

Program EVALPLOT
(Version 2021-1)

by

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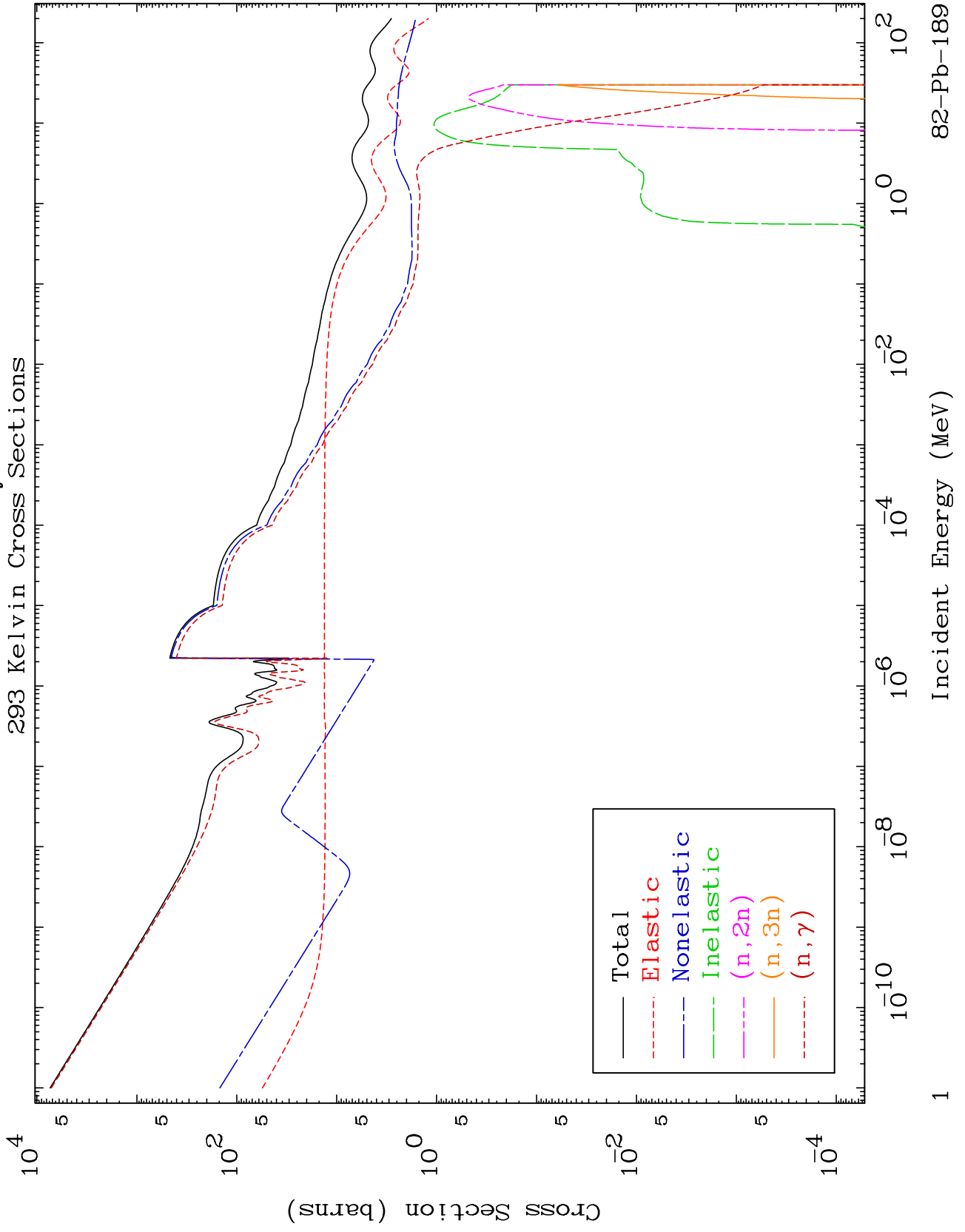
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Press Mouse Button to Start

MAT 8180

Neutron Major
293 Kelvin Cross Sections

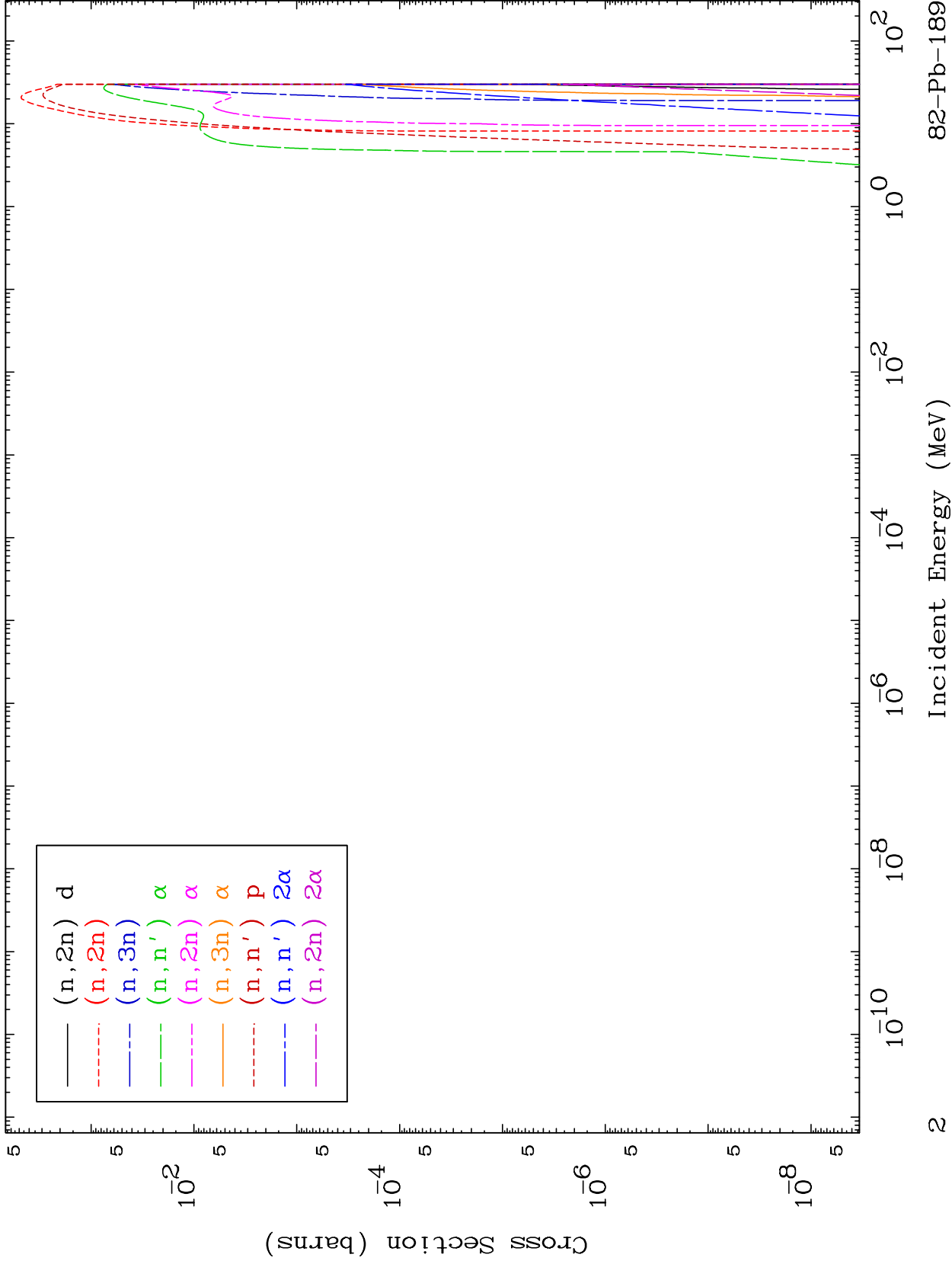
82-Pb-189



MAT 8180

Neutron Absorption
293 Kelvin Cross Sections

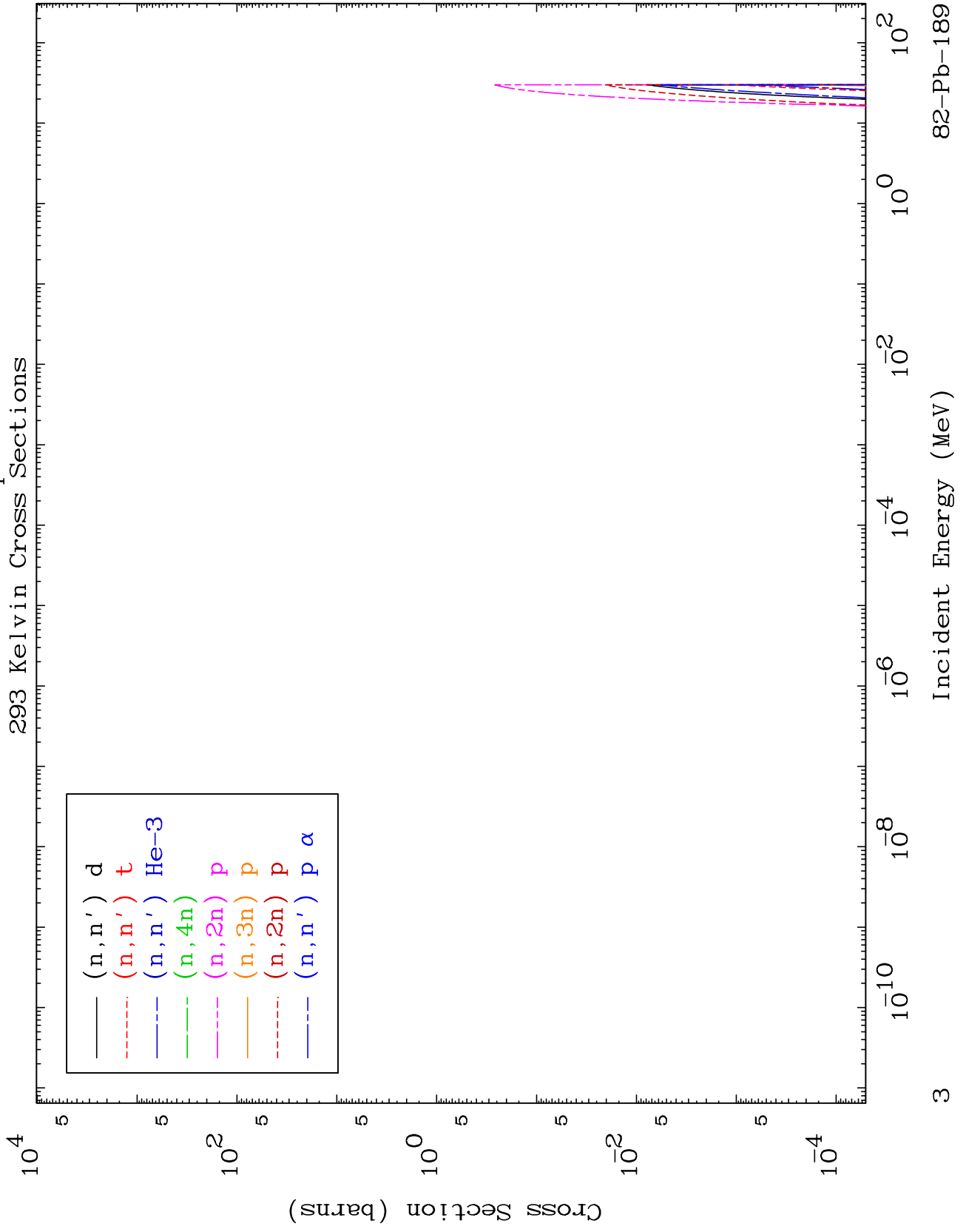
82-Pb-189



MAT 8180

Neutron Absorption
293 Kelvin Cross Sections

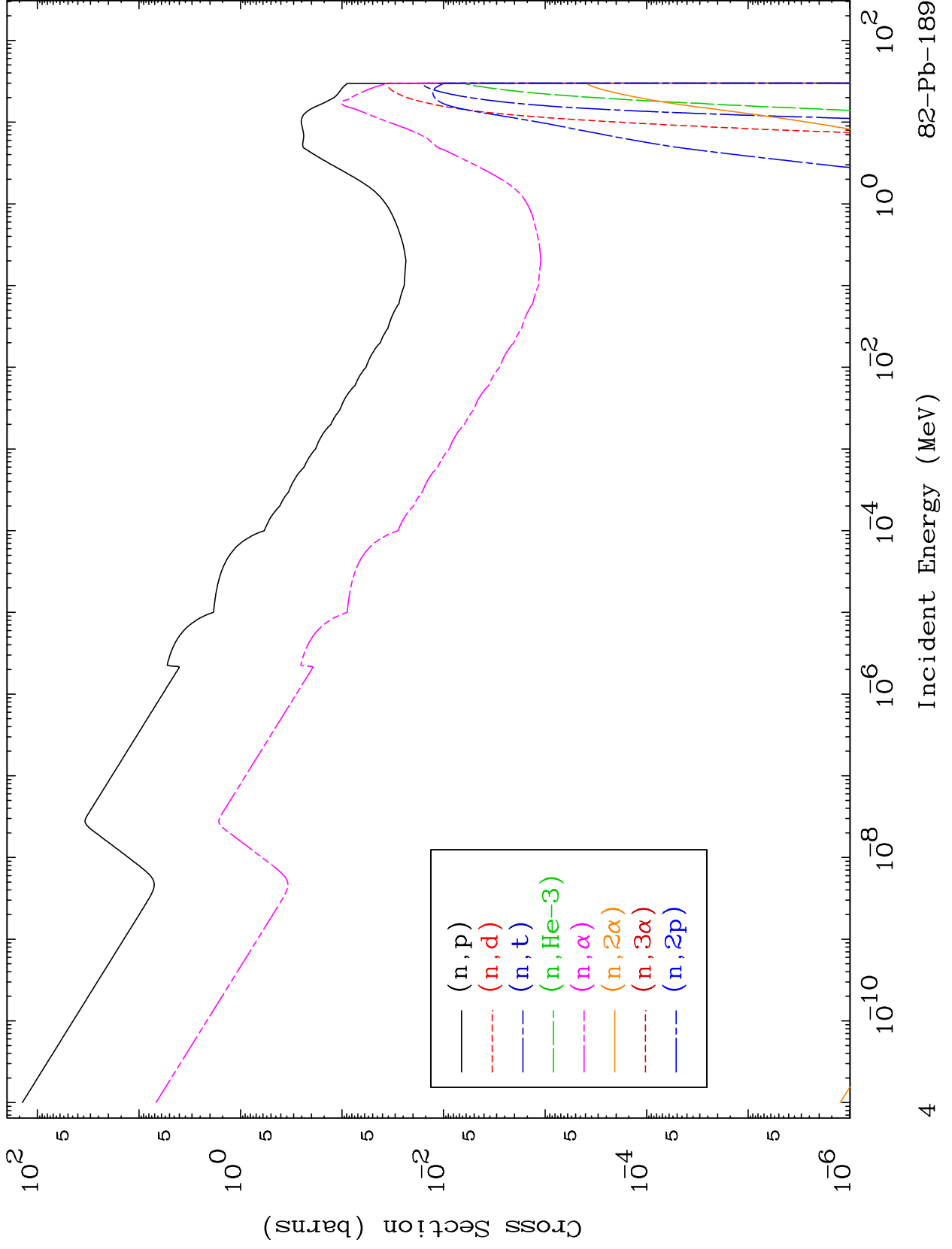
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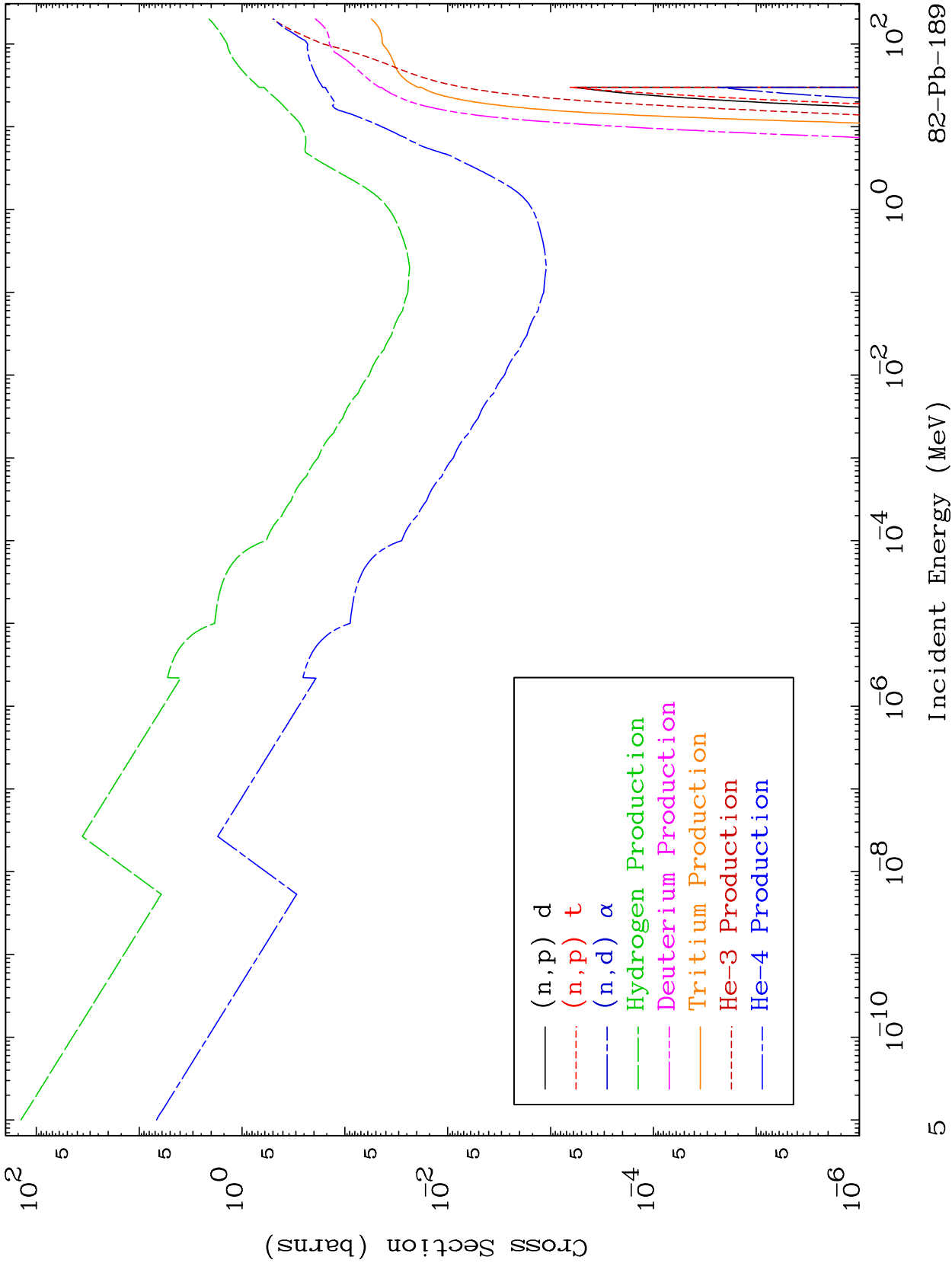


