

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

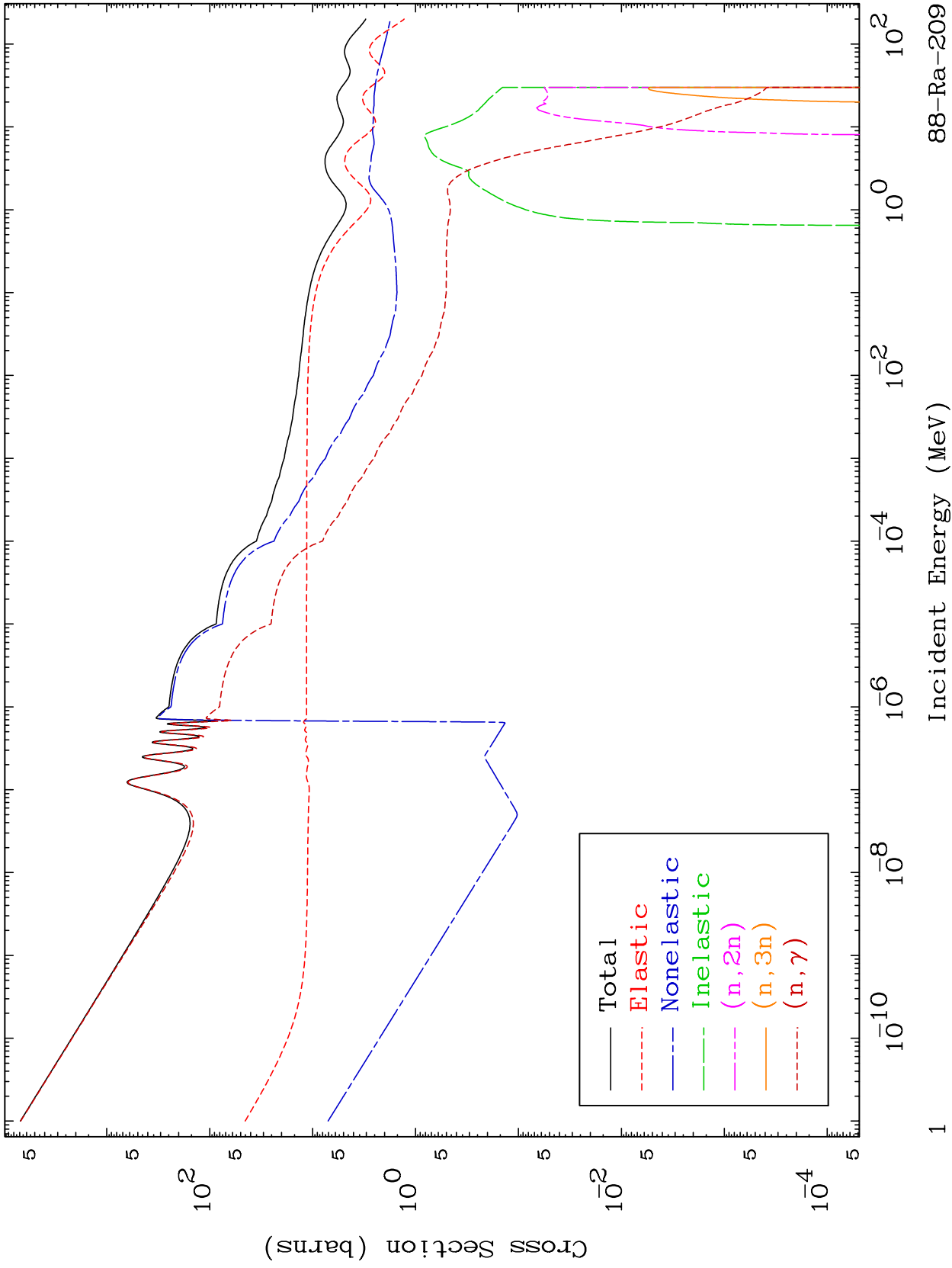
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8783

