

Program EVALPLOT
(Version 2021-1)

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

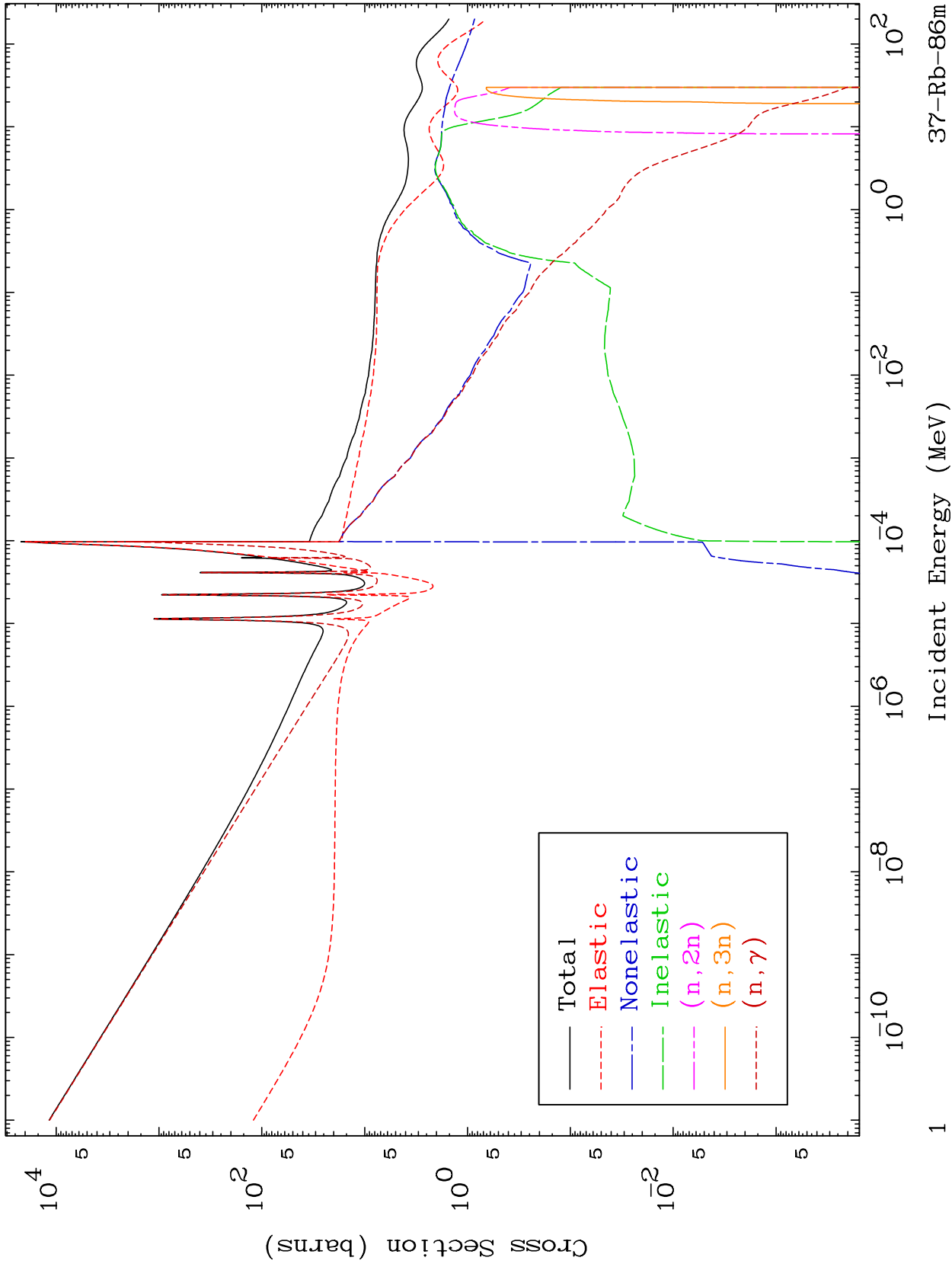
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3729

Neutron Major
293 Kelvin Cross Sections

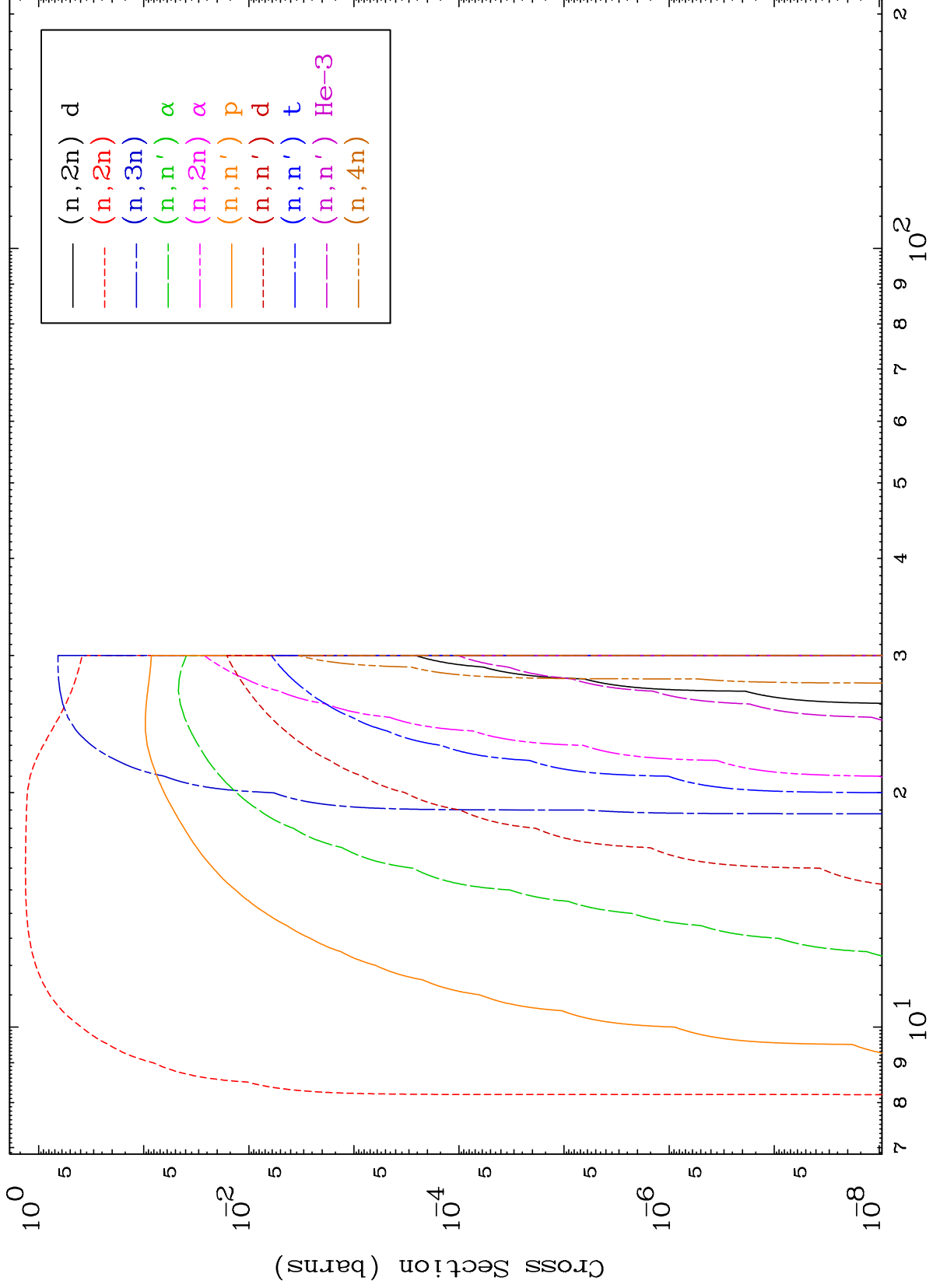
37-Rb-86m



MAT 3729

Neutron Absorption
293 Kelvin Cross Sections

37-Rb-86m



2

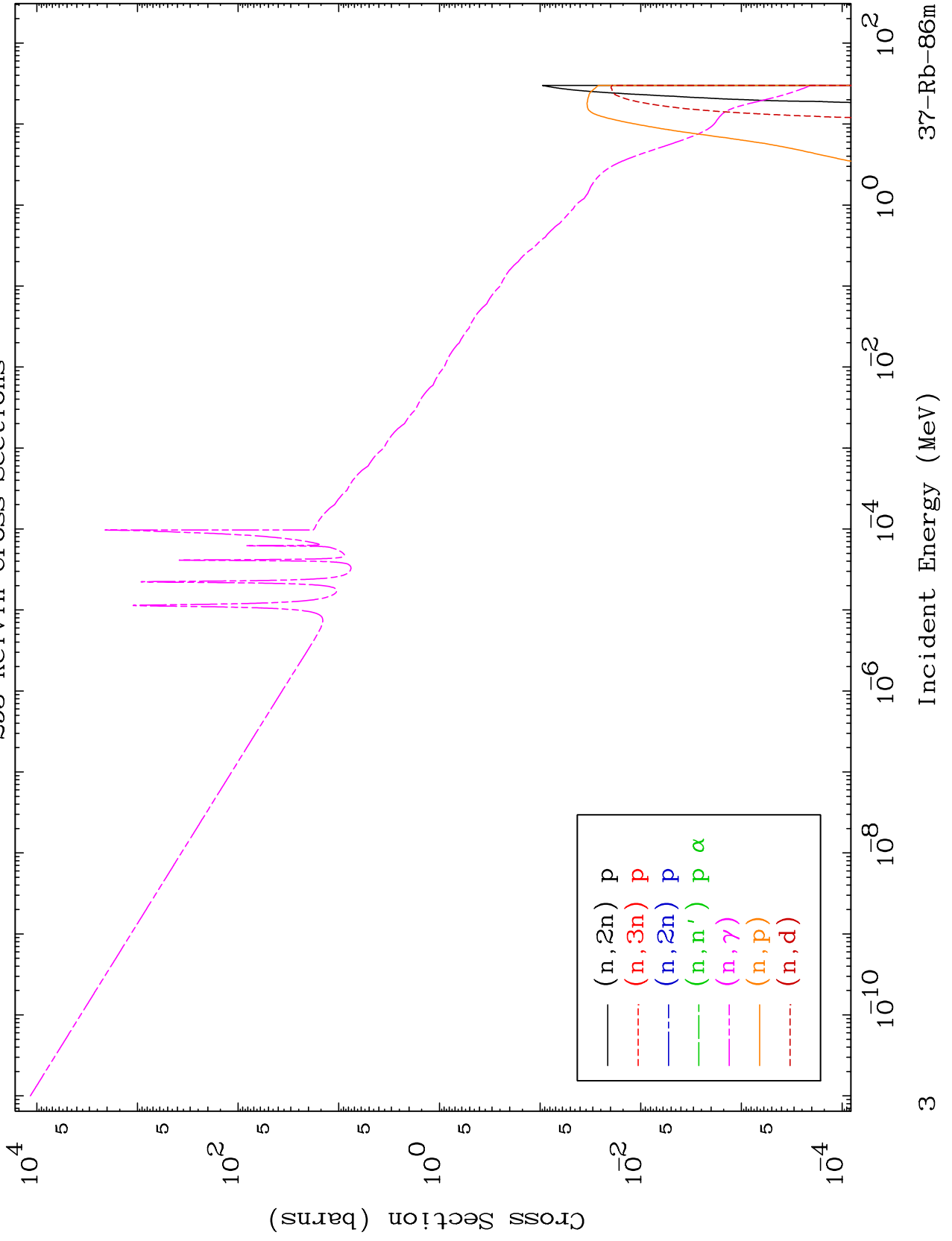
Incident Energy (MeV)

