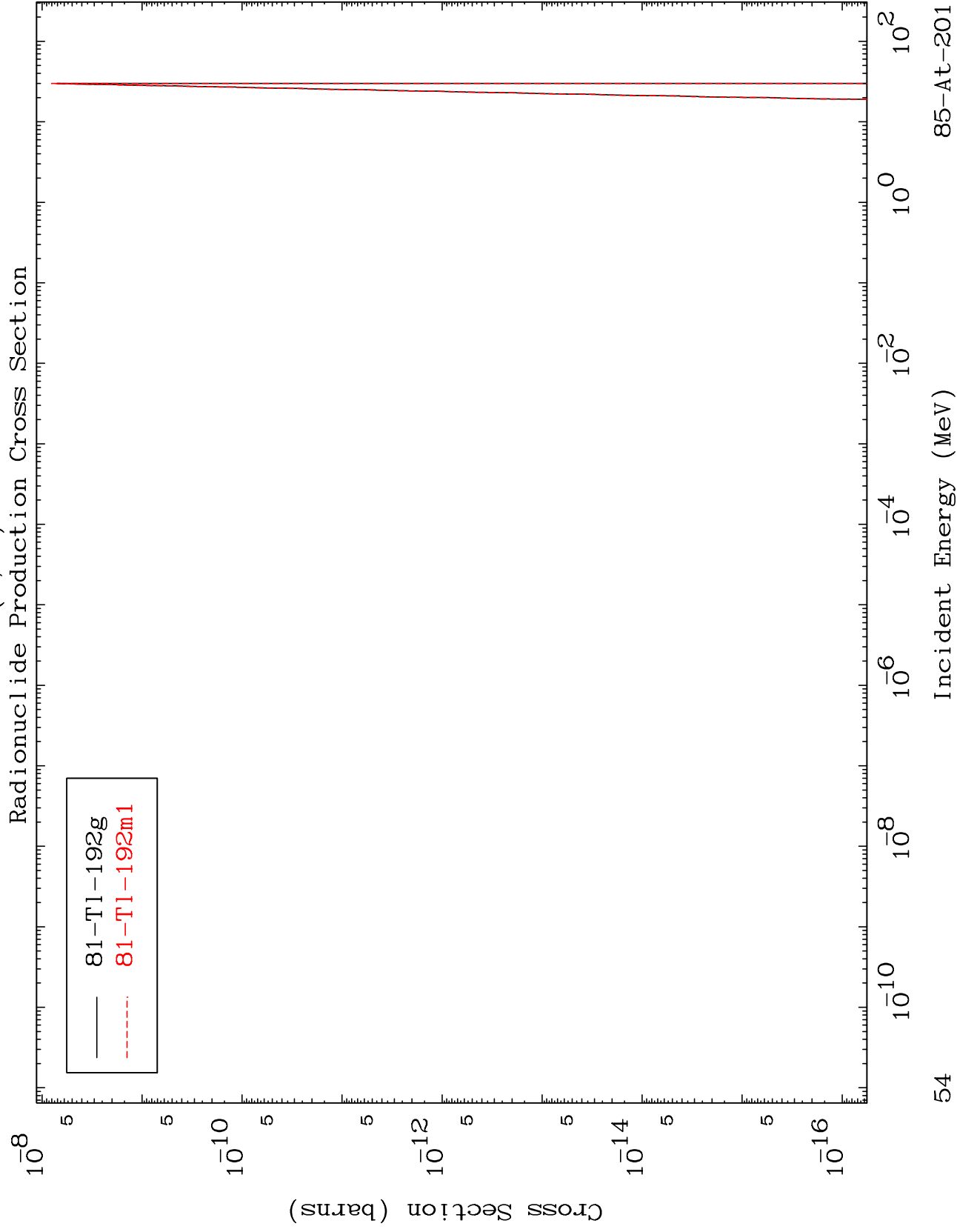
Incident Energy (MeV)

