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Concept of tritium processing and confinement in fuel cycle of Ignitor

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One of the most important tasks among initial tasks for realization of the project is to determine different types of the engineering systems which will be required to support of the engineering infrastructure of IGNITOR. One of the most important systems will be tritium fuel cycle and detritiation systems which provides scientific program of the investigation on IGNITOR tokamak. This work presents further development of engineering assessment for the joint Italian and Russian project IGNITOR. The scope of work is engineering concept for tritium fuel cycle and detritiation systems for air and water in light of IGNITOR operation with tritium plasma at the TRINITY site, because a location for the IGNITOR tokamak the Russian Party suggested the TRINITY site, which is situated near Moscow (now it is the territory of "big Moscow").

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Russia

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