



# Exploration of non-resonant/chaotic divertor configurations at W7-X

R. Davies<sup>1</sup>, A. Kharwandikar<sup>1</sup>, K. Garcia<sup>2</sup>, D. Boeyaert<sup>2</sup>, J. Geiger<sup>1</sup>, O. Schmitz<sup>2</sup>, S. Henneberg<sup>1</sup>

<sup>1</sup>Max-Planck-Institut für Plasmaphysik, Greifswald, Germany

<sup>2</sup>University of Wisconsin-Madison, Madison, USA



EUROfusion

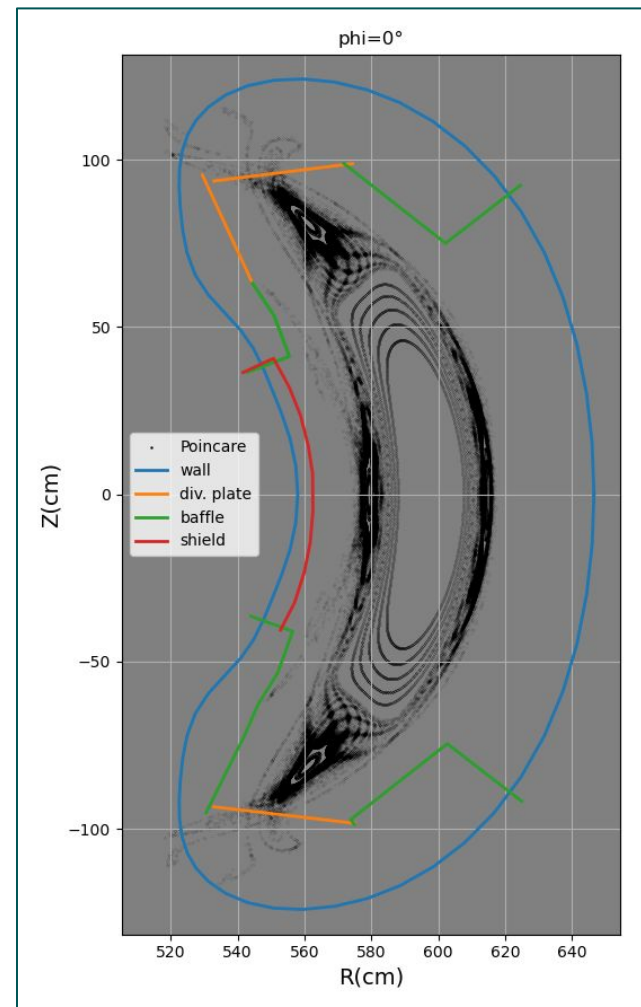
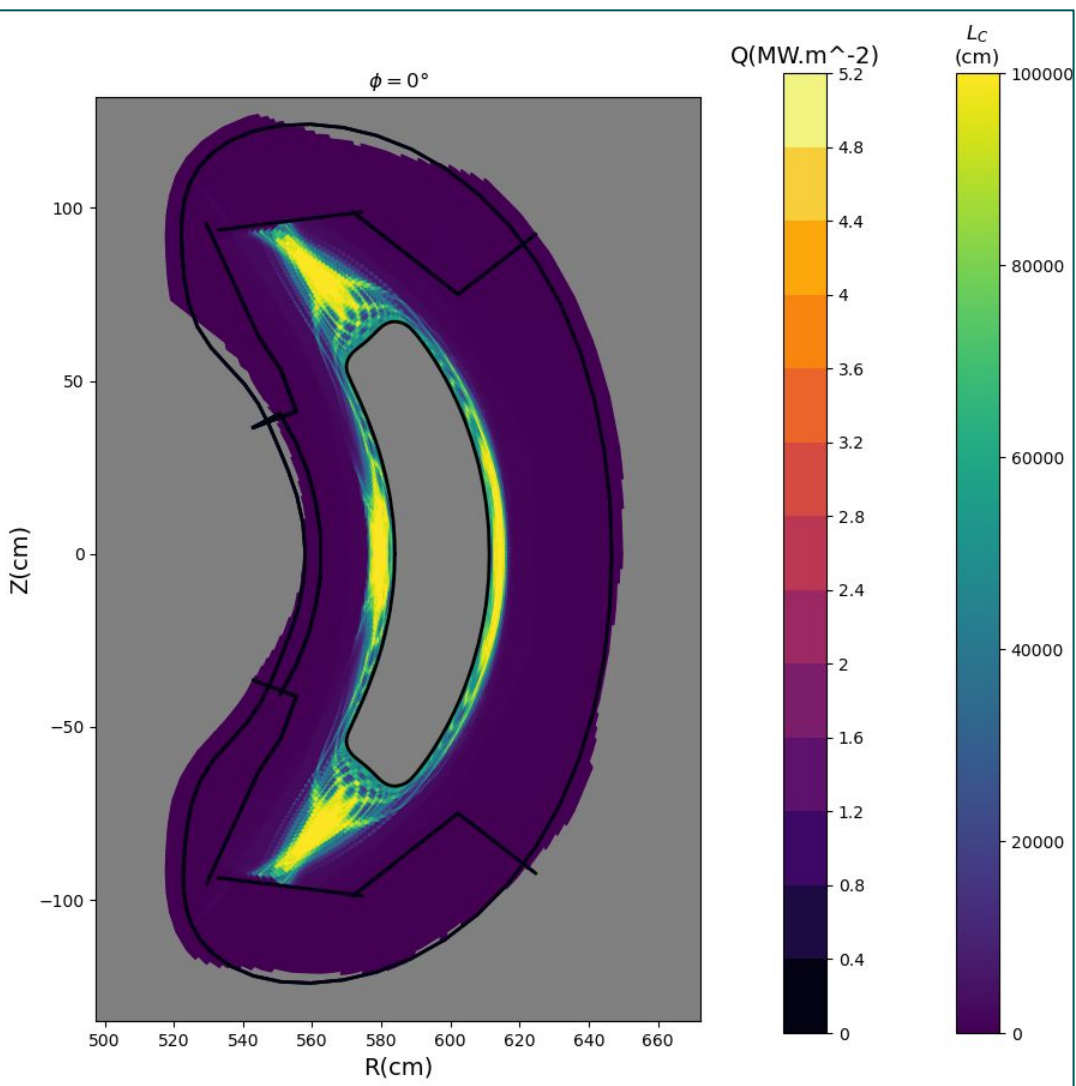


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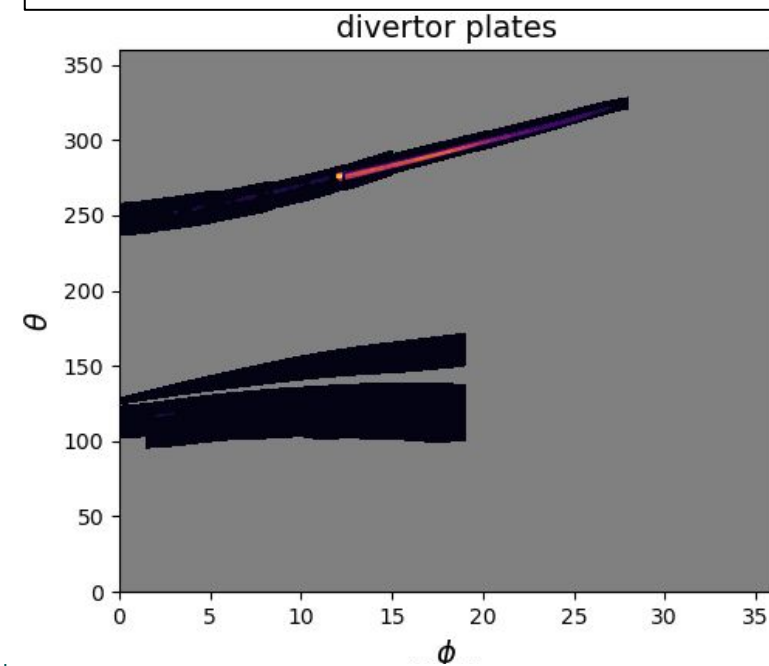
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email: [robert.davies@ipp.mpg.de](mailto:robert.davies@ipp.mpg.de)

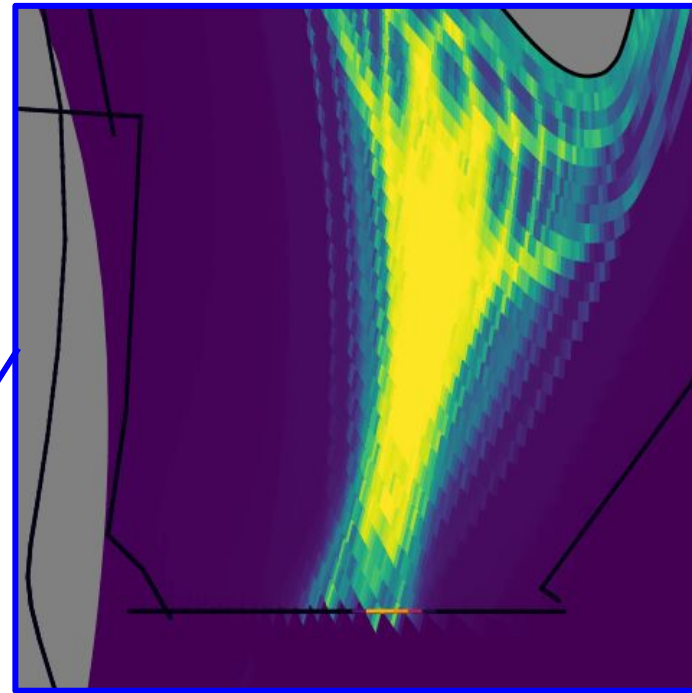
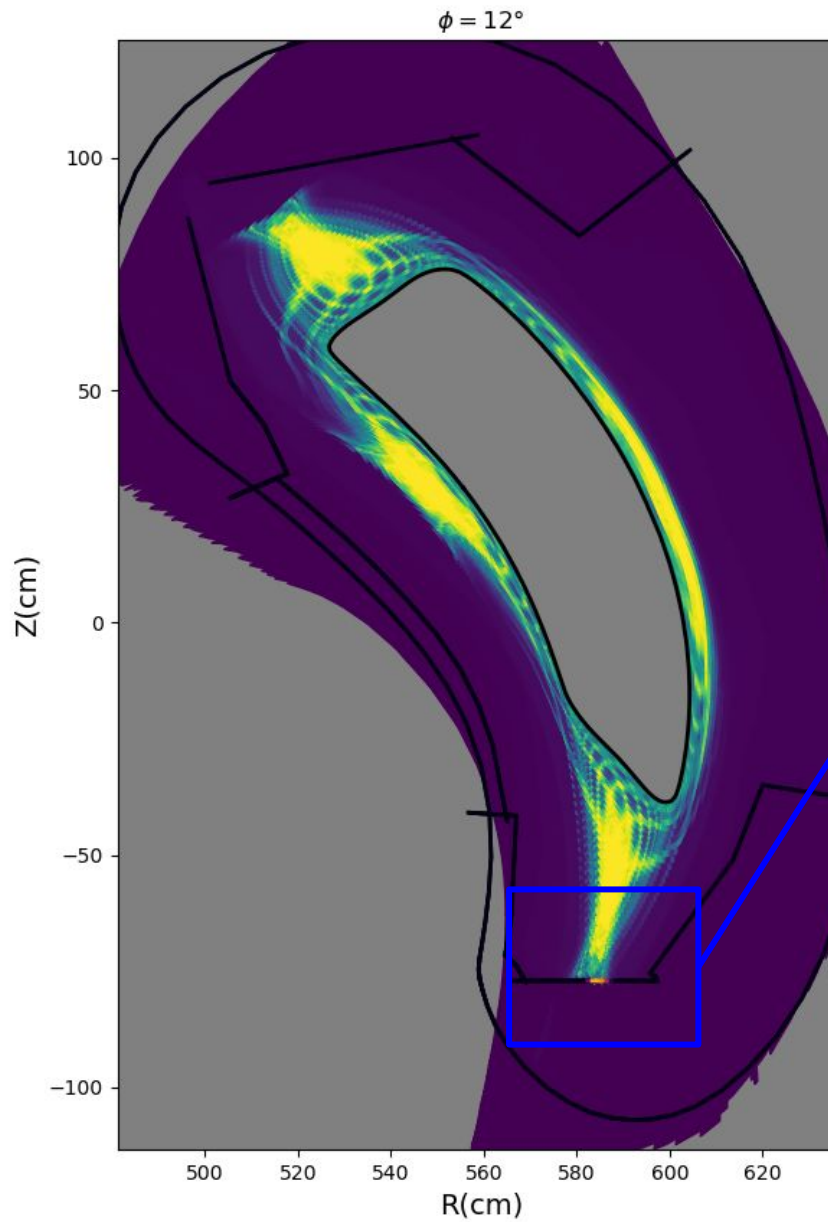
# Configuration “GYM000+1750”



