



MICE CM30

Magnetic Shielding Update Field Contour Plots

Mike Courthold
6th July 2011

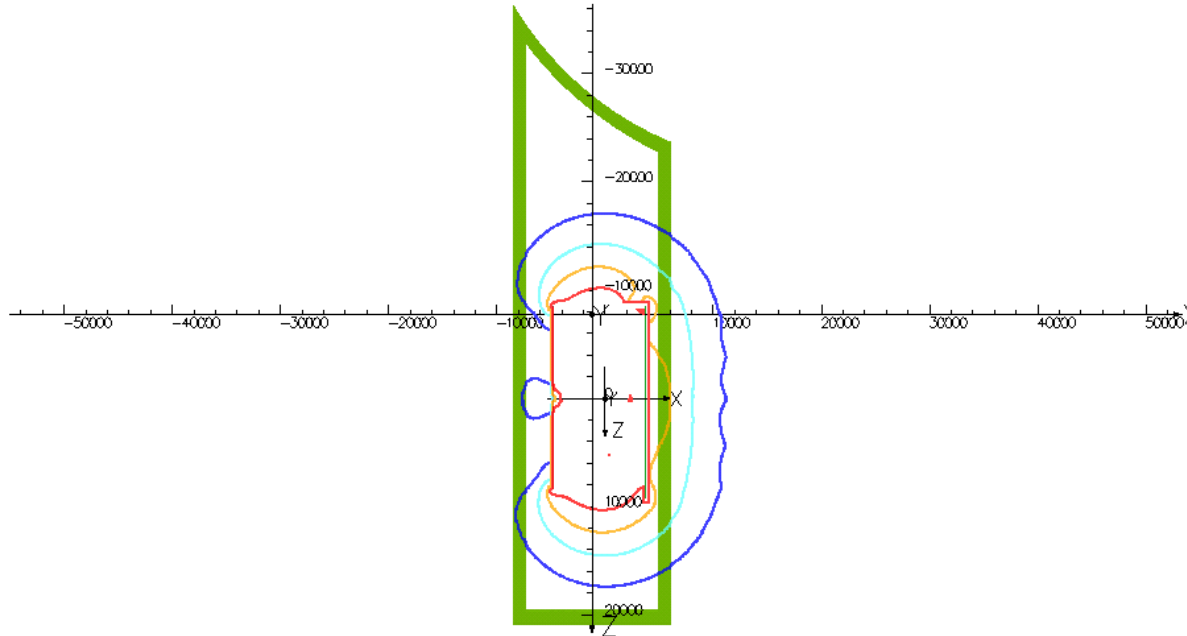


Science & Technology
Facilities Council

Phase VI, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

11/Jul/2011 00:24:48

XY plane at Z=0 50 gauss contour in red - 20 gauss contour in orange - 10 gauss contour in mag

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c6s240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3341264 elements
 2319728 nodes
 18 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian CARTESIAN 100x100 Cartesian
 (nodal)
 x=-12000.0 to y=0.0 z=-18000.0 to
 12000.0 18000.0

Opera

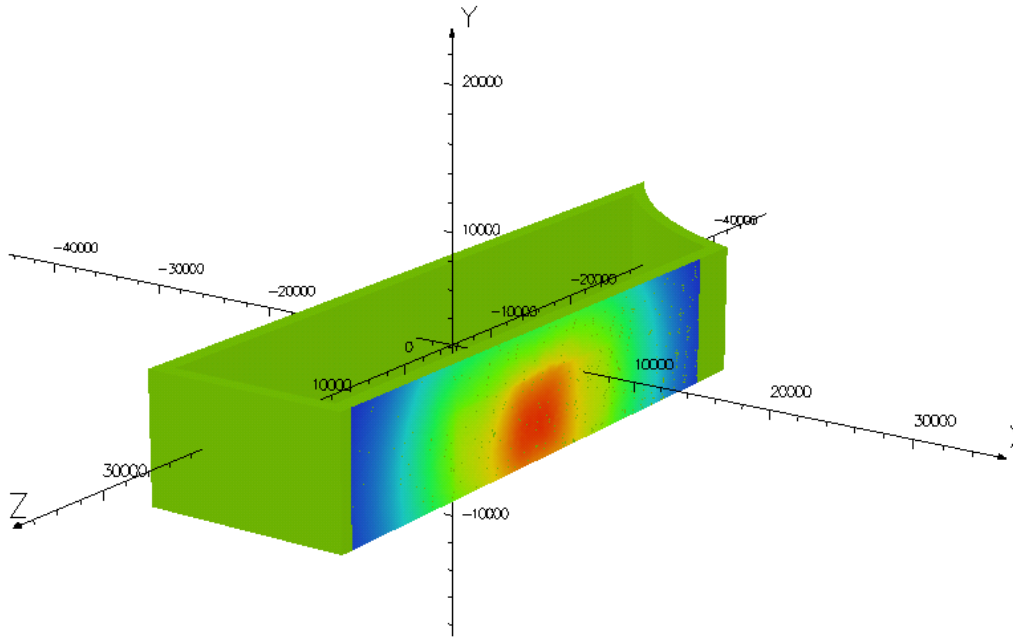
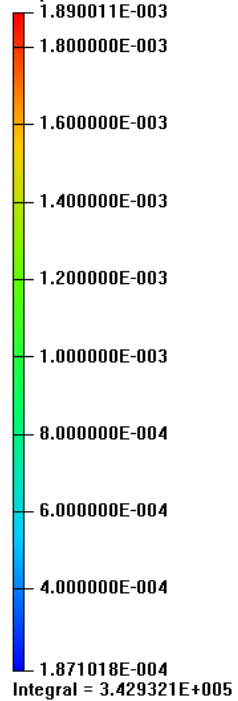


Phase VI, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

11/Jul/2011 00:25:10

contour map along wall on control

Map contours: BMOD

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

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Nonlinear materials
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3341264 elements
2319728 nodes
18 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN	300x300	Cartesian
(nodal)			
x=6106.0	y=-2370.0 to z=20000.0		6545.4 -20000.0

Opera



Phase VI, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

11/Jul/2011 00:26:48

Map contours: BMOD

1.746827E-003

1.600000E-003

1.400000E-003

1.200000E-003

1.000000E-003

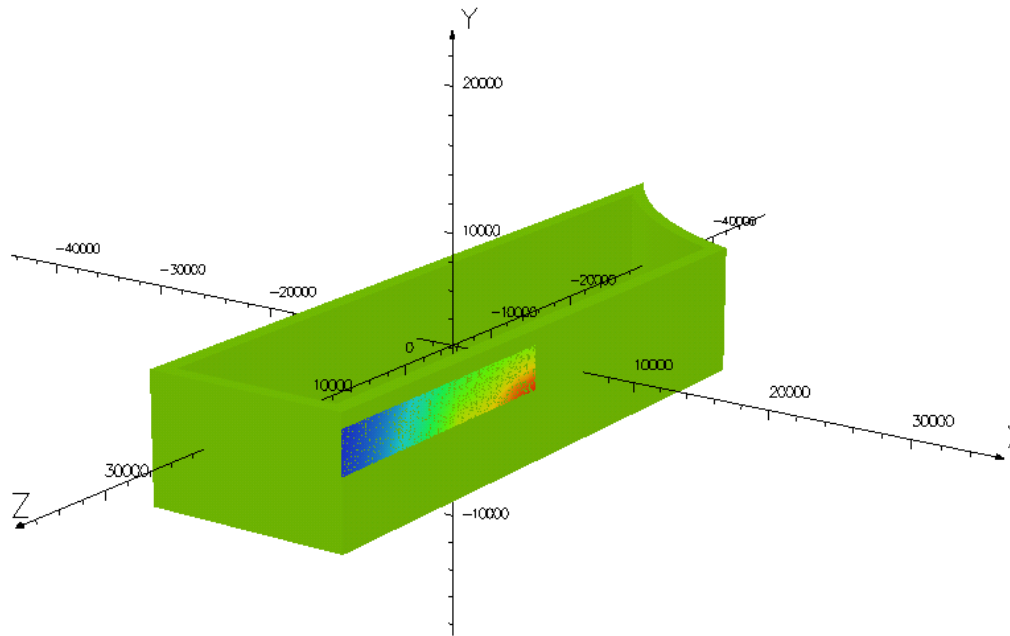
8.000000E-004

6.000000E-004

4.000000E-004

1.784048E-004

Integral = 5.282801E+004



ISIS CONTROL ROOM V

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

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 3341264 elements
 2319728 nodes
 18 conductors
 Nodally interpolated fields
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Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN	300x100	Cartesian
(nodal)			
x=6106.0	y=2505.0 to z=20995.0 to 5505.0		400.0

