

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

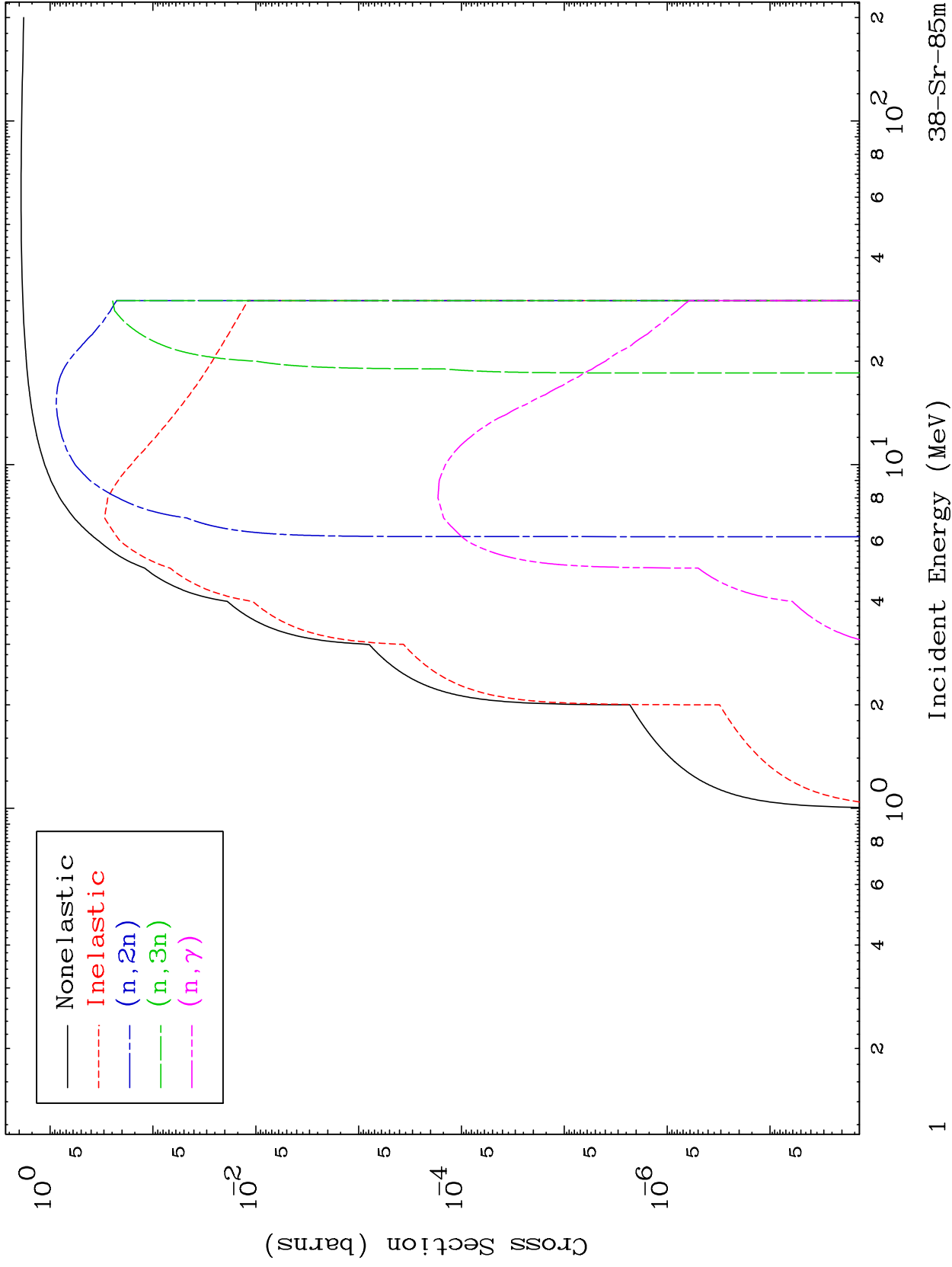
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

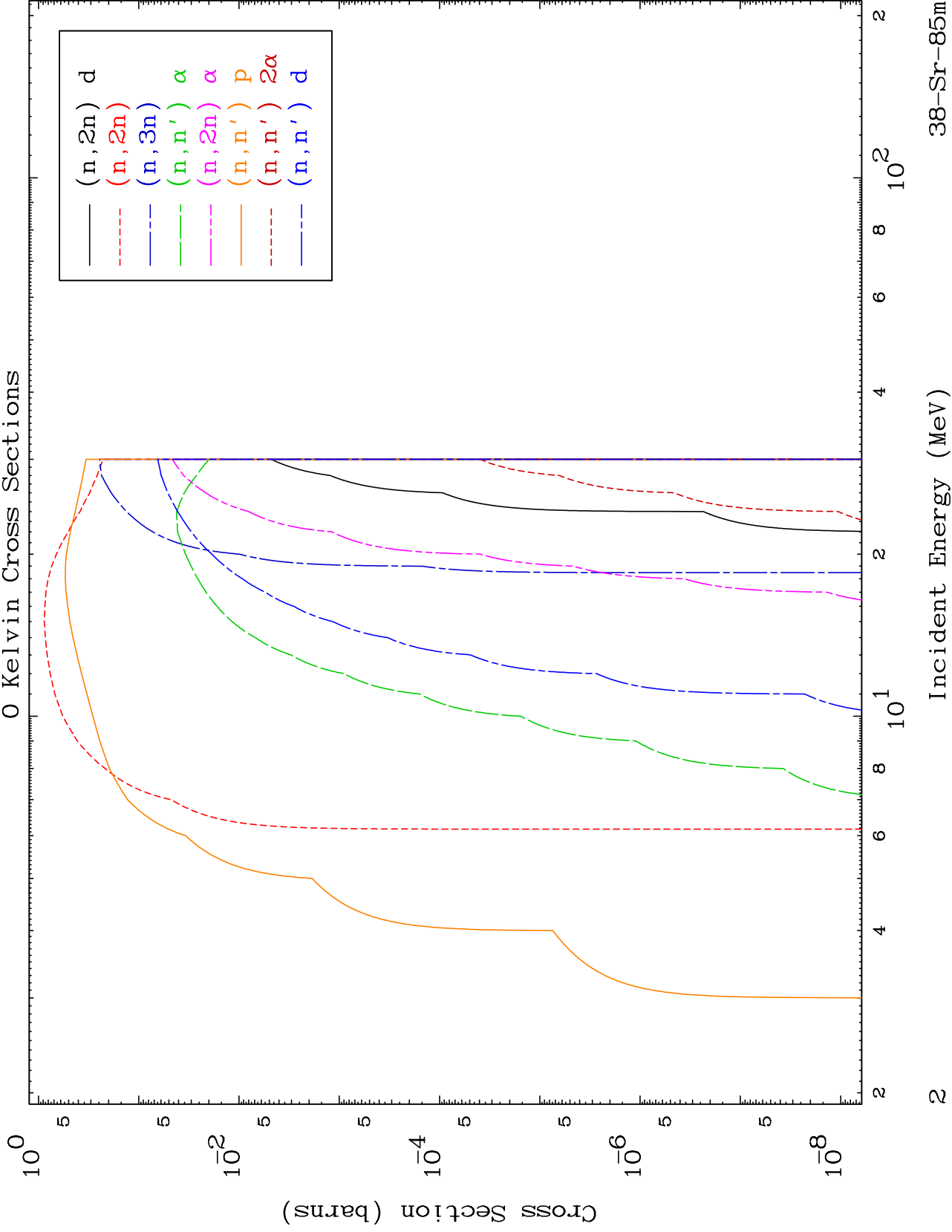
Press Mouse Button to Start



MAT 3829

Deuteron Neutron Absorption
0 Kelvin Cross Sections

38-Sr-85m



38-Sr-85m

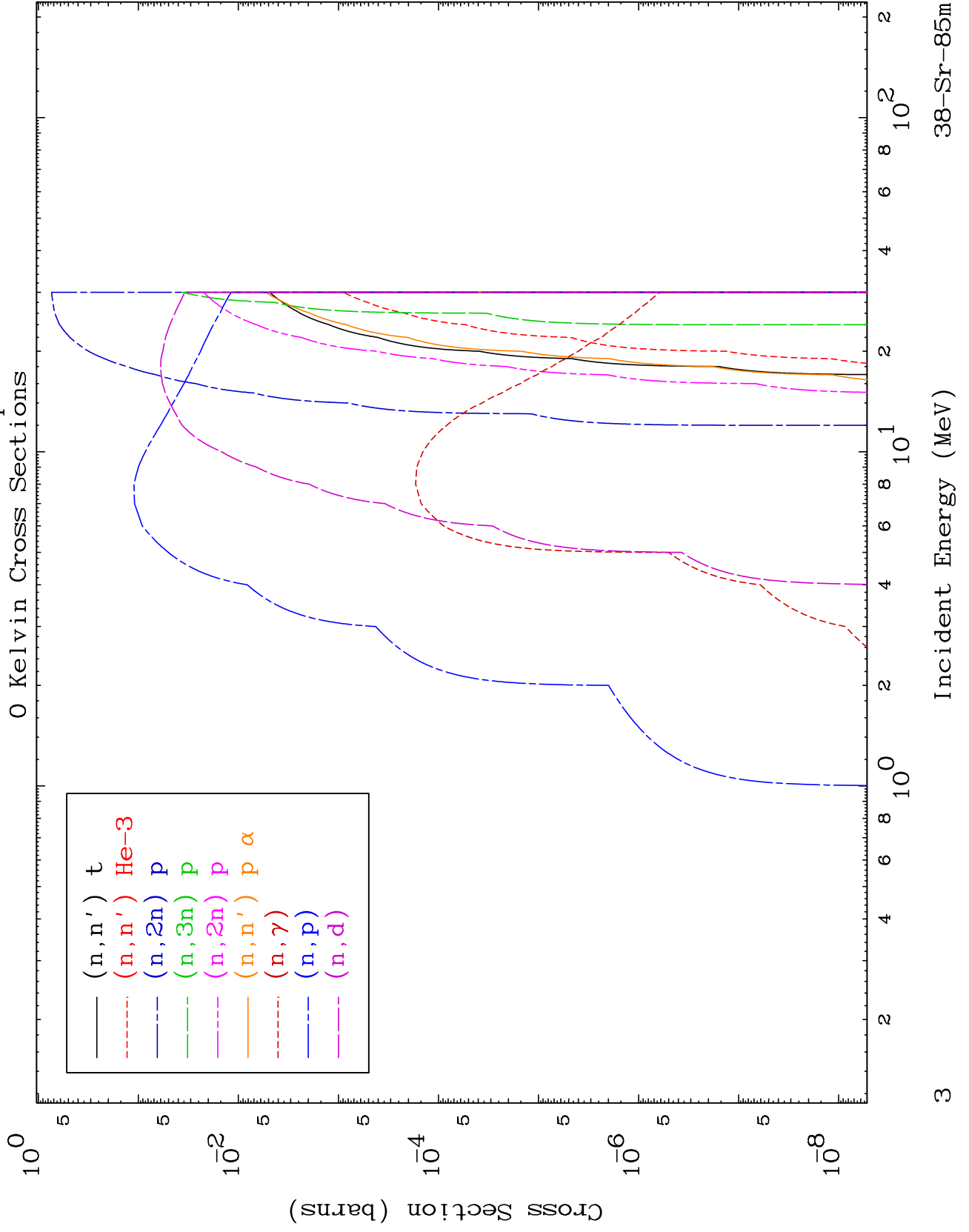
Incident Energy (MeV)