85-At-201

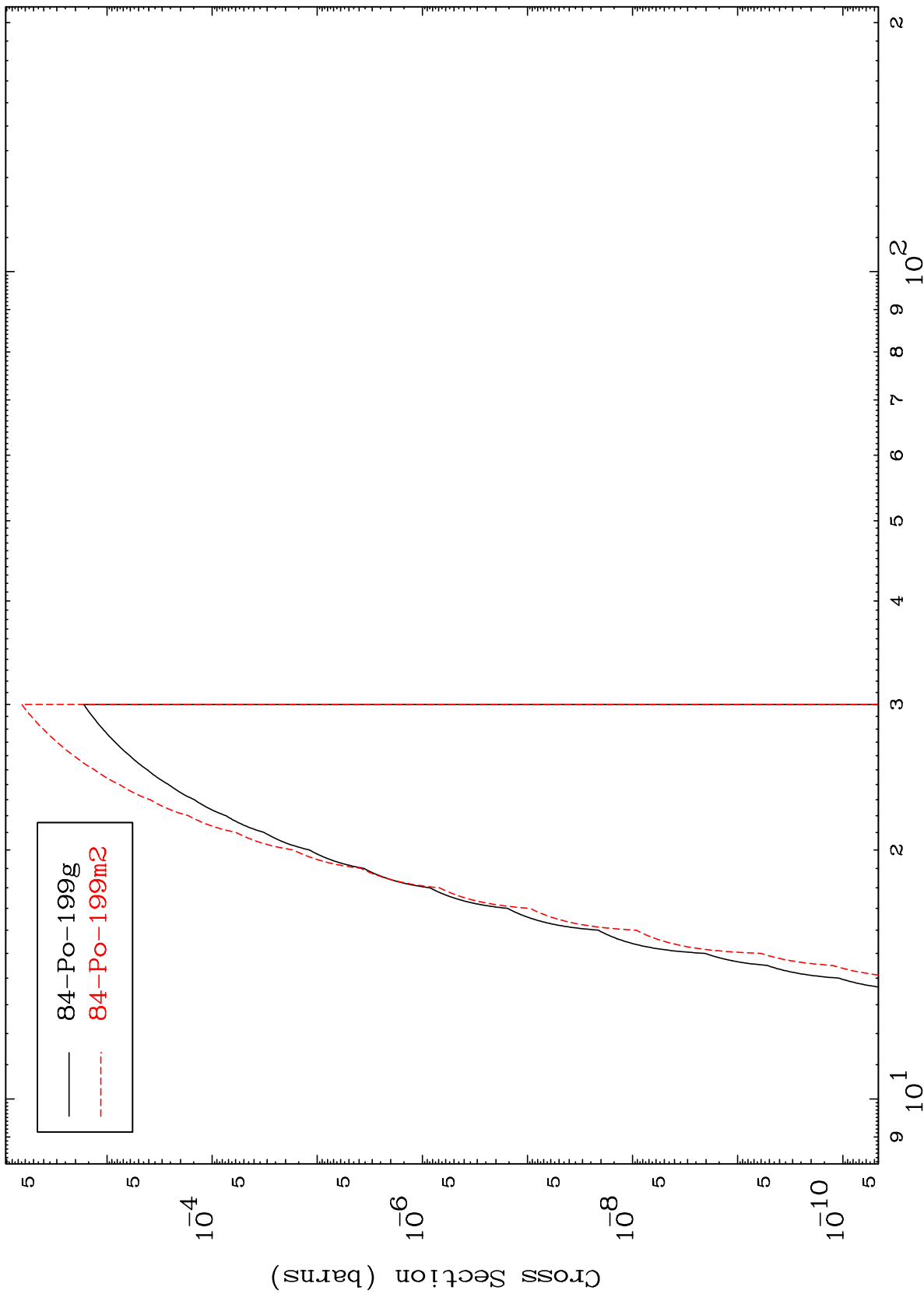
MAT 8519

(n,2n) 2α

85-At-201



(n,n') d
Radionuclide Production Cross Section

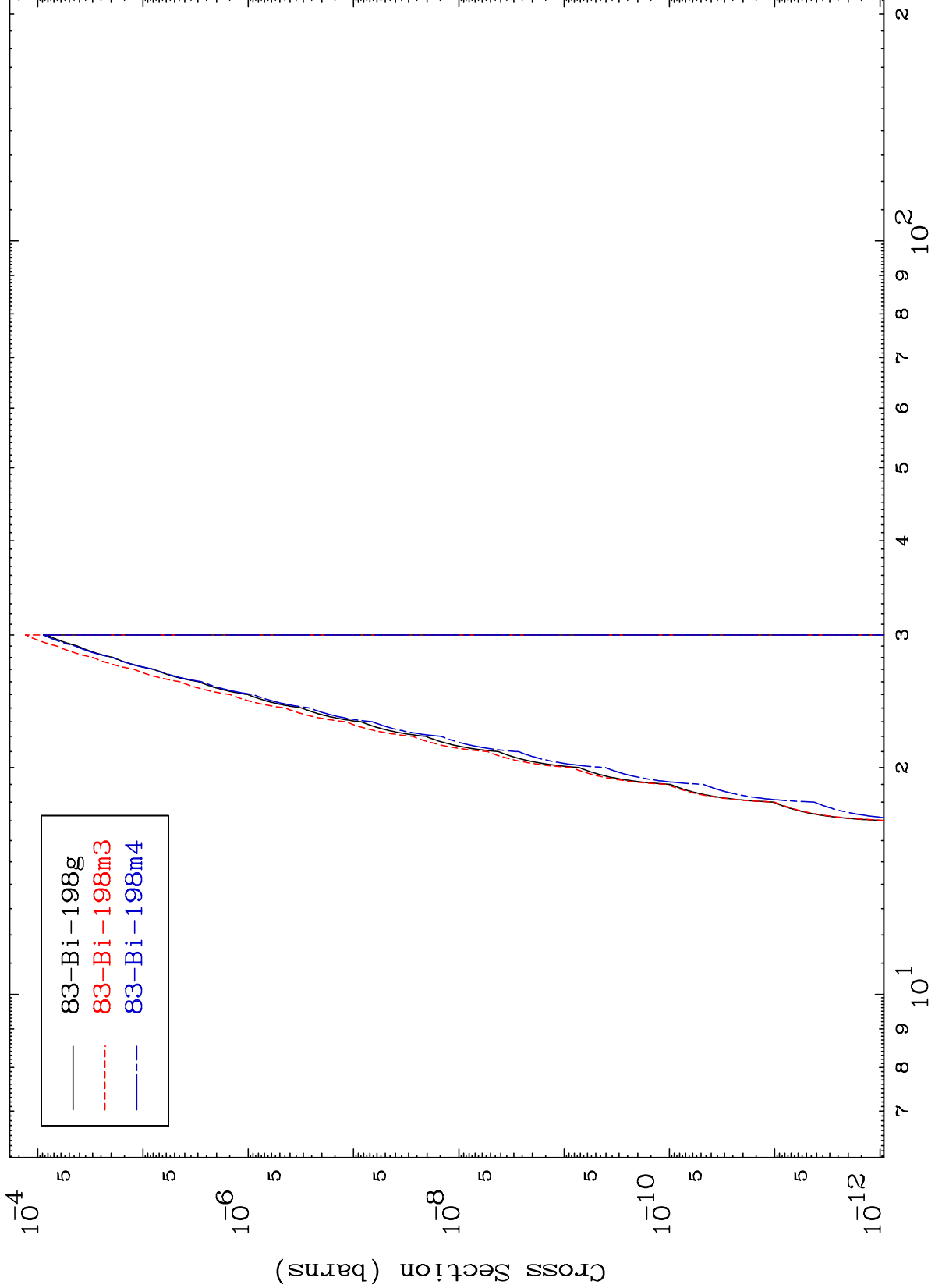


MAT 8519

(n,n') He-3

85-At-201

Radionuclide Production Cross Section



83-Bi-198g
83-Bi-198m3
83-Bi-198m4

56

Incident Energy (MeV)

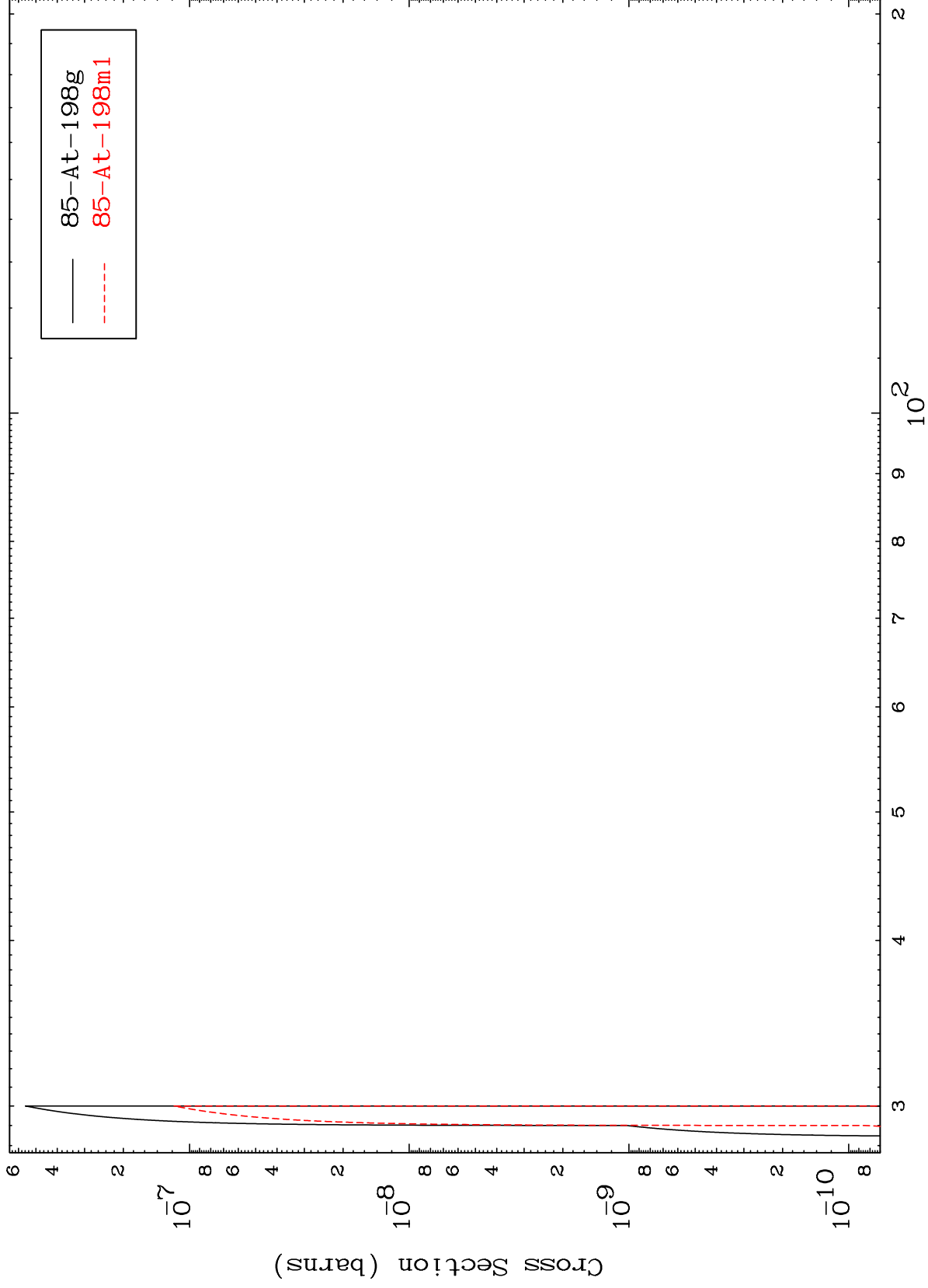
85-At-201

MAT 8519

(n,4n)

