

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

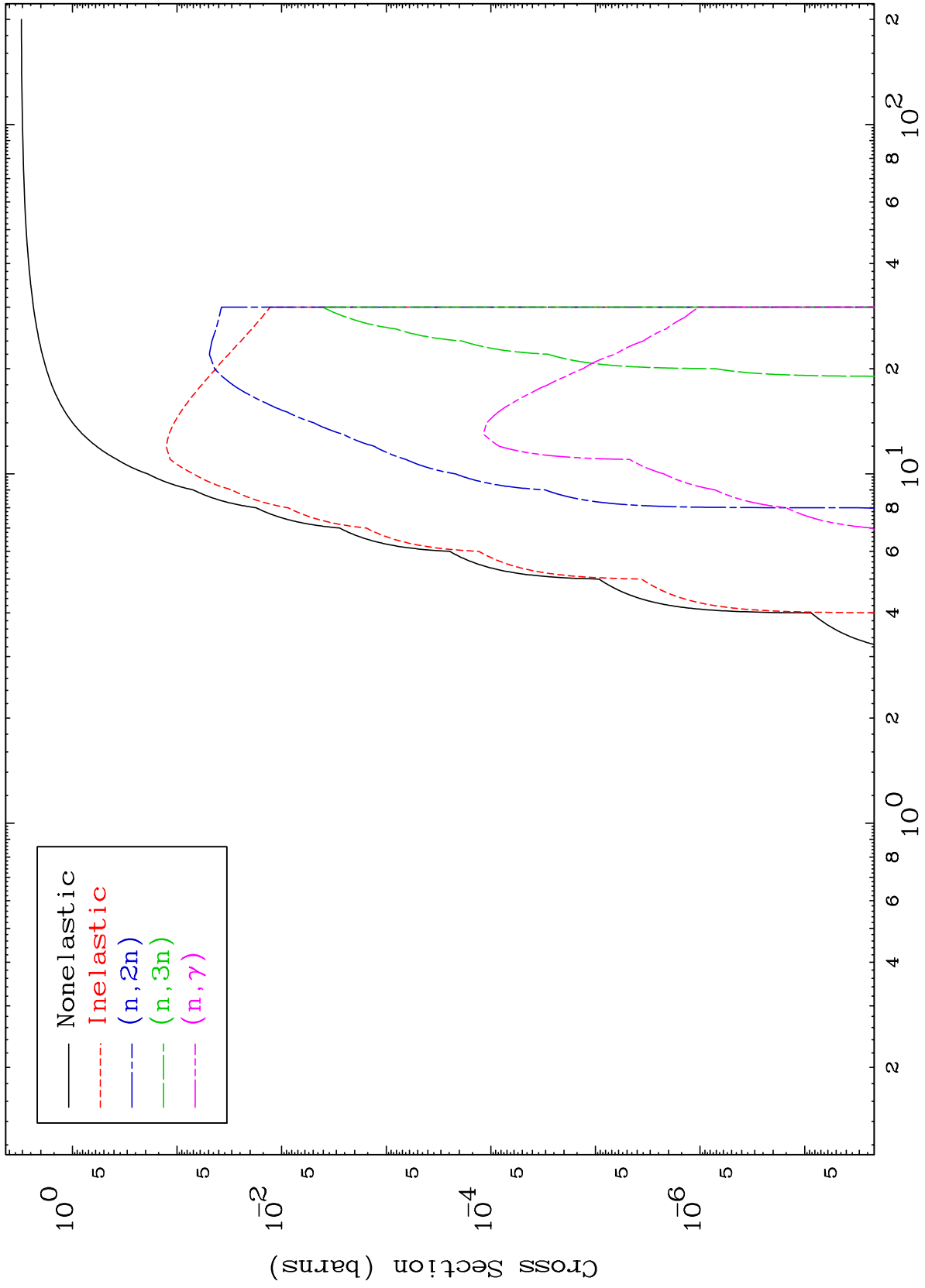
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8282

