

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

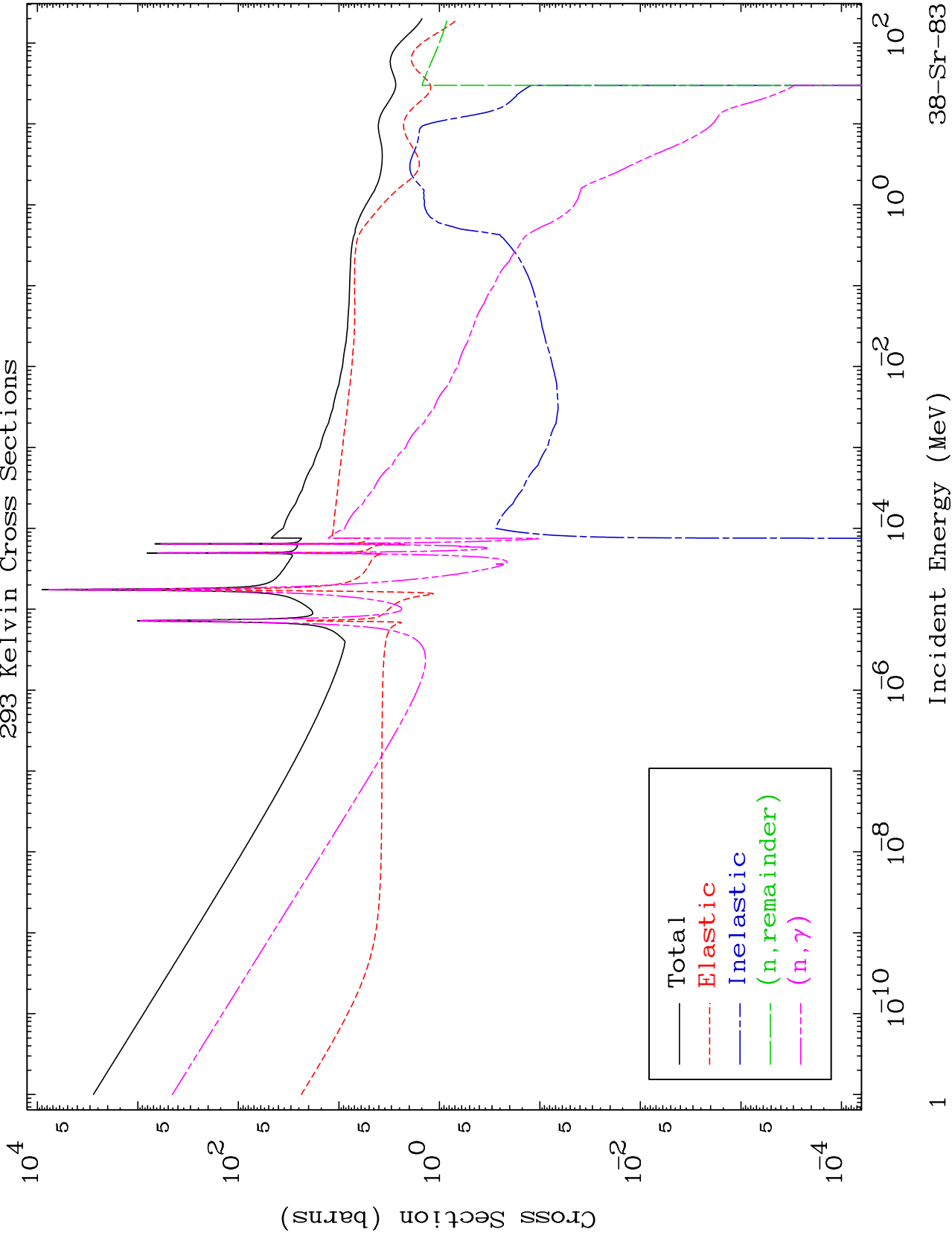
Press Mouse Button to Start

MAT 3823

Major

293 Kelvin Cross Sections

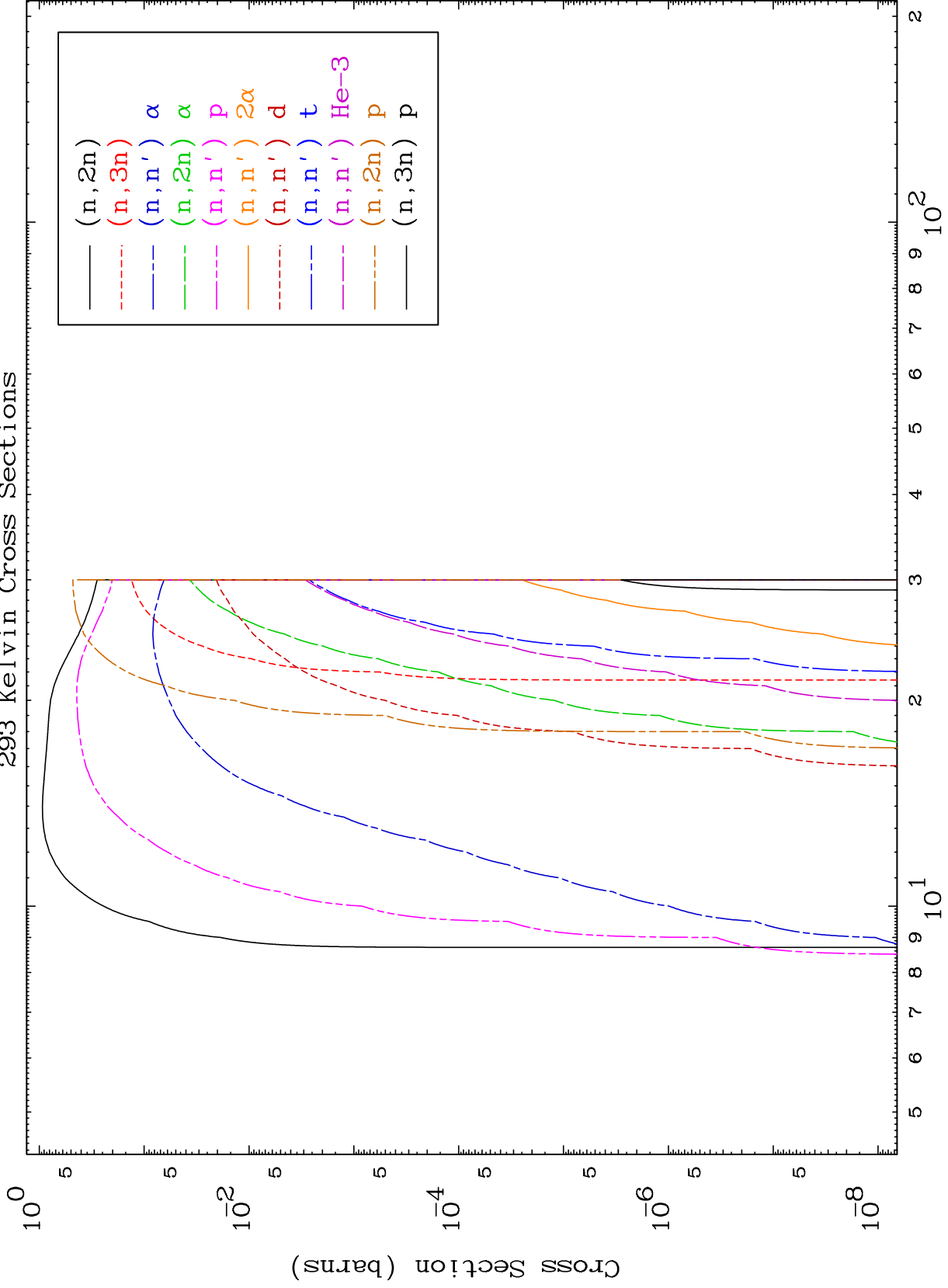
38-Sr-83



1

Incident Energy (MeV)

