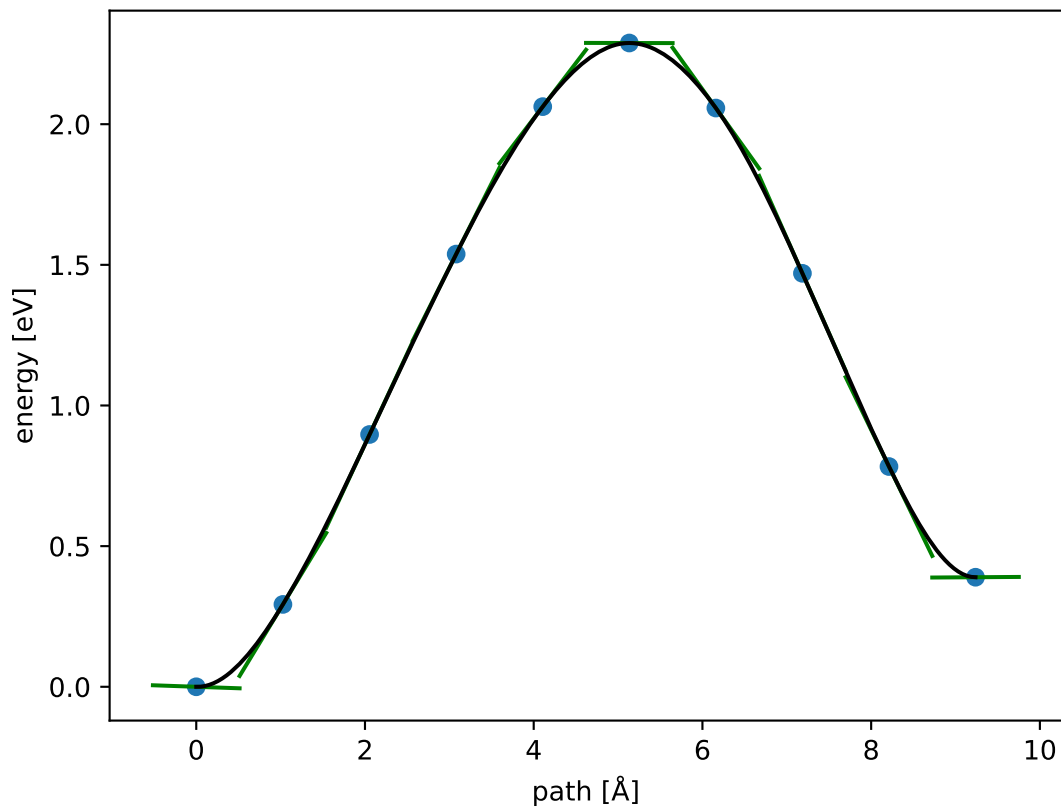
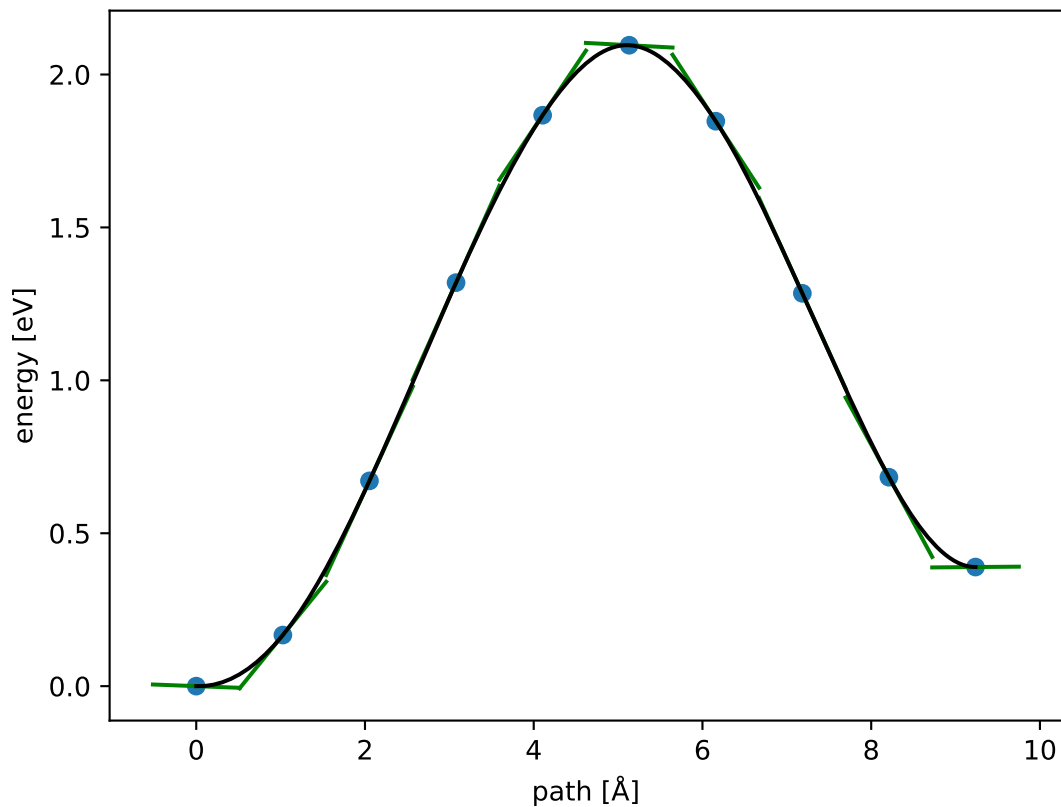


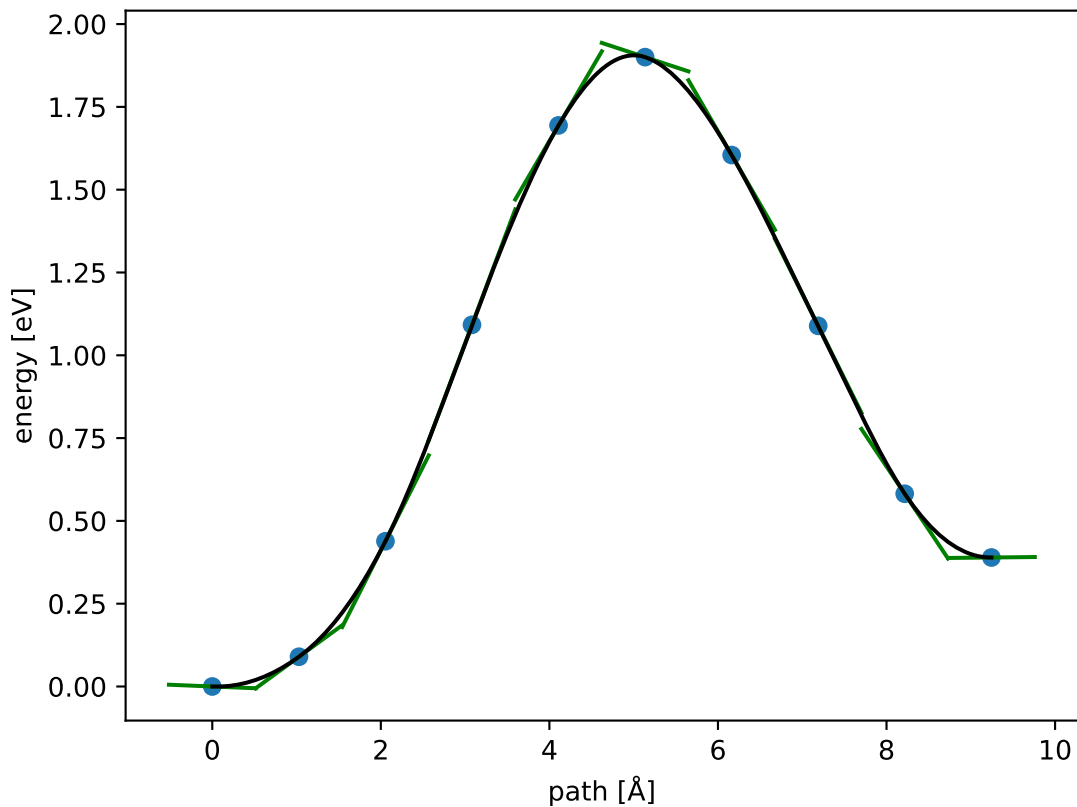
$$E_f \approx 2.289 \text{ eV}; E_r \approx 1.899 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



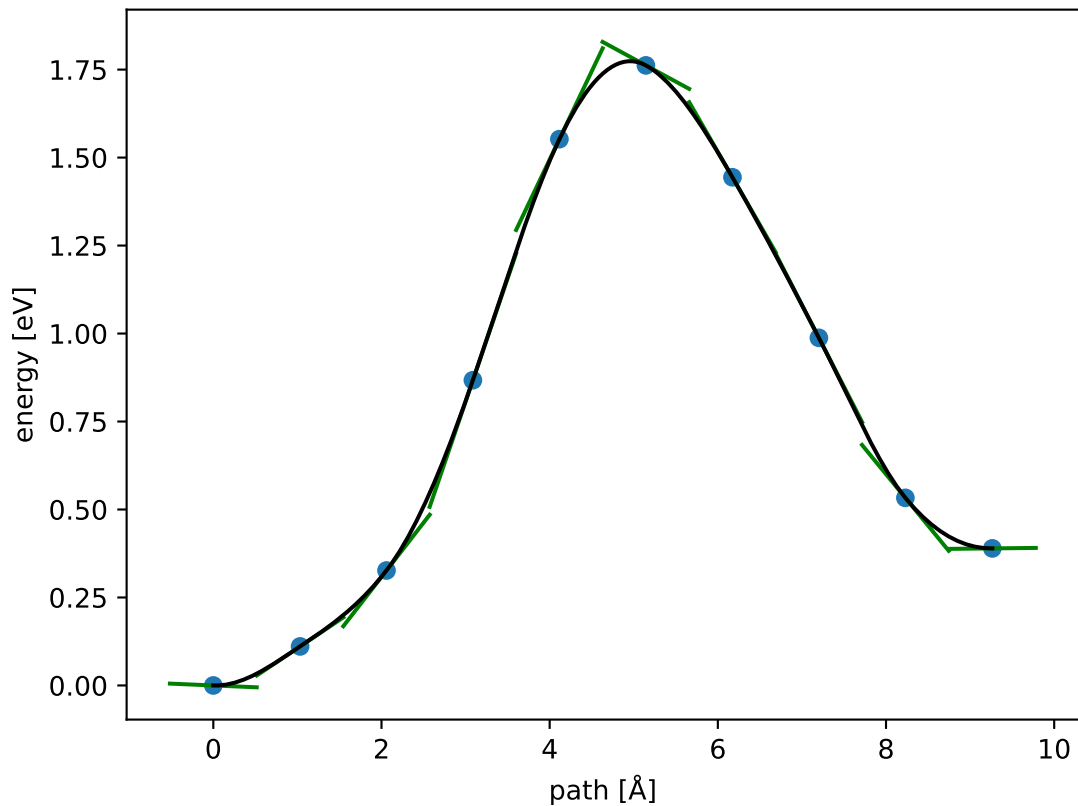
$$E_f \approx 2.096 \text{ eV}; E_r \approx 1.706 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



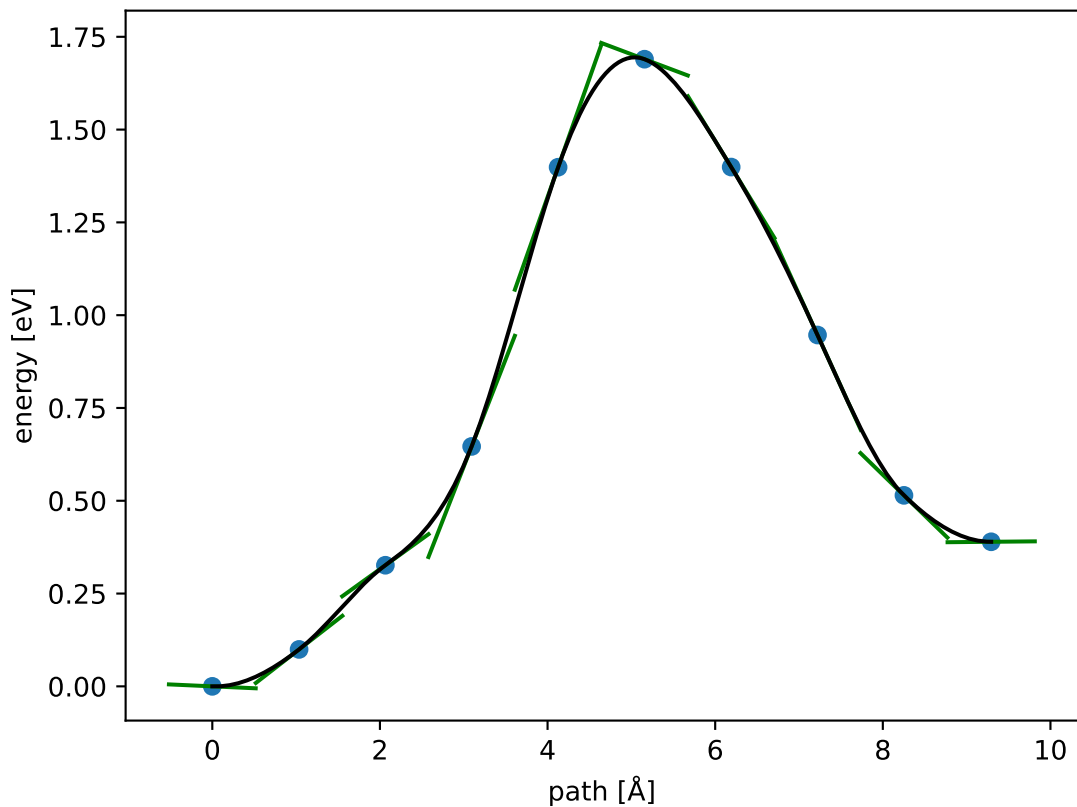
$$E_f \approx 1.900 \text{ eV}; E_r \approx 1.511 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



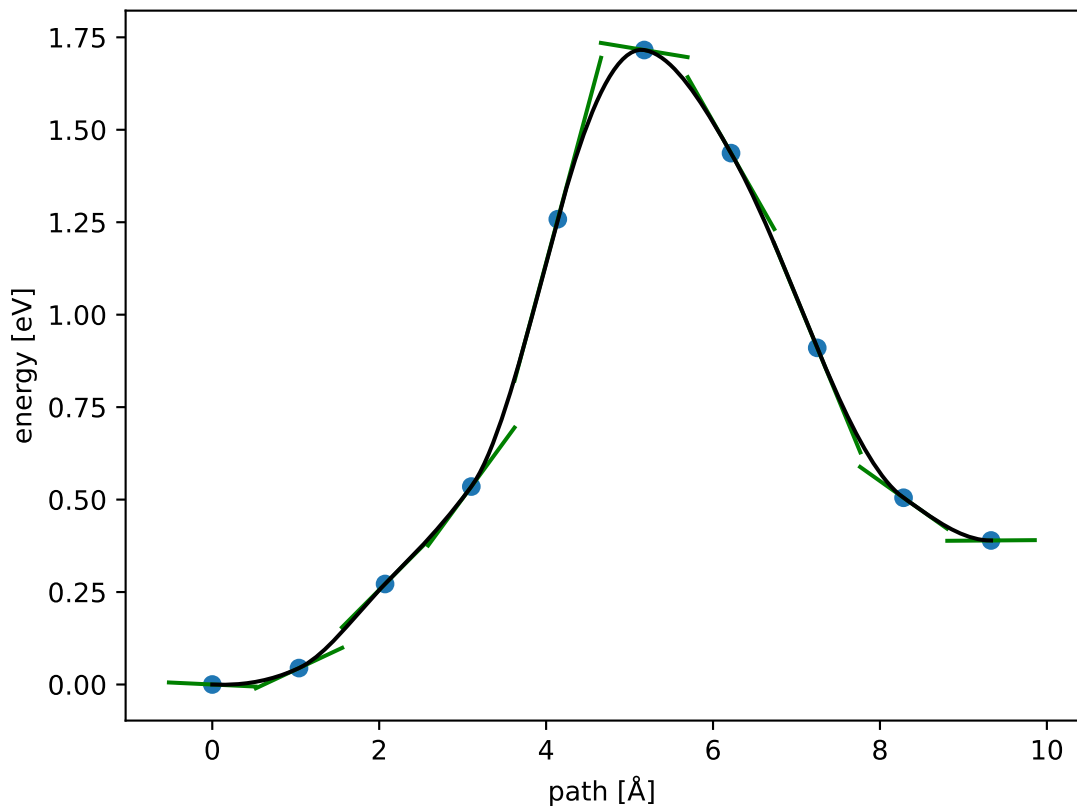
$$E_f \approx 1.762 \text{ eV}; E_r \approx 1.372 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



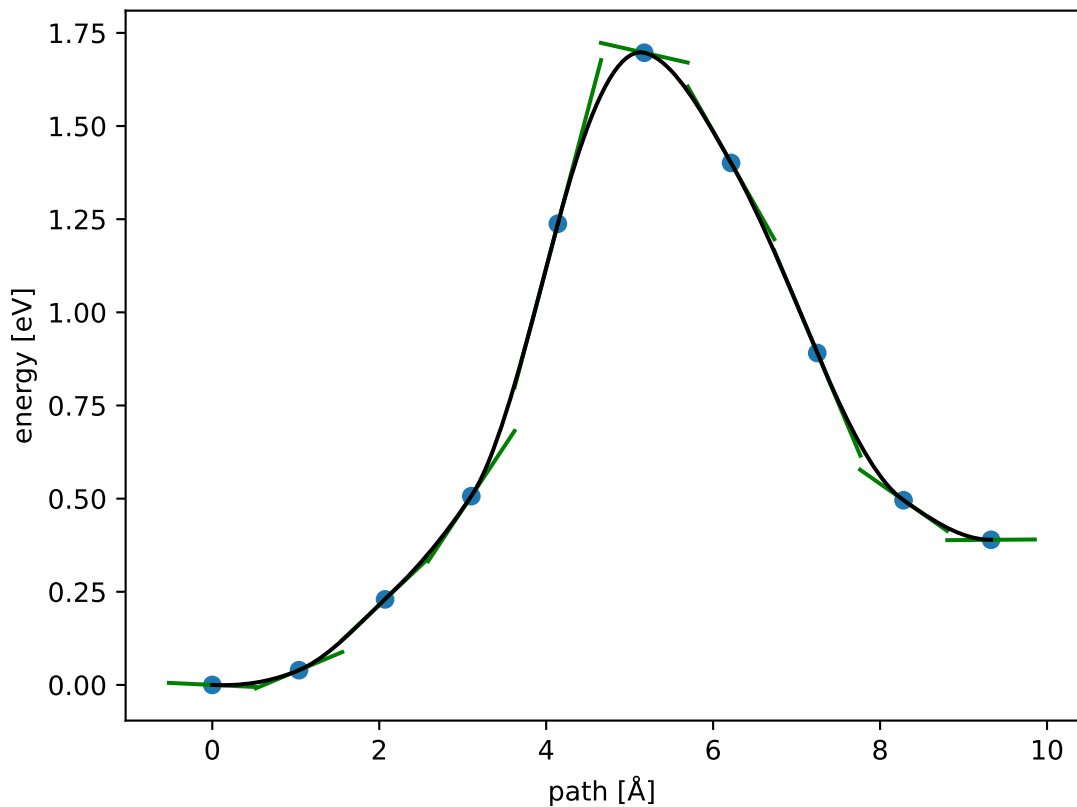
$$E_f \approx 1.690 \text{ eV}; E_r \approx 1.300 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



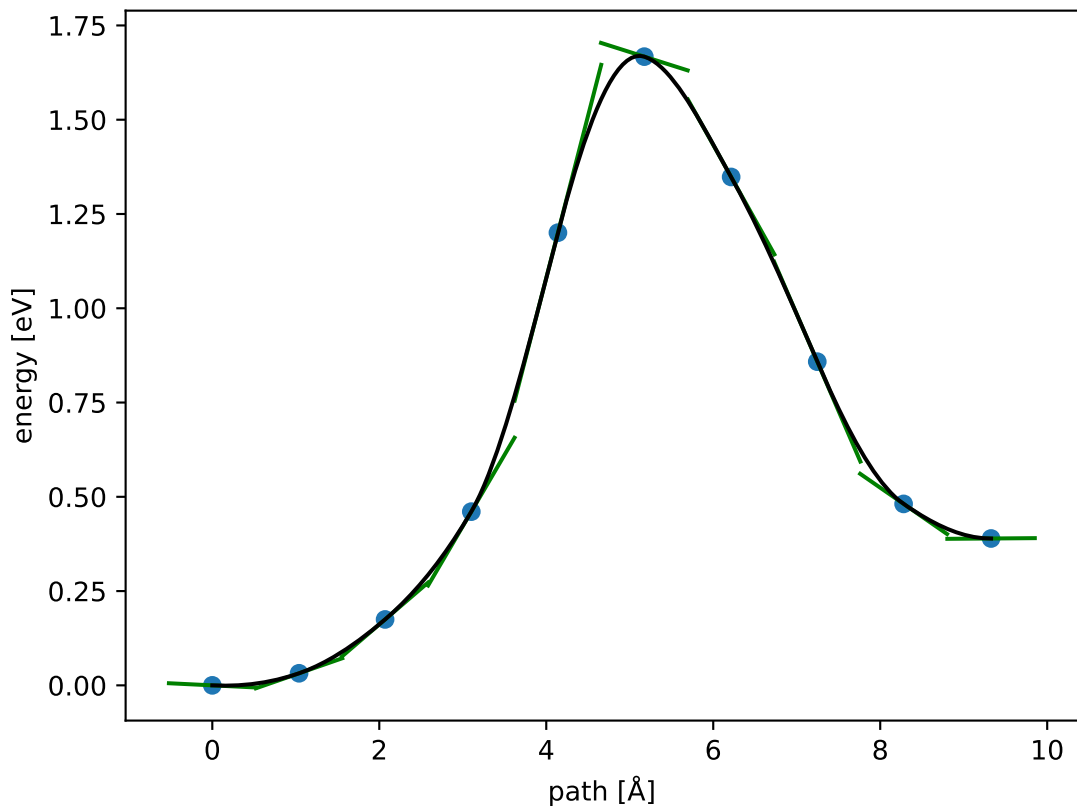
$$E_f \approx 1.716 \text{ eV}; E_r \approx 1.326 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.697 \text{ eV}; E_r \approx 1.307 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

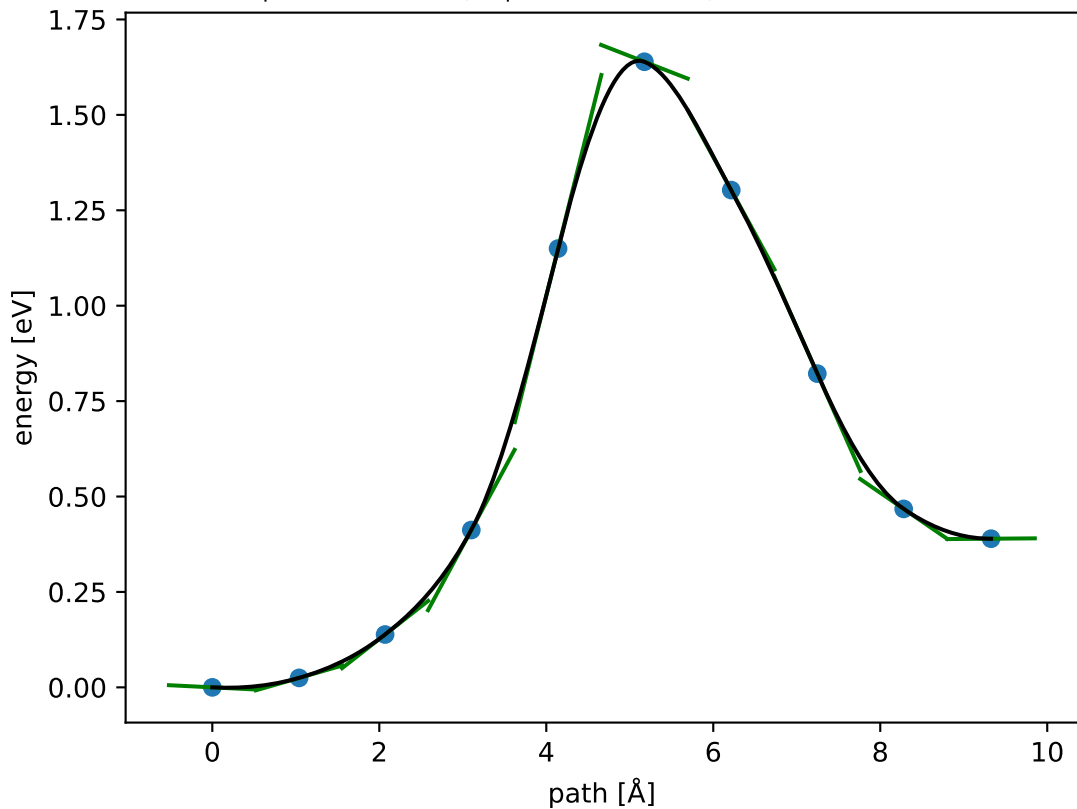


$$E_f \approx 1.667 \text{ eV}; E_r \approx 1.278 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

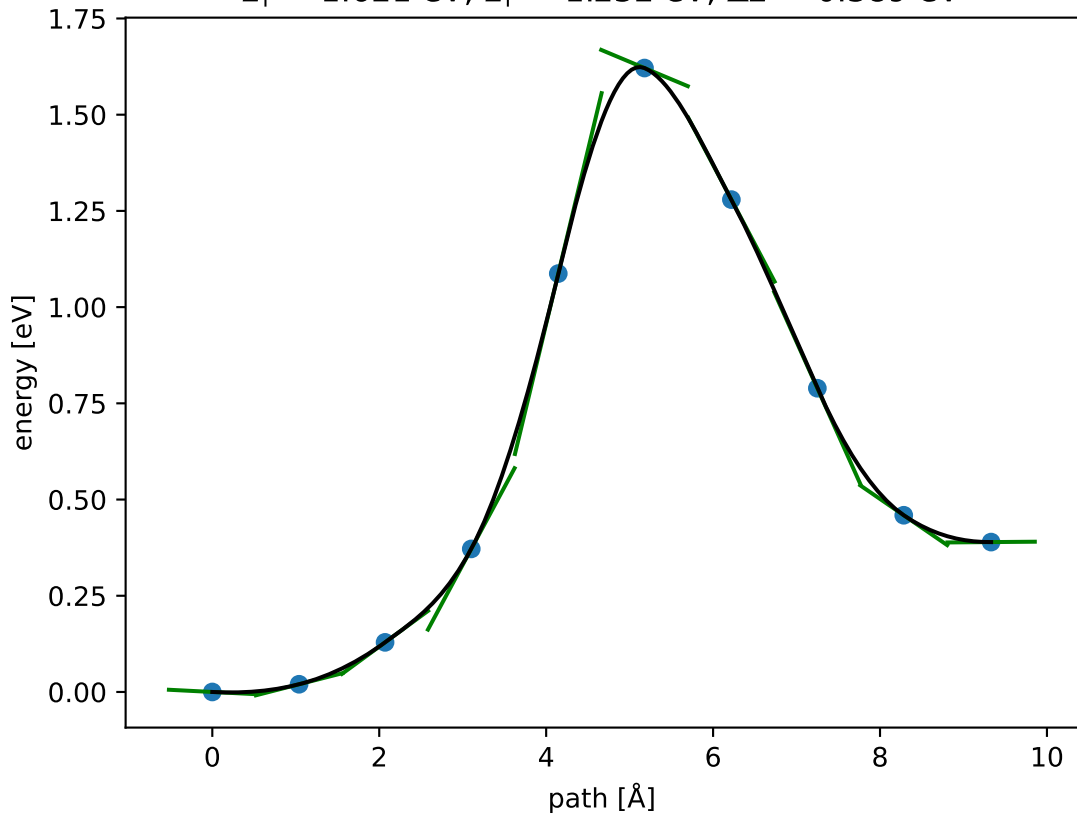




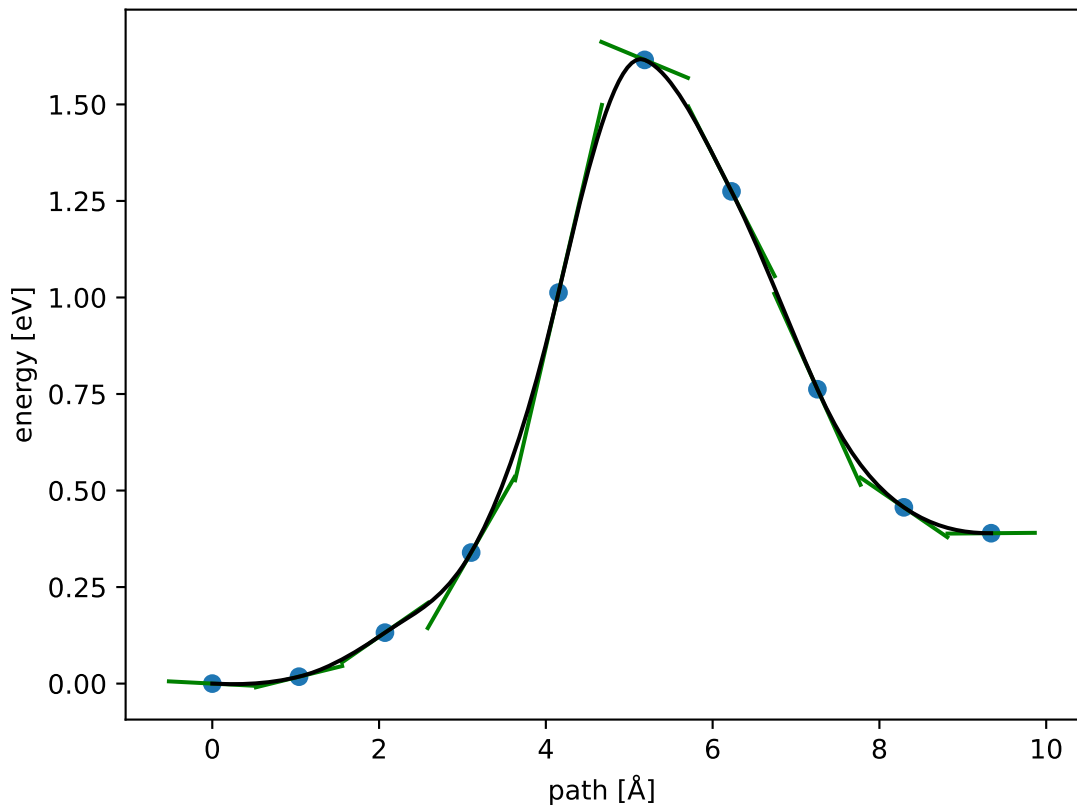
$$E_f \approx 1.639 \text{ eV}; E_r \approx 1.250 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



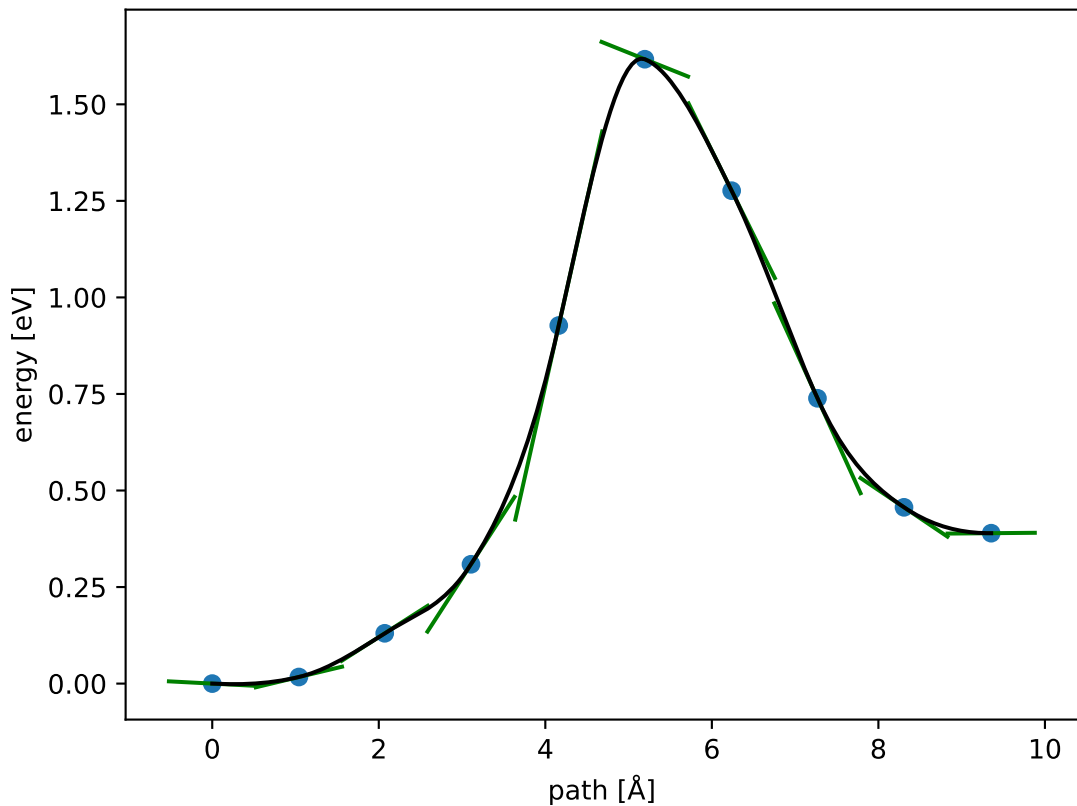
$$E_f \approx 1.621 \text{ eV}; E_r \approx 1.232 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



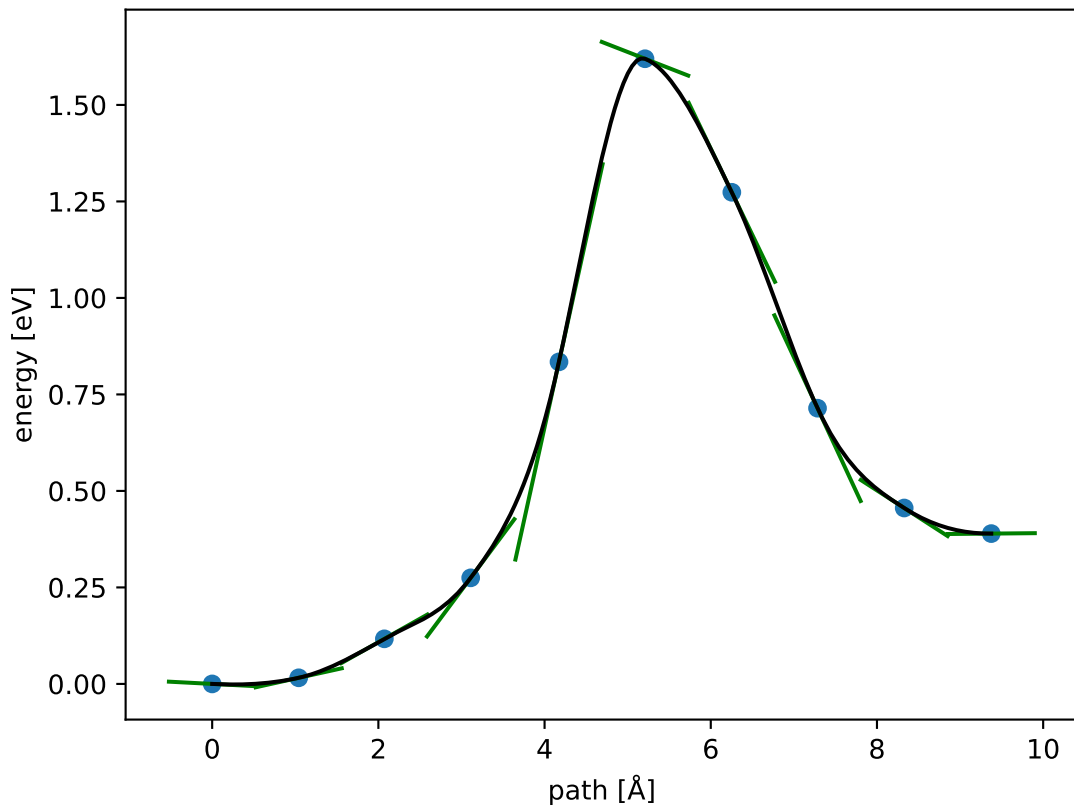
$$E_f \approx 1.615 \text{ eV}; E_r \approx 1.226 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



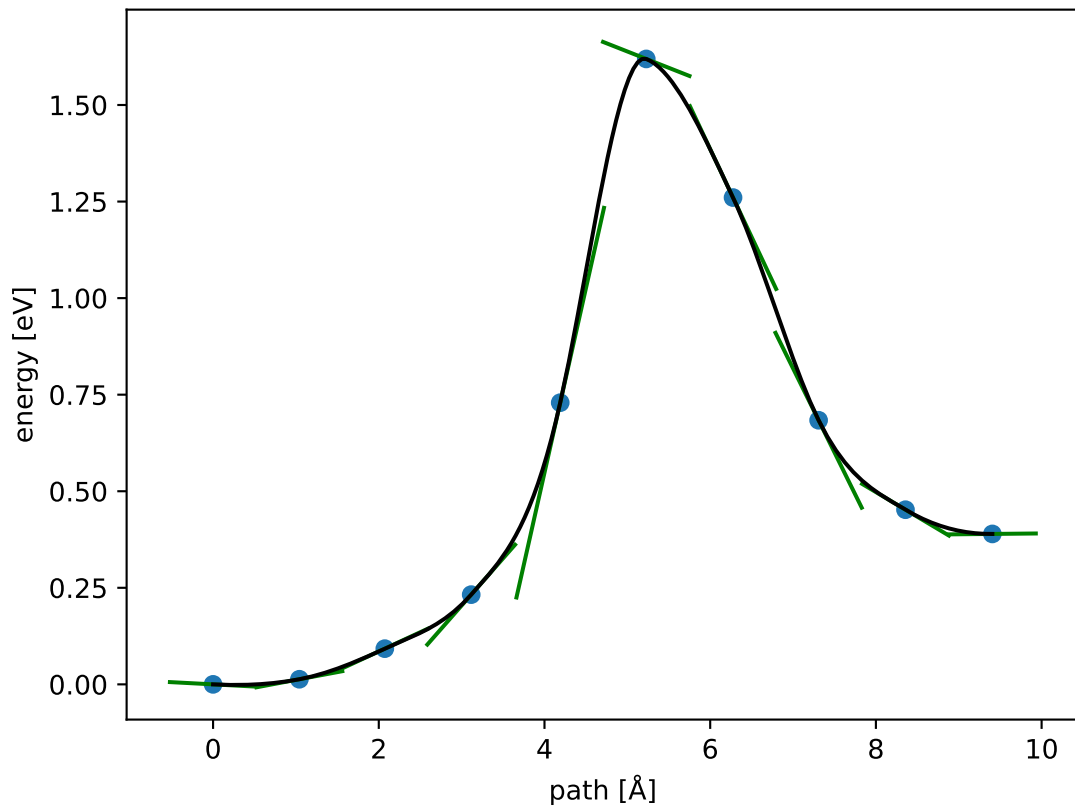
$$E_f \approx 1.617 \text{ eV}; E_r \approx 1.227 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



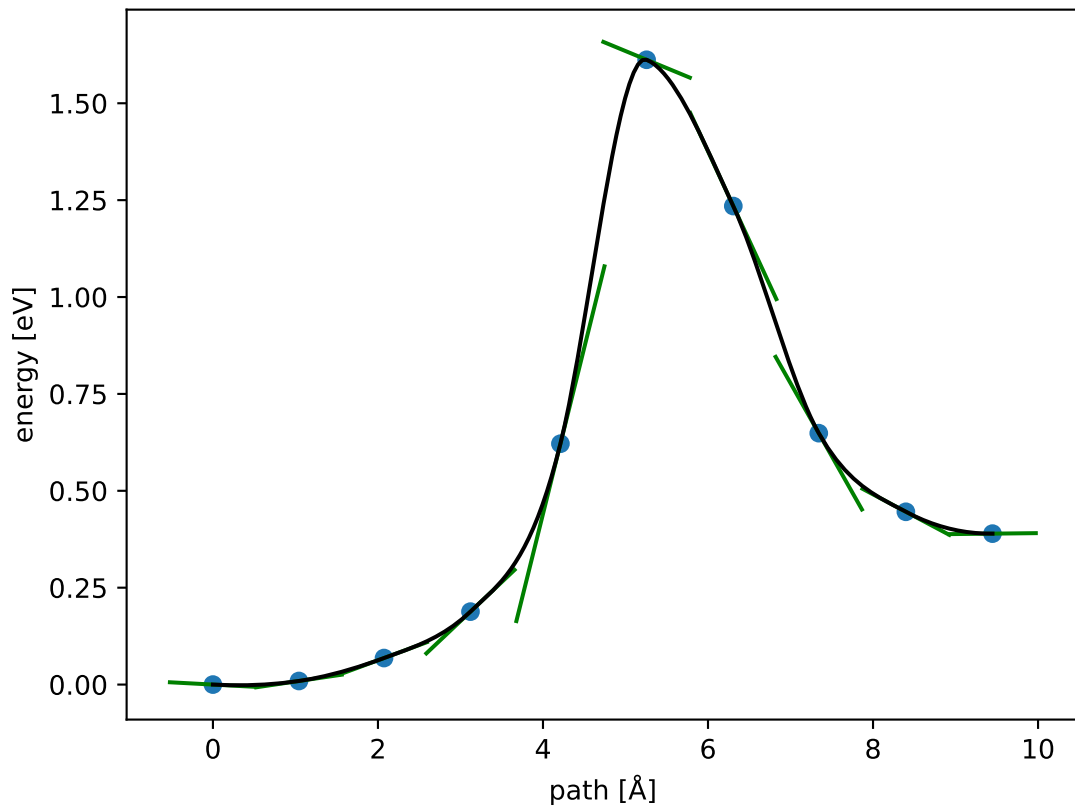
$$E_f \approx 1.620 \text{ eV}; E_r \approx 1.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



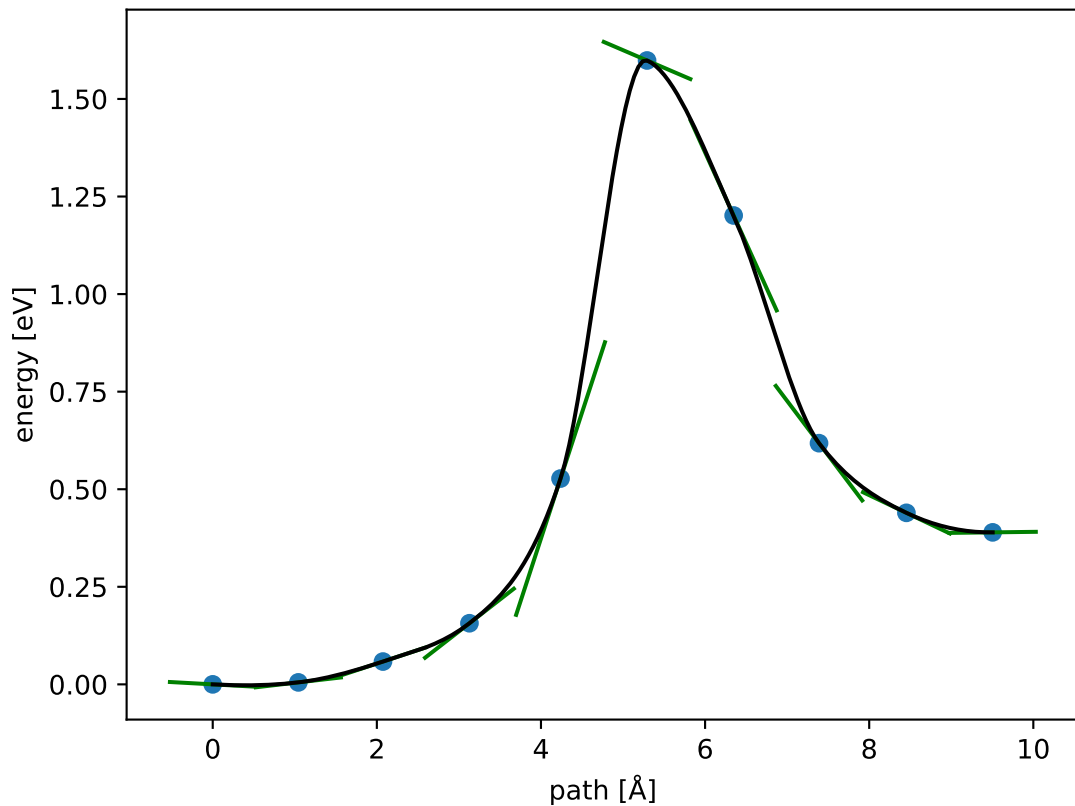
$$E_f \approx 1.619 \text{ eV}; E_r \approx 1.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.612 \text{ eV}; E_r \approx 1.223 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

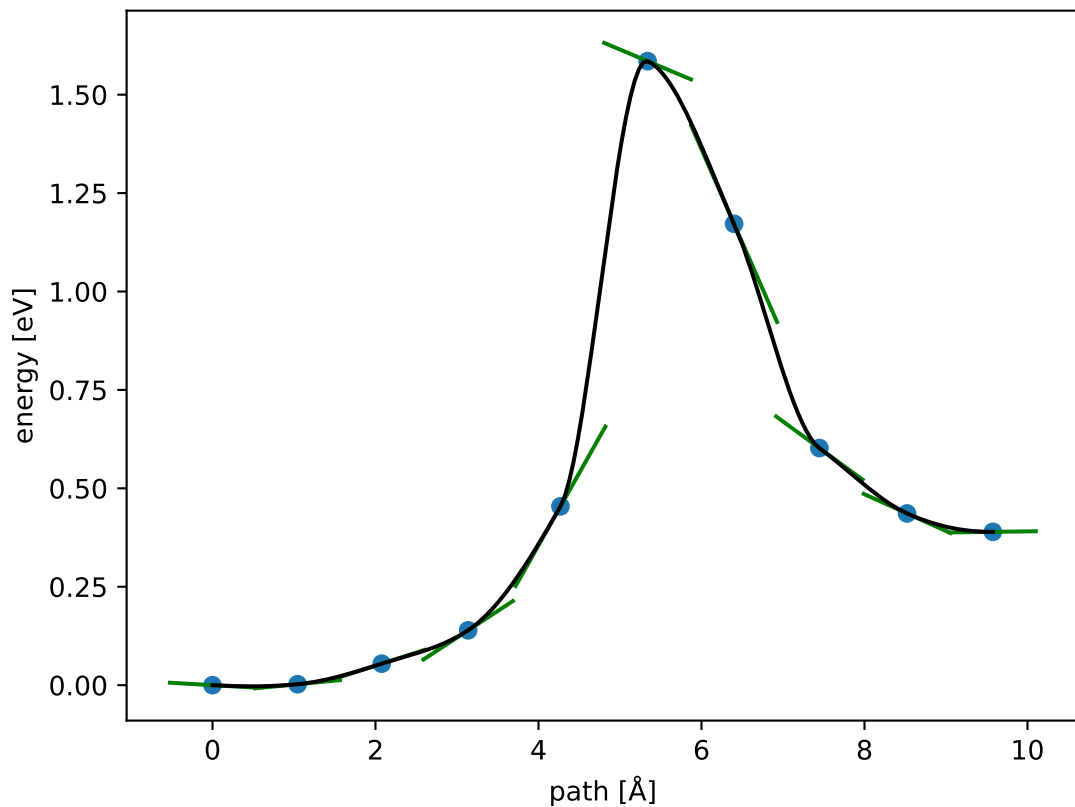


$$E_f \approx 1.599 \text{ eV}; E_r \approx 1.209 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

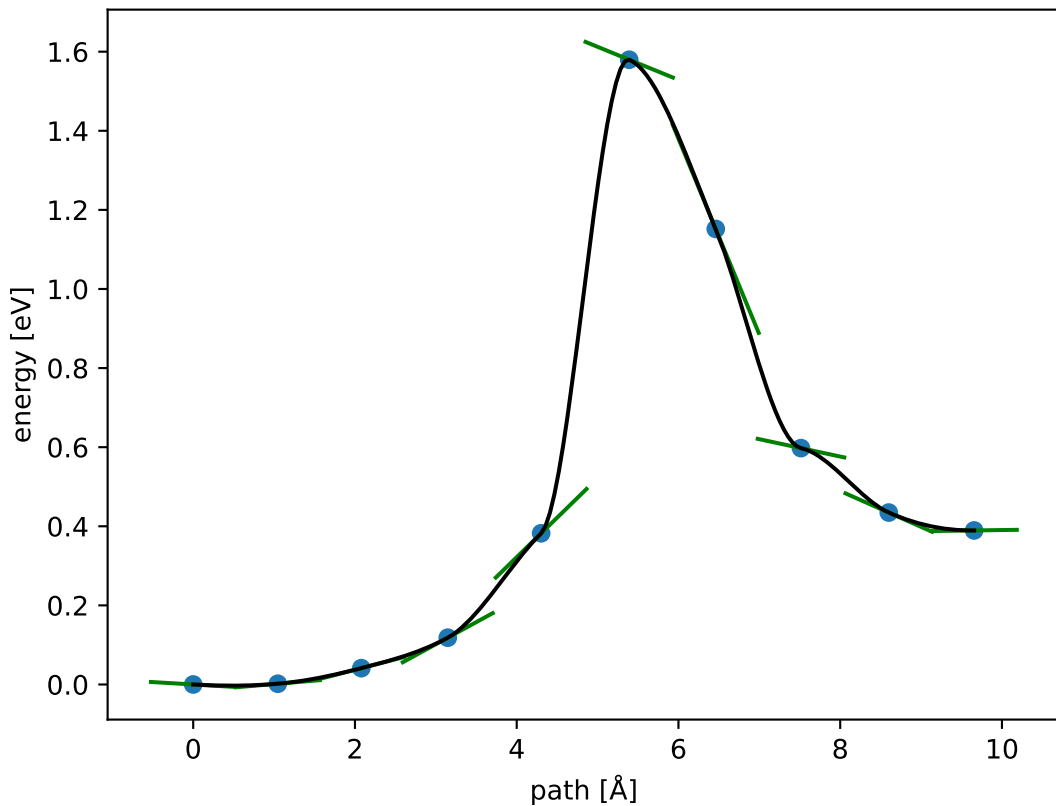




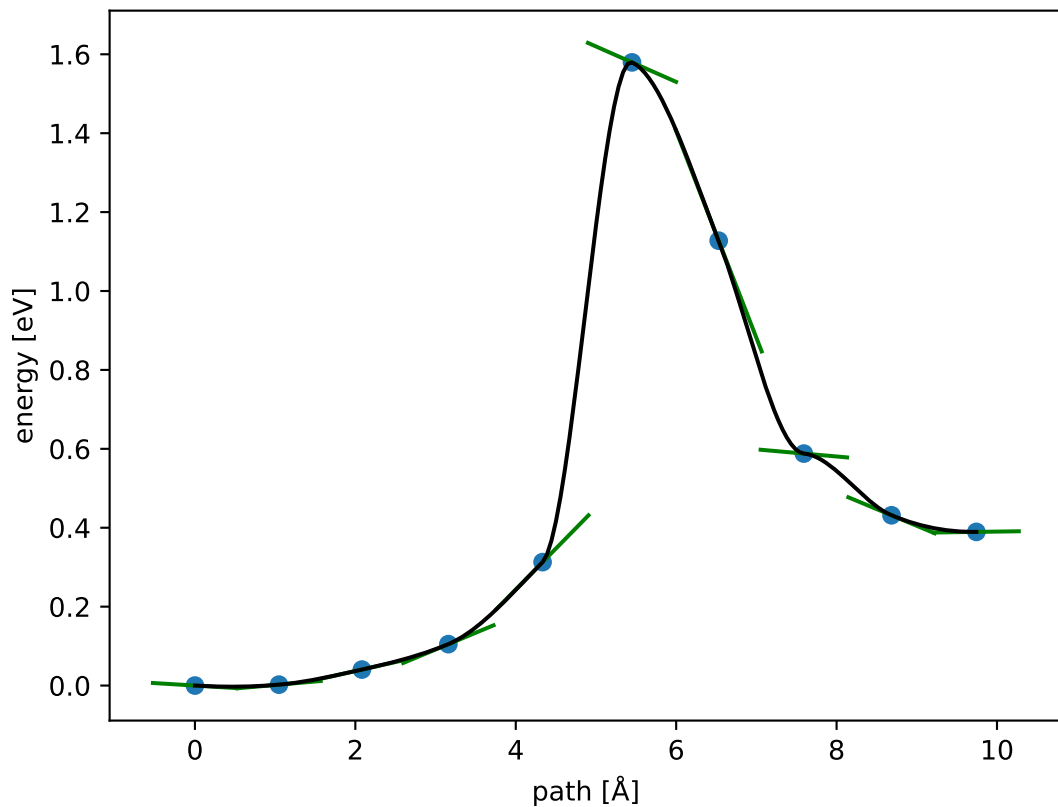
$$E_f \approx 1.585 \text{ eV}; E_r \approx 1.196 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



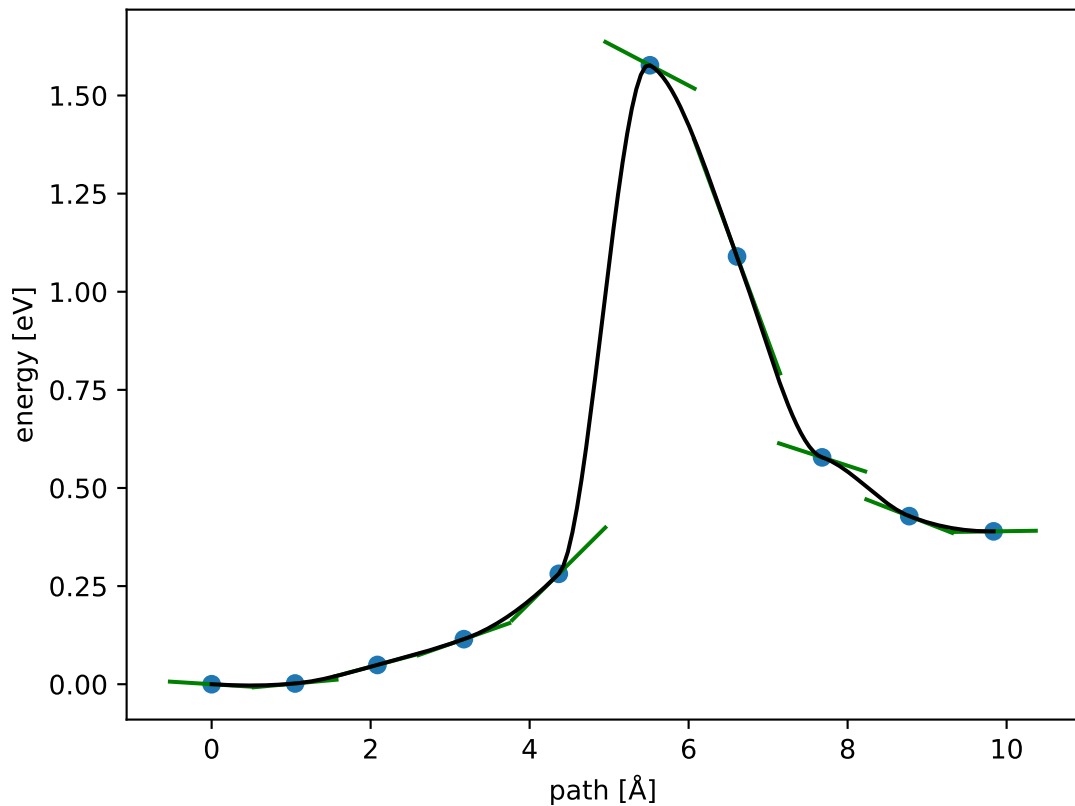
$$E_f \approx 1.580 \text{ eV}; E_r \approx 1.190 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



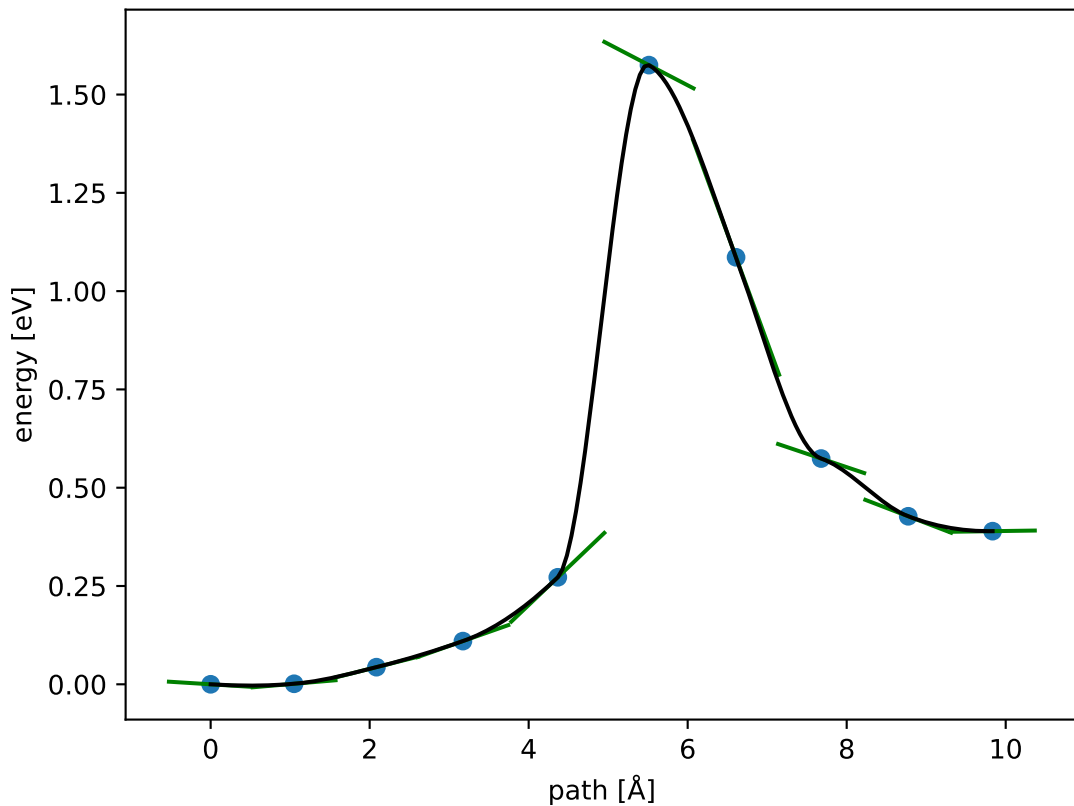
$$E_f \approx 1.580 \text{ eV}; E_r \approx 1.190 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



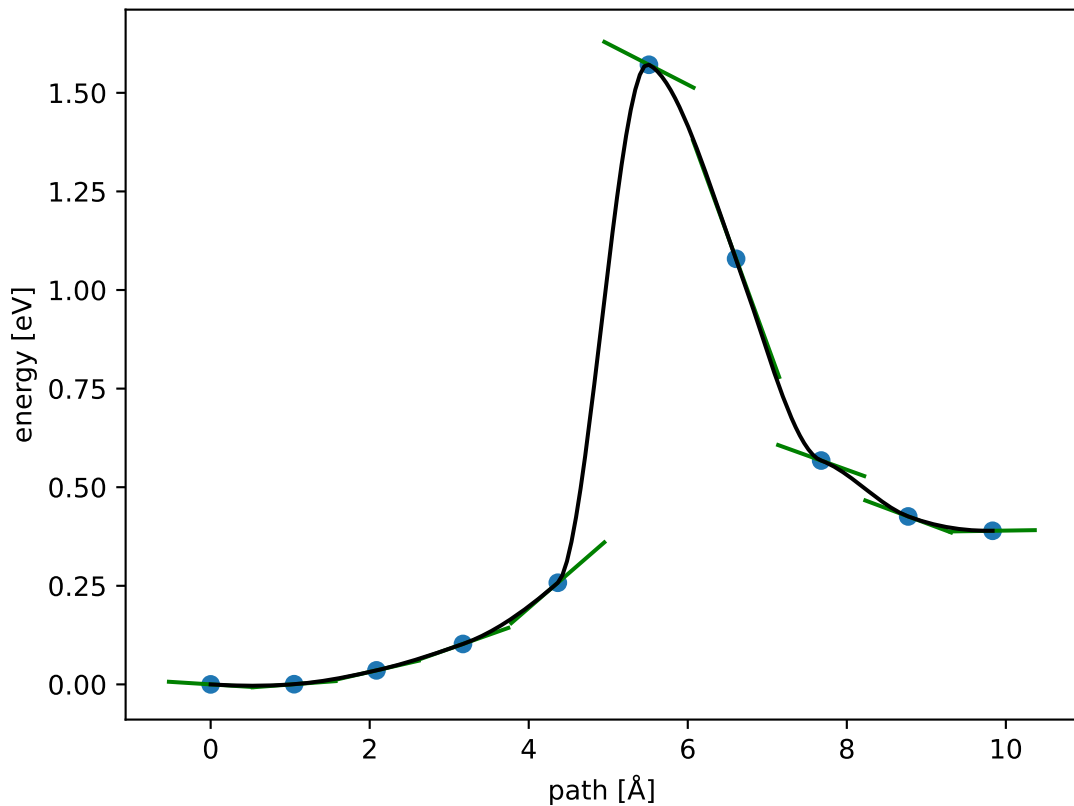
$$E_f \approx 1.577 \text{ eV}; E_r \approx 1.188 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



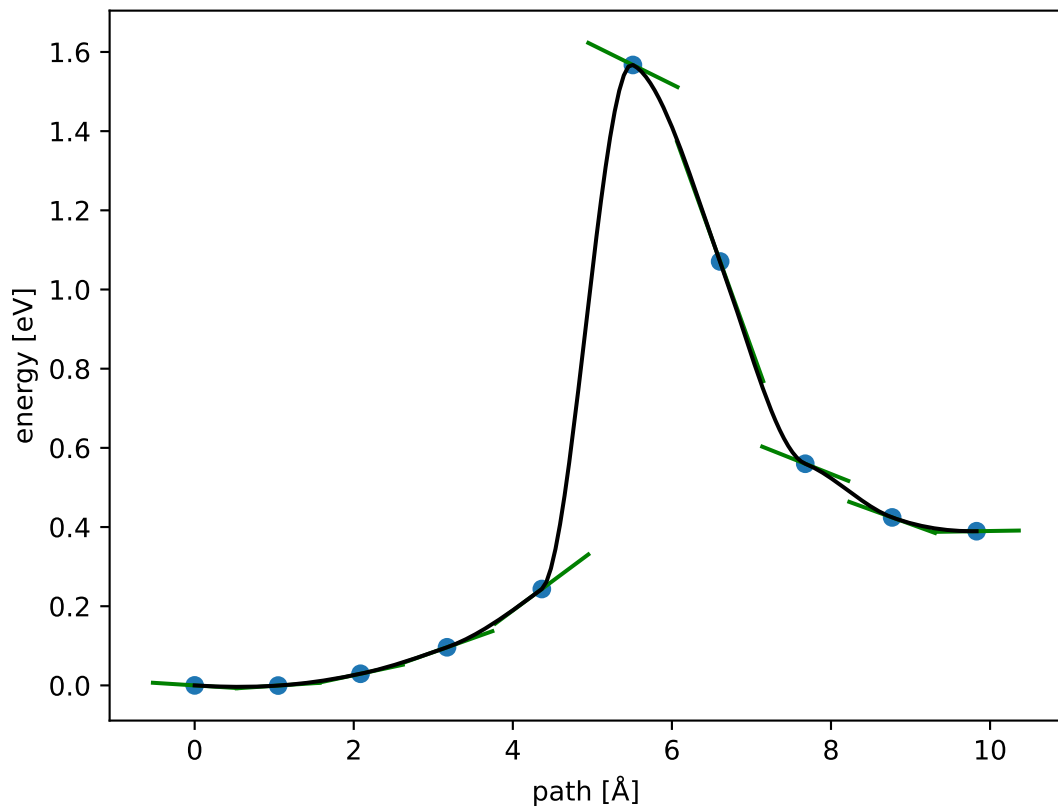
$$E_f \approx 1.575 \text{ eV}; E_r \approx 1.185 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



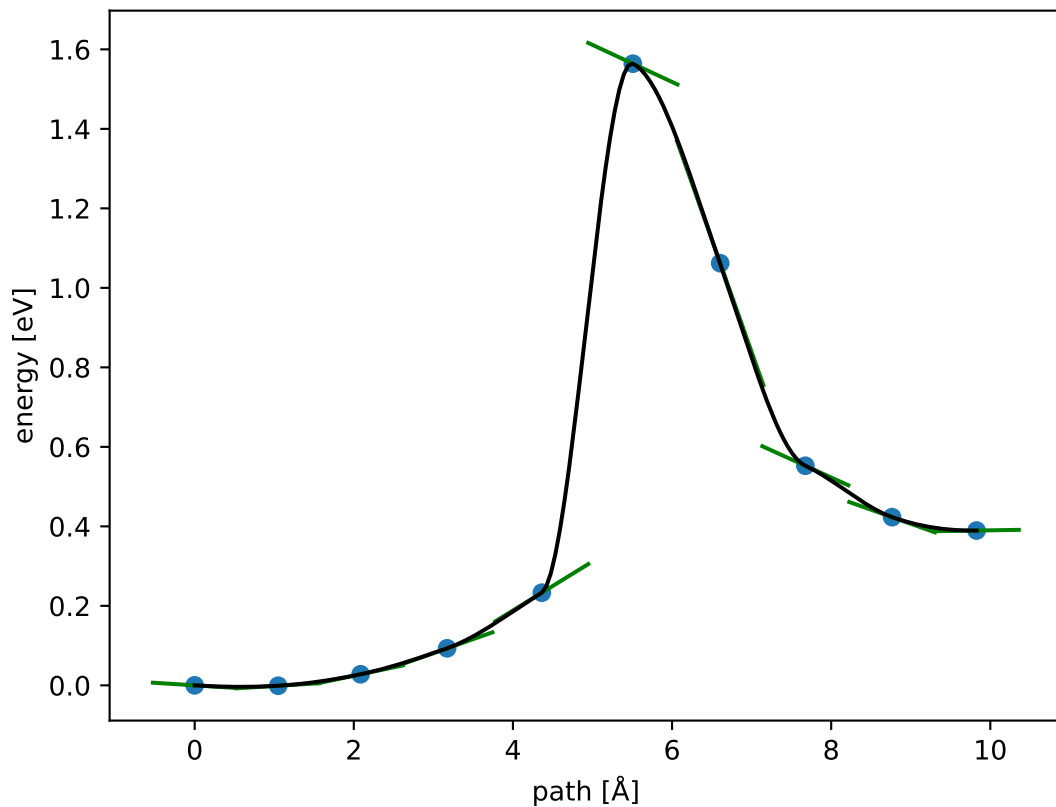
$$E_f \approx 1.571 \text{ eV}; E_r \approx 1.182 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.567 \text{ eV}; E_r \approx 1.178 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

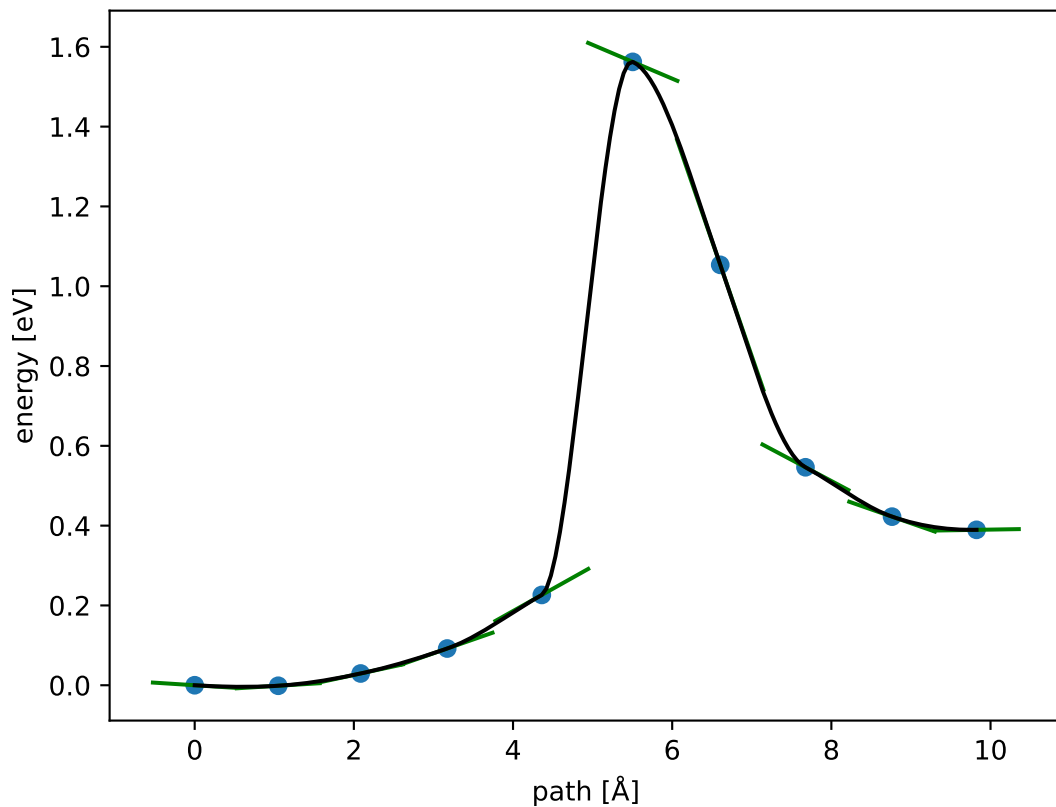


$$E_f \approx 1.564 \text{ eV}; E_r \approx 1.175 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

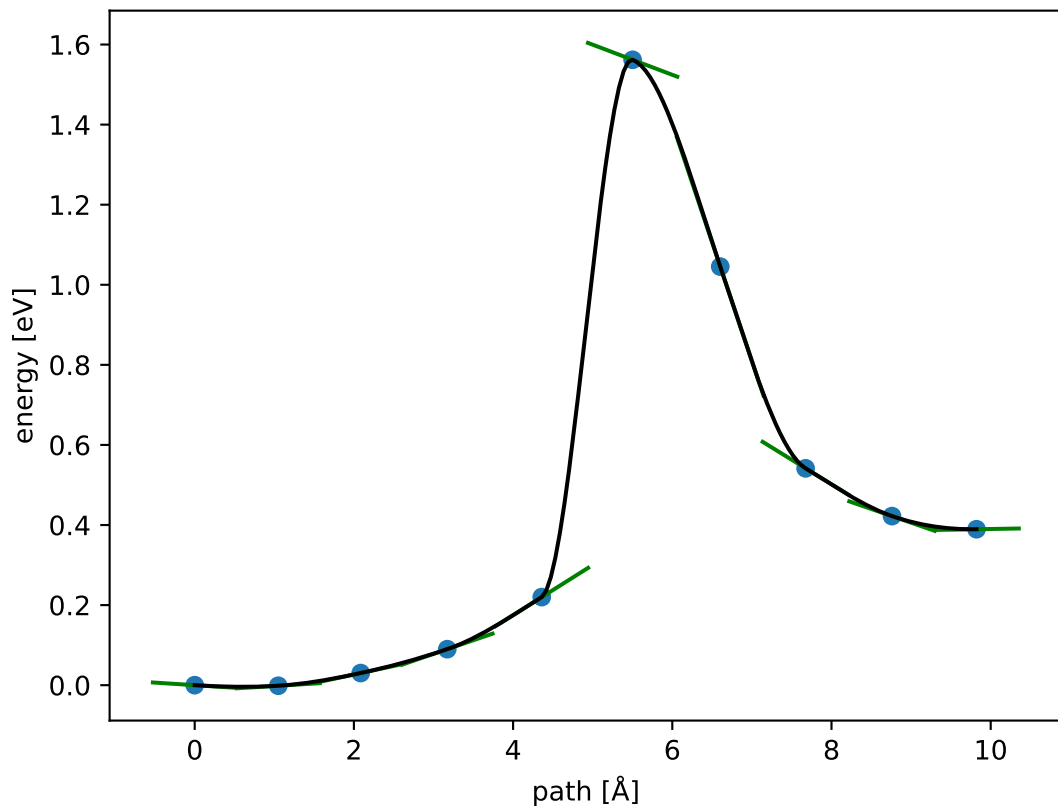




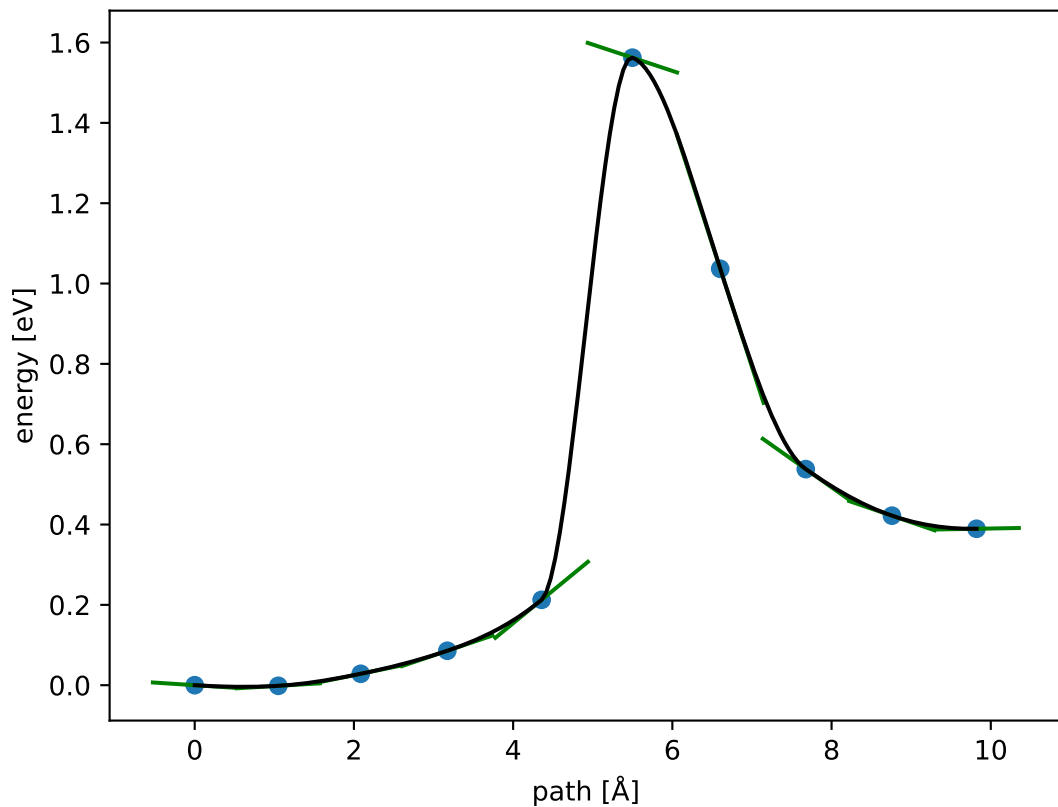
$$E_f \approx 1.562 \text{ eV}; E_r \approx 1.173 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



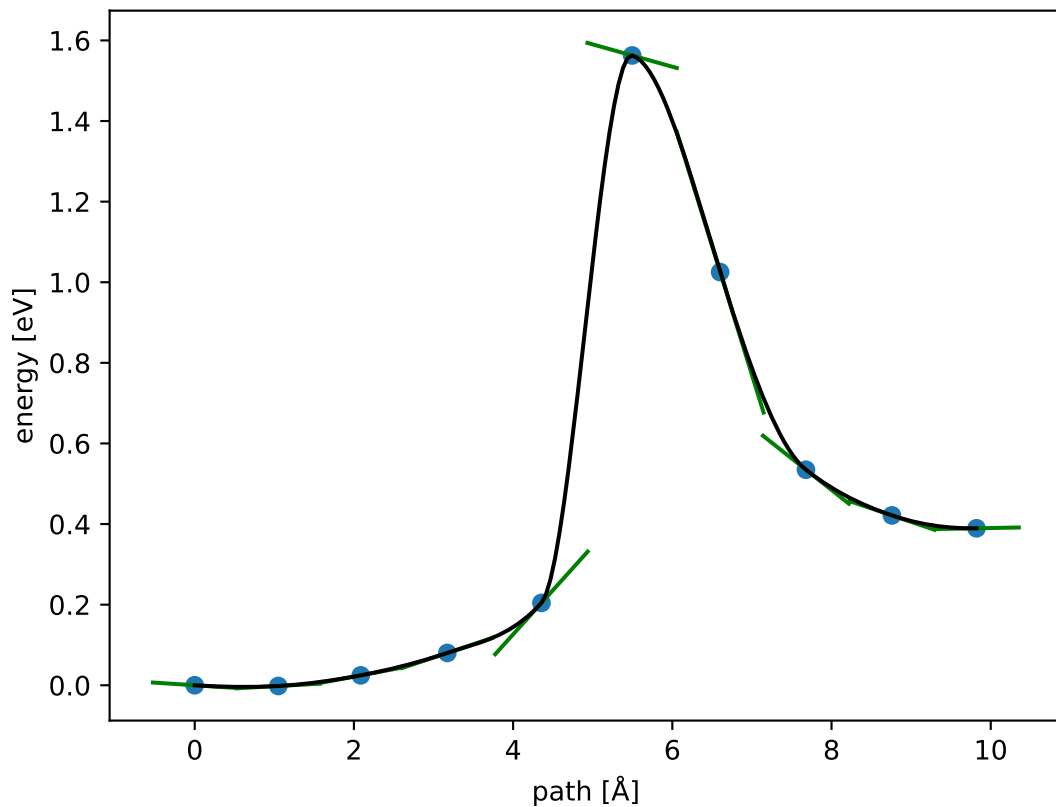
$$E_f \approx 1.562 \text{ eV}; E_r \approx 1.172 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



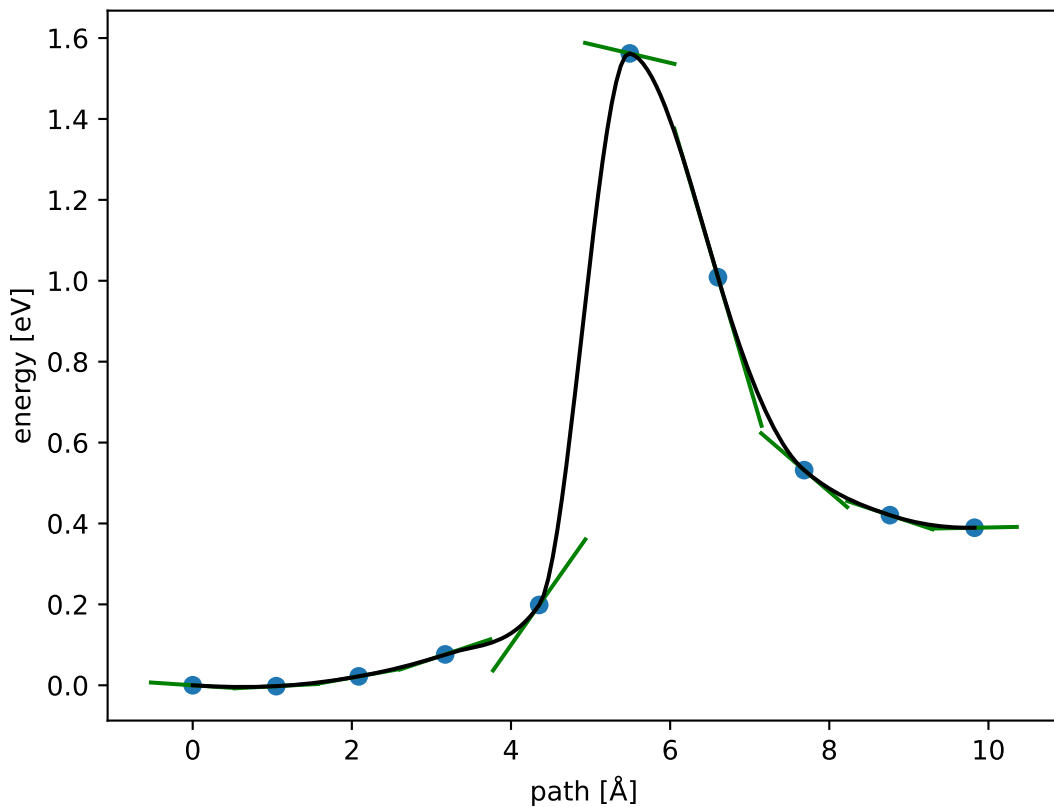
$$E_f \approx 1.562 \text{ eV}; E_r \approx 1.173 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



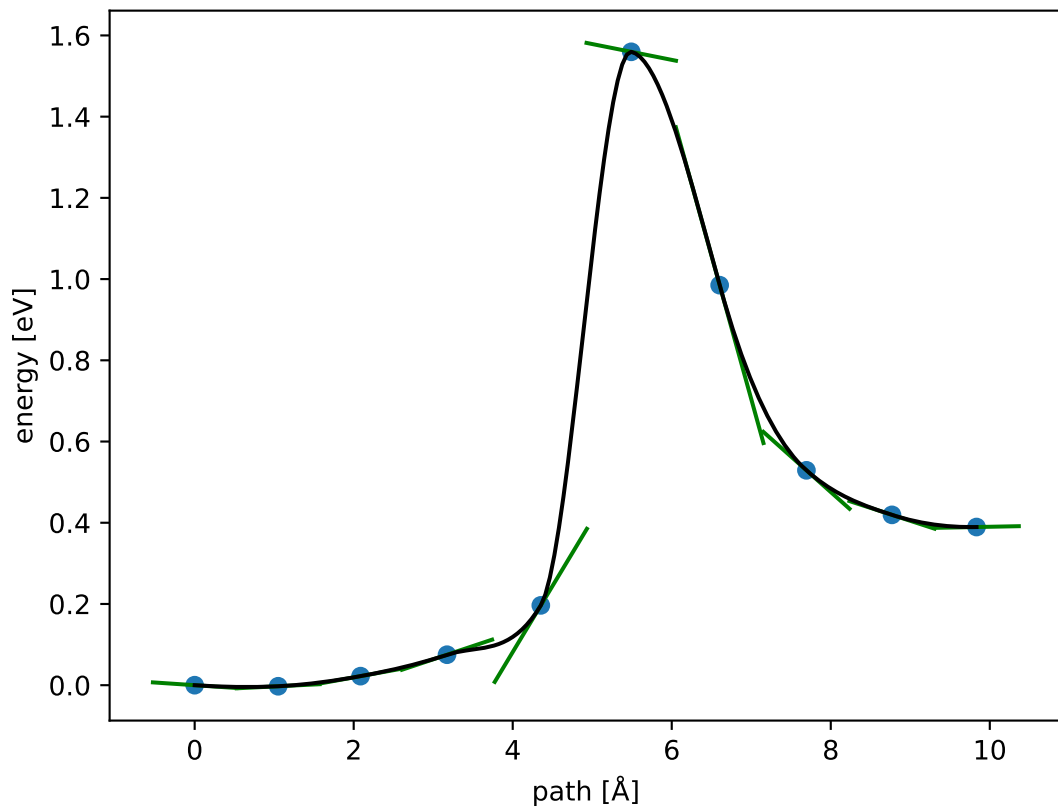
$$E_f \approx 1.563 \text{ eV}; E_r \approx 1.173 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



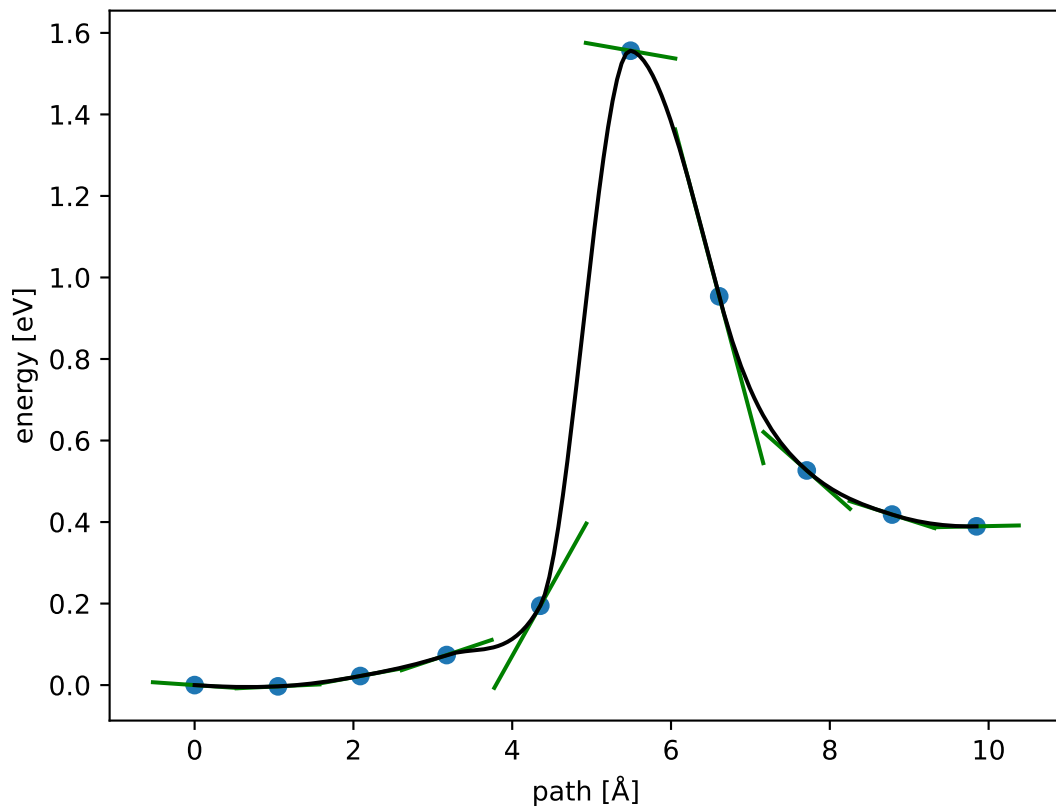
$$E_f \approx 1.562 \text{ eV}; E_r \approx 1.173 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



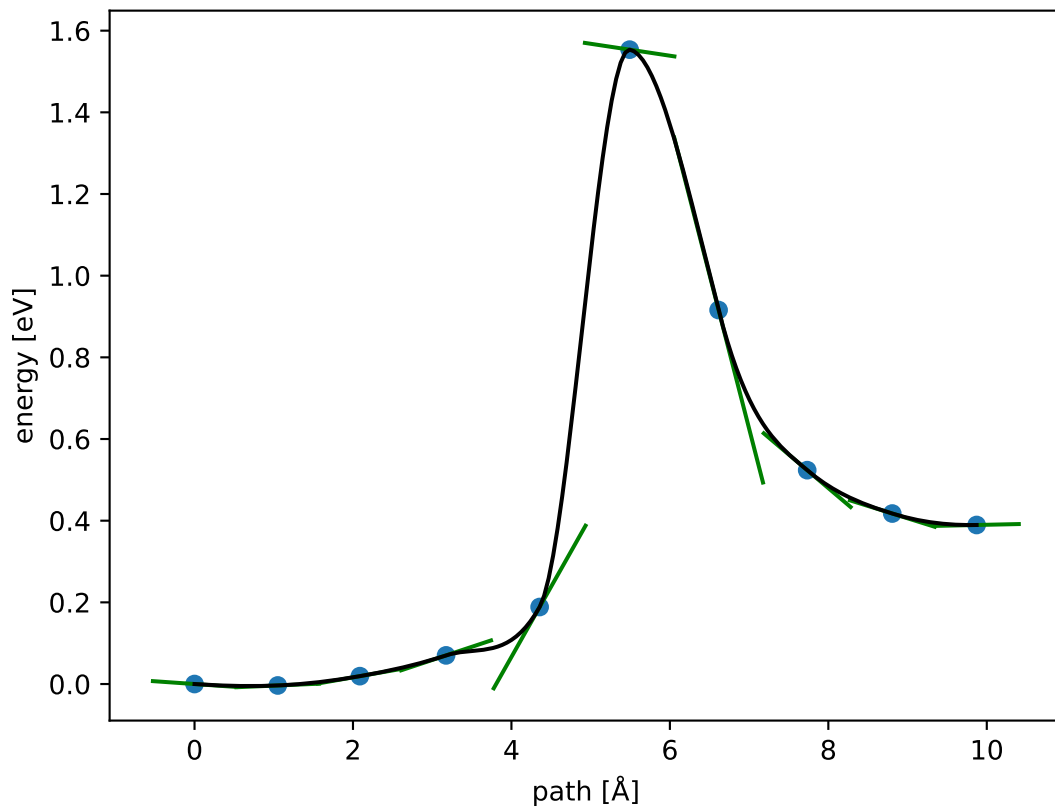
$$E_f \approx 1.560 \text{ eV}; E_r \approx 1.170 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.556 \text{ eV}; E_r \approx 1.167 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

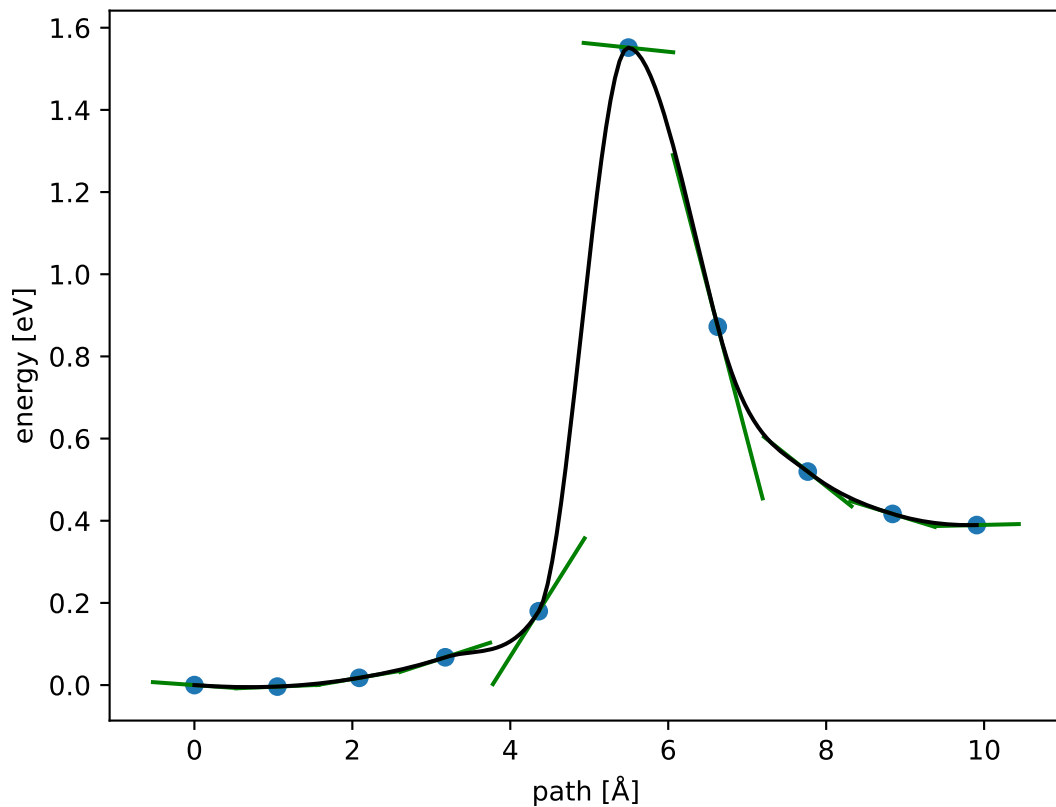


$$E_f \approx 1.553 \text{ eV}; E_r \approx 1.164 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

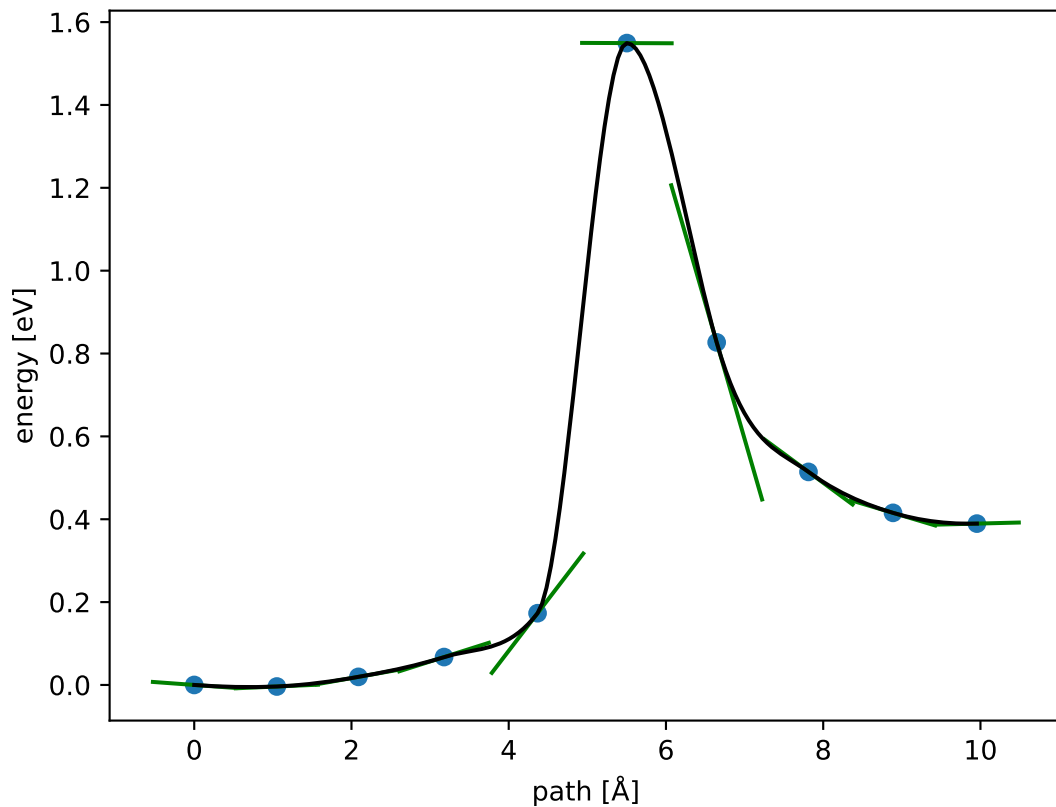




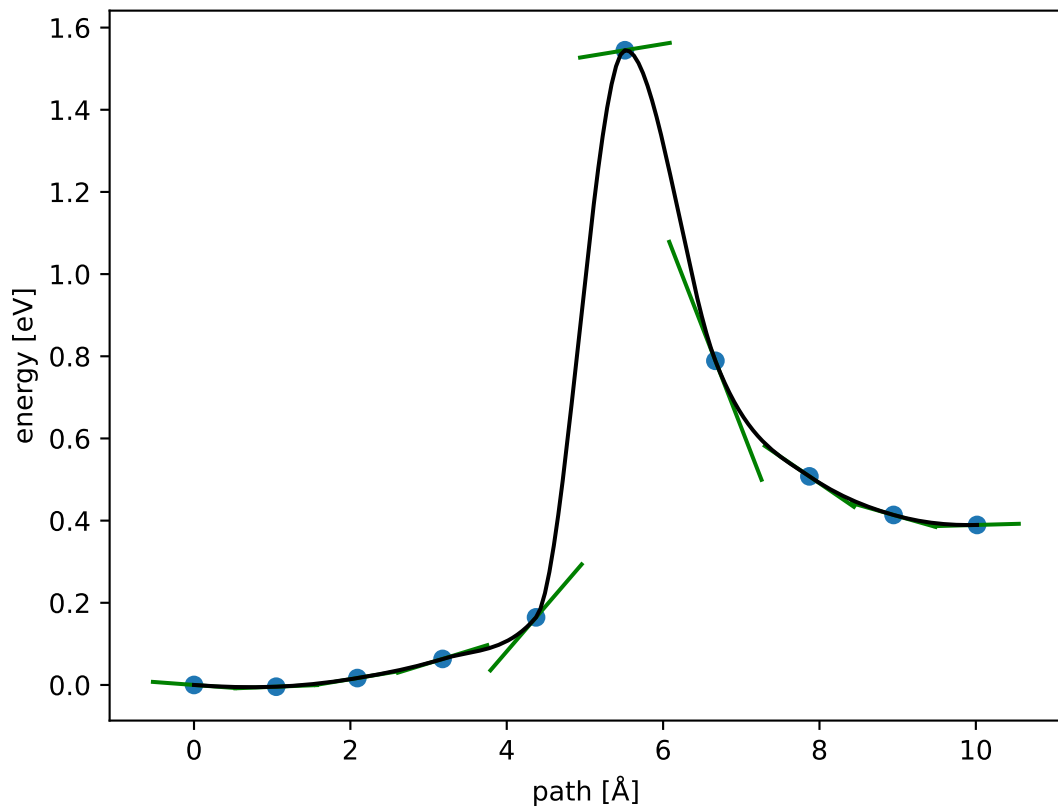
$$E_f \approx 1.552 \text{ eV}; E_r \approx 1.162 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



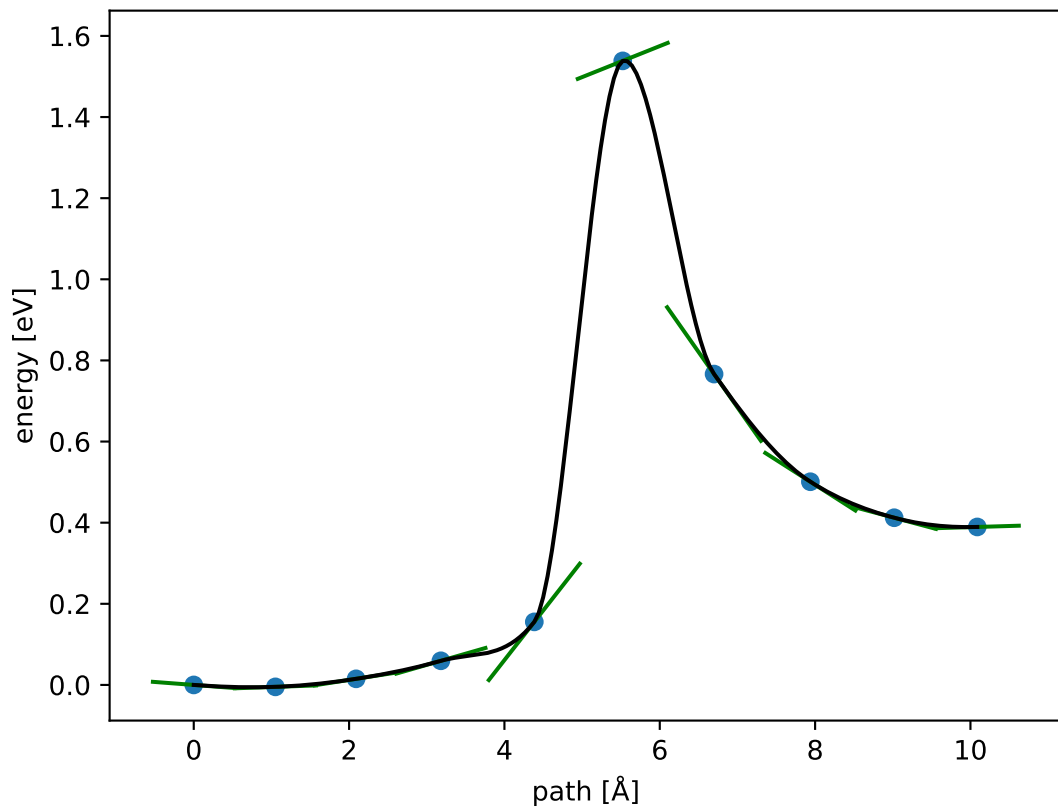
$$E_f \approx 1.549 \text{ eV}; E_r \approx 1.160 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



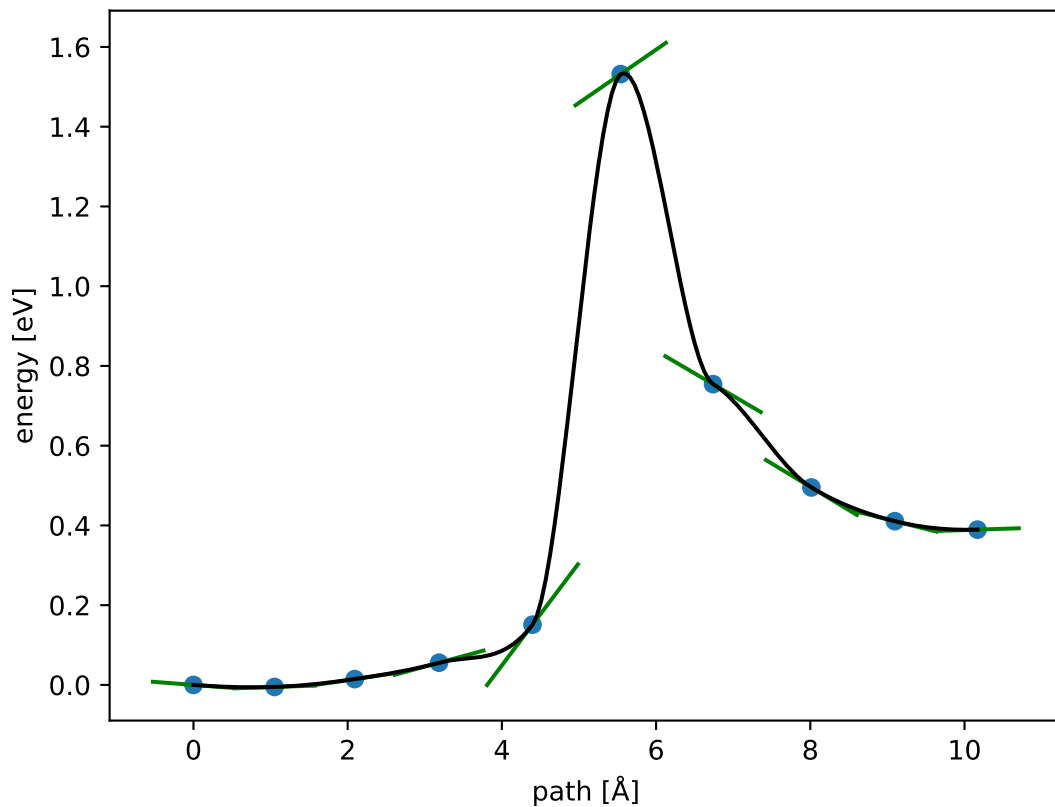
$$E_f \approx 1.545 \text{ eV}; E_r \approx 1.155 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



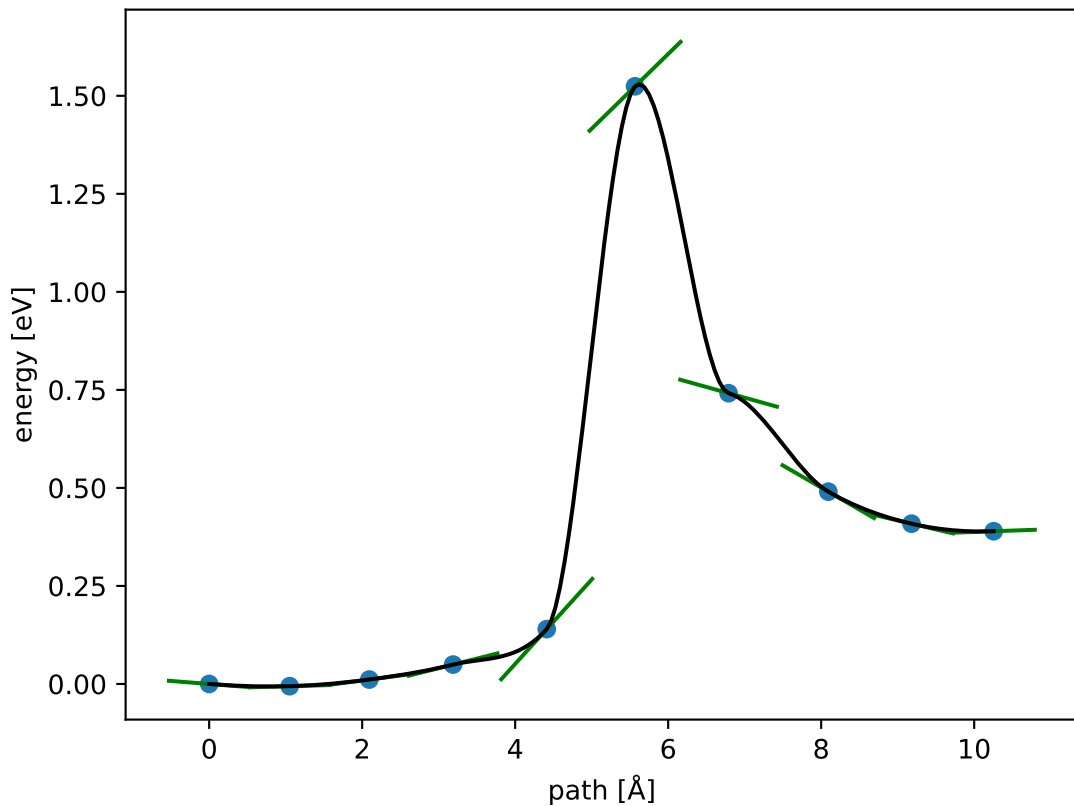
$$E_f \approx 1.538 \text{ eV}; E_r \approx 1.149 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



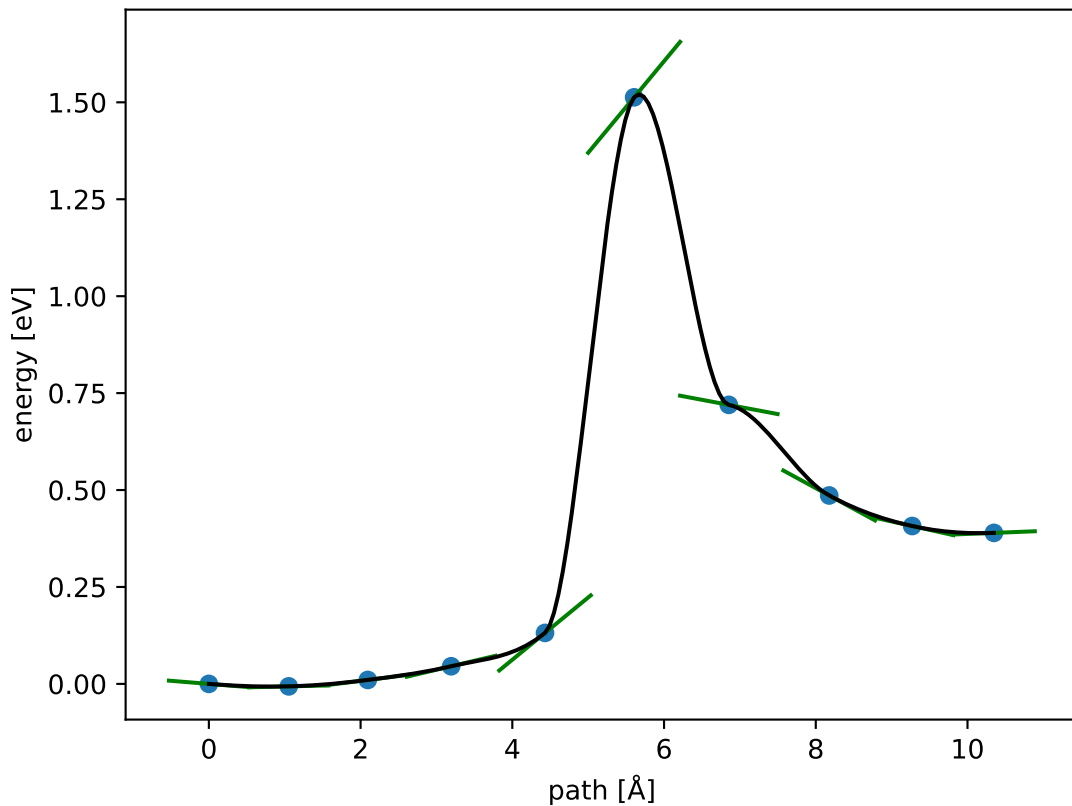
$$E_f \approx 1.532 \text{ eV}; E_r \approx 1.143 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



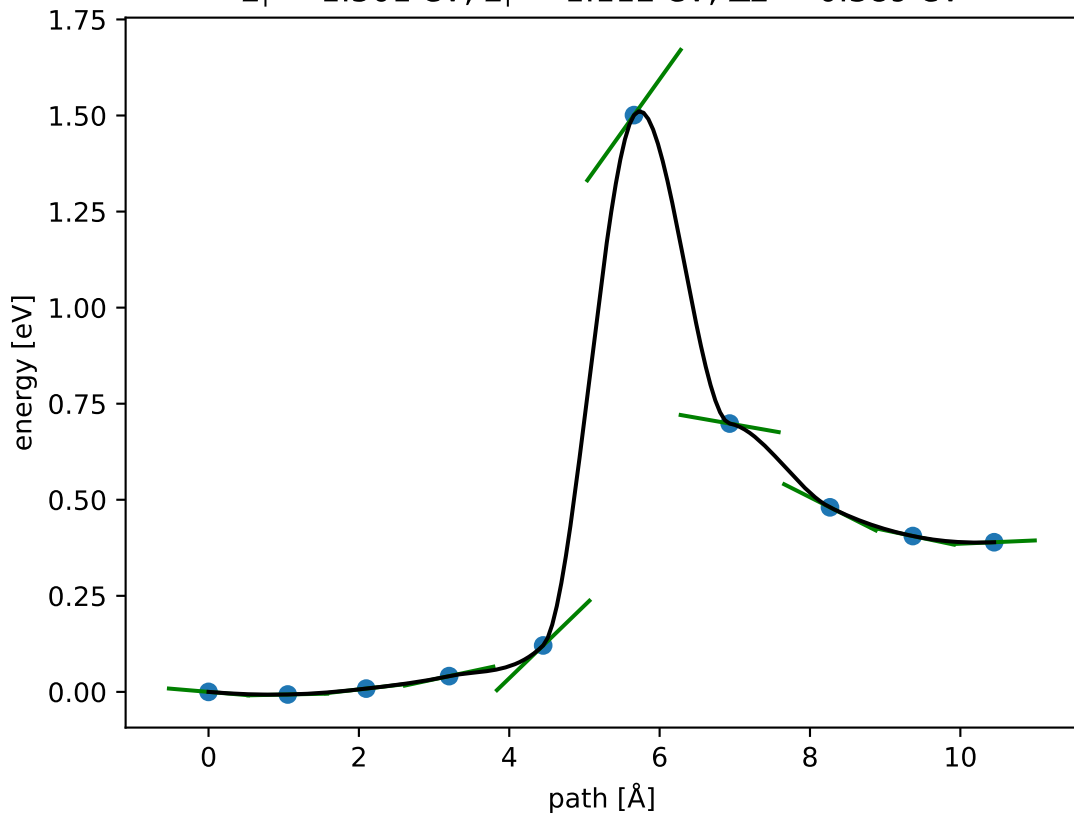
$$E_f \approx 1.524 \text{ eV}; E_r \approx 1.135 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.513 \text{ eV}; E_r \approx 1.123 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

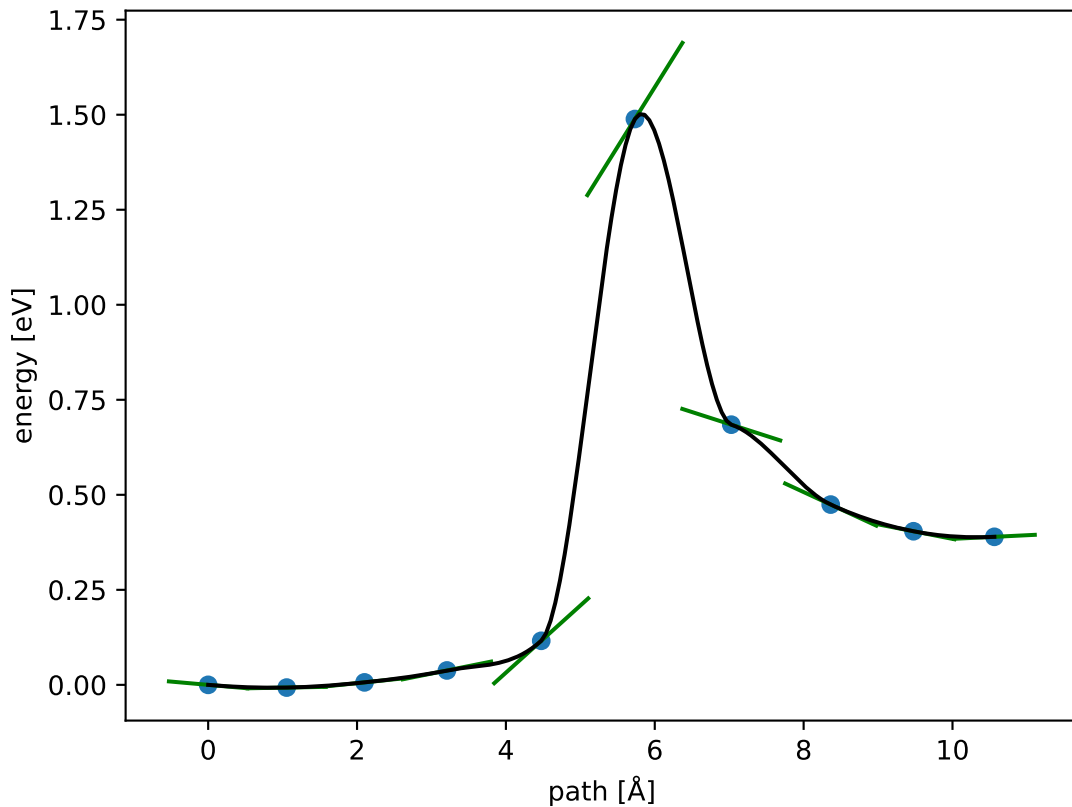


$$E_f \approx 1.501 \text{ eV}; E_r \approx 1.112 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

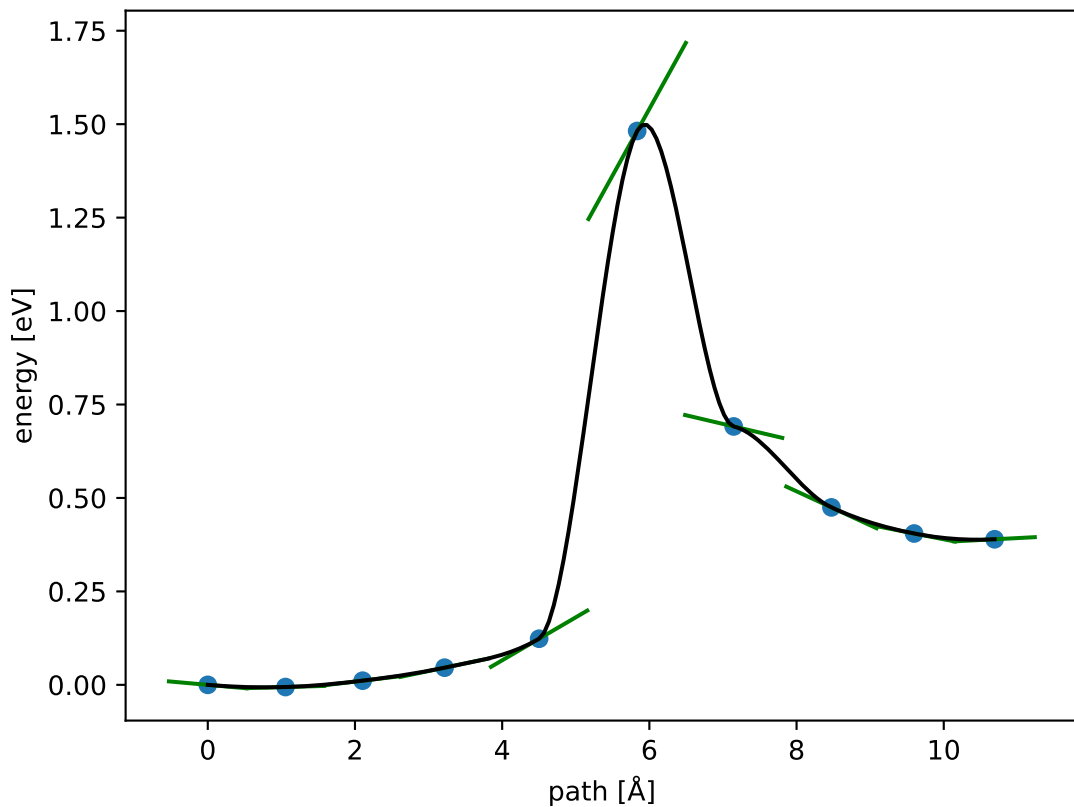




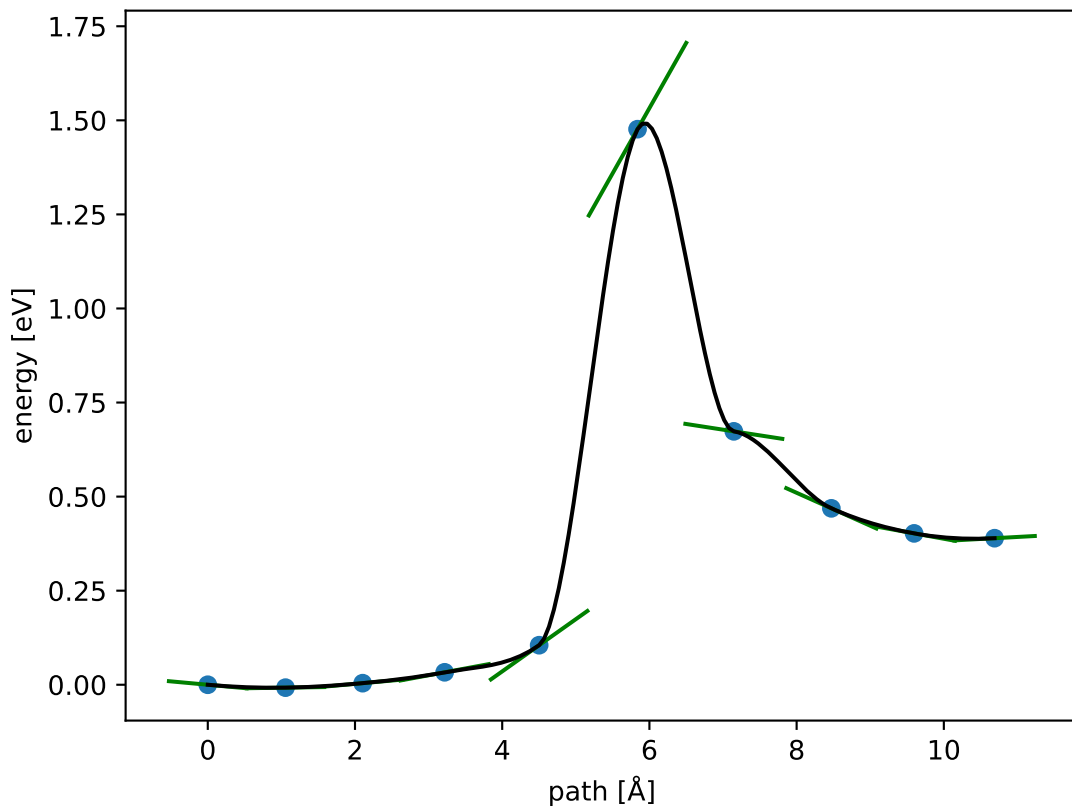
$$E_f \approx 1.489 \text{ eV}; E_r \approx 1.099 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



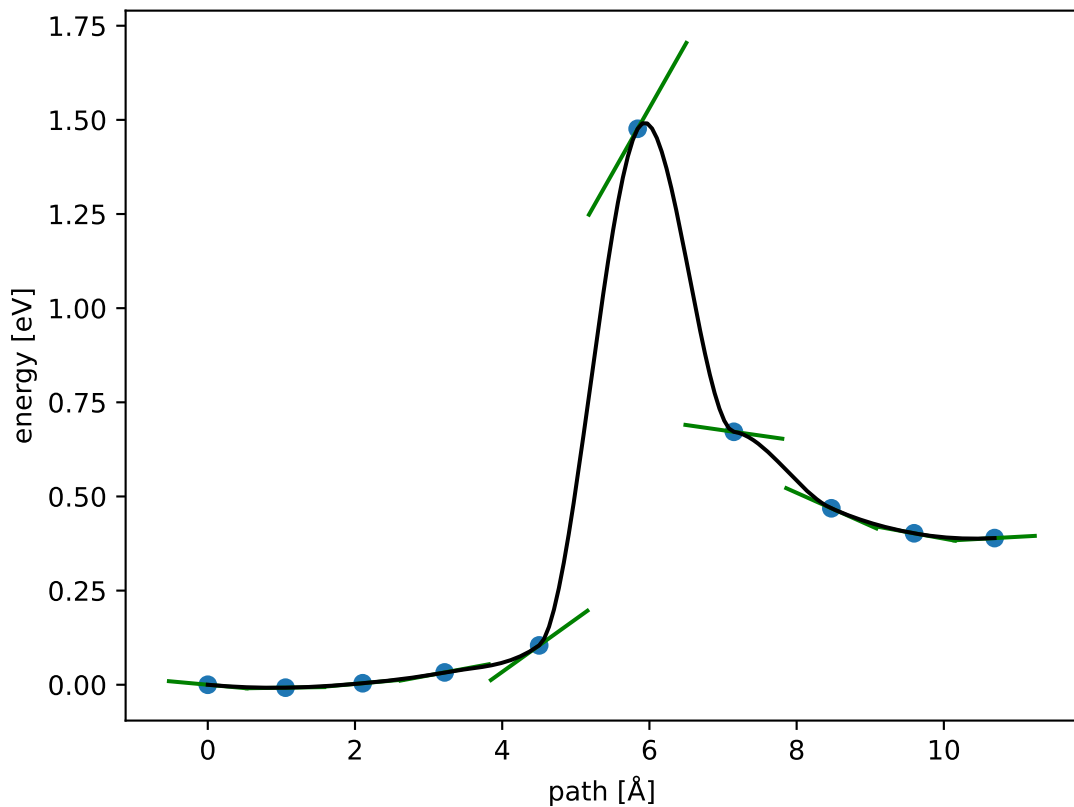
$$E_f \approx 1.482 \text{ eV}; E_r \approx 1.092 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



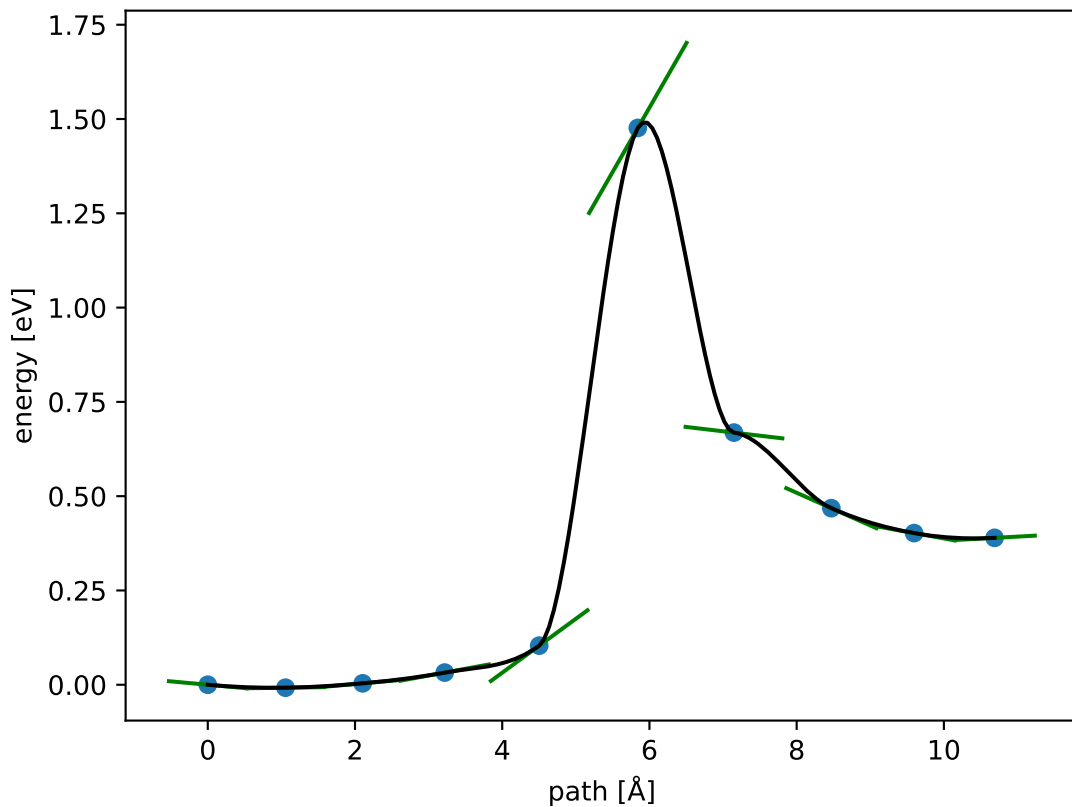
$$E_f \approx 1.476 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