Deuteron Major
0 Kelvin Cross Sections

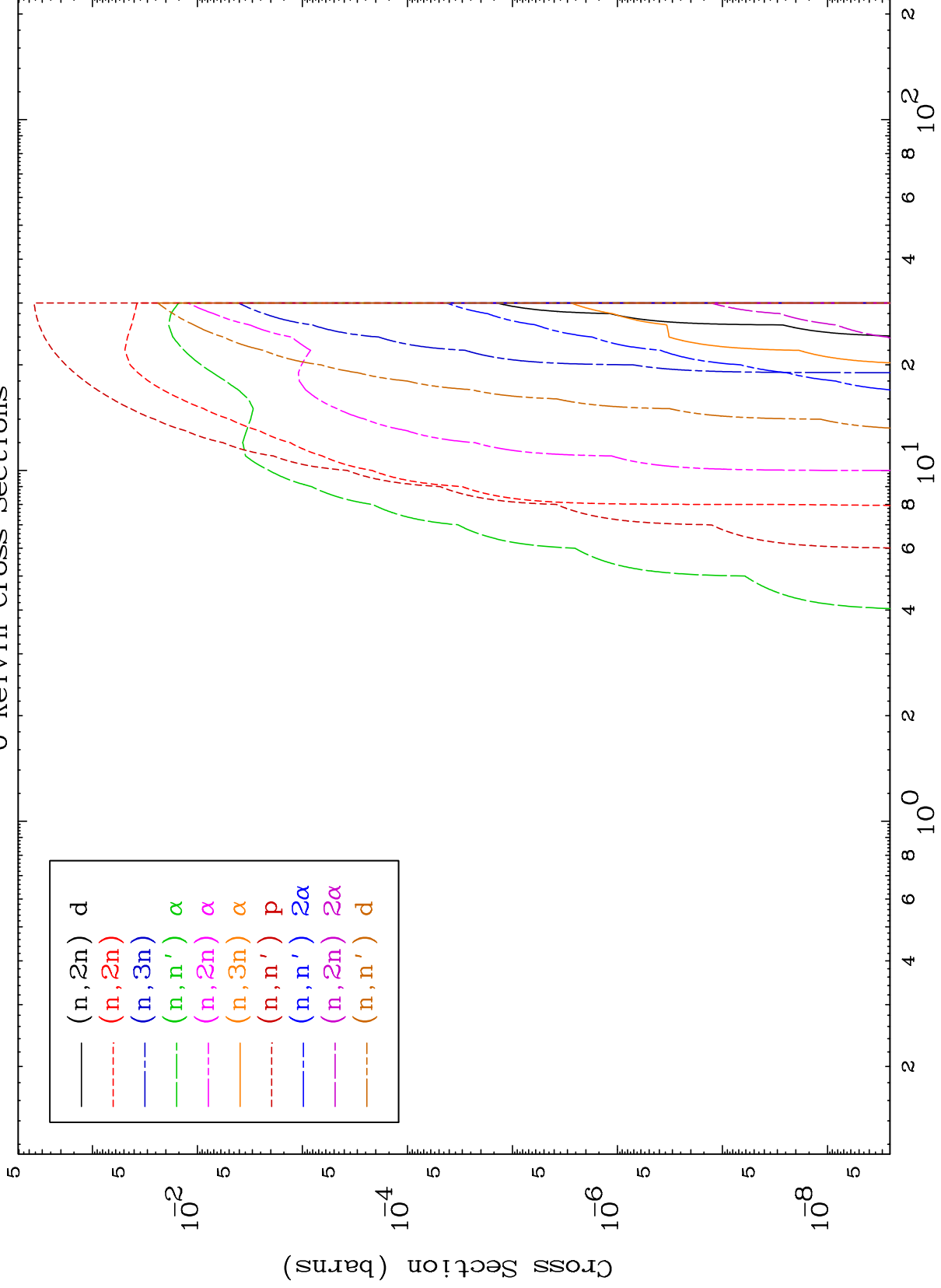
83-Bi-194n

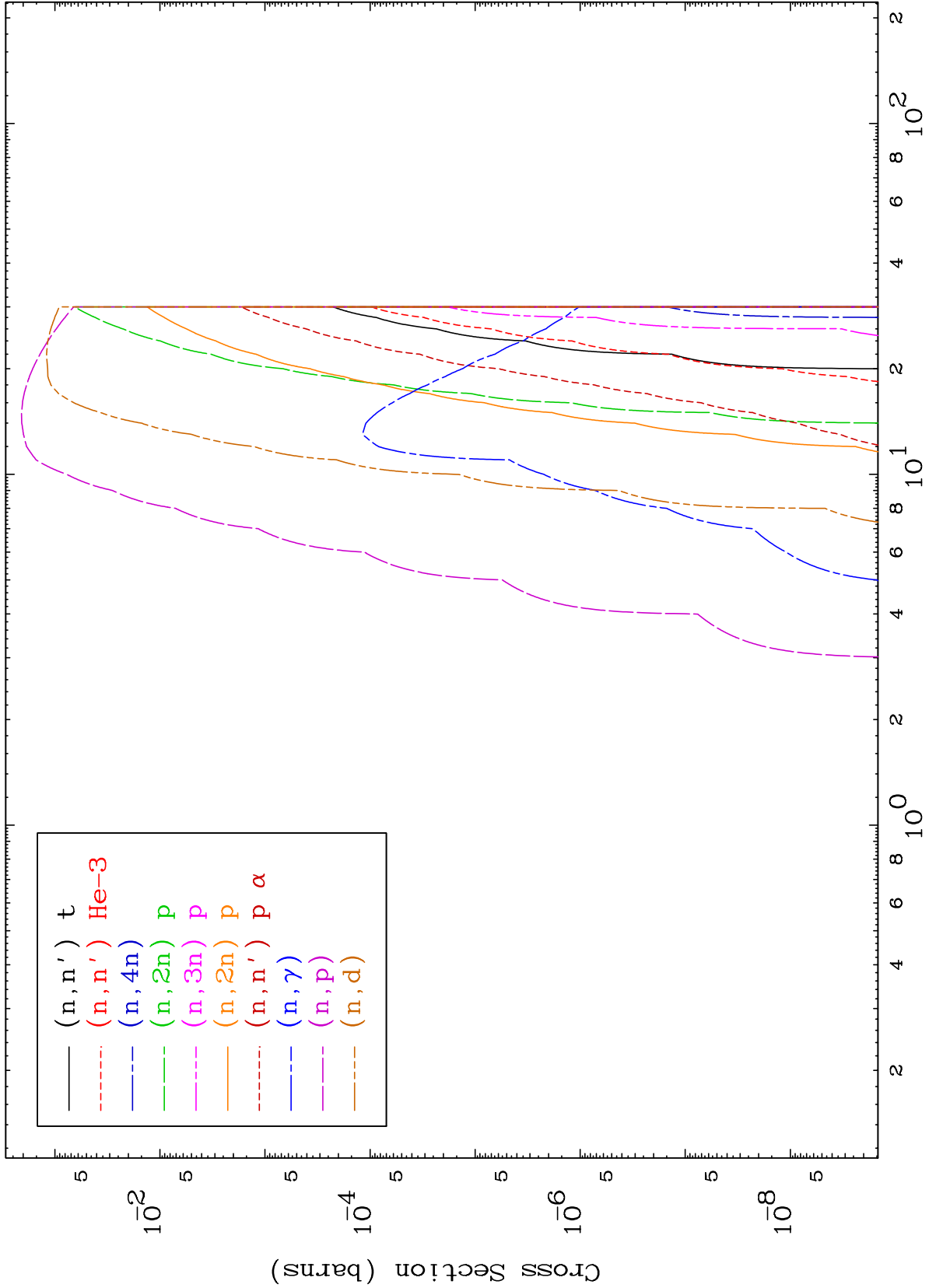


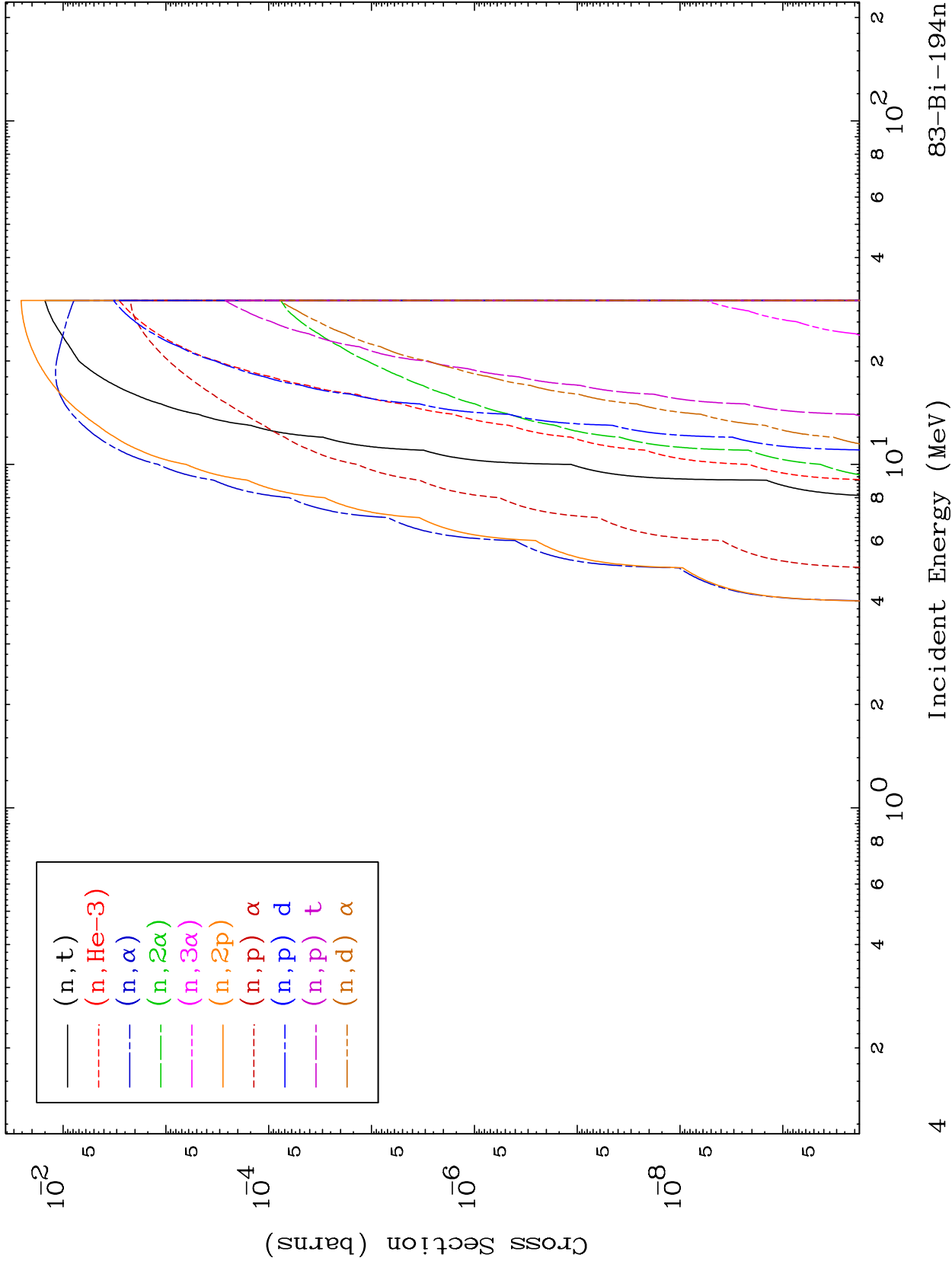
MAT 8282

Deuteron Neutron Absorption
0 Kelvin Cross Sections

83-Bi-194n



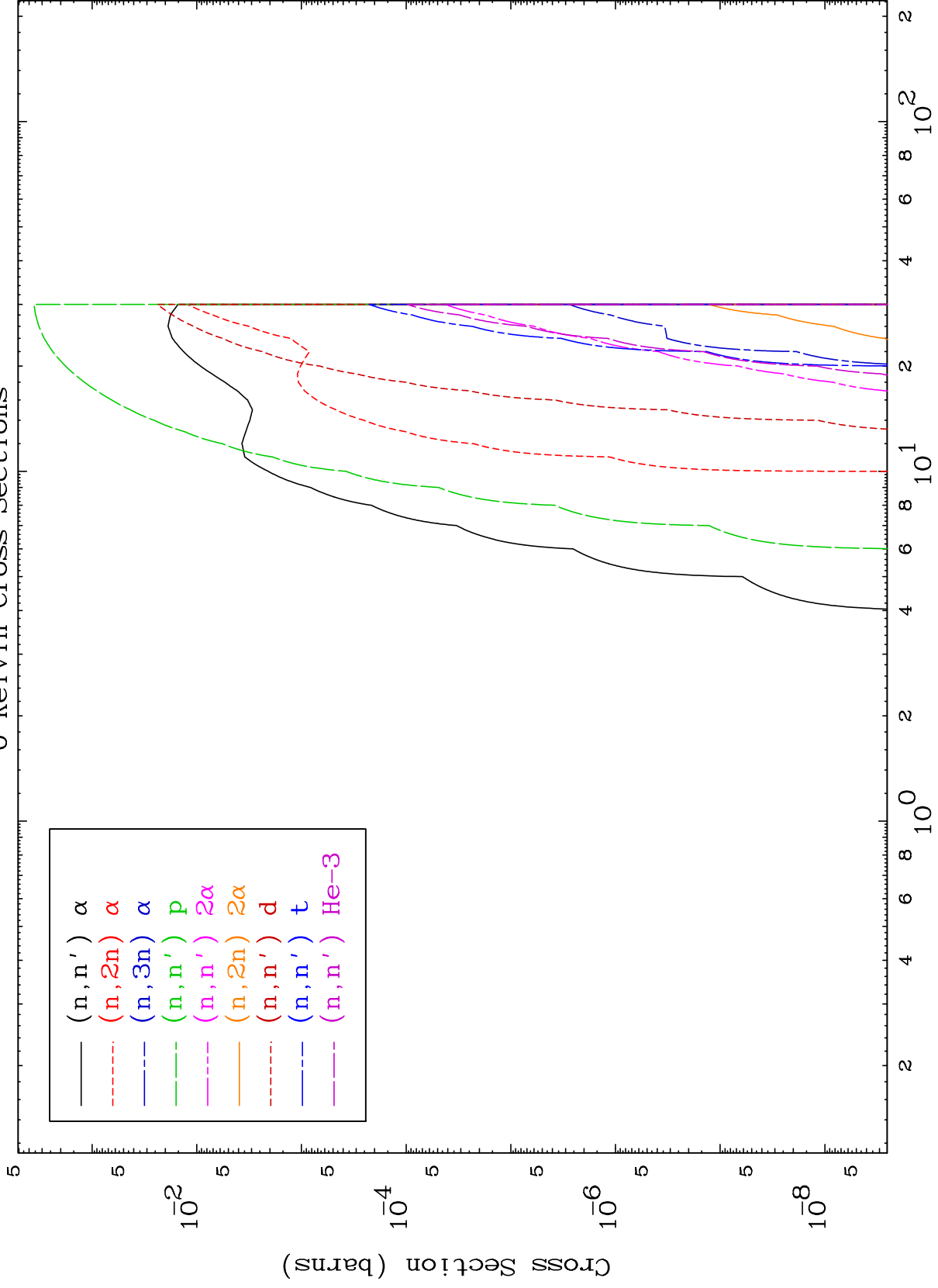


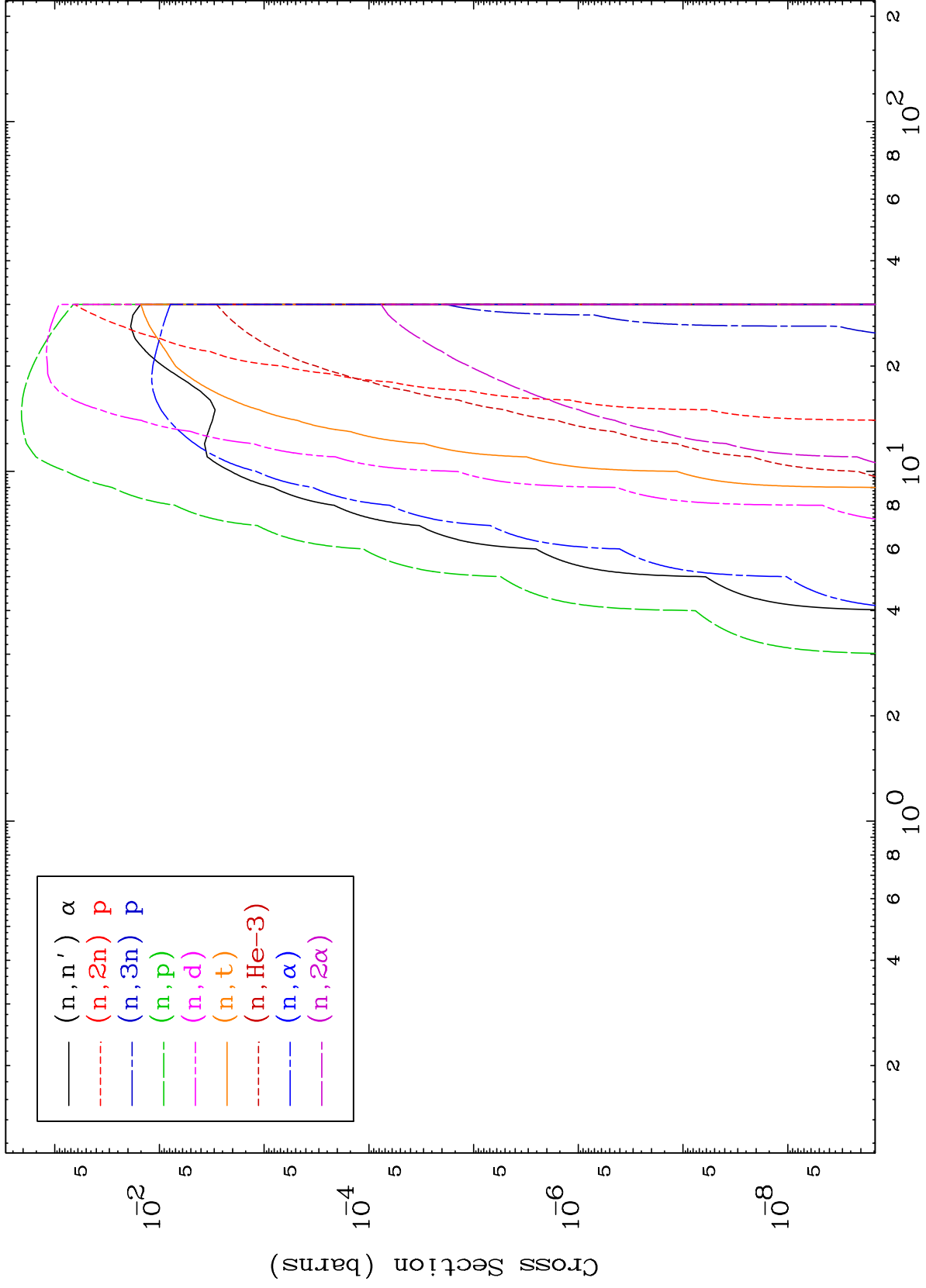


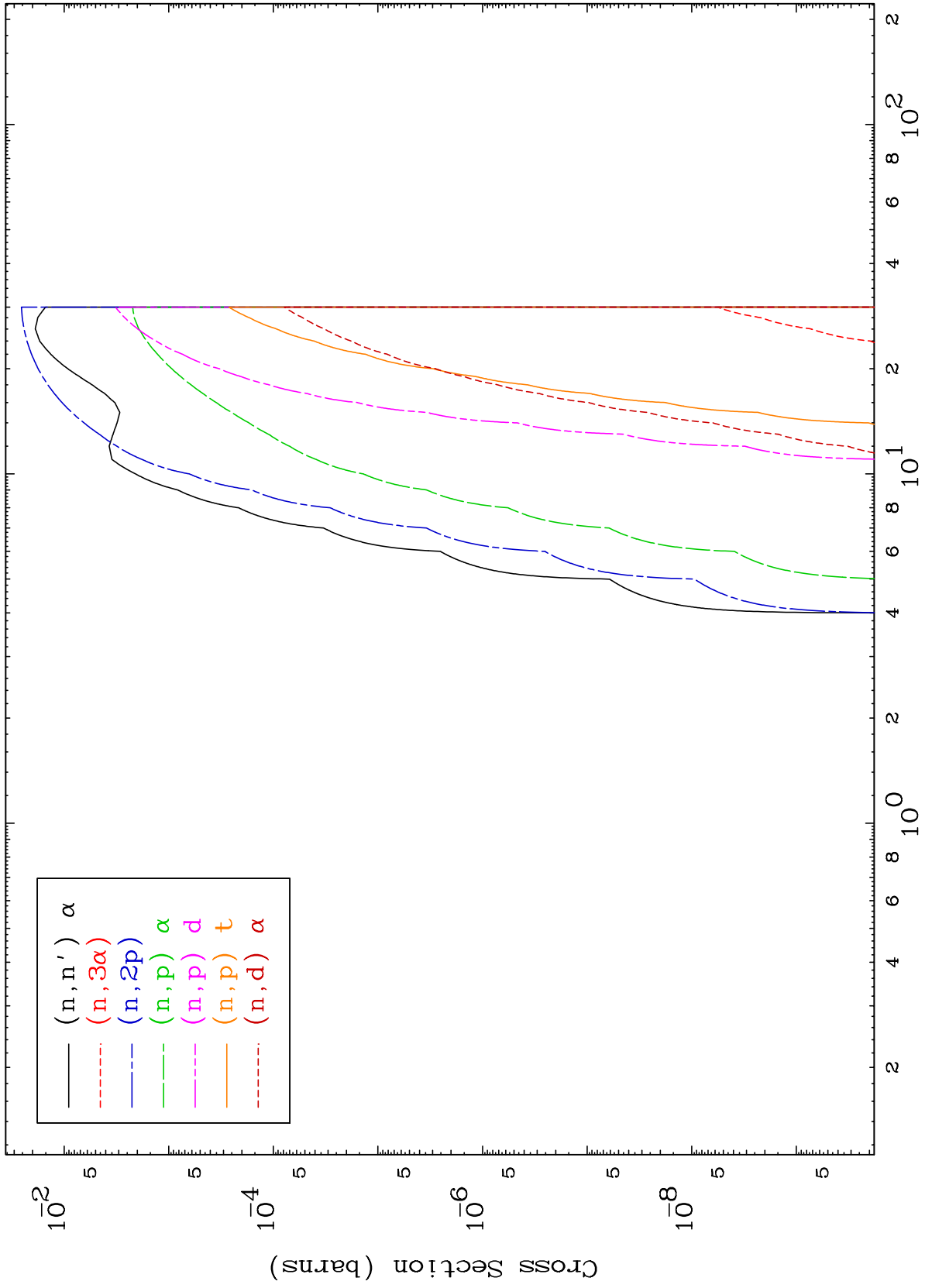
MAT 8282

Deuteron Charged Particle
0 Kelvin Cross Sections

