

UNIVERSITA' DEGLI STUDI DI MILANO

CONCORSO PUBBLICO PER L'AMMISSIONE AI CORSI DI DOTTORATO - XLI CICLO

CORSO DI DOTTORATO IN FISICA, ATROFISICA E FISICA APPLICATA

Il candidato, per essere ammesso al colloquio, deve ottenere nel Curriculum minimo 10 punti e nel Progetto di Ricerca minimo 5

cognome	nome	punteggio curriculum	punteggio progetto	punteggio totale	esito (ammesso/non ammesso/escluso*)	data colloquio	orario colloquio (CEST)	titolo progetto presentato
ABEDI	FATEMEH	12,6	4	16,6	non ammesso			Topology of Galaxy Clusters: Persistent Homology for Tracing Structure Formation and Feedback
ABRAR	SUNDUS	12,1	8	20,1	ammesso	Tuesday, July 1st	9-11 online	Hybrid Resource Optimization in Continuous-Variable Quantum Networks with Gaussian and Non-Gaussianity States
ACTON BOND	MARCUS	17,5	9,5	27	ammesso	Tuesday, July 1st	11-13 in presenza	Characterisation of aerosol Optical properties in the coNTinuum from Near infrared to Ultraviolet wavelengths (CONTINUITY)
AHMAD	FAIZ	10,7	4	14,7	non ammesso			Nanostructured Materials with Potential for Energy Production, Conversion and Storage Applications: Synthesis and Characterization
AHMED	IFTIKHAR	6,4	6	12,4	non ammesso			Assessment of EMIC waves of plasma in different regions of space using theoretical and observational technique
ALLADA	SURYA VAMSHI	5	4	9	non ammesso			Energy Distribution in the associated Gravitational-wave and Electromagnetic events of GRB170817A/GW170817
BARATTO	MATTEO	16,5	9,5	26	ammesso	Tuesday, July 1st	14-17 in presenza	Precision Beam Modeling for Next-Generation CMB Telescopes: PO and PTD Simulations for LiteBIRD and CMB-S4
BASIT	AMTUL	7	0	7	non ammesso			not available
BELLINGERI	ANDREA	15,6	8,5	24,1	ammesso	Tuesday, July 1st	14-17 in presenza	Development and physical study of Oxygen-based ECRAM for neuromorphic application
BELLOTTI	MATTIA	12,5	7,5	20	ammesso	Tuesday, July 1st	14-17 in presenza	New perspectives on parton distribution functions
BENEDUCE	ENRICO	16,1	6	22,1	ammesso	Tuesday, July 1st	14-17 in presenza	Cooling techniques for current leads of HTS magnets
BHATTACHARYYA	TIASHA	8,6	5	13,6	non ammesso			From Stellar Collapse to Cosmic Web: Tracing the Role of Accretion and Neutrino Physics in Black Hole Formation and Cosmology