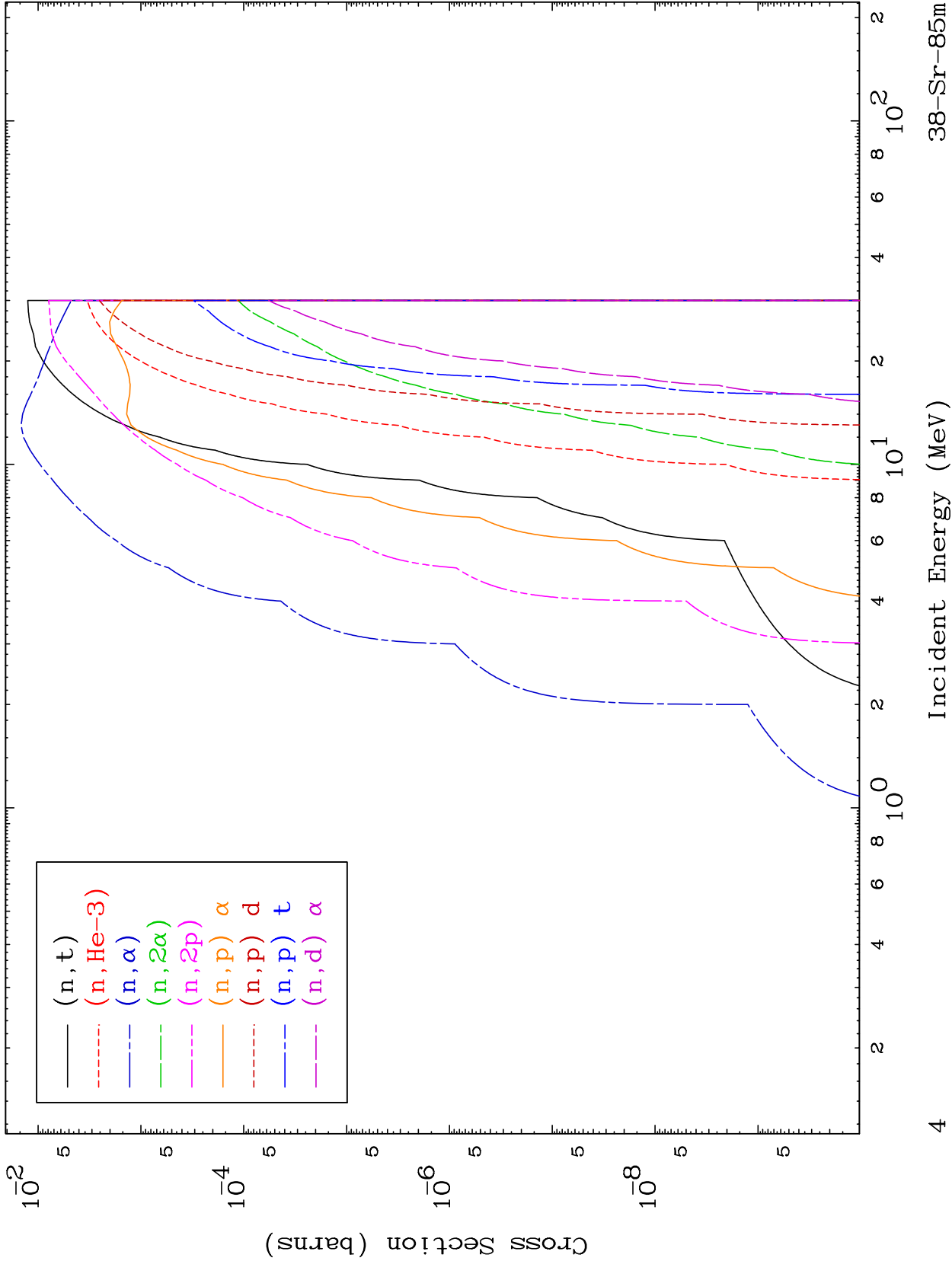
2

MAT 3829

Deuteron Neutron Absorption
0 Kelvin Cross Sections

38-Sr-85m

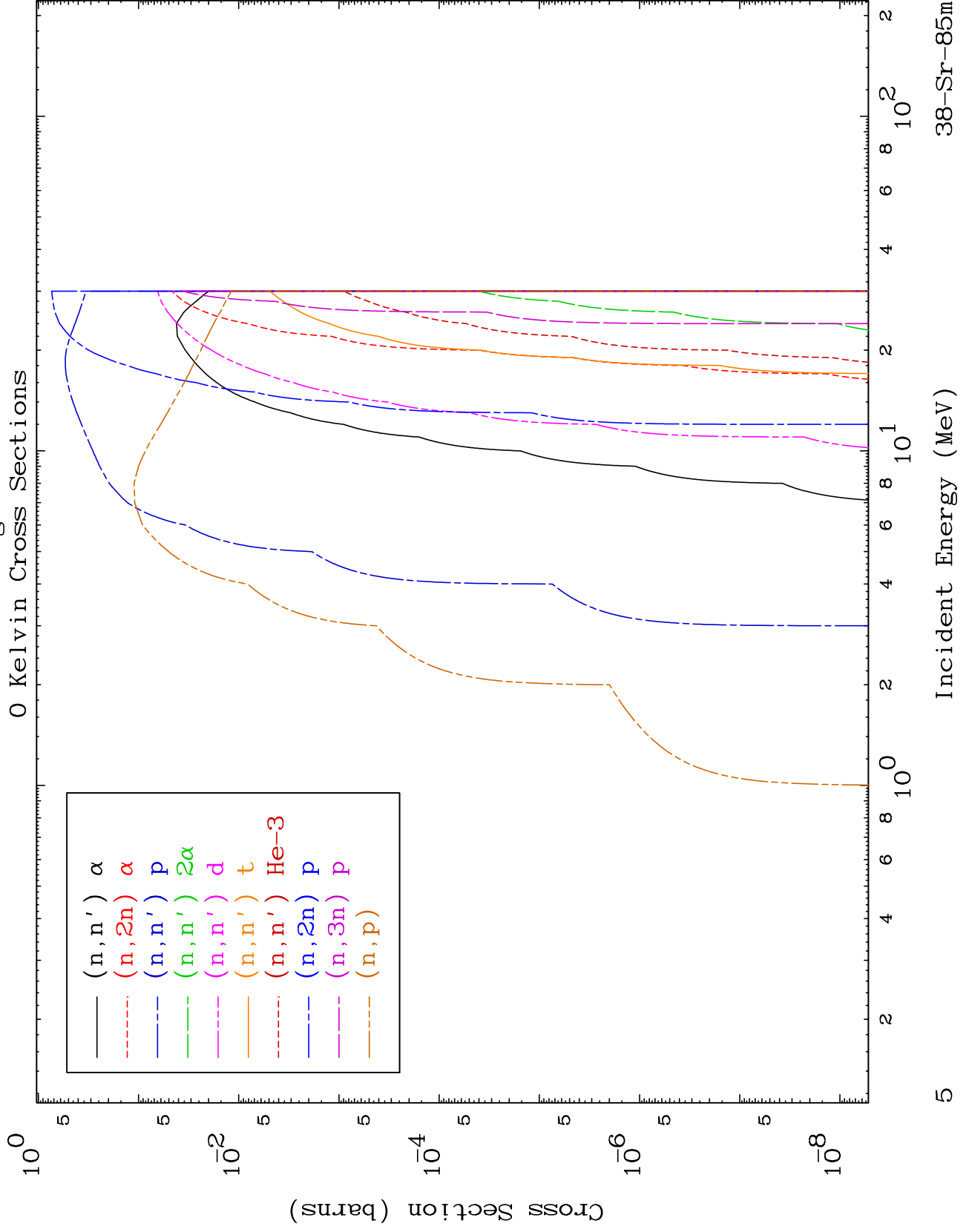


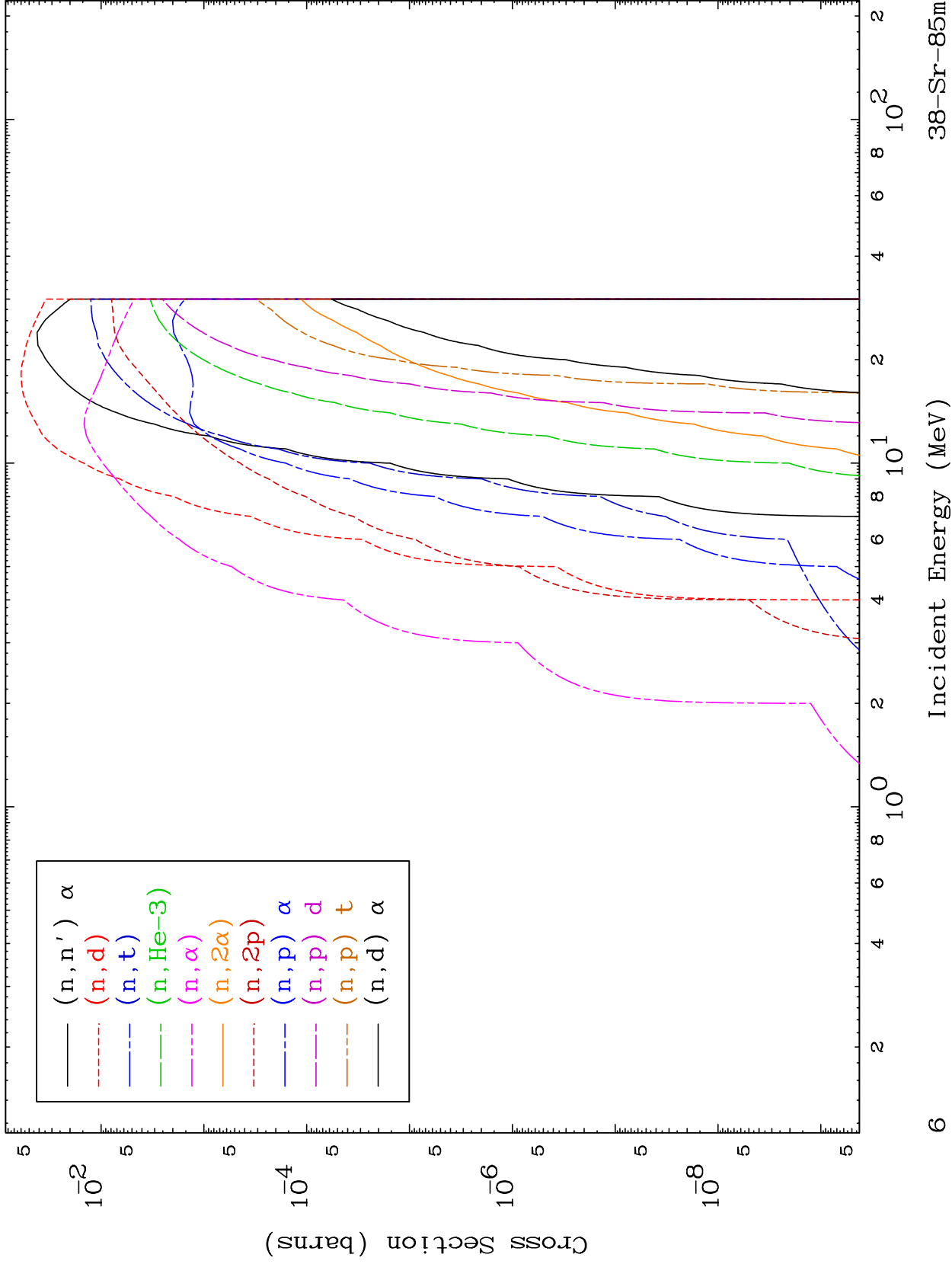


MAT 3829

Deuteron Charged Particle
0 Kelvin Cross Sections

38-Sr-85m



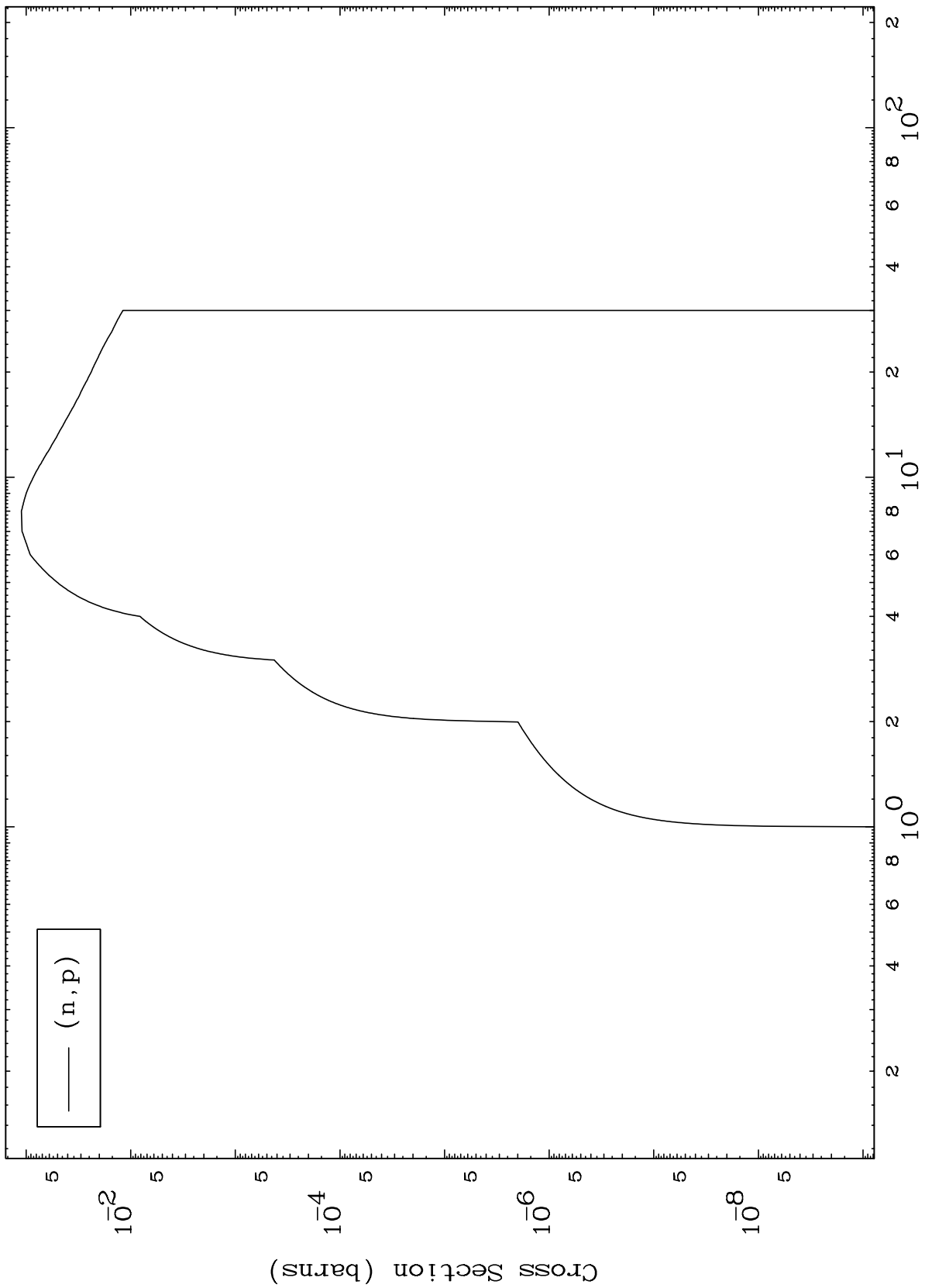


MAT 3829

(d,p) Levels

38-Sr-85m

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

