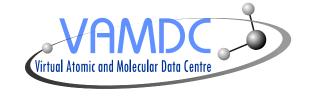


Russian Federal Nuclear Centre – All-Russian Institute of Technical Physics (RFNC-VNIITF)

WP7: JRA2 Publishing Tools



WP7 Tasks Steps for Period 1 involving RFNC-VNIITF activities:

Task 3: Preparing the prototype of the import tool (lead by UU)

Task 4: Prototype development and deployment of the VAMDC XSAMS interface for the Spectr-W³ & VALD (?-should have been discussed in detail @ the meeting) databases (lead by RFNC-VNIITF)



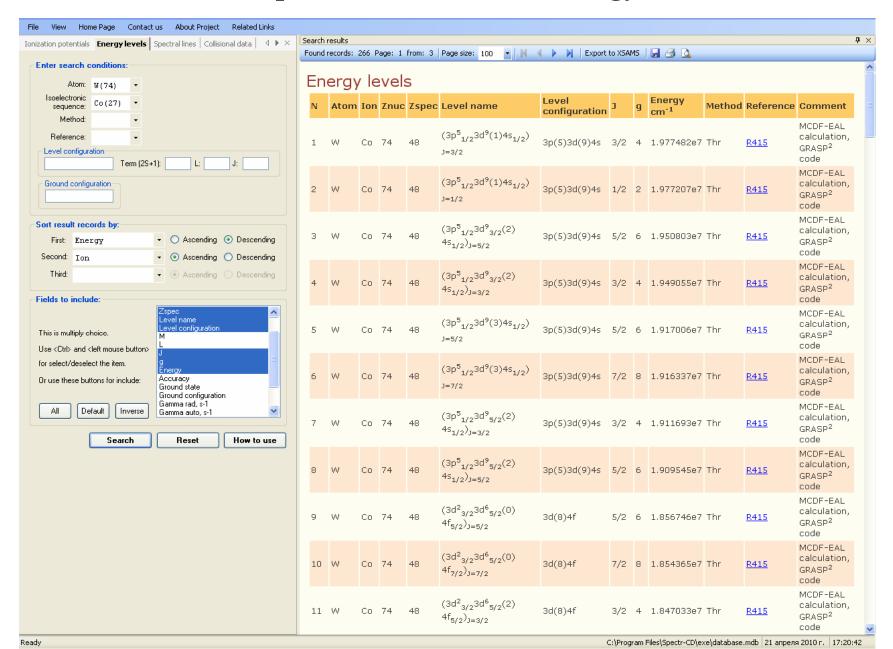
Local version of the Spectr-W³ database

For off-line use on PCs under Windows. Previous interface was completely rewritten in C# → flexibility & improved functionality.

Setup package will be made downloadable from the Spectr-W³ homepage in autumn, 2010.

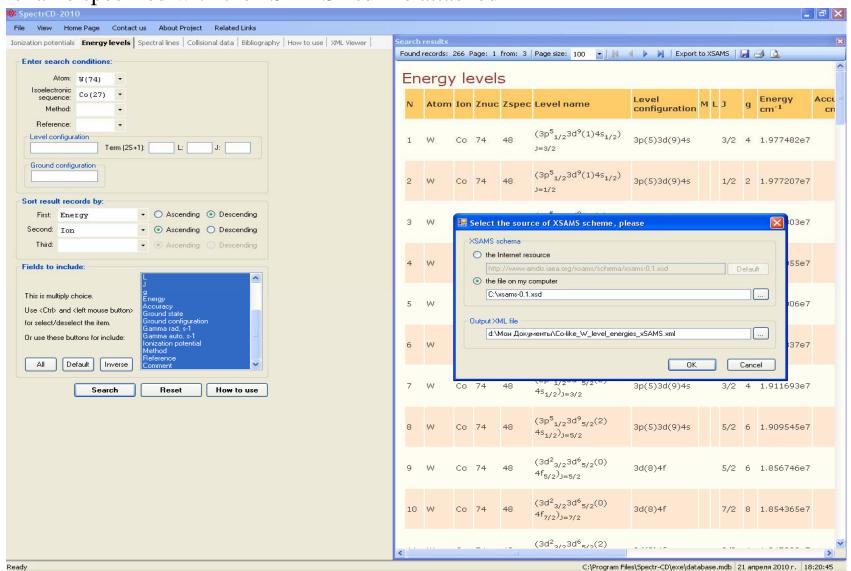
Also employed for the development & testing of export/import options to XML & plain text formats.

