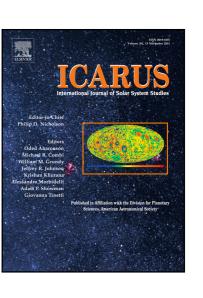
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Origin of the pluto-charon system: Constraints from the new horizons flyby

William B. McKinnon, S.A. Stern, H.A. Weaver, F. Nimmo, C.J. Bierson, J.C. Cook, W.M. Grundy, D.P. Cruikshank, A.H. Parker, J.M. Moore, J.R. Spencer, L.A. Young, C.B. Olkin, K. Ennico Smith, the New Horizons Geology, Geophysics & Imaging and Composition Theme Teams

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Highlights

- Pluto and Charon are rock rich while the small satellites are mostly water ice
- Charon is about 10% icier than Pluto
- A giant impact origin involving partially differentiated precursors supported
- Formation of entire PC system in a collapsing, rotating pebble cloud not supported
- Slow, late accretion of impact precursors indicated

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