UNIVERSITA' DEGLI STUDI DI MILANO
PUBLIC SELECTION FOR THE ADMISSION TO PH.D SCHOOLS - ACADEMIC YEAR 2024/2025
PH.D SCHOOL IN PHYSICS, ASTROPHYSICS AND APPLIED PHYSICS - XXXX CYCLE
Evaluation of the candidates documents and interviews schedule

[1] *to be admitted to interview, candidates must obtain a minimum of 10 points in the curriculum and a minimum of 5 points in the research project.*

surname	name	project evaluation[1]	curriculum evaluation[1]	total score	outcome (admitted / not admitted / excluded *)	project title	date of interview	interview timing (Italy time zone)	on-site or on-line
AHMAD	DANYAL	1,00	14,58	15,58	not admitted to oral exam	Nanostructured Materials with Potential for Energy Production, Conversion, and Storage Applications: Synthesis and Characterization	-	-	-
ALIMONTI	DAVIDE	9,00	12,16	21,16	admitted to oral exam	Machine-Learning Interaction Potentials for Activated Processes.	22/07/2024	2:00 pm-5:30 pm	on-site
ALMAGIONI	CECILIA DELIA	9,00	12,64	21,64	admitted to oral exam	Snow Cover in Karakoram and Western Himalayas: Past and Future.	22/07/2024	2:00 pm-5:30 pm	on-site
AMJAD	MOHSIN	4,50	13,58	18,08	not admitted to oral exam	Metal-Doped Carbon Nanocomposites: Synthesis, Characterization, and Energy Storage.	-	-	-
APREA	GIACOMO	8,25	11,49	19,74	admitted to oral exam	A Semi-Analytical Model of Entropy Generation in Galaxy Cluster.	22/07/2024	2:00 pm-5:30 pm	on-site
ASGHAR	JUNAID	2,00	10,42	12,42	not admitted to oral exam	RESEARCH PROPOSAL-area of fundamental electronics properties of low dimensional materials and their different uses in technological applications	-	-	-
ASHTAKALA	VENKATA NAGA SAI MEGHANATH	4,00	13,58	17,58	not admitted to oral exam	Quantum Supremacy in Distributed Computation among Networks.	-	-	-
ATTA	USMAN	4,00	11,58	15,58	not admitted to oral exam	Unveiling Neutrino Secrets: Flavour Symmetries for Mass Generation, Oscillations and Beyond.	-	-	-
ATZORI	DANIELE	10,00	16,00	26,00	admitted to oral exam	Calculating the Shape of Events.	22/07/2024	2:00 pm-5:30 pm	on-site
AYUB	NOMAN	2,00	13,50	15,50	not admitted to oral exam	Nanostructured materials with potential for energy production, conversion and storage applications: synthesis and characterization	-	-	-
BAIDYA	MAINAK	3,50	12,58	16,08	not admitted to oral exam	Early Universe Cosmology at the Interface of High Energy Theory and Quantum Information.	-	-	-
BARCELLA	ALICE	8,00	16,00	24,00	admitted to oral exam	Controllo e ottimizzazione della qualità tecnica dell¿immagine radiologica del seno.	22/07/2024	2:00 pm-5:30 pm	on-site
BELLINGERI	ANDREA	7,75	12,53	20,28	admitted to oral exam	Innovative Cryogenic Microelectronic solutions for Next-Generation Low-Noise Low-Power Nuclear Physics Applications	23/07/2024	9:00 am-12:30 am	on-site
BELTRAME	MATTEO	6,00	9,73	15,73	not admitted to oral exam	Cosmological forecasts from the combination of Stage-IV photometric galaxy surveys and the magnification from forthcoming GW observatories.	-	-	-
BENAMER	HICHAM	2,50	7,18	9,68	not admitted to oral exam	Probing Nuclear Deformation with Advanced Density Functional Theory (DFT) Methods.	-	-	-