Local version of the Spectr-W³: selection of energy levels of Co-like W

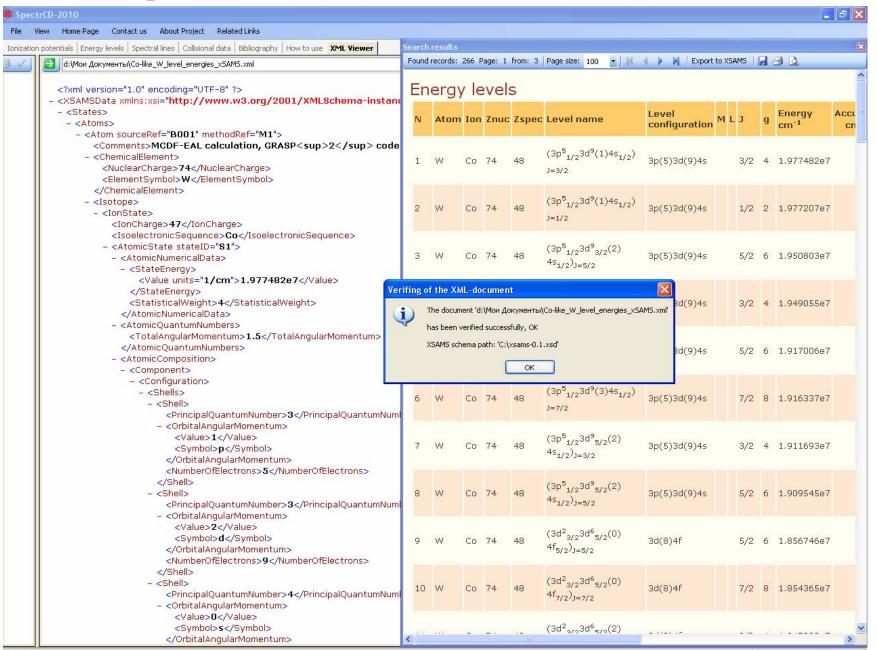


Example 1: Export of selected data to XML under xSAMS

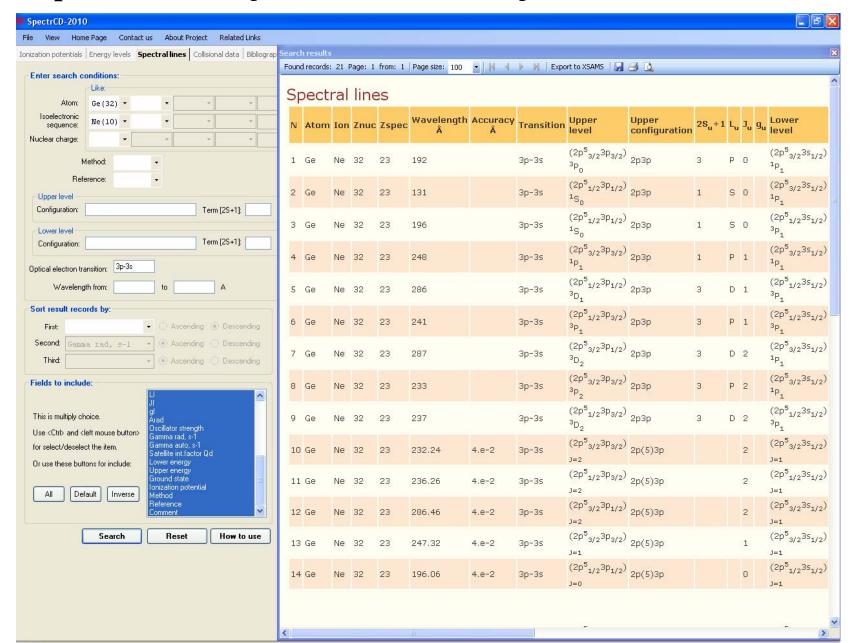
All fields should be highlighted in the *Fields to include* output selector & XML output filename specified with the xSAMS xsd file attached



