

BRITE view of Sigma Scorpil, Beta Cephei-type star studied for over a century

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σ Scorpil is a well-known β Cephei-type pulsating star and a member of hierarchical triple system. Its variability was studied for over a century. From the ground-based studies, four pulsating modes were known, including the dominant radial mode with high amplitude. We present BRITE photometry of the star which clearly shows that the amplitudes of the known modes declined during the last years. Due to the sub-mmag detection level provided by BRITE satellites, at least four new p modes and three g modes were discovered. The latter makes σ Sco another hybrid β Cep/SPB pulsator rich in pulsation modes and an excellent target for seismic modelling. The preliminary results of such modelling are presented.