

Program EVALPLOT
(Version 2021-1)

by

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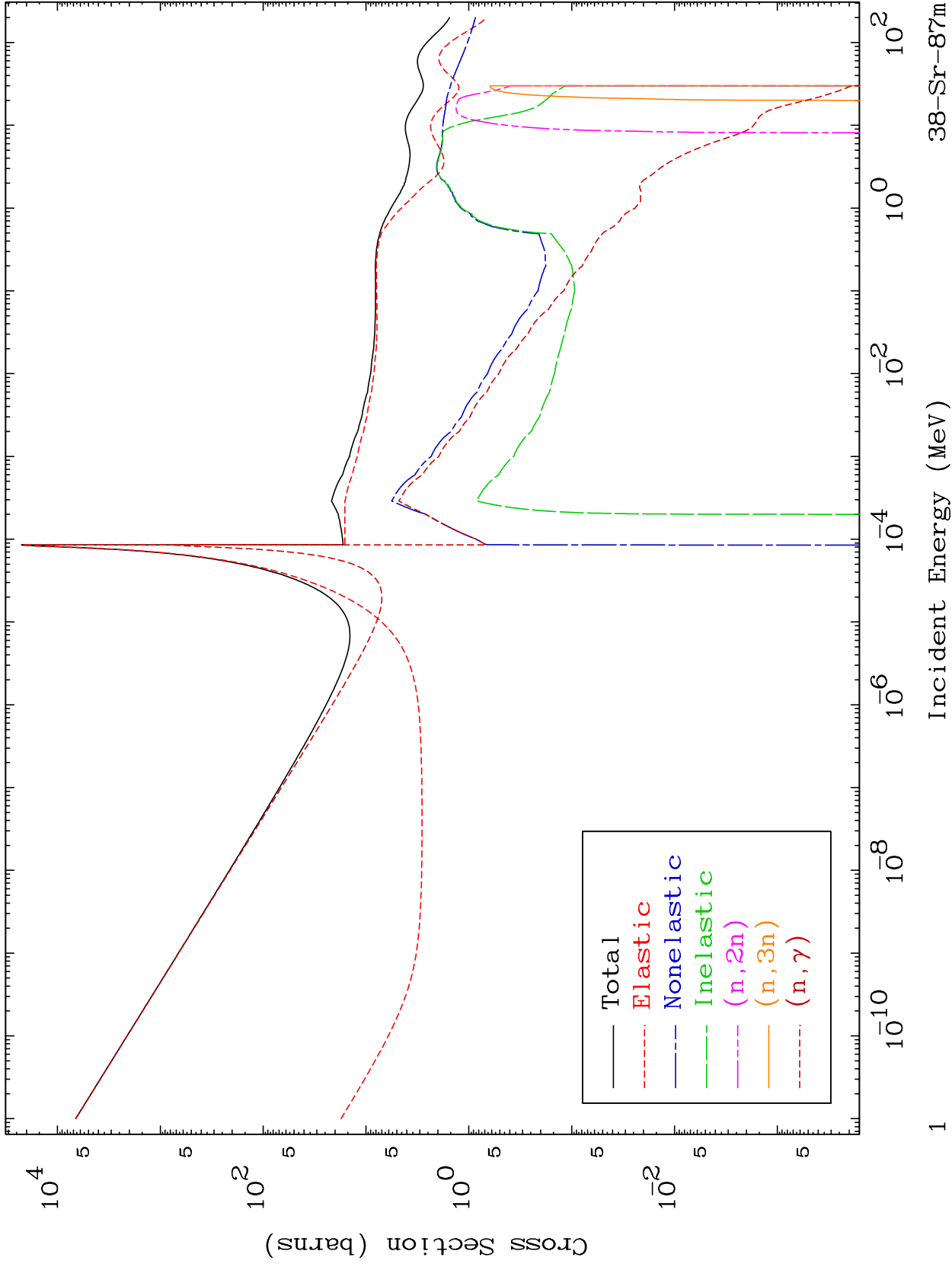
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3835

Neutron Major
293 Kelvin Cross Sections

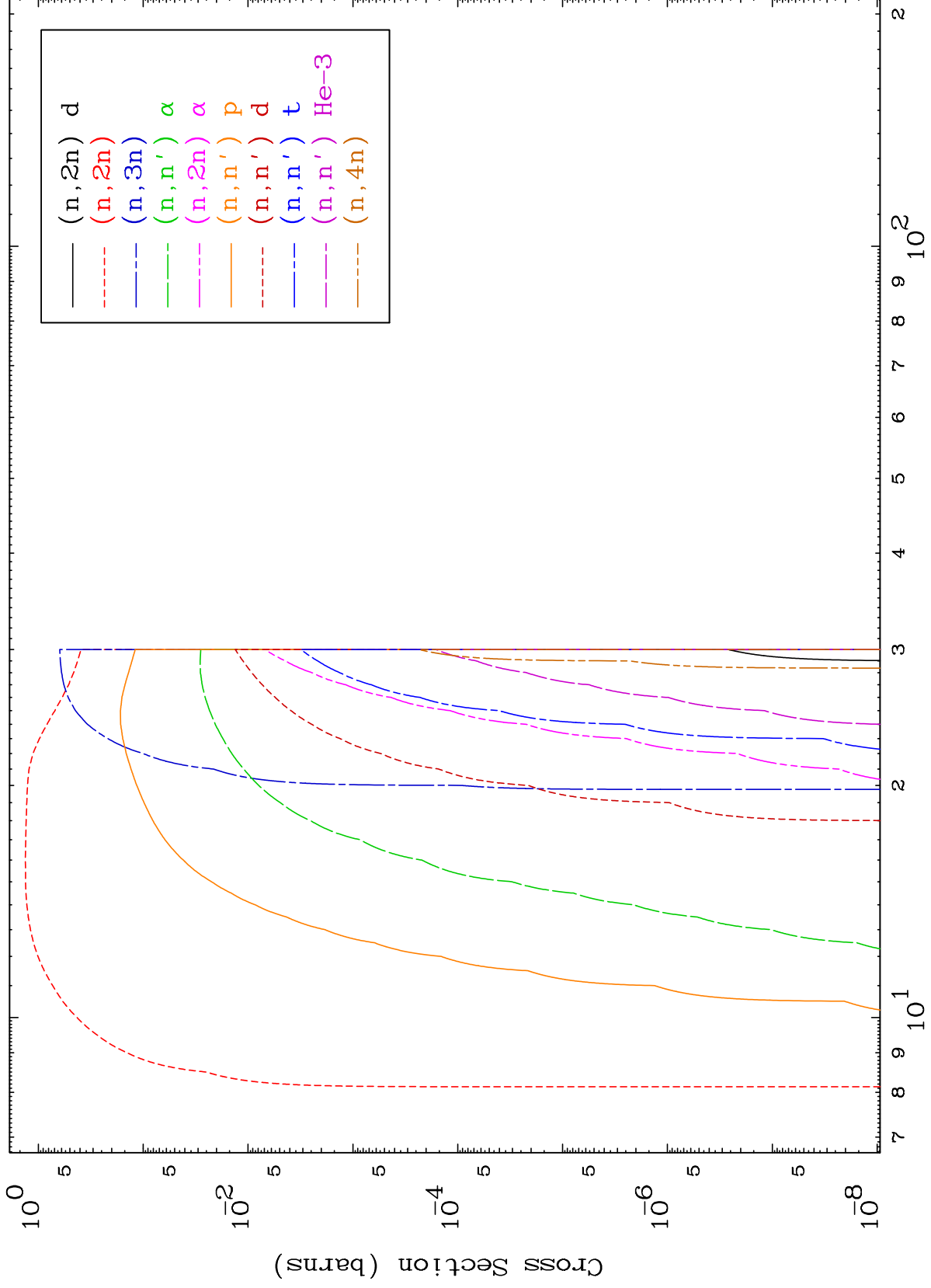
38-Sr-87m



MAT 3835

Neutron Absorption
293 Kelvin Cross Sections

38-Sr-87m



2

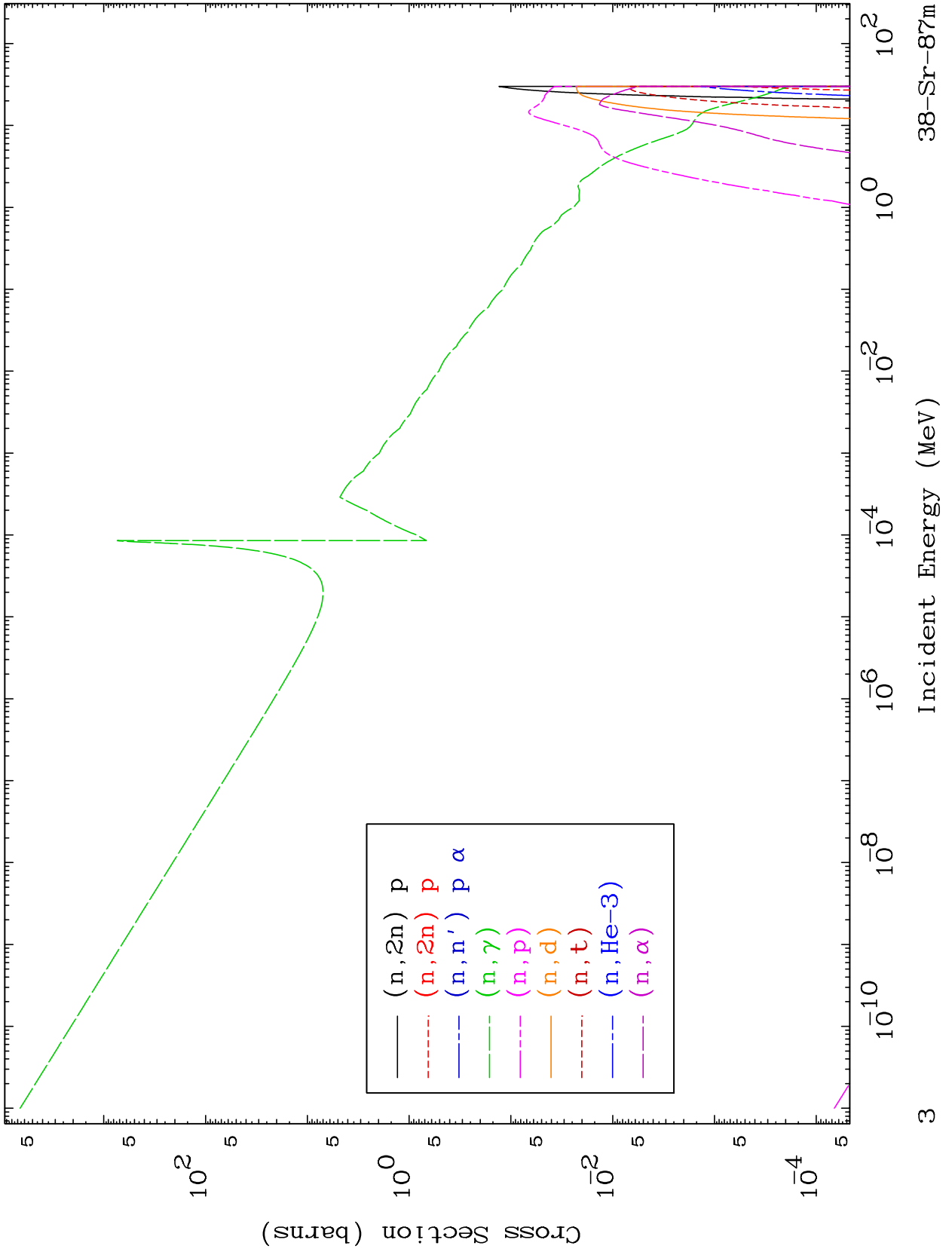
Incident Energy (MeV)

