

Program EVALPLOT
(Version 2017-1)

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

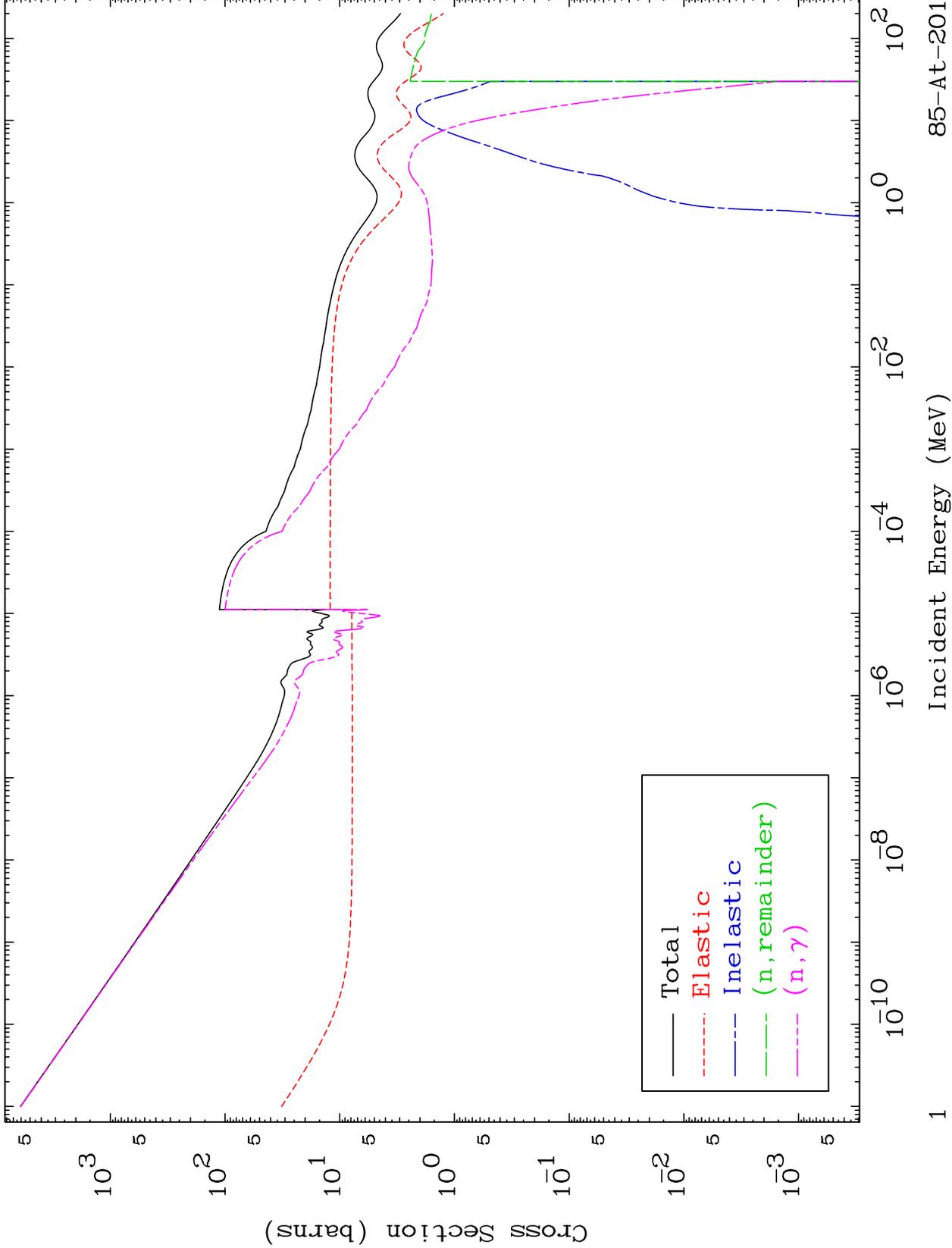
Press Mouse Button to Start

MAT 8519

Major

293 Kelvin Cross Sections

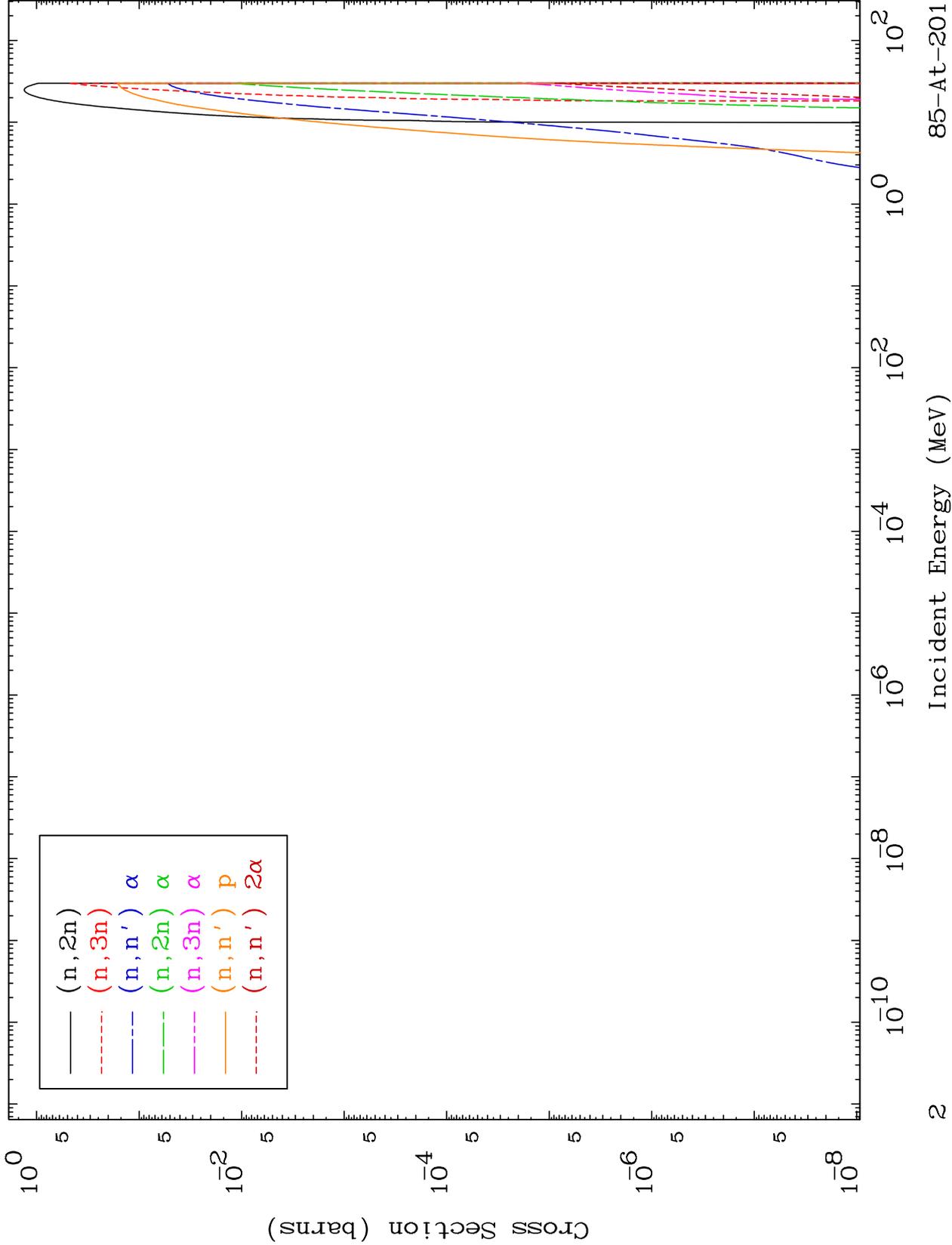
85-At-201



MAT 8519

Neutron Production
293 Kelvin Cross Sections

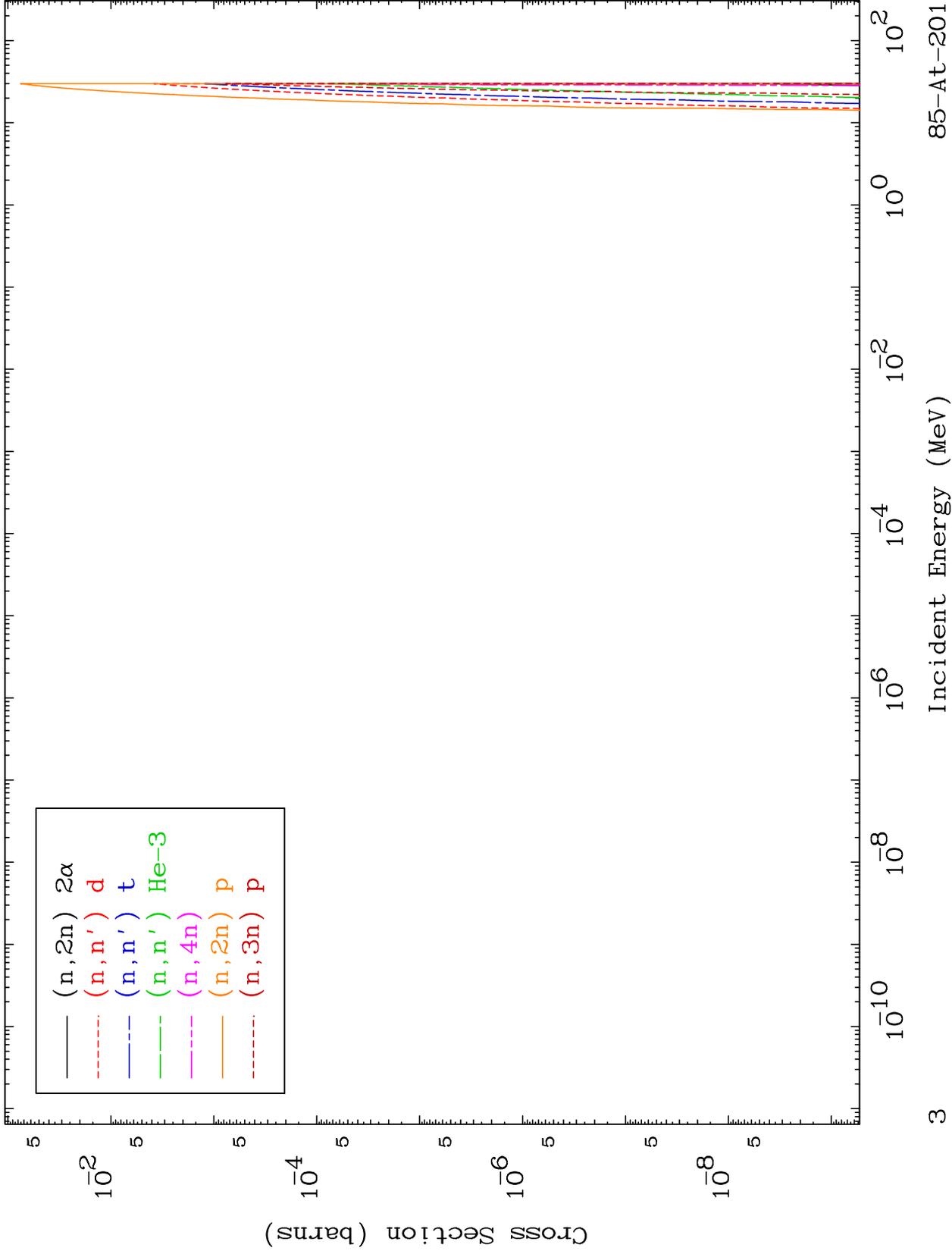
85-At-201



MAT 8519

Neutron Production
293 Kelvin Cross Sections

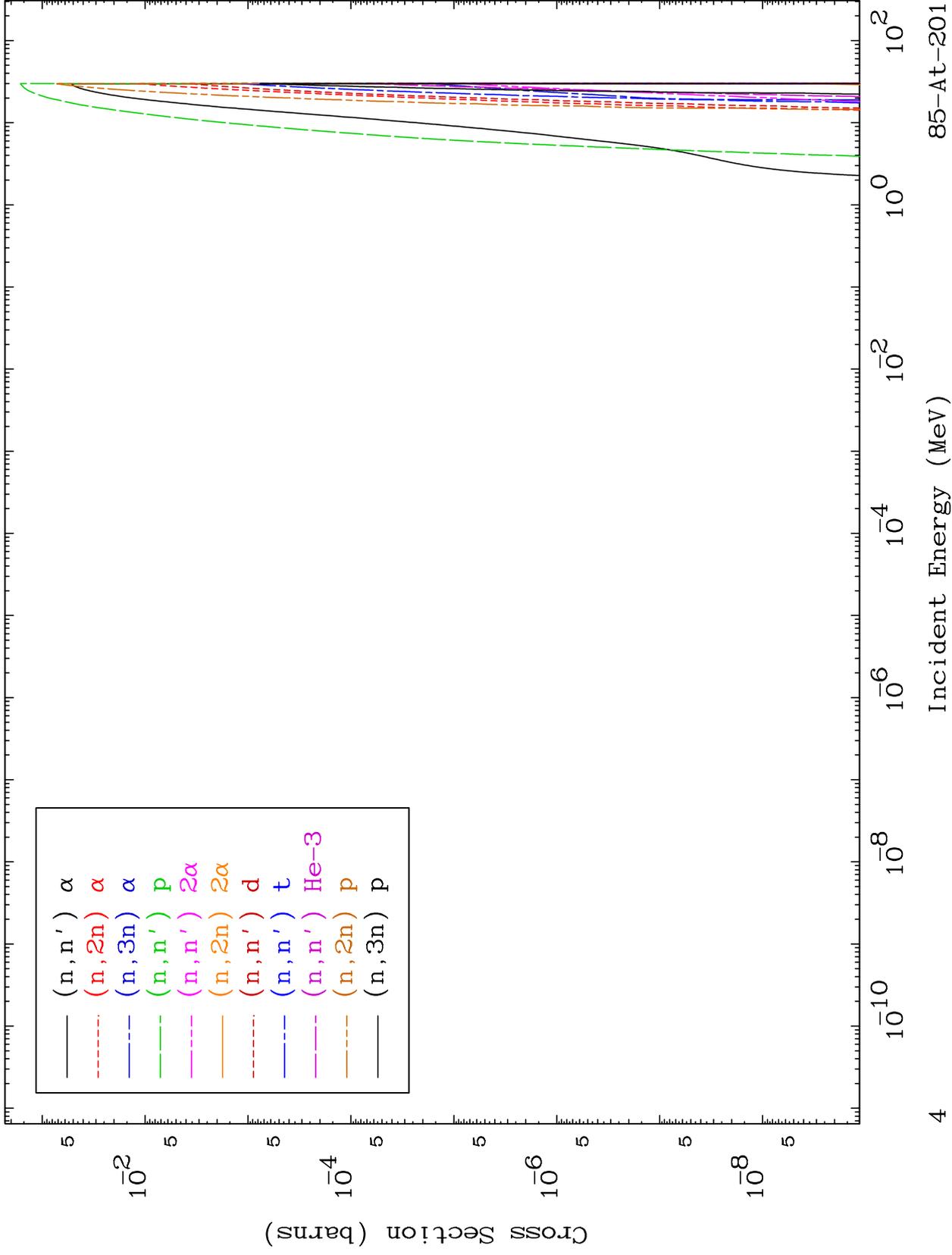
85-At-201



MAT 8519

Charged Particle
293 Kelvin Cross Sections

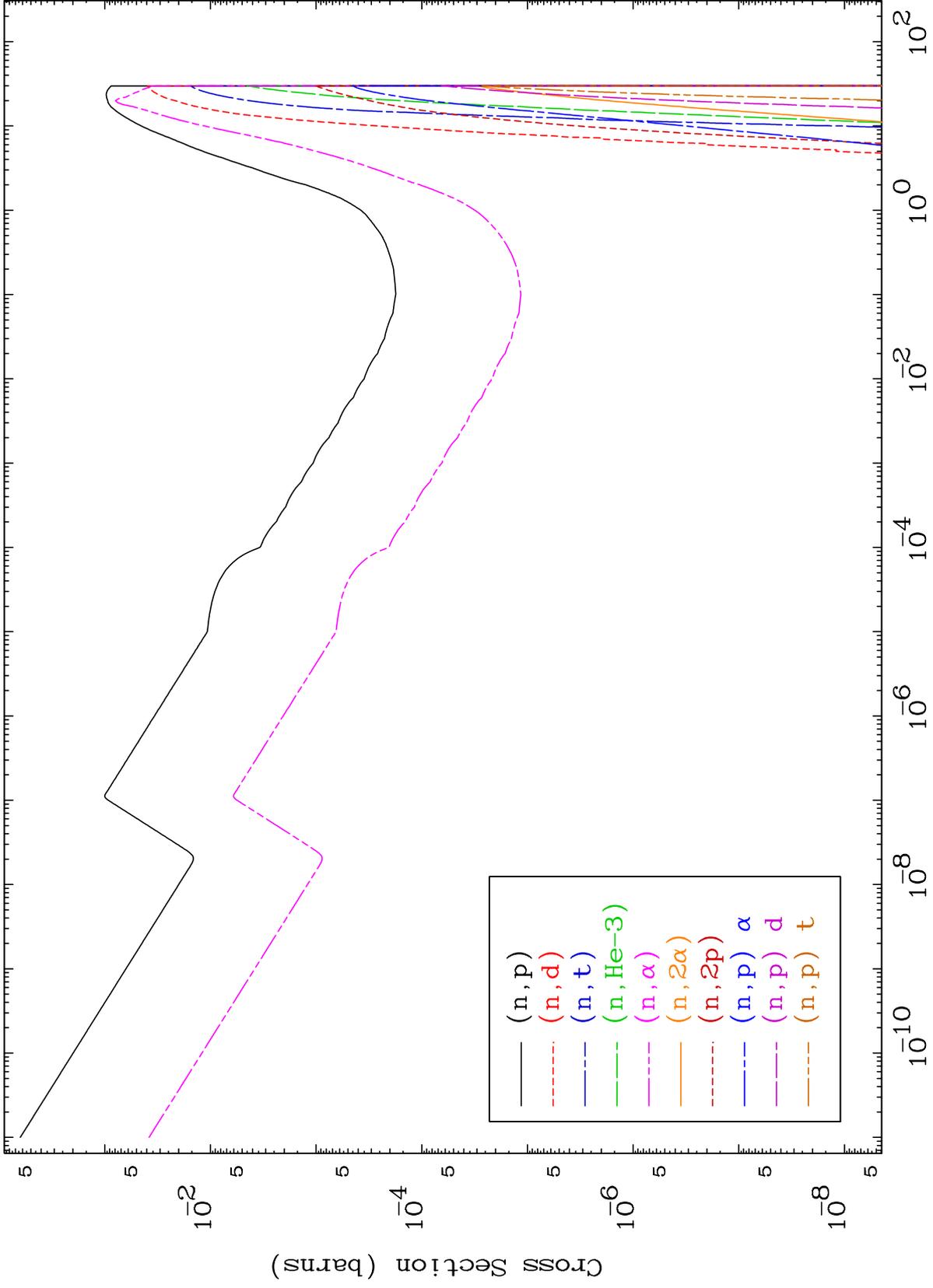
85-At-201



MAT 8519

Charged Particle
293 Kelvin Cross Sections

85-At-201



5

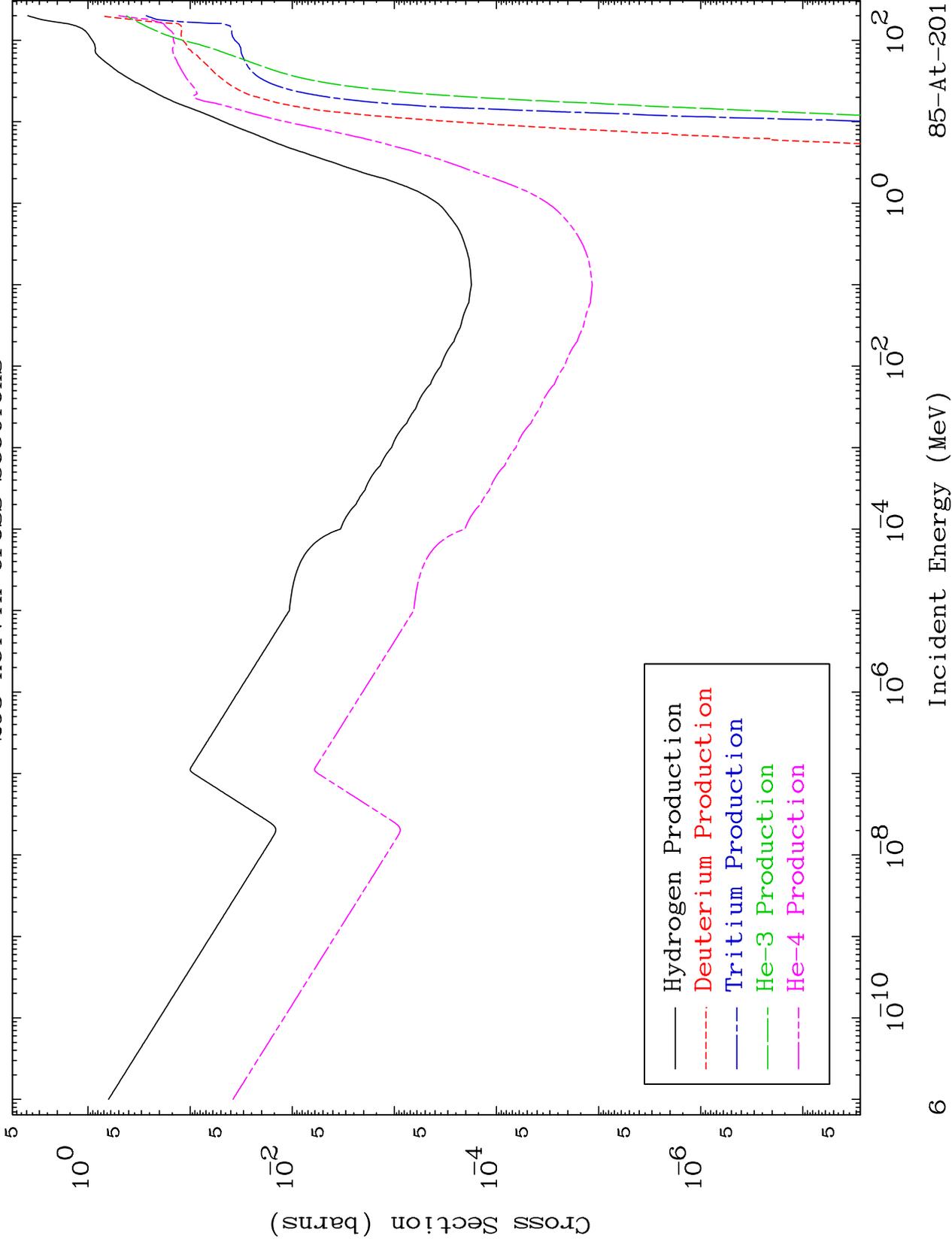
Incident Energy (MeV)

85-At-201

MAT 8519

Particle Production
293 Kelvin Cross Sections

85-At-201

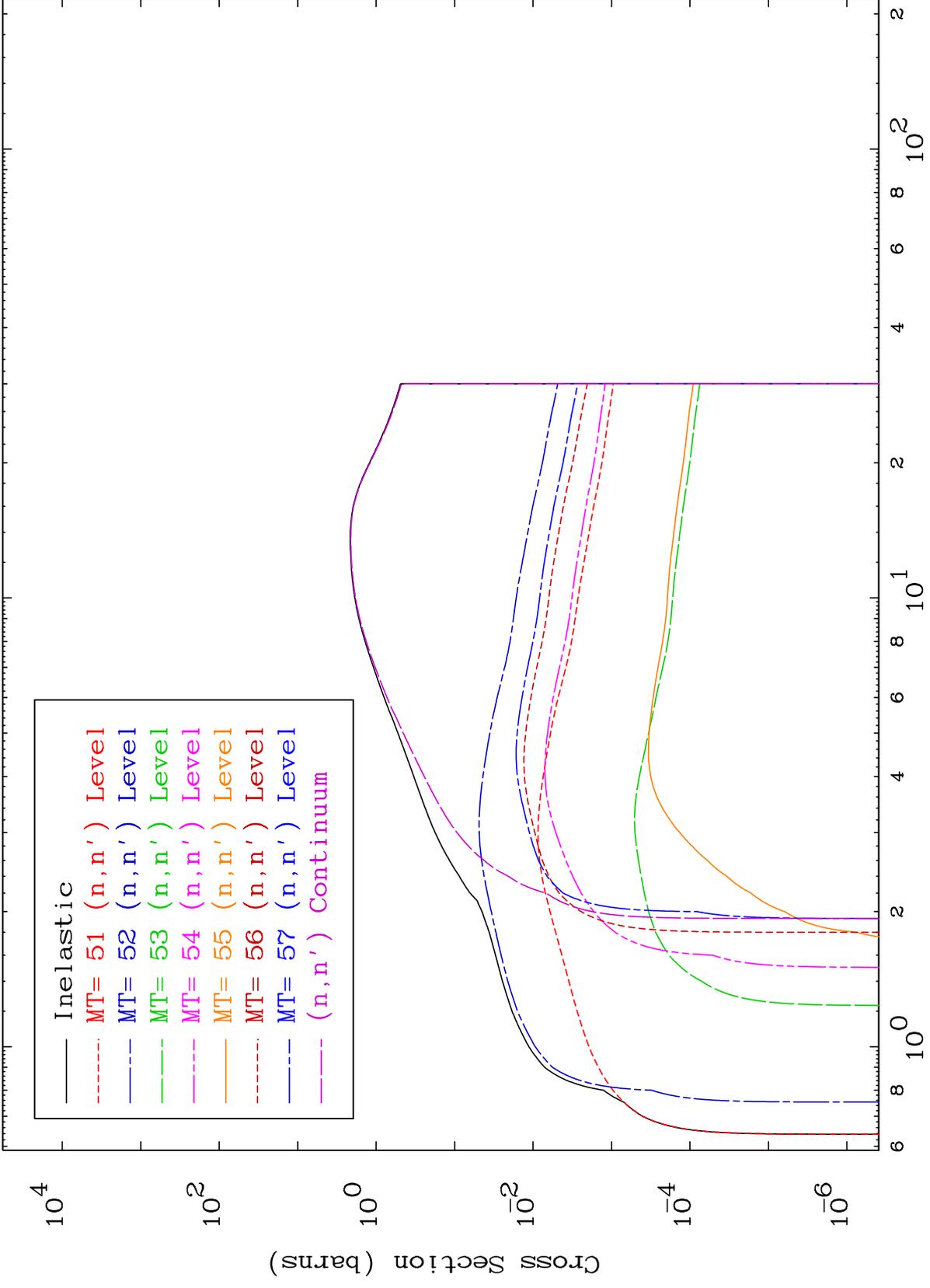


MAT 8519

(n,n') Level

85-At-201

293 Kelvin Cross Sections



7

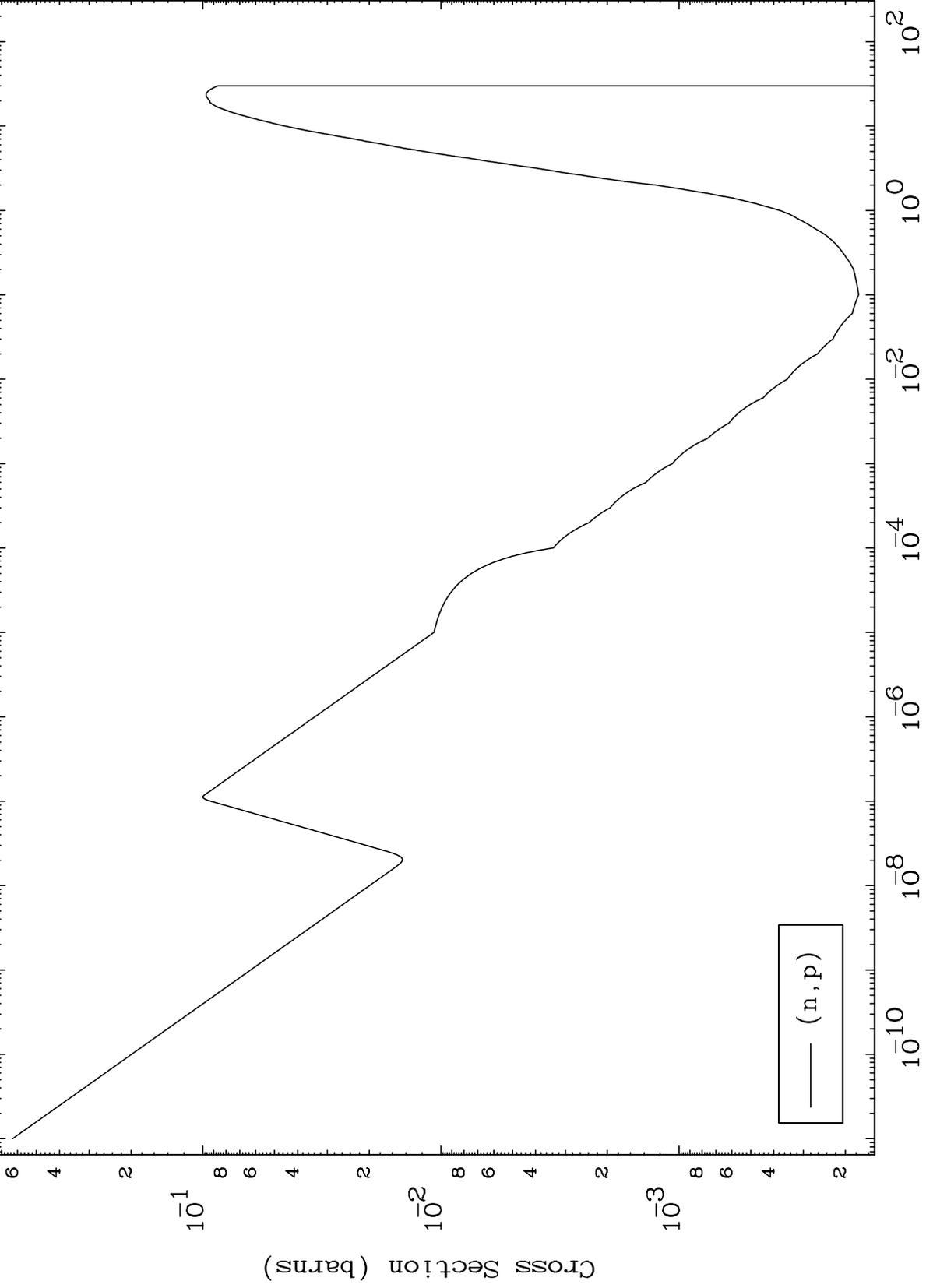
Incident Energy (MeV)

