

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

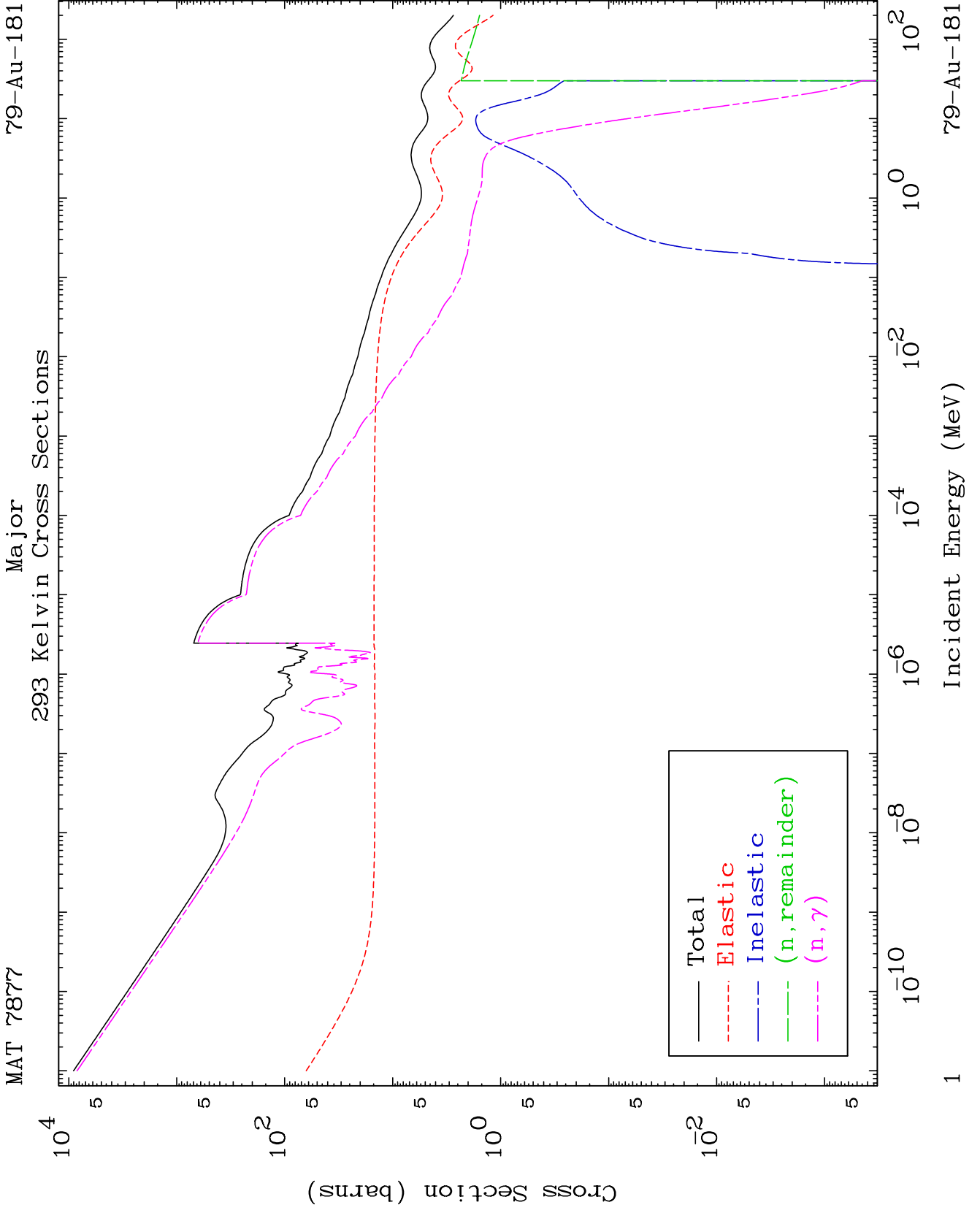
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