38-Sr-87m

MAT 3835

Neutron Absorption
293 Kelvin Cross Sections

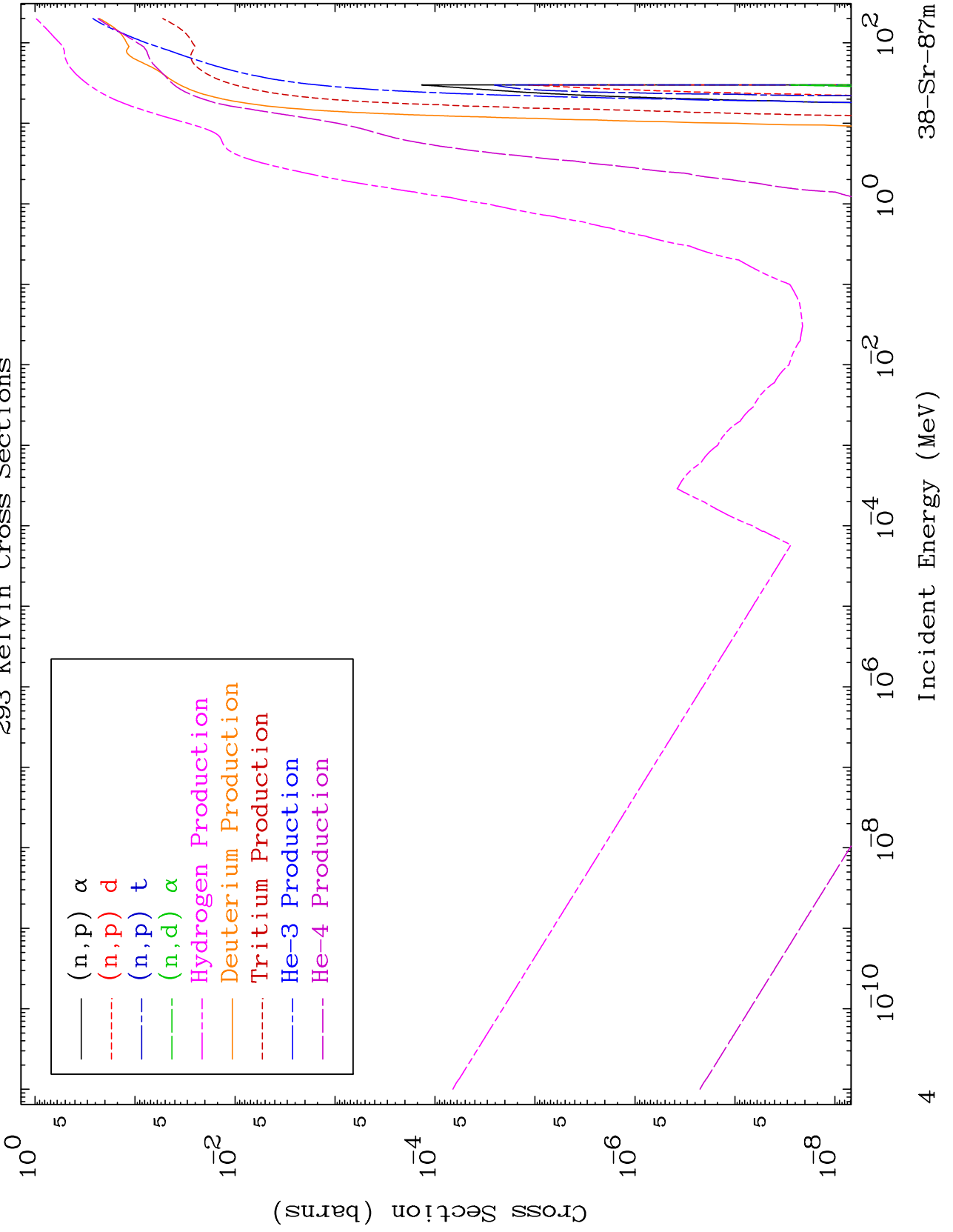
38-Sr-87m



MAT 3835

Neutron Absorption
293 Kelvin Cross Sections

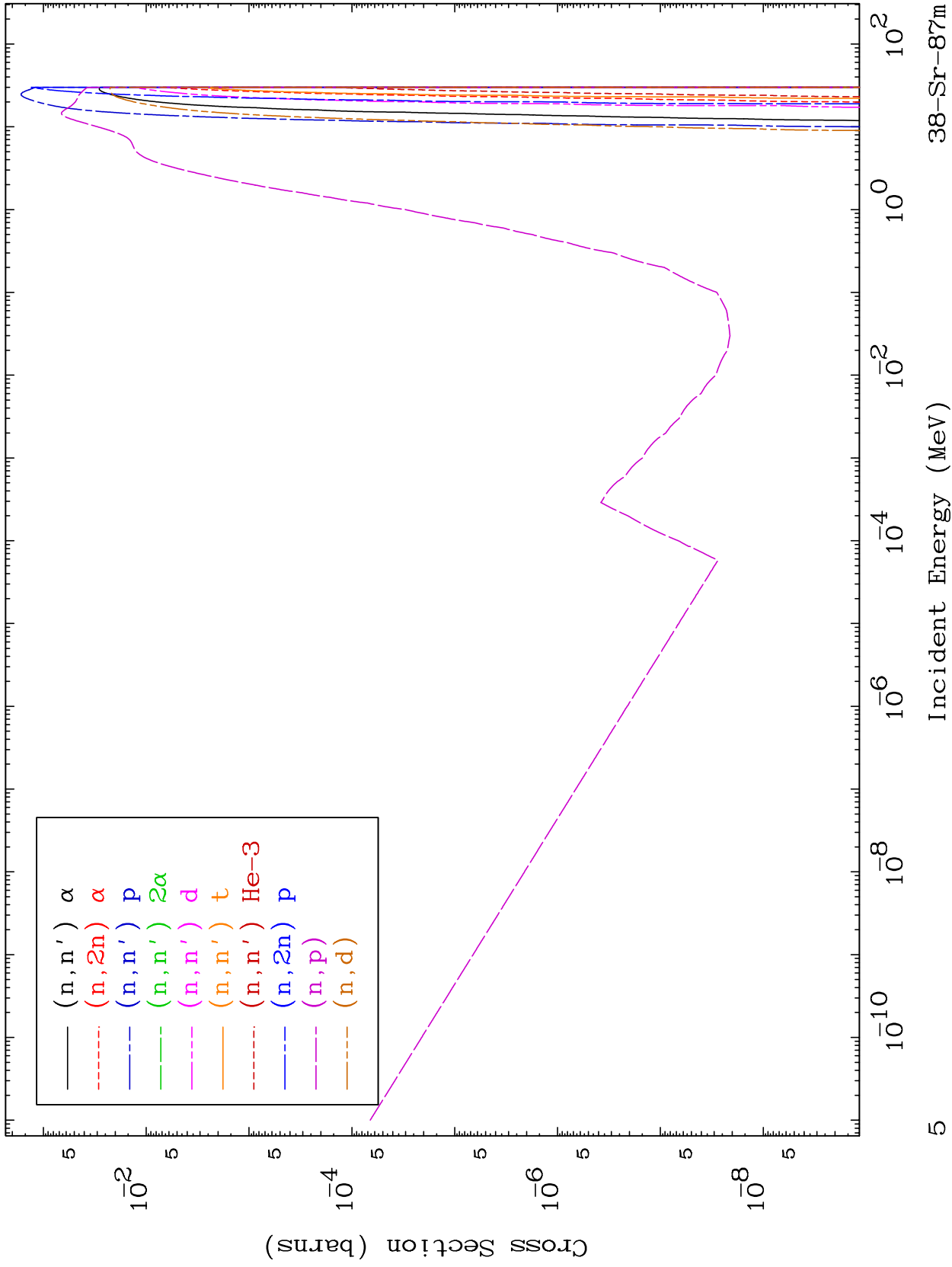
38-Sr-87m



MAT 3835

Charged Particle
293 Kelvin Cross Sections

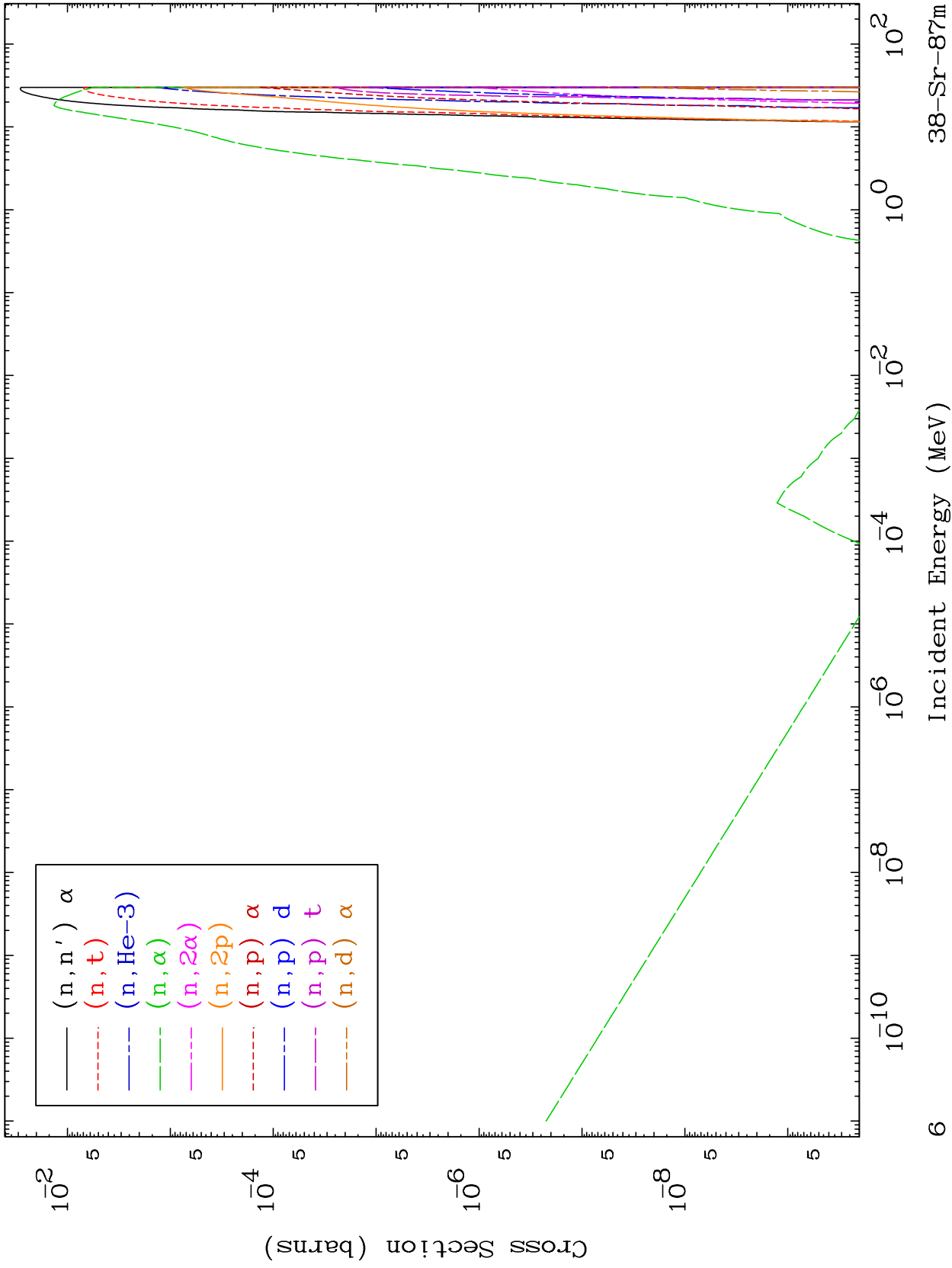
38-Sr-87m



MAT 3835

Charged Particle
293 Kelvin Cross Sections

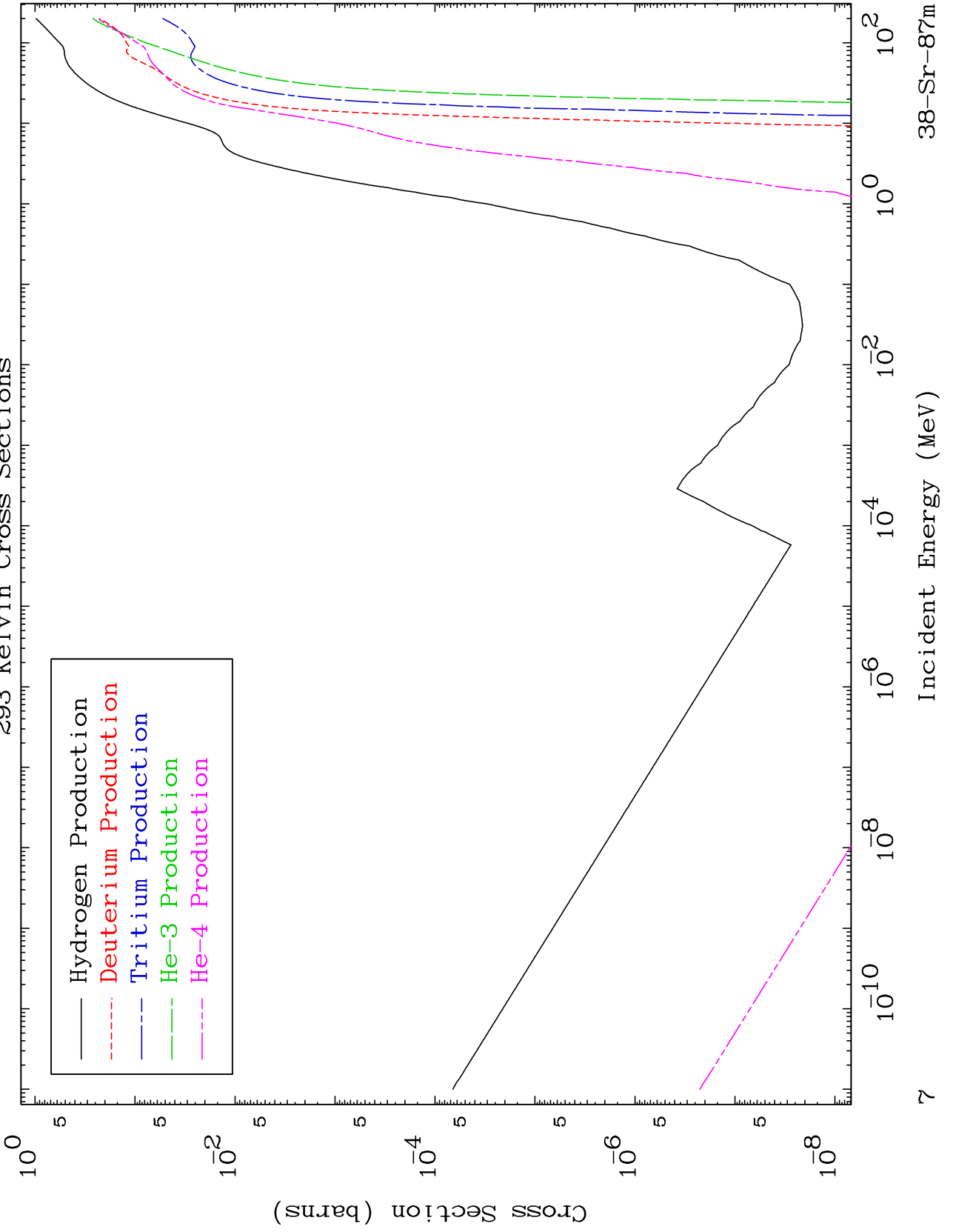
38-Sr-87m



