

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

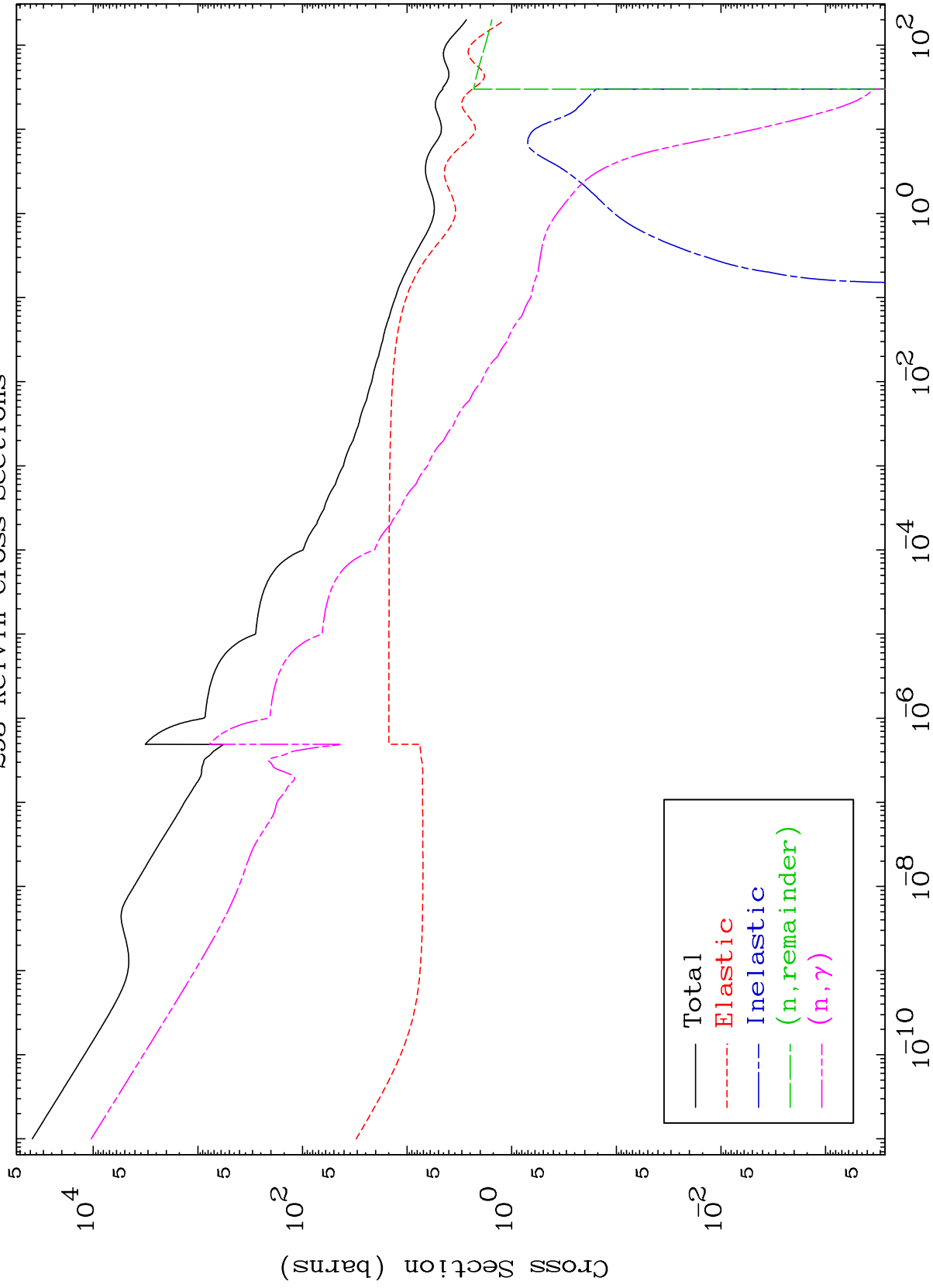
Press Mouse Button to Start

MAT 7868

Major

293 Kelvin Cross Sections

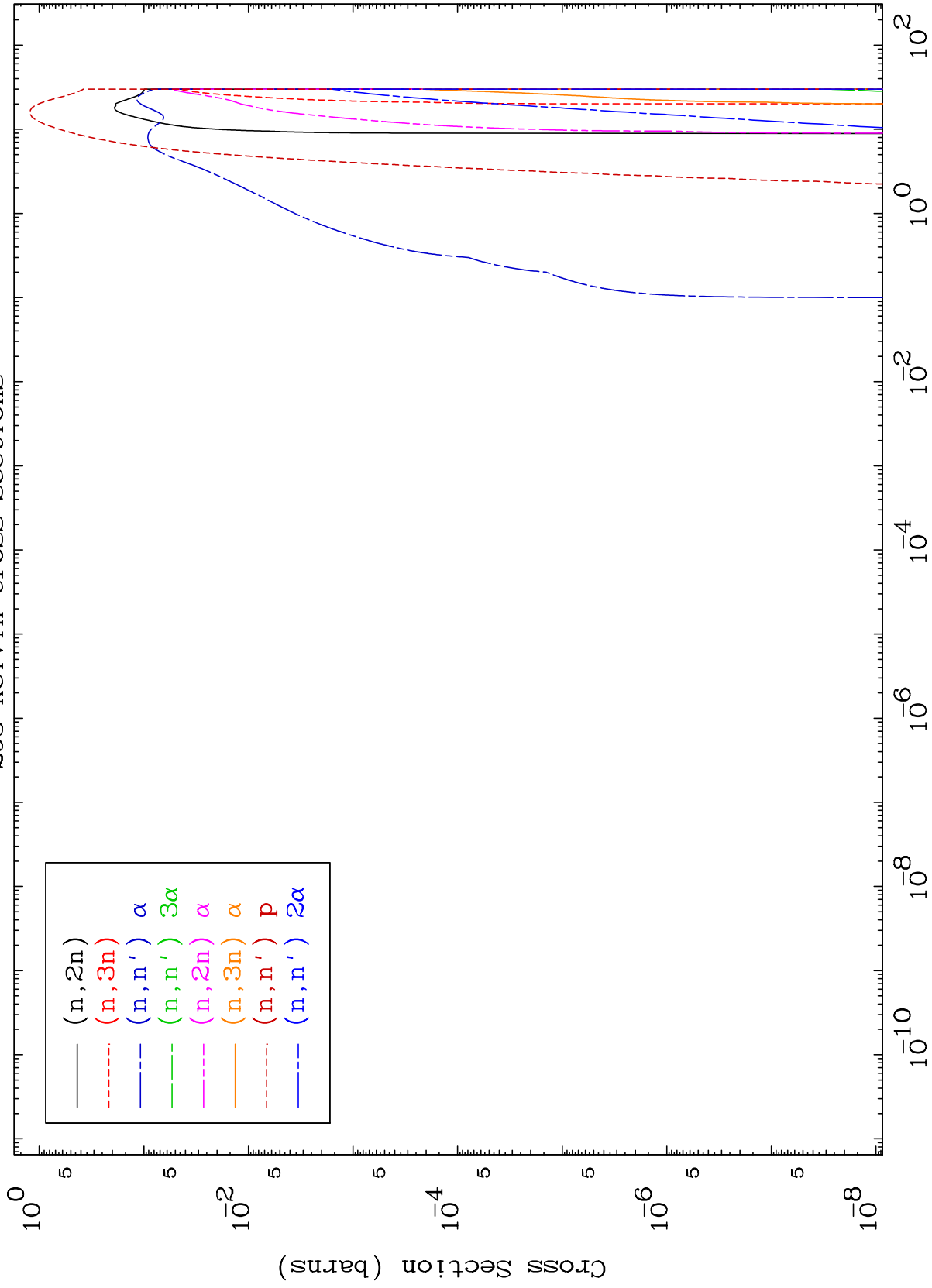
79-Au-178



MAT 7868

Neutron Production  
293 Kelvin Cross Sections

79-Au-178



2

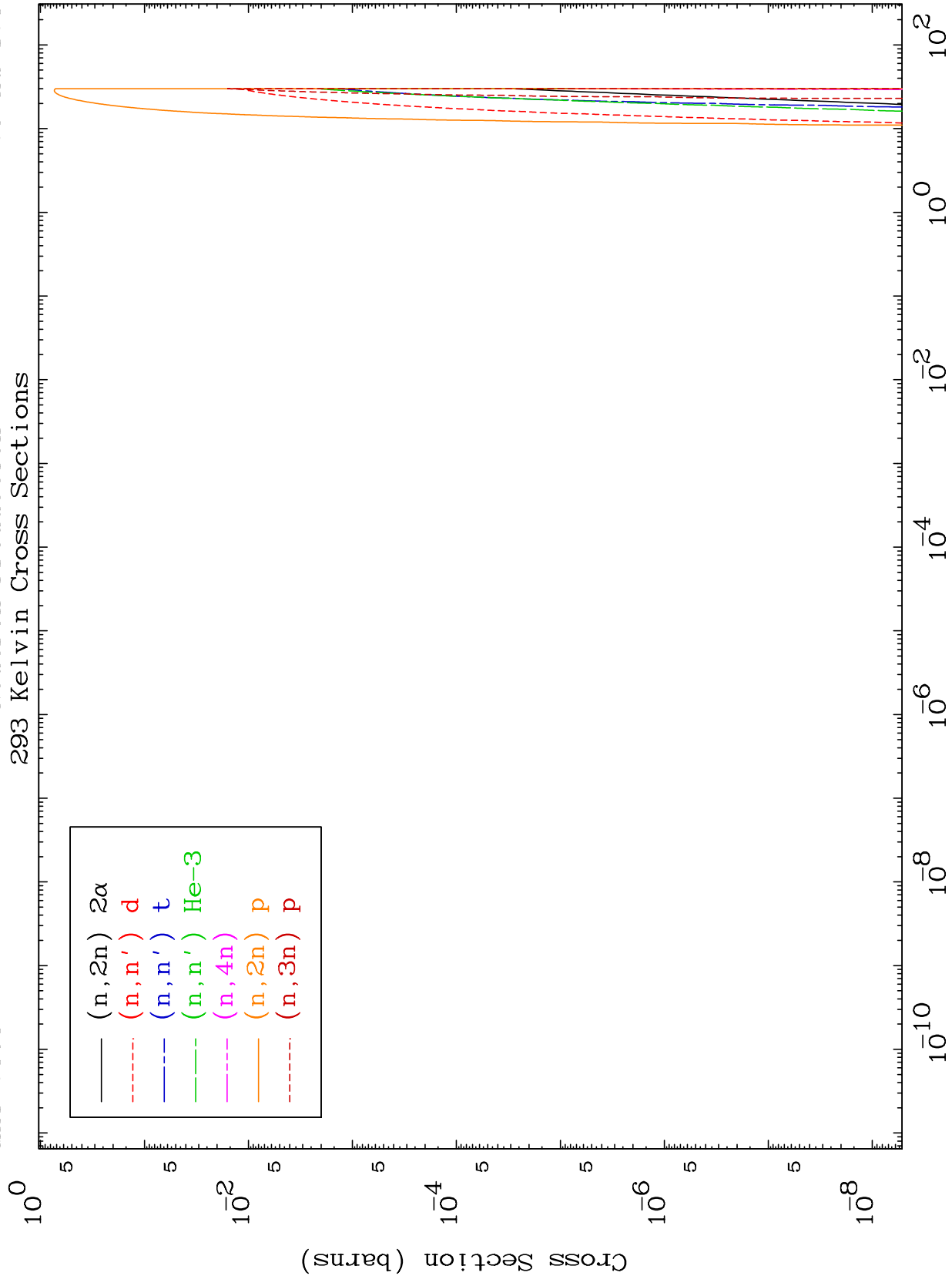
Incident Energy (MeV)

