

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

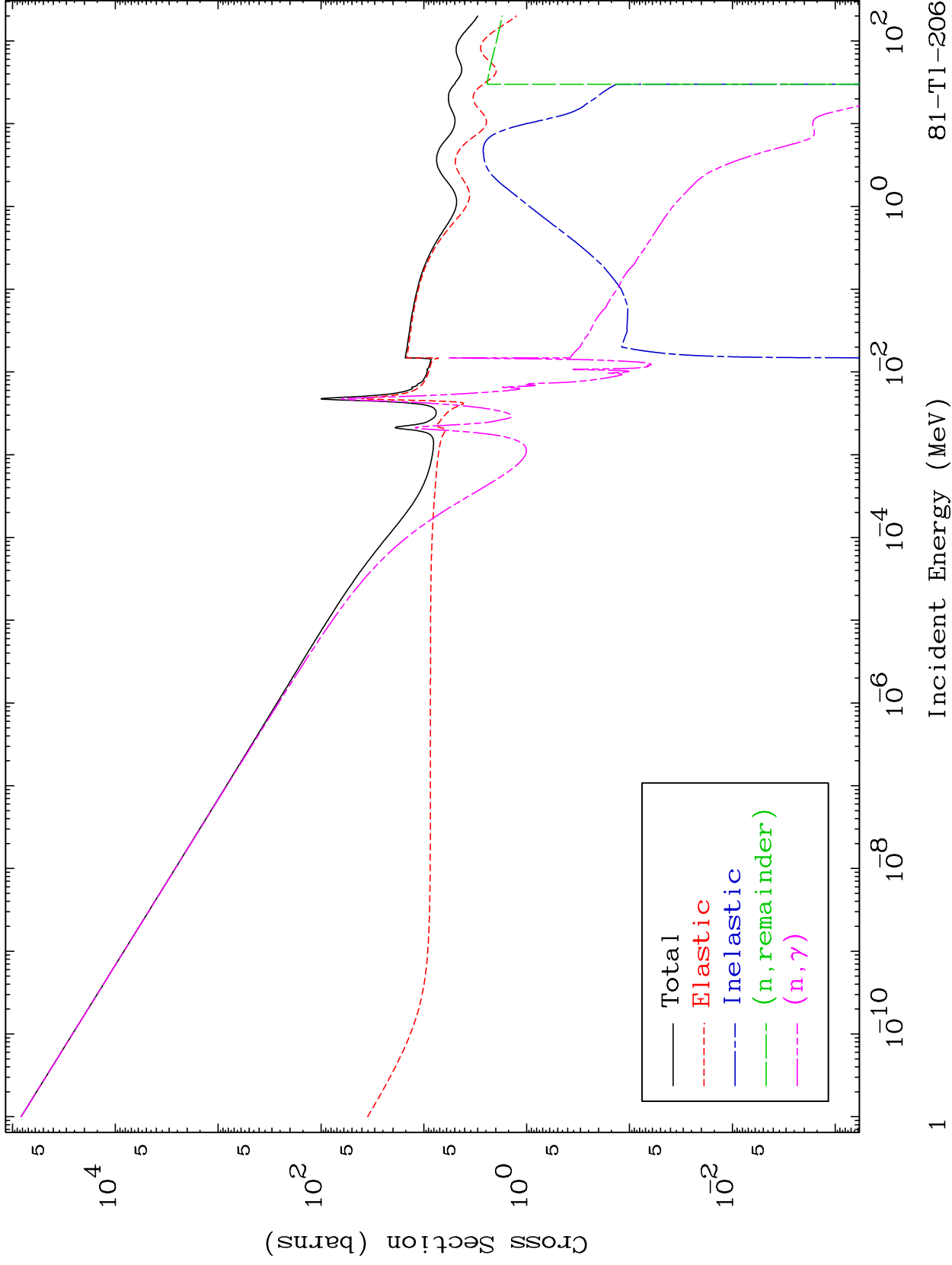
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8135