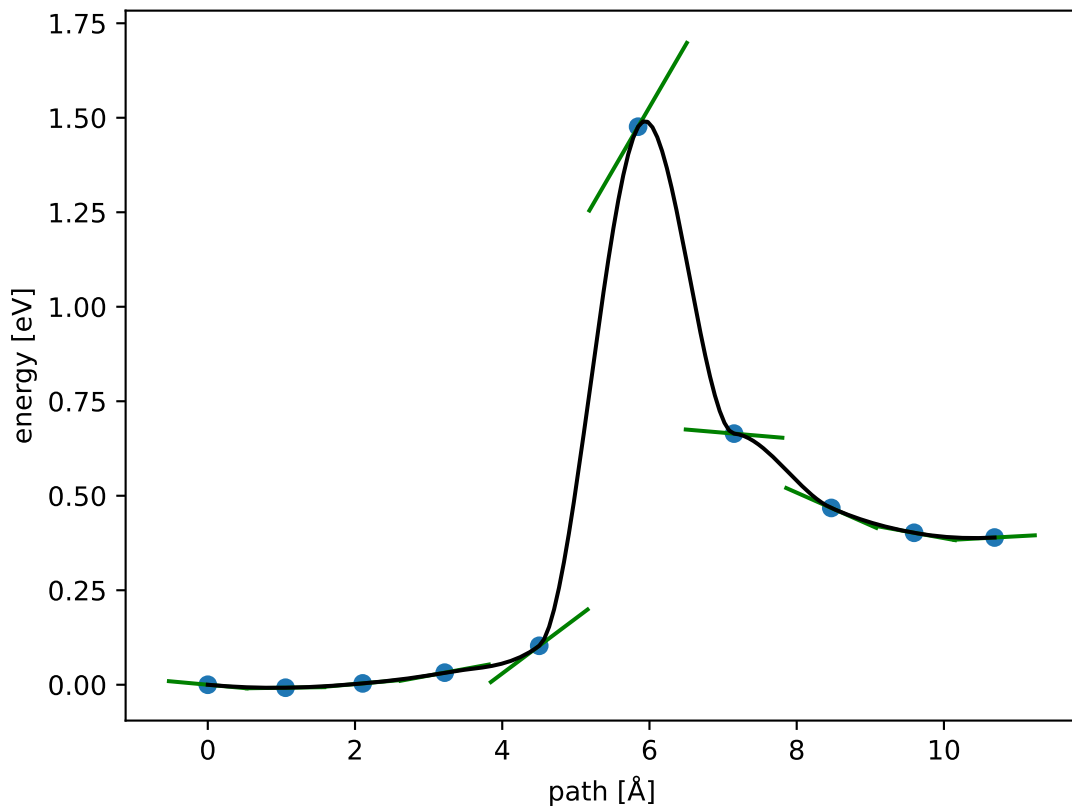
$$E_f \approx 1.476 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



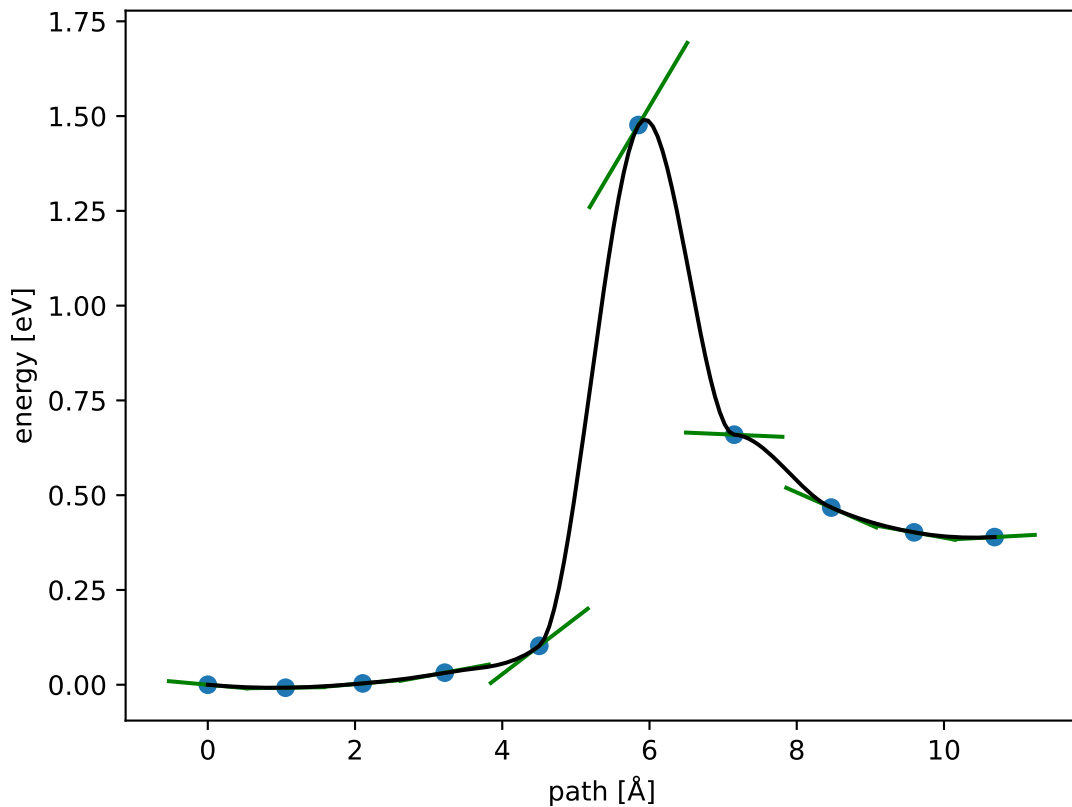
$$E_f \approx 1.476 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



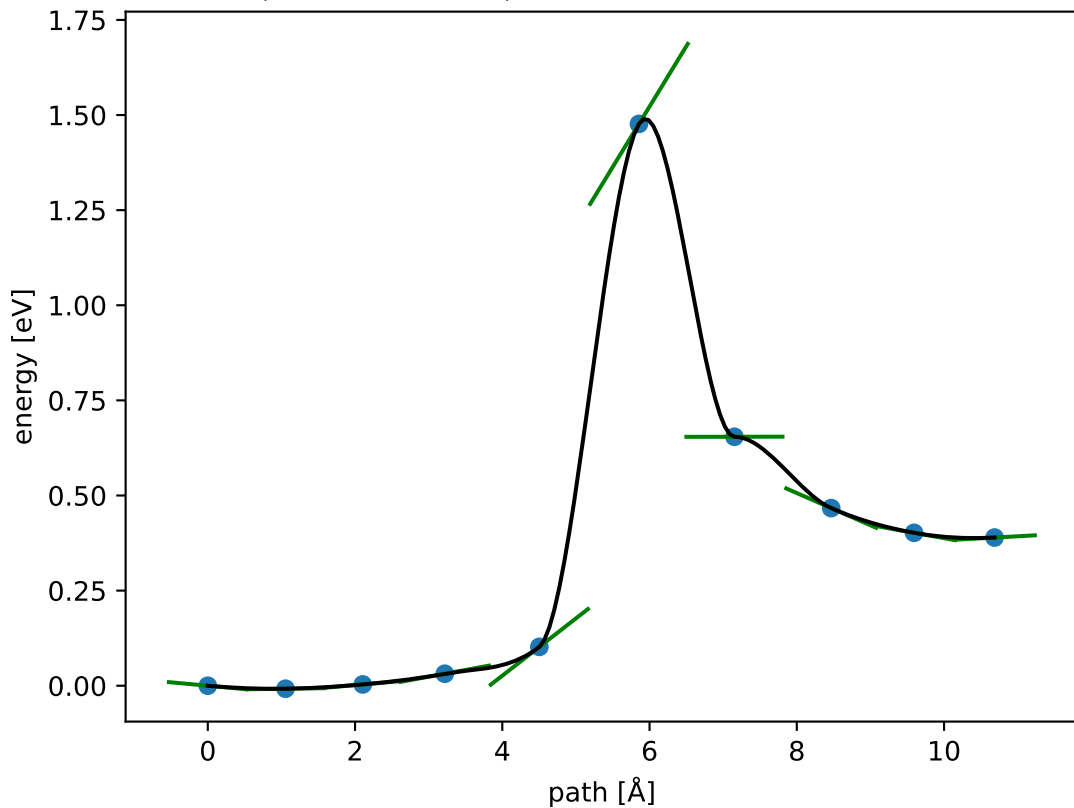
$$E_f \approx 1.476 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.476 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

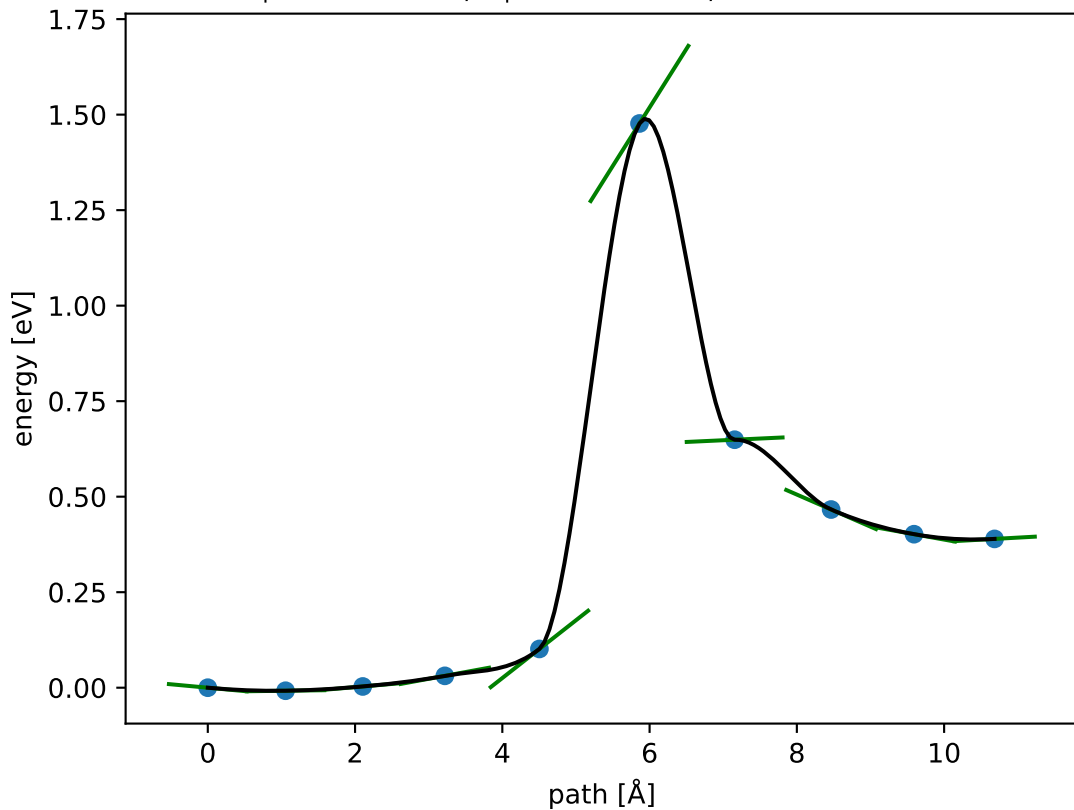


$$E_f \approx 1.477 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

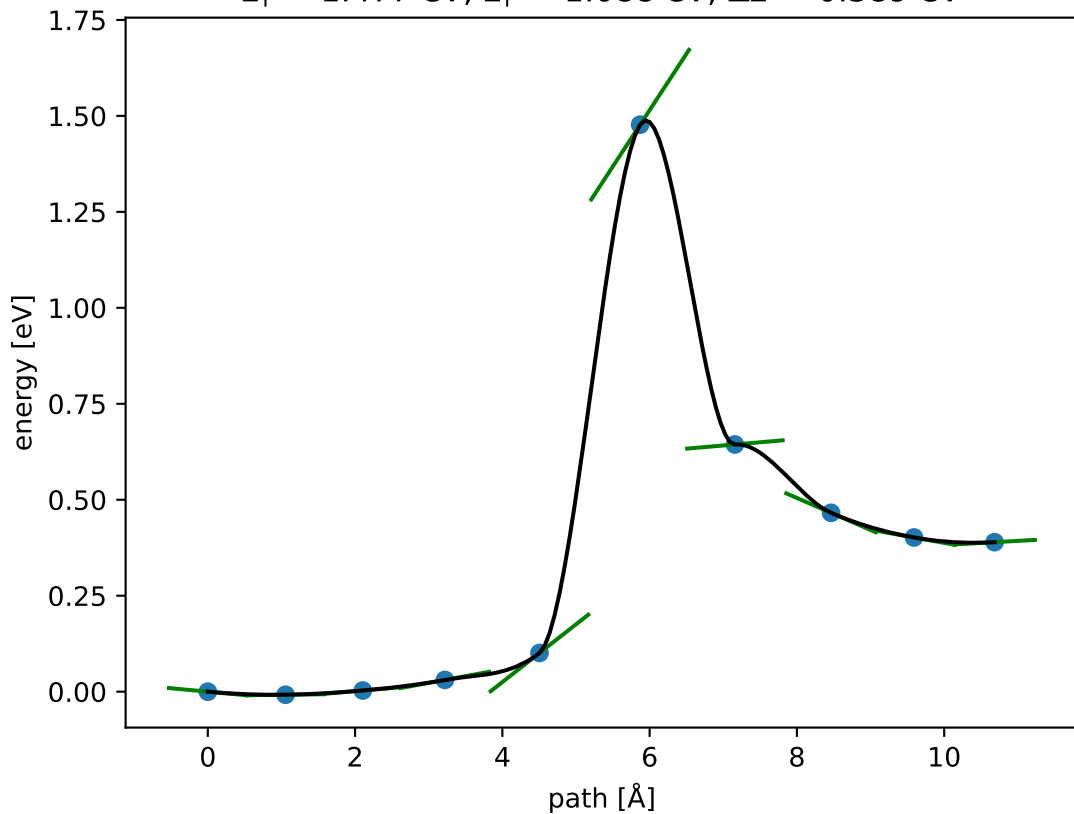




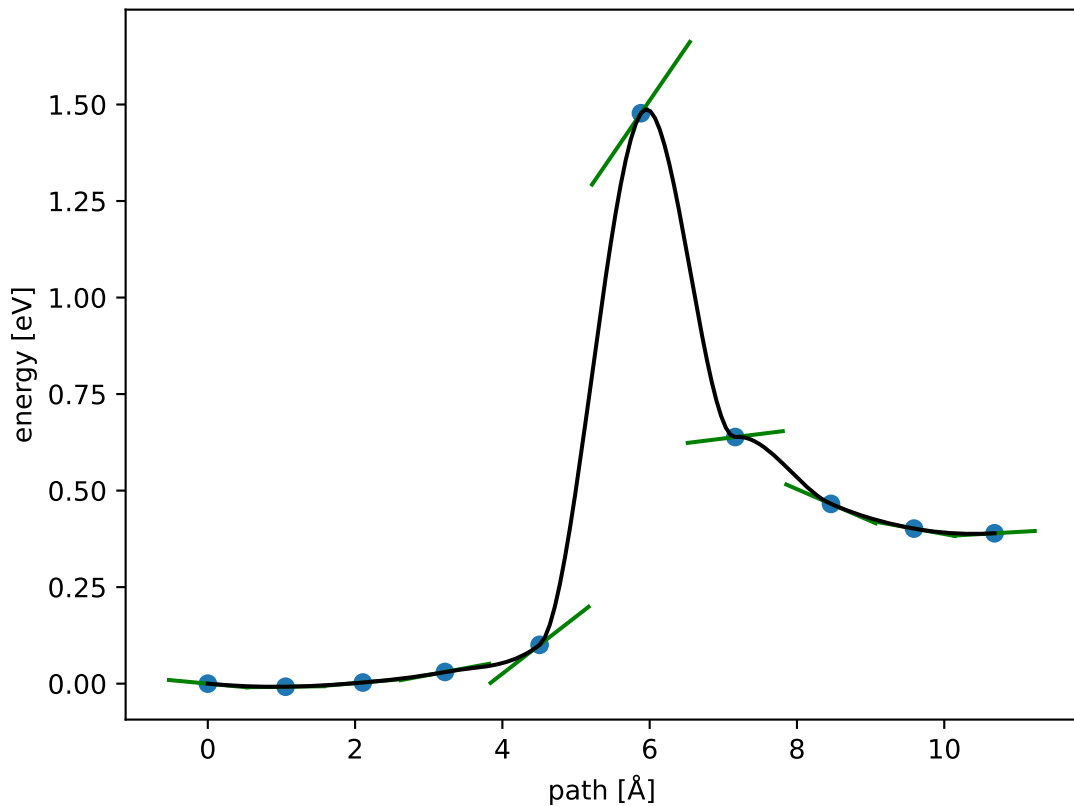
$$E_f \approx 1.477 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



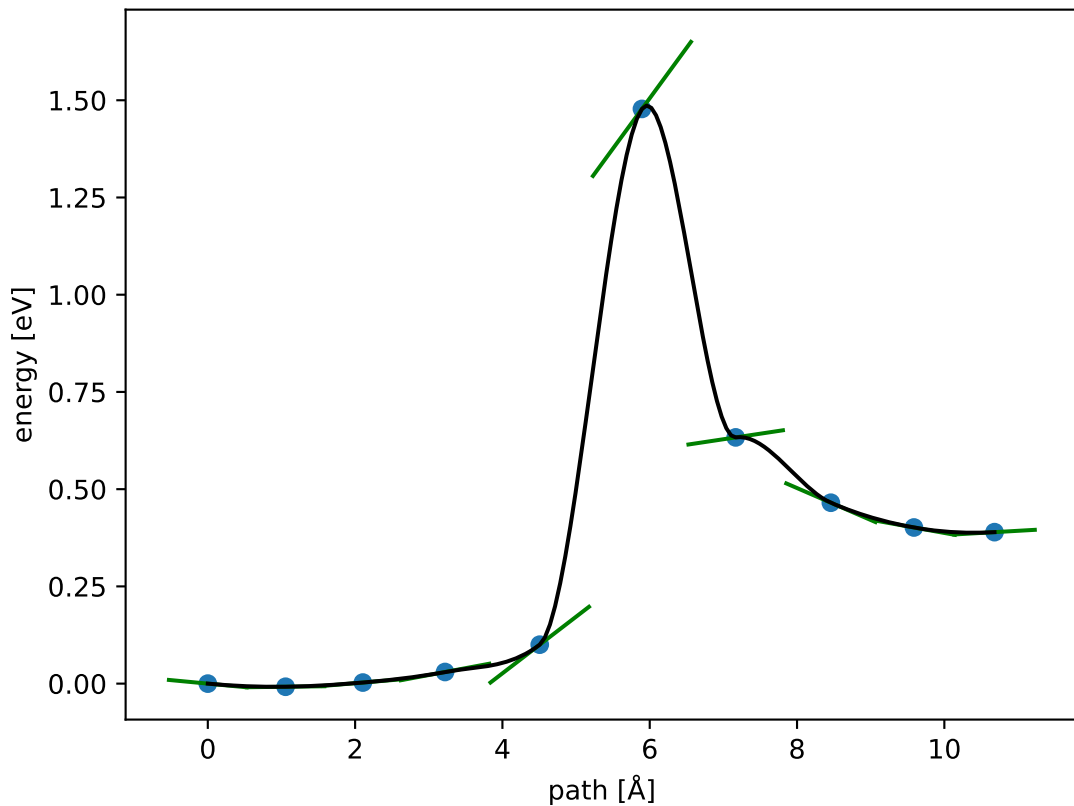
$$E_f \approx 1.477 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



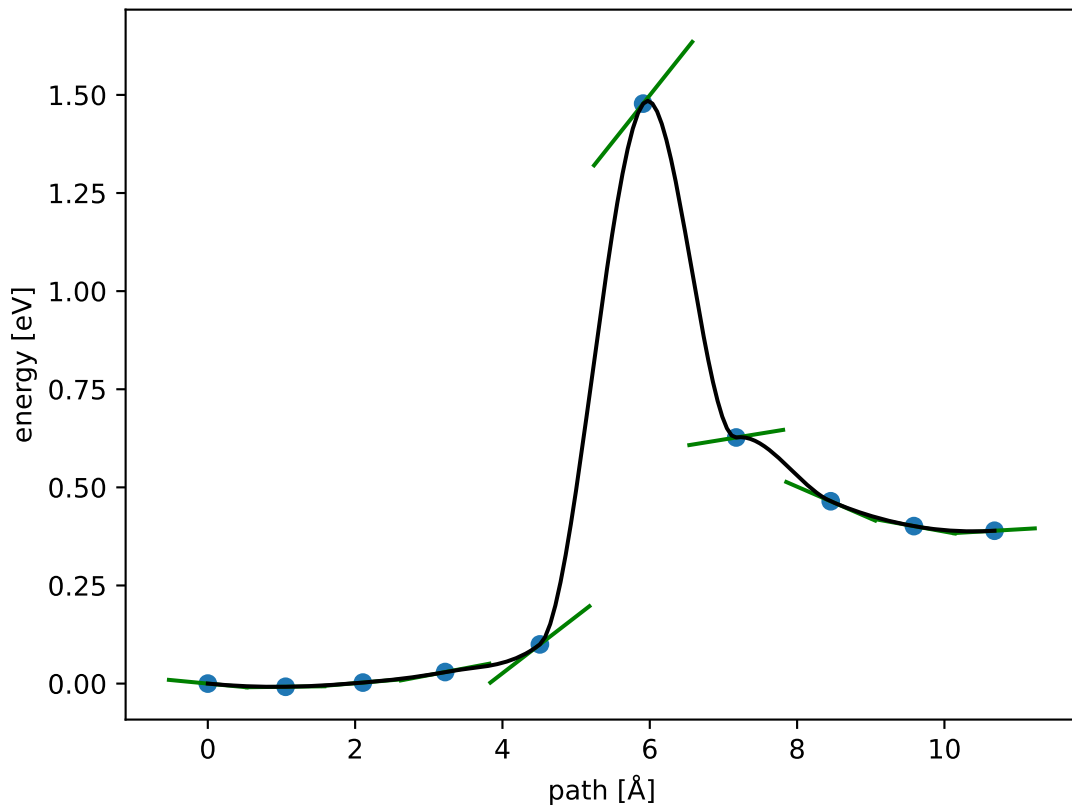
$$E_f \approx 1.477 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



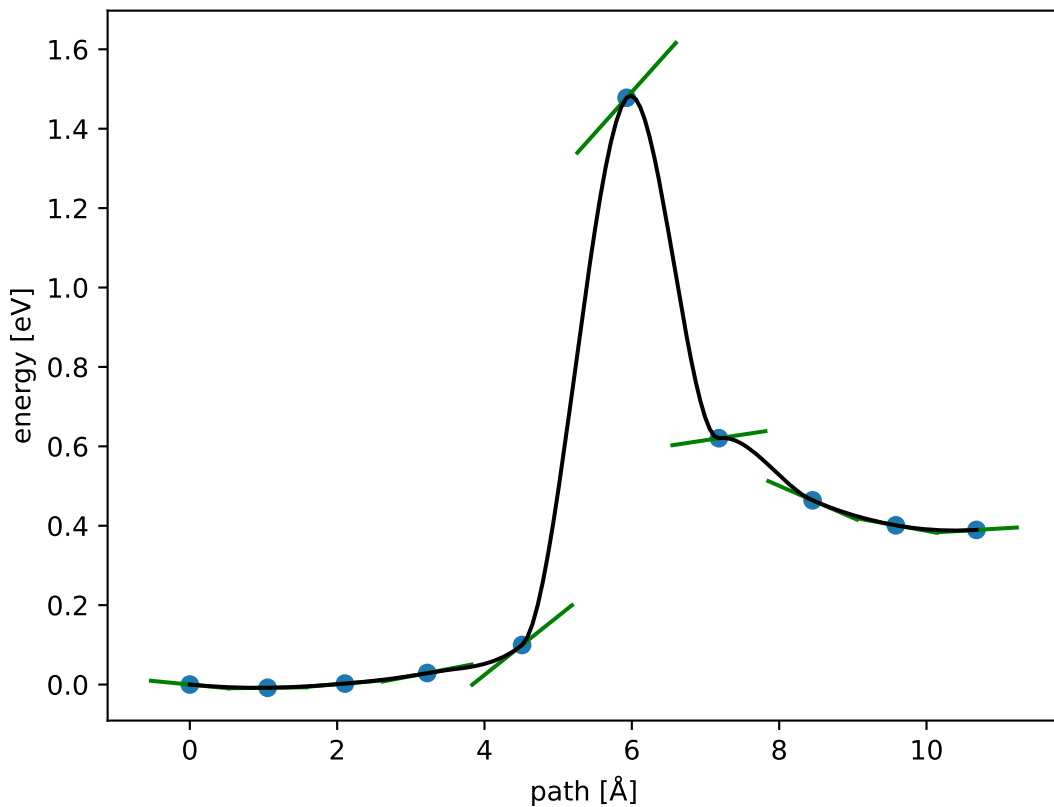
$$E_f \approx 1.478 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



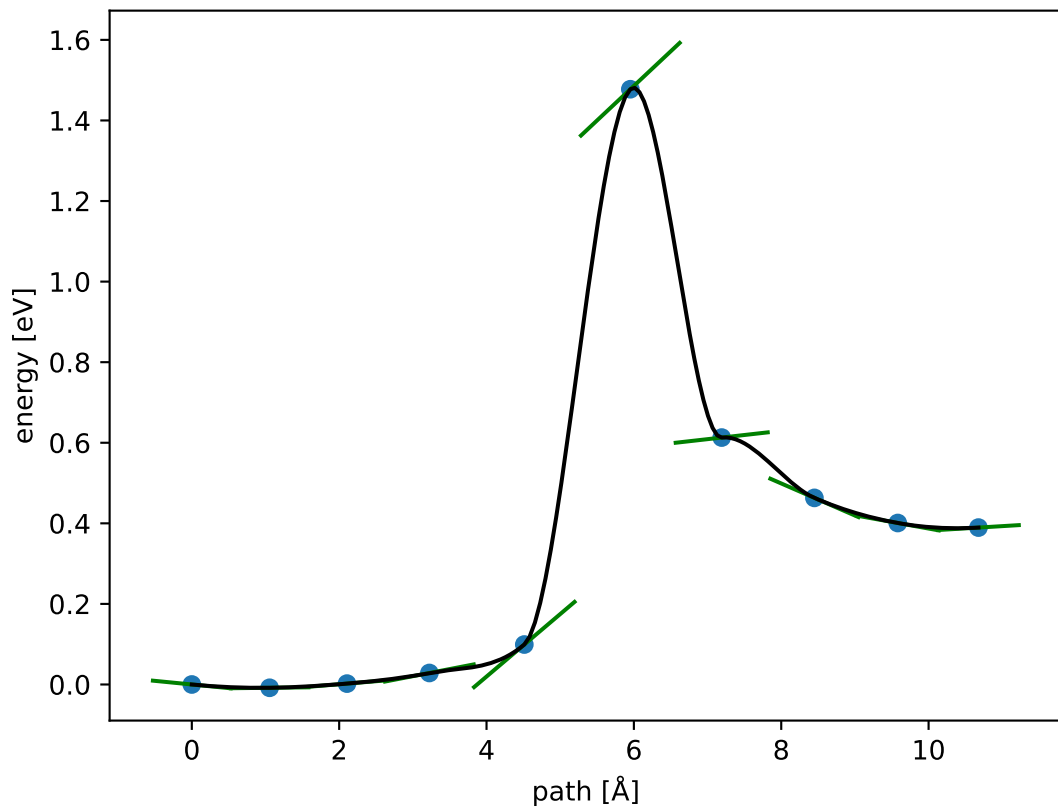
$$E_f \approx 1.478 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



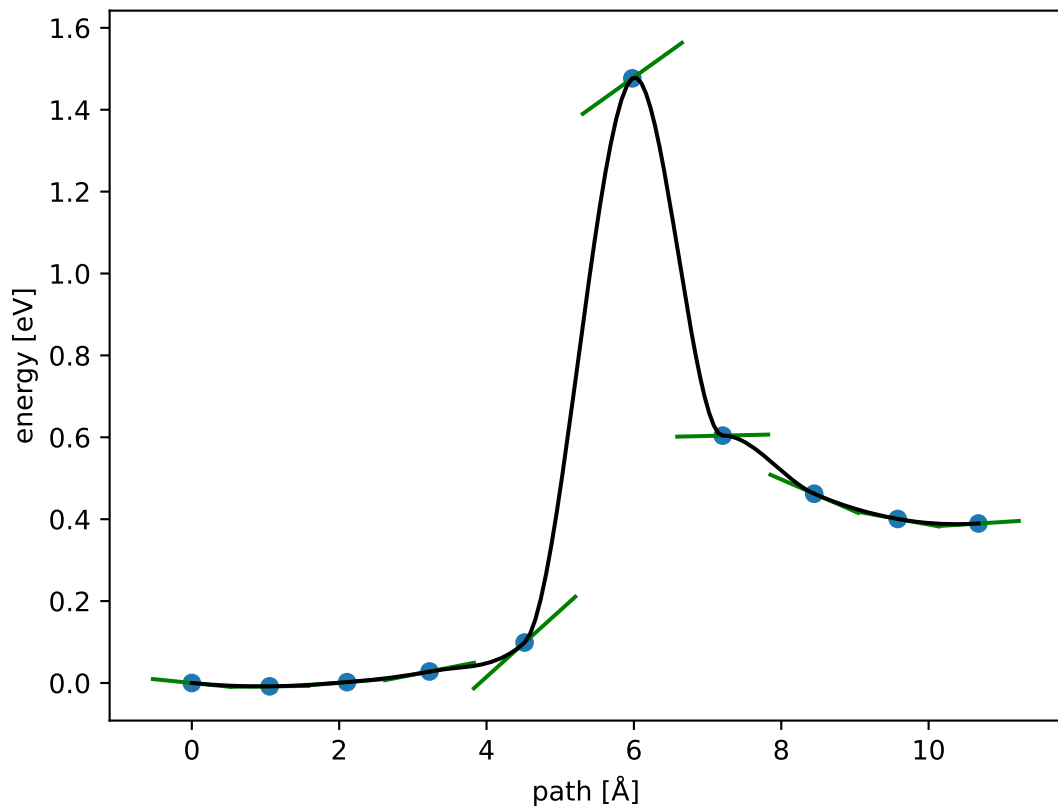
$$E_f \approx 1.478 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.478 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

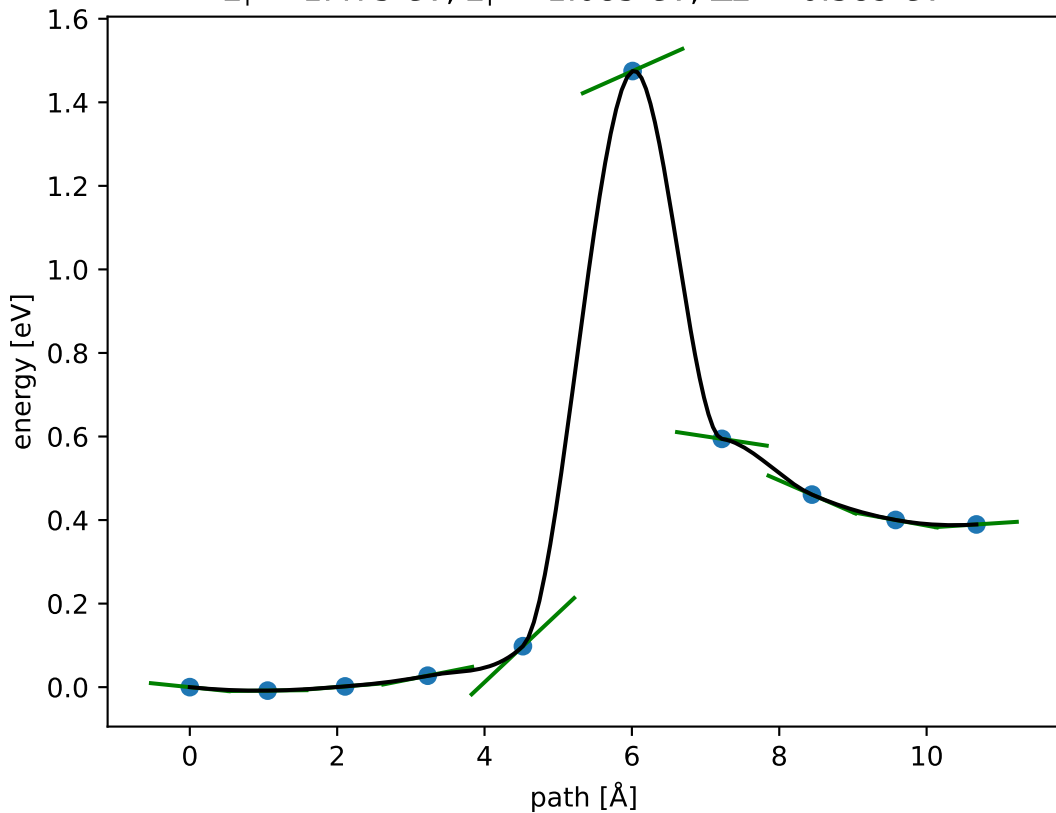


$$E_f \approx 1.477 \text{ eV}; E_r \approx 1.087 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

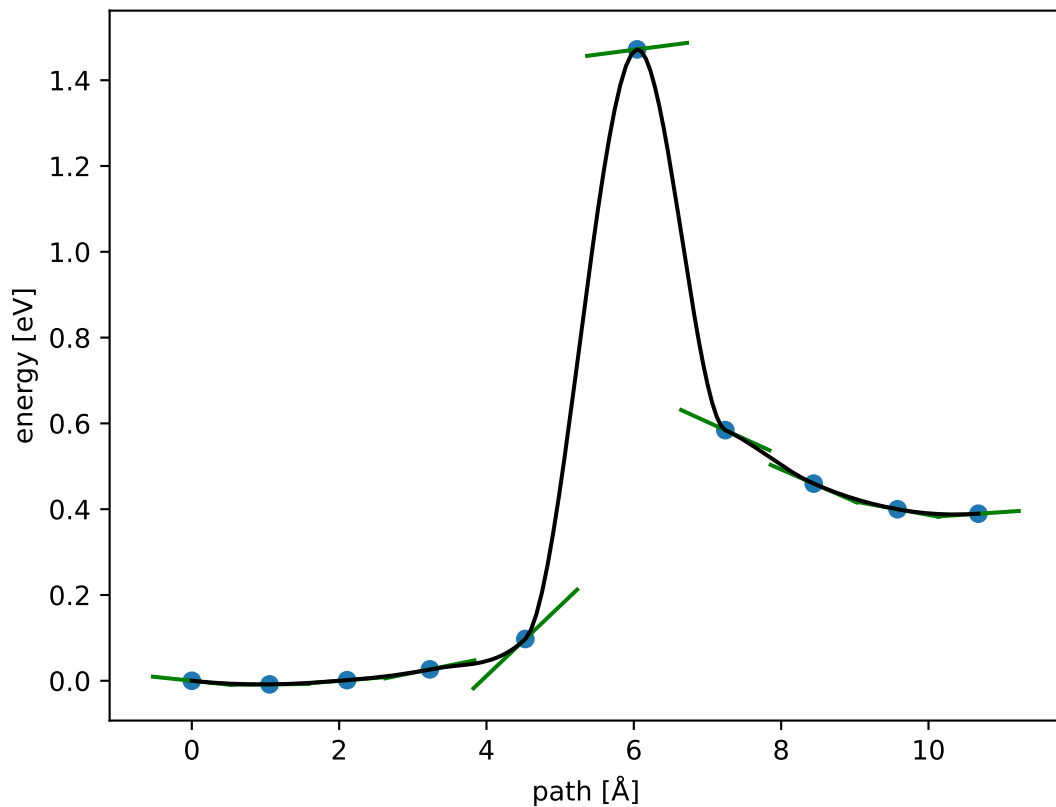




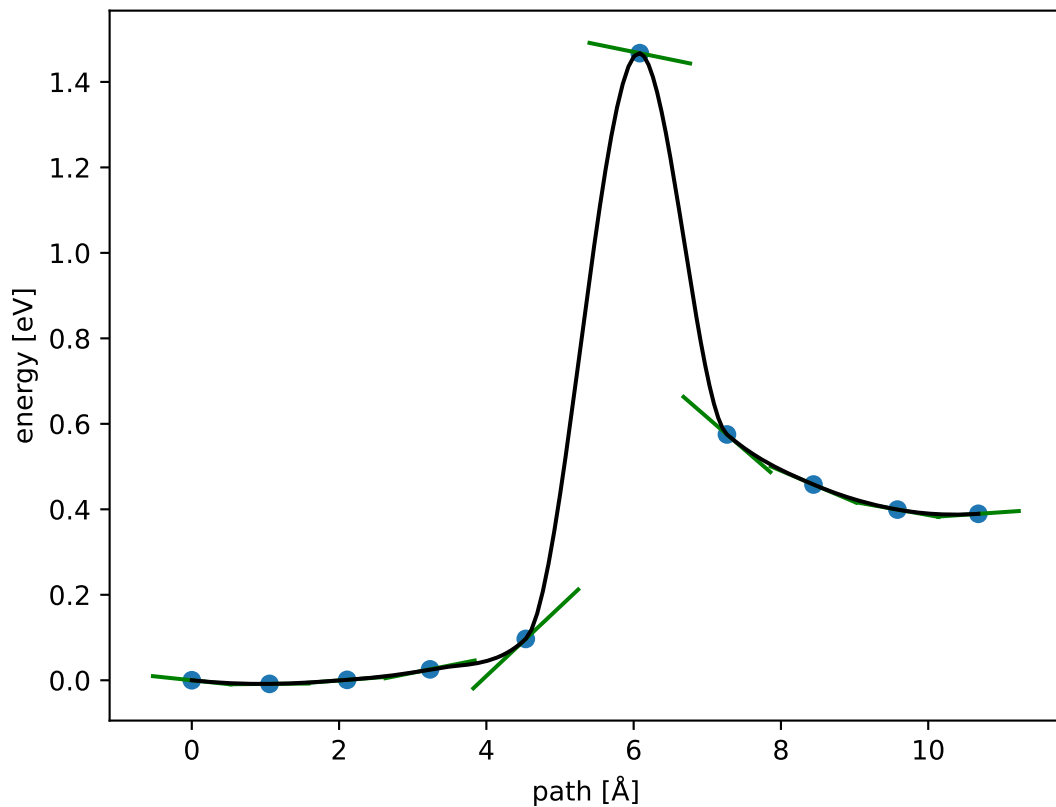
$$E_f \approx 1.475 \text{ eV}; E_r \approx 1.085 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



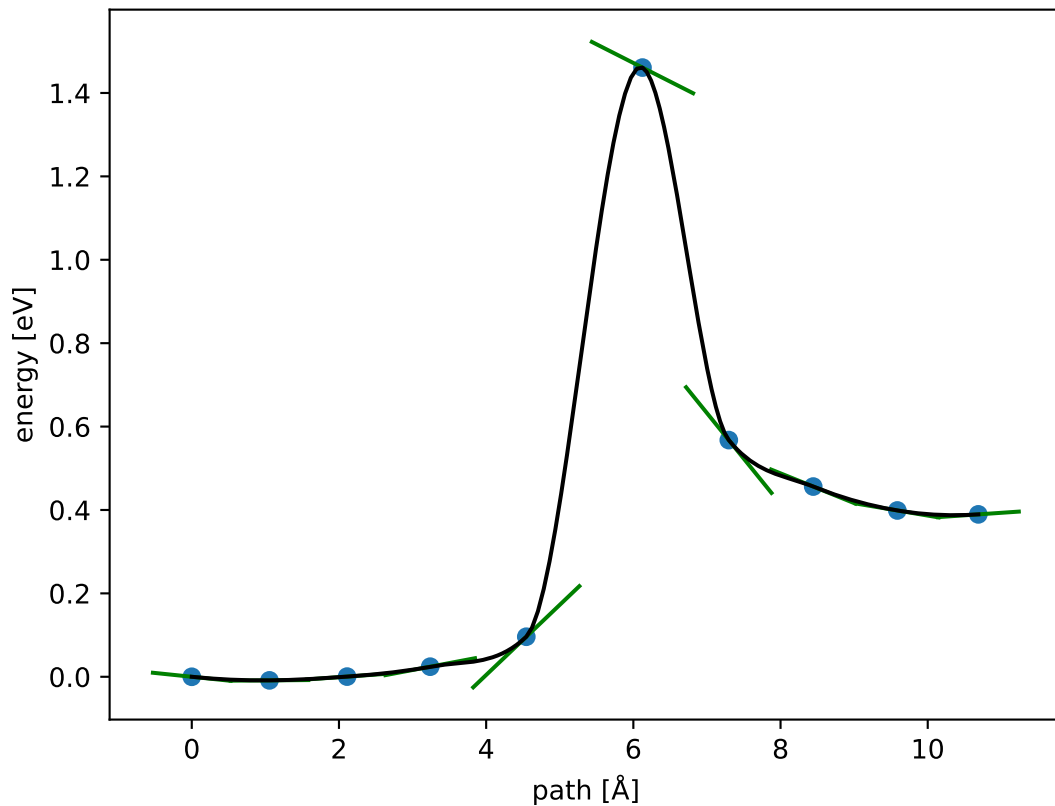
$$E_f \approx 1.472 \text{ eV}; E_r \approx 1.082 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



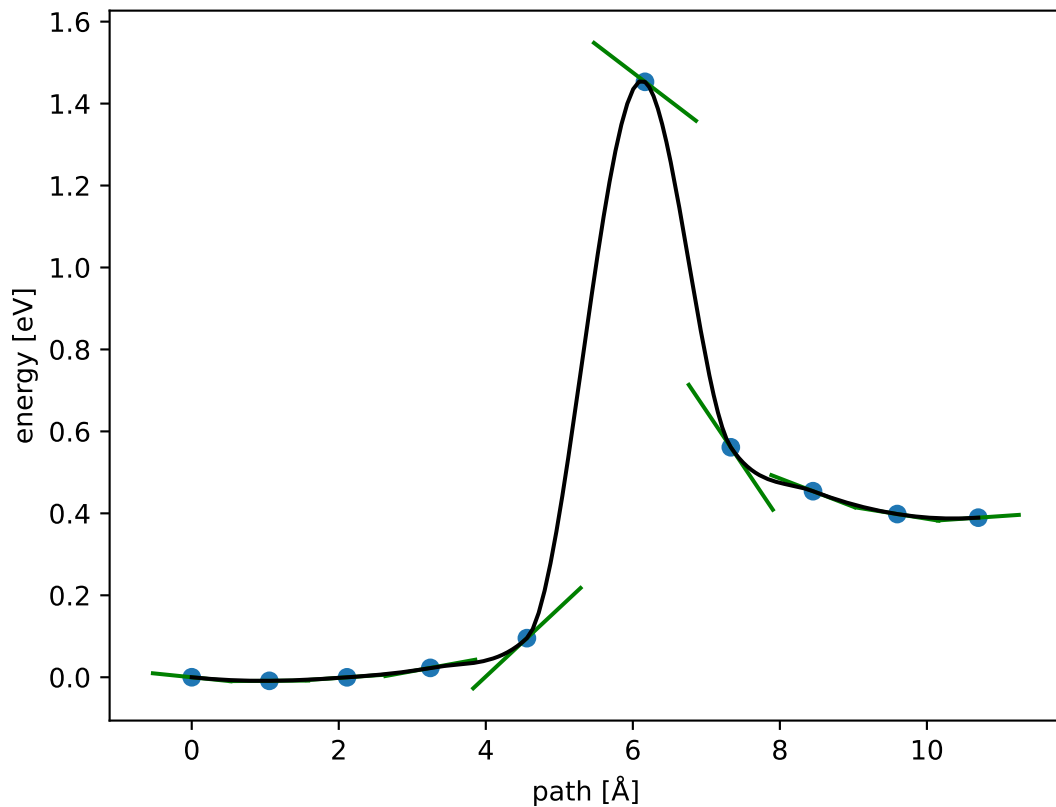
$$E_f \approx 1.467 \text{ eV}; E_r \approx 1.078 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



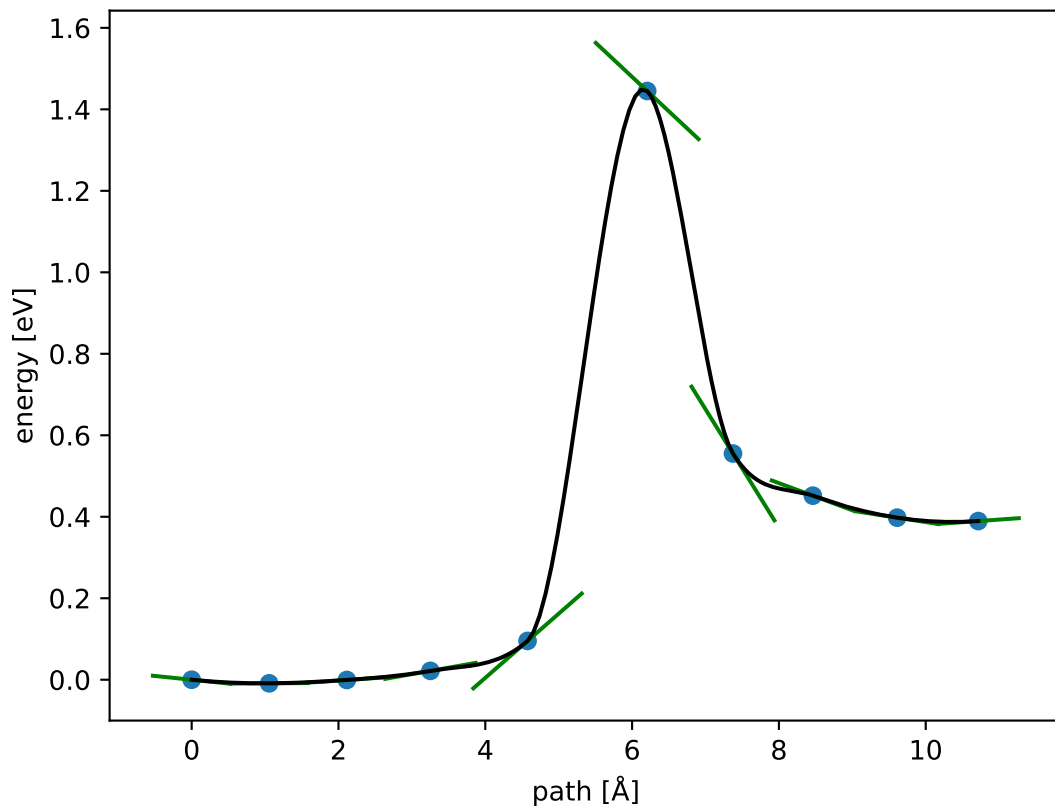
$$E_f \approx 1.461 \text{ eV}; E_r \approx 1.071 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



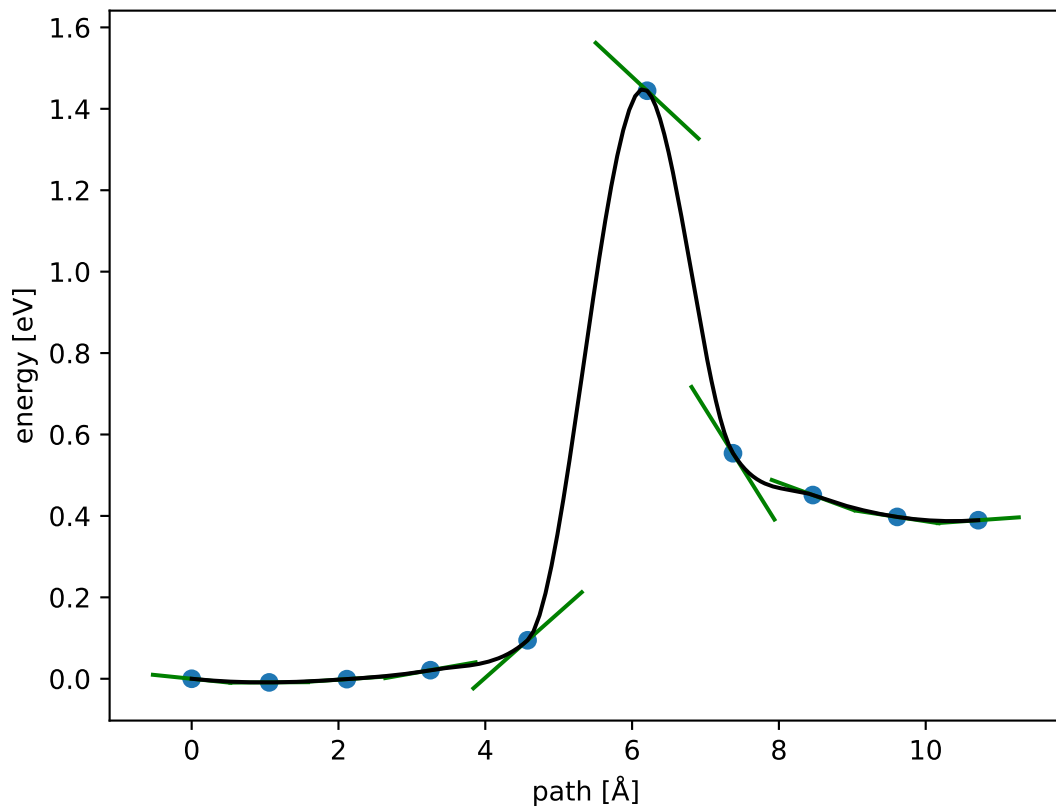
$$E_f \approx 1.453 \text{ eV}; E_r \approx 1.064 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



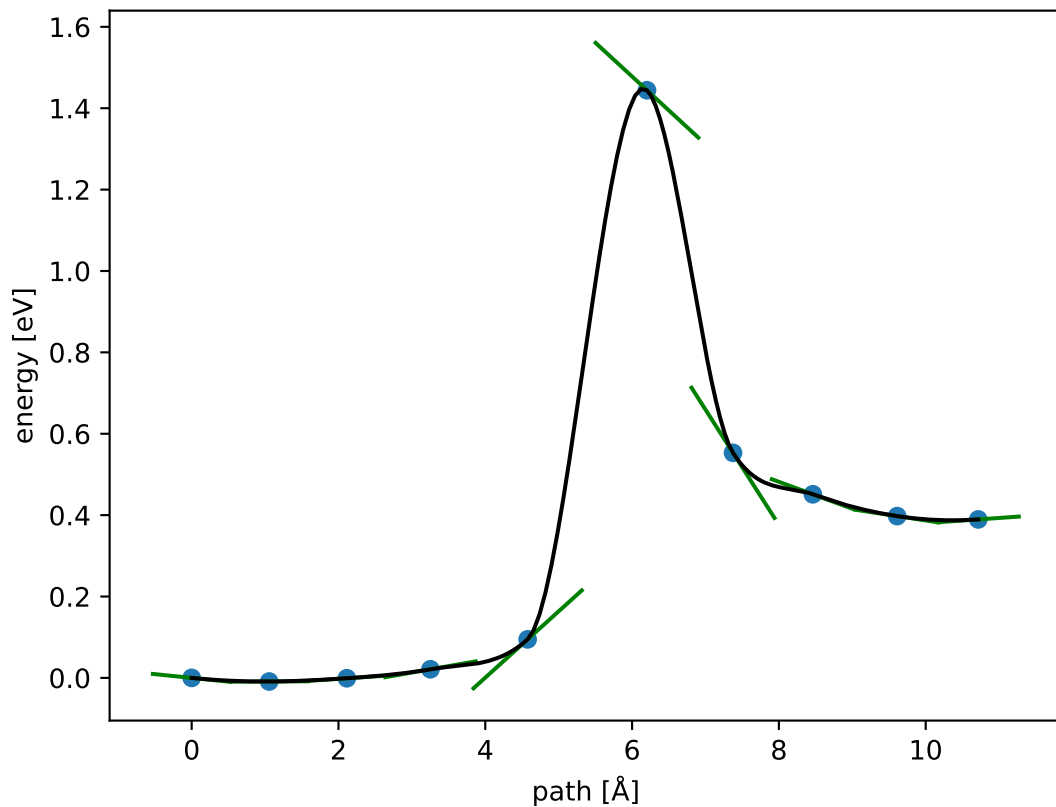
$$E_f \approx 1.445 \text{ eV}; E_r \approx 1.056 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.444 \text{ eV}; E_r \approx 1.055 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

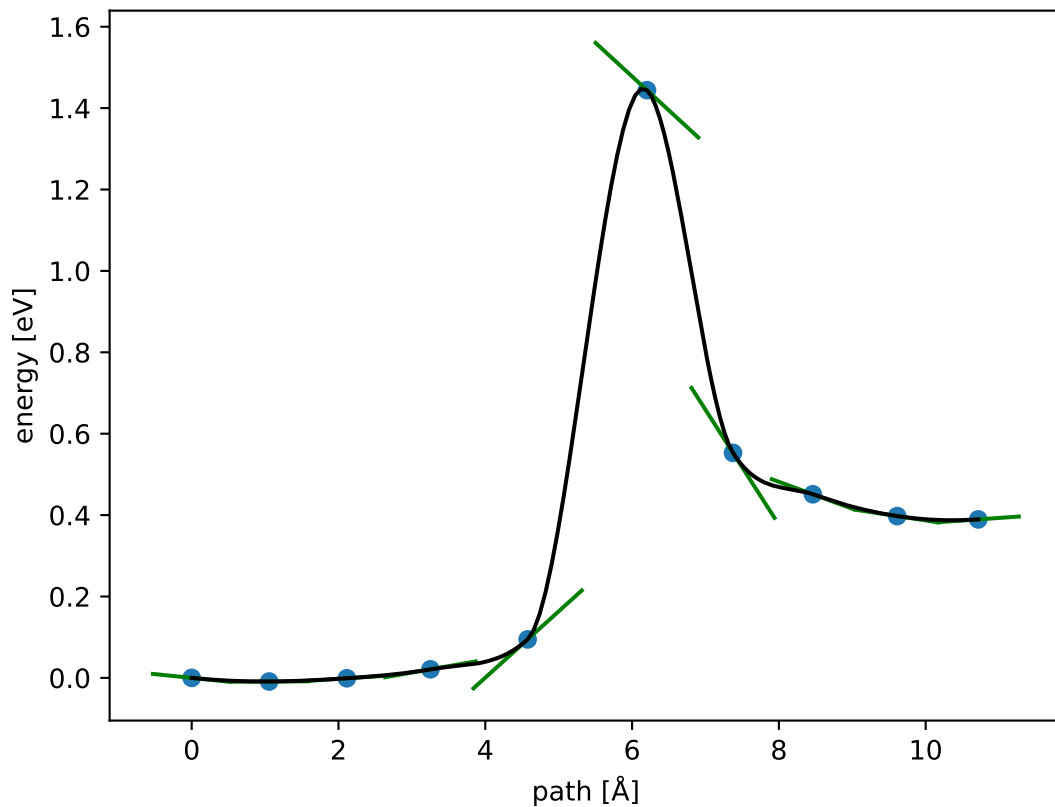


$$E_f \approx 1.444 \text{ eV}; E_r \approx 1.055 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

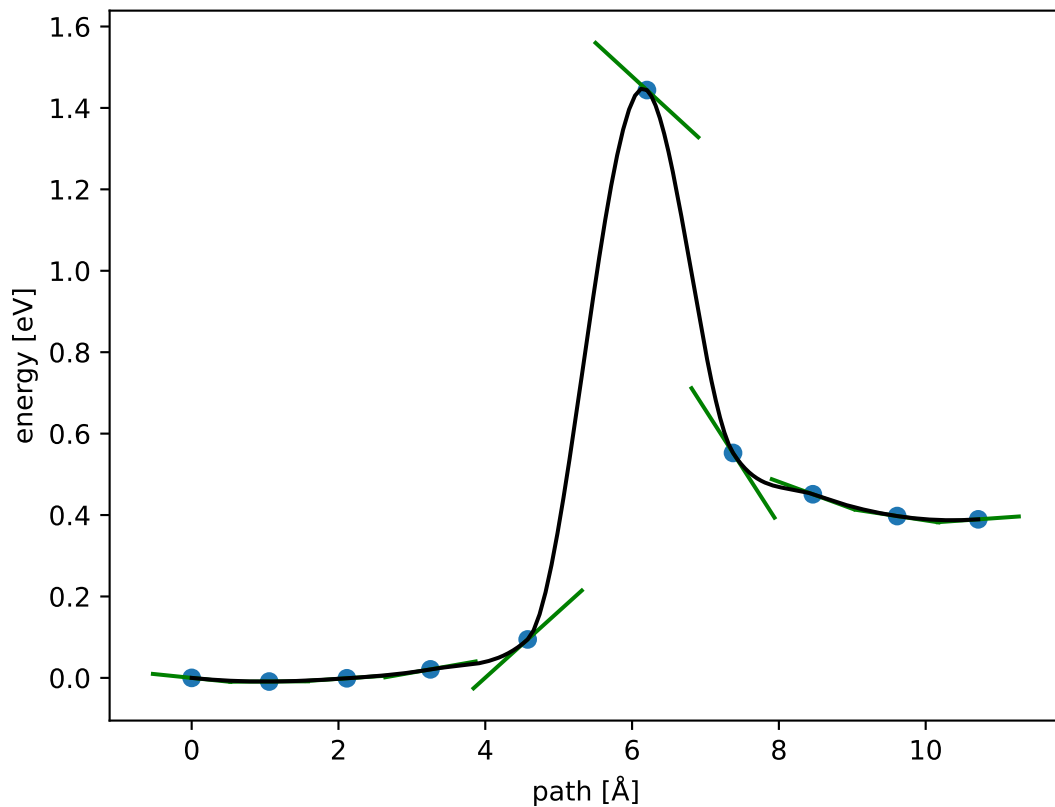




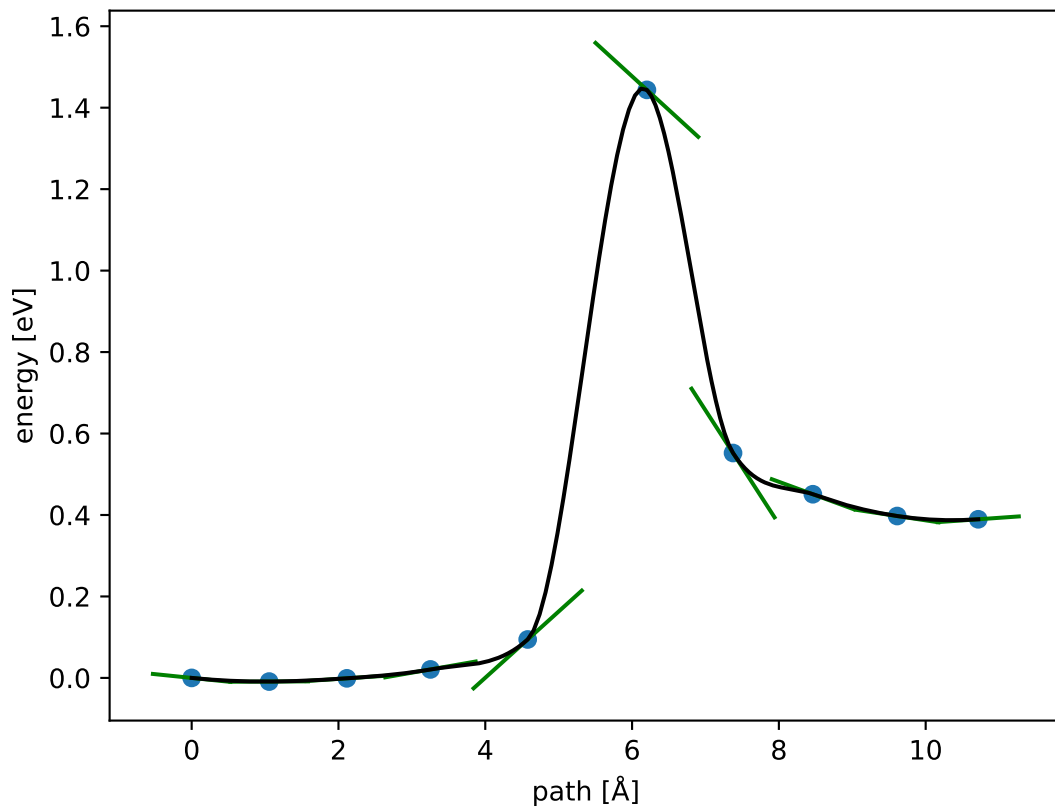
$$E_f \approx 1.444 \text{ eV}; E_r \approx 1.055 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



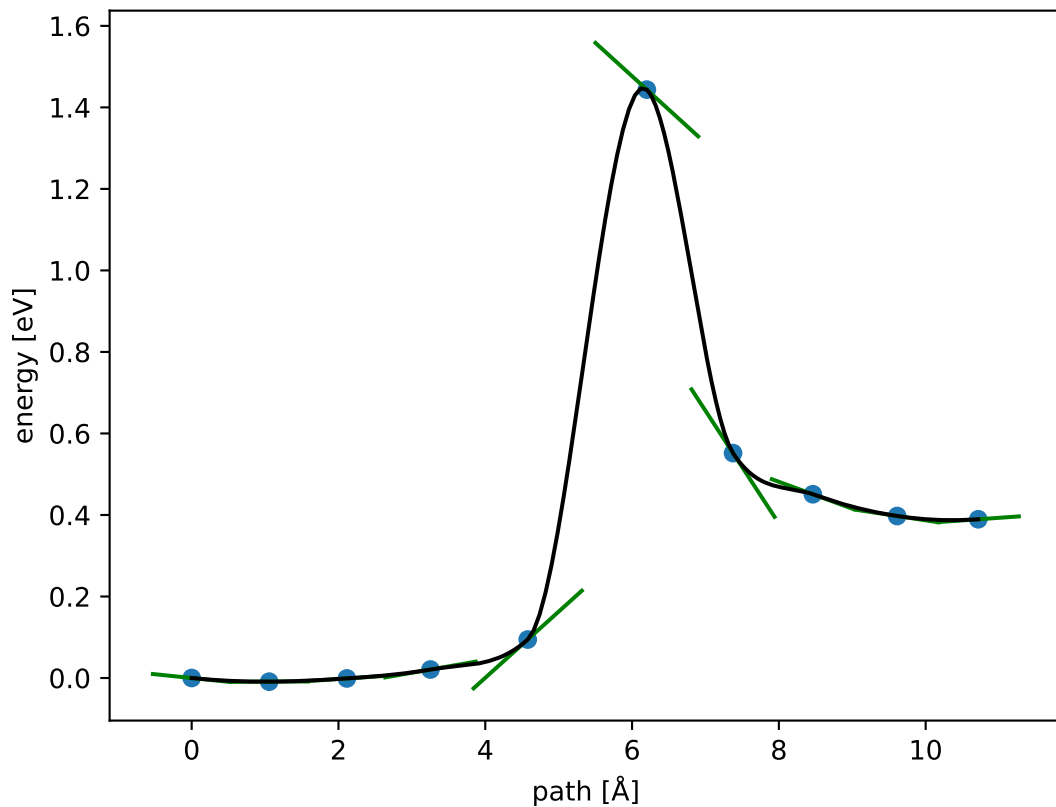
$$E_f \approx 1.444 \text{ eV}; E_r \approx 1.054 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



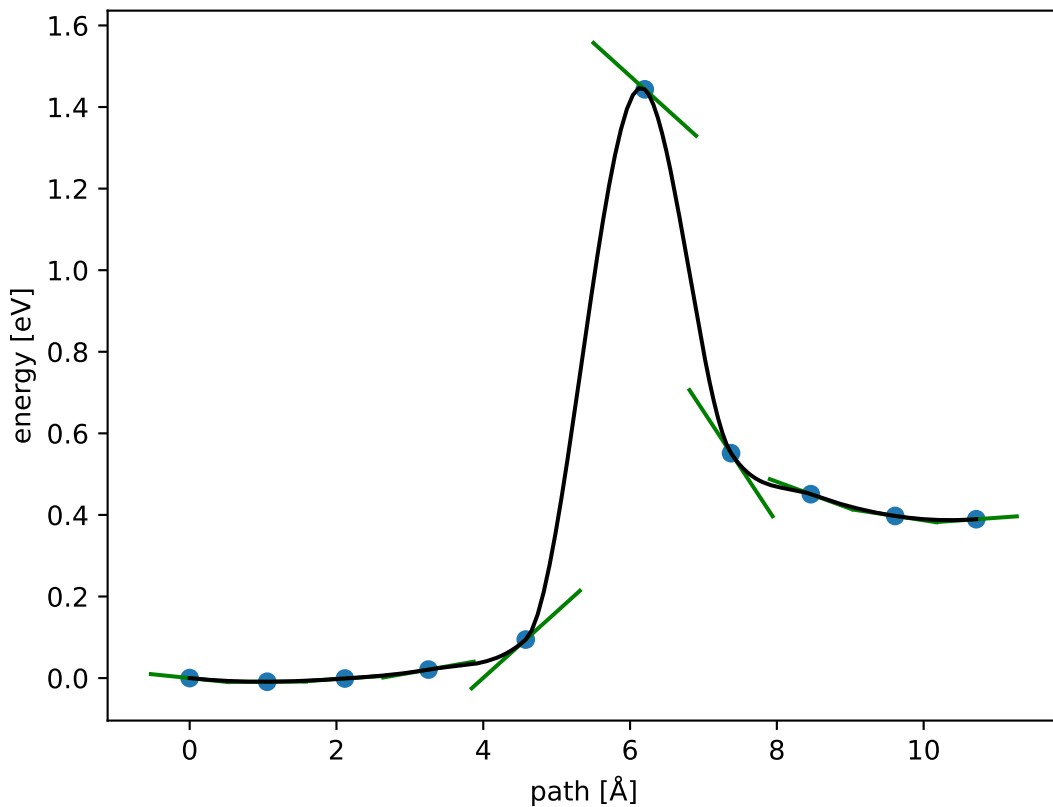
$$E_f \approx 1.444 \text{ eV}; E_r \approx 1.054 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



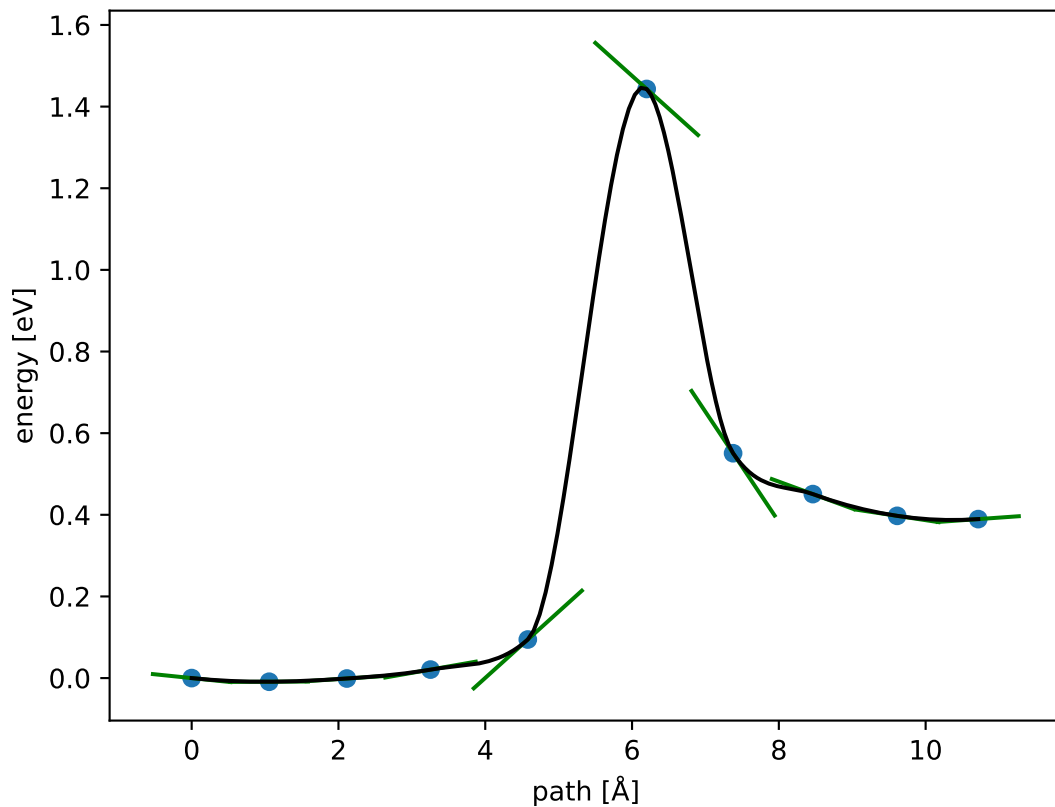
$$E_f \approx 1.444 \text{ eV}; E_r \approx 1.054 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



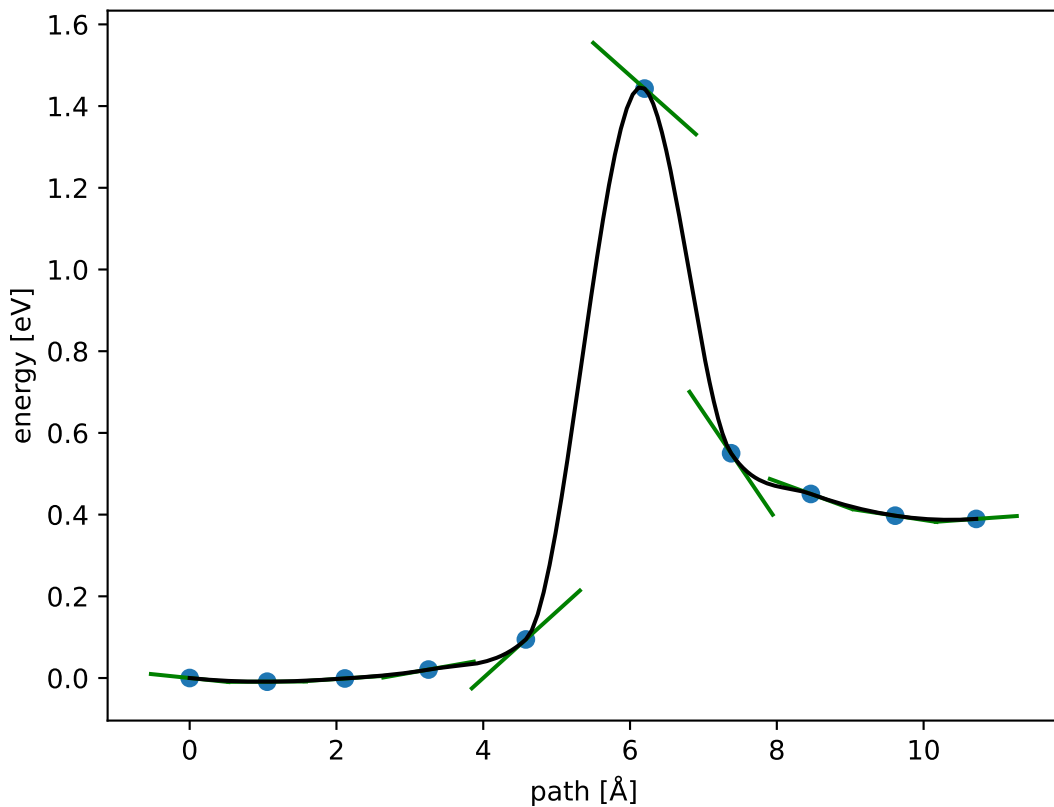
$$E_f \approx 1.443 \text{ eV}; E_r \approx 1.054 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



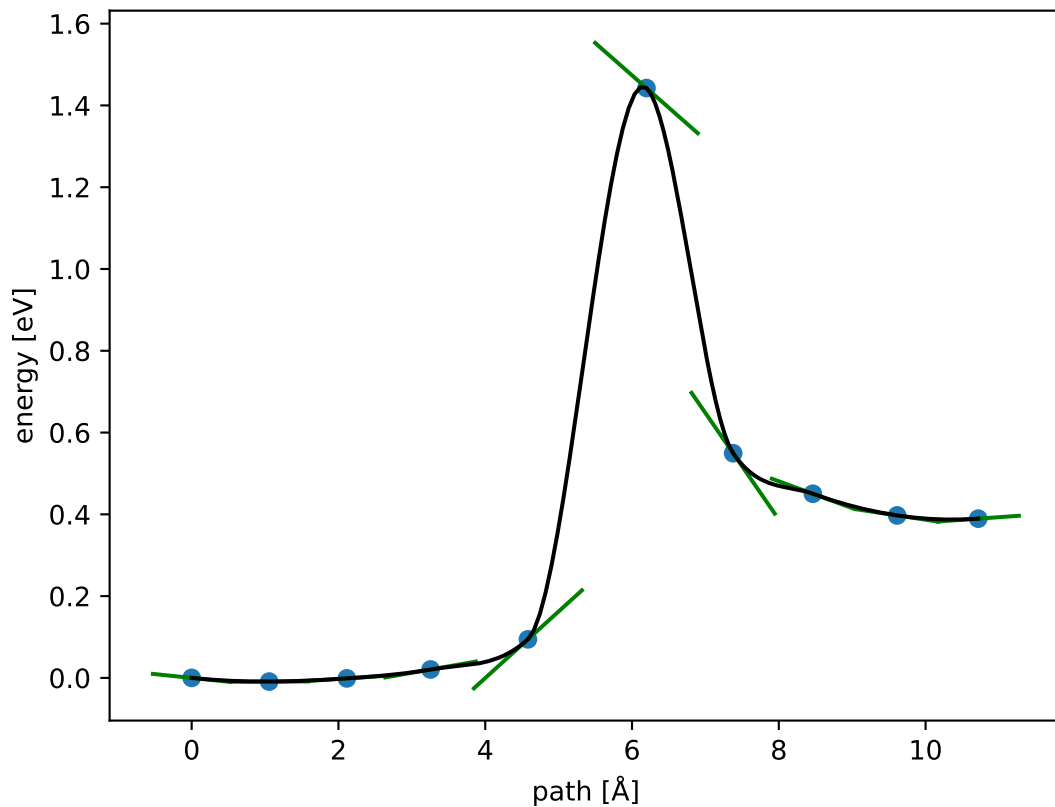
$$E_f \approx 1.443 \text{ eV}; E_r \approx 1.054 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.443 \text{ eV}; E_r \approx 1.053 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

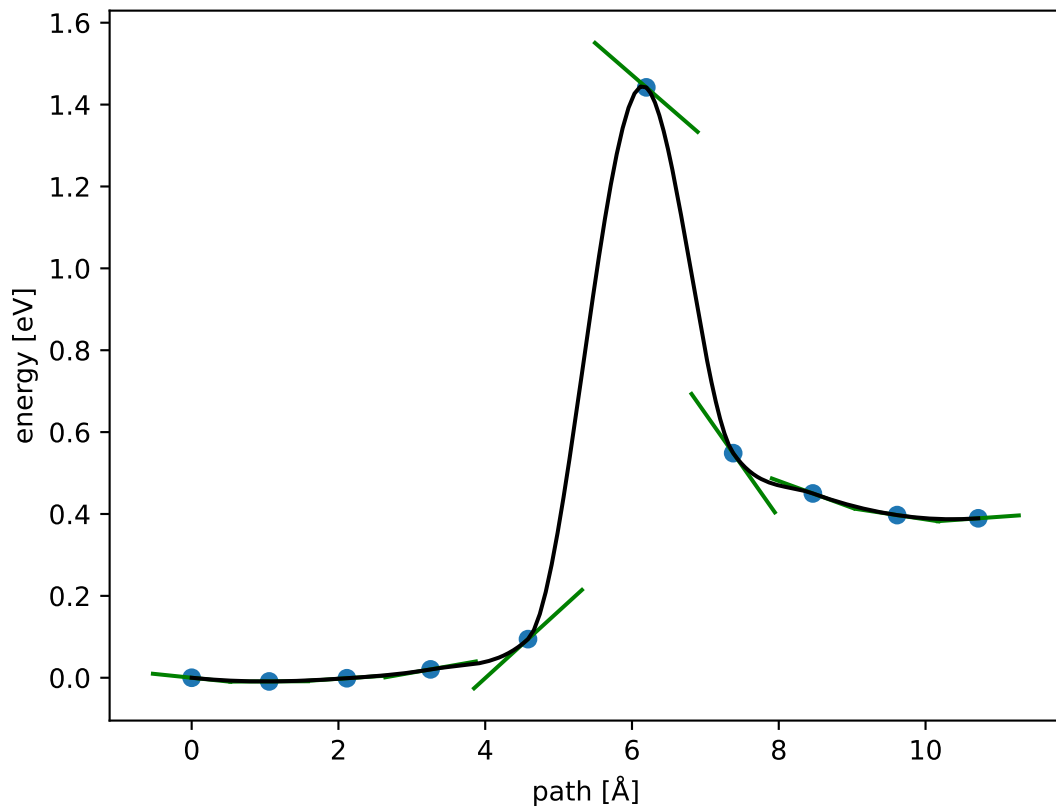


$$E_f \approx 1.442 \text{ eV}; E_r \approx 1.053 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

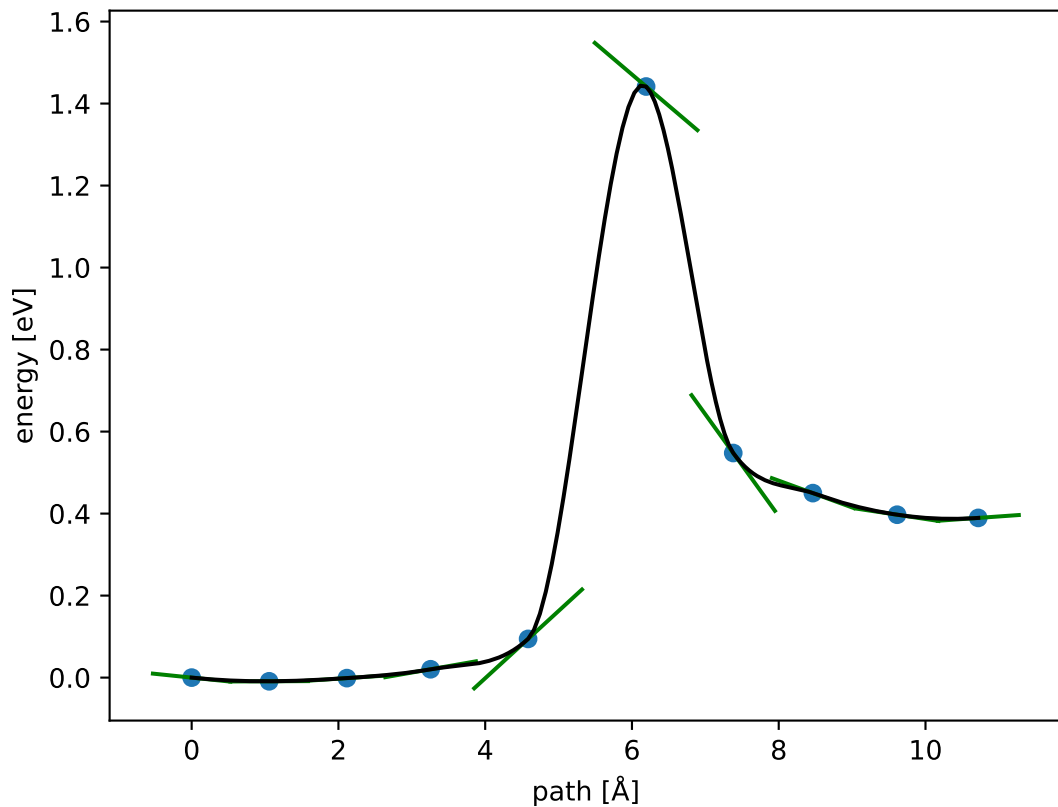




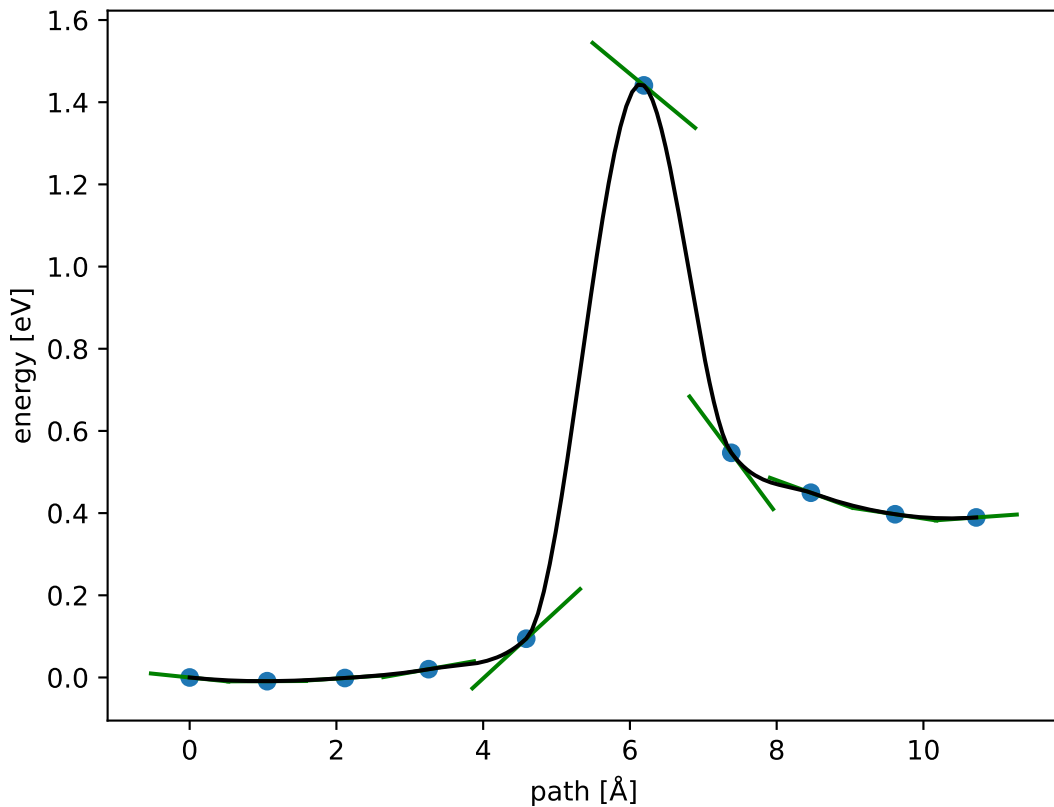
$$E_f \approx 1.442 \text{ eV}; E_r \approx 1.053 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



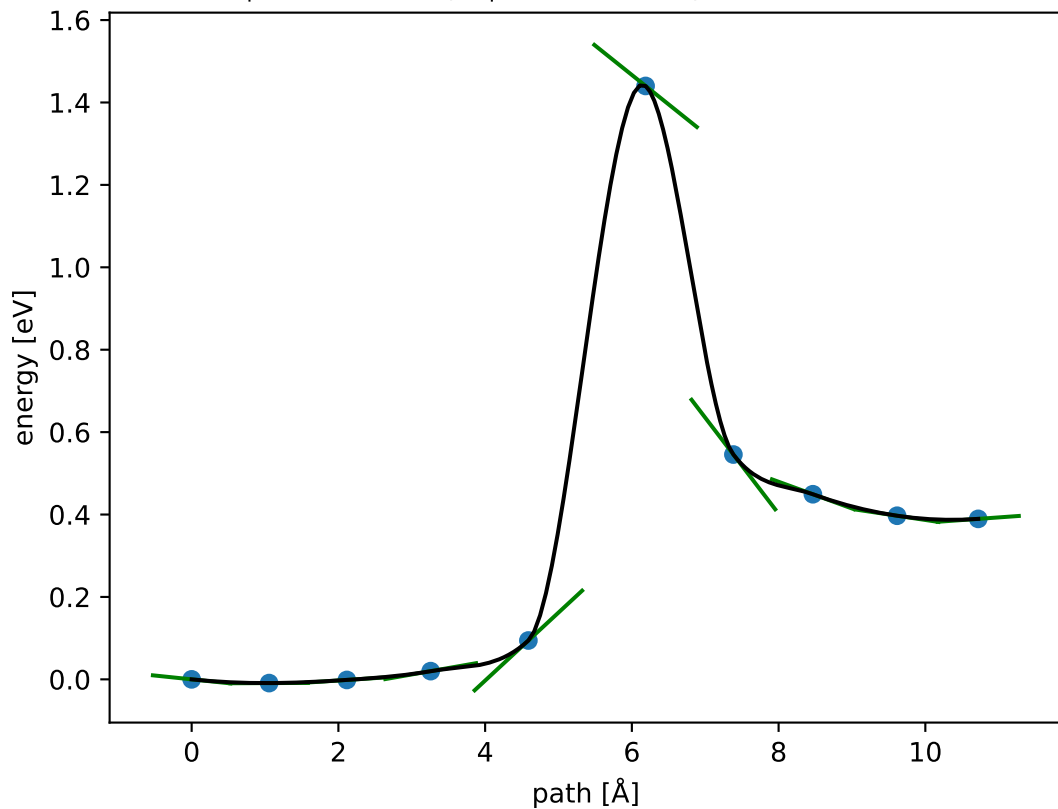
$$E_f \approx 1.442 \text{ eV}; E_r \approx 1.052 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



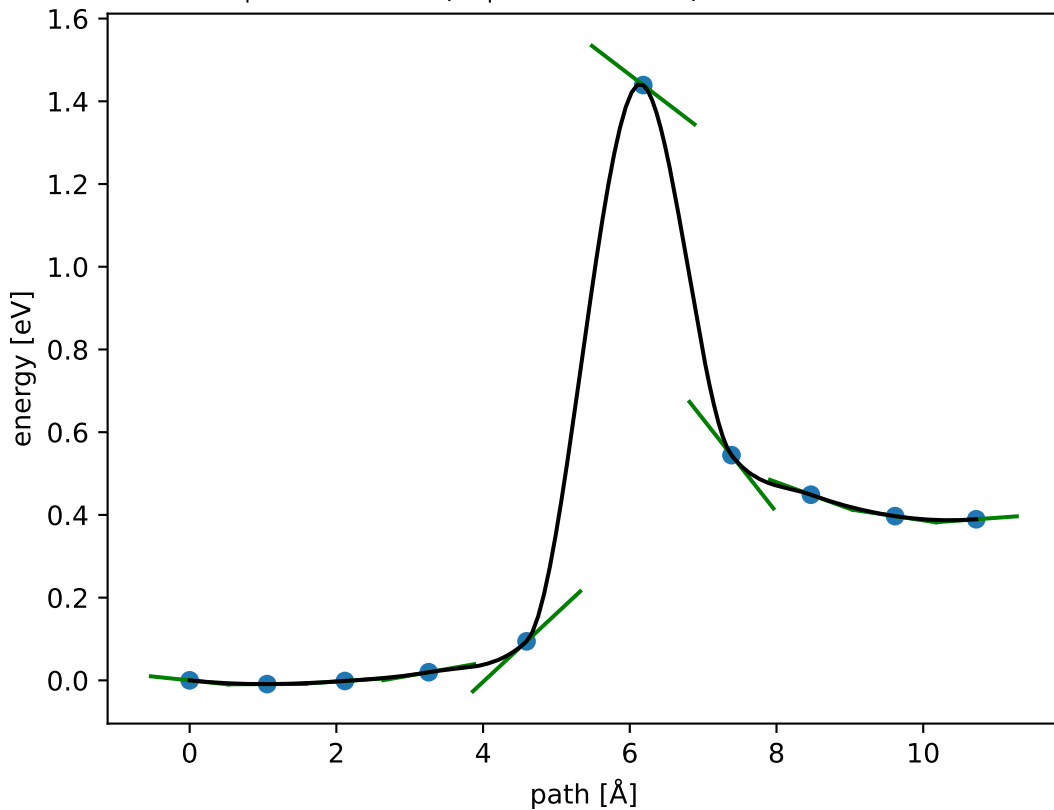
$$E_f \approx 1.441 \text{ eV}; E_r \approx 1.051 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



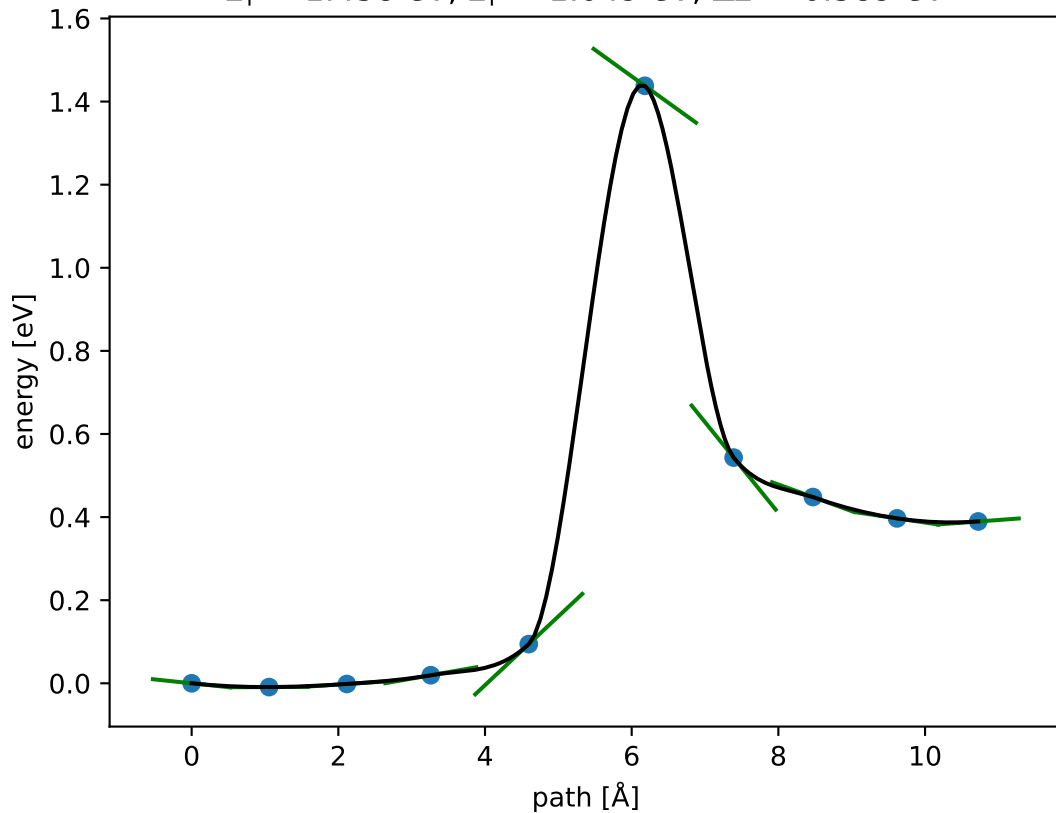
$$E_f \approx 1.440 \text{ eV}; E_r \approx 1.051 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



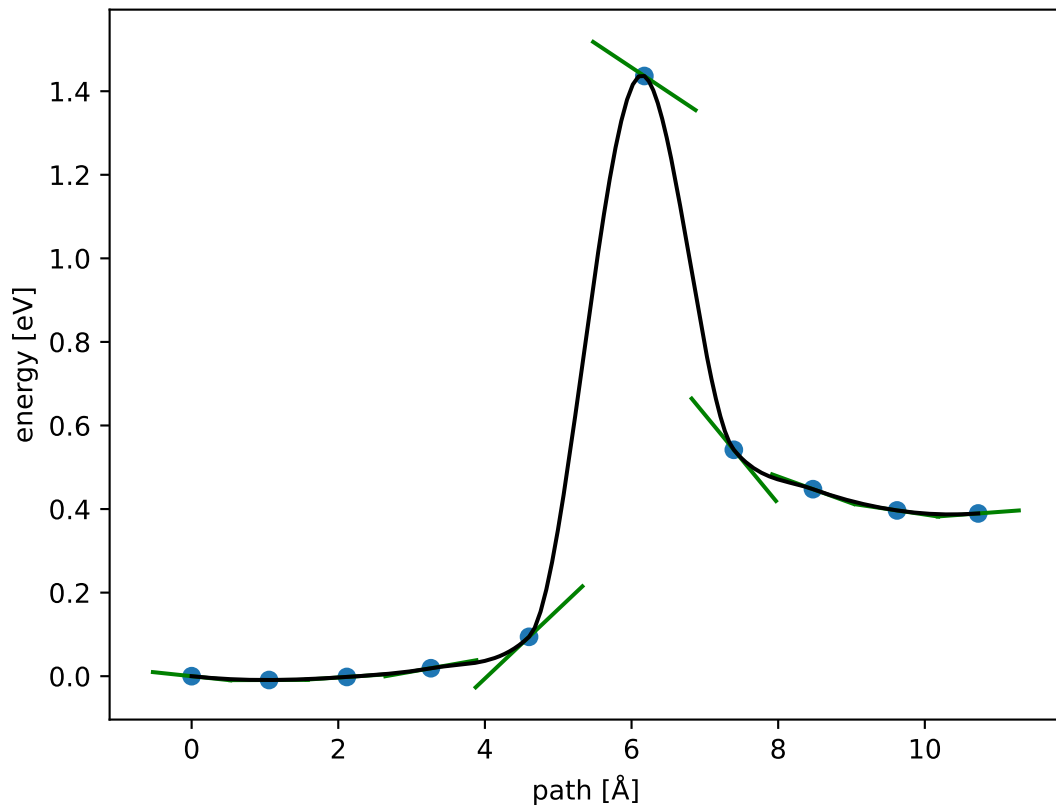
$$E_f \approx 1.439 \text{ eV}; E_r \approx 1.050 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



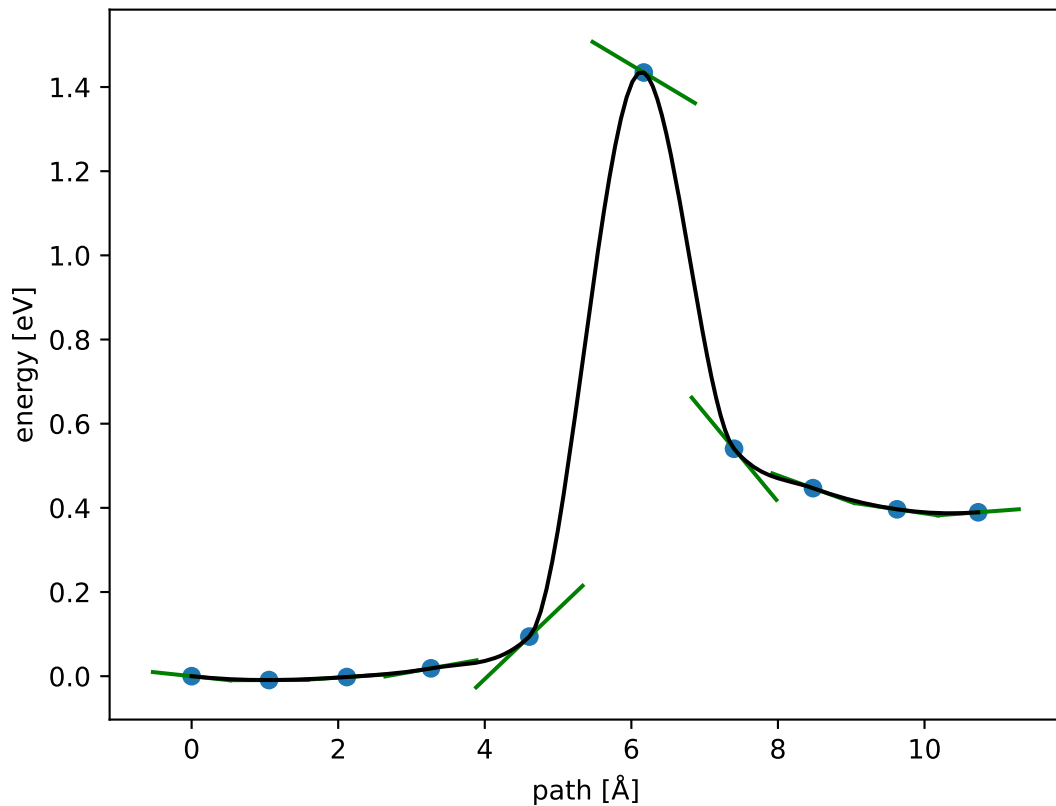
$$E_f \approx 1.438 \text{ eV}; E_r \approx 1.049 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.436 \text{ eV}; E_r \approx 1.047 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

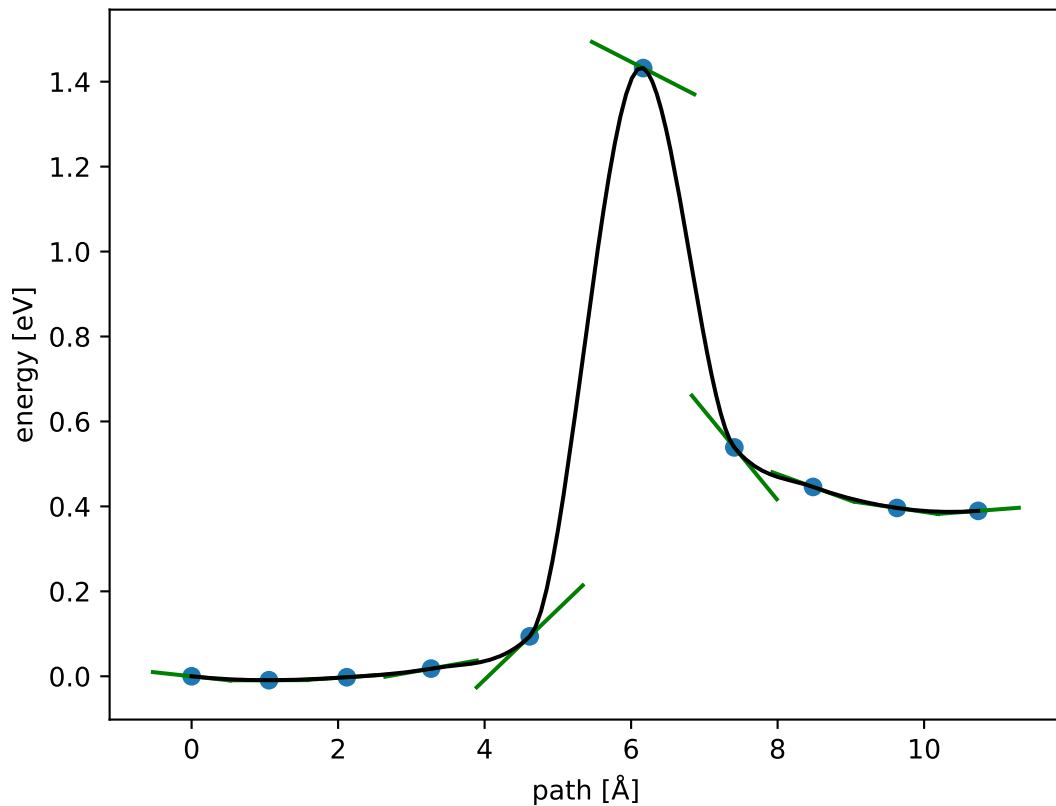


$$E_f \approx 1.435 \text{ eV}; E_r \approx 1.045 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

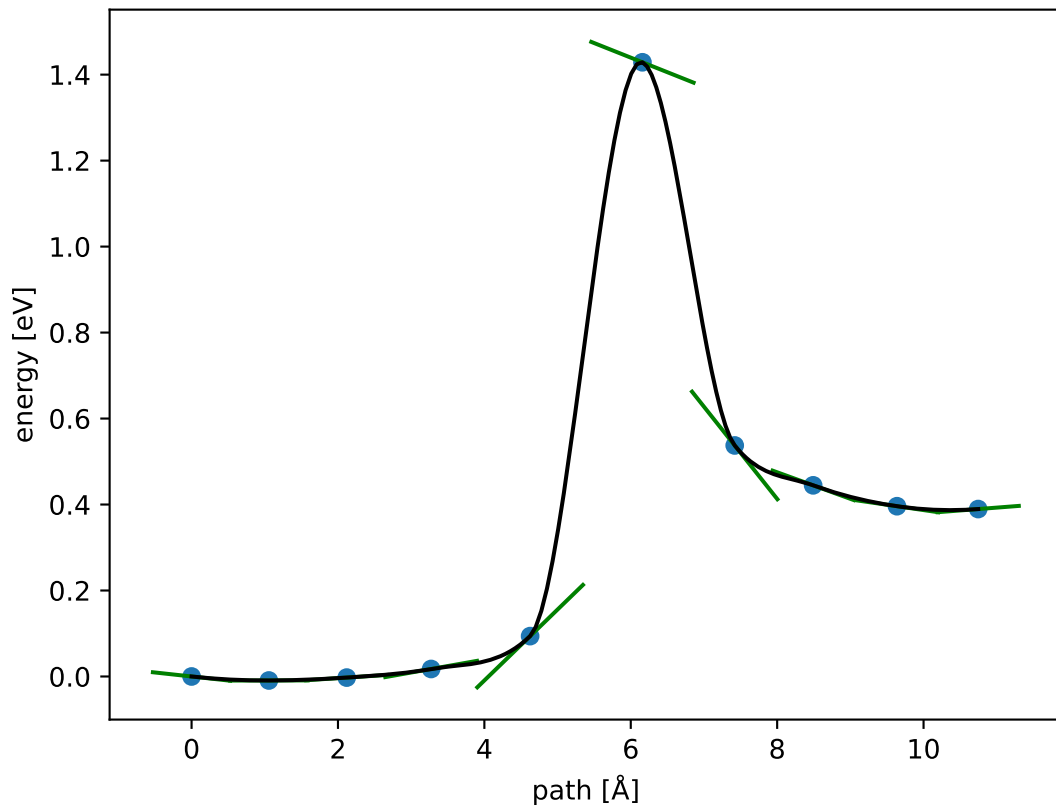




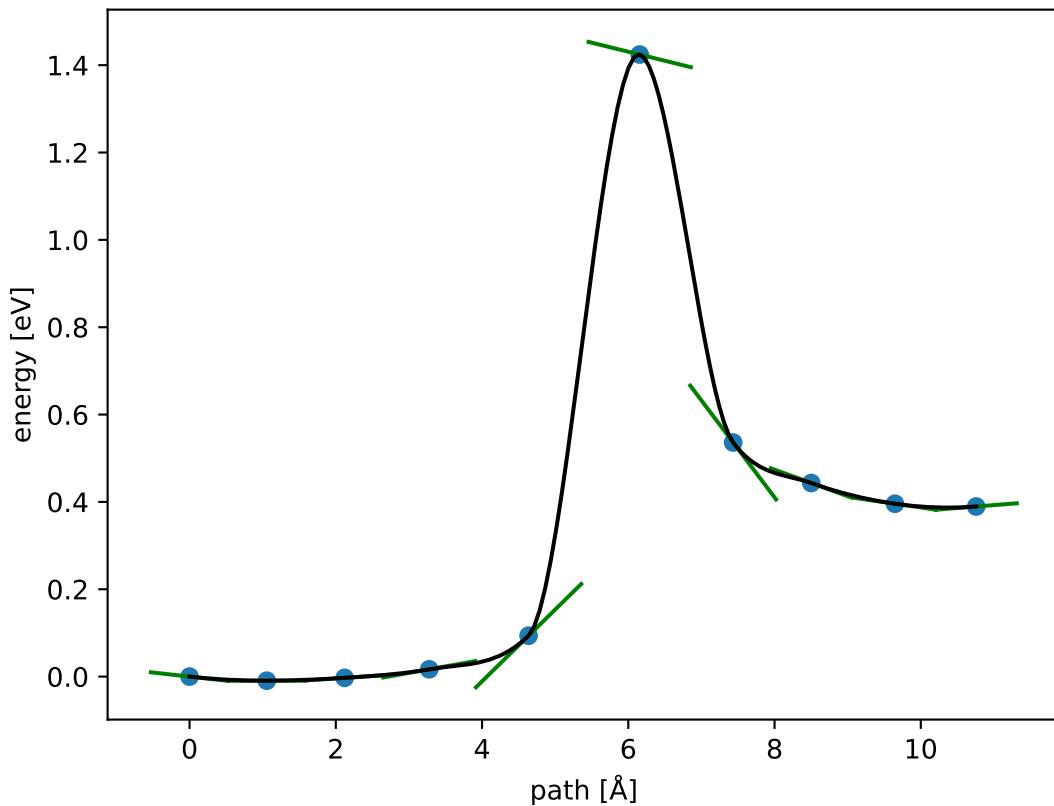
$$E_f \approx 1.432 \text{ eV}; E_r \approx 1.043 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



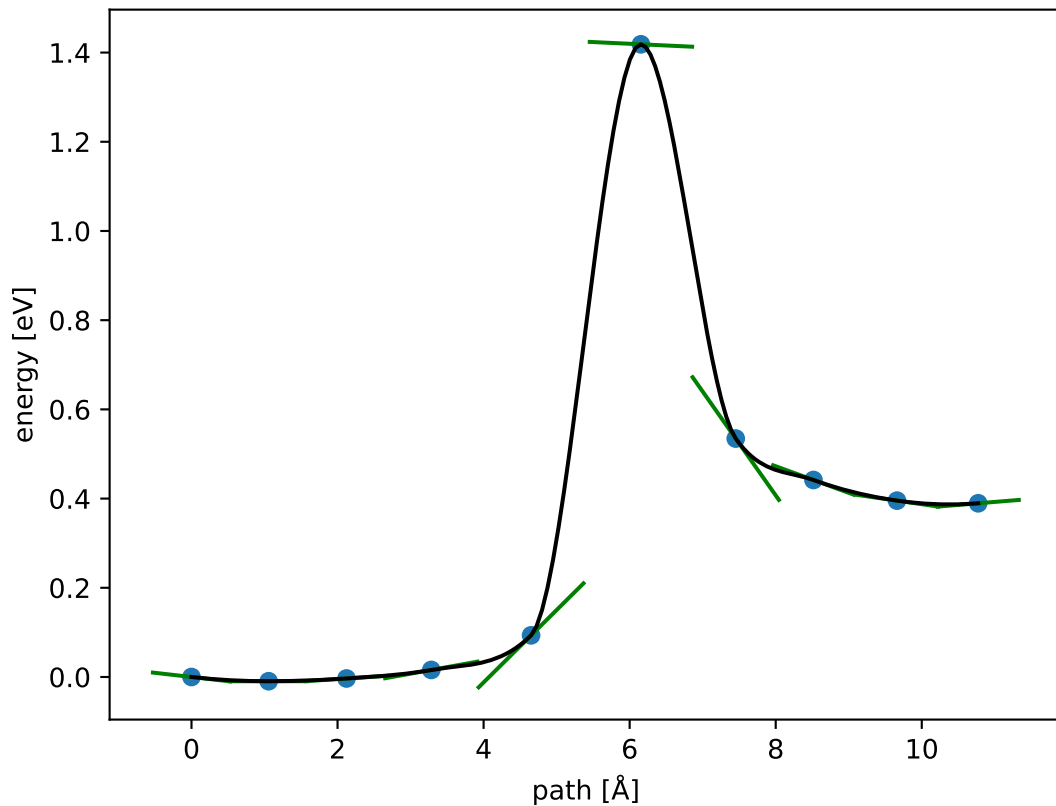
$$E_f \approx 1.429 \text{ eV}; E_r \approx 1.039 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



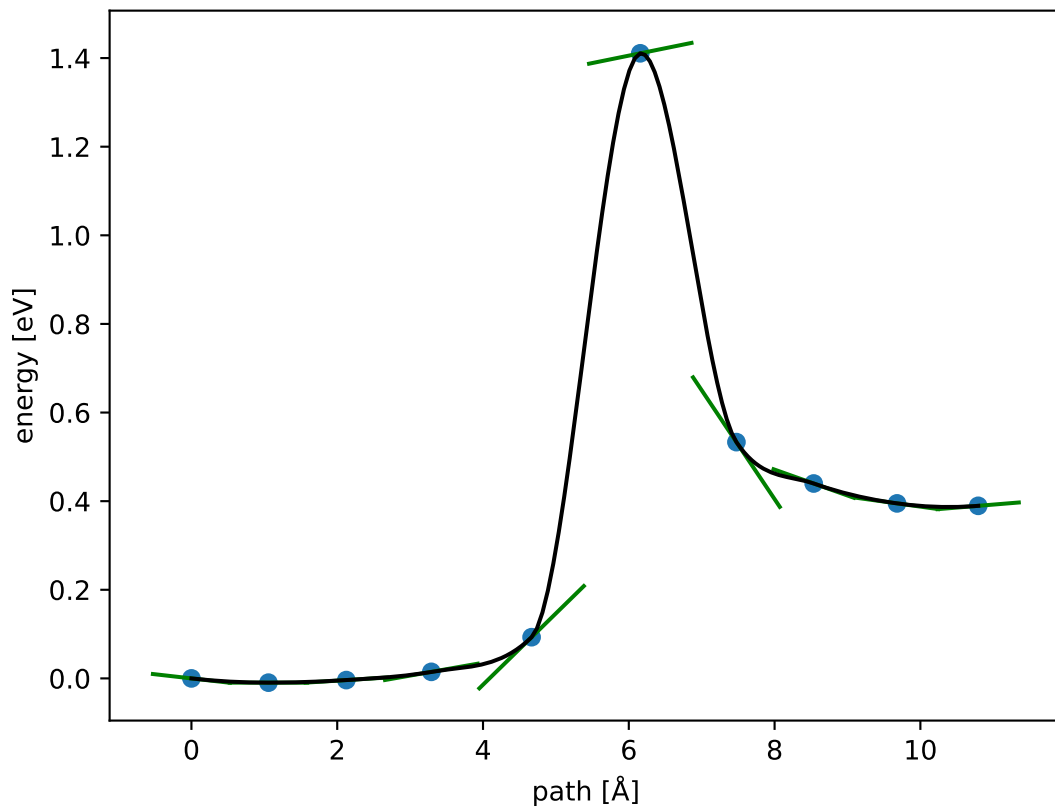
$$E_f \approx 1.424 \text{ eV}; E_r \approx 1.035 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



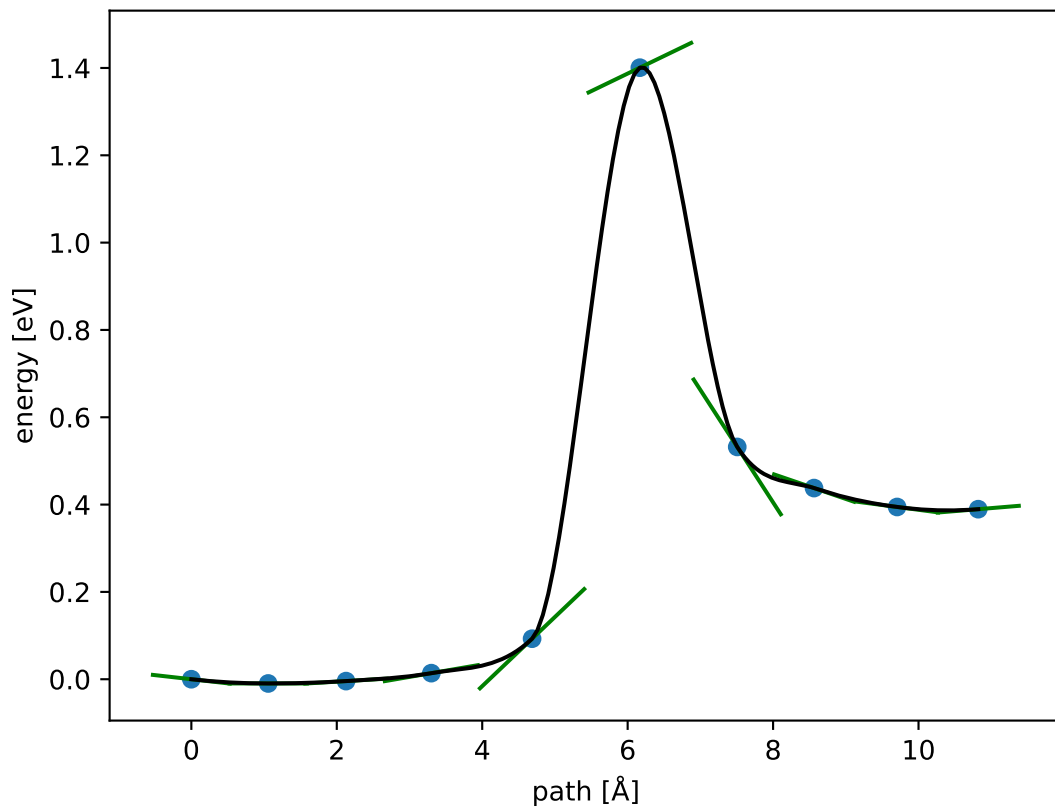
$$E_f \approx 1.419 \text{ eV}; E_r \approx 1.029 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



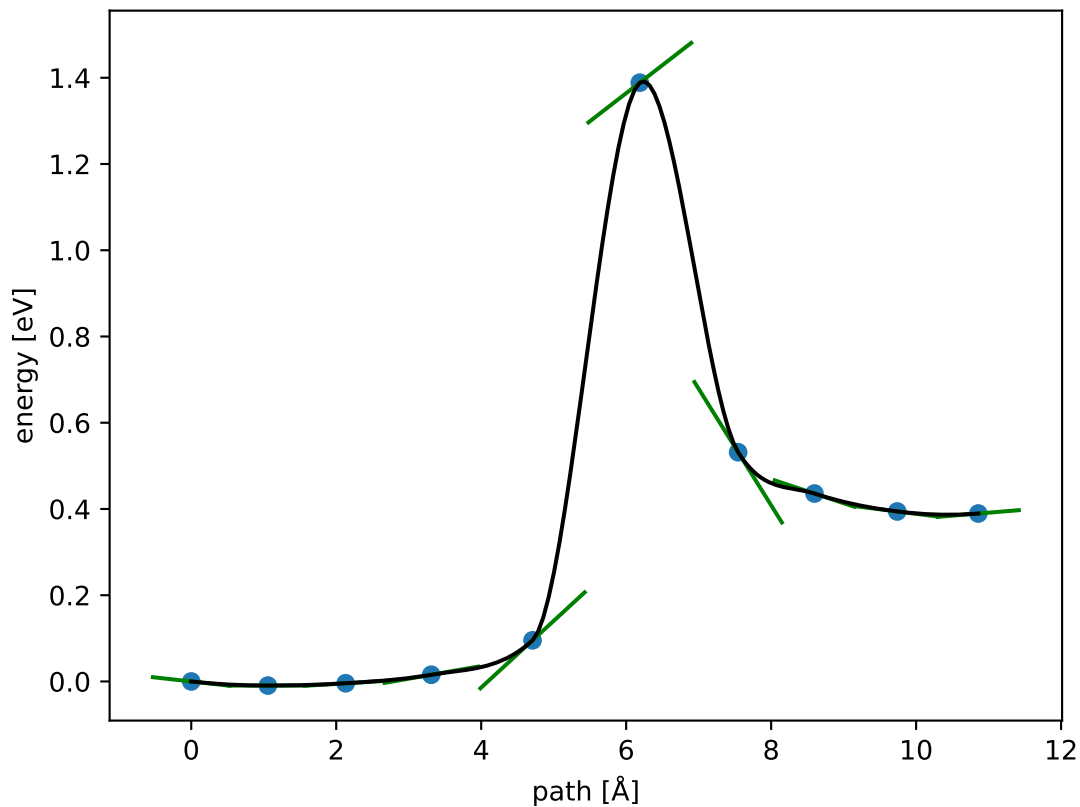
$$E_f \approx 1.411 \text{ eV}; E_r \approx 1.021 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



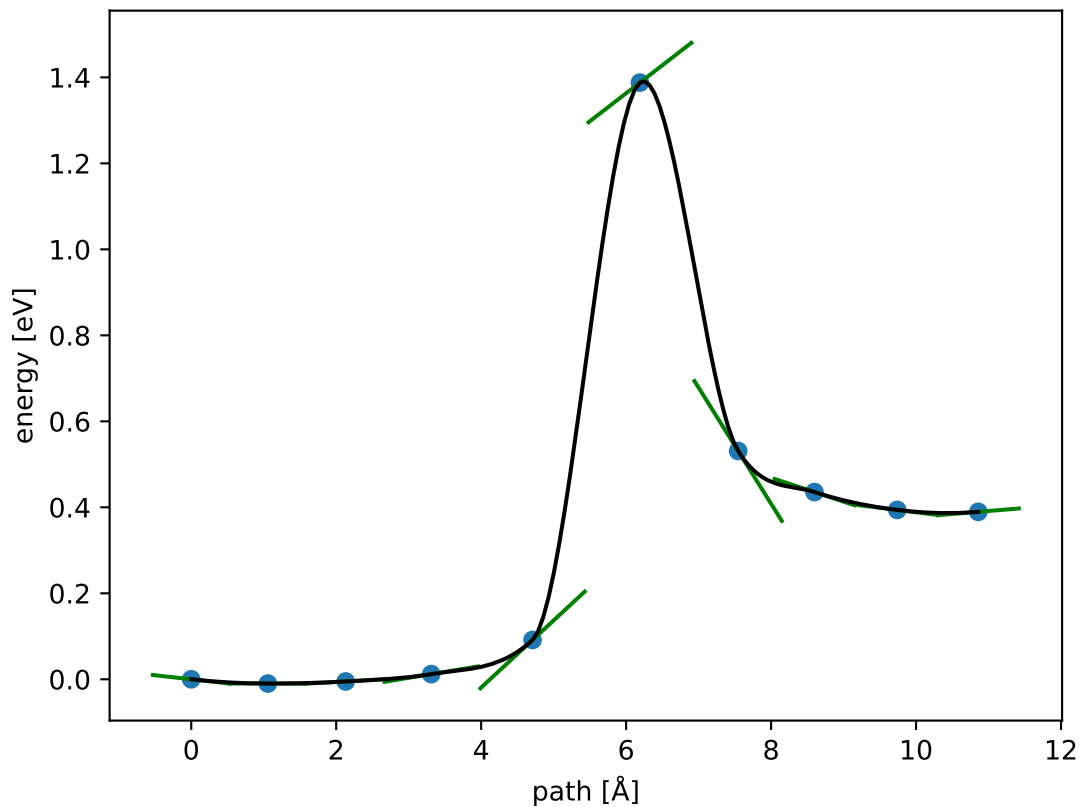
$$E_f \approx 1.401 \text{ eV}; E_r \approx 1.011 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.389 \text{ eV}; E_r \approx 0.999 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

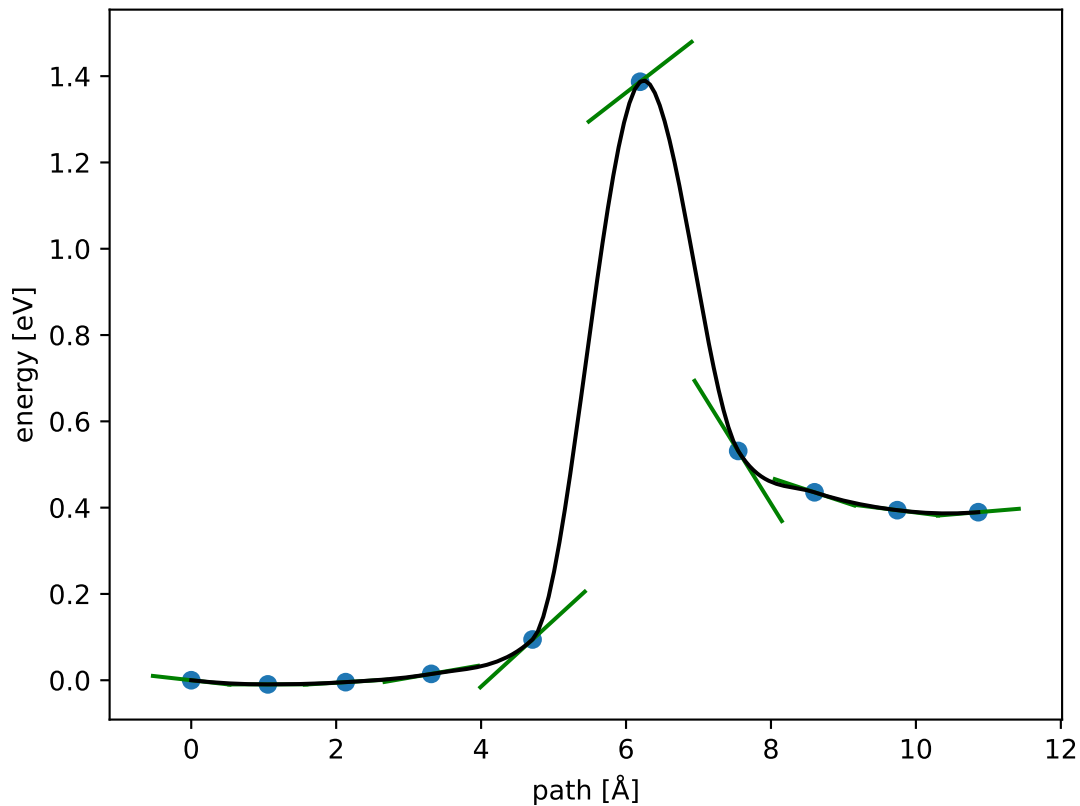


$$E_f \approx 1.388 \text{ eV}; E_r \approx 0.998 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

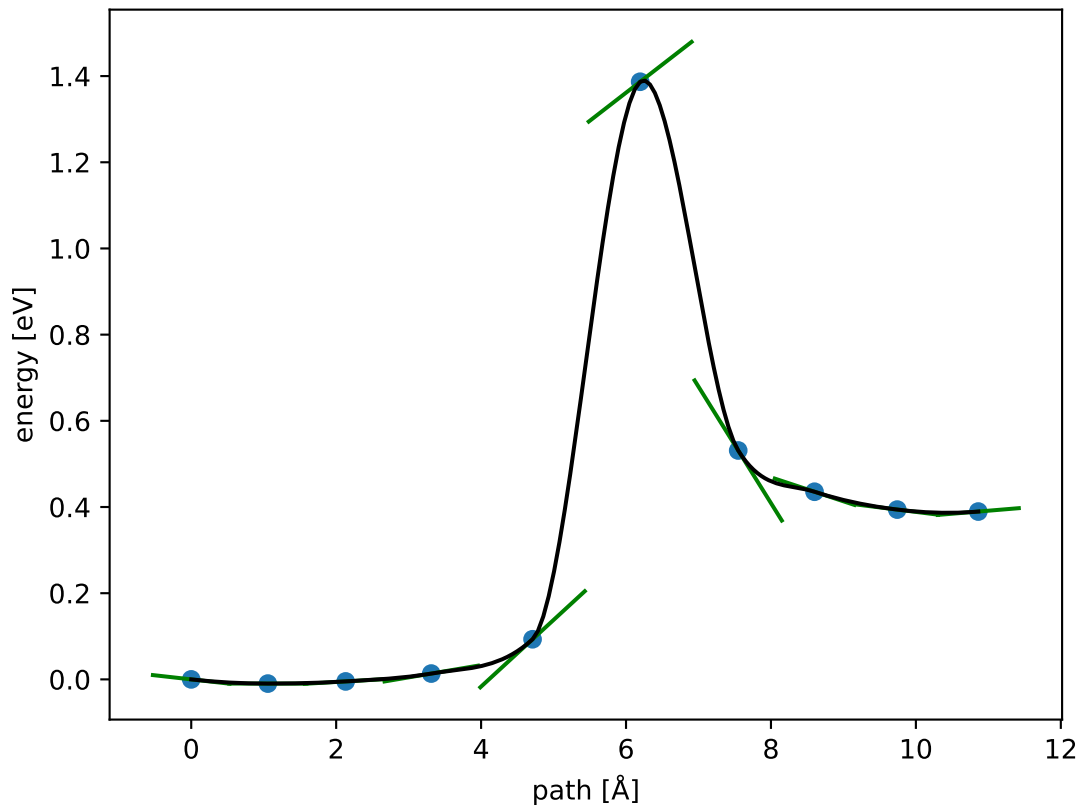




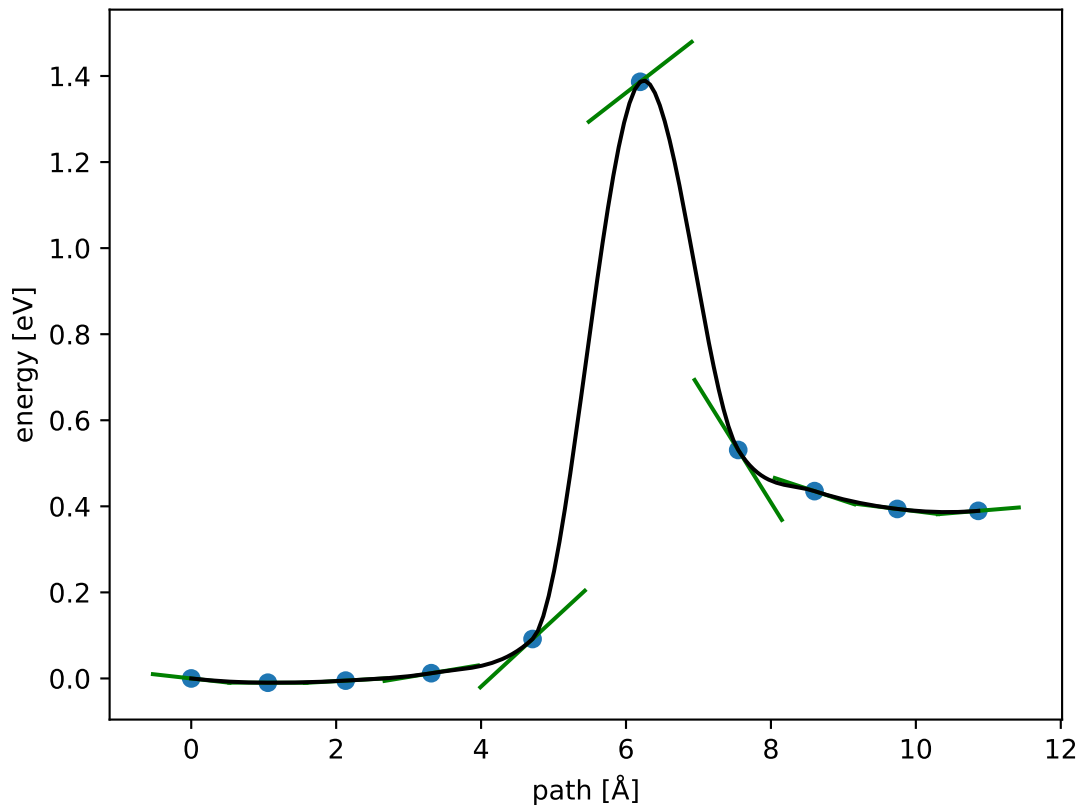
$$E_f \approx 1.387 \text{ eV}; E_r \approx 0.998 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



