



## **Validation of PLANETOCOSMIC predictions with EISCAT electron precipitation measurements**

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Because cosmic rays effect the production of cosmogenic isotopes and possibly the climate, we want to validate the predictions of our PLANETOCOSMIC program concerning the ion-pair production. The PLANETOCOSMICS code is a Monte-Carlo based program which estimates the hadronic interaction of cosmic rays in the atmosphere and its electron production rate. The latter outcome can then be compared with the electron density measurements at EISCAT, where an additional modelling is required to calculate the electron density from the electron production rate. We will present here our first results concerning the observations and modelling with PLANETOCOSMICS.