Opera

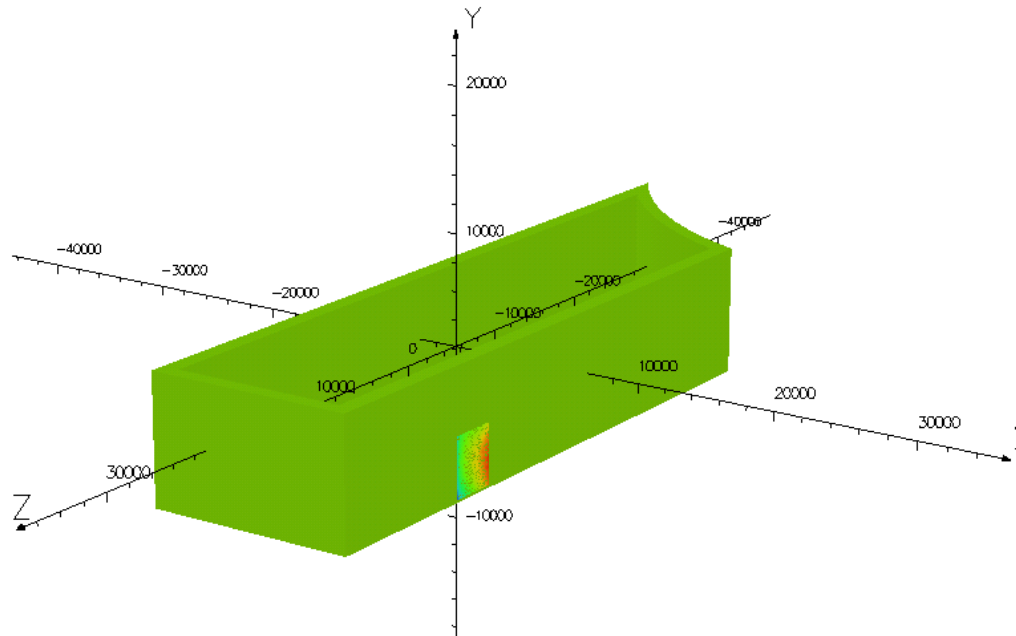
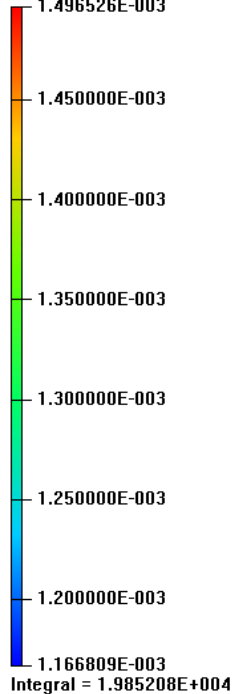


Phase VI, Solenoid mode, TRD data, 240MeV/c, Beta 42cm



11/Jul/2011 00:26:46

Map contours: BMOD
1.496526E-003



MICE CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c6s240b42.op3
TOSCA Magnetostatic
Nonlinear materials
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3341264 elements
2319728 nodes
18 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN	100x100	Cartesian
(nodal)			
x=6106.0	y=-2185.0 to	z=9541.0 to	
	1975.0	6096.0	

Opera



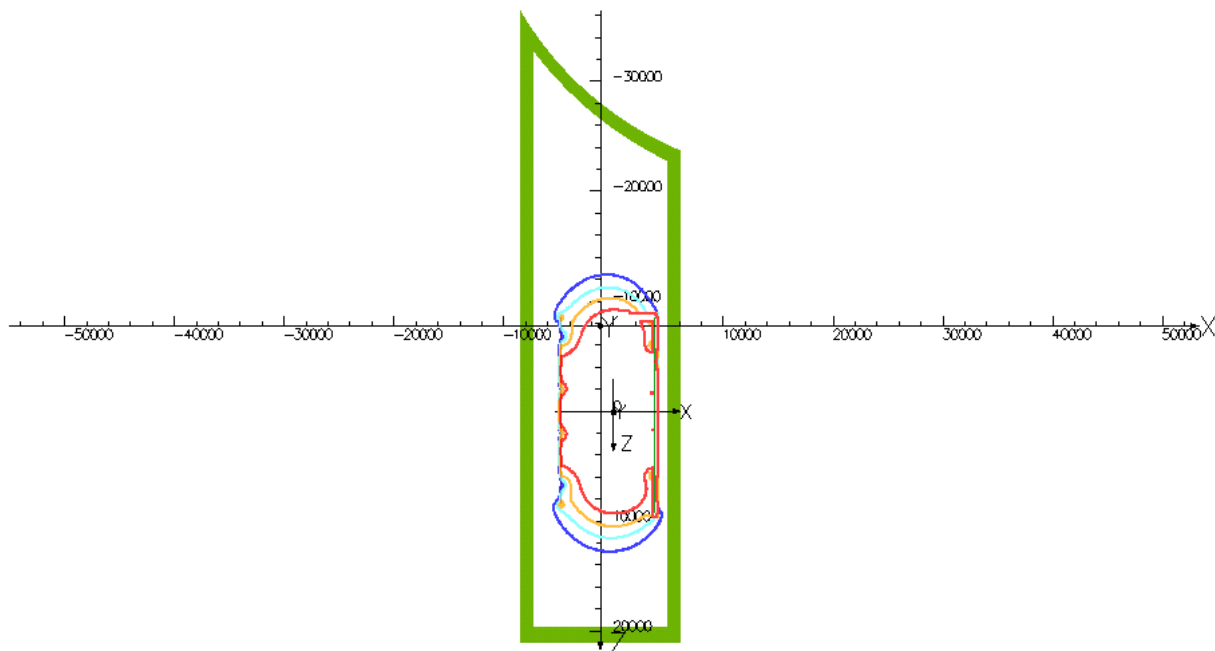
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Facilities Council



Phase VI, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:55:43

XY plane at Z=0 50 gauss contour in red - 20 gauss contour in orange - 10 gauss contour in mag

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c6f240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3341264 elements
 2319728 nodes
 18 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

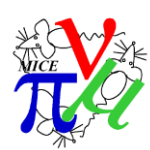
Local = Global

FIELD EVALUATIONS

Cartesian CARTESIAN 100x100 Cartesian
 (nodal)
 x=-12000.0 to y=0.0 z=-18000.0 to
 12000.0 18000.0

Opera

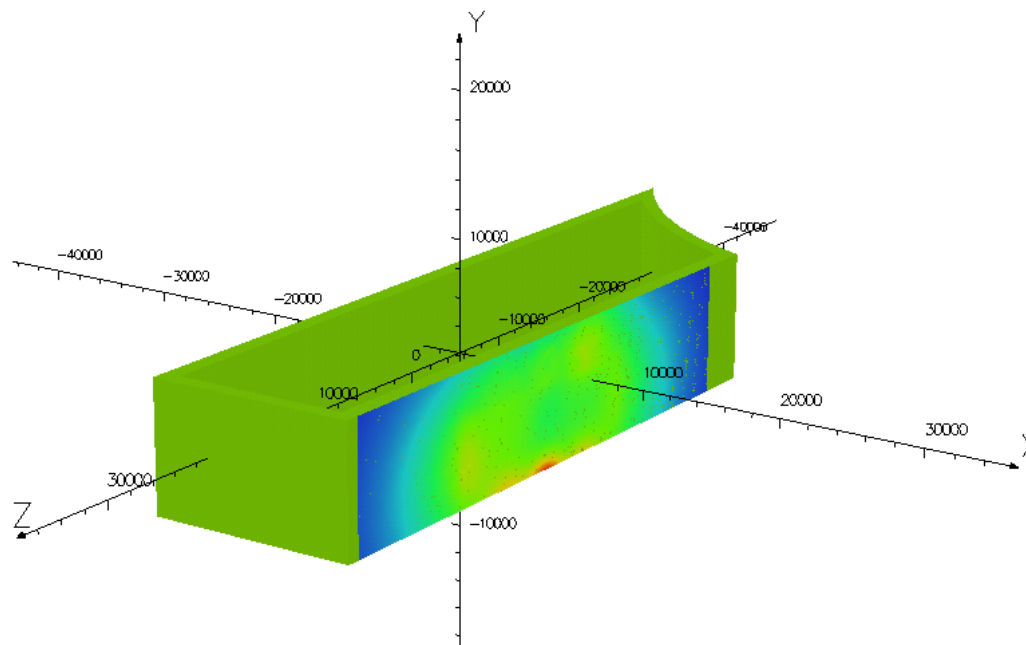
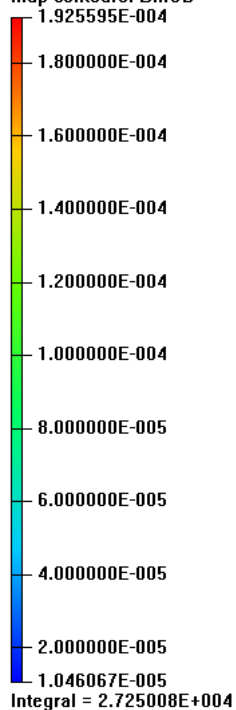