Neutron Major
293 Kelvin Cross Sections

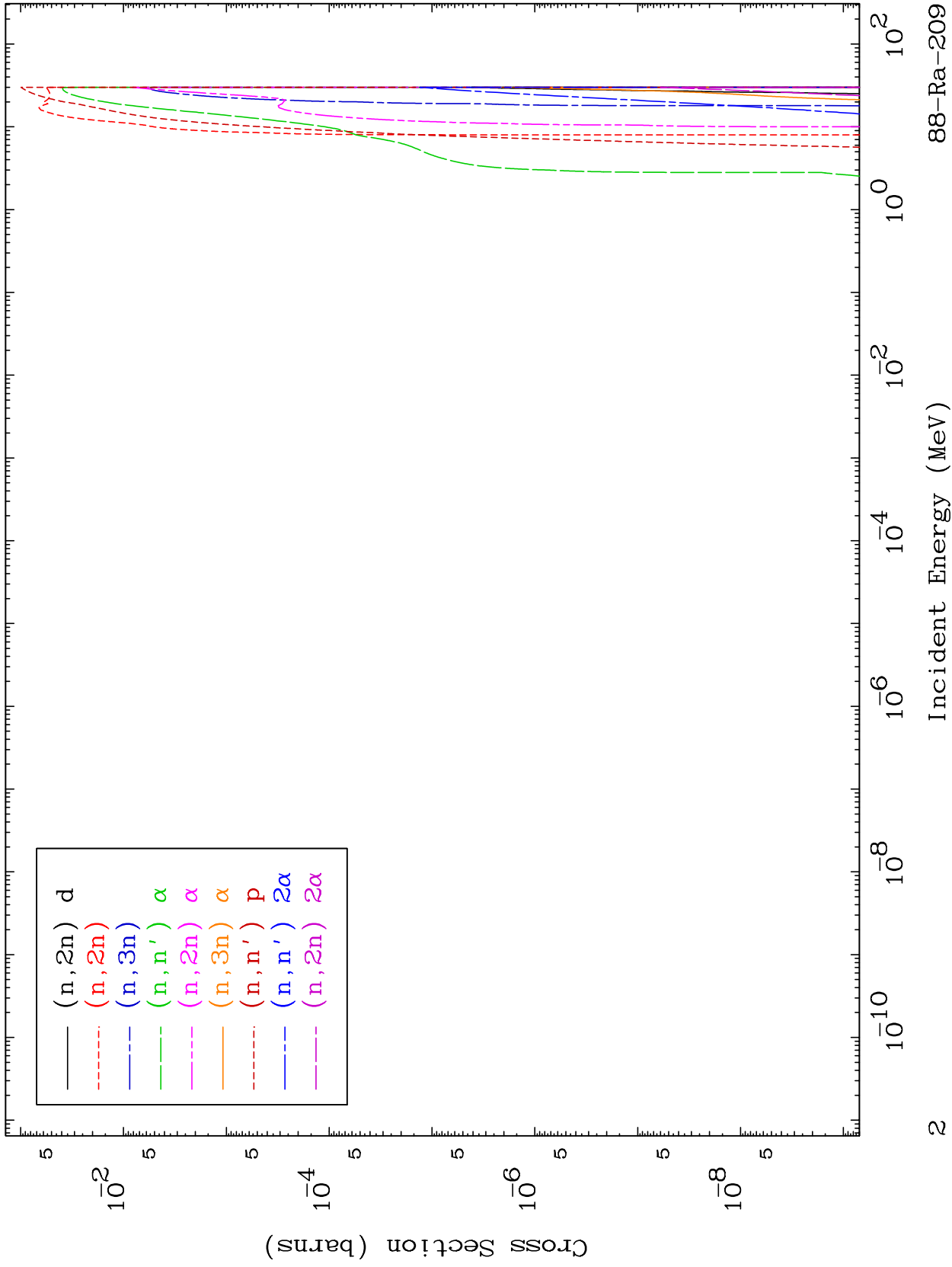
88-Ra-209



MAT 8783

Neutron Absorption
293 Kelvin Cross Sections

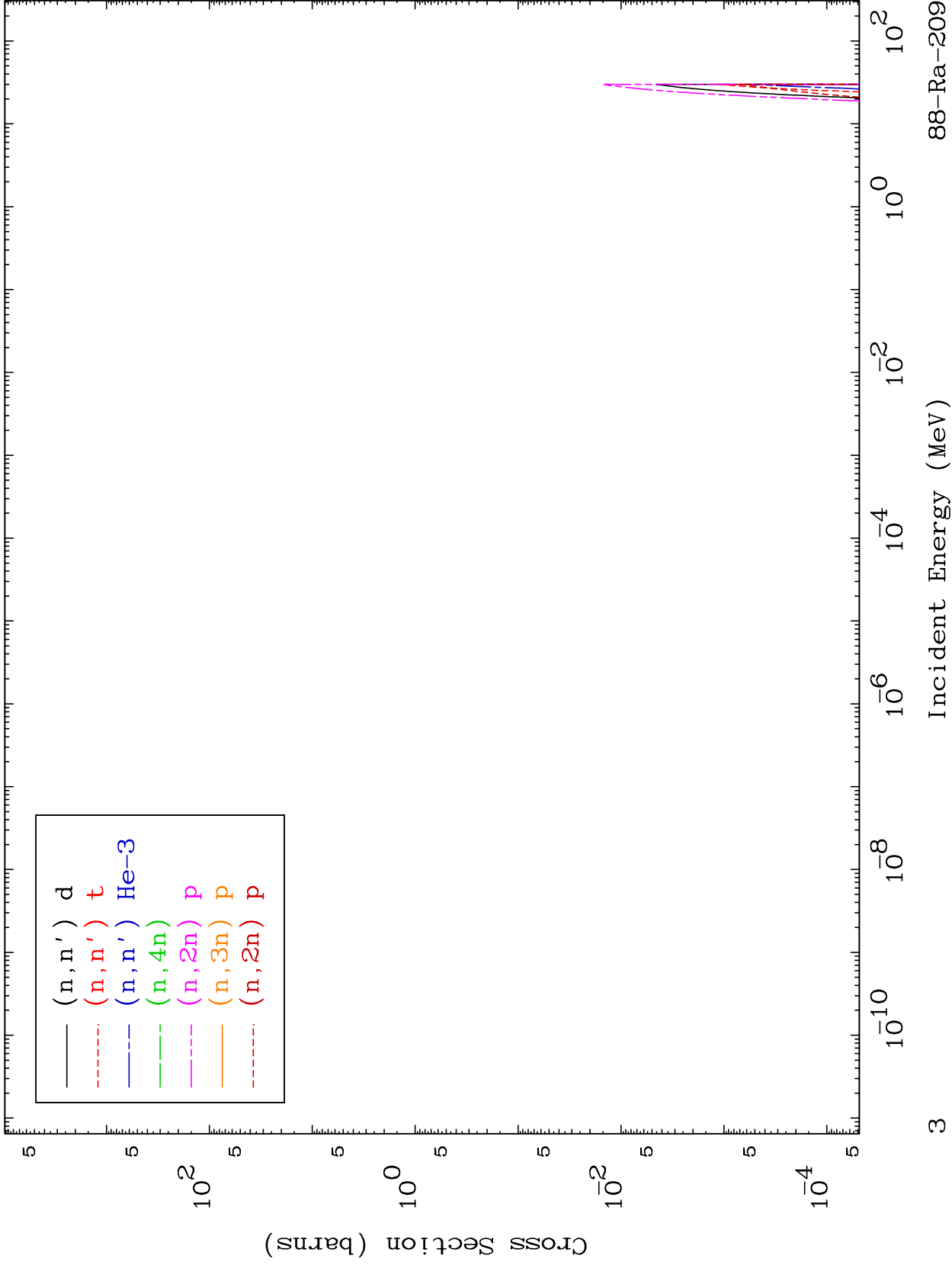
88-Ra-209



MAT 8783

Neutron Absorption
293 Kelvin Cross Sections

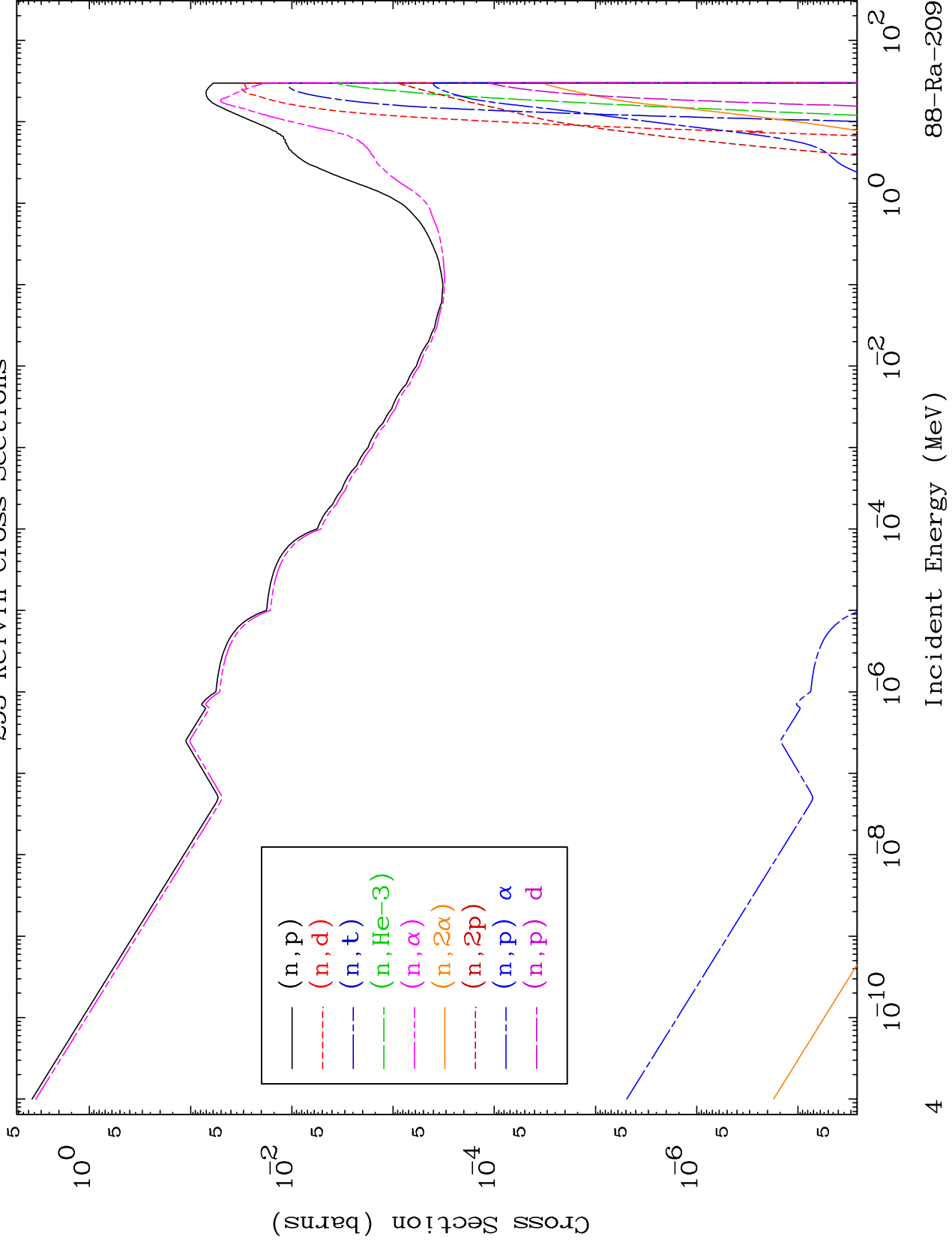
88-Ra-209

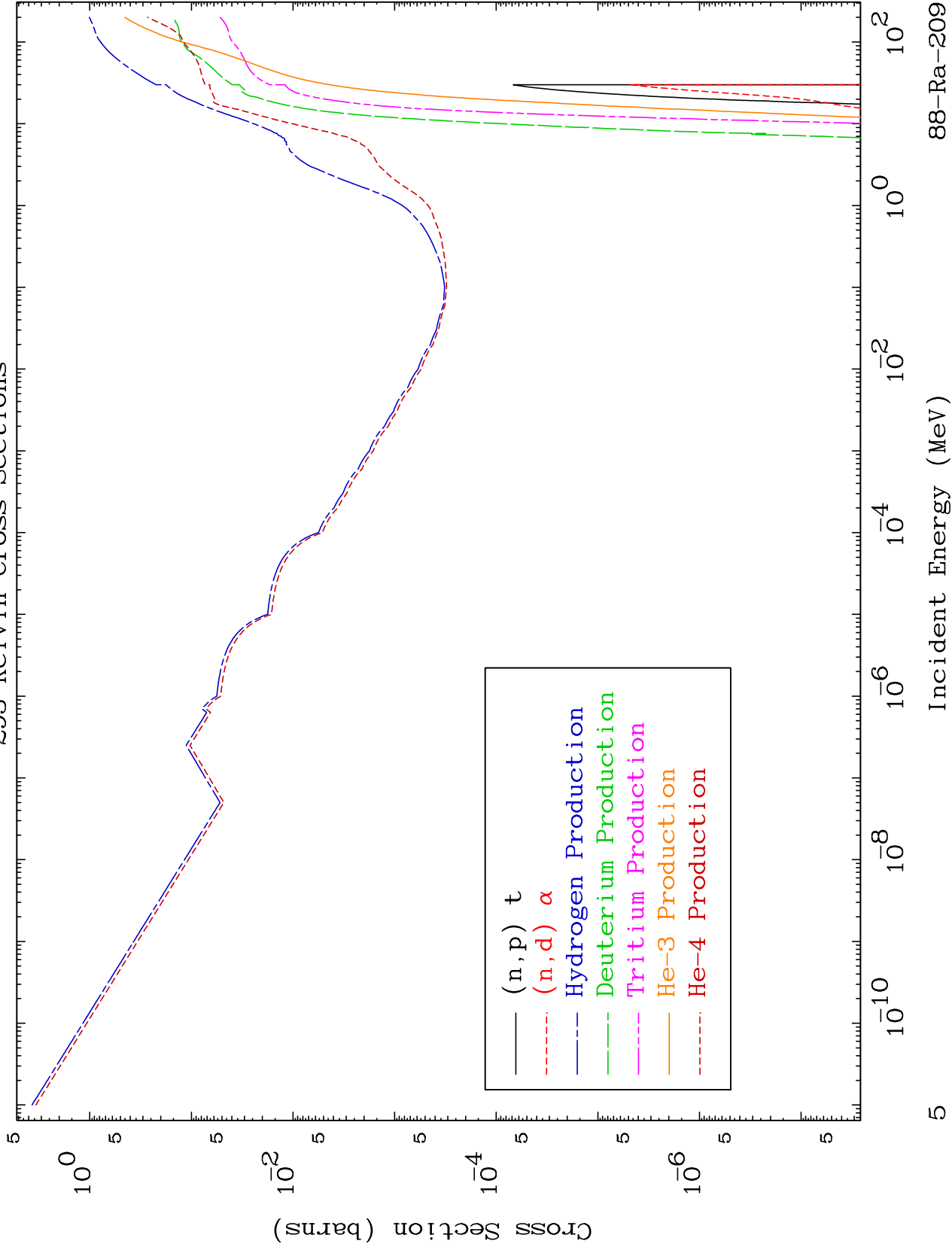


MAT 8783

Neutron Absorption
293 Kelvin Cross Sections

88-Ra-209

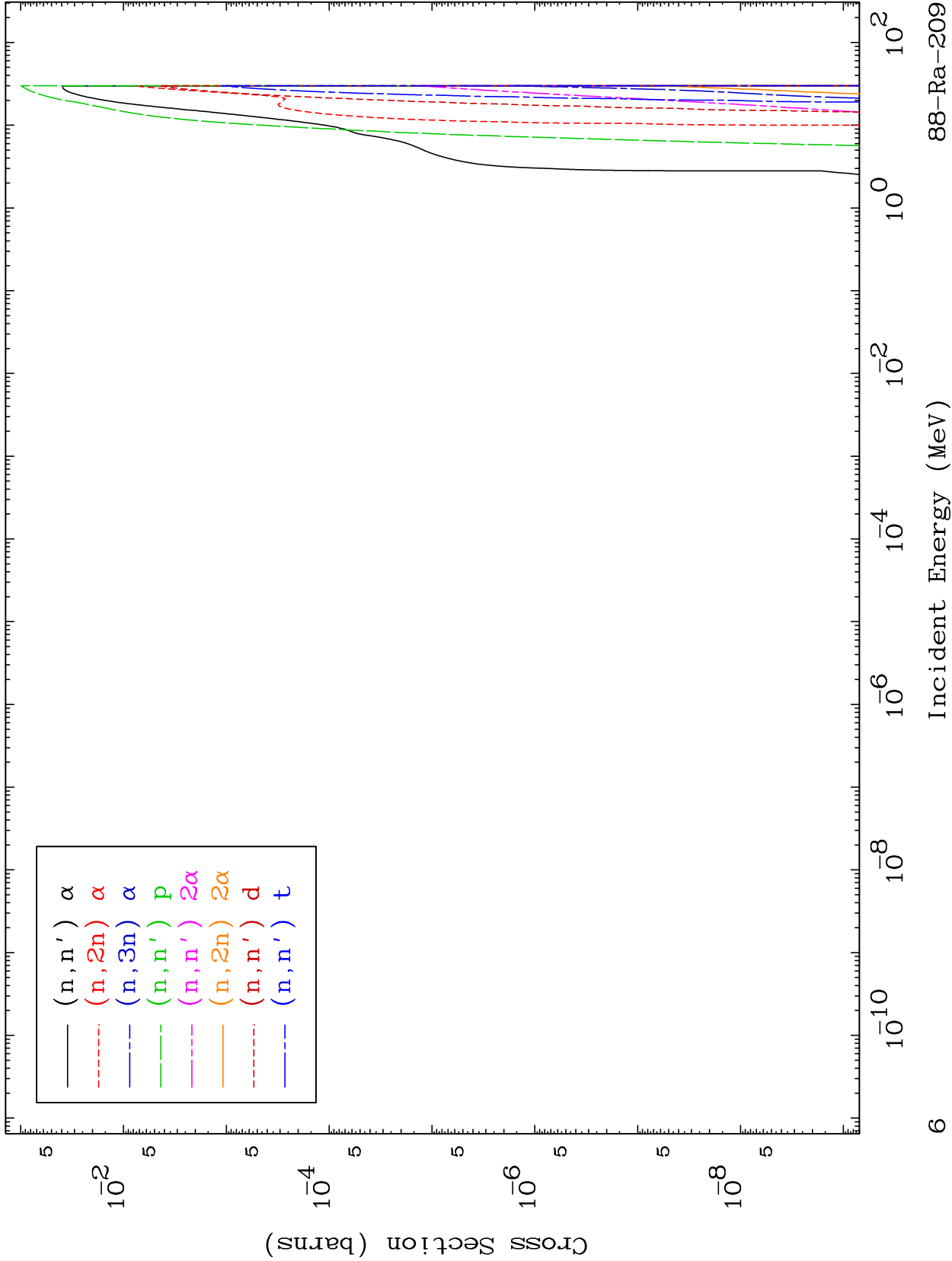




MAT 8783

Charged Particle
293 Kelvin Cross Sections

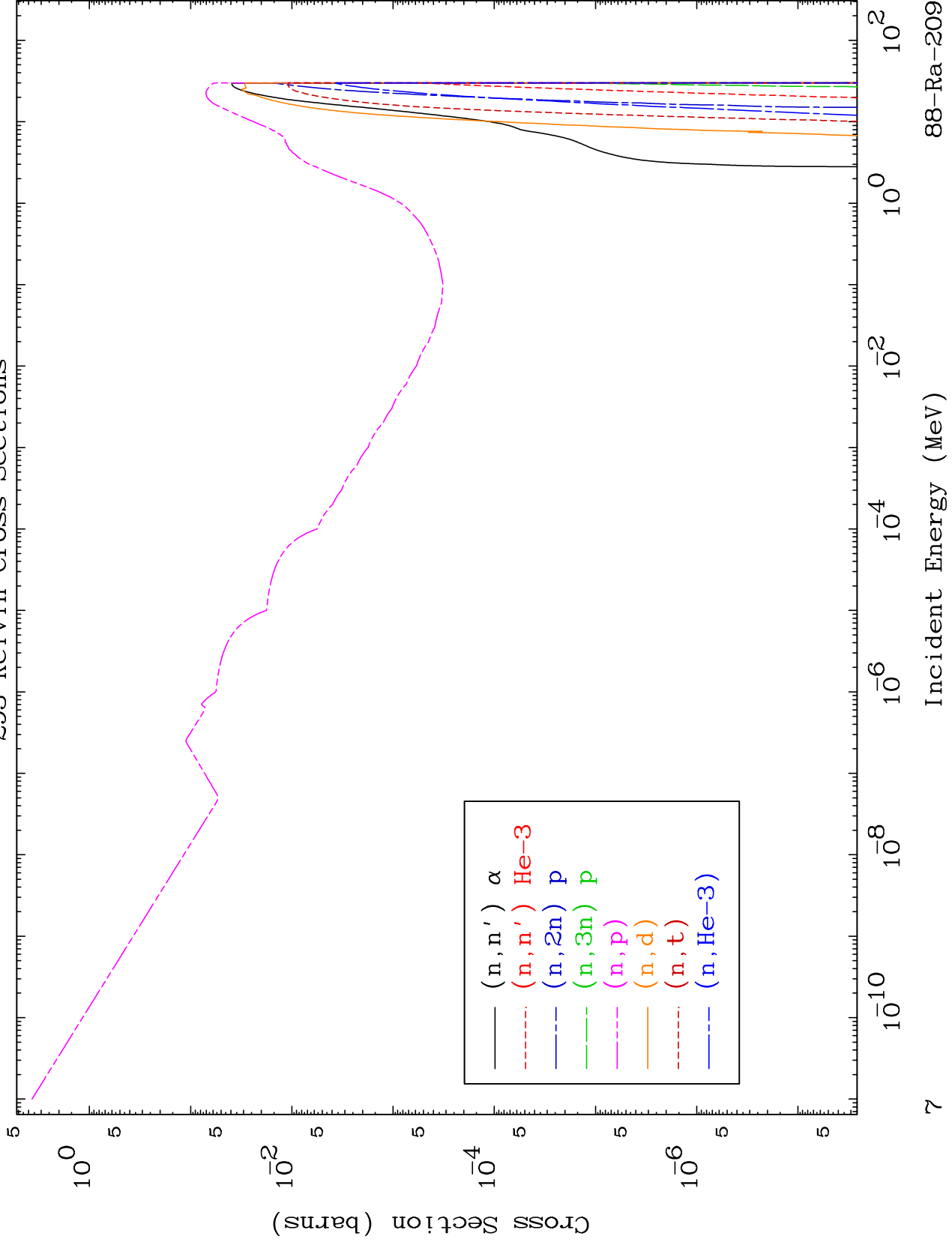
88-Ra-209



MAT 8783

Charged Particle
293 Kelvin Cross Sections

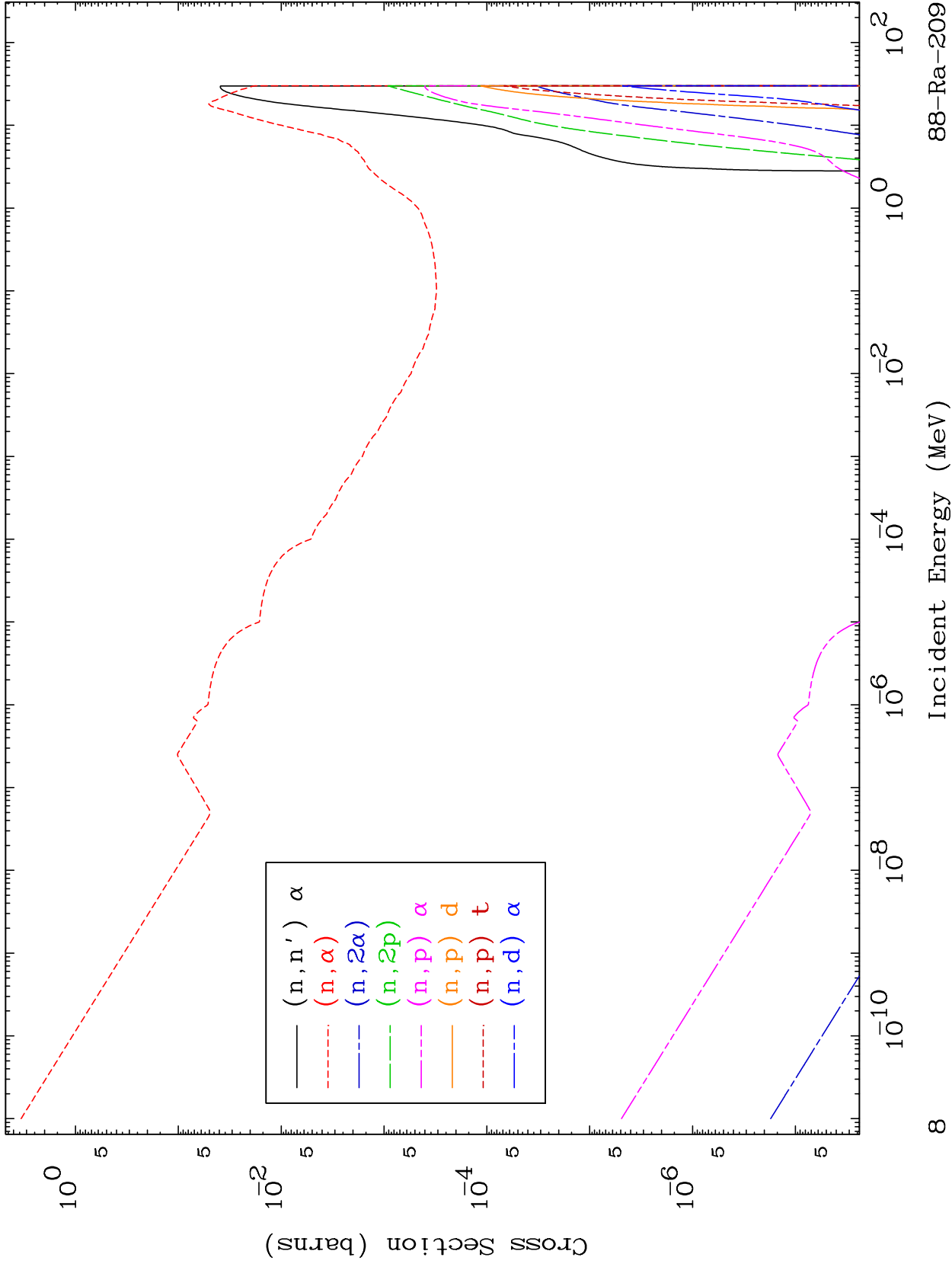
88-Ra-209



MAT 8783

Charged Particle
293 Kelvin Cross Sections

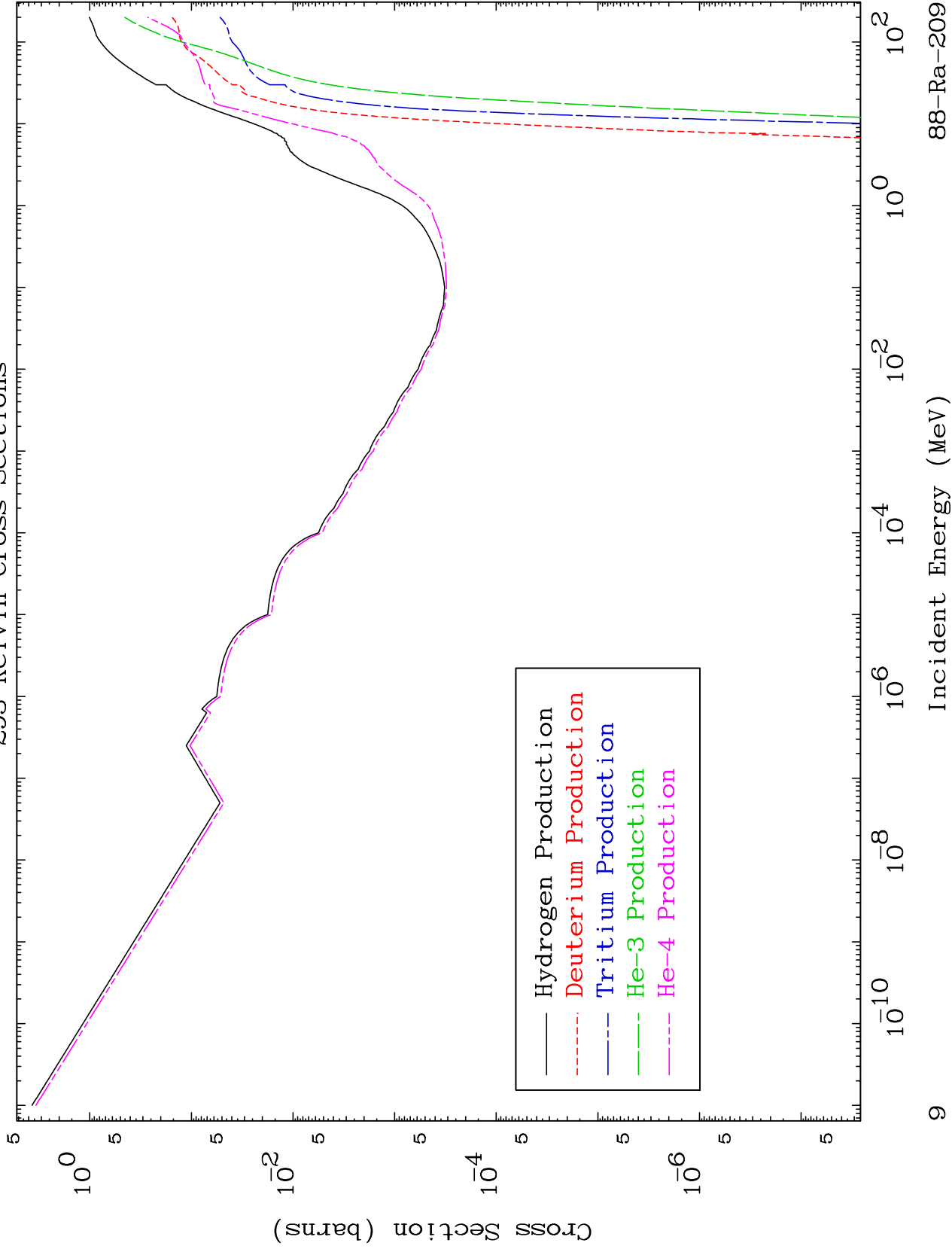
88-Ra-209



MAT 8783

Particle Production
293 Kelvin Cross Sections

88-Ra-209

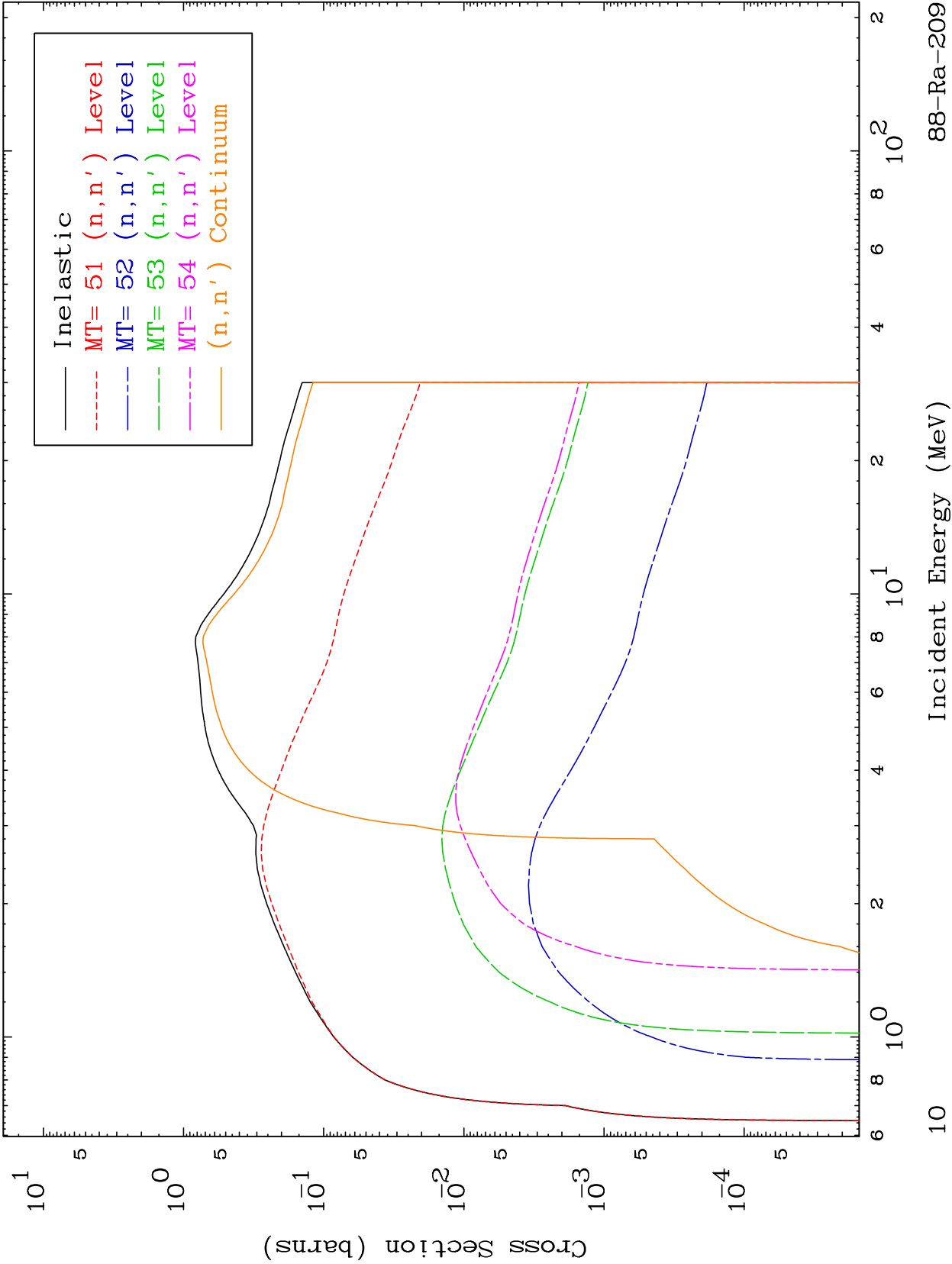


MAT 8783

(n,n') Levels

88-Ra-209

293 Kelvin Cross Sections



10

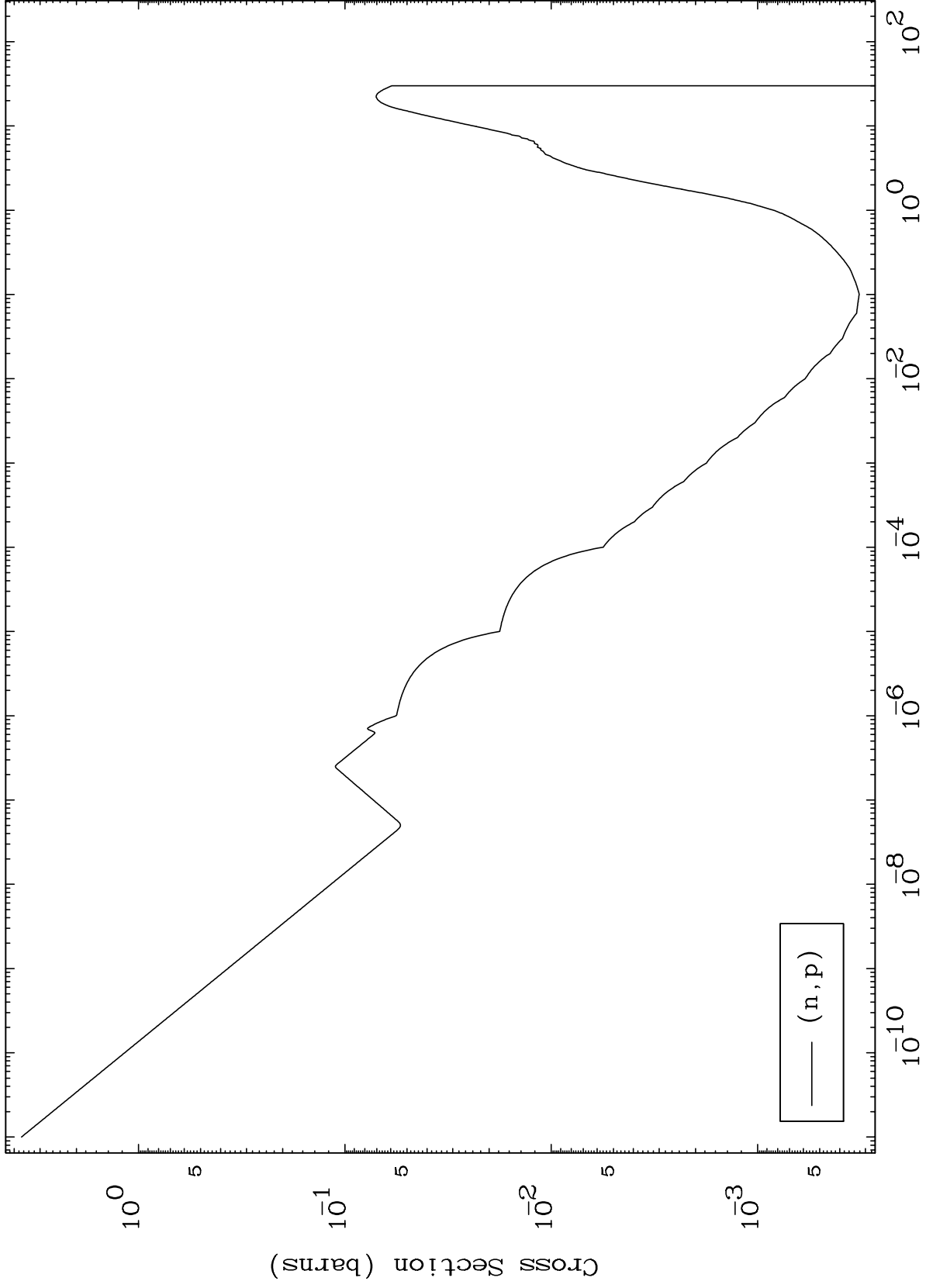
Incident Energy (MeV)