MAT 3835

Particle Production
293 Kelvin Cross Sections

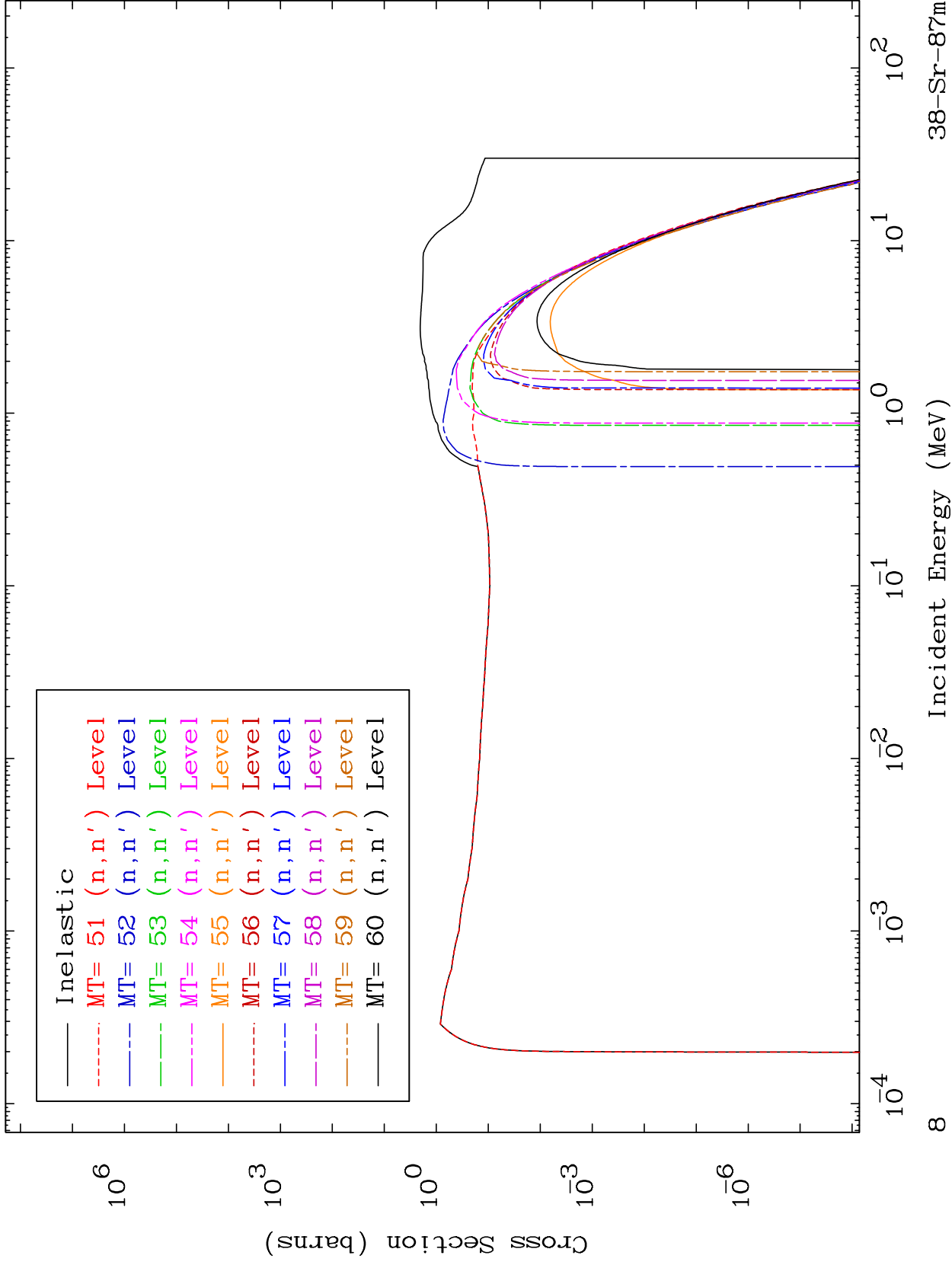
38-Sr-87m



MAT 3835

(n,n') Levels
293 Kelvin Cross Sections

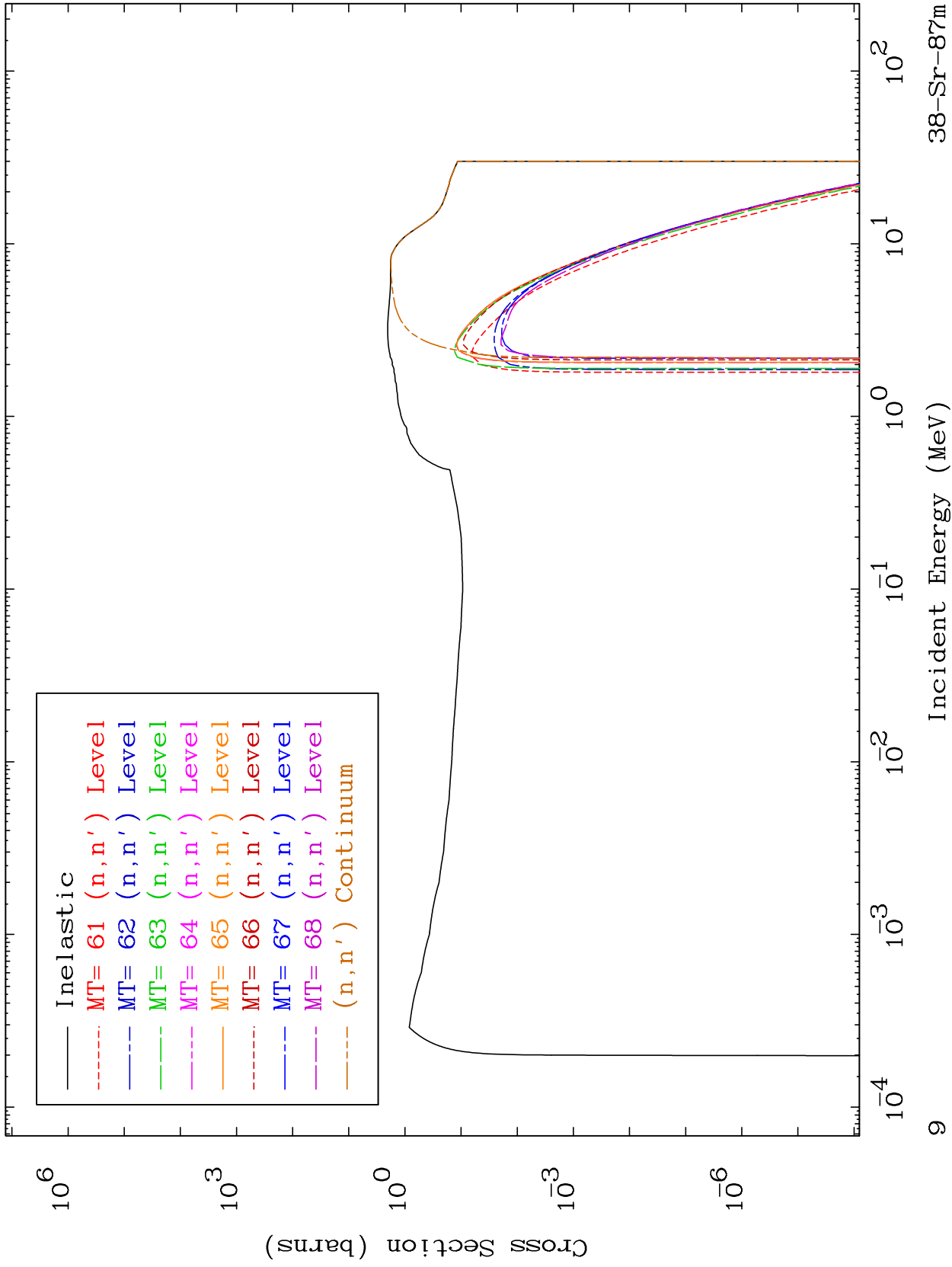
38-Sr-87m



MAT 3835

(n,n') Levels
293 Kelvin Cross Sections

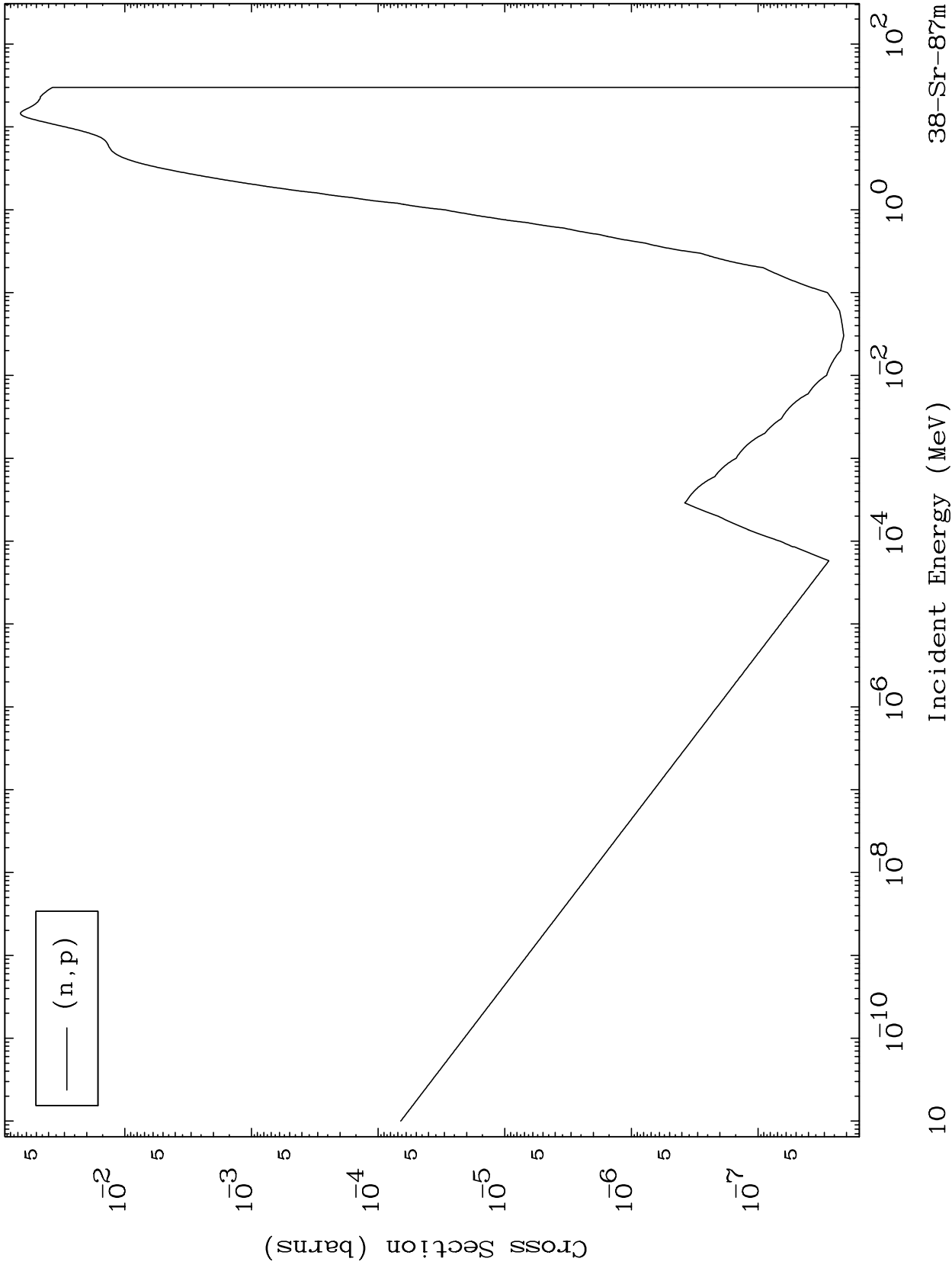
38-Sr-87m



MAT 3835

(n,p) Levels
293 Kelvin Cross Sections

38-Sr-87m



10

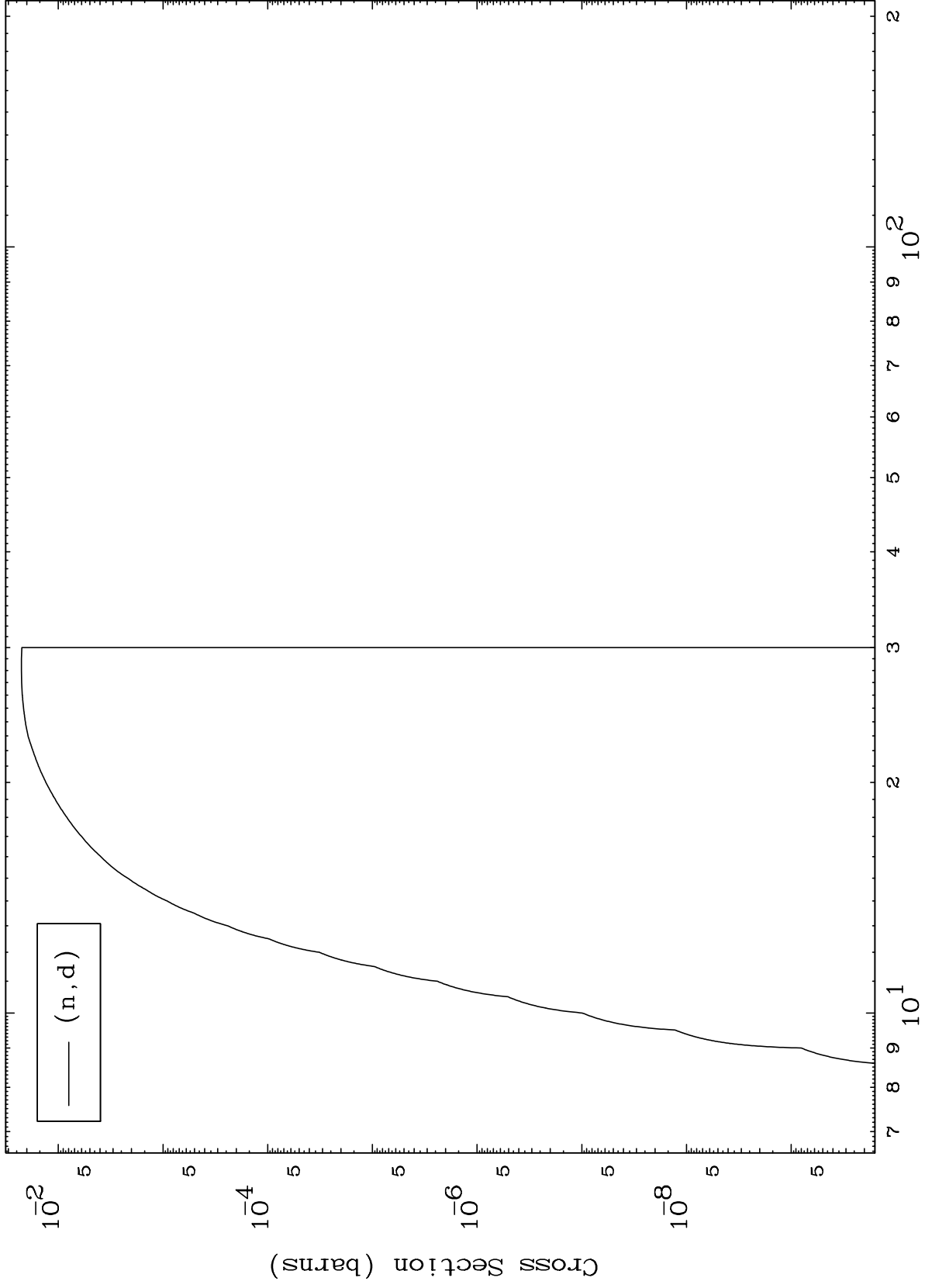
Incident Energy (MeV)

