Fowler C. M.  Ergun R. E.  Andersson L.
Mooroka M. W.  Delory G. T.  et al.  POSTER LOCATION #371
First Results of the Martian Plasma Environment Below 500 km from the Langmuir Probe and Waves Instrument on the MAVEN Mission [#2115]
First results of the martian plasma environment below 500 km from the MAVEN Langmuir Probe are presented, focusing on the hot and cold plasma populations observed.

Density Structures Within the Martian Ionosphere from the Langmuir Probe and Waves Instrument on the MAVEN Mission [#1578]
Electron density structures within the martian ionosphere will be presented, including variations of 2 orders of magnitude within 40 km along the orbital track.

Mooroka M. W.  Andersson L.  Ergun B.  Fowler C.  McEnulty T.  et al.  POSTER LOCATION #373
Langmuir Probe Observation of Mars Ionosphere by MAVEN/LPW [#2508]
The first results of the electron density and temperature characteristics of the Mars ionosphere observed by MAVEN/LPW will be presented.

Delory G. T.  Andersson L.  Ergun R. E.  Mooroka M. W.  Fowler C.  et al.  POSTER LOCATION #374
Design and Performance of the Langmuir Probe on the MAVEN Mission [#2662]
Here we describe the design and initial performance of the Langmuir Probe on the Mars Atmosphere and Volatile Evolution (MAVEN) mission.

Cravens T. E.  Mitchell D.  Sakai S.  Rahmati A.  Bouguer S. W.  et al.  POSTER LOCATION #375
Auger Electrons in the Martian Ionosphere: Model Comparisons with MAVEN Data [#2581]
Solar radiation produces 500 eV Auger electrons in the martian atmosphere measured by the MAVEN SWEA instrument and interpreted in this paper.

Mendillo M.  Narvaez C.  Lawler G.  Kofman W.  Mouginot J.  et al.  POSTER LOCATION #376
Using Ionospheric Slab Thickness Data to Predict MAVEN Observations of Thermospheric Temperatures [#1391]
The slab thickness of Mars’ ionosphere can be related to the scale height and temperature of the neutral atmosphere measured by MAVEN.

Hara T.  Mitchell D. L.  McFadden J. P.  Halekas J. S.  Espley J. R.  et al.  POSTER LOCATION #377
Estimation of Ionospheric Plasma Content Inside Martian Magnetic Flux Ropes Based on MAVEN Observations [#1773]
The ionospheric plasma content contained inside the martian flux rope observed by MAVEN is surveyed by the Grad-Shafranov reconstruction technique.

Livi R.  McFadden J.  POSTER LOCATION #378
Observation of Ionospheric Expansion in MAVEN STATIC Data [#2910]
Expansion of Mars ionosphere from <200 km to >500 km shortly after an SEP event.
Crary F. J. Connerney J. E. P. Espley J. R. McFadden J. P.

POSTER LOCATION #379

We present initial observations of both ion cyclotron waves and proton pickup ions from the first few months of the MAVEN science mission.

Koyama K. Seki K. Terada N. Terada K.

POSTER LOCATION #380
Effects of Ion-Ion and Electron-Neutral Collision on Vertical Distribution of CO₂⁺ in Martian Ionosphere Based on Multi-Fluid MHD Simulations [#3022]

Our multi-fluid MHD code includes chemical reaction, velocity difference for each ion and collisions. This code reproduce CO₂⁺ density in the martian ionosphere.