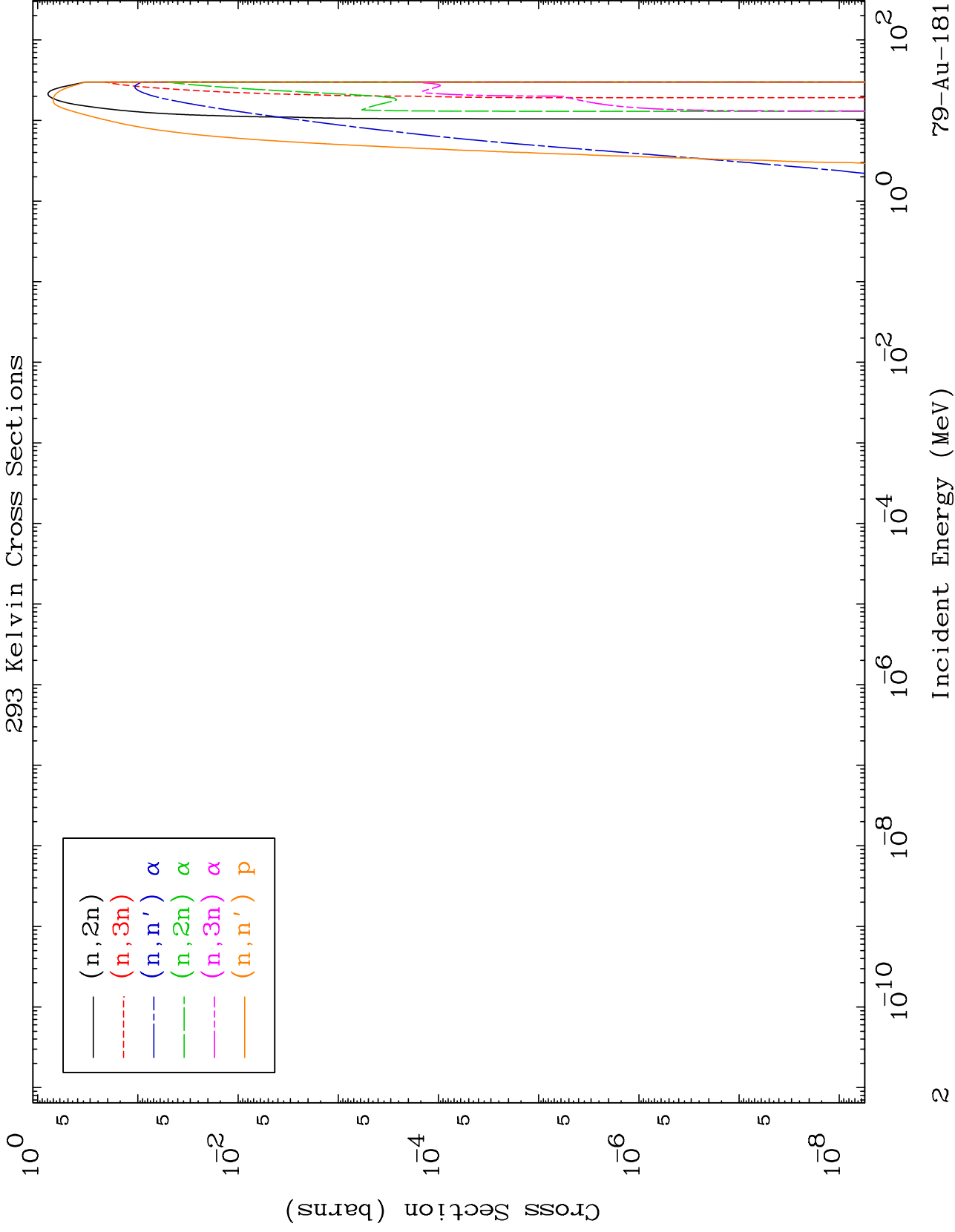
Press Mouse Button to Start



MAT 7877

Neutron Production  
293 Kelvin Cross Sections

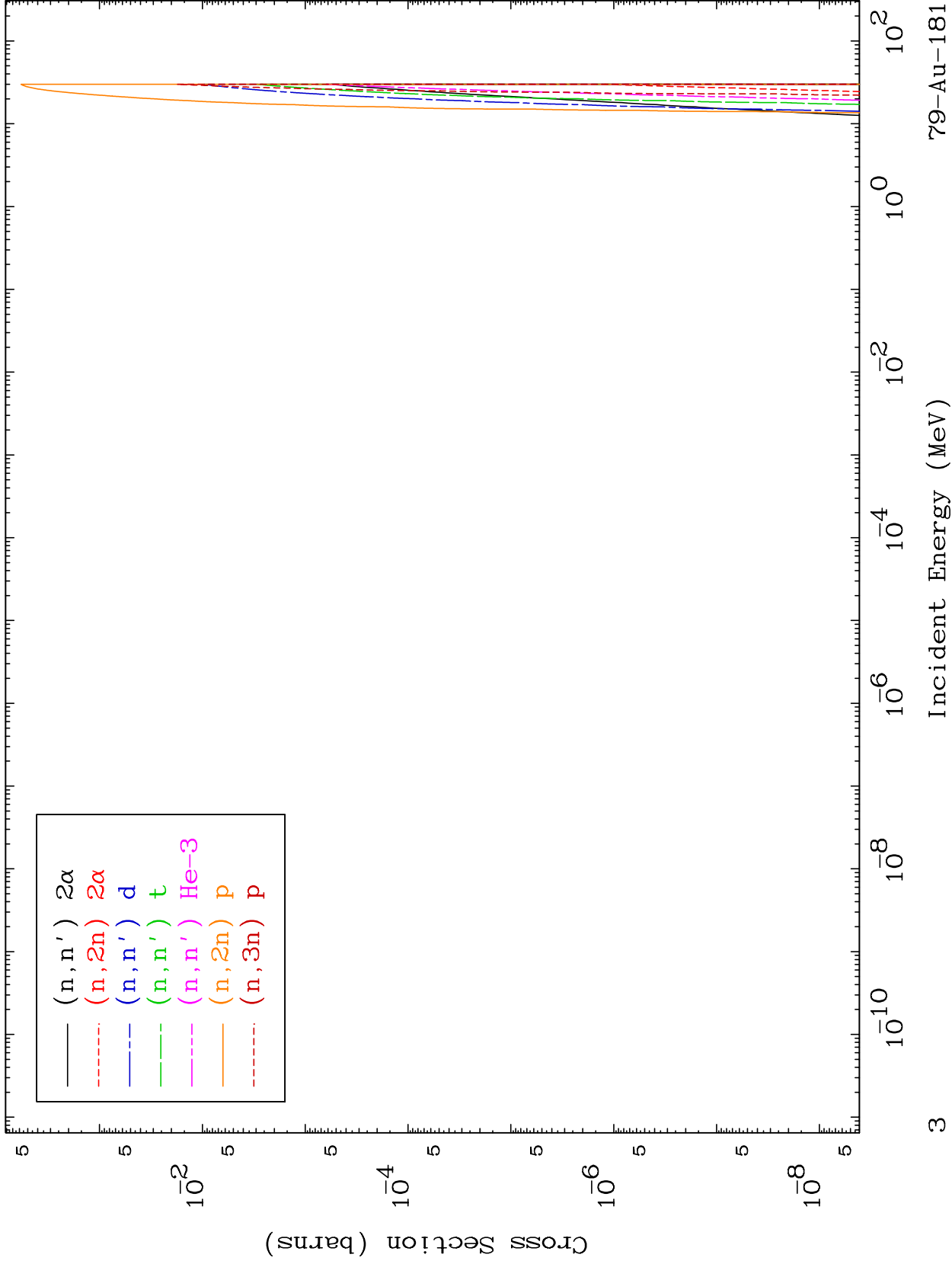
79-Au-181



MAT 7877

Neutron Production  
293 Kelvin Cross Sections

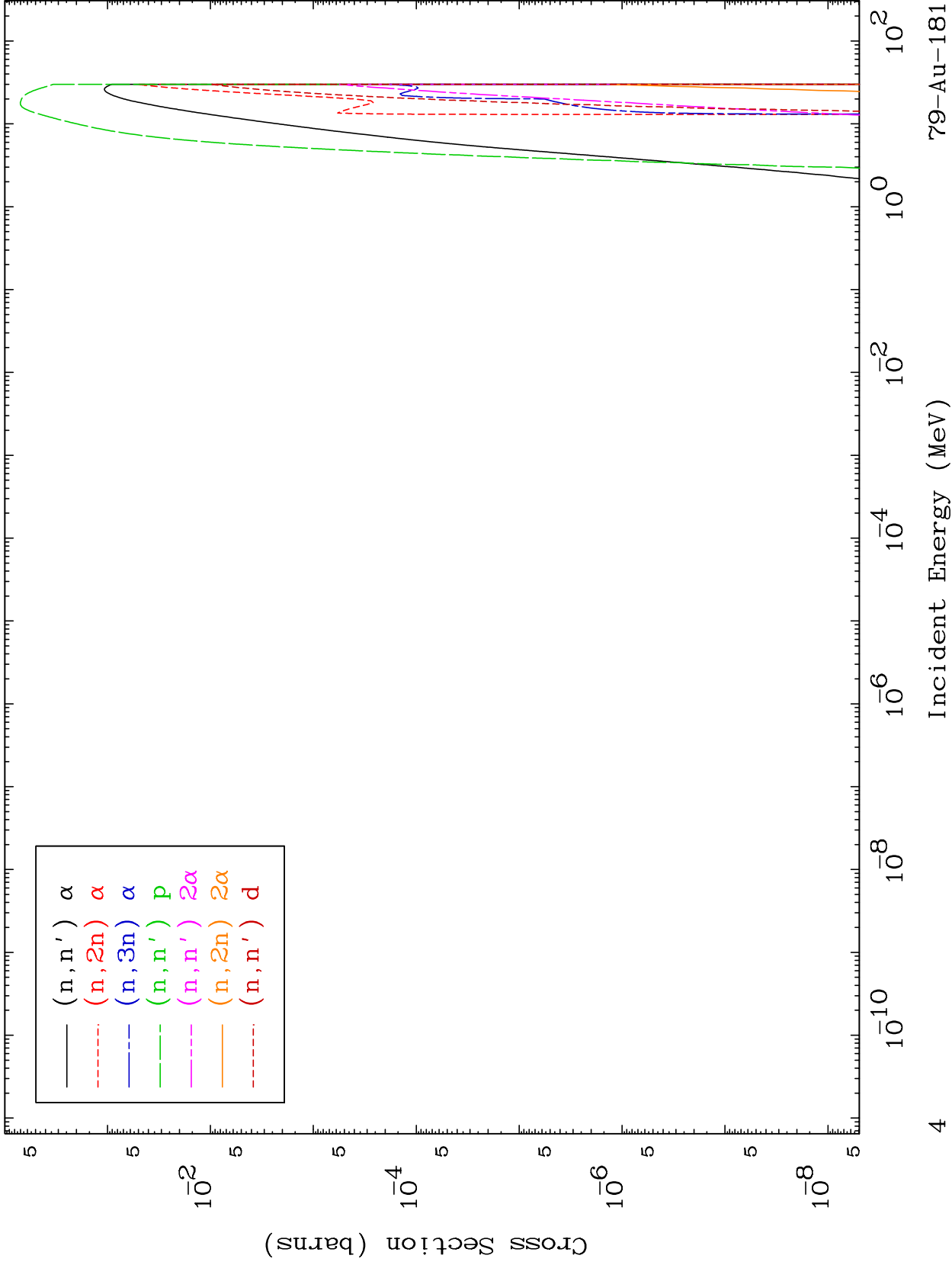
79-Au-181



MAT 7877

Charged Particle  
293 Kelvin Cross Sections

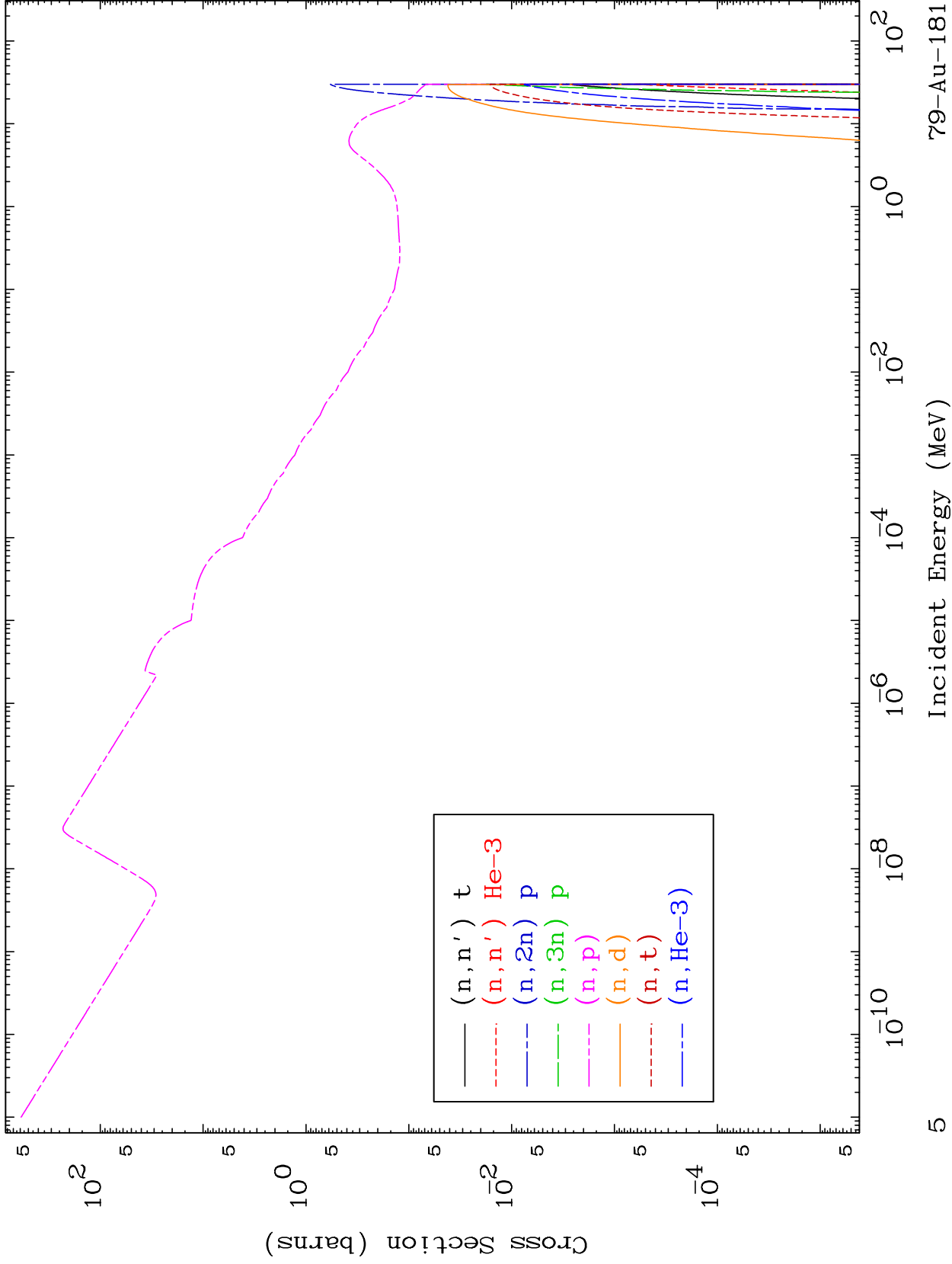