85-At-201

Radionuclide Production Cross Section

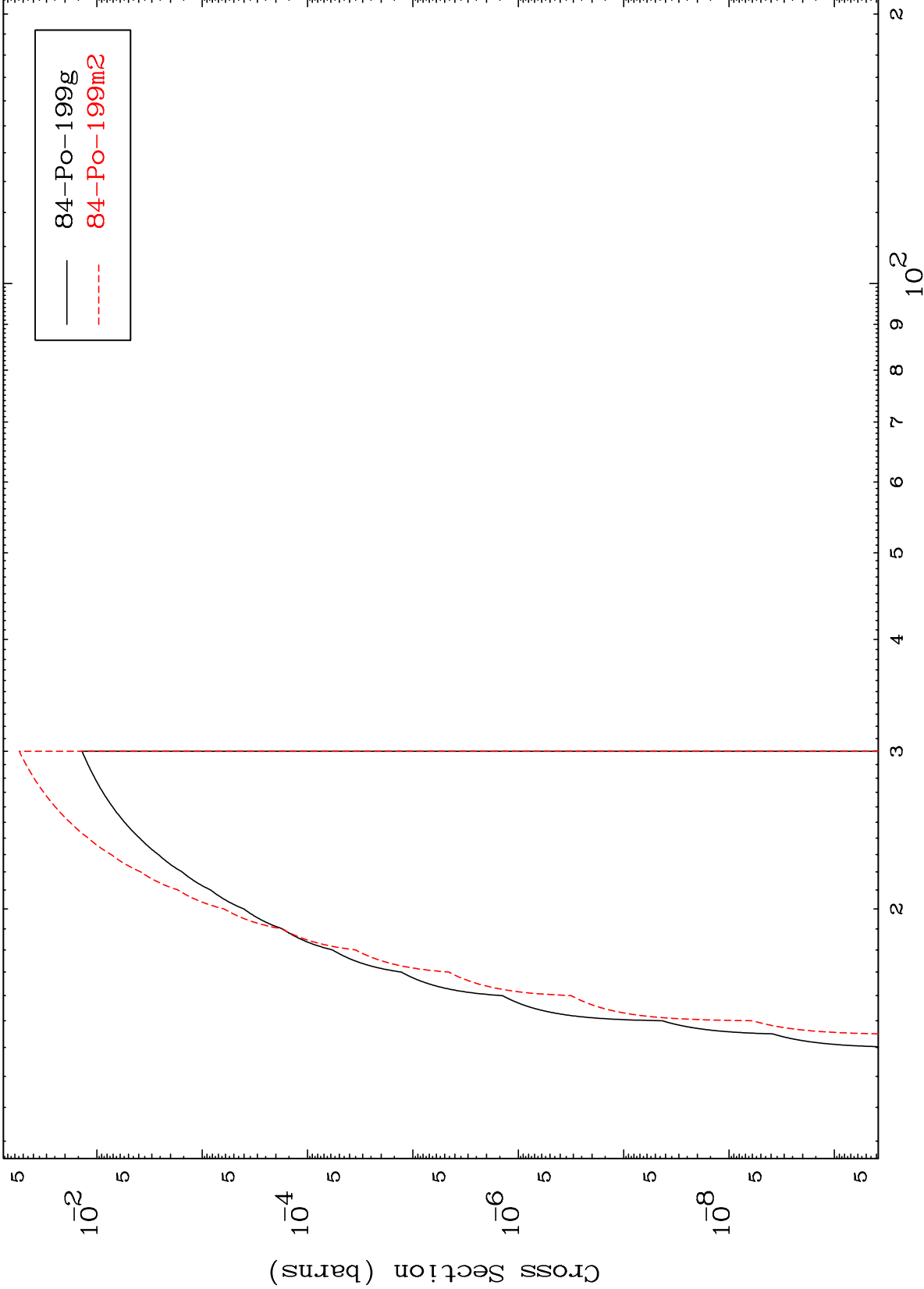


57

Incident Energy (MeV)

