

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

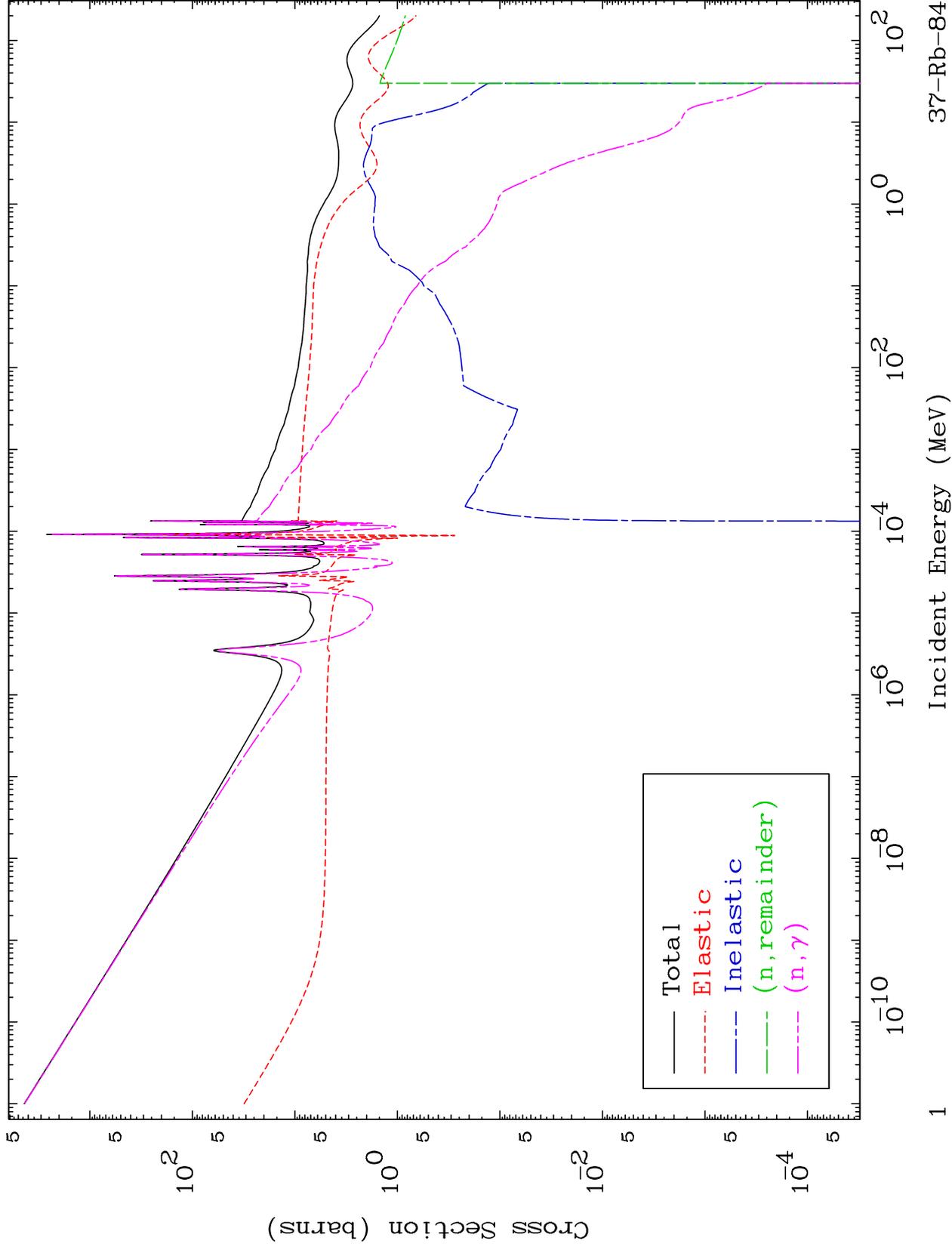
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3723