MAT 8180

Neutron Absorption
293 Kelvin Cross Sections

82-Pb-189

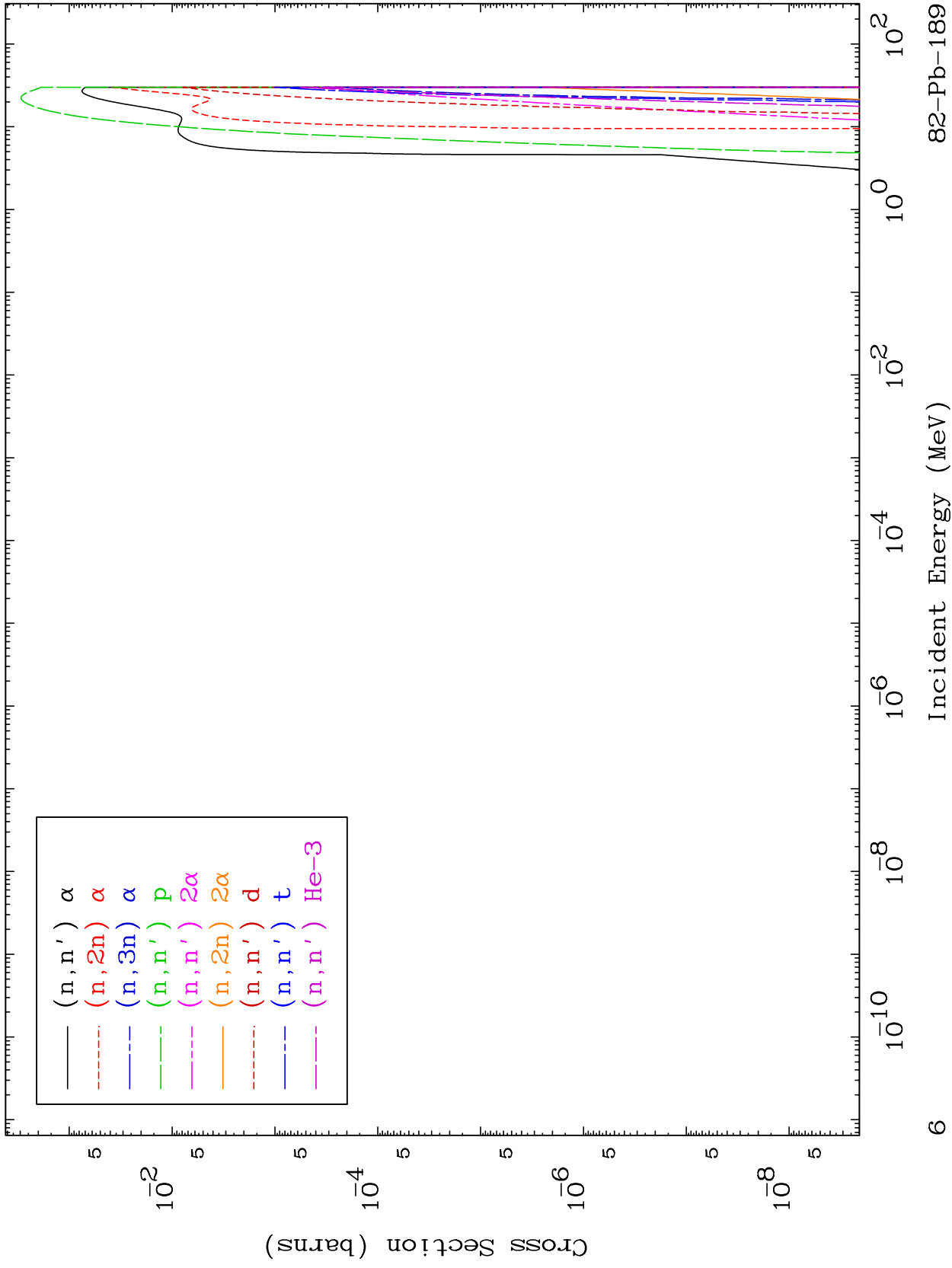




MAT 8180

Charged Particle
293 Kelvin Cross Sections

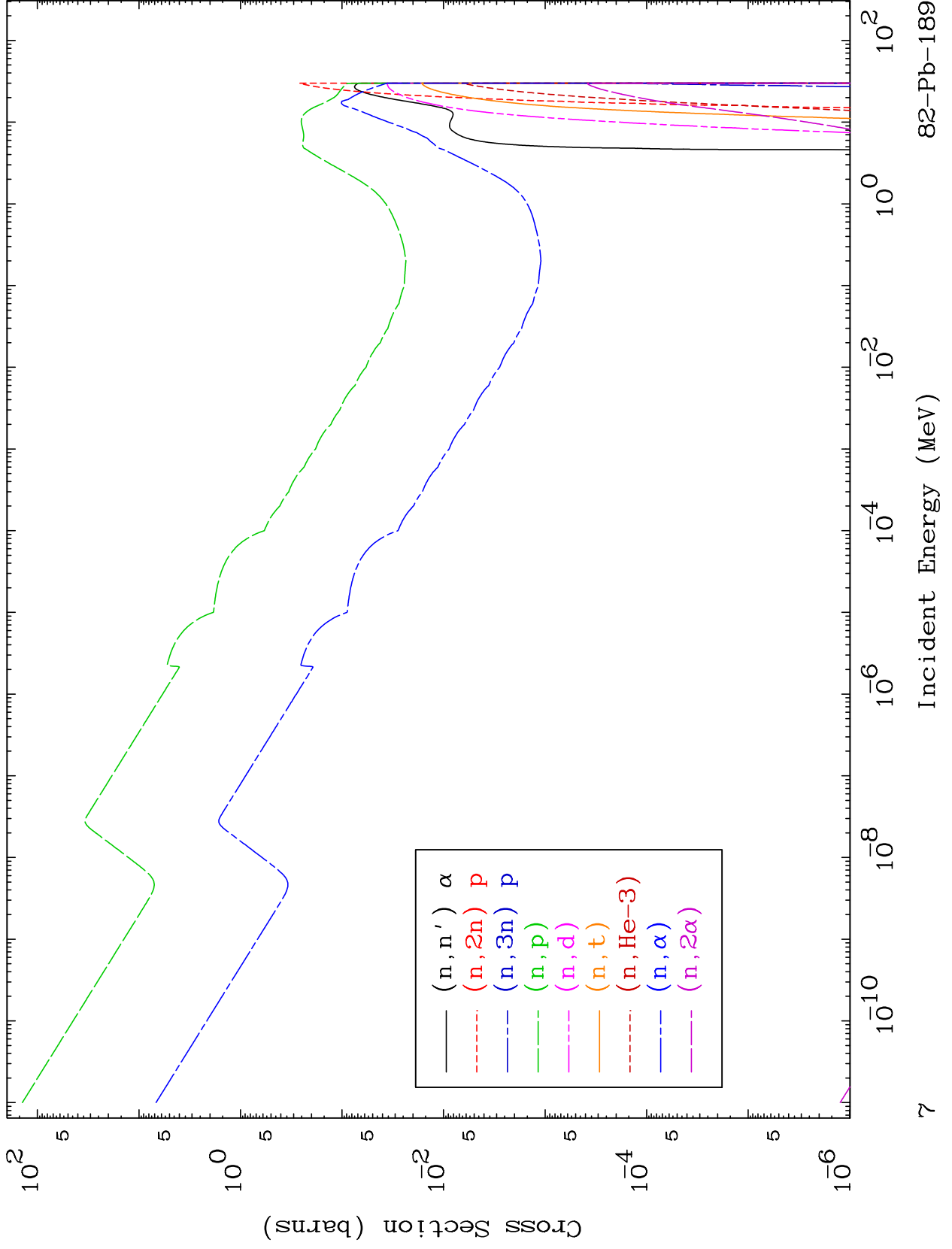
82-Pb-189



MAT 8180

Charged Particle
293 Kelvin Cross Sections

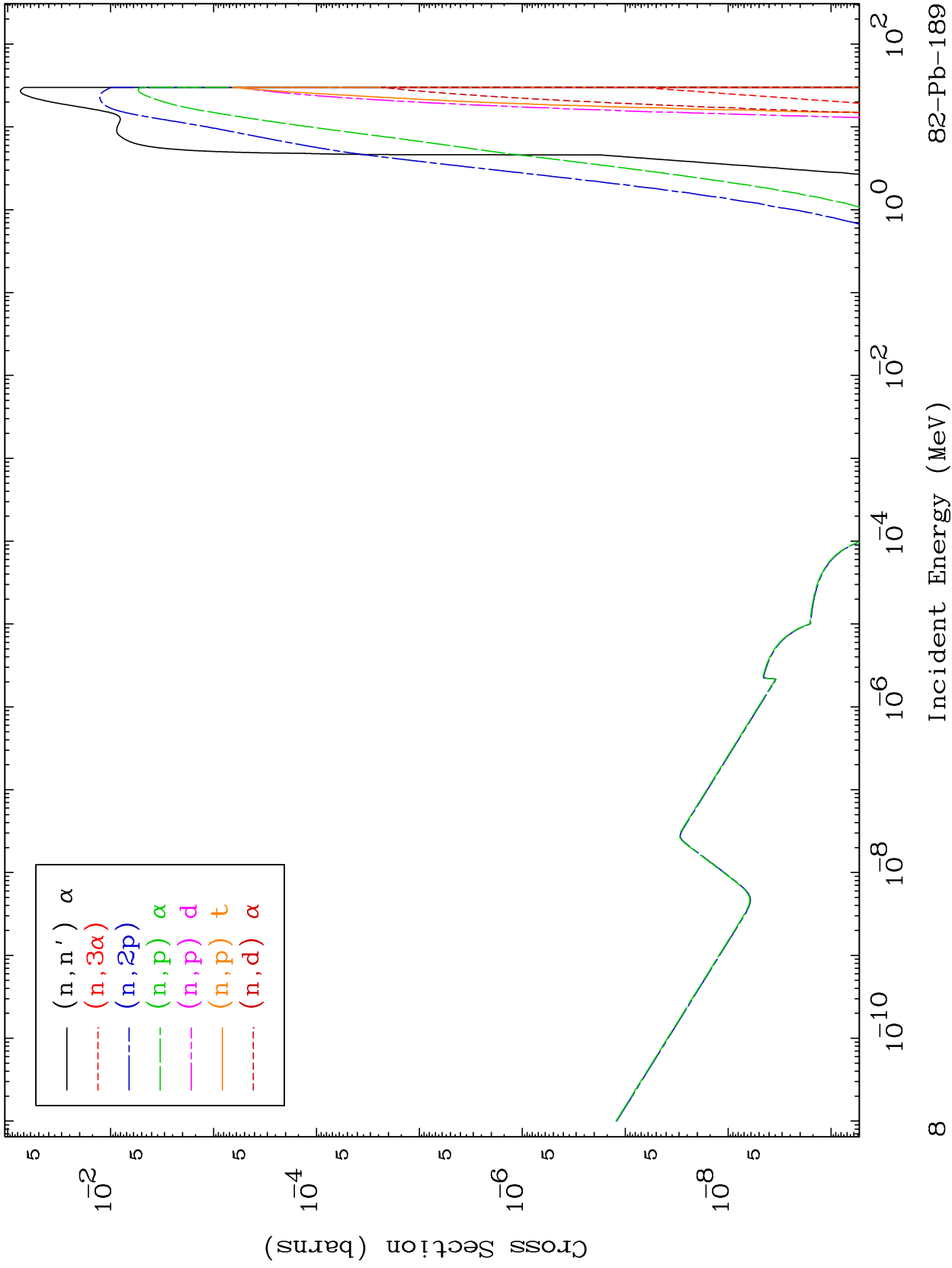
82-Pb-189



MAT 8180

Charged Particle
293 Kelvin Cross Sections

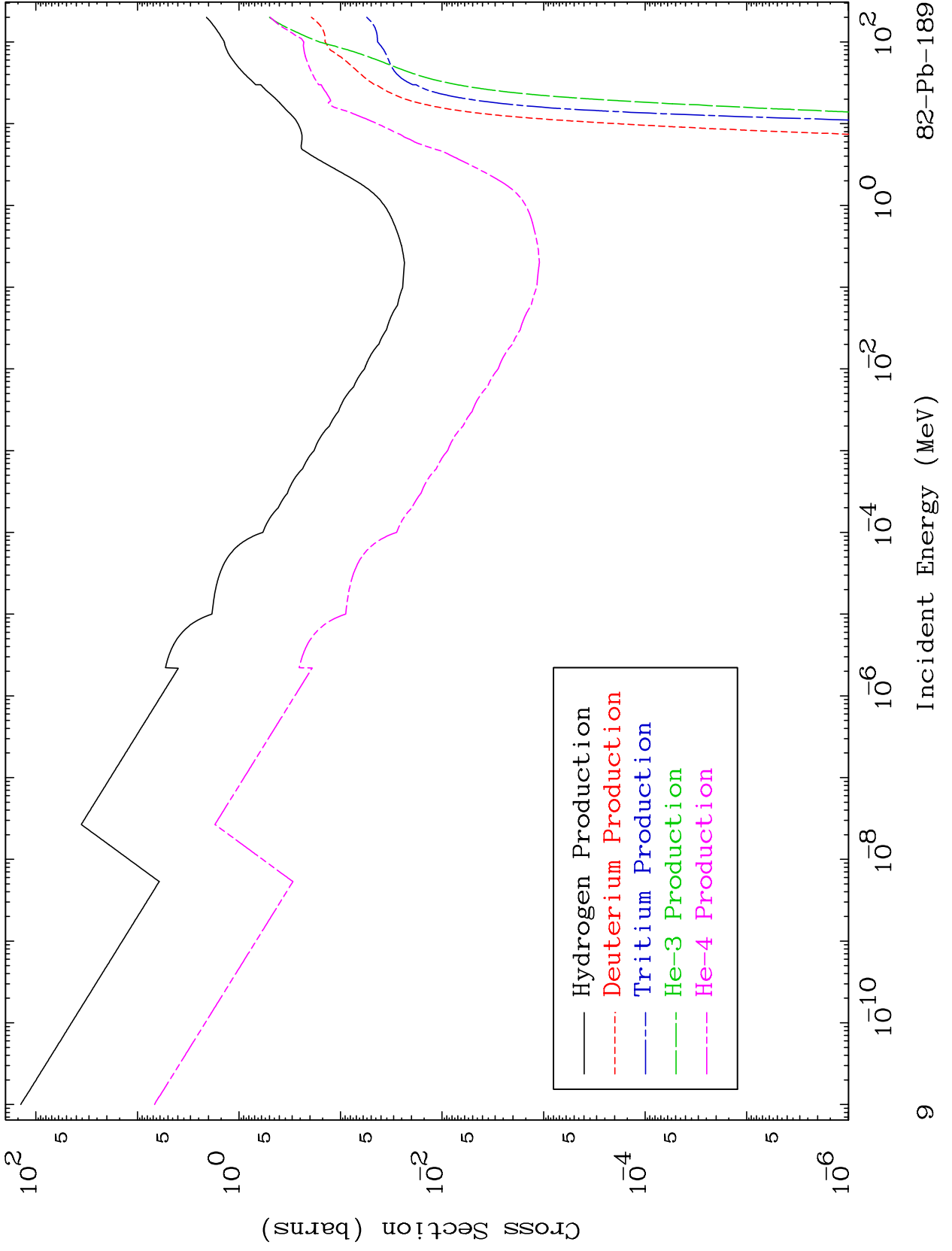
82-Pb-189



MAT 8180

Particle Production
293 Kelvin Cross Sections

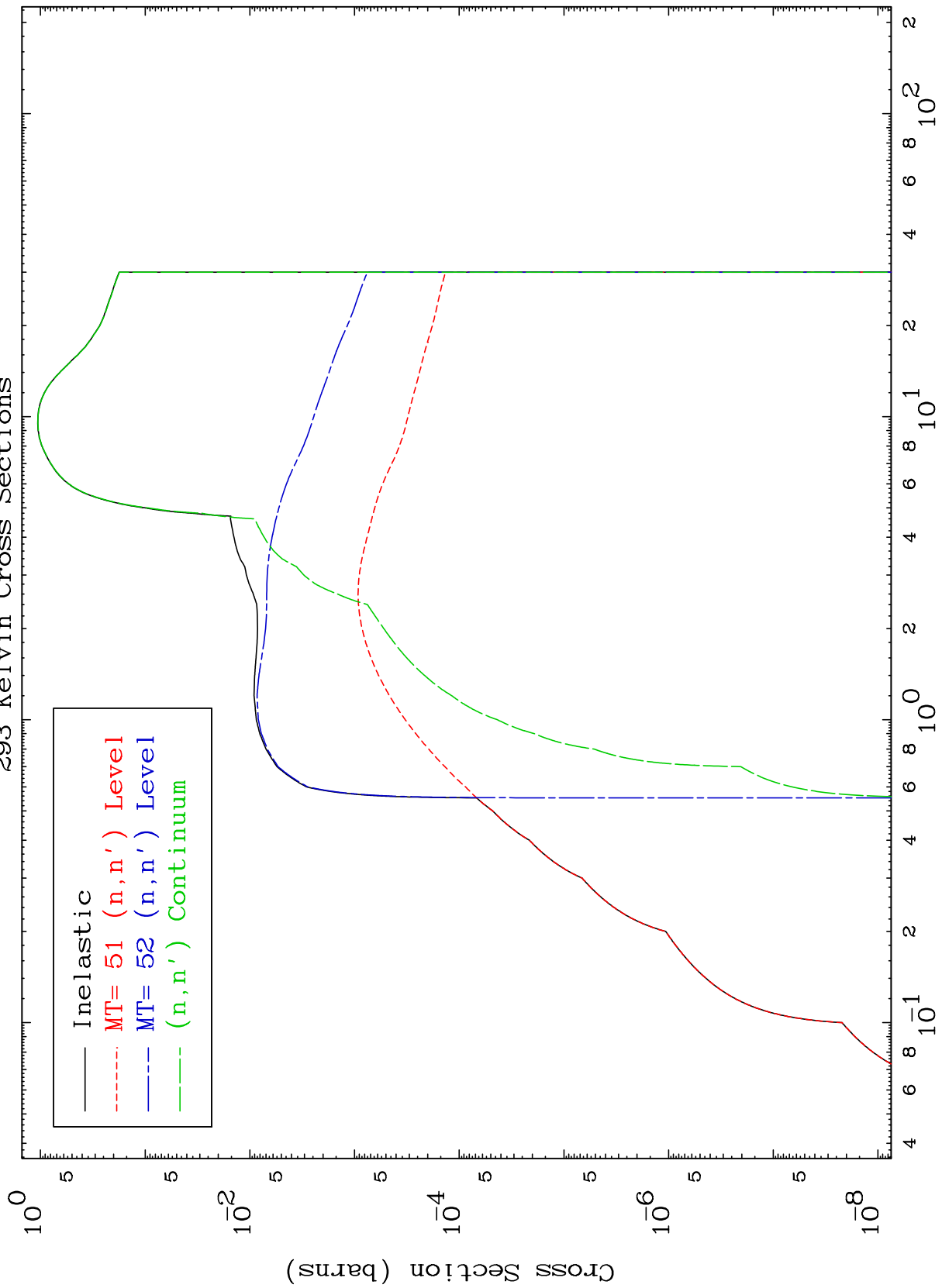
82-Pb-189



MAT 8180

82-Pb-189

293 Kelvin Cross Sections
(n,n') Levels



Legend:
— Inelastic
- - - MT= 51 (n,n') Level
- . - MT= 52 (n,n') Level
— (n,n') Continuum

82-Pb-189

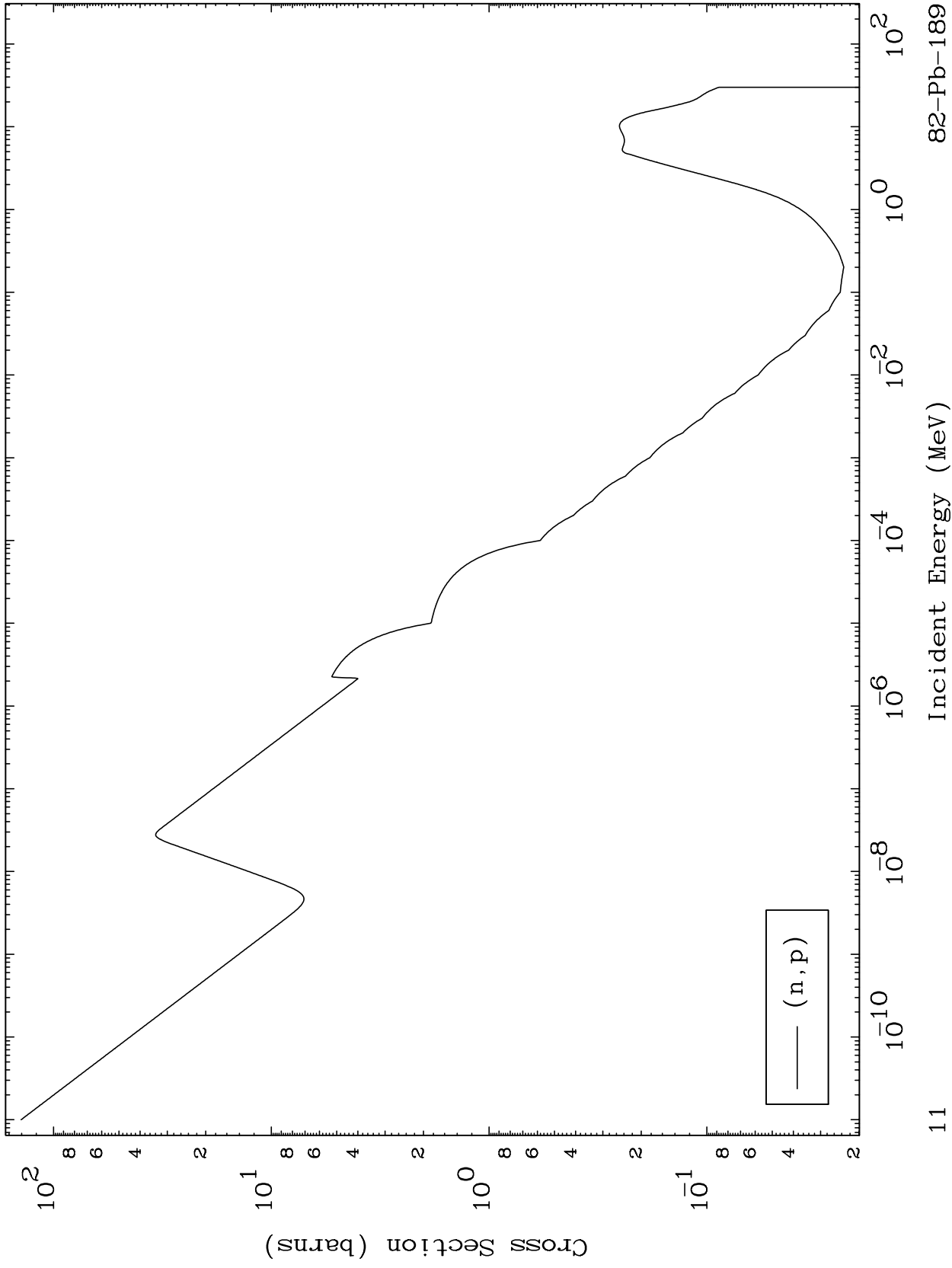
Incident Energy (MeV)

