

Script for ESOcast Light 129: The Strange Structures of the Saturn Nebula

ESOcast Light 129: The Strange Structures of the Saturn Nebula	
[Visual starts] New ESOcast intro	New ESOcast introduction Incl ESO logo
Title: The Strange Structures of the Saturn Nebula	
1. The wondrous Saturn Nebula has been captured by the powerful MUSE on ESO's Very Large Telescope .	
2. These strange structures are clouds of gas , shining in brilliant colours under the fierce ultraviolet light of the ageing central star.	
3. MUSE doesn't just produce a pretty image - it gives a 3d view, with a spectrum at each point .	
4. We now have the first detailed map of the gas and dust in the Saturn Nebula...	
5. ... revealing strange structures in the dust - shells, a halo and a curious wave-like feature .	
6. So... what's going on?	
7. Astronomers think the inner shell is essentially an expanding shockwave . It could be smashing into dust particles, or heating them until they evaporate.	
8. This doomed star is currently creating a colourful firework display!	
00:00	<i>Produced by ESO, the European Southern</i>

[Outro]

Observatory.

Reaching new heights in Astronomy.