Major
293 Kelvin Cross Sections

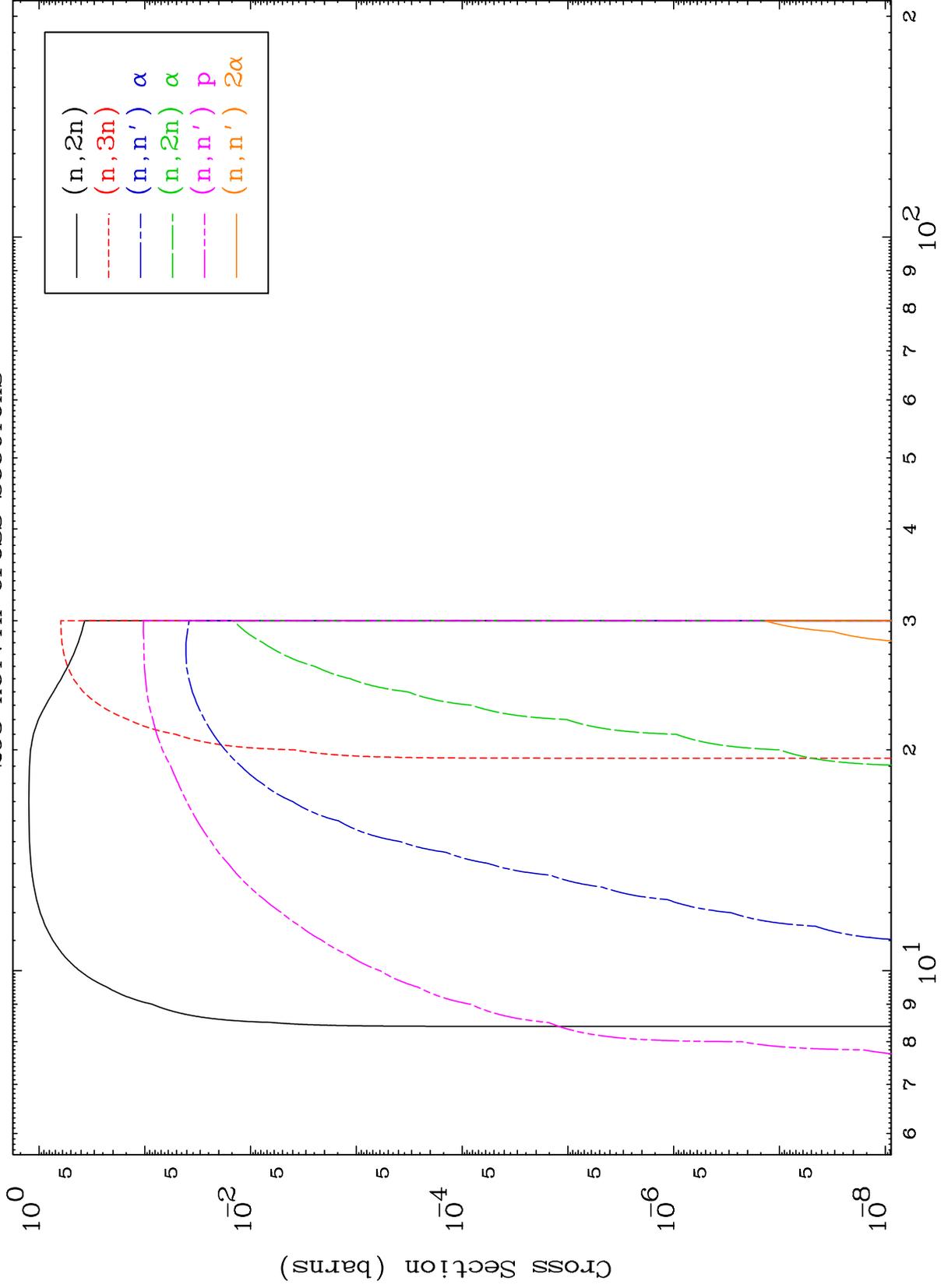
37-Rb-84



MAT 3723

Neutron Production 293 Kelvin Cross Sections

37-Rb-84

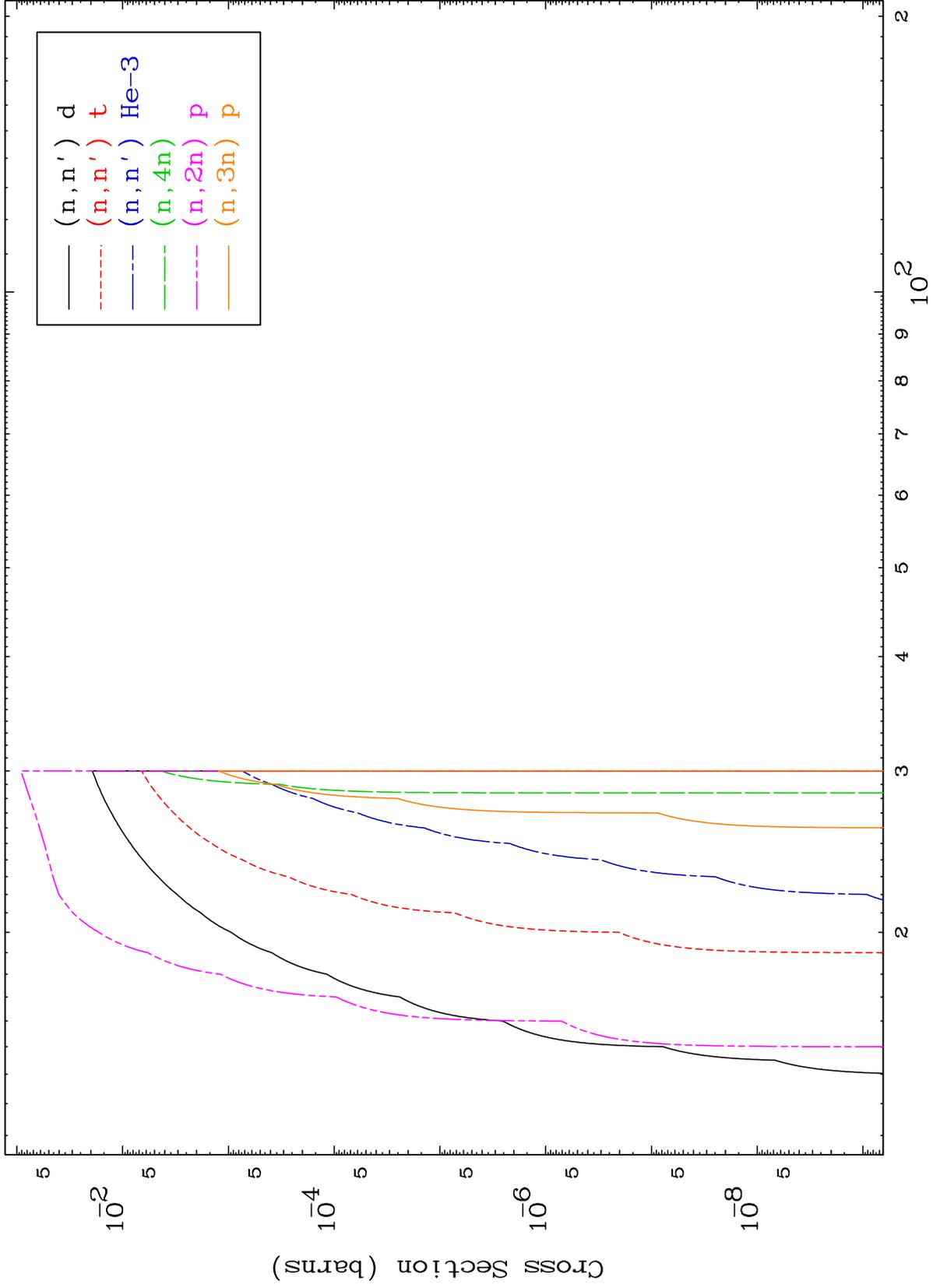


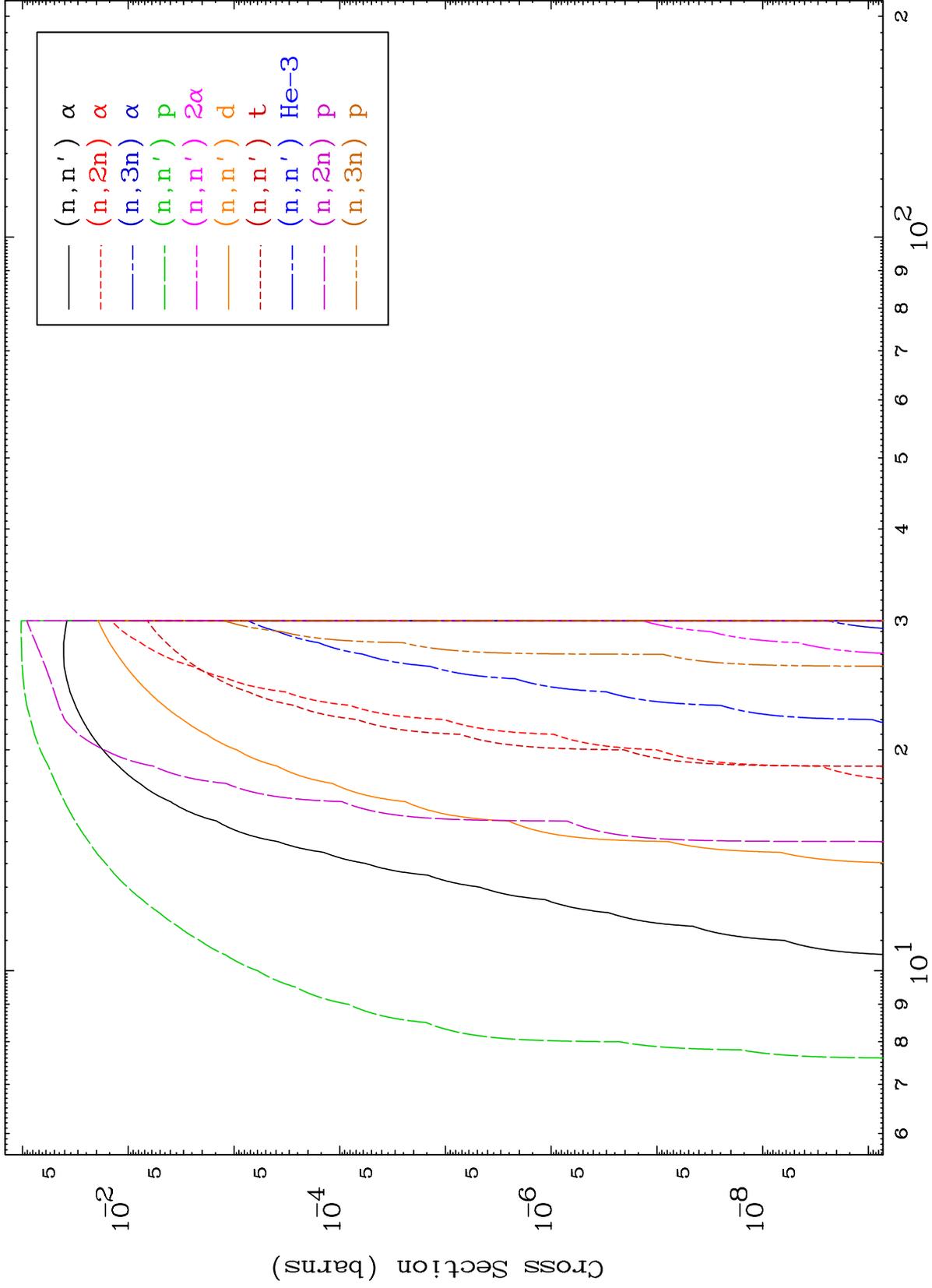
2

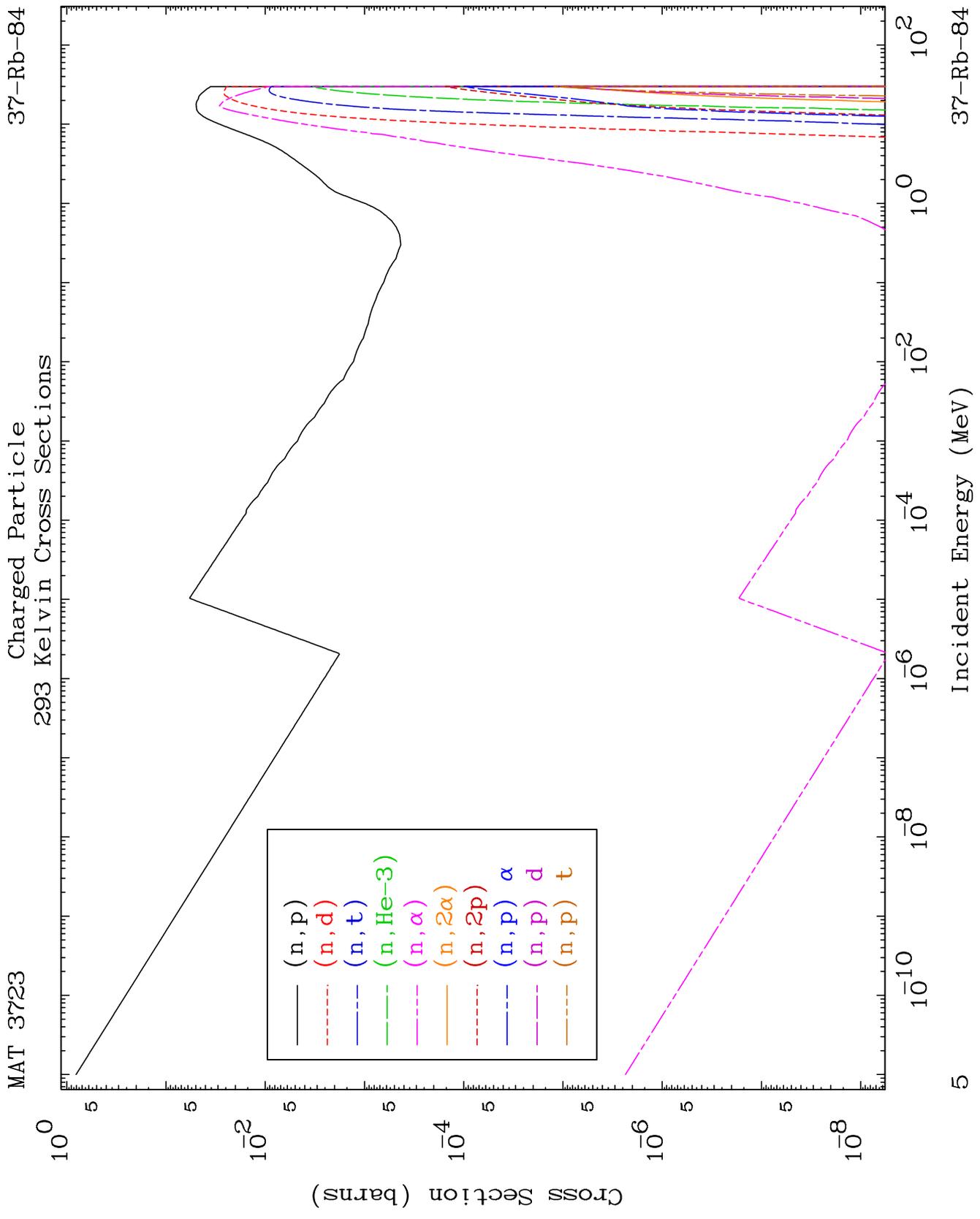
Incident Energy (MeV)

37-Rb-84

Neutron Production
293 Kelvin Cross Sections







MAT 3723

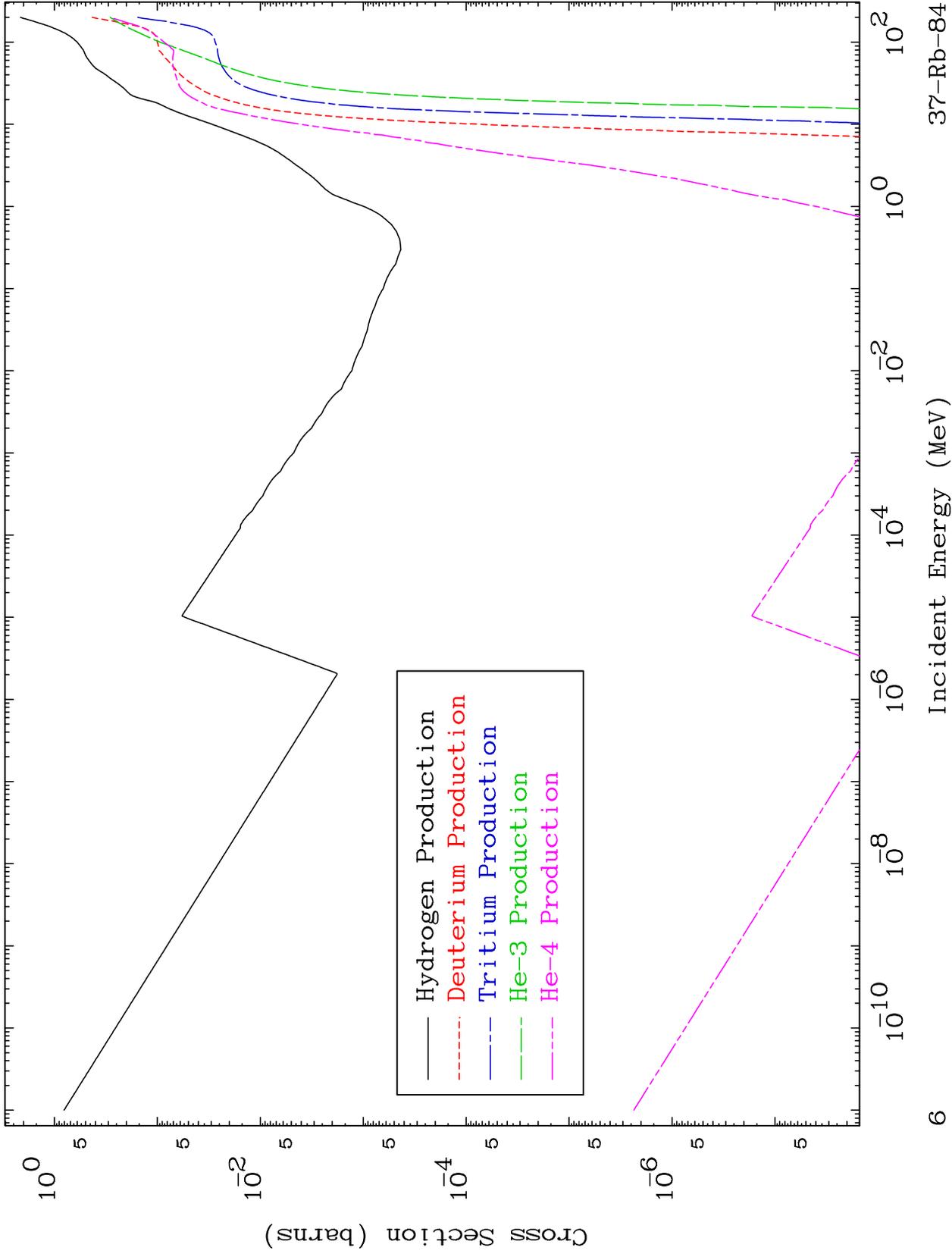
37-Rb-84

5

MAT 3723

Particle Production
293 Kelvin Cross Sections

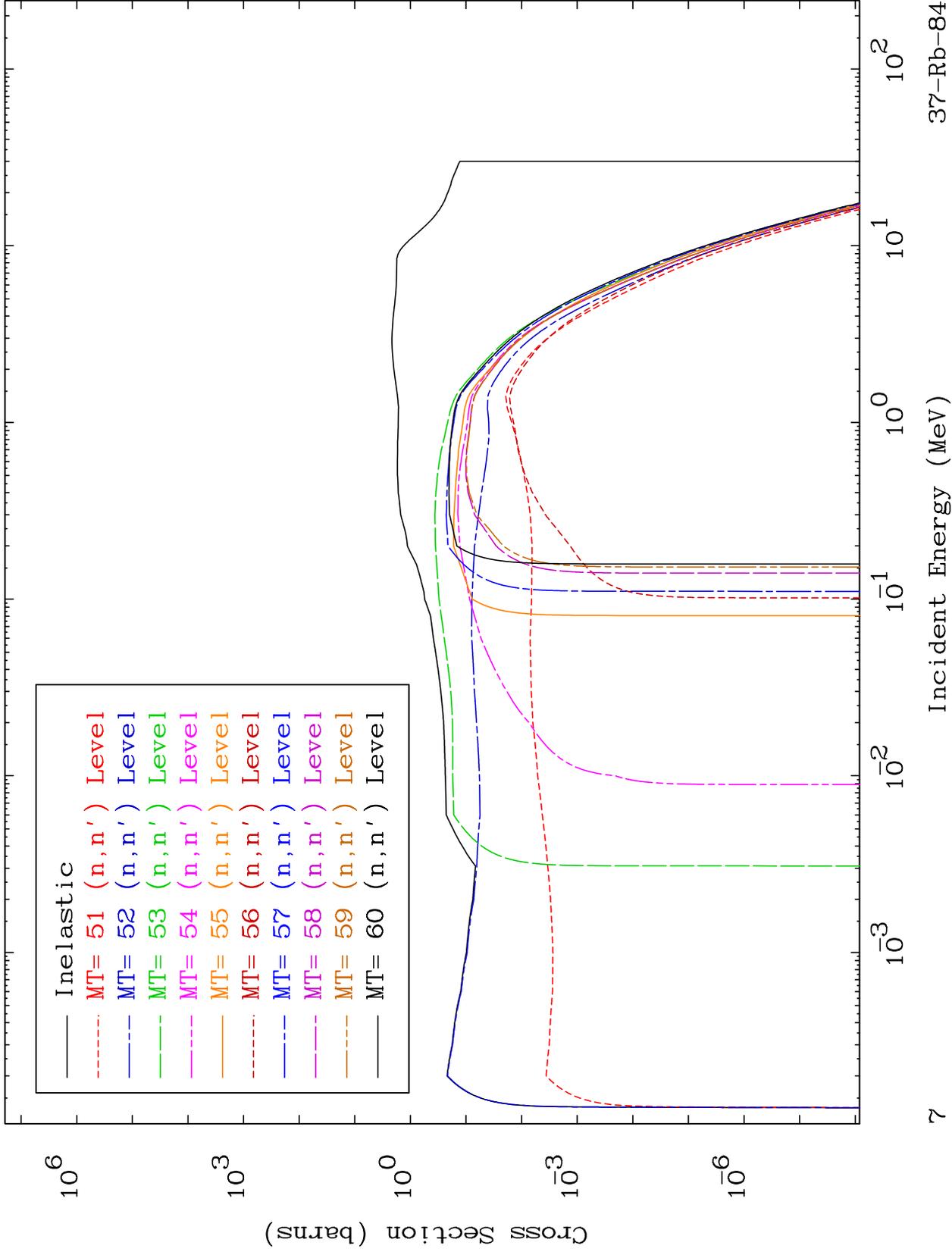
37-Rb-84



MAT 3723

(n,n') Level
293 Kelvin Cross Sections

37-Rb-84

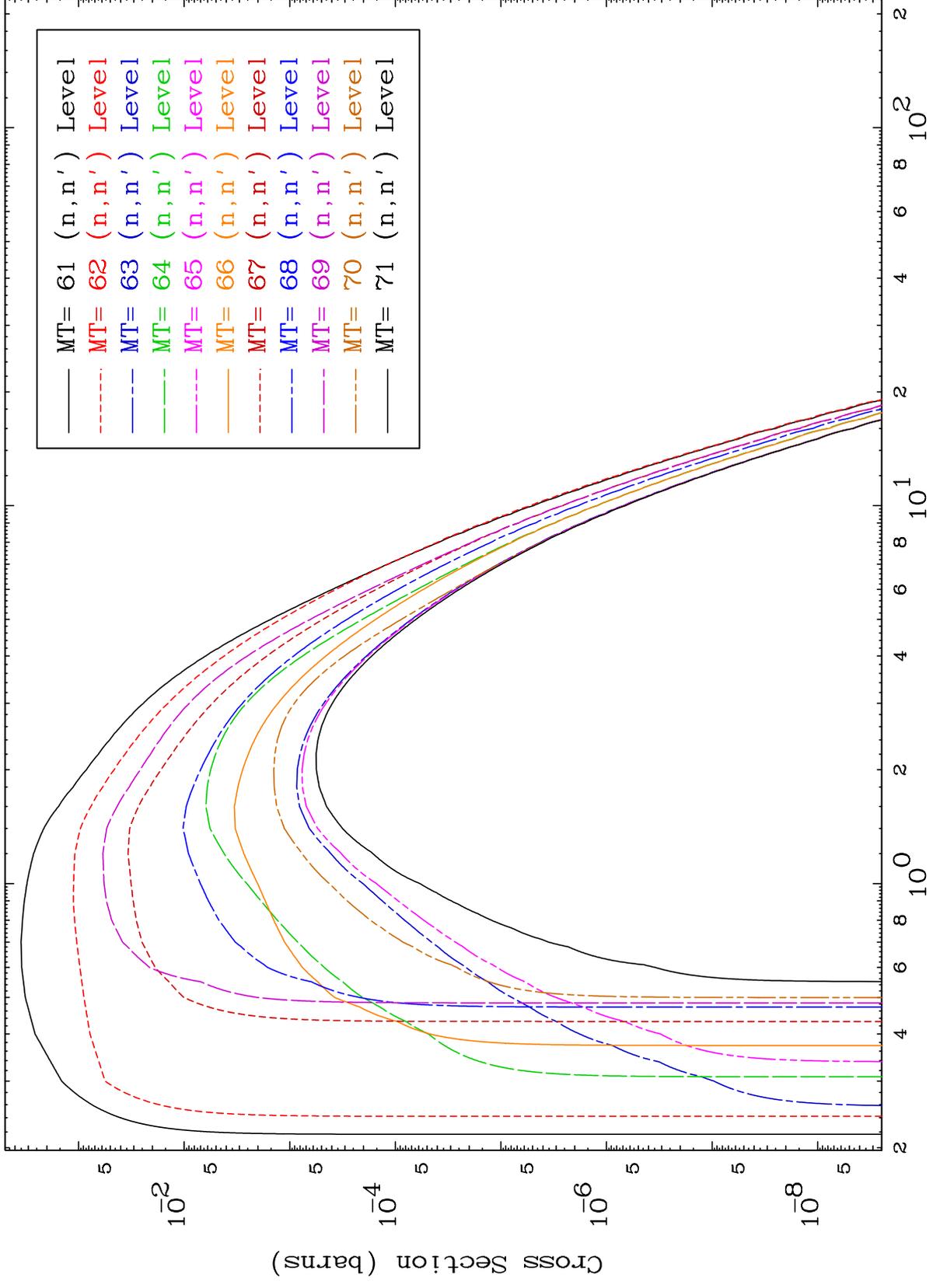


MAT 3723

(n,n') Level

37-Rb-84

293 Kelvin Cross Sections



Incident Energy (MeV)