85-At-201

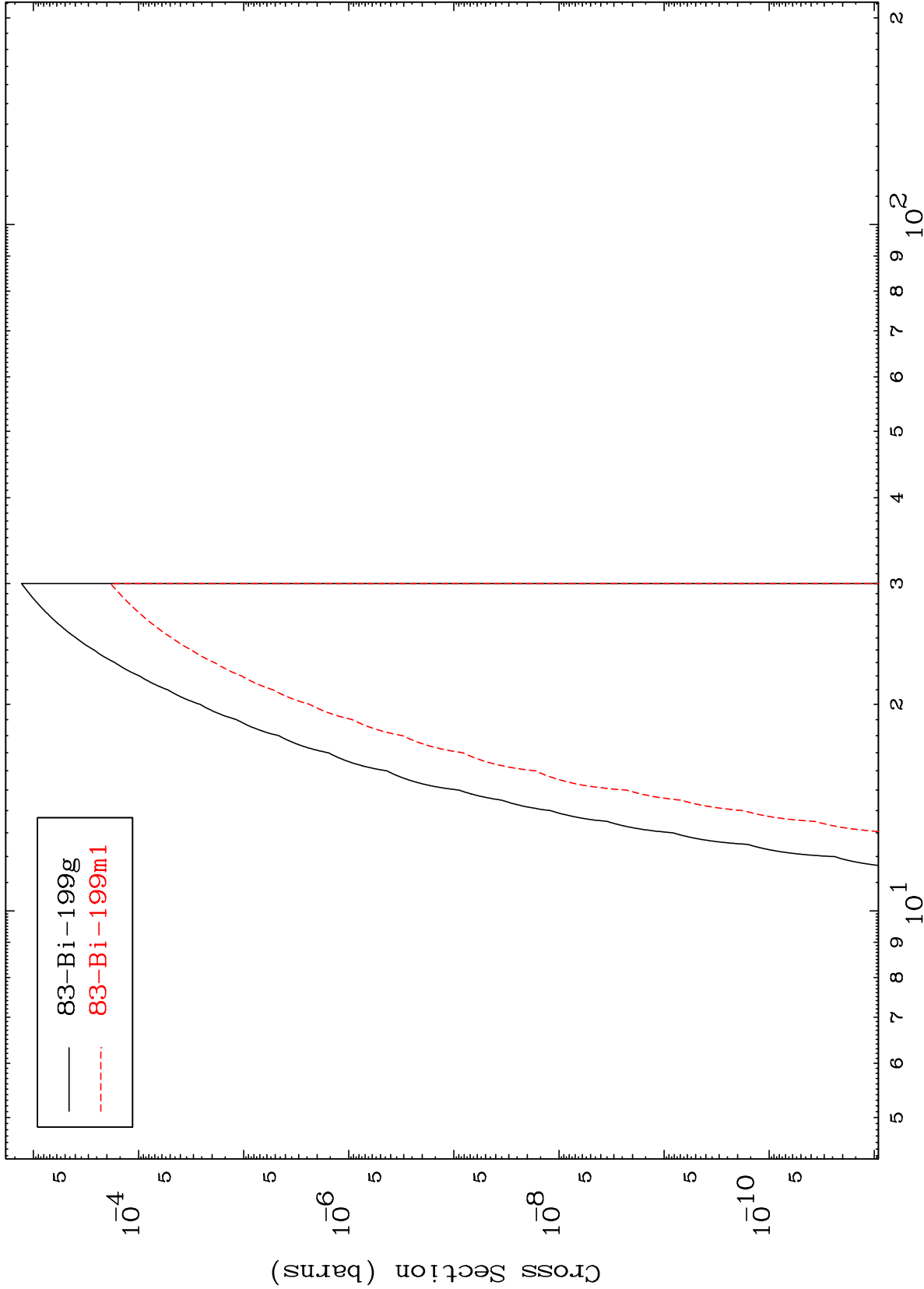
Radionuclide Production Cross Section



MAT 8519

85-At-201

(n,2n) p
Radionuclide Production Cross Section



— 83-Bi-199g
- - - 83-Bi-199m1

59

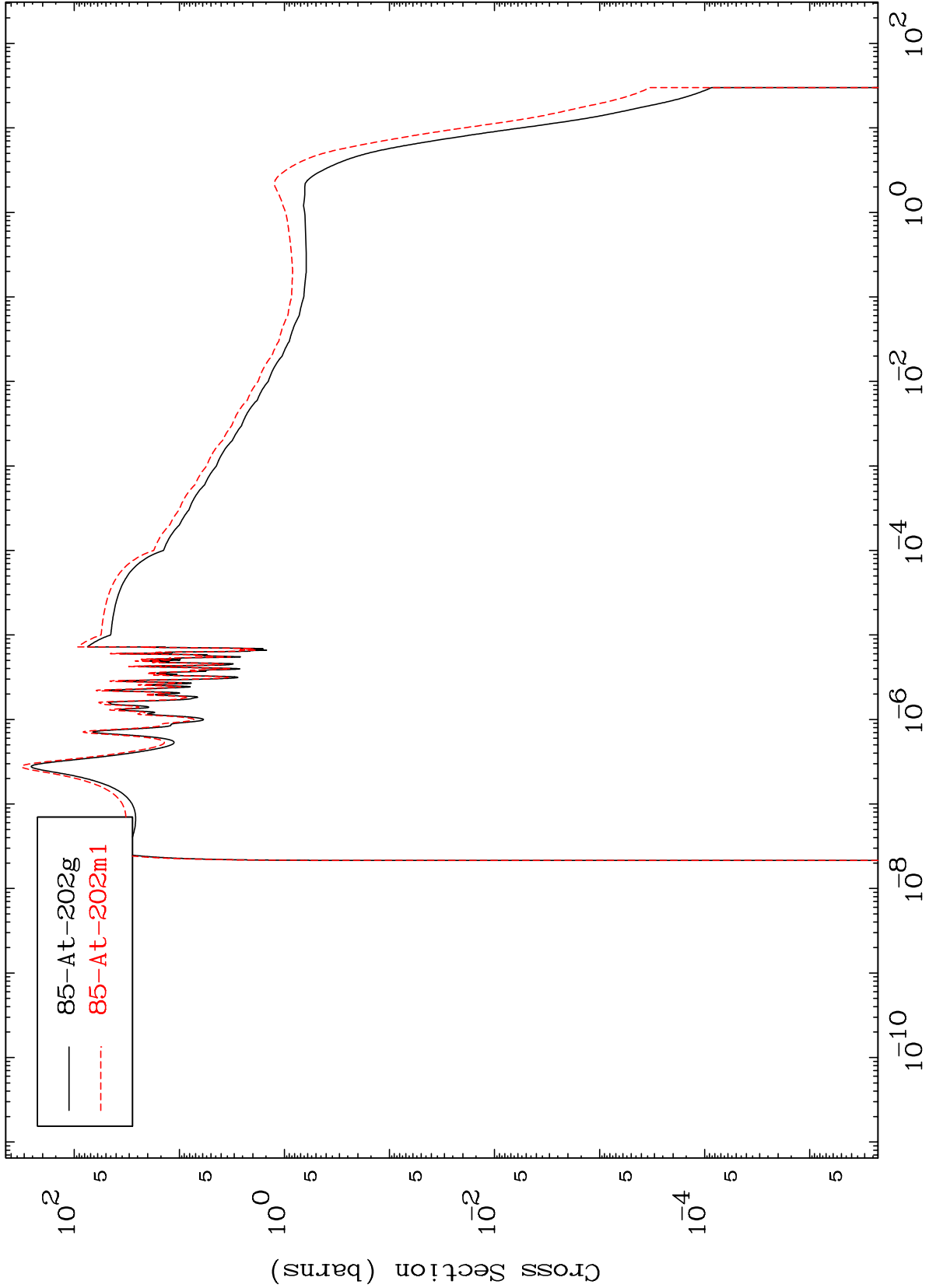
Incident Energy (MeV)