Phase VI, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:56:08

Map contours: BMOD



UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻²
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c6f240b42.op3
 TOSCA Magnetostatic
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 3341264 elements
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FIELD EVALUATIONS

Cartesian	CARTESIAN	300x300	Cartesian
(nodal)			
x=6106.0	y=-2370.0	to z=20000.0	to
	6545.4	-20000.0	

Opera

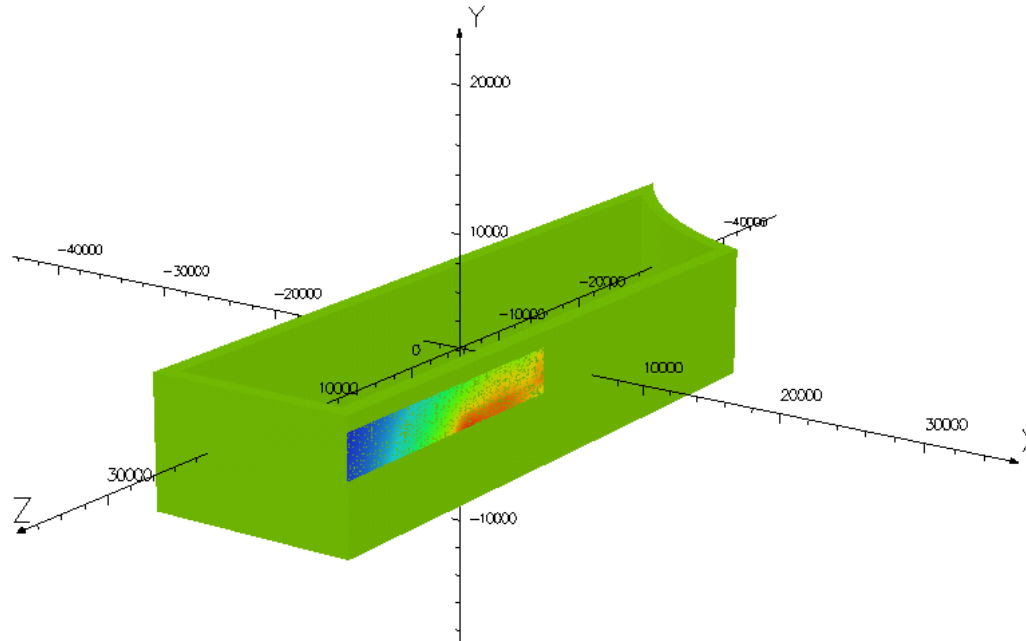
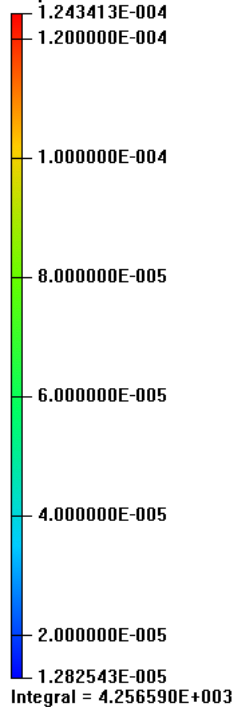


Phase VI, Flip mode, TRD data, 240MeV/c, Beta 42cm



10/Jul/2011 11:57:59

Map contours: BMOD



ISIS CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c6f240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3341264 elements
2319728 nodes
18 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN 300x100	Cartesian
x=6106.0	y=2505.0 to 5505.0	z=20995.0 to 400.0

Opera

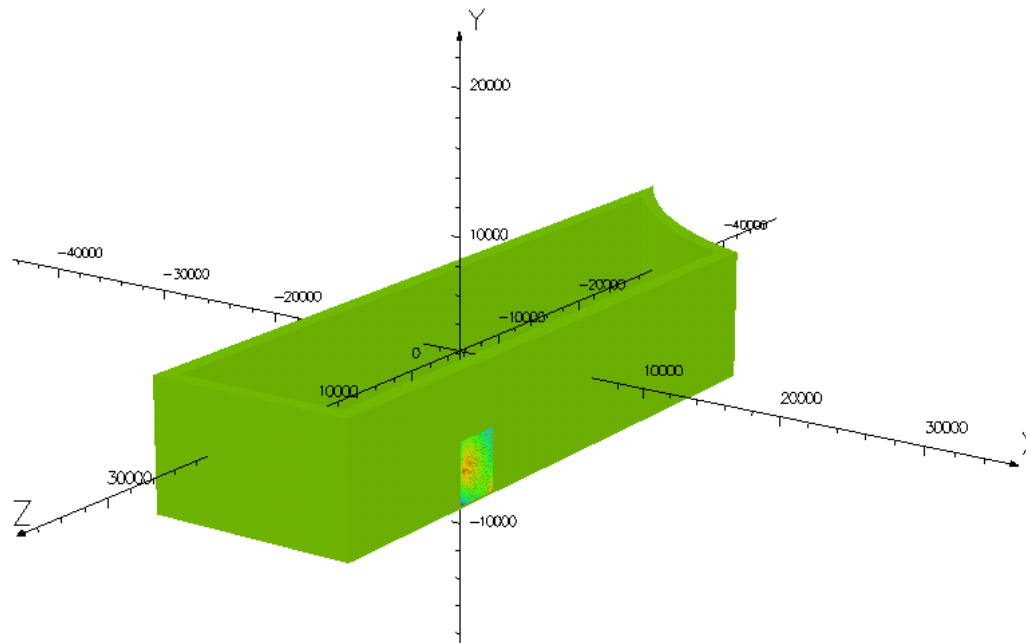
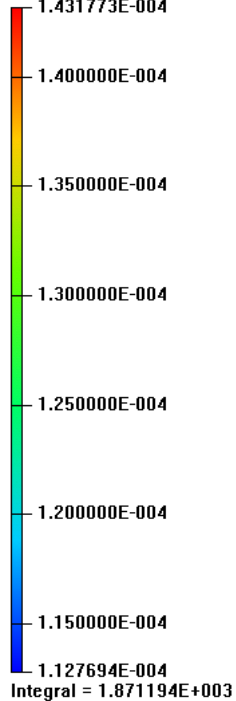


Phase VI, Flip mode, TRD data, 240MeV/c, Beta 42cm



10/Jul/2011 11:57:56

Map contours: BMOD
1.431773E-004



MICE CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c6f240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3341264 elements
2319728 nodes
18 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN	100x100	Cartesian
	(nodal)		
	x=6106.0	y=-2185.0 to 1975.0	z=9541.0 to 6096.0

Opera

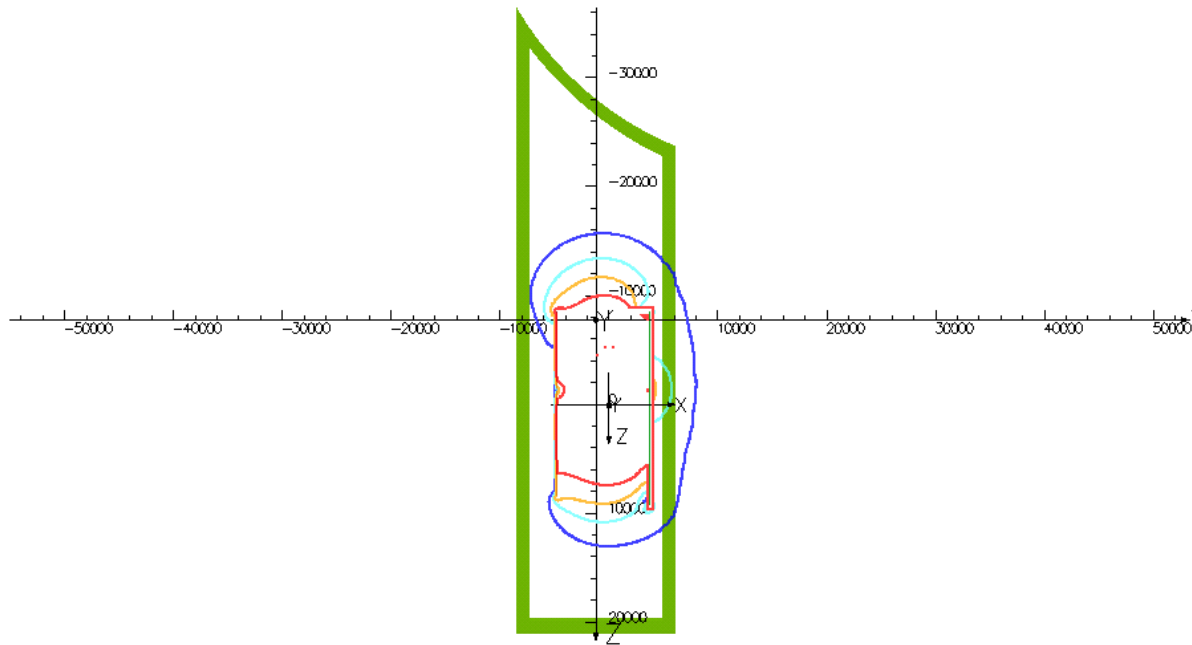


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Facilities Council

Phase V, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

11/Jul/2011 00:34:36

XY plane at Z=0 50 gauss contour in red - 20 gauss contour in orange - 10 gauss contour in mag