38-Sr-87m

MAT 3835

(n,d) Levels
293 Kelvin Cross Sections

38-Sr-87m



11

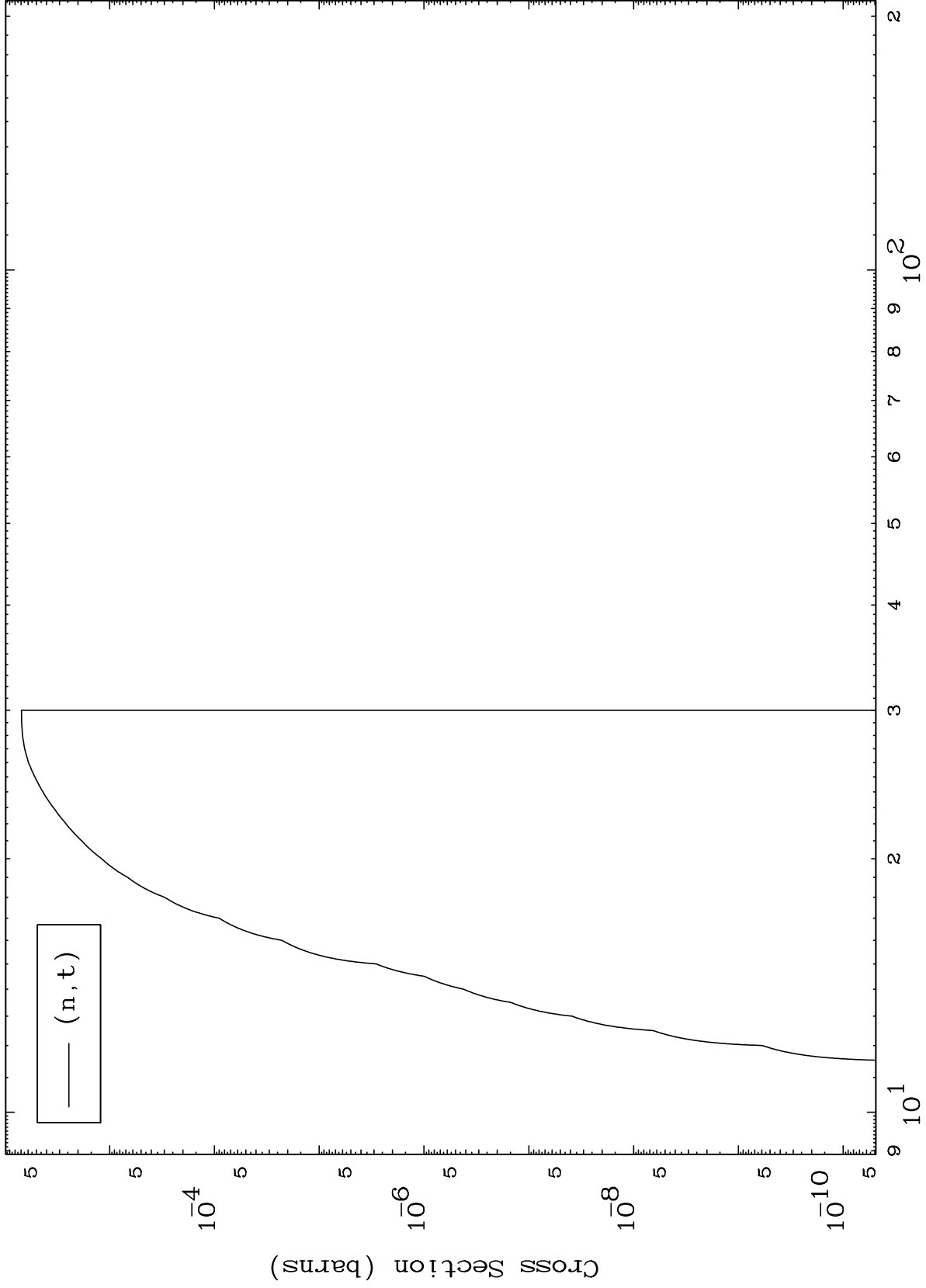
Incident Energy (MeV)

38-Sr-87m

MAT 3835

(n,t) Levels
293 Kelvin Cross Sections

38-Sr-87m



Incident Energy (MeV)

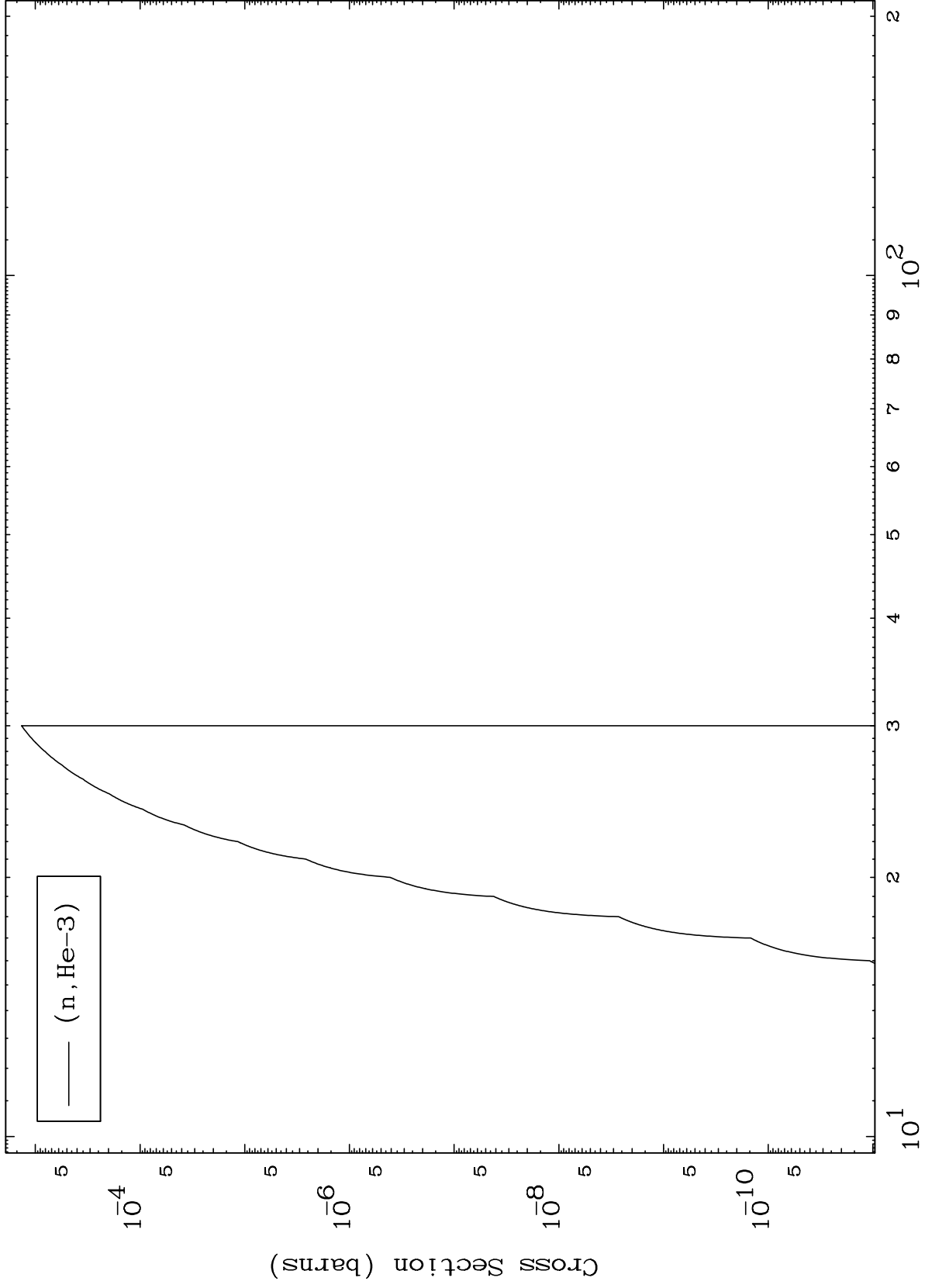
38-Sr-87m

12

MAT 3835

(n,He3) Levels
293 Kelvin Cross Sections

38-Sr-87m



13

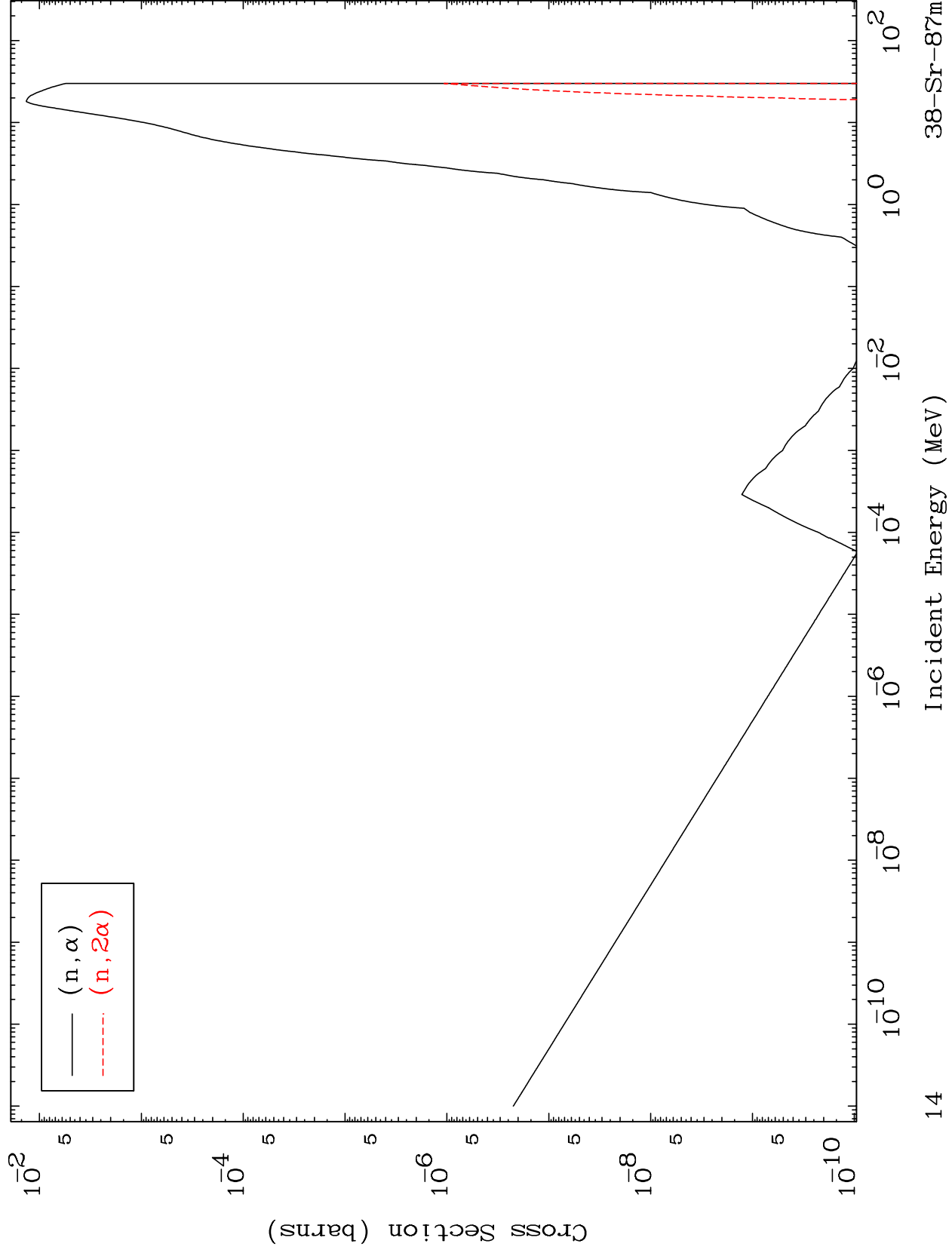
Incident Energy (MeV)