85-At-201

MAT 8519

85-At-201

(n, γ)
Radionuclide Production Cross Section

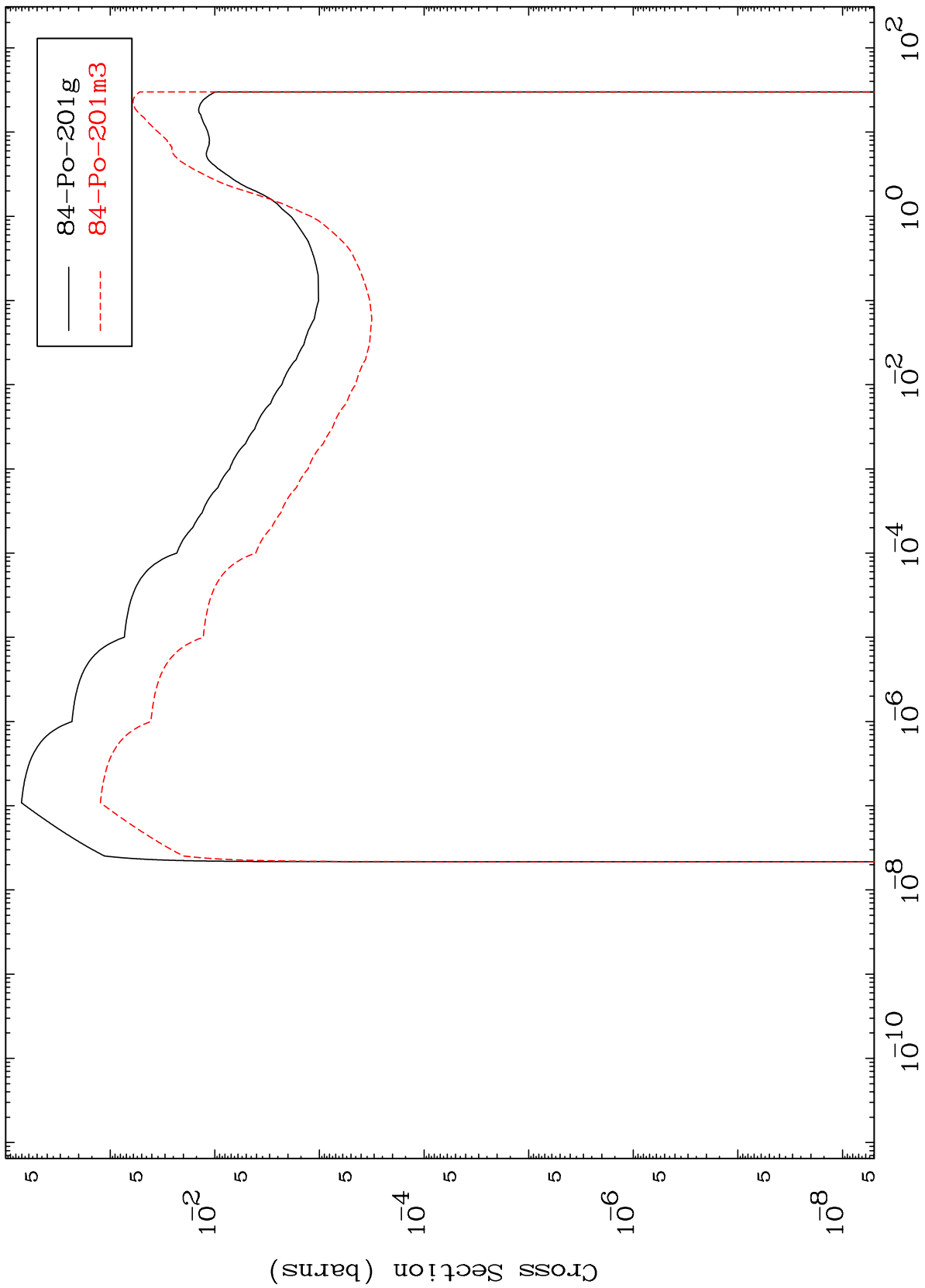


60

85-At-201

Incident Energy (MeV)

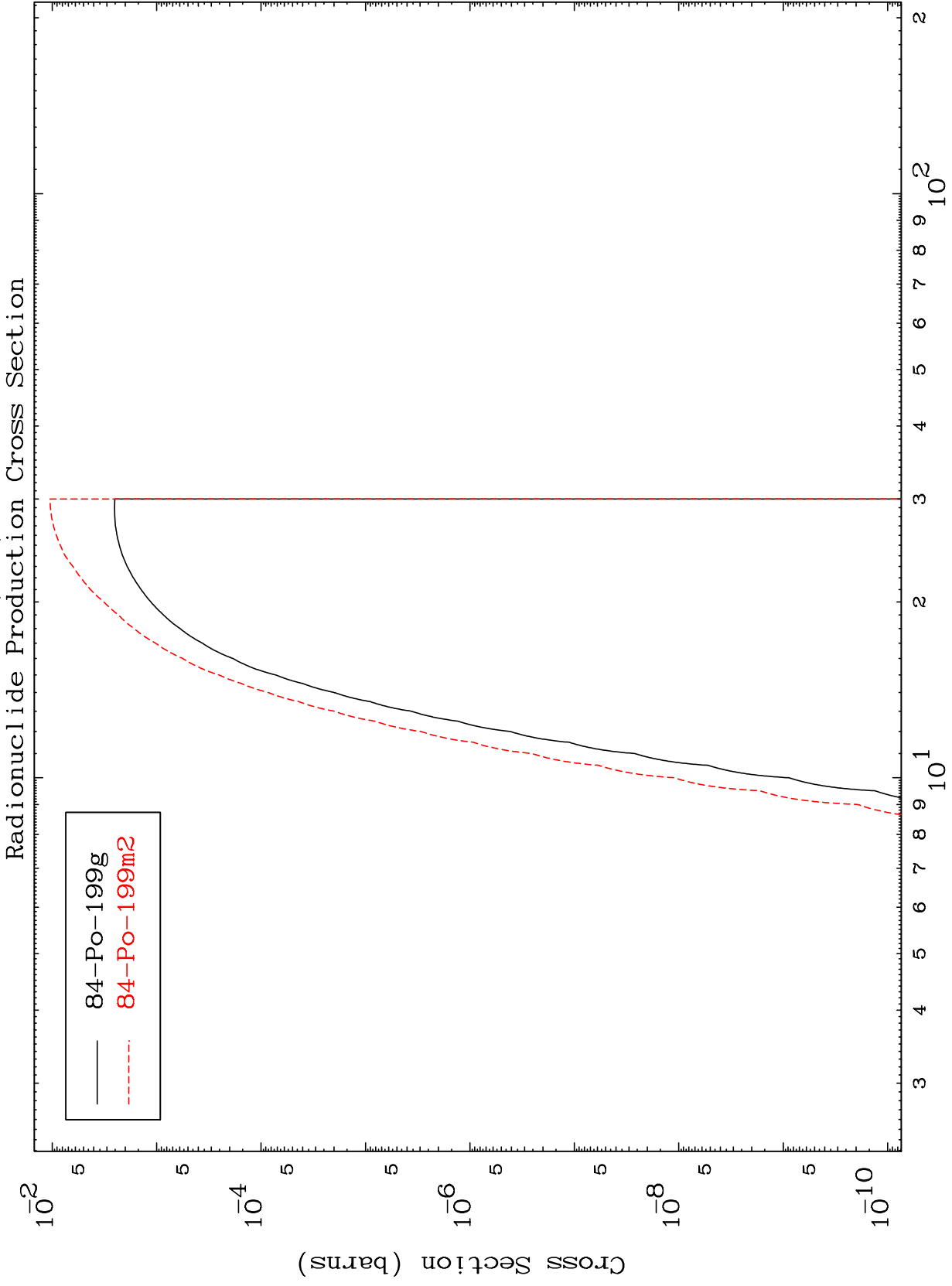
(n,p)
Radionuclide Production Cross Section



