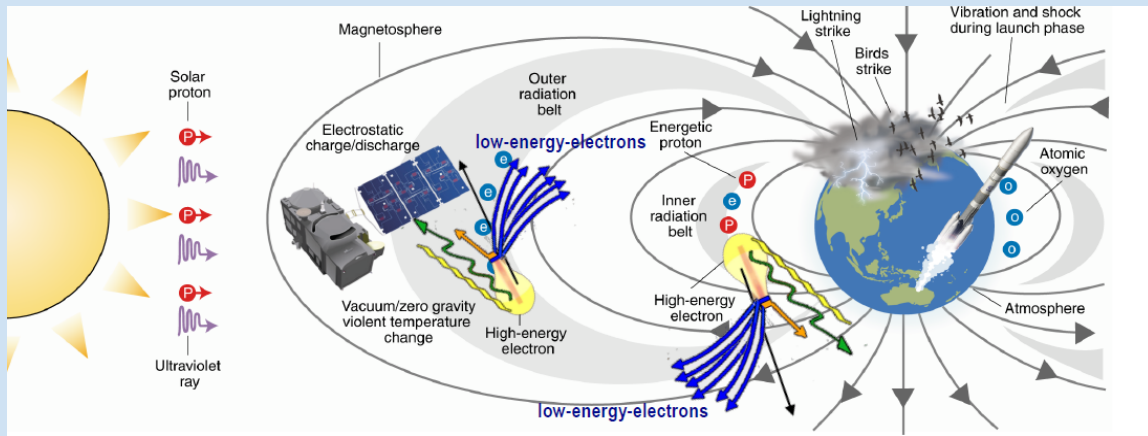


LEE2022

a brainstorming meeting on relevance of Low Energy Electrons in aerospace



LEE 2022 Tuesday, November 15th 2022

Programme

	Title	Speaker	Institution
9:00-9:15	Introduction: the ubiquitous role of secondary electrons	Giovanni Stefani	ISM-CNR
9:15-9:40	Laser beam power converters based on photo-thermionic emission for future lunar exploration	Daniele Trucchi	ISM-CNR
9:40-10:05	Role of low-energy electrons in developing novel materials for highly demanding space missions and applications	Andrea Liscio	IMM-CNR
10:05-10:30	Space Plasma simulator for experimental evaluations of particle-matter interactions	Piero Diego	IAPS-INAF
10:30-11:00	Coffee break		
11:00-11:25	Mechanisms of secondary electron production by low energy electrons and ions	Pierfrancesco Riccardi	Uni Cal
11:25-11:50	Low energy electrons and biomolecules	Paola Bolognesi	ISM-CNR

**LEE 2022 Tuesday, November 15th 2022
Programme**

	Title	Speaker	Institution
11:50-12:15	Secondary electrons production with EUV synchrotron radiation: experiment and modeling	Stefano Nannarone	IOM-CNR
12:15-12:40	Modelling of electron spectra and of the total yield of backscattered and secondary electrons by electron impact	Maurizio Dapor	ECT*-FBK
12:40-14:45	Lunch break		
14:45-15:10	Contribution of plasmon decay to secondary electron emission	Alessandro Ruocco	Uni ROMA TRE
15:10-15:35	Low Energy Electrons relevance in accelerator technology	Marco Angelucci	LNF-INFN
15:35-16:00	Low Energy Electrons significance in gravitational wave detector technology	Luisa Spallino	LNF-INFN
16:00 17:00	General discussion open to contributions from all participants	Moderator: Stefano Iacobucci	ISM-CNR

A few tips of organization:

- **Compile the participation form (attached to the announcement) and return it to stefano.iacobucci@ism.cnr.it**
- **The meeting can be attended in person:
Sala Convegni of the Area Ricerca di Roma1 CNR, located in Via Salaria km 29.300 Montelibretti-RM
<http://www.mlib.cnr.it/en/come-raggiungerci/>),
via Teams platform:
a link to the Team session will be sent upon receipt of the participation form**