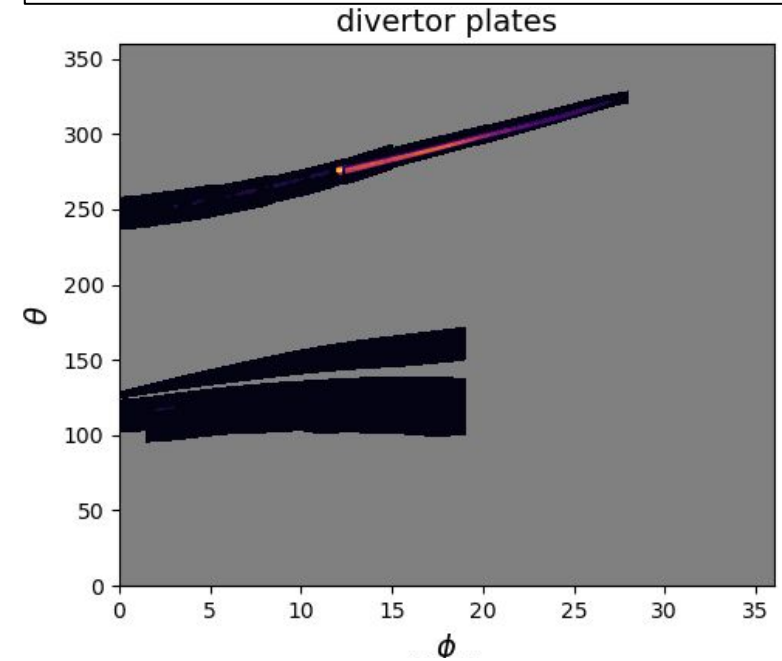
heat deposition in ( $\phi$ ,  $\theta$ )  
(EMC3-Lite)



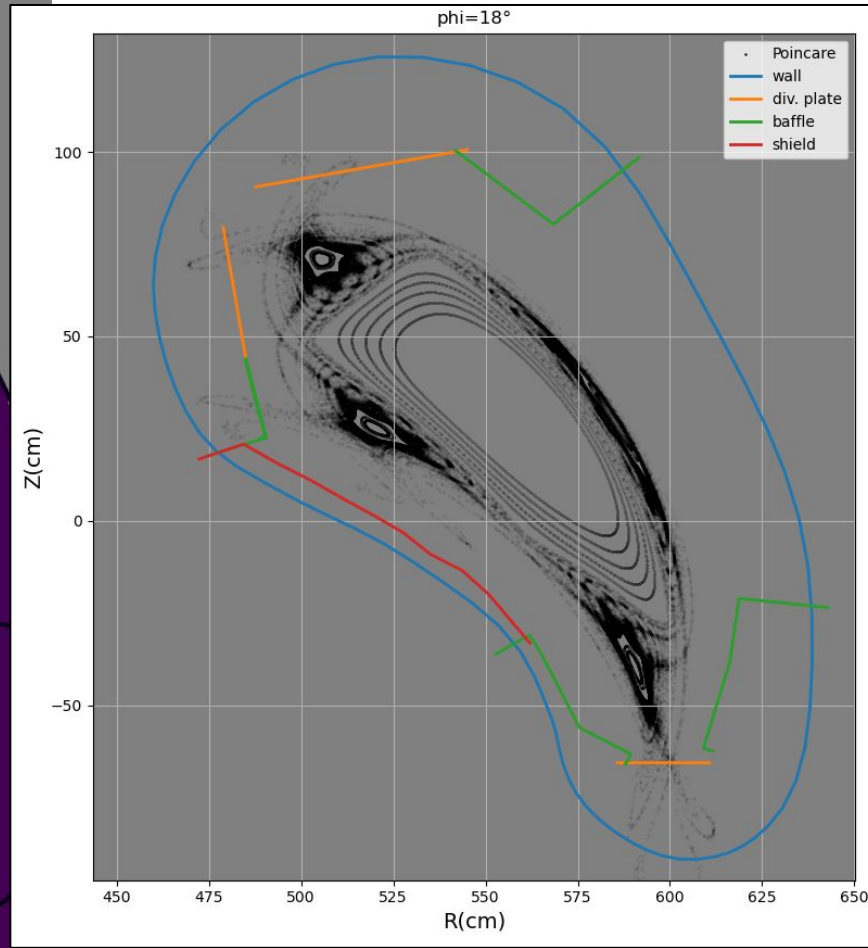
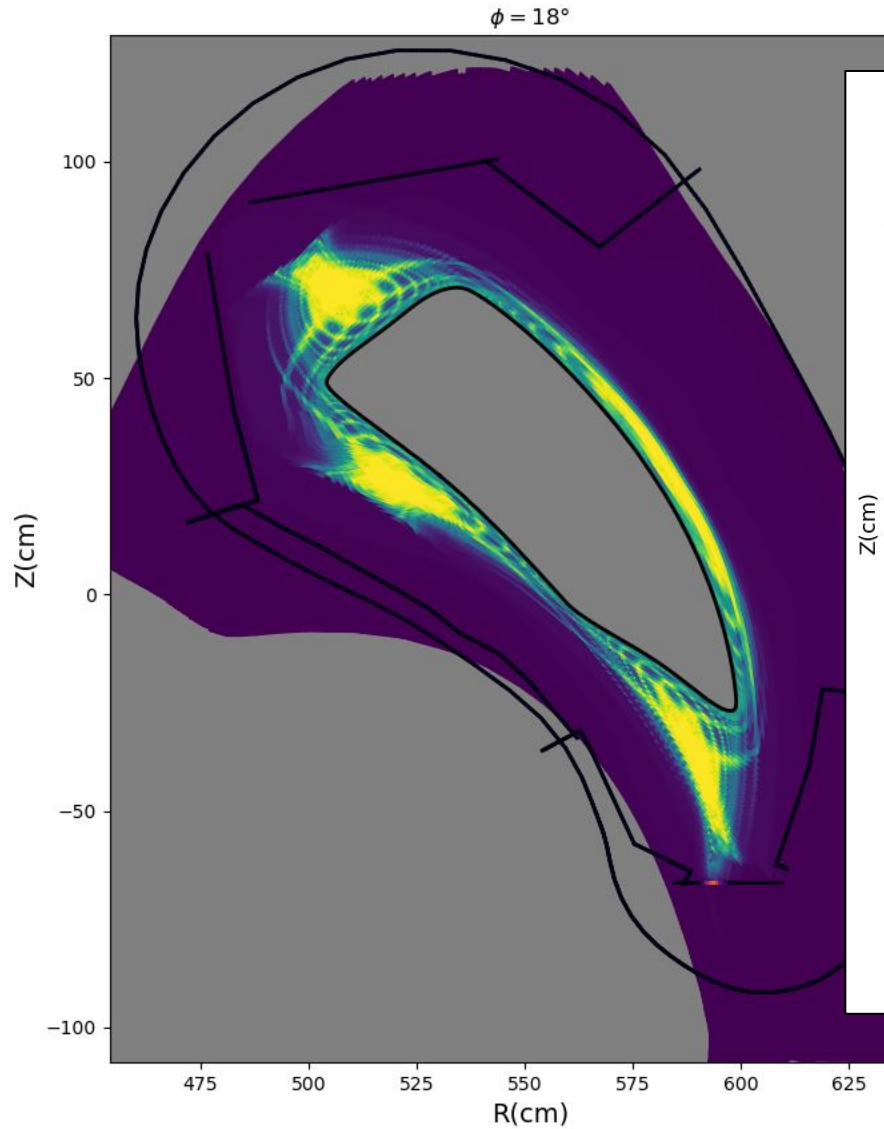
# Configuration “GYM000+1750”



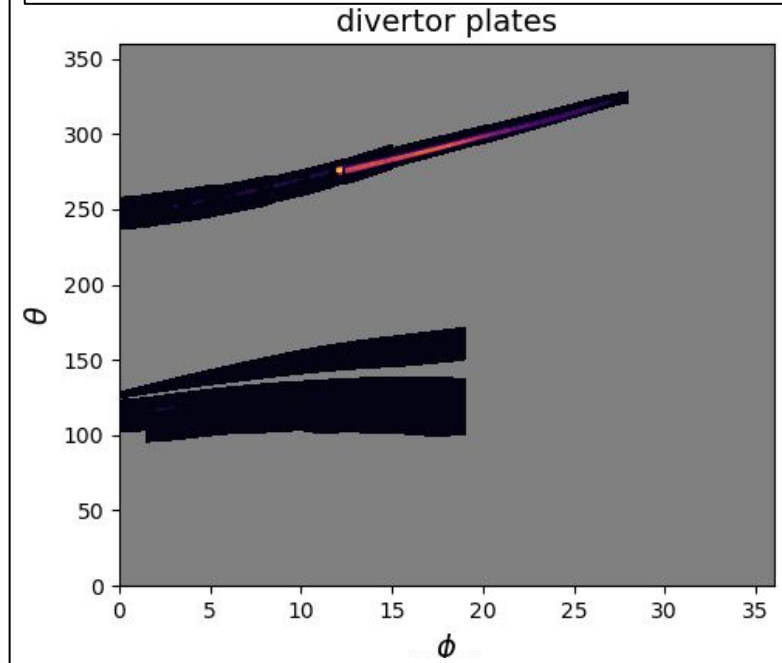
deposition in (phi, theta)  
(EMC3-Lite)



