

Table 7-ESI EEs (eV) and oscillator strengths f for the F 1s excitation spectrum of **II** from SR ZORA TD-DFT calculations. Only excitations lying at EE lower than 683 eV and having $f \geq 10 \times 10^{-3}$ and contributions $\geq 20\%$ are reported.

	<i>imo</i>	<i>imol</i>	<i>EE</i>	ΔEE	Sym	$f \times 10^3$	<i>fmo</i>	<i>fmo character</i>
1	$2b_{1u} + 2a_u + 2b_{2g}$	F ⁴⁹	681.25	-	B _{2u}	13.668	$22b_{3g}^{(31)} + 22b_{2g}^{(31)} + 21a_u^{(22)}$	$\pi_{ }^* (e_{2u}^1)$
2	$2a_u + 2b_{1u} + 2b_{3g}$	F ⁴⁹	681.25	-	B _{3u}	13.668	$22b_{3g}^{(31)} + 22b_{2g}^{(29)} + 21a_u^{(22)}$	$\pi_{ }^* (e_{2u}^1)$
3	$1b_{1u} + 1a_u + 1b_{2g}$	F ⁵⁷	681.35	0.10	B _{2u}	13.296	$22b_{3g}^{(31)} + 22b_{2g}^{(29)} + 21a_u^{(22)}$	$\pi_{ }^* (e_{2u}^1)$
4	$1a_u + 1b_{1u} + 1b_{3g}$	F ⁵⁷	681.35	0.10	B _{3u}	12.439	$22b_{3g}^{(31)} + 22b_{2g}^{(29)} + 21a_u^{(22)}$	$\pi_{ }^* (e_{2u}^1)$
5	$2a_u + 2b_{3g} + 2b_{2g}$	F ⁴⁹	681.53	0.18	B _{1u}	14.651	$39b_{1g}^{(38)} + 42b_{2u}^{(23)} + 42b_{3u}^{(23)}$	σ^*
6	$1a_u + 1b_{2g} + 1b_{3g}$	F ⁵⁷	681.69	0.44	B _{1u}	29.504	$39b_{1g}^{(33)} + 42b_{3u}^{(24)} + 42b_{2u}^{(24)}$	σ^*
7	$1b_{3u} + 1b_{1g} + 1a_g$	F ⁶⁵	681.82	0.57	B _{2u}	11.459	$39b_{1g}^{(31)} + 42b_{3u}^{(25)} + 42b_{2u}^{(24)}$	σ^*
8	$1b_{2u} + 1a_g + 1b_{1g}$	F ⁶⁵	681.82	0.57	B _{3u}	12.497	$39b_{1g}^{(31)} + 42b_{3u}^{(25)} + 42b_{2u}^{(24)}$	σ^*