

COMPTES RENDUS PHYSIQUE

Tome 6 (2005) – N° 3



From NASA. Artist: Don Davis

Artist's view of a giant catastrophic asteroid impact with the Earth
Impression d'artiste d'une collision catastrophique d'un astéroïde avec la Terre

DOSSIER

The Near Earth Objects: possible impactors of the Earth / *Les astéroïdes géocroiseurs : impacteurs potentiels de la Terre*

Guest editors / *Rédacteurs en chef invités* : Maria Antonietta Barucci, Marcello Fulchignoni

- Foreword
Maria Antonietta Barucci, Marcello Fulchignoni 279
- NEO Impact Consequences and Hazards
Marcello Fulchignoni, M. Antonietta Barucci 283
- Origin and dynamics of Near Earth Objects
Patrick Michel, Alessandro Morbidelli, William F. Bottke 291
- Surface compositions of NEOs
Elisabetta Dotto, M. Antonietta Barucci, Richard P. Binzel, Marco Delbó 303
- NEO sizes, shapes and surface physical properties
A. Chantal Levasseur-Regourd, Marcello Fulchignoni, Marco Delbó, Richard P. Binzel 313
- Internal structure of Near-Earth Objects
Richard P. Binzel, Wlodek Kofman 321
- Relevance of the NEO dedicated observing programs
William Thuillot, Jérémie Vaubaillon, Hans Scholl, François Colas, P. Rocher, Mirel Birlan, Jean-Eudes Arlot 327
- Close encounters and collisions of Near-Earth asteroids with the Earth
Giovanni B. Valsecchi 337

Suite du sommaire page suivante

Sommaire (suite)

- Meteorites: samples of NEOs in the laboratory
Claude Perron, Brigitte Zanda 345
- Asteroid impact tsunamis
Christian Kharif, Efim Pelinovsky 361
- Mitigation strategy
Andrea Carusi, Ettore Perozzi, Hans Scholl 367