37-Rb-84

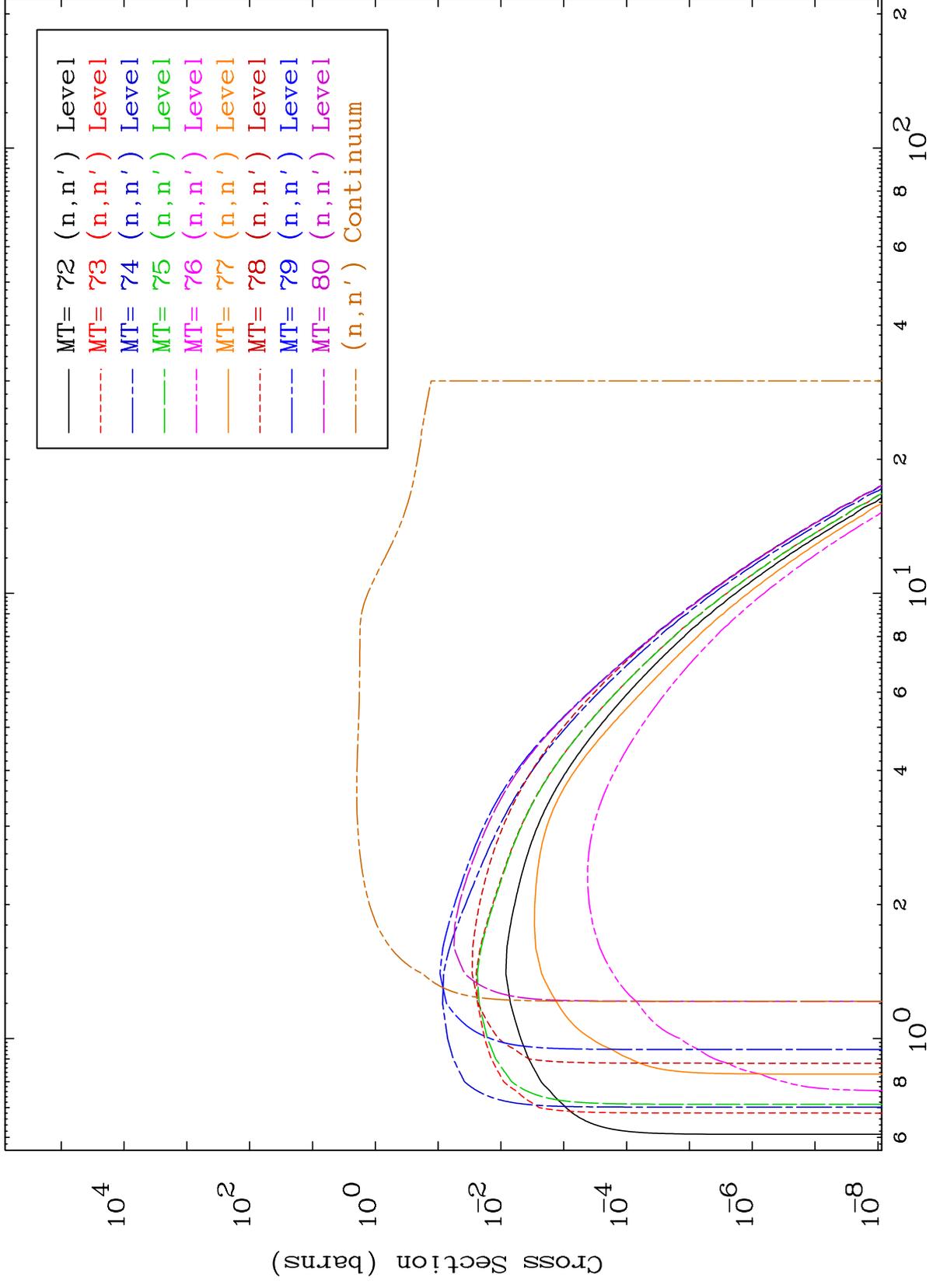
8

MAT 3723

(n,n') Level

37-Rb-84

293 Kelvin Cross Sections



9

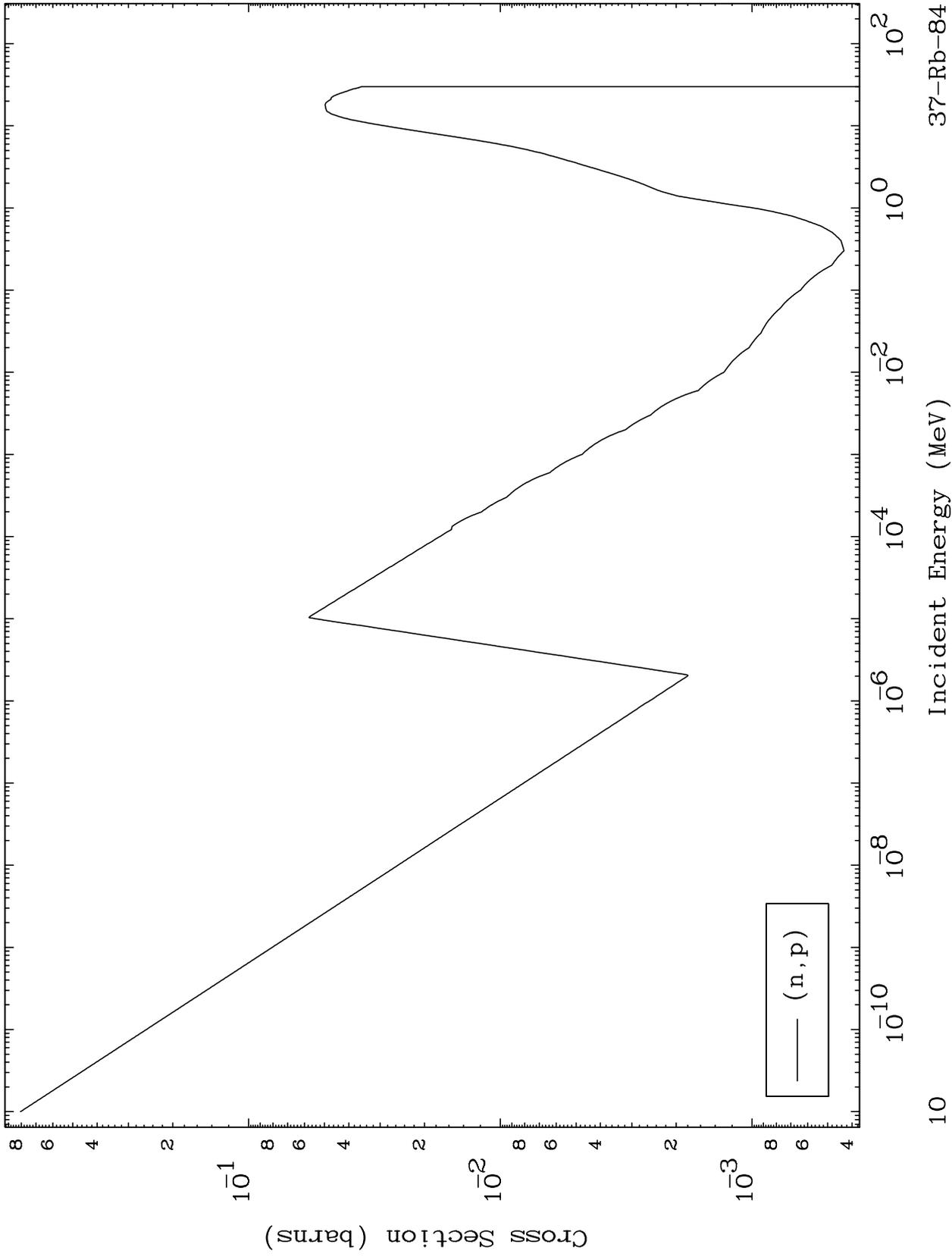
Incident Energy (MeV)

37-Rb-84

MAT 3723

(n,p) Levels
293 Kelvin Cross Sections

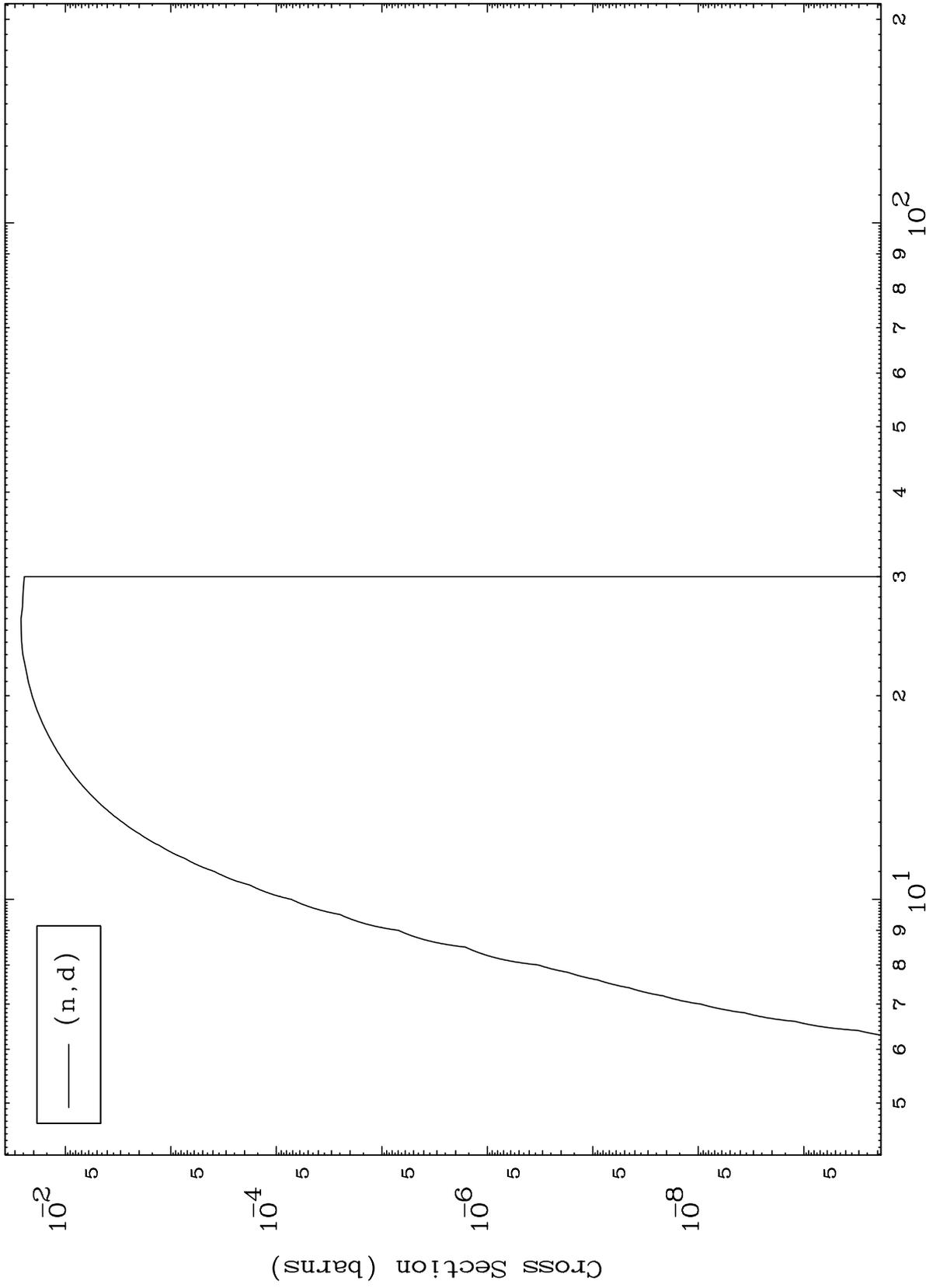
37-Rb-84



MAT 3723

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-84



11

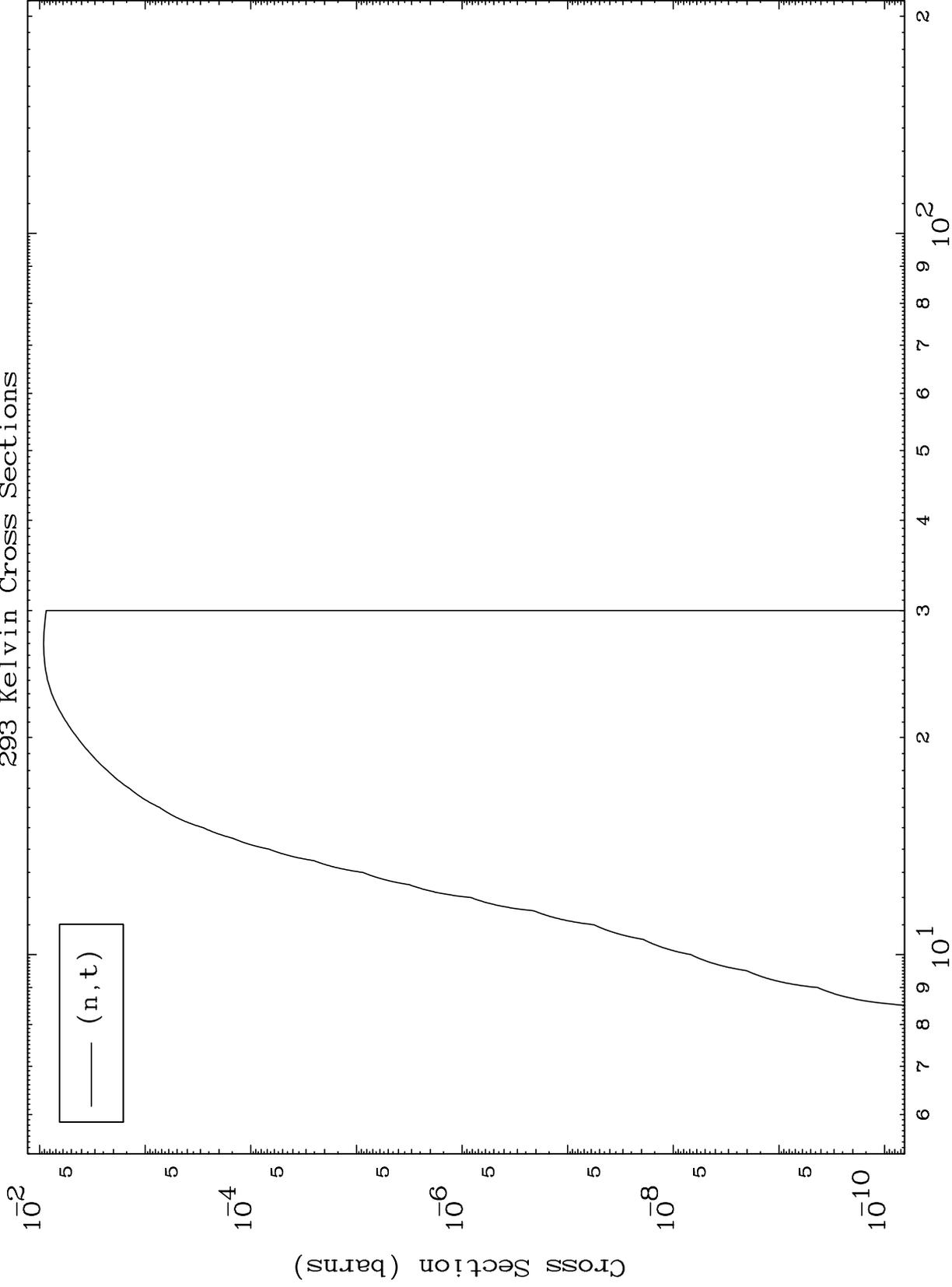
Incident Energy (MeV)