83-Bi-194n





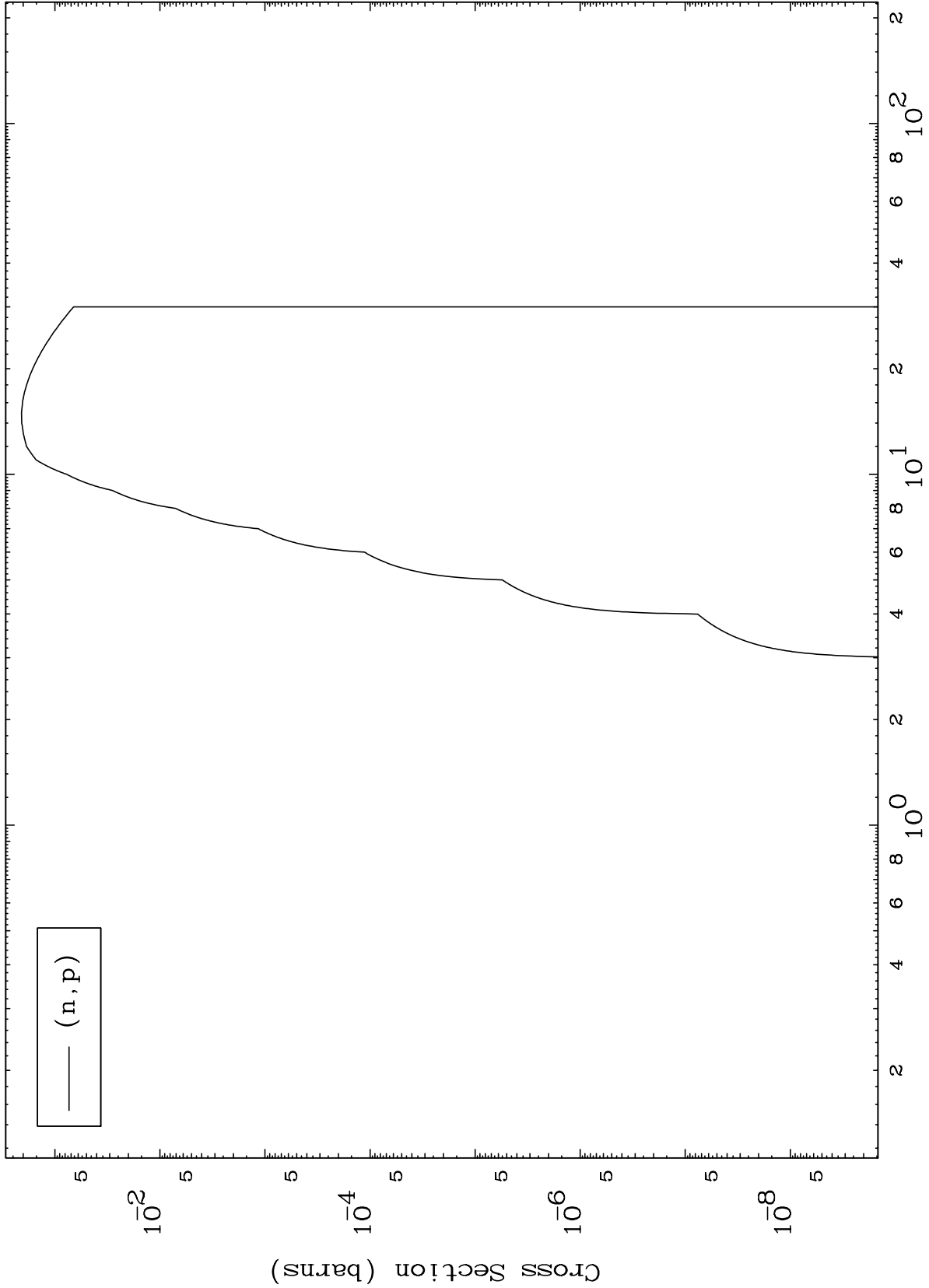


MAT 8282

(d,p) Levels

$^{83}\text{Bi}-194\text{n}$

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

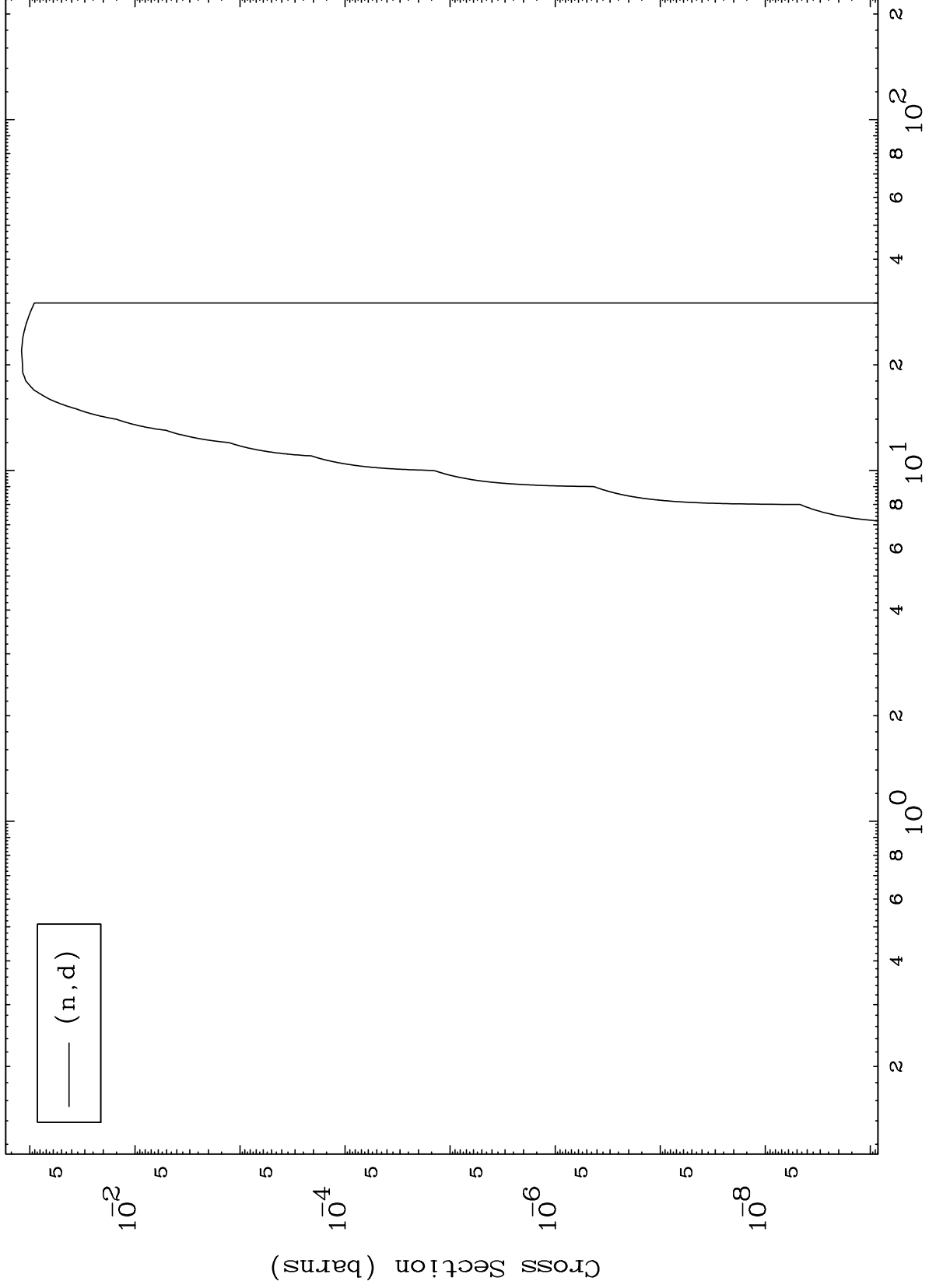
$^{83}\text{Bi}-194\text{n}$

MAT 8282

(d,d) Levels

⁸³Bi-194n

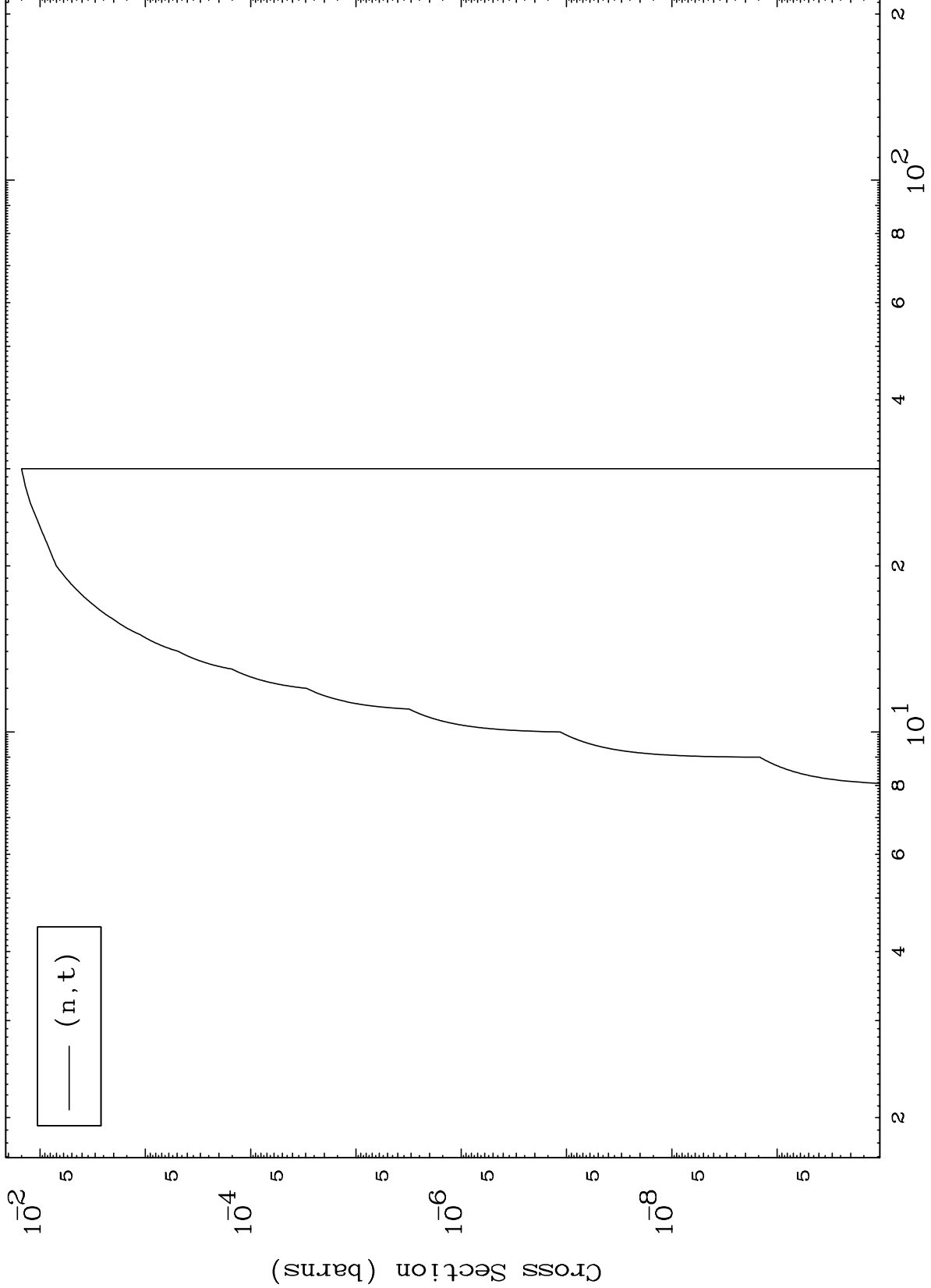
0 Kelvin Cross Sections



MAT 8282

(d, t) Levels
0 Kelvin Cross Sections

83-Bi-194n



10

Incident Energy (MeV)

