UNIVERSITA' DEGLI STUDI DI MILANO
PUBLIC SELECTION FOR THE ADMISSION TO PH.D SCHOOLS - ACADEMIC YEAR 2023/2024
PH.D SCHOOL IN PHYSICS, ASTROPHYSICS AND APPLIED PHYSICS - XXXIX 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	on-site or on-line
ABDELRAHMAN ASSADIG ELAMEN	ASHRAF	4,0	11,0	15,0	not admitted to oral exam	Proton Conductivity in Multi-component ABO4-type Oxides.	-	-	-
AFZAL	MUHAMMAD	-	5,0	5,0	not admitted to oral exam	Synthesis of Hydrogel for Thermomechanical Investigation.	-	-	-
AHMAD	WAQAR	6,5	5,0	11,5	not admitted to oral exam	Black Hole Growth.	-	-	-
ALI	MUHAMMAD	4,0	5,0	9,0	not admitted to oral exam	Jet Cross Section in pp Collision at 5.02 TeV.	-	-	-
ALI	SAIM	4,8	5,0	9,8	not admitted to oral exam	STATEMENT OF RESEARCH INTERESTS	-	-	-
ALVI	KAYNAT	5,5	6,0	11,5	not admitted to oral exam	Investigation of electro-optical and magnetic responses of 2D Janus materials (MoSeTe) on Tl doping and strain	-	-	-
ANDREETTO	FRANCESCO	7,4	11,3	18,7	admitted to oral exam	Analisi dei foregrounds polarizzati della Via Lattea per la caratterizzazione delle misure di polarizzazione del CMB dell'Osservatorio del Teide a Tenerife.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ANNONI	EMILIO	8,0	11,7	19,7	admitted to oral exam	Efficient characterization of imperfect light.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
APOLLONIO	LORENZO	8,6	13,7	22,3	admitted to oral exam	Anisotropy Studies with improved Techniques to Reconstruct UHECRs Mass (ASTRUM).	19/05/2023	10:30 am-1:30 pm	on-line
ARSLAN	MUHAMMAD	4,5	5,0	9,5	not admitted to oral exam	Synthesis of BaTiO3 Nano Material with Composite-Hydroxide-Mediated (CHM) Method an their Characterization.	-	-	-
ATTAFI	YOUSRA	6,3	6,5	12,8	not admitted to oral exam	Development and characterization of fiber lasers based on phosphate glasses and glas ceramics.	-	-	-
AWULACHEW	SHINIE	6,5	9,0	15,5	not admitted to oral exam	First Principle Study of Electrochemical Reduction of CO2 Over Cu1-X/Mx(M= Pd, Ag, Au Catalyst Surface Alloys	-	-	-
AYOQI	NAJMEH	4,5	5,0	9,5	not admitted to oral exam	Development of nanomaterials through physical techniques for chemical sensors.	-	-	-
BARATTO	MATTEO	6,6	11,5	18,1	admitted to oral exam	Studio del modello di puntamento e caratterizzazione degli effetti sistematici per il telescop LSPE/Strip.	23/05/2023	9:00 am-10:30 am	on-site (AP)
BARBERI SQUAROTTI	MATILDE	8,5	12,5	21,0	admitted to oral exam	Cosmologia con l'intensity mapping dell'idrogeno neutro e la tecnica multi-tracciatore.	23/05/2023	9:00 am-10:30 am	on-site (AP)
BARTALESI	TOMMASO	7,0	10,5	17,5	admitted to oral exam	Gas rotation and dark matter shape in cool-core clusters.	19/05/2023	10:30 am-1:30 pm	on-line
BECCATINI	LUCA	7,0	11,1	18,1	admitted to oral exam	Modern NLO generator with GPU and neural network.	19/05/2023	10:30 am-1:30 pm	on-line
BEDUZZI	LUCA	6,4	9,9	16,3	not admitted to oral exam	Seeding of Cosmic Ray Electrons and Intra-Cluster Medium emission in Numerical Simulations.	-	-	-
BOWAIRE	ANIKE NELCE	4,5	9,0	13,5	not admitted to oral exam	Understanding the formation and evolution of black holes, and development of observational model of particel's interactionns for the search of UHECR.	-	-	-
BRAMBILLA	RICCARDO	6,5	11,3	17,8	admitted to oral exam	Sviluppo di una Nuova Generazione di Rivelatori per la Ricerca Diretta di Materia Oscura.	23/05/2023	9:00 am-10:30 am	on-site (AP)
BRESSAN	SILVIA	8,8	11,4	20,2	admitted to oral exam	Development and characterization of nanostructured devices for neuromorphic computation spiking signals	23/05/2023	9:00 am-10:30 am	on-site (AP)
BROLLI	STEFANO	7,8	12,9	20,7	admitted to oral exam	A novel diagrammatic Monte Carlo method for ab initio nuclear physics.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
