

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

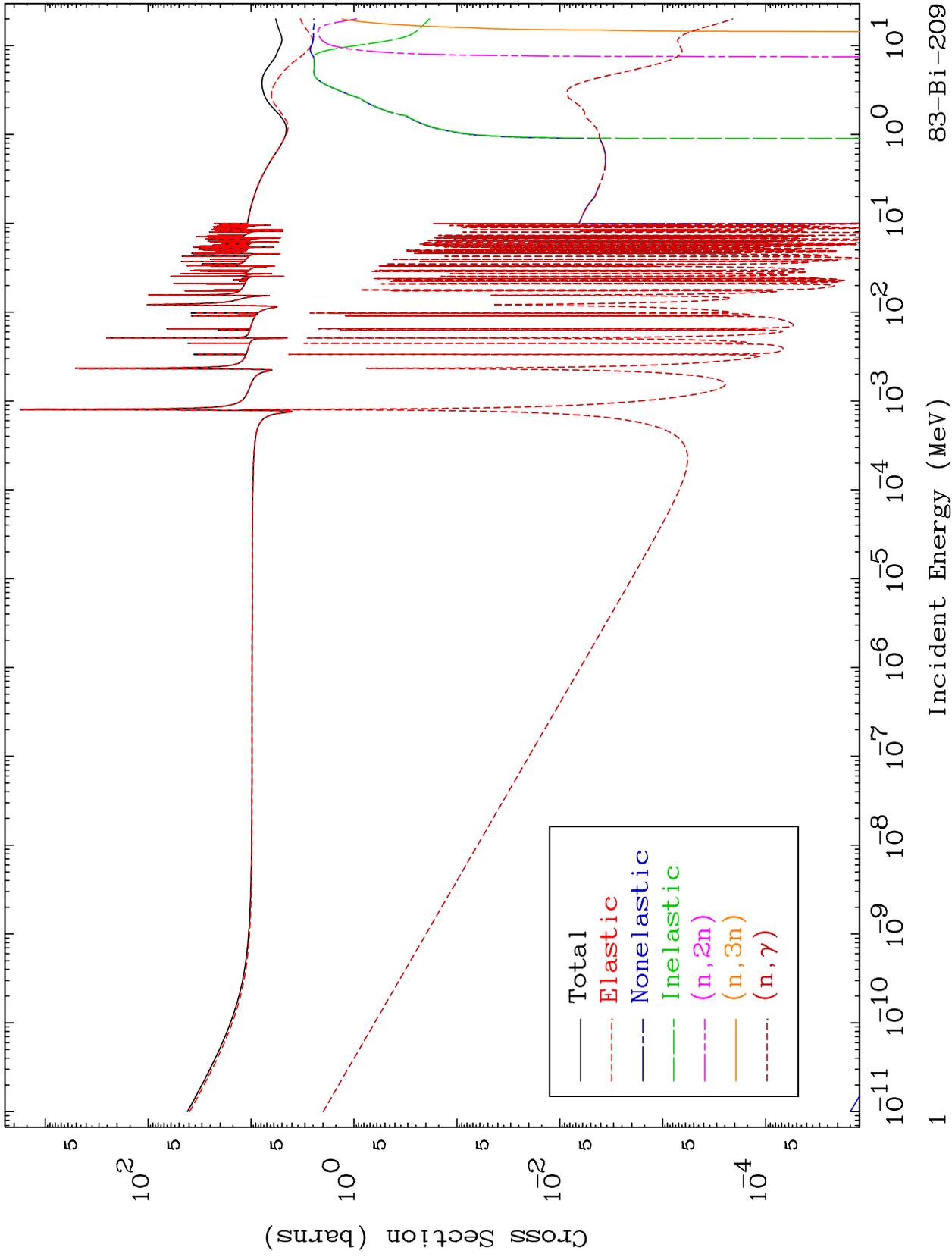
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8325

Neutron Major
293 Kelvin Cross Sections

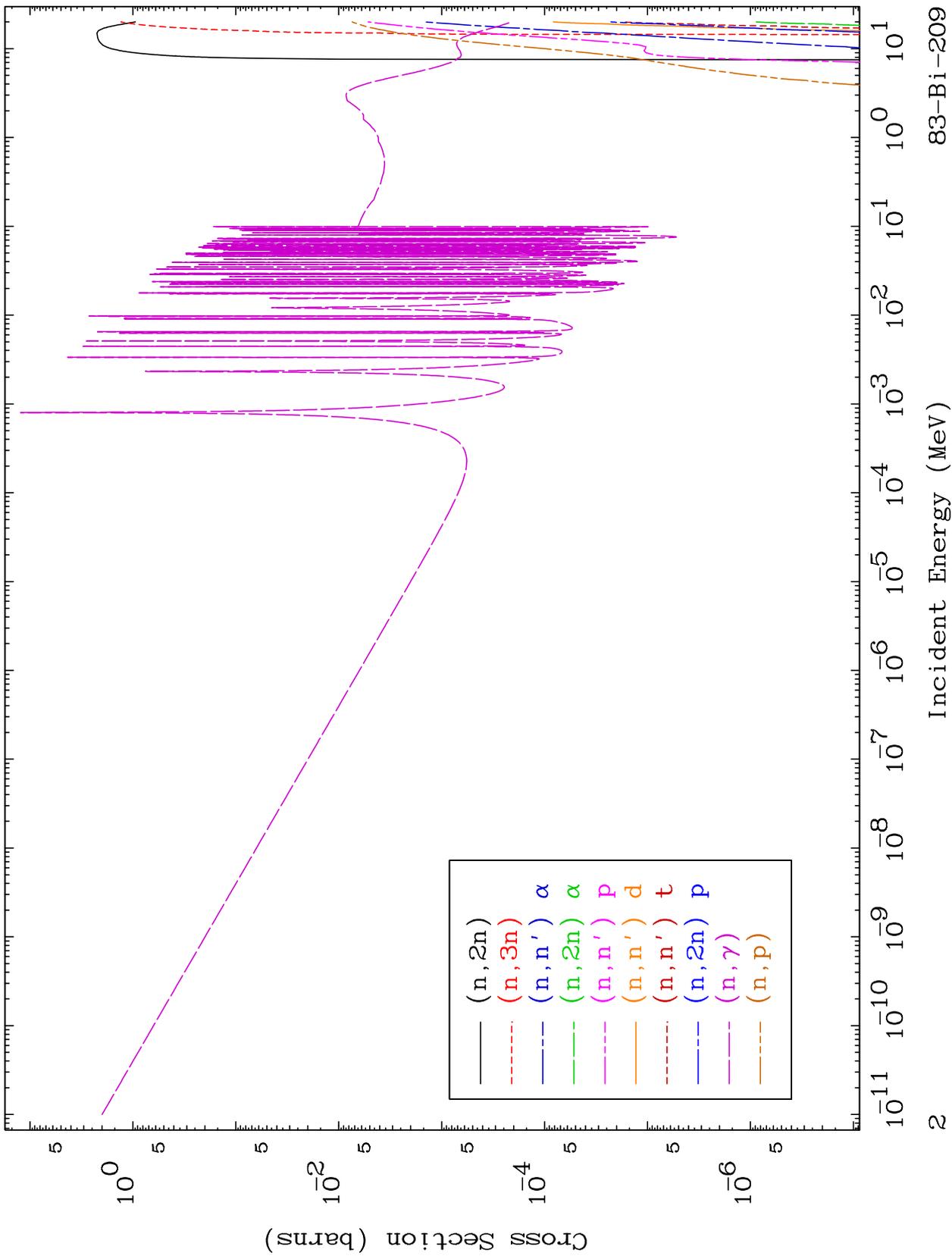
83-Bi-209



MAT 8325

Neutron Absorption
293 Kelvin Cross Sections

83-Bi-209



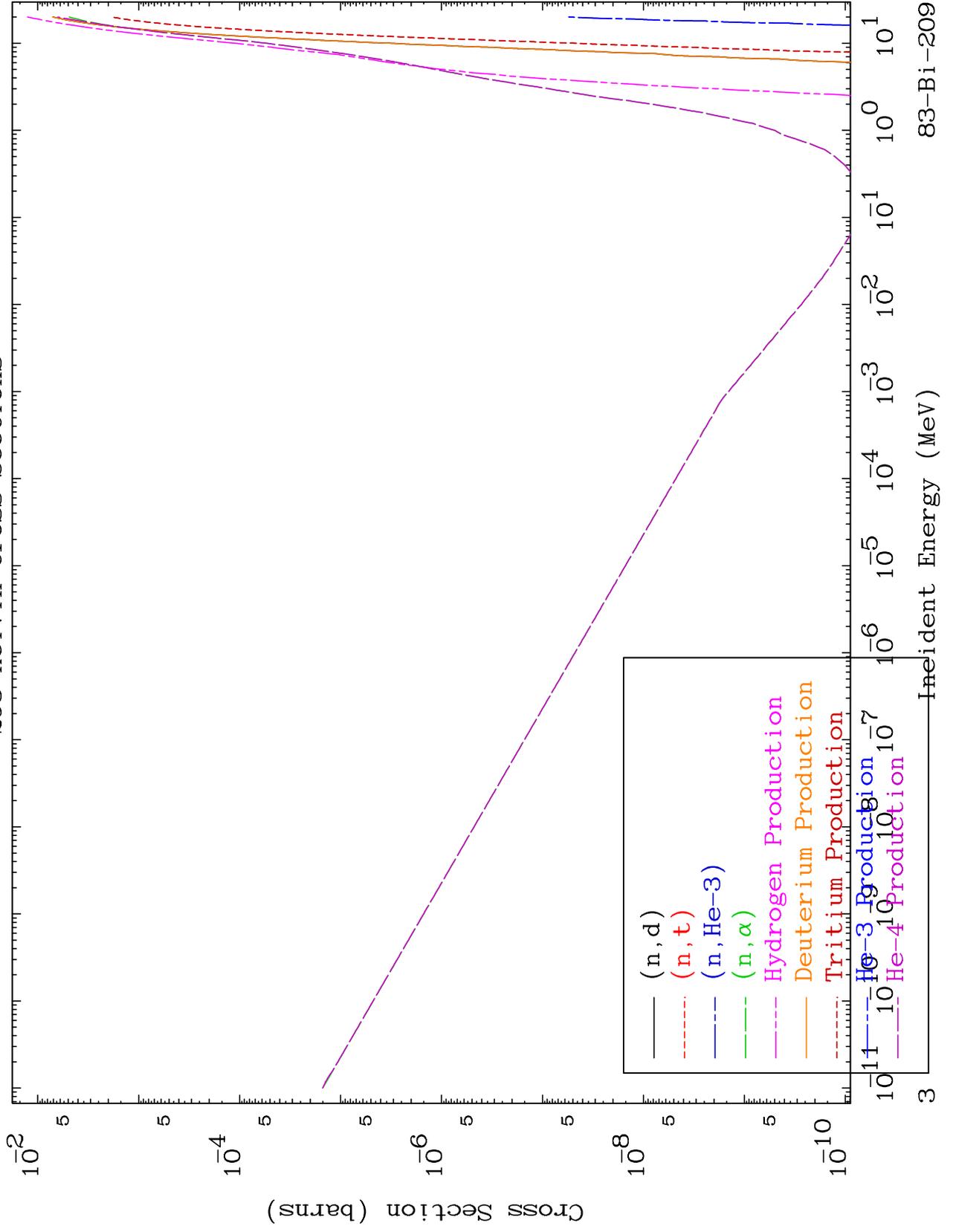
83-Bi-209

Incident Energy (MeV)

MAT 8325

Neutron Absorption
293 Kelvin Cross Sections

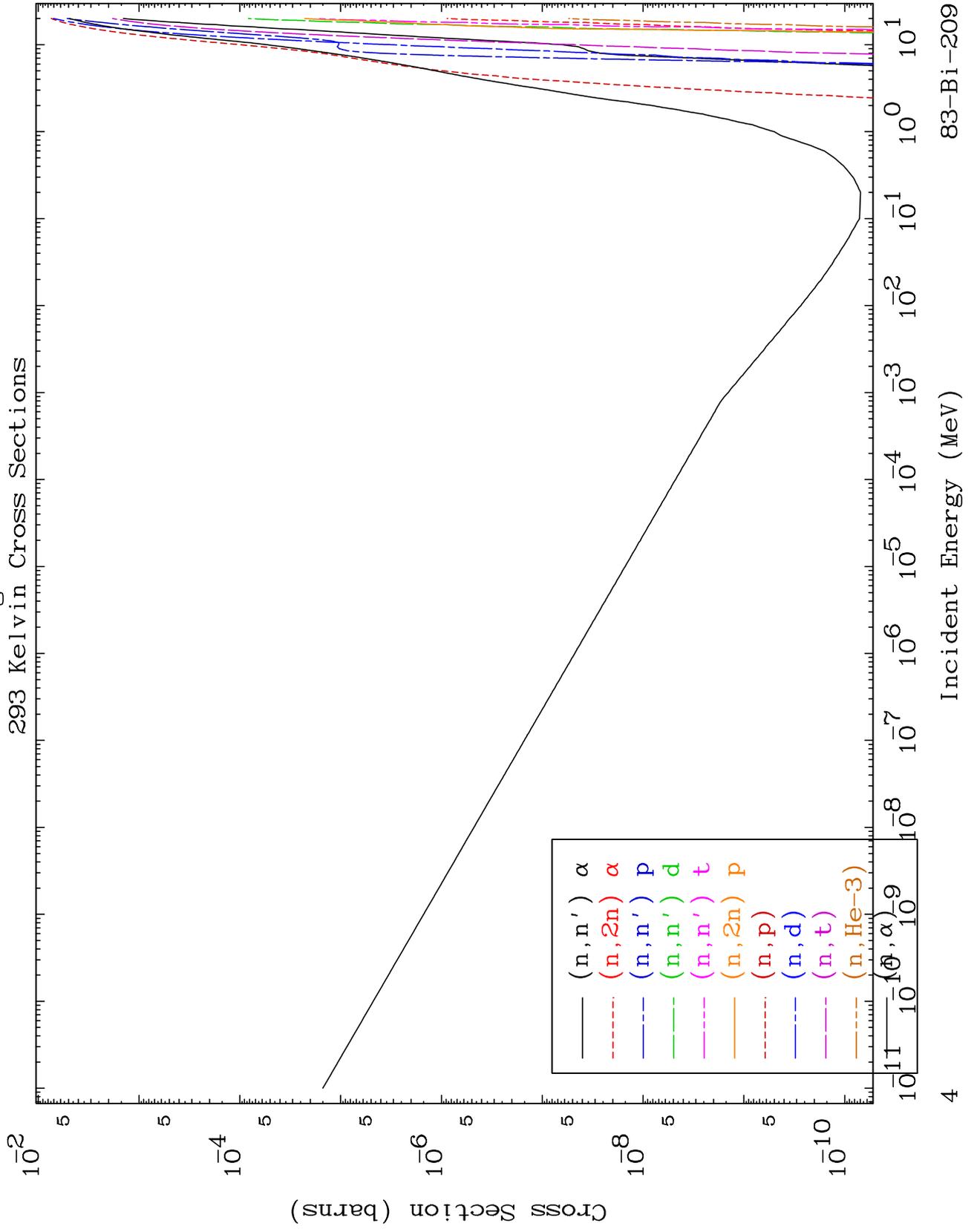
83-Bi-209



MAT 8325

Charged Particle
293 Kelvin Cross Sections

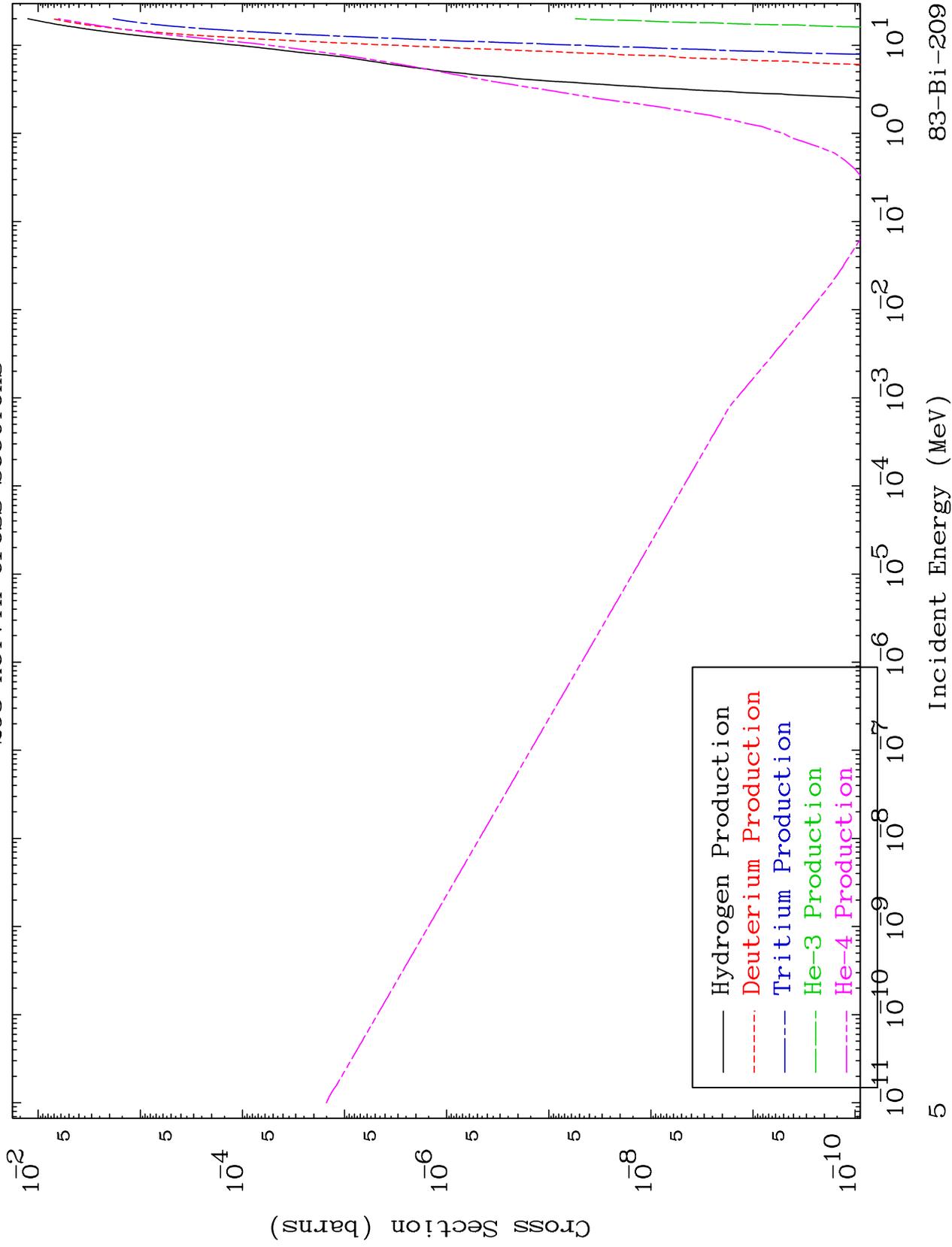
83-Bi-209



MAT 8325

Particle Production
293 Kelvin Cross Sections

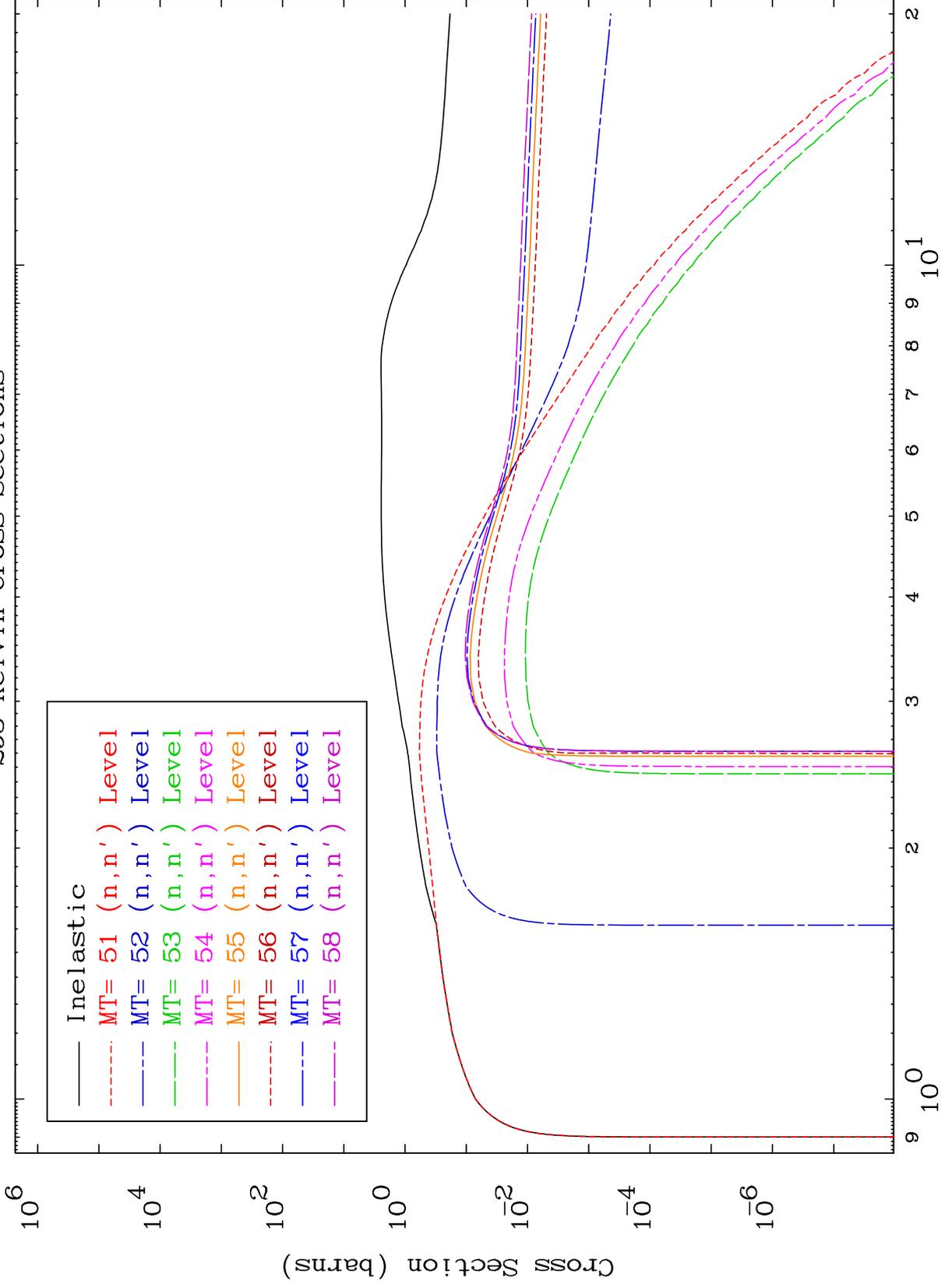
83-Bi-209



MAT 8325

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-209



Incident Energy (MeV)

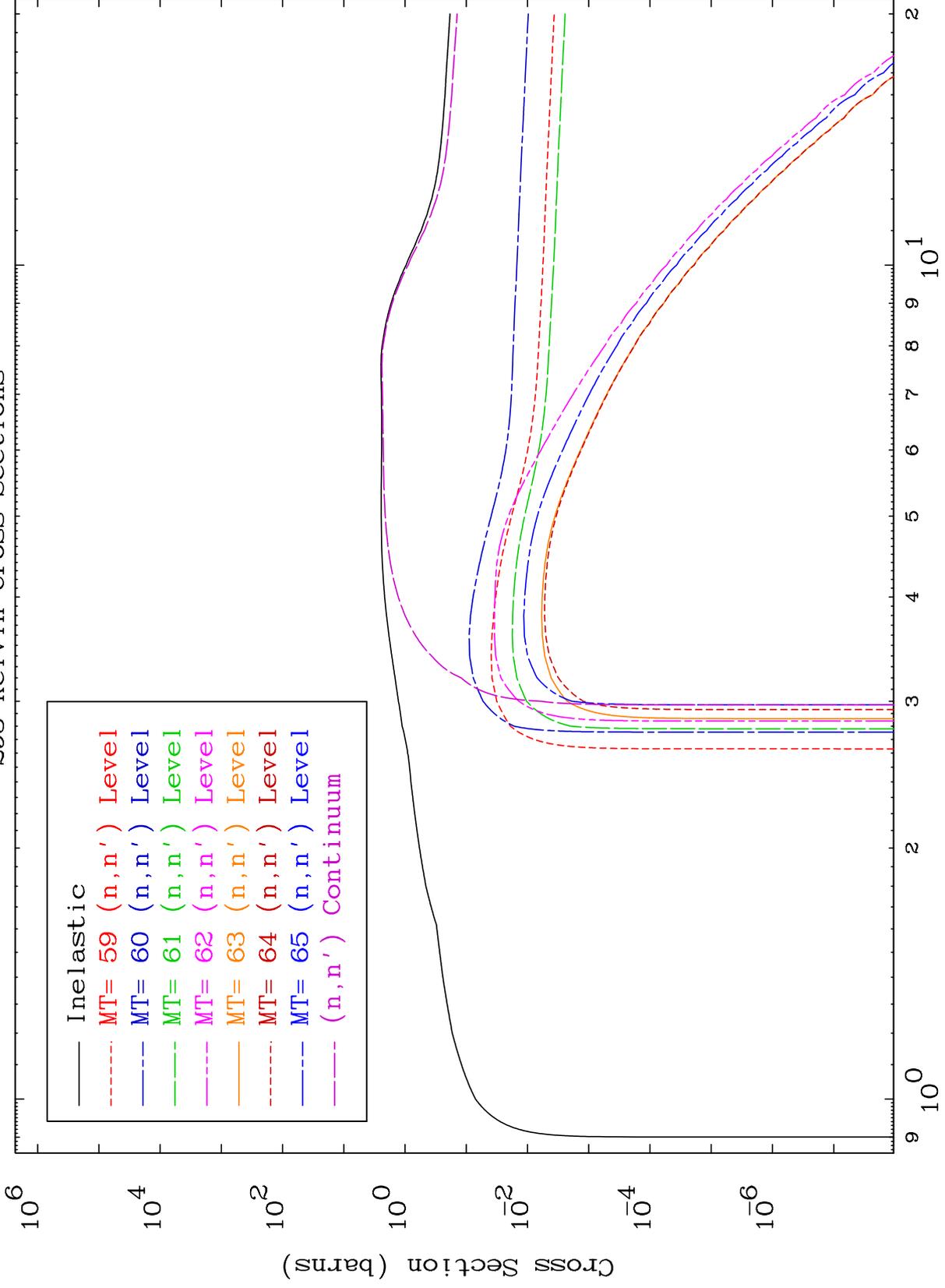
83-Bi-209

6

MAT 8325

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-209



Incident Energy (MeV)