BERETTA	ANDREA FILIPPO	8,75	13,39	22,14	admitted to oral exam	Characterization of field theories invariant under Parisi-Sourlas supersymmetry.	23/07/2024	9:00 am-12:30 am	on-site
BHAT	VIDYASAGAR	4,00	11,33	15,33	not admitted to oral exam	Dynamics of Giant Molecular Clouds (GMCs) in Interacting Galaxies: Multi-Wavelength Observations.	-	-	-
BIANCHETTI	NICOLA	8,50	12,02	20,52	admitted to oral exam	Dynamical models of cluster members to test the CDM cosmological paradigm.	23/07/2024	9:00 am-12:30 am	on-site
BIBI	MARIAM	4,50	10,42	14,92	not admitted to oral exam	Quantum machine learning algorithms for simulating solid-state systems.	-	-	-
BONORI	GUIDO	8,50	3,48	11,98	not admitted to oral exam	Parisi-Sourlas supersymmetry: localization, uplift and random models.	-	-	-
BREVI	LORENZO	7,75	1,00	8,75	not admitted to oral exam	Physics-informed Neural Networks on classical and quantum computers to address the solution of partial differential equations of physical interest, especially nuclear systems.	-	-	-
CADEO	LAURA	9,25	17,47	26,72	admitted to oral exam	Studying transport-related aerosol emissions through experimental and modelling cutting-edge approaches.	23/07/2024	9:00 am-12:30 am	on-site
CAGLIONI	ALICE	8,25	11,16	19,41	admitted to oral exam	Clusters in Light Nuclei at Intermediate Energies.	23/07/2024	9:00 am-12:30 am	on-site
CARDUCCI	MARCO	4,00	10,36	14,36	not admitted to oral exam	RESEARCH PROPOSAL-quantum field theory of gravity	-	-	-
CASATI	REBECCA	9,00	16,44	25,44	admitted to oral exam	Quantum Computing for Space Missions Scheduling.	23/07/2024	9:00 am-12:30 am	on-site

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CHIURATO	GIORGIO	8,00	12,25	20,25	admitted to oral exam	Sudakov resummation of event shape variables at high logarithmic accuracy in perturbative QCD.	23/07/2024	9:00 am-12:30 am	on-site
COLETTA	CLAUDIO	8,75	13,29	22,04	admitted to oral exam	CNO solar neutrino directional measurements with the JUNO experiment: calibration and dat analysis.	23/07/2024	2:00 pm-5:30 pm	on-site
CORIONI	MARTA	7,00	11,25	18,25	admitted to oral exam	Predicting the non-linear matter power-spectrum for parametrized modified gravity.	23/07/2024	2:00 pm-5:30 pm	on-site
CORTI	ANDREA	8,50	15,72	24,22	admitted to oral exam	Statistical Mechanics of Attention Layers in Deep Neural Networks.	23/07/2024	2:00 pm-5:30 pm	on-site
CRISTOFARO	ANTONIO	6,25	10,92	17,17	admitted to oral exam	Generalized symmetries, anomalies and quantum gravity.	23/07/2024	2:00 pm-5:30 pm	on-site
D'AQUINO	ILARIA	4,00	10,65	14,65	not admitted to oral exam	Coronal properties in Active Galactic Nuclei (AGN).	-	-	-
D'ORONZO	ANTONELLO	6,25	12,45	18,70	admitted to oral exam	General-relativistic physics with torsion and non-metricity: Foundational aspects and applications	23/07/2024	2:00 pm-5:30 pm	on-site
DAL FABBRO	LORENZO	9,50	16,01	25,51	admitted to oral exam	Investigation of the mechanism of action of ionic liquids on biological membranes and proteins.	23/07/2024	2:00 pm-5:30 pm	on-site
DANELUZZO	MARCO	7,25	10,90	18,15	admitted to oral exam	Educazione quantistica: un'urgenza culturale. Dagli esperimenti e dalla visualizzazione scientifica ai concetti fondamentali della meccanica quantistica.	23/07/2024	2:00 pm-5:30 pm	on-site