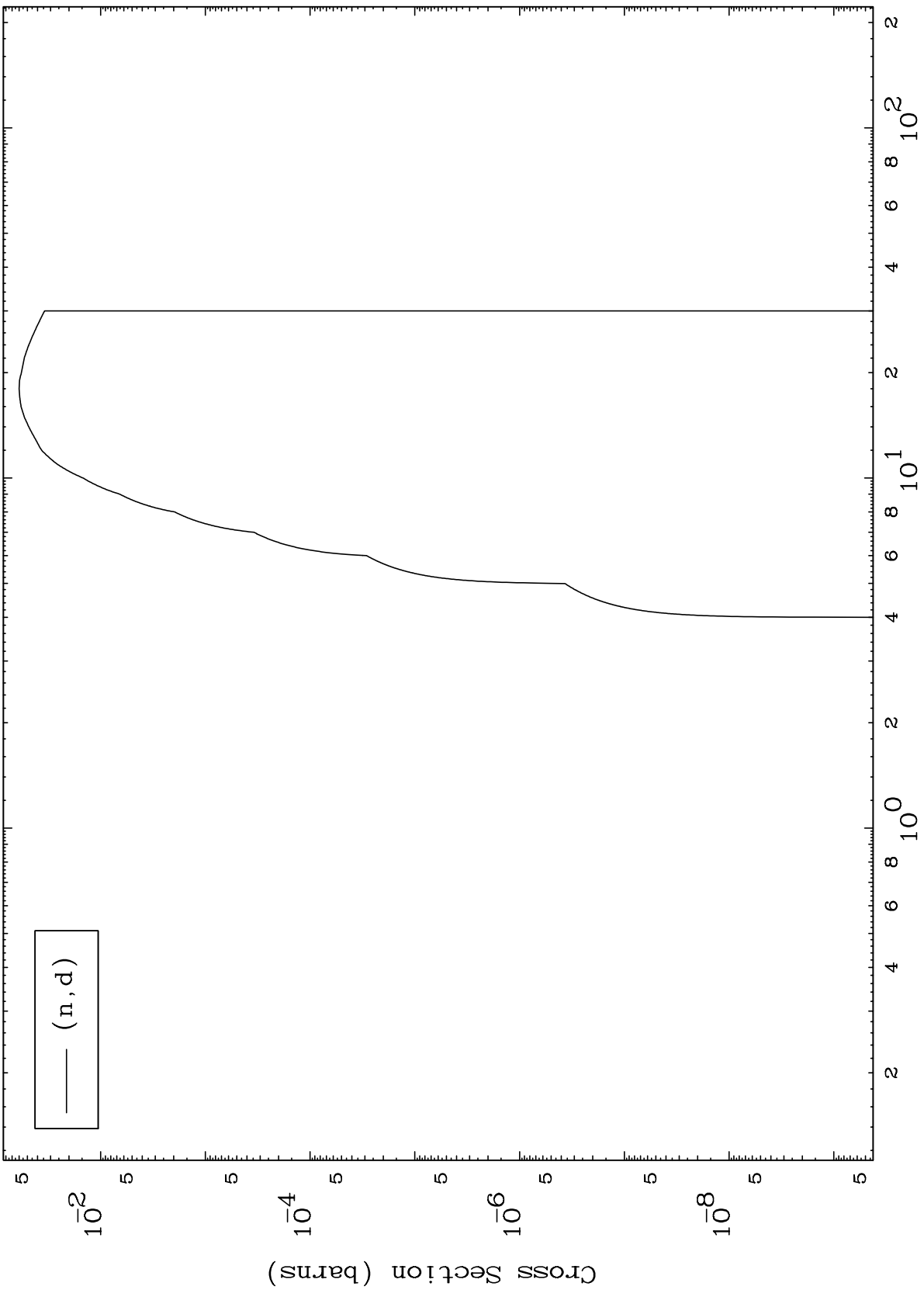
38-Sr-85m

MAT 3829

(d,d) Levels

38-Sr-85m

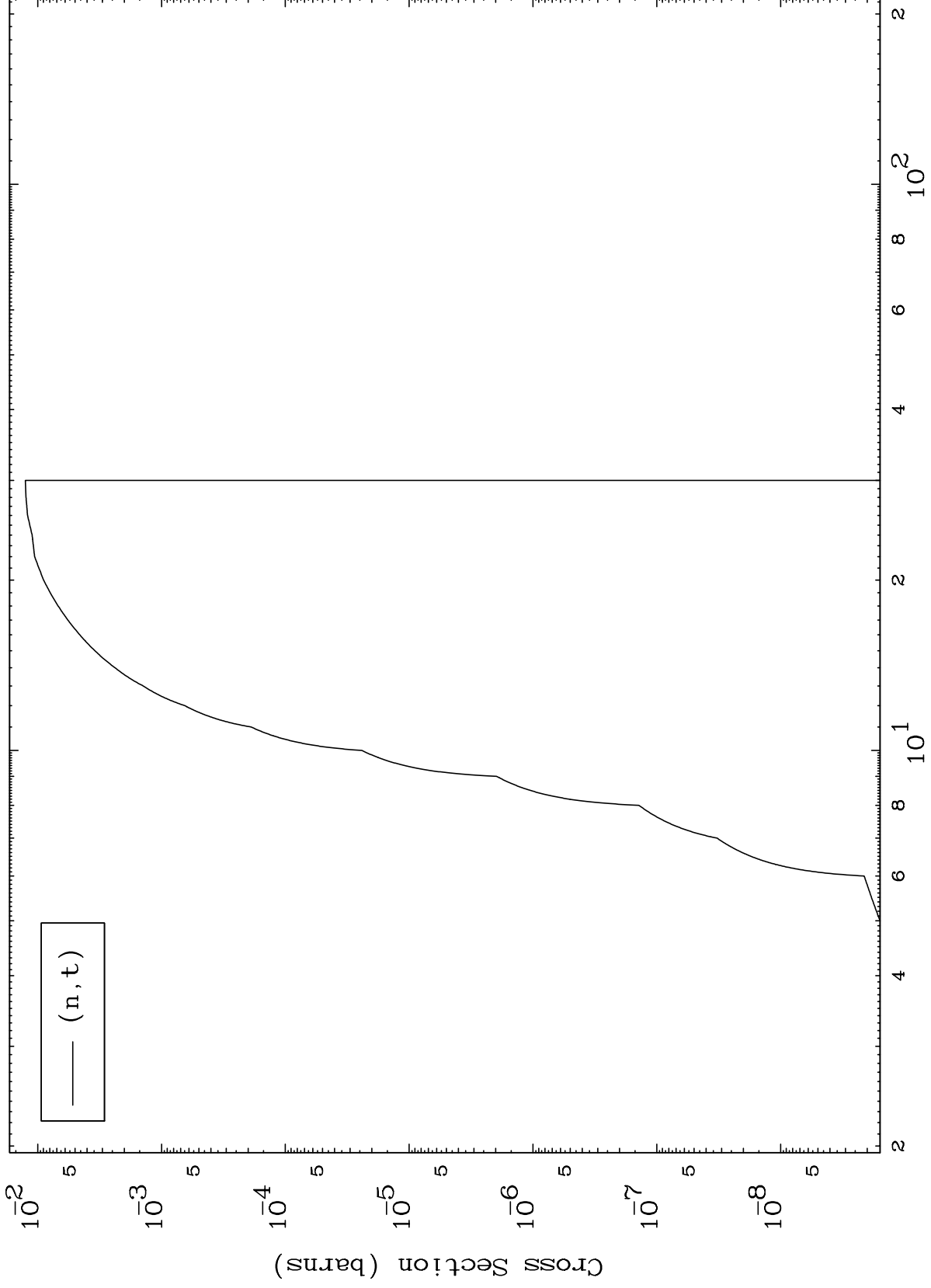
0 Kelvin Cross Sections



MAT 3829

(d,t) Levels
0 Kelvin Cross Sections

38-Sr-85m



9

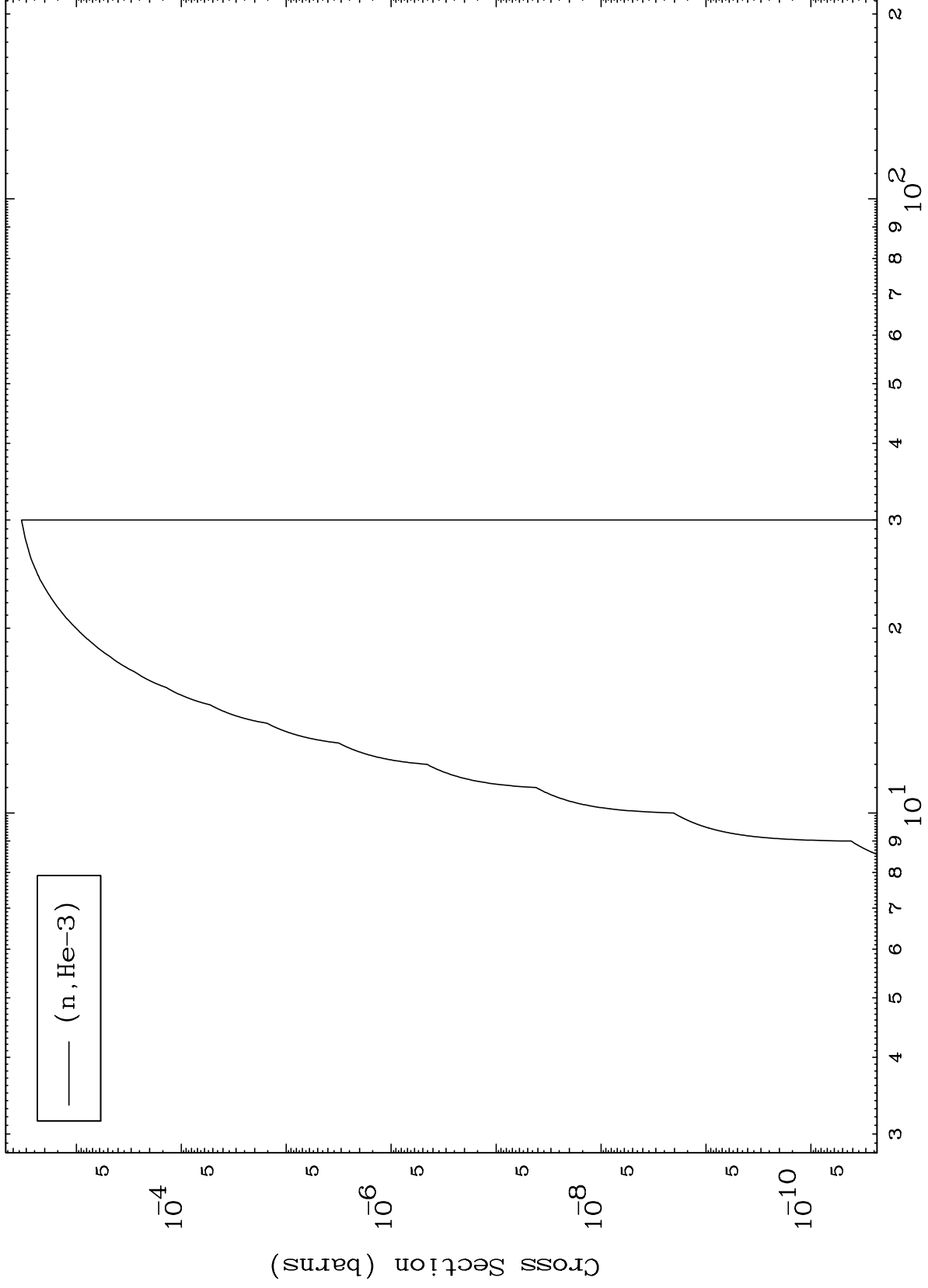
Incident Energy (MeV)

38-Sr-85m

MAT 3829

(d,He3) Levels
0 Kelvin Cross Sections

38-Sr-85m



10

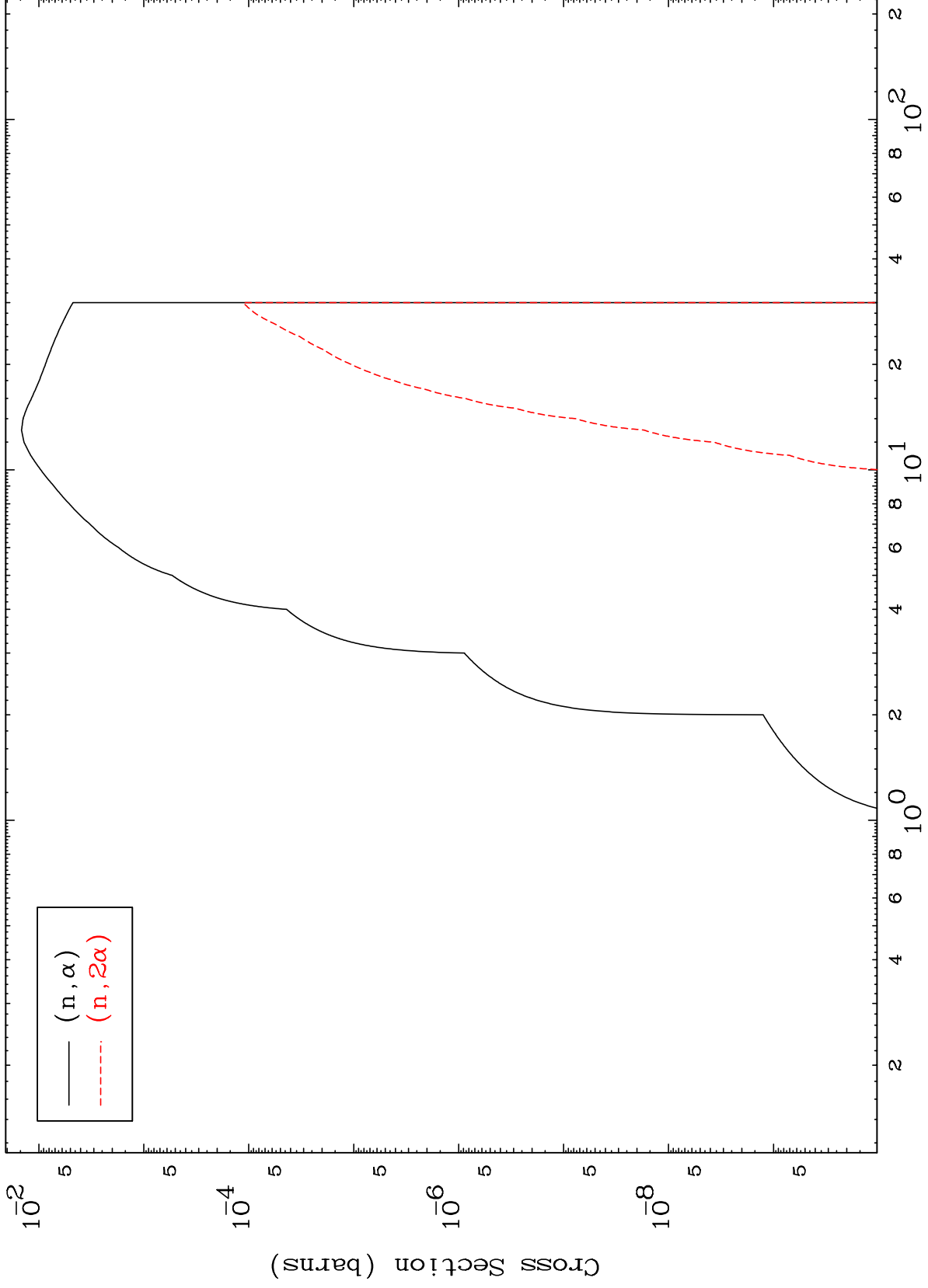
Incident Energy (MeV)