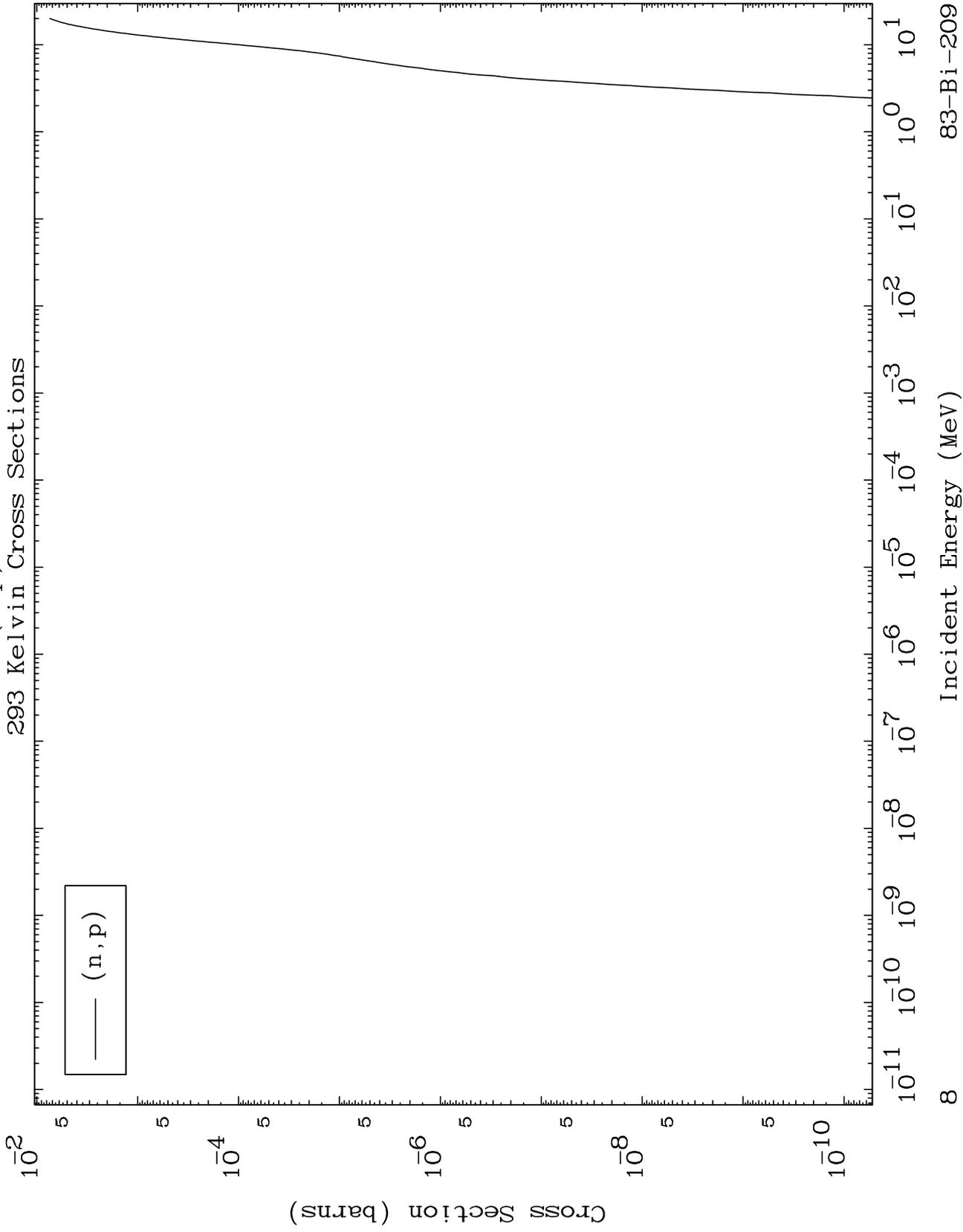
83-Bi-209

7

MAT 8325

(n,p) Levels
293 Kelvin Cross Sections

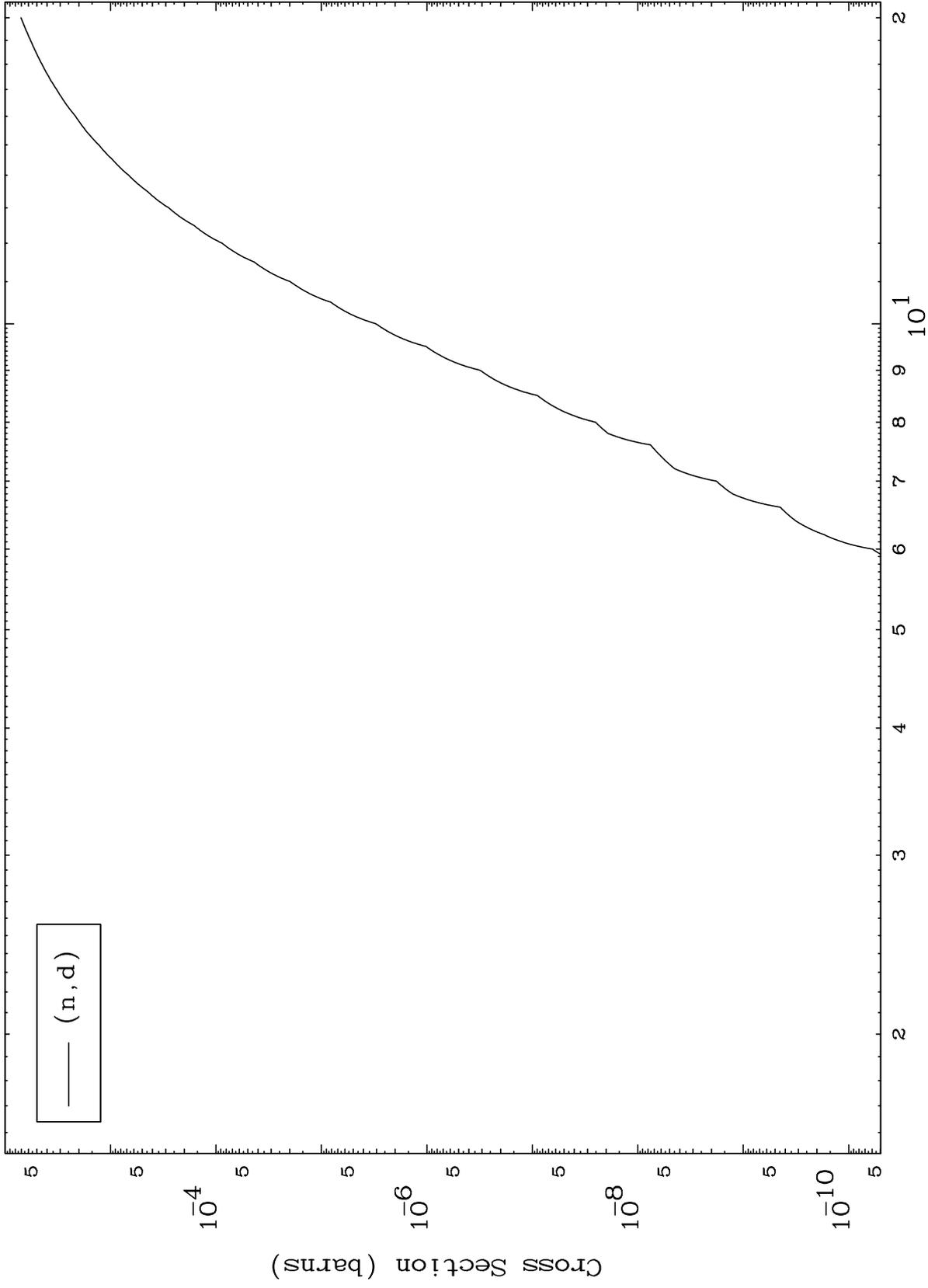
83-Bi-209



MAT 8325

(n,d) Levels
293 Kelvin Cross Sections

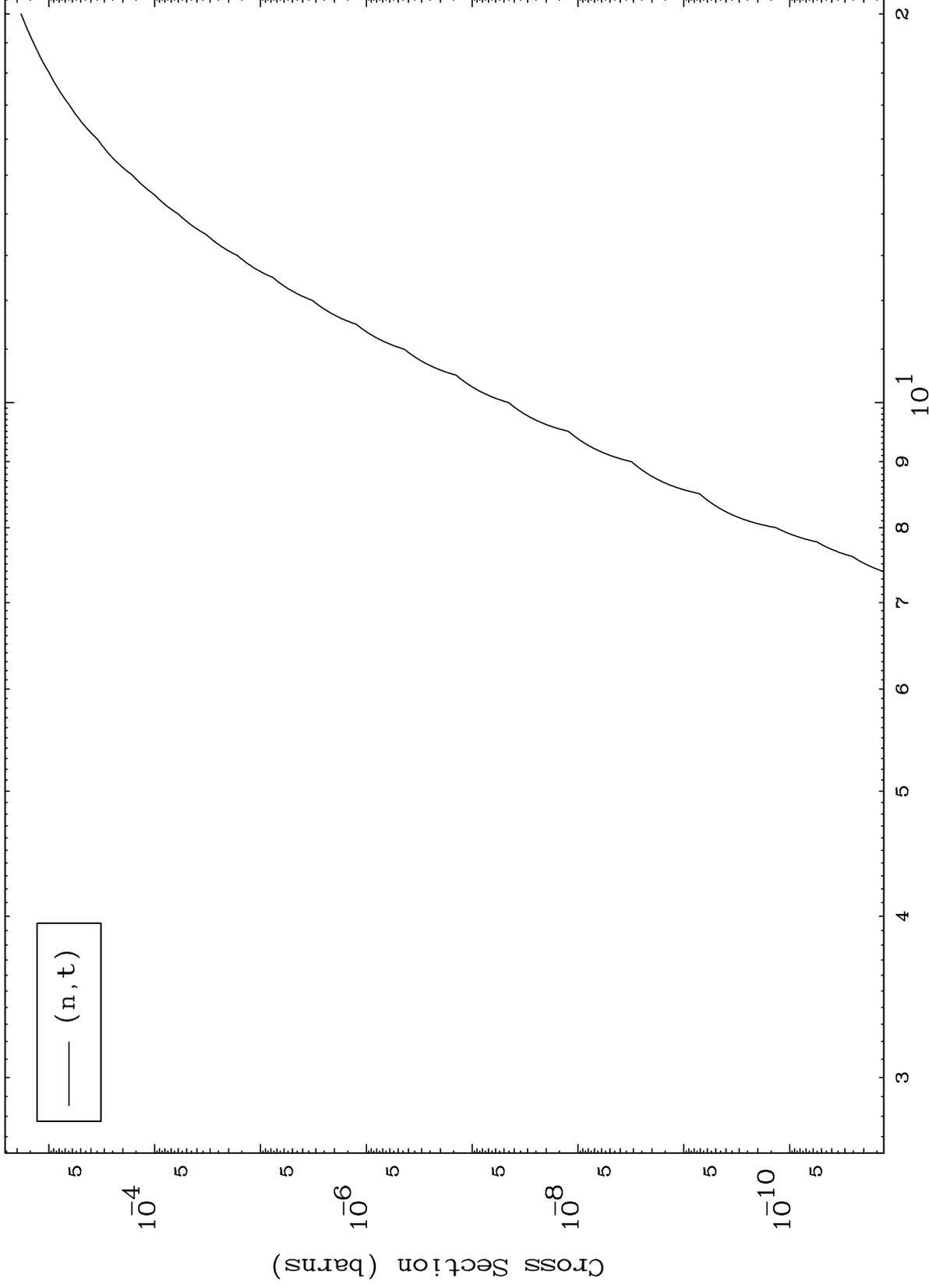
83-Bi-209



MAT 8325

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-209



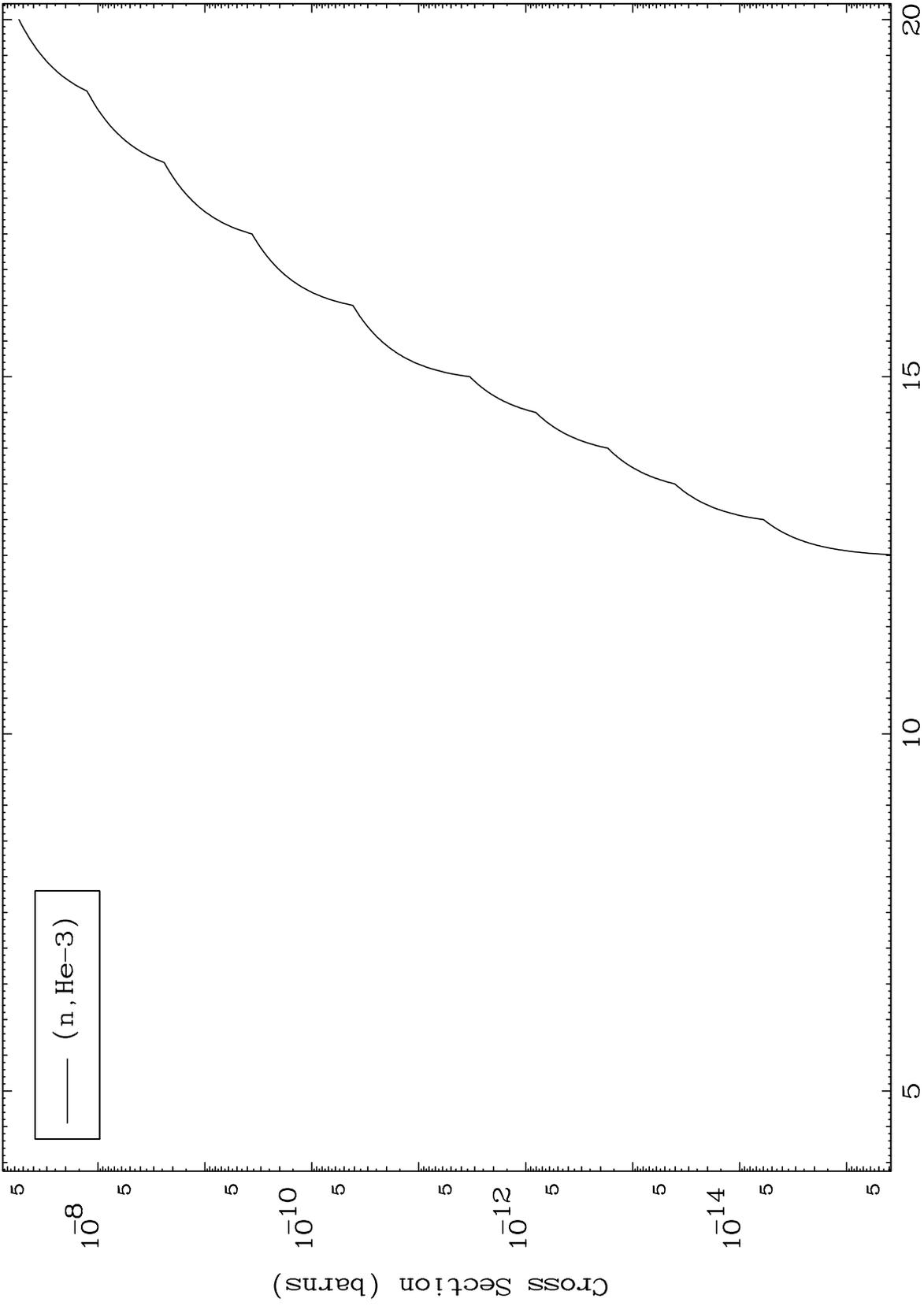
10

83-Bi-209

MAT 8325

(n,He3) Levels
293 Kelvin Cross Sections

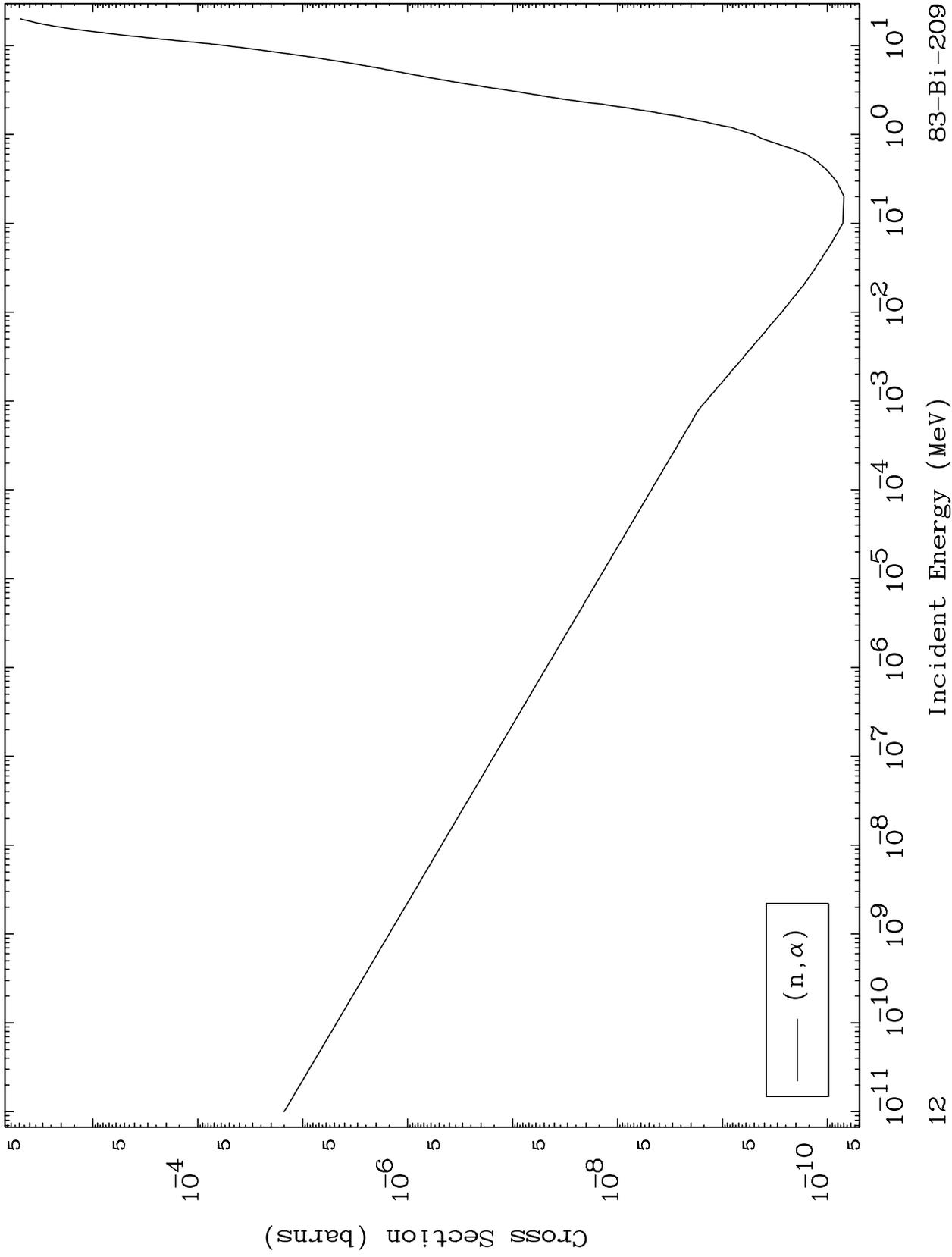
83-Bi-209



MAT 8325

(n,α) Levels
293 Kelvin Cross Sections

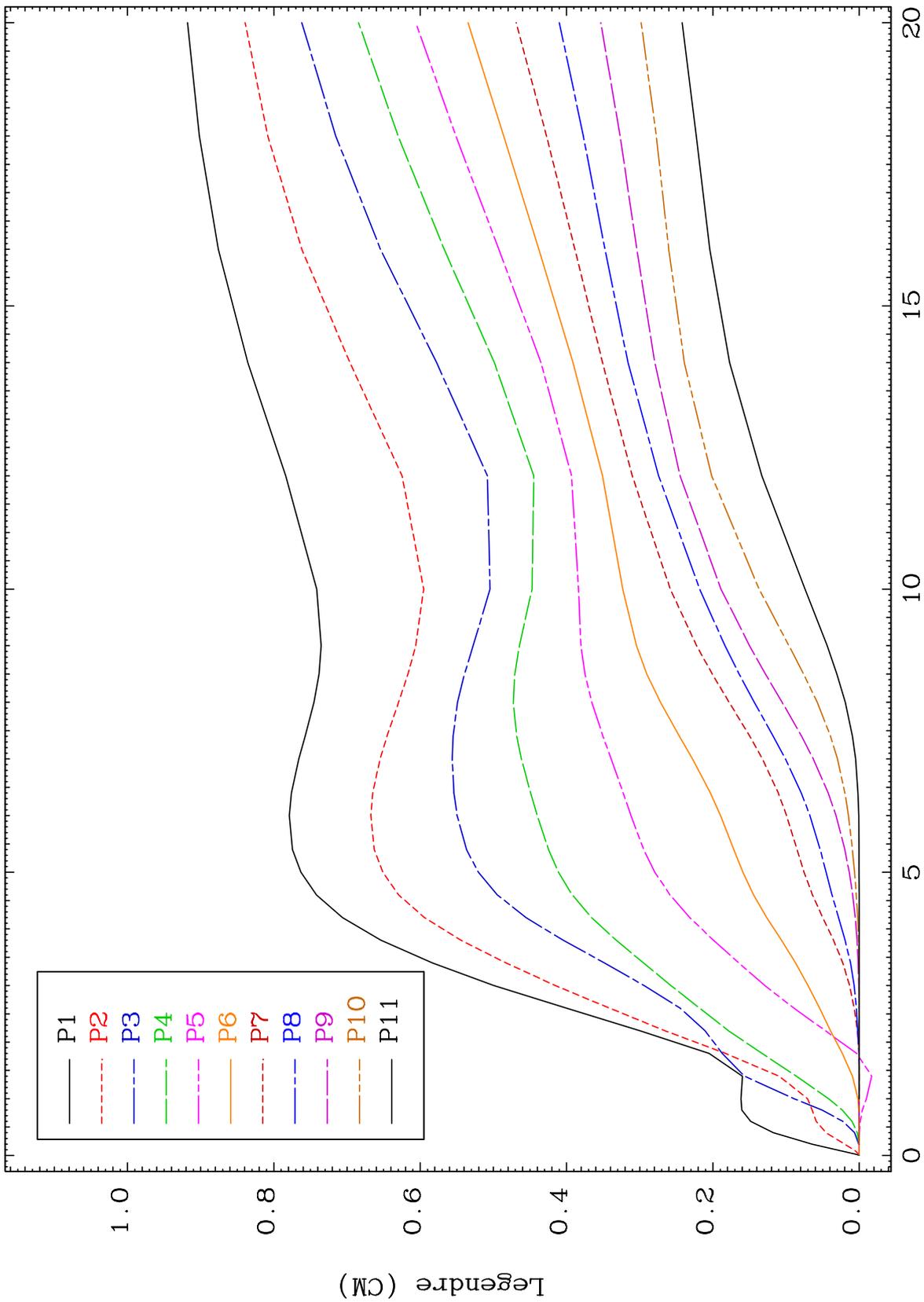
83-Bi-209



MAT 8325

Elastic Legendre Coefficients

83-Bi-209



13

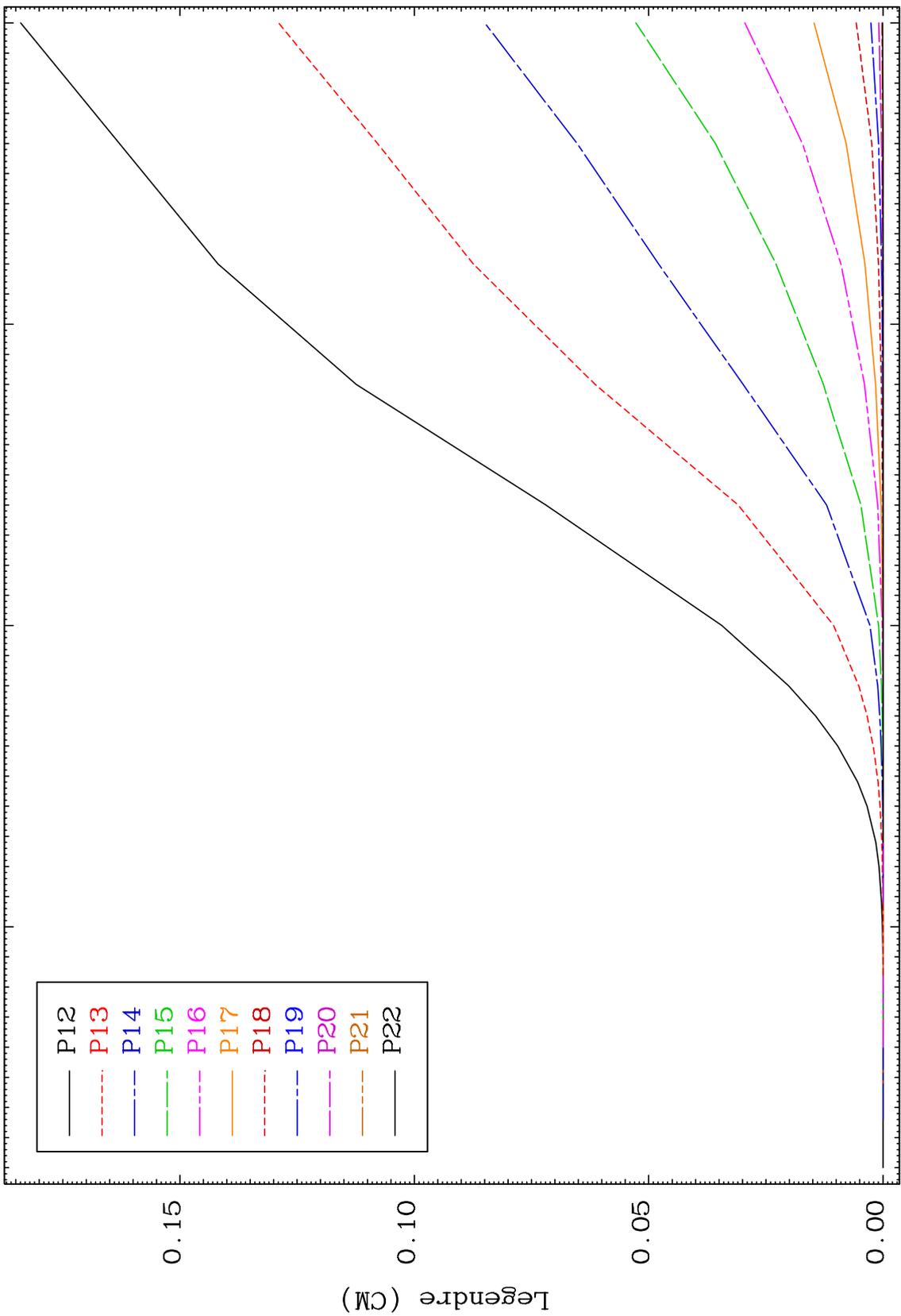
Incident Energy (MeV)