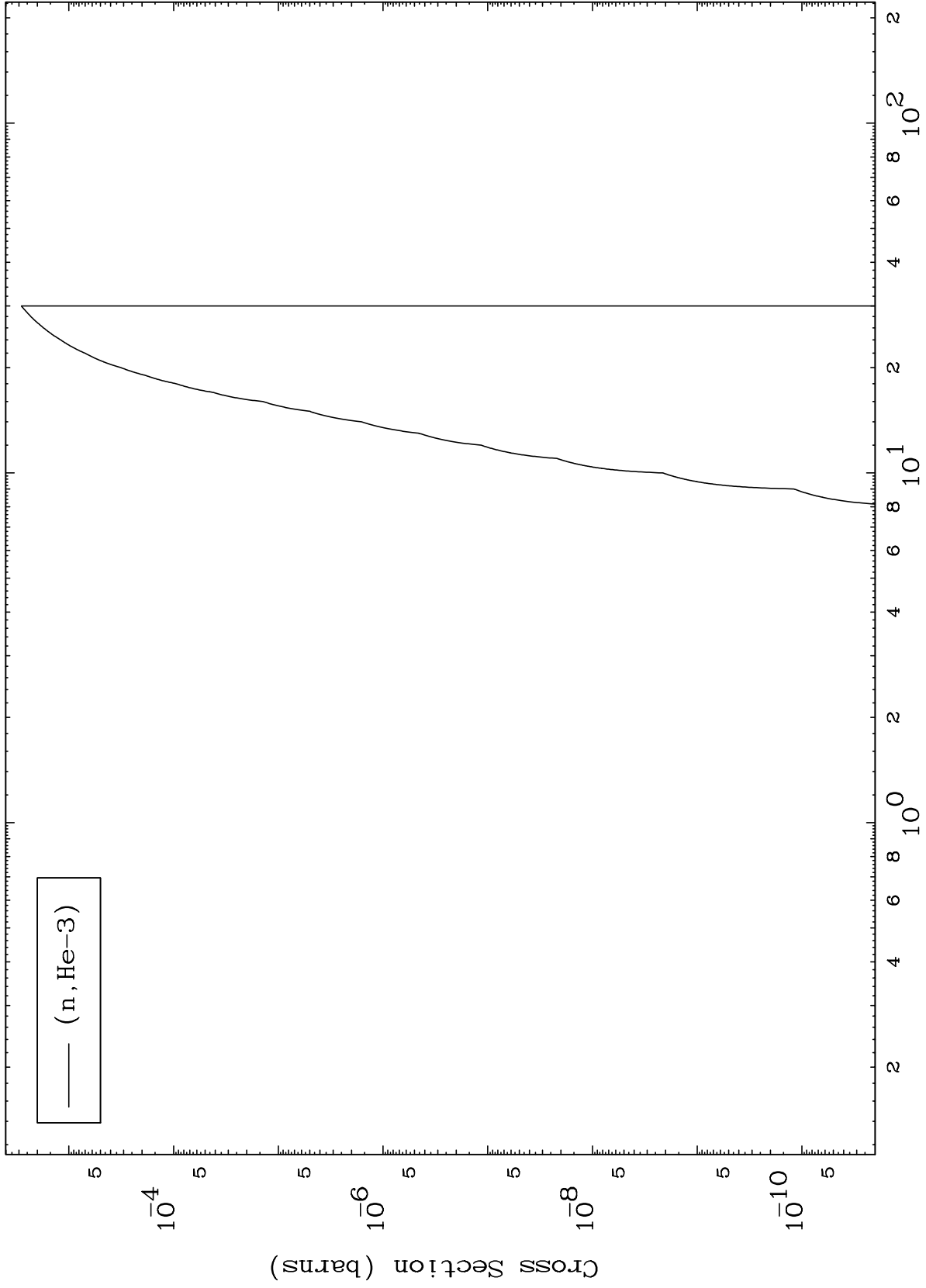
83-Bi-194n

MAT 8282

(d,He3) Levels

83-Bi-194n

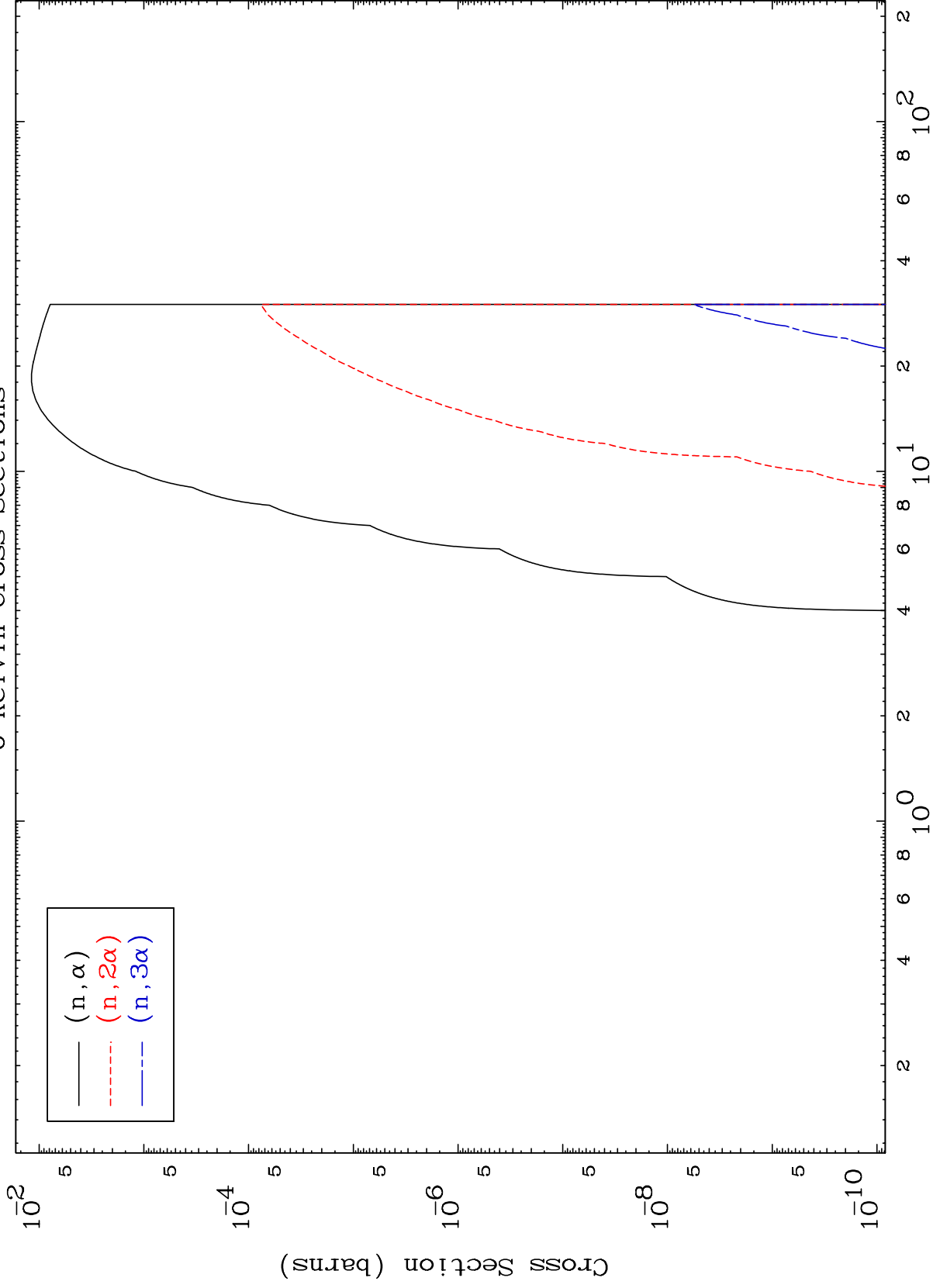
0 Kelvin Cross Sections



MAT 8282

(d, α) Levels
0 Kelvin Cross Sections

$^{83}\text{Bi}-194\text{n}$



12

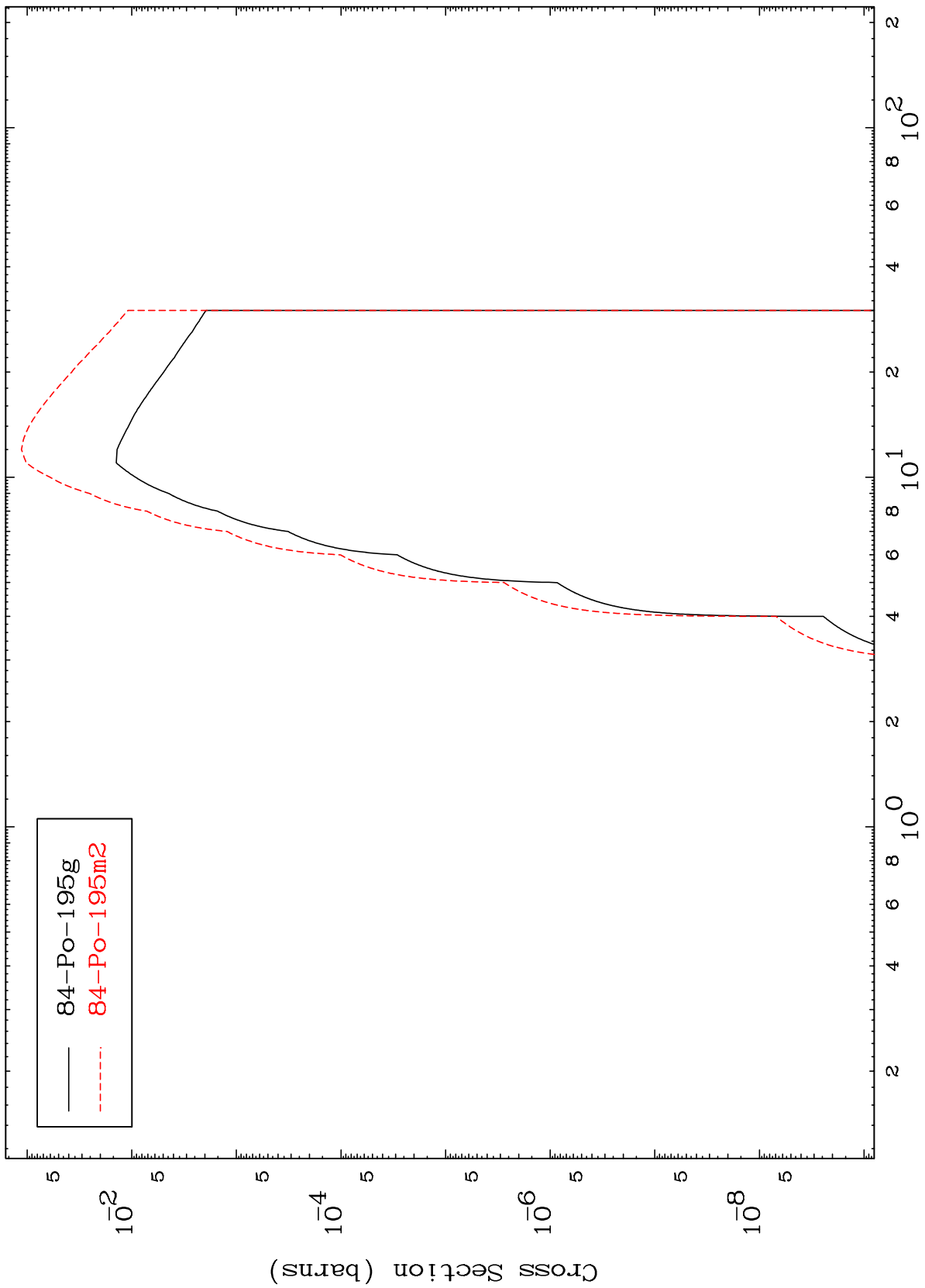
Incident Energy (MeV)

$^{83}\text{Bi}-194\text{n}$

MAT 8282

83-Bi-194n

Inelastic
Radionuclide Production Cross Section



83-Bi-194n

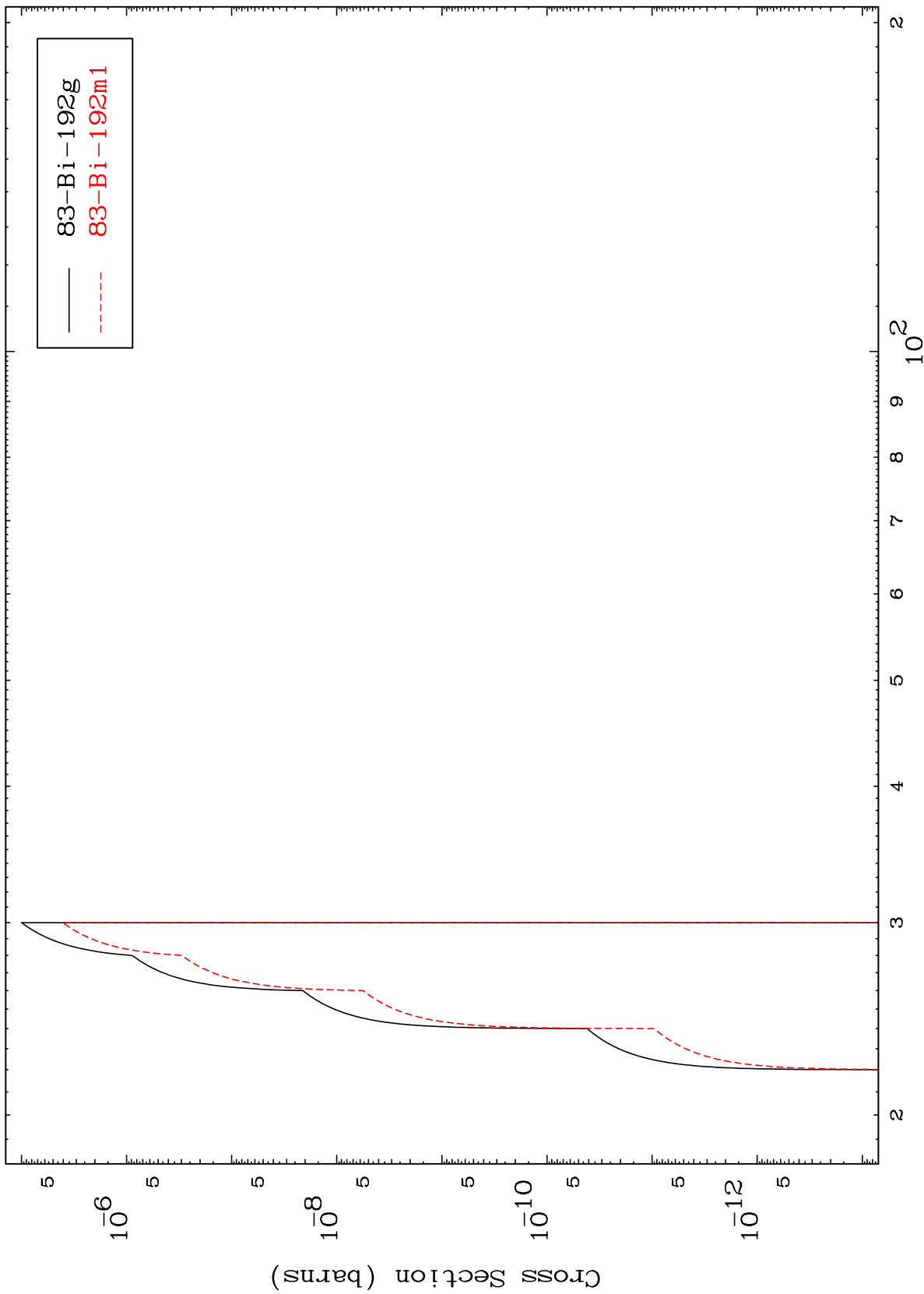
Incident Energy (MeV)

MAT 8282

(n,2n) d

83-Bi-194n

Radionuclide Production Cross Section



14

Incident Energy (MeV)

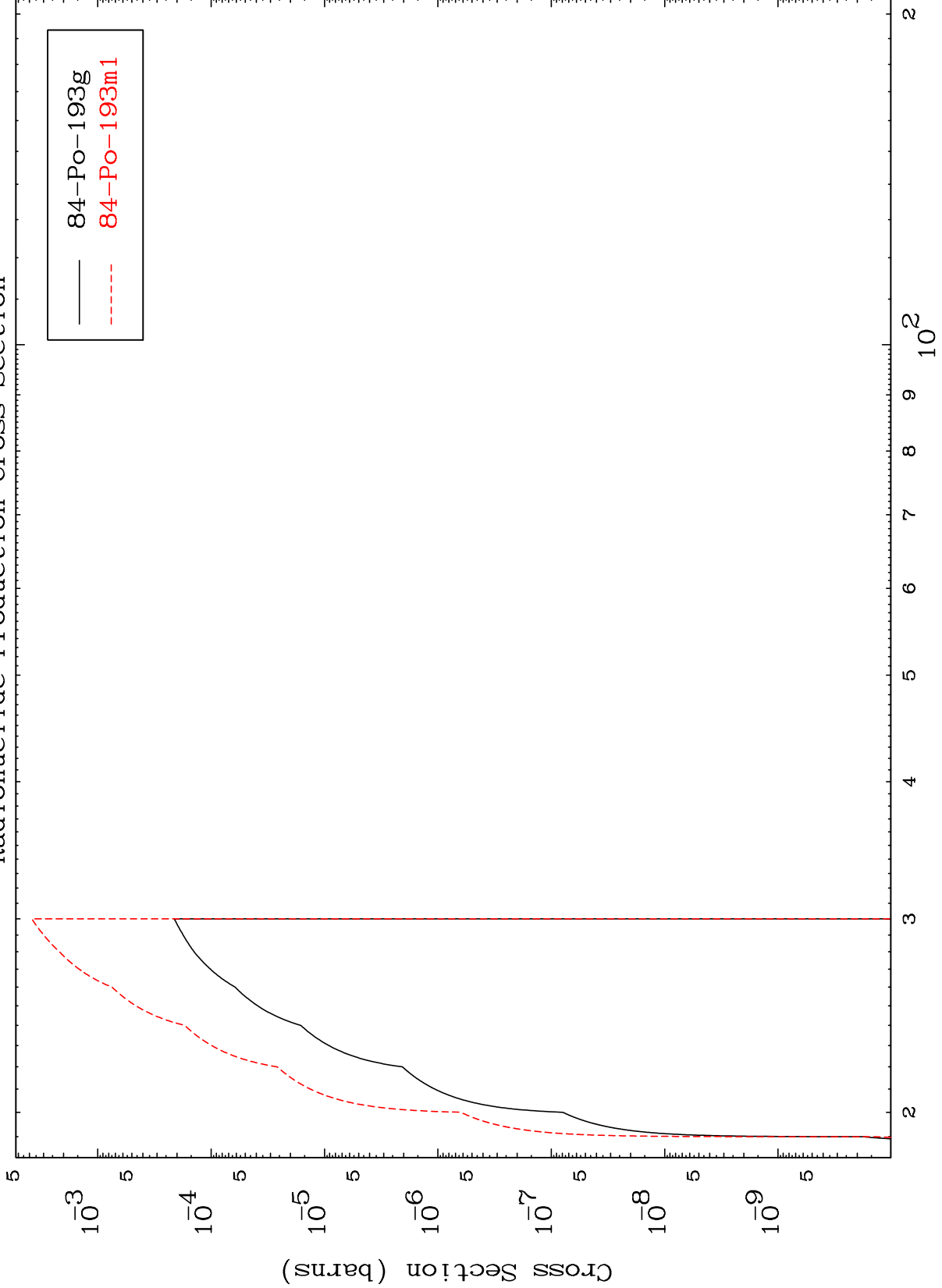
83-Bi-194n

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(n,3n)

83-Bi-194n

Radionuclide Production Cross Section



15

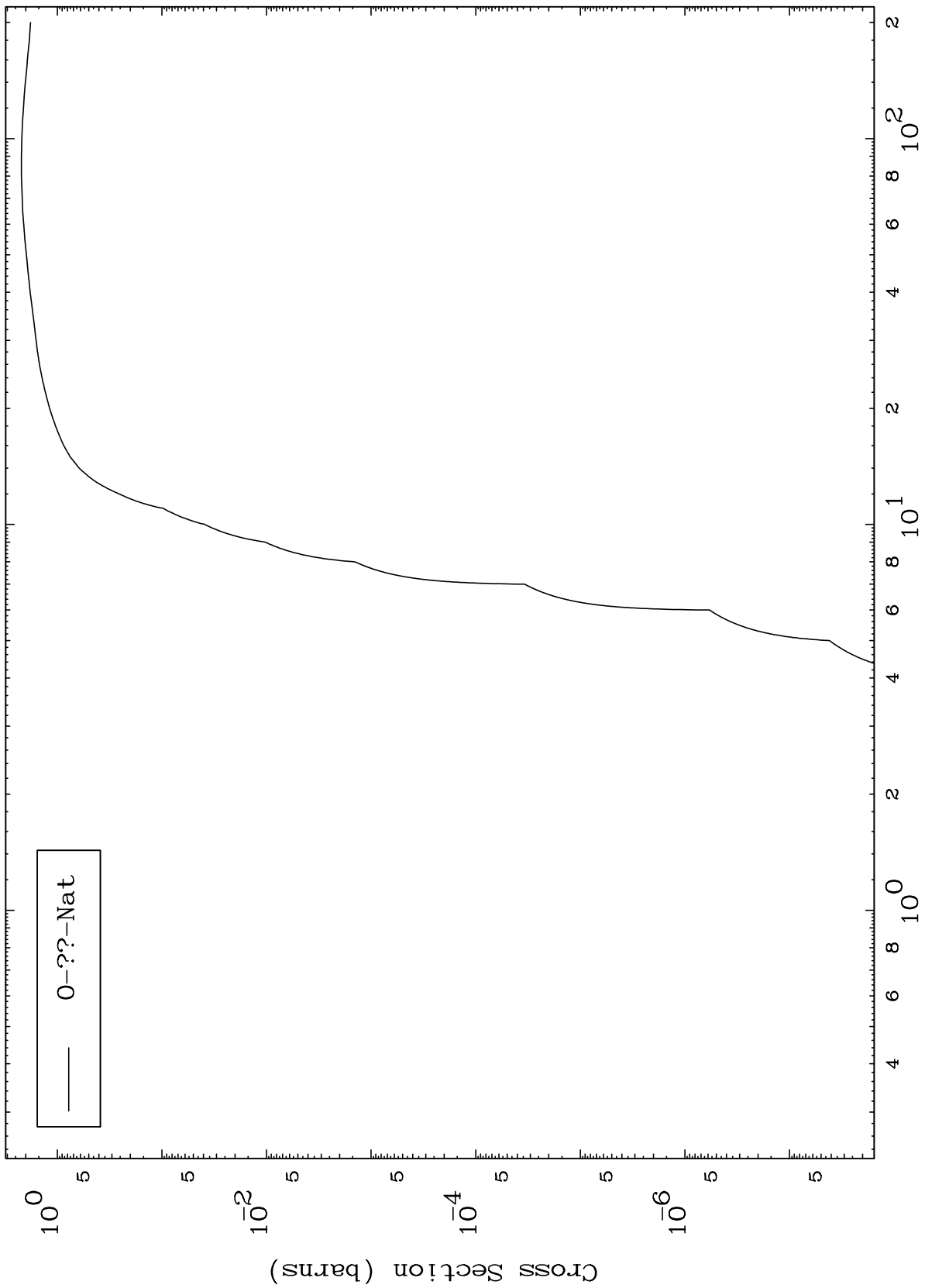
Incident Energy (MeV)