Major  
293 Kelvin Cross Sections

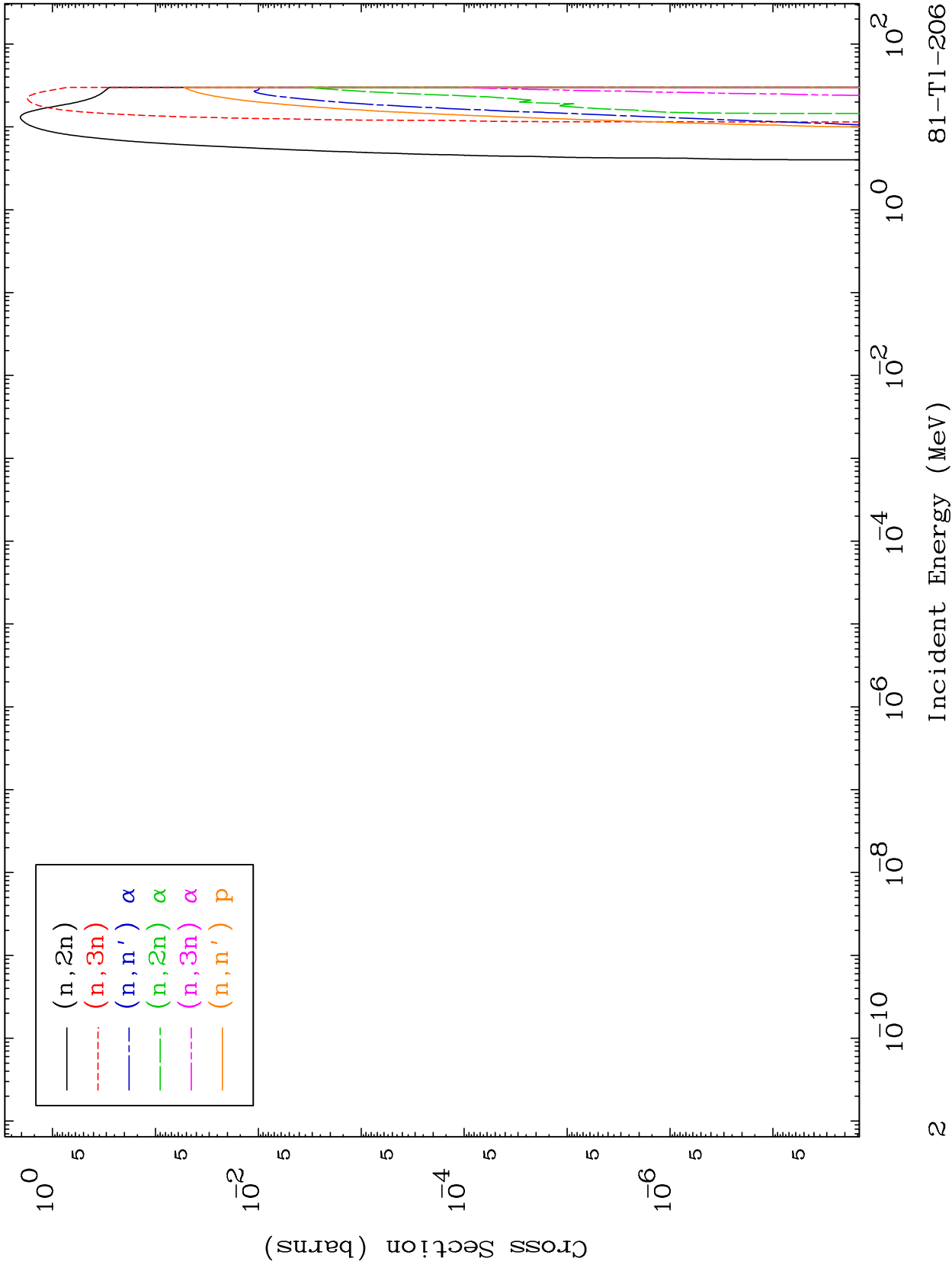
81-Tl-206

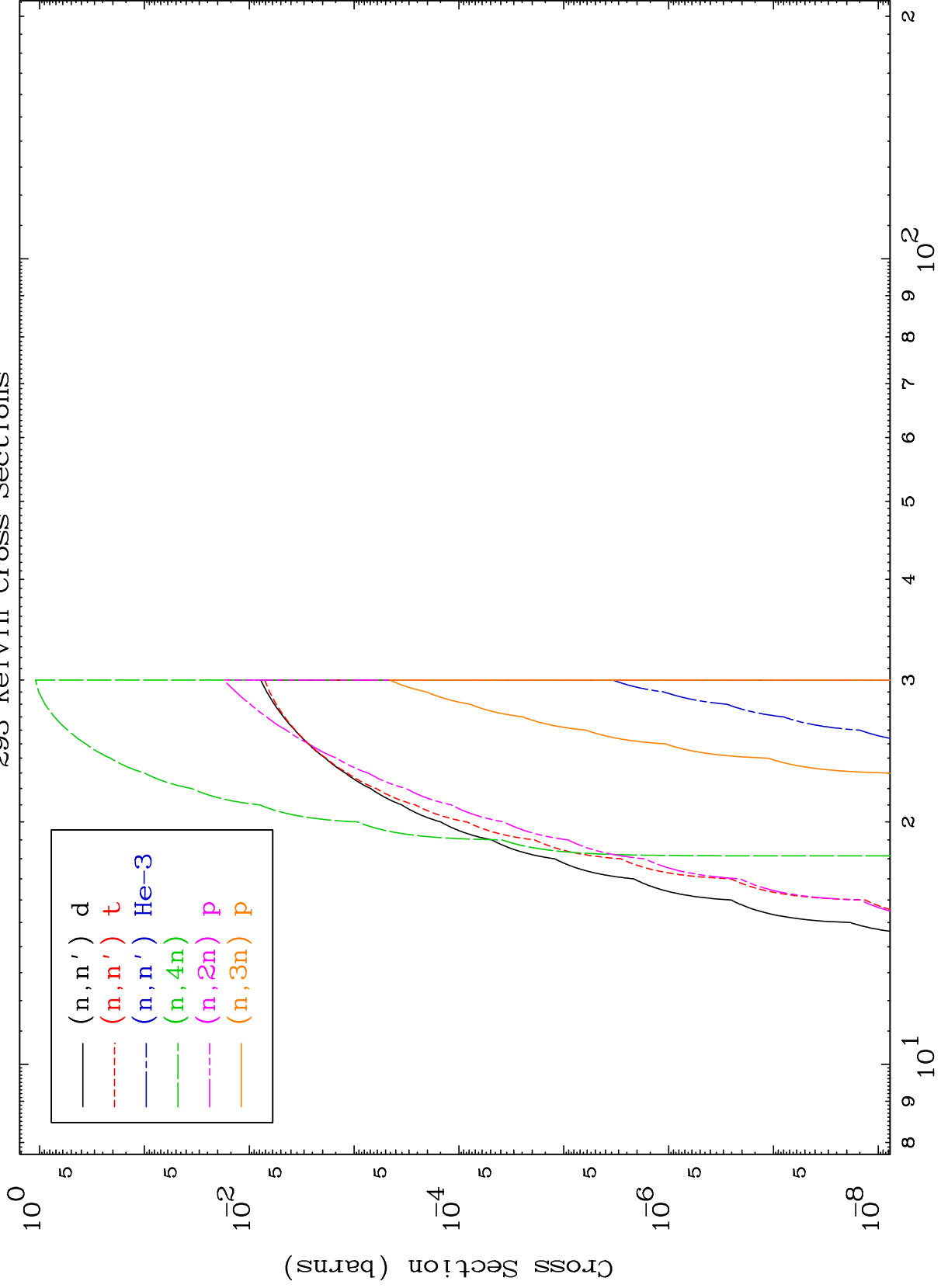


MAT 8135

Neutron Production  
293 Kelvin Cross Sections

81-Tl-206

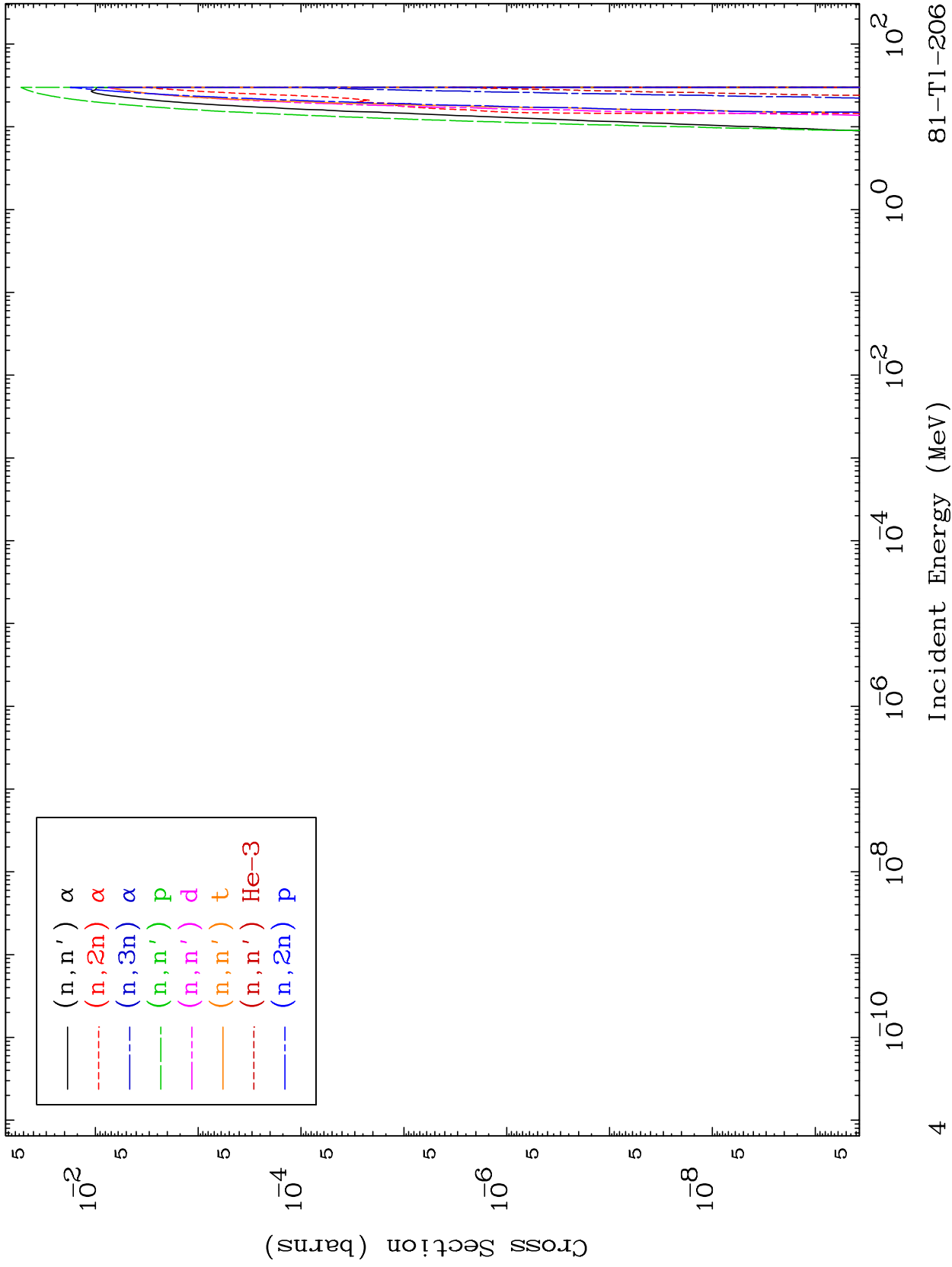




MAT 8135

Charged Particle  
293 Kelvin Cross Sections

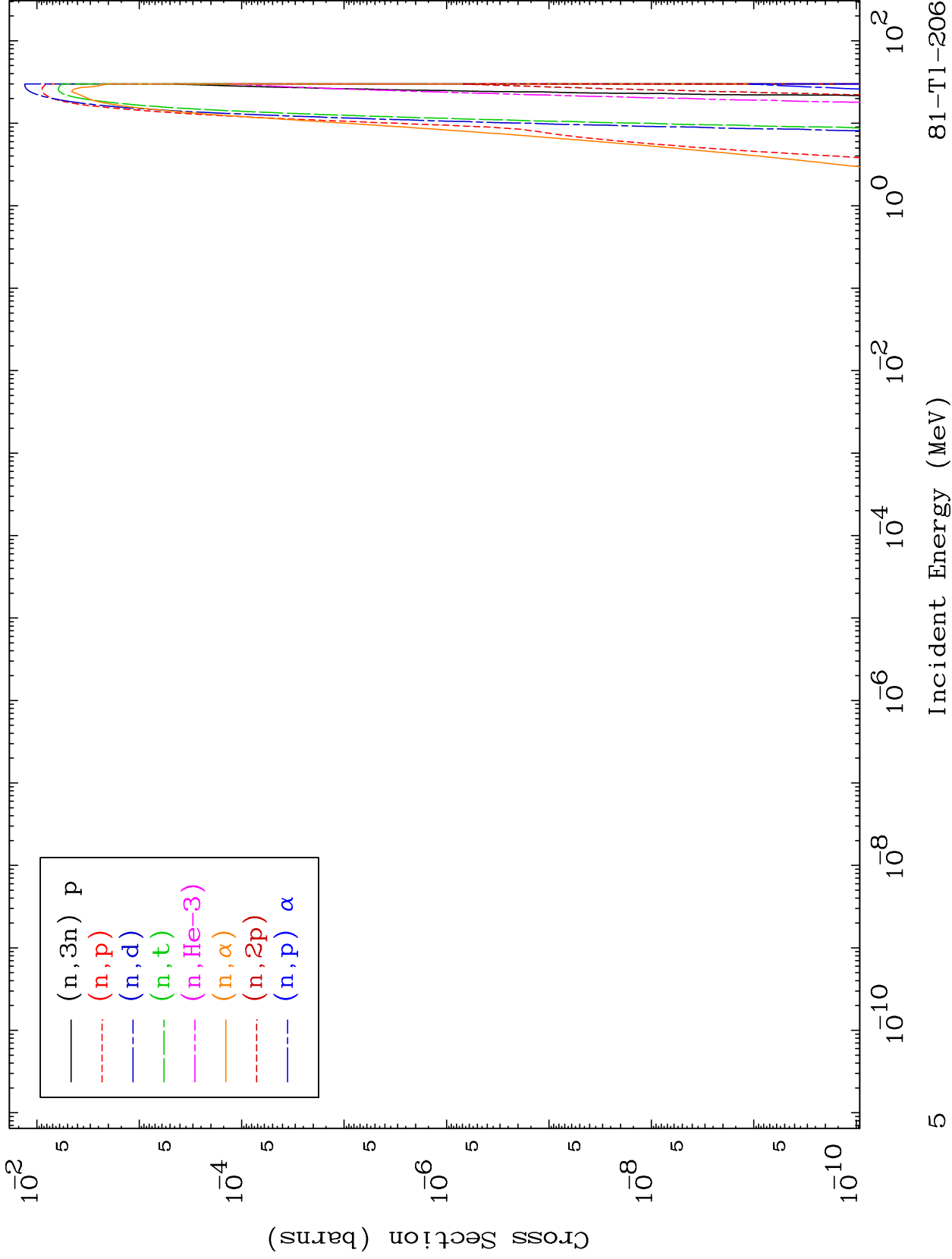
81-Tl-206