BIANCHETTI	NICOLA	16,1	9	25,1	ammesso	Tuesday, July 1st	11-13 in presenza	Dynamical models of cluster members to test the Λ CDM cosmological paradigm
BOLCHINI	MASSIMILIANO	13,8	9,5	23,3	ammesso	Thursday, July 3rd	9-11 online	Interpreting protoplanetary disks observations with semi-analytical models: linking light and dust
BRUNI	STEFANO	15,3	9,5	24,8	ammesso	Tuesday, July 1st	14-17 in presenza	Transformer-Based Reinforcement Learning for Quantum Circuit Compilation
BRUSTIO	DAVIDE MATTEO	14,8	7,5	22,3	ammesso	Friday, July 4th	9-11 online	A multiwavelength investigation of cool-core galaxy clusters
BUCCI	FILIPPO	15,9	9	24,9	ammesso	Tuesday, July 1st	14-17 in presenza	Which Globular Clusters can Host Intermediate-Mass Black Holes?
CALLEGARO	STEFANO MARIO	10,8	8	18,8	ammesso	Tuesday, July 1st	14-17 in presenza	Shedding light on the Hubble tension and the nature of dark energy combining strong lensing cosmography and cosmic chronometers in galaxy clusters
CANDREVA	GAIA	15	6	21	ammesso	Wednesday, July 2nd	11-13 in presenza	Study of fluctuations in Environment Assisted Quantum Transport to enhance Efficiency of Solar Energy Technology
CAPRIOGLIO	CRISTINA	13,5	7,5	21	ammesso	Wednesday, July 2nd	11-13 in presenza	Rotating stratified fluids: equilibrium models and local gravitational instability
CARLONE	MAURO	12	4	16	non ammesso			Geometria e Termodinamica dello Spazio-Tempo di Schwarzschild-de Sitter in (2+1) dimen
CHEMOLI	DARIO	10,8	6,5	17,3	ammesso	Wednesday, July 2nd	11-13 in presenza	Application of a reinforcement learning software on a photonic quantum computer for an automatic loss mitigation and phase stabilization
CHIARELLA	MARTINA	11	9,5	20,5	ammesso	Tuesday, July 1st	11-13 online	Probing the Chemical Fingerprints of Planet Formation in Protoplanetary Disks with ALMA
CHIARENZA	MARCO	15,7	9	24,7	ammesso	Wednesday, July 2nd	11-13 in presenza	Fast cosmological simulations for next-generation galaxy surveys using Machine Learning accelerated techniques
CHIESA	ALFREDO	12	8	20	ammesso	Wednesday, July 2nd	11-13 in presenza	Upgrading Supermassive Black Holes in L-Galaxies
CHIURATO	GIORGIO	15,3	8,5	23,8	ammesso	Wednesday, July 2nd	14-17 in presenza	Event shape distributions: perturbative resummation and non-perturbative corrections in QCD
CLINI	ANDREA	20	9,5	29,5	ammesso	Wednesday, July 2nd	14-17 in presenza	Testing New Physics Beyond SM with Cosmological Probes
CONCA	FABIO	15,2	9,5	24,7	ammesso	Wednesday, July 2nd	14-17 in presenza	Search for the γ decay of the narrow near-threshold resonance in 11B with the state-of-the-art Agata γ -array spectrometer
CONTE	PIETRO	10	9	19	ammesso	Wednesday, July 2nd	14-17 in presenza	Development of a neuromorphic computing device based on speckle fields and the optical receptron architecture for edge-computing applications
D'AQUINO	ILARIA	12,9	6,5	19,4	ammesso	Thursday, July 3rd	9-11 online	Coronal properties in Active Galactic Nuclei (AGN)