38-Sr-85m

MAT 3829

(d, α) Levels
0 Kelvin Cross Sections

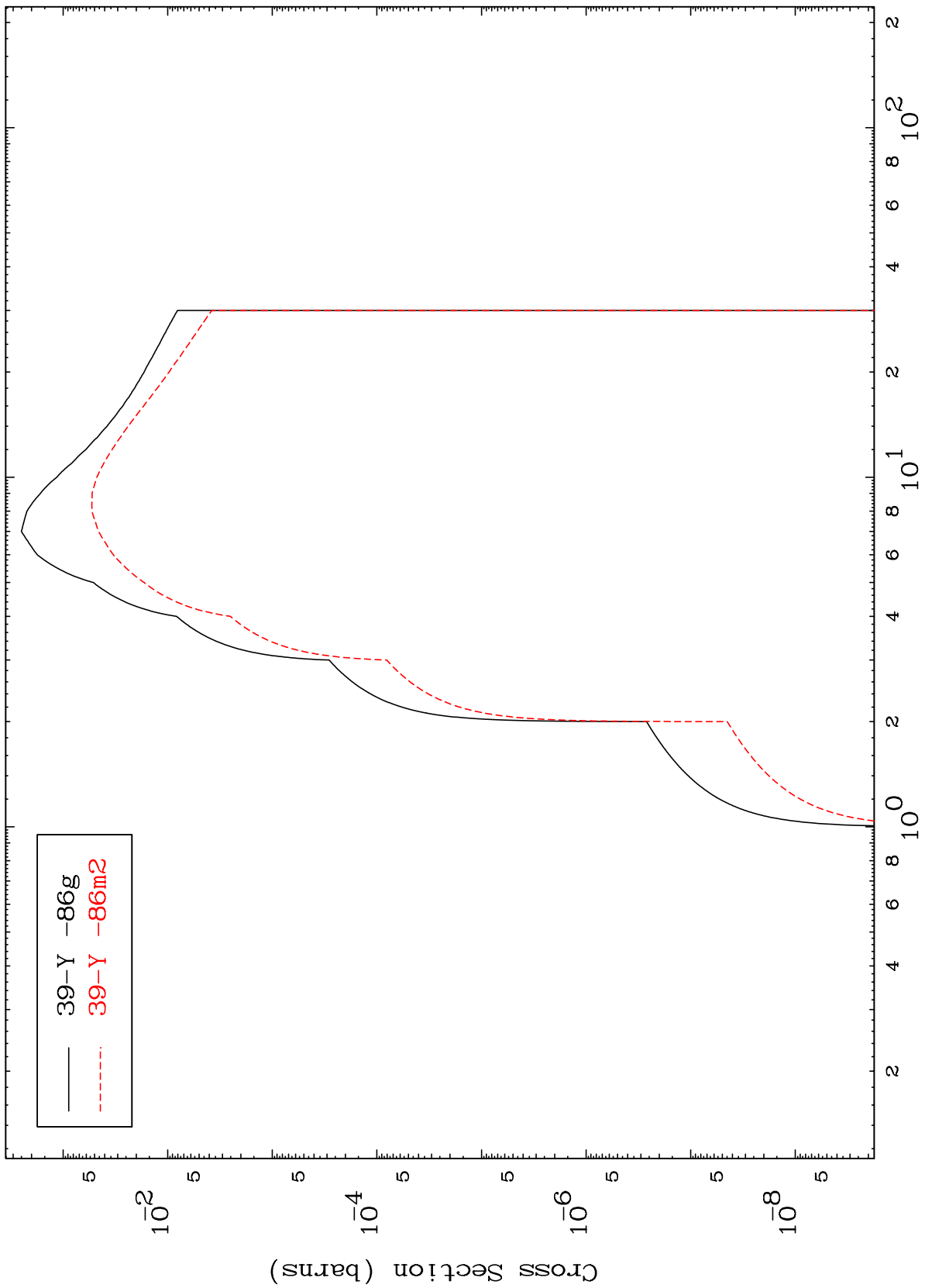
38-Sr-85m



MAT 3829

38-Sr-85m

Inelastic
Radionuclide Production Cross Section



— 39-Y -86g
- - - 39-Y -86m2

38-Sr-85m

Incident Energy (MeV)

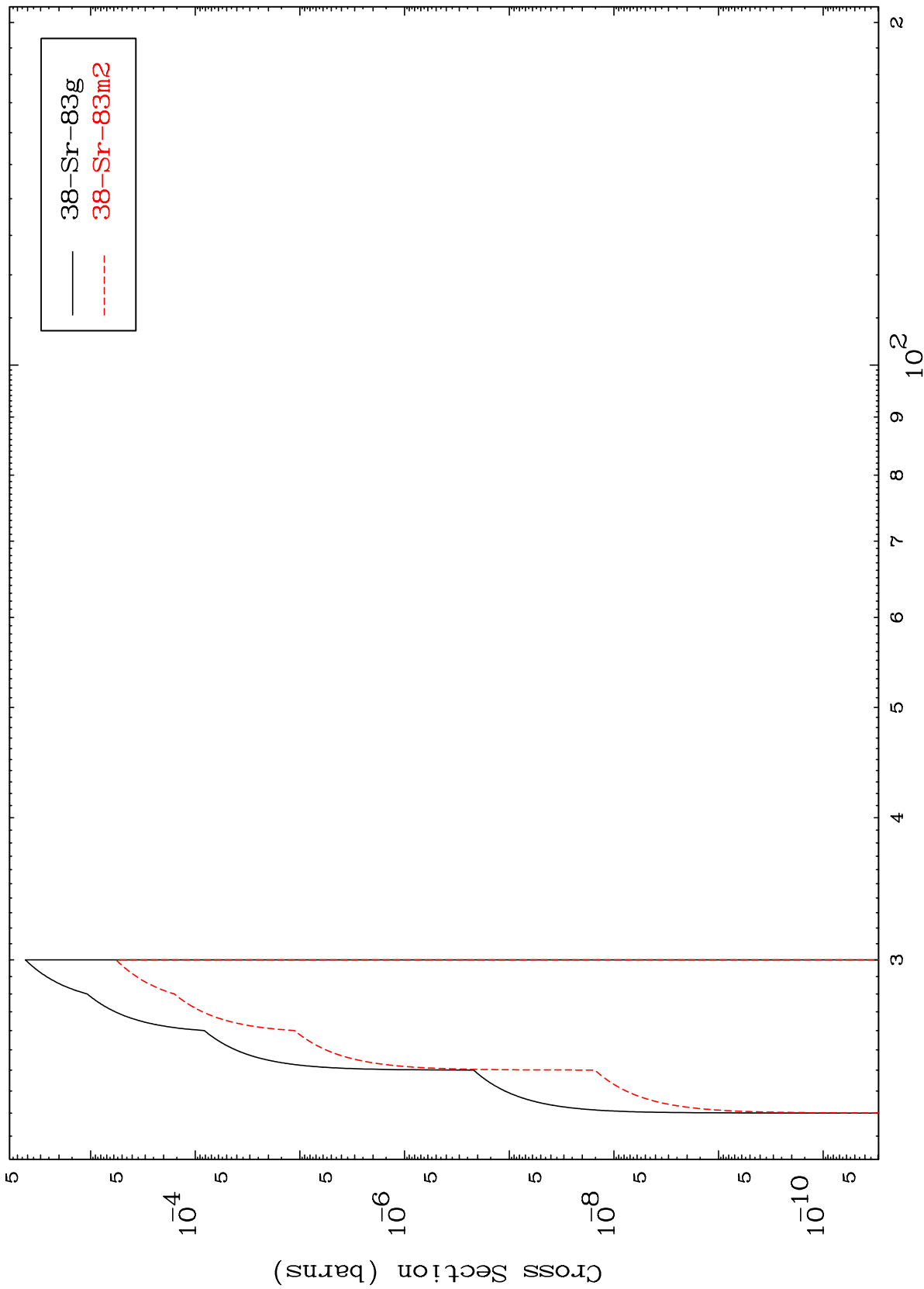
12

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(n,2n) d

38-Sr-85m

Radionuclide Production Cross Section



13

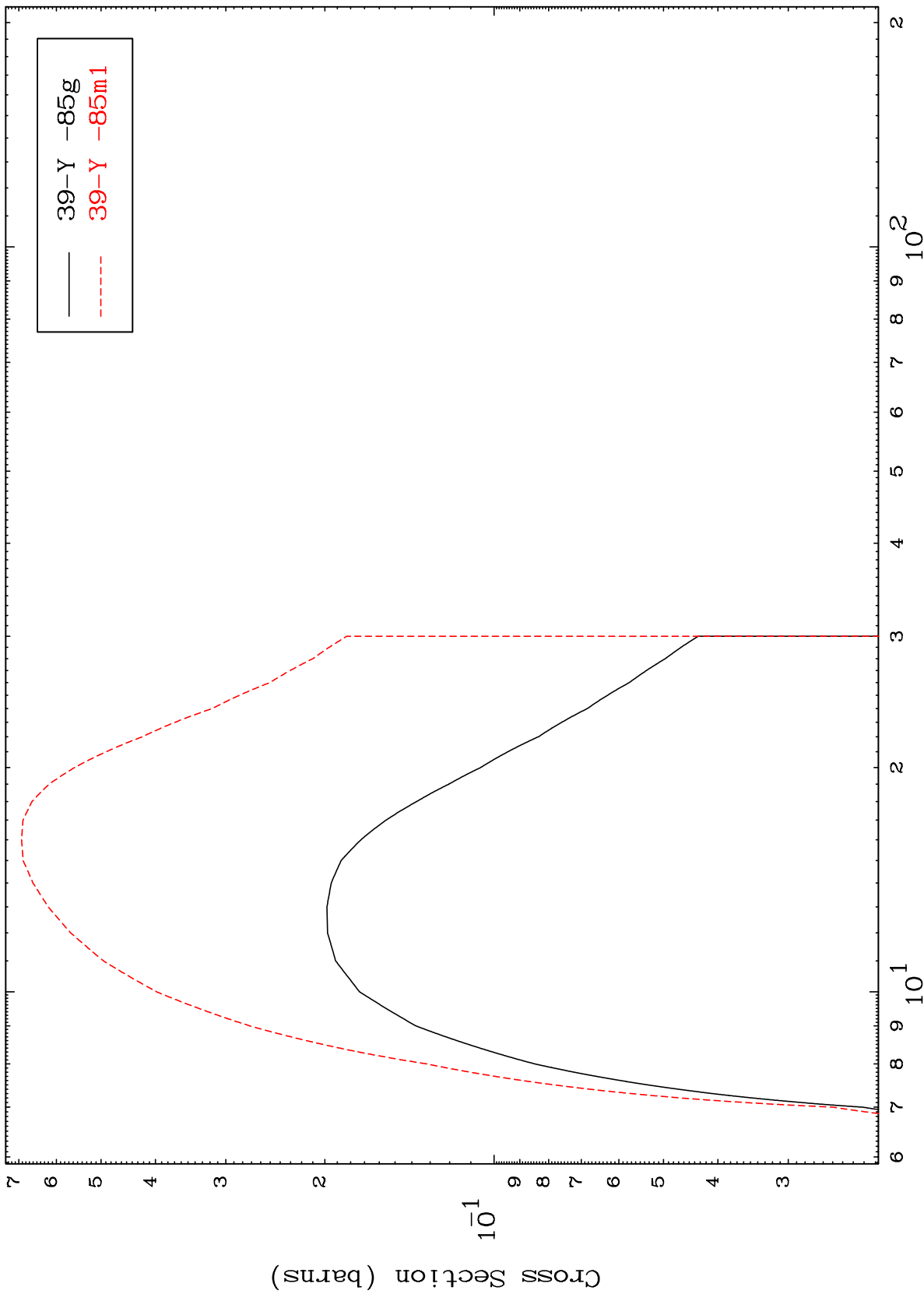
Incident Energy (MeV)