79-Au-178

MAT 7868

Neutron Production  
293 Kelvin Cross Sections

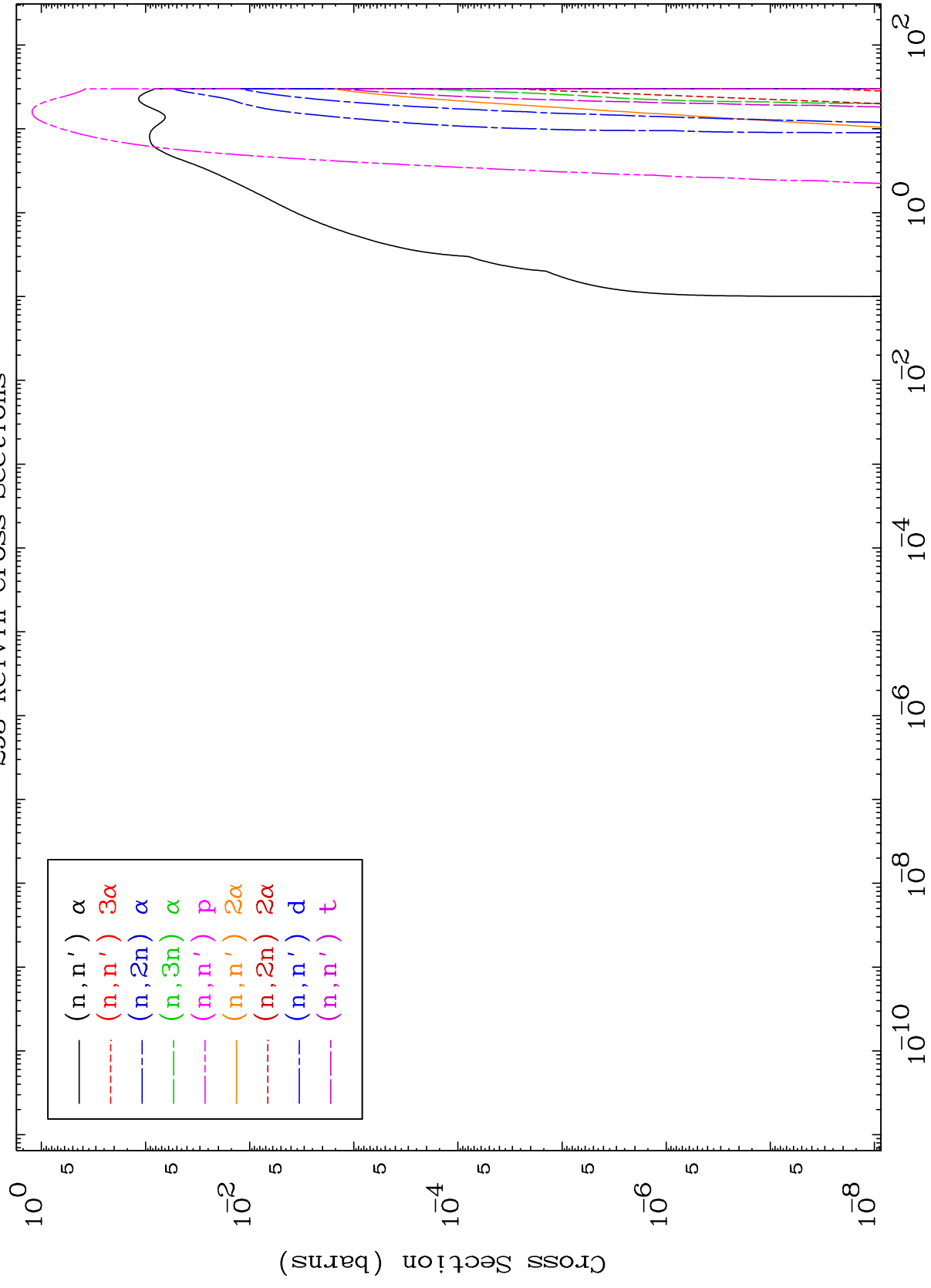
79-Au-178



MAT 7868

293 Kelvin Cross Sections

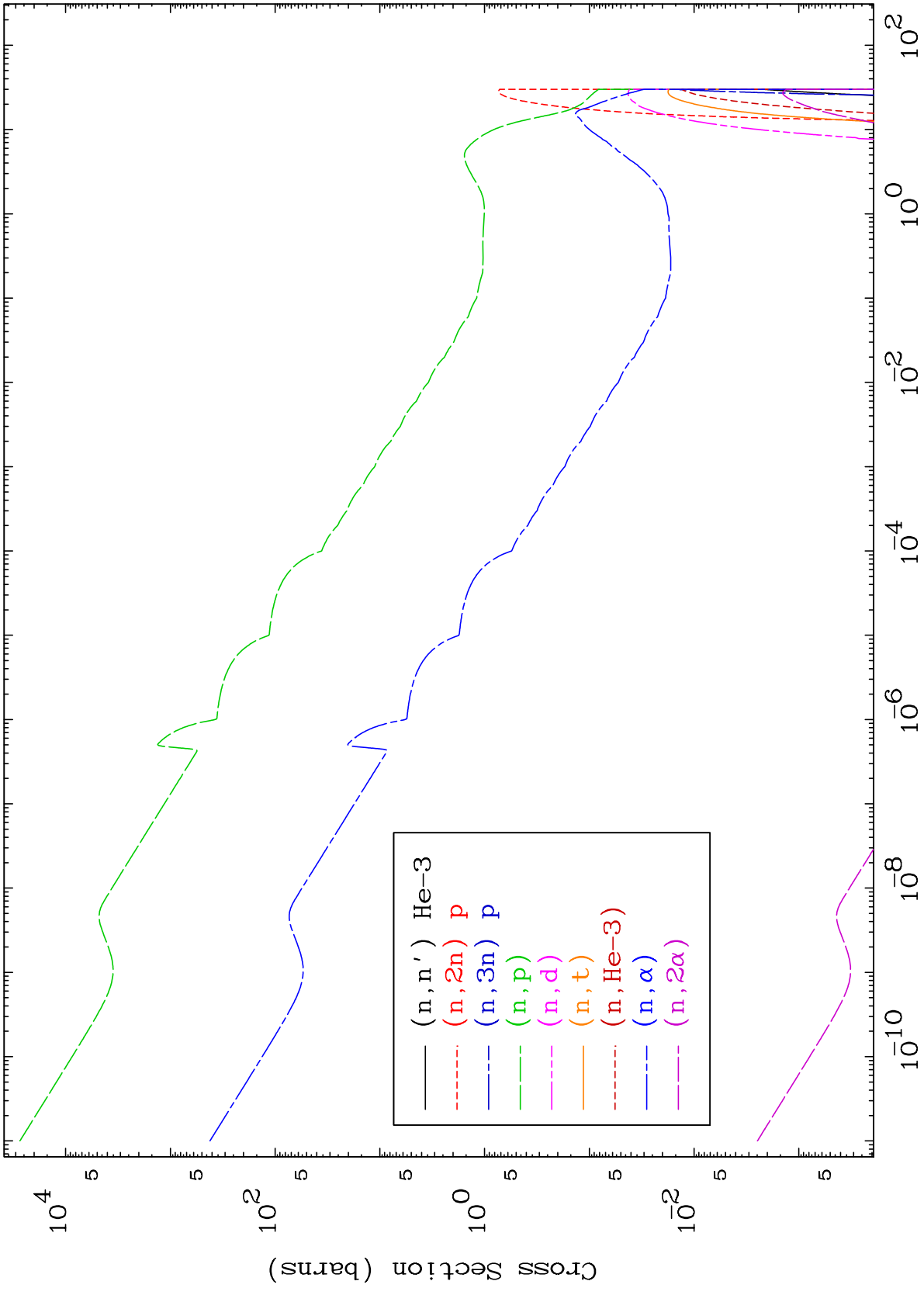
79-Au-178



MAT 7868

Charged Particle  
293 Kelvin Cross Sections

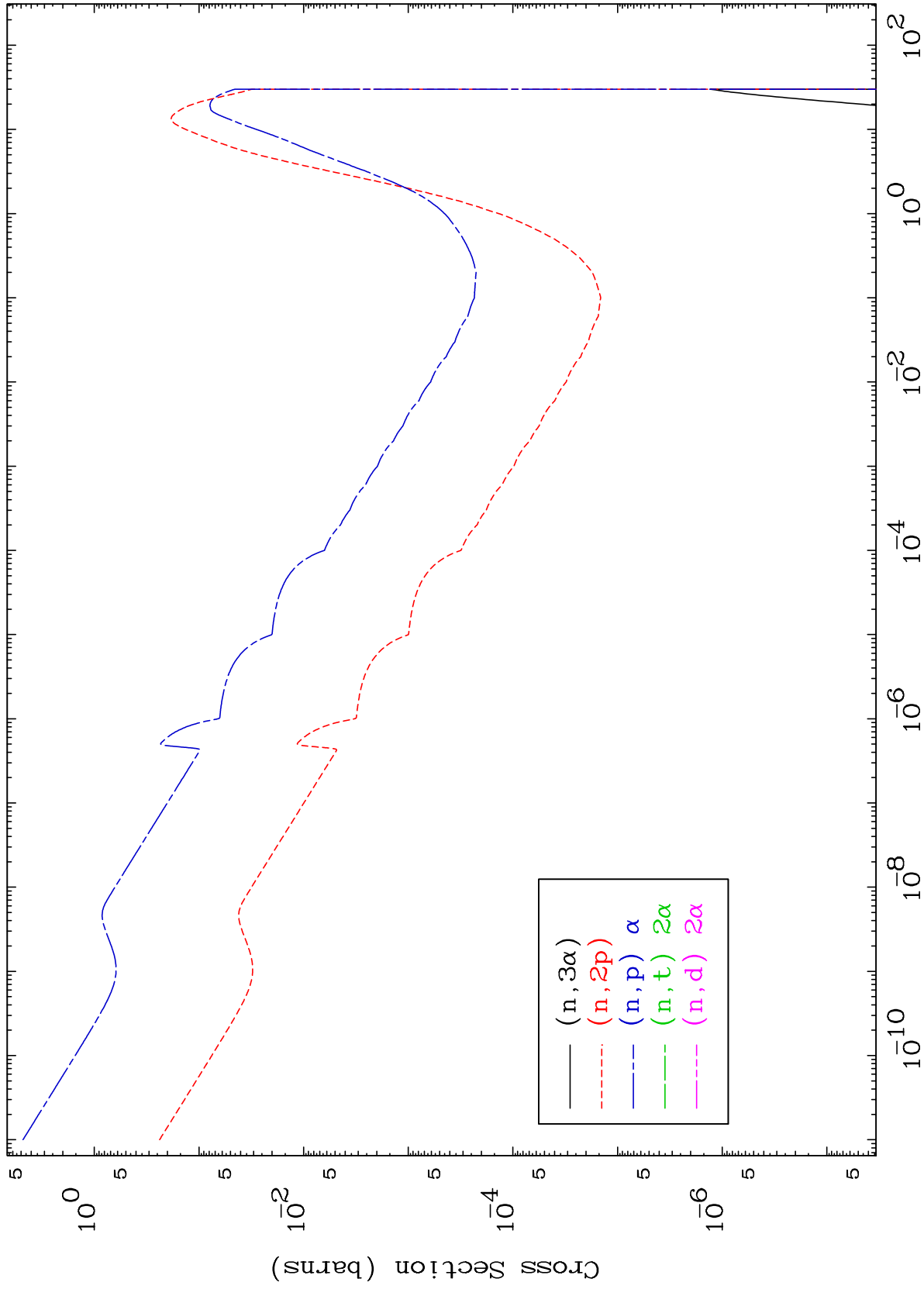
79-Au-178



MAT 7868

Charged Particle  
293 Kelvin Cross Sections

79-Au-178



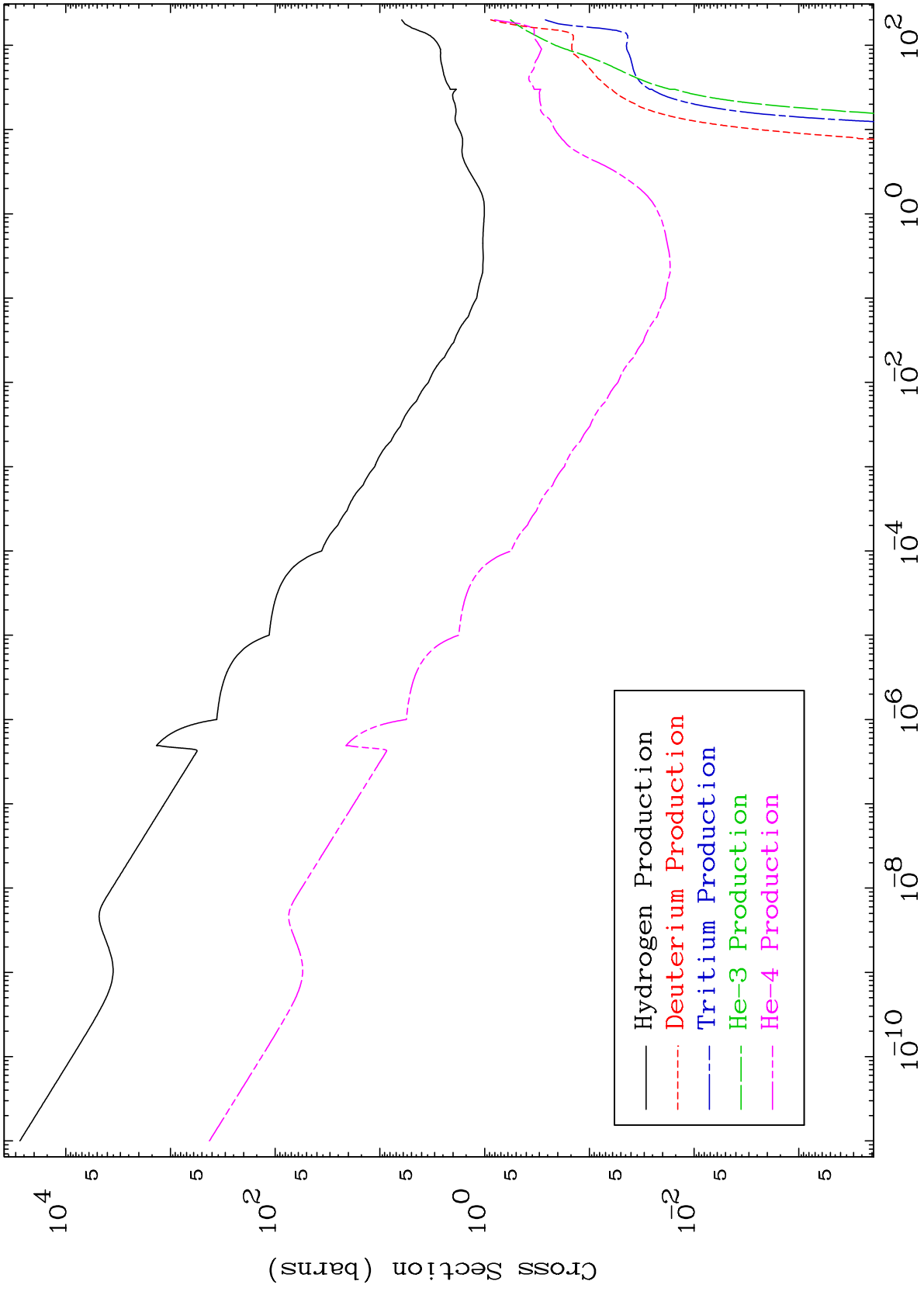
6

79-Au-178

MAT 7868

Particle Production  