10

MAT 8180

(n,p) Levels
293 Kelvin Cross Sections

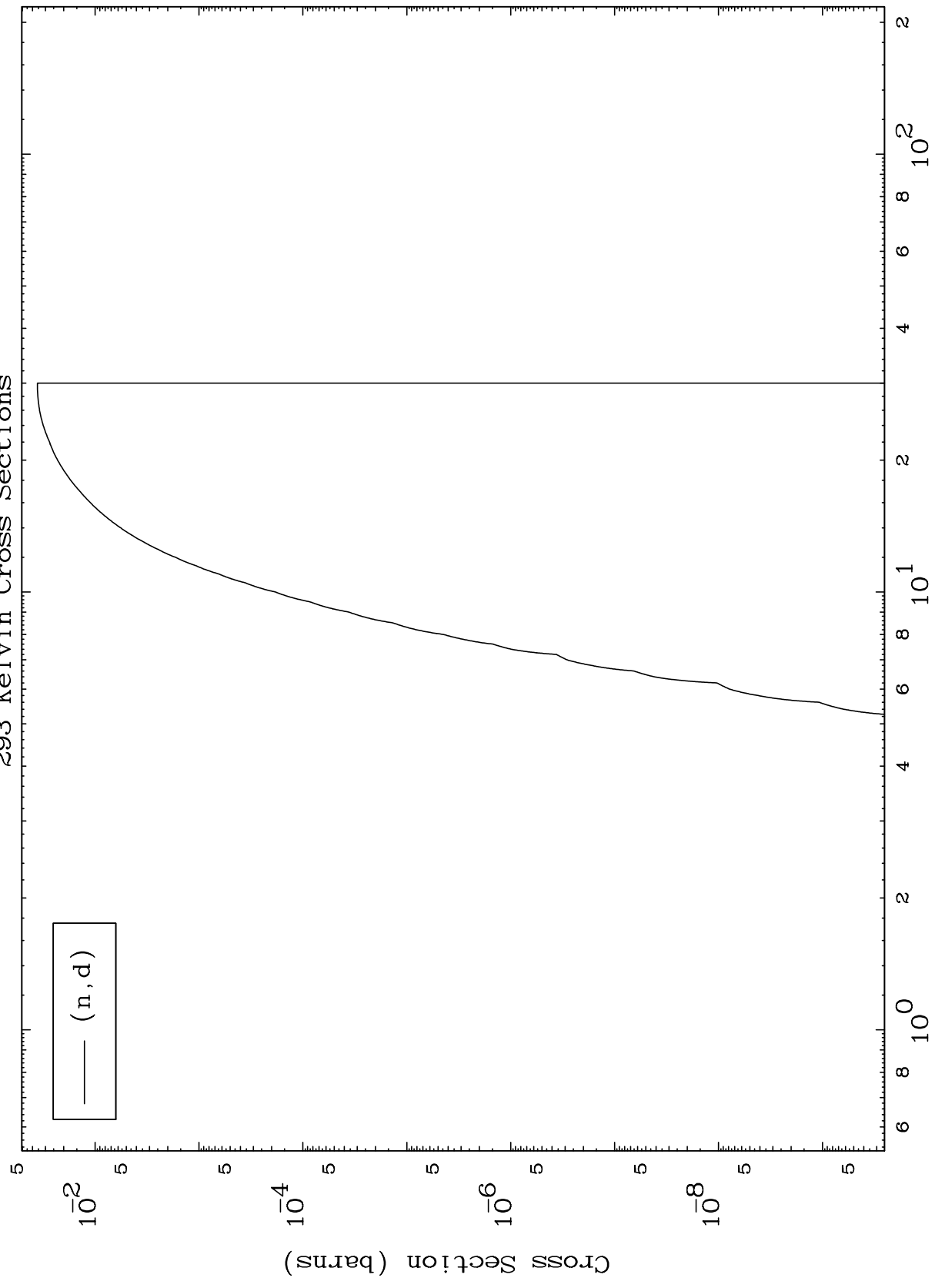
82-Pb-189



MAT 8180

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-189



12

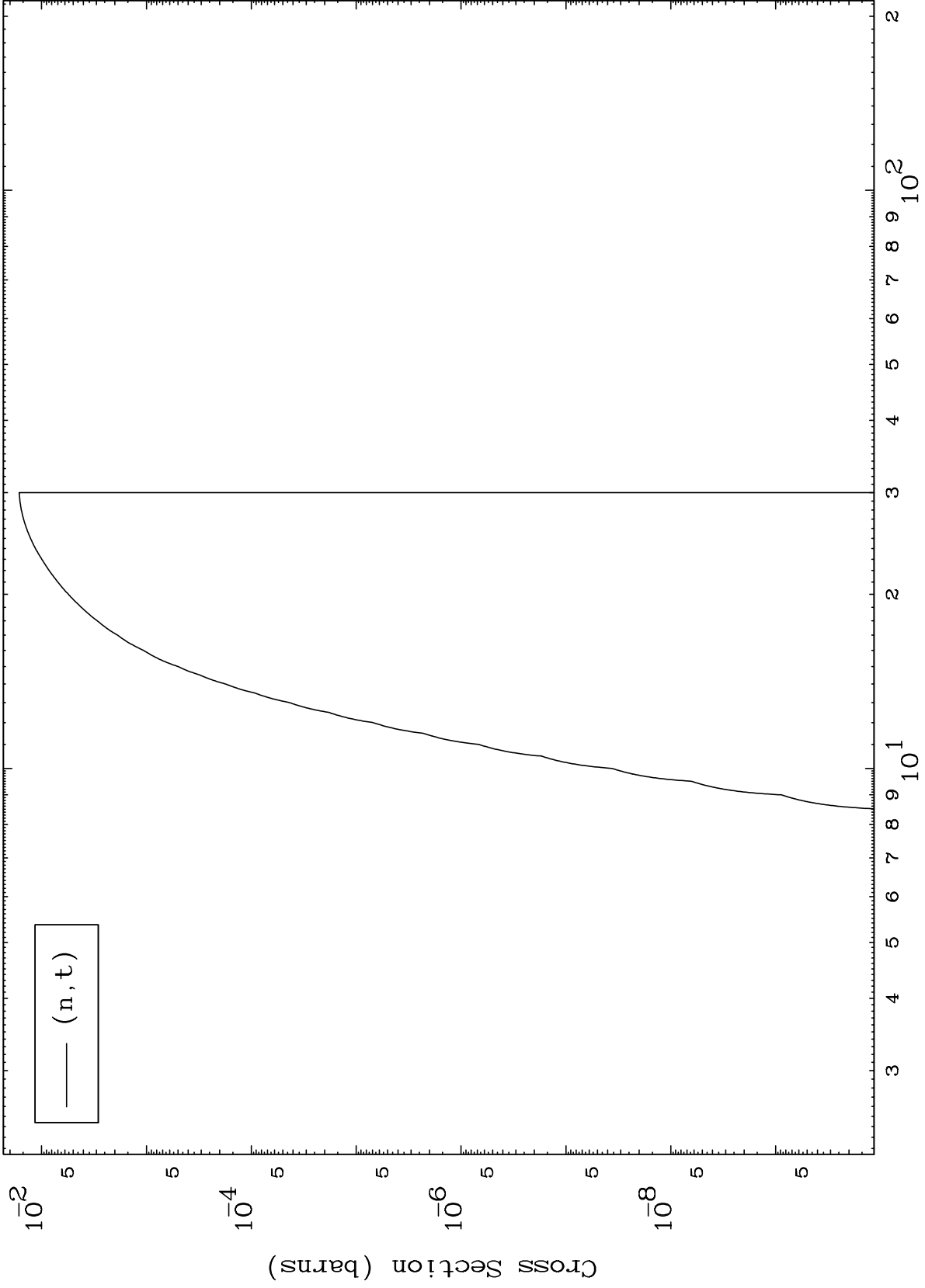
Incident Energy (MeV)

82-Pb-189

MAT 8180

(n,t) Levels
293 Kelvin Cross Sections

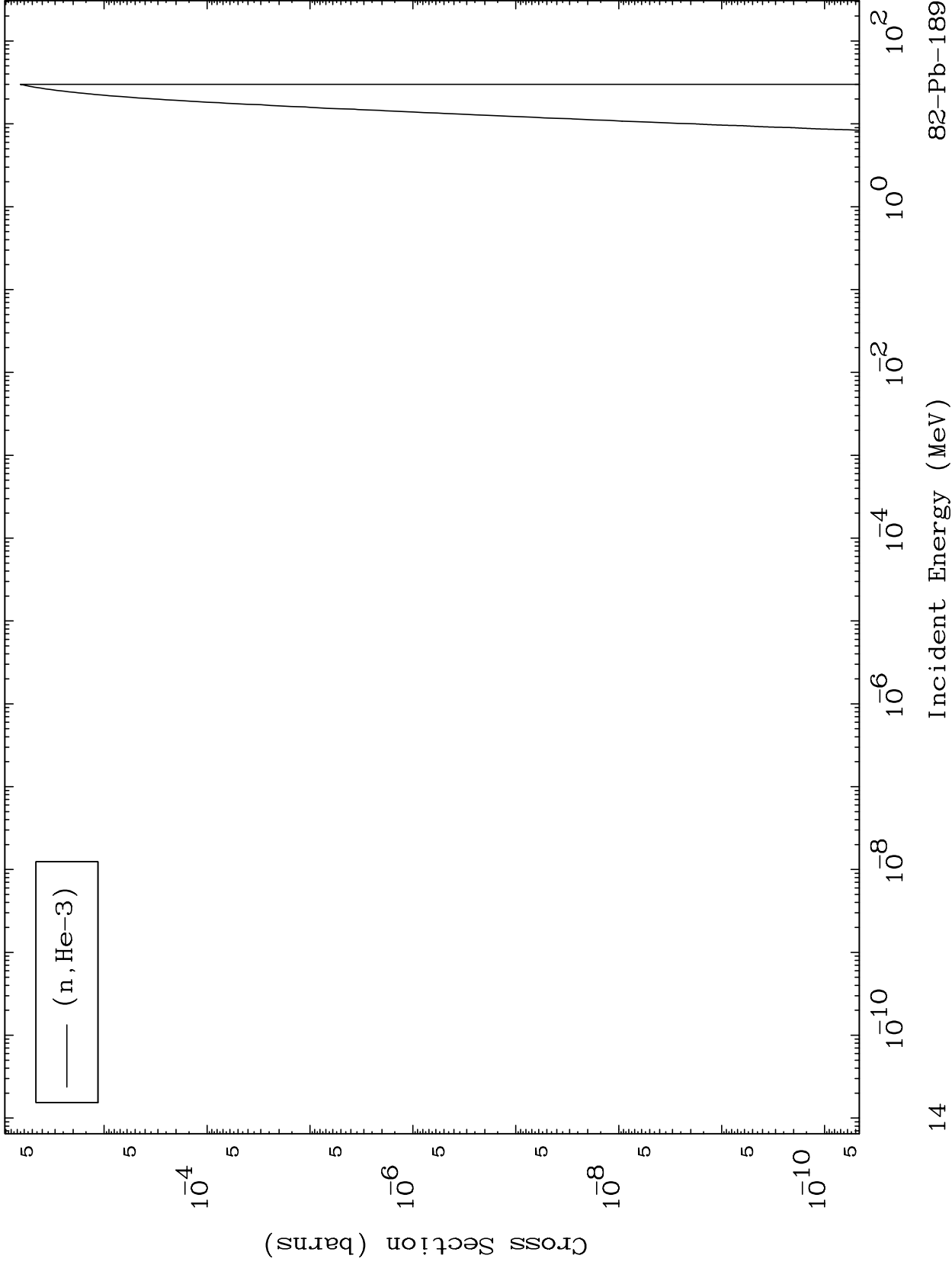
82-Pb-189



MAT 8180

(n,He3) Levels
293 Kelvin Cross Sections

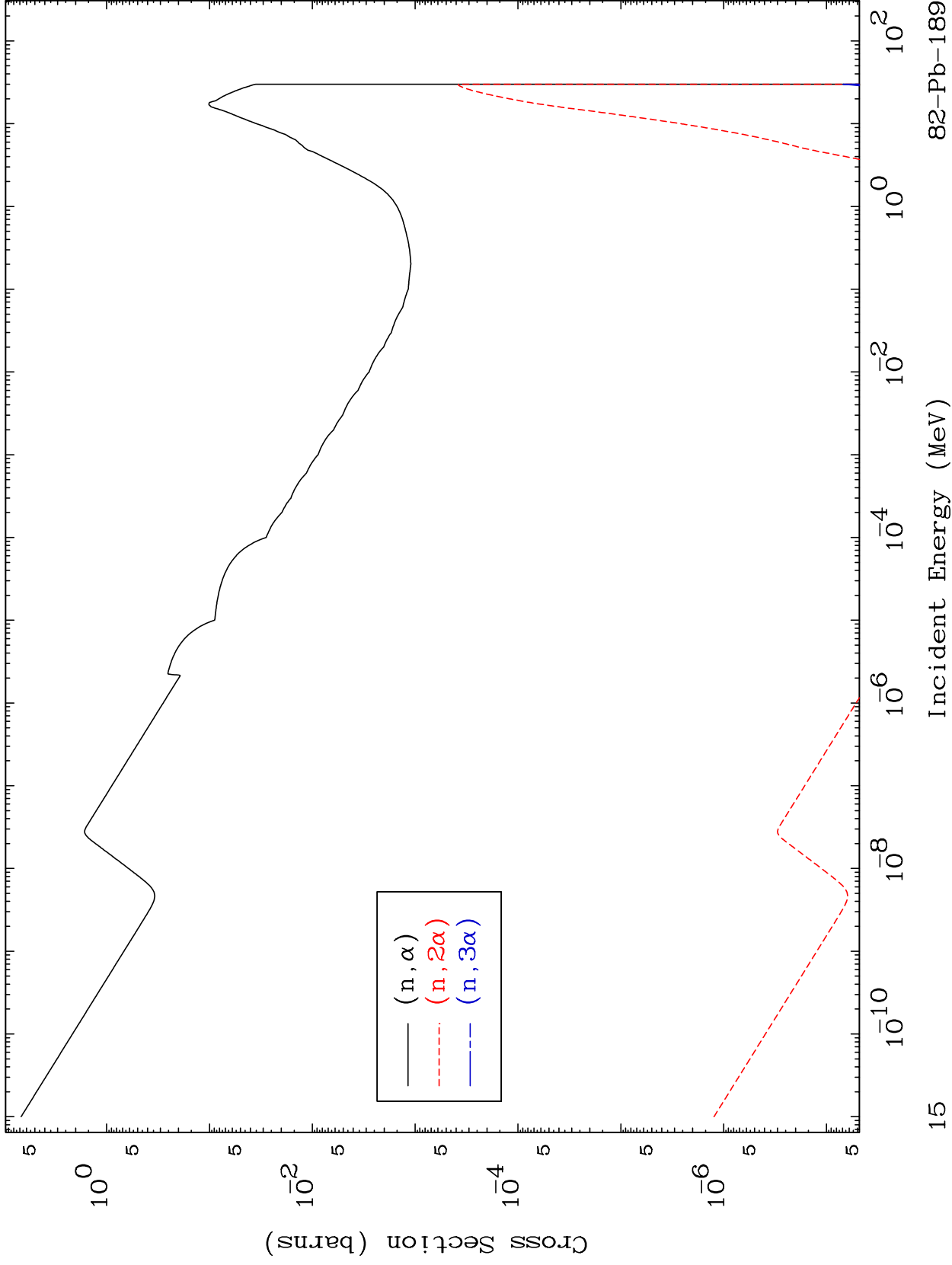
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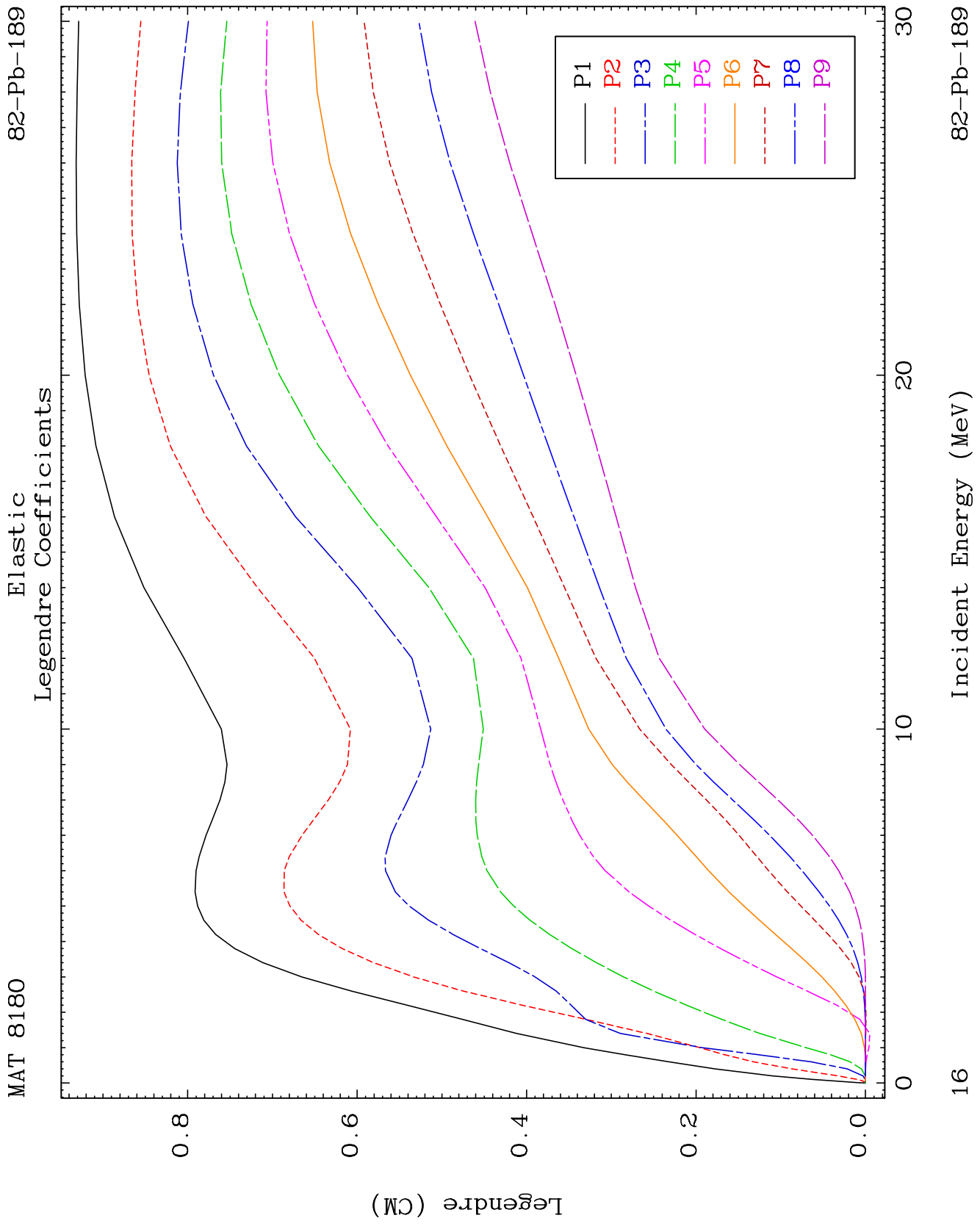