83-Bi-209

MAT 8325

Elastic Legendre Coefficients

83-Bi-209



14

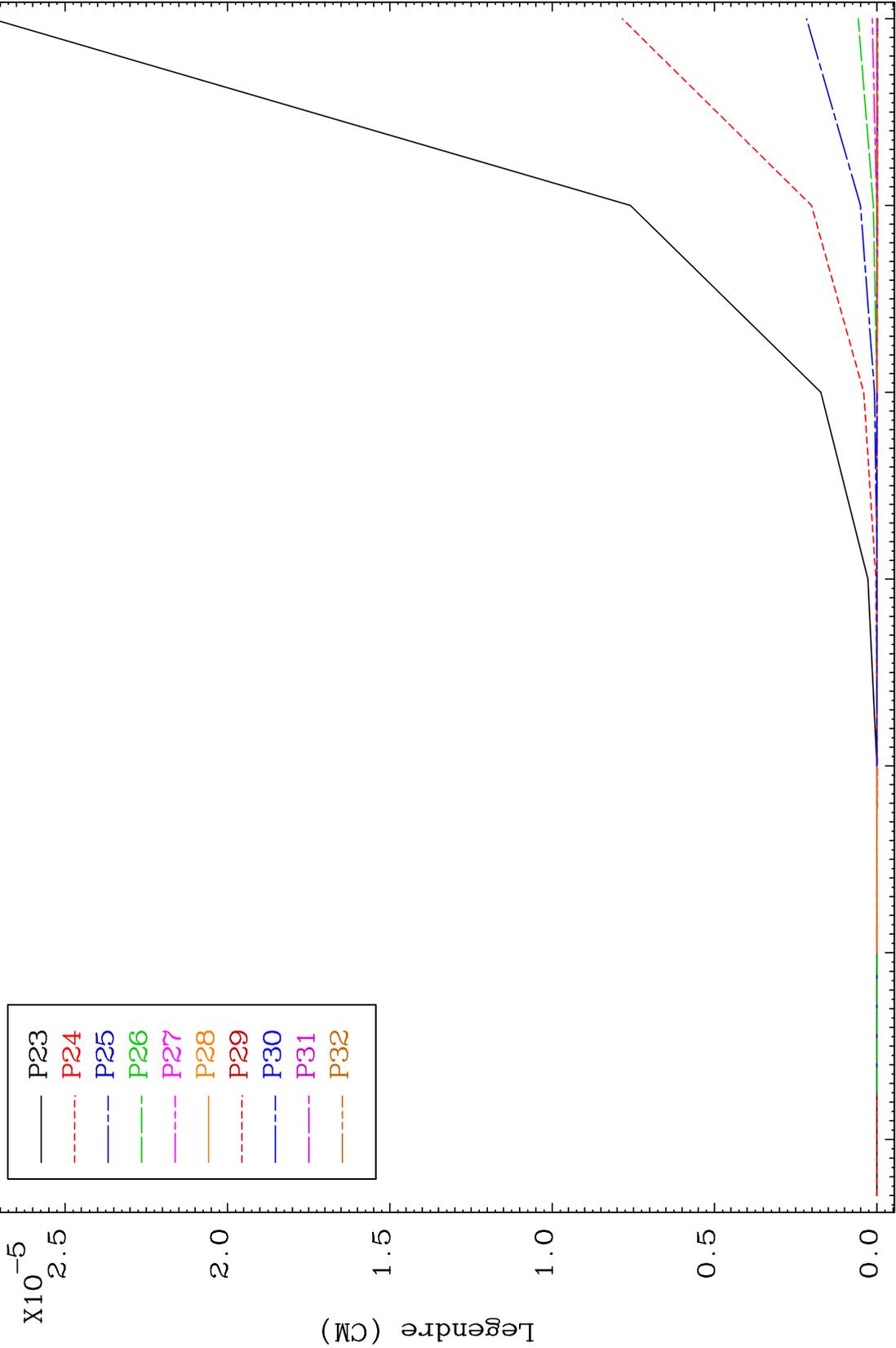
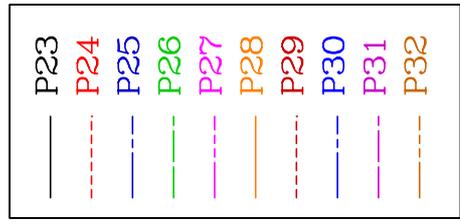
Incident Energy (MeV)

83-Bi-209

MAT 8325

Elastic Legendre Coefficients

83-Bi-209



15

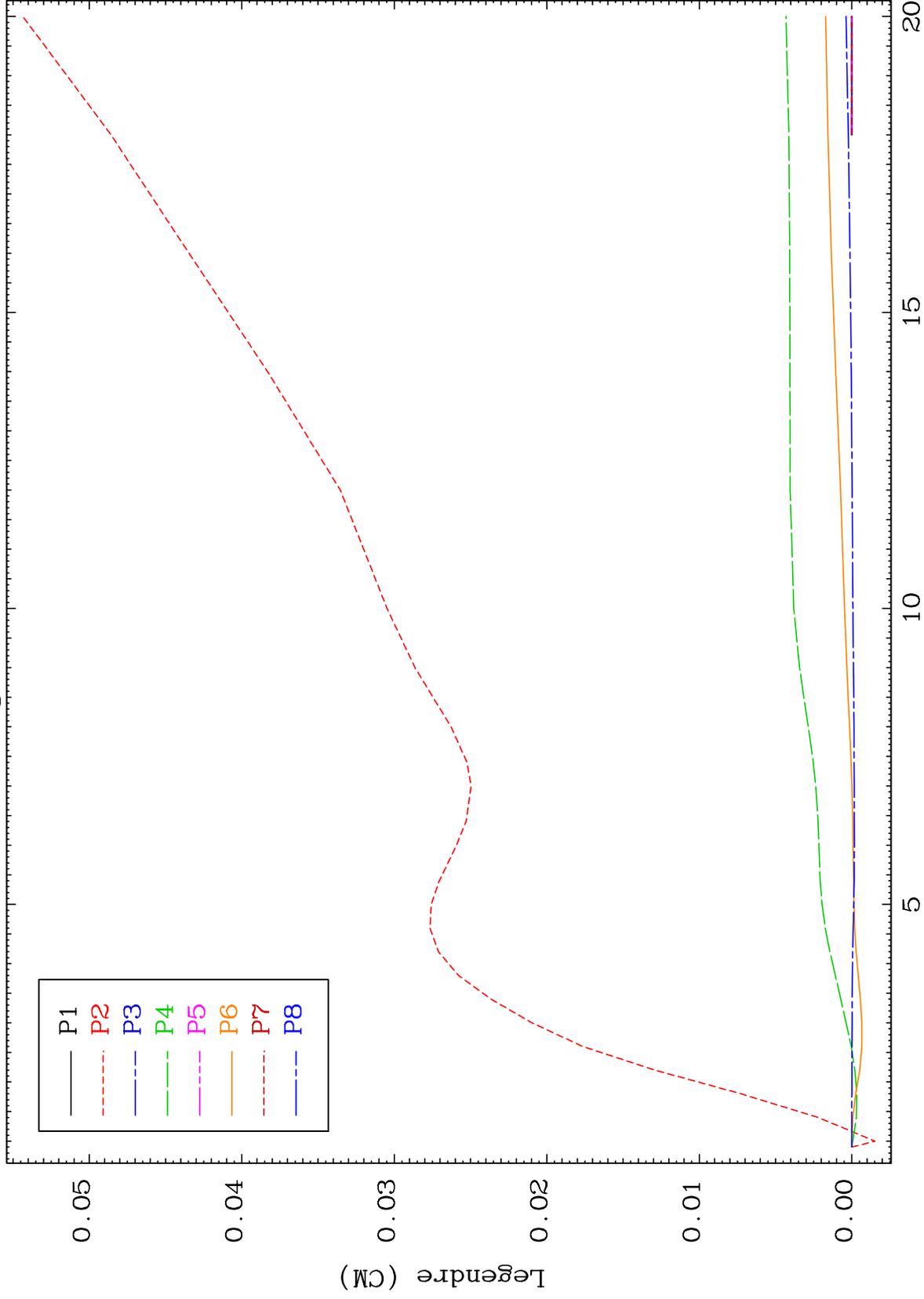
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

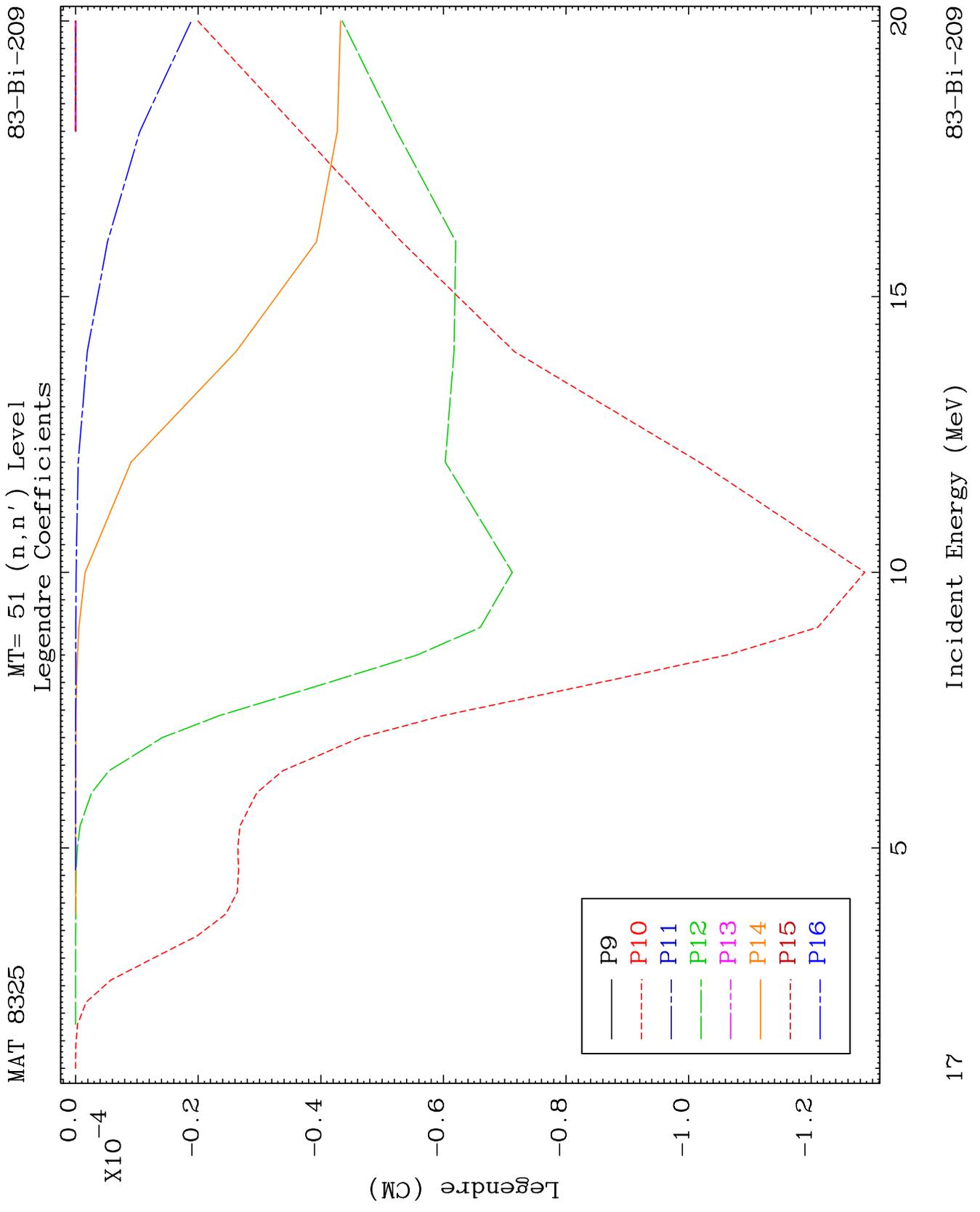
83-Bi-209

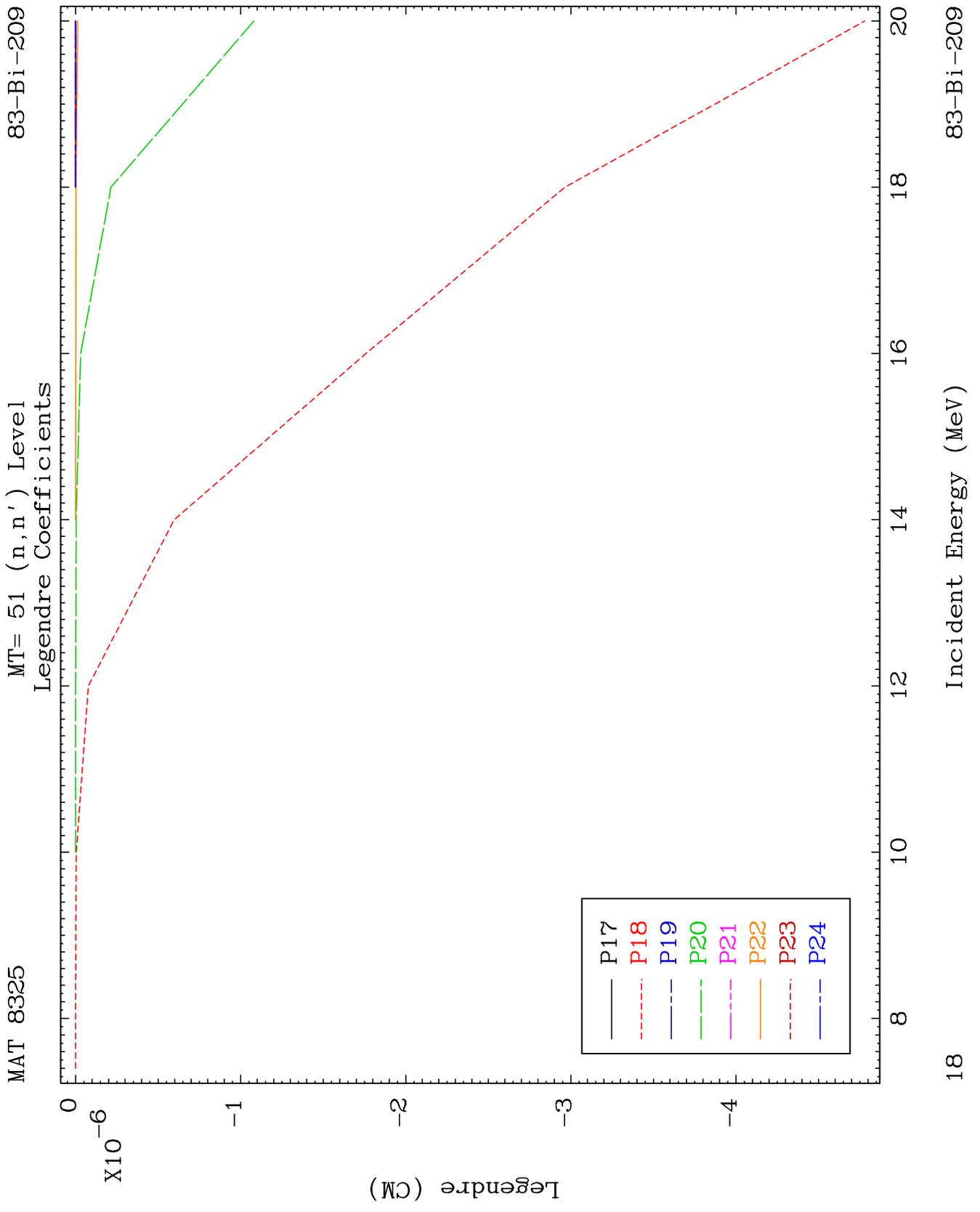


16

Incident Energy (MeV)

83-Bi-209

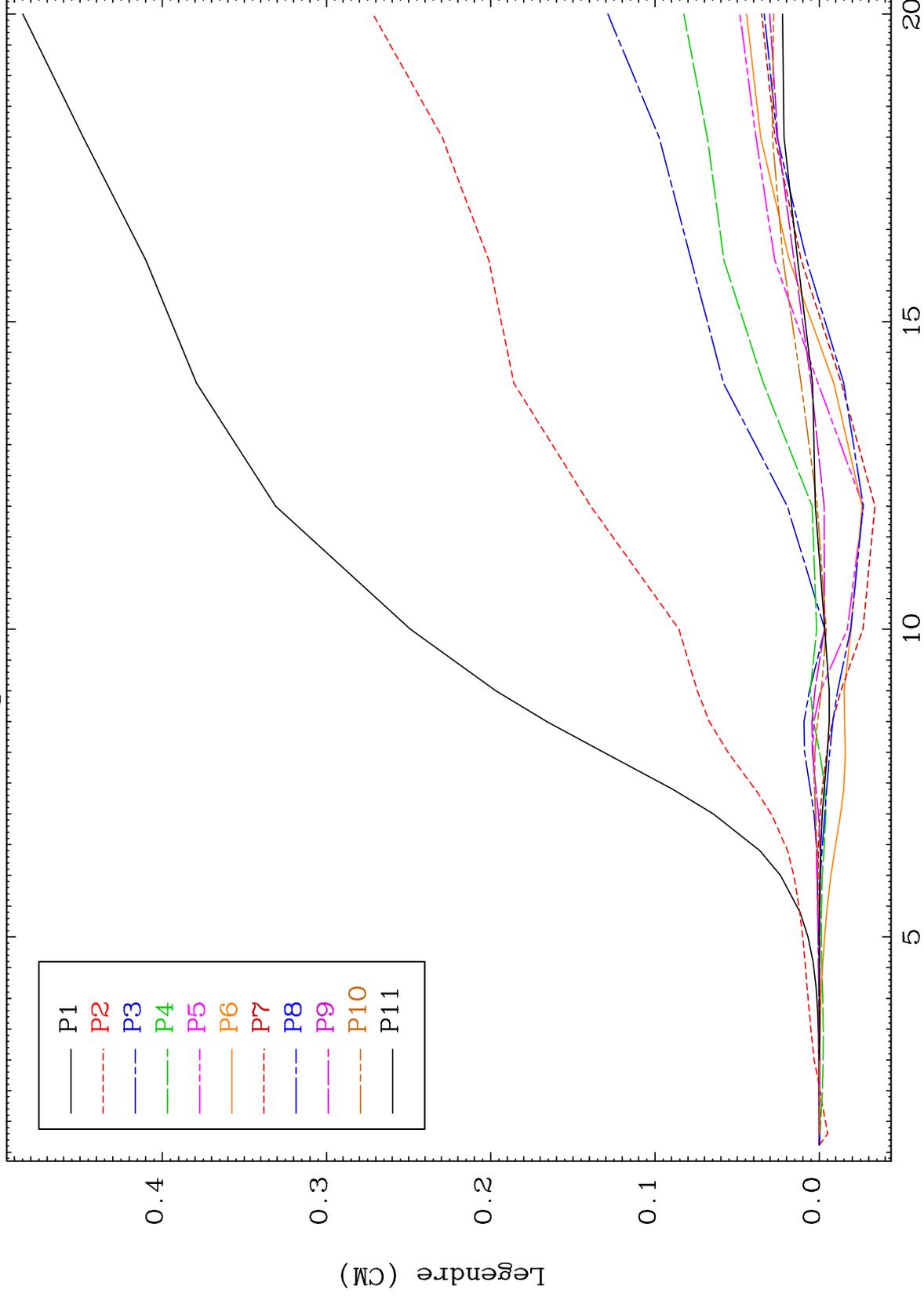




MAT 8325

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

83-Bi-209



19

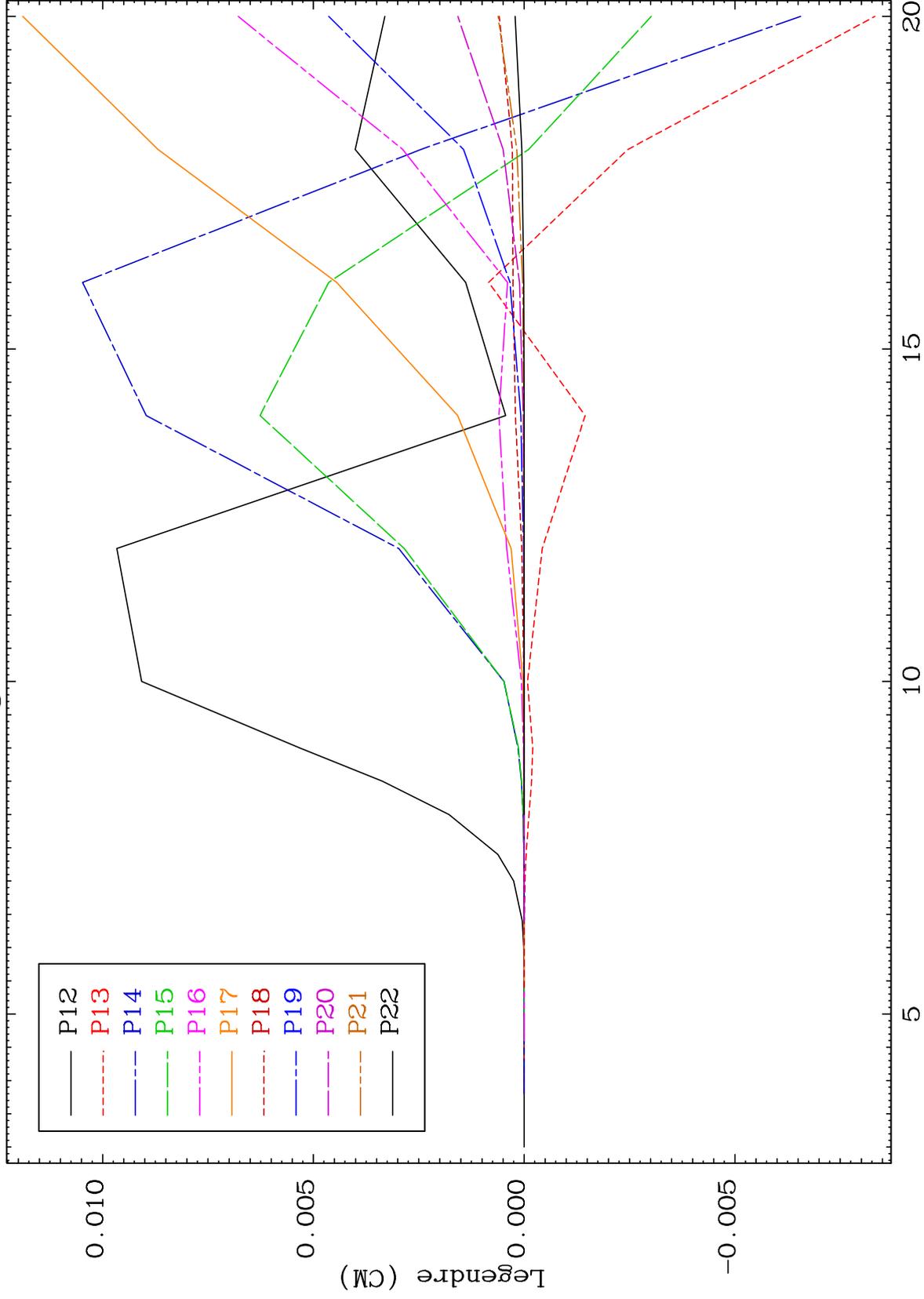
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

83-Bi-209



20

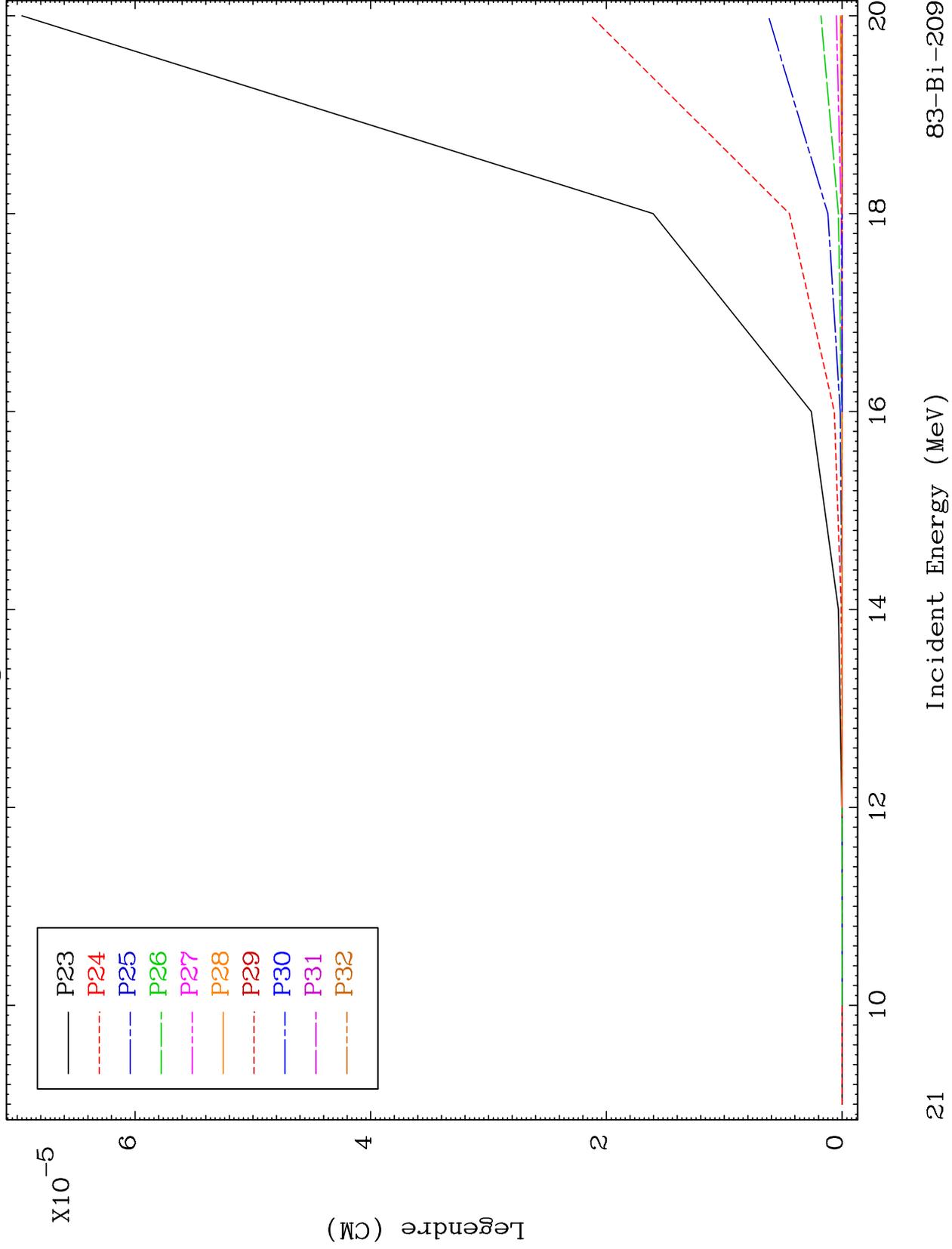
Incident Energy (MeV)