293 Kelvin Cross Sections

79-Au-178



7

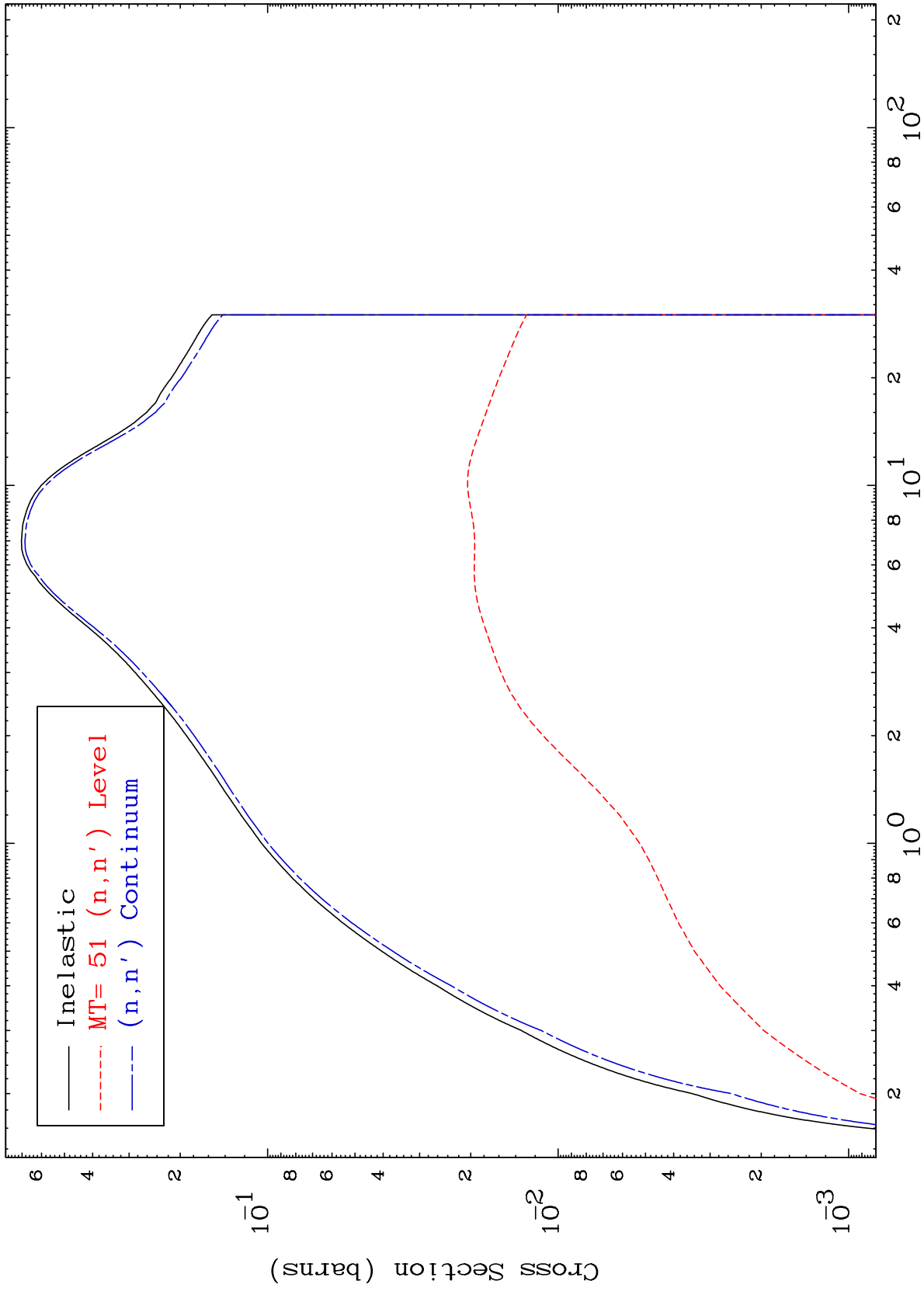
79-Au-178



MAT 7868

293 Kelvin Cross Sections

79-Au-178



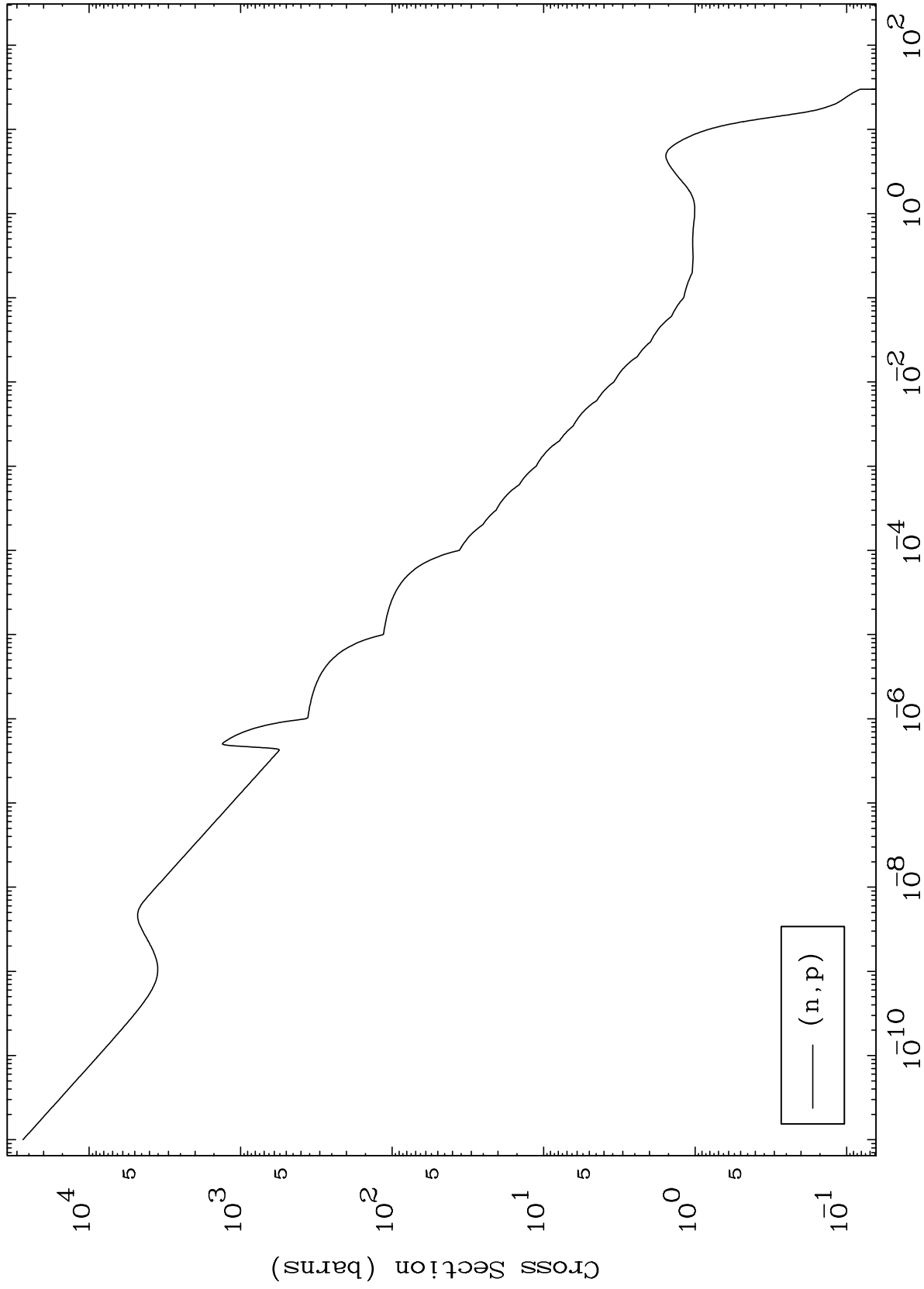
8

79-Au-178

MAT 7868

(n,p) Levels  
293 Kelvin Cross Sections

79-Au-178



9

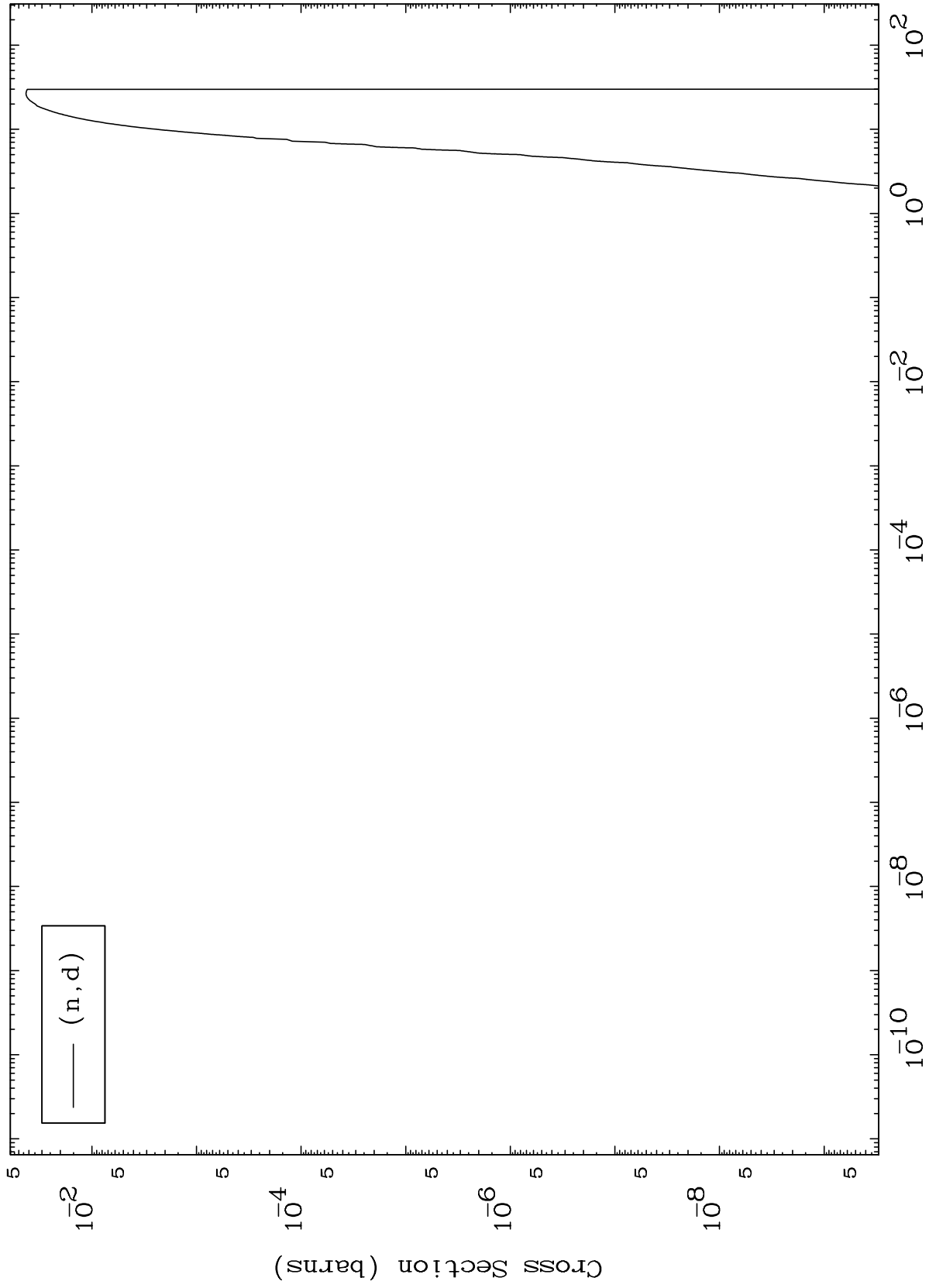
Incident Energy (MeV)

79-Au-178

MAT 7868

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-178



10

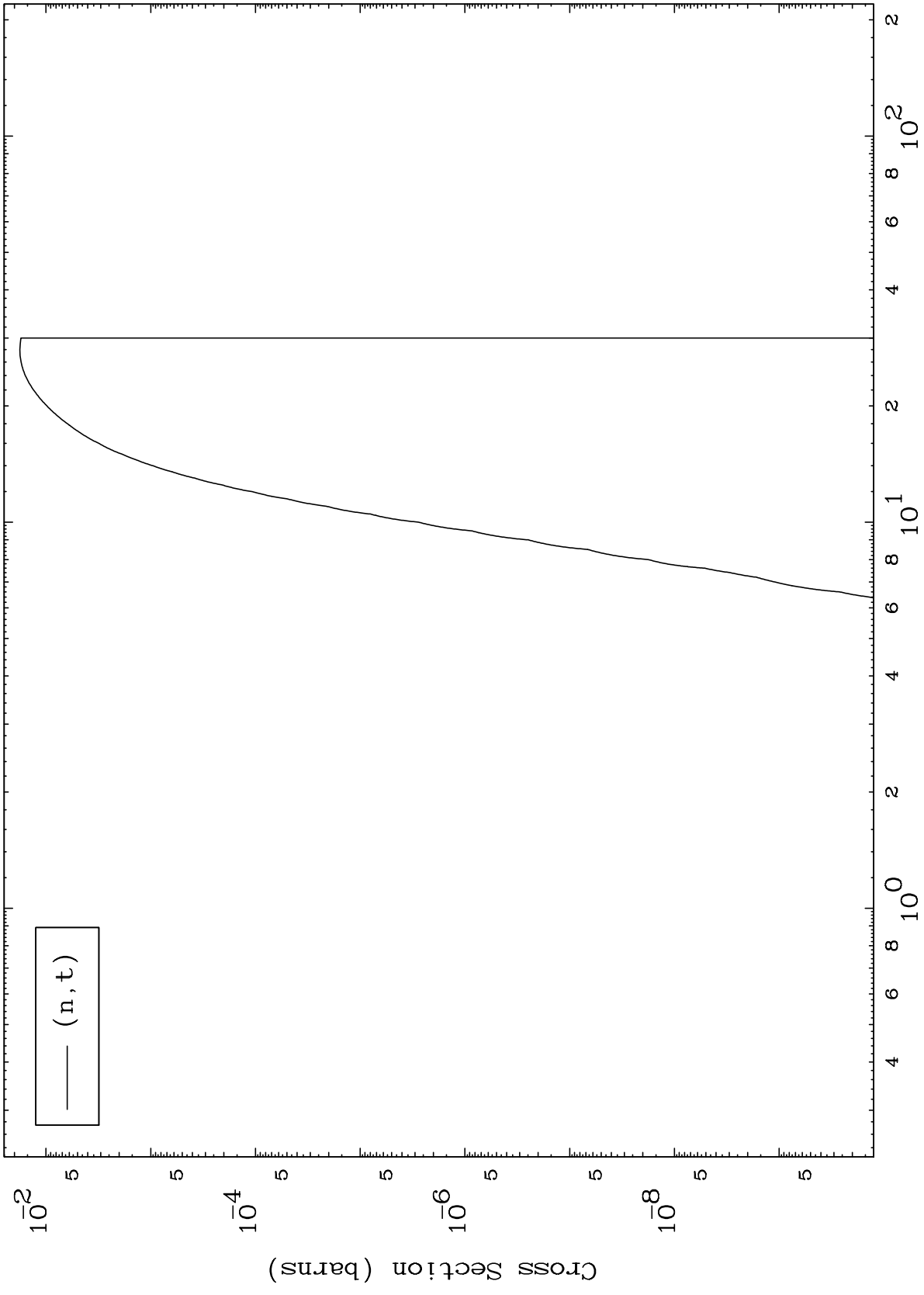
Incident Energy (MeV)