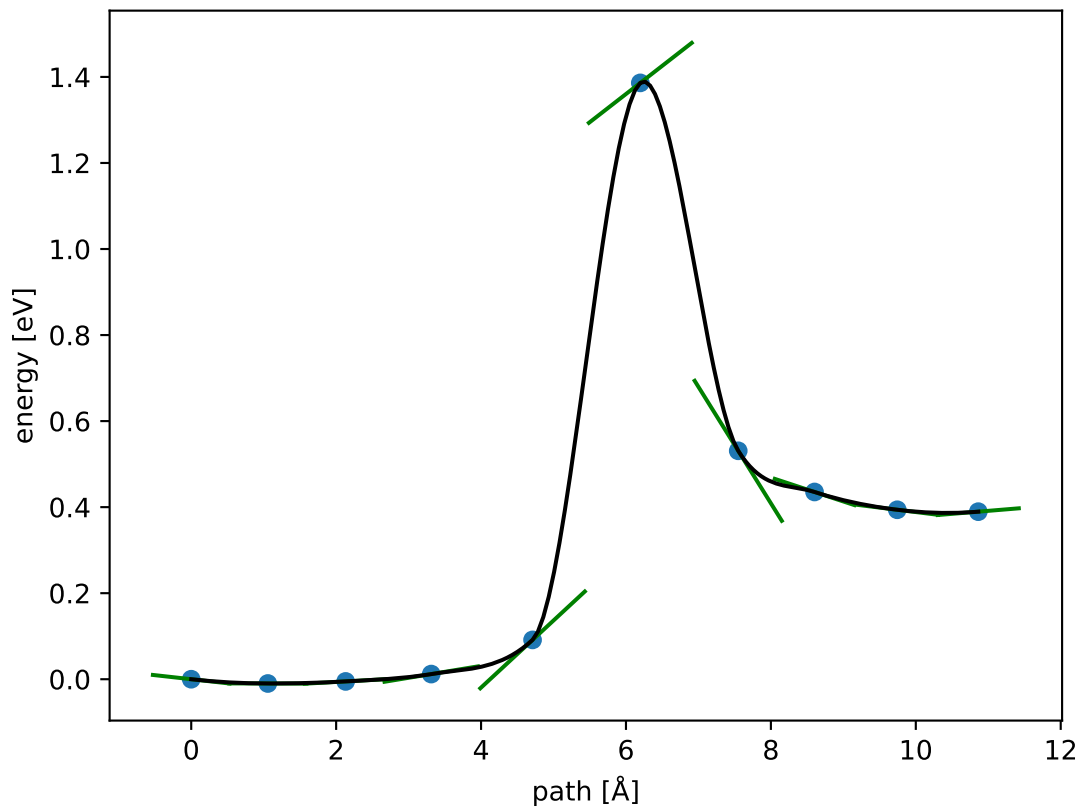
$$E_f \approx 1.387 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



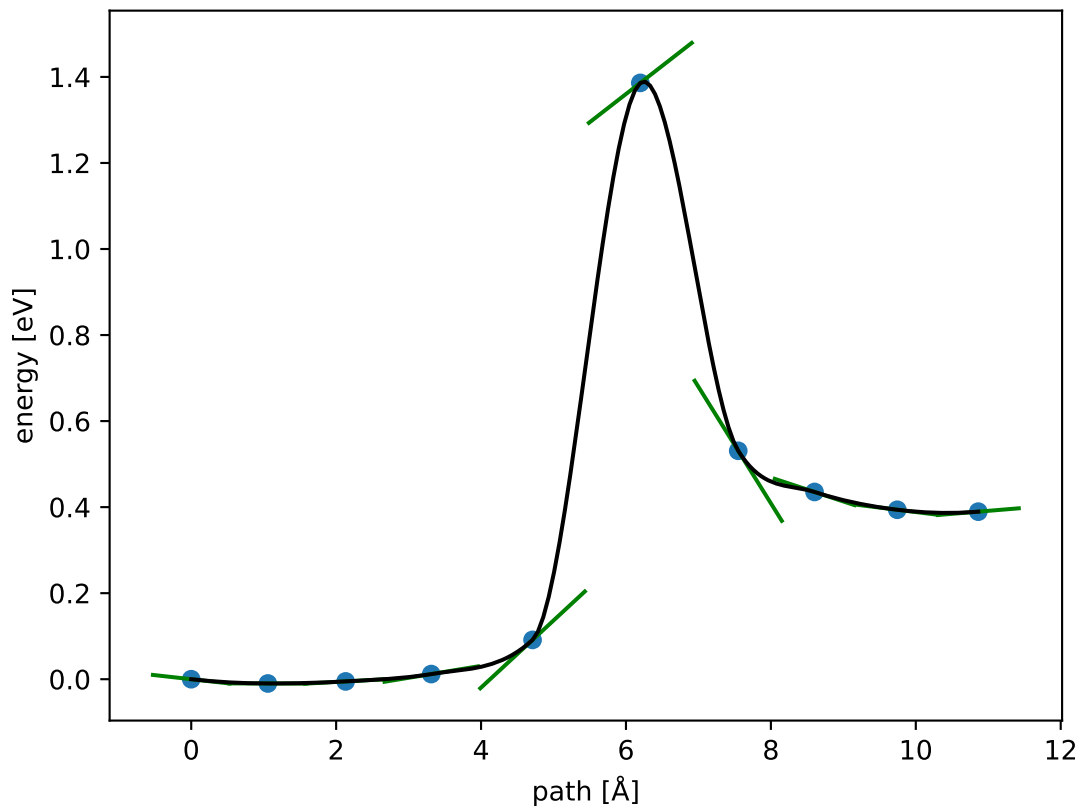
$$E_f \approx 1.387 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



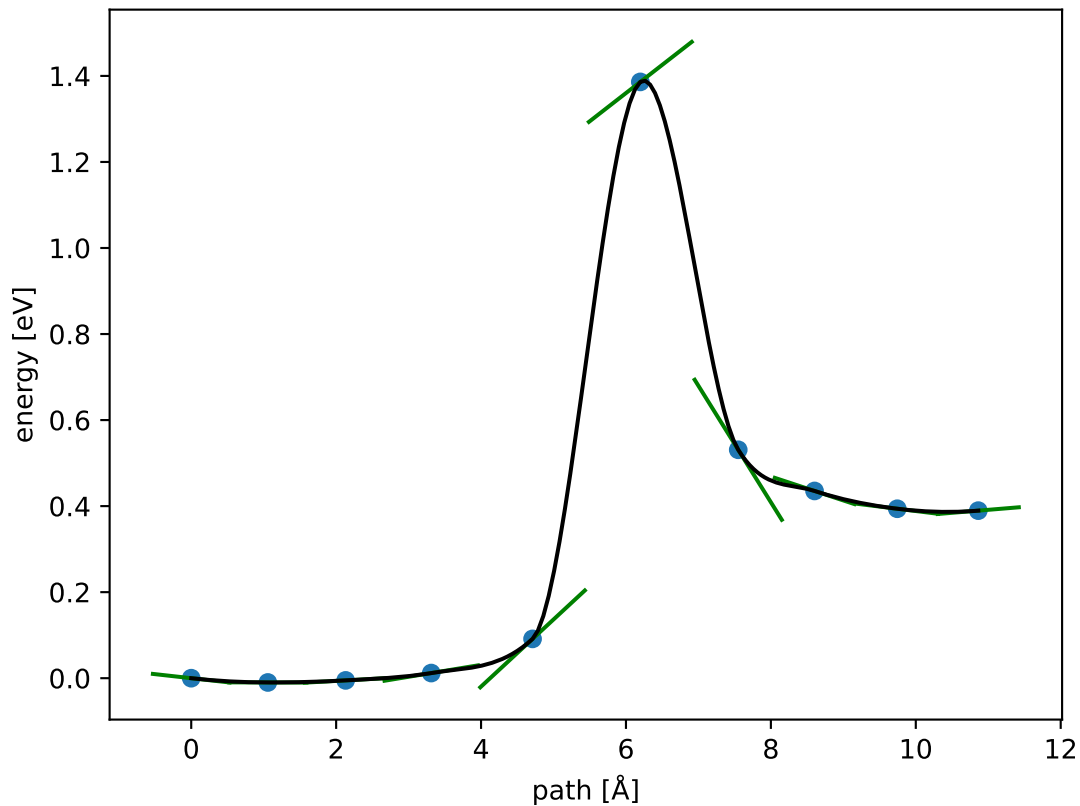
$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



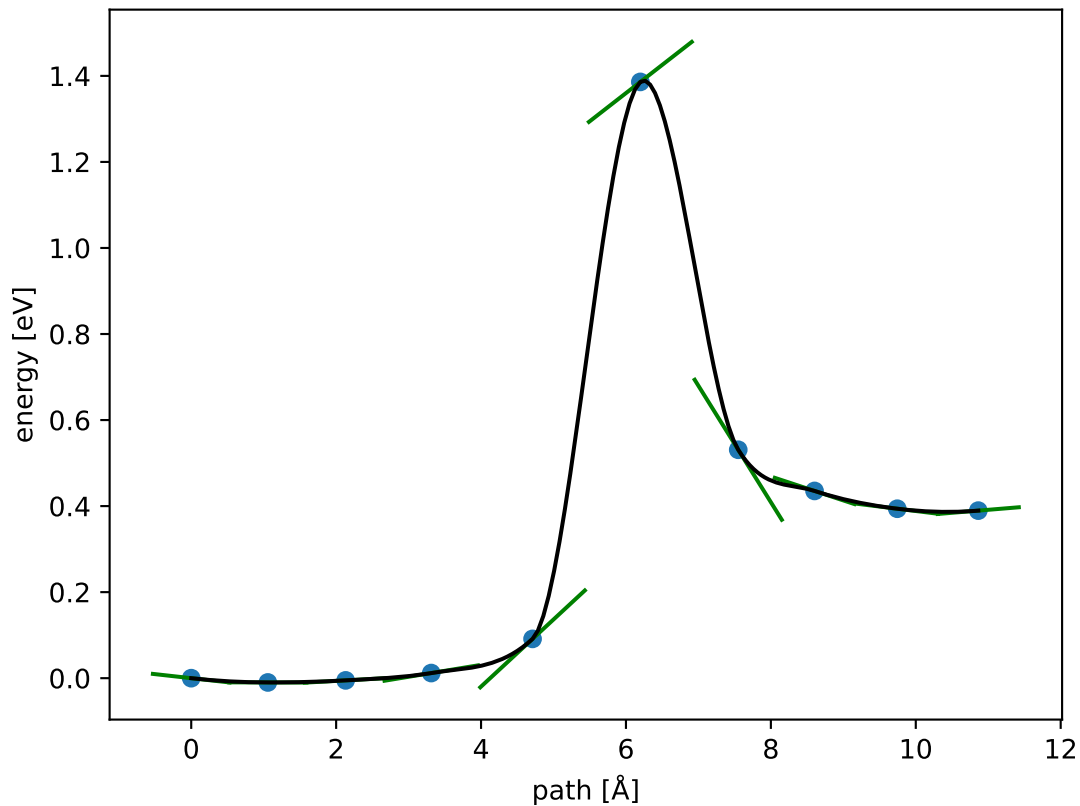
$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



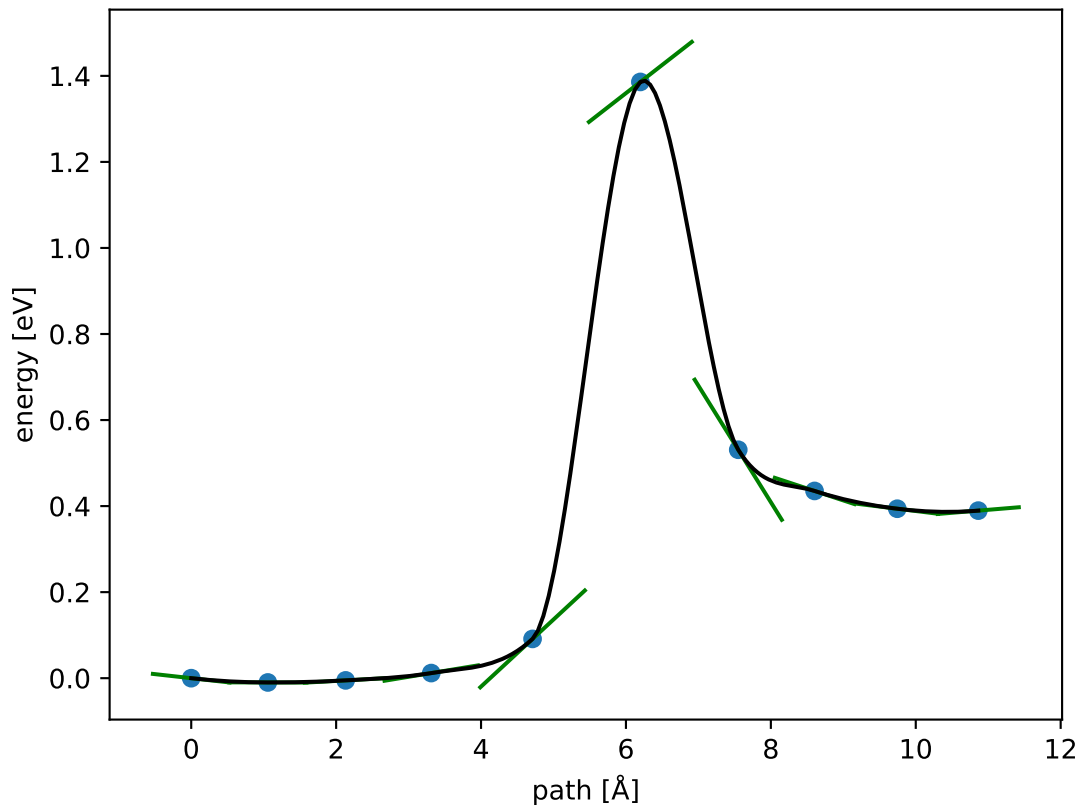
$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.997 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

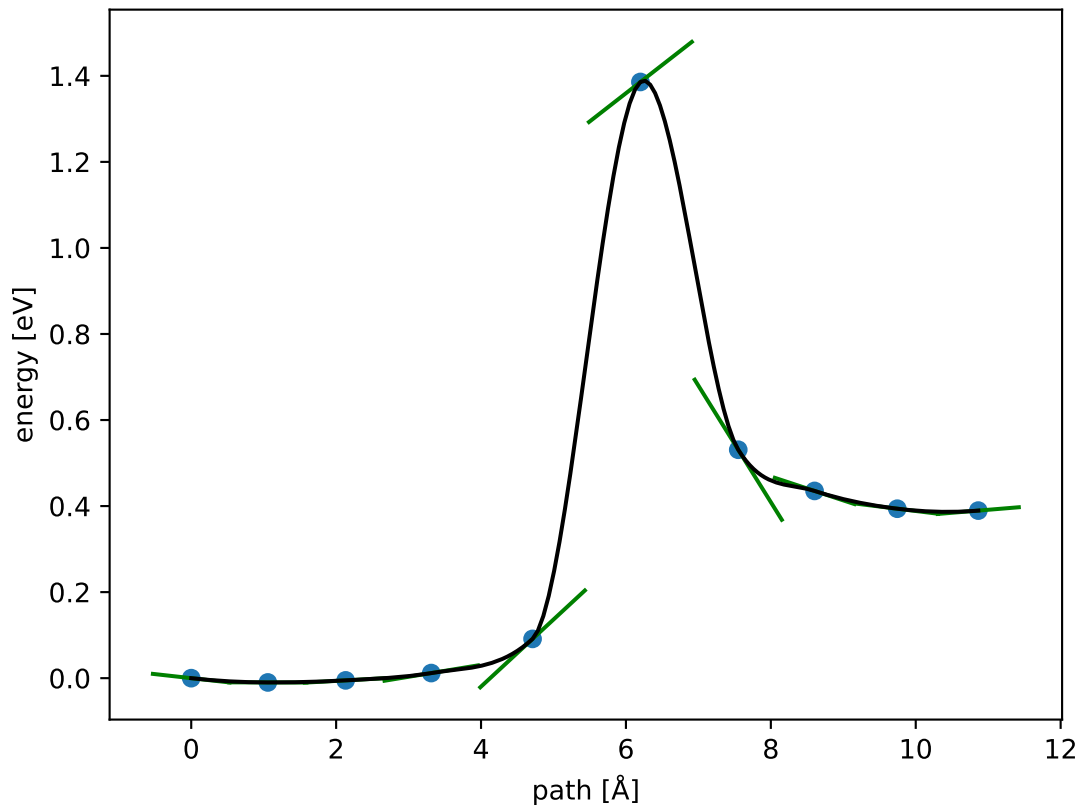


$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.996 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

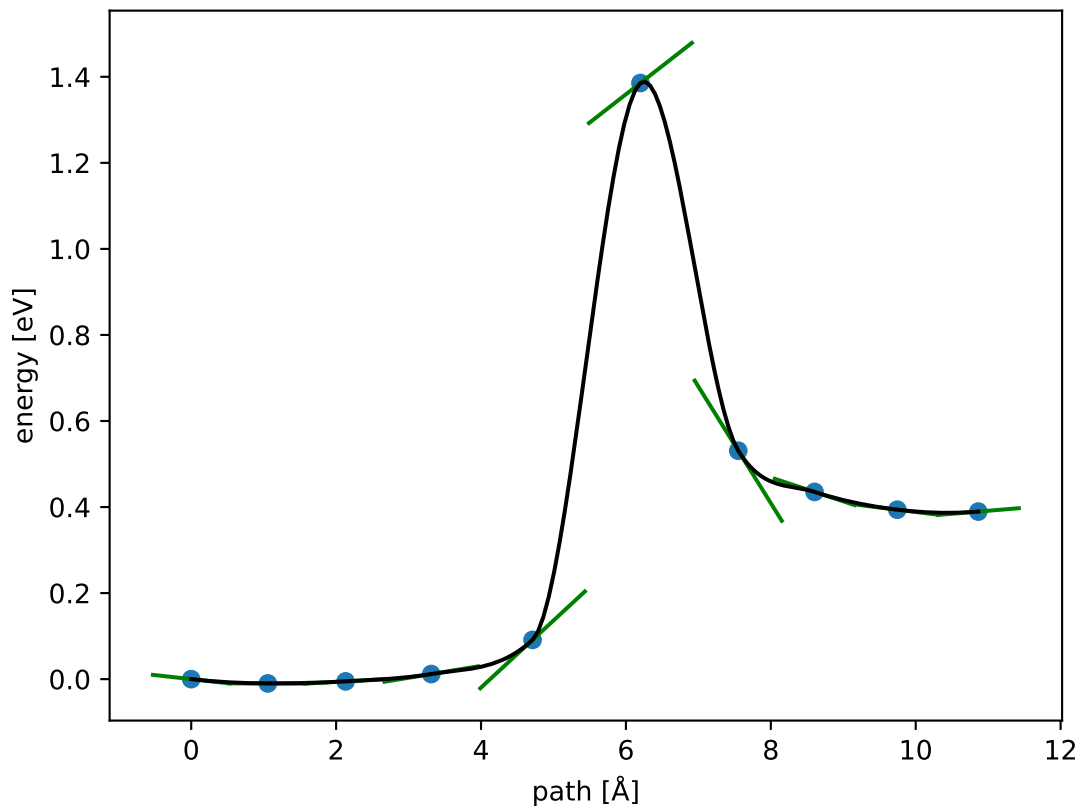




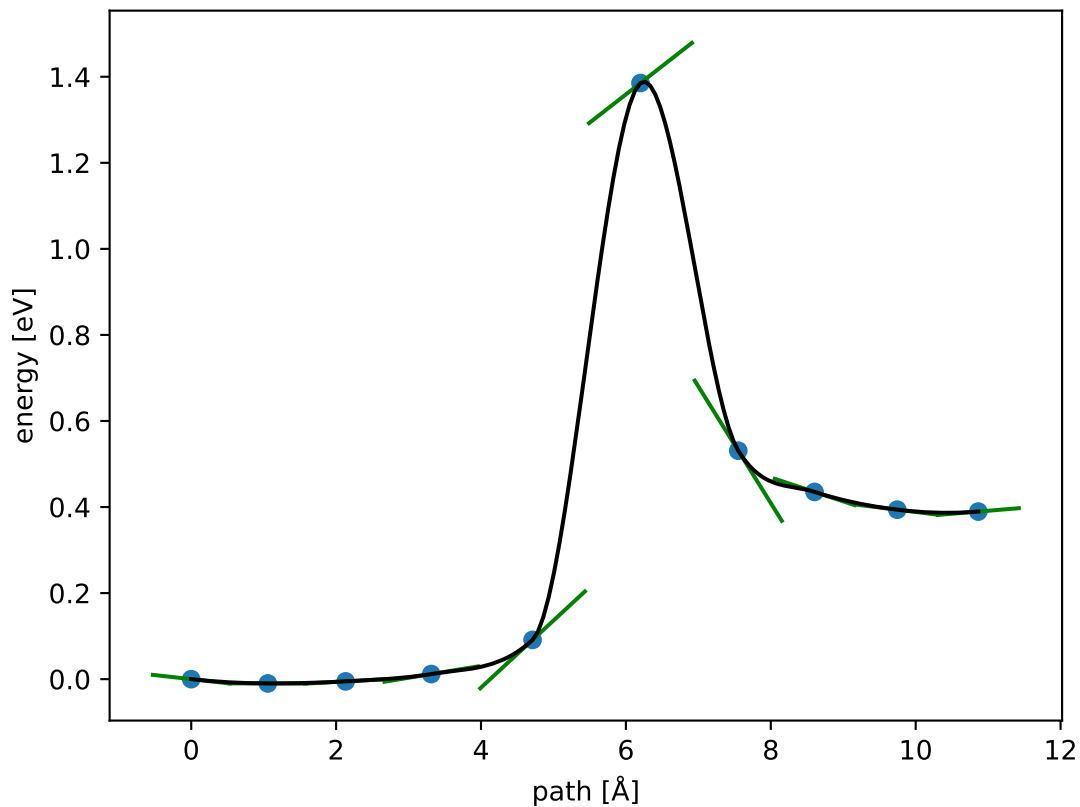
$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.996 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



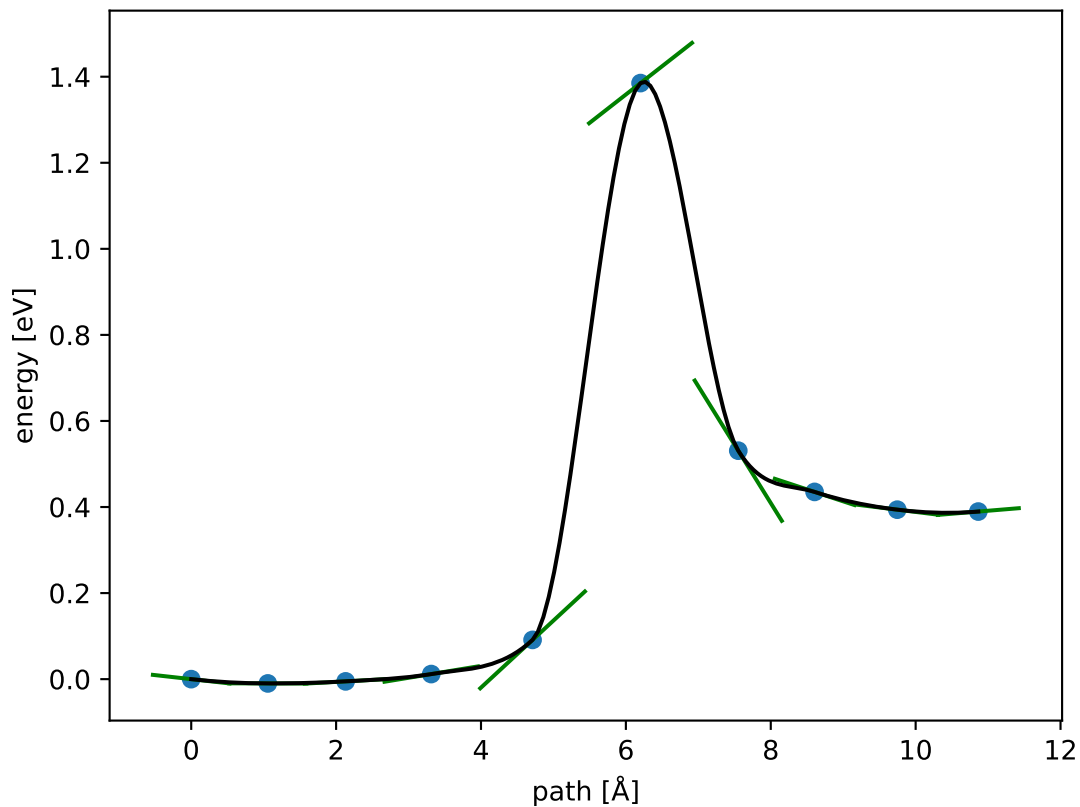
$$E_f \approx 1.386 \text{ eV}; E_r \approx 0.996 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



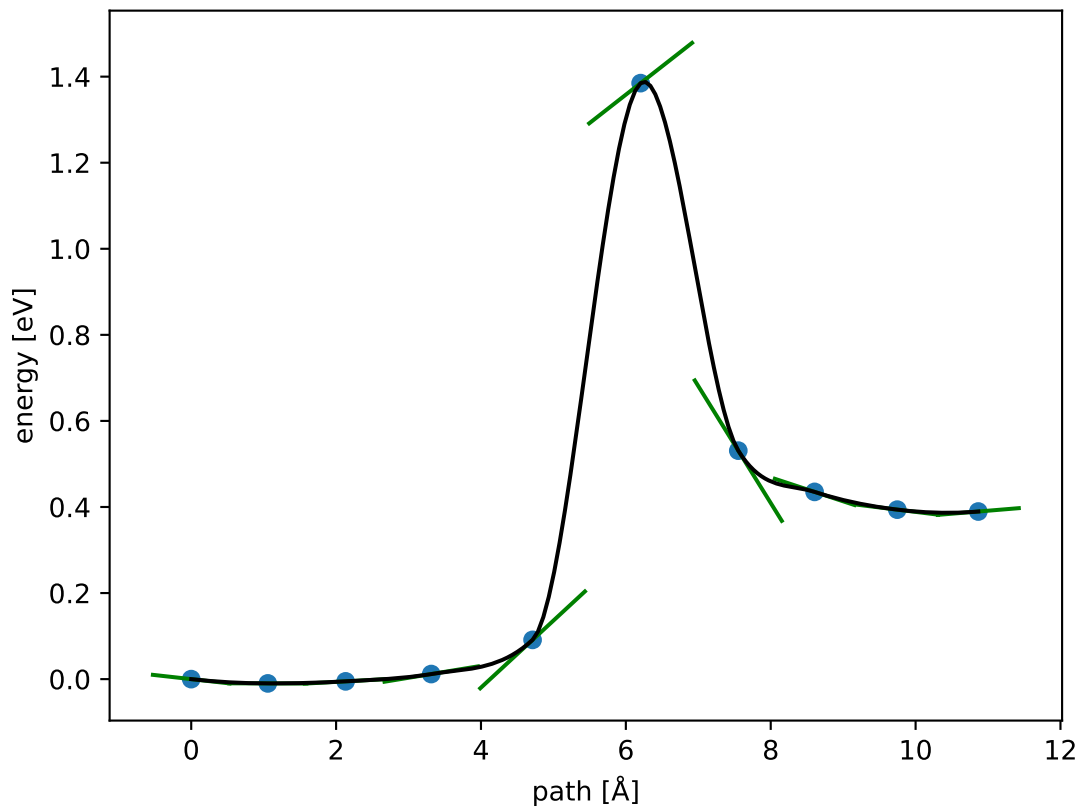
$$E_f \approx 1.385 \text{ eV}; E_r \approx 0.996 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



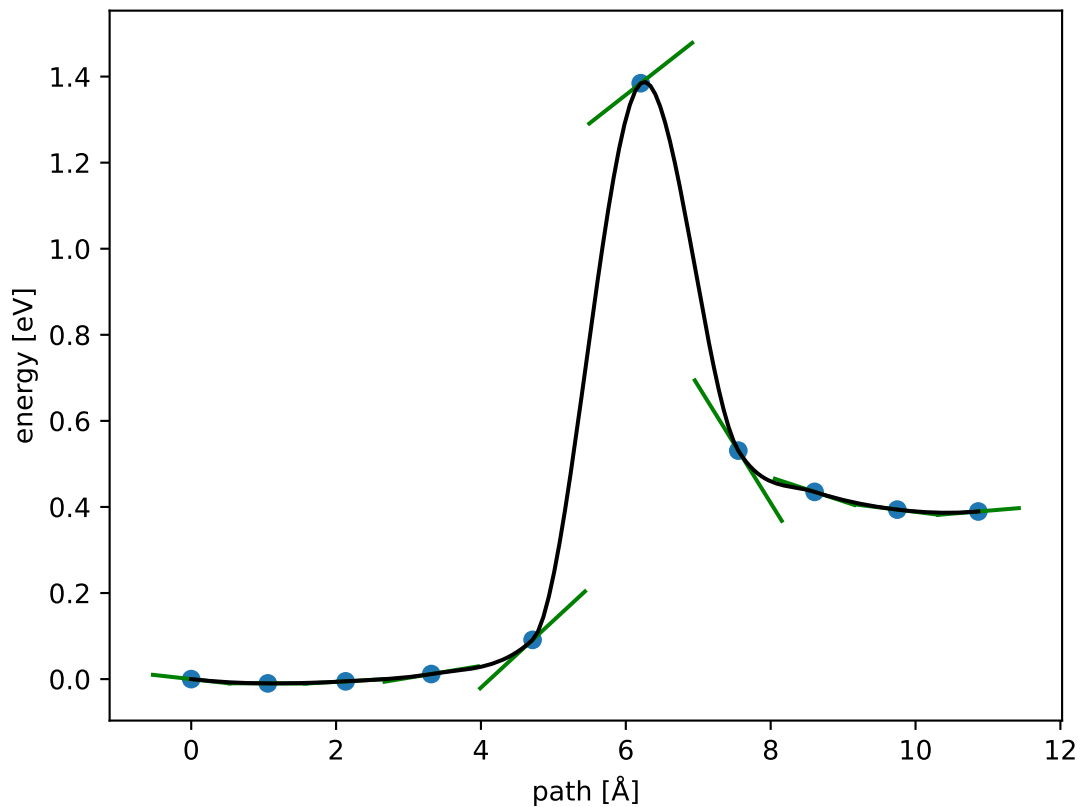
$$E_f \approx 1.385 \text{ eV}; E_r \approx 0.996 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



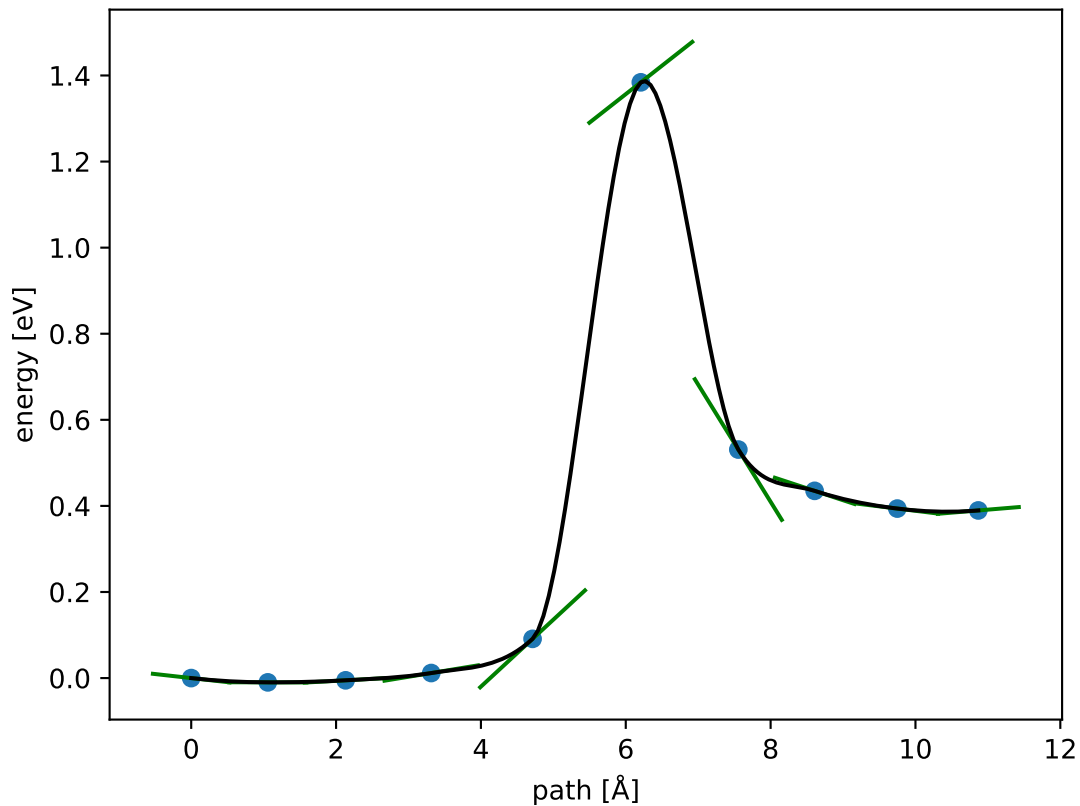
$$E_f \approx 1.385 \text{ eV}; E_r \approx 0.995 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



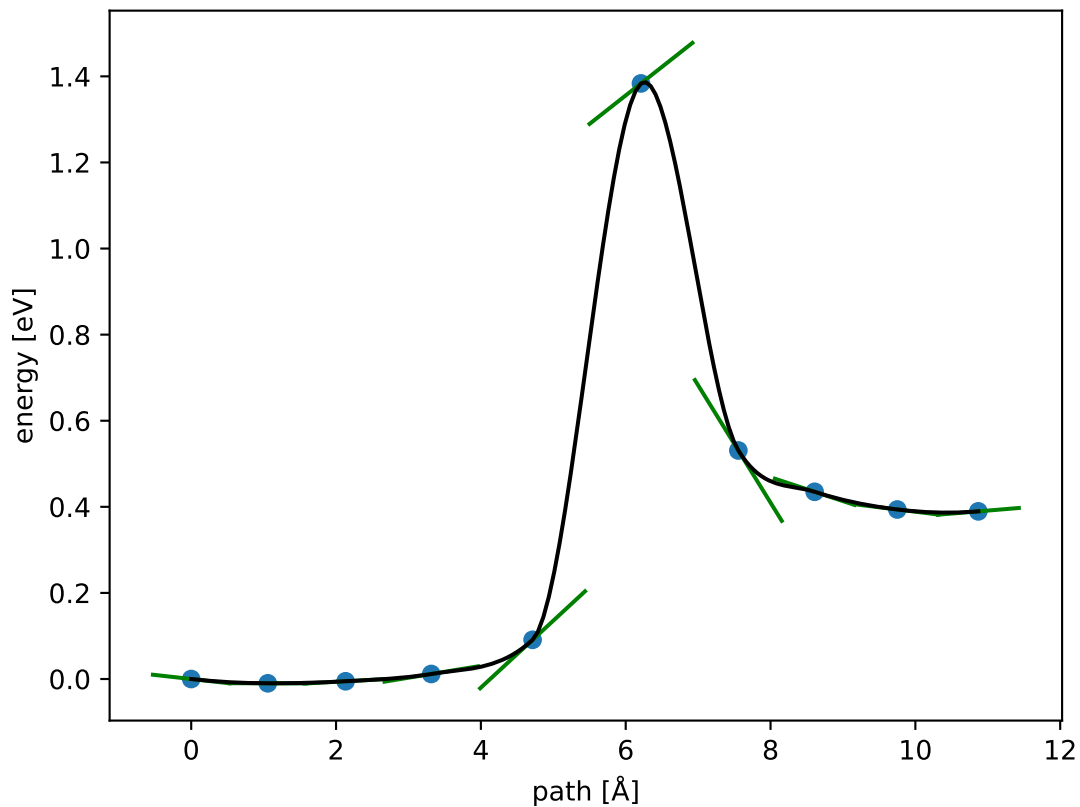
$$E_f \approx 1.385 \text{ eV}; E_r \approx 0.995 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.384 \text{ eV}; E_r \approx 0.995 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

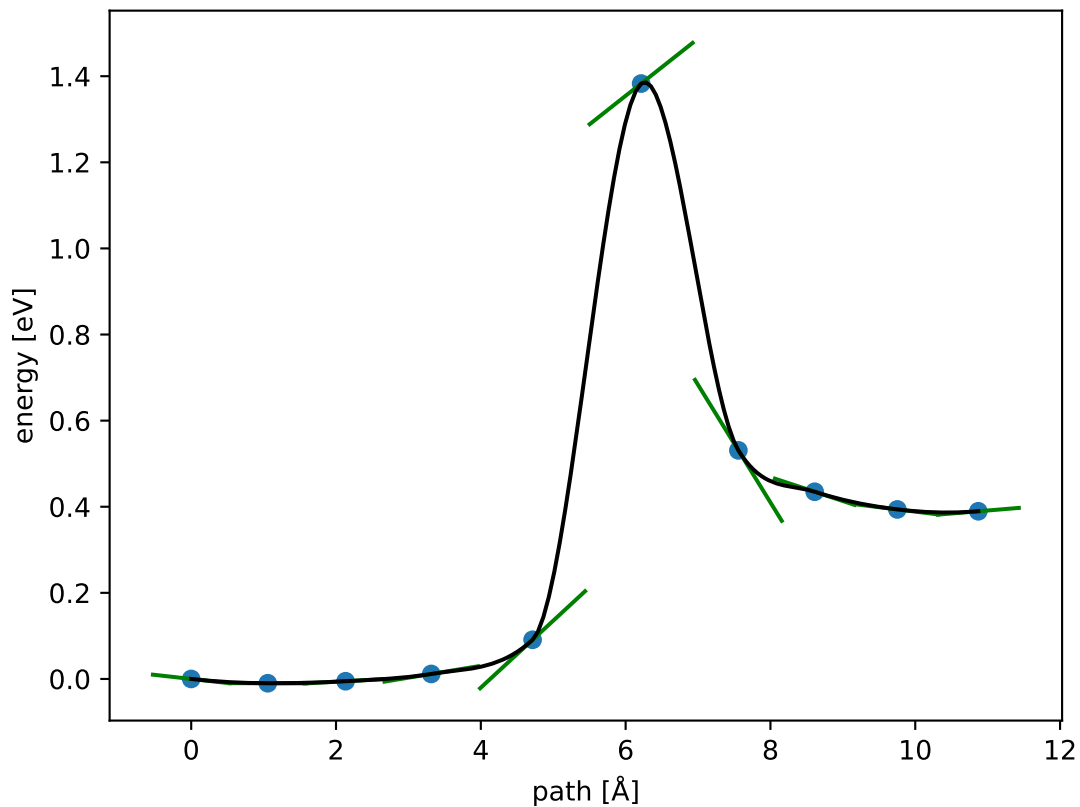


$$E_f \approx 1.384 \text{ eV}; E_r \approx 0.994 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

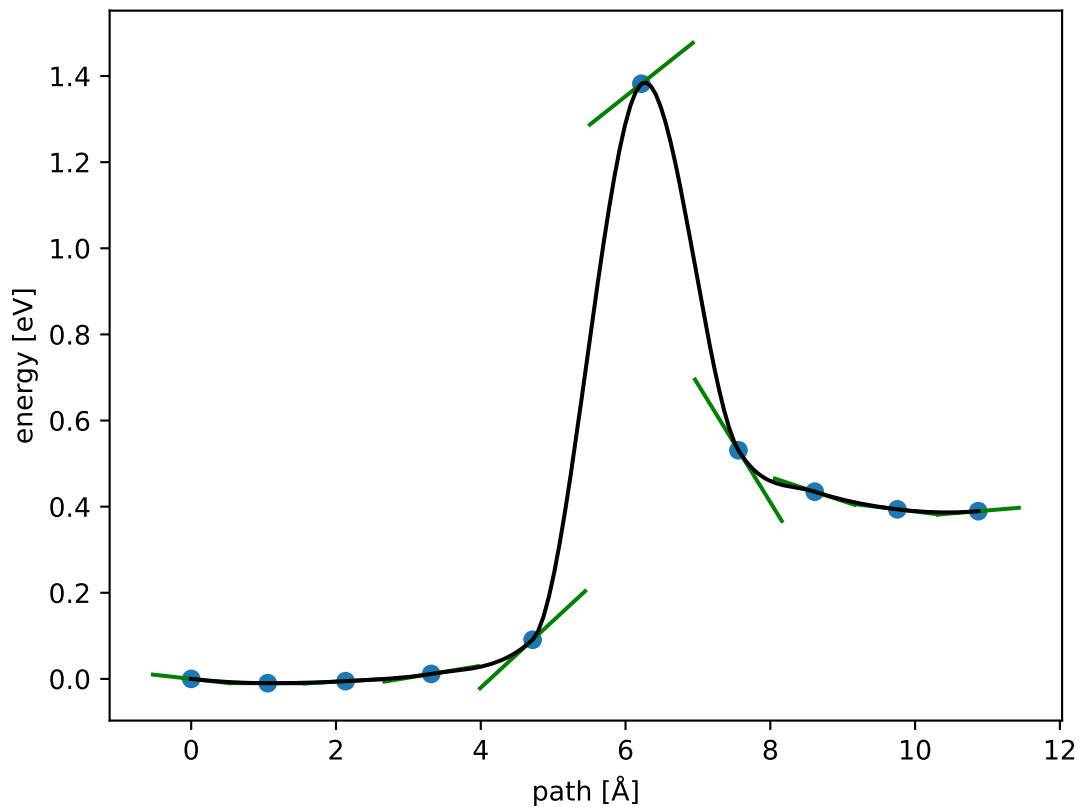




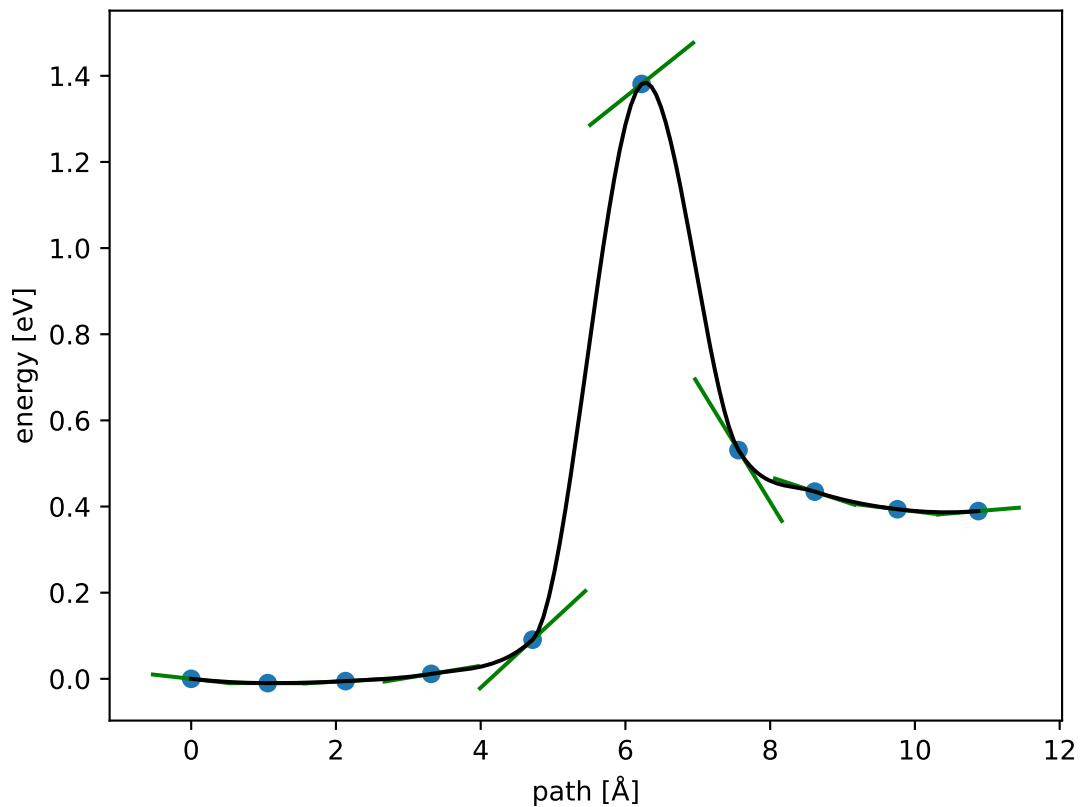
$$E_f \approx 1.383 \text{ eV}; E_r \approx 0.993 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



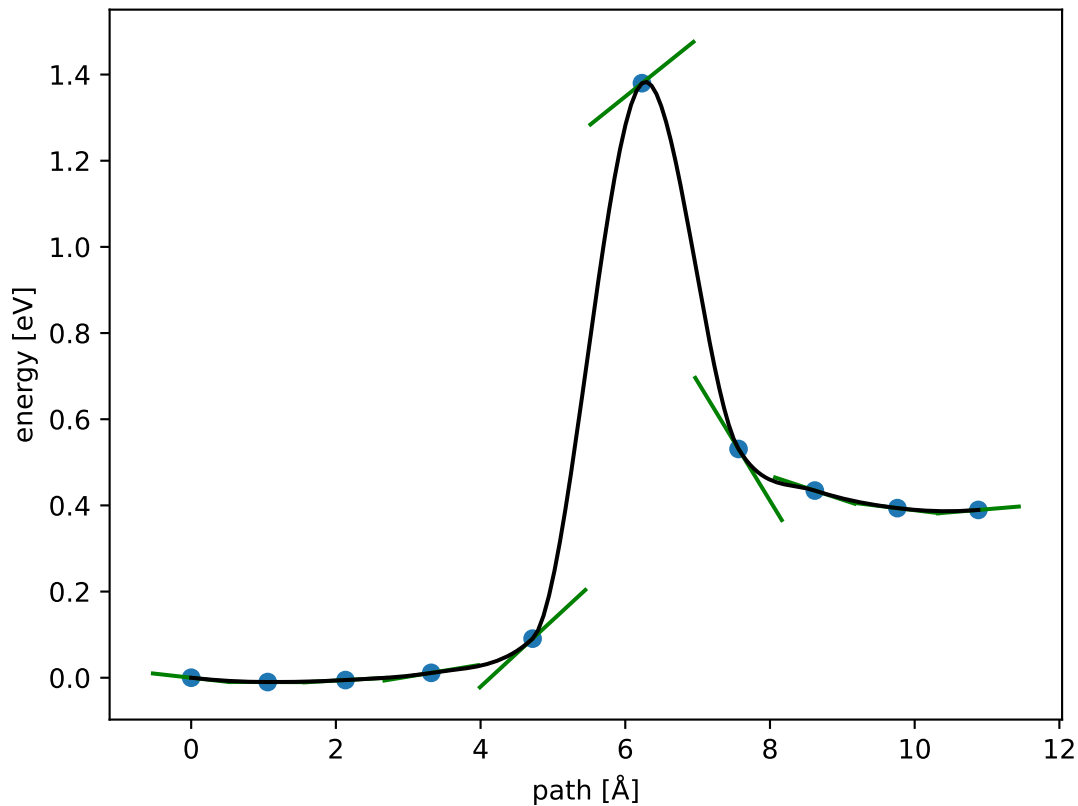
$$E_f \approx 1.382 \text{ eV}; E_r \approx 0.993 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



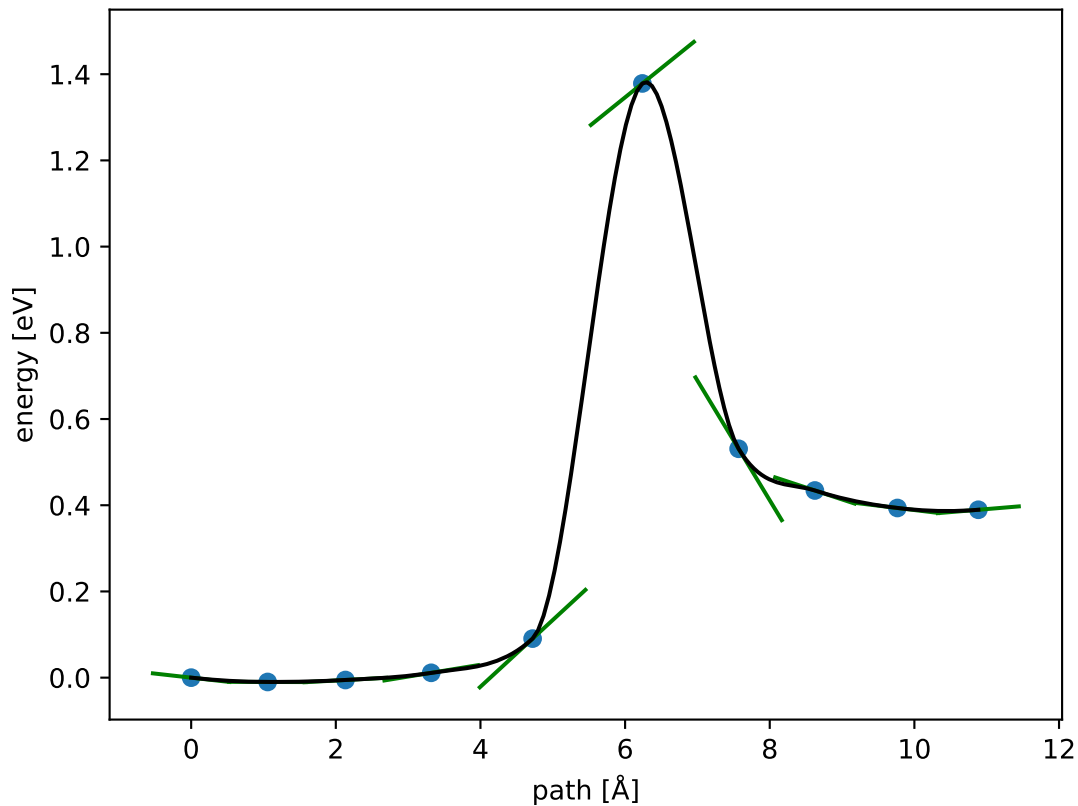
$$E_f \approx 1.381 \text{ eV}; E_r \approx 0.992 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



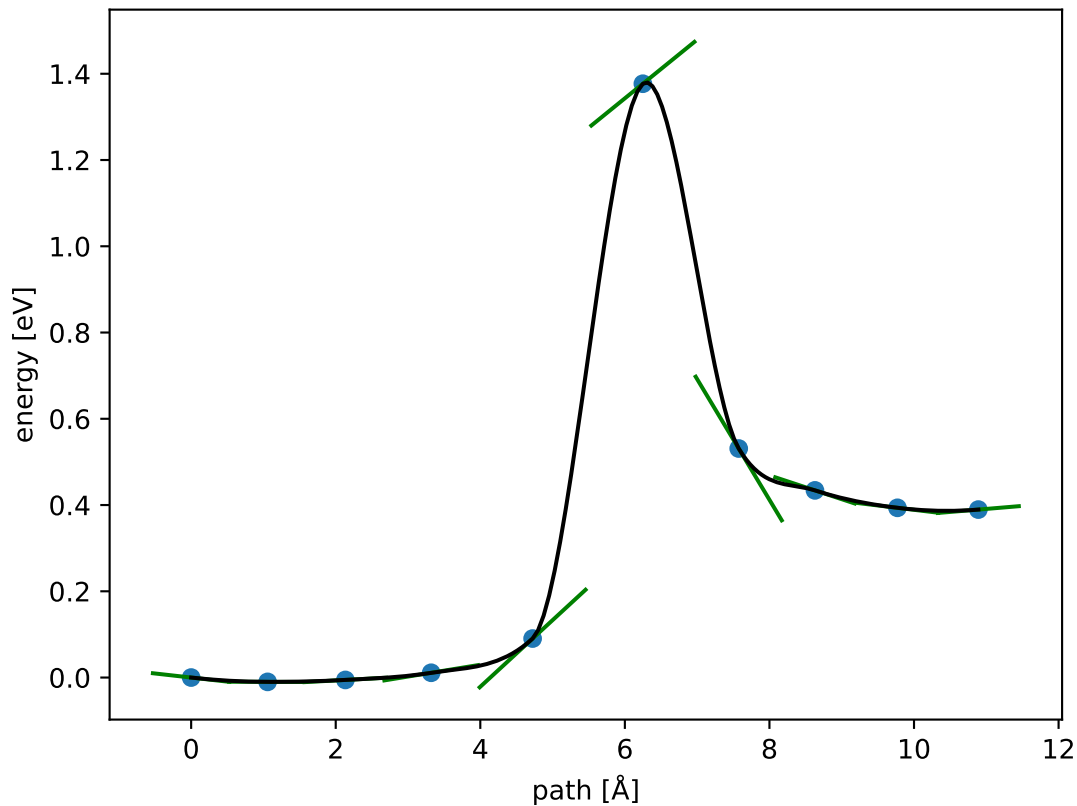
$$E_f \approx 1.380 \text{ eV}; E_r \approx 0.990 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



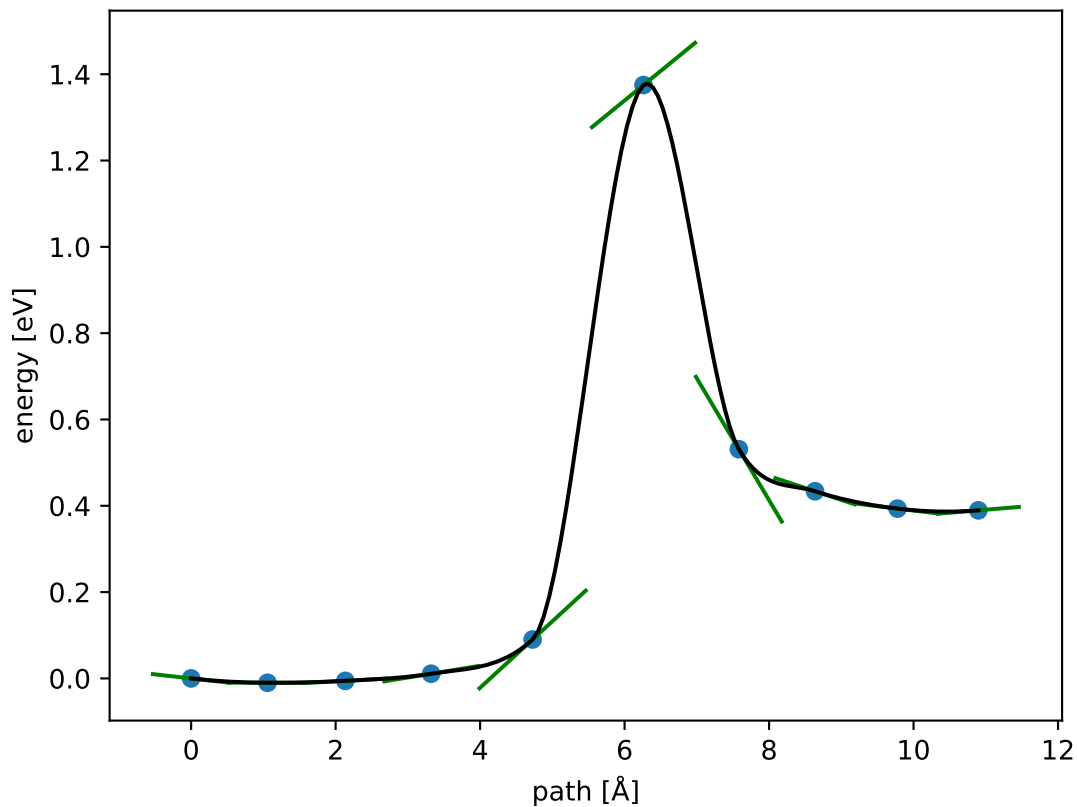
$$E_f \approx 1.379 \text{ eV}; E_r \approx 0.989 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



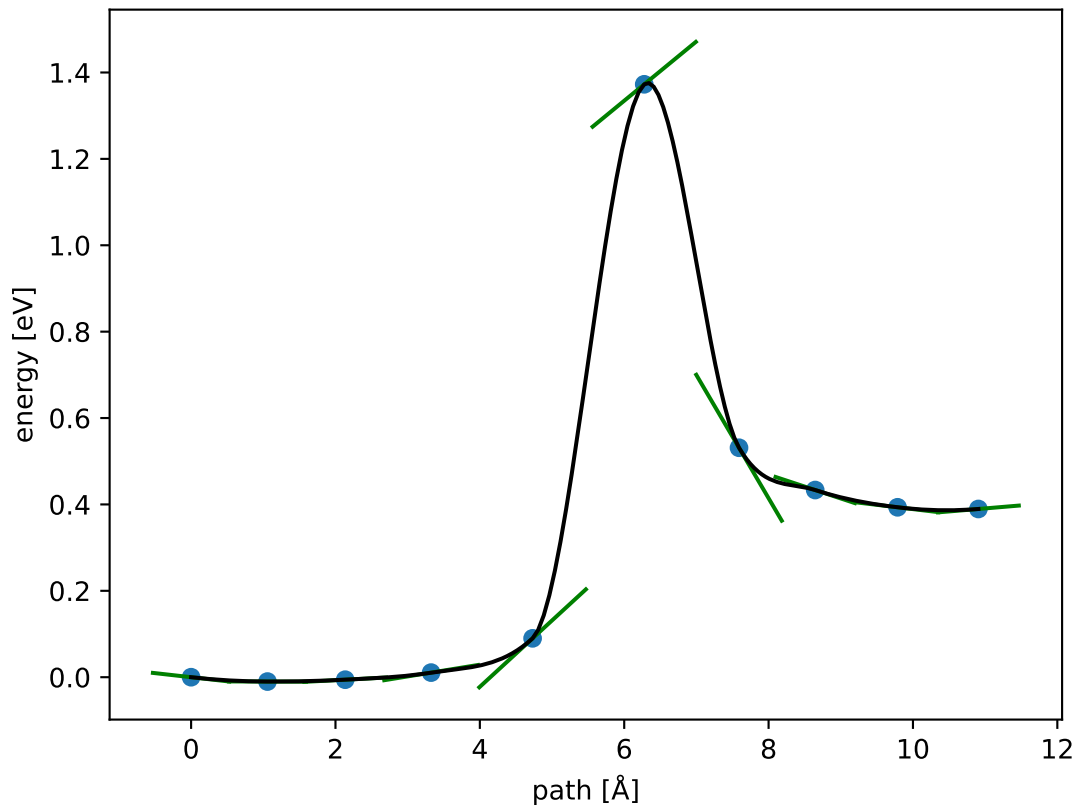
$$E_f \approx 1.377 \text{ eV}; E_r \approx 0.987 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.375 \text{ eV}; E_r \approx 0.985 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

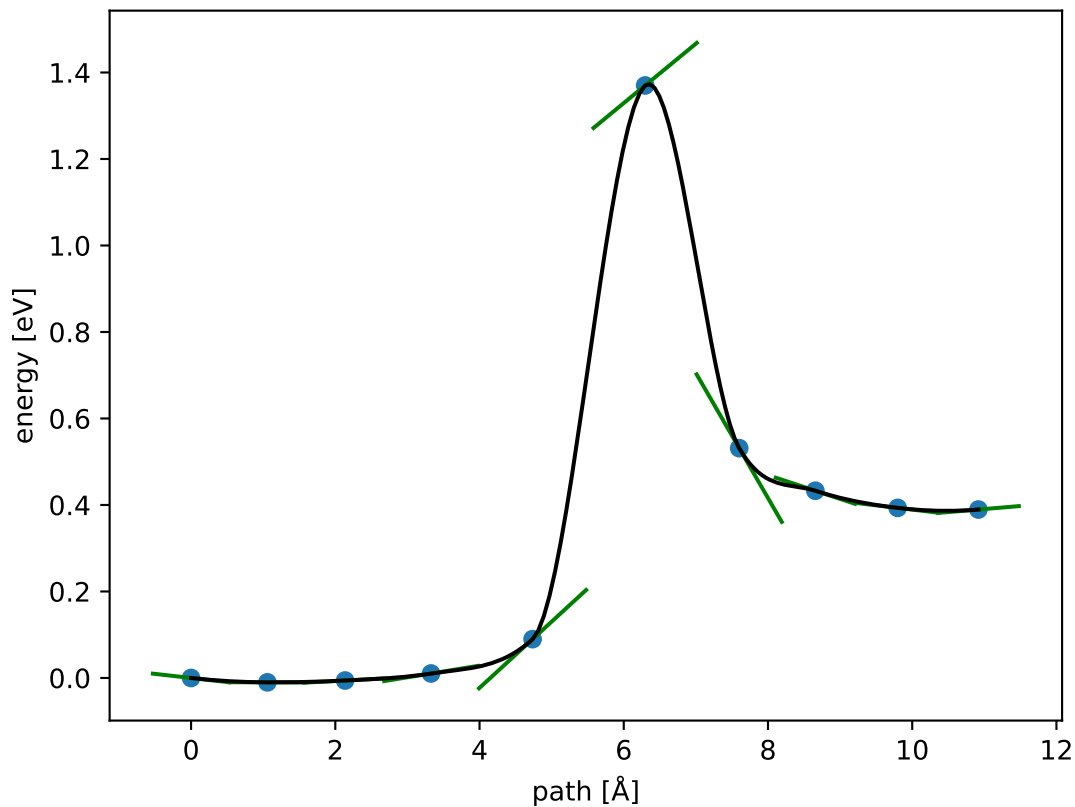


$$E_f \approx 1.373 \text{ eV}; E_r \approx 0.983 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

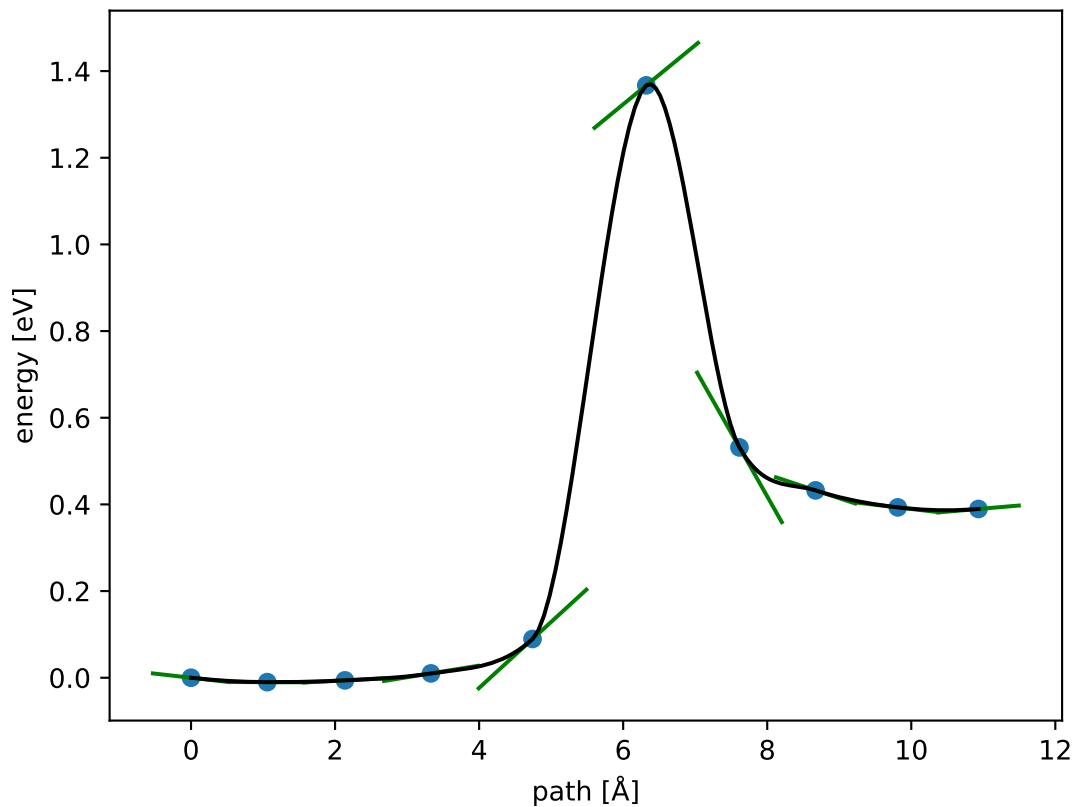




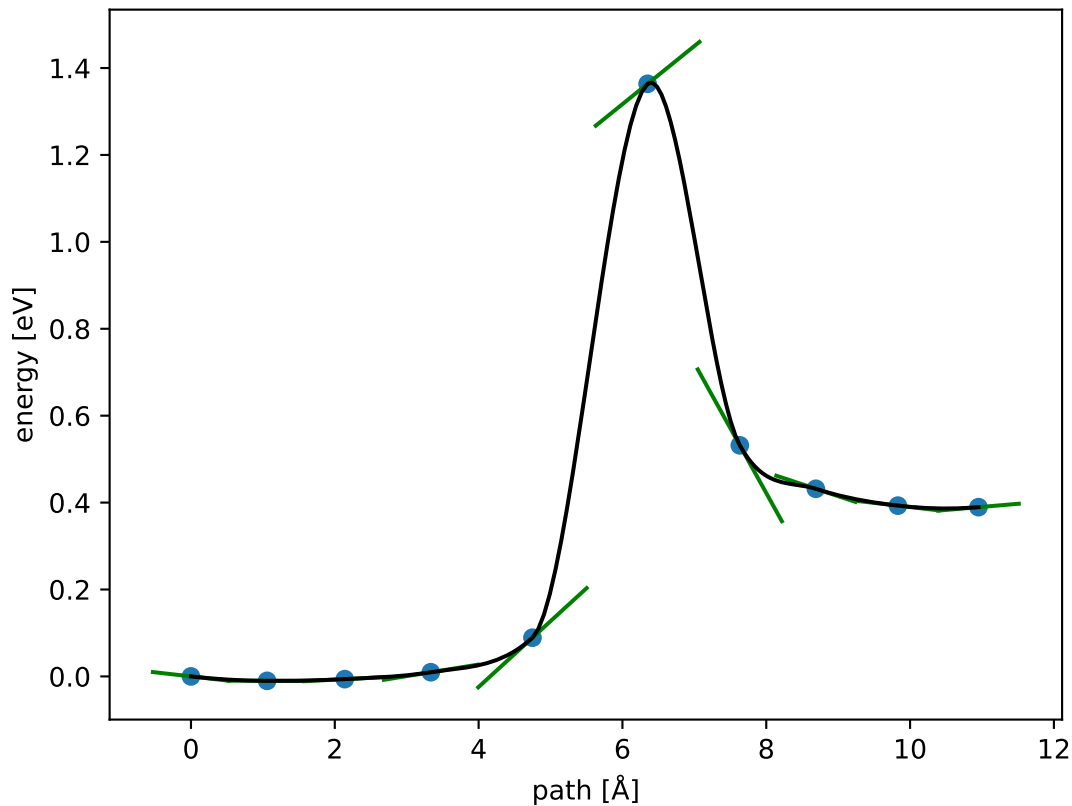
$$E_f \approx 1.370 \text{ eV}; E_r \approx 0.981 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



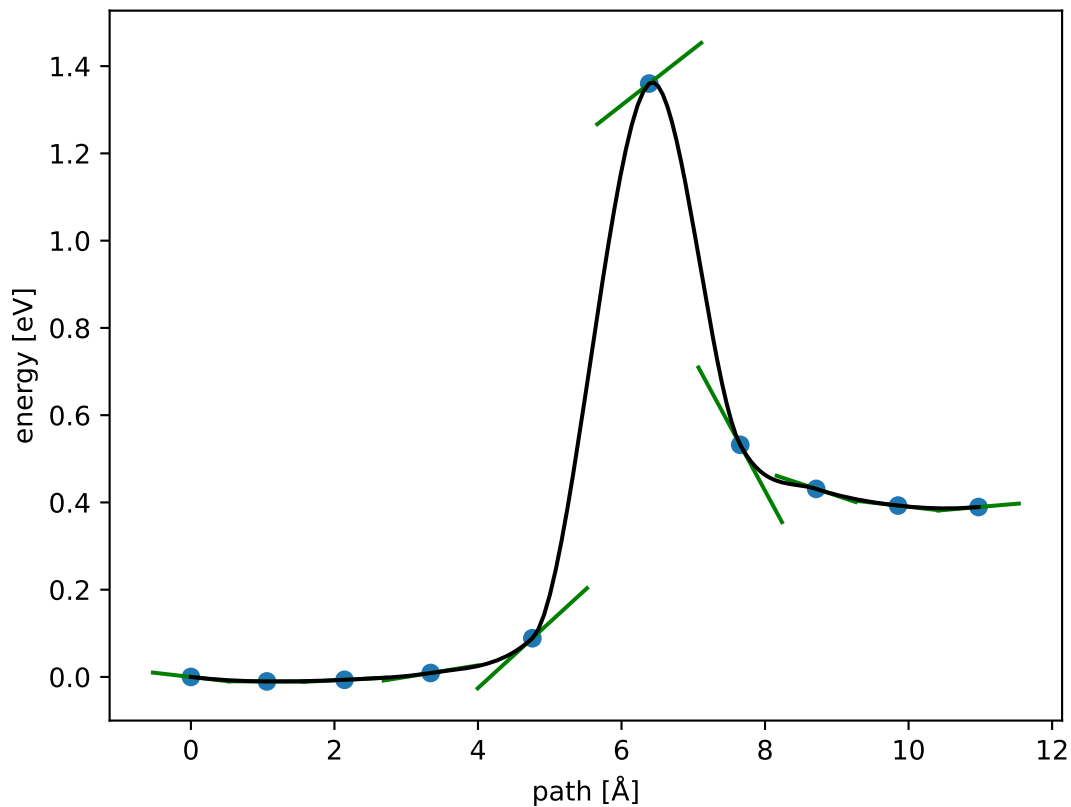
$$E_f \approx 1.367 \text{ eV}; E_r \approx 0.978 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



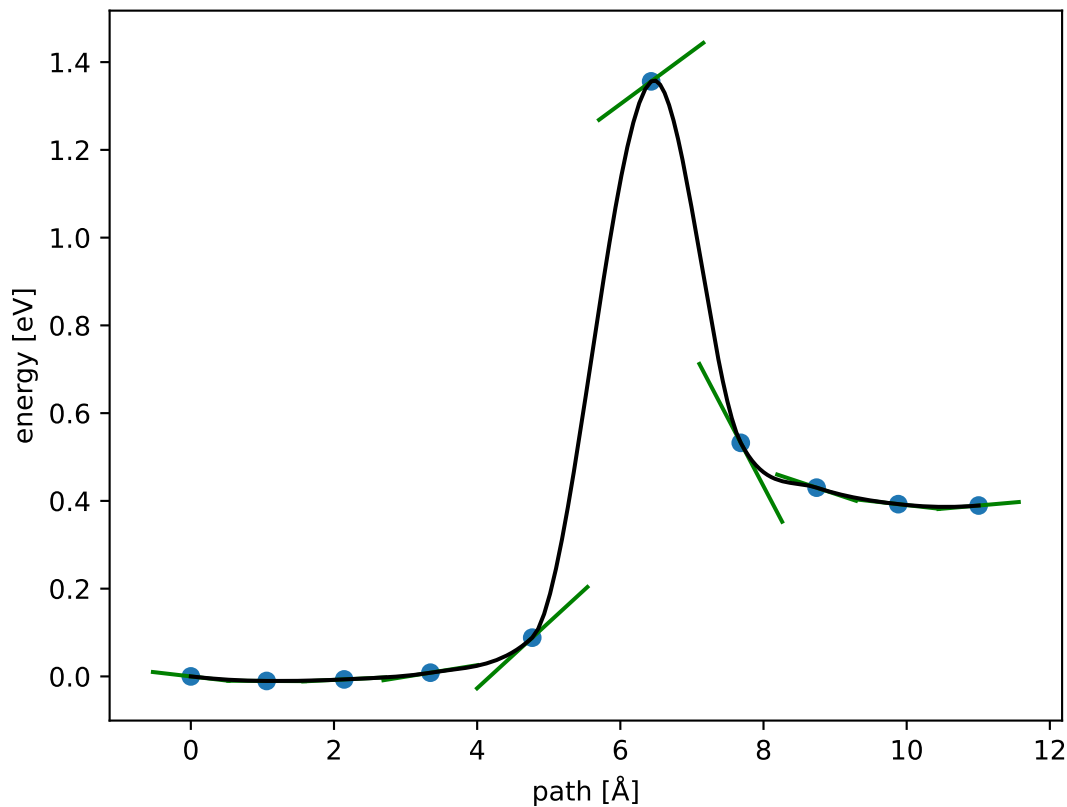
$$E_f \approx 1.364 \text{ eV}; E_r \approx 0.974 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



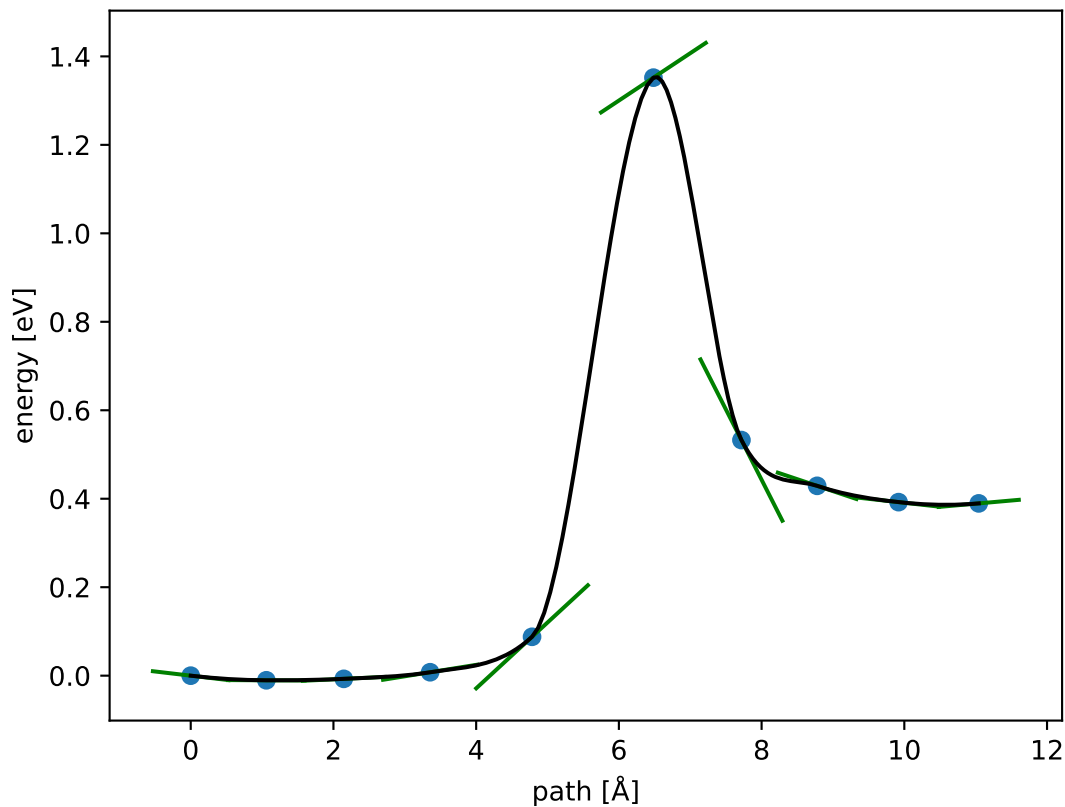
$$E_f \approx 1.360 \text{ eV}; E_r \approx 0.971 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



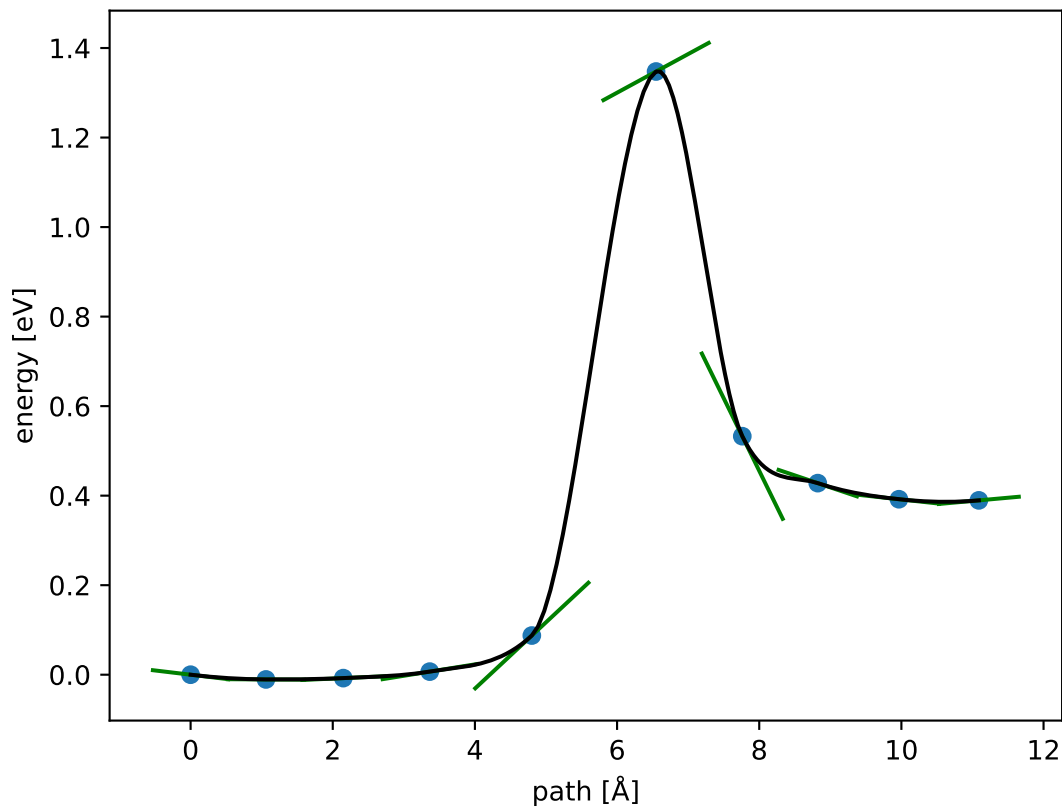
$$E_f \approx 1.356 \text{ eV}; E_r \approx 0.967 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



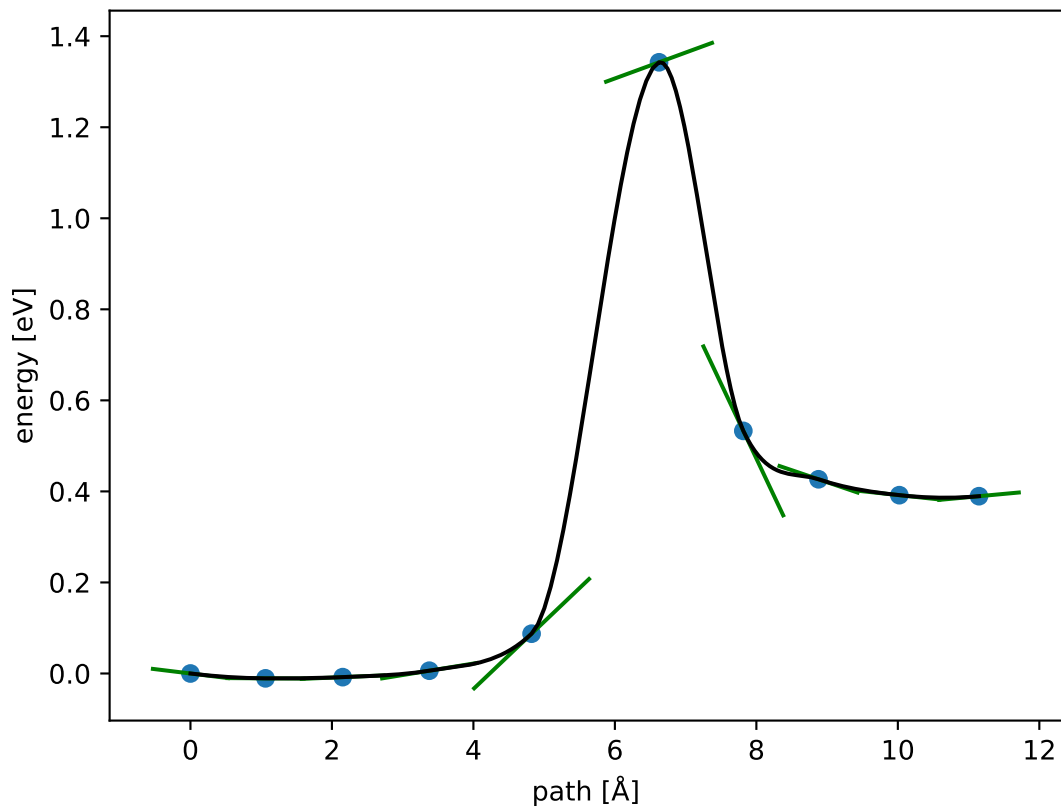
$$E_f \approx 1.352 \text{ eV}; E_r \approx 0.962 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.348 \text{ eV}; E_r \approx 0.958 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

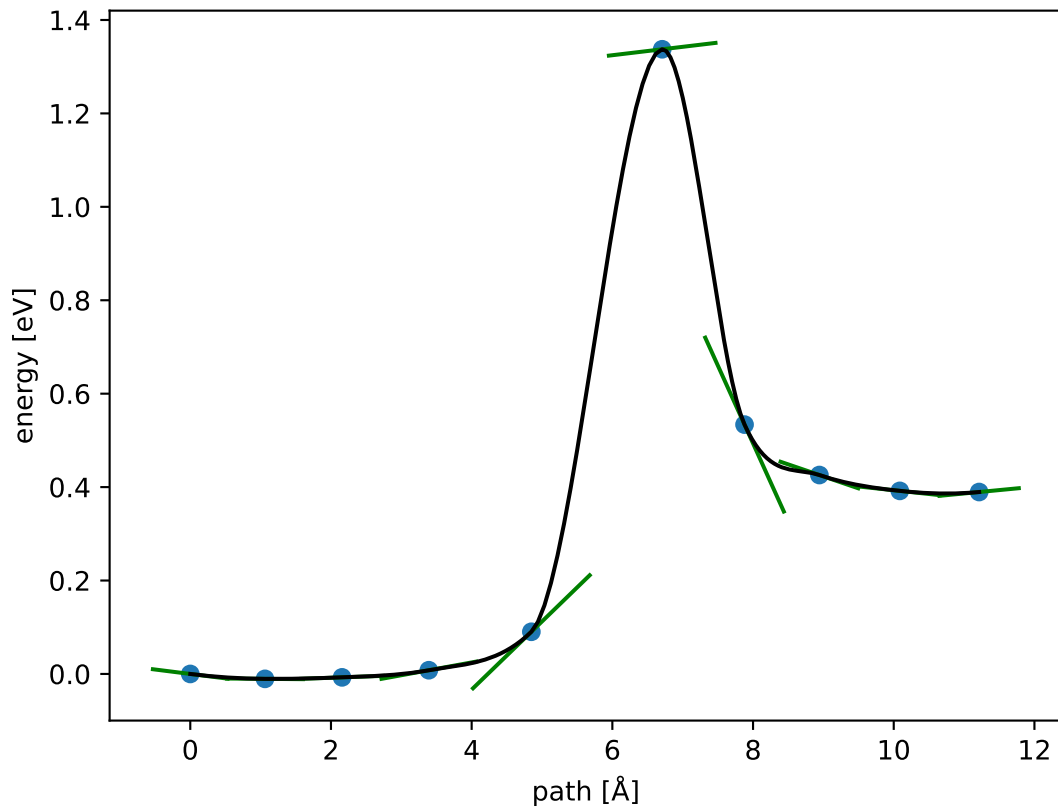


$$E_f \approx 1.343 \text{ eV}; E_r \approx 0.953 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

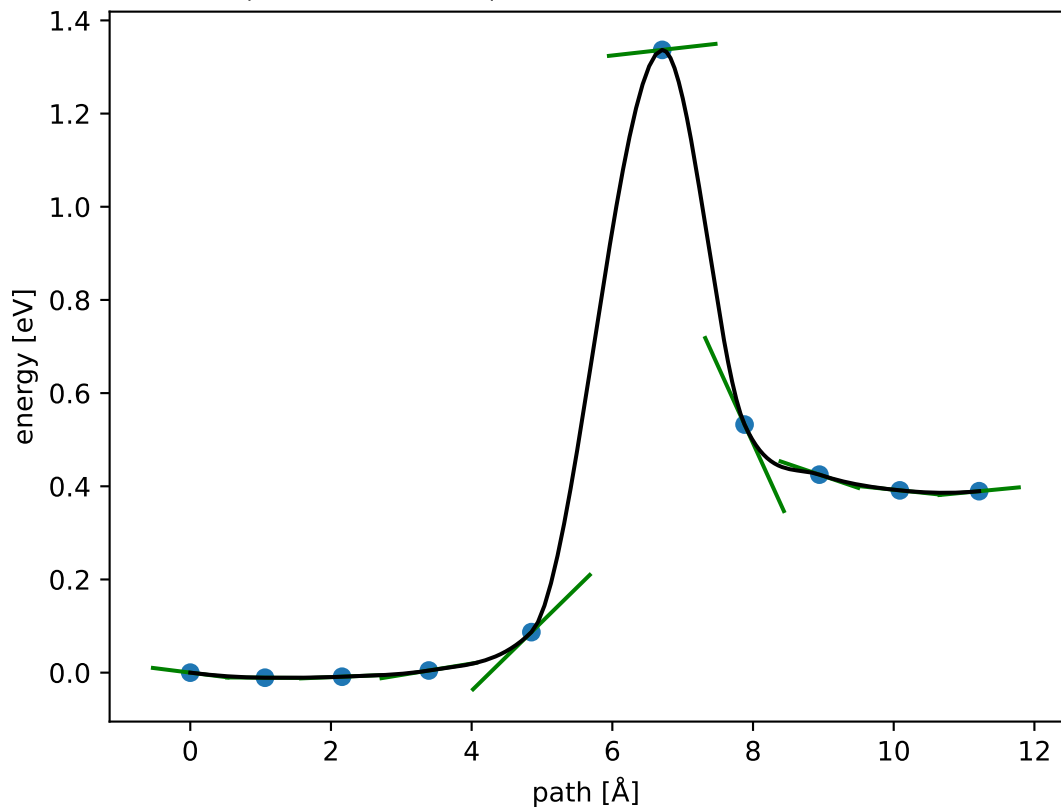




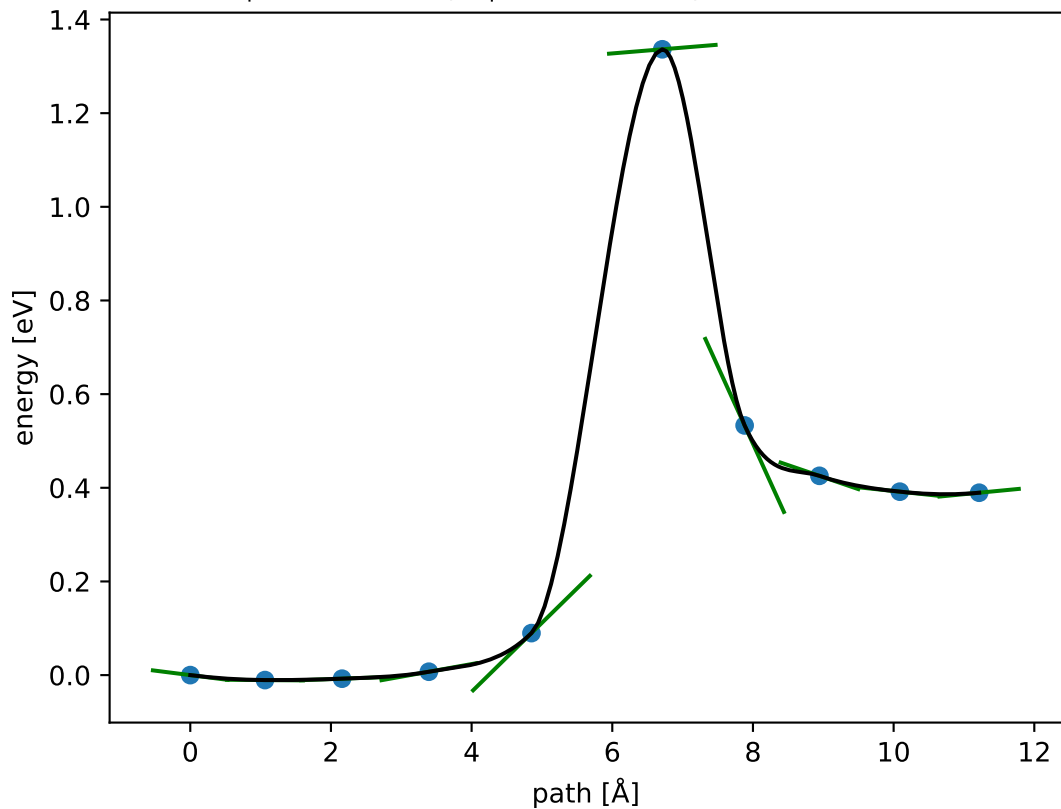
$$E_f \approx 1.337 \text{ eV}; E_r \approx 0.948 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



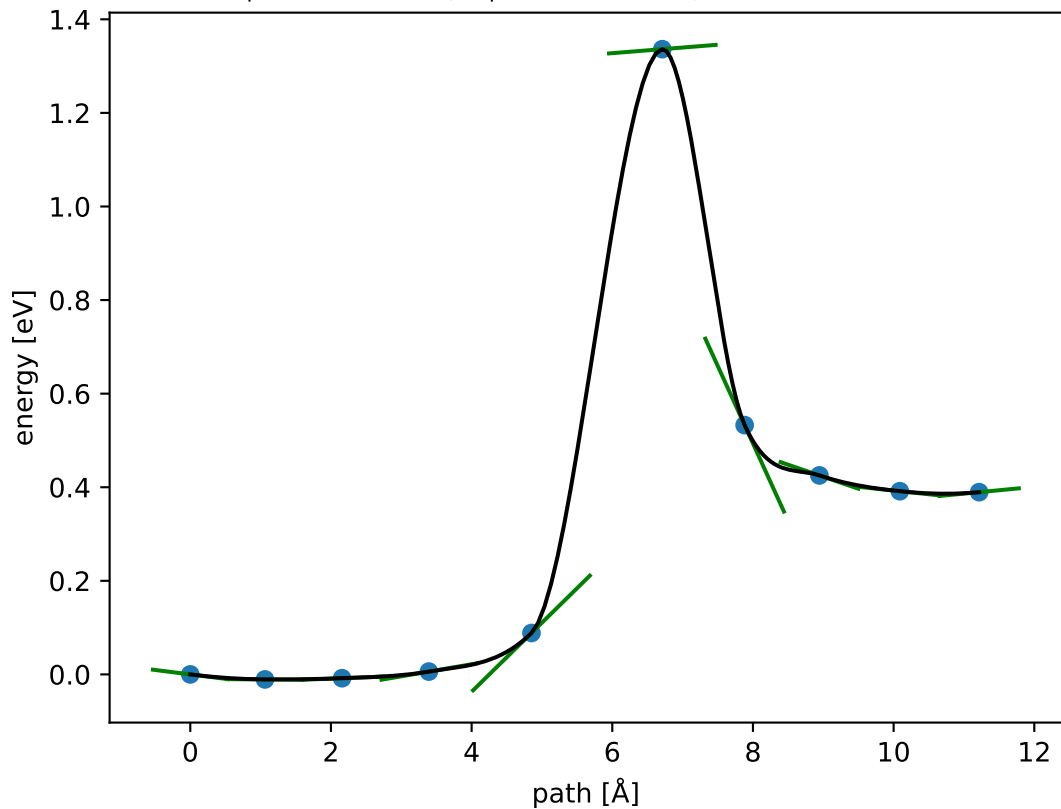
$$E_f \approx 1.337 \text{ eV}; E_r \approx 0.947 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



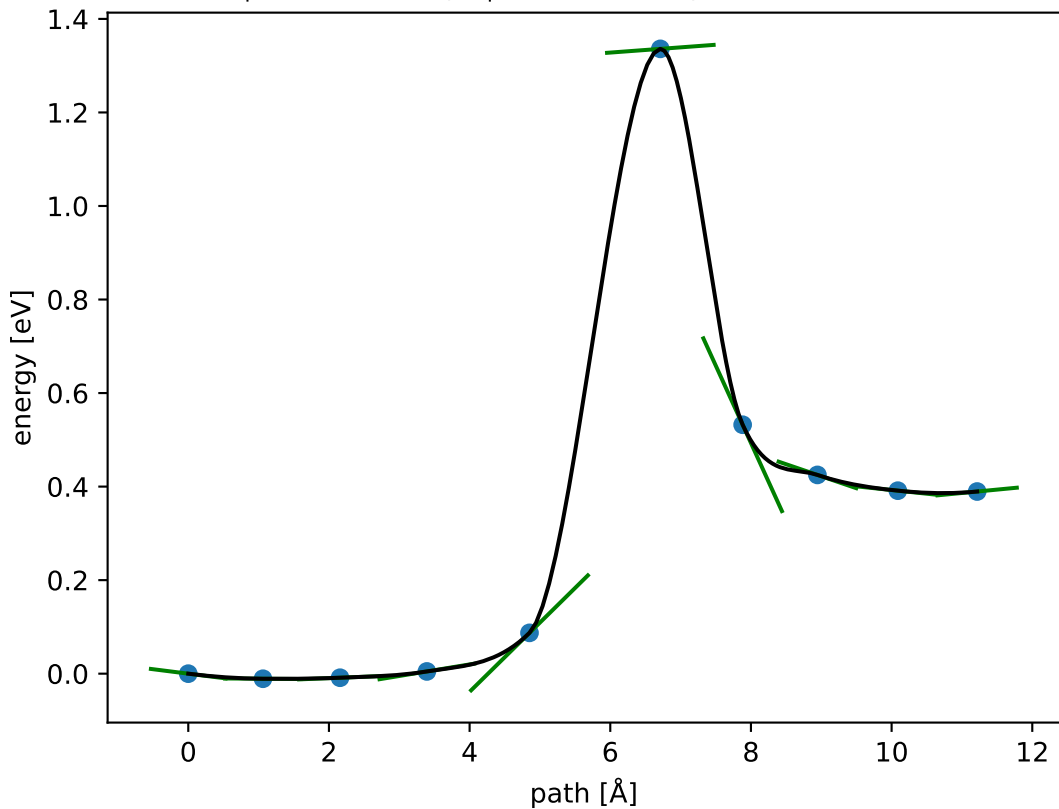
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.947 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



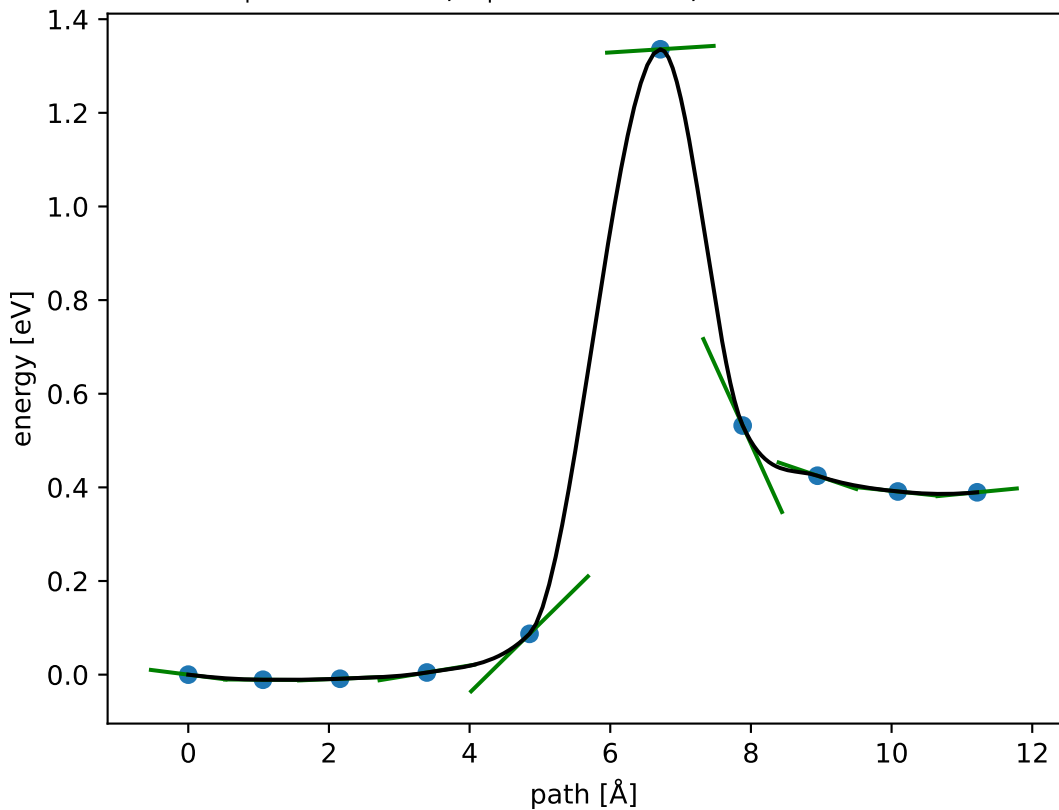
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.947 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



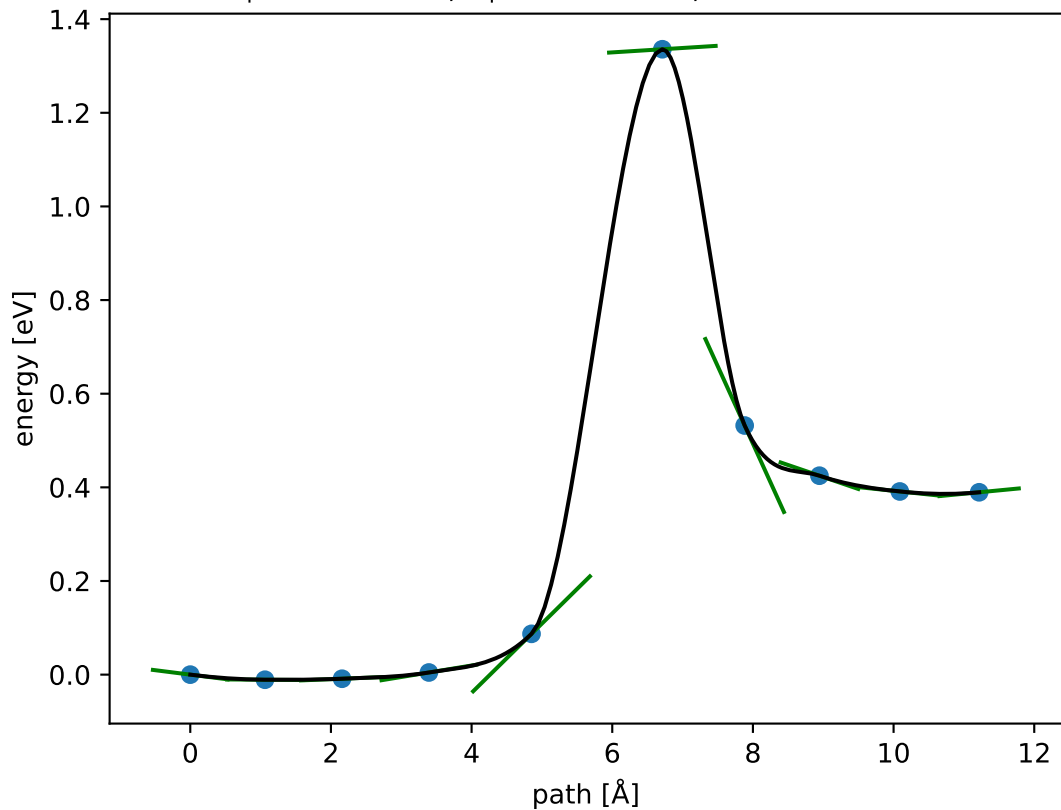
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



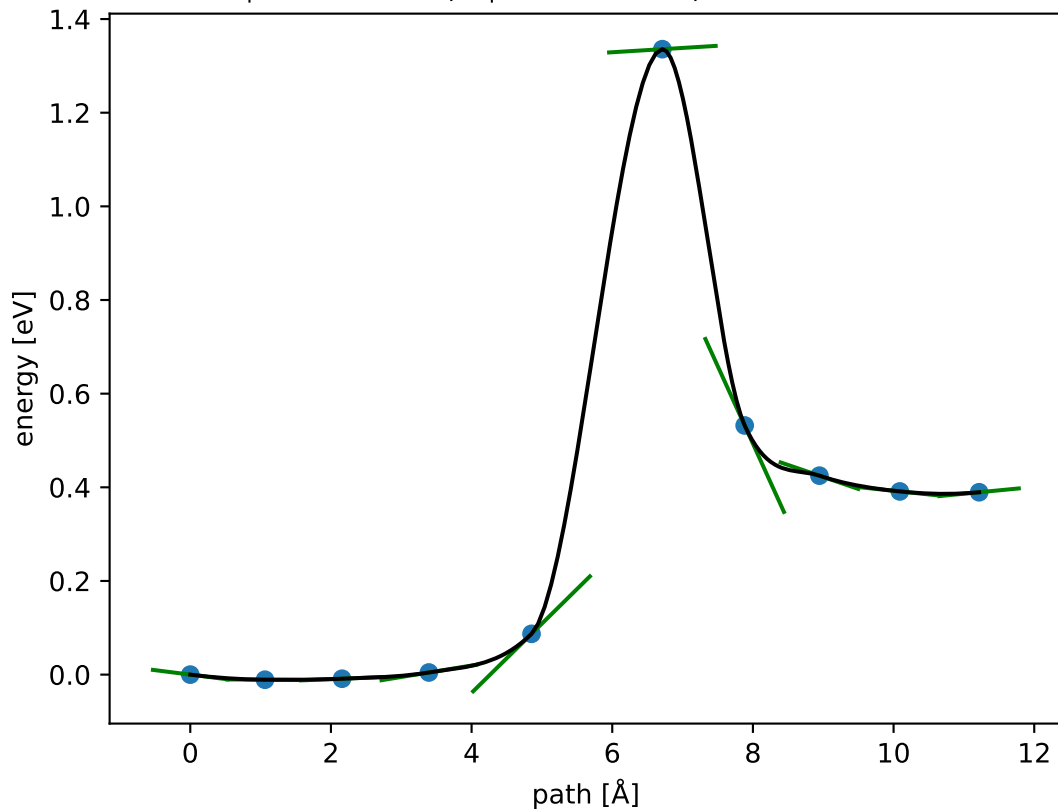
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

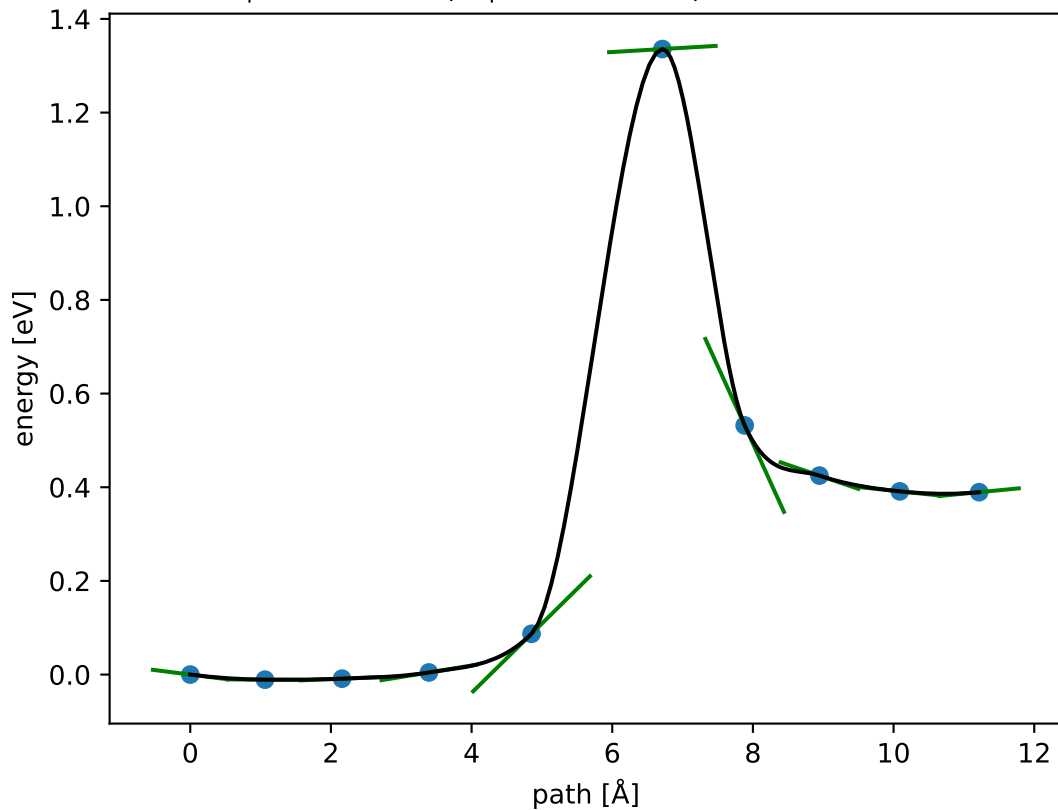


$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

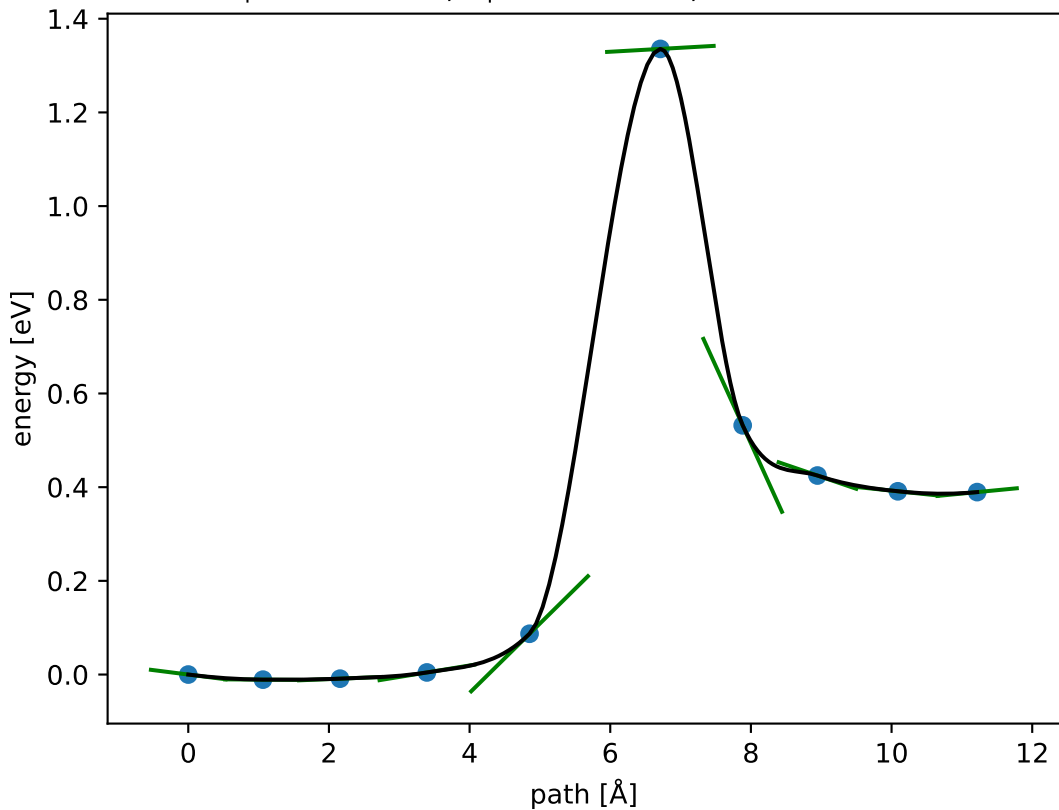




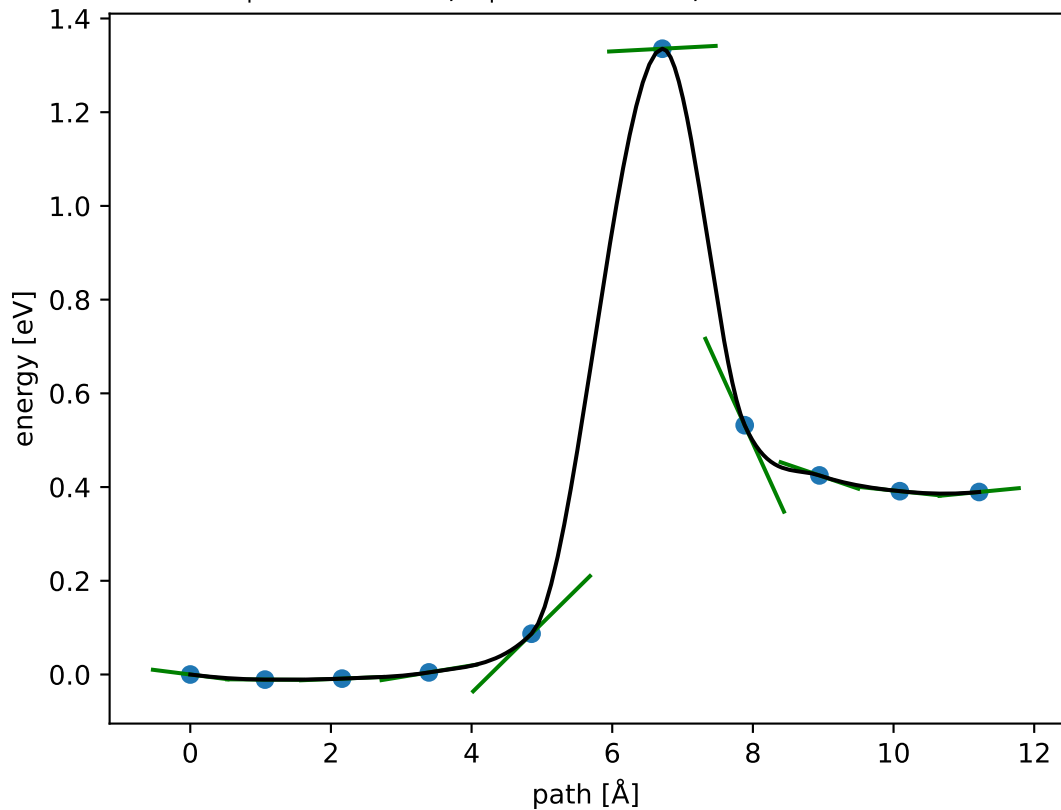
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



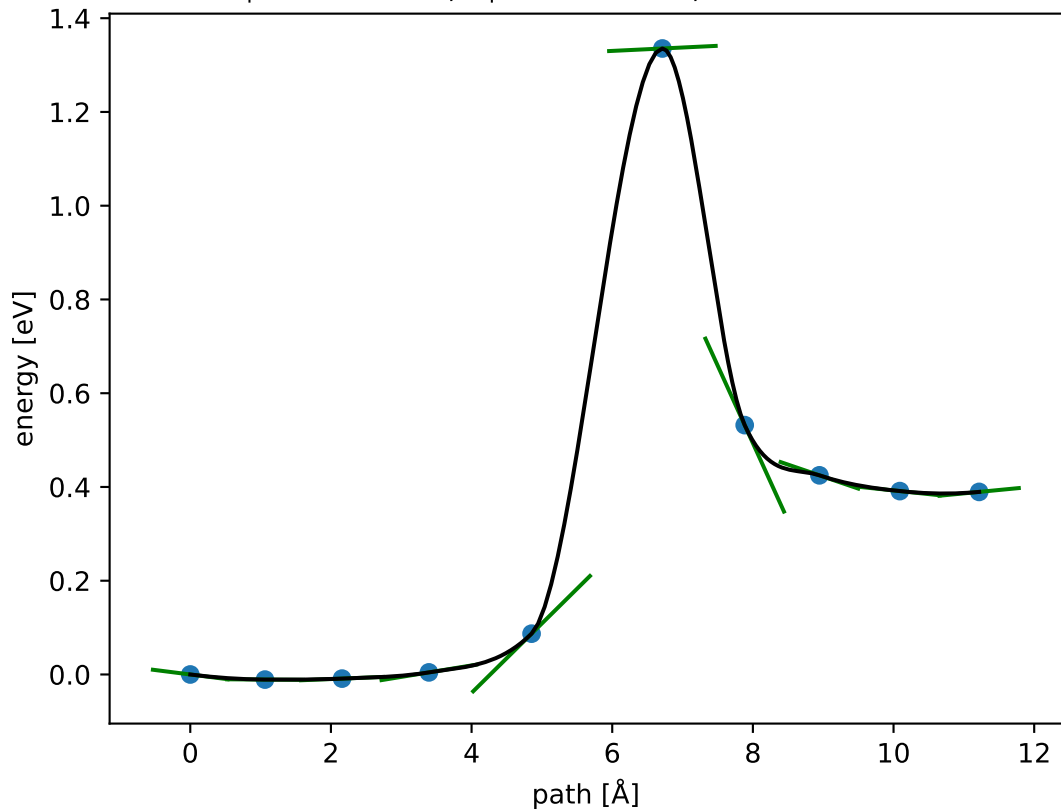
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



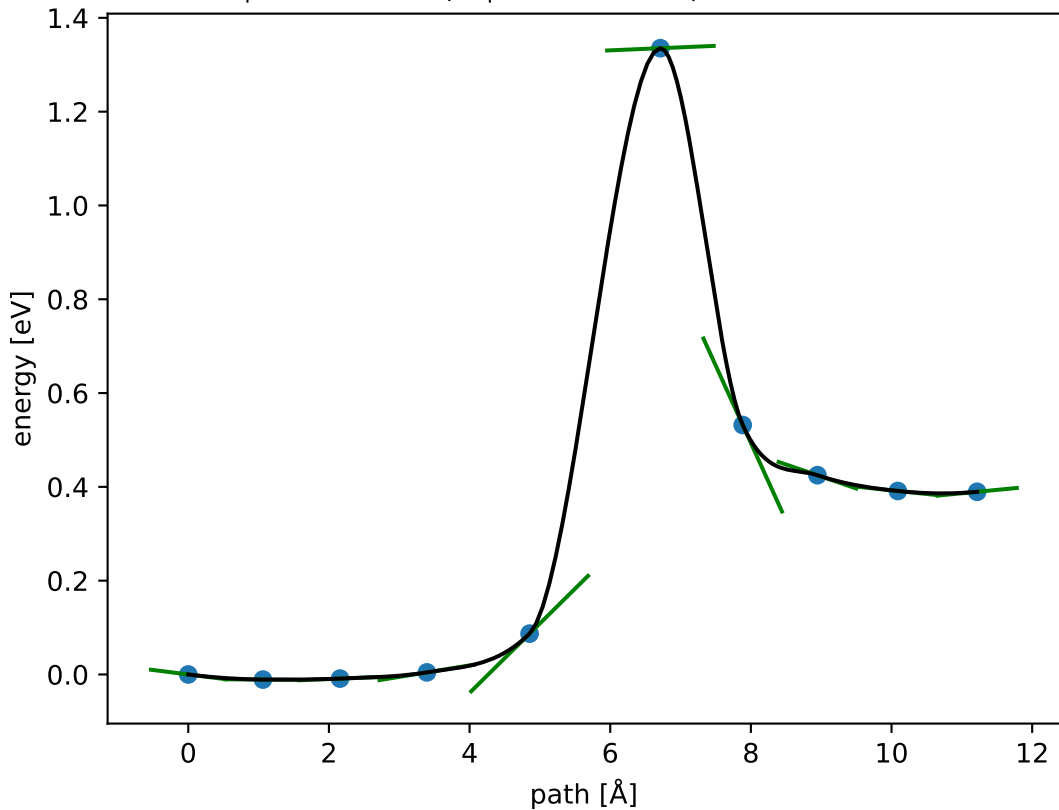
$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



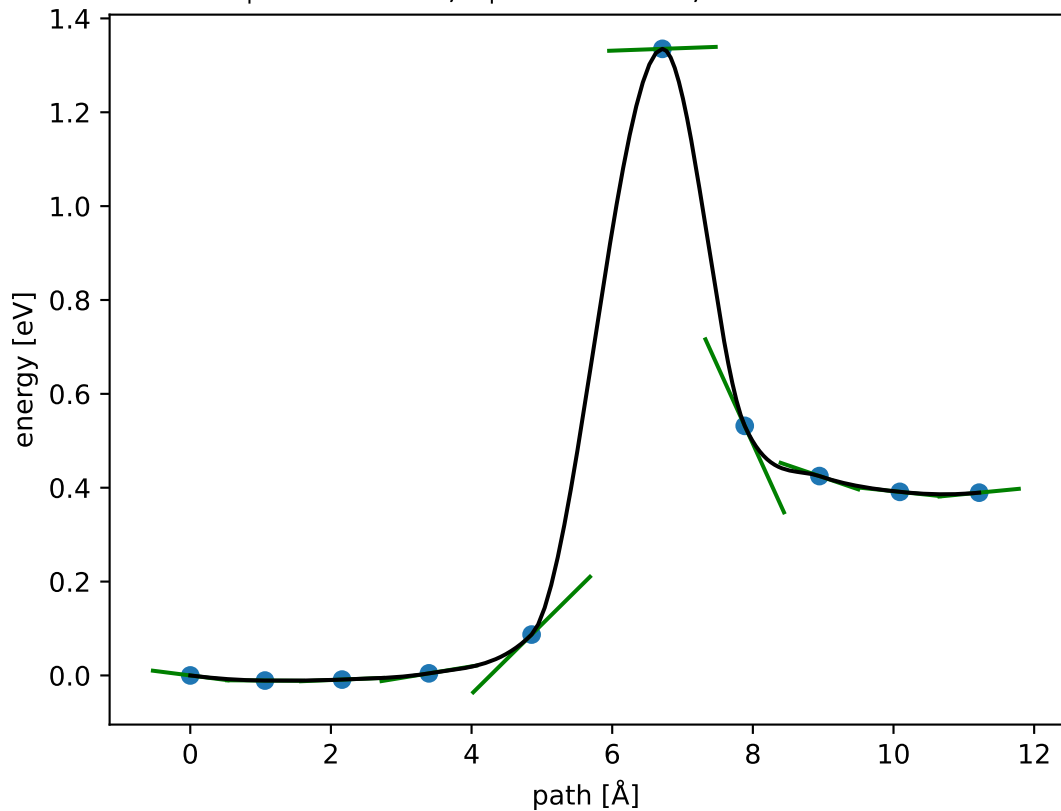
$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



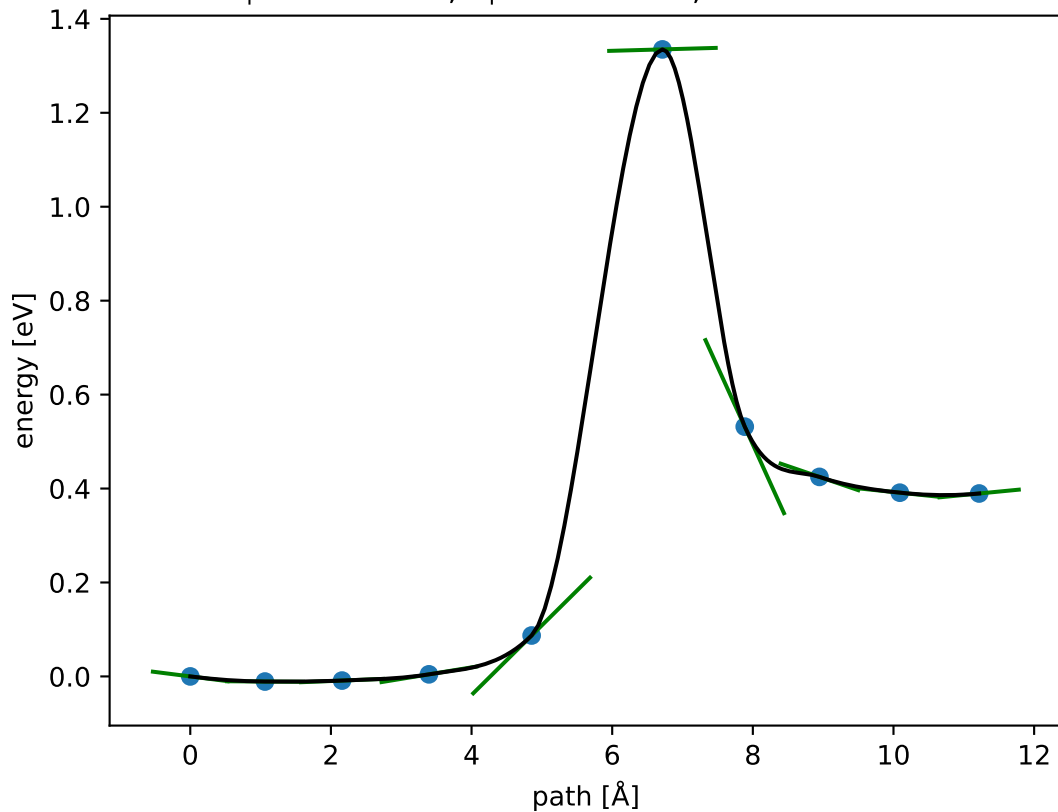
$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



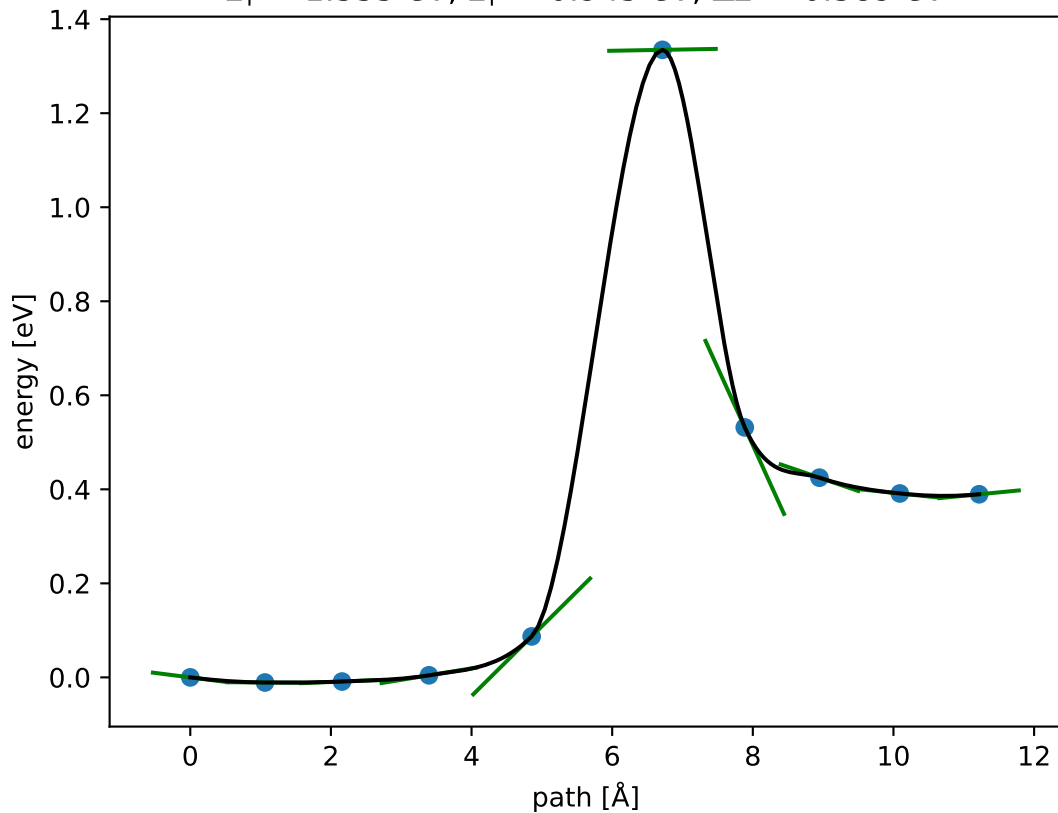
$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.945 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

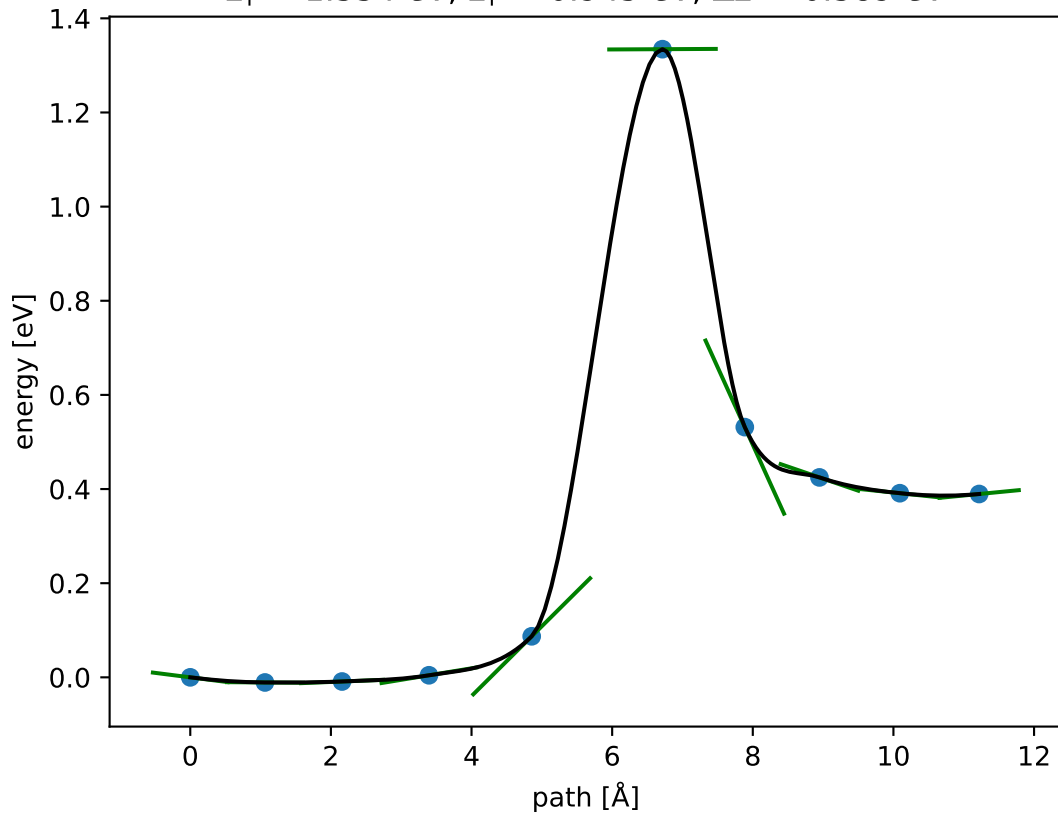


$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.945 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