38-Sr-85m

MAT 3829

38-Sr-85m

(n,2n)
Radionuclide Production Cross Section



38-Sr-85m

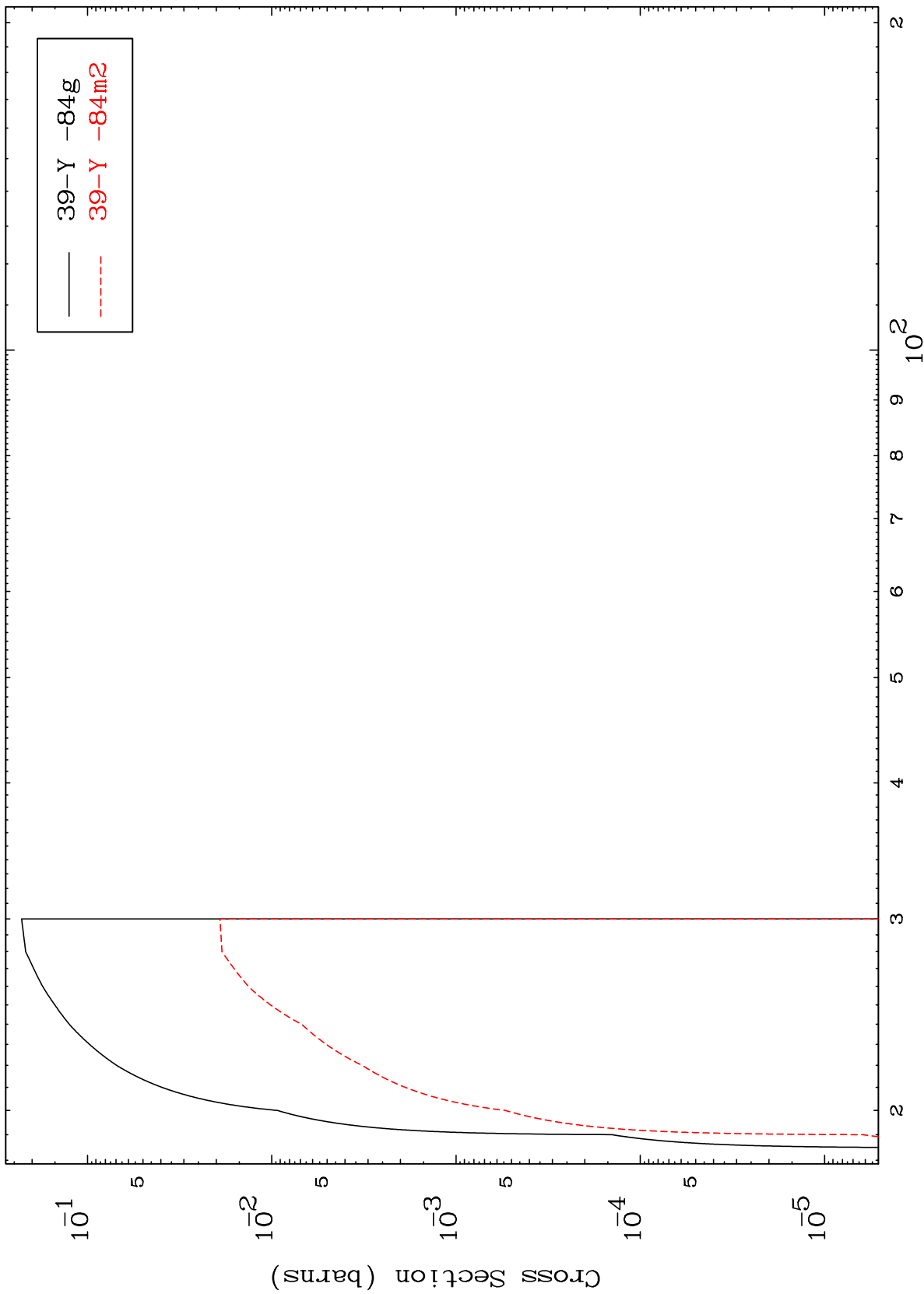
Incident Energy (MeV)

14

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38-Sr-85m

(n,3n)
Radionuclide Production Cross Section



38-Sr-85m

Incident Energy (MeV)

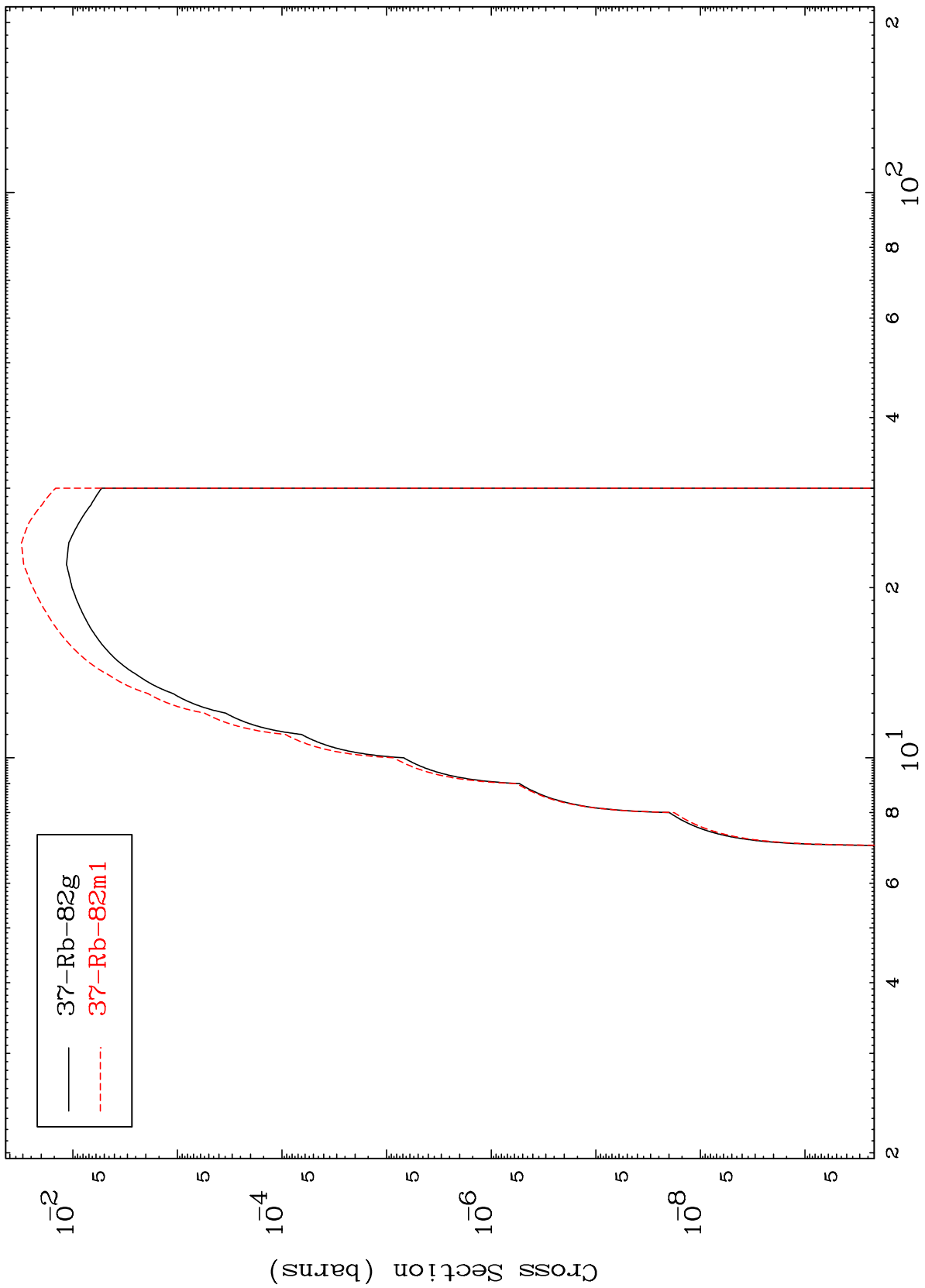
15

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38-Sr-85m

(n,n') α

Radionuclide Production Cross Section



38-Sr-85m

Incident Energy (MeV)

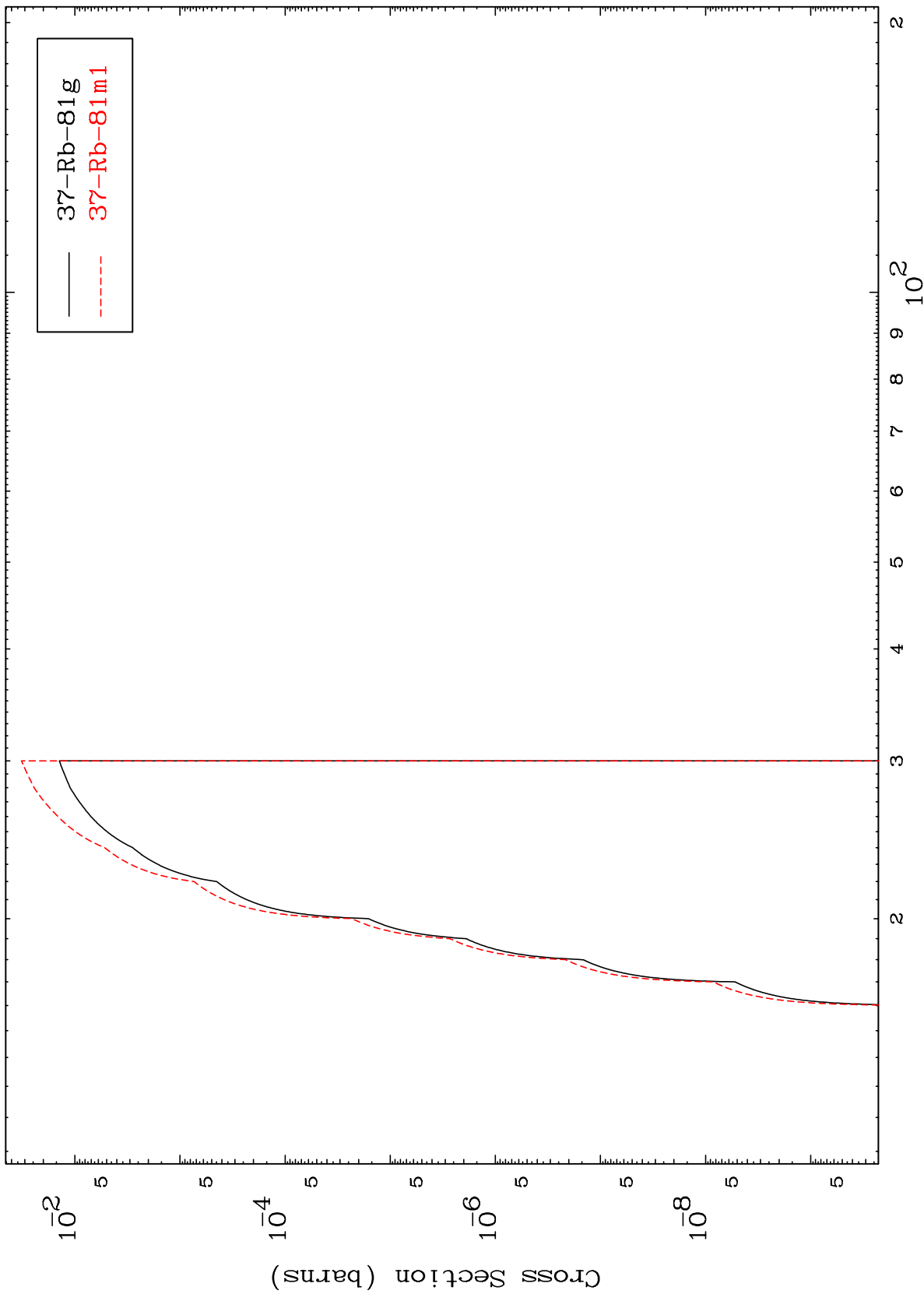
16

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$(n,2n) \alpha$

38-Sr-85m

Radionuclide Production Cross Section



37-Rb-81g
37-Rb-81m1

17

Incident Energy (MeV)