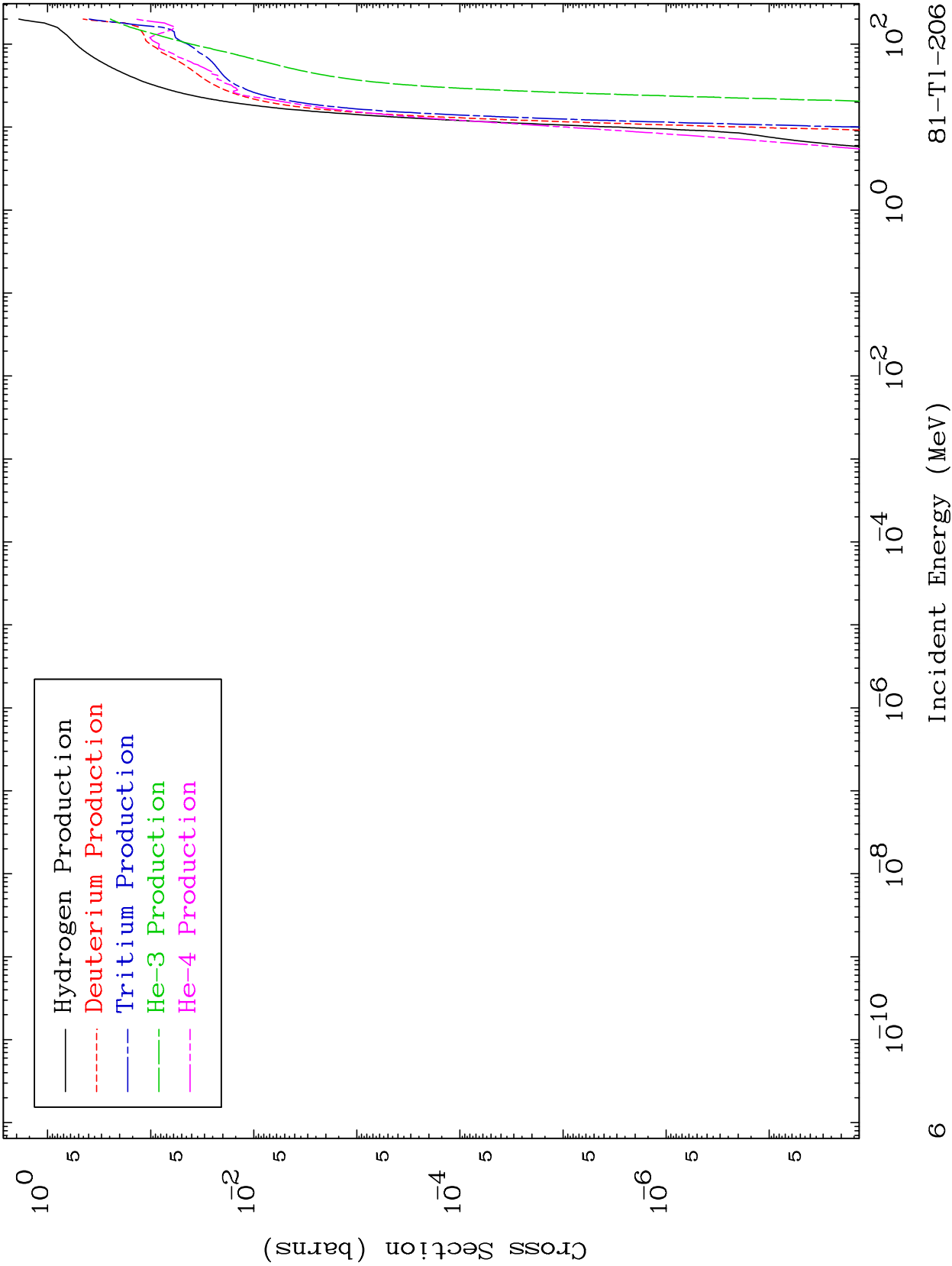


MAT 8135

Charged Particle  
293 Kelvin Cross Sections

81-Tl-206

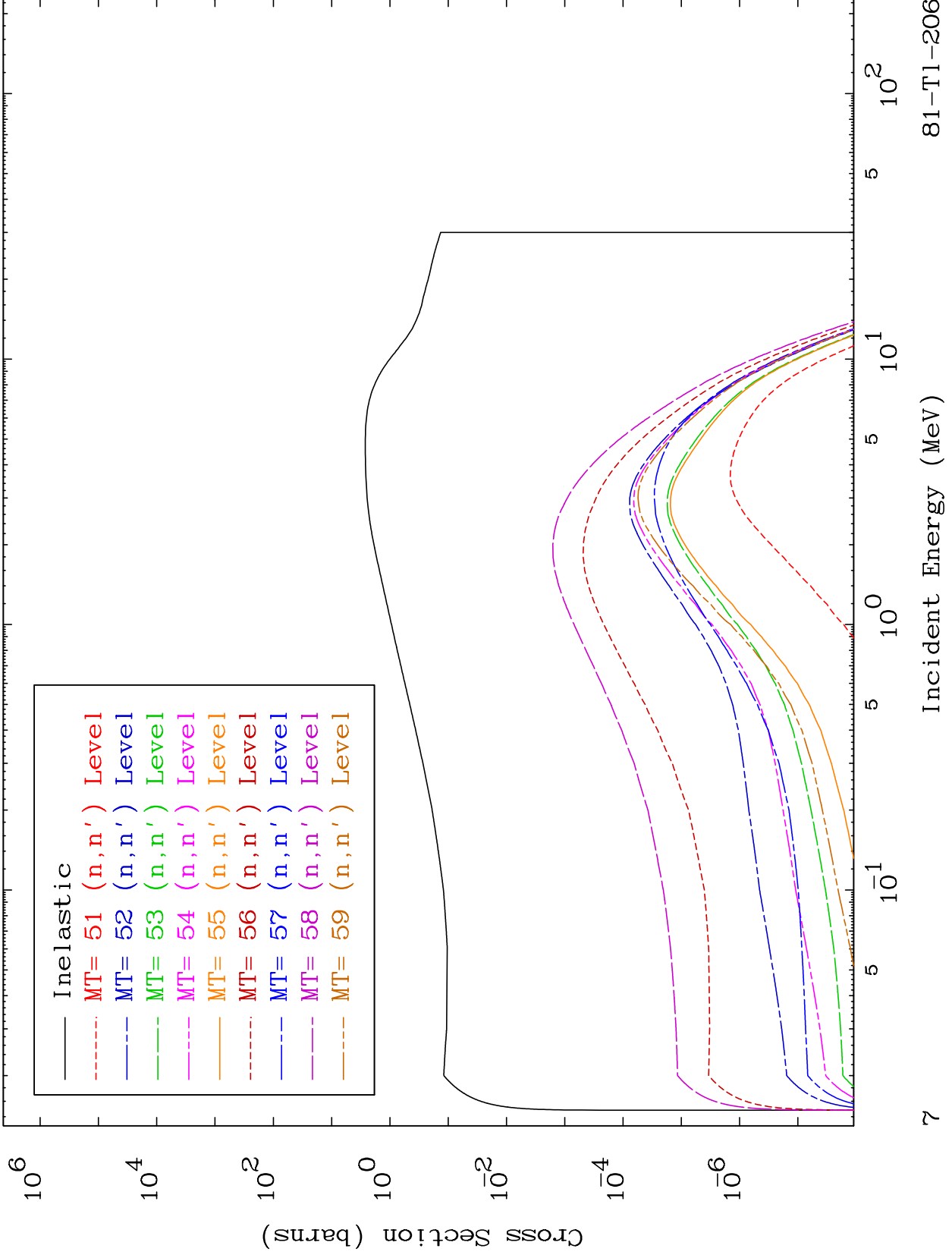




MAT 8135

(n,n') Level  
293 Kelvin Cross Sections

81-Tl-206



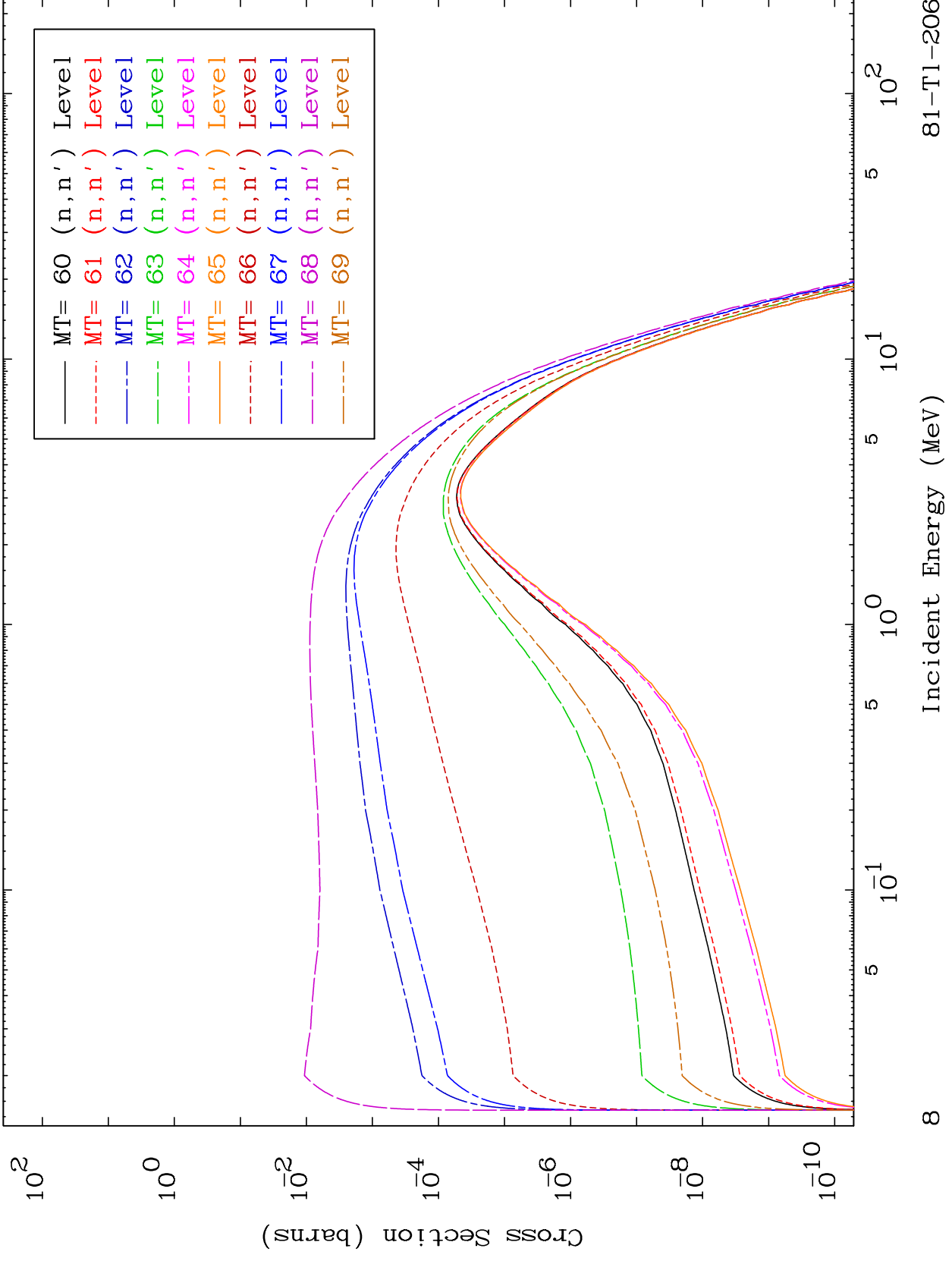


MAT 8135

(n,n') Level

293 Kelvin Cross Sections

81-Tl-206

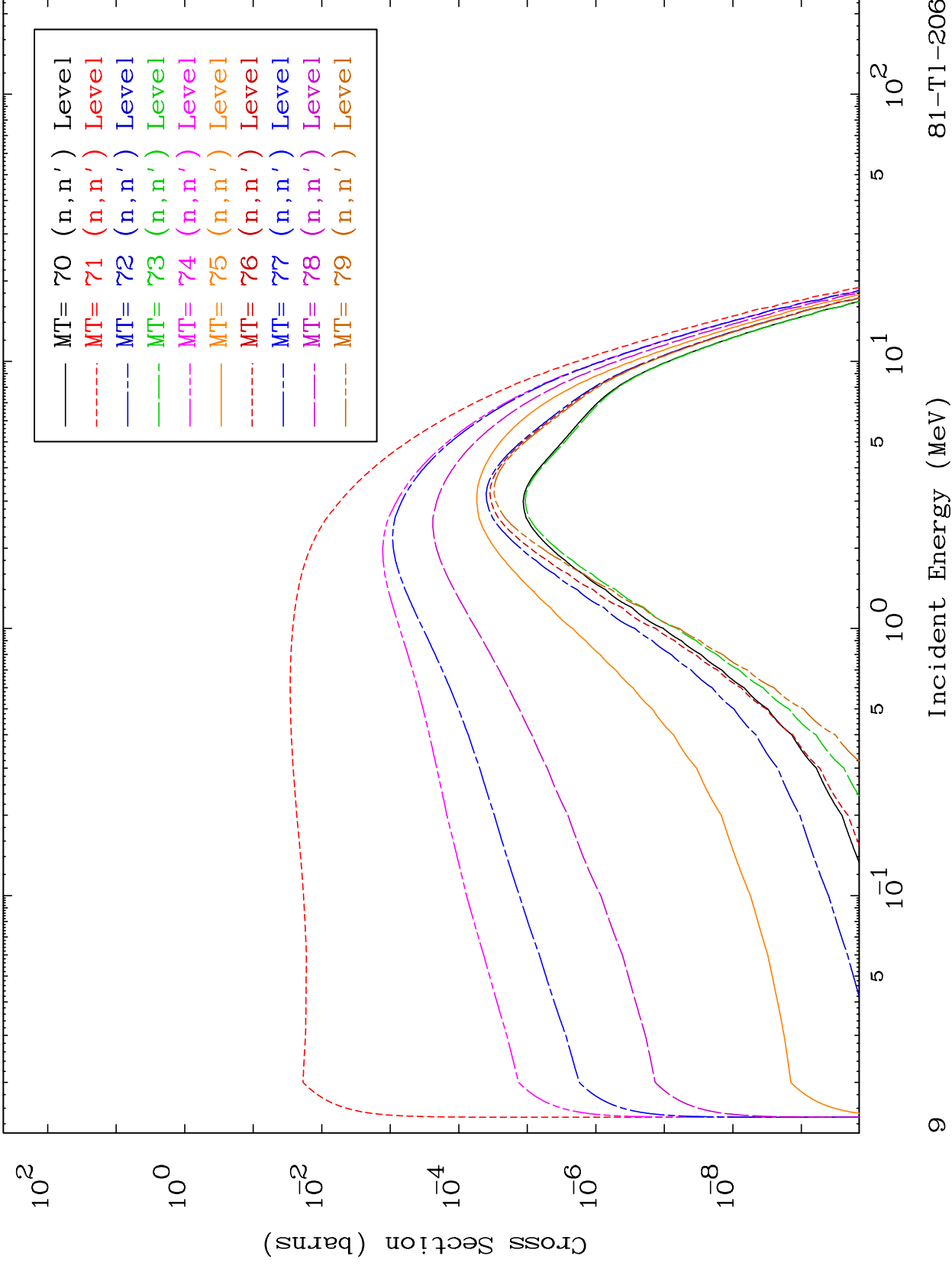


8

Incident Energy (MeV)