CAMPAILLA	GIULIA	8,0	11,6	19,6	admitted to oral exam	Toward a Generalized Dark Radiation Model.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
CHIZHIK	GLEB	7,3	12,0	19,3	admitted to oral exam	Neutron timelike electromagnetic form factors measurement near the threshold based on th data analysis taken on the SND detector	19/05/2023	10:30 am-1:30 pm	on-line
CIABATTINI	STEFANO	7,8	10,7	18,5	admitted to oral exam	Dwarf galaxies as primordial cradles of life in the universe.	19/05/2023	10:30 am-1:30 pm	on-line
CINTURA	LUCA	7,3	10,9	18,2	admitted to oral exam	Framework for the Simulation of the Atmospheric Impact on CMB Ground-Based Observations	23/05/2023	1:30 pm-7:00 pm	on-site (AP)

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CODISPOTI	SIMONE	8,5	11,5	20,0	admitted to oral exam	Liquid-liquid phase separation of nucleic acids and peptides: linking macroscopic properties molecular features	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
COVALAM VIJAYAKUMAR	NITHISH KUMAR	7,5	10,5	18,0	admitted to oral exam	Study of Hypernuclei and Hyperonic Matter within Density Functional Theory.	19/05/2023	10:30 am-1:30 pm	on-line
COZZOLONGO	GIOVANNI	6,5	11,2	17,7	admitted to oral exam	Ricerca sistematica di onde gravitazionali correlate ai glitch delle pulsar a raggi gamma.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
D'AMICO	FRANCESCO	8,0	12,9	20,9	admitted to oral exam	L'approccio della fisica statistica per lo studio dei fenomeni emergenti nelle reti neurali artificiali	19/05/2023	10:30 am-1:30 pm	on-line
DRADI	MICHELE	8,0	12,9	20,9	admitted to oral exam	Il calcolo delle correzioni NNLO elettrodeboli al processo di Drell-Yan a LHC.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
EFTHYMIOU	STAVROS	7,3	12,8	20,1	admitted to oral exam	Classical simulation of 100 qubits.	19/05/2023	10:30 am-1:30 pm	on-line
ENGTI	ANGRING	1,0	5,0	6,0	not admitted to oral exam	ADM Formalism of General Relativity.	-	-	-
ESSEBEI	OMAR	4,5	10,6	15,1	not admitted to oral exam	What is the principle of equivalence?	-	-	-
FEDRIGO	GIACOMO	7,8	11,0	18,8	admitted to oral exam	Characterization of Electromagnetic Counterparts to LISA Detections through GRMHD Simulations of Supermassive Black Hole Binaries.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
FINGER BASSO	LETICIA	8,0	11,0	19,0	admitted to oral exam	Addressing the Toxicity of Ag Nanoparticles: Molecular Dynamics with a Machine-Learned Force Field.	19/05/2023	4:00 pm-6:00 pm	on-line
FORNASA	ENRICO	7,3	10,8	18,1	admitted to oral exam	High precision perturbative QCD calculations for Large Hadron Collider physics.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
GALIZZI	FEDERICO	7,5	13,0	20,5	admitted to oral exam	Realizzazione e validazione sperimentale del Photon Detection System di ProtoDUNE.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
GARBARINO	PAOLO	7,3	13,2	20,5	admitted to oral exam	Inclusive semileptonic decays of heavy mesons: determination of Vub e Vcb.	23/05/2023	1:30 pm-7:00 pm	on-site (AP)
GEMINARDI	ANDREA	7,0	5,0	12,0	not admitted to oral exam	Constraining hierarchical black-hole mergers with the stochastic gravitational-wave background.	-	-	-
GLORIOSO	PIETRO	7,5	13,3	20,8	admitted to oral exam	Microstates of holographic black holes.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
GUIMAPI SOKENG	VITRICH	4,0	9,5	13,5	not admitted to oral exam	Signal Capture and Amplification in Granular Non-Linear Medium: Application to Energy Harvesting Output Optimization	-	-	-
HASEEB	MUHAMMAD	4,0	5,0	9,0	not admitted to oral exam	CONDENSED MATTER PHYSICS	-	-	-
HUSSAIN	GULZAR	7,0	11,3	18,3	admitted to oral exam	Synthesis and Characterization of Rare Earth metal Substituted Bismuth ferrites (BFO) Multiferroics and Analysis of Dielectric Dispersion and Magnetoelectric Coupling in Graphene Oxide Based Nano-architectures for Futuristic Energy Storage materials and devices.	19/05/2023	4:00 pm-6:00 pm	on-line
