

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

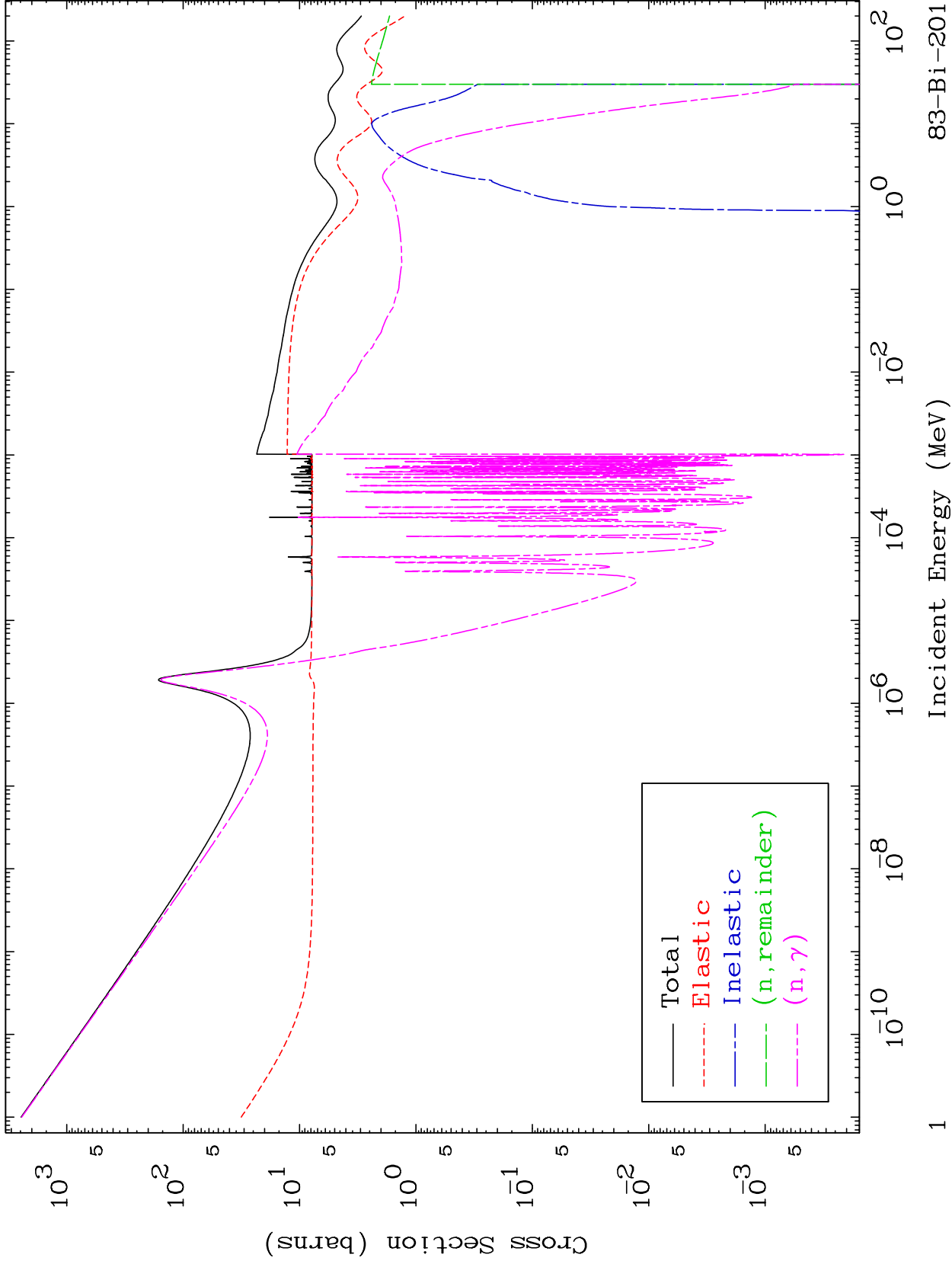
Press Mouse Button to Start

MAT 8301

Major

293 Kelvin Cross Sections

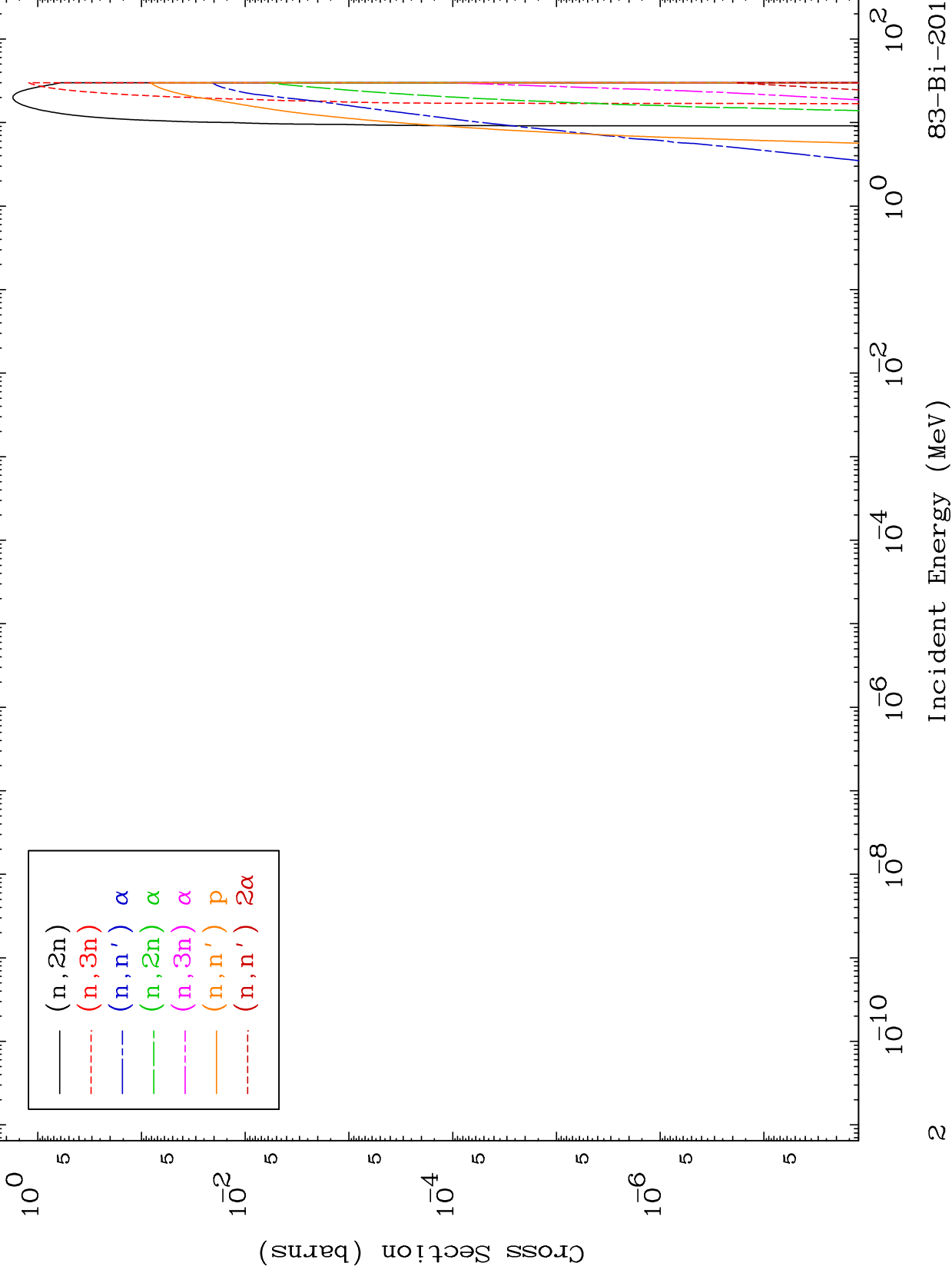
83-Bi-201

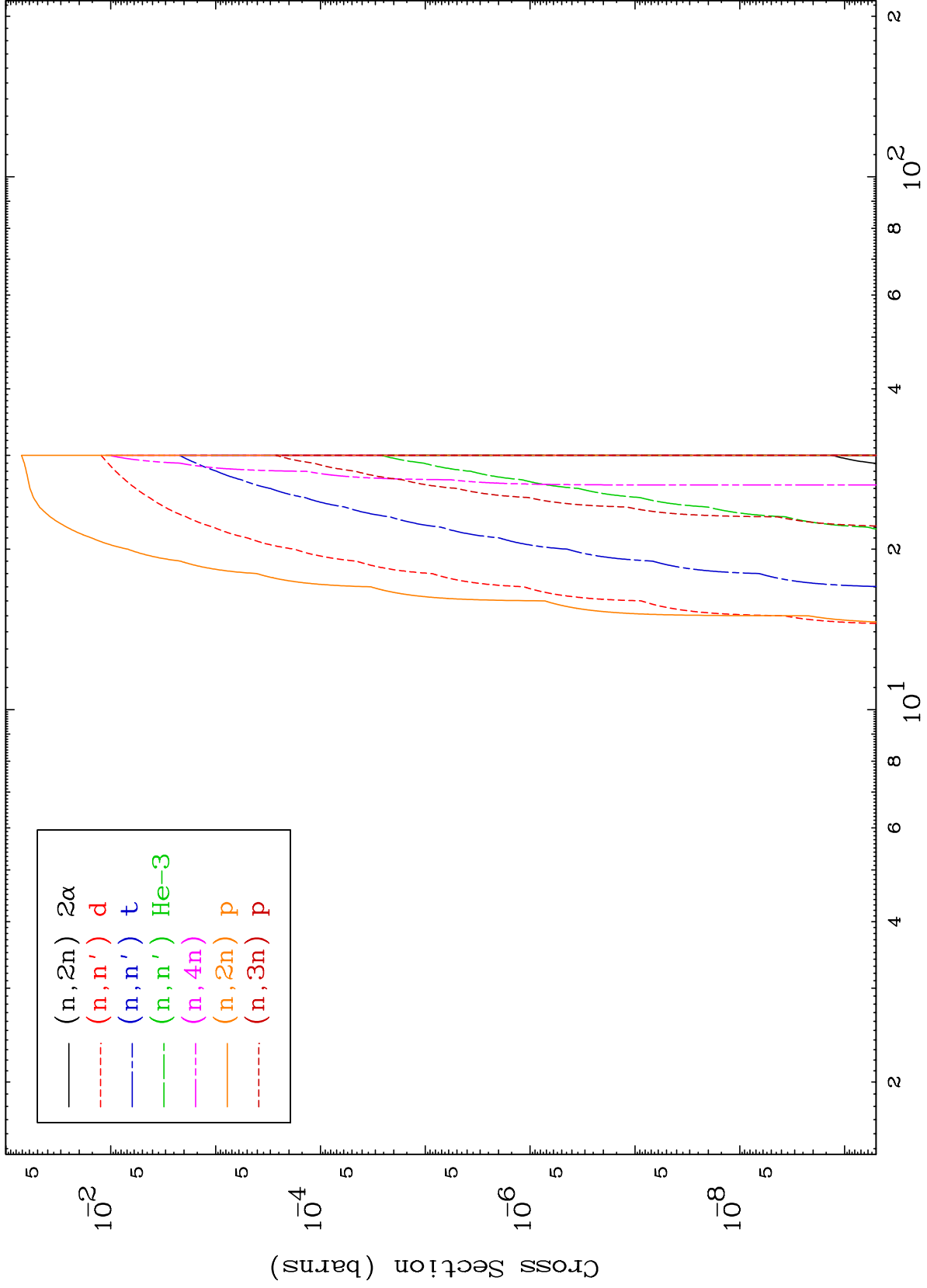


MAT 8301

Neutron Production
293 Kelvin Cross Sections

83-Bi-201

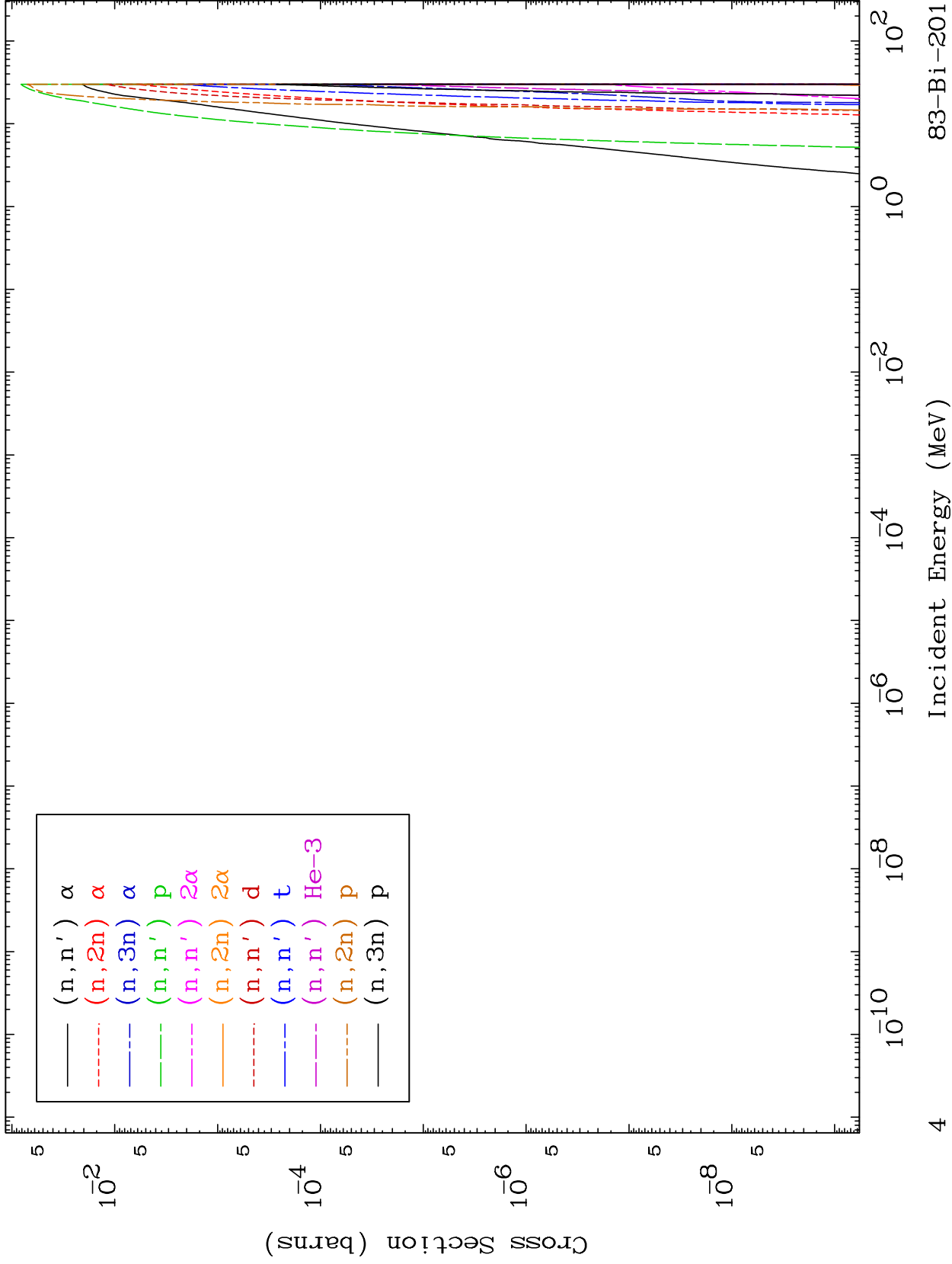




MAT 8301

Charged Particle
293 Kelvin Cross Sections

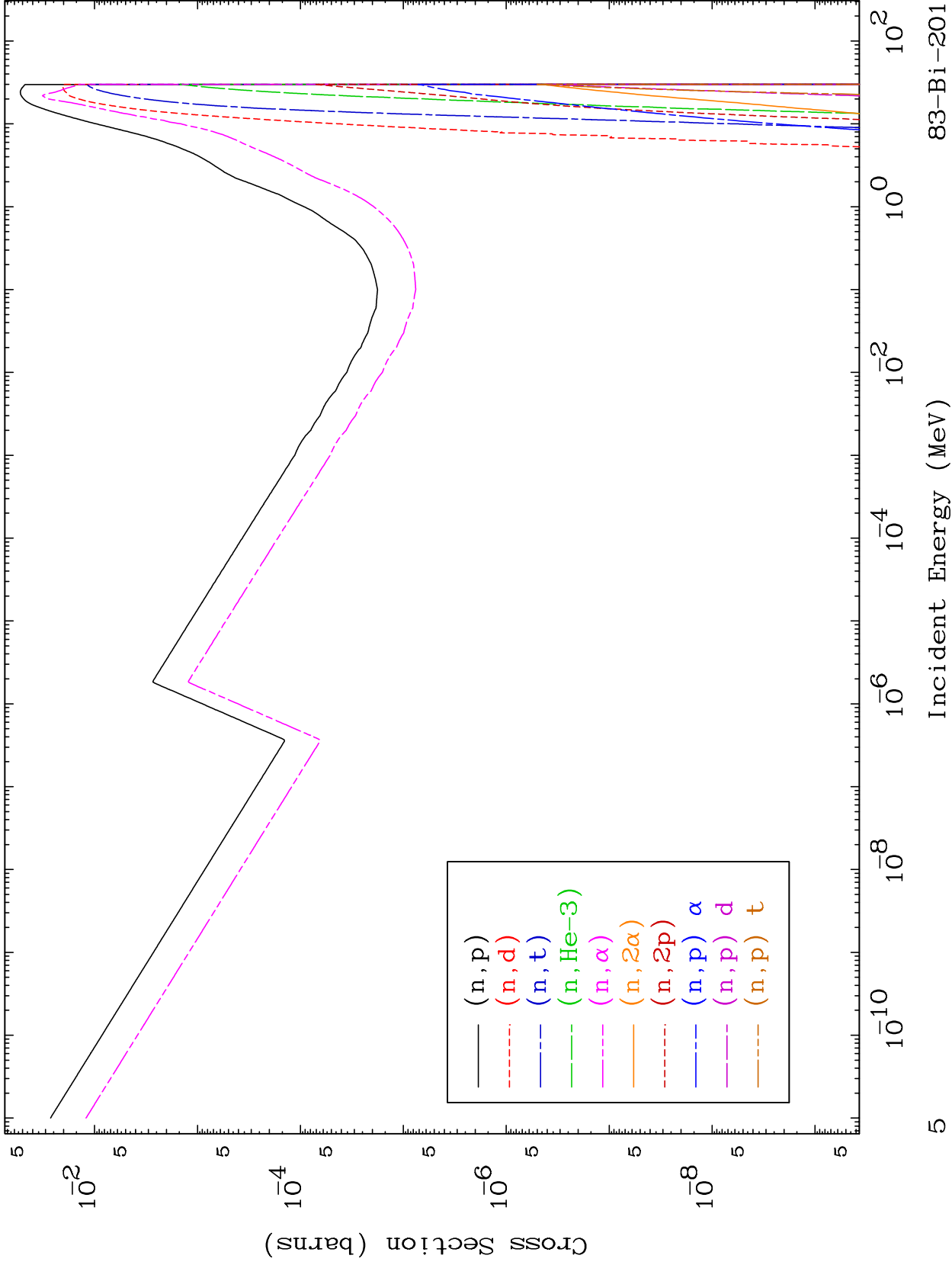
83-Bi-201



MAT 8301

Charged Particle
293 Kelvin Cross Sections

83-Bi-201



5

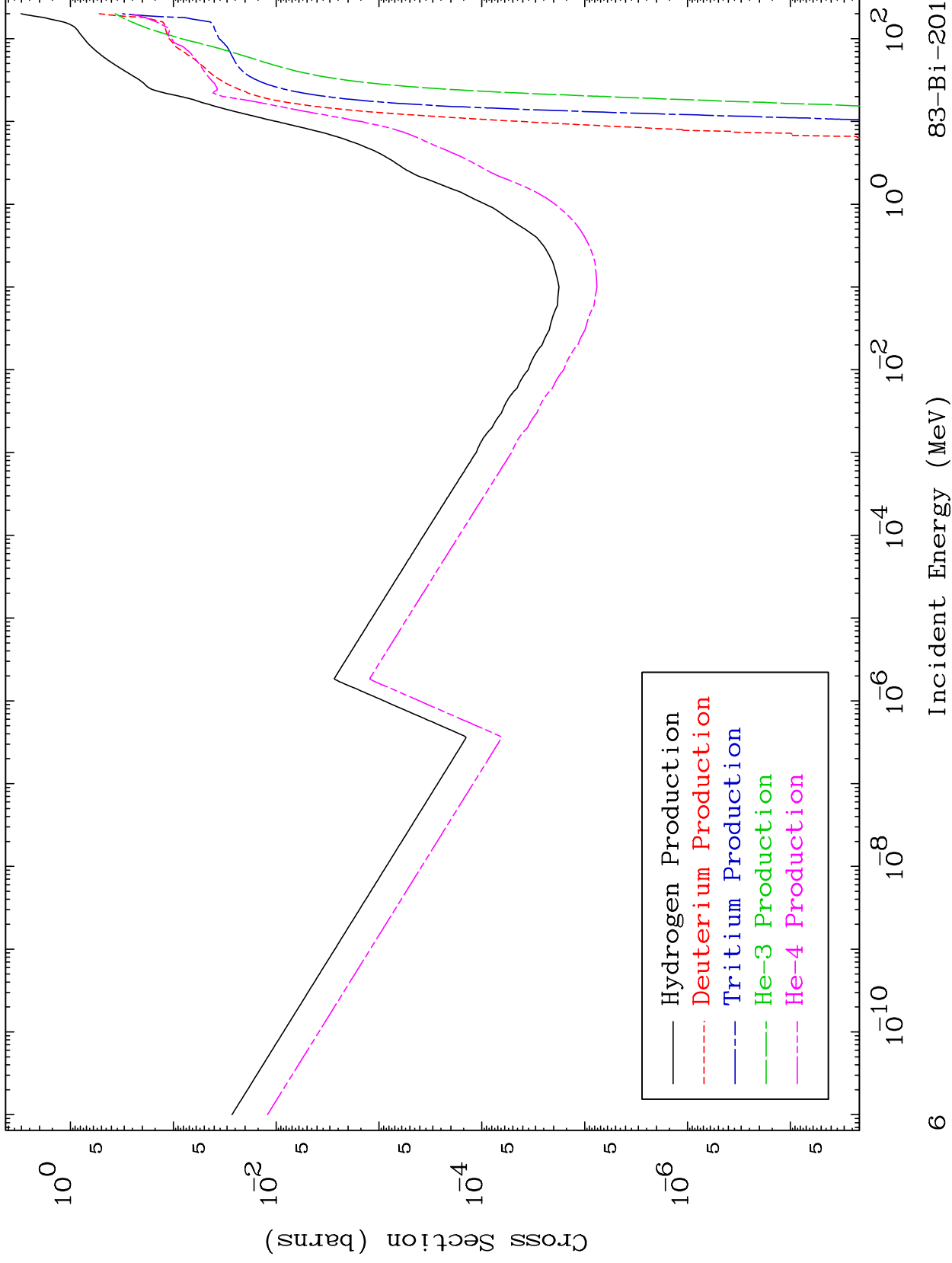
Incident Energy (MeV)

83-Bi-201

MAT 8301

Particle Production
293 Kelvin Cross Sections

83-Bi-201

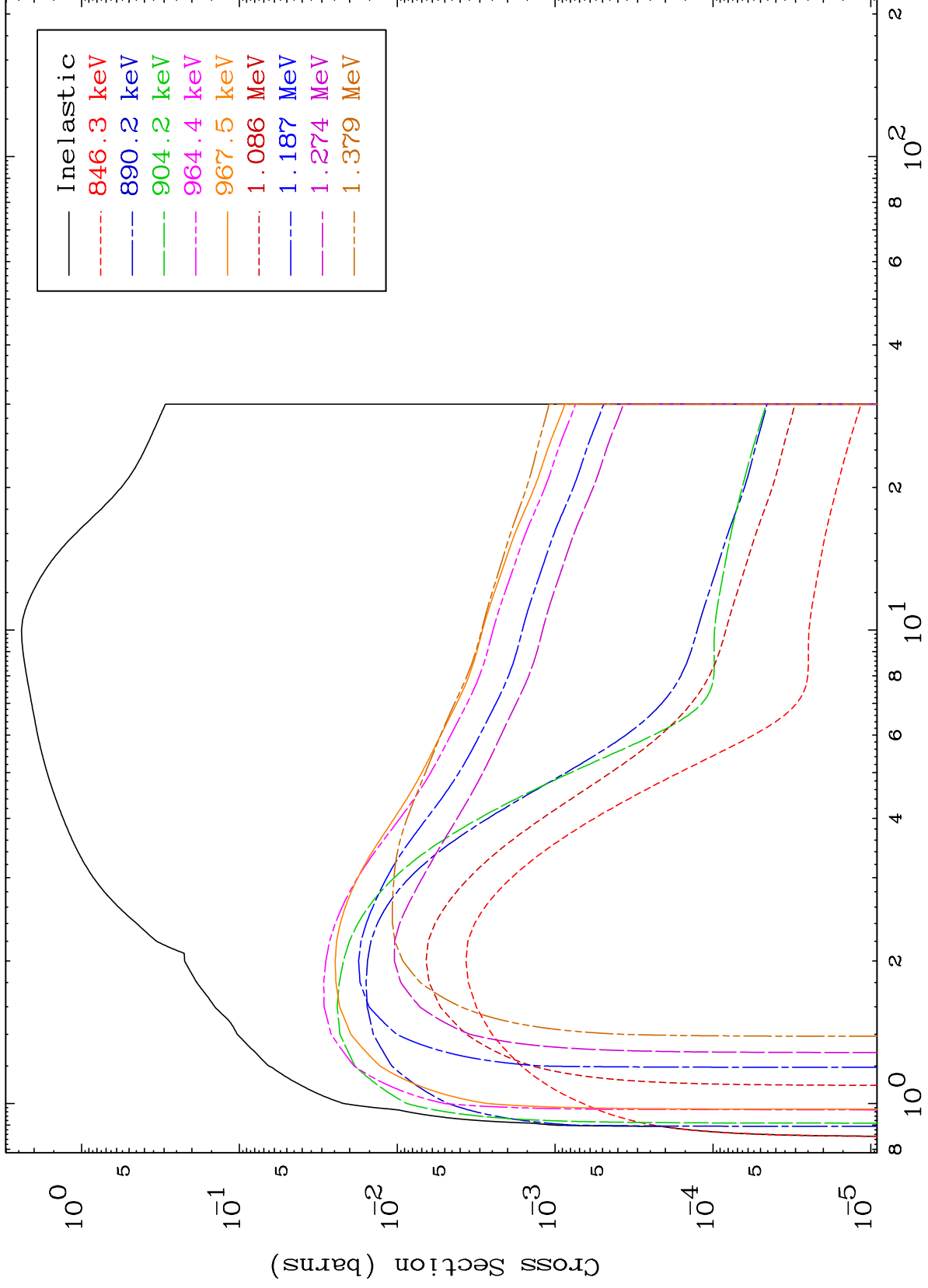


MAT 8301

(n,n') Level

83-Bi-201

293 Kelvin Cross Sections



Incident Energy (MeV)

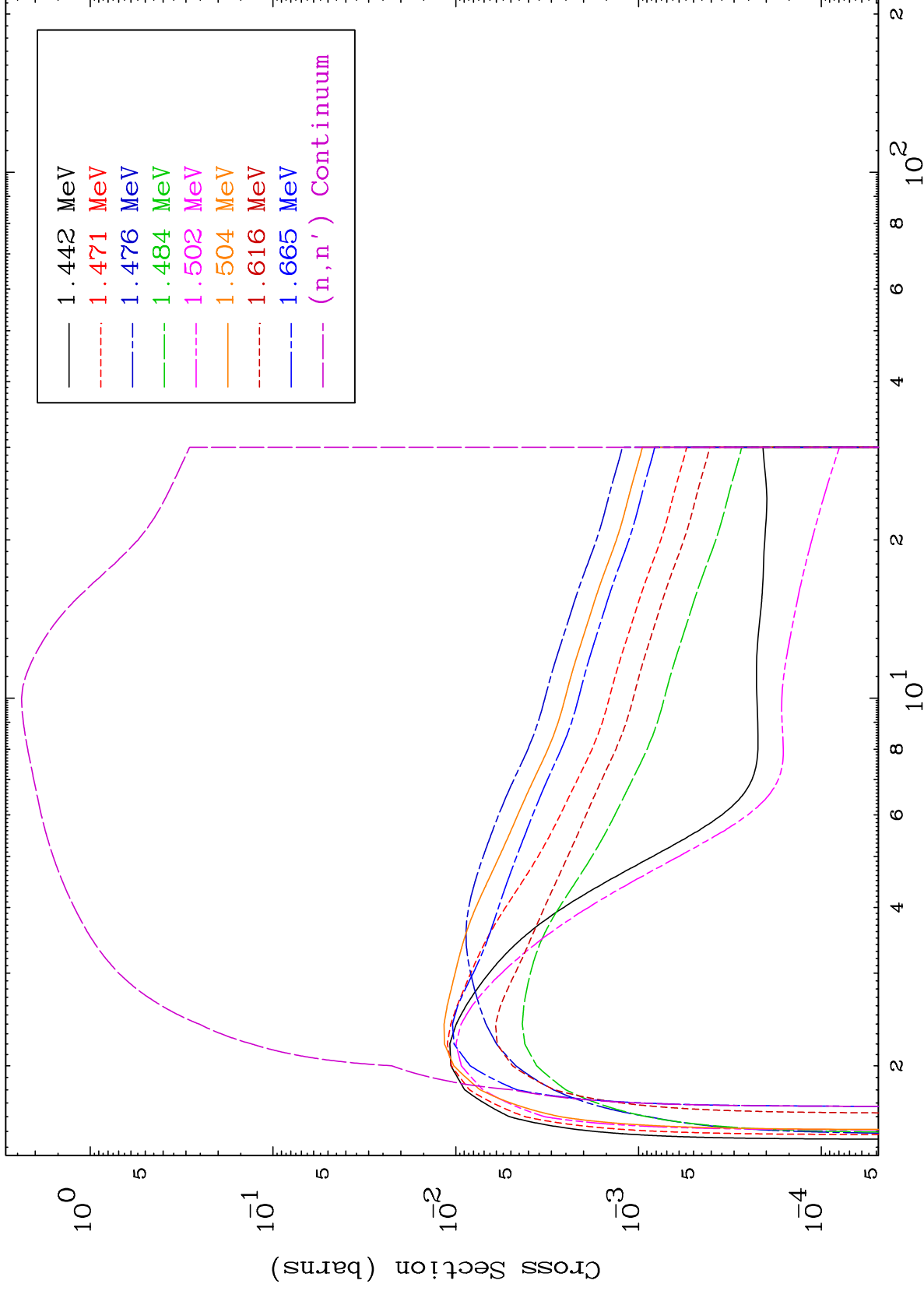
83-Bi-201

MAT 8301

(n,n') Level

83-Bi-201

293 Kelvin Cross Sections



8

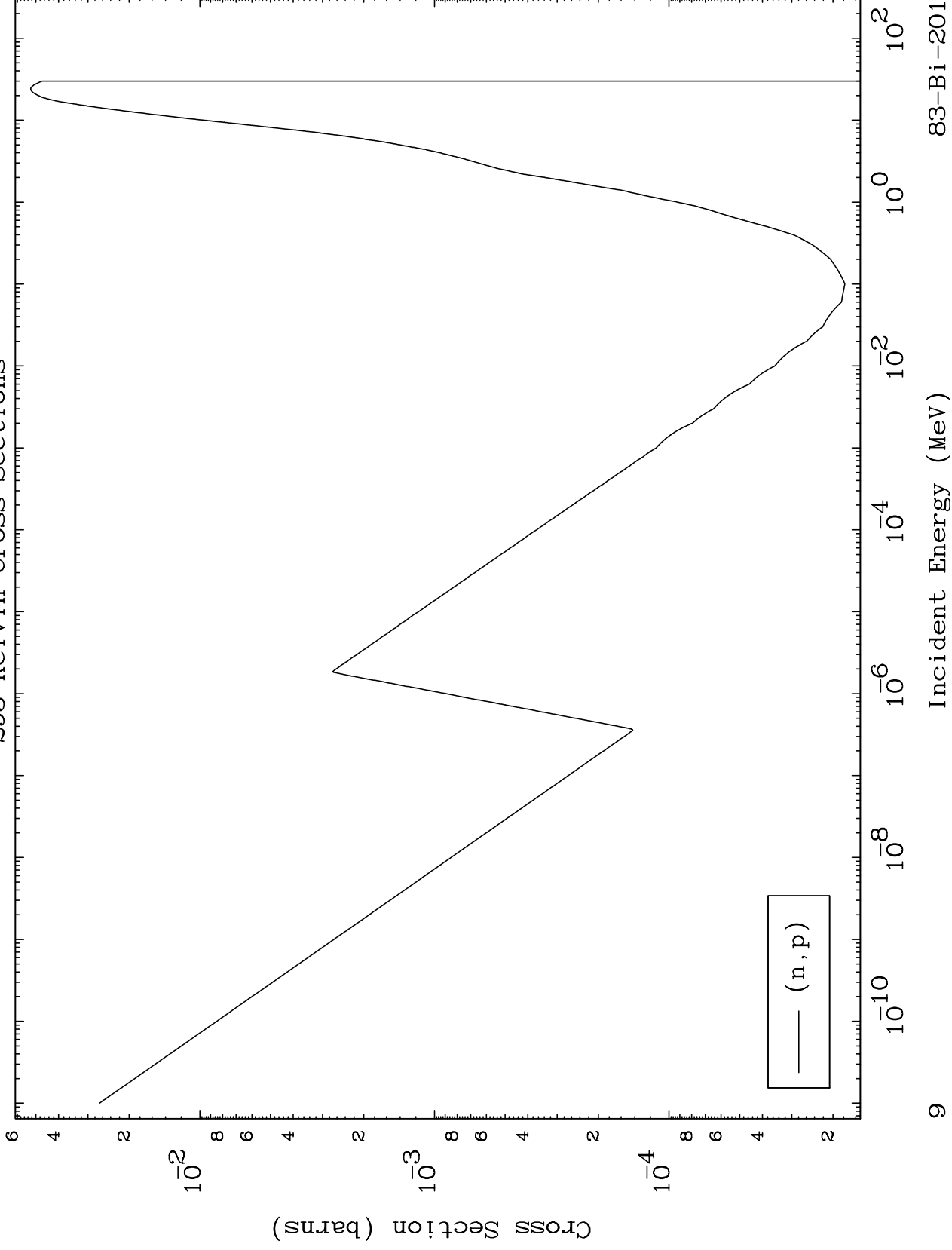
Incident Energy (MeV)

83-Bi-201

MAT 8301

(n,p) Levels
293 Kelvin Cross Sections

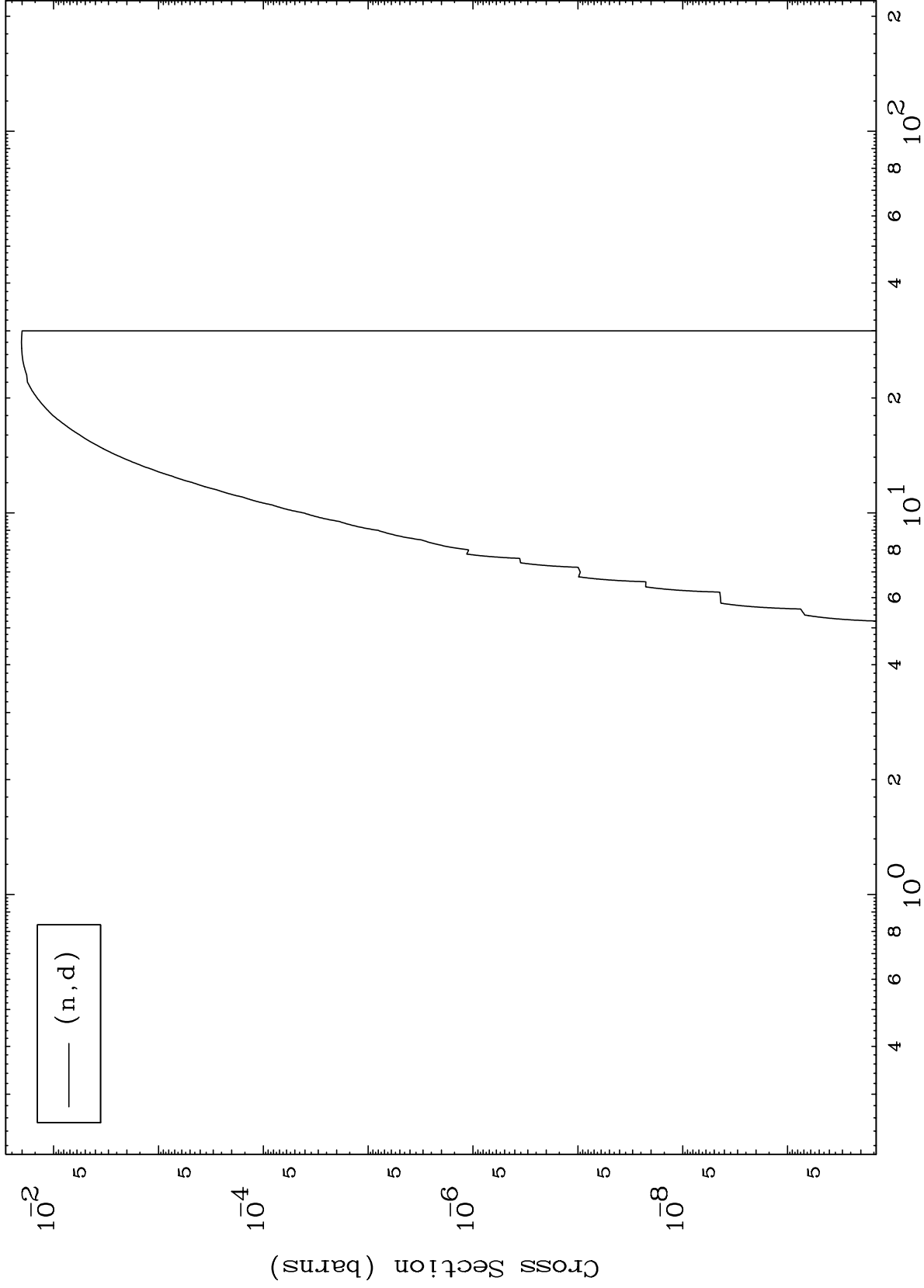
83-Bi-201



MAT 8301

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-201



10

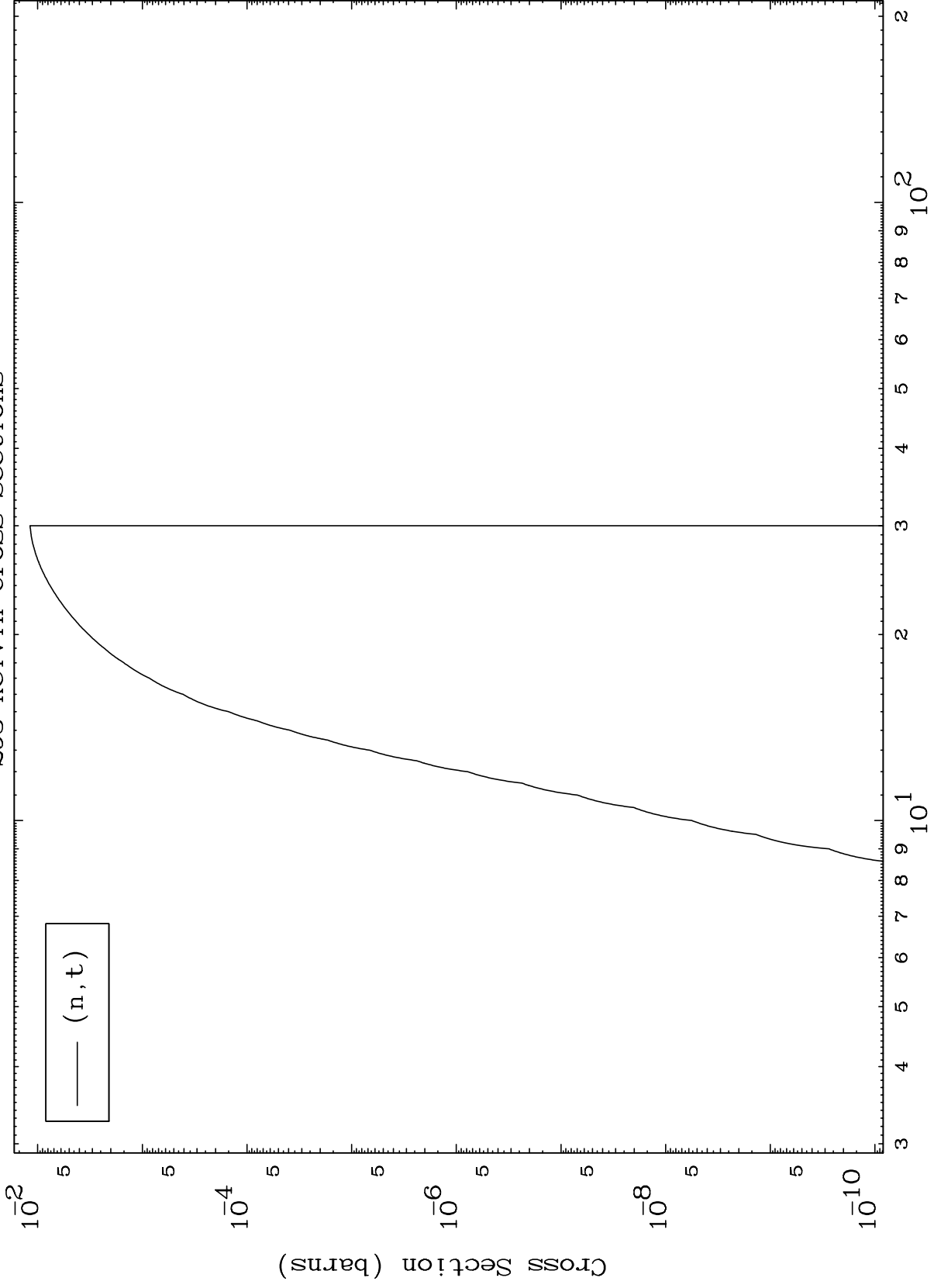
Incident Energy (MeV)

