Plexiglass Protection Shield for the Testbed System of the ATHLETE Rover

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The ATHLETE Rover

- All-Terrain Hex-Limbed Extra-Terrestrial Explorer
- Wheel-on-limb concept
- Can drive or walk
Performance/Tools
The Testbed System

- System of cables, pulleys, and winches to suspend and maneuver the ATHLETE rover in air for landing simulations
- Currently in development
- To land on a “mock asteroid”
Protection Shield

- **Requirements:**
  - Protect visitors
  - Easily removable for maintenance
  - “Head tall” minimum height
Back Panel Connection

- Attached to the rest of the shield with a linear bearing
- Bearing allows back panel to slide off
- Satisfies the “Easily removable” requirement
Frame to Column Connection

- Rigid placement
- Hooks onto bolts
  - Bolts were already there to fix the columns in place
- Allows removable of the whole protection shield by simply lifting
Acknowledgments
Disclaimer

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