



On-line workshop – May 26, 2026 - 13:30 to 16:30 (CET – UTC+2)

AGENDA

13:30 Welcome address and workshop objectives

13:40 Presentations I (15 minutes talks + 3 minutes discussion after each talk)

José Paolo SANTOS (FCT, NOVA)

Electronic Structure for Precision Measurements and Beyond

Matias RODRIGUES (LNE-LNHB)

Fundamental parameters of X-rays and gamma-rays using MMCs

Chris HEIRWEGH (JPL, NASA)

A review of parameters used in PIXL analyses of Martian rock elemental chemistry

Mauro GUERRA (FCT, NOVA)

Atomic Physics as a Limiting Factor in Sterile Neutrino Searches: Insights from BeEST

14:55 Break (10')

15:05 Presentations II (15 minutes talks + 3 minutes discussion after each talk)

Terrence JACH (NIST)

Calibration of low-energy X-ray lines by a combination of grating spectrometry and microcalorimetry

Adrien ANDOCHE (LNE-LNHB)

RLDA-Based Generation of an Updated Atomic Database for Spectroscopic Applications

Jonathan DEAN (NIST)

Absolute energy characterization for a soft X-ray superconducting transition-edge sensor microcalorimeter

16:00 General discussion

Highlights of the roadmap

Potential joint activities (database generation, etc.)

Prioritization and follow-up events

16:30 End of online event

Connection link:

<https://visio.numerique.gouv.fr/cea-lnhb-fpi>

or Tel: +33 9 79 94 06 78 - code: 076 032 3403#

Webconference backup solution:

<https://conf.dfn.de/webapp/conference/979137502>

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