88-Ra-209

MAT 8783

(n,p) Levels
293 Kelvin Cross Sections

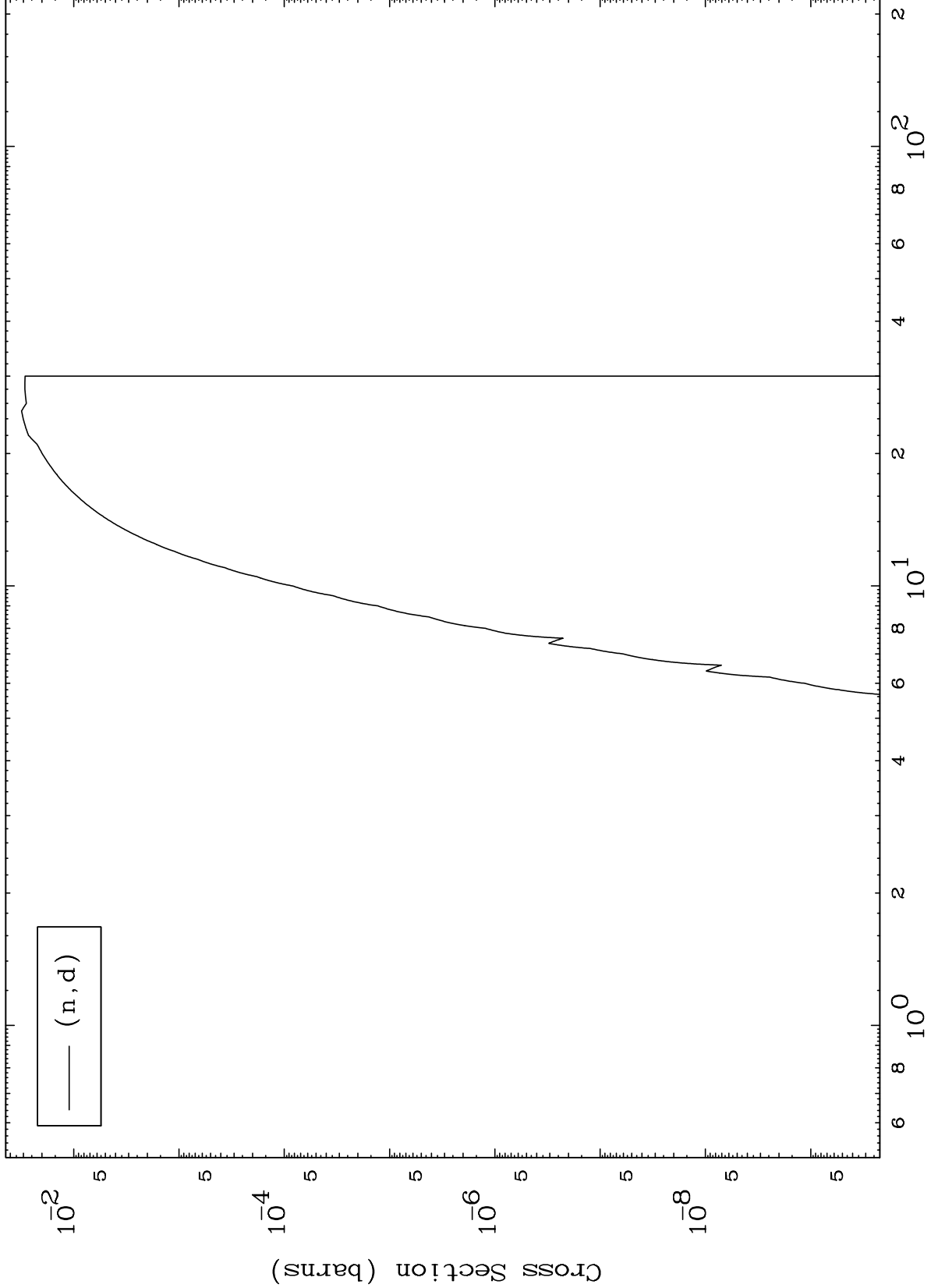
88-Ra-209



MAT 8783

(n,d) Levels
293 Kelvin Cross Sections

88-Ra-209



12

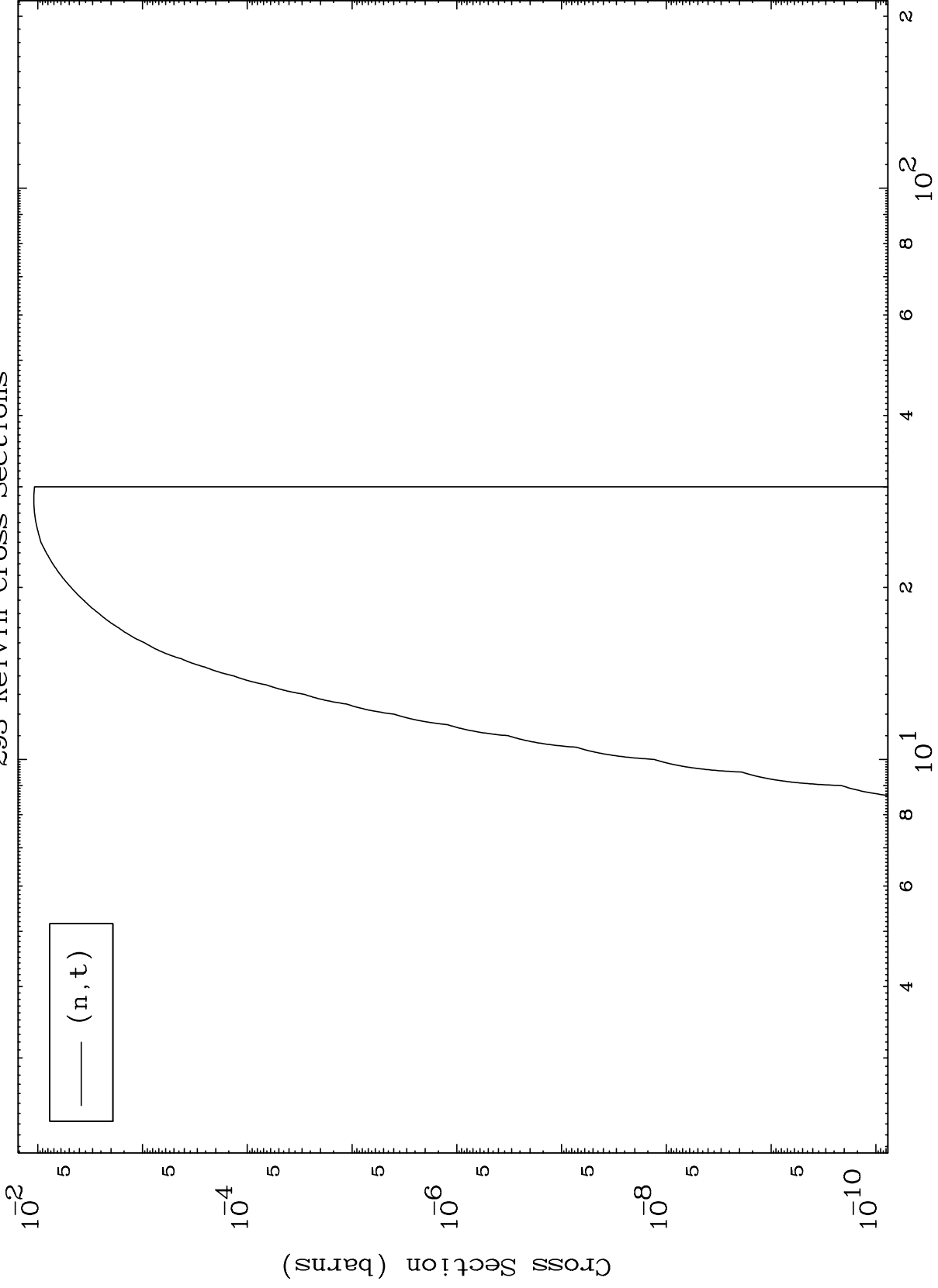
Incident Energy (MeV)

88-Ra-209

MAT 8783

(n,t) Levels
293 Kelvin Cross Sections

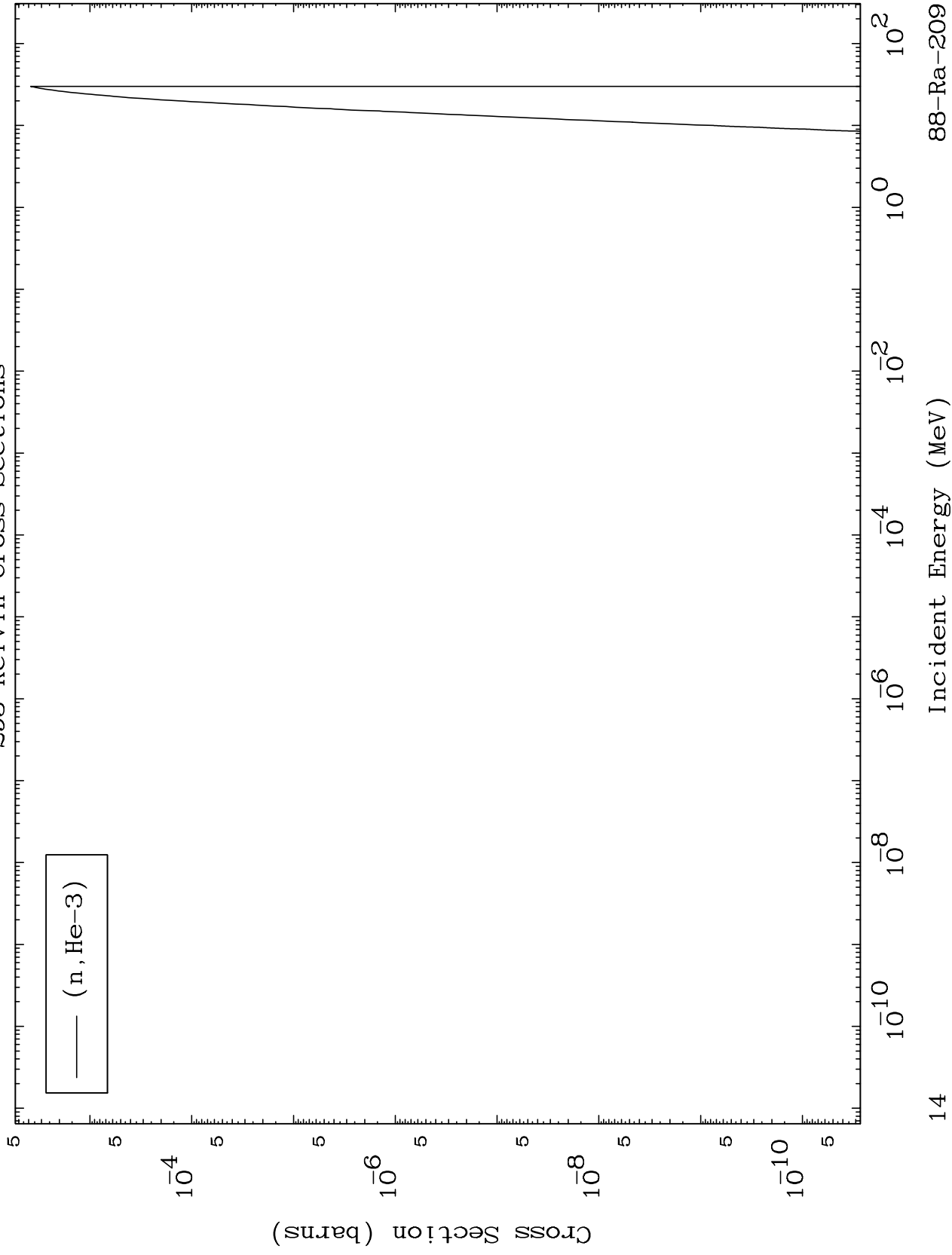
88-Ra-209



MAT 8783

(n,He3) Levels
293 Kelvin Cross Sections

88-Ra-209

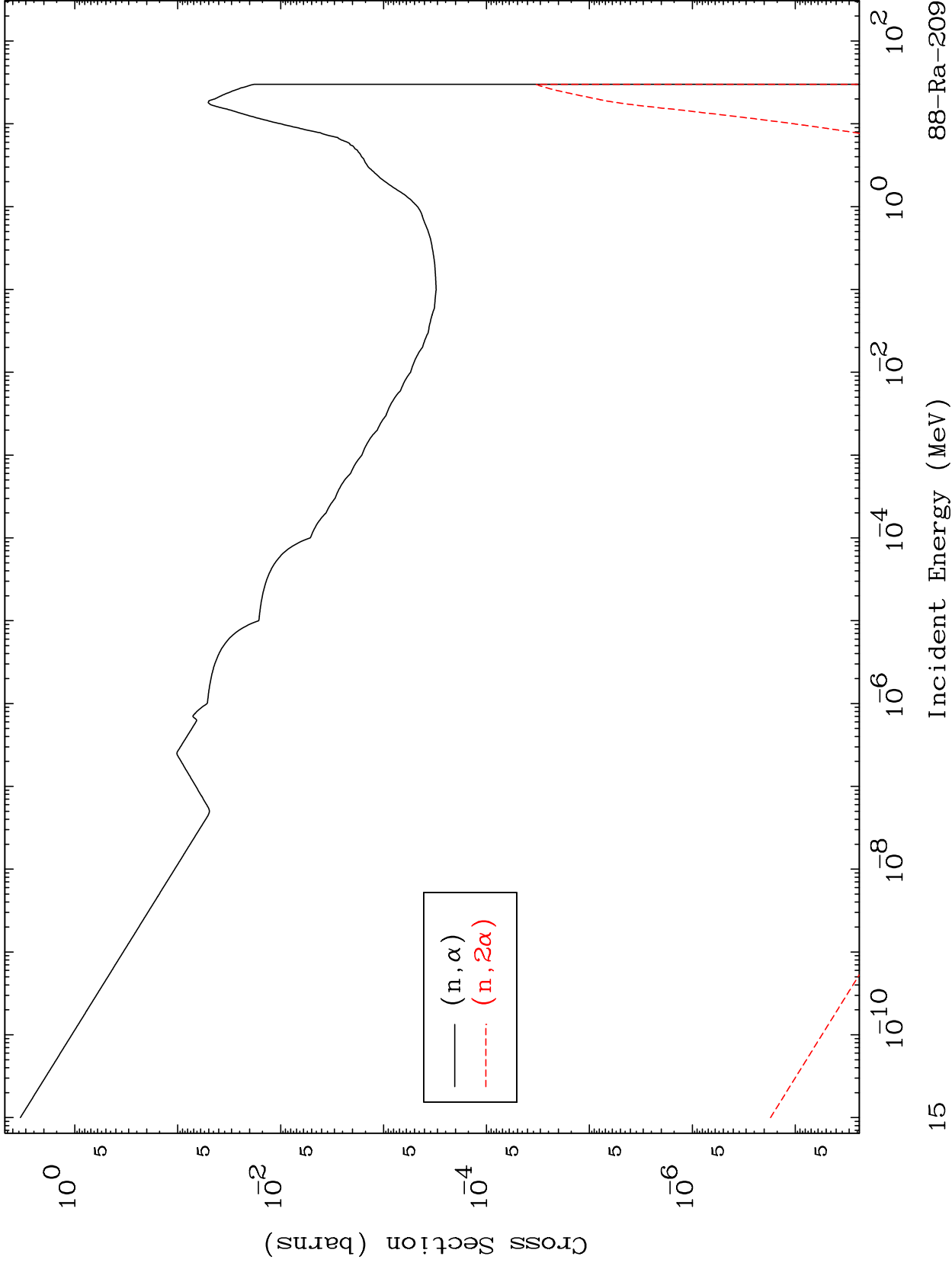


(n, He-3)