37-Rb-84

MAT 3723

(n,t) Levels
293 Kelvin Cross Sections

37-Rb-84



12

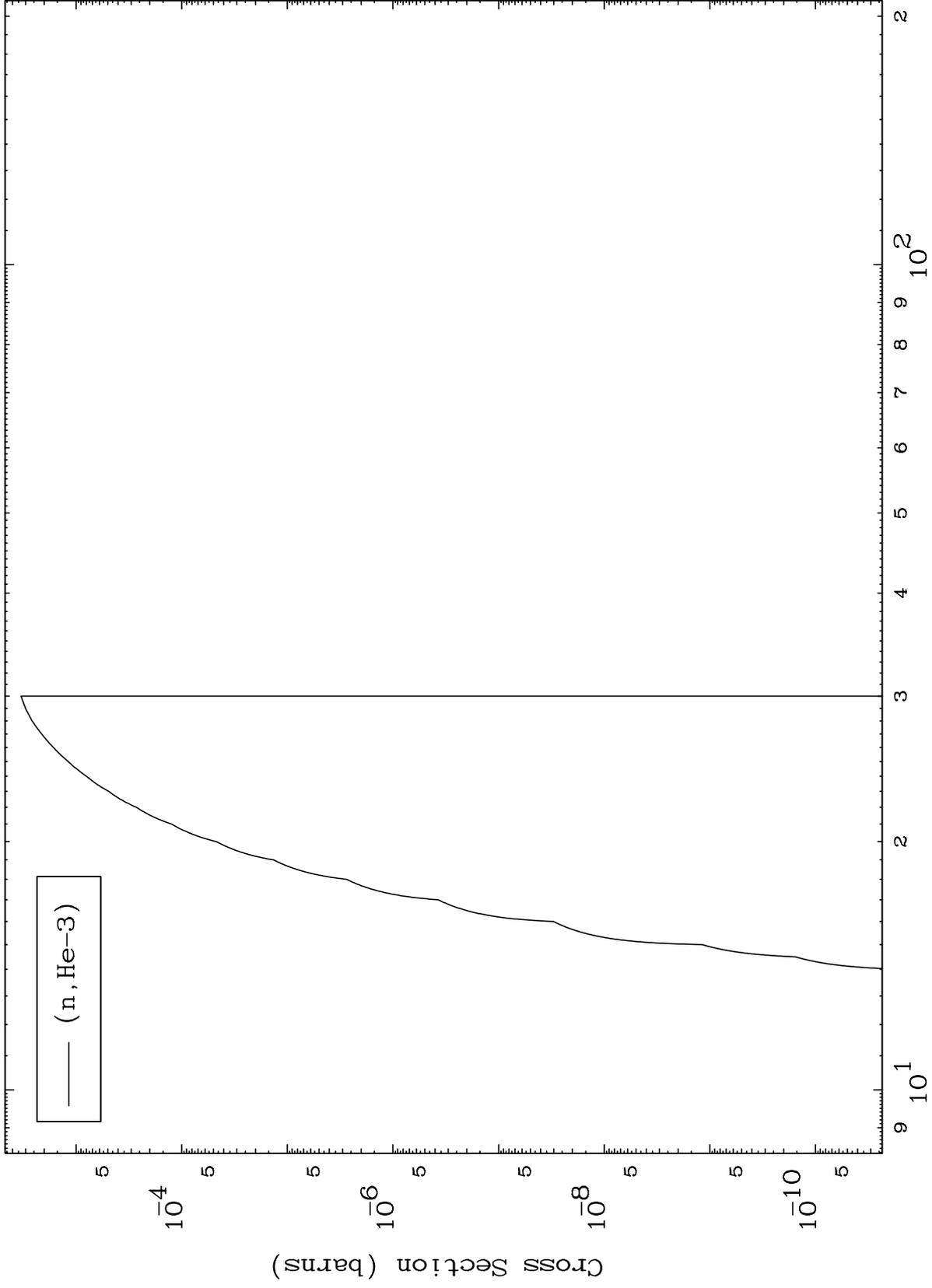
Incident Energy (MeV)

37-Rb-84

MAT 3723

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-84



13

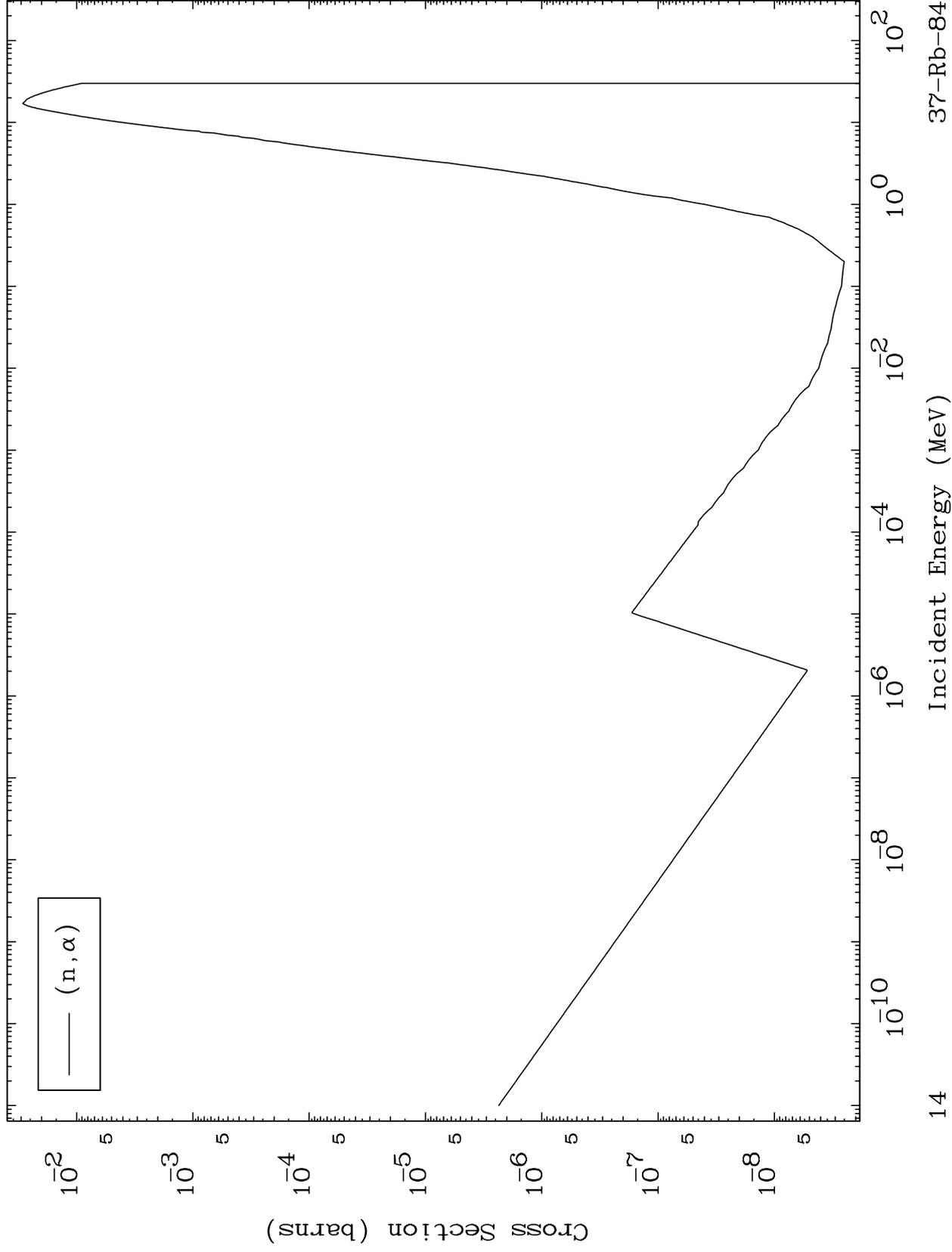
Incident Energy (MeV)

37-Rb-84

MAT 3723

(n, α) Levels
293 Kelvin Cross Sections

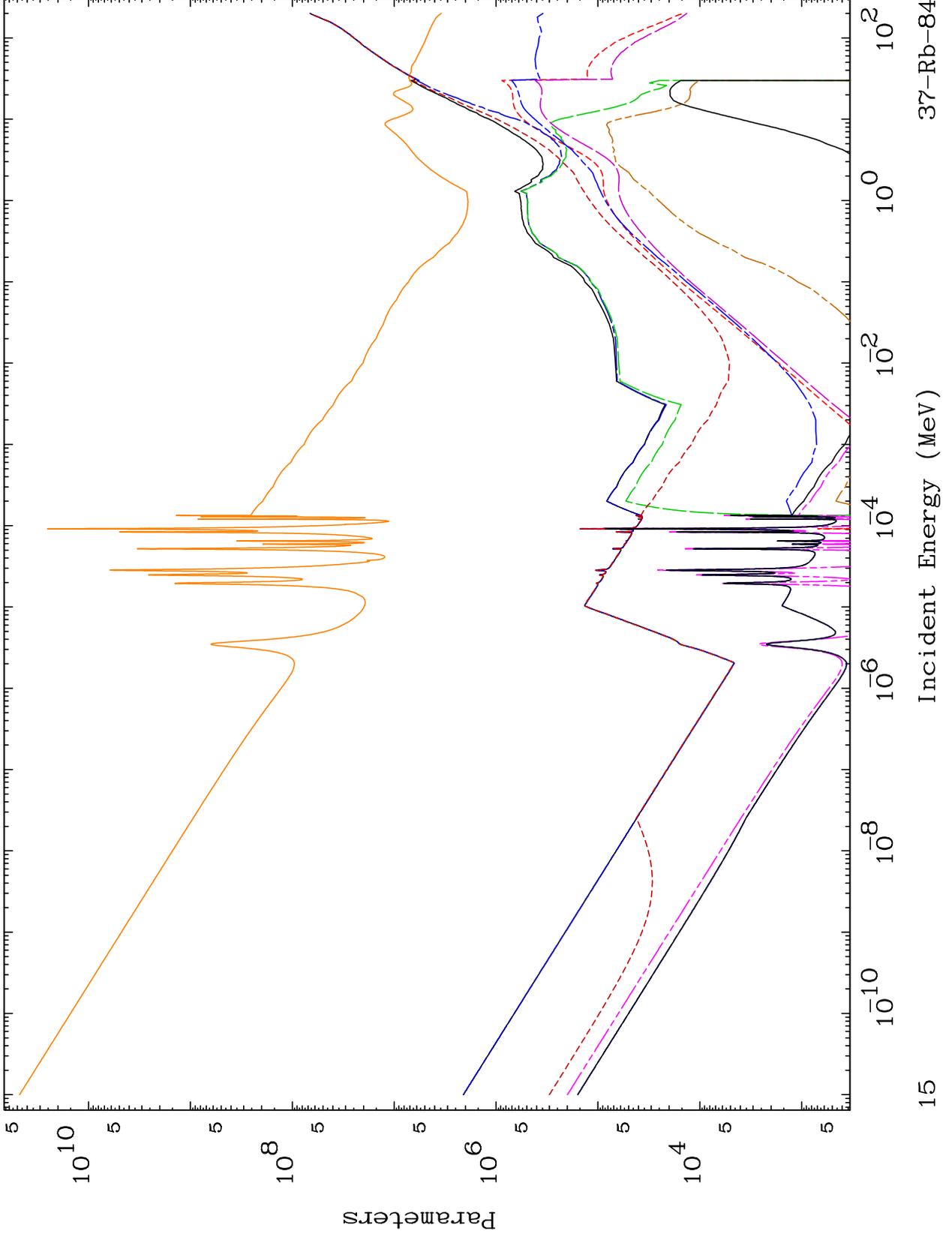
37-Rb-84



MAT 3723

Energy Release
Parameters

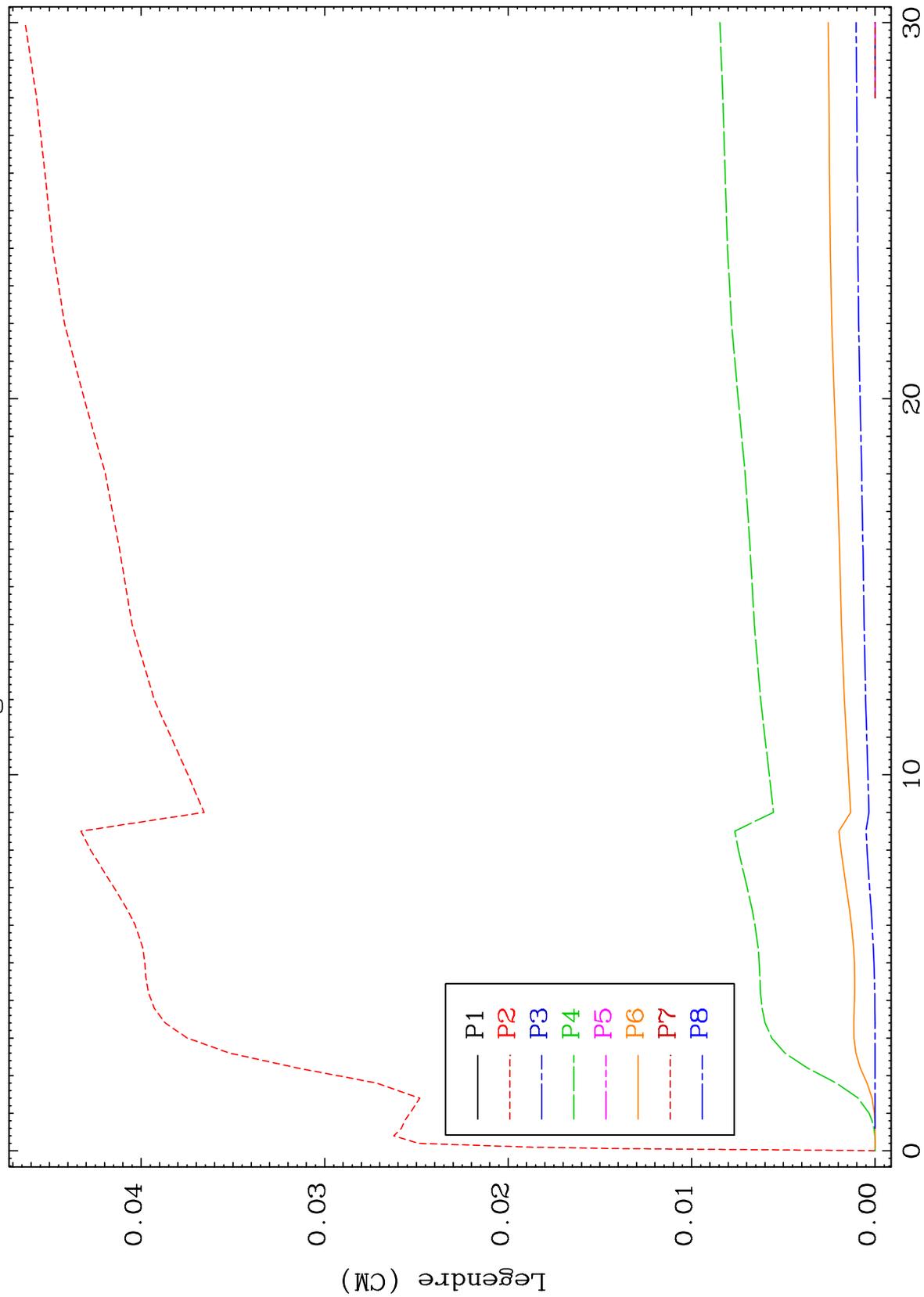
37-Rb-84



MAT 3723

Elastic Legendre Coefficients

37-Rb-84



16

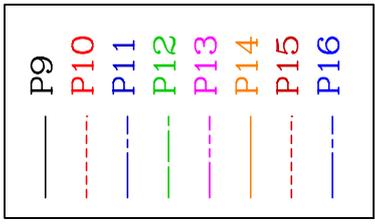
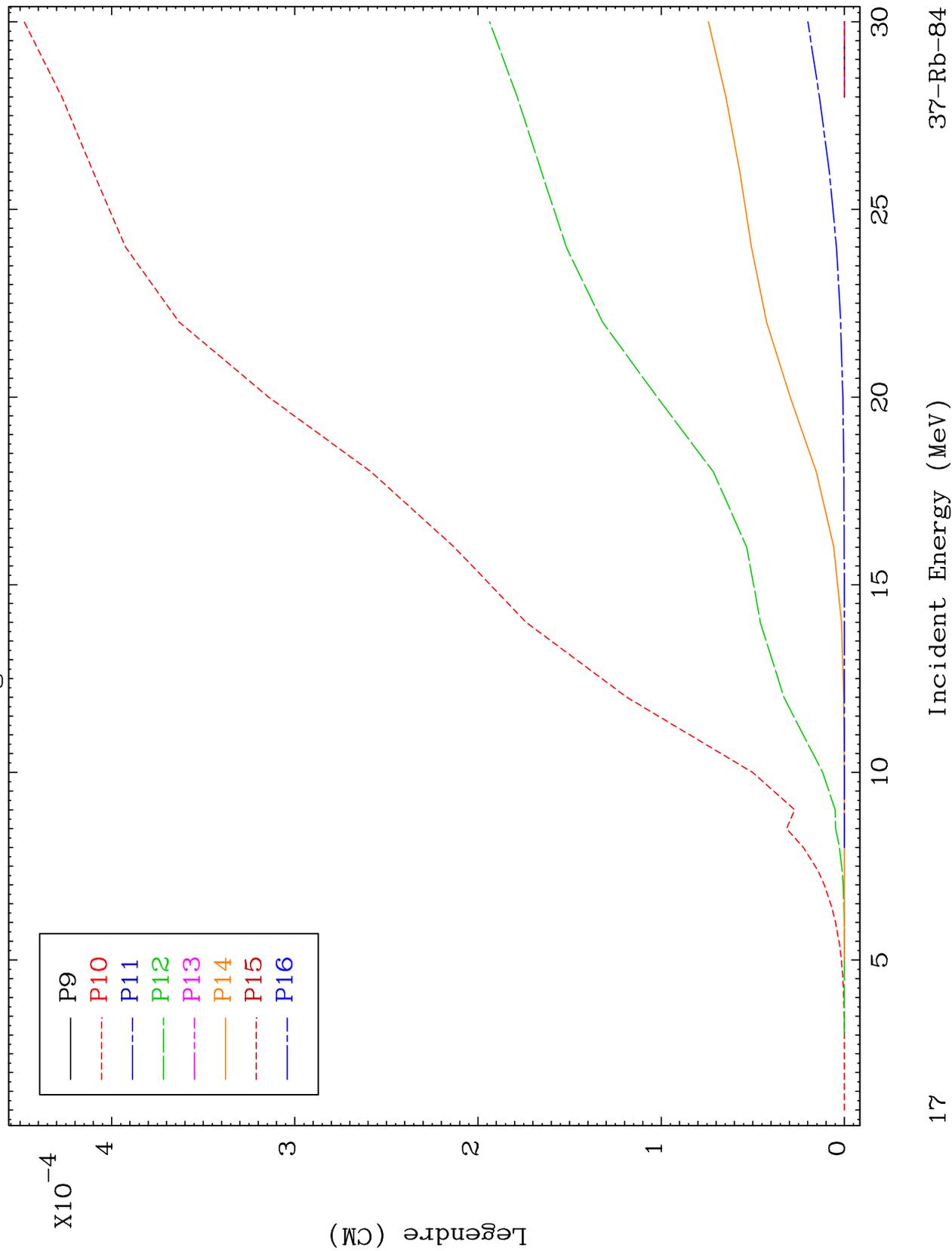
Incident Energy (MeV)