83-Bi-194n

MAT 8282

83-Bi-194n

Fission
Radionuclide Production Cross Section



83-Bi-194n

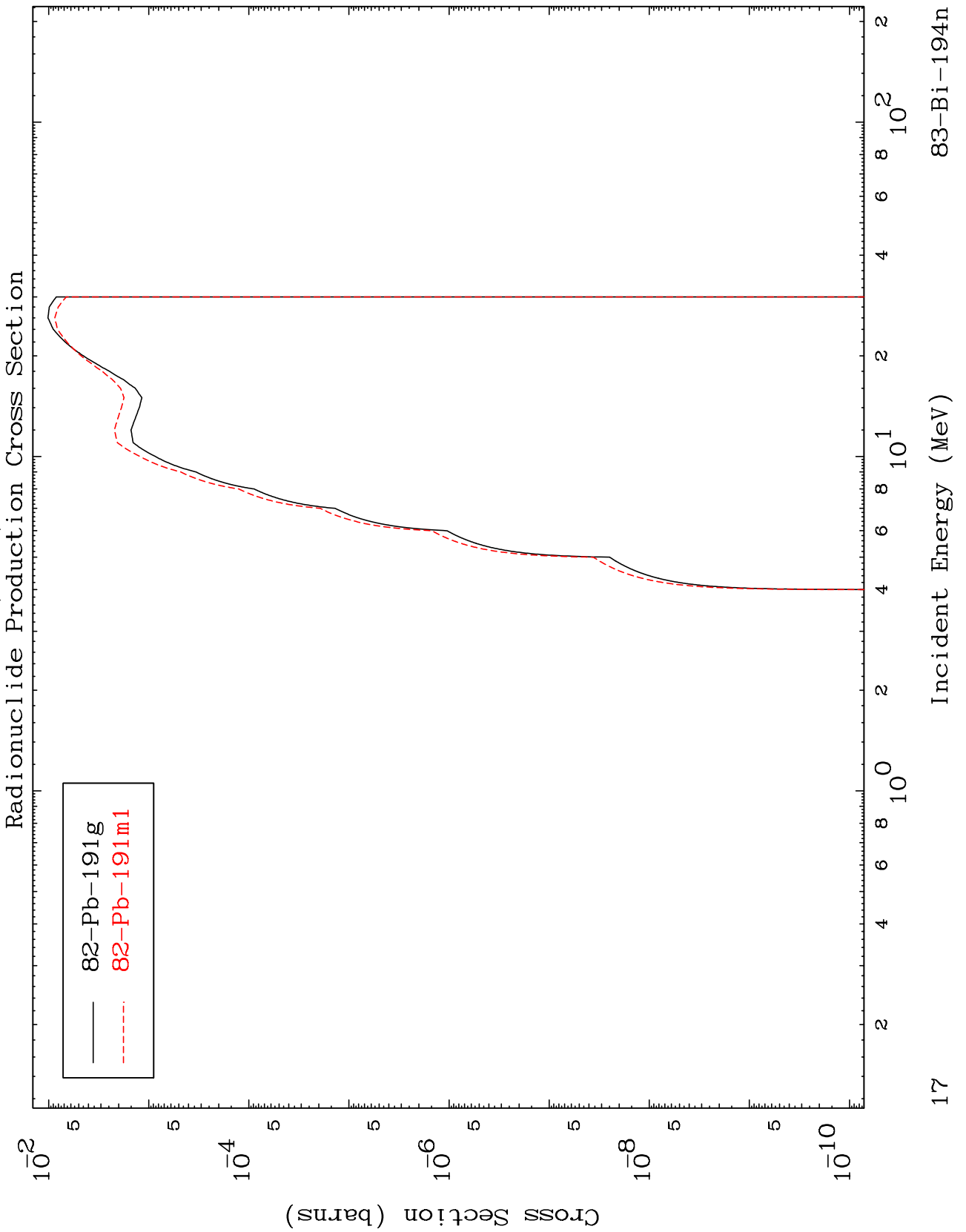
Incident Energy (MeV)

16

MAT 8282

$(n, n') \alpha$

83-Bi-194n

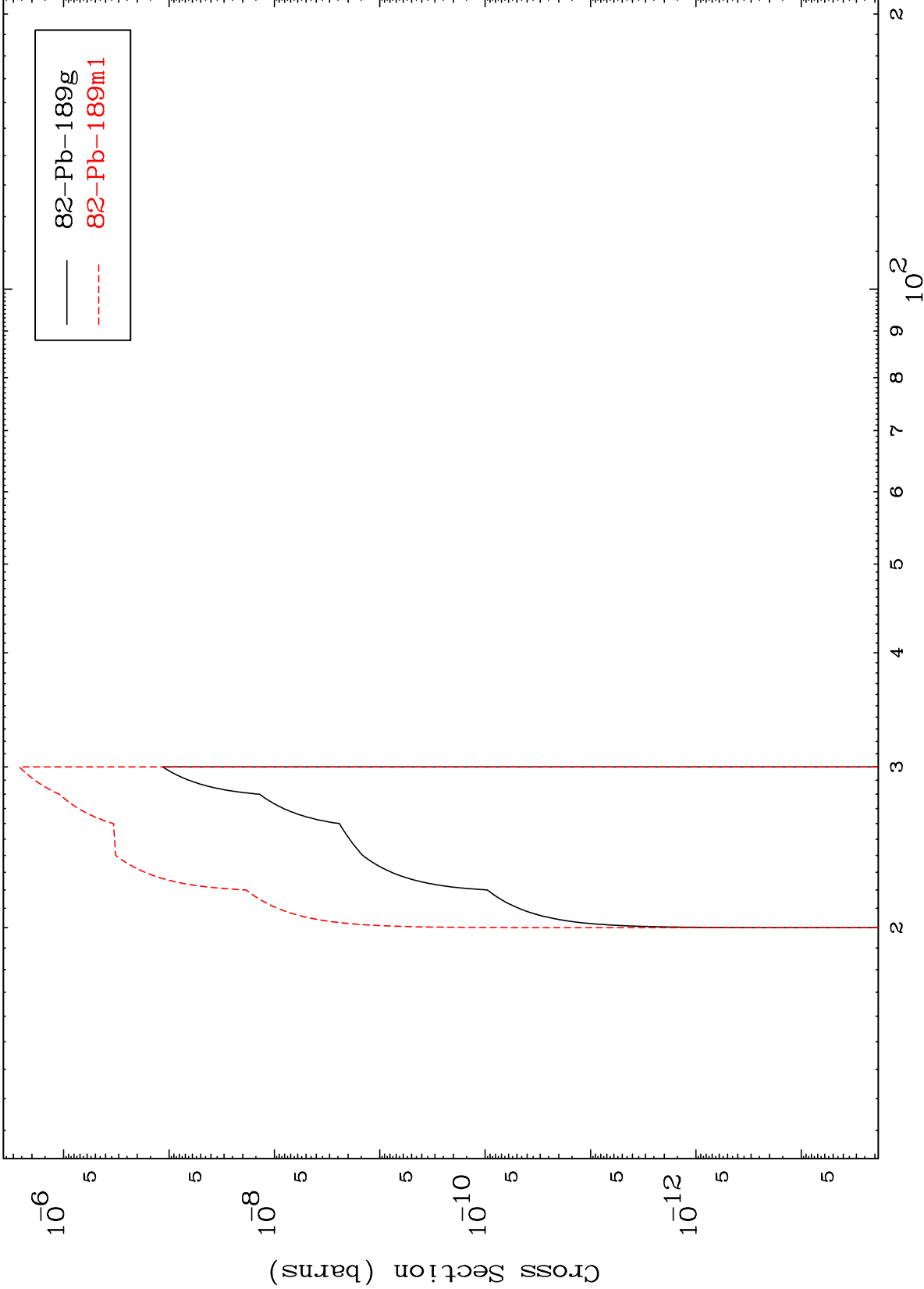


MAT 8282

(n,3n) α

83-Bi-194n

Radionuclide Production Cross Section

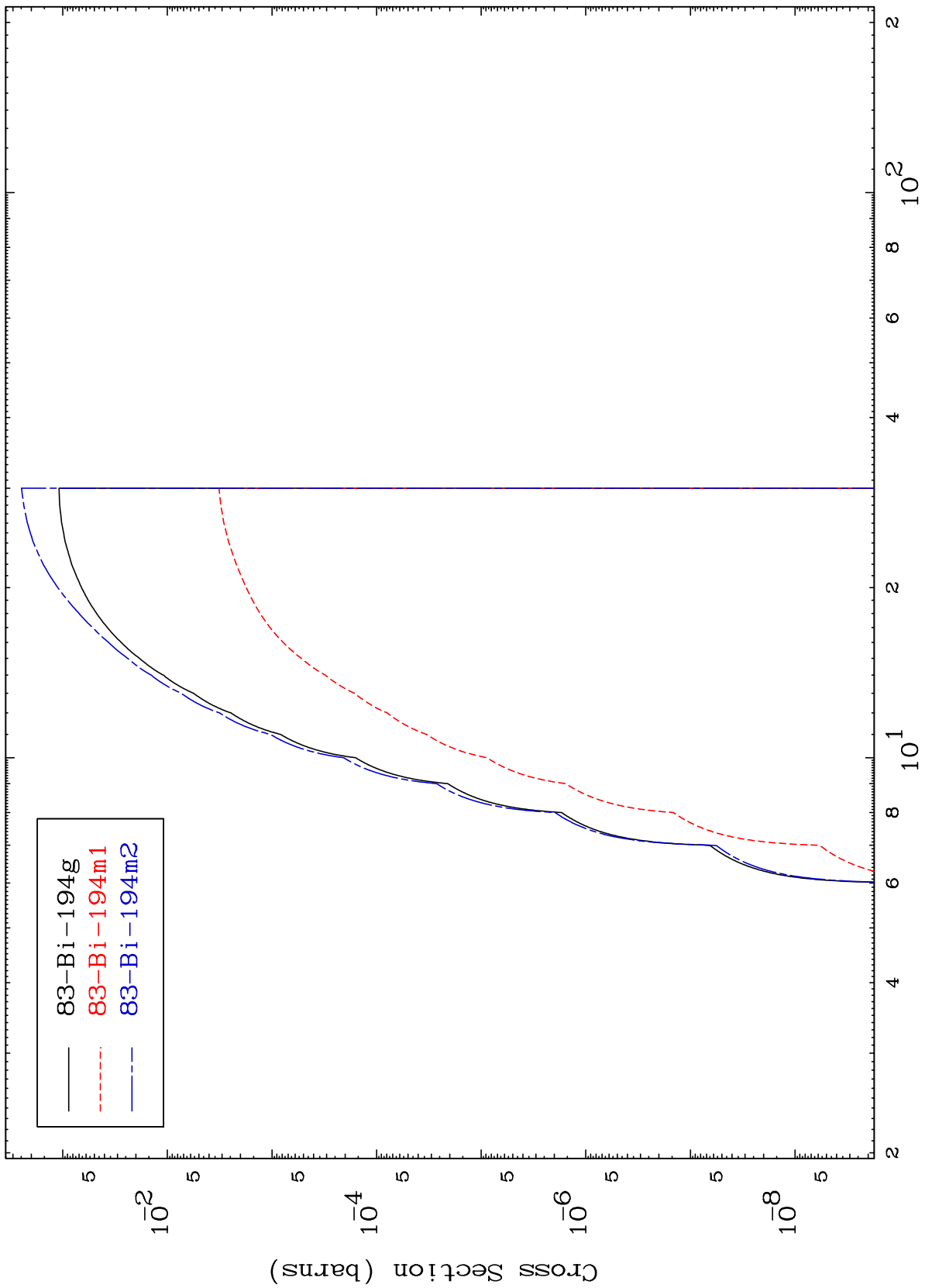


MAT 8282

(n,n') p

⁸³Bi-194n

Radionuclide Production Cross Section

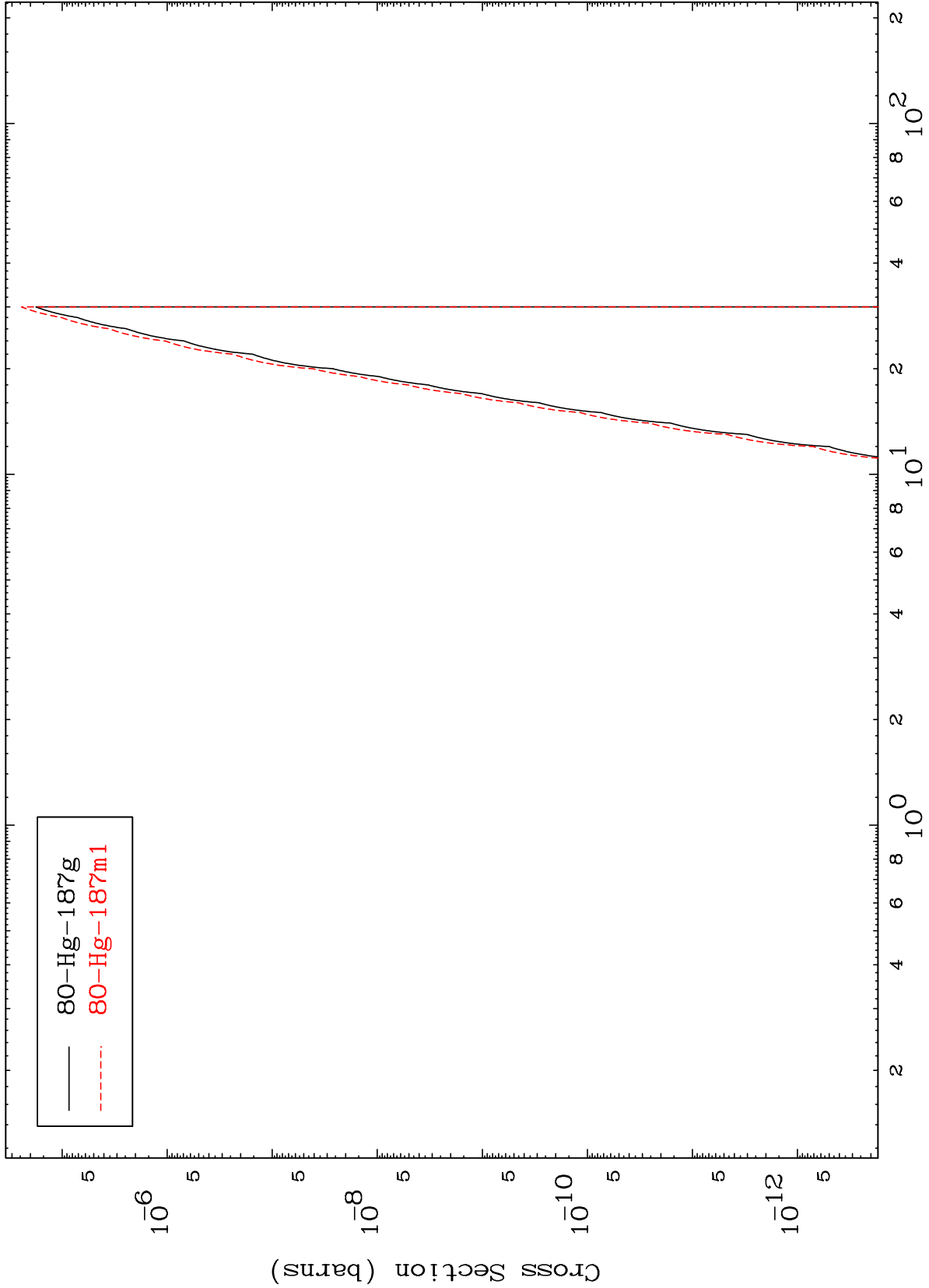


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(n,n') 2 α

83-Bi-194n

Radionuclide Production Cross Section



20

Incident Energy (MeV)