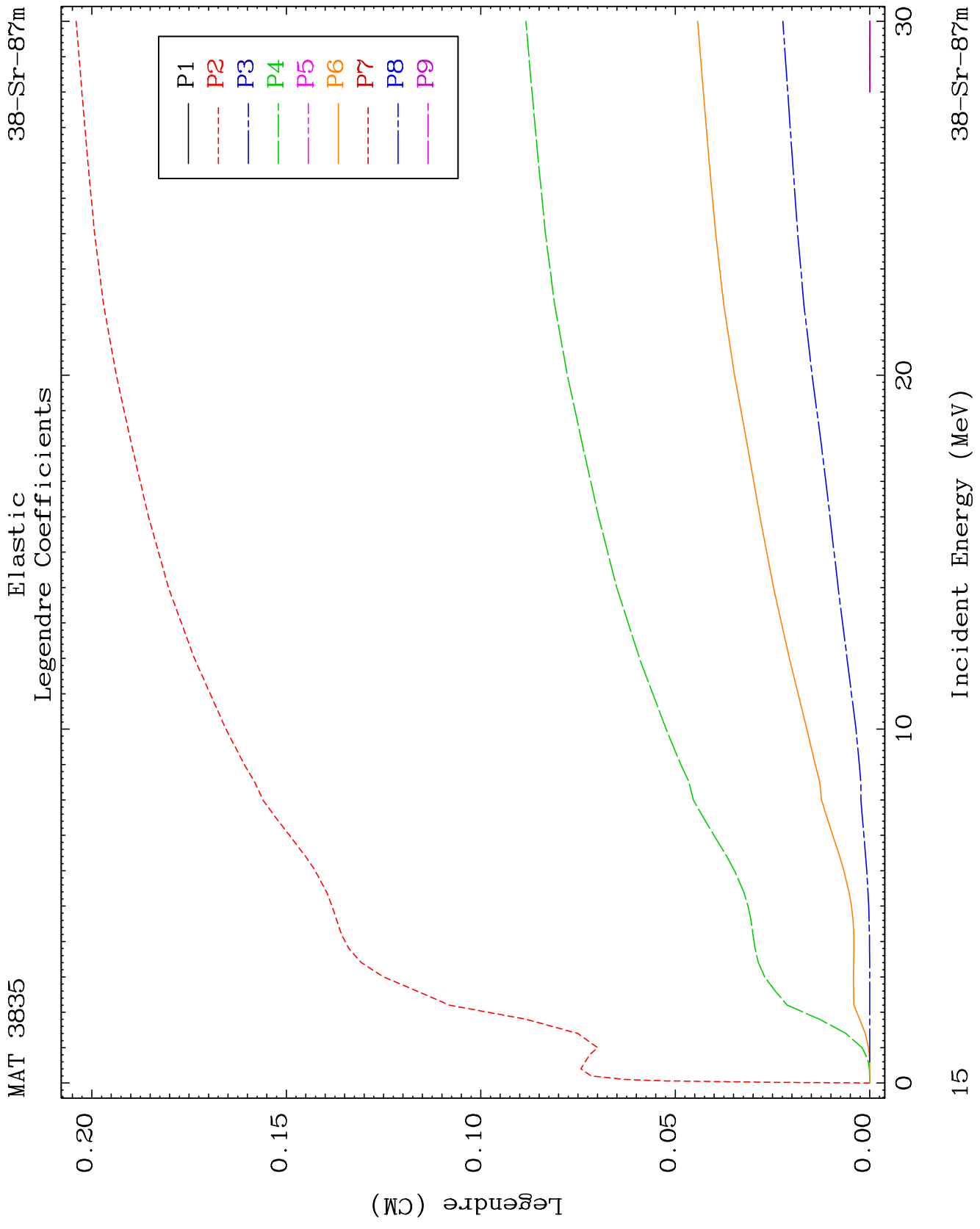
38-Sr-87m

MAT 3835

(n, α) Levels
293 Kelvin Cross Sections

38-Sr-87m

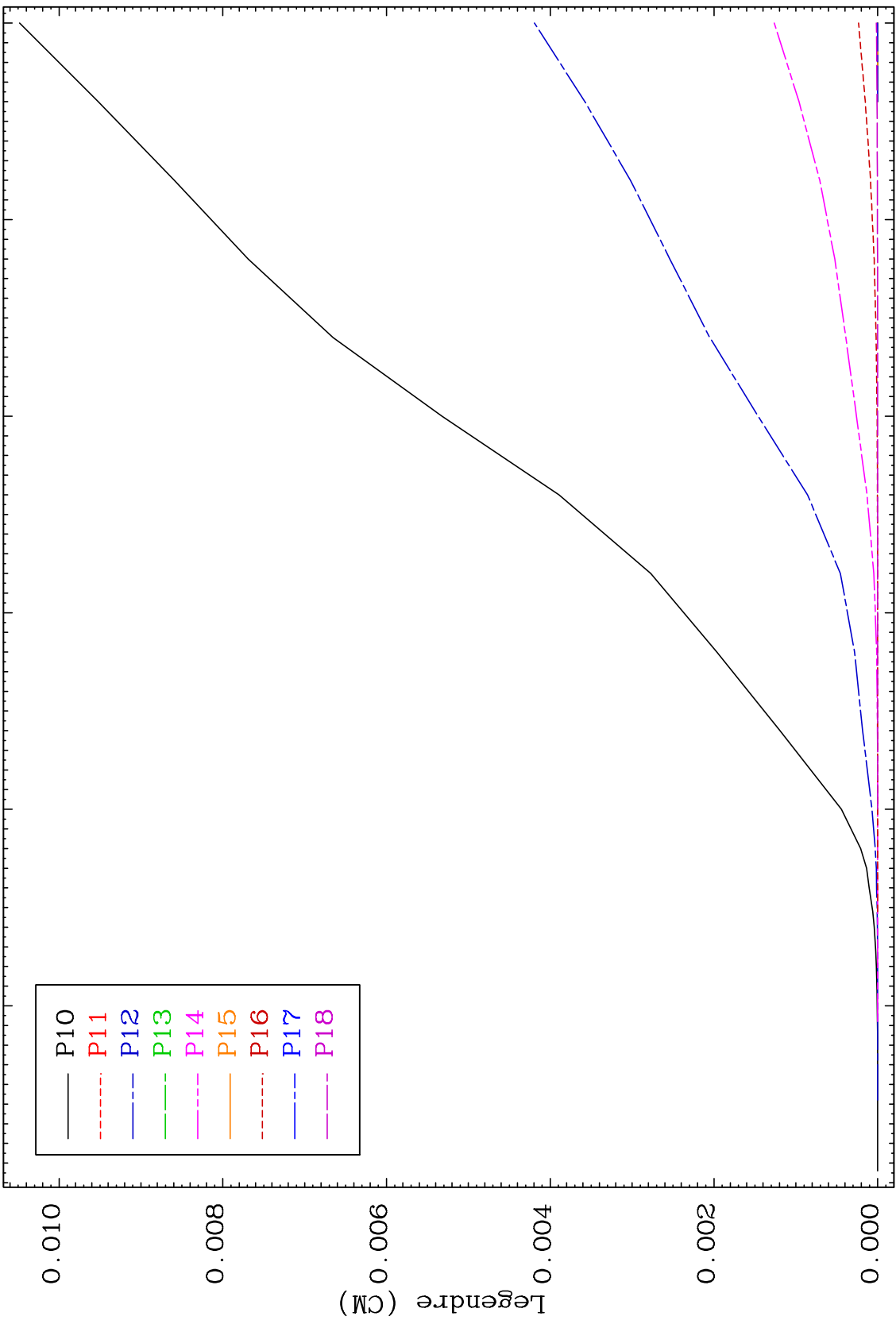




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Elastic Legendre Coefficients

38-Sr-87m



16

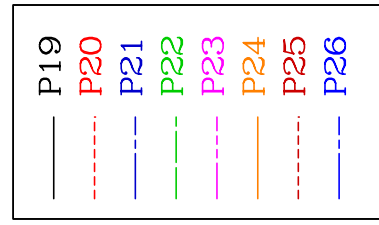
38-Sr-87m

Incident Energy (MeV)

MAT 3835

Elastic
Legendre Coefficients

38-Sr-87m



$\times 10^{-7}$

Legendre (CM)



17

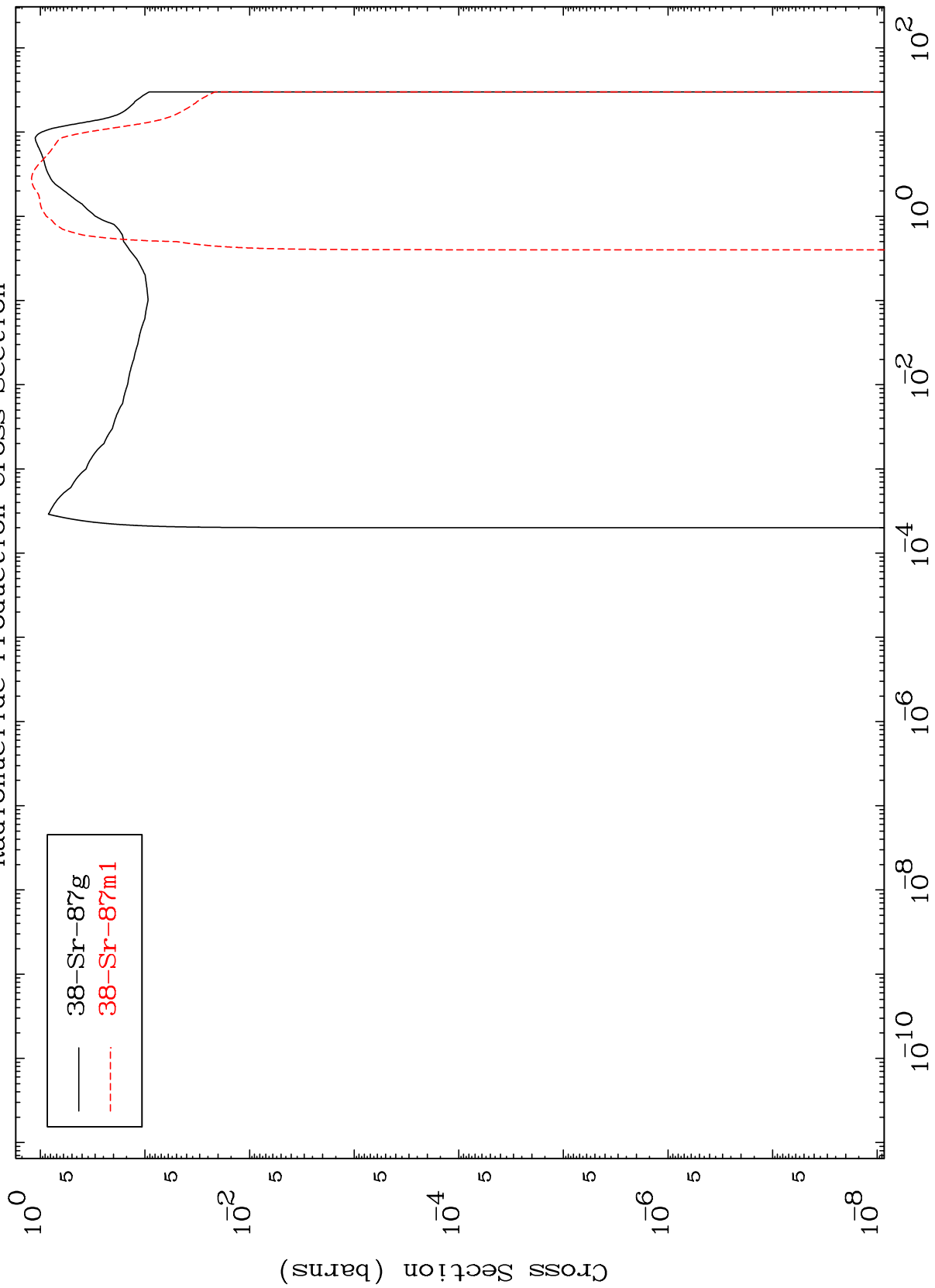
Incident Energy (MeV)

38-Sr-87m

MAT 3835

Inelastic
Radionuclide Production Cross Section

³⁸Sr-87m



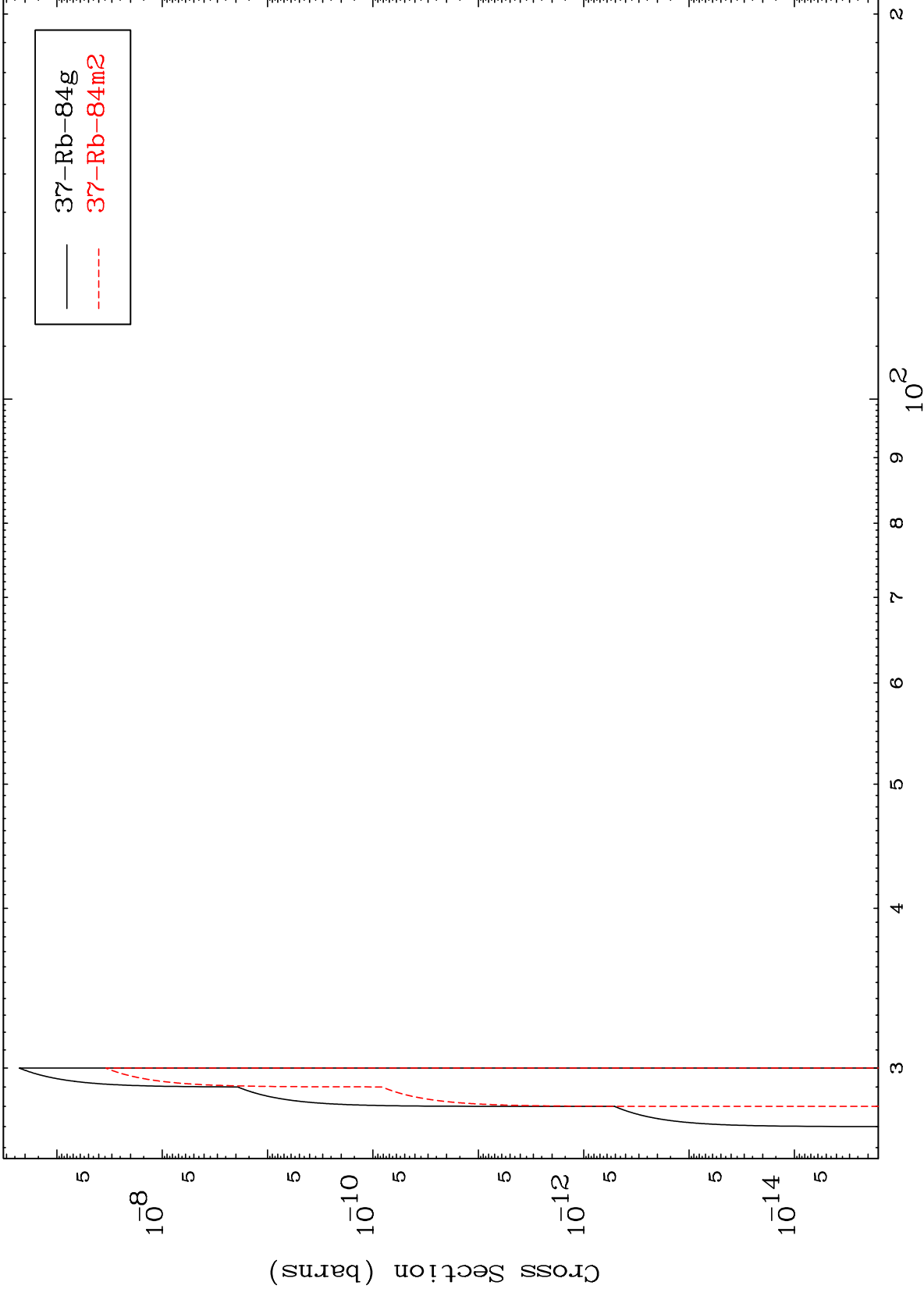
— 38-Sr-87g
- - - 38-Sr-87m1

MAT 3835

(n,2n) d

38-Sr-87m

Radionuclide Production Cross Section



37-Rb-84g
37-Rb-84m2

19

Incident Energy (MeV)