79-Au-178

MAT 7868

(n,t) Levels  
293 Kelvin Cross Sections

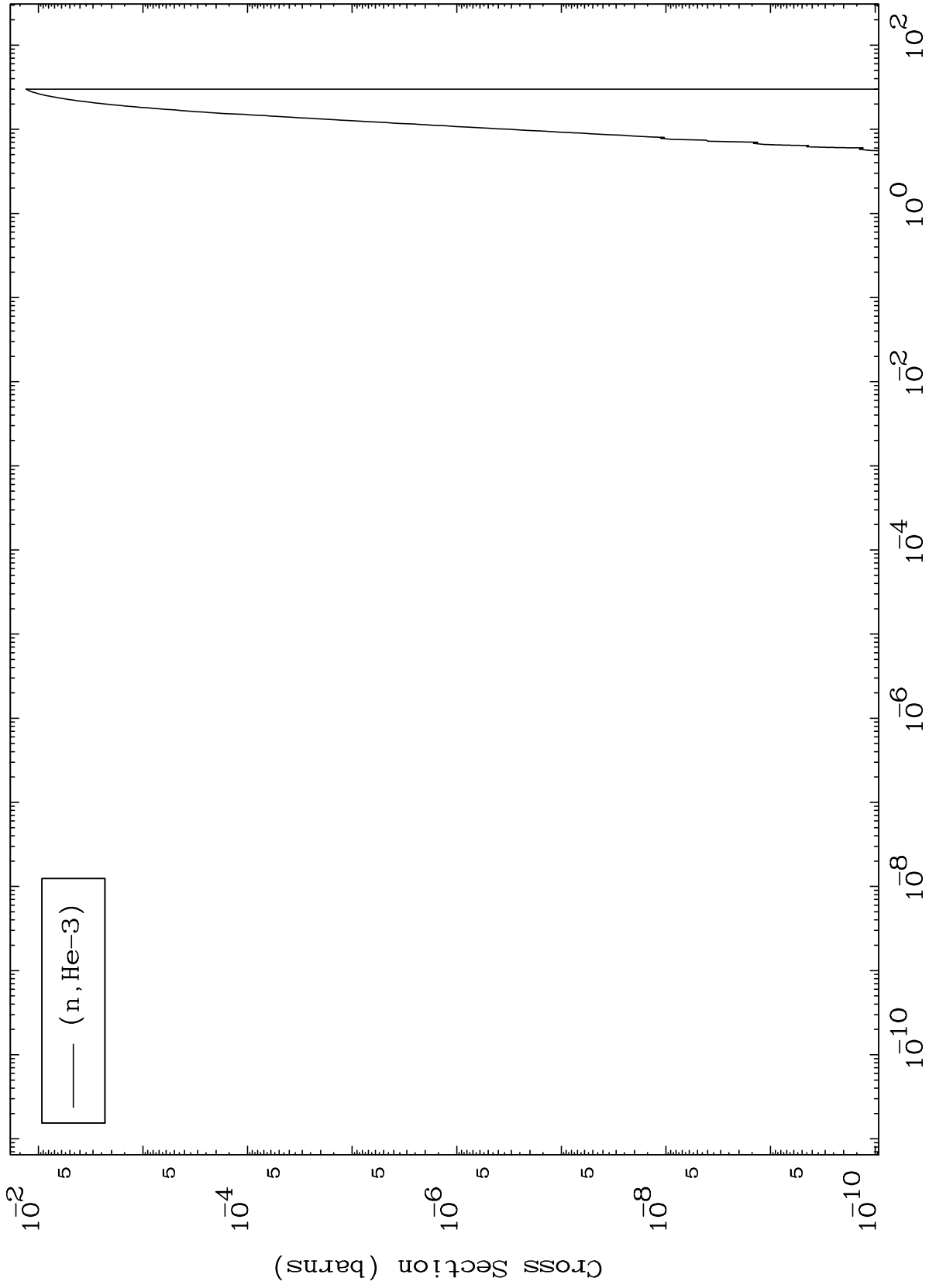
79-Au-178



MAT 7868

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-178



12

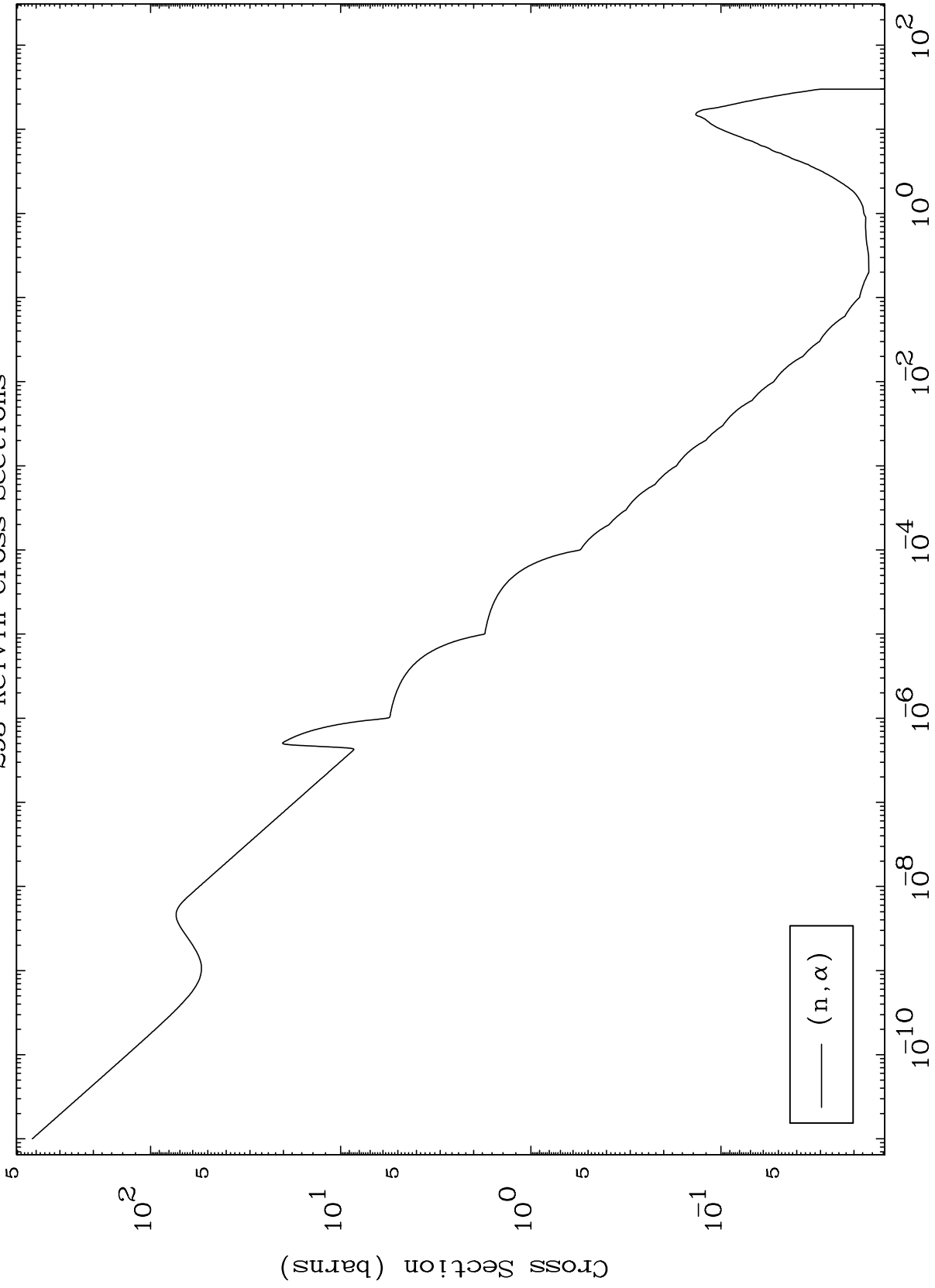
Incident Energy (MeV)

79-Au-178

MAT 7868

(n,α) Levels  
293 Kelvin Cross Sections

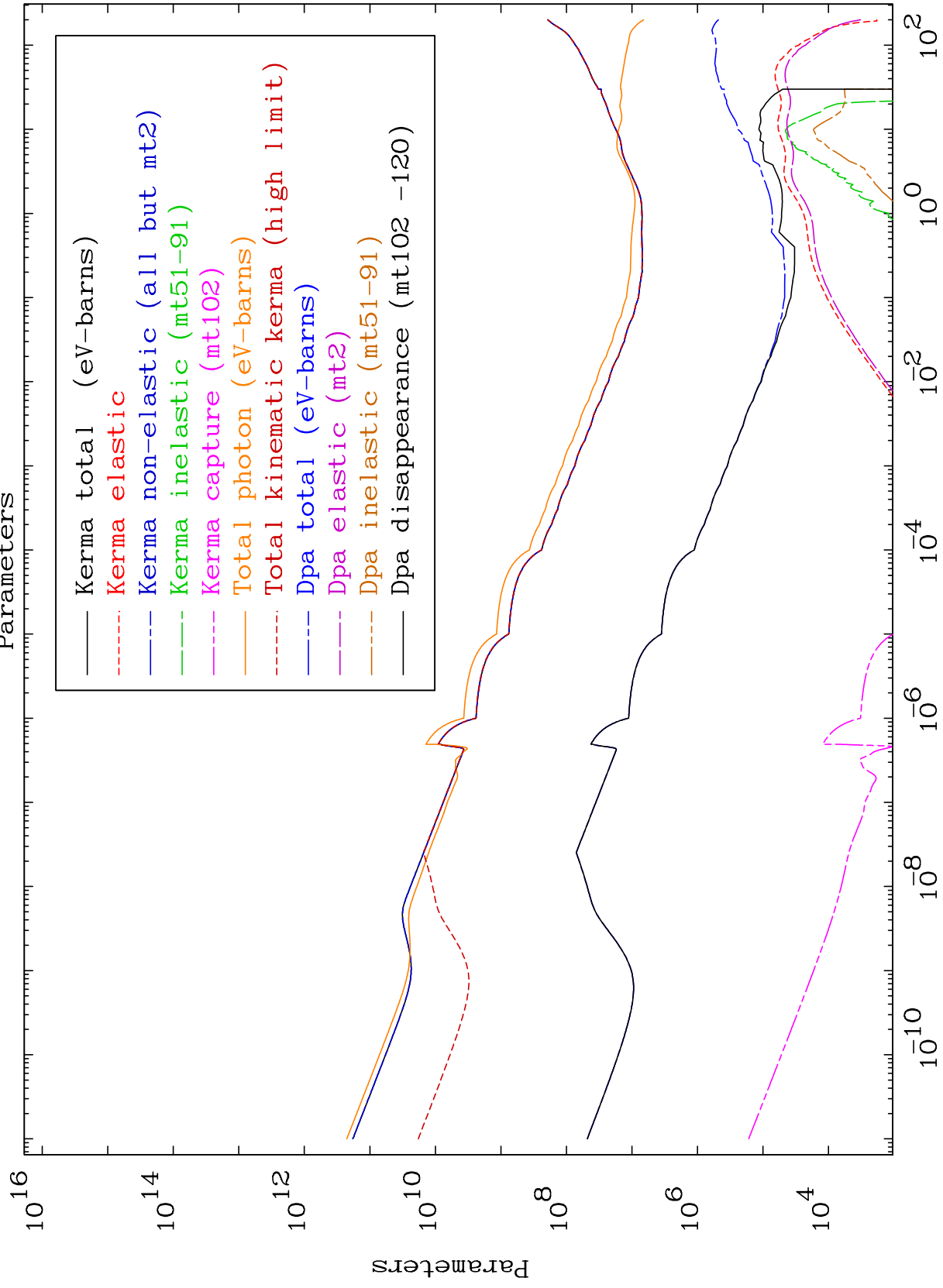
79-Au-178



13

Incident Energy (MeV)