DE ANGELIS	MARGHERITA CAROLA	15	4	19	non ammesso			General Relativity Simulations of Black Hole-Neutron Star binaries
DE FEO	SIMONE	11	7,5	18,5	ammesso	Wednesday, July 2nd	14-17 in presenza	Precision calculation of Electroweak and mixed EW/QCD amplitudes
DEL GRATTA	ELENA	16,9	9	25,9	ammesso	Wednesday, July 2nd	14-17 in presenza	NLO electroweak corrections to quantum observables in LHC processes
DI BERNARDO	ARIANNA	12,9	7,5	20,4	ammesso	Wednesday, July 2nd	14-17 in presenza	Simulating the evolution of a protein of the Influenza virus with statistical–mechanics and machine learning tools
DIGLIO	GAETANO	12	8	20	ammesso	Thursday, July 3rd	11-13 in presenza	Modelli di Analogue Gravity in Condensati di Bose–Einstein: Estensioni dinamiche a Buchi Neri Dinamici di Robinson–Trautman
DINATOLO	MICHELA MARIA	15	8	23	ammesso	Thursday, July 3rd	11-13 in presenza	Probing into the multi-messenger Universe with short GRBs
DURAN	BUSE				escluso b)			
EHLIZ	MEHMET	7,1	1	8,1	non ammesso			not available
EPIFANI	ALBERTO	14	6,5	20,5	ammesso	Friday, July 4th	9-11 online	The Strong CP problem via P-symmetric models
FOLLIA	PIETRO MARCO	16,3	9,5	25,8	ammesso	Thursday, July 3rd	11-13 in presenza	Floquet Engineering for Coherence Control in Dissipative Systems
FONTANA	FRANCESCO	16,2	9	25,2	ammesso	Thursday, July 3rd	11-13 in presenza	Supramolecular ordering as the plausible driving mechanism for the spontaneous formation and selection of primordial RNA polymers
FULGHIERI	MICHELE	11,7	7	18,7	ammesso	Thursday, July 3rd	11-13 in presenza	Testing dark-energy scenarios with Euclid
GALANTI	ALBERTO	8,5	6	14,5	non ammesso			Production of the negative positronium ion Ps ⁻ in the QUPLAS antimatter gravitation experiment
GENDI	HANAA ZAKA	10	4	14	non ammesso			Thermal management with nanoparticles using infrared and Uv-Vis technology
GREMESE	IAN	12,5	7,5	20	ammesso	Thursday, July 3rd	14-17 in presenza	Assessing the Status of Quantum Theory as a Universal Theory
GRILLI	ELIA	14,5	8	22,5	ammesso	Wednesday, July 2nd	9-11 online	Advancing Perturbative Frameworks for BAO Reconstruction in Large-Scale Structure
GUERRA	LORENZO	14,2	8,5	22,7	ammesso	Monday, July 7th	9-11 in presenza	Mass effects in resonance decays
HAI	MISHAAL	7	3	10	non ammesso			Inflation models in type IIB string compactifications
HAKIMI	MAEDEH	5	6	11	non ammesso			Ab initio calculation of atomic defects in solids for applications in quantum technologies
HAROON	QAMER	7,2	5	12,2	non ammesso			Study of Strange Particle Production in Pb-Pb, p–Pb and pp Collisions at LHC Energies

HEMMEDI	IMEN	9	2	11	non ammesso			tic CO2 Reduction and Gas Sensing via Time-Resolved Terahertz Spectroscopy
HOSSAIN	ASLAM	9	7,5	16,5	non ammesso			First-Principles Comparative Analysis of N-Heterocyclic Carbenes on Cu(111), Au(111), and Ag(111) Surfaces for Enhanced Hydrogen Storage: A Computational Study of Surface Interactions
IGNOTI	MICHELA	12,7	9,5	22,2	ammesso	Thursday, July 3rd	14-17 in presenza	Quantum estimation theory for High Energy Physics
IORI	GIORGIA	15,2	9,5	24,7	ammesso	Thursday, July 3rd	14-17 in presenza	Simulation of 3D quantum vortices: toward engineering superfluid dynamics
IOZZIA	MANUEL LORENZO	17,6	9,5	27,1	ammesso	Thursday, July 3rd	14-17 in presenza	Bismuth Chalcogenides For Piezophototronic Applications
KHAN	EHTISHAM	8,4	6	14,4	non ammesso			Design and development of superconducting RF resonators for the future very large lepton colliders
KOLAHIAN ESFAHANI	MOHAMMADHOSSEIN	10,1	9	19,1	ammesso	Tuesday, July 1st	9-11 online	Theoretical study and first-principles investigation of structural, electronic, optical, and magnetic properties of nanostructures and low-dimensional systems
KULUBAYEVA	DIANA	12,2	4	16,2	non ammesso			Machine Learning Approaches to Weak Lensing Statistics
LAMBA	SHIVIKA	8,4	5	13,4	non ammesso			Black Hole Growth
LANZETTI	GIULIA	14	7,5	21,5	ammesso	Thursday, July 3rd	14-17 in presenza	Holography and three dimensional conformal field theories: subleading effects and cross-dimensional connections
LI	FULIN	10,1	5	15,1	ammesso	Thursday, July 3rd	14-17 in presenza	Studying star evolution in the active galactic nuclei (AGN)
LIPPOLIS	LORENZO	16	9,5	25,5	ammesso	Thursday, July 3rd	14-17 in presenza	Dark Matter search with the DarkSide-20k experiment
LOMBARDI	MATTEO	14,2	5,5	19,7	ammesso	Friday, July 4th	11-13 in presenza	Exploring the Meson Spectrum in Large-N QCD via Lattice Simulations
LUCHINA	DAVIDE	14,8	7,5	22,3	ammesso	Friday, July 4th	11-13 in presenza	Constraining extended cosmologies with the thermal Sunyaev-Zel'dovich effect and its cross-correlations with the Large Scale Structure of the Universe
MAESTRI	ANDREA	13,2	8	21,2	ammesso	Friday, July 4th	11-13 in presenza	Hamiltonian Truncation Effective Theory applied to the Schwinger model and to Quantum Chromodynamics
MAGNANI	PAOLO	16,9	9,5	26,4	ammesso	Friday, July 4th	11-13 in presenza	Physics-Informed Neural Networks for Cosmic-ray Air Showers
MAINO	FRANCESCA	14,5	7,5	22	ammesso	Thursday, July 3rd	9-11 online	Cosmological Parameter Inference from Euclid Data via Machine Learning Techniques
MAISANO	CLAUDIO BENIAMINO	14,5	4	18,5	non ammesso			Localization and Holography for Non-Toric AdS/CFT Correspondences