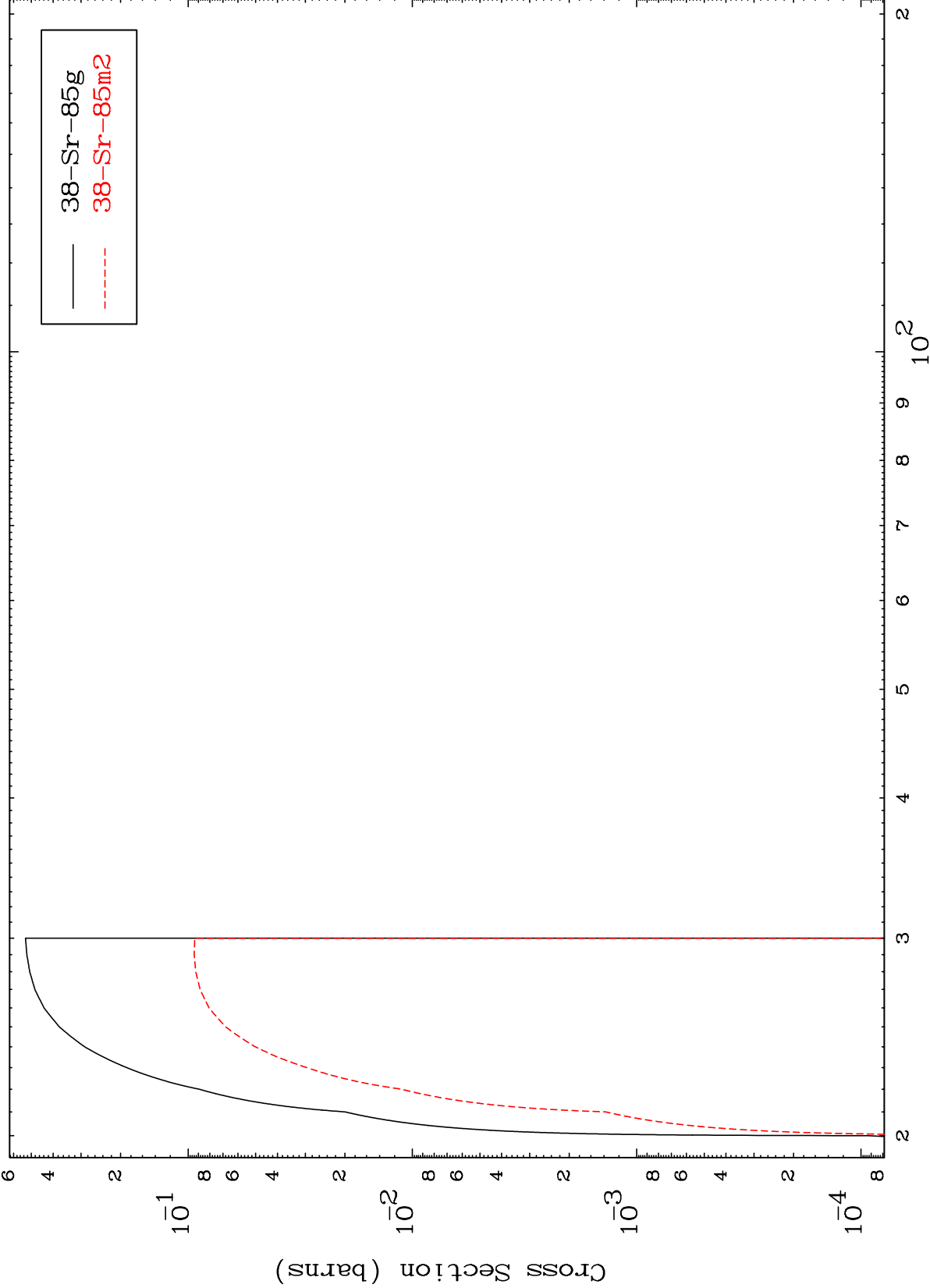
38-Sr-87m

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(n,3n)

38-Sr-87m

Radionuclide Production Cross Section



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

20

Incident Energy (MeV)