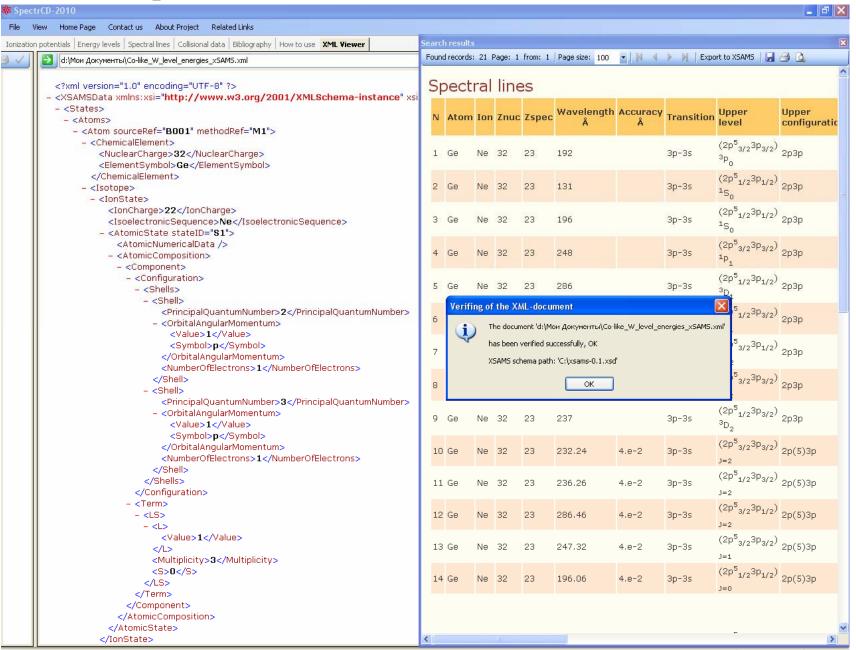
Example 1: xSAMS-gauged XML file successfully generated