85-At-201

MAT 8519

(n,p) Levels
293 Kelvin Cross Sections

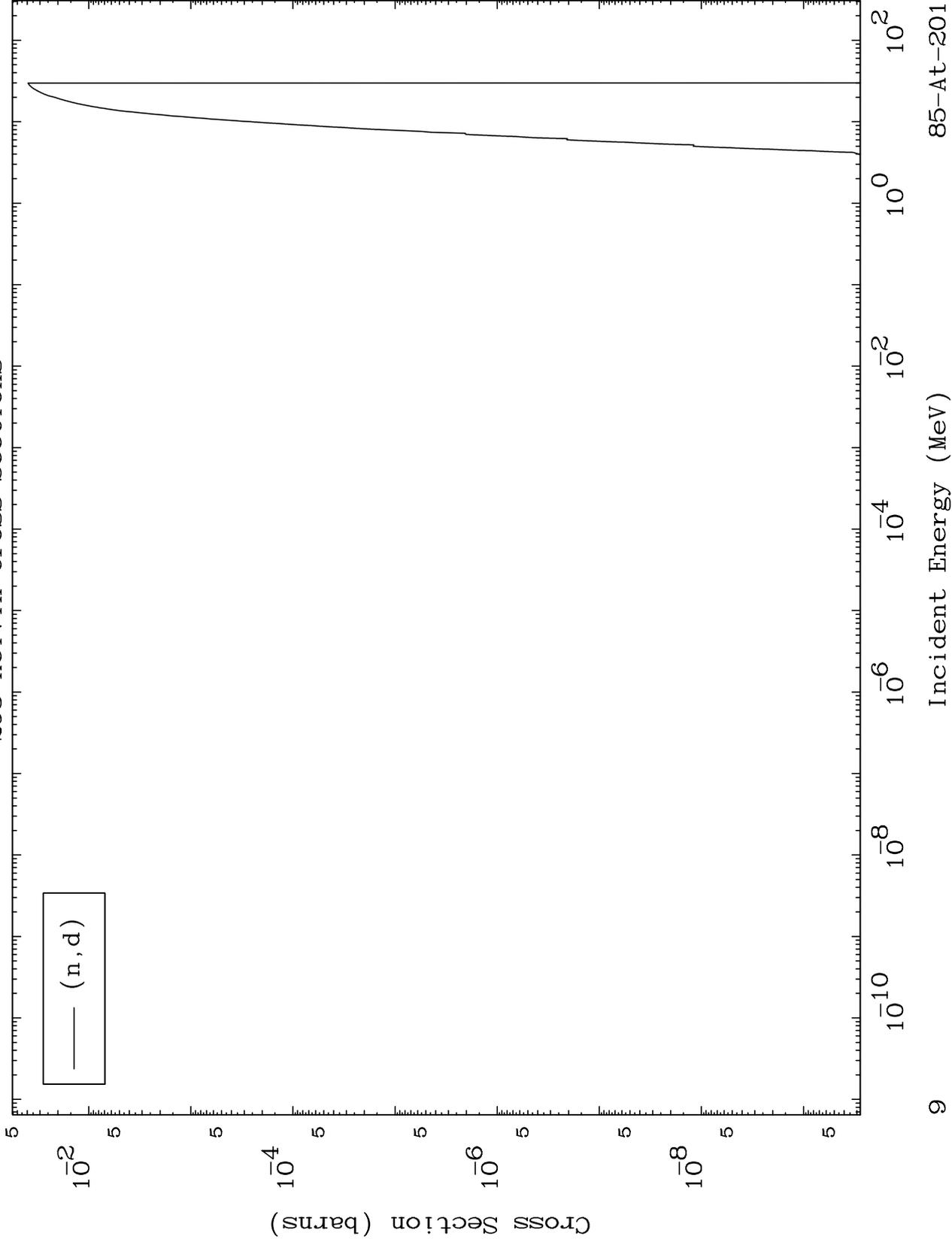
85-At-201



MAT 8519

(n,d) Levels
293 Kelvin Cross Sections

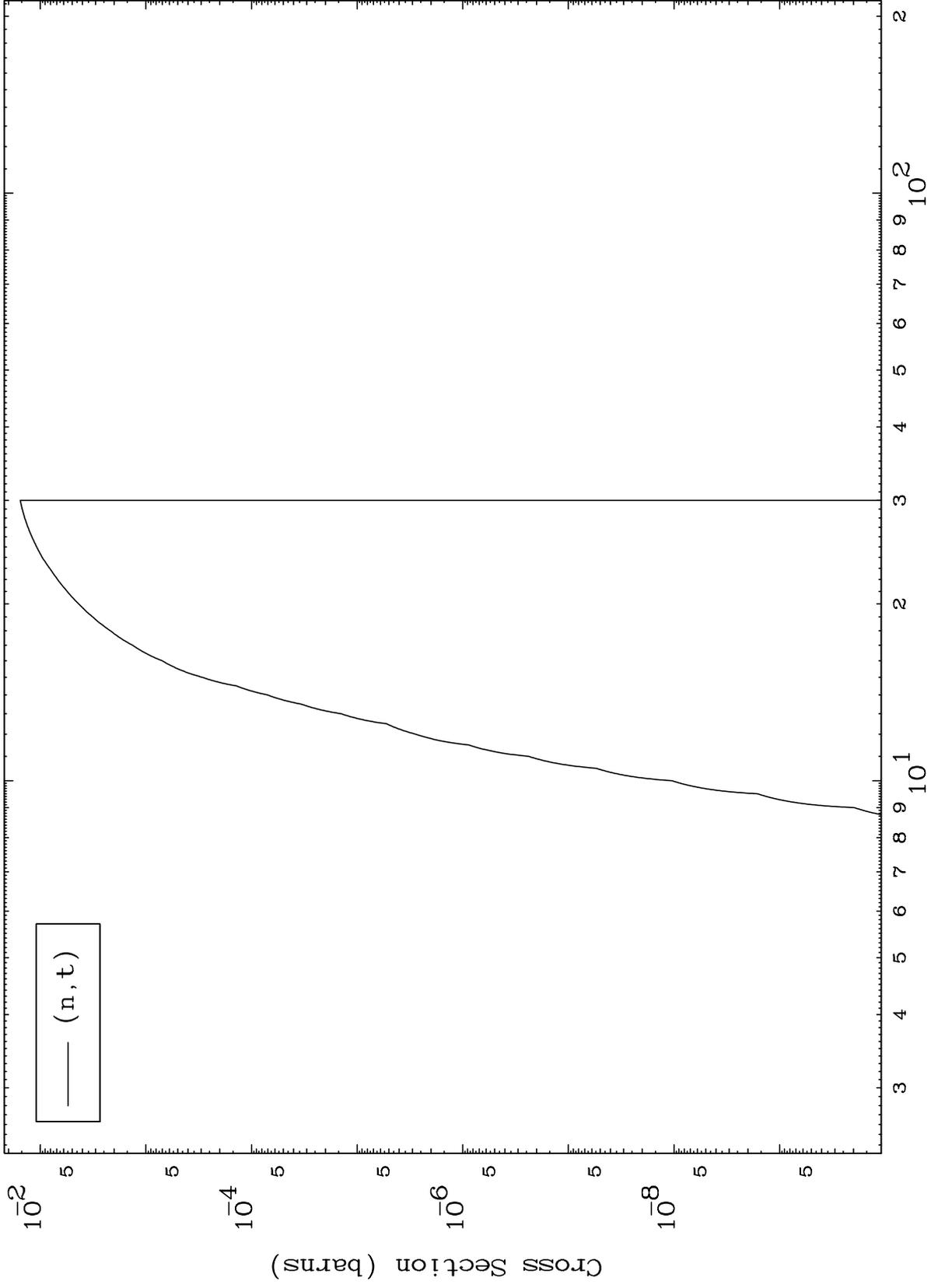
85-At-201



MAT 8519

(n,t) Levels
293 Kelvin Cross Sections

85-At-201



10

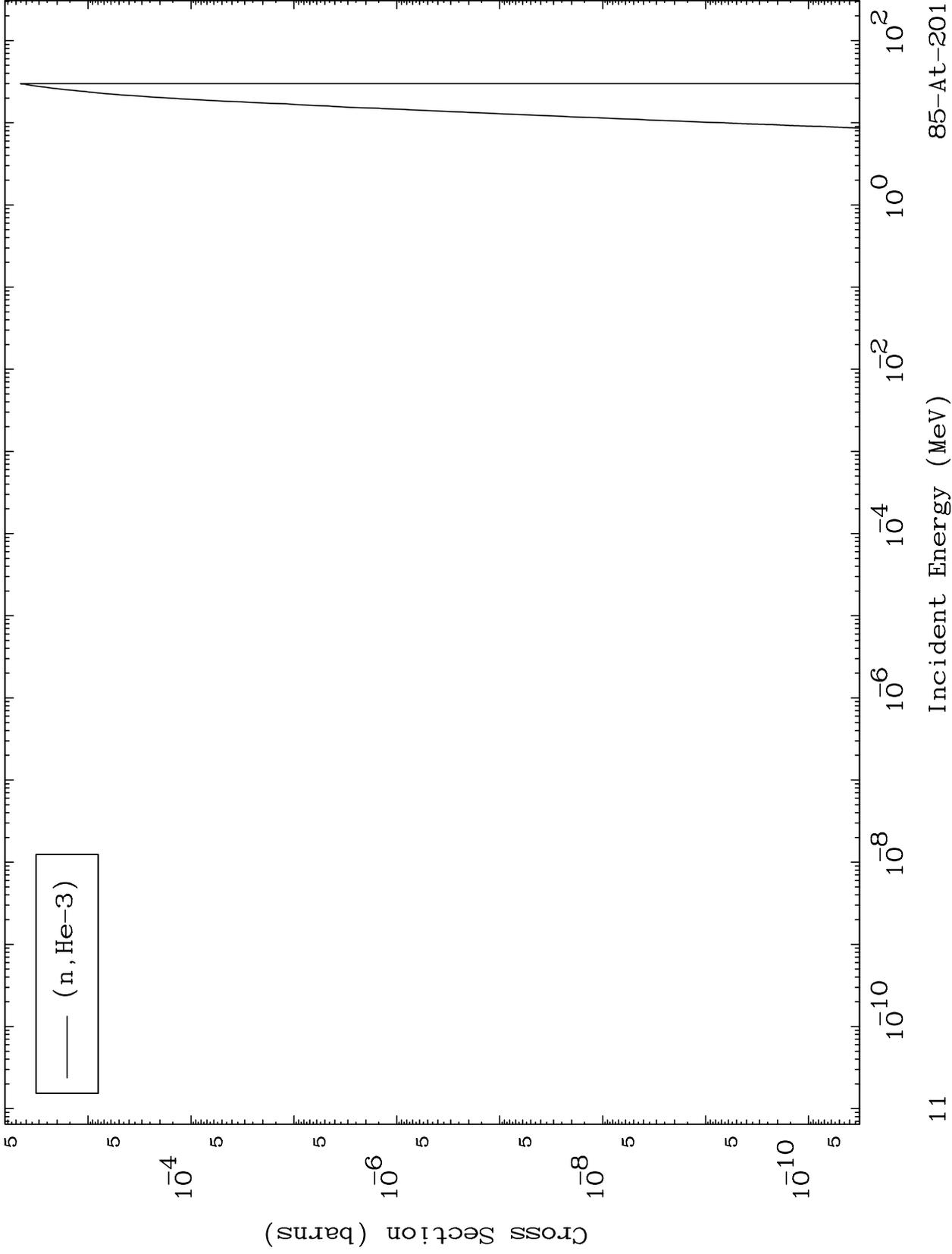
Incident Energy (MeV)

85-At-201

MAT 8519

(n,He3) Levels
293 Kelvin Cross Sections

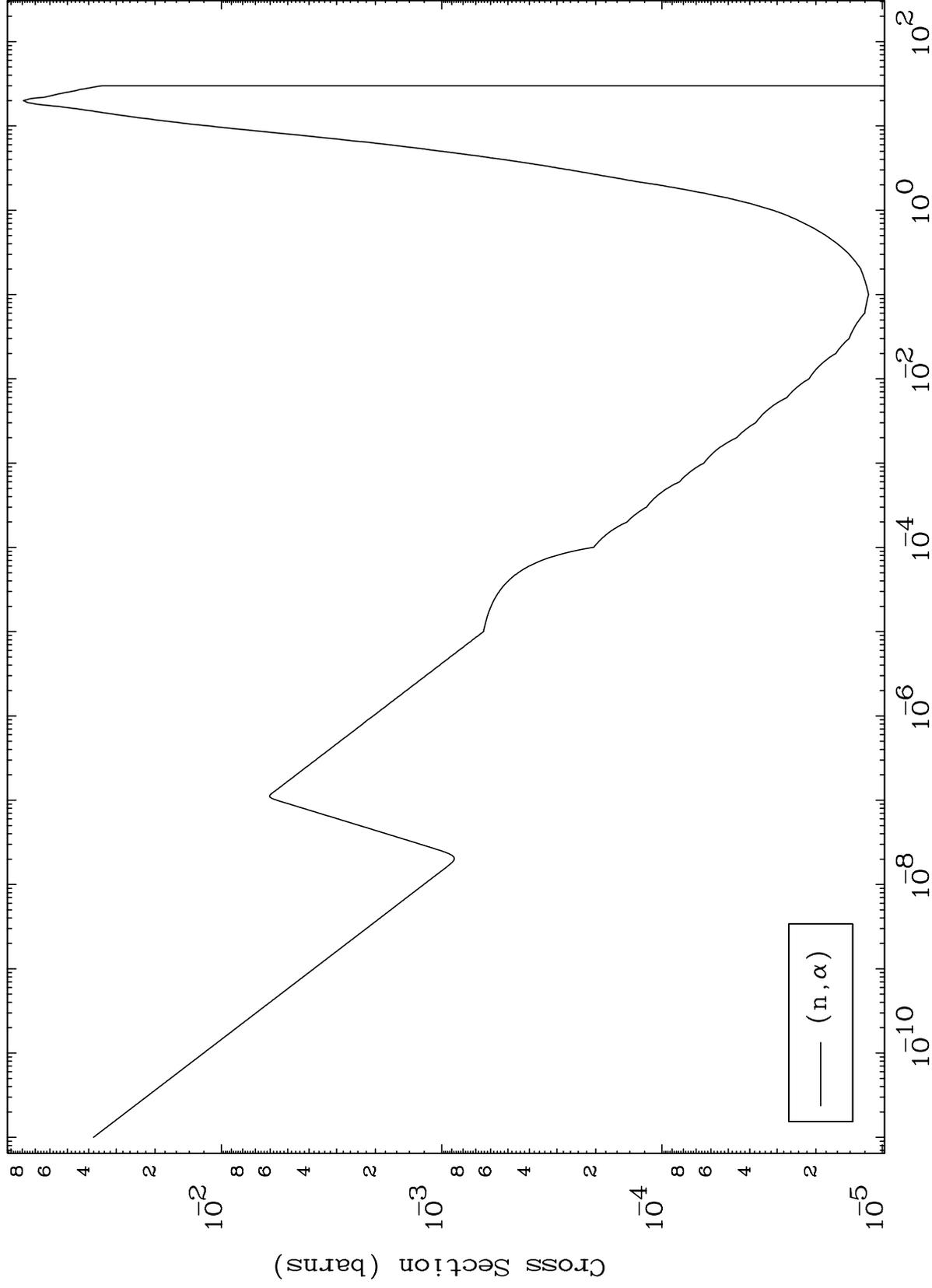
85-At-201



MAT 8519

(n,α) Levels
293 Kelvin Cross Sections

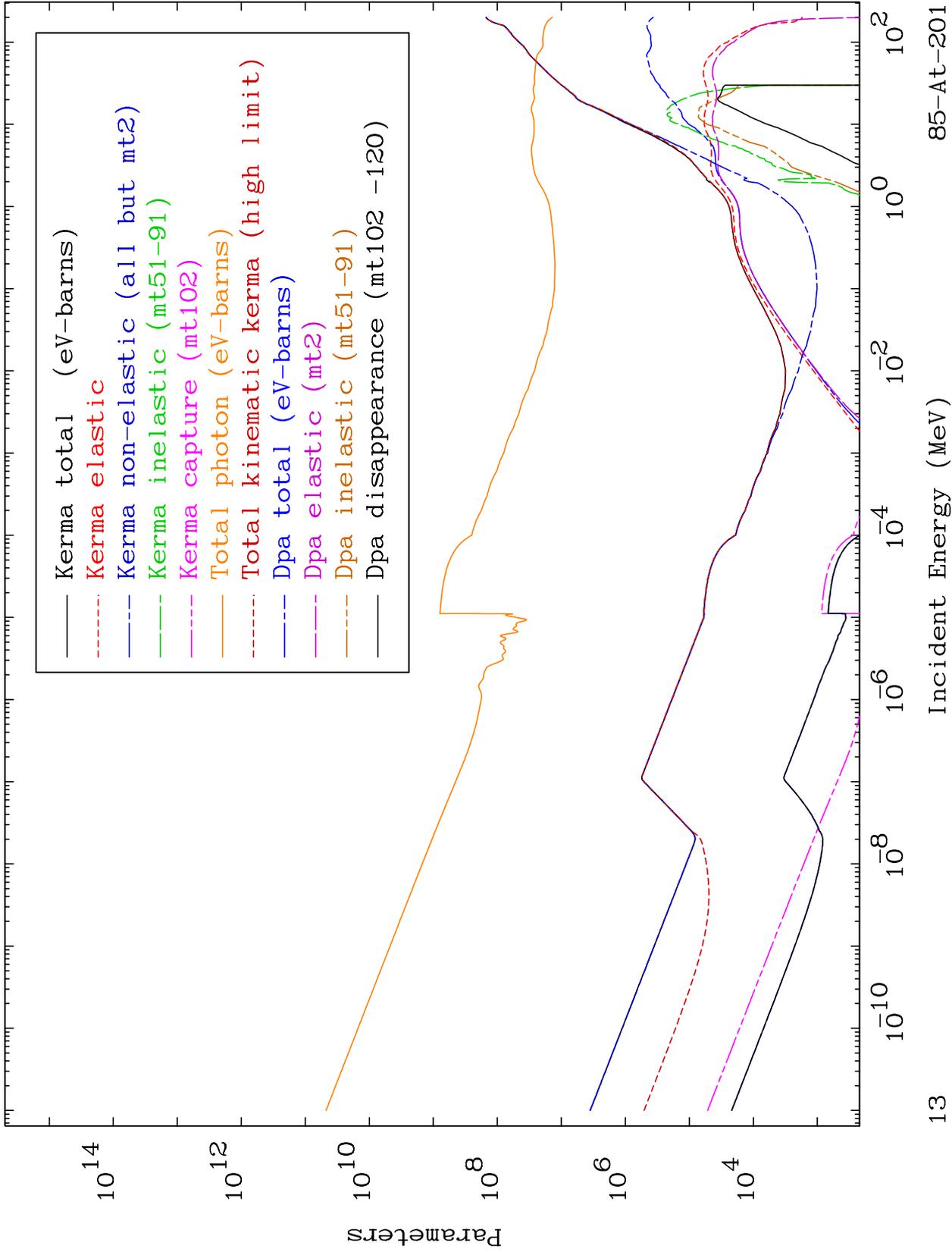
85-At-201



12

Incident Energy (MeV)

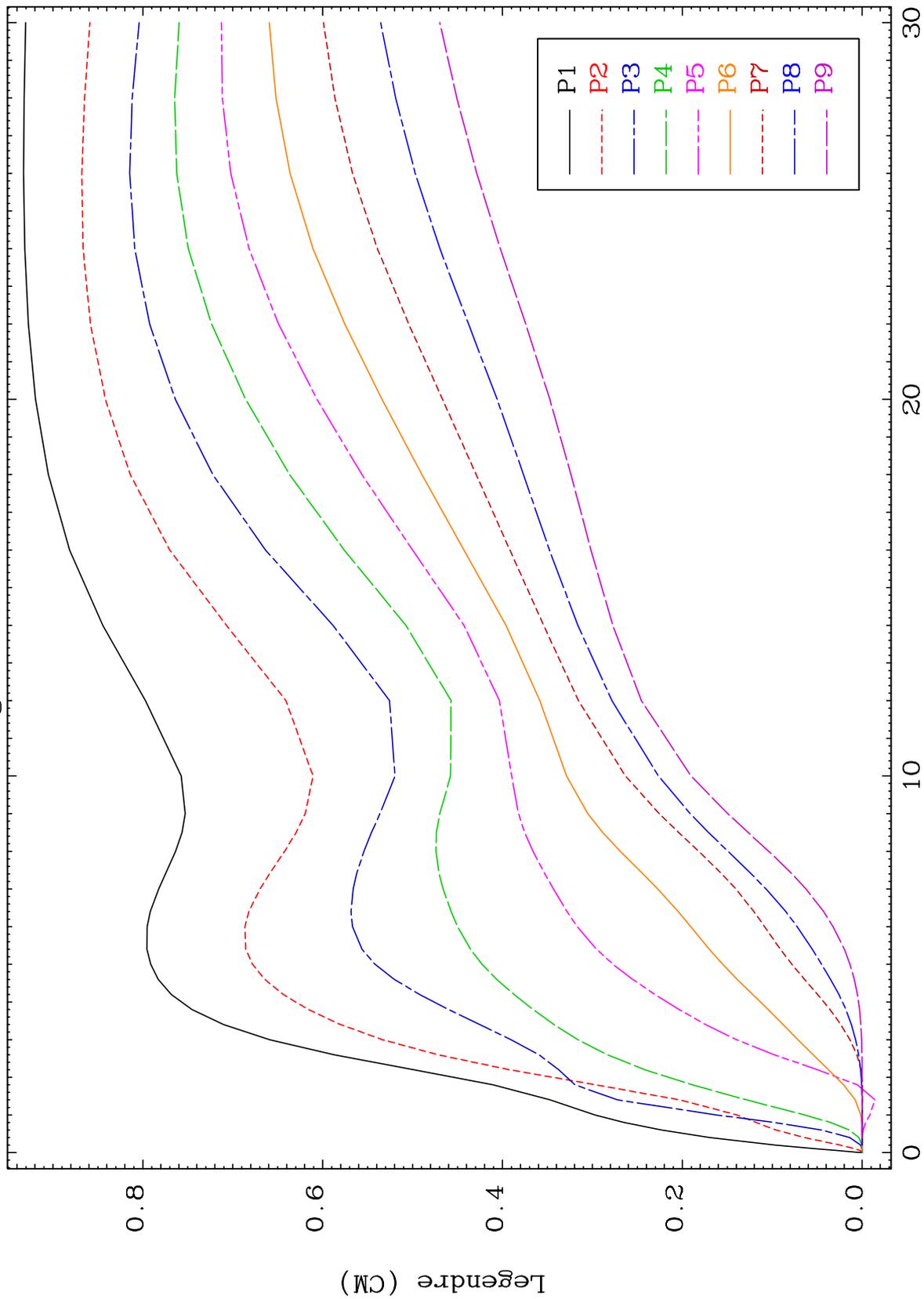
85-At-201



MAT 8519

Elastic Legendre Coefficients

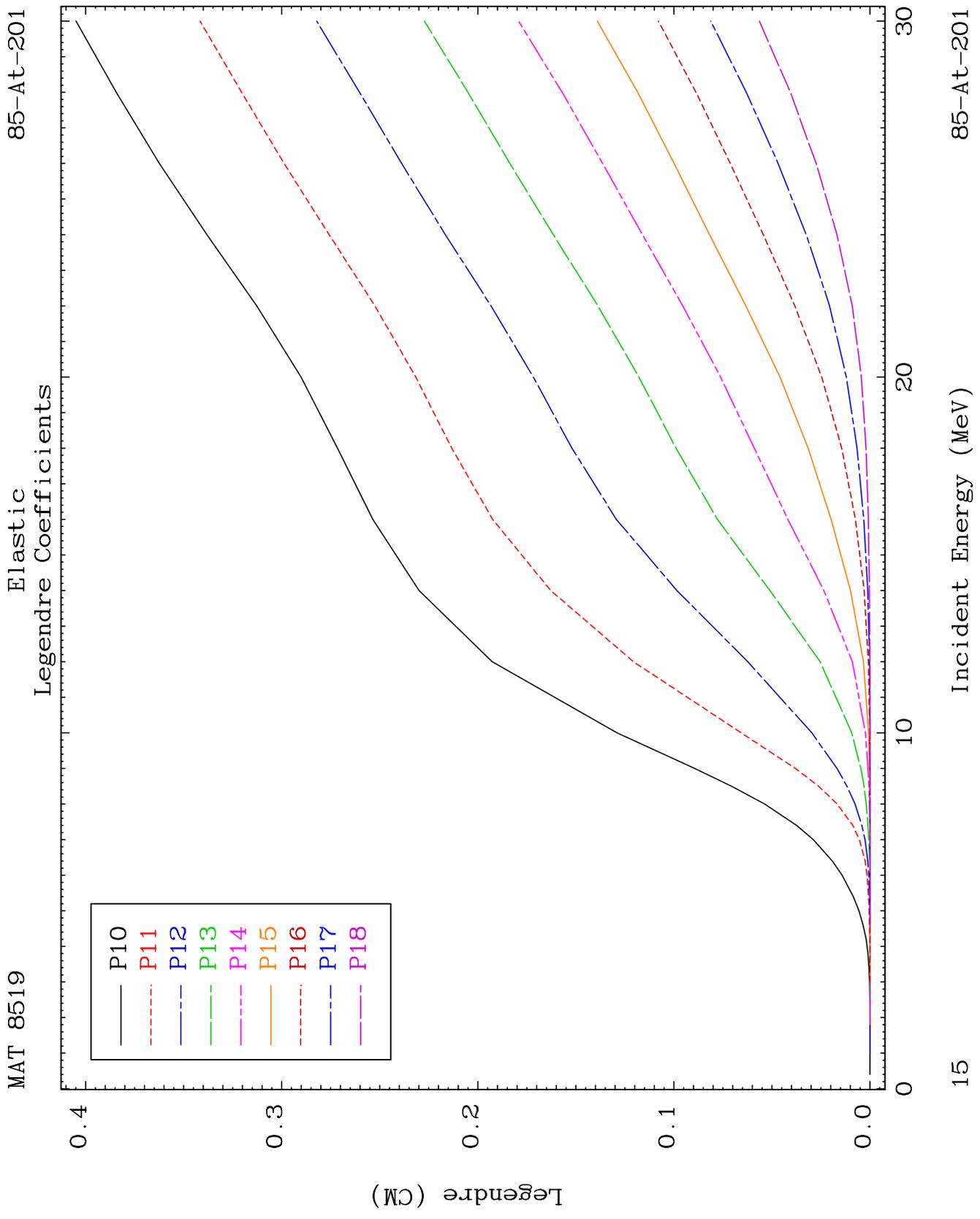
85-At-201



14

Incident Energy (MeV)

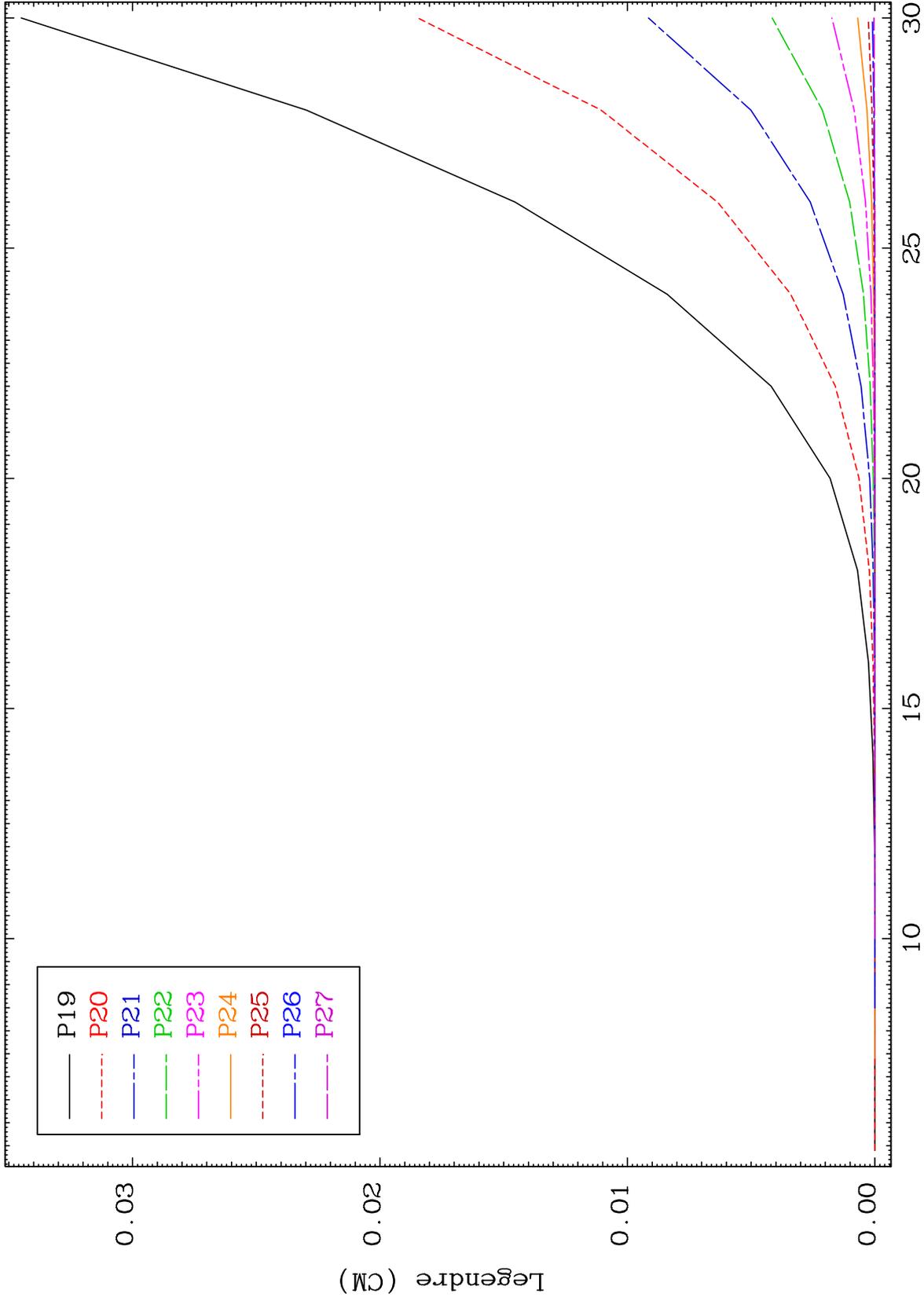
85-At-201



MAT 8519

Elastic Legendre Coefficients

85-At-201



16

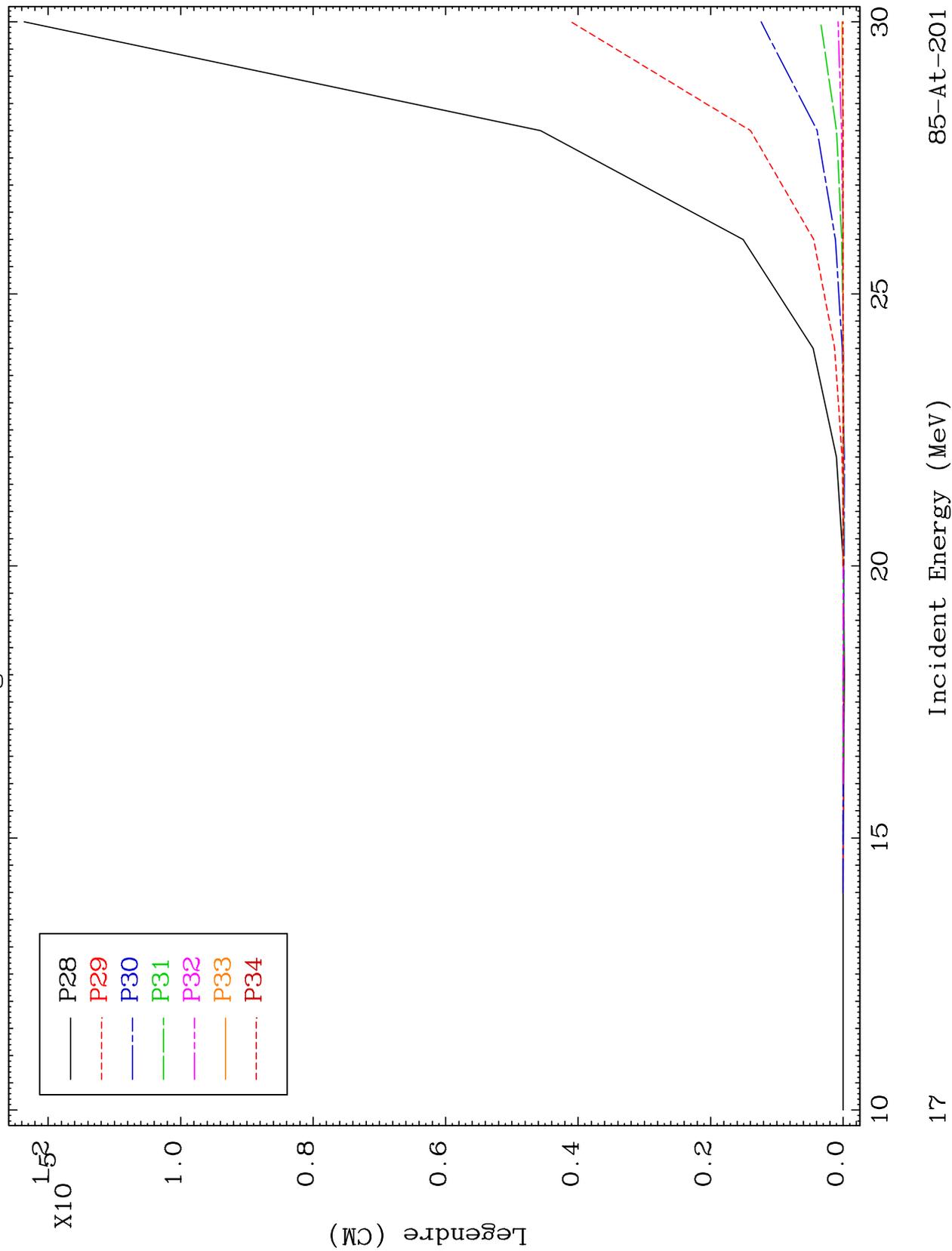
Incident Energy (MeV)