— 84-Po-201g
- - - 84-Po-201m3

MAT 8519

85-At-201



62

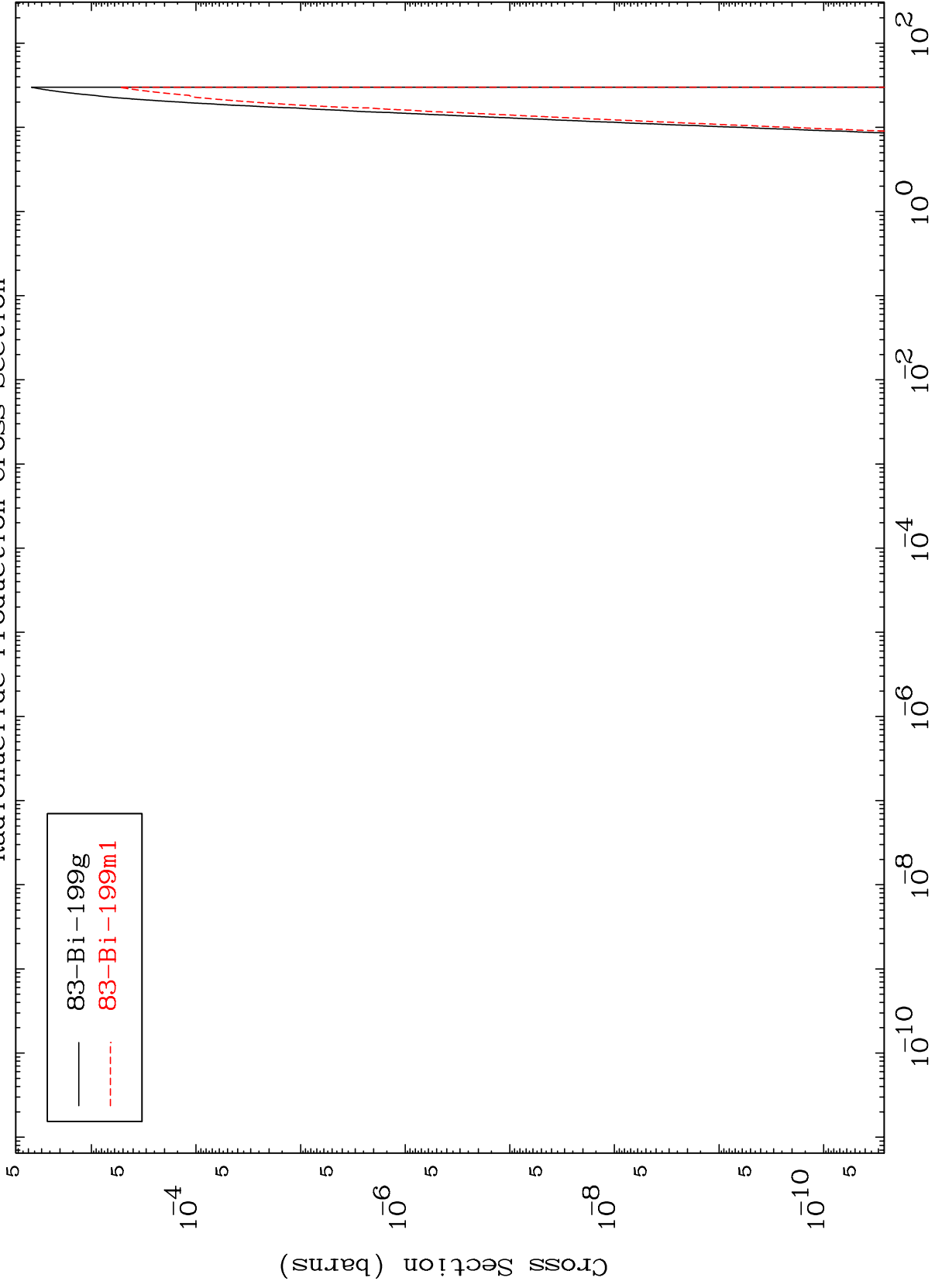
85-At-201

MAT 8519

(n,He-3)

85-At-201

Radionuclide Production Cross Section



83-Bi-199g
83-Bi-199m1

63

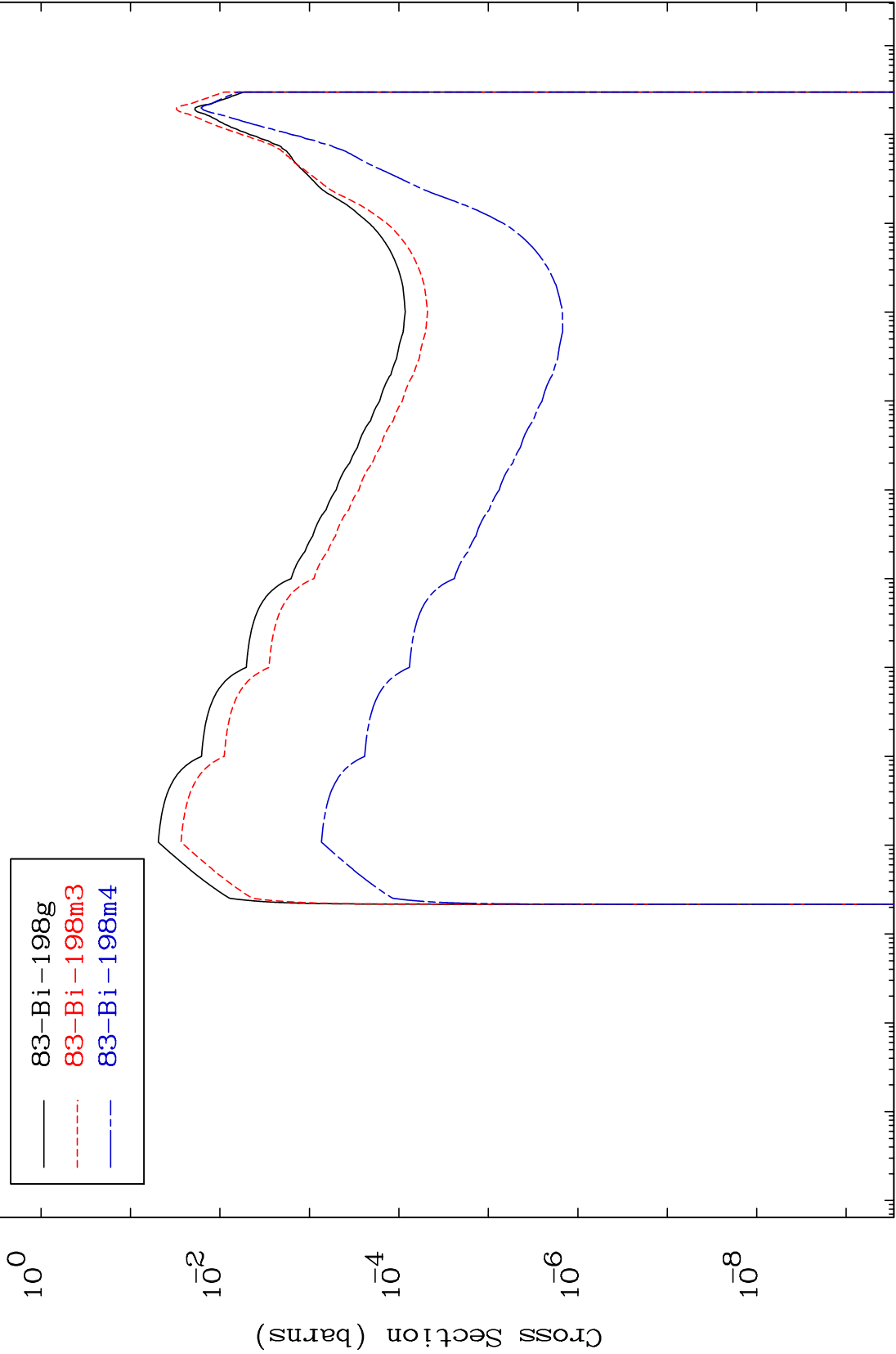
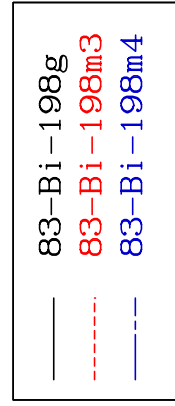
Incident Energy (MeV)

85-At-201

MAT 8519

85-At-201

Radionuclide Production Cross Section
(n, α)



85-At-201

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

85-At-201

Incident Energy (MeV)

