

Beam modelling by RENATE Open Diagnostics and proposed test cases for beam model benchmark

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RENAME Open Diagnostics (RENAME-OD) is an open source beam emission modelling tool that is being developed to serve as synthetic diagnostic in the ITER Modeling and Analysis Suit (IMAS). The beam model is based on the previously validated beam emission modelling tool RENAME. Status and further plans of development for RENAME-OD are presented. In the second half of the talk the proposed test cases for the beam model benchmark are presented, along with preliminary ideas on the physics question to be addressed.