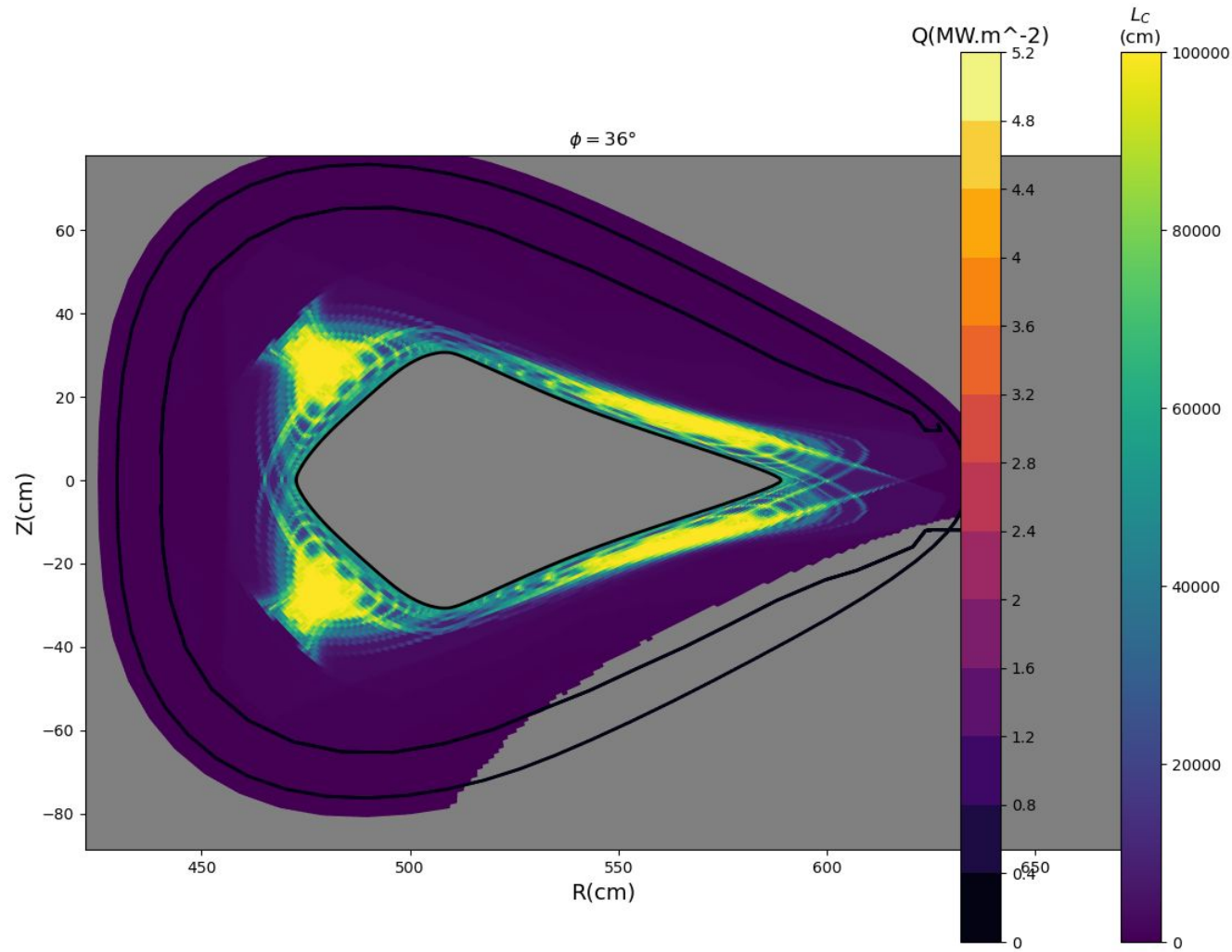
# Configuration “GYM000+1750”



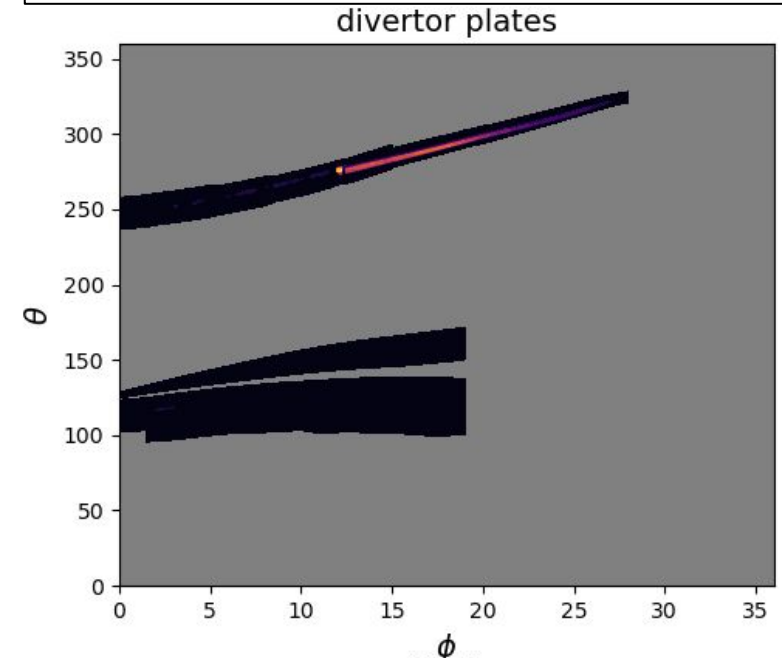
deposition in (phi, theta)  
(EMC3-Lite)



# Configuration “GYM000+1750”

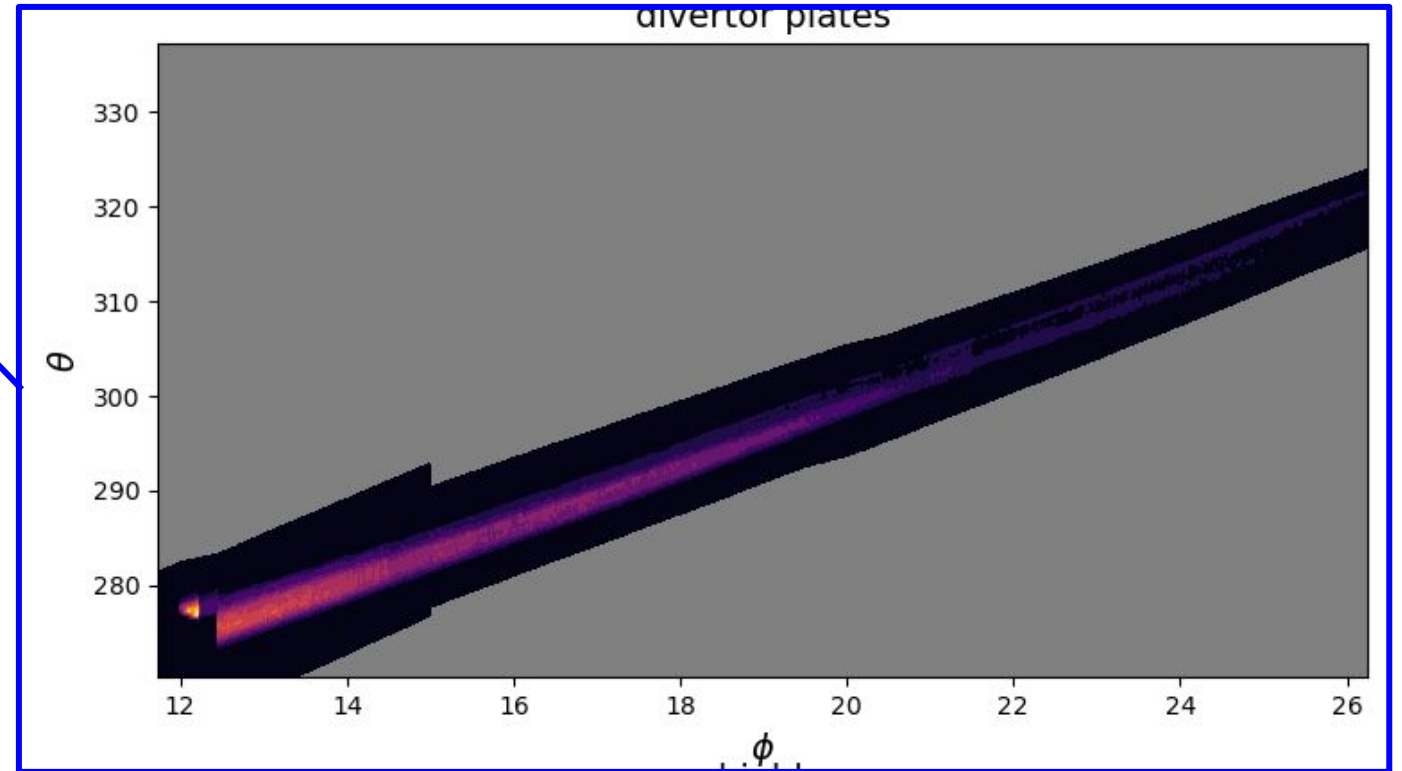
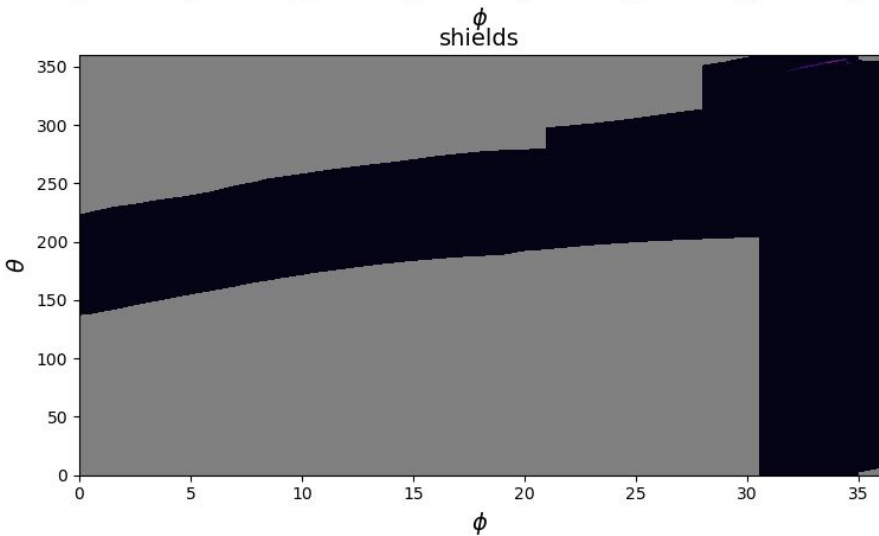
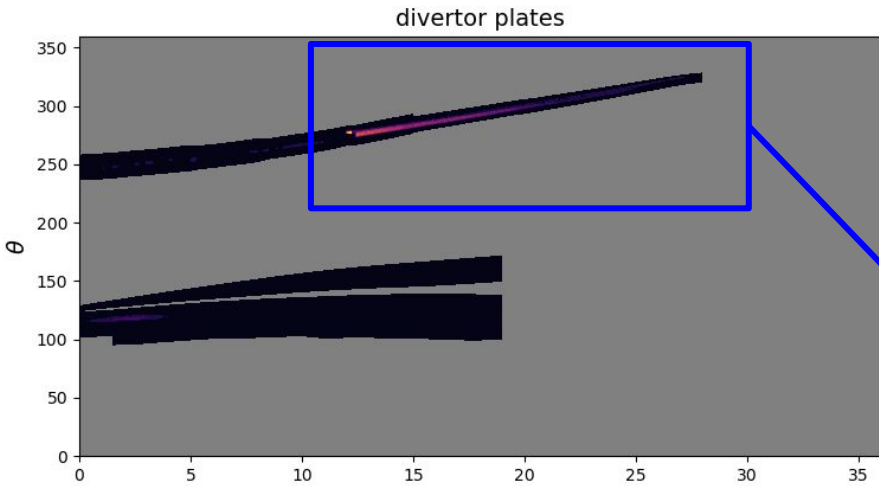


deposition in (phi, theta)  
(EMC3-Lite)