37-Rb-84

MAT 3723

Elastic Legendre Coefficients

37-Rb-84

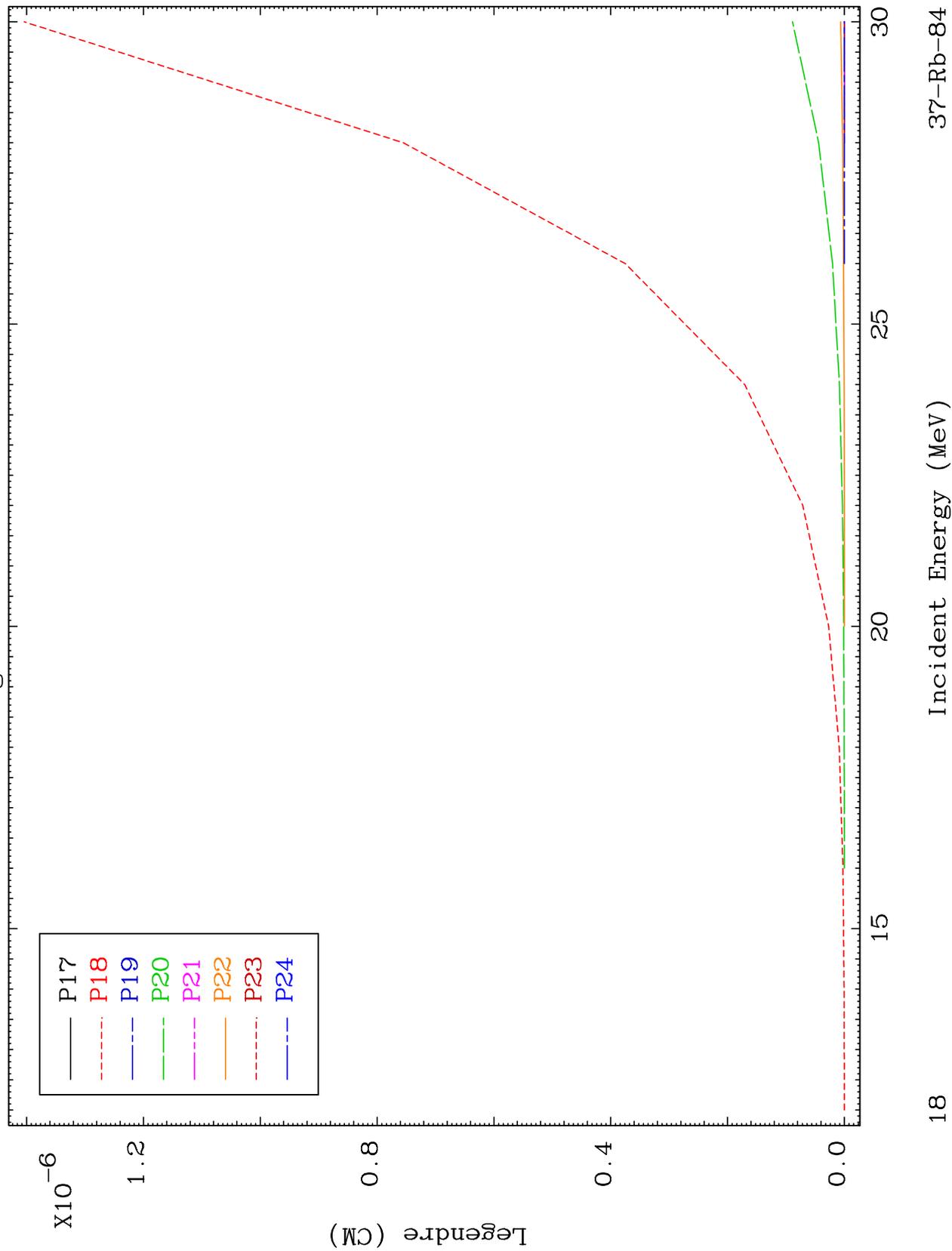


17

MAT 3723

Elastic Legendre Coefficients

37-Rb-84



18

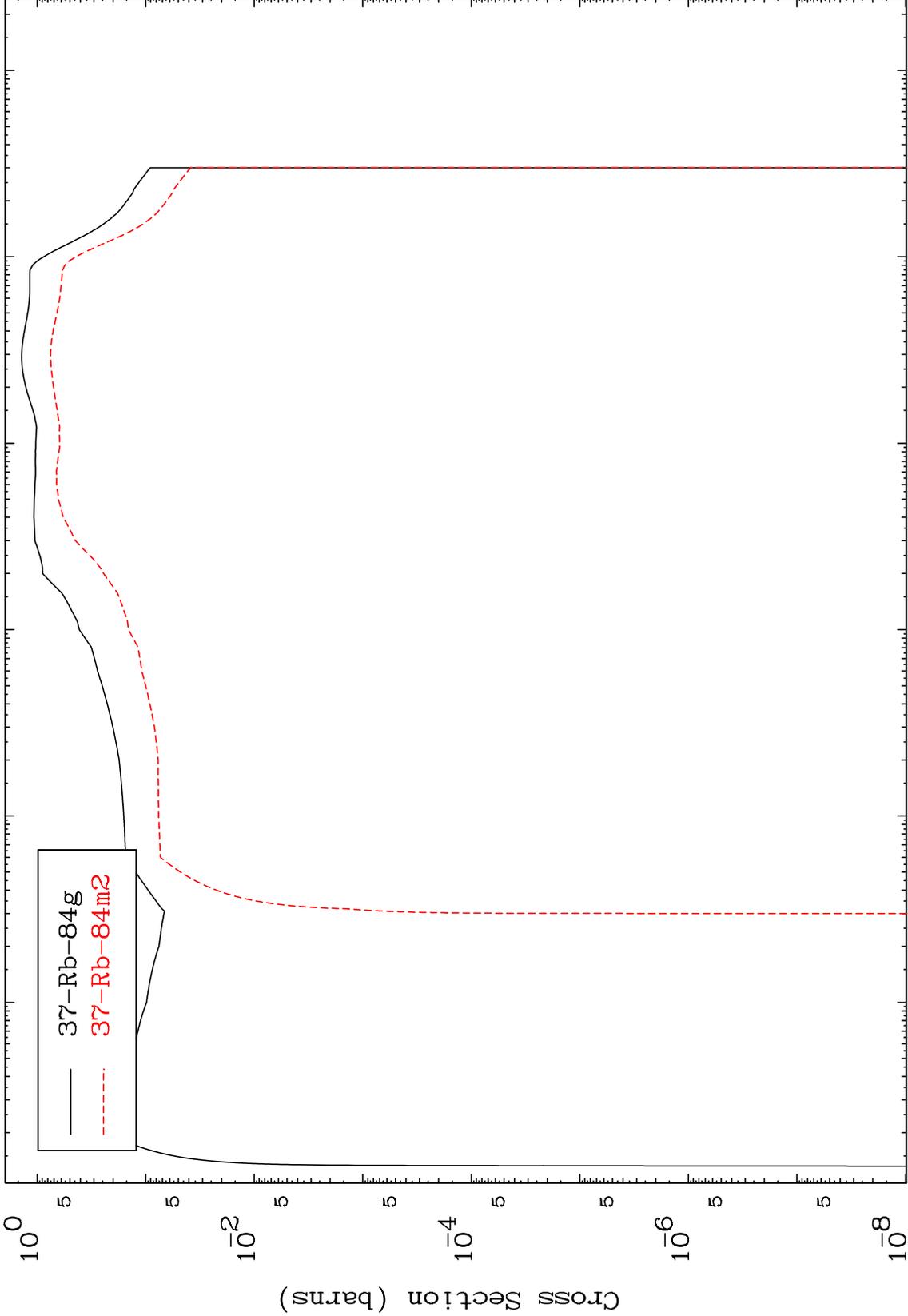
Incident Energy (MeV)

37-Rb-84

MAT 3723

37-Rb-84

Inelastic
Radionuclide Production Cross Section



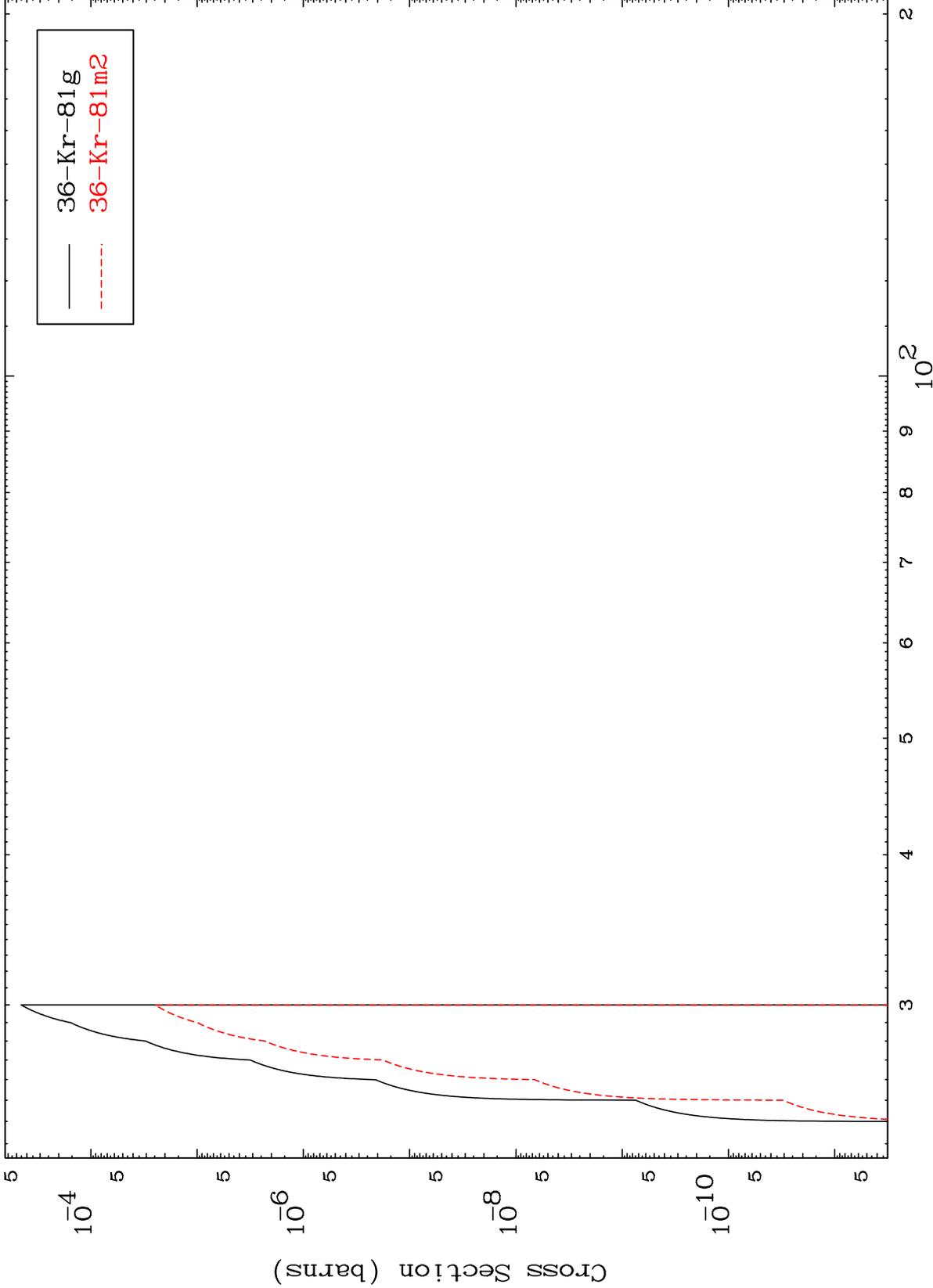
— 37-Rb-84g
- - - 37-Rb-84m2

MAT 3723

(n,2n) d

37-Rb-84

Radionuclide Production Cross Section



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

20

Incident Energy (MeV)

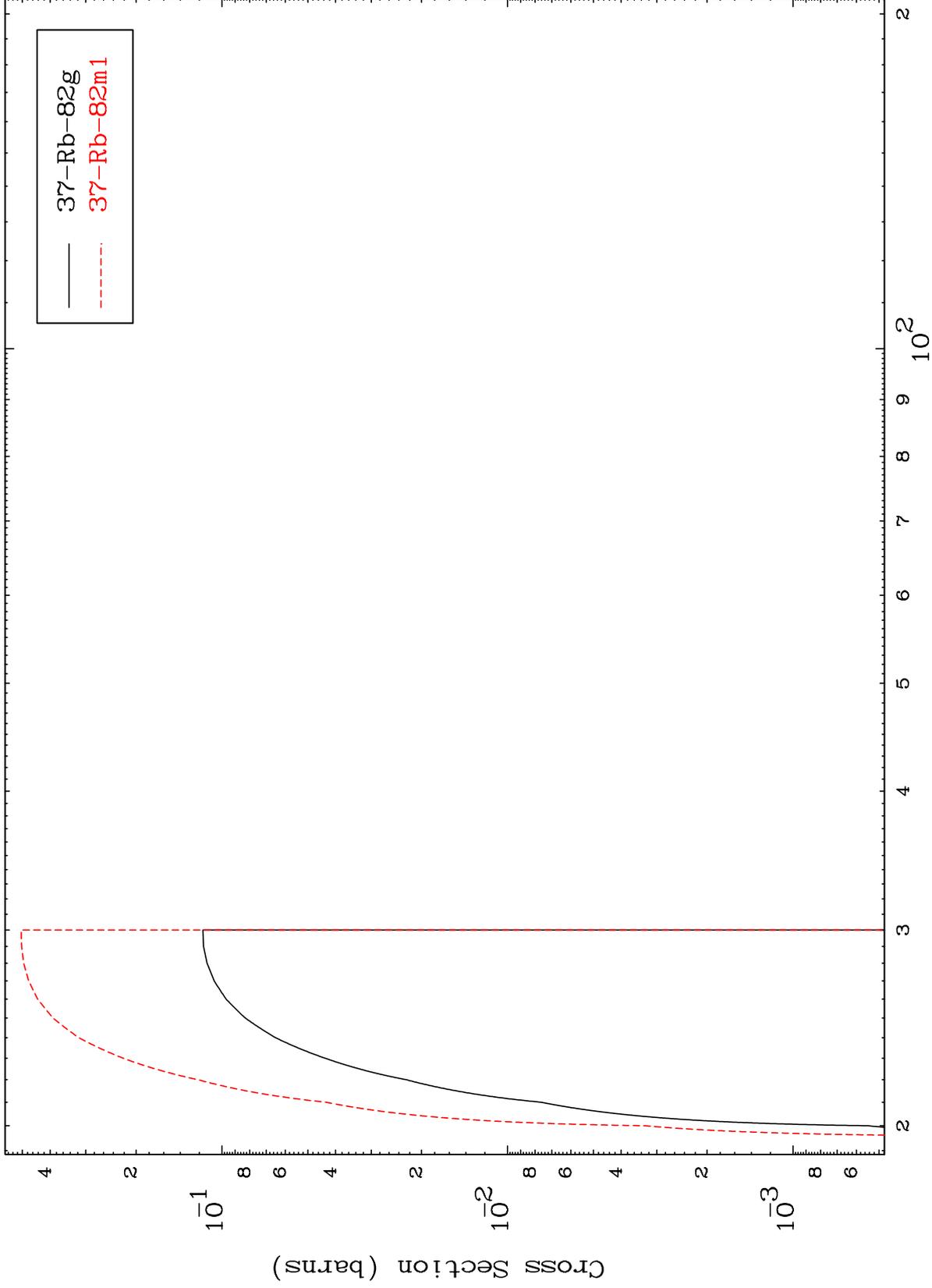
37-Rb-84

MAT 3723

(n,3n)