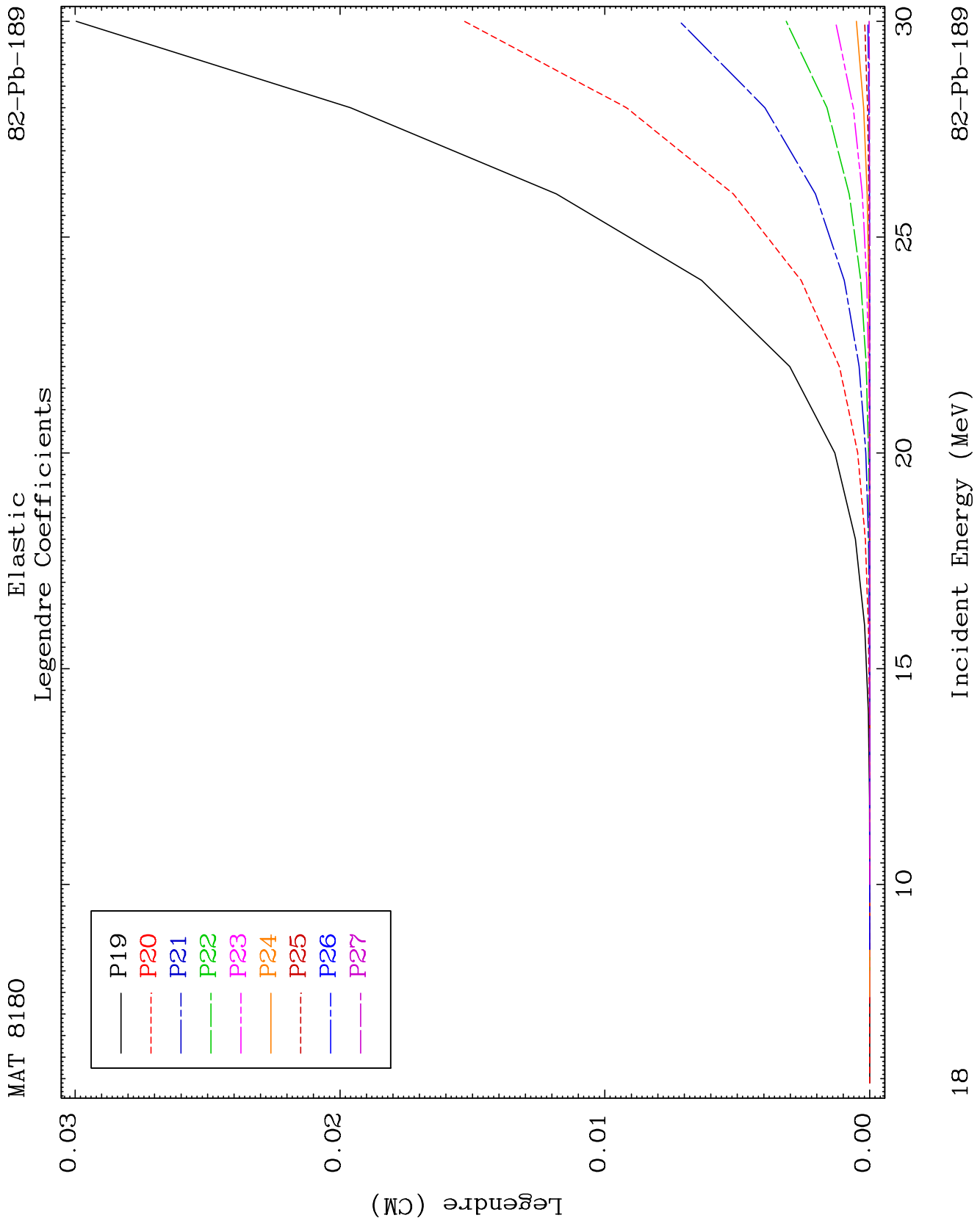
MAT 8180

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-189



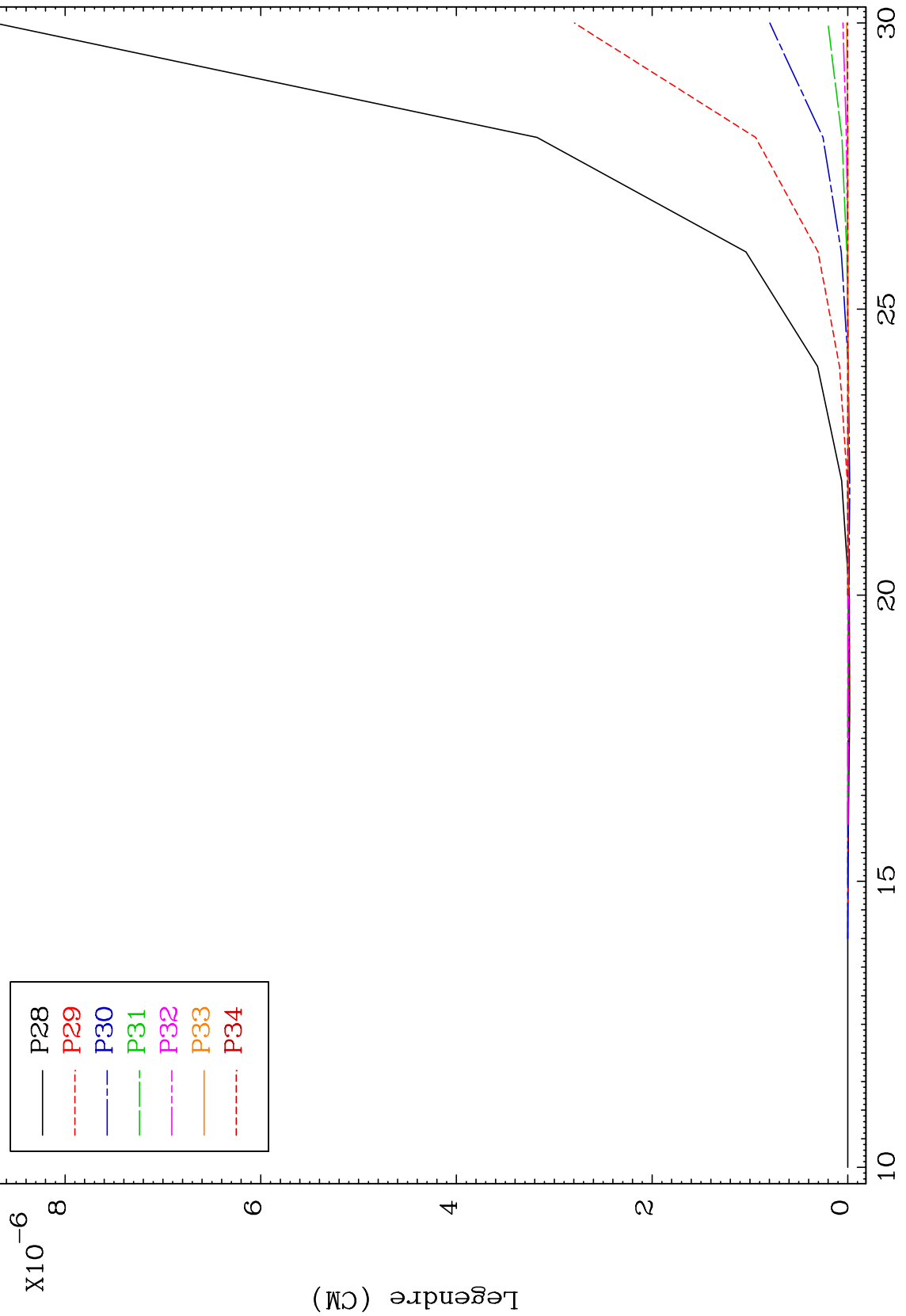
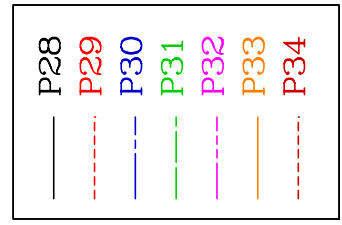




MAT 8180

Elastic Legendre Coefficients

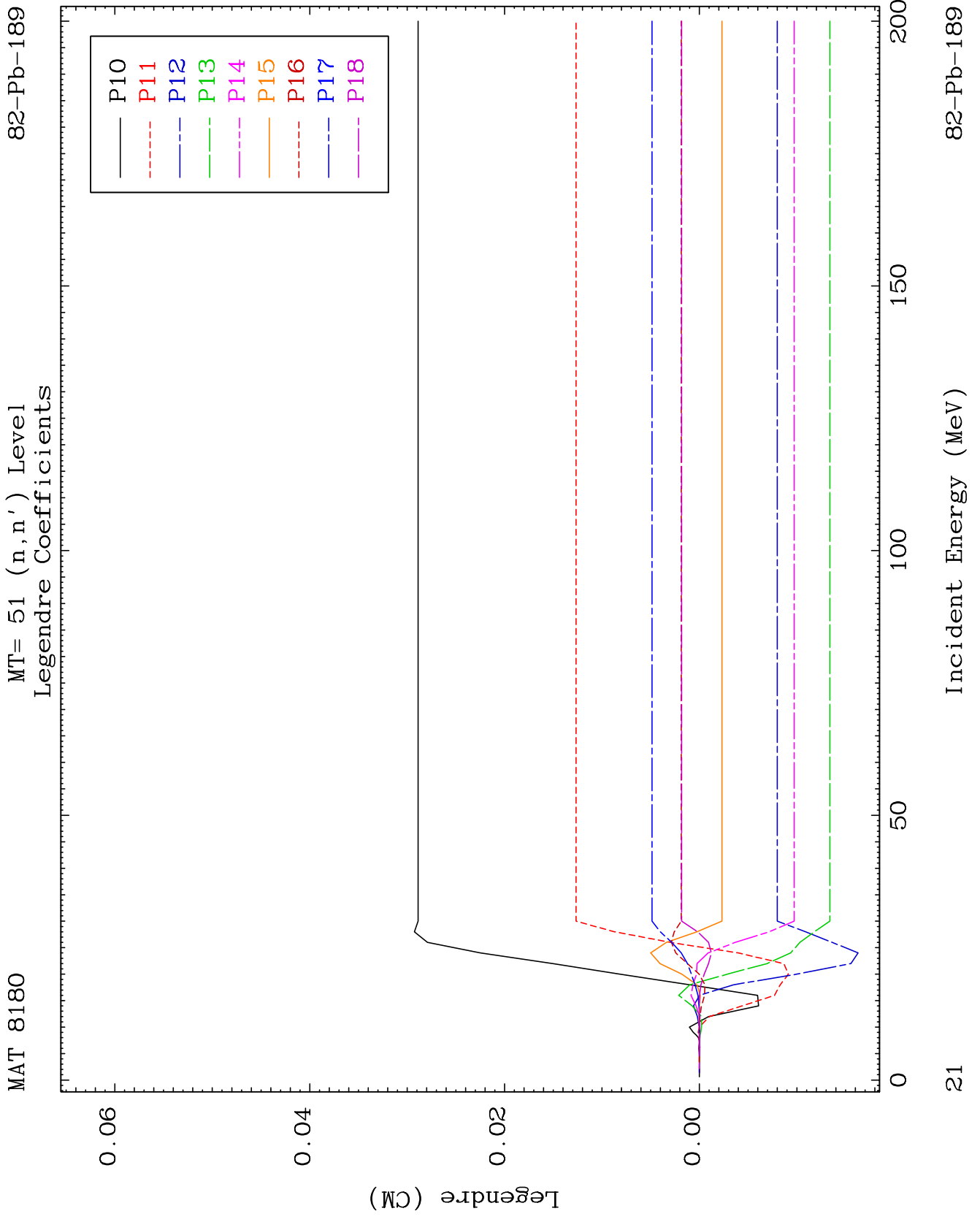
82-Pb-189

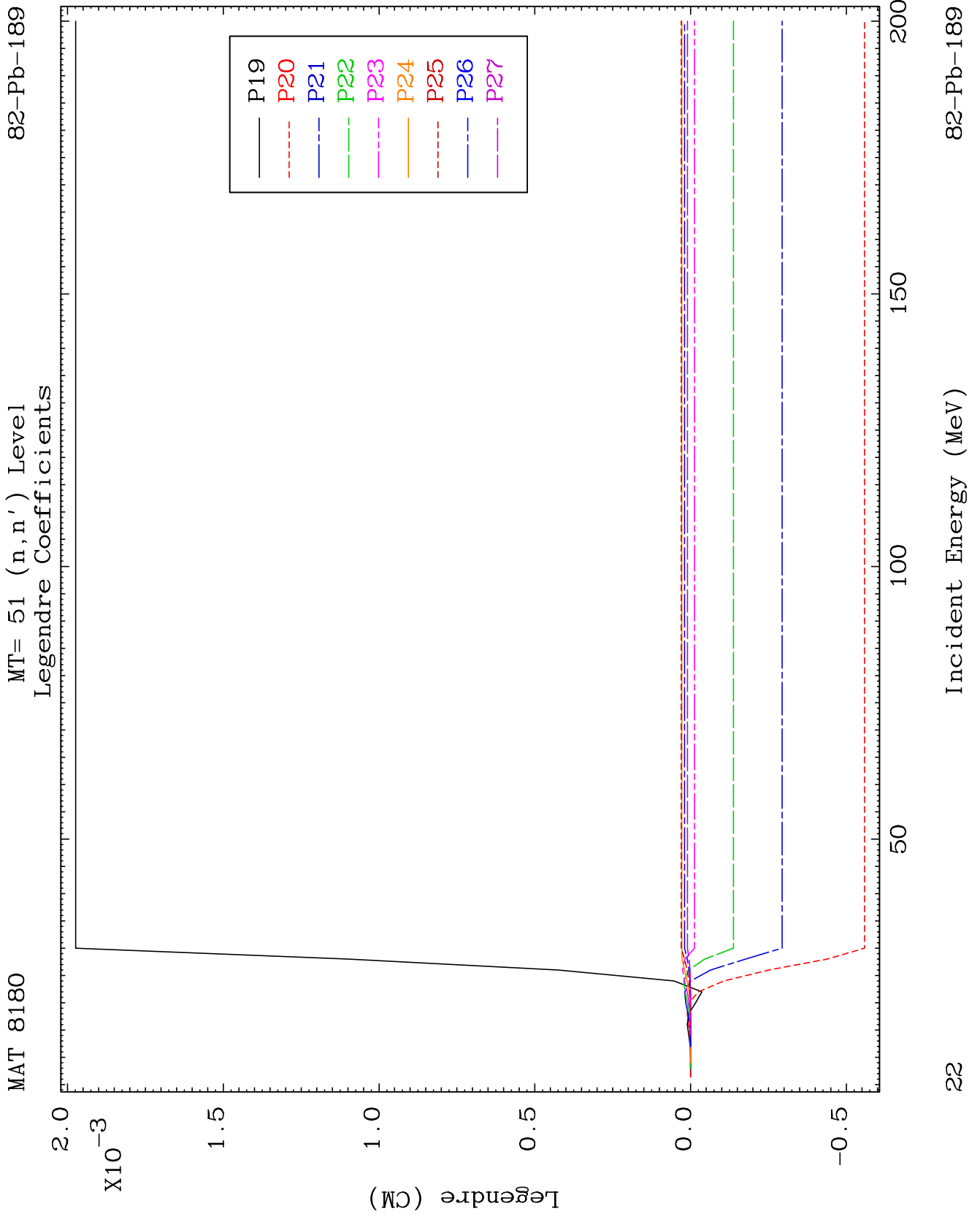


19

Incident Energy (MeV)

82-Pb-189

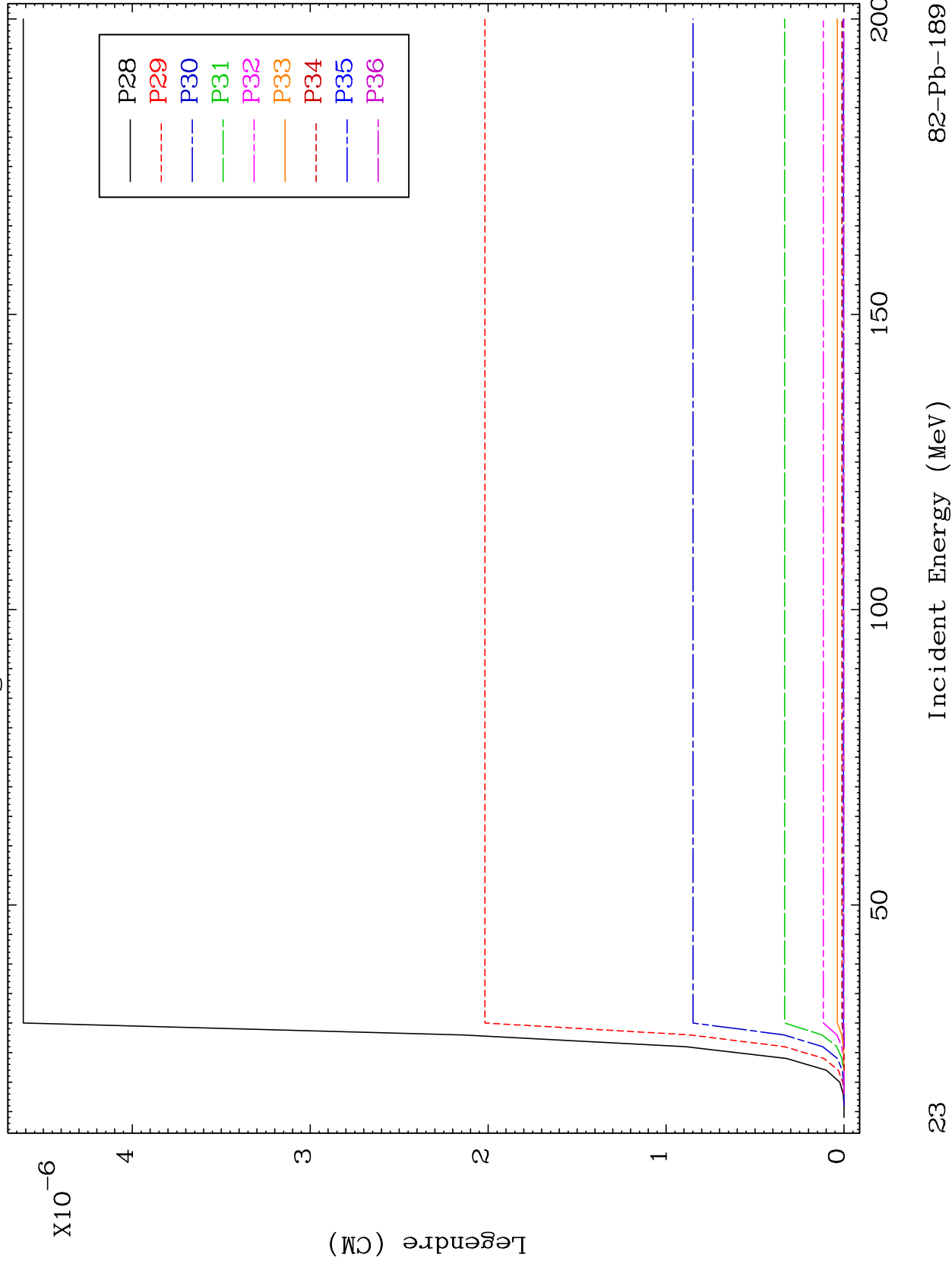




MAT 8180

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

82-Pb-189



23

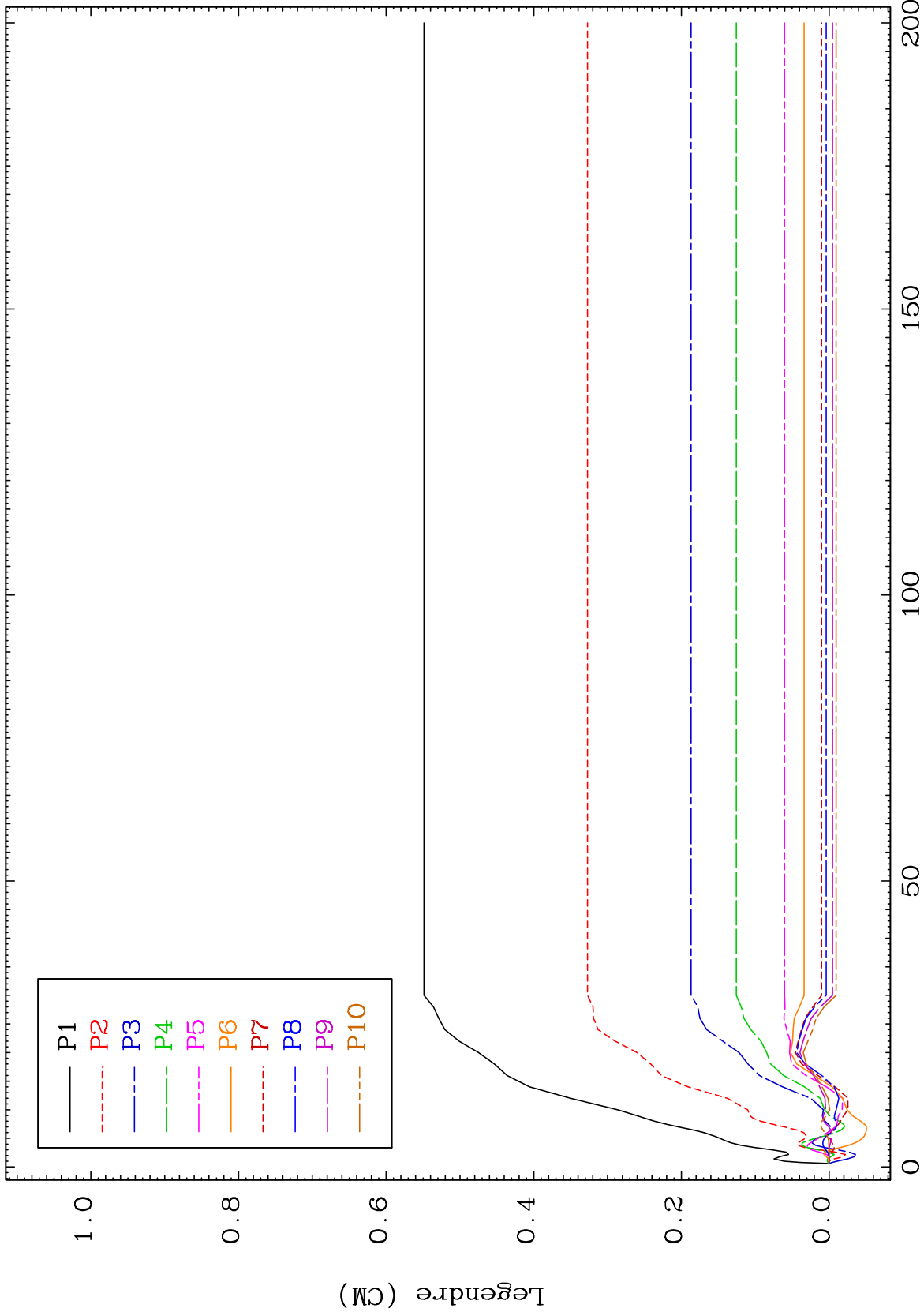
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