10⁰

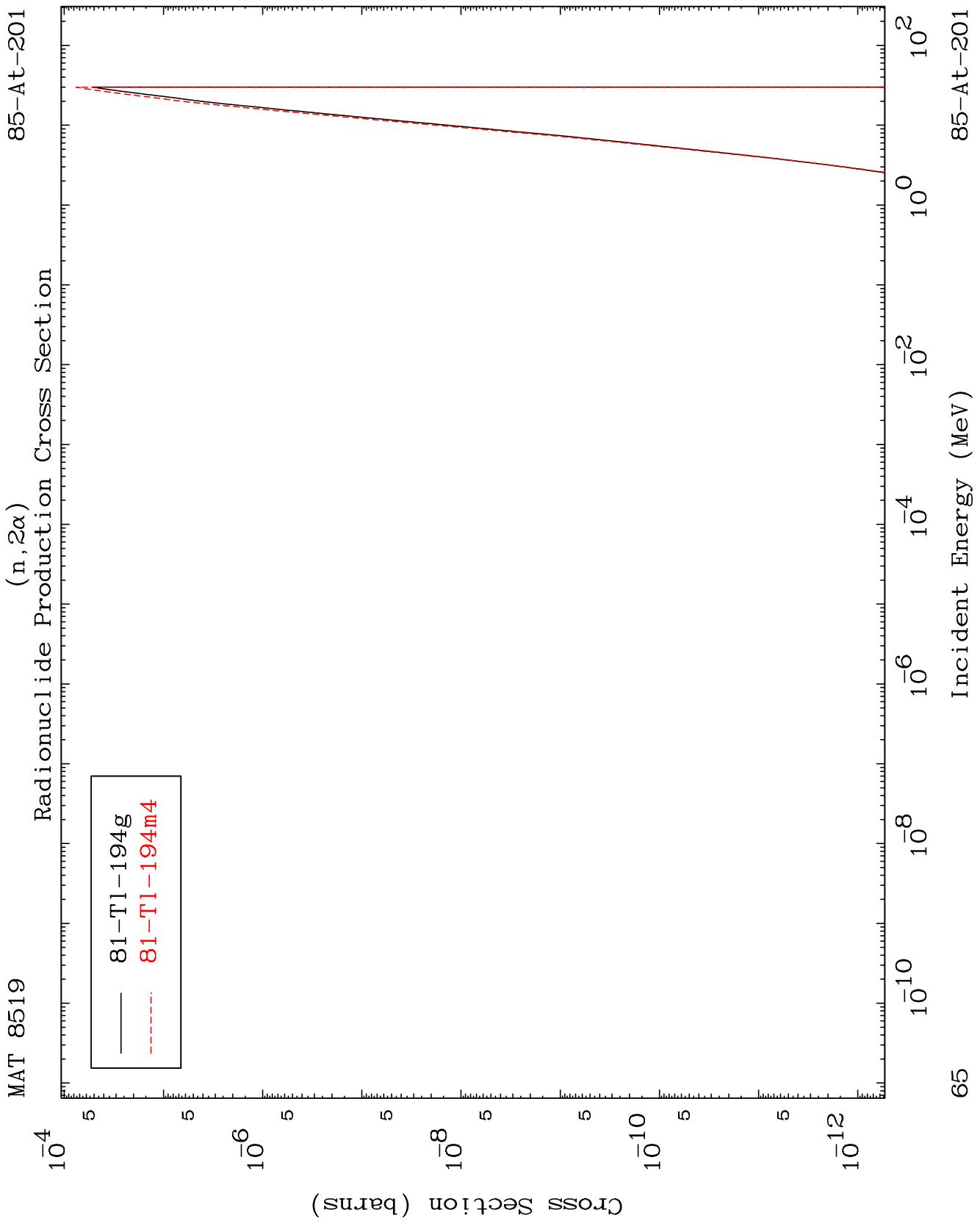
10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

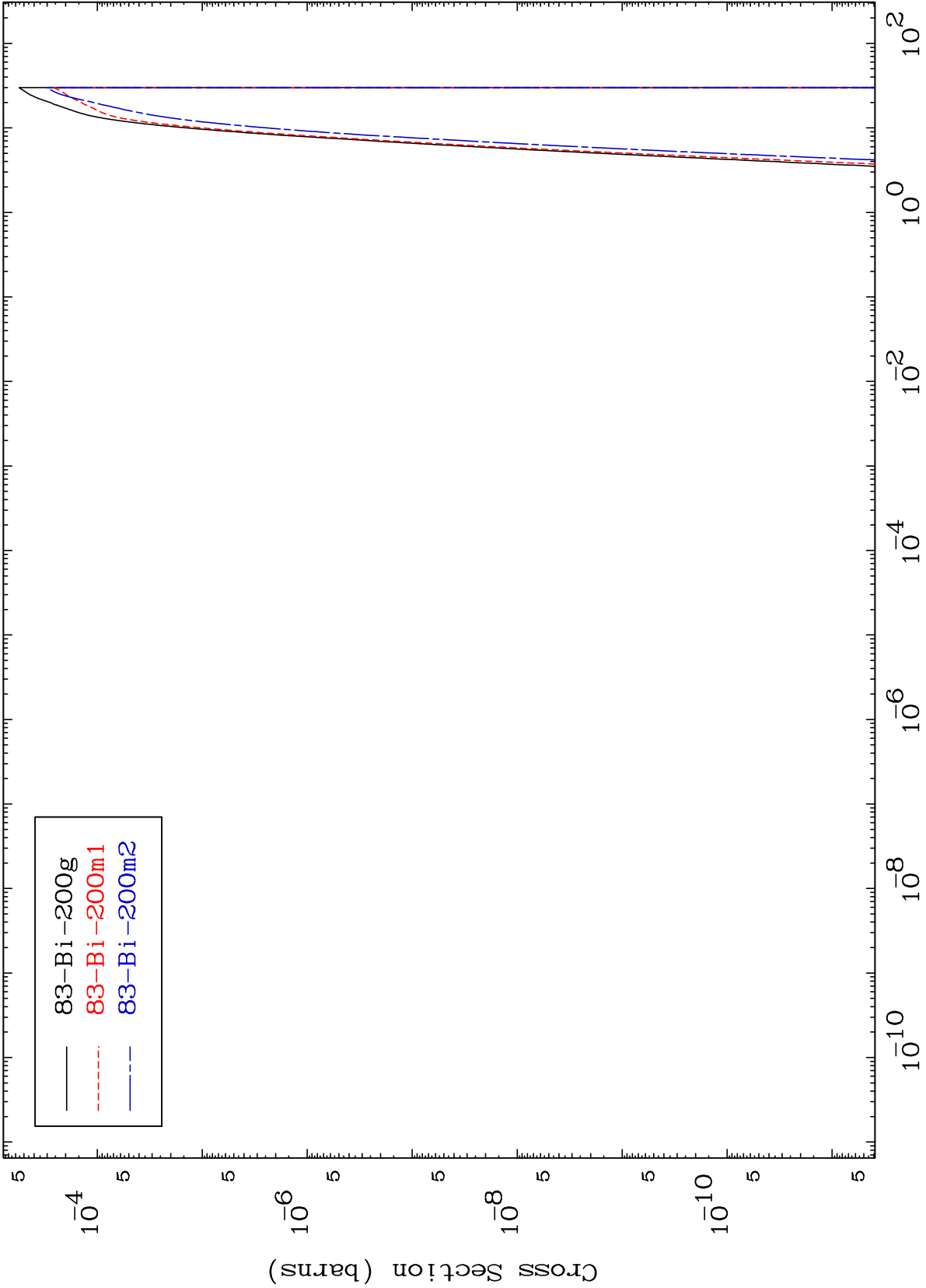


MAT 8519

(n,2p)