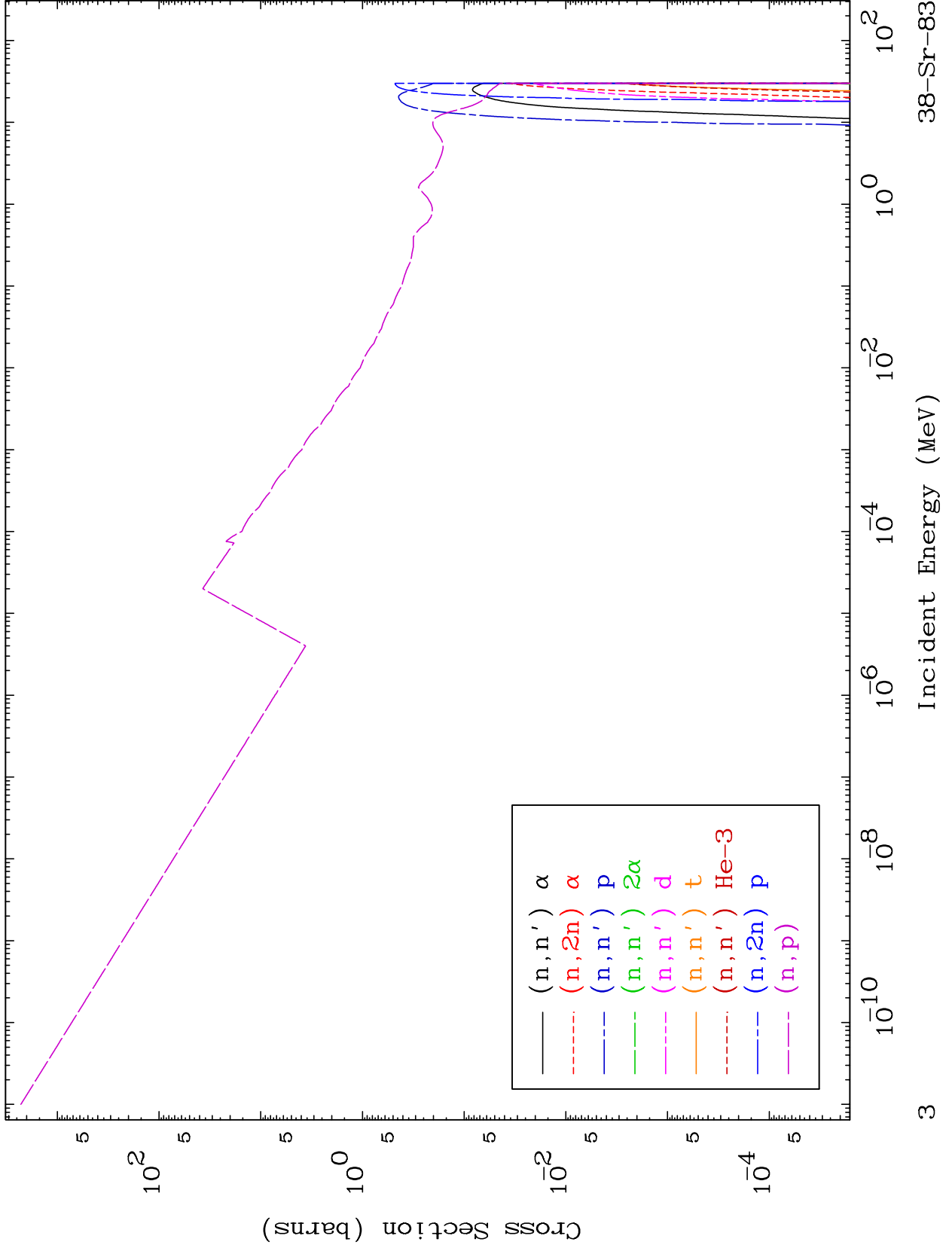
38-Sr-83



MAT 3823

Charged Particle
293 Kelvin Cross Sections

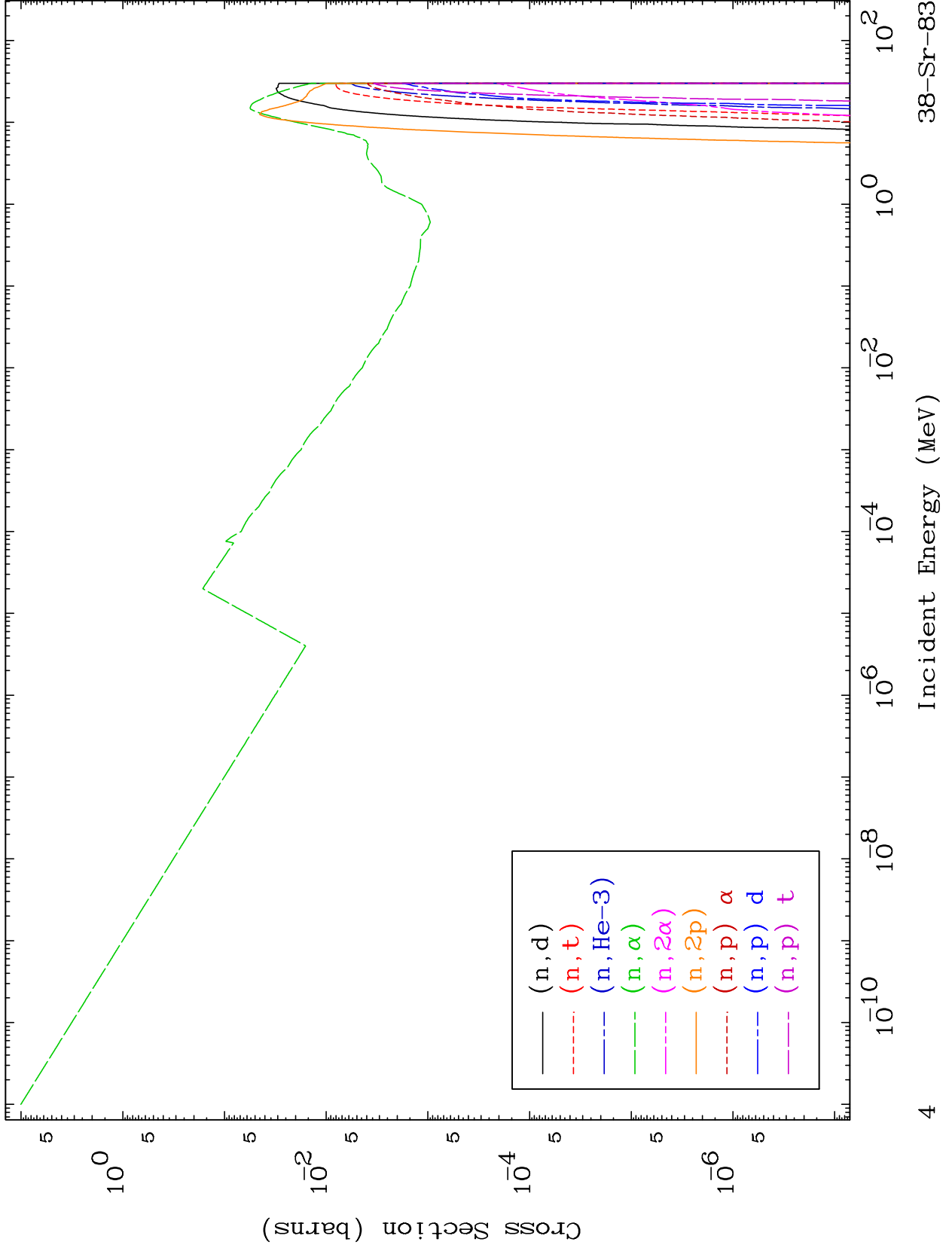
38-Sr-83



MAT 3823

Charged Particle
293 Kelvin Cross Sections

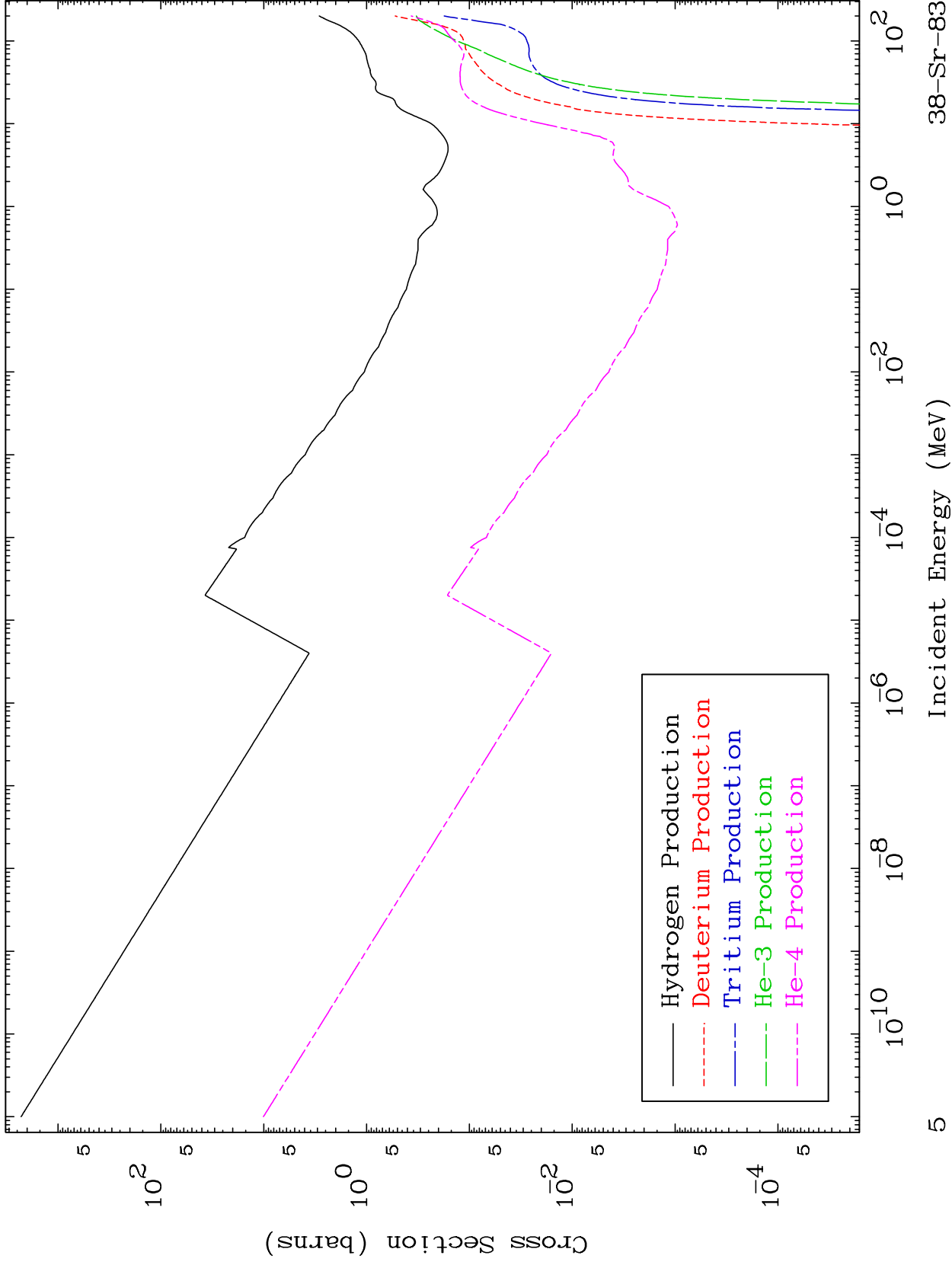
38-Sr-83



MAT 3823

Particle Production
293 Kelvin Cross Sections

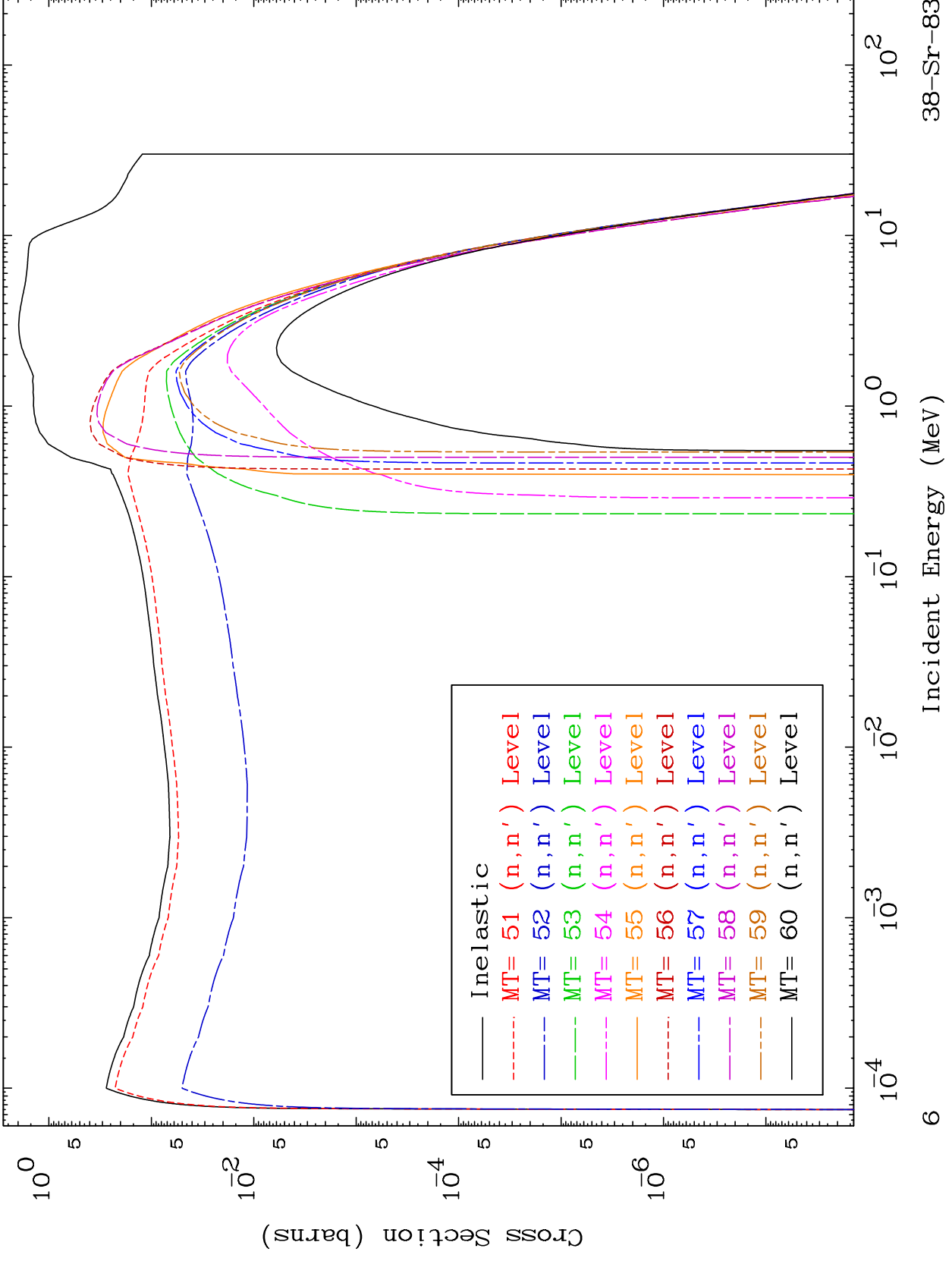
38-Sr-83



MAT 3823

293 Kelvin Cross Sections
(n,n') Level

38-Sr-83



38-Sr-83

Incident Energy (MeV)

