

MEMORIE DELLA SOCIETÀ ASTRONOMICA ITALIANA

Vol. 95 n. 4 2024

**Research Activities for the Italian Scientific Community -
Sun, Solar System, and Exoplanets: Main Results**

editors: Francesca Esposito, Raffaele Mugnuolo, Eleonora Ammannito, Marilena Amoroso,
Andrea Argan, Roberto Della Ceca, Orietta Lanciano, Barbara Negri, Christina Plainaki,
Roberto Ragazzoni, Giuseppe Sindoni, Daniele Spadaro

TABLE OF CONTENTS

<i>Index</i>	7
<i>Foreword</i>	8
Meneguzzo et al. <i>The PLeanet extreme Ultraviolet Spectrometer</i>	11
Filacchione et al. <i>The Integral Field Imager and Spectrometers for Planetary Exploration</i>	22
Bellucci et al. <i>IIFS, Study of a Rugged Imaging Fourier Spectrometer for planetary applications</i>	48
Cremonese et al. <i>The HYPespectral Stereo Observing System</i>	66
Magazza et al. <i>Spectroscopy of cosmic dust by space tweezers; a review</i>	77
De Angelis et al. <i>A Chamber for Analogues of Planetary Surfaces Laboratory: the CAPSULA project</i>	91
Giarrusso, M <i>LAPSUS: Laboratory Plasma Spectroscopy for Ultraviolet Space</i>	103
Piana et al. <i>AI-FLARES: Artificial Intelligence for the Analysis of Solar Flares Data</i>	115
Maggio et al. <i>Time-dependent High-Energy Stellar Radiation and Planetary Atmosphere interaction</i>	124
Sozzetti et al. <i>An inTerdisciplinary pAthway to the identification of Solar SystEm anaLogs (TASSEL)</i>	139