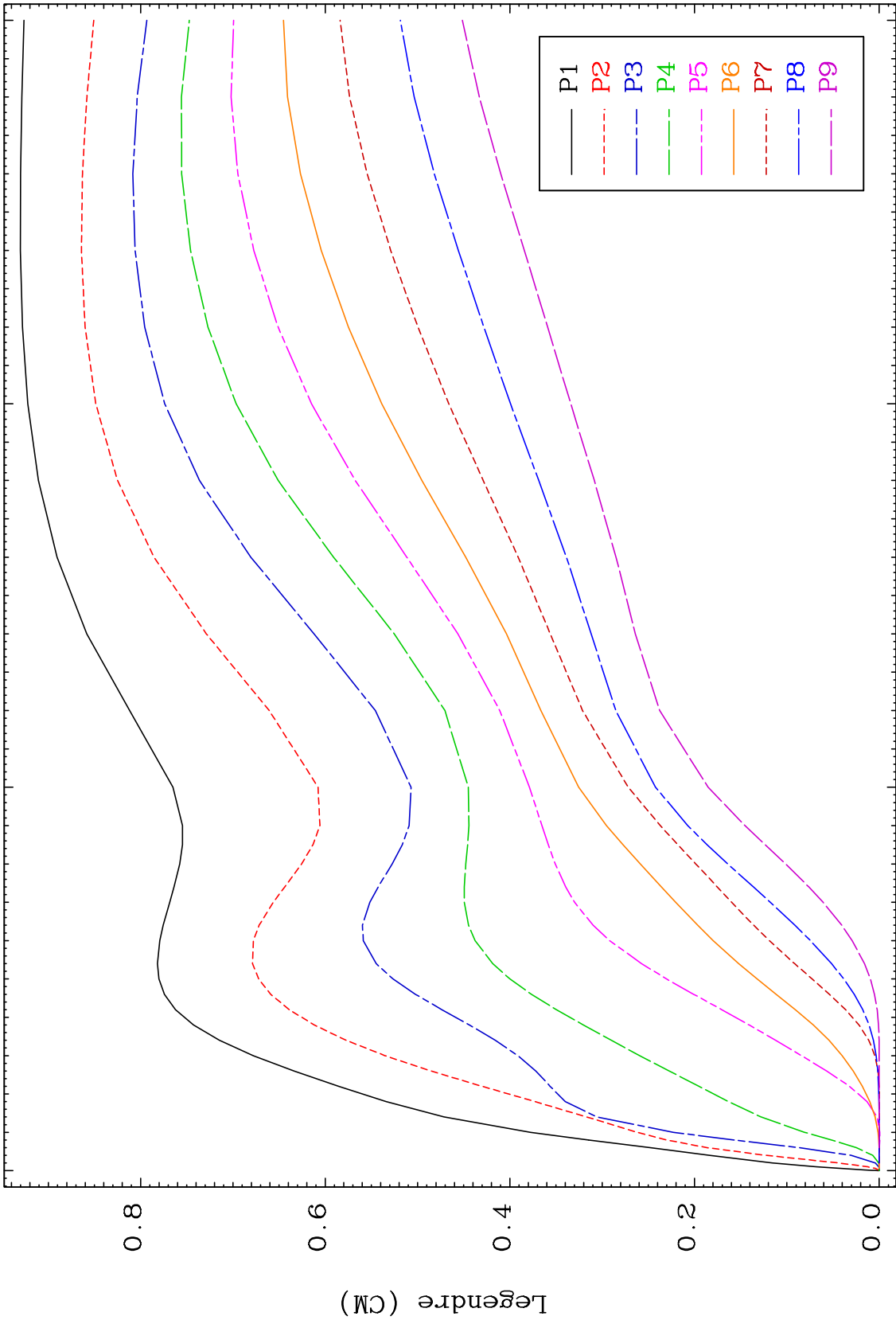
79-Au-178



MAT 7868

Elastic Legendre Coefficients

<sup>79</sup>Au-178

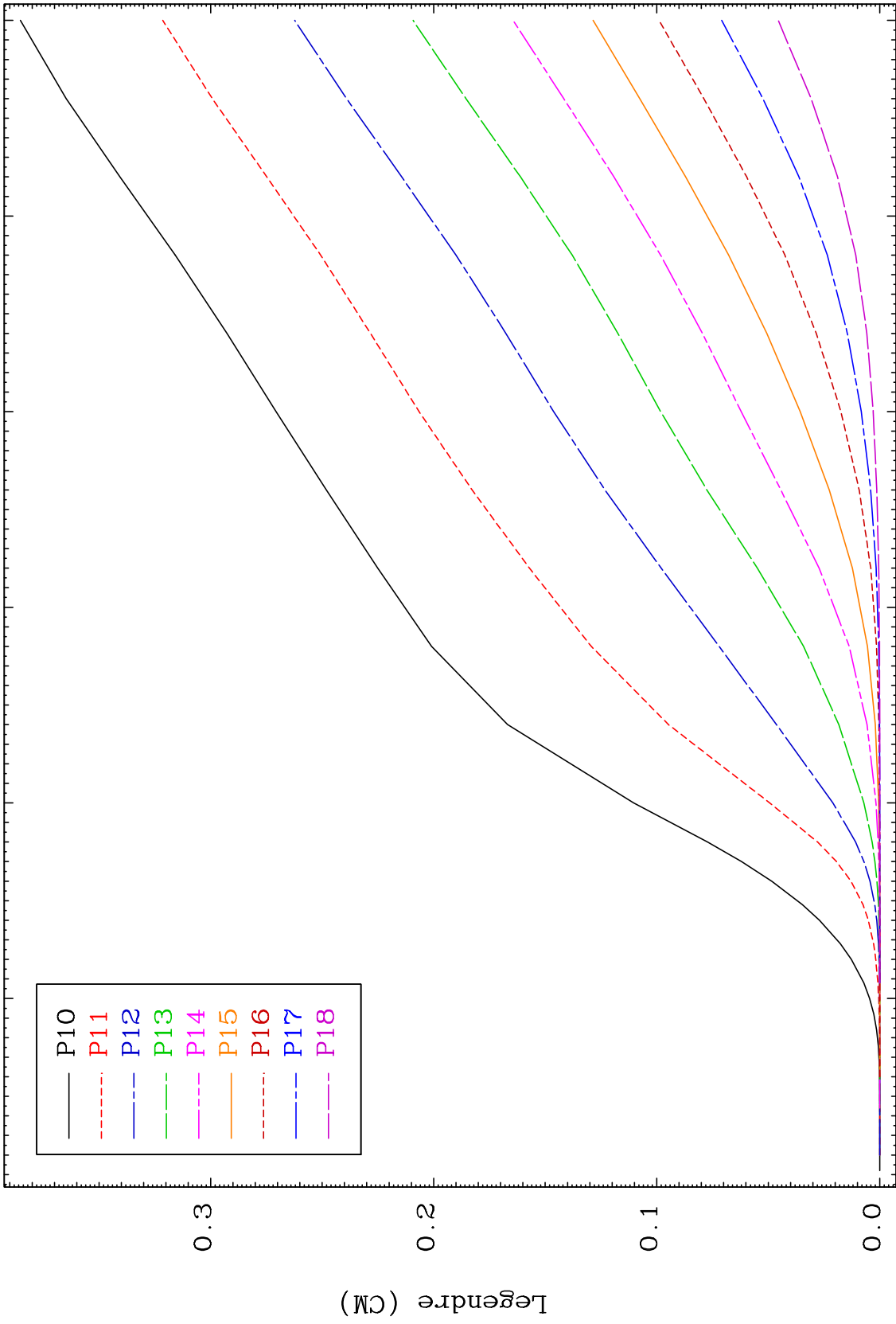




MAT 7868

Elastic Legendre Coefficients

<sup>79</sup>Au-178



16

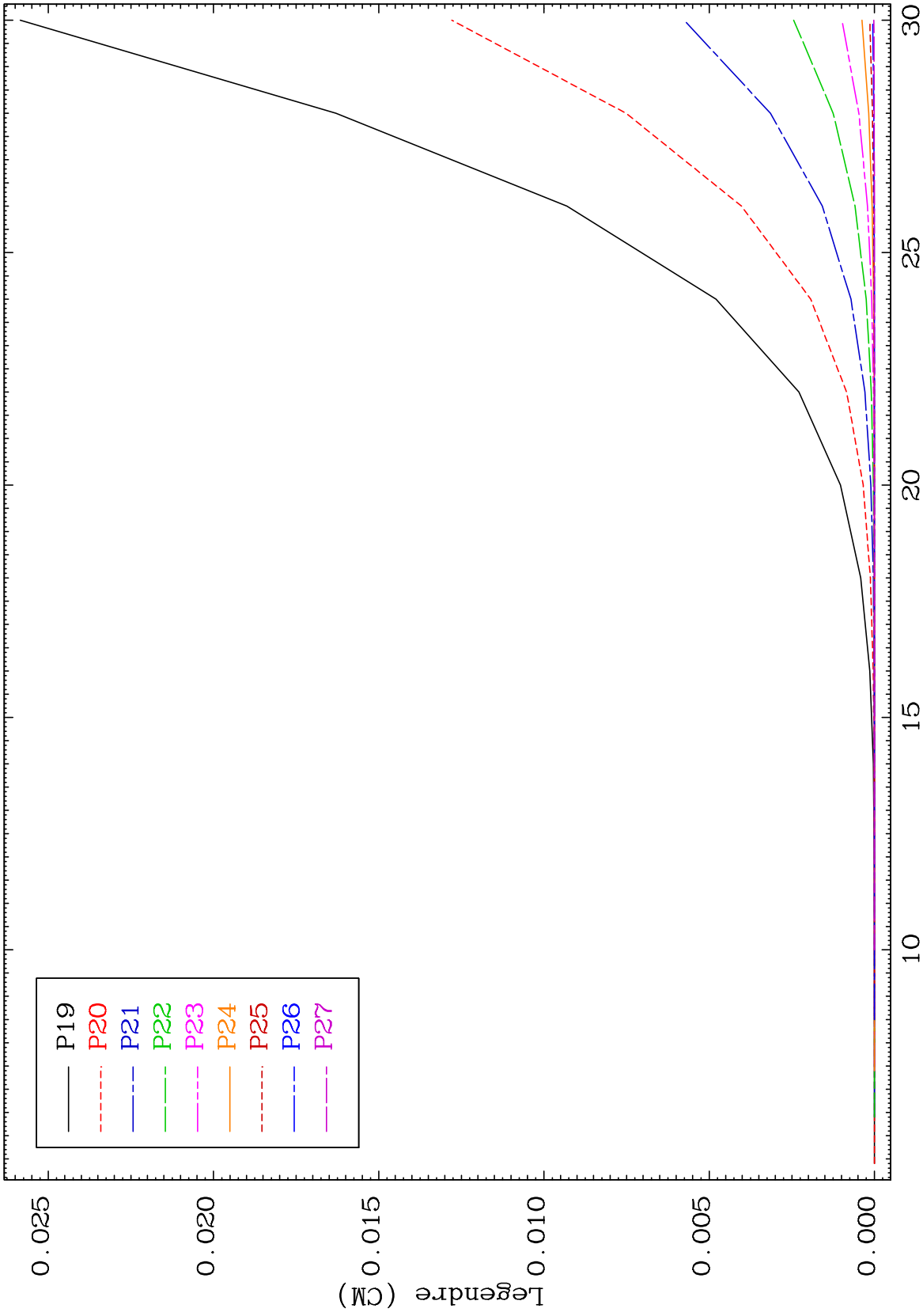
Incident Energy (MeV)

<sup>79</sup>Au-178

MAT 7868

### Elastic Legendre Coefficients

79-Au-178



17

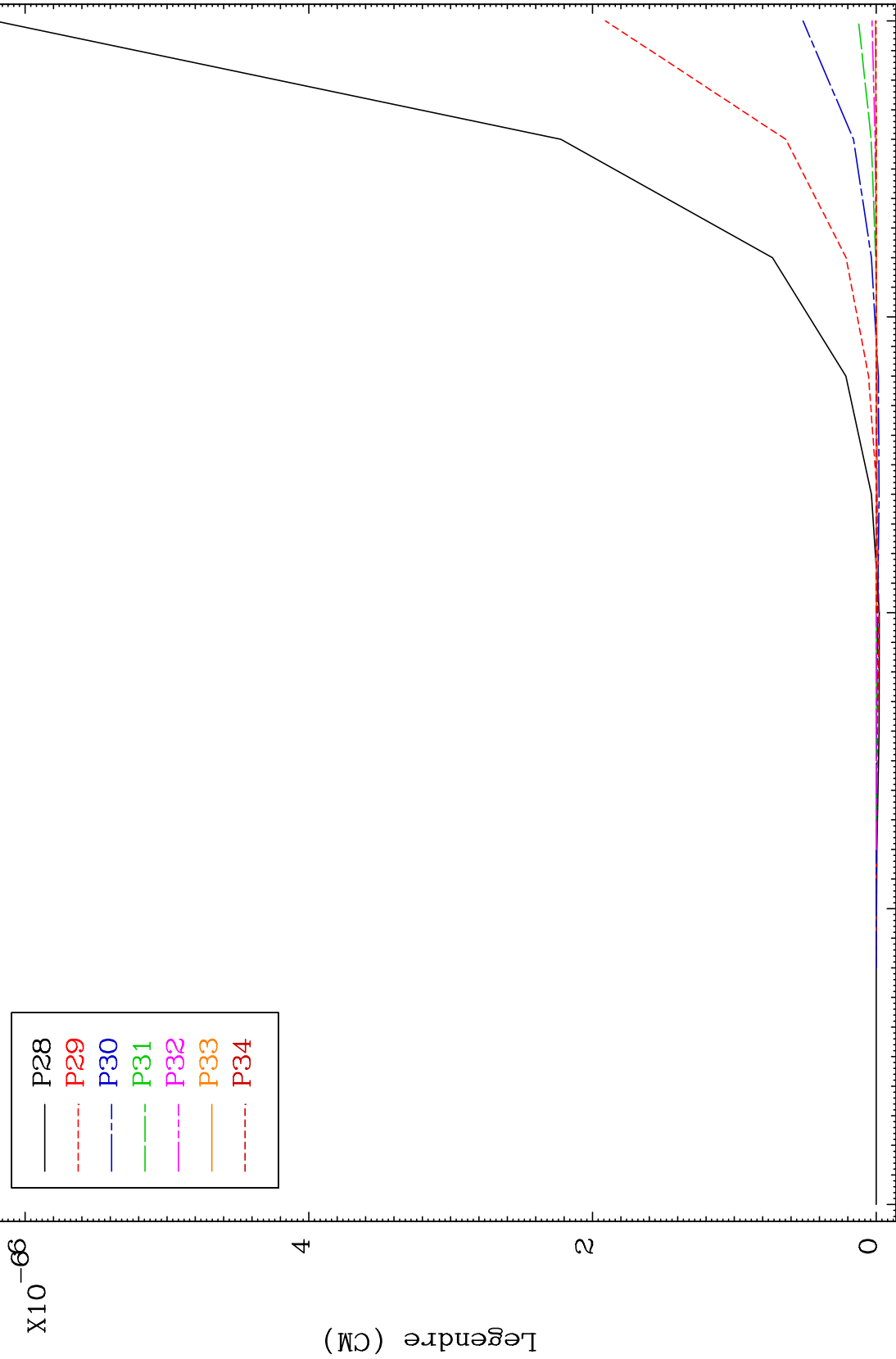
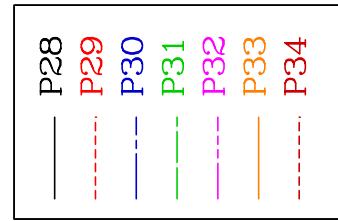
Incident Energy (MeV)