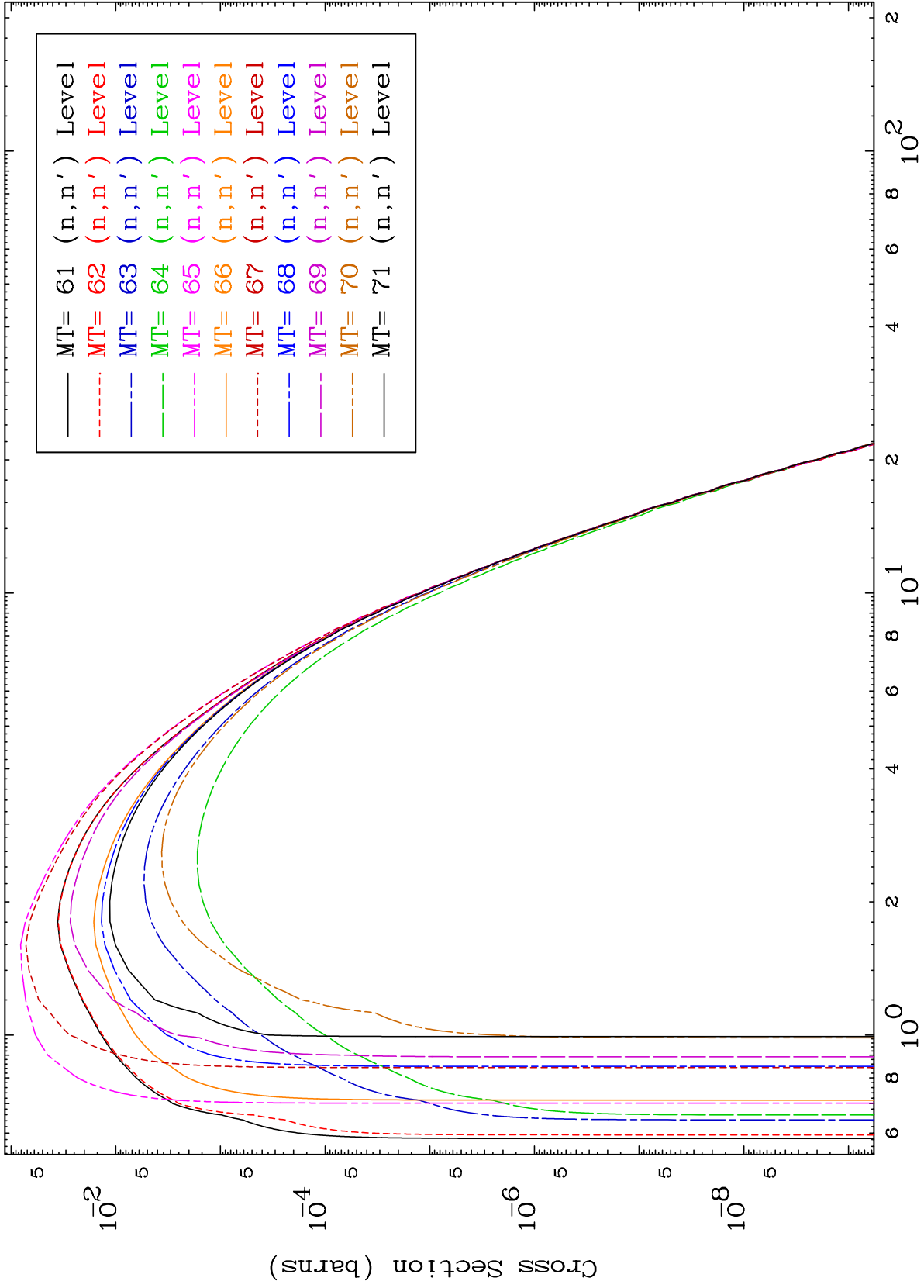
6

MAT 3823

(n,n') Level

38-Sr-83

293 Kelvin Cross Sections

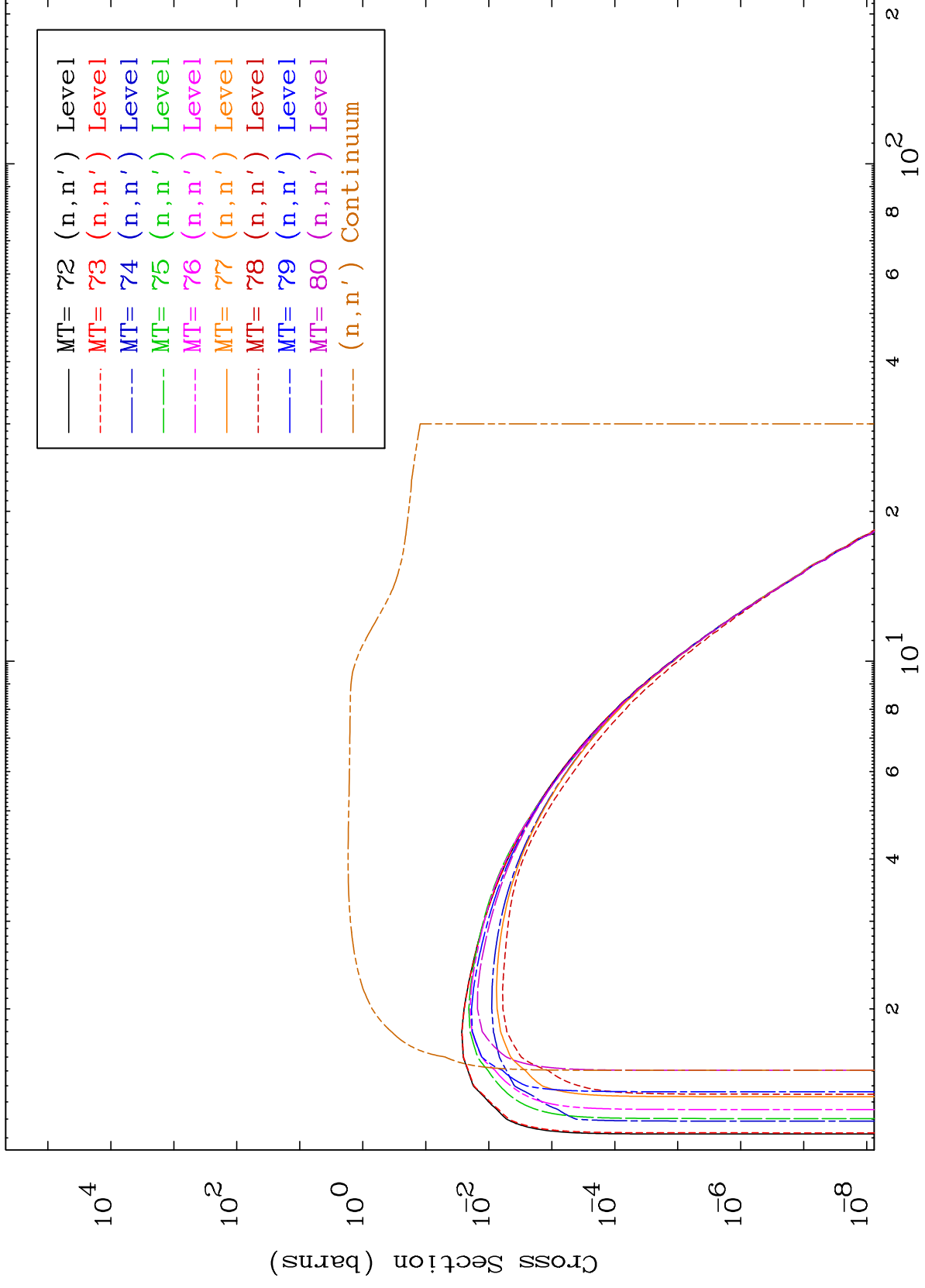


7

Incident Energy (MeV)