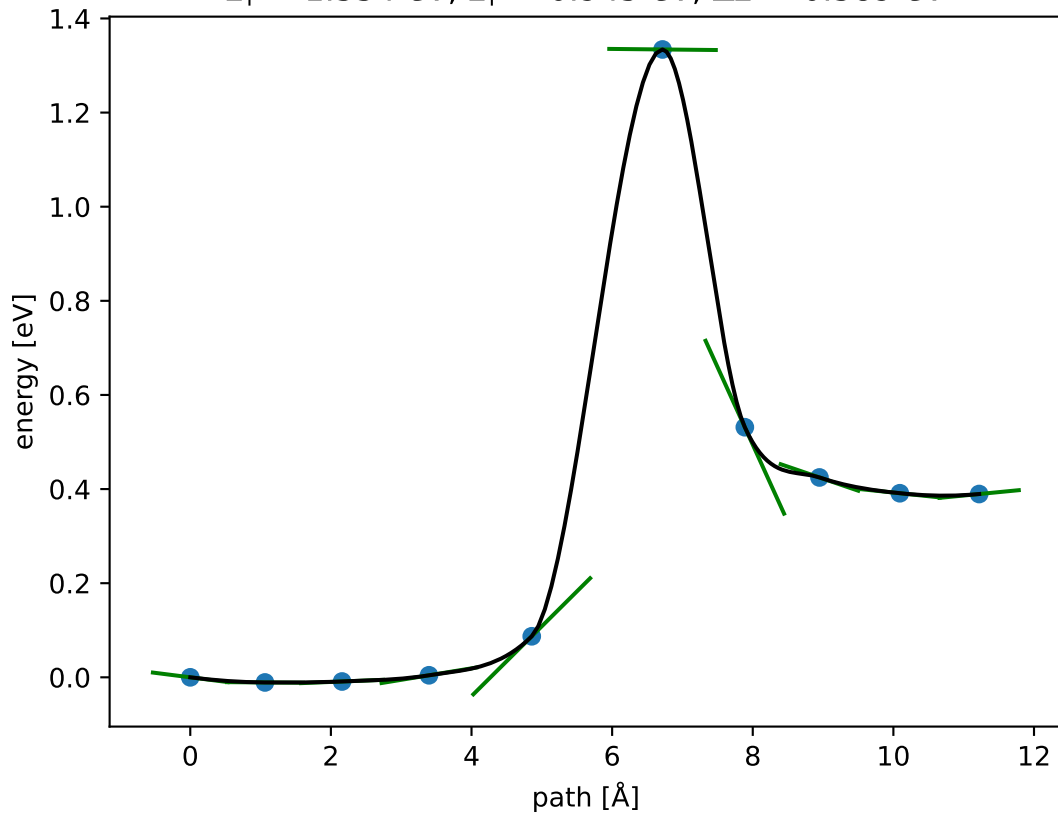




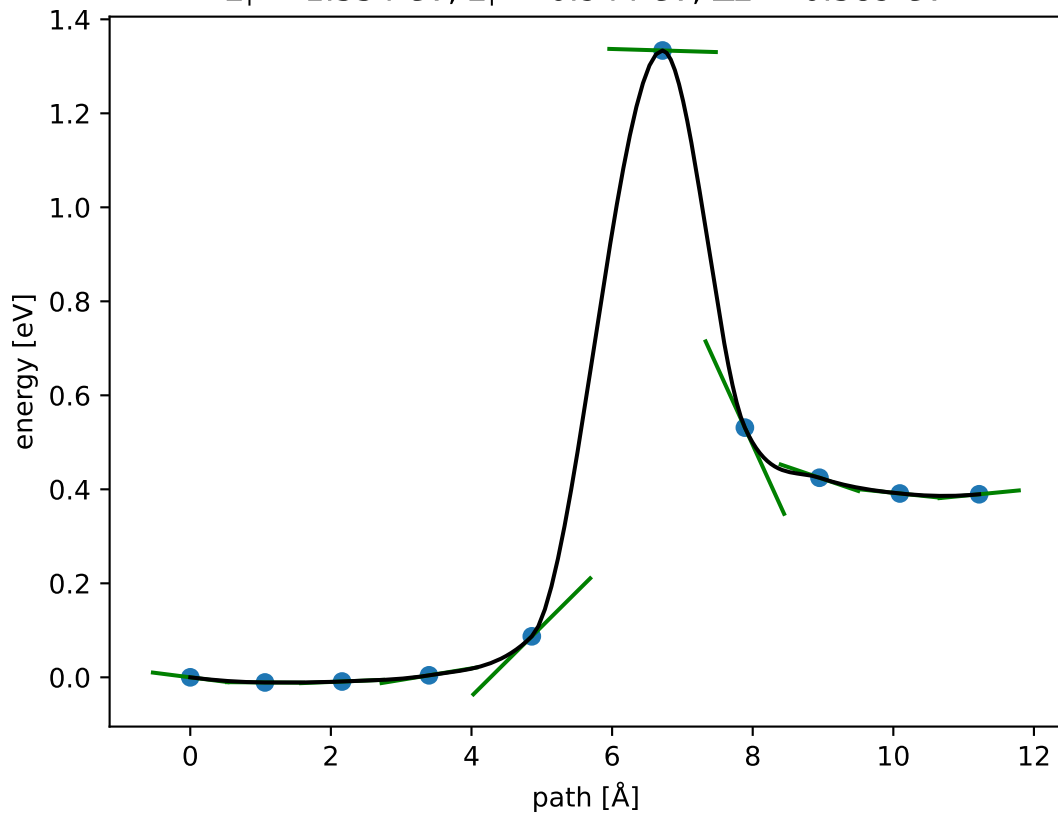
$$E_f \approx 1.334 \text{ eV}; E_r \approx 0.945 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



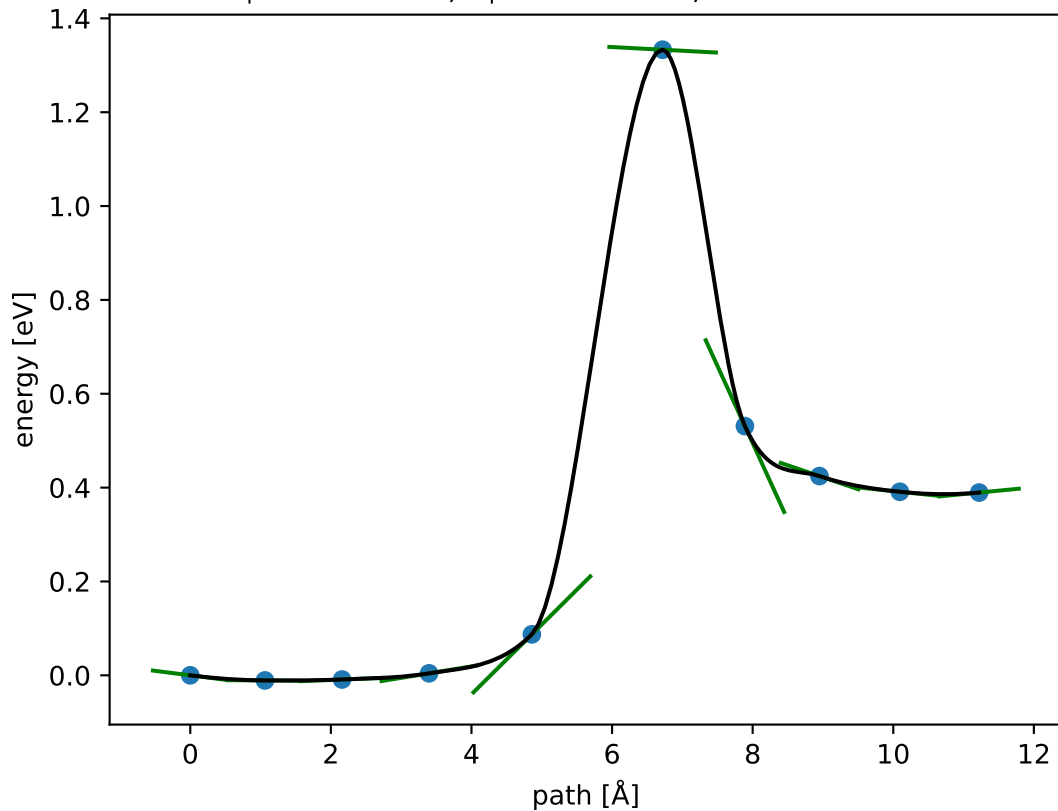
$$E_f \approx 1.334 \text{ eV}; E_r \approx 0.945 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



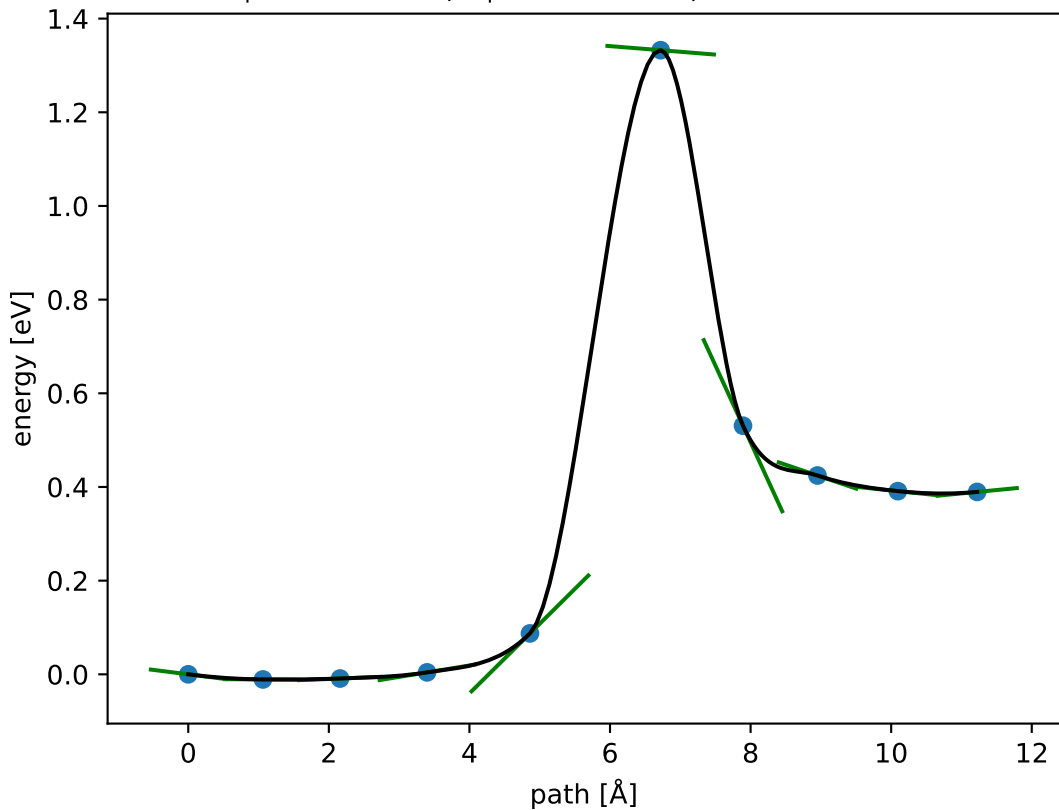
$$E_f \approx 1.334 \text{ eV}; E_r \approx 0.944 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



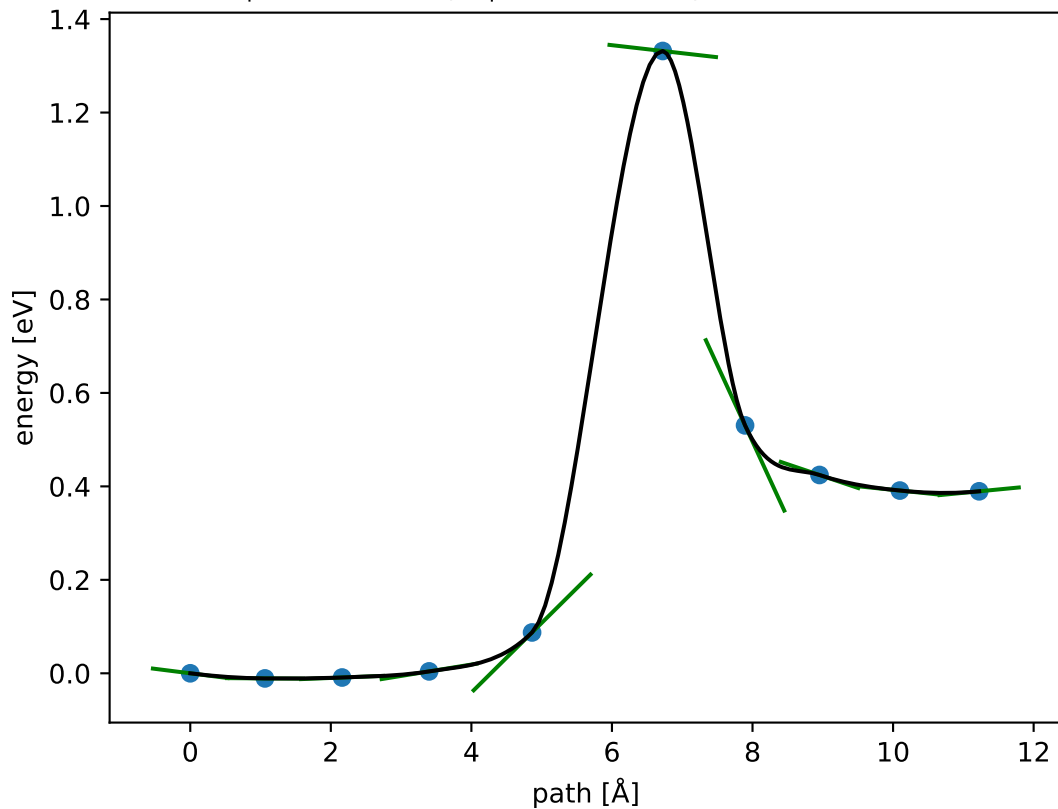
$$E_f \approx 1.333 \text{ eV}; E_r \approx 0.944 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



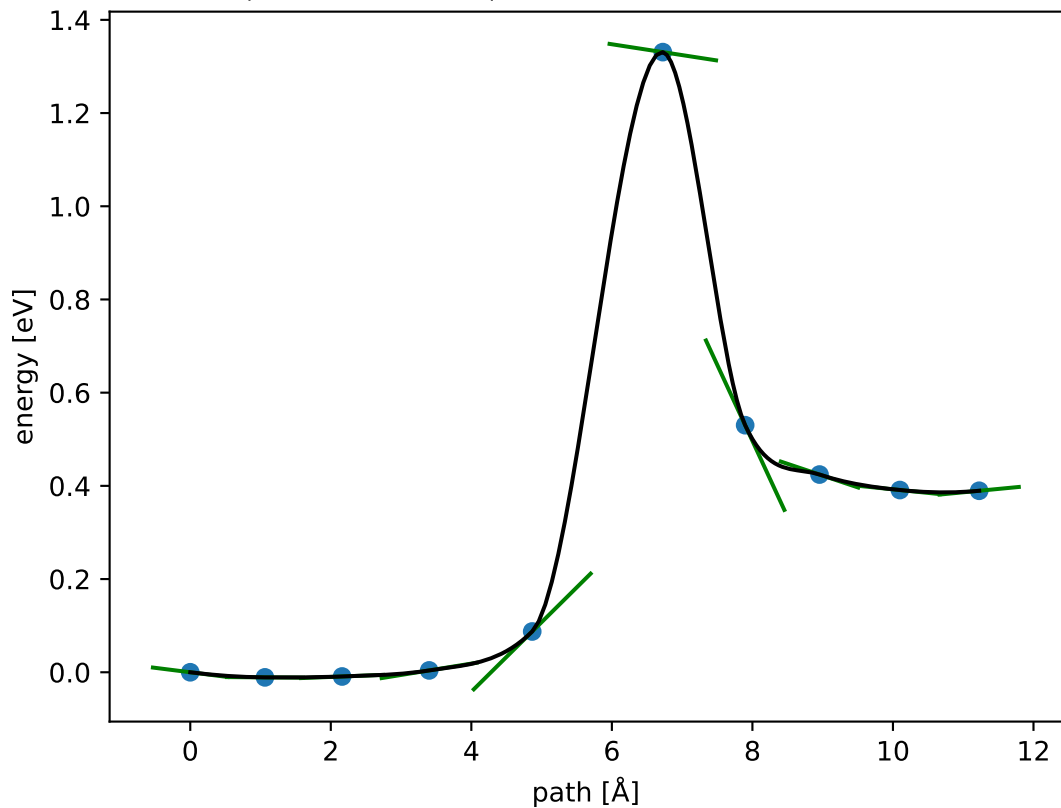
$$E_f \approx 1.333 \text{ eV}; E_r \approx 0.943 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



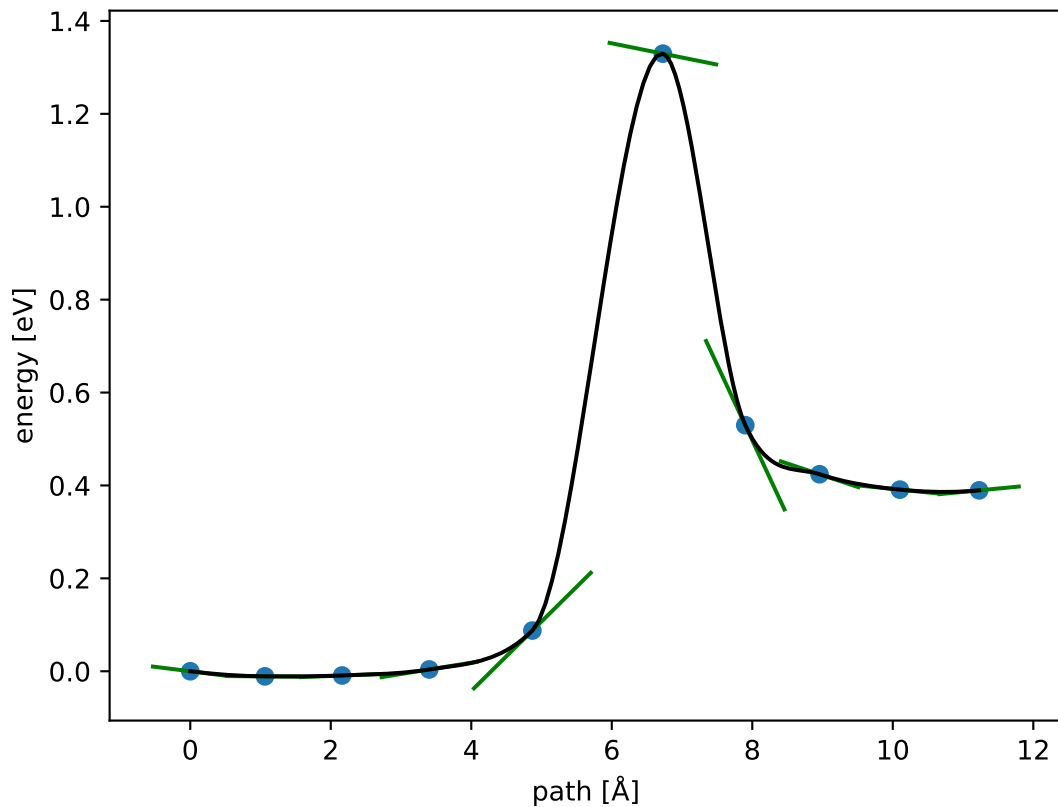
$$E_f \approx 1.332 \text{ eV}; E_r \approx 0.942 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.331 \text{ eV}; E_r \approx 0.941 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

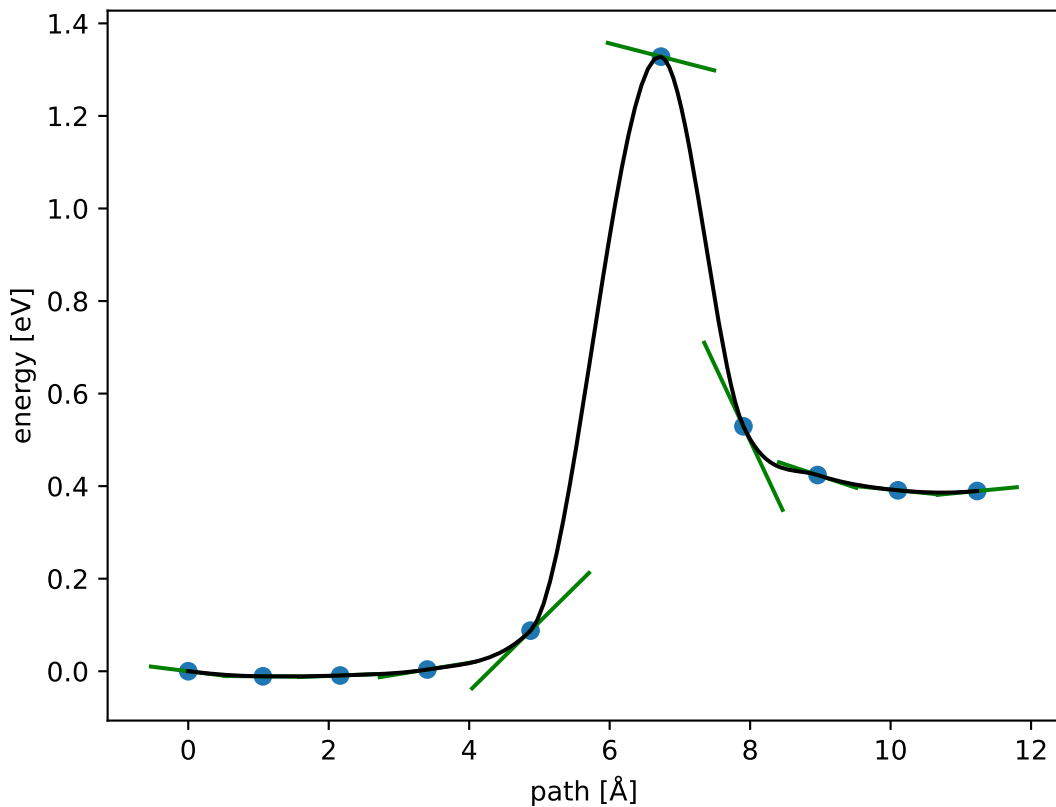


$$E_f \approx 1.330 \text{ eV}; E_r \approx 0.940 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

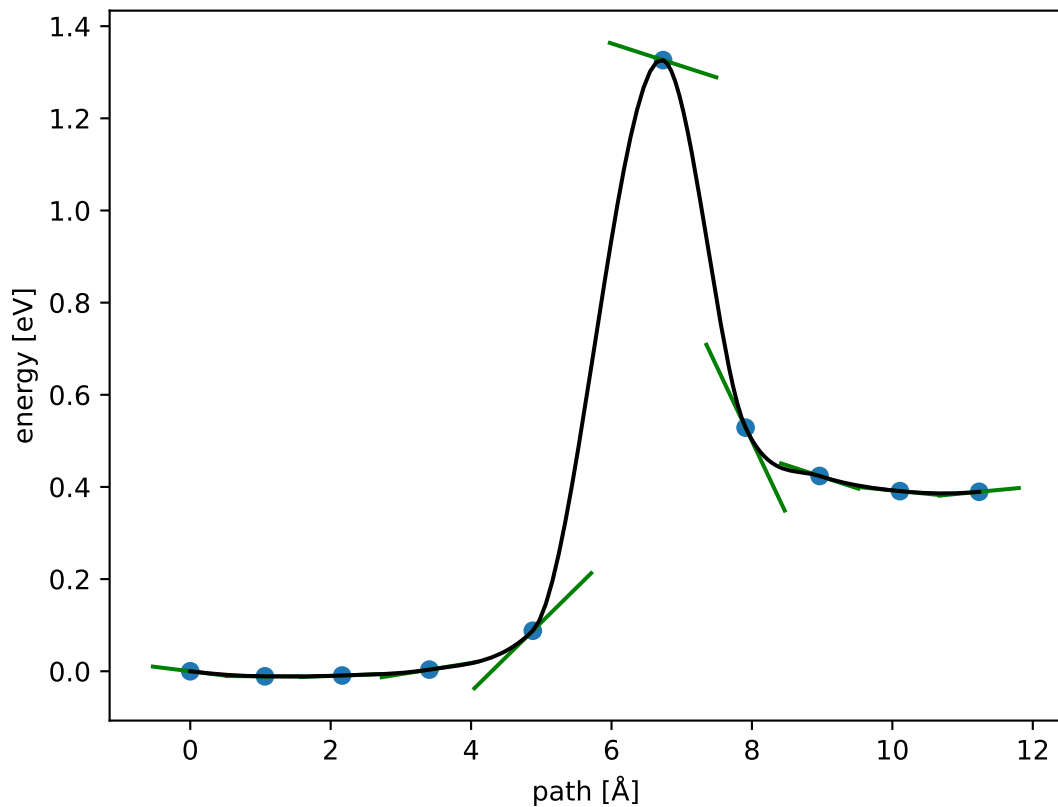




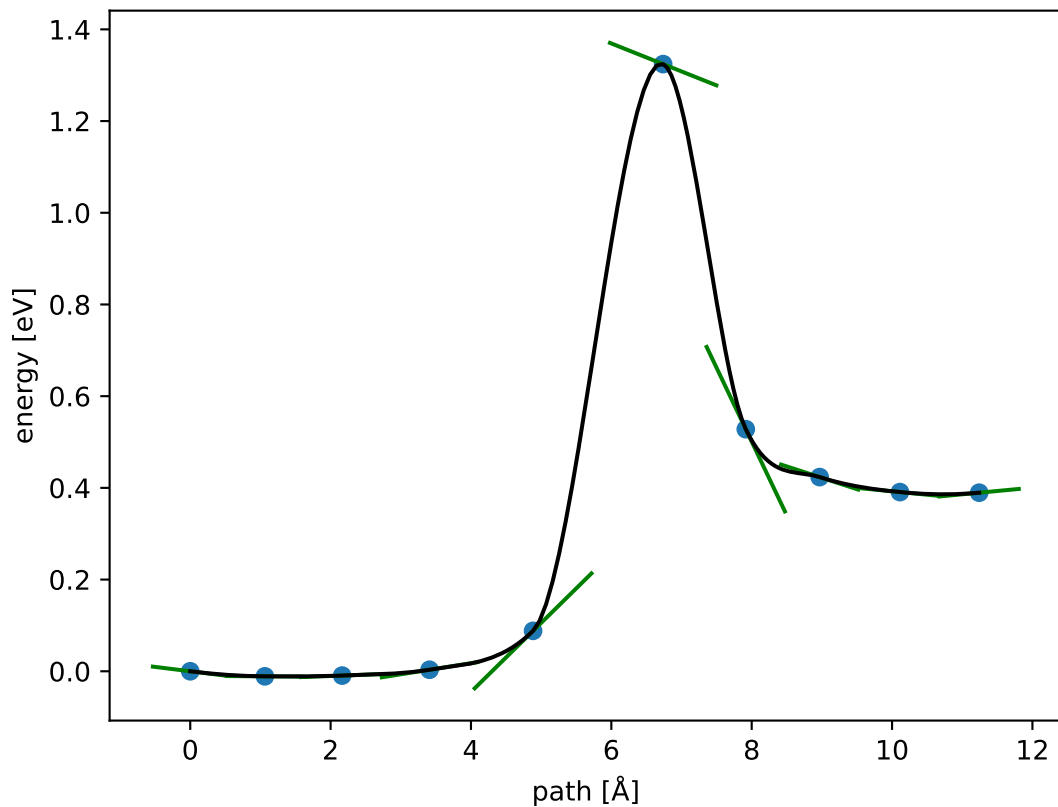
$$E_f \approx 1.328 \text{ eV}; E_r \approx 0.939 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



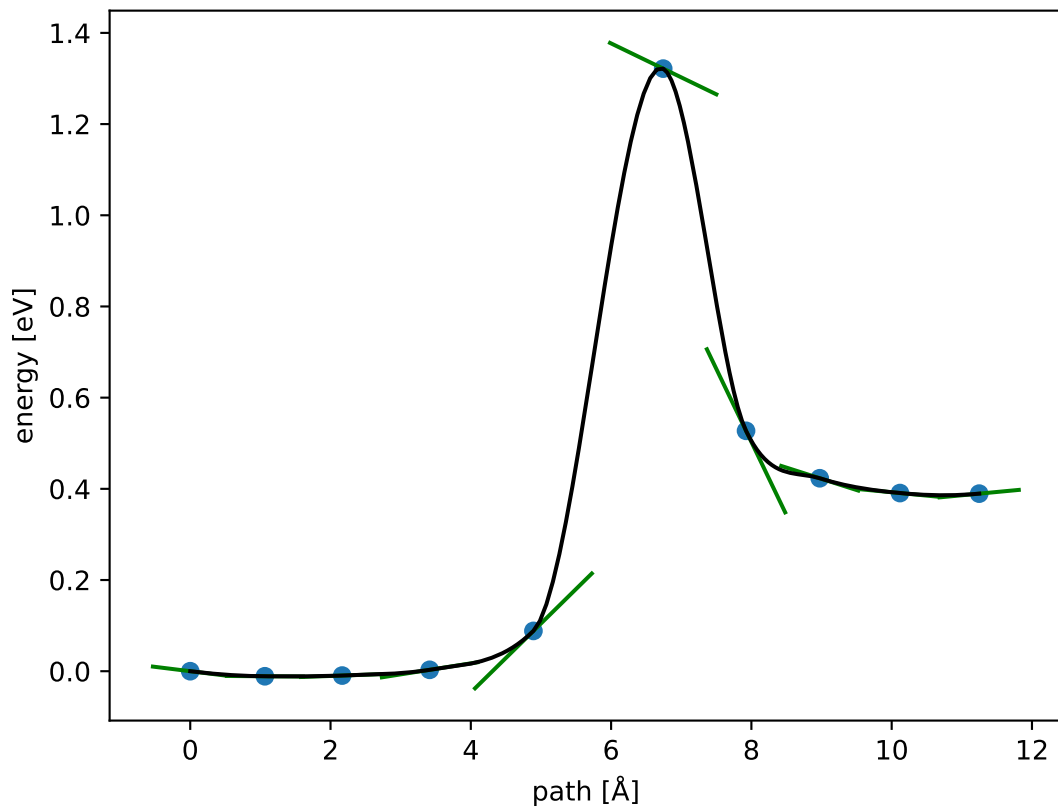
$$E_f \approx 1.326 \text{ eV}; E_r \approx 0.937 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



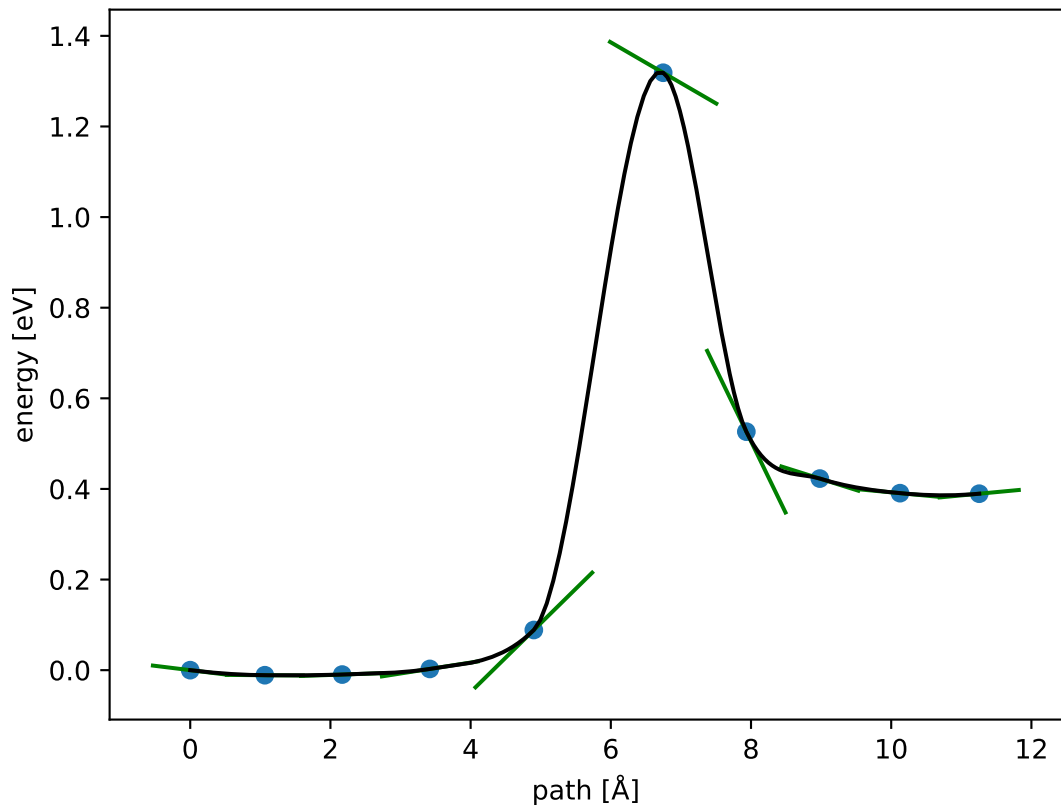
$$E_f \approx 1.324 \text{ eV}; E_r \approx 0.935 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



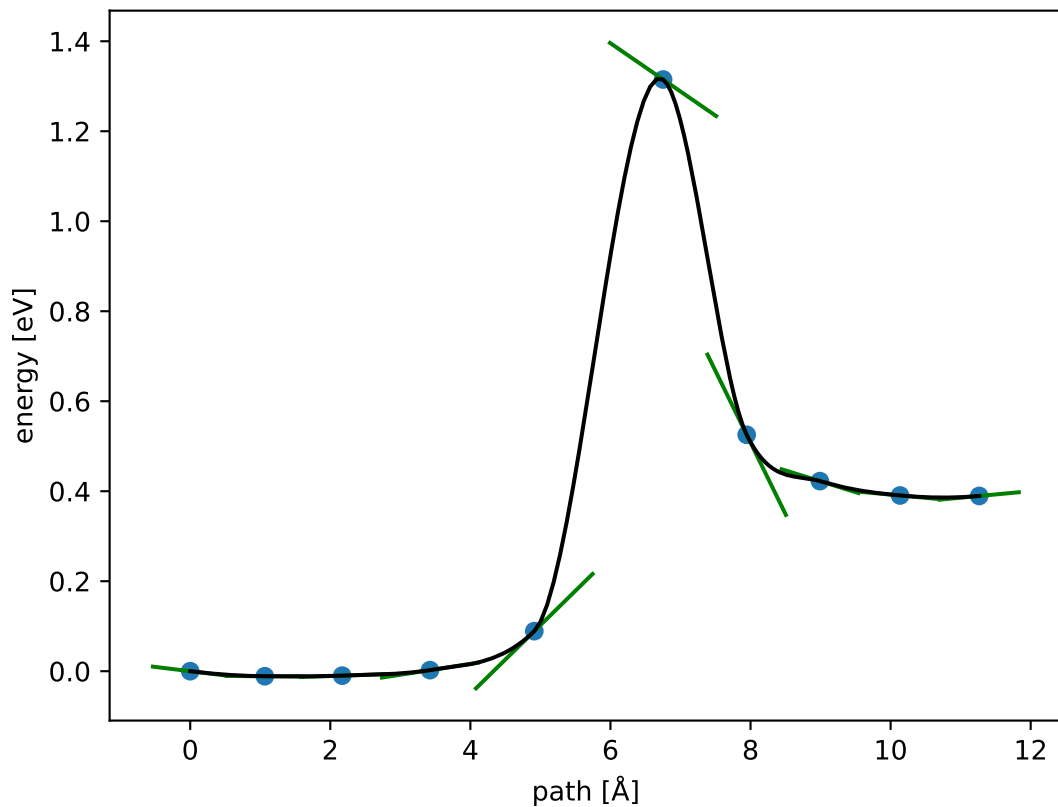
$$E_f \approx 1.322 \text{ eV}; E_r \approx 0.932 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



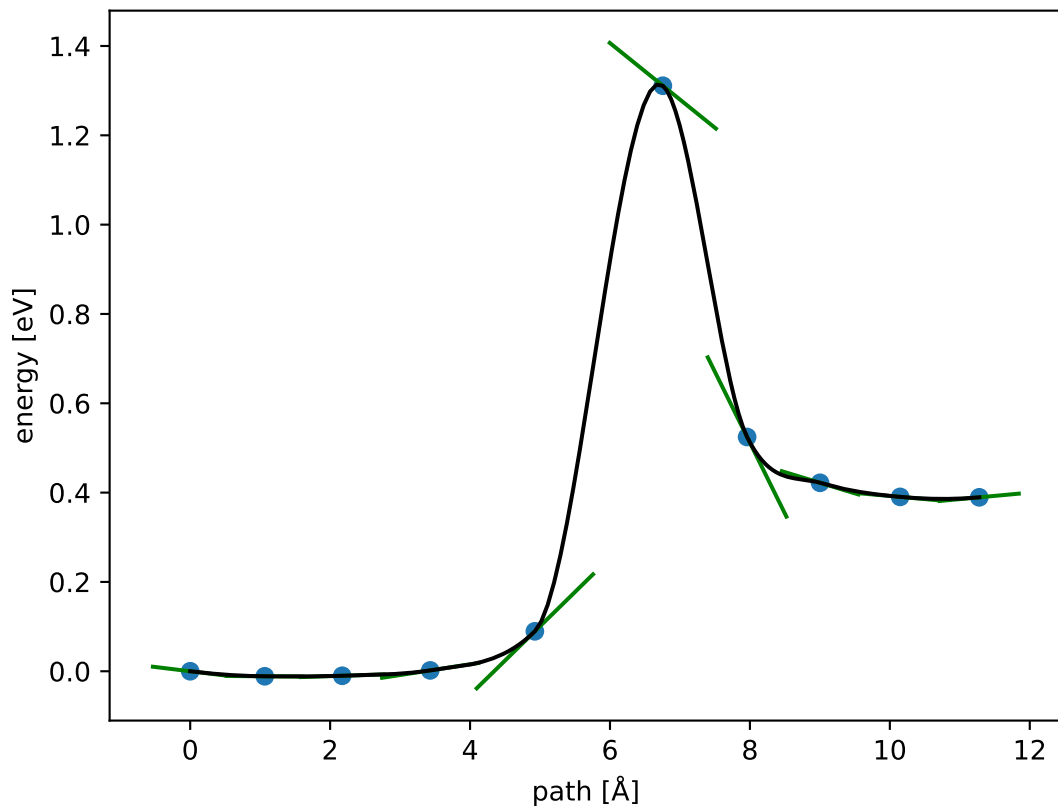
$$E_f \approx 1.319 \text{ eV}; E_r \approx 0.929 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



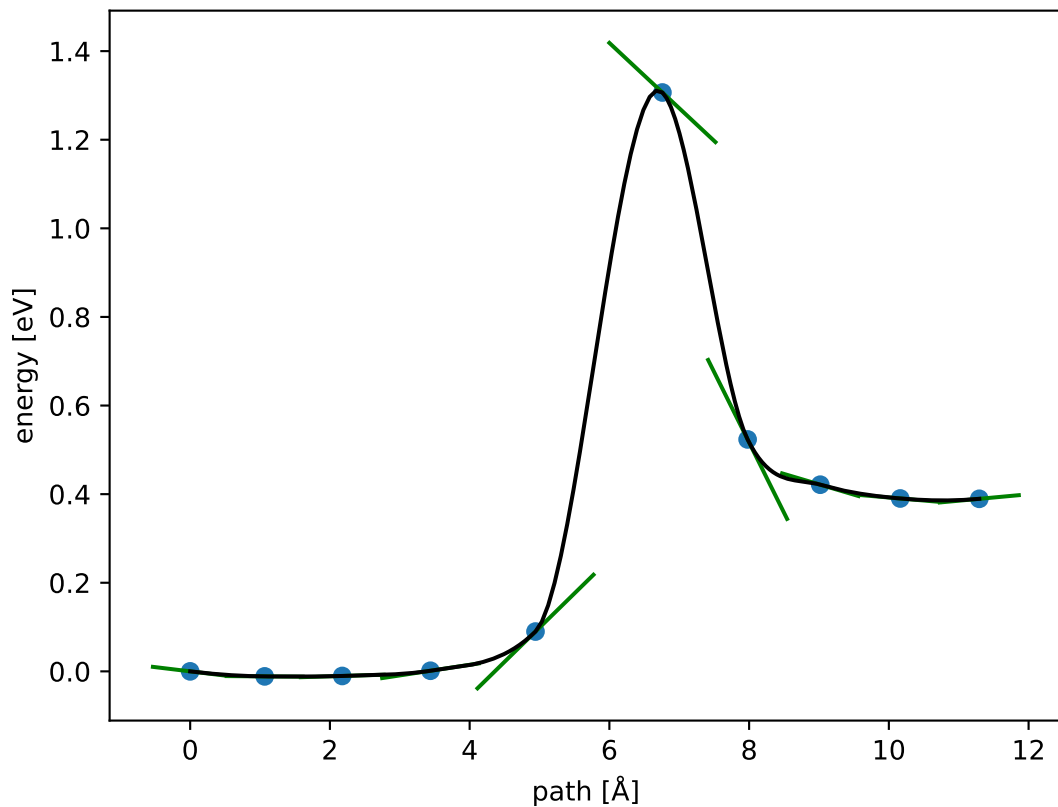
$$E_f \approx 1.315 \text{ eV}; E_r \approx 0.926 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.311 \text{ eV}; E_r \approx 0.922 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

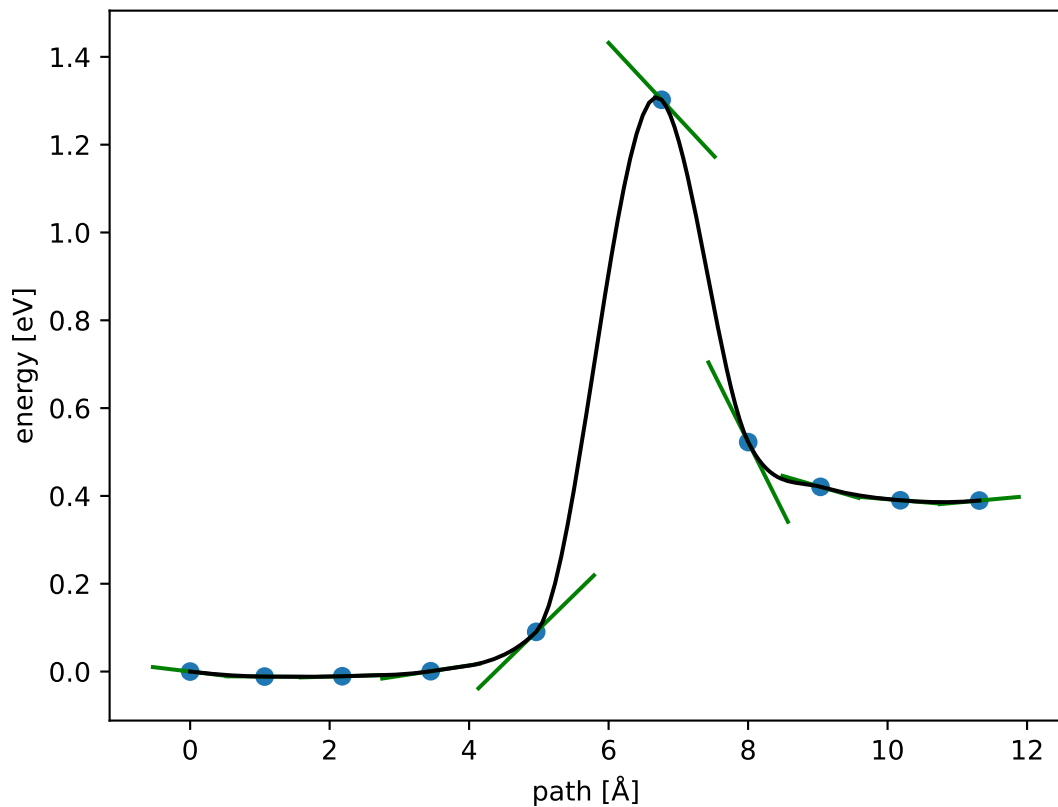


$$E_f \approx 1.307 \text{ eV}; E_r \approx 0.917 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

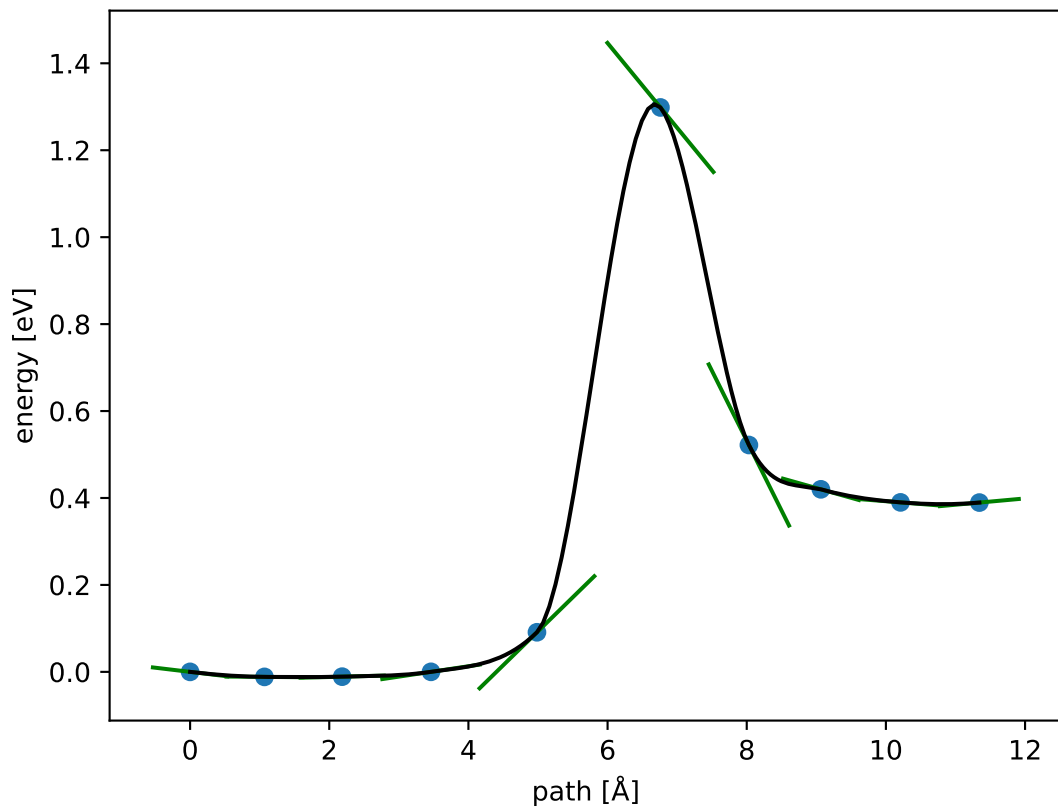




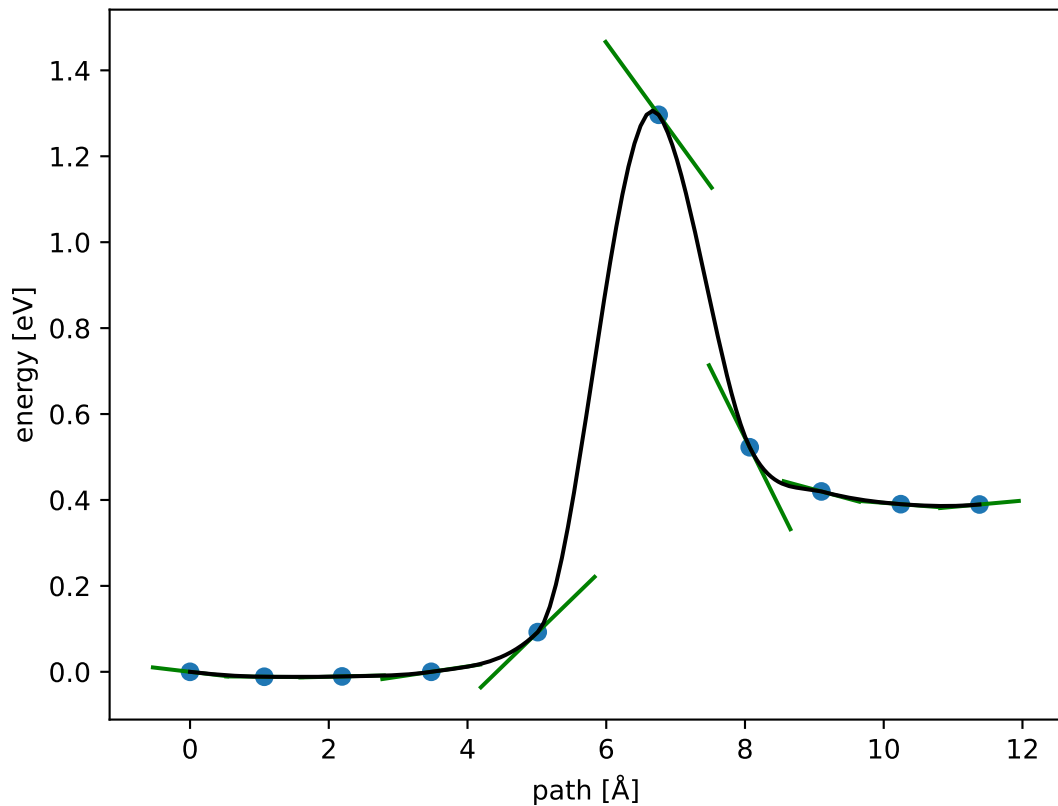
$$E_f \approx 1.302 \text{ eV}; E_r \approx 0.913 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



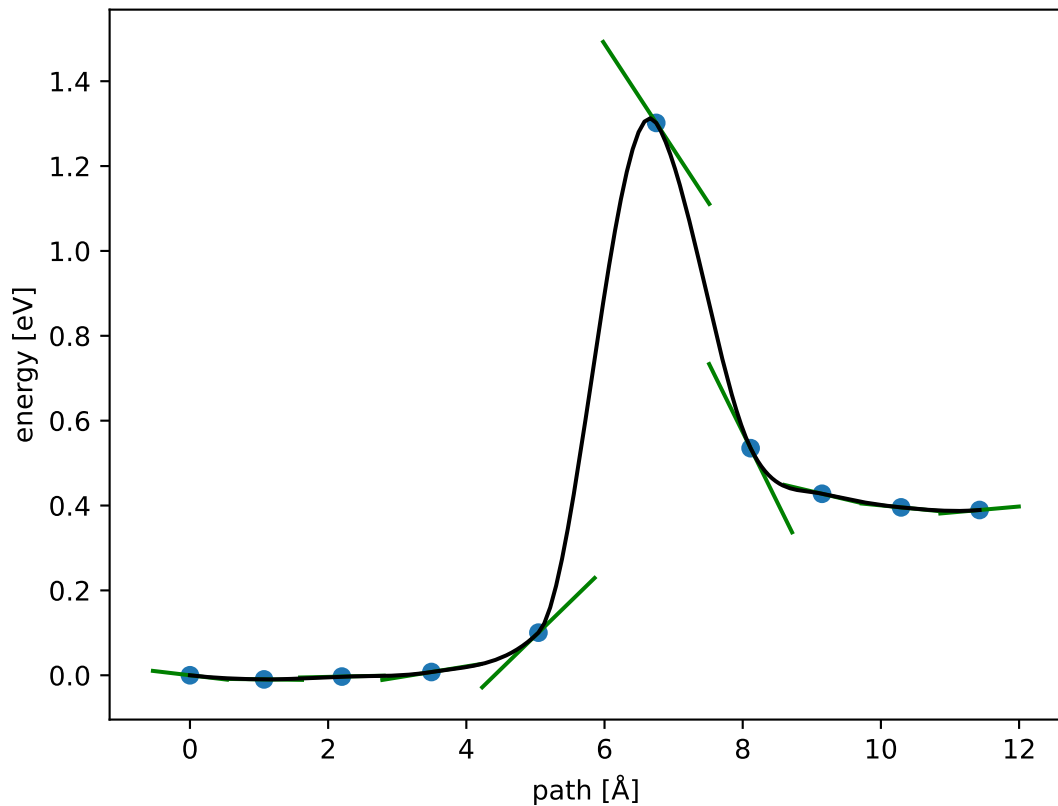
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



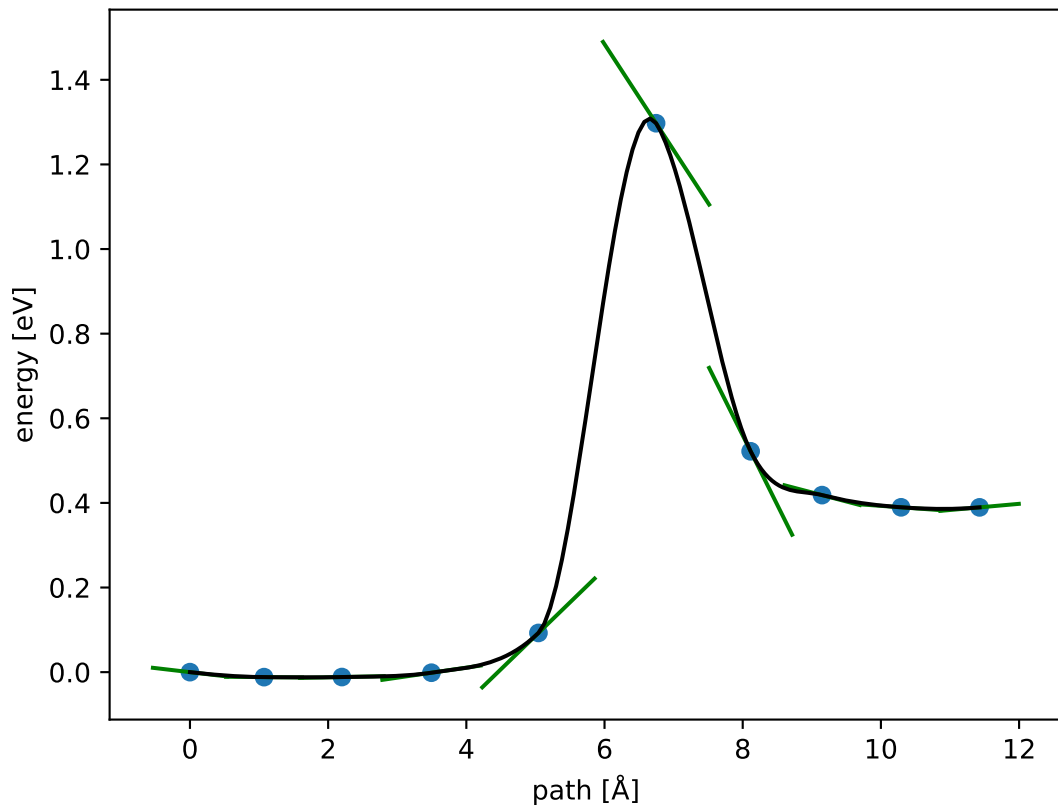
$$E_f \approx 1.297 \text{ eV}; E_r \approx 0.907 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



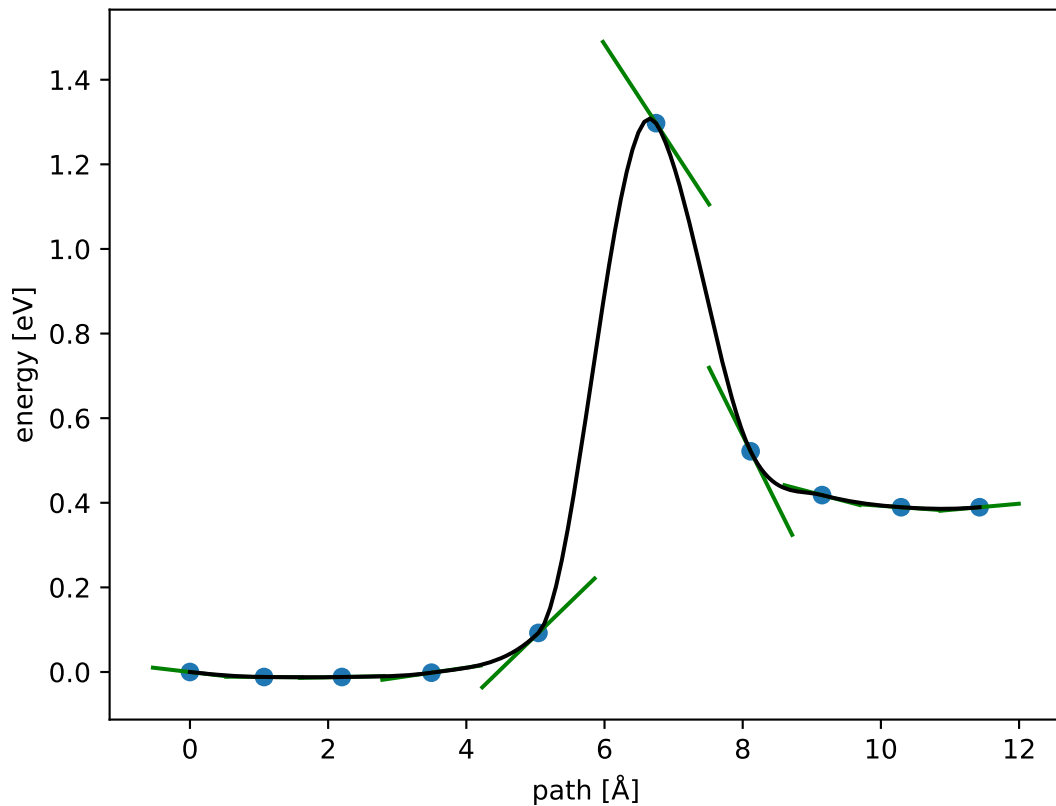
$$E_f \approx 1.302 \text{ eV}; E_r \approx 0.912 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



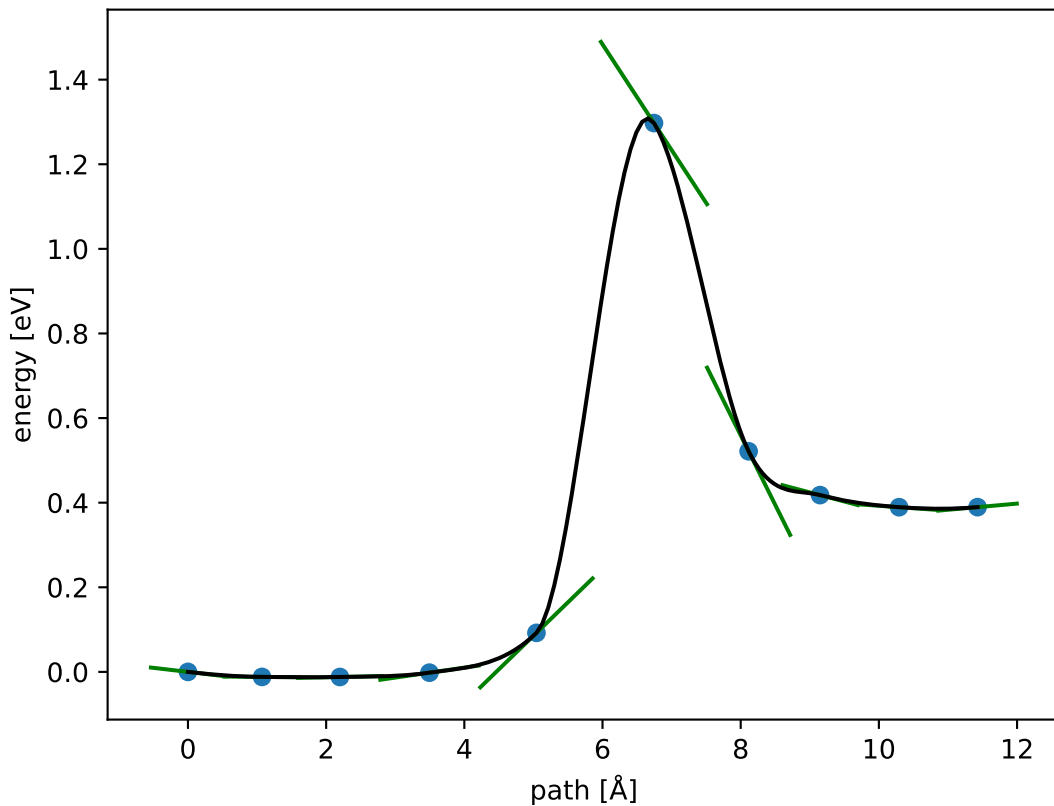
$$E_f \approx 1.297 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



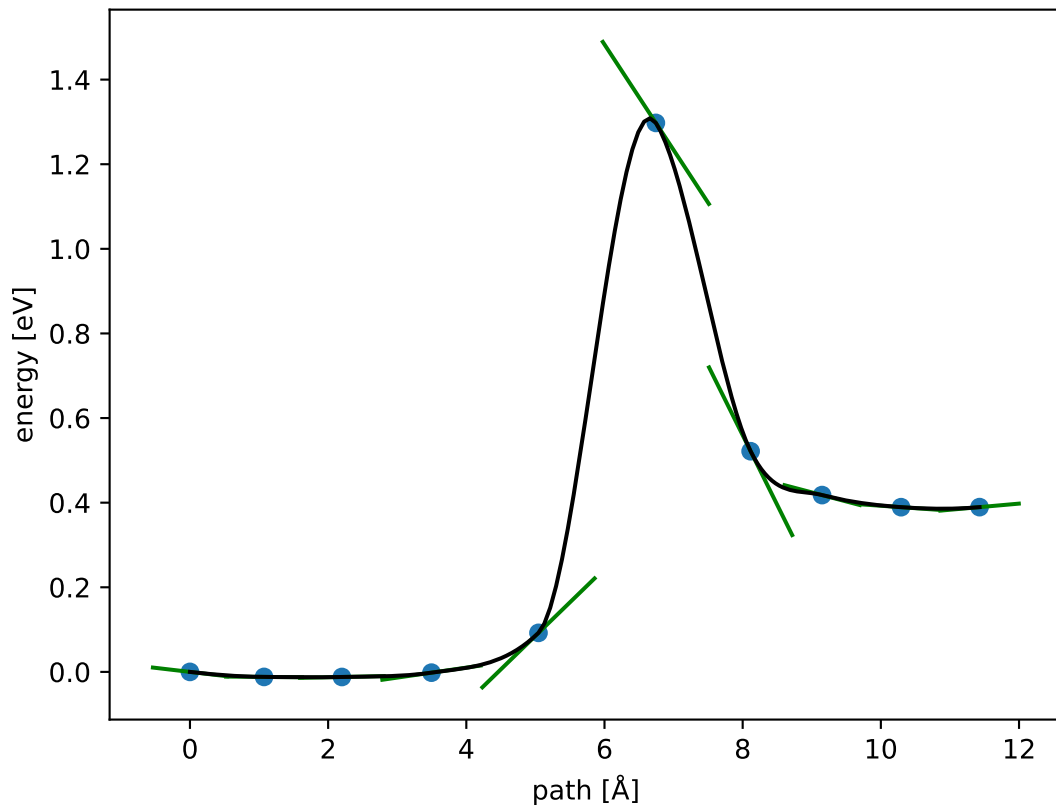
$$E_f \approx 1.297 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.297 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

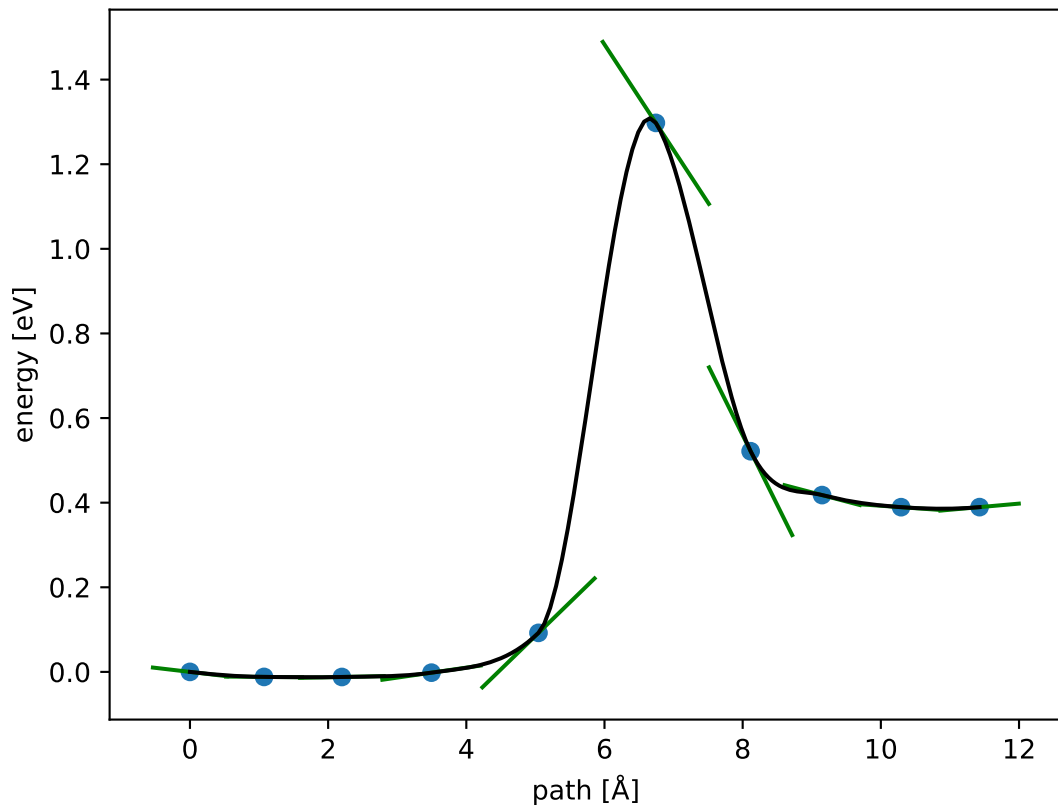


$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

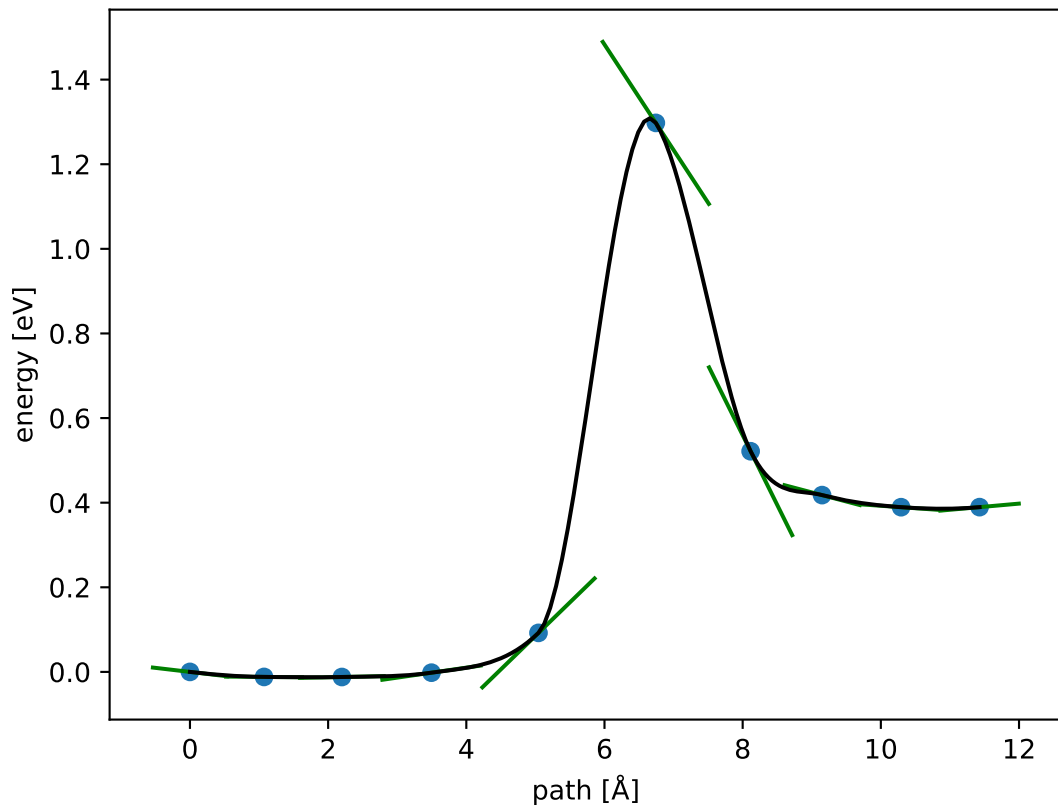




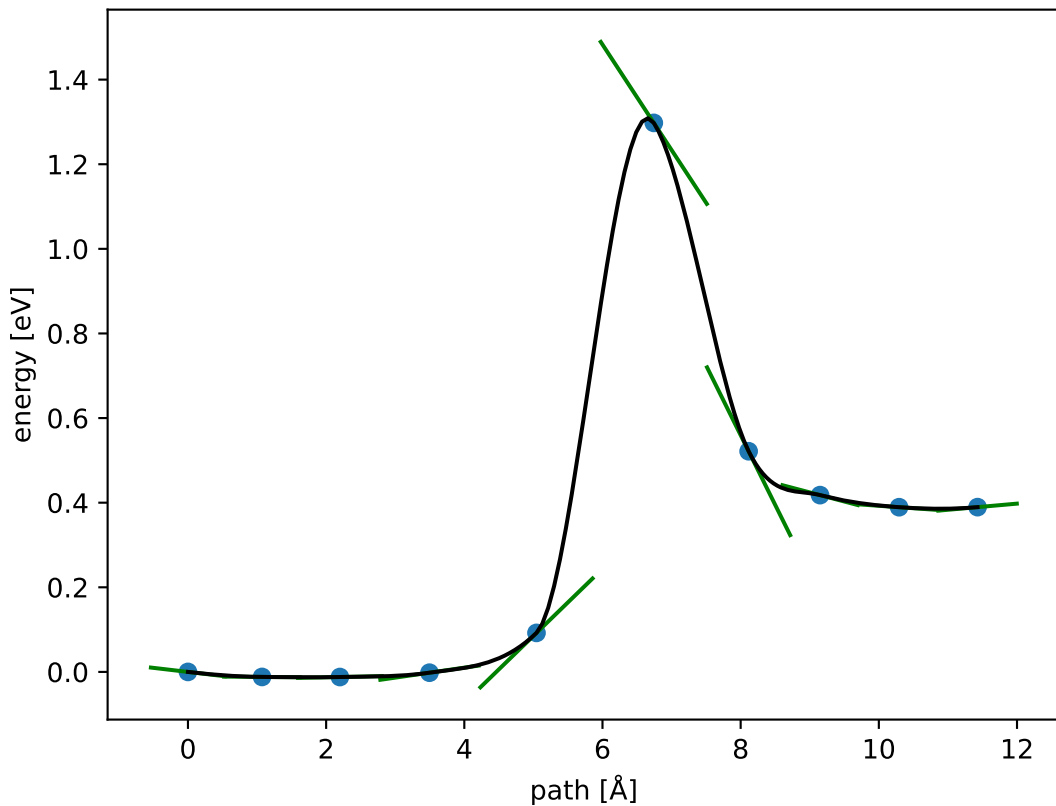
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



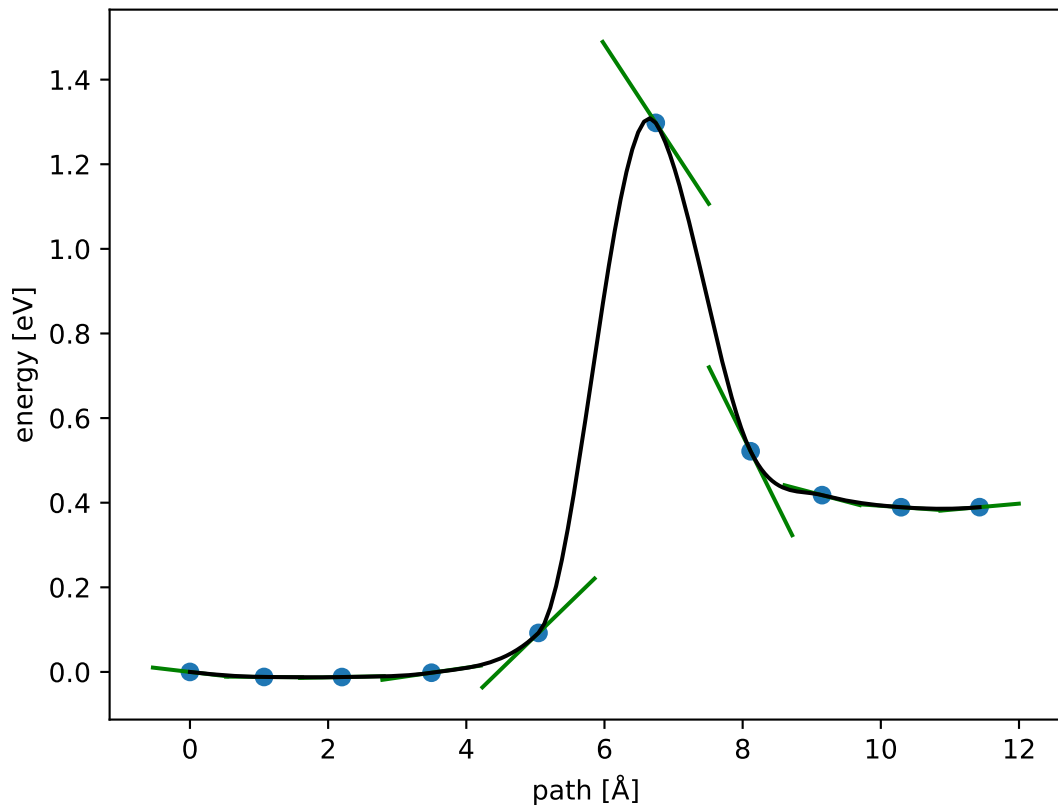
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



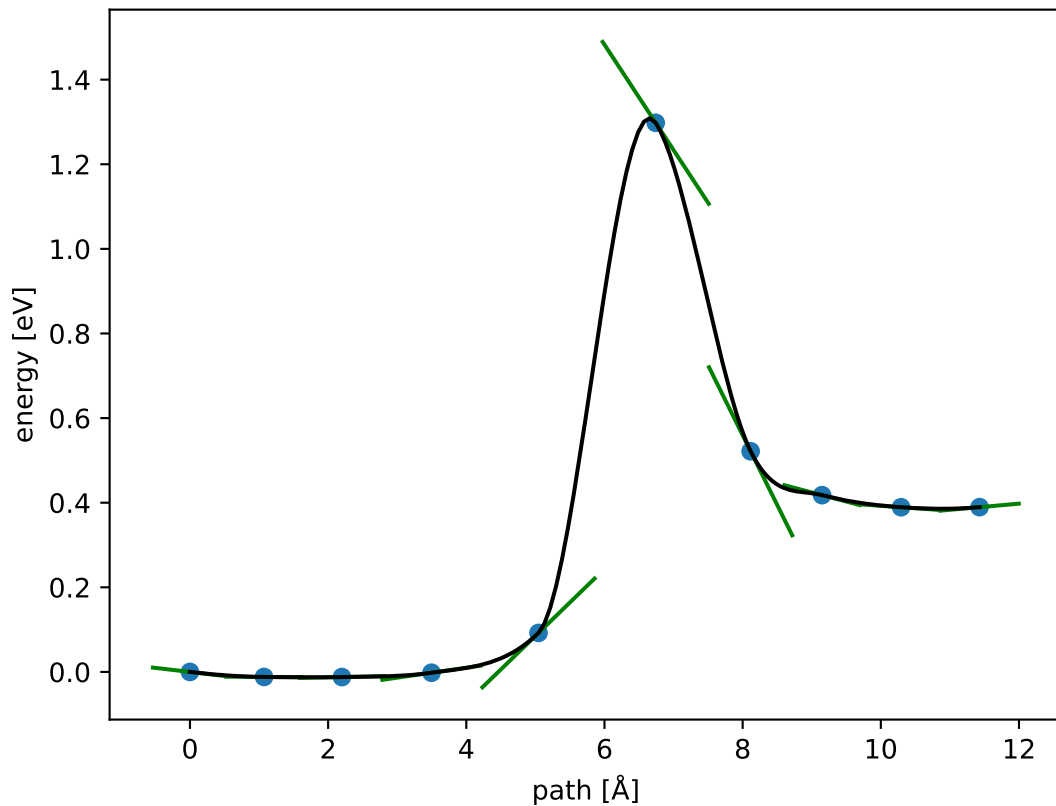
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



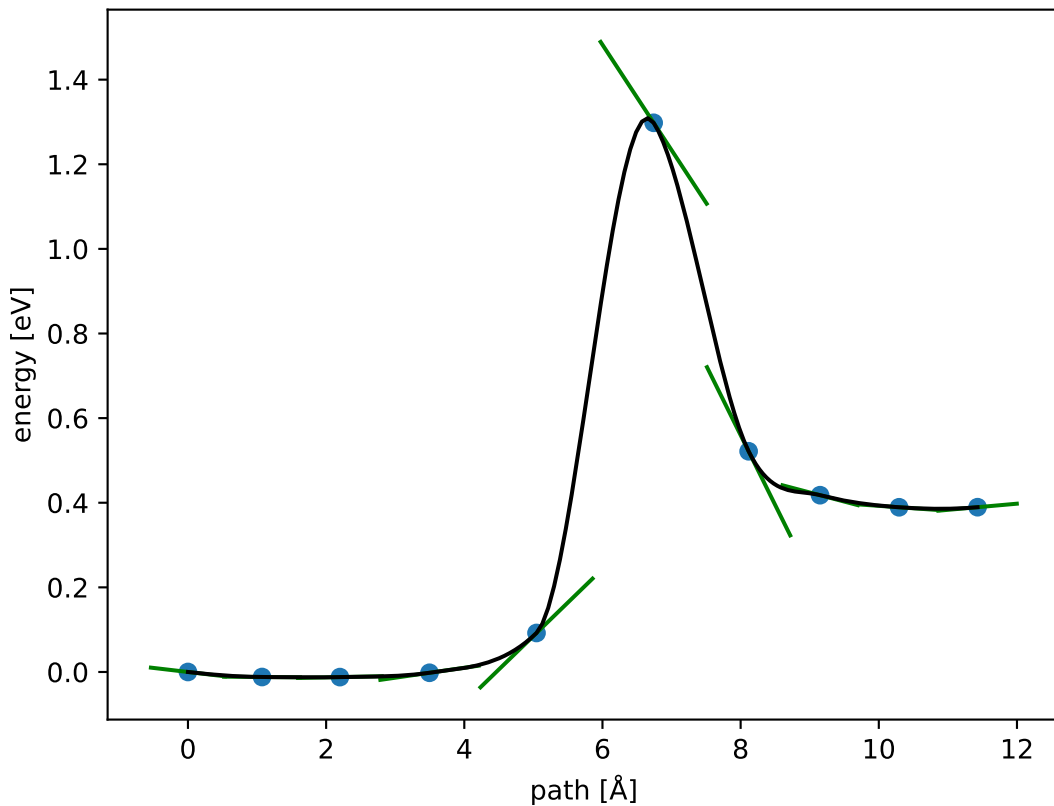
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



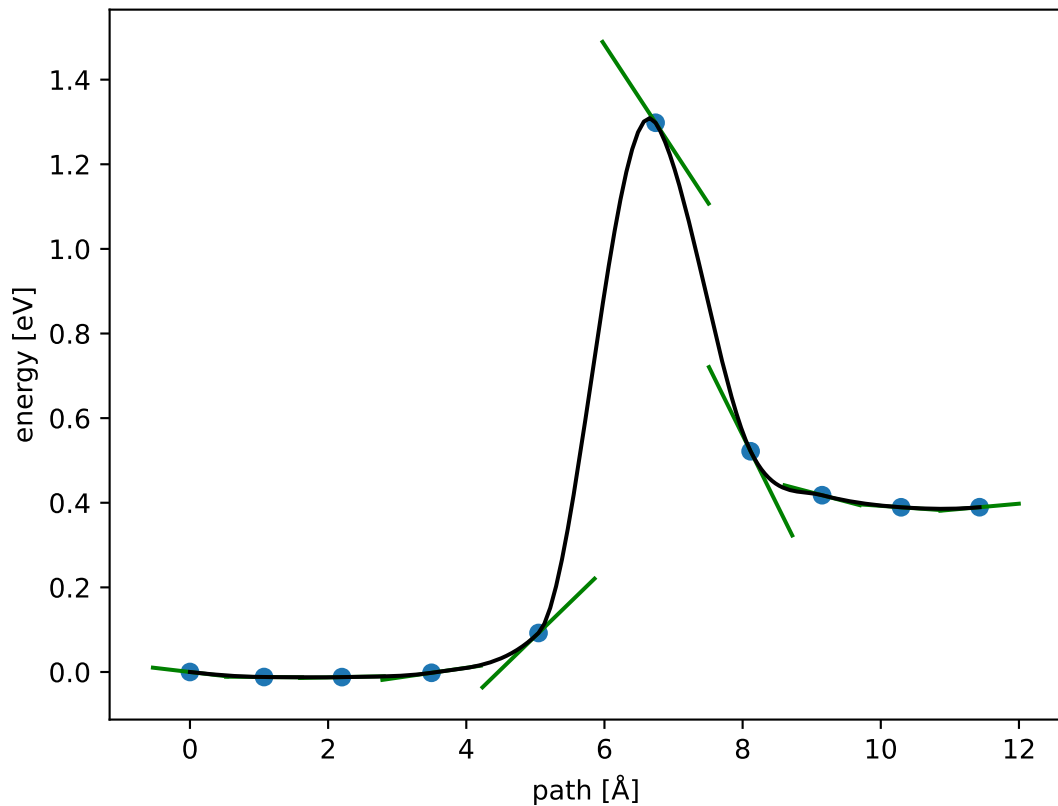
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.908 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



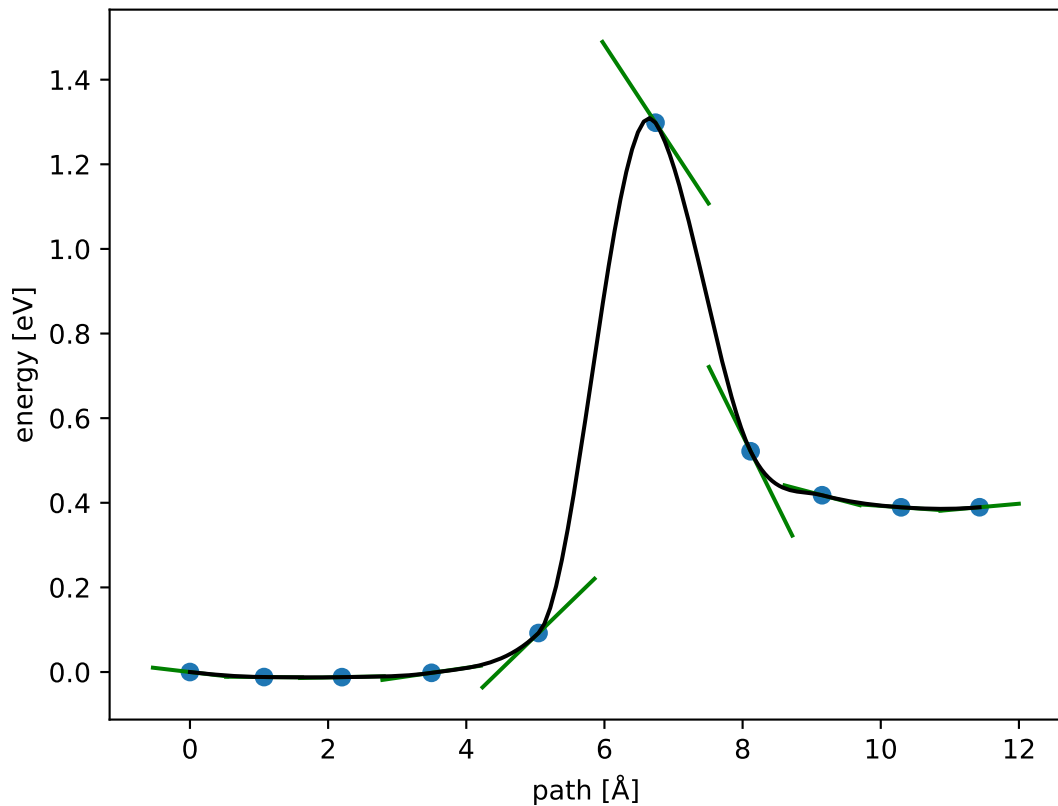
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

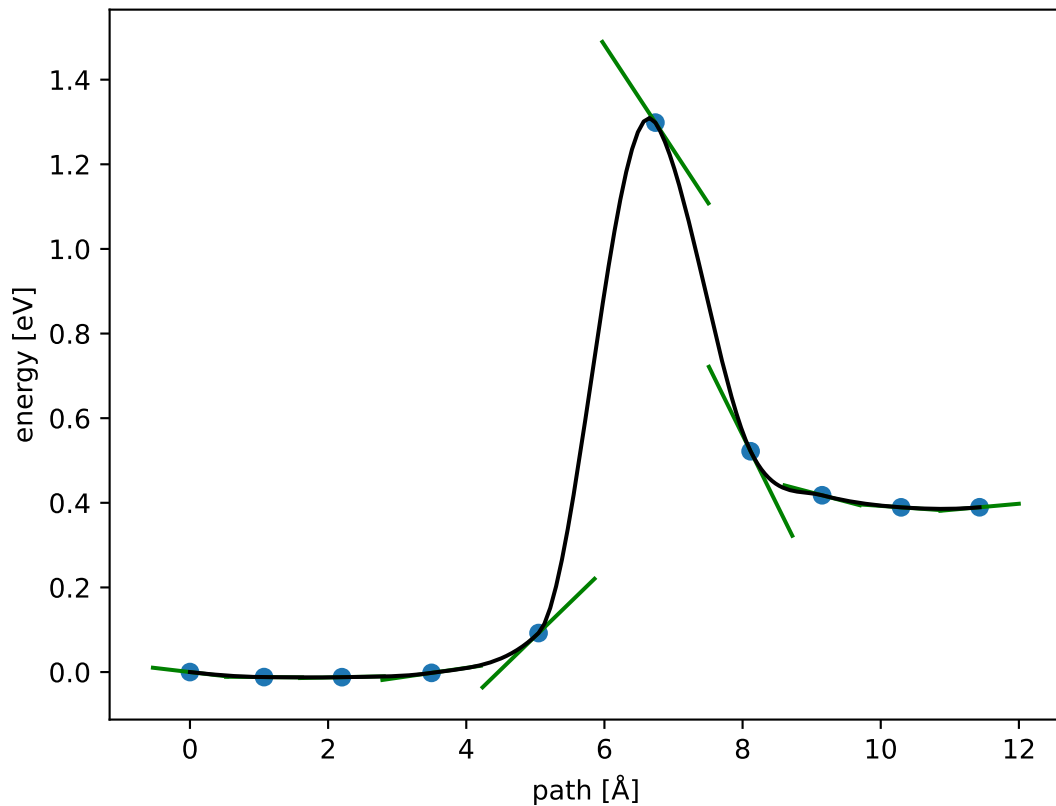


$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

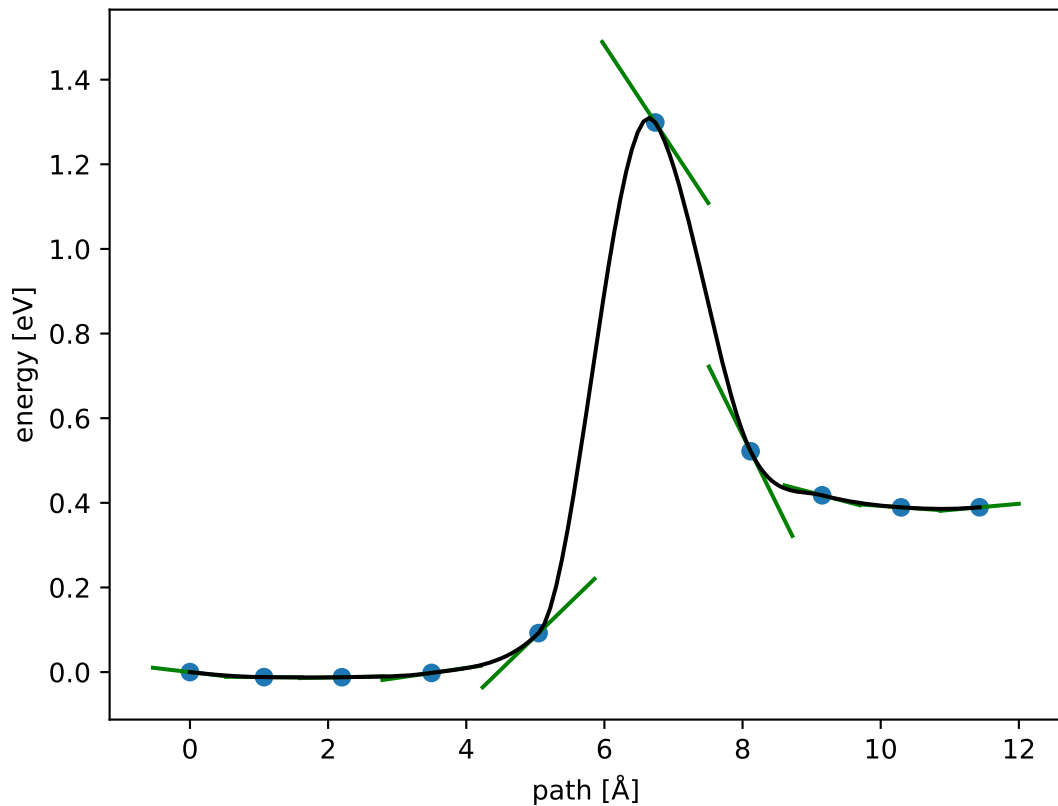




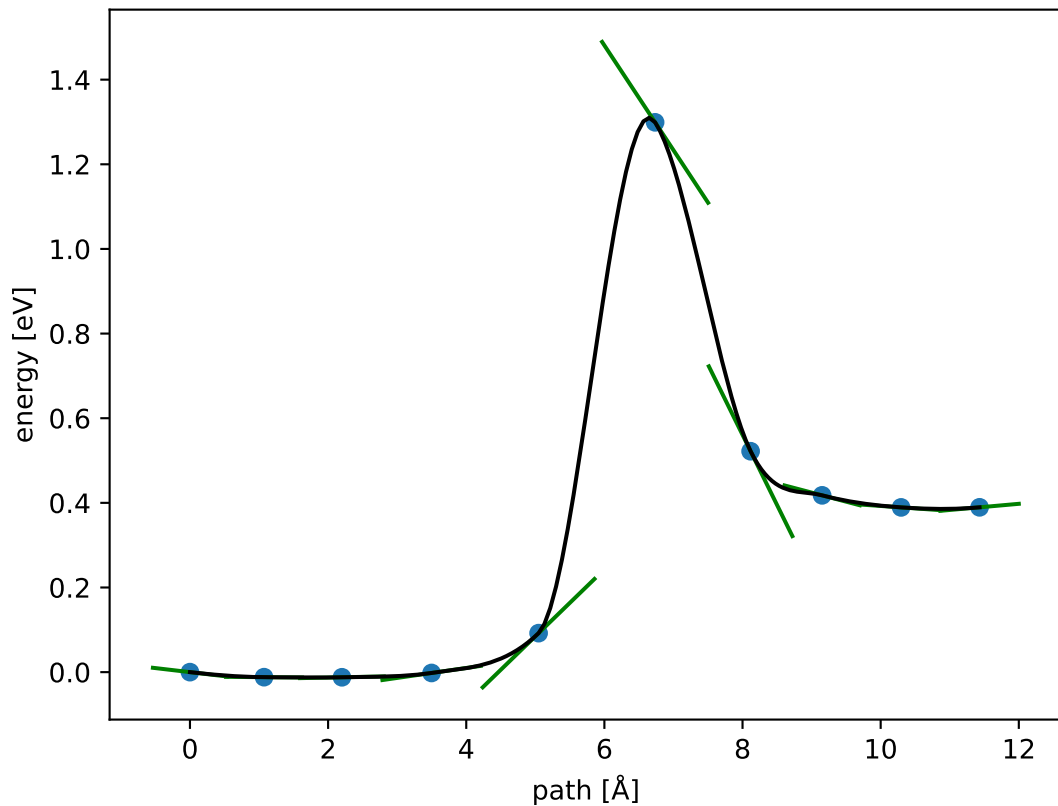
$$E_f \approx 1.299 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



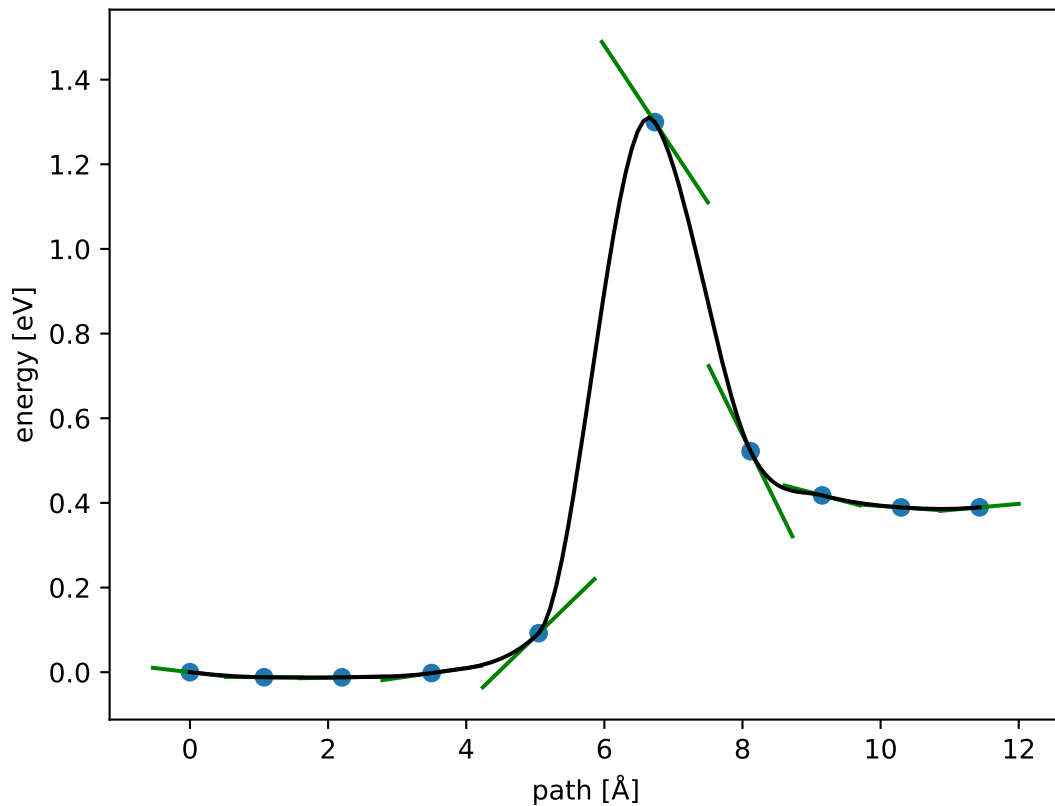
$$E_f \approx 1.299 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



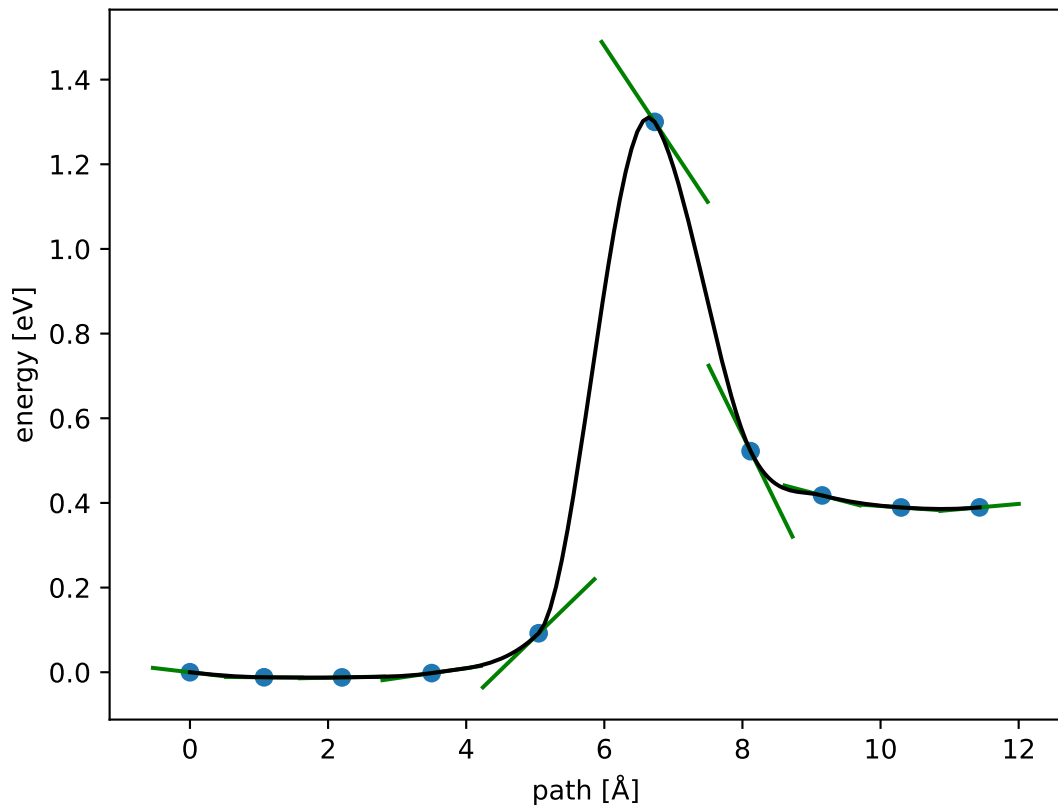
$$E_f \approx 1.299 \text{ eV}; E_r \approx 0.910 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



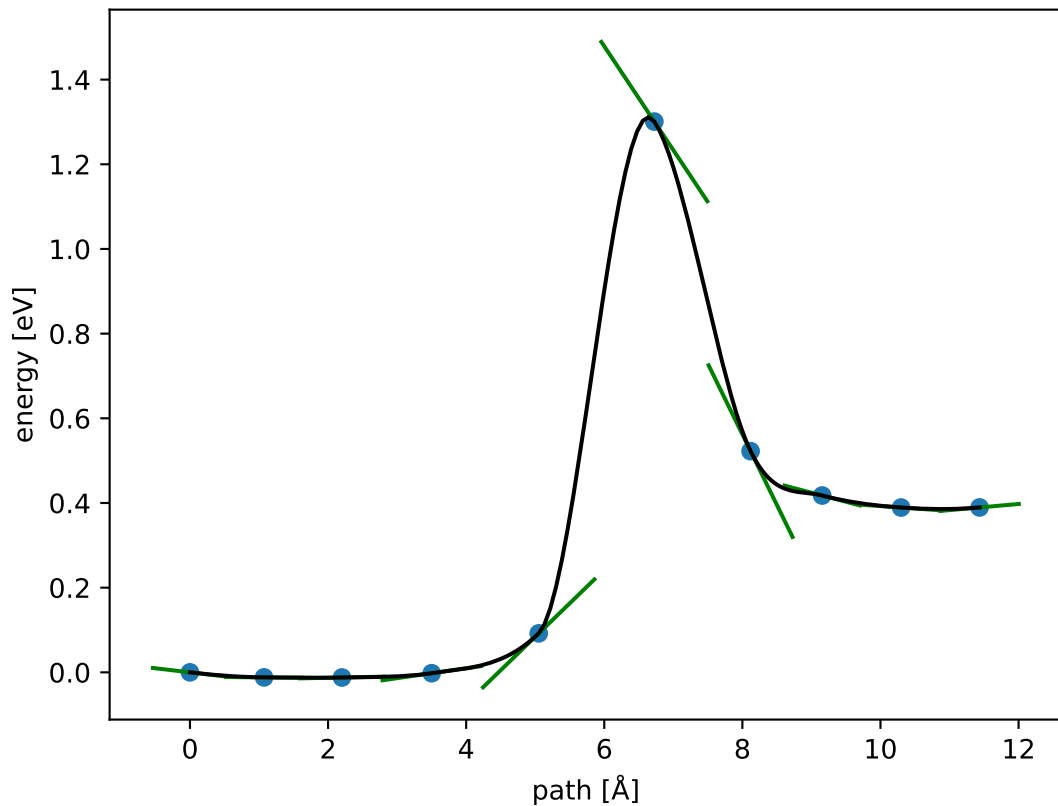
$$E_f \approx 1.300 \text{ eV}; E_r \approx 0.910 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



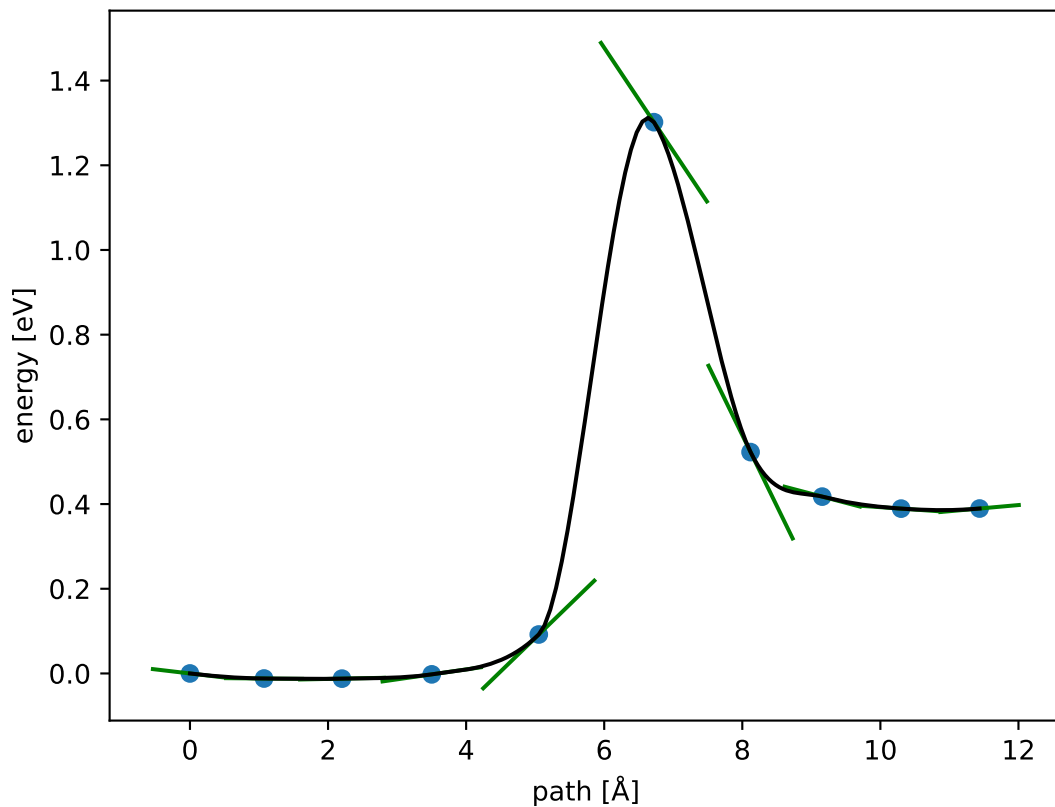
$$E_f \approx 1.300 \text{ eV}; E_r \approx 0.911 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



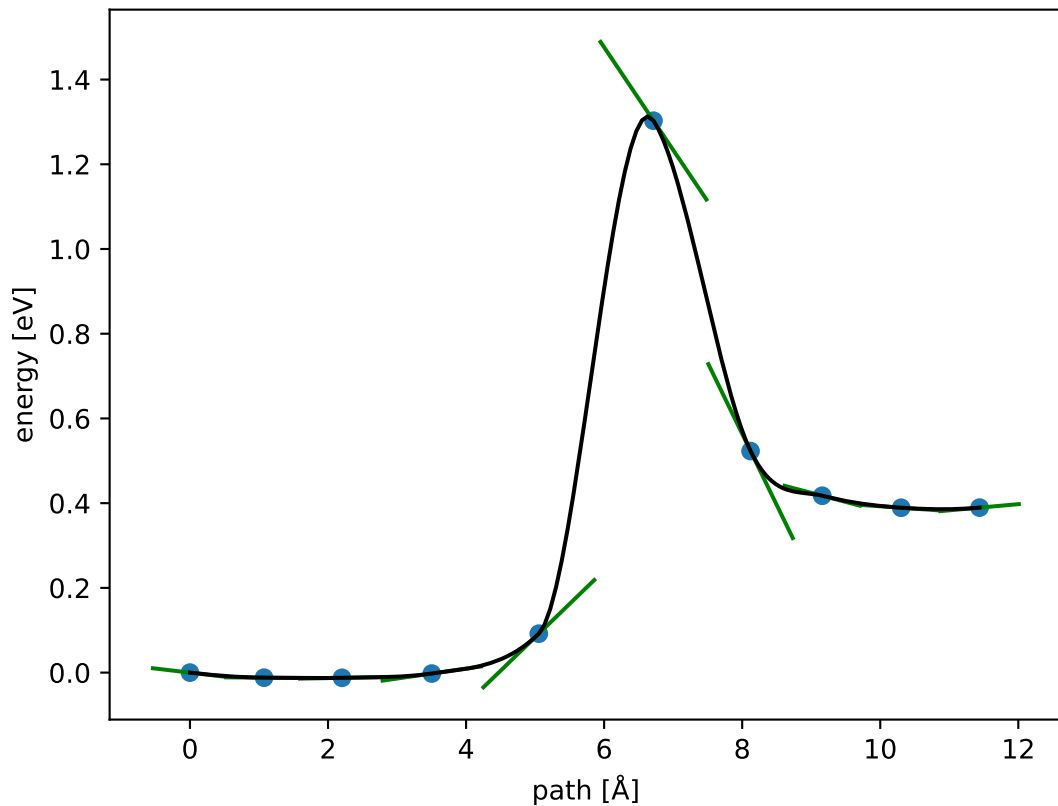
$$E_f \approx 1.301 \text{ eV}; E_r \approx 0.911 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.302 \text{ eV}; E_r \approx 0.912 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

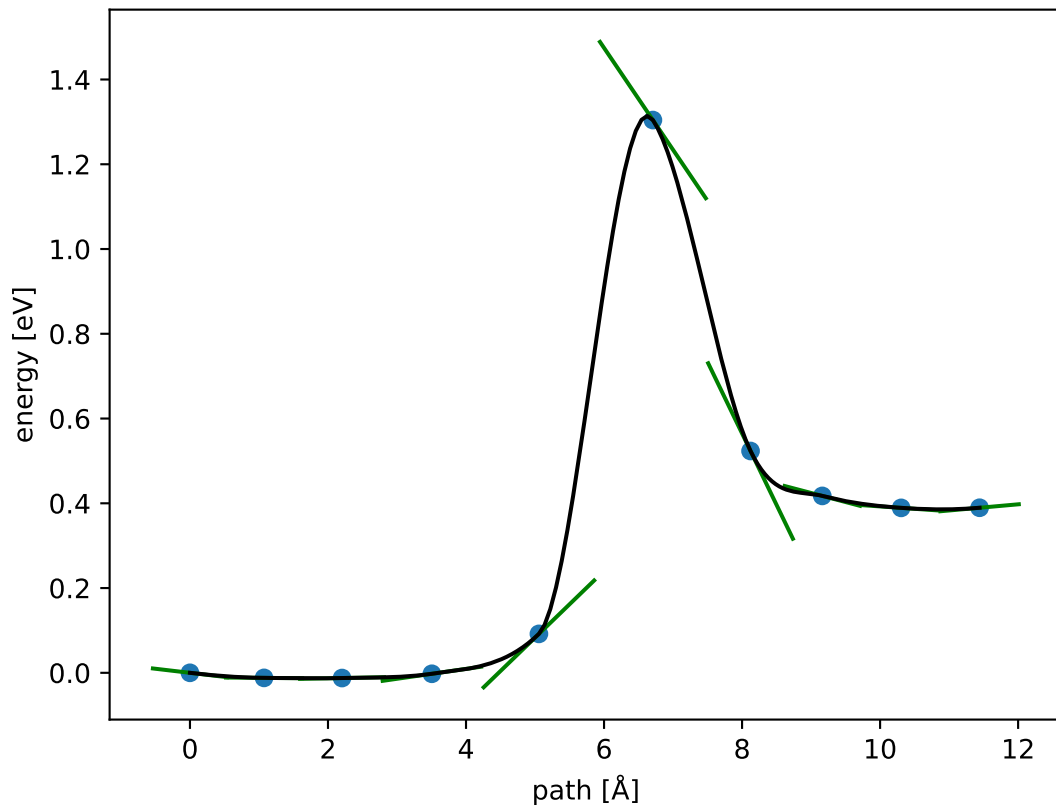


$$E_f \approx 1.303 \text{ eV}; E_r \approx 0.913 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

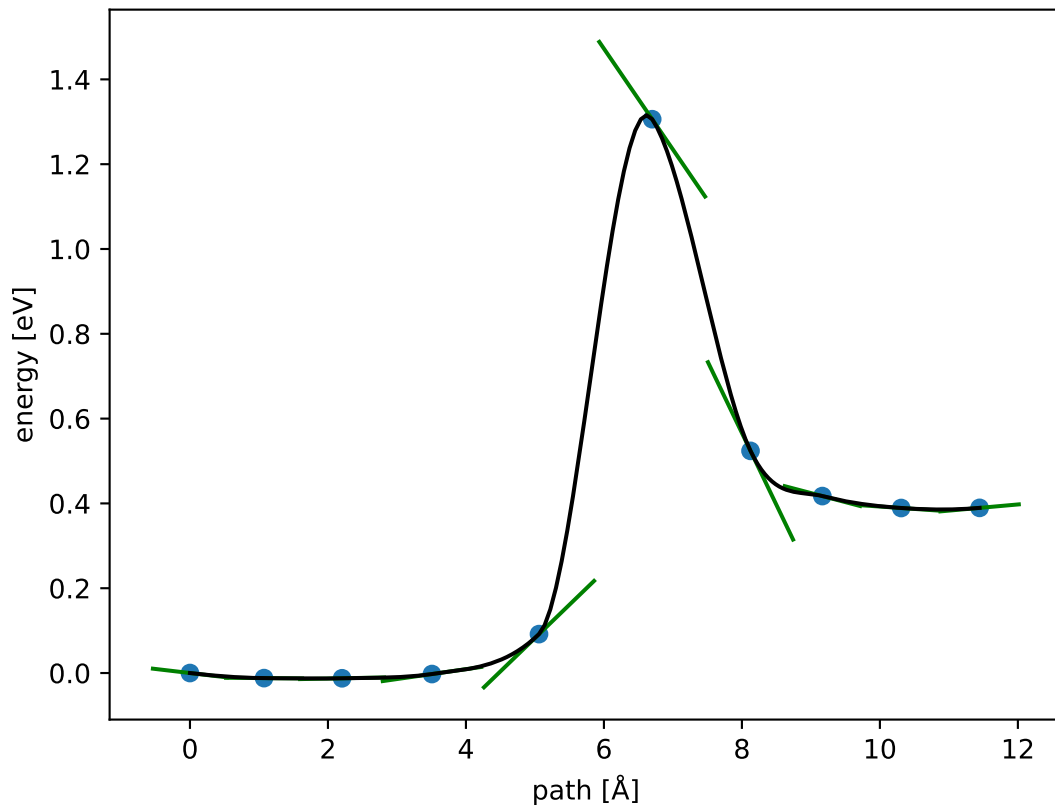




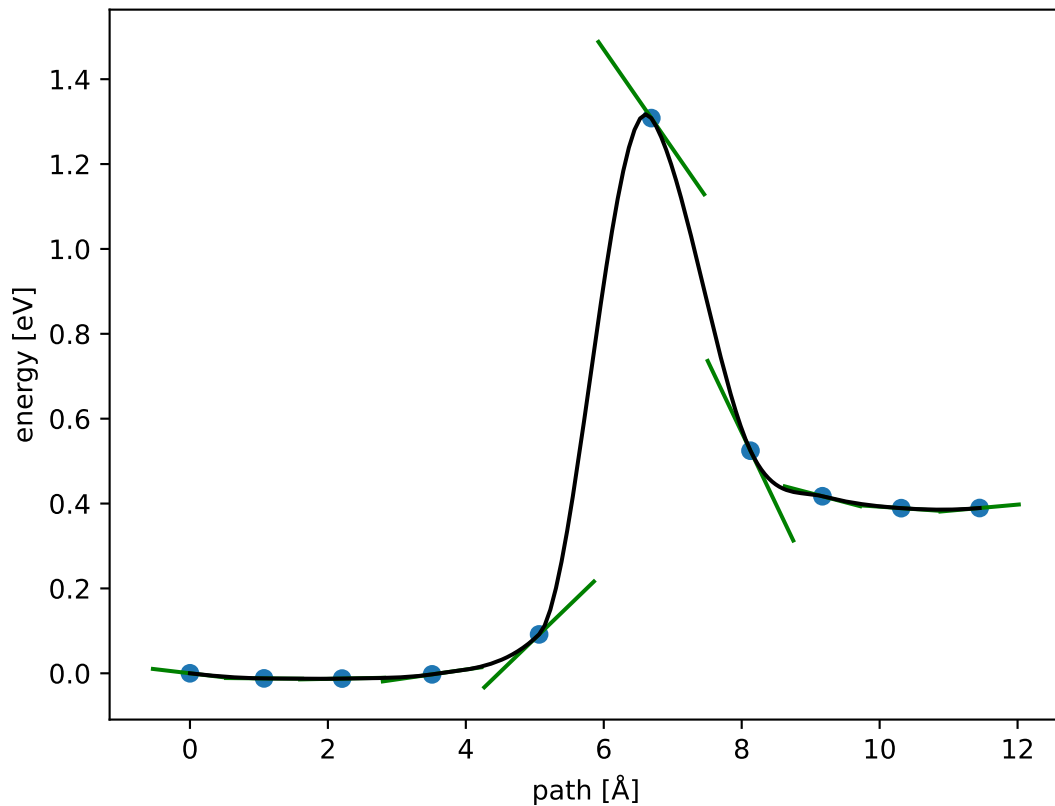
$$E_f \approx 1.304 \text{ eV}; E_r \approx 0.915 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



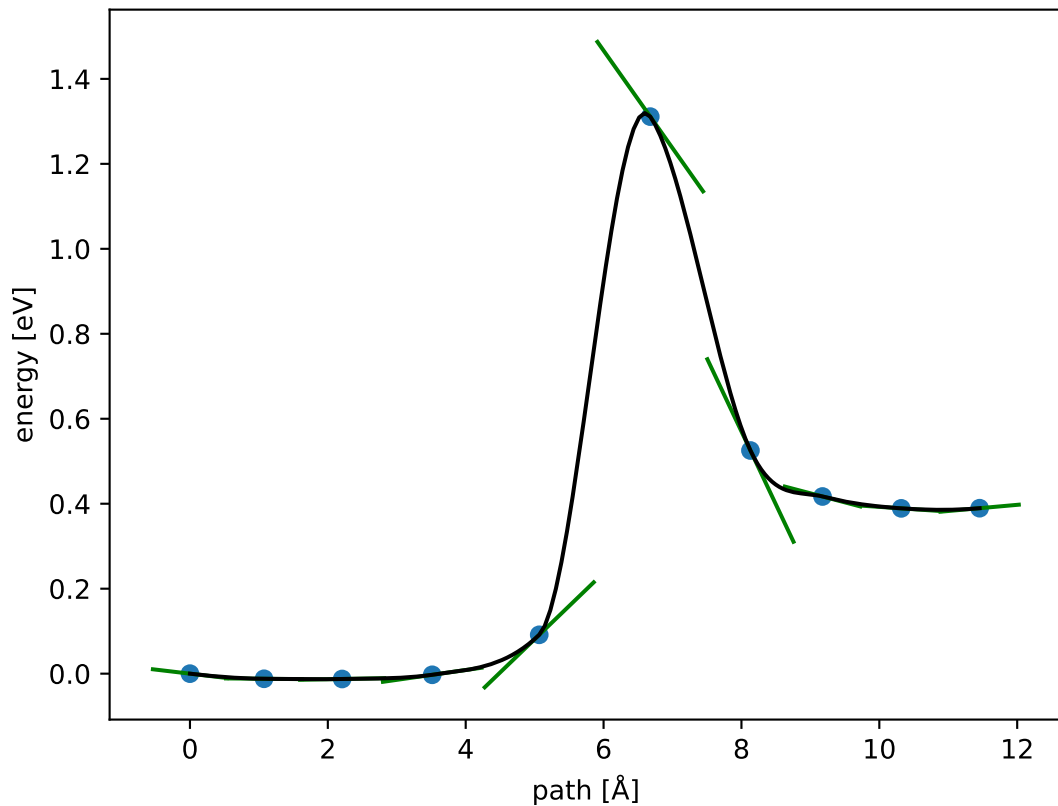
$$E_f \approx 1.306 \text{ eV}; E_r \approx 0.917 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



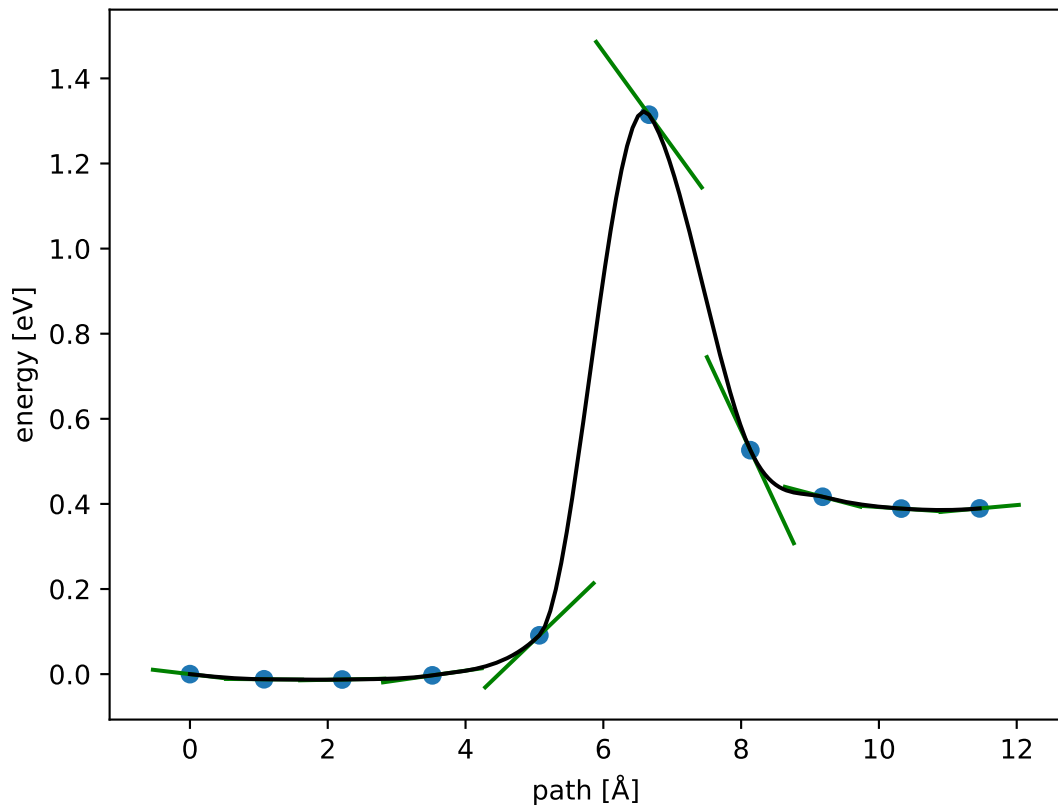
$$E_f \approx 1.308 \text{ eV}; E_r \approx 0.919 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



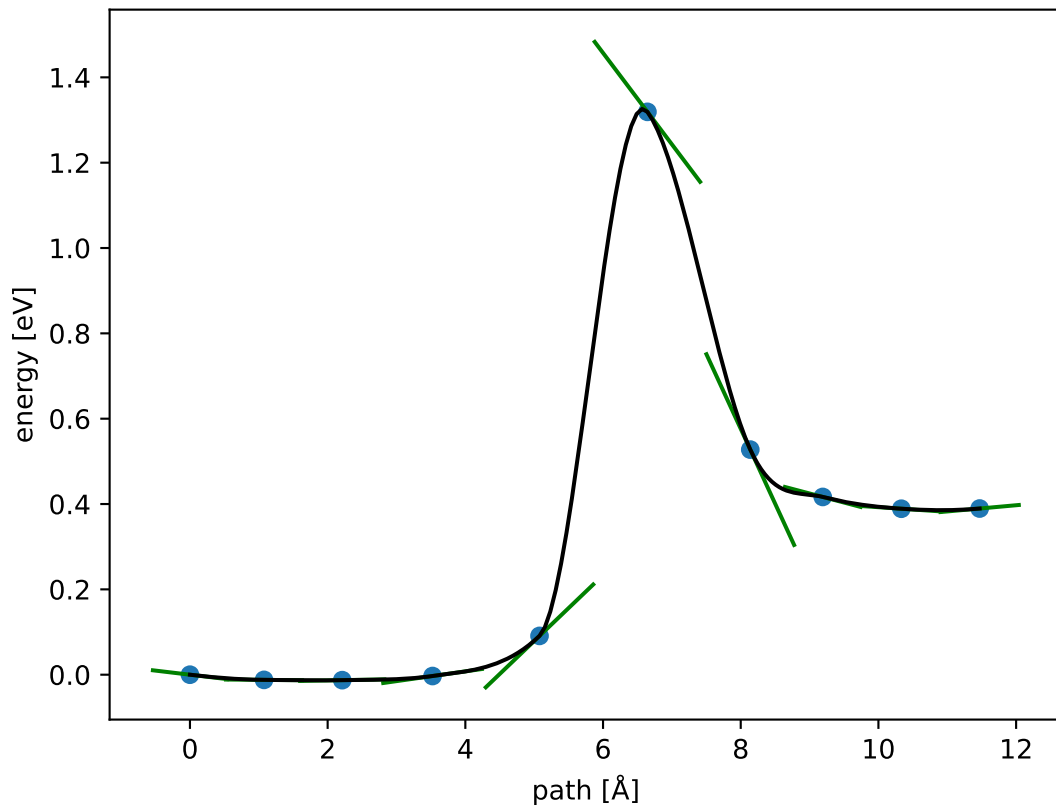
$$E_f \approx 1.311 \text{ eV}; E_r \approx 0.922 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



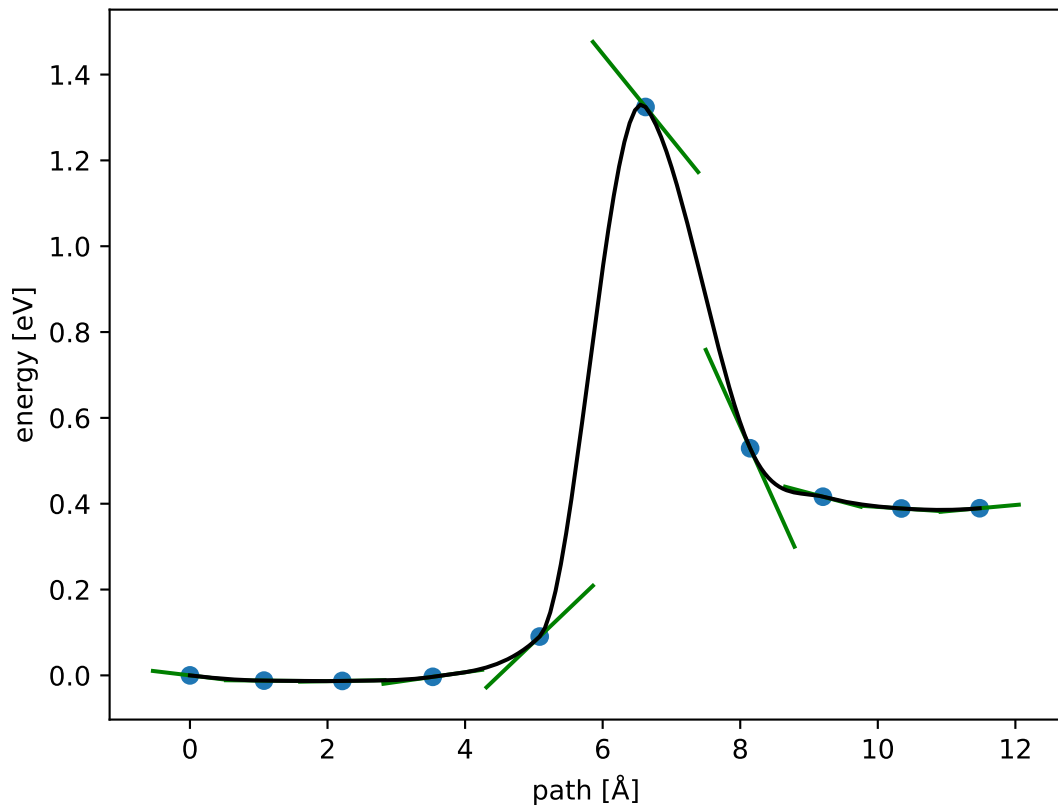
$$E_f \approx 1.315 \text{ eV}; E_r \approx 0.925 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