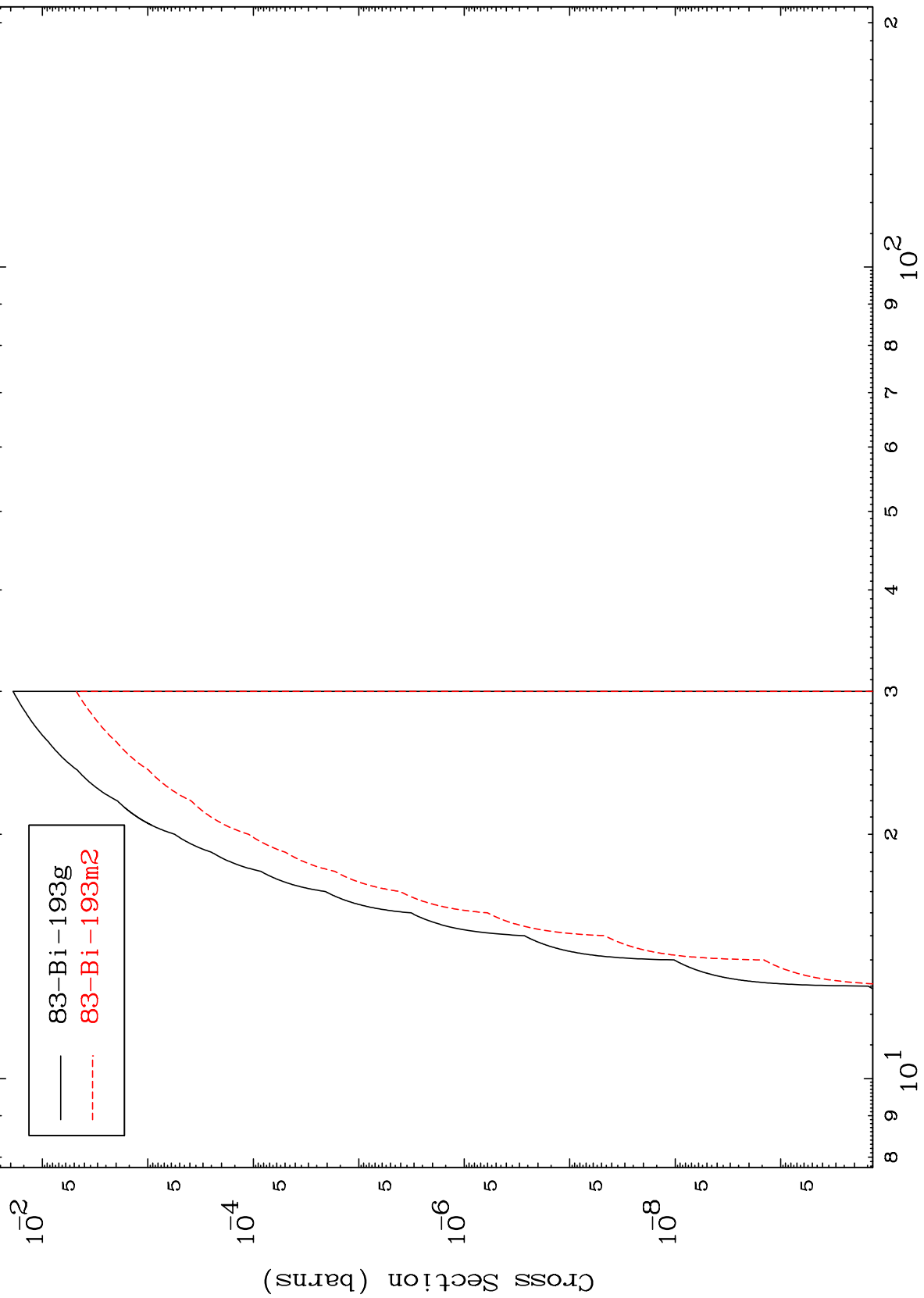
83-Bi-194n

MAT 8282

(n,n') d

83-Bi-194n

Radionuclide Production Cross Section

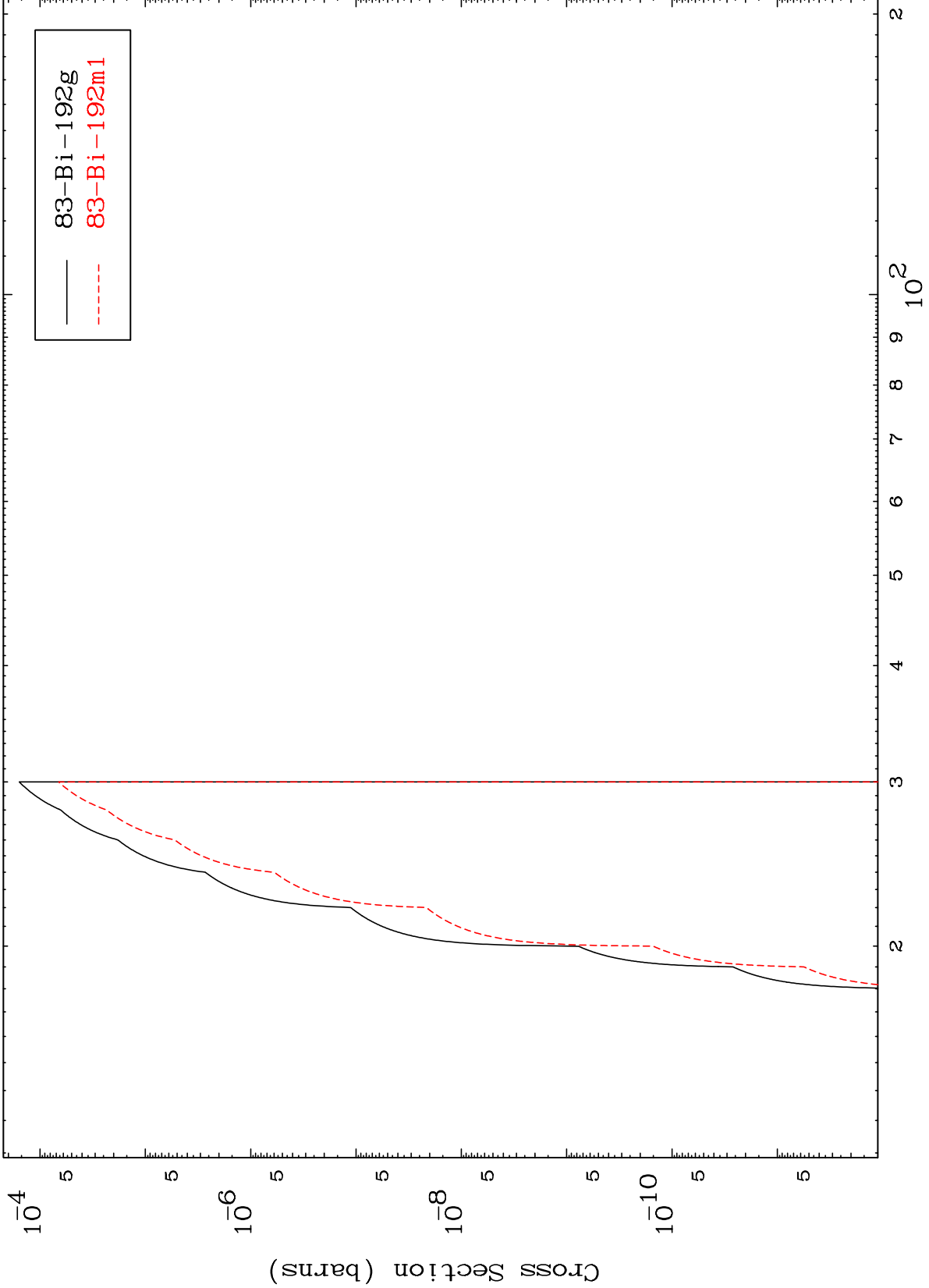


21

Incident Energy (MeV)