DELCARMINE	LUCA	9,00	11,88	20,88	admitted to oral exam	Non-classicality in Continuously Monitored Open Quantum Systems	25/07/2024	9:00 am-12:30 am	on-site
DHOLE	DEVESH PRADIPRAO	3,00	11,50	14,50	not admitted to oral exam	Formation and growth of supermassive black holes.	-	-	-
DI PINTO	ANDREA	7,00	11,37	18,37	admitted to oral exam	Ernst Black Holes, in General Relativity and Supergravity.	25/07/2024	9:00 am-12:30 am	on-site
DINDELLI	LUDOVICO	3,50	9,14	12,64	not admitted to oral exam	Localization for AdS/CFT correspondence.	-	-	-
FAVREL	JULES	4,00	13,21	17,21	not admitted to oral exam	Modelling non pertubative QCD effects for hard scattering processes with an analytic couplin approach.	-	-	-
FONTANA	FRANCESCO	8,25	14,21	22,46	admitted to oral exam	Soft matter physics and the origin of Life: the role of molecular self-assembly in the formation the first RNA chains.	18/07/2024	9:00 am-1:30 pm	on-line
FORNASIERO	ILARIA	4,00	10,36	14,36	not admitted to oral exam	Expanding the Research Horizon by Investigating Galaxy Clusters Properties and AGN Feedbac with a Multi-wavelength Approach	-	-	-
FULGHIERI	MICHELE	4,75	13,33	18,08	not admitted to oral exam	Refinement of the theoretical forecast for muon g-2.	-	-	-
GAMBA	SARA	10,00	13,90	23,90	admitted to oral exam	Search for Higgs boson pair production in the $b\bar{b}\gamma \gamma$ with the ATLA detector.	19/07/2024	2:00 pm-5:30 pm	on-line
GENNA	DAVIDE	10,00	15,57	25,57	admitted to oral exam	Tracking The Evolution of Nuclear Structure of Neon Isotopes Towards the Island of Inversion a N = 20.	25/07/2024	9:00 am-12:30 am	on-site
GHOLAMI NEZHAD SHEMIRANI	MOHAMMADREZA	4,00	14,58	18,58	not admitted to oral exam	System for detecting a target material in a sample using liquid crystals.	-	-	-
GOEL	YASHASVEE	4,50	9,42	13,92	not admitted to oral exam	Towards a New Scheme for Proton Parton Distribution Functions (PDFs).	-	-	-
GRANATA	DANIELE	4,25	1,91	6,16	not admitted to oral exam	Black holes in supergravity and string theory.	-	-	-
GRAZIANO	FABIO	4,75	2,64	7,39	not admitted to oral exam	Positronium beam production in the QUPLAS experiment.	-	-	-
GROENENDIJK	EVA DOORTJE ZEE	9,25	16,92	26,17	admitted to oral exam	Small-x resummation in proton-proton collisions for Large Hadron Collider phenomenology.	19/07/2024	2:00 pm-5:30 pm	on-line
GUERCI	FRANCESCO PAOLO	7,00	12,72	19,72	admitted to oral exam	Estimation of First Arrival Times Using a Quantum Speed Limit-Based Approach.	25/07/2024	9:00 am-12:30 am	on-site
GUIDOLIN	FRANCESCO	8,00	11,22	19,22	admitted to oral exam	The fate of very massive stars: Hypernovae, Superluminous supernovae with SoXS.	25/07/2024	9:00 am-12:30 am	~~on-site~~ on-line
HASHAM	MUHAMMAD ASIF	4,00	13,67	17,67	not admitted to oral exam	Research Topic Performance Optimization of n-SnO2-CH3NH3SnI3-NiO-p Perovskite Solar Cell.	-	-	-
HASSAN	HASEEB	3,00	11,58	14,58	not admitted to oral exam	Radiative Cooling of Doubly Ionized Species in Heated Upper Atmospheres of Potential Habitable Exoplanets Around M Dwarfs	-	-	-
