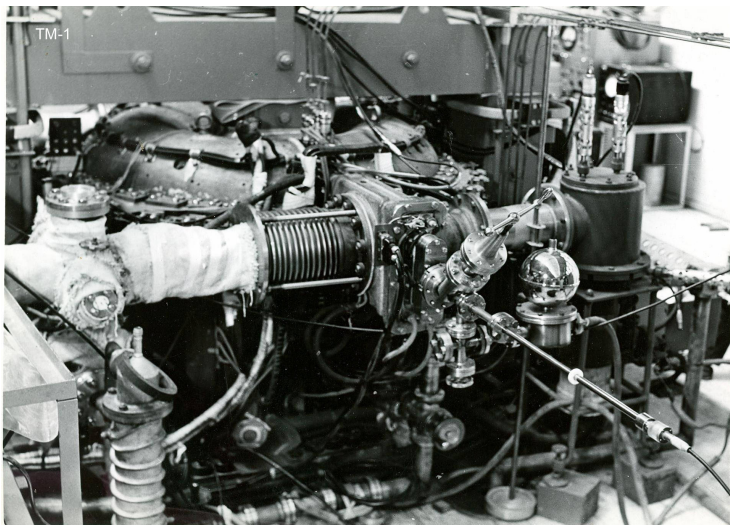
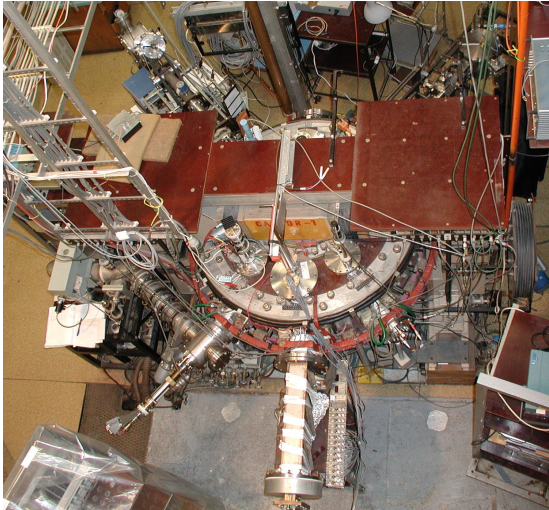


XX/YY: TM-1



XX/YY: CASTOR



12/07: Last minutes at the IPP Prague

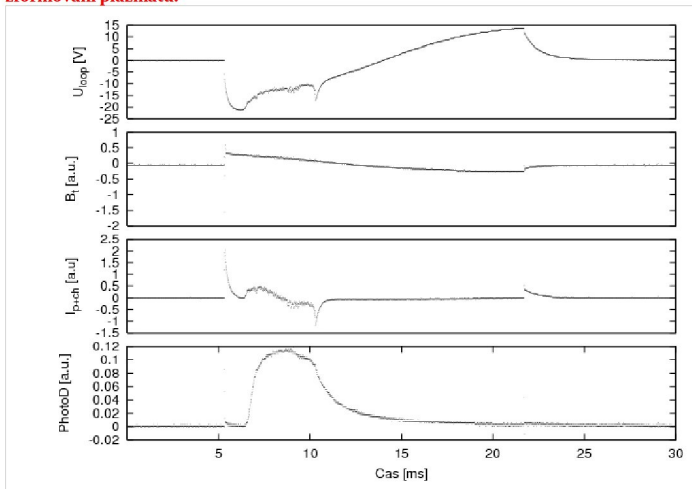


12/07: First minutes at the CTU Prague



07/09: First plasma in the tokamak GOLEM

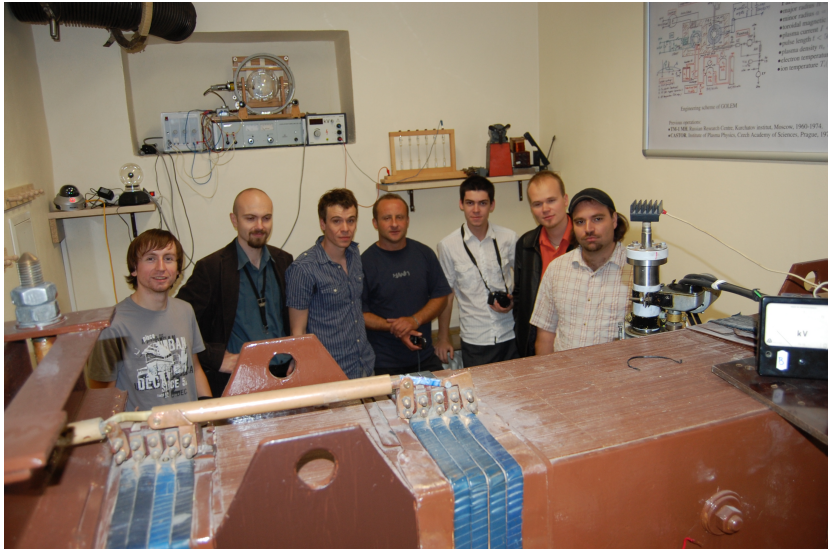
Časové průběhy signálů zřetelně ukazují, že došlo k průrazu neutrálního plynu a k zformování plazmatu.