MALATESTA	PAOLO MARIA	14,3	7	21,3	ammesso	Friday, July 4th	11-13 in presenza	Development of the DAQ System and Participation in the Commissioning of the ATLAS ITk Pixel Detector
MASOOD	MUHAMMAD HAWAISA	5,8	6	11,8	non ammesso			Nanostructured Materials with Potential for Energy Production, Conversion and Storage Applications: Synthesis and Characterization
MOHSIN	MUHAMMAD	10,8	4	14,8	non ammesso			Automated Symbolic Calculations for Precision Quantum Corrections: Testing the Standard Model and Beyond with Effective Field Theories
MORELLI	ALESSANDRA	15	8,5	23,5	ammesso	Friday, July 4th	14-17 in presenza	Edge platform for soft and multifunctional sensing
MOZAHEB	SAEED	12,5	4	16,5	non ammesso			Strong Gravitational Lensing as a Tool to Probe Multiscale Astrophysical Structures
MURTAZA	SHAH	5,2	2	7,2	non ammesso			Tuning the structural and optical properties of Cobalt doped Manganese oxide thin film
NADEEM	HAREEM	10,2	5	15,2	ammesso	Tuesday, July 1st	9-11 online	Thermal Management with Nanoparticles using Infrared and UV-Vis Technology
NAQVI	SYED REHAN ALI	11,1	8,5	19,6	ammesso	Tuesday, July 1st	9-11 online	Modelling 3D Vortex Dynamics Past Pinning Potentials in Pulsar Glitches
NARDI	GILBERTO FRANCESCO	15,5	9,5	25	ammesso	Friday, July 4th	14-17 in presenza	Machine learning methods for NANOCatalysts RAtional Design - NANORAD
NEVOLA	ALESSANDRA	11,4	7	18,4	ammesso	Thursday, July 3rd	9-11 online	Relativistic jets from stellar-mass accreting black holes
PALAZZO	GABRIELE	14,7	7,5	22,2	ammesso	Friday, July 4th	14-17 in presenza	Quantum Machine Learning for Multimodal Medical Data Analysis and Synthetic Imaging in Breast Cancer Radiotherapy
PASSERI	DANIELA	16,6	8,5	25,1	ammesso	Friday, July 4th	14-17 in presenza	Development of tissues mimicking phantom embedded with ferrite nanoparticles for thermosensitive applications
PAUL	SIVASISH	7,9	4	11,9	non ammesso			Model Independent Reconstruction of Finsler-Randers Cosmology in the DESI Era
PHAN	NHUT HUAN	15,1	9	24,1	ammesso	Tuesday, July 1st	9-11 online	Microscopic modeling of isobaric analog state charge-exchange reactions for neutron skin determination: Nuclear structure, Coulomb core polarization, and Isospin symmetry breaking effects
PICCIOLINI	MATTEO	14,7	8	22,7	ammesso	Friday, July 4th	14-17 in presenza	The perturbed gravitational wave luminosity distance as a cosmological probe
PINELLI	DANIELE	9,6	5,5	15,1	non ammesso			Precision Cosmology in the Stage-IV Era: Analysis Pipelines, Modelling, and Sensitivity to Beyond-Standard Physics
PIROLA	PIETRO	14,5	9,5	24	ammesso	Friday, July 4th	9-11 online	Water Deuteration in Protoplanetary Disks: The Missing Link Between Prestellar Cores and Planetary Systems