85-At-201

MAT 8519

Elastic Legendre Coefficients

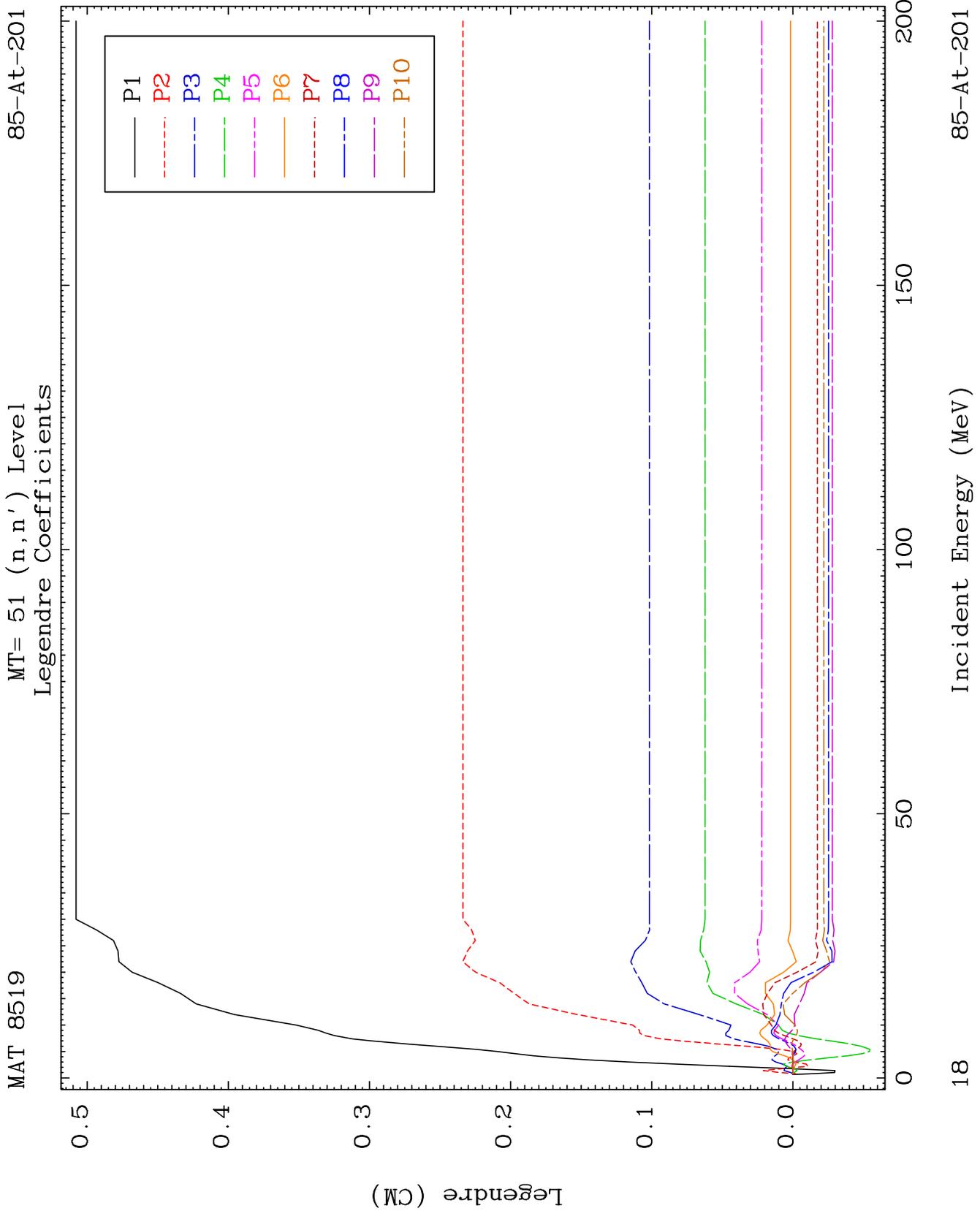
85-At-201



17

Incident Energy (MeV)

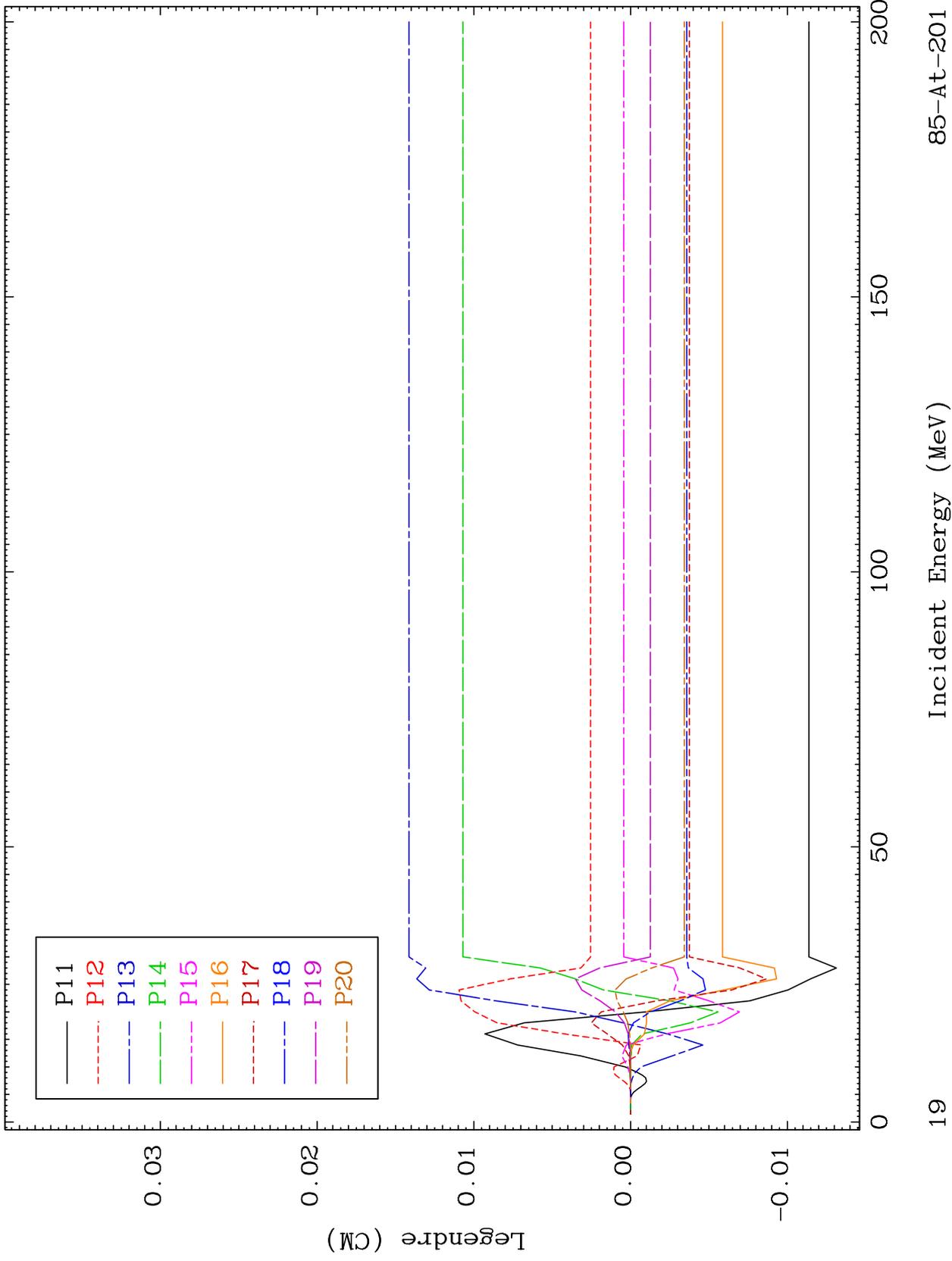
85-At-201



MAT 8519

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

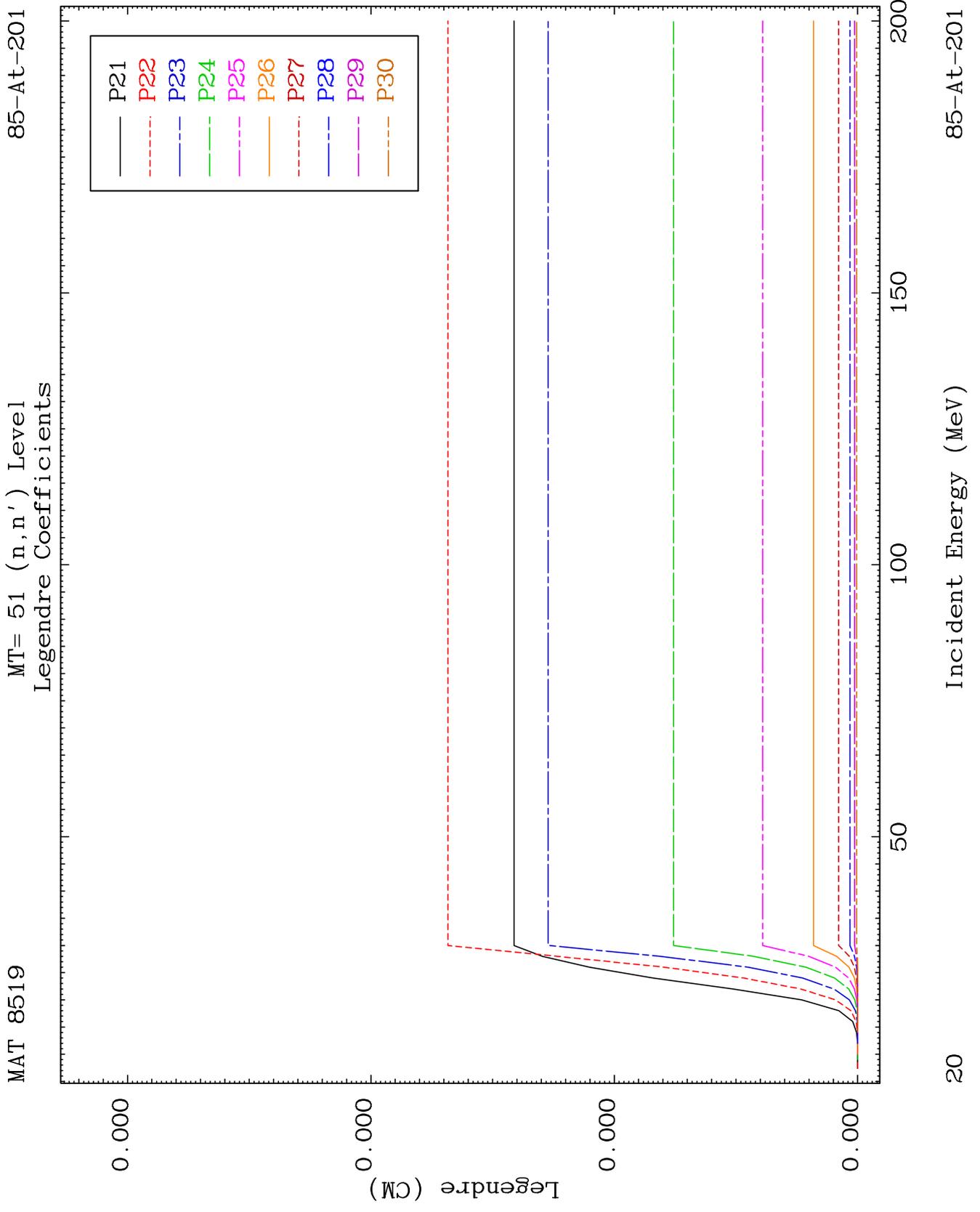
85-At-201



19

Incident Energy (MeV)

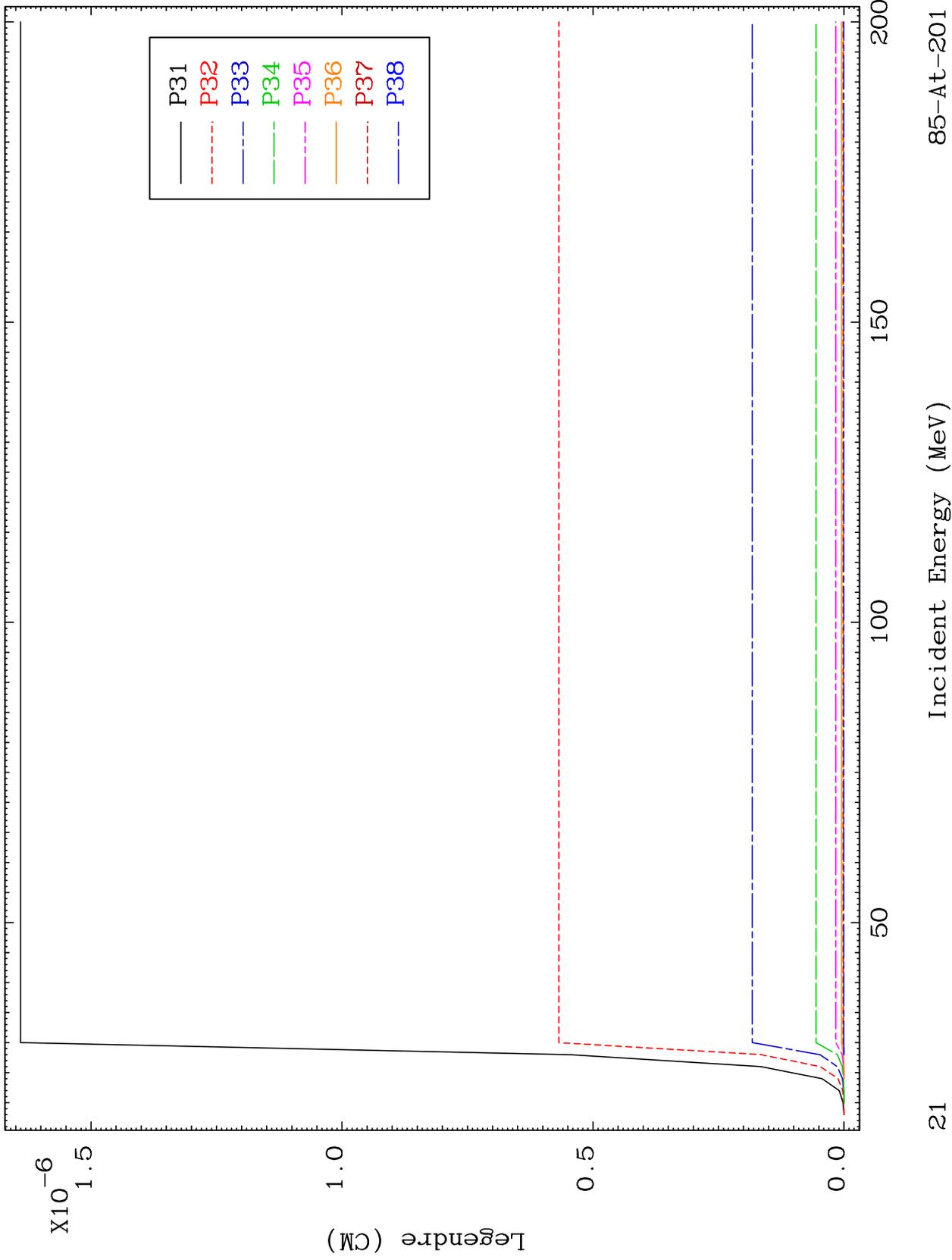
85-At-201



MAT 8519

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

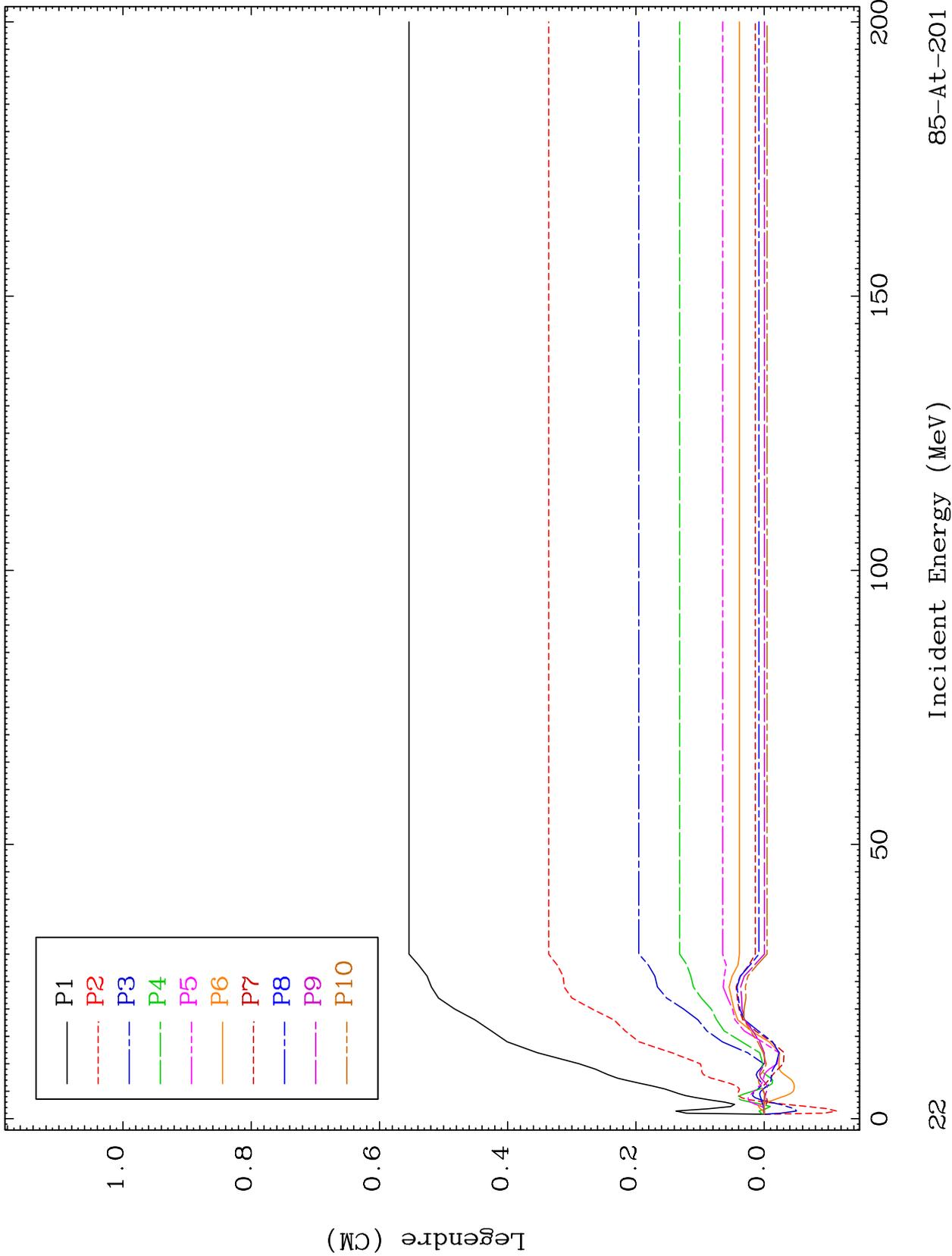
85-At-201



MAT 8519

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

85-At-201



22

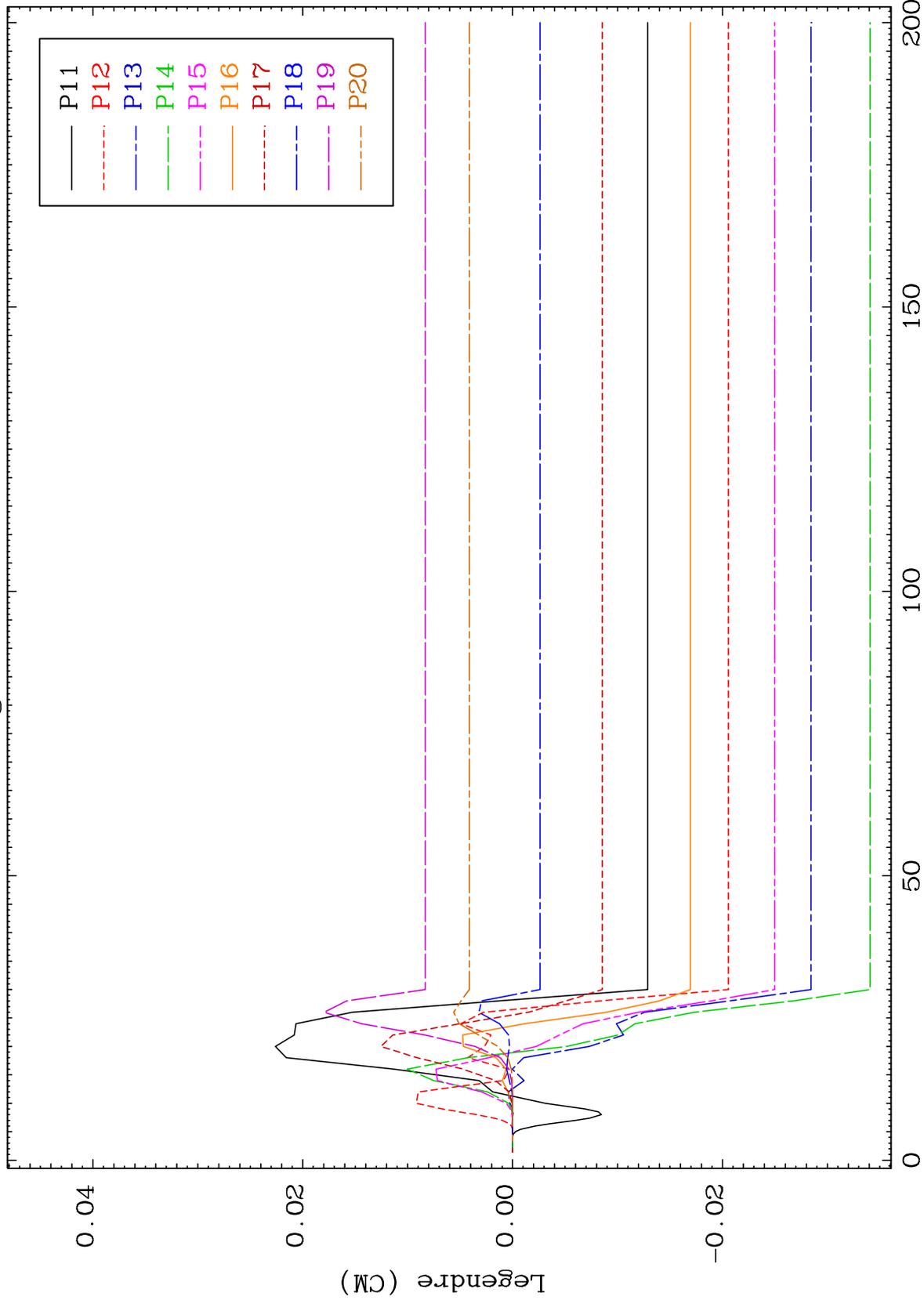
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



23

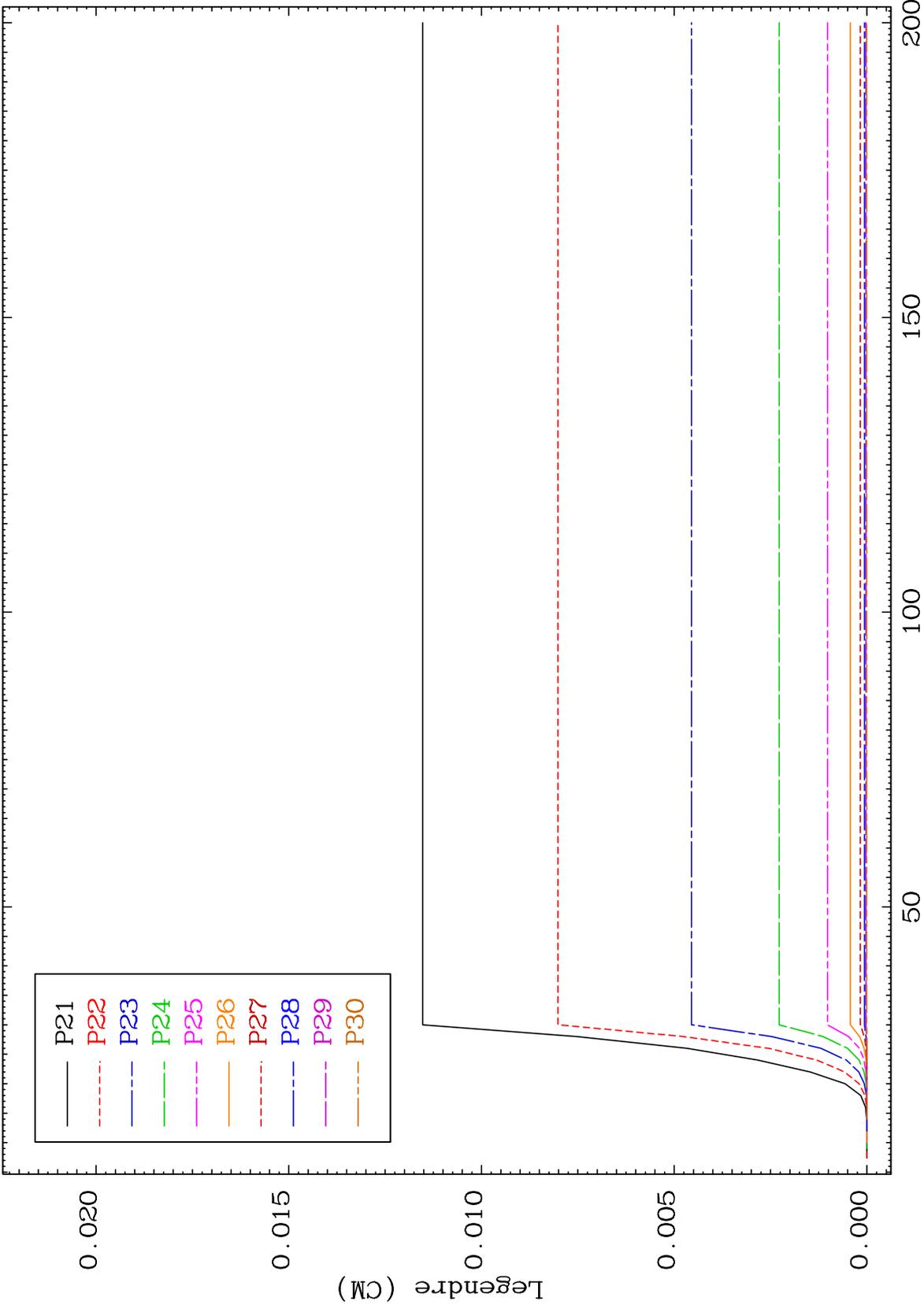
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



24

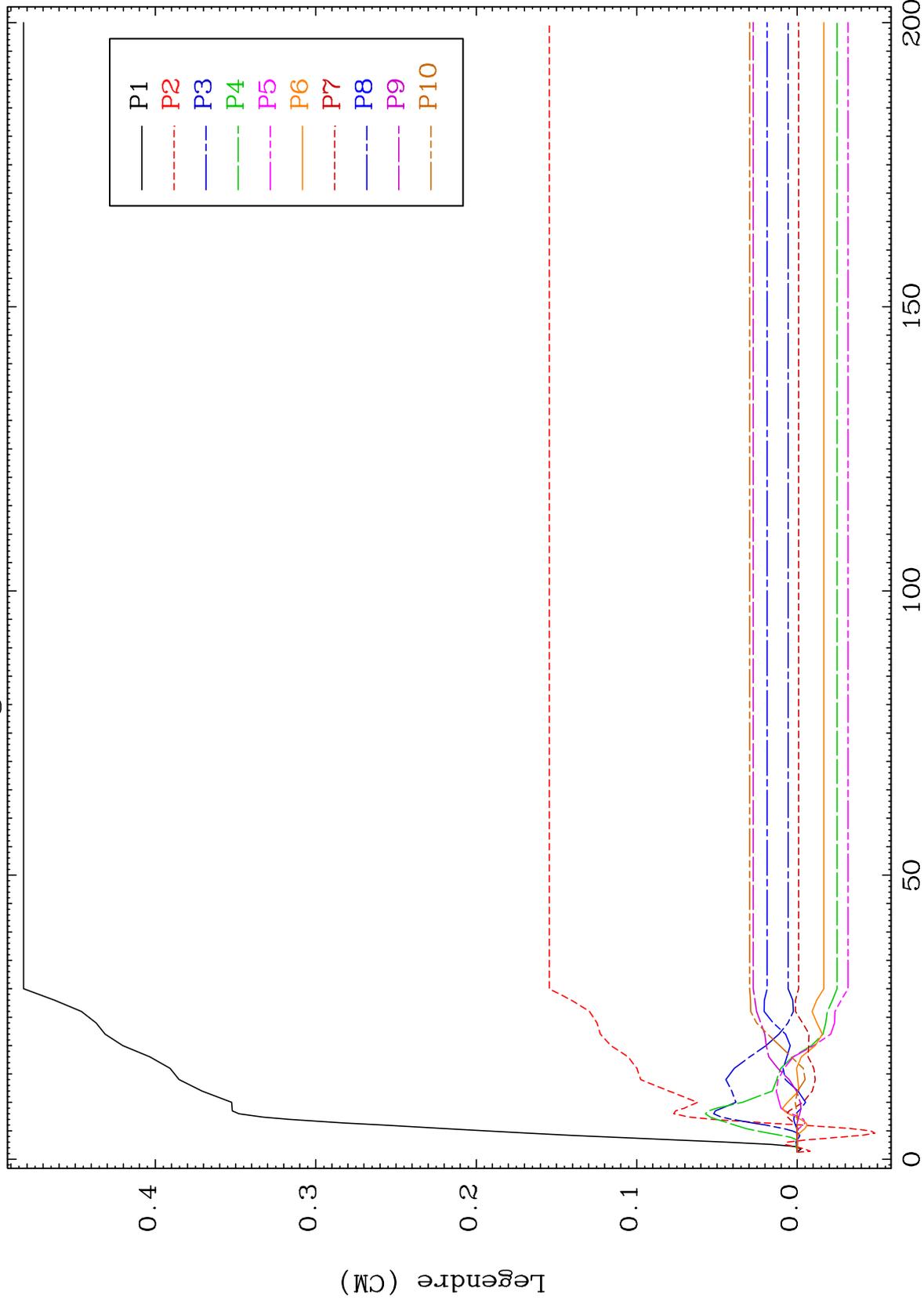
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