MAT 8783

(n, α) Levels
293 Kelvin Cross Sections

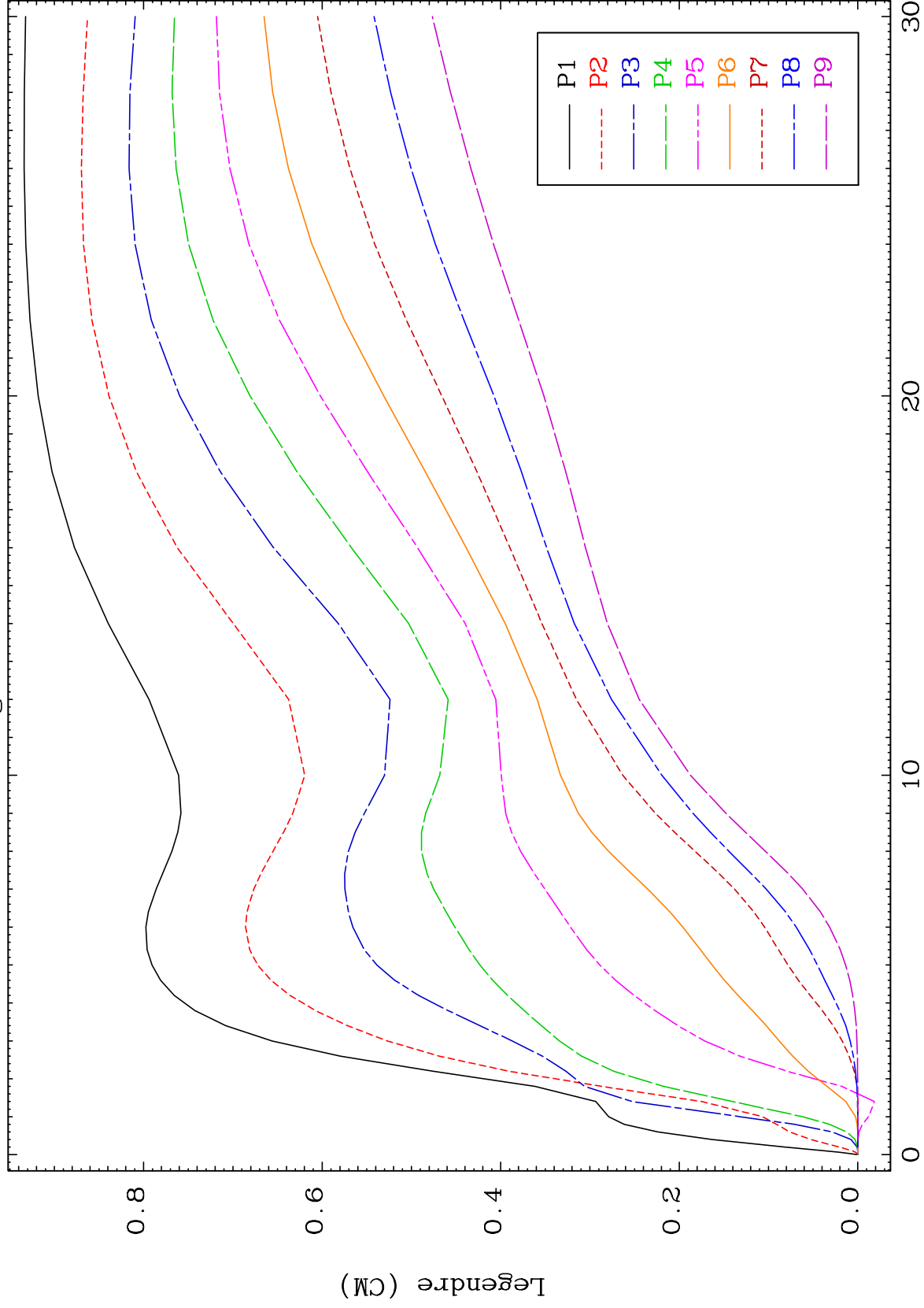
88-Ra-209



MAT 8783

Elastic Legendre Coefficients

88-Ra-209



16

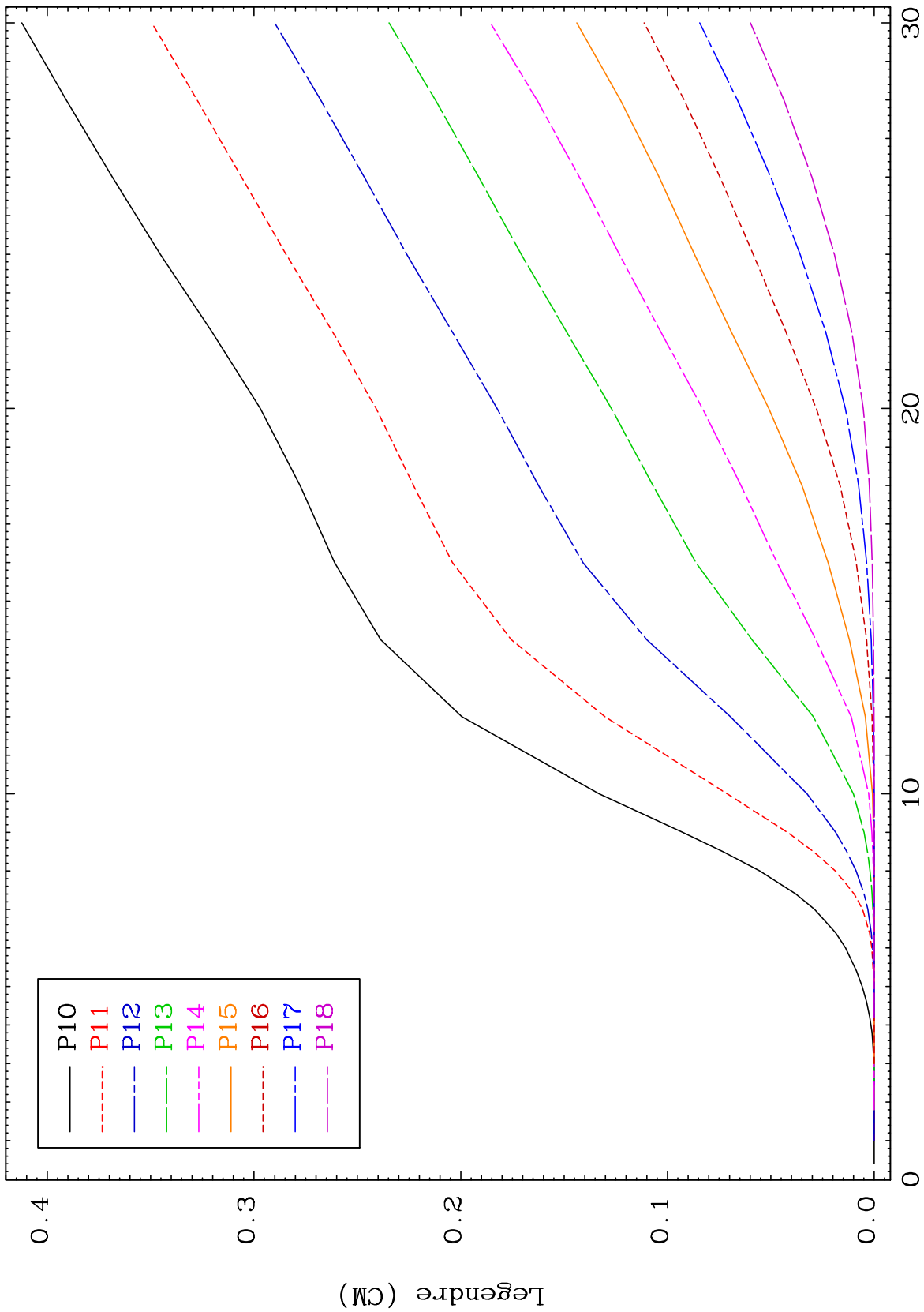
Incident Energy (MeV)

88-Ra-209

MAT 8783

Elastic Legendre Coefficients

88-Ra-209



17

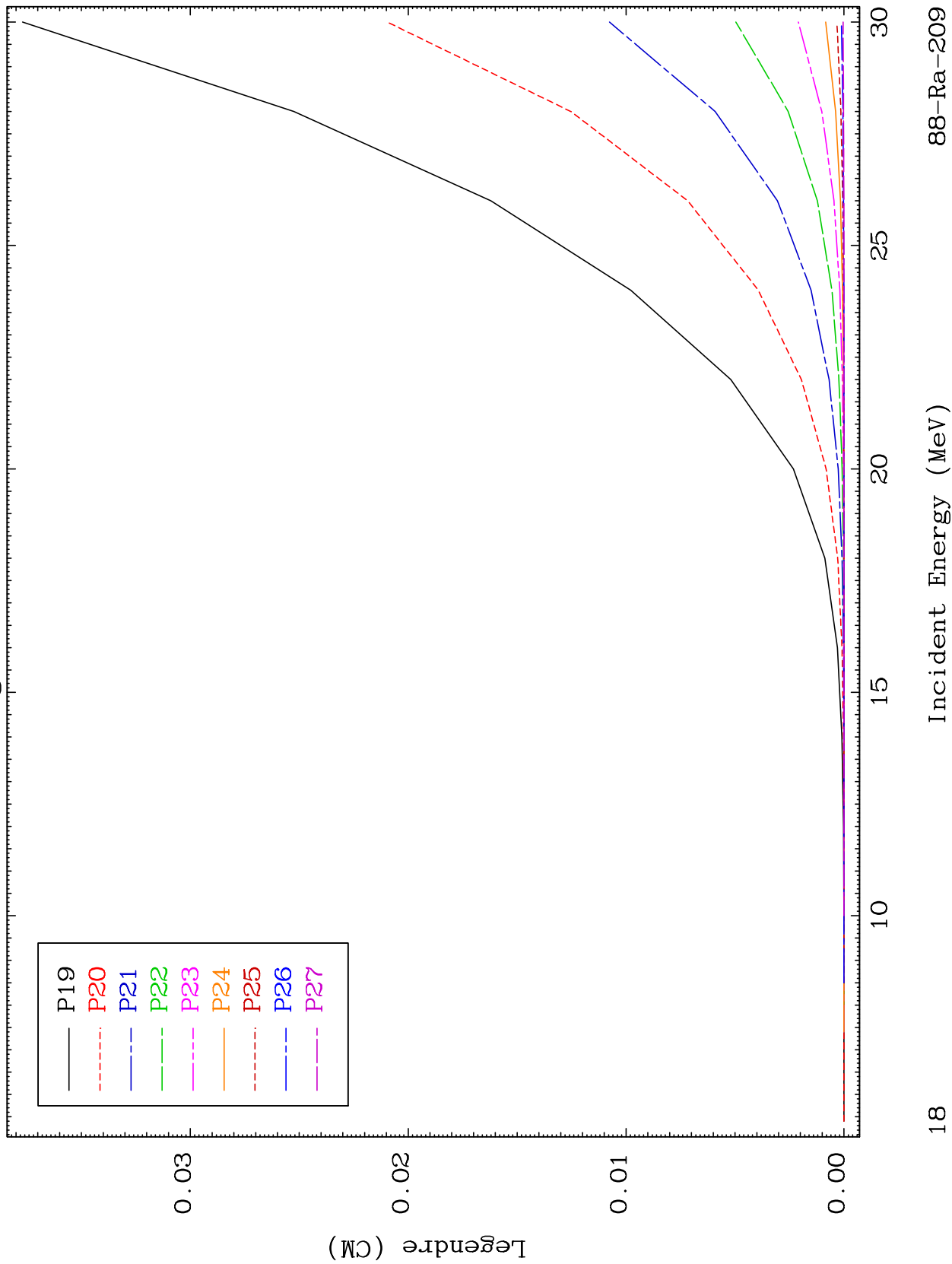
Incident Energy (MeV)

88-Ra-209

MAT 8783

Elastic Legendre Coefficients

88-Ra-209



18

Incident Energy (MeV)

88-Ra-209

30

25

20

15

10

Legendre (CM)

0.03

0.02

0.01

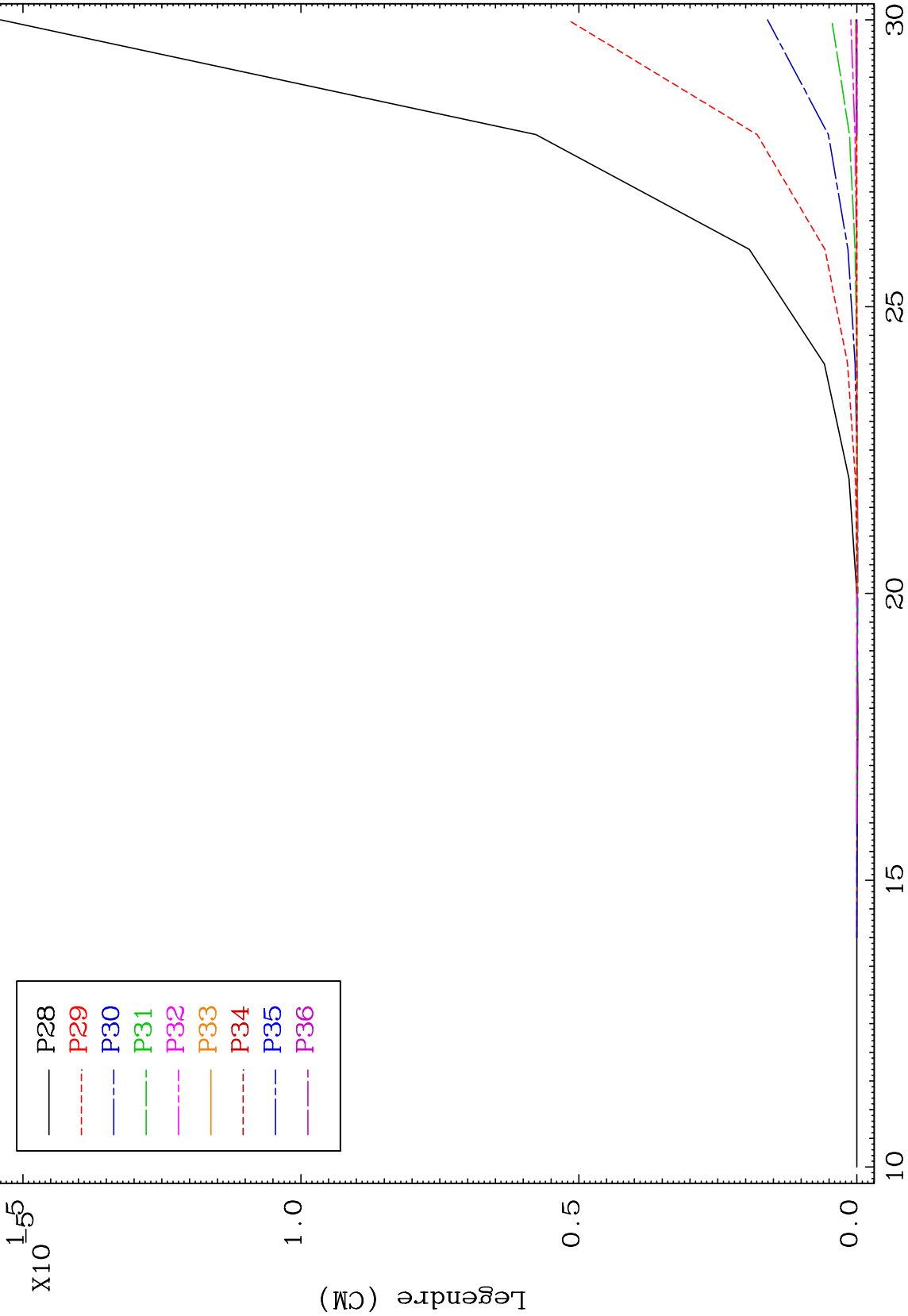
0.00

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 8783

Elastic Legendre Coefficients

88-Ra-209



19

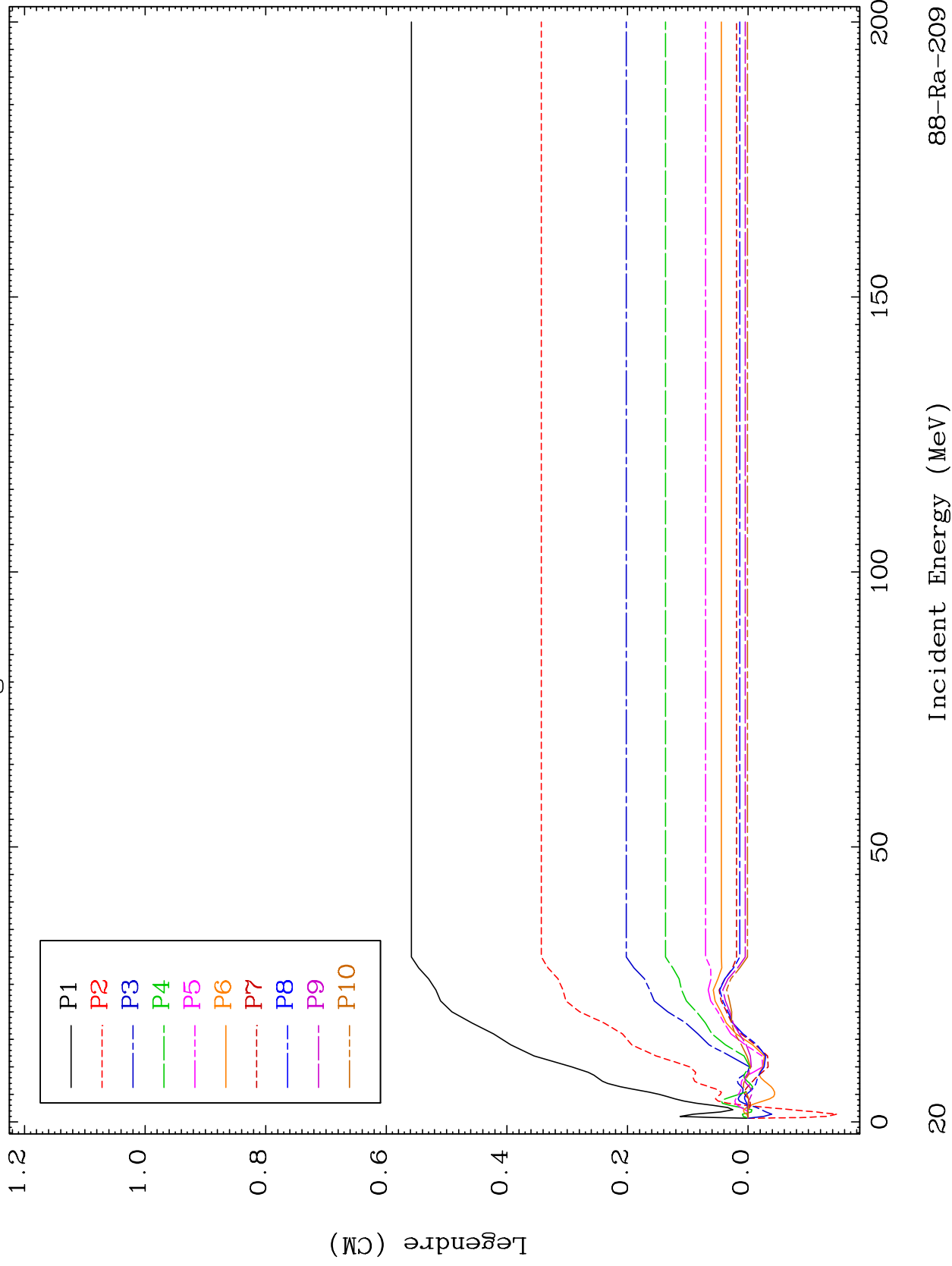
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

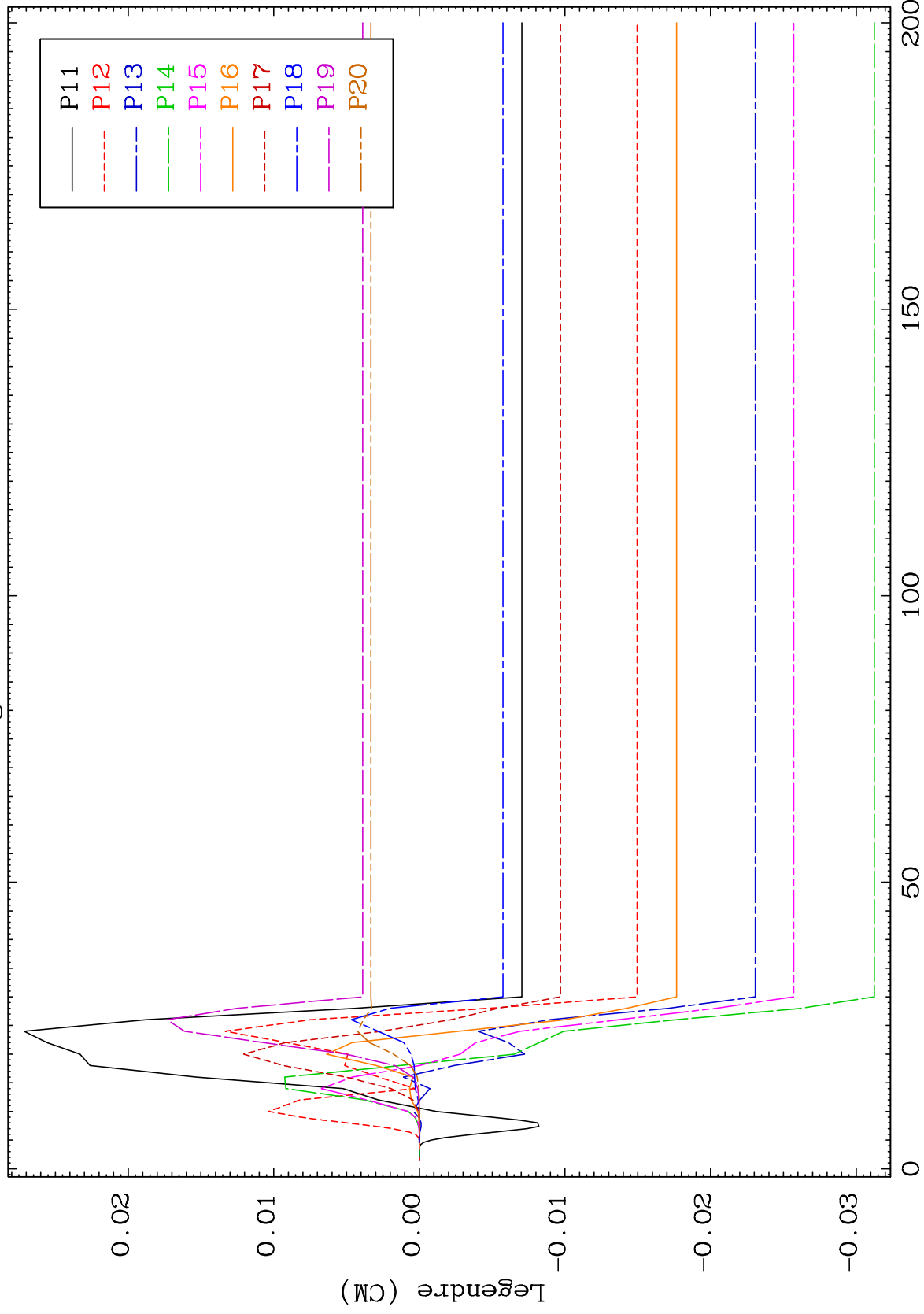
88-Ra-209



MAT 8783

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

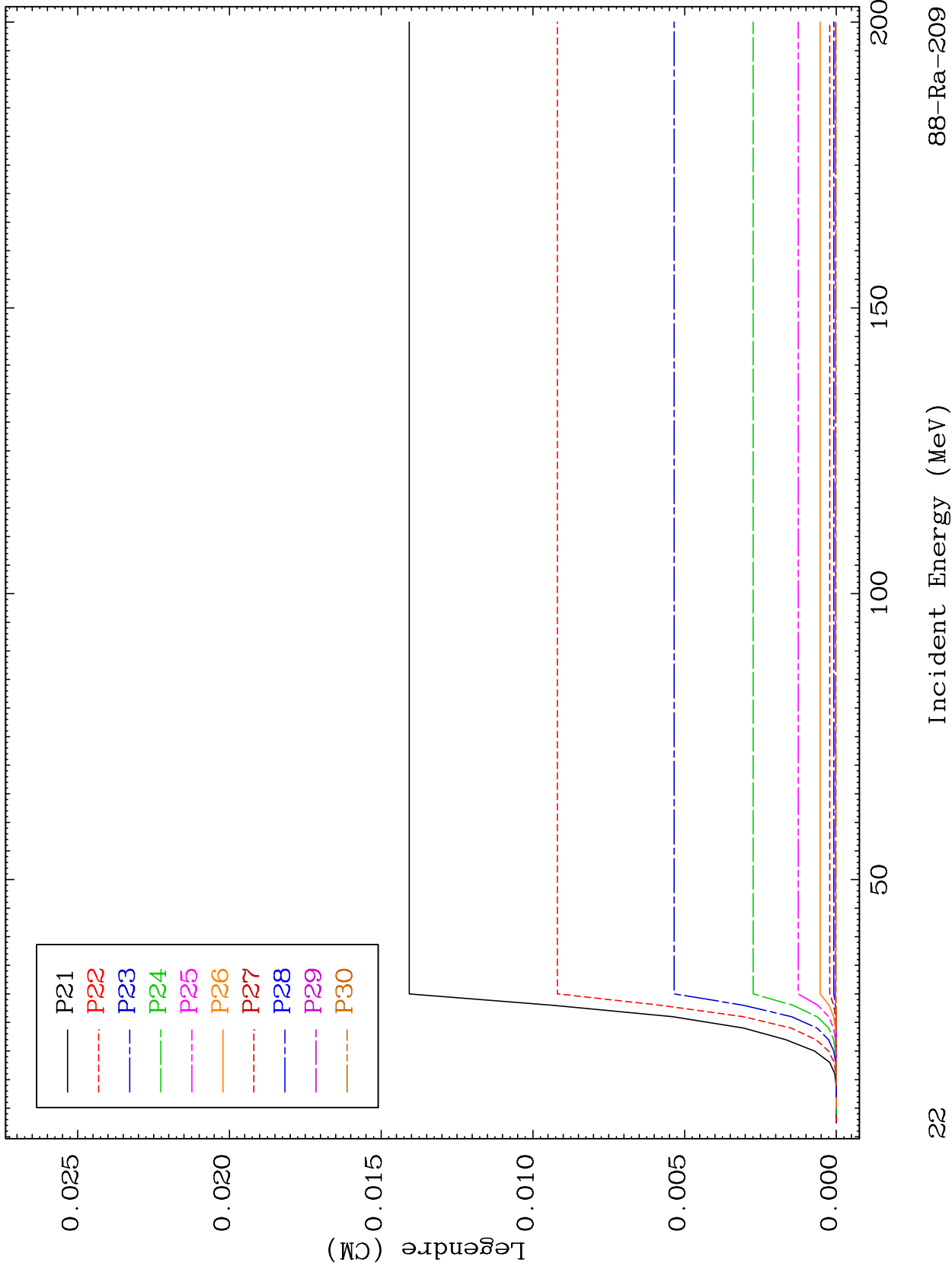
88-Ra-209



21

Incident Energy (MeV)