# Configuration “JYM000+1730”



## Config (filament currents):

Coil 1:  $0.92 * 1.109484\text{MA} = \mathbf{1.0207\text{MA}}$

Coil 2:  $1.12 * 1.109484\text{MA} = \mathbf{1.2426\text{MA}}$

Coil 3:  $1.12 * 1.109484\text{MA} = \mathbf{1.2426\text{MA}}$

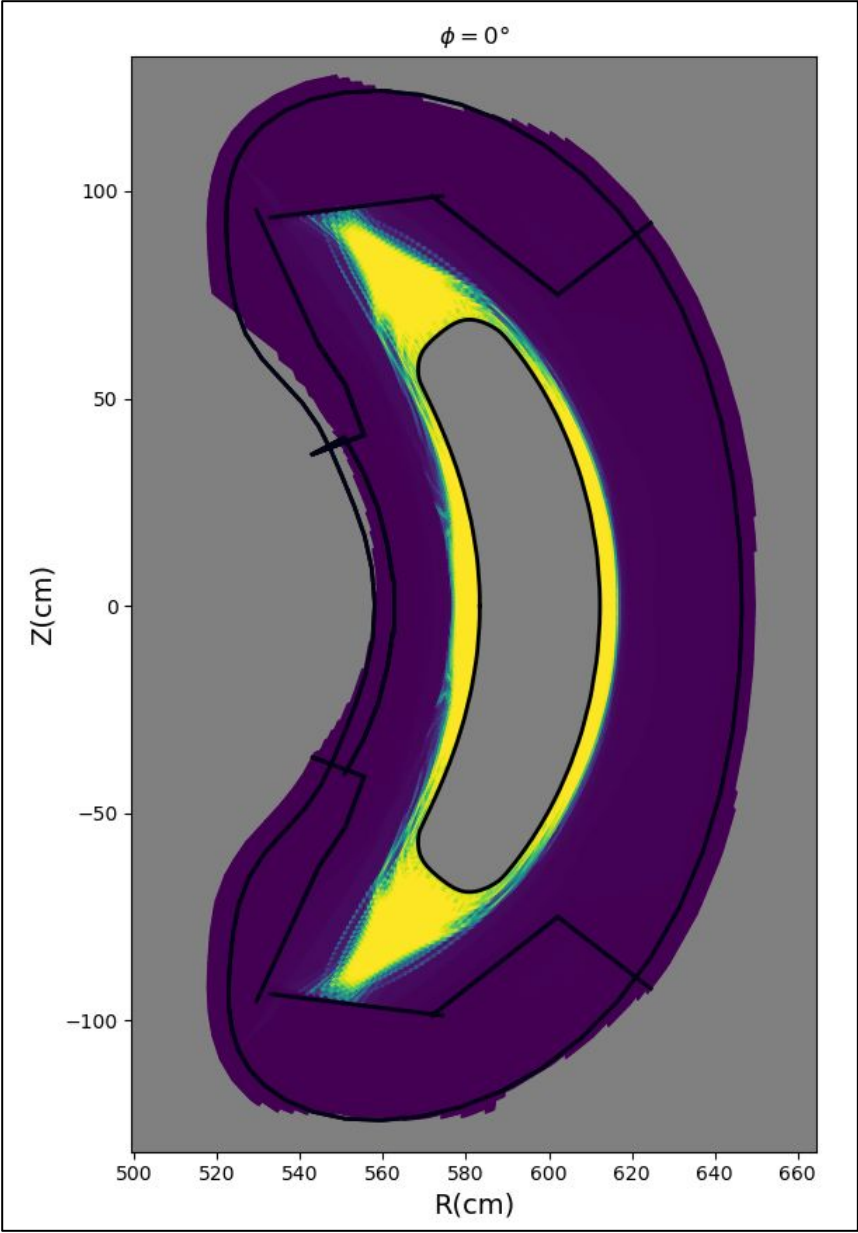
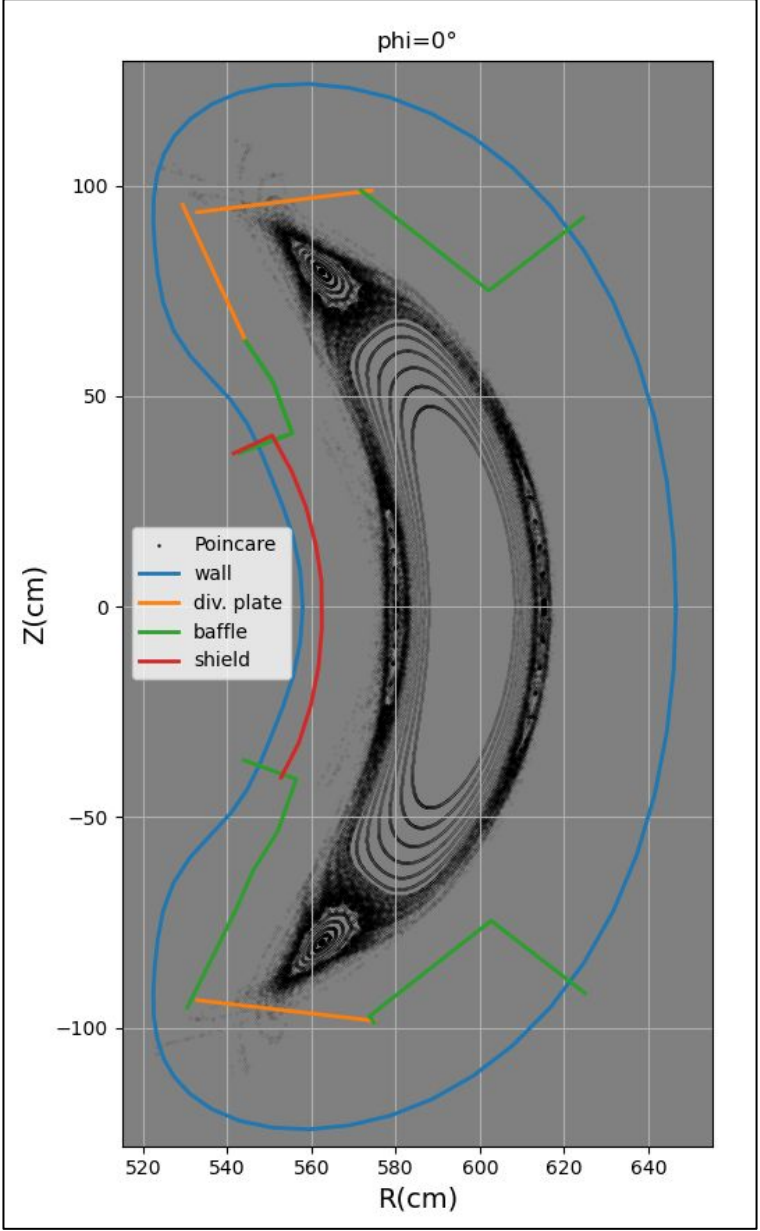
Coil 4:  $0.92 * 1.109484\text{MA} = \mathbf{1.0207\text{MA}}$