26

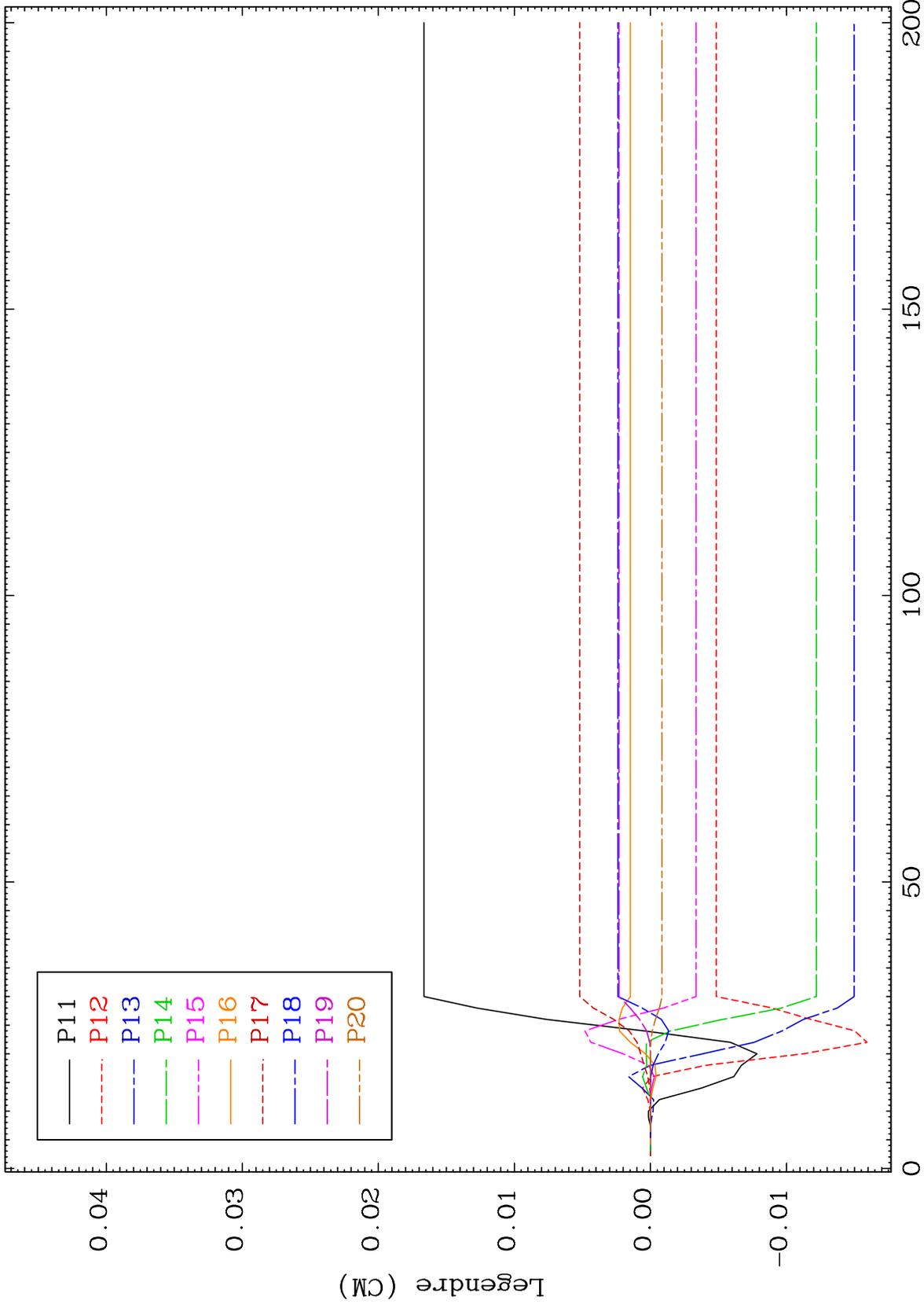
Incident Energy (MeV)

85-At-201

MAT 8519

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

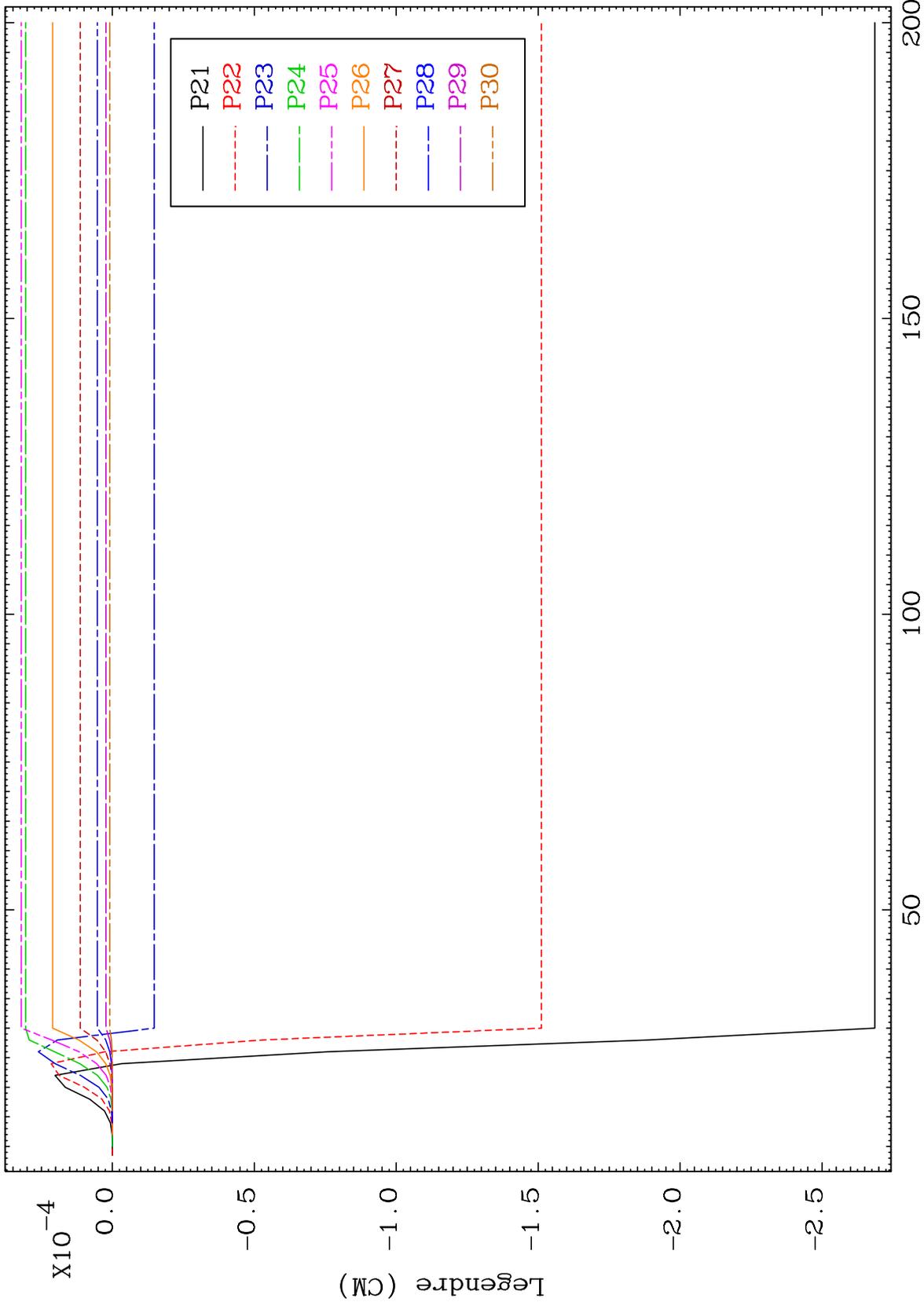
85-At-201



27

Incident Energy (MeV)

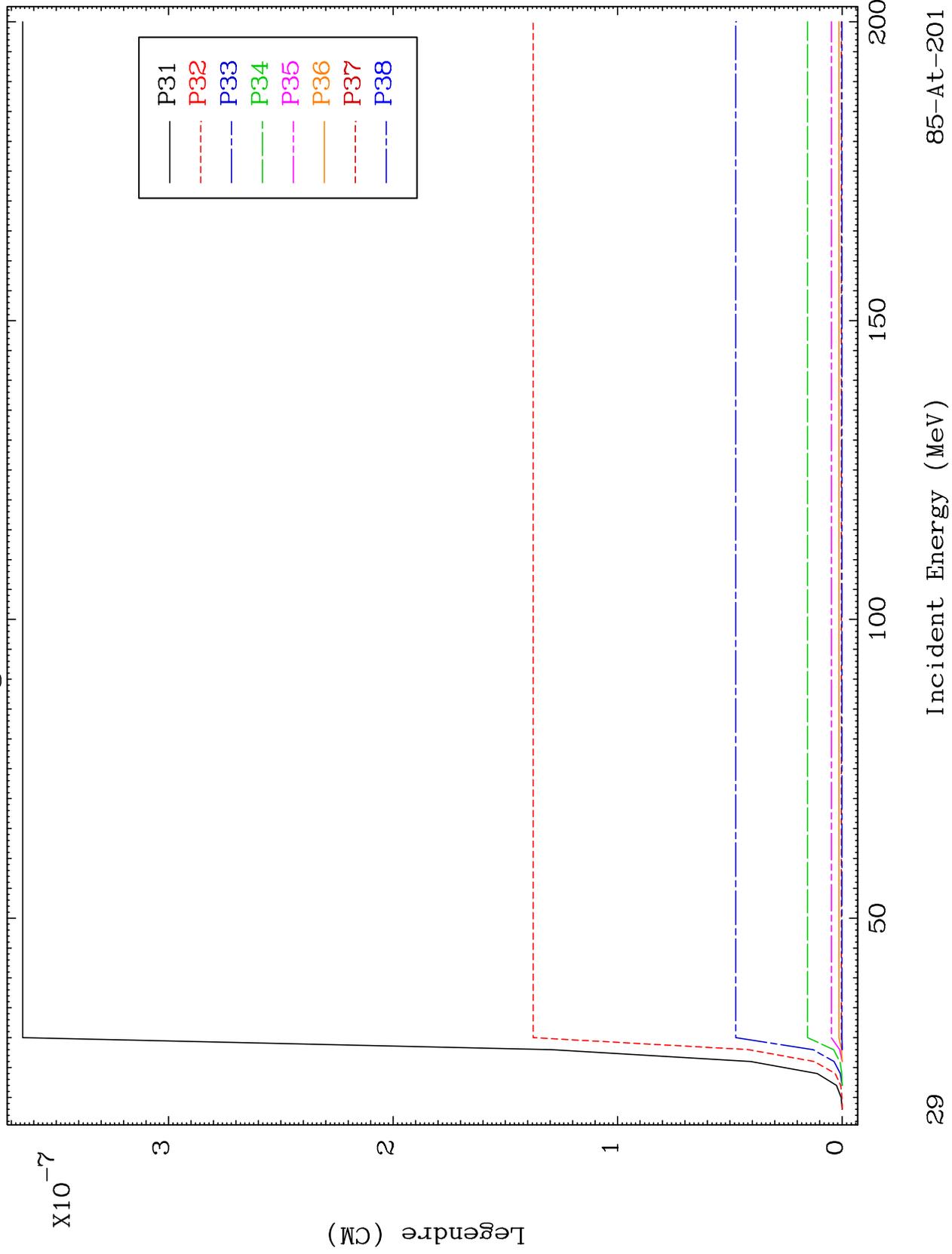
85-At-201

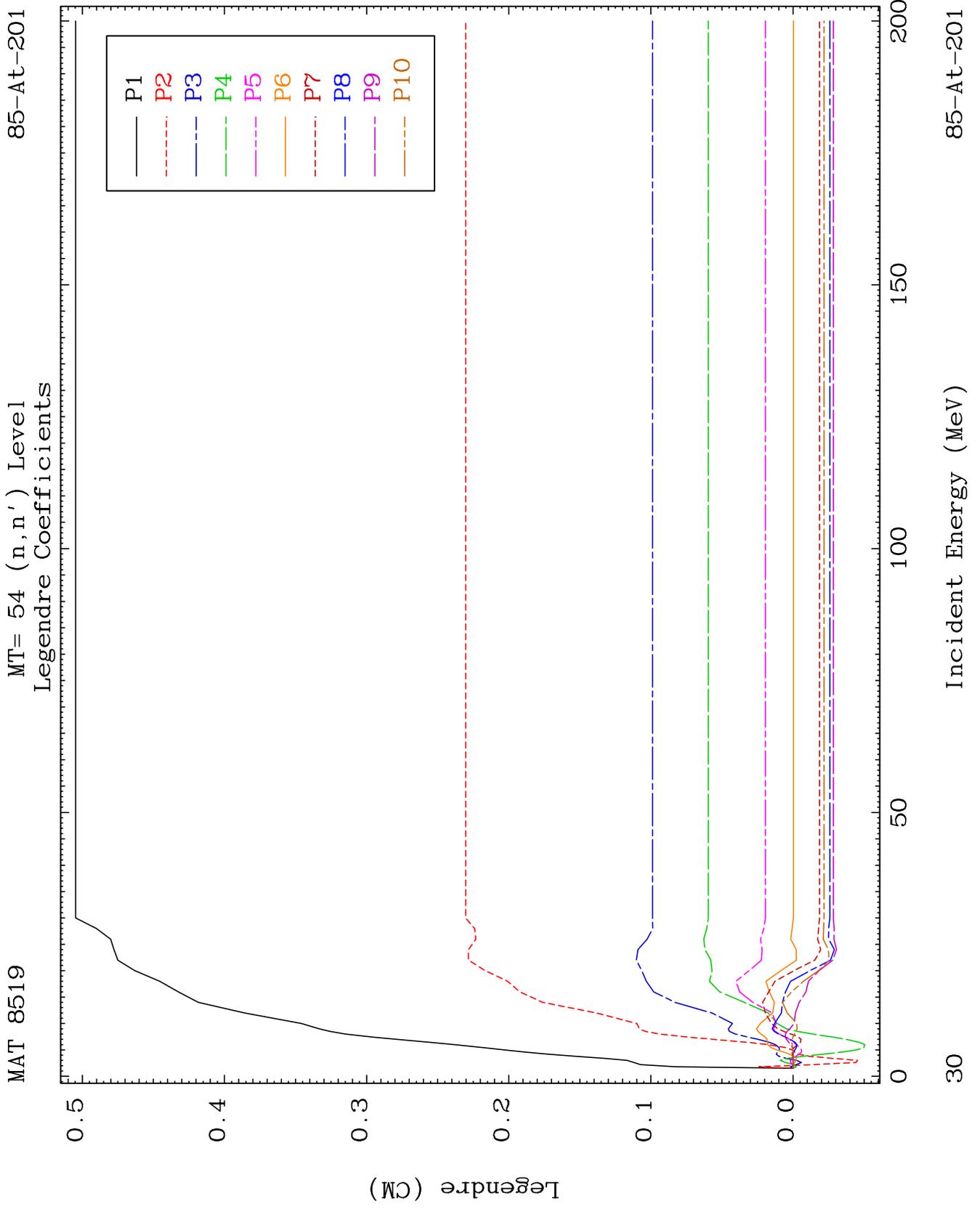


MAT 8519

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

85-At-201

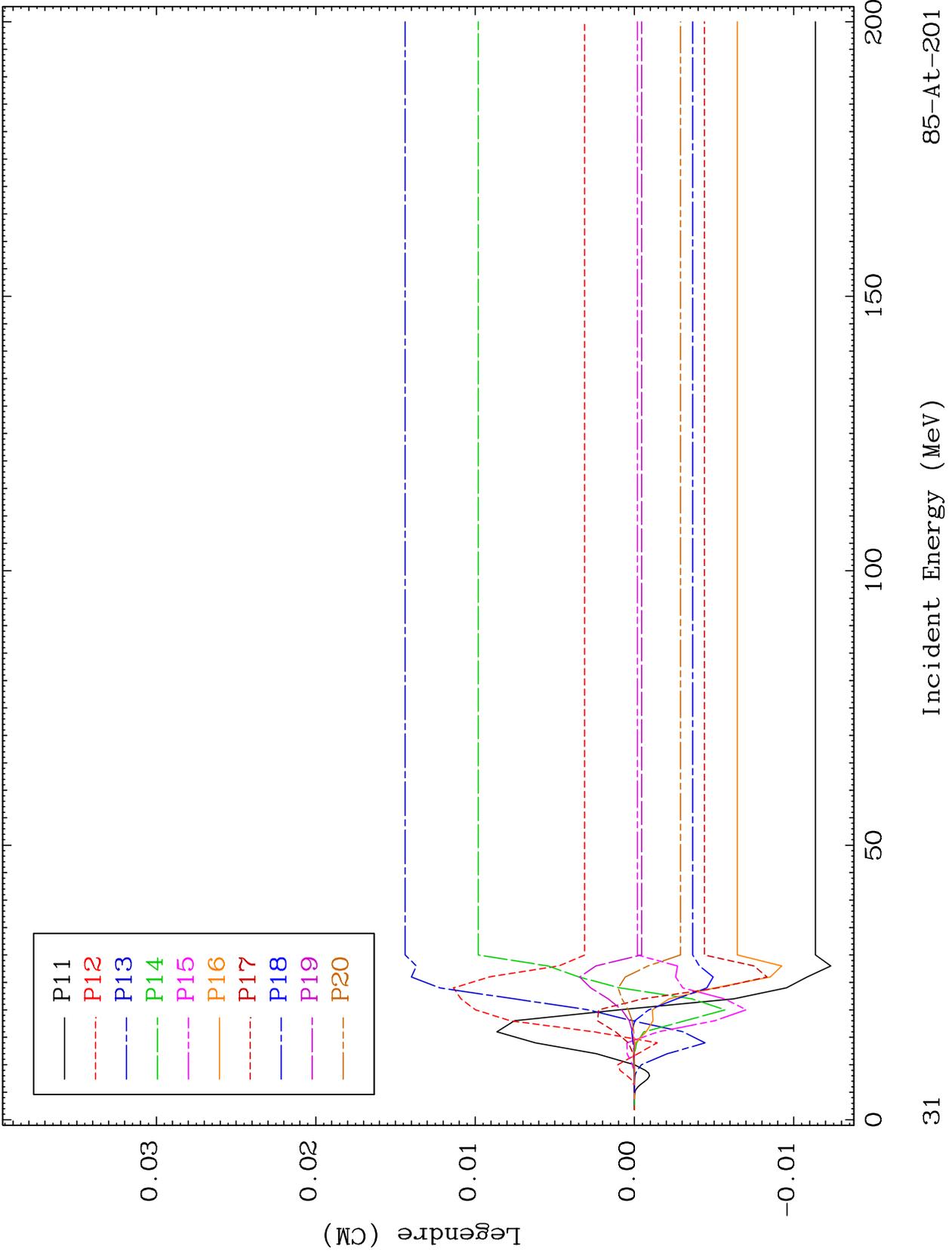




MAT 8519

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

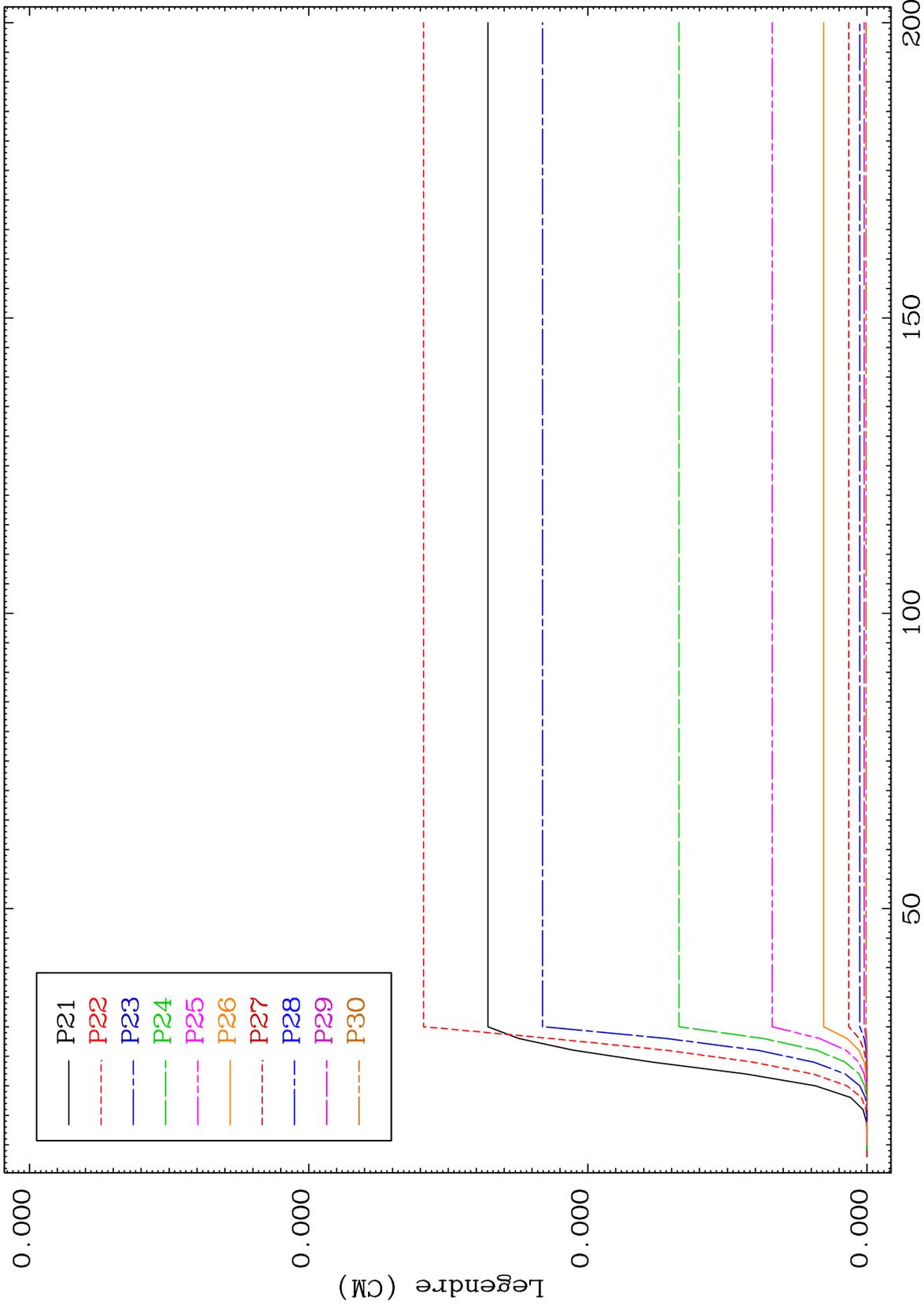
85-At-201



MAT 8519

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

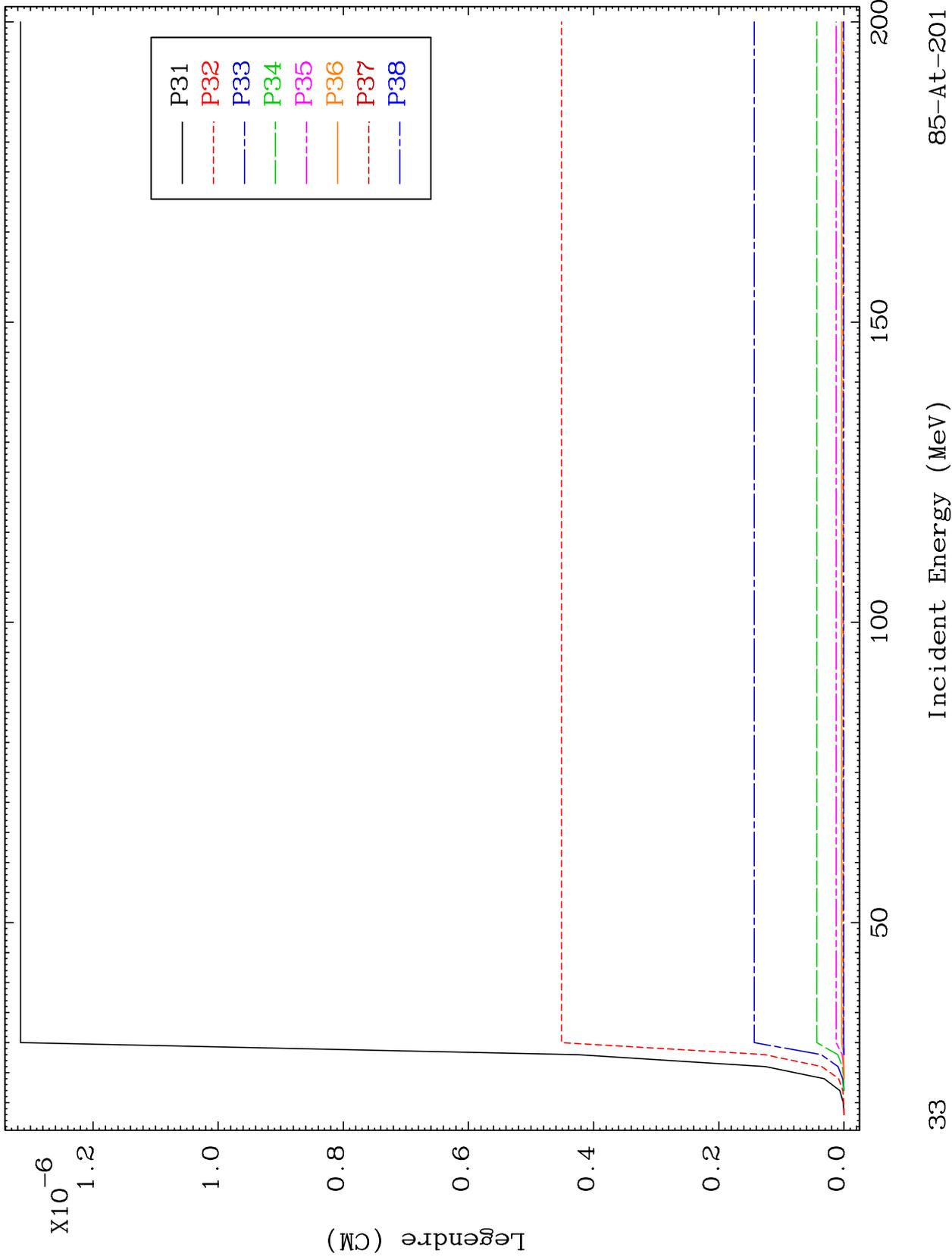
85-At-201



32

Incident Energy (MeV)

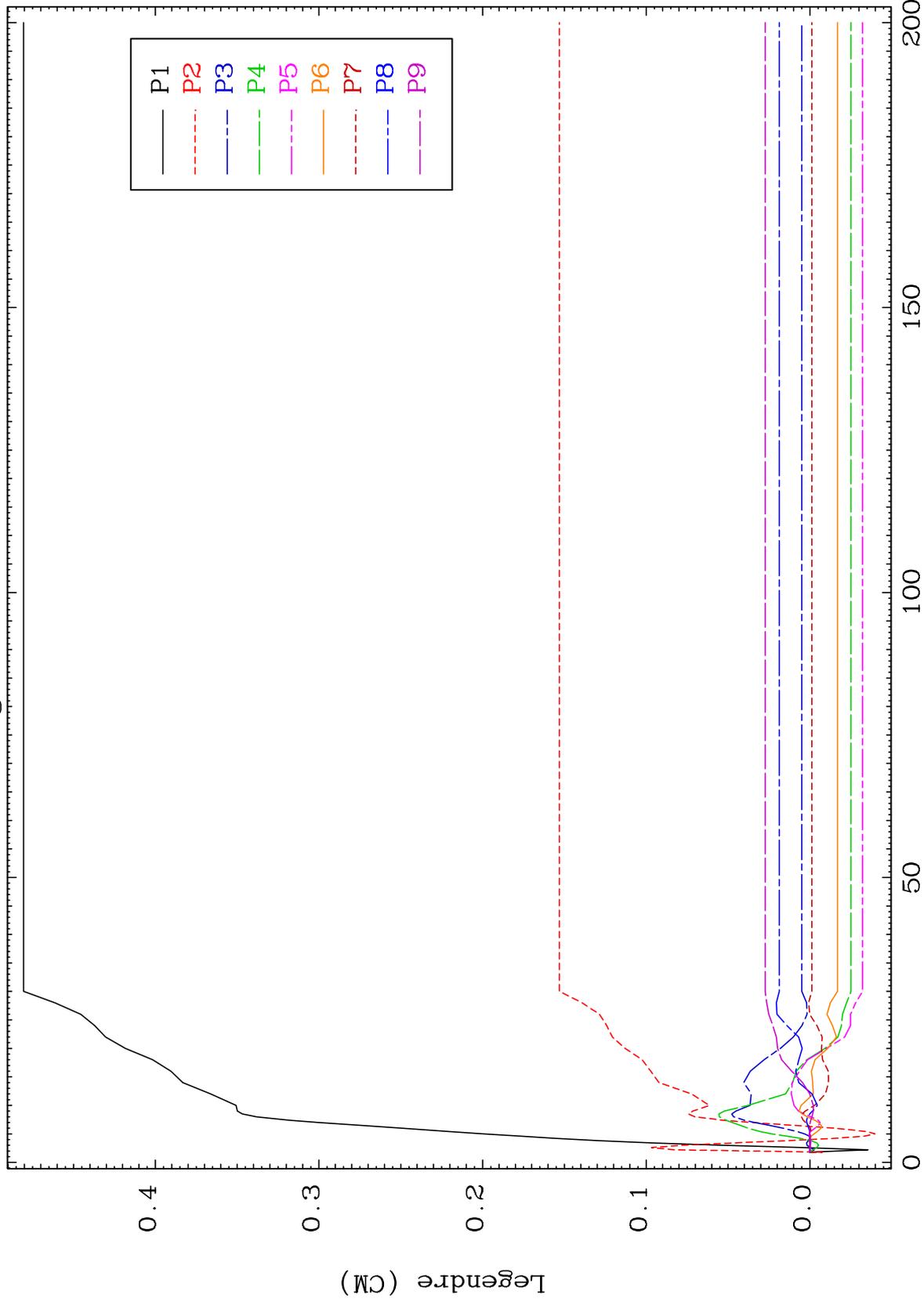
85-At-201



MAT 8519

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

85-At-201



34

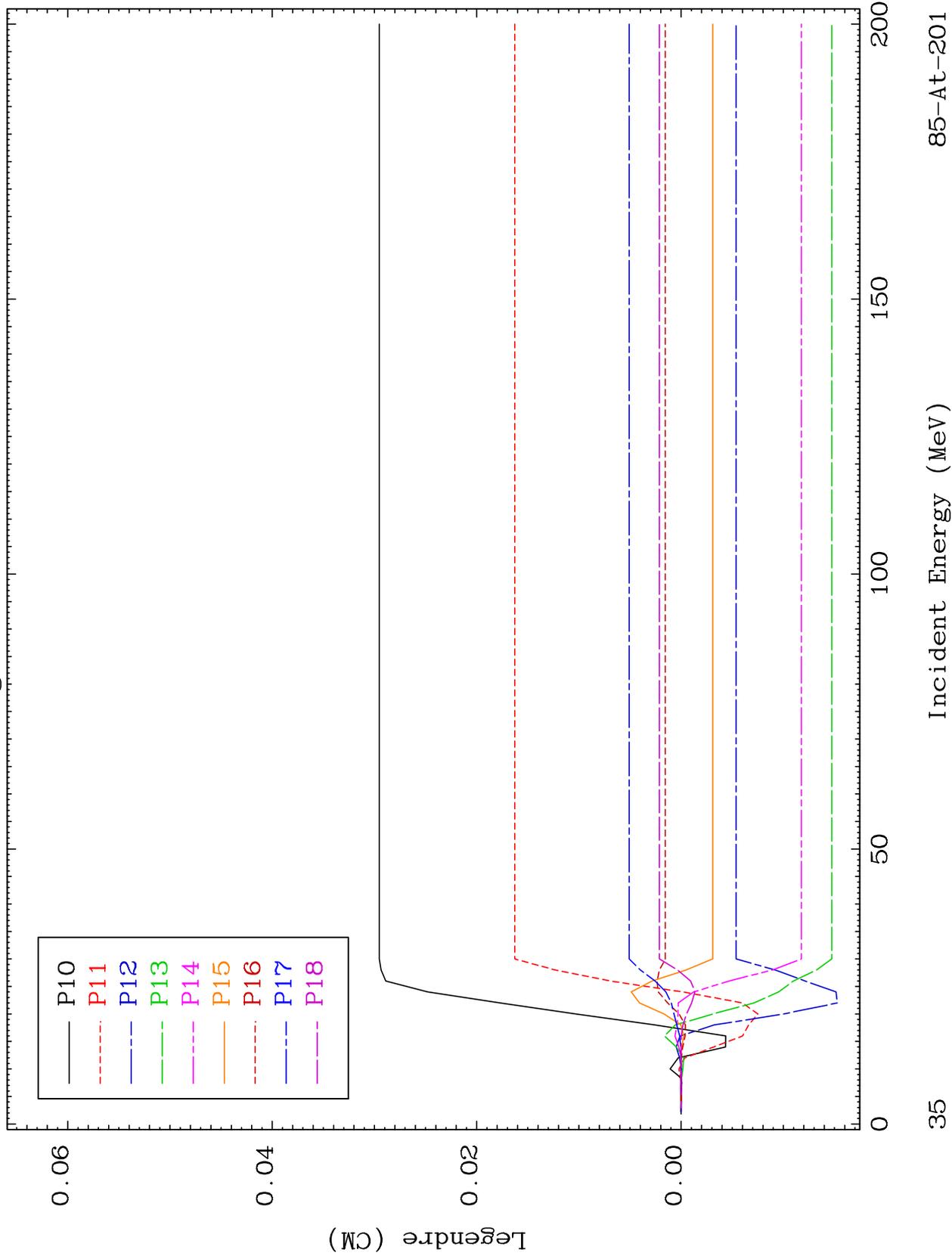
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