HOSSAIN	ASLAM	8,25	16,21	24,46	admitted to oral exam	Computational Study of Surface Interactions for Enhanced Hydrogen Storage: A First-Principles Comparative Analysis of N-Heterocyclic Carbenes on Cu(111), Au(111), and Ag(111) Substrates	18/07/2024	9:00 am-1:30 pm	on-line
HOSSEINNEZHAD	AMIRHOSSEIN	7,25	17,05	24,30	admitted to oral exam	Free-Electron Laser bases on two fold acceleration and arc compressor.	18/07/2024	9:00 am-1:30 pm	on-line

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HOURIA	FATIMA	9,50	15,82	25,32	admitted to oral exam	Development of new hybrid scintillators for future neutrino experiments.	25/07/2024	9:00 am-12:30 am	on-site
HVARING	GIACOMO RICCARDO	8,25	12,37	20,62	admitted to oral exam	Experimental Studies on Quantum Vortex Dynamics in Superfluids of Ultracold Fermionic Li Atoms.	25/07/2024	9:00 am-12:30 am	on-site
IQBAL	TAYYAB	1,00	13,75	14,75	not admitted to oral exam	MASTER THESIS	-	-	-
JANKOWSKI	PATRYK	8,00	9,91	17,91	not admitted to oral exam	Investigation of temporal radial drift evolution in protoplanetary discs of intermediate mass stars.	-	-	-
KURMANOVA	ZHULDYZAY	4,00	17,16	21,16	not admitted to oral exam	Biodegradable Proteinoid Polymer Nanoparticles for Antipsychotic Drug Delivery: Drug Loadir and Cell Membrane Interaction	-	-	-
LAURORA	NICCOLO	9,25	14,97	24,22	admitted to oral exam	Exploring the field of Quantum Machine Learning.	18/07/2024	9:00 am-1:30 pm	on-line
MADDALONI	FRANCESCA SAVERIA	8,75	18,94	27,69	admitted to oral exam	Innovative approaches in Photon-Counting CT: characterization and development of front-edg applications.	18/07/2024	3:00 pm-5:30 pm	on-site
MAINERI	GIULIA	9,75	16,24	25,99	admitted to oral exam	Search for dark photons from Higgs boson decays with data collected by the ATLAS detectc during the Run 3.	18/07/2024	3:00 pm-5:30 pm	on-site
MALANGA	LORENZO ALESSIO	9,50	14,17	23,67	admitted to oral exam	Developing a next level population synthesis model to reproduce the observed demographics protoplanetary discs	18/07/2024	3:00 pm-5:30 pm	on-site
MANTEGAZZA	FABIO	7,25	16,42	23,67	admitted to oral exam	Exact results on the strong dynamics of interacting and confining gauge theories.	18/07/2024	3:00 pm-5:30 pm	on-site
MARCANTONIO	FRANCESCO	6,75	11,57	18,32	admitted to oral exam	Realization of Anti-de Sitter and de Sitter Vacua with Supergravity.	18/07/2024	3:00 pm-5:30 pm	on-site
MARCELLI	ALESSANDRO	4,00	10,16	14,16	not admitted to oral exam	Probing the nature of dark energy through N-body cosmological simulations.	-	-	-
MARUFFI	EDOARDO	4,00	11,06	15,06	not admitted to oral exam	Monte Carlo Technique for Physics Beyond Standard Model.	-	-	-
MASCHERPA	CHIARA	9,25	11,57	20,82	admitted to oral exam	Phase transitions for Black Holes: an answer from Holography.	19/07/2024	9:00 am-12:30 am	on-site
MAULE	RICCARDO	4,00	10,12	14,12	not admitted to oral exam	Investigating Primordial Black Holes and Stochastic Gravitational Waves.	-	-	-
MEDUNTSEVA	NATALYA	2,50	13,58	16,08	not admitted to oral exam	Chemical complexity in a young Class I protostellar disk.	-	-	-
MEGALIZZI	SILVIA	9,00	12,21	21,21	admitted to oral exam	Enhancing Lung Cancer Diagnosis and Treatment: Integrating Radiomics with High-Resolutio Micro-CT/MRI Imaging Techniques	19/07/2024	9:00 am-12:30 am	on-site