Example 2: xSAMS-export of selected data on 3p-3s transitions of Ne-like Ge

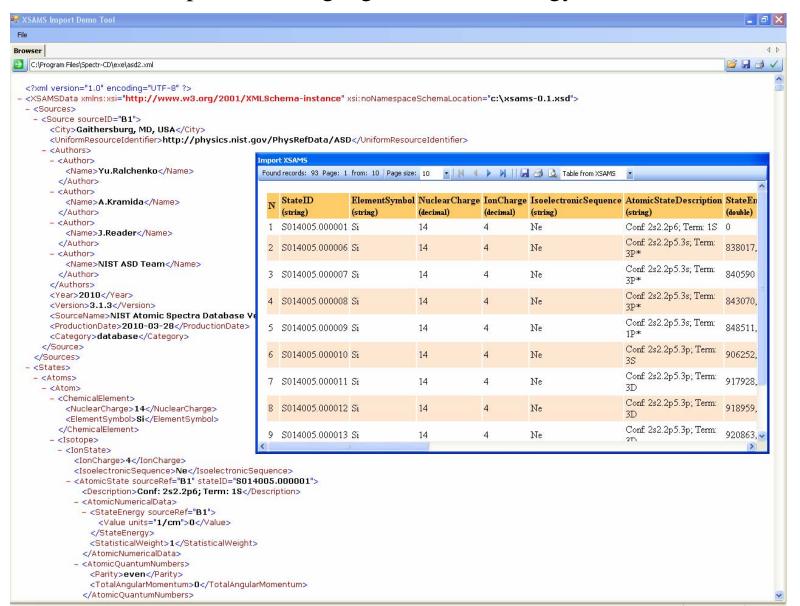


Example 2: xSAMS-gauged XML file successfully generated

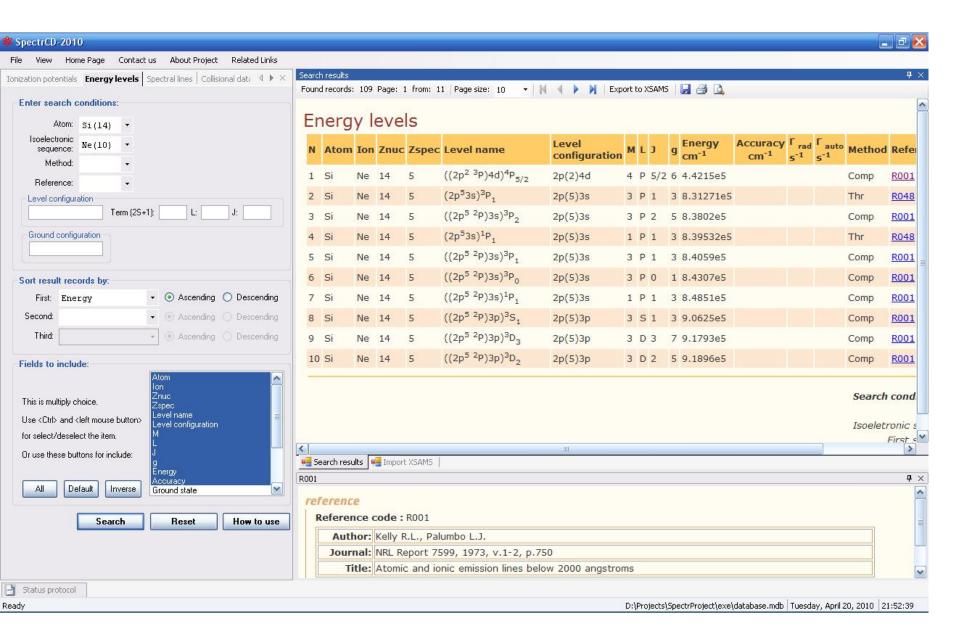


Preparing the prototype of the import tool for Spectr-W³

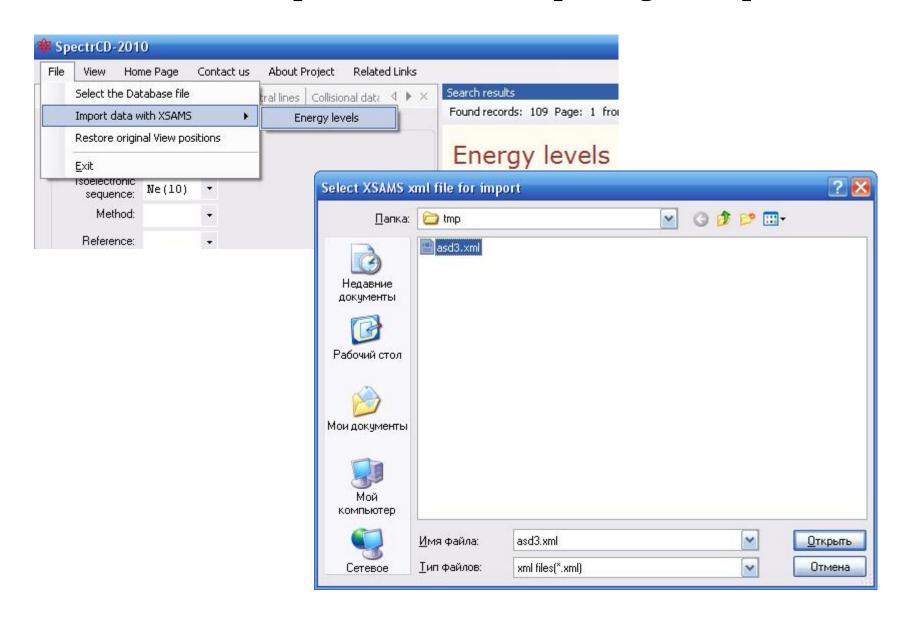
Content viewer of the input xSAMS-gauged xml file: energy levels of Ne-like Si