24

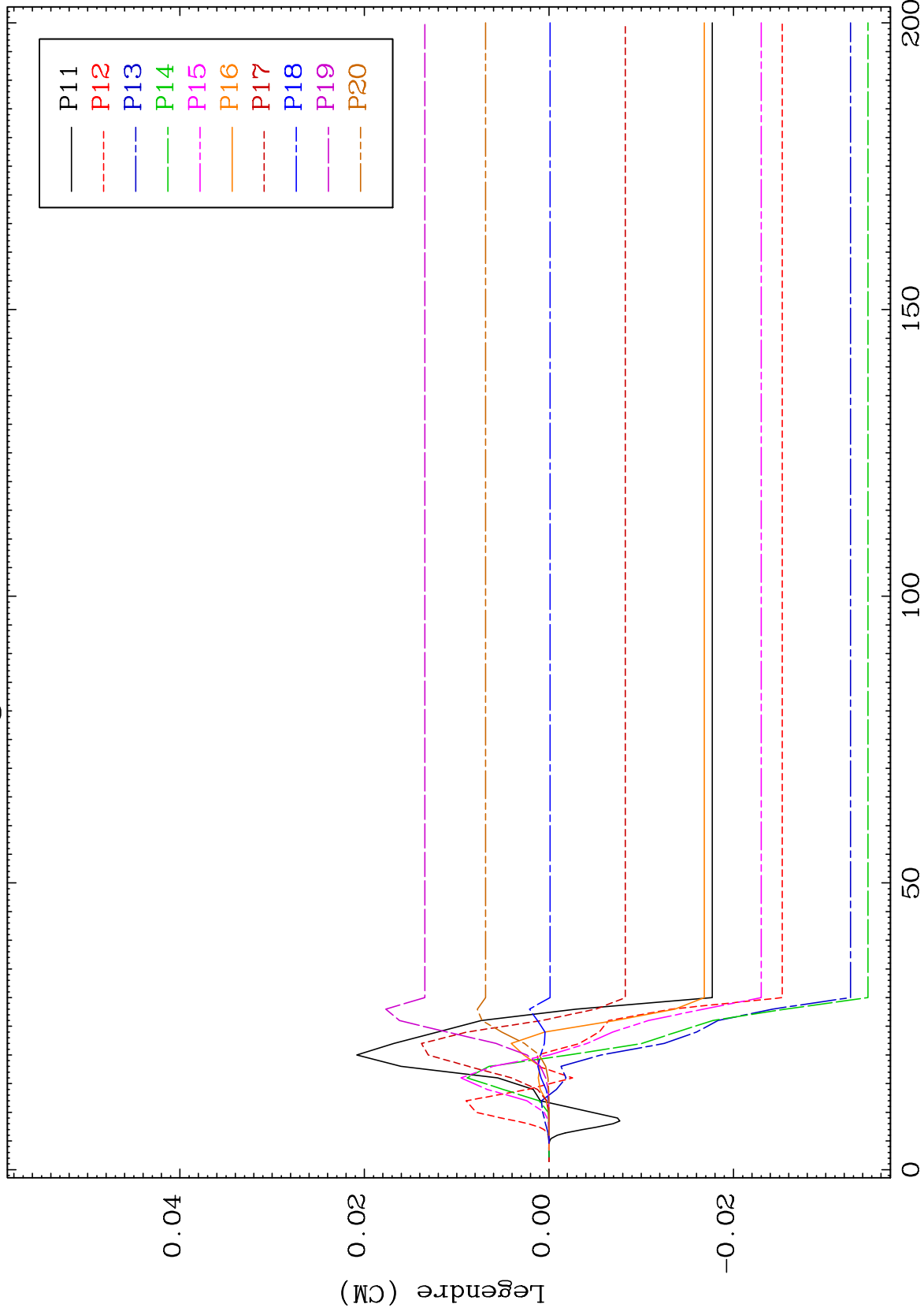
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



25

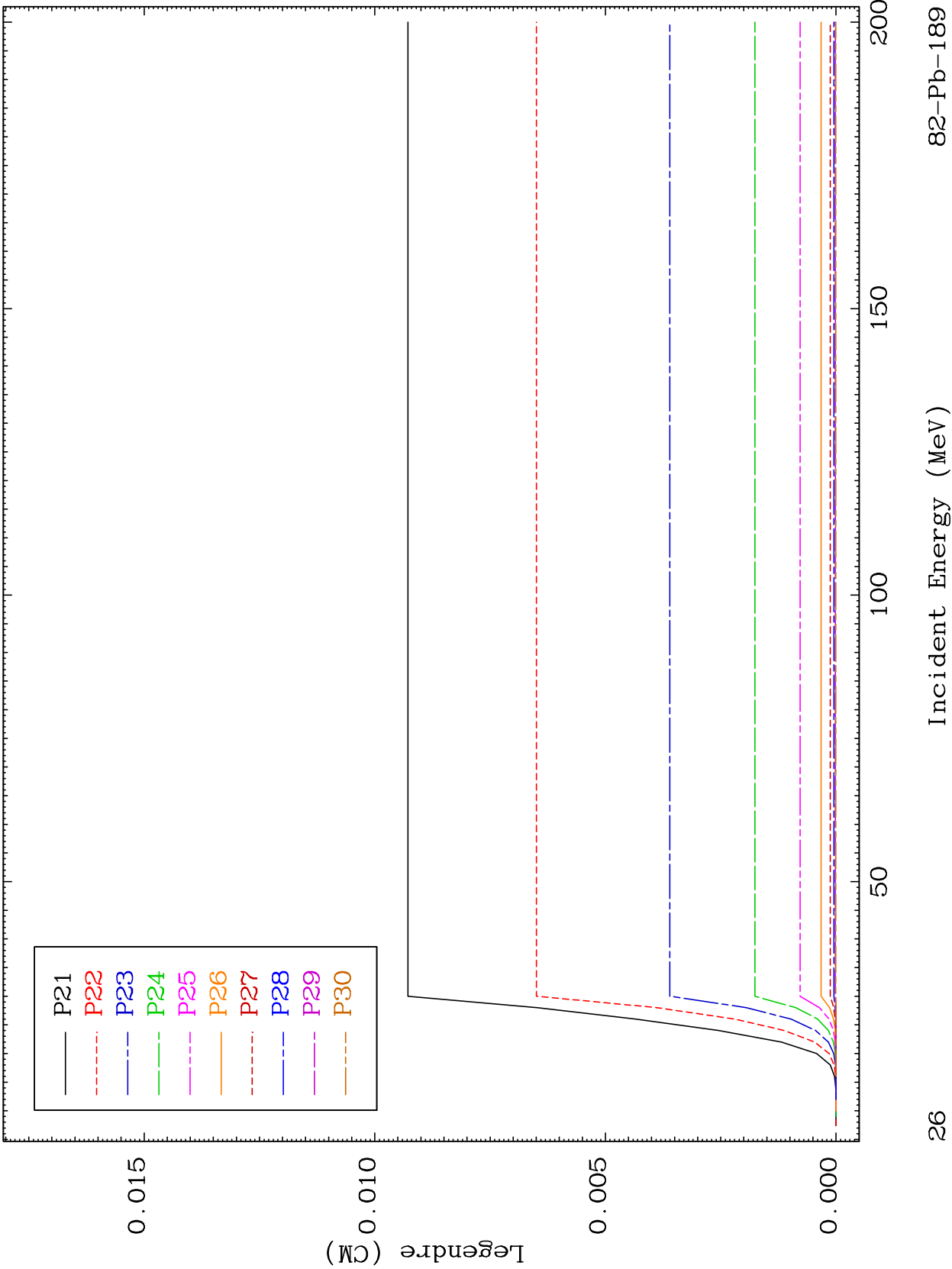
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

82-Pb-189



26

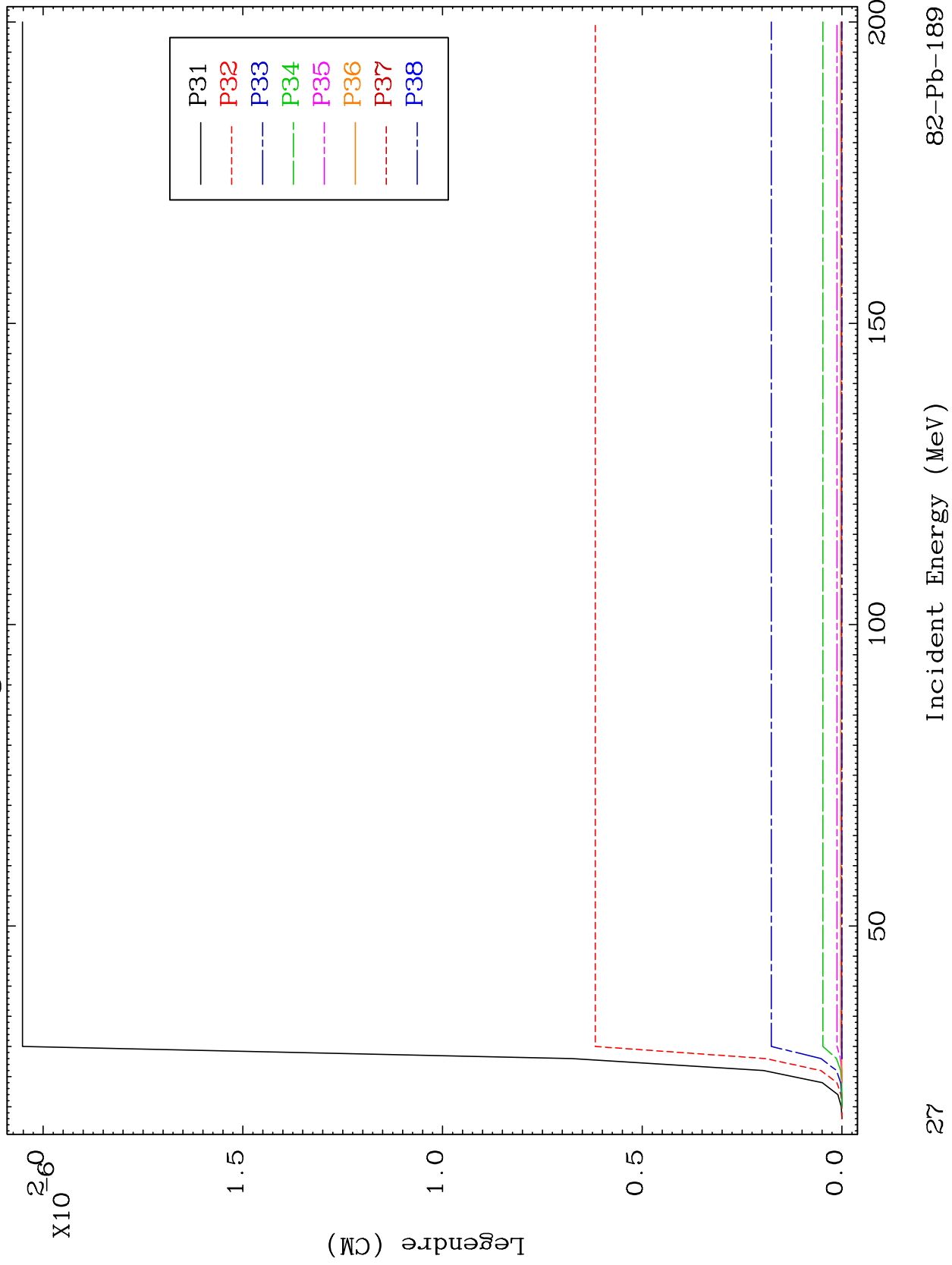
Incident Energy (MeV)

82-Pb-189

MAT 8180

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

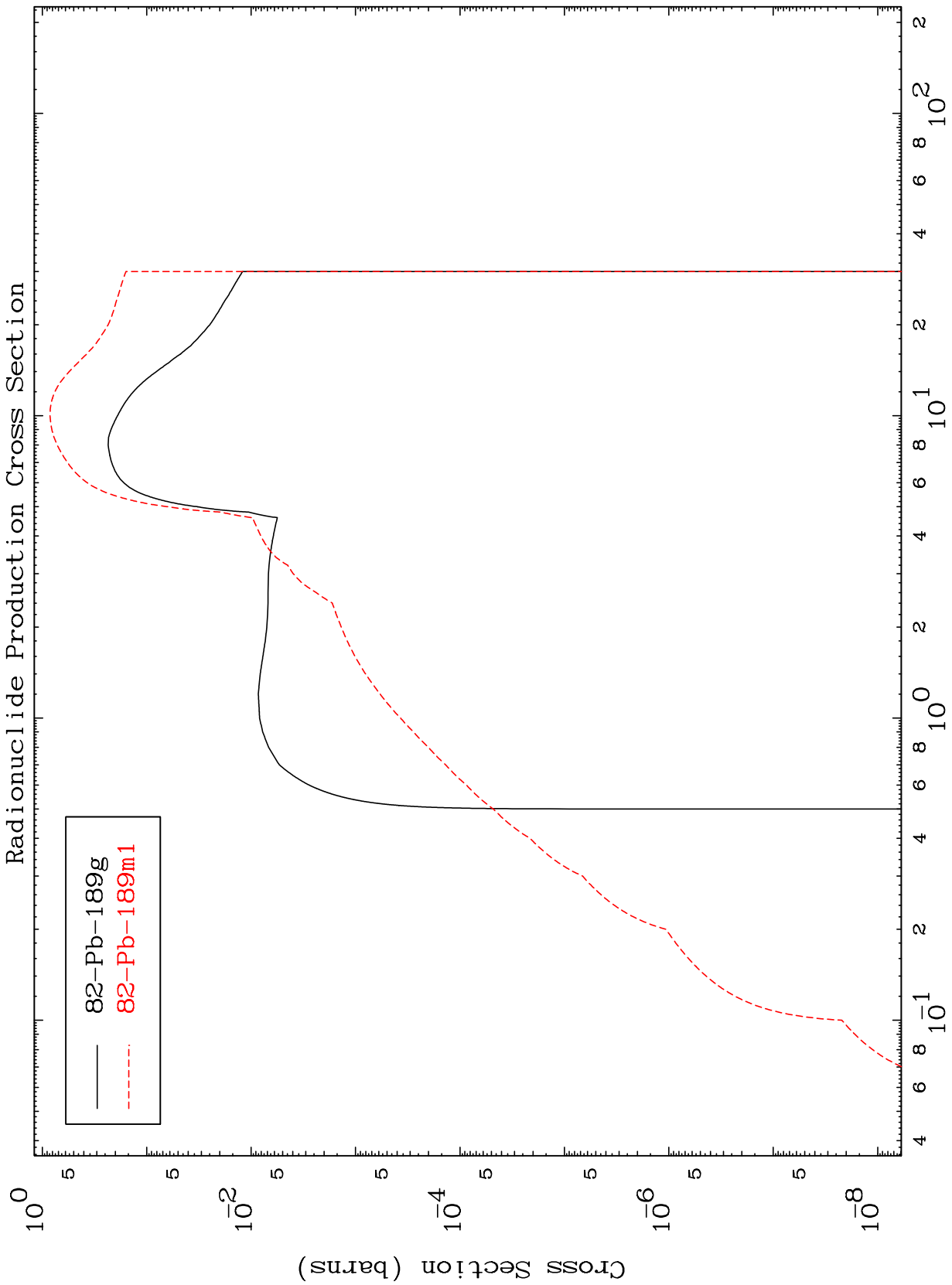
82-Pb-189



MAT 8180

82-Pb-189

Inelastic
Radionuclide Production Cross Section



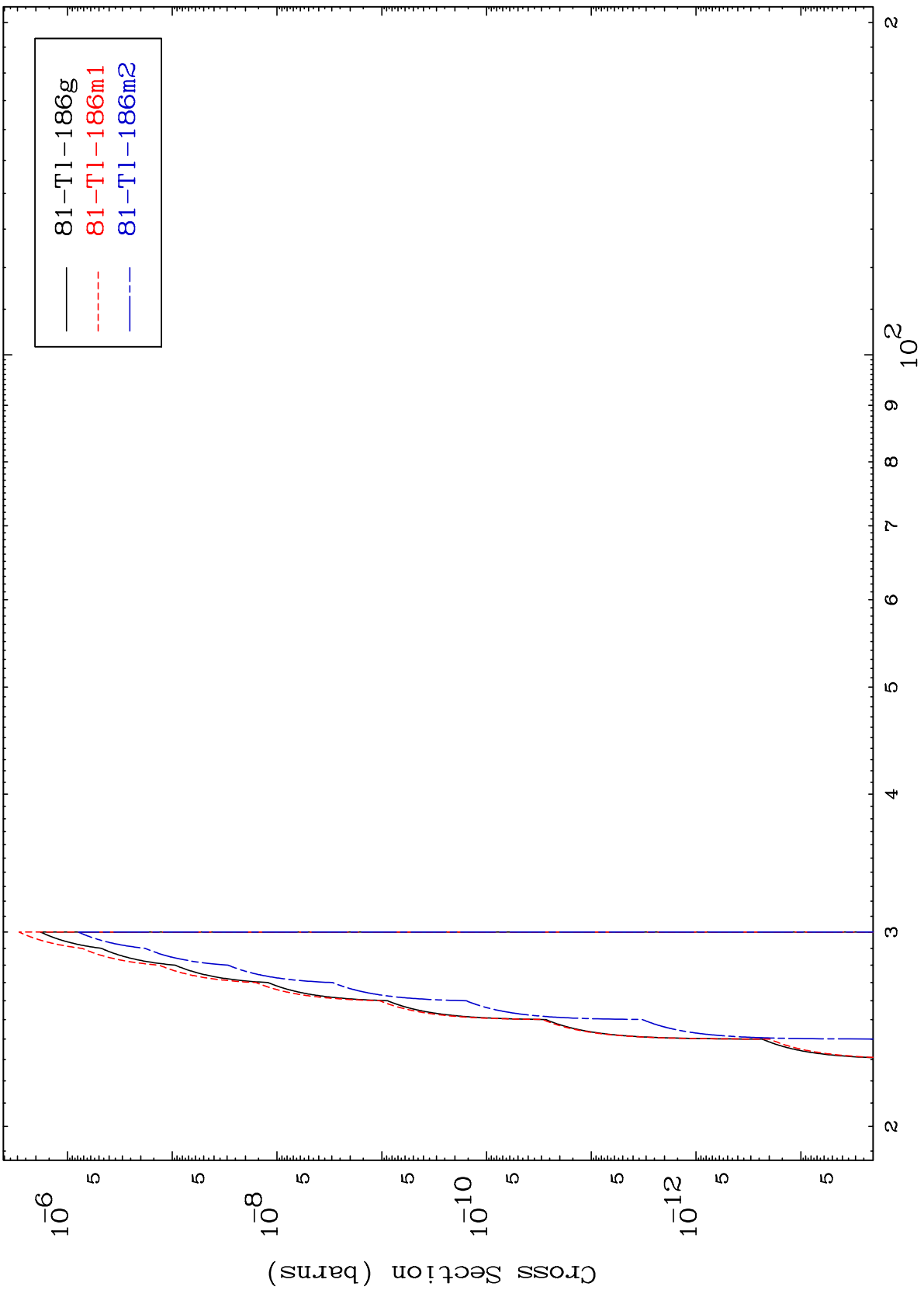
82-Pb-189g
82-Pb-189m1

28

Incident Energy (MeV)