PLEBANI	RICCARDO	10	6,5	16,5	ammesso	Friday, July 4th	14-17 in presenza	Ram Pressure Stripping effects in galactic groups at high redshift
PONTINA	SARA	15,4	7	22,4	ammesso	Monday, July 7th	9-11 in presenza	Investigation into non-perturbative flavor-dependent effects on the determination of the W boson mass
PORTARO	ALESSIA	15	8	23	ammesso	Monday, July 7th	9-11 in presenza	Bootstrap Approach in Lagrangian Cosmological Perturbation Theory: From Displacement Fields to Observables
QAZI	ALLISHBA	7,4	6	13,4	non ammesso			Nanostructured materials with potential for energy production, conversion and storage applications: synthesis and characterization
RADAVELLI	LUCA	11,2	8,5	19,7	ammesso	Monday, July 7th	9-11 in presenza	Semiclassical Approaches to Confinement in Supersymmetric Yang-Mills and SQCD Theories Across Dimensions
RIMINUCCI	ANDREA	13,4	7,5	20,9	ammesso	Friday, July 4th	9-11 online	Power distribution for use in a wide range of future particle physics applications, developing monolithic CMOS sensor with serial powering using a Shunt-LDO as power regulator, from the IDEA concept detector to the new FCC-ee detectors and beyond
RODRIGUES	JOE SAM	6,2	5	11,2	non ammesso			Cosmological applications of gravitational waves (GW): study of the effects of large-scale structure on GW signals, cross-correlation with galaxy surveys and maps of the cosmic microwave background, in the framework of the Einstein telescope, LISA and Euclid collaborations.
ROSATI	MATTIA	15	7,5	22,5	ammesso	Wednesday, July 2nd	9-11 online	Gravitational Waves Cosmology with Stellar Black Hole Binaries
ROTELLA	NICOLO	13,1	8	21,1	ammesso	Tuesday, July 1st	11-13 online	A multiwavelength polarization survey of radio phoenixes in galaxy clusters
SABATER NAVARRO	MARTIN	4,8	9	13,8	non ammesso			Gamma-ray spectroscopy as a tool to study Nuclear Matrix Elements in Neutrinoless Double-Beta Decay
SALIONI	RAFFAELE	15,7	9,5	25,2	ammesso	Monday, July 7th	9-11 in presenza	Adaptive quantum dynamics with neural network quantum states for strongly correlated quantum many-body systems
SAMANTA	SANTANU	3	8	11	non ammesso			Road to a cold, intense beam of antihydrogen for CPT tests at the CERN-ASACUSA experiment
SANABANI	MUAADH	4,7	4	8,7	non ammesso			Electroweak Corrections in Parton Distributions
SARAVANAN	ANNAMALAI				escluso a)			
SARKAR	RATUL	5	2	7	non ammesso			Development and characterization of neuromorphic devices based on nanoparticles and nanostructured films.
SATRIONI	LEONARDO	13,9	8,5	22,4	ammesso	Thursday, July 3rd	9-11 online	Decoherence effects for quantum observables at colliders