79-Au-178

MAT 7868

Elastic Legendre Coefficients

<sup>79</sup>Au-178

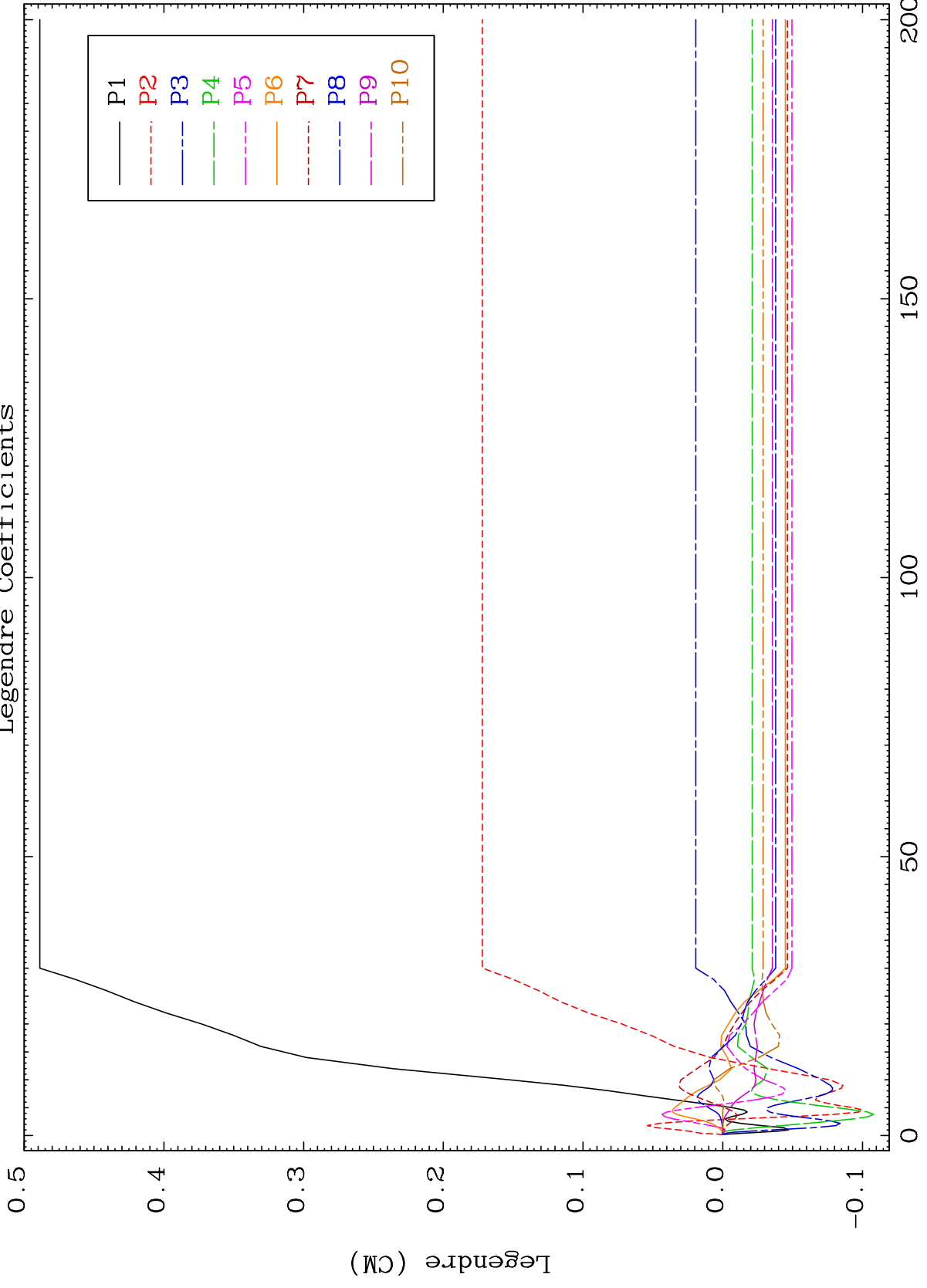


18

Incident Energy (MeV)

<sup>79</sup>Au-178

MAT 7868 MT= 51 (n,n') Level Legendre Coefficients 79-Au-178

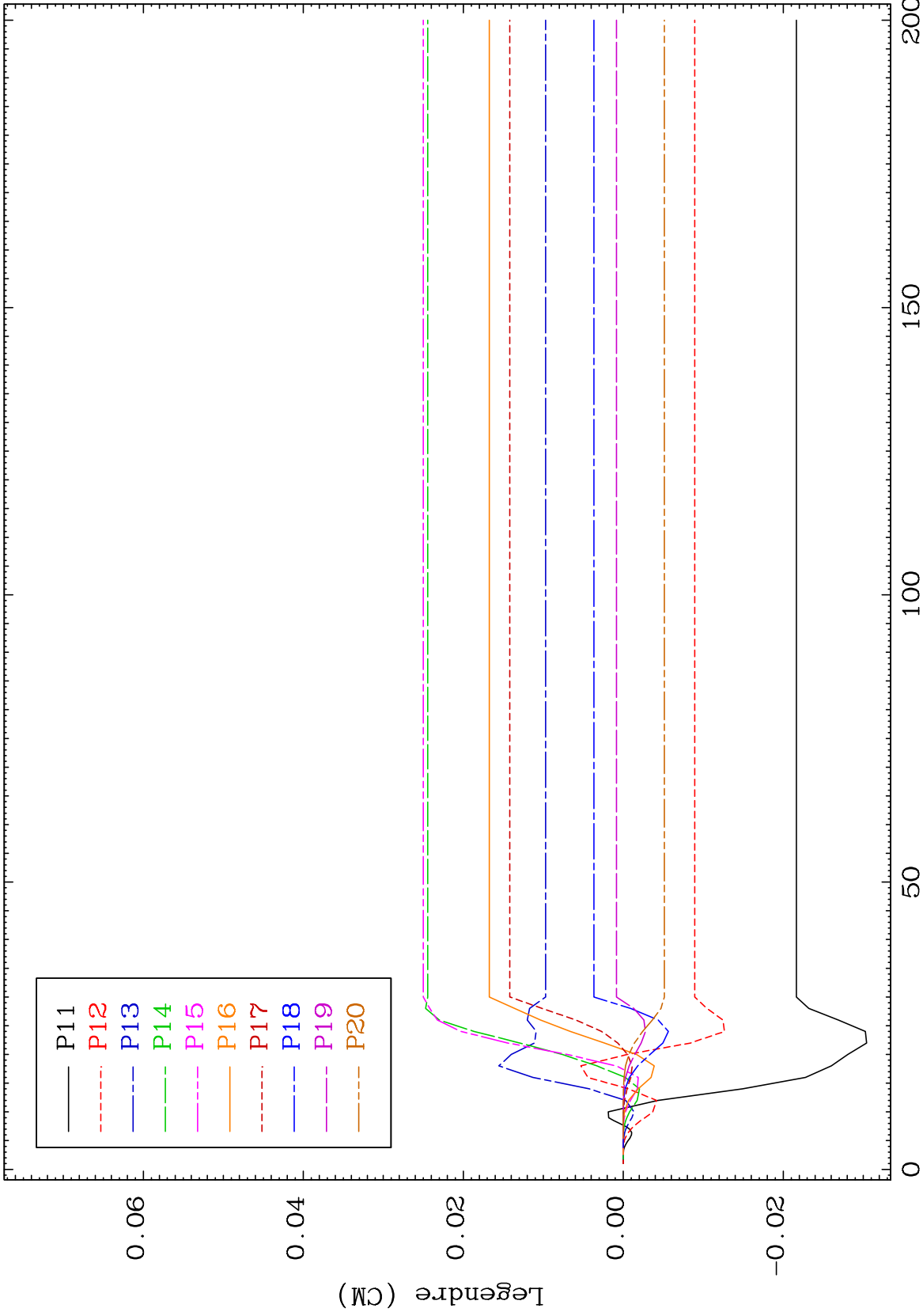


19 79-Au-178

MAT 7868

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

79-Au-178



20

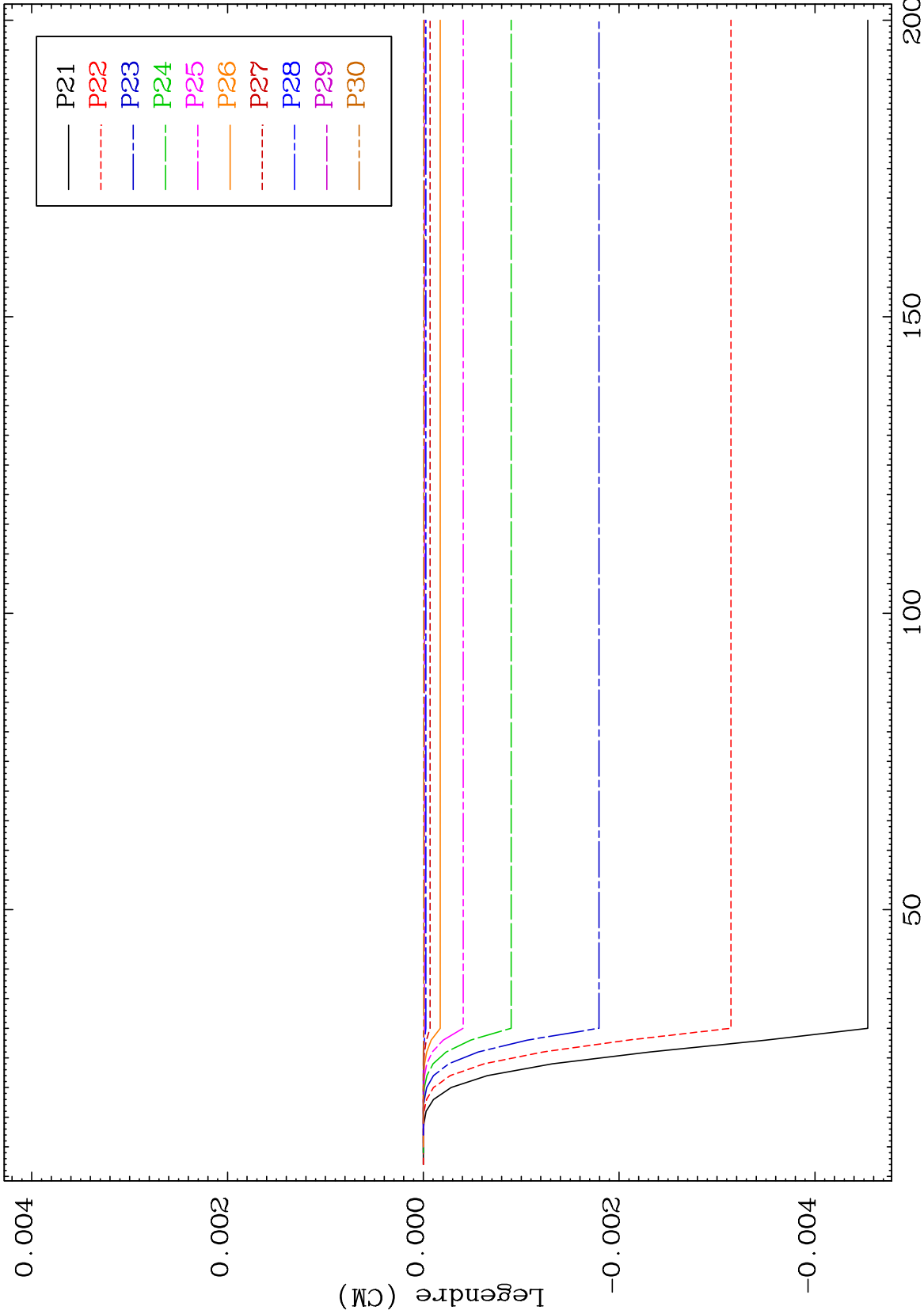
Incident Energy (MeV)

