

OLMAT Contribution to the 2nd Meeting on Vapor Shielding CRP. VIENNA 2020

Thursday, 8 October 2020 14:20 (30 minutes)

- During the last year, the OLMAT facility has been designed and built at CIEMAT. First plasma experiments are planned by the end of 2020, conditioned to the restrictions imposed by the COVID-19 crisis.
- Activities at the lab have focused on developing liquid metal targets of Li and Sn with good wetting properties and proper support by the metallic capillary system.
- Some activities in TJ-II in relation to the Task were also undertaken. The kinetics of atomic Li and Sn species released from the CPDS system by their interaction with the TJ-II hot plasma were investigated and conclusions about their binding energy and ionization rate constant were drawn. It was found that the ionization rate constant of Sn atoms by electron impact has been largely overestimated in the bibliography

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Session Classification: Experiments and simulations