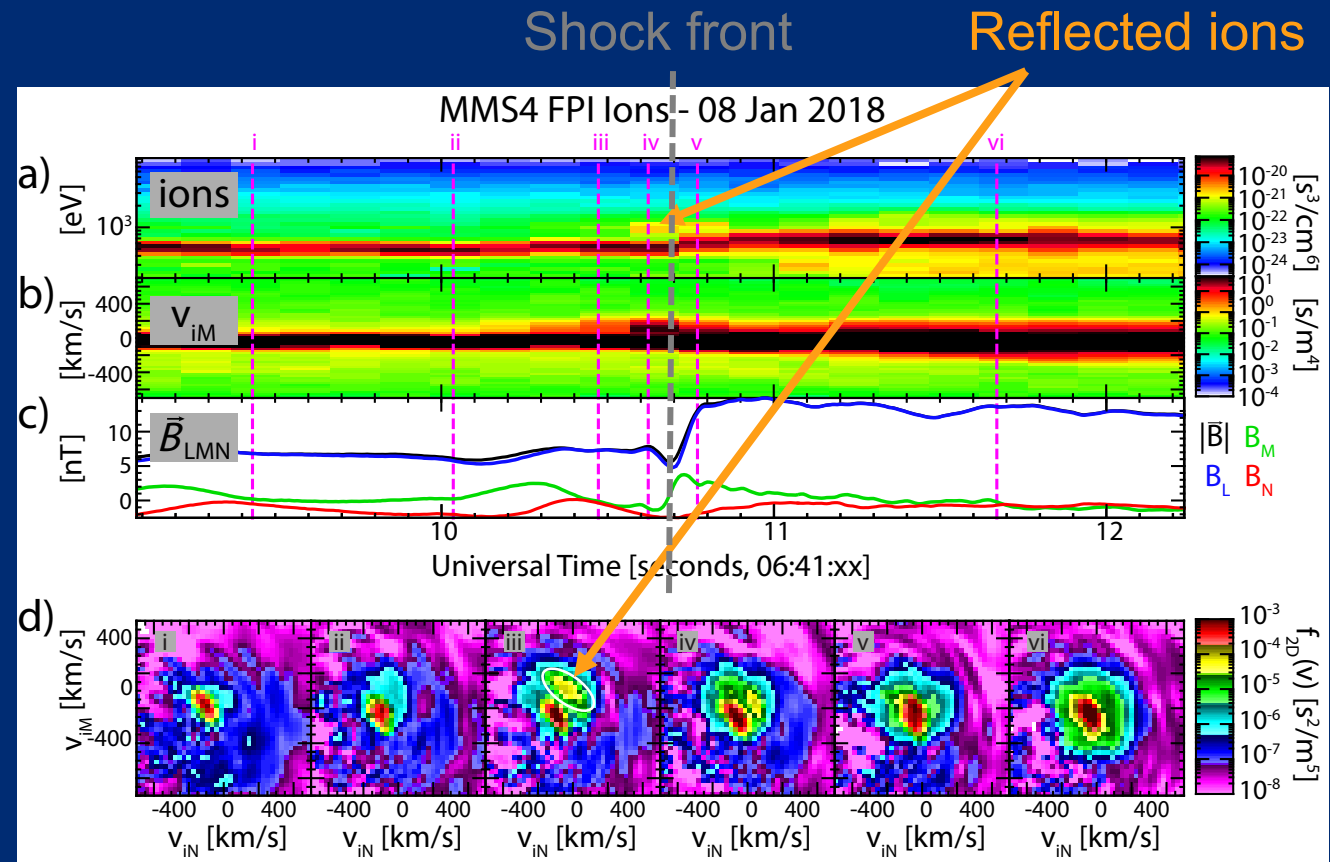


# First high-resolution observations of an interplanetary shock

- Interplanetary shock are shock waves that ripple outward from the Sun and accelerate particles – they are just one type of shock found in the universe
- Interplanetary shocks have been studied since the earliest days of the Space Age, but new high-resolution observations from NASA's Magnetospheric Multiscale (MMS) mission have revealed never-before-seen details
- In particular, MMS has observed ions reflecting off of an interplanetary shock front, which has been theorized, but never before directly observed.



New observations of an interplanetary shock by NASA's MMS mission have confirmed previously-theorized phenomena and enabled new insight into the small-scale physics of shocks.