MIZINTSEVA	ANNA	7,75	1,29	9,04	not admitted to oral exam	Exploring Multifunctional Magnetic Nanostructures for Theranostics and Combined Therapy.	-	-	-
MOHAMED	OMER	4,00	16,83	20,83	not admitted to oral exam	Utilization of Neutron Activation Analysis to Investigate the Yield of Activation Products in Construction Materials of Former Nuclear Power Plants.	-	-	-
MUNIR	ANUM	4,50	14,75	19,25	not admitted to oral exam	Study of Graphene, Graphene-Based Devices and its Potential Applications for Molecula Switches.	-	-	-
NARVAEZ HERNANDEZ	ROBERTO	8,50	15,38	23,88	admitted to oral exam	Reinforcement Learning as a tool for Quantum Control in digital quantum computation.	18/07/2024	9:00 am-1:30 pm	on-line
NAVONI	ANDREA	8,00	12,35	20,35	admitted to oral exam	Simulation of quantum contextuality via classical resources.	19/07/2024	9:00 am-12:30 am	on-site
PALINI	LUCA	9,50	15,18	24,68	admitted to oral exam	Algoritmi di clustering, lossless compression e A.I. tramite FPGA ed eFPGA per front-end c rivelatori in fisica delle alte energie	19/07/2024	9:00 am-12:30 am	on-site
PANICHI	GIORGIO	5,50	0,94	6,44	not admitted to oral exam	Advancements in Quantum Physics-Informed Neural Networks (QPINNS) for Solving Comple Scientific and Engineering Problems	-	-	-
PAPAGNI	GIACOMO	6,50	8,21	14,71	not admitted to oral exam	Page-Wootters mechanism: toward a relational time in quantum mechanics.	-	-	-
PASSERI	DANIELA	8,50	12,73	21,23	admitted to oral exam	Irraggiamento di Modelli Tumorali su Chip per lo Studio della Radioresistenza nel Tumore Pancreas.	19/07/2024	9:00 am-12:30 am	on-site
PAUL	SIVASISH	2,50	13,13	15,63	not admitted to oral exam	Understanding the Dark Side of The Universe with the Present and Future Astronomical Surveys	-	-	-
PETROSYAN	ALEKSANDR	7,50	10,25	17,75	admitted to oral exam	Development of a Lorentz-invariant theory of dissipative systems.	18/07/2024	9:00 am-1:30 pm	on-line
PISTOLESI	ANDREA	7,25	13,74	20,99	admitted to oral exam	Problemi di Estremizzazione in AdS/CFT.	19/07/2024	9:00 am-12:30 am	on-site
PORCARI	ALESSANDRO	7,50	15,42	22,92	admitted to oral exam	Computation of the ¿r parameter at the second order in the electroweak theory.	~~19/07/2024~~ 22/07/2024	9:00 am-12:30 am	on-site
RABIA	RIMSHA	3,50	15,29	18,79	not admitted to oral exam	Carbon Nanostructures and nanotechnologies used in Energy Storage Sensors.	-	-	-

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RADICE	STEFANO	9,75	10,51	20,26	admitted to oral exam	Developing neuromorphic computing and receptron networks towards edge computing application.	19/07/2024	2:00 pm-5:30 pm	on-site
RASO	LEONARDO	7,25	11,92	19,17	admitted to oral exam	Development of Semiclassical Methods for Quantum Dynamics.	19/07/2024	2:00 pm-5:30 pm	on-site
RIANI	CECILIA	8,50	16,63	25,13	admitted to oral exam	Optimizing the Benefit/Risk Ratio in Cancer Diagnosis and Radiotherapy Using Deep Learning Methods.	19/07/2024	2:00 pm-5:30 pm	on-site
ROMANO	NICOLO'	6,25	11,91	18,16	admitted to oral exam	Riduzione dimensionale di Scherk-Schwarz generalizzata e soluzioni comuni in teorie in diverse dimensioni	18/07/2024	9:00 am-1:30 pm	on-line