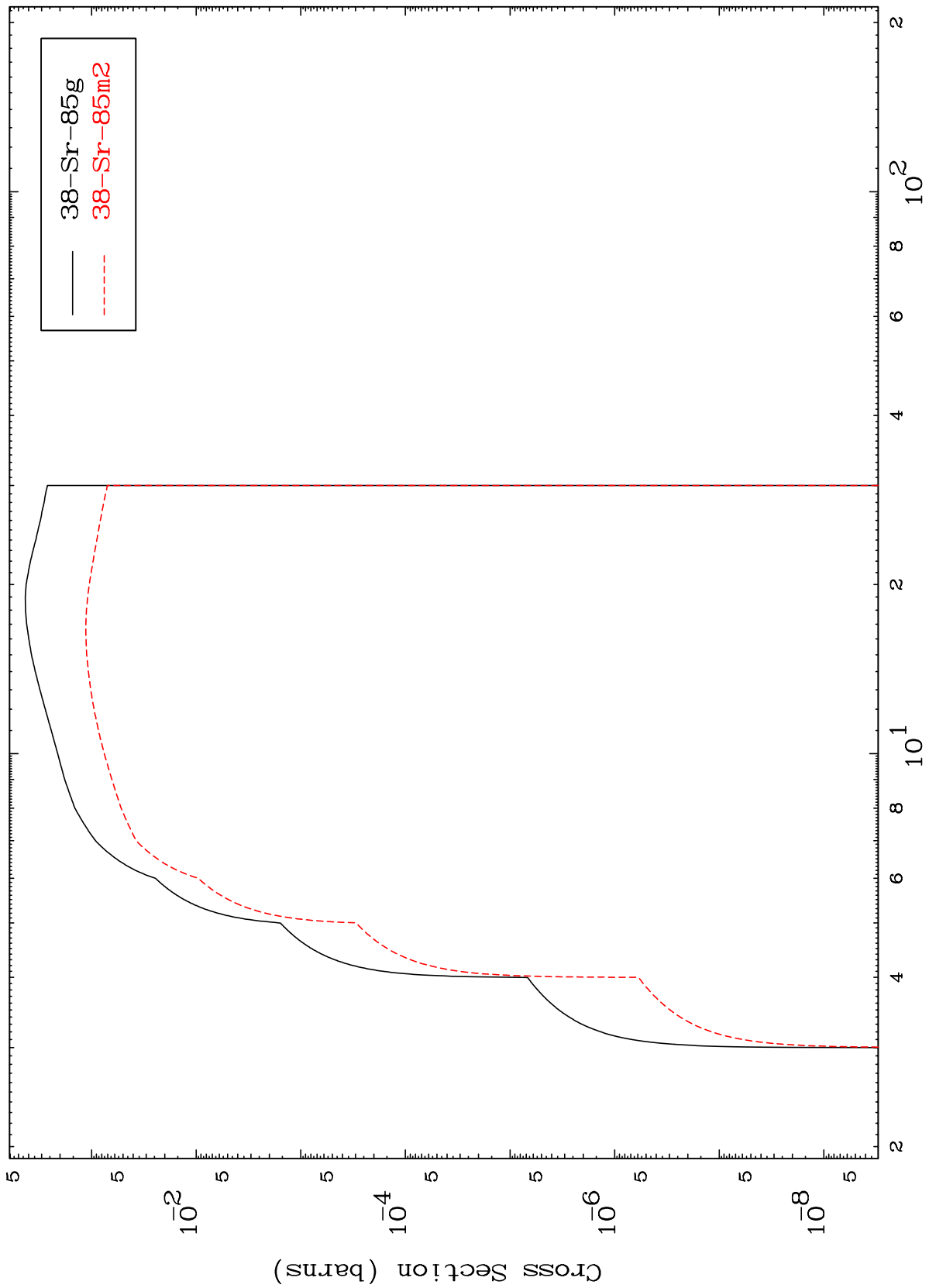
38-Sr-85m

MAT 3829

(n,n') p

38-Sr-85m

Radionuclide Production Cross Section



18

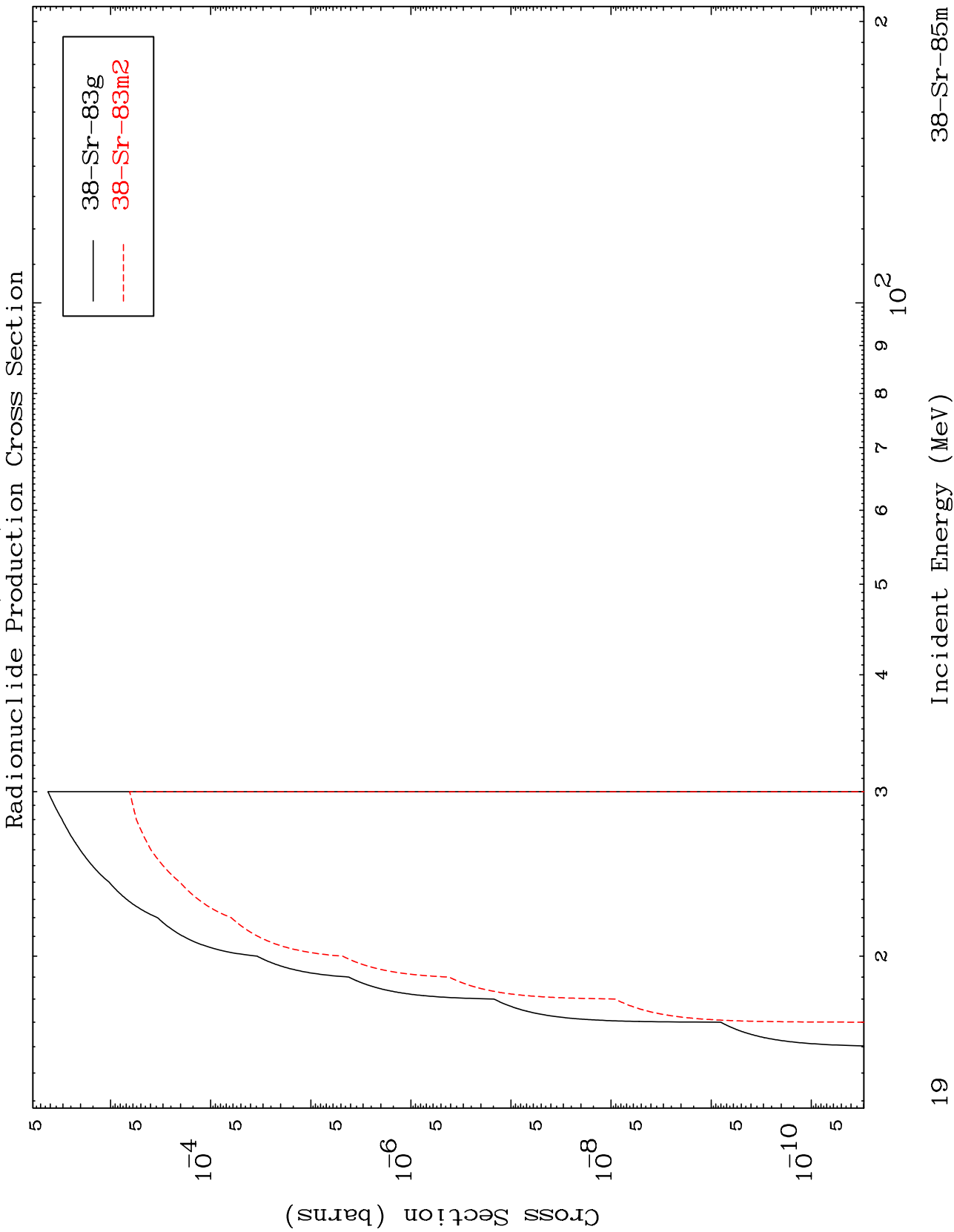
Incident Energy (MeV)

38-Sr-85m

MAT 3829

(n,n') t

³⁸Sr-⁸⁵m



19

Incident Energy (MeV)

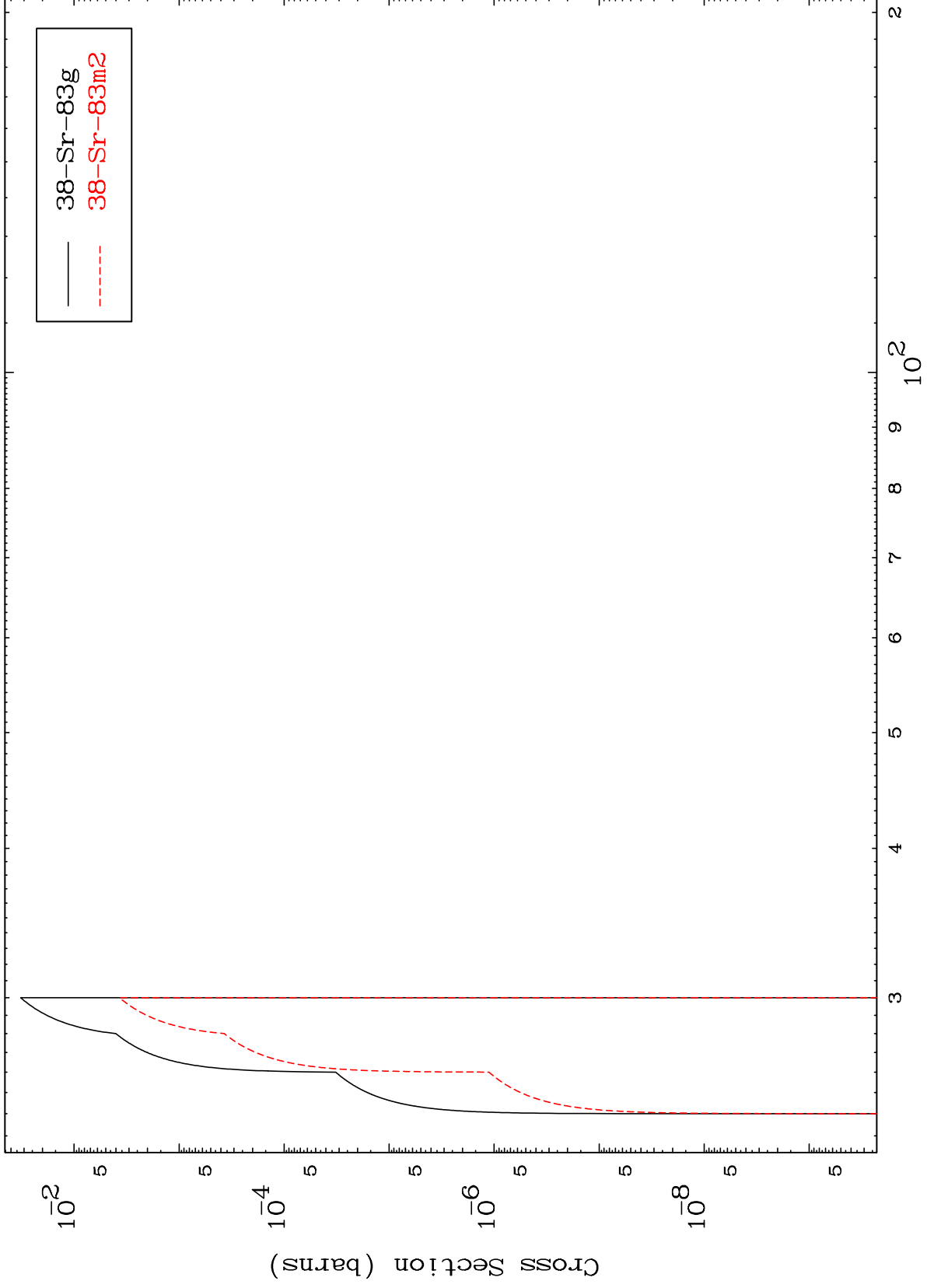
³⁸Sr-⁸⁵m

MAT 3829

(n,3n) p

38-Sr-85m

Radionuclide Production Cross Section

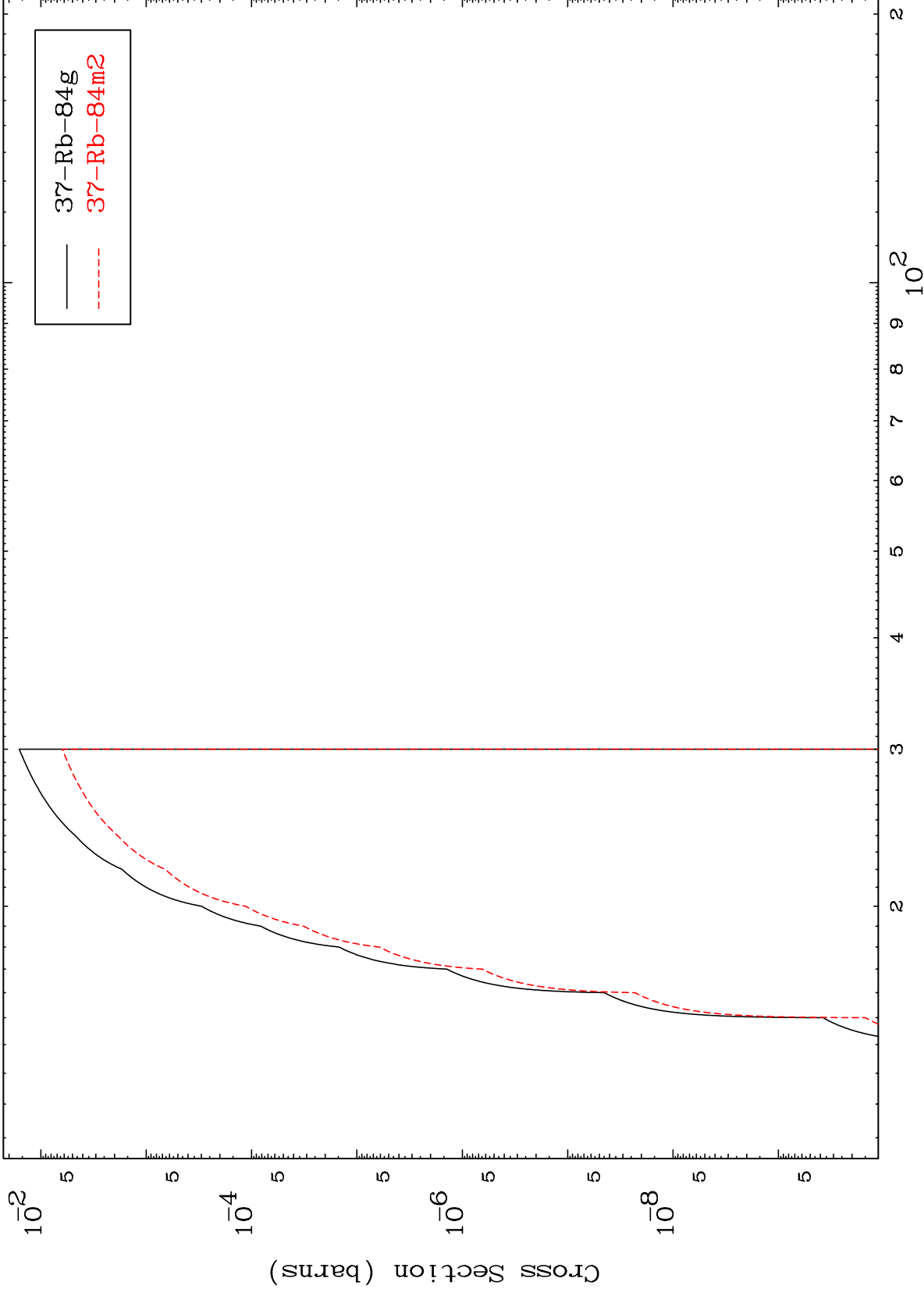


20

Incident Energy (MeV)