82-Pb-189

Radionuclide Production Cross Section

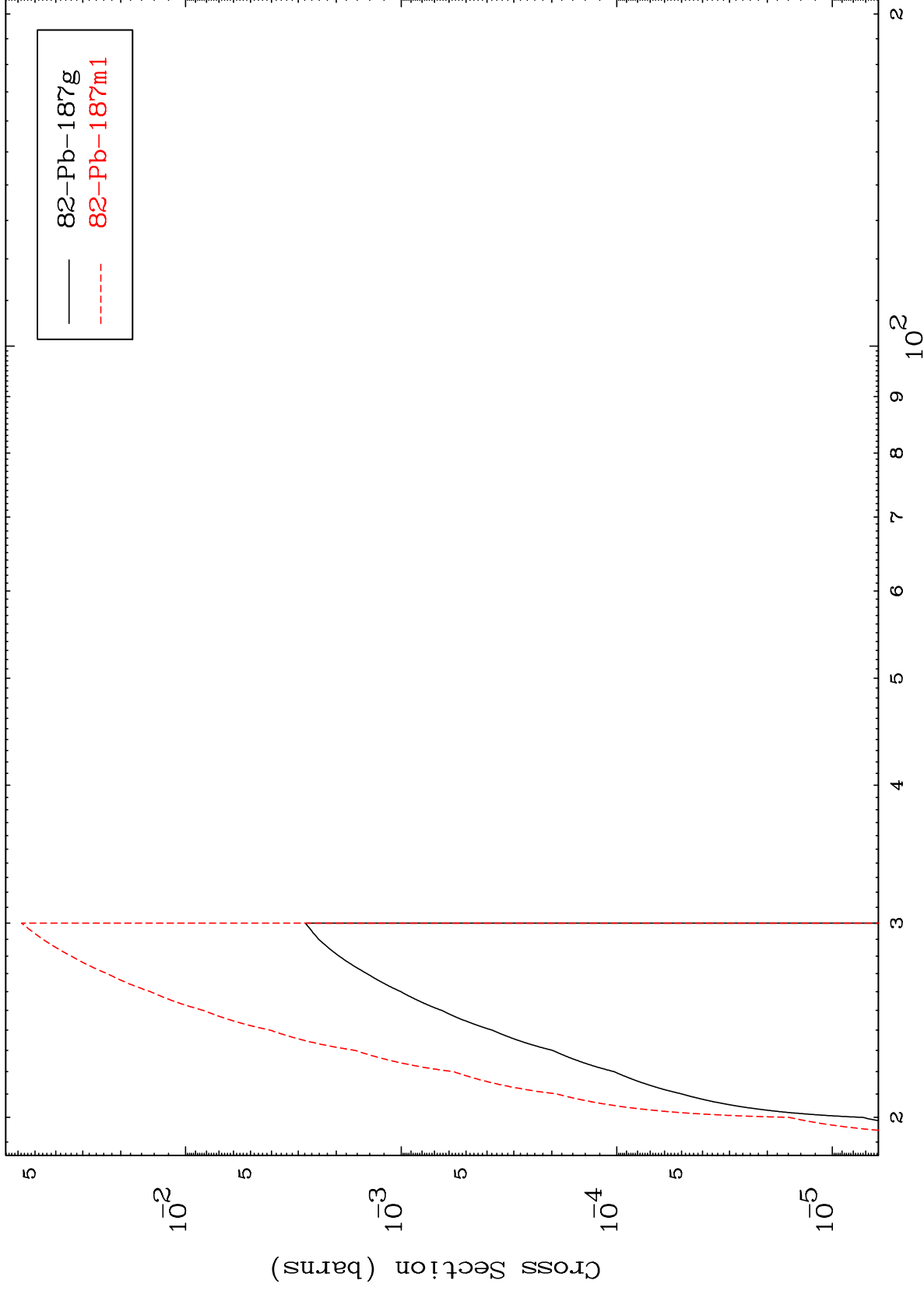


MAT 8180

(n,3n)

82-Pb-189

Radionuclide Production Cross Section



30

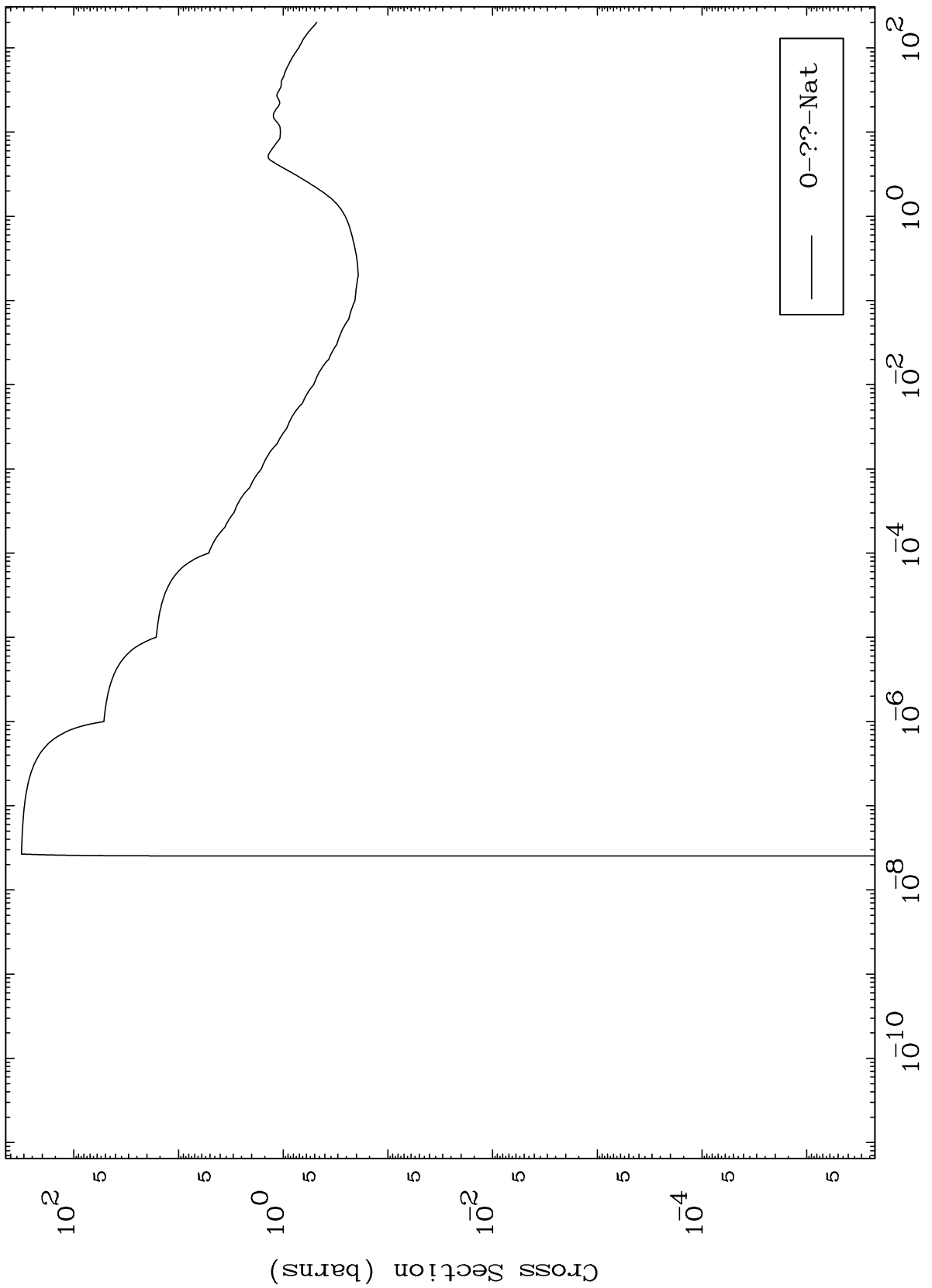
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

Fission
Radionuclide Production Cross Section

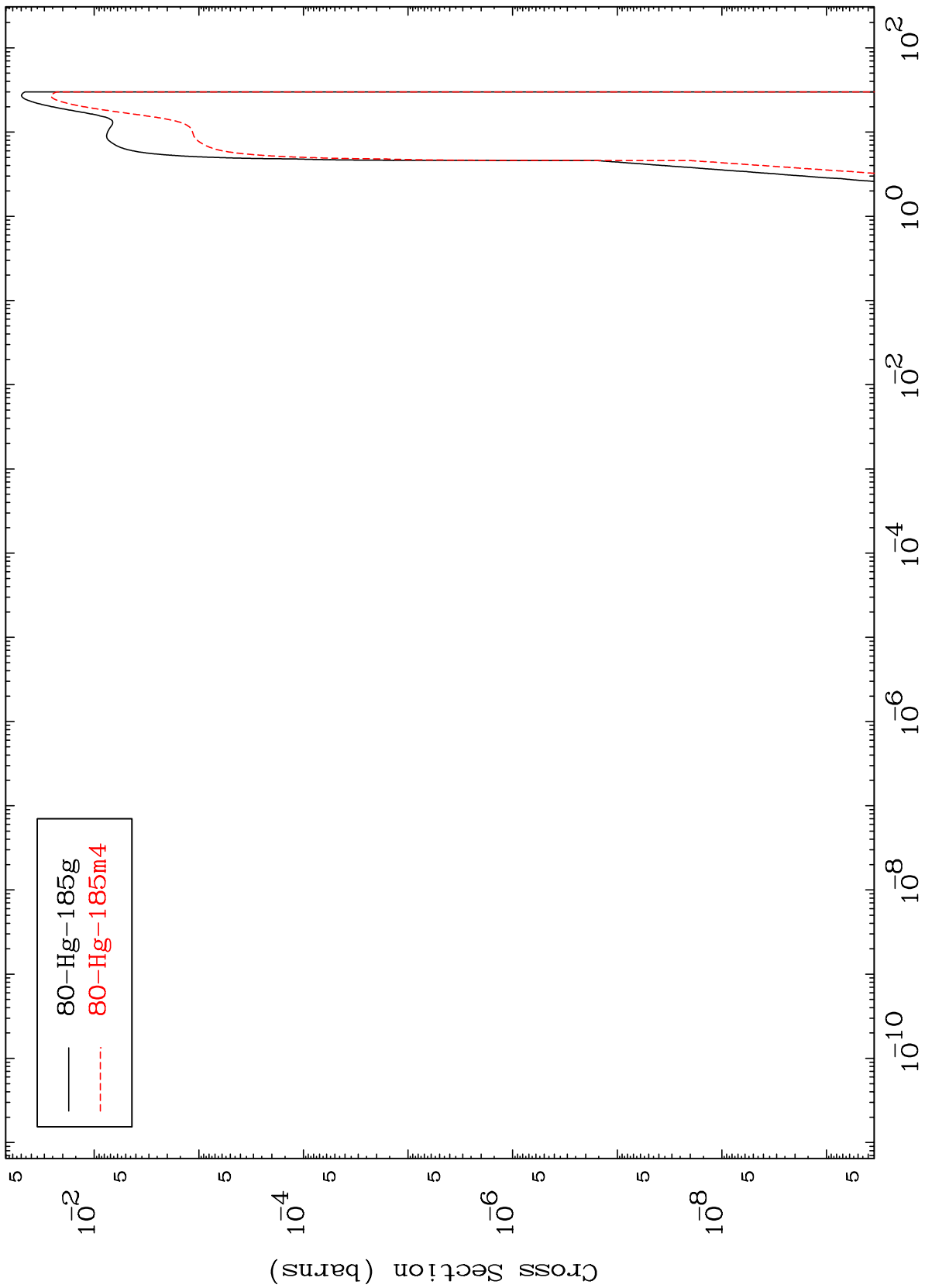


MAT 8180

$(n, n') \alpha$

82-Pb-189

Radionuclide Production Cross Section



32

Incident Energy (MeV)

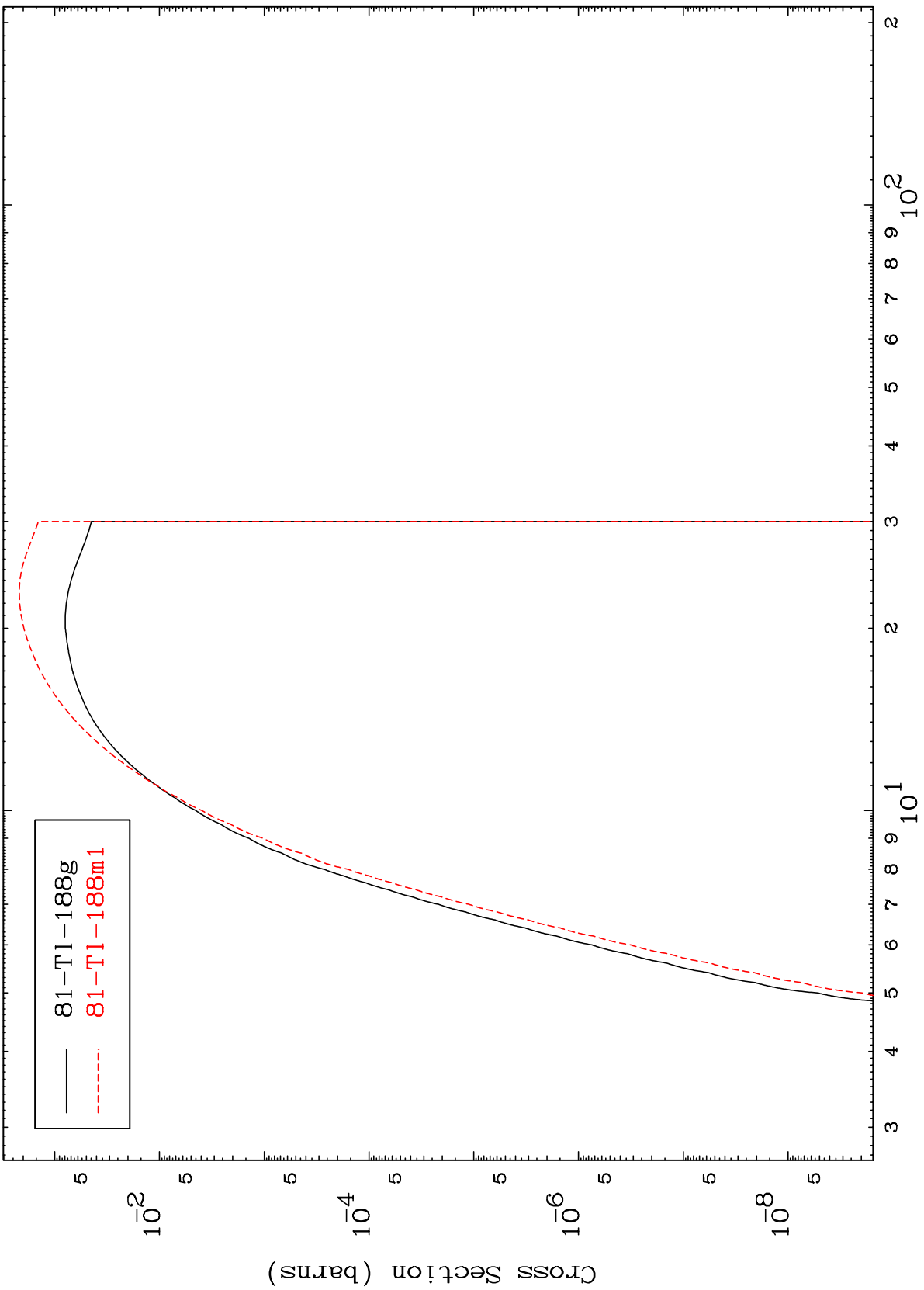
82-Pb-189

MAT 8180

(n,n') p

82-Pb-189

Radionuclide Production Cross Section



33

Incident Energy (MeV)