37-Rb-84

Radionuclide Production Cross Section



21

Incident Energy (MeV)

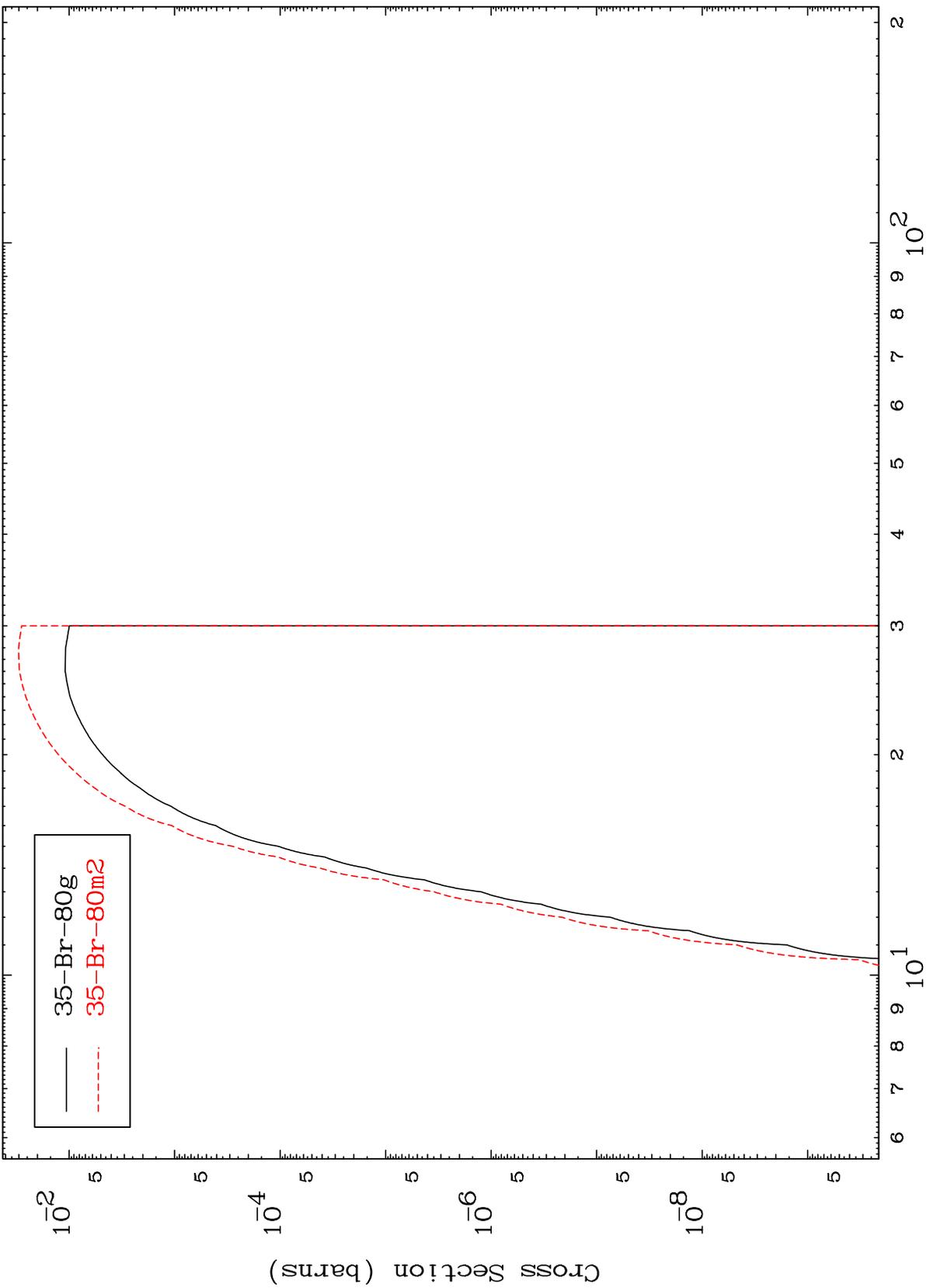
37-Rb-84

MAT 3723

37-Rb-84

(n,n') α

Radionuclide Production Cross Section



22

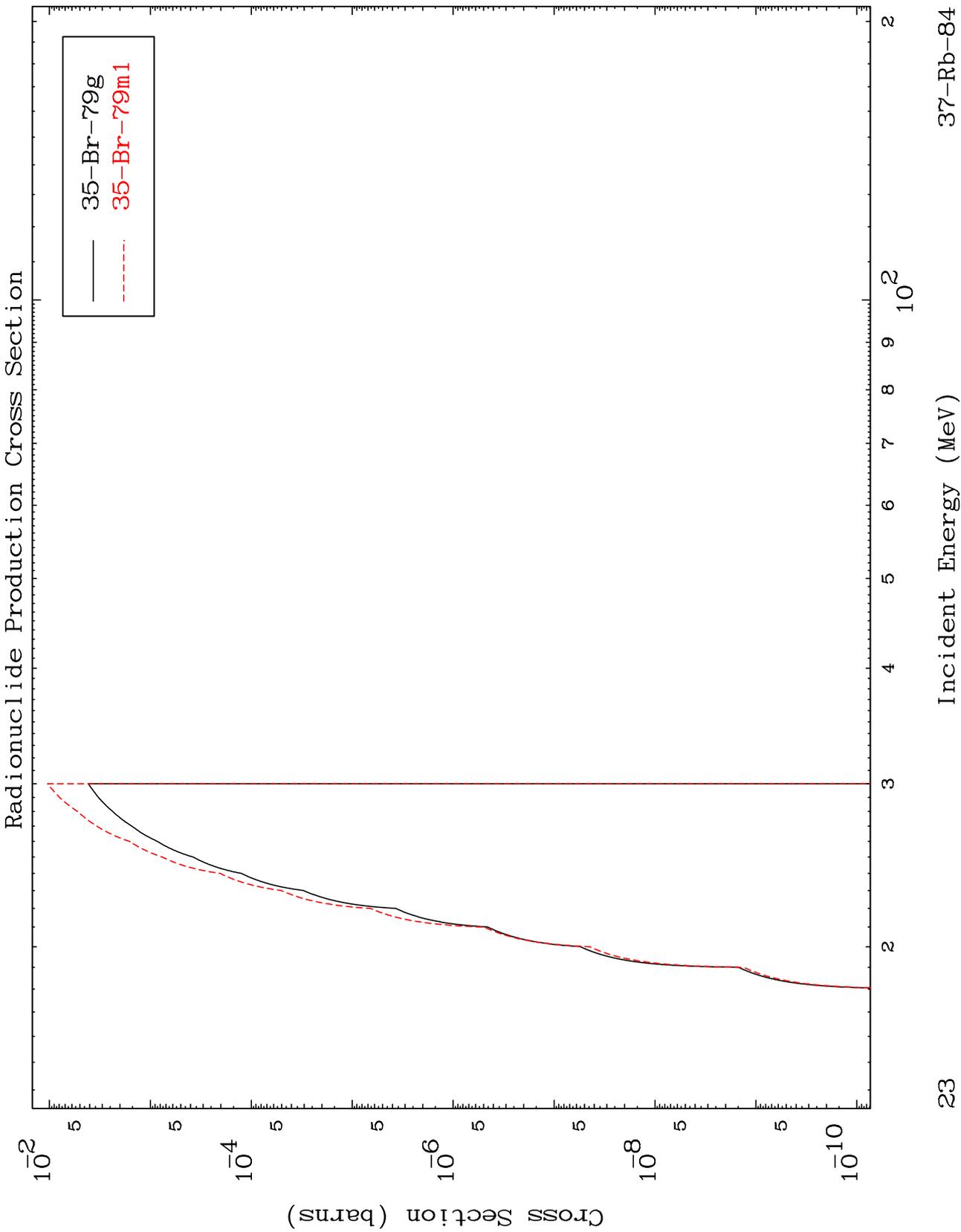
Incident Energy (MeV)

37-Rb-84

MAT 3723

$(n,2n) \alpha$

37-Rb-84



23

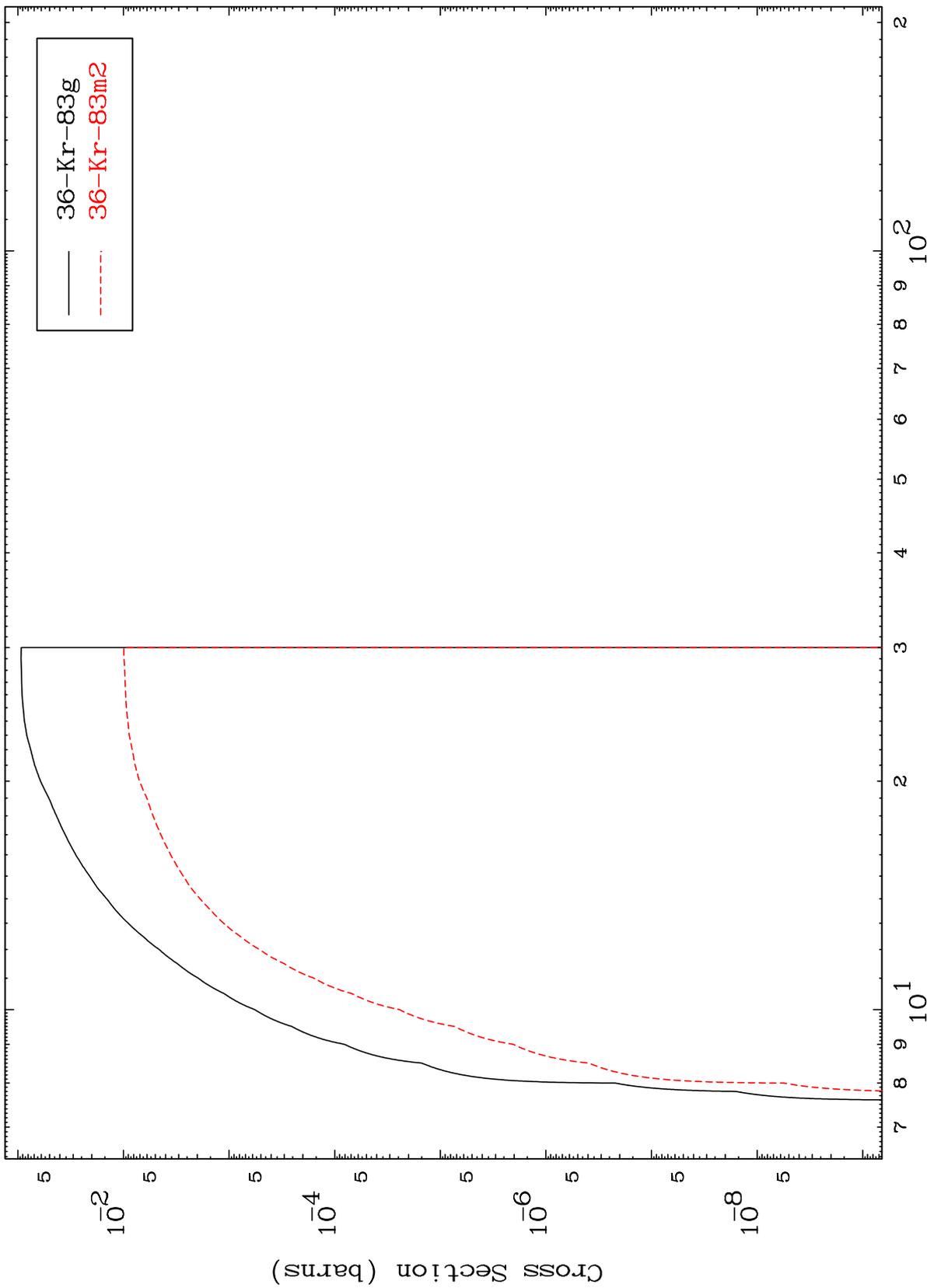
Incident Energy (MeV)

37-Rb-84

MAT 3723

37-Rb-84

(n, n') p
Radionuclide Production Cross Section

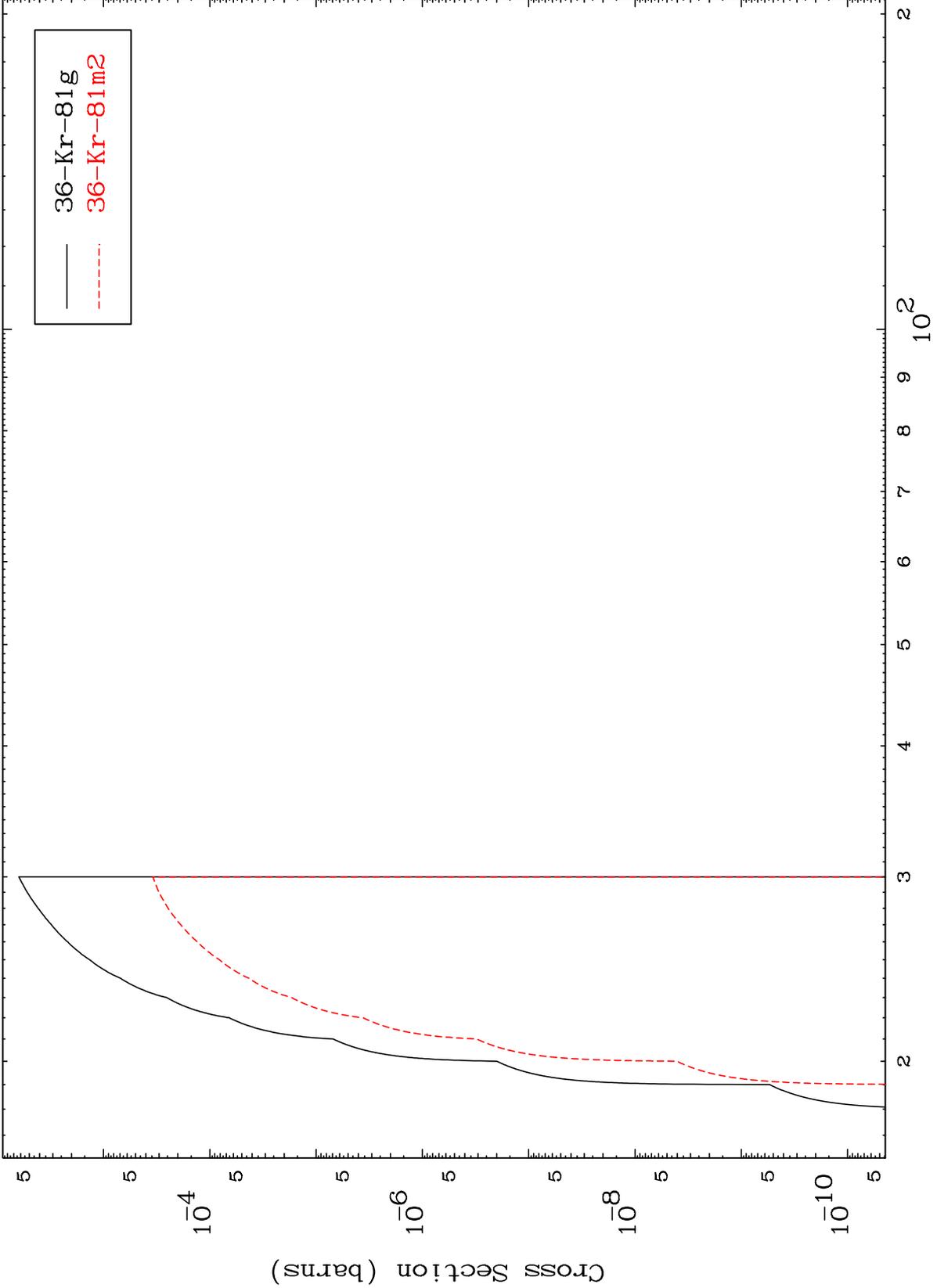


24

Incident Energy (MeV)

