

10/15: Trojan horse - #20000

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Tokamak GOLEM - Shot Database - 20000

[TempLate source] [Weblog]

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

Diagnosics

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

Analysis

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

DAS

- ✓ ElektronDPO
- ✓ Papouch_3l
- ✓ Nlstandard
- ✓ Papouch_Za
- ✓ Papouch_St

Vacuum log

Charging log

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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) **Plasma parameters:**

- Gas pressure p_{CH} : 10.20 → 15.38 mPa (request: 5 mPa) ^{Wiki}
- Working gas: H ^{Wiki}
- Preionization: Upper et. gun
- Chamber temperature: 20.00 C
- C_{α} capacitors charged to: 1000 V, triggered 5.0 05 ^{Wiki}
- $C_{\beta 0}$ capacitors charged to: 0 V, triggered 5.0 05 ^{Wiki}
- $C_{\beta 0}$ capacitors charged to: 500 V, triggered 6.0 05 ^{Wiki}
- $C_{\beta 1}$ capacitors charged to: 0 V, triggered 5.0 05 ^{Wiki}
- Probability of breakdown: N/A ^{Wiki}
- Time since session beginning: 0:19:25 h
- Plasma life time 8.7 [ms] (from 7.5 to 16.2)
- Mean toroidal magnetic field Bt: 0.22 T ^{Wiki}
- Mean plasma current: 1.42 kA ^{Wiki}
- Mean Uloop: 12.41 V ^{Wiki}
- Break down voltage: 10.5 V ^{Wiki}
- Ohmic heating power: 17.59 kW
- Q edge: 0.9 ^{Wiki}
- Electron temperature: 13.5 eV ^{Wiki}
- Line electron density: N/A [10¹⁷·m⁻²] ^{Wiki}