83-Bi-201

MAT 8301

(n,t) Levels
293 Kelvin Cross Sections

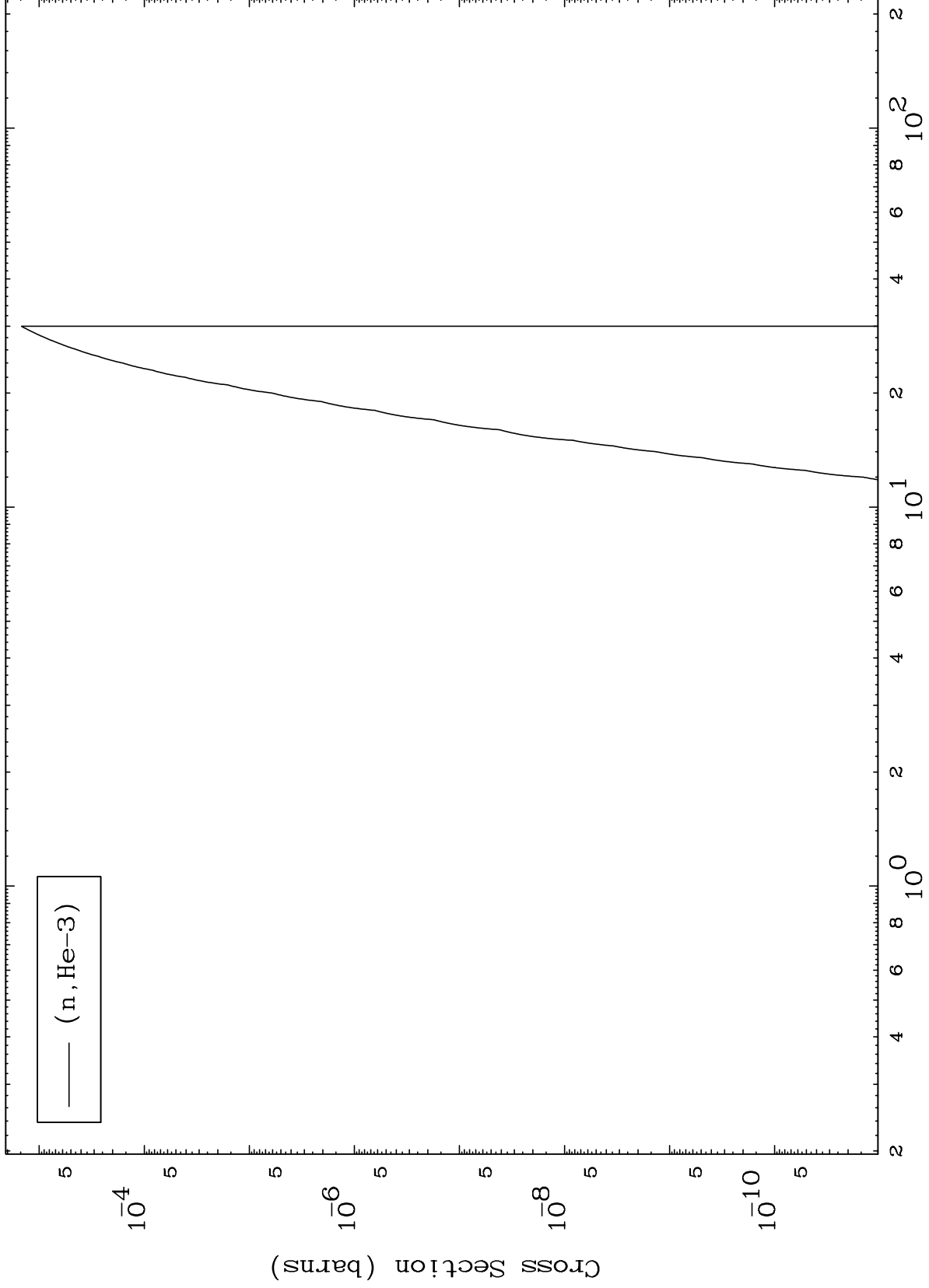
83-Bi-201



MAT 8301

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-201



12

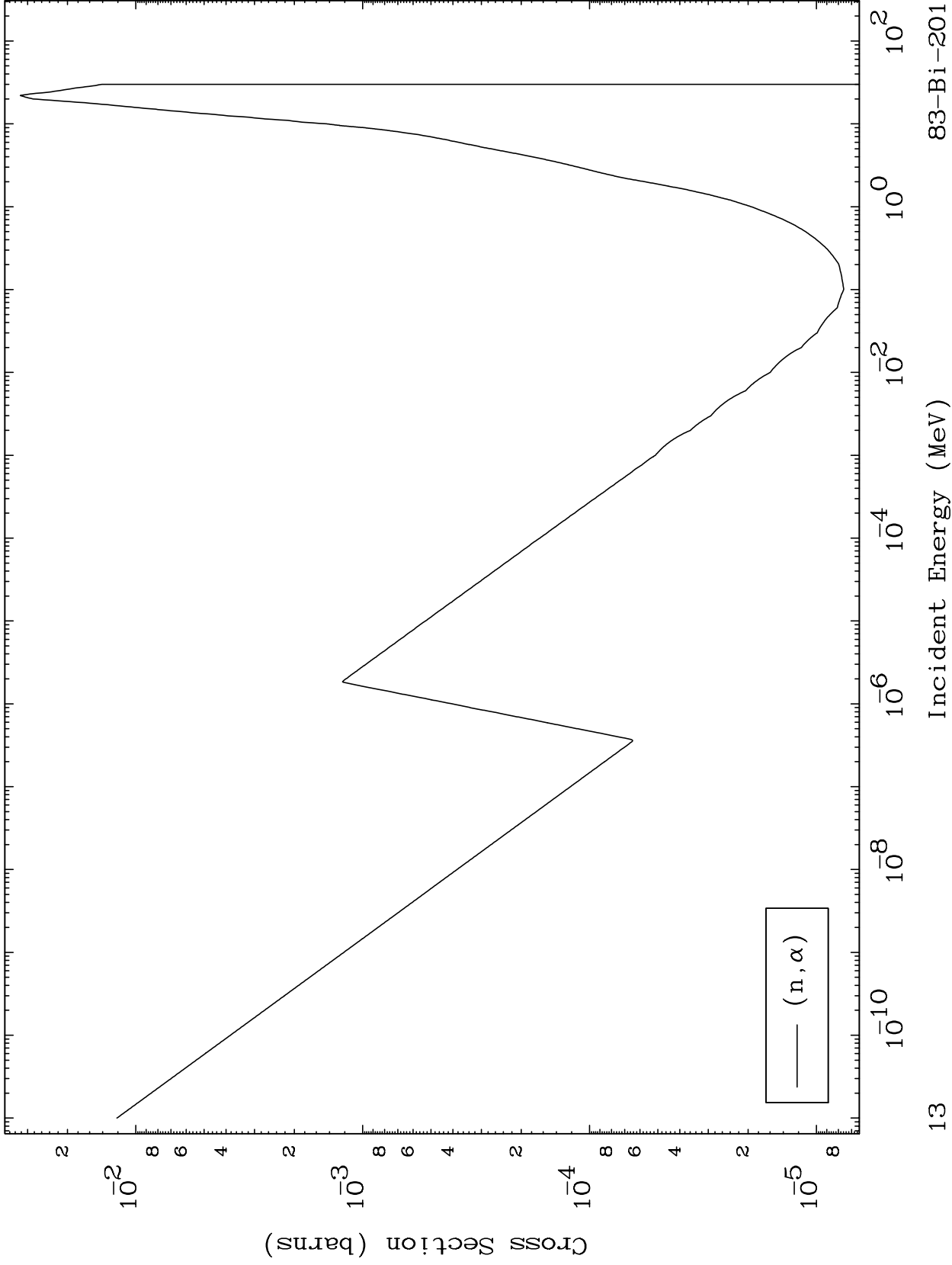
Incident Energy (MeV)

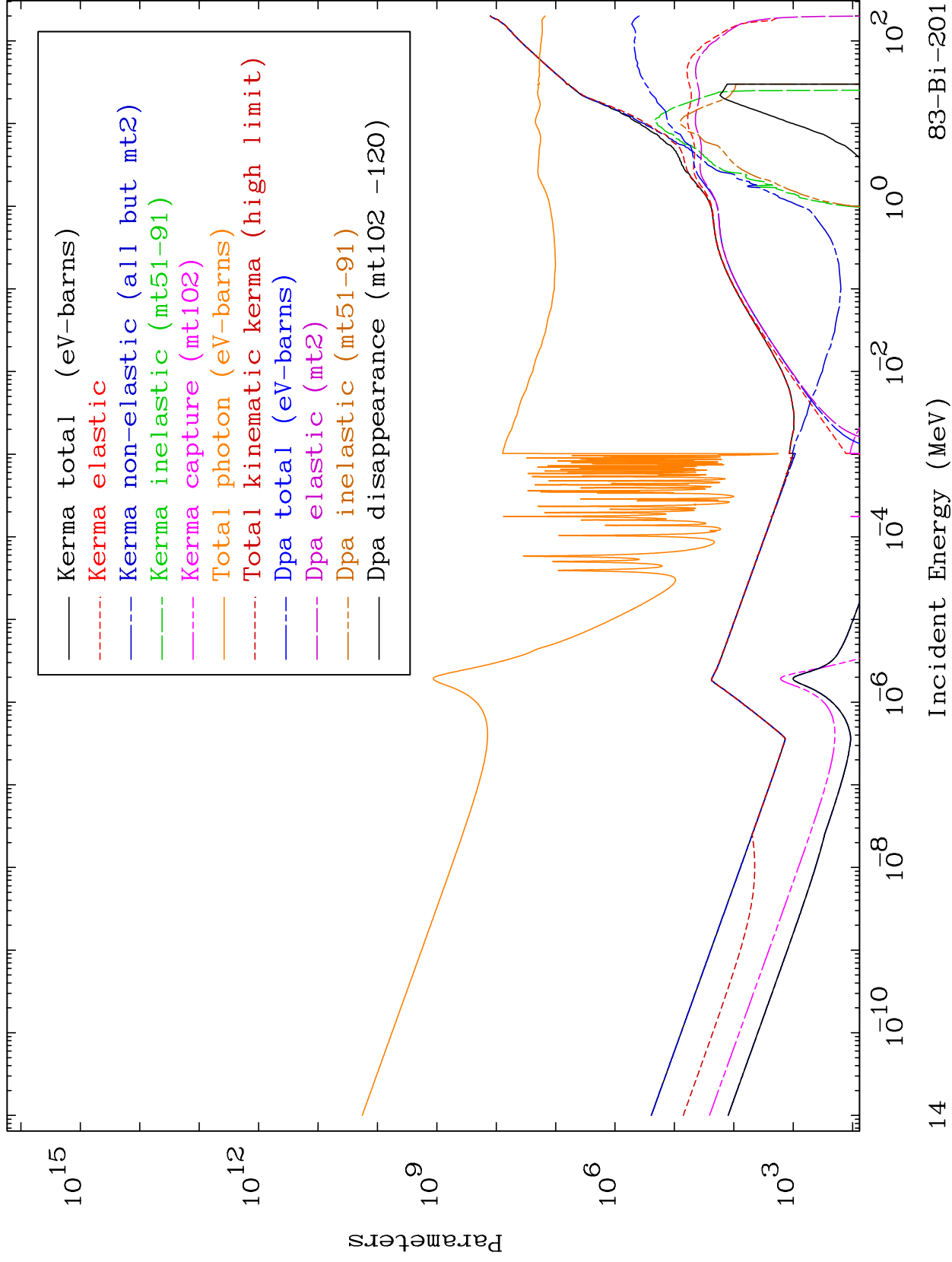
83-Bi-201

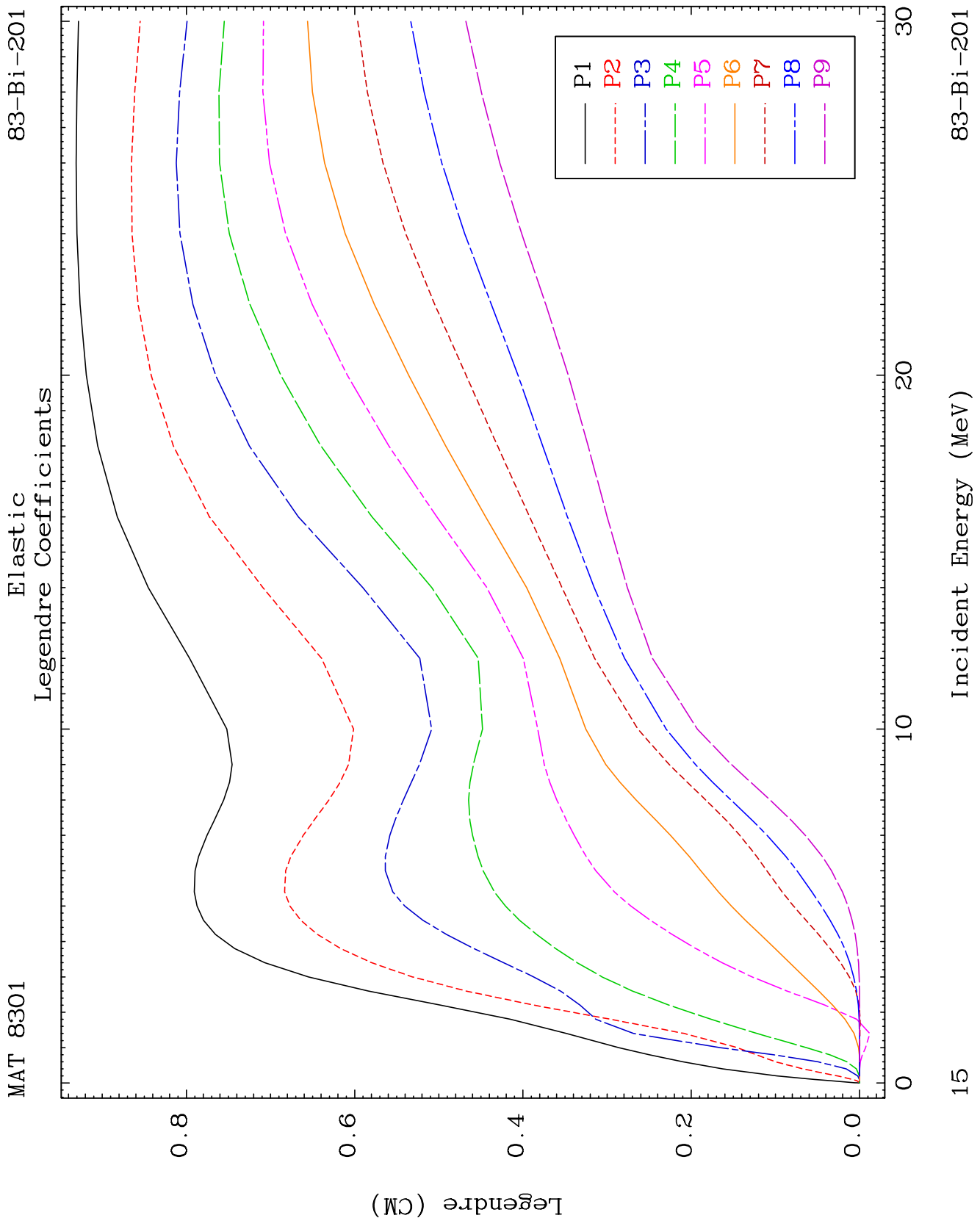
MAT 8301

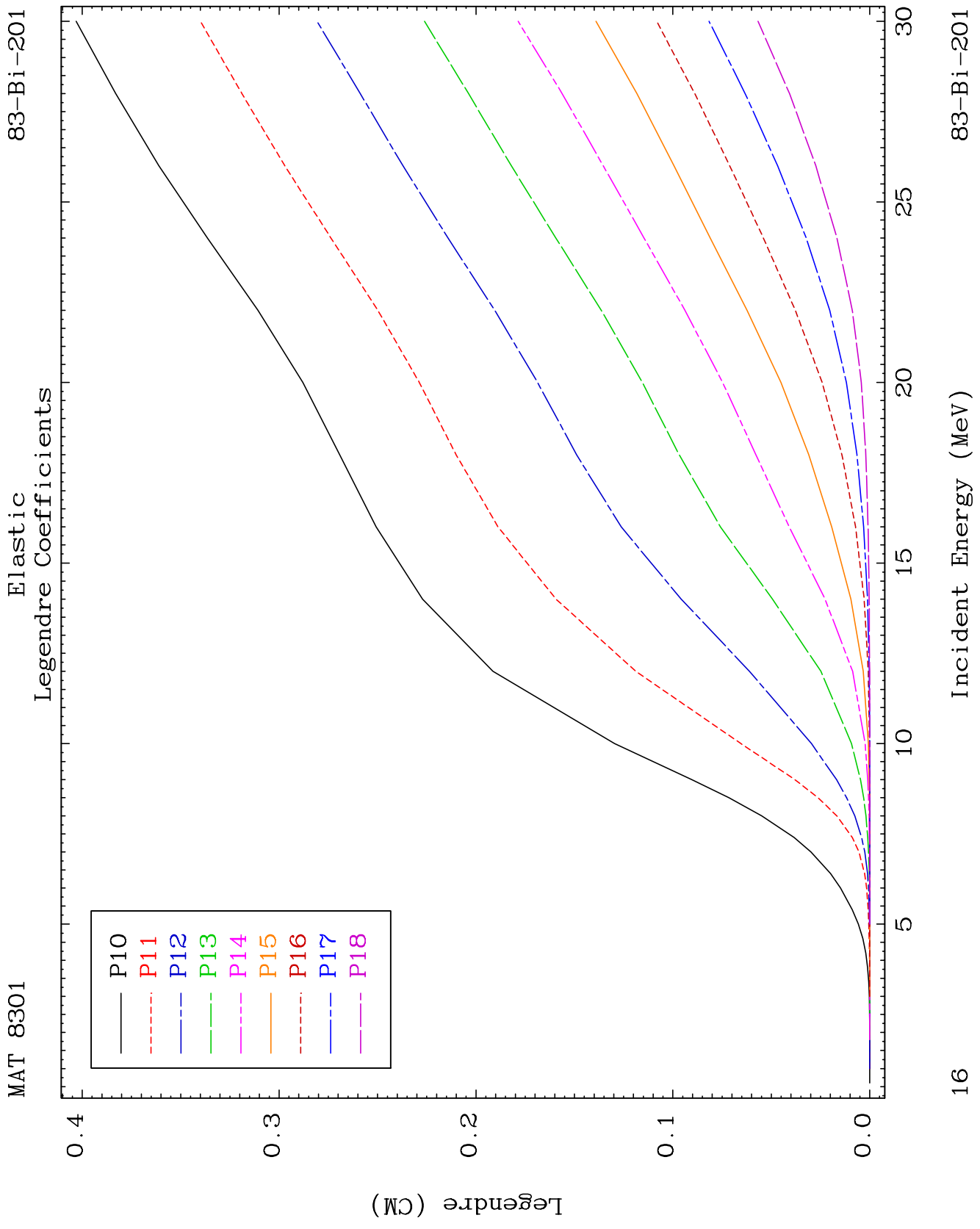
(n, α) Levels
293 Kelvin Cross Sections

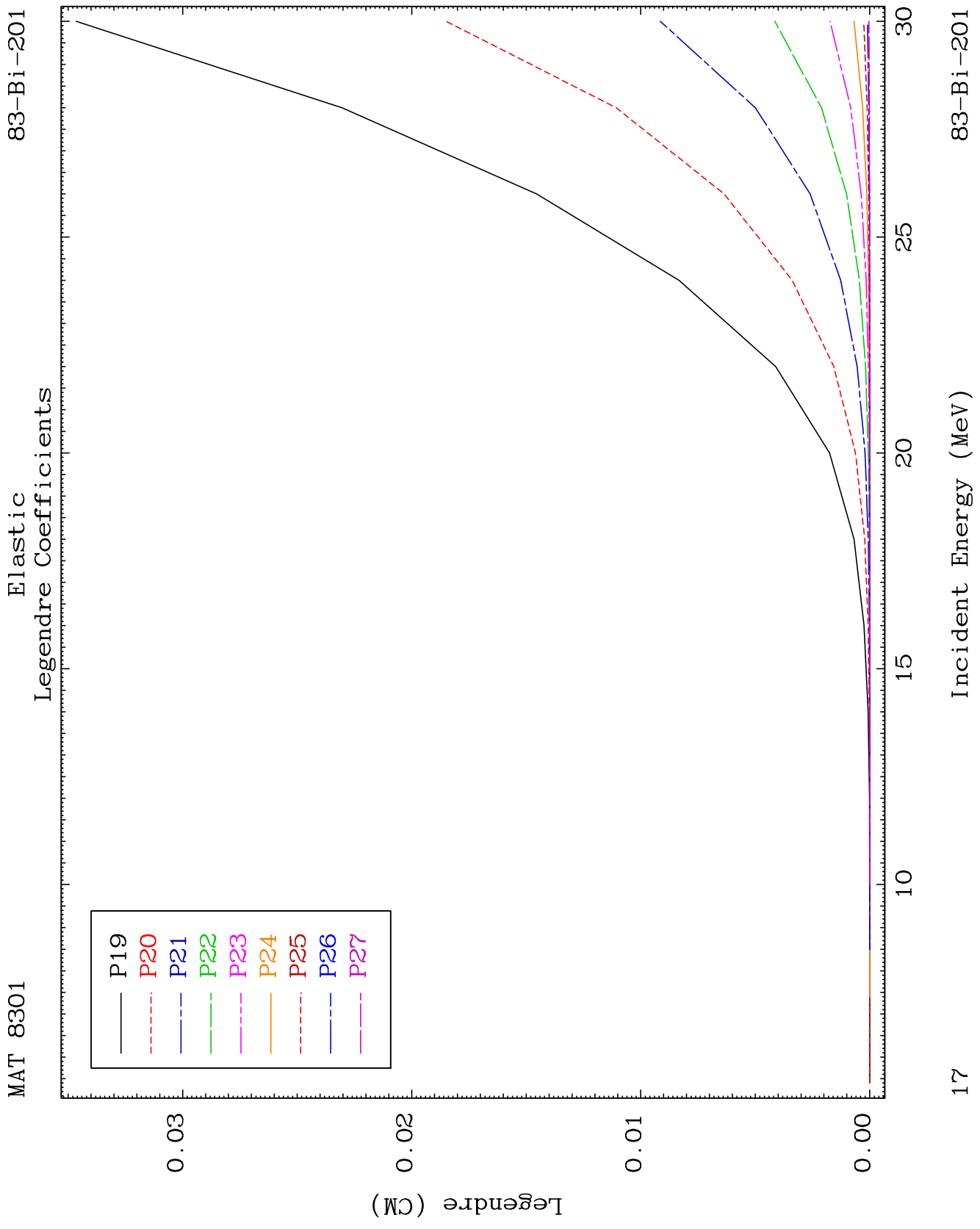
83-Bi-201







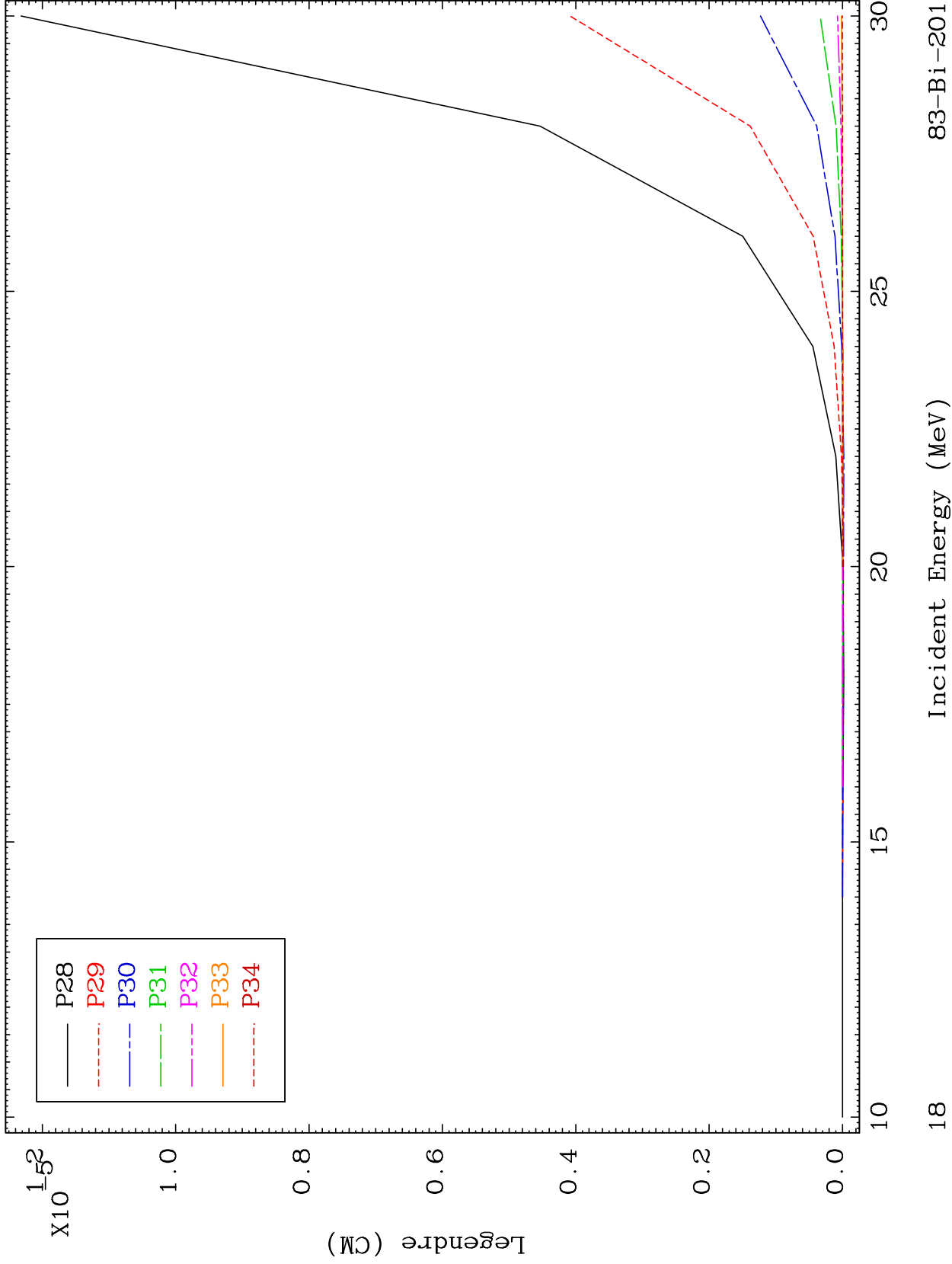




MAT 8301

Elastic Legendre Coefficients

83-Bi-201



18

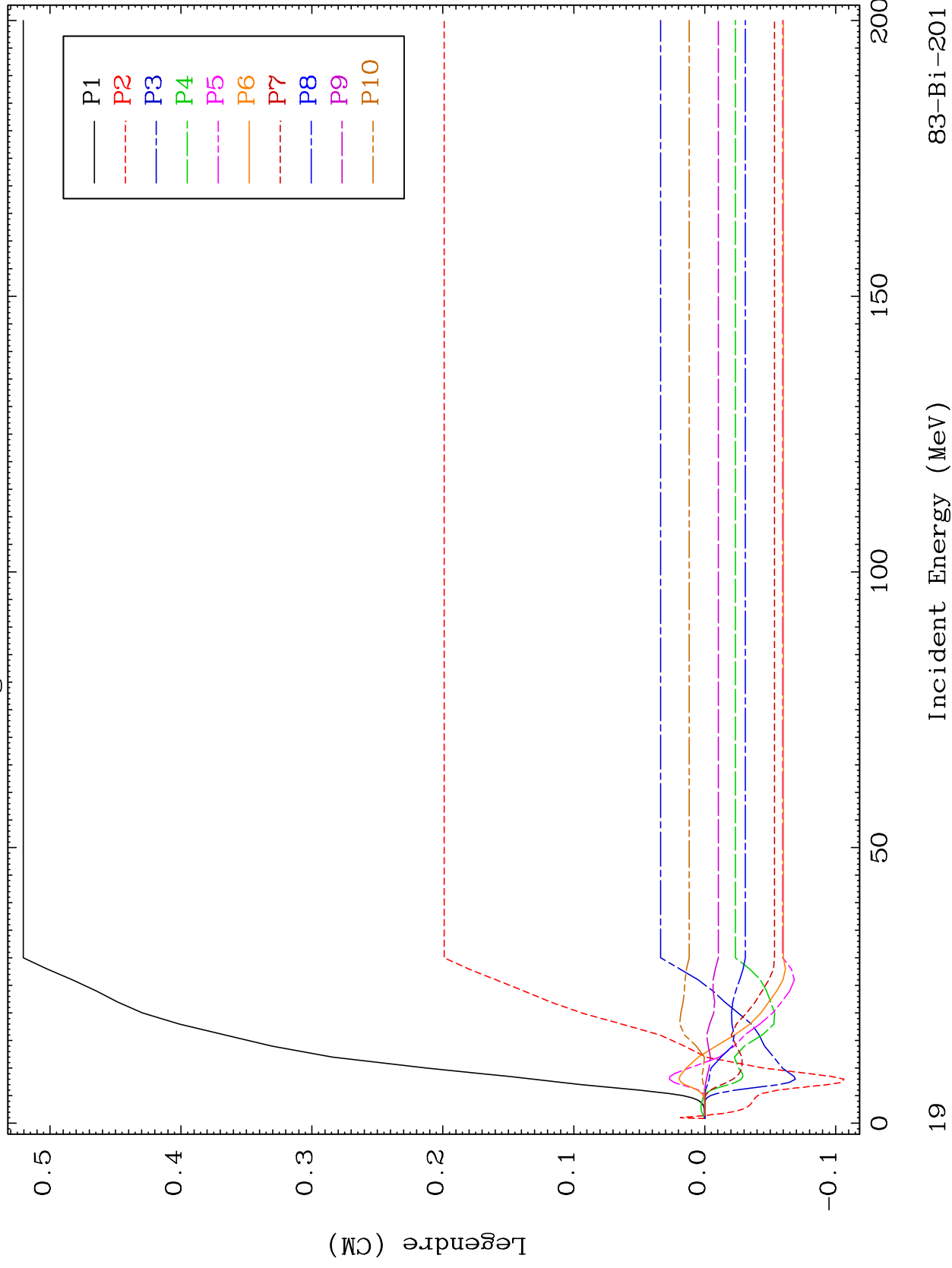
Incident Energy (MeV)

83-Bi-201

MAT 8301

846.3 keV (n,n') Level
Legendre Coefficients

83-Bi-201



83-Bi-201

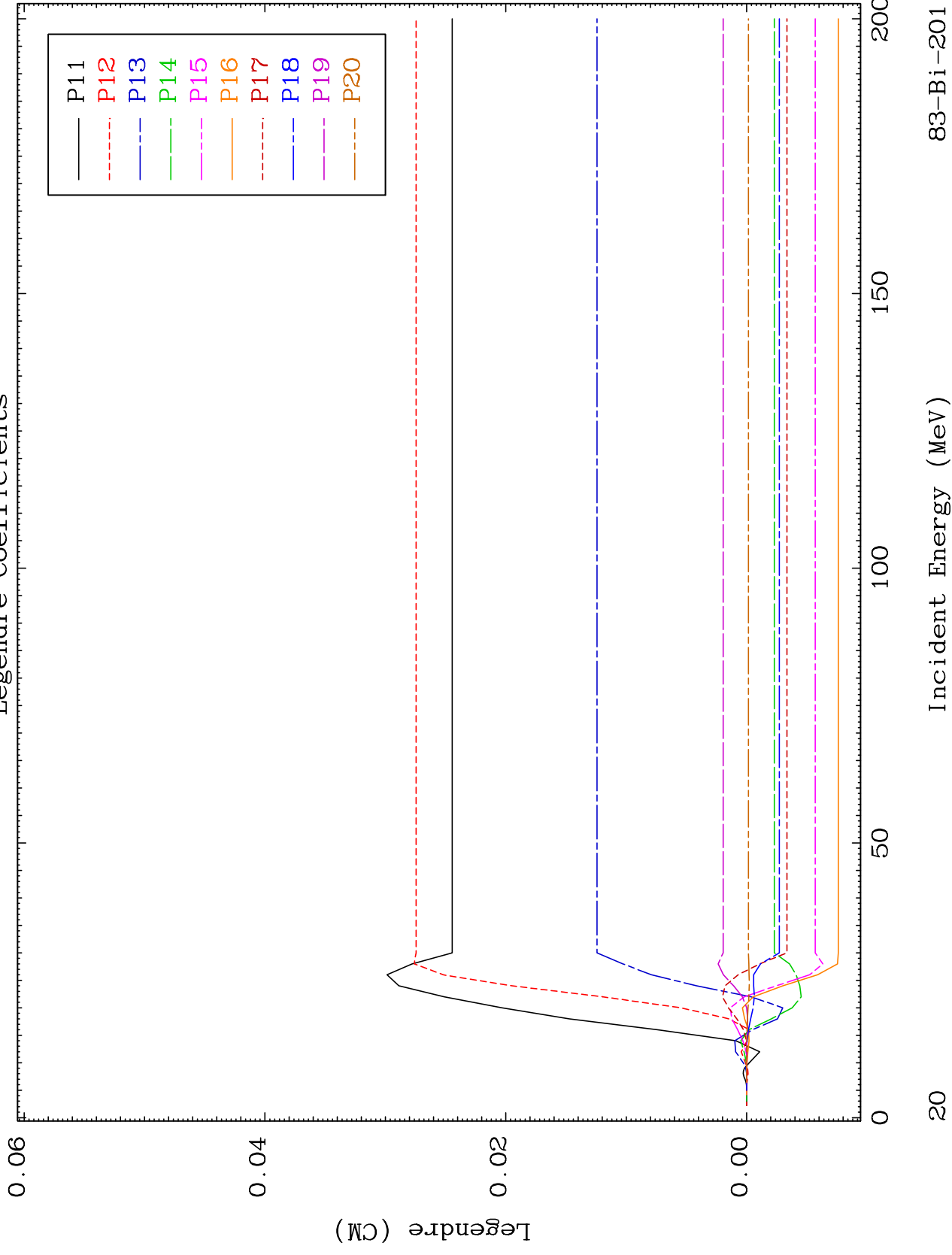
Incident Energy (MeV)

19

MAT 8301

846.3 keV (n,n') Level
Legendre Coefficients

83-Bi-201



83-Bi-201

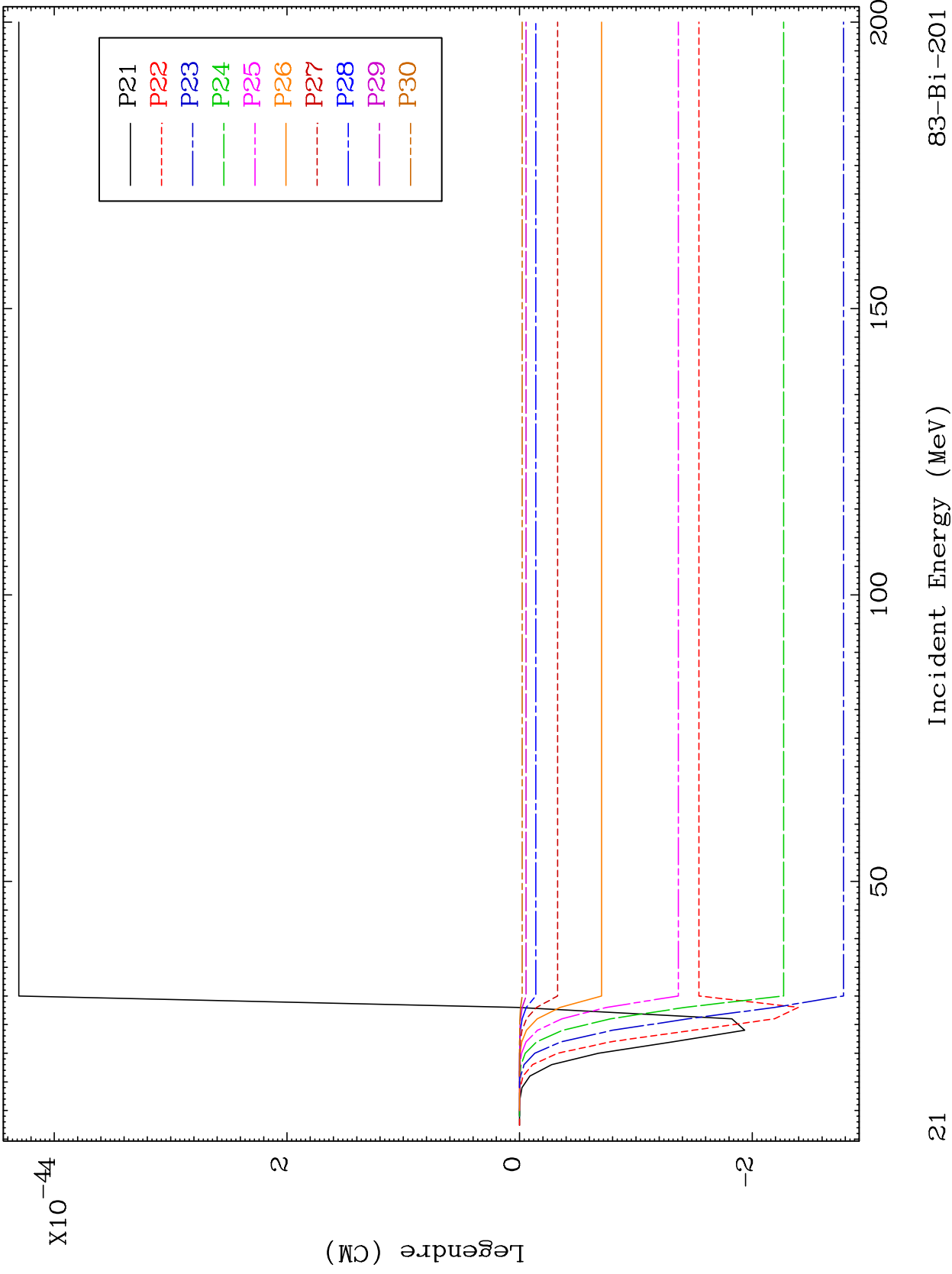
Incident Energy (MeV)

20

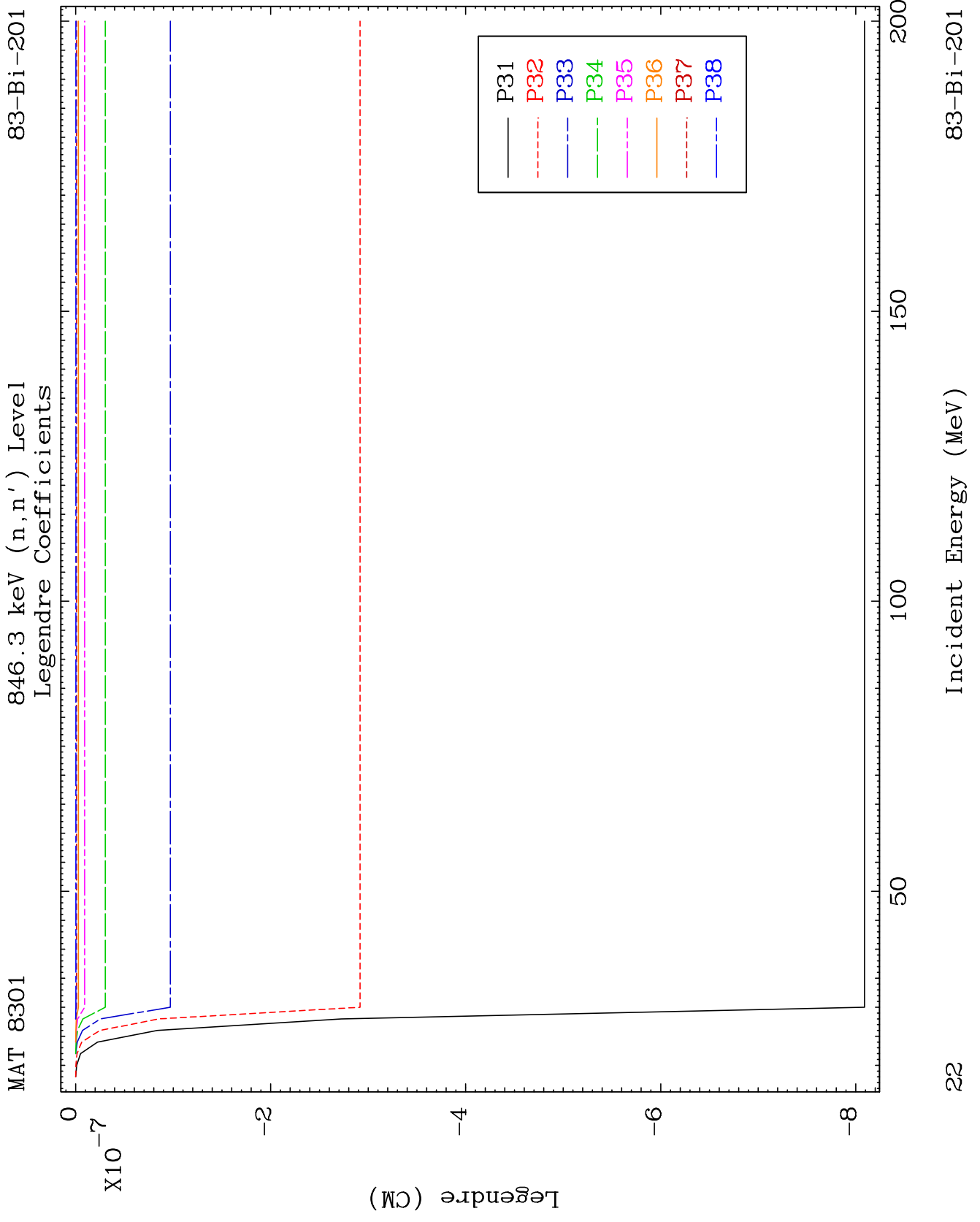
MAT 8301

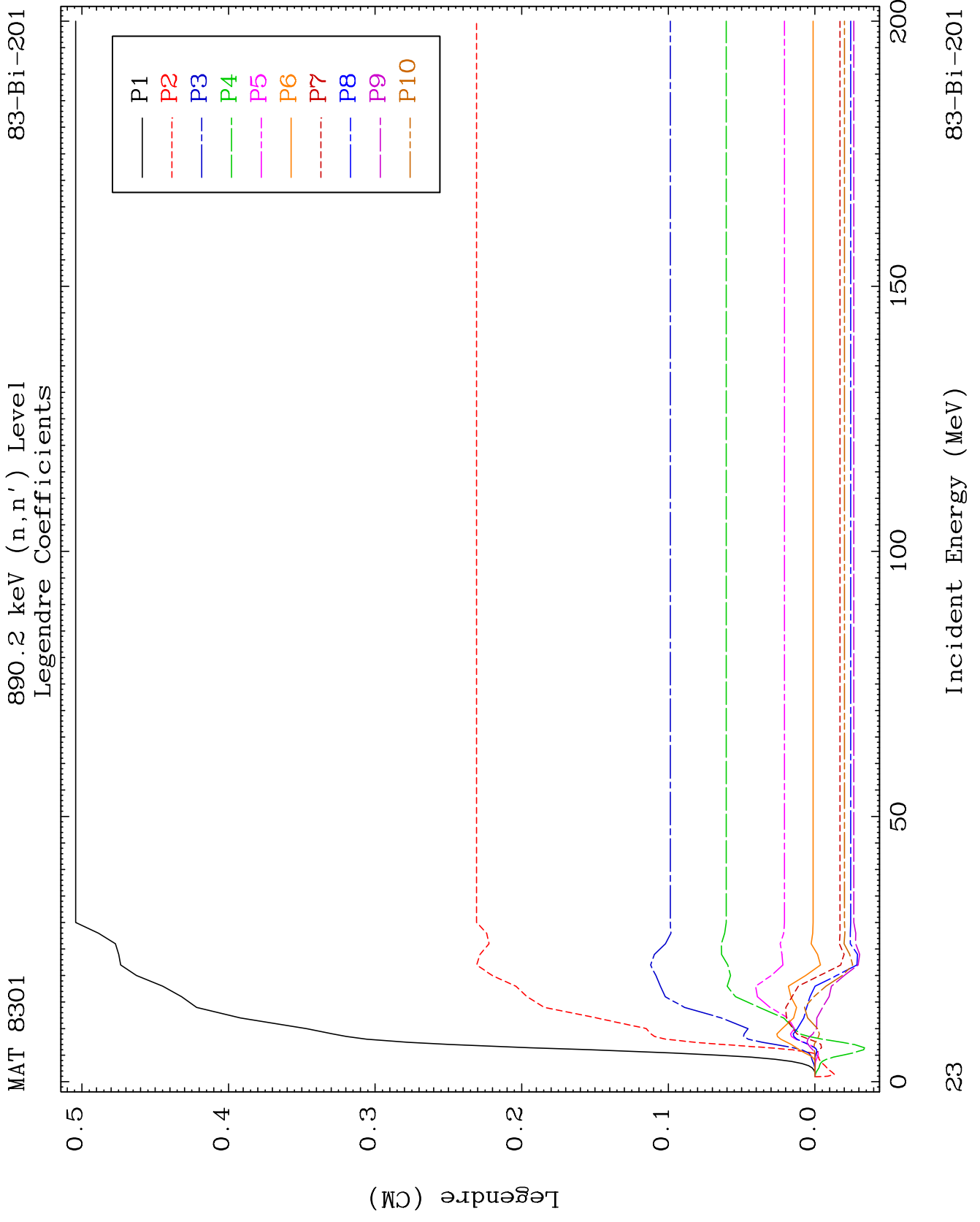
846.3 keV (n,n') Level
Legendre Coefficients