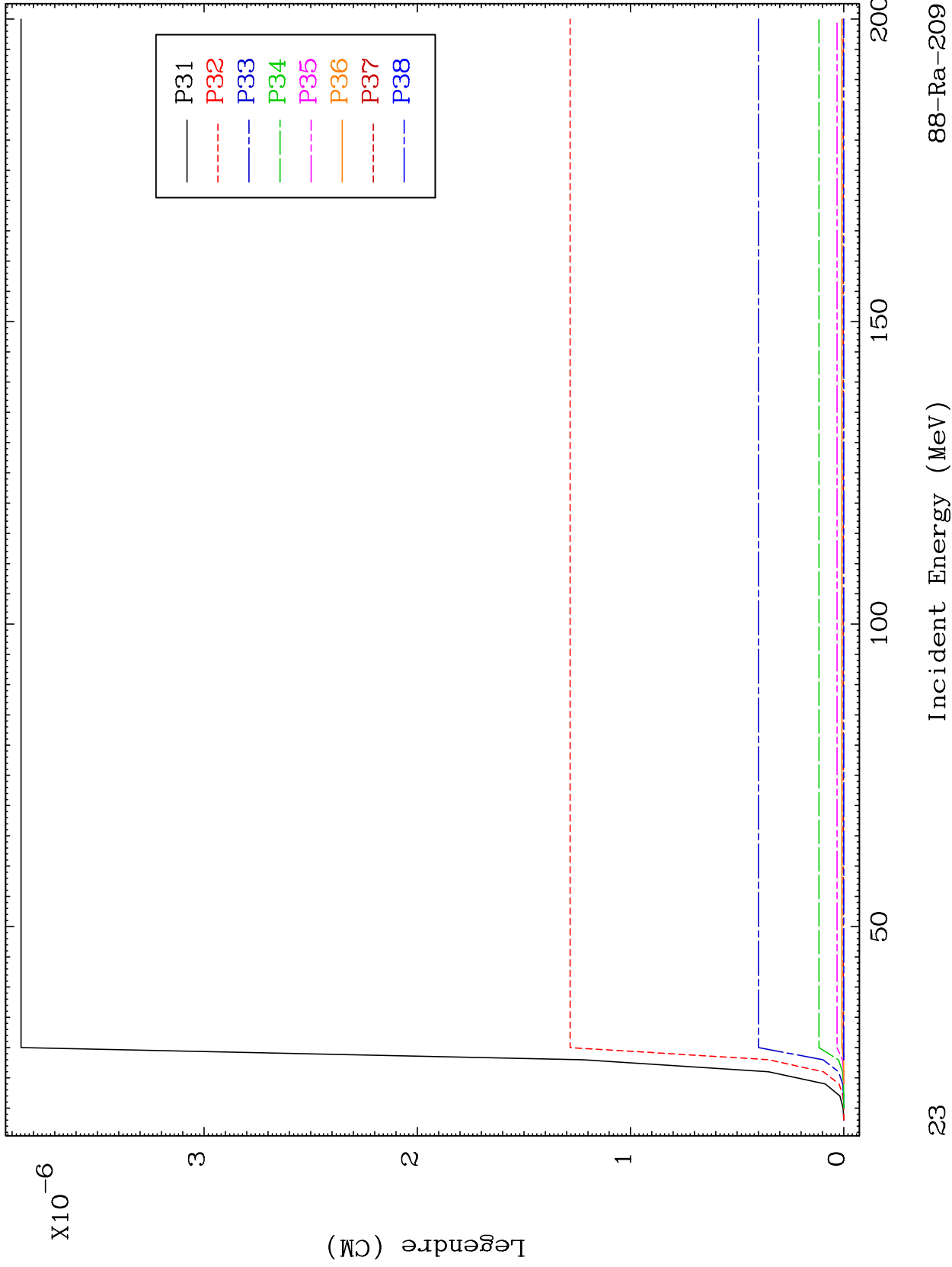
88-Ra-209



MAT 8783

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

88-Ra-209



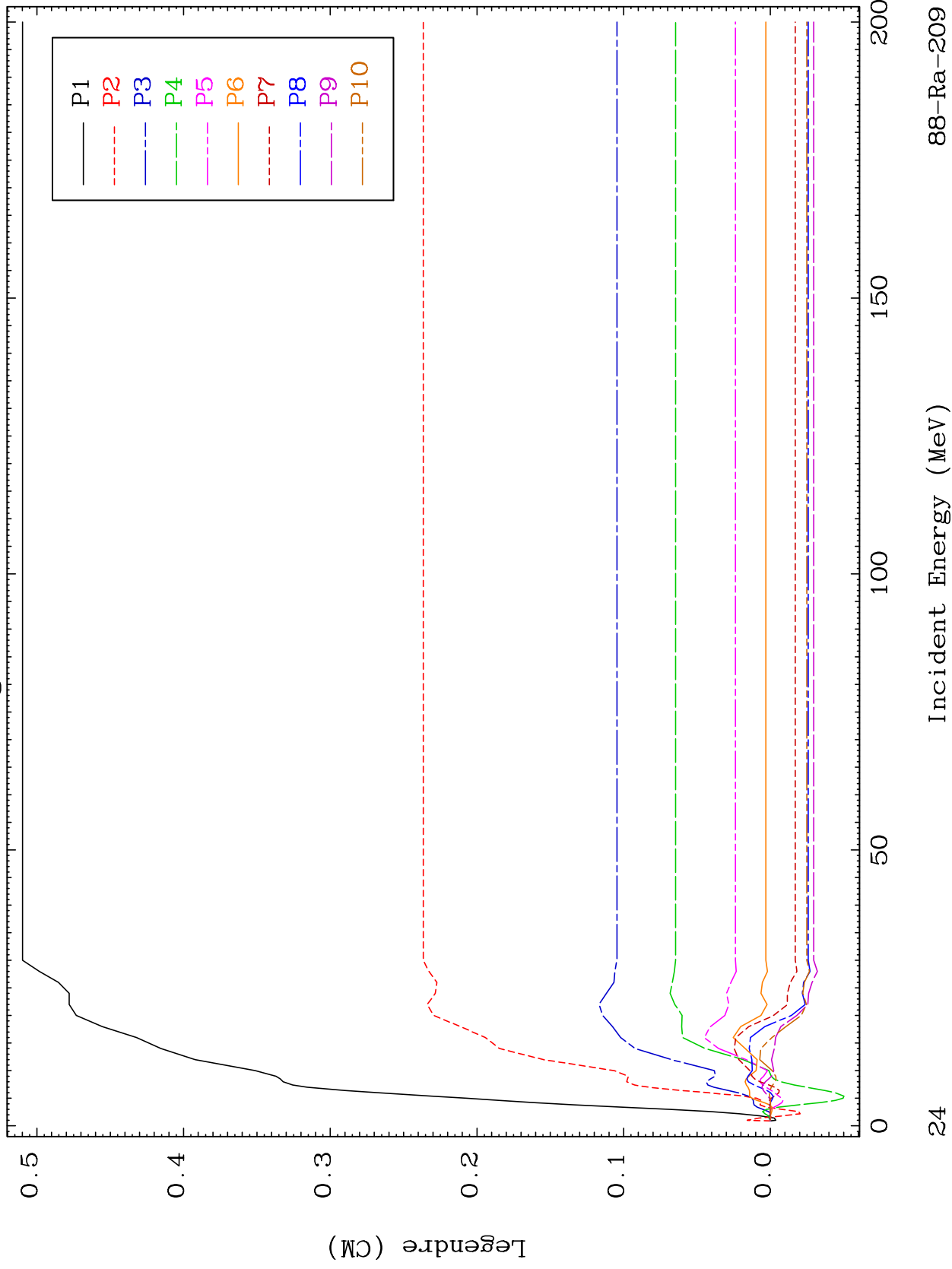
23

88-Ra-209

MAT 8783

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

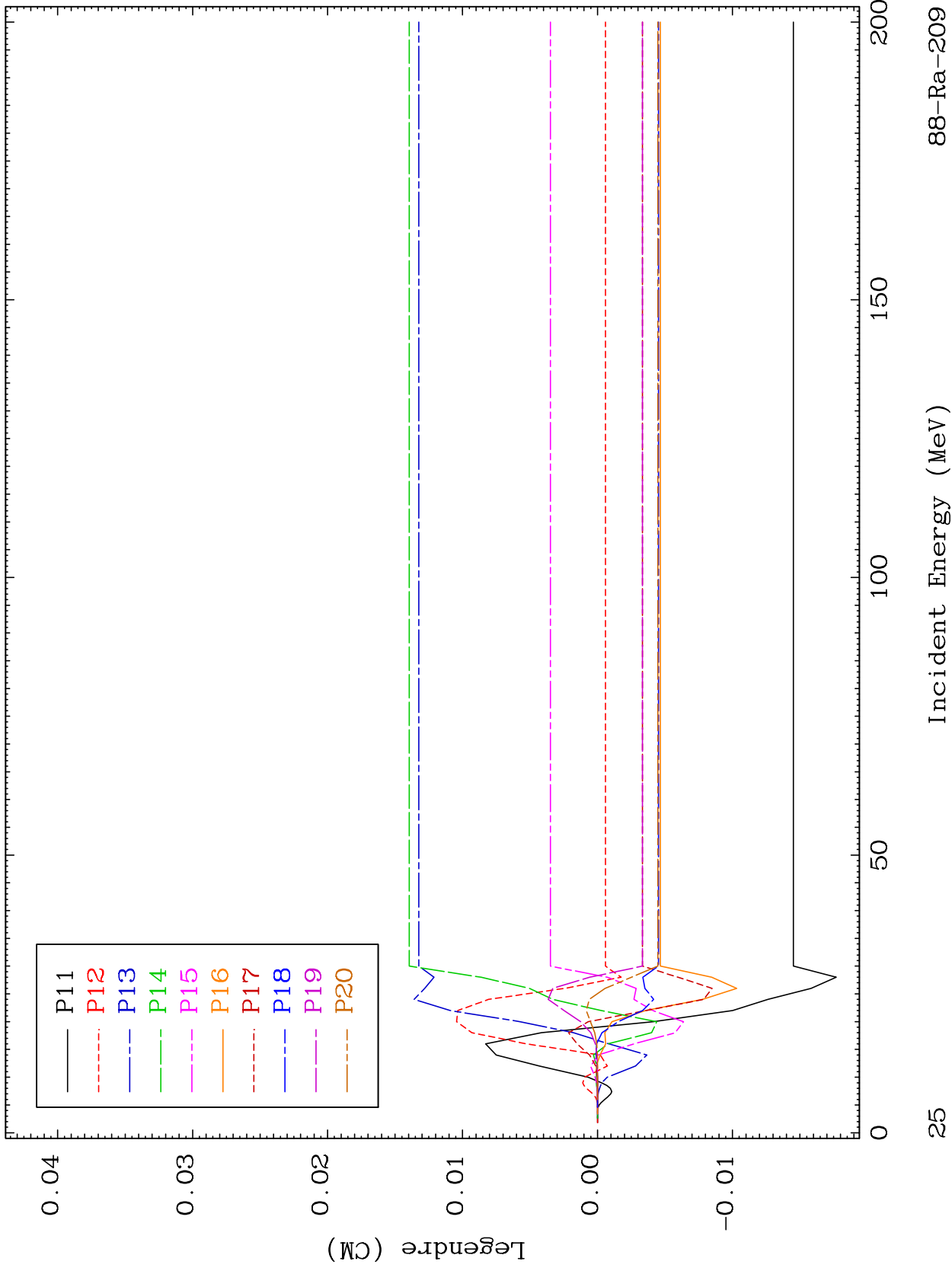
88-Ra-209



MAT 8783

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

88-Ra-209



88-Ra-209

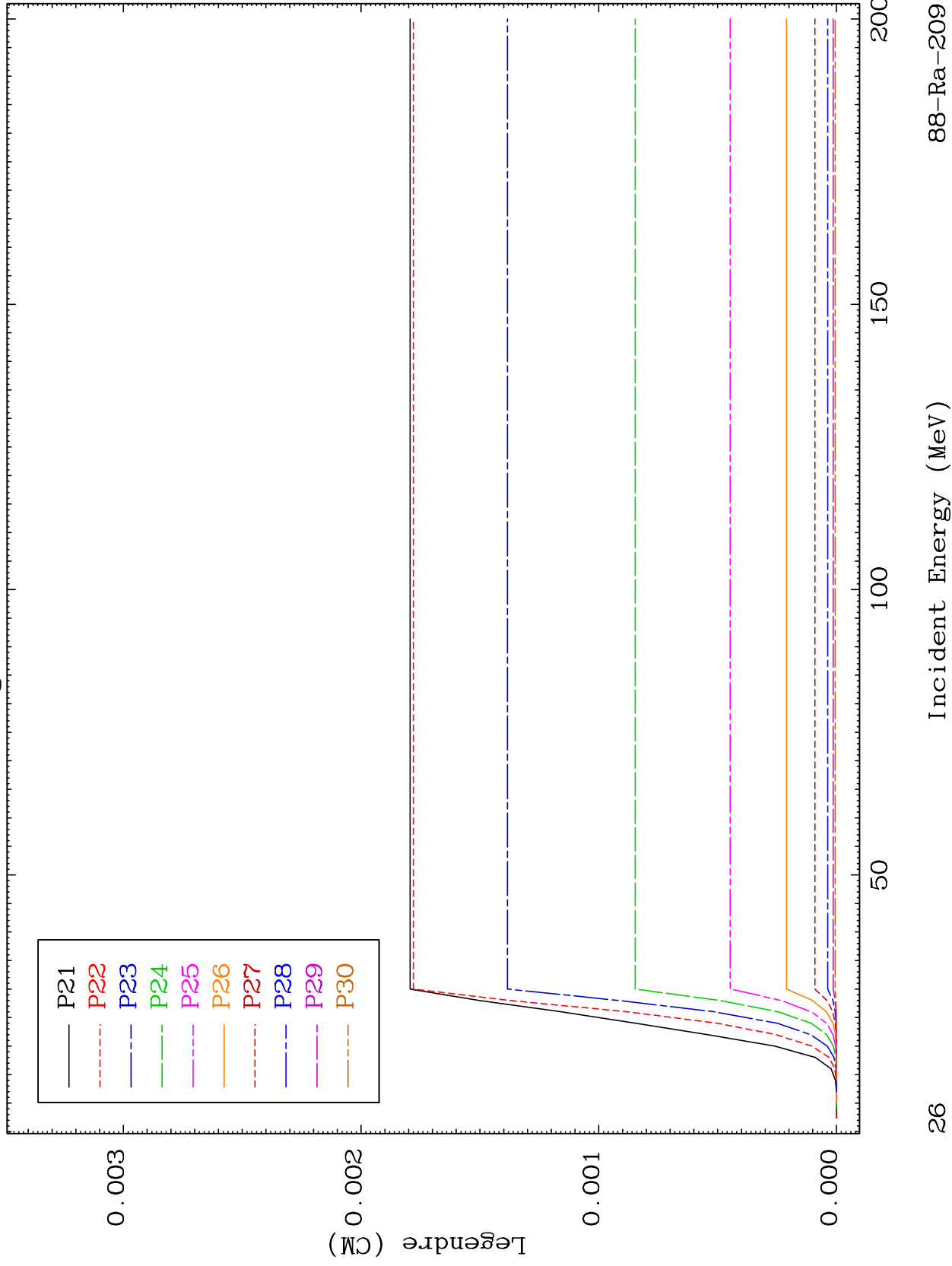
Incident Energy (MeV)

25

MAT 8783

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

88-Ra-209



26

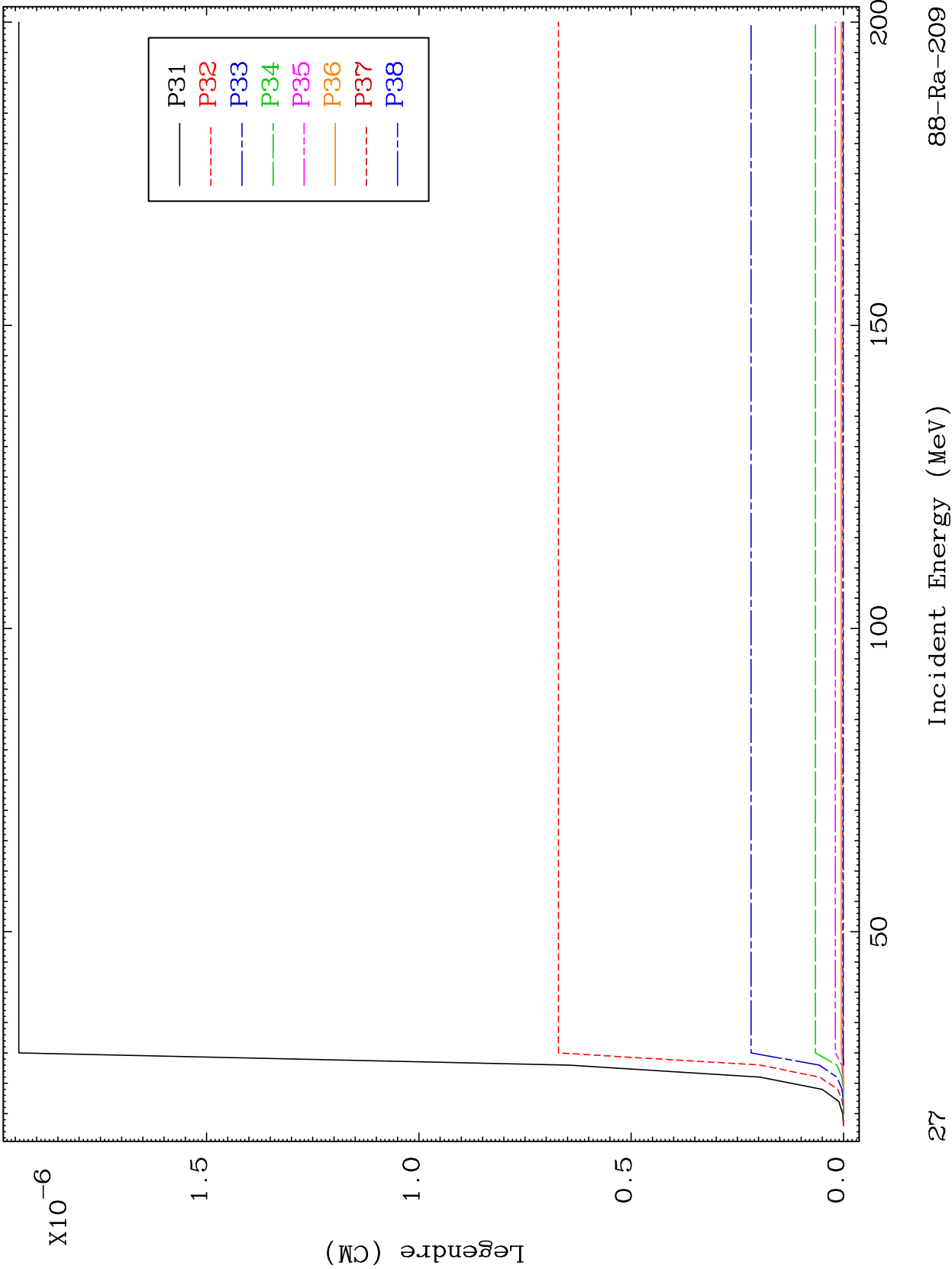
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