81-Tl-206

293 Kelvin Cross Sections

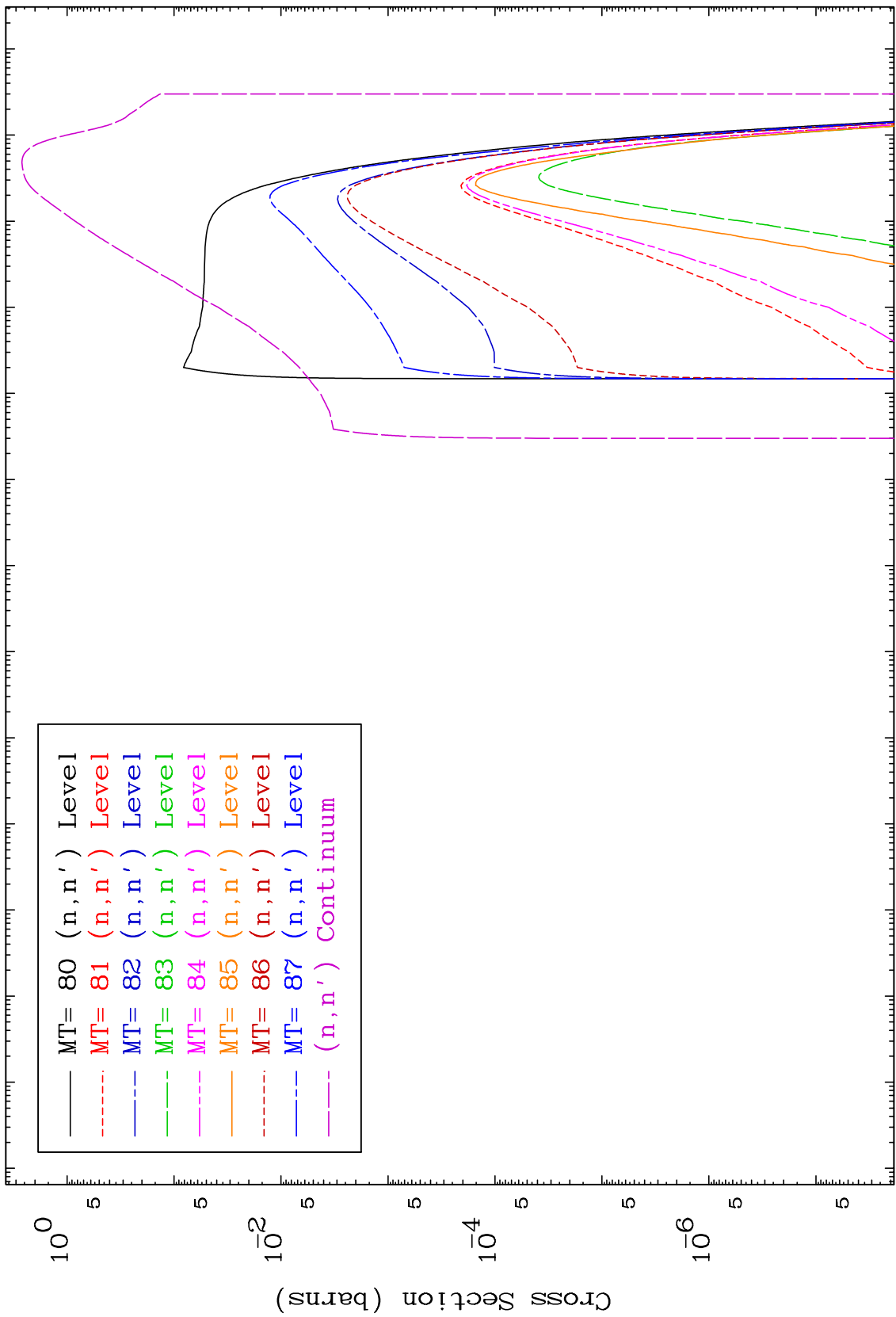


MAT 8135

(n,n') Level

81-Tl-206

293 Kelvin Cross Sections



—	MT= 80	(n, n')	Level
- - -	MT= 81	(n, n')	Level
- · -	MT= 82	(n, n')	Level
- - -	MT= 83	(n, n')	Level
- · -	MT= 84	(n, n')	Level
—	MT= 85	(n, n')	Level
- - -	MT= 86	(n, n')	Level
- · -	MT= 87	(n, n')	Level
- - -	(n, n')	Continuum	

10

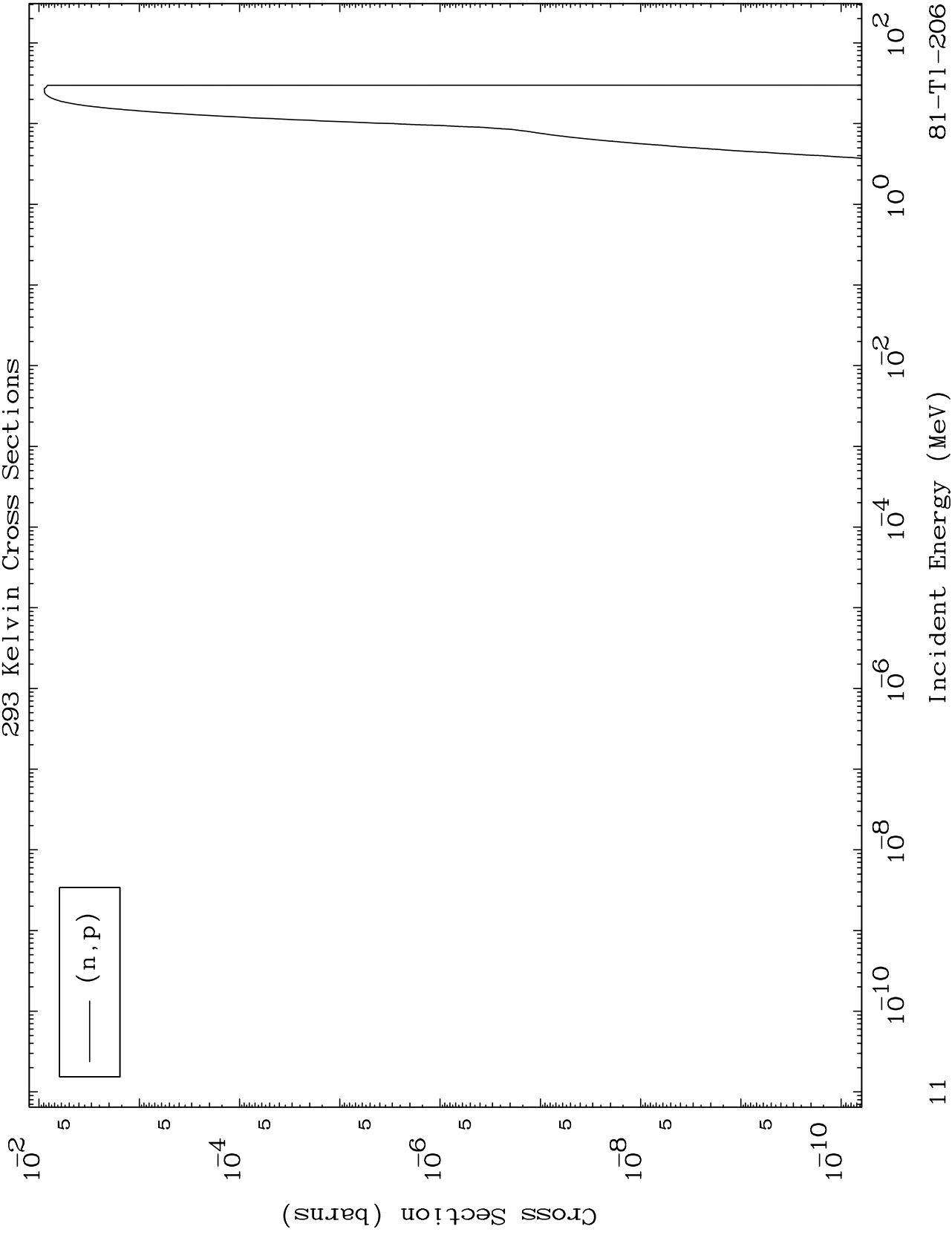
Incident Energy (MeV)