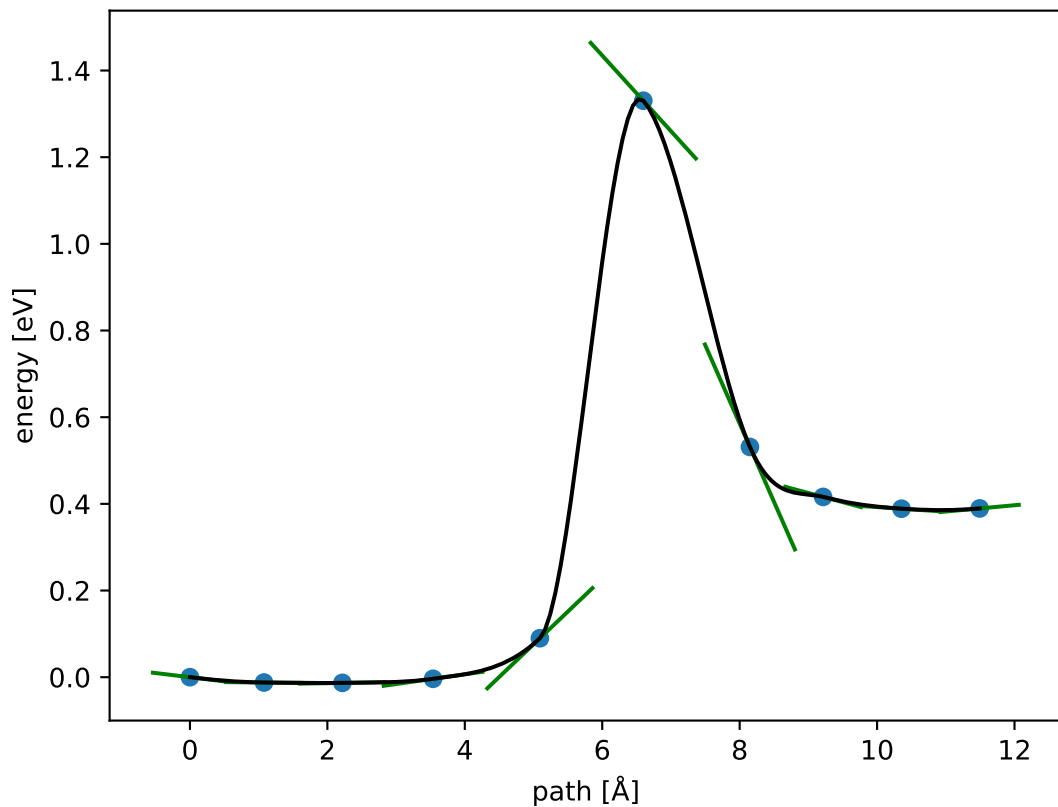
$$E_f \approx 1.319 \text{ eV}; E_r \approx 0.930 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.324 \text{ eV}; E_r \approx 0.935 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

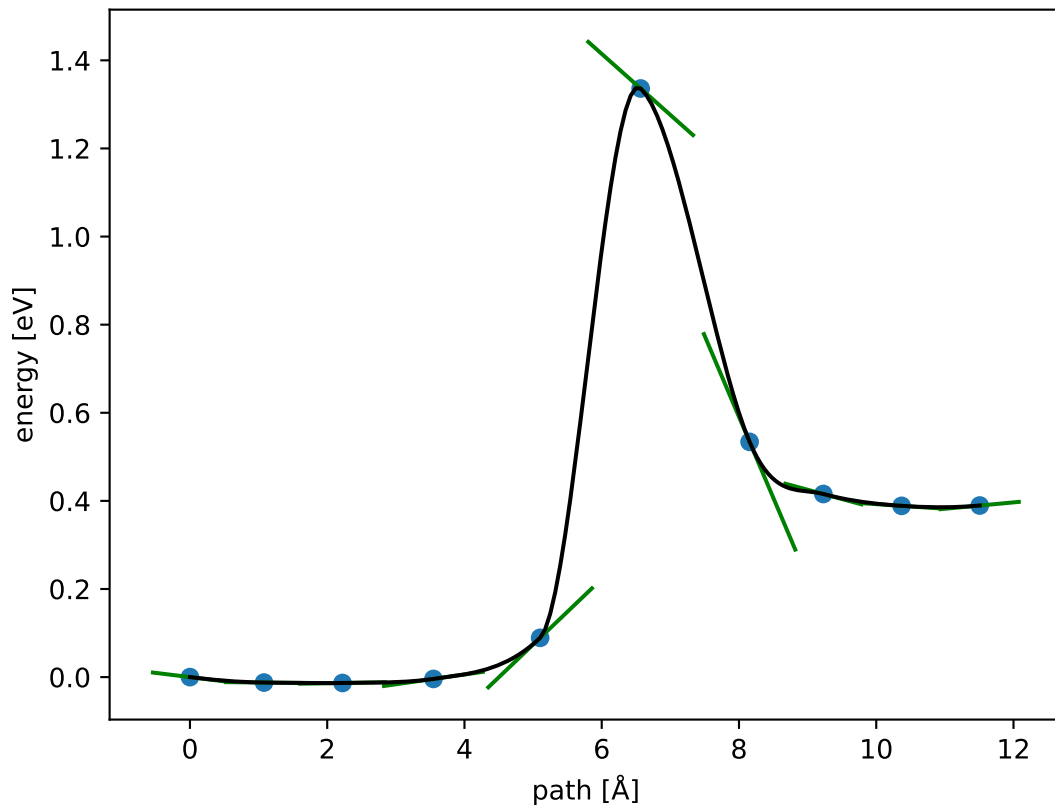


$$E_f \approx 1.330 \text{ eV}; E_r \approx 0.941 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

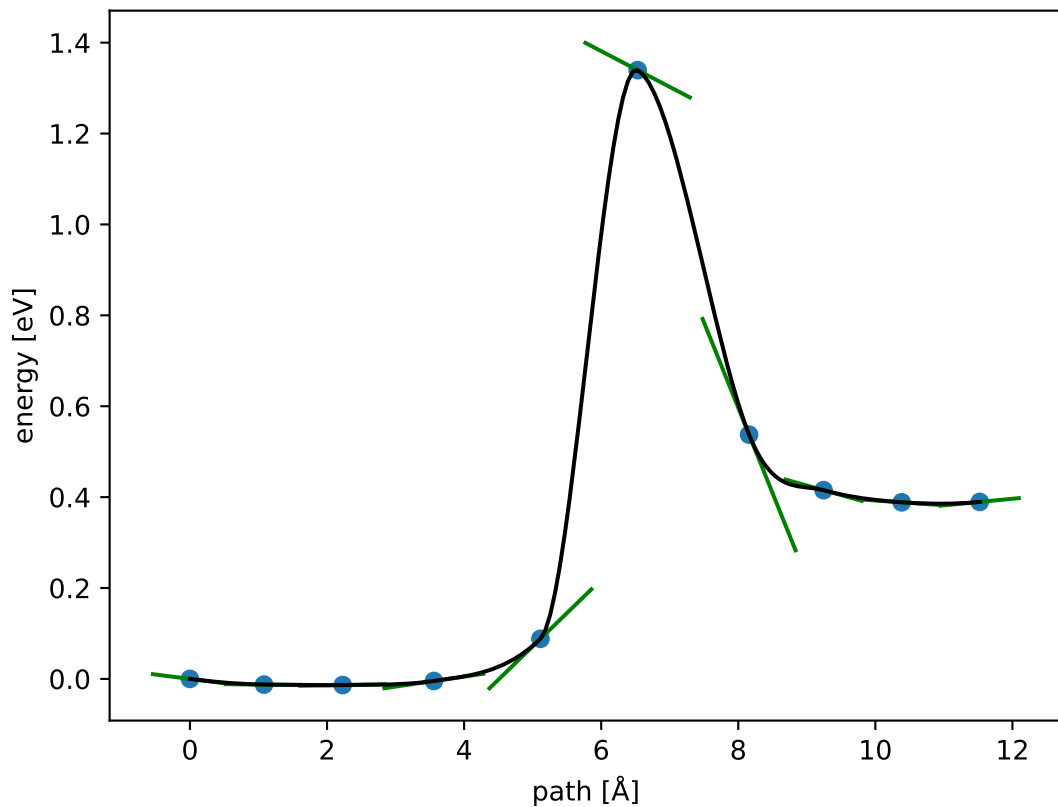




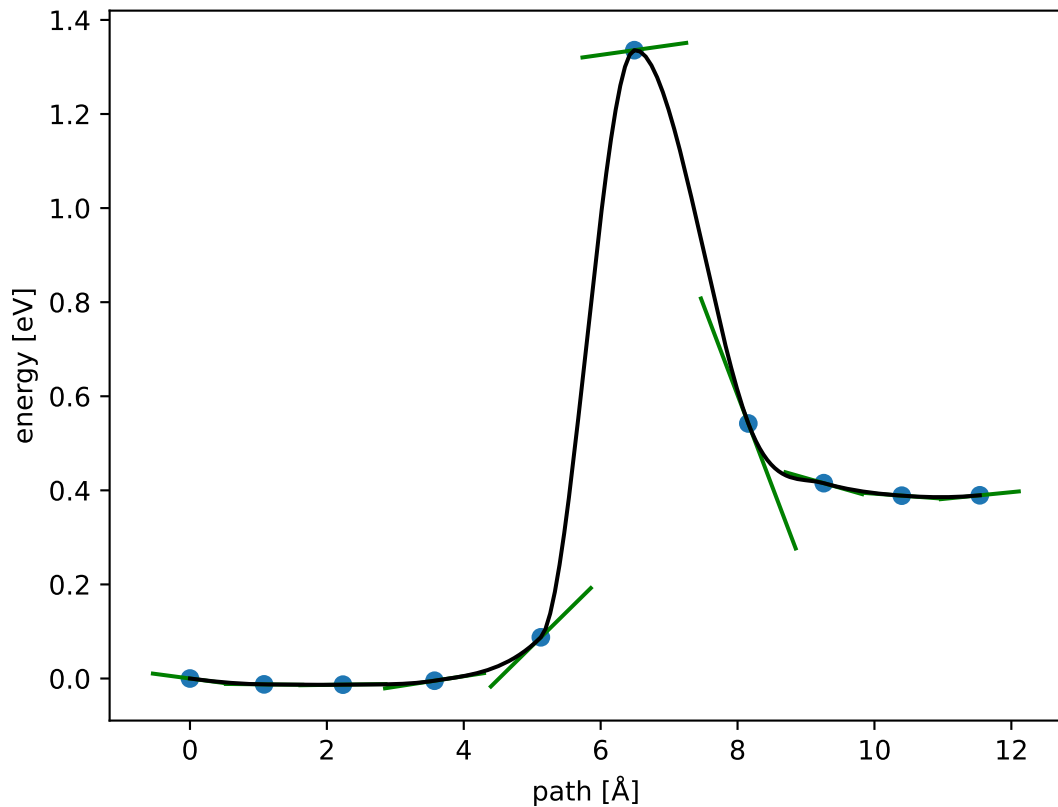
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.947 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



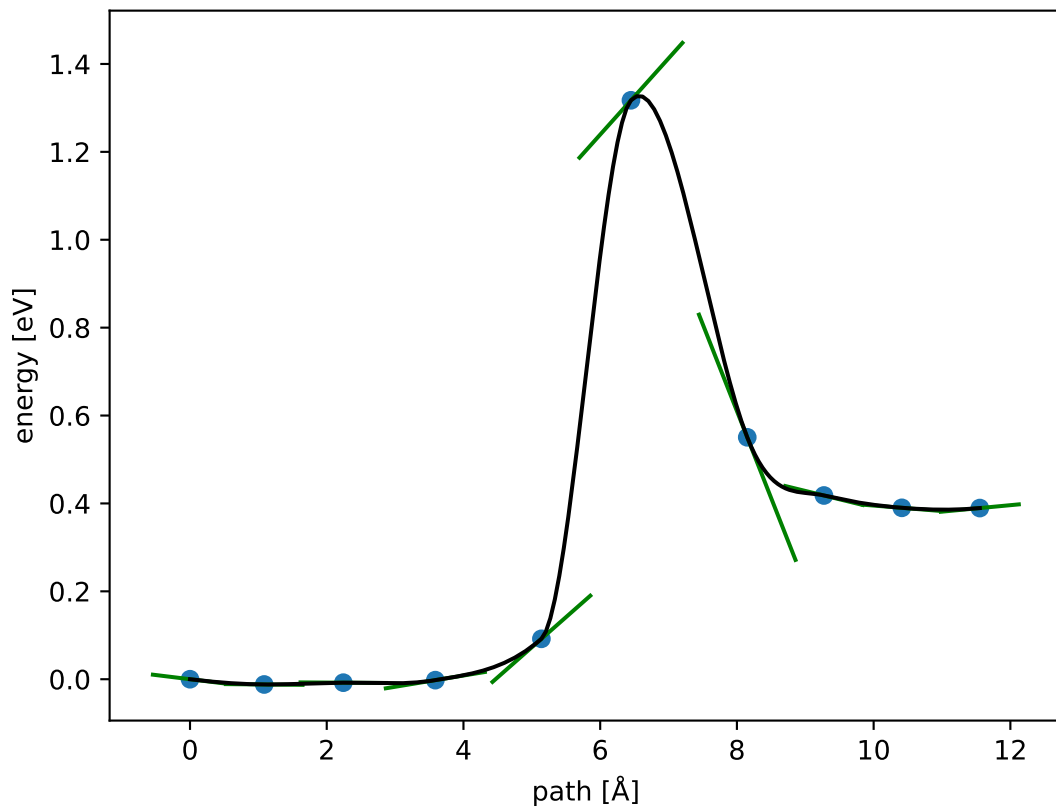
$$E_f \approx 1.339 \text{ eV}; E_r \approx 0.950 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



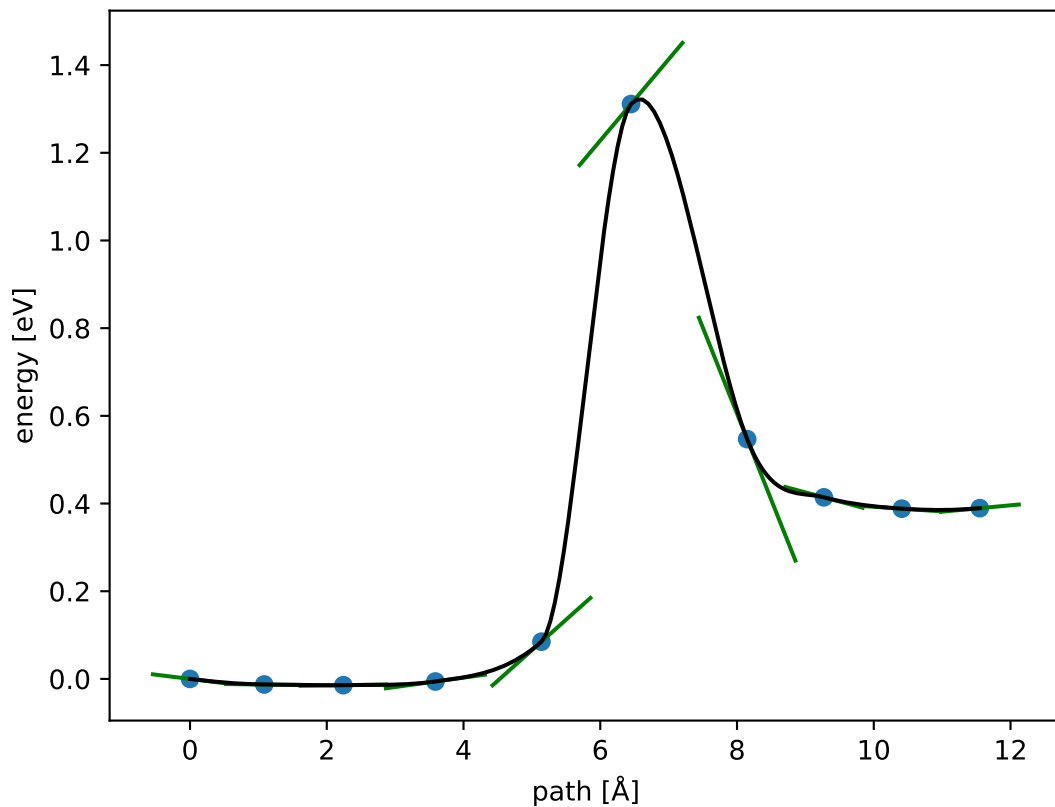
$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



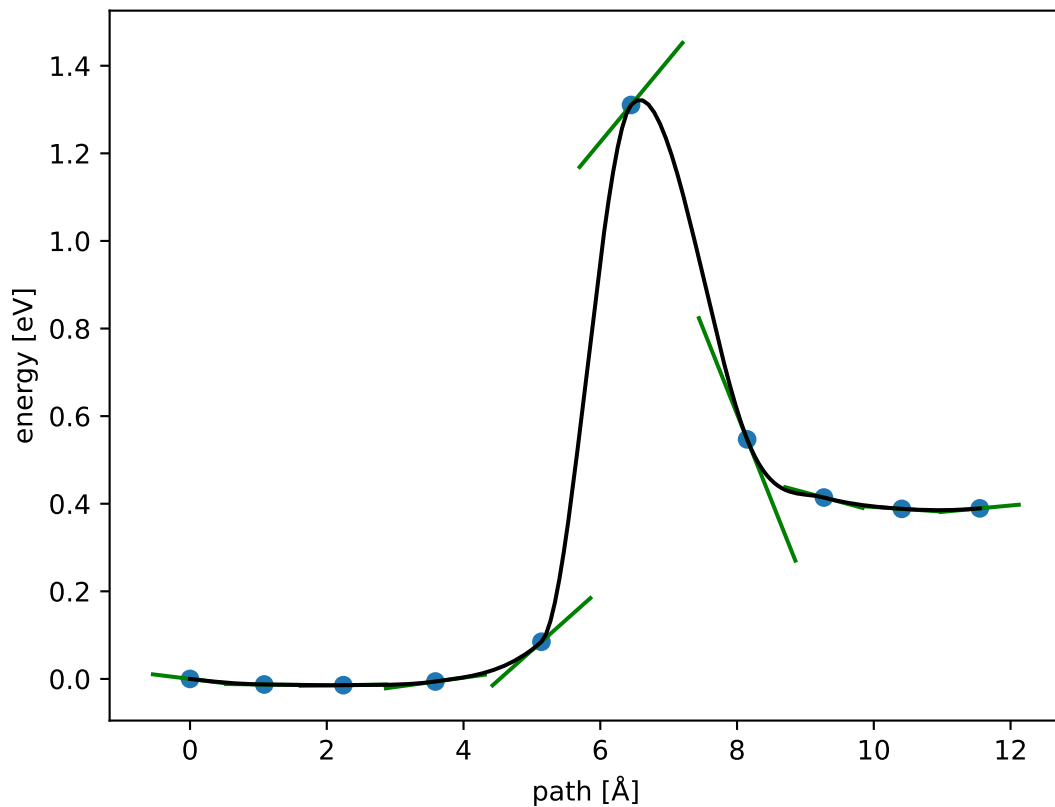
$$E_f \approx 1.317 \text{ eV}; E_r \approx 0.928 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



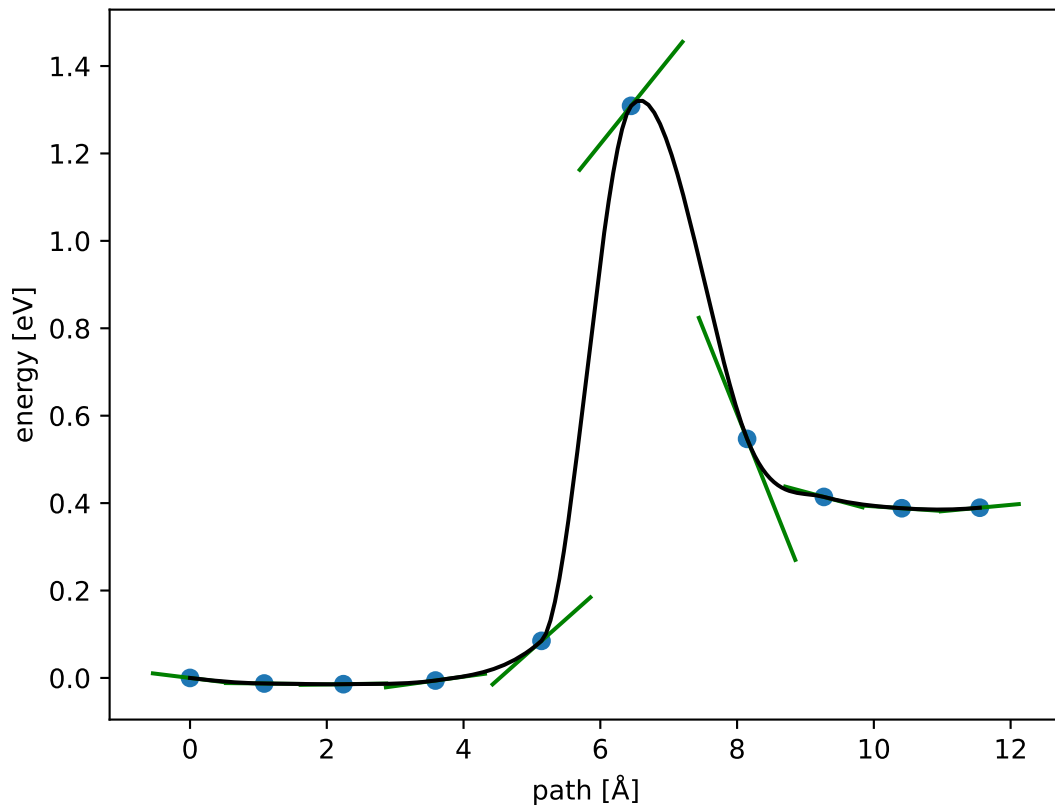
$$E_f \approx 1.311 \text{ eV}; E_r \approx 0.922 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



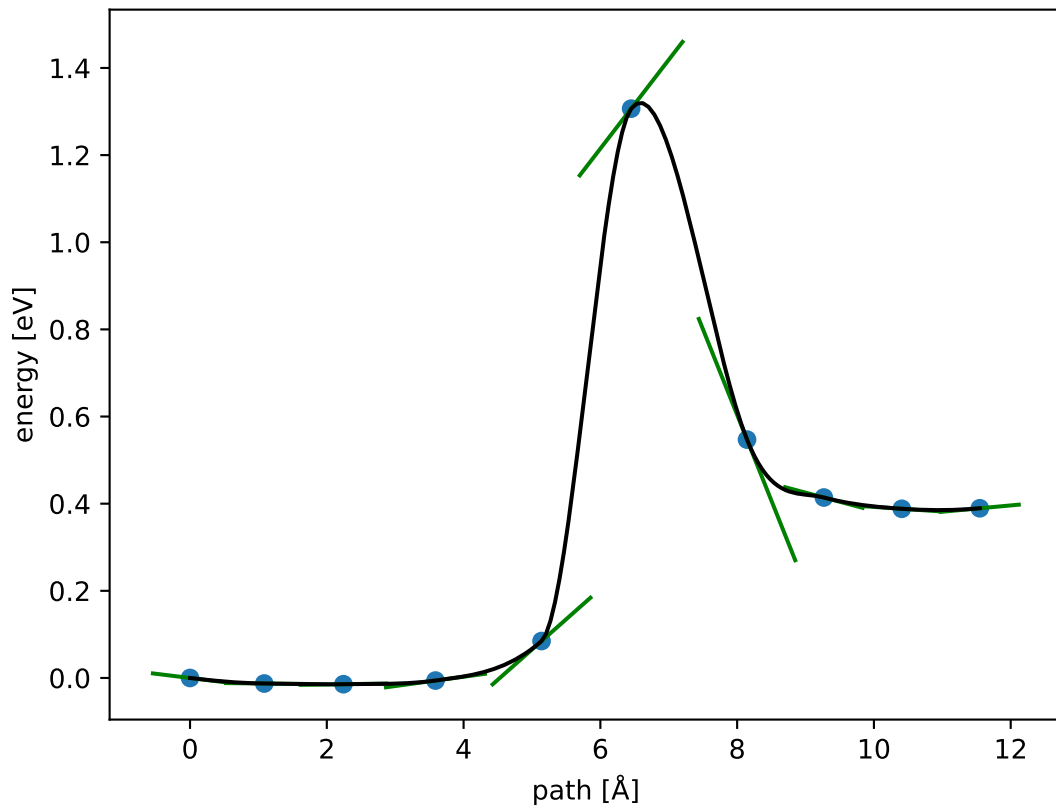
$$E_f \approx 1.310 \text{ eV}; E_r \approx 0.921 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.309 \text{ eV}; E_r \approx 0.919 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

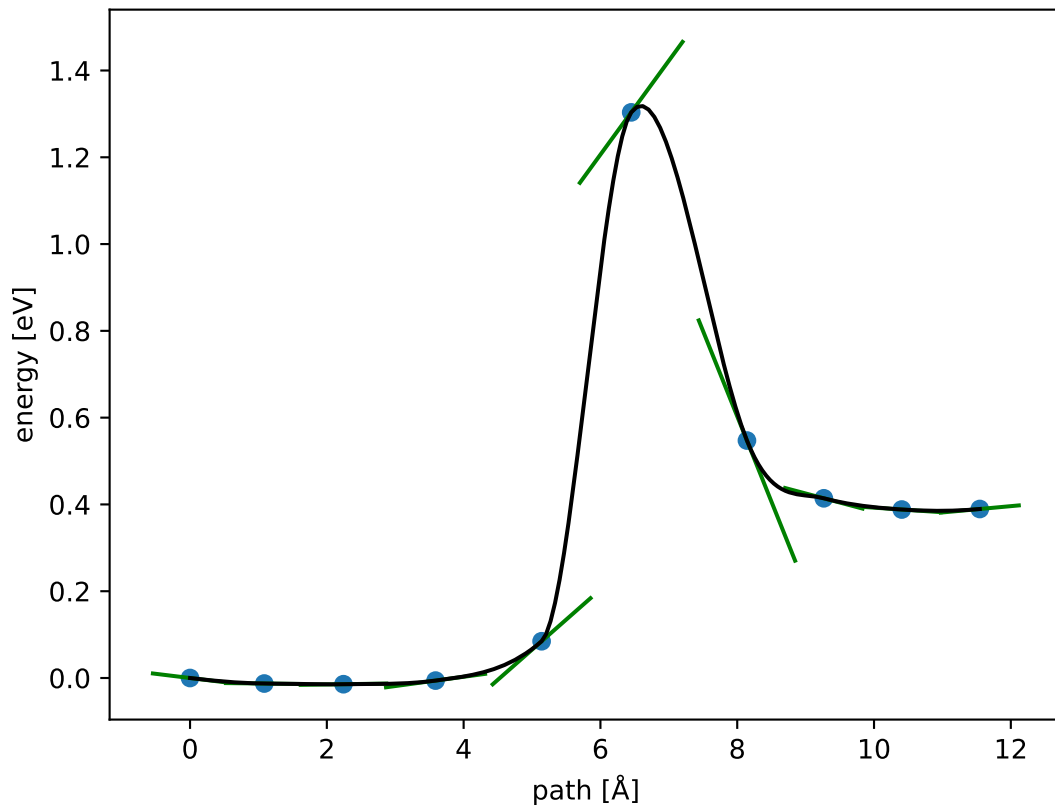


$$E_f \approx 1.307 \text{ eV}; E_r \approx 0.917 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

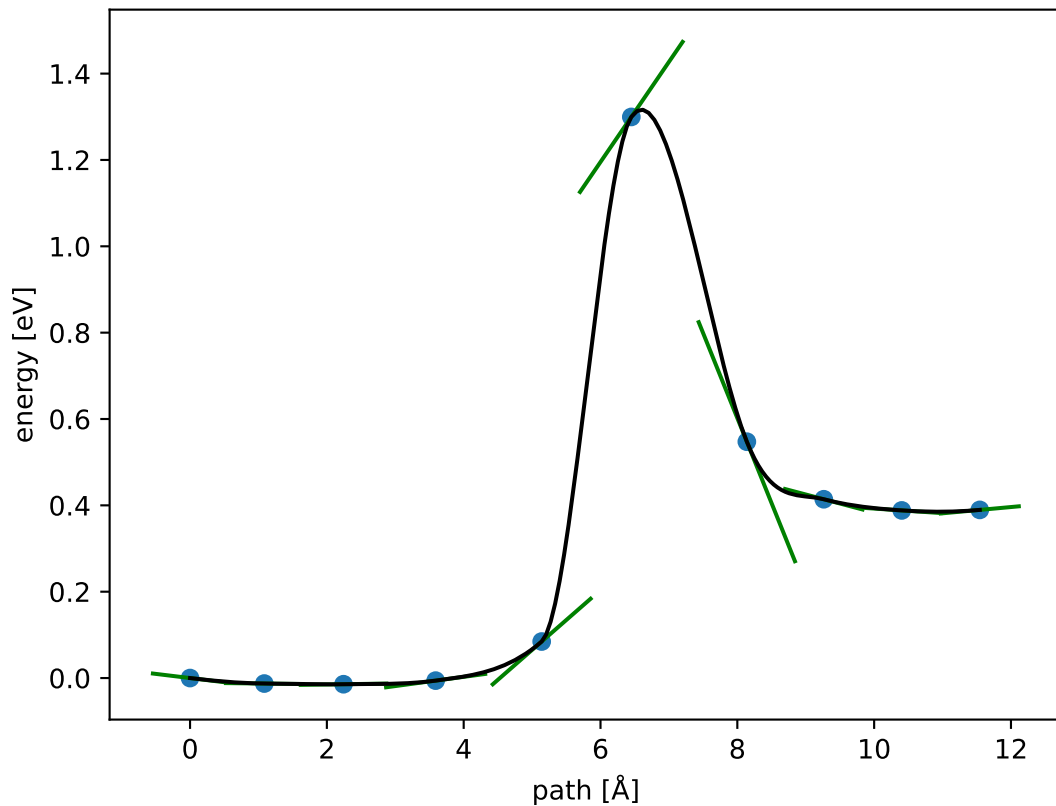




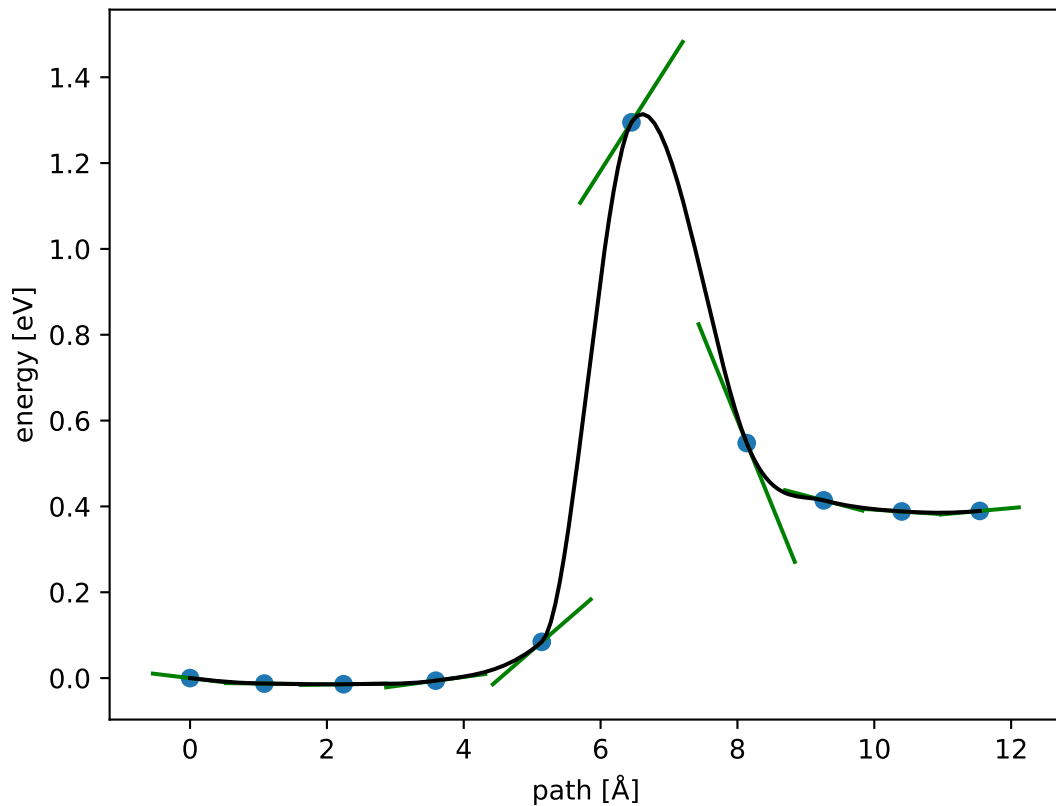
$$E_f \approx 1.304 \text{ eV}; E_r \approx 0.914 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



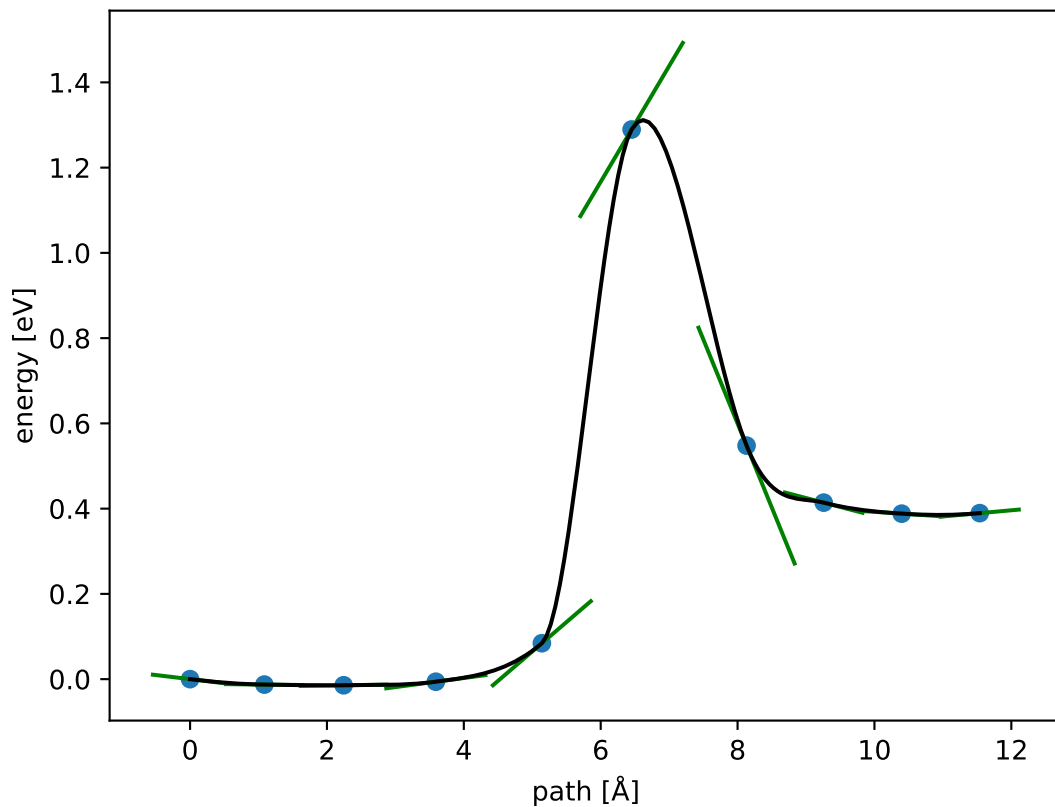
$$E_f \approx 1.300 \text{ eV}; E_r \approx 0.910 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



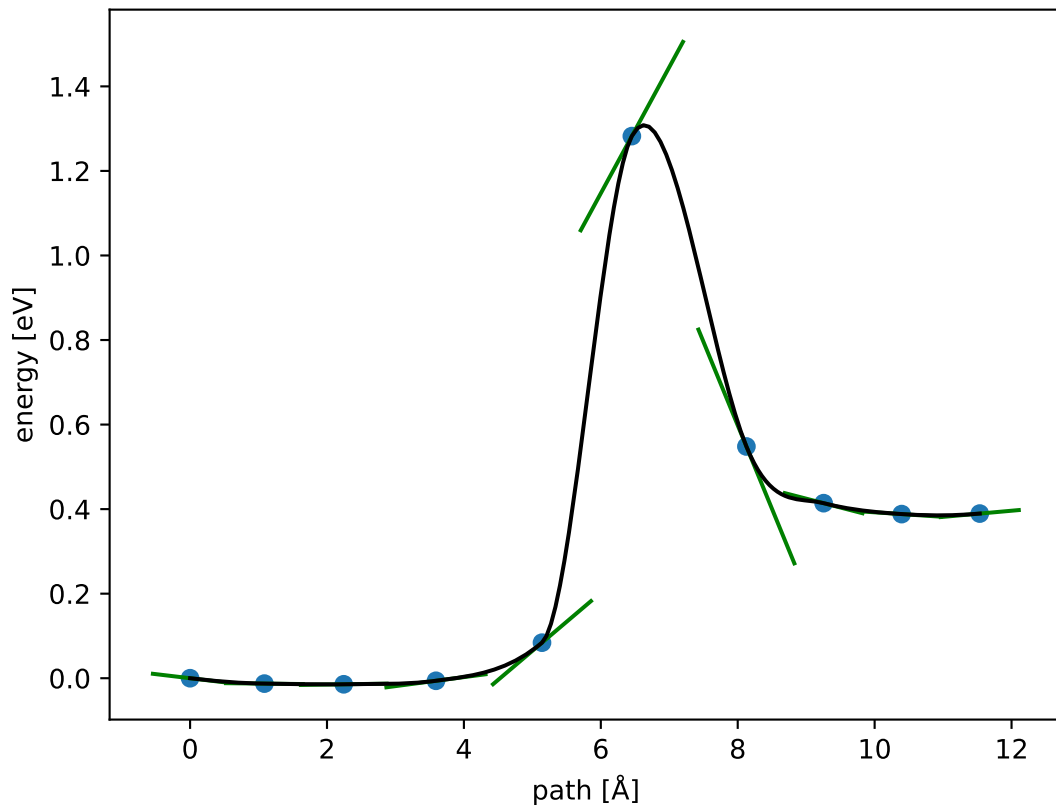
$$E_f \approx 1.295 \text{ eV}; E_r \approx 0.905 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



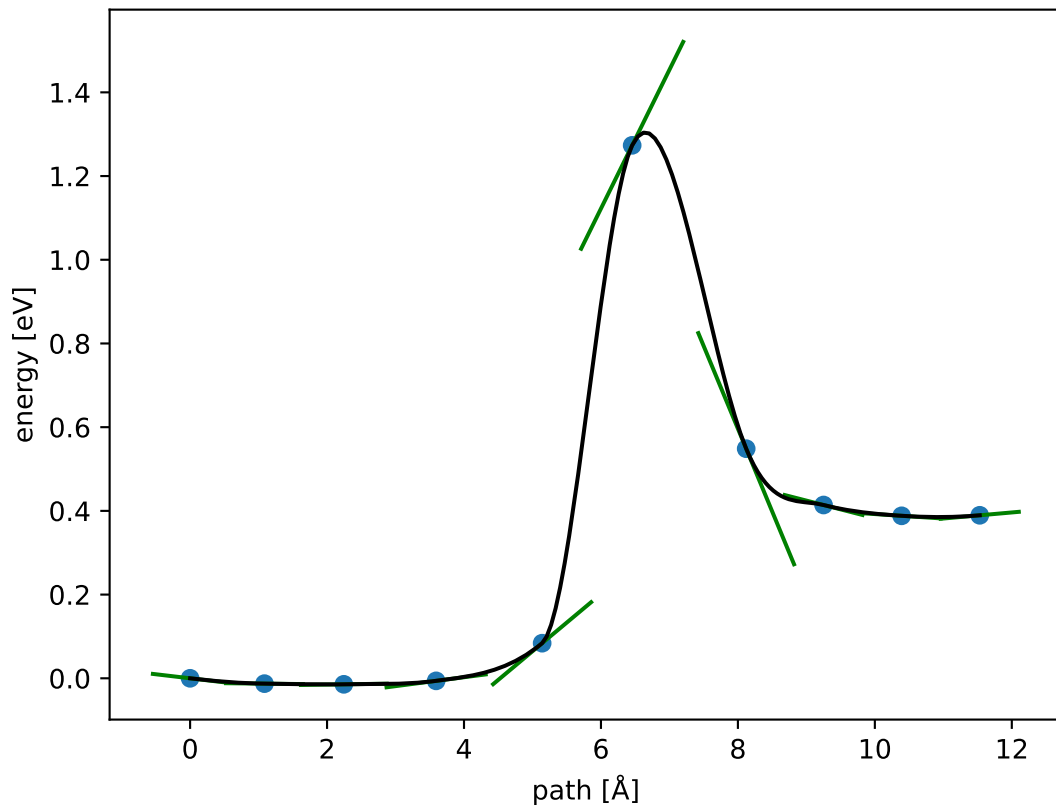
$$E_f \approx 1.289 \text{ eV}; E_r \approx 0.900 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



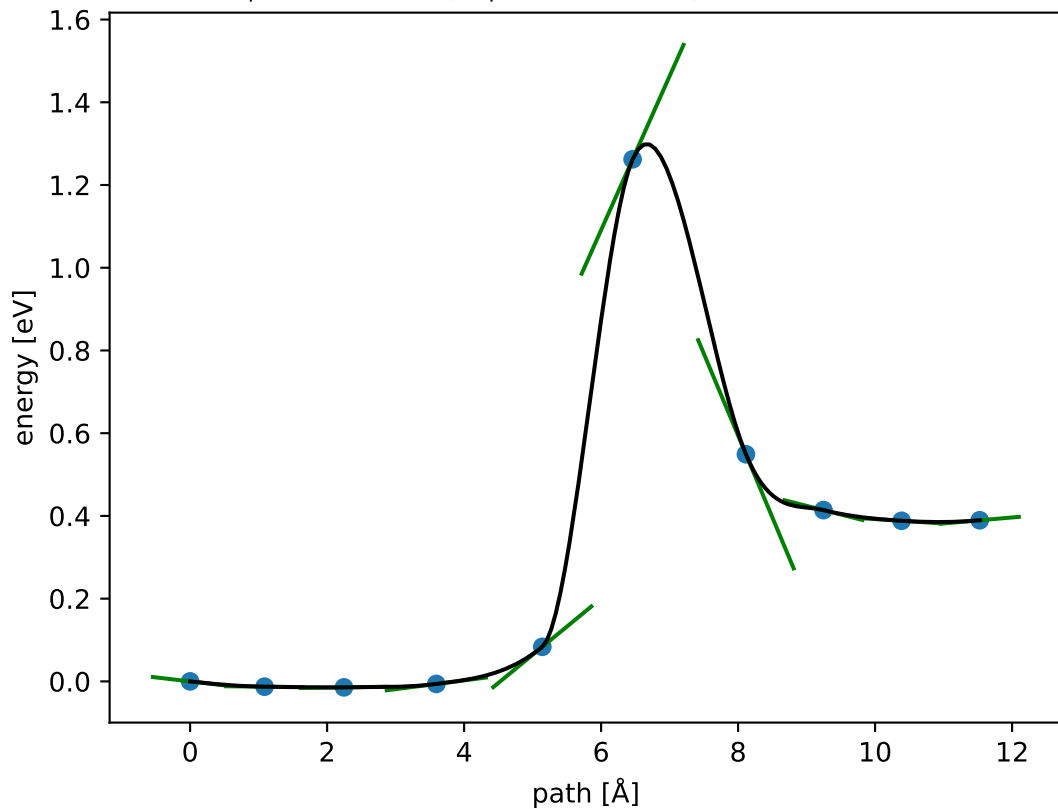
$$E_f \approx 1.282 \text{ eV}; E_r \approx 0.893 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



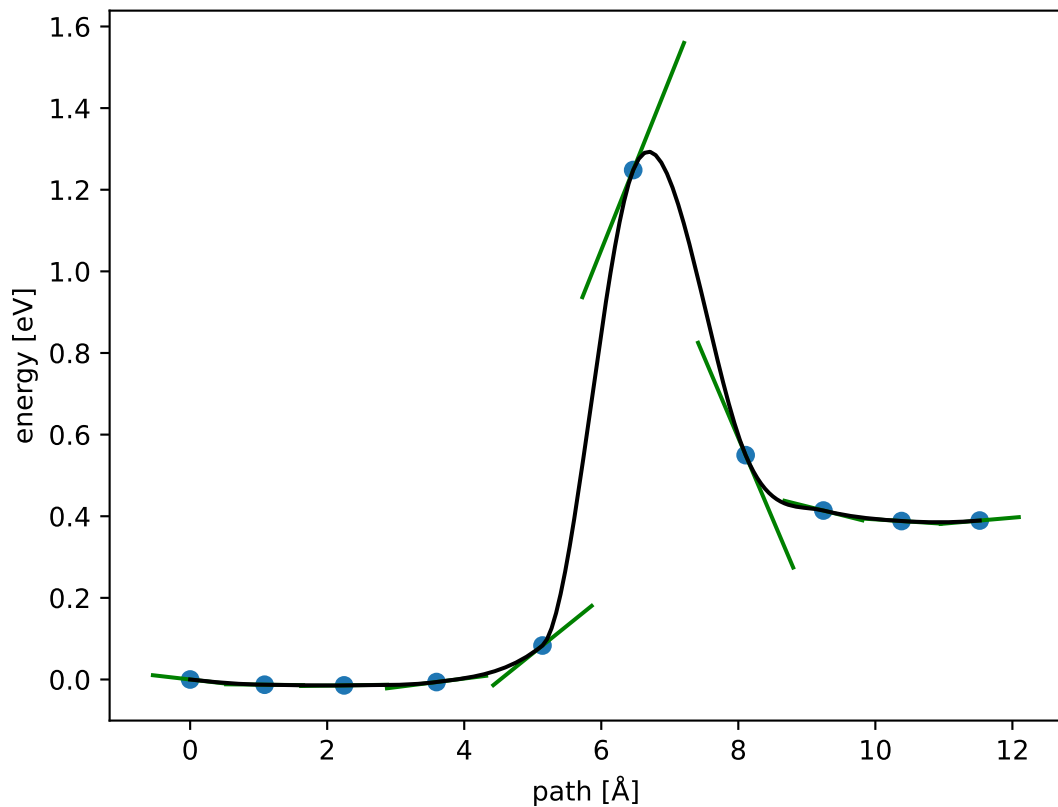
$$E_f \approx 1.273 \text{ eV}; E_r \approx 0.884 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.262 \text{ eV}; E_r \approx 0.873 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

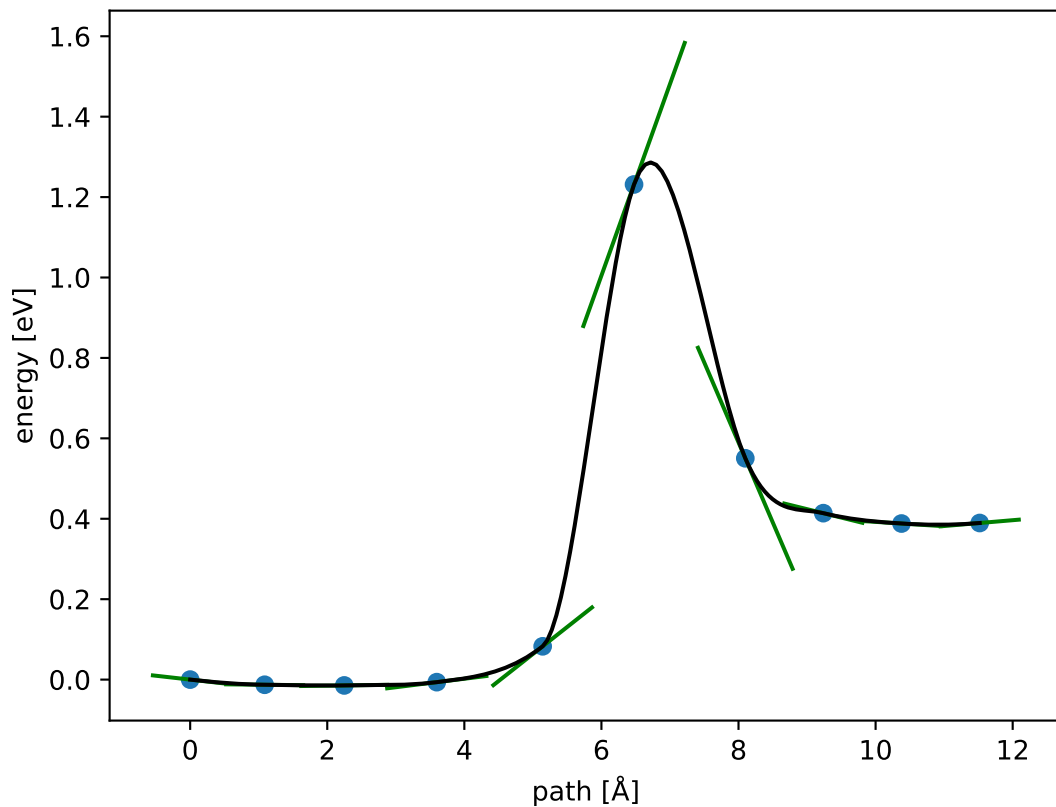


$$E_f \approx 1.248 \text{ eV}; E_r \approx 0.859 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

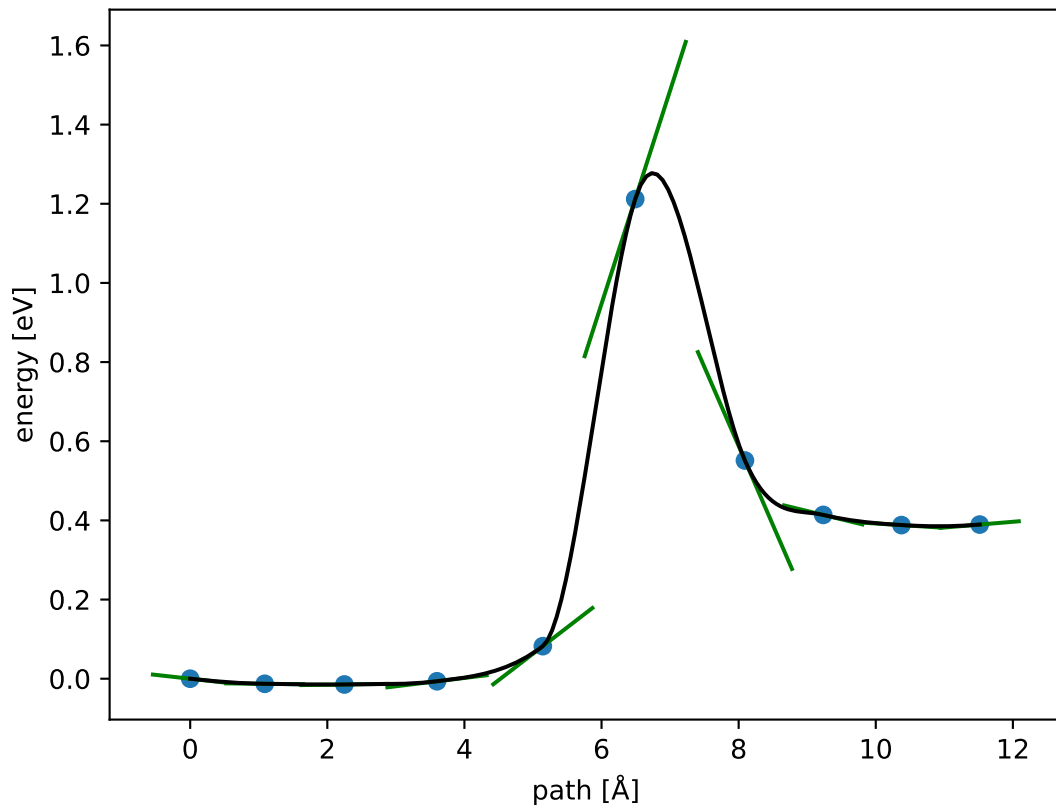




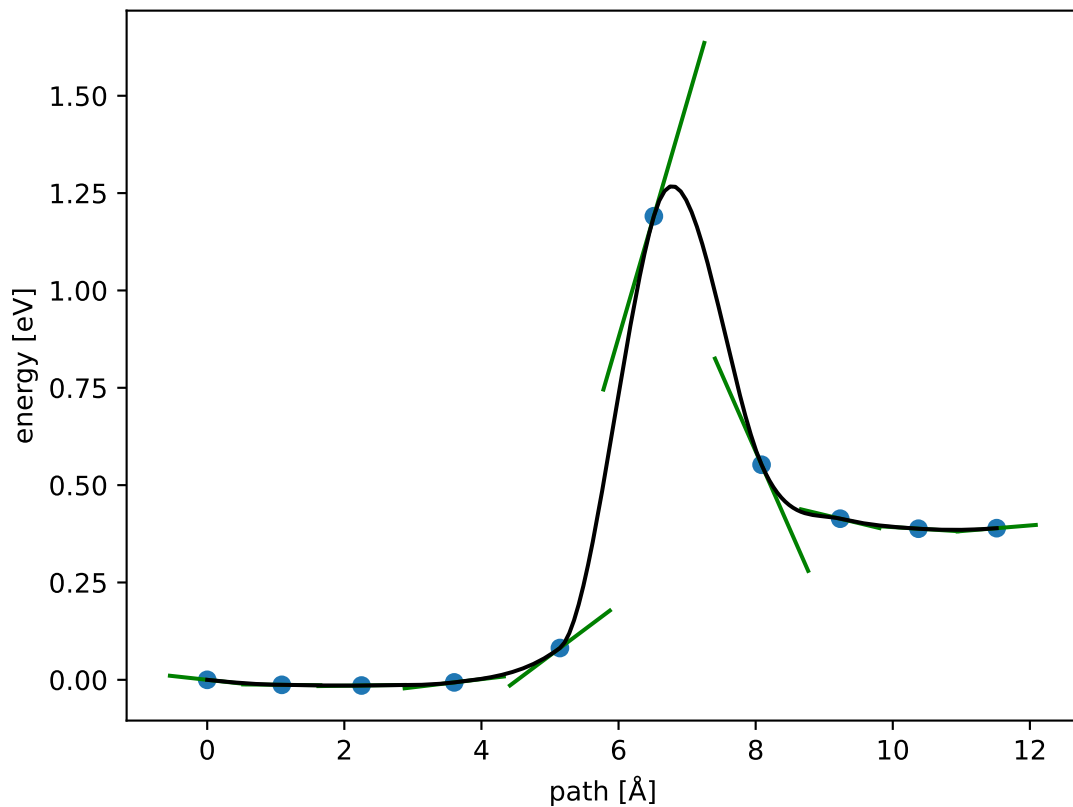
$$E_f \approx 1.231 \text{ eV}; E_r \approx 0.842 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



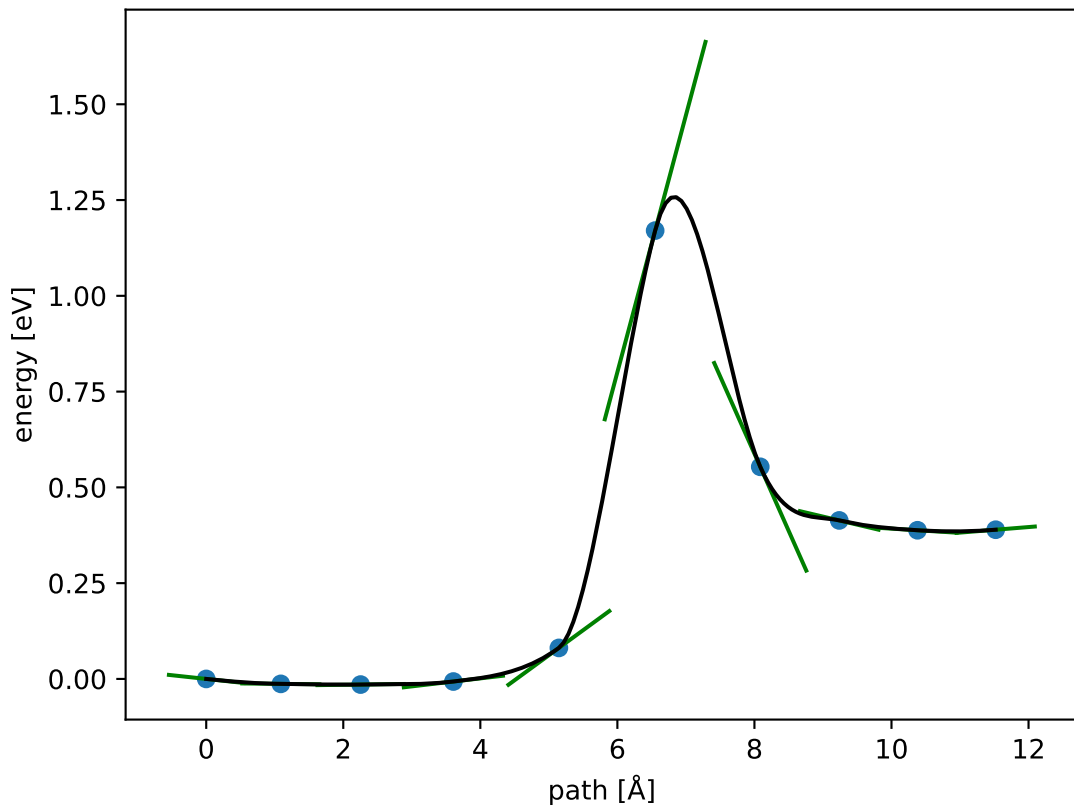
$$E_f \approx 1.212 \text{ eV}; E_r \approx 0.822 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



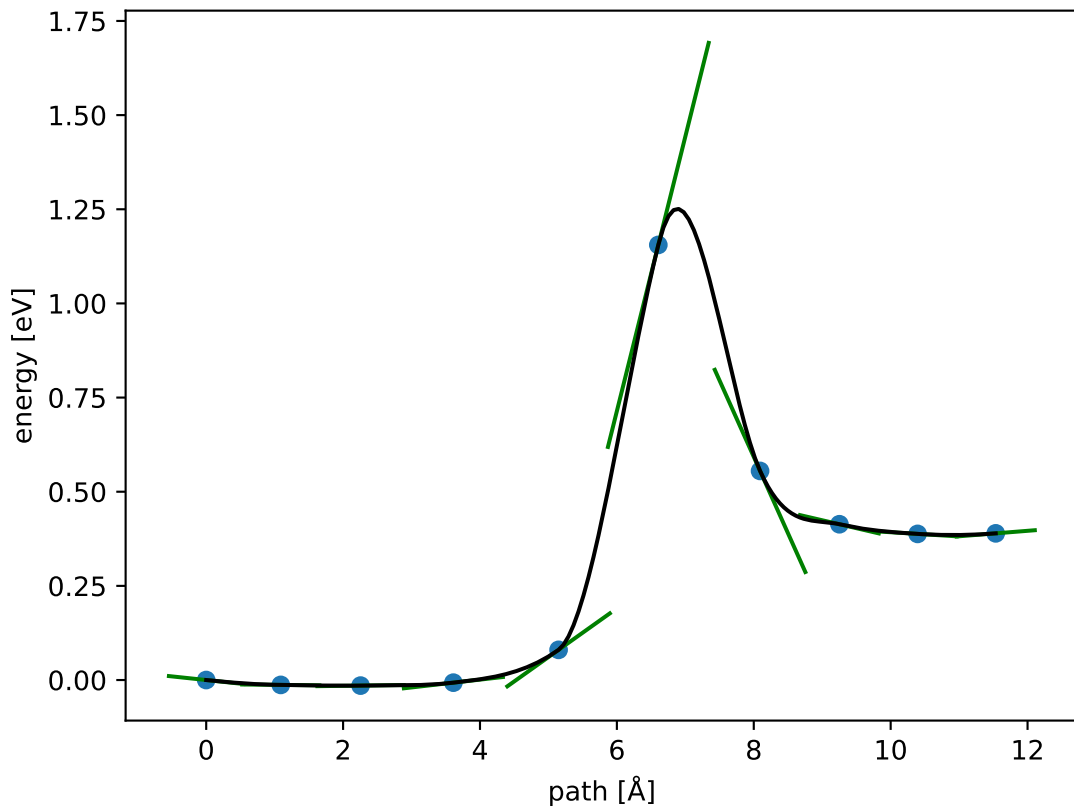
$$E_f \approx 1.191 \text{ eV}; E_r \approx 0.801 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



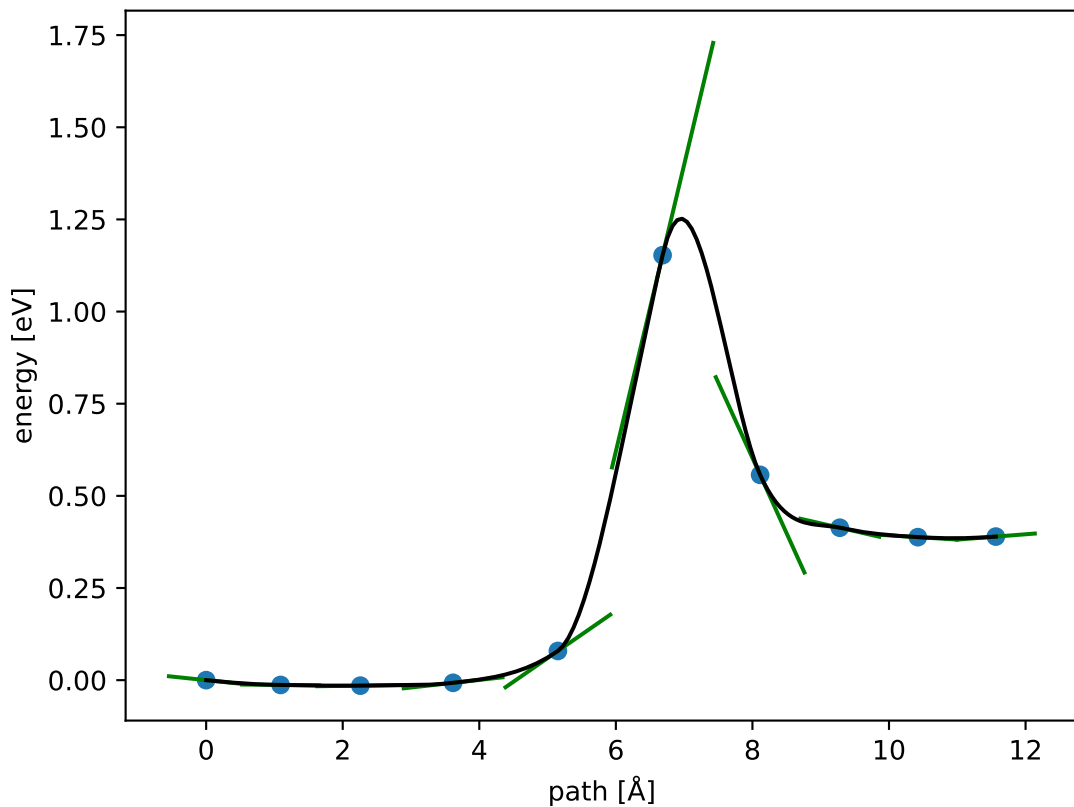
$$E_f \approx 1.170 \text{ eV}; E_r \approx 0.781 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



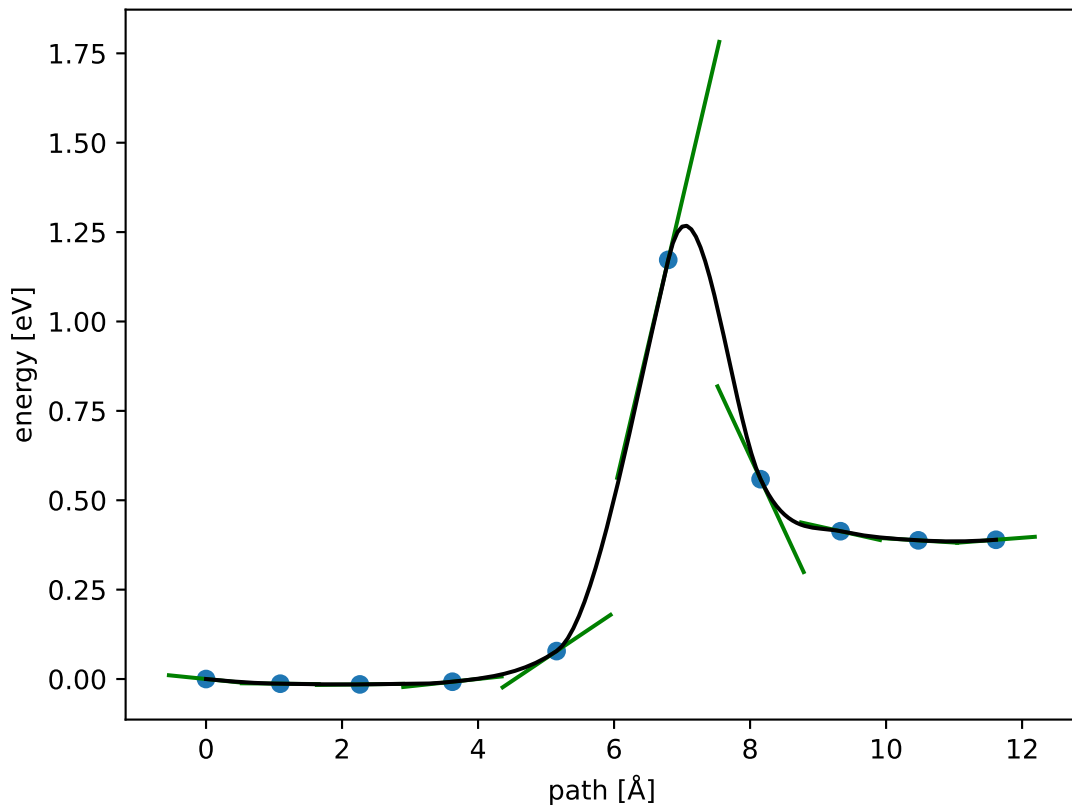
$$E_f \approx 1.155 \text{ eV}; E_r \approx 0.766 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



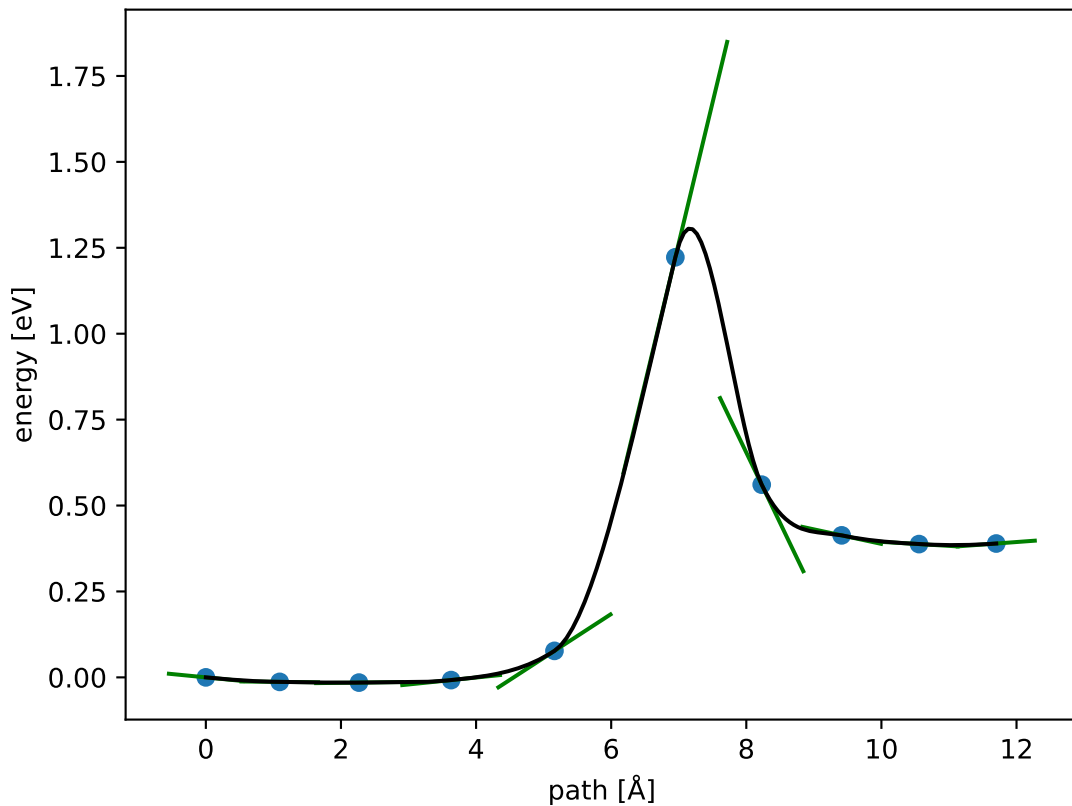
$$E_f \approx 1.153 \text{ eV}; E_r \approx 0.764 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.172 \text{ eV}; E_r \approx 0.783 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

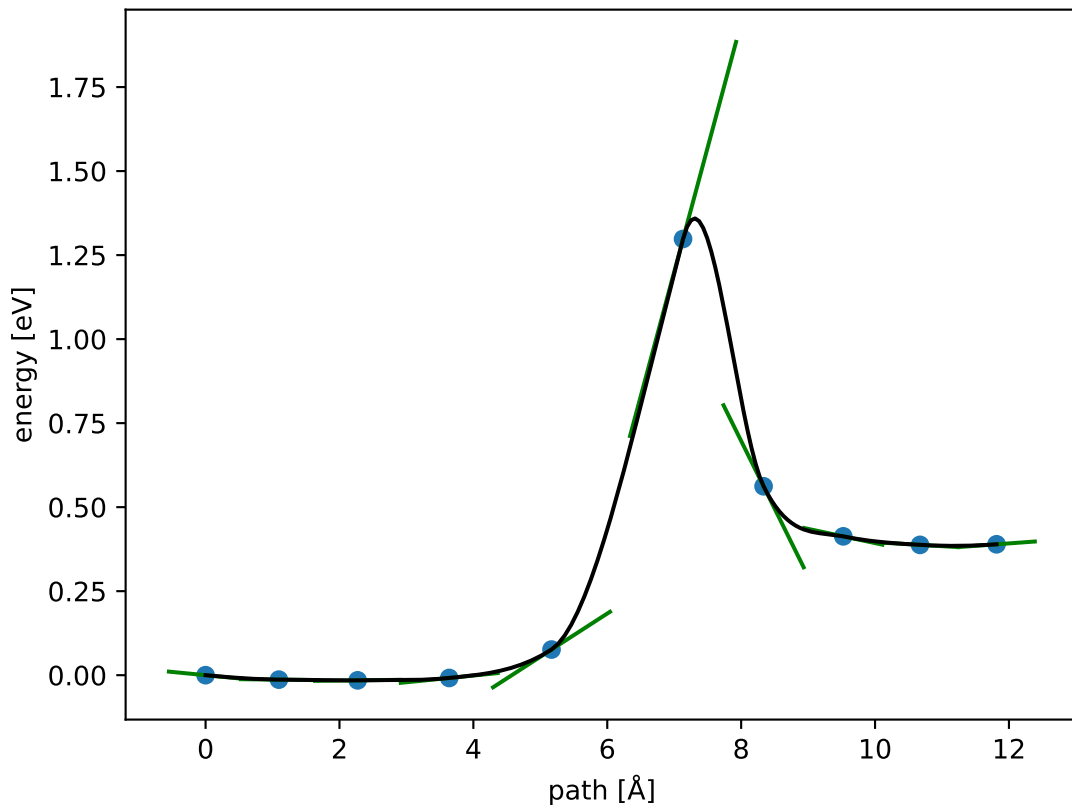


$$E_f \approx 1.222 \text{ eV}; E_r \approx 0.833 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

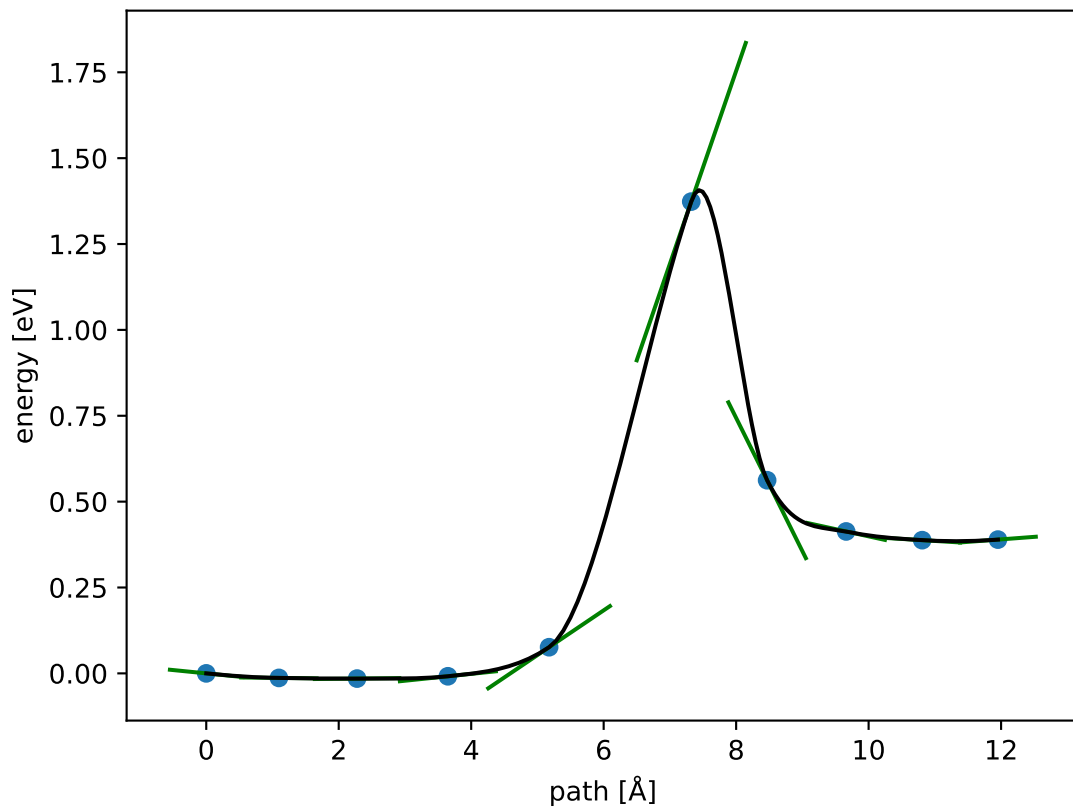




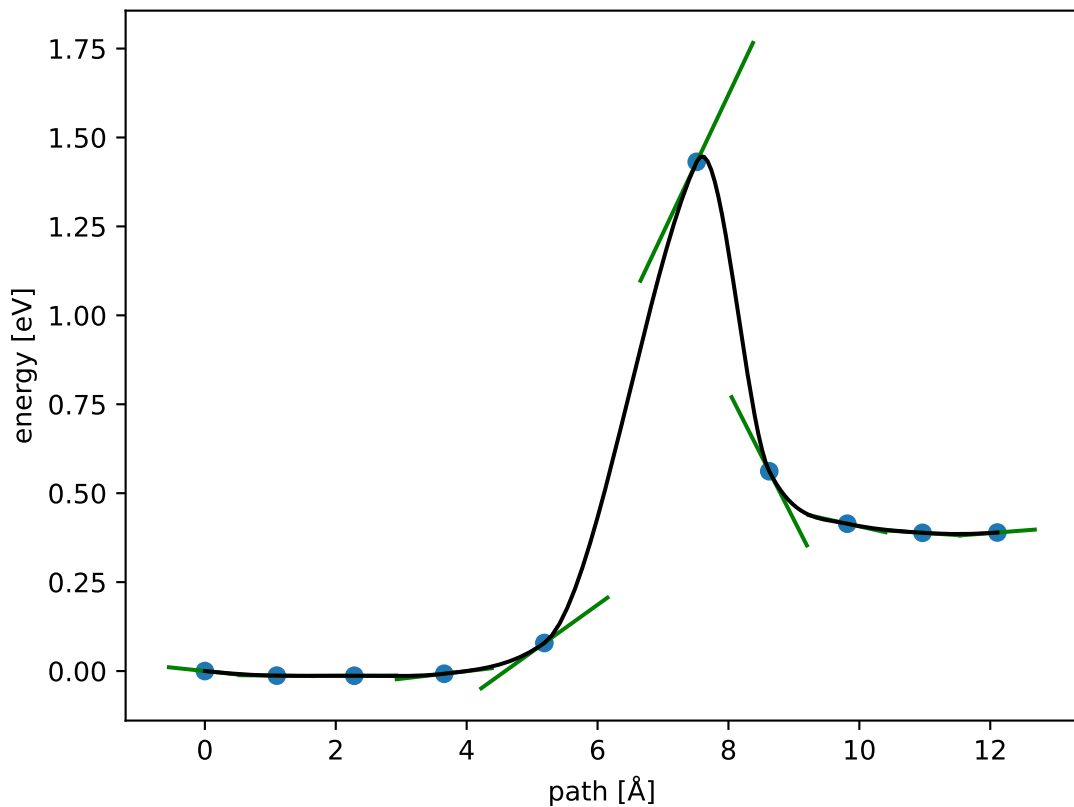
$$E_f \approx 1.298 \text{ eV}; E_r \approx 0.909 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



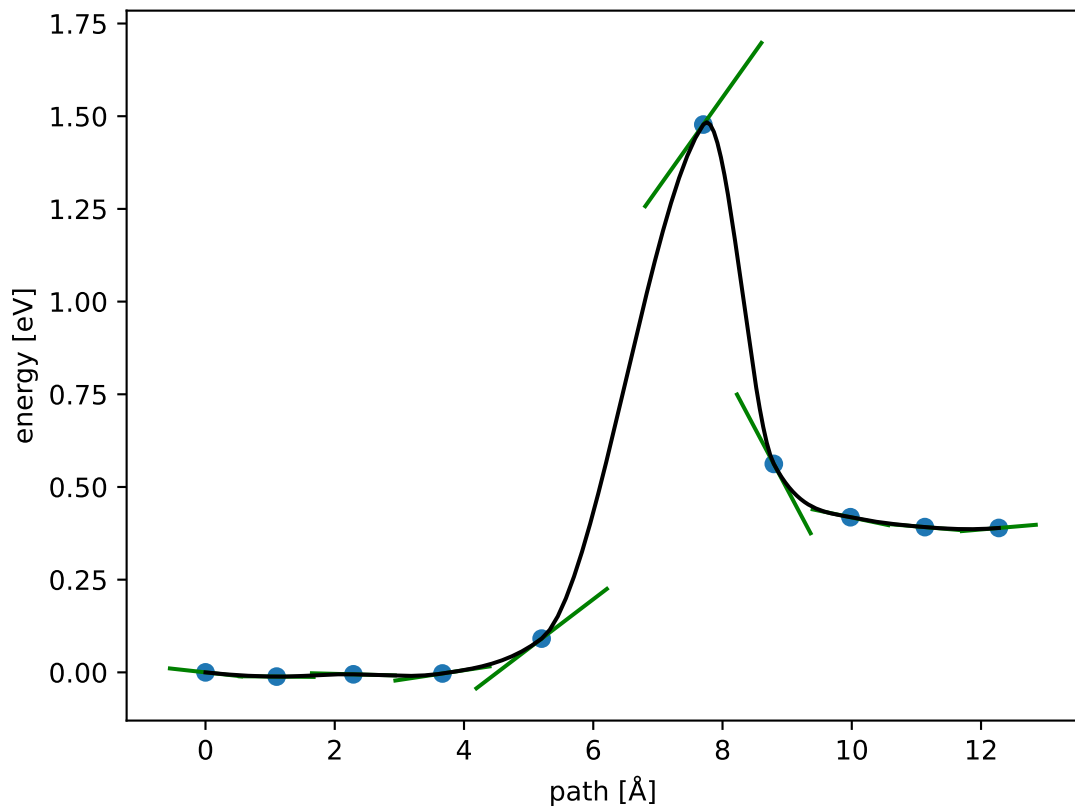
$$E_f \approx 1.374 \text{ eV}; E_r \approx 0.984 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



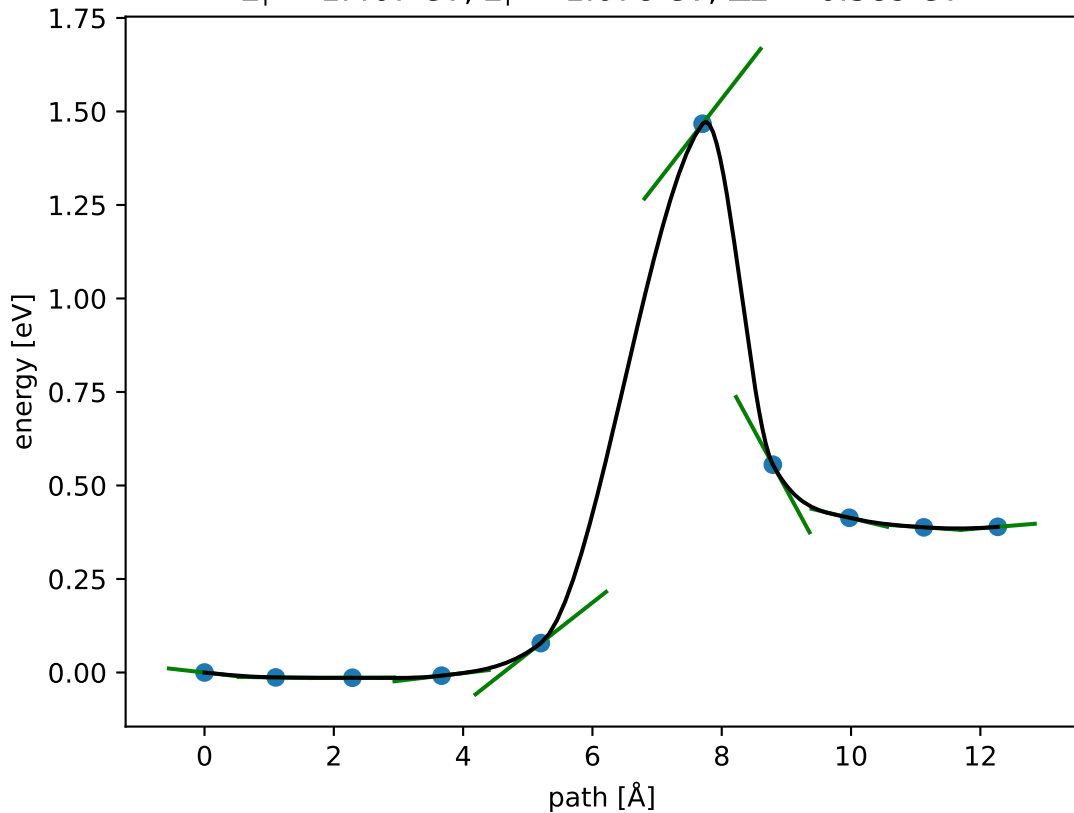
$$E_f \approx 1.432 \text{ eV}; E_r \approx 1.042 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



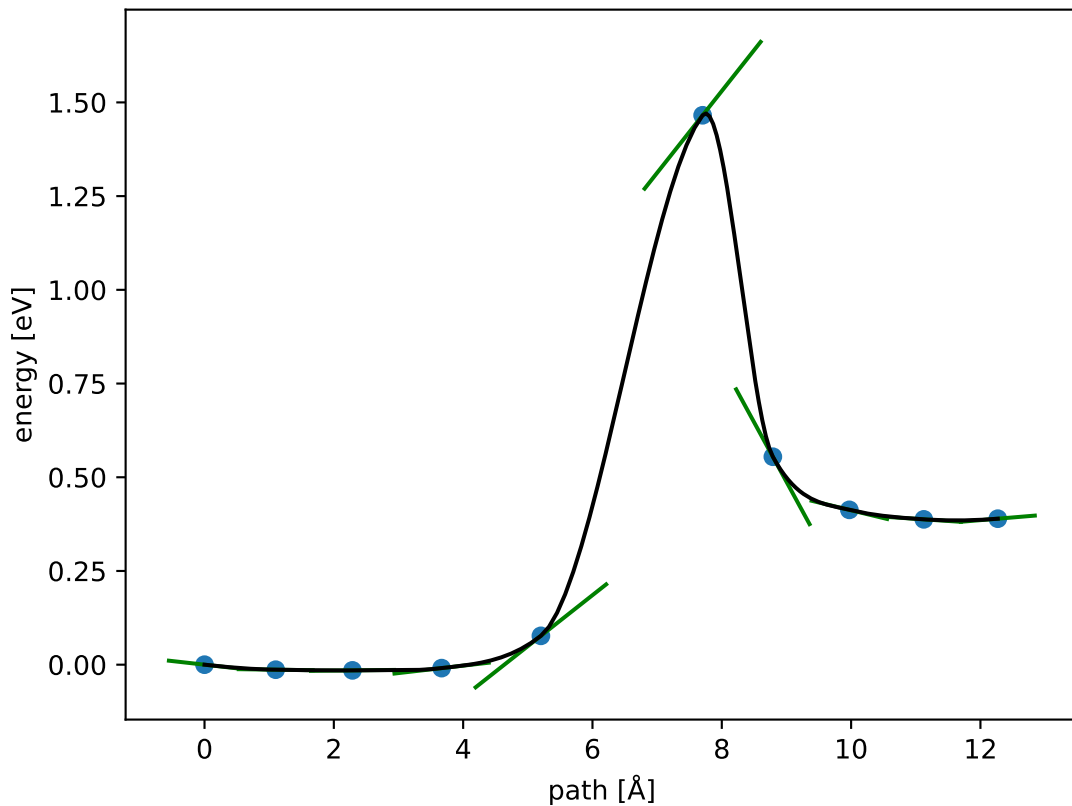
$$E_f \approx 1.477 \text{ eV}; E_r \approx 1.088 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



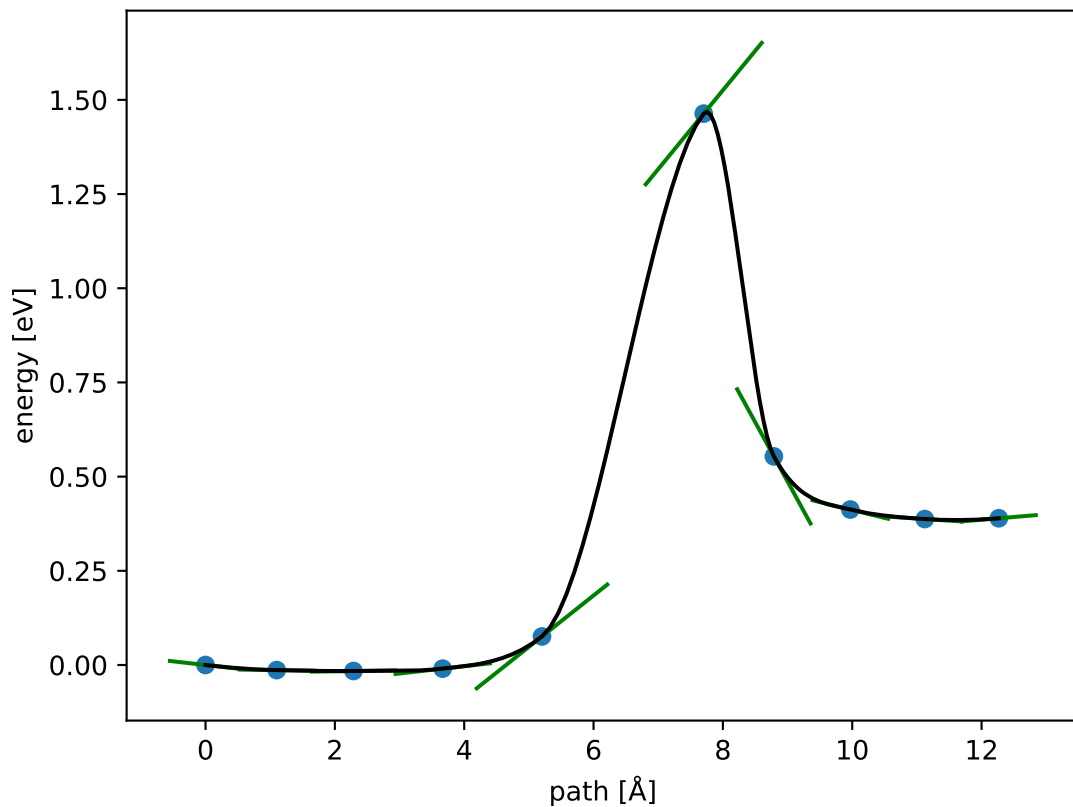
$$E_f \approx 1.467 \text{ eV}; E_r \approx 1.078 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



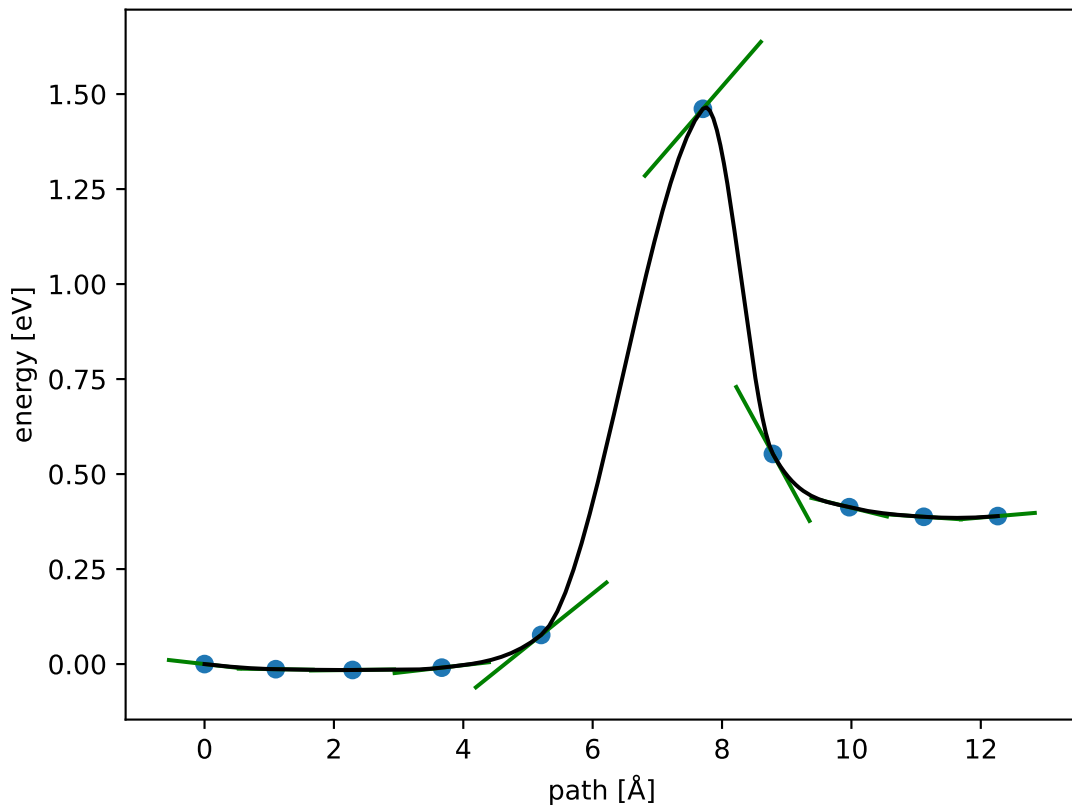
$$E_f \approx 1.466 \text{ eV}; E_r \approx 1.076 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.464 \text{ eV}; E_r \approx 1.074 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

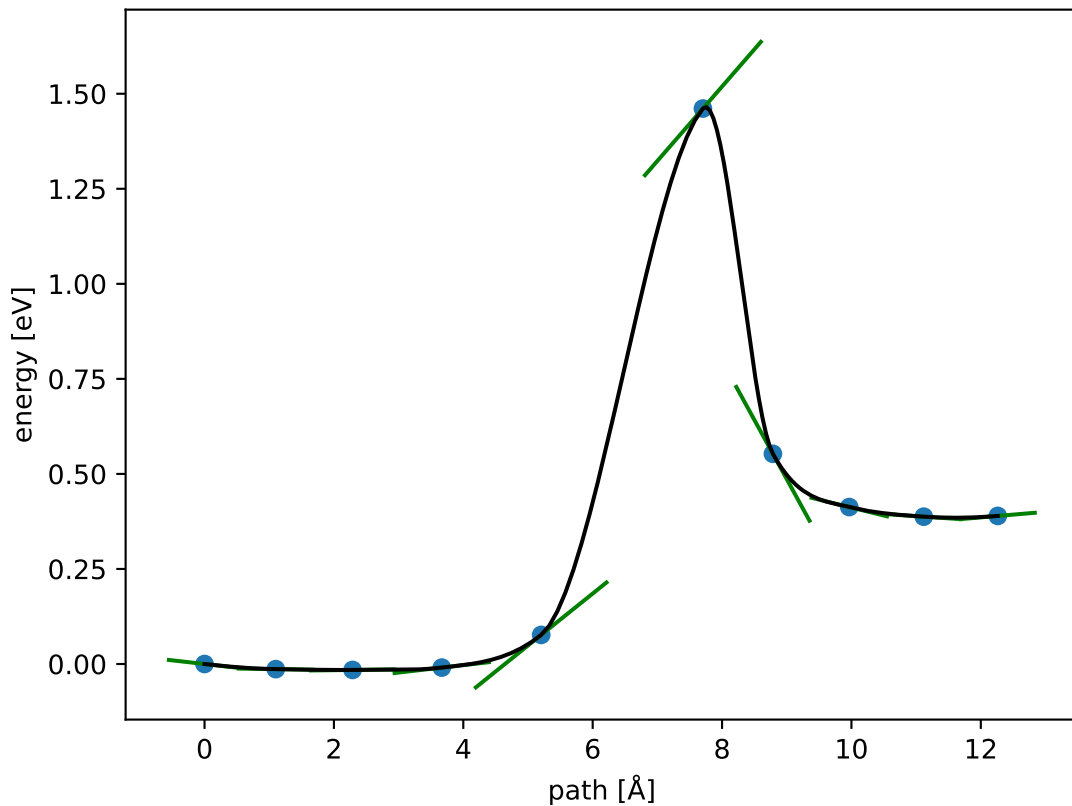


$$E_f \approx 1.461 \text{ eV}; E_r \approx 1.072 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

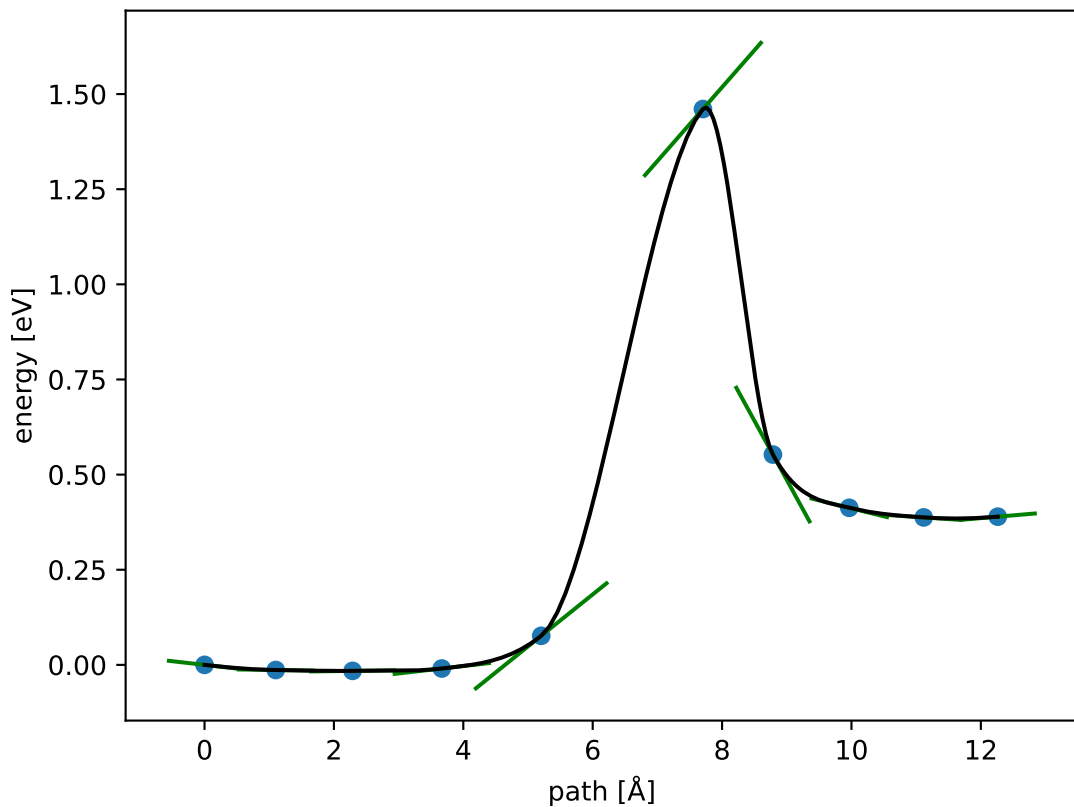




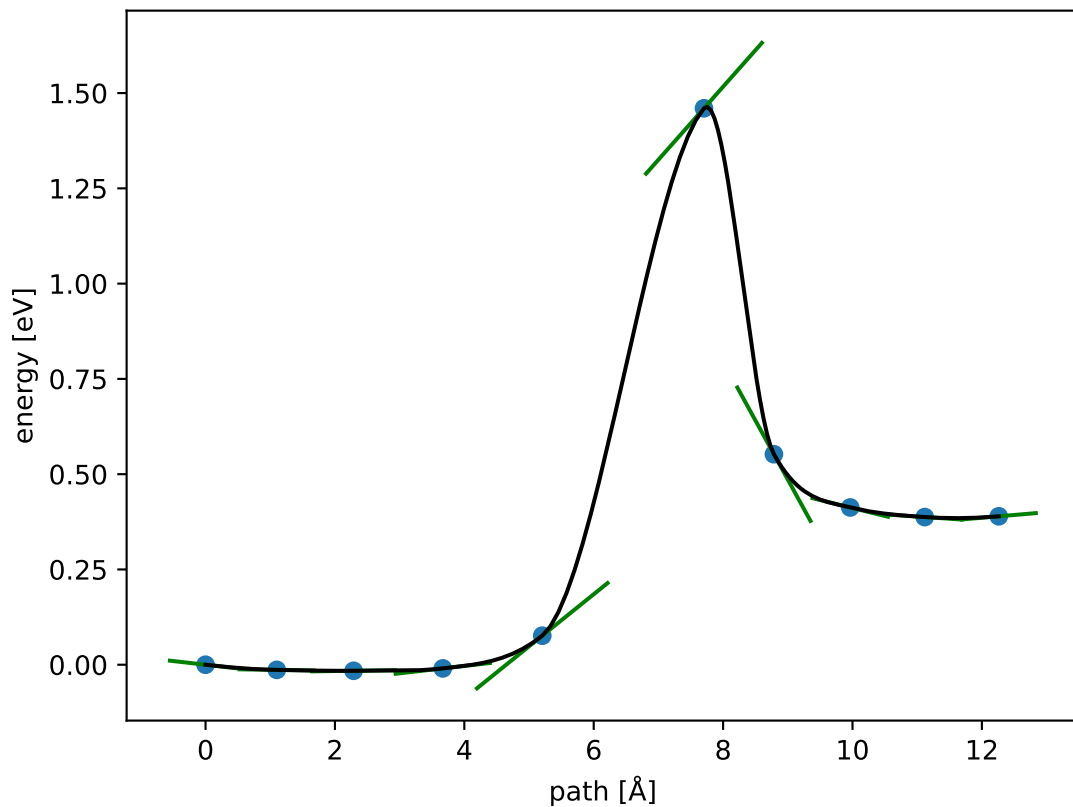
$$E_f \approx 1.461 \text{ eV}; E_r \approx 1.072 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



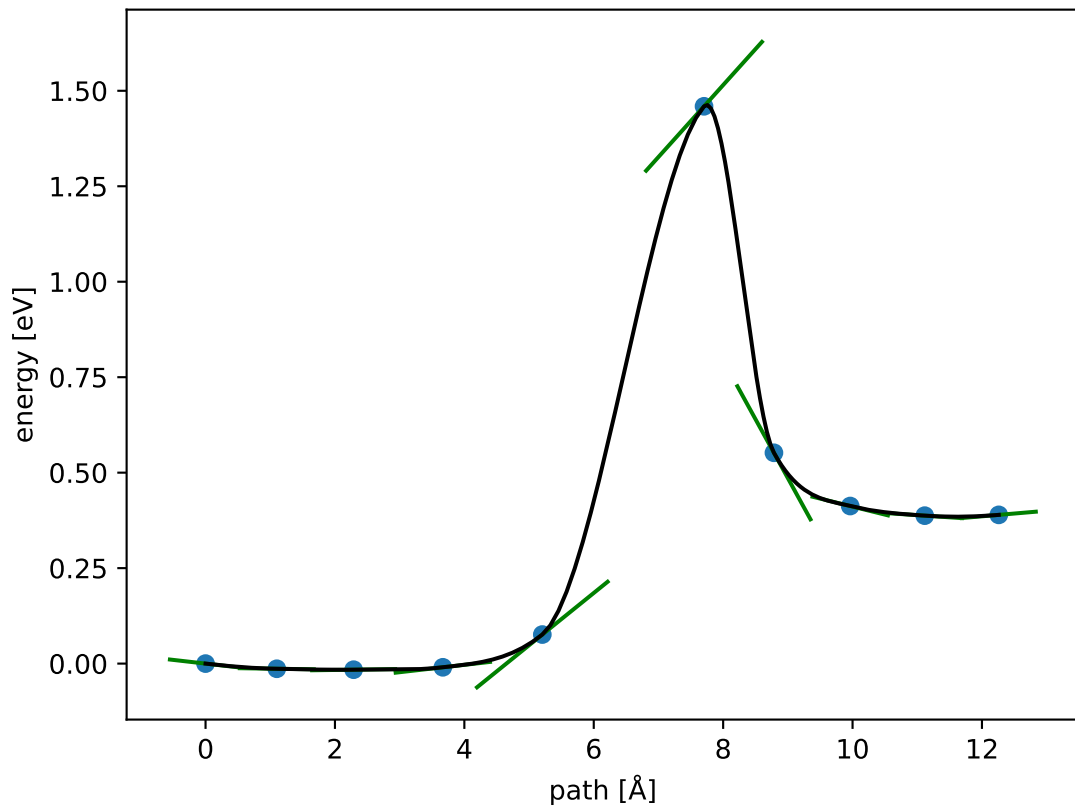
$$E_f \approx 1.461 \text{ eV}; E_r \approx 1.071 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



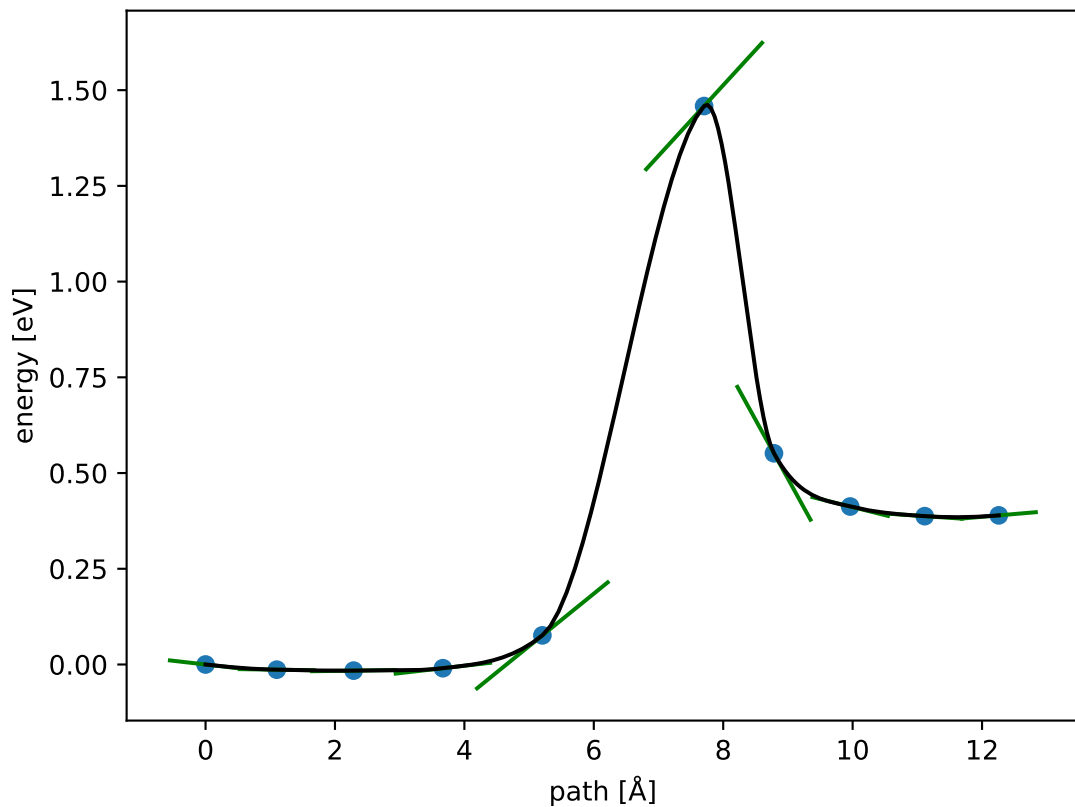
$$E_f \approx 1.460 \text{ eV}; E_r \approx 1.071 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



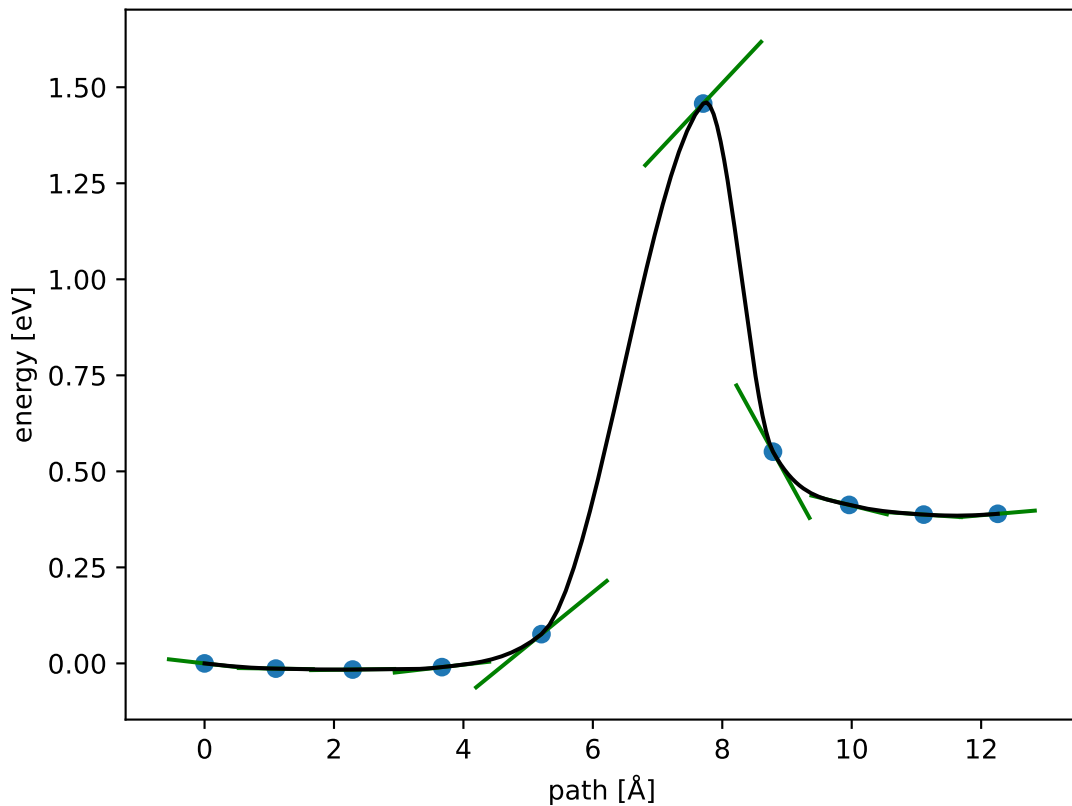
$$E_f \approx 1.459 \text{ eV}; E_r \approx 1.070 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



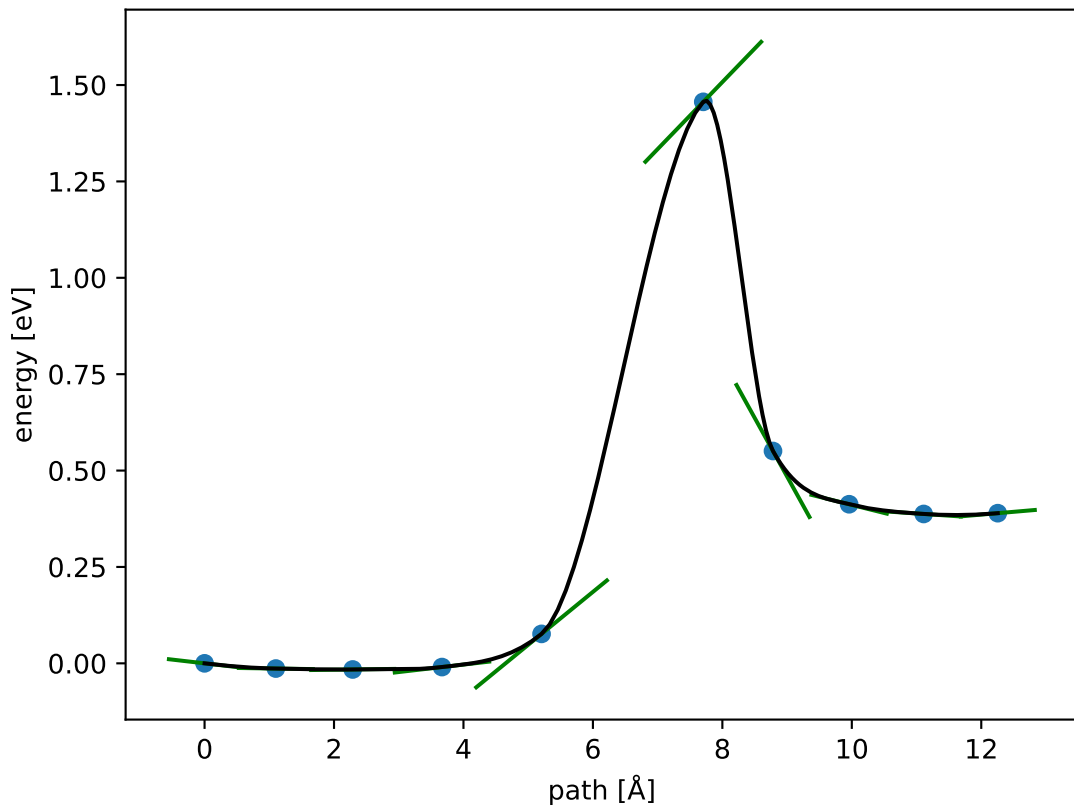
$$E_f \approx 1.459 \text{ eV}; E_r \approx 1.069 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



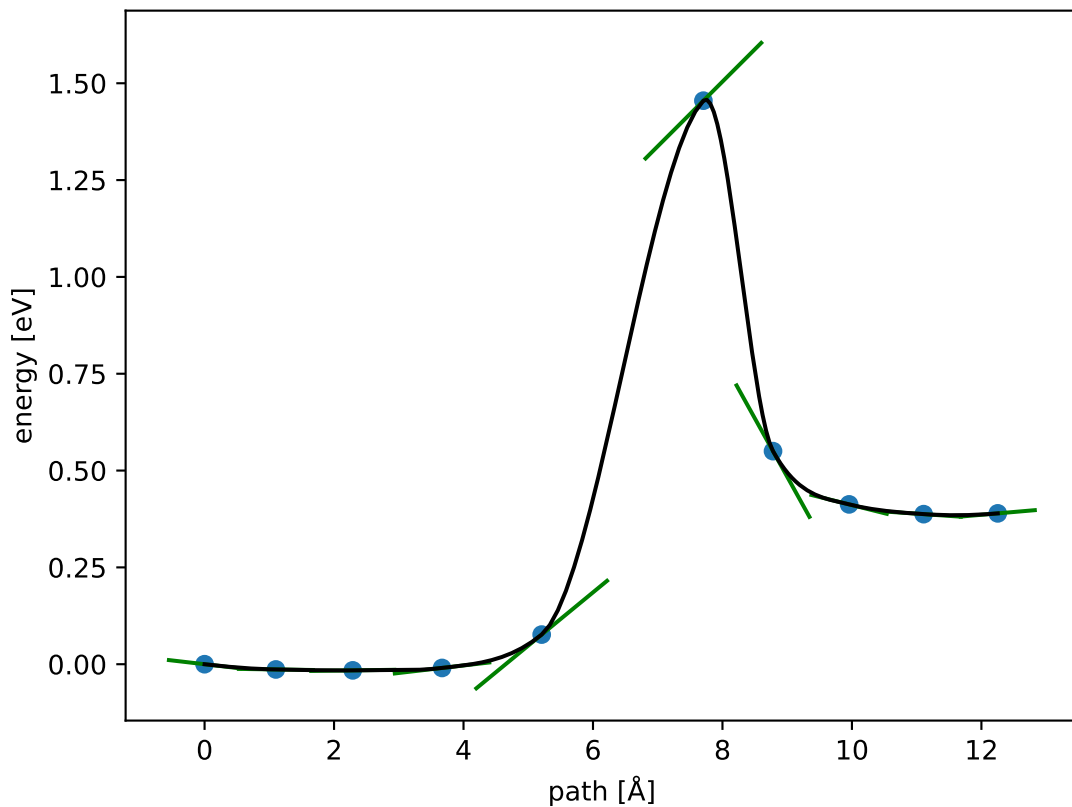
$$E_f \approx 1.458 \text{ eV}; E_r \approx 1.068 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.456 \text{ eV}; E_r \approx 1.067 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

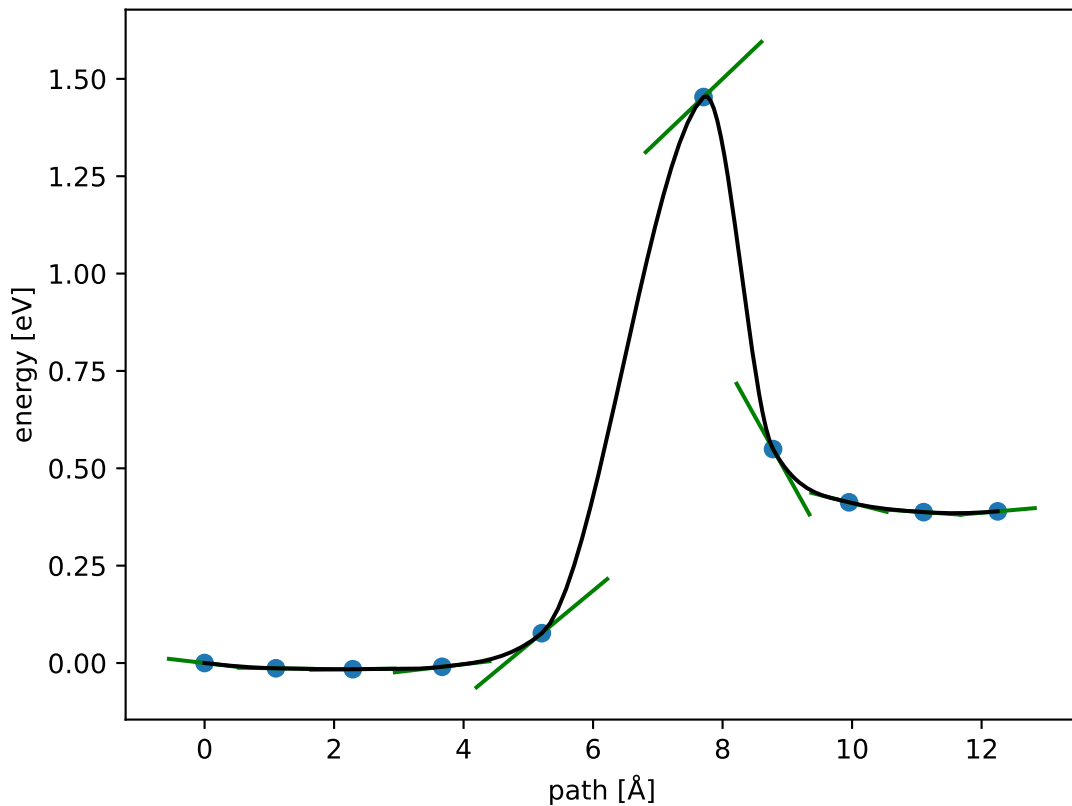


$$E_f \approx 1.455 \text{ eV}; E_r \approx 1.066 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

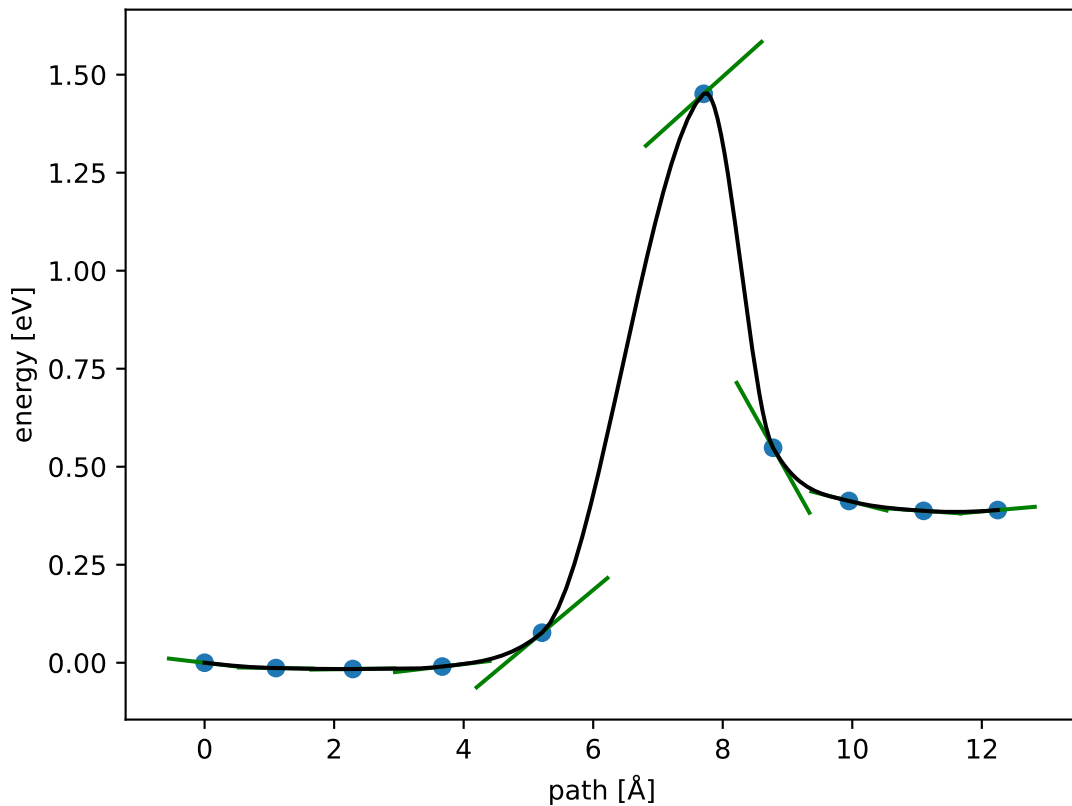




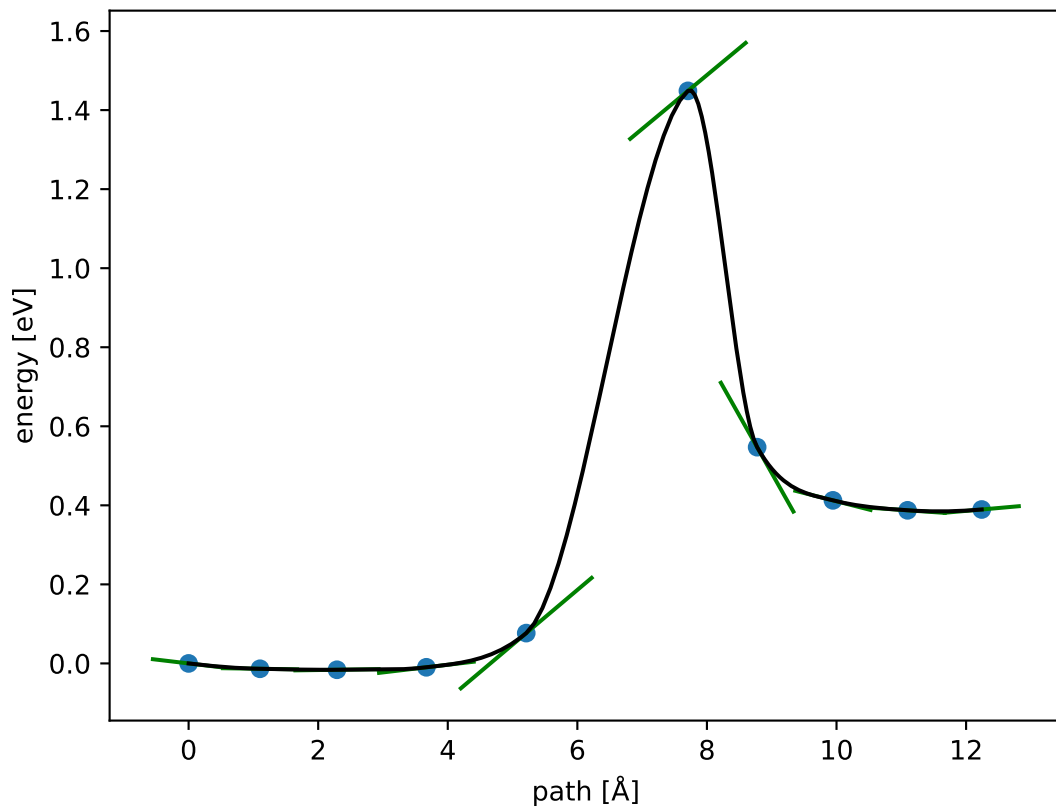
$$E_f \approx 1.453 \text{ eV}; E_r \approx 1.064 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



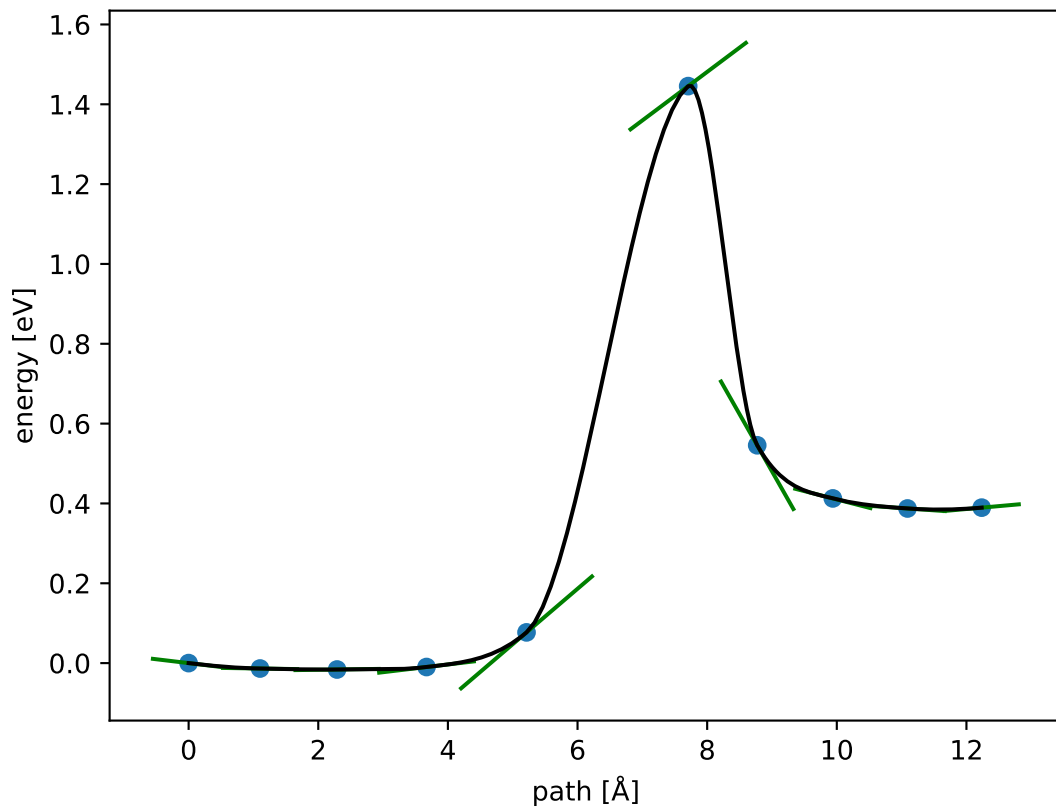
$$E_f \approx 1.451 \text{ eV}; E_r \approx 1.062 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



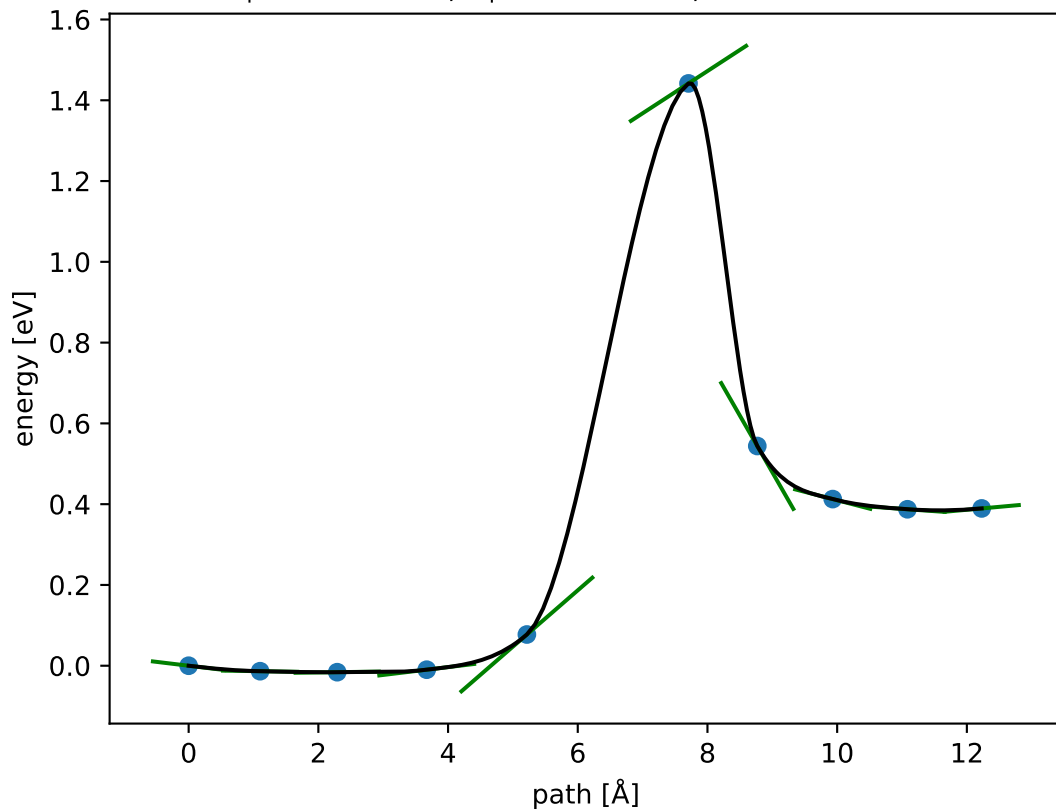
$$E_f \approx 1.449 \text{ eV}; E_r \approx 1.059 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