83-Bi-201



21

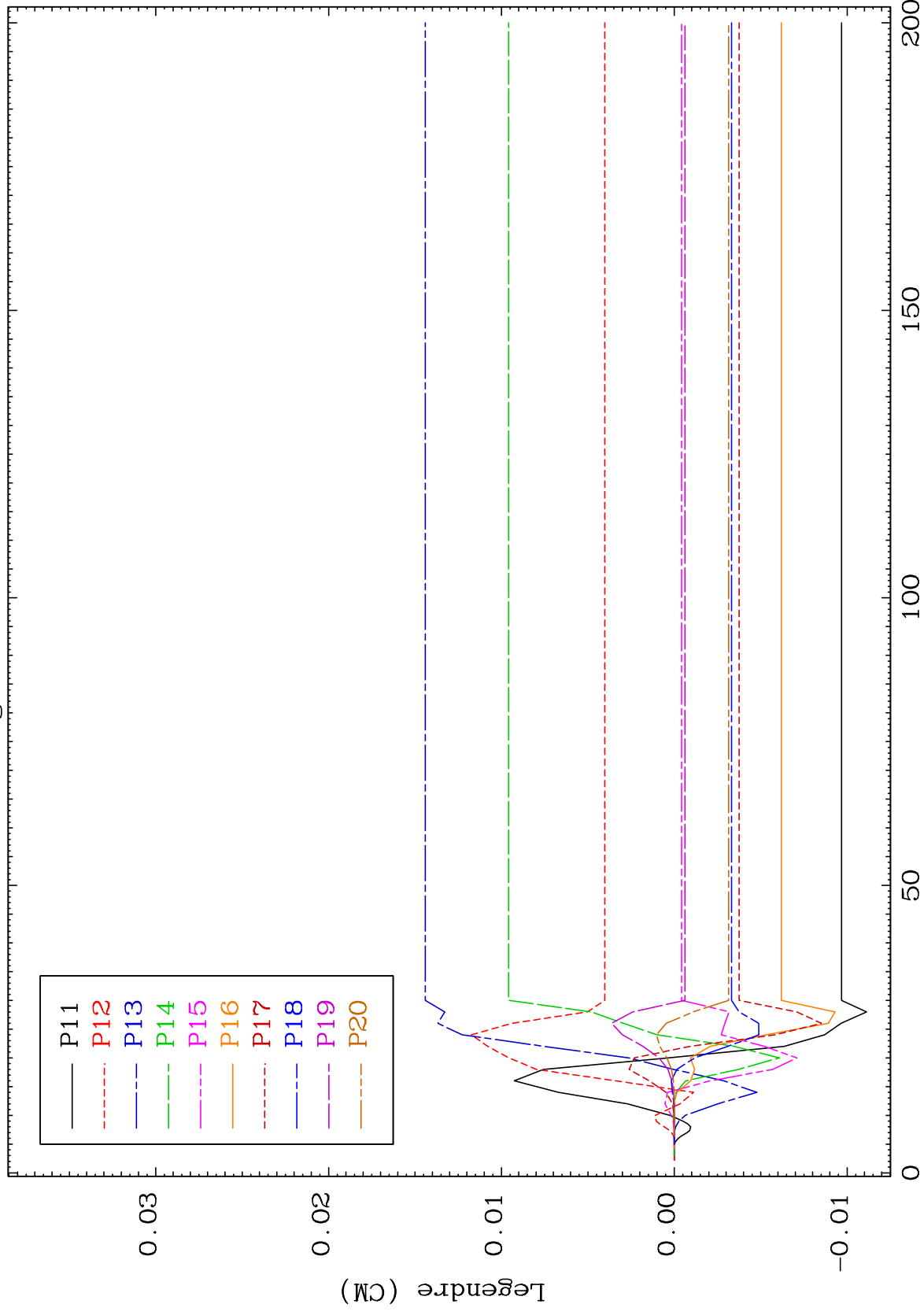




MAT 8301

83-Bi-201

890.2 keV (n,n') Level
Legendre Coefficients



24

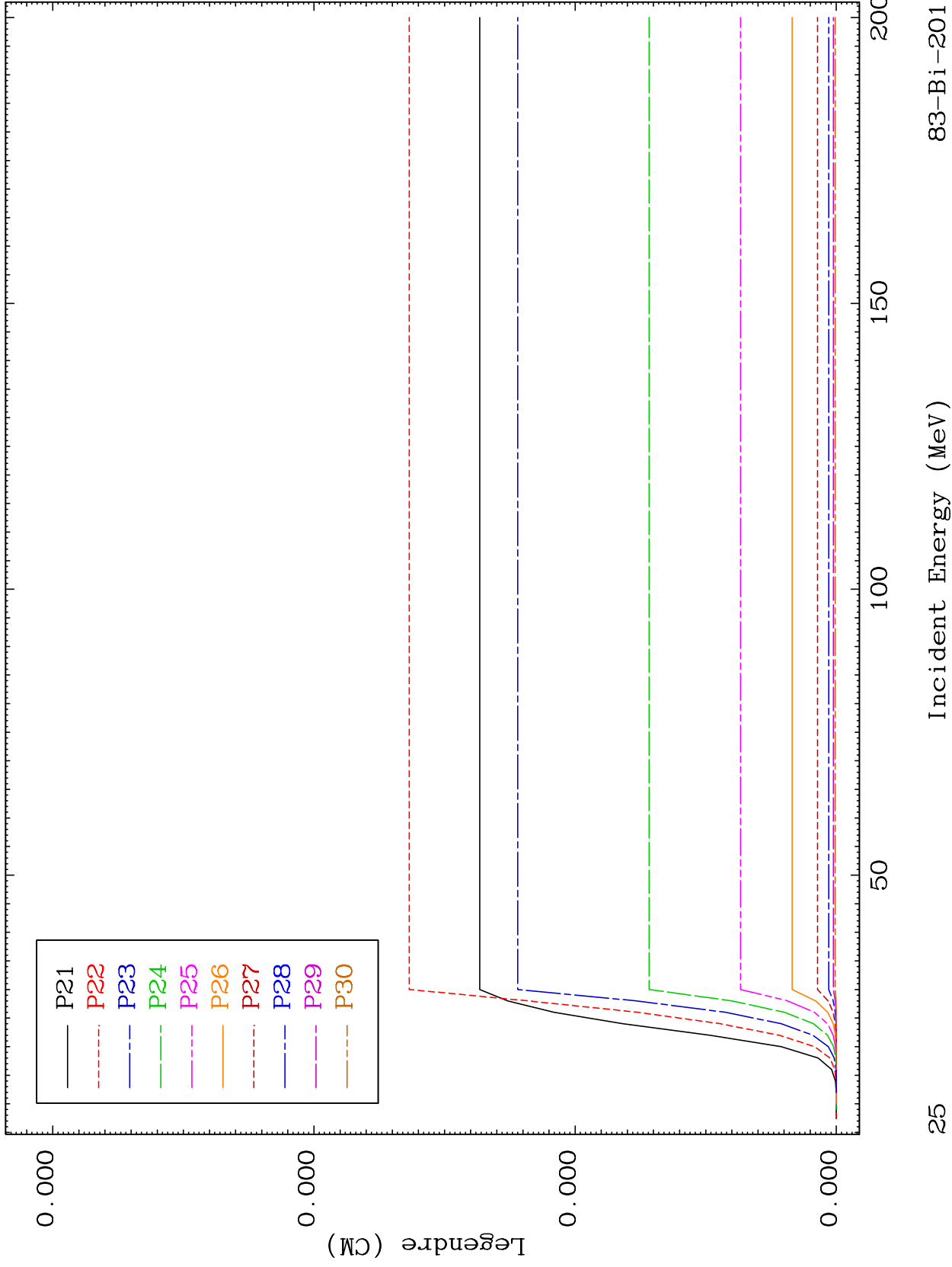
83-Bi-201

Incident Energy (MeV)

MAT 8301

890.2 keV (n,n') Level
Legendre Coefficients

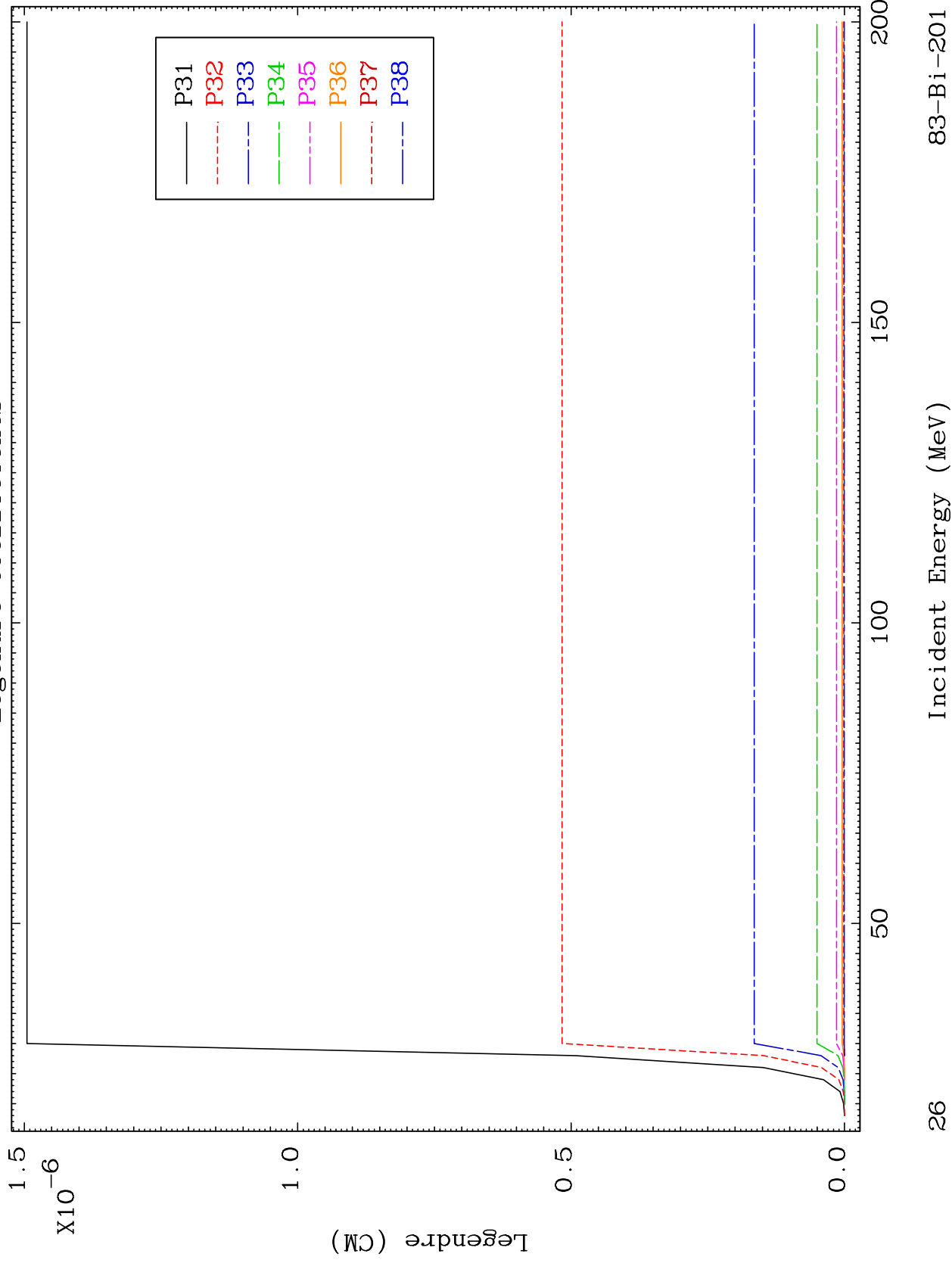
83-Bi-201



25

Incident Energy (MeV)

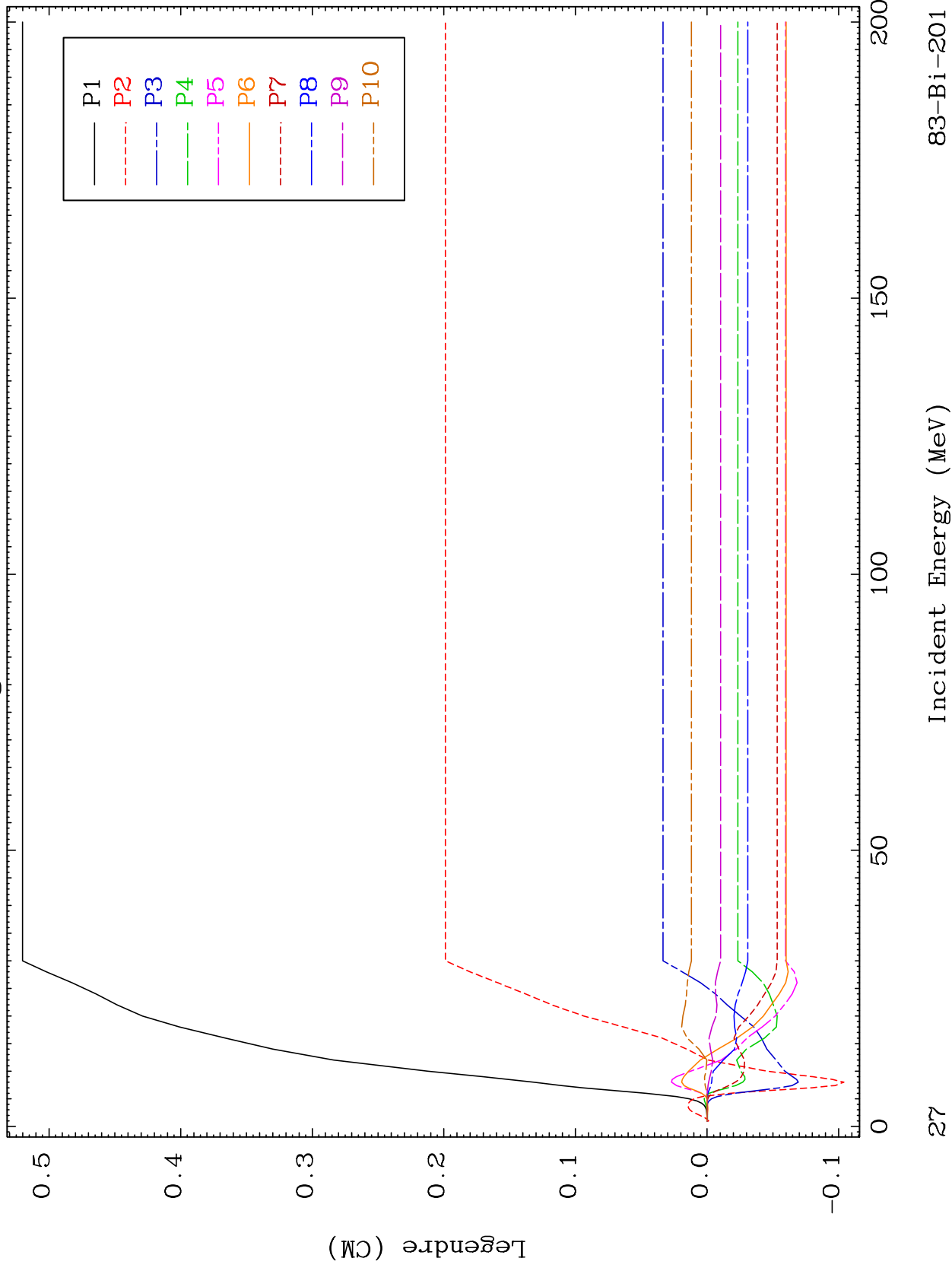
83-Bi-201



MAT 8301

904.2 keV (n,n') Level
Legendre Coefficients

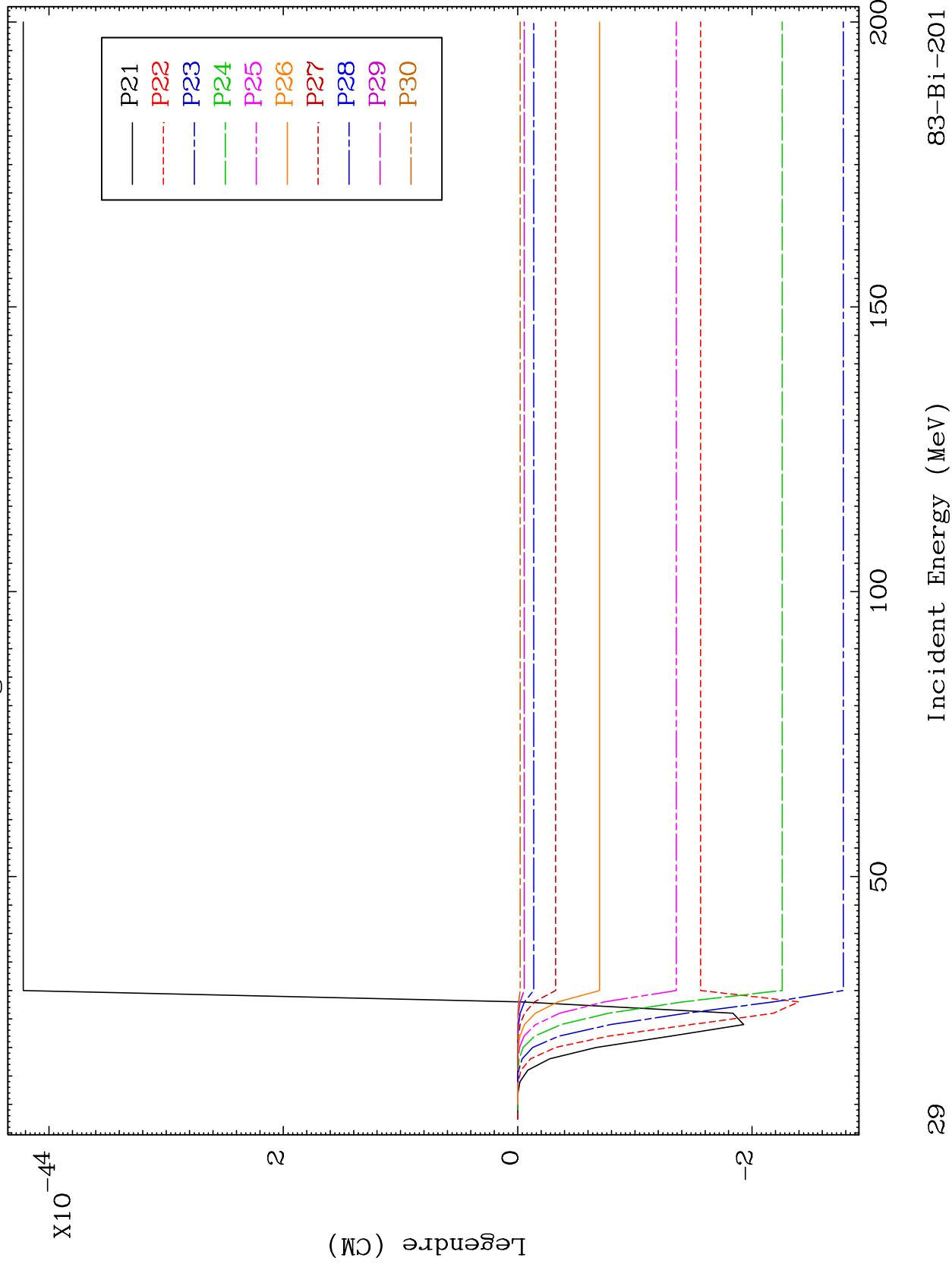
83-Bi-201



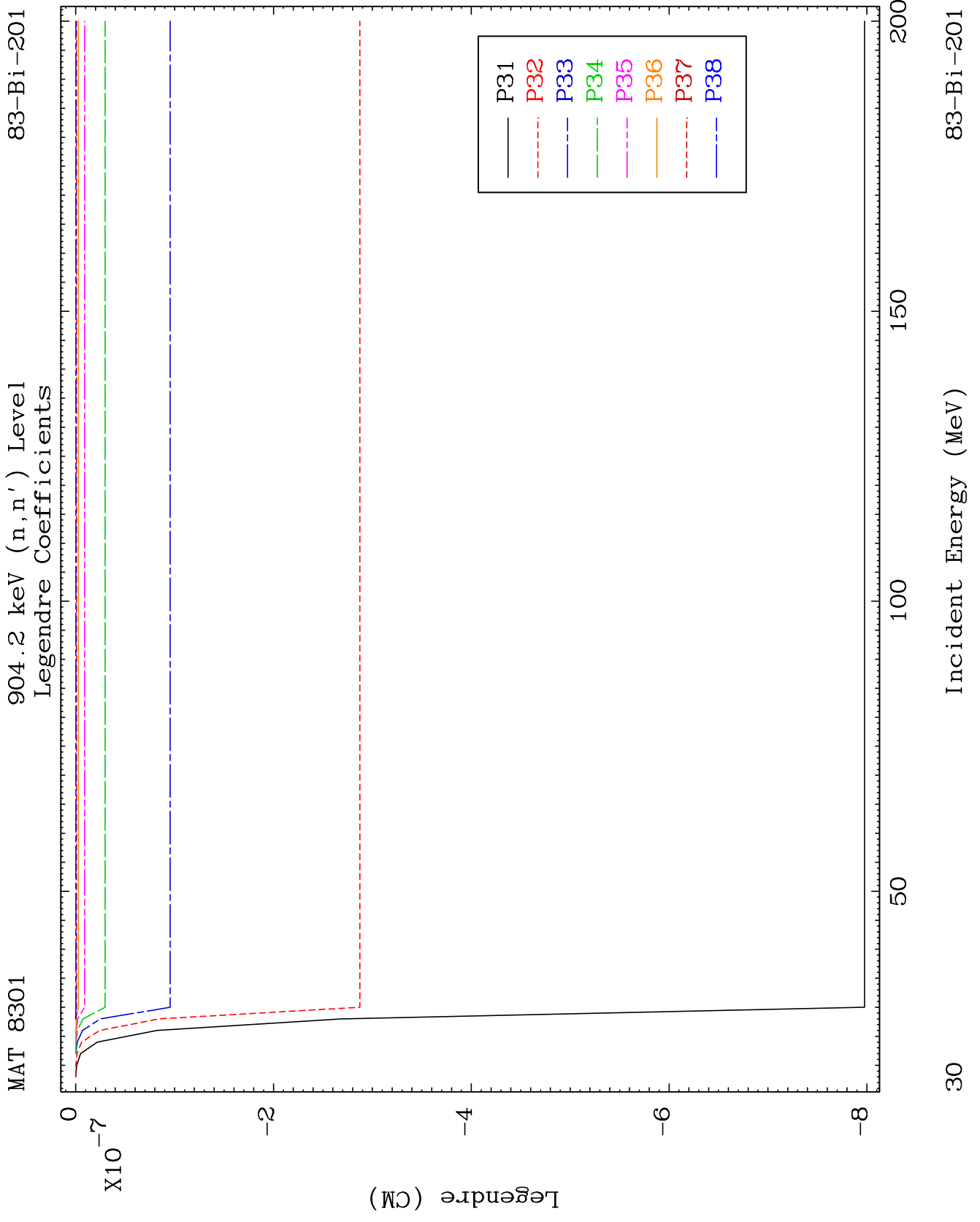
MAT 8301

904.2 keV (n,n') Level
Legendre Coefficients

83-Bi-201



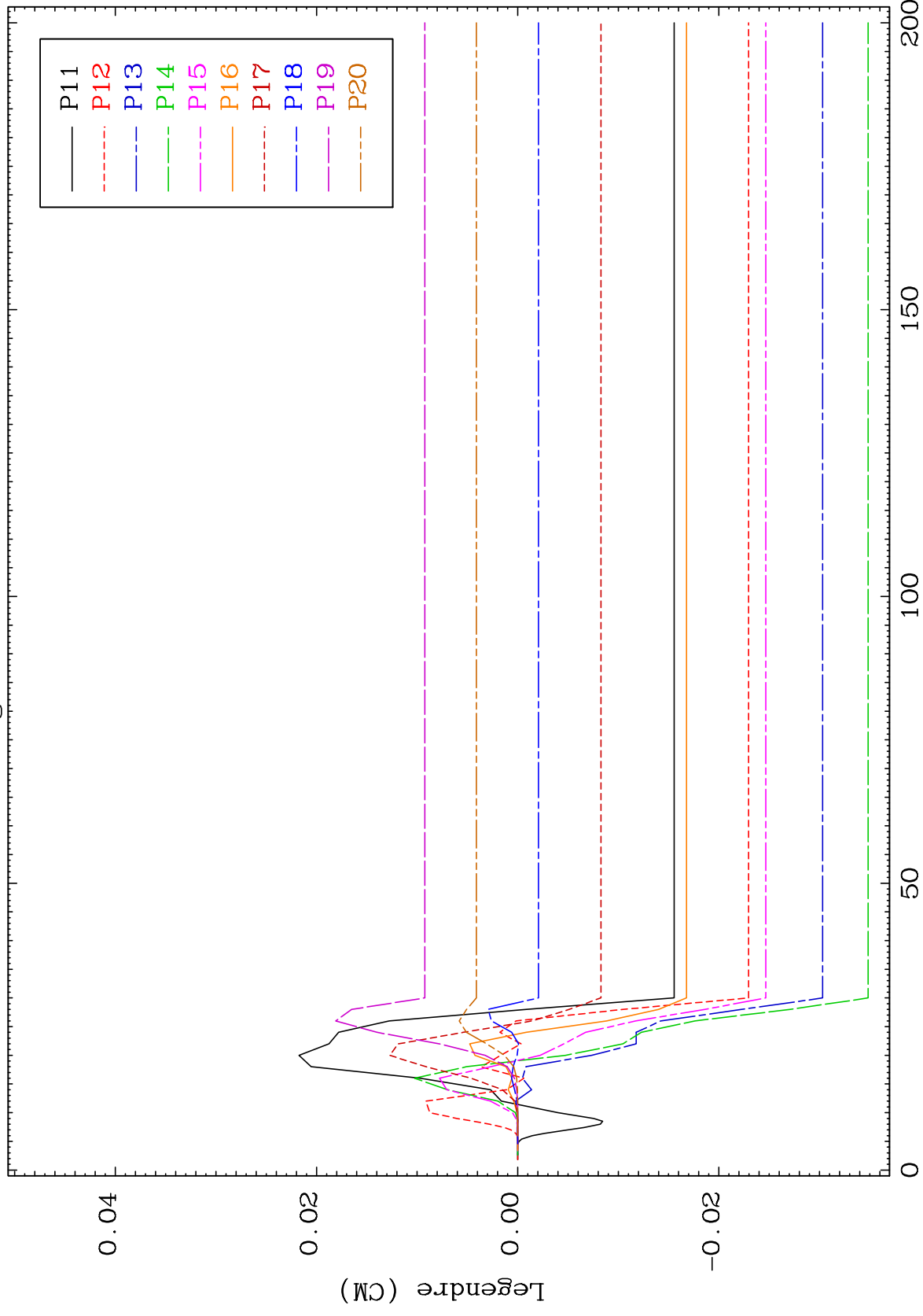
29



MAT 8301

964.4 keV (n,n') Level
Legendre Coefficients

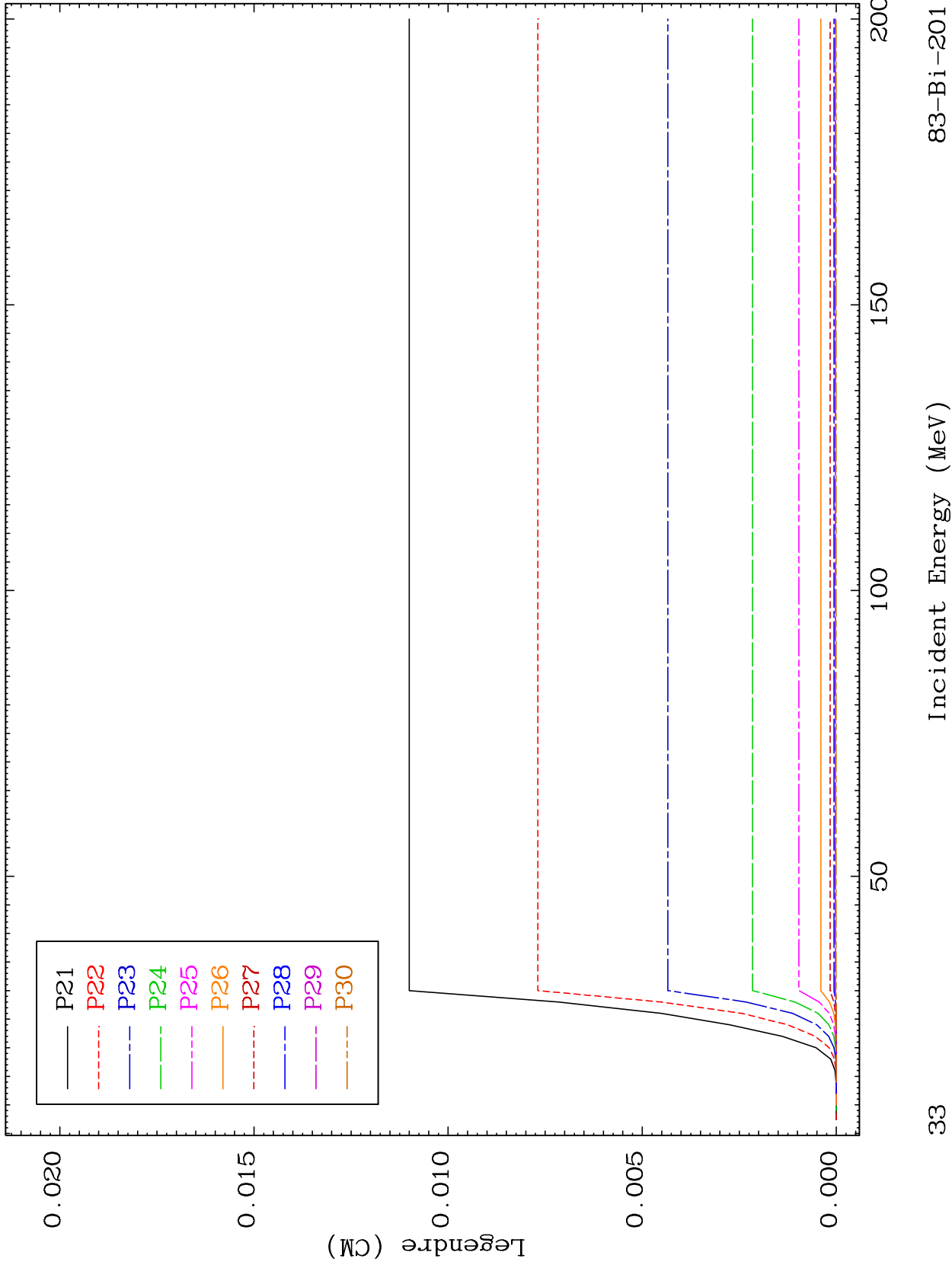
83-Bi-201



32

Incident Energy (MeV)

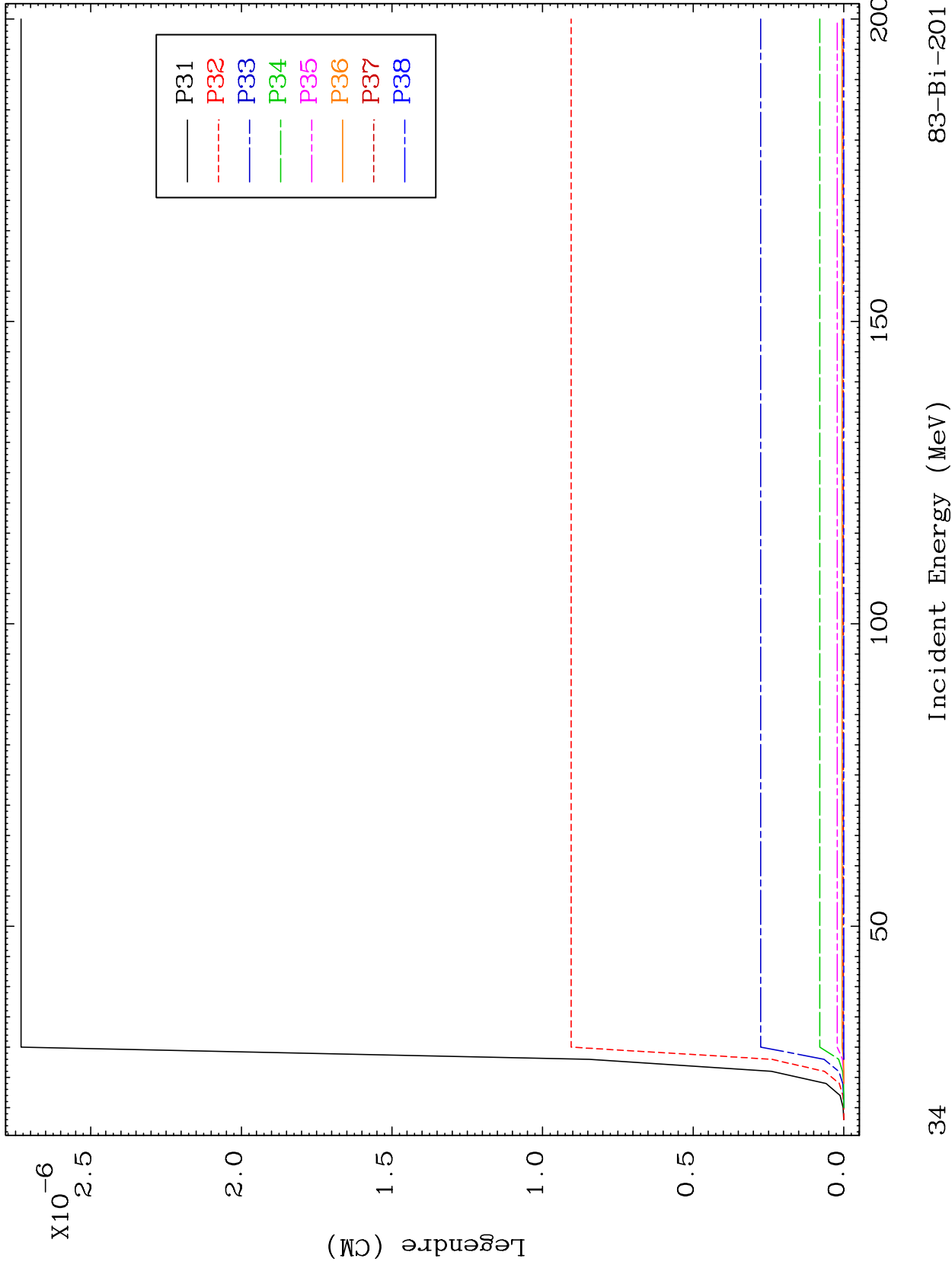
83-Bi-201



MAT 8301

964.4 keV (n,n') Level
Legendre Coefficients

83-Bi-201



34

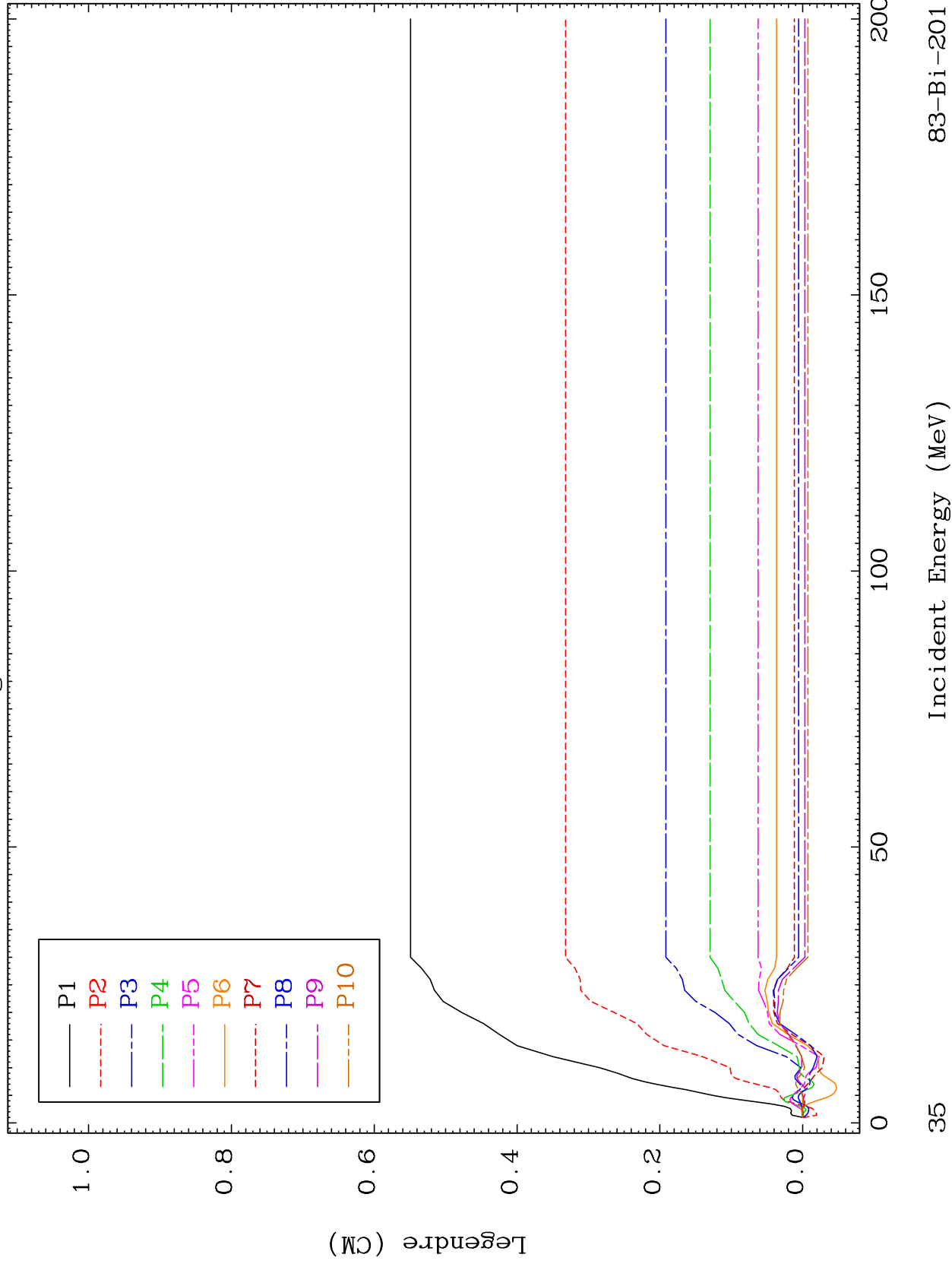
Incident Energy (MeV)

83-Bi-201

MAT 8301

967.5 keV (n,n') Level
Legendre Coefficients

83-Bi-201



83-Bi-201

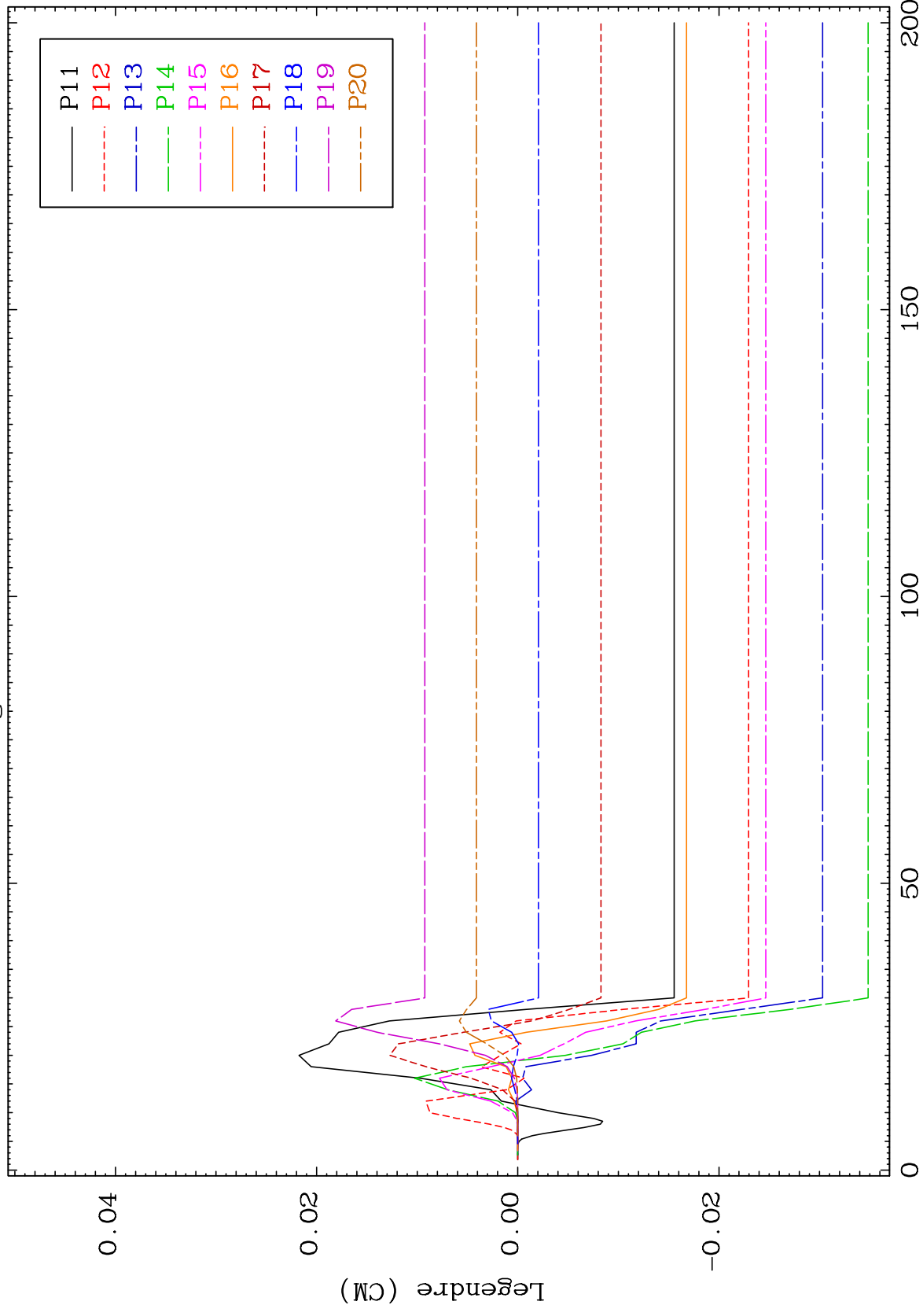
Incident Energy (MeV)

35

MAT 8301

967.5 keV (n,n') Level
Legendre Coefficients

83-Bi-201



36

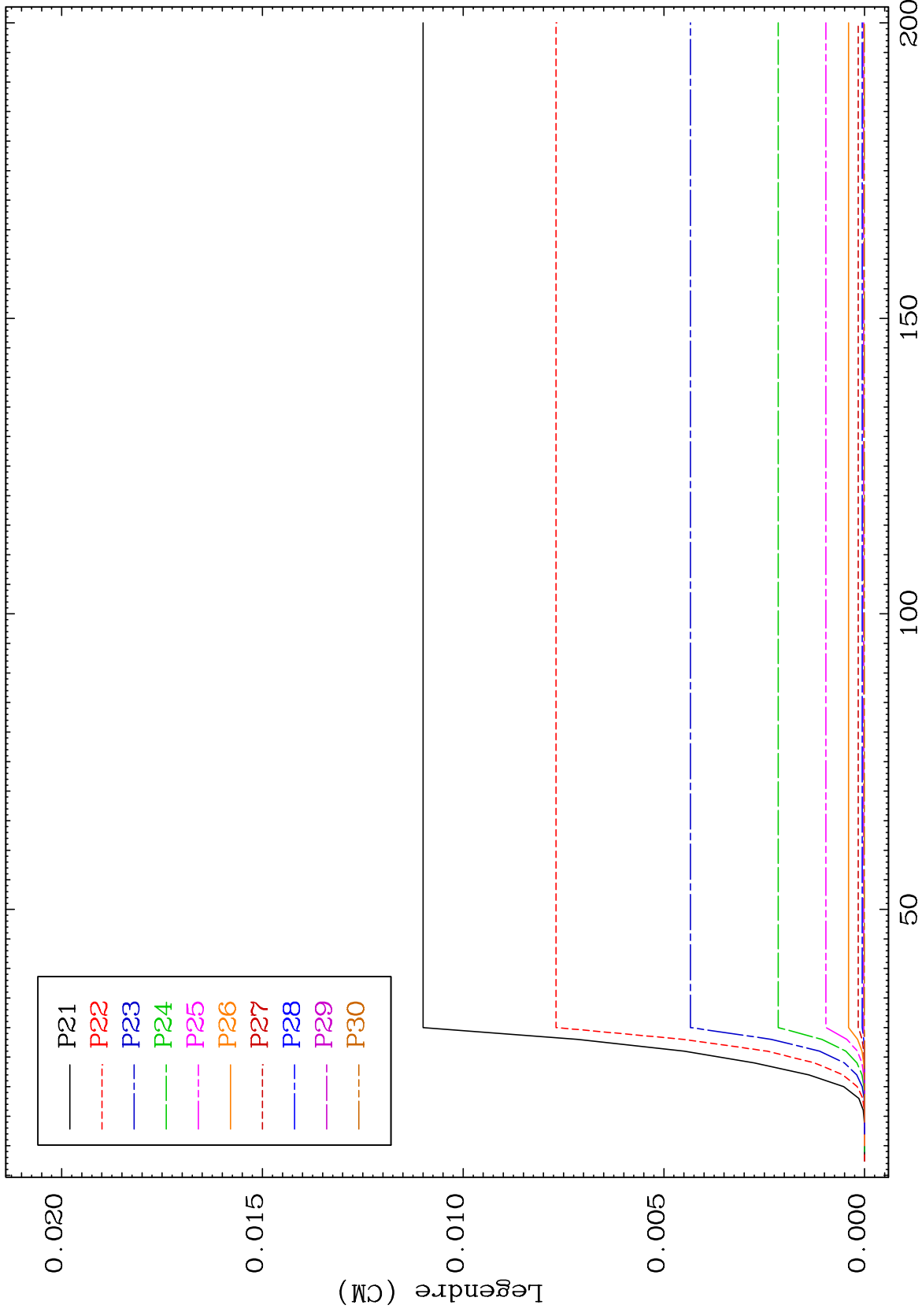
Incident Energy (MeV)