37-Rb-86m

MAT 3729

Neutron Absorption
293 Kelvin Cross Sections

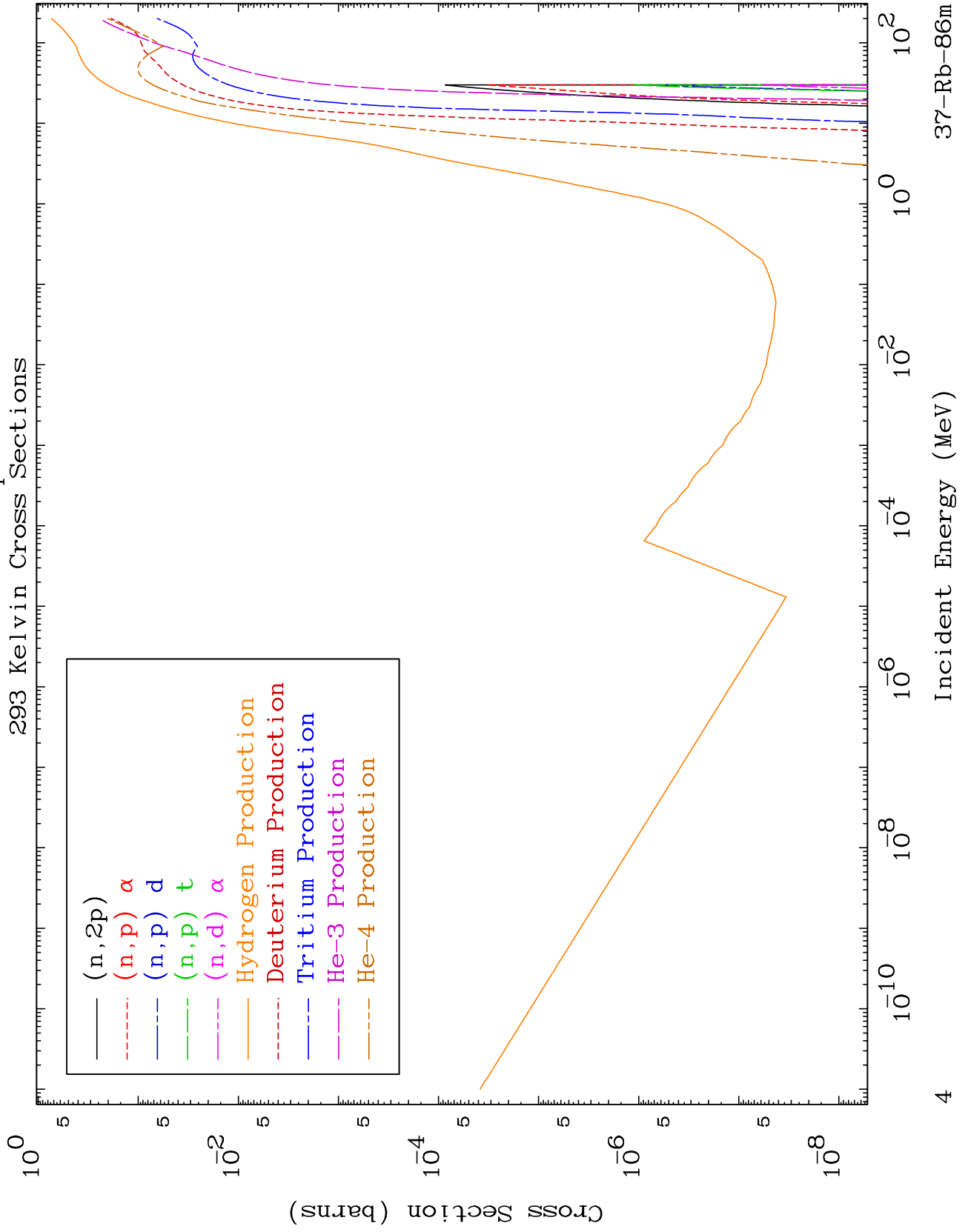
37-Rb-86m



MAT 3729

Neutron Absorption
293 Kelvin Cross Sections

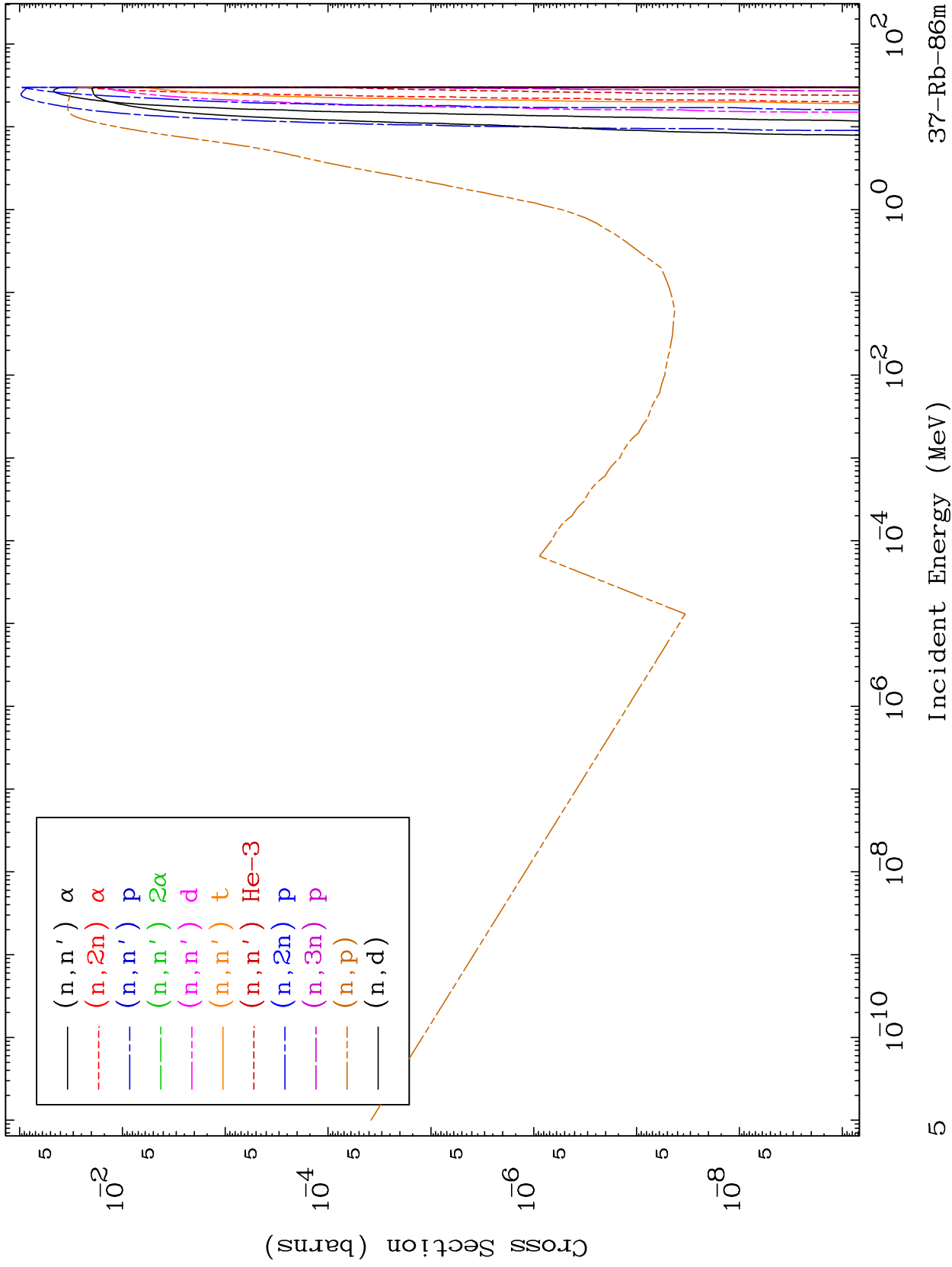
37-Rb-86m



MAT 3729

Charged Particle
293 Kelvin Cross Sections

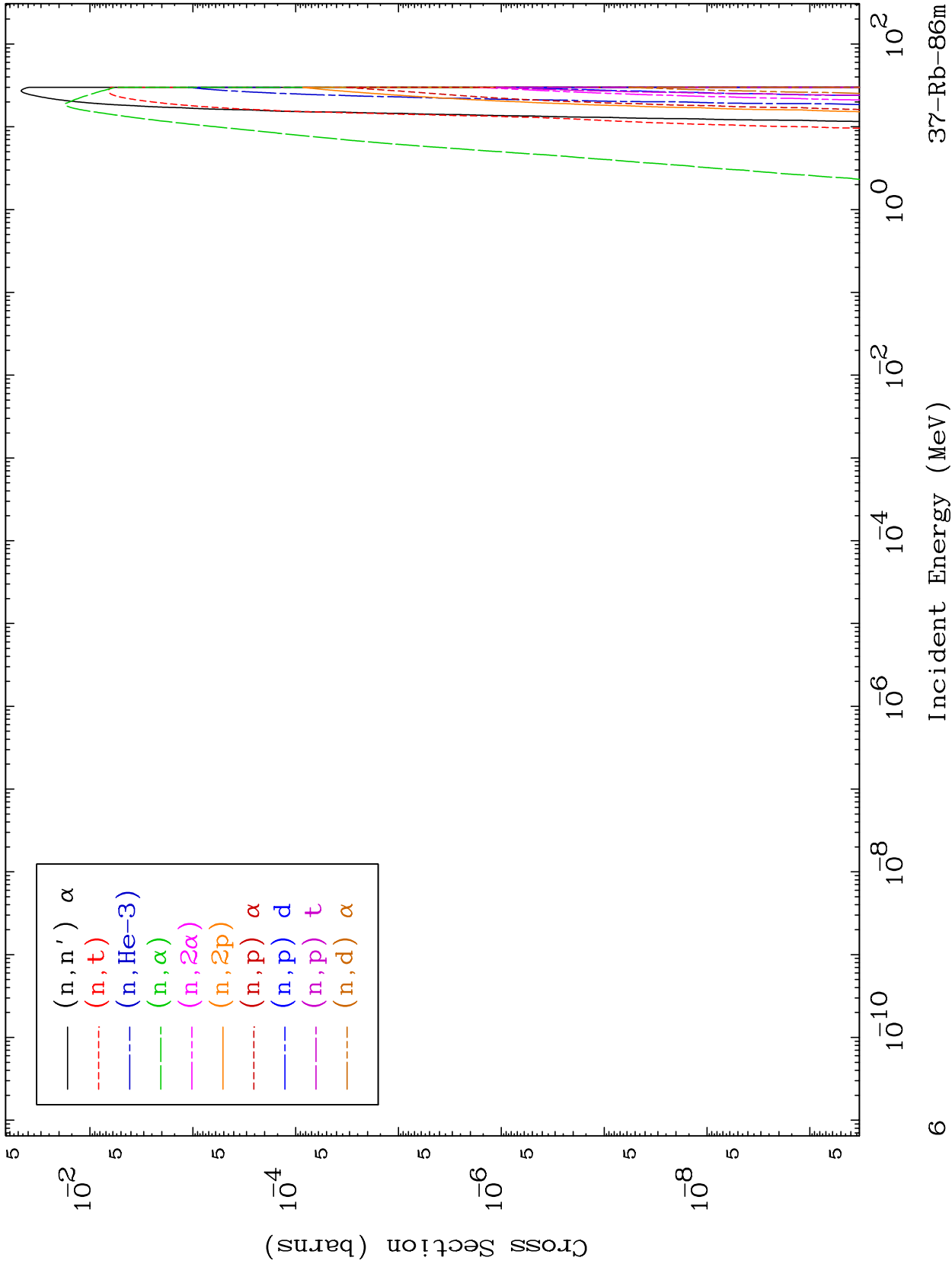
37-Rb-86m



MAT 3729

Charged Particle
293 Kelvin Cross Sections

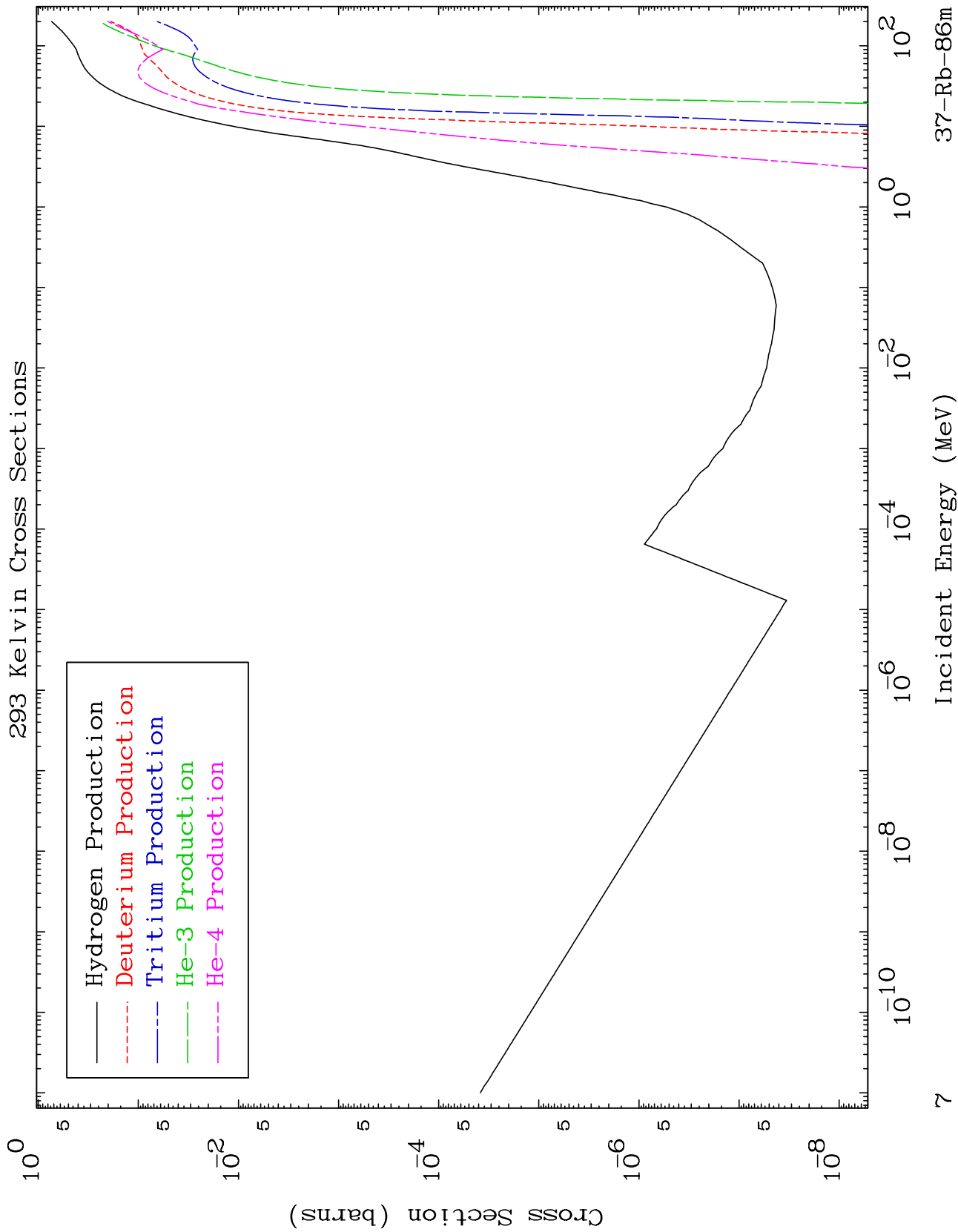
37-Rb-86m



MAT 3729

Particle Production
293 Kelvin Cross Sections

