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# Solar System Dynamics

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### 117539 Celletti (2005 DJ1)

Classification: Main-belt Asteroid

SPK-ID: 2117539

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#### Orbital Elements at Epoch 2454200.5 (2007-Apr-10.0) TDB Reference: MPO84224 (heliocentric ecliptic J2000)

Element	Value	Uncertainty (1-sigma)	Units
e	0.0979422	n/a	
a	3.1290341	n/a	AU
q	2.8225696	n/a	AU
i	0.53083	n/a	deg
node	280.94636	n/a	deg
peri	153.12994	n/a	deg
M	213.88982	n/a	deg
t <sub>p</sub>	2455021.0250399 (2009-Jul-08.52503991)	n/a	JED
period	2021.6867460	n/a	d
	5.54	n/a	yr
n	0.17806913	n/a	deg/d
Q	3.4354986	n/a	AU

#### Orbit Determination Parameters

# obs. used (total)	72
first obs. used	1994-??-??
last obs. used	2005-05-13
# oppositions	5
planetary ephem.	DE403
quality code	0
fit RMS	0.53
data source	MPC:mpu
producer	MPC

#### Additional Information

T<sub>jup</sub> = 3.206[\[ Ephemeris | Orbit Diagram | Orbital Elements | Physical Parameters | Discovery Circumstances \]](#)

#### Physical Parameter Table

Parameter	Symbol	Value	Units	Sigma	Reference	Notes
absolute magnitude	H	15.4	mag	n/a	MPO84224	

#### 117539 Celletti

Discovered 2005 Feb. 17 by A. Boattini and H. Scholl at the European Southern Observatory.

Alessandra Celletti (b. 1962) is an associate professor at the University of Roma "Tor Vergata", where she teaches celestial mechanics and the theory of dynamical systems. Since 2001 she has been president of the Italian society of Celestial Mechanics and Astrodynamics.

NOTE: some special characters may not display properly (any characters within {} are an attempt to place the proper accent above a character)

Reference: 20070402/MPCPages.arc

Last Updated: 2007-04-04

#### Alternate Designations

2005 DJ1 = 2003 YP53

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