

BORSE DI STUDIO DOTTORATI COFINANZIATE DTT (Anno 2024)

Topic number	Topic	University	Funding
1	Study of tokamak plasmas with impurity seeding for the optimization of DTT plasma scenarios;	Univ. Degli Studi di Milano Bicocca	100%
3	Nuclear analyses in support of design and safety of Divertor Tokamak Test facility;	Univ. La Sapienza Univ. Roma 3	100%
4	Machine diagnostics through extensive use of fiber optic sensors of DTT;	Univ. La Sapienza	100%
5	Study and development of advanced cryogenic solutions for superconducting magnetic fusion devices and application to DTT facility;	Politecnico di Torino	50%
6	Synchronous control of DTT ECH polarizer and launching mirror;	Politecnico di Milano	100%
7	Development of the operative sequences of DTT remote handling control system;	Univ. della Basilicata	50%
8	Innovative topologies for power supplies of tokamak coils;	Univ.di Bologna	85%
10	Development of high-power radiofrequency systems for DTT;	Univ. Roma 3	100%
12	3-D modeling and simulation of plasma-wall interactions in DTT;	Politecnico di Torino	100%
16	Advanced real-time control and fast protection HW and SW architecture based on integrated microcontrollers and FPGA architecture for DTT;	Univ. della Tuscia	50%
19	Development of a plasma Disruption Mitigation System using Shattered Pellet Injection for DTT;	Univ. della Tuscia	67%