83-Bi-201

MAT 8301

967.5 keV (n,n') Level
Legendre Coefficients

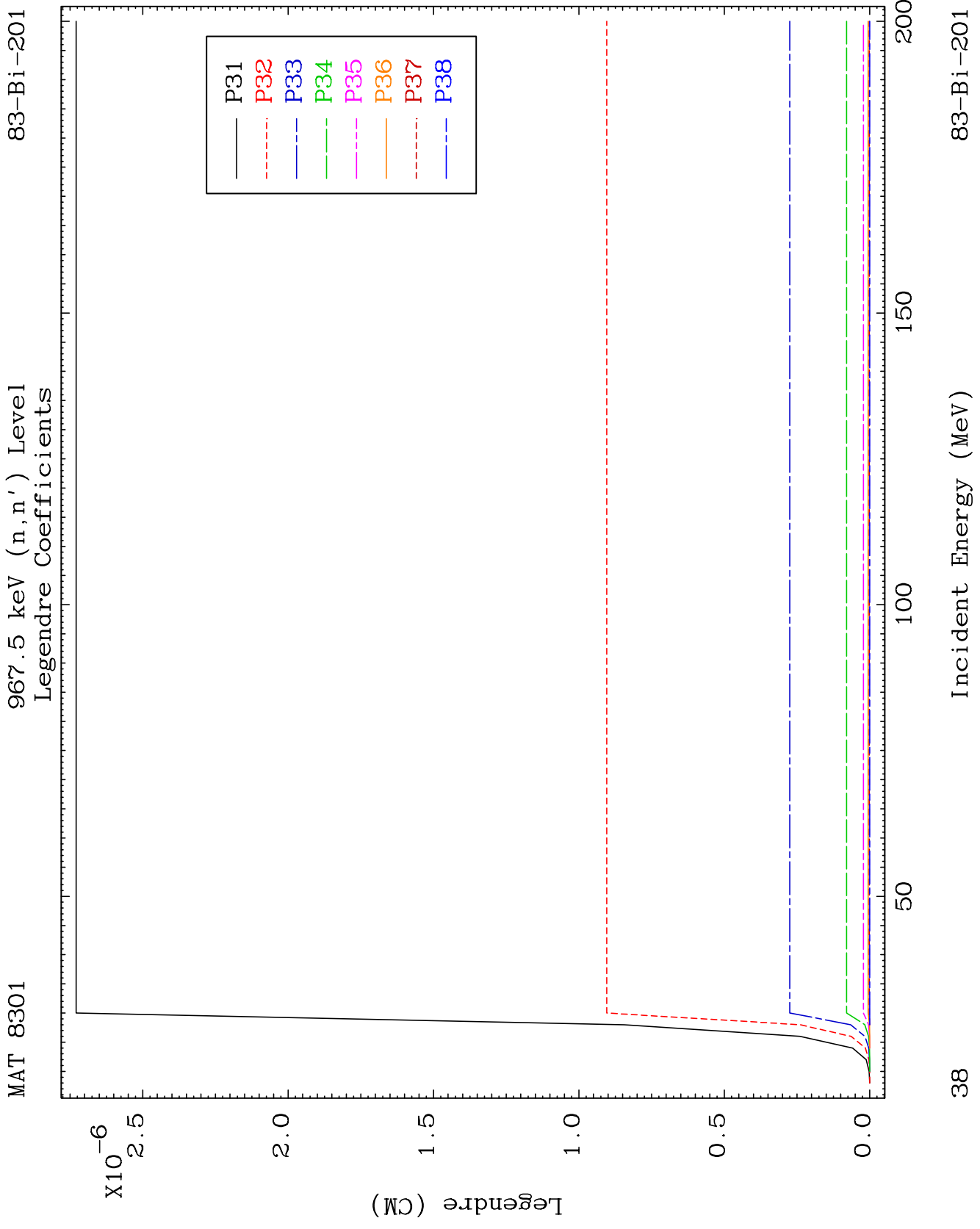
83-Bi-201

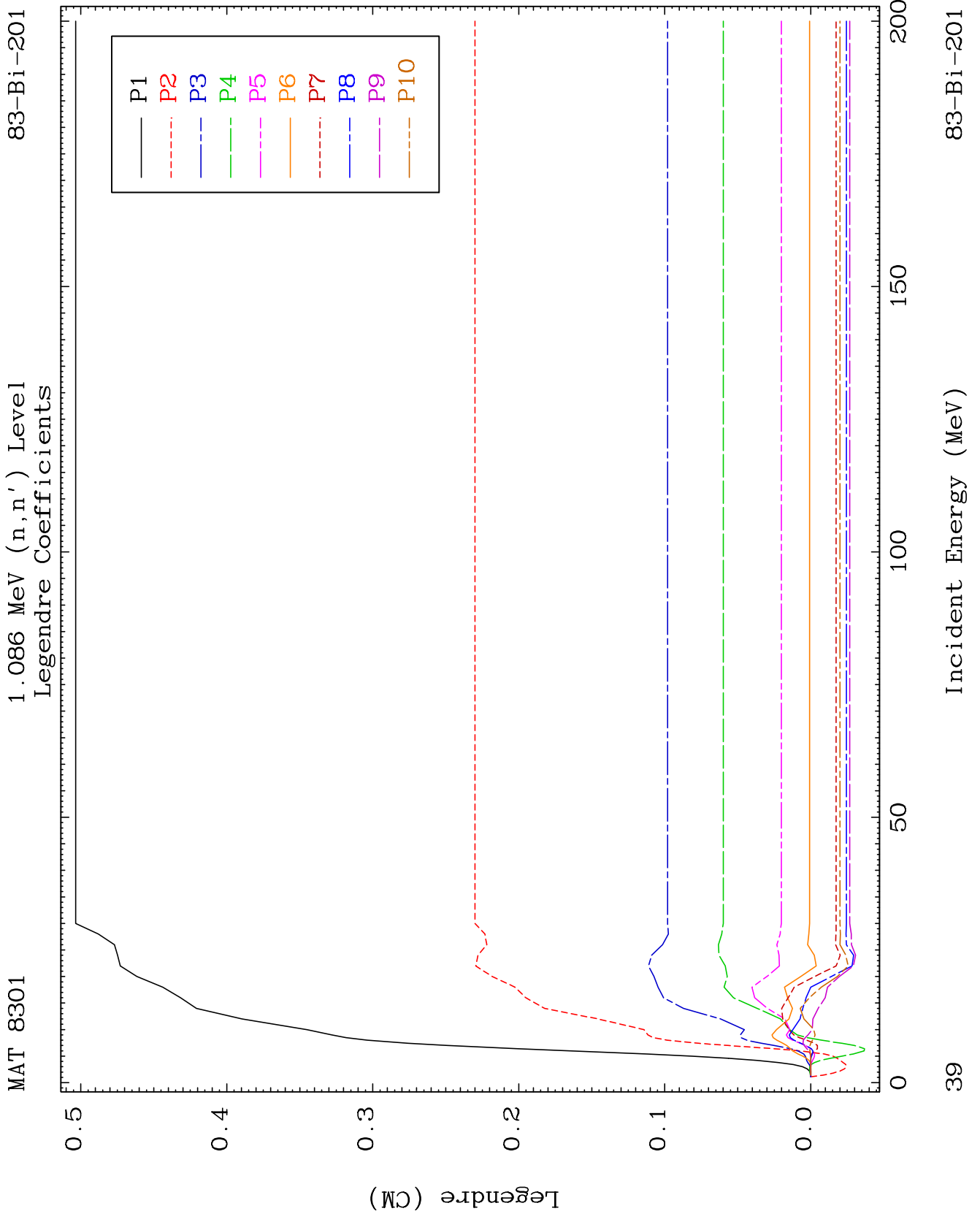


37

Incident Energy (MeV)

83-Bi-201

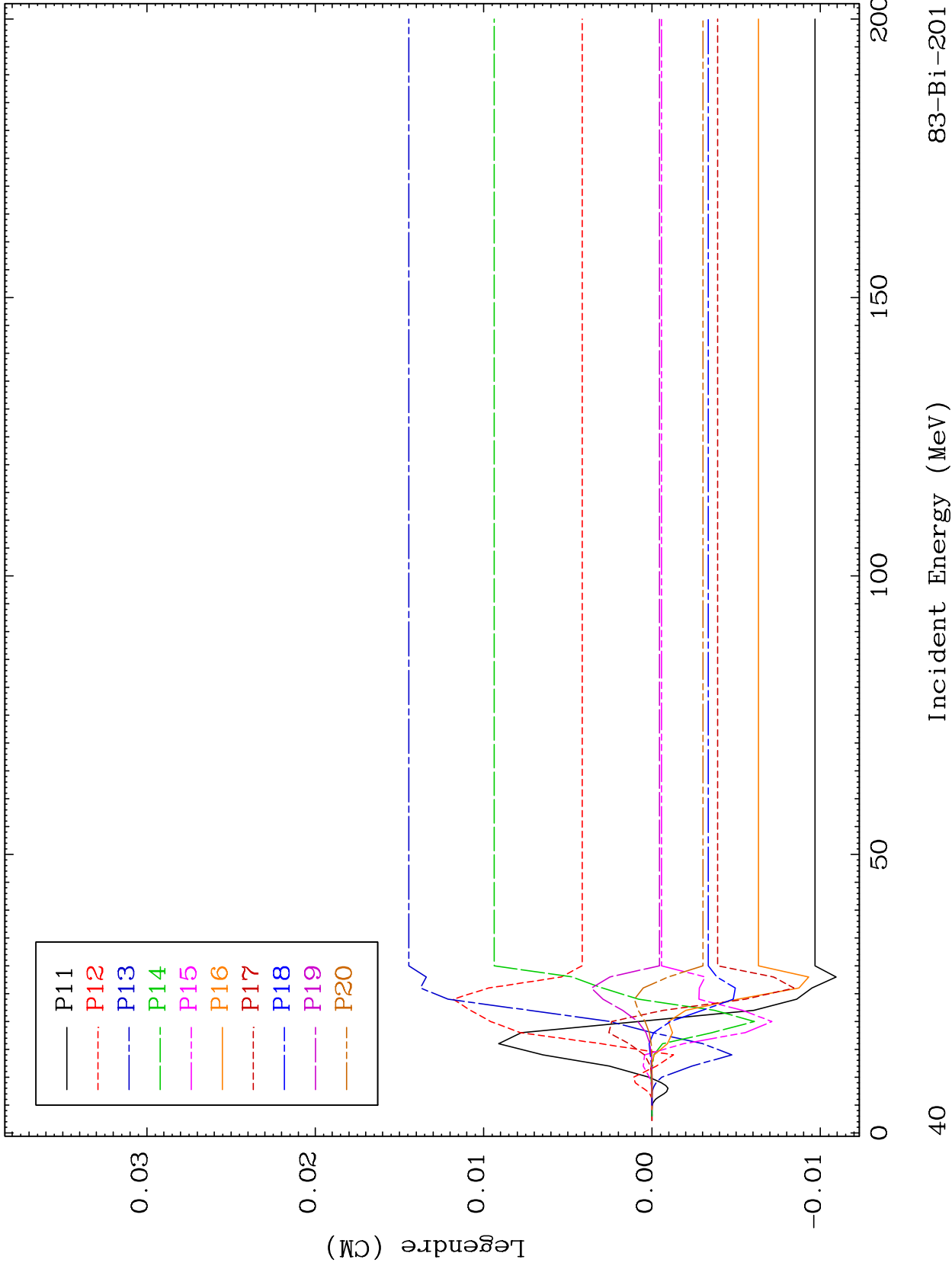




MAT 8301

1.086 MeV (n,n') Level
Legendre Coefficients

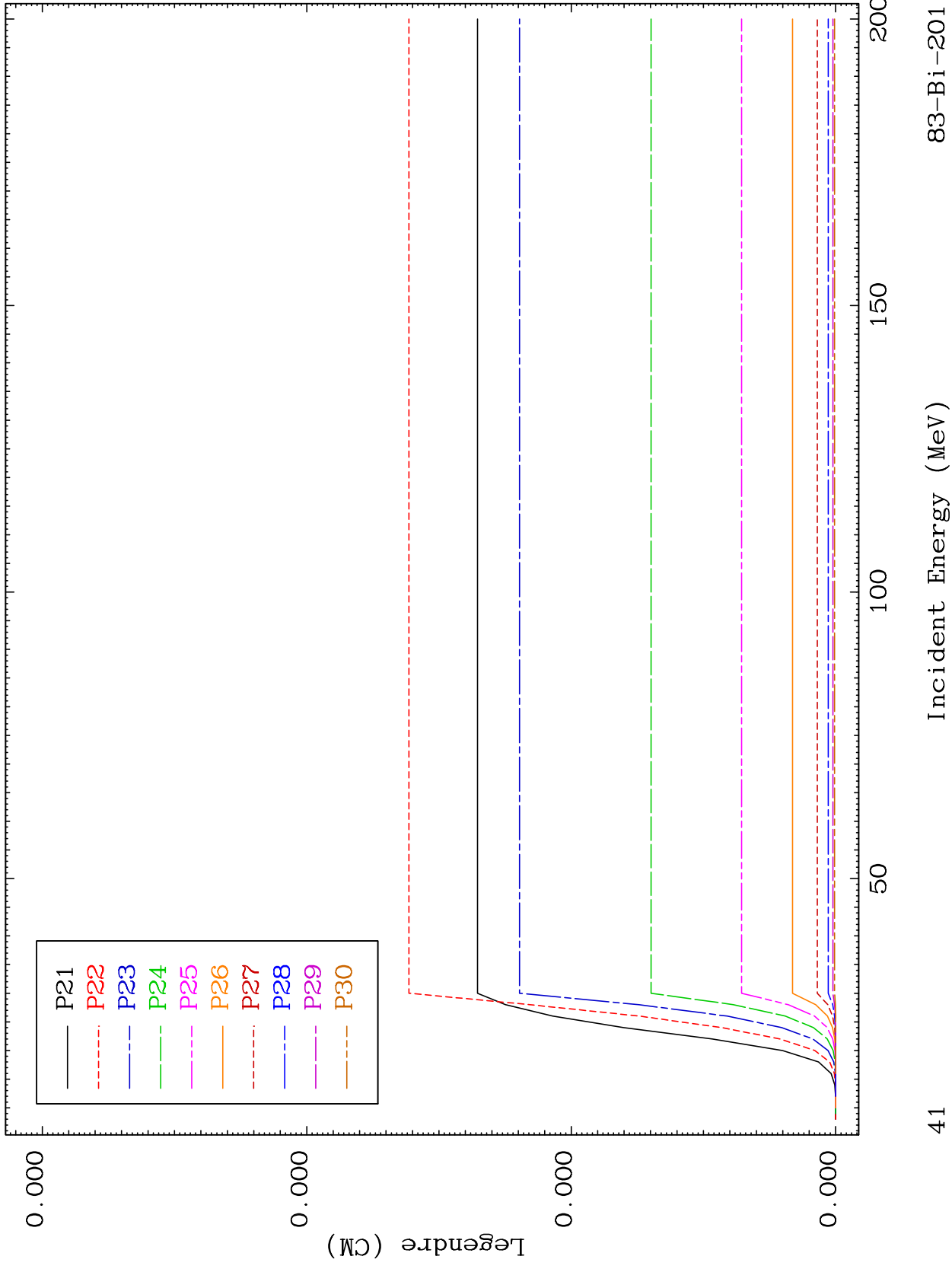
83-Bi-201



MAT 8301

1.086 MeV (n,n') Level
Legendre Coefficients

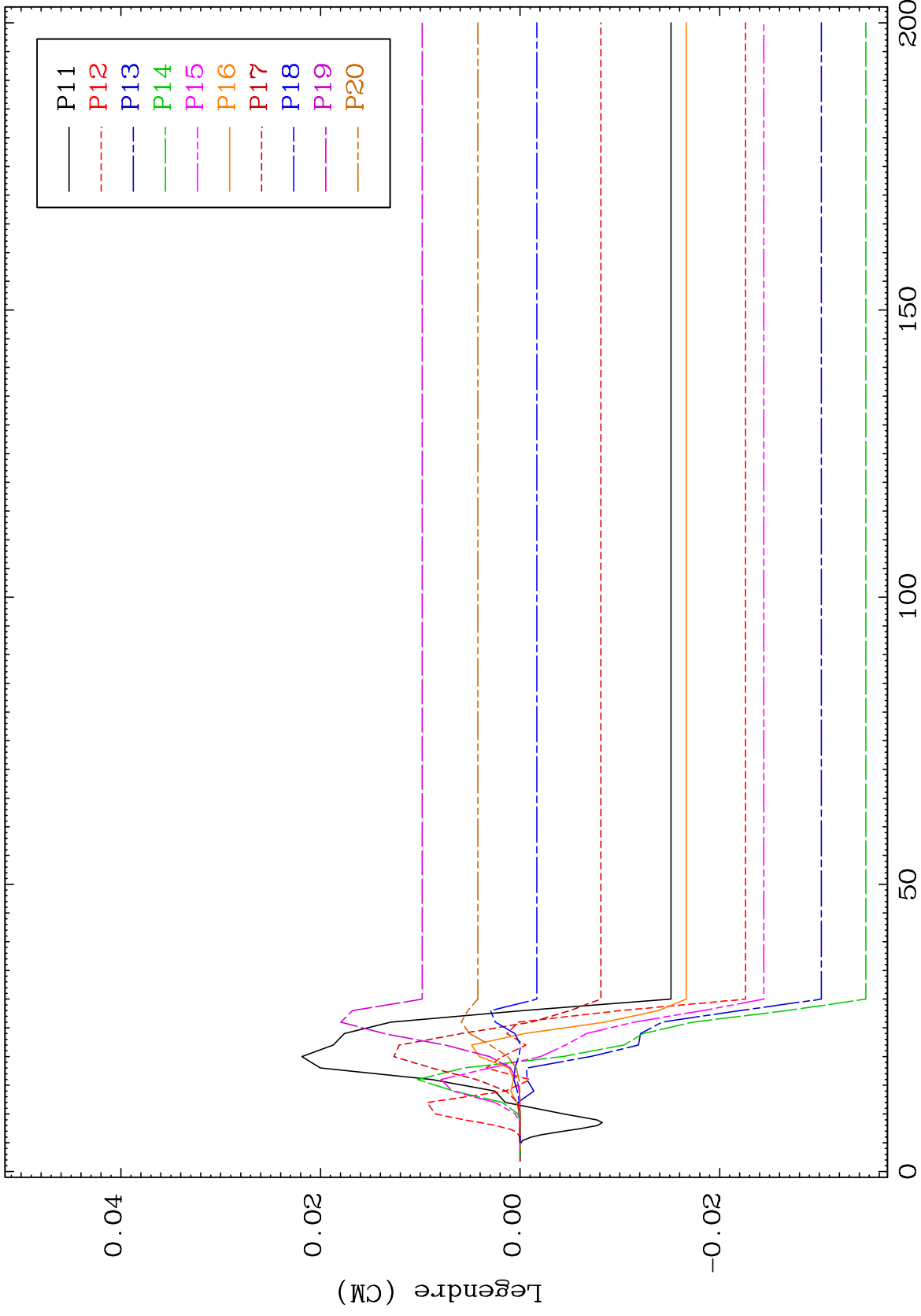
83-Bi-201



MAT 8301

1.187 MeV (n,n') Level
Legendre Coefficients

83-Bi-201



44

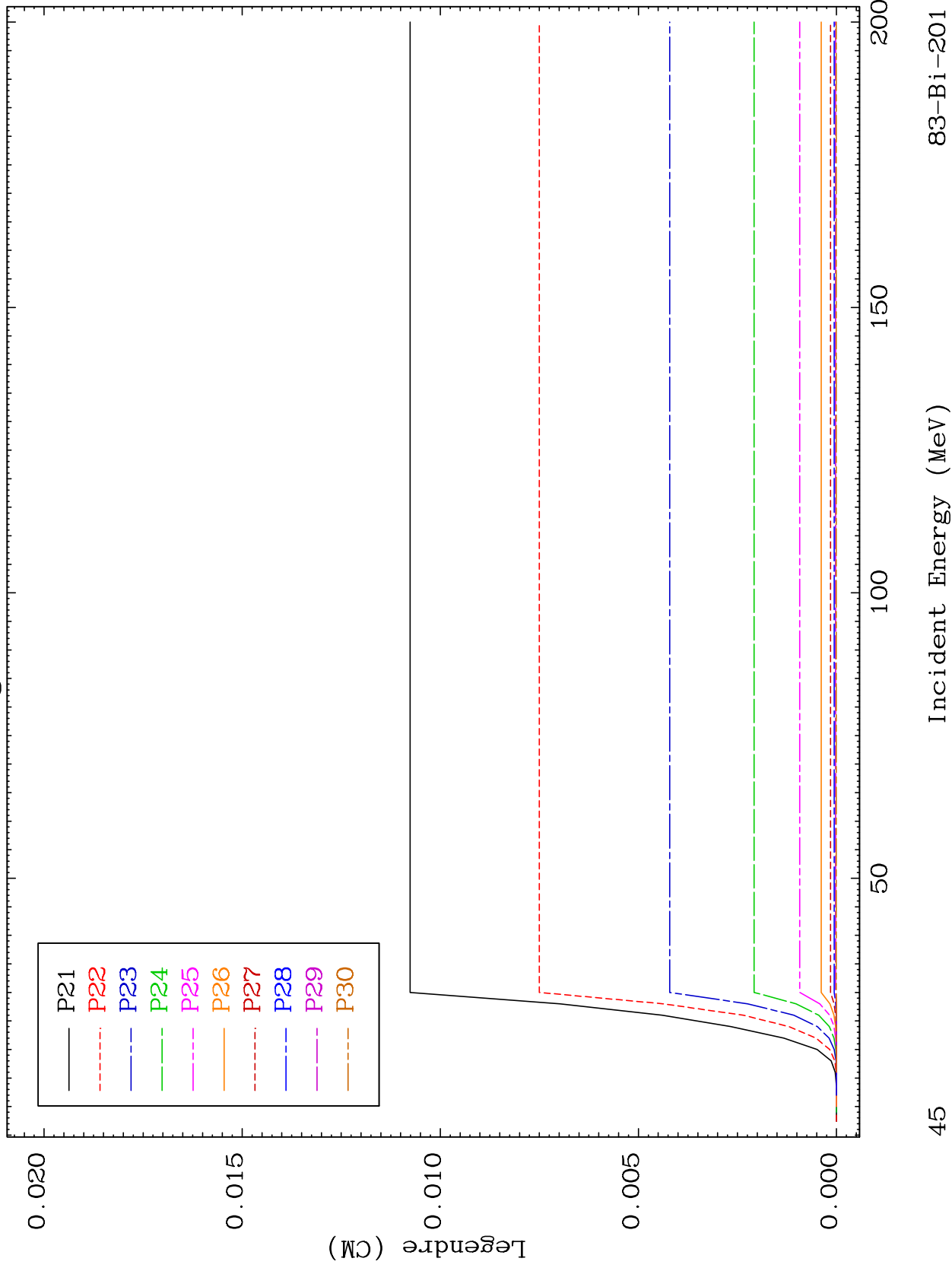
Incident Energy (MeV)

83-Bi-201

MAT 8301

1.187 MeV (n,n') Level
Legendre Coefficients

83-Bi-201



83-Bi-201

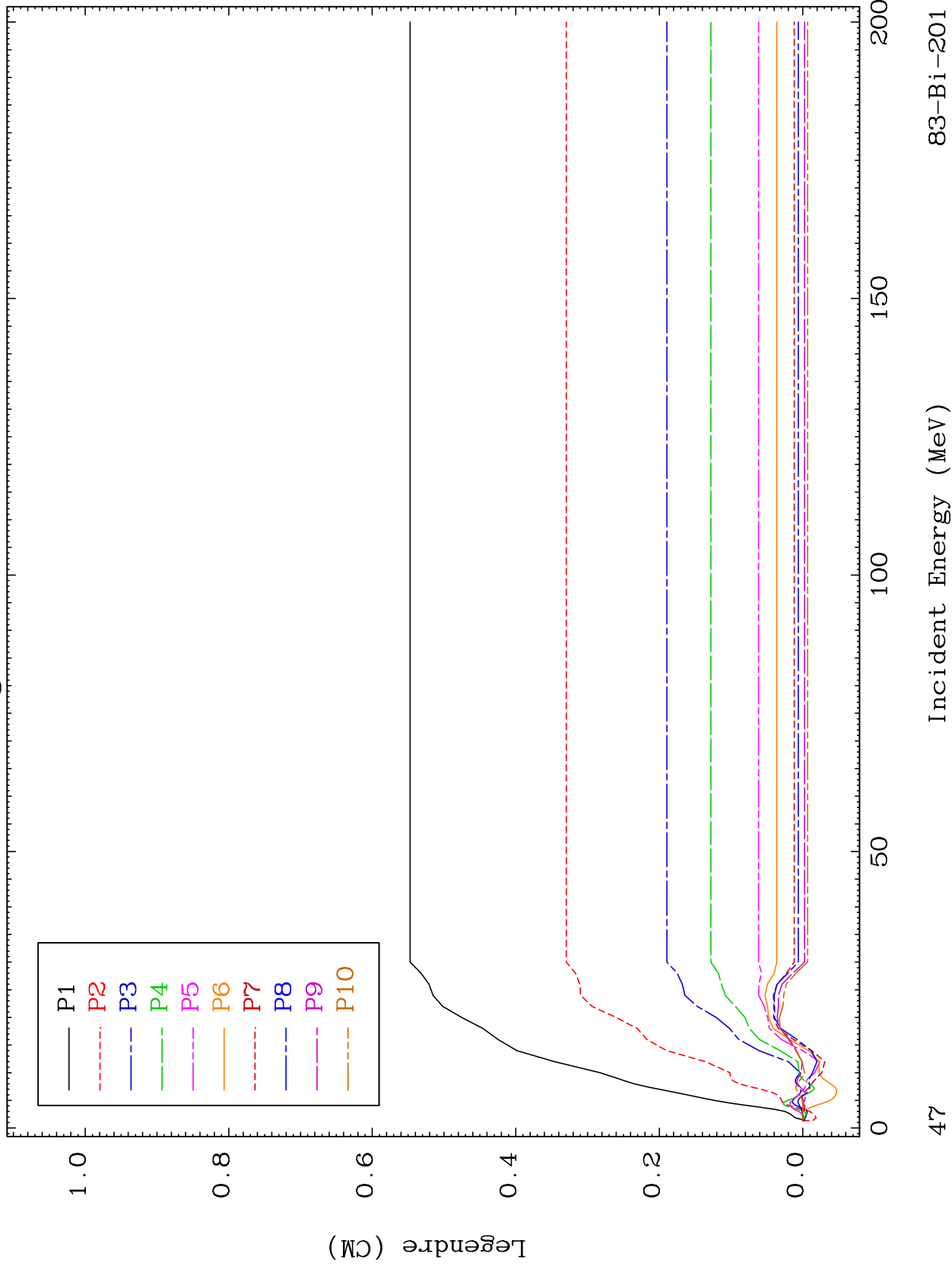
Incident Energy (MeV)

45

MAT 8301

1.274 MeV (n,n') Level
Legendre Coefficients

83-Bi-201



47

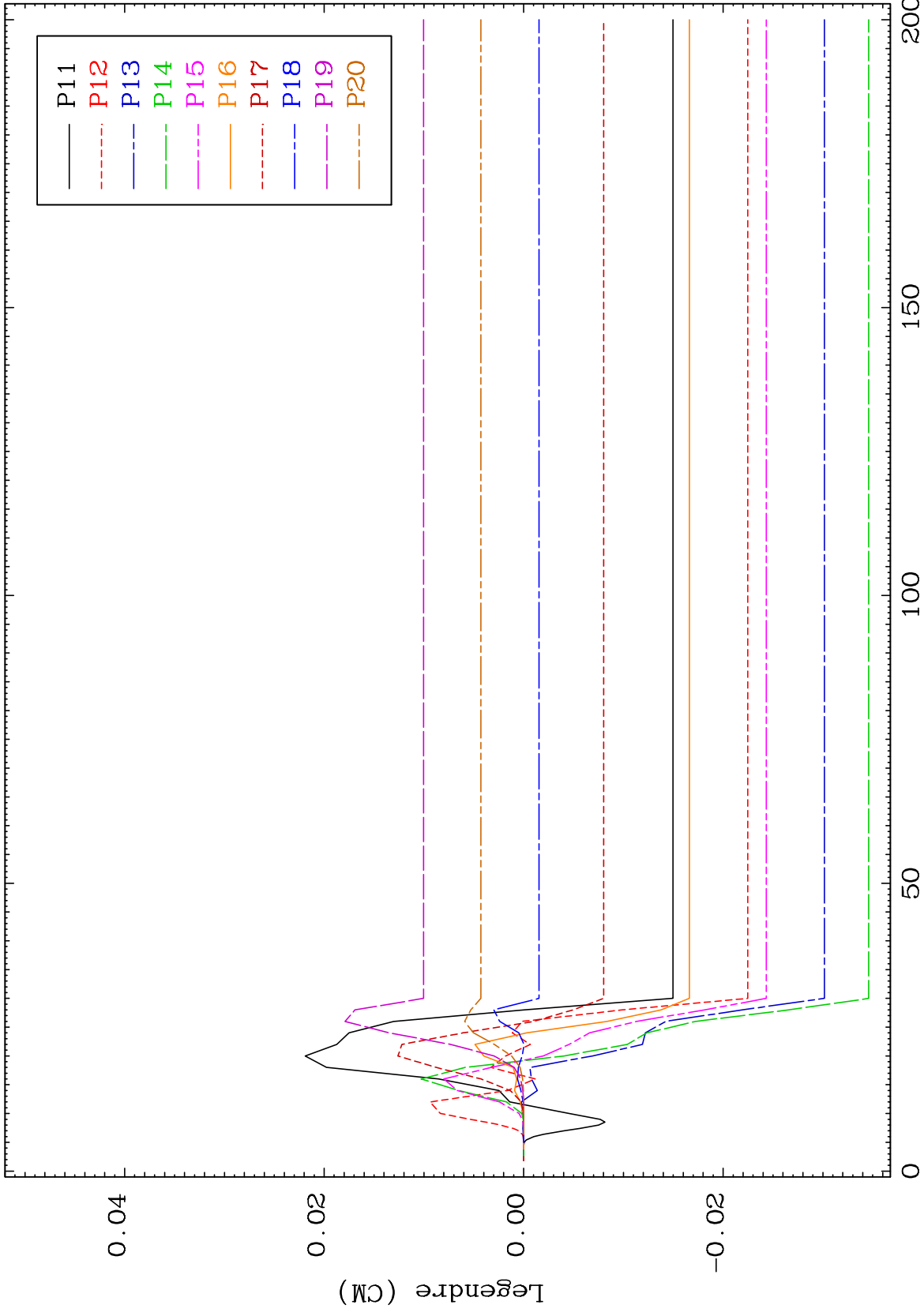
Incident Energy (MeV)

83-Bi-201

MAT 8301

1.274 MeV (n,n') Level
Legendre Coefficients

83-Bi-201



48

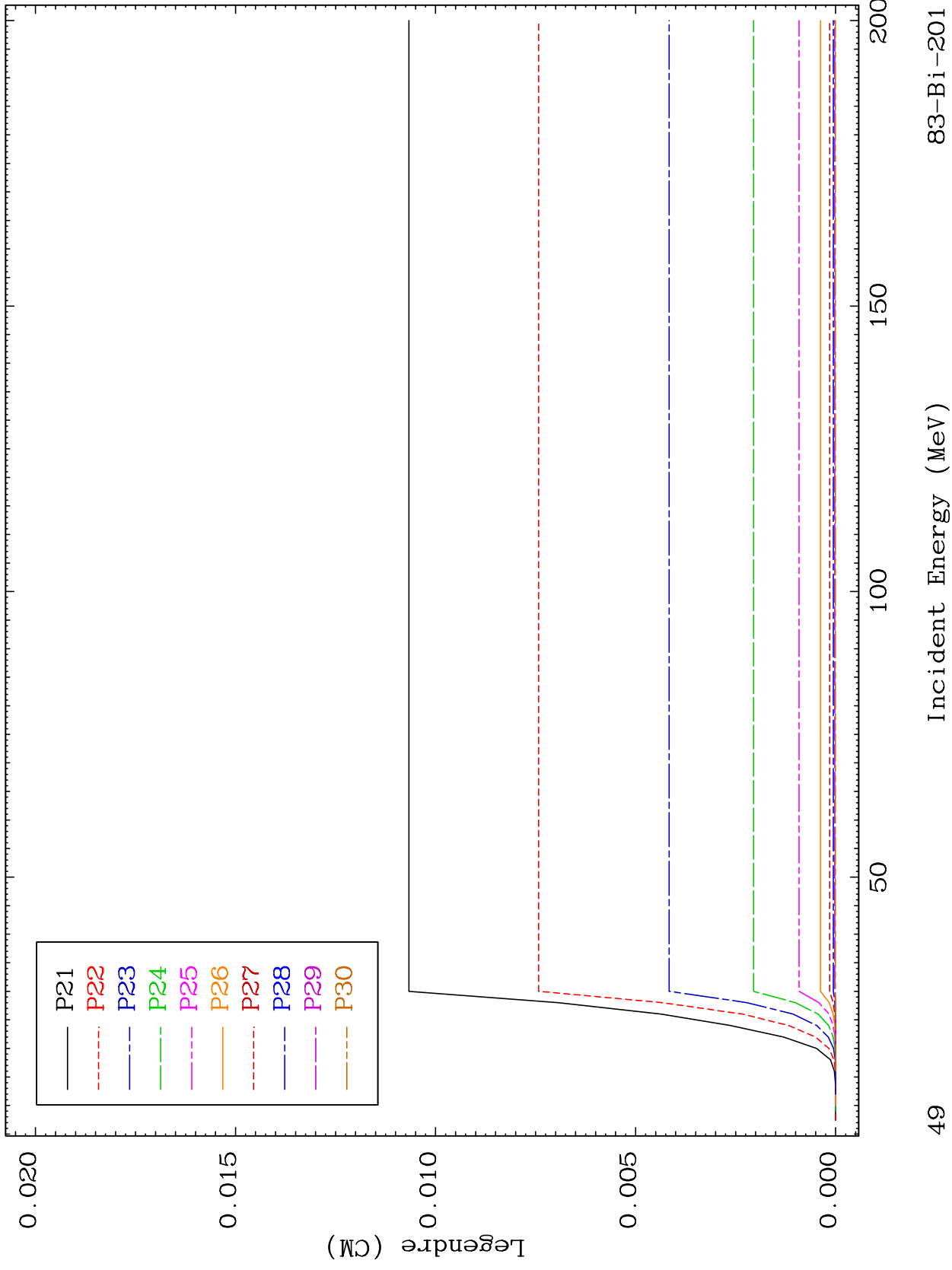
Incident Energy (MeV)

83-Bi-201

MAT 8301

1.274 MeV (n,n') Level
Legendre Coefficients

83-Bi-201



49

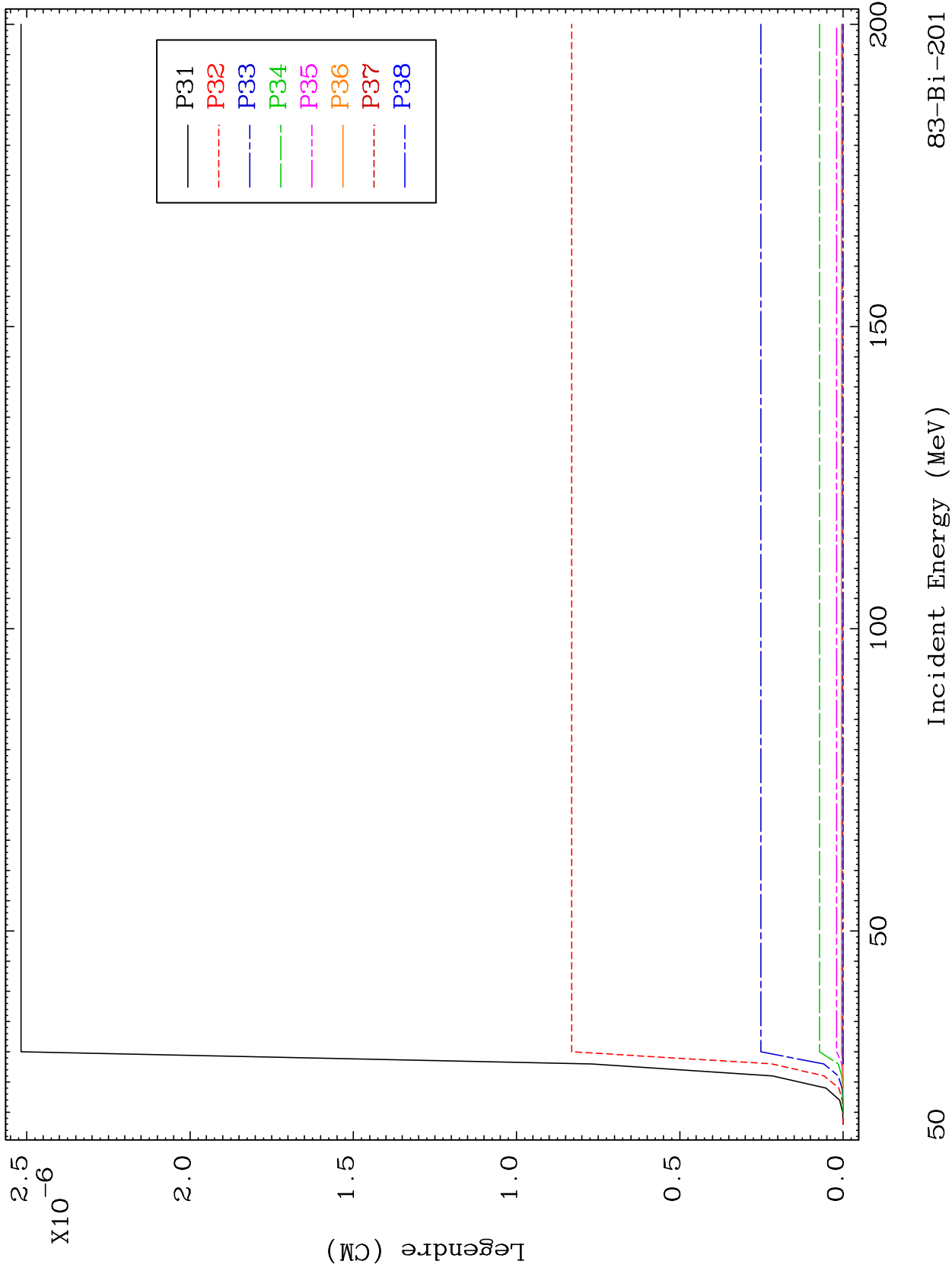
Incident Energy (MeV)

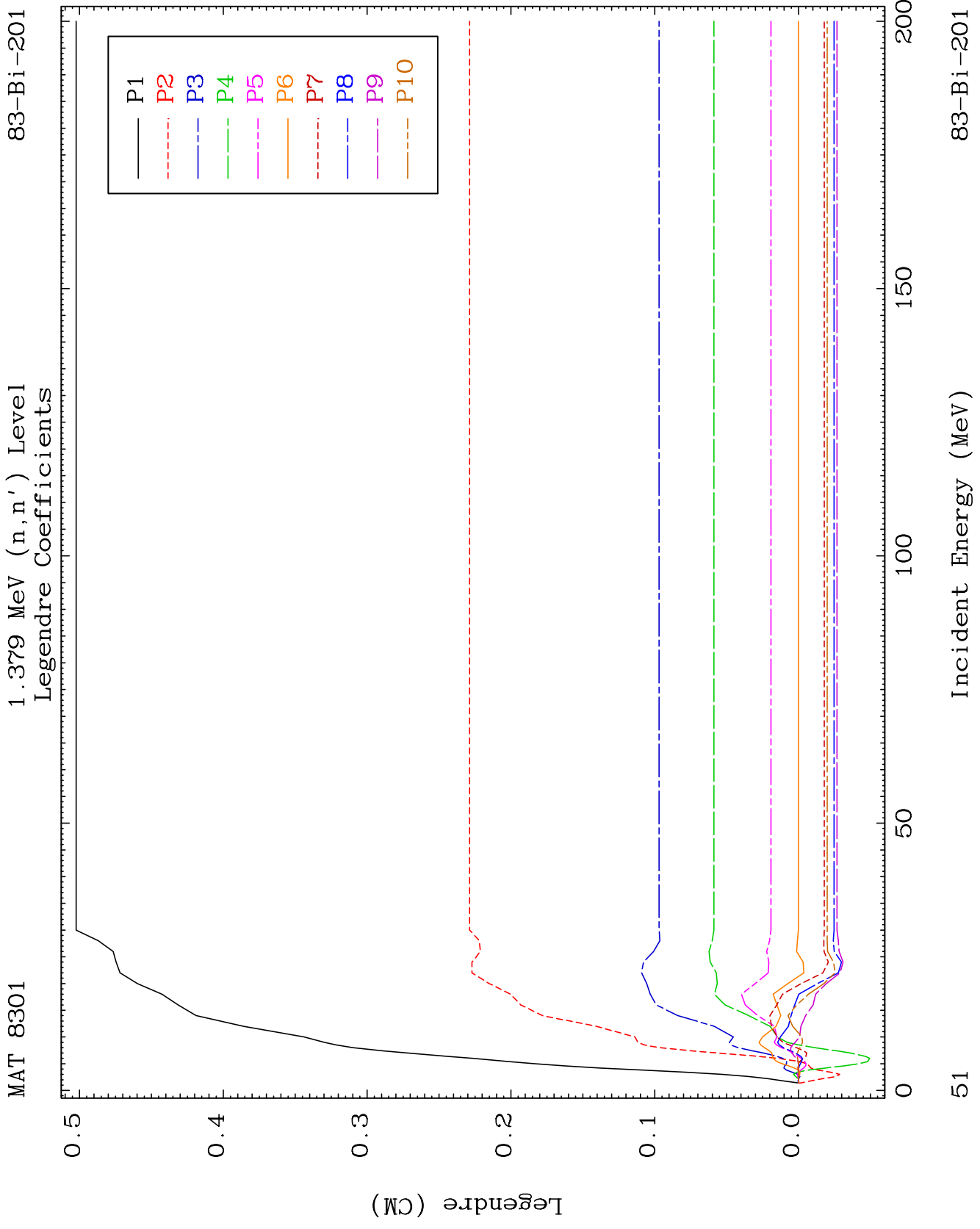
83-Bi-201

MAT 8301

1.274 MeV (n,n') Level
Legendre Coefficients

83-Bi-201

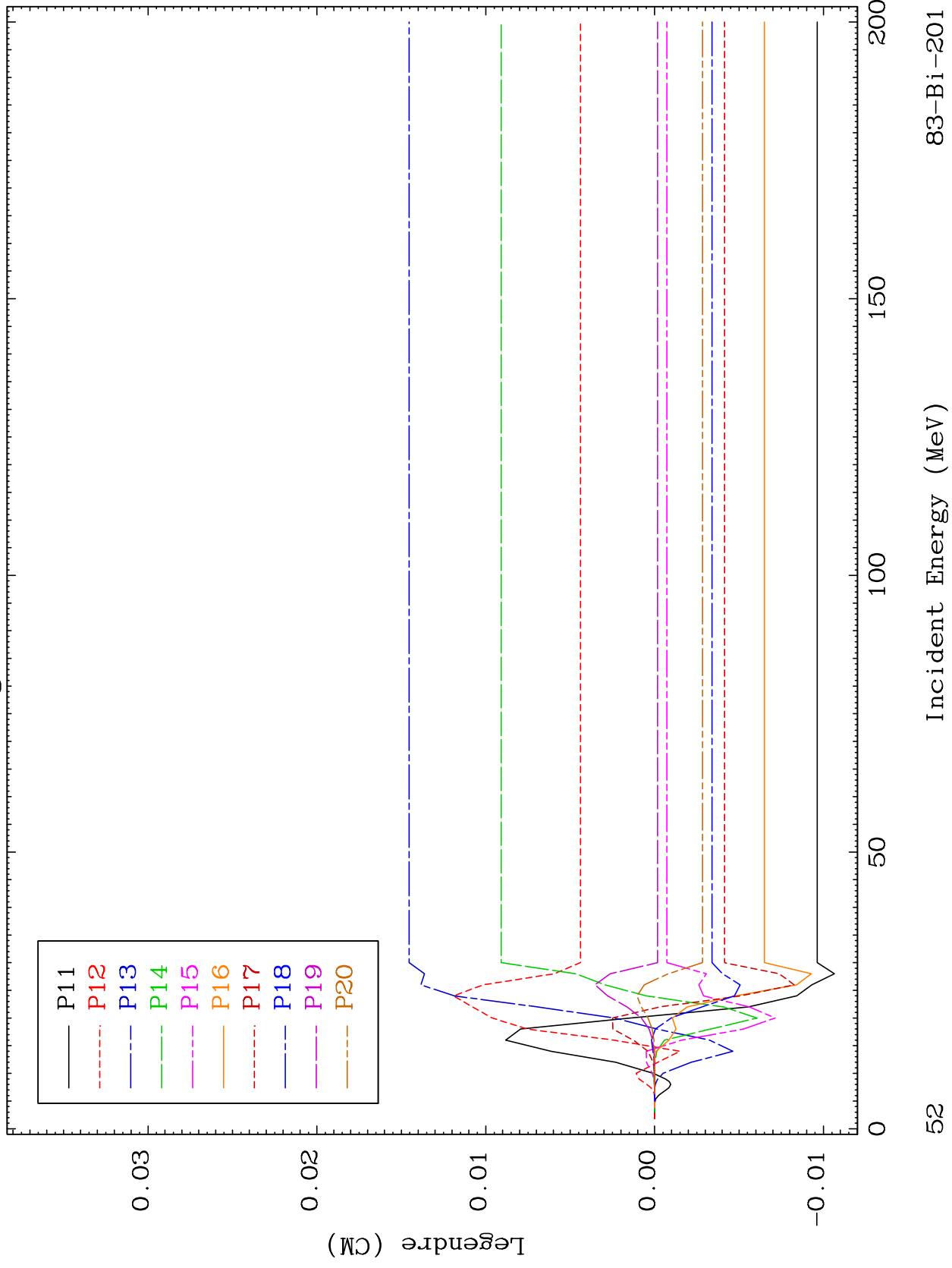




MAT 8301

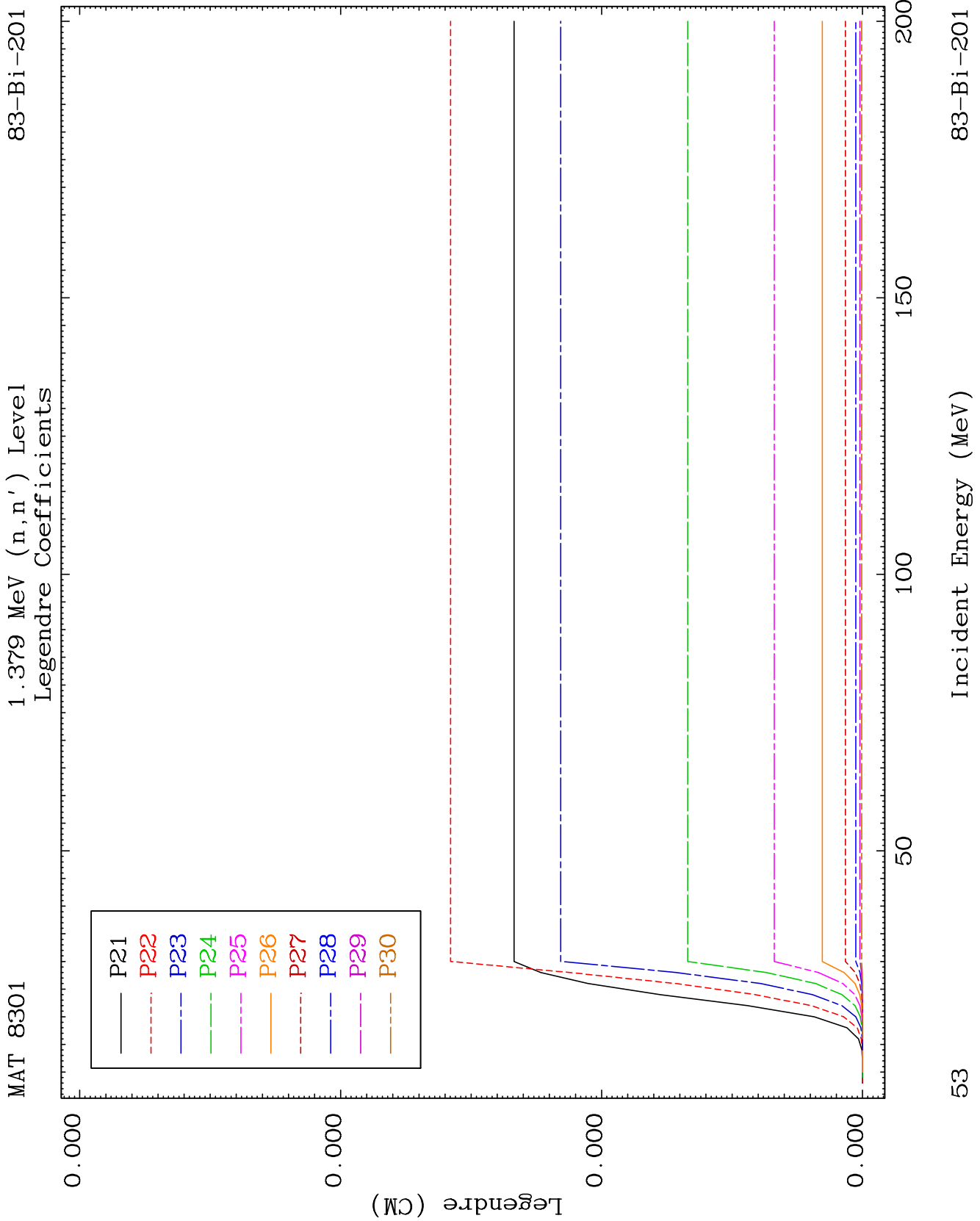
1.379 MeV (n,n') Level
Legendre Coefficients