79-Au-181



MAT 78777

Charged Particle  
293 Kelvin Cross Sections

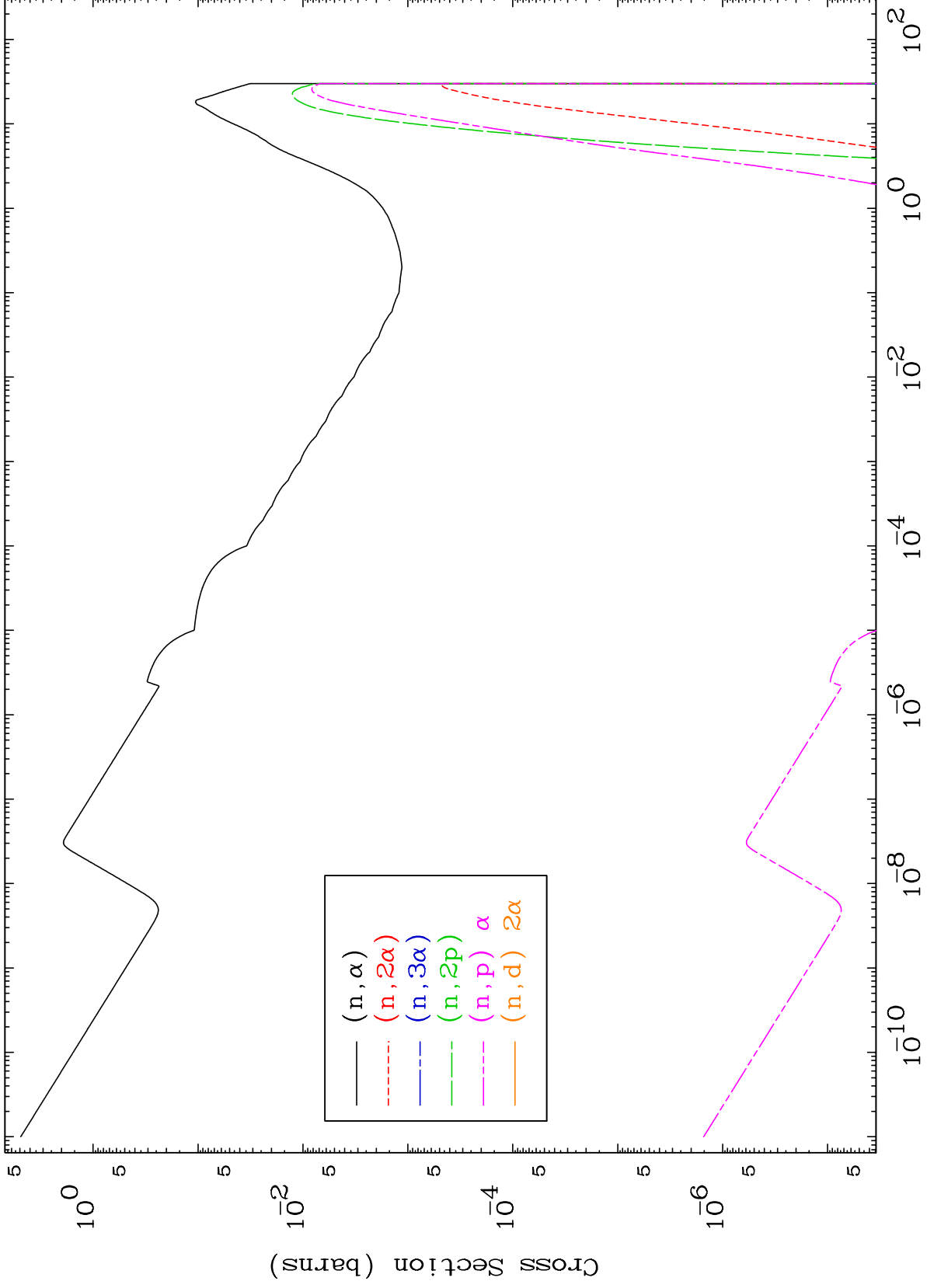
79-Au-181



MAT 78777

Charged Particle  
293 Kelvin Cross Sections

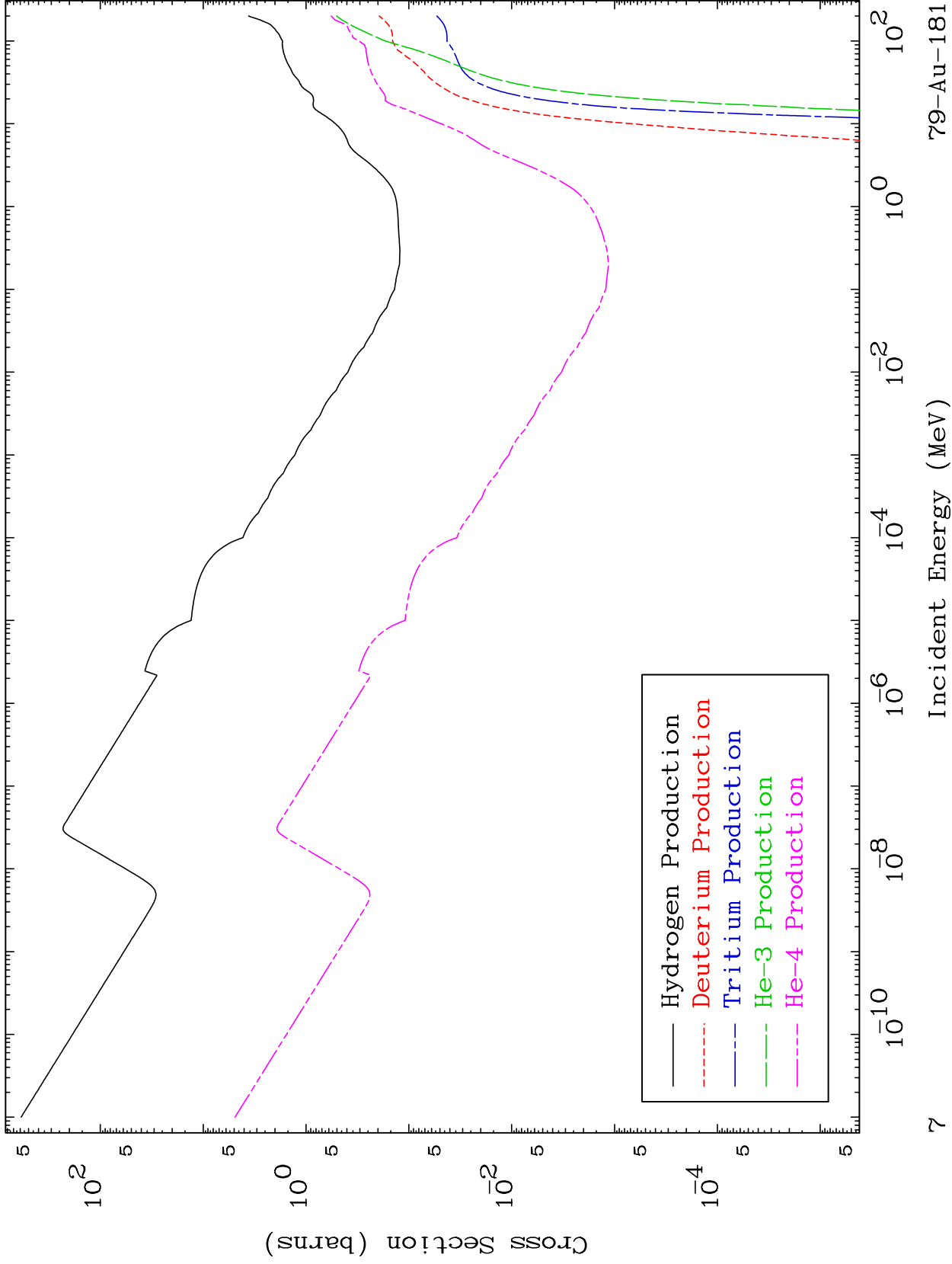
79-Au-181



6

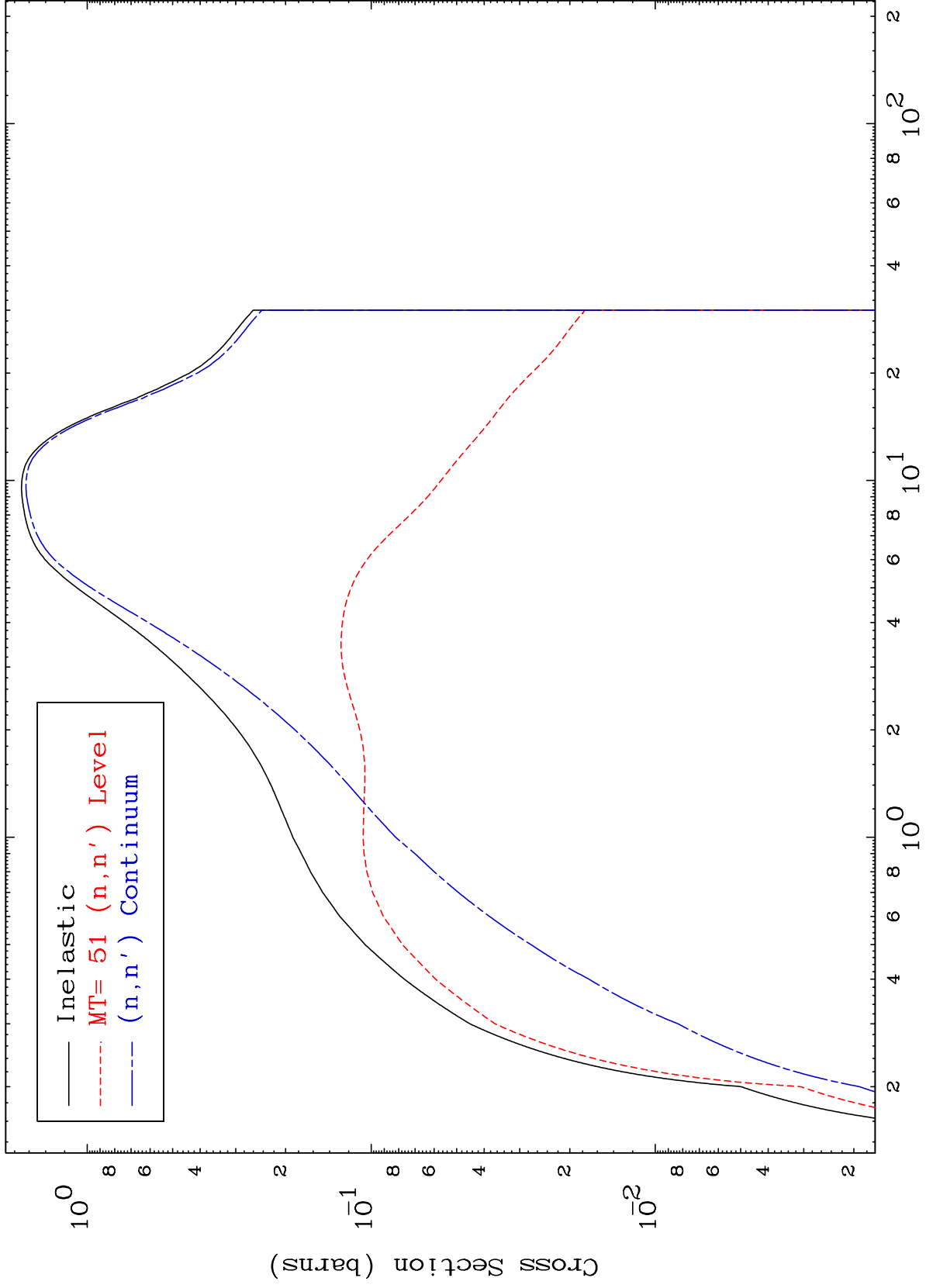
Incident Energy (MeV)

79-Au-181





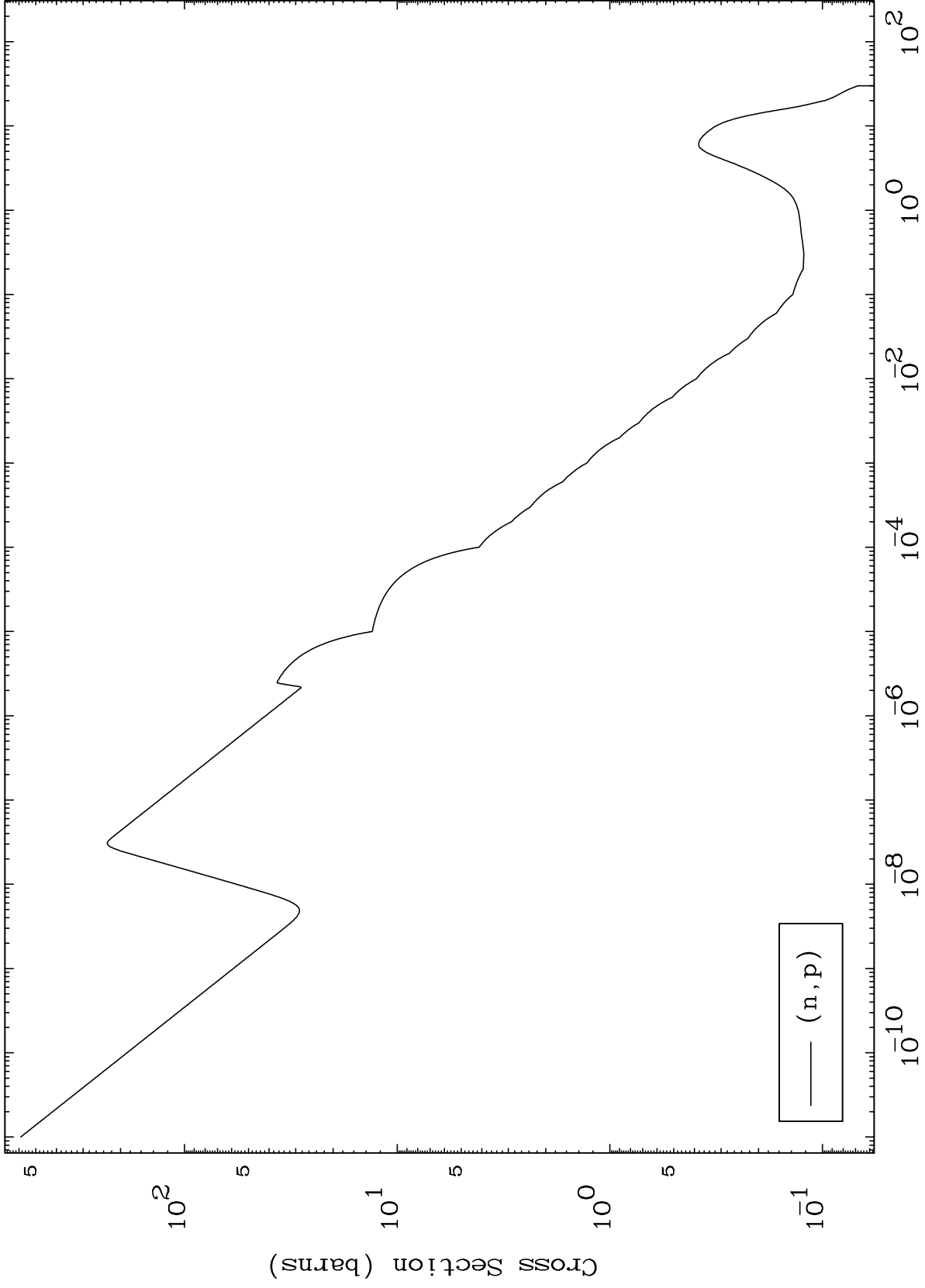
(n,n') Level  
293 Kelvin Cross Sections