INZANI	TOMMASO	8,5	12,8	21,3	admitted to oral exam	Entropy-driven biological liquid-liquid phase separation.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
IQBAL	JUNAID	5,0	5,0	10,0	not admitted to oral exam	Automated Transient Detection in Time-Domain Astronomy to the Study of Evolution of Galaxy Morphology Corresponding with Gravitational Lensing Using Adaptive Kernel Spectral Clustering (AKSC) Algorithm & Deep Long Short-Term Memory – Convolutional Recurrent Neural Networks (LSTM-CRNNs).	-	-	-
ISMAIL	KHAWAR ISMAIL	4,5	7,0	11,5	not admitted to oral exam	Theoretical (DFT) and experimental study of materials properties for thermoelectric optoelectronic devices applications	-	-	-
JAVED	TALHA	5,0	5,0	10,0	not admitted to oral exam	Electron Transport Phenomenon And optoelectronic properties of metal oxide and sulfide nanocomposites with SOFC technology for power generation.	-	-	-
KAGHO ZANGUIM	JAUREL	7,5	10,8	18,3	admitted to oral exam	COMES: Chiro-Optical properties of Metallic nanoparticles.	26/05/2023	10:30 am-1:30 pm	on-site (AD)
KHALIQ	AFAQ	4,5	5,0	9,5	not admitted to oral exam	Synthesis, structural, electrical, and magnetic characterization of spinel nanoferrites.	-	-	-
KHAN	ABBAS	6,5	12,1	18,6	admitted to oral exam	Thermal Properties and Stability of Black Holes.	26/05/2023	10:30 am-1:30 pm	on-site (AD)
KHAN	MUHAMMAD JAWAD	4,5	11,7	16,2	not admitted to oral exam	Development of Smart Glass for Energy-efficient Buildings: A Study of Electrochromic and Thermochromic Properties	-	-	-
LEPRI	FEDERICO	8,5	13,7	22,2	admitted to oral exam	Optimal redshift estimation for Euclid Slitless Spectroscopy.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
LUCIANI	MASSIMILIANO	8,1	11,8	19,9	admitted to oral exam	Searching for the microscopic origin of shape coexistence in Ca isotopes.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)

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LUPPI	PAOLO	7,8	12,8	20,6	admitted to oral exam	Non-Markovian Dynamics and Multi-Time Statistics in Quantum Stochastic Processes.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MADA PARAMBIL	FARHANA THESNI	8,0	10,8	18,8	admitted to oral exam	Fragmentation of Evev-Even Ions for the Study of A-Clustering for Projectile Energies in the Range of 200-400 MeV/U.	19/05/2023	4:00 pm-6:00 pm	on-line
MAHDAVI RAD	ROSHANAK	6,8	9,9	16,7	not admitted to oral exam	Observations and modelling of the large-scale structure of the Universe: estimate of cosmological parameters and neutrino mass, tests of General Relativity and primordial Non-Gaussianity	-	-	-
MANTEGAZZA	FABIO	7,3	12,8	20,1	admitted to oral exam	Exact results on the strong dynamics of interacting and confining gauge theories.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MARABOLI	ENRICO AUGUSTO	9,0	12,2	21,2	admitted to oral exam	Mass decomposition and scaling laws in galaxy clusters.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MARIANI	FRANCESCO	7,0	11,5	18,5	admitted to oral exam	Studio e sviluppo di magneti in HTS con caratterizzazione dei conduttori (per Adroterapia Fisica delle Alte Energie)	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MILANESIO	FEDERICO	8,8	12,9	21,7	admitted to oral exam	Geometric Compression & Manifold Evolution in Neural Networks.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MINI	IRENE	7,8	11,9	19,7	admitted to oral exam	Image Simulations of Highly Magnified Clumpy Galaxies.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MONACO	SAVERIO	7,3	12,9	20,2	admitted to oral exam	Studio e sviluppo di Modelli di Quantum Machine Learning per la Fisica delle Alte Energie.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MONTORSI	FILIPPO	7,8	12,5	20,3	admitted to oral exam	Further developments in topological quantum computation on supersymmetric spin chains.	24/05/2023	2:00 pm-7:00 pm	on-site (AC)