38-Sr-83

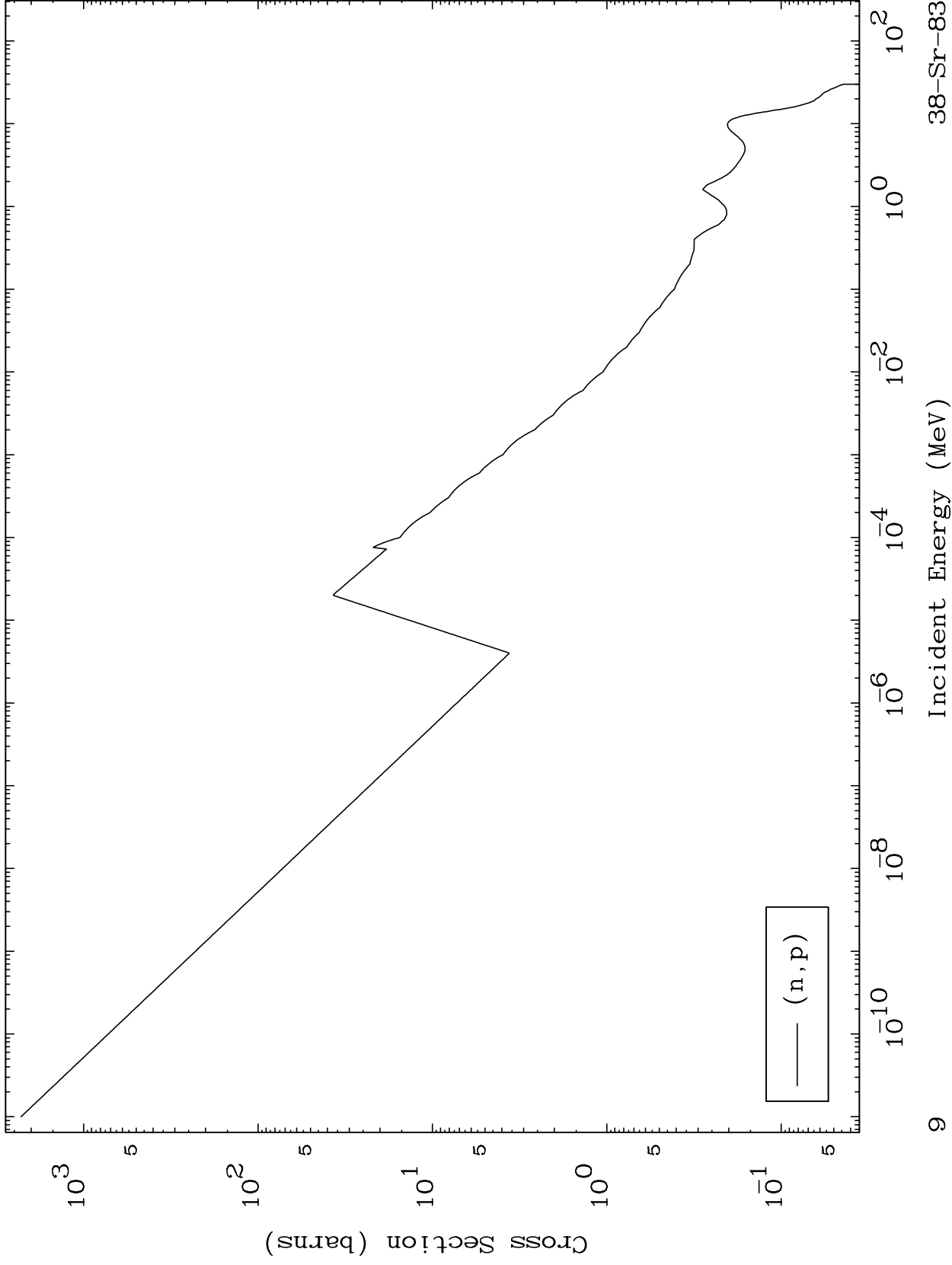
293 Kelvin Cross Sections



MAT 3823

(n,p) Levels
293 Kelvin Cross Sections

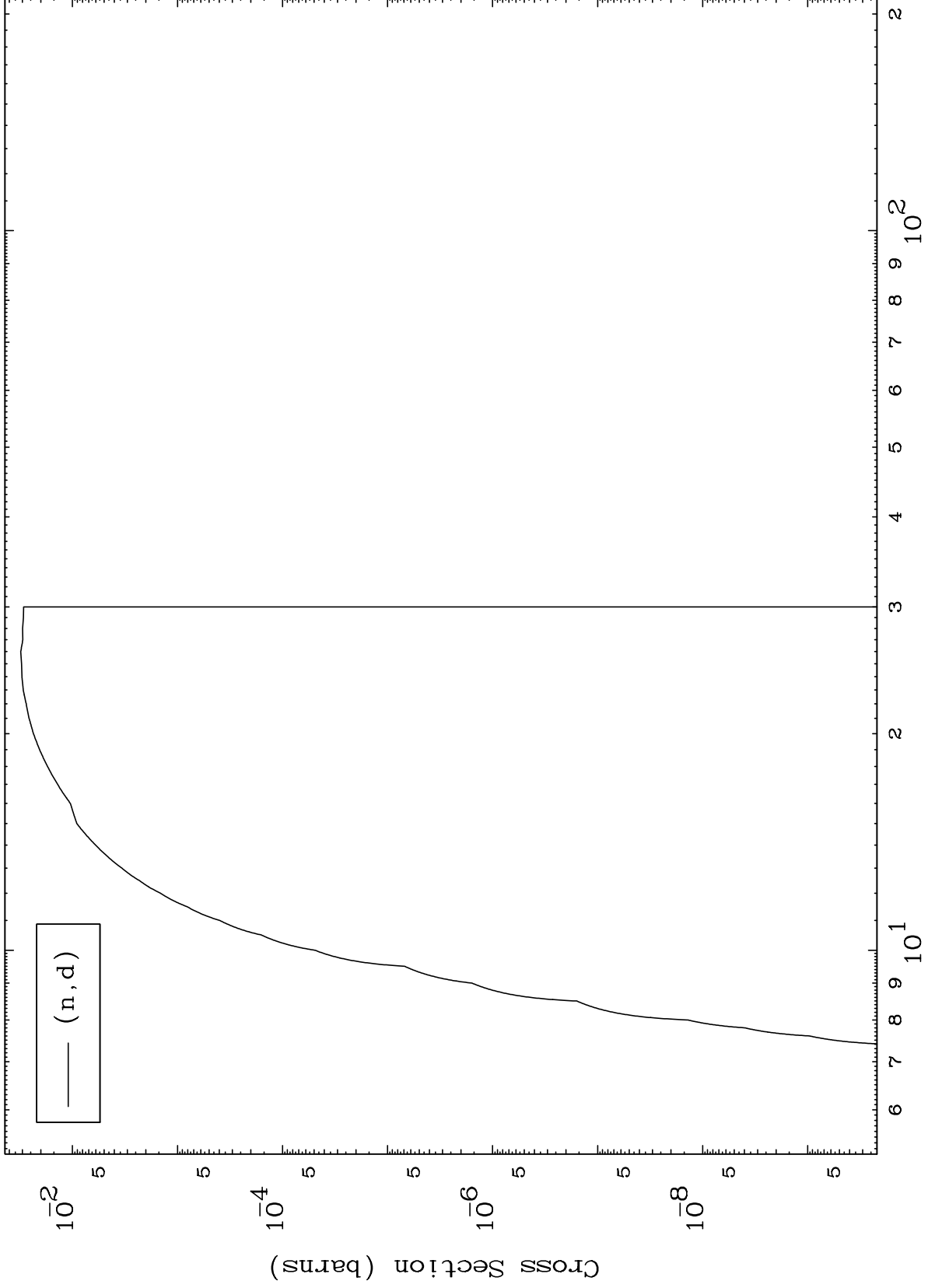
38-Sr-83



MAT 3823

(n,d) Levels
293 Kelvin Cross Sections

38-Sr-83



10

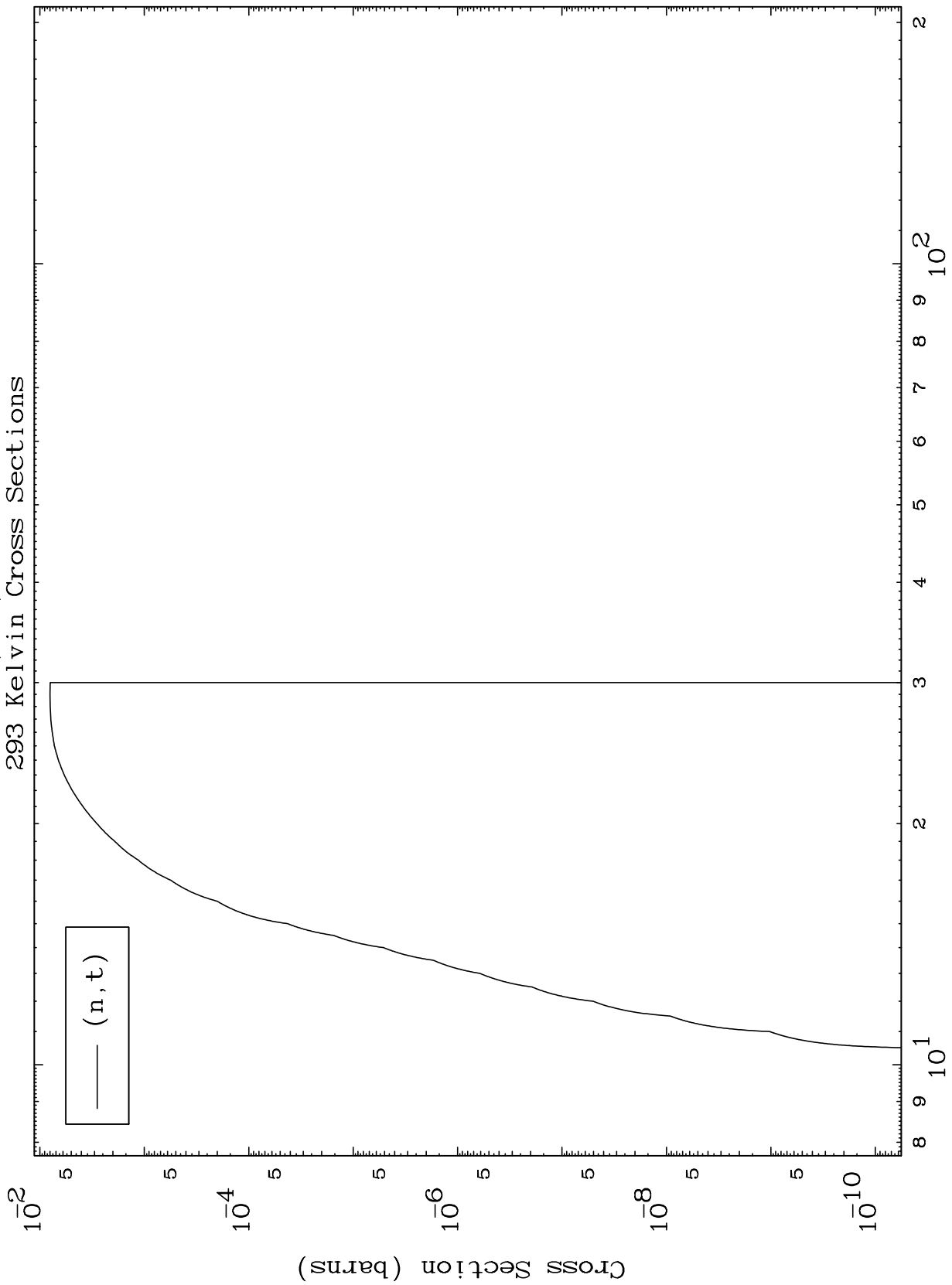
Incident Energy (MeV)

38-Sr-83

MAT 3823

38-Sr-83

(n,t) Levels
293 Kelvin Cross Sections



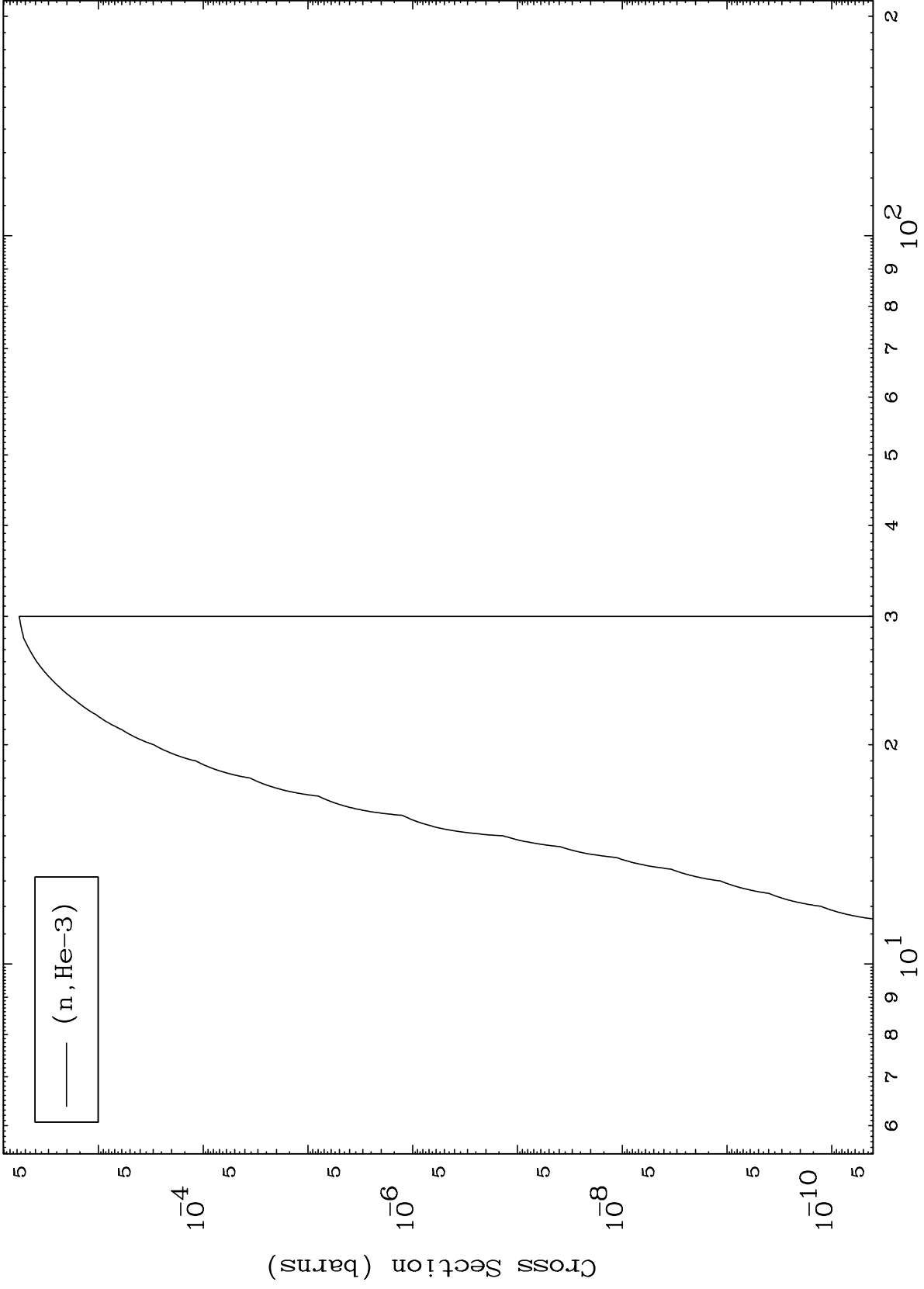
38-Sr-83

Incident Energy (MeV)

MAT 3823

(n,He3) Levels
293 Kelvin Cross Sections

38-Sr-83



12

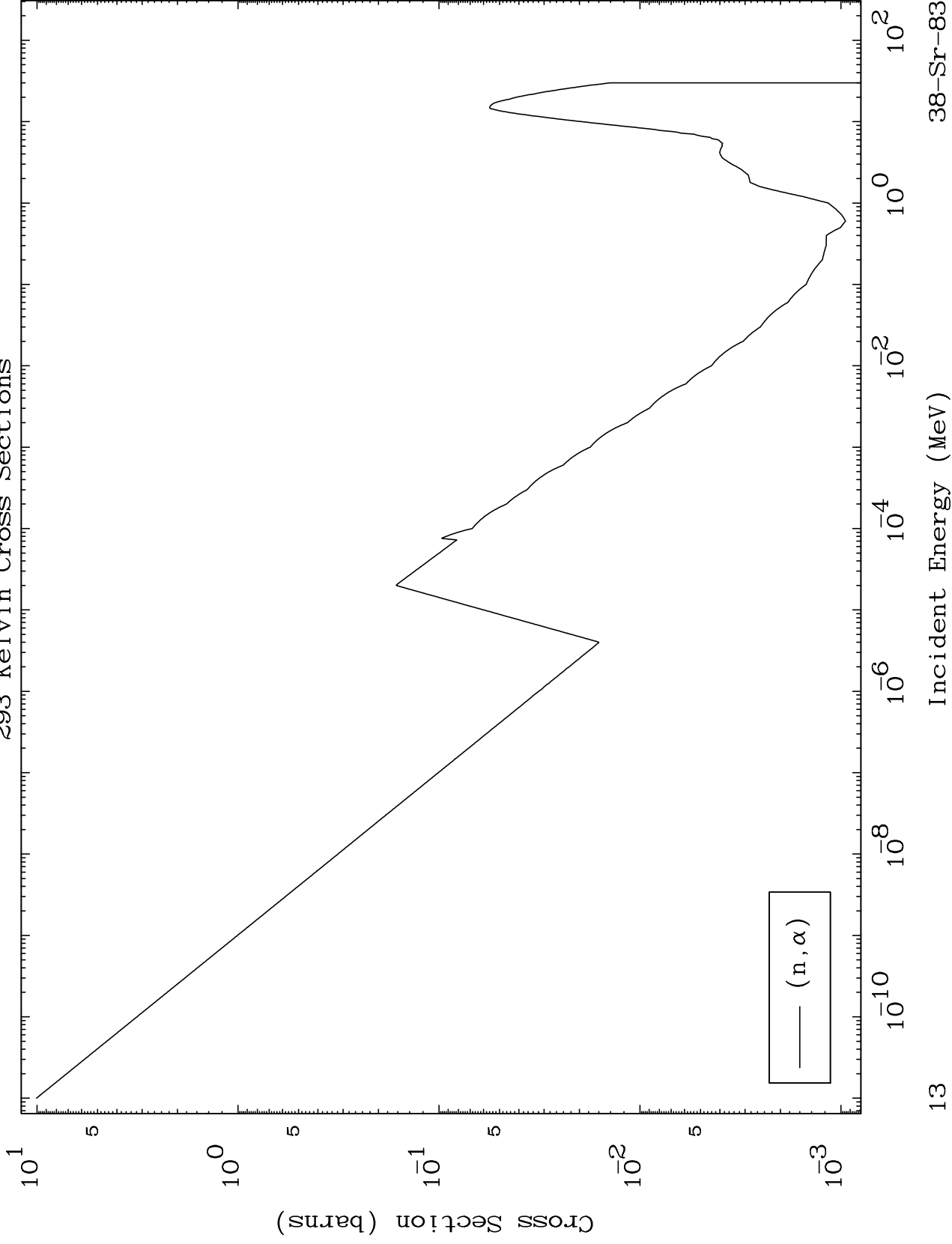
Incident Energy (MeV)