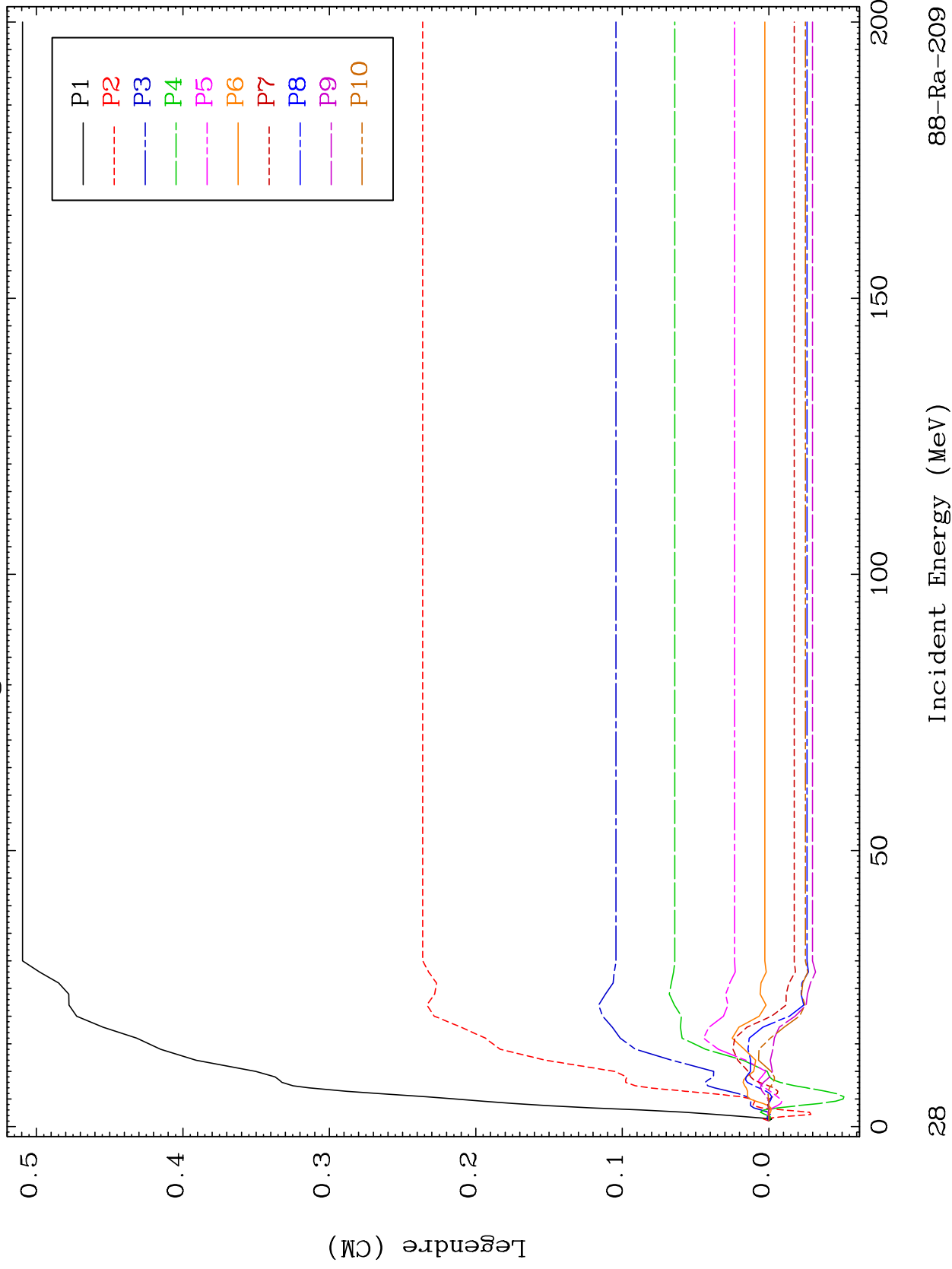
88-Ra-209



MAT 8783

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

88-Ra-209



88-Ra-209

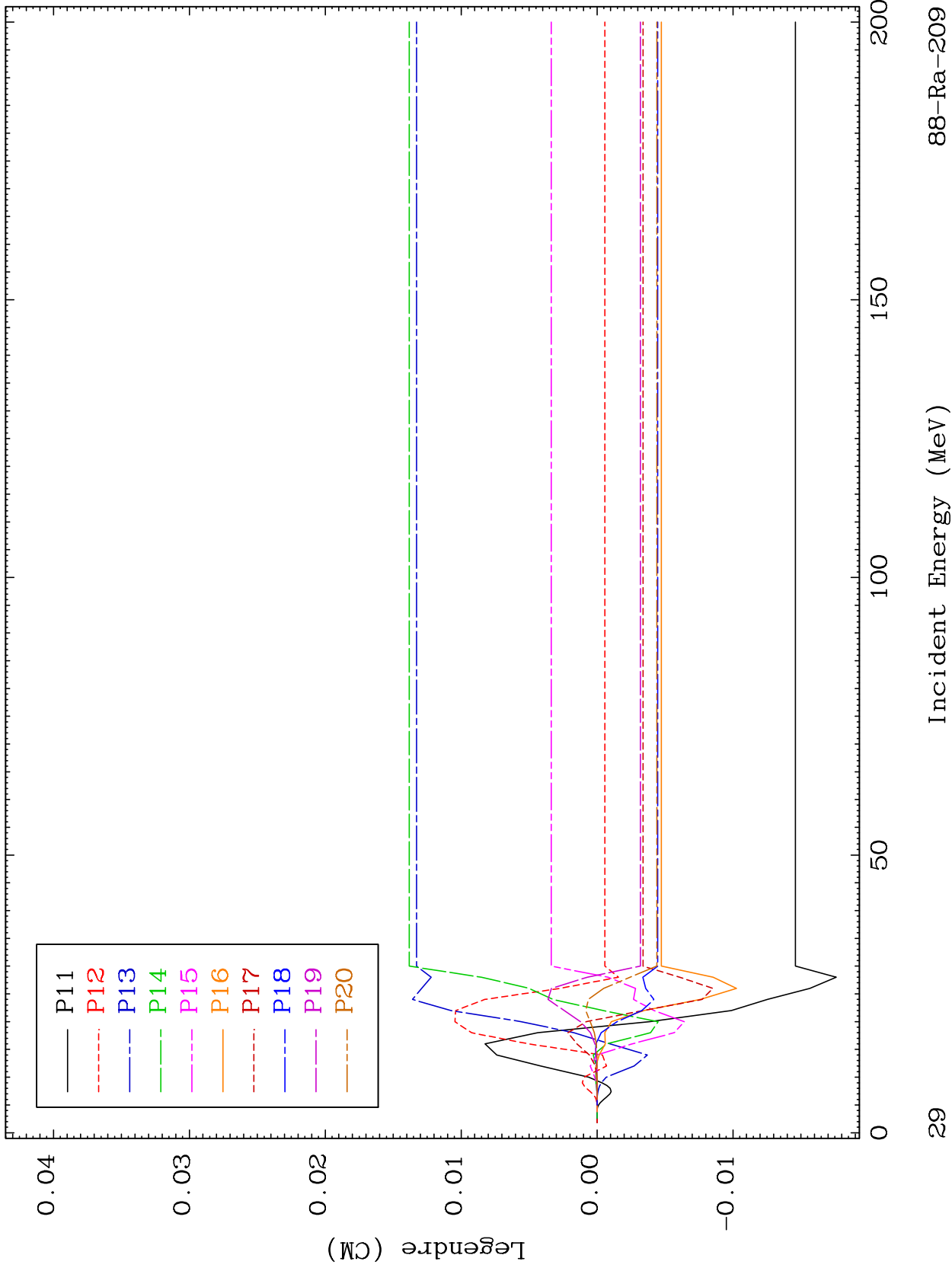
Incident Energy (MeV)

28

MAT 8783

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

88-Ra-209



29

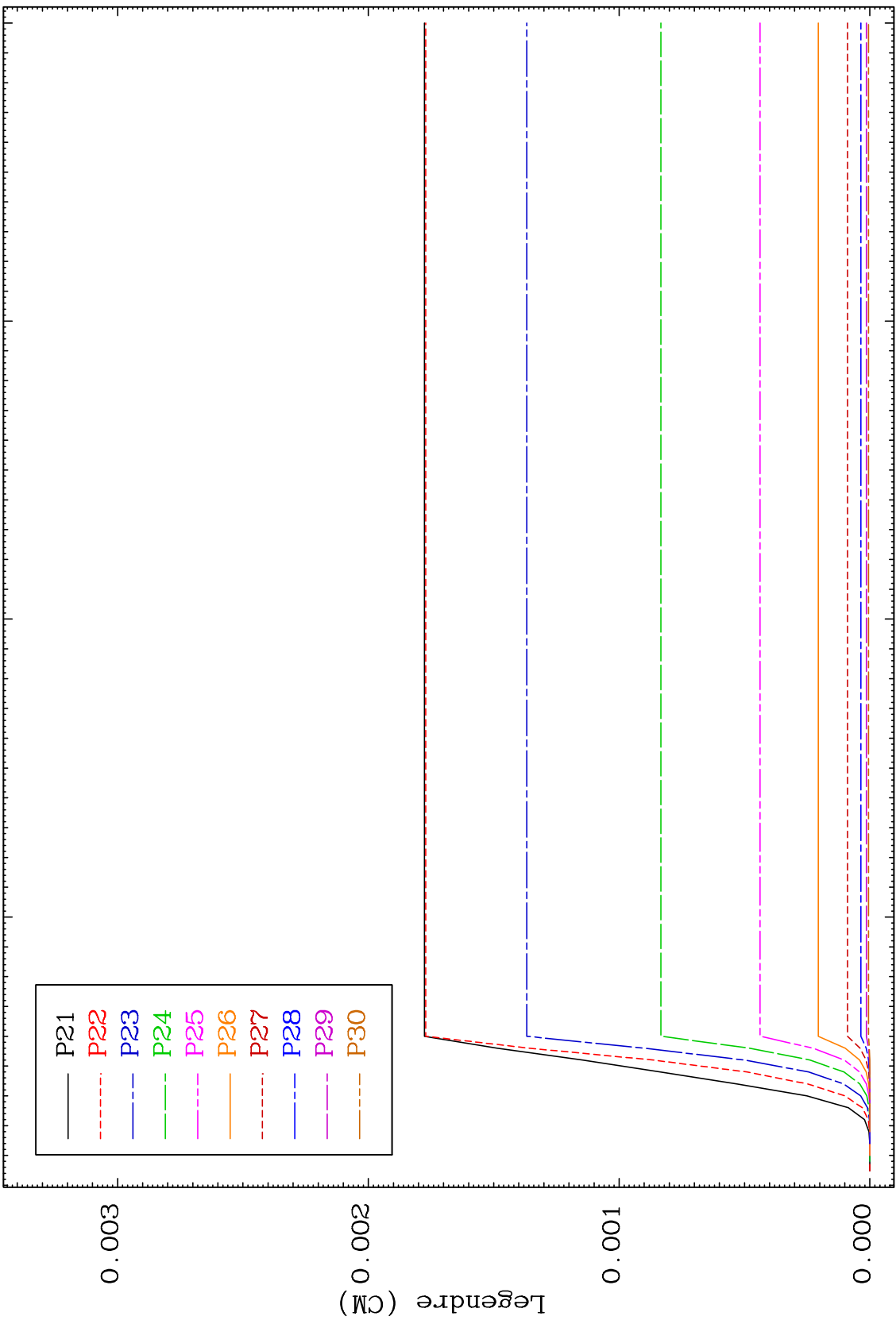
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

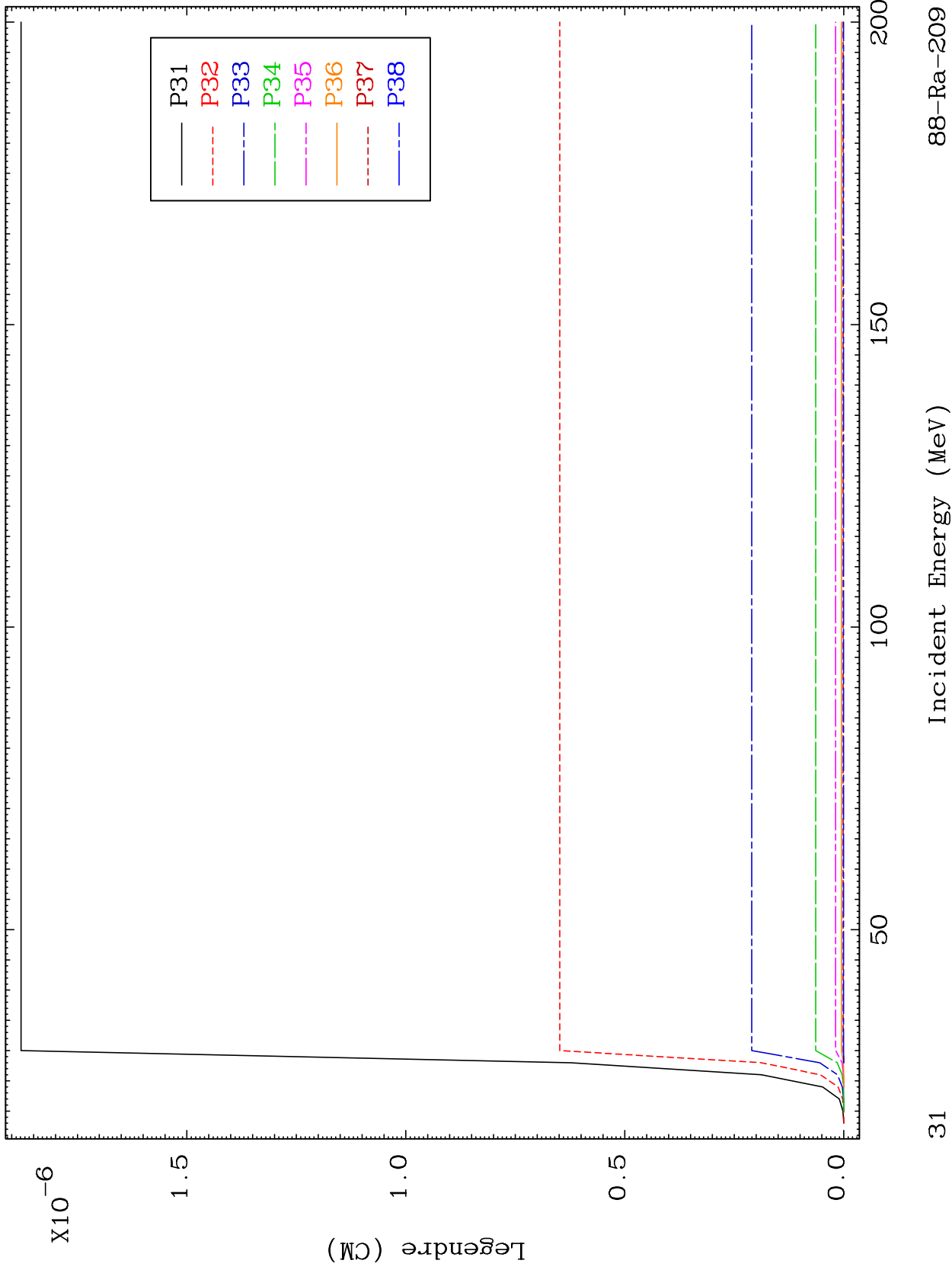
88-Ra-209



30

Incident Energy (MeV)

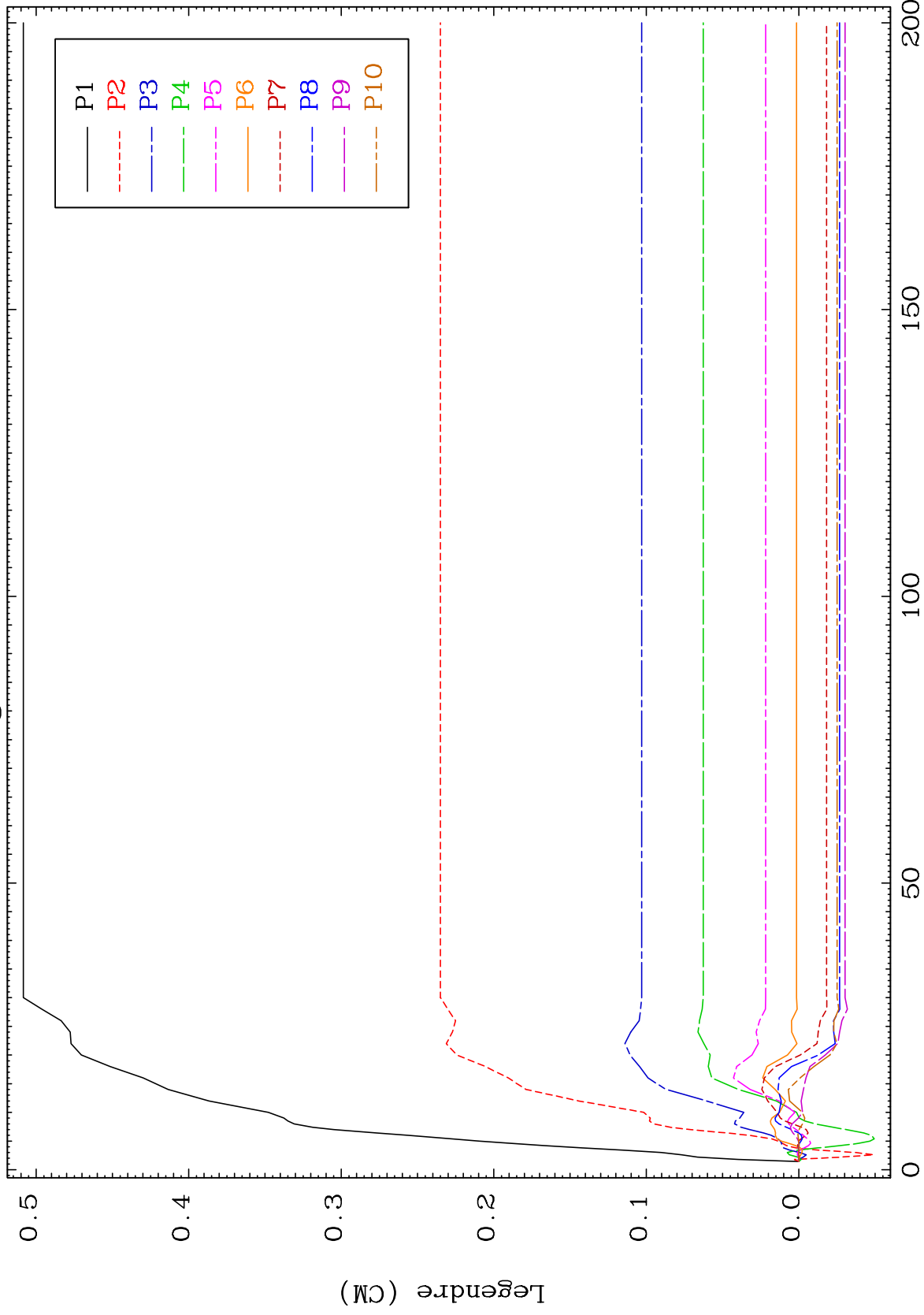
88-Ra-209



MAT 8783

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

88-Ra-209



32

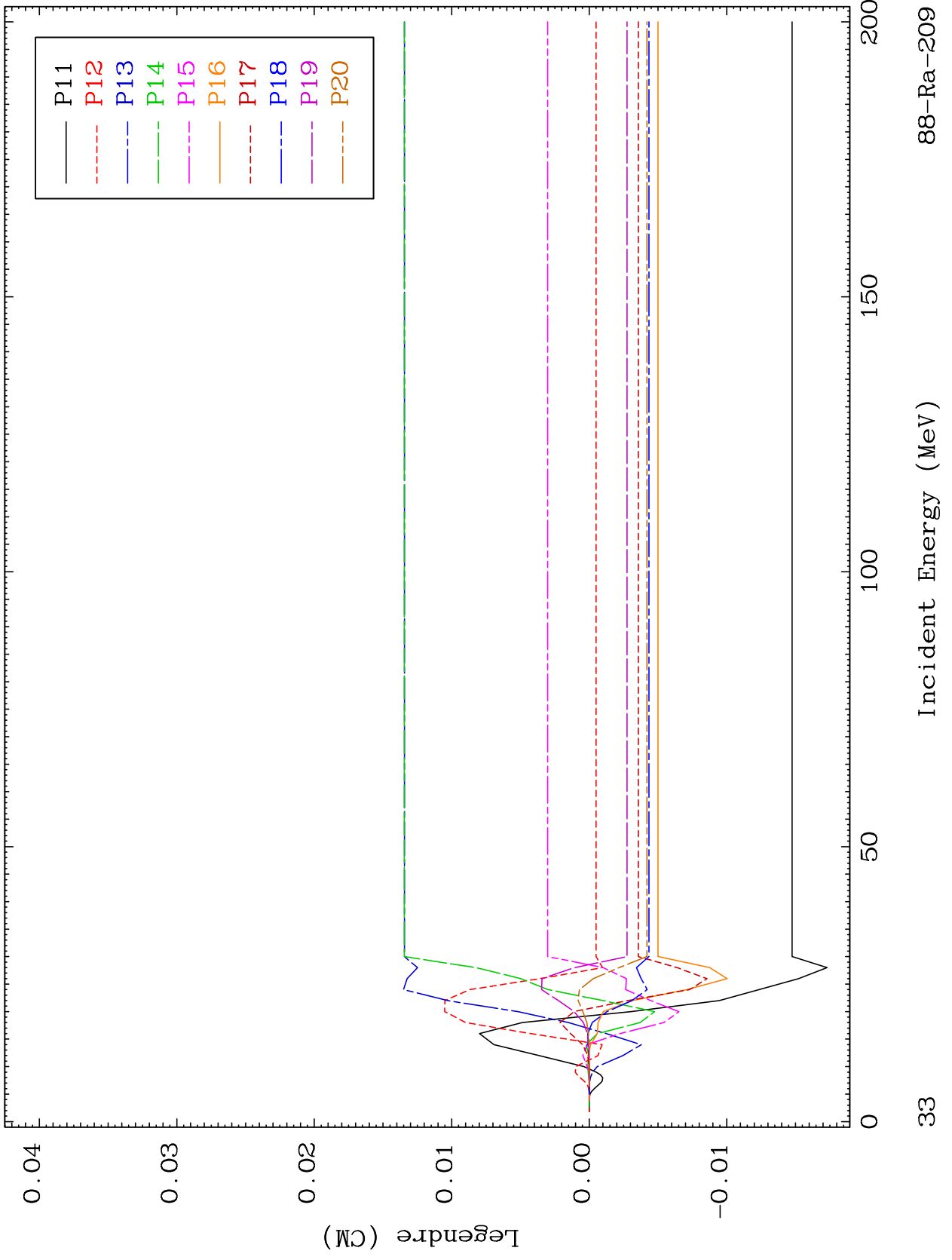
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