85-At-201

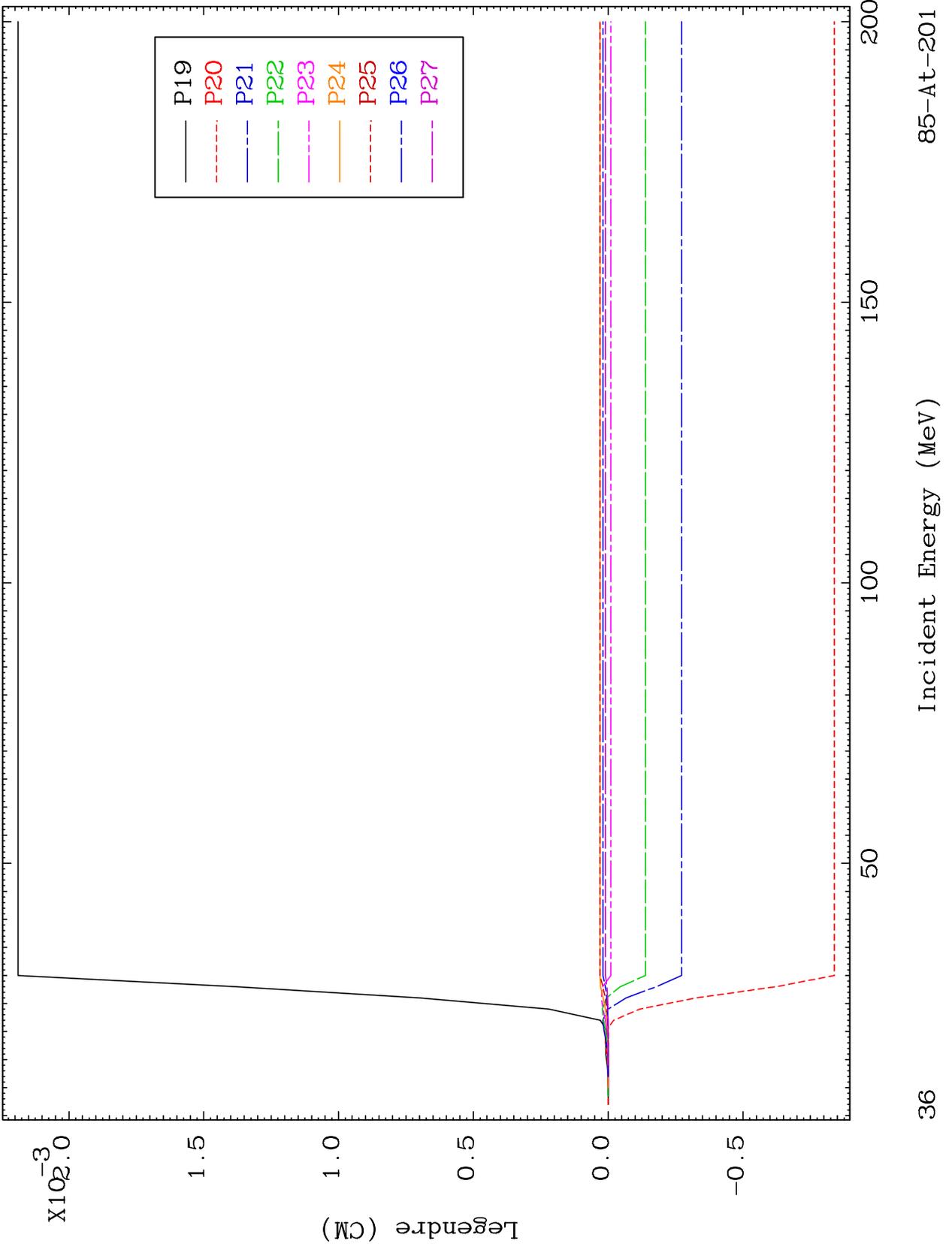
Incident Energy (MeV)

35

MAT 8519

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

85-At-201



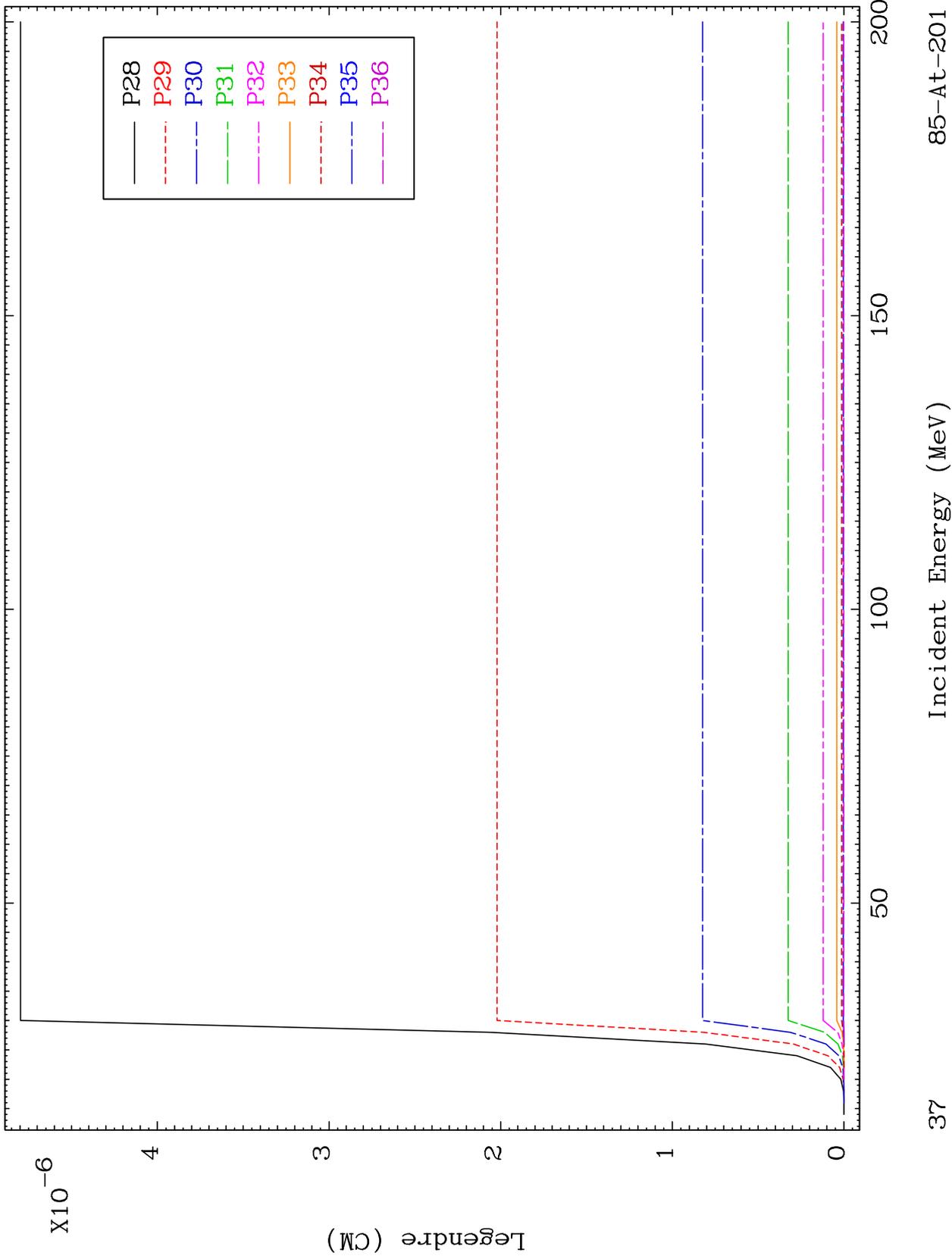
36

85-At-201

MAT 8519

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

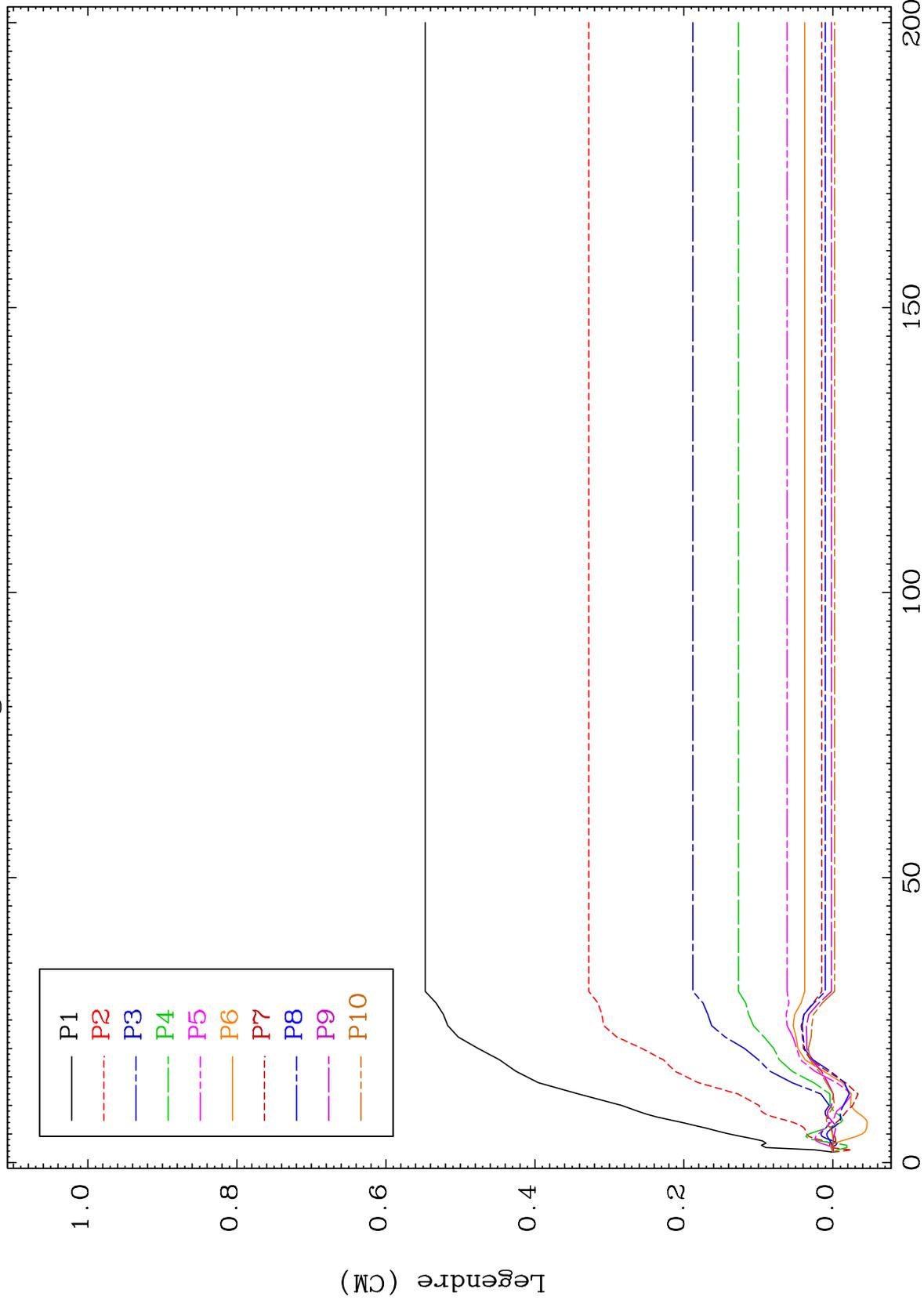
85-At-201



MAT 8519

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

85-At-201



38

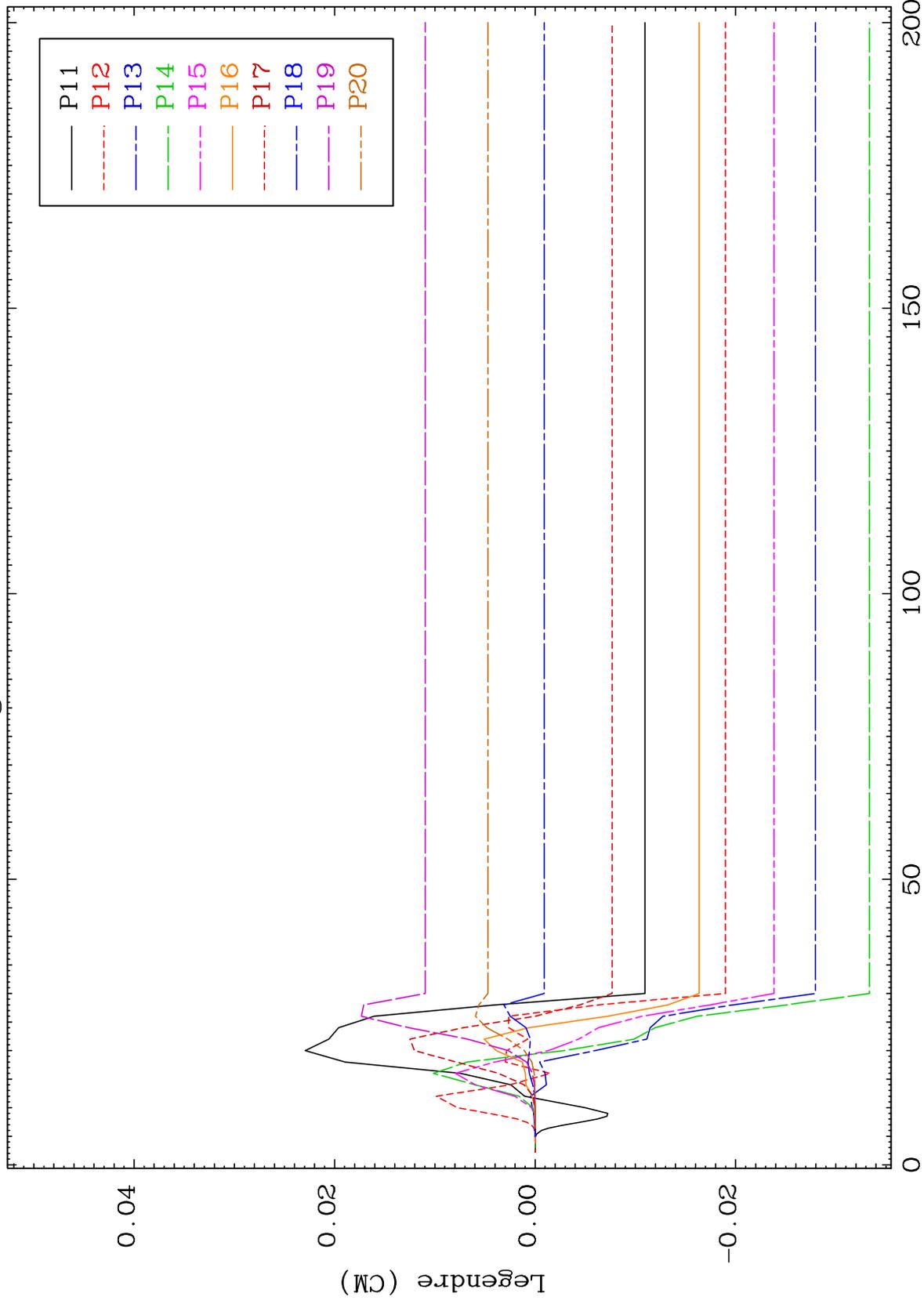
Incident Energy (MeV)

85-At-201

MAT 8519

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

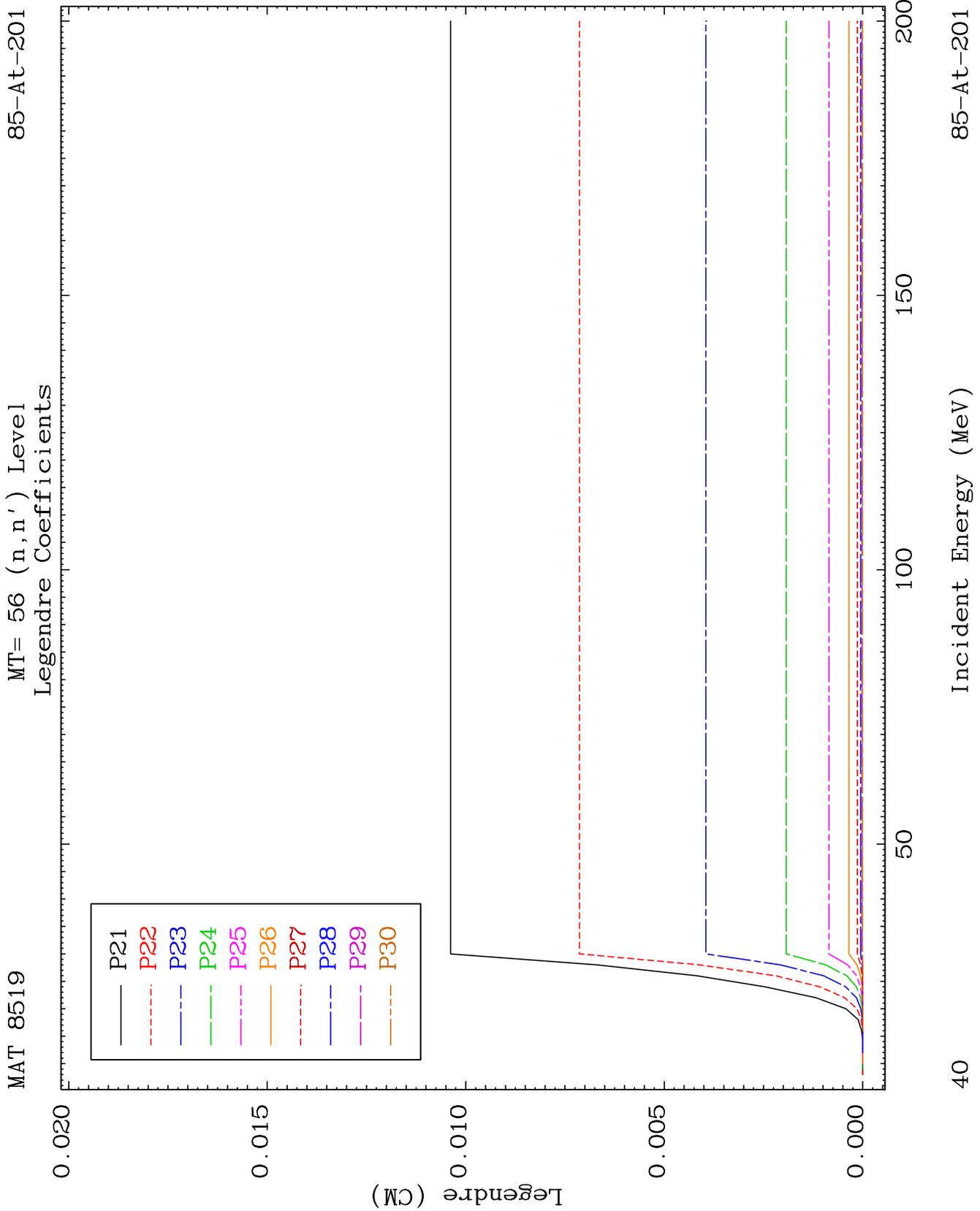
85-At-201



39

Incident Energy (MeV)

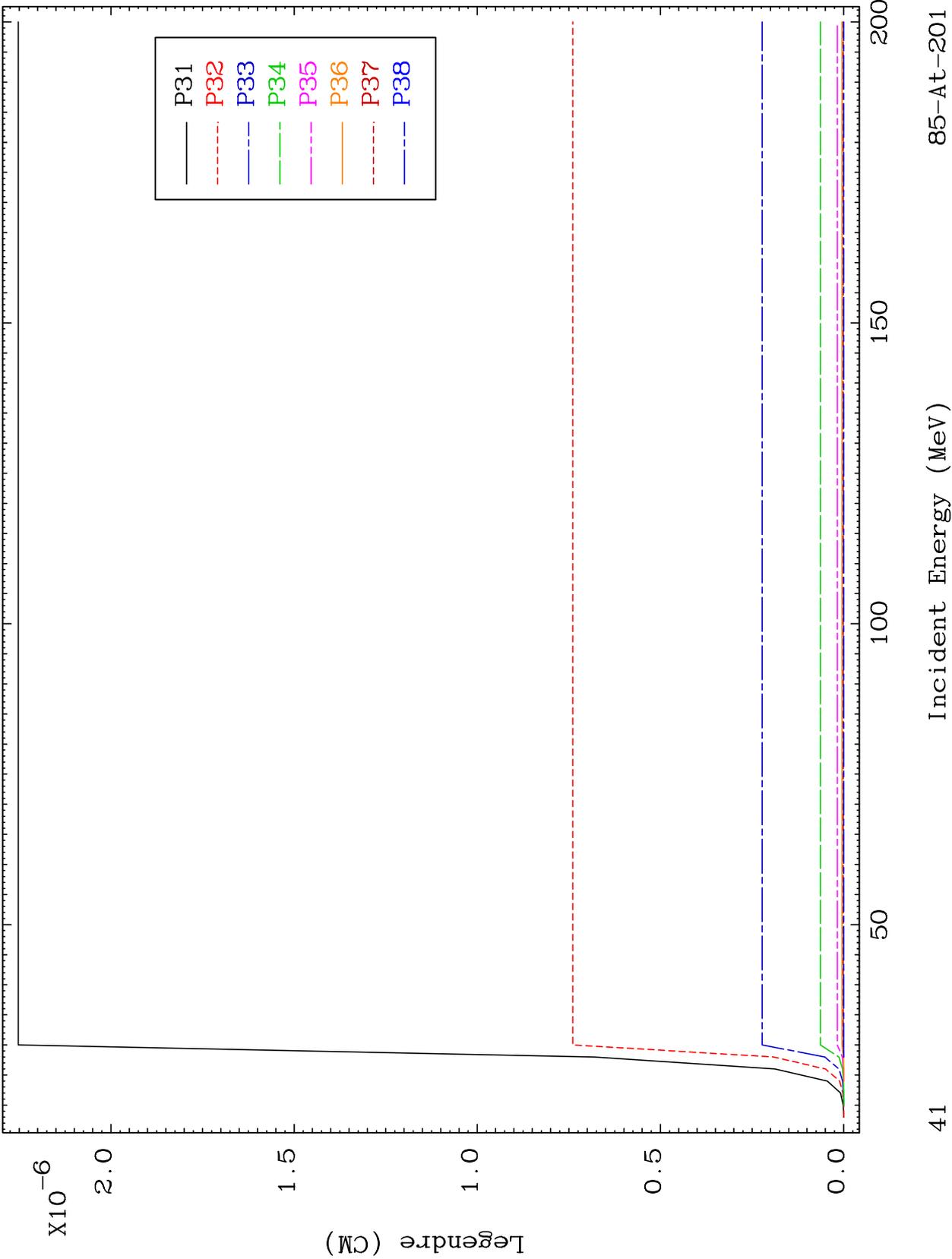
85-At-201



MAT 8519

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

85-At-201



41

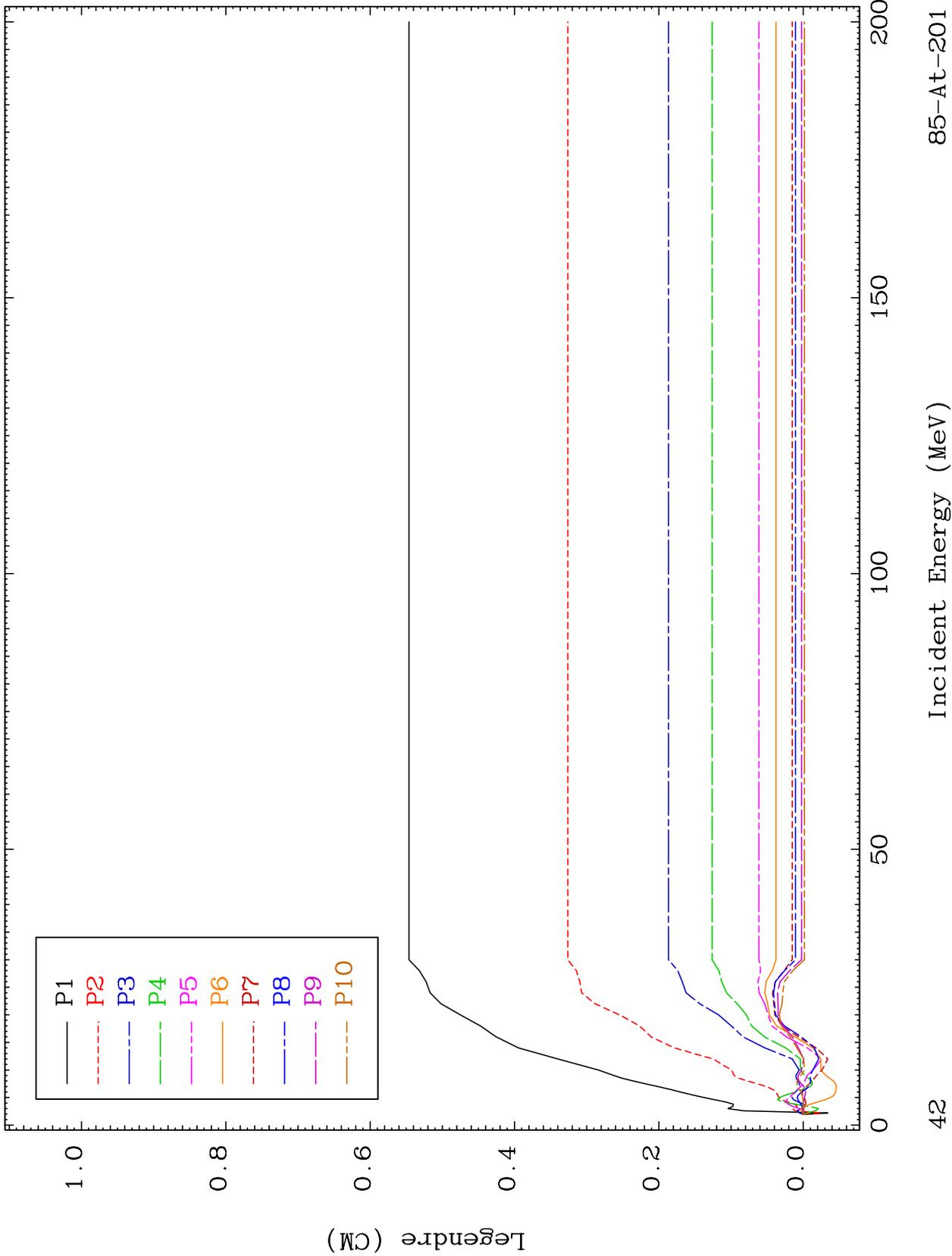
Incident Energy (MeV)

85-At-201

MAT 8519

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

85-At-201



85-At-201

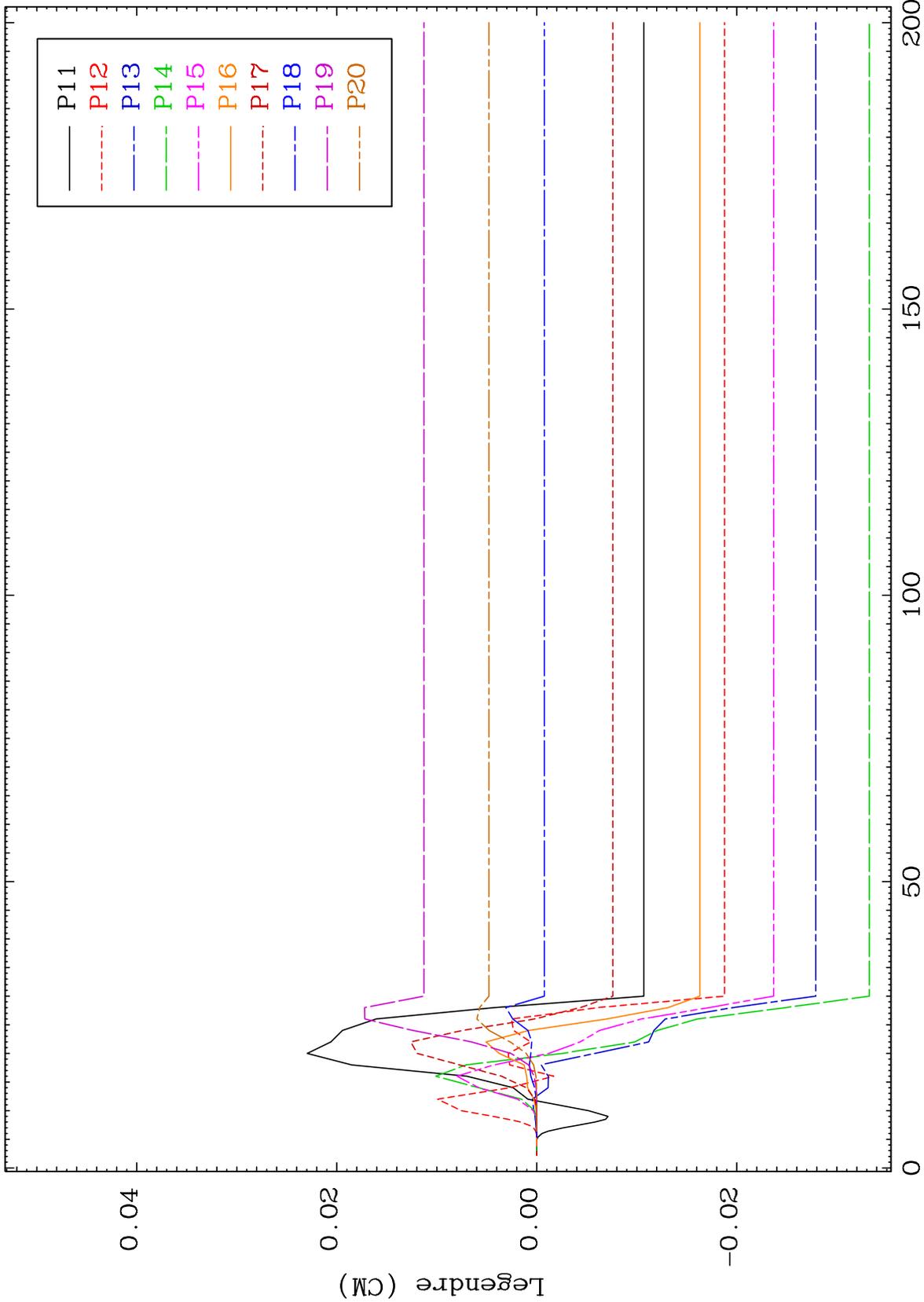
Incident Energy (MeV)

