



ENAs near Mars seen with the ASPERA-3 instrument on Mars Express

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Energetic Neutral Atoms (ENA) are created in the interaction between the solar wind and the Marsian atmosphere through charge exchange. From computer simulations we expect three main areas where ENAs can be produced near Mars: ENAs near the subsolar point on the dayside, backscattered ENAs from the upper atmosphere on the dayside, and ENAs from pick-up ions on the night side. A review of the simulations and new data from the ASPERA-3 instrument on Mars Express will be shown.