83-Bi-209

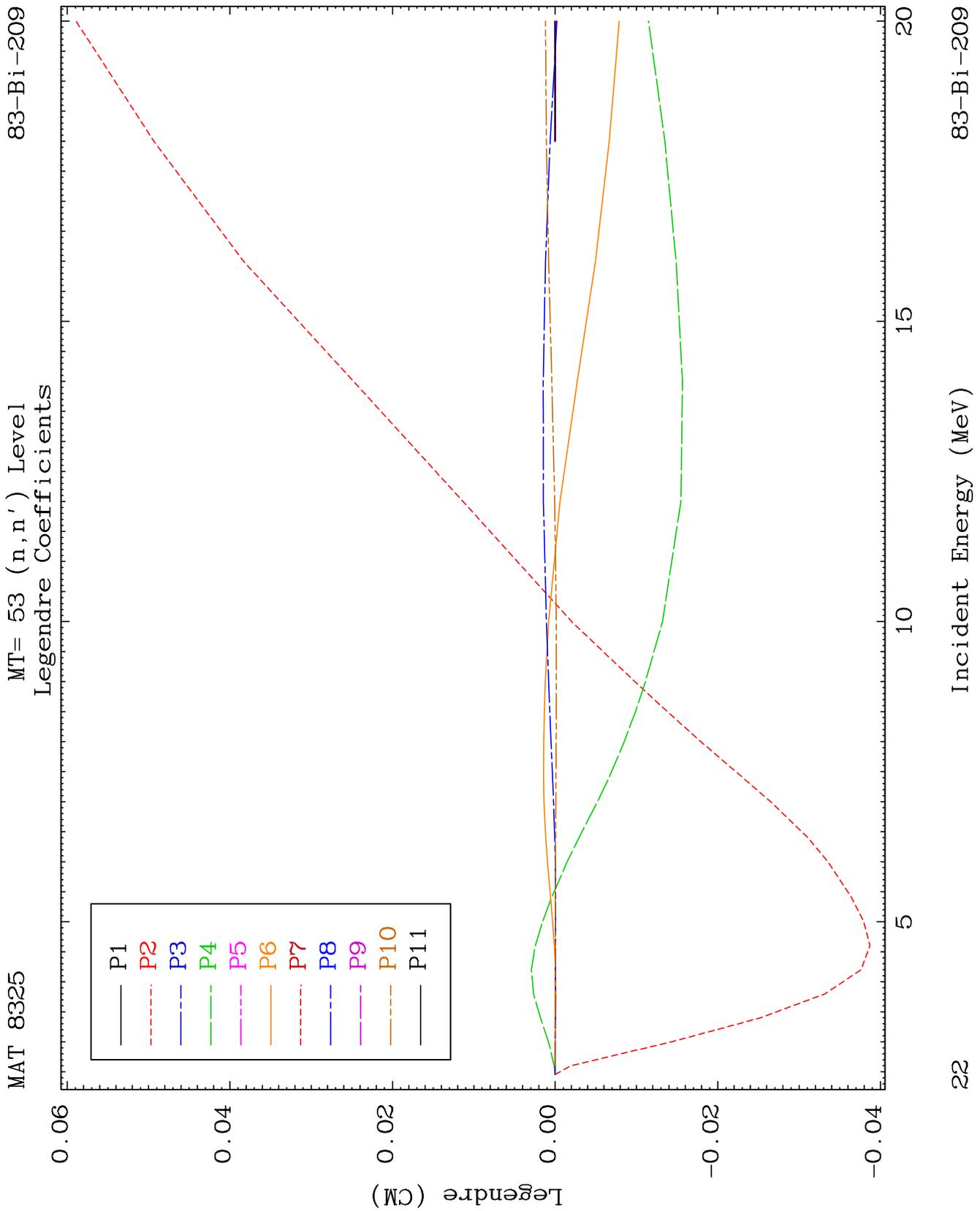
MAT 8325

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

83-Bi-209



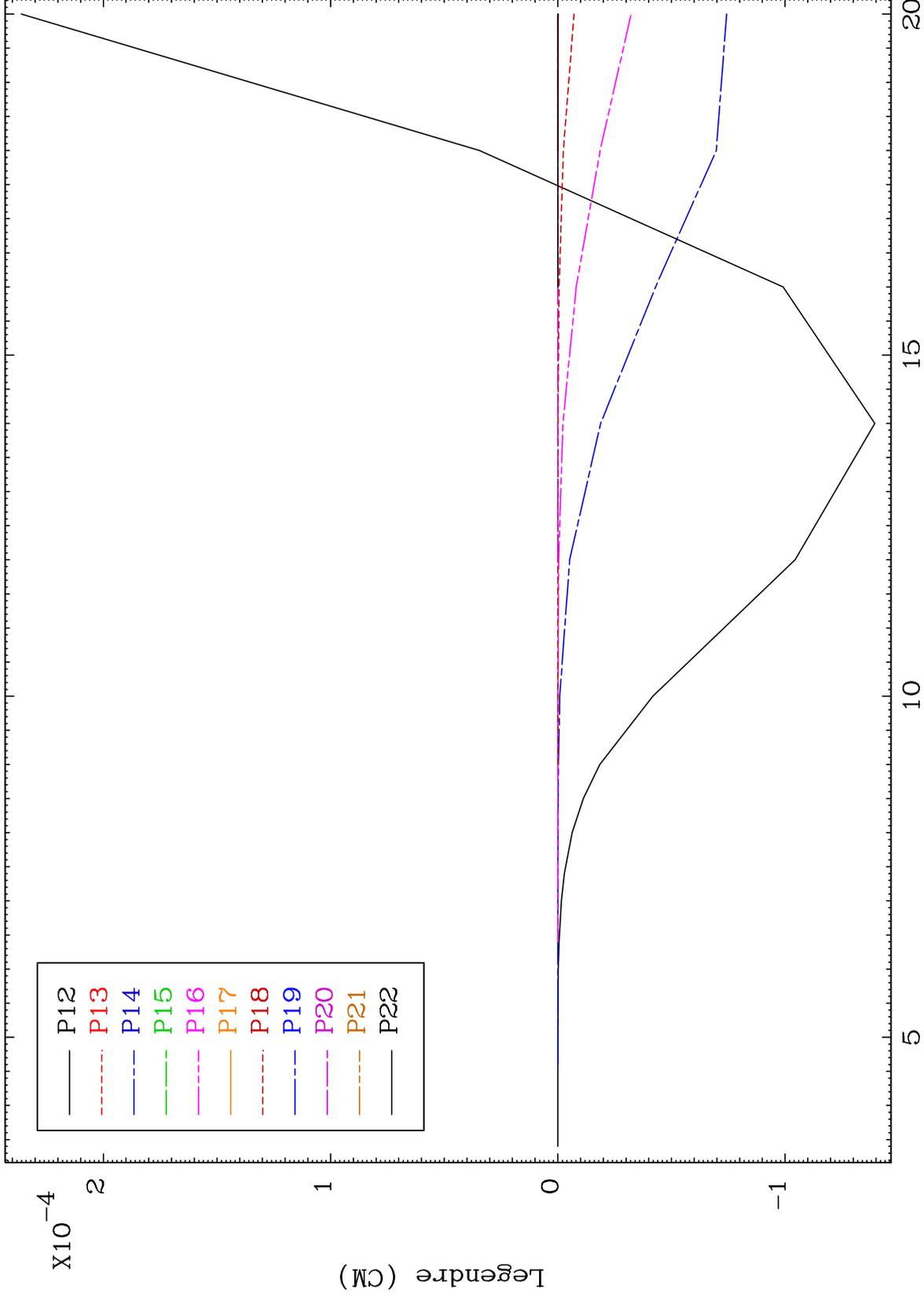
21



MAT 8325

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

83-Bi-209



23

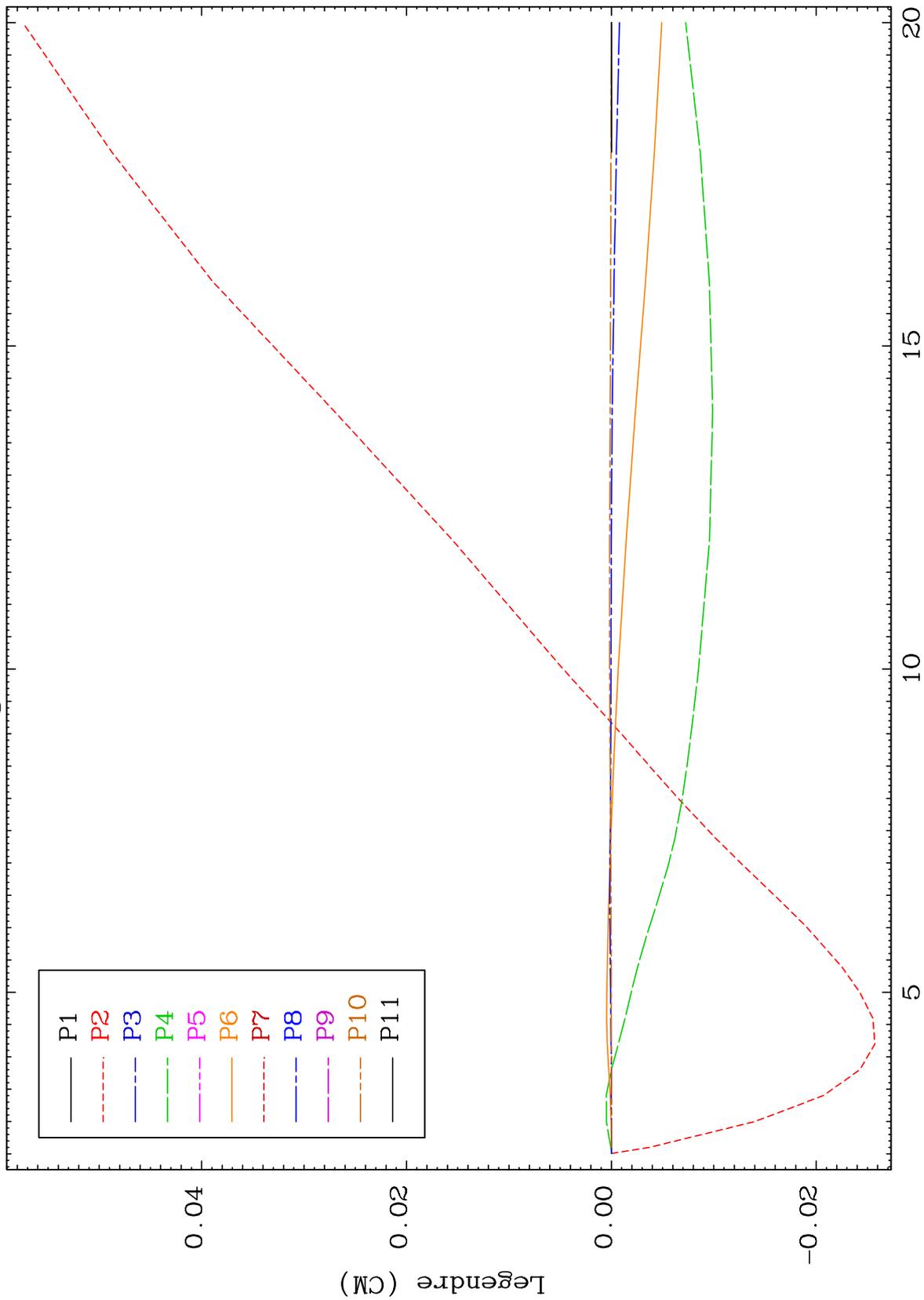
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

83-Bi-209



24

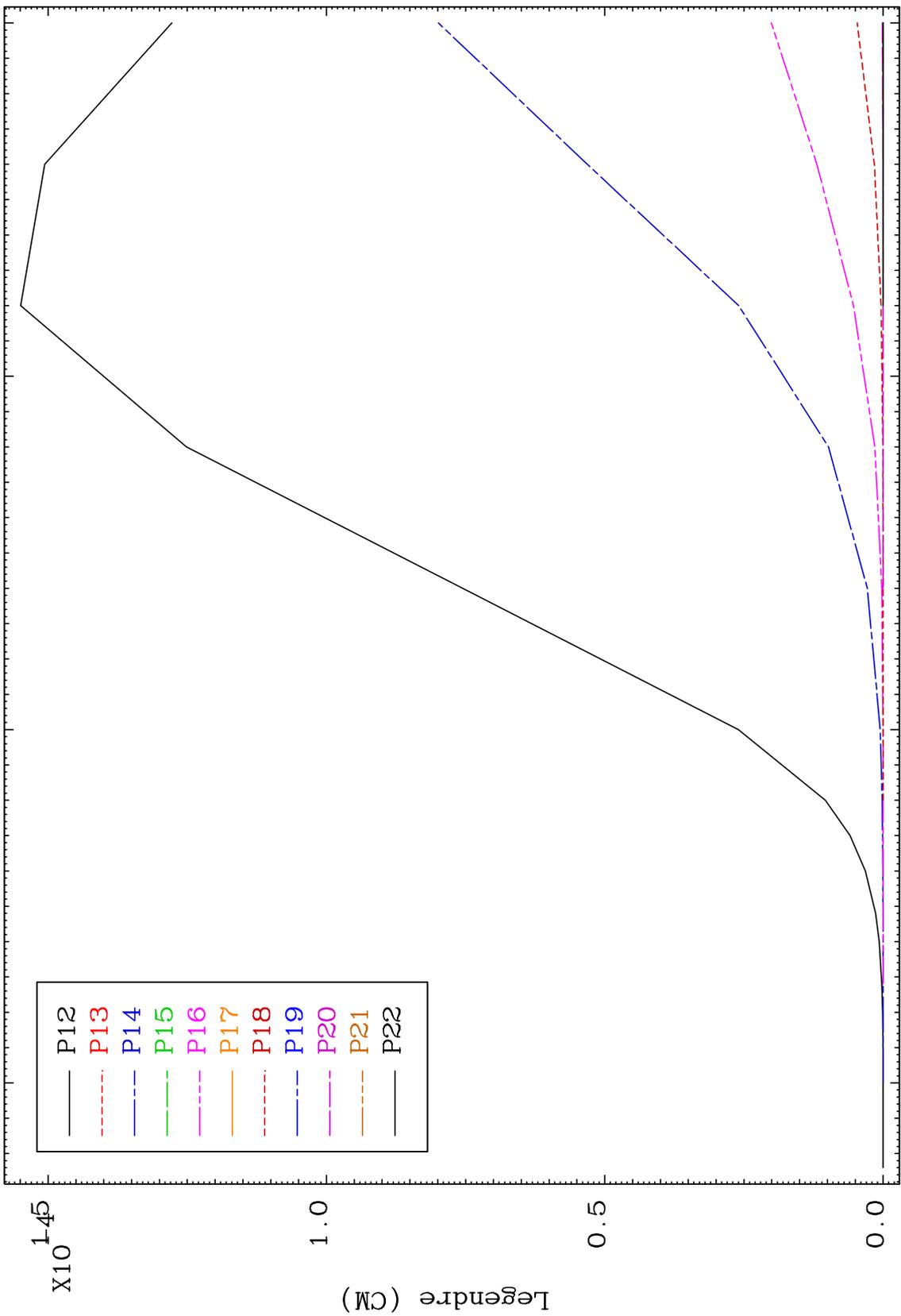
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

83-Bi-209



25

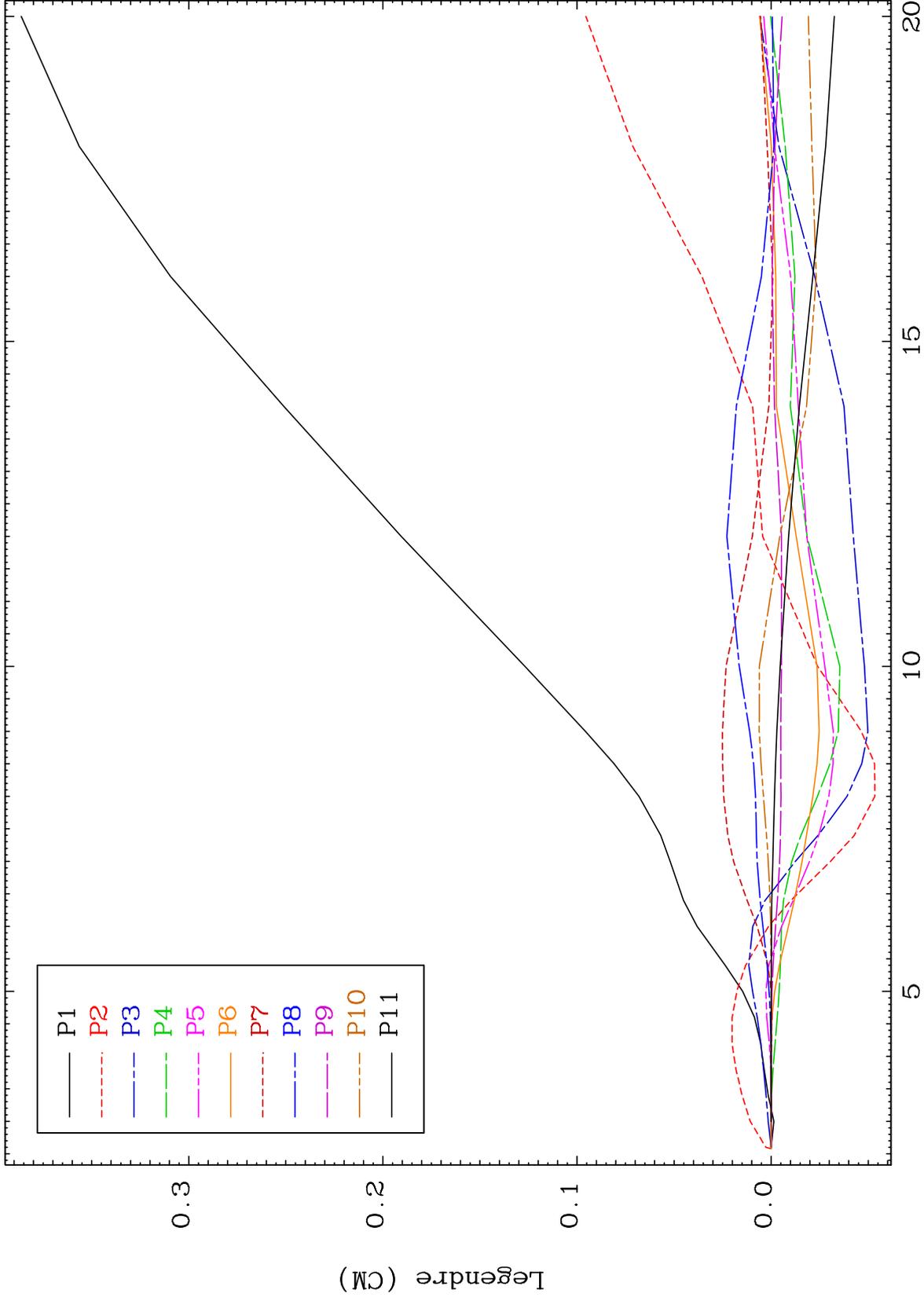
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

83-Bi-209



26

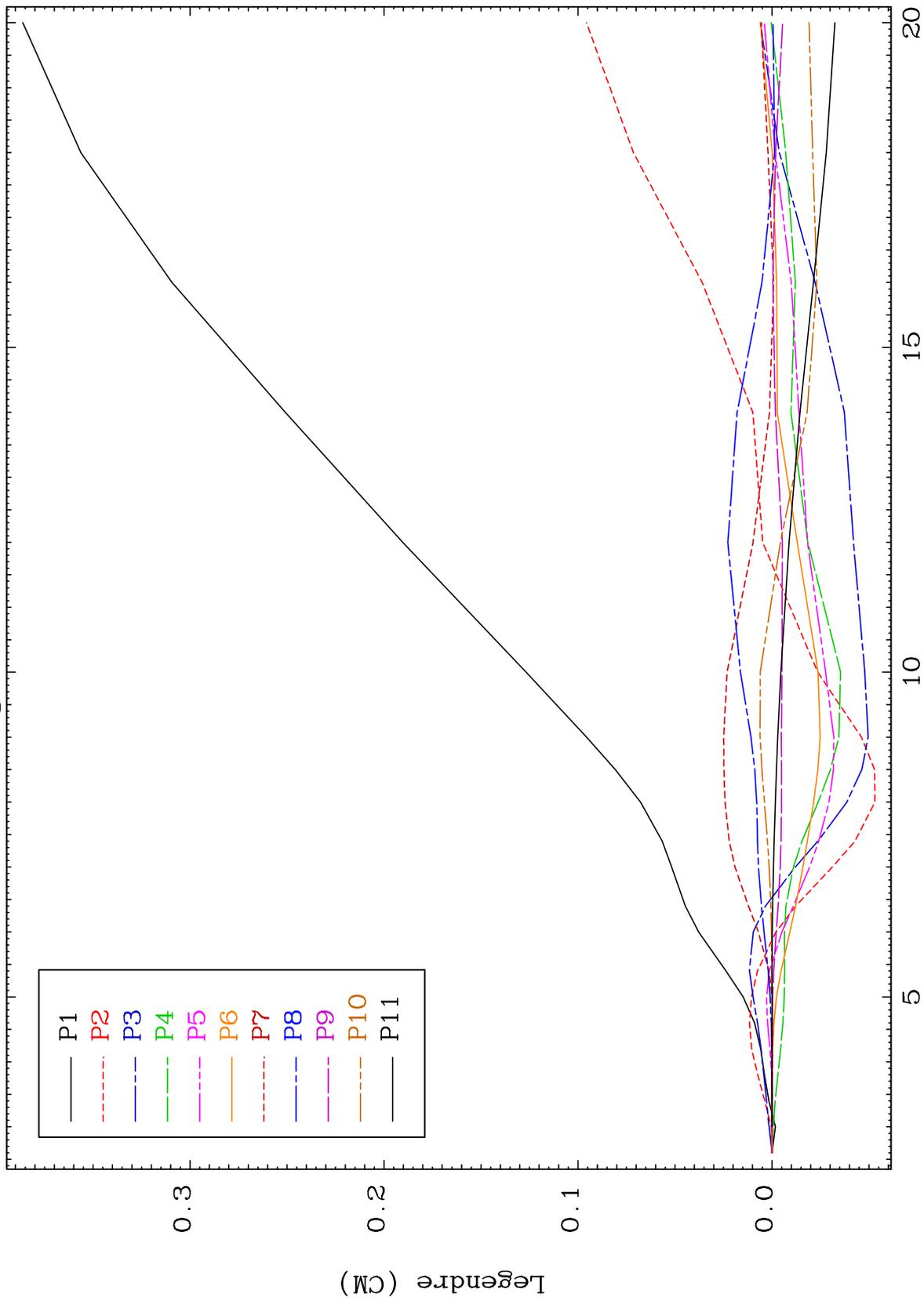
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

83-Bi-209



29

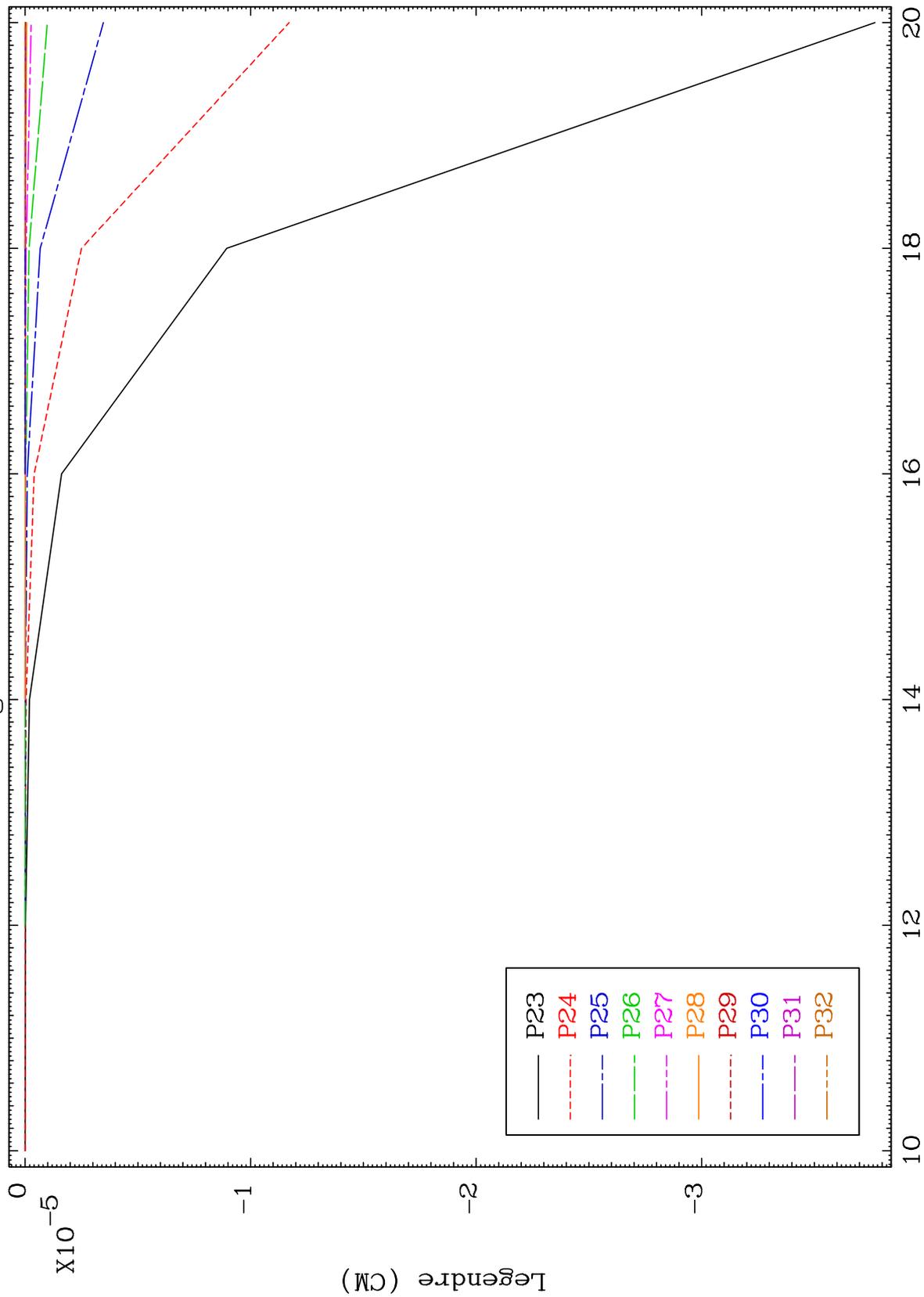
Incident Energy (MeV)

