

**Laurea Magistrale in FISICA**

(DM 270/04)

**26 luglio 2019**

- *Tackling Thermal Effects in the Advanced Virgo Optical Aberrations Control System* → Riccardo MAGGIORE
- *Excitonic effects in pump-probe photoemission* → Silvia BIANCHI
- *Gauge/Gravity Duality and Resolution of Unoriented Calabi-Yau Singularities* → Davide BUFALINI
- *Nonequilibrium Green's Functions approximation schemes for spectral function of interacting electron-boson systems* → Paolo GAZZANEO

**27 settembre 2019**

- *Study of innovative Resistive Plate Chambers for the Atlas Experiment Phase-I Upgrade* → Giorgia PROTO
- *Constraints on cosmological parameters from isotropic and anisotropic components of BAO data* → Bohdan BIDENKO
- *Modeling of High Finesse Optical Cavities for the reduction of Scattering Losses in Advanced Virgo* → Priyanka GIRY
- *Point analysis of Ligo-Virgo and a neutrino >> network data for type II Supernova search* → Chichak GULUYEVA
- *Effects of accreting Primordial Black Holes on the Cosmic Microwave Background* → Lorenzo PIGA
- *Decaying Dark Matter Model Constrains with FlexKnot Reionization History* → Wang WANG
- *Dinamiche parallele nei sistemi di spin* → Matteo VEGLIANTI
- *Low dimensional dynamics of spiking neuronal networks* → Gianni Valerio VINCI

**25 ottobre 2019**

- *Unravelling information transfer in the solar wind-magnetosphere-ionosphere system* → Mirko STUMPO
- *La statistica della Radiazione Cosmica di Fondo e dei suoi contaminanti* → Alessandro CARONES
- *A comprehensive statistical analysis of GOES XRS flares between 1978 and 2018* → Raffaello FOLDES
- *A general approach to intermittent events detection in Space Weather* → Piermarco GIOBBI
- *Scattering Amplitudes from spectral-densities: an Haag-Ruelle based approach to collision theory suitable for lattice applications* → Simone LA CESA
- *The integrated Sachs-Wolfe effect through cross-correlation with the large scale structure: forecasts for future galaxy surveys* → Emiliano RAMPI
- *The LSPE-SWIPE test cryostat* → Maria CIFALDI
- *Probing string theory bound states with light string states* → Giorgio DI RUSSO

**13 dicembre 2019**

- *Nessun candidato*

### **31 gennaio 2020**

- *Radiation effects on the electrophysiological activity of astronauts on board the International Space Station* → Giulia ROMOLI
- *The Galactic Habitable Zone: Estimating the SgrA \* Effects* → Maryan HAMY
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### **28 febbraio 2020**

- *Nessun candidato.*

### **27 marzo 2020 - Modalità a distanza**

- *Spin-exchange effects in photo-induced Charge Migration processes using NonEquilibrium Green's Functions* → Tommaso Maria MAZZOCCHI
- *Optimization of the information content from a Raman-Mie-Rayleigh lidar system in GRASP based synergetic retrieval* → Marco DI PAOLANTONIO

### **29 maggio 2020 - Modalità a distanza**

- *Radiative Processes og Gamma-Ray Bursts: a study of GRB 190114C* → Marco ROMANI
- *Dynamical actuation for optical aberration control in gravitational wave interferometers* → Claudia TARANTO
- *Un nuovo metodo numerico per stimare variazioni di stabilità di proteine in seguito a mutazioni* → Simone BOTTICELLI
- *A 4-year climatological analysis based on GPM observations of extreme events in the Mediterranean region* → Dario HOURNGIR

### **12 giugno 2020 - Seduta straordinaria in Modalità a distanza**

- *Approccio analitico ed analisi numerica allo studio di reti autoriparanti* → Matteo NARDONE
- *The impact of Tidal Disruption Events on galactic habitability* → Elenia PACETTI
- *Study of correlation between CMB lensing and distribution of radio sources* → Giulia PICCIRILLI
- *Analysis Methods for Soft-X Solar Signal and Flares Detection* → Nicola PLUTINO
- *Studio di rivelatori RPC a elettrodi resistivi sottili* → Angelo VETRANO

## **Laurea Specialistica in FISICA**

(DM 509/00)

### **26 luglio 2019**

- *Distribuzioni di impulso trasverso dei nucleoni in  $^3\text{He}$*  → Rocco ALESSANDRO