@Ralph: Still don’t get the comments on the accuracy of the calculations; 2825.2 eV for the energy of the resonance is the experimental value which agrees well with other experimental values

@Denis: The observed energy positions relative to the K+1s􀀀1 threshold in combination with the relative energy position of the 2p􀀀2nl states suggest that feature B is a result of resonant Auger decay of the 1s􀀀14p excitation to the 2p􀀀2(1D)4p \_nal state and feature C originates from the 1s􀀀13d ! 2p􀀀2(1D)3d resonant Auger transition.

Here I’d like to keep the two transitions different, because otherwise we repeat the same phrase