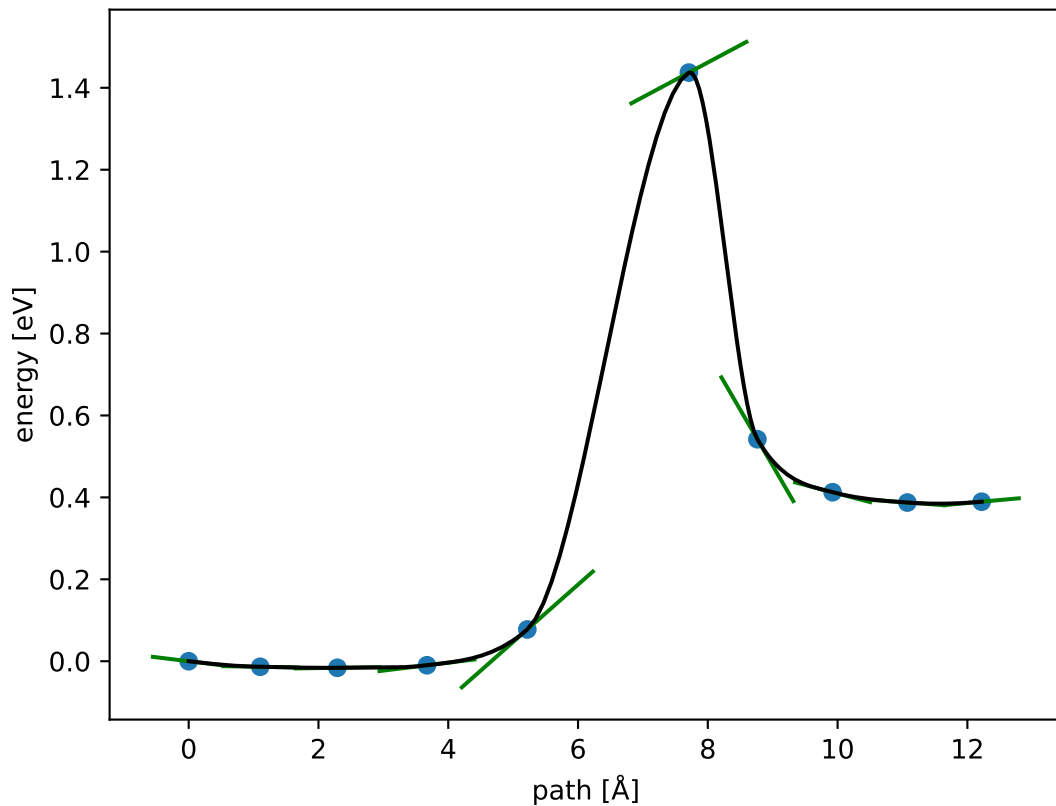
$$E_f \approx 1.446 \text{ eV}; E_r \approx 1.056 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



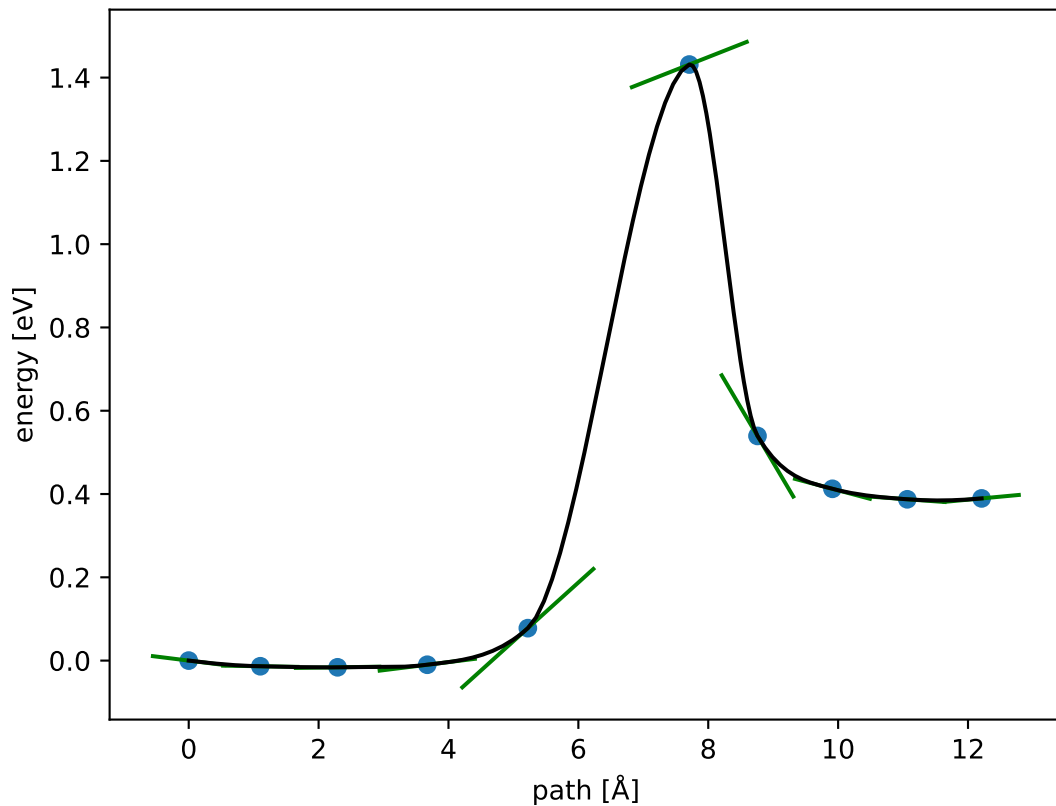
$$E_f \approx 1.442 \text{ eV}; E_r \approx 1.052 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



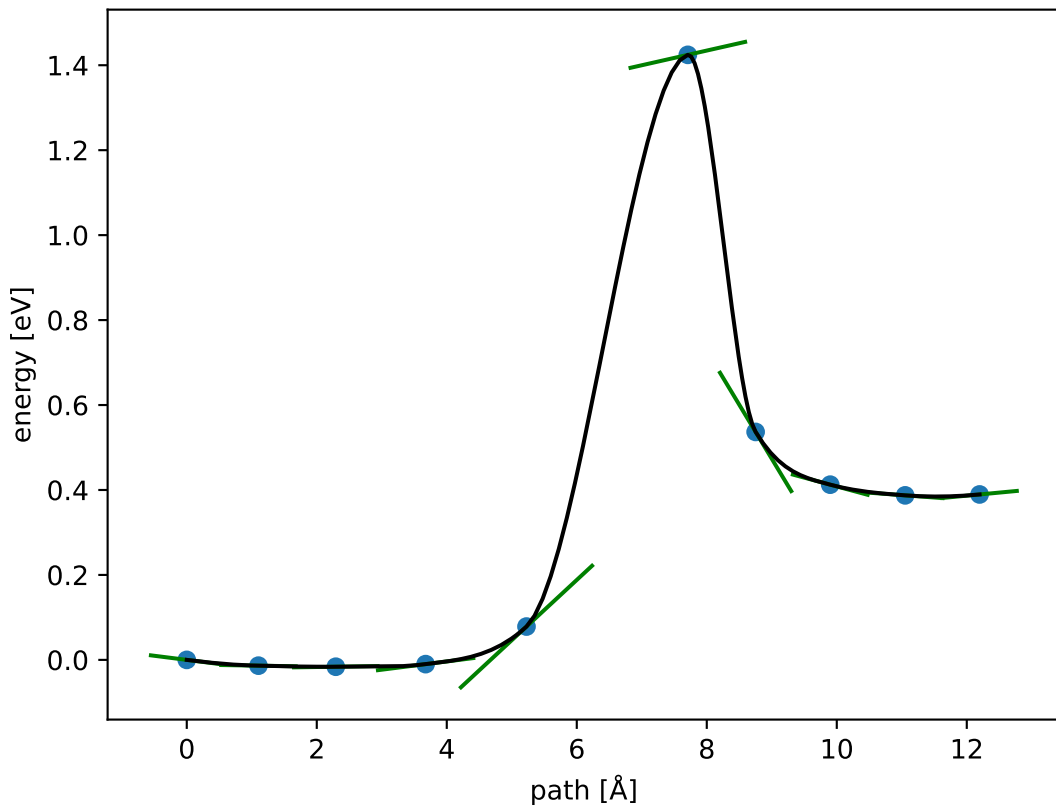
$$E_f \approx 1.437 \text{ eV}; E_r \approx 1.048 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.431 \text{ eV}; E_r \approx 1.042 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

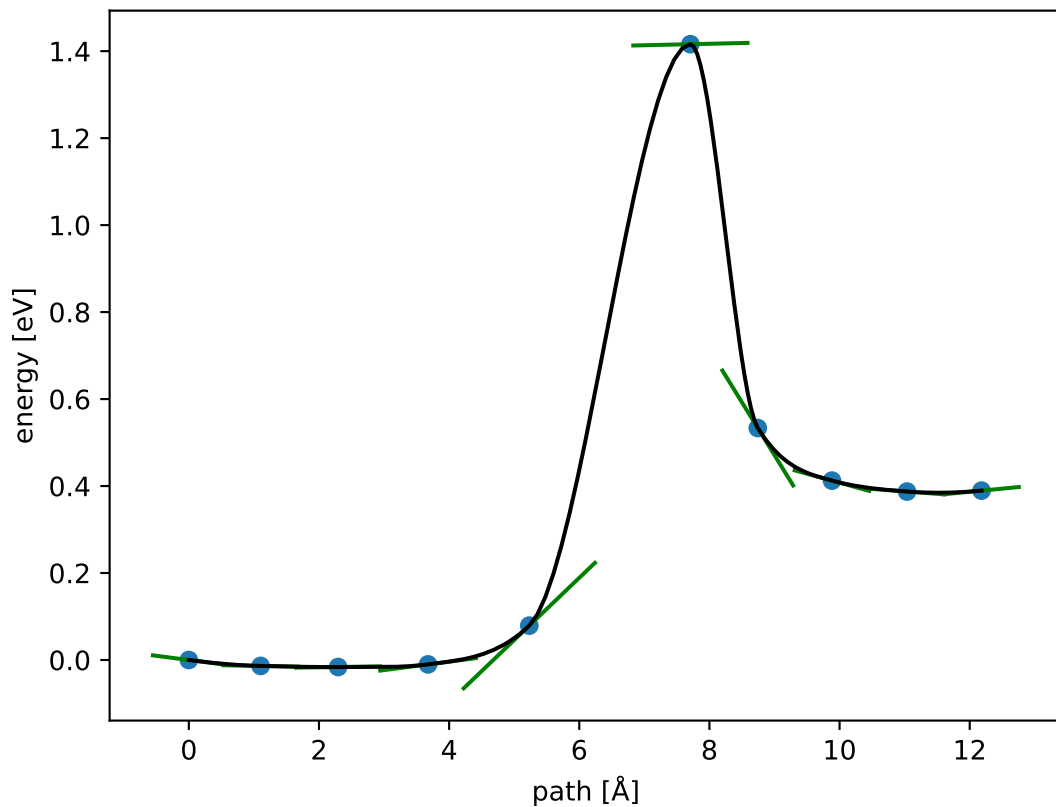


$$E_f \approx 1.424 \text{ eV}; E_r \approx 1.035 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

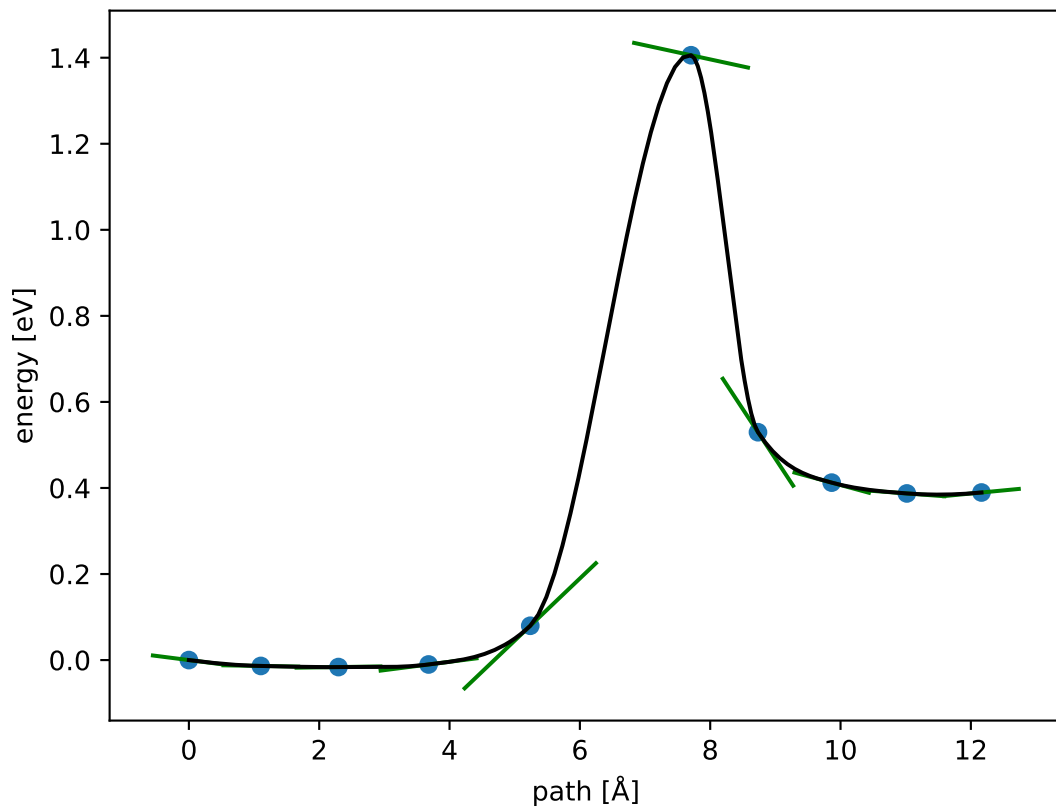




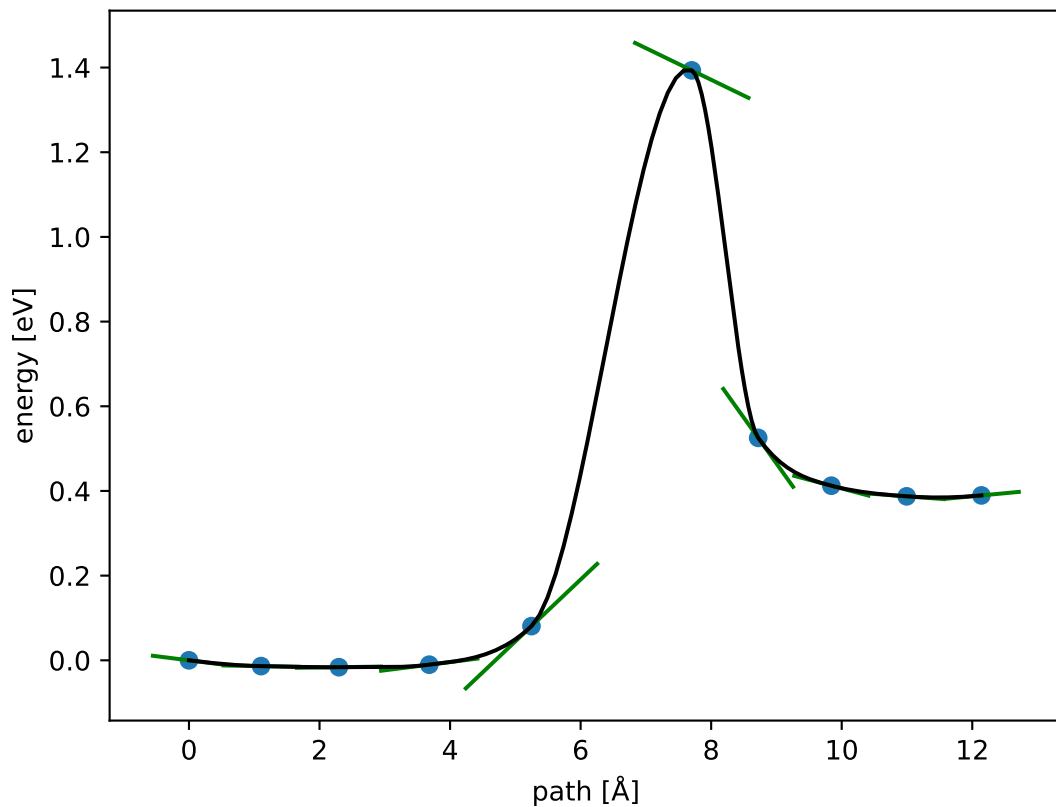
$$E_f \approx 1.416 \text{ eV}; E_r \approx 1.027 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



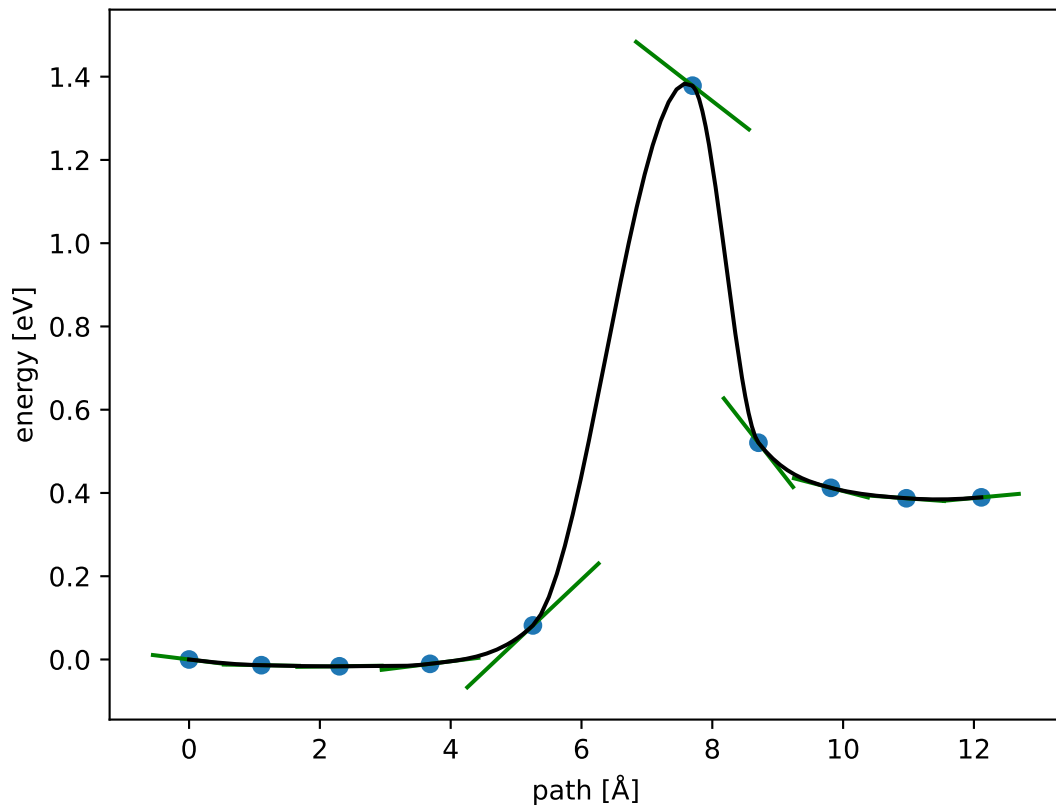
$$E_f \approx 1.406 \text{ eV}; E_r \approx 1.016 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



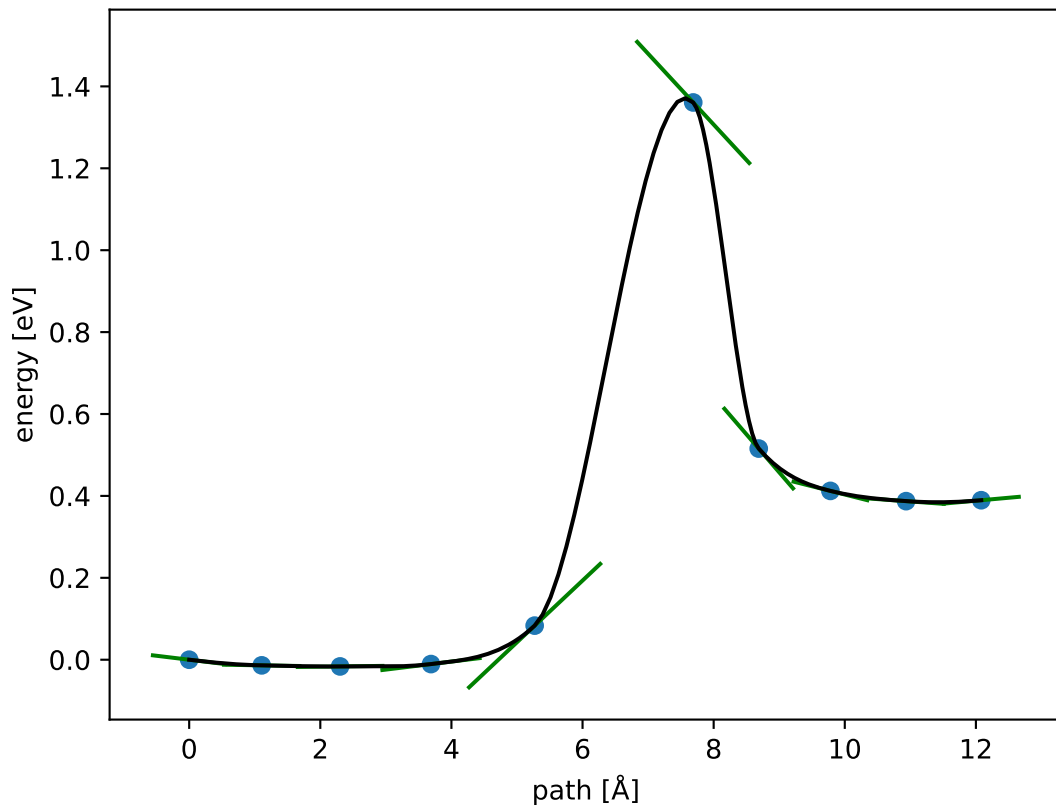
$$E_f \approx 1.393 \text{ eV}; E_r \approx 1.004 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



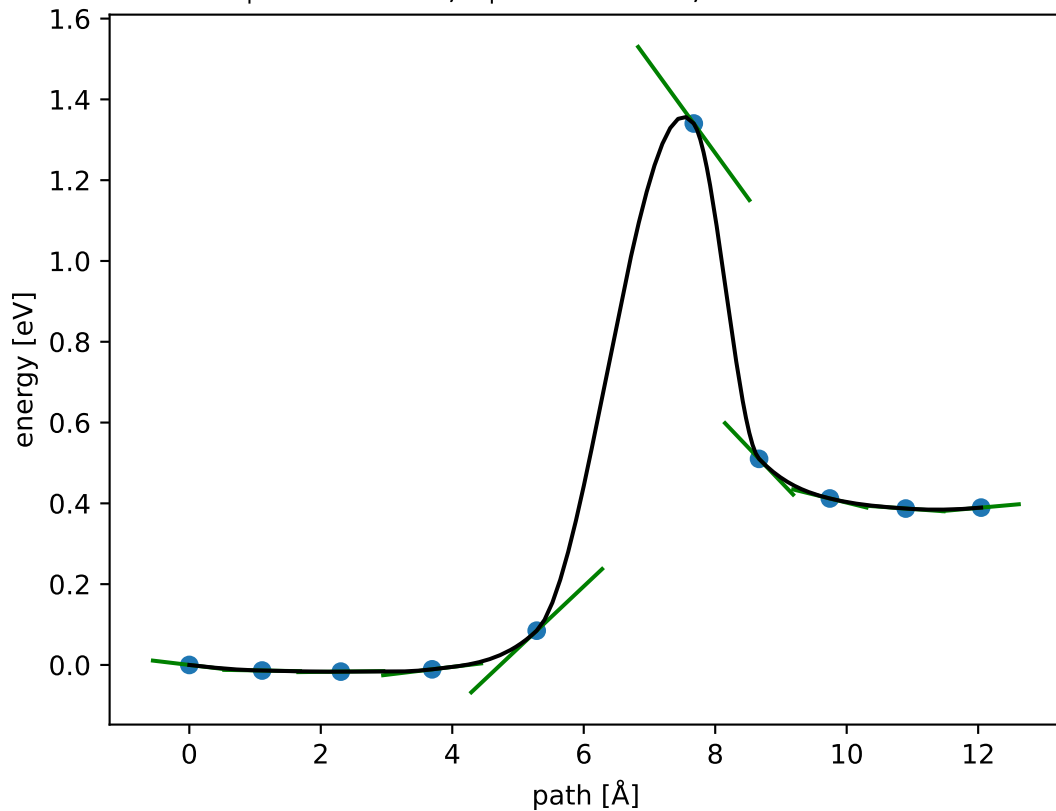
$$E_f \approx 1.378 \text{ eV}; E_r \approx 0.989 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



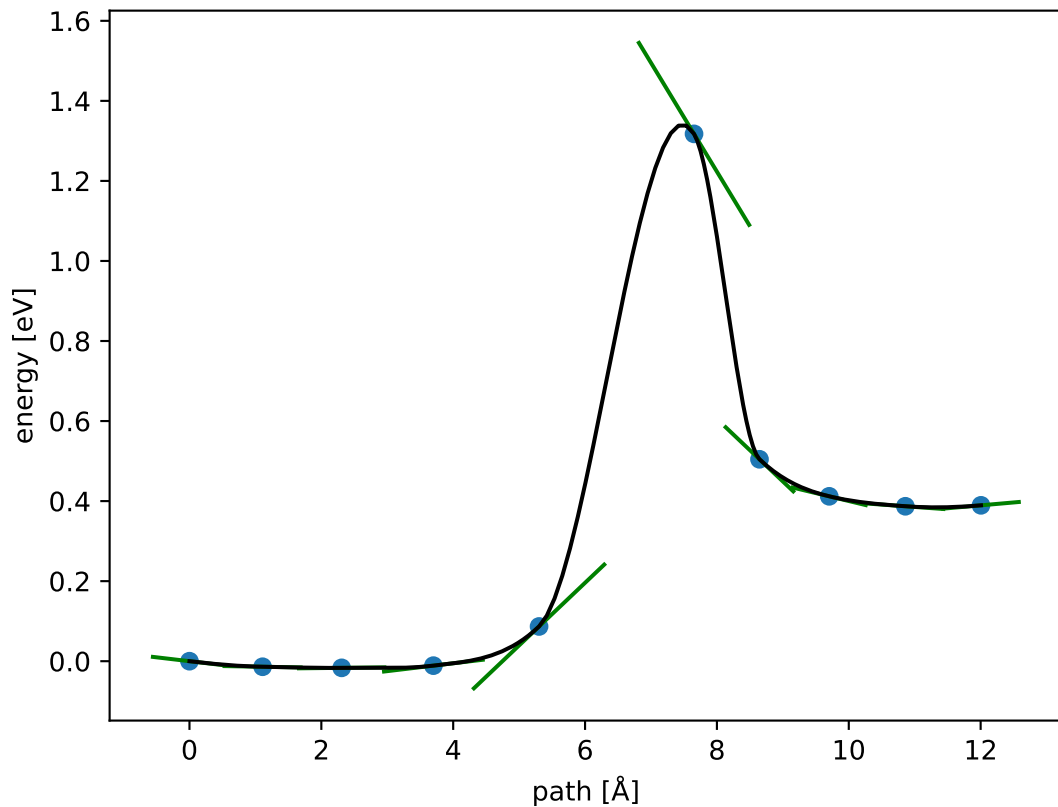
$$E_f \approx 1.361 \text{ eV}; E_r \approx 0.971 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



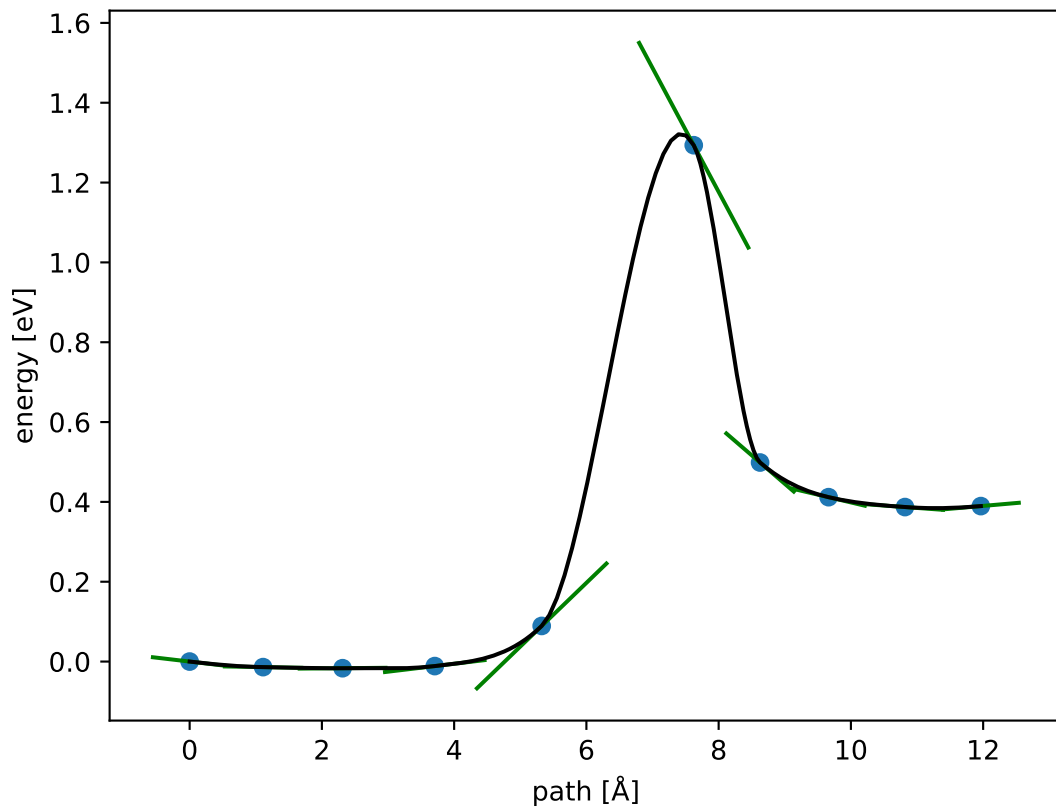
$$E_f \approx 1.340 \text{ eV}; E_r \approx 0.951 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.318 \text{ eV}; E_r \approx 0.928 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

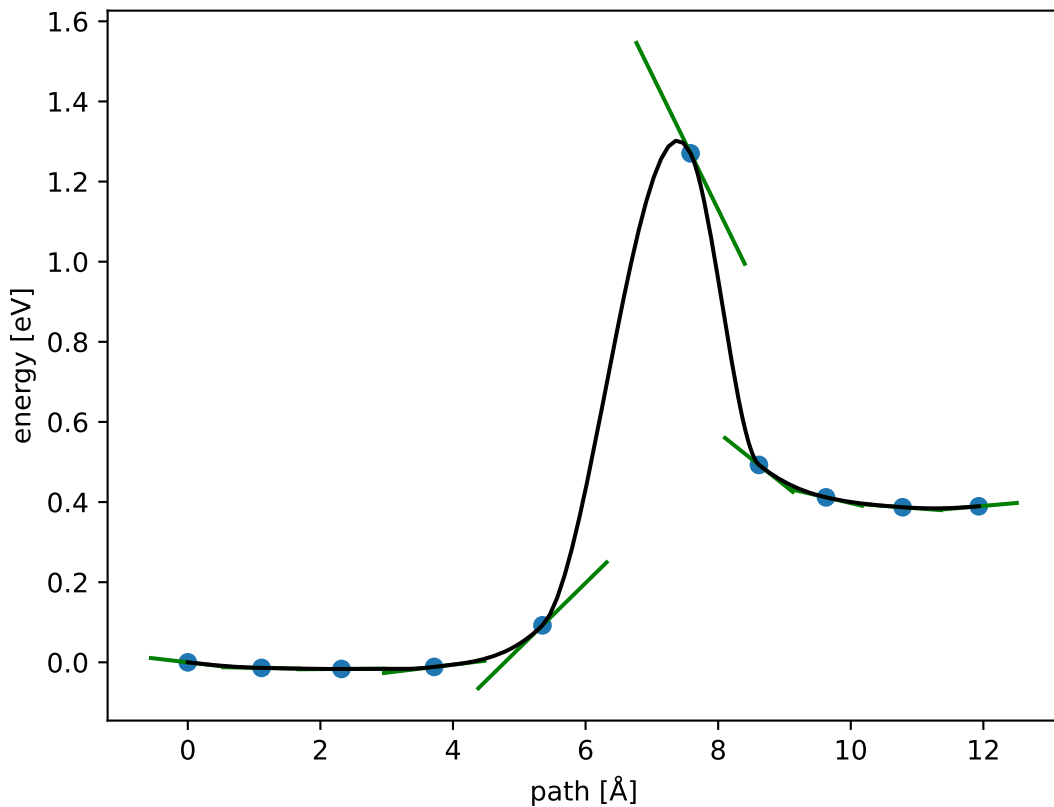


$$E_f \approx 1.294 \text{ eV}; E_r \approx 0.904 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

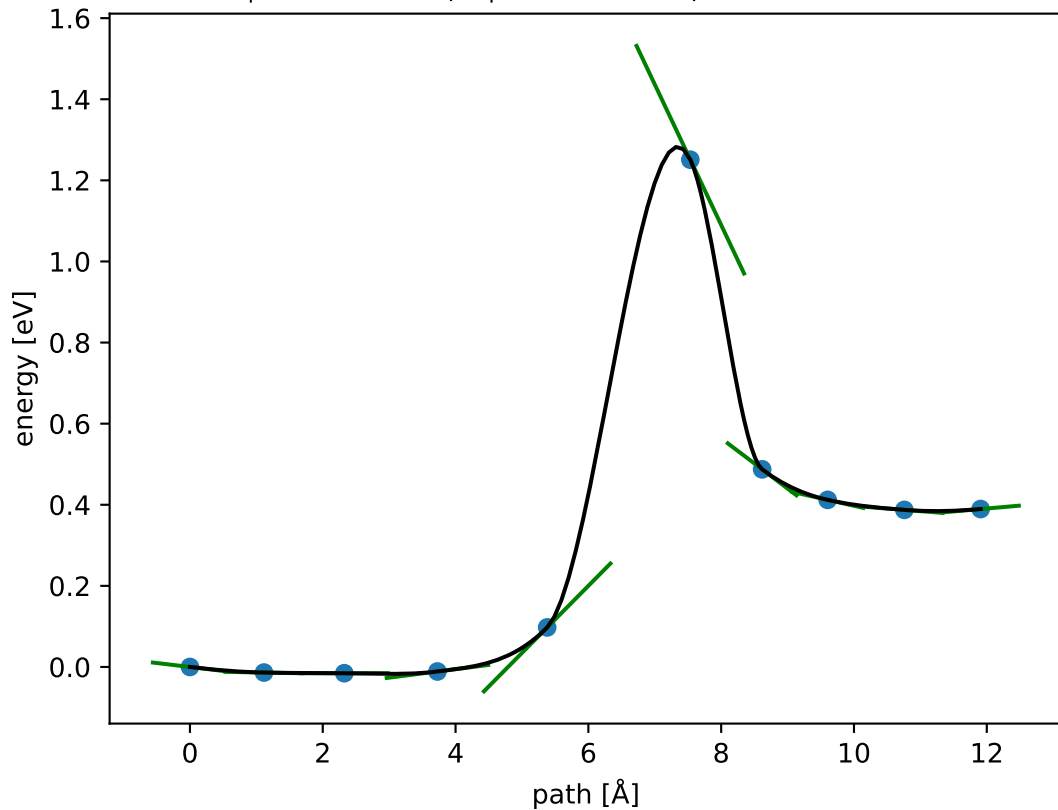




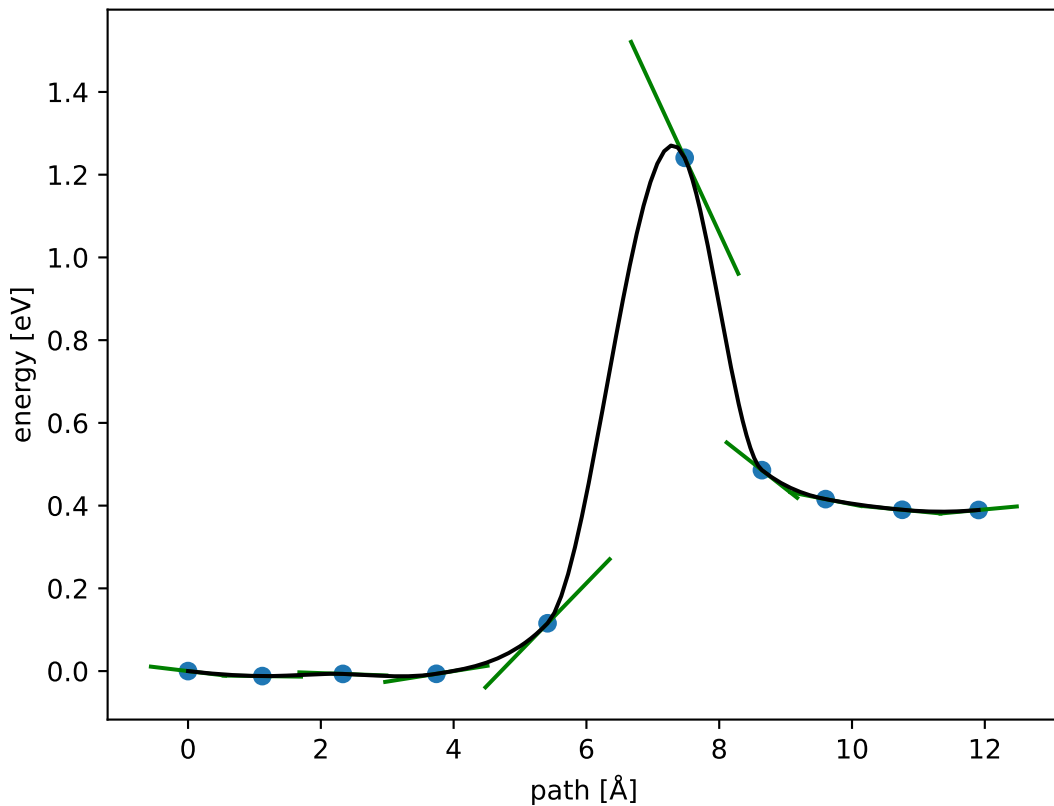
$$E_f \approx 1.270 \text{ eV}; E_r \approx 0.881 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



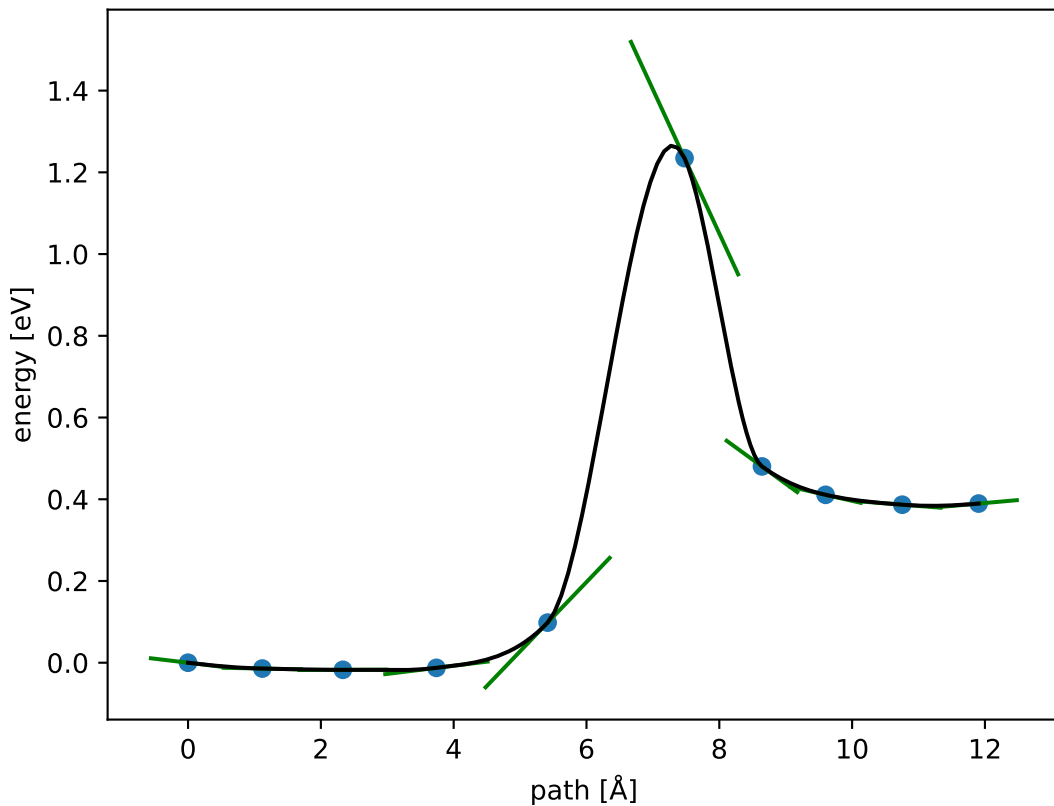
$$E_f \approx 1.251 \text{ eV}; E_r \approx 0.861 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



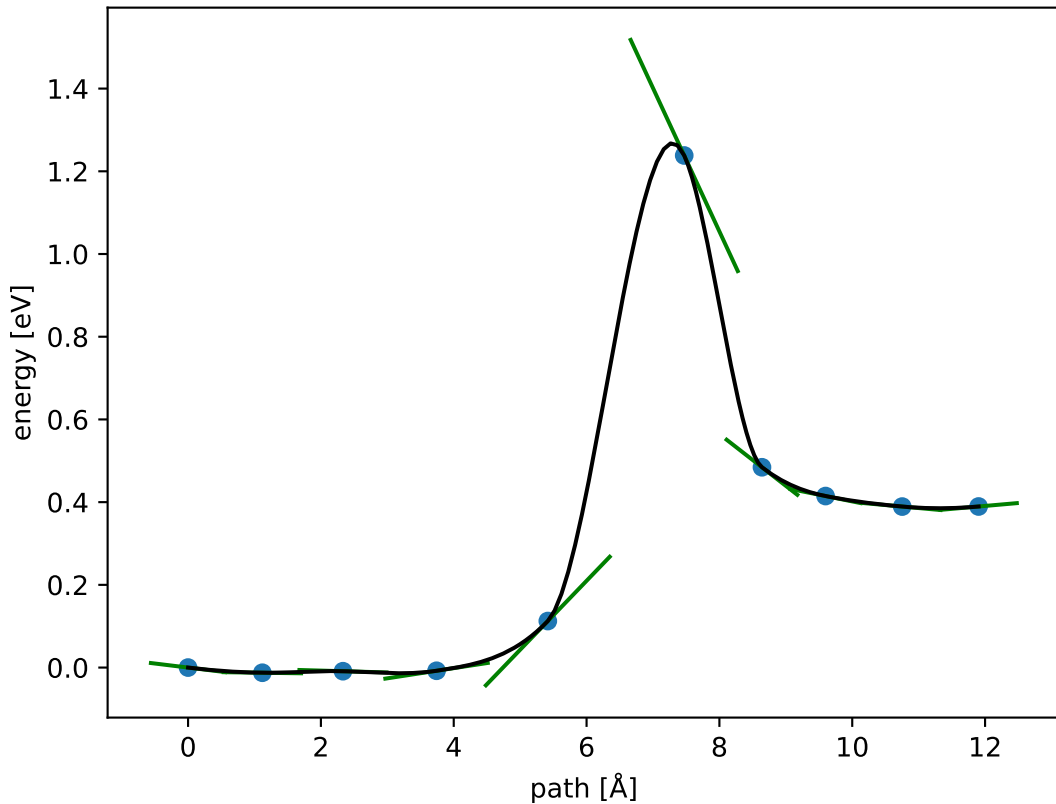
$$E_f \approx 1.241 \text{ eV}; E_r \approx 0.851 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



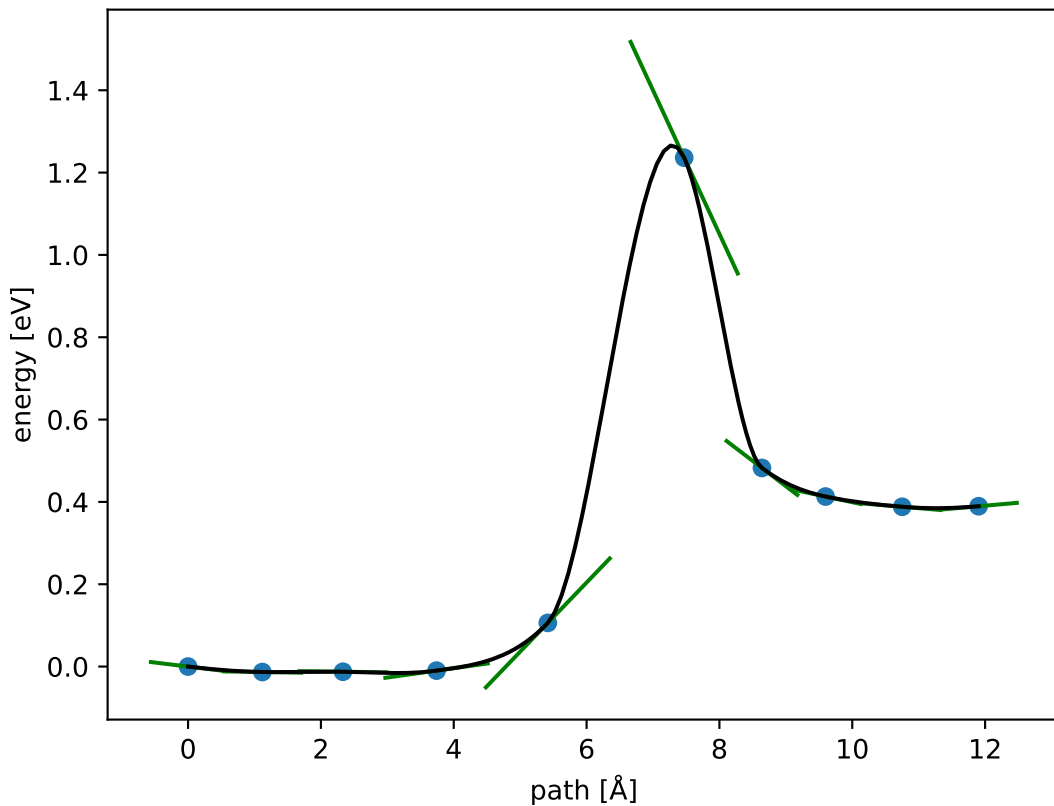
$$E_f \approx 1.235 \text{ eV}; E_r \approx 0.845 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



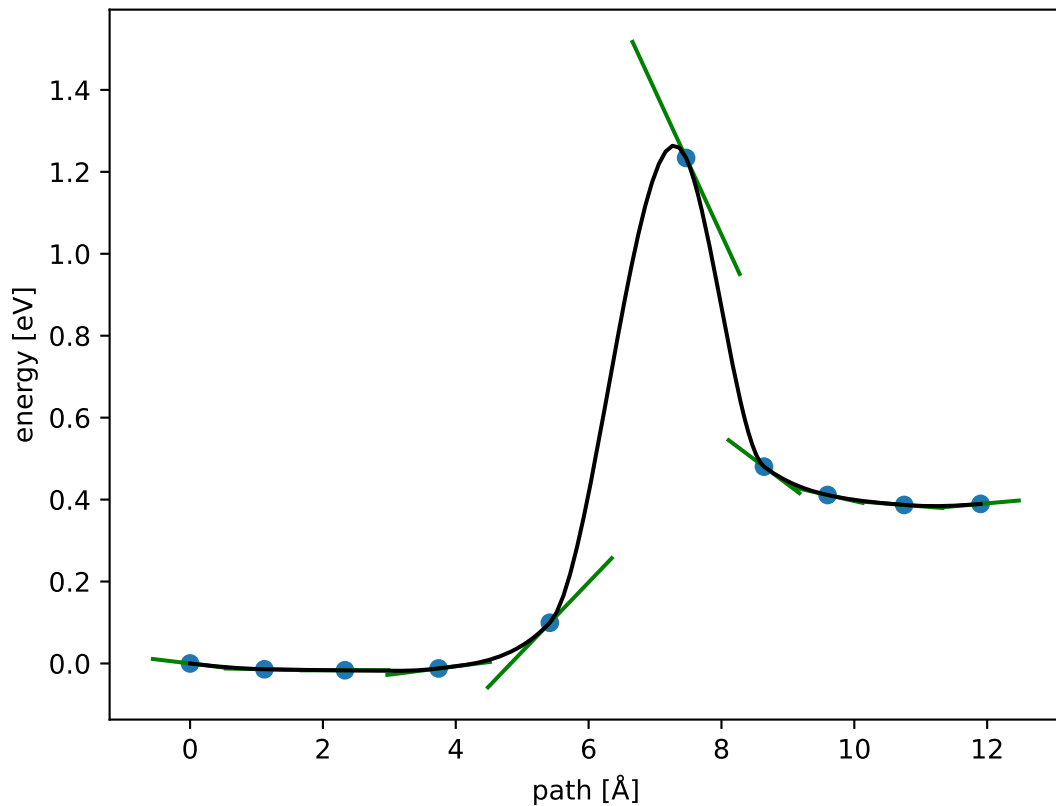
$$E_f \approx 1.238 \text{ eV}; E_r \approx 0.849 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



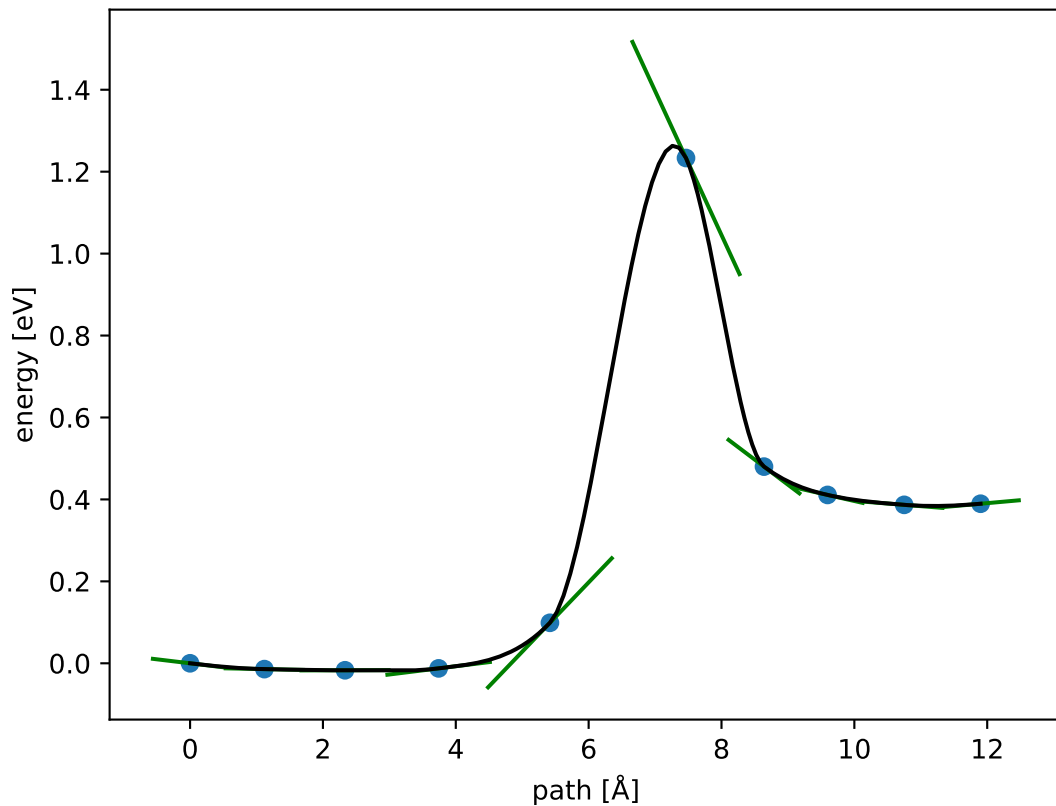
$$E_f \approx 1.236 \text{ eV}; E_r \approx 0.847 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.234 \text{ eV}; E_r \approx 0.844 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

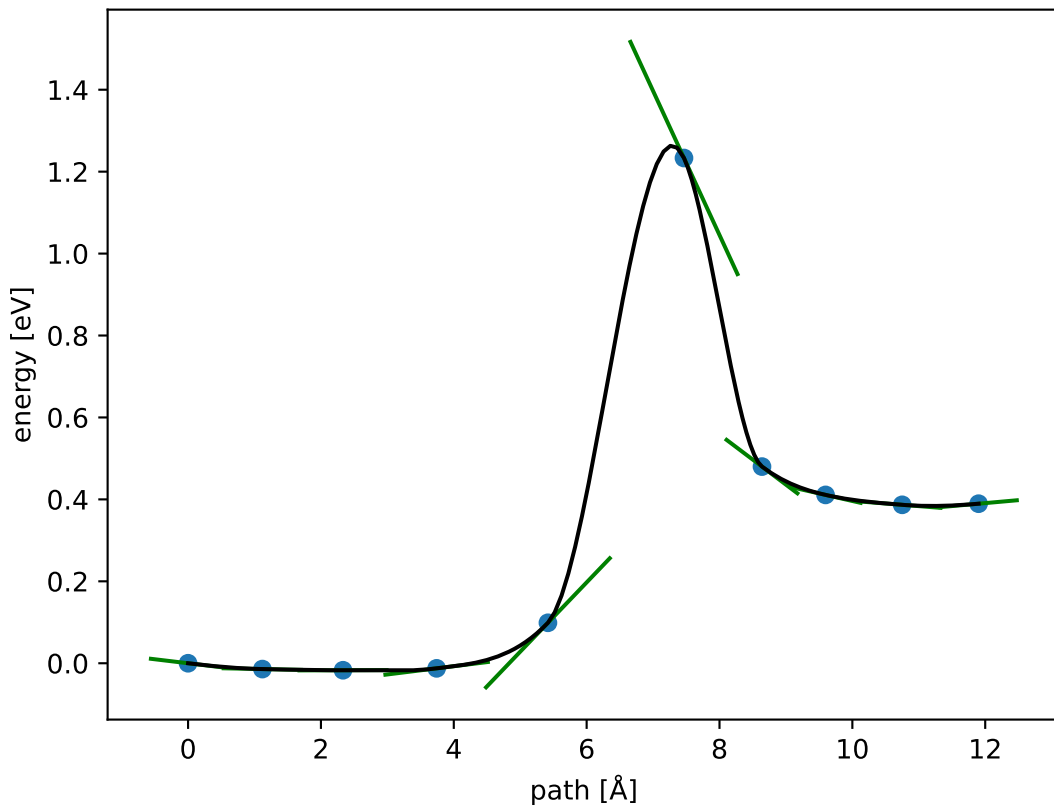


$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.844 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

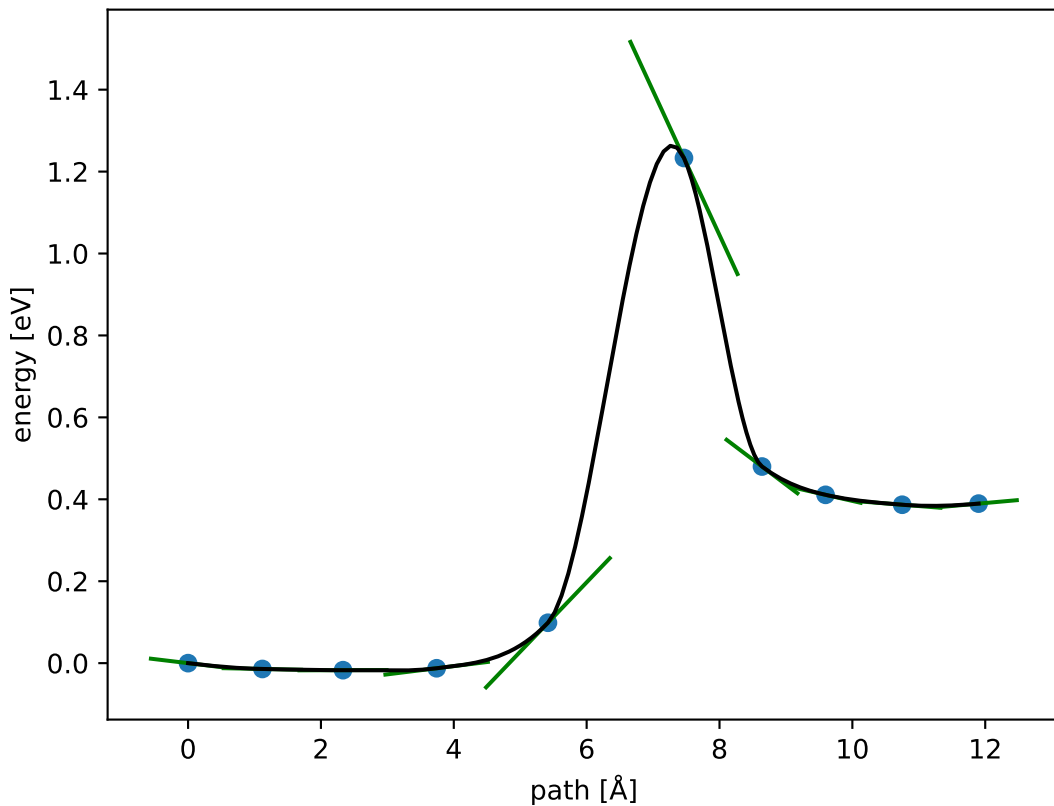




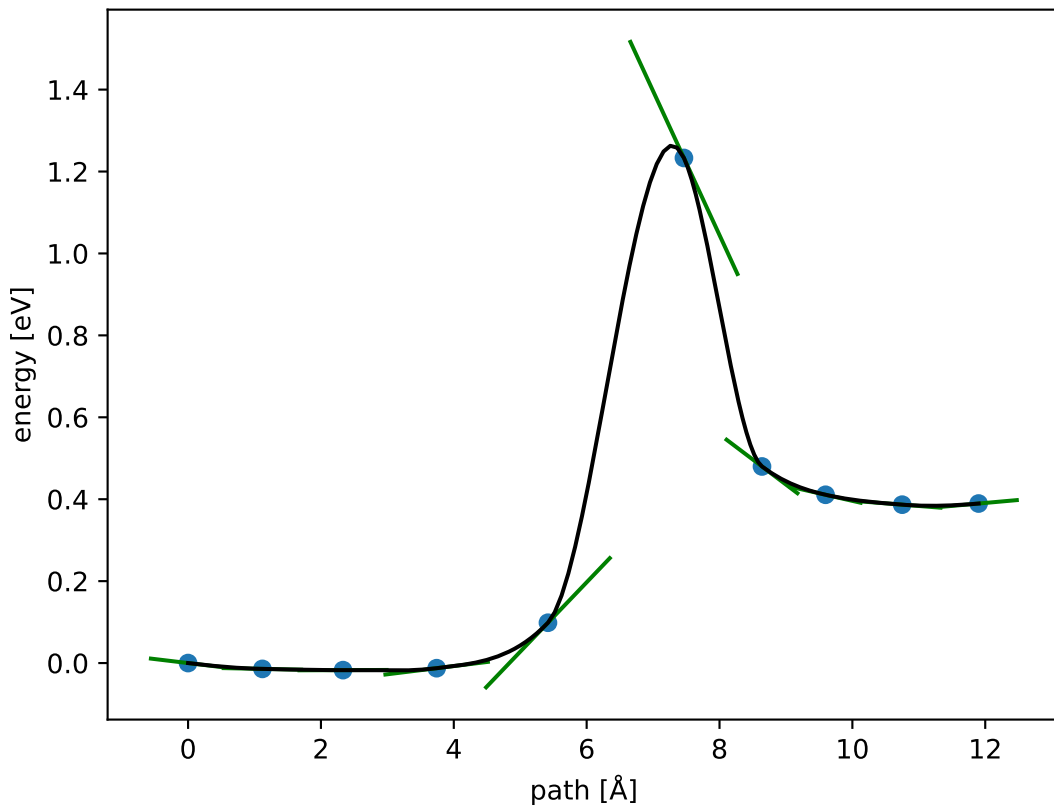
$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.844 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



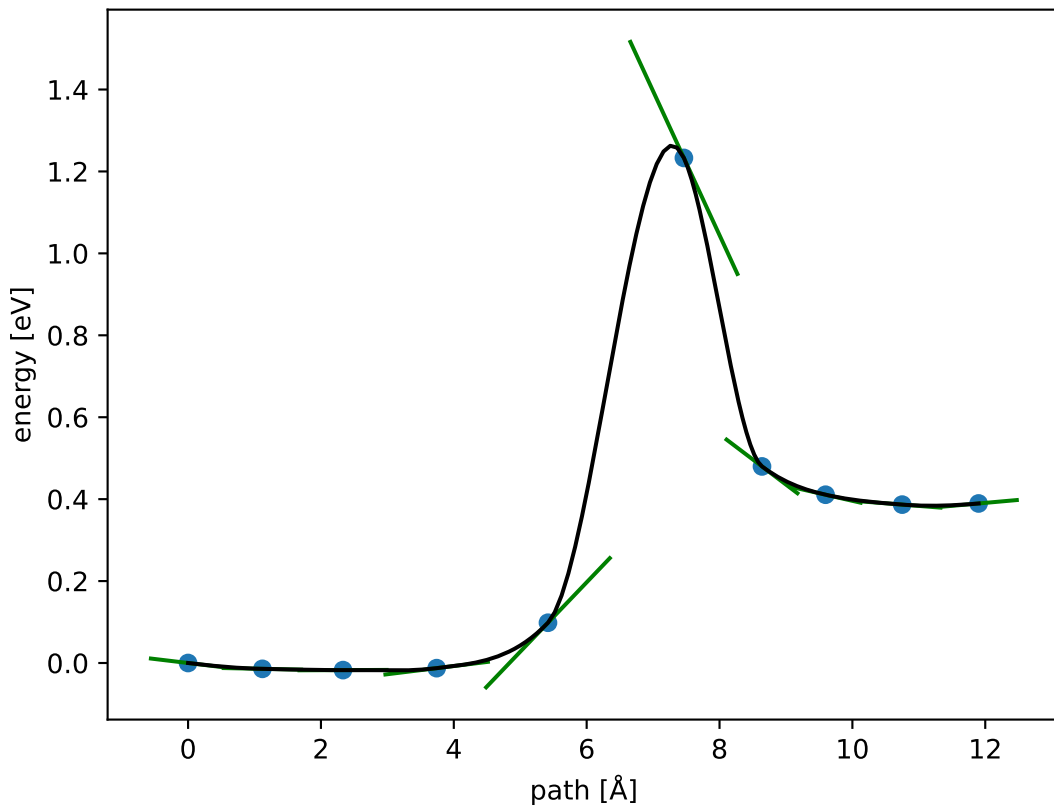
$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.844 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



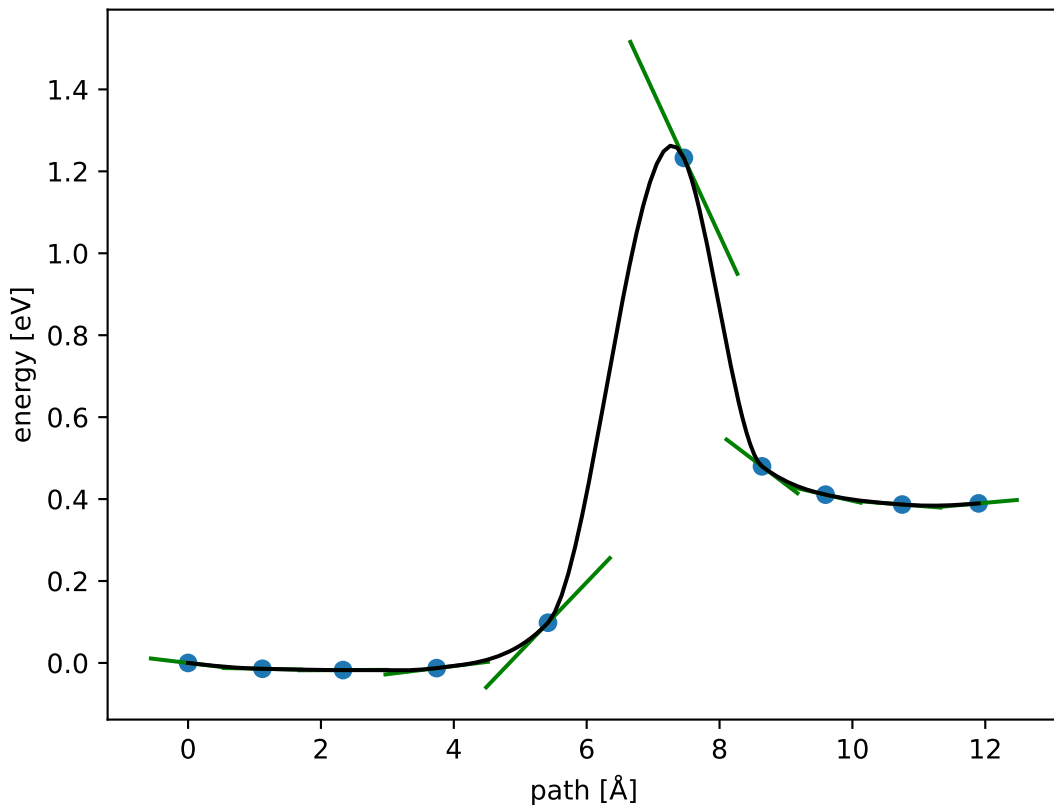
$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.844 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



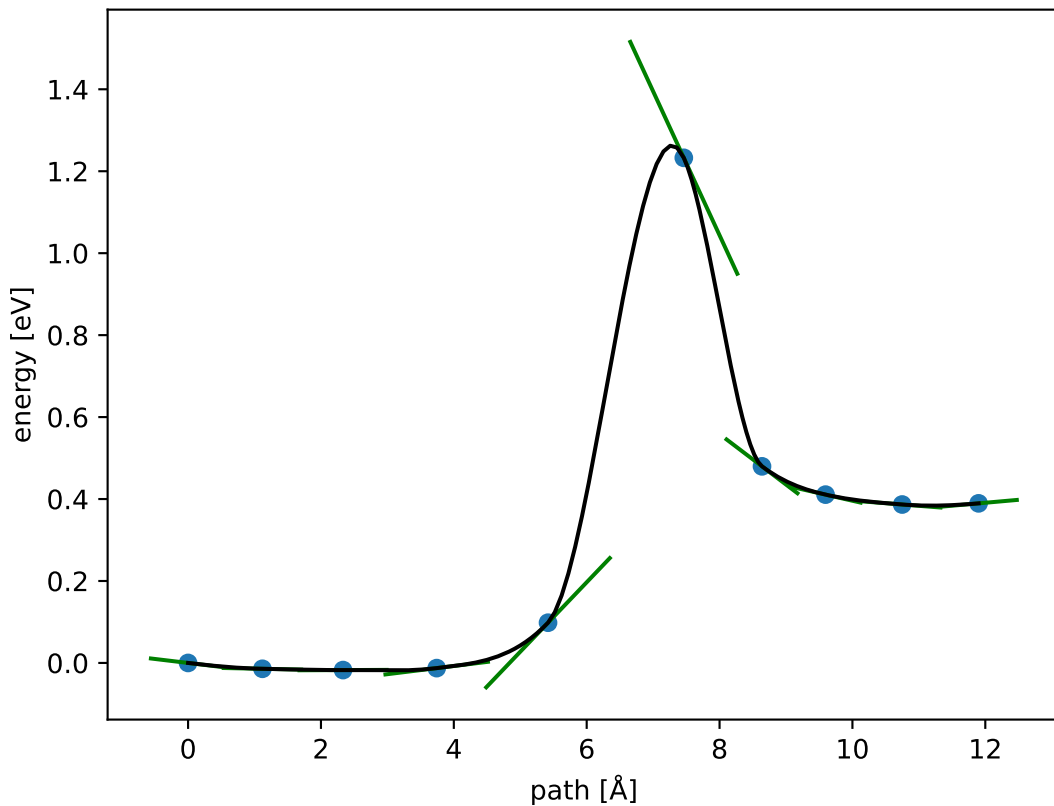
$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.844 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



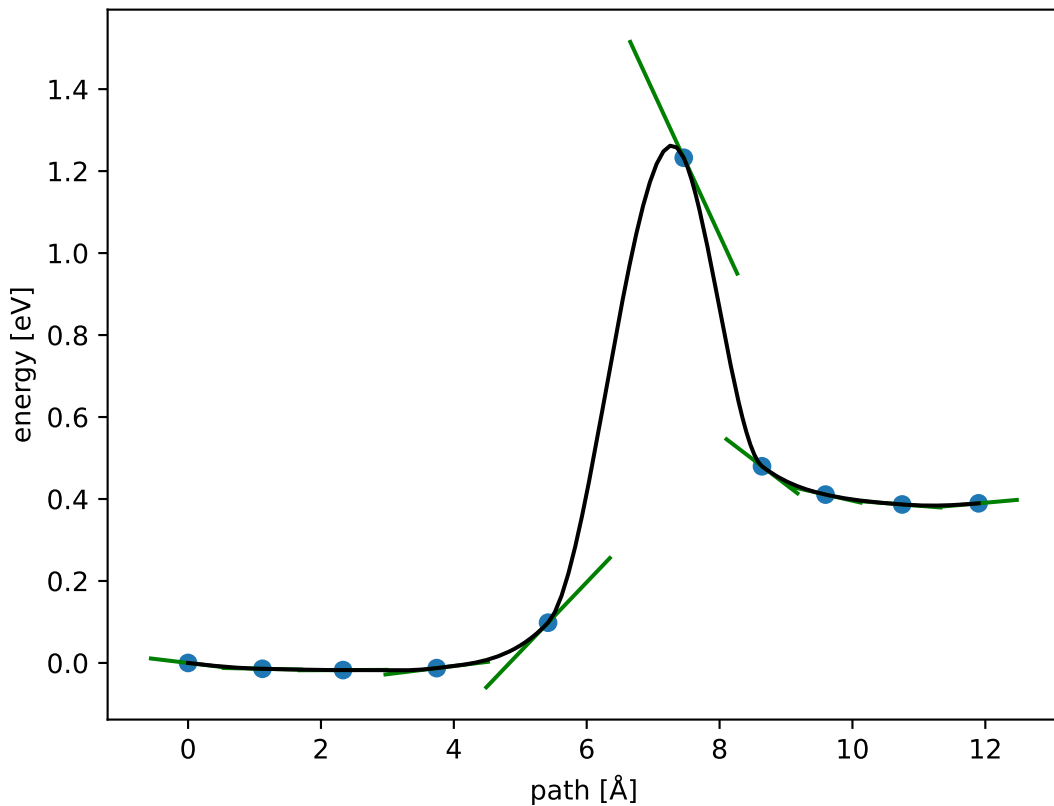
$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.843 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



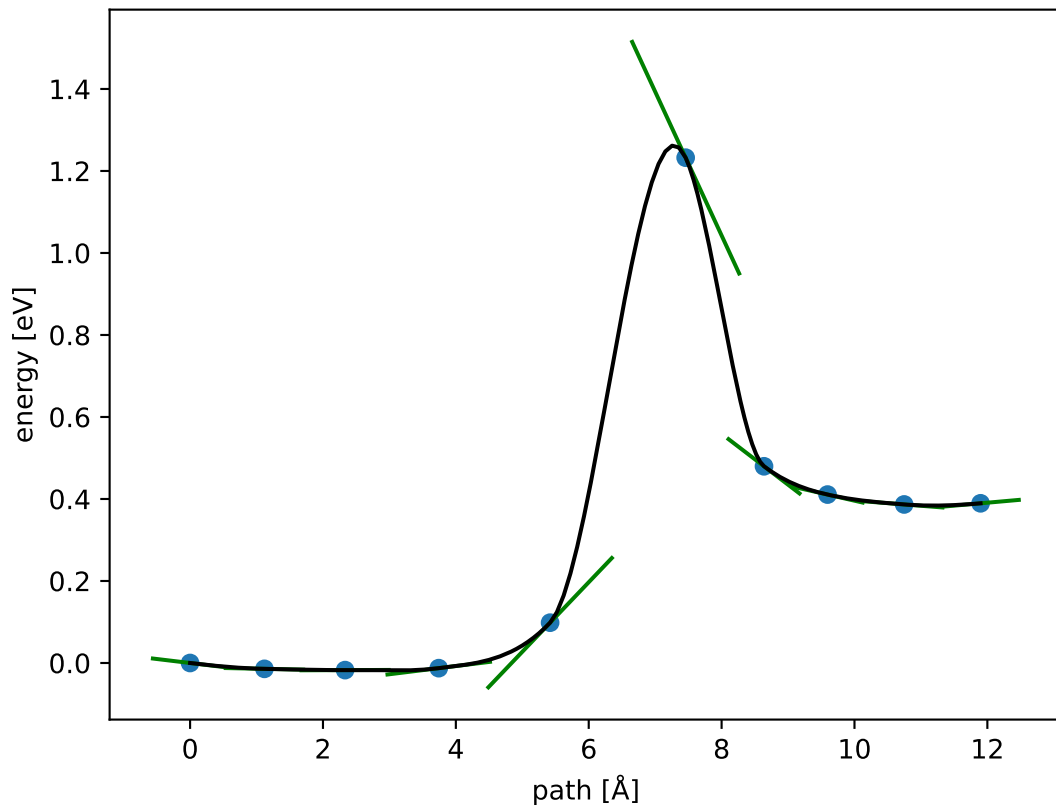
$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.843 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.233 \text{ eV}; E_r \approx 0.843 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

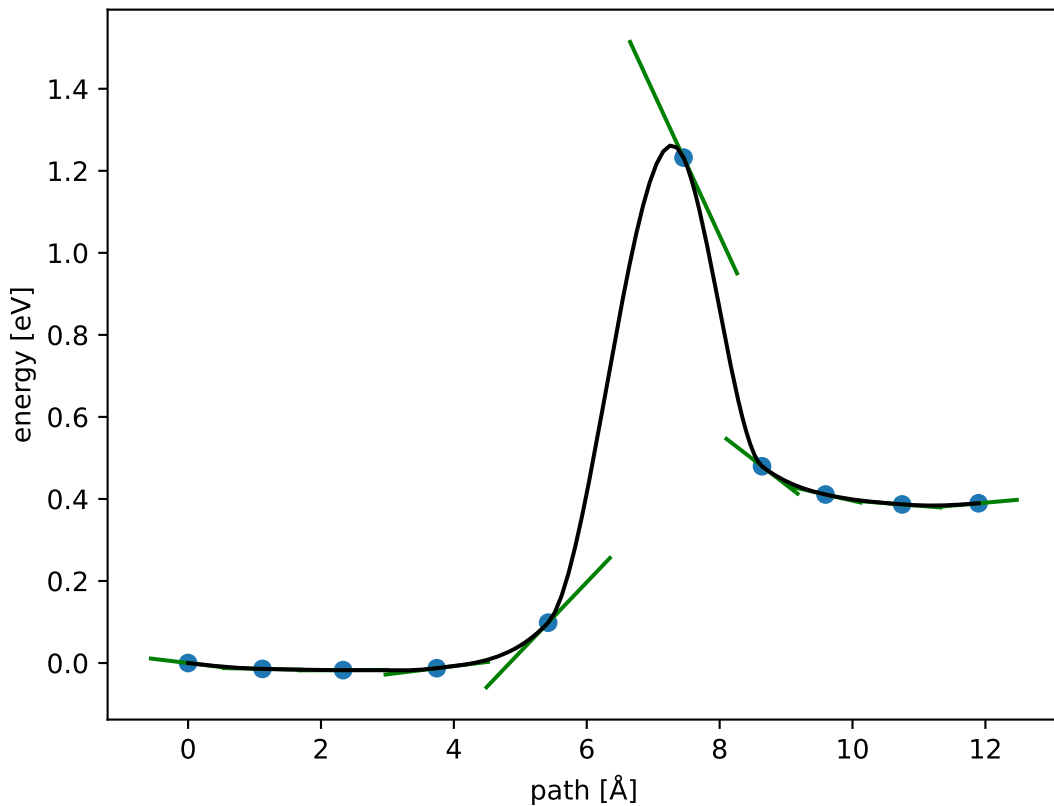


$$E_f \approx 1.232 \text{ eV}; E_r \approx 0.843 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

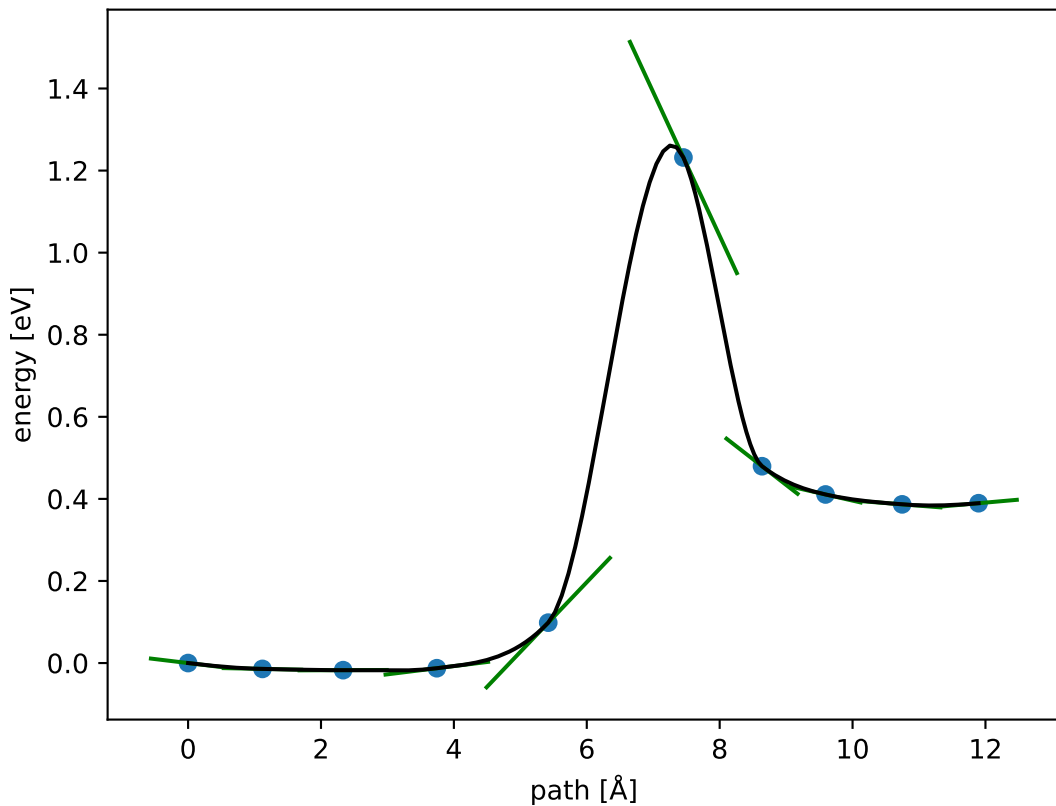




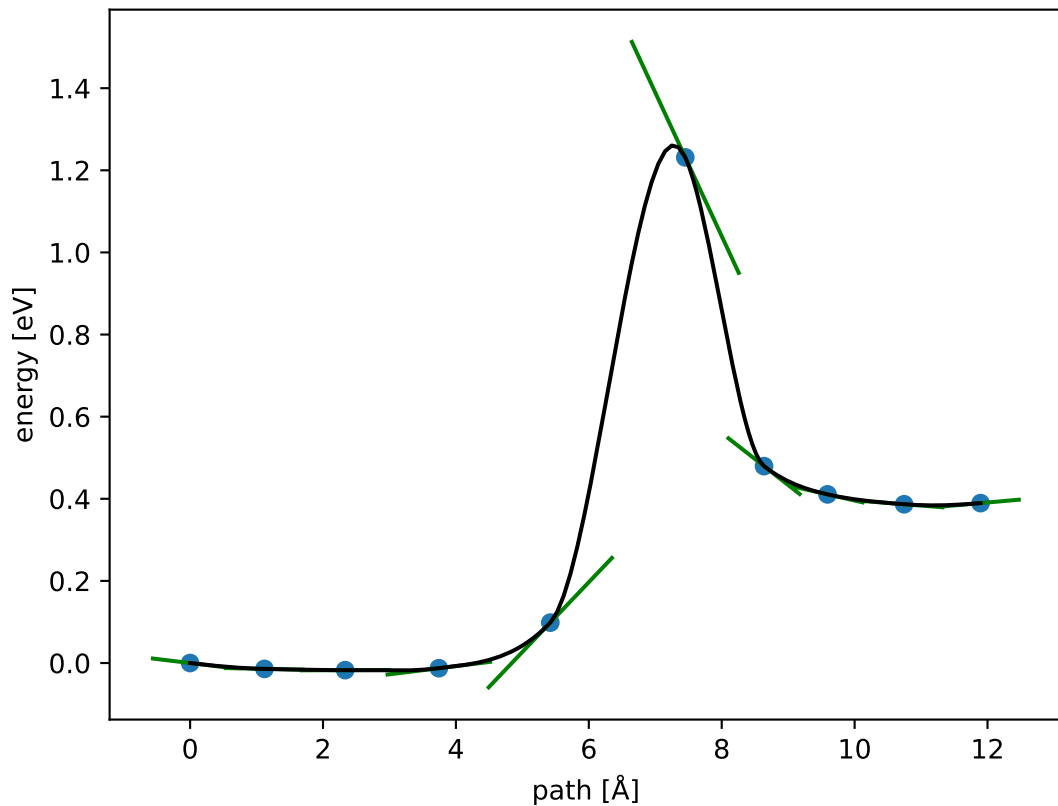
$$E_f \approx 1.232 \text{ eV}; E_r \approx 0.843 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



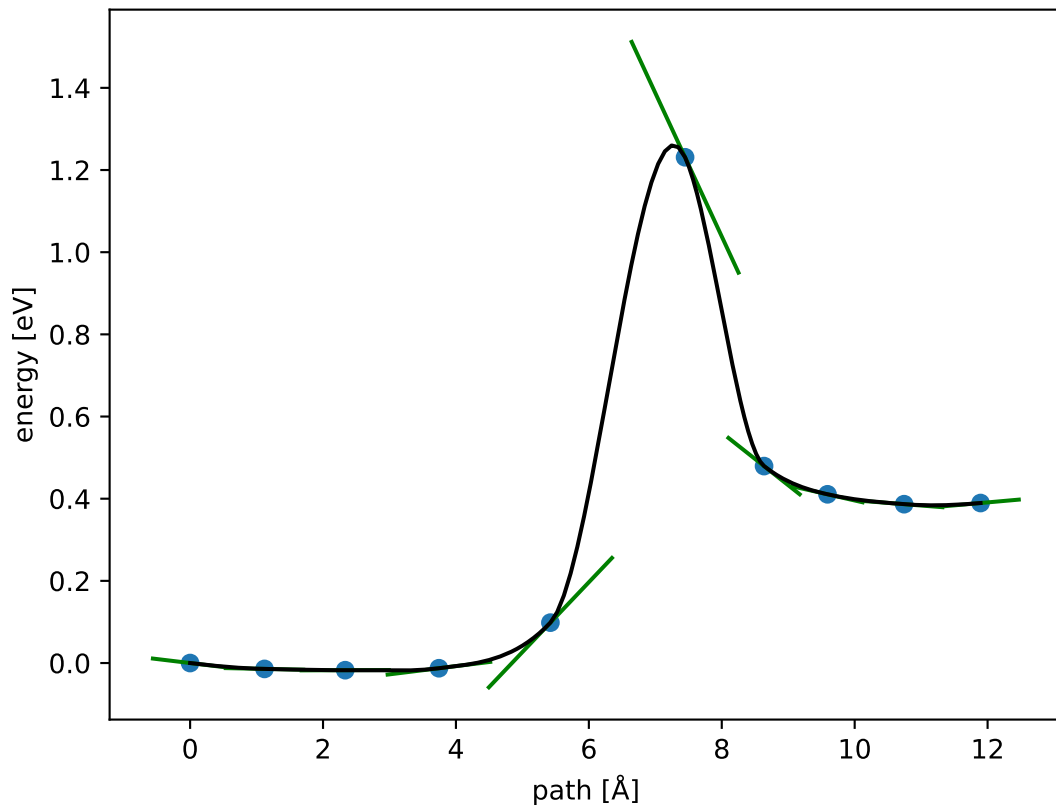
$$E_f \approx 1.232 \text{ eV}; E_r \approx 0.842 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



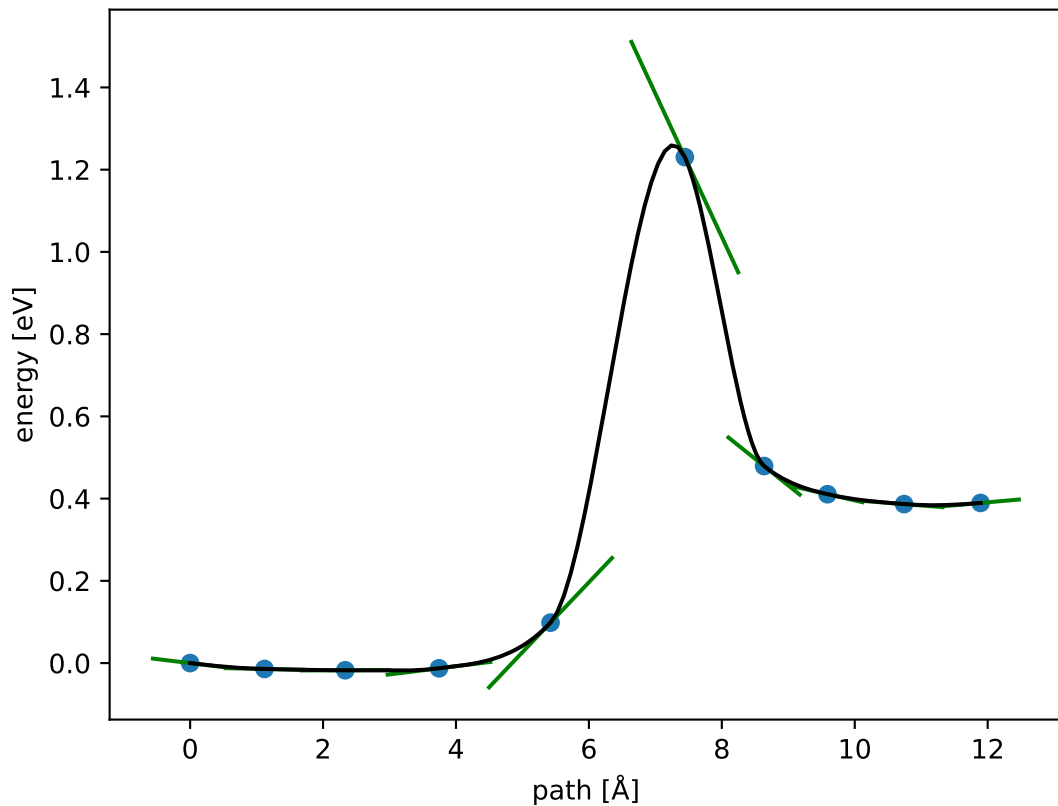
$$E_f \approx 1.232 \text{ eV}; E_r \approx 0.842 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



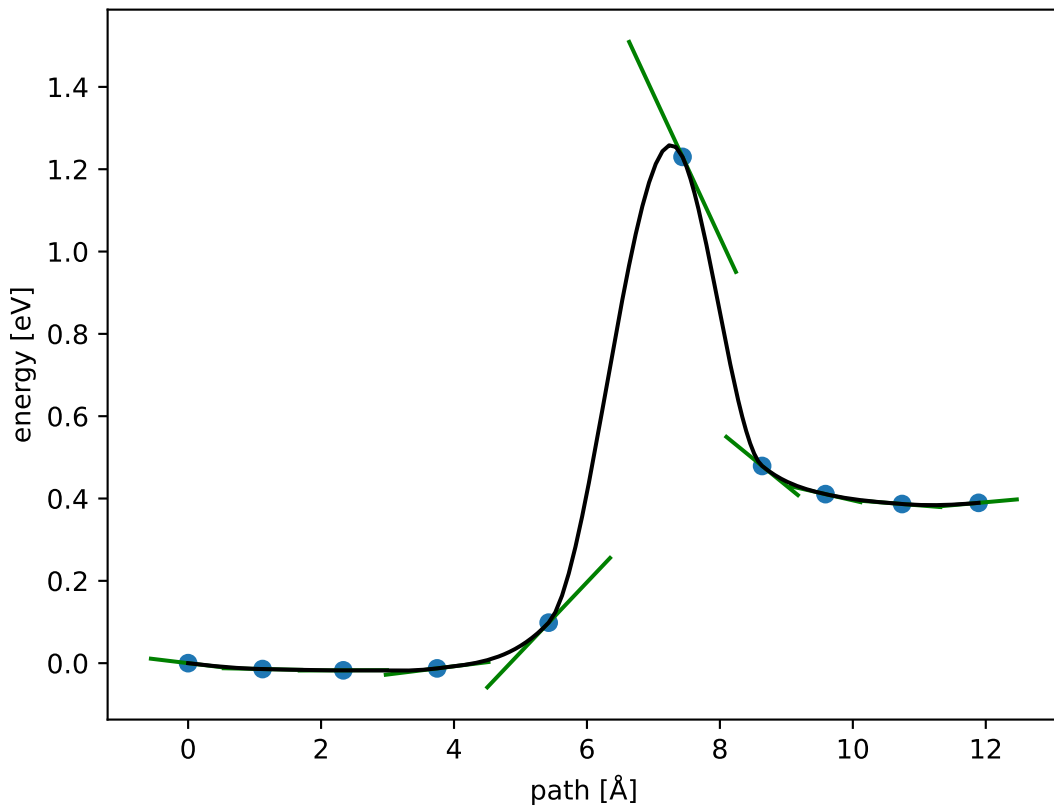
$$E_f \approx 1.231 \text{ eV}; E_r \approx 0.842 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



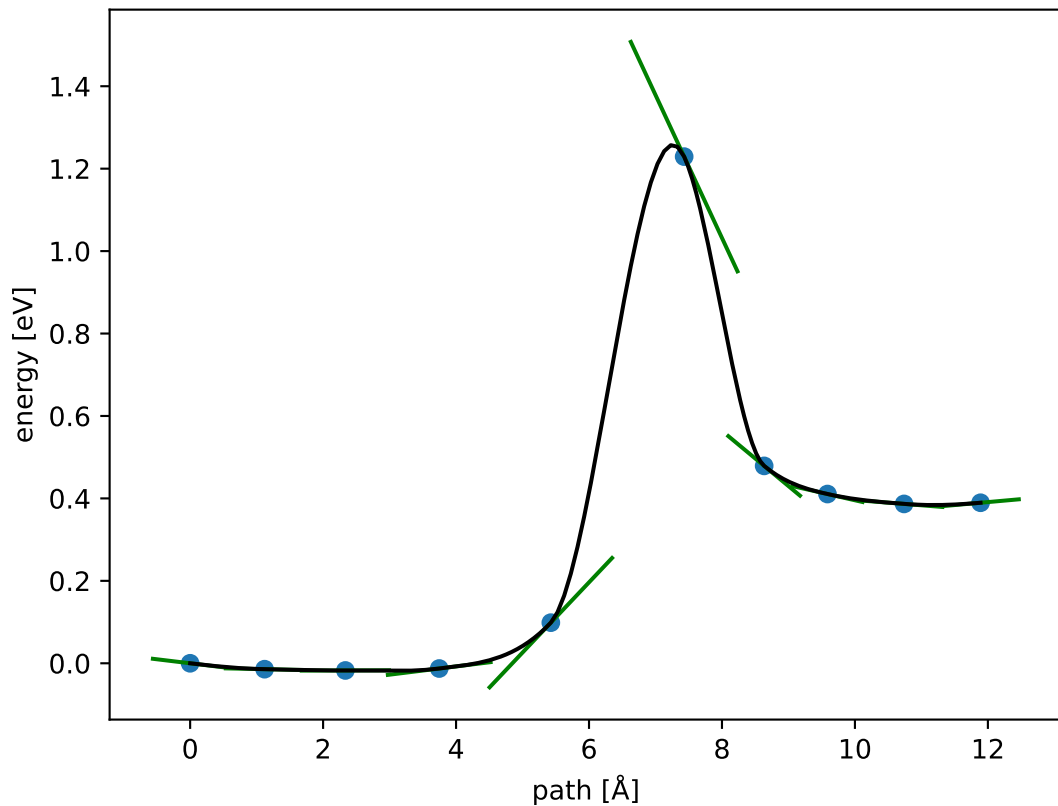
$$E_f \approx 1.231 \text{ eV}; E_r \approx 0.841 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



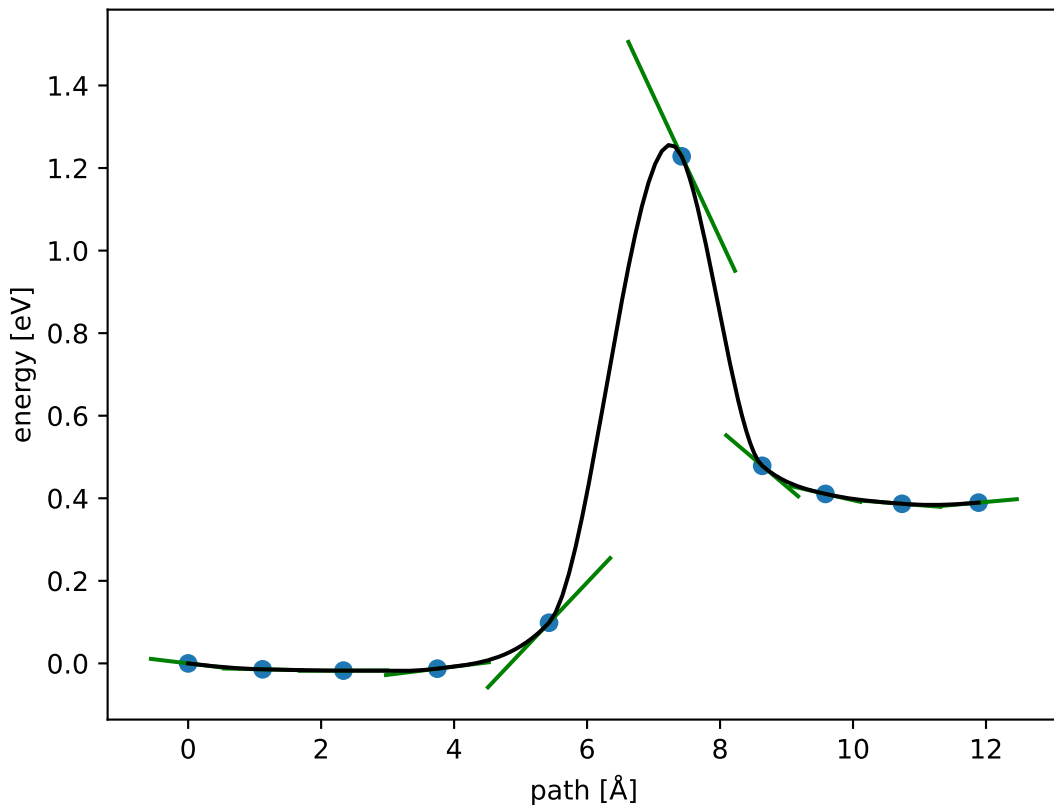
$$E_f \approx 1.230 \text{ eV}; E_r \approx 0.840 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.229 \text{ eV}; E_r \approx 0.840 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

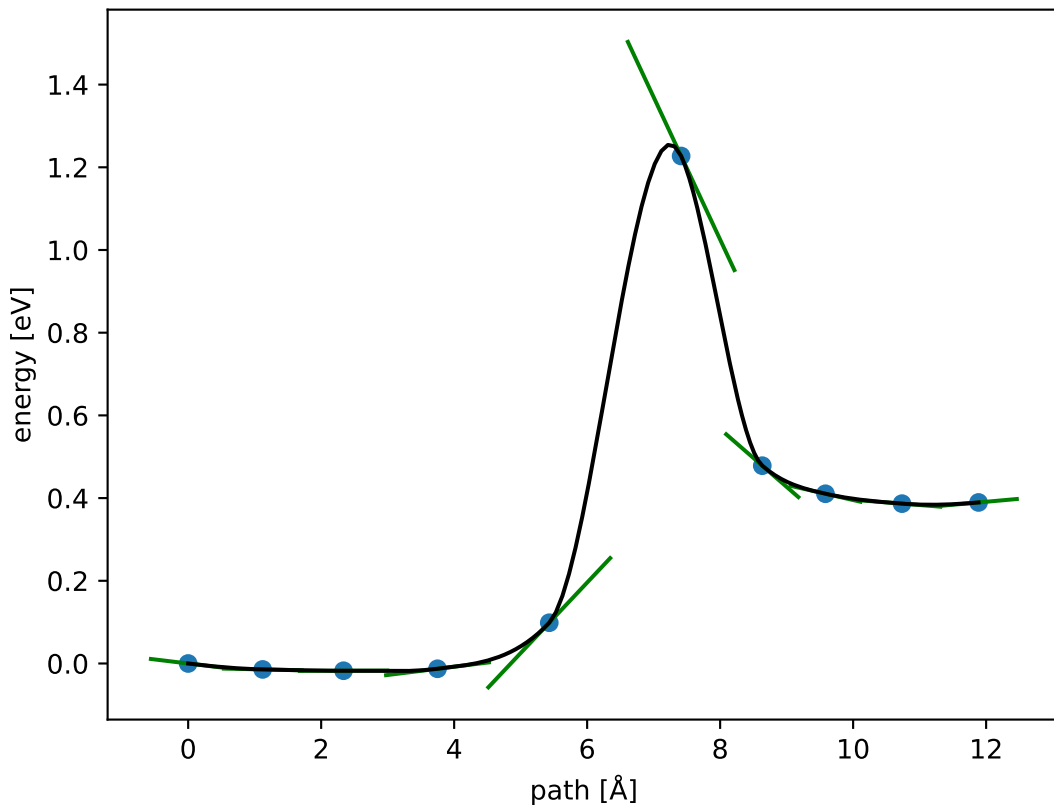


$$E_f \approx 1.228 \text{ eV}; E_r \approx 0.839 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

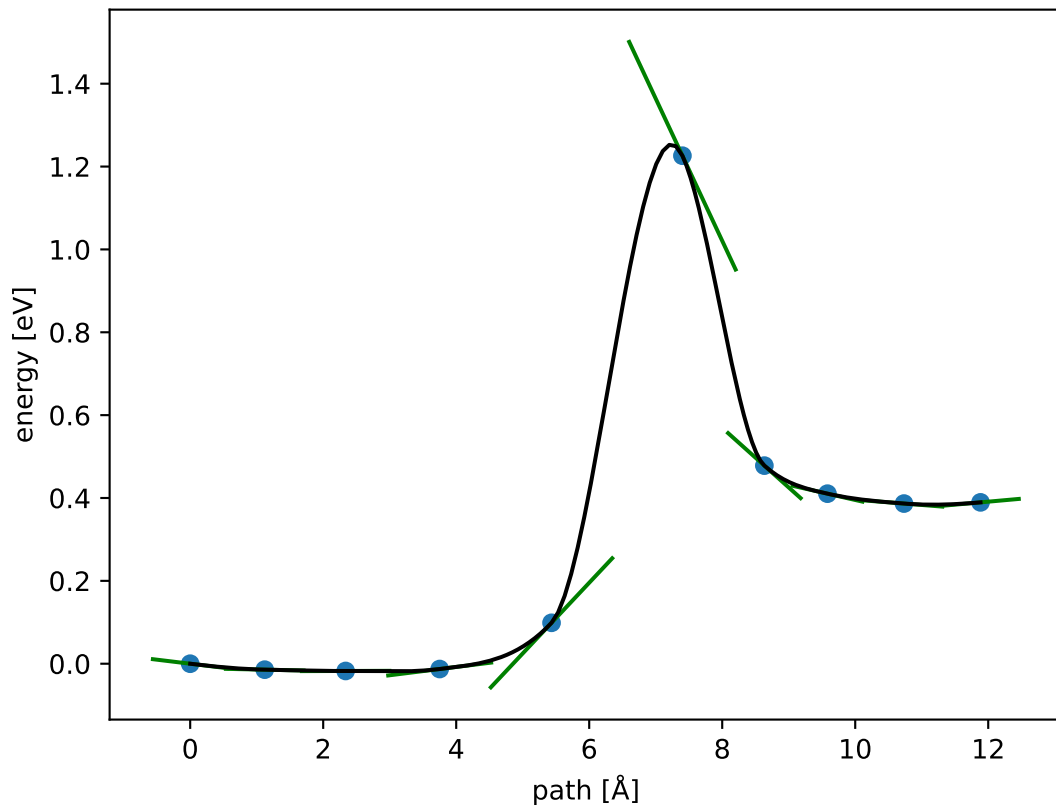




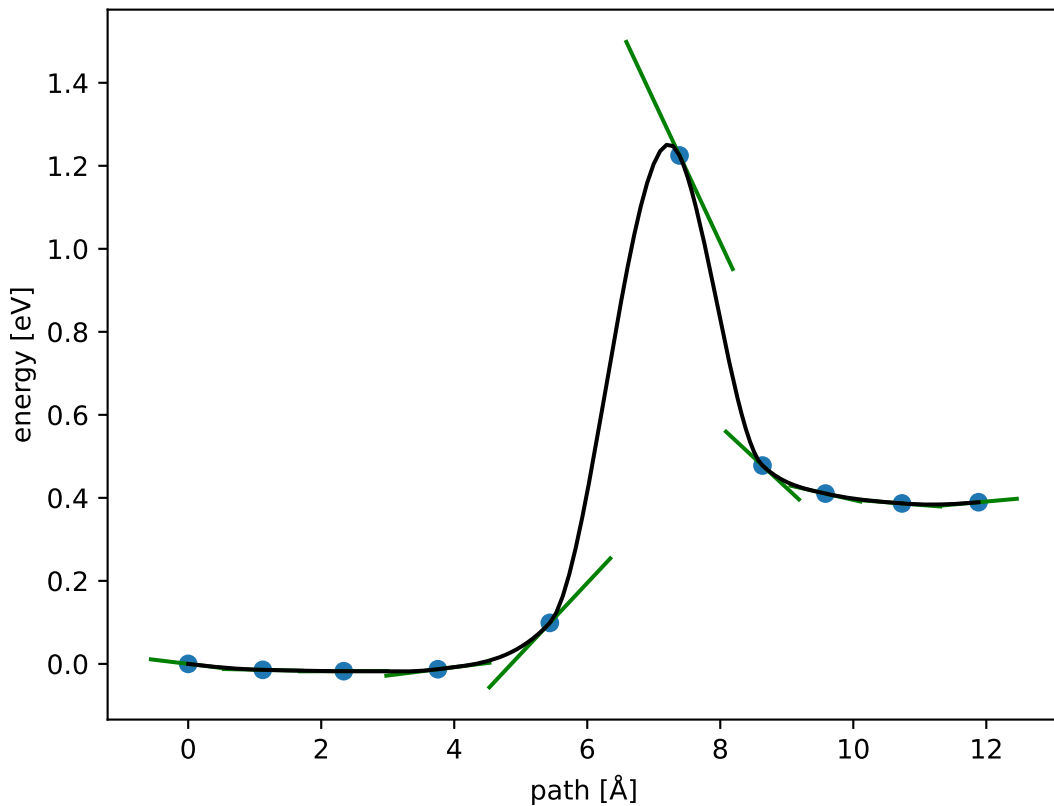
$$E_f \approx 1.227 \text{ eV}; E_r \approx 0.838 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



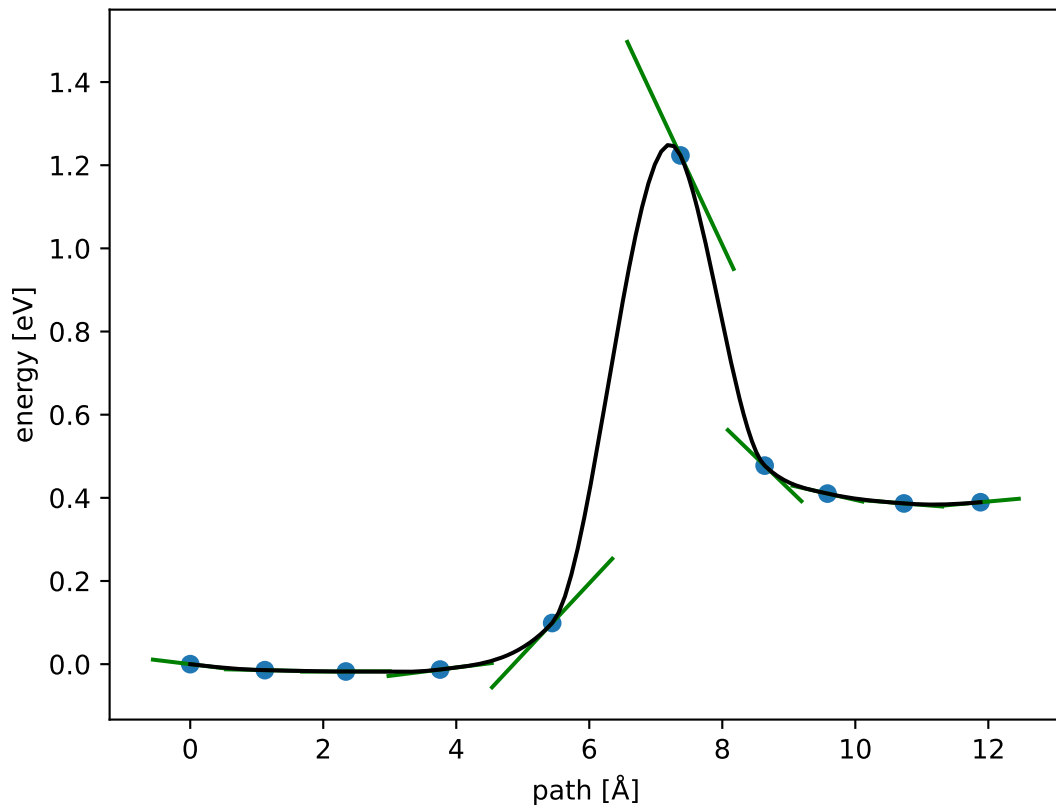
$$E_f \approx 1.226 \text{ eV}; E_r \approx 0.837 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



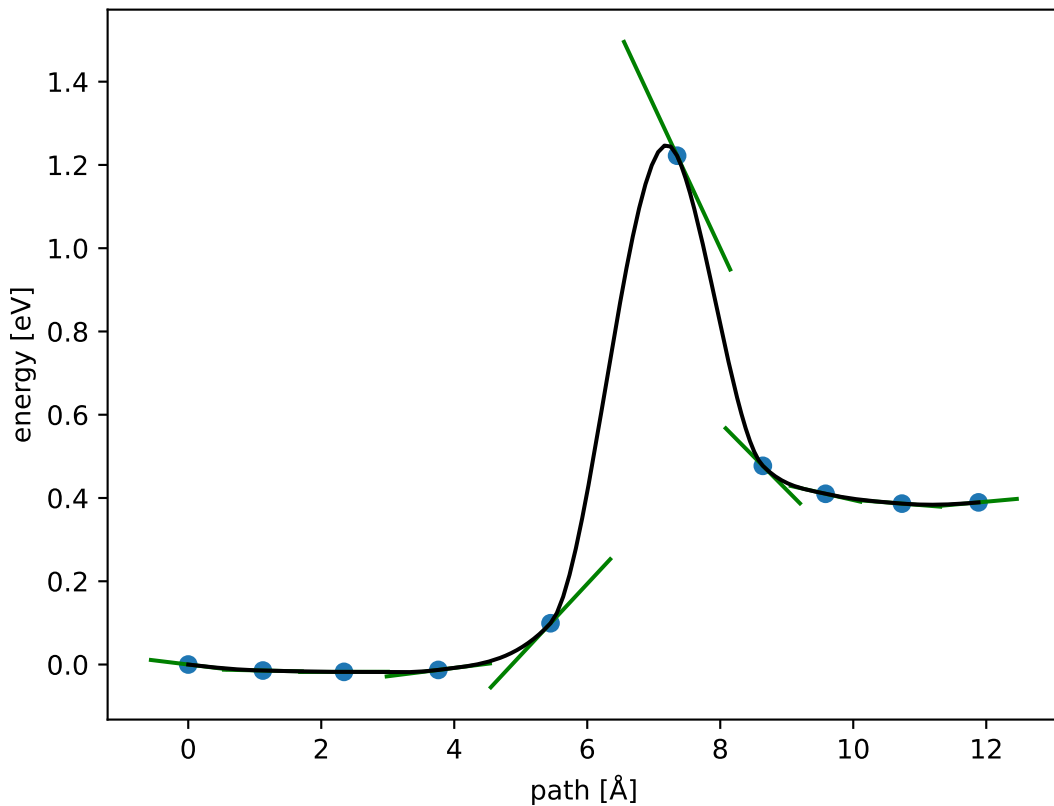
$$E_f \approx 1.225 \text{ eV}; E_r \approx 0.835 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



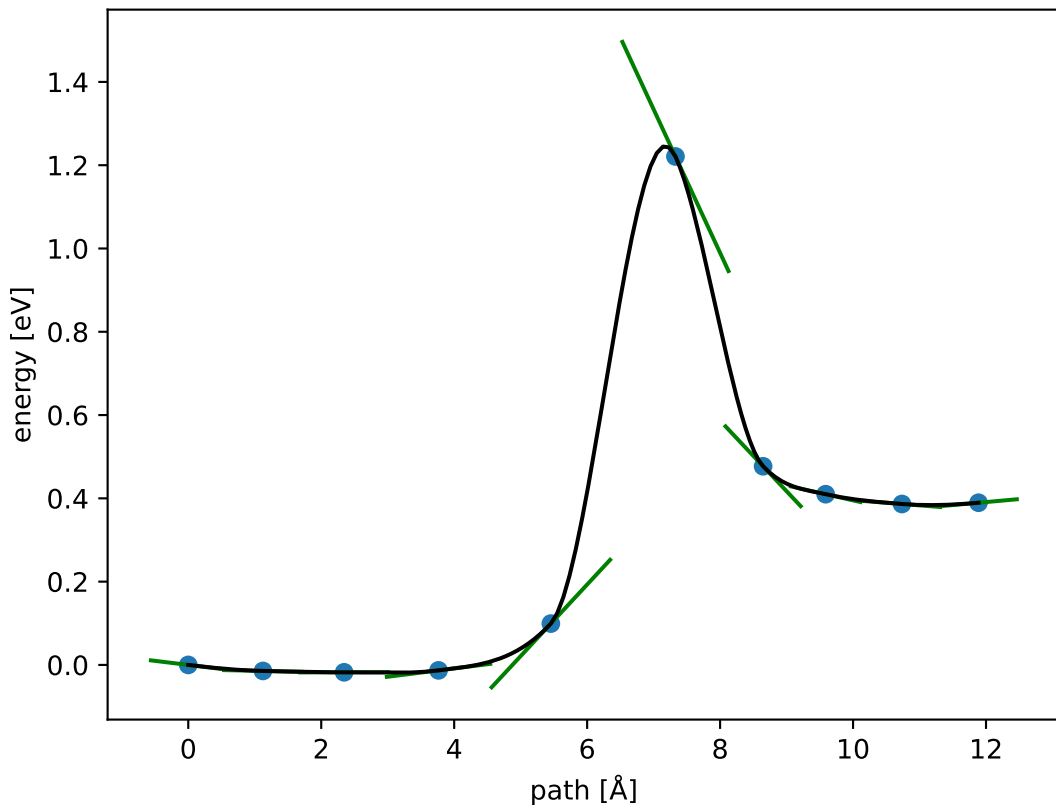
$$E_f \approx 1.224 \text{ eV}; E_r \approx 0.834 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



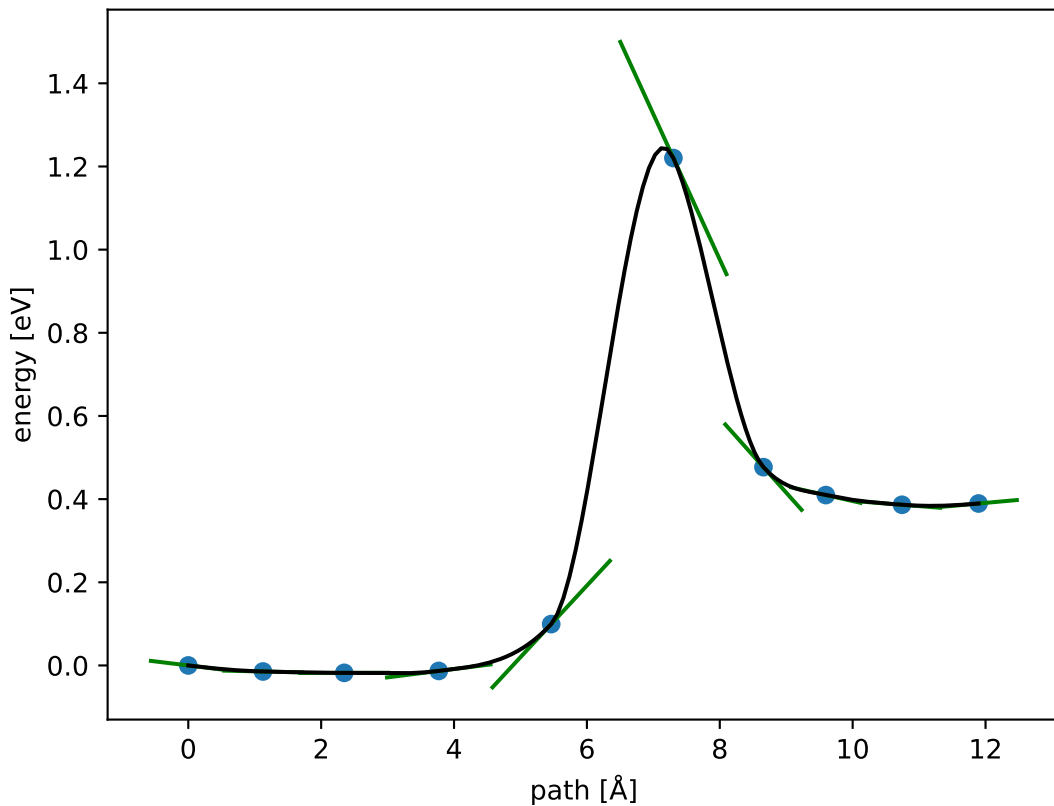
$$E_f \approx 1.222 \text{ eV}; E_r \approx 0.833 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



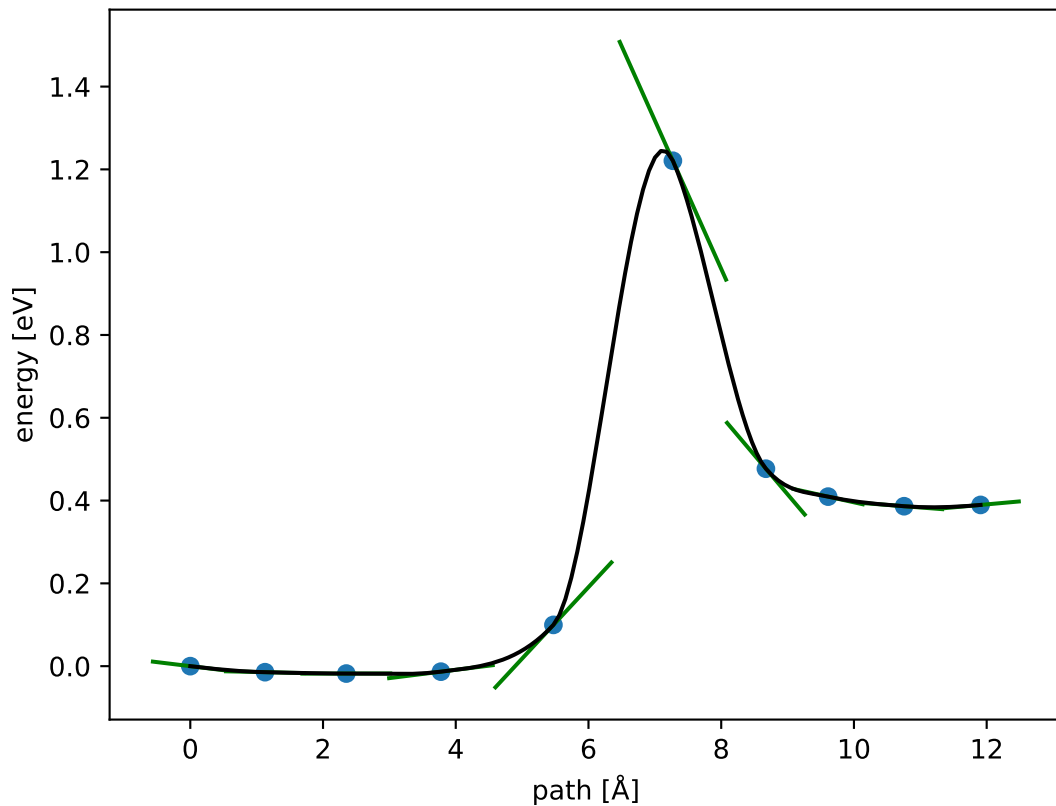
$$E_f \approx 1.221 \text{ eV}; E_r \approx 0.831 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.220 \text{ eV}; E_r \approx 0.831 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

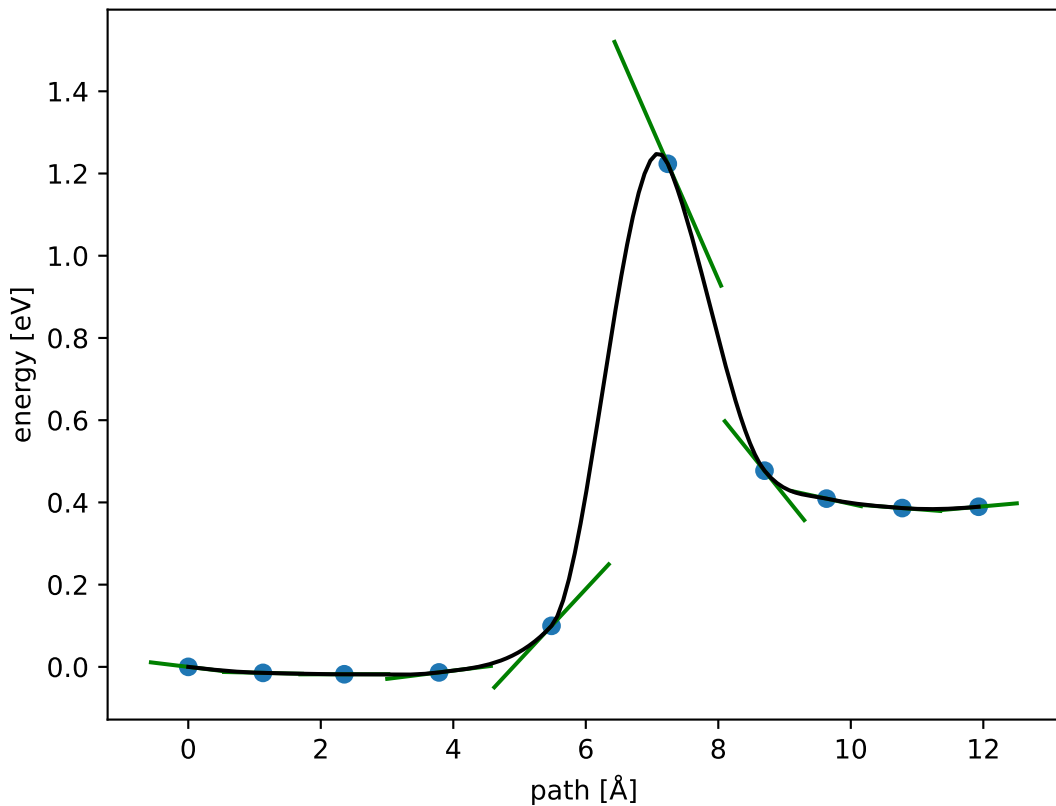


$$E_f \approx 1.221 \text{ eV}; E_r \approx 0.831 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

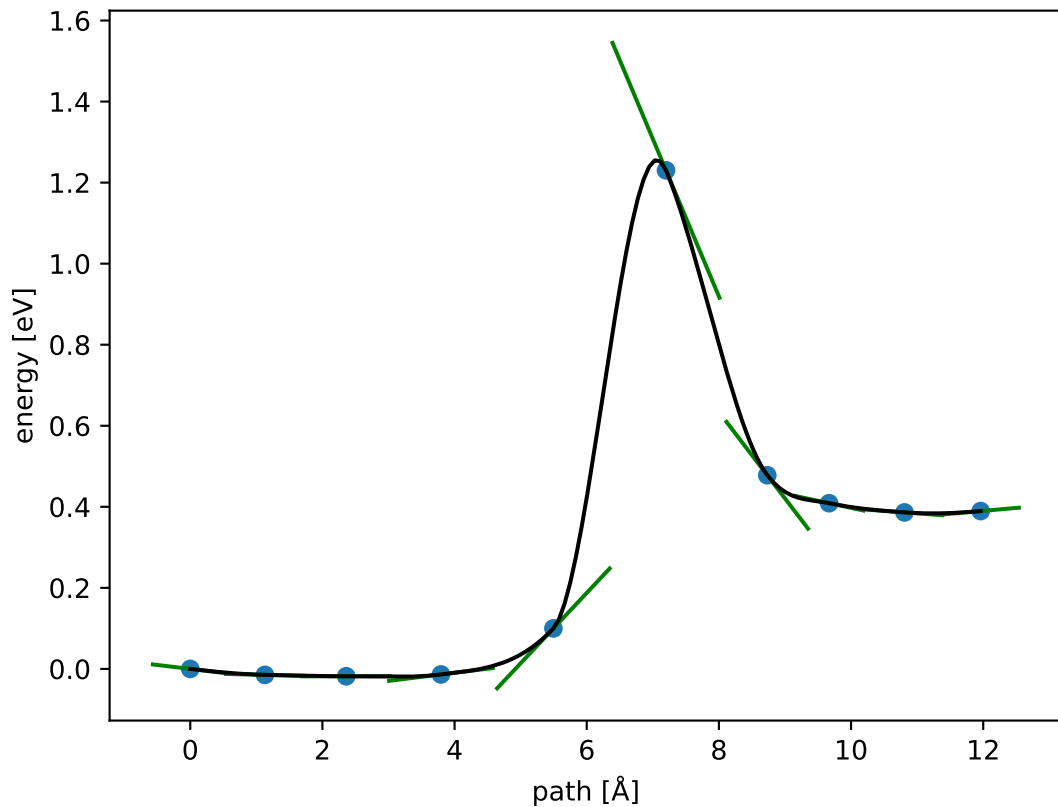




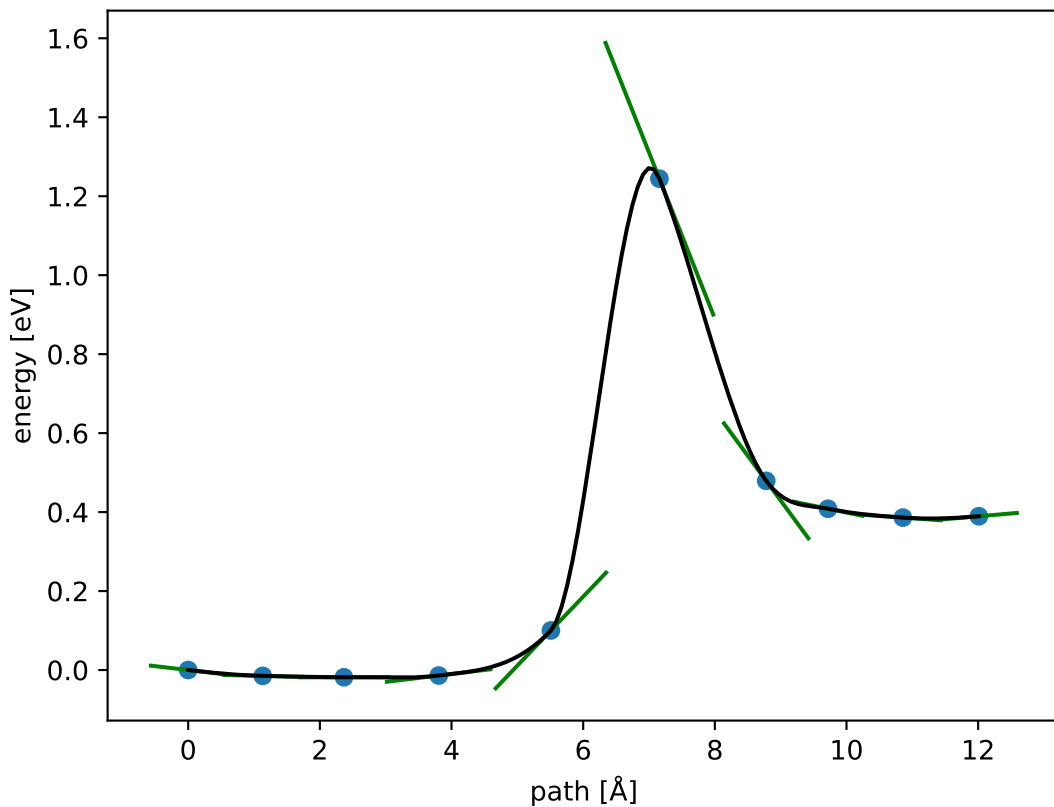
$$E_f \approx 1.224 \text{ eV}; E_r \approx 0.834 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



