



## Background

## What we did?

## ACE data





## IMP-8 data



# Estimates of the energetic proton environment at L1 point

T. Alberti<sup>1</sup>, M. Laurenza<sup>1</sup>

<sup>1</sup>INAF-Istituto di Astrofisica e Planetologia Spaziali, Via del Fosso del Cavaliere 100, 00133, Roma, Italy

	IMP-8: P1					ACE: P5'				
ge	Solar cycle 21	Solar cycle 22	1981- 1983	1991- 1993	Operational time	Solar cycle 23	Solar cycle 24	2000- 2002	2011- 2013	Operational time
3	1x10 <sup>1</sup>	9x10 <sup>0</sup>	3.2x10 <sup>1</sup>	2.6x10 <sup>1</sup>	7.4x10 <sup>0</sup>	4x10 <sup>0</sup>	3x10 <sup>0</sup>	2x10 <sup>1</sup>	6.5x10 <sup>0</sup>	3.4x10 <sup>0</sup>
	1.2x10 <sup>3</sup>	8.1x10 <sup>2</sup>	3x10 <sup>3</sup>	1.9x10 <sup>3</sup>	6.6x10 <sup>2</sup>	3.6x10 <sup>2</sup>	1.2x10 <sup>2</sup>	1.4x10 <sup>3</sup>	3.8x10 <sup>2</sup>	2x10 <sup>2</sup>