Coil 5:  $0.92 * 1.109484\text{MA} = \mathbf{1.0207\text{MA}}$

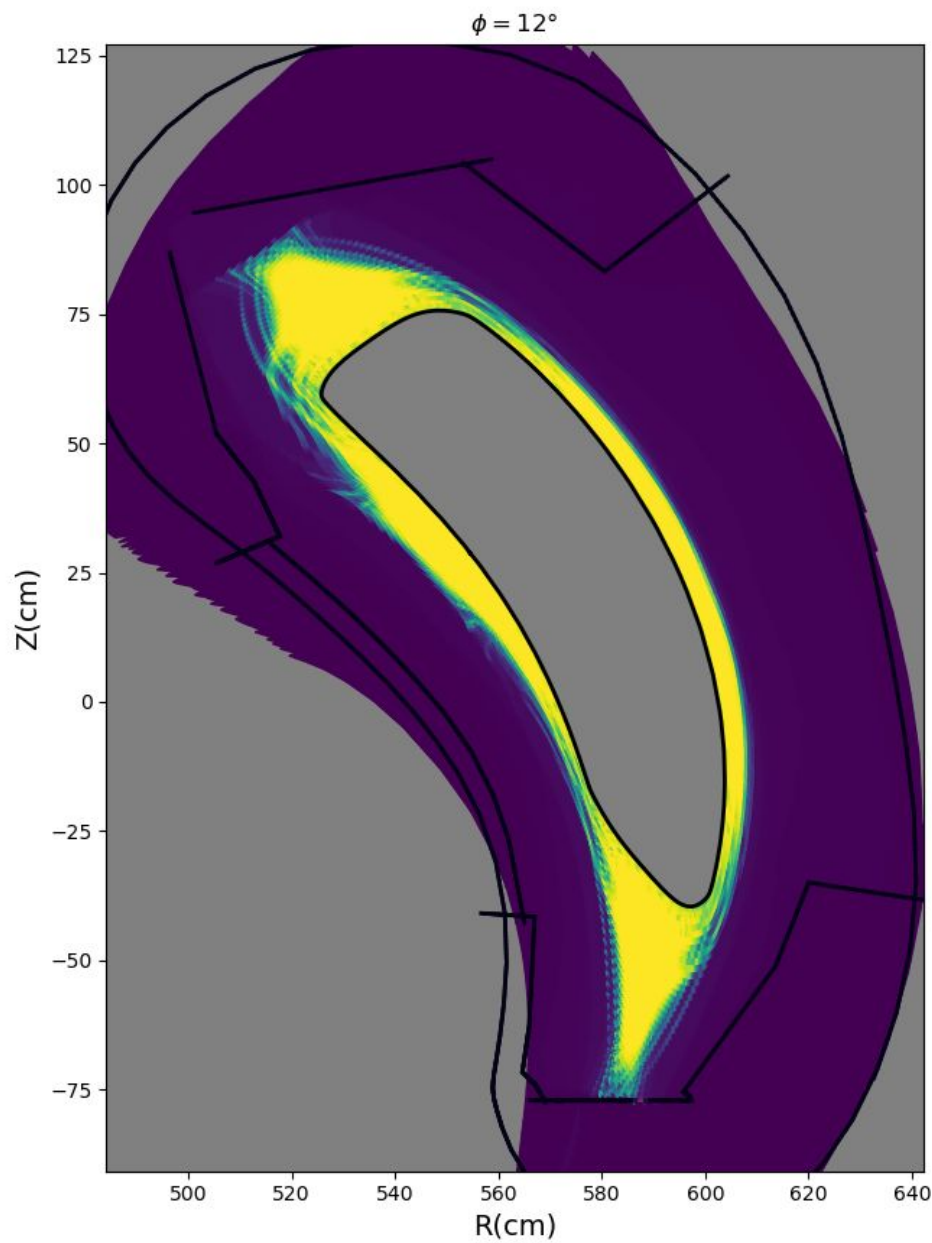
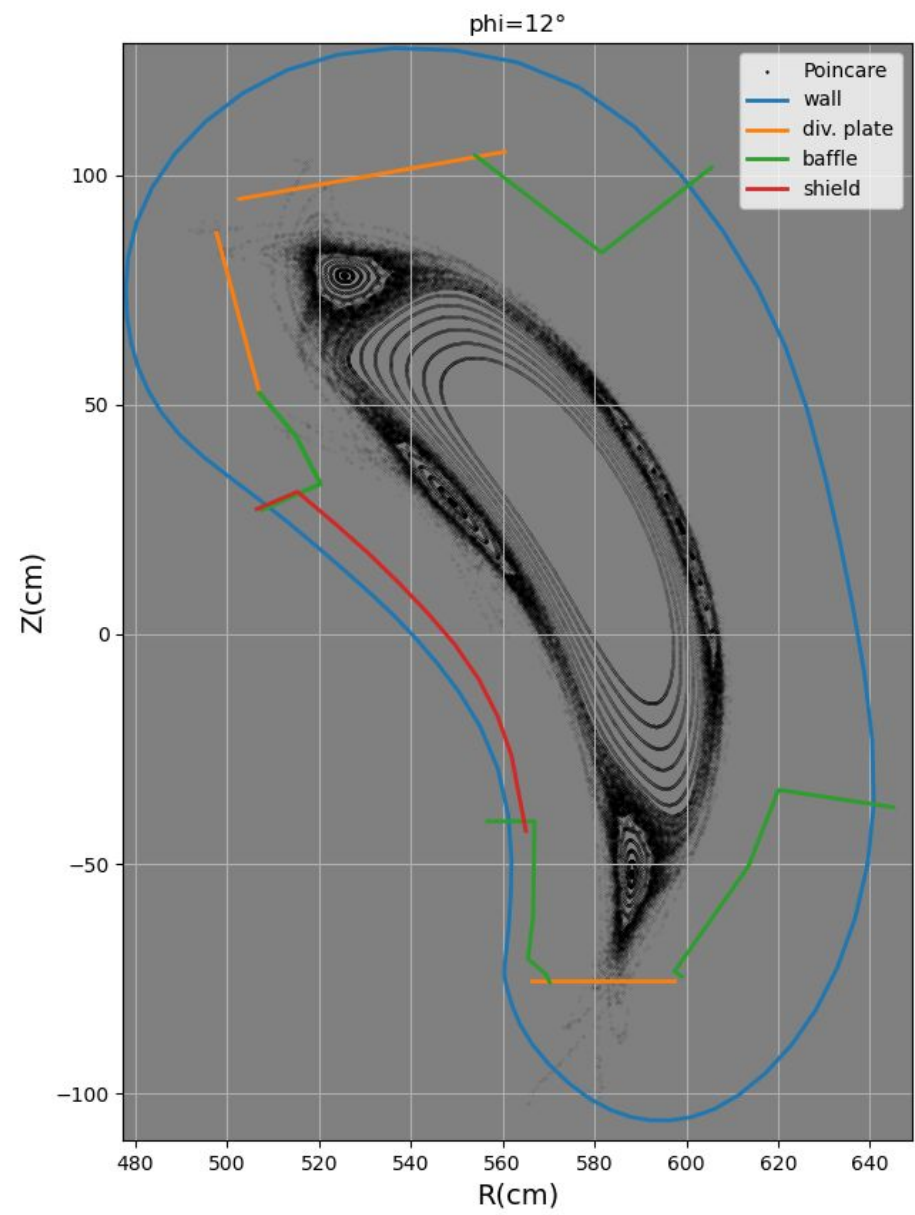
Coil A:  $0.33 * 1.109484\text{MA} = \mathbf{0.3661\text{MA}}$

Coil B:  $0.33 * 1.109484\text{MA} = \mathbf{0.3661\text{MA}}$

# Configuration “JYM000+1730”

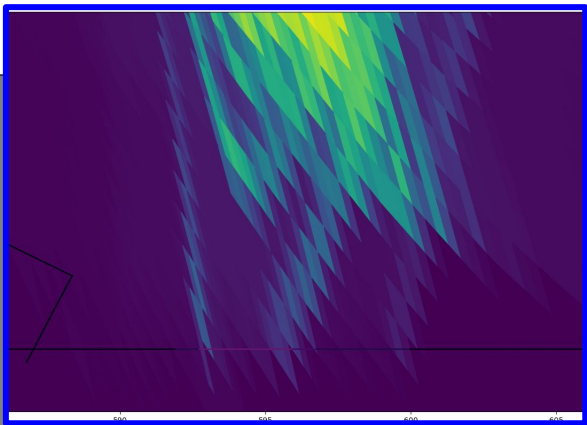
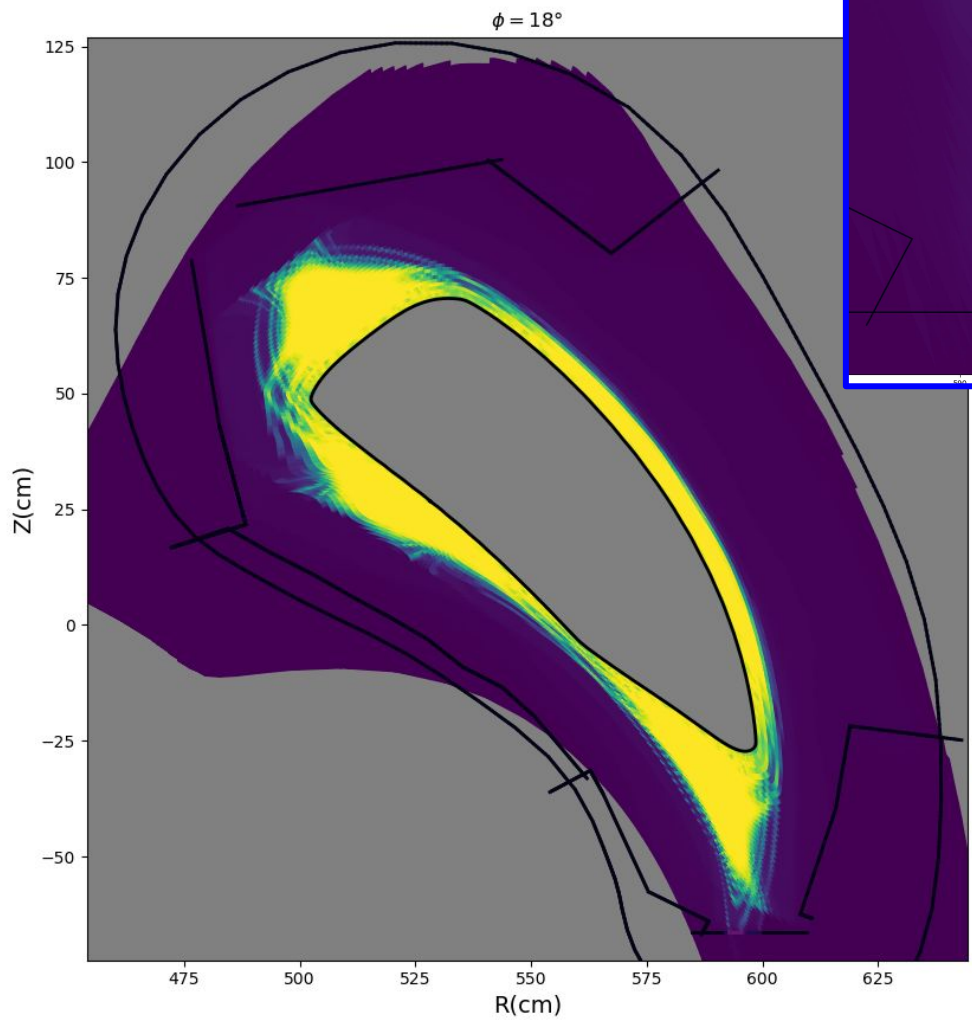
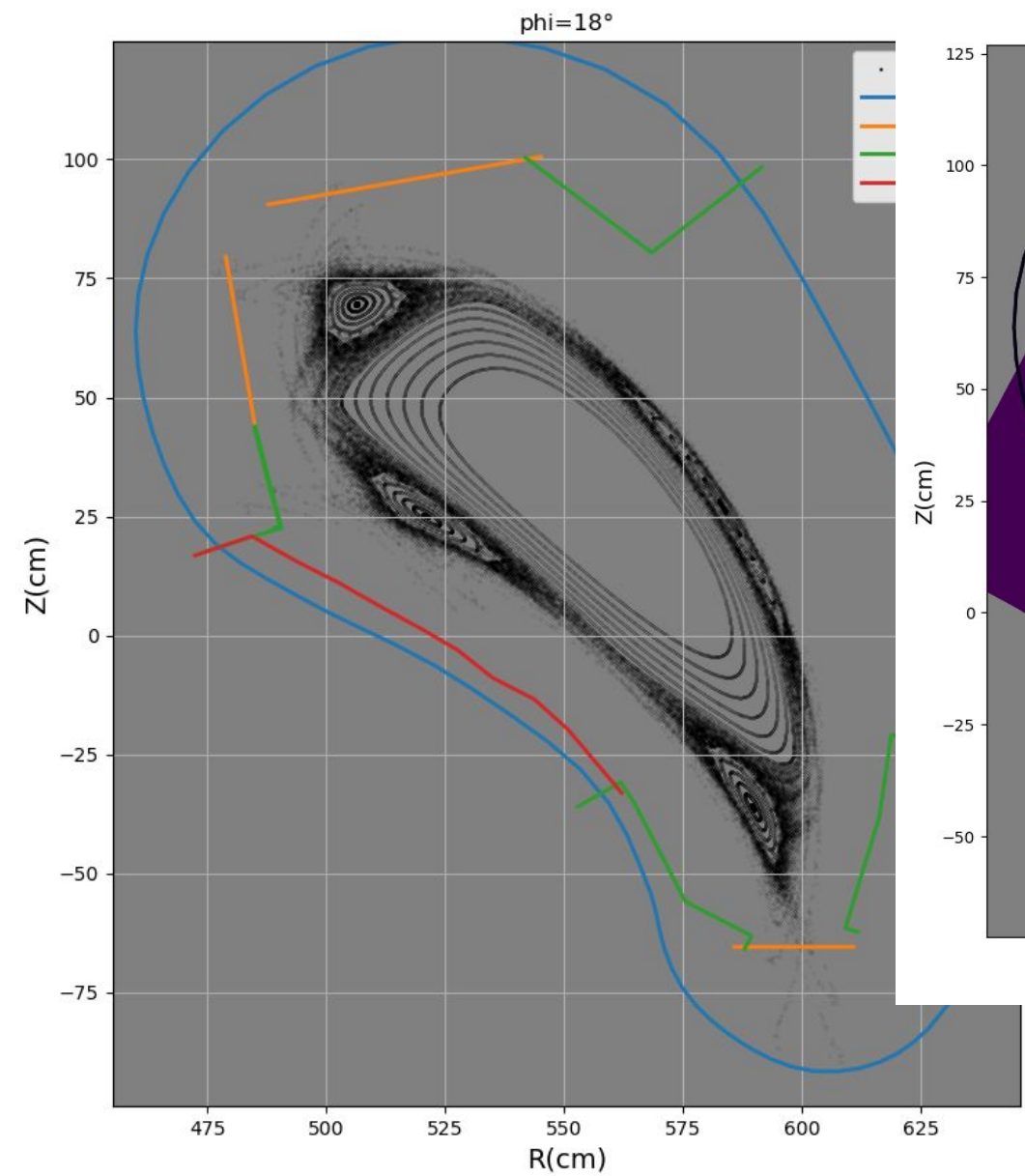