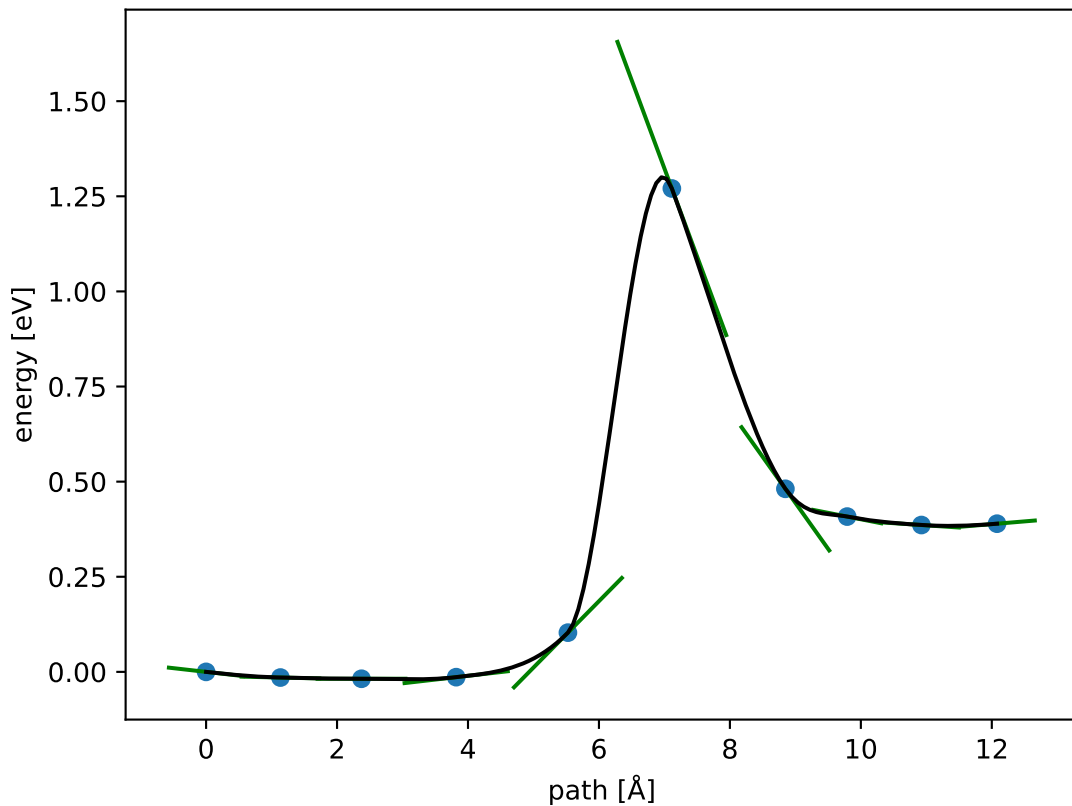
$$E_f \approx 1.230 \text{ eV}; E_r \approx 0.841 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



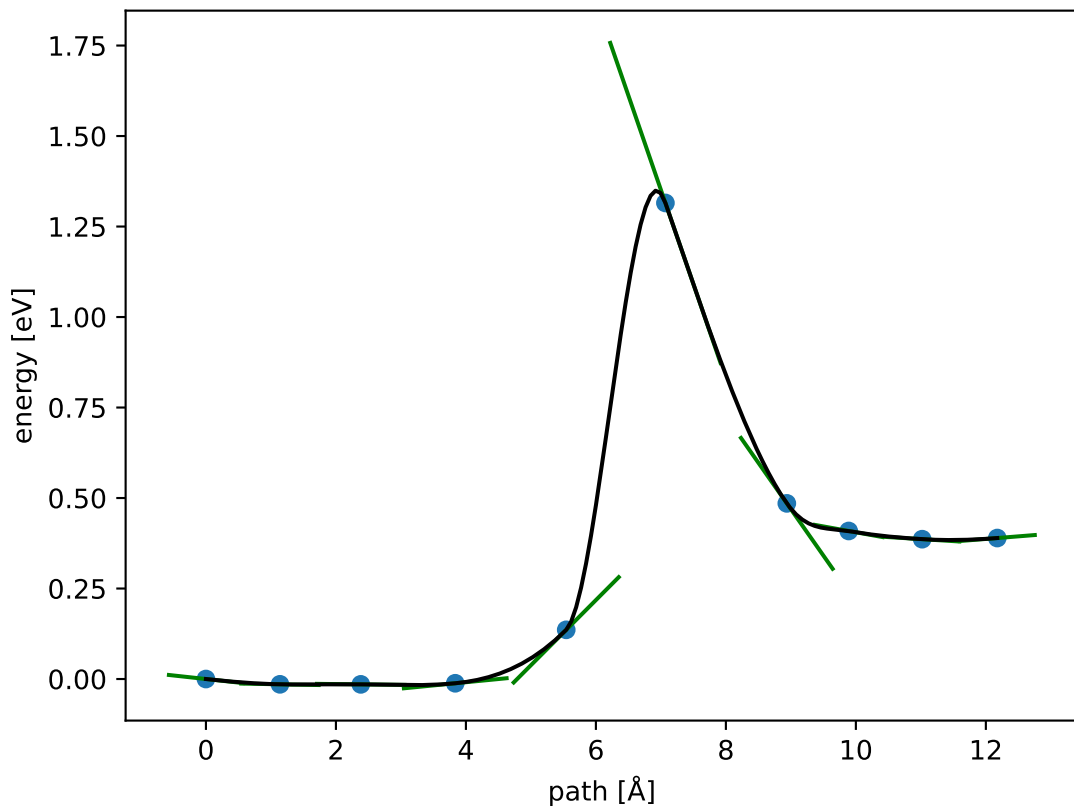
$$E_f \approx 1.244 \text{ eV}; E_r \approx 0.855 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



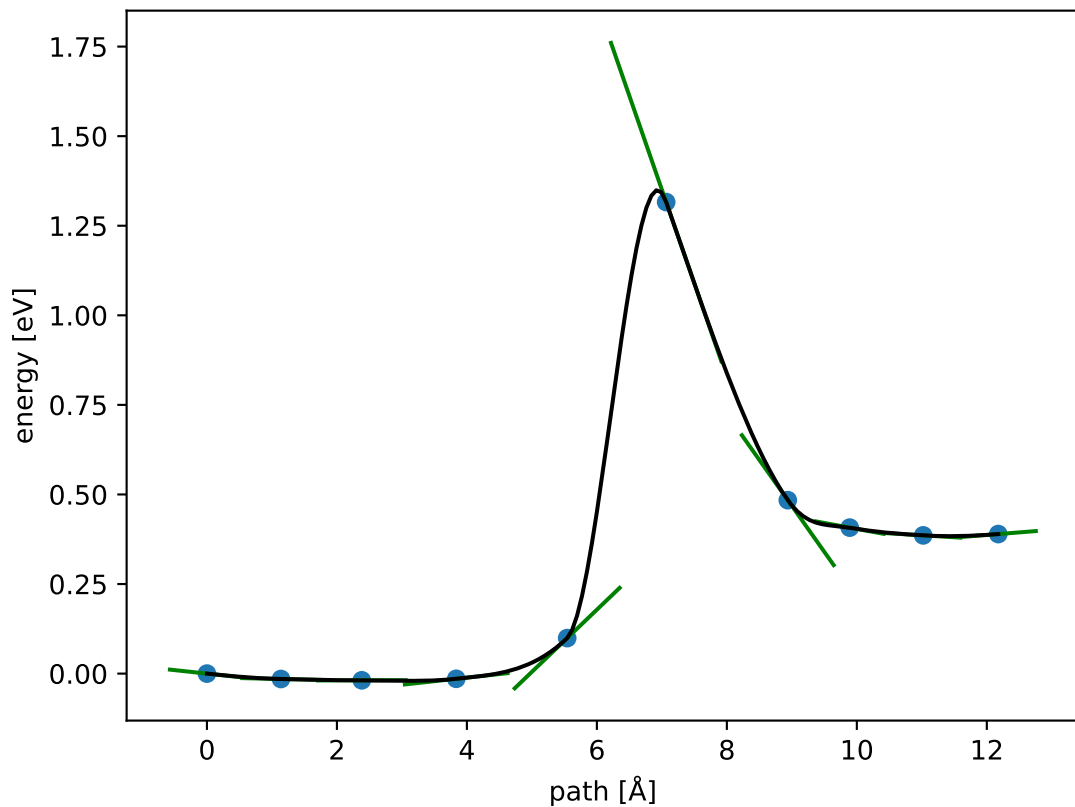
$$E_f \approx 1.271 \text{ eV}; E_r \approx 0.881 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



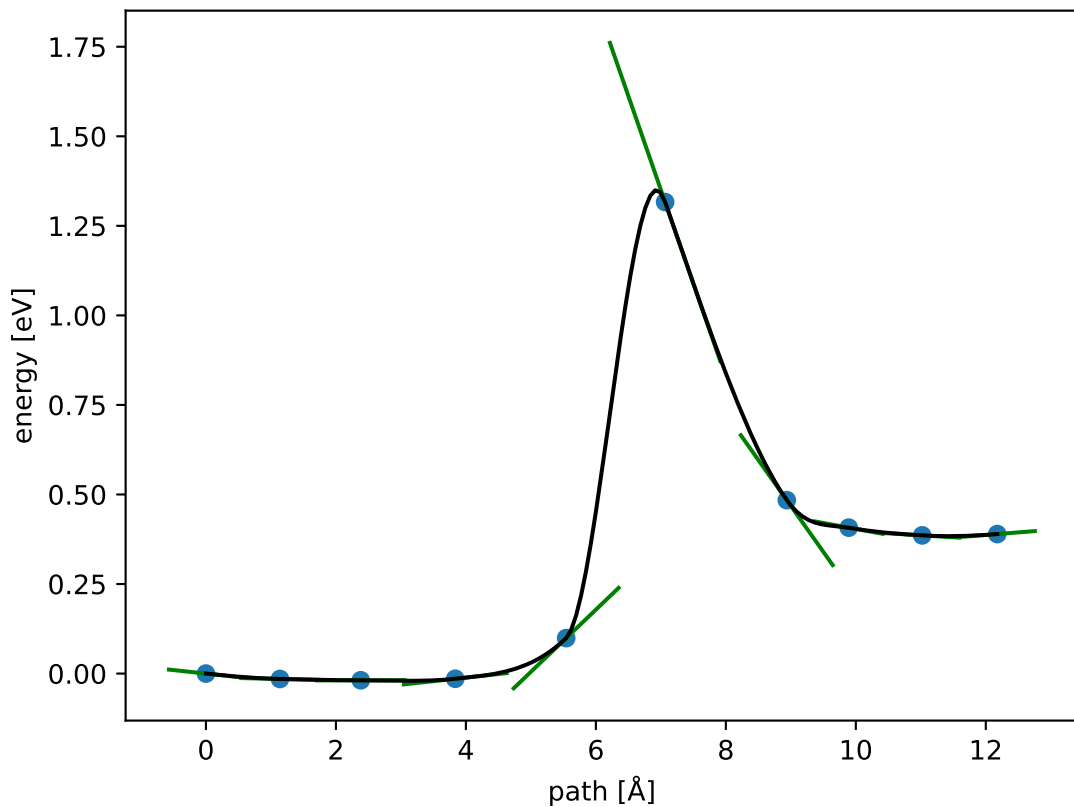
$$E_f \approx 1.315 \text{ eV}; E_r \approx 0.926 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



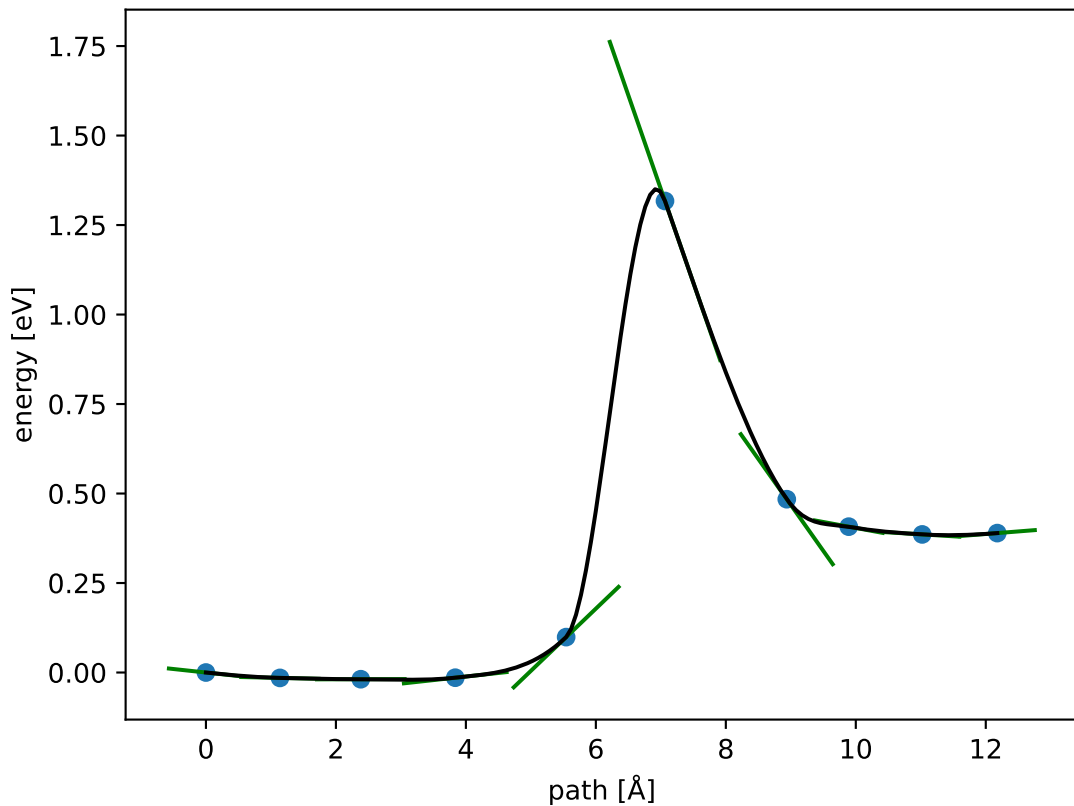
$$E_f \approx 1.316 \text{ eV}; E_r \approx 0.927 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.316 \text{ eV}; E_r \approx 0.927 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

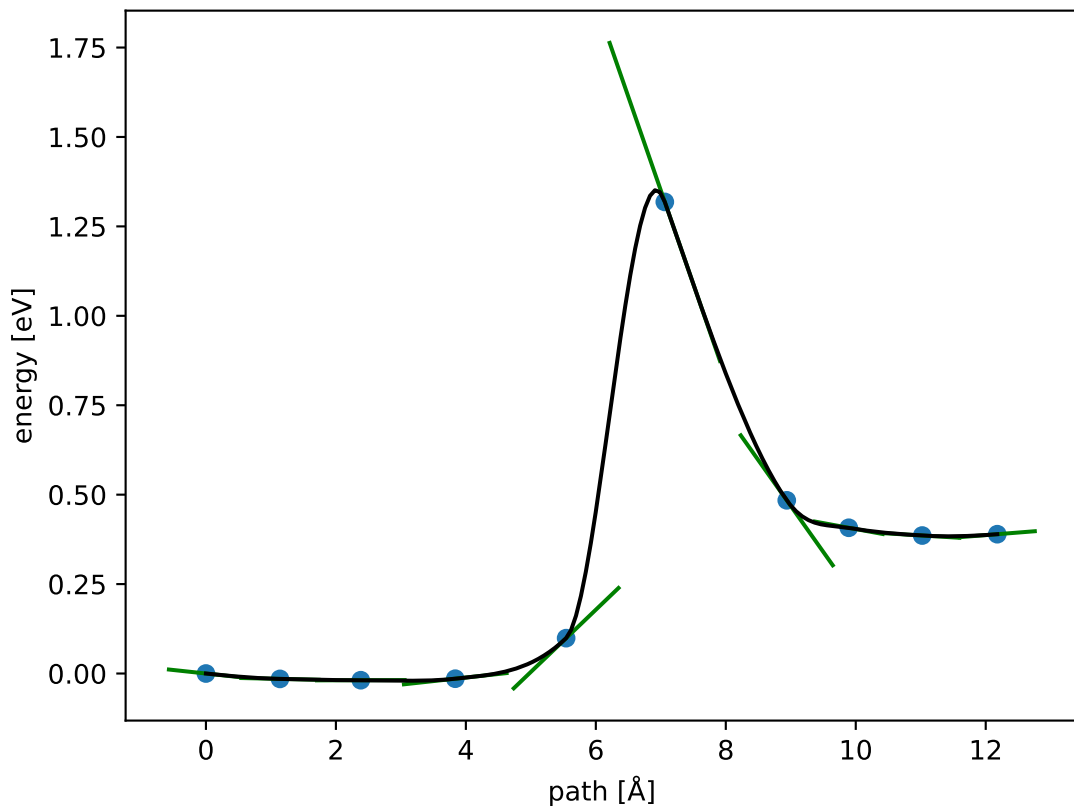


$$E_f \approx 1.317 \text{ eV}; E_r \approx 0.928 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

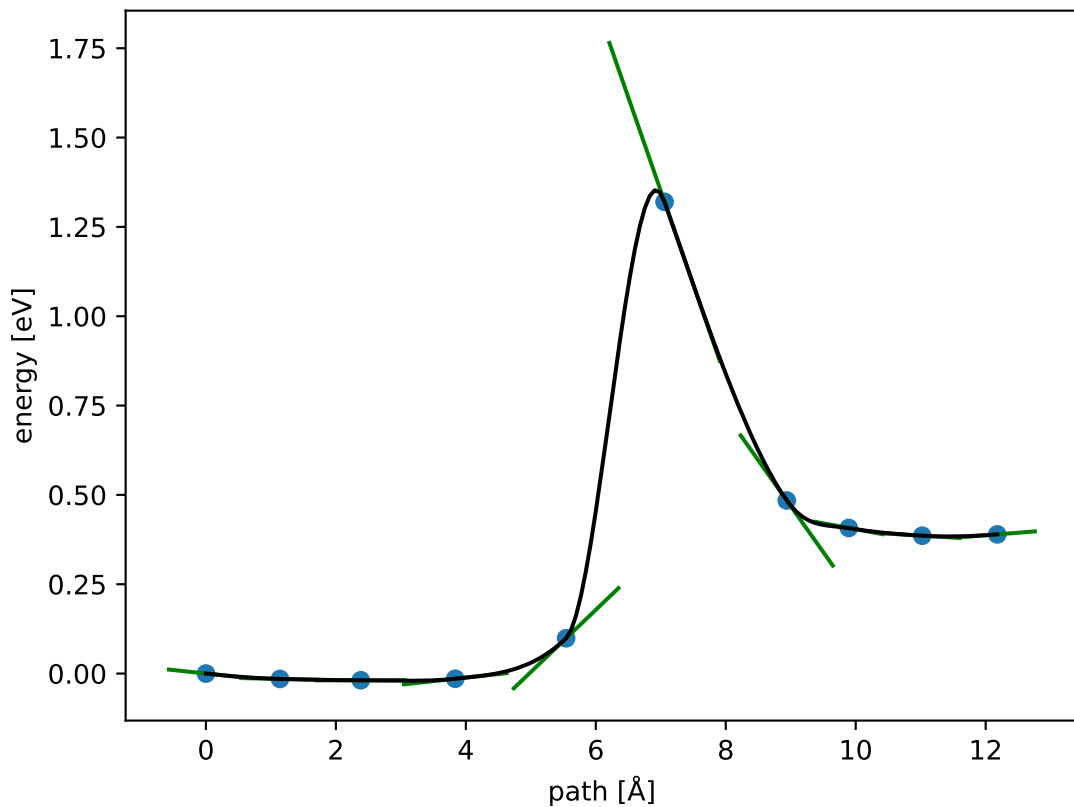




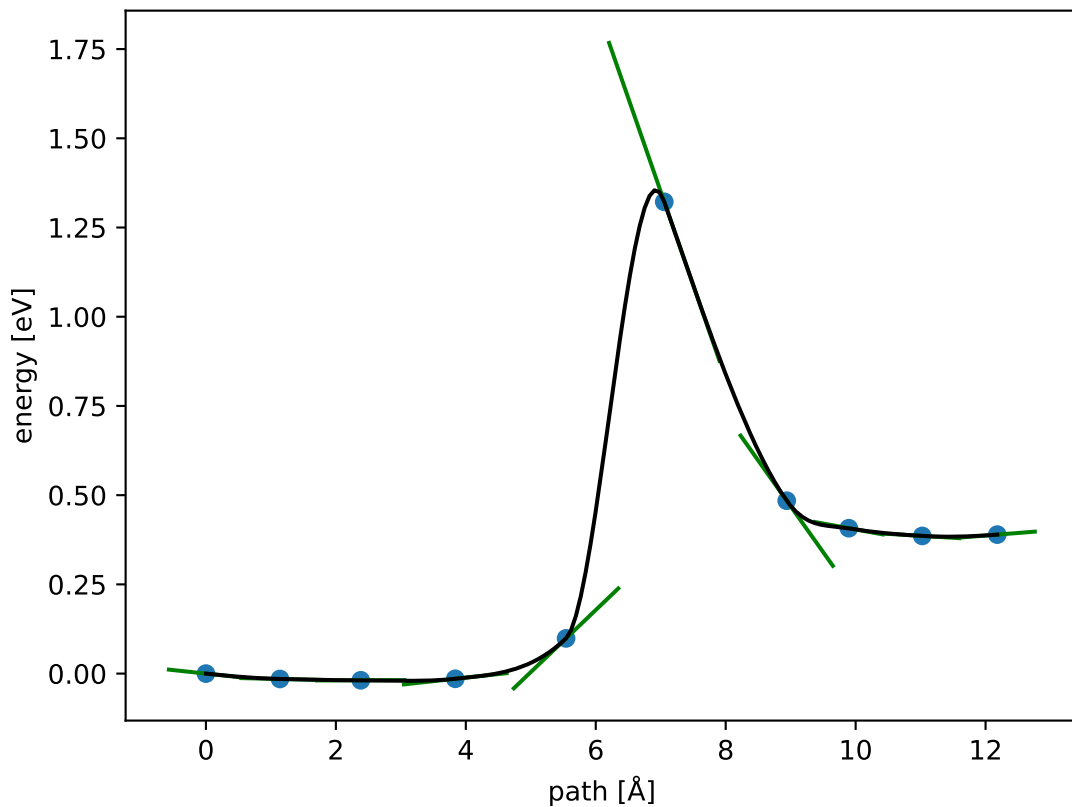
$$E_f \approx 1.318 \text{ eV}; E_r \approx 0.929 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



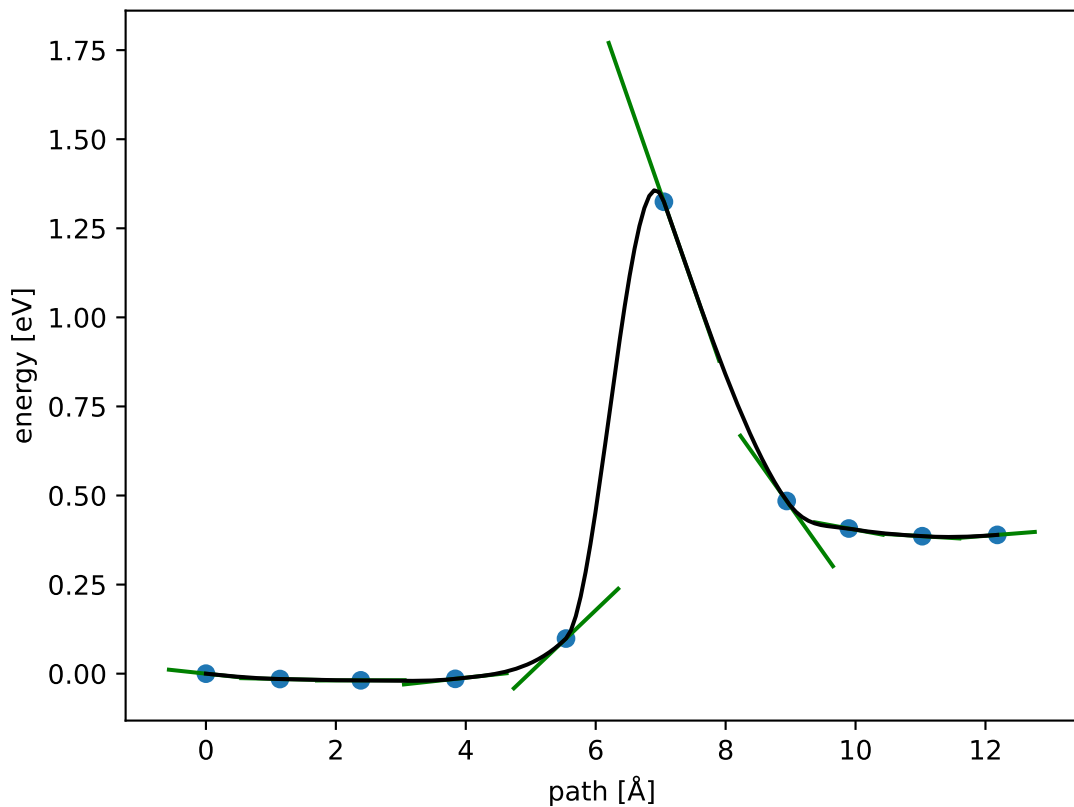
$$E_f \approx 1.320 \text{ eV}; E_r \approx 0.931 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



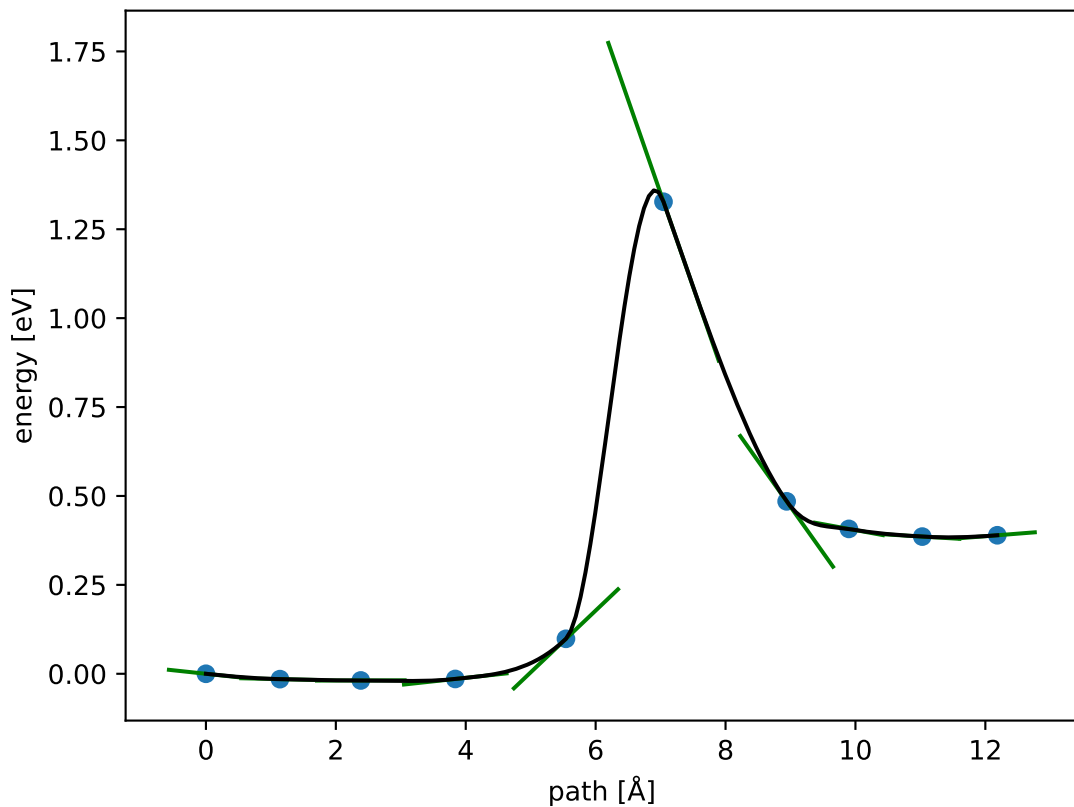
$$E_f \approx 1.322 \text{ eV}; E_r \approx 0.933 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



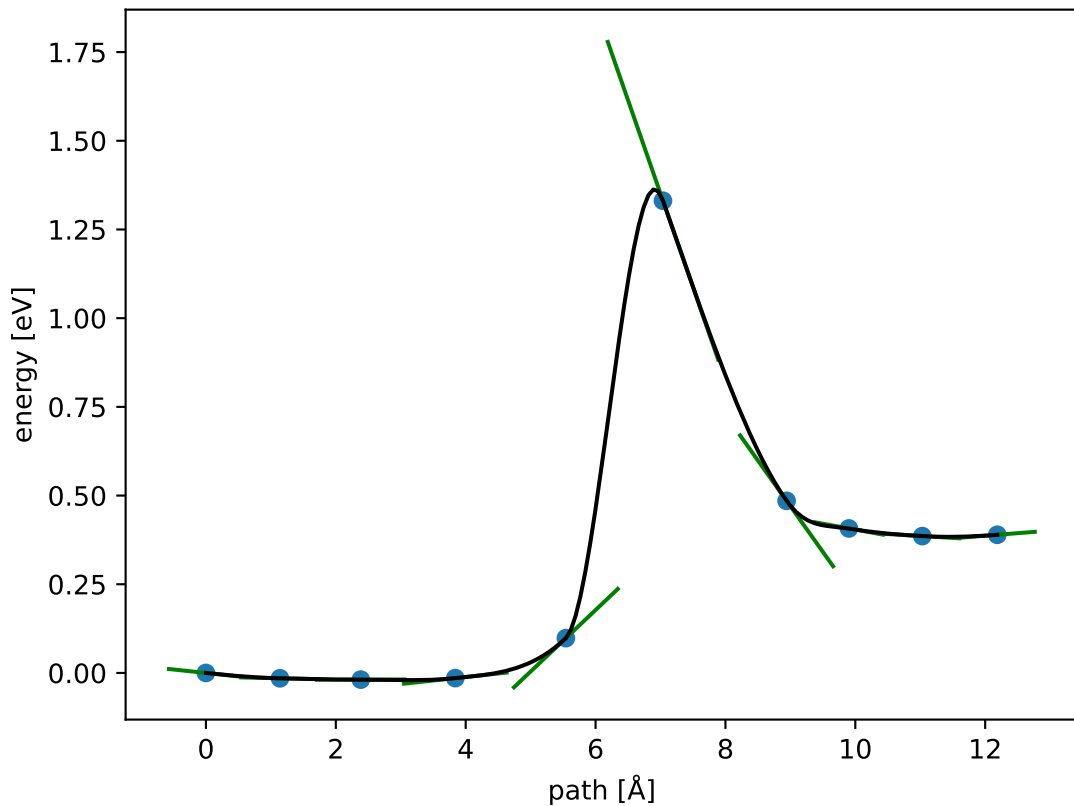
$$E_f \approx 1.324 \text{ eV}; E_r \approx 0.935 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



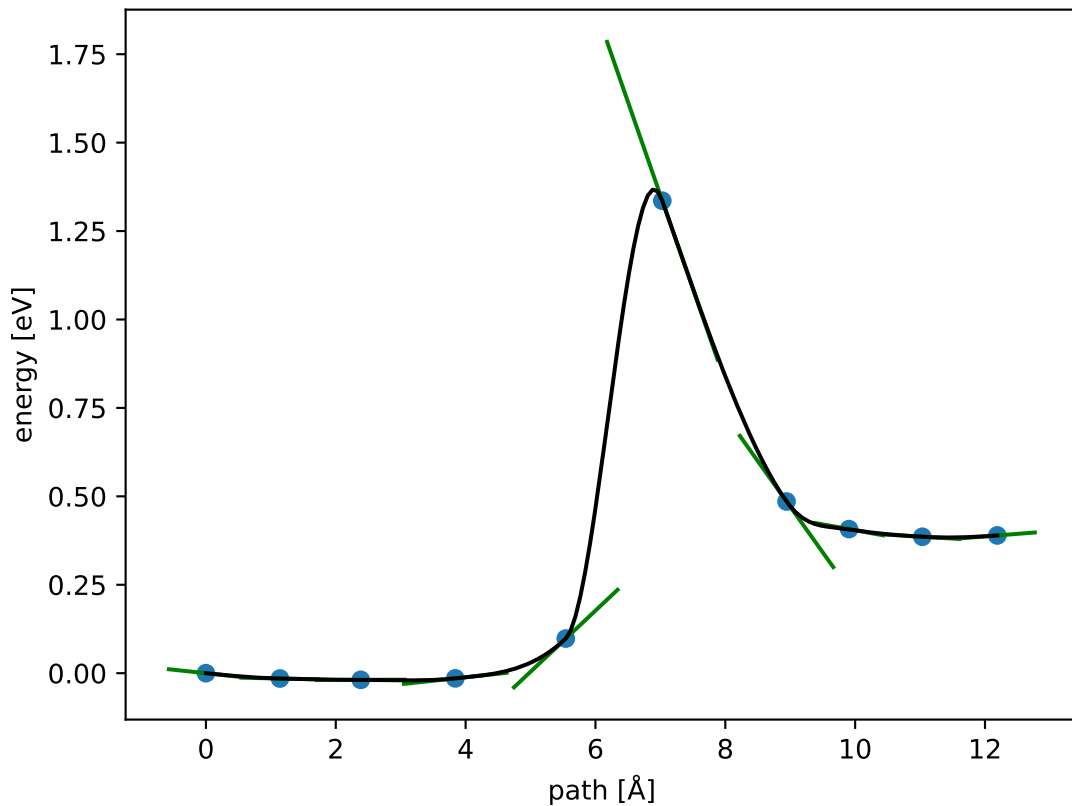
$$E_f \approx 1.327 \text{ eV}; E_r \approx 0.938 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



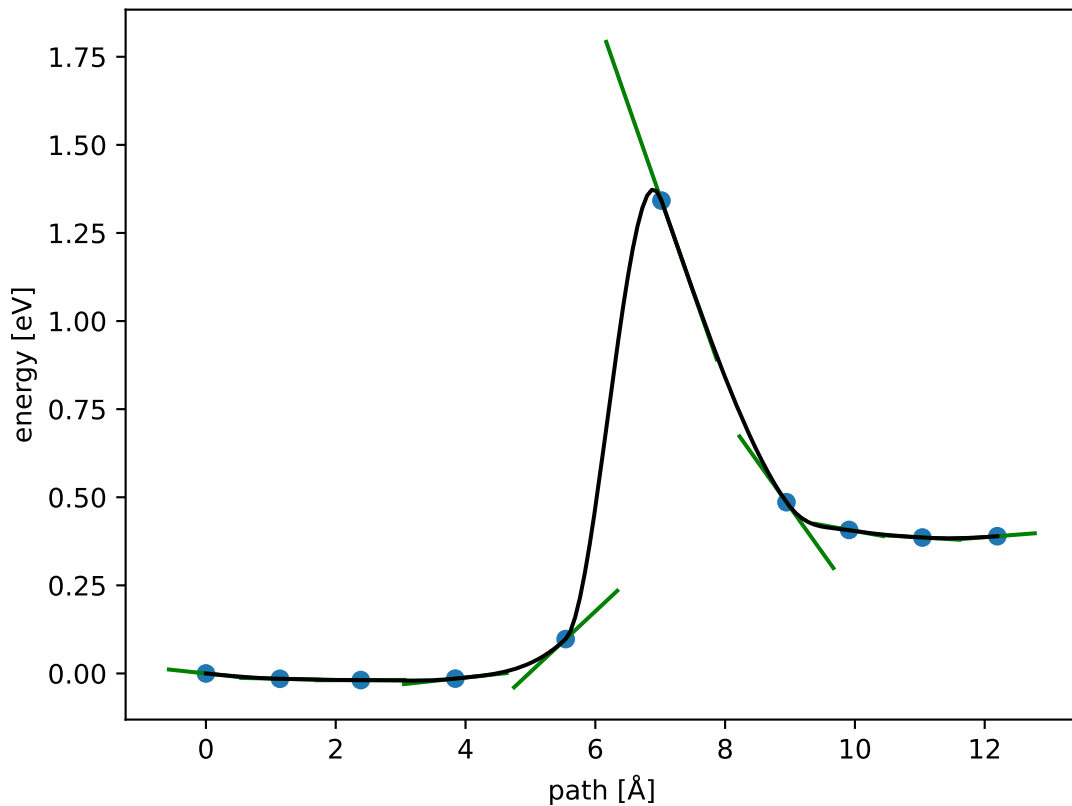
$$E_f \approx 1.331 \text{ eV}; E_r \approx 0.942 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.336 \text{ eV}; E_r \approx 0.946 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

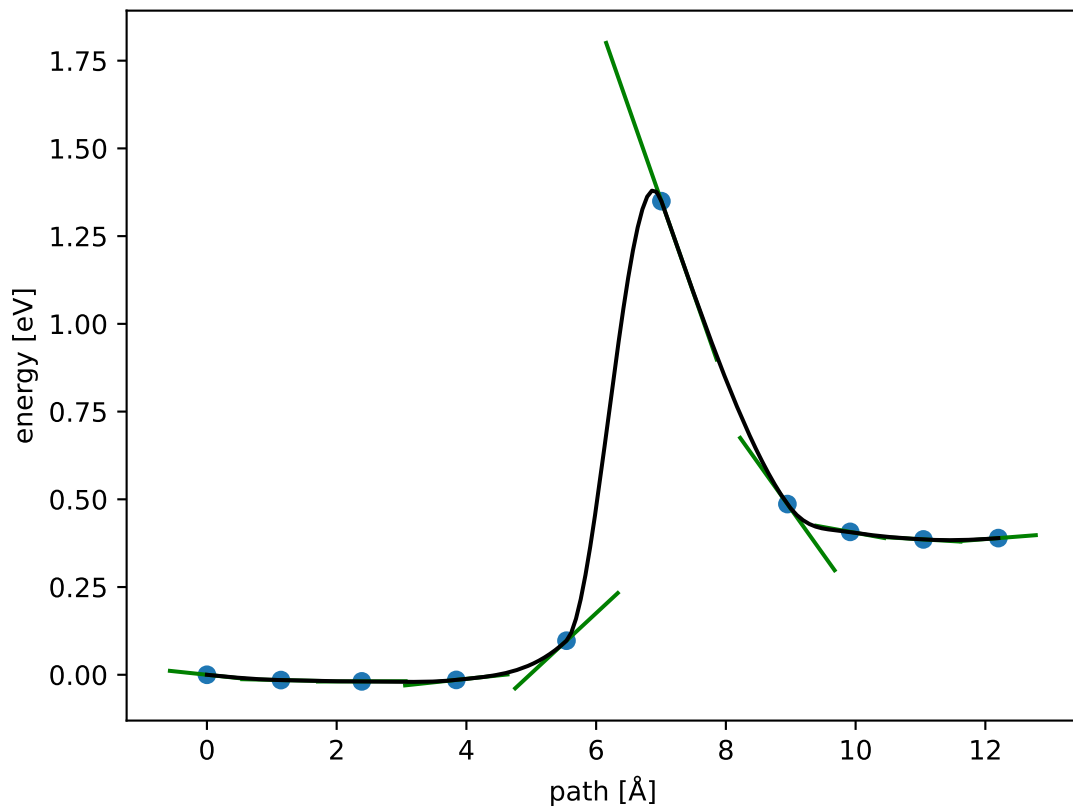


$$E_f \approx 1.342 \text{ eV}; E_r \approx 0.952 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

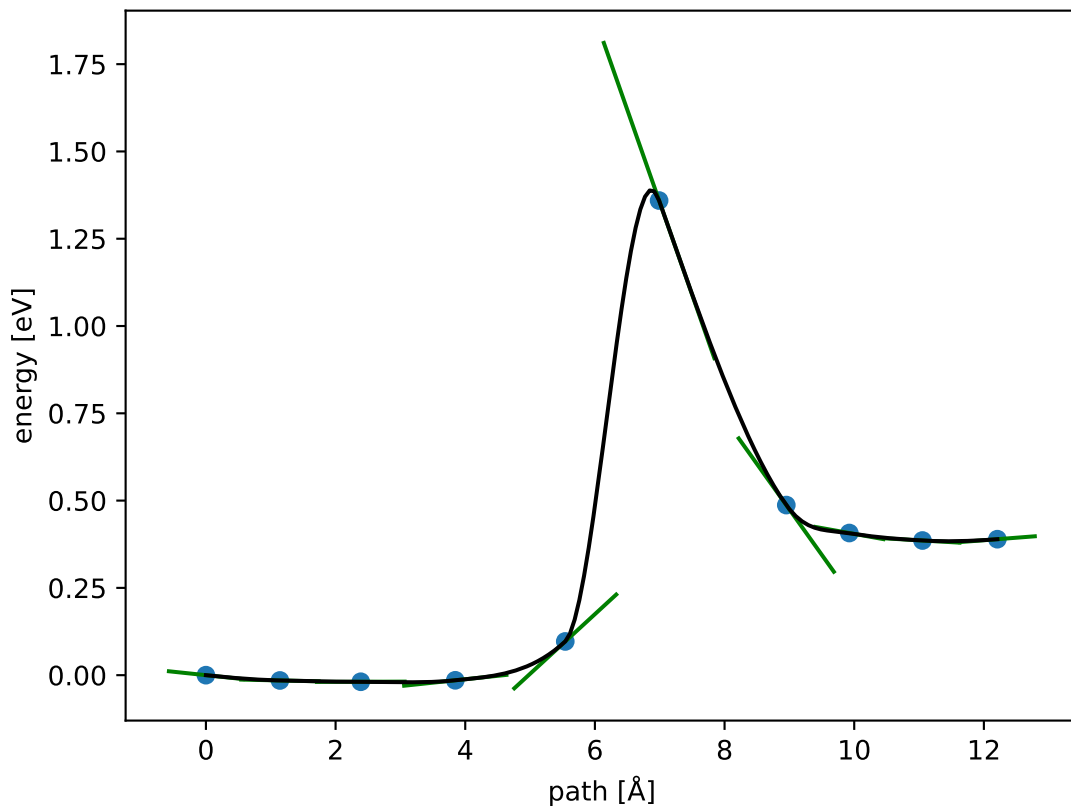




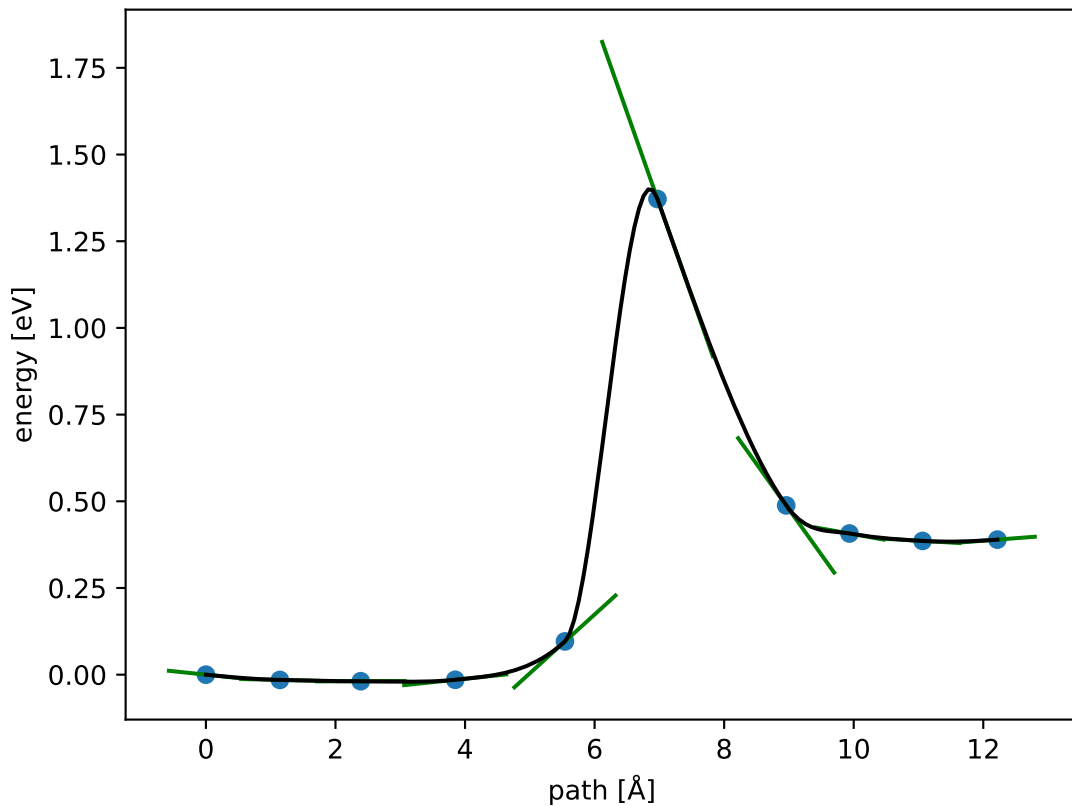
$$E_f \approx 1.350 \text{ eV}; E_r \approx 0.960 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



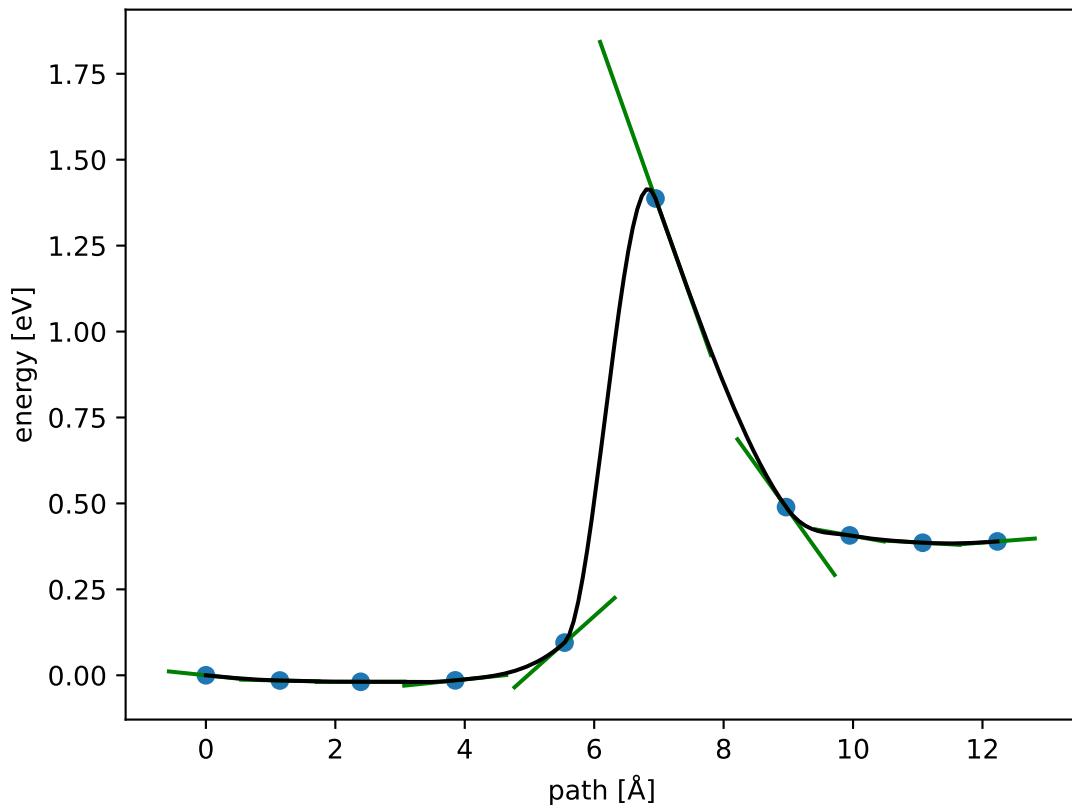
$$E_f \approx 1.359 \text{ eV}; E_r \approx 0.970 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



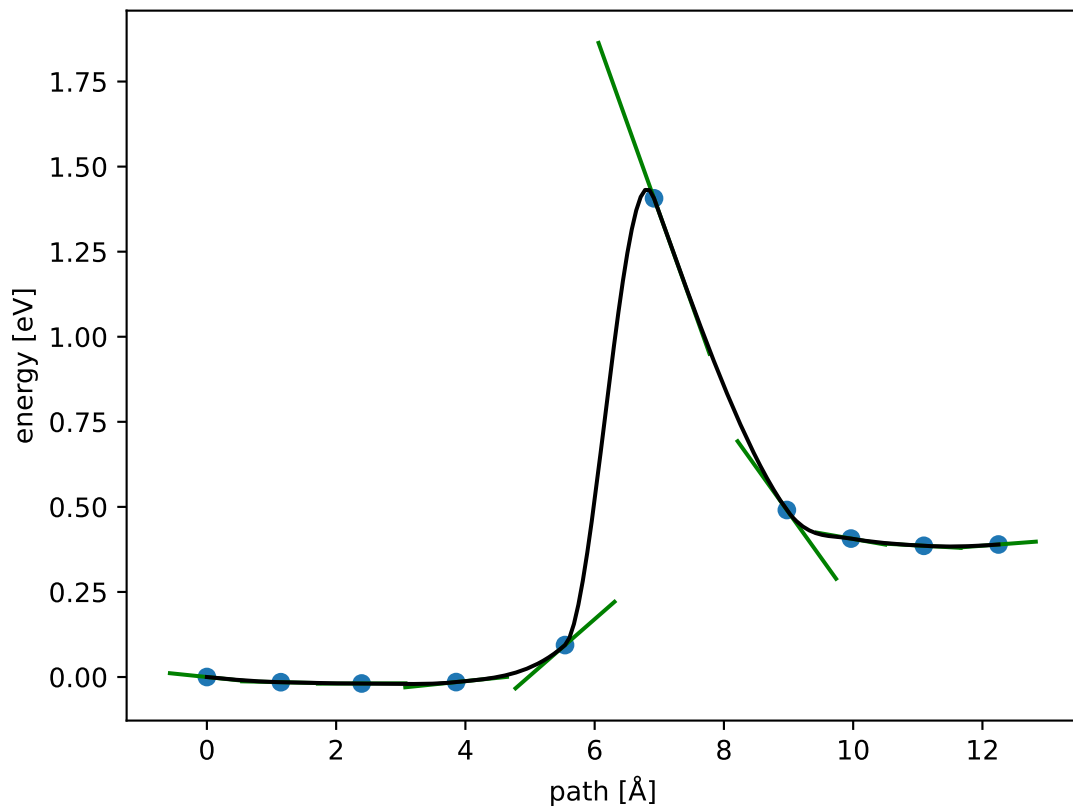
$$E_f \approx 1.372 \text{ eV}; E_r \approx 0.982 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



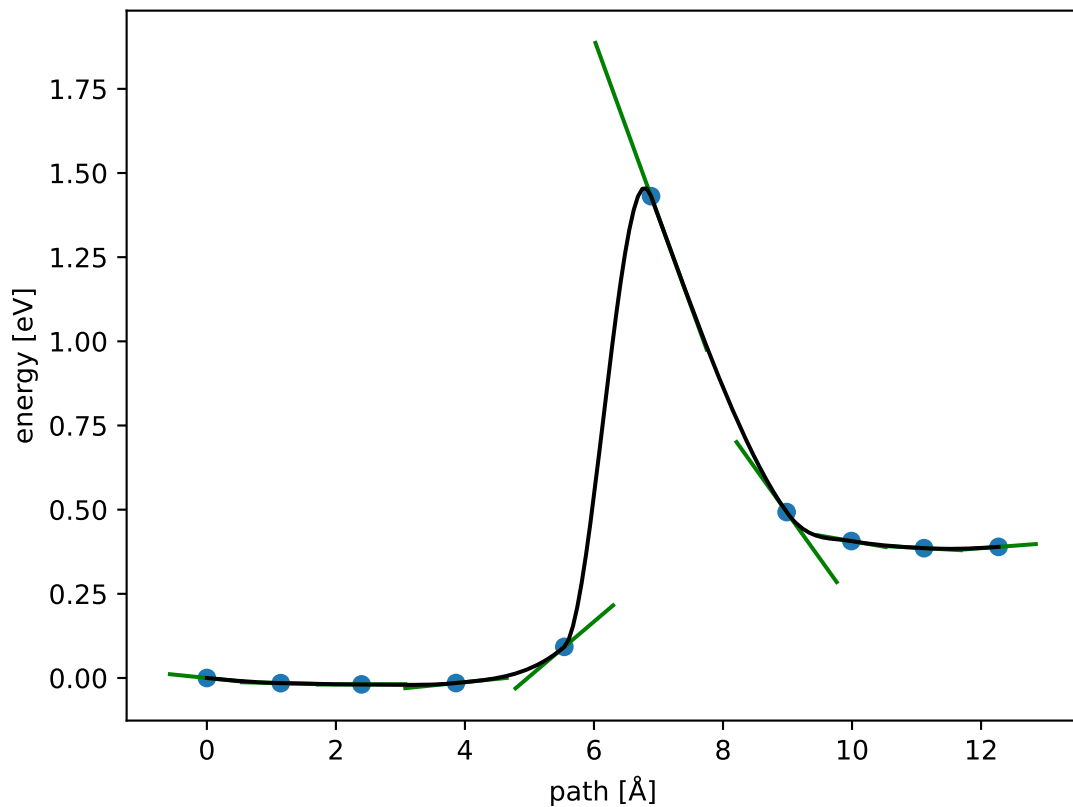
$$E_f \approx 1.387 \text{ eV}; E_r \approx 0.998 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



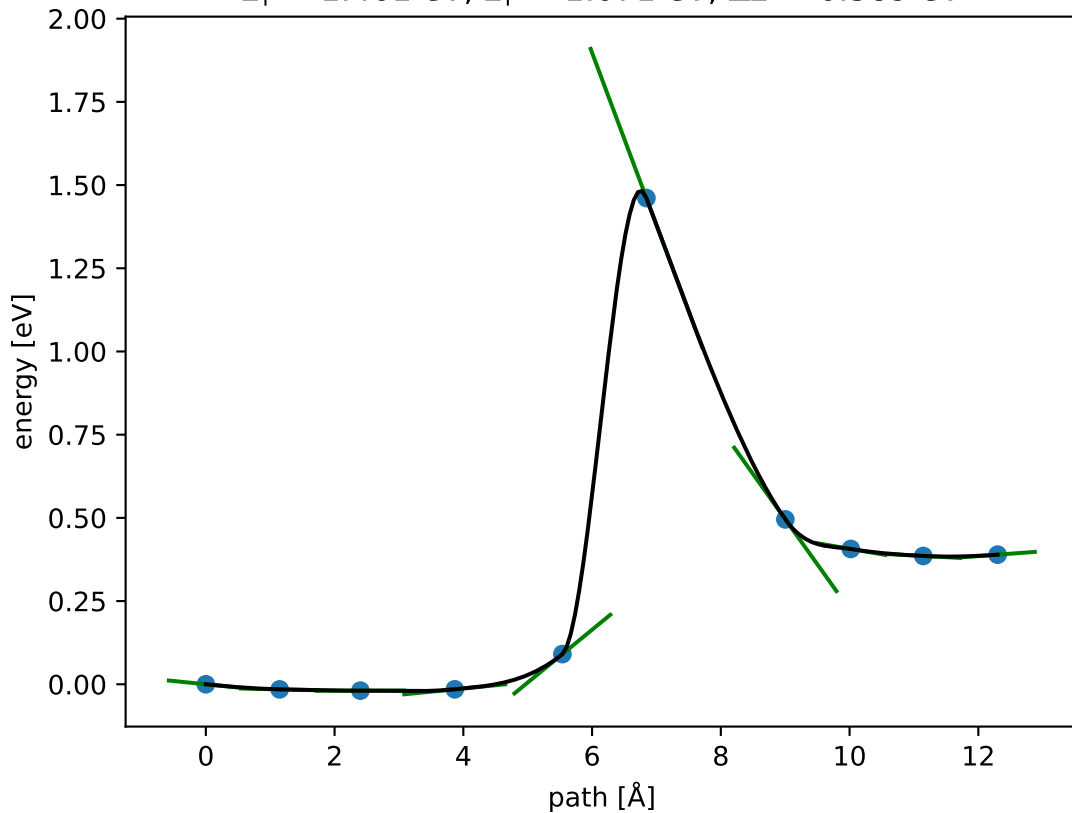
$$E_f \approx 1.407 \text{ eV}; E_r \approx 1.017 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



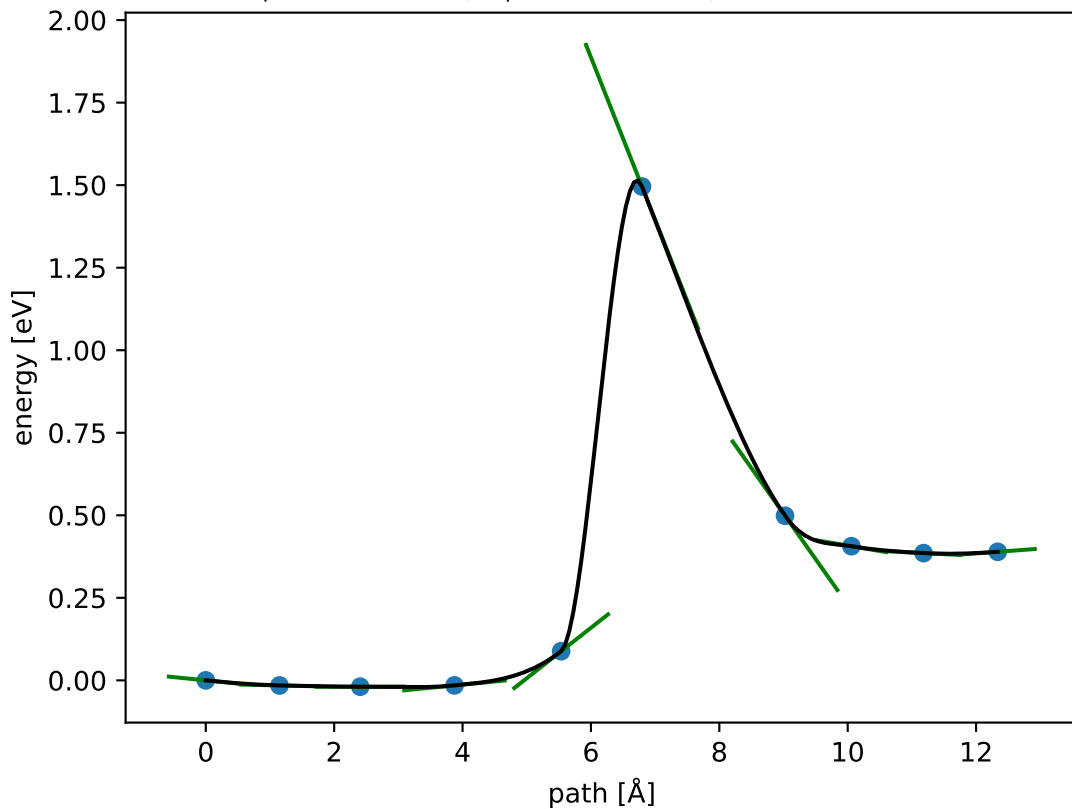
$$E_f \approx 1.431 \text{ eV}; E_r \approx 1.042 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.461 \text{ eV}; E_r \approx 1.071 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

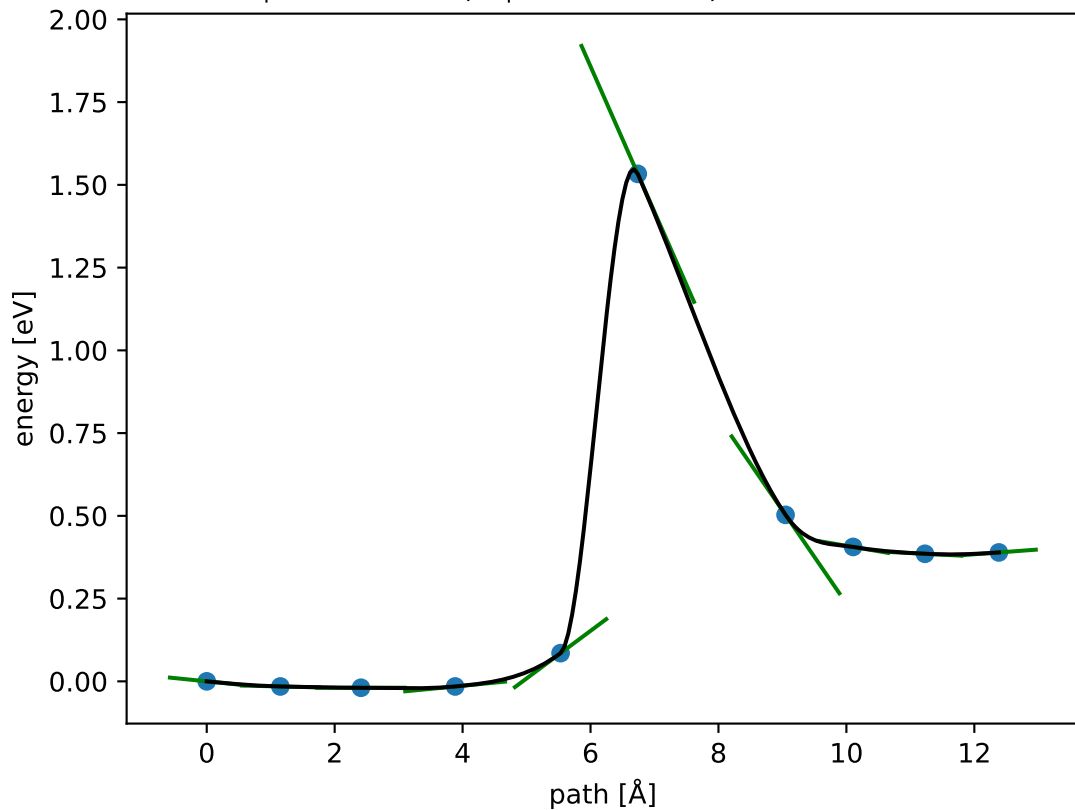


$$E_f \approx 1.496 \text{ eV}; E_r \approx 1.106 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

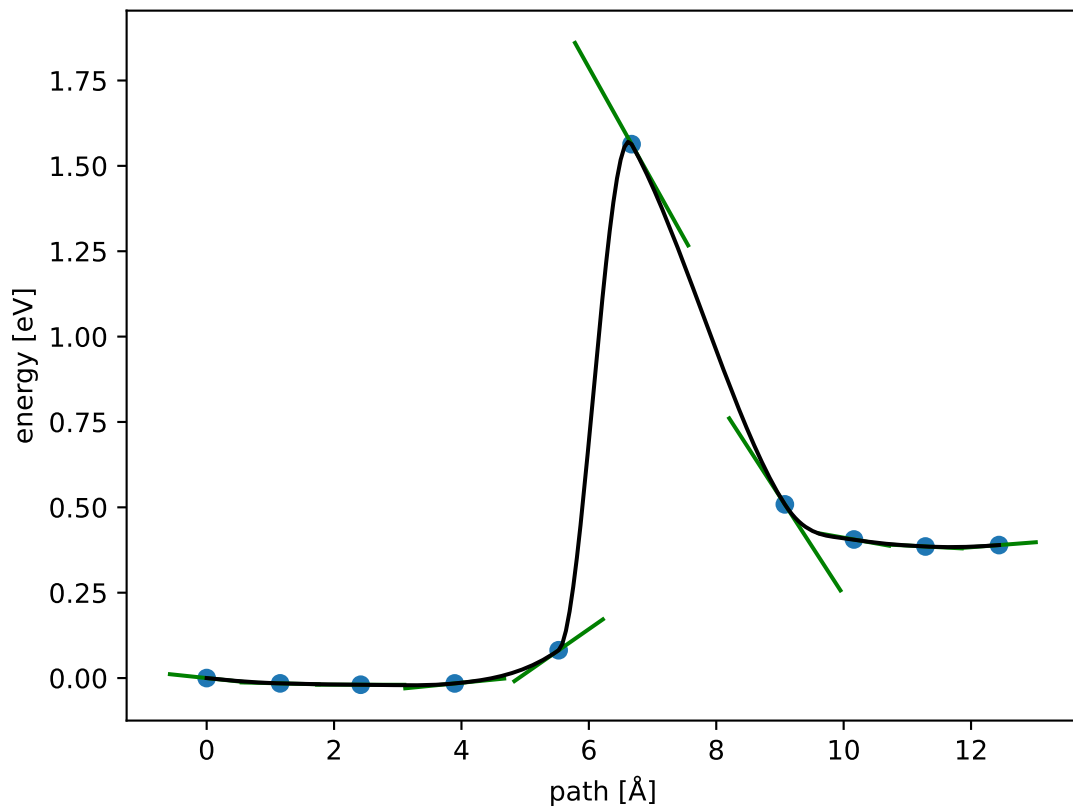




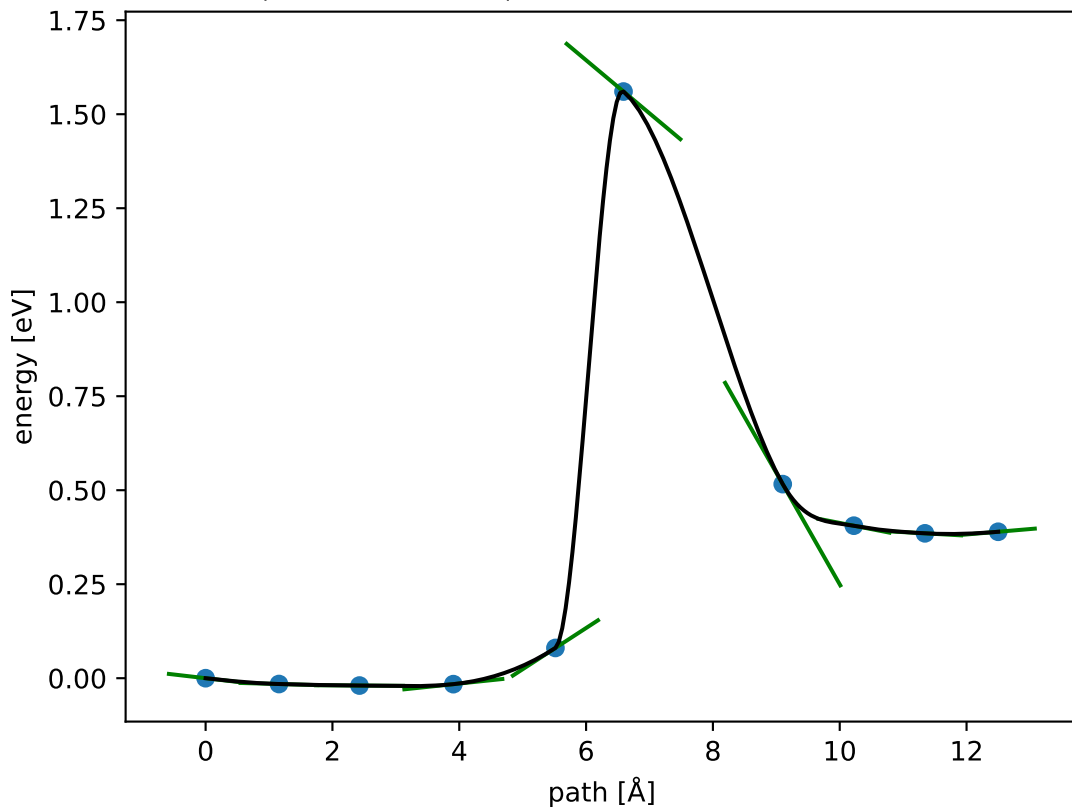
$$E_f \approx 1.533 \text{ eV}; E_r \approx 1.144 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



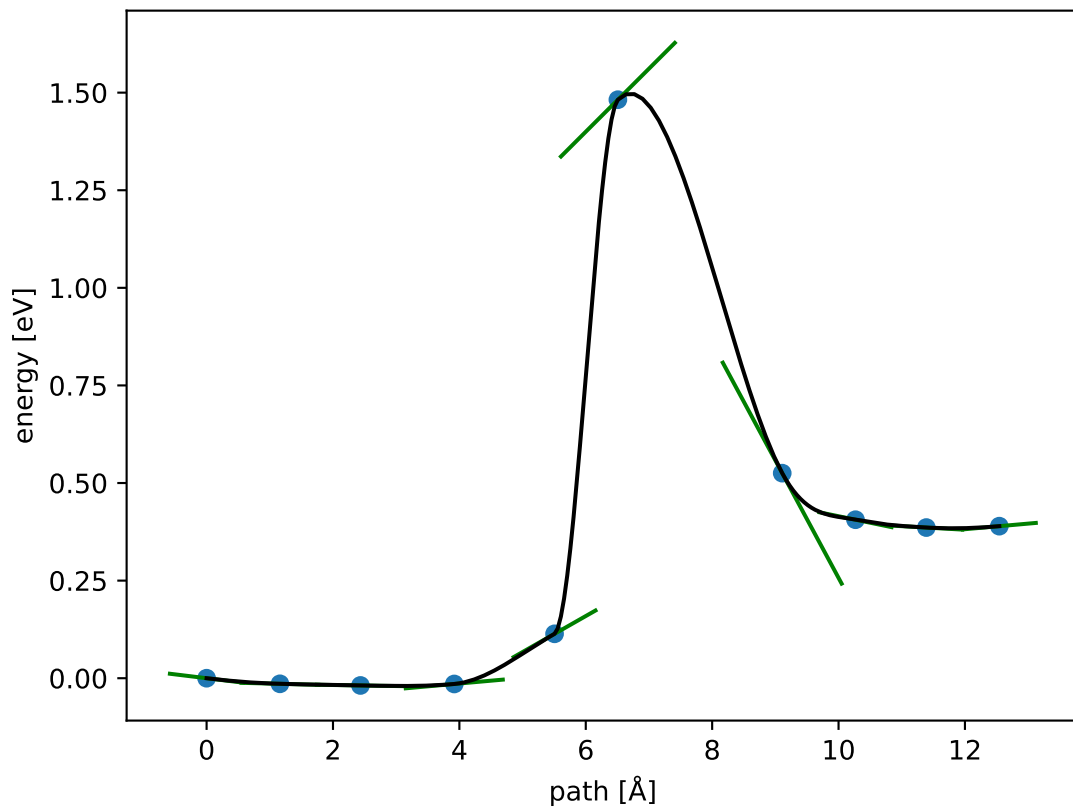
$$E_f \approx 1.564 \text{ eV}; E_r \approx 1.174 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



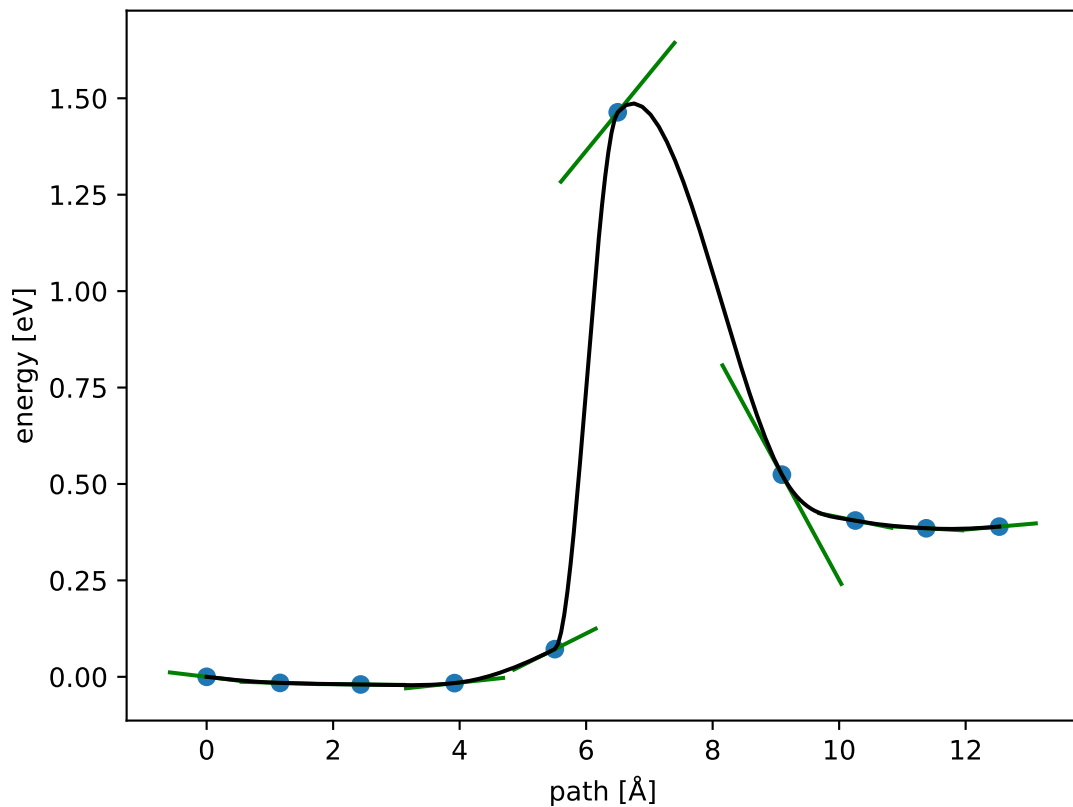
$$E_f \approx 1.560 \text{ eV}; E_r \approx 1.171 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



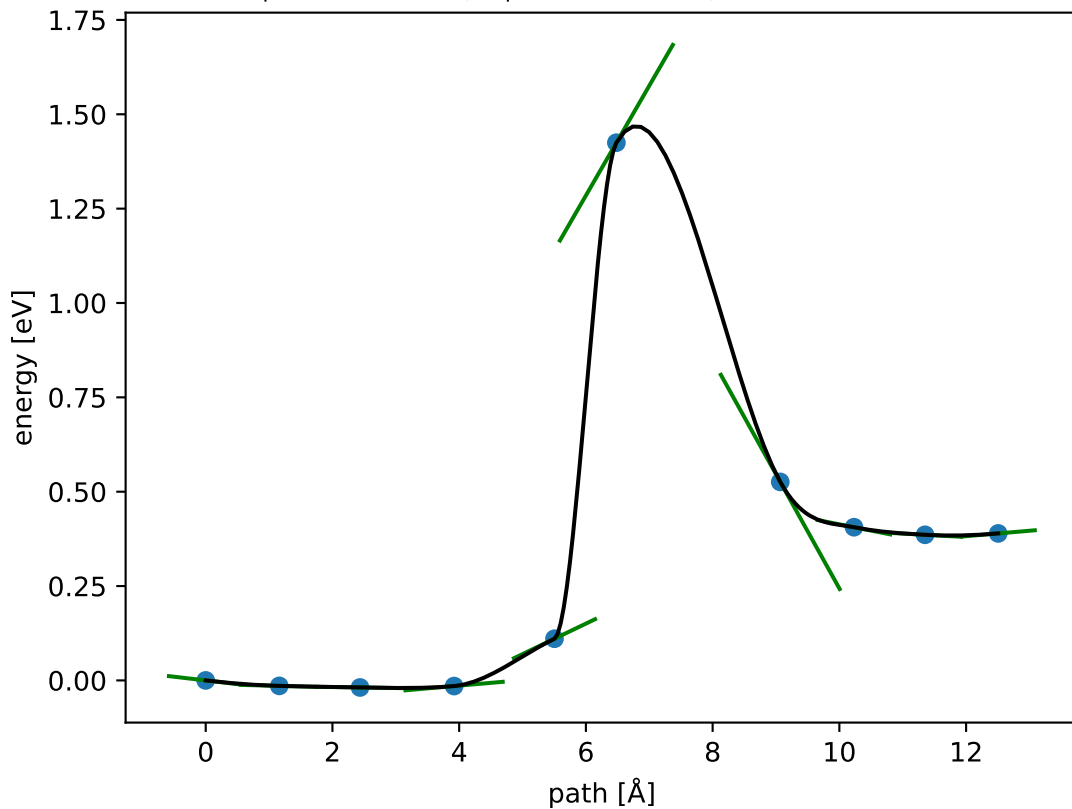
$$E_f \approx 1.482 \text{ eV}; E_r \approx 1.092 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



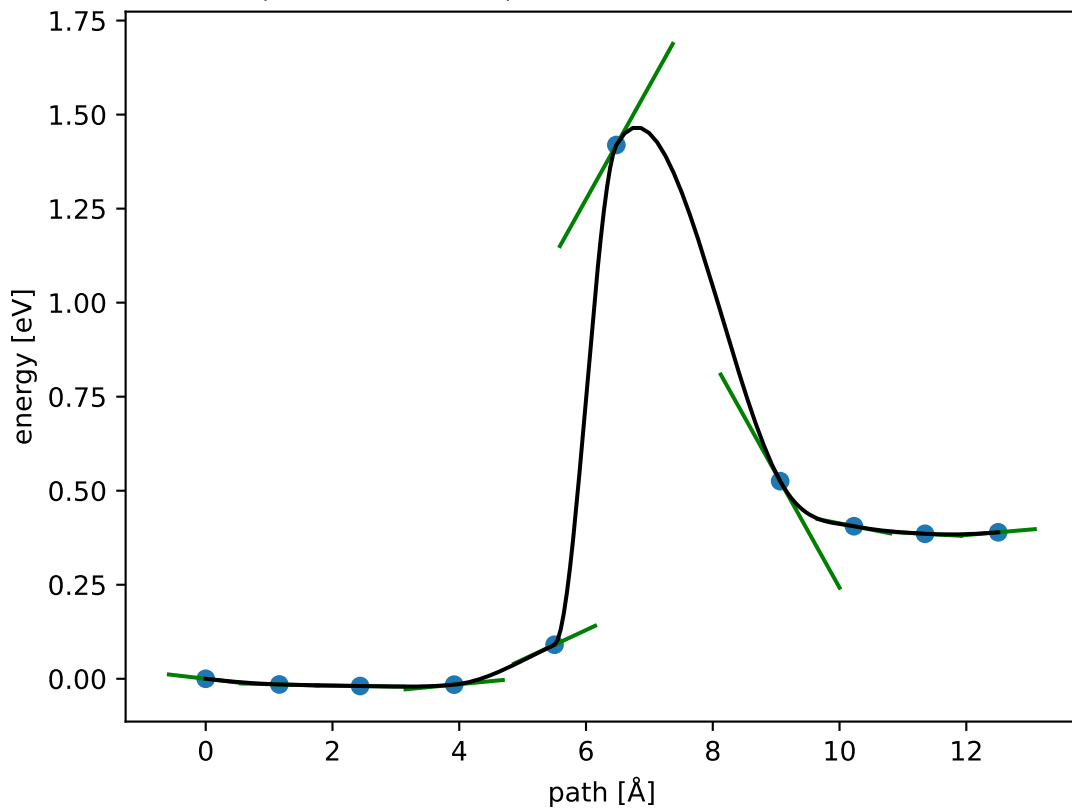
$$E_f \approx 1.464 \text{ eV}; E_r \approx 1.074 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



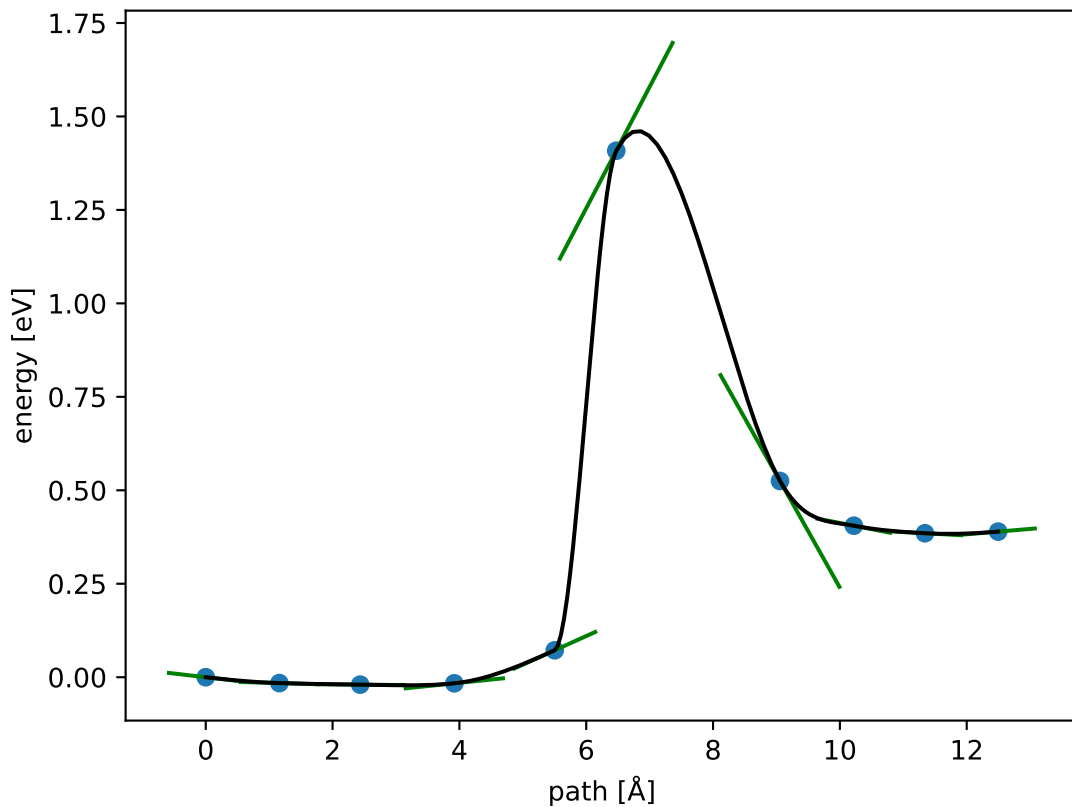
$$E_f \approx 1.425 \text{ eV}; E_r \approx 1.035 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.419 \text{ eV}; E_r \approx 1.030 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

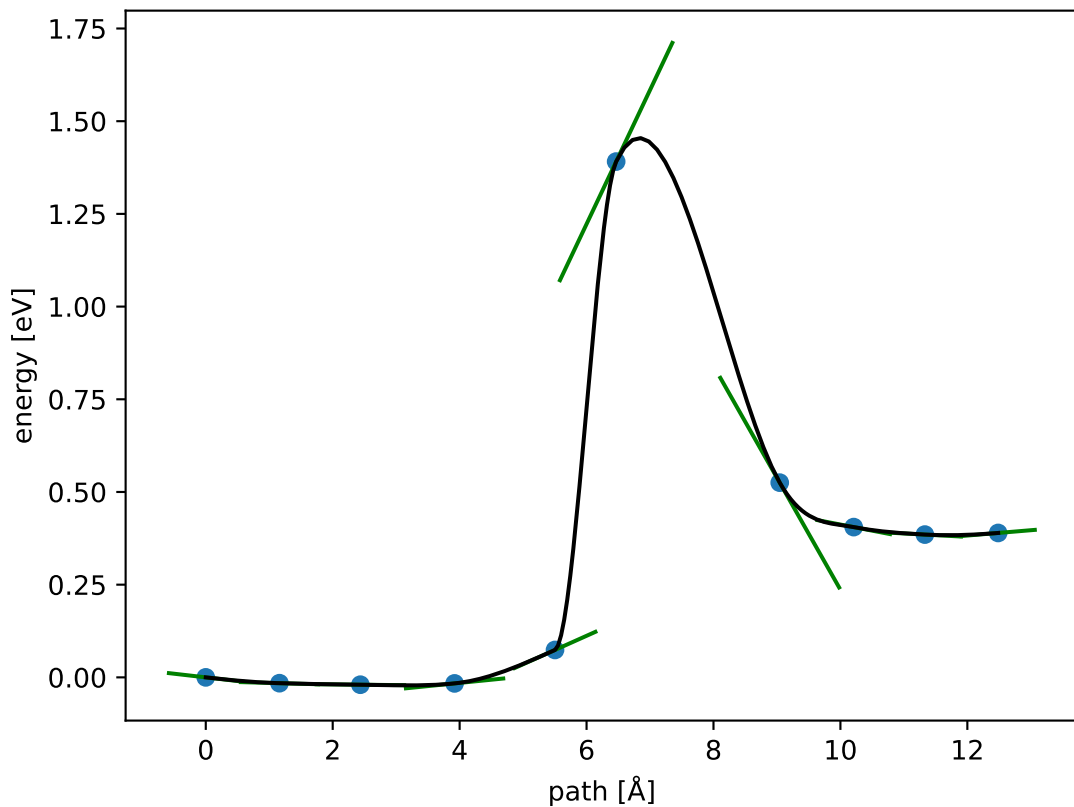


$$E_f \approx 1.408 \text{ eV}; E_r \approx 1.019 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

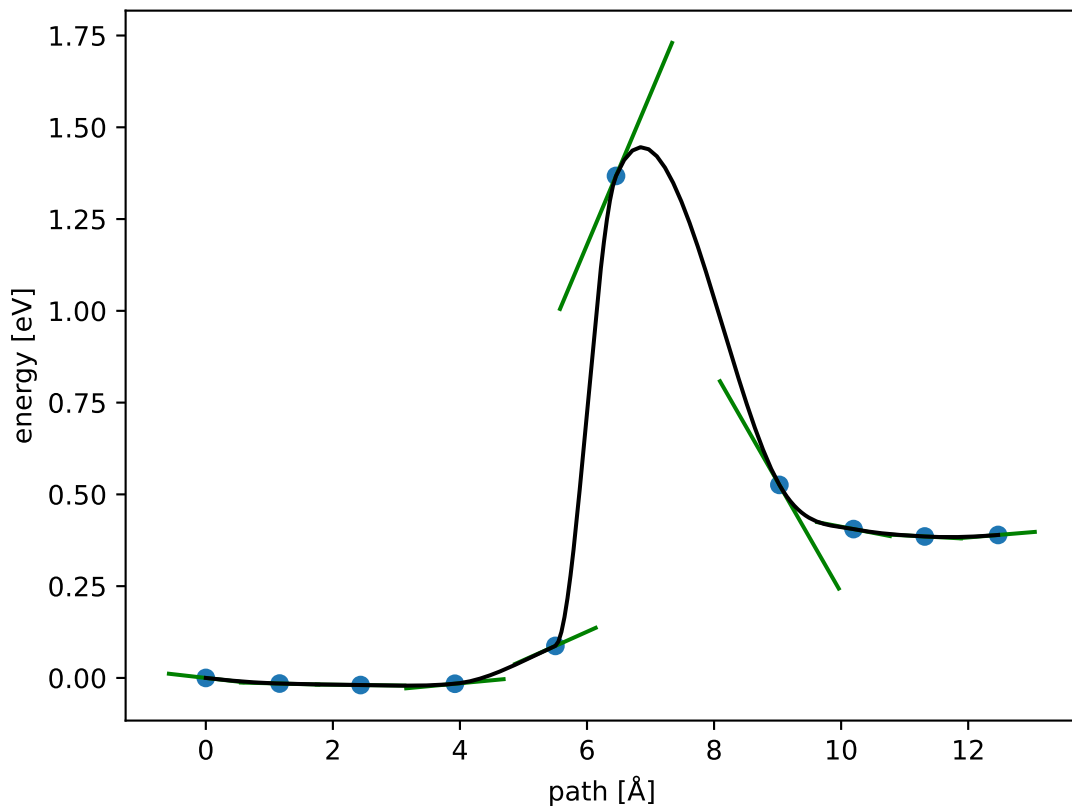




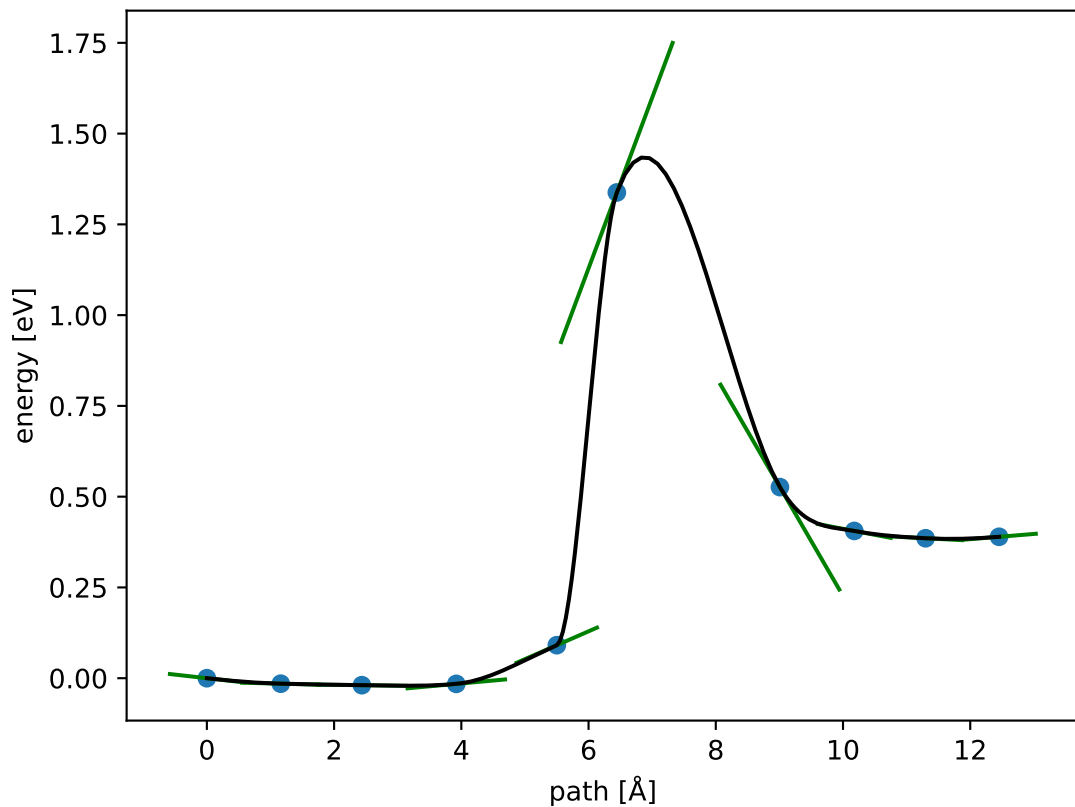
$$E_f \approx 1.391 \text{ eV}; E_r \approx 1.002 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



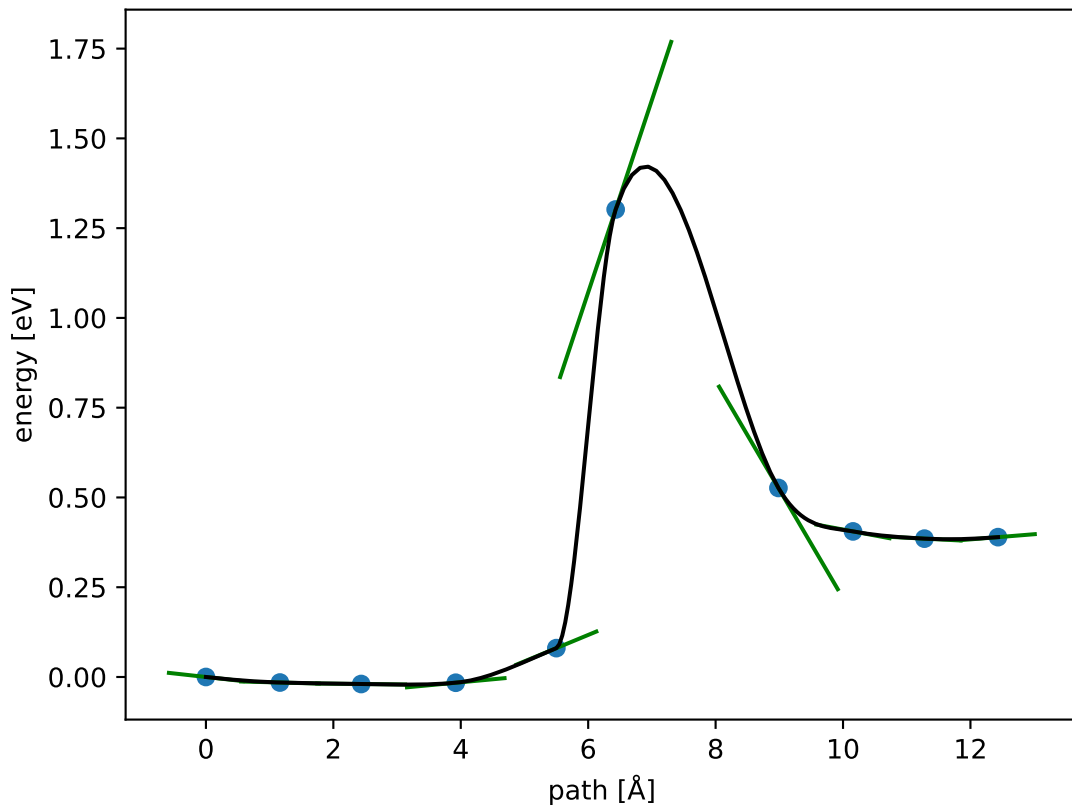
$$E_f \approx 1.368 \text{ eV}; E_r \approx 0.978 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



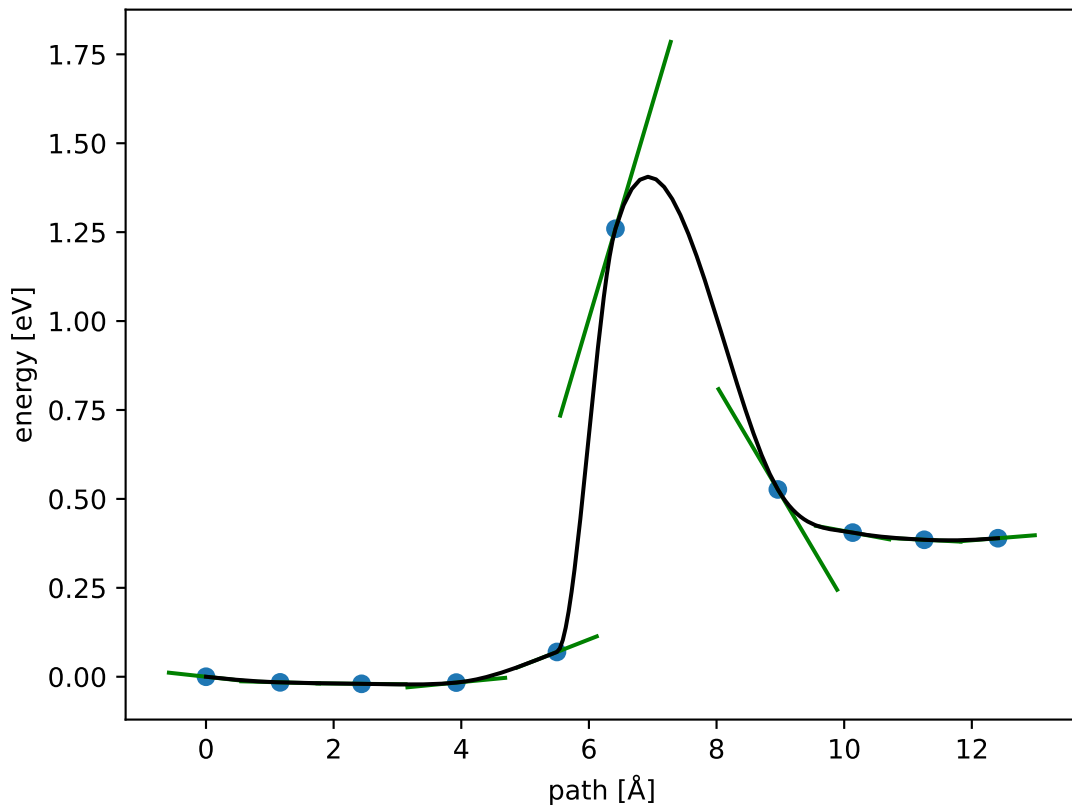
$$E_f \approx 1.338 \text{ eV}; E_r \approx 0.948 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



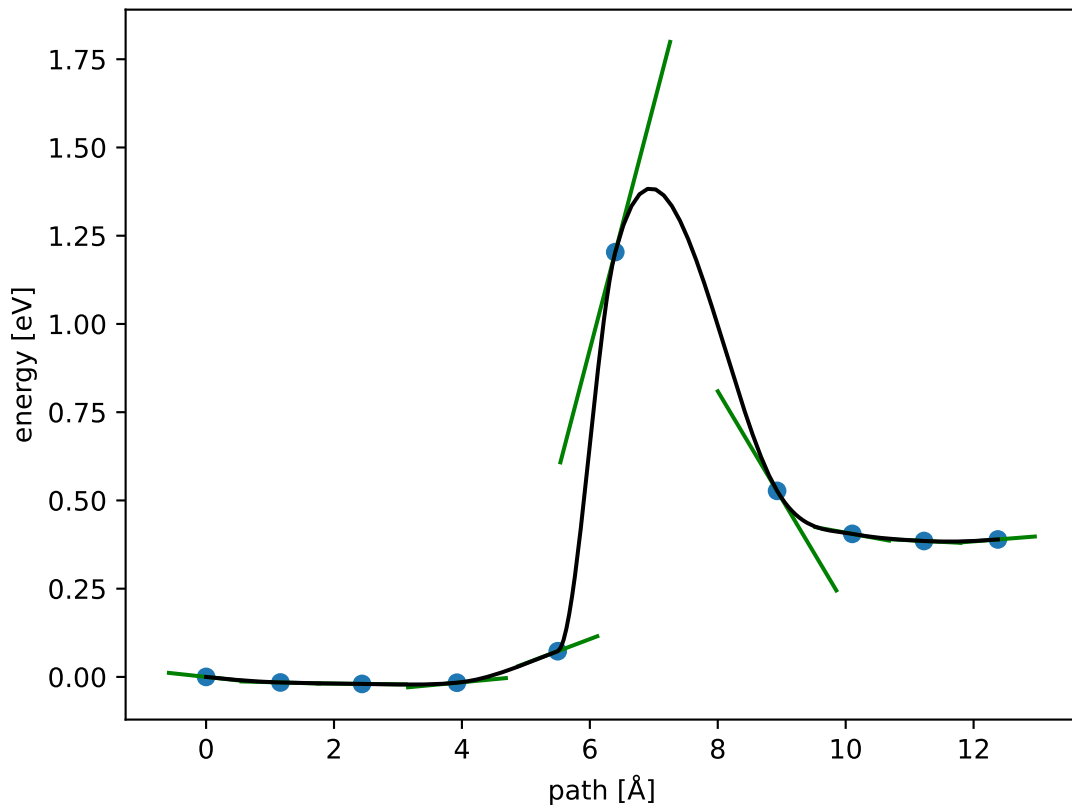
$$E_f \approx 1.302 \text{ eV}; E_r \approx 0.913 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



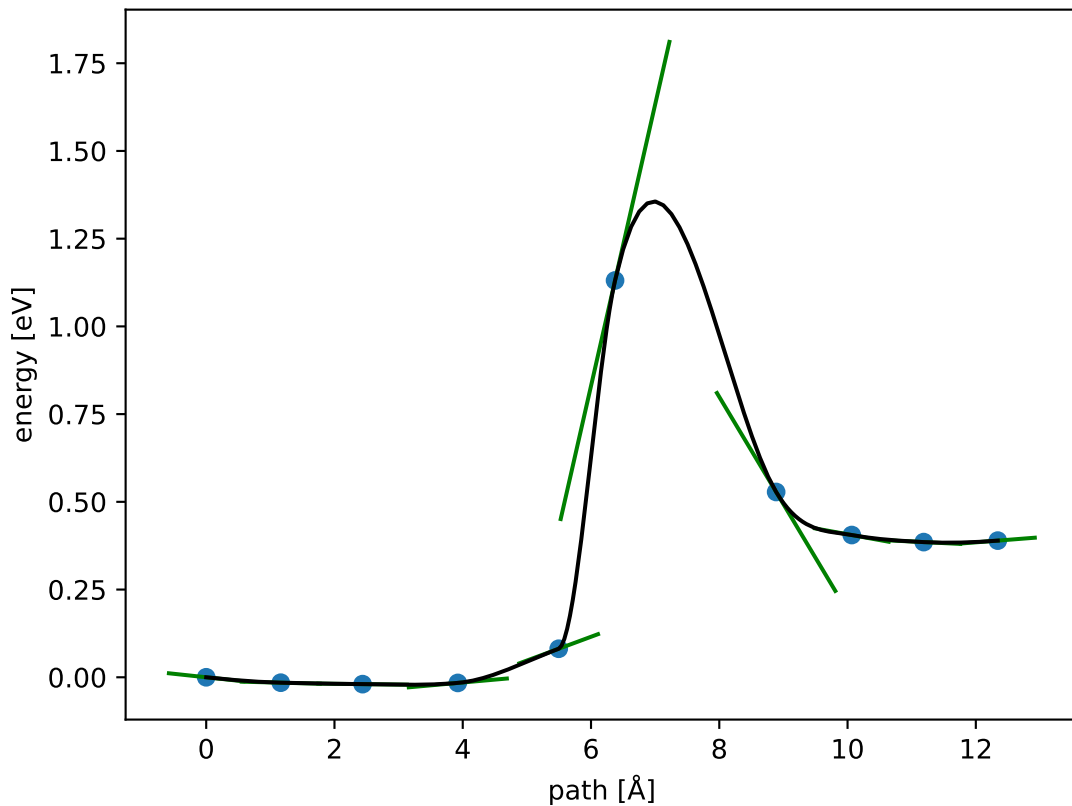
$$E_f \approx 1.260 \text{ eV}; E_r \approx 0.870 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



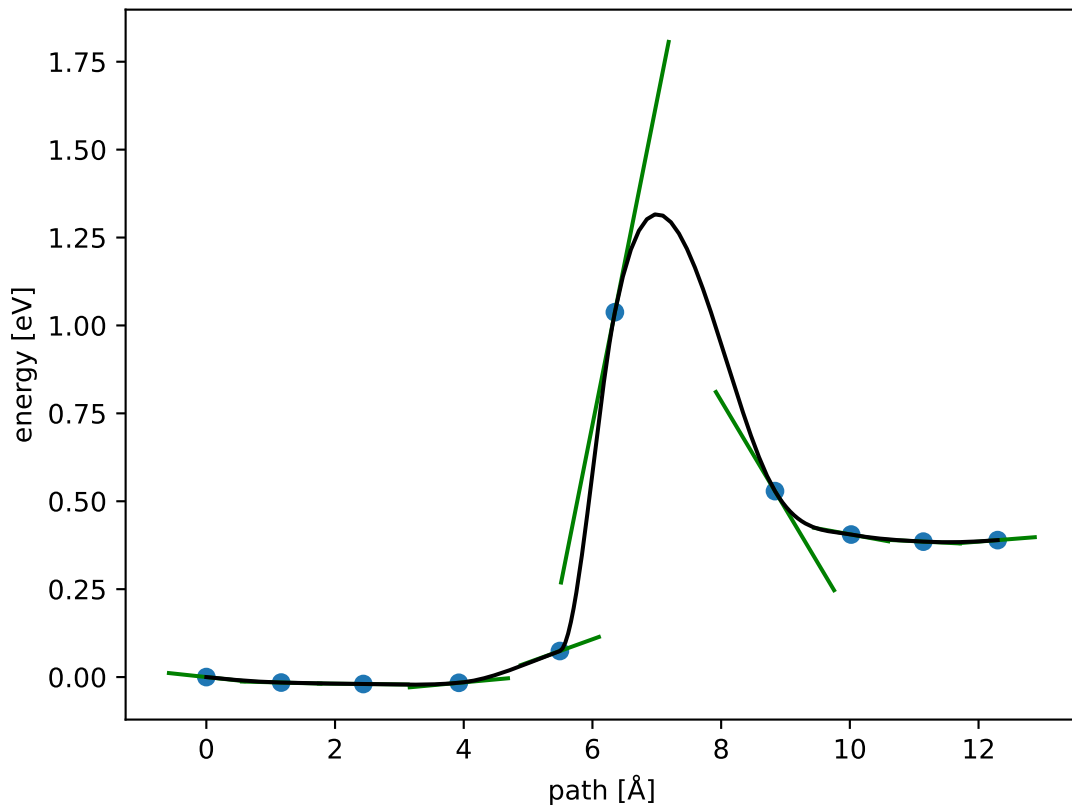
$$E_f \approx 1.204 \text{ eV}; E_r \approx 0.814 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.131 \text{ eV}; E_r \approx 0.741 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

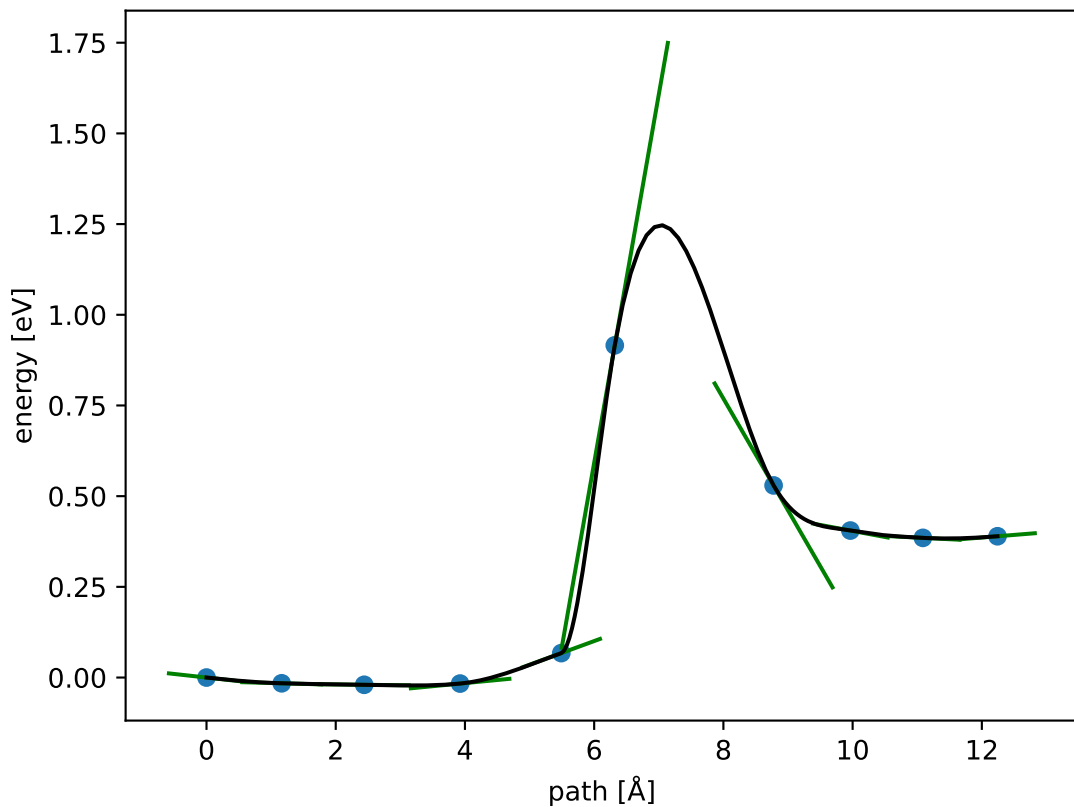


$$E_f \approx 1.038 \text{ eV}; E_r \approx 0.648 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

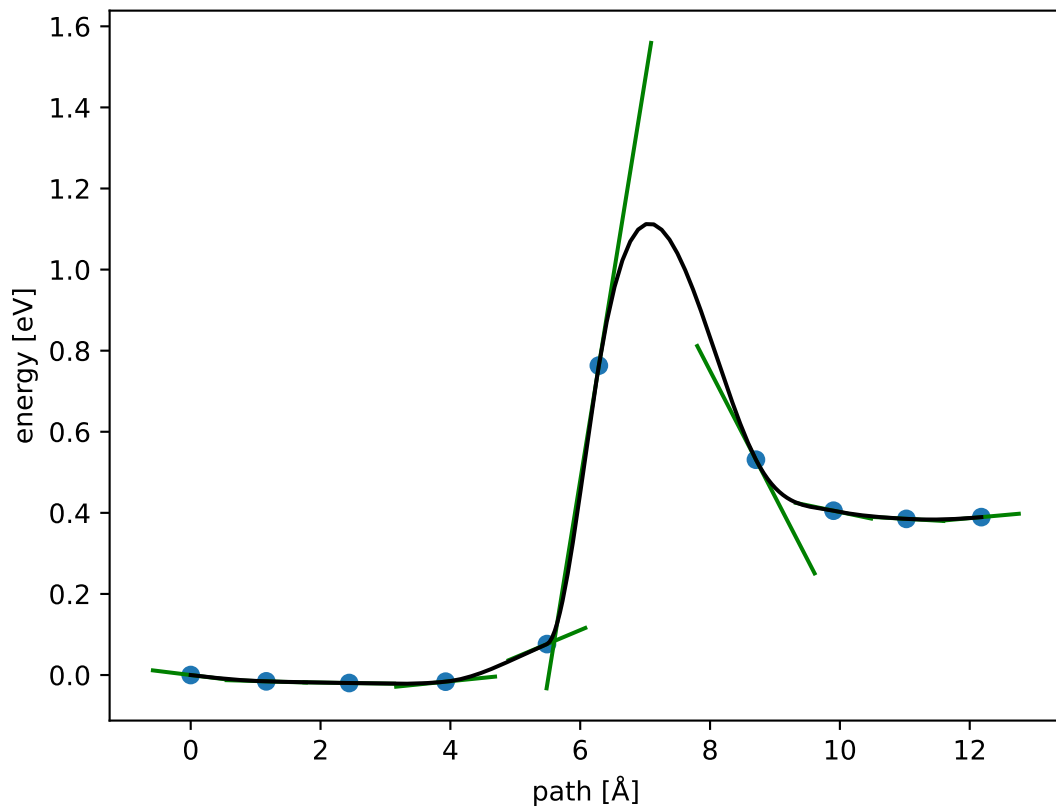




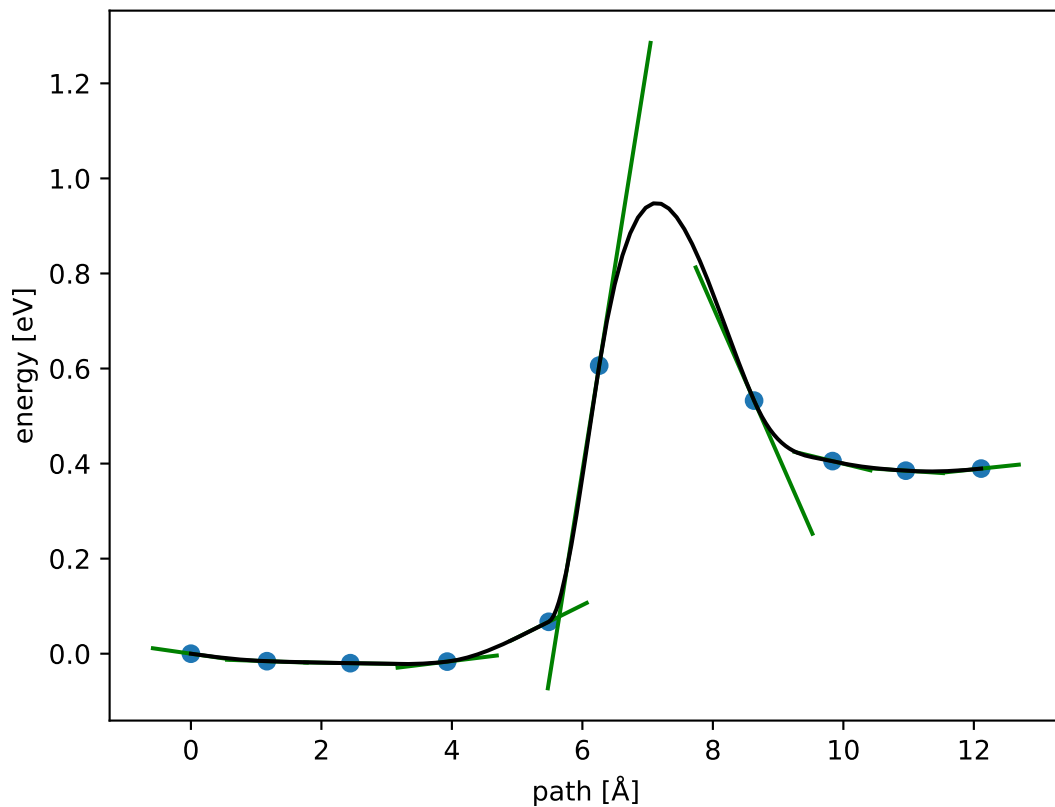
$$E_f \approx 0.916 \text{ eV}; E_r \approx 0.526 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



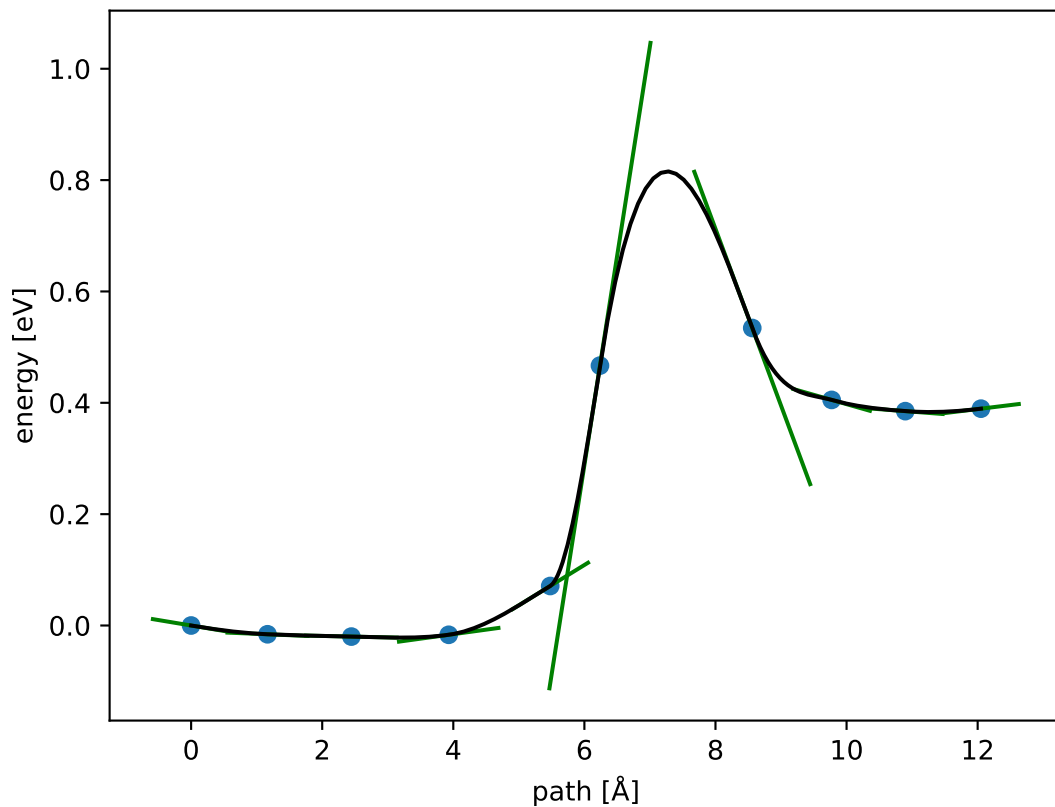
$$E_f \approx 0.763 \text{ eV}; E_r \approx 0.374 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



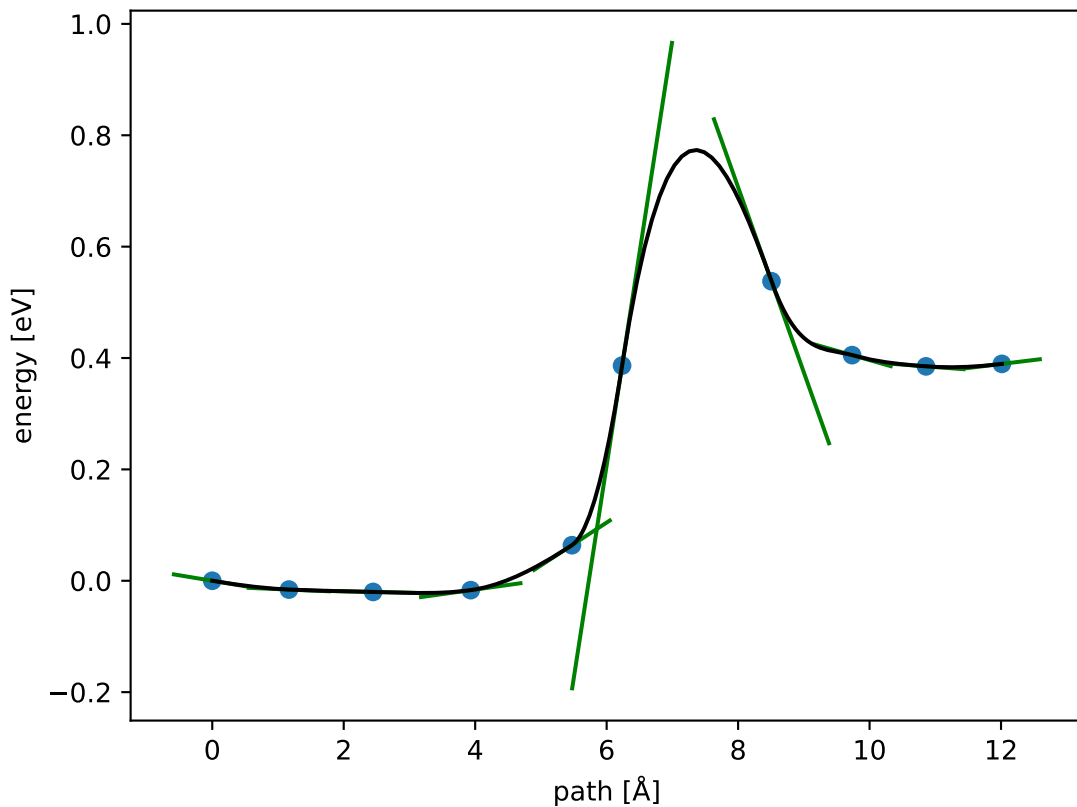
$$E_f \approx 0.606 \text{ eV}; E_r \approx 0.217 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



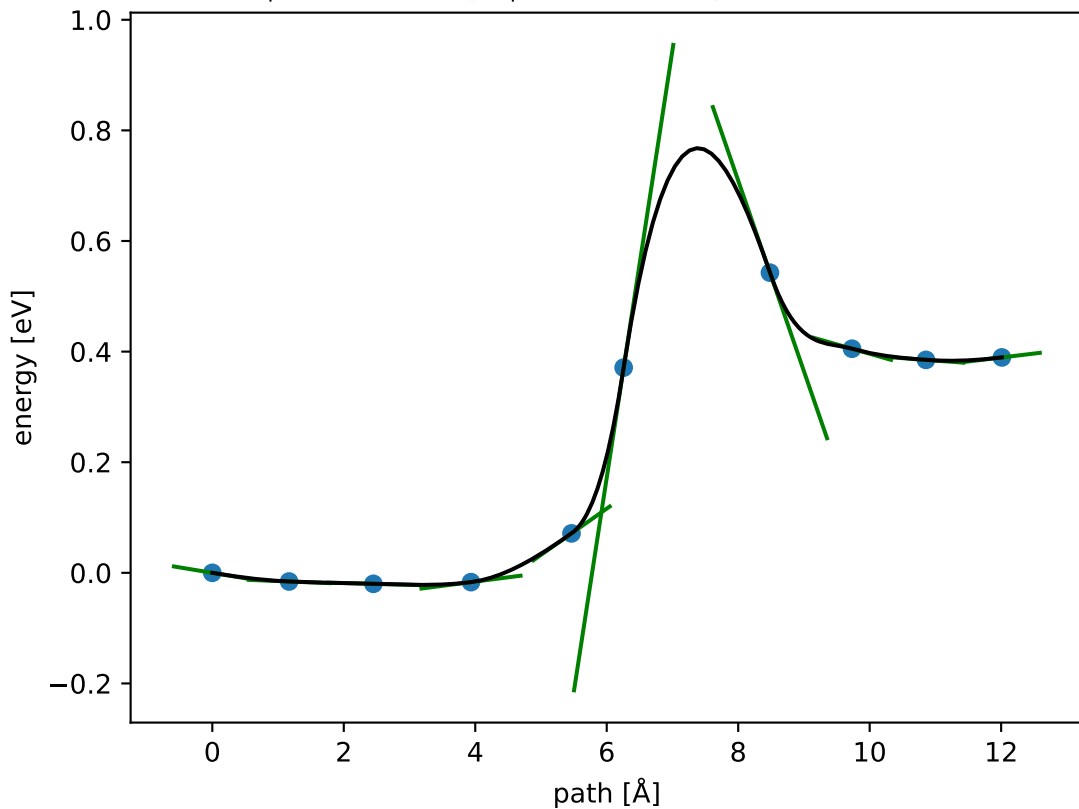
$$E_f \approx 0.534 \text{ eV}; E_r \approx 0.145 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



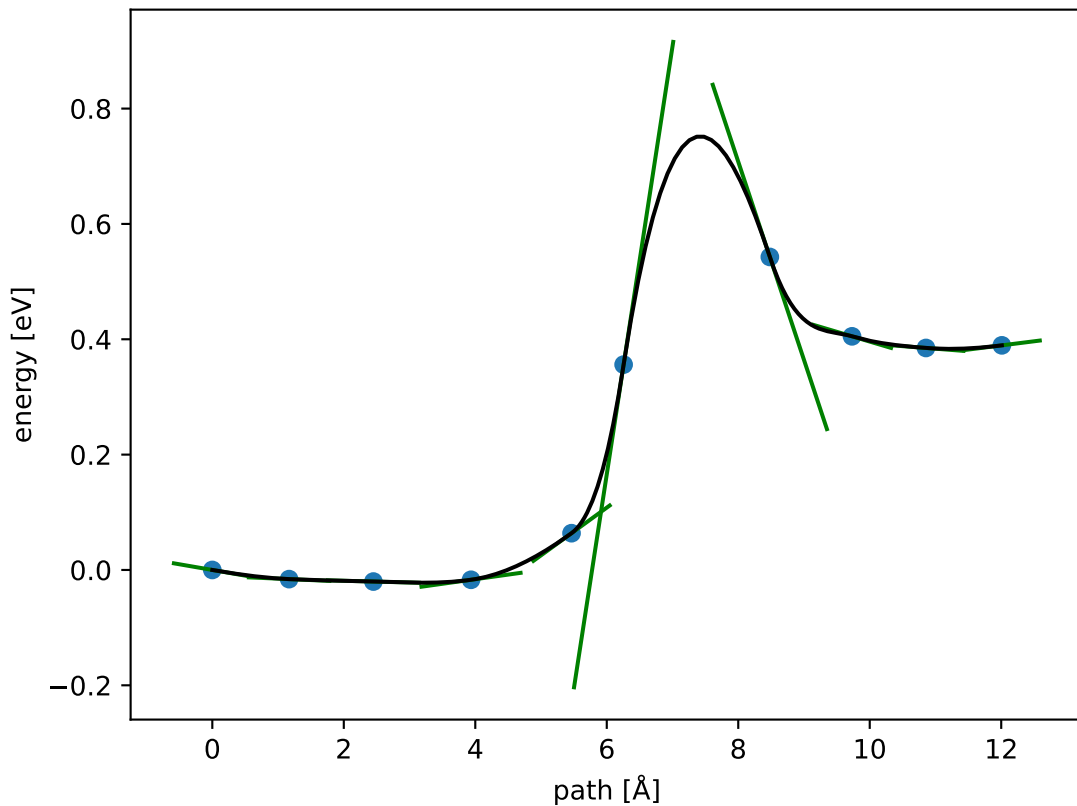
$$E_f \approx 0.538 \text{ eV}; E_r \approx 0.148 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



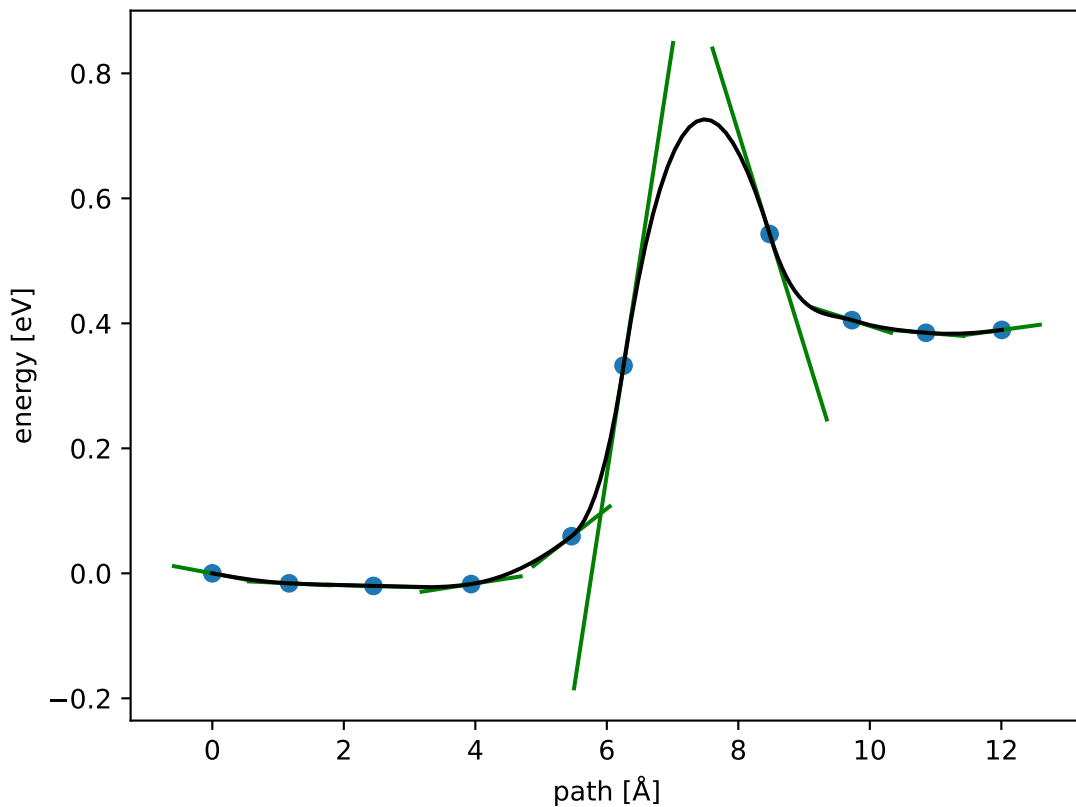
$$E_f \approx 0.543 \text{ eV}; E_r \approx 0.153 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.543 \text{ eV}; E_r \approx 0.153 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