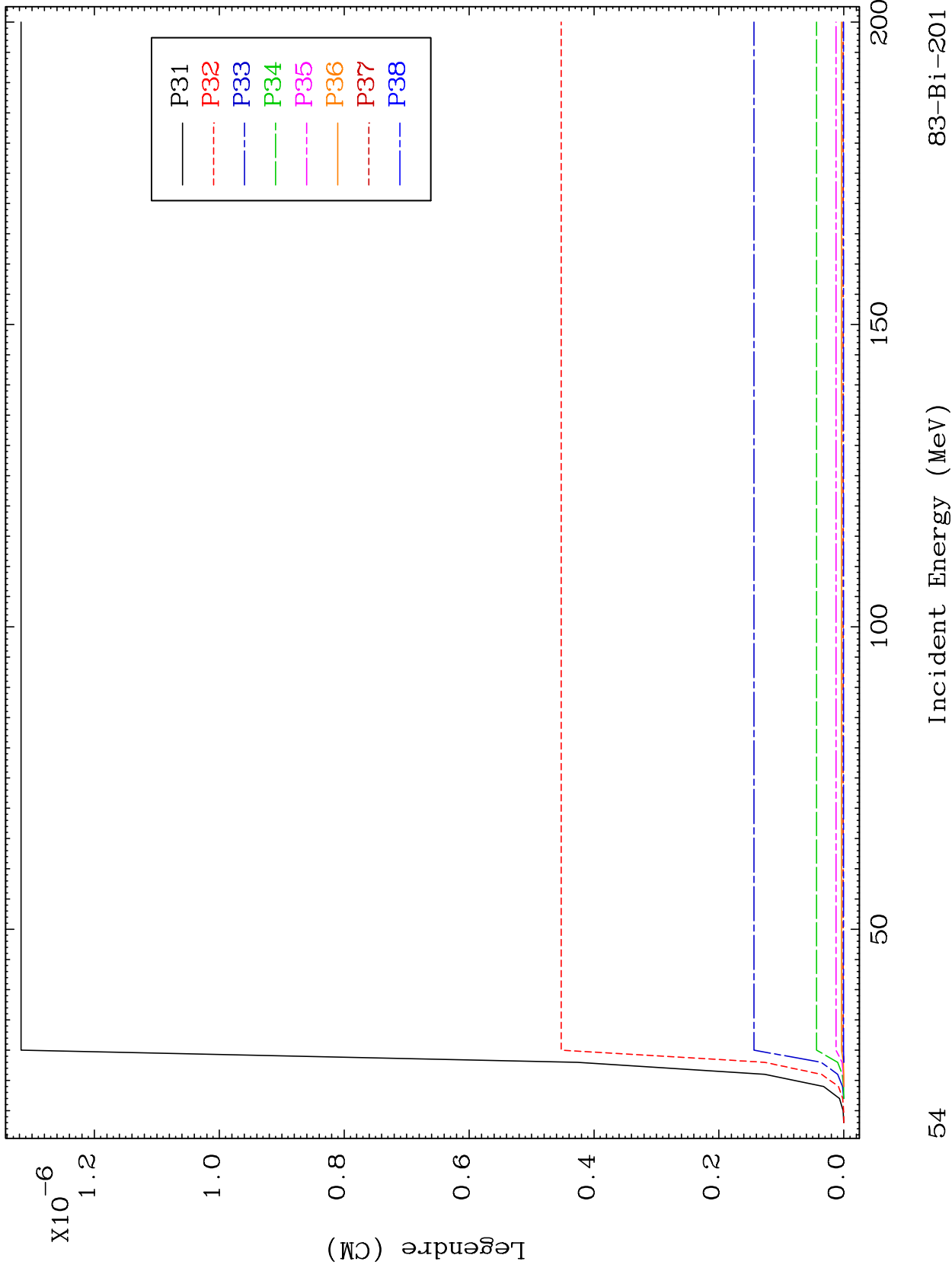
83-Bi-201

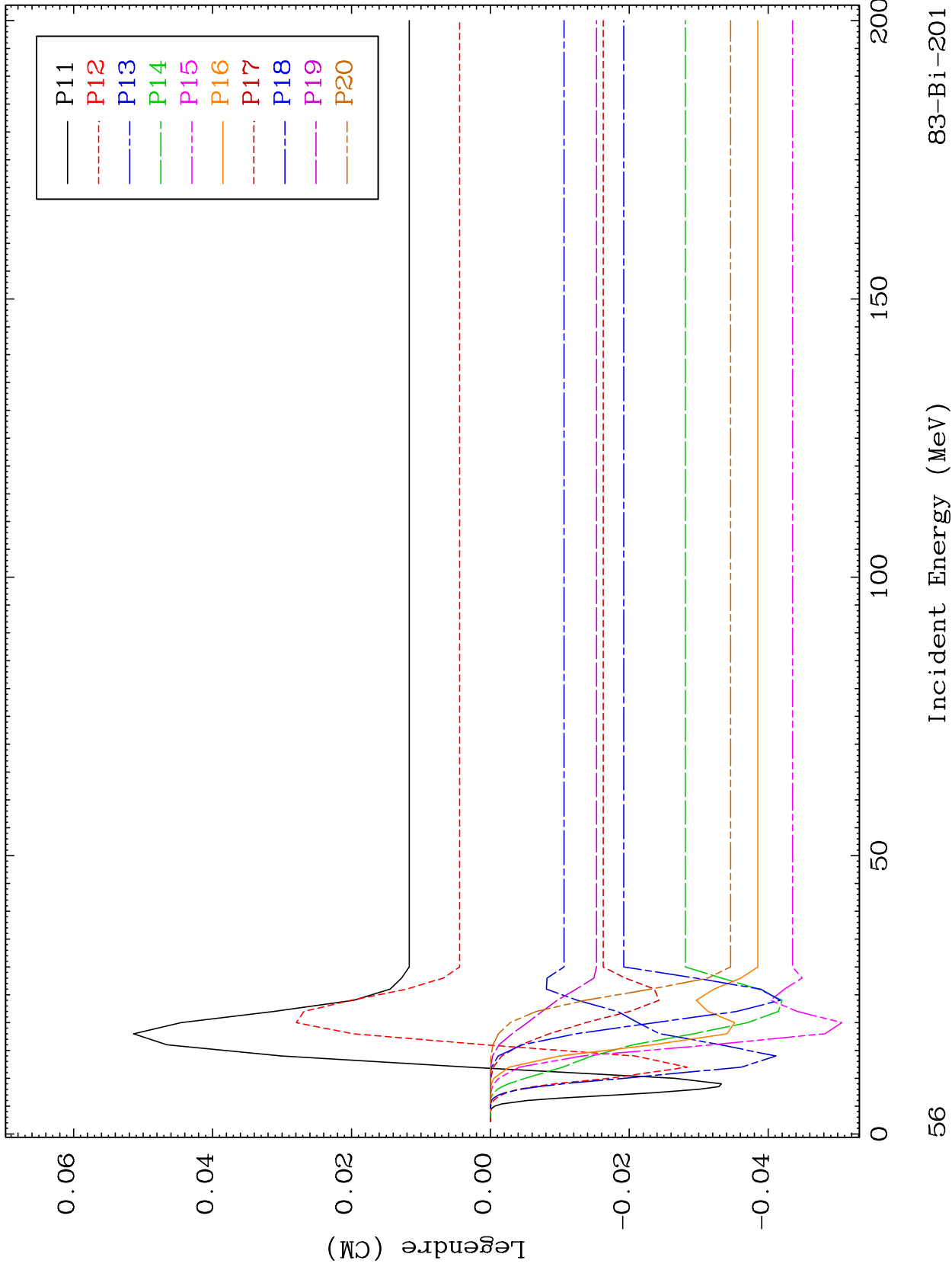


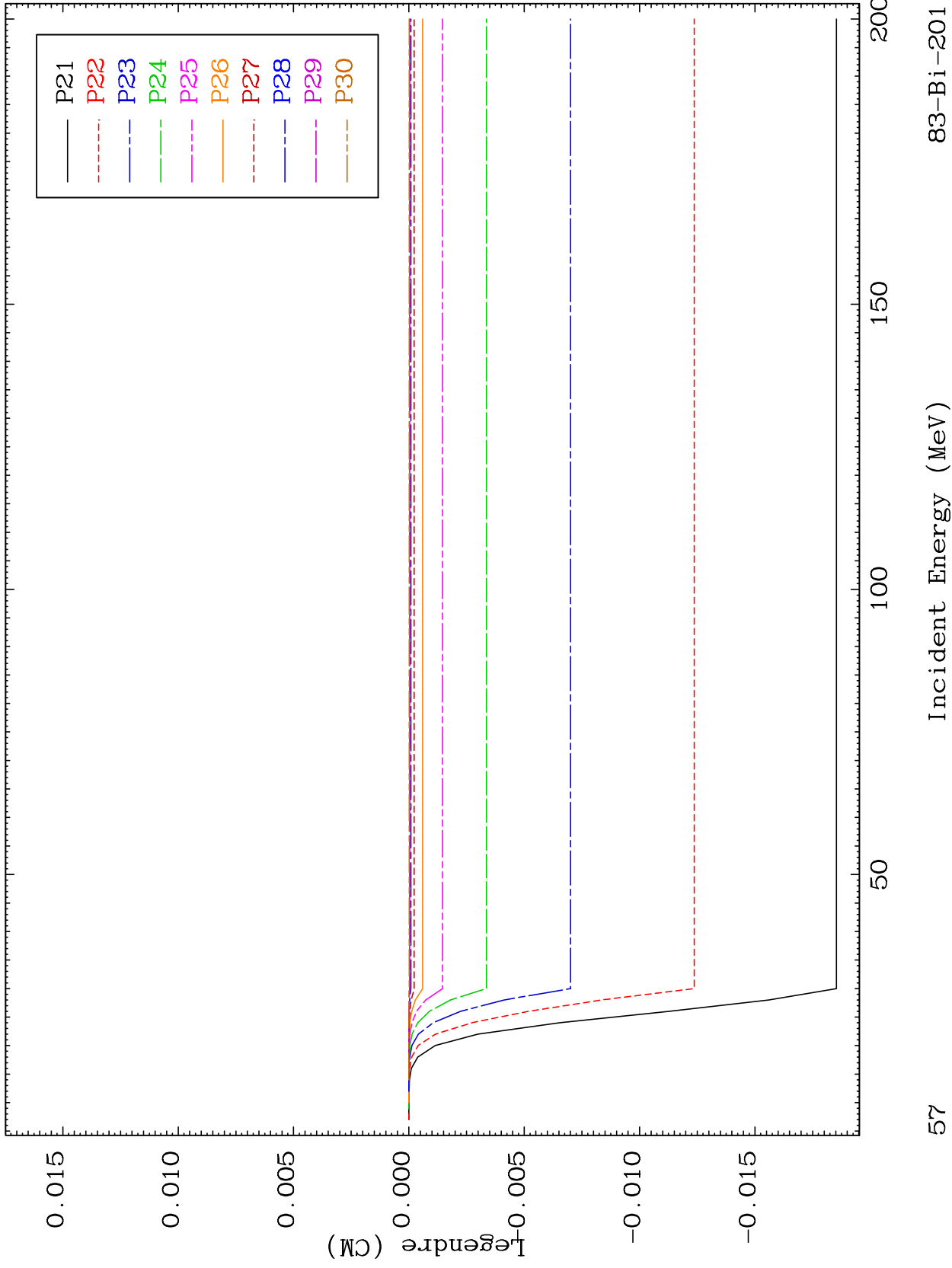
52

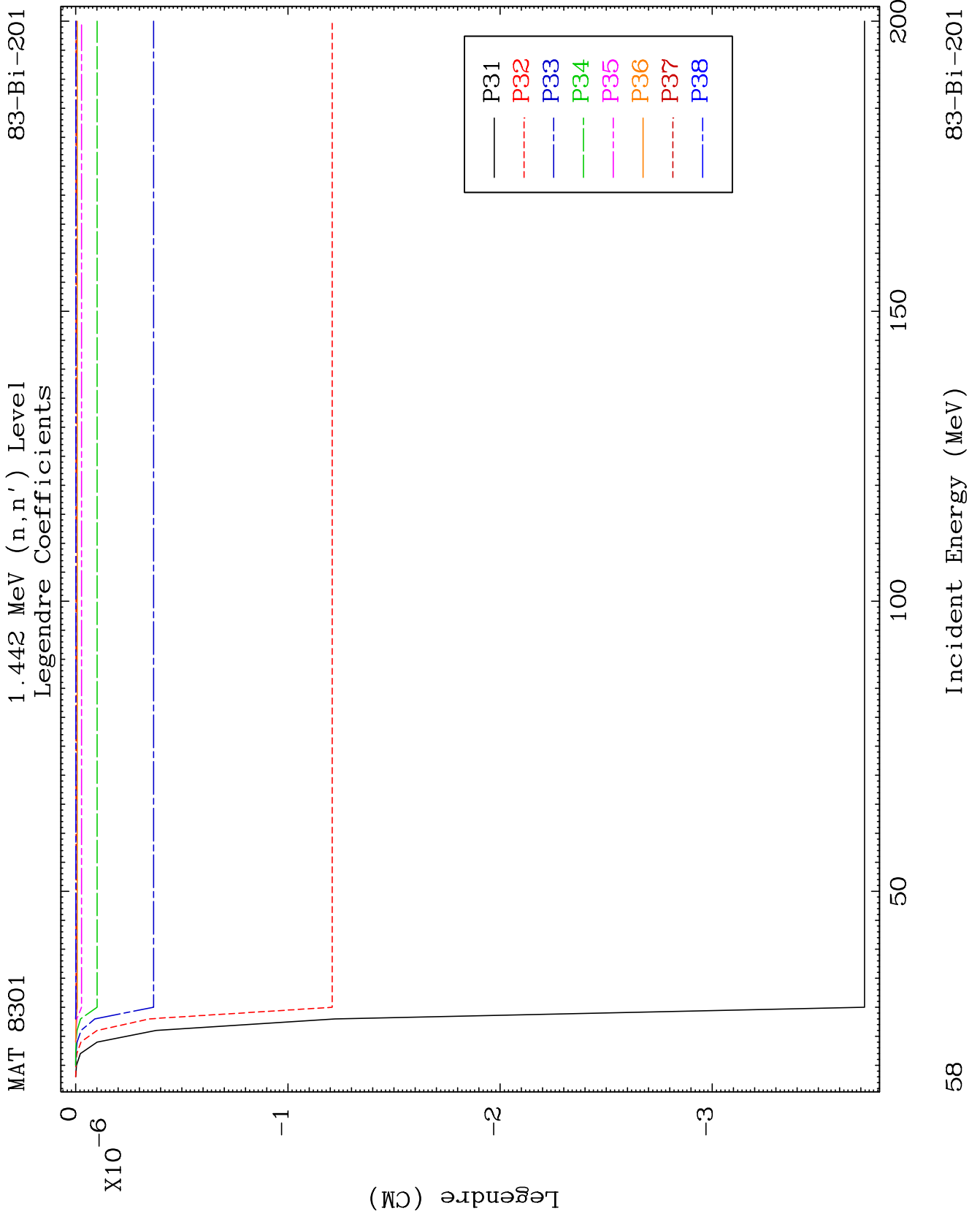
83-Bi-201

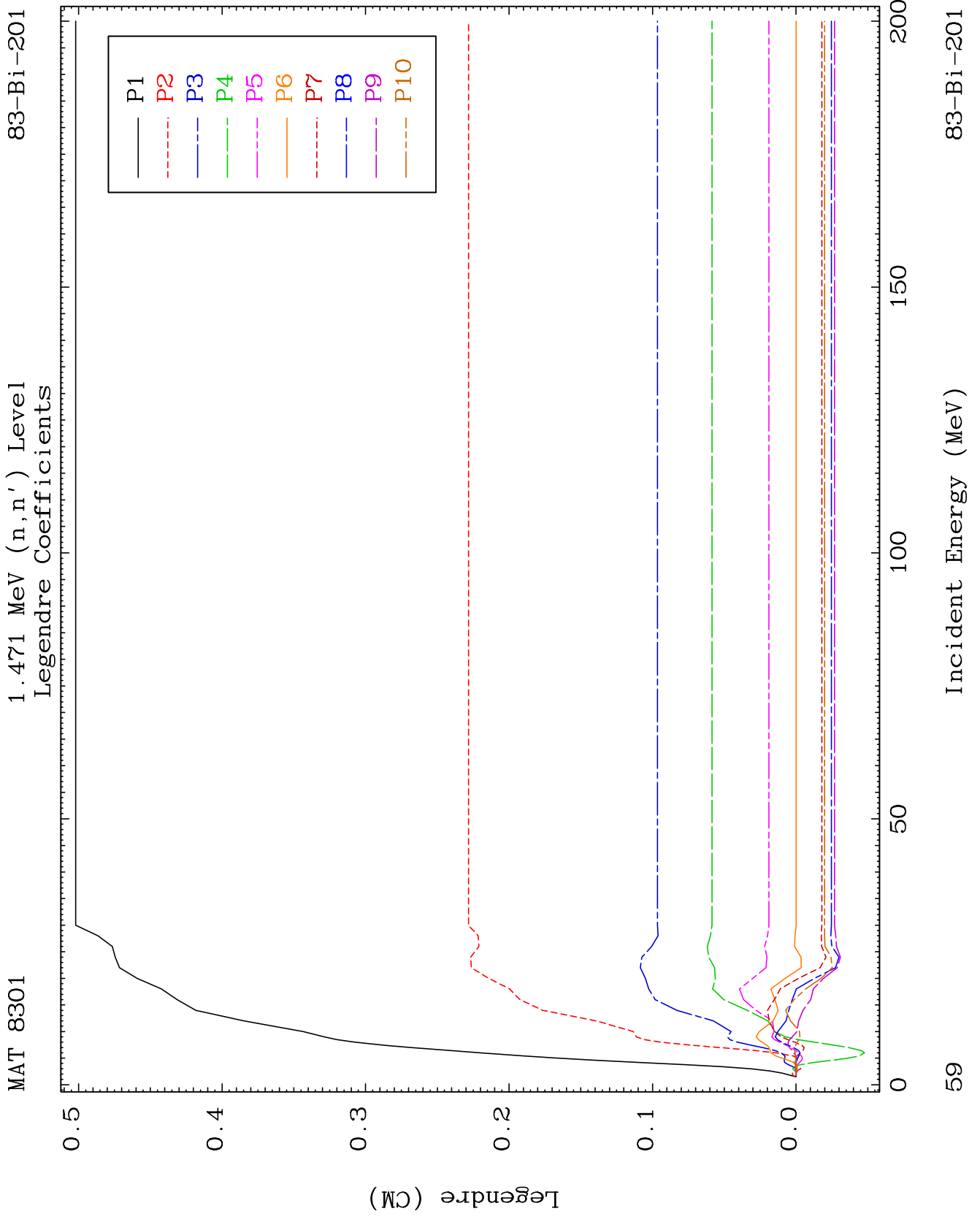








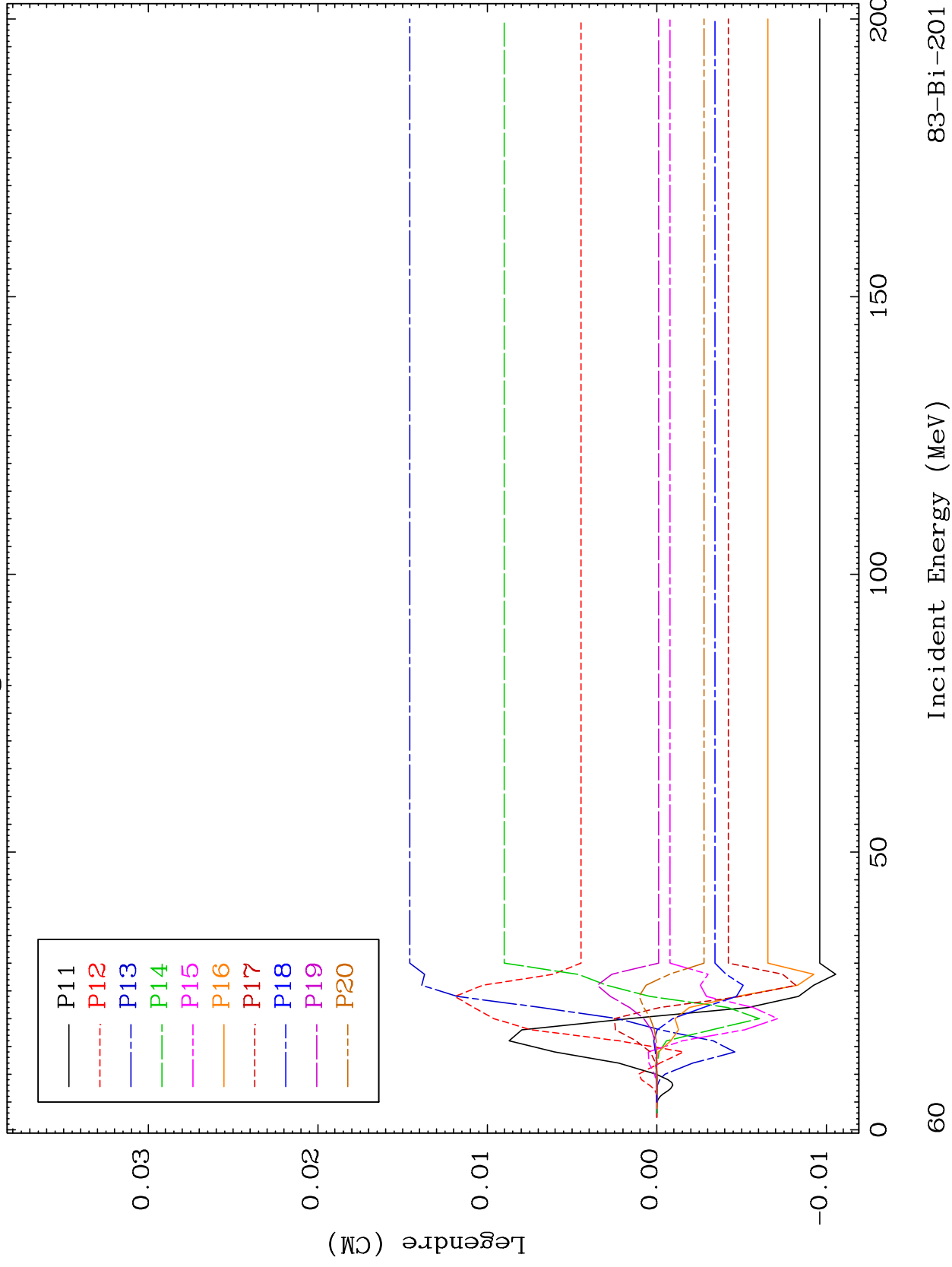




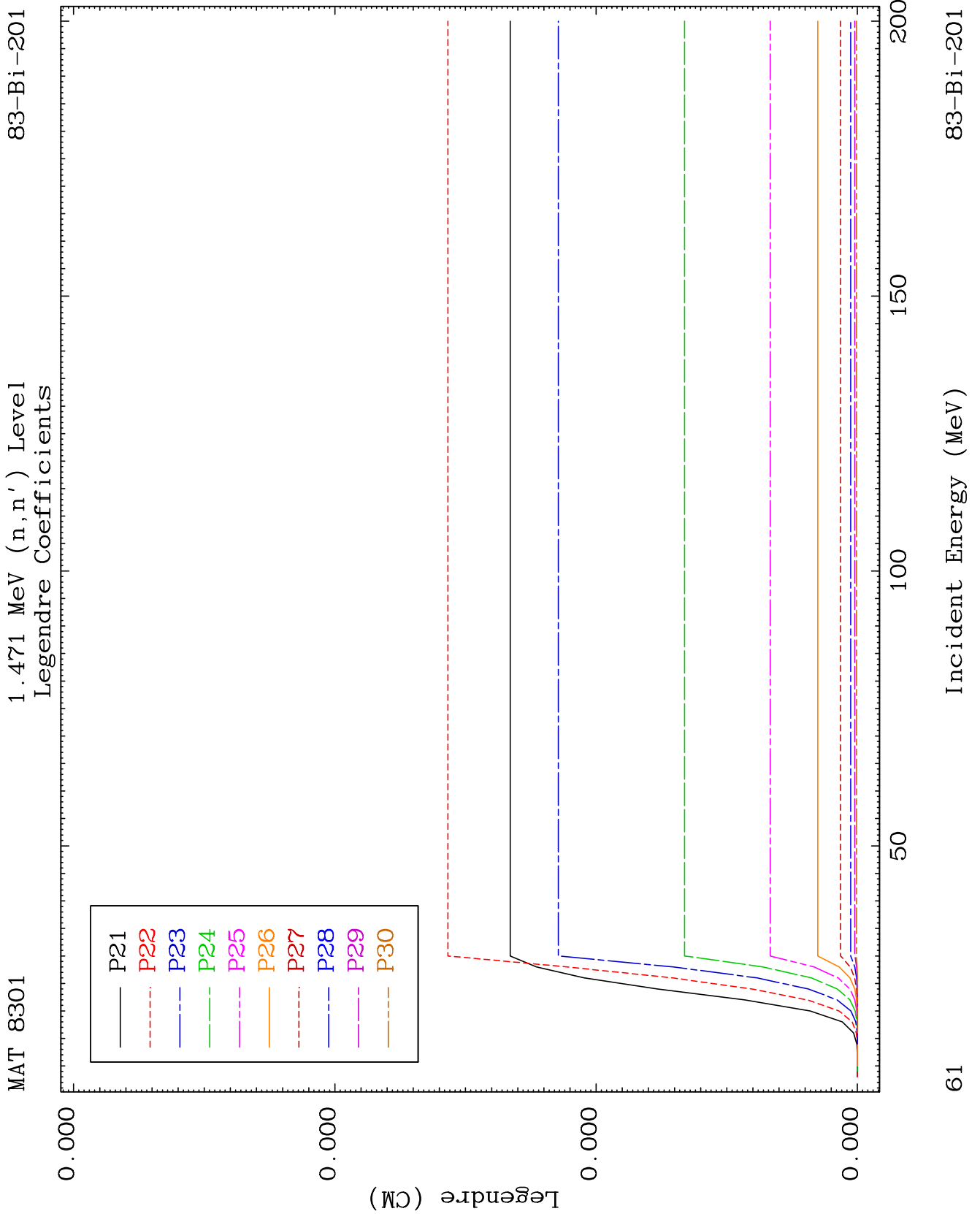
MAT 8301

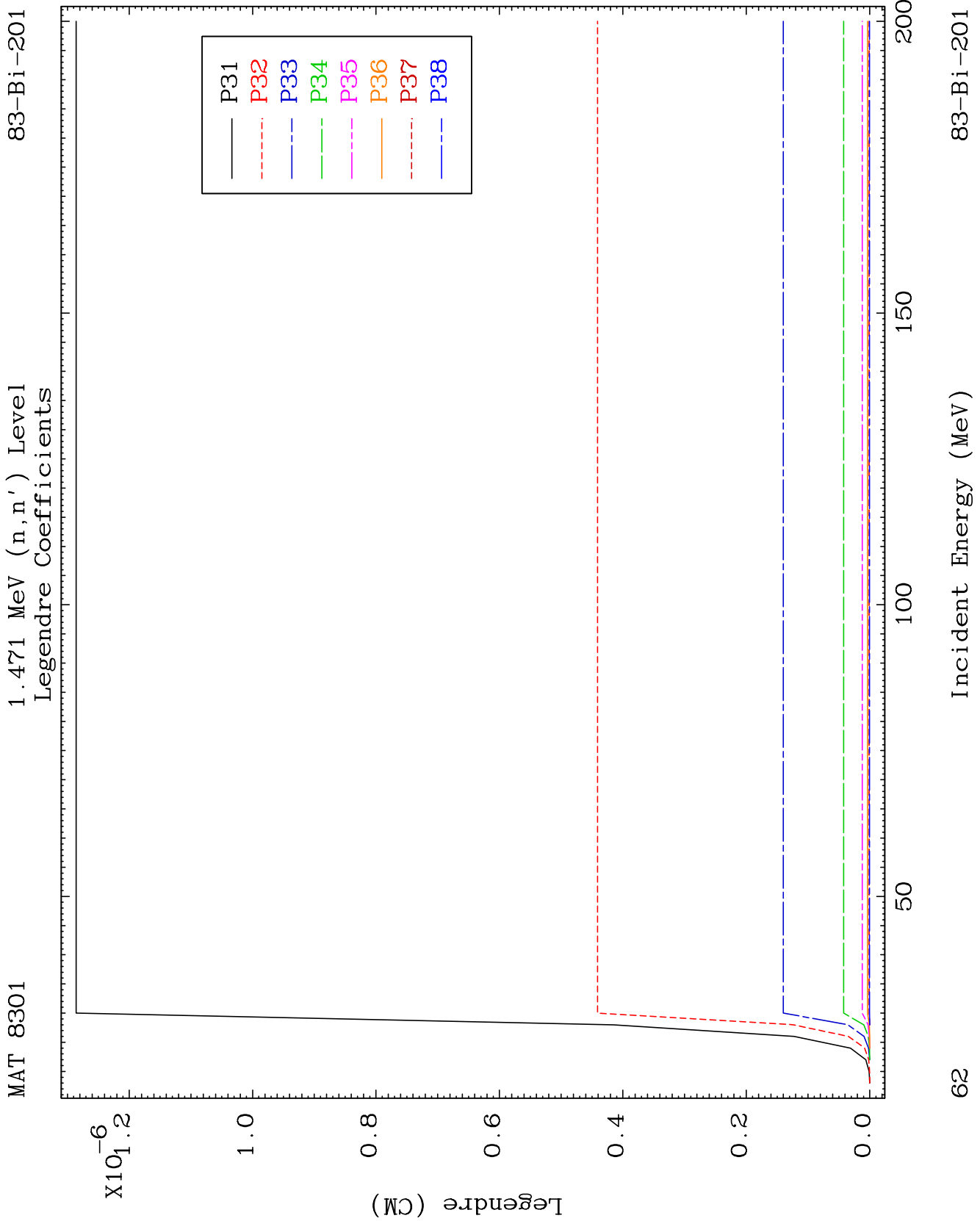
1.471 MeV (n,n') Level
Legendre Coefficients