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c5s240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3343977 elements
 2323145 nodes
 15 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

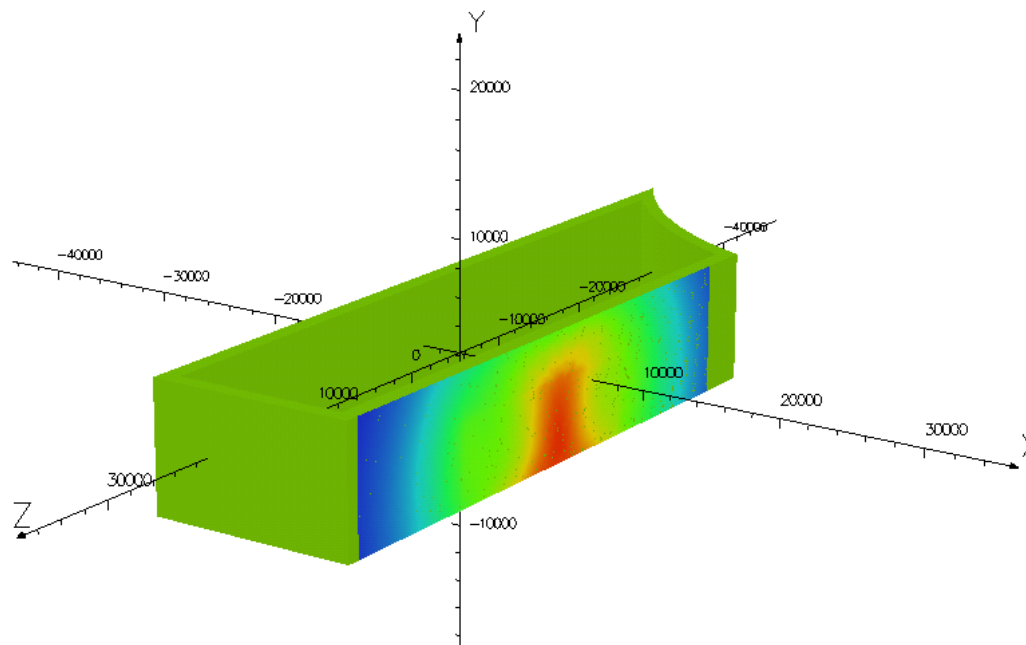
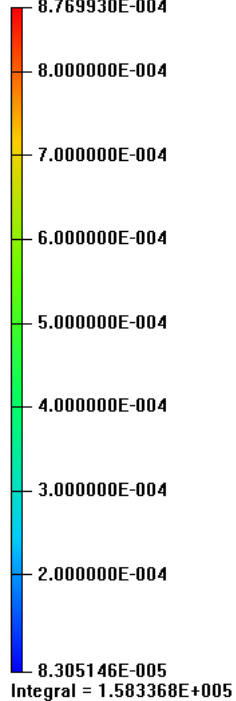
Cartesian CARTESIAN 100x100 Cartesian
 (nodal)
 x=-12000.0 to y=0.0 z=-18000.0 to
 12000.0 18000.0

Opera



Phase V, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

11/Jul/2011 00:34:58

Map contours: BMOD
8.769930E-004

contour map along wall on control

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c5s240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3343977 elements
2323145 nodes
15 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN	300x300	Cartesian
(nodal)			
x=6106.0	y=-2370.0 to z=20000.0 to		
	6545.4		-20000.0

Opera



Phase V, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

11/Jul/2011 00:36:38

Map contours: BMOD
7.794281E-004

7.000000E-004

6.000000E-004

5.000000E-004

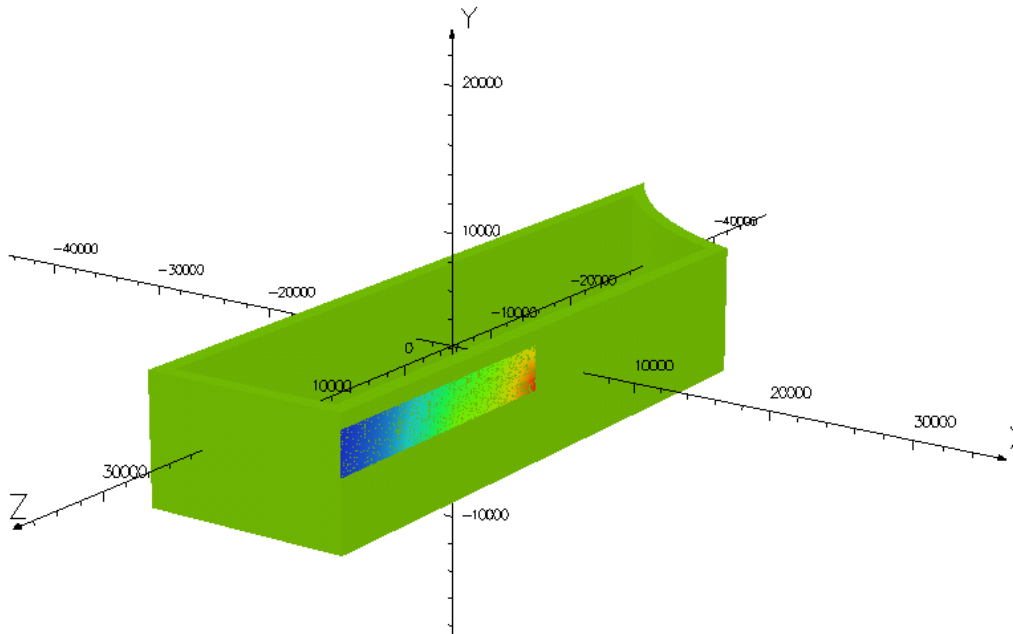
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3.000000E-004

2.000000E-004

7.629919E-005

Integral = 2.226172E+004



ISIS CONTROL ROOM V

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c5s240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3343977 elements
 2323145 nodes
 15 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	300x100	Cartesian
x=6106.0	y=2505.0 to 5505.0		z=20995.0 to 400.0

Opera



Phase V, Solenoid mode, TRD data, 240MeV/c, Beta 42cm



11/Jul/2011 00:36:36

Map contours: BMOD
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5.800000E-004

5.600000E-004

5.400000E-004

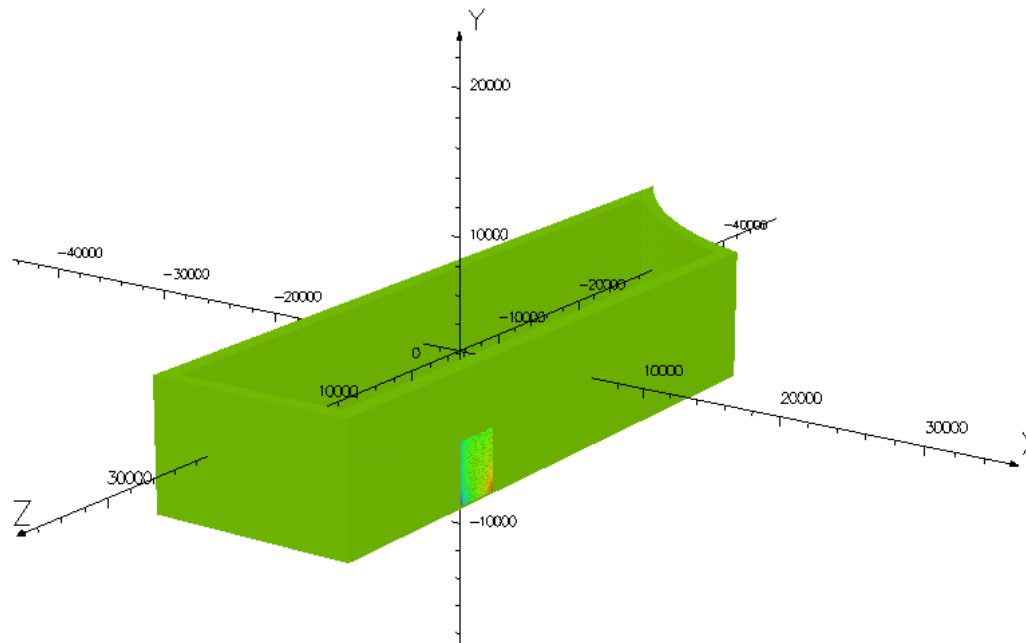
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5.000000E-004

