



Contribution ID: 34

Type: **Talk**

## **Atomic processes and cascades: News from the JAC toolbox**

*Wednesday, 20 July 2022 11:25 (25 minutes)*

The Jena Atomic Calculator (JAC) provides an easy-to-use but powerful toolbox to extend atomic theory towards new applications. It has been designed to be equally accessible for working spectroscopists, theoreticians and code developers. In this talk, I shall discuss the recent progress in developing these tools towards different cascade and second-order processes which are relevant for highly-charged and inner-shell excited ions.

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**Session Classification:** Session 9