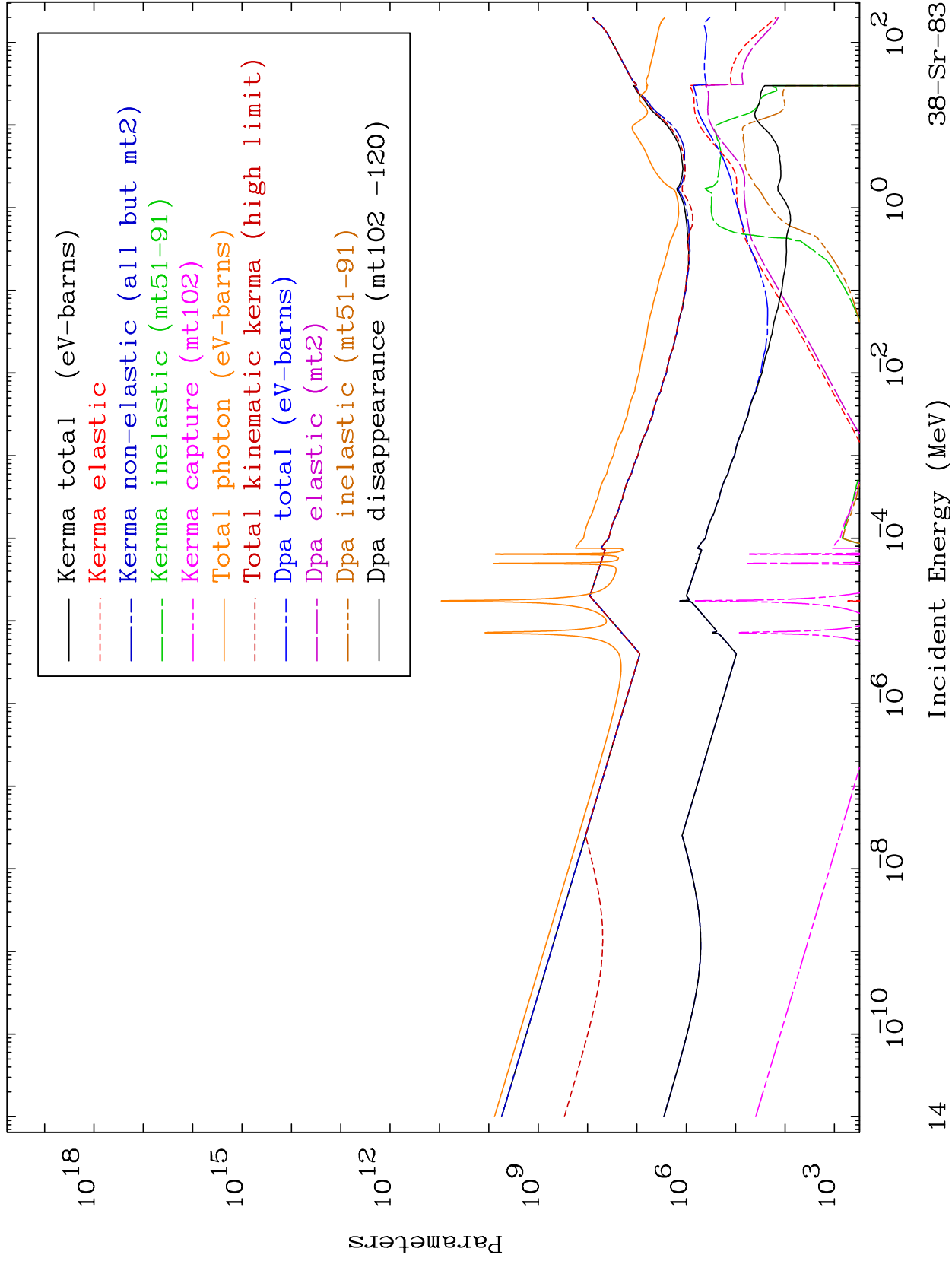
38-Sr-83

MAT 3823

(n,α) Levels
293 Kelvin Cross Sections

38-Sr-83

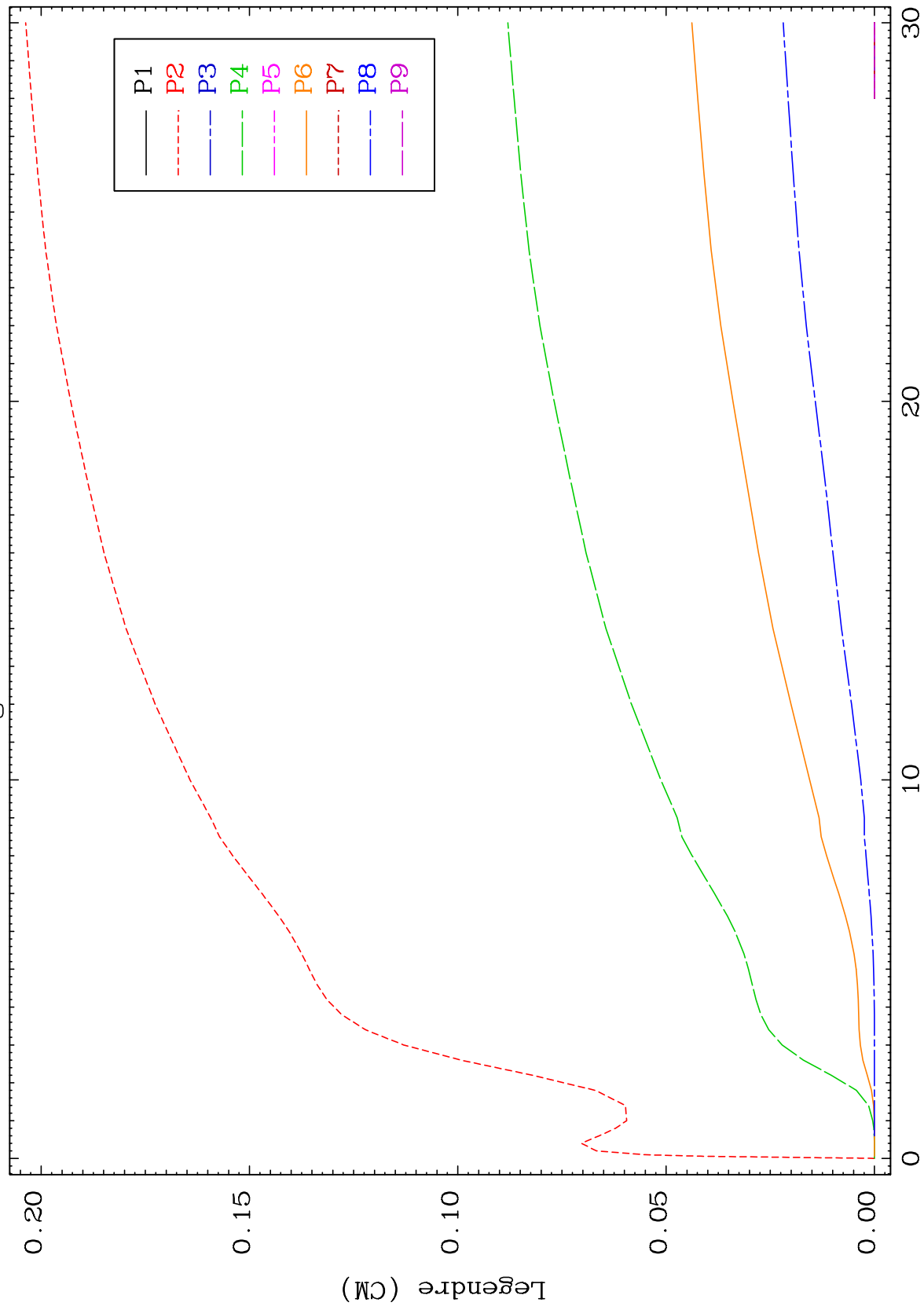




MAT 3823

Elastic Legendre Coefficients

³⁸Sr-83



15

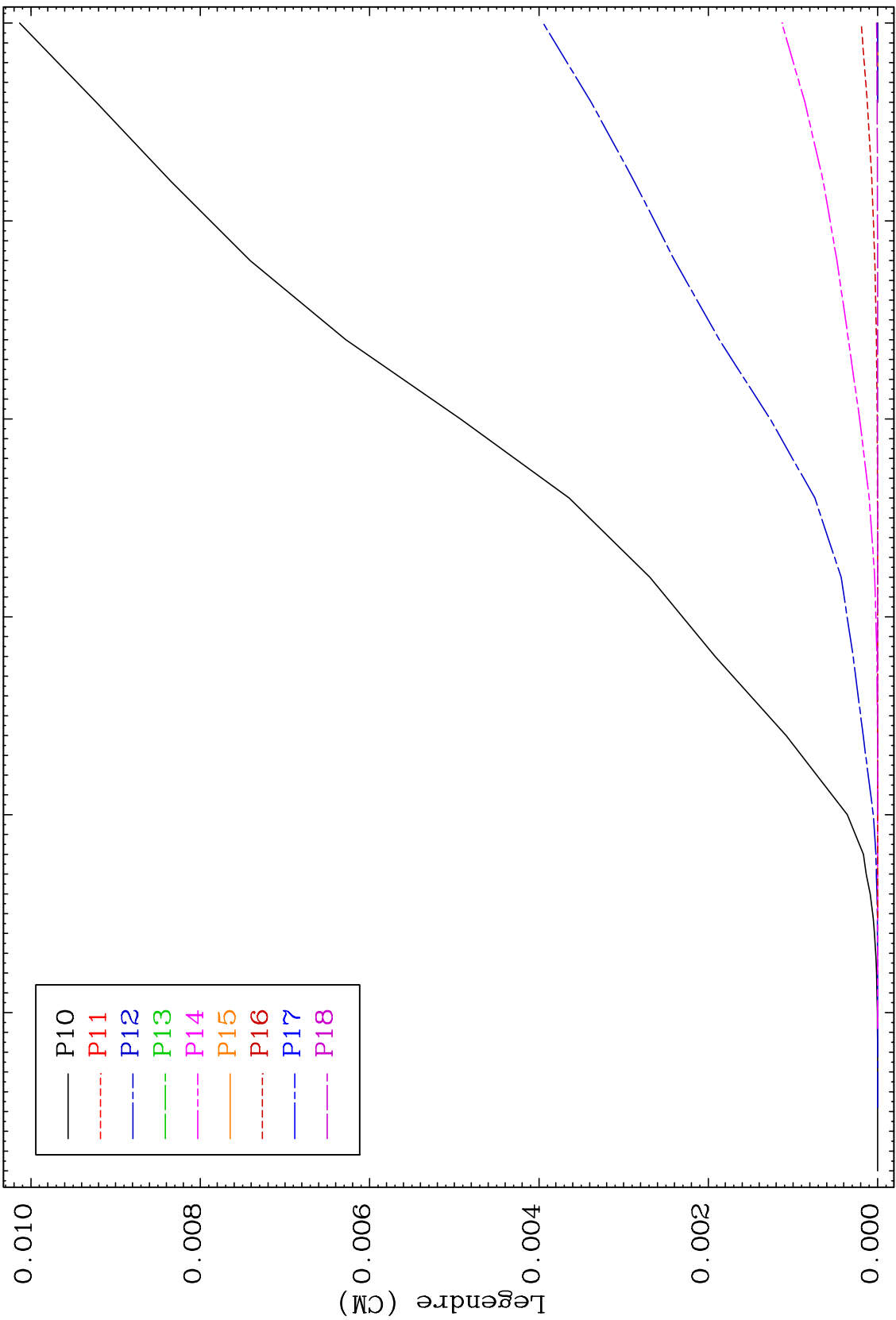
Incident Energy (MeV)

³⁸Sr-83

MAT 3823

Elastic Legendre Coefficients

38-Sr-83



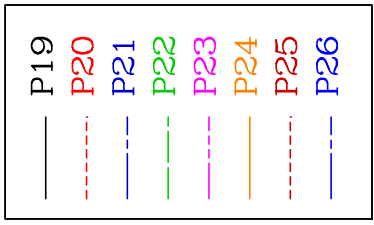
16

38-Sr-83

MAT 3823

Elastic Legendre Coefficients

38-Sr-83



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

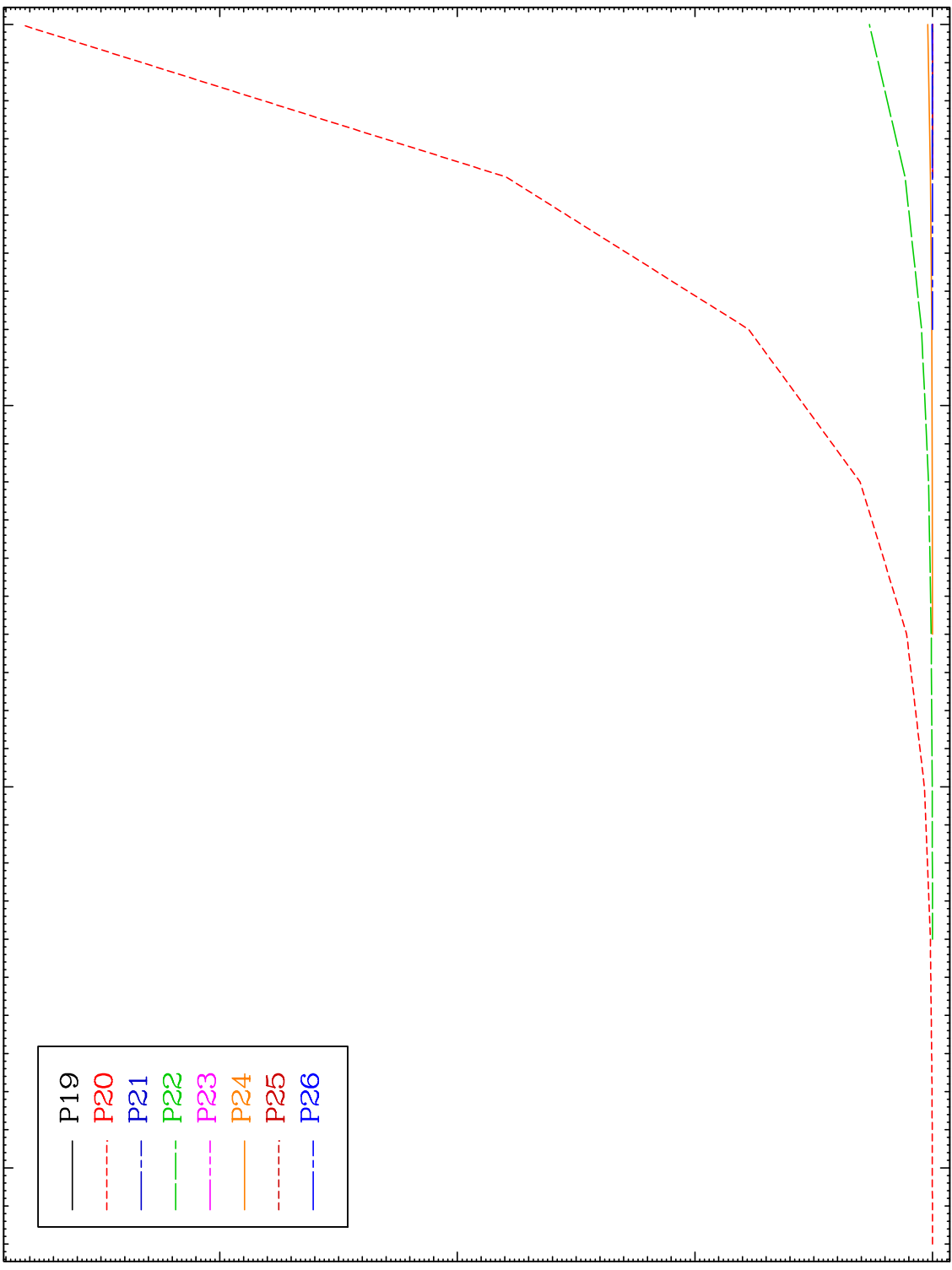
25

30

17

Incident Energy (MeV)