4.800000E-004

4.657934E-004

Integral = 7.678384E+003



MICE CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c5s240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3343977 elements
2323145 nodes
15 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	100x100	Cartesian
x=6106.0	y=-2185.0 to 1975.0	z=9541.0 to 6096.0	

Opera

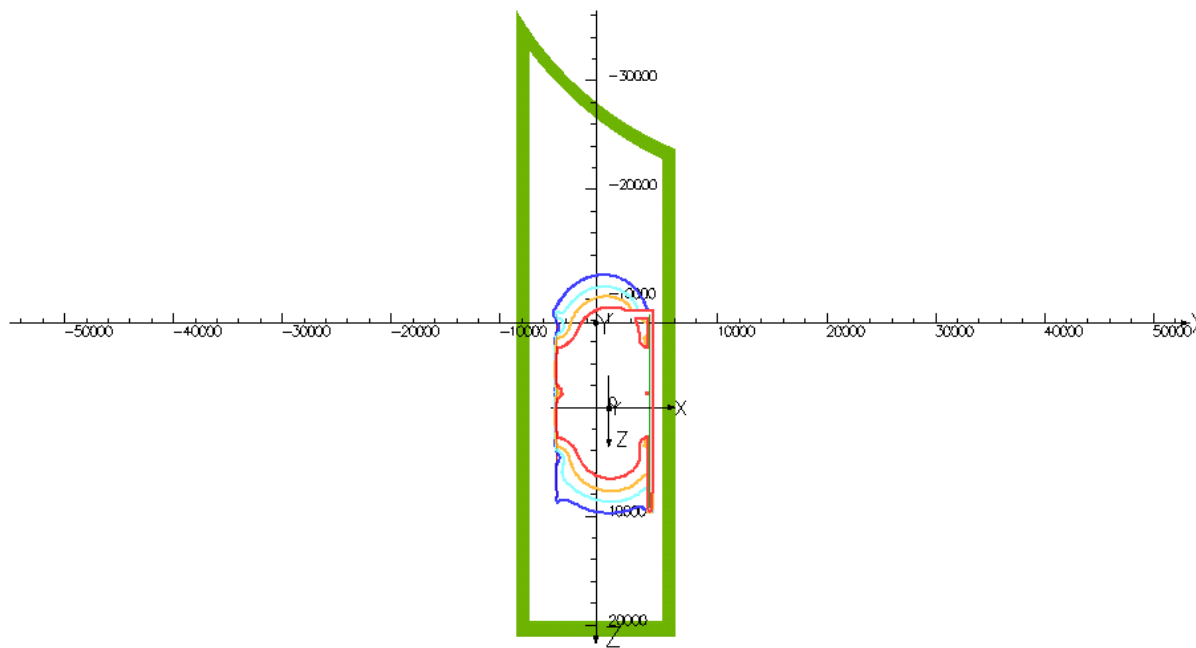




Phase V, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 12:03:45

XY plane at Z=0 50 gauss contour in red - 20 gauss contour in orange - 10 gauss contour in mag

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

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Field Point Local Coordinates

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FIELD EVALUATIONS

Cartesian CARTESIAN 100x100 Cartesian
 (nodal)
 x=-12000.0 to y=0.0 z=-18000.0 to
 12000.0 18000.0

Opera



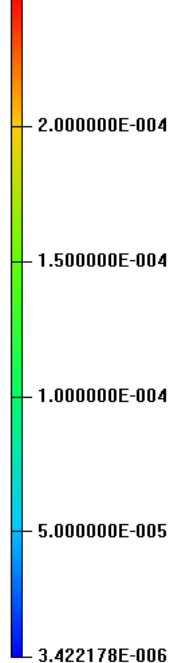


Phase V, Flip mode, TRD data, 240MeV/c, Beta 42cm

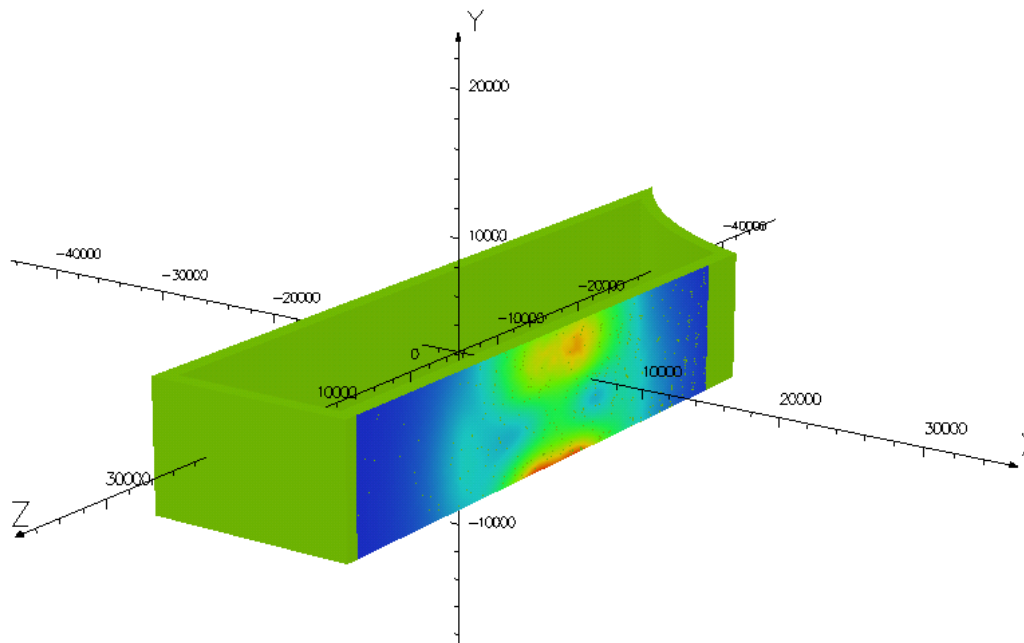
10/Jul/2011 12:04:08

Map contours: BMOD

2.496848E-004



Integral = 2.236194E+004



contour map along wall on control

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

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Nonlinear materials
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3343977 elements
2323145 nodes
15 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN (nodal)	300x300	Cartesian
	x=6106.0	y=-2370.0 to 6545.4	z=20000.0 to -20000.0

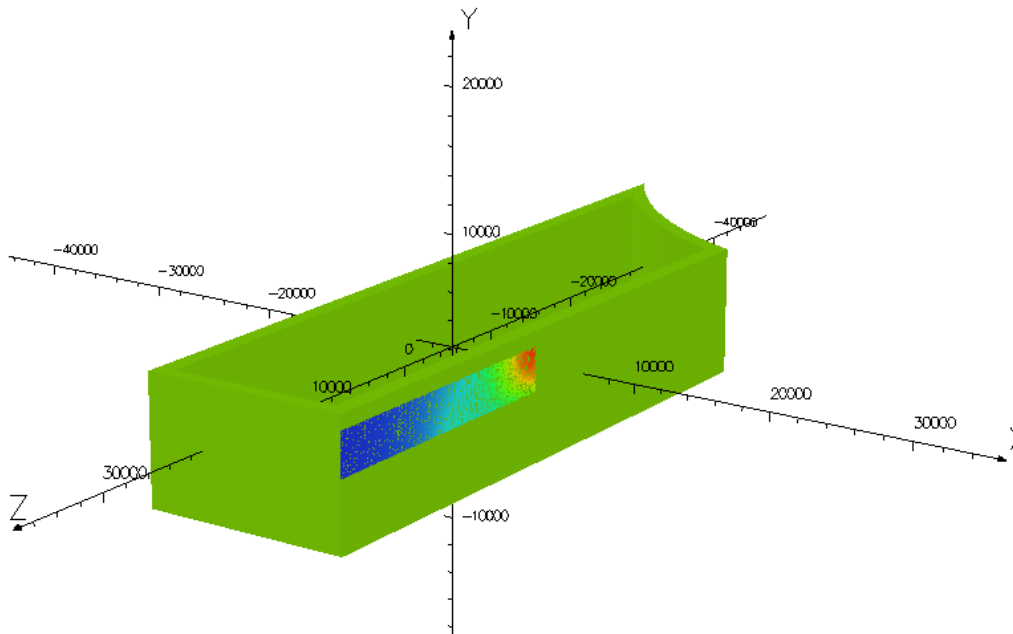
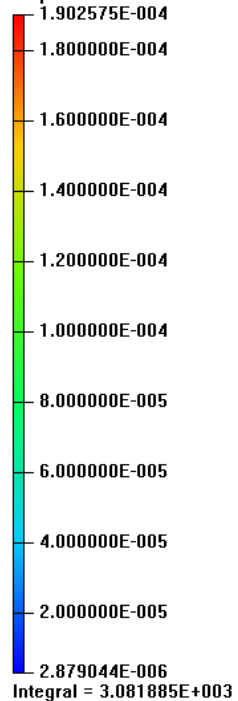
Opera



