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P3.164 Progress of KSTAR pellet injection system

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Pellet injection system of 20 Hz has been operated in KSTAR (Korea Superconducting Tokamak Advanced Research) since 2016. The pellet can be injected to the plasma with different size, velocity and frequency during plasma experiments. The pellet trajectory is interesting topic in KSTAR so the related investigation is carried out outside of tokamak at first. We introduce the preliminary result of trajectory test and the preparation work for the density feedback control with pellet diagnostics system and PCS (plasma control system) in this paper.

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