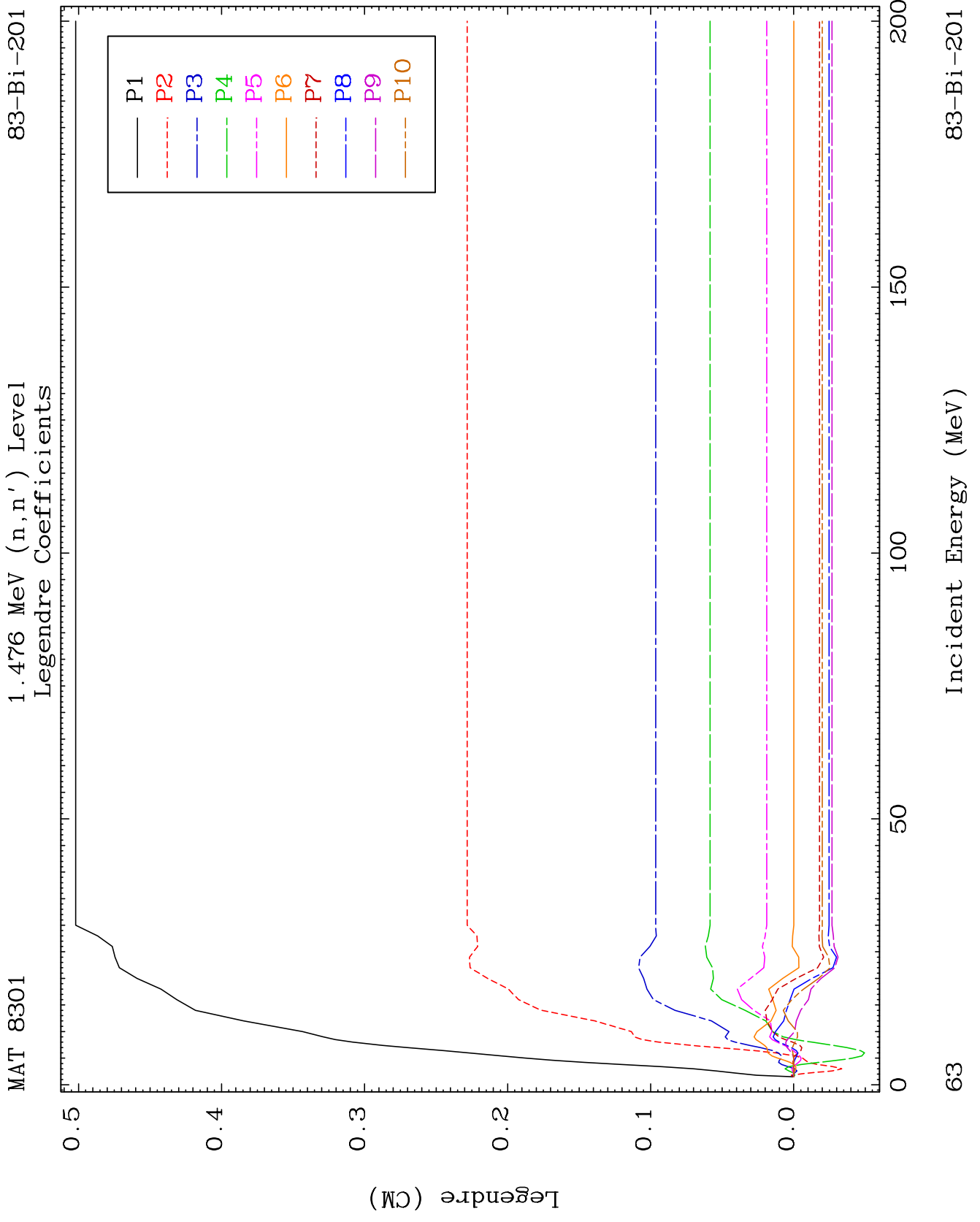
83-Bi-201



83-Bi-201



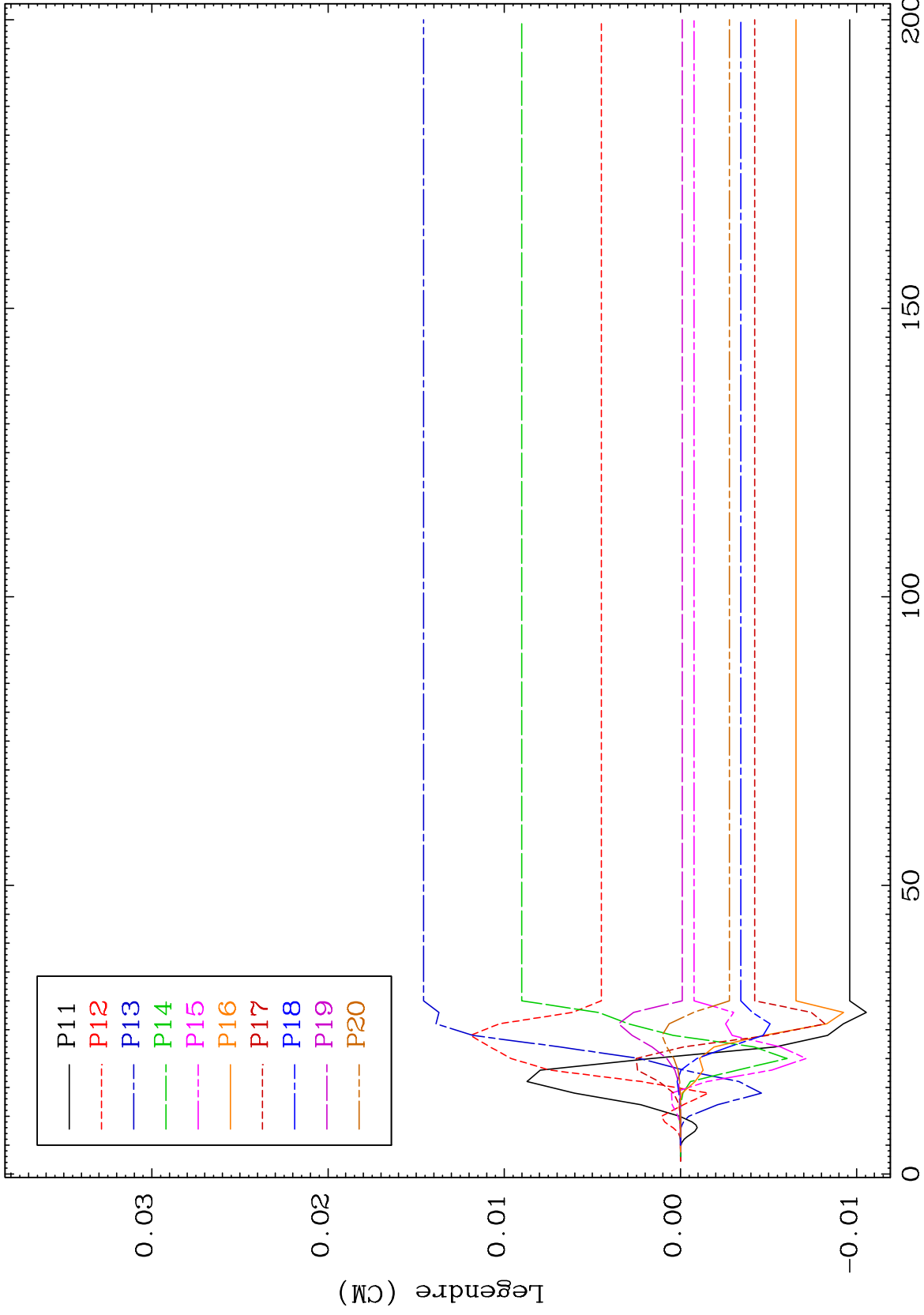




MAT 8301

1.476 MeV (n,n') Level
Legendre Coefficients

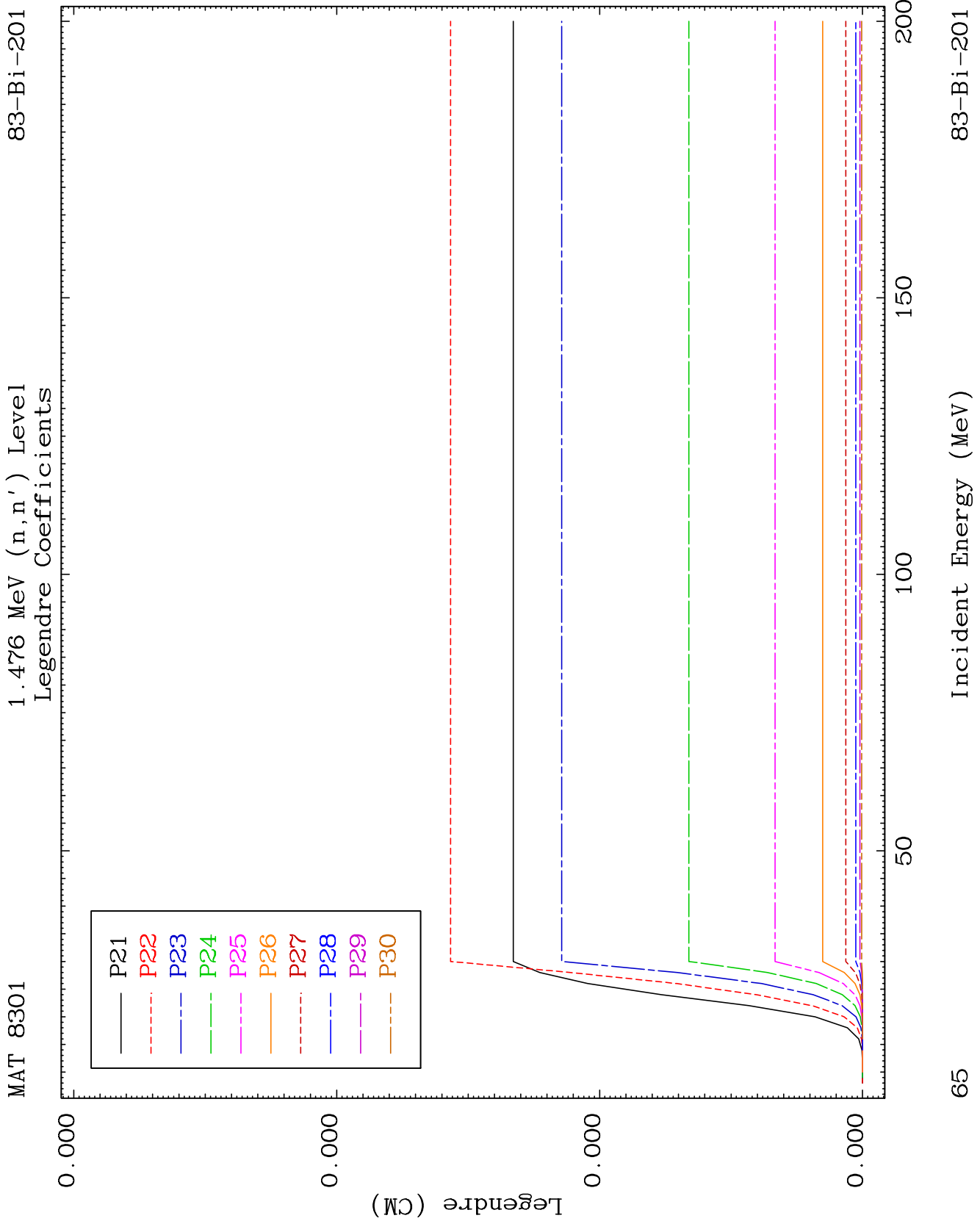
83-Bi-201

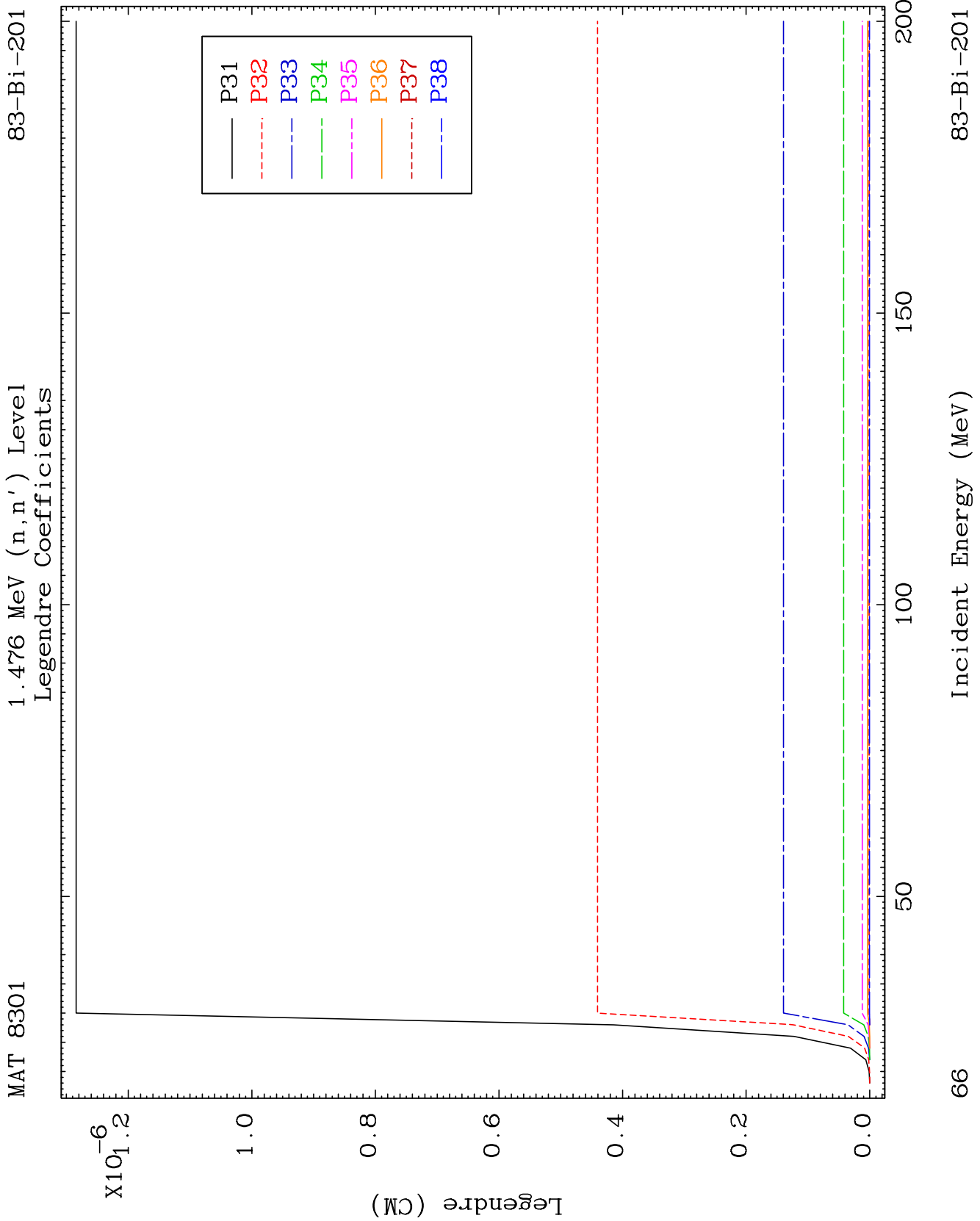


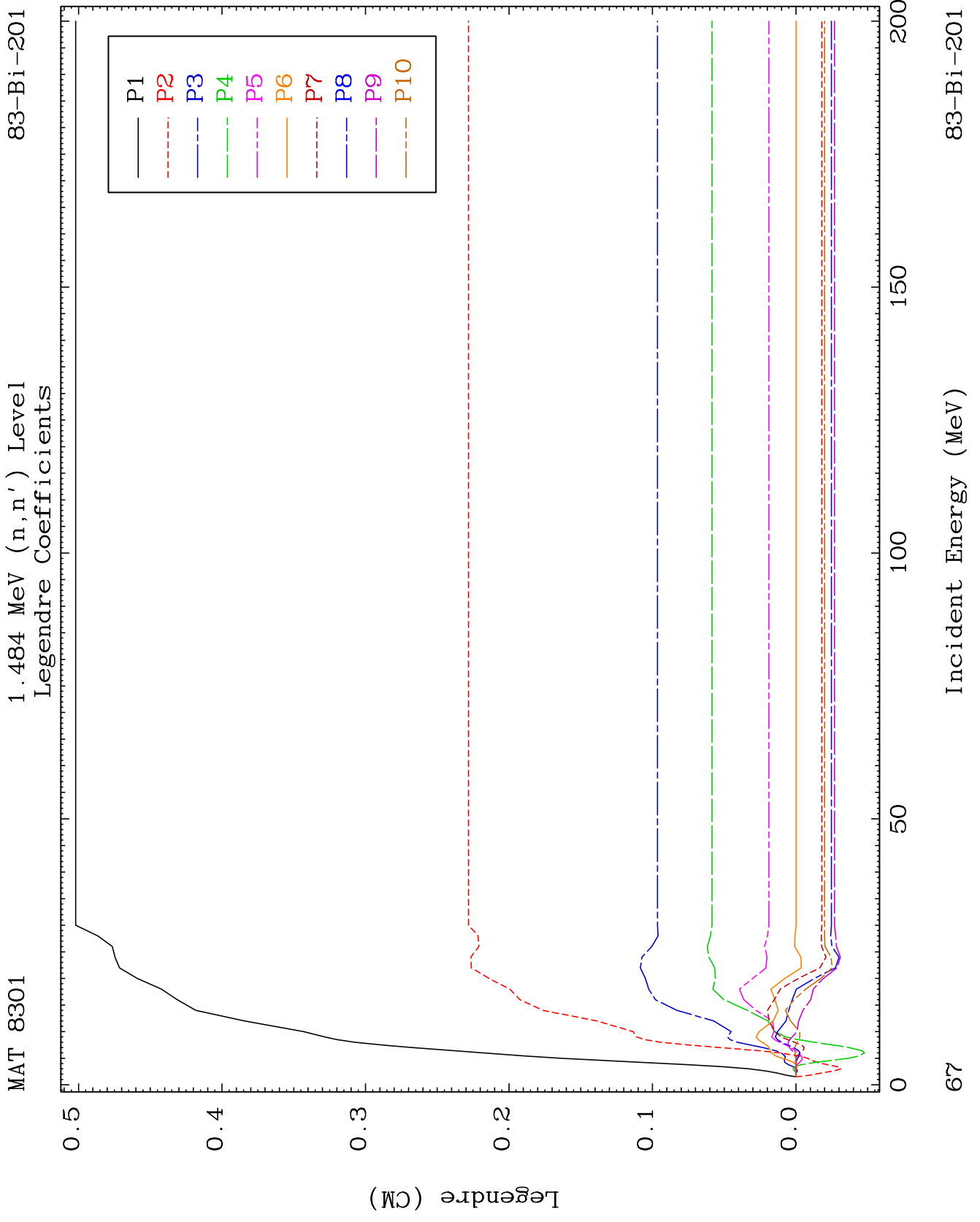
64

Incident Energy (MeV)

83-Bi-201



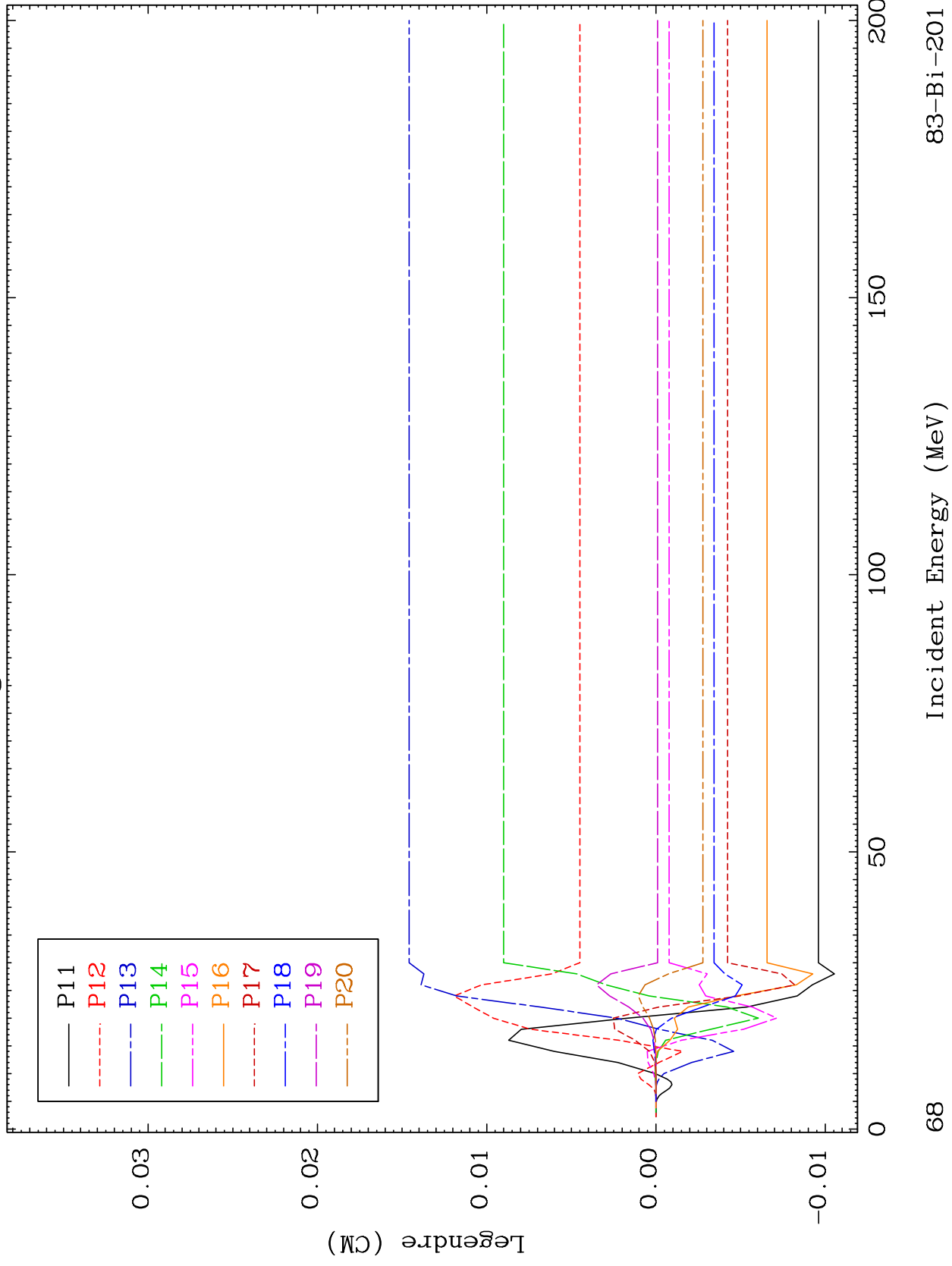




MAT 8301

1.484 MeV (n,n') Level
Legendre Coefficients

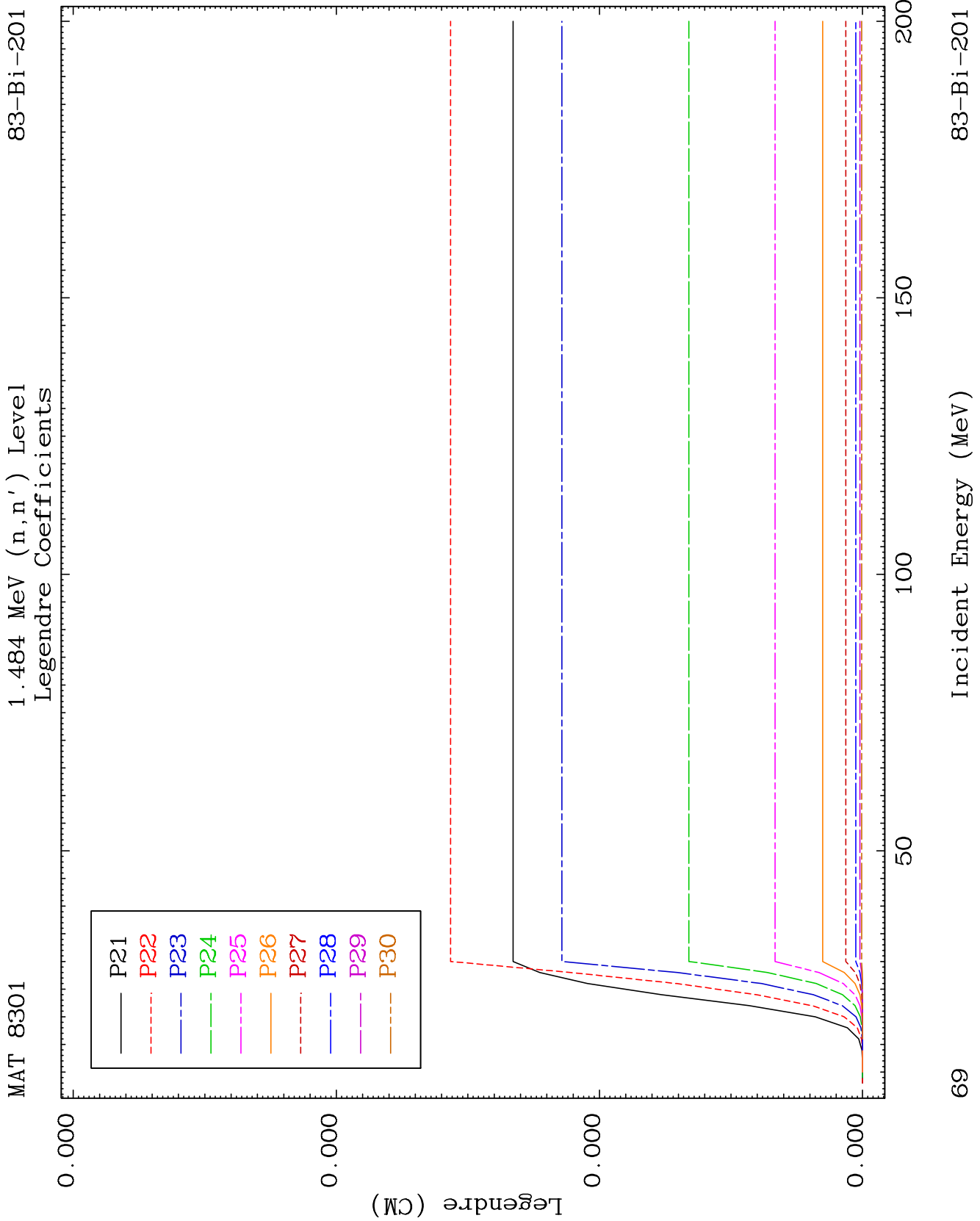
83-Bi-201

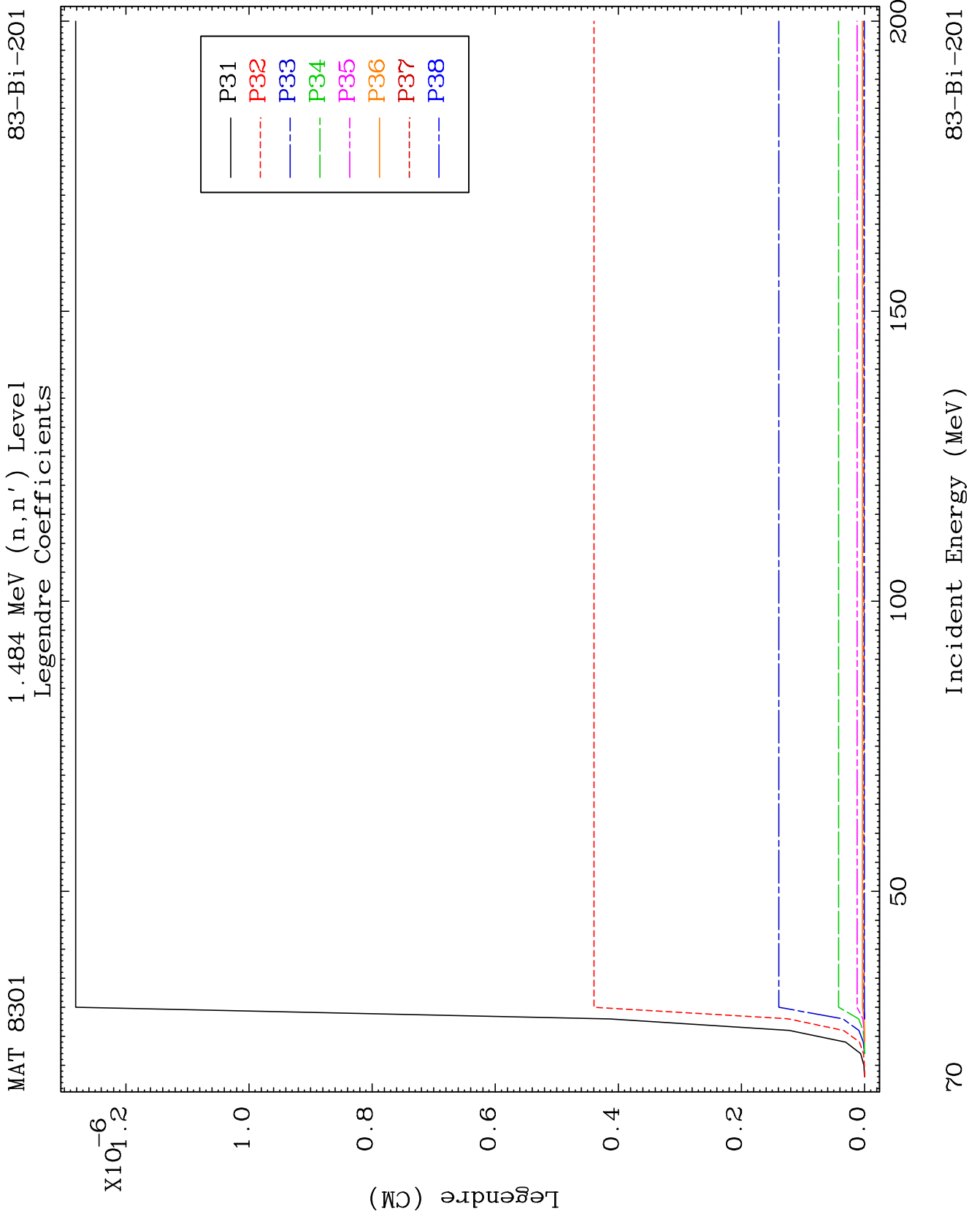


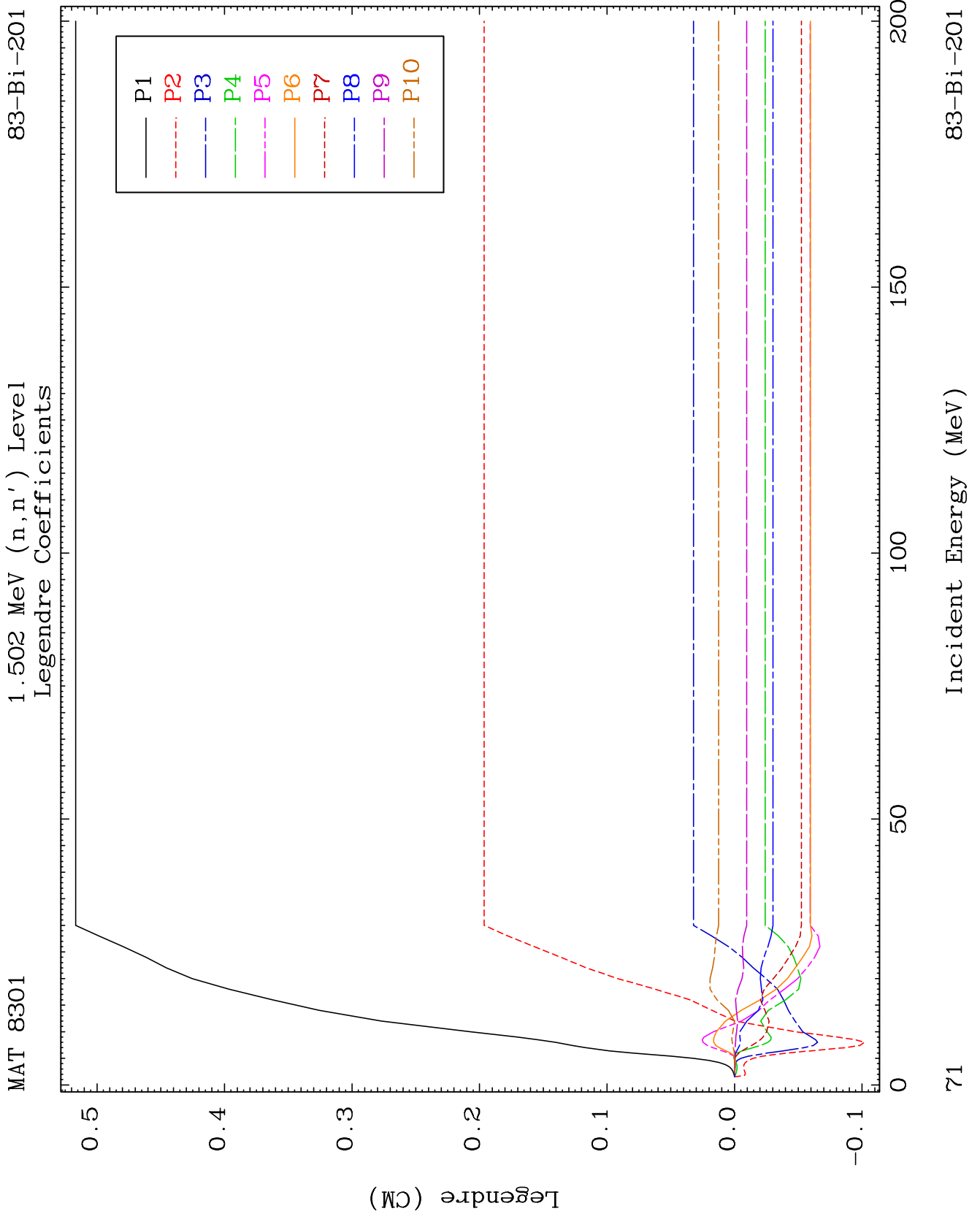
68

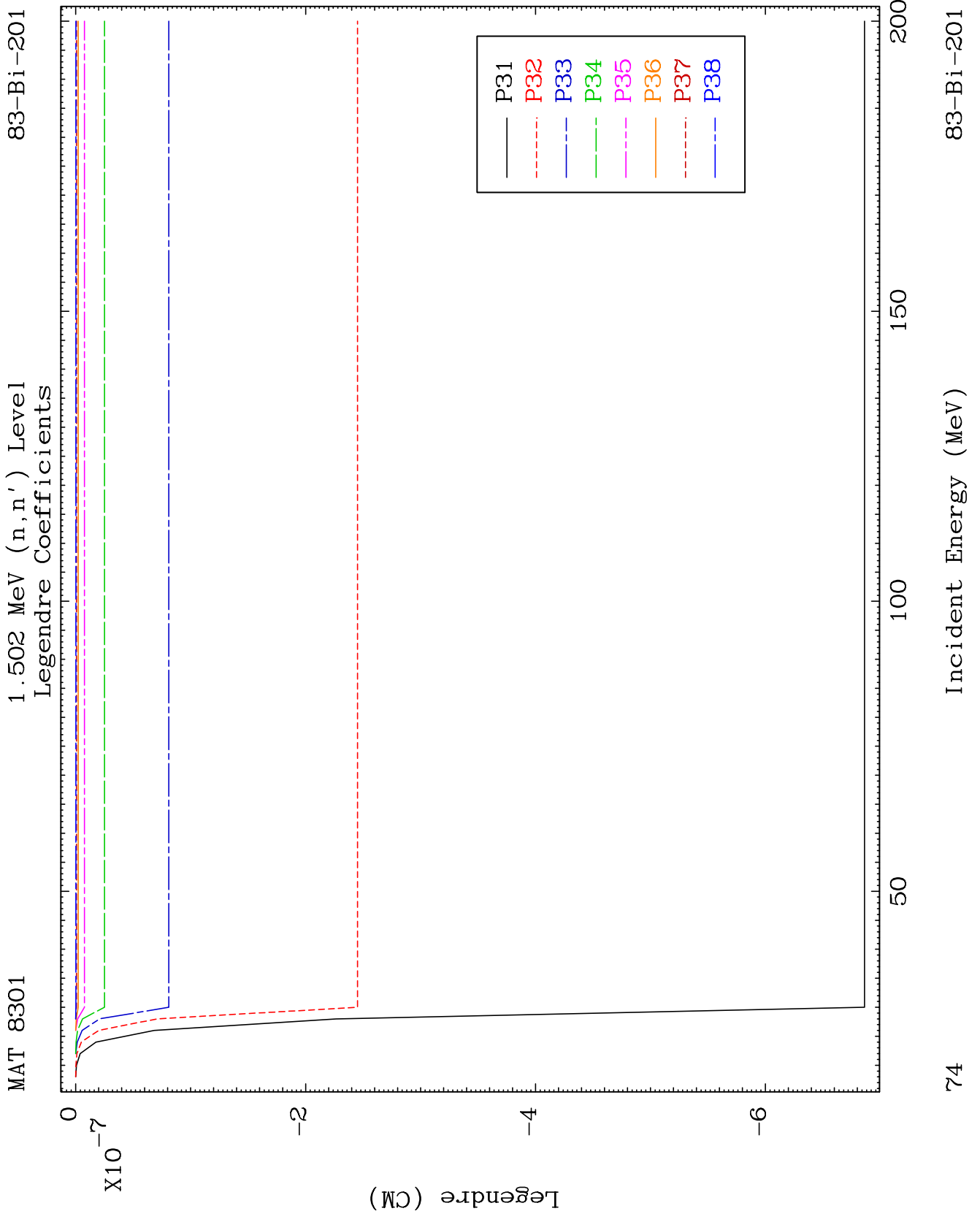
Incident Energy (MeV)