37-Rb-84

Radionuclide Production Cross Section

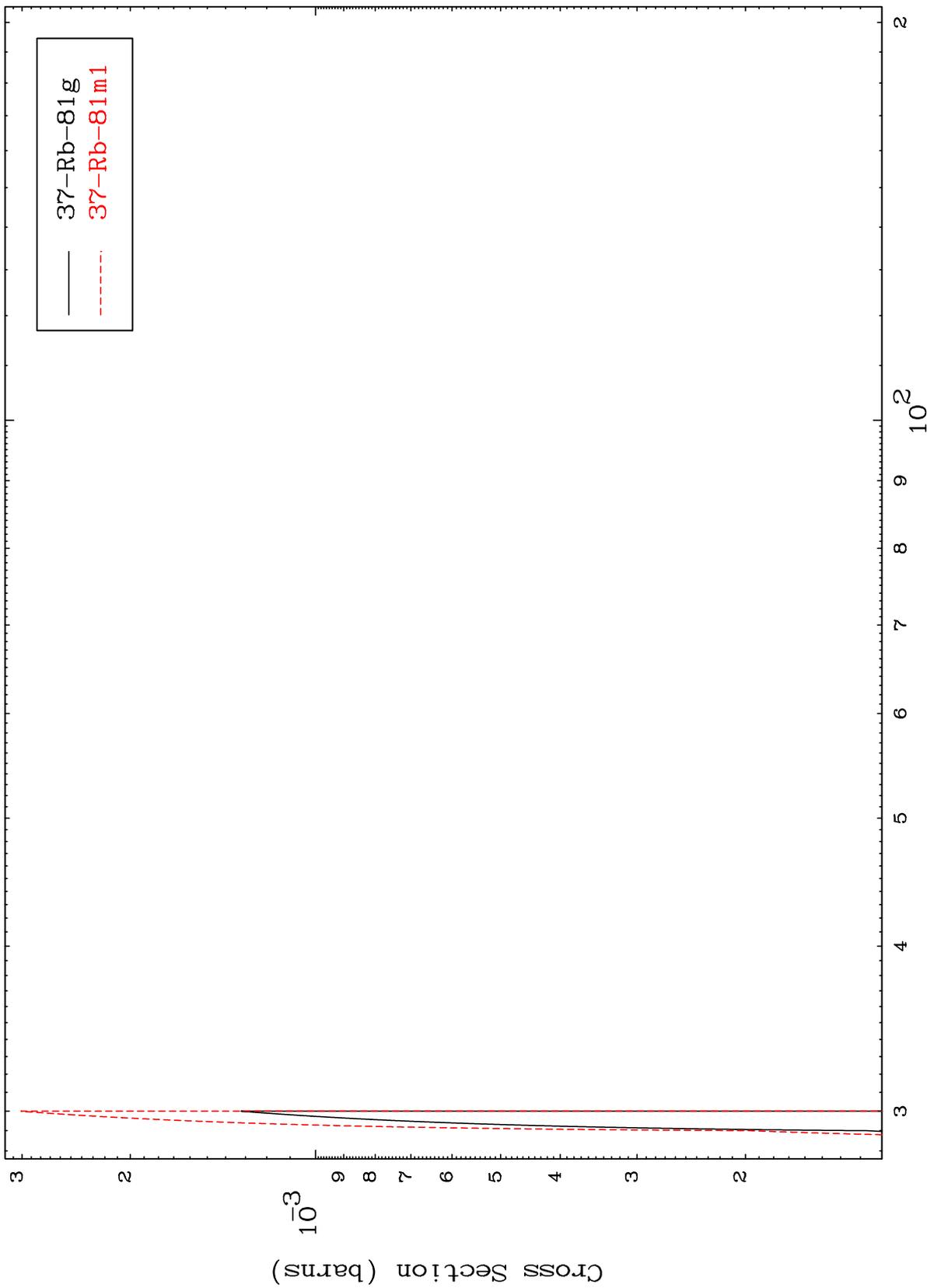


36-Kr-81g
36-Kr-81m2

MAT 3723

³⁷Rb-84

(n,4n)
Radionuclide Production Cross Section

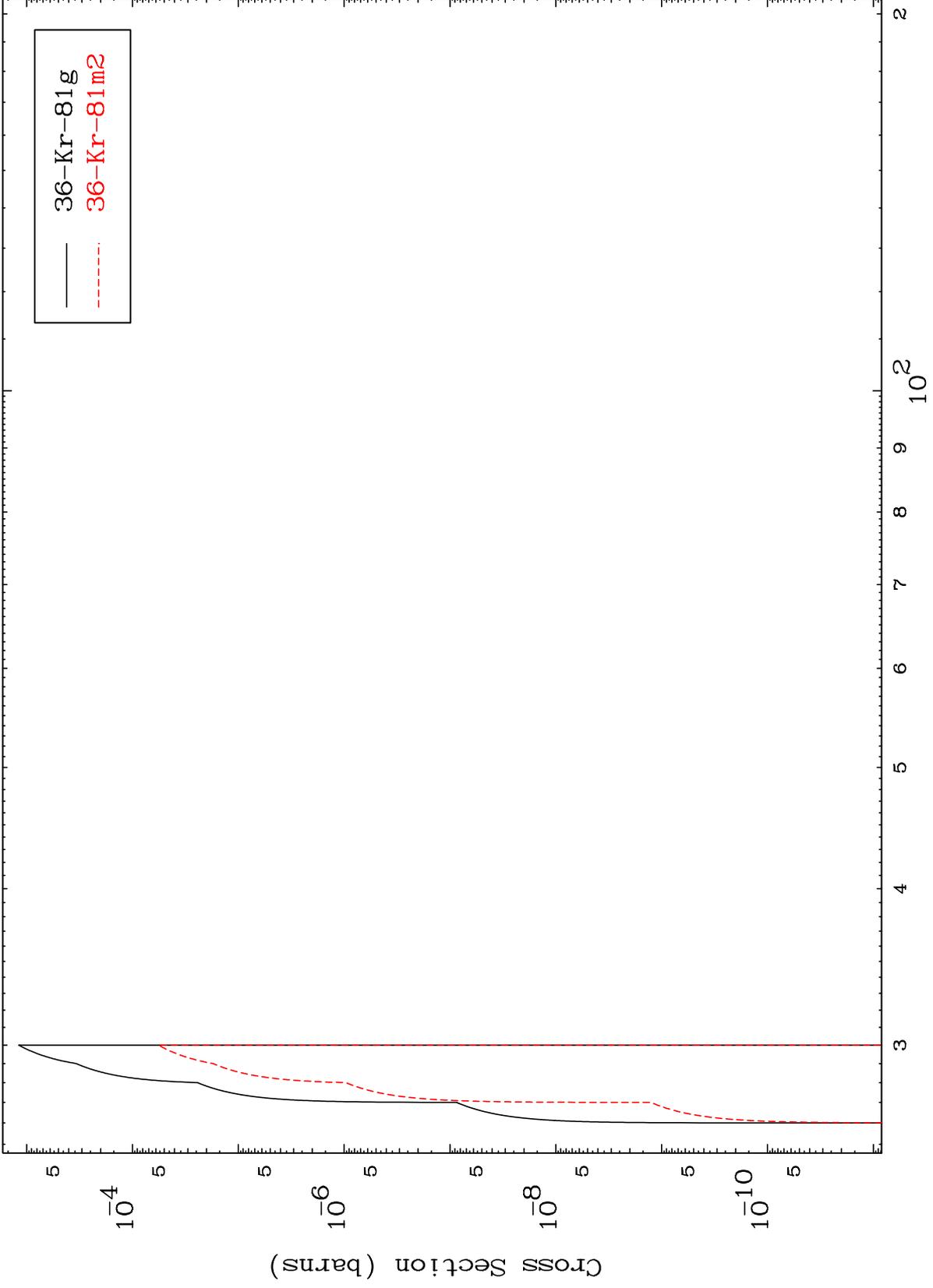


³⁷Rb-84

Incident Energy (MeV)