79-Au-178

MAT 7868

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

79-Au-178



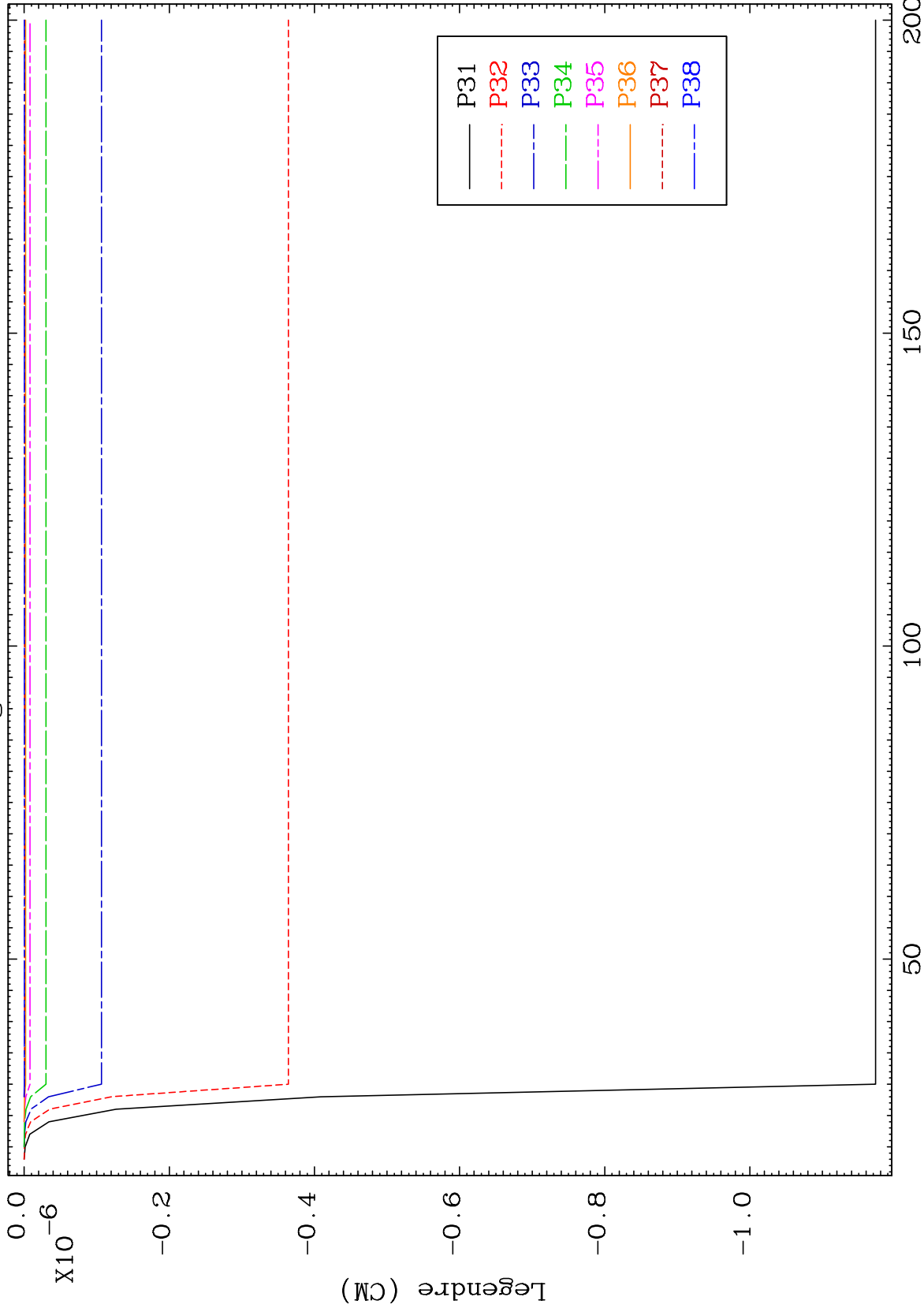
21

79-Au-178

MAT 7868

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

79-Au-178



22

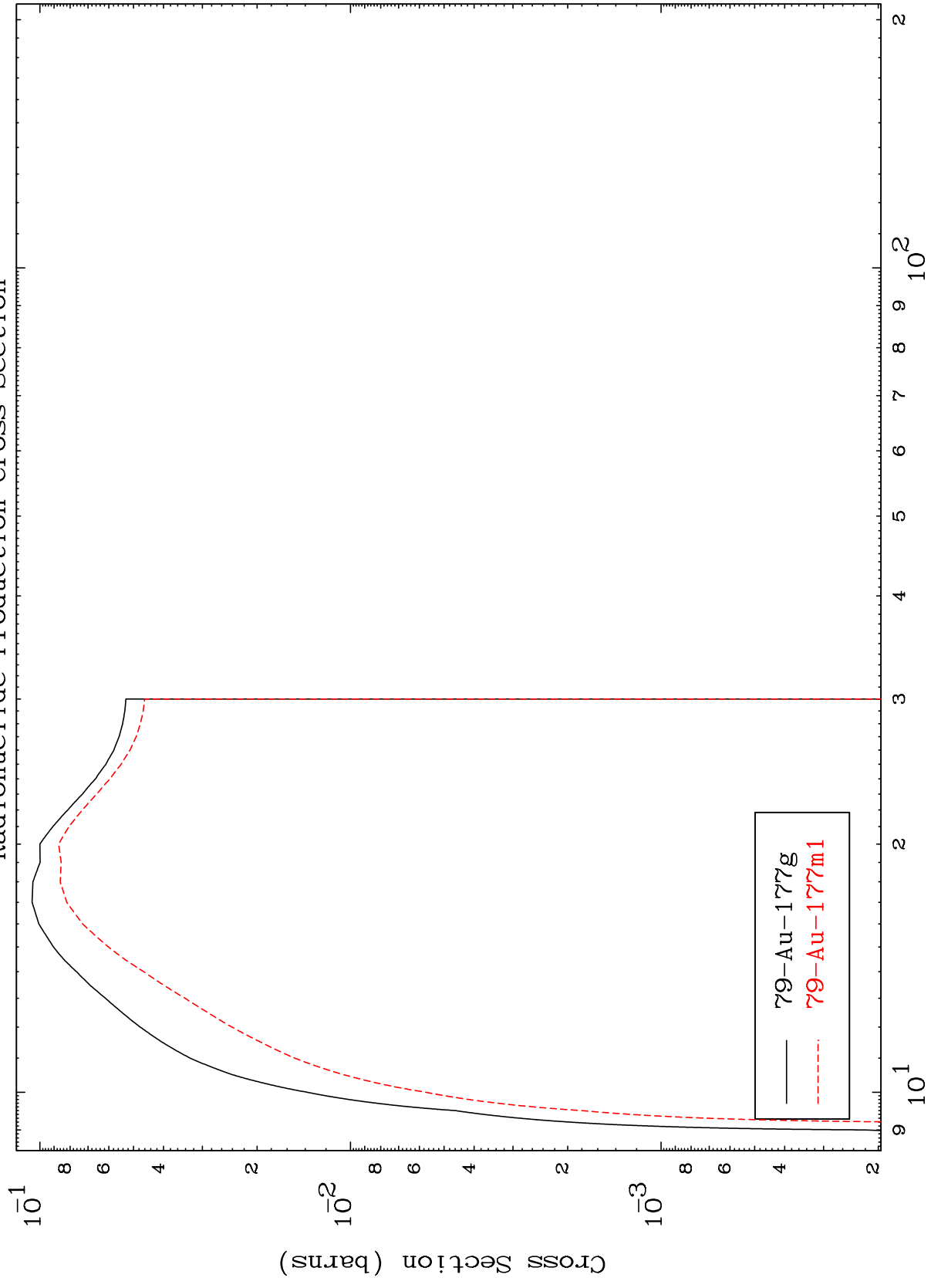
Incident Energy (MeV)

79-Au-178

MAT 7868

<sup>79</sup>Au-178

Radionuclide Production Cross Section  
(n,2n)



23

<sup>79</sup>Au-178

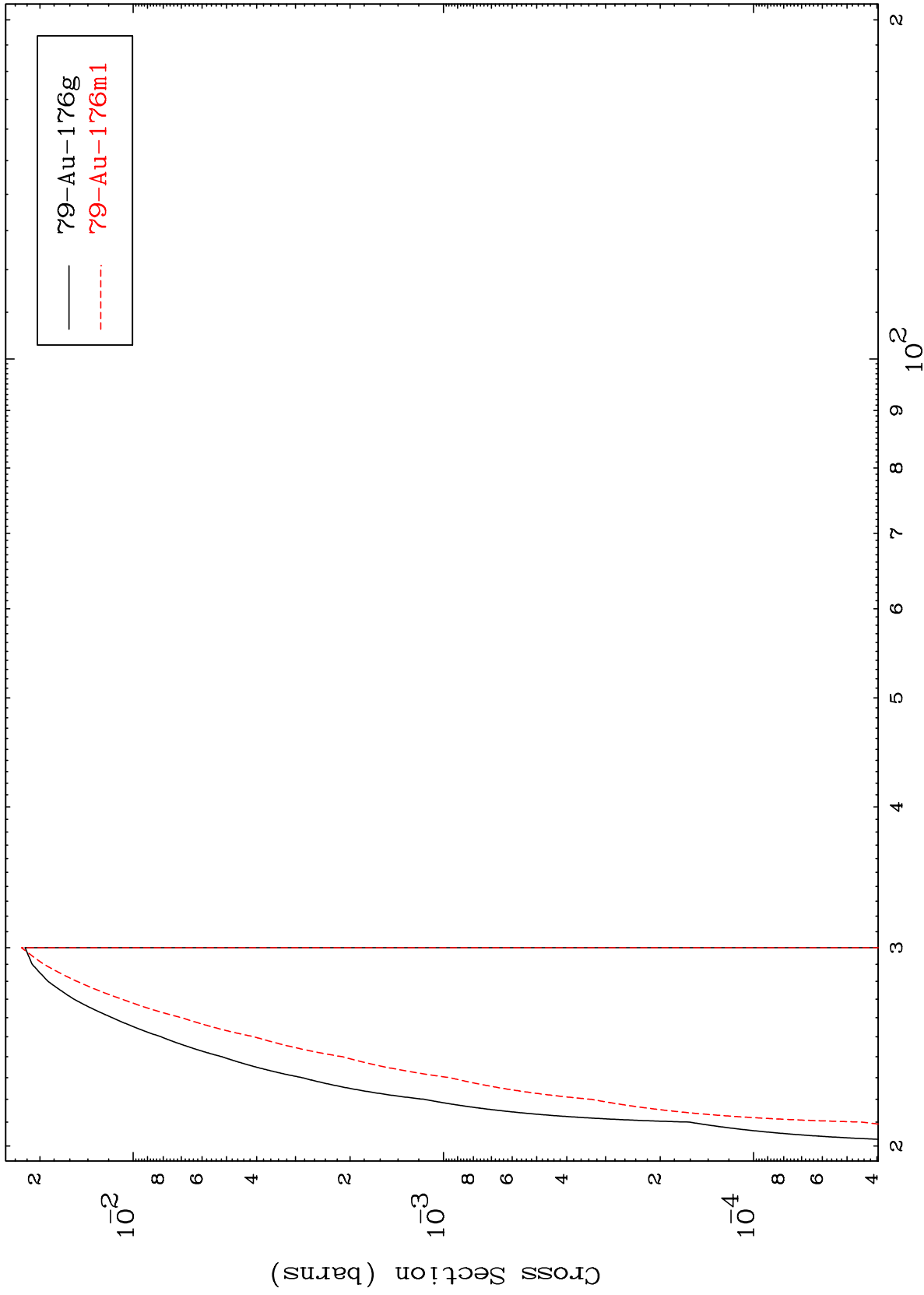


MAT 7868

(n,3n)

<sup>79</sup>Au-178

Radionuclide Production Cross Section



24

Incident Energy (MeV)

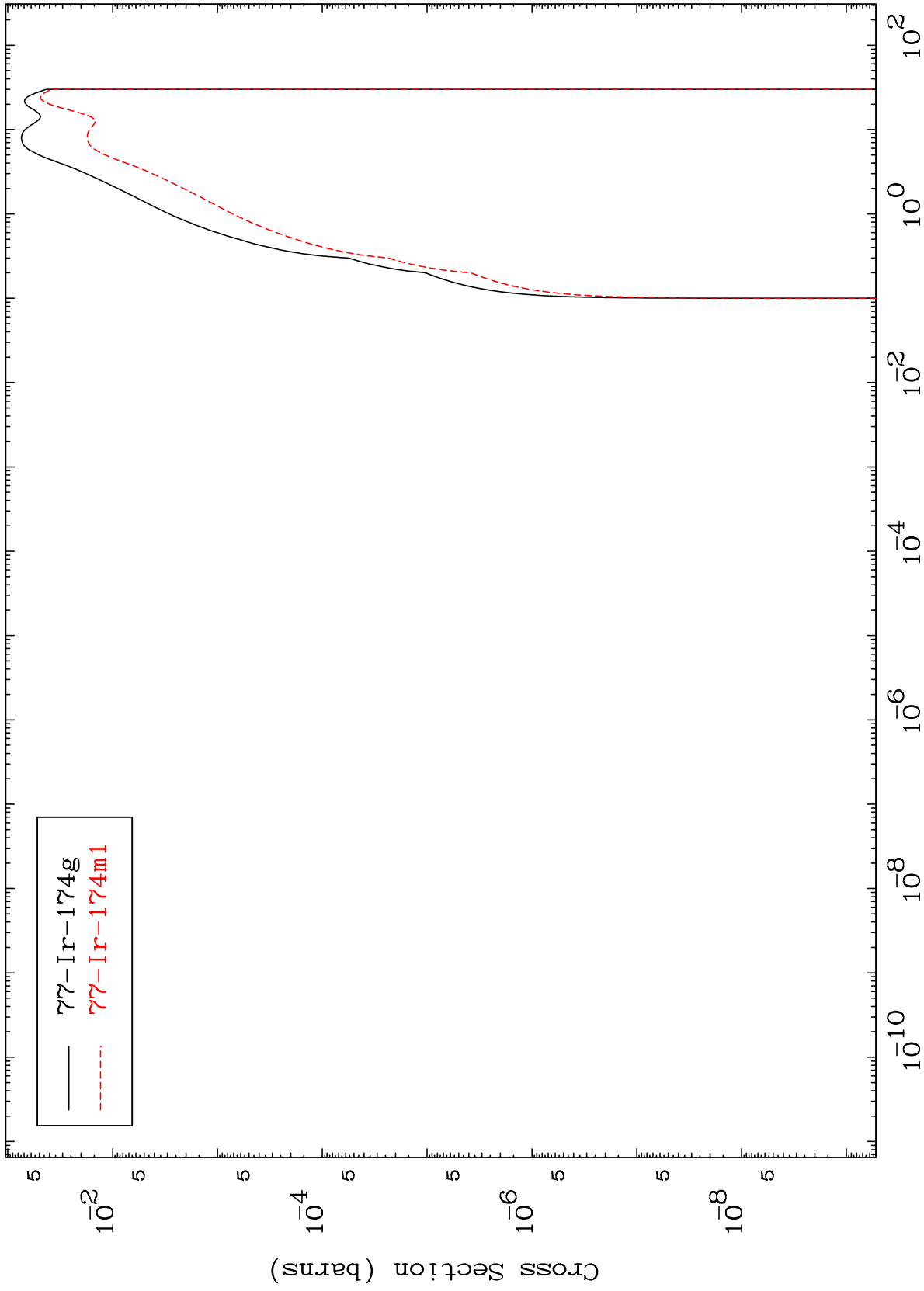
<sup>79</sup>Au-178

MAT 7868

(n,n')  $\alpha$

79-Au-178

Radionuclide Production Cross Section



25

Incident Energy (MeV)