MAT 7877

(n,p) Levels  
293 Kelvin Cross Sections

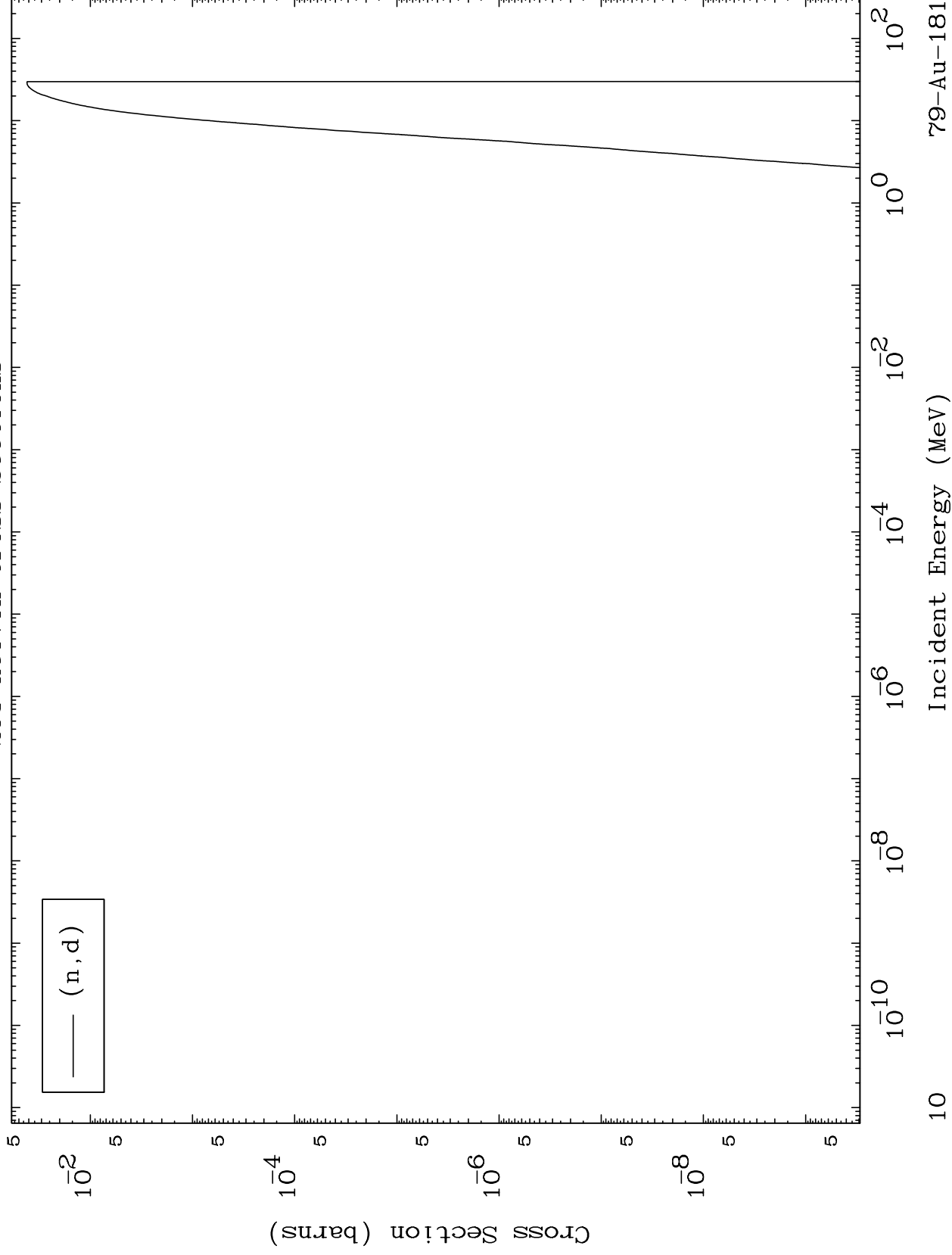
79-Au-181



MAT 78777

(n,d) Levels  
293 Kelvin Cross Sections

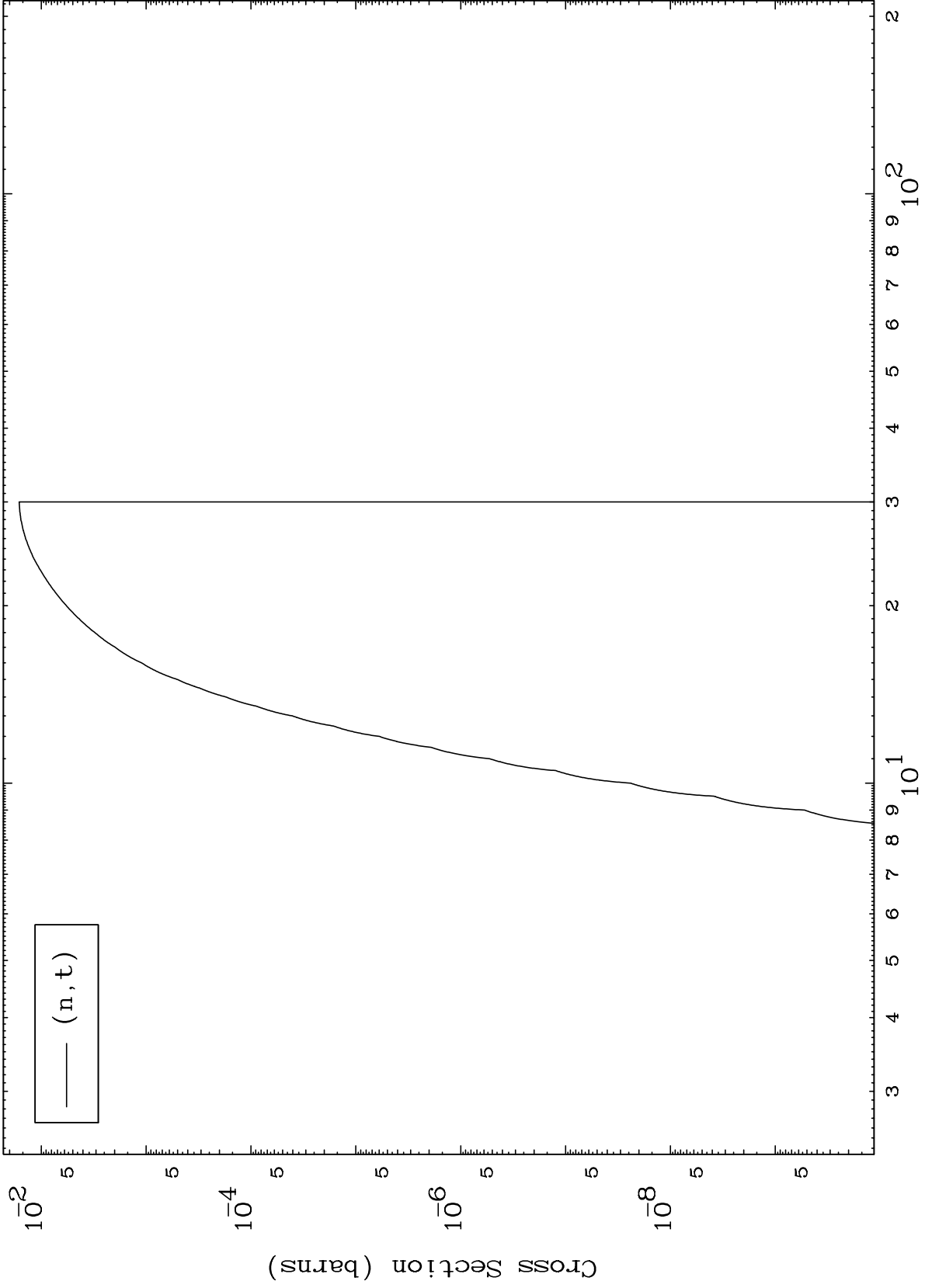
79-Au-181



MAT 7877

(n,t) Levels  
293 Kelvin Cross Sections

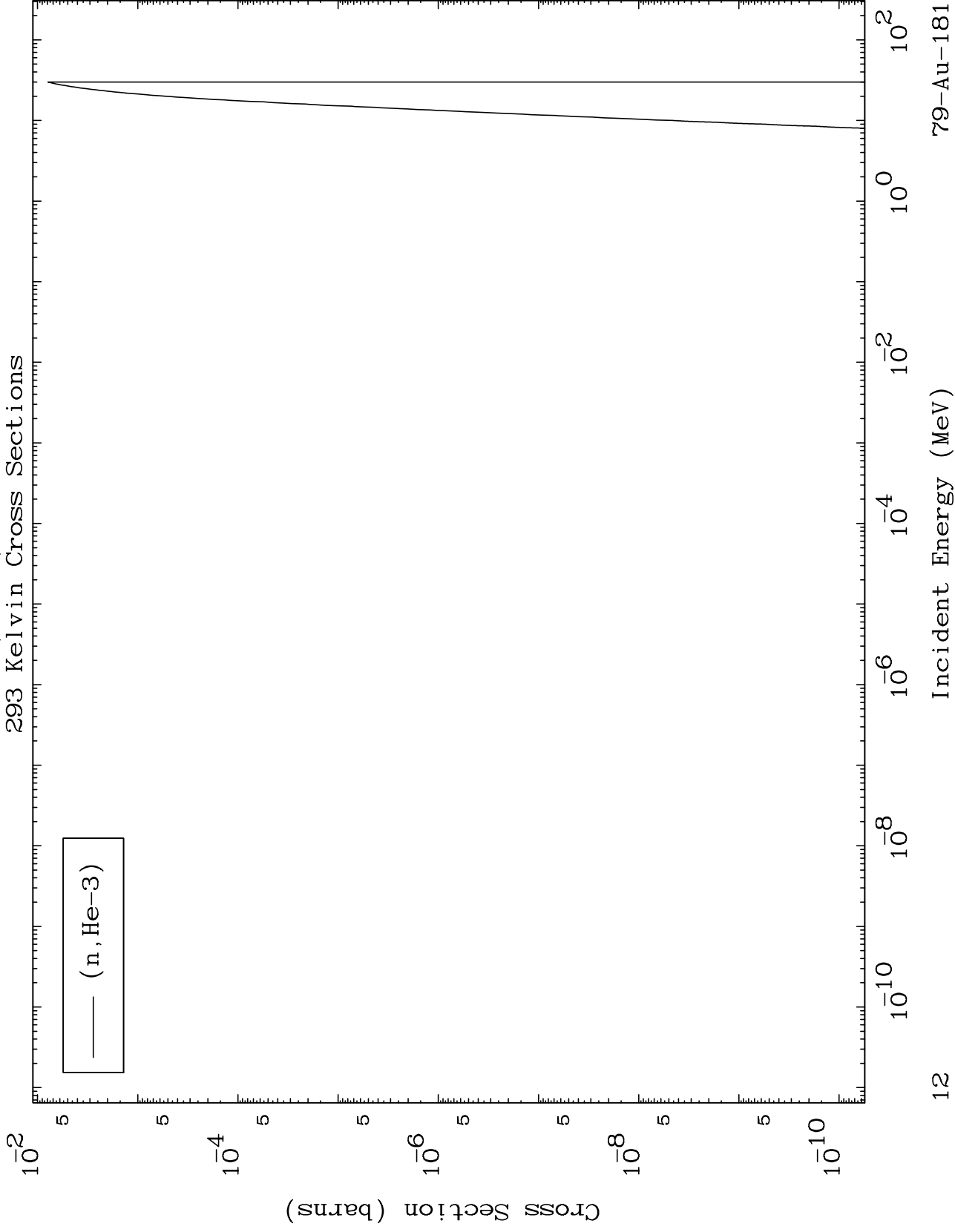
79-Au-181