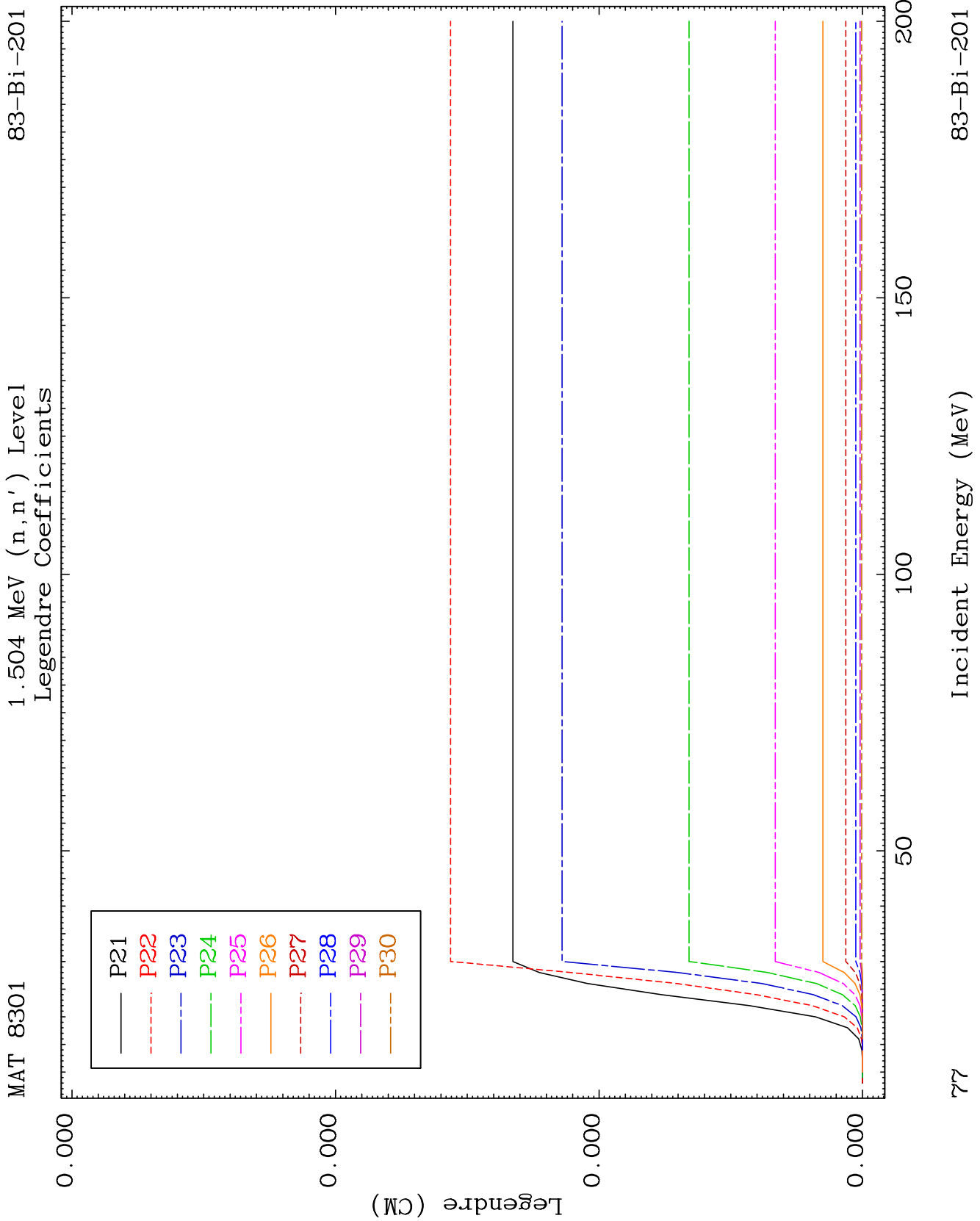
83-Bi-201

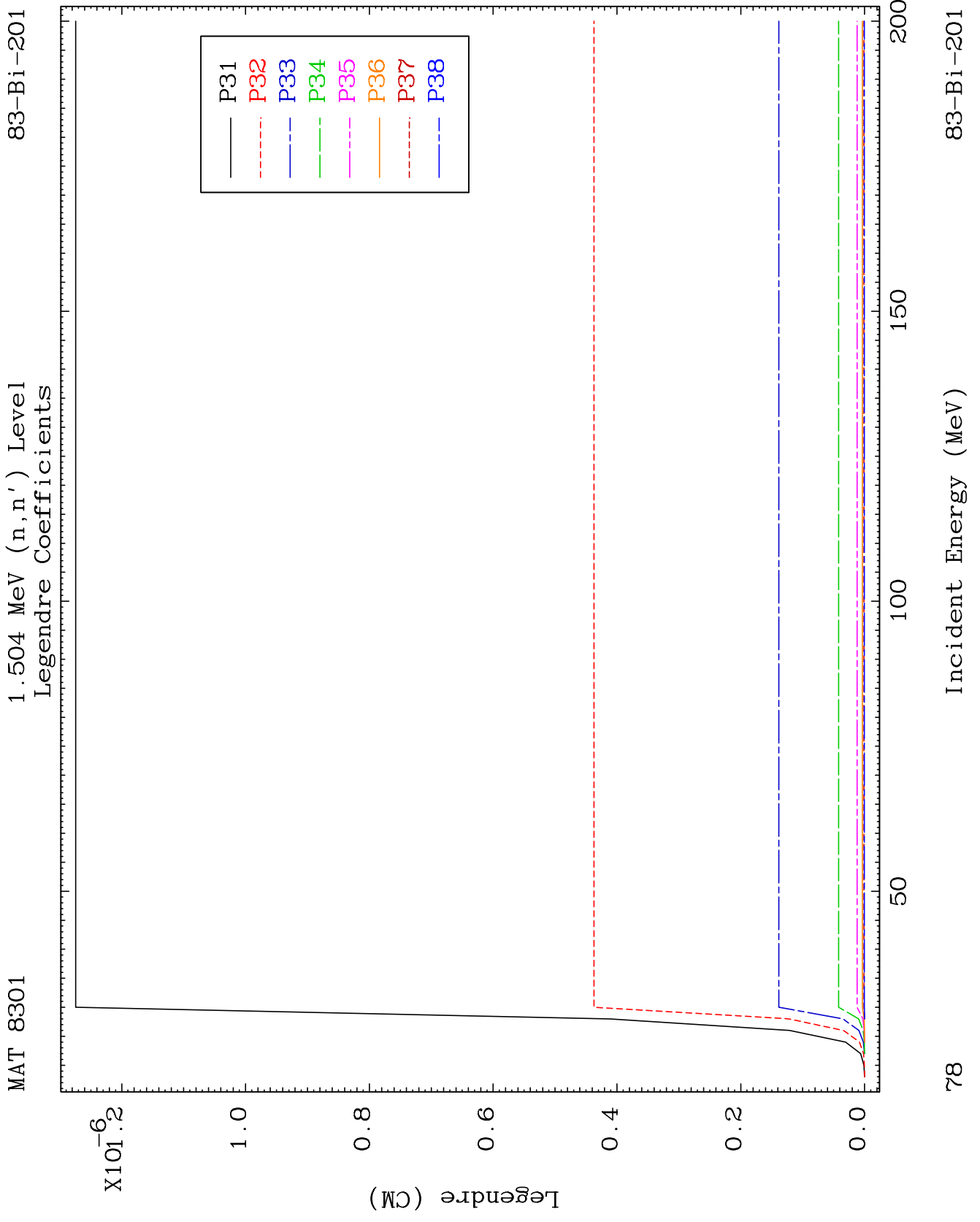


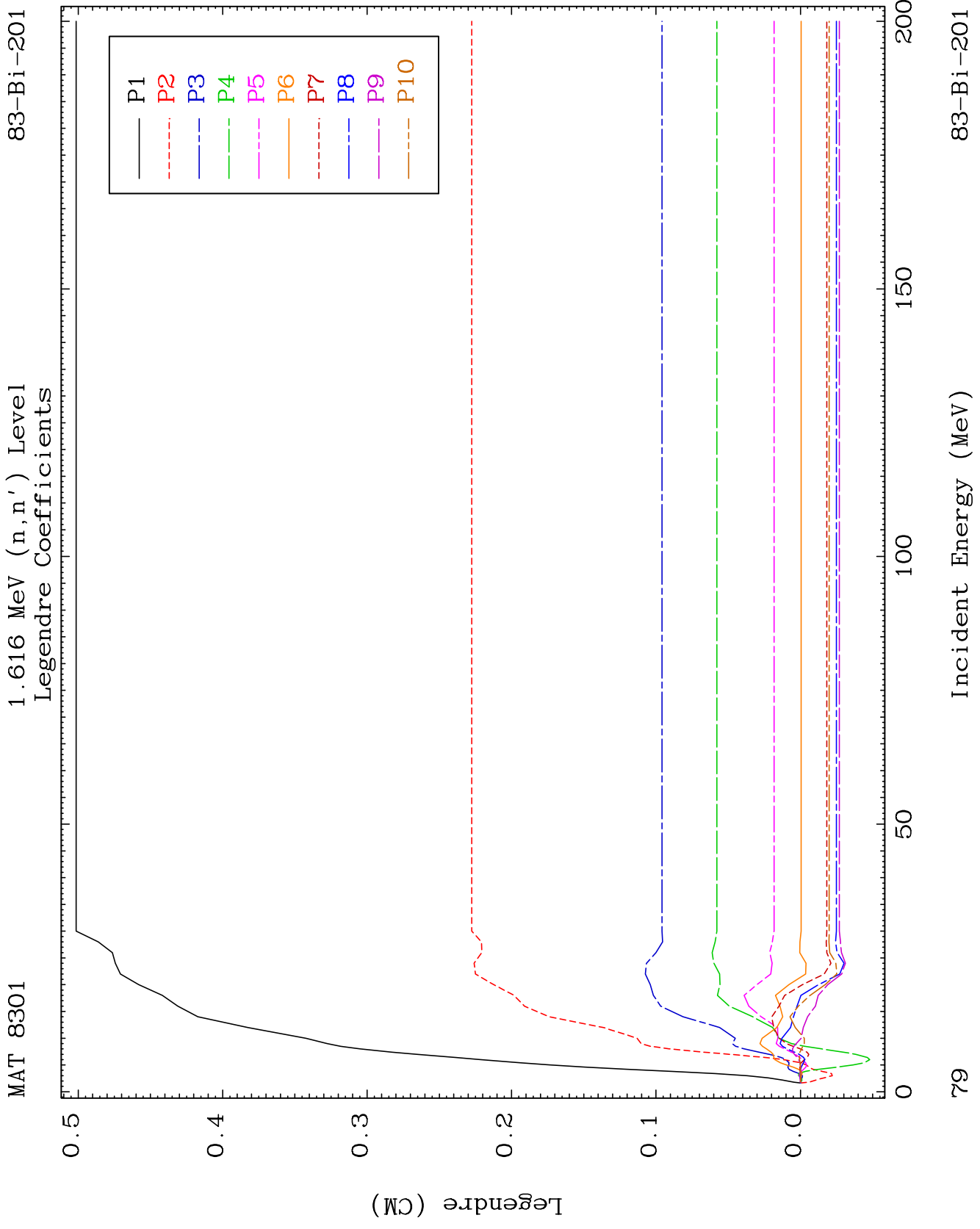








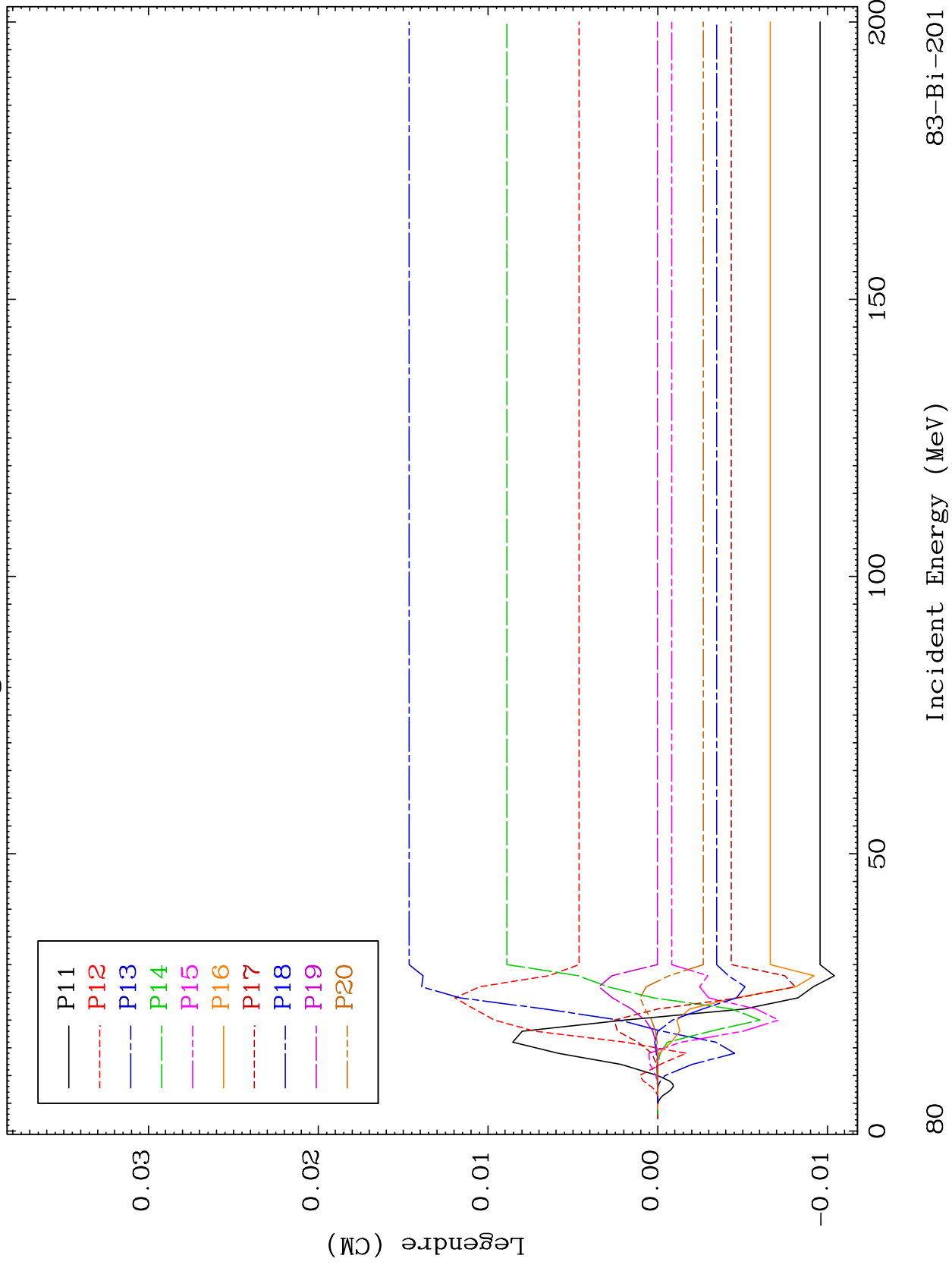




MAT 8301

1.616 MeV (n,n') Level
Legendre Coefficients

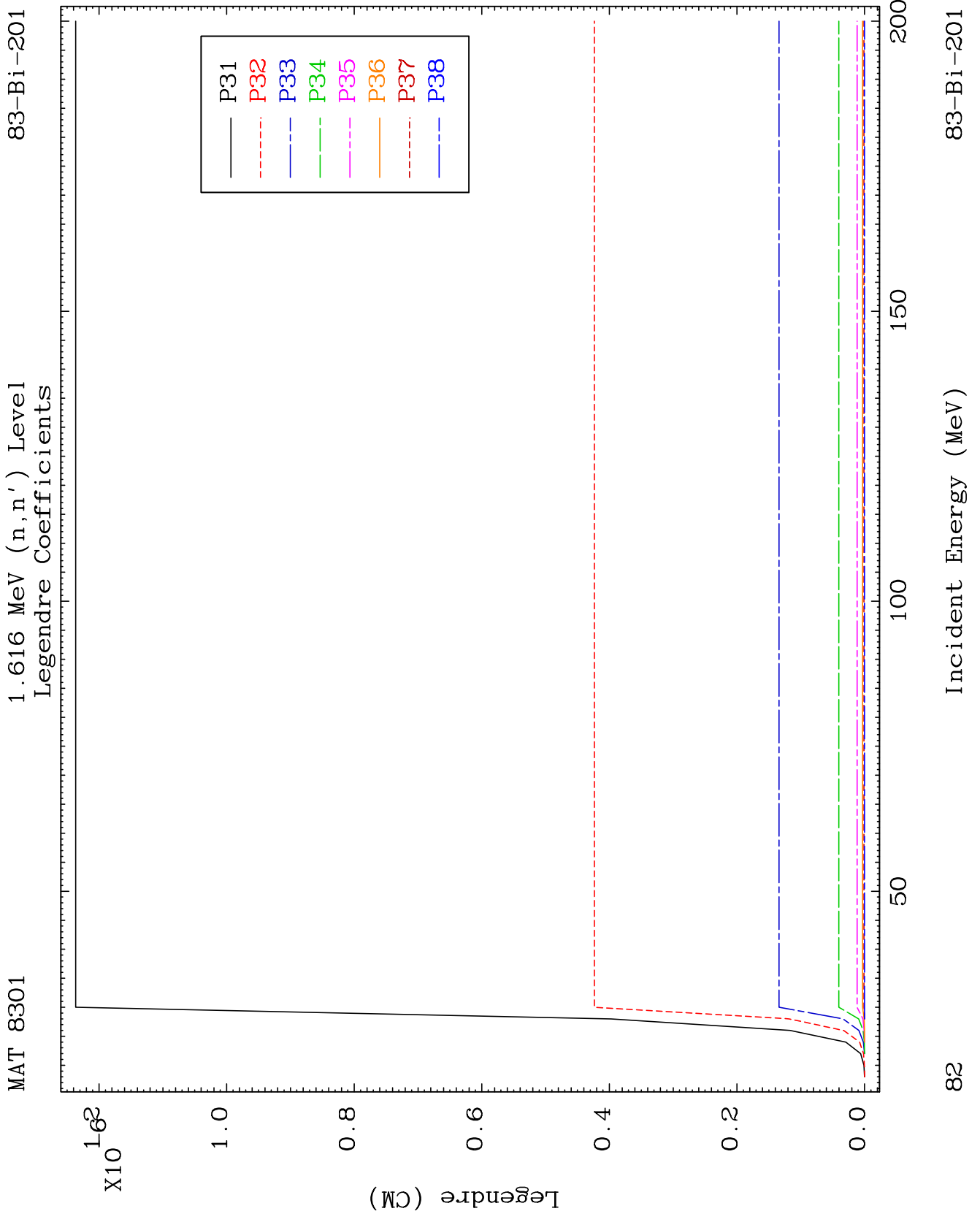
83-Bi-201

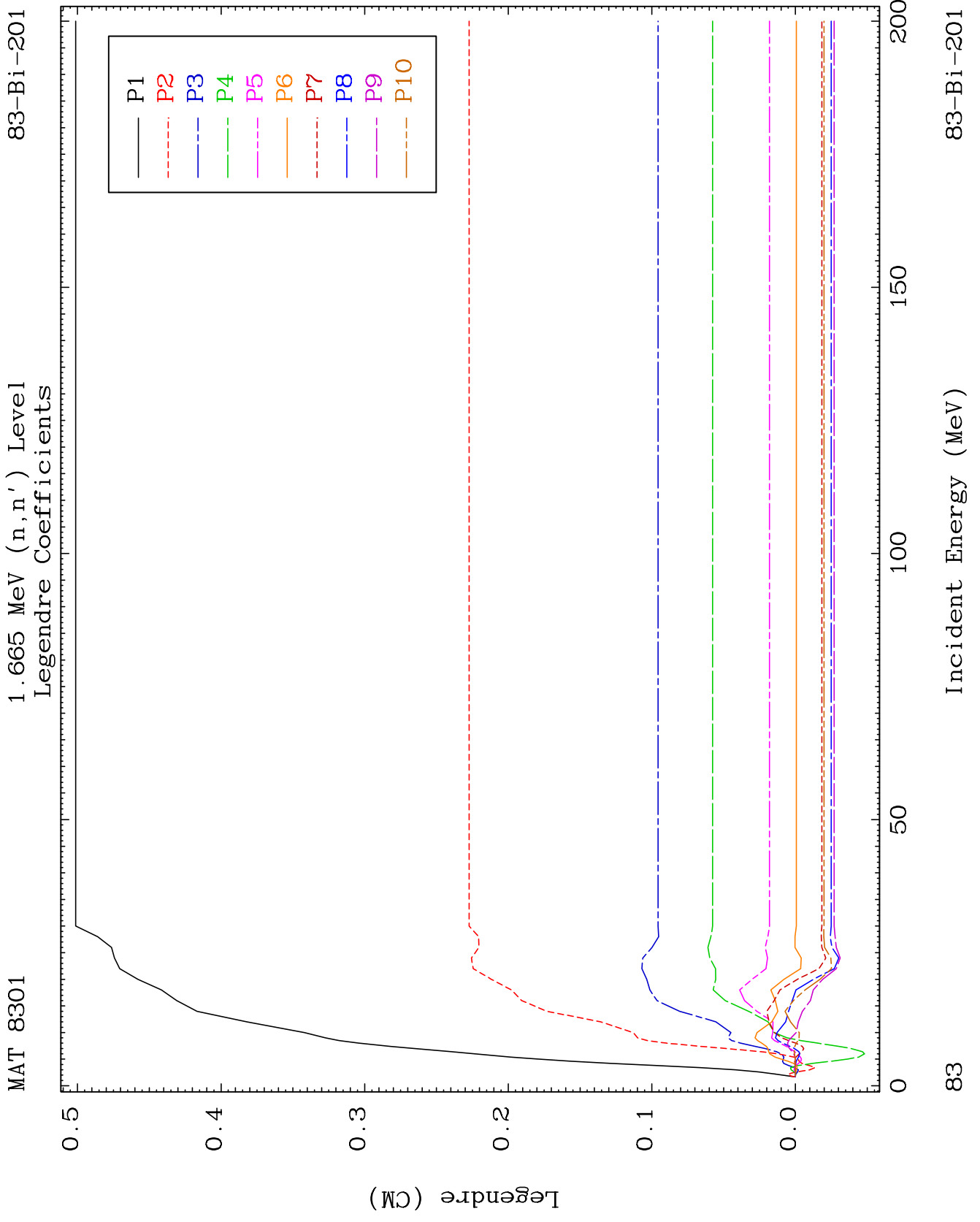


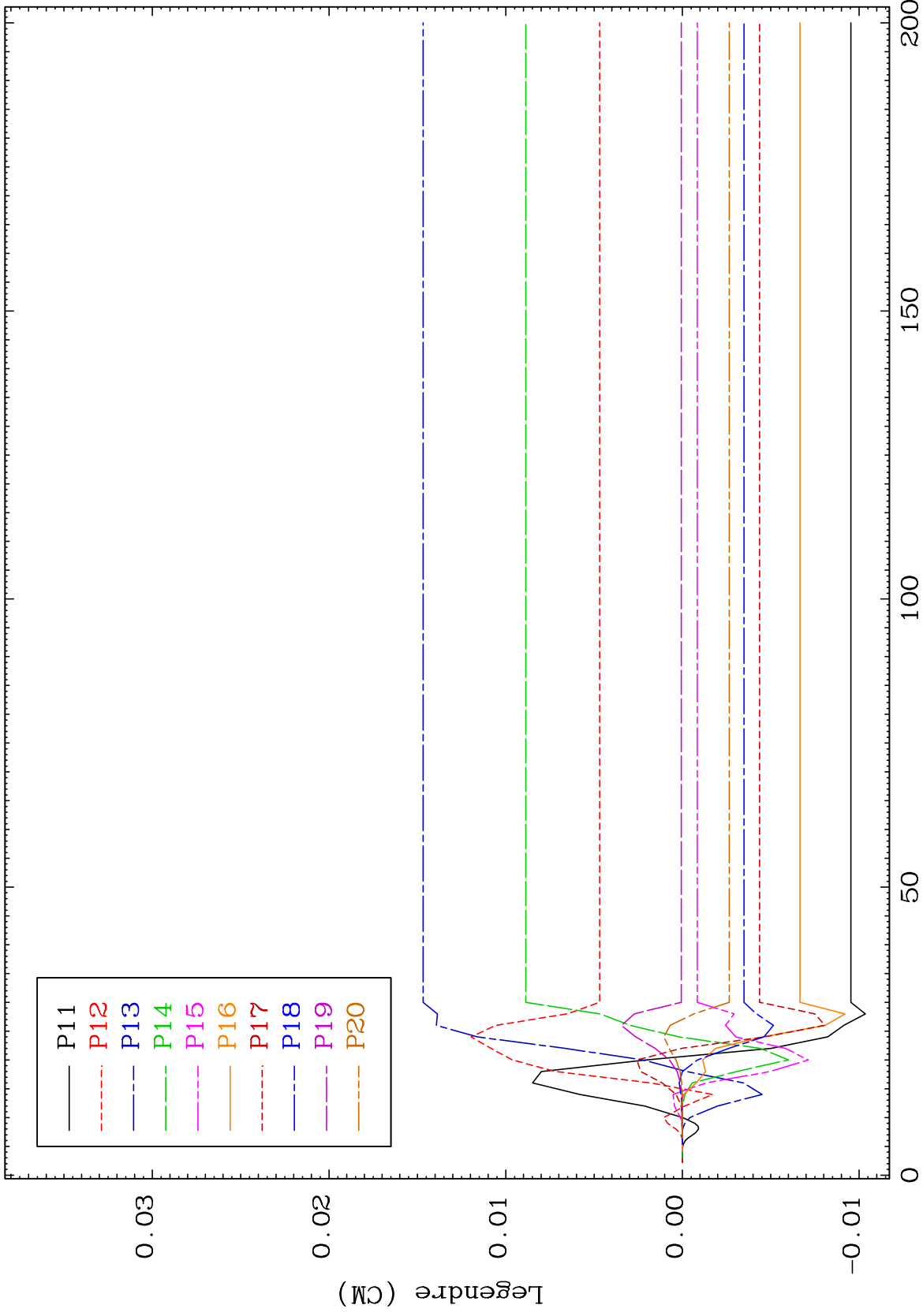
83-Bi-201

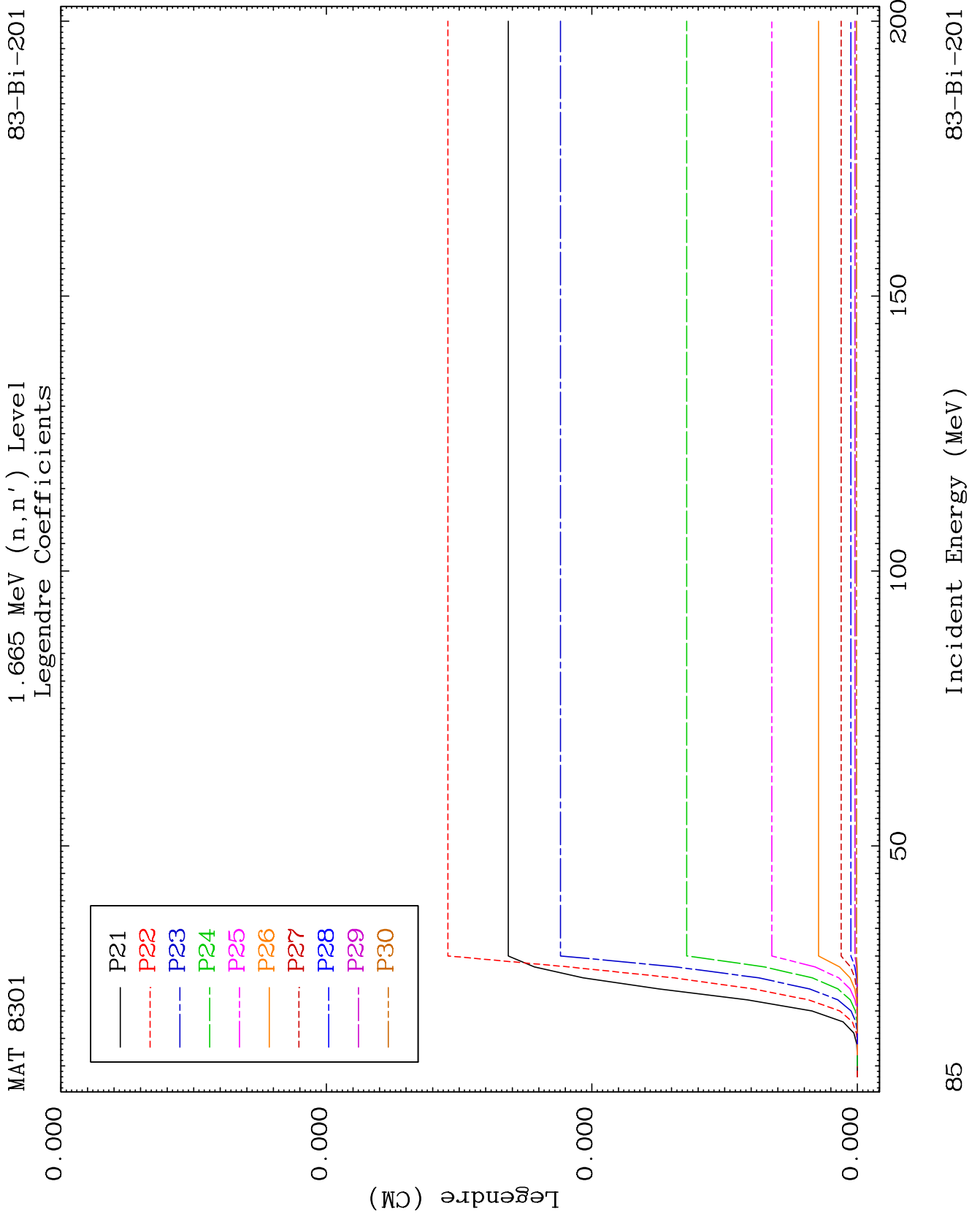
Incident Energy (MeV)

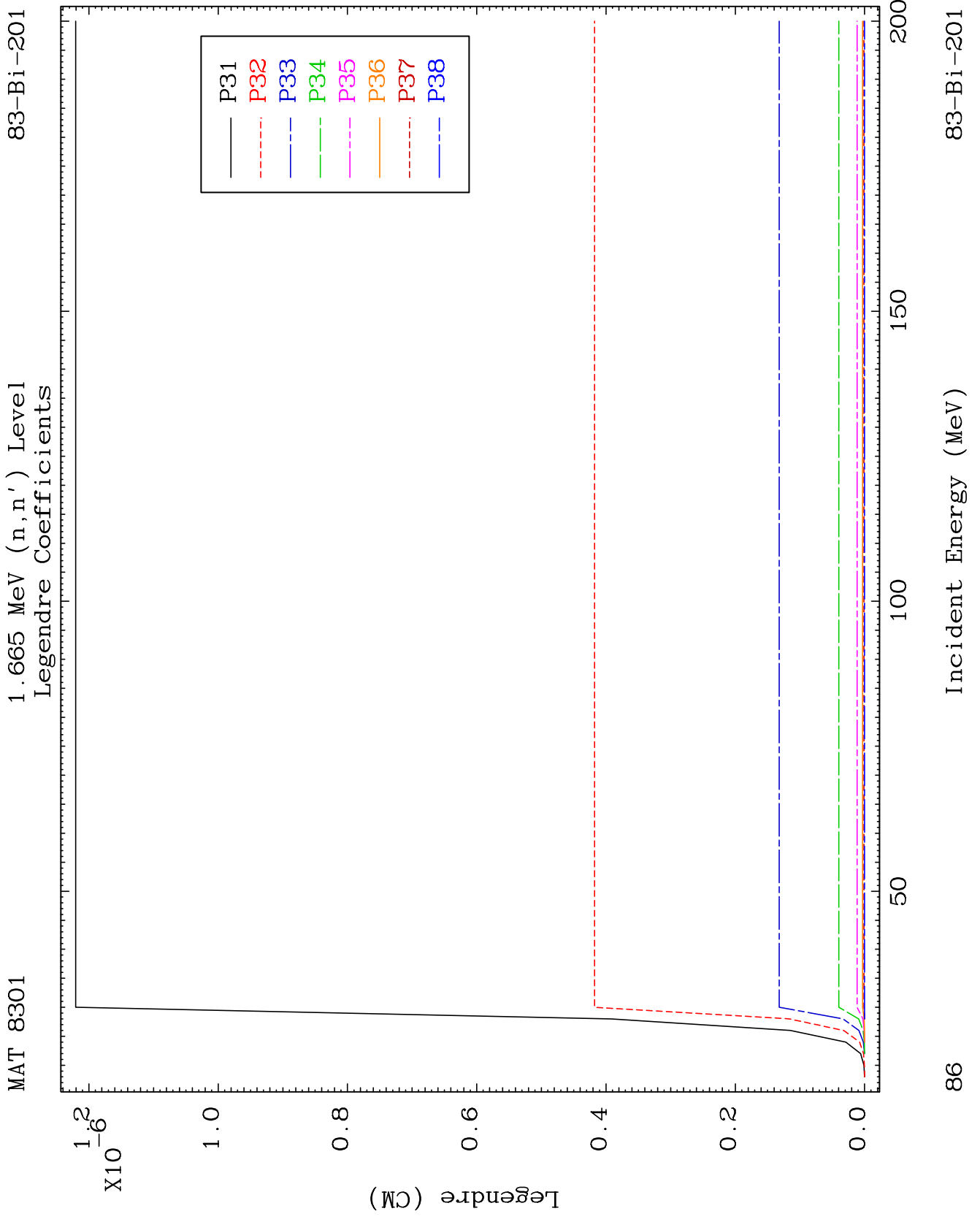
80







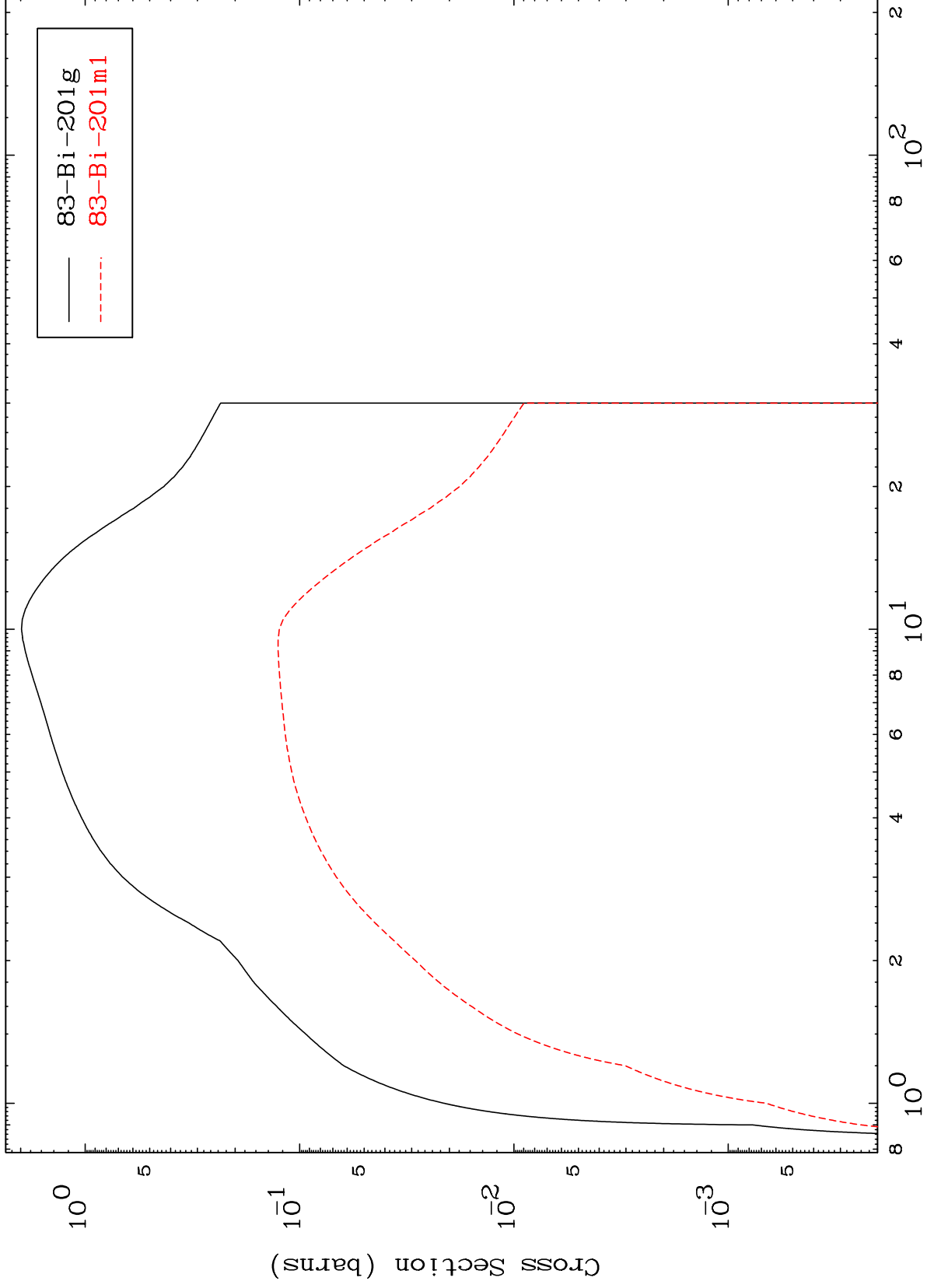




MAT 8301

83-Bi-201

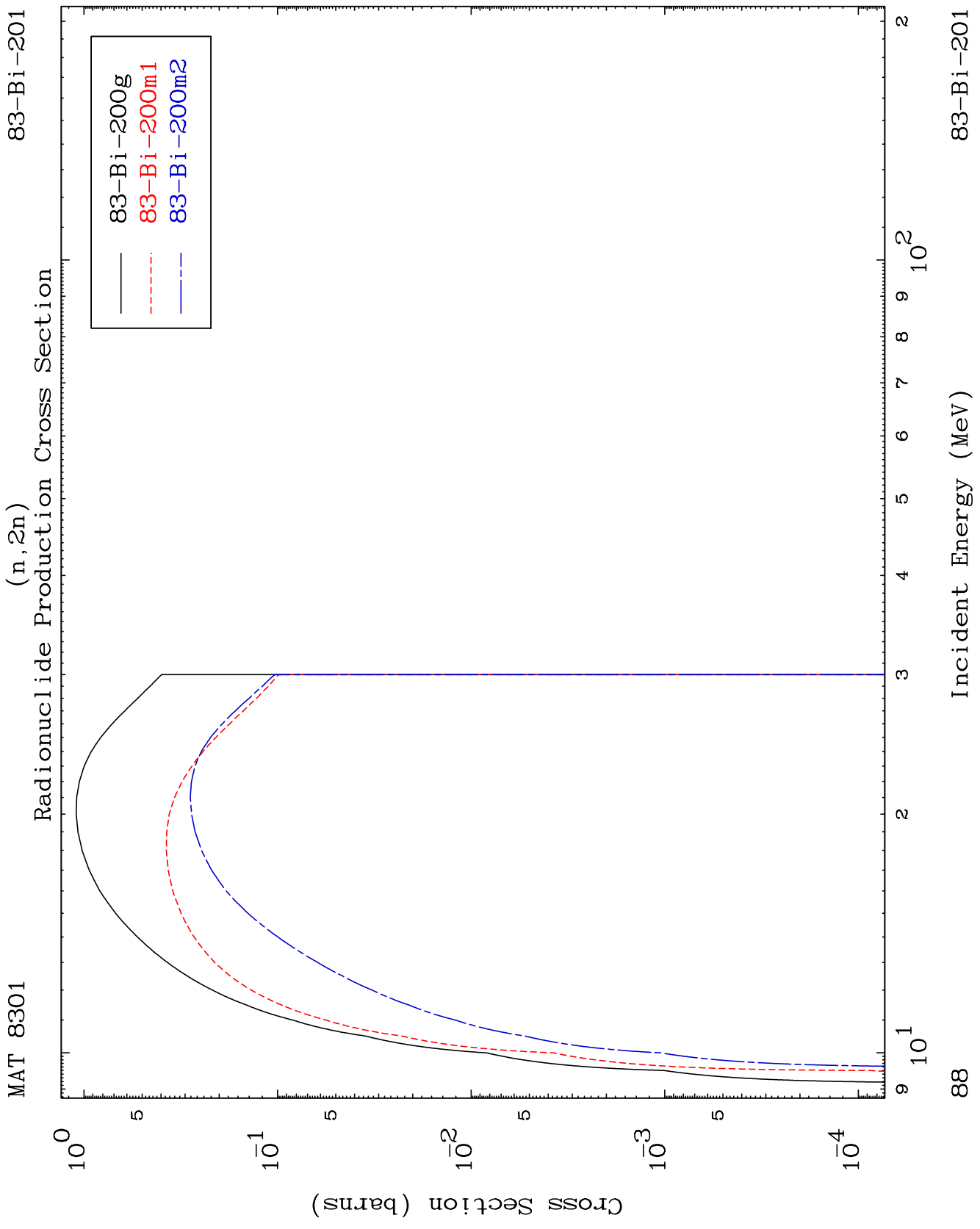
Inelastic
Radionuclide Production Cross Section



87

Incident Energy (MeV)

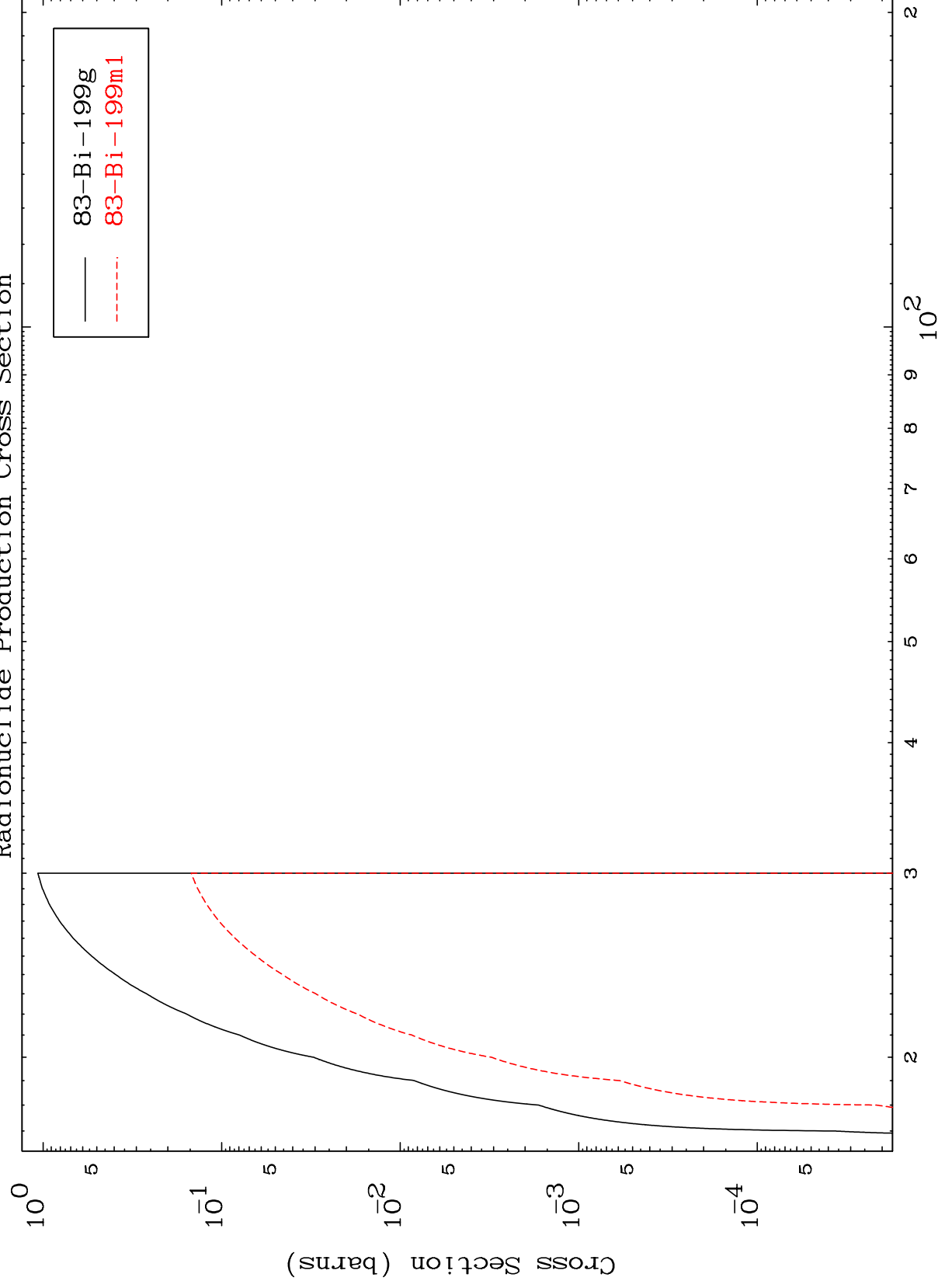
83-Bi-201



MAT 8301

83-Bi-201

(n,3n)
Radionuclide Production Cross Section



89

Incident Energy (MeV)

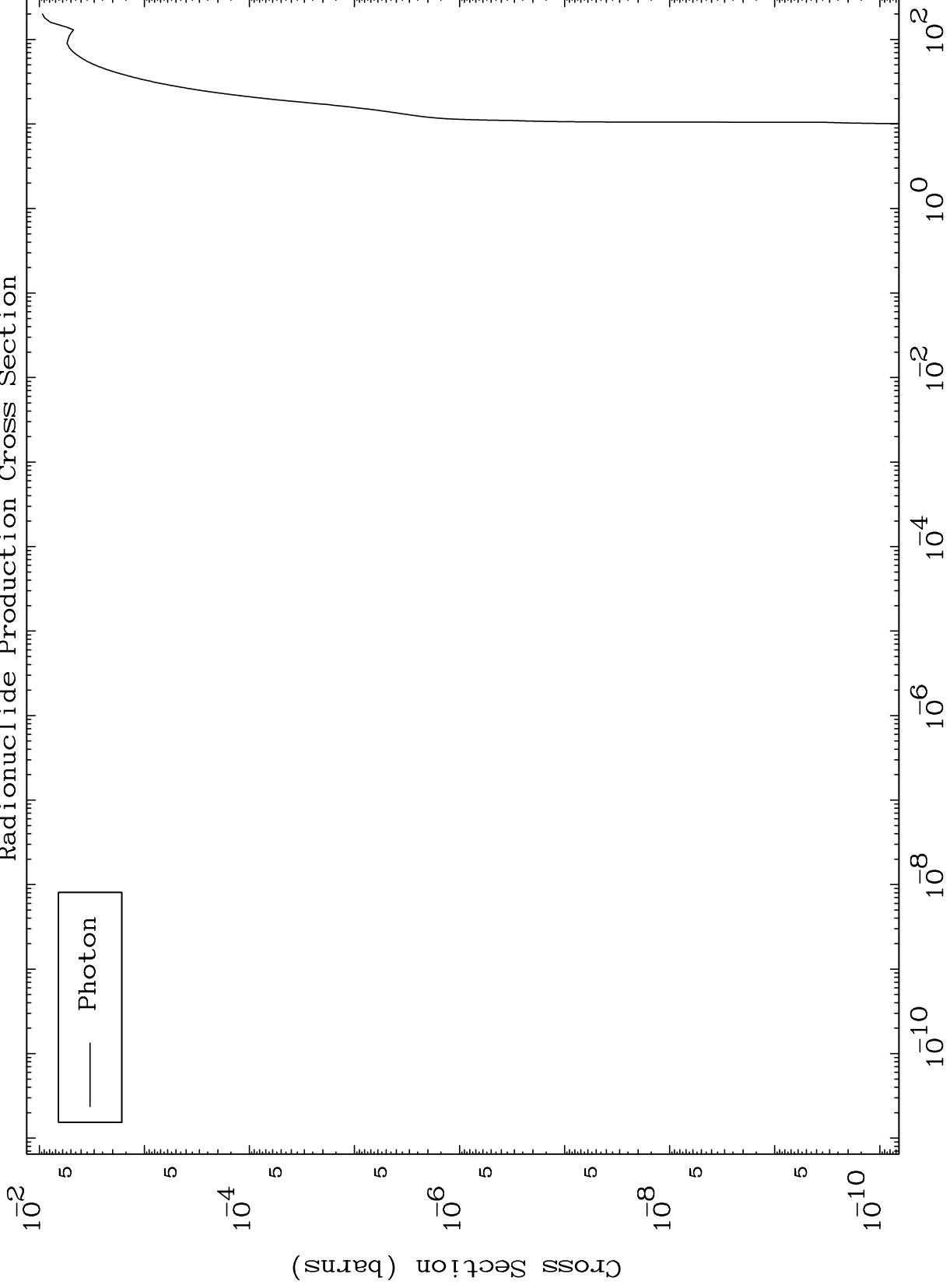
83-Bi-201

MAT 8301

Fission

⁸³Bi-201

Radionuclide Production Cross Section



90

Incident Energy (MeV)

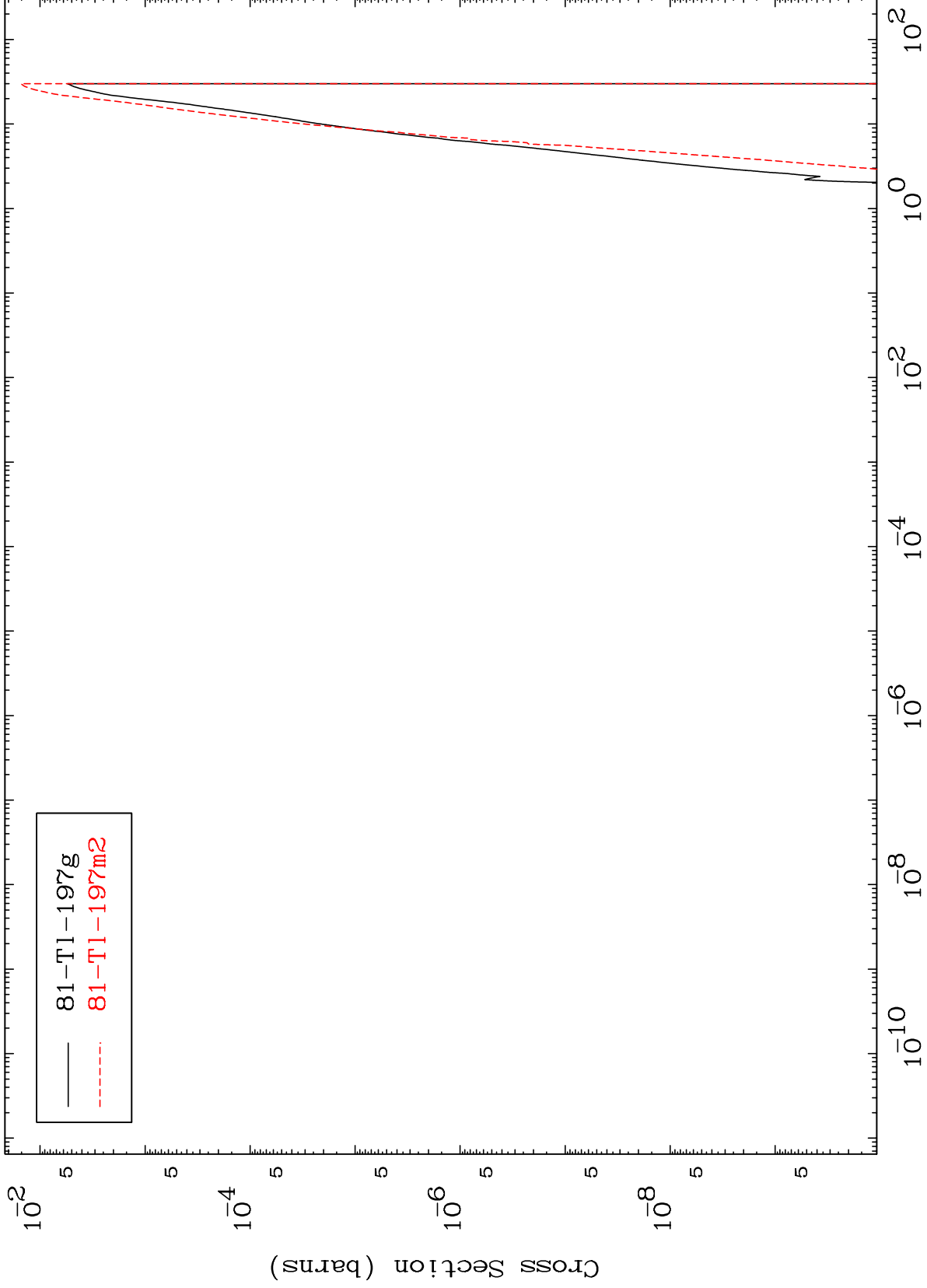
⁸³Bi-201

MAT 8301

$(n, n') \alpha$

$^{83}\text{Bi}-201$

Radionuclide Production Cross Section



91

Incident Energy (MeV)

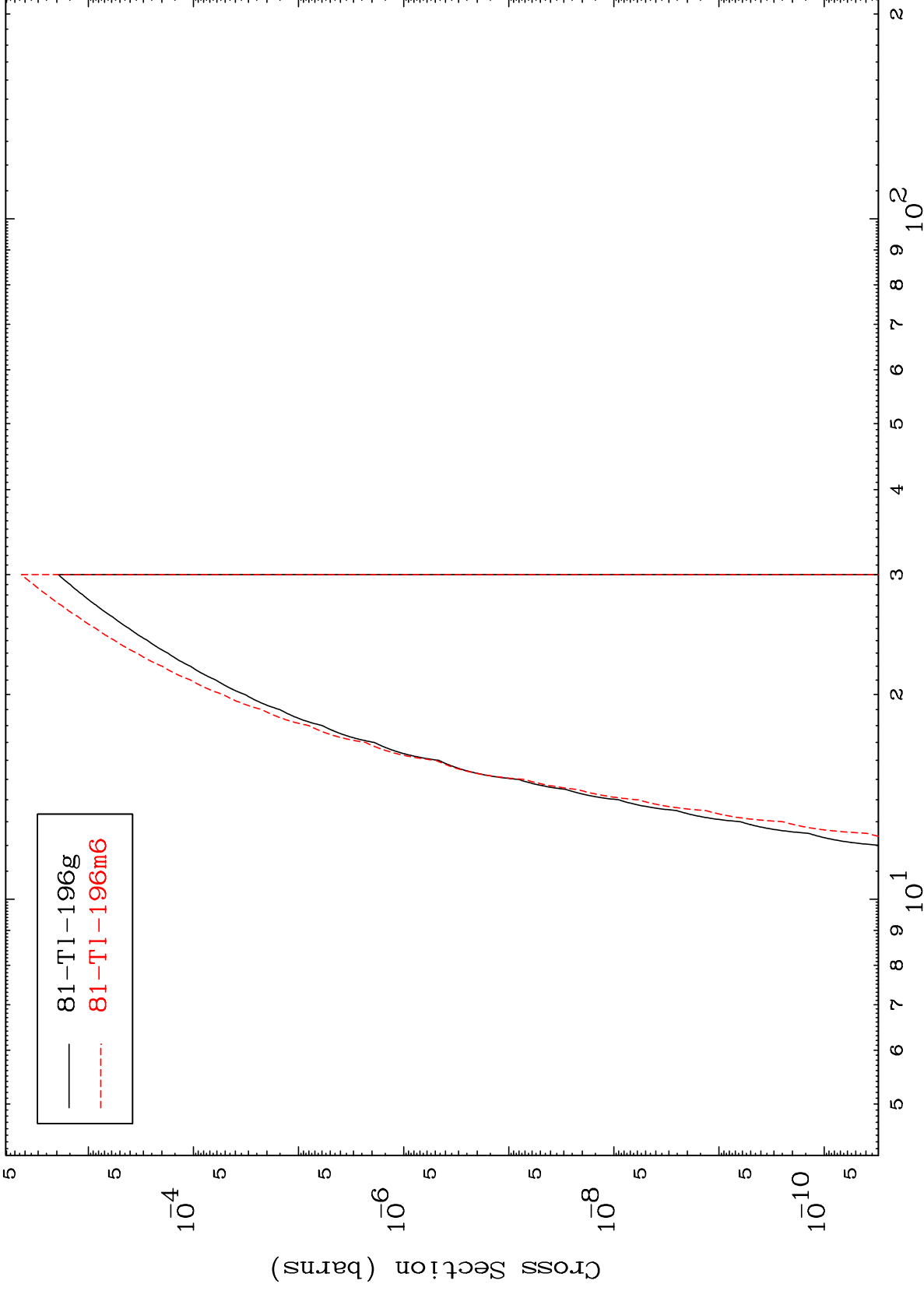
$^{83}\text{Bi}-201$

MAT 8301

$(n,2n) \alpha$

83-Bi-201

Radionuclide Production Cross Section



92

Incident Energy (MeV)

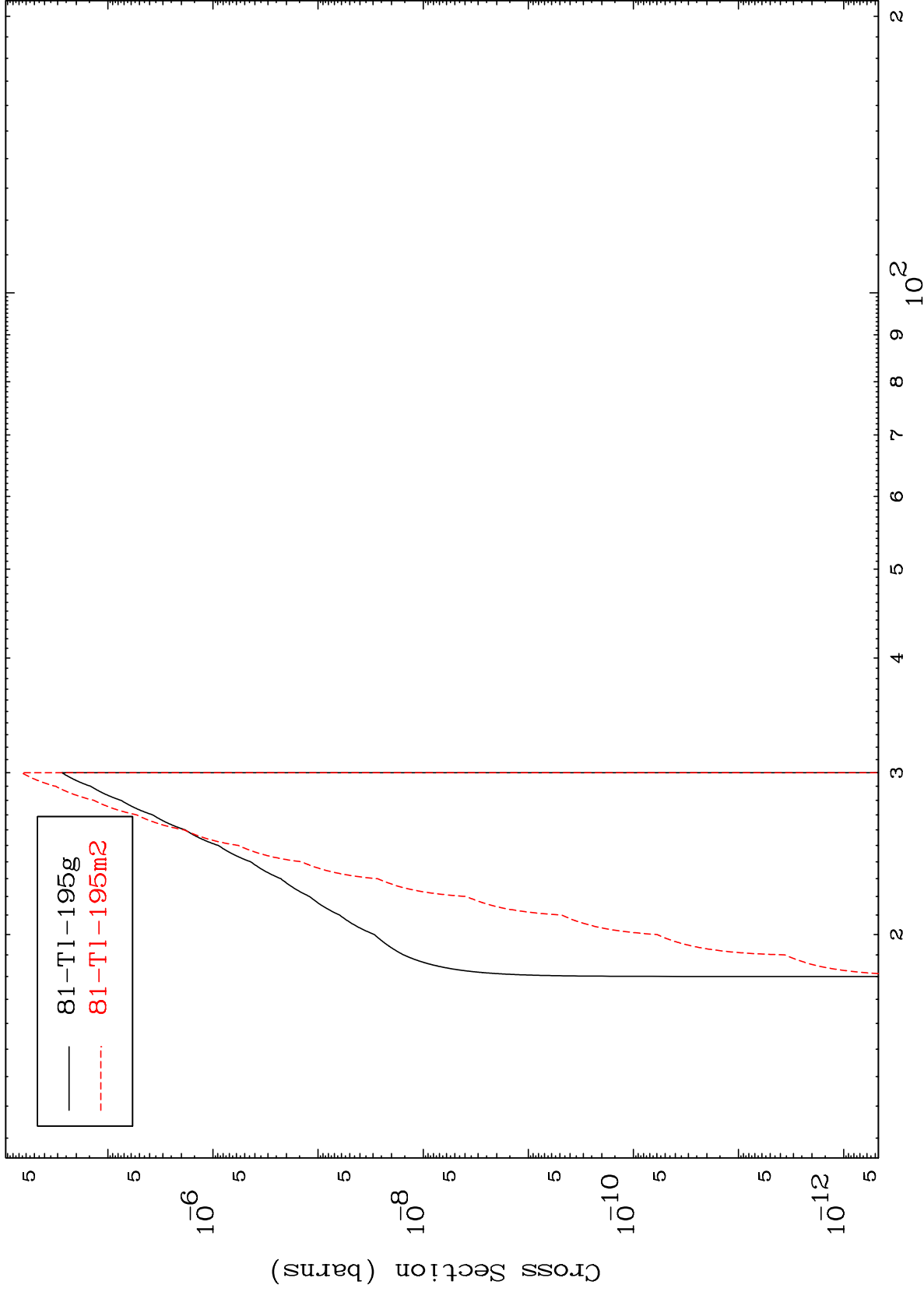
83-Bi-201

MAT 8301

$(n,3n) \alpha$

83-Bi-201

Radionuclide Production Cross Section



93

Incident Energy (MeV)