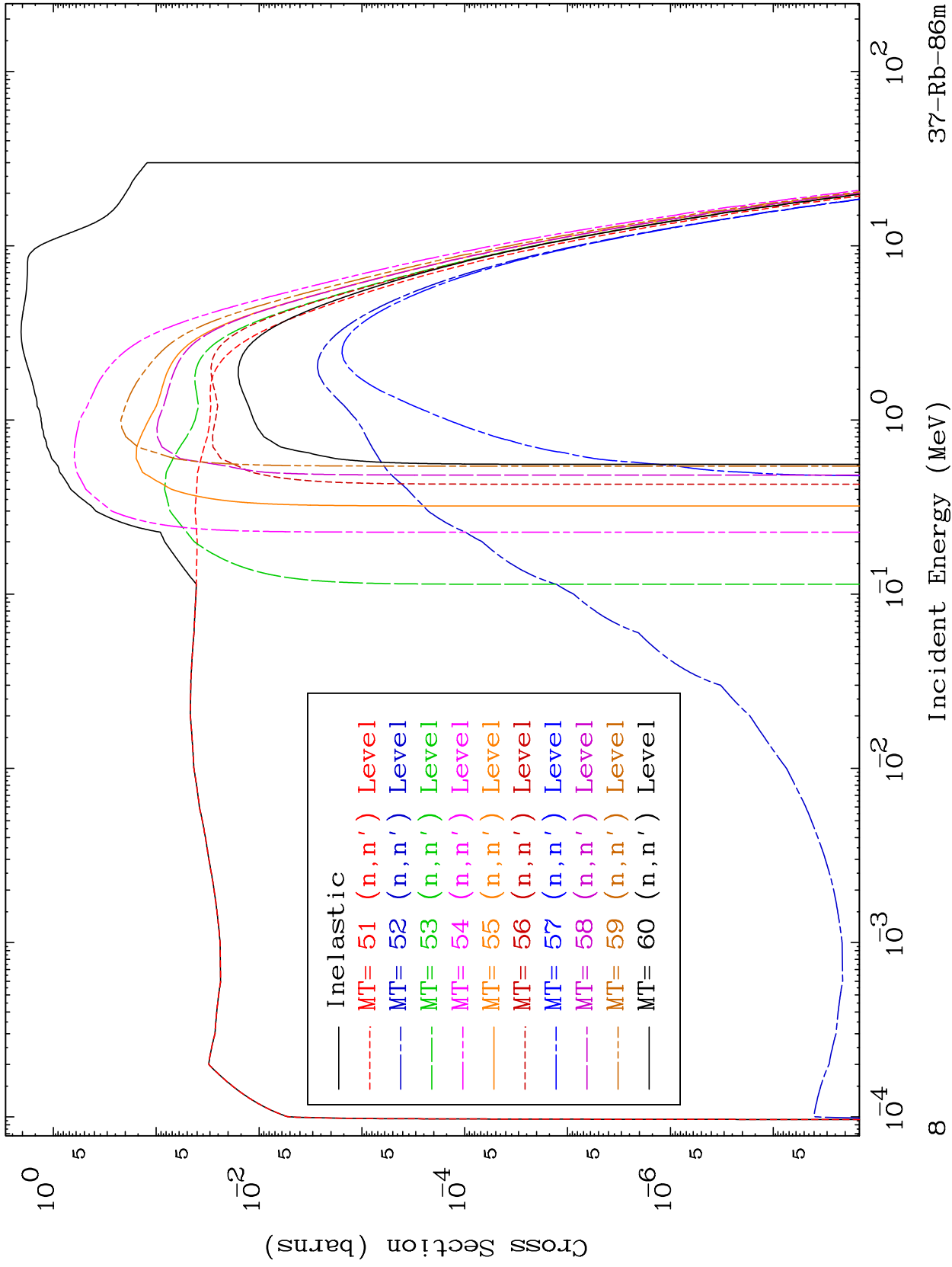
37-Rb-86m



MAT 3729

(n,n') Levels
293 Kelvin Cross Sections

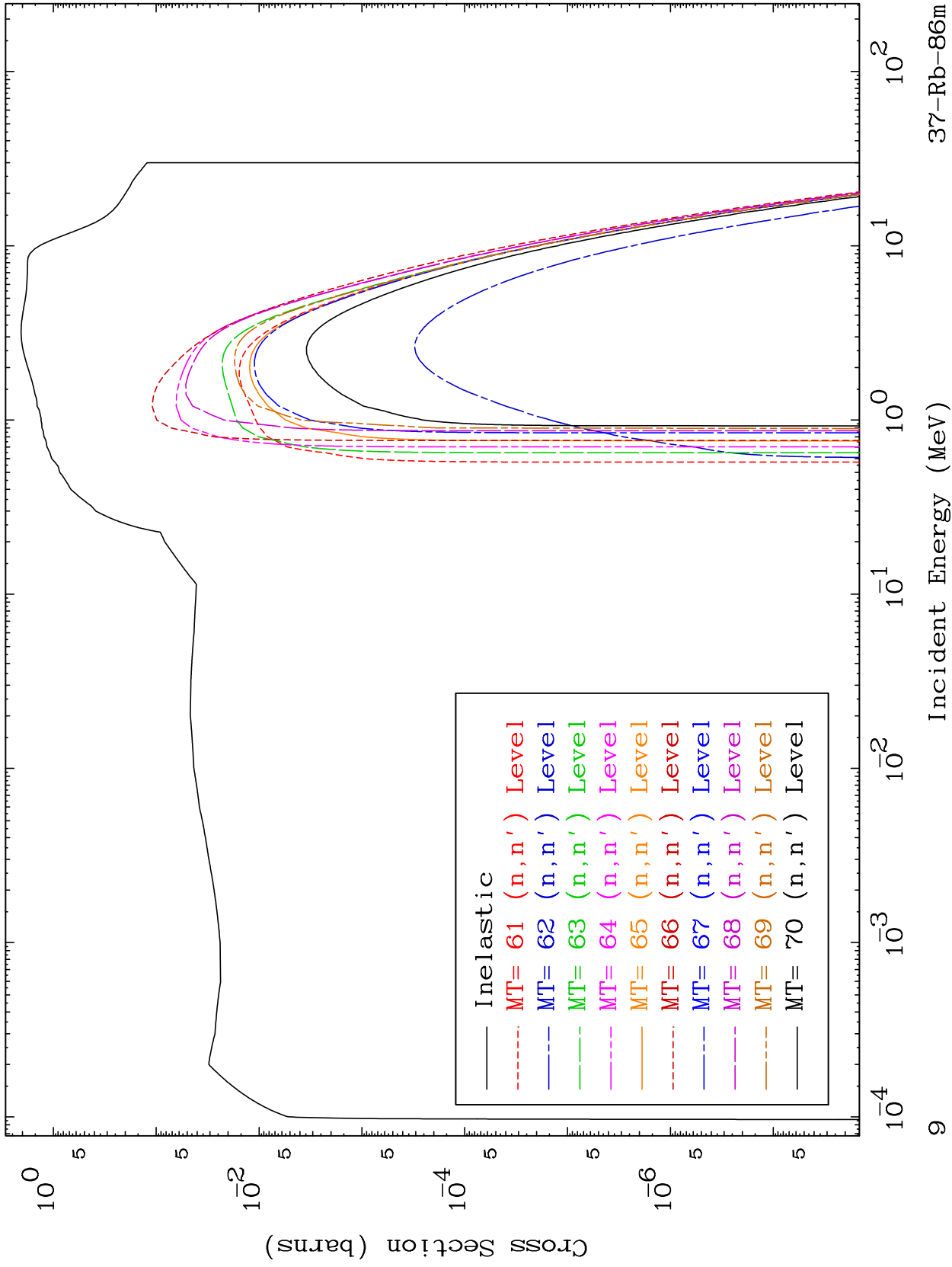
37-Rb-86m



MAT 3729

(n,n') Levels
293 Kelvin Cross Sections

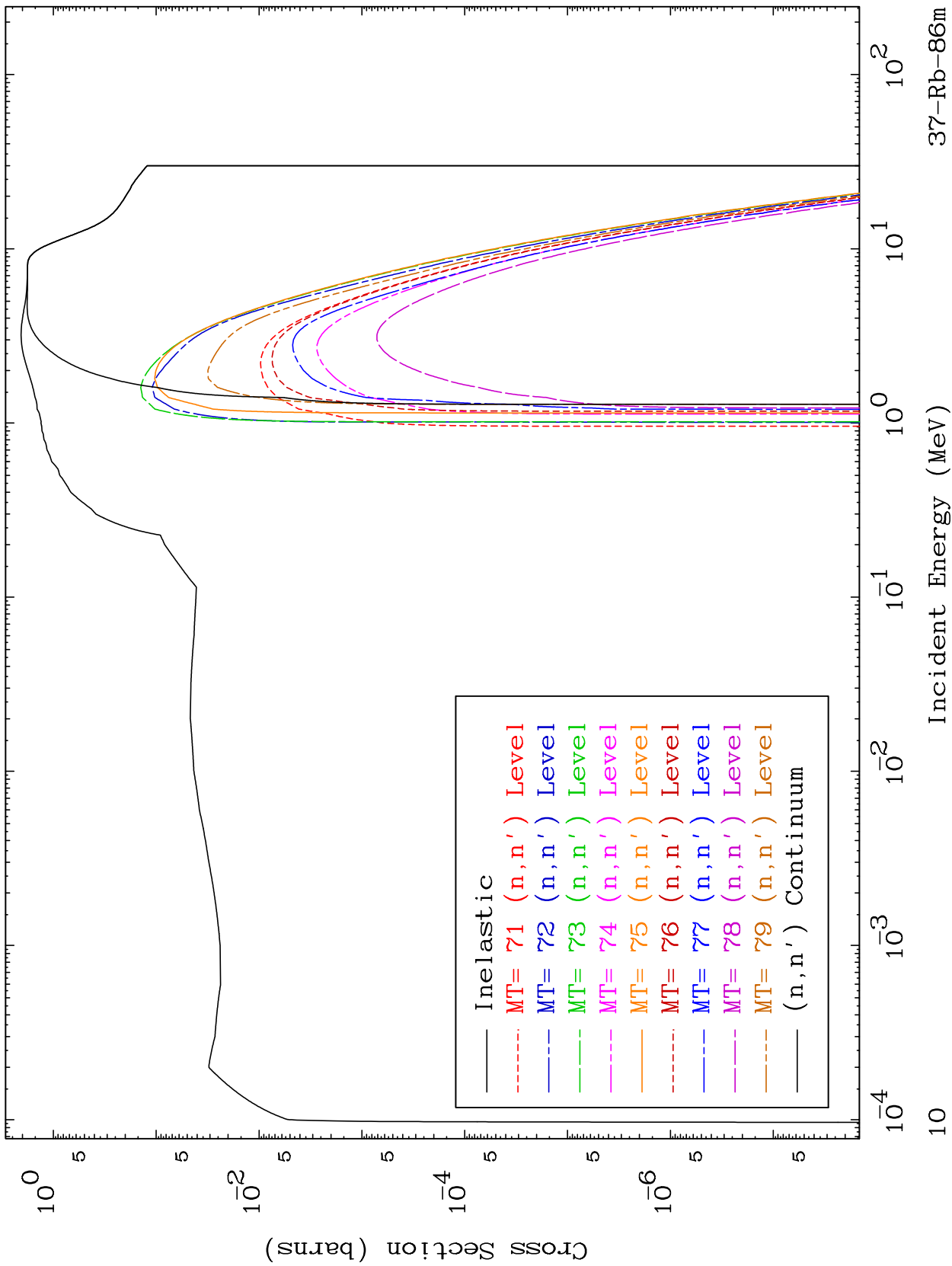
37-Rb-86m



MAT 3729

(n,n') Levels
293 Kelvin Cross Sections

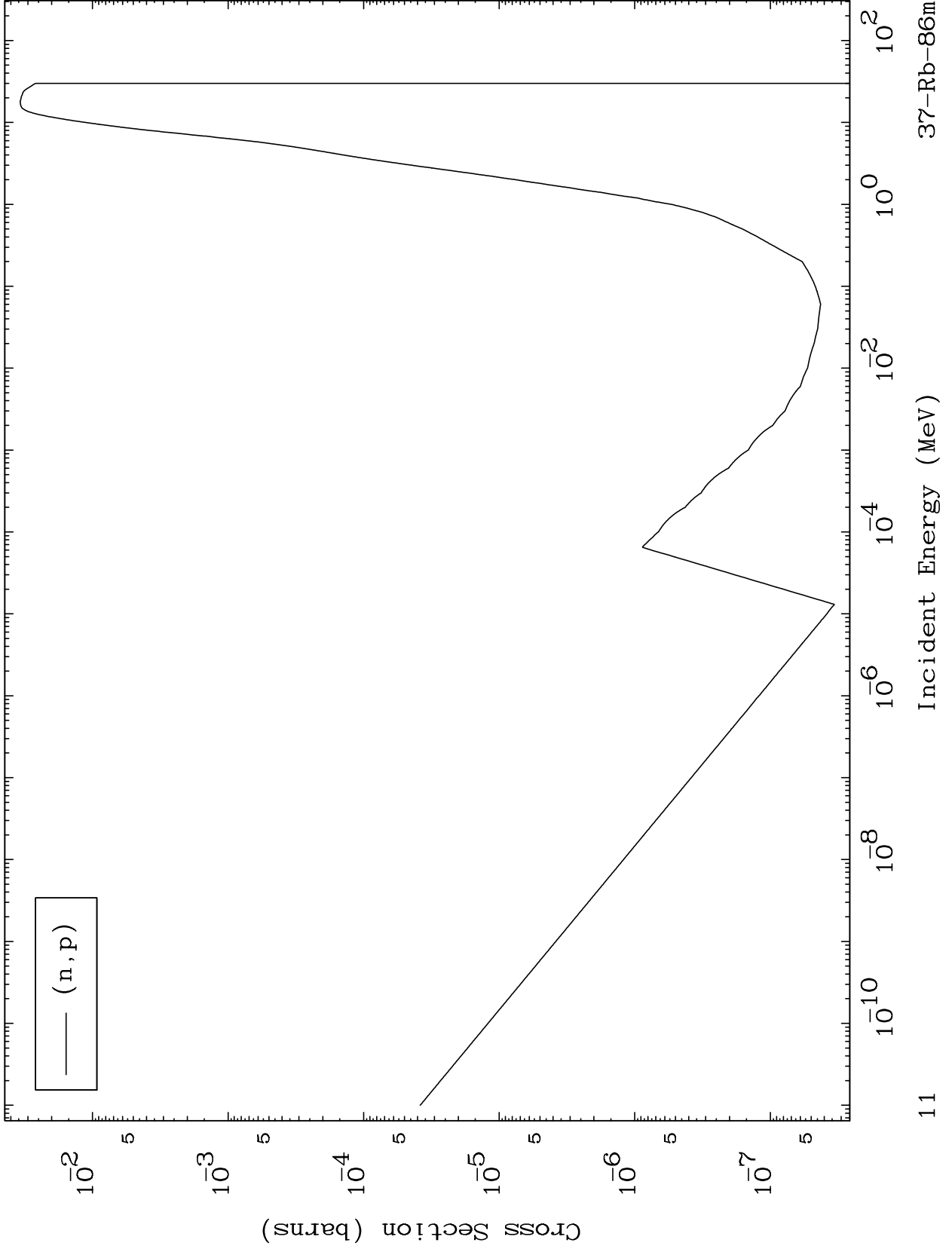
37-Rb-86m



MAT 3729

(n,p) Levels
293 Kelvin Cross Sections

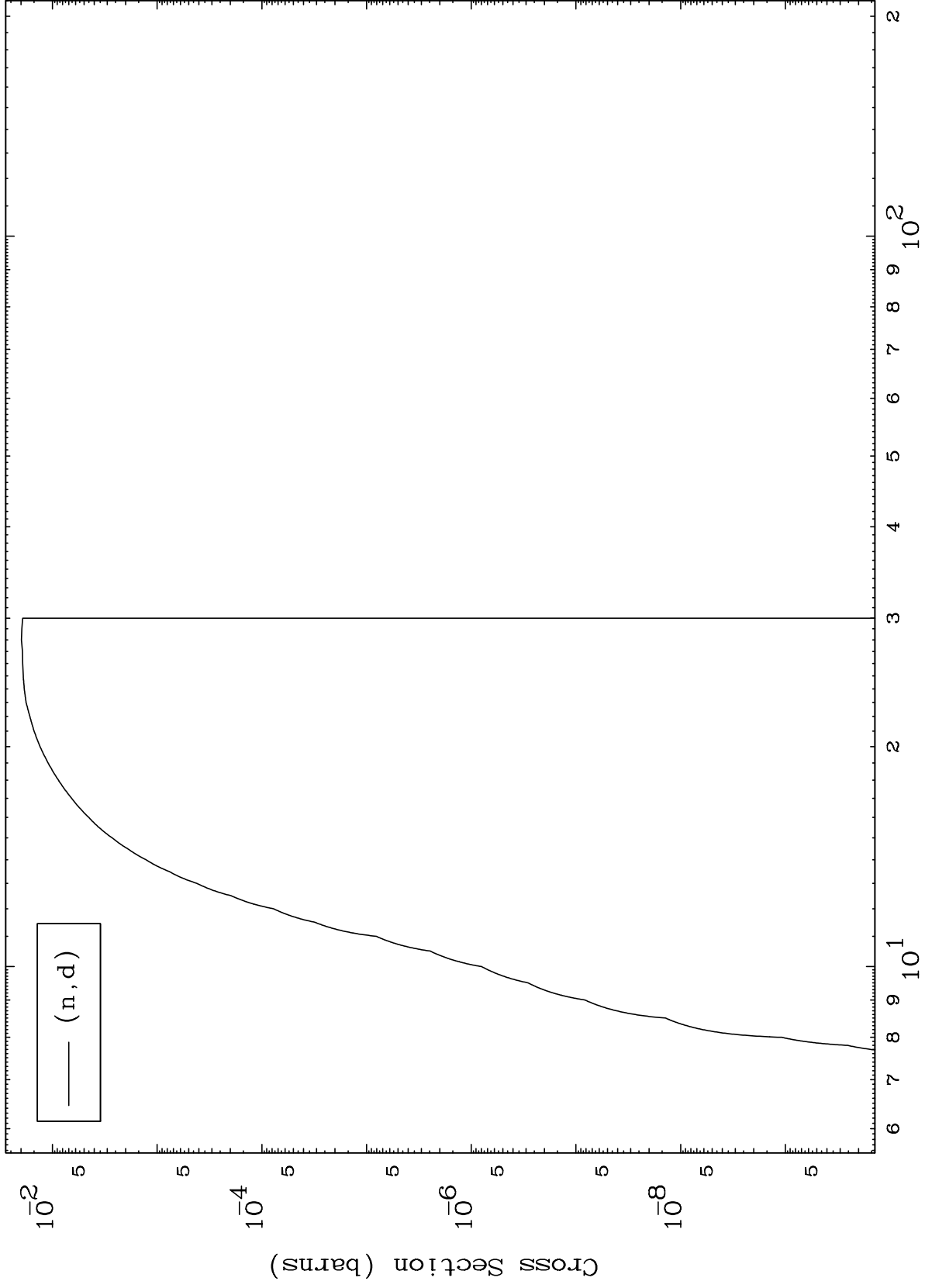
37-Rb-86m



MAT 3729

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-86m