MAT 7877

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-181



12

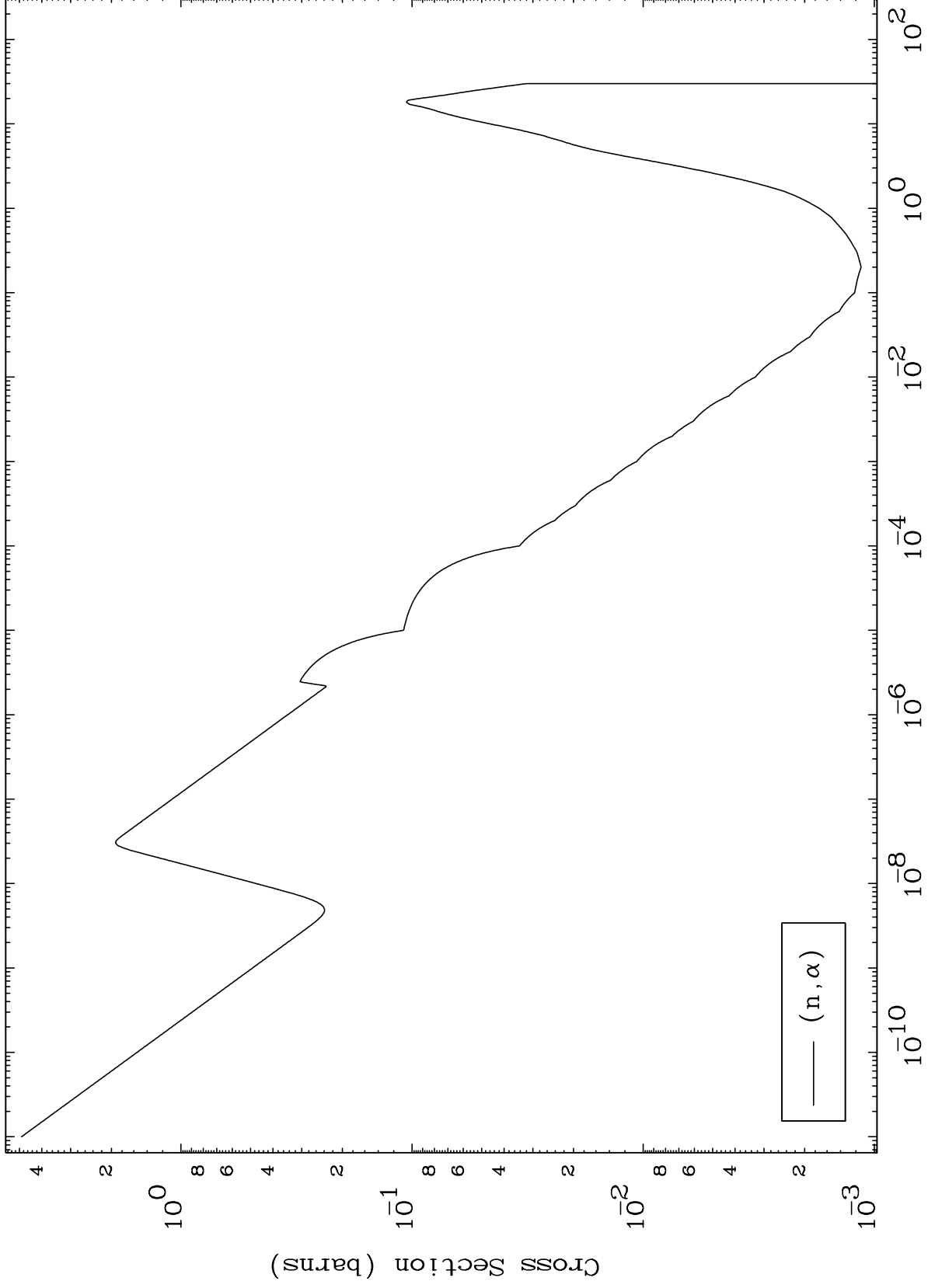
Incident Energy (MeV)

79-Au-181

MAT 7877

(n,α) Levels  
293 Kelvin Cross Sections

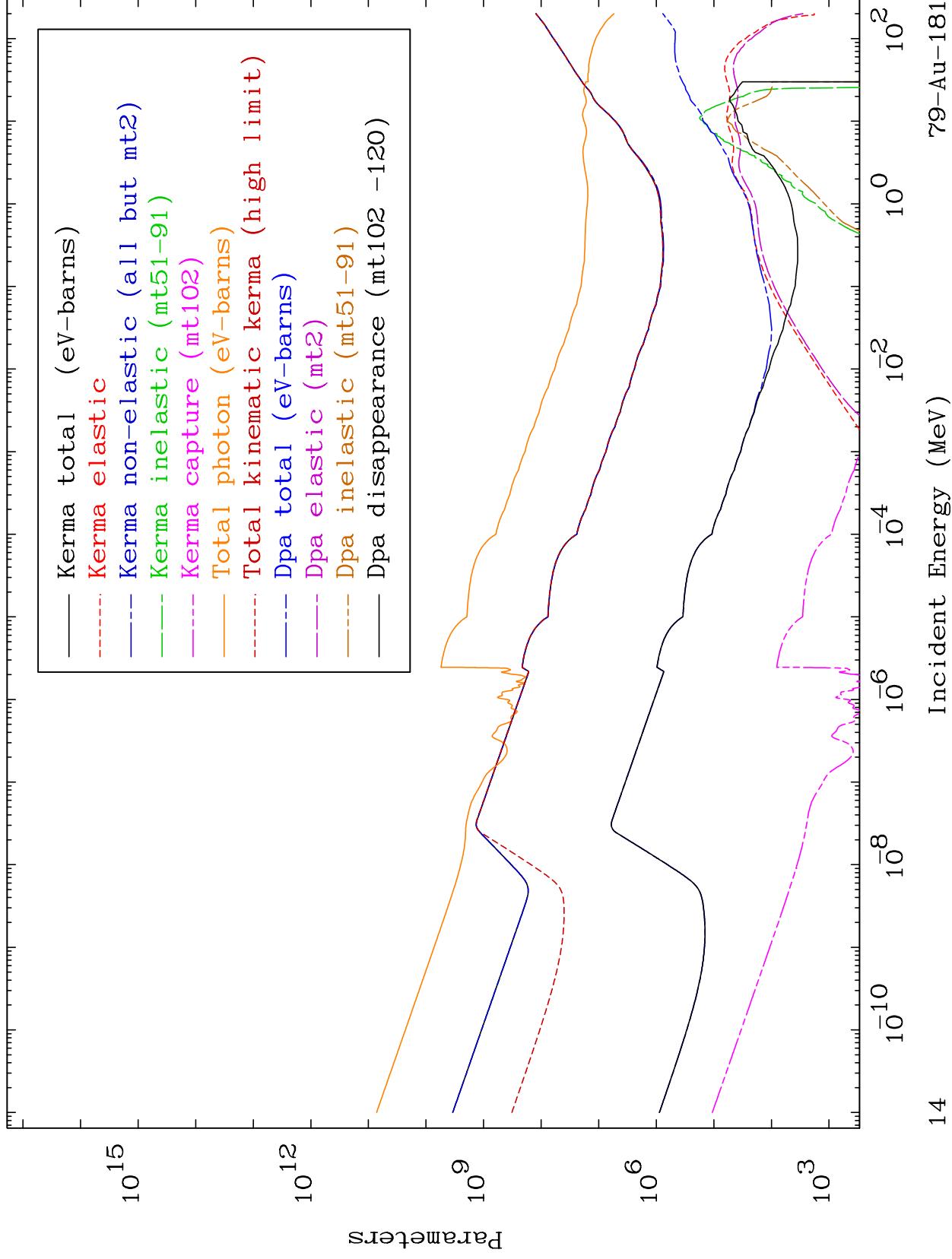
79-Au-181

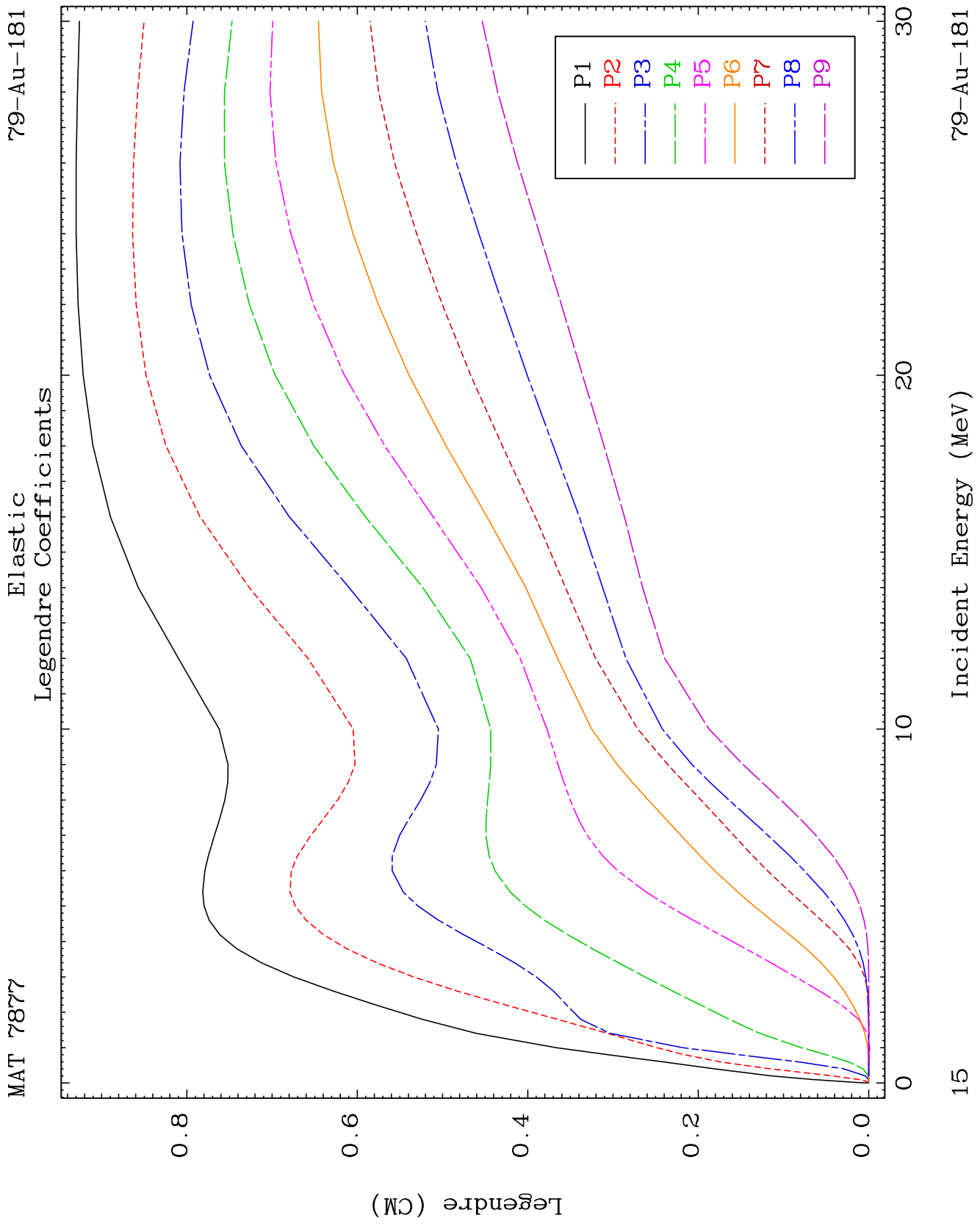


13

Incident Energy (MeV)