RONCOLI	GIOVANNI	9,00	11,06	20,06	admitted to oral exam	Bohm-Aharonov Effect Using Antiprotons in Asacusa Experiment.	19/07/2024	2:00 pm-5:30 pm	on-site
ROTELLA	NICOLO	4,00	9,91	13,91	not admitted to oral exam	Multiwavelength study of the phoenix source in Abell 795: investigating particle acceleration mechanisms	-	-	-
SAJJAD	AHMED	3,50	13,13	16,63	not admitted to oral exam	Utilization of Ag-Cu-MWCNTs Alloy Doped with Oleic Acid as a Biosensor for Enhanced Detection Applications	-	-	-
SALA	GABRIELE FRANCESCO	9,00	15,68	24,68	admitted to oral exam	Resummation of low-qt divergences in the azimuthal asymmetries of hadronic processes.	22/07/2024	9:00 am-12:30 am	on-site
SANTINI	GIANLUCA	7,00	13,86	20,86	admitted to oral exam	Analisi della farmacodinamica dell'acido rosmarinico nei confronti di oncoproteine K-Ras progettazione di derivati ad elevata affinità	22/07/2024	9:00 am-12:30 am	on-site
SCHIAVONE COLERE	FEDERICO GIOVANNI BATTISTA	4,50	10,96	15,46	not admitted to oral exam	Ampliamento della rete di telescopi SOLARIS: osservazioni solari dall'emisfero nord.	-	-	-
SCHLUCK	JONATHAN	7,00	14,61	21,61	admitted to oral exam	Optimized Hamiltonian learning for ferromagnetic many-qubit systems.	19/07/2024	2:00 pm-5:30 pm	on-line
SHAH	VARUN	6,75	10,50	17,25	admitted to oral exam	Timing Based Spin and Mass Measurements of Neutron Star X-Ray Binaries: Applying the Relativistic Precession Model	18/07/2024	9:00 am-1:30 pm	on-line
SOAVE	ALESSANDRO	9,00	14,46	23,46	admitted to oral exam	The interplay of chemistry and dynamics at the dawn of planet formation.	~~22/07/2024~~ 19/07/2022	9:00 am-12:30 am	on-site
SPIRITO	EMANUELE	4,50	17,16	21,66	not admitted to oral exam	Explaining dark matter and the muon anomalous magnetic moment.	-	-	-
STEGANI	BRUNO	9,00	13,93	22,93	admitted to oral exam	Shedding light on microtubule assembly and disassembly at atomistic resolution with ensemble structure based model	22/07/2024	9:00 am-12:30 am	on-site
TANVEER	MUHAMMAD SOHAIB	8,50	11,86	20,36	admitted to oral exam	Shedding light on photocatalysts.	22/07/2024	9:00 am-12:30 am	on-site
THAKKAR	PAARTH	8,50	14,40	22,90	admitted to oral exam	QCD and EW corrections at the LHC.	18/07/2024	9:00 am-1:30 pm	on-line
TOGNOCCHI	FRANCESCO	8,00	11,26	19,26	admitted to oral exam	Dynamics and Excitations of Strongly Interacting Quantum Many-Body Systems with Neural Network Quantum States.	22/07/2024	9:00 am-12:30 am	on-site
TONINI	MARTA	7,50	14,79	22,29	admitted to oral exam	Study of the interplay between the nano- and the mesoscale film structure and the electrical transport in nanostructured gold resistive switching networks.	22/07/2024	9:00 am-12:30 am	on-site
TRESOLDI	CATERINA	7,00	13,87	20,87	admitted to oral exam	A Systematic Search and Future Prospects for Compact Binary Systems in Gamma-Rays.	22/07/2024	2:00 pm-5:30 pm	on-site
VIGNATI	ELENA	9,00	15,04	24,04	admitted to oral exam	Caratterizzazione sperimentale del trasporto radiativo della luce solare negli strati superficiali di manto nevoso.	22/07/2024	2:00 pm-5:30 pm	on-site

Date 12/07/2024