81-Tl-206

MAT 8135

(n,p) Levels  
293 Kelvin Cross Sections

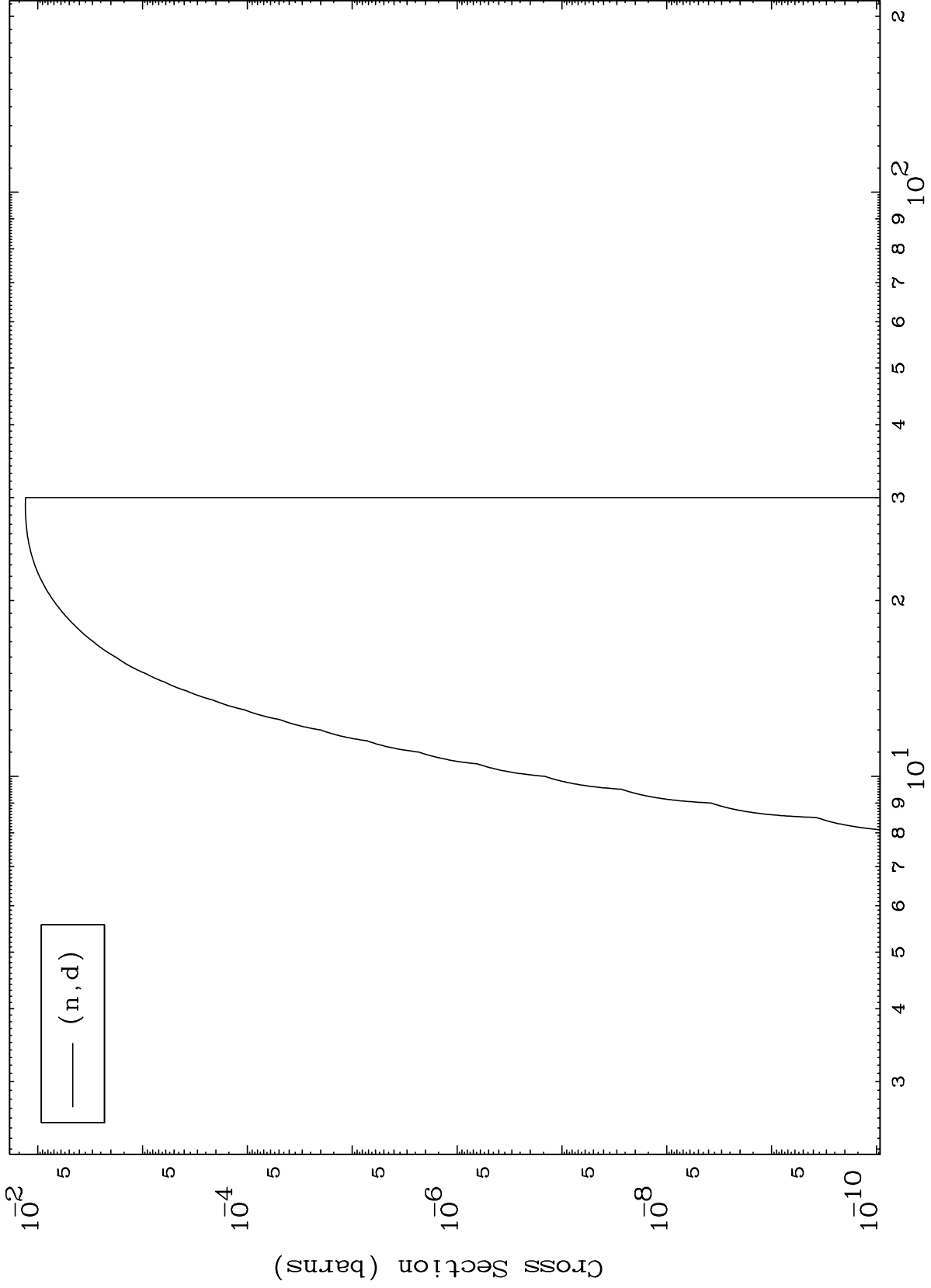
81-Tl-206



MAT 8135

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-206



12

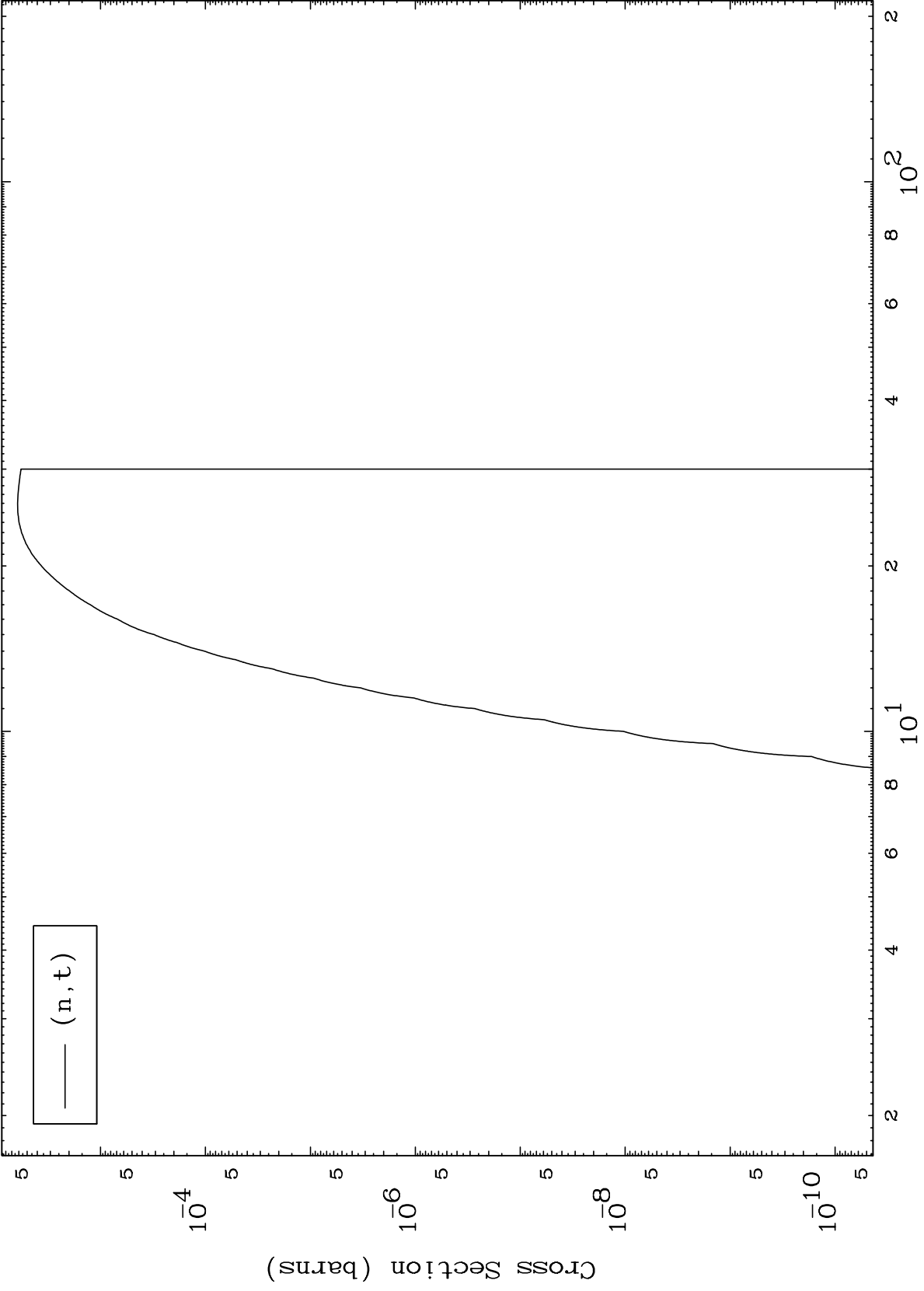
Incident Energy (MeV)

81-Tl-206

MAT 8135

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-206



13

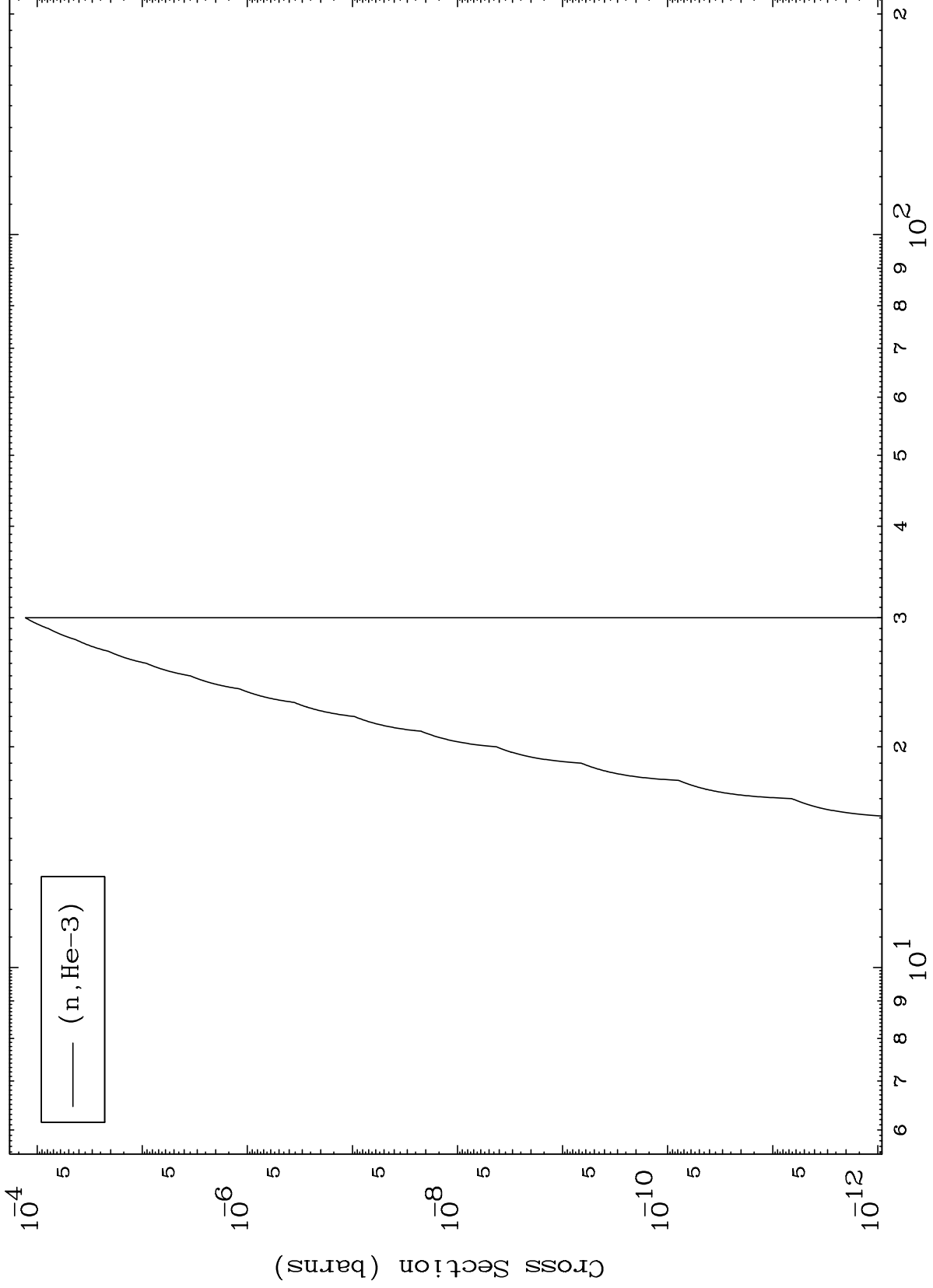
Incident Energy (MeV)