Phase V, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 12:10:10

Map contours: BMOD



ISIS CONTROL ROOM V

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

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Opera



Phase V, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 12:10:08

Map contours: BMOD
6.833820E-005

6.500000E-005

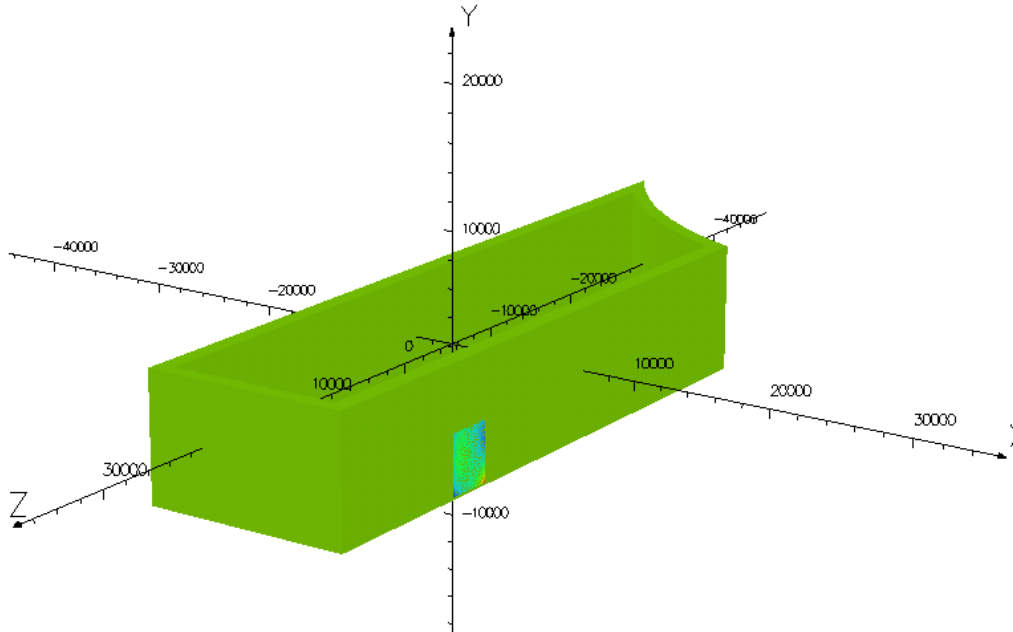
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5.500000E-005

5.000000E-005

4.579971E-005

Integral = 7.599559E+002



MICE CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
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Force	N
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Mass	kg

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x=6106.0	y=-2185.0 to 1975.0	z=9541.0 to 6096.0	

Opera

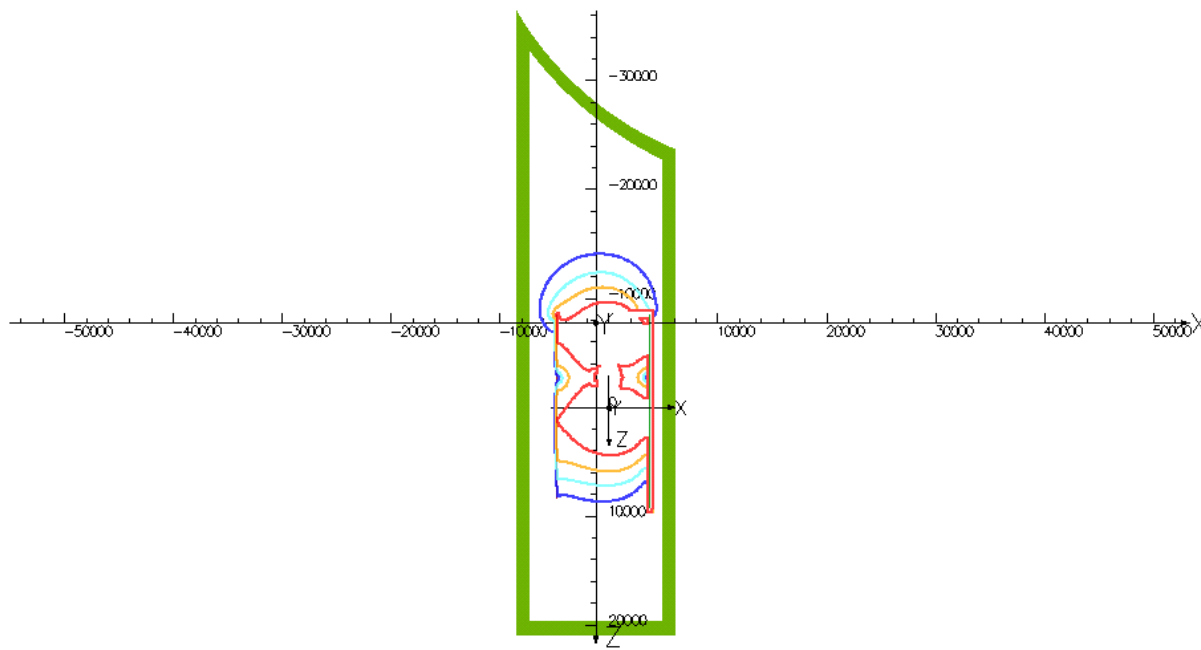




Phase IV, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:09:56

XY plane at Z=0 50 gauss contour in red - 20 gauss contour in orange - 10 gauss contour in mag

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4s240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3345939 elements
 2325857 nodes
 12 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian CARTESIAN 100x100 Cartesian
 (nodal)
 x=-12000.0 to y=0.0 z=-18000.0 to
 12000.0 18000.0

Opera



Phase IV, Solenoid mode, TRD data, 240MeV/c, Beta 42cm



10/Jul/2011 11:10:22

Map contours: BMOD

2.125625E-004

2.000000E-004

1.800000E-004

1.600000E-004

1.400000E-004

1.200000E-004

1.000000E-004

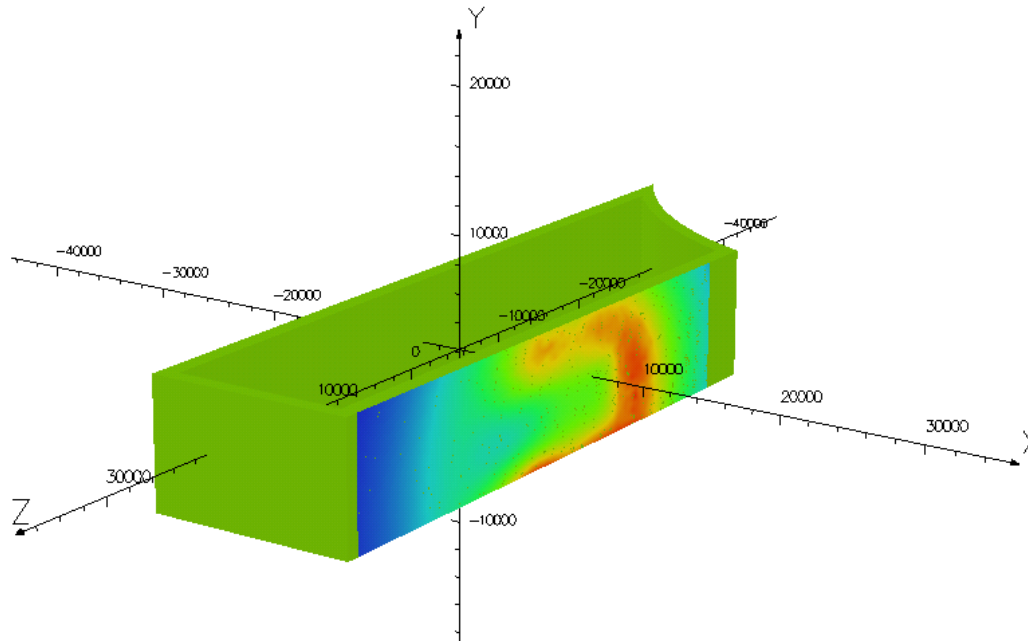
8.000000E-005

6.000000E-005

4.000000E-005

2.294740E-005

Integral = 4.021769E+004



contour map along wall on control

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4s240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3345939 elements
 2325857 nodes
 12 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