85-At-201

Radionuclide Production Cross Section



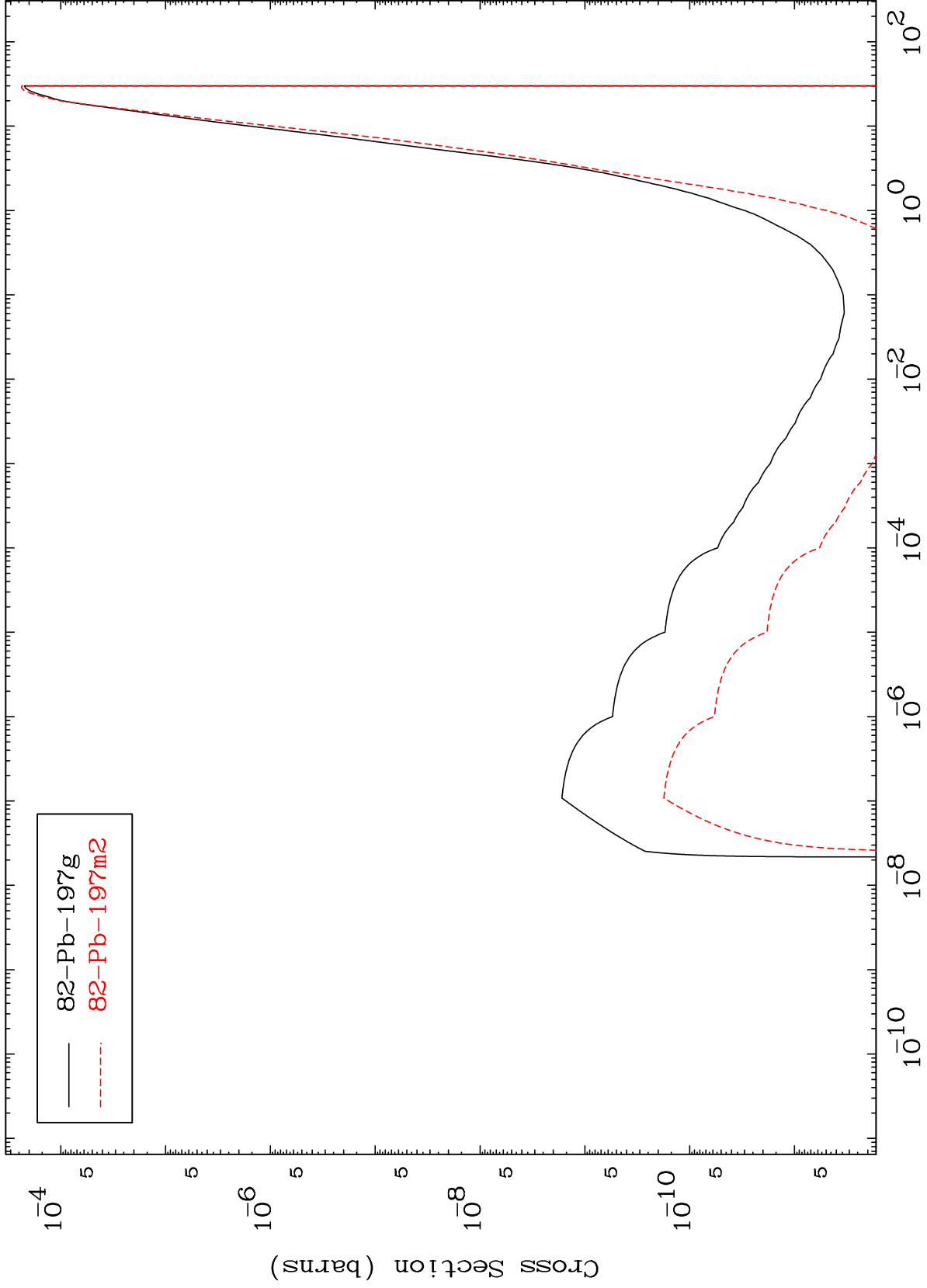
83-Bi-200g
83-Bi-200m1
83-Bi-200m2

MAT 8519

(n,p) α

85-At-201

Radionuclide Production Cross Section



— 82-Pb-197g
- - - 82-Pb-197m2

67

Incident Energy (MeV)

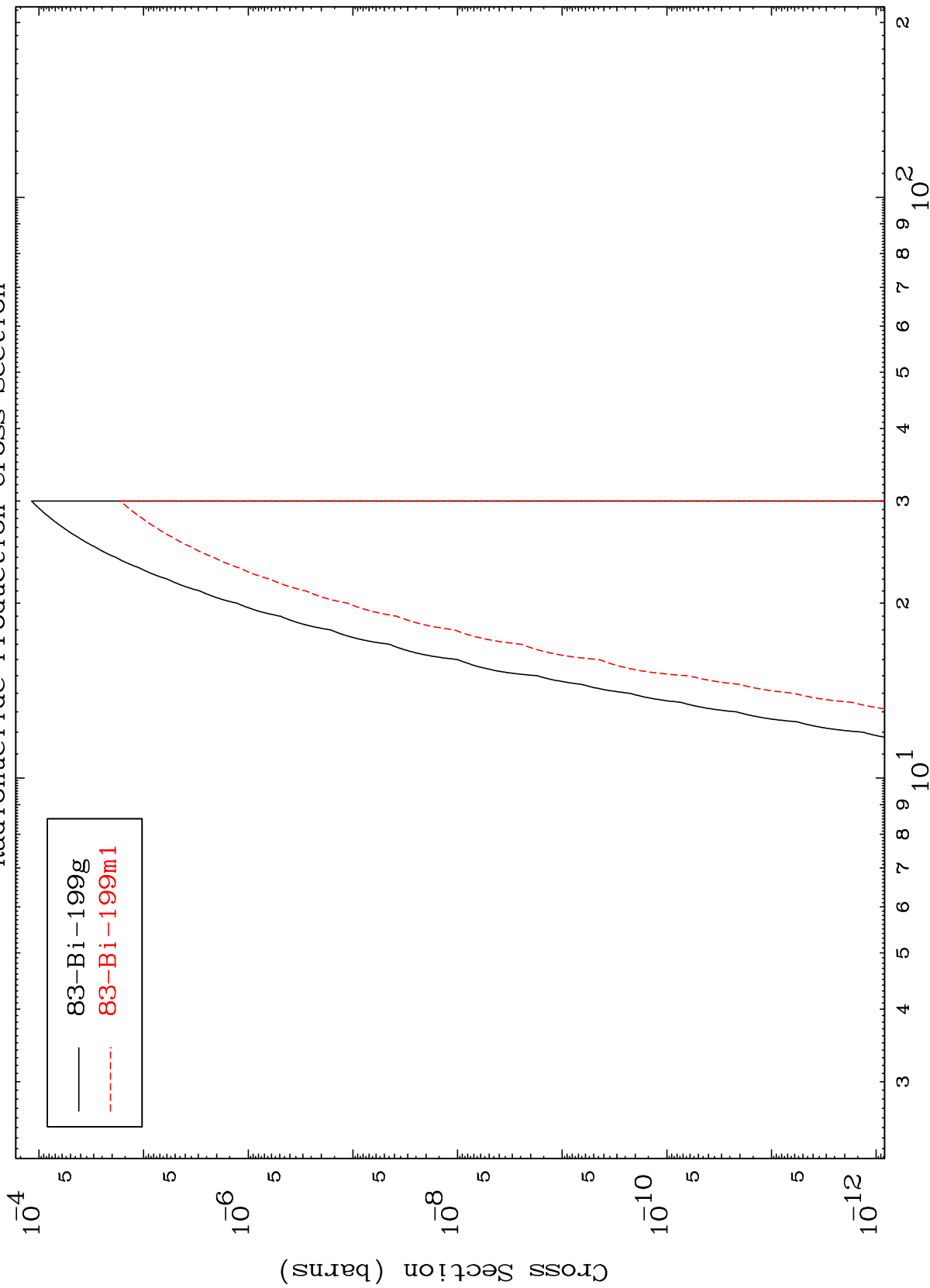
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Radionuclide Production Cross Section



68

Incident Energy (MeV)

85-At-201

Radionuclide Production Cross Section