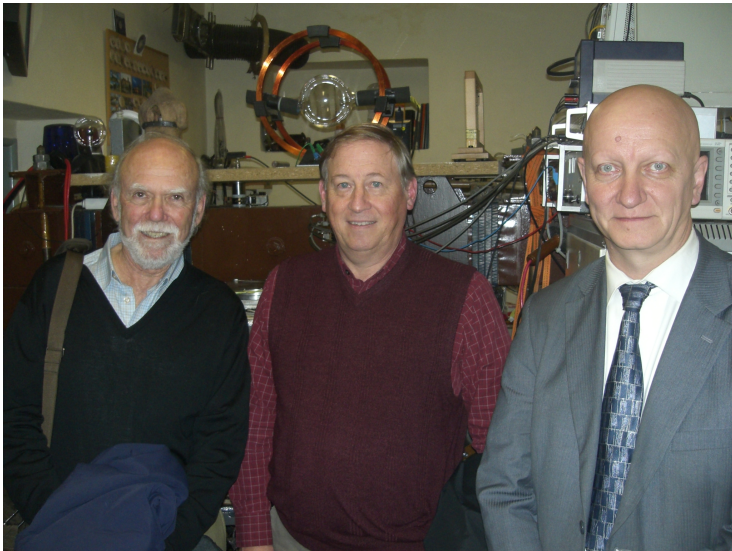
O tom svědčí:

1. Rychlý pokles napětí na závit v čase $t = 6-7$ ms a jeho malé fluktuace, které lze vidět až

09/09: Tokamak and tokamak



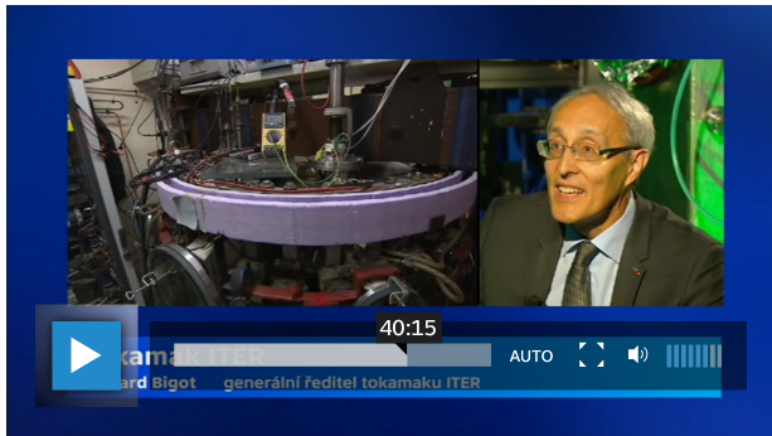
11/11: NP laureat at tokamak GOLEM



05/16: The youngest tokamak (GOLEM) operator, Adam (7 years).



0916: ITER DG, Mr. Bernard Bigot (Shot #22185)



Quotation from Czech Television Hydepark

I am very pleased with the GOLEM ...

2010: Tokamak GOLEM



2011: The tokamak COMPASS with NBI



2016: ITER segment



2017: First Spitzer Stellarator



11/17: GOLEM tokamak "mapping"

Tokamak GOLEM



10/15: Trojan horse - #20000

GOLEM » Shot #20000 »

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Diagnostics

- ✓ PlasmaPosition_TO
- ✗ Flukes
- ✗ Spectrometer
- ✓ FastCamera
- ✓ HXR

Analysis

- ✓ HistoricalAnalysis
- ✓ ShotHomepage
- ✓ AdvancedAnalysis
- ✓ Spectrogramm_TO
- ✗ MultiCWT_TO
- ✓ MWPrepionization
- ✗ Impurities_TO

DAS

- ✓ TektronixDPO
- ✓ Papouch_Za
- ✓ Nlstandard
- ✓ Papouch_Za
- ✓ Papouch_St

Vacuum log

Charging log

Other

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20000 [Go](#)

Tokamak GOLEM - Shot Database - 20000

Date: 2015-10-22 - 16:09:25
Session: SessionPreparation
Comment: 20k

[\[Template source\]](#)
[\[WebLog\]](#)

Congratulation, you have reached nuclear fusion.

The following explosion destroyed half of Prague and radioactive fallout contaminated whole Europe.

Have a nice day



Basic parameters: (compare)

- Gas pressure p_{CH} : 10.28->15.38 mPa (request: 5 mPa) ^{W00}
- Working gas: H
- Preionization: Upper el. gun
- Chamber temperature: 20.00 C
- C_B capacitors charged to: 1000 V, triggered 5.0 85 ^{W00}
- C_{D0} capacitors charged to: 0 V, triggered 5.0 85 ^{W00}
- C_{D0} capacitors charged to: 500 V, triggered 5.0 85 ^{W00}
- C_{S1} capacitors charged to: 0 V, triggered 5.0 85 ^{W00}
- Probability of breakdown: N/A ^{W00}
- Time since session beginning: 0:19:25 h

Plasma parameters:

- Plasma life time 8.7 [ms] (from 7.5 to 16.2)
- Mean toroidal magnetic field Bt: 0.22 T ^{W00}
- Mean plasma current: 1.42 kA ^{W00}
- Mean Uloop: 12.41 V ^{W00}
- Break down voltage: 10.5 V ^{W00}
- Ohmic heating power: 17.59 kW
- Q edge: 0.9 ^{W00}
- Electron temperature: 13.5 eV ^{W00}
- Line electron density: N/A [10¹⁷.m⁻²] ^{W00}