12

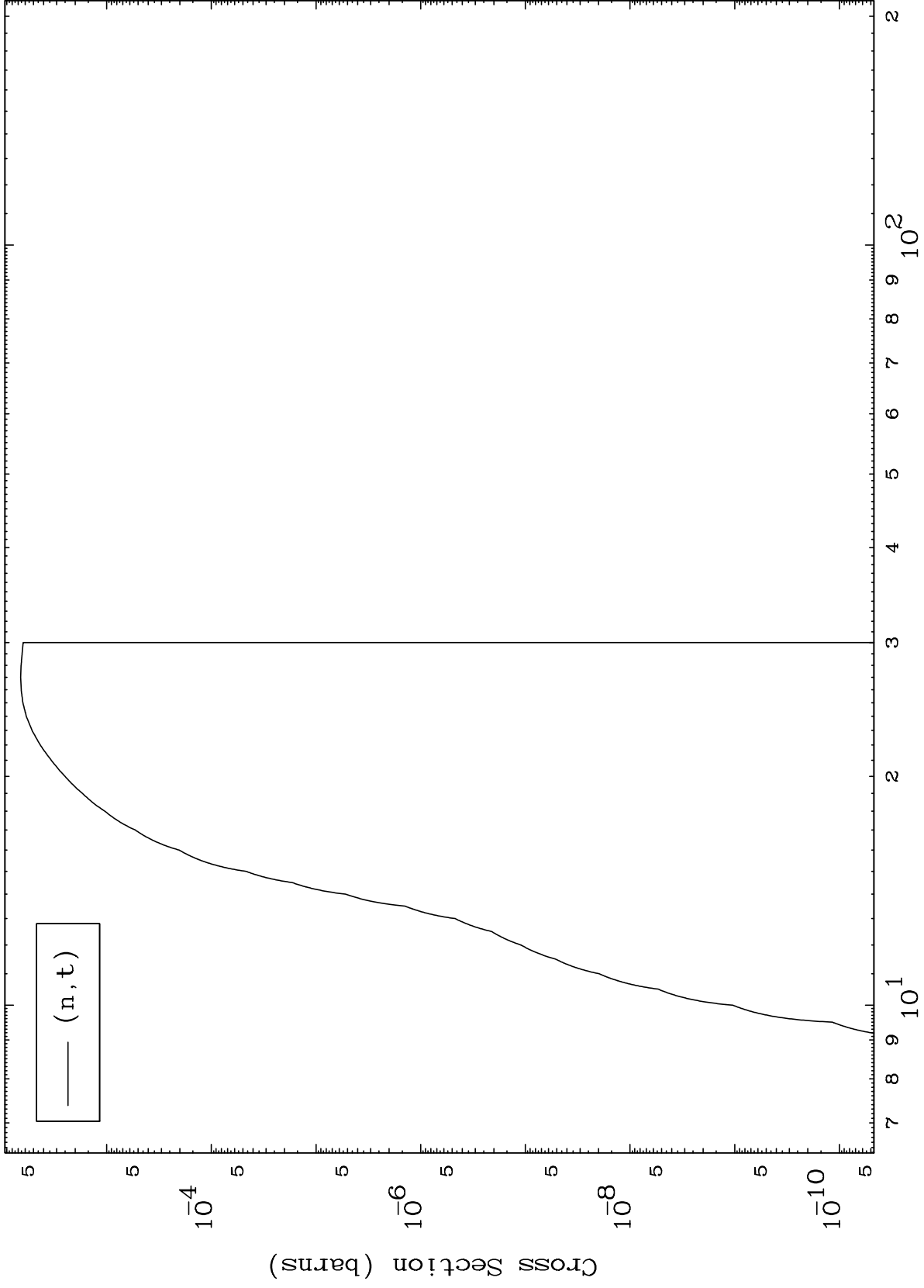
Incident Energy (MeV)

37-Rb-86m

MAT 3729

(n,t) Levels
293 Kelvin Cross Sections

37-Rb-86m



13

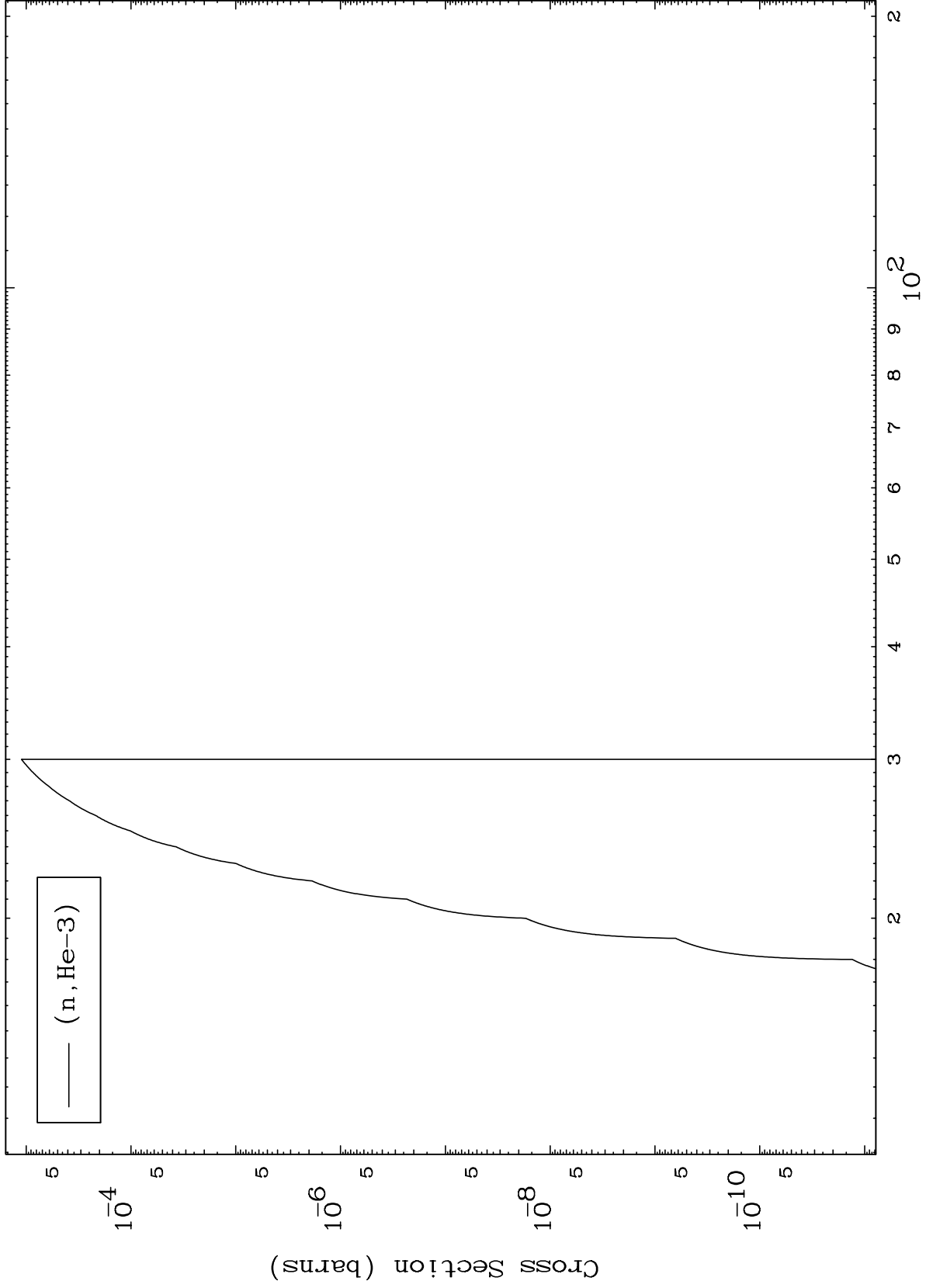
Incident Energy (MeV)

37-Rb-86m

MAT 3729

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-86m



14

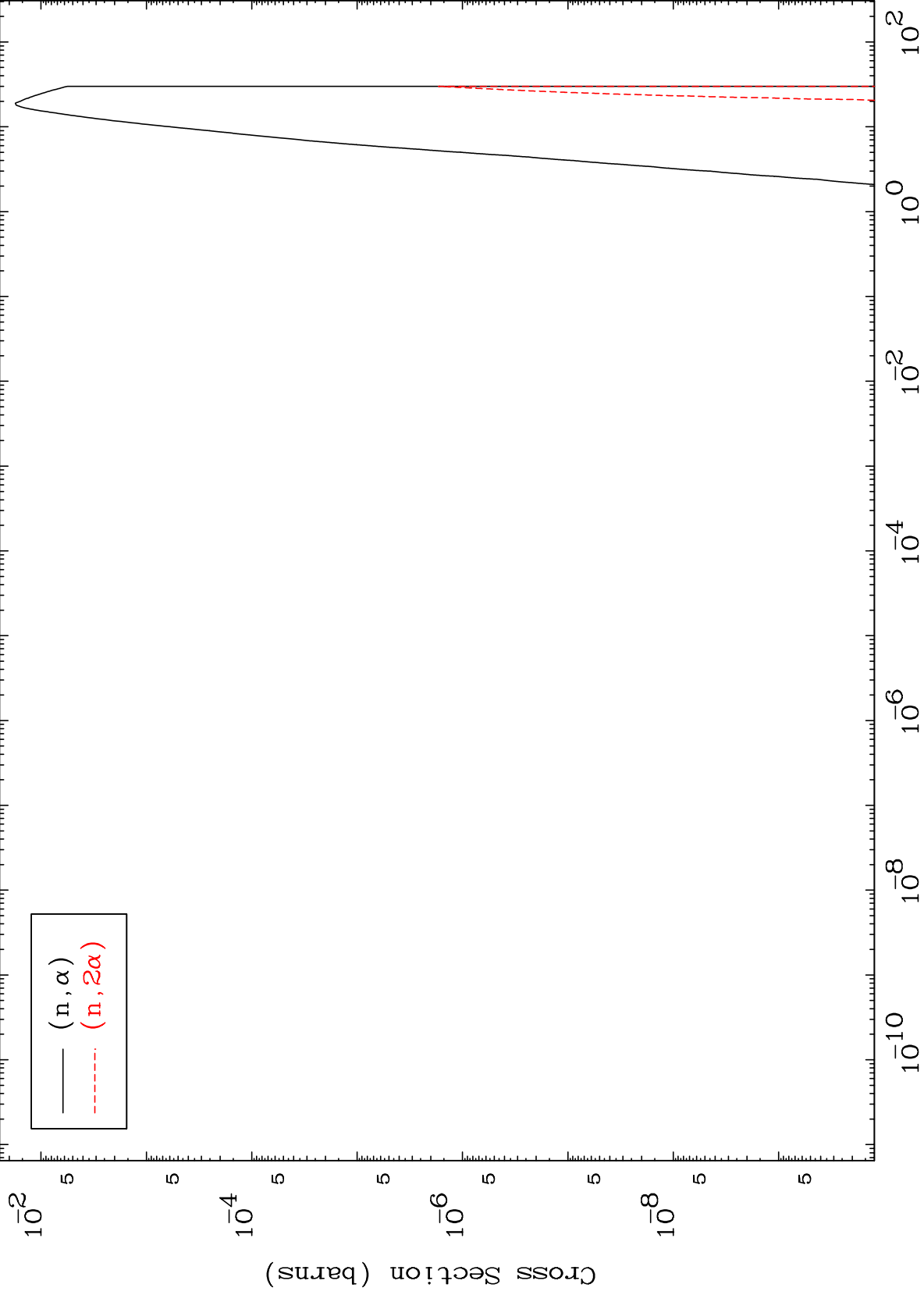
Incident Energy (MeV)

37-Rb-86m

MAT 3729

(n, α) Levels
293 Kelvin Cross Sections

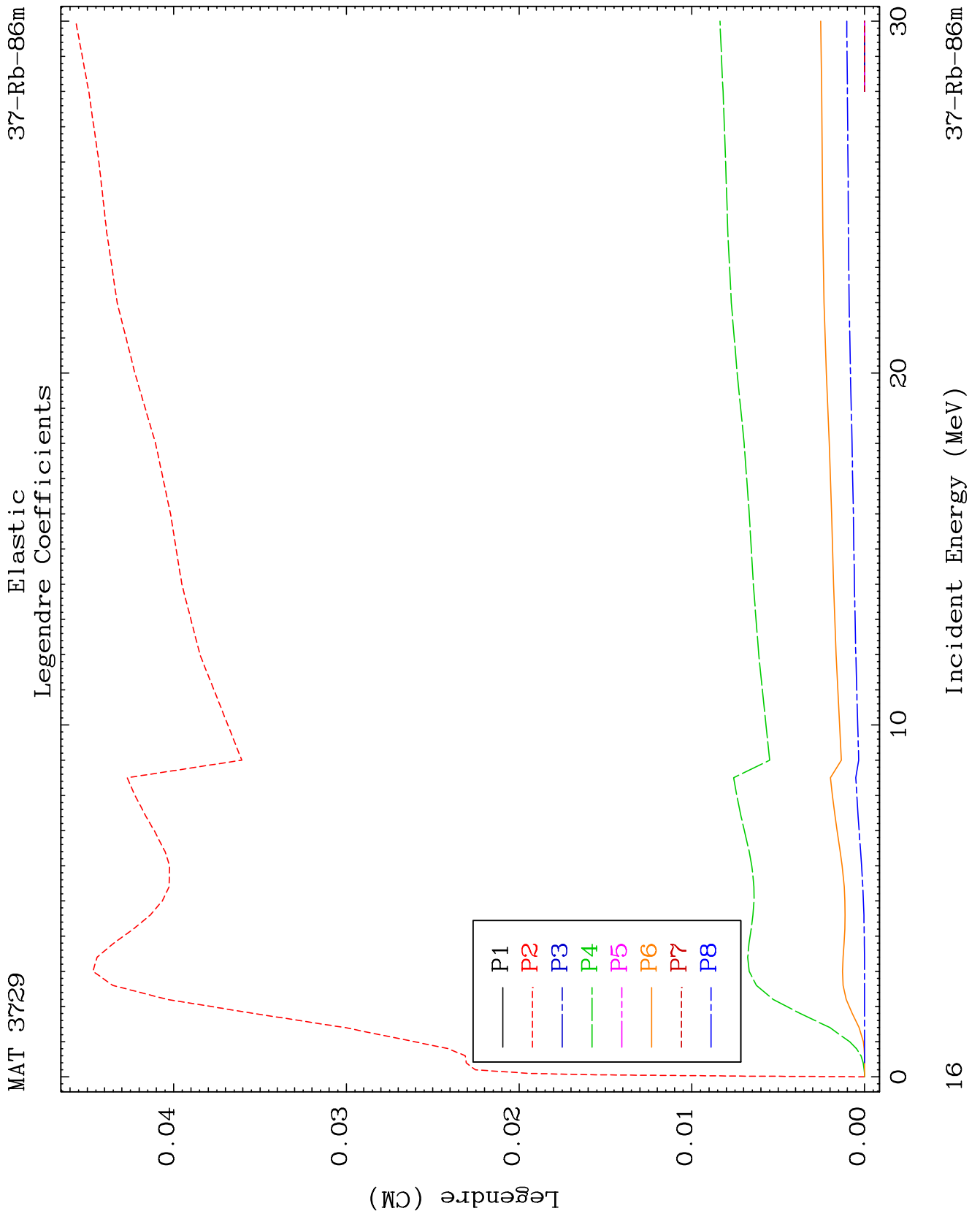
37-Rb-86m



15

Incident Energy (MeV)