42

MAT 8519

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

85-At-201



43

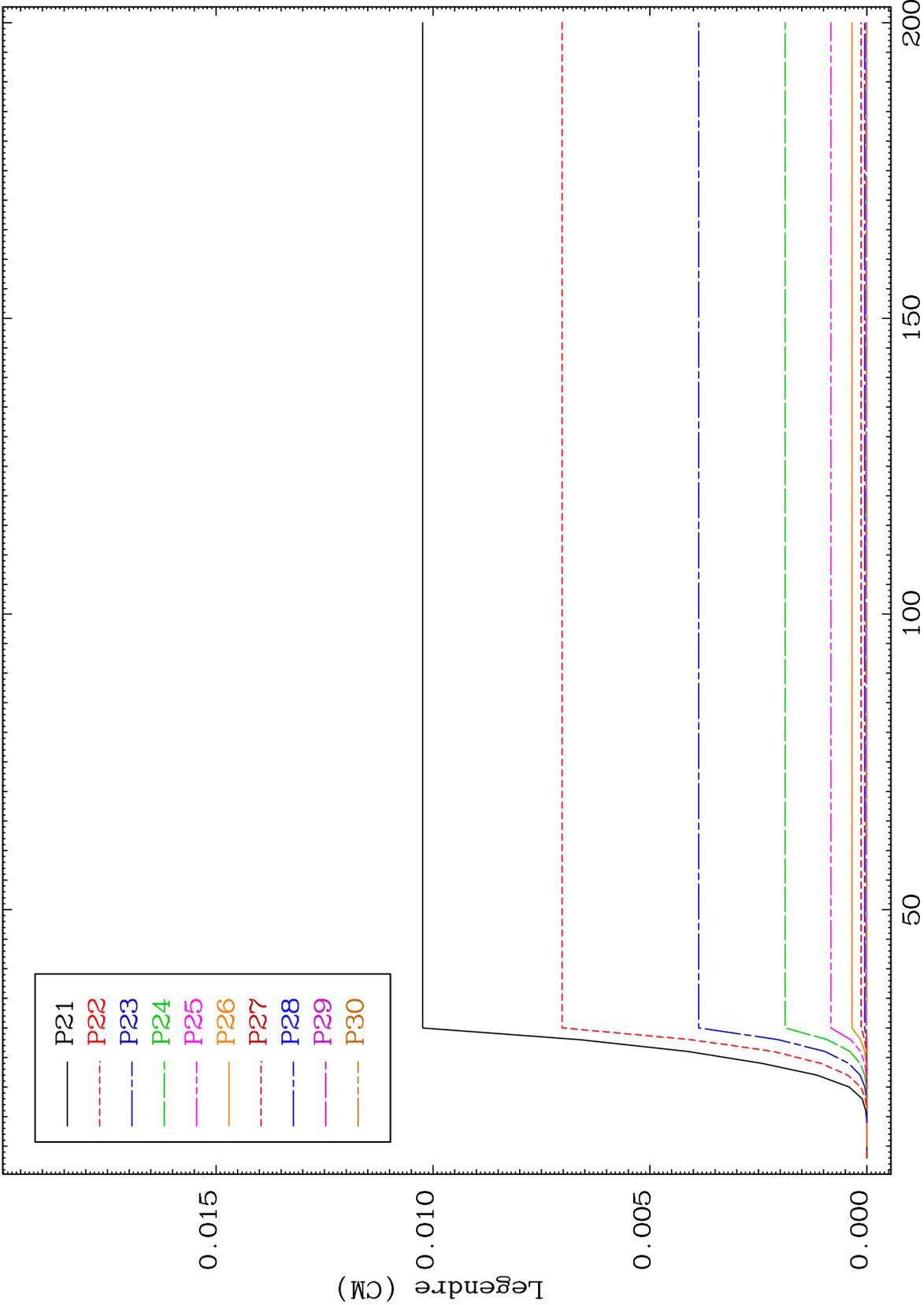
Incident Energy (MeV)

85-At-201

MAT 8519

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

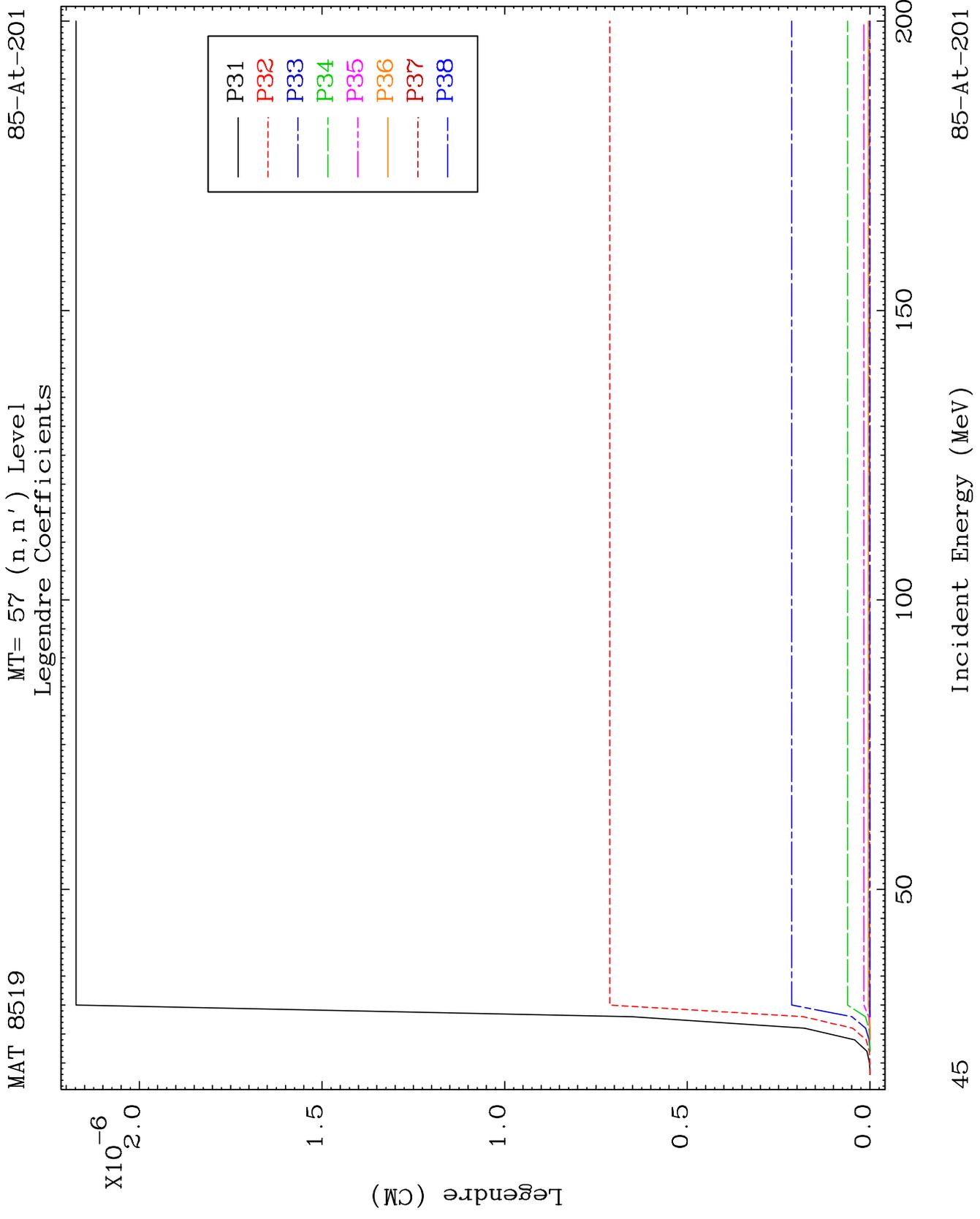
85-At-201



44

Incident Energy (MeV)

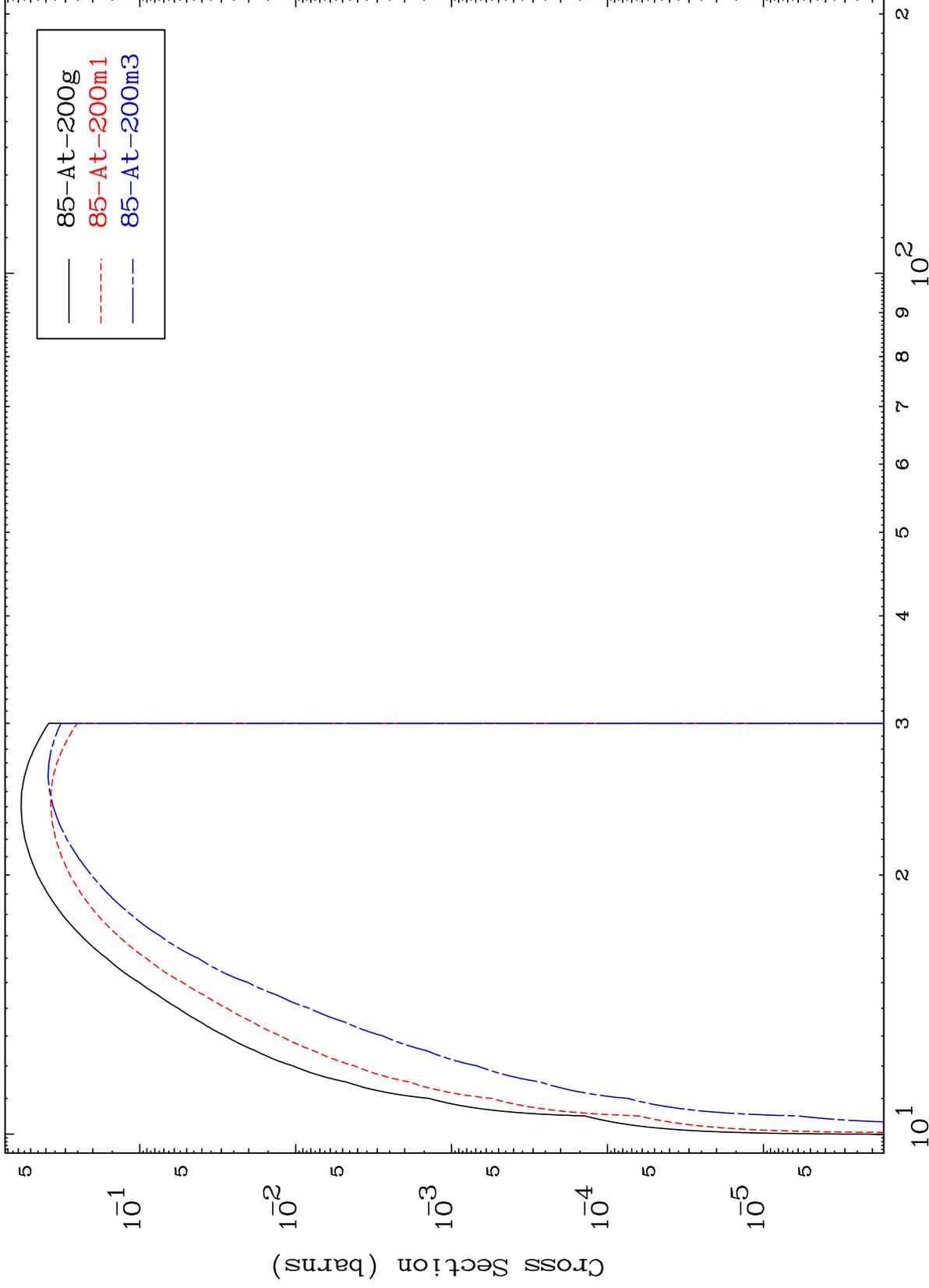
85-At-201



MAT 8519

85-At-201

(n,2n)
Radionuclide Production Cross Section



85-At-201

Incident Energy (MeV)

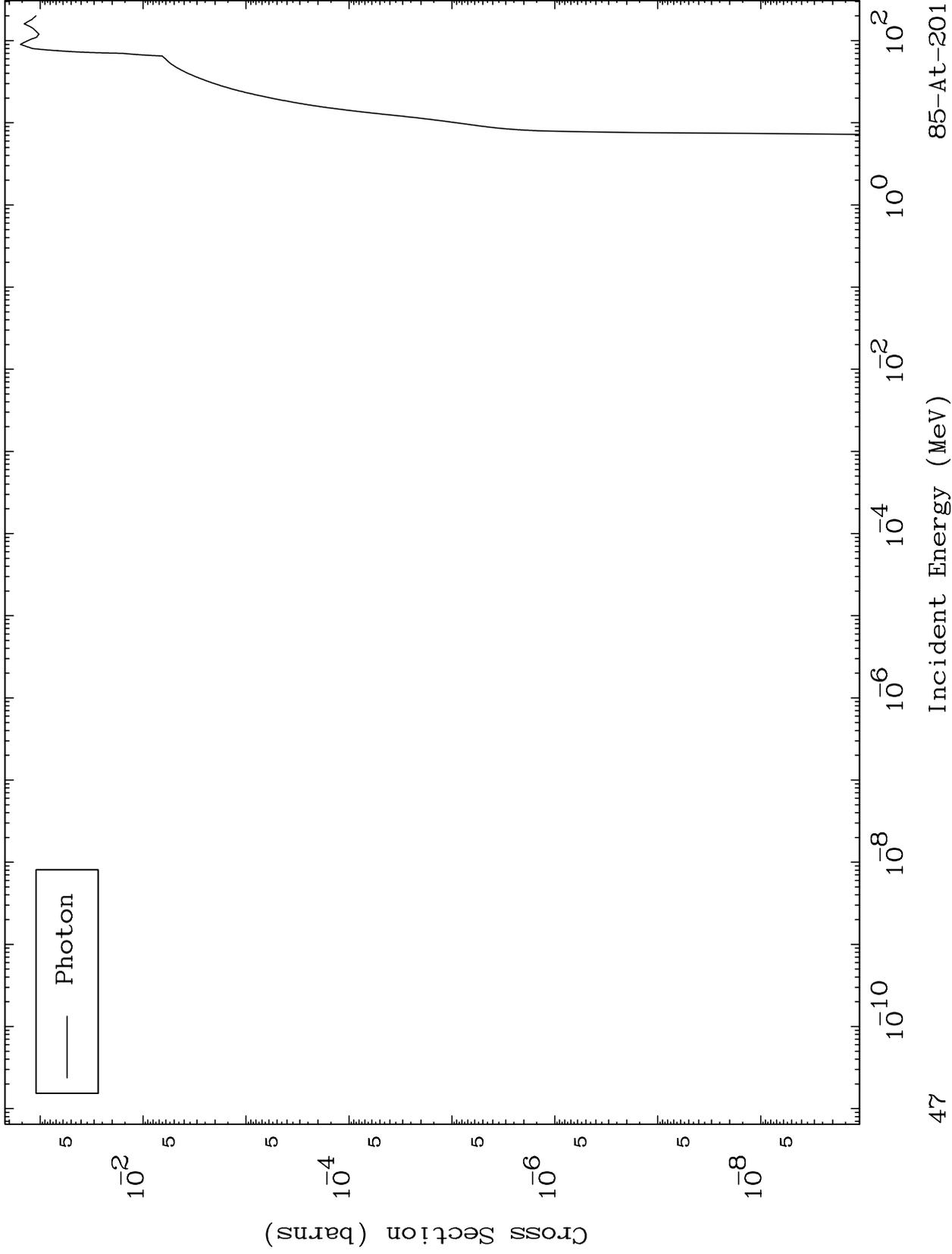
46

MAT 8519

Fission

85-At-201

Radionuclide Production Cross Section



47

Incident Energy (MeV)

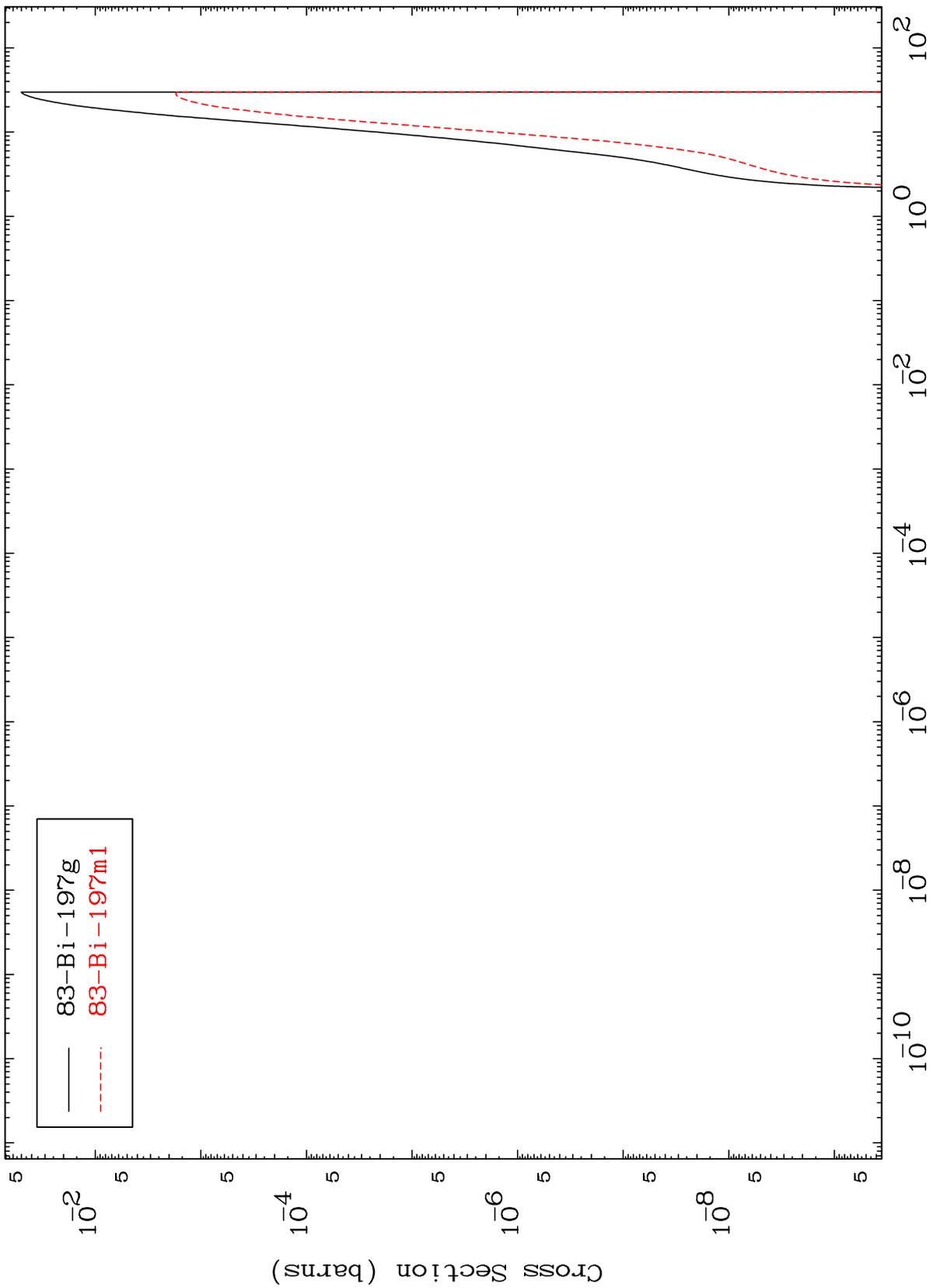
85-At-201

MAT 8519

$(n, n') \alpha$

85-At-201

Radionuclide Production Cross Section



48

Incident Energy (MeV)

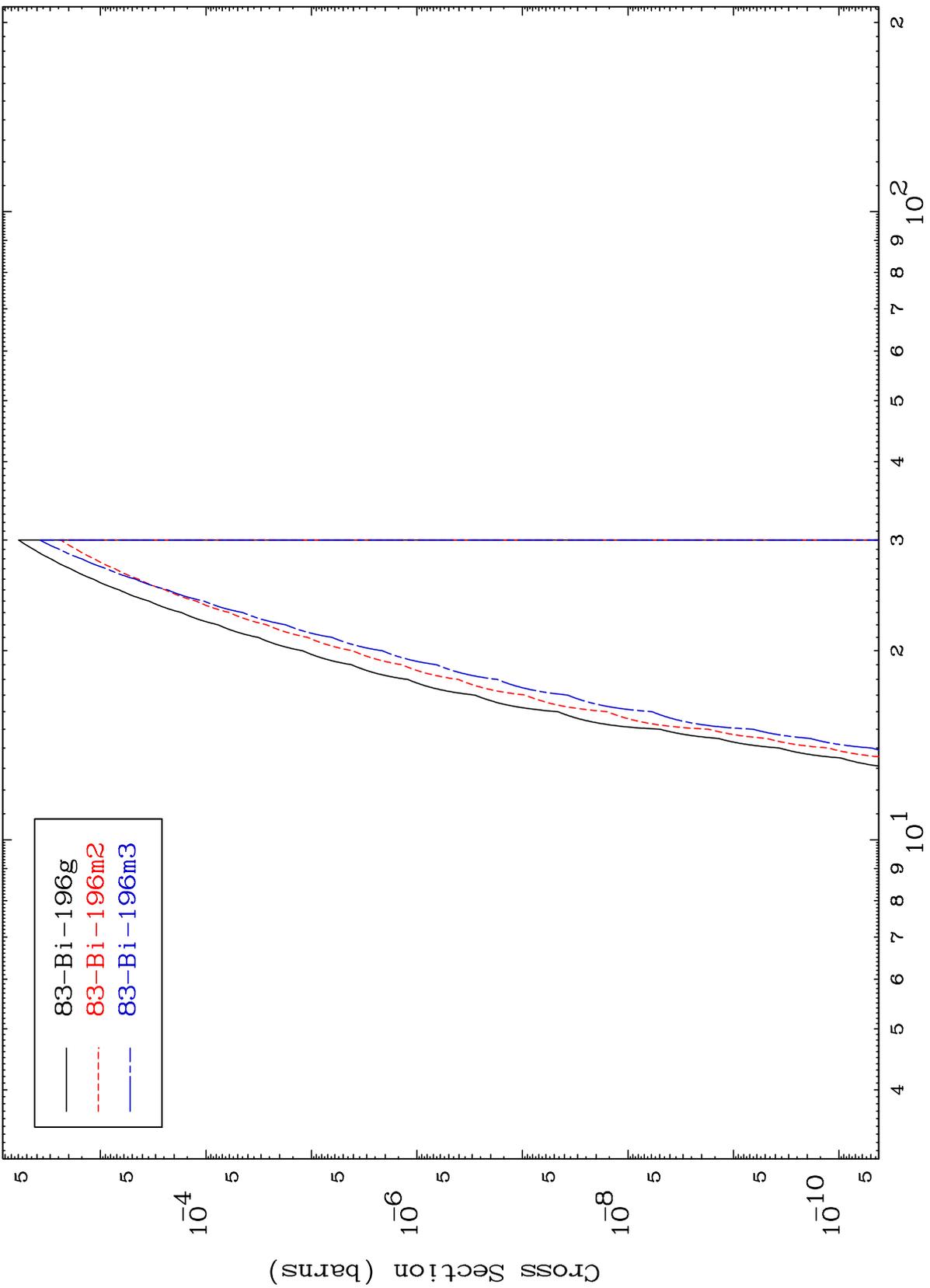
85-At-201

MAT 8519

85-At-201

(n,2n) α

Radionuclide Production Cross Section



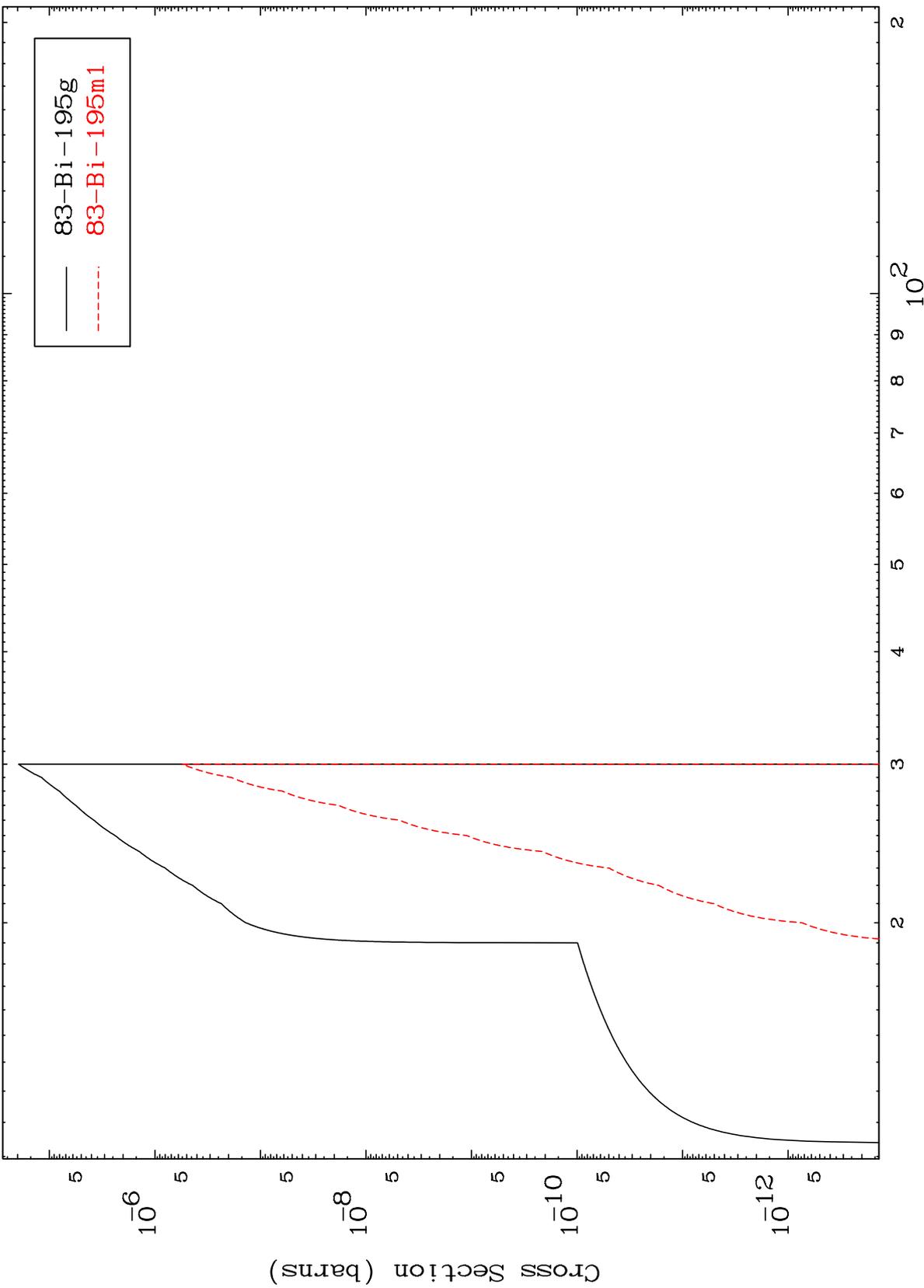
83-Bi-196g
83-Bi-196m2
83-Bi-196m3

49

Incident Energy (MeV)

85-At-201

Radionuclide Production Cross Section

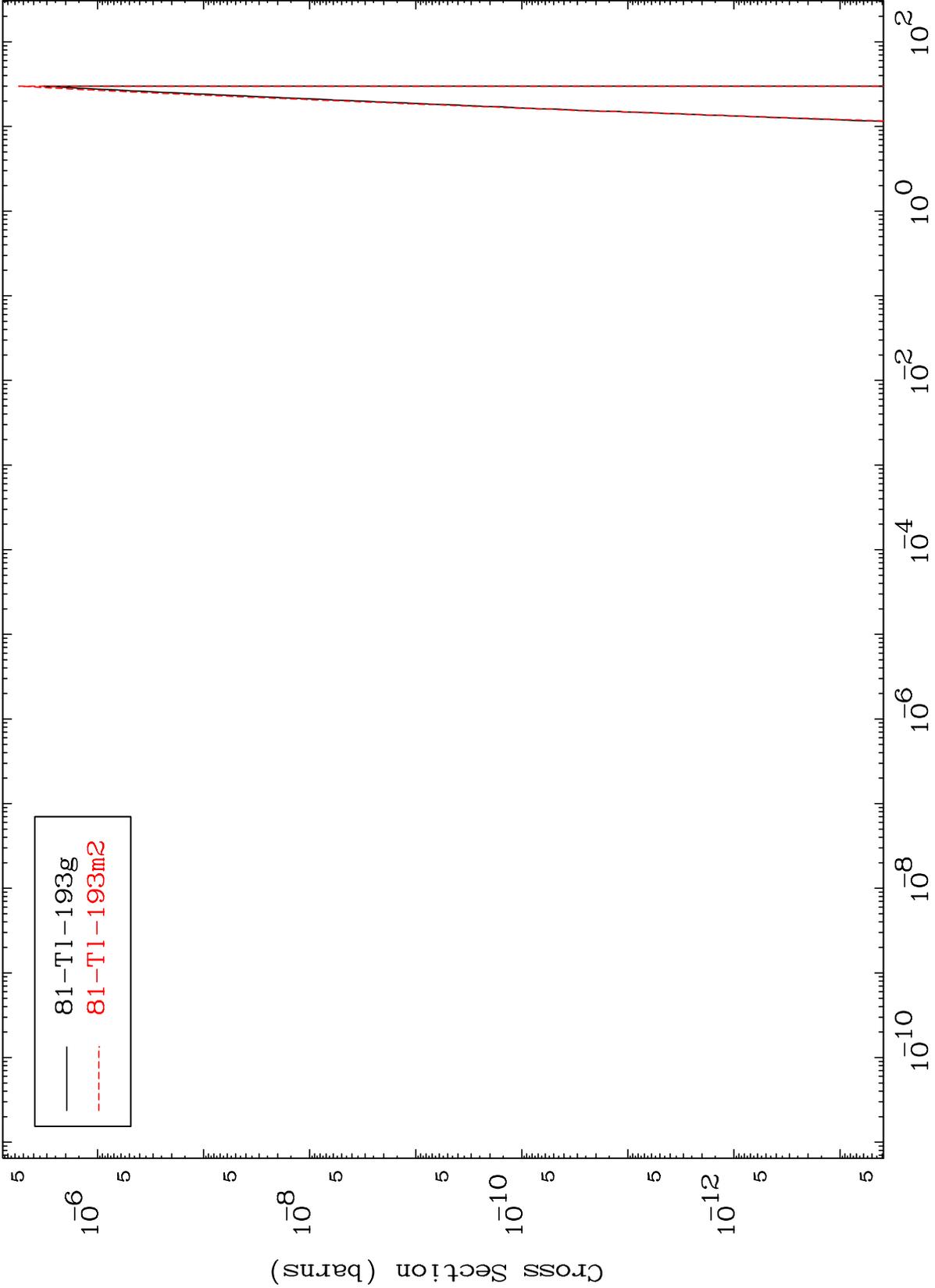


MAT 8519

(n,n') 2α

85-At-201

Radionuclide Production Cross Section



51

Incident Energy (MeV)