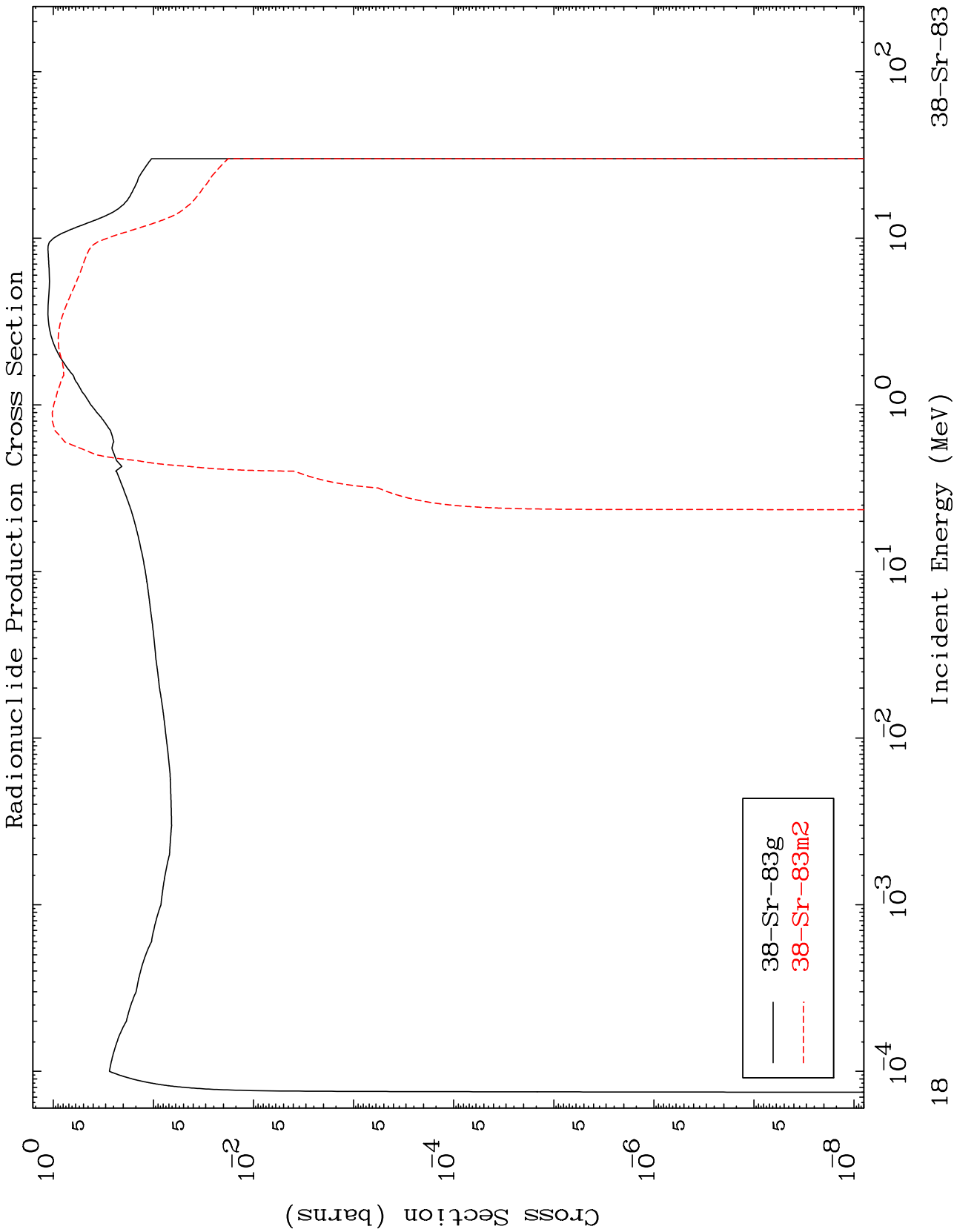
38-Sr-83



MAT 3823

38-Sr-83

Inelastic
Radionuclide Production Cross Section



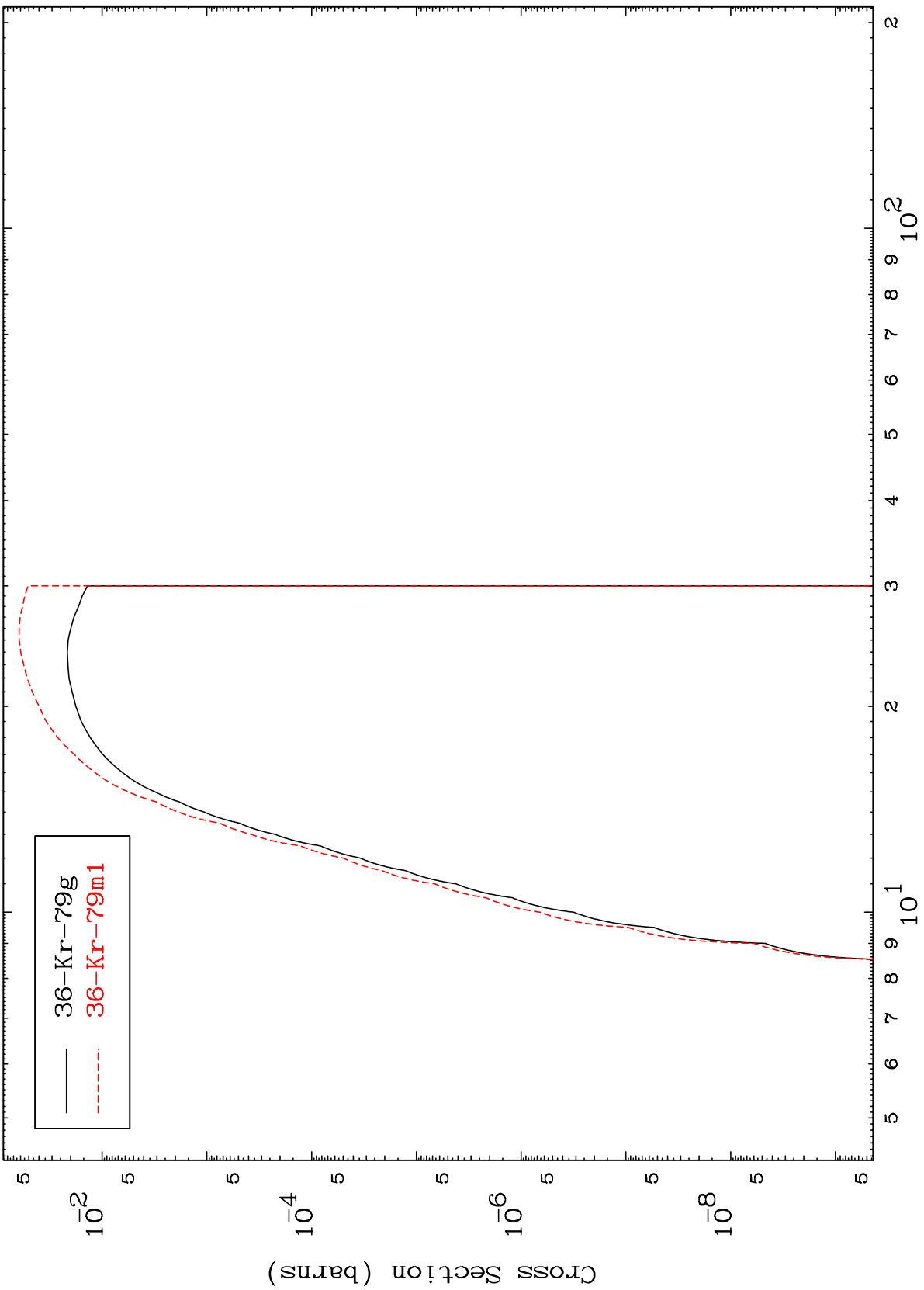
18

MAT 3823

(n, n') α

38-Sr-83

Radionuclide Production Cross Section



19

Incident Energy (MeV)