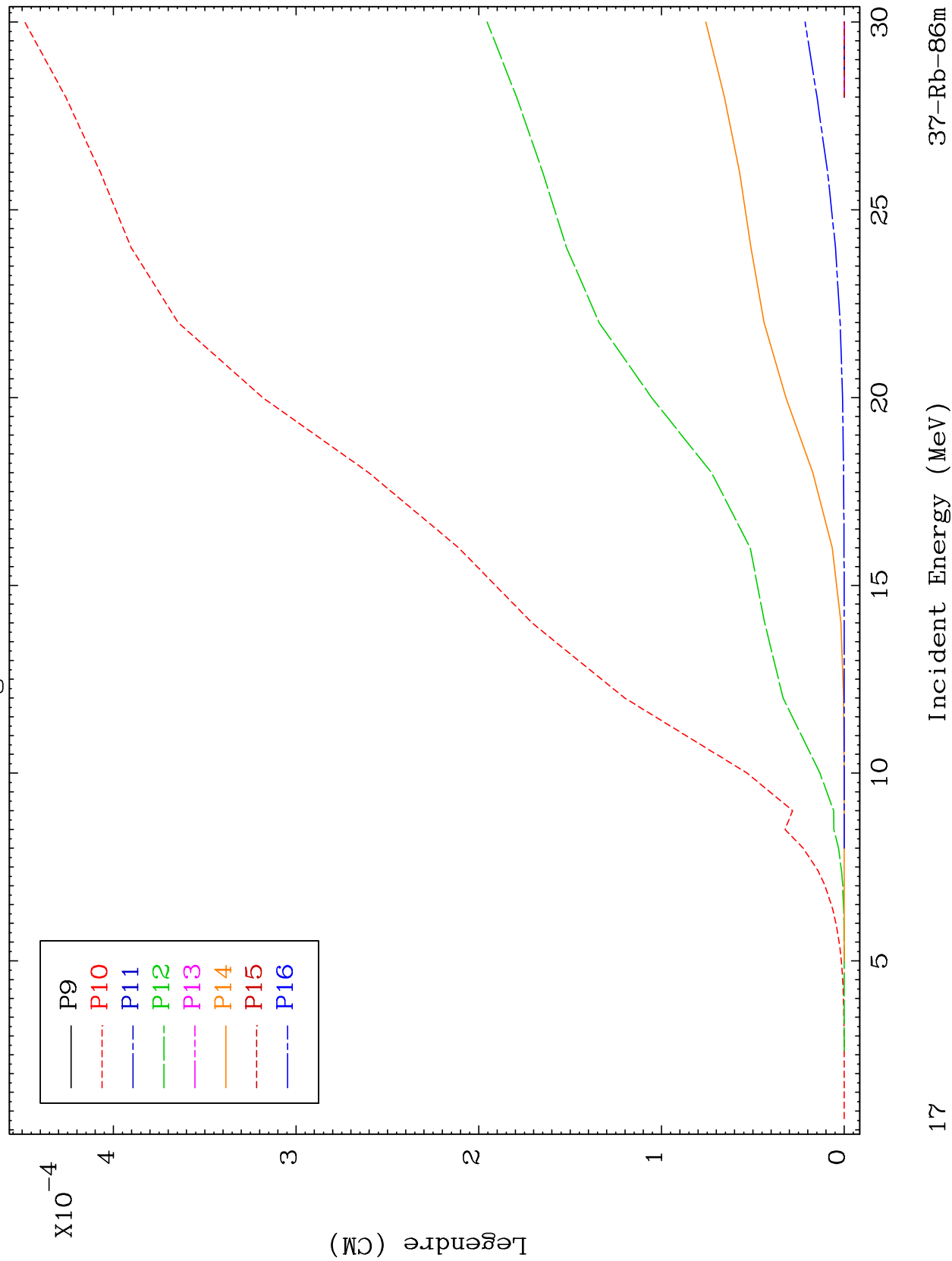
37-Rb-86m



MAT 3729

Elastic Legendre Coefficients

³⁷Rb-⁸⁶m



17

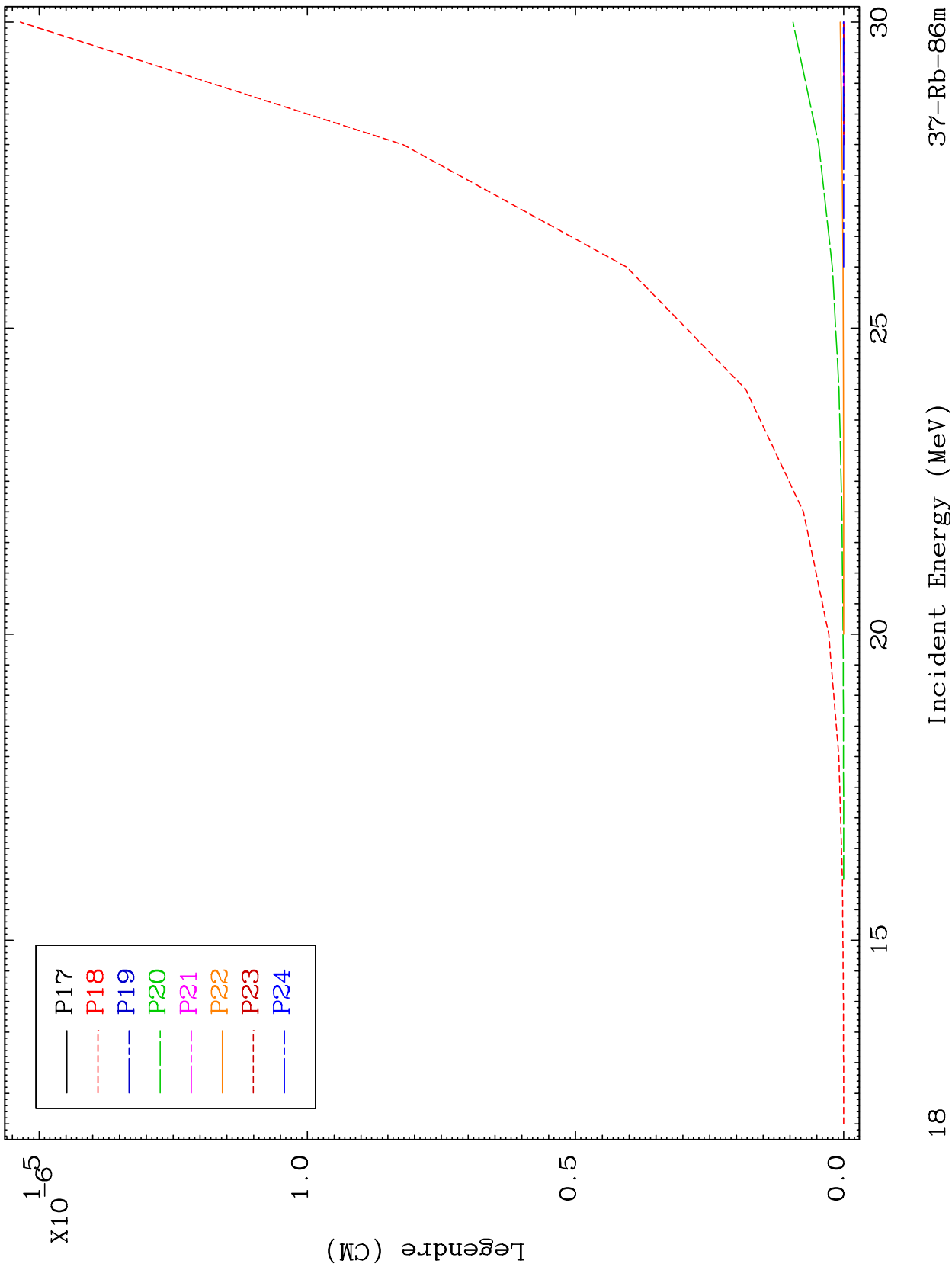
³⁷Rb-⁸⁶m

Incident Energy (MeV)

MAT 3729

Elastic Legendre Coefficients

³⁷Rb-86m



18

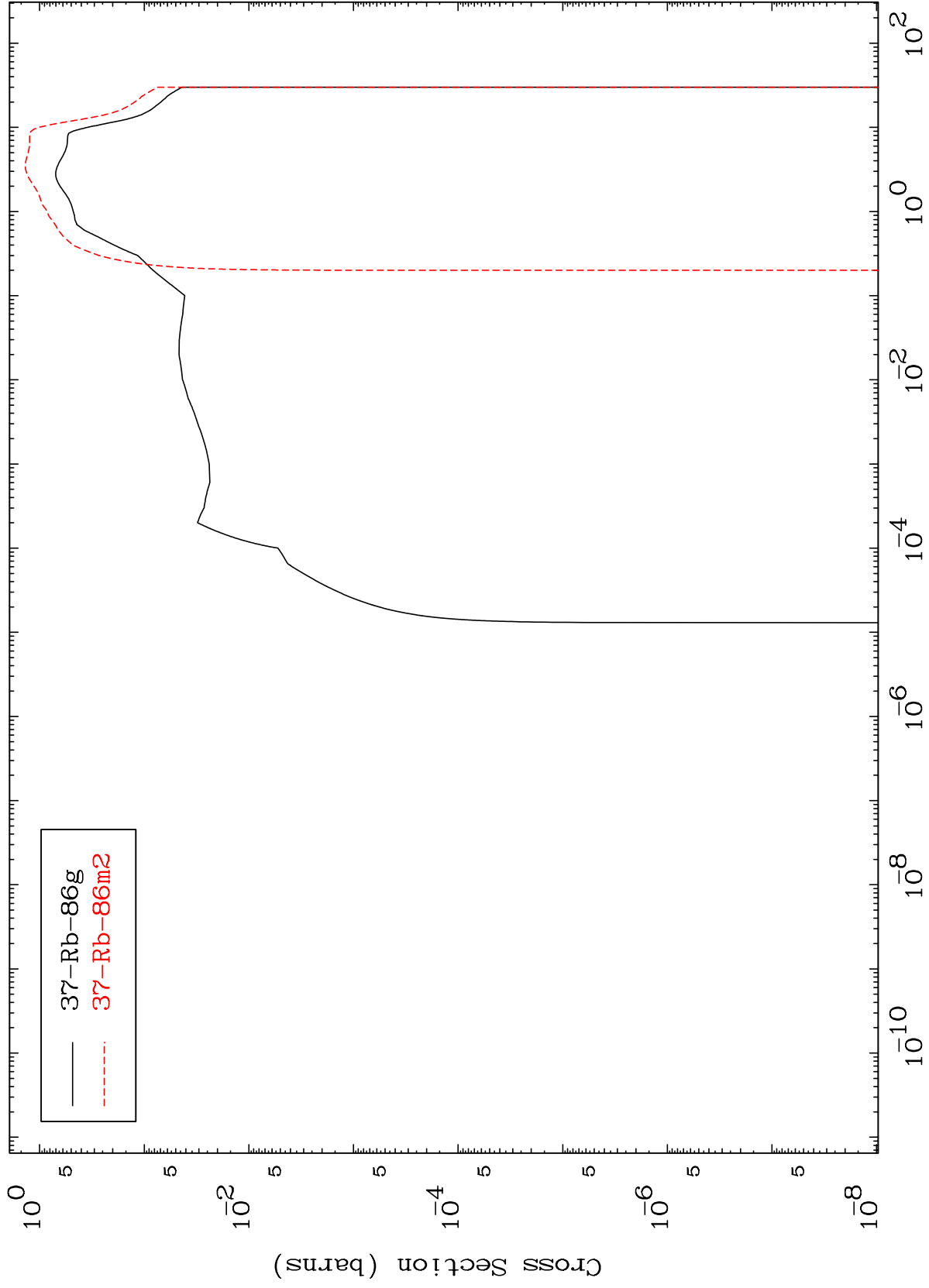
Incident Energy (MeV)