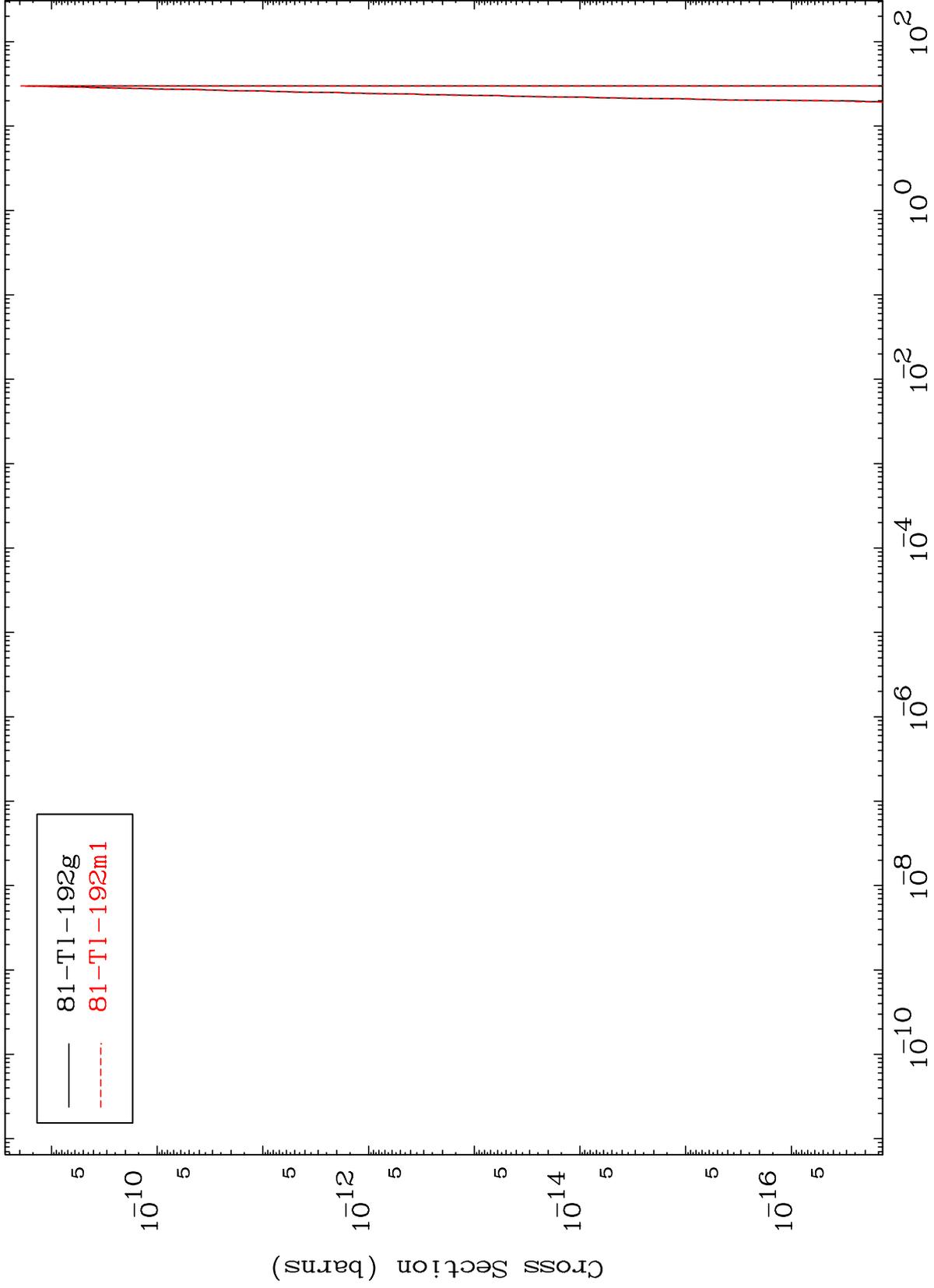
85-At-201

MAT 8519

(n,2n) 2 α

85-At-201

Radionuclide Production Cross Section



52

Incident Energy (MeV)

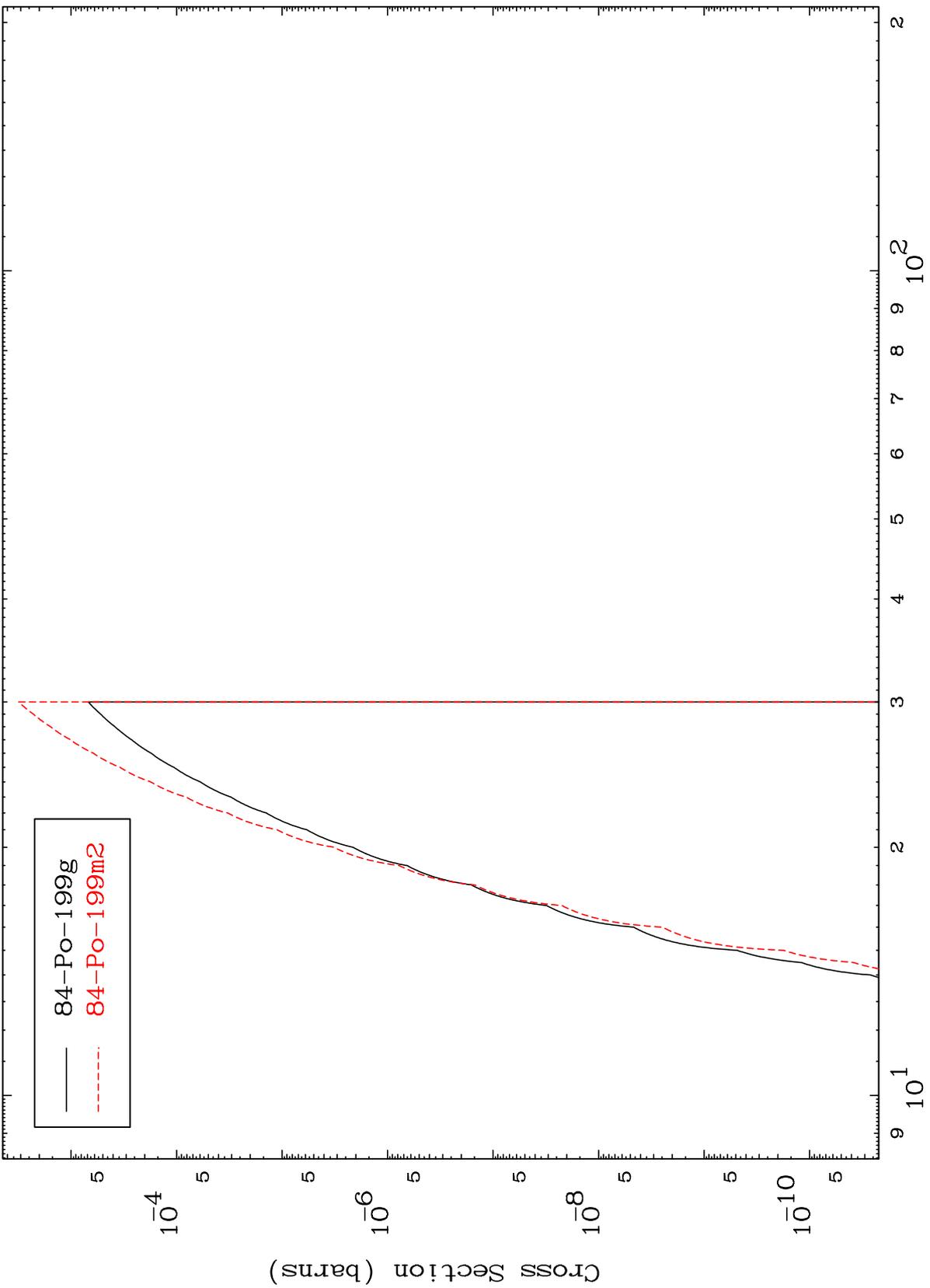
85-At-201

MAT 8519

(n,n') d

85-At-201

Radionuclide Production Cross Section



53

Incident Energy (MeV)

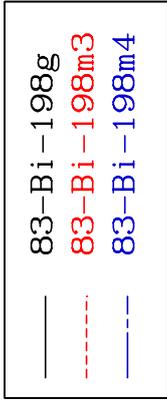
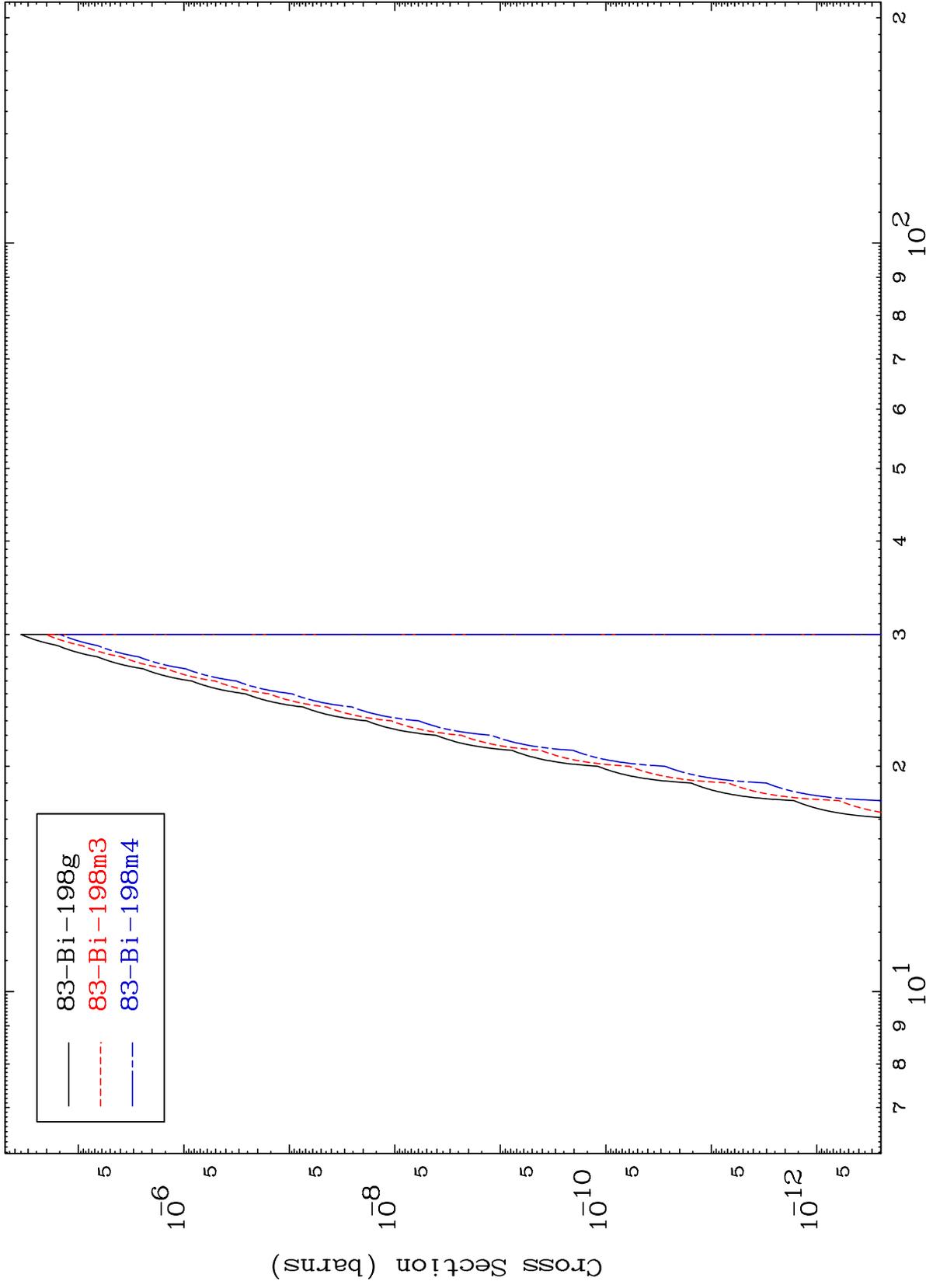
85-At-201

MAT 8519

(n,n') He-3

85-At-201

Radionuclide Production Cross Section

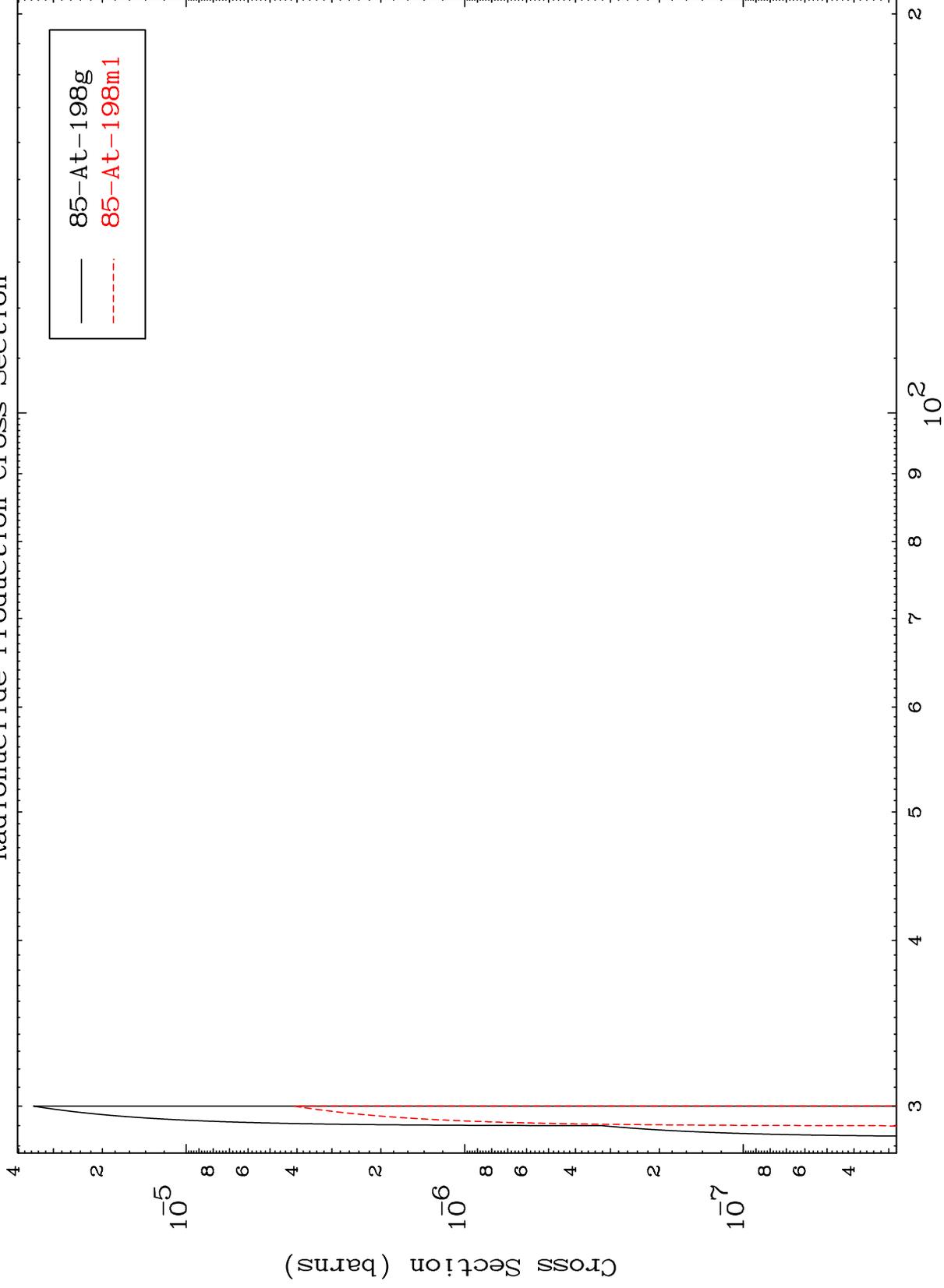


MAT 8519

(n,4n)

85-At-201

Radionuclide Production Cross Section

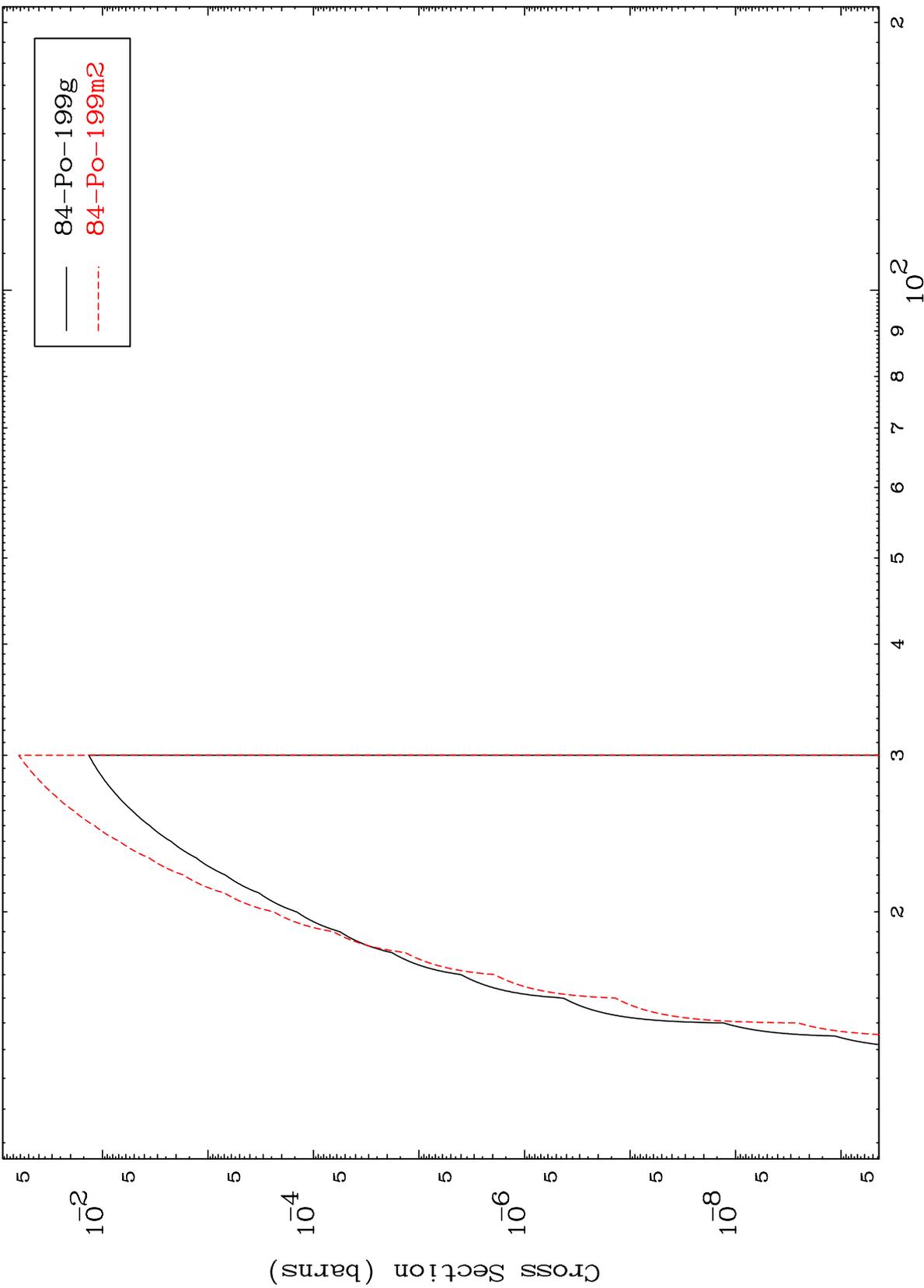


55

Incident Energy (MeV)

85-At-201

Radionuclide Production Cross Section

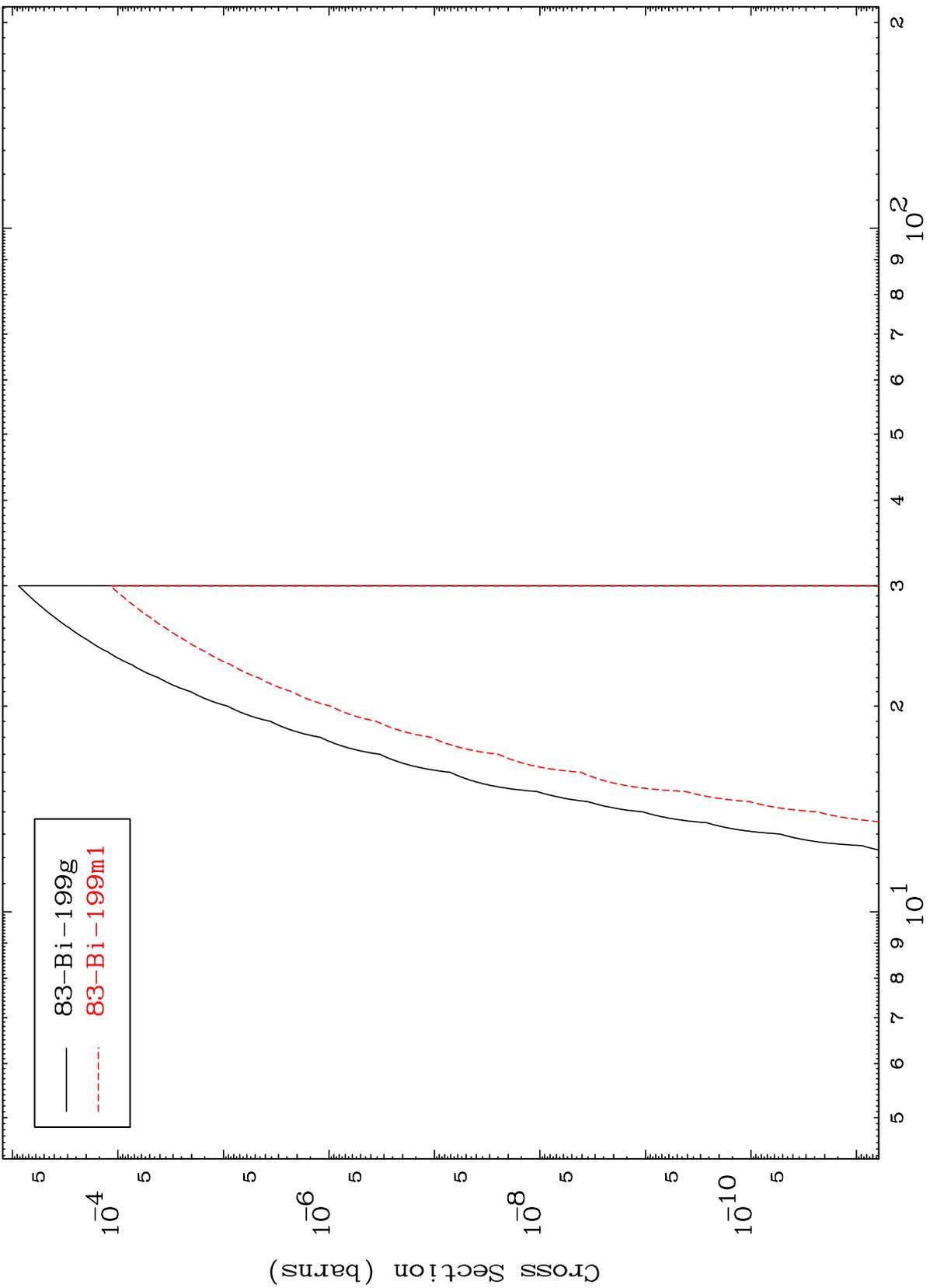


MAT 8519

(n,2n) p

85-At-201

Radionuclide Production Cross Section



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

57

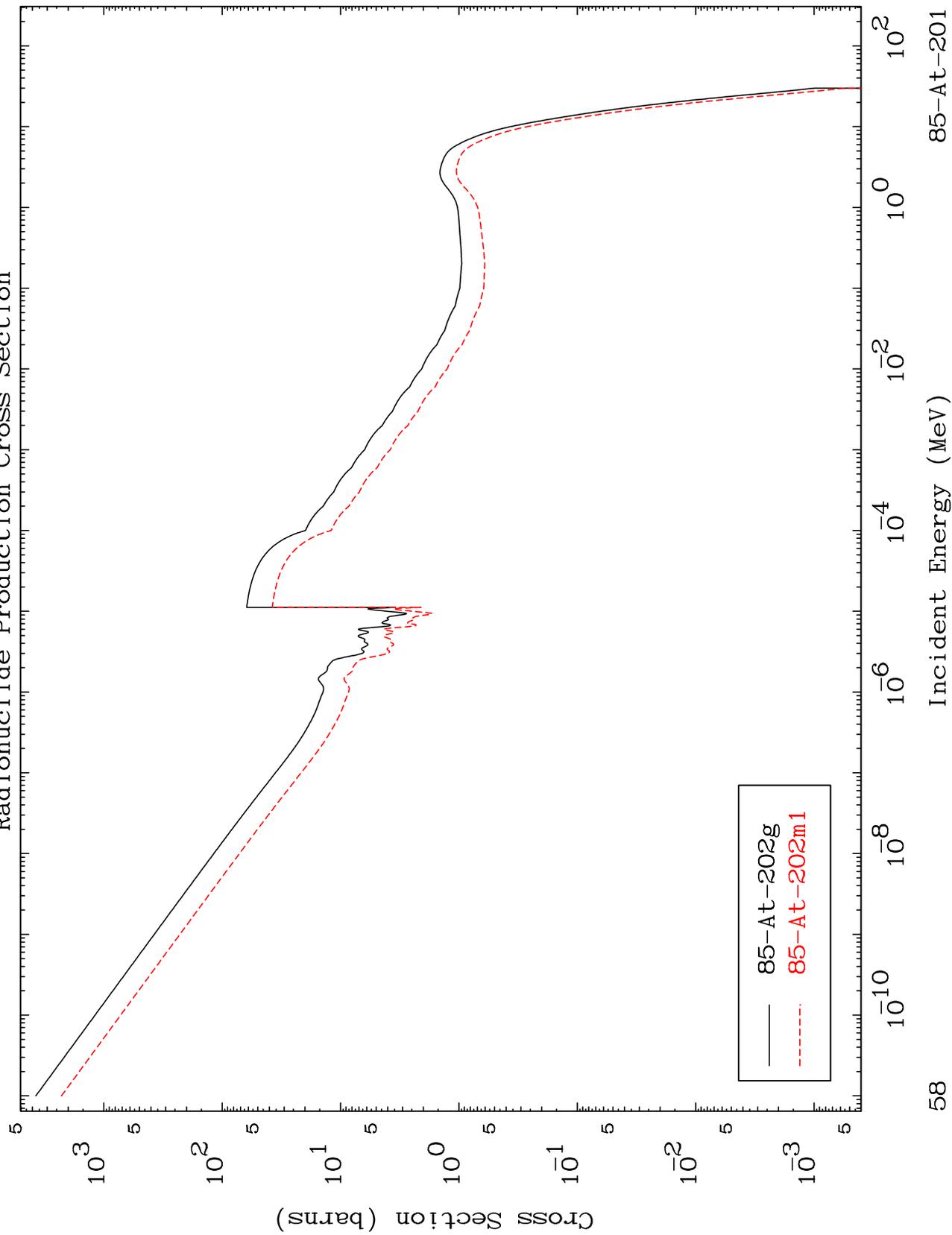
Incident Energy (MeV)

85-At-201

MAT 8519

85-At-201

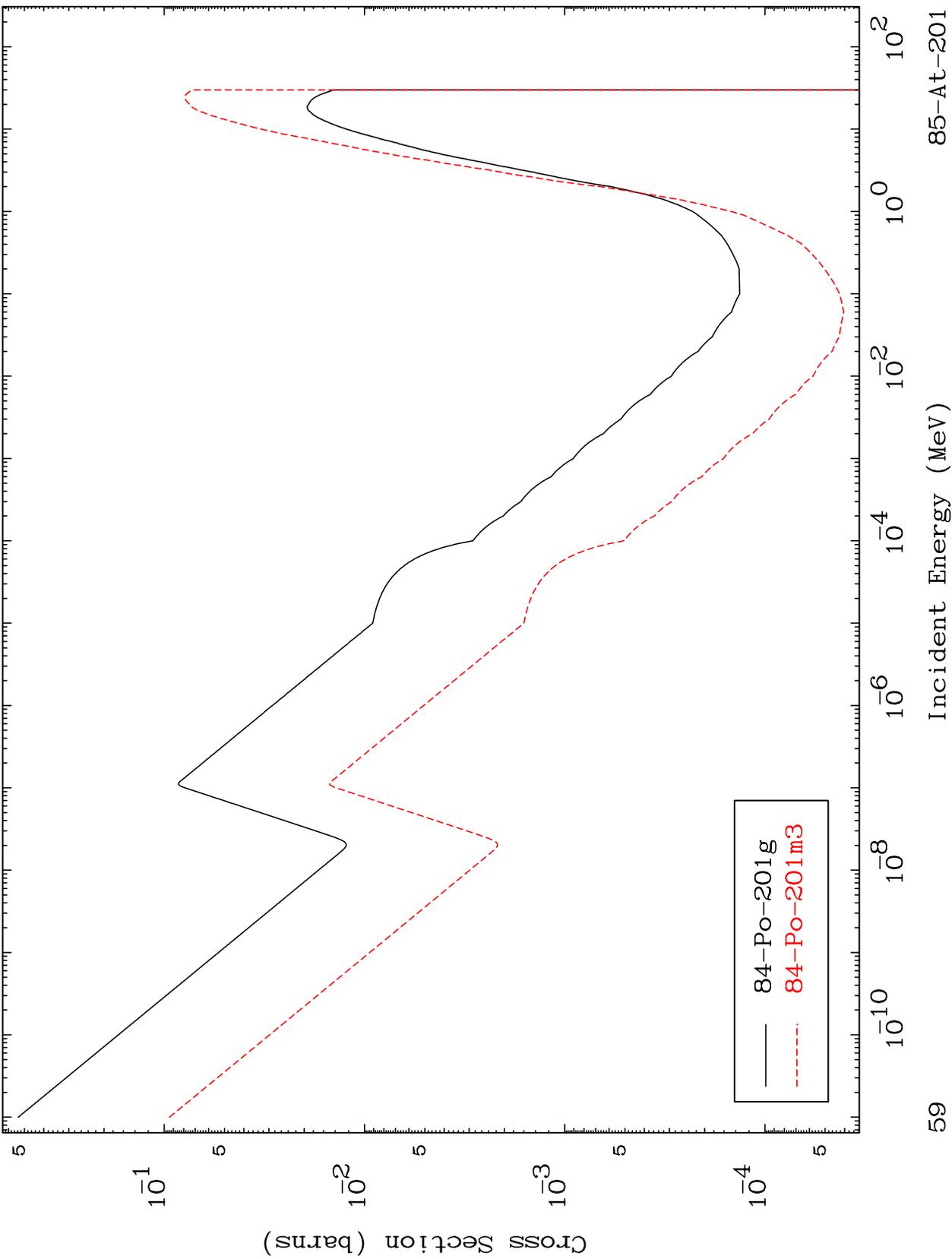
(n, γ)
Radionuclide Production Cross Section