88-Ra-209



33

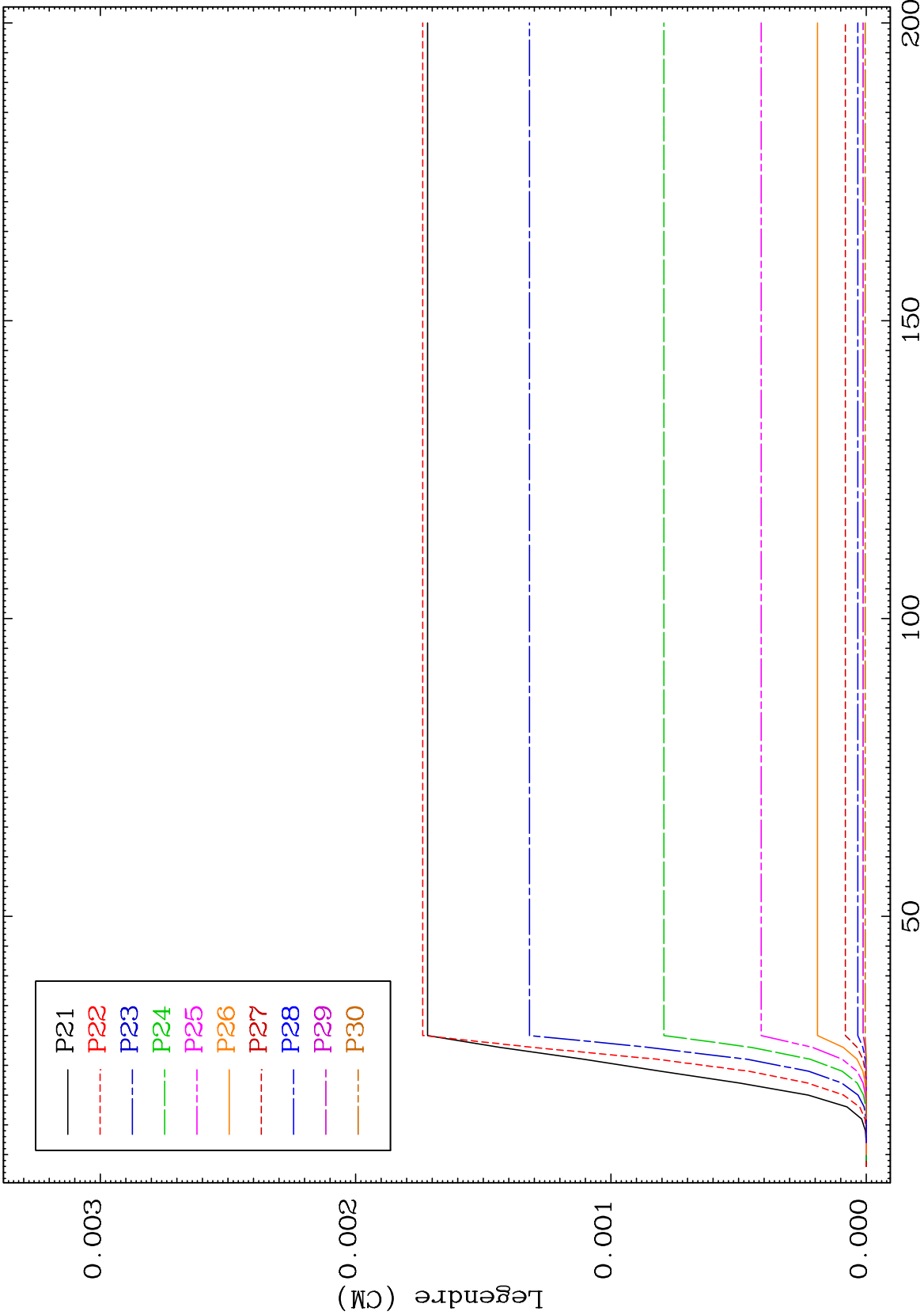
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

88-Ra-209



34

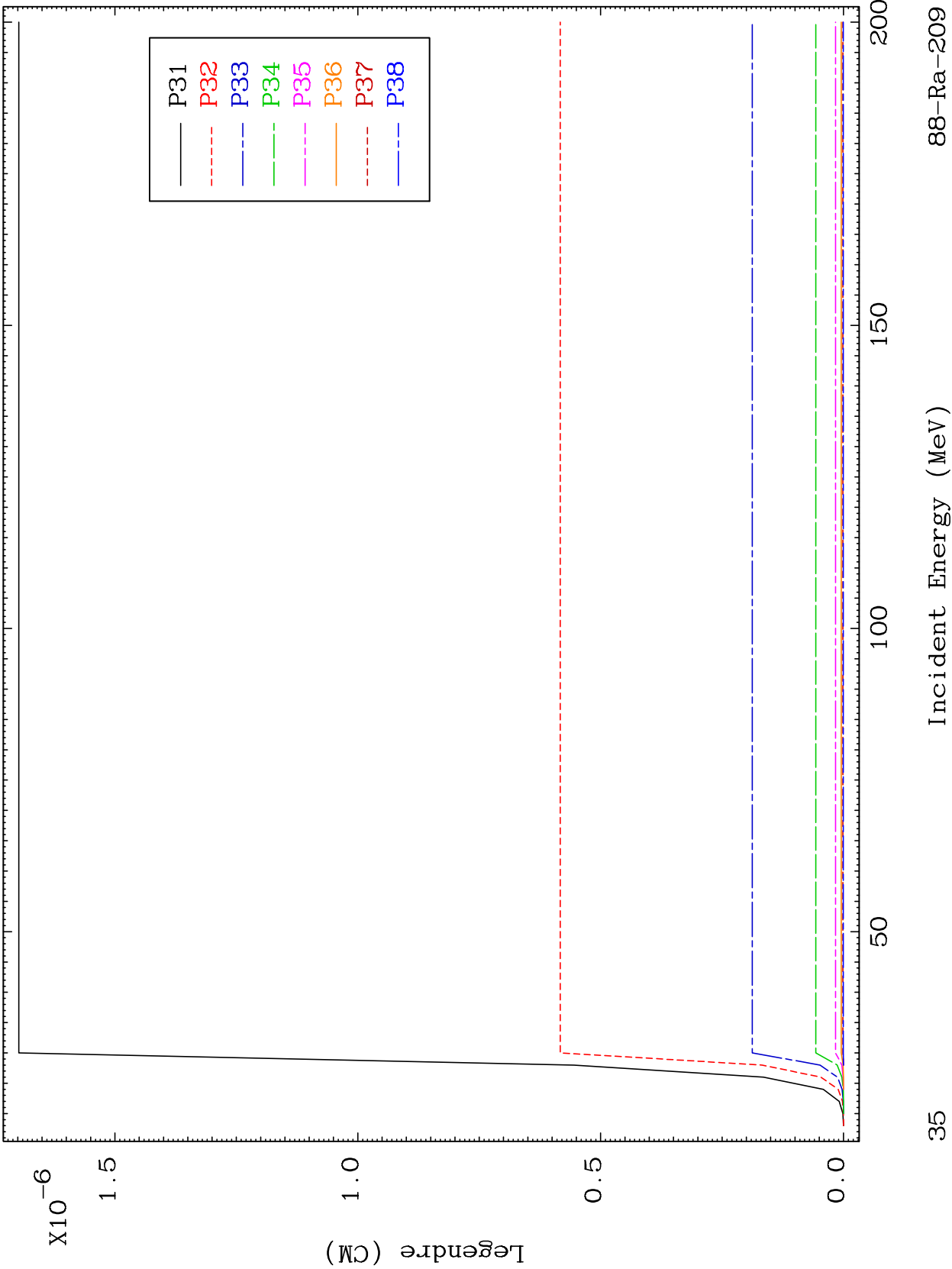
Incident Energy (MeV)

88-Ra-209

MAT 8783

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

88-Ra-209

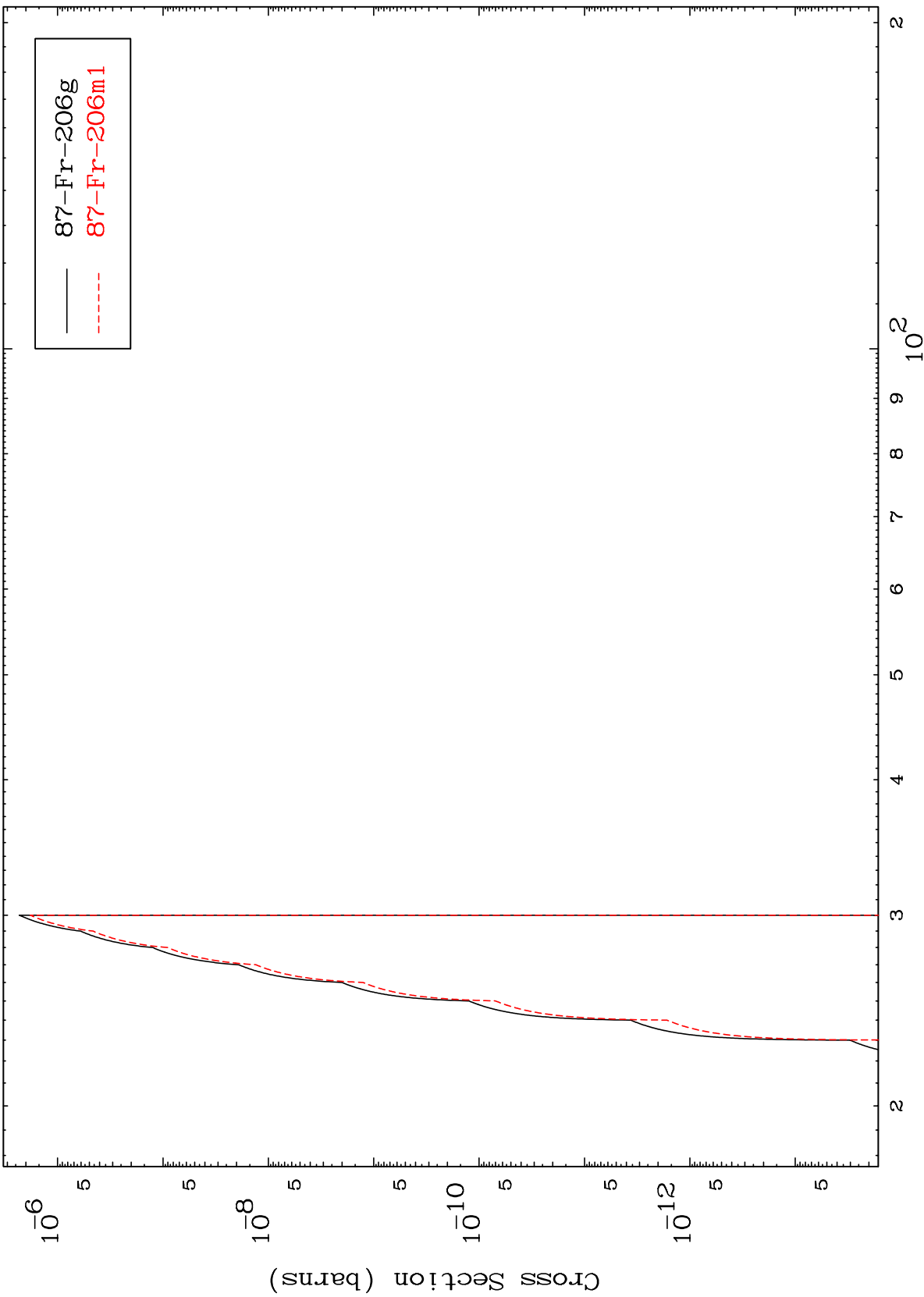


MAT 8783

(n,2n) d

88-Ra-209

Radionuclide Production Cross Section



36

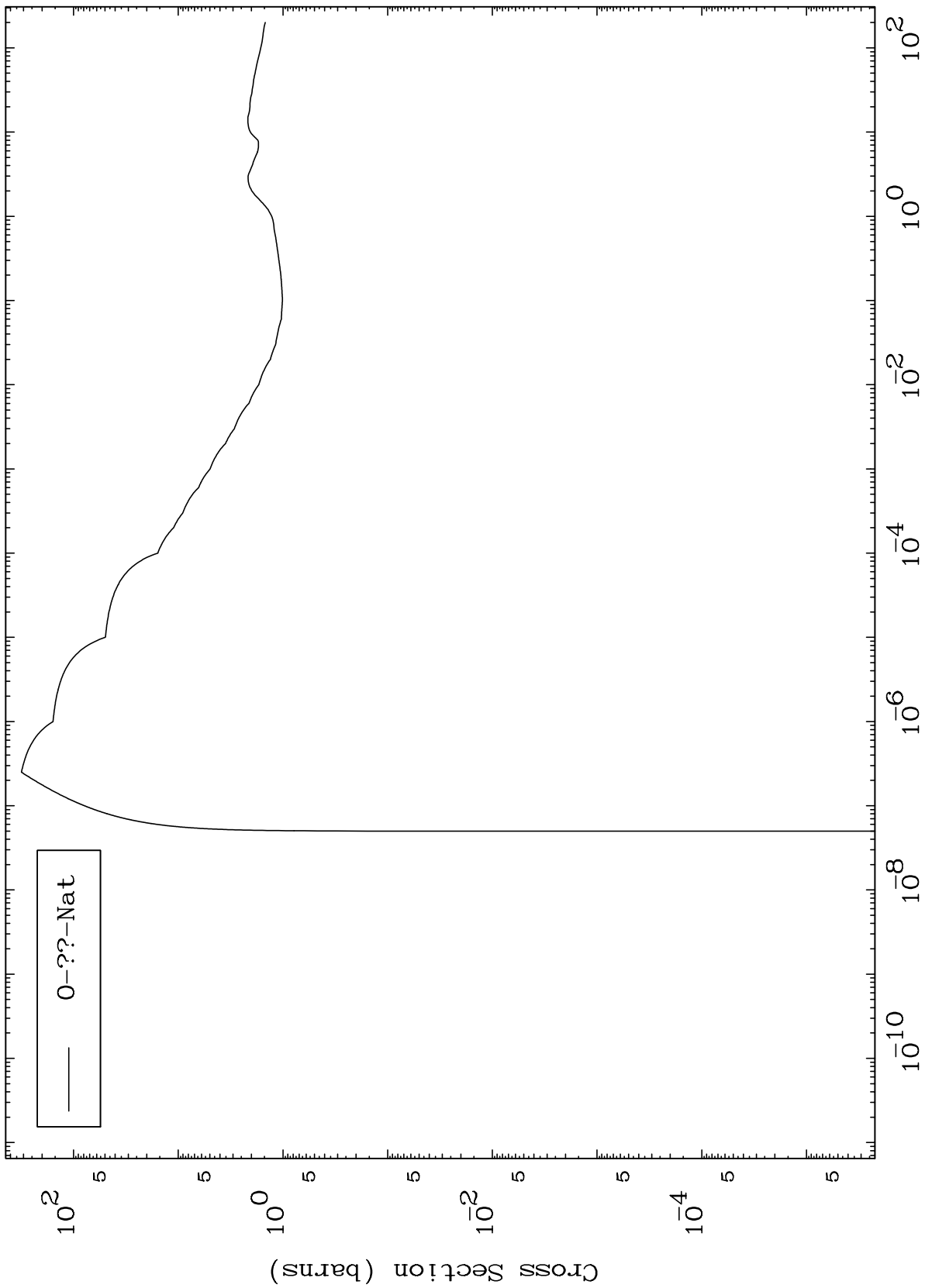
Incident Energy (MeV)

88-Ra-209

MAT 8783

88-Ra-209

Fission
Radionuclide Production Cross Section

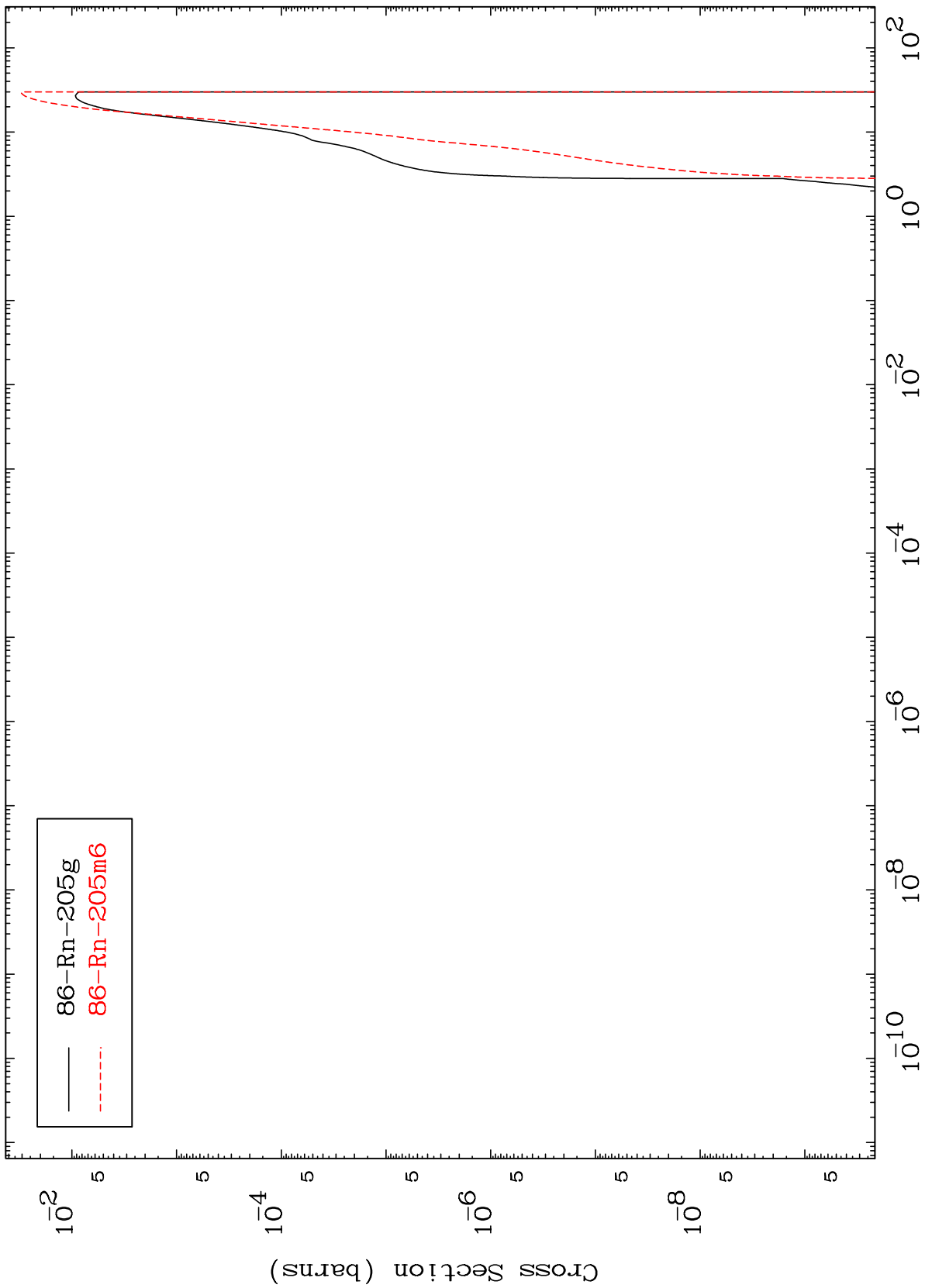


MAT 8783

$(n, n') \alpha$

88-Ra-209

Radionuclide Production Cross Section



38

Incident Energy (MeV)

