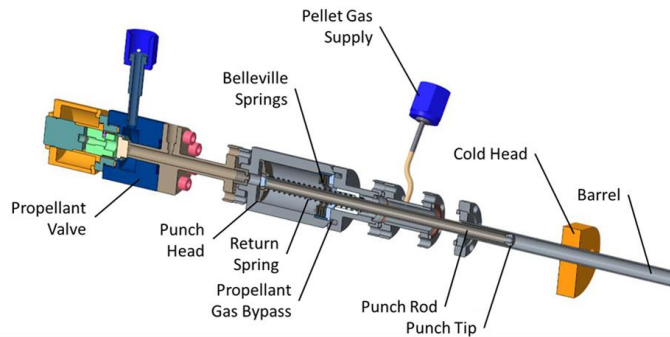


SHATTERED PELLET INJECTION TECHNOLOGY DESIGN AND CHARACTERIZATION FOR DISRUPTION MITIGATION EXPERIMENTS



Punch for SPI pellets



Shattered argon 12.5 mm pellet

- SPI systems have been built and operated for DIII-D and soon JET for experiments in support of ITER.
- Mechanical punches have been developed to dislodge and shoot pure argon and neon 12.5 mm pellets for runaway electron dissipation experiments.
- Characterization of SPI shattering shows larger fragments for slower pellets and potentially deeper penetration.