79-Au-181



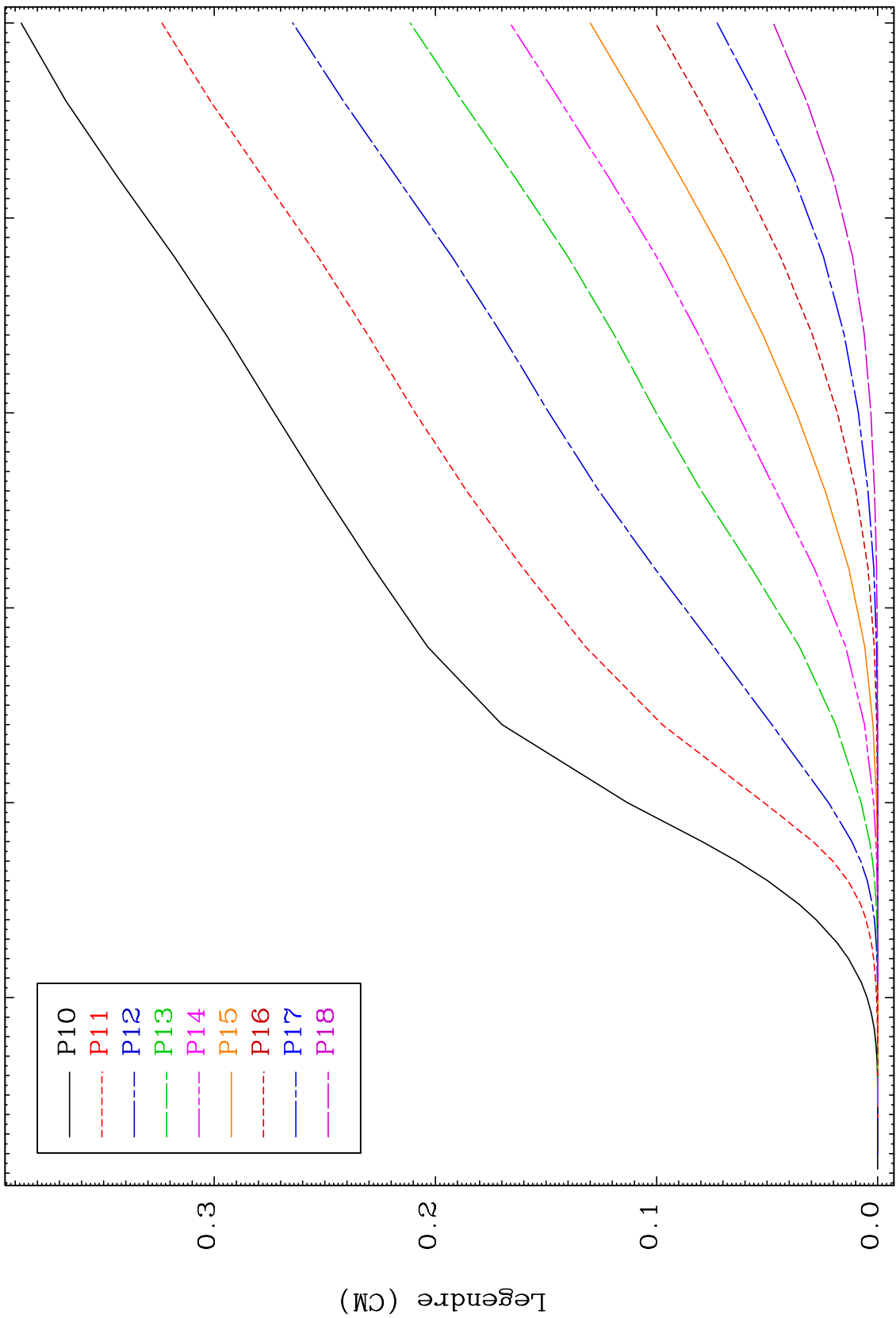




MAT 7877

Elastic Legendre Coefficients

<sup>79</sup>Au-181

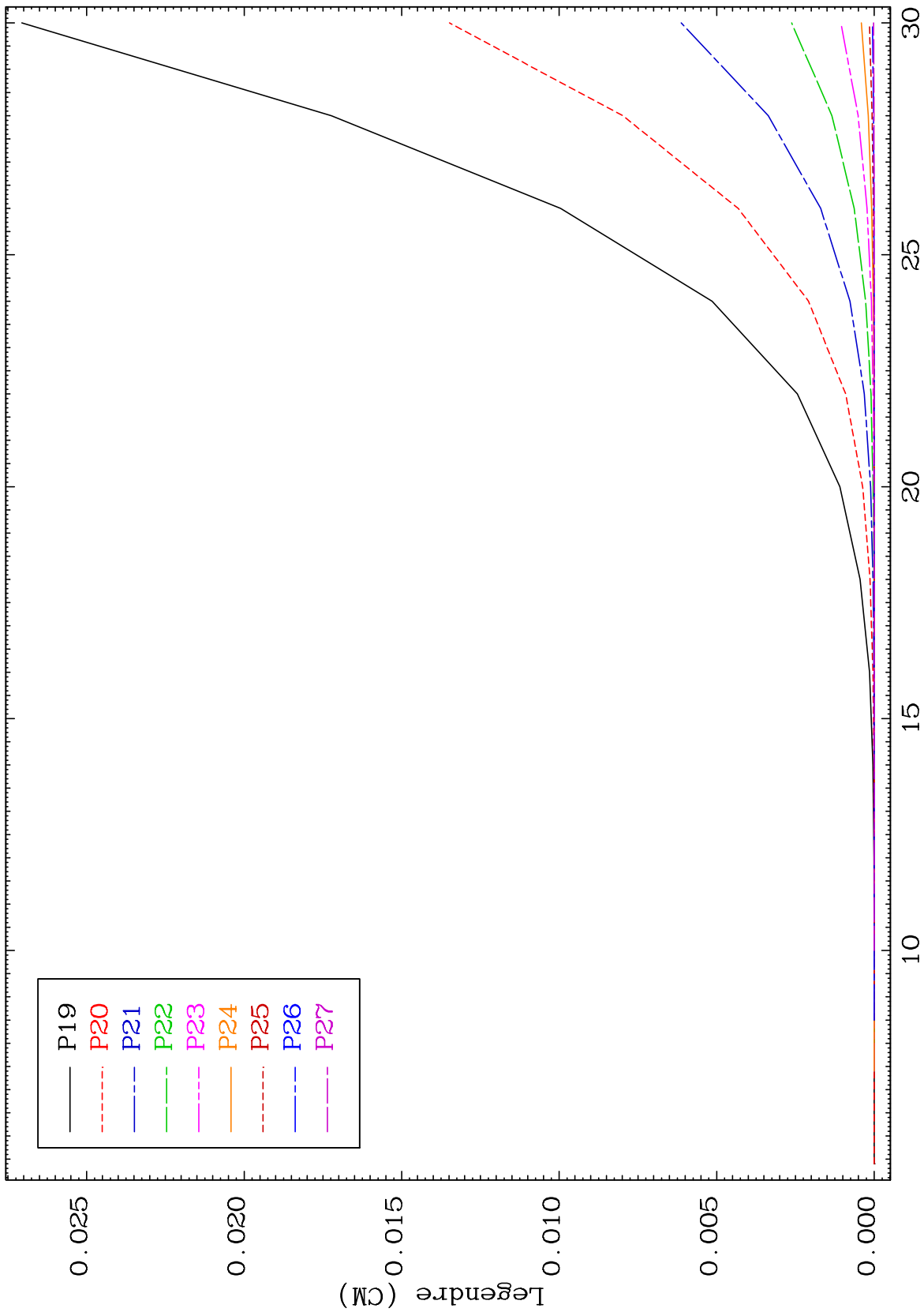


16

Incident Energy (MeV)

<sup>79</sup>Au-181

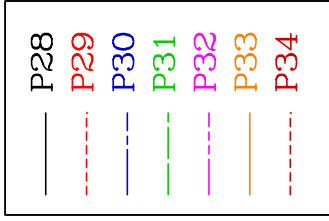
Elastic Legendre Coefficients



MAT 7877

Elastic  
Legendre Coefficients

79-Au-181



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

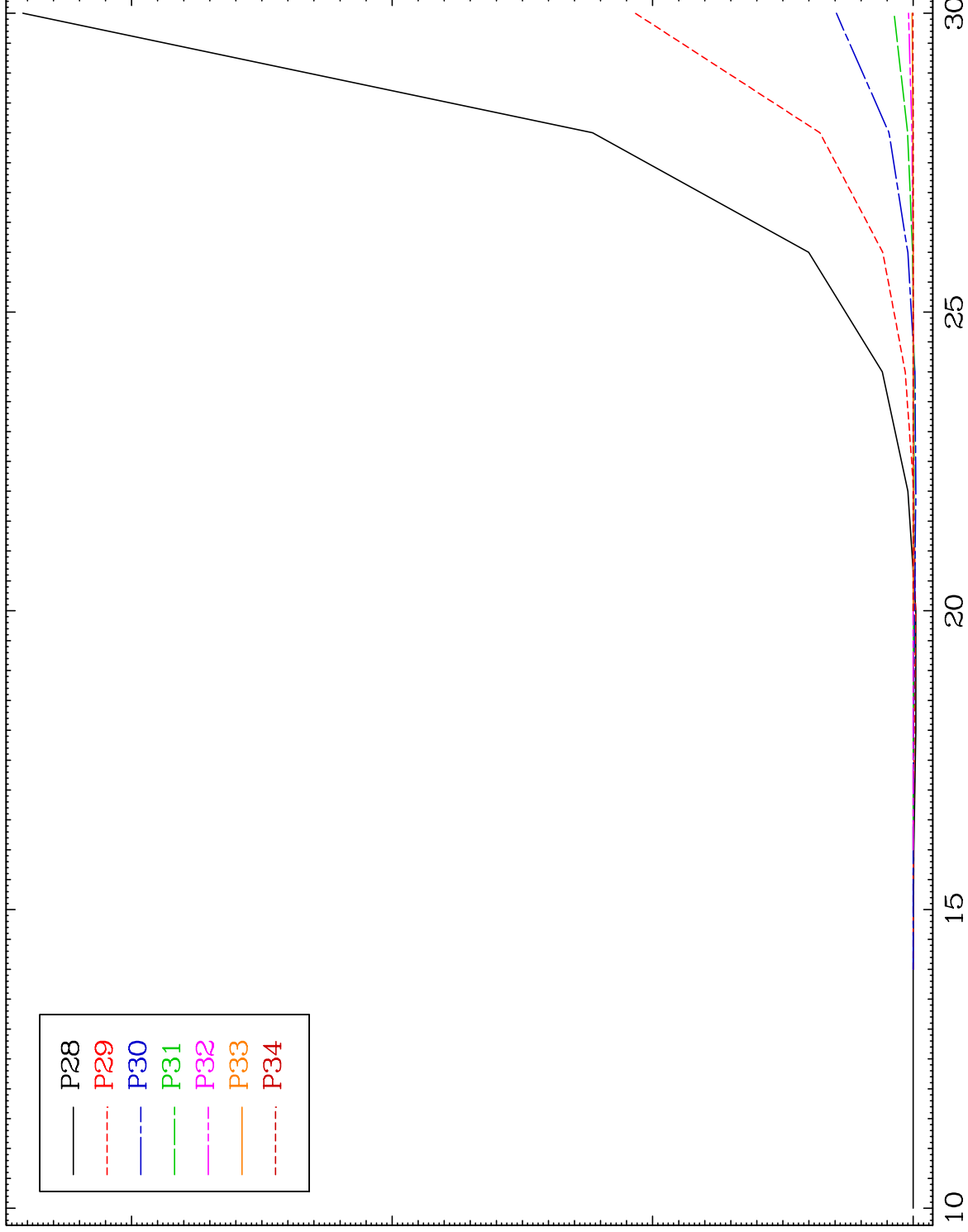
25

30

18

Incident Energy (MeV)