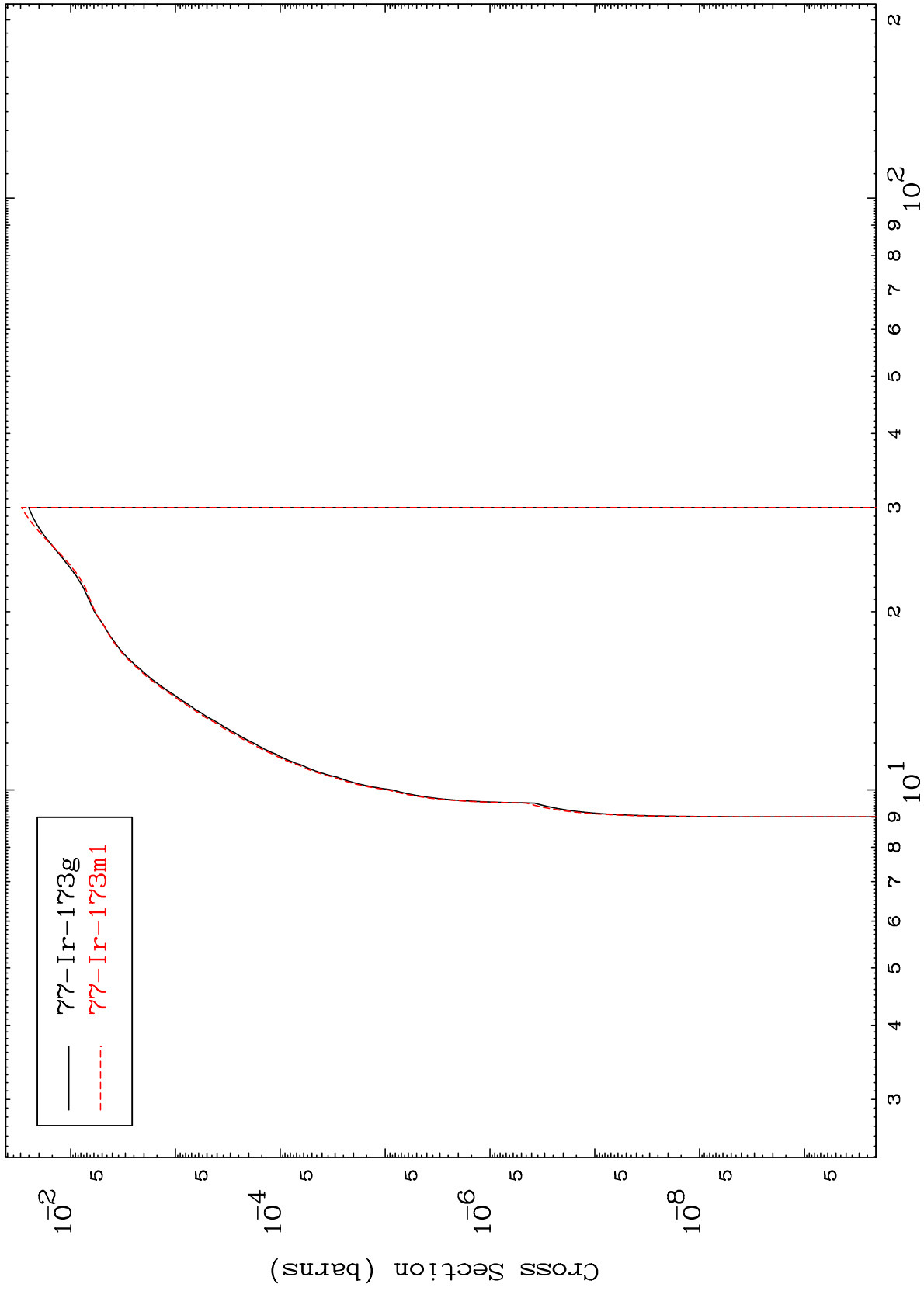
79-Au-178

MAT 7868

(n,2n)  $\alpha$

<sup>79</sup>Au-178

Radionuclide Production Cross Section



26

Incident Energy (MeV)

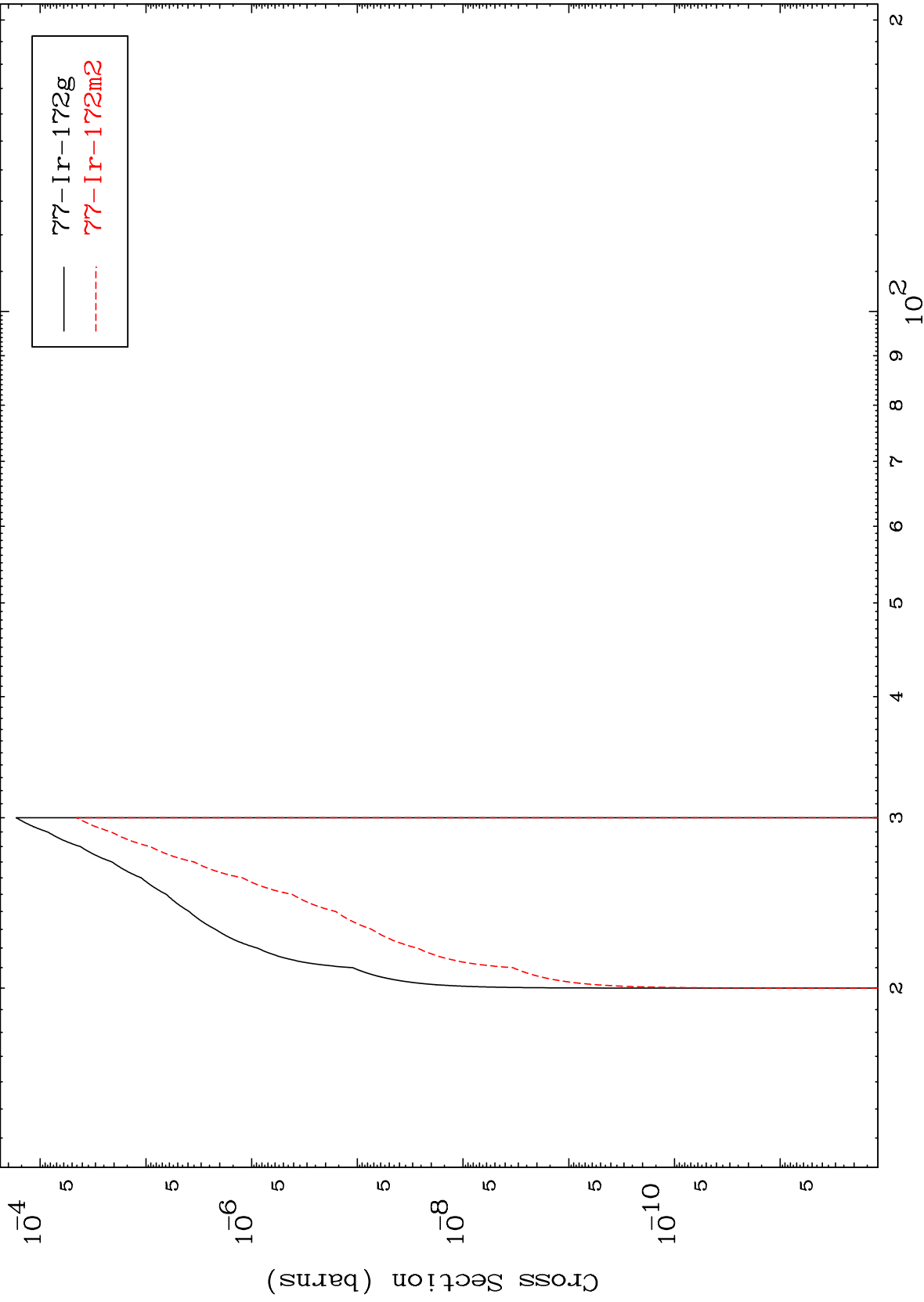
<sup>79</sup>Au-178

MAT 7868

(n,3n)  $\alpha$

<sup>79</sup>Au-178

Radionuclide Production Cross Section



27

Incident Energy (MeV)

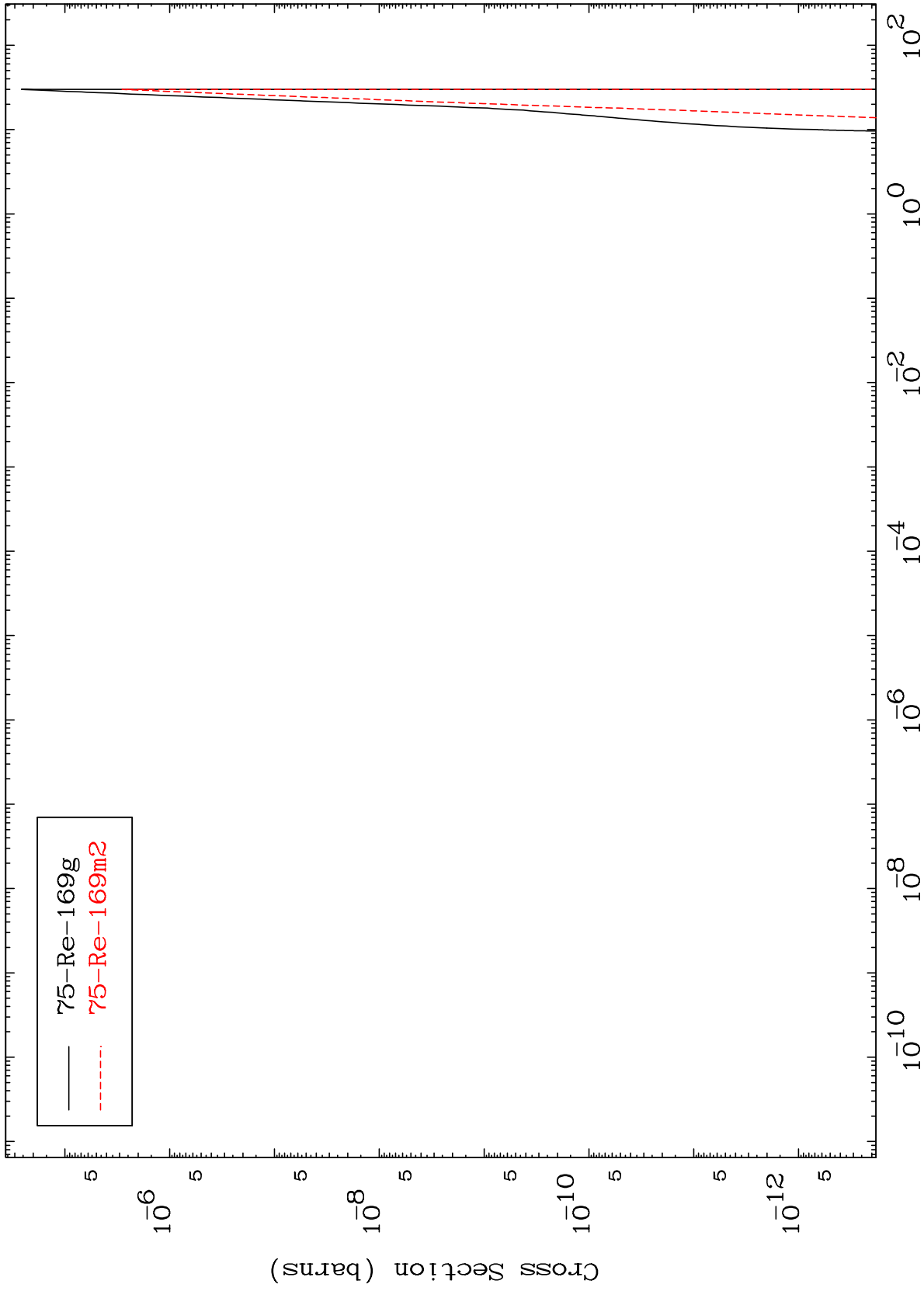
<sup>79</sup>Au-178

MAT 7868

(n,2n) 2 $\alpha$

<sup>79</sup>Au-178

Radionuclide Production Cross Section



28

Incident Energy (MeV)

<sup>79</sup>Au-178