

Comet C/1964 N1 as the parent body of meteoroid stream

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A model of meteoroid stream of long-period comet C/1964 N1 (Ikeya) is created and its dynamical evolution is followed. Our study reveals that the stream has split to four filaments intersecting the Earth's orbit. Hence, four showers are predicted. In the data of real meteors, one of these showers is identified with the July ξ -Arietids, #533. Probably, the second shower can be identified with the ε -Geminids, #23, though this identification is not sure. And, there is a suspicion that the ξ -Geminids, #718 is the third shower. The fourth shower is predicted to be low-numerous and was not separated from any database considered.