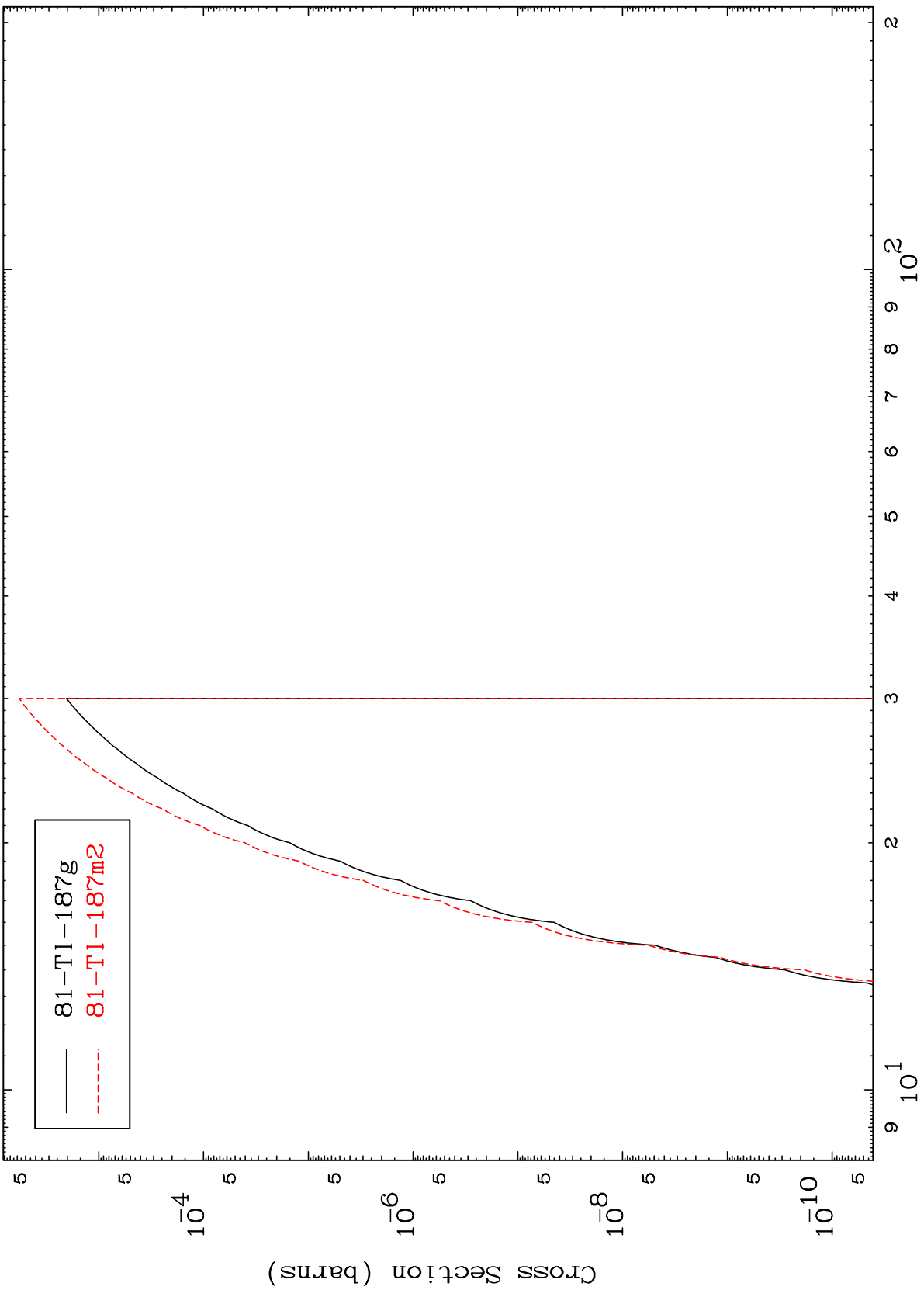
82-Pb-189

MAT 8180

(n,n') d

82-Pb-189

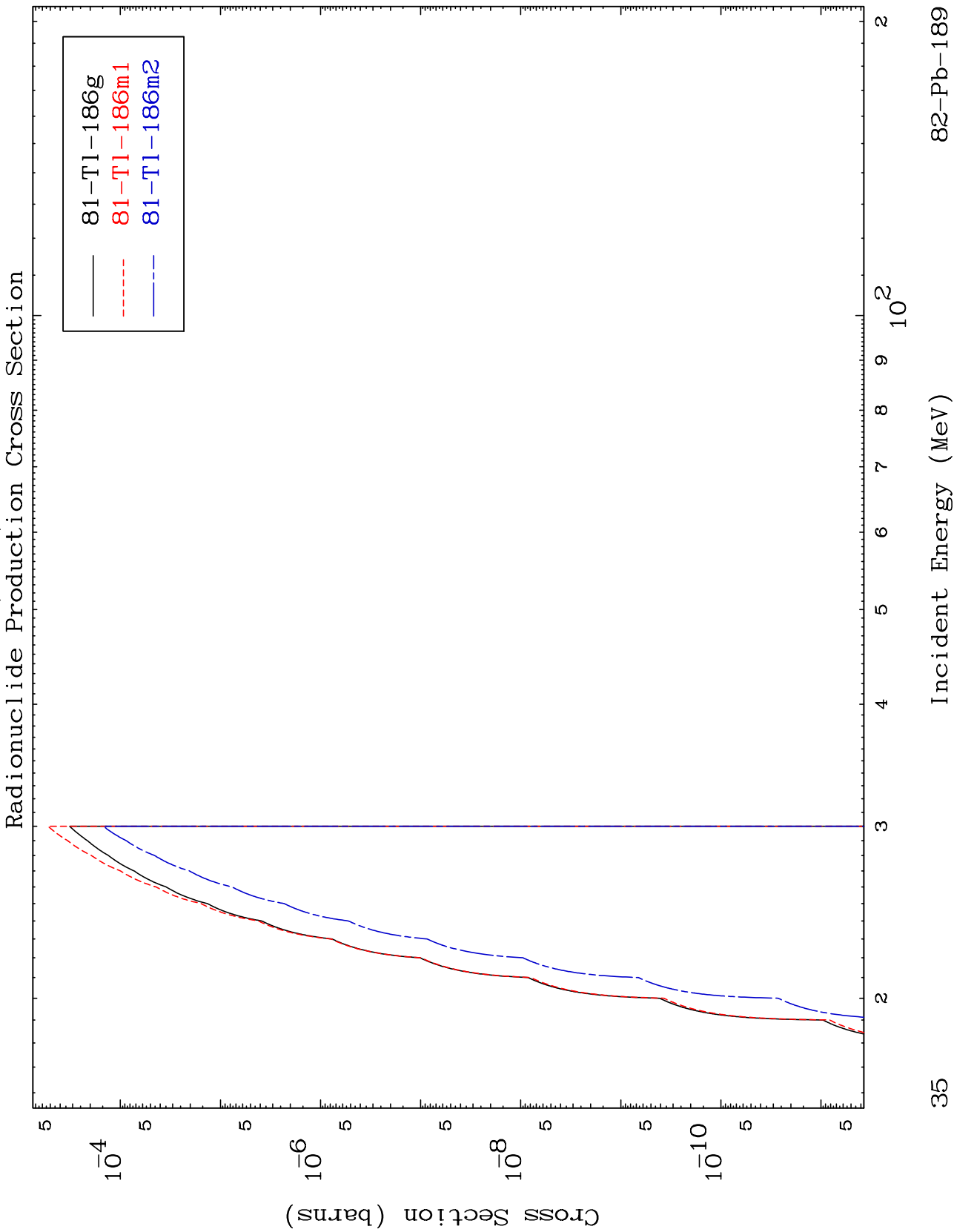
Radionuclide Production Cross Section



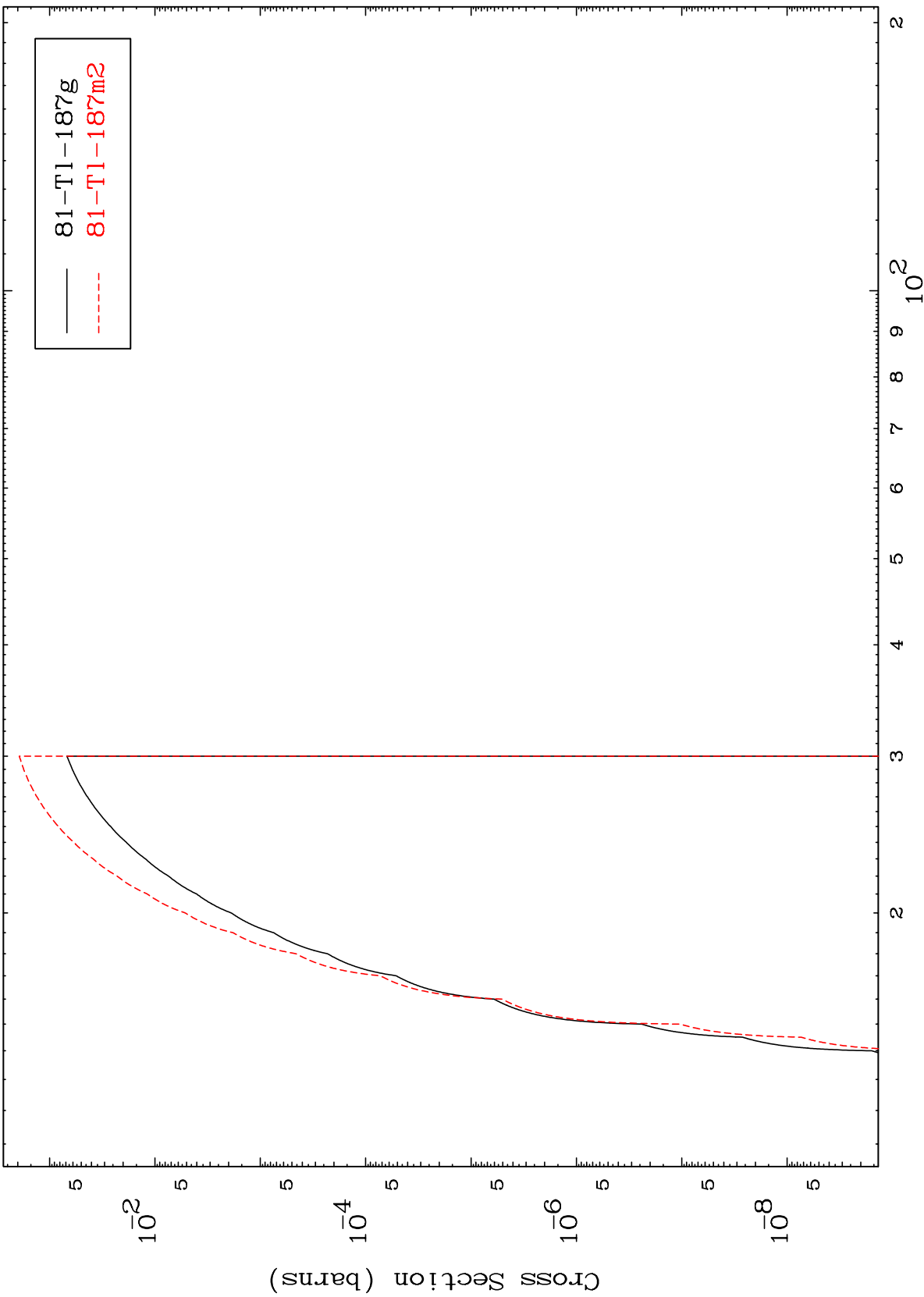
34

Incident Energy (MeV)

82-Pb-189



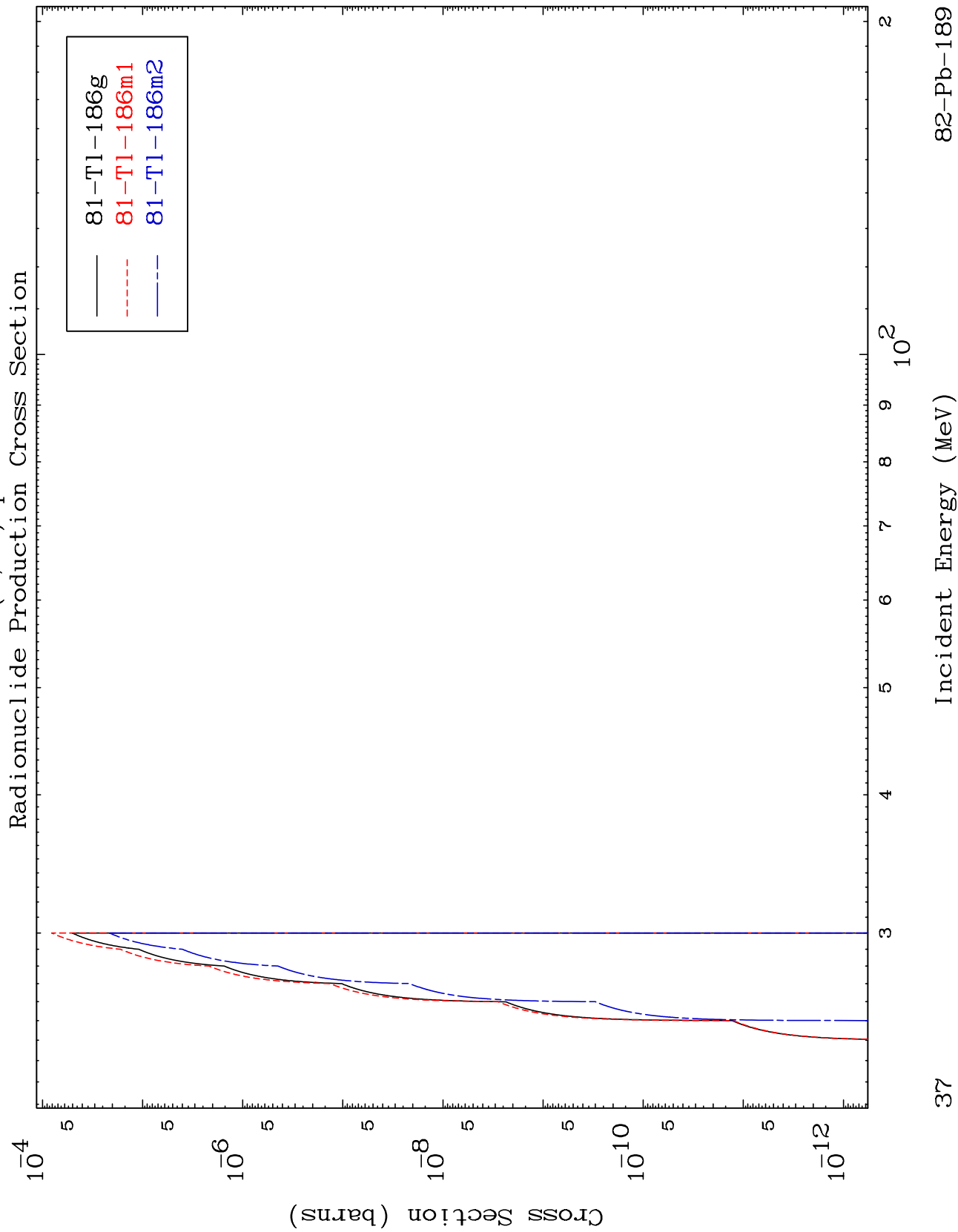
Radionuclide Production Cross Section



MAT 8180

(n,3n) p

82-Pb-189



37

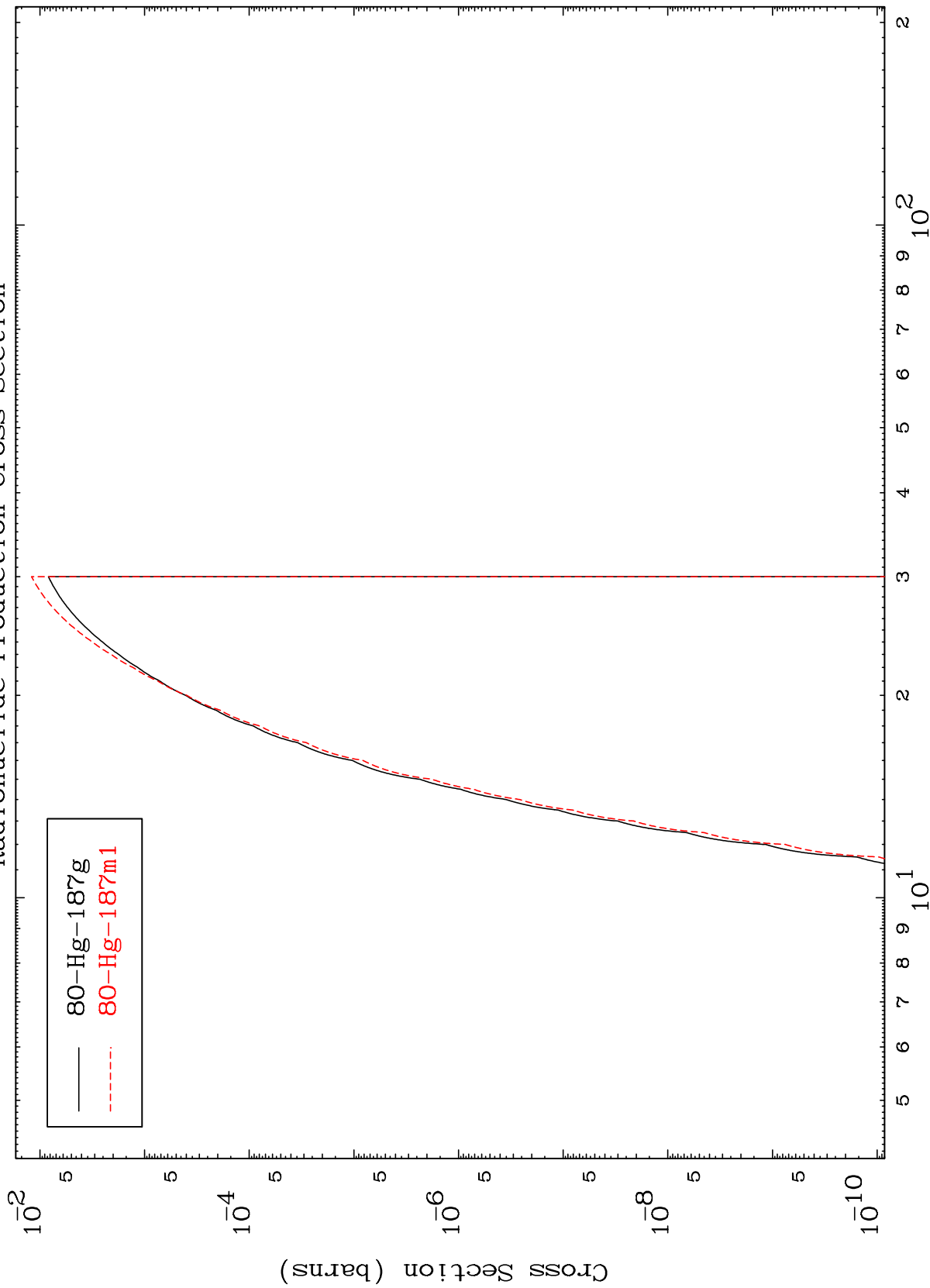
82-Pb-189

MAT 8180

(n,2n) p

82-Pb-189

Radionuclide Production Cross Section



38

Incident Energy (MeV)

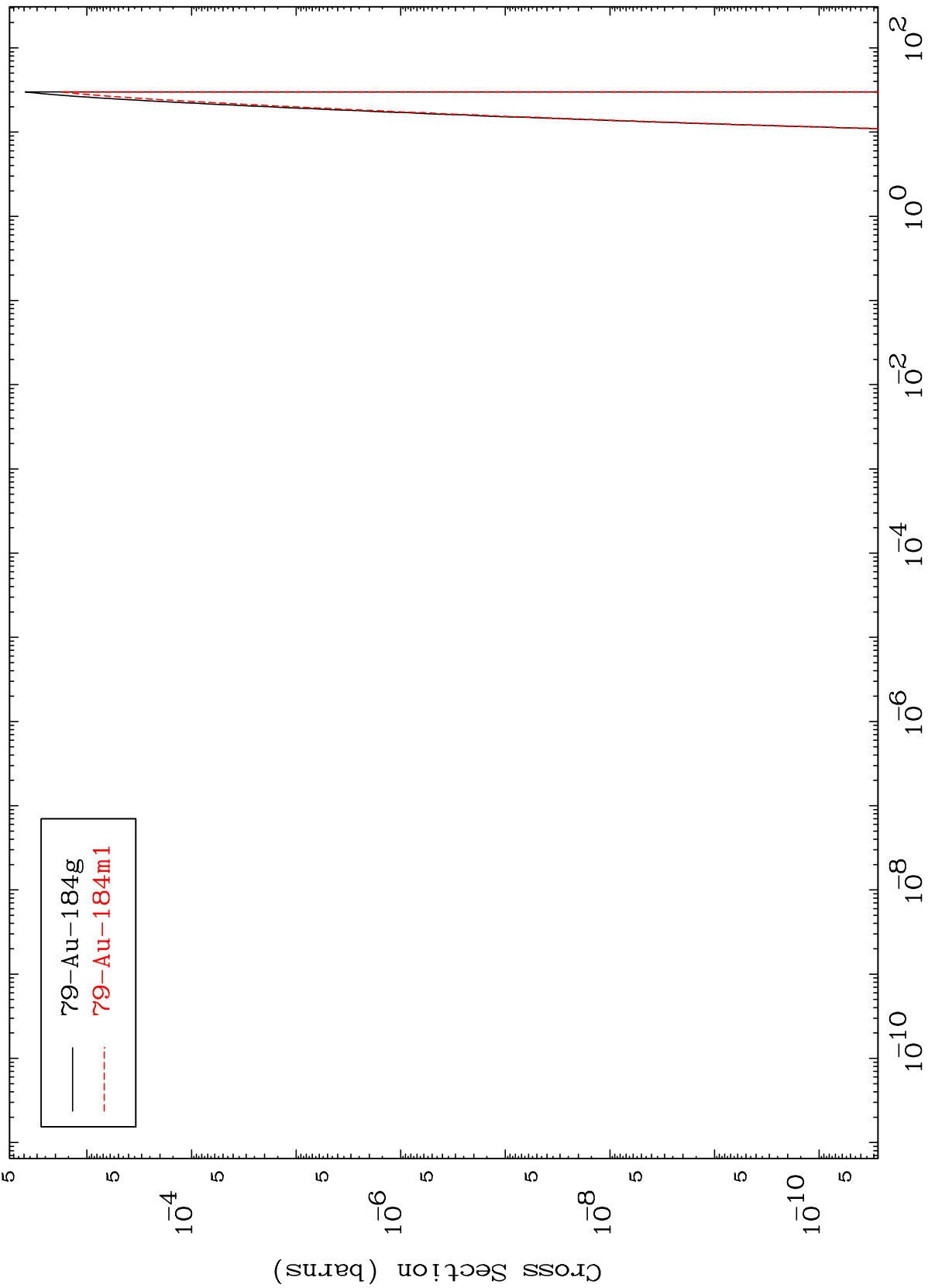
82-Pb-189

MAT 8180

(n,n') p α

82-Pb-189

Radionuclide Production Cross Section



79-Au-184g
79-Au-184m1

39

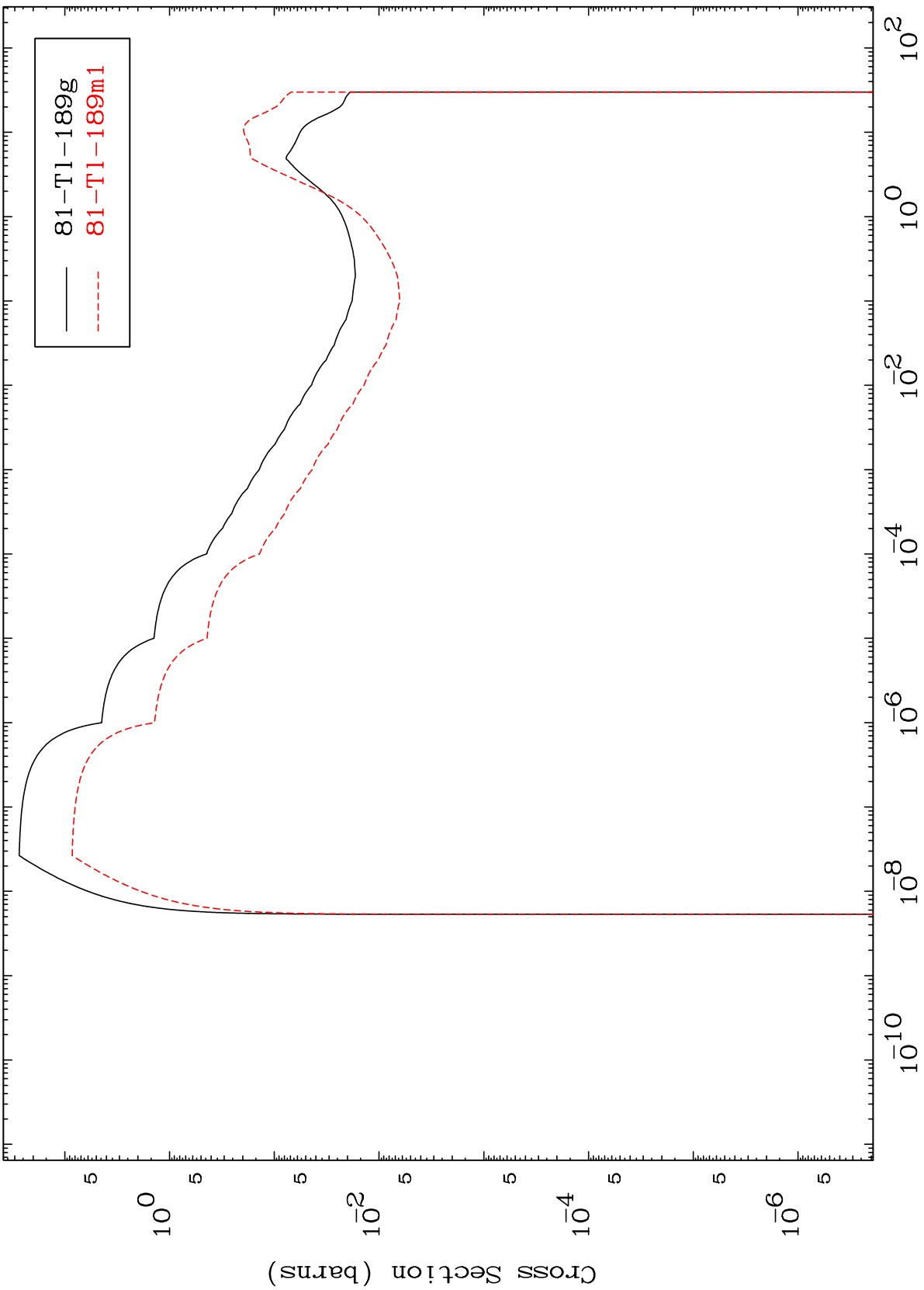
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

