Measurements of the interplanetary helium emission

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The eXtreme Ultra-Violet (XUV) scanner on board Mars orbiter NOZOMI observes emission resonantly scattered by helium ions and atoms in the solar radiation. The spacecraft is now cruising to the Mars, and the XUV observes emission from the helium gas of interstellar origin. In this study we focus on the interplanetary emission from helium atoms and compare our observation with past results and as well as with a simulation using solar gravity accretion model.