³⁷Rb-86m

MAT 3729

Inelastic
Radionuclide Production Cross Section

³⁷Rb-86m



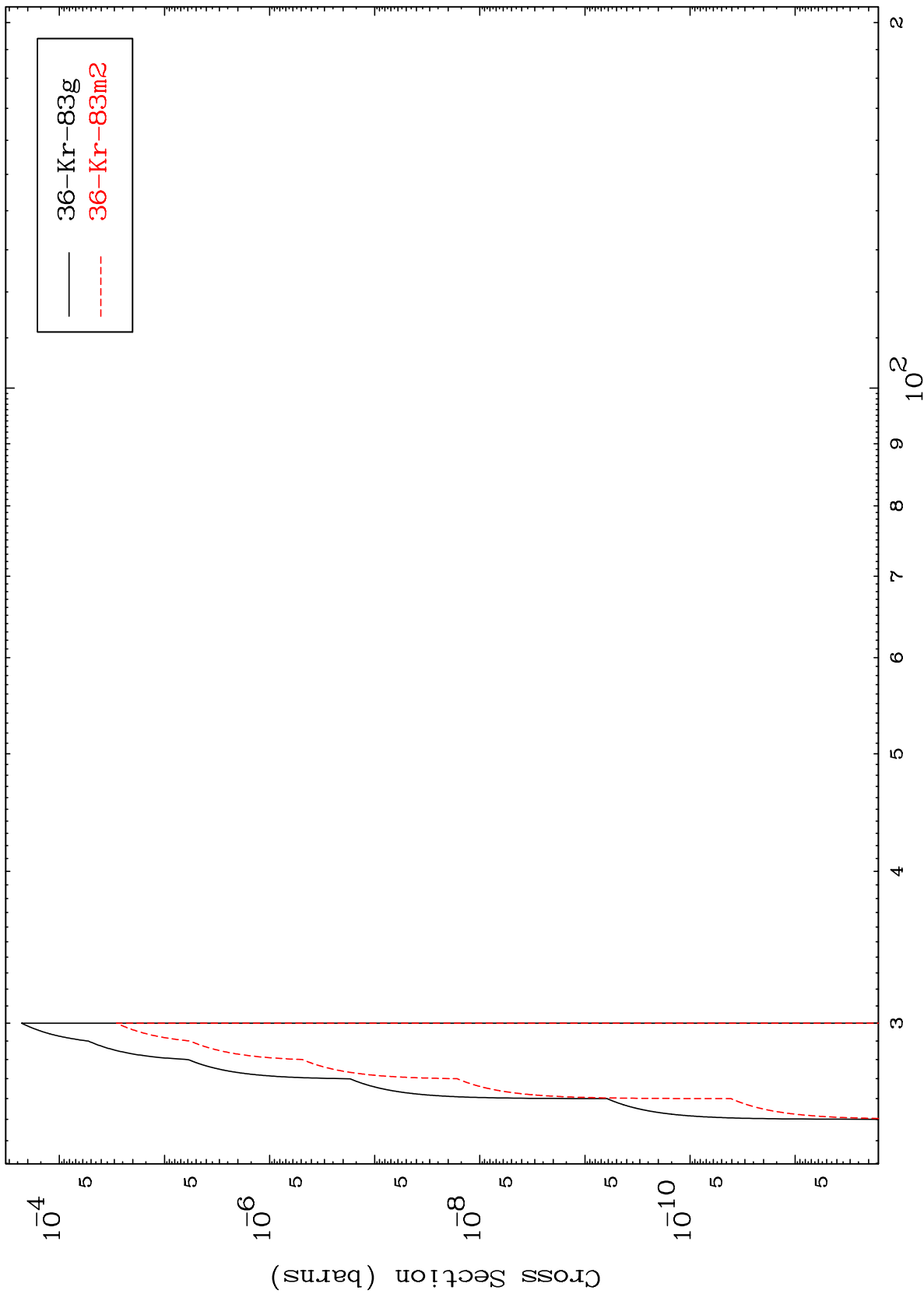
— 37-Rb-86g
- - - 37-Rb-86m2

MAT 3729

(n,2n) d

37-Rb-86m

Radionuclide Production Cross Section



20

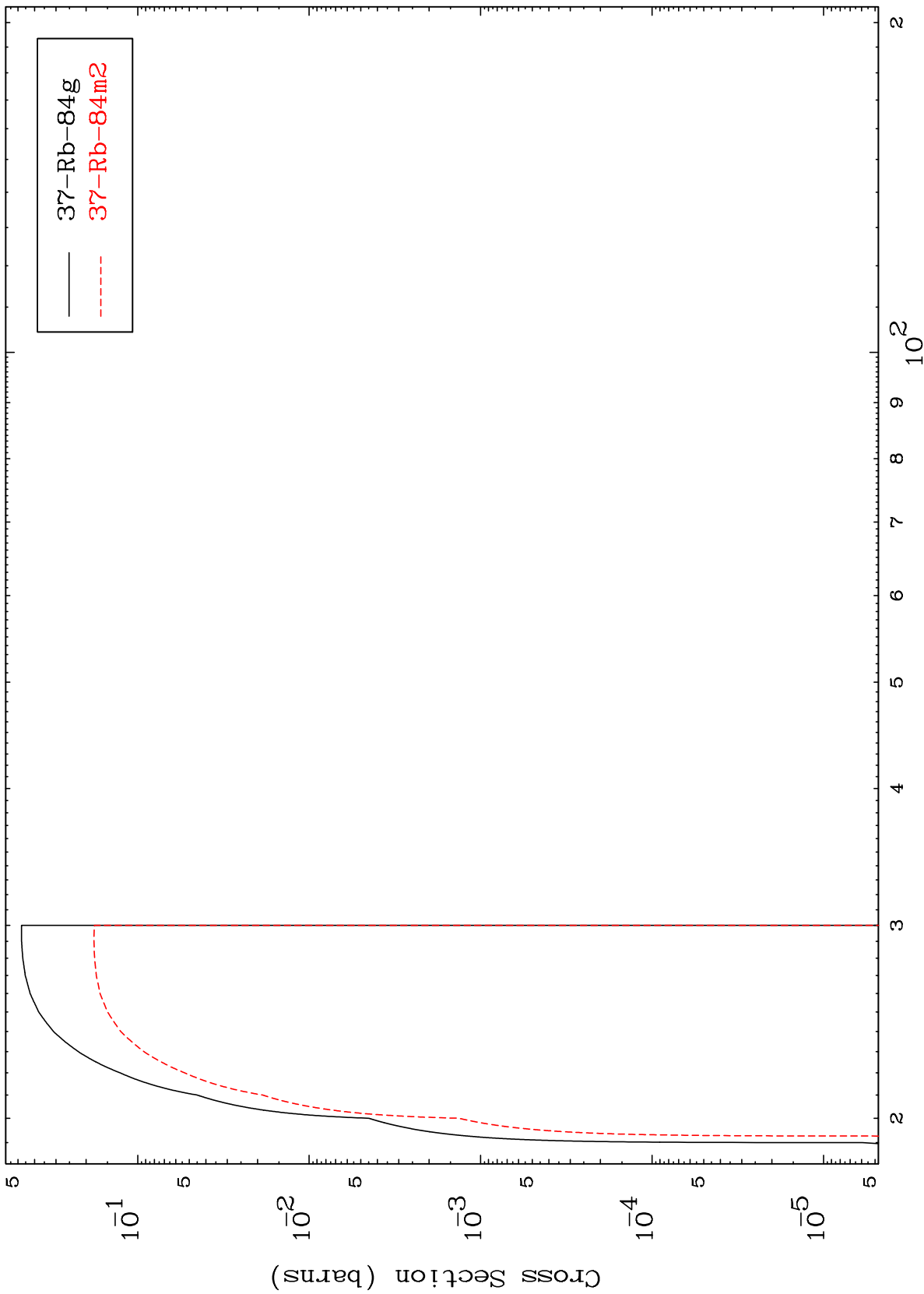
Incident Energy (MeV)

37-Rb-86m

MAT 3729

37-Rb-86m

(n,3n)
Radionuclide Production Cross Section



37-Rb-86m

Incident Energy (MeV)

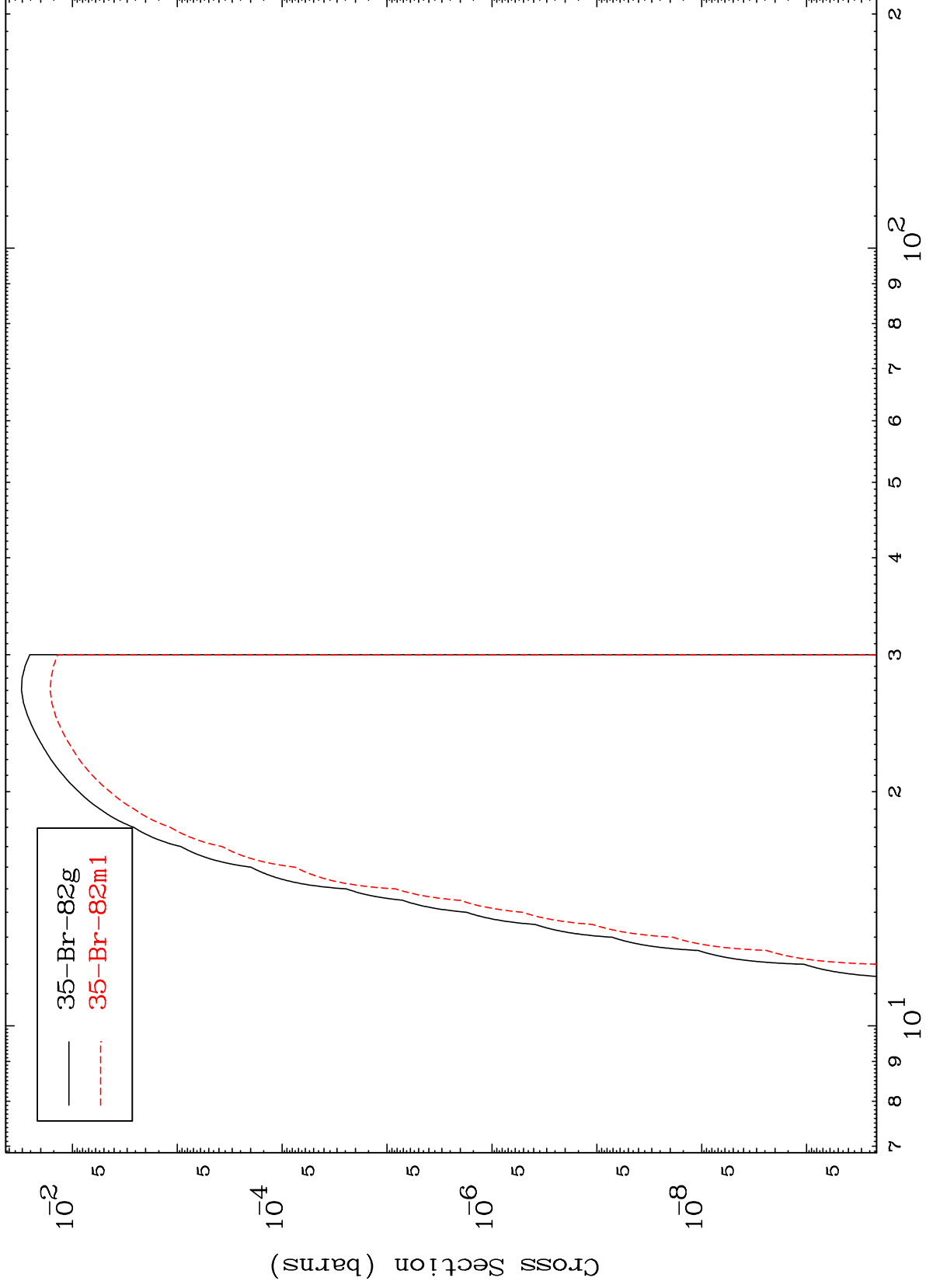
21

MAT 3729

37-Rb-86m

(n,n') α

Radionuclide Production Cross Section



22

Incident Energy (MeV)