83-Bi-209

MAT 8325

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

83-Bi-209



31

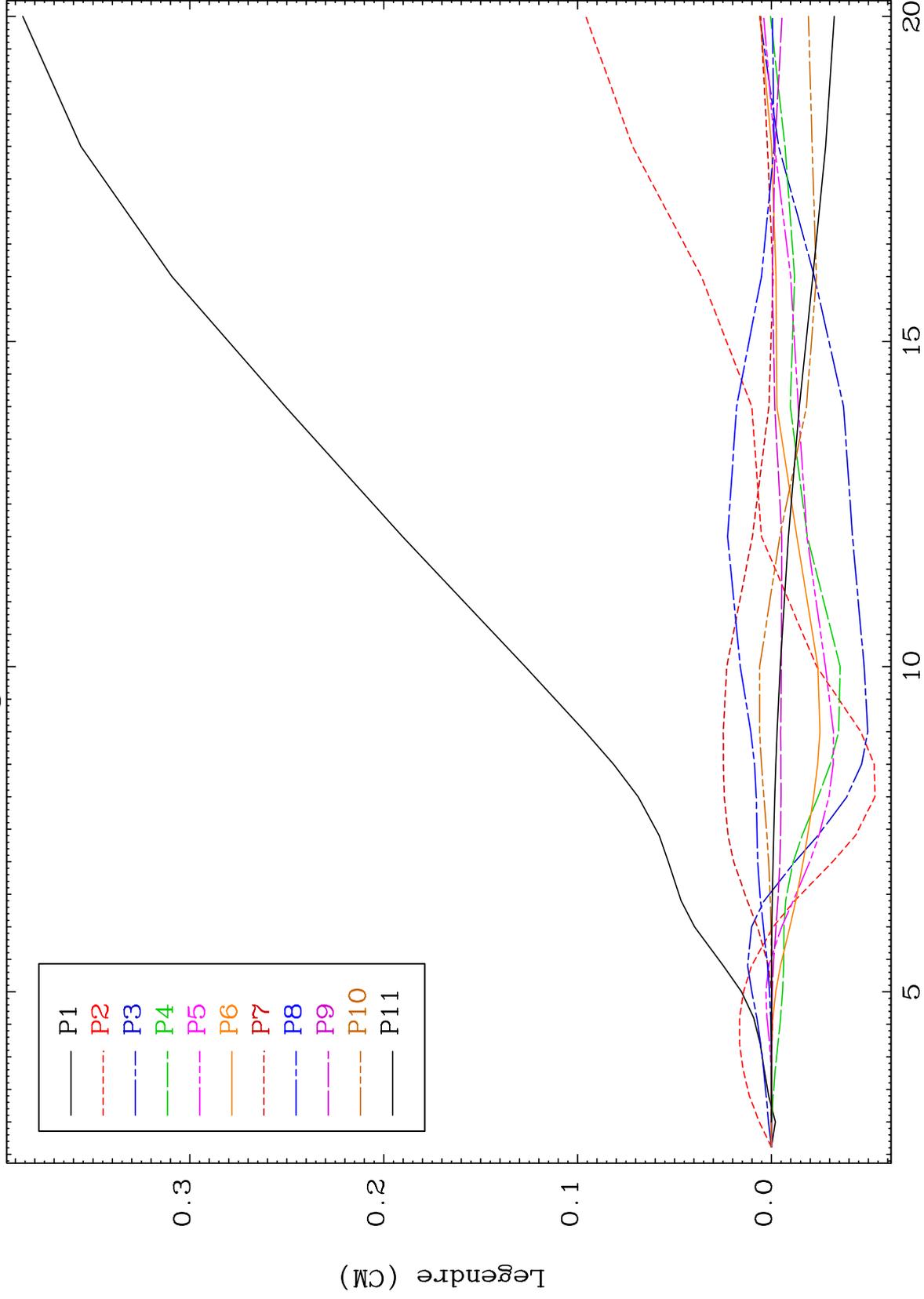
Incident Energy (MeV)

83-Bi-209

MAT 8325

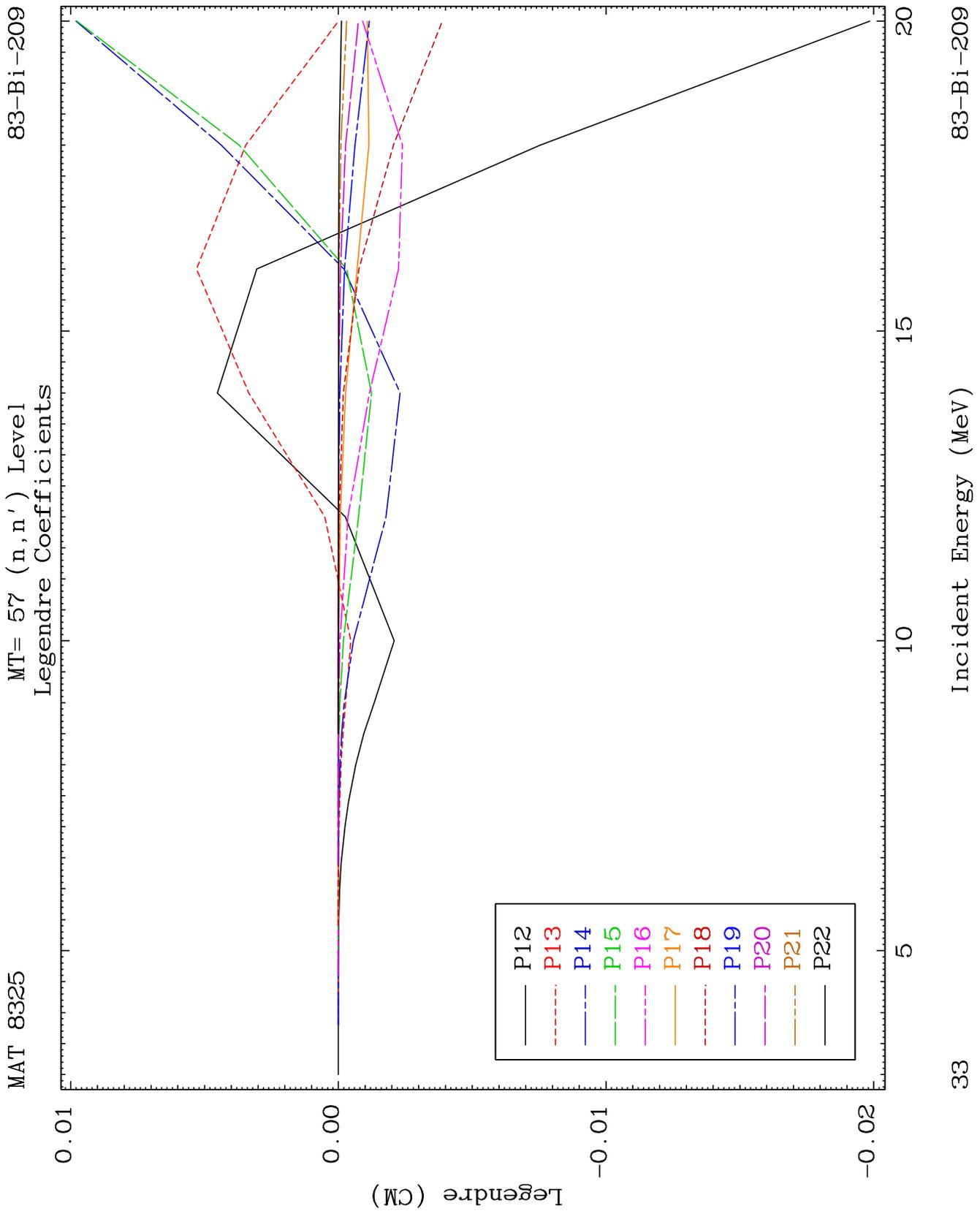
MT= 57 (n,n') Level
Legendre Coefficients

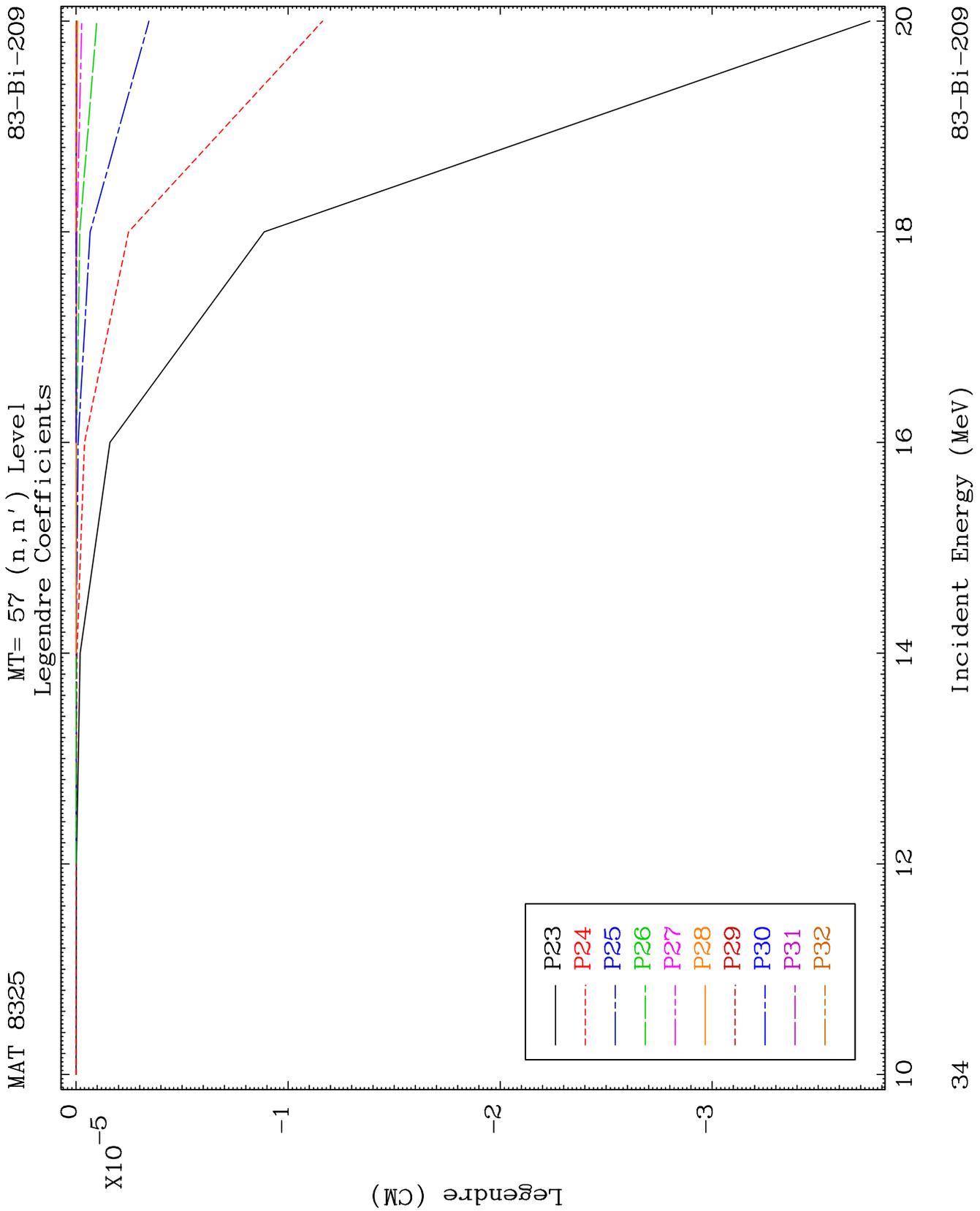
83-Bi-209

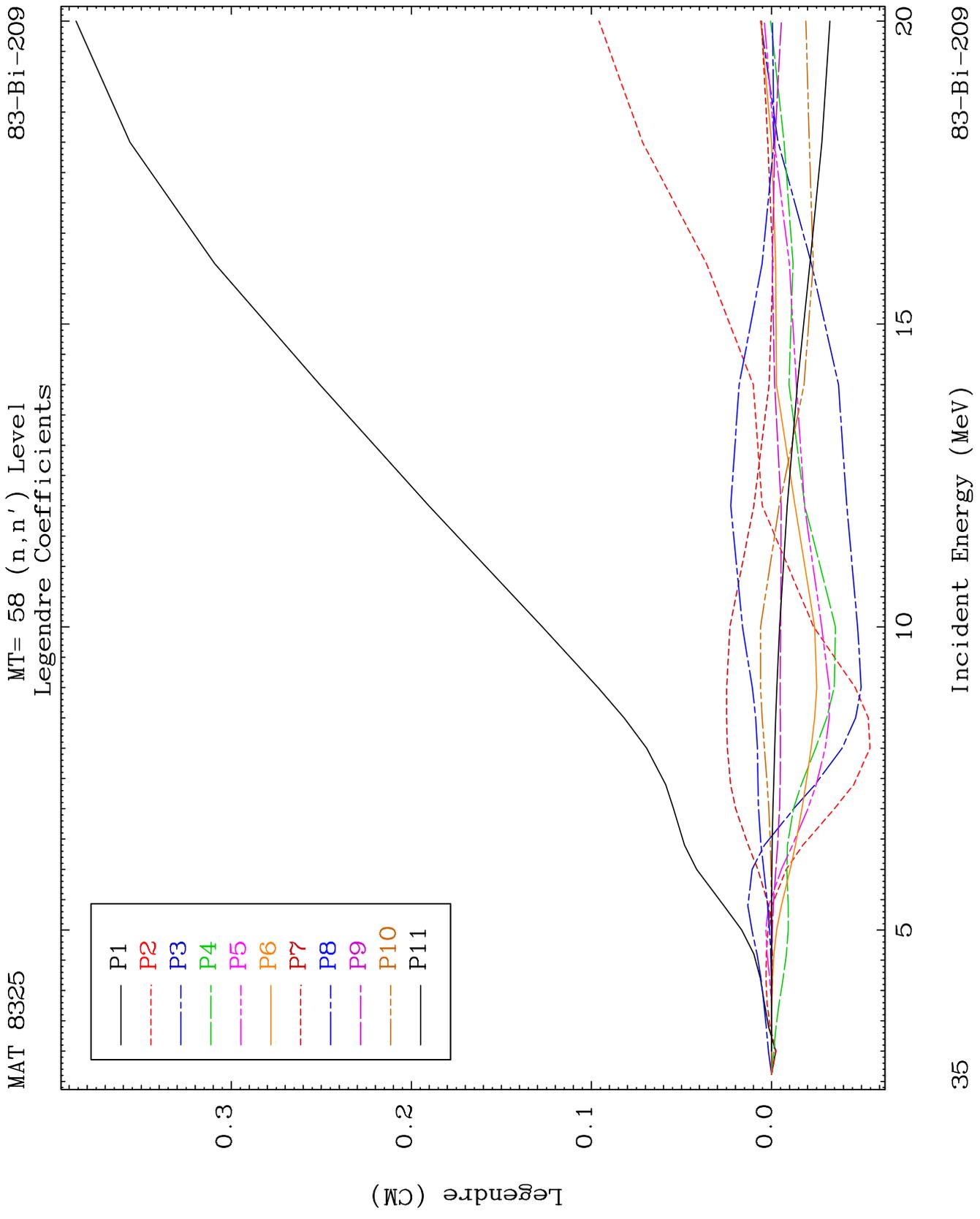


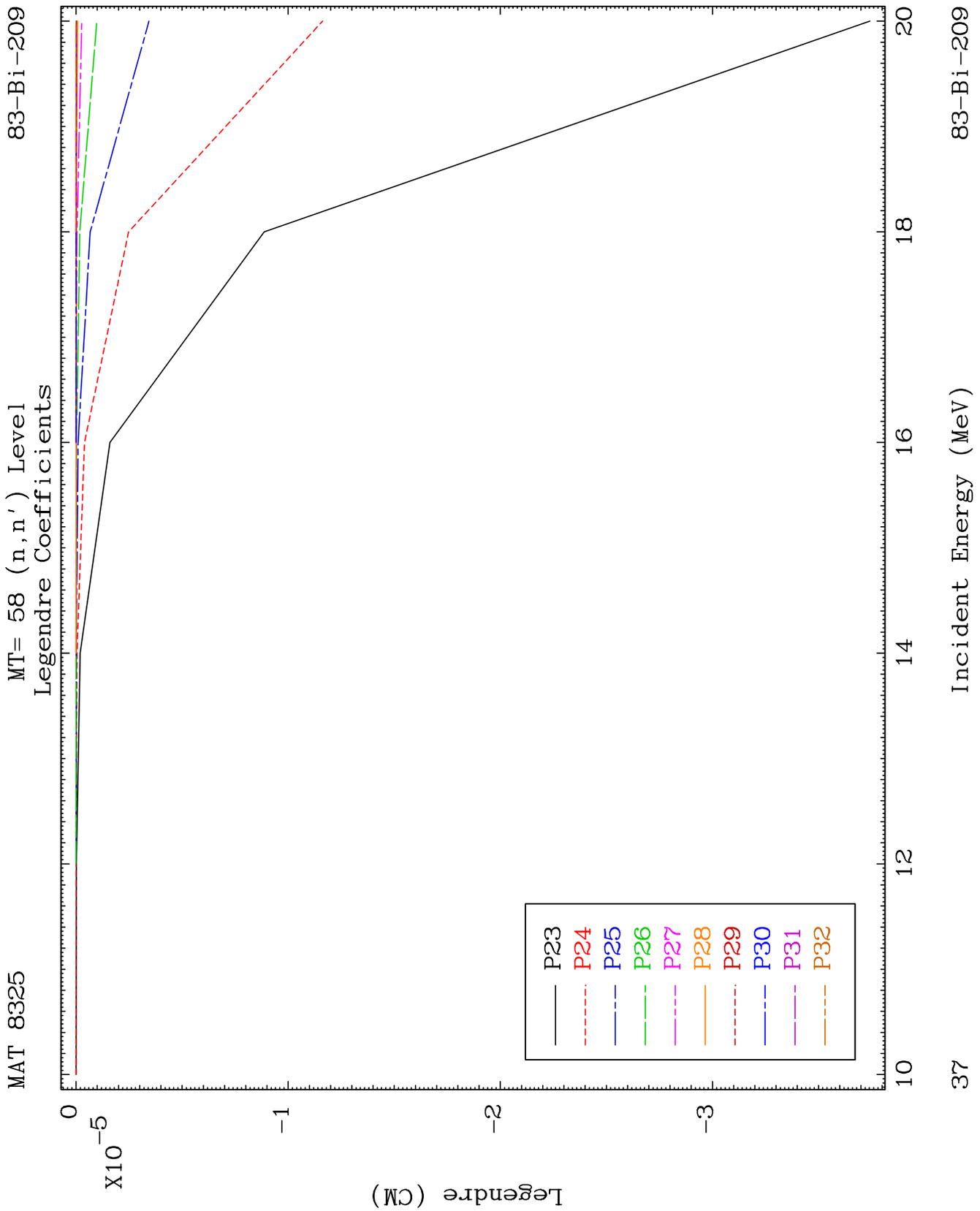
32

83-Bi-209





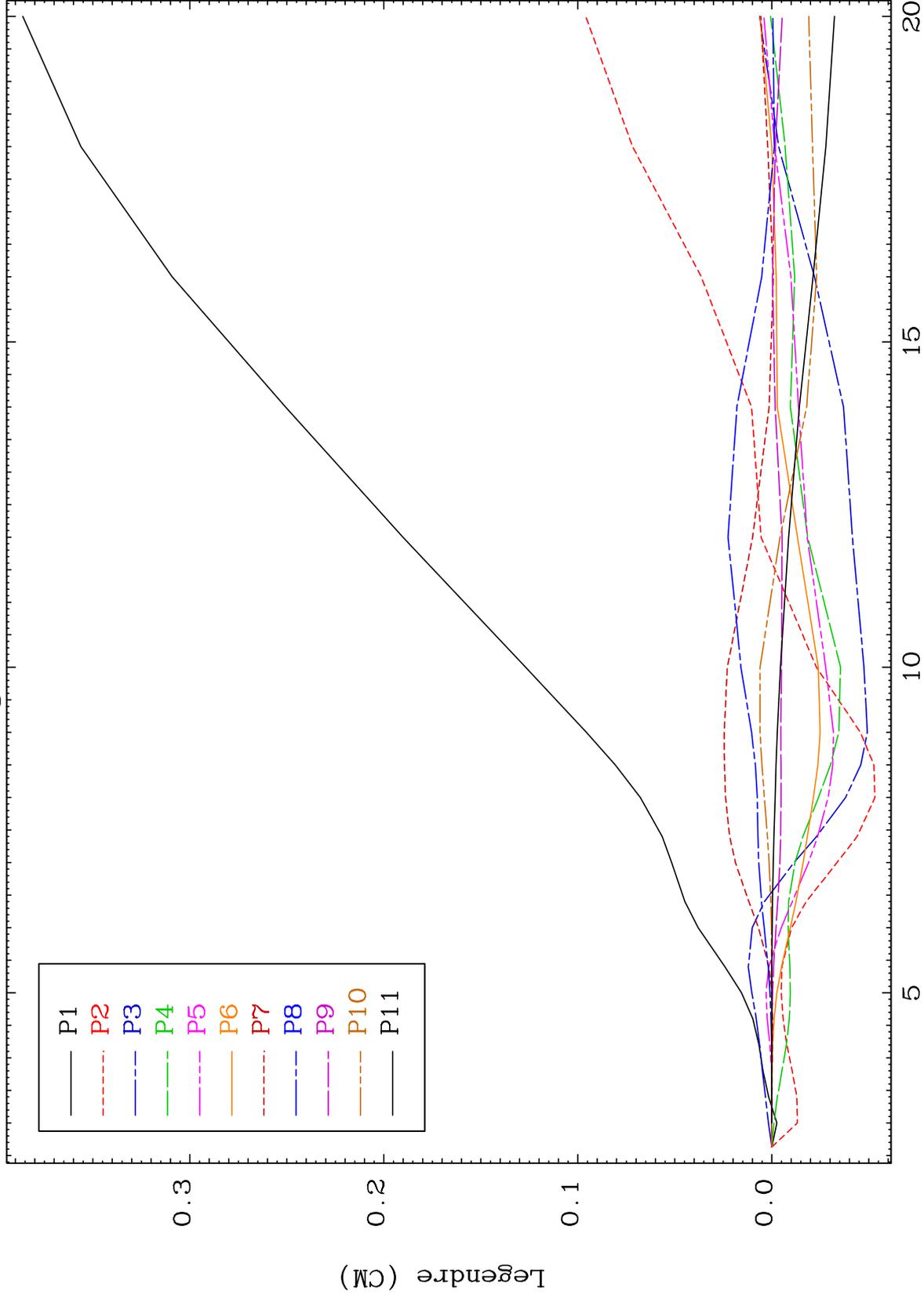




MAT 8325

MT= 59 (n,n') Level
Legendre Coefficients

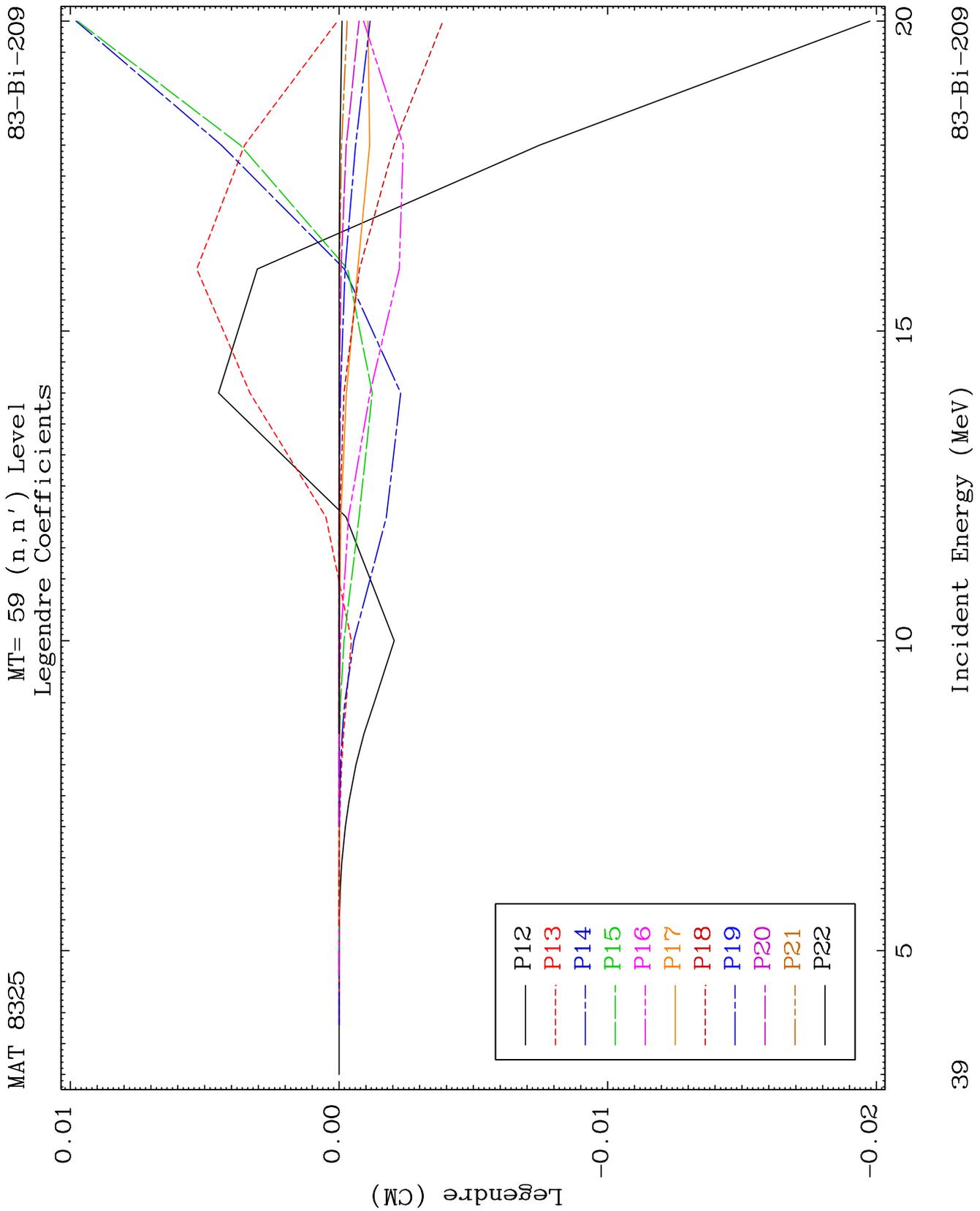
83-Bi-209



38

Incident Energy (MeV)

