

Golem #16 - from #40420 to #43695

Mariánská 2024

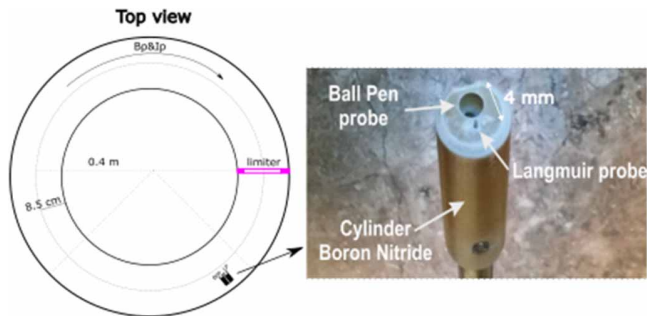
Vojtěch Svoboda

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- Plasma edge studies

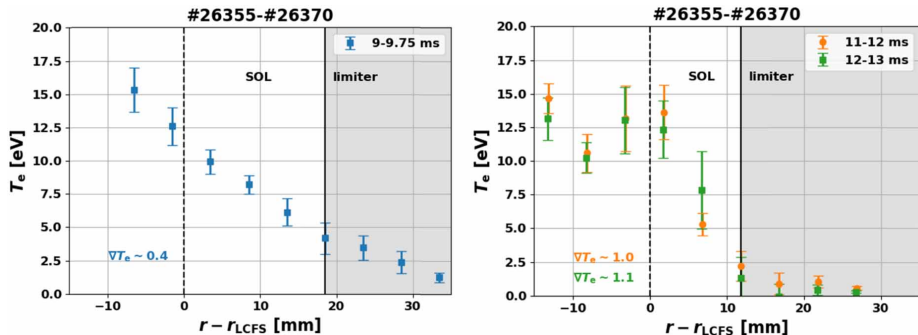
## 1 Acknowledgments

# Spontaneous formation of a transport barrier in helium plasma in a tokamak with circular configuration



**Figure:** Left—the experimental arrangement for the combined probe measurements with limiter configuration, top view. Right—the photo of the combined ball-pen (diameter 4 mm) and Langmuir probe (diameter 1 mm) head. Mirnov coil ring consisting of 4 coils is placed around the limiter. The magnetic field and the plasma current are clockwise oriented.

# Spontaneous formation of a transport barrier in helium plasma in a tokamak with circular configuration



**Figure:** Radial profiles of electron temperature before (left) and during (right) the transport barrier formation. The strong gradient of electron temperature is observed at 11–13 ms.

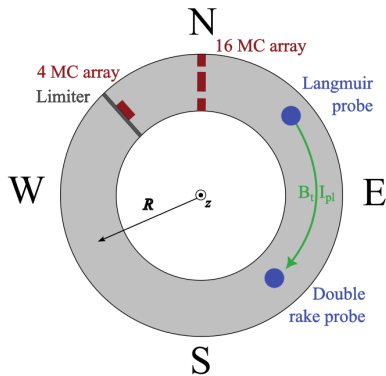


Figure: 1. Setup of GOLEM diagnostics. View from the top of the tokamak.



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## 1 Acknowledgments

# Acknowledgement

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