81-Tl-206

MAT 8135

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-206



14

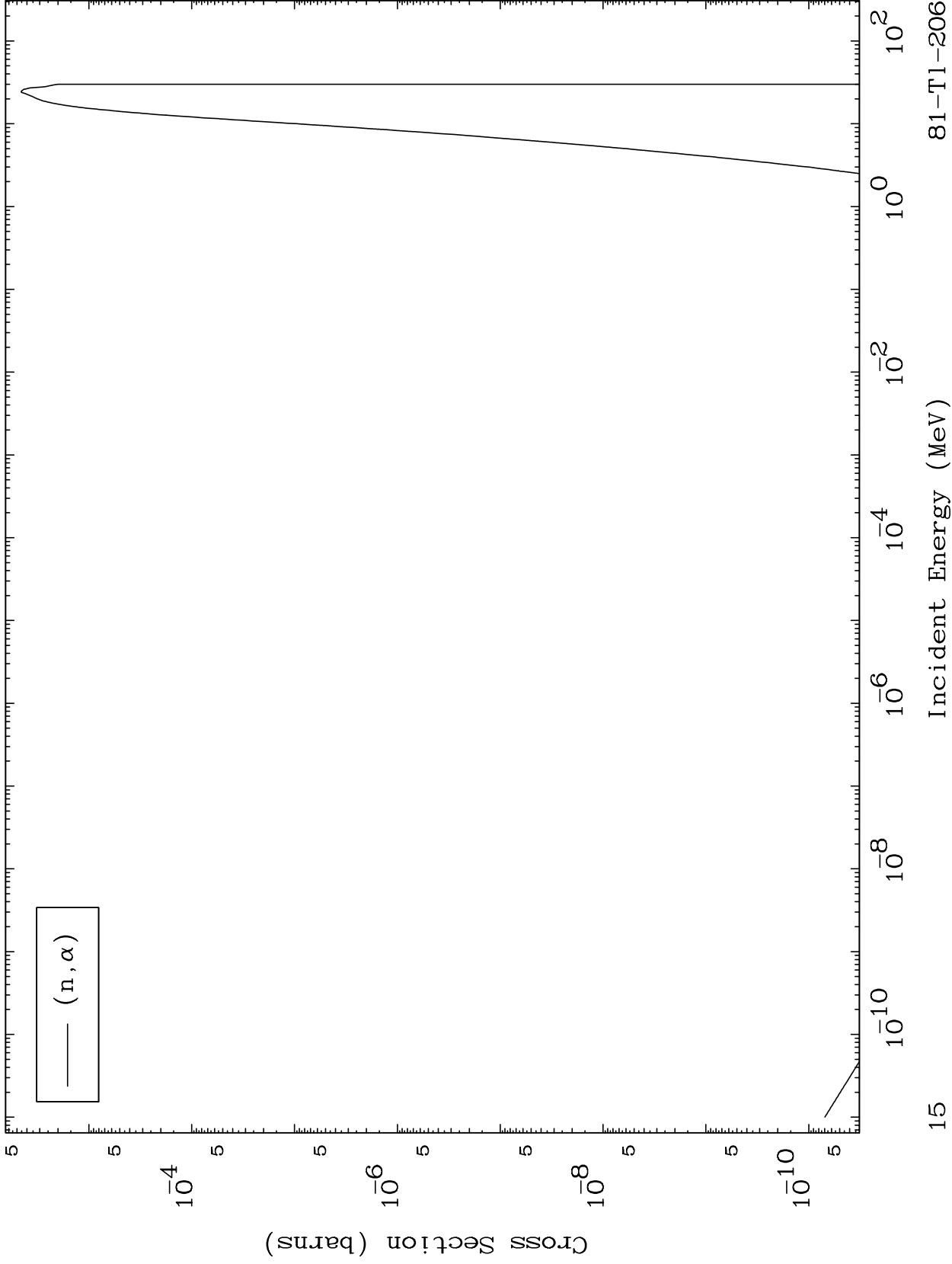
Incident Energy (MeV)