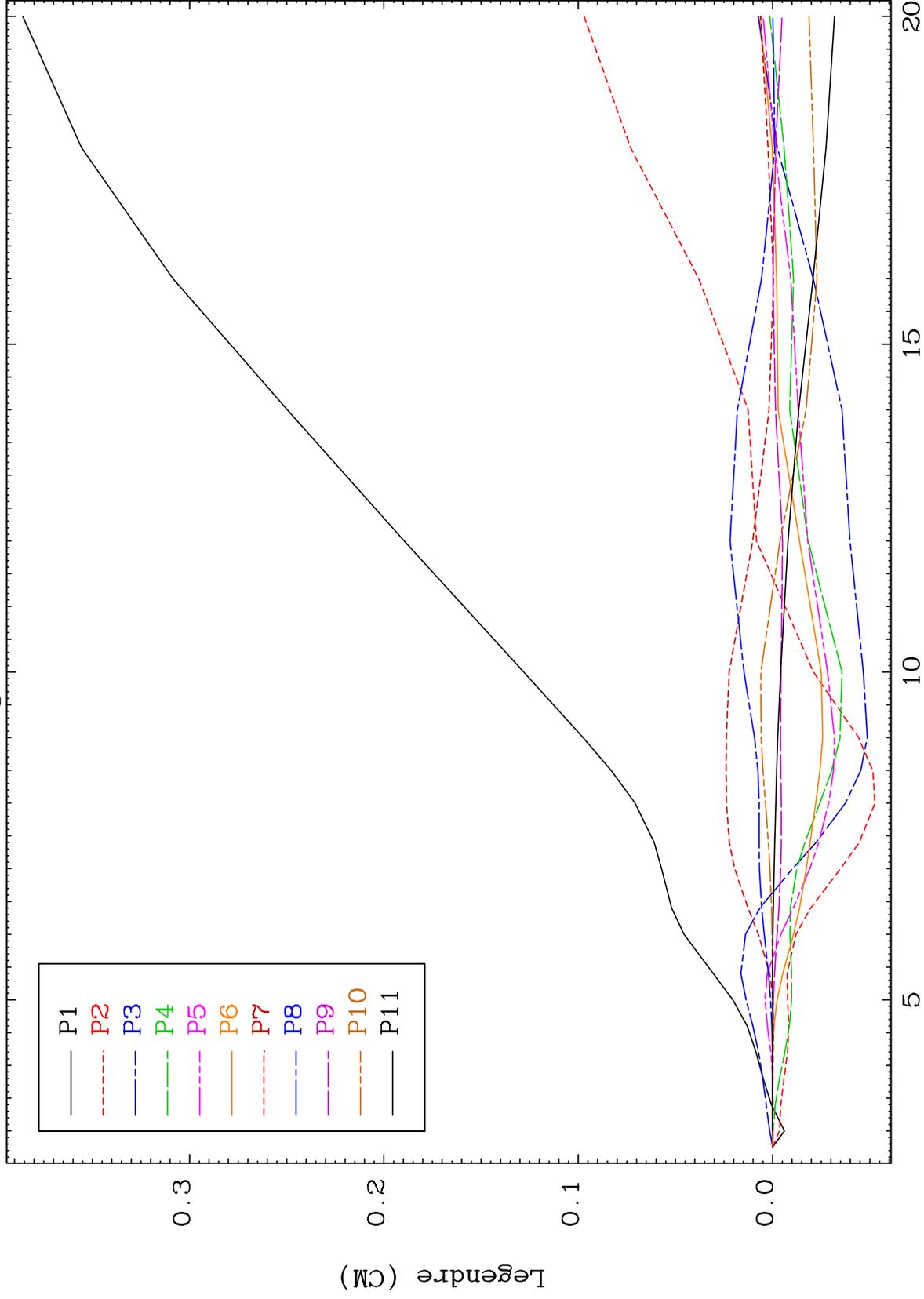
83-Bi-209



MAT 8325

MT= 60 (n,n') Level
Legendre Coefficients

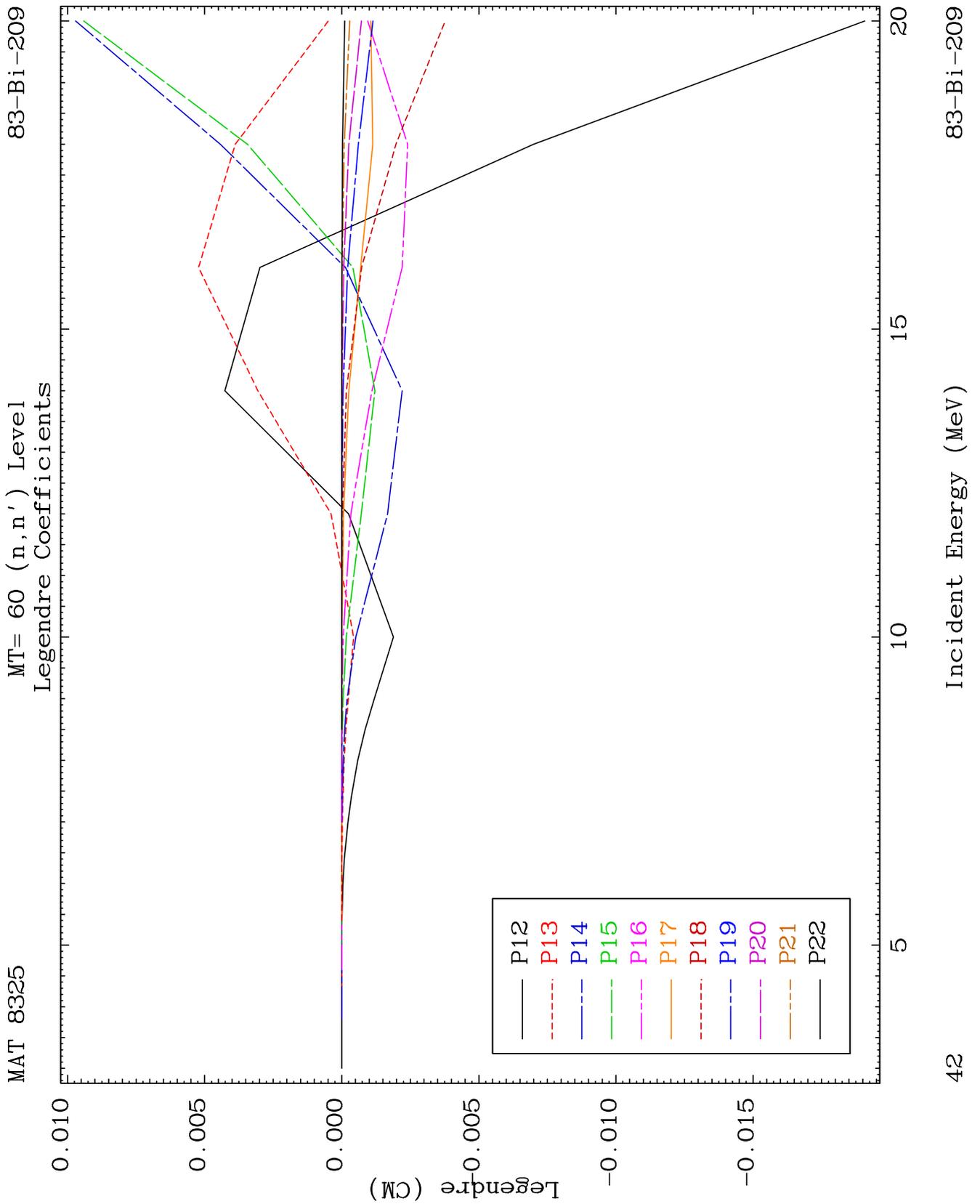
83-Bi-209



41

Incident Energy (MeV)

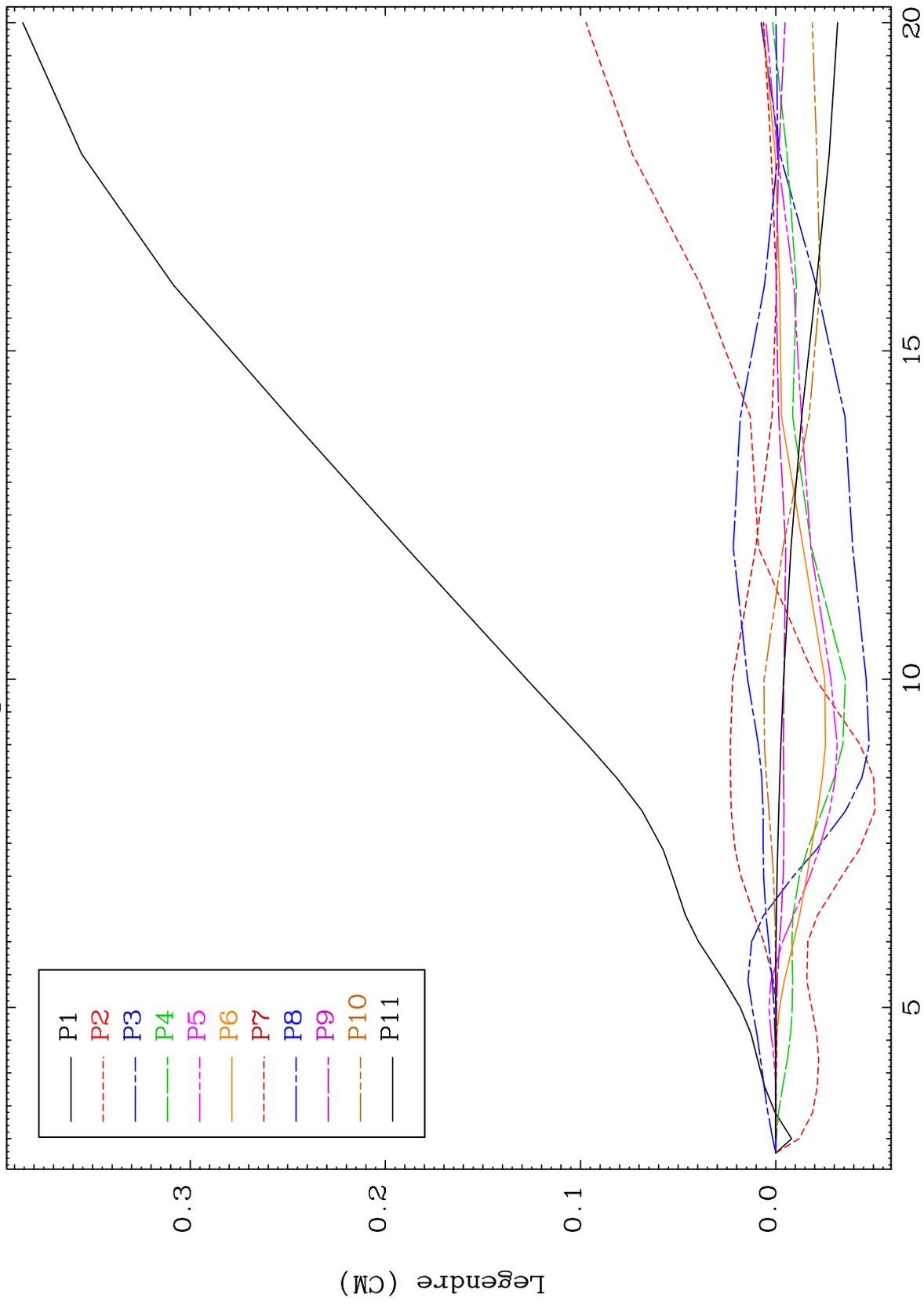
83-Bi-209



MAT 8325

MT= 61 (n,n') Level
Legendre Coefficients

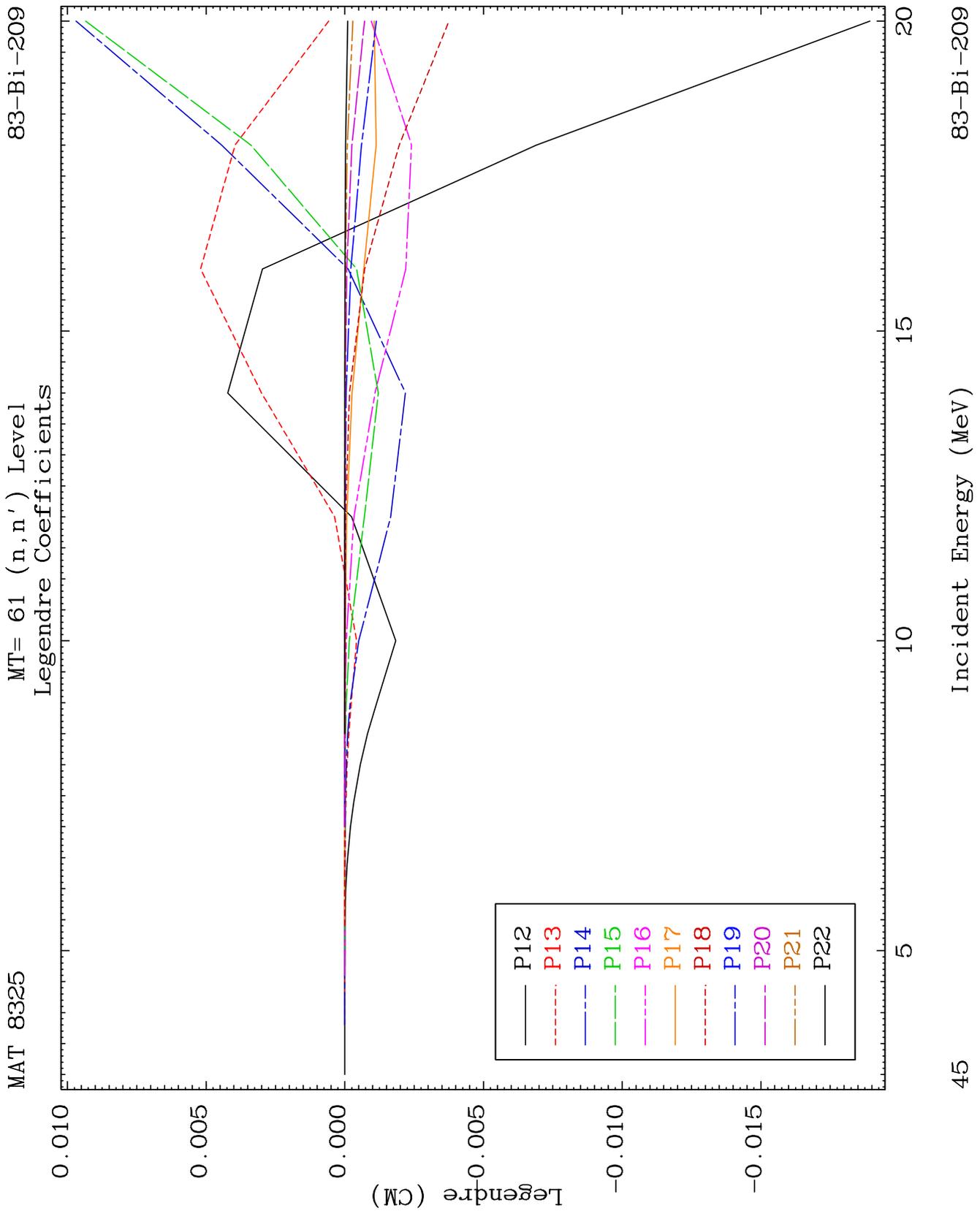
83-Bi-209

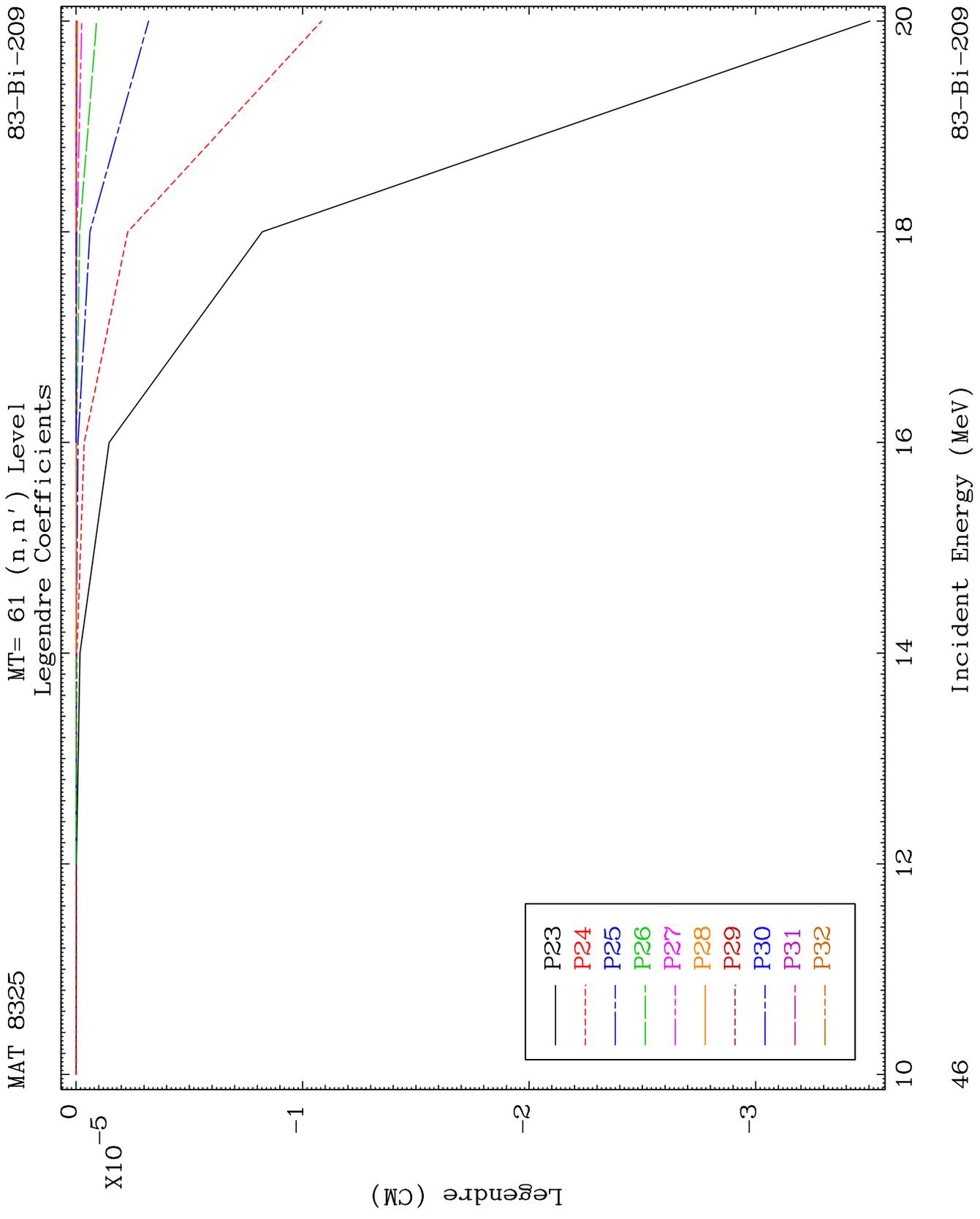


44

Incident Energy (MeV)

83-Bi-209

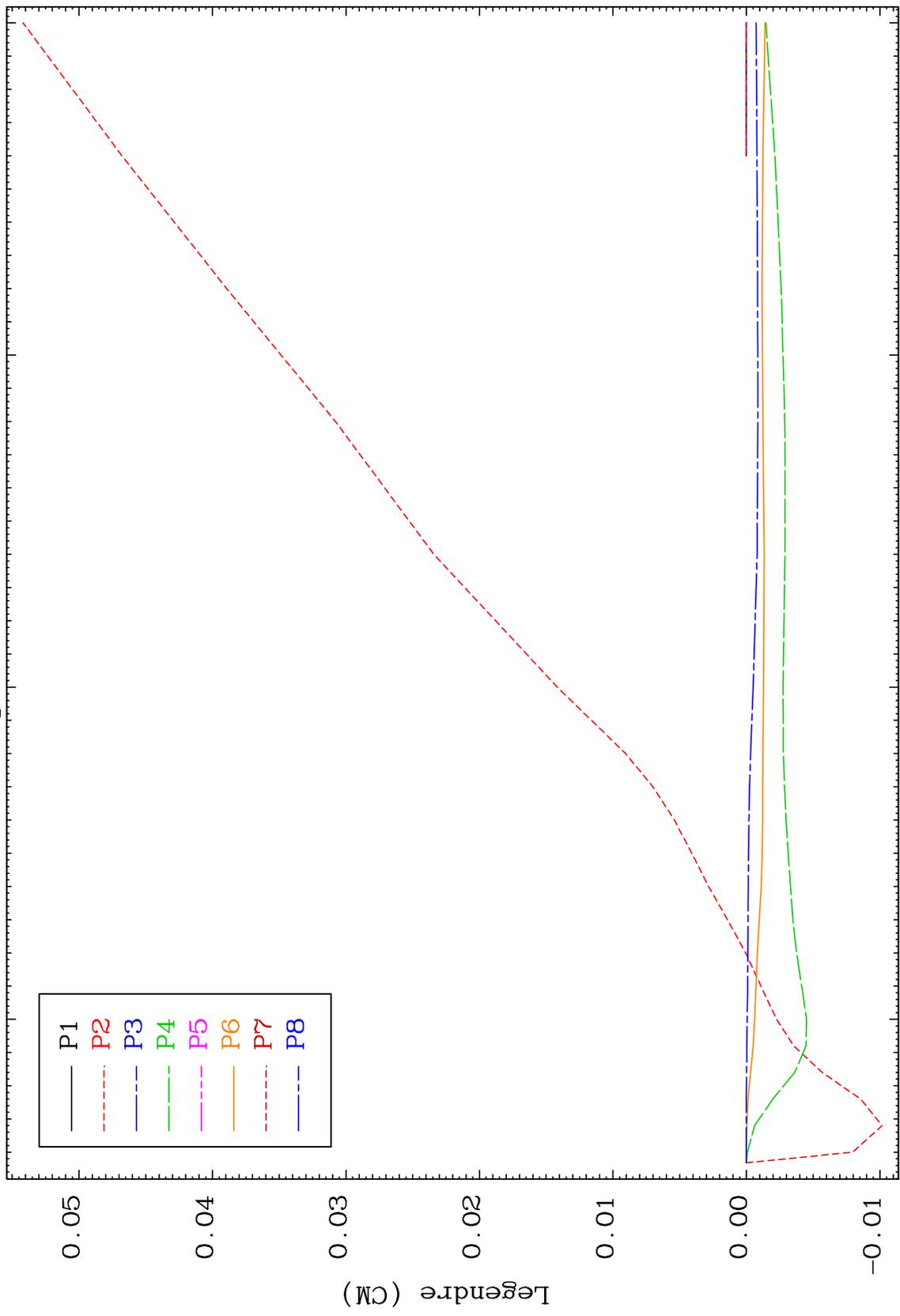




MAT 8325

MT= 62 (n,n') Level
Legendre Coefficients

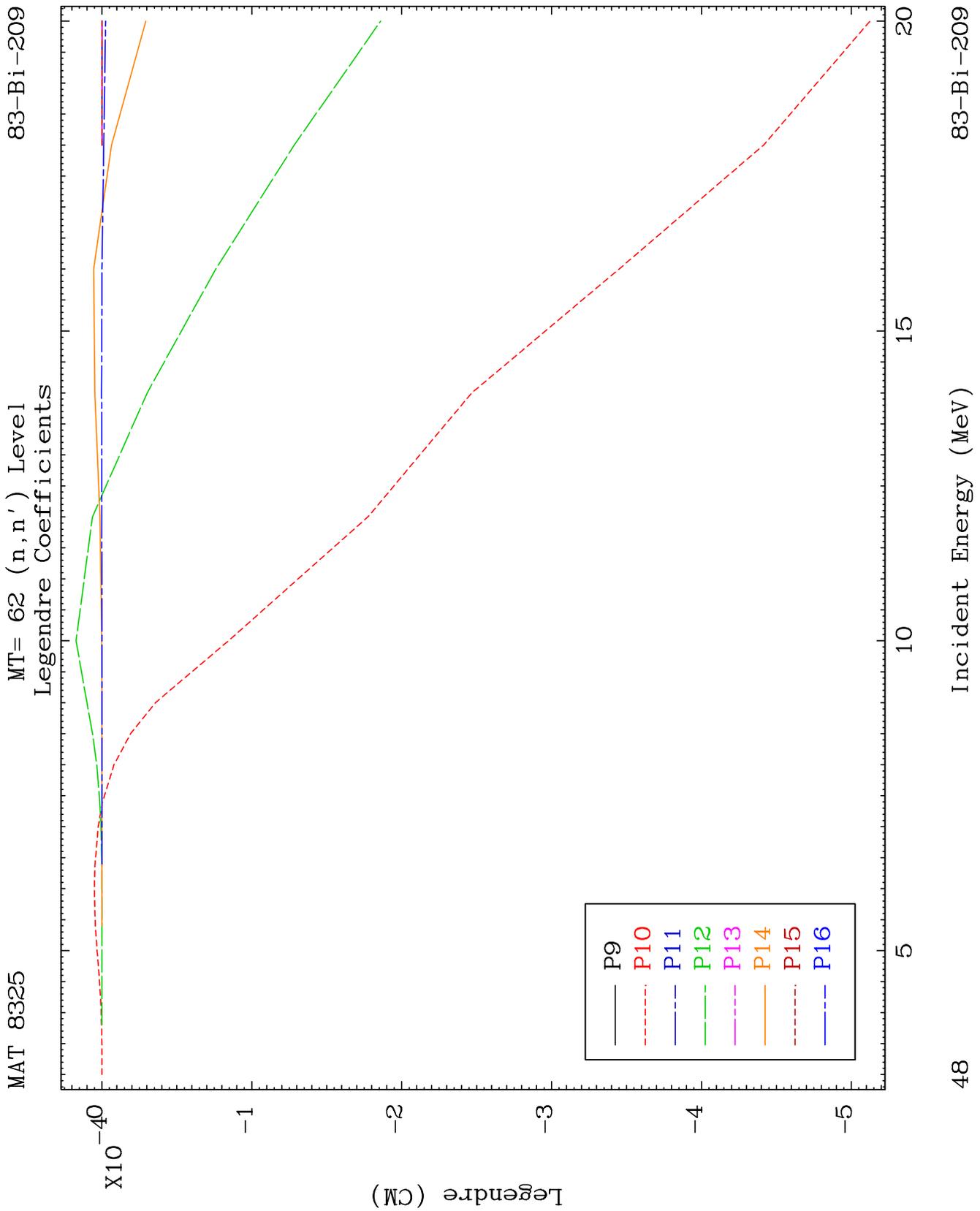
83-Bi-209



47

Incident Energy (MeV)