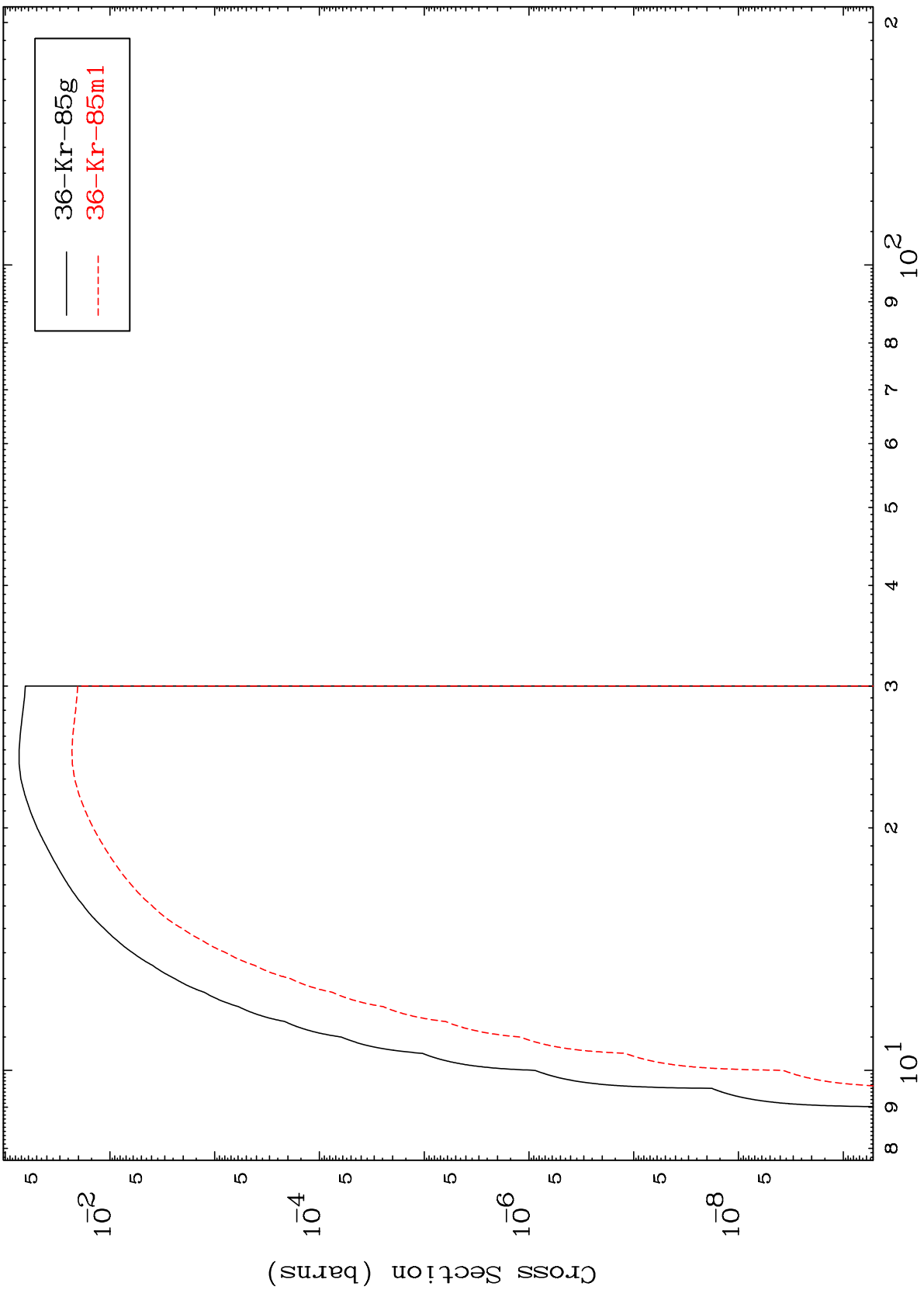
37-Rb-86m

MAT 3729

(n,n') p

37-Rb-86m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

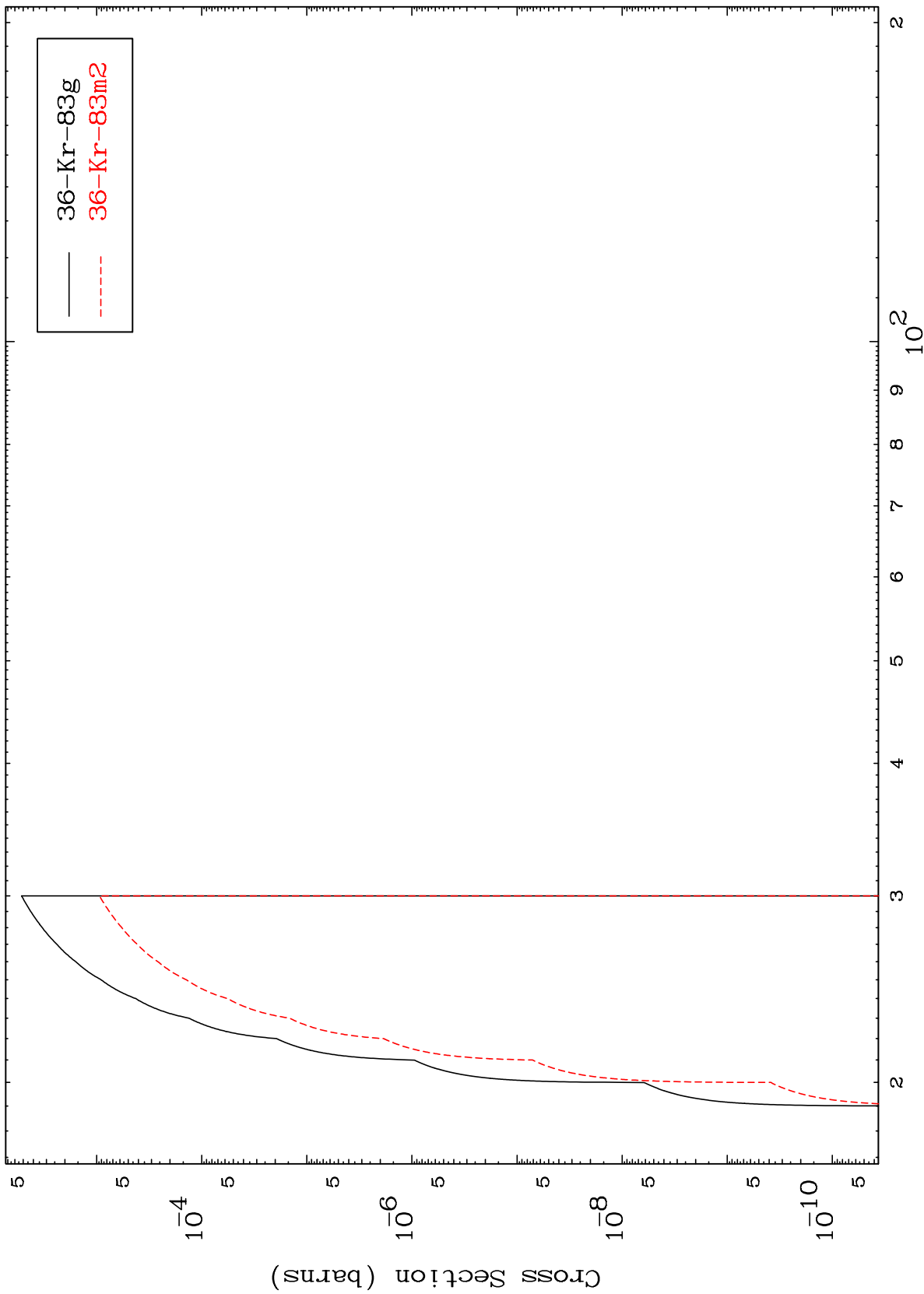
37-Rb-86m

MAT 3729

(n,n') t

37-Rb-86m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

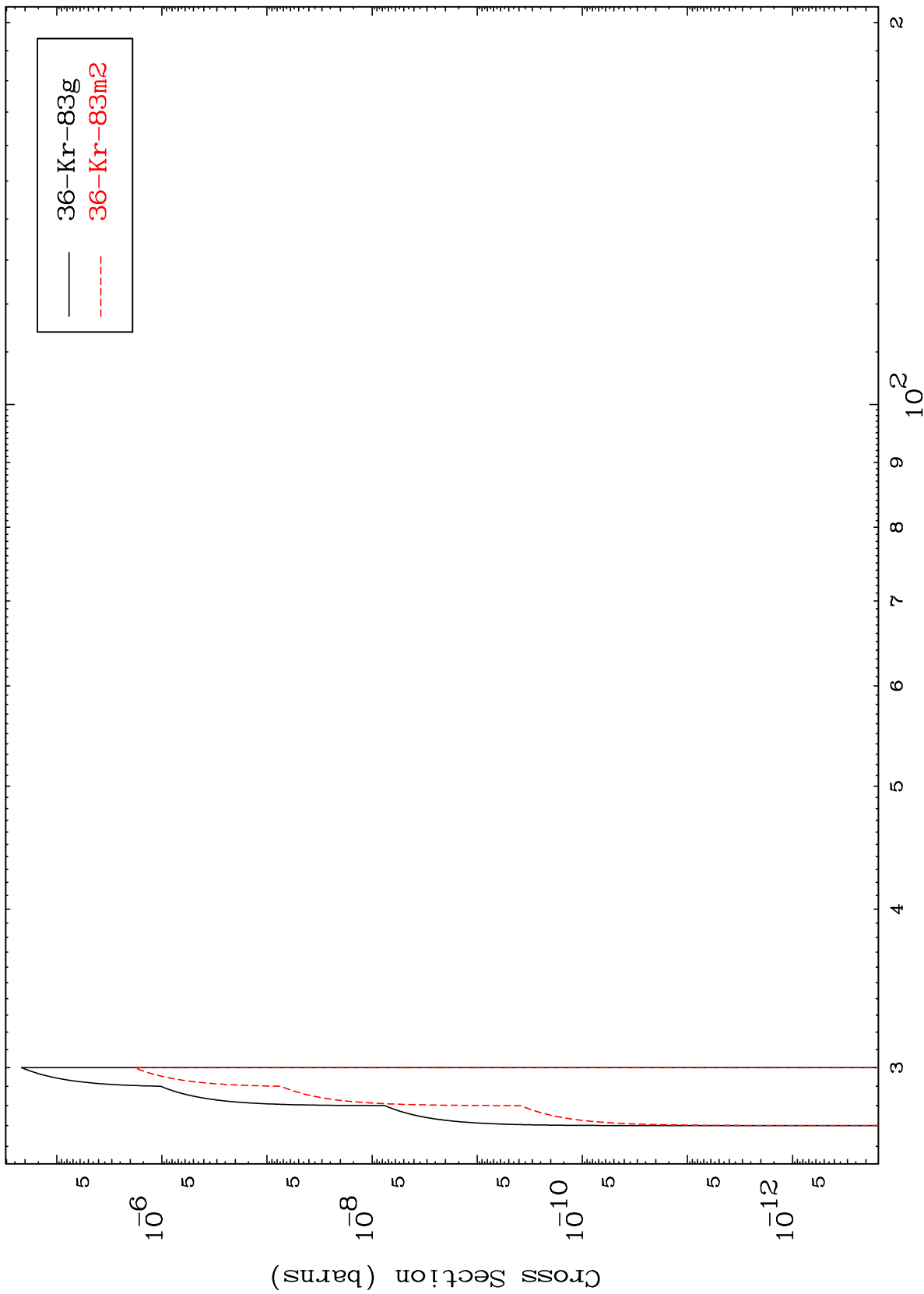
37-Rb-86m

MAT 3729

(n,3n) p

37-Rb-86m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

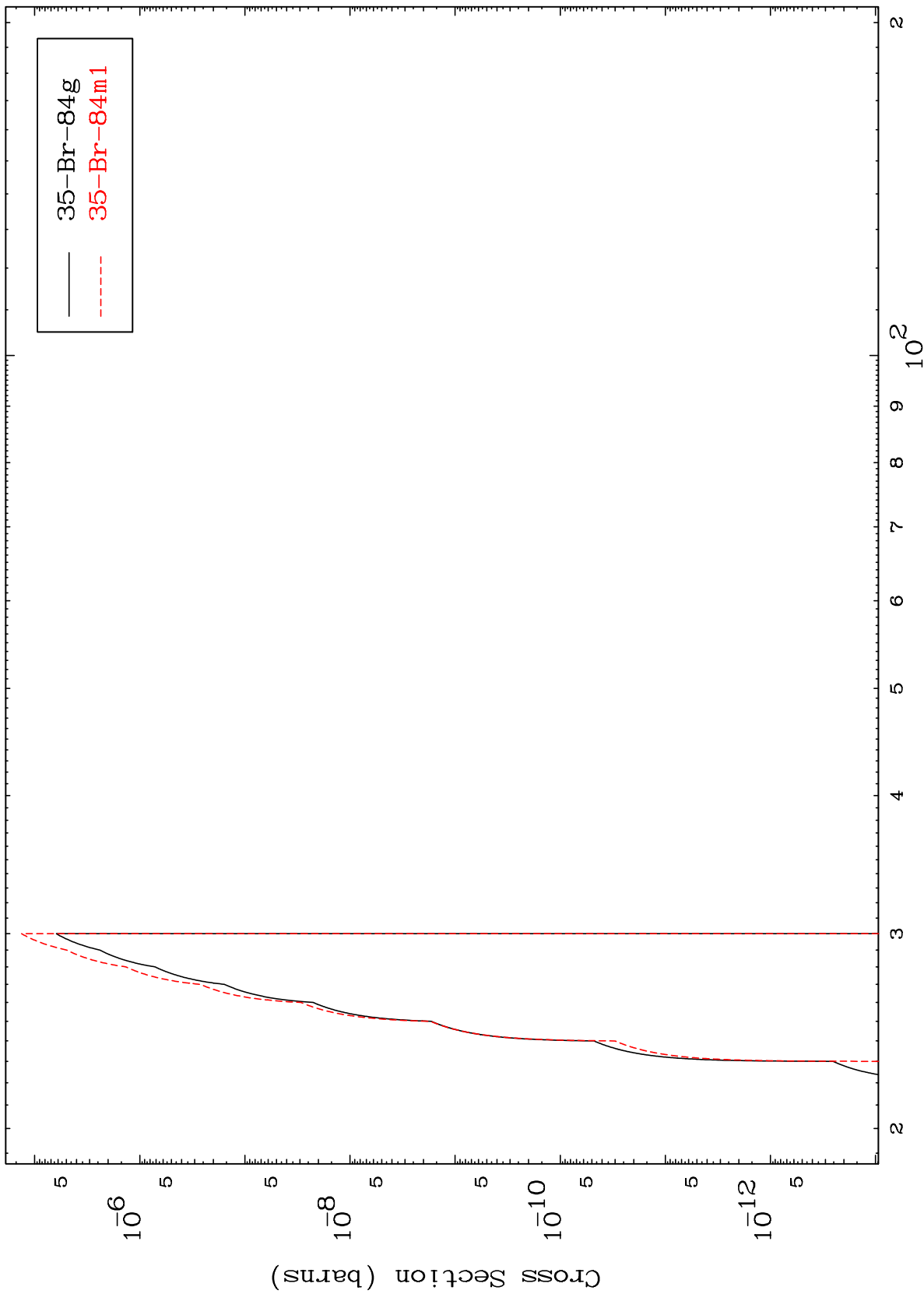
37-Rb-86m

MAT 3729

(n,2n) p

37-Rb-86m

Radionuclide Production Cross Section



35-Br-84g
35-Br-84m1

26

Incident Energy (MeV)