MUGHAL	SABAHAT	6,5	9,7	16,2	not admitted to oral exam	Nonlinear Plasma Dynamics and antimatter confinement.	-	-	-
MUKHTAR	ZAID	4,0	10,7	14,7	not admitted to oral exam	Zinc Doped Cobalt Ferrite Nanoparticles.	-	-	-
PAGGI	STEFANO	6,0	9,0	15,0	not admitted to oral exam	Interactions between impurity and continuum states in material specific cerium compounds with DMFT.	-	-	-
PANDA	MANJULESHWAR	-	5,0	5,0	not admitted to oral exam	-	-	-	-
PARENTE	LUCA	7,3	10,5	17,8	admitted to oral exam	Improving the study of the topological susceptibility in full QCD at high temperature with lattice Monte Carlo algorithms	19/05/2023	4:00 pm-6:00 pm	on-line
PASQUI	MATTEO	7,3	11,7	19,0	admitted to oral exam	Ricerca di Heavy Neutral Leptons in decadimenti semileptonici del mesone B in LHCb al CERN.	19/05/2023	4:00 pm-6:00 pm	on-line
PERCALLI	ELISA	8,5	13,1	21,6	admitted to oral exam	Calibration and data analysis of the JUNO experiment.	22/05/2023	10:30 am-1:00 pm	on-site (AP)
PEZZOTTA	VIVIANA	8,8	12,3	21,1	admitted to oral exam	Multimolecular Tracers of Protoplanetary Dynamics.	22/05/2023	10:30 am-1:00 pm	on-site (AP)
PISCITELLI	SIMONE	4,5	10,5	15,0	not admitted to oral exam	Test di relatività generale su sistemi binari di buchi neri: esplorazione sulle possibili evoluzioni del merger-concistency test	-	-	-
QUNI	BARDH	7,5	10,2	17,7	admitted to oral exam	Extension of the Standard Model with an Extra U(1) Dark Sector: Enhancing the W Boson Mass and Offering a Viable Dark Matter Candidate for Future Direct Detection Experiments.	26/04/2023	10:30 am-1:30 pm	on-line
RADICE	STEFANO	9,0	10,3	19,3	admitted to oral exam	Bad Metals: Investigating the Electronic Transport Mechanisms in Nanogranular Metallic Systems.	22/05/2023	10:30 am-1:00 pm	on-site (AP)
RAGAZZI	GIOVANNI	7,8	12,9	20,7	admitted to oral exam	QUANTUM WALKS	22/05/2023	10:30 am-1:00 pm	on-site (AP)
RAMPINELLI	LUNA	8,8	13,8	22,6	admitted to oral exam	An Astrochemical Pathway to Unveil Planet Formation.	22/05/2023	10:30 am-1:00 pm	on-site (AP)
REHMAN	AZKA	6,0	9,5	15,5	not admitted to oral exam	Comprehensive Experiment and DFT Study of of Samarium-doped Double Transition Metal MXene-based Photoanode Material for Dye-Sensitized Solar Cell.	-	-	-
RIPAMONTI	DAVIDE	7,0	9,9	16,9	not admitted to oral exam	I Biofilm sono la nuova frontiera nella Fisica dei materiali? La rivoluzione in campo sperimentale.	-	-	-
RIPPA	FABRIZIO	7,3	12,2	19,5	admitted to oral exam	Gauge/Gravity duality.	26/05/2023	10:30 am-1:30 pm	on-line
RUI	EMILIO	8,0	12,9	20,9	admitted to oral exam	Tensor network simulation for superconducting circuit design.	26/05/2023	10:30 am-1:30 pm	on-line
RUZZA	ALESSANDRO	8,5	12,9	21,4	admitted to oral exam	Planet hunting in protoplanetary discs: deciphering dust substructures and kinematical signatures with machine learning	22/05/2023	10:30 am-1:00 pm	on-site (AP)
SAEED KHAN	MUHAMMAD AMER	4,5	5,0	9,5	not admitted to oral exam	Investigating Transparent Conductive Oxides Thin Films for Energy Storage and Optoelectronic Devices.	-	-	-
SAFDAR	ARSLAN RAZA	4,5	5,0	9,5	not admitted to oral exam	Improvement in the crystal quality of m-plane, a-plane, or semipolar gallium nitride (GaN) thin films using the MOCVD technique for the most reliable & high-efficiency Optoelectronic devices	-	-	-

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SCHULZ	MATTEO	7,9	11,0	**18,9**	**admitted to oral exam**	Gravitational Waves as Dark Sirens: an Astrophysical and Cosmological Analysis.	22/05/2023	10:30 am-1:00 pm	on-site (AP)
STEGANI	BRUNO	8,0	11,0	**19,0**	**admitted to oral exam**	Shedding light on microtubule assembly and disassembly at atomistic resolution with ensemble structure based model	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
