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Discharge activated supersonic pulsed gas jets[1] NIKOLAY KOROBEISHCHIKOV, ALEXANDR ZARVIN, VALERIY KALYADA, Novosibirsk State University, NOVOSIBIRSK STATE UNIVERSITY TEAM — The influence of a transversal electric arc on pulsed supersonic gas jets has been experimental investigated. It has been detected that by transversal discharge the blocking of supersonic gas jets is observed. The blocking time does not depend on gas; it is determined by discharge sustention. After quenching the discharge the delay gas impulse of neutral gas particles is generated. The intensity of the delayed impulse can exceed it's without discharge. The flux of the fast ions, which reaches the detector before the main gas impulse, appears also.

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