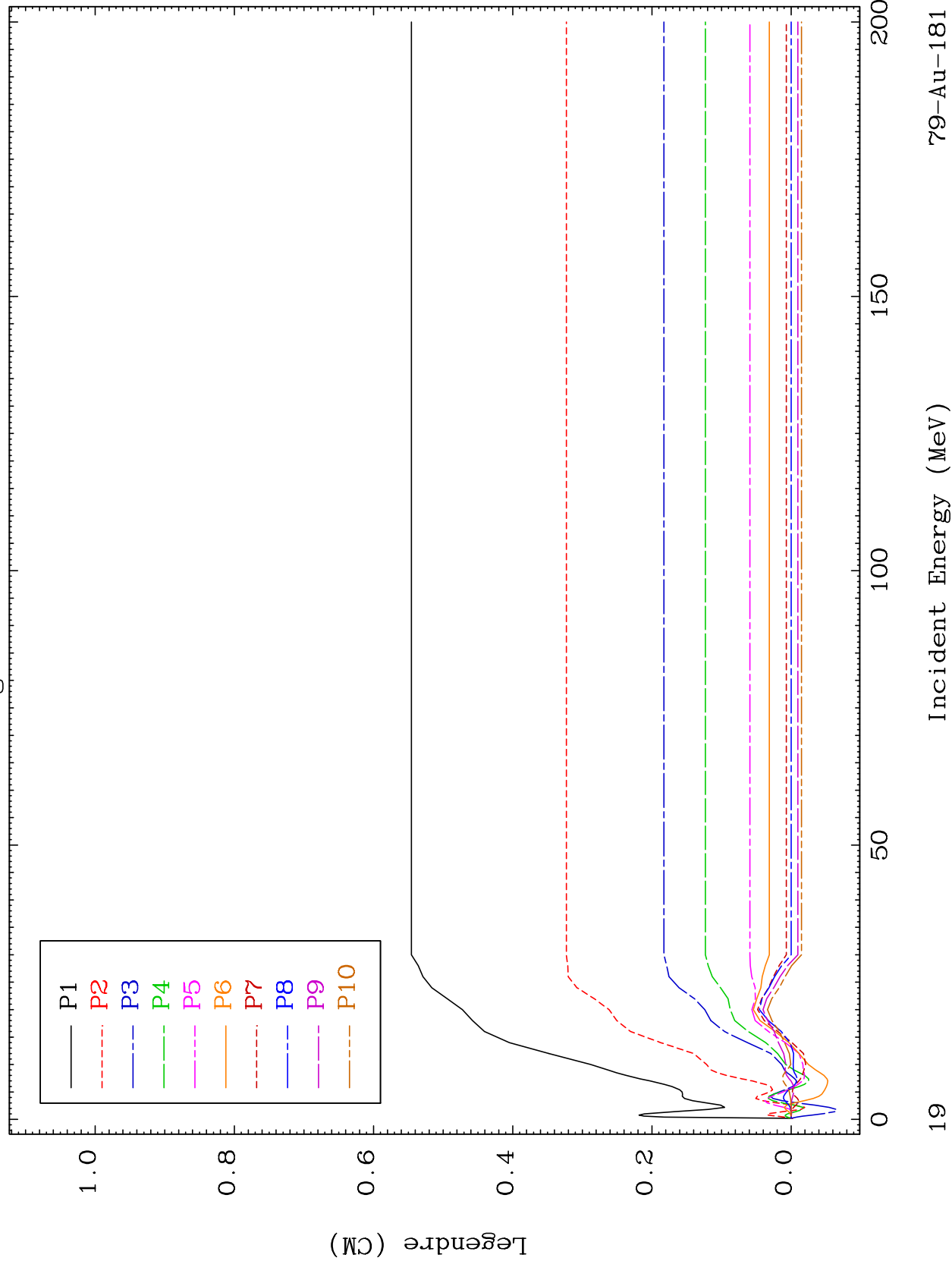
79-Au-181



MAT 7877

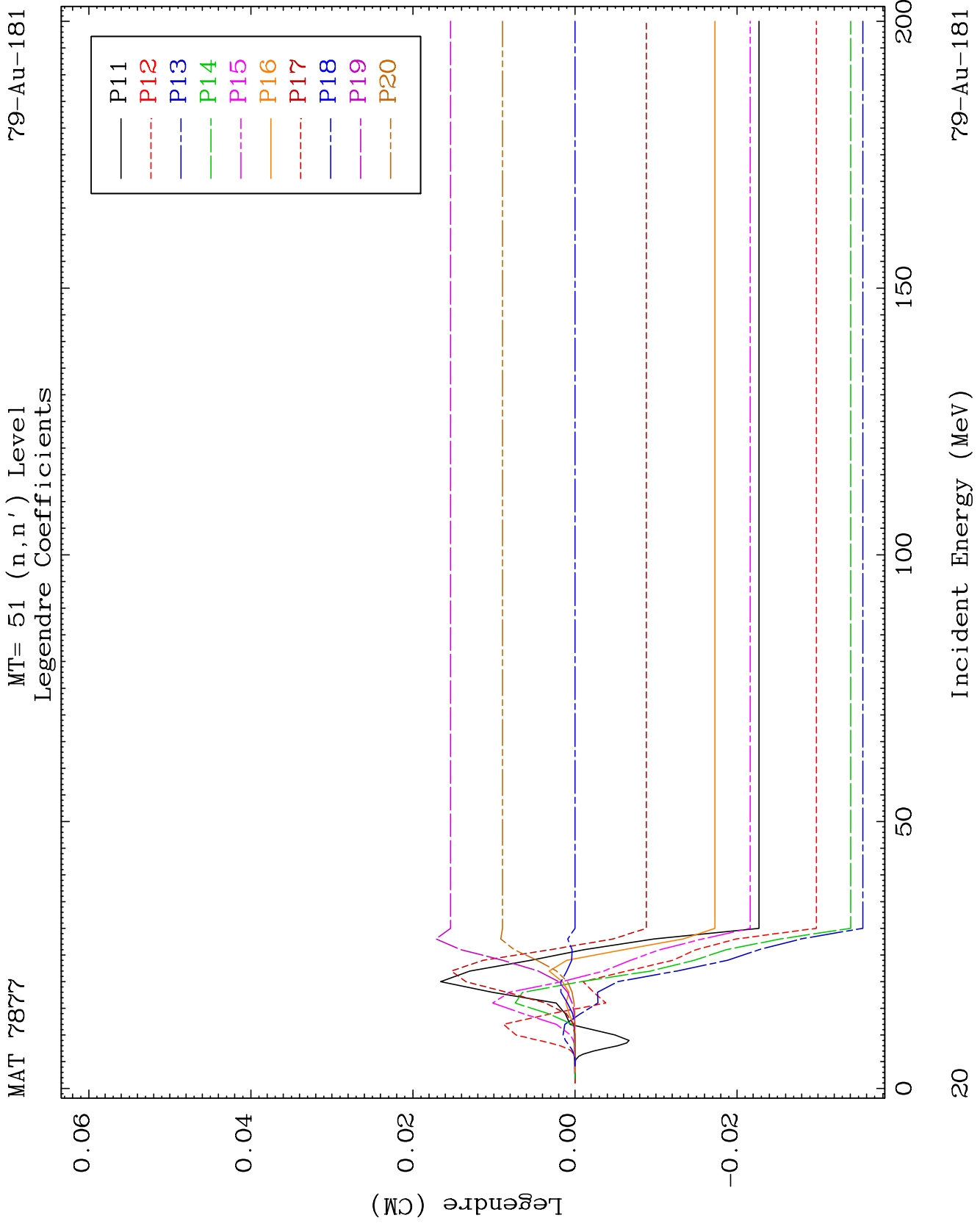
MT= 51 (n,n') Level  
Legendre Coefficients