(n,p)
Radionuclide Production Cross Section



— 81-Tl-189g
- - - 81-Tl-189m1

40

82-Pb-189

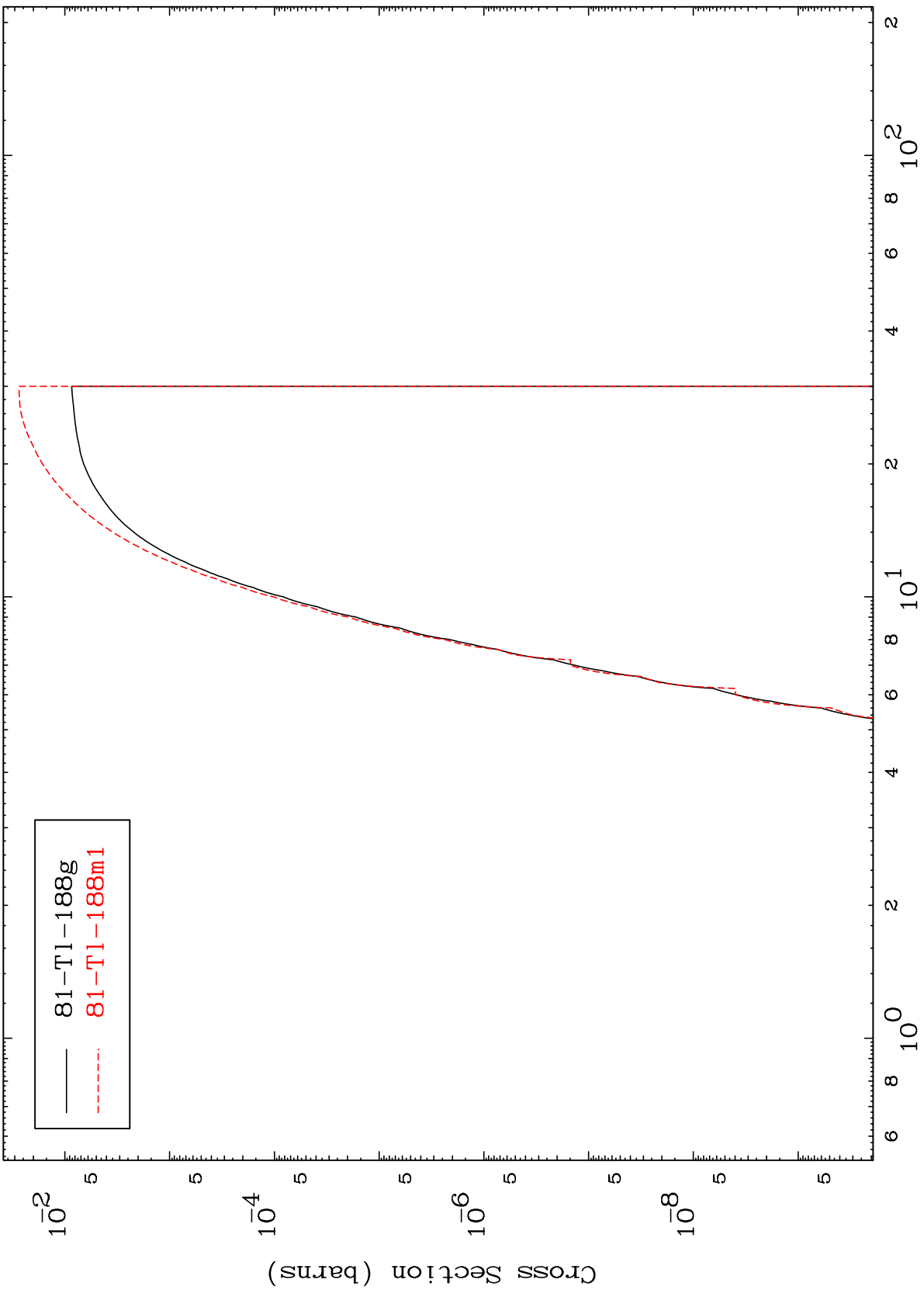
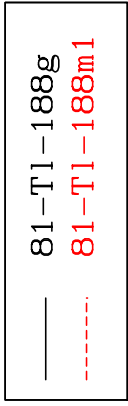
Incident Energy (MeV)

MAT 8180

(n,d)

82-Pb-189

Radionuclide Production Cross Section



41

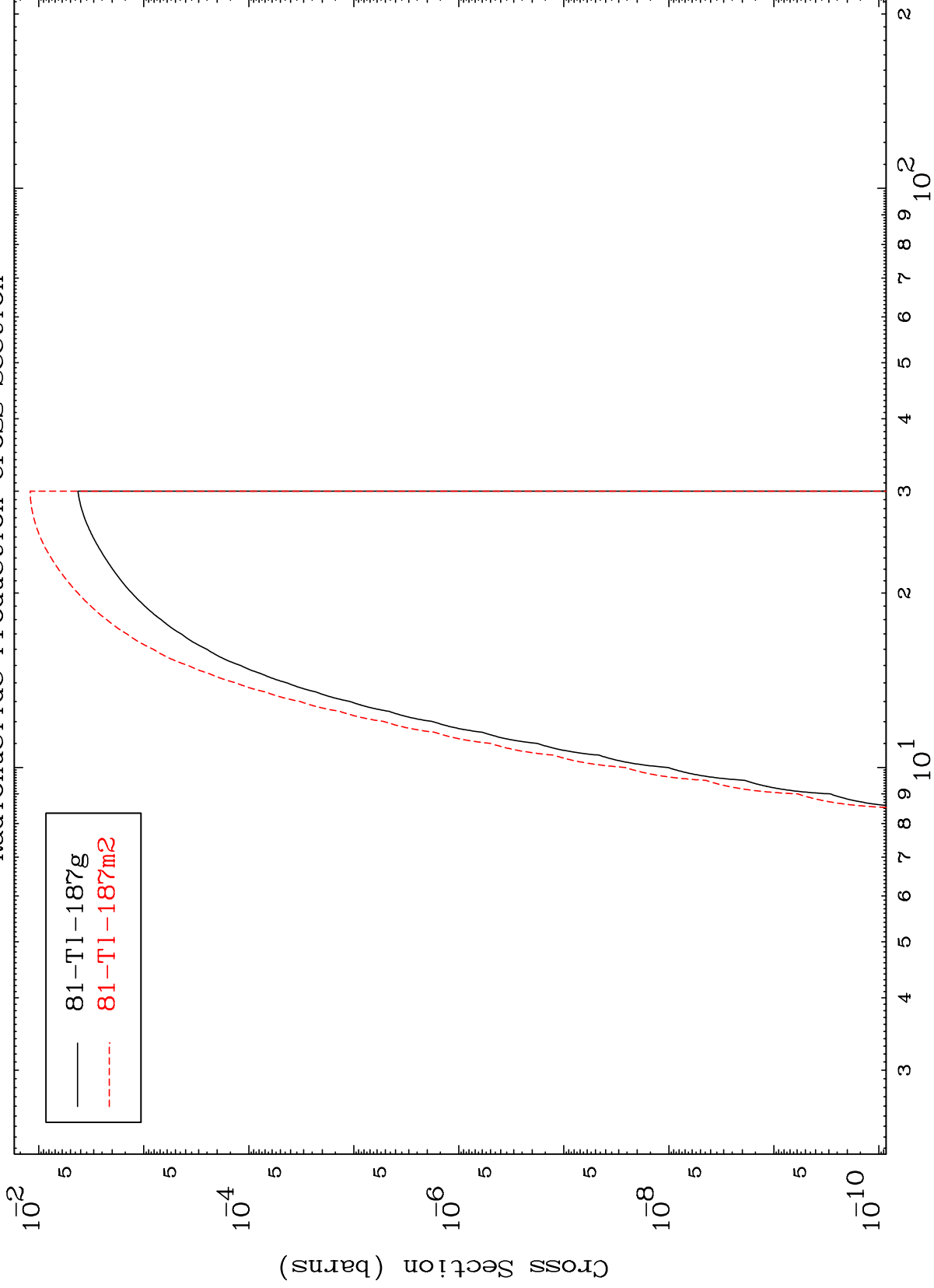
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

Radionuclide Production Cross Section
(n, t)



42

Incident Energy (MeV)

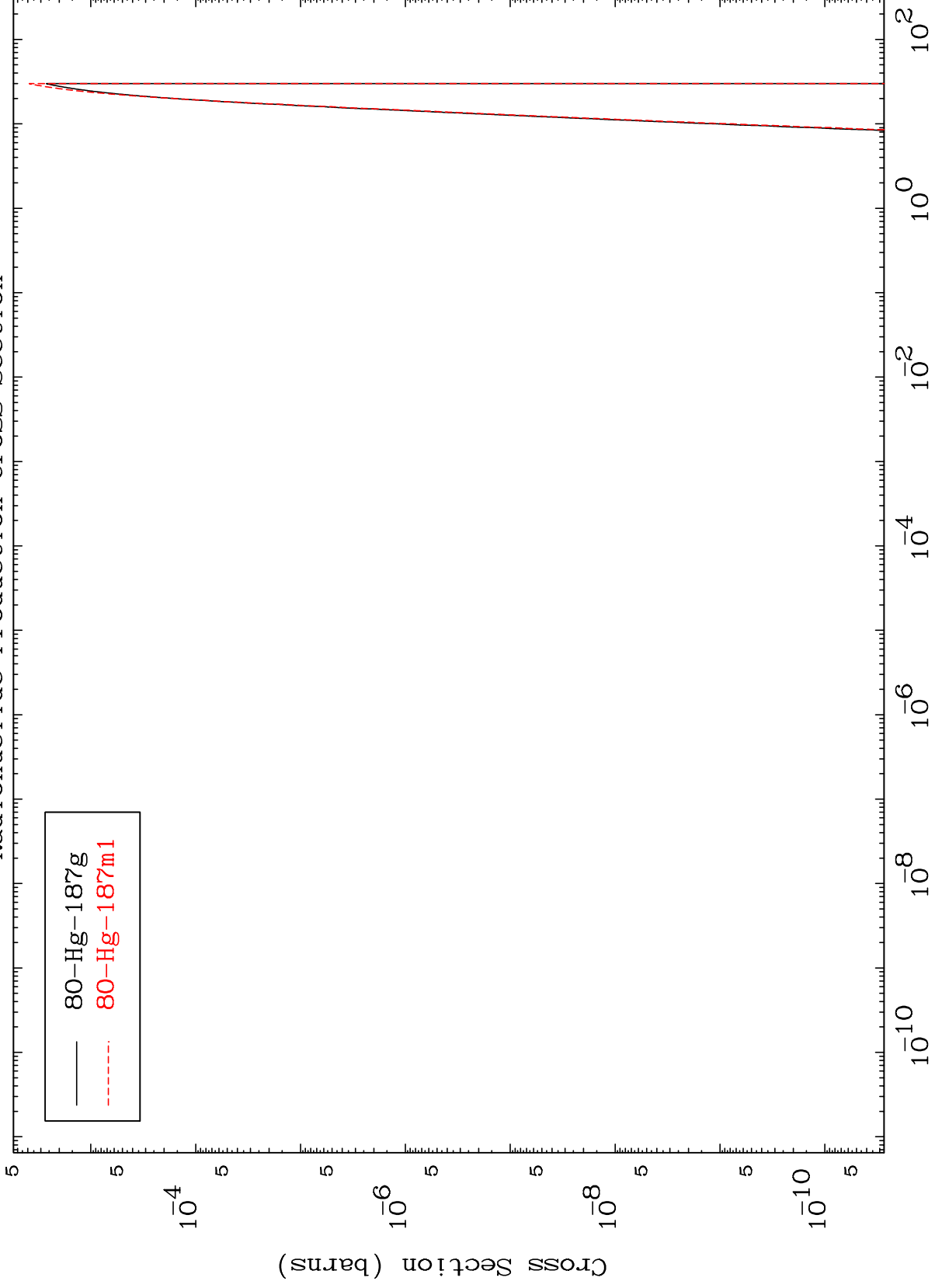
82-Pb-189

MAT 8180

(n,He-3)

82-Pb-189

Radionuclide Production Cross Section



80-Hg-187g
80-Hg-187m1

Incident Energy (MeV)

82-Pb-189

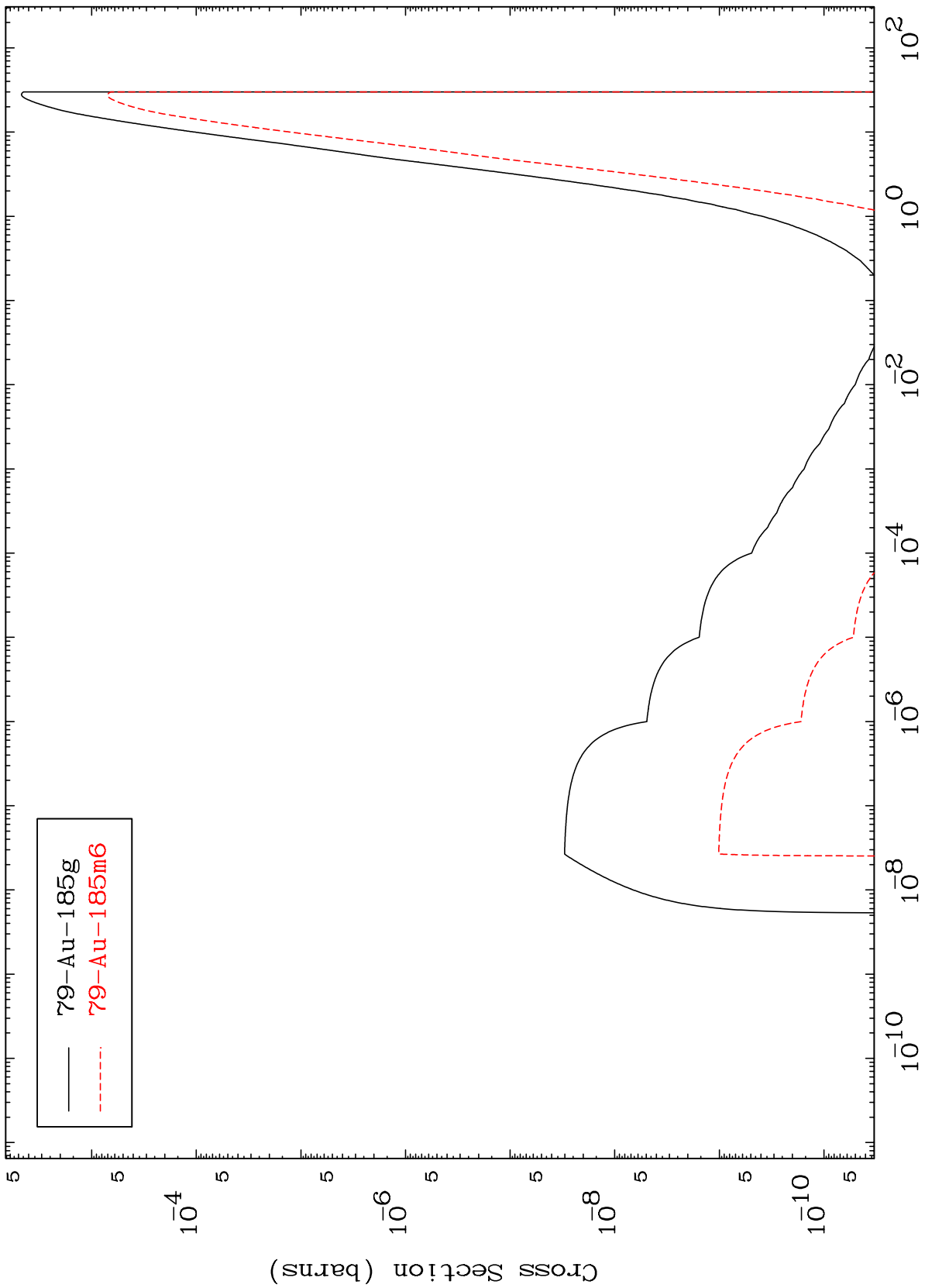
43

MAT 8180

(n,p) α

82-Pb-189

Radionuclide Production Cross Section



79-Au-185g
79-Au-185m6

Incident Energy (MeV)

82-Pb-189

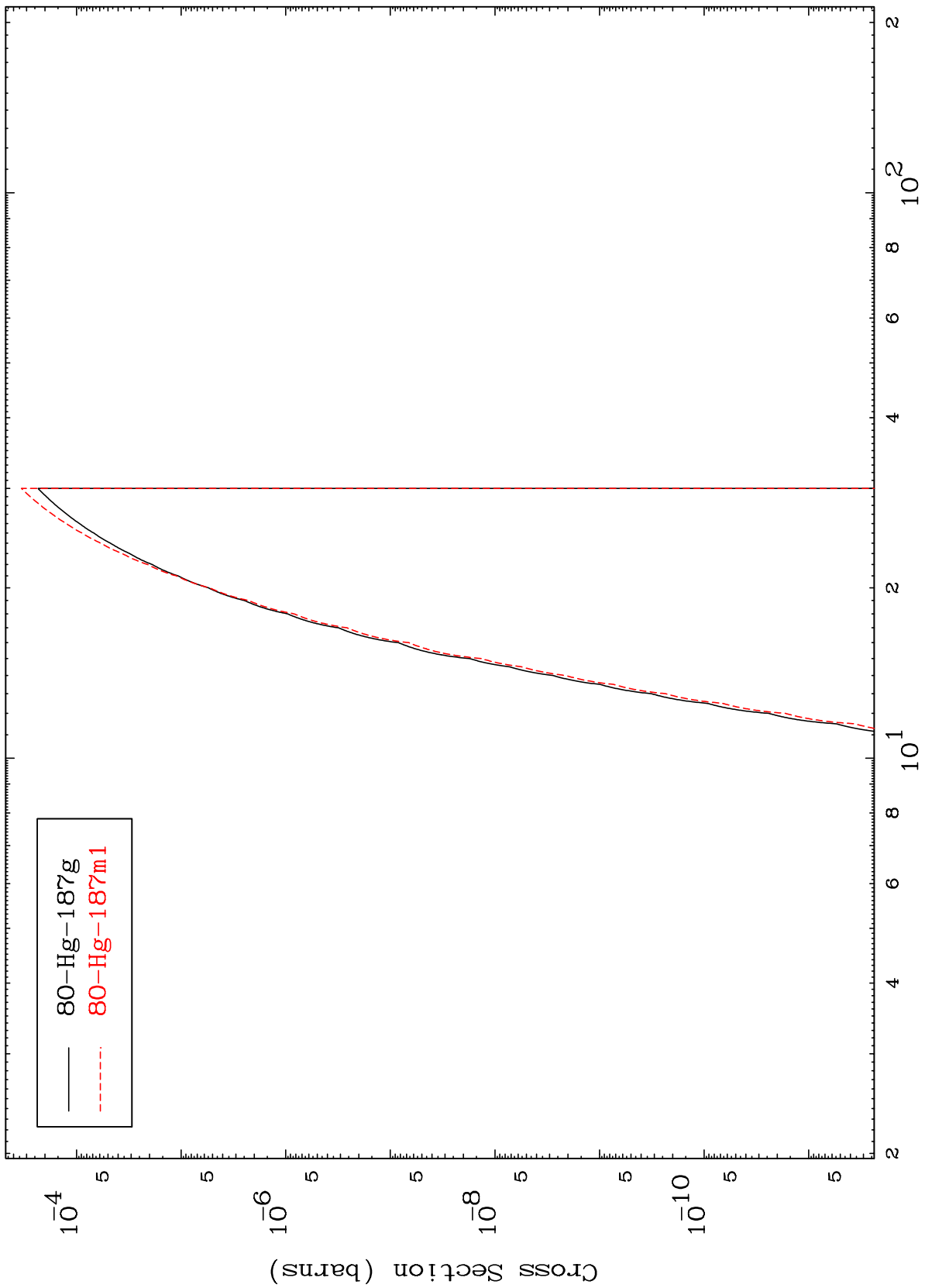
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MAT 8180

(n,p) d

82-Pb-189

Radionuclide Production Cross Section



45

Incident Energy (MeV)

82-Pb-189

MAT 8180

(n,d) α

82-Pb-189

Radionuclide Production Cross Section