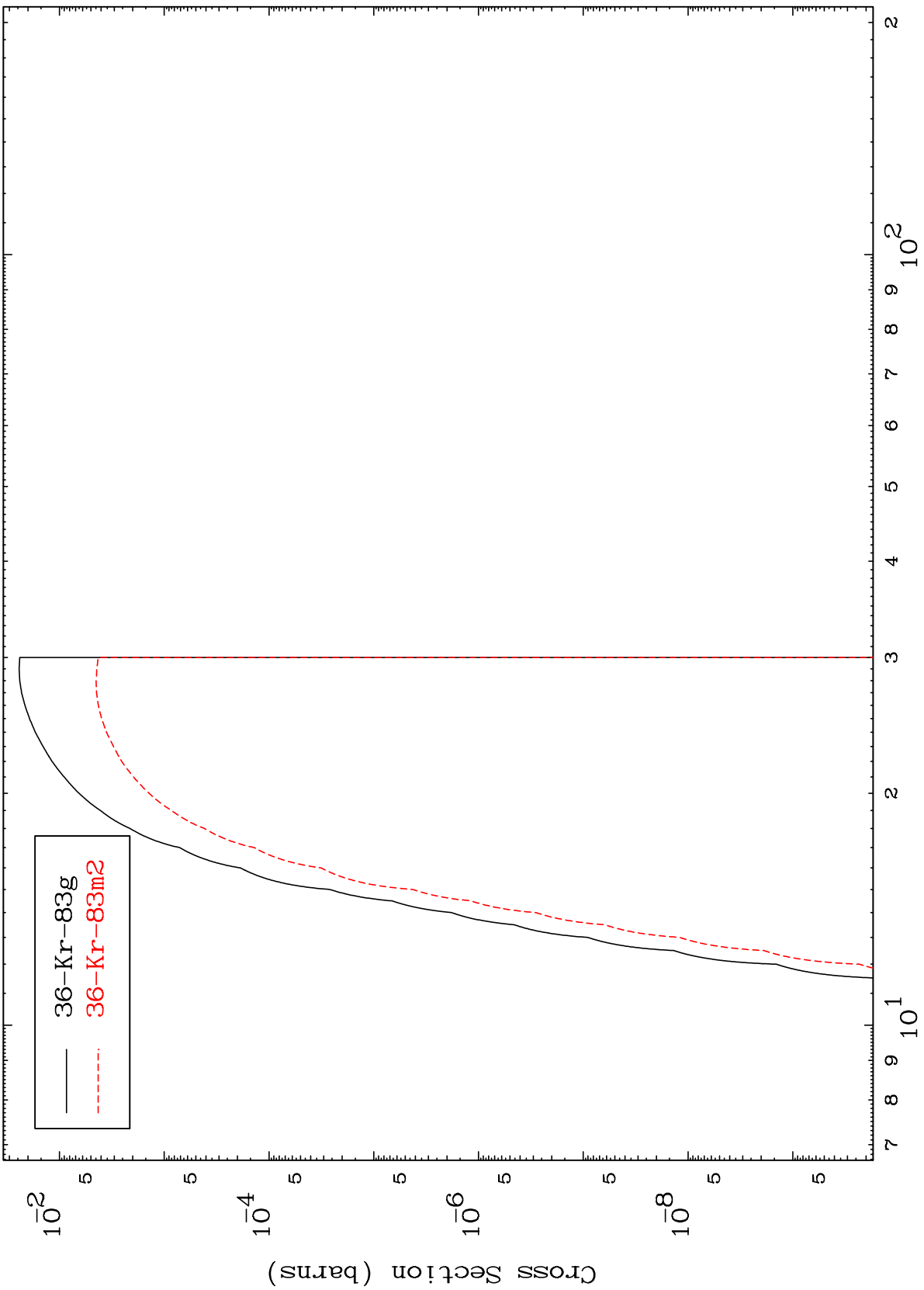
38-Sr-87m

MAT 3835

$(n, n') \alpha$

$^{38}\text{Sr}-87\text{m}$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

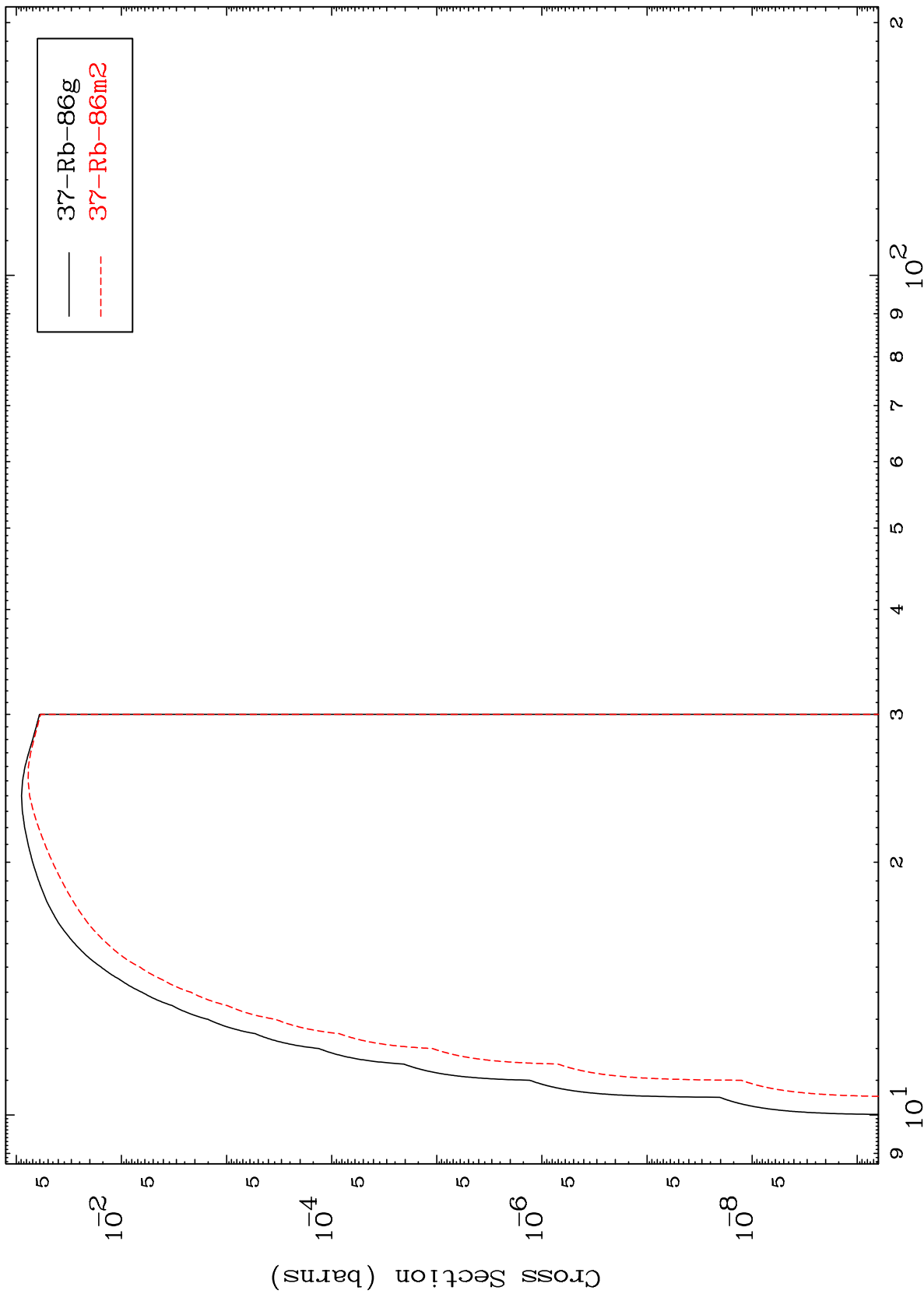
$^{38}\text{Sr}-87\text{m}$

MAT 3835

(n, n') p

^{38}Sr -87m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

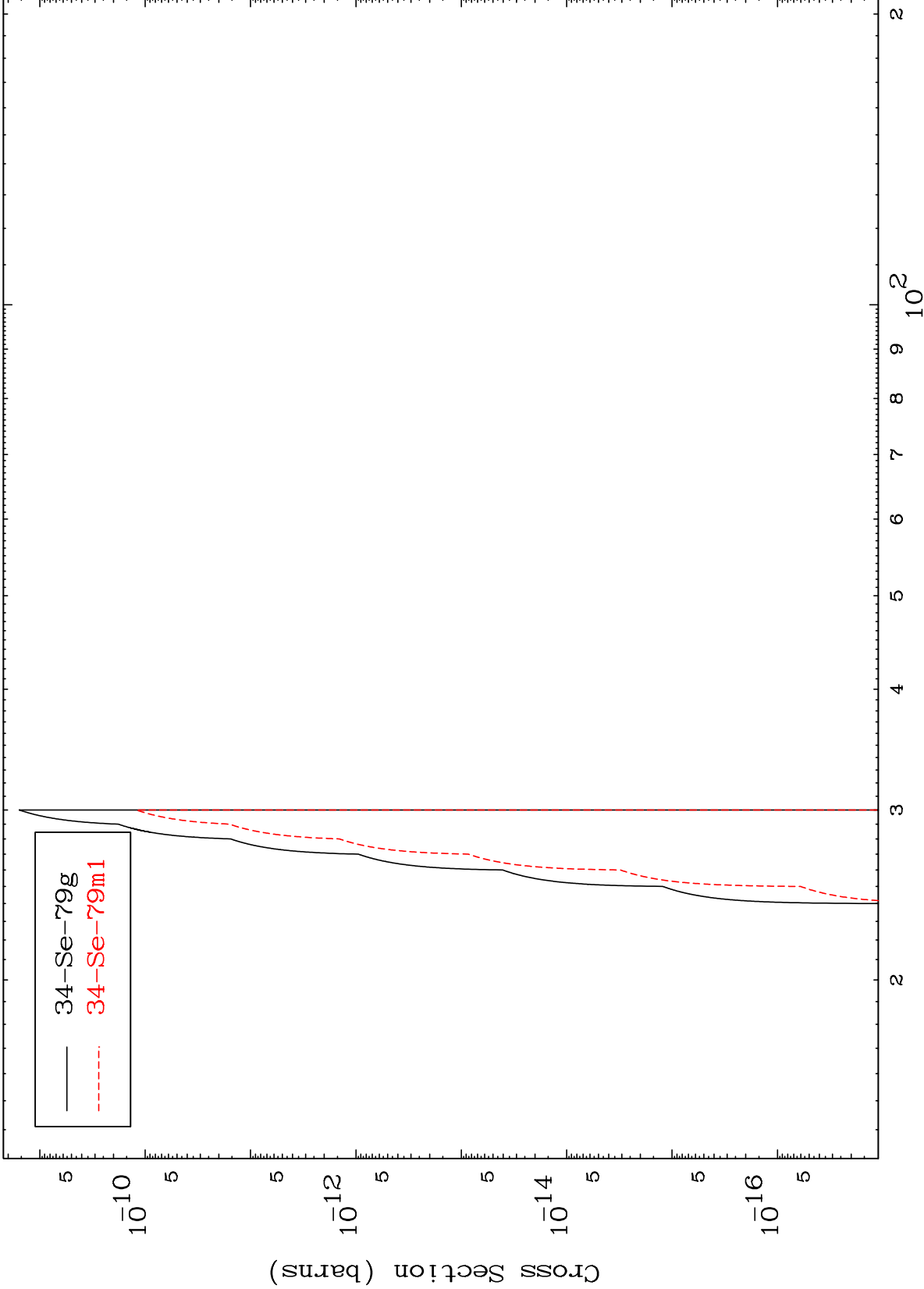
^{38}Sr -87m

MAT 3835

(n,n') 2α

38-Sr-87m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

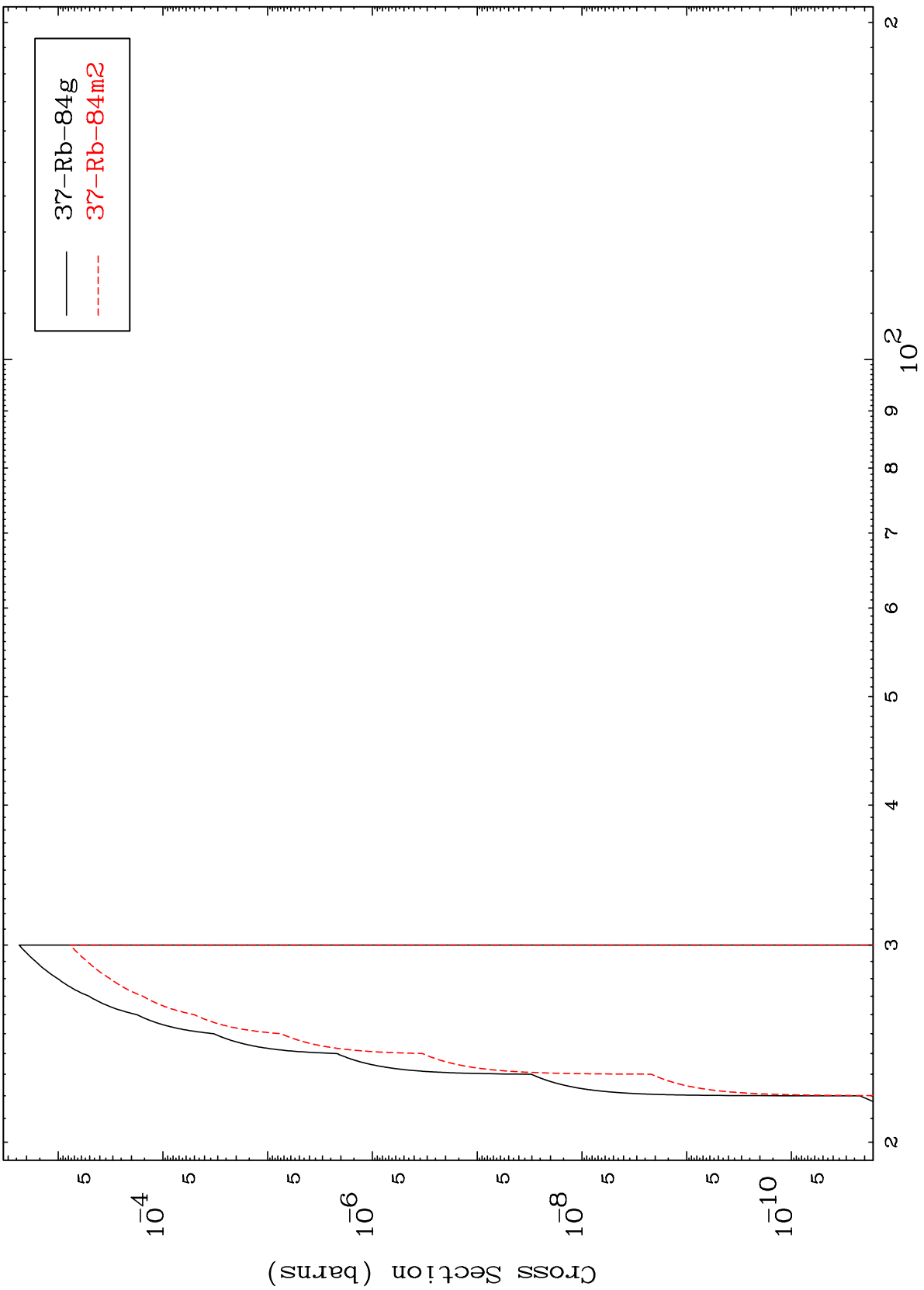
38-Sr-87m

MAT 3835

(n,n') t

38-Sr-87m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

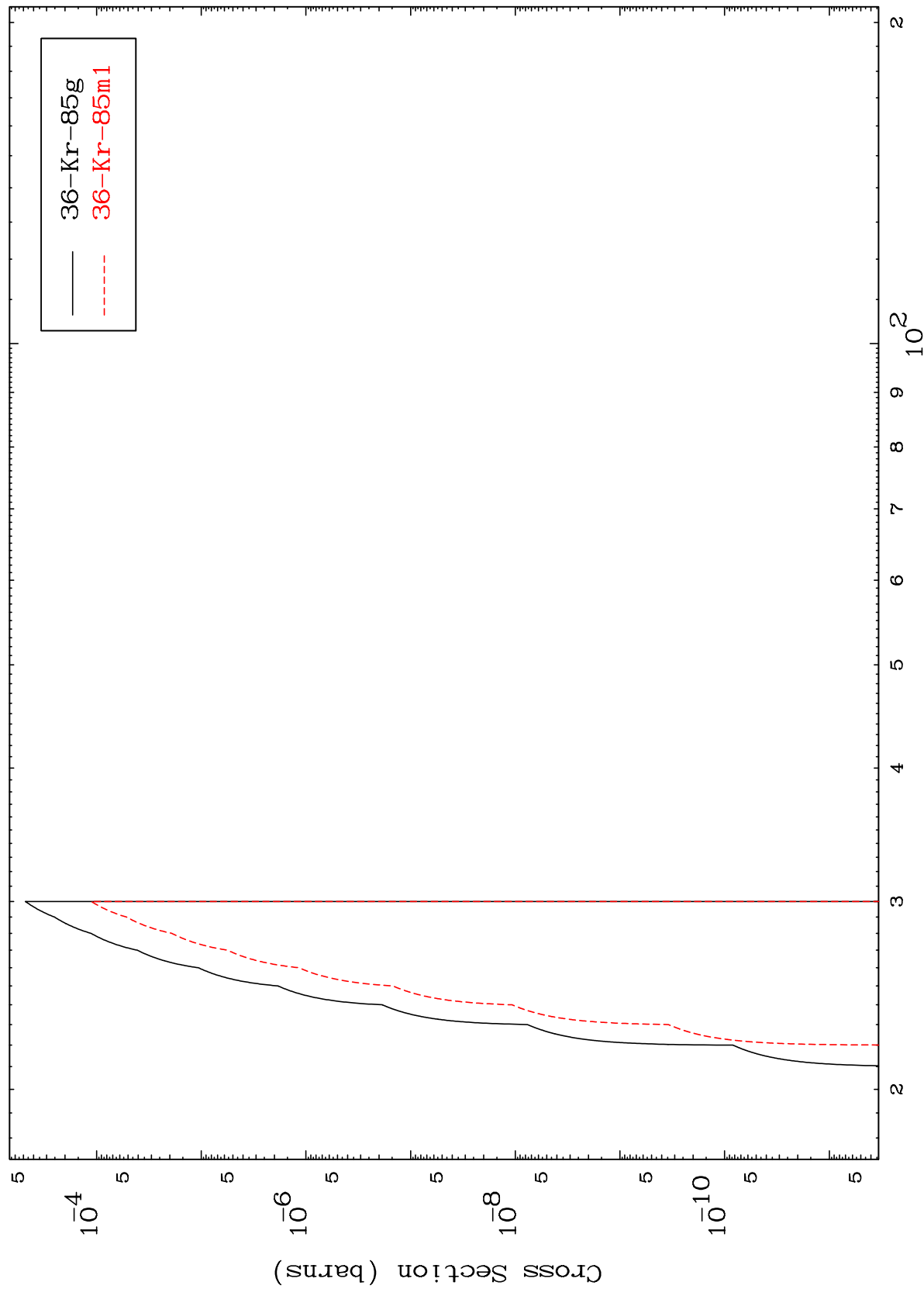
38-Sr-87m

MAT 3835

(n,2n) p

38-Sr-87m

Radionuclide Production Cross Section



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

25

Incident Energy (MeV)