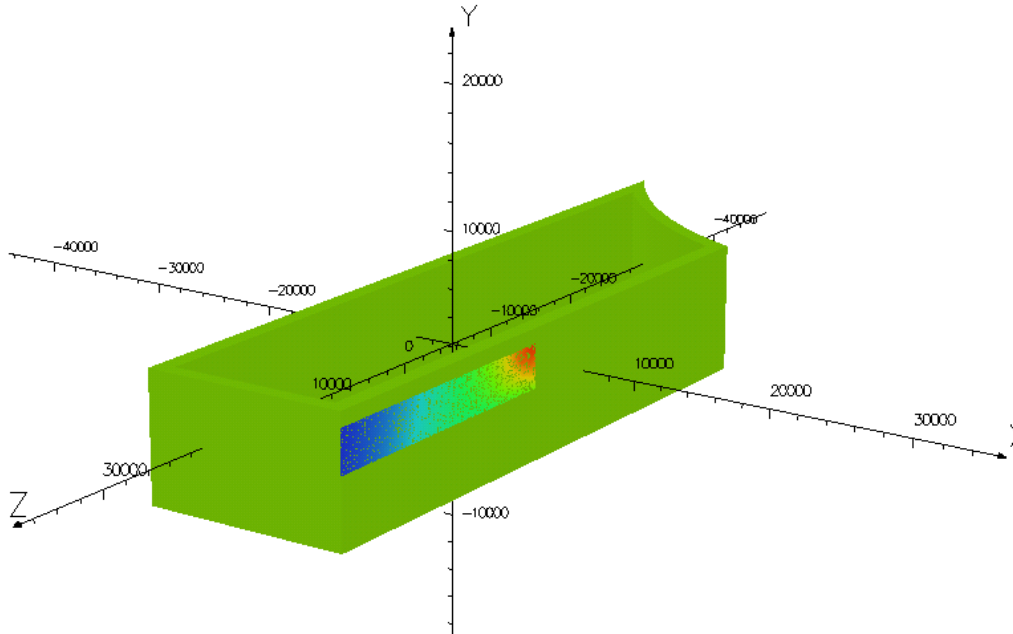
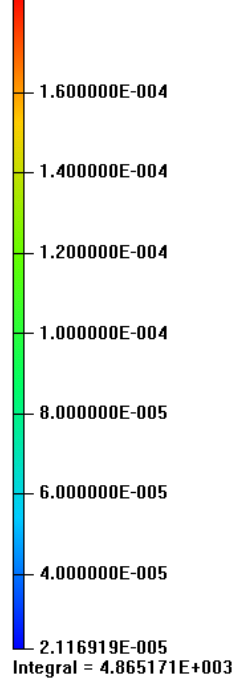
Cartesian	CARTESIAN	300x300	Cartesian
	(nodal)		
x=6106.0		y=-2370.0 to z=20000.0 to	
		6545.4	-20000.0

Opera



Phase IV, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:12:45

Map contours: BMOD
1.856120E-004

ISIS CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4s240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3345939 elements
2325857 nodes
12 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	300x100	Cartesian
x=6106.0	y=2505.0 to 5505.0		z=20995.0 to 400.0

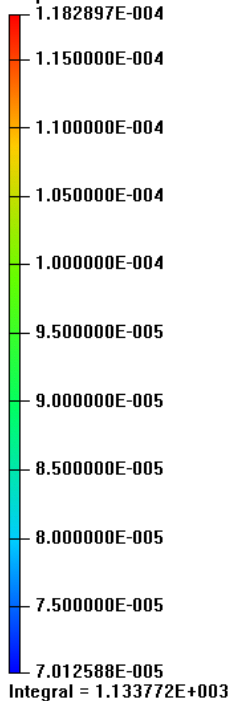
Opera



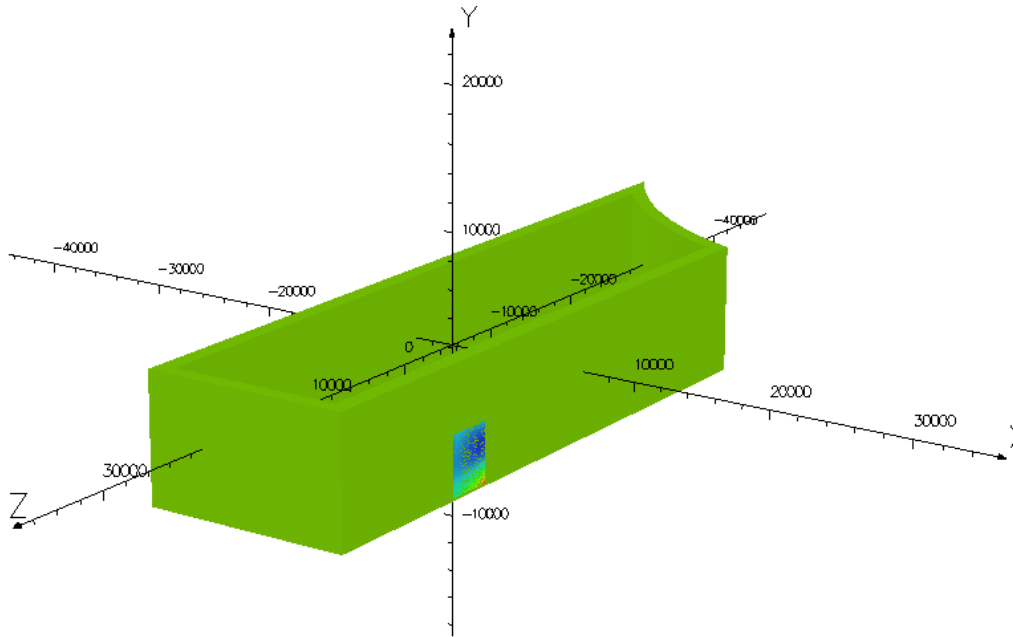
Phase IV, Solenoid mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:12:42

Map contours: BMOD



Integral = 1.133772E+003



MICE CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4s240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3345939 elements
2325857 nodes
12 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	100x100	Cartesian
x=6106.0	y=-2185.0 to 1975.0	z=9541.0 to 6096.0	

Opera

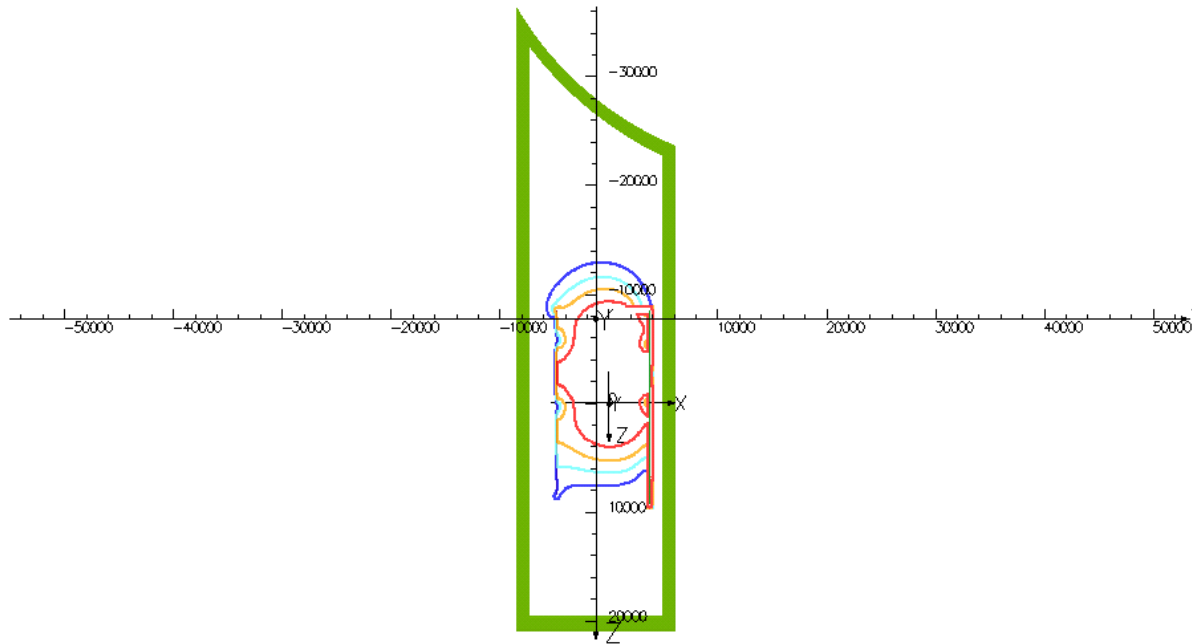




Phase IV, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:15:36

XY plane at Z=0 50 gauss contour in red - 20 gauss contour in orange - 10 gauss contour in mag

**UNITS**

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4f240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3345939 elements
 2325857 nodes
 12 conductors
 Nodally interpolated fields
 Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian	CARTESIAN	100x100 Cartesian
(nodal)		
	x=-12000.0 to y=0.0	z=-18000.0 to 18000.0
	12000.0	