38-Sr-85m

Radionuclide Production Cross Section

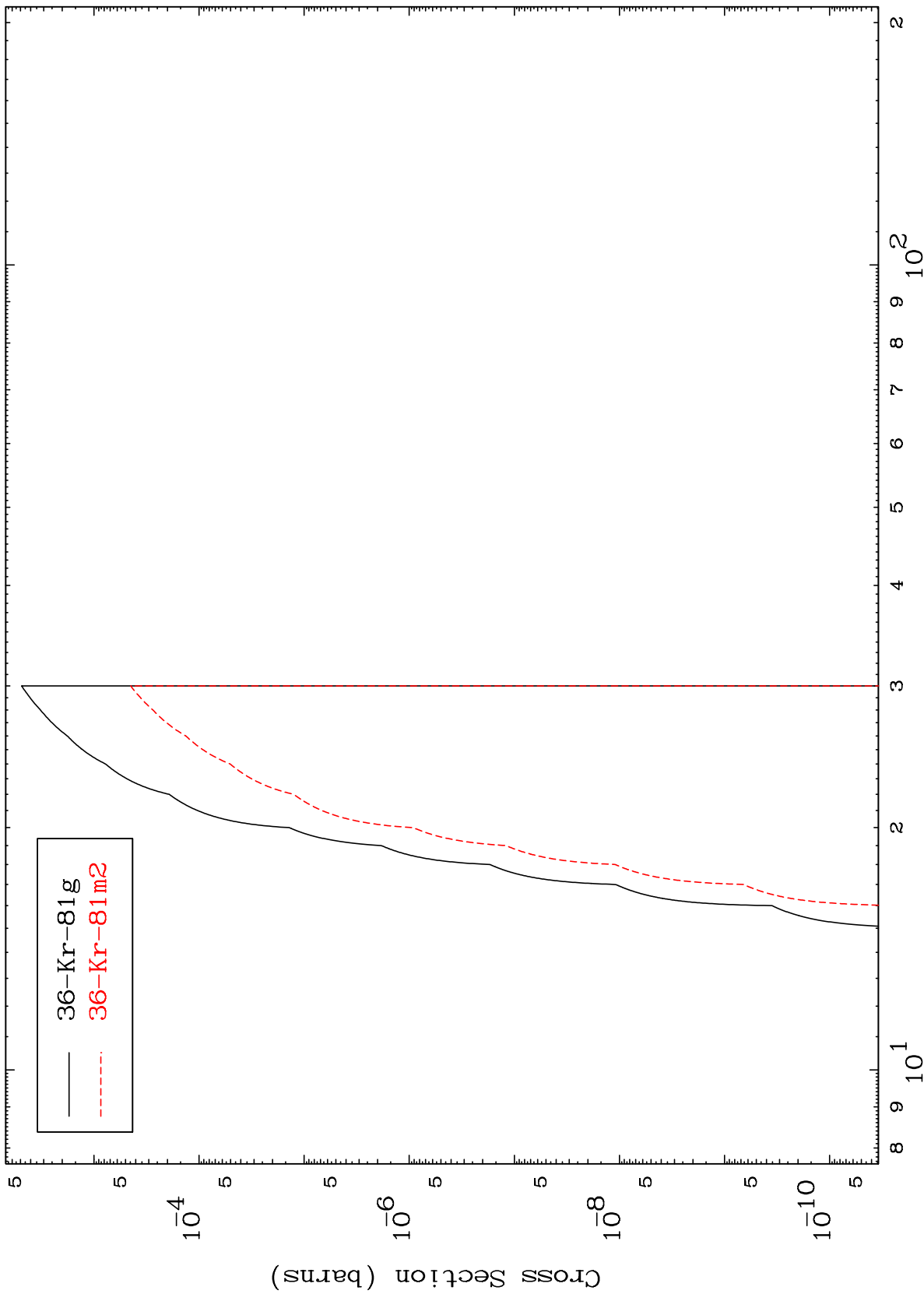


MAT 3829

(n,n') p α

38-Sr-85m

Radionuclide Production Cross Section



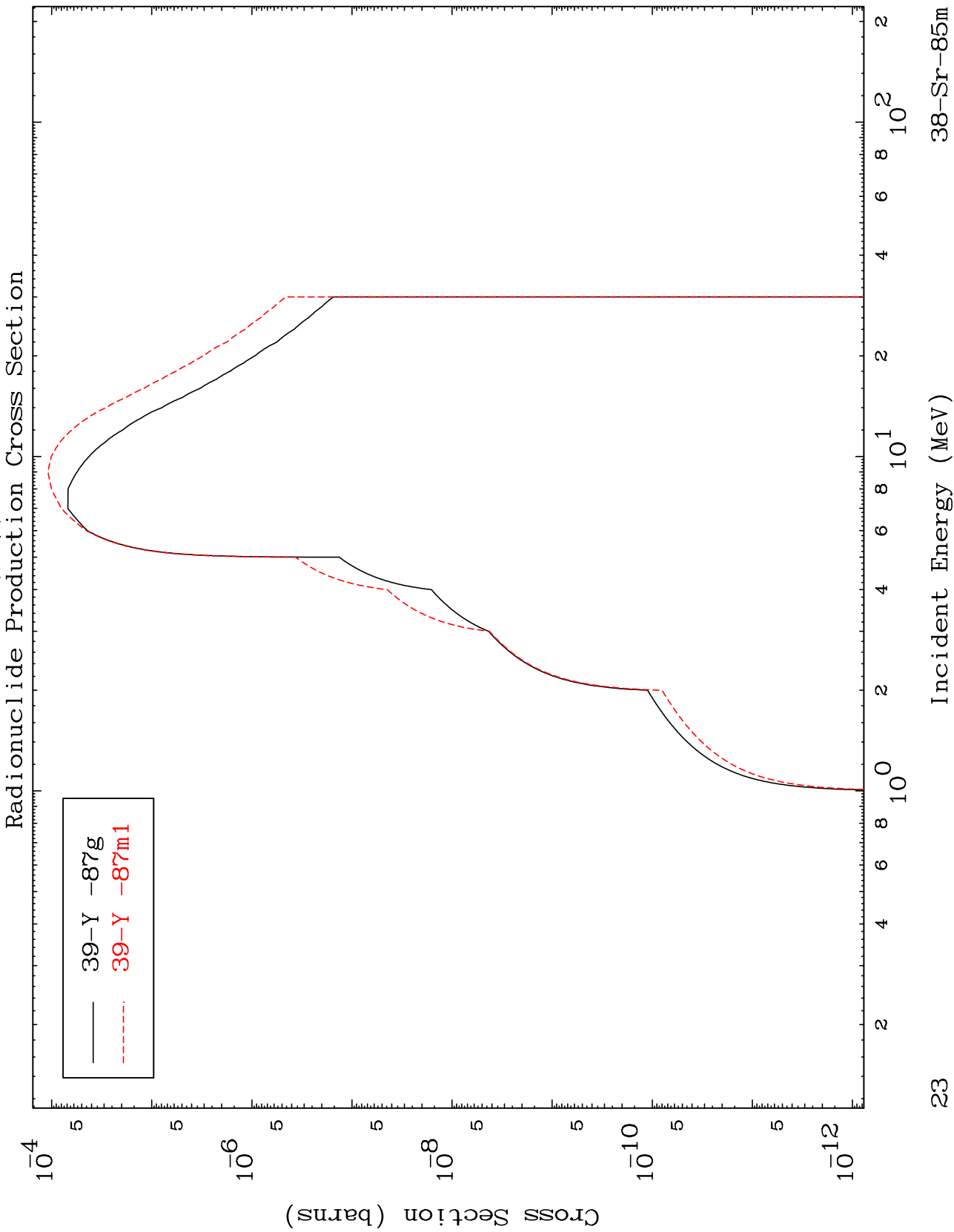
22

Incident Energy (MeV)

38-Sr-85m

MAT 3829

38-Sr-85m



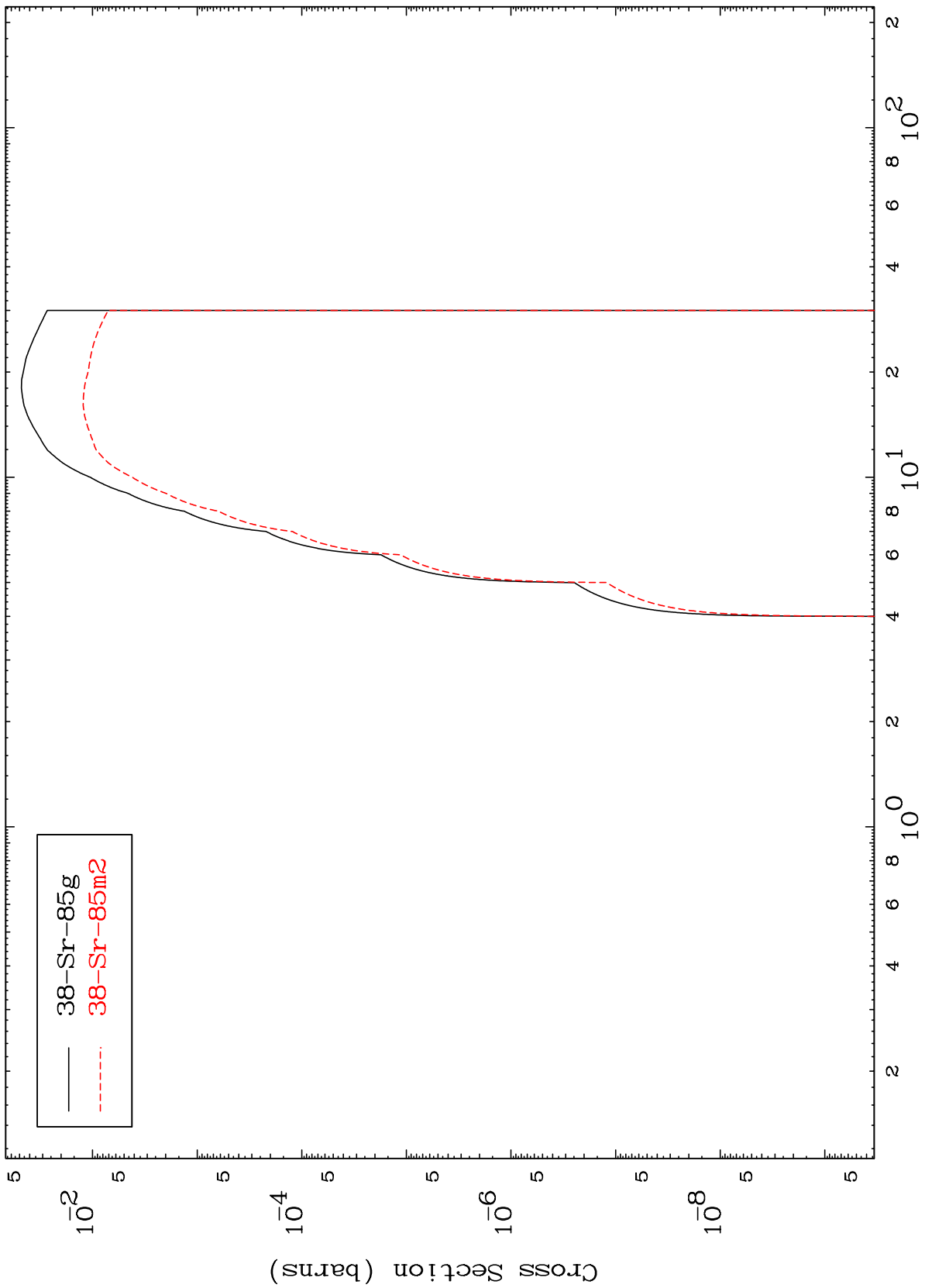
— 39-Y -87g
- - - 39-Y -87m1

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(n,d)

38-Sr-85m

Radionuclide Production Cross Section



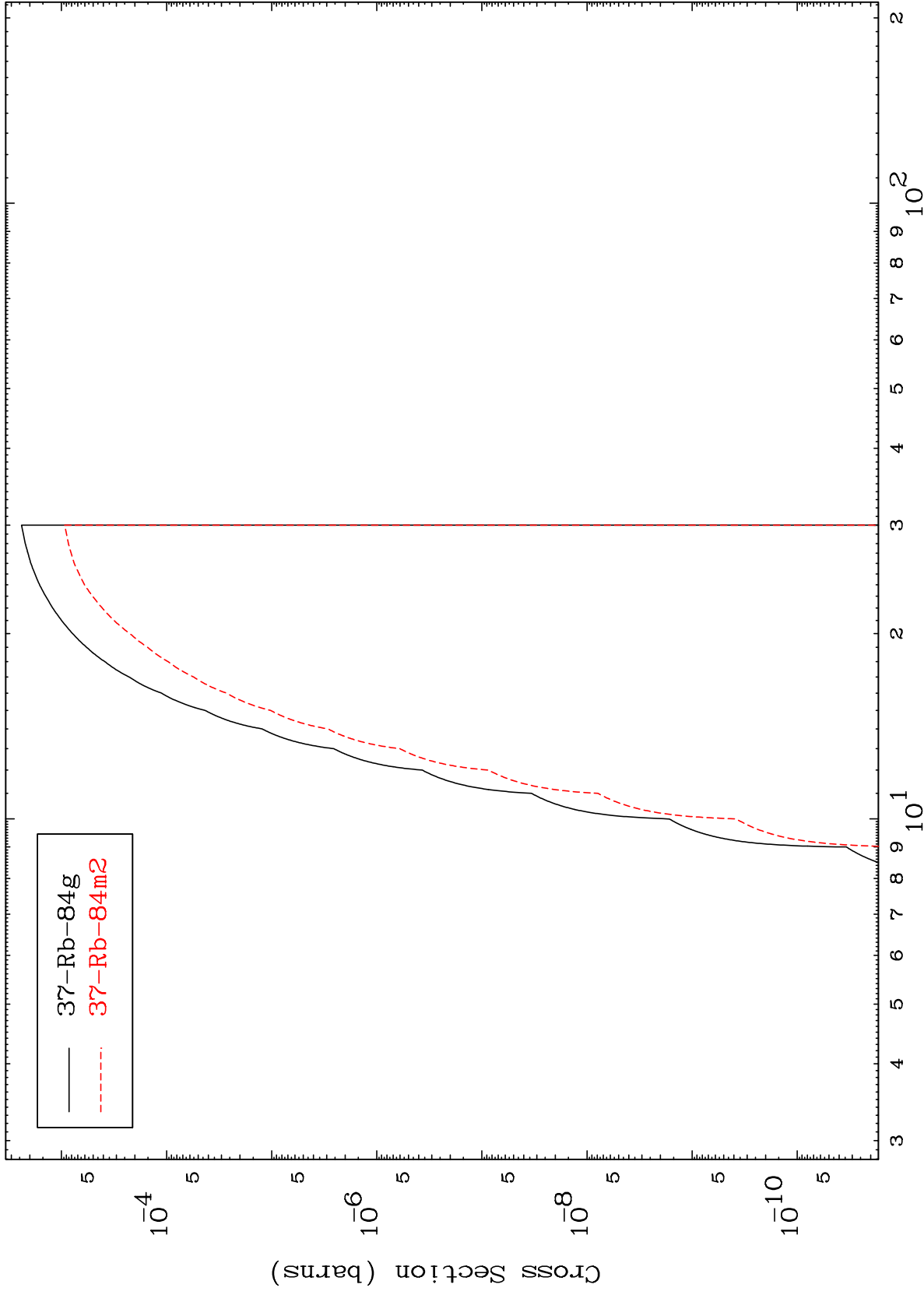
38-Sr-85g
38-Sr-85m2

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(n,He-3)