81-T1-206

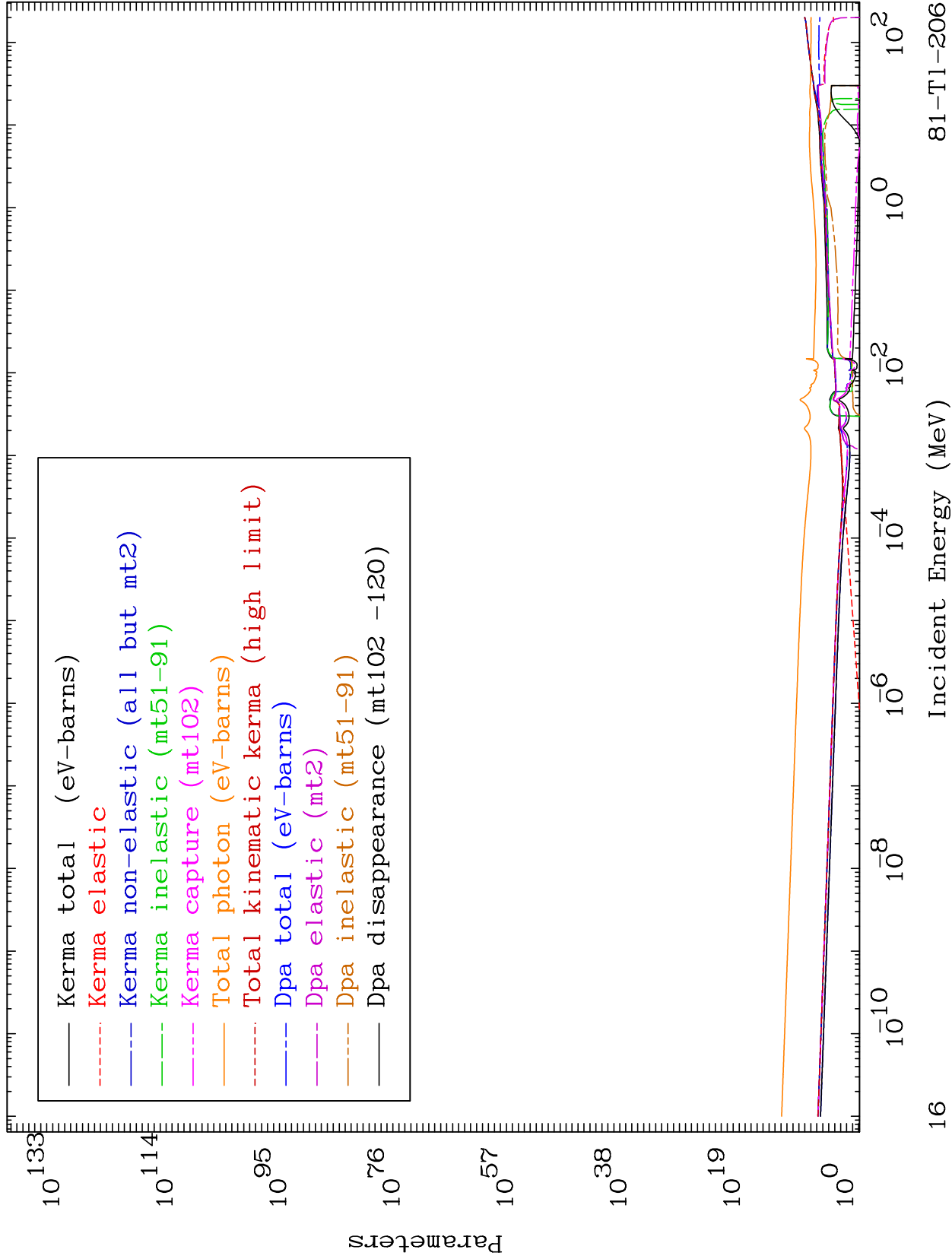
MAT 8135

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

81-Tl-206



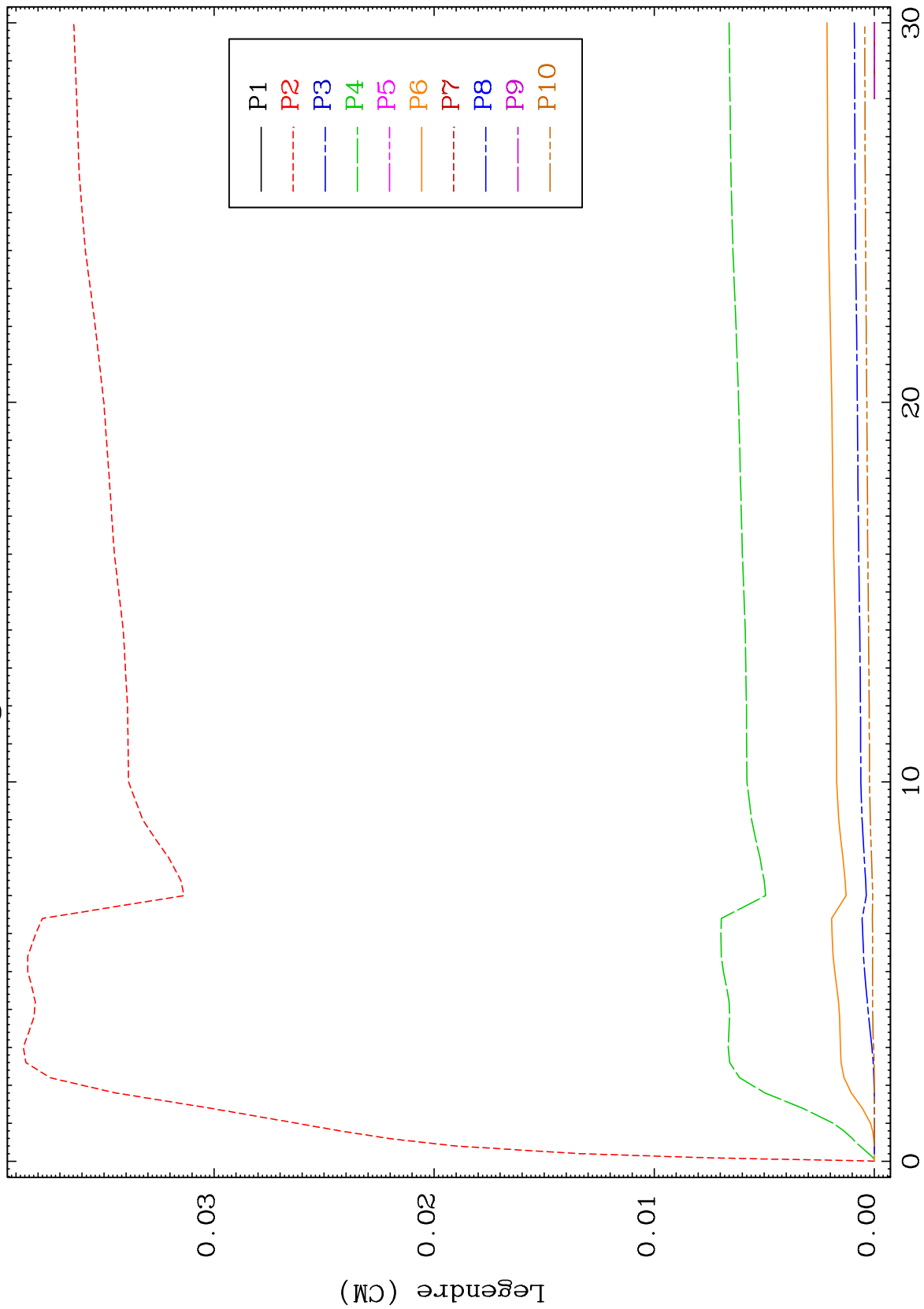




MAT 8135

Elastic Legendre Coefficients

81-T1-206



17

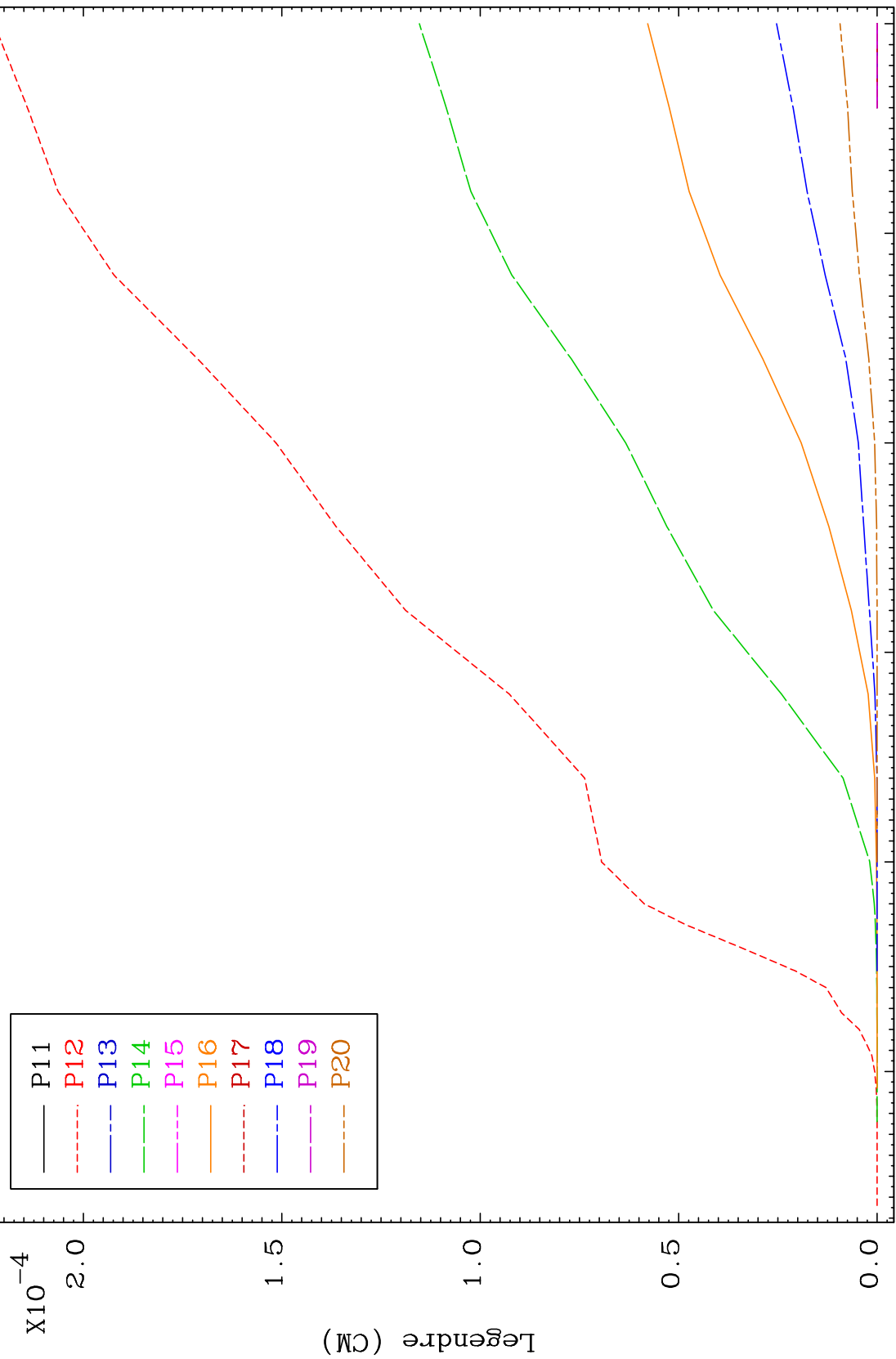
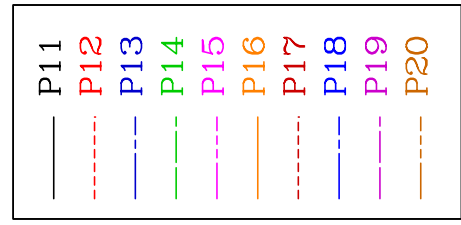
Incident Energy (MeV)

81-T1-206

MAT 8135

Elastic Legendre Coefficients

81-T1-206



18

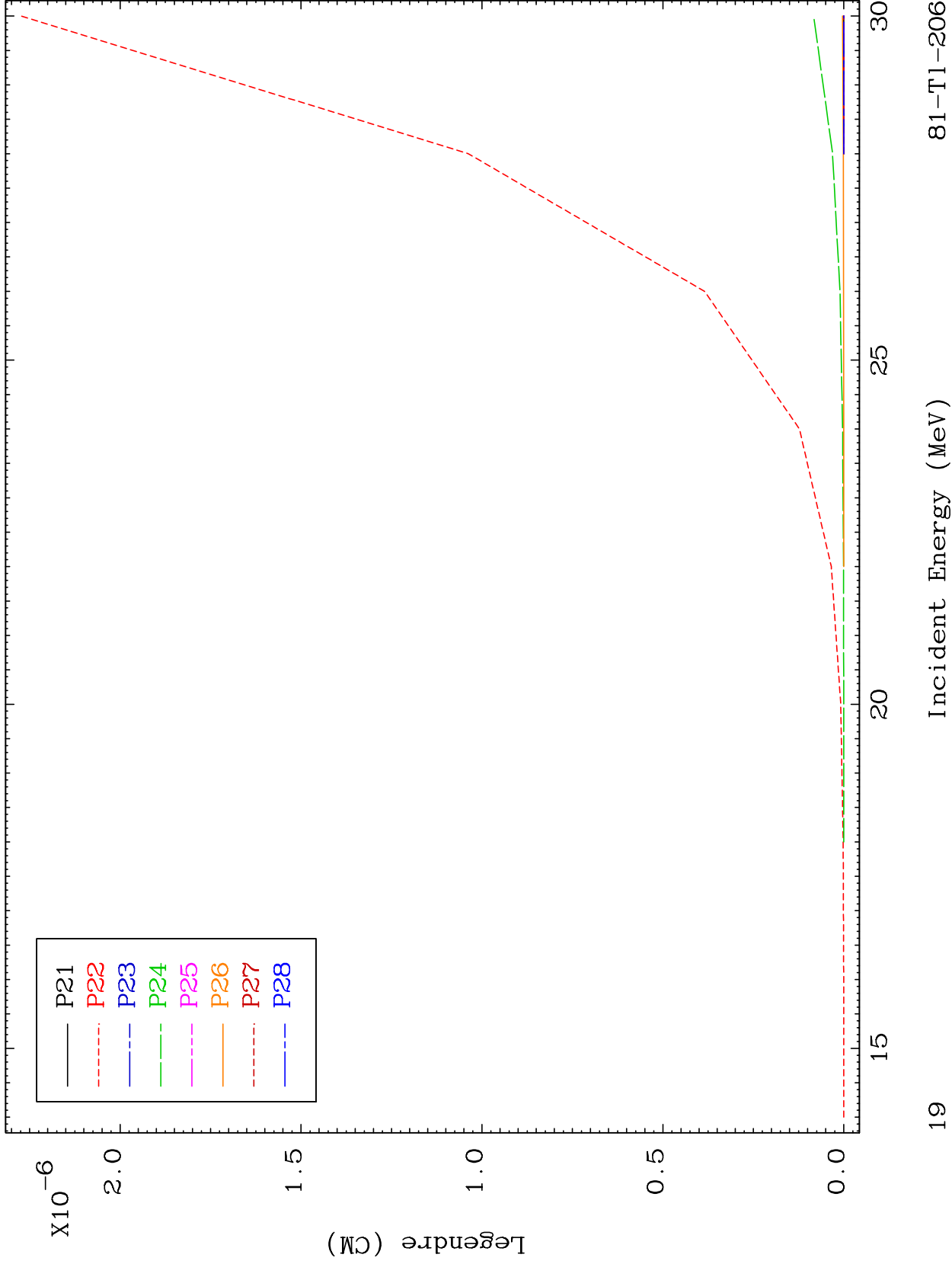
Incident Energy (MeV)

81-T1-206

MAT 8135

### Elastic Legendre Coefficients

81-T1-206



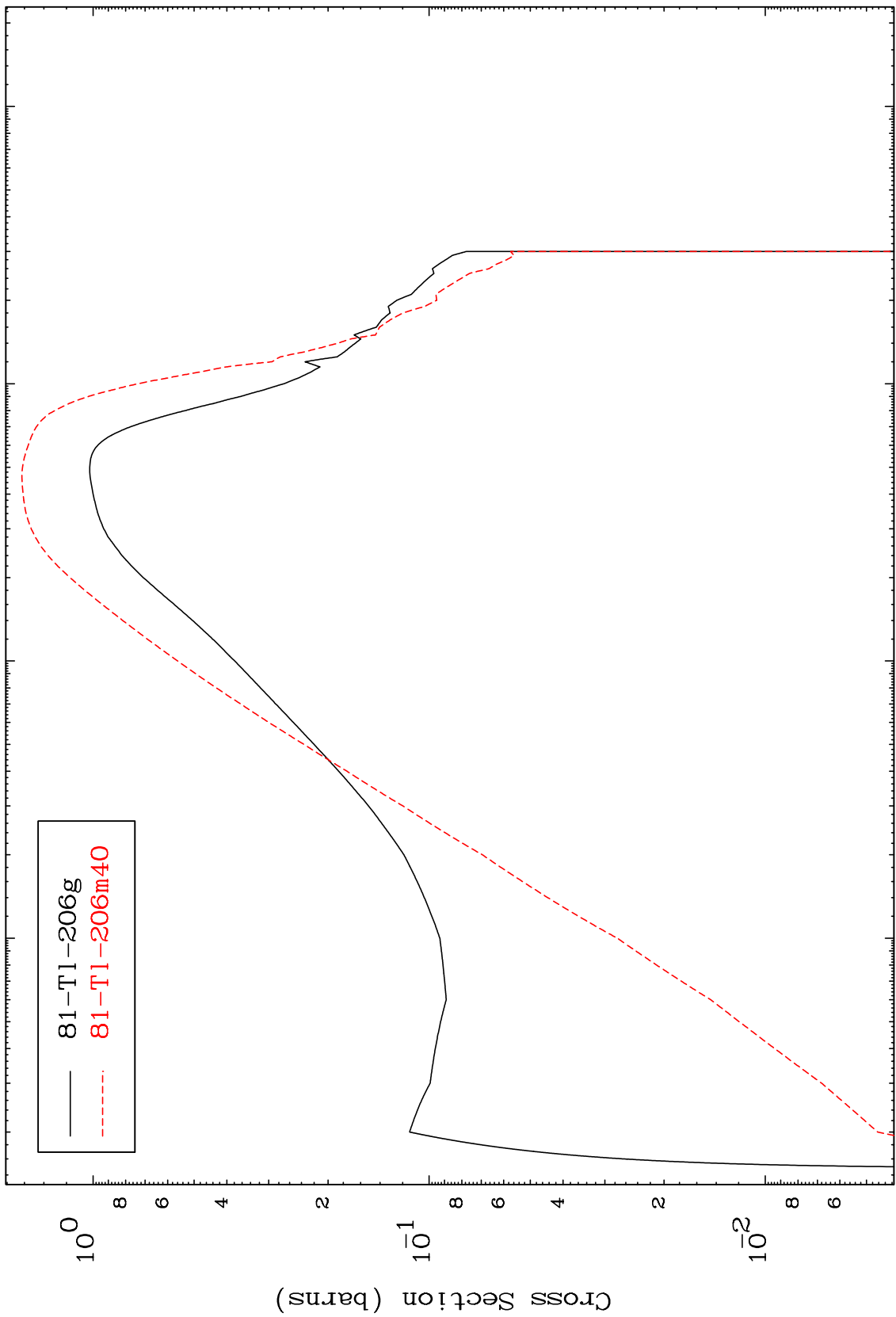
19

81-T1-206

MAT 8135

81-Tl-206

Inelastic  
Radionuclide Production Cross Section



81-Tl-206g  
81-Tl-206m40

81-Tl-206

Incident Energy (MeV)