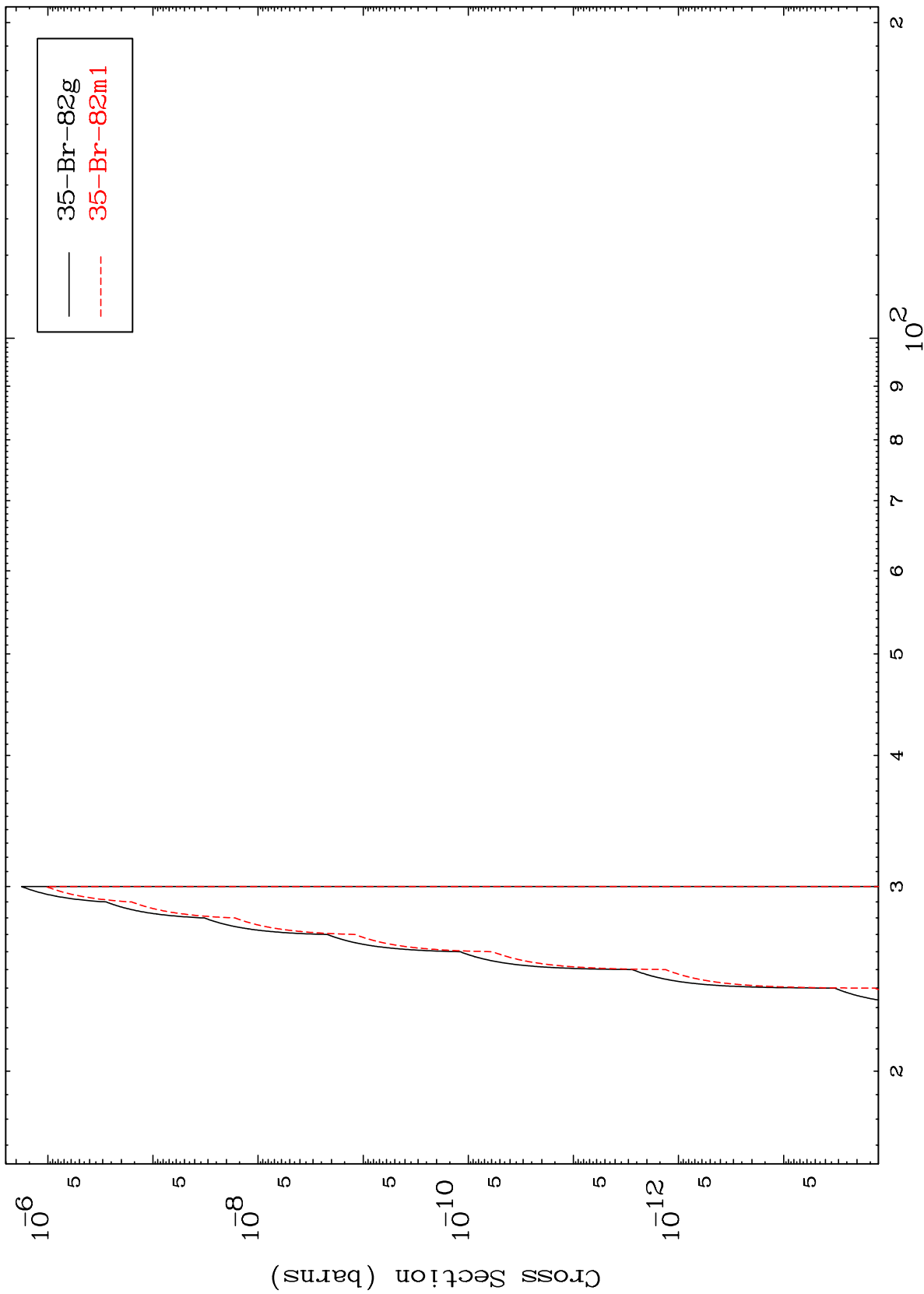
38-Sr-87m

MAT 3835

(n,n') p α

38-Sr-87m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

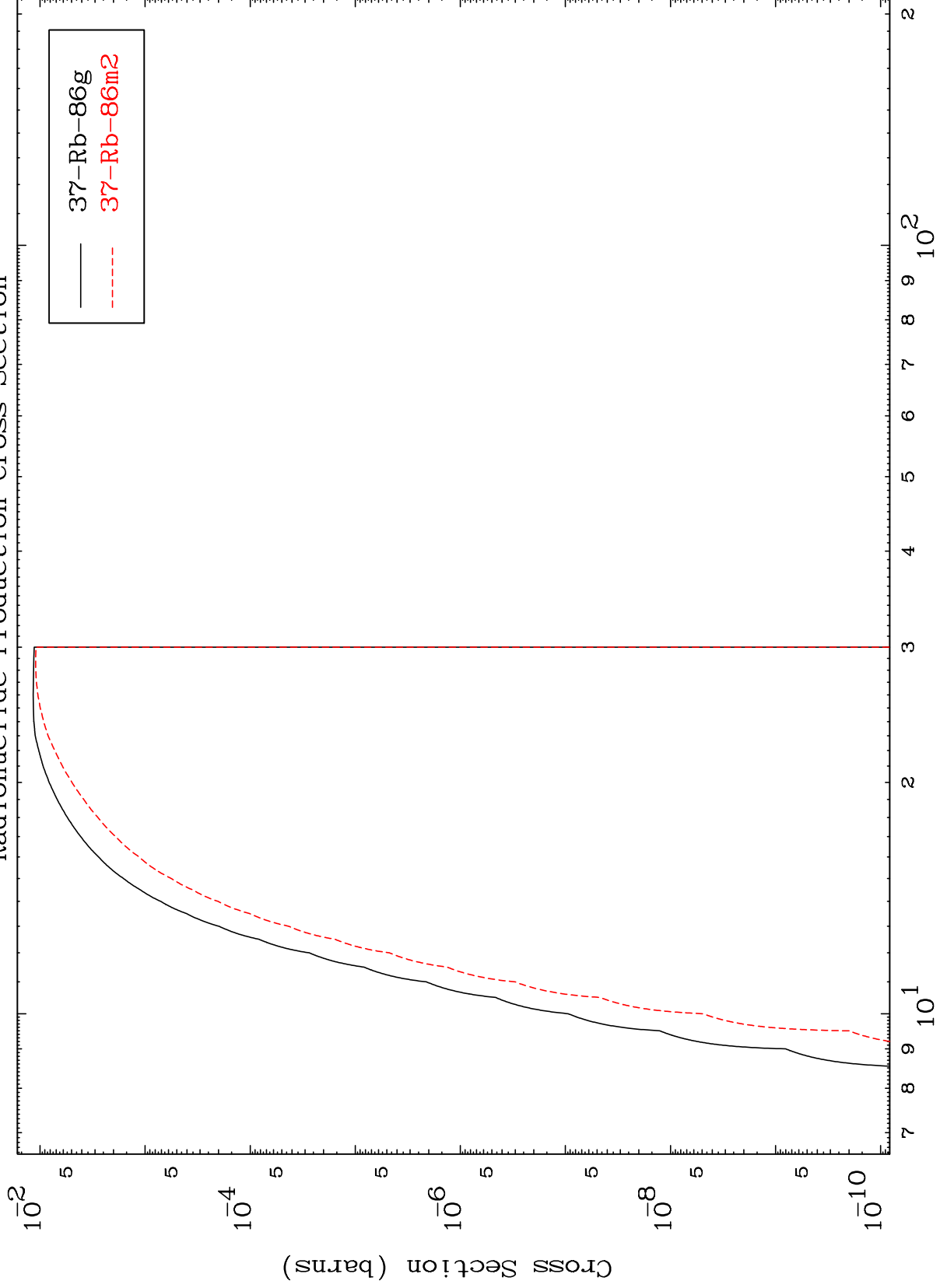
38-Sr-87m

MAT 3835

(n,d)

38-Sr-87m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

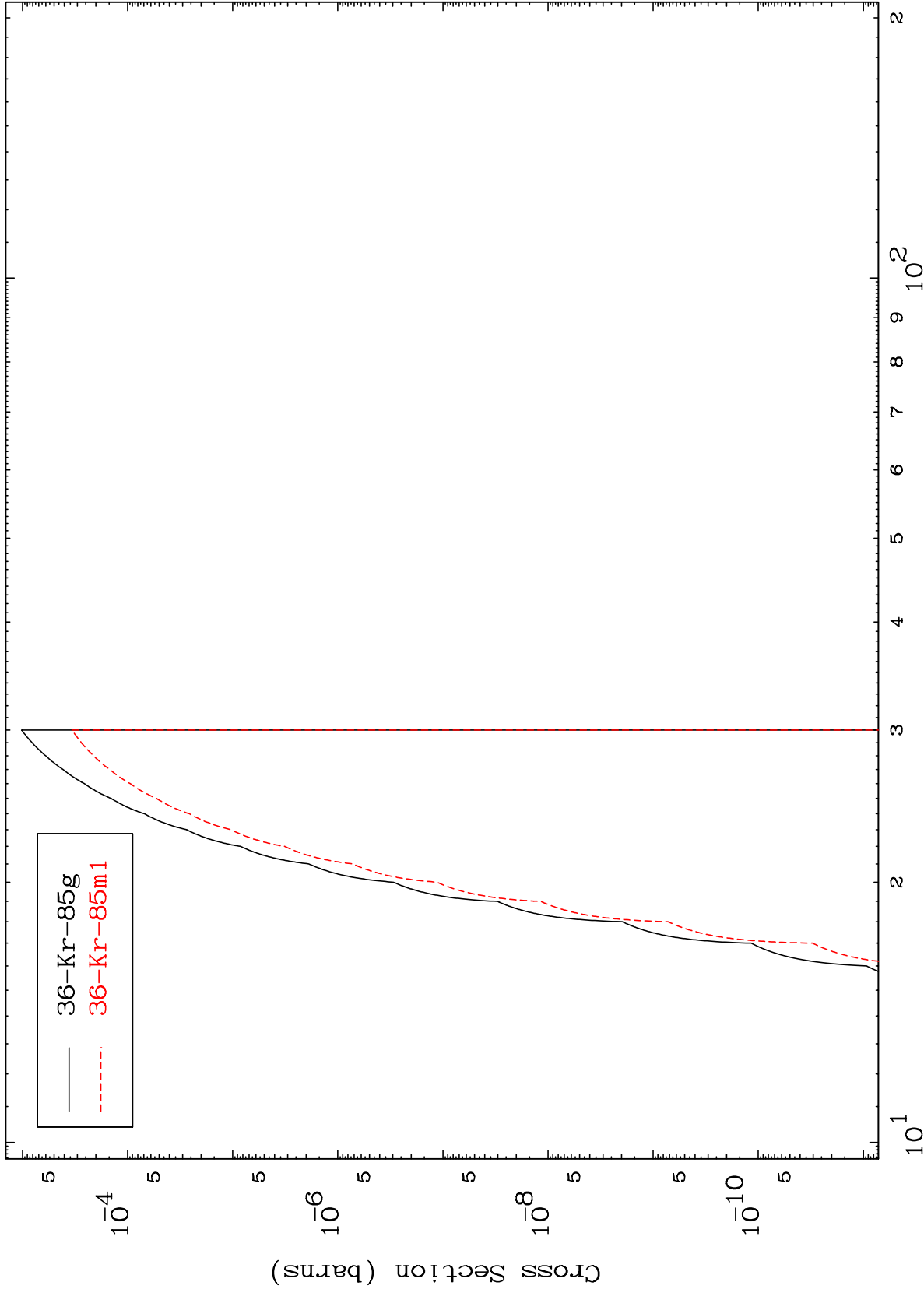
38-Sr-87m

MAT 3835

(n,He-3)

38-Sr-87m

Radionuclide Production Cross Section



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

Incident Energy (MeV)

38-Sr-87m

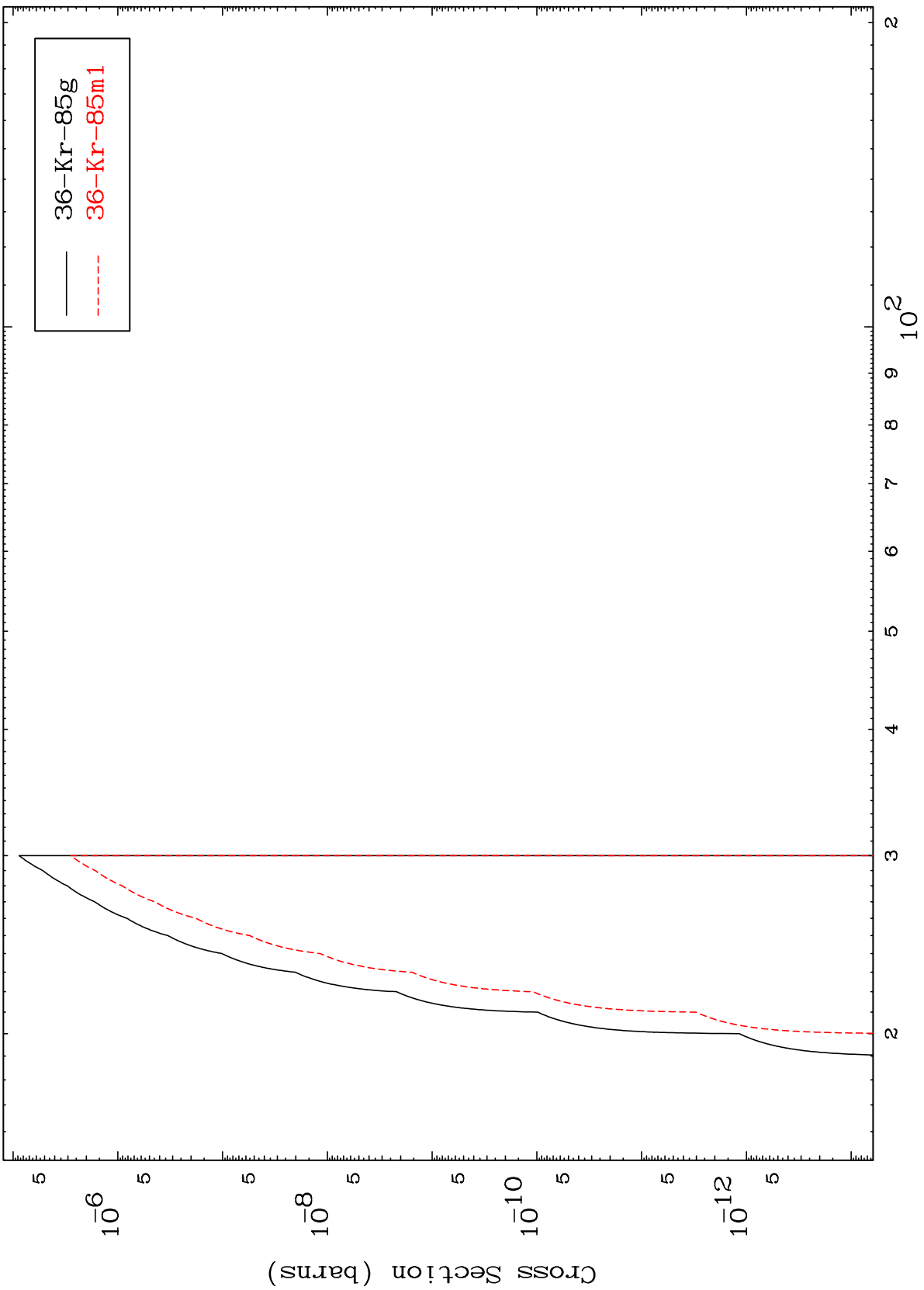
28

MAT 3835

(n,p) d

38-Sr-87m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

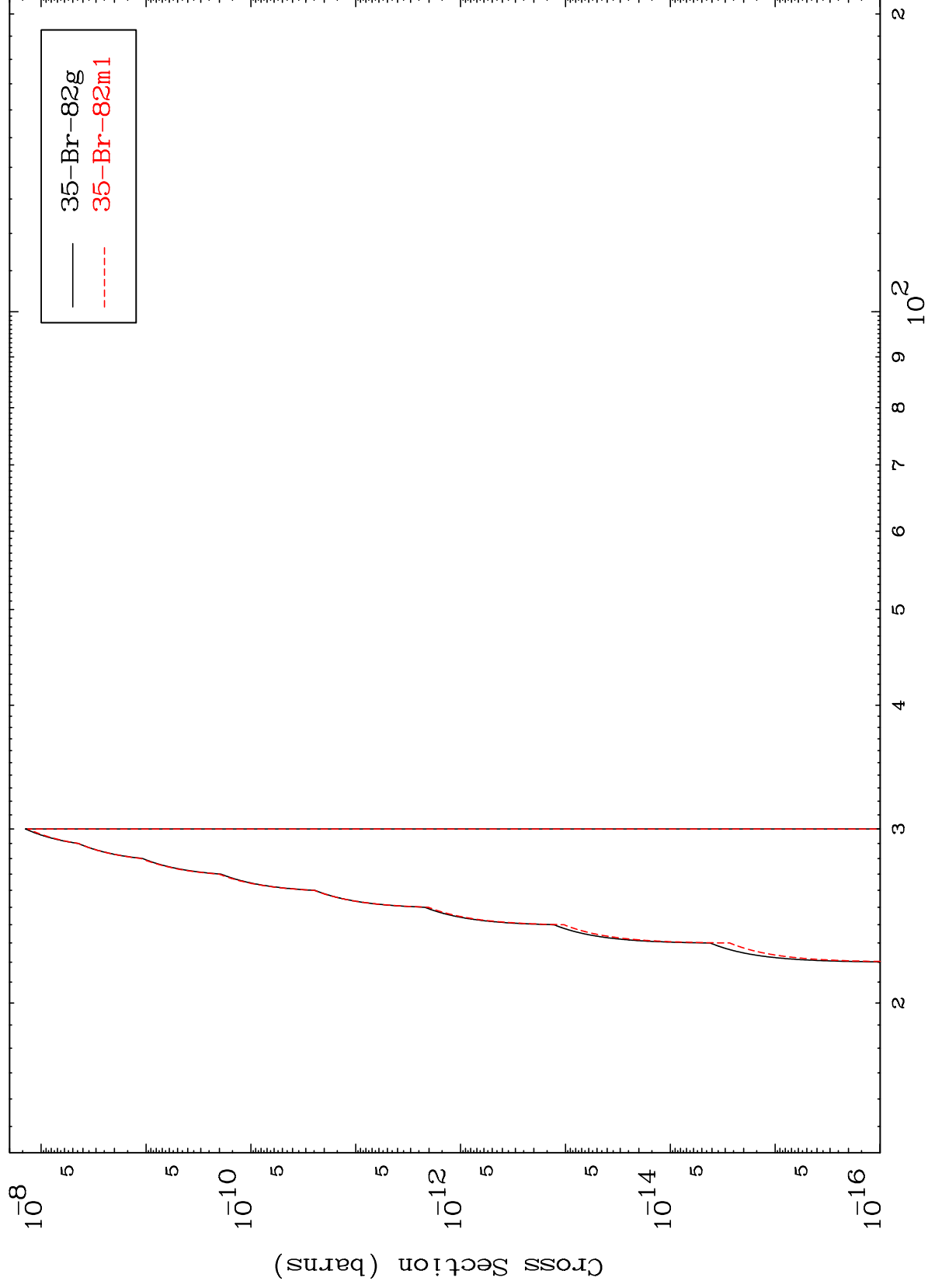
38-Sr-87m

MAT 3835

(n,d) α

38-Sr-87m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

38-Sr-87m