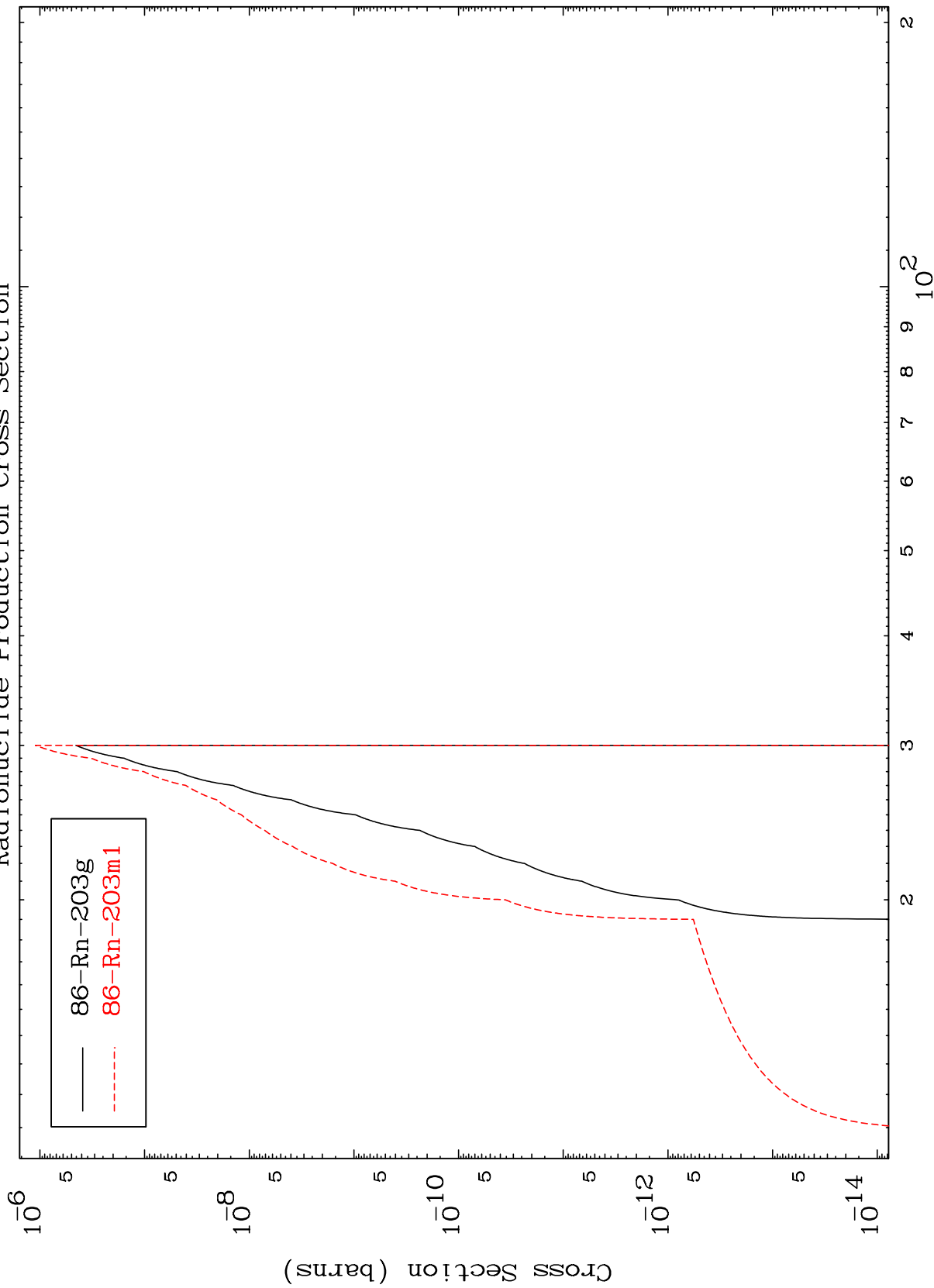
88-Ra-209

MAT 8783

(n,3n) α

88-Ra-209

Radionuclide Production Cross Section



Incident Energy (MeV)

88-Ra-209

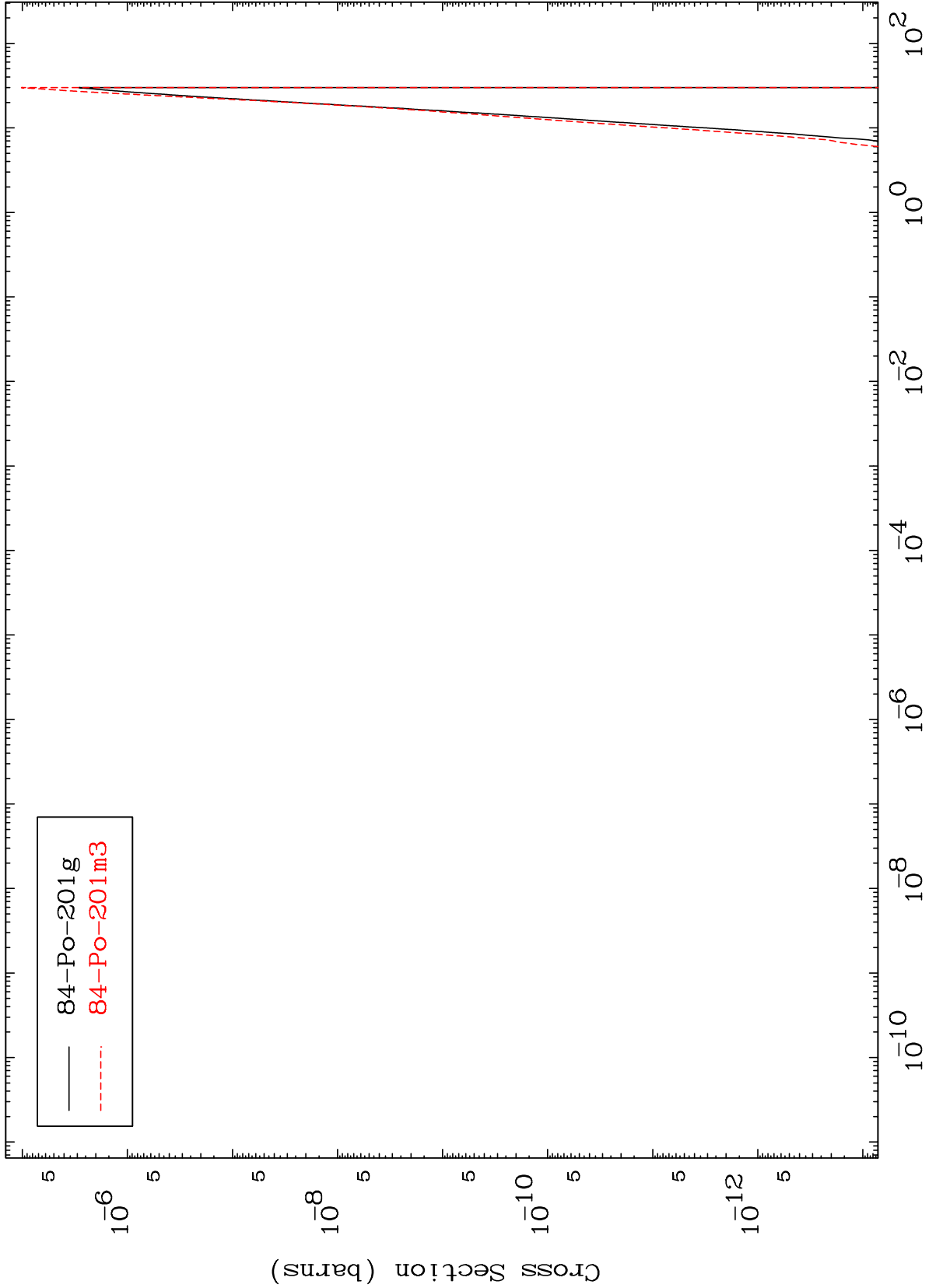
39

MAT 8783

(n,n') 2 α

88-Ra-209

Radionuclide Production Cross Section



40

Incident Energy (MeV)

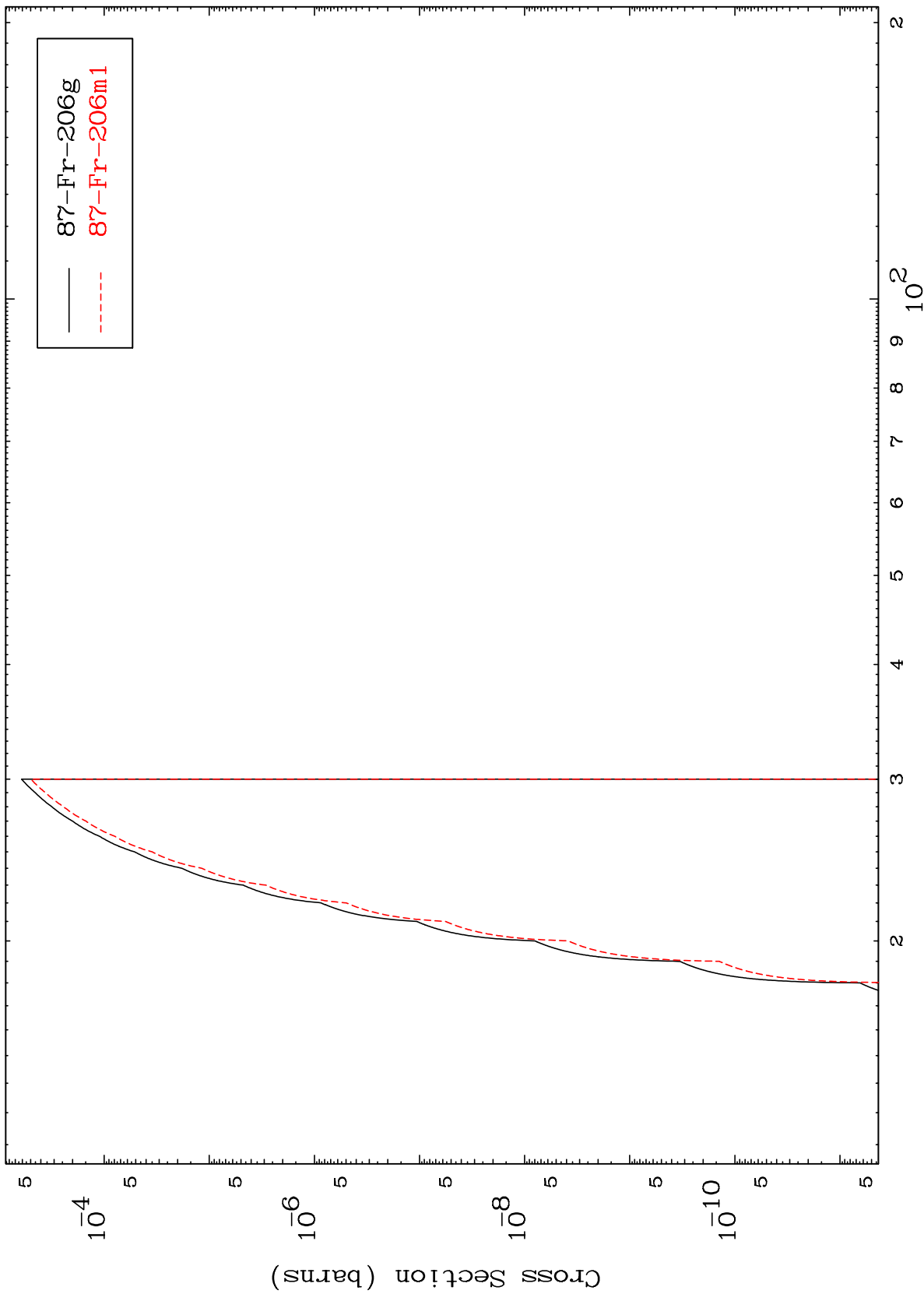
88-Ra-209

MAT 8783

(n,n') t

88-Ra-209

Radionuclide Production Cross Section



41

Incident Energy (MeV)

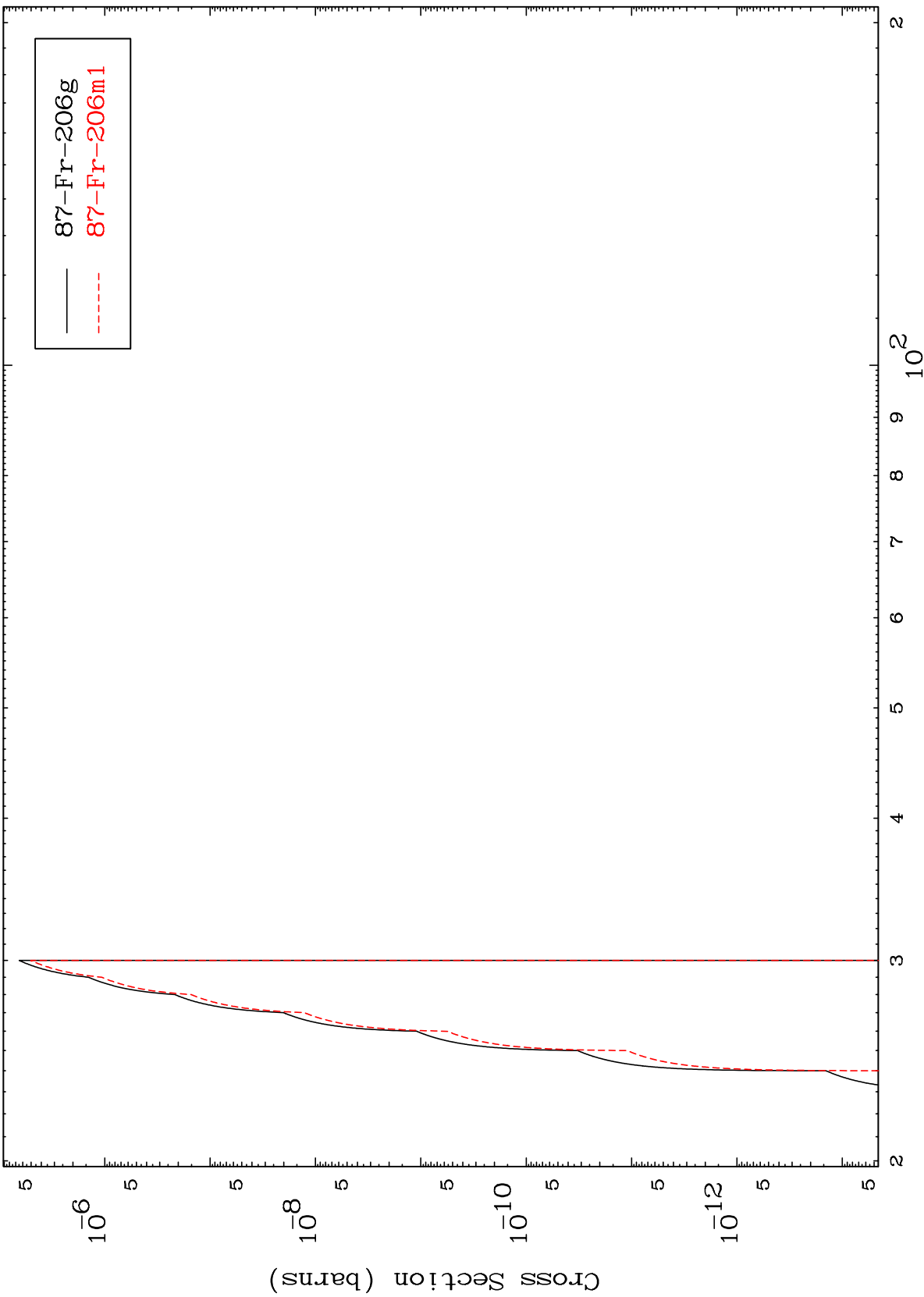
88-Ra-209

MAT 8783

(n,3n) p

88-Ra-209

Radionuclide Production Cross Section



87-Fr-206g
87-Fr-206m1

42

Incident Energy (MeV)

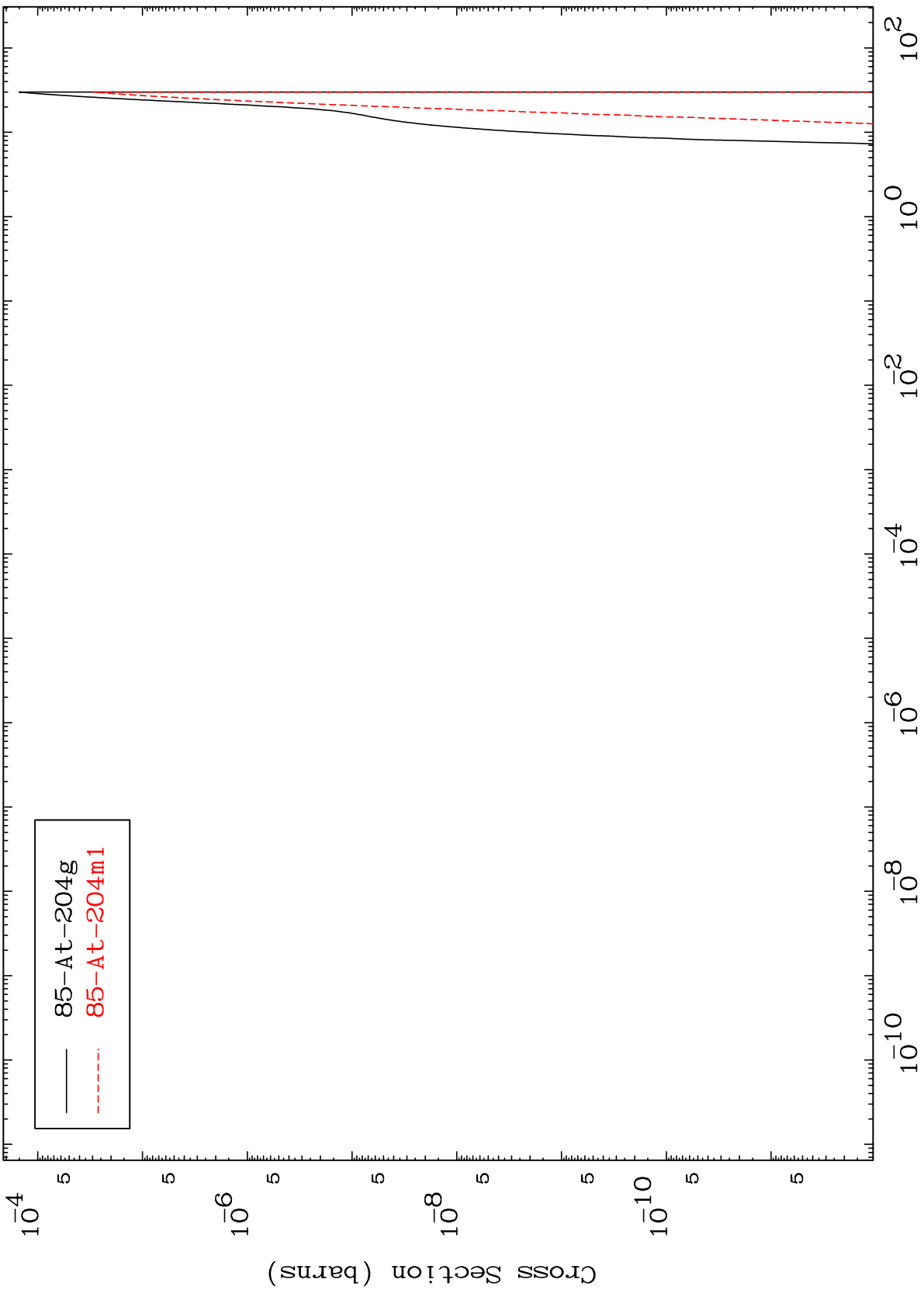
88-Ra-209

MAT 8783

(n,n') p α

88-Ra-209

Radionuclide Production Cross Section



MAT 8783

(n,d) α

88-Ra-209

Radionuclide Production Cross Section