# Configuration “JYM000+1730”

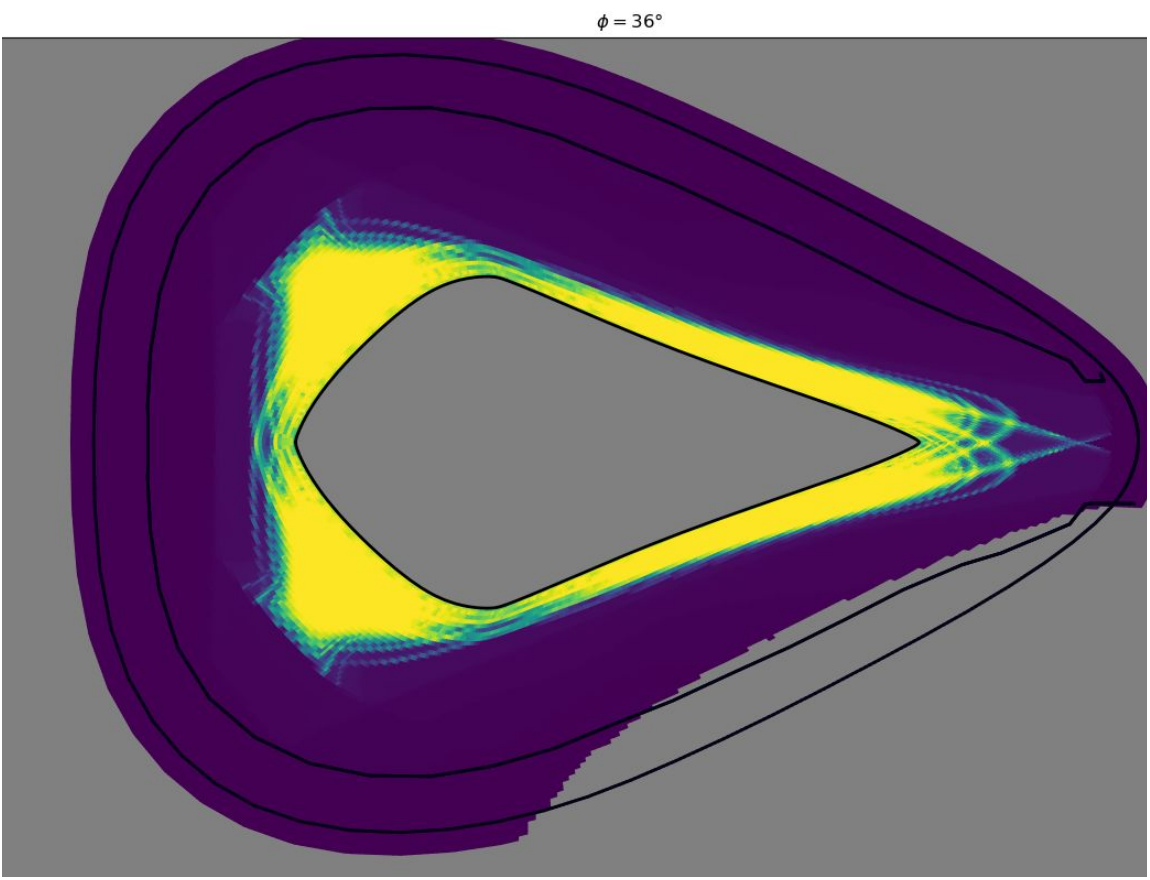
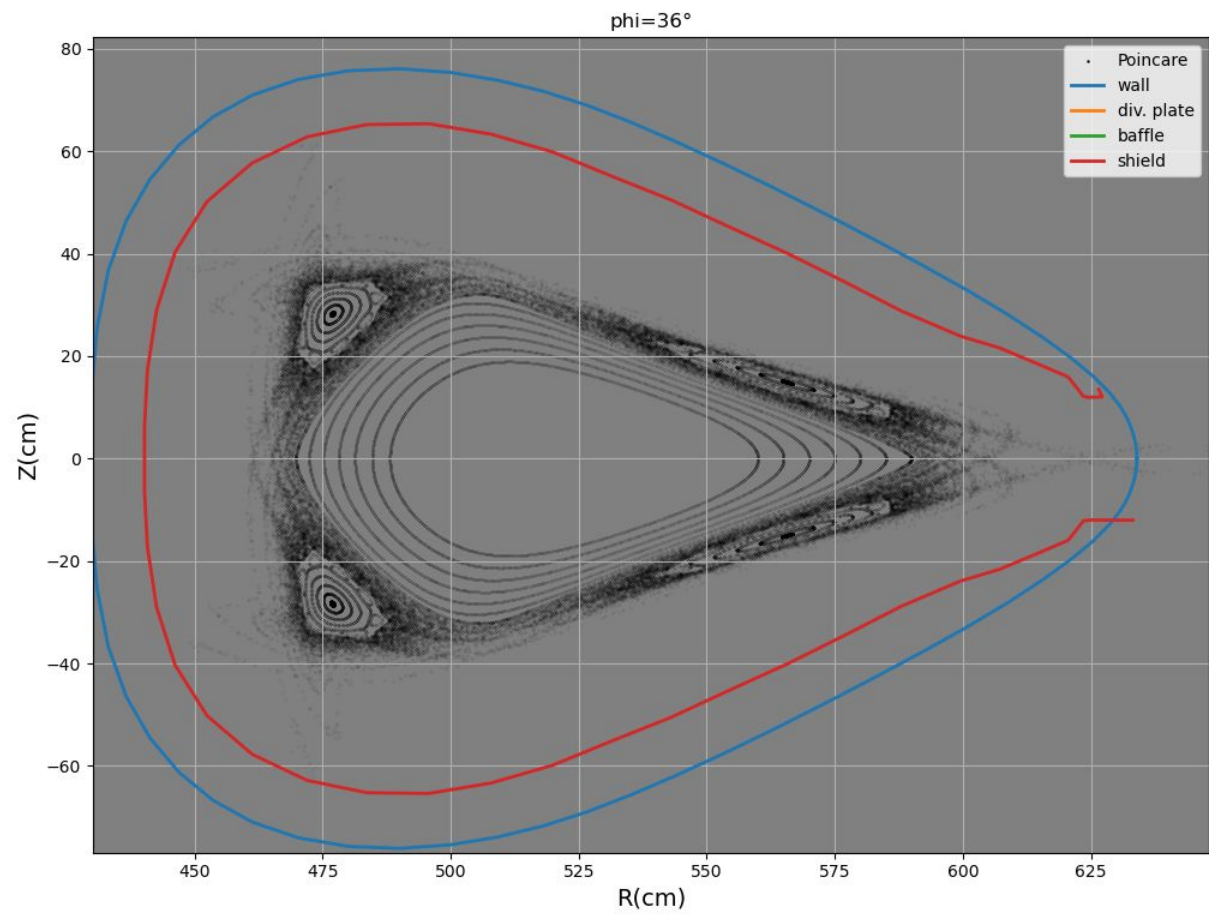




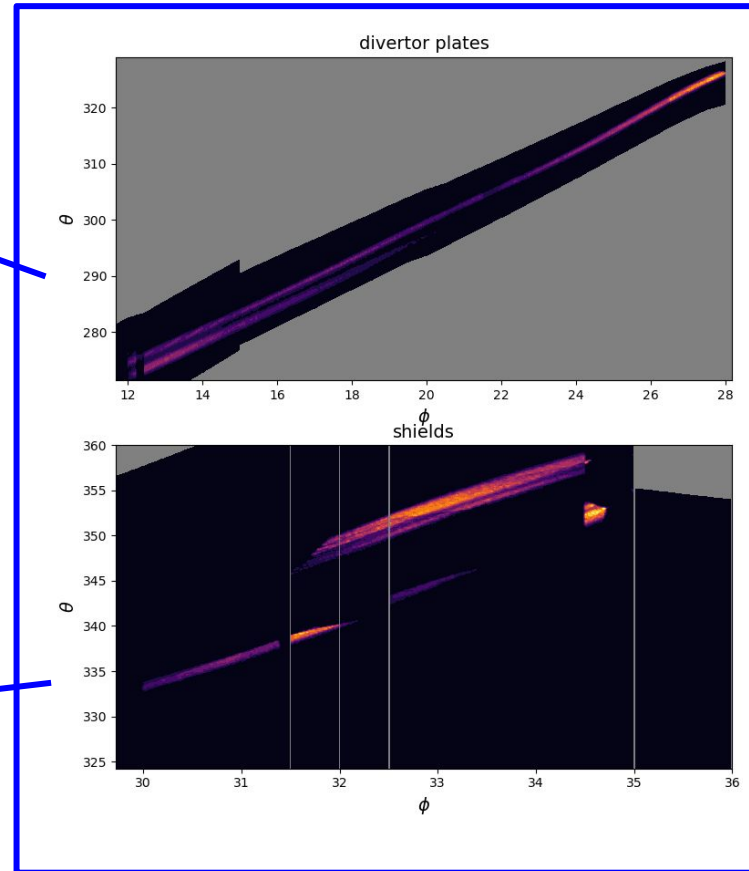
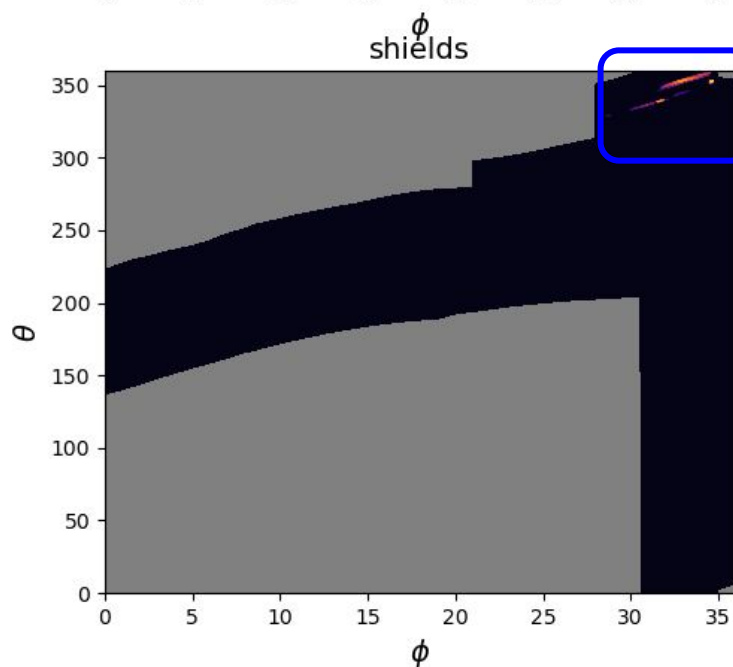
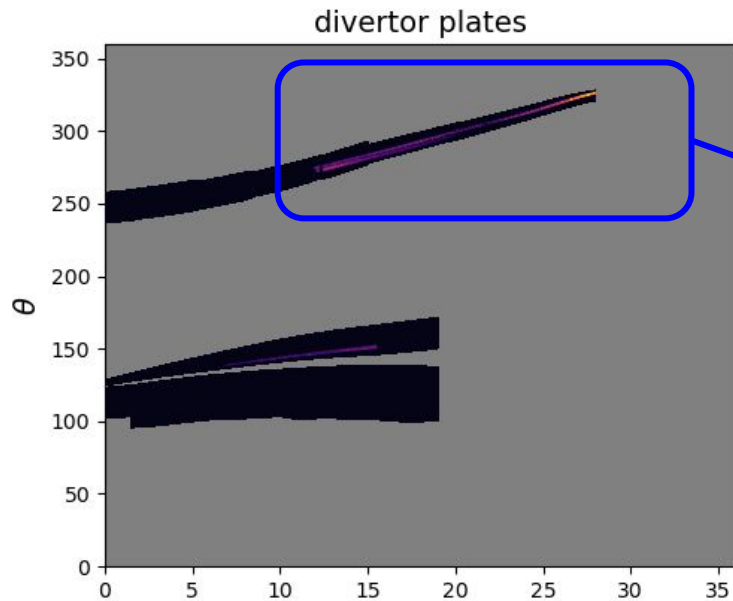
# Configuration “JYM000+1730”