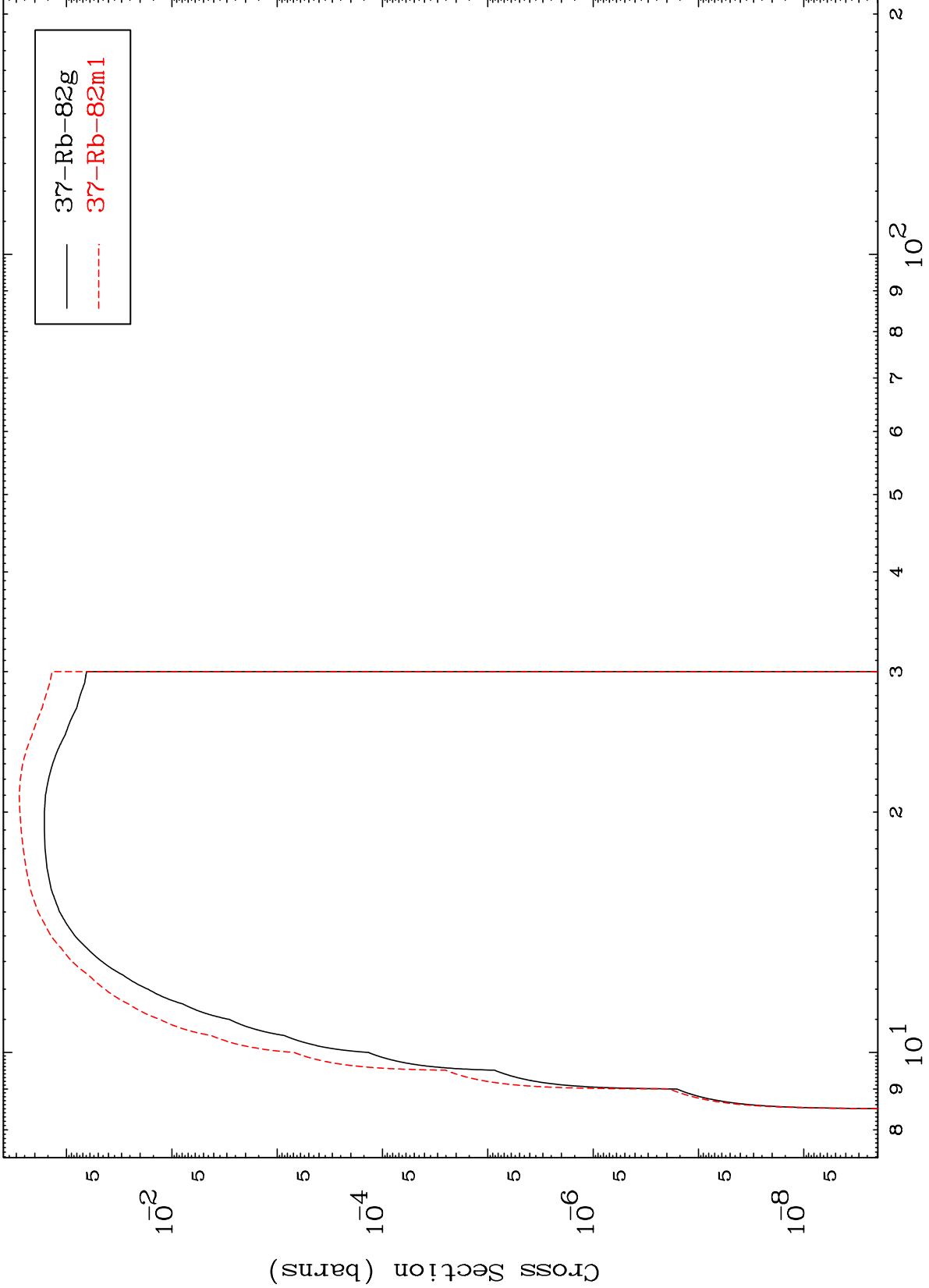
38-Sr-83

MAT 3823

(n,n') p

38-Sr-83

Radionuclide Production Cross Section

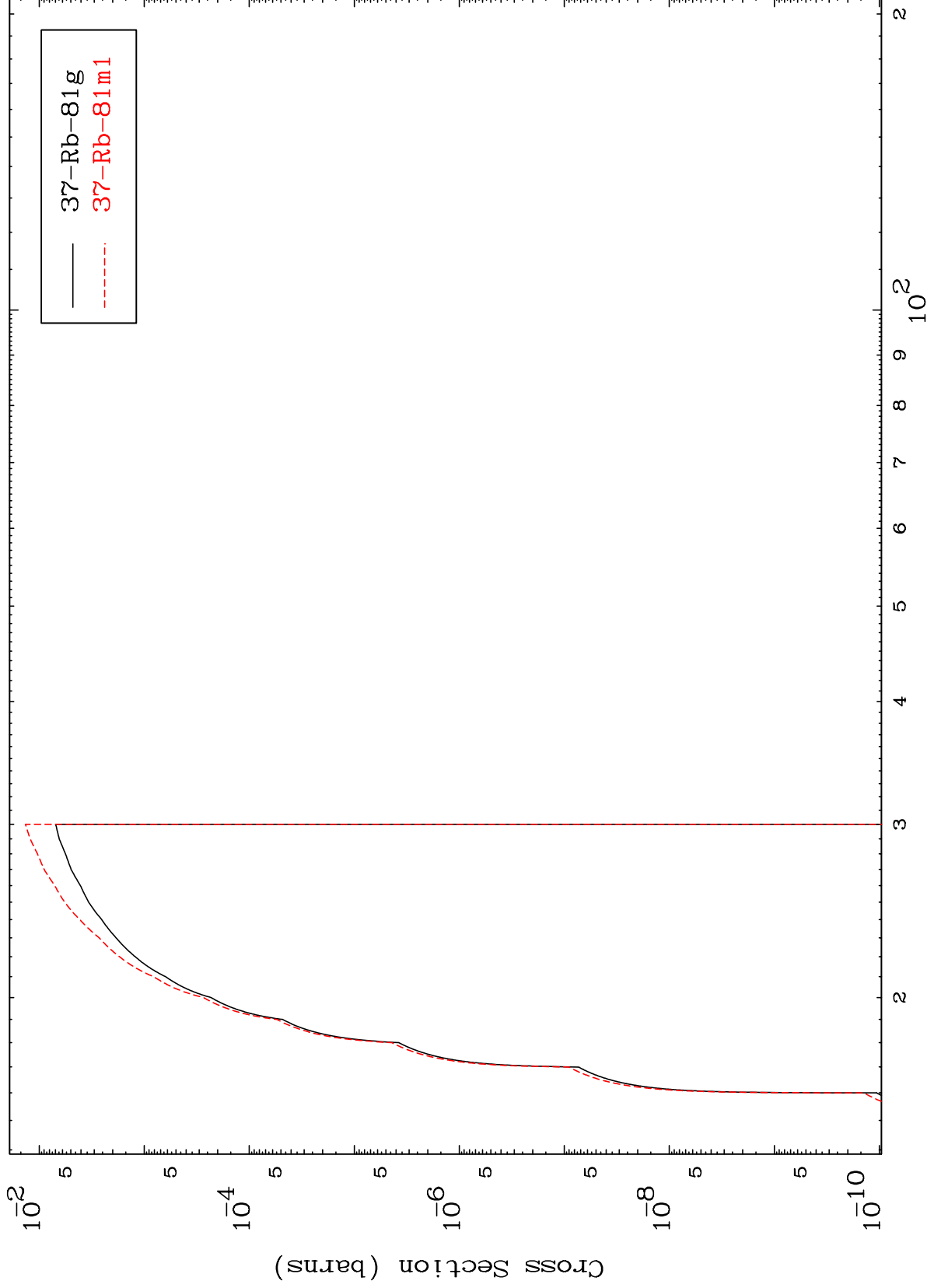


20

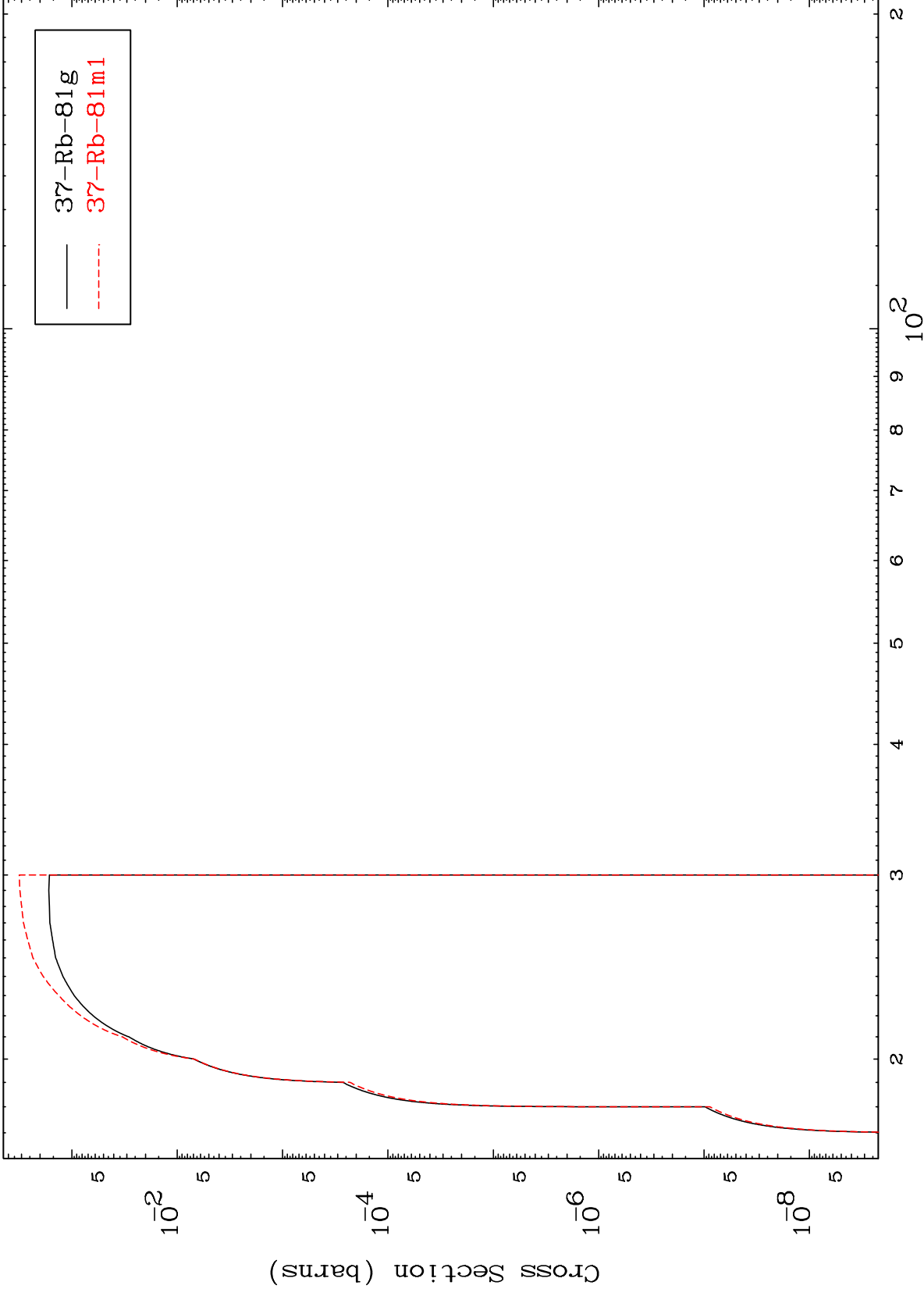
Incident Energy (MeV)