38-Sr-85m

Radionuclide Production Cross Section



Legend:
— 37-Rb-84g
- - - 37-Rb-84m2

25

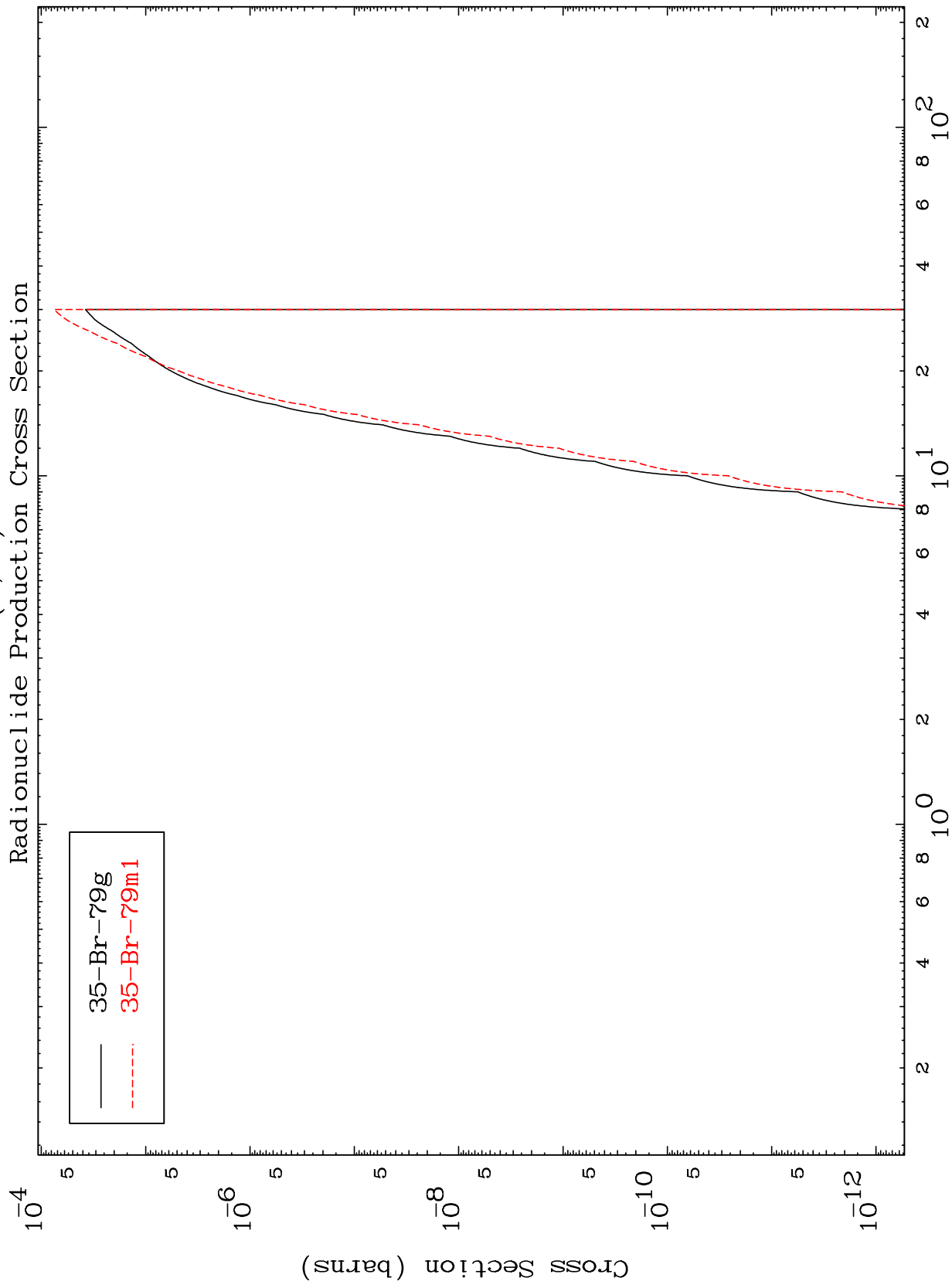
Incident Energy (MeV)

38-Sr-85m

MAT 3829

38-Sr-85m

Radionuclide Production Cross Section
(n,2 α)



26

Incident Energy (MeV)

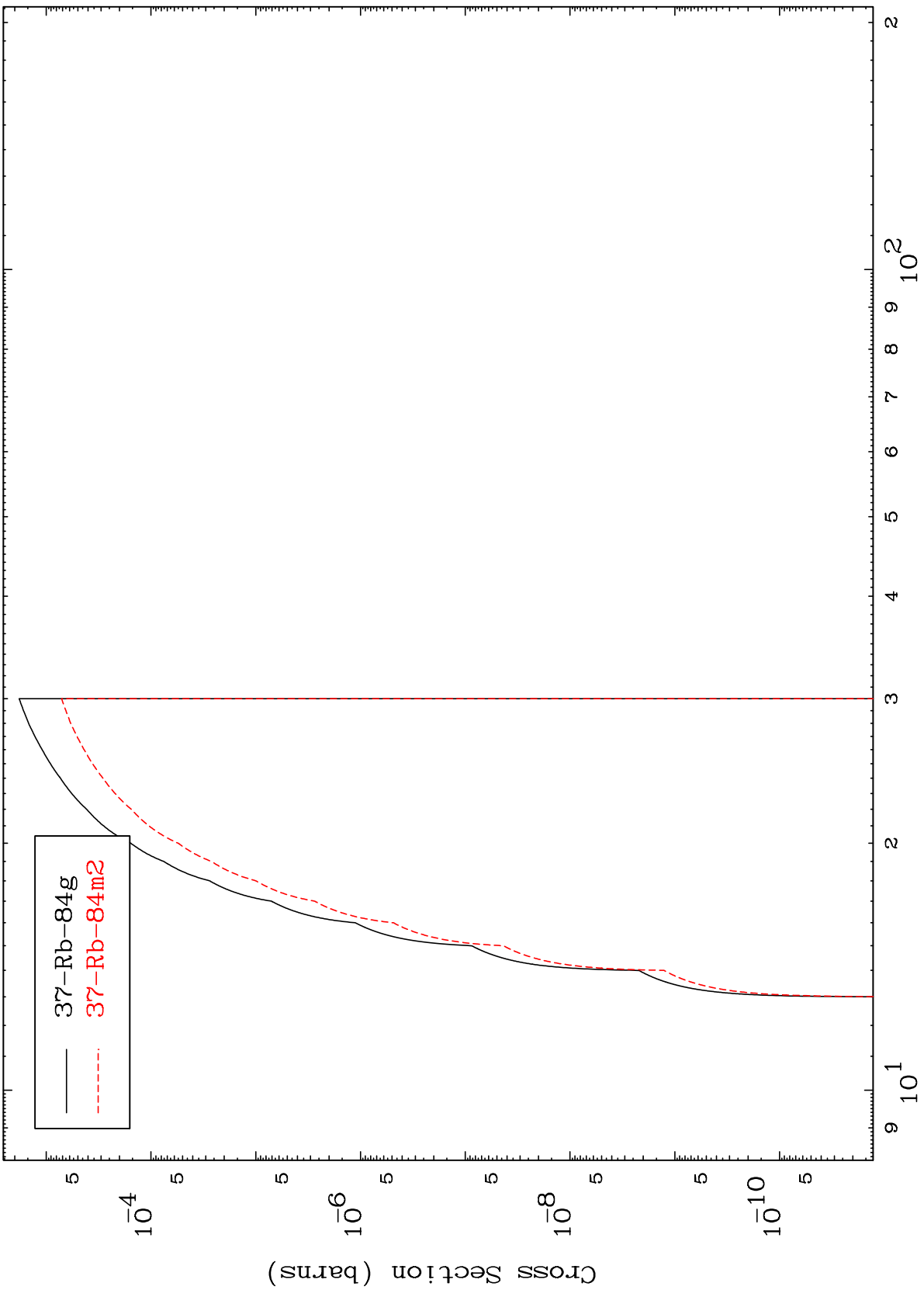
38-Sr-85m

MAT 3829

(n,p) d

38-Sr-85m

Radionuclide Production Cross Section



— 37-Rb-84g
- - - 37-Rb-84m2

27

Incident Energy (MeV)

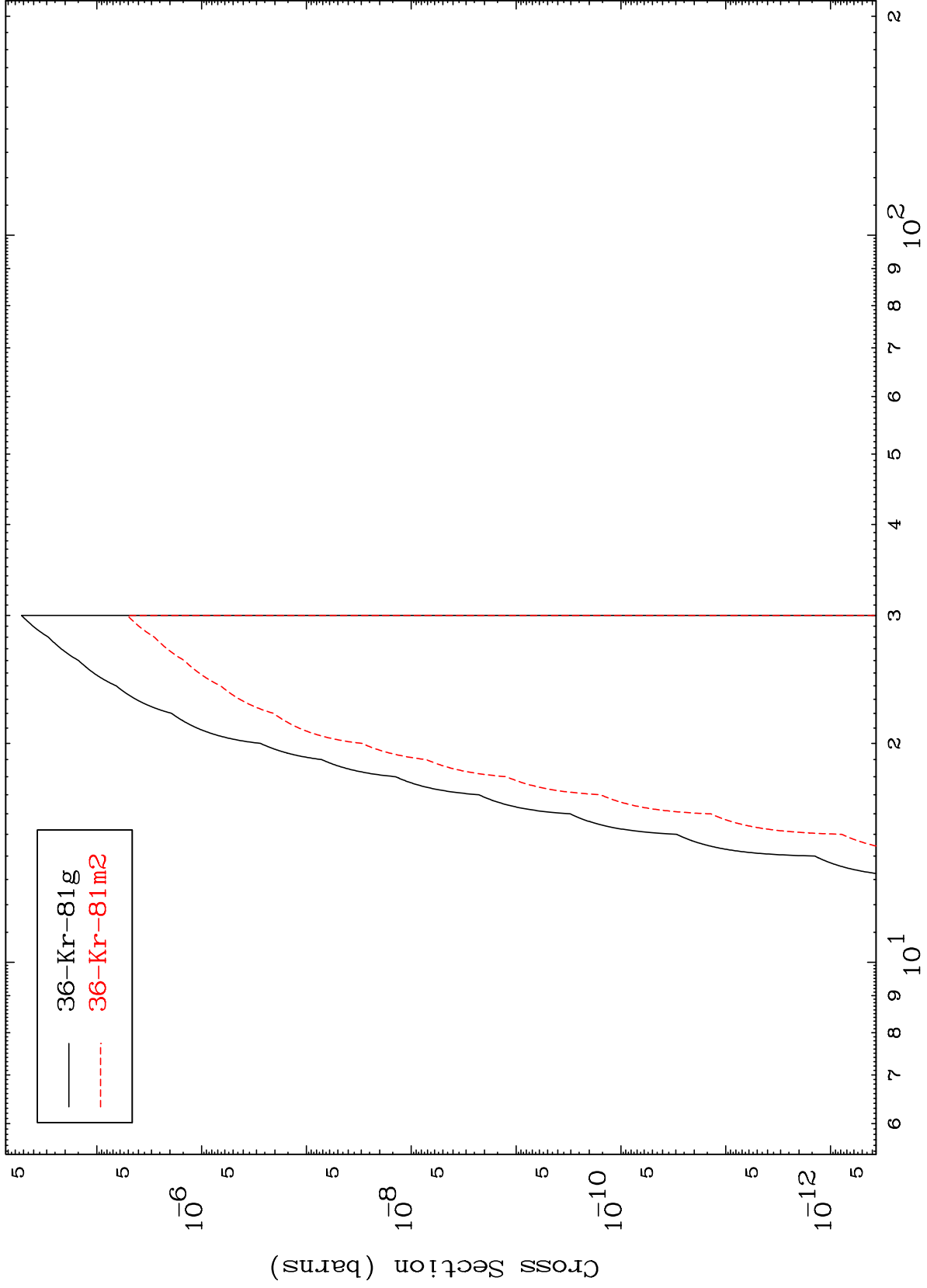
38-Sr-85m

MAT 3829

(n,d) α

38-Sr-85m

Radionuclide Production Cross Section



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

28

Incident Energy (MeV)

38-Sr-85m