

|                                    | Intruding-Background Ratio of Flow Properties |       |             |       |                         |       |
|------------------------------------|-----------------------------------------------|-------|-------------|-------|-------------------------|-------|
| Radial Domain<br>[R <sub>E</sub> ] | Density                                       |       | Temperature |       | Vertical Magnetic Field |       |
|                                    | DATA                                          | MODEL | DATA        | MODEL | DATA                    | MODEL |
| R < 9.5                            | 0.60±0.30                                     | 0.48  | 1.40±0.03   | 1.20  | 1.38±0.01               | 1.55  |
| [9.5,12]                           | 0.60±0.30                                     | 0.46  | 1.30±0.02   | 1.37  | 1.59±0.02               | 1.57  |
| [12,15.5]                          | 0.60±0.30                                     | 0.60  | 1.30±0.07   | 1.34  | 2.00±0.10               | 1.92  |
| R > 15.5                           | 0.60±0.30                                     | 0.81  | 1.40±0.08   | 1.22  | 2.10±0.20               | 1.98  |