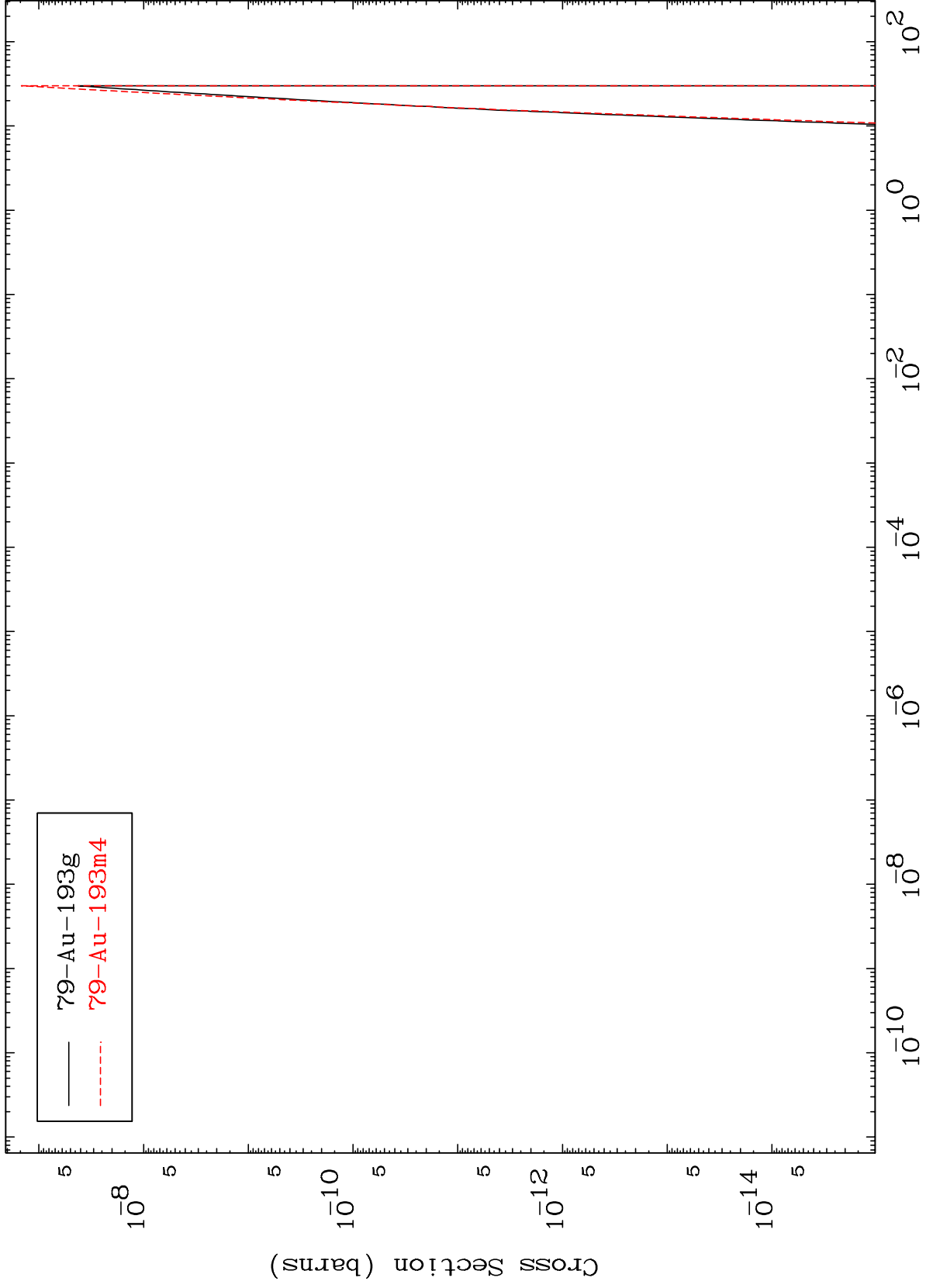
83-Bi-201

MAT 8301

(n,n') 2 α

83-Bi-201

Radionuclide Production Cross Section



94

Incident Energy (MeV)

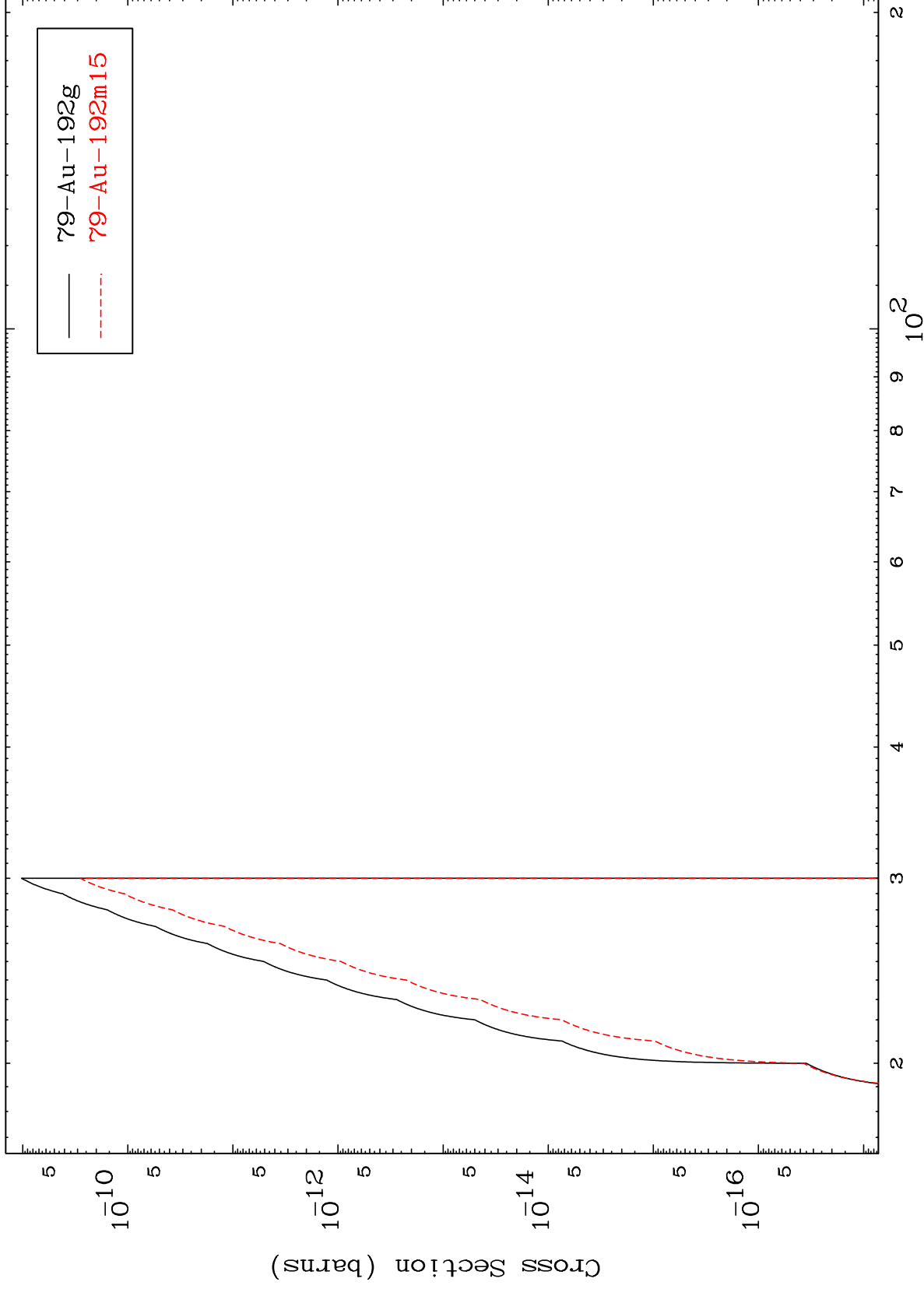
83-Bi-201

MAT 8301

(n,2n) 2 α

83-Bi-201

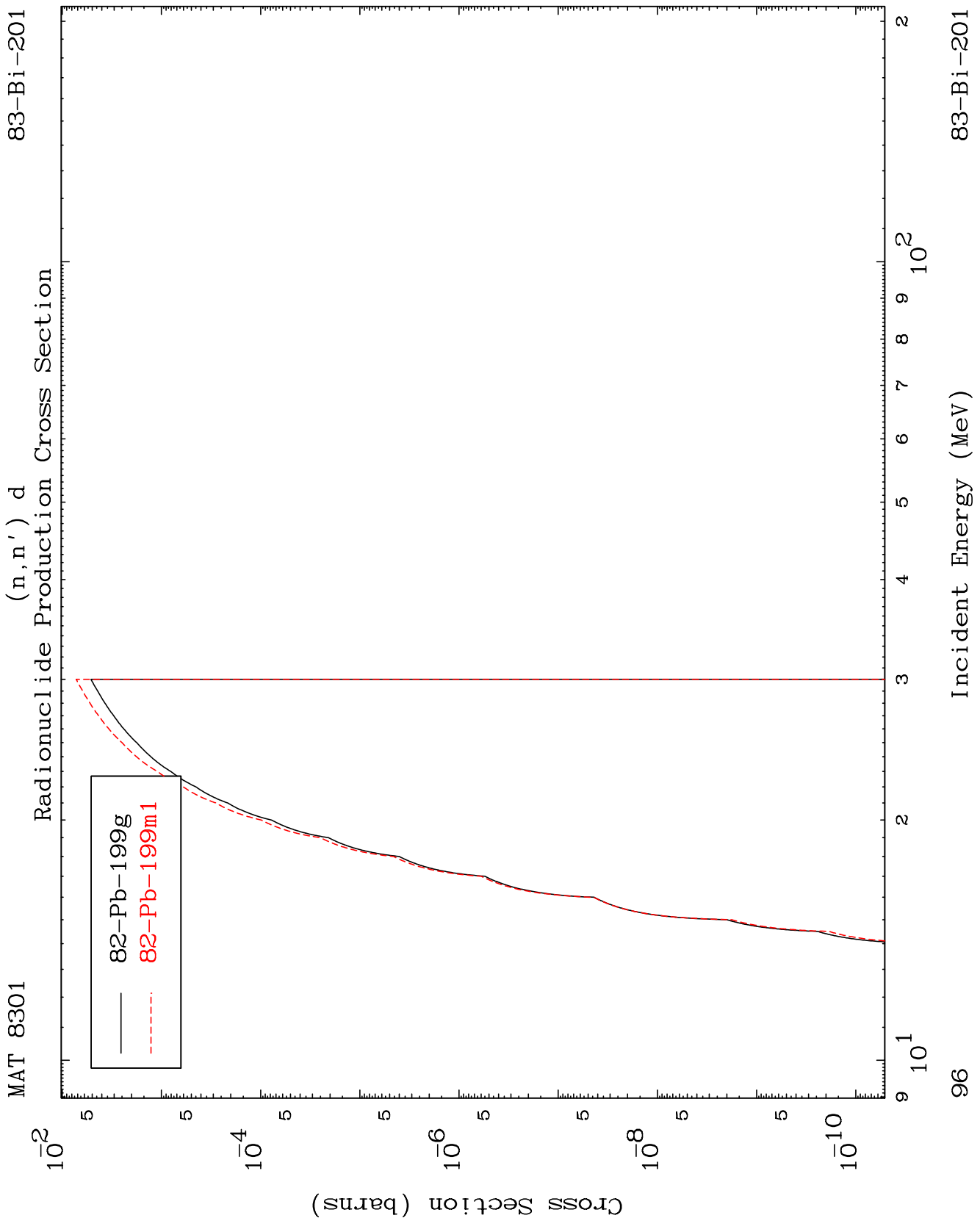
Radionuclide Production Cross Section



95

Incident Energy (MeV)

83-Bi-201

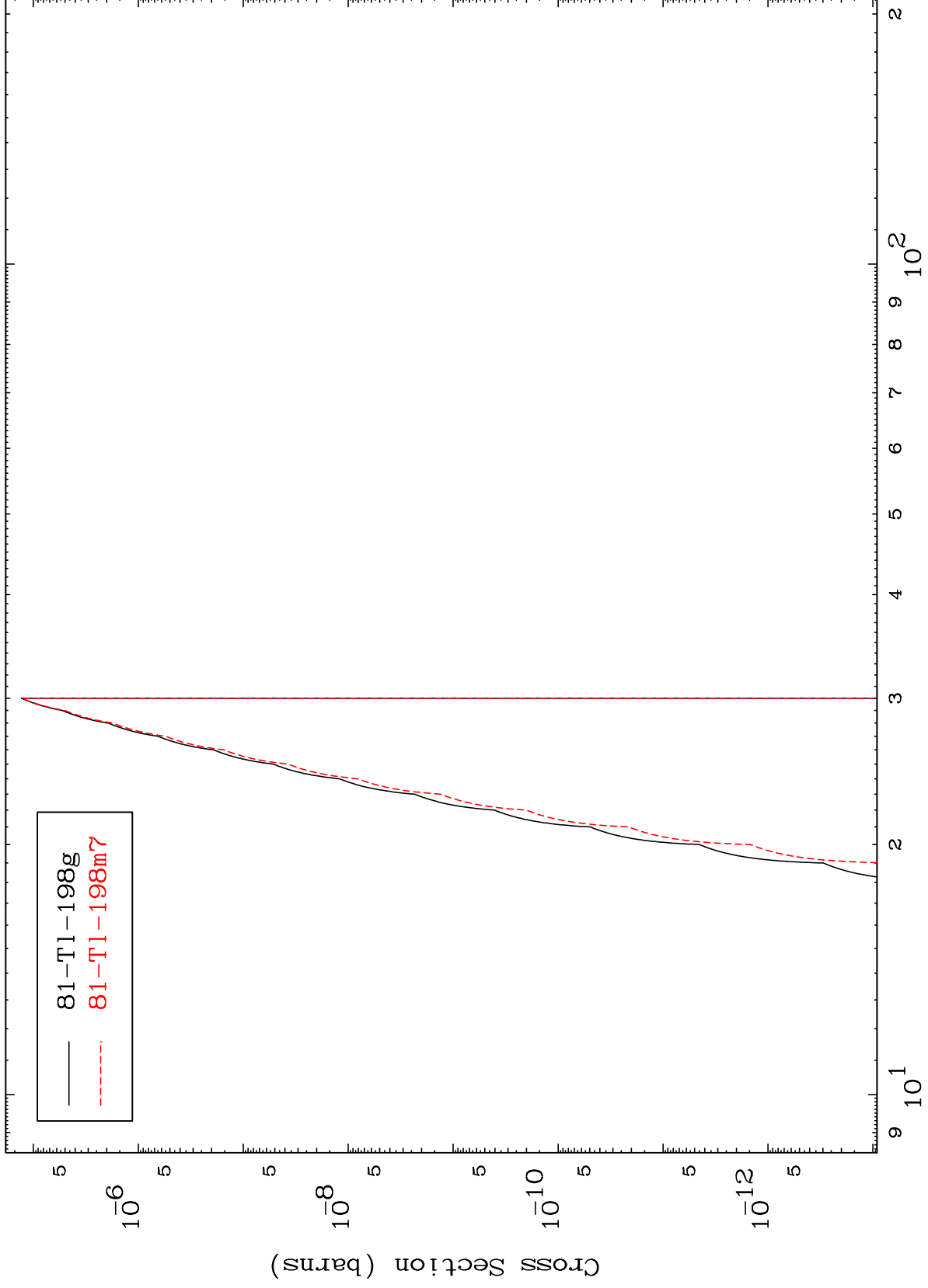


MAT 8301

(n,n') He-3

83-Bi-201

Radionuclide Production Cross Section



97

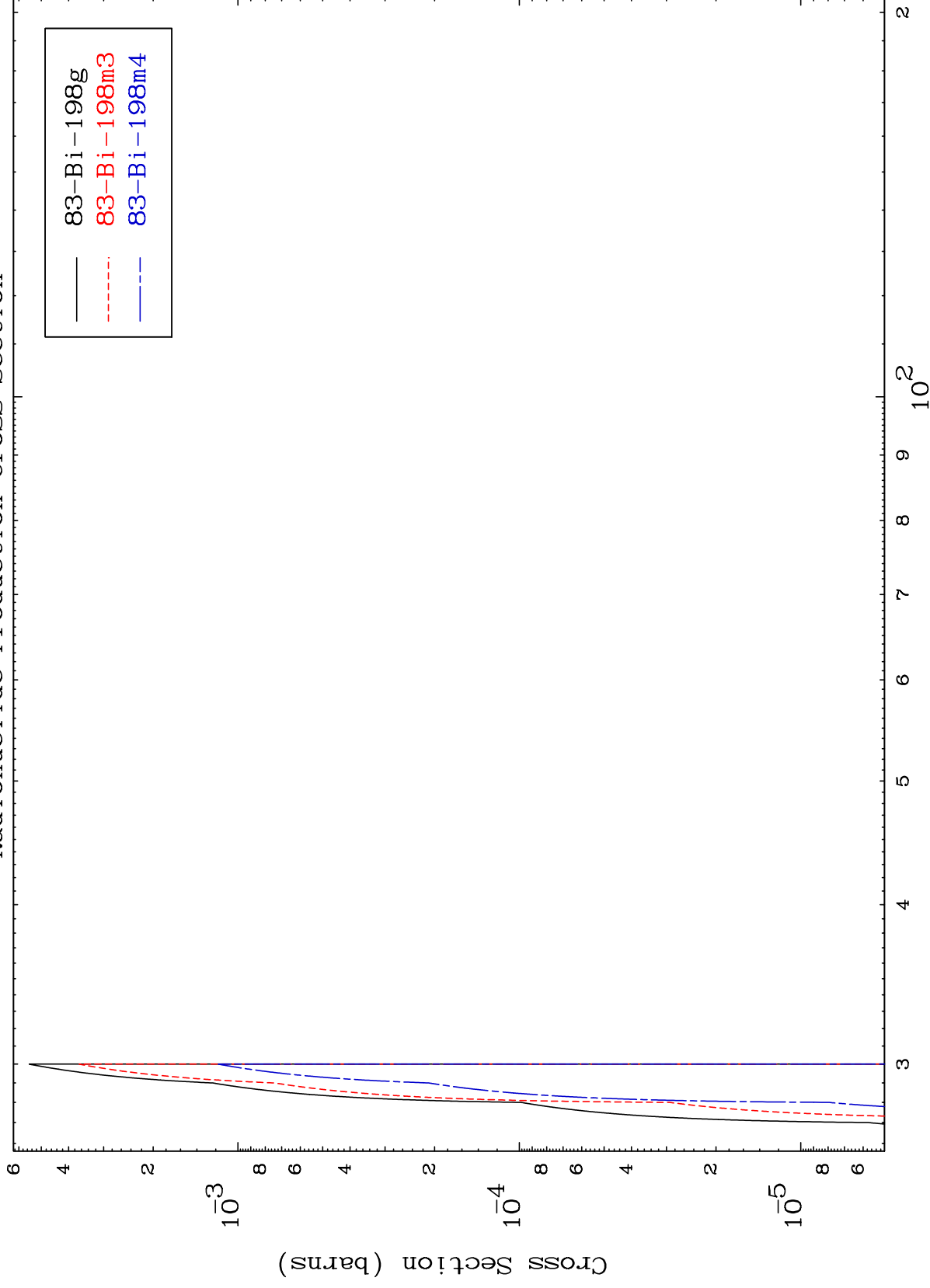
Incident Energy (MeV)

83-Bi-201

MAT 8301

83-Bi-201

(n,4n)
Radionuclide Production Cross Section



98

83-Bi-201

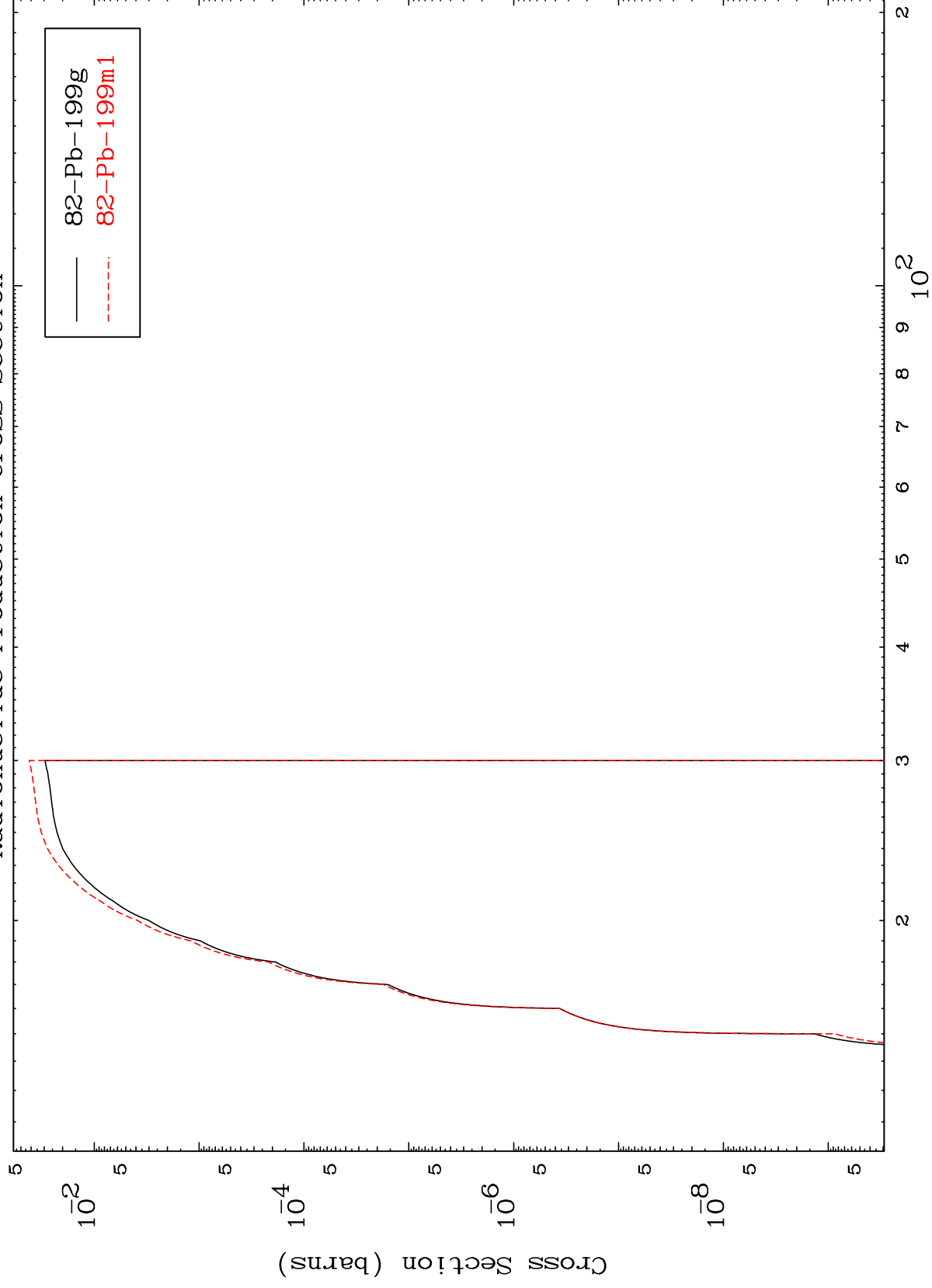
Incident Energy (MeV)

MAT 8301

83-Bi-201

(n,2n) p

Radionuclide Production Cross Section



99

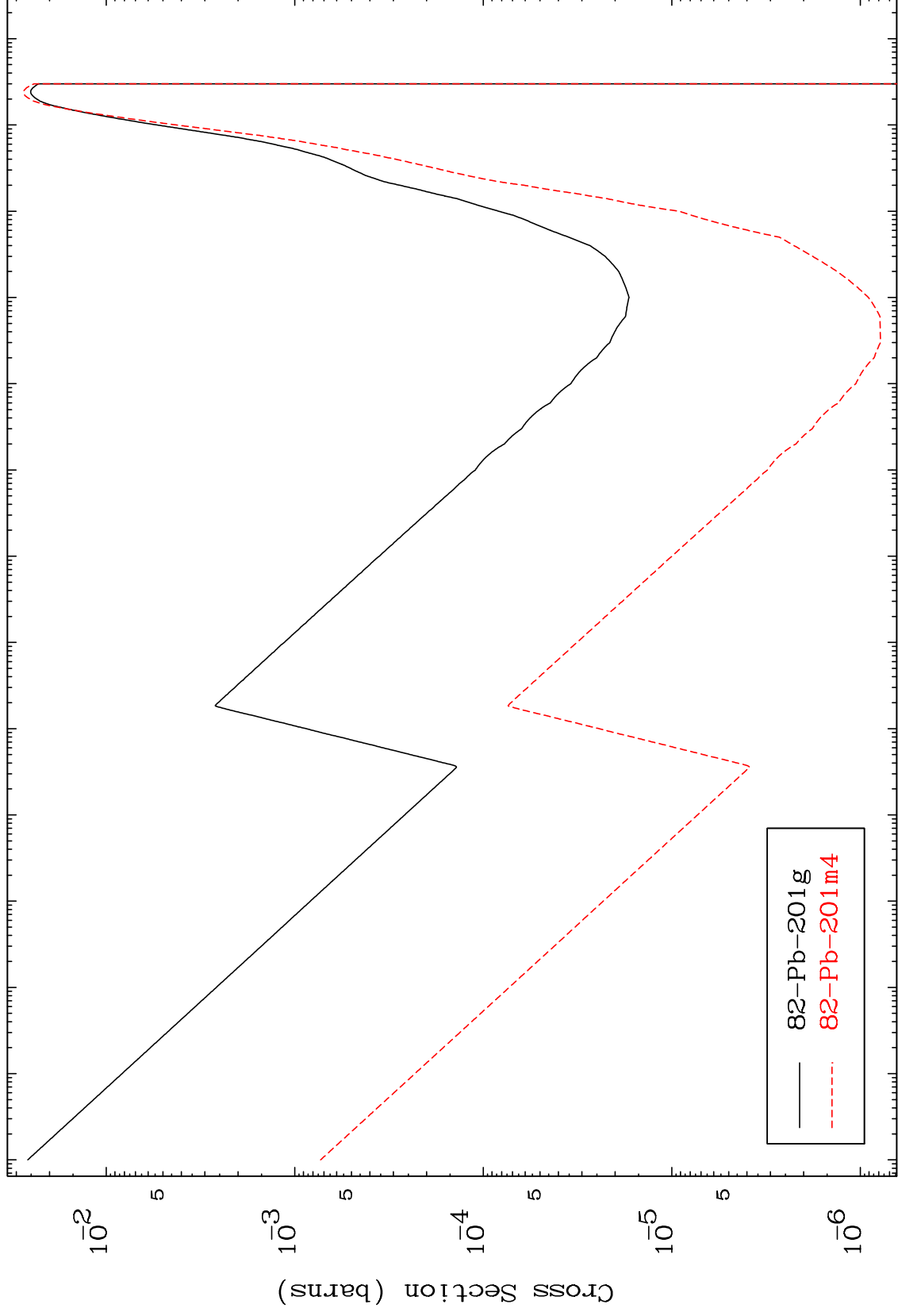
Incident Energy (MeV)

83-Bi-201

MAT 8301

⁸³Bi-201

(n,p)
Radionuclide Production Cross Section



100

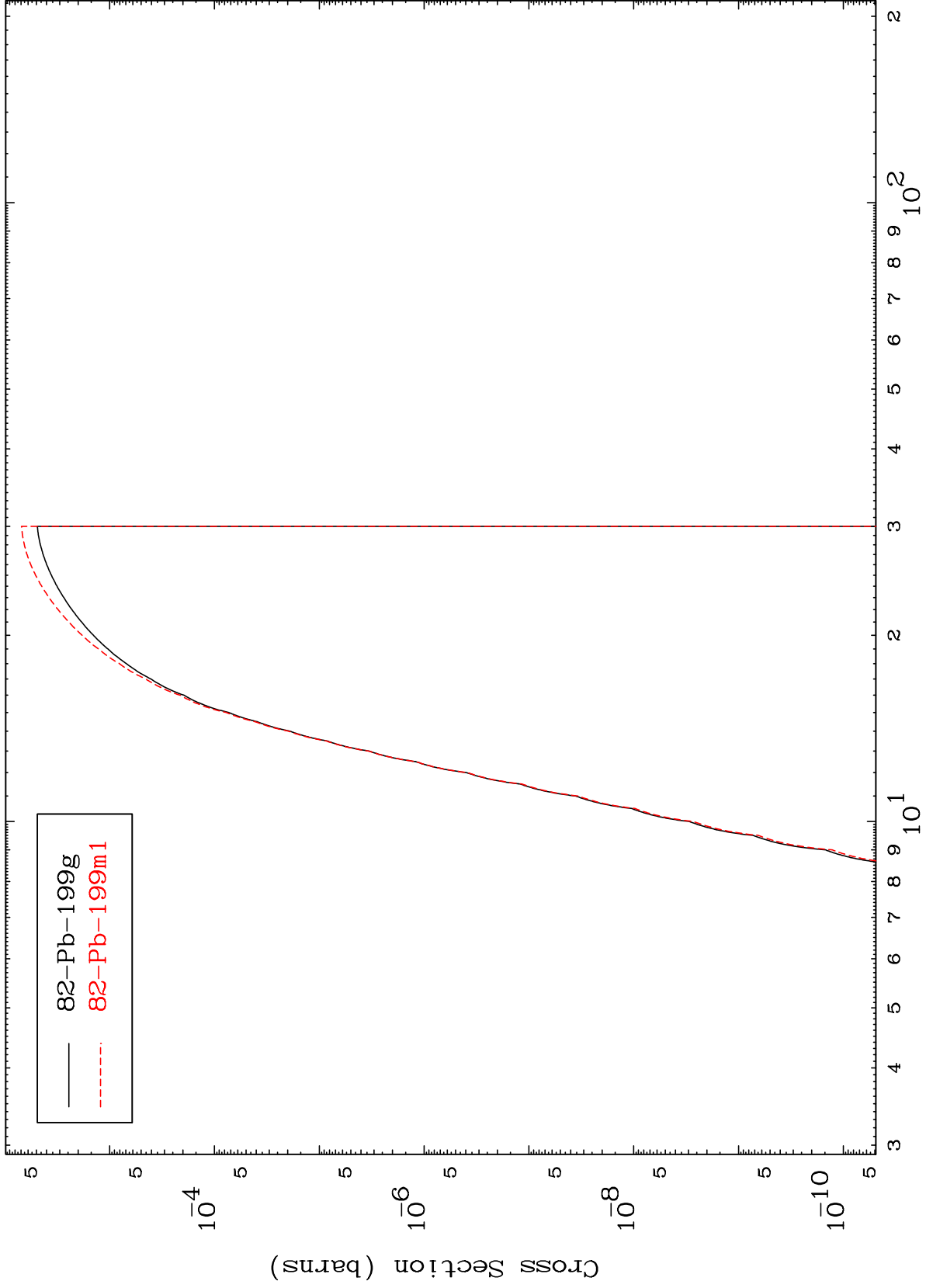
Incident Energy (MeV)

⁸³Bi-201

MAT 8301

83-Bi-201

(n, t)
Radionuclide Production Cross Section



101

Incident Energy (MeV)

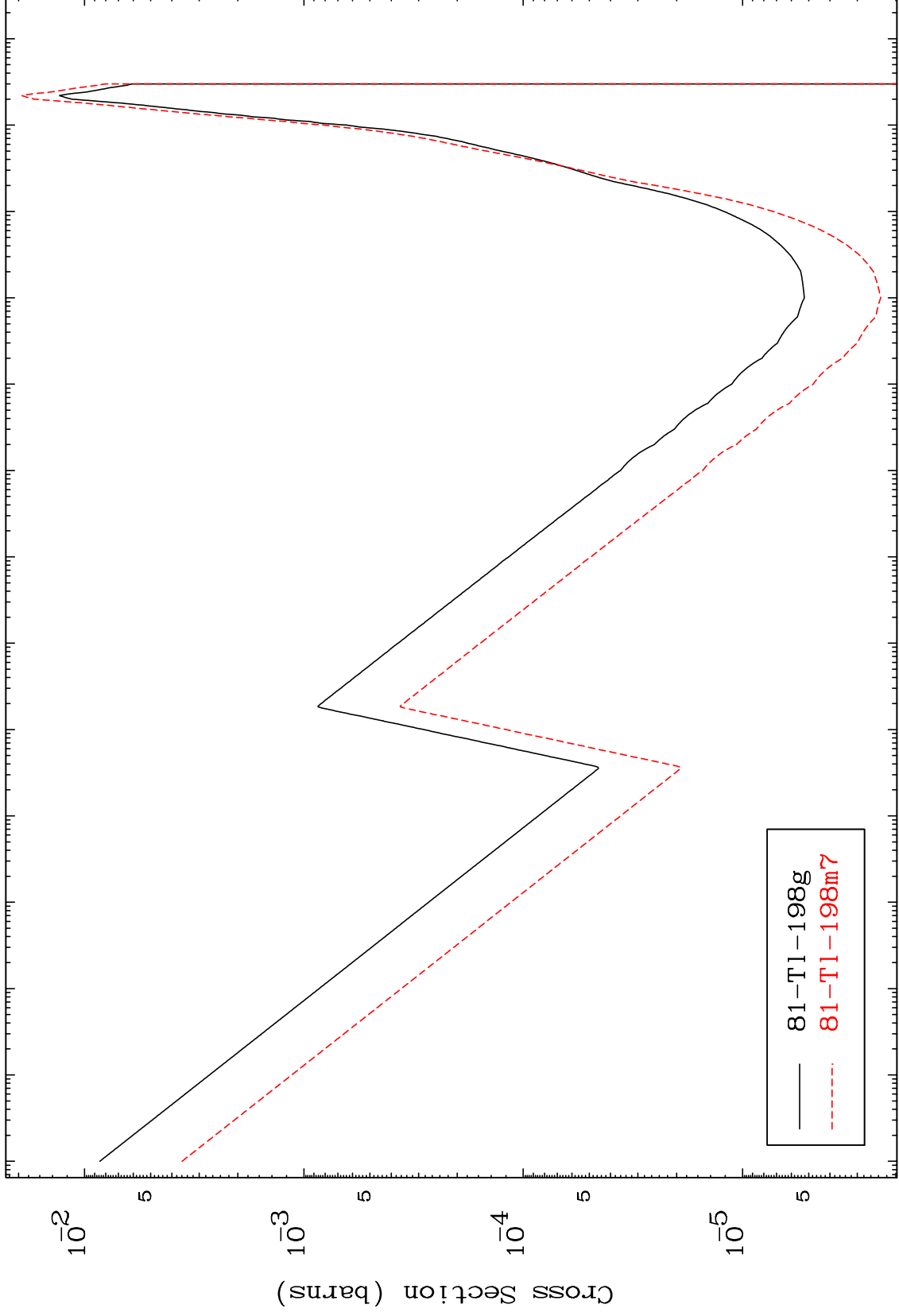
83-Bi-201

MAT 8301

(n, α)

83-Bi-201

Radionuclide Production Cross Section



102

Incident Energy (MeV)

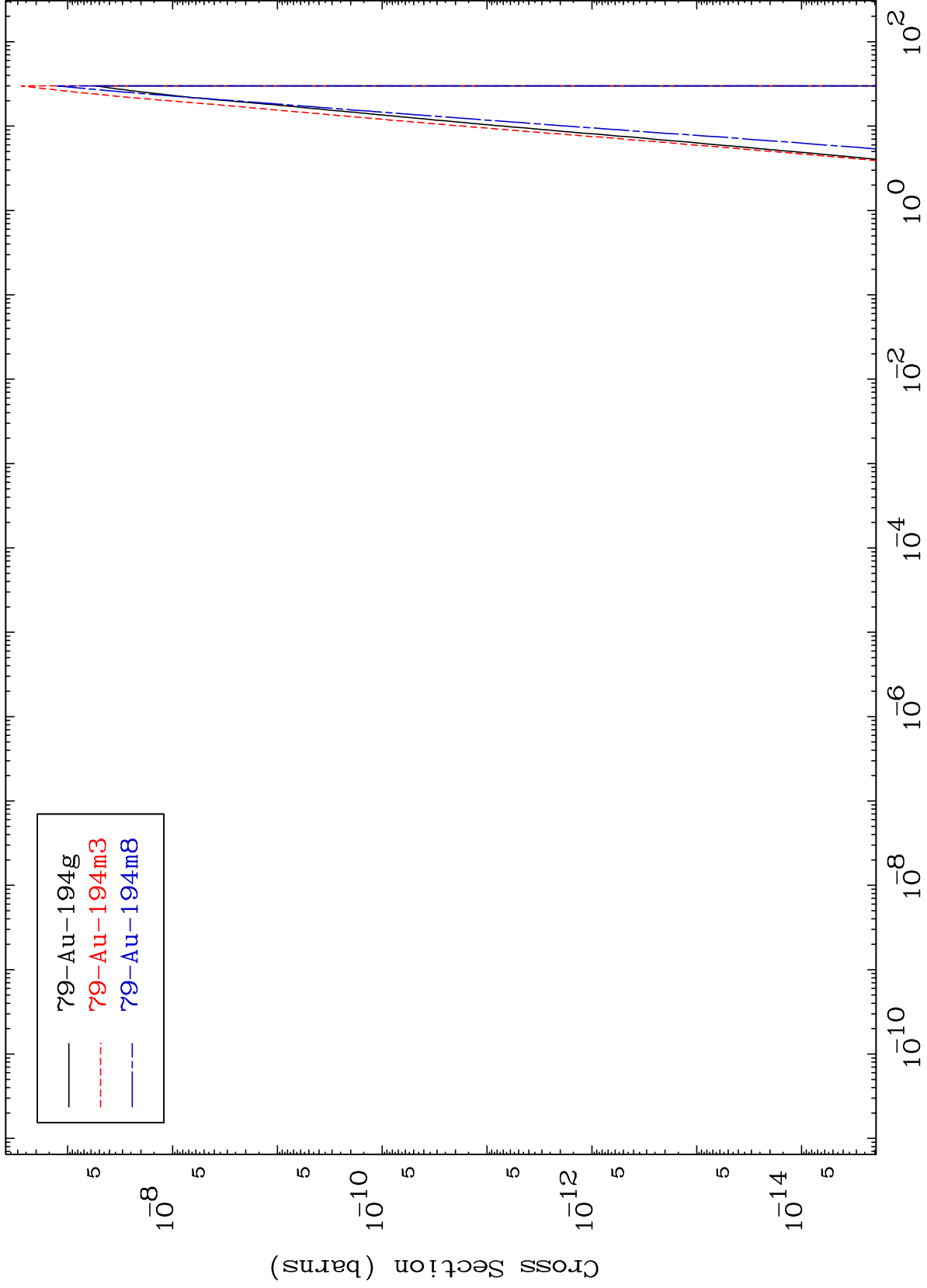
83-Bi-201

MAT 8301

$(n, 2\alpha)$

$^{83}\text{Bi}-201$

Radionuclide Production Cross Section



103

Incident Energy (MeV)

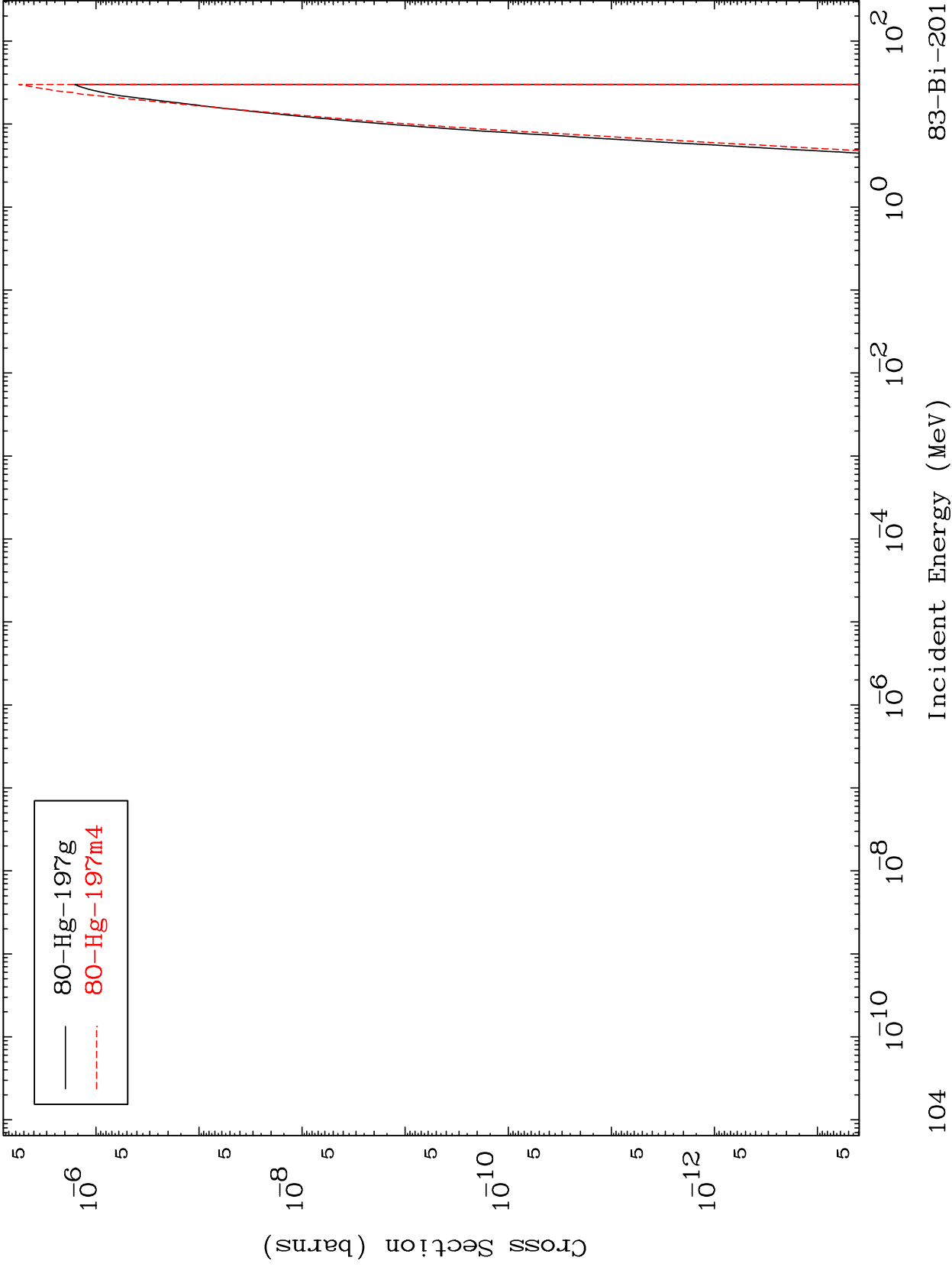
$^{83}\text{Bi}-201$

MAT 8301

(n,p) α

83-Bi-201

Radionuclide Production Cross Section

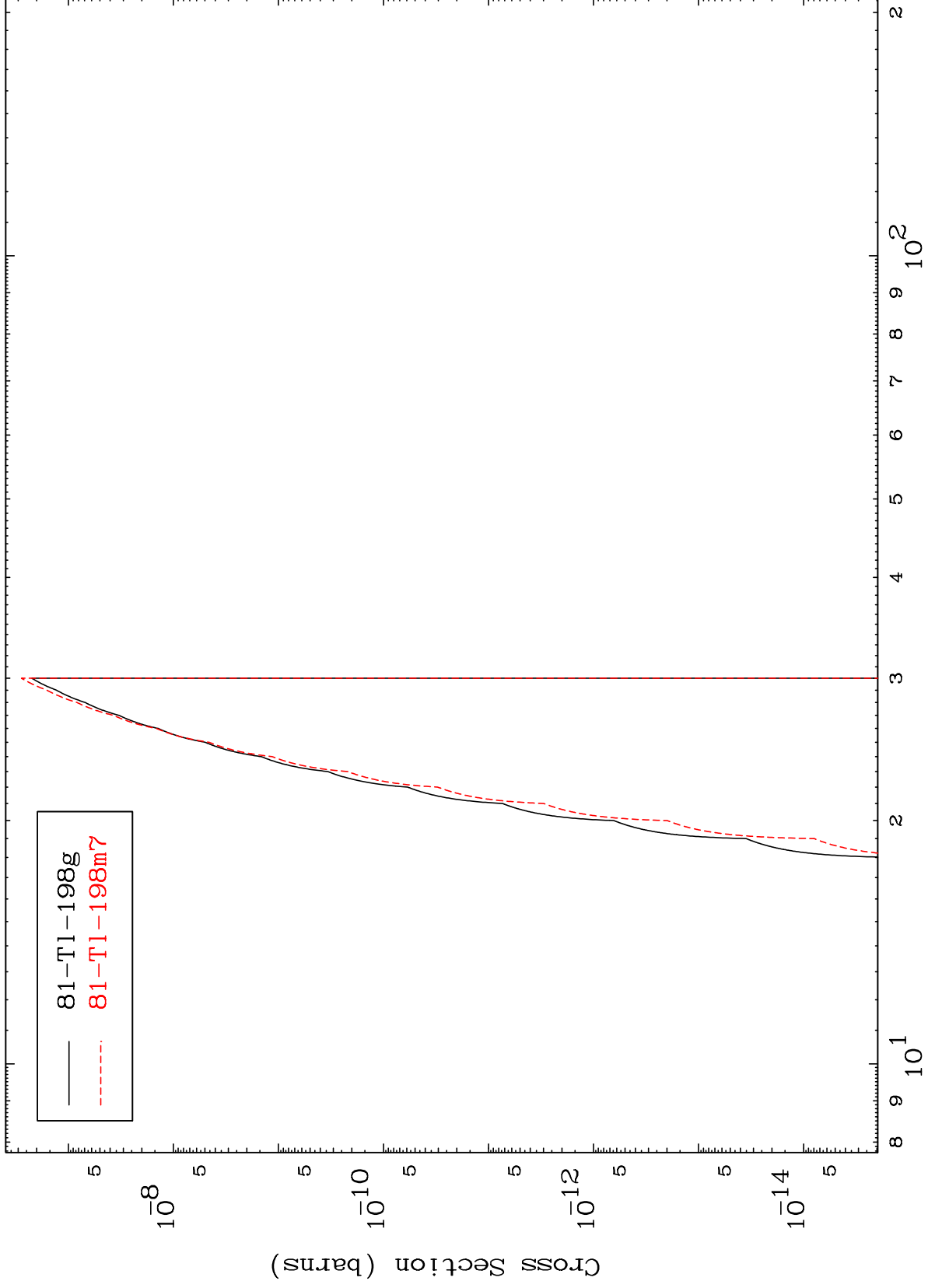


MAT 8301

(n,p) t

83-Bi-201

Radionuclide Production Cross Section



105

Incident Energy (MeV)

83-Bi-201