58

85-At-201

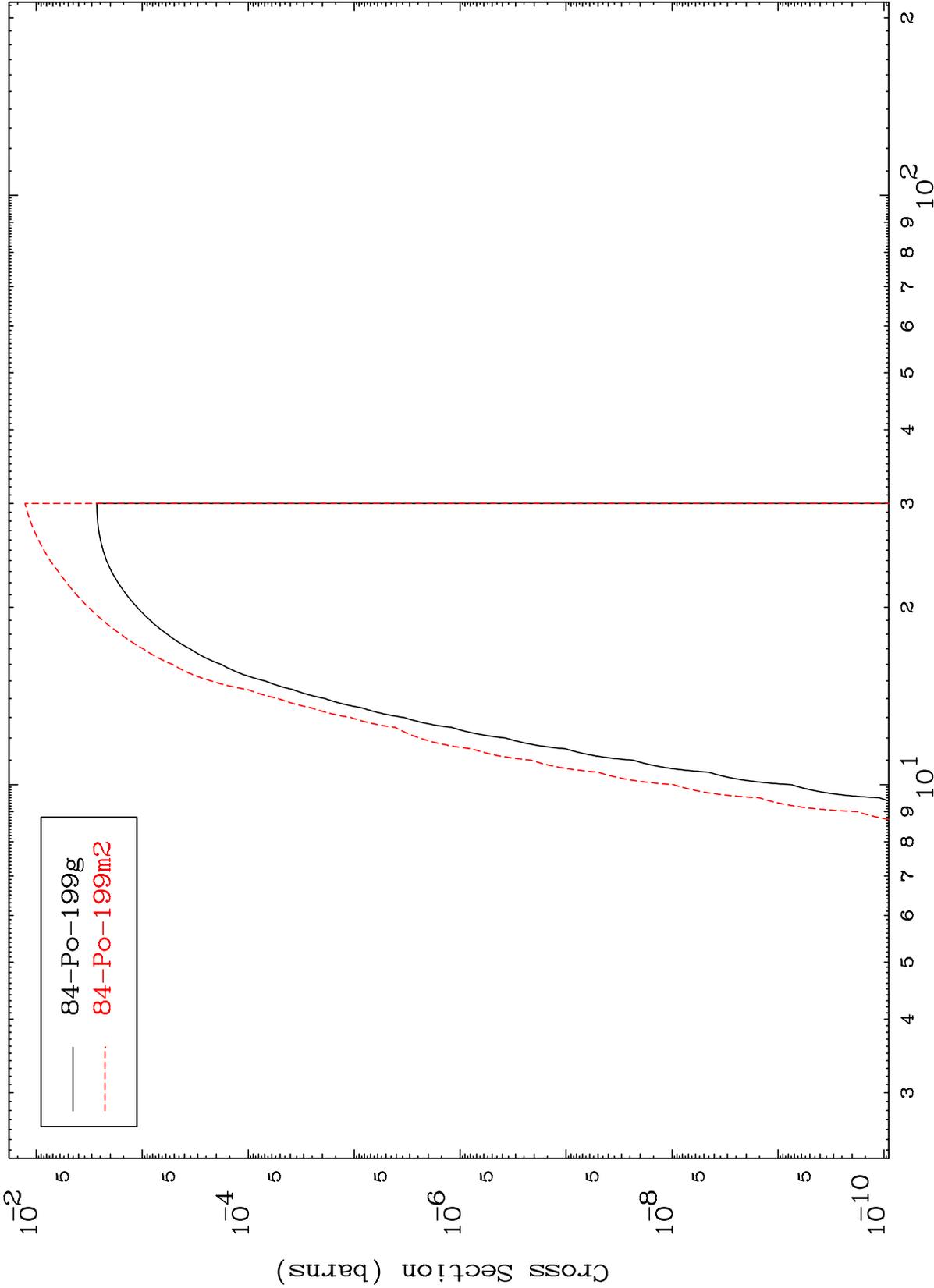
Radionuclide Production Cross Section (n,p)



MAT 8519

85-At-201

(n, t)
Radionuclide Production Cross Section



60

Incident Energy (MeV)

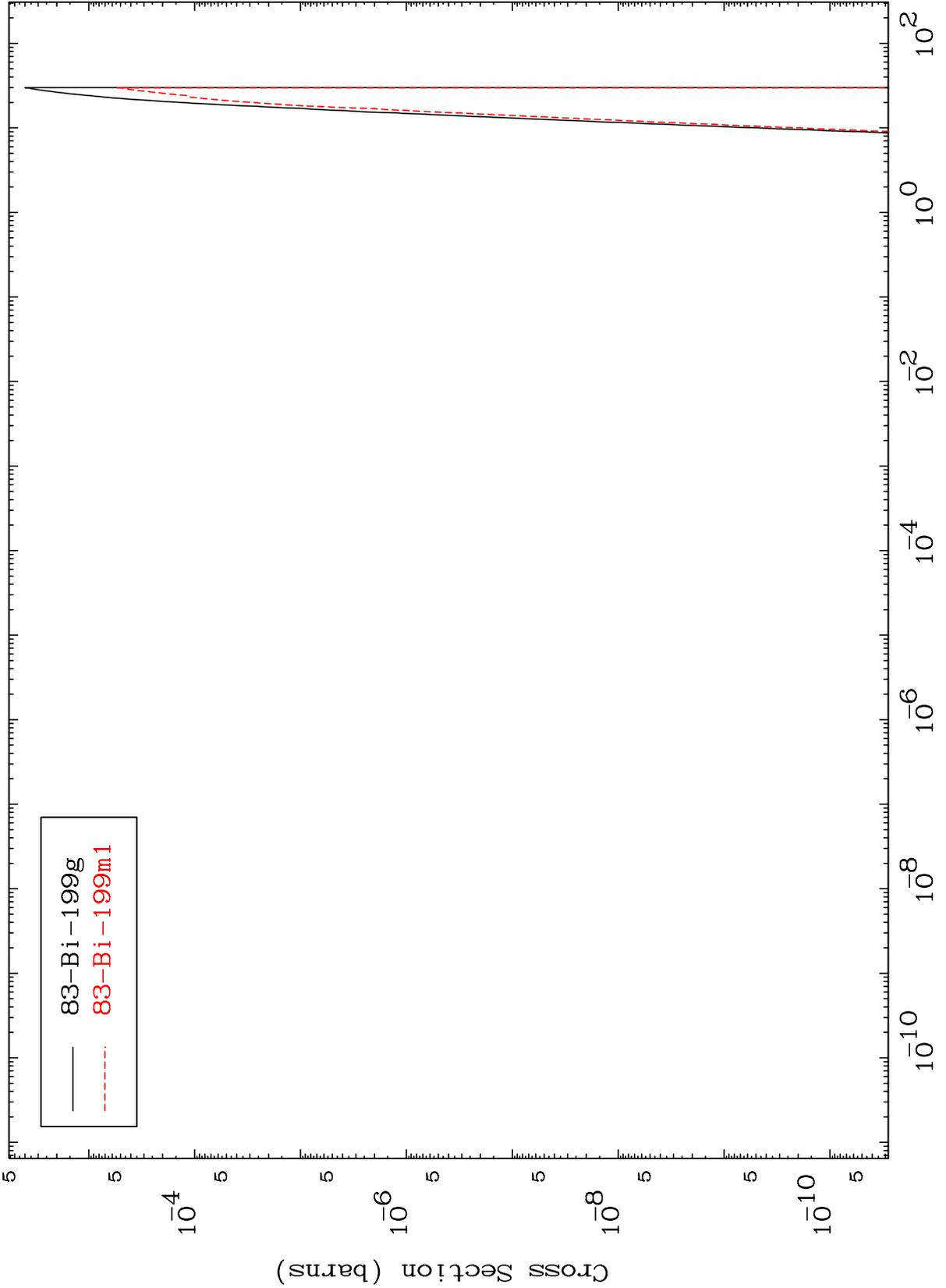
85-At-201

MAT 8519

(n,He-3)

85-At-201

Radionuclide Production Cross Section



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

61

Incident Energy (MeV)

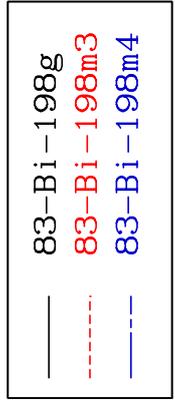
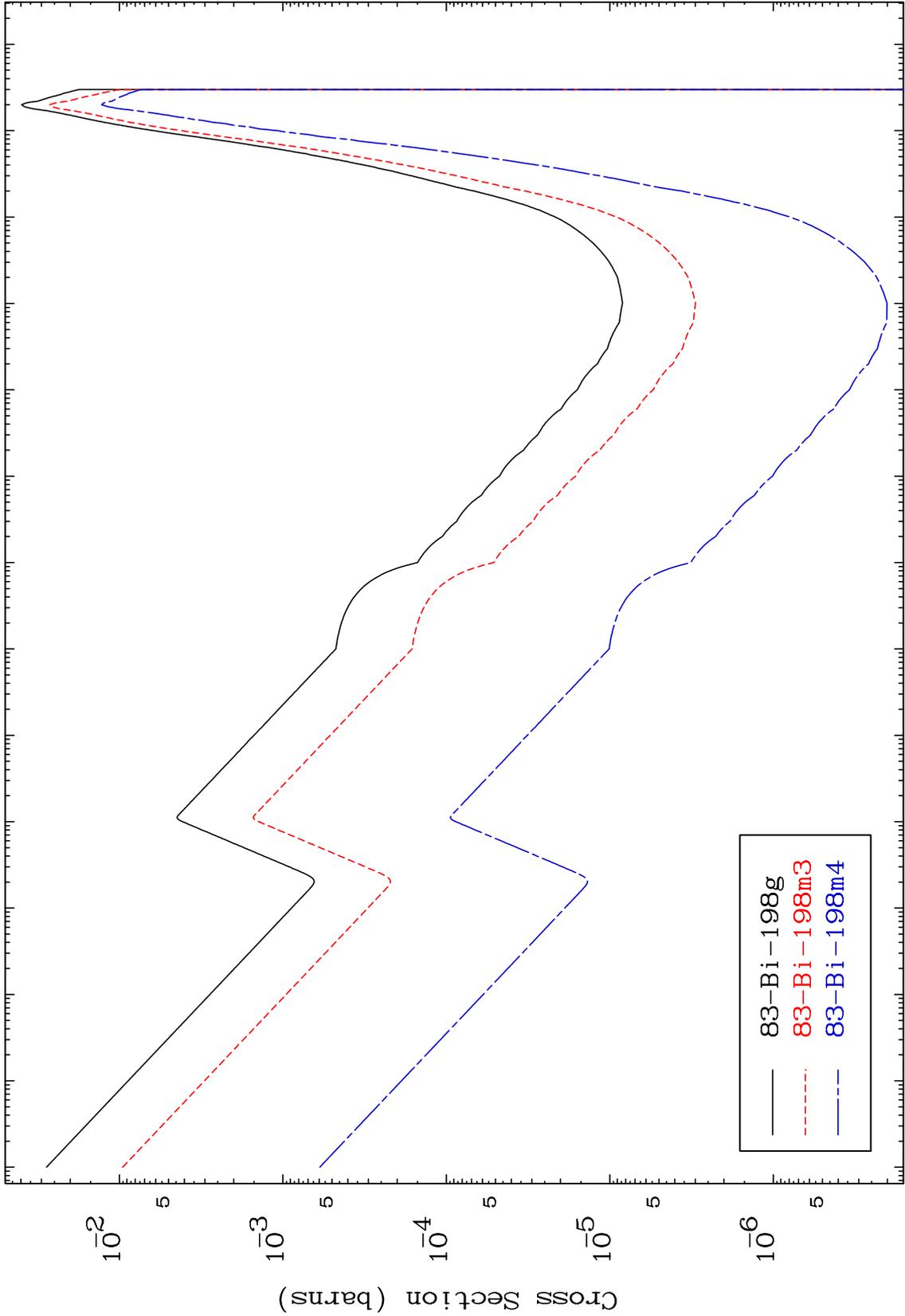
85-At-201

MAT 8519

85-At-201

Radionuclide Production Cross Section

(n, α)



62

85-At-201

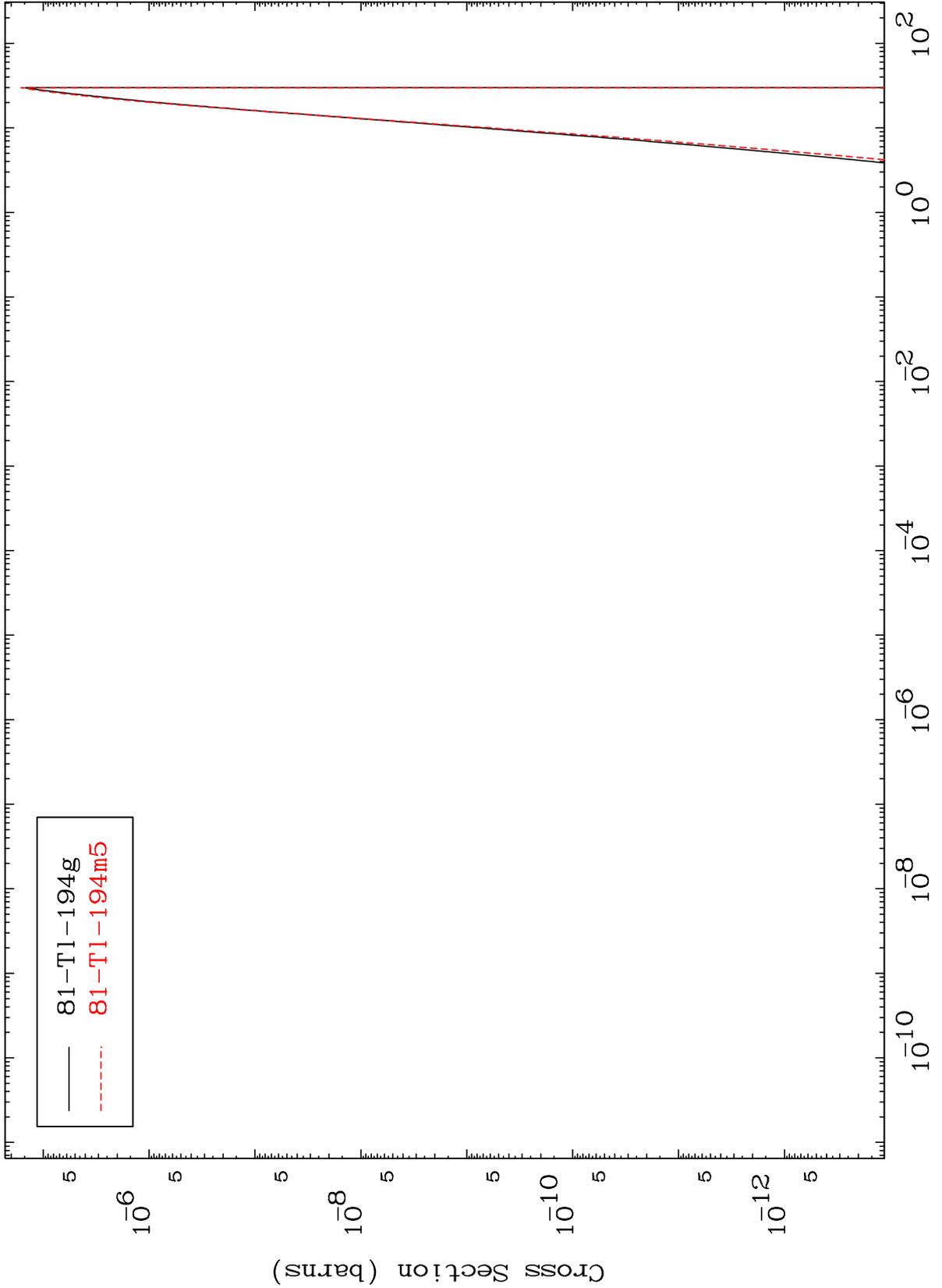
Incident Energy (MeV)

MAT 8519

(n,2α)

85-At-201

Radionuclide Production Cross Section



63

Incident Energy (MeV)

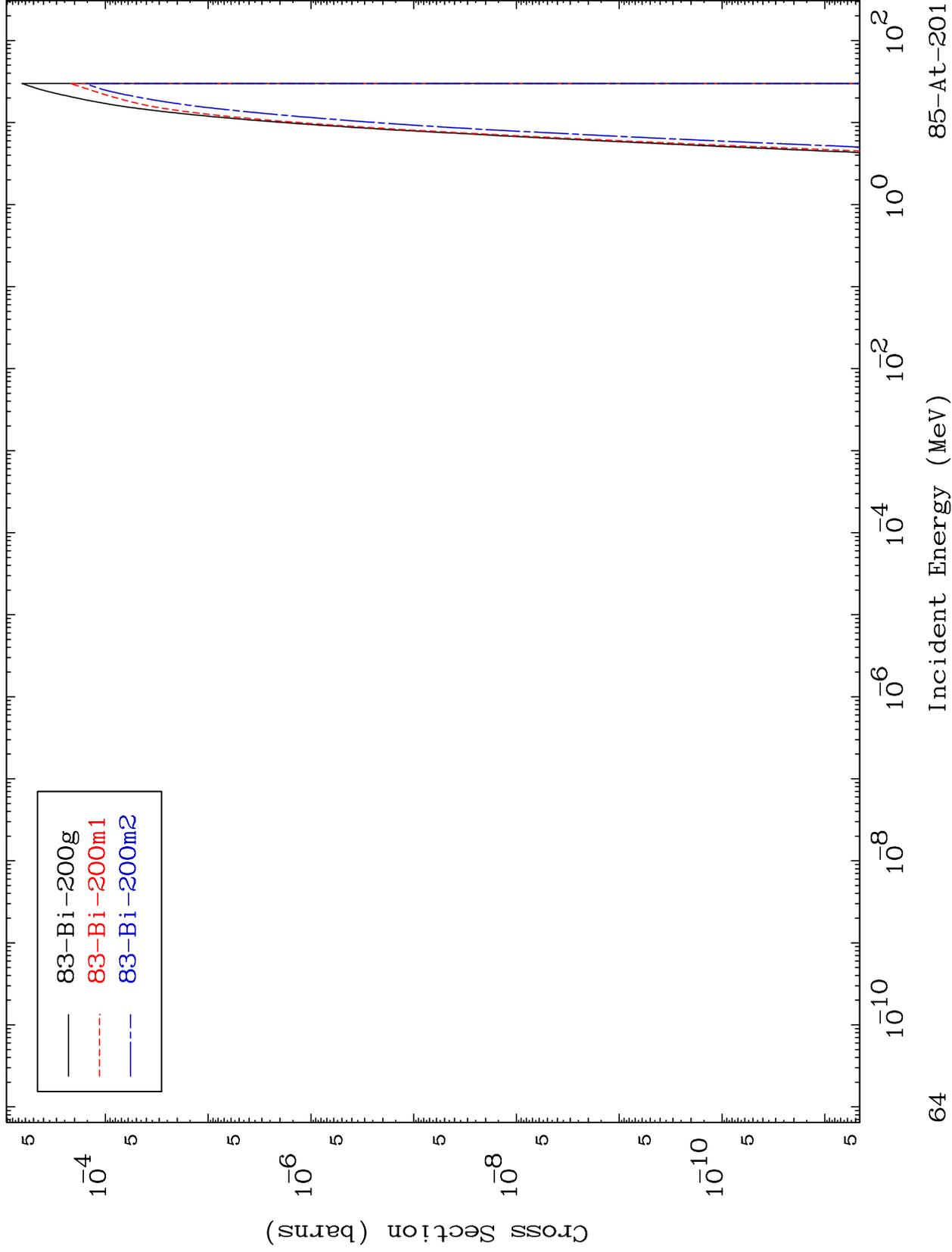
85-At-201

MAT 8519

(n,2p)

85-At-201

Radionuclide Production Cross Section



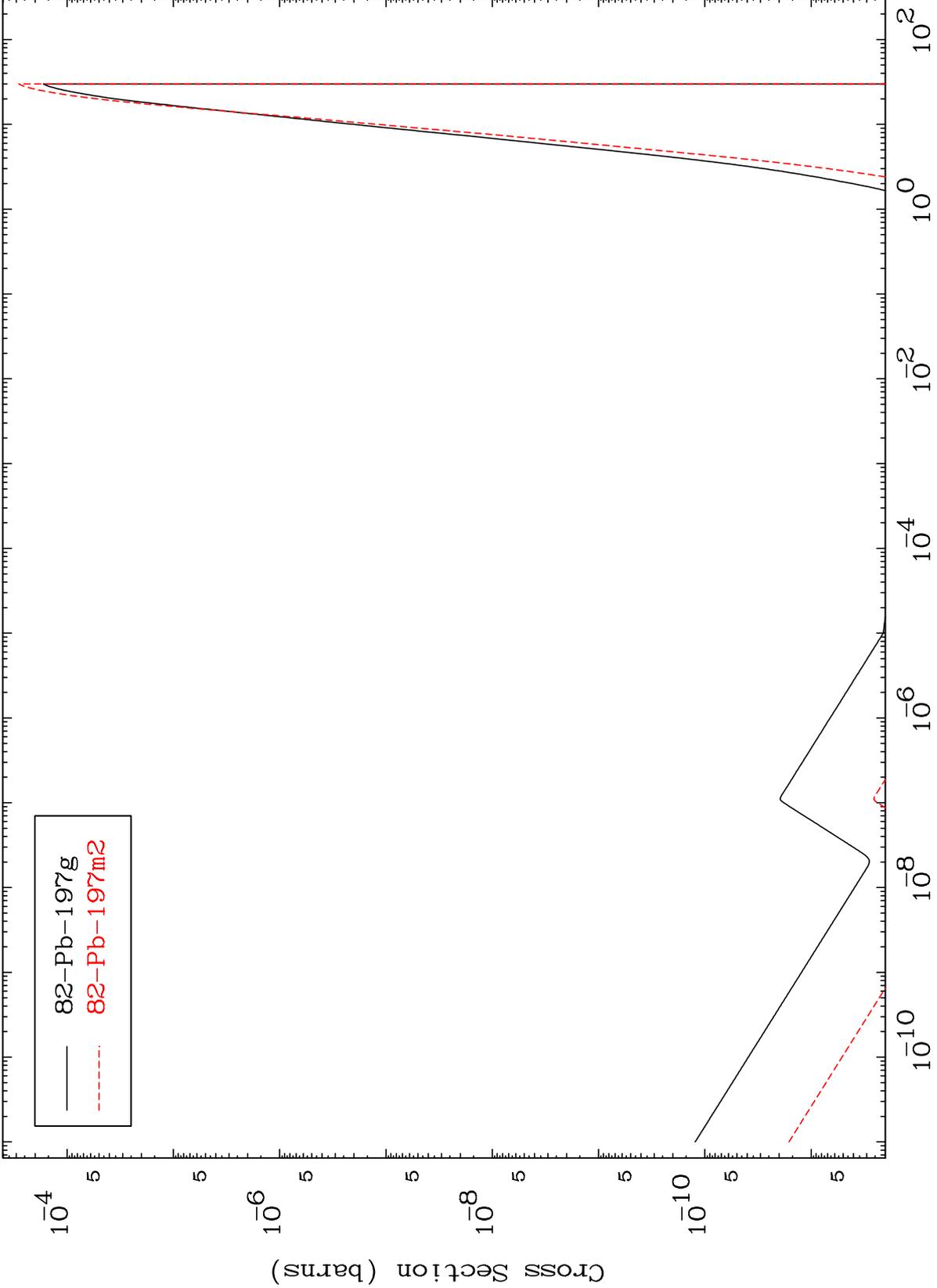
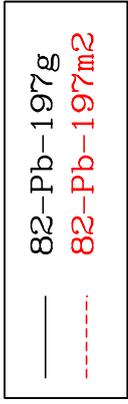
64

MAT 8519

(n,p) α

85-At-201

Radionuclide Production Cross Section



65

Incident Energy (MeV)

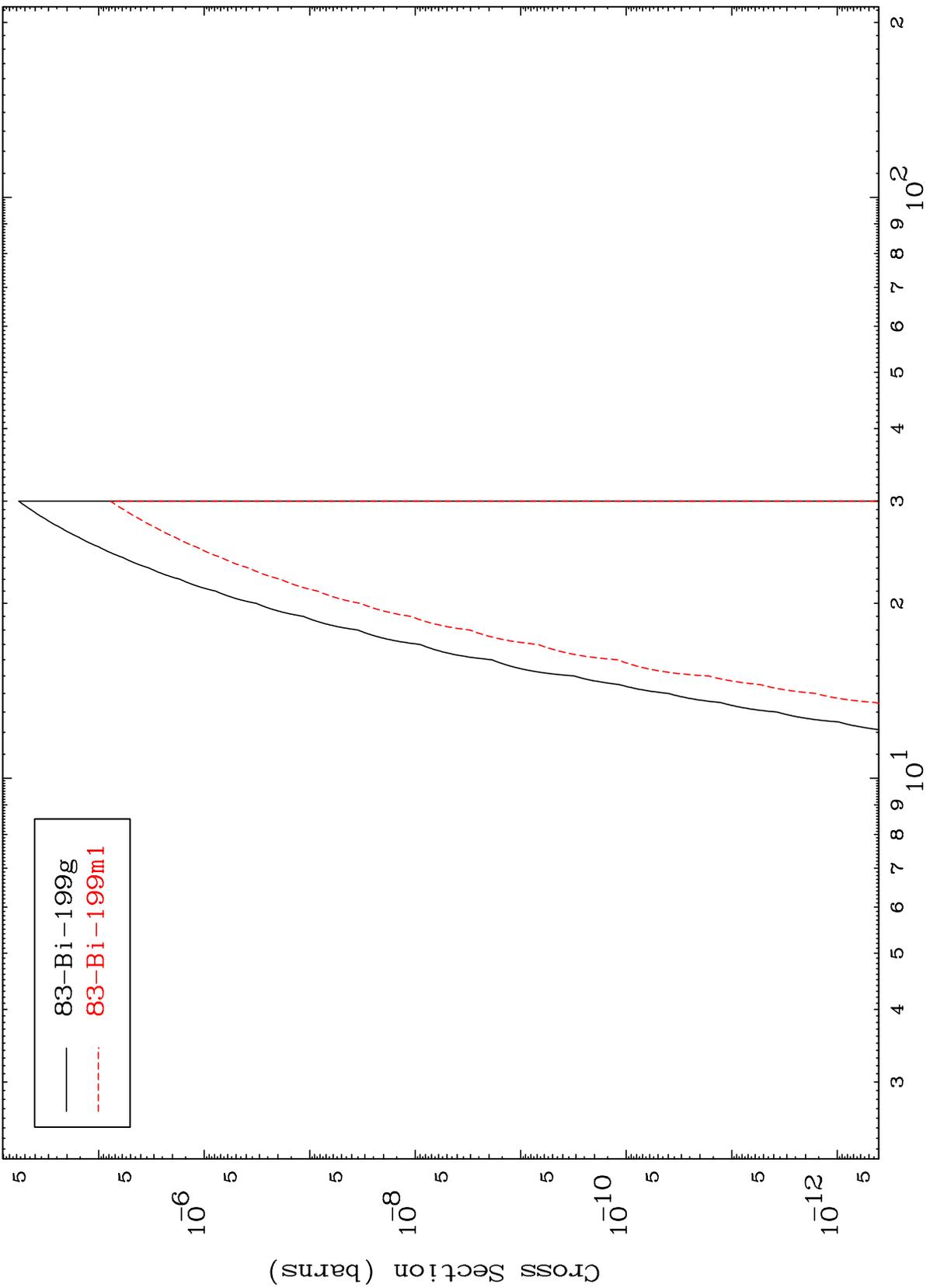
85-At-201

MAT 8519

(n,p) d

85-At-201

Radionuclide Production Cross Section



66

Incident Energy (MeV)

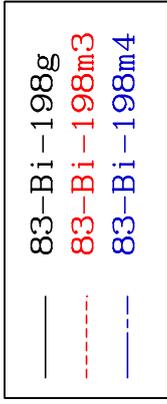
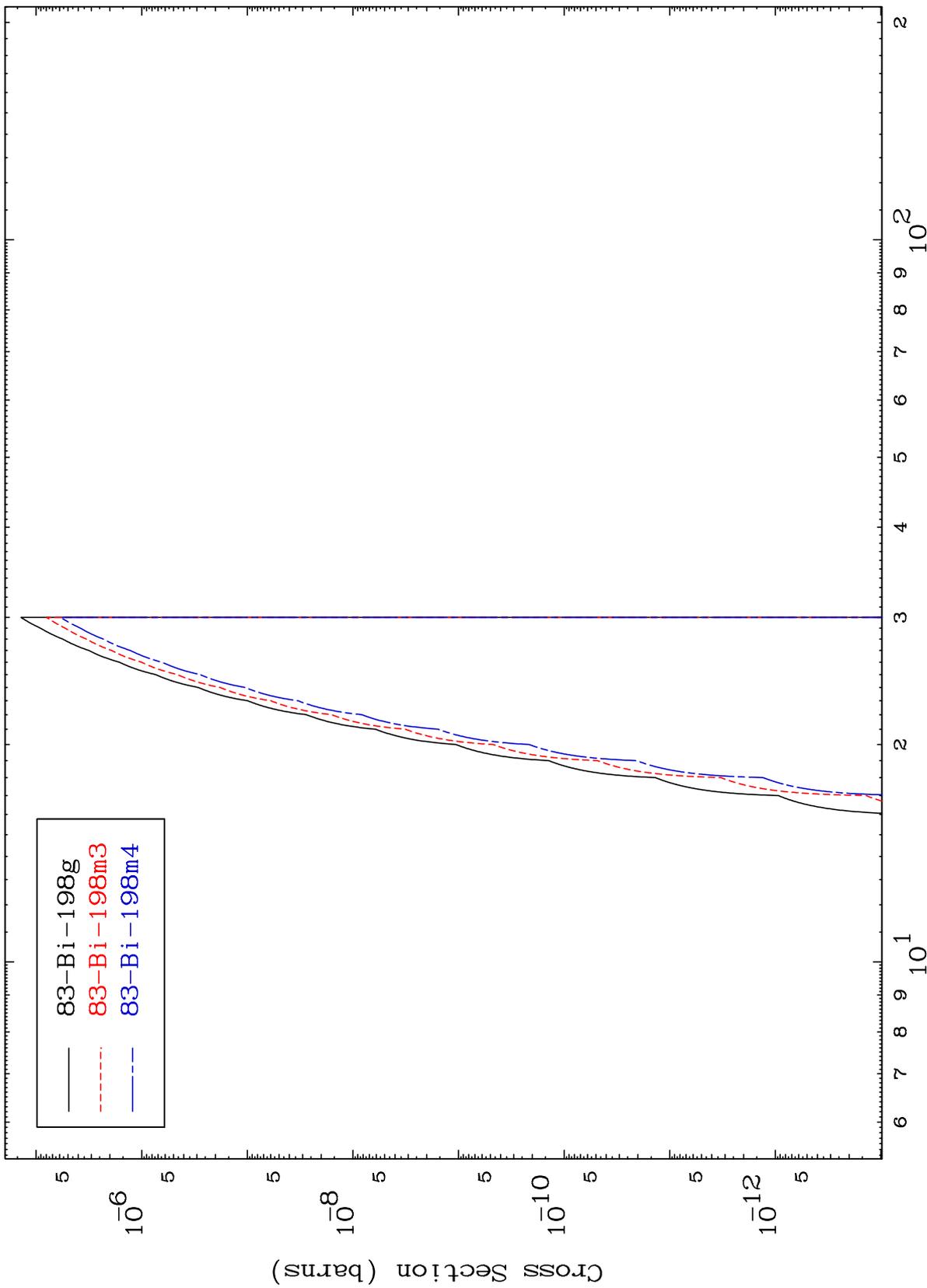
85-At-201

MAT 8519

(n,p) t

85-At-201

Radionuclide Production Cross Section



67

Incident Energy (MeV)

85-At-201