SUNNY	ALAN	6,8	11,2	**18,0**	**admitted to oral exam**	Large Scale Structures of The Universe : Observations and Modelling to Estimate Cosmological Parameters and Neutrino Mass, Test Modified Gravity and Primordial Non-Gaussianity.	26/05/2023	10:30 am-1:30 pm	on-line
TAHIR	MUHAMMAD	4,5	5,0	**9,5**	**not admitted to oral exam**	Synergistic Electrical and Thermal Conductivity Approach for Modified Thermoelectricity Bismuth Telluride Selenide	-	-	-
TANVEER	MUHAMMAD SOHAIB	-	5,0	**5,0**	**not admitted to oral exam**	GRAVITATIONAL WAVE	-	-	-
TCHOUTO NOUNKEU	ALEX JOSPIN	2,0	5,0	**7,0**	**not admitted to oral exam**	Nanoscale frictional anisotropy of Molybdene disulfide and graphite structures.	-	-	-
TOPCU	BERK	3,5	5,0	**8,5**	**not admitted to oral exam**	-	-	-	-
TORNOTTI	DAVIDE	8,0	12,5	**20,5**	**admitted to oral exam**	The Impact of Agn Feedback on the Circumgalactic Medium.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
TRABATTONI	VALERIA	6,0	9,9	**15,9**	**not admitted to oral exam**	Sviluppo di un ASIC di front-end per lettura di rivelatori a temperatura criogenica.	-	-	-
TRESOLDI	MATTEO	8,3	11,2	**19,5**	**admitted to oral exam**	Numerical implementation of the nested soft-collinear subtraction scheme for generic collider processes at NNLO QCD.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
UL HAQ	SIRAJ	6,0	9,7	**15,7**	**not admitted to oral exam**	Atomistic simulation of the rare earth free/rare earth lean Fe-based alloy magnets using first principle calculations	-	-	-
USSIA	GIUSEPPE	6,5	11,0	**17,5**	**admitted to oral exam**	Radio continuum star formation tracer in low massive galaxies and its correlation to the infrared counterparts.	26/05/2023	10:30 am-1:30 pm	on-line
YASIN	USWAH	4,0	10,9	**14,9**	**not admitted to oral exam**	Investigation of Magnetic, Mechanical, Dielectric Properties and Critical Thickness of FeSe/SrTiO3 Interface System for Photovoltaic Application.	-	-	-
ZAIN	MUHAMMAD	6,5	9,5	**16,0**	**not admitted to oral exam**	Investigating the properties of Dark Photons with ATLAS experiment.	-	-	-
ZALLIO	LUIGI	8,3	10,3	**18,6**	**admitted to oral exam**	Constraining turbulence in proto-planetary discs: evolution of global disc quantities and new analysis of the disc rotation curve	26/05/2023	10:30 am-1:30 pm	on-line
ZAMBON	ALESSANDRO	7,0	12,1	**19,1**	**admitted to oral exam**	Exploration of High-Fitness Regions in Protein Sequences Space Through Artificial-Intelligence Techniques.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ZANETTI	MARTINO	7,7	11,7	**19,4**	**admitted to oral exam**	Plasma and beam-based antimatter physics at ASACUSA.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ZANZOTTERA	RICCARDO	7,8	13,6	**21,4**	**admitted to oral exam**	Development of Depleted Monolithic Active Pixel sensors in HVCMOS technology for applications in High Energy Physics experiments.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ZAPELLI	LUCA	8,3	11,2	**19,5**	**admitted to oral exam**	Implementing frequency and detector noise correlations in component separation analyses for Cosmic Microwave Background experiments.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ZECCOLI MARAZZINI	MATTEO	7,5	12,5	**20,0**	**admitted to oral exam**	Metodi di intelligenza artificiale per la ricerca di anomalie nei dati dello strumento LSPE/Strip.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ZENTILINI	PAOLO	7,3	11,3	**18,6**	**admitted to oral exam**	Achievieng quantum advantage by recasting graph neural network into quantum computers.	22/05/2023	2:00 pm-7:00 pm	on-site (AP)
ZULQARNEN	RAJA	4,5	10,0	**14,5**	**not admitted to oral exam**	Synthesis,Characterization and Applications in different fileds of core@shell Nanoparticle.	-	-	-

Date 16/05/2023