# Configuration “JYM000+1730”



# Configuration “TYM000+1701”



## Config (filament currents):

Coil 1:  $1.027 * 1.109484\text{MA} = 1.1390\text{MA}$

Coil 2:  $0.992 * 1.109484\text{MA} = 1.0231\text{MA}$

Coil 3:  $0.992 * 1.109484\text{MA} = 1.0231\text{MA}$

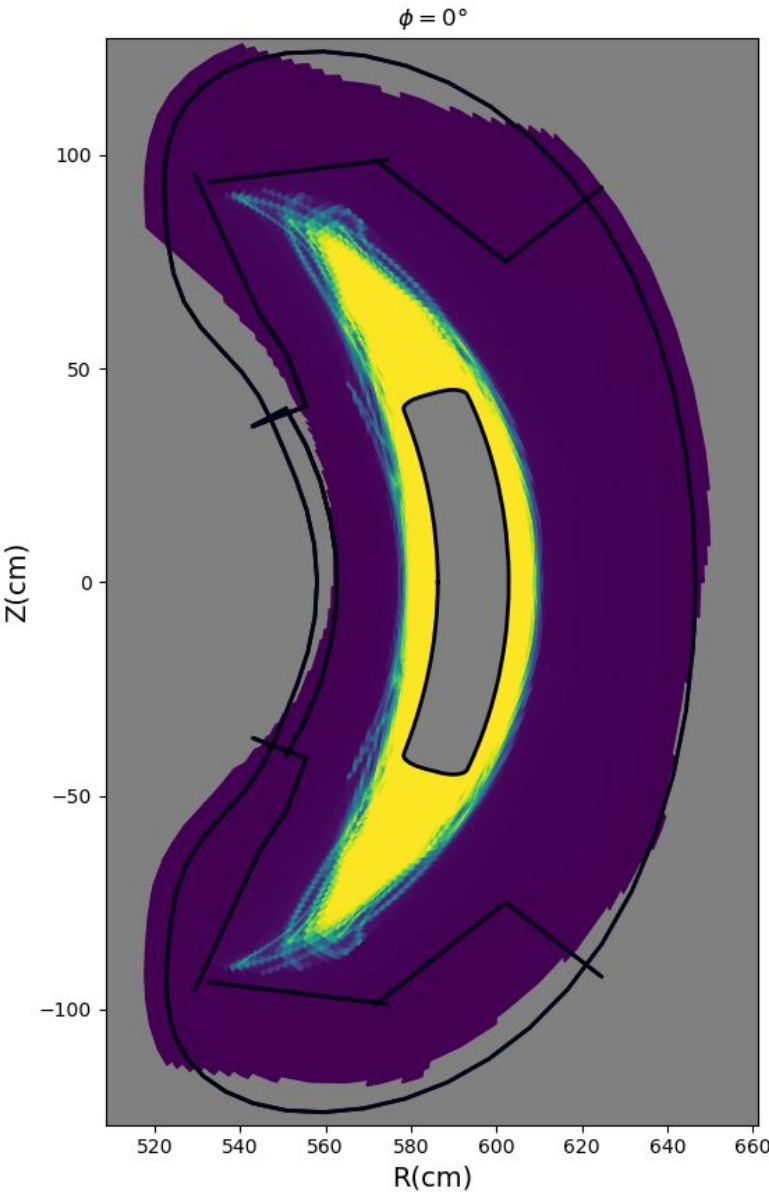
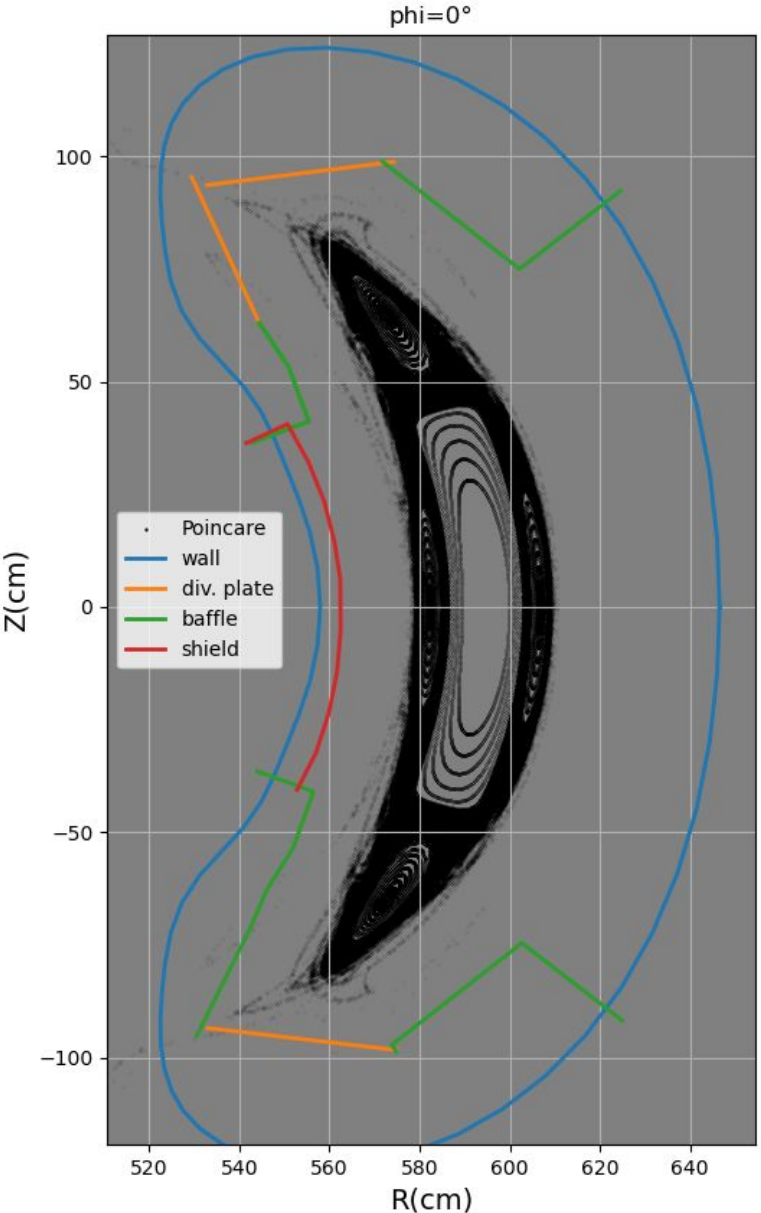
Coil 4:  $0.713 * 1.109484\text{MA} = 0.7915\text{MA}$