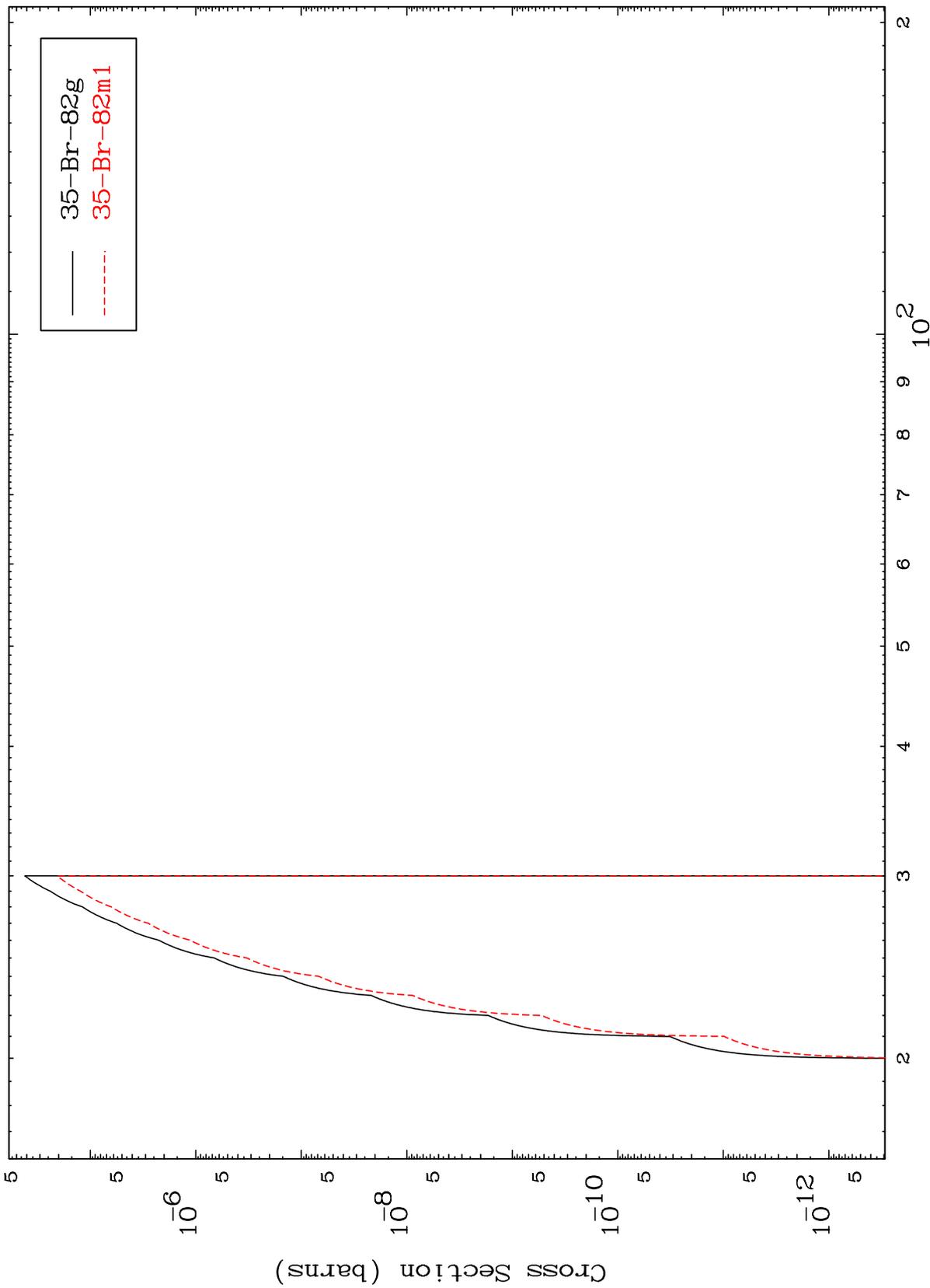
26

Radionuclide Production Cross Section

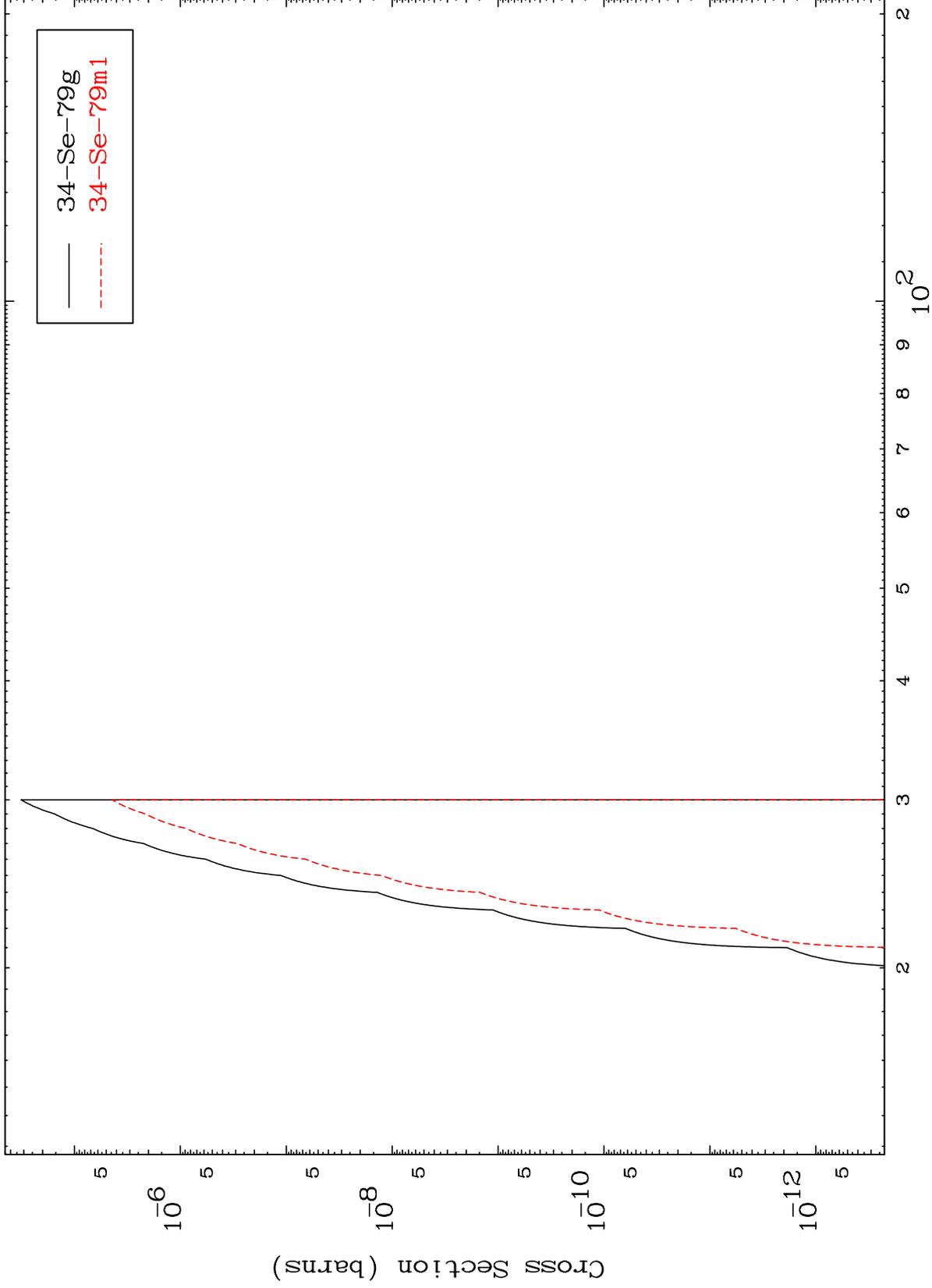


— 36-Kr-81g
- - - 36-Kr-81m2

Radionuclide Production Cross Section



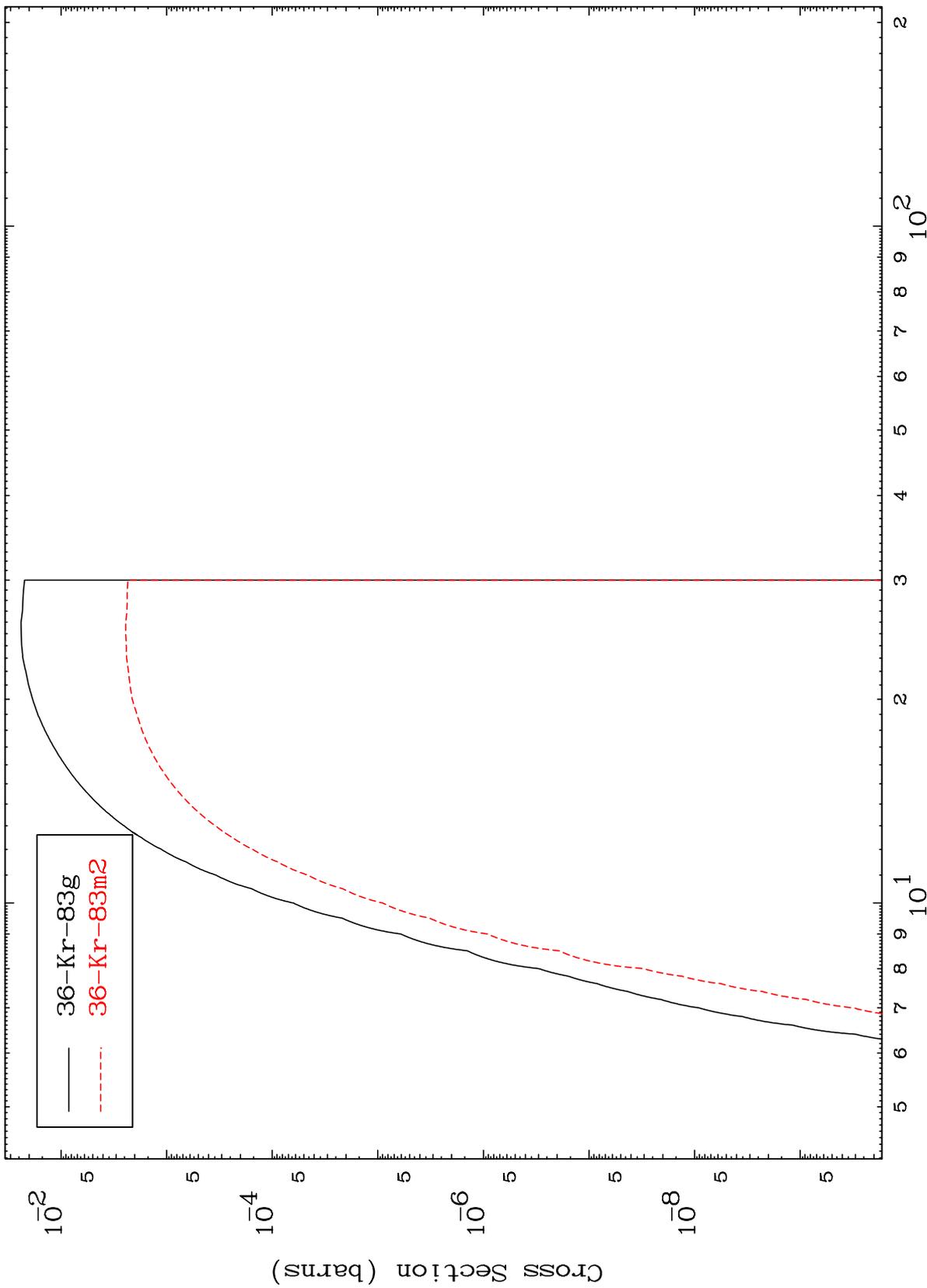
Radionuclide Production Cross Section



MAT 3723

37-Rb-84

(n,d)
Radionuclide Production Cross Section

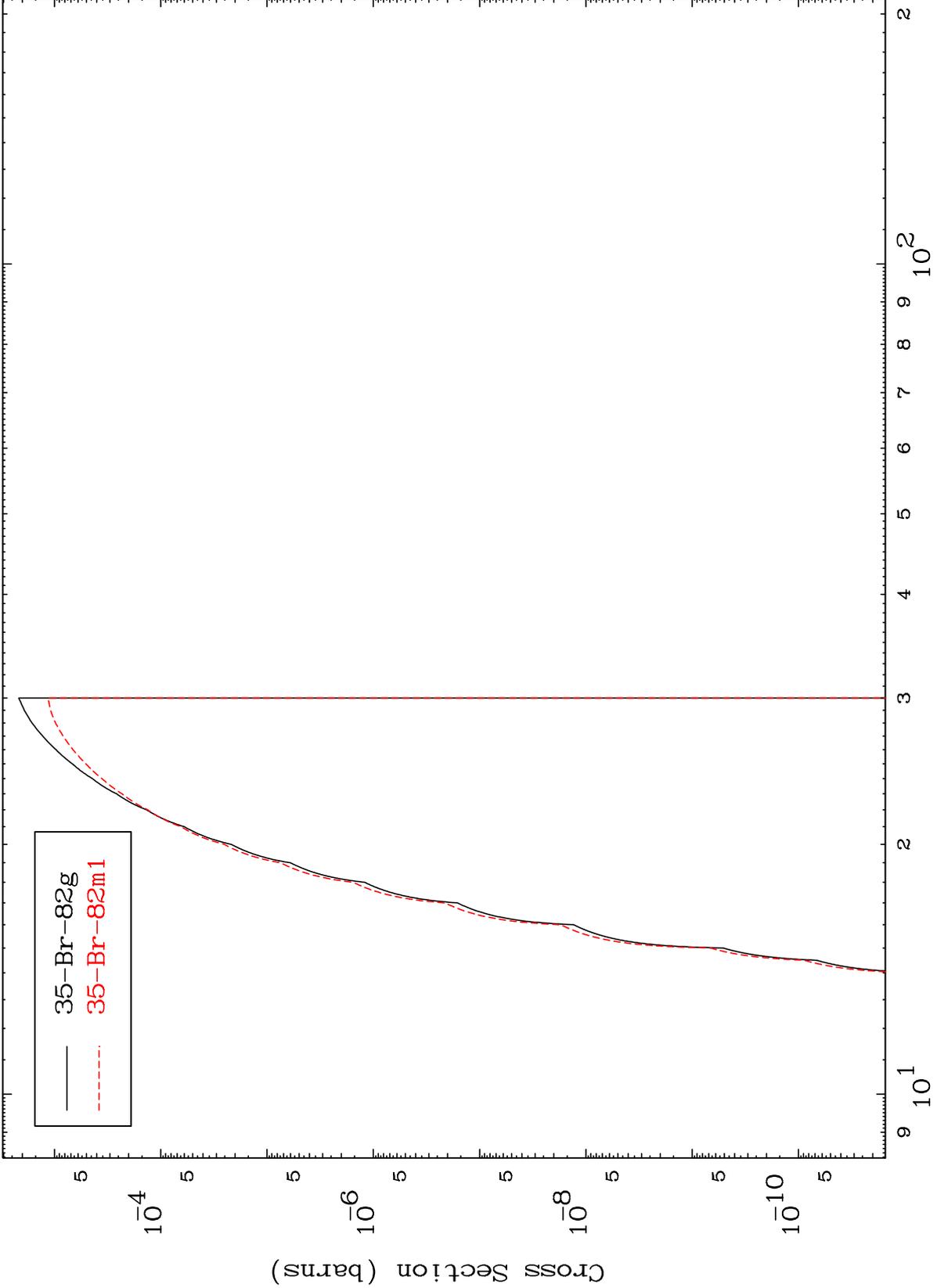


30

Incident Energy (MeV)

37-Rb-84

Radionuclide Production Cross Section

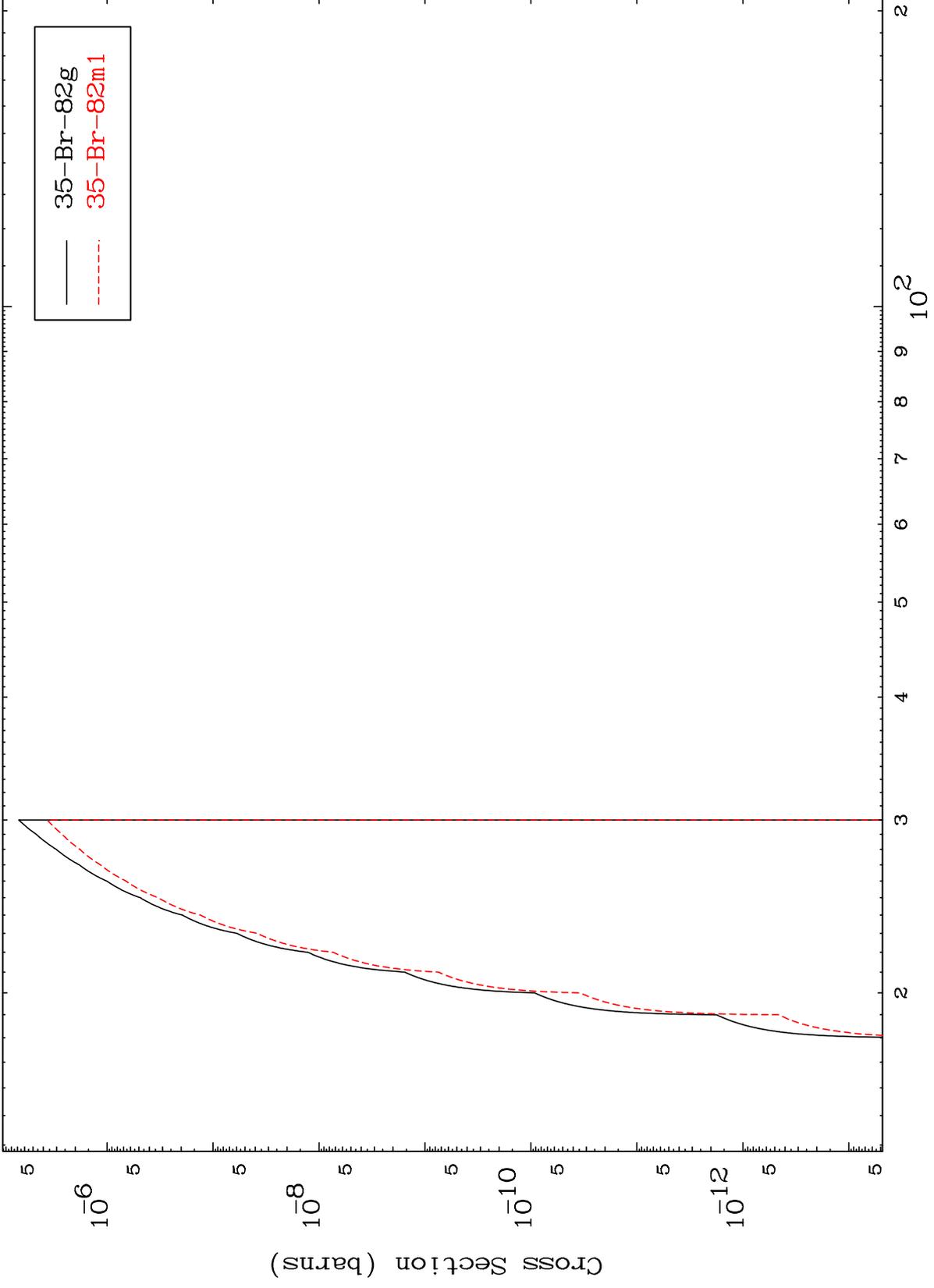


MAT 3723

(n,p) d

37-Rb-84

Radionuclide Production Cross Section



32

Incident Energy (MeV)

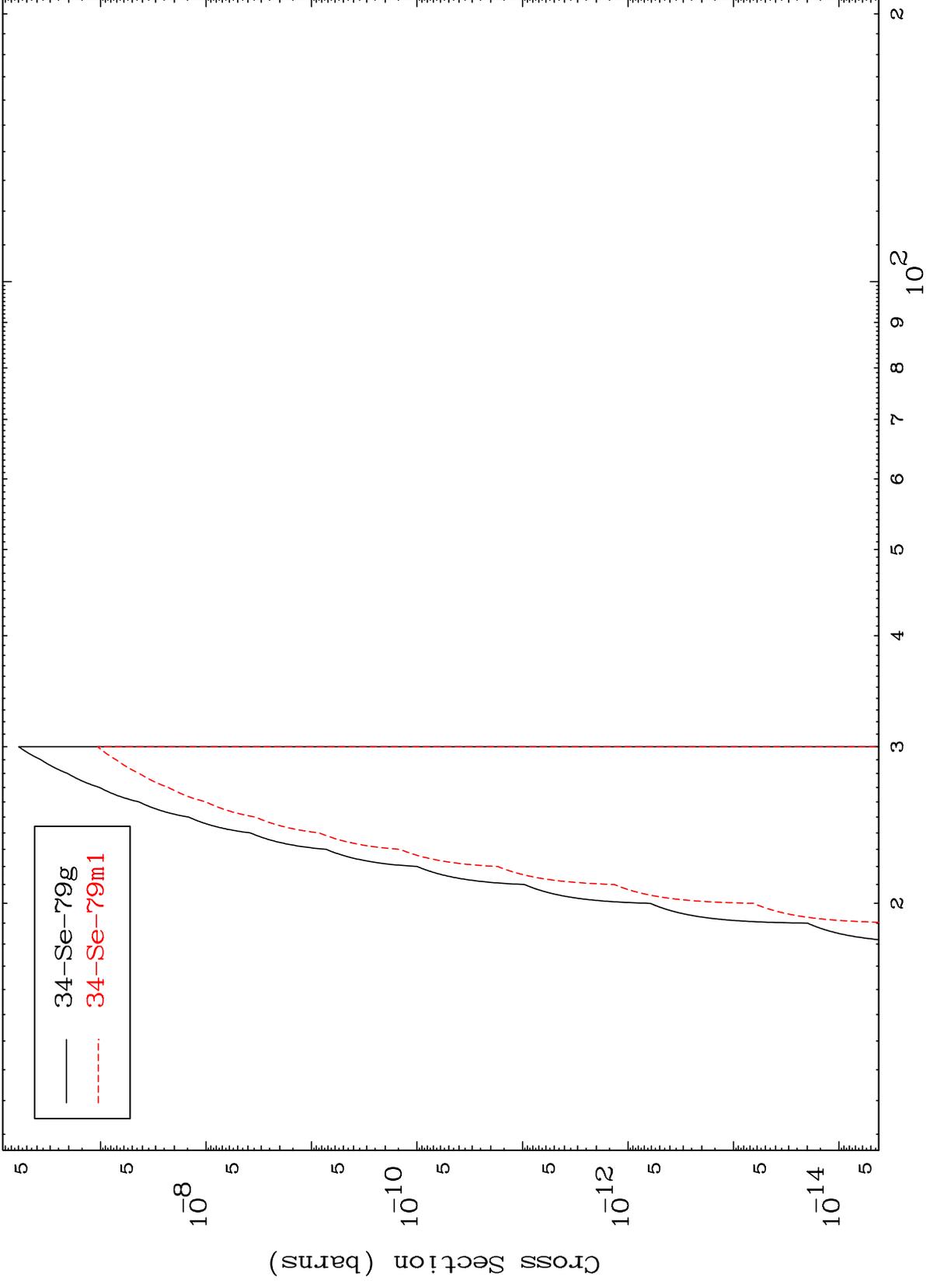
37-Rb-84

MAT 3723

(n,d) α

37-Rb-84

Radionuclide Production Cross Section



33

Incident Energy (MeV)

37-Rb-84