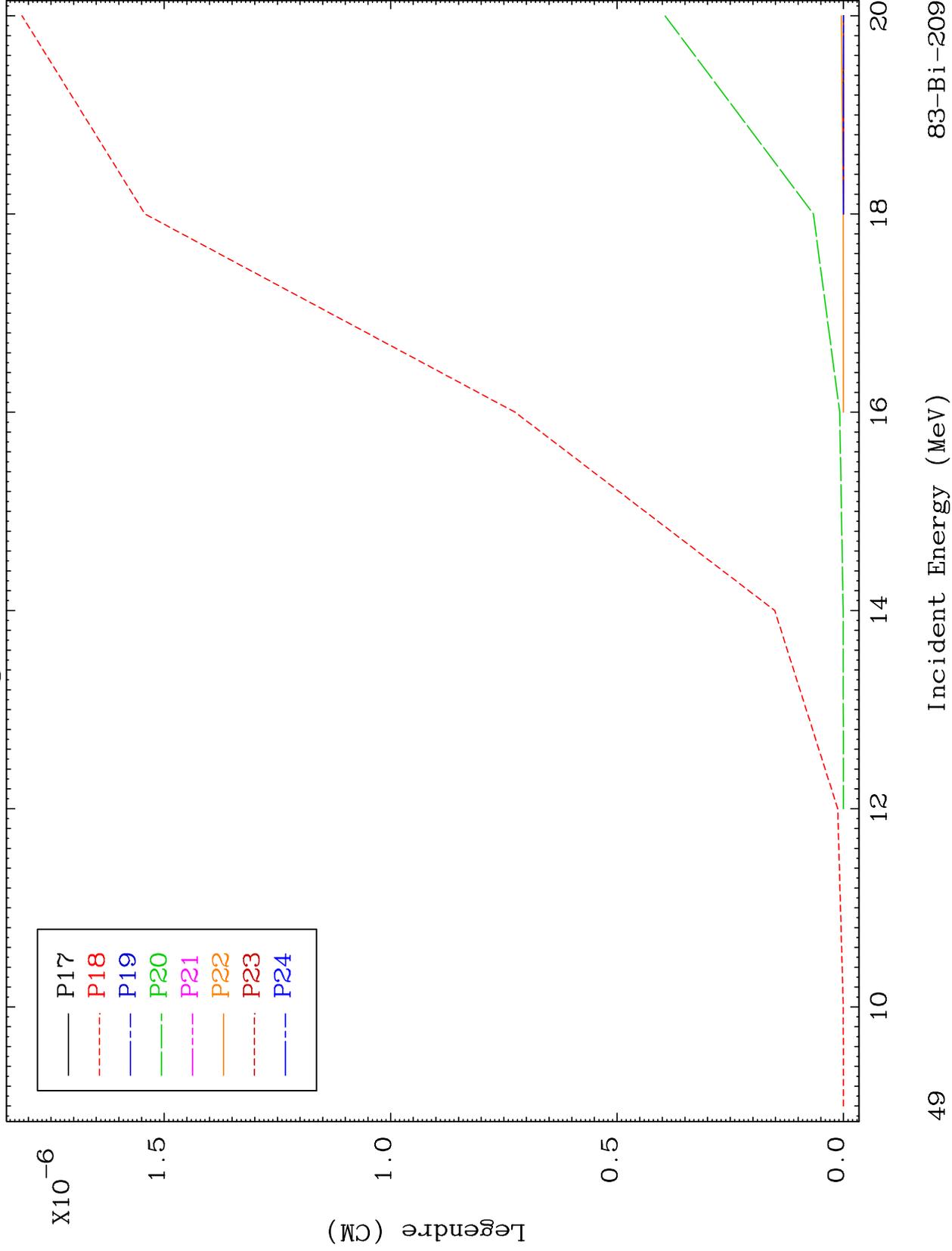
83-Bi-209



MAT 8325

MT= 62 (n,n') Level
Legendre Coefficients

83-Bi-209

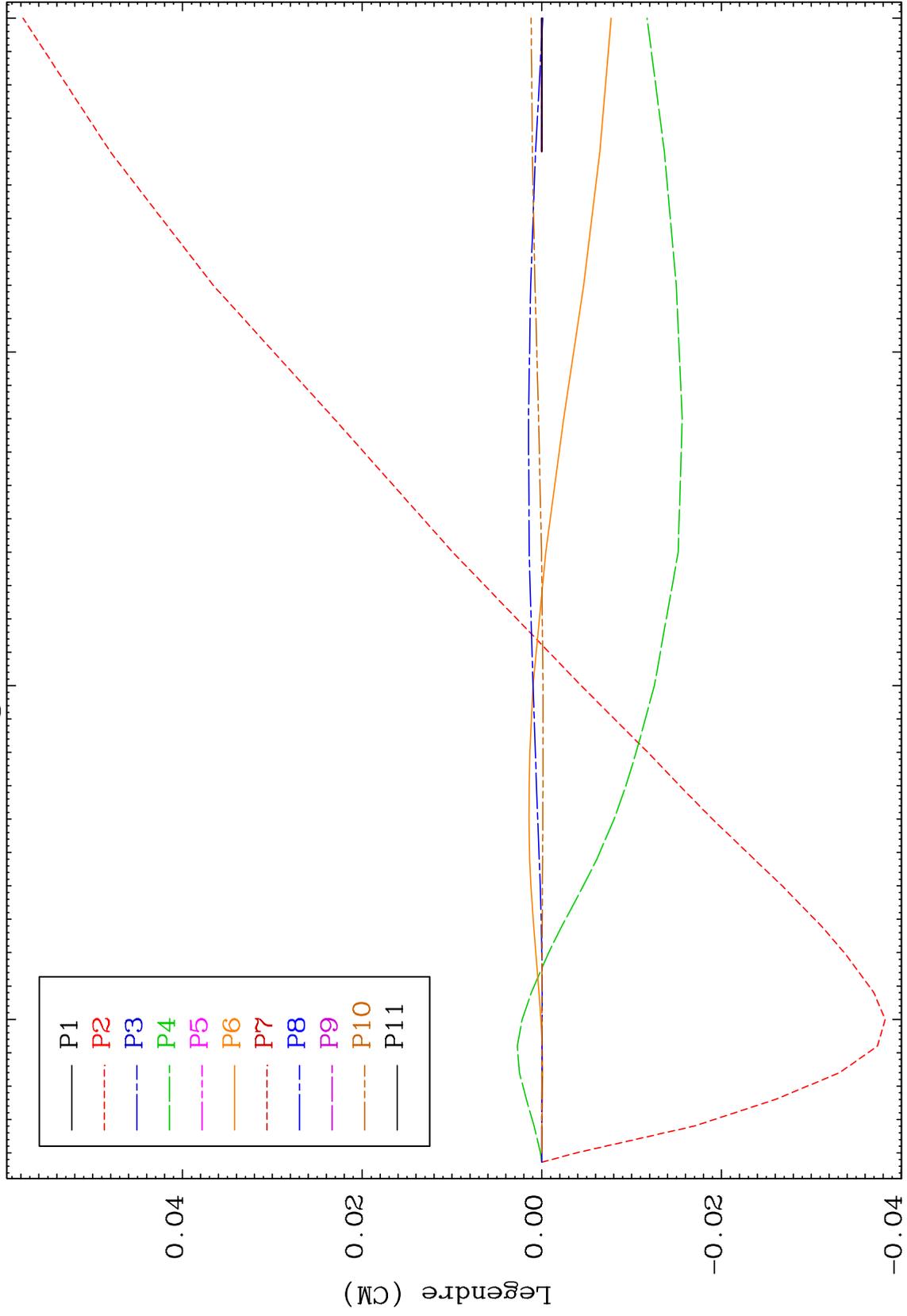


49

MAT 8325

MT= 63 (n,n') Level
Legendre Coefficients

83-Bi-209



50

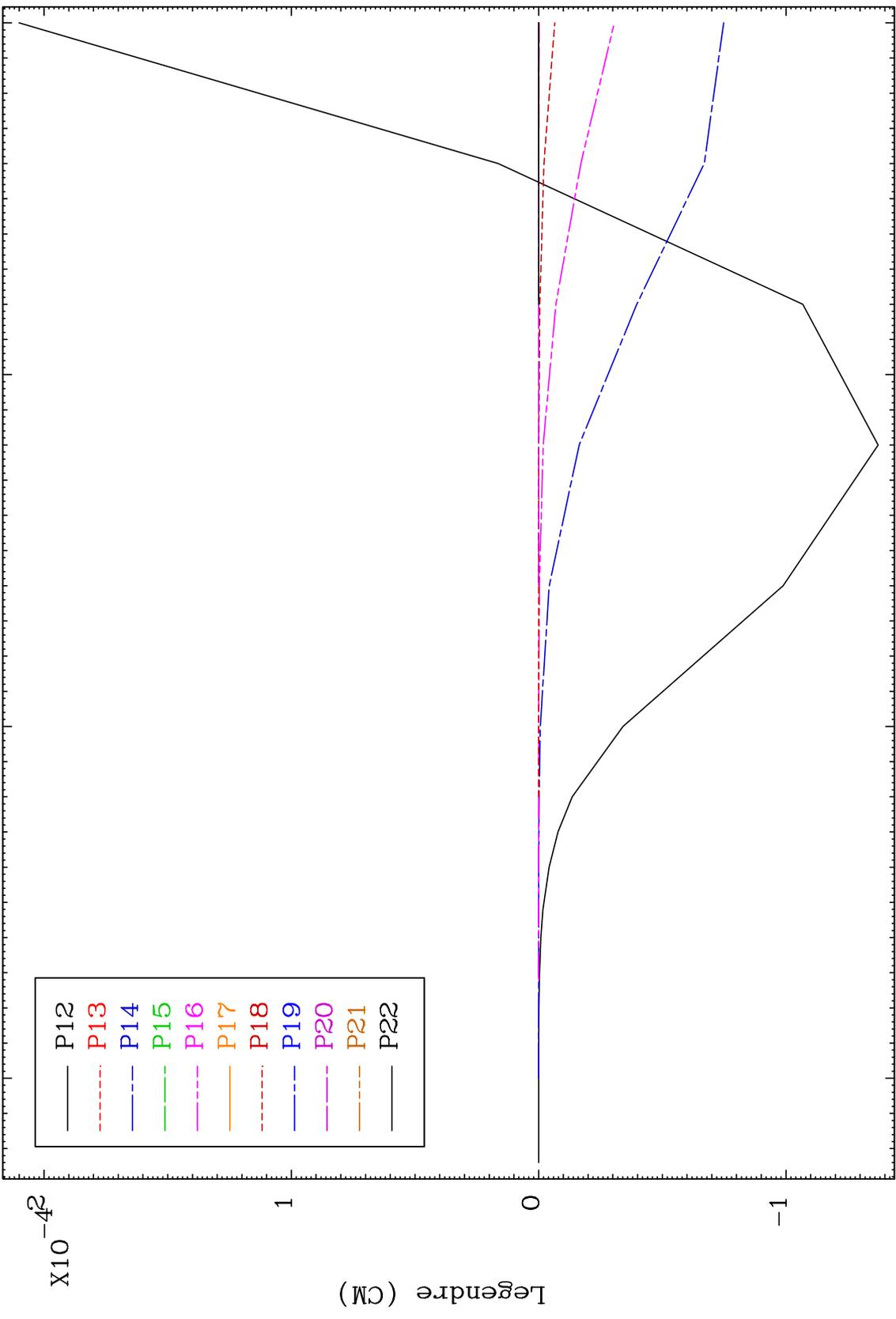
Incident Energy (MeV)

83-Bi-209

MAT 8325

MT= 63 (n,n') Level
Legendre Coefficients

83-Bi-209



20

15

10

5

51

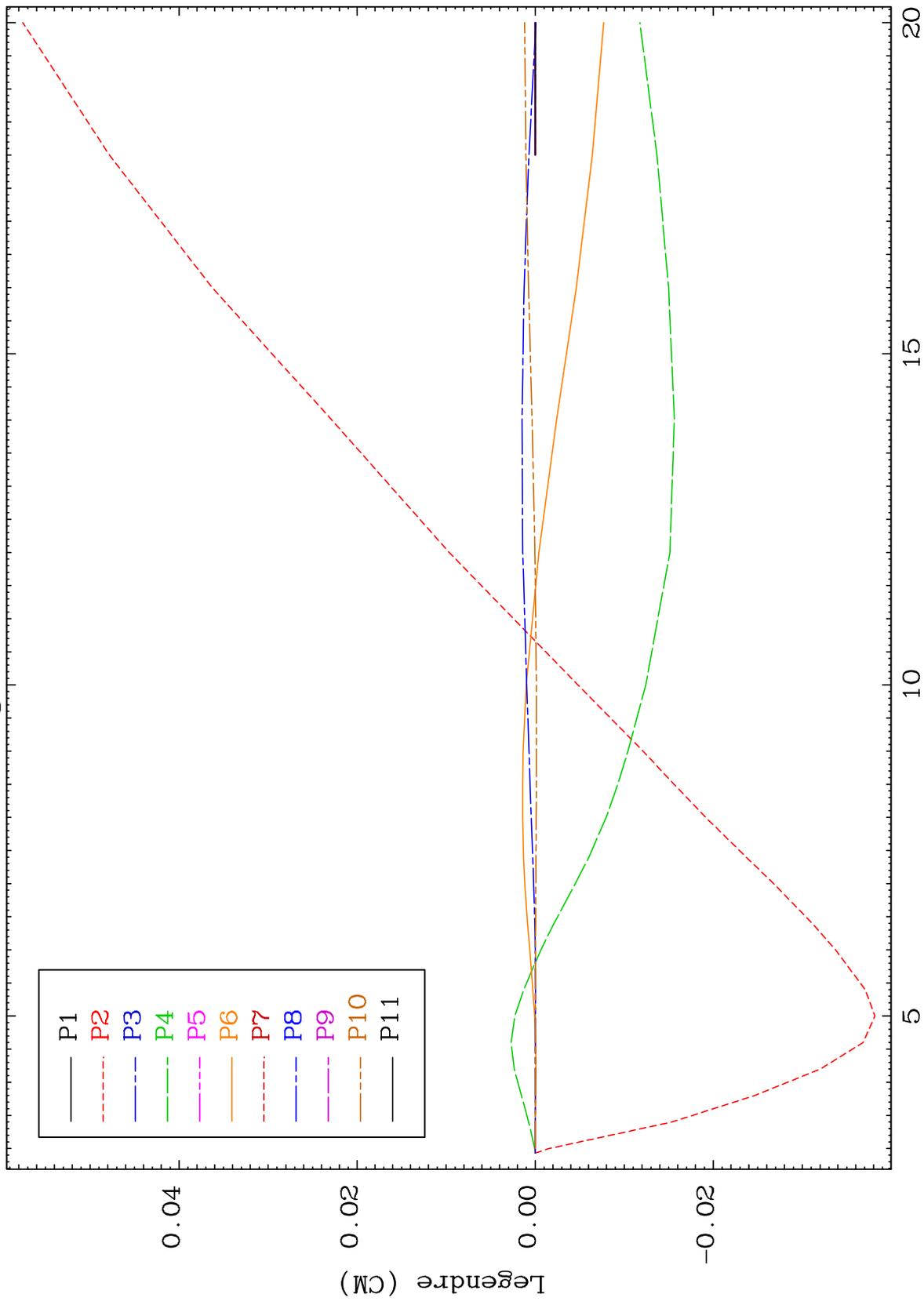
Incident Energy (MeV)

83-Bi-209

MAT 8325

MT= 64 (n,n') Level
Legendre Coefficients

83-Bi-209



52

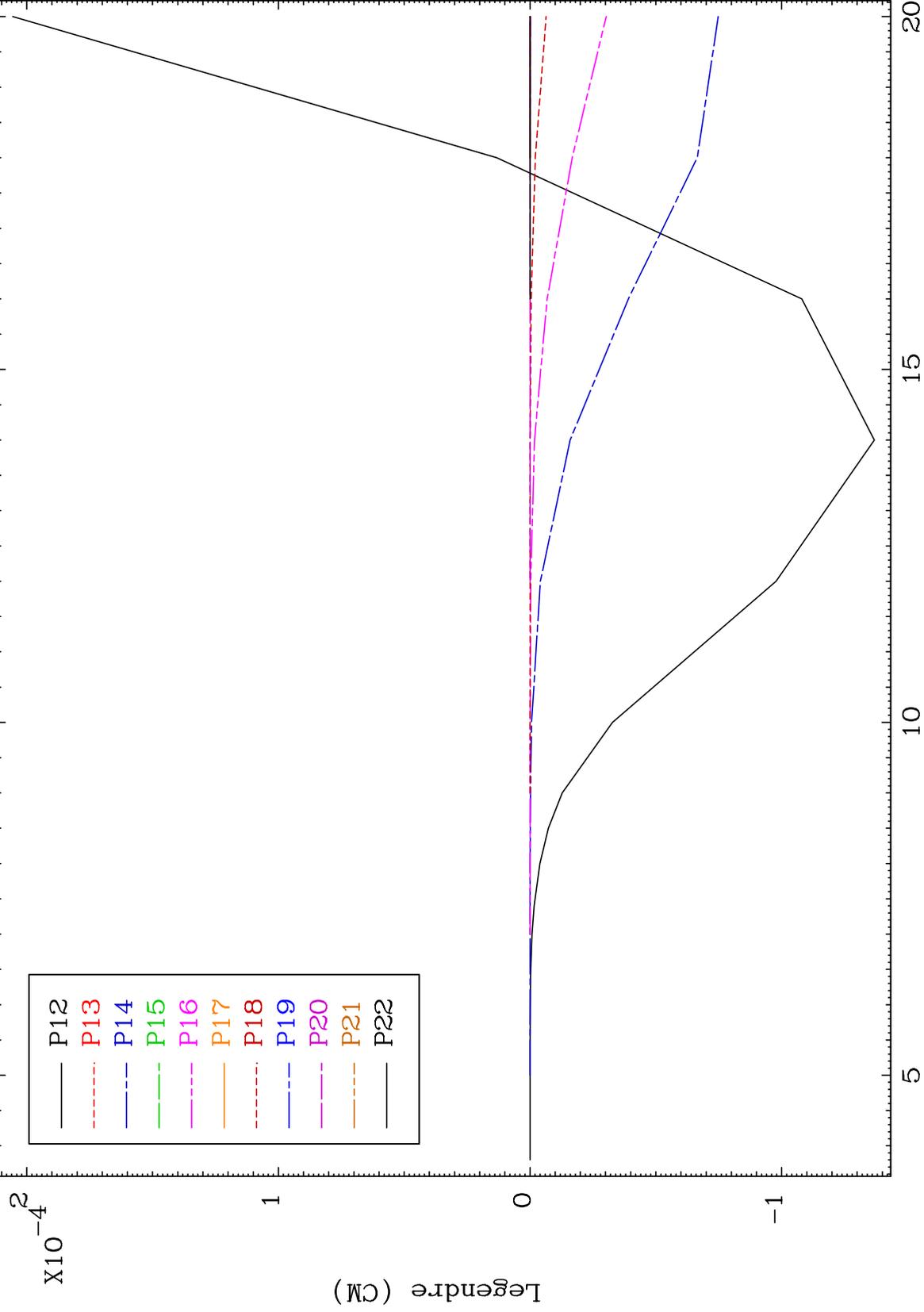
Incident Energy (MeV)

83-Bi-209

MAT 8325

MT= 64 (n,n') Level
Legendre Coefficients

83-Bi-209



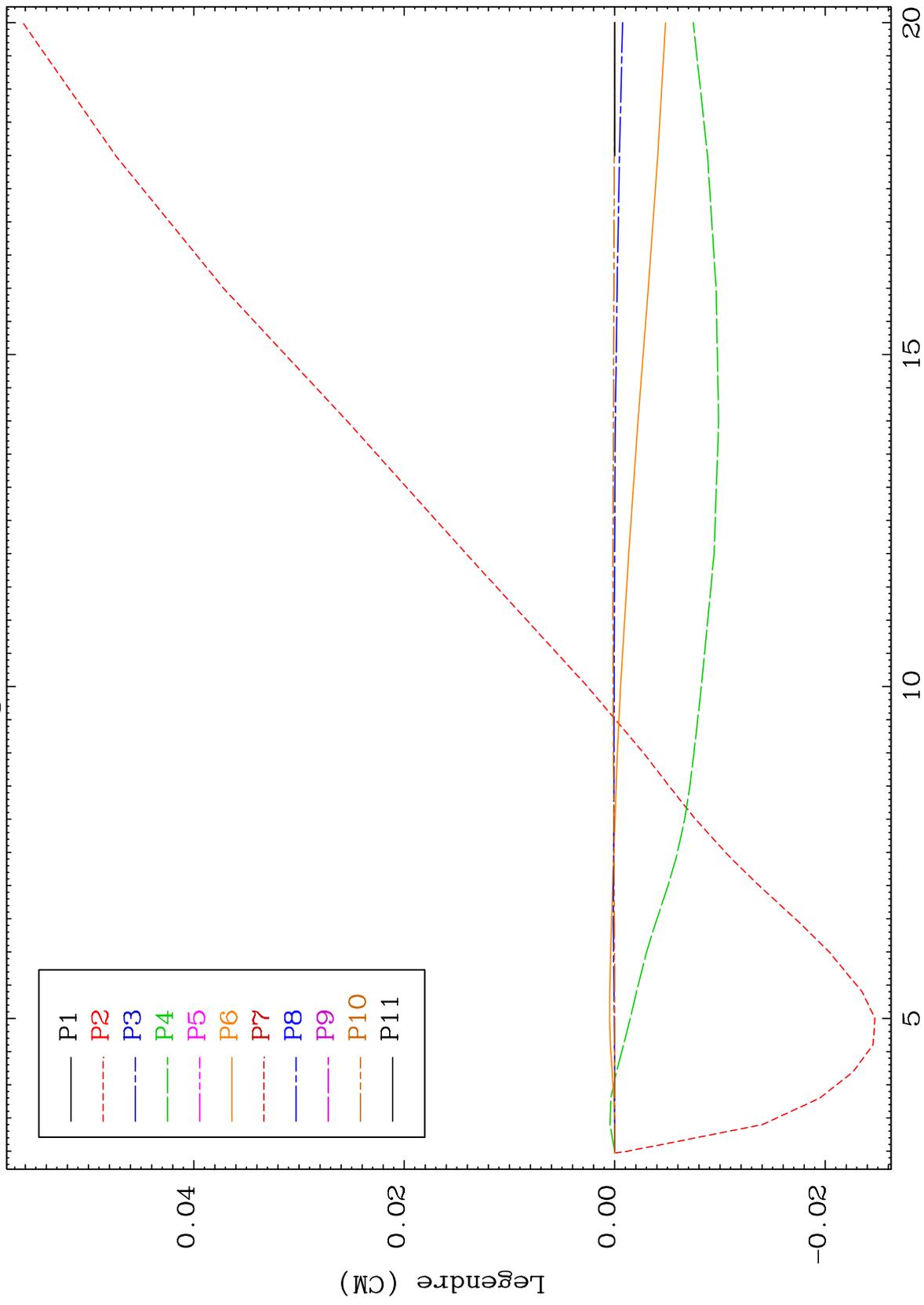
53

83-Bi-209

MAT 8325

MT= 65 (n,n') Level
Legendre Coefficients

83-Bi-209



54

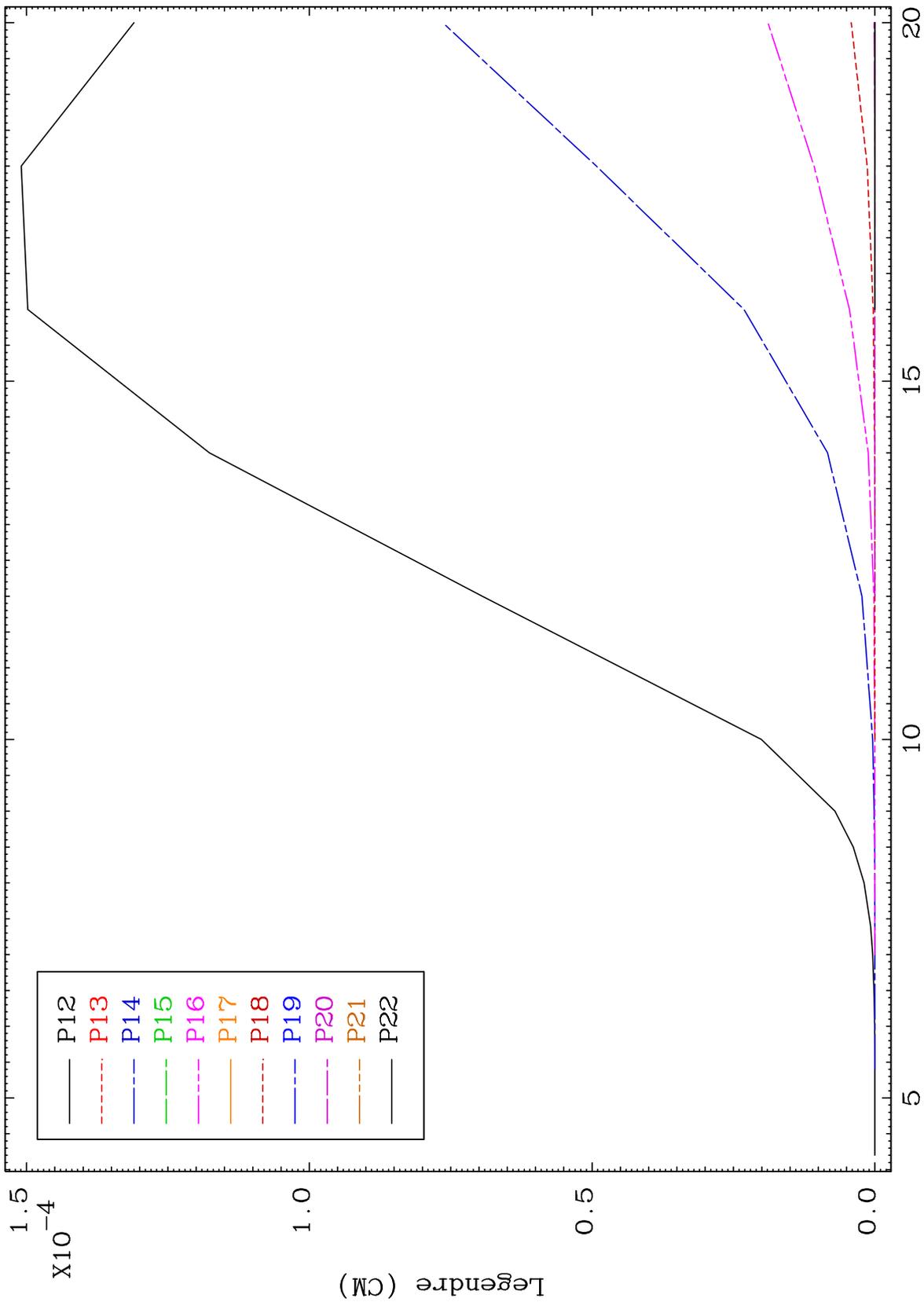
Incident Energy (MeV)