SCHRIMPF	HERVE	5	7	12	non ammesso			Key strategies for teaching wave-particle duality in high school: A didactic review comparing different types of experiments
SHAMMA	NOSHIN FERDOUS	6,1	5	11,1	non ammesso			String Cosmology: From Compactification to Consistent Models of Inflation
SHARAFLOU	SARINA	5,3	7	12,3	non ammesso			Protein Condensation: The Role of RNA and Allosteric Regulation
SHUSHARIN	ANDREY	11,9	0,5	12,4	non ammesso			Electroweak corrections at high energy
SOLITO	FEDERICA	12,9	7,5	20,4	ammesso	Friday, July 4th	9-11 online	Exploring Coupled Dark Matter–Dark Energy Models: Theoretical Framework, Numerical Simulations, and Observational Constraints
SPEZIALI	RICCARDO	11,6	6,5	18,1	ammesso	Wednesday, July 2nd	9-11 online	Validazione sperimentale dei Photon Detection Systems per l'esperimento DUNE
STELLATI	SIMONE	14,7	6	20,7	ammesso	Tuesday, July 1st	11-13 online	Modeling and Mitigating Instrumental Systematics in CMB Polarization Experiments
VASQUEZ MORA	MONICA SETIA	15,3	9	24,3	ammesso	Monday, July 7th	11-13 in presenza	Development of integrated electronics solutions for real-time dosimetry in FLASH radiotherapy
VECCHIONE	ANDREA	13	8	21	ammesso	Monday, July 7th	11-13 in presenza	Correspondences between Physical Systems via Renormalization Group Flows
VIDALI	RICCARDO	9	6	15	non ammesso			Resource-Theoretic Algorithms and Compilation for Universal Continuous-Variable Quantum Computing
VIGORITO	VITTORIA	14,9	9,5	24,4	ammesso	Monday, July 7th	11-13 in presenza	NIR-emitting materials embedded in polymeric matrices for FLASH radiotherapy
VULLIERME	QUENTIN	5	7	12	non ammesso			Lifetimes of excited states of neutron-rich copper isotopes
WANG	SHIYUAN				escluso a)			
YASIN	RAGHISA	11,4	8,5	19,9	ammesso	Wednesday, July 2nd	9-11 online	Development of AI-Enhanced Laser Spectroscopic Techniques for Advanced Materials Characterization and Environmental Monitoring
YAVARI	ANAHITA	6,1	6	12,1	non ammesso			Stability Analysis of Warped Protoplanetary Discs
ZANGARI	FEDERICO	16,5	9	25,5	ammesso	Monday, July 7th	11-13 in presenza	Design and characterization of 4D tracking modules for the Upgrade II of the Vertex Locator of the LHCb experiment
ZARRILLI	DAVIDE	15	8	23	ammesso	Wednesday, July 2nd	9-11 online	Investigazione delle proprietà di rinormalizzazione di teorie quantistiche effettive modificate di gravità con curvatura e torsione
ZILLI	GIANCARLO	10,2	3	13,2	non ammesso			Triple Higgs Production

* MOTIVO DI ESCLUSIONE:

a) Documentazione mancante

b) Titolo di studio non idoneo

I candidati ammessi che sosterranno il colloquio online si devono collegare al link ZOOM sotto indicato
Candidates, who are admitted to and requested the online interview, should use the following ZOOM link
<https://cern.zoom.us/j/64338606915?pwd=MfoNWm8xJYRlptBQpJKS7KrOGYEZSz.1>

I colloqui in presenza si terranno presso l'aula Polvani, Dipartimento di fisica, via Celoria 16, 20133 Milano (MI)

Ai candidati ammessi all'orale verrà chiesto di esibire un documento d'identità valido
Candidates admitted to the interview are requested to show a valid ID/passport

Linee guida per lo svolgimento del colloquio sono disponibili al link
Guidelines for the interview are available at
<https://phd.fisica.unimi.it/selections/>