Opera





Phase IV, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:15:58

contour map along wall on control

Map contours: BMOD

1.495014E-004

1.400000E-004

1.200000E-004

1.000000E-004

8.000000E-005

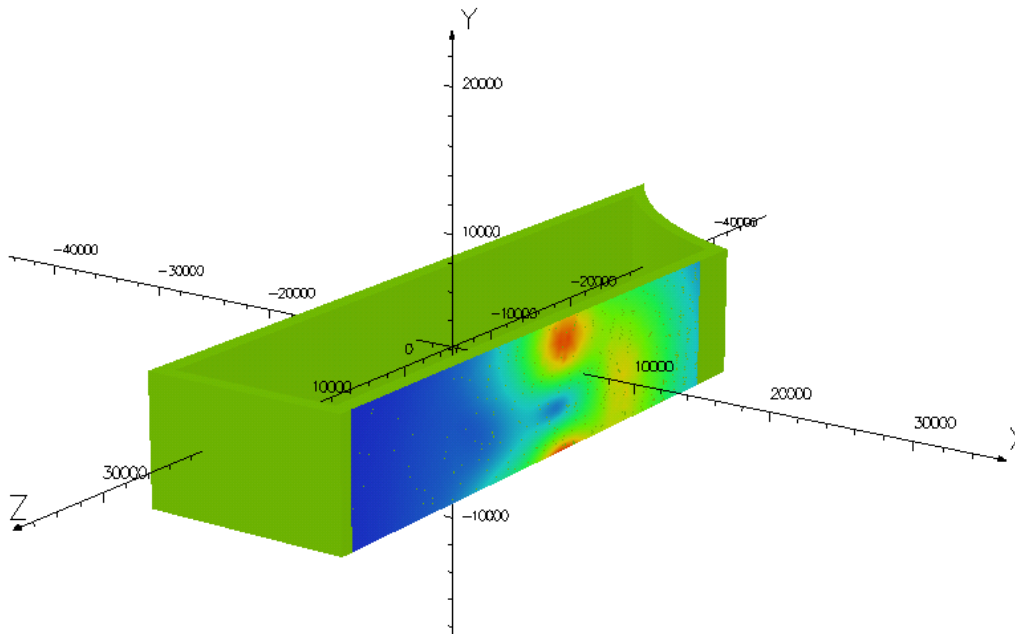
6.000000E-005

4.000000E-005

2.000000E-005

1.777431E-006

Integral = 1.680659E+004



UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻²
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4f240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3345939 elements
2325857 nodes
12 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	300x300	Cartesian
x=6106.0	y=-2370.0 to	z=20000.0 to	
	6545.4	-20000.0	

Opera

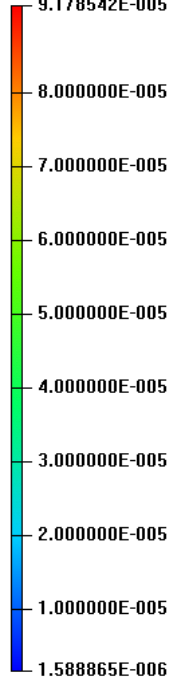




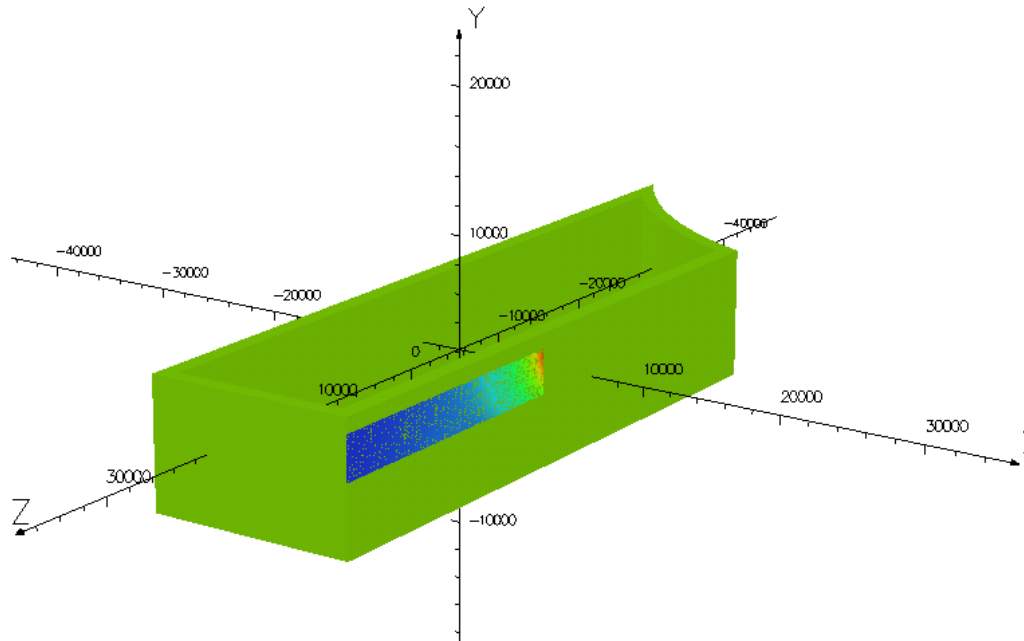
Phase IV, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:18:07

Map contours: BMOD
9.178542E-005



Integral = 1.024307E+003



ISIS CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4f240b42.op3
TOSCA Magnetostatic
Nonlinear materials
Simulation No 1 of 1
3345939 elements
2325857 nodes
12 conductors
Nodally interpolated fields
Activated in global coordinates

Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	300x100	Cartesian
x=6106.0	y=2505.0 to z=20995.0		5505.0 400.0

Opera



Science & Technology
Facilities Council



Phase IV, Flip mode, TRD data, 240MeV/c, Beta 42cm

10/Jul/2011 11:18:05

MICE CONTROL ROOM

UNITS

Length	mm
Magn Flux Density	T
Magn Field	A m ⁻¹
Magn Scalar Pot	A
Magn Vector Pot	Wb m ⁻¹
Elec Flux Density	C m ⁻²
Elec Field	V m ⁻¹
Conductivity	S mm ⁻¹
Current Density	A mm ⁻²
Power	W
Force	N
Energy	J
Mass	kg

MODEL DATA

model_xt25c4f240b42.op3
 TOSCA Magnetostatic
 Nonlinear materials
 Simulation No 1 of 1
 3345939 elements
 2325857 nodes
 12 conductors
 Nodally interpolated fields
 Activated in global coordinates

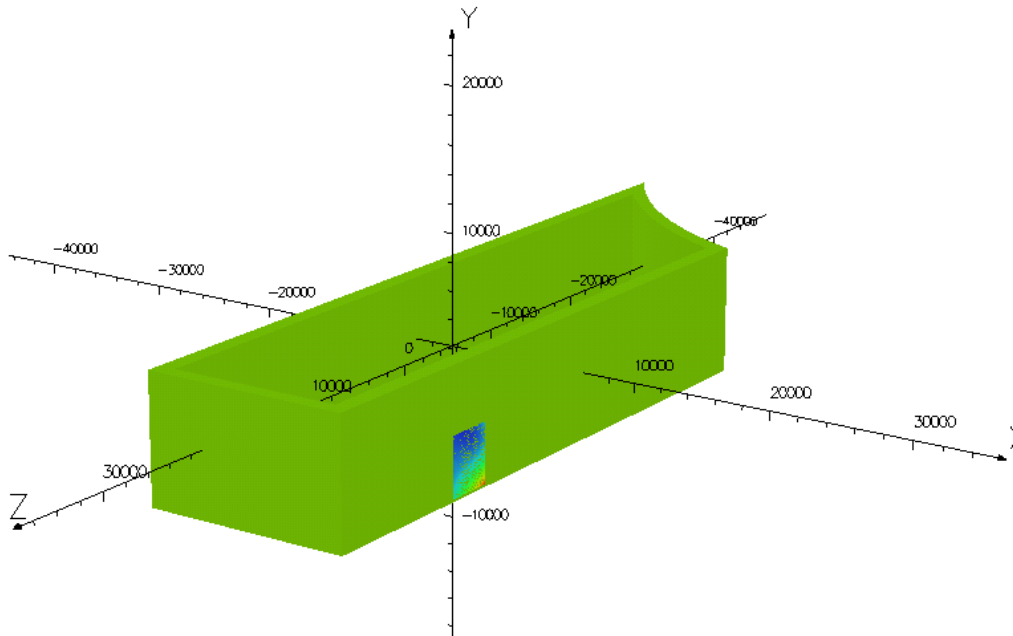
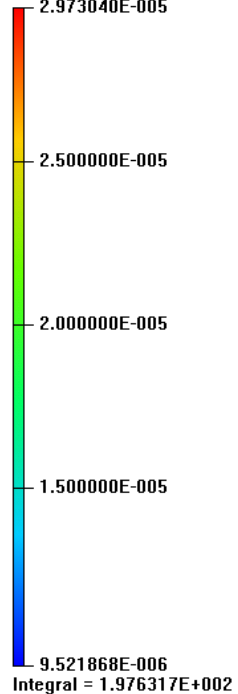
Field Point Local Coordinates

Local = Global

FIELD EVALUATIONS

Cartesian (nodal)	CARTESIAN	100x100	Cartesian
x=6106.0	y=-2185.0 to z=9541.0 to 1975.0		6096.0

Map contours: BMOD
 2.973040E-005



Opera

