

Sesto Incontro Nazionale di Fisica Nucleare

Monday, February 26, 2024

Applications of Nuclear Physics III (5:05 PM - 6:25 PM)

-Conveners: Cristina Vaccarezza

time	[id] title	presenter
5:05 PM	[149] Fundamental research and applications with the EuPRAXIA facility at LNF (Invited)	PISANO, Silvia
5:35 PM	[111] Primary particles tracking integrated with secondary radiation detectors for next generation of ion beam delivery system	MAS MILIAN, Felix
5:55 PM	[98] The ARCADIA Depleted Monolithic Active Pixel: characterization and prospects for high precision tracking systems at future colliders	PANTOUVAKIS, Caterina
6:00 PM	[53] Studies on MAPS devices for medical applications.	TORRES RAMOS, Arianna Grisel
6:05 PM	[68] Measurements of the Birks-Onsager quenching parameters for the LYSO scintillator.	LEGA, Alessandro
6:10 PM	[19] Flash (3+Q&A)	

Tuesday, February 27, 2024

Applications of Nuclear Physics III (4:25 PM - 5:50 PM)

-Conveners: Francesco Tommasino

time	[id] title	presenter
4:25 PM	[150] Quantum Computing for Nuclear Physics (Invited)	ROGGERO, Alessandro
4:55 PM	[56] Imaging methods for in-vivo Boron Neutron Capture Therapy	FERRARA, Nicola
5:15 PM	[54] A unique model to accurately describe low and high LET particle beam biological response	BORDIERI, Giulio
5:20 PM	[100] A model for particle beams response at Ultra-High Dose Rate including LET and oxygenation interplay effects	BATTESTINI, Marco
5:25 PM	[79] Bulk MgB2 superconductor for Nuclear Physics experiments	BARION, Luca
5:30 PM	[159] FLASH (Q&A)	

Wednesday, February 28, 2024

Applications of Nuclear Physics III (11:10 AM - 1:05 PM)

-Conveners: Maria Giuseppina Bisogni

time	[id] title	presenter
11:10 AM	[152] Radionuclides: state of the art, INFN research and perspectives in production and medical applications (Invited)	PUPILLO, Gaia
11:40 AM	[59] Nuclear fragmentation cross sections measurements: the FOOT experiment	DONG, Yunsheng
12:00 PM	[94] A method to predict space radiation biological effectiveness for Galactic Cosmic Rays and intense Solar Particle Events	RAMOS, Ricardo Luis
12:20 PM	[99] XpCalib: a proton computed tomography system for proton treatment planning	FOGAZZI, Elena
12:40 PM	[96] Theoretical simulations for innovative nuclear medicine applications: cyclotron production of the theranostic radionuclides ^{47}Sc and ^{155}Tb	BARBARO, Francesca
12:45 PM	[120] Development of a β imaging detector tailored to Ag-111 for the ISOLPHARM project	Mr SERAFINI, Davide
12:50 PM	[51] Cross-section measurements of different reactions leading to the production of ^{155}Tb for medical applications	COLUCCI, Michele
12:55 PM	[160] Flash Q&A	