83-Bi-209

MAT 8325

MT= 65 (n,n') Level
Legendre Coefficients

83-Bi-209



55

Incident Energy (MeV)

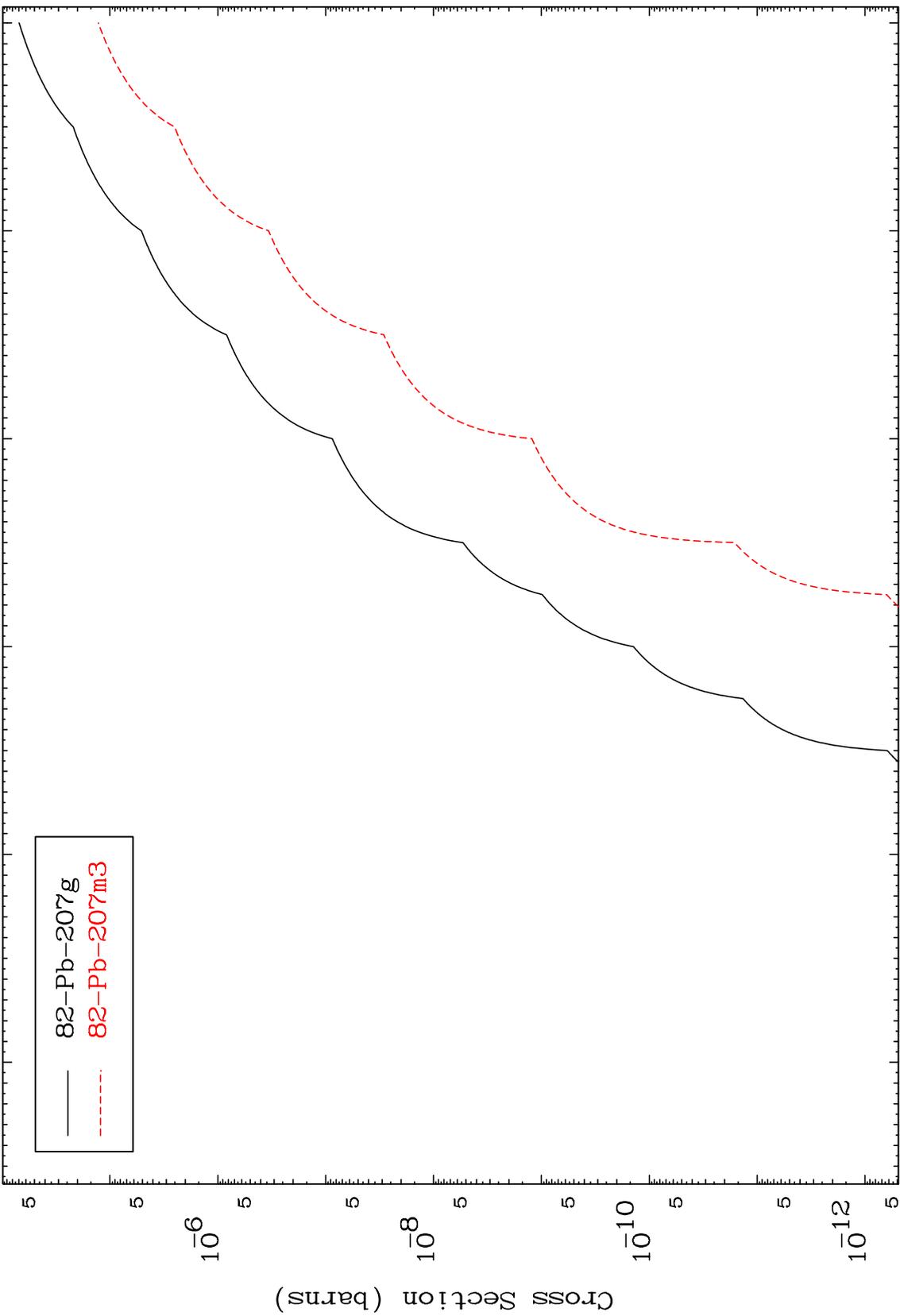
83-Bi-209

MAT 8325

(n,n') d

83-Bi-209

Radionuclide Production Cross Section



82-Pb-207g
82-Pb-207m3

56

Incident Energy (MeV)

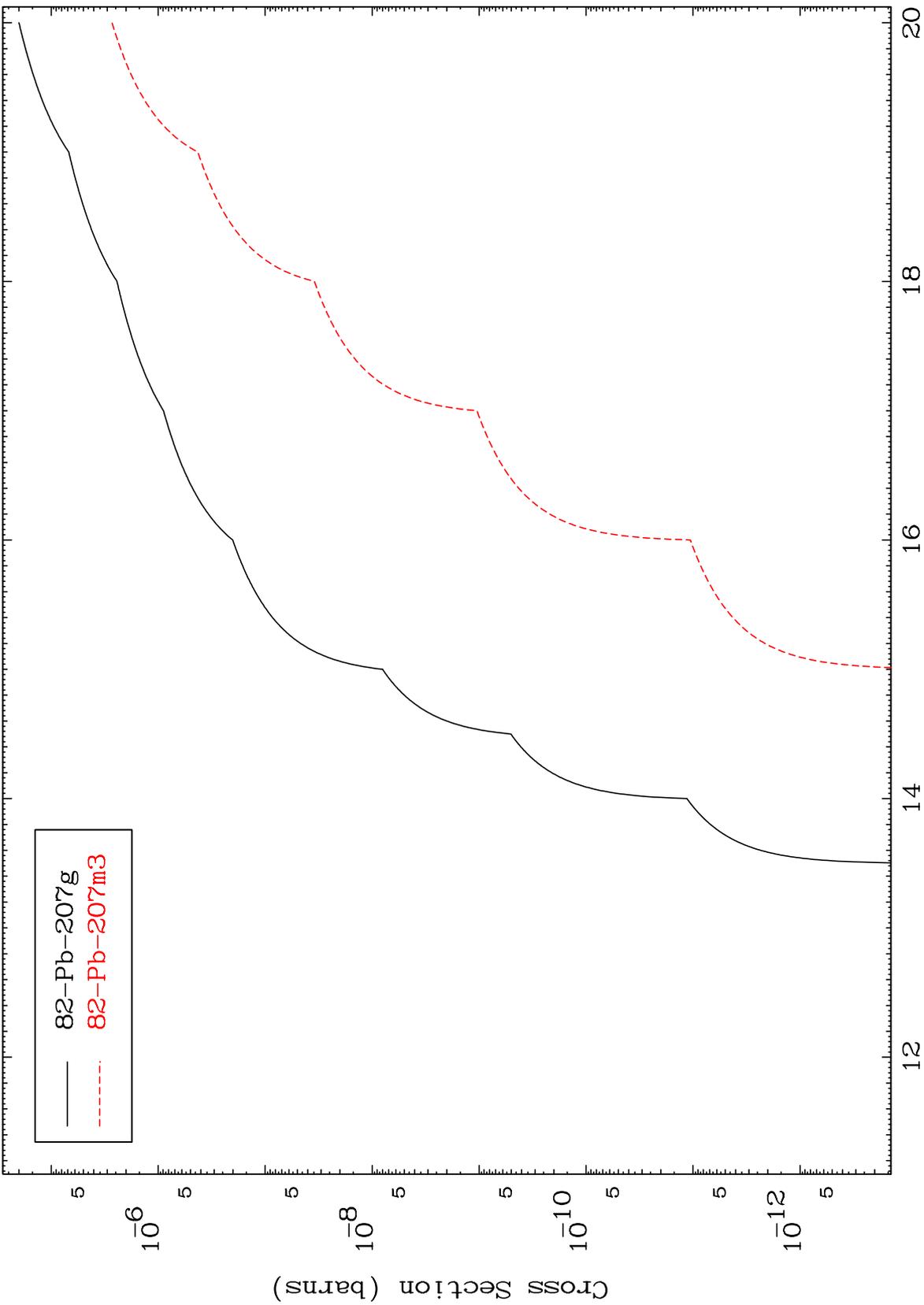
83-Bi-209

MAT 8325

(n,2n) p

83-Bi-209

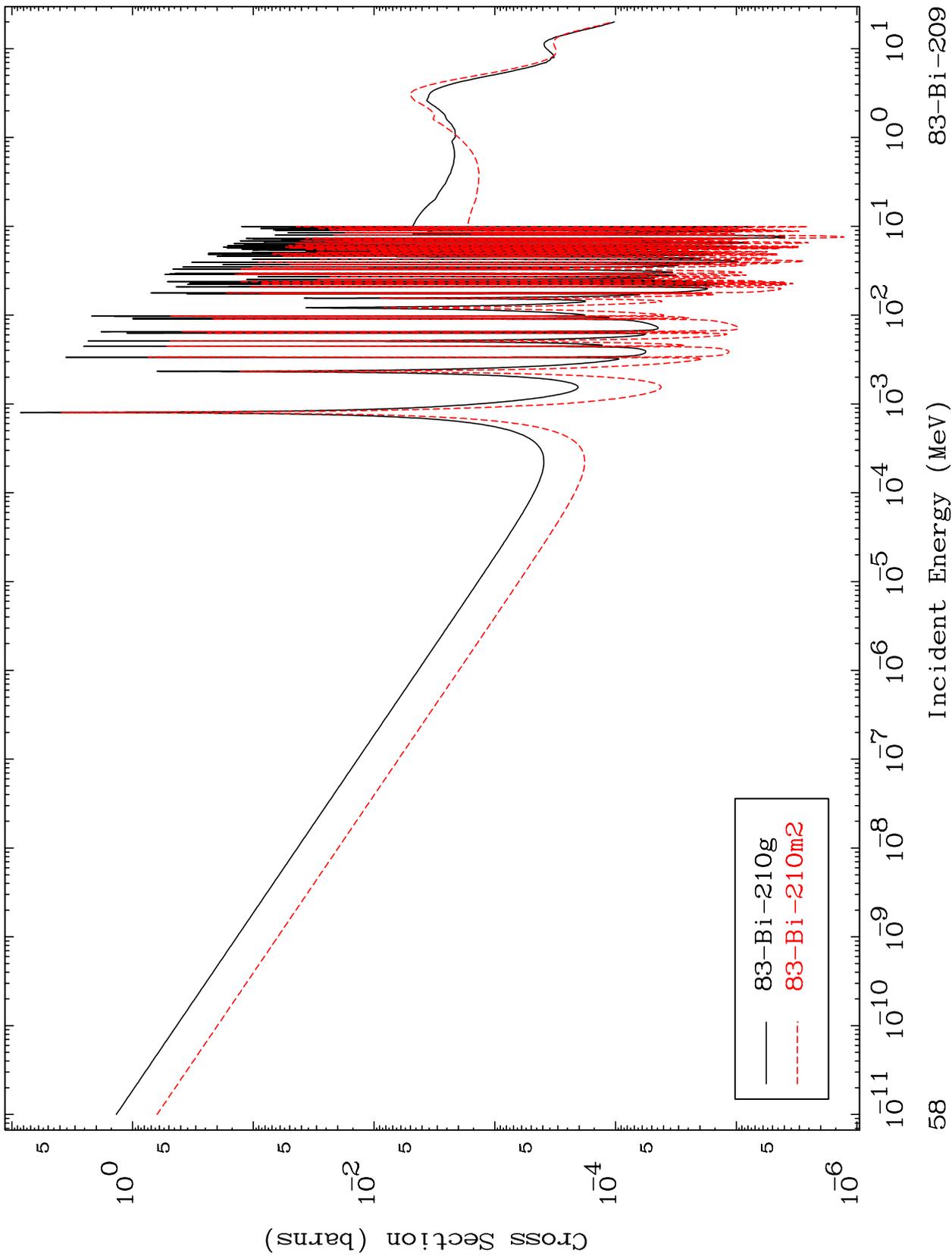
Radionuclide Production Cross Section



MAT 8325

83-Bi-209

(n, γ)
Radionuclide Production Cross Section



58

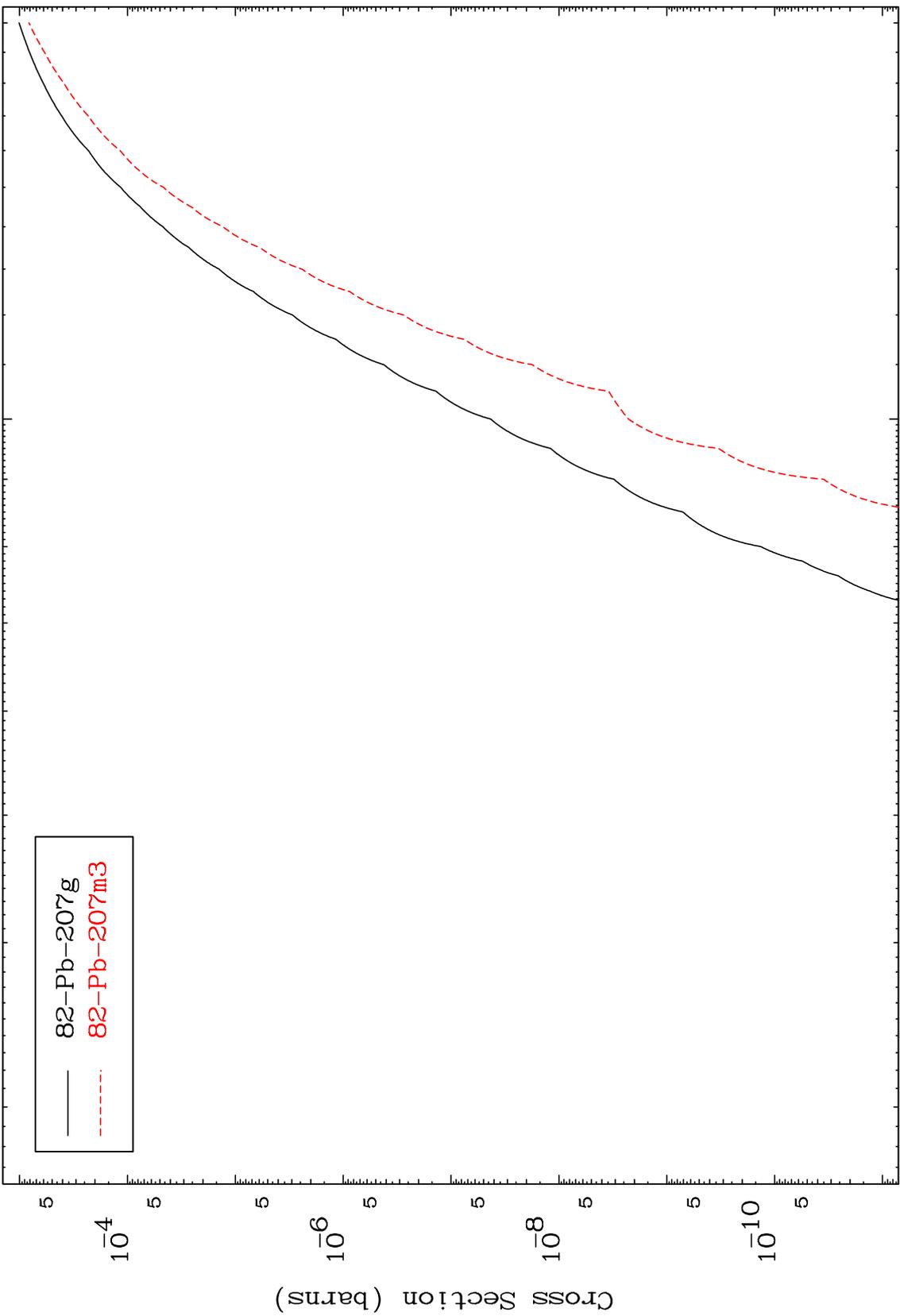
83-Bi-209

MAT 8325

(n, t)

83-Bi-209

Radionuclide Production Cross Section



82-Pb-207g
82-Pb-207m3

59

Incident Energy (MeV)

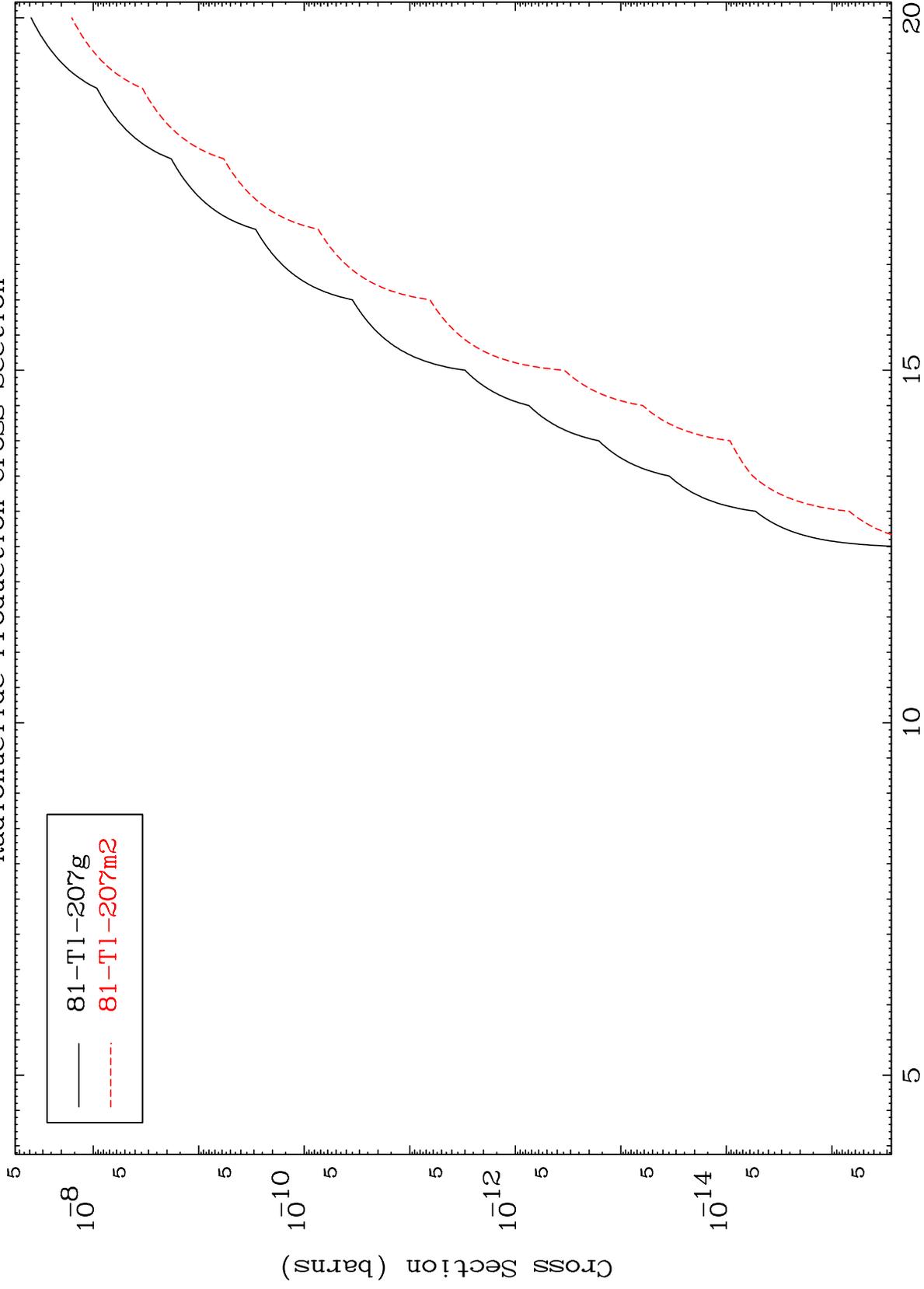
83-Bi-209

MAT 8325

(n,He-3)

83-Bi-209

Radionuclide Production Cross Section



60

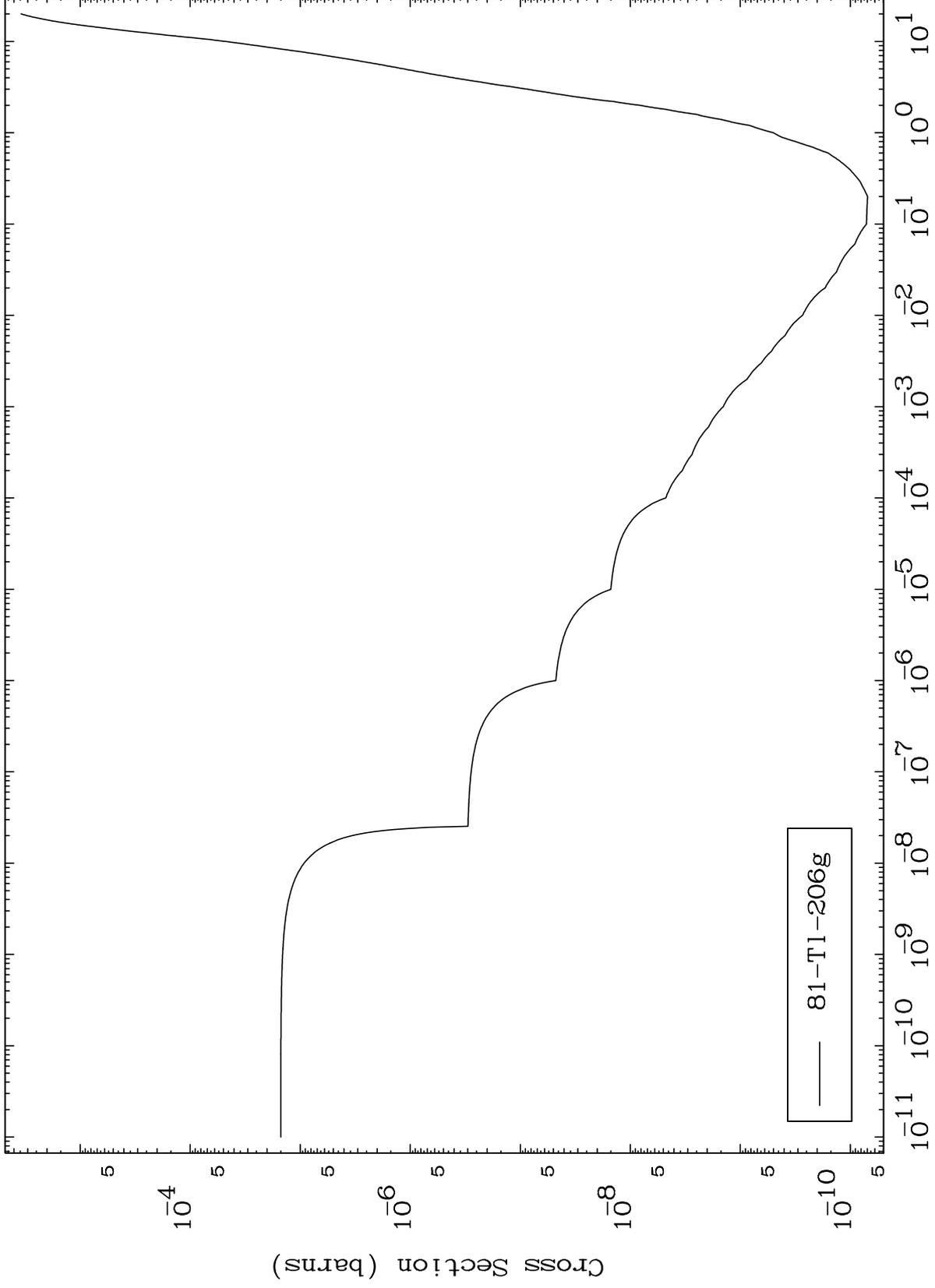
Incident Energy (MeV)

83-Bi-209

MAT 8325

83-Bi-209

(n, α)
Radionuclide Production Cross Section



81-Tl-206g

Incident Energy (MeV)

83-Bi-209

61