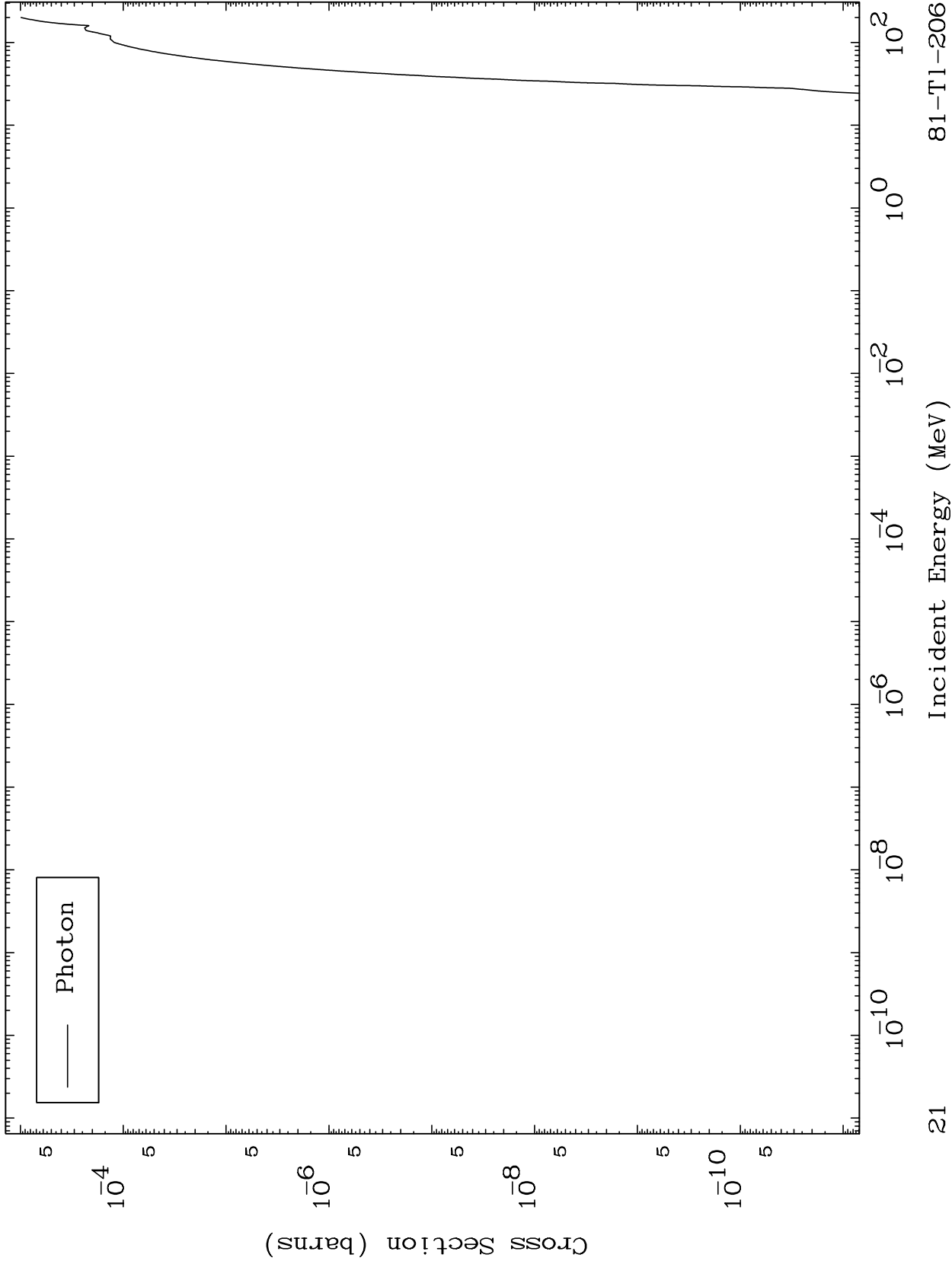
20

MAT 8135

Fission

81-Tl-206

Radionuclide Production Cross Section

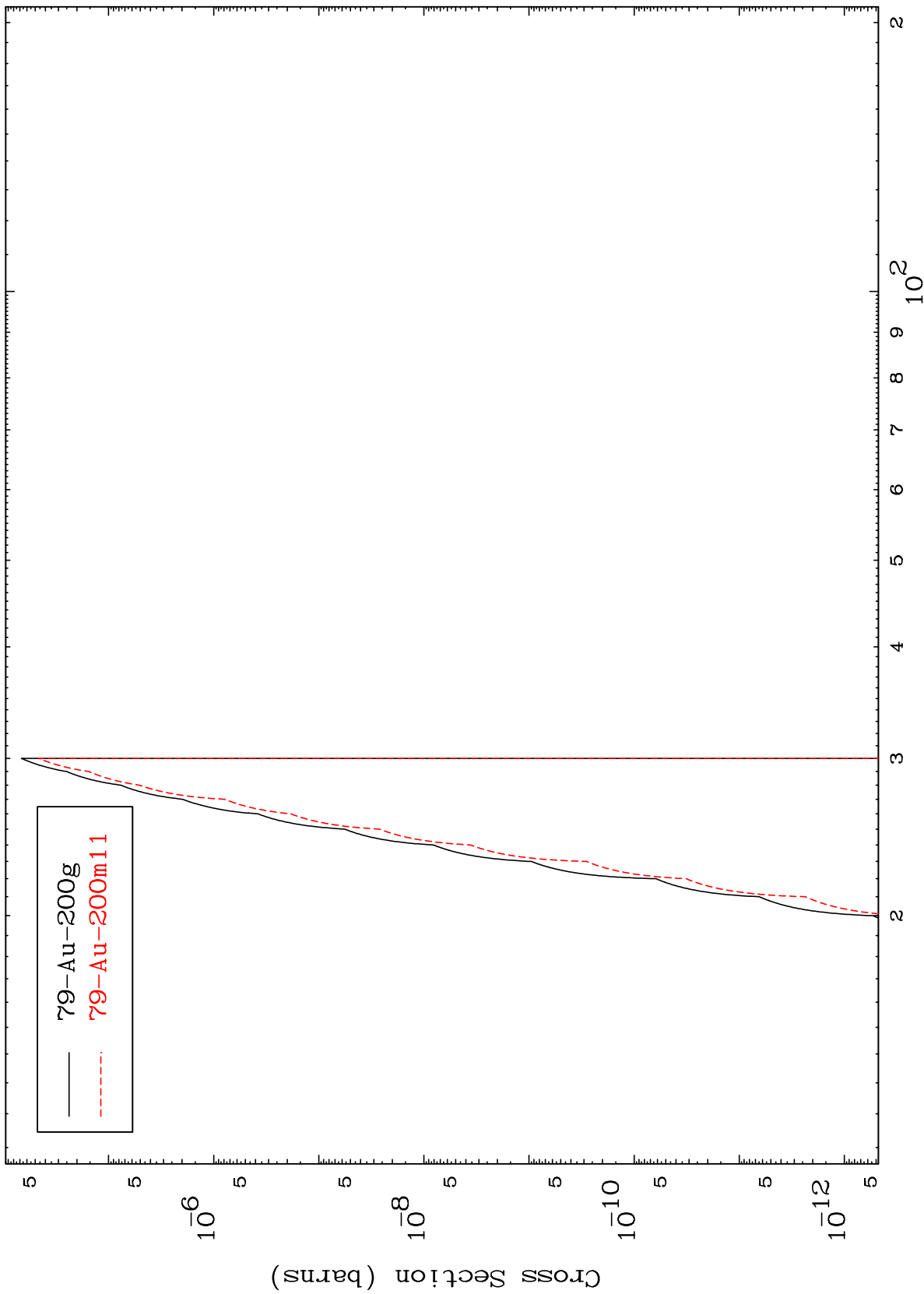


MAT 8135

(n,3n)  $\alpha$

81-Tl-206

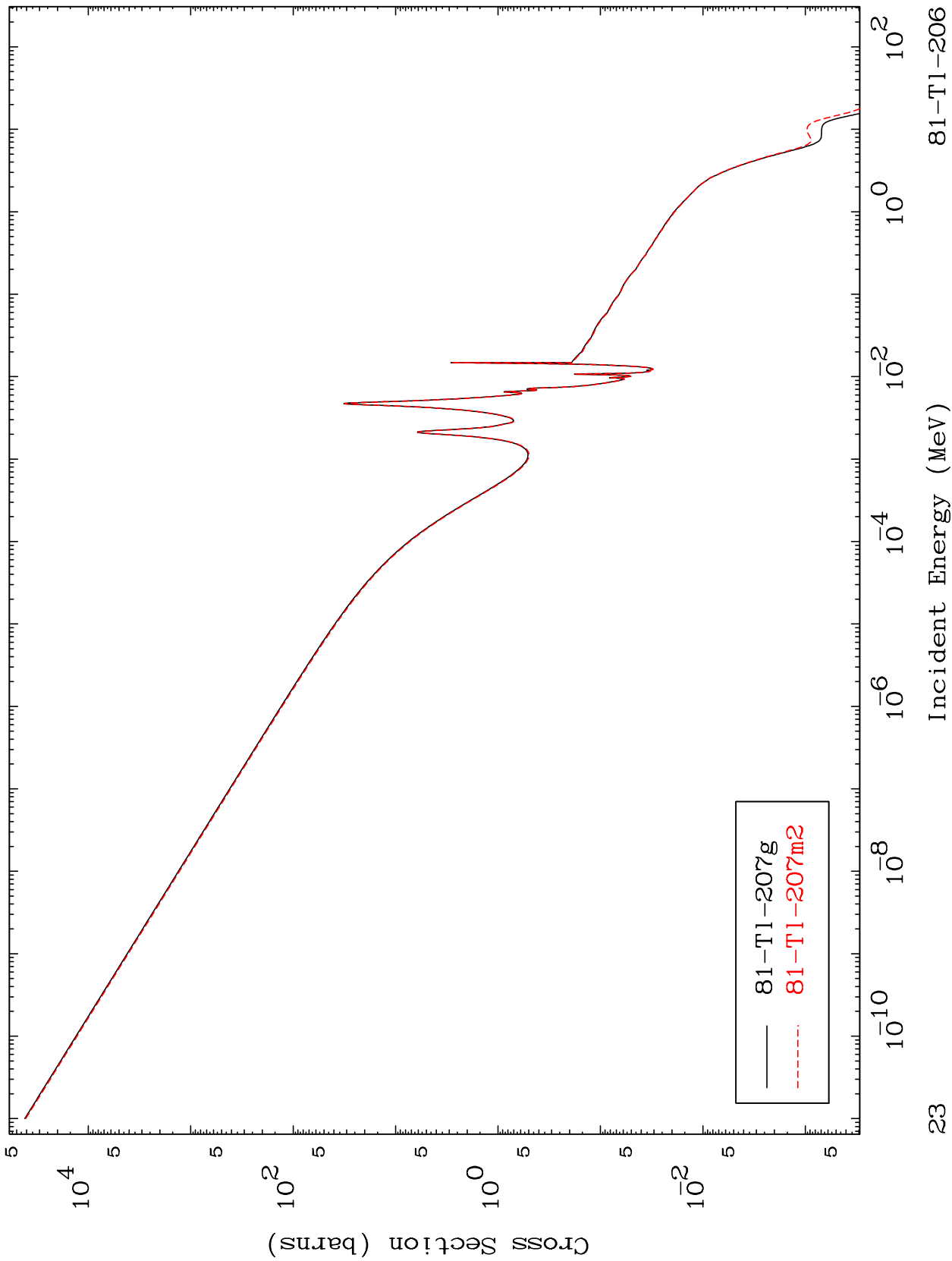
Radionuclide Production Cross Section



MAT 8135

81-Tl-206

$(n, \gamma)$   
Radionuclide Production Cross Section



23

81-Tl-206