79-Au-181



19

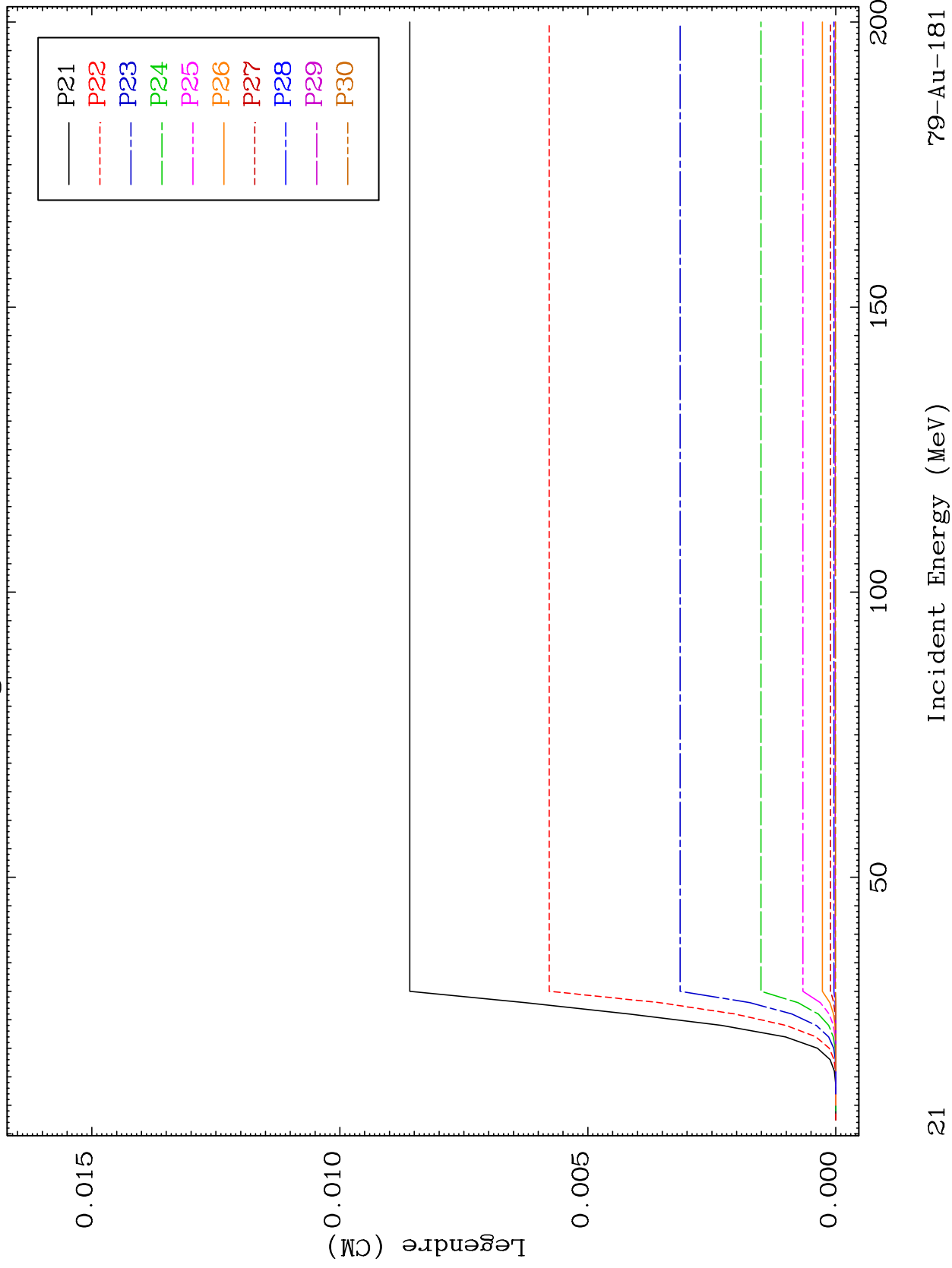
79-Au-181



MAT 7877

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

79-Au-181



21

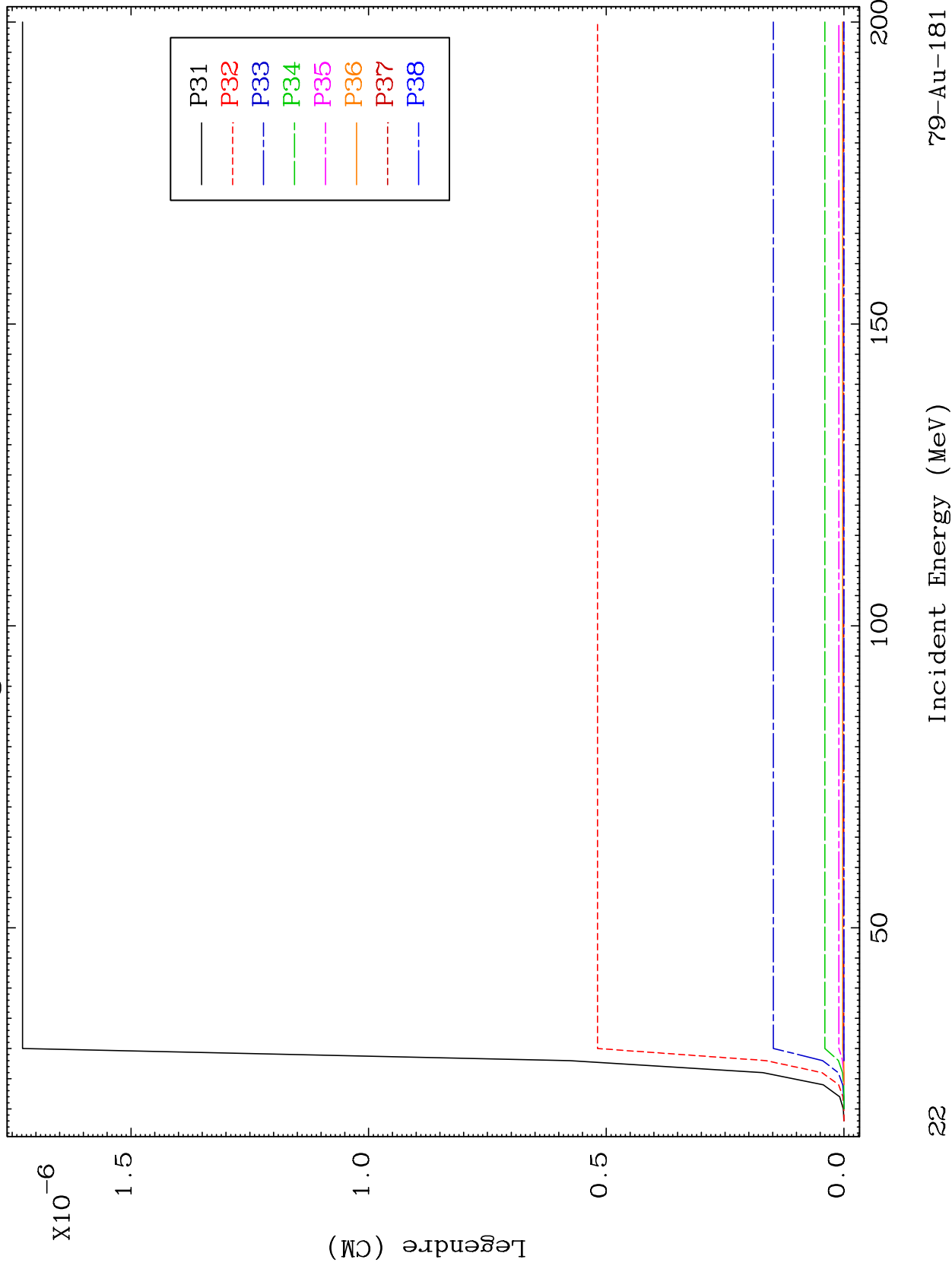
Incident Energy (MeV)

79-Au-181

MAT 7877

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

79-Au-181



22

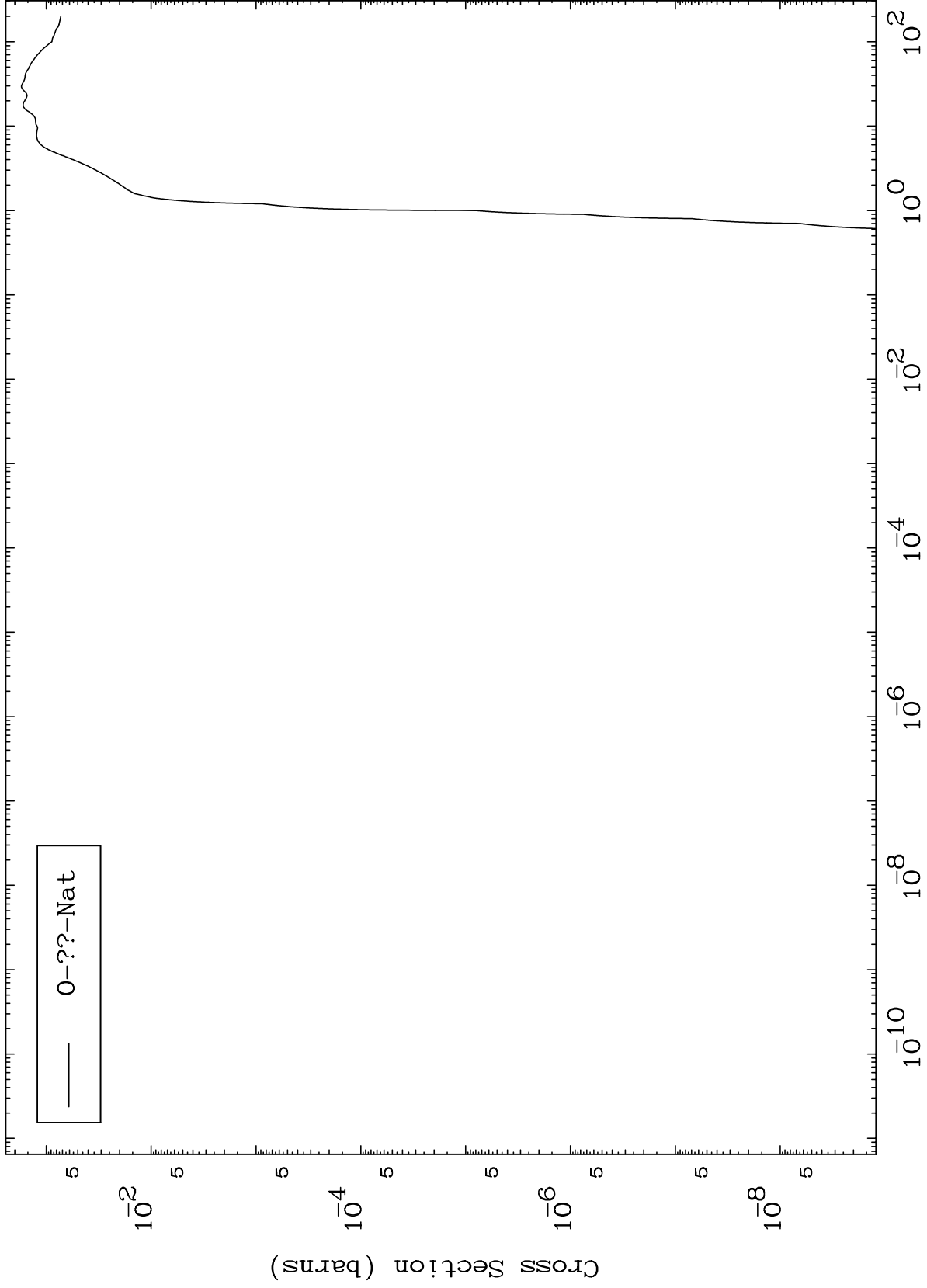
79-Au-181

MAT 7877

Fission

<sup>79</sup>Au-181

Radionuclide Production Cross Section



23

Incident Energy (MeV)

<sup>79</sup>Au-181

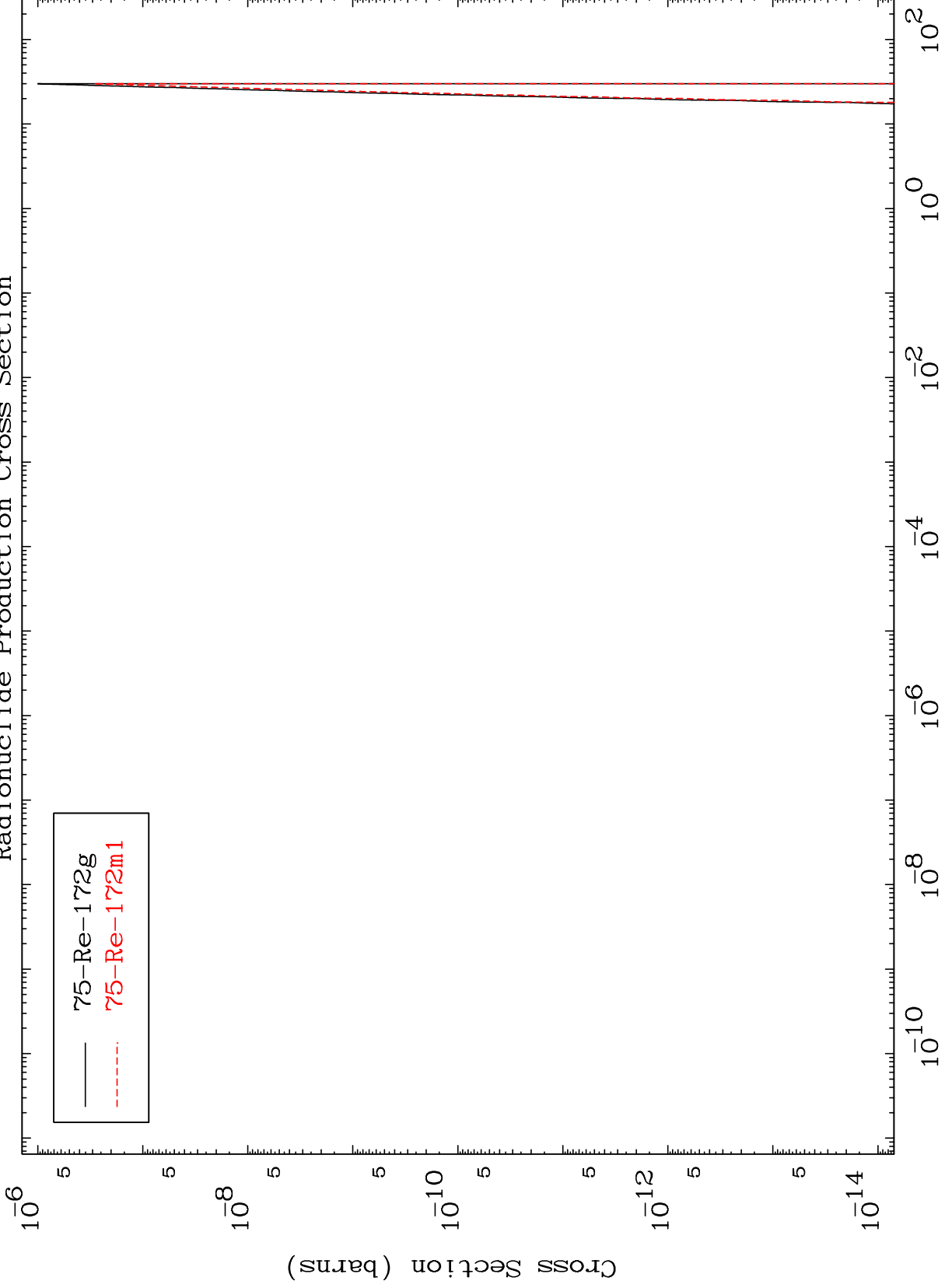


MAT 7877

(n,2n) 2 $\alpha$

79-Au-181

Radionuclide Production Cross Section



24

Incident Energy (MeV)

79-Au-181