83-Bi-194n

Radionuclide Production Cross Section

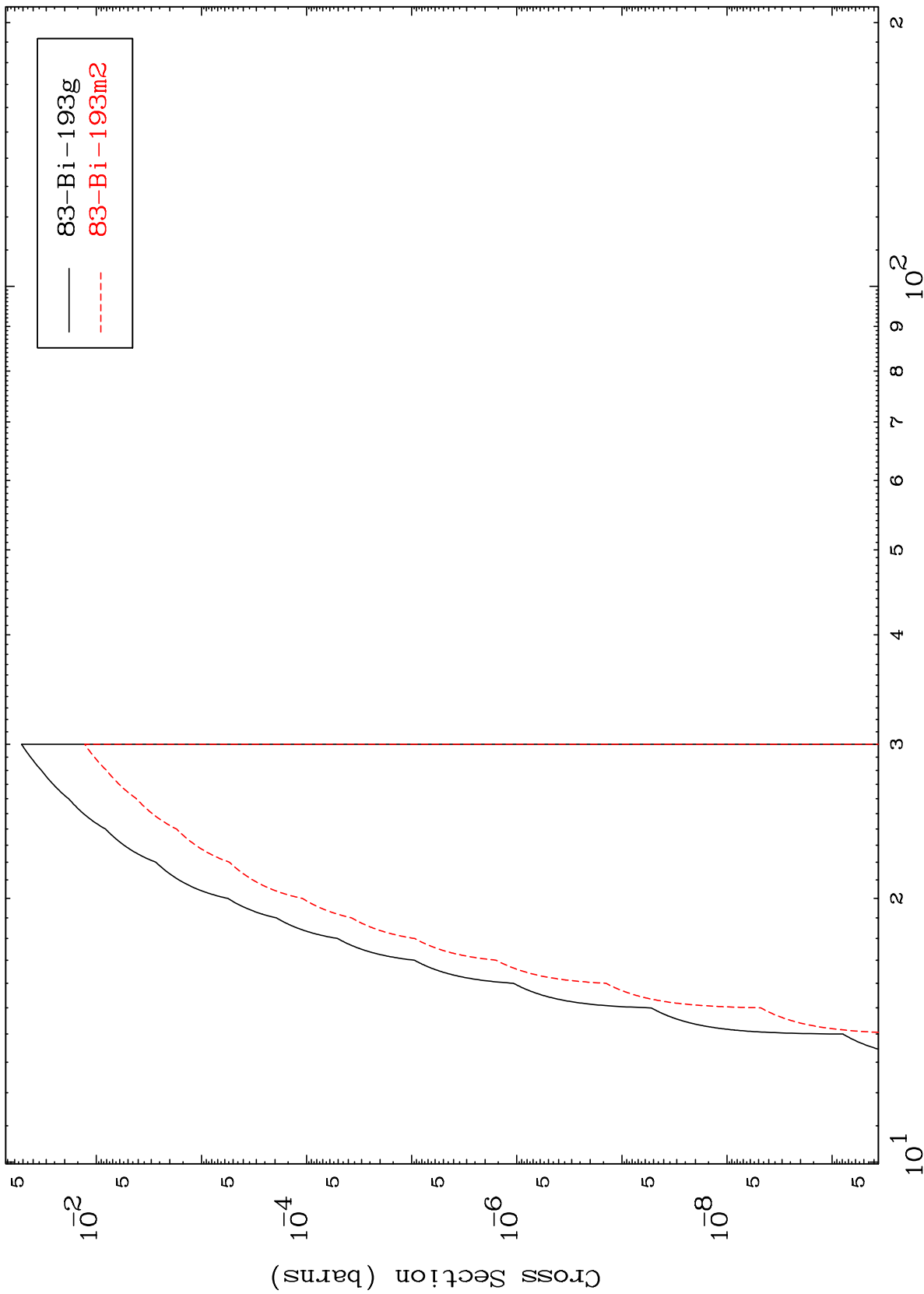


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(n,2n) p

83-Bi-194n

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-194n

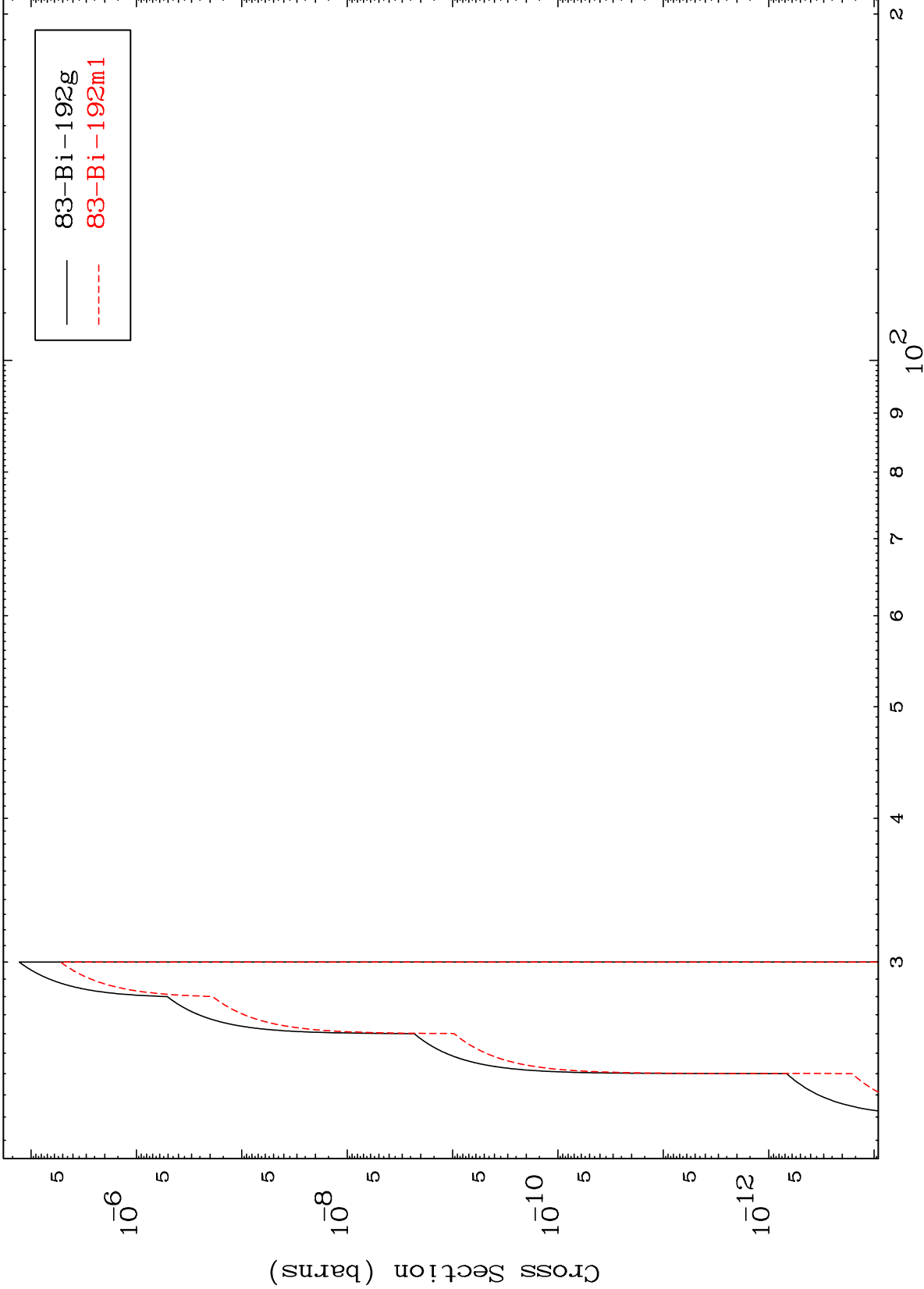
23

MAT 8282

$(n,3n)$ p

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section



24

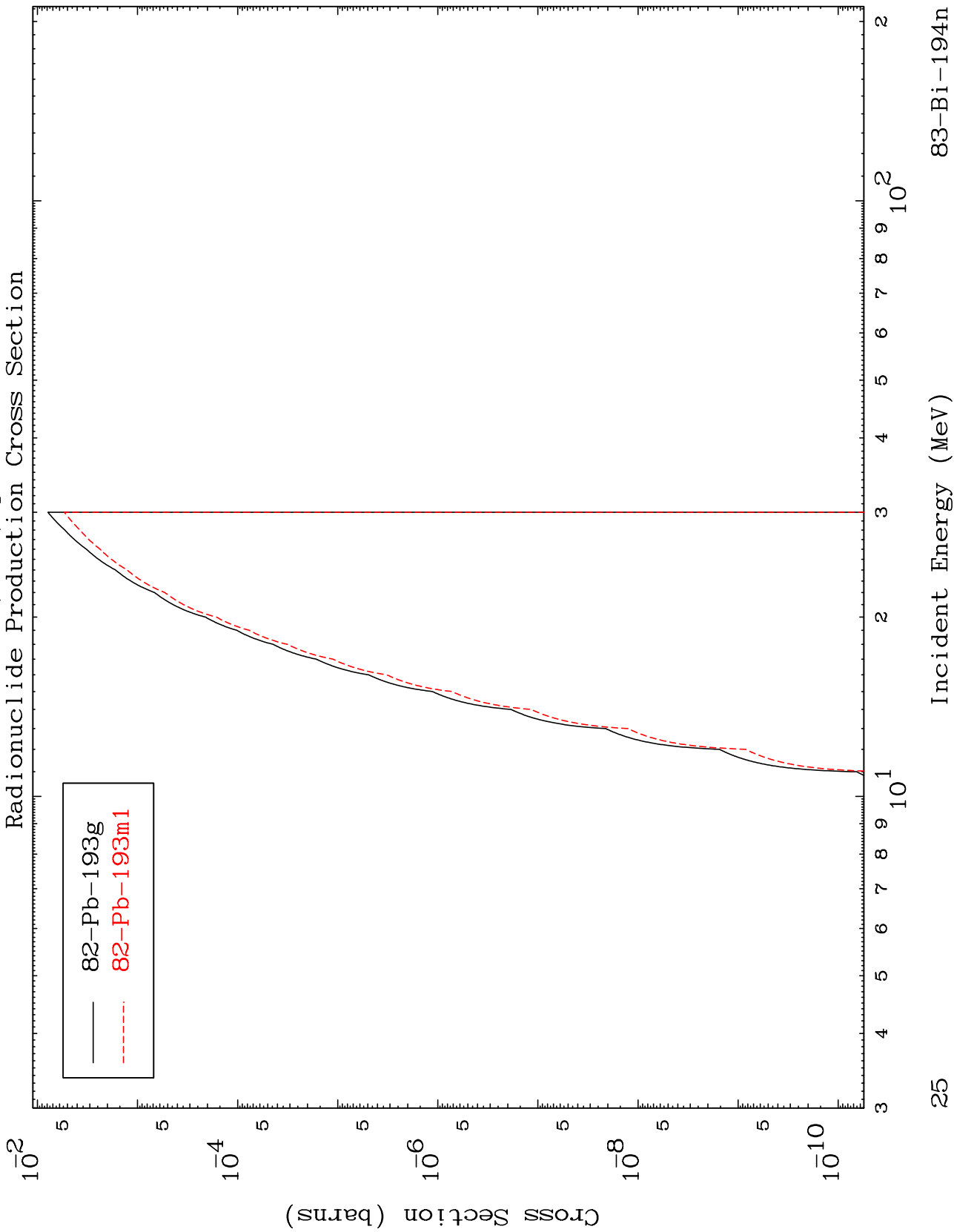
Incident Energy (MeV)

$^{83}\text{Bi}-194\text{n}$

MAT 8282

(n,2n) p

83-Bi-194n



25

Incident Energy (MeV)

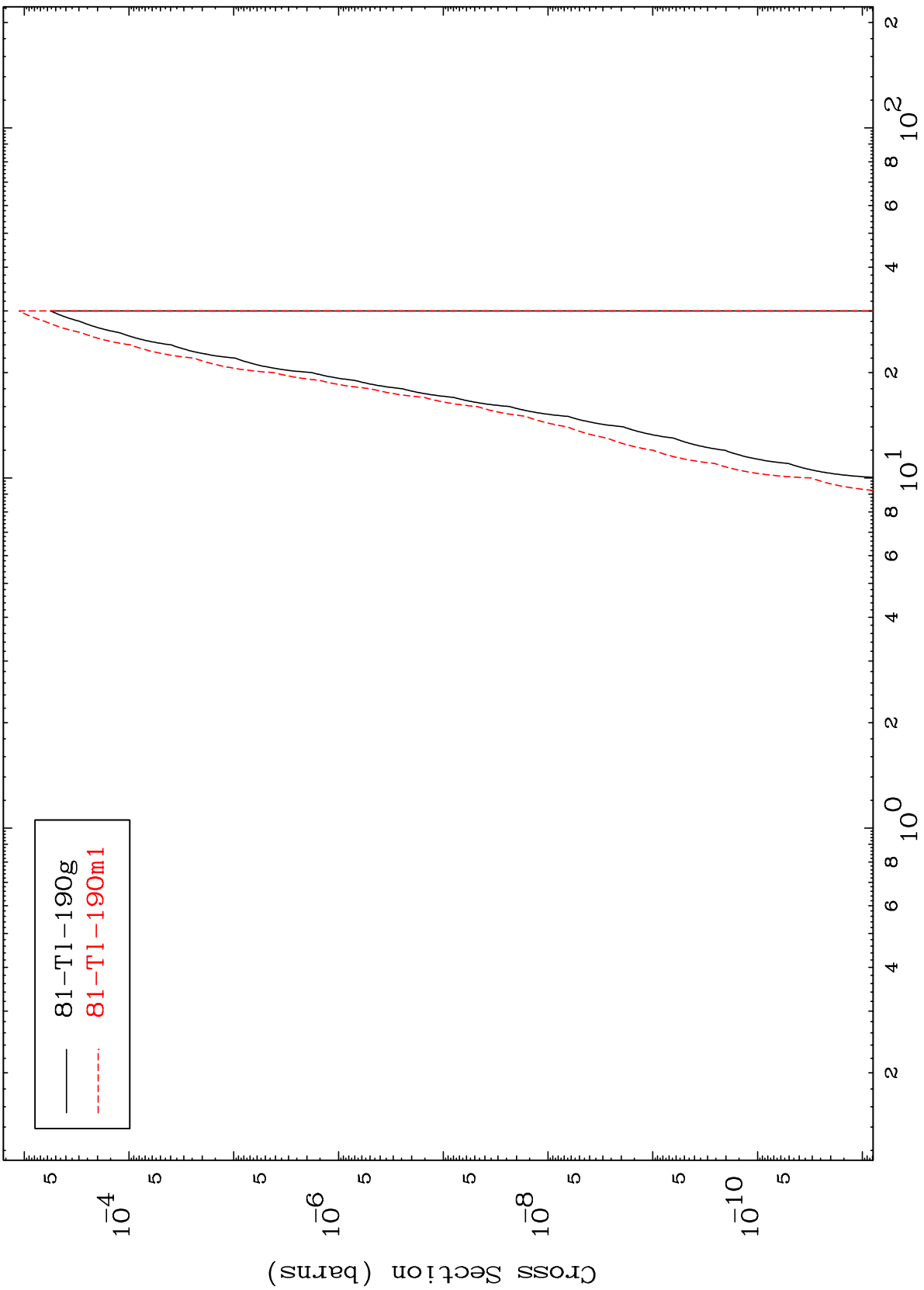
83-Bi-194n

MAT 8282

(n,n') p α

83-Bi-194n

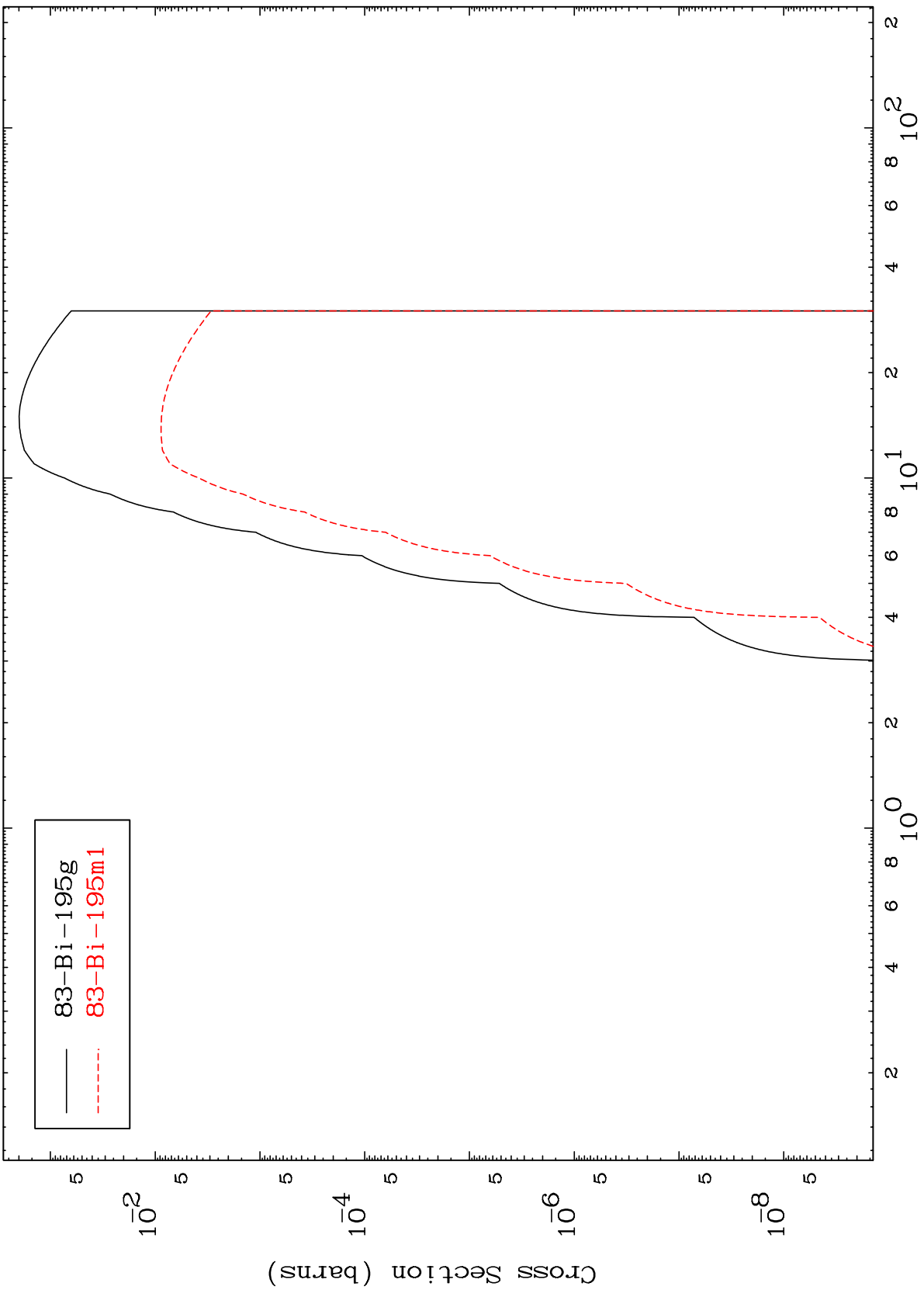
Radionuclide Production Cross Section



MAT 8282

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section (n,p)



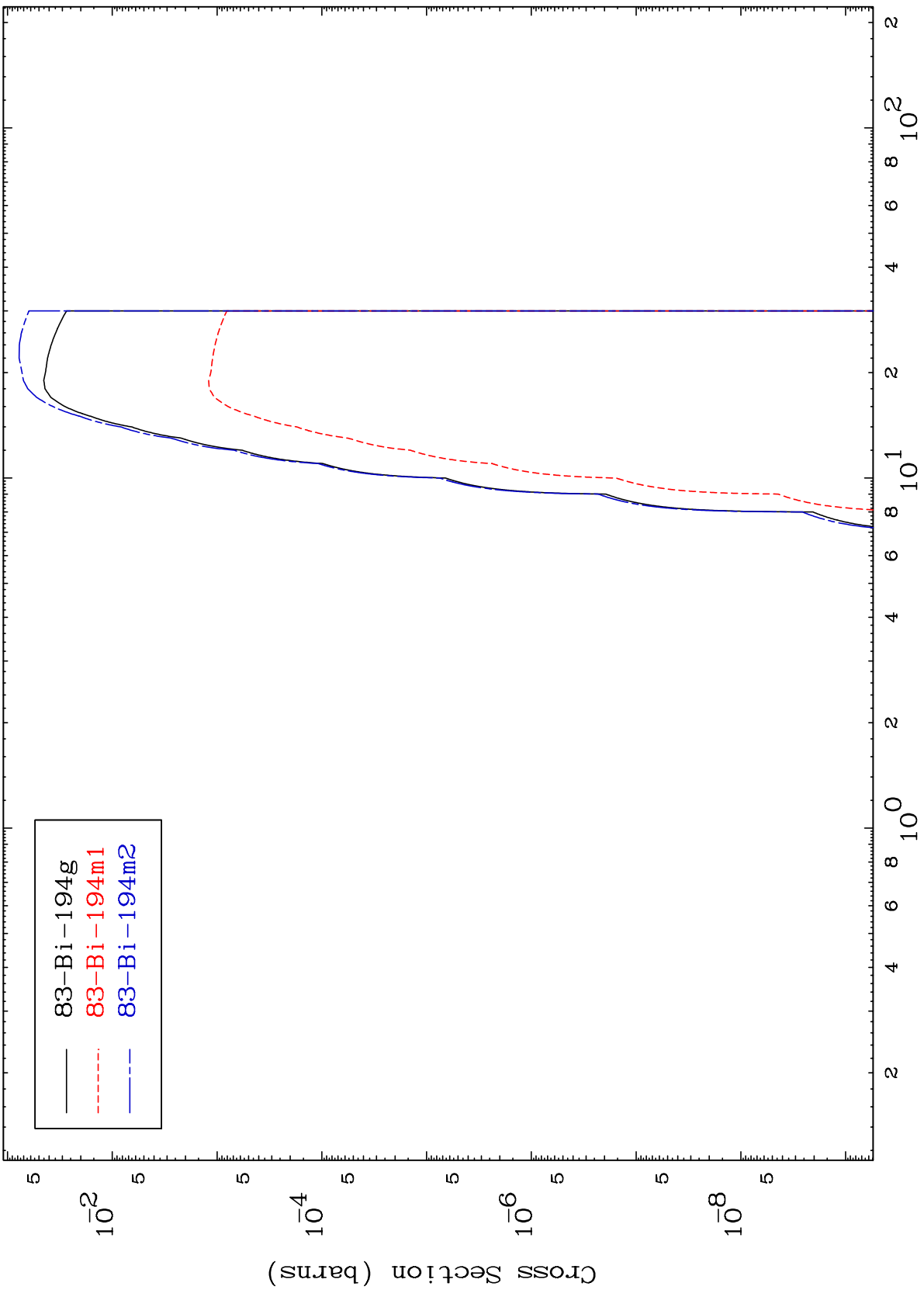
— $^{83}\text{Bi}-195\text{g}$
- - - $^{83}\text{Bi}-195\text{m1}$

MAT 8282

(n,d)