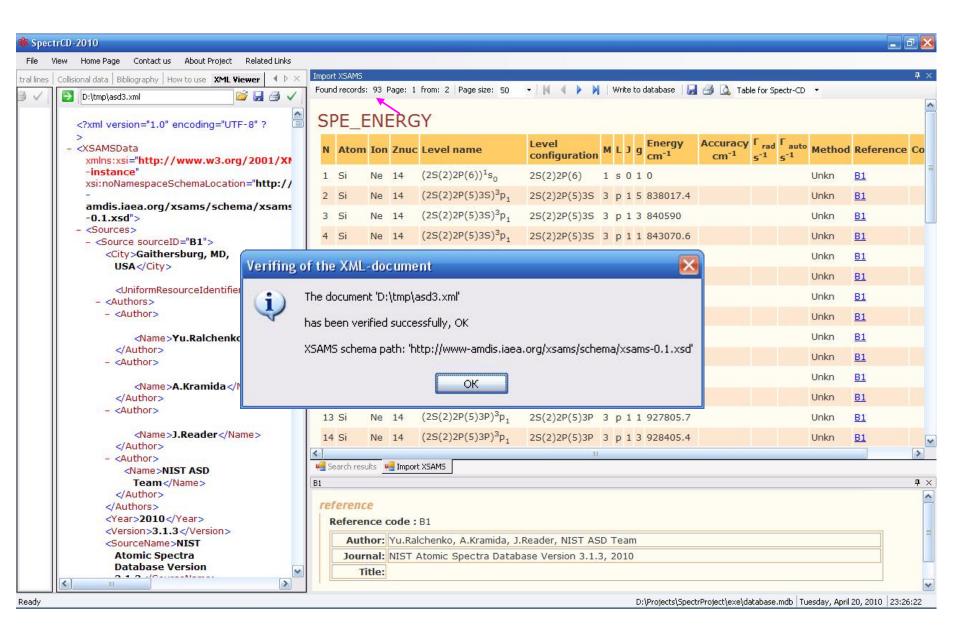
Initial selection of energy levels of Ne-like Si: 109 records in Spectr-W³



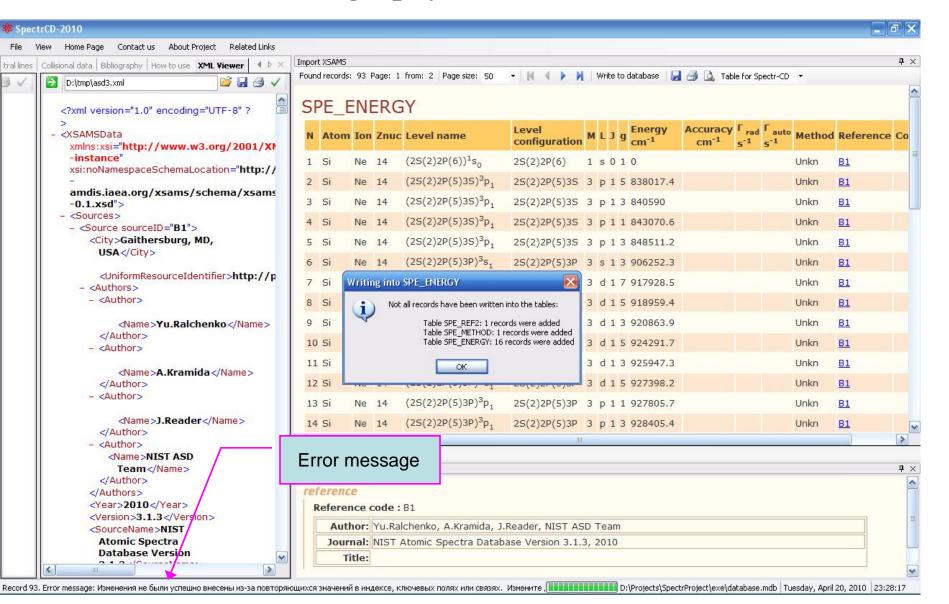
Selection of the input-data file for importing into Spectr-W³



93 records are obtained from the selected input-data file



But only 16 new records are added to Spectr-W³: duplications in the key fields of the input-data file found (to be analyzed). Also 1 bibliography reference is added



Follow-on selection of energy levels of Ne-like Si: 125 records are found in Spectr-W³ for energy levels of Ne-like Si