38-Sr-83

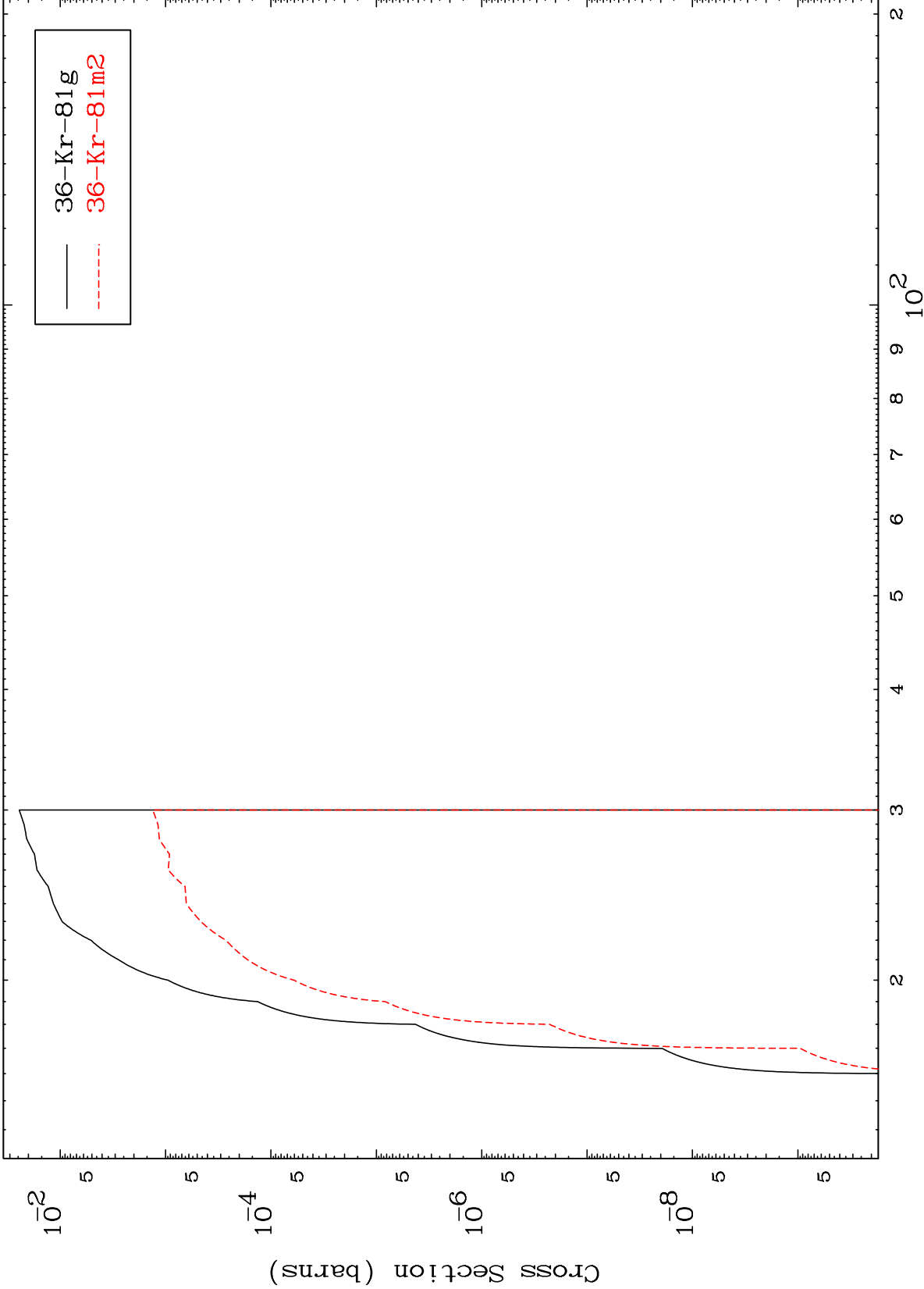
Radionuclide Production Cross Section



Radionuclide Production Cross Section

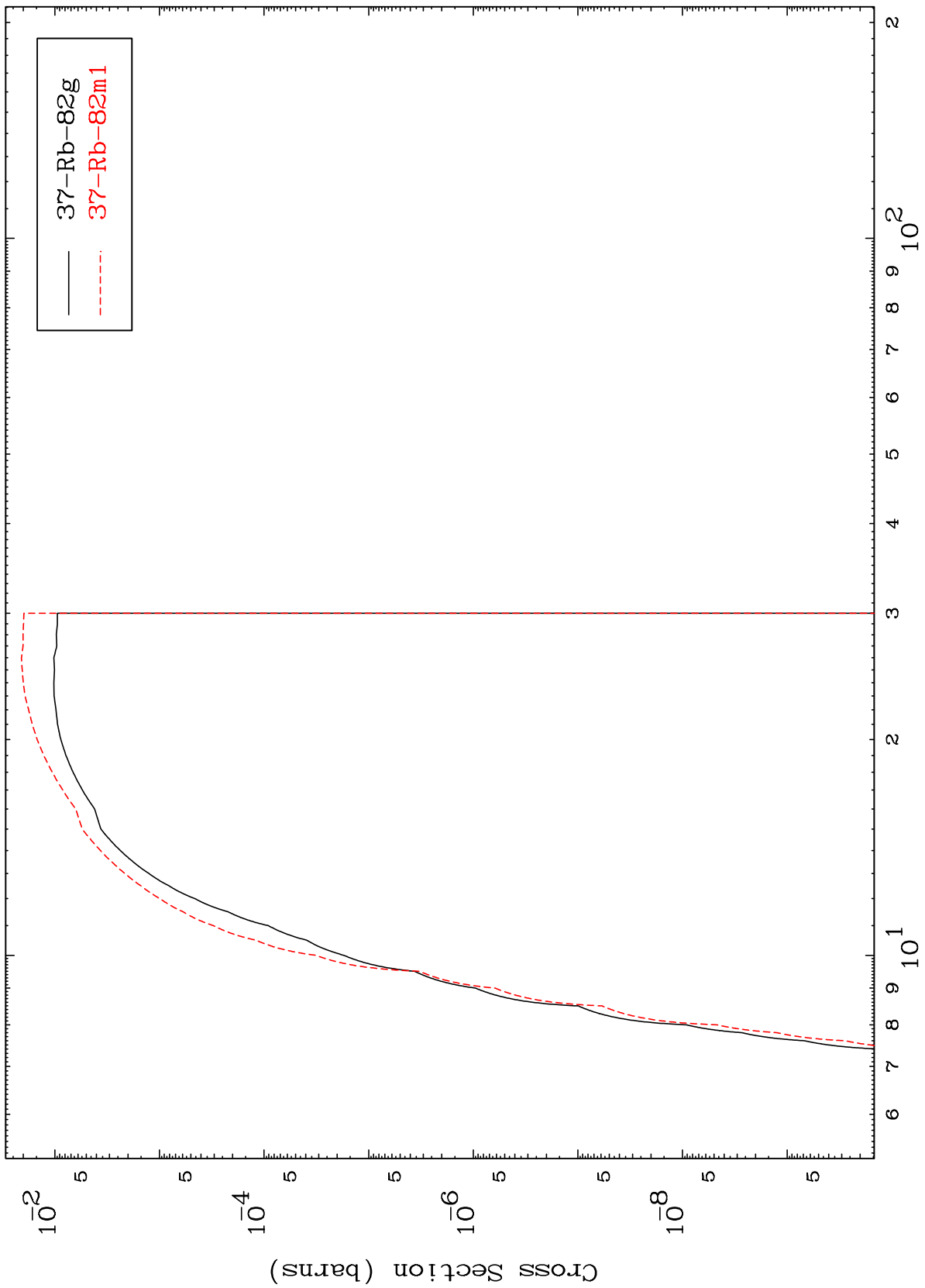


Radionuclide Production Cross Section

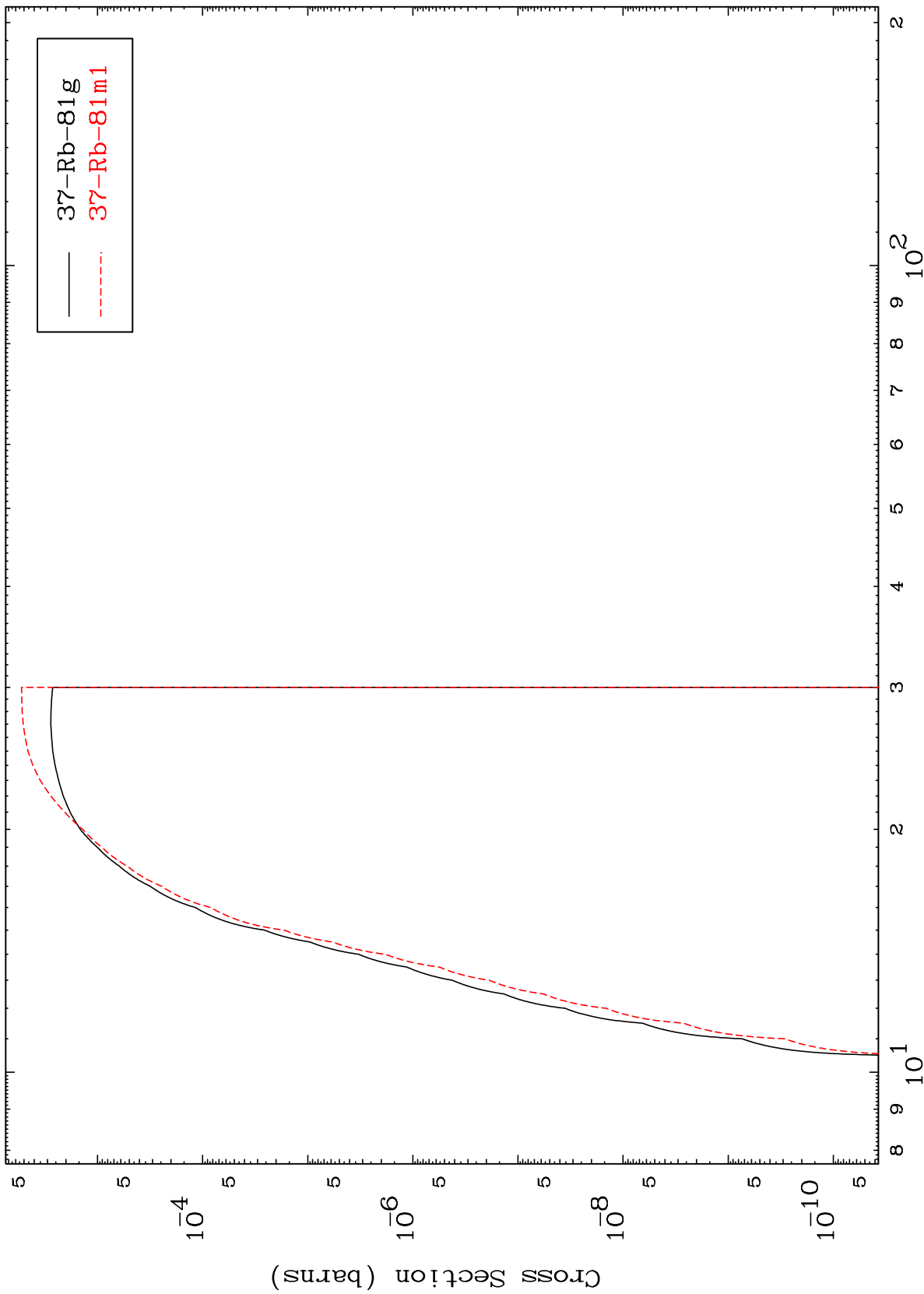


36-Kr-81g
36-Kr-81m2

(n,d)
Radionuclide Production Cross Section



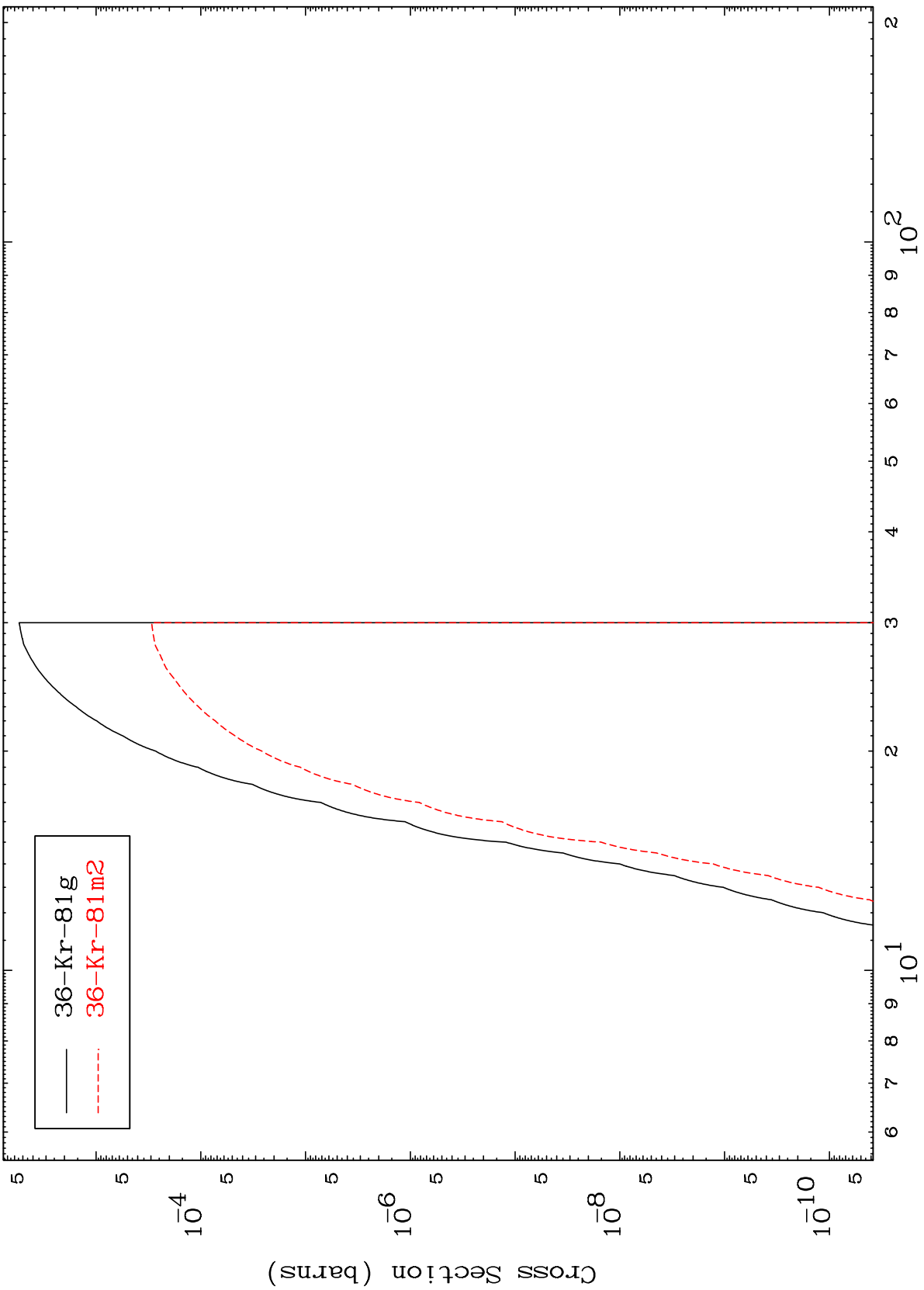
(n, t)
Radionuclide Production Cross Section



MAT 3823

38-Sr-83

Radionuclide Production Cross Section (n,He-3)



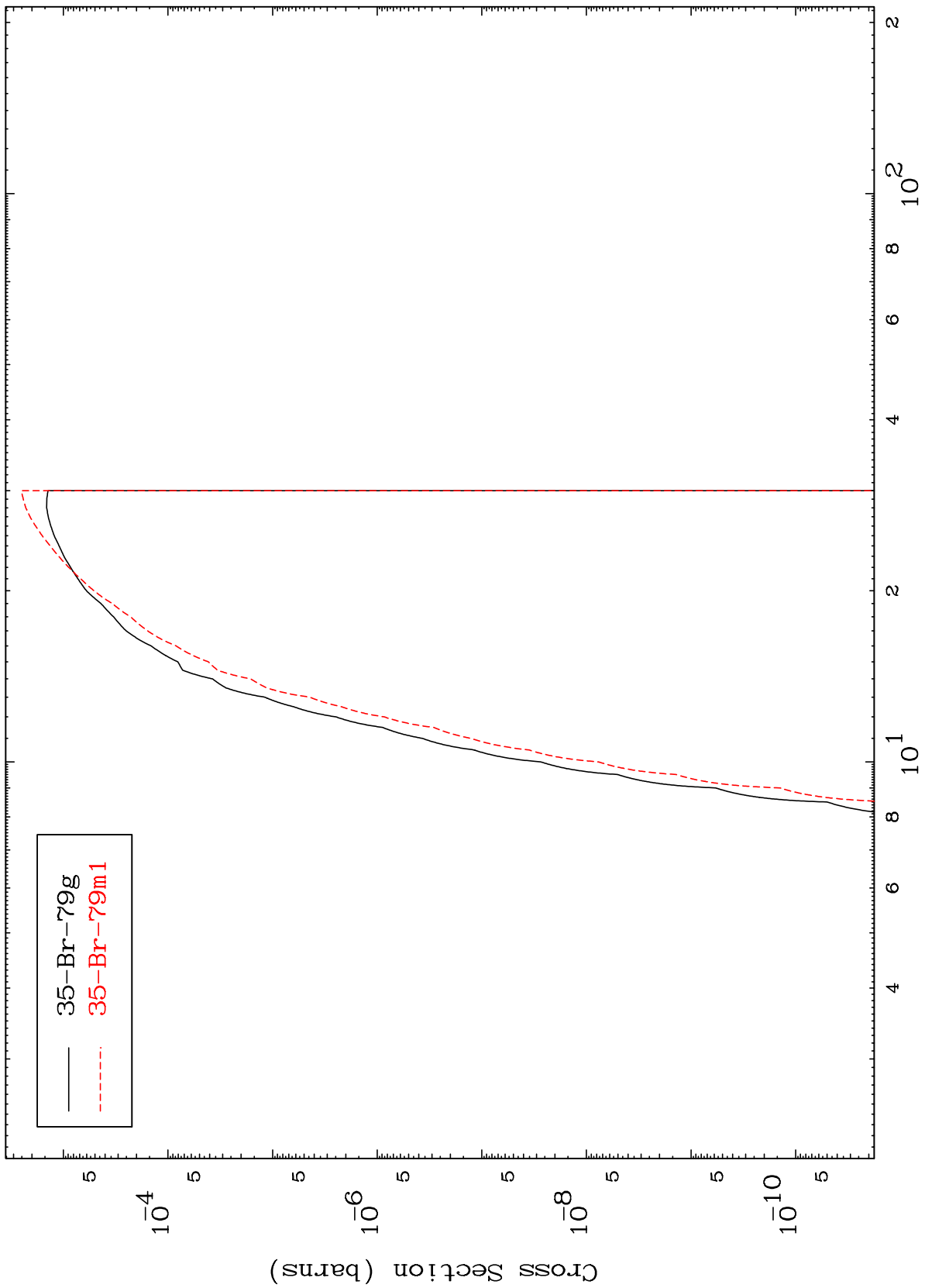
26

Incident Energy (MeV)

38-Sr-83

(n,p) α

Radionuclide Production Cross Section



35-Br-79g
35-Br-79m1

Radionuclide Production Cross Section