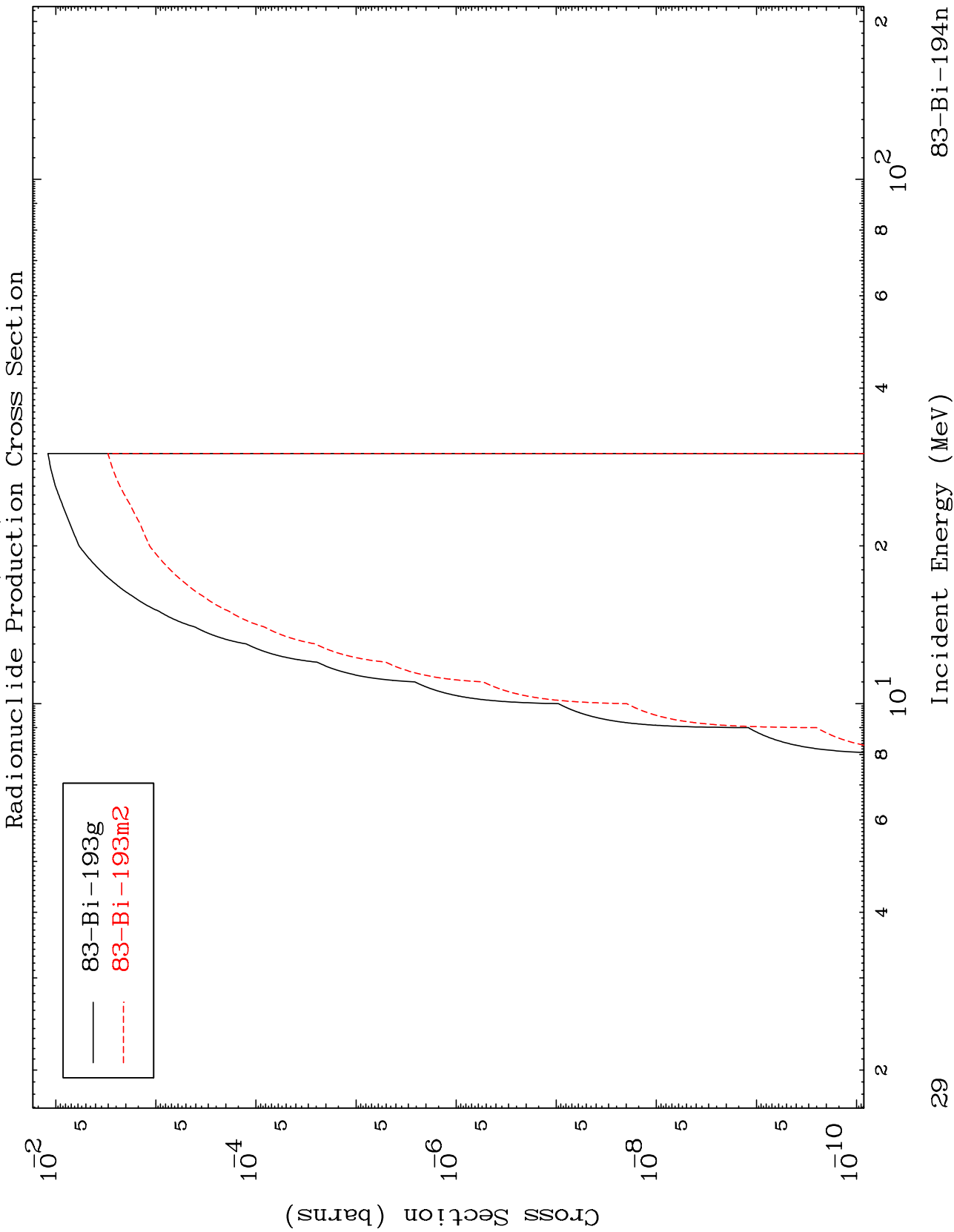
⁸³Bi-194n

Radionuclide Production Cross Section



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⁸³Bi-¹⁹⁴n

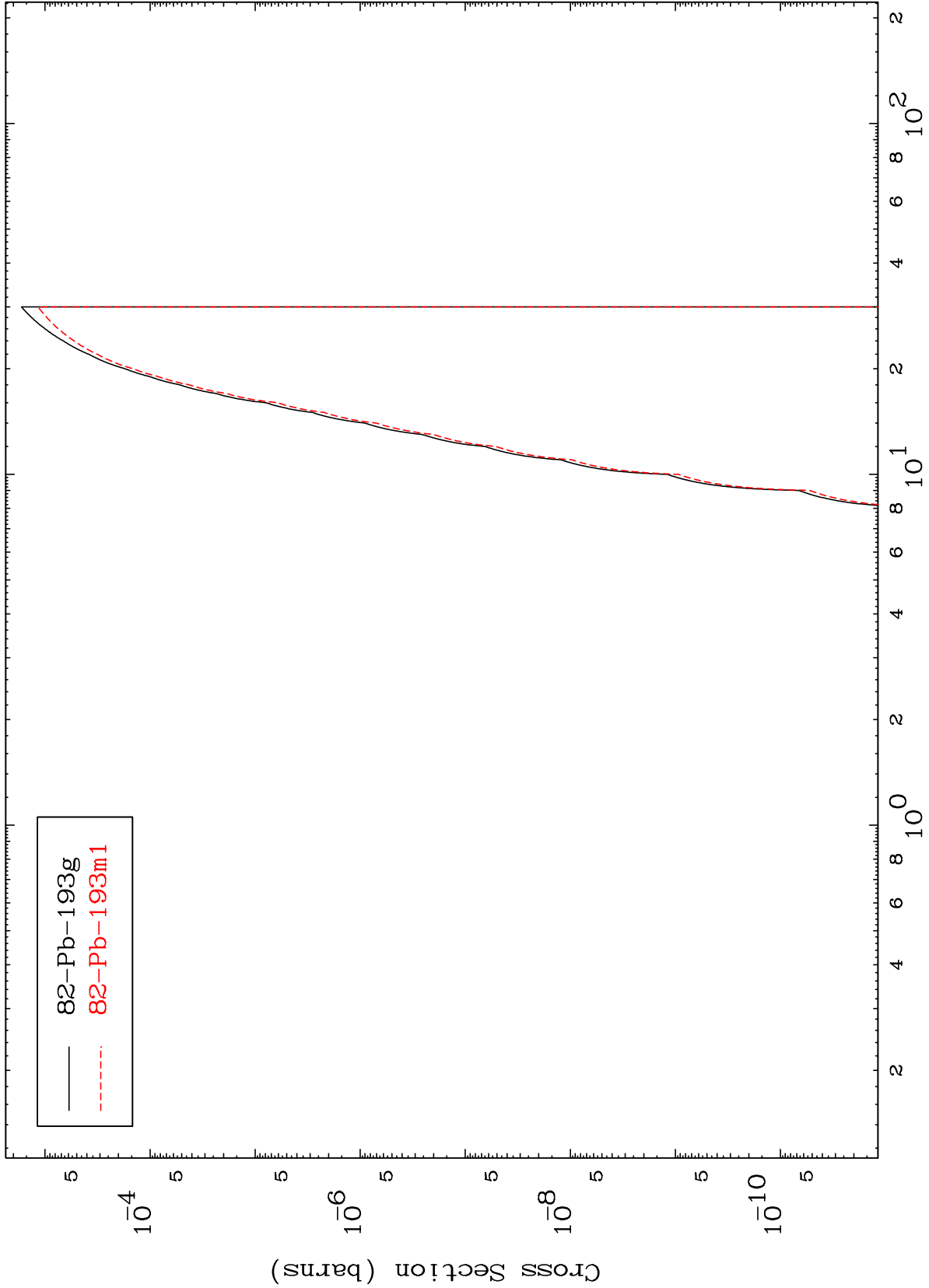


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(n,He-3)

83-Bi-194n

Radionuclide Production Cross Section

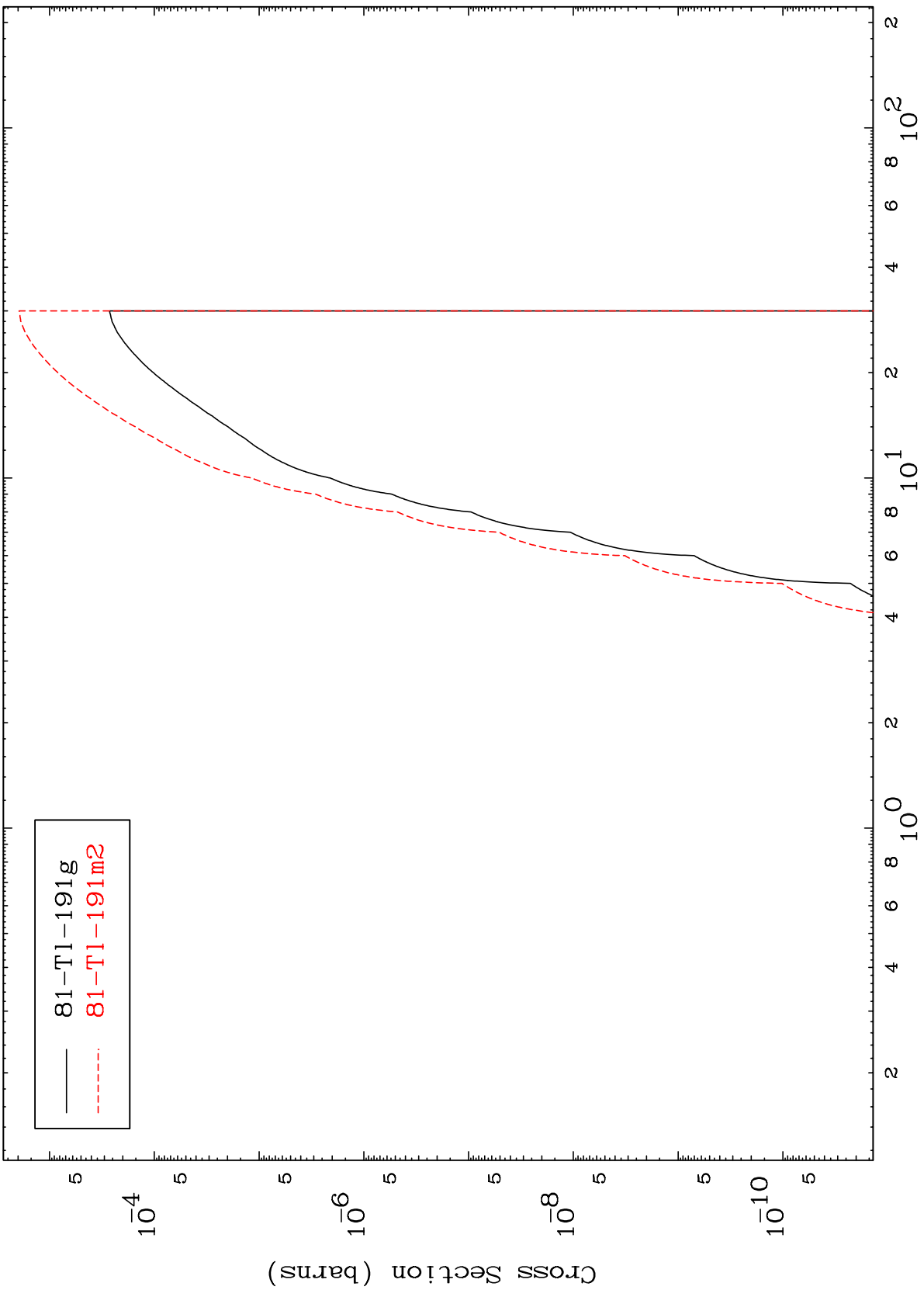


MAT 8282

(n,p) α

$^{83}\text{Bi}-194\text{n}$

Radionuclide Production Cross Section

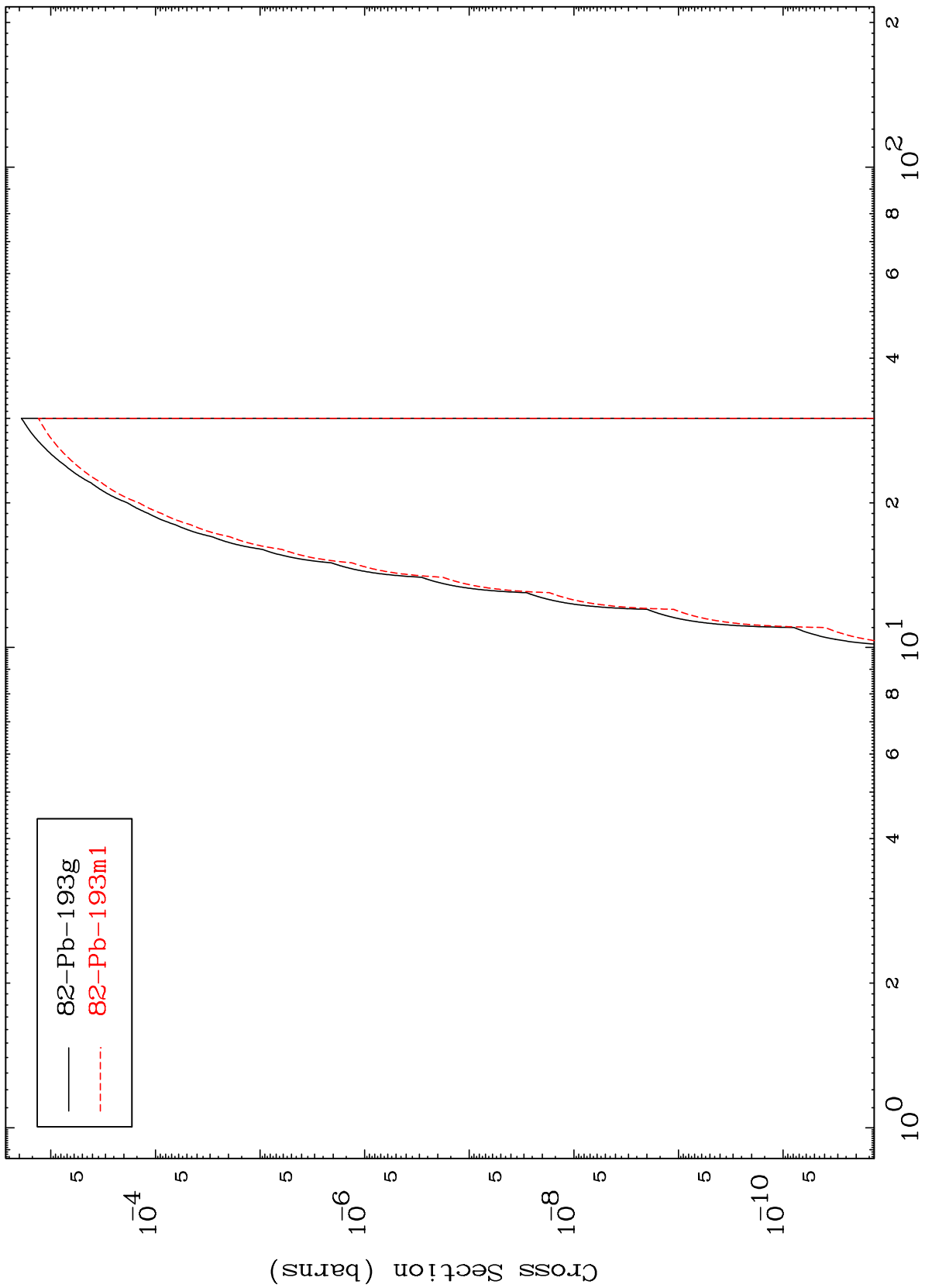


MAT 8282

(n,p) d

83-Bi-194n

Radionuclide Production Cross Section



32

Incident Energy (MeV)

83-Bi-194n

MAT 8282

(n,d) α

$^{83}\text{Bi}-^{194}\text{n}$