Coil 5:  $0.713 * 1.109484\text{MA} = 0.7915\text{MA}$

Coil A:  $0.33 * 1.109484\text{MA} = 0.3661\text{MA}$

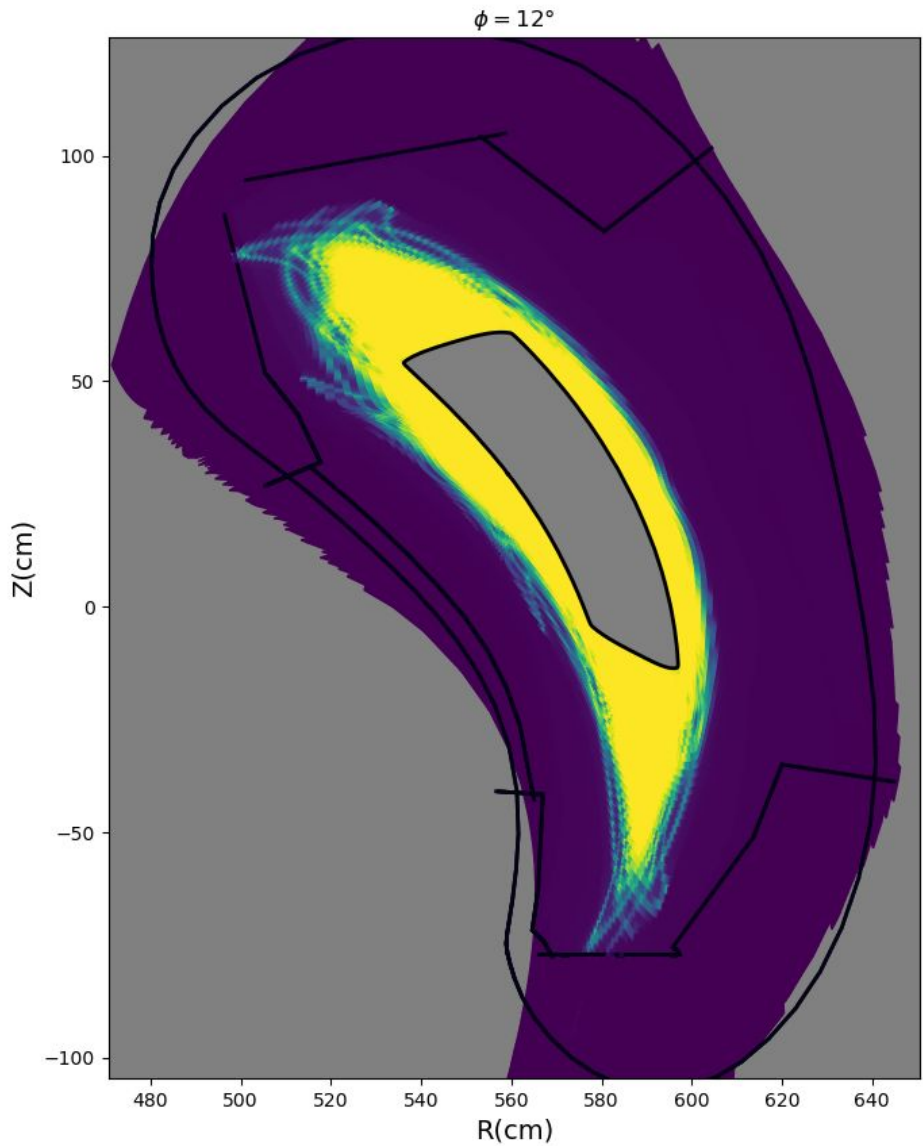
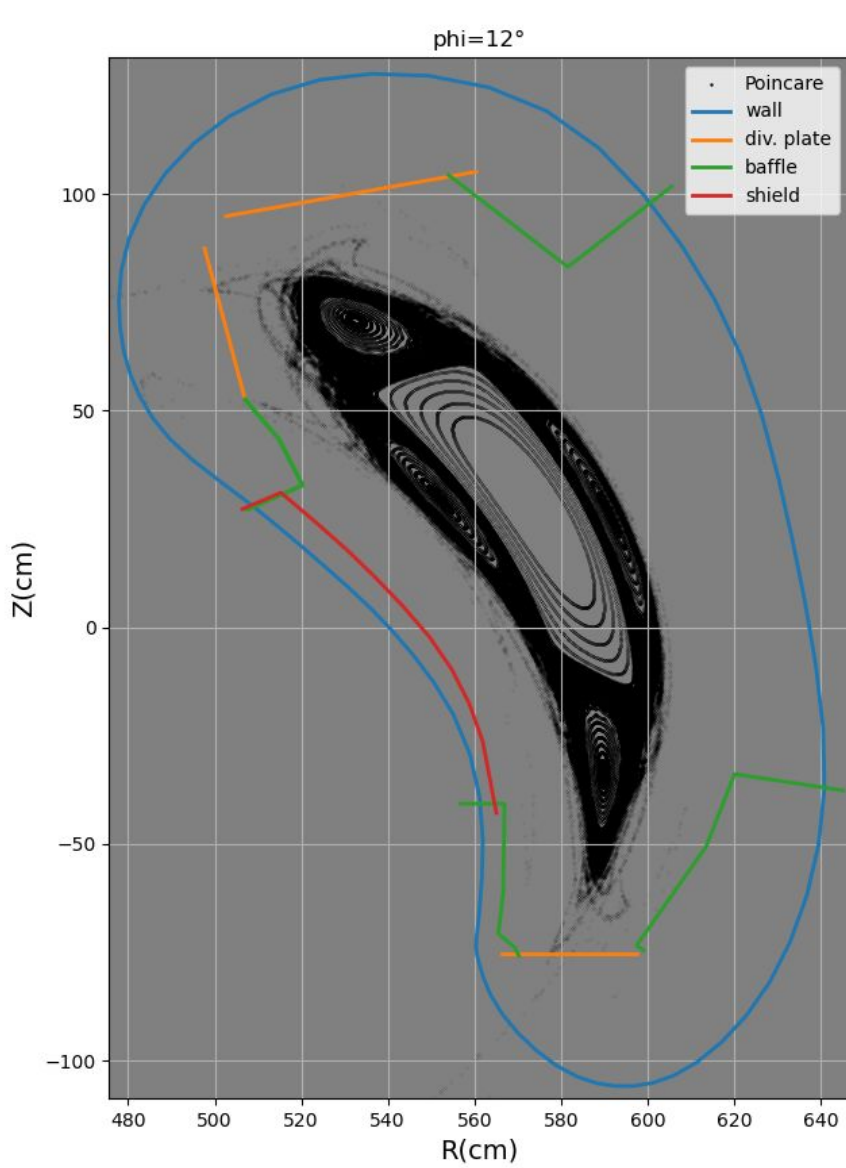
Coil B:  $0.33 * 1.109484\text{MA} = 0.3661\text{MA}$

# Configuration “TYM000+1701”

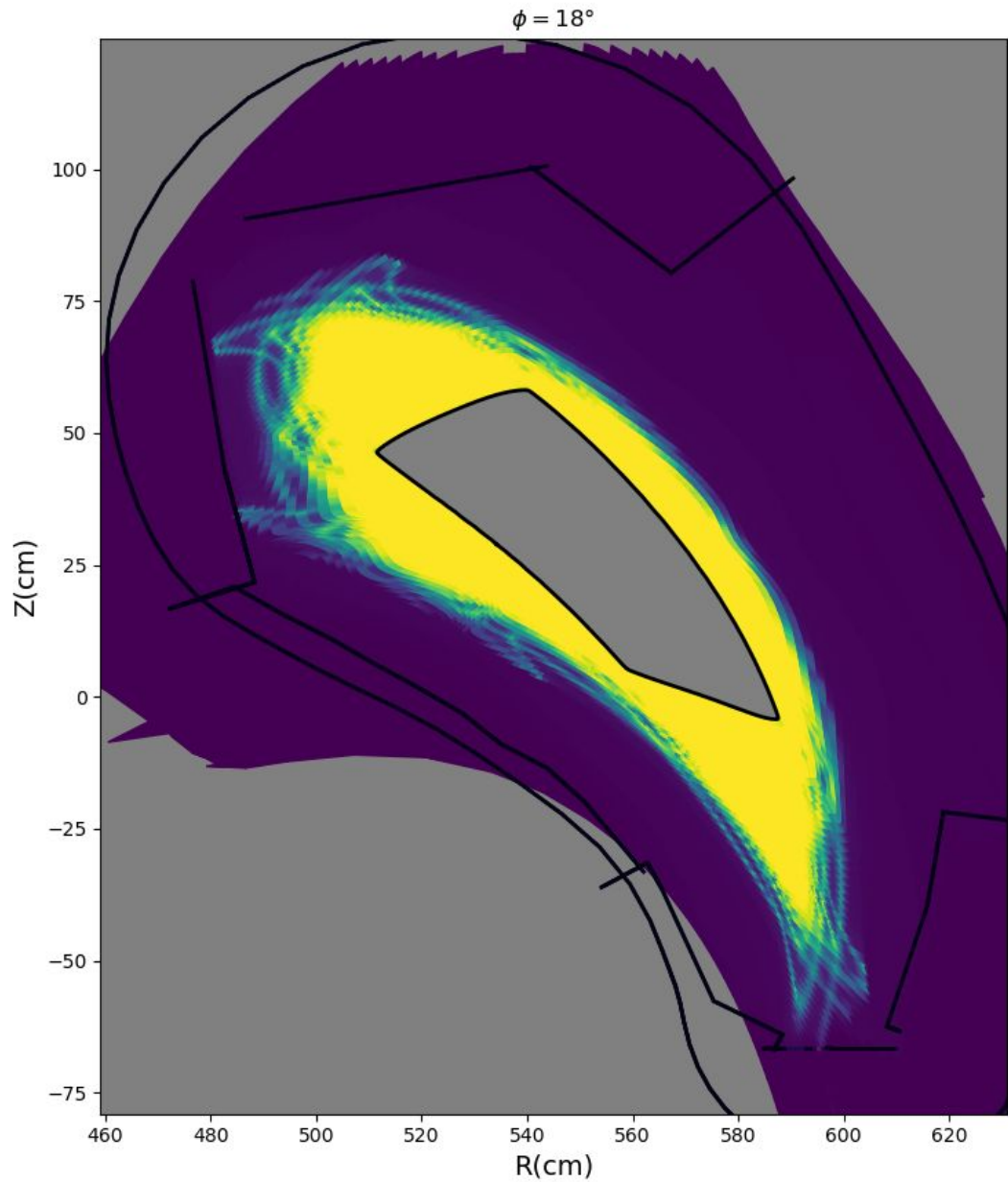
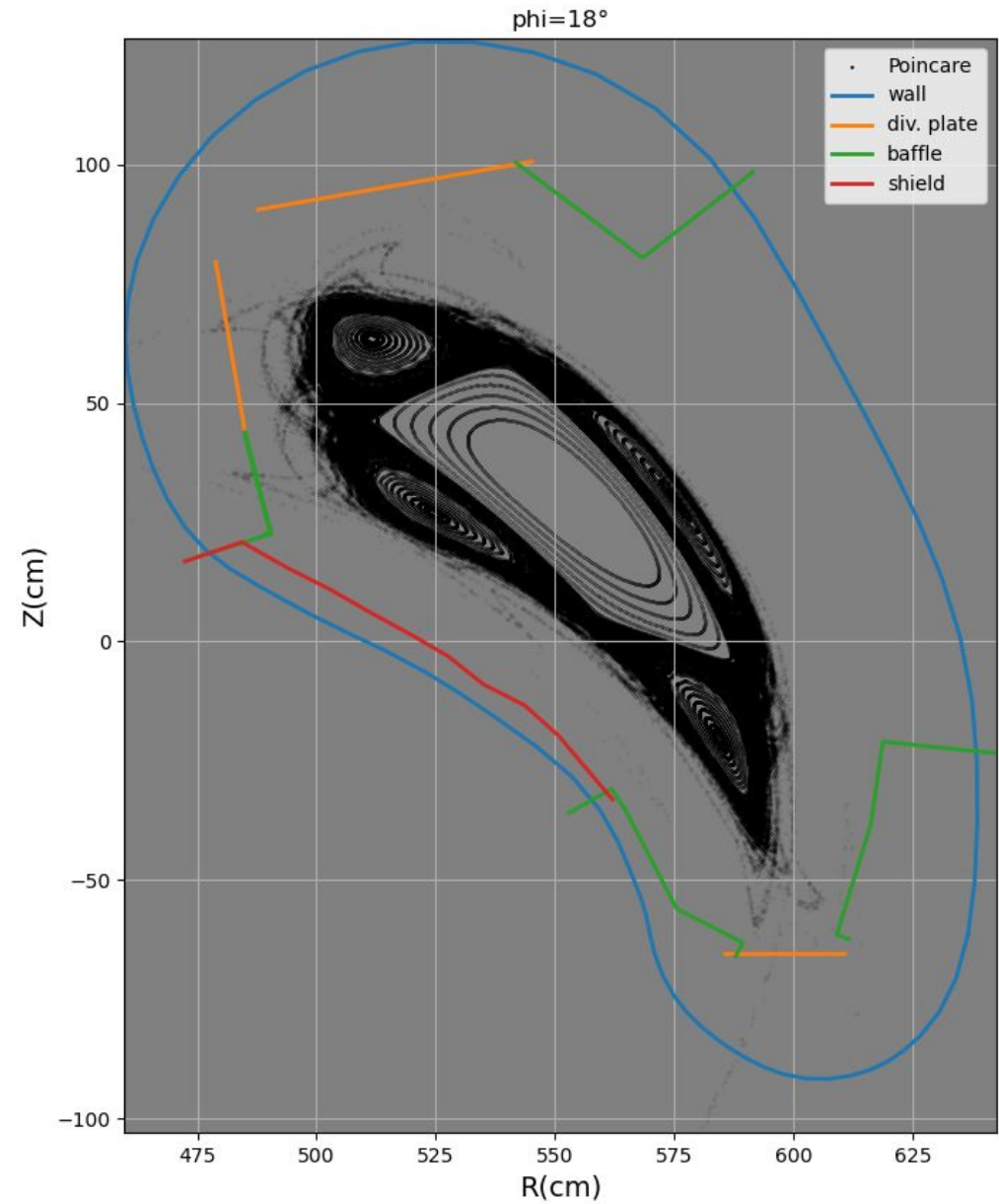




# Configuration “TYM000+1701”



# Configuration “TYM000+1701”



# Configuration “TYM000+1701”