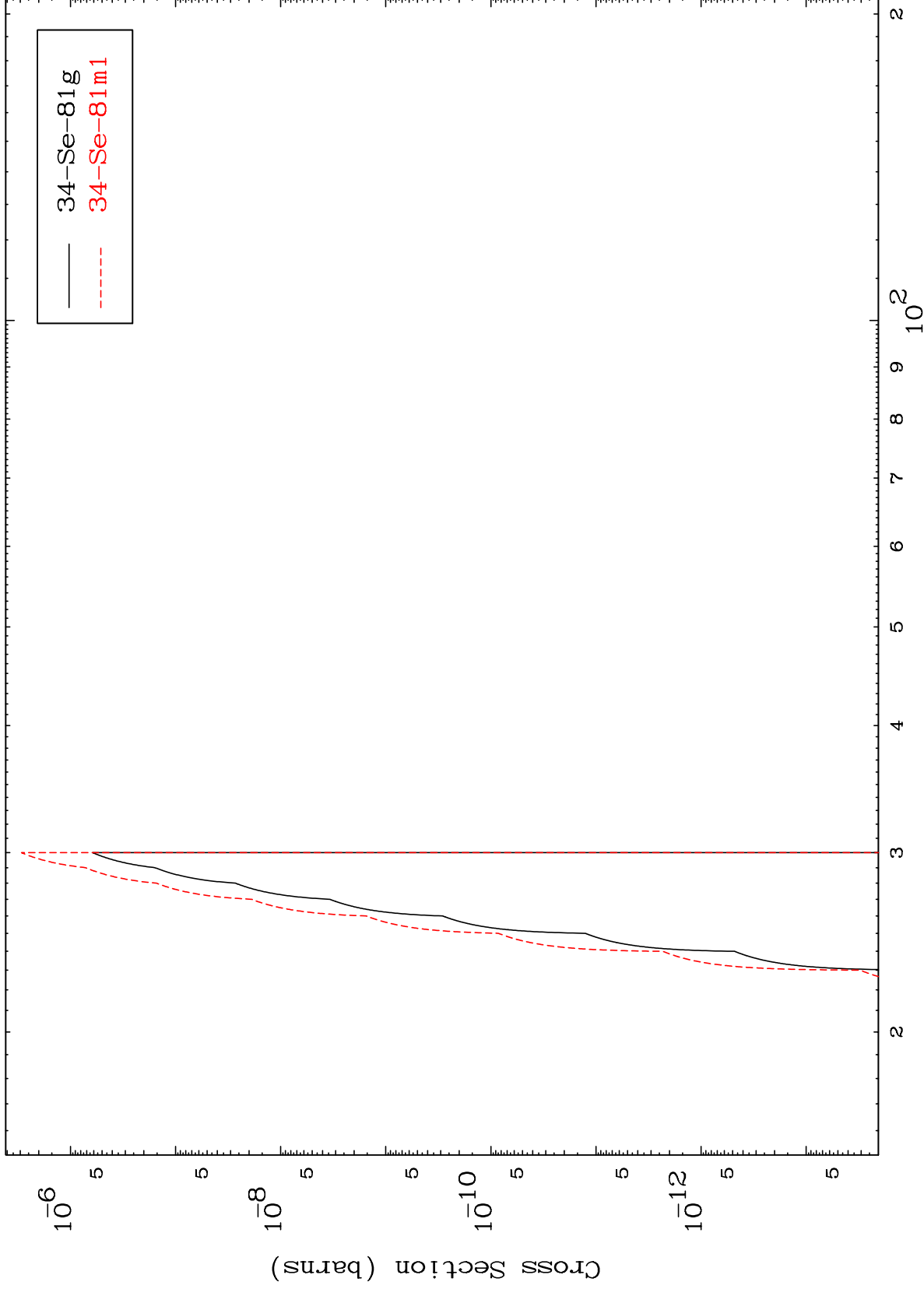
37-Rb-86m

MAT 3729

(n,n') p α

37-Rb-86m

Radionuclide Production Cross Section



27

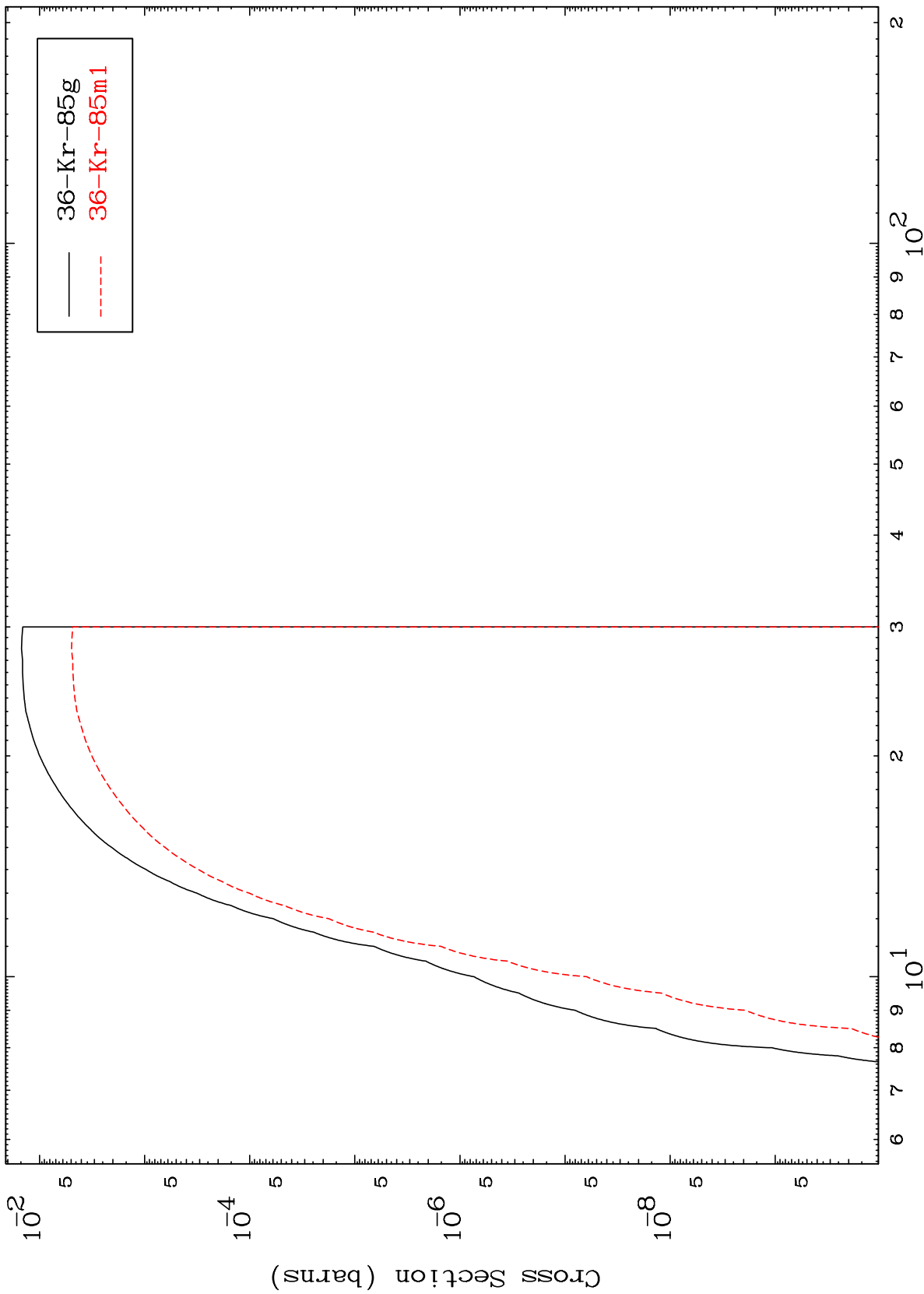
Incident Energy (MeV)

37-Rb-86m

MAT 3729

37-Rb-86m

(n,d)
Radionuclide Production Cross Section



36-Kr-85g
36-Kr-85m1

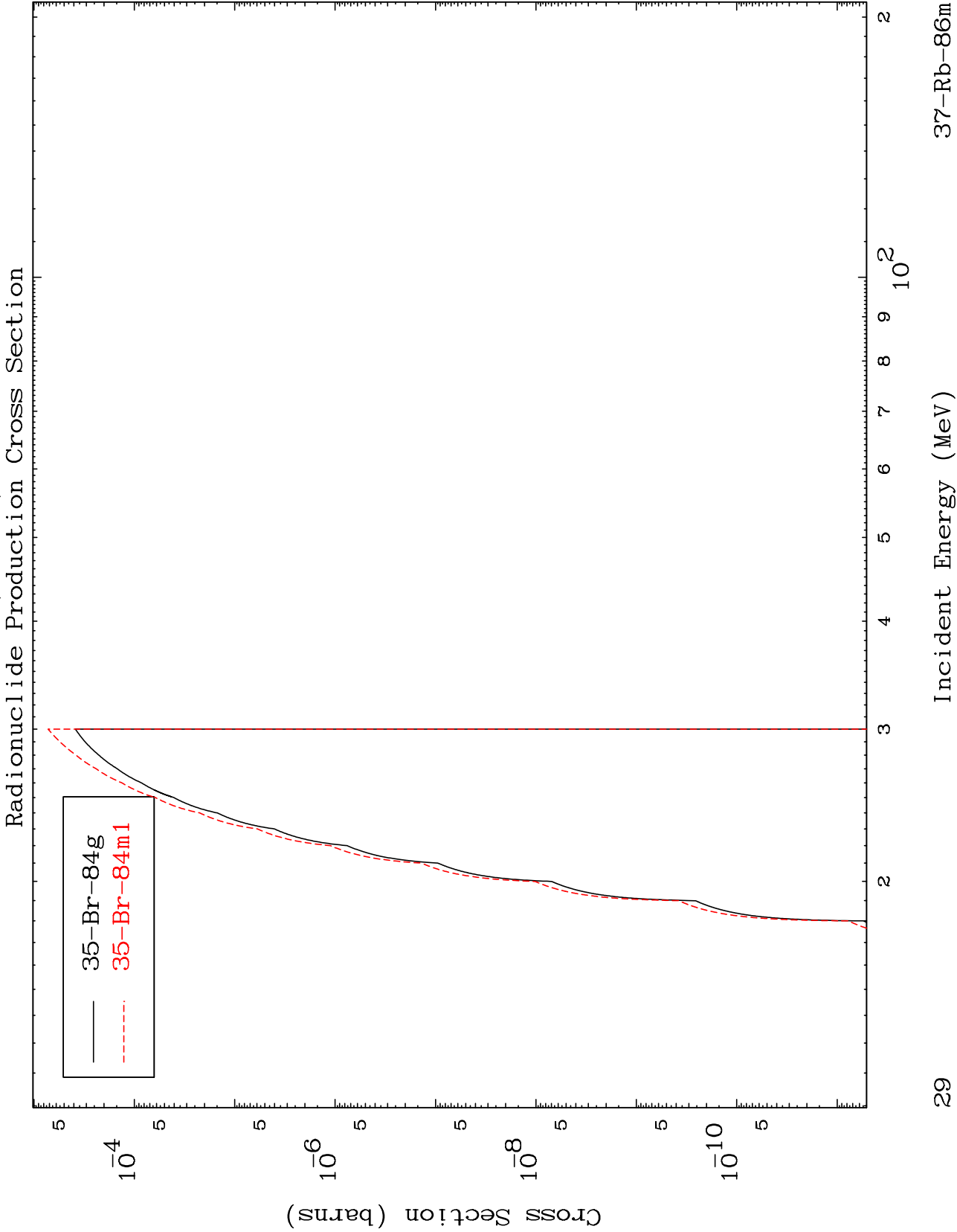
28

Incident Energy (MeV)

37-Rb-86m

MAT 3729

37-Rb-86m



37-Rb-86m

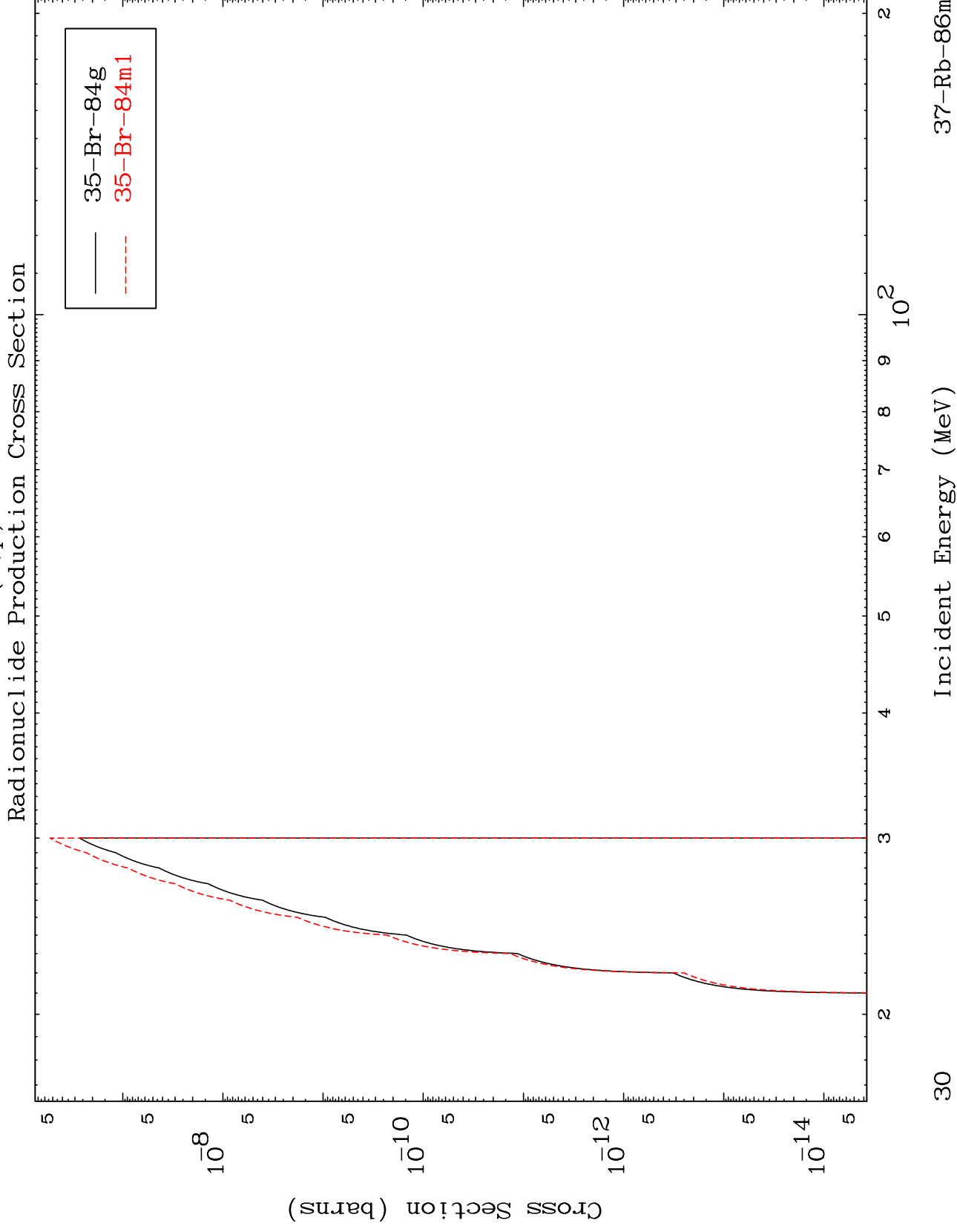
Incident Energy (MeV)

29

MAT 3729

(n,p) d

37-Rb-86m



30

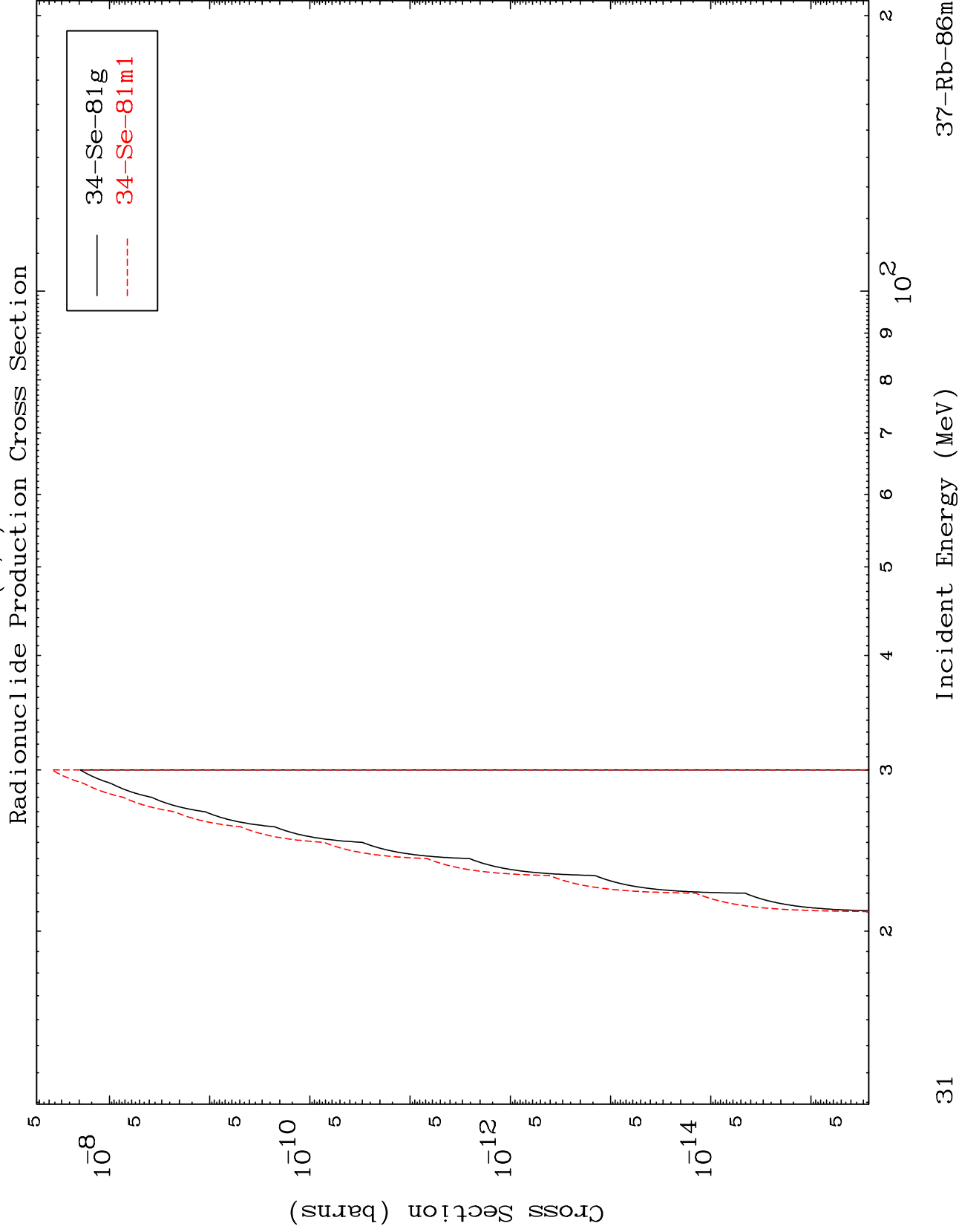
Incident Energy (MeV)

37-Rb-86m

MAT 3729

(n,d) α

37-Rb-86m



31

Incident Energy (MeV)

37-Rb-86m