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Originality of the ITER divertor Thomson scattering system

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Title: Originality of the ITER divertor Thomson scattering system

Speaker: Igor Khodunov, PhD candidate

When: 2020-06-23 18:00:00

Abstract: New diagnostics in contemporary fusion devices have minor changes but these changes are crucial, this is where diagnosticians compete. But what if all common approaches are not applicable at some place. What if you have to develop solutions which were never used and nothing similar was used. The place where things go in this way is called ITER. In ITER, calibrations, adjustment and agile approach improvements are not possible to make minor changes by hand. This and ITER environment requirements make thousands of criteria to be fulfilled in order to complete the work successfully. The talk will present some features of Thomson scattering diagnostics and focus on some uncommon and specific aspects that became the case in this DTS diagnostics and about supplementary work that is required in such a machine.

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