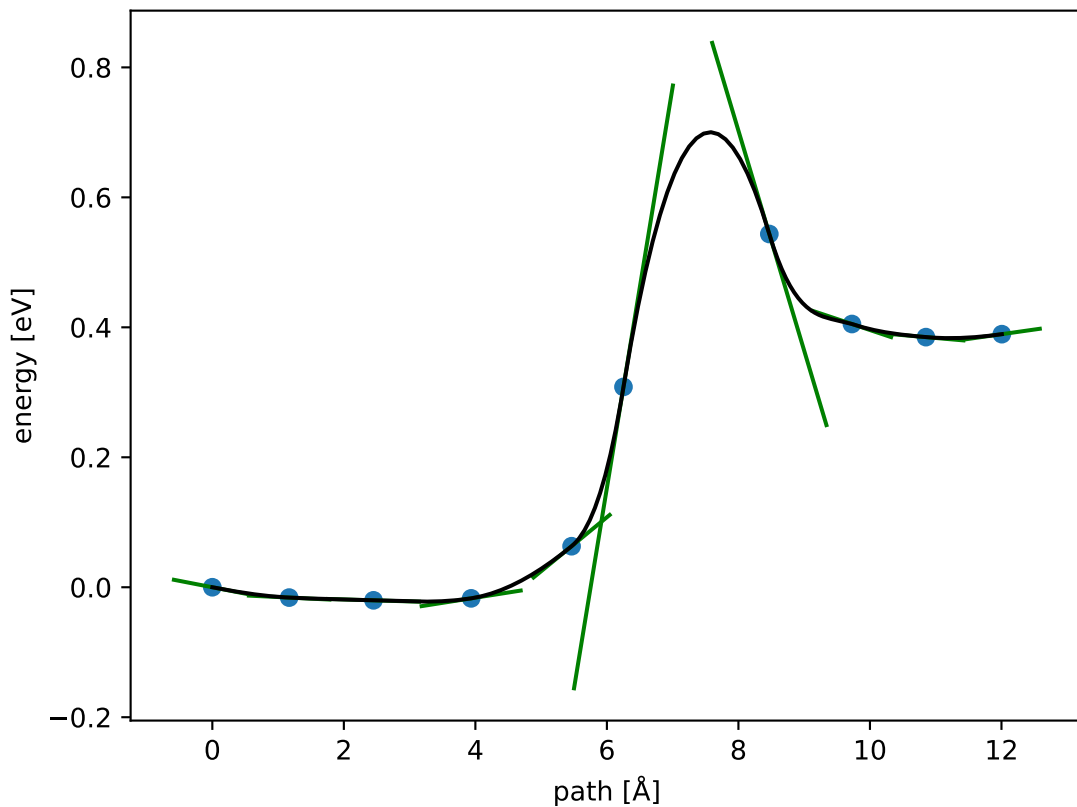


$$E_f \approx 0.543 \text{ eV}; E_r \approx 0.154 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

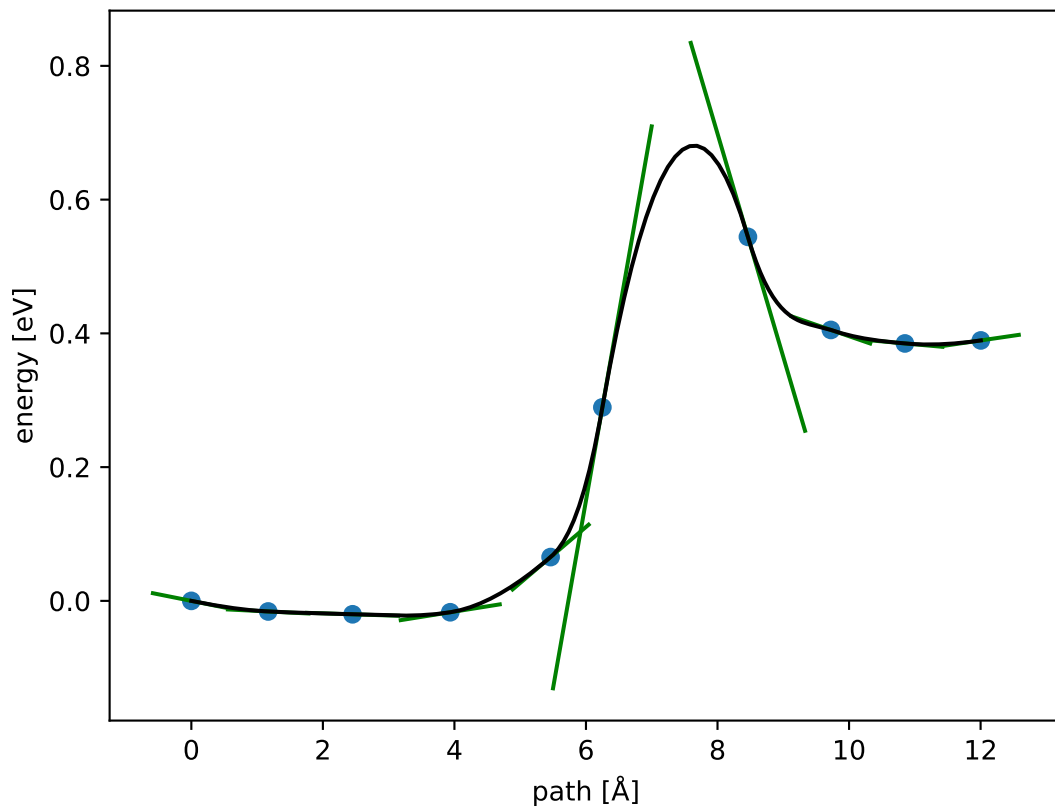




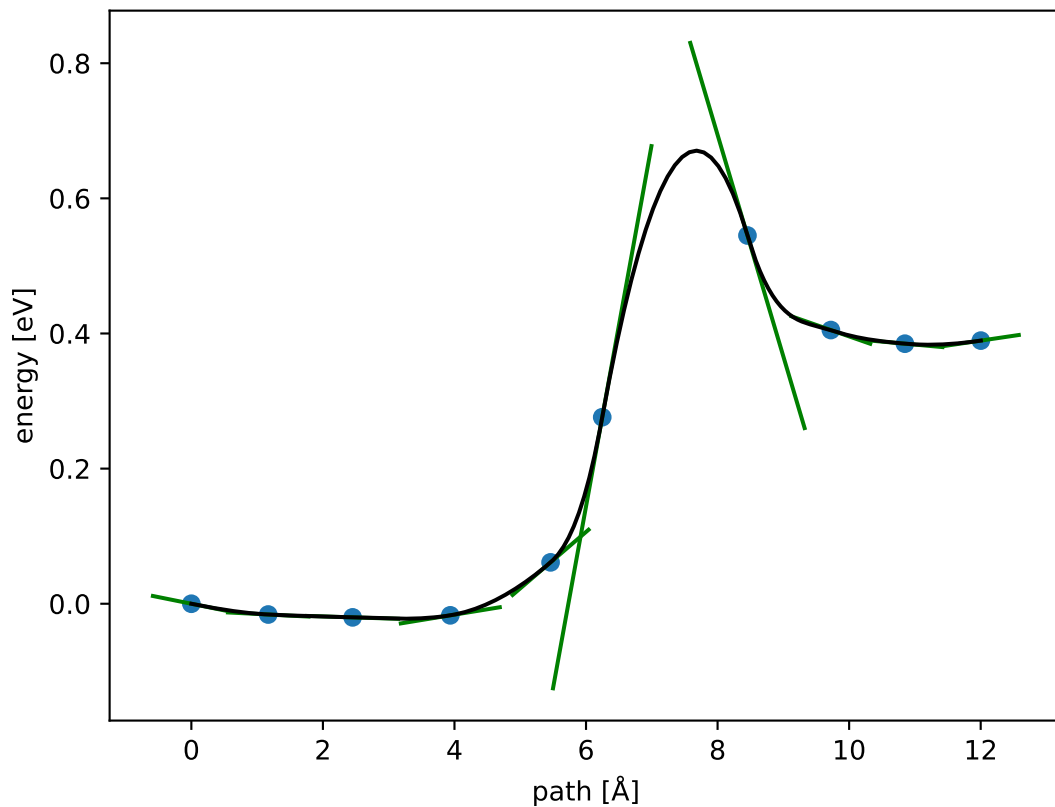
$$E_f \approx 0.544 \text{ eV}; E_r \approx 0.154 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



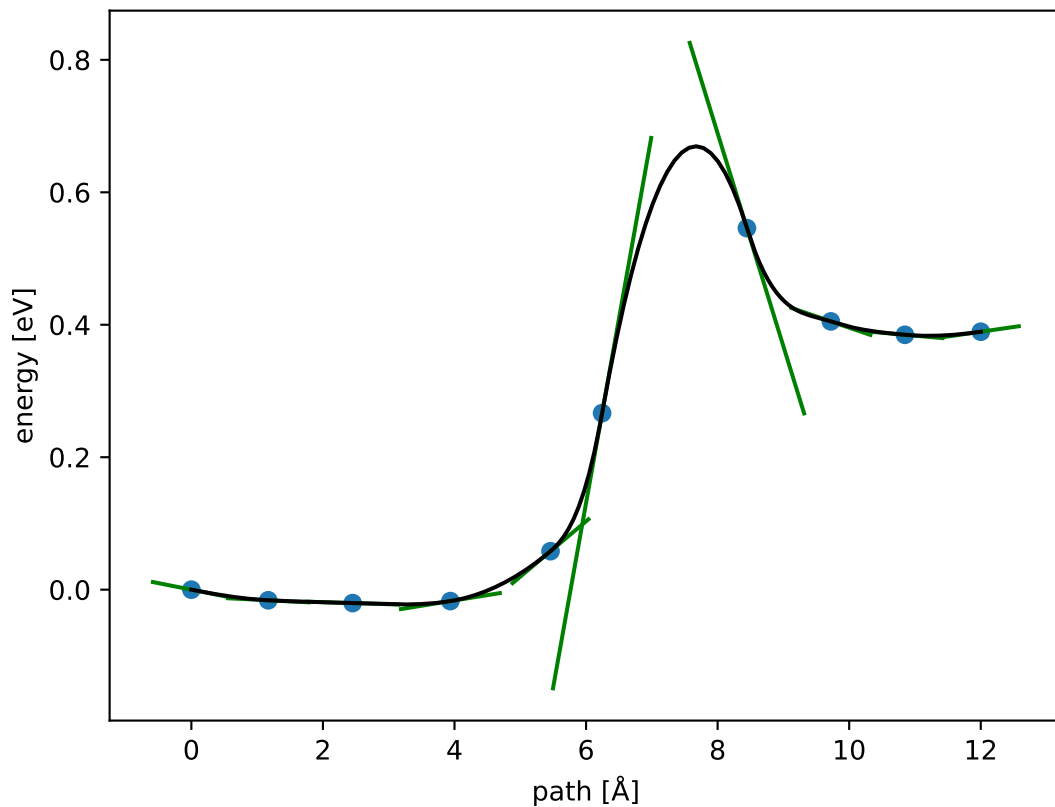
$$E_f \approx 0.544 \text{ eV}; E_r \approx 0.155 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



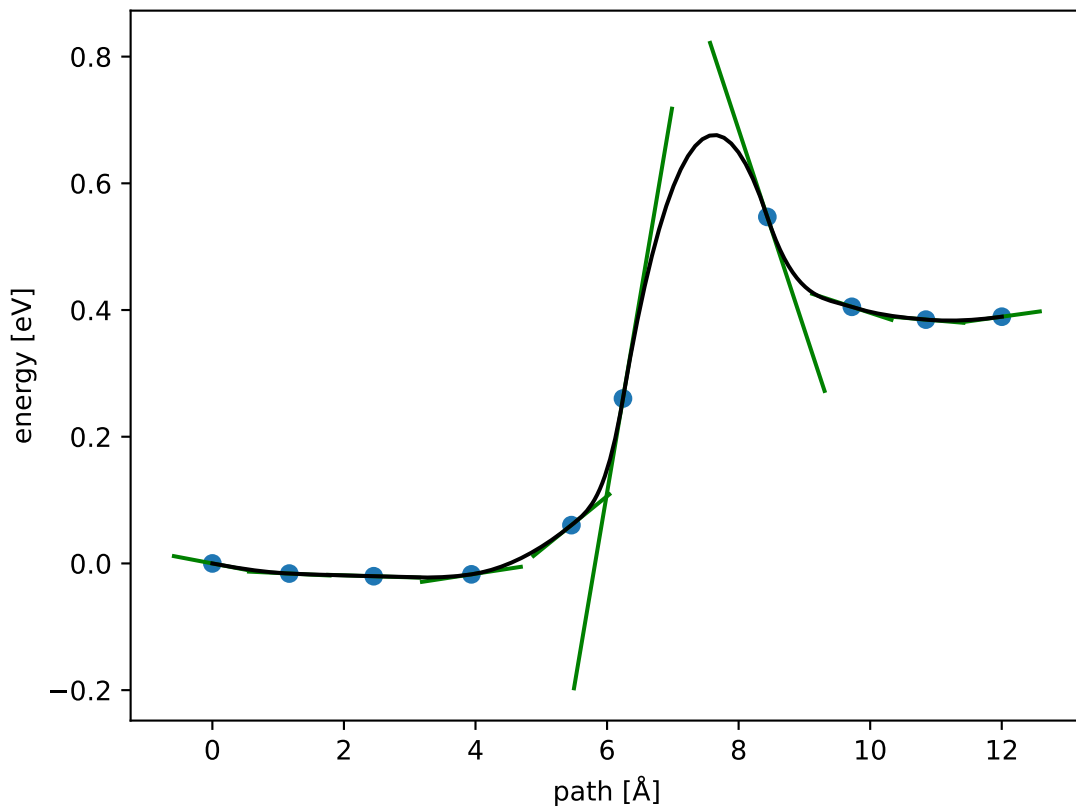
$$E_f \approx 0.545 \text{ eV}; E_r \approx 0.156 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



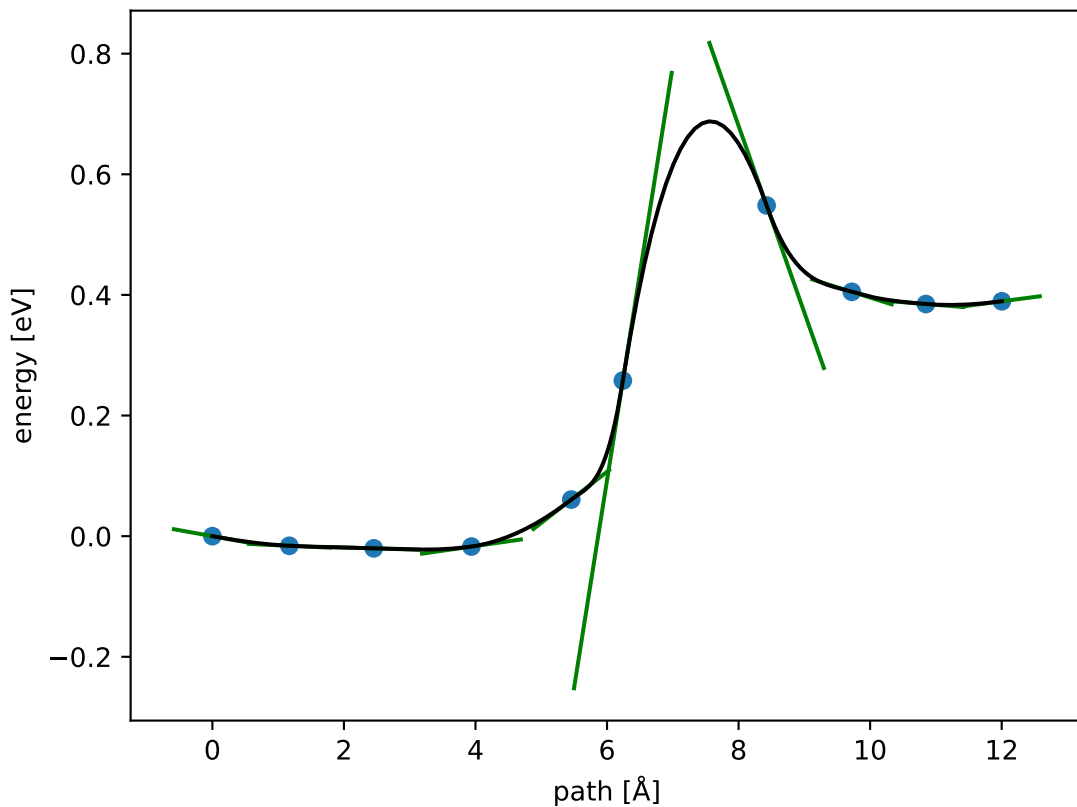
$$E_f \approx 0.546 \text{ eV}; E_r \approx 0.156 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



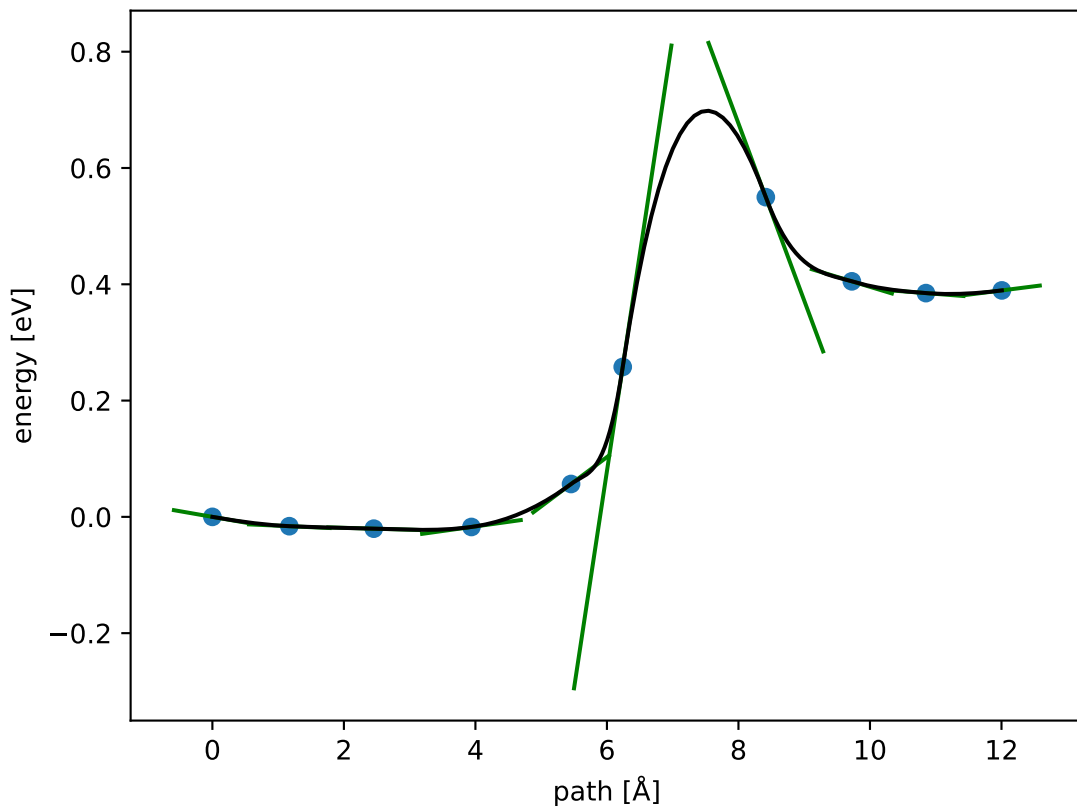
$$E_f \approx 0.547 \text{ eV}; E_r \approx 0.158 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



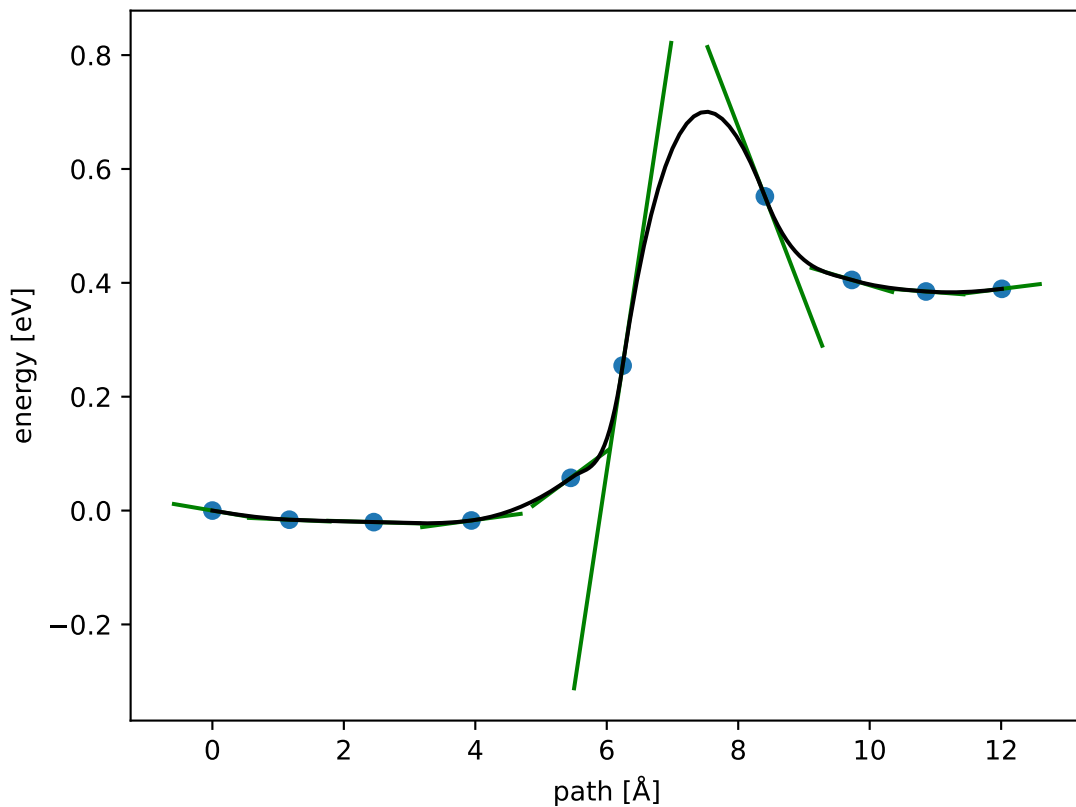
$$E_f \approx 0.548 \text{ eV}; E_r \approx 0.159 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.550 \text{ eV}; E_r \approx 0.160 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

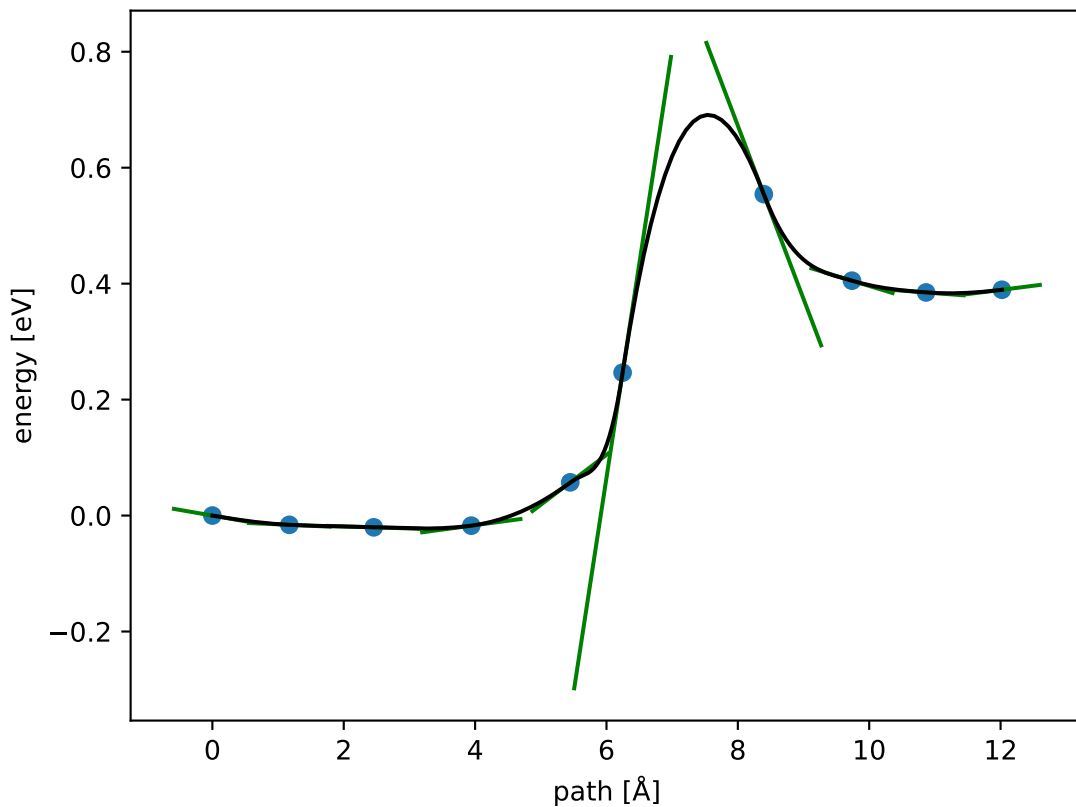


$$E_f \approx 0.552 \text{ eV}; E_r \approx 0.162 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

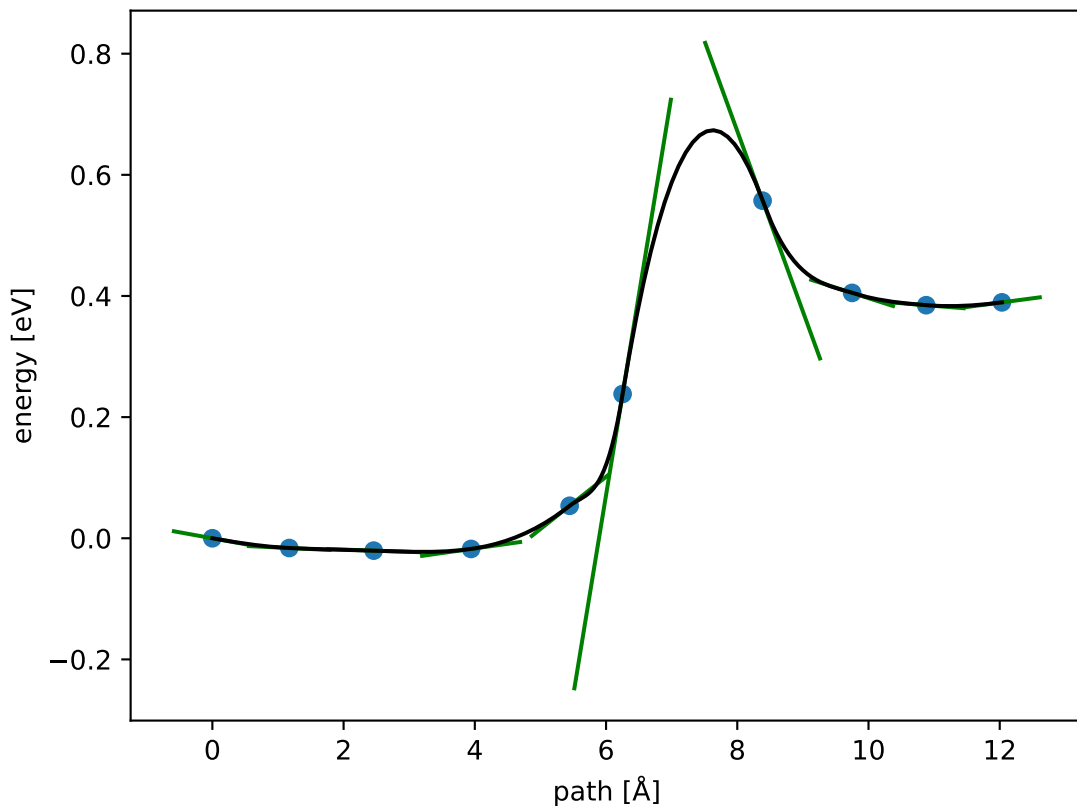




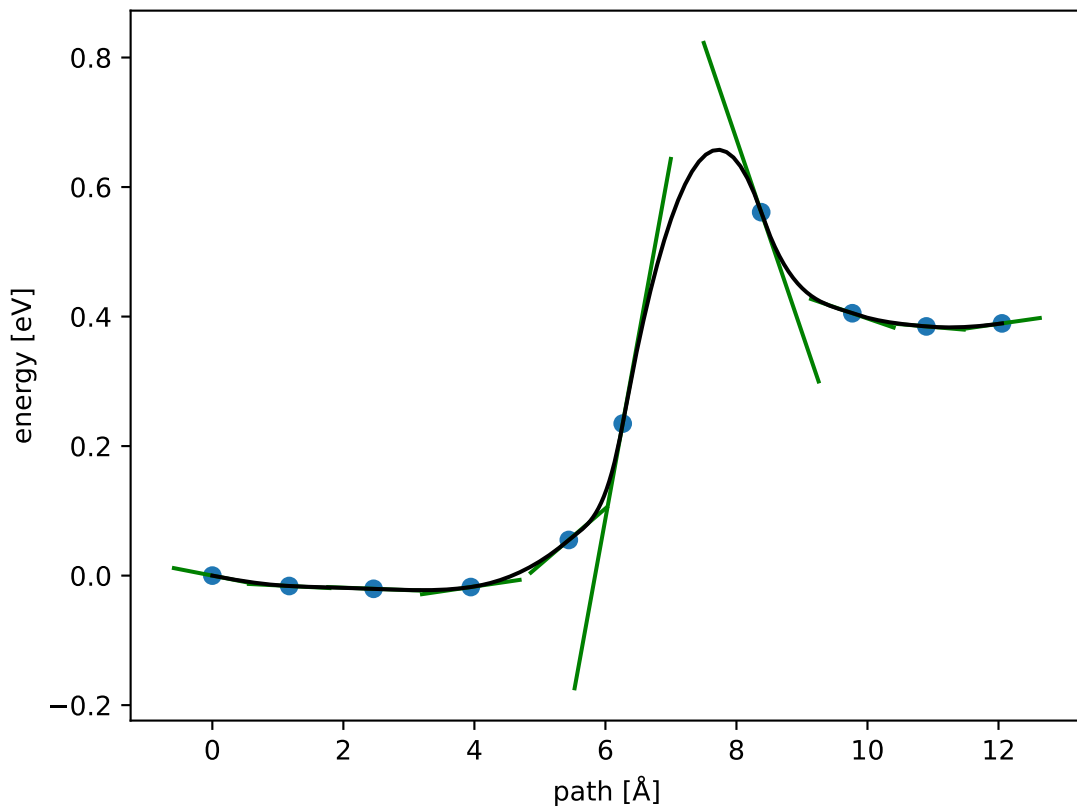
$$E_f \approx 0.554 \text{ eV}; E_r \approx 0.165 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



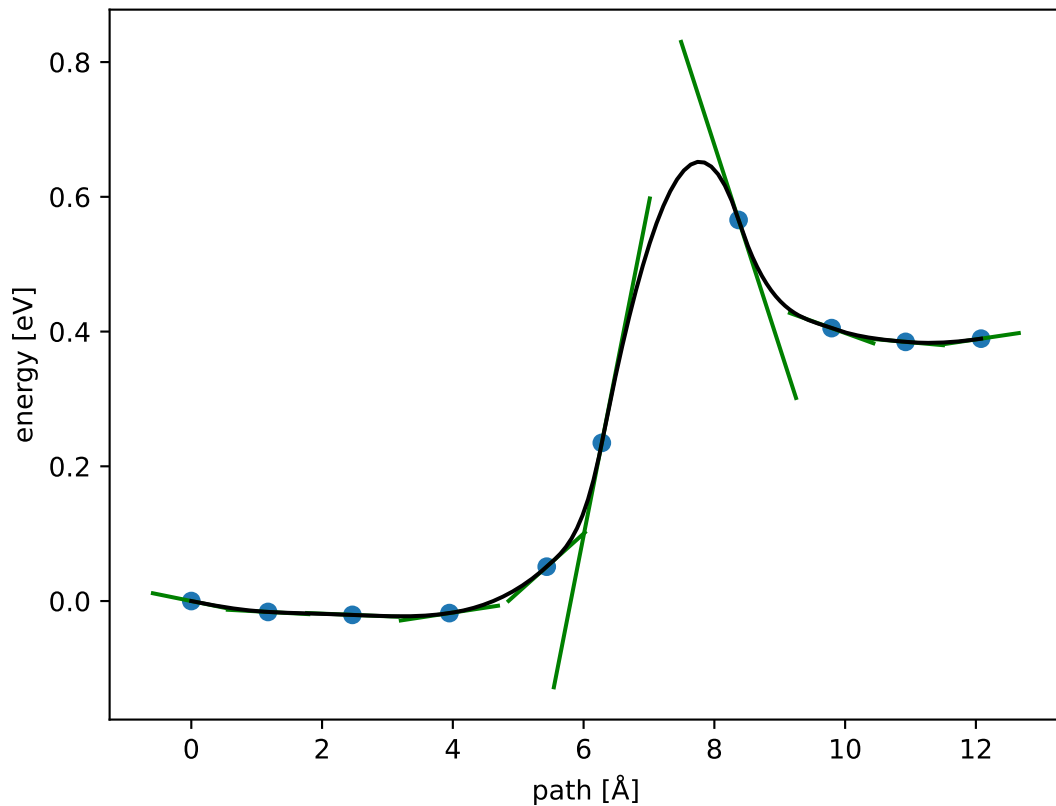
$$E_f \approx 0.557 \text{ eV}; E_r \approx 0.168 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



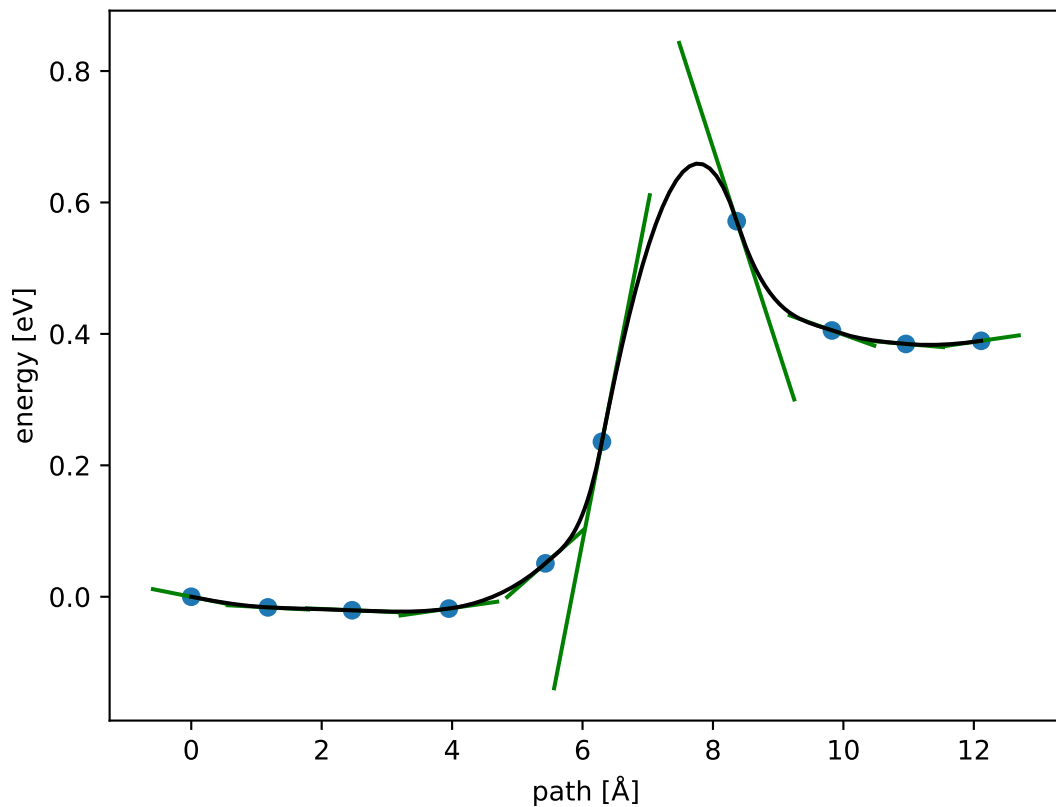
$$E_f \approx 0.561 \text{ eV}; E_r \approx 0.172 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



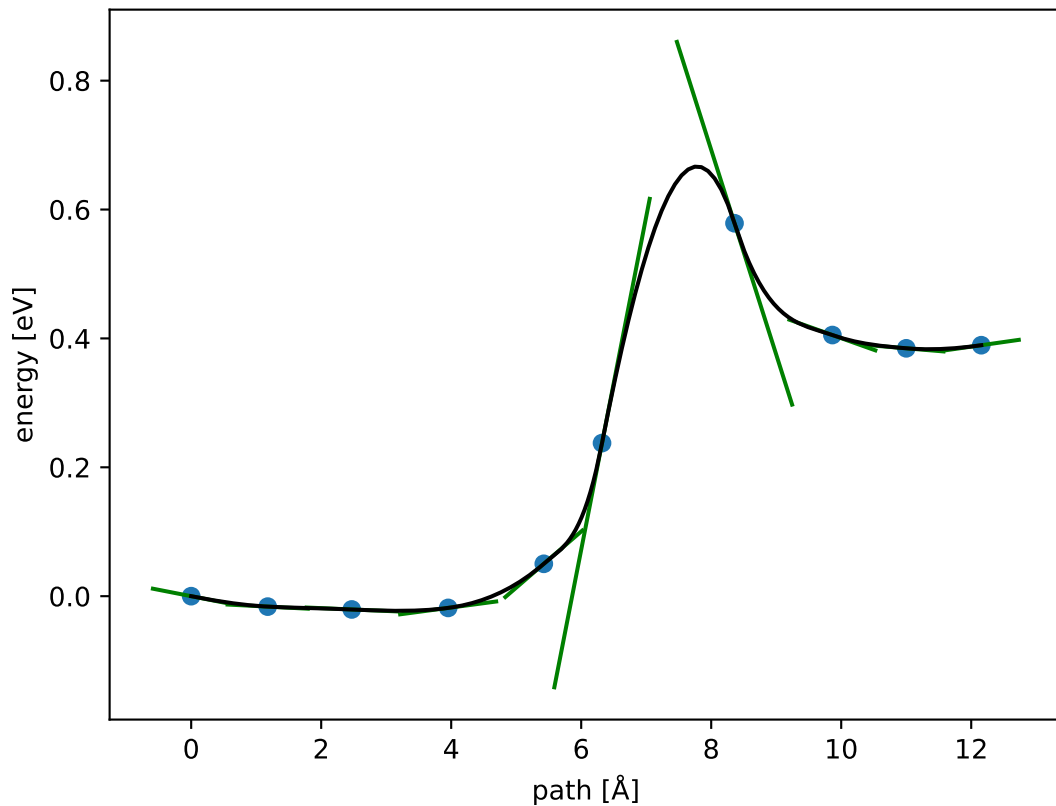
$$E_f \approx 0.566 \text{ eV}; E_r \approx 0.176 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



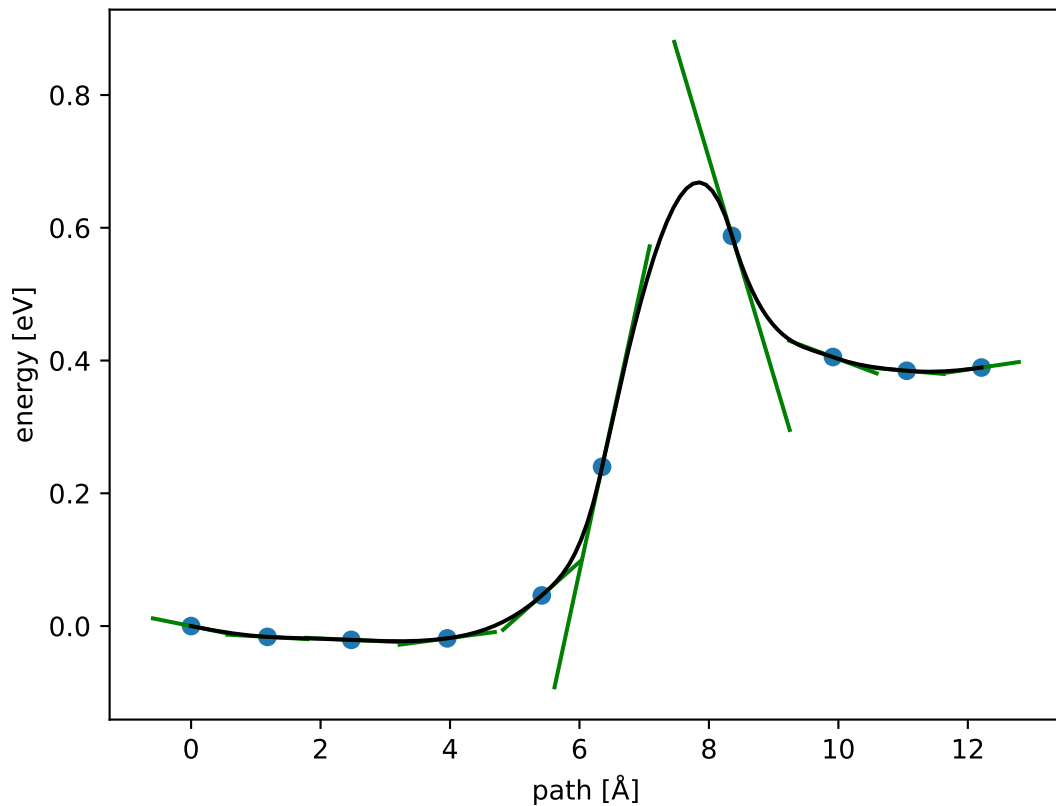
$$E_f \approx 0.572 \text{ eV}; E_r \approx 0.182 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



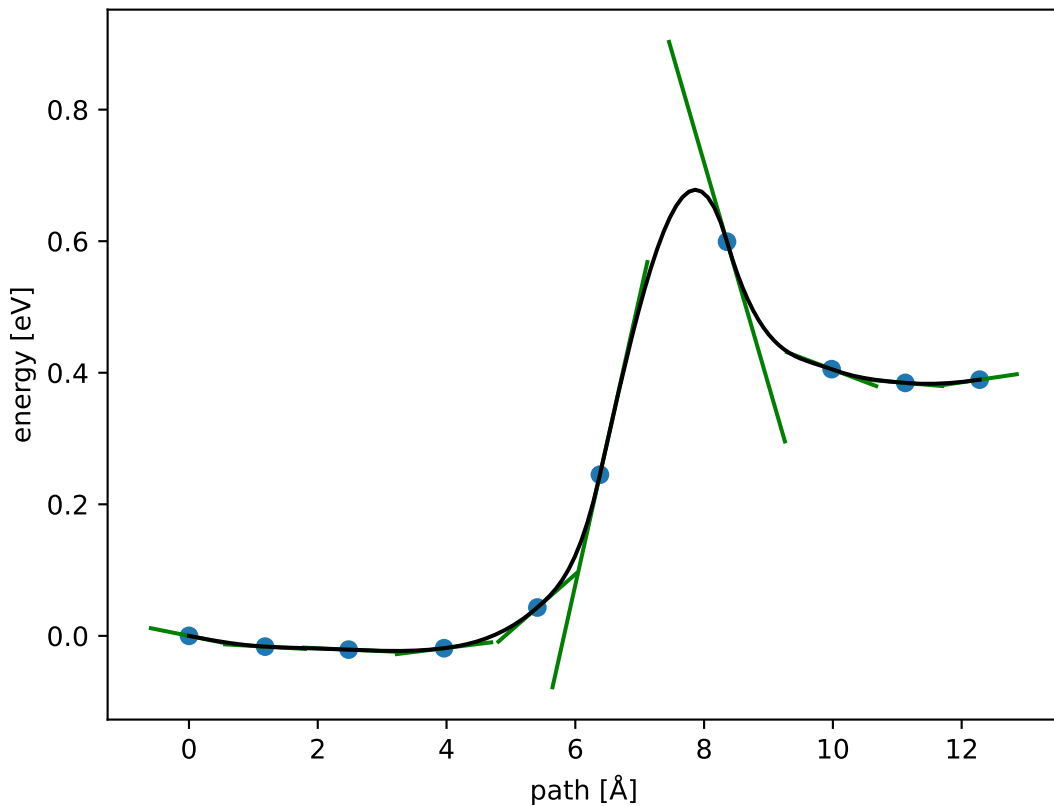
$$E_f \approx 0.579 \text{ eV}; E_r \approx 0.189 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.588 \text{ eV}; E_r \approx 0.198 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

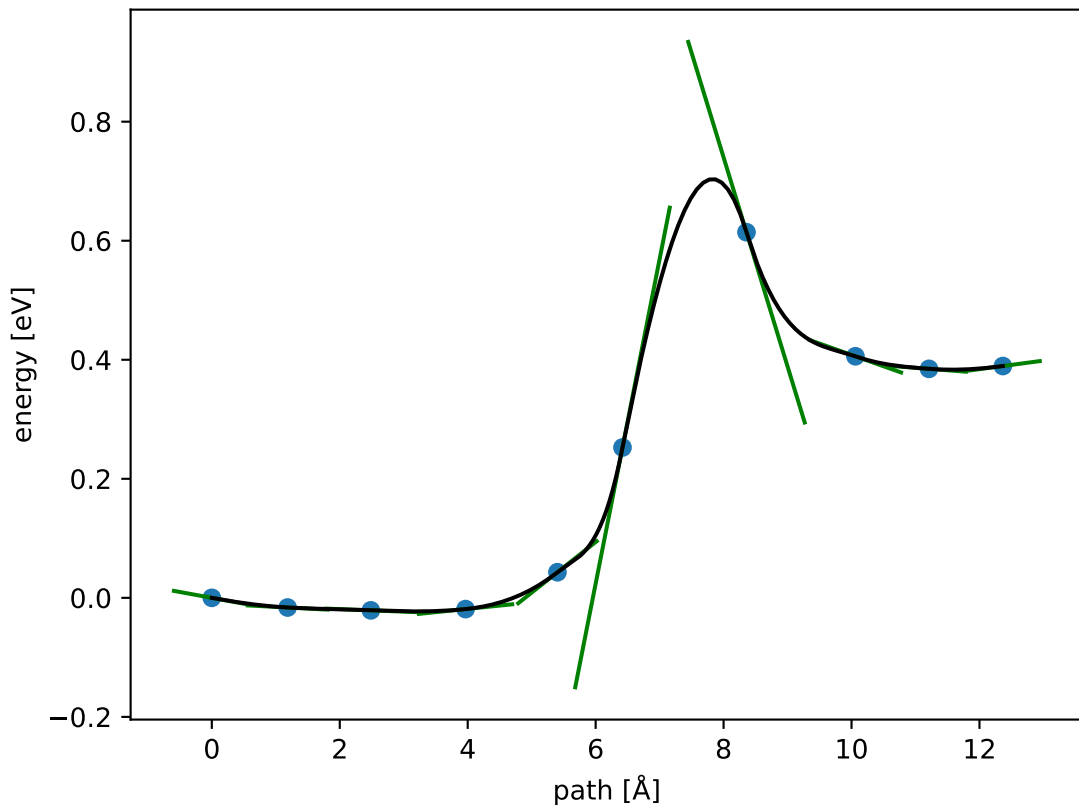


$$E_f \approx 0.599 \text{ eV}; E_r \approx 0.210 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

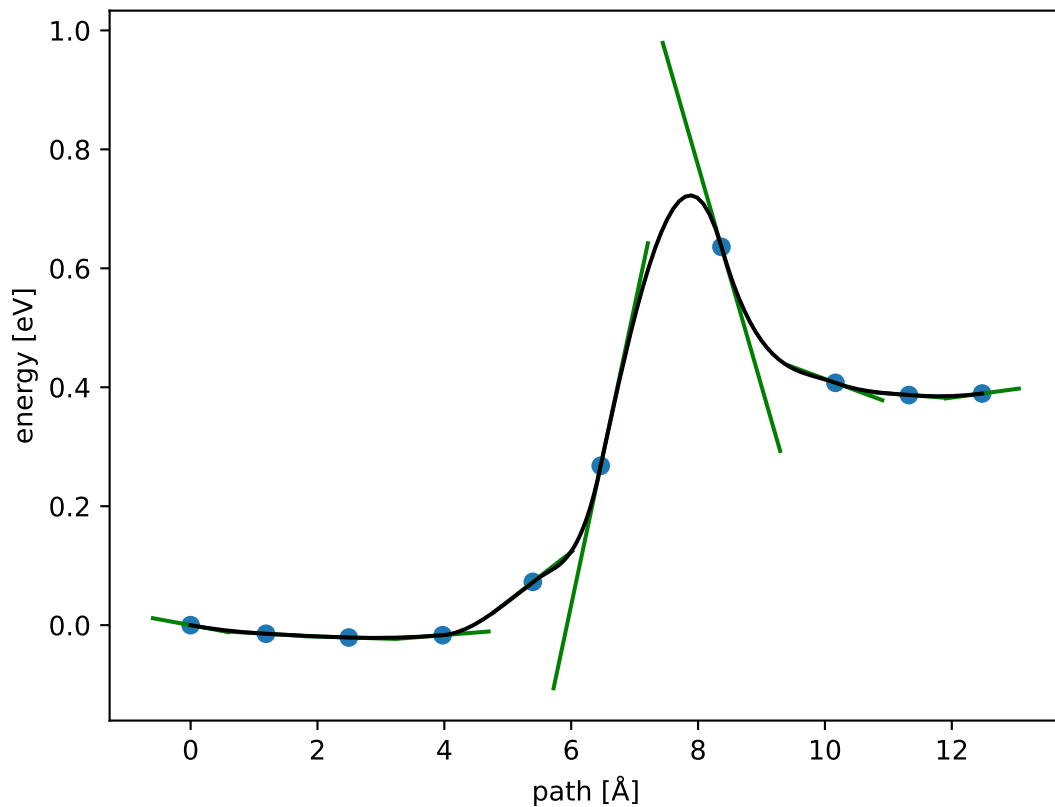




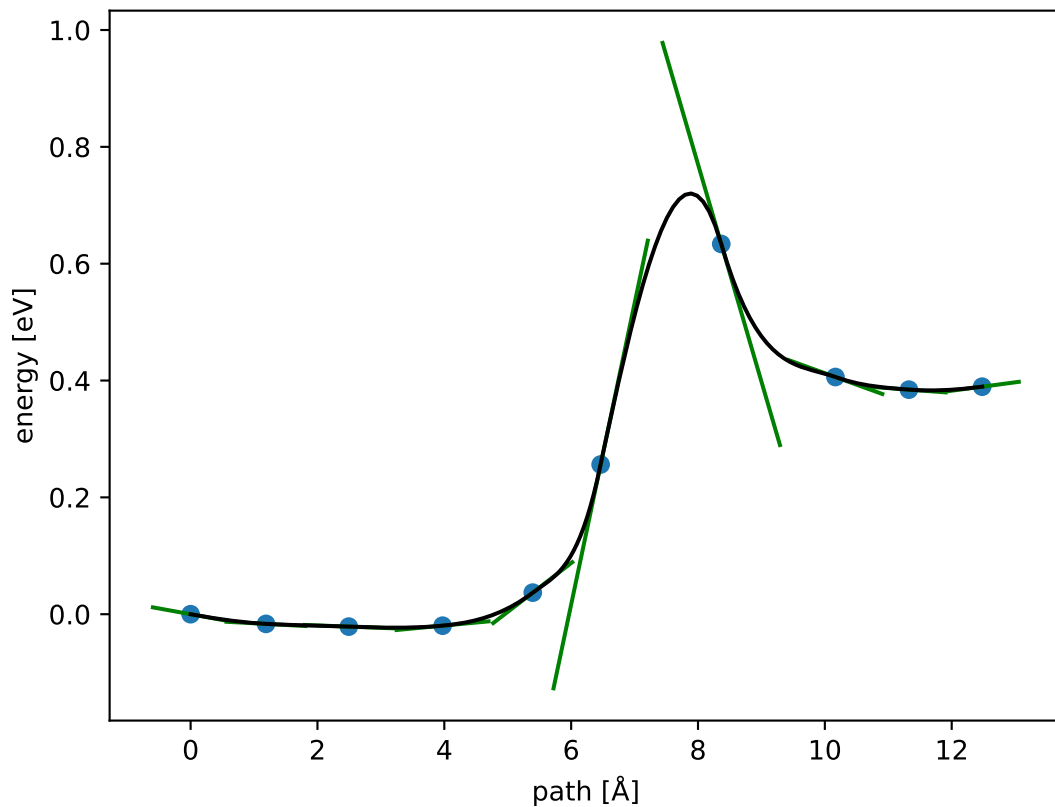
$$E_f \approx 0.614 \text{ eV}; E_r \approx 0.225 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



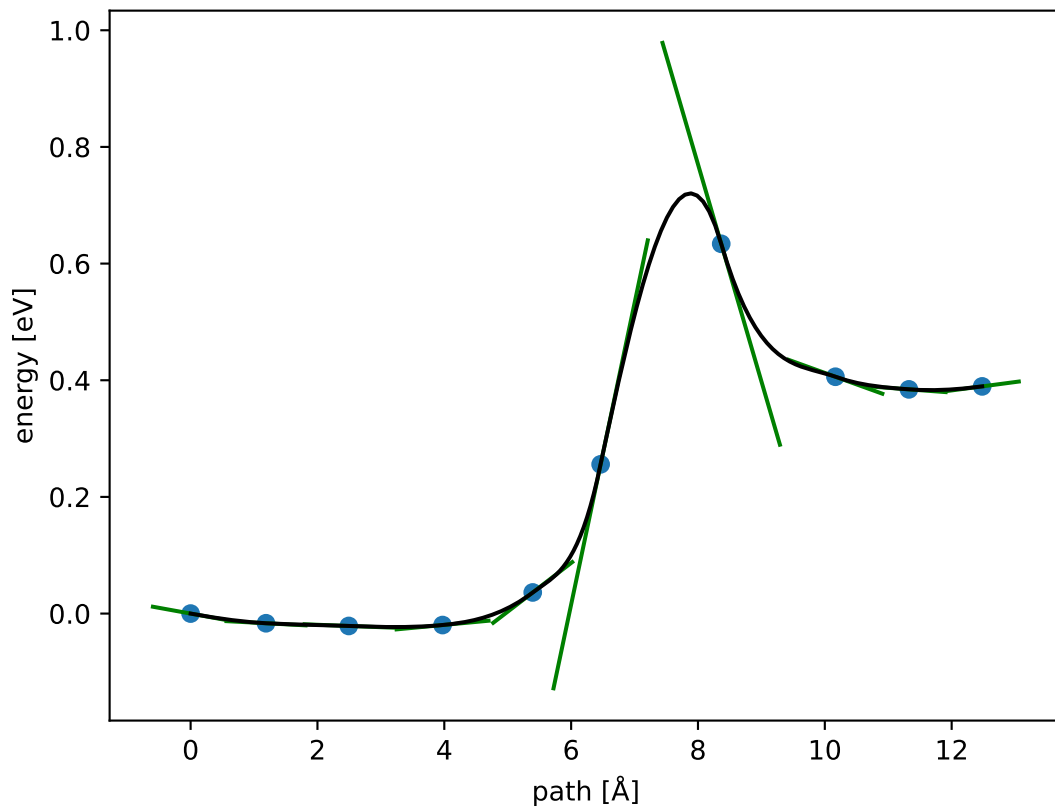
$$E_f \approx 0.636 \text{ eV}; E_r \approx 0.246 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



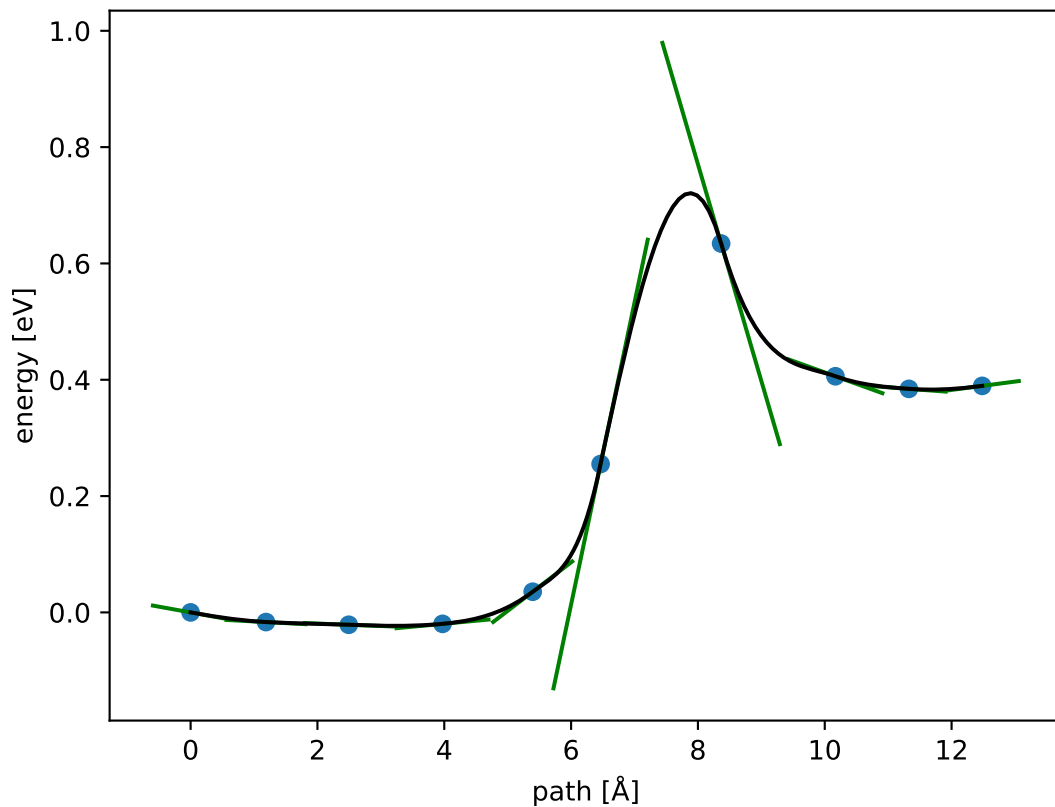
$$E_f \approx 0.634 \text{ eV}; E_r \approx 0.244 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



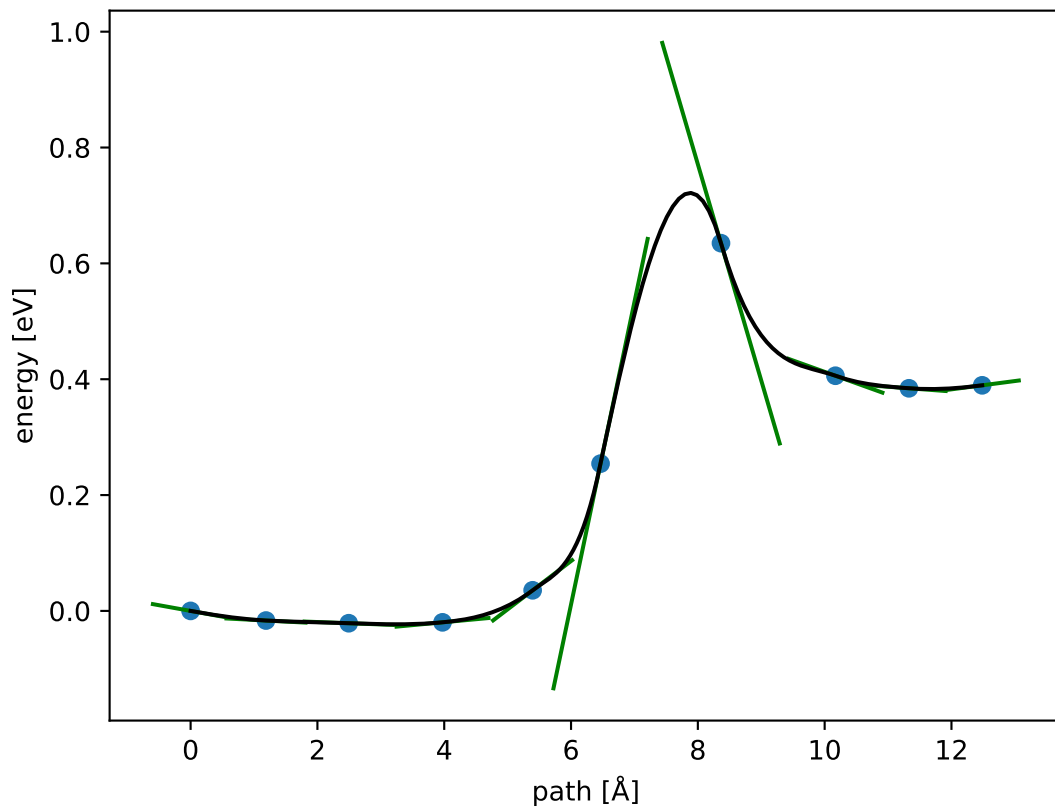
$$E_f \approx 0.634 \text{ eV}; E_r \approx 0.244 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



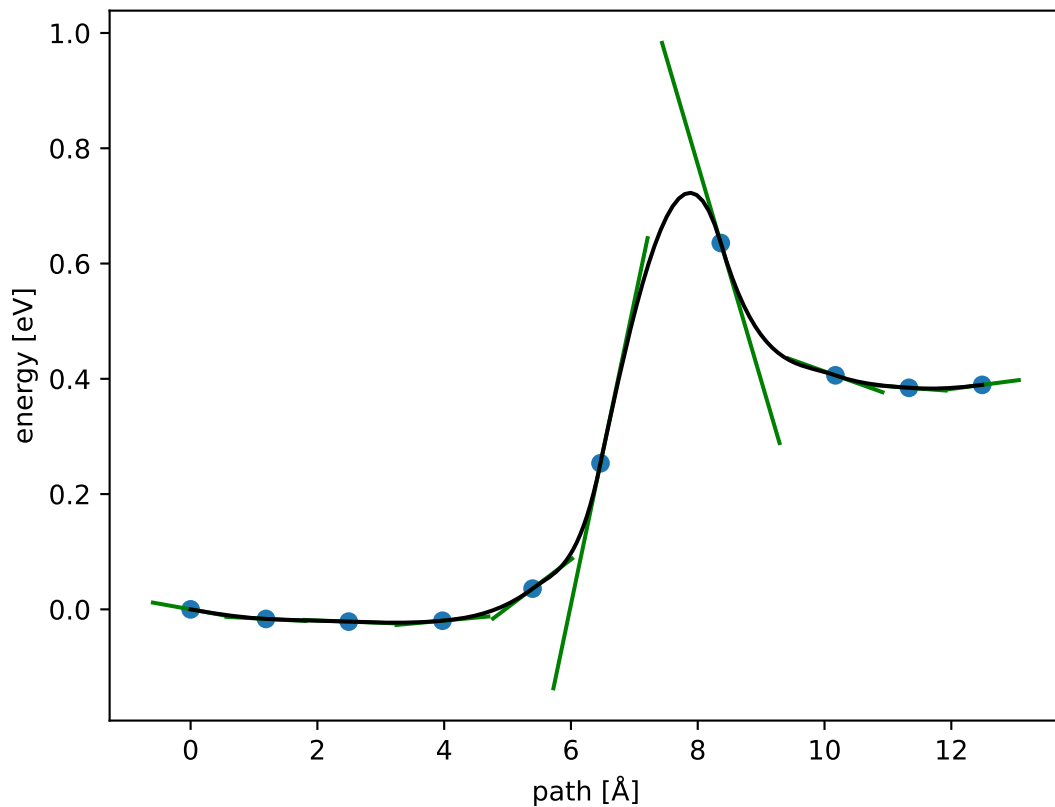
$$E_f \approx 0.634 \text{ eV}; E_r \approx 0.245 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



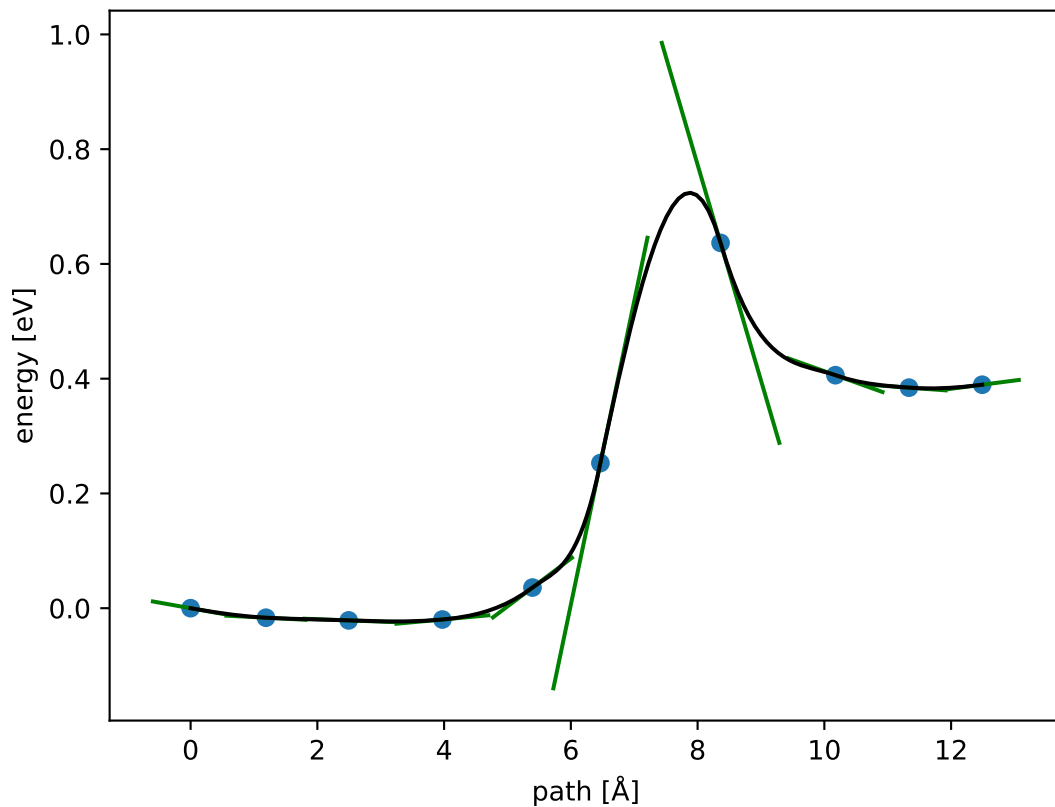
$$E_f \approx 0.635 \text{ eV}; E_r \approx 0.245 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.636 \text{ eV}; E_r \approx 0.246 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

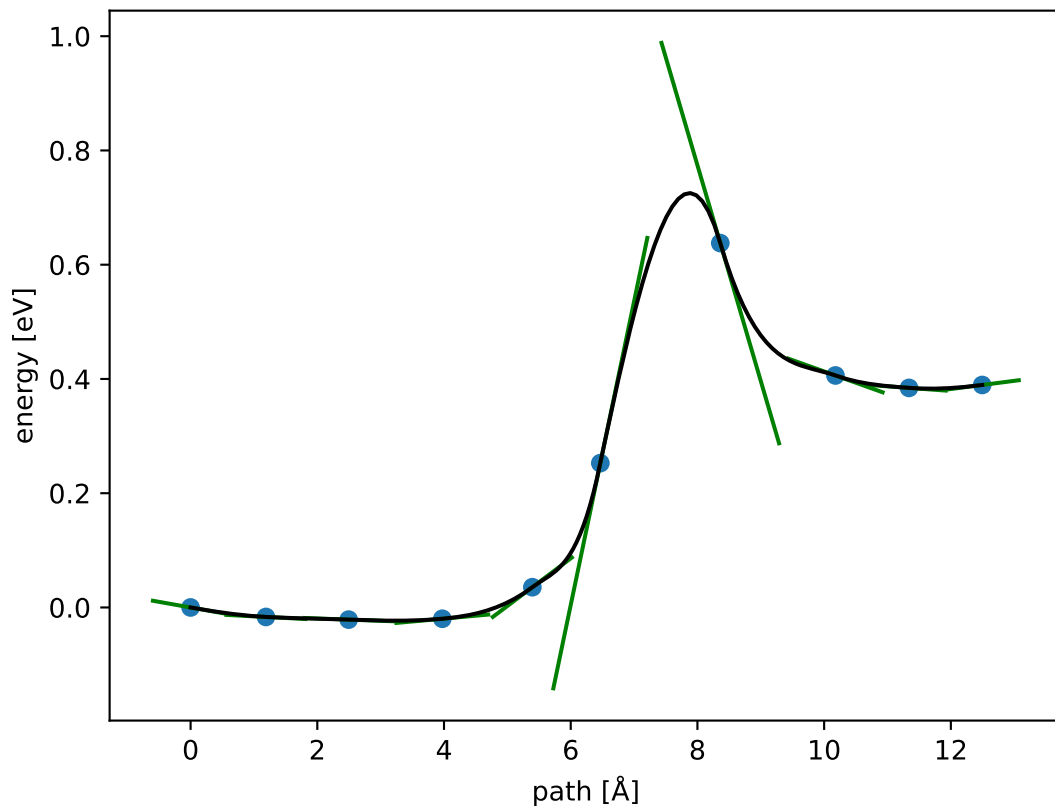


$$E_f \approx 0.637 \text{ eV}; E_r \approx 0.247 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

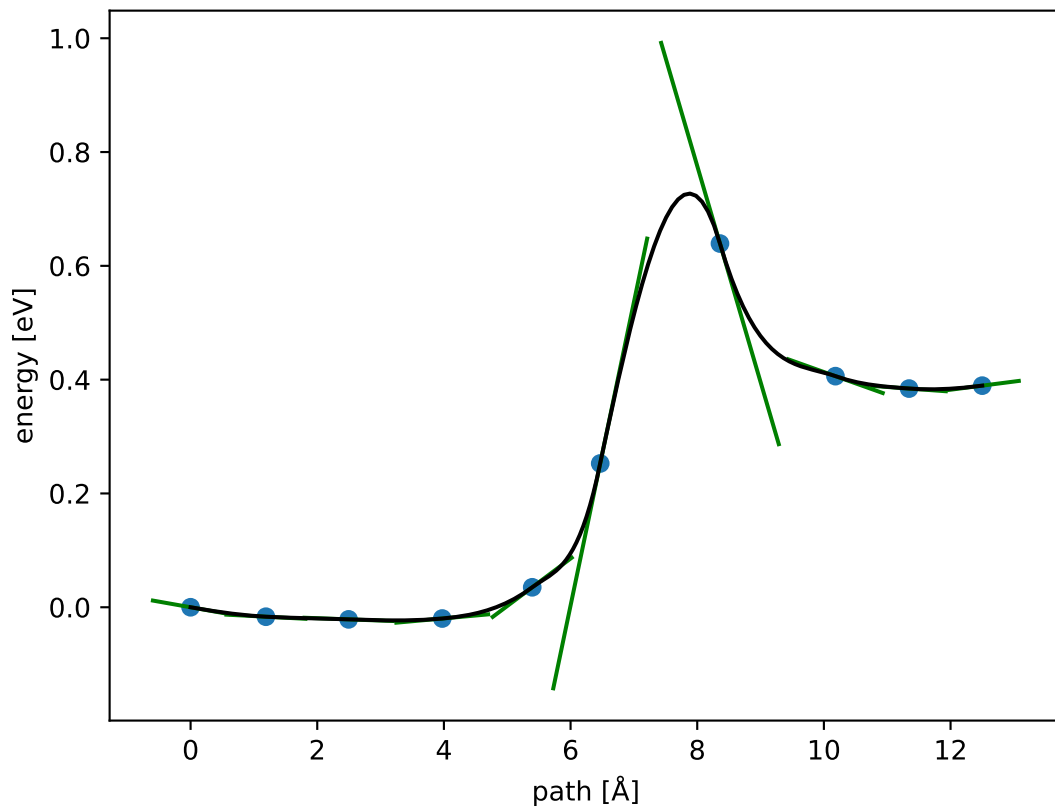




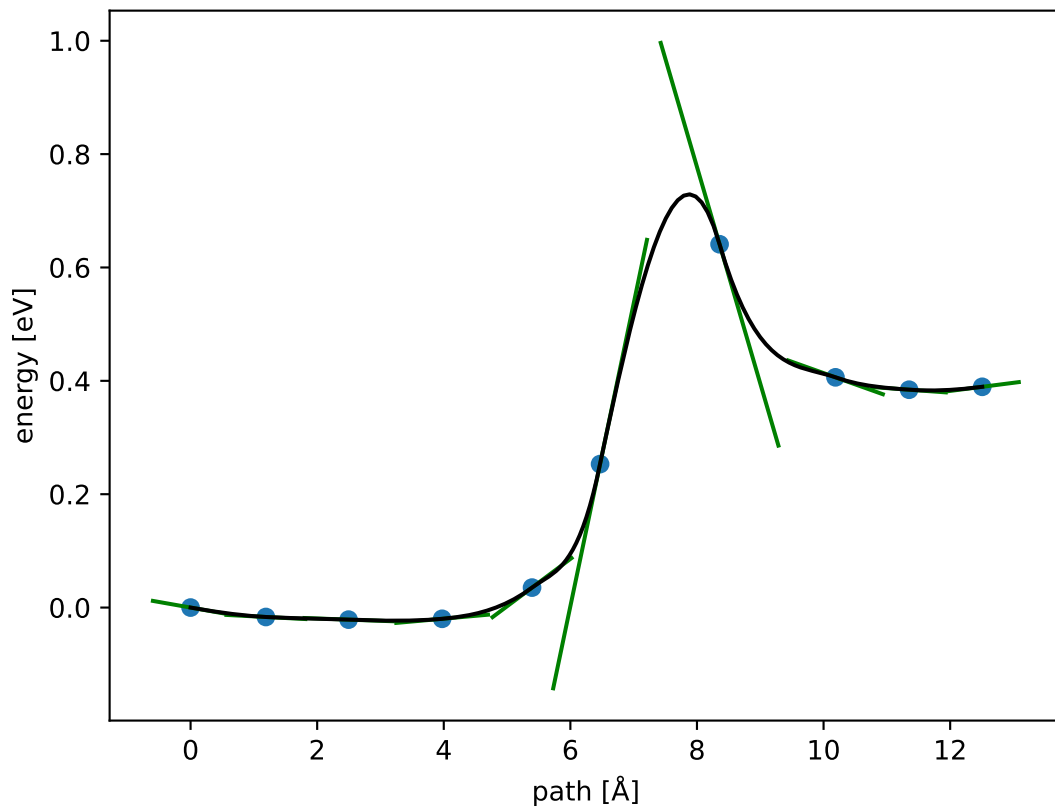
$$E_f \approx 0.638 \text{ eV}; E_r \approx 0.248 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



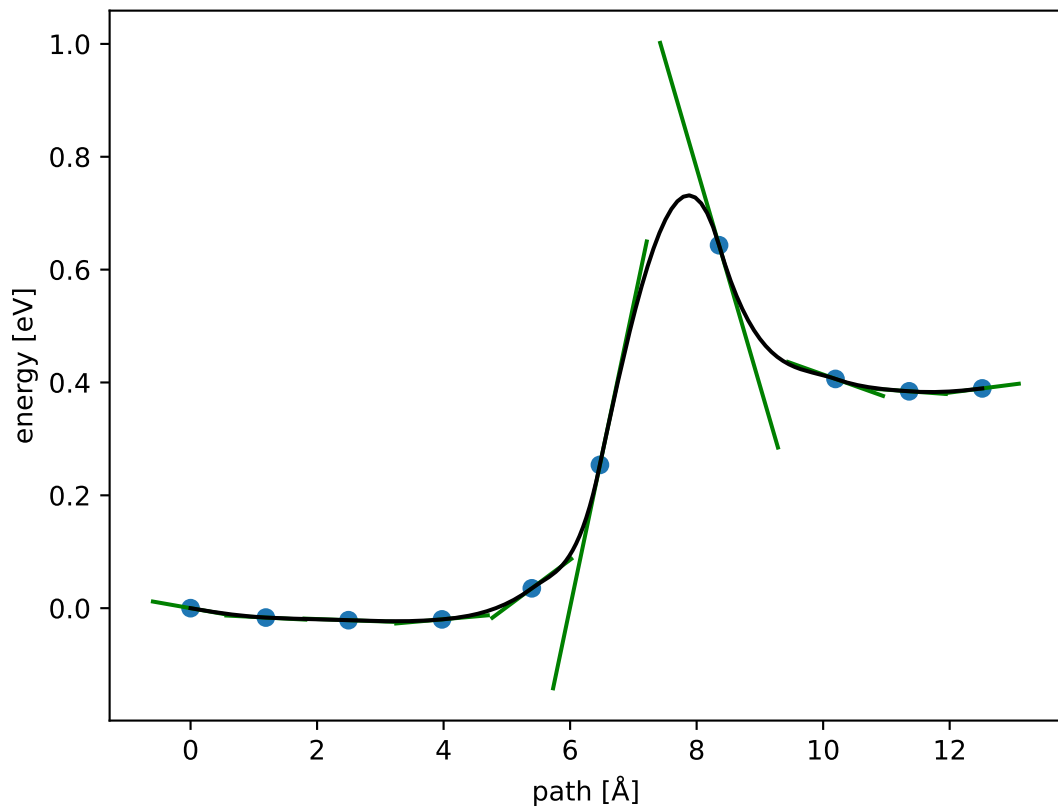
$$E_f \approx 0.639 \text{ eV}; E_r \approx 0.250 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



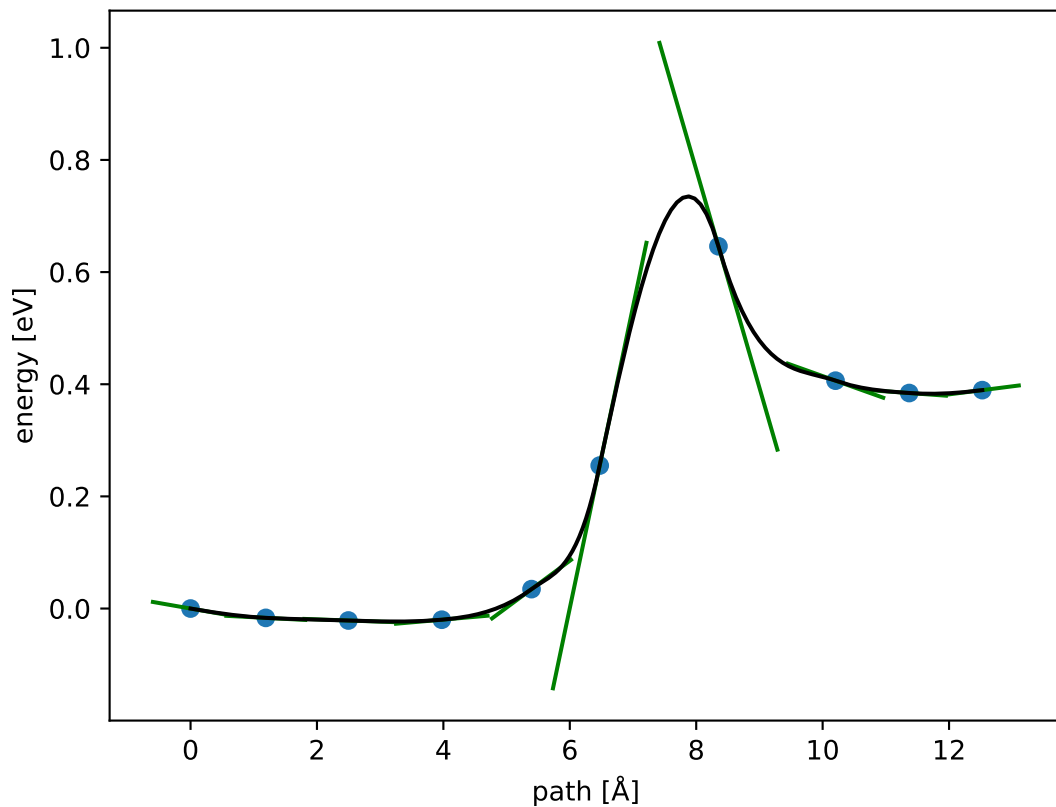
$$E_f \approx 0.641 \text{ eV}; E_r \approx 0.252 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



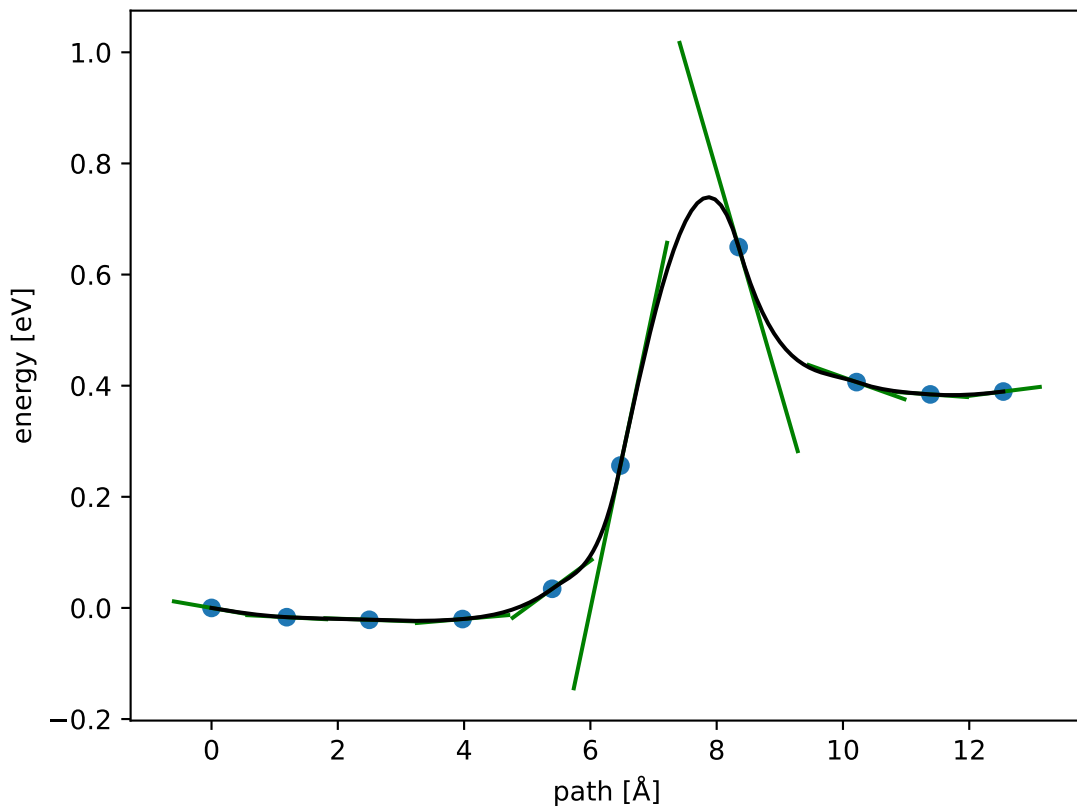
$$E_f \approx 0.643 \text{ eV}; E_r \approx 0.254 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



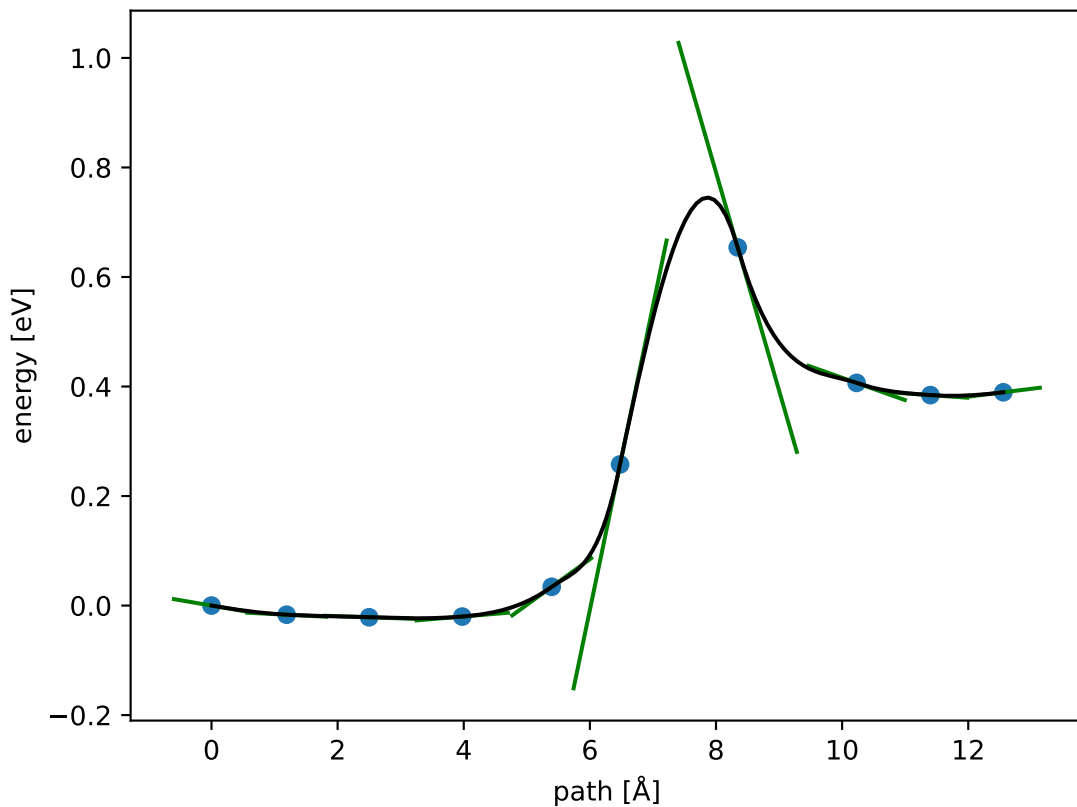
$$E_f \approx 0.646 \text{ eV}; E_r \approx 0.257 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



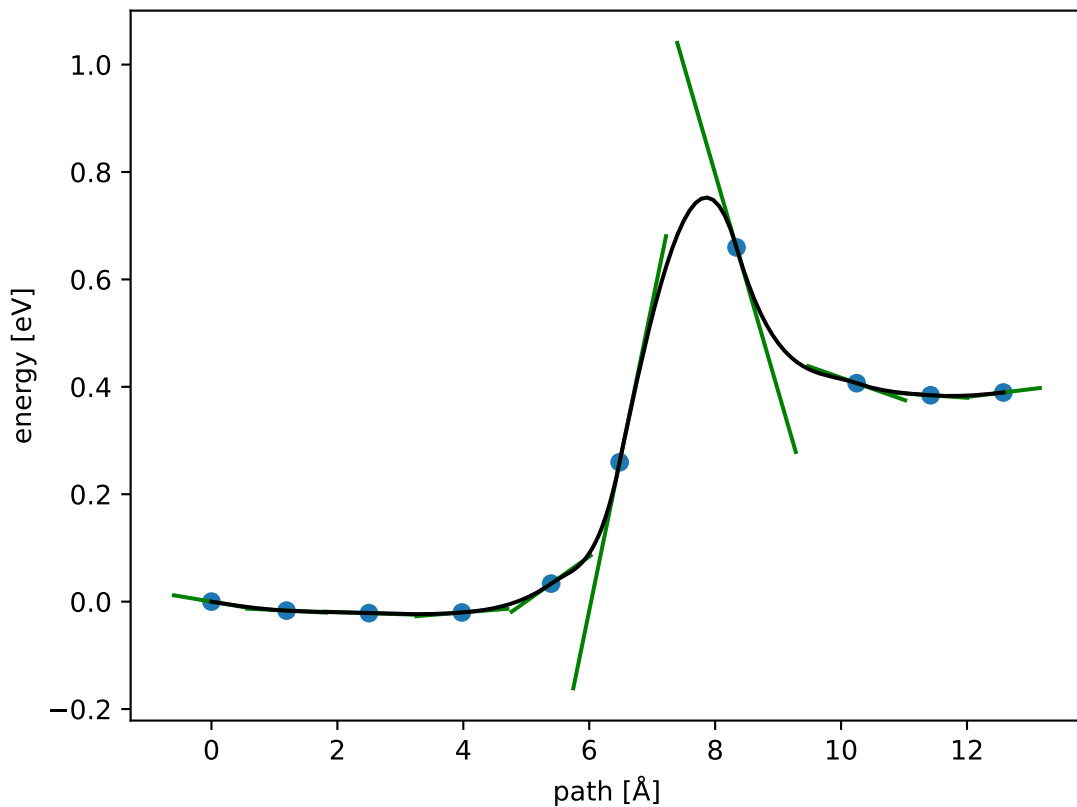
$$E_f \approx 0.650 \text{ eV}; E_r \approx 0.260 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.654 \text{ eV}; E_r \approx 0.265 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

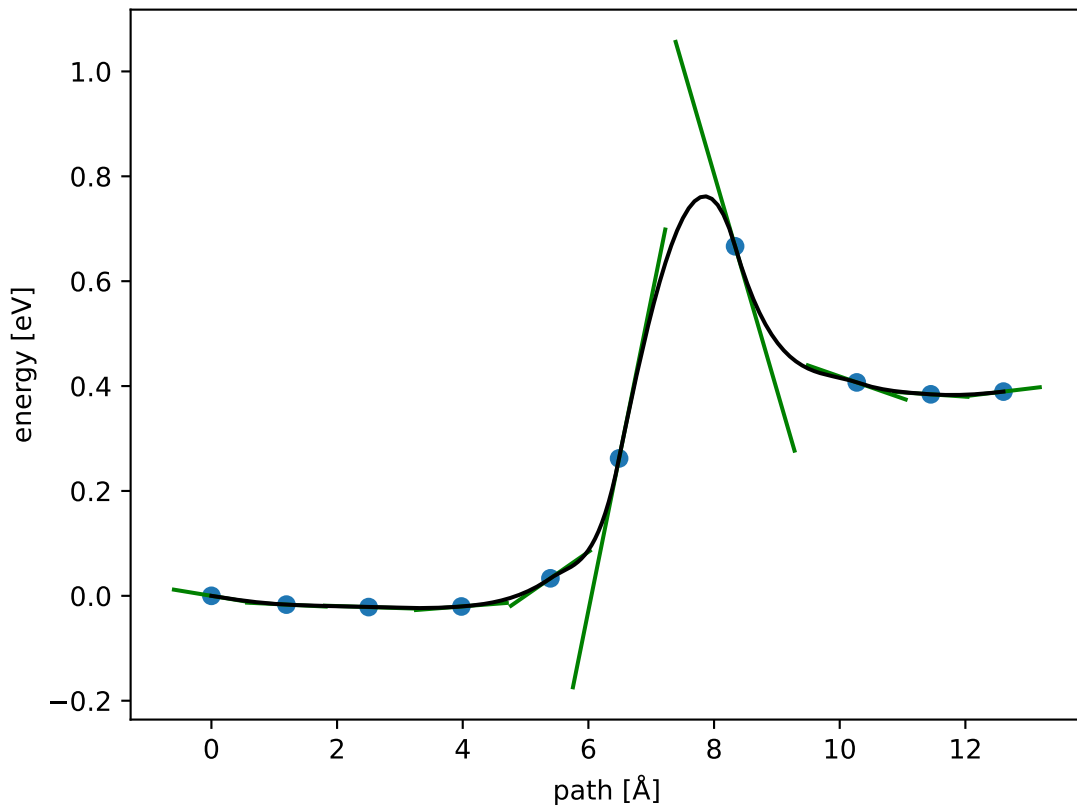


$$E_f \approx 0.660 \text{ eV}; E_r \approx 0.270 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

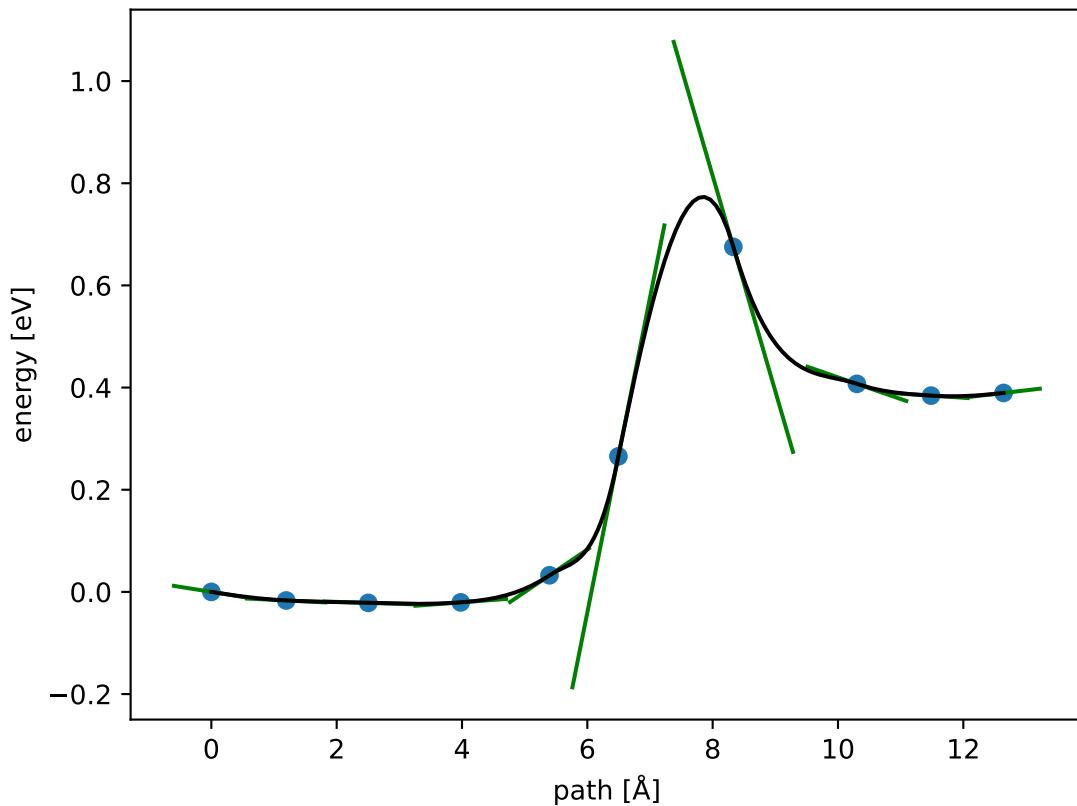




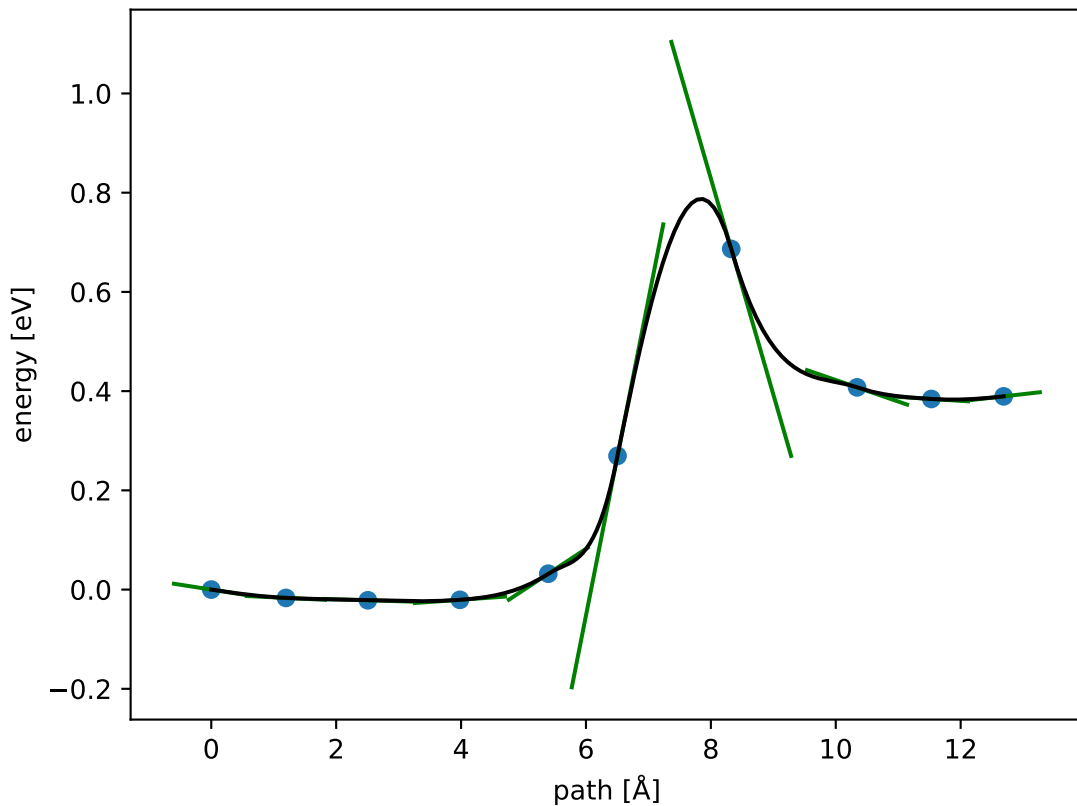
$$E_f \approx 0.667 \text{ eV}; E_r \approx 0.277 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



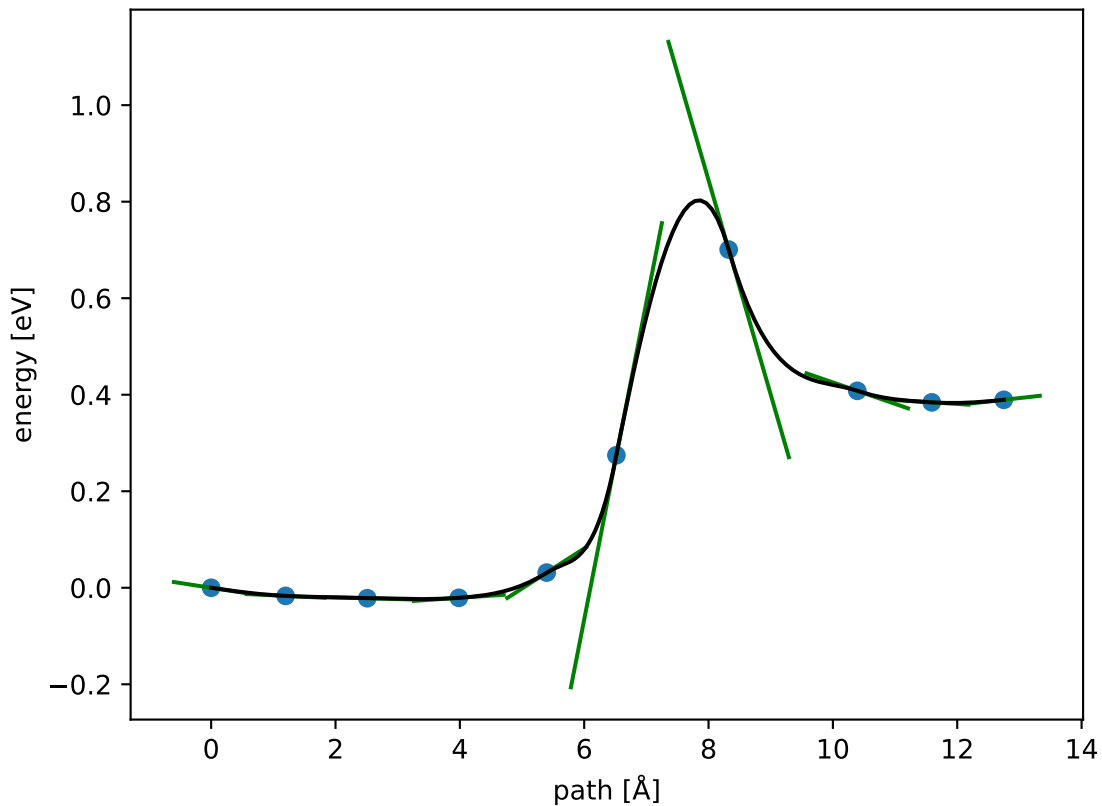
$$E_f \approx 0.675 \text{ eV}; E_r \approx 0.286 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



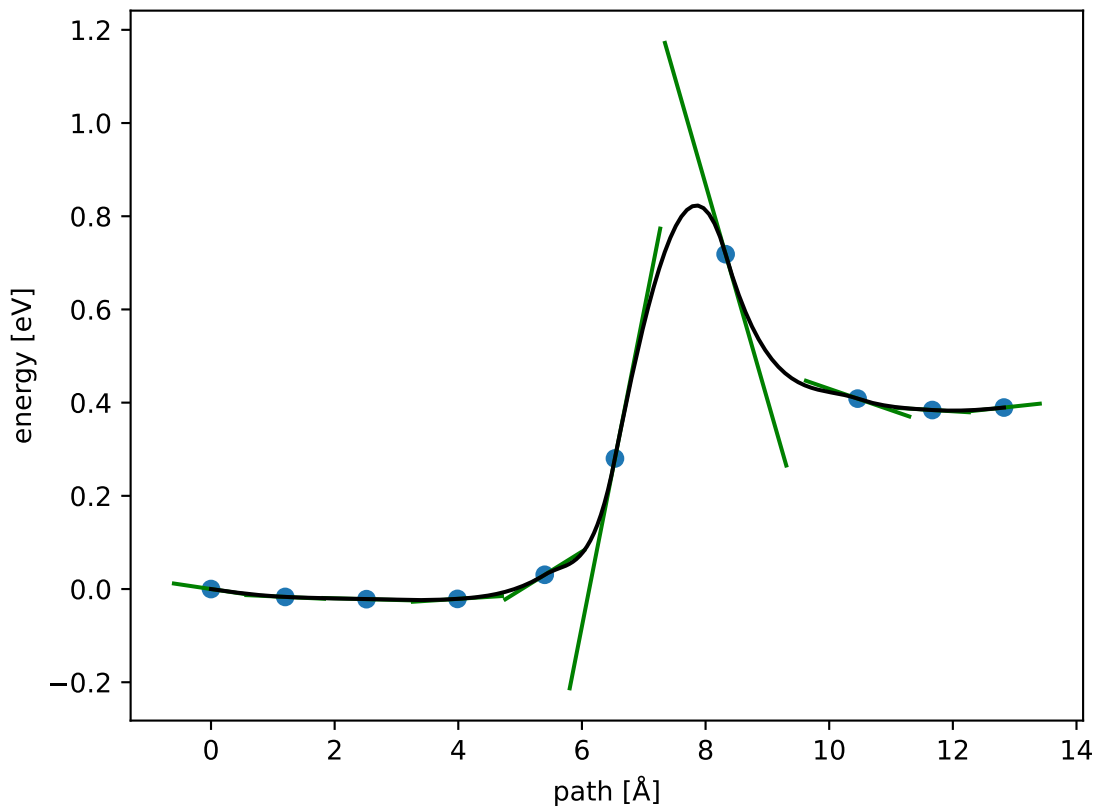
$$E_f \approx 0.687 \text{ eV}; E_r \approx 0.297 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



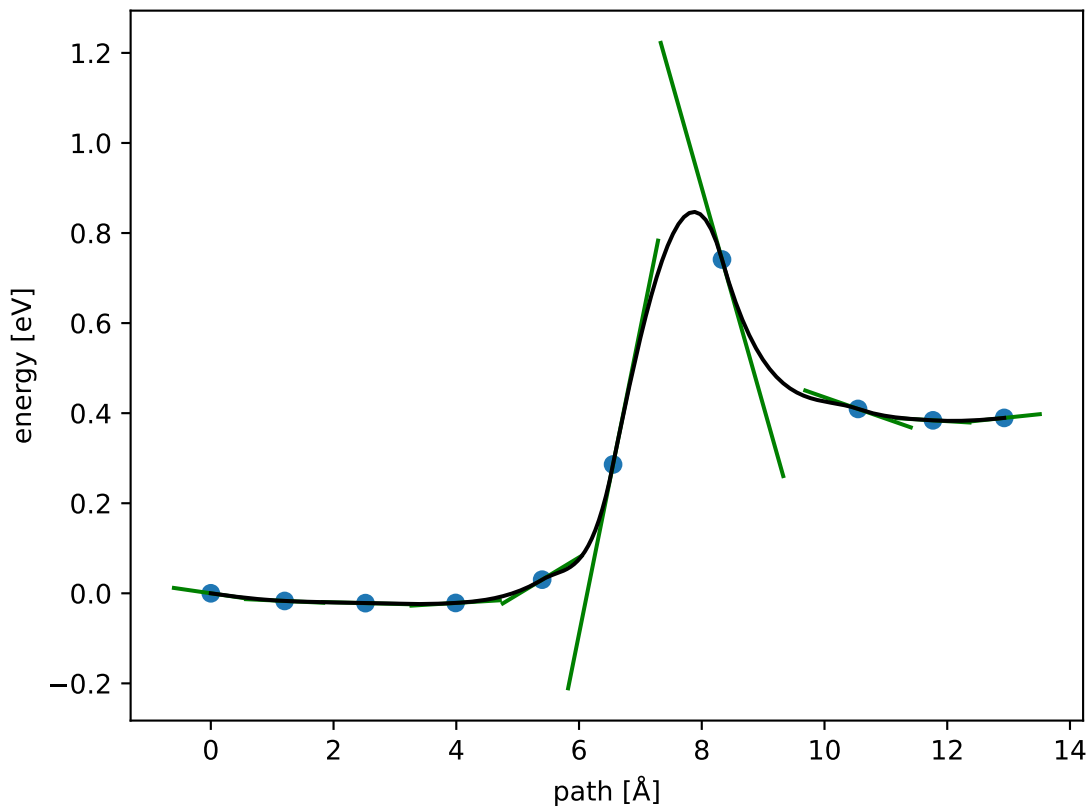
$$E_f \approx 0.701 \text{ eV}; E_r \approx 0.311 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



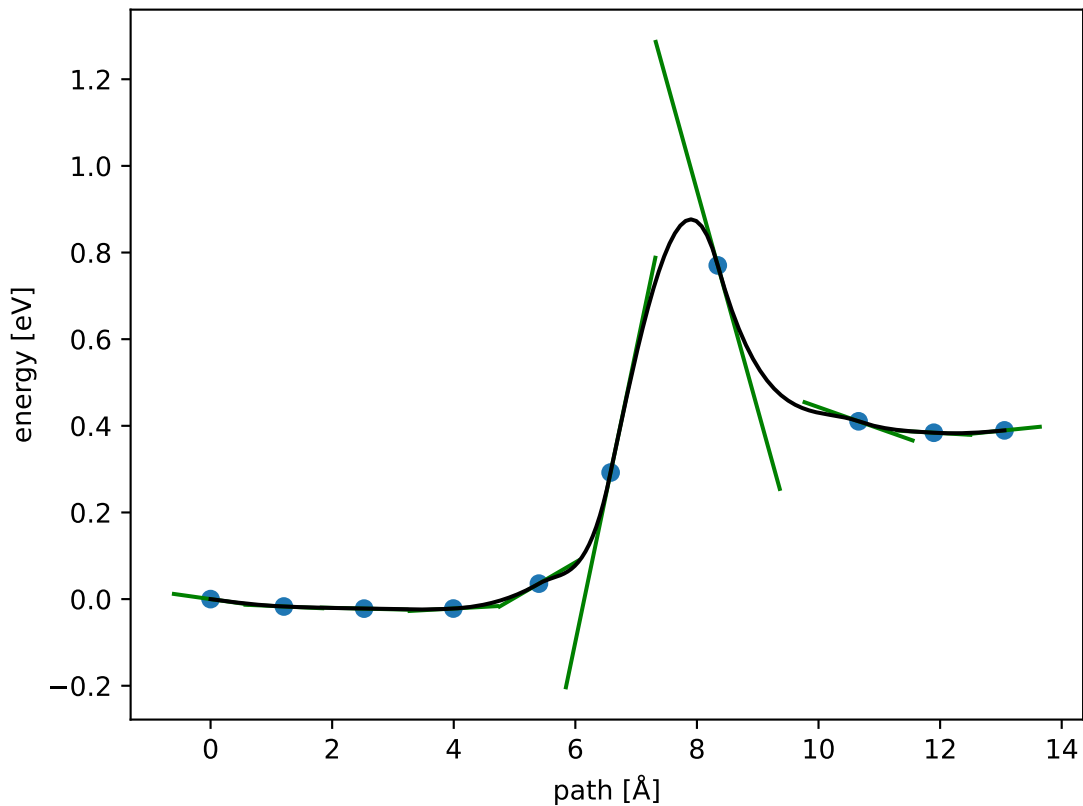
$$E_f \approx 0.719 \text{ eV}; E_r \approx 0.329 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



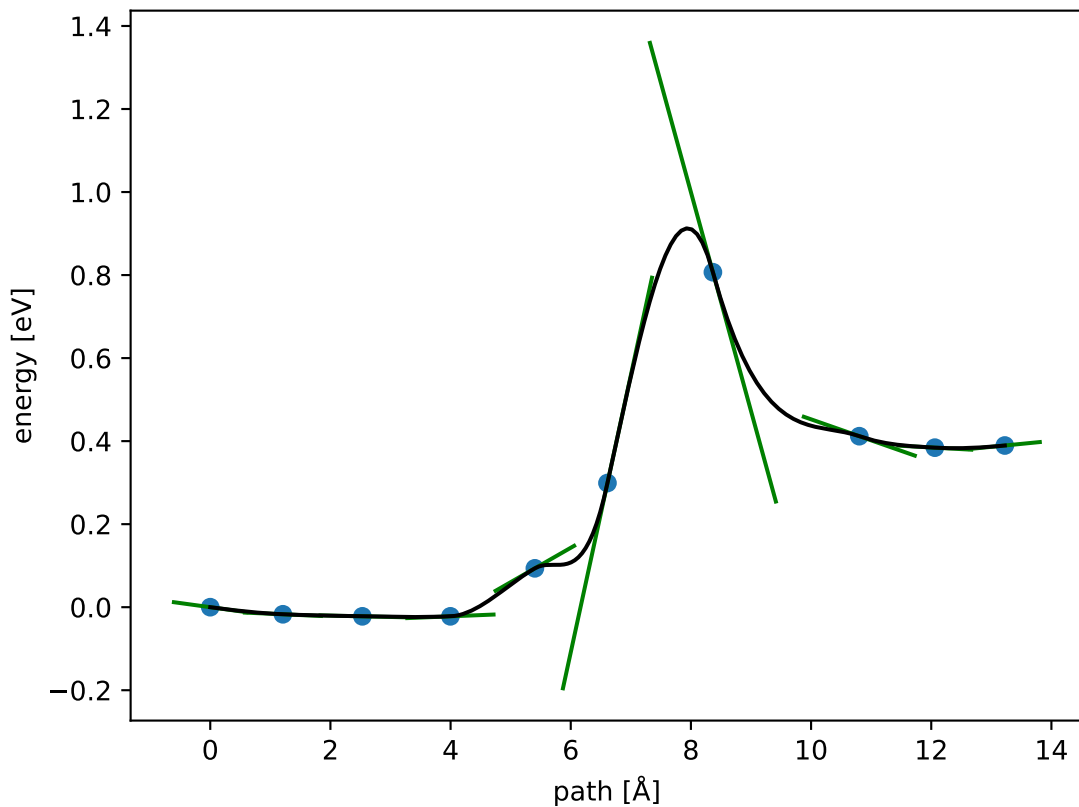
$$E_f \approx 0.741 \text{ eV}; E_r \approx 0.352 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.770 \text{ eV}; E_r \approx 0.381 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

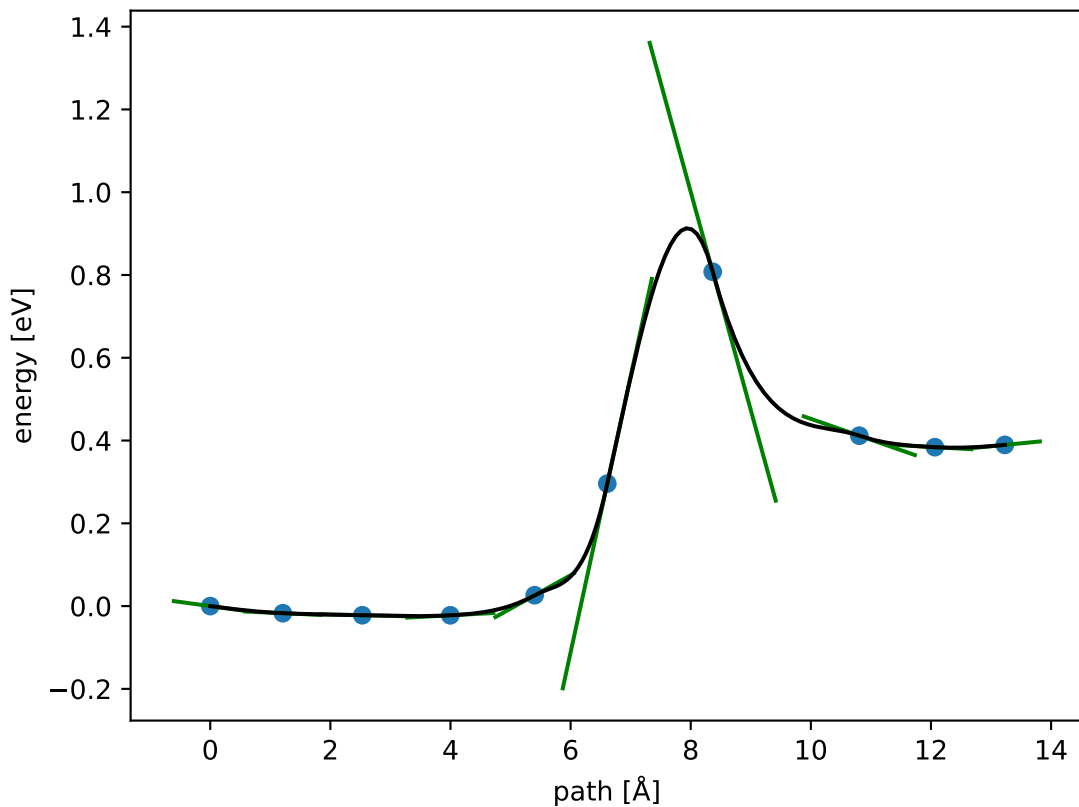


$$E_f \approx 0.807 \text{ eV}; E_r \approx 0.417 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

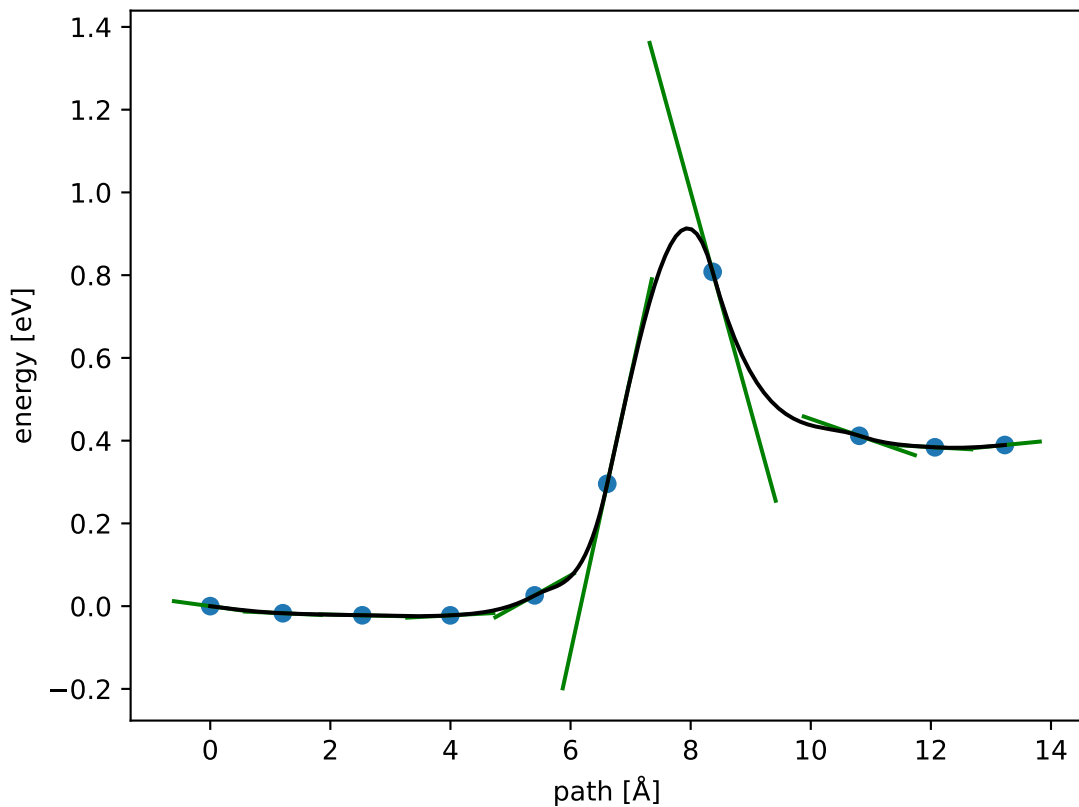




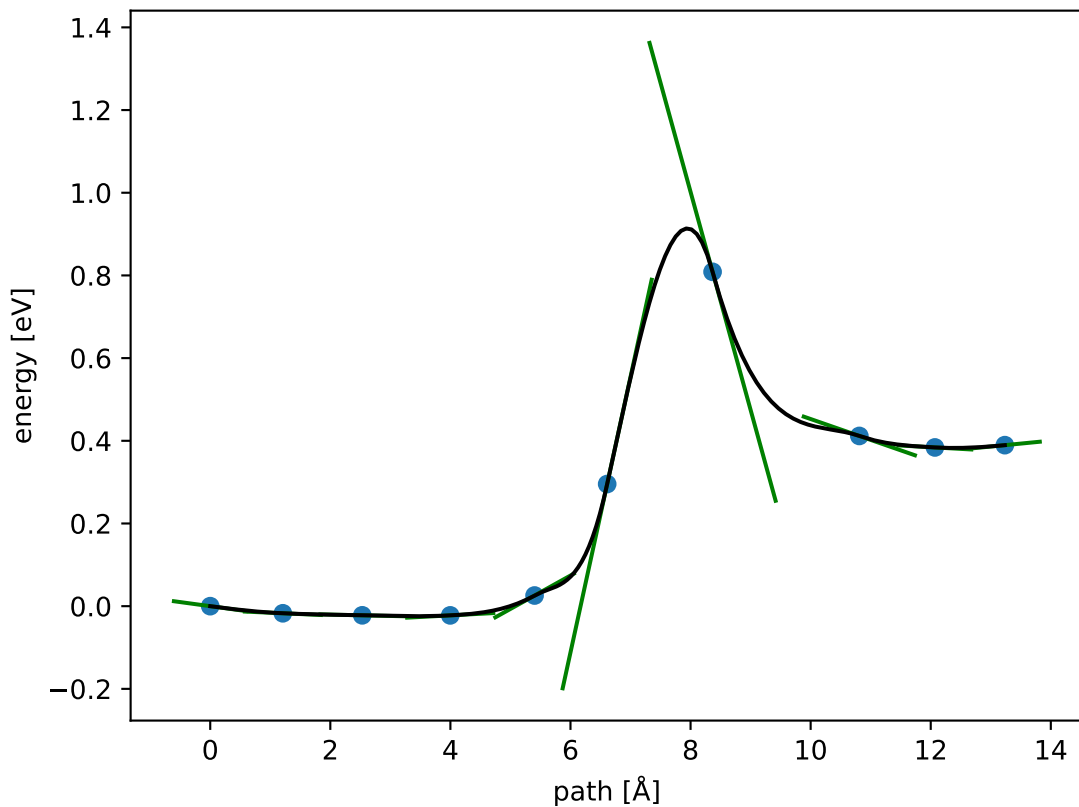
$$E_f \approx 0.808 \text{ eV}; E_r \approx 0.418 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



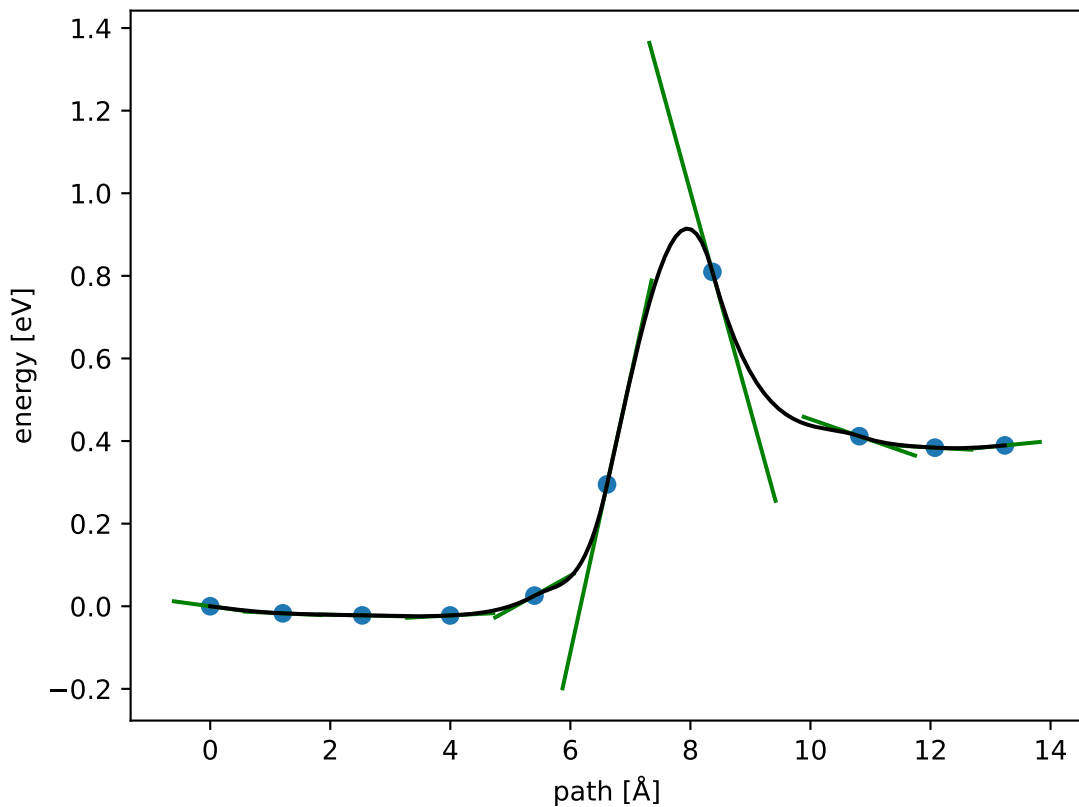
$$E_f \approx 0.808 \text{ eV}; E_r \approx 0.419 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



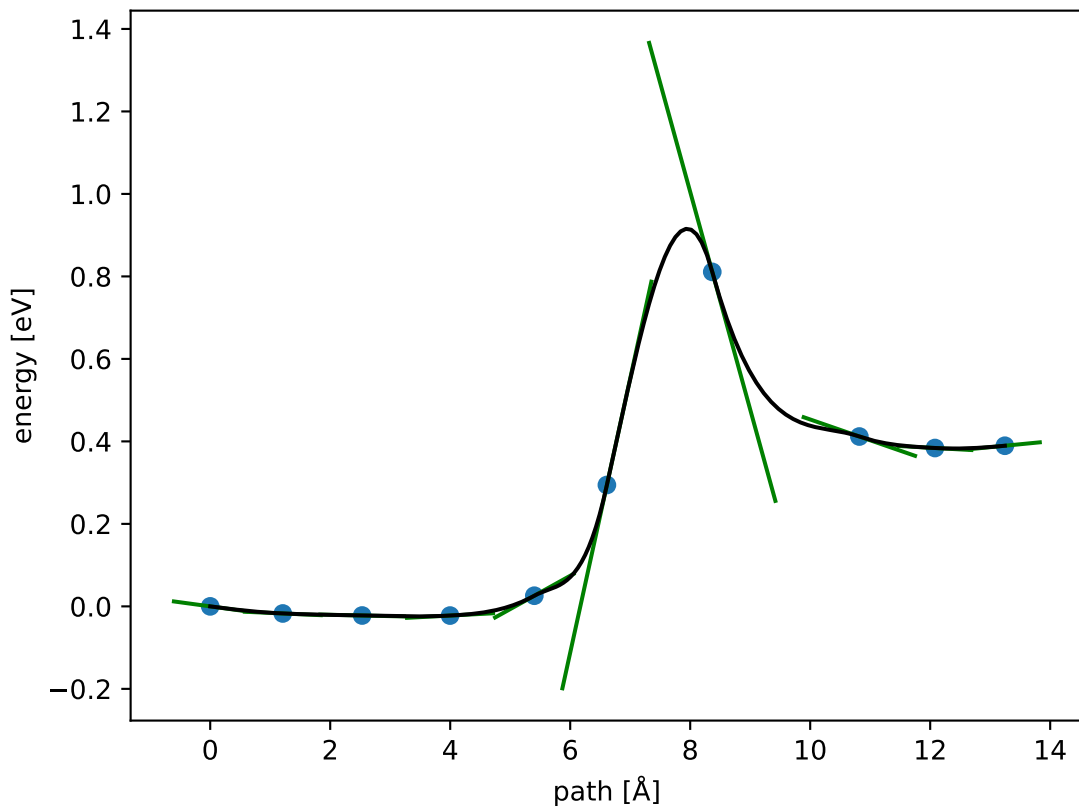
$$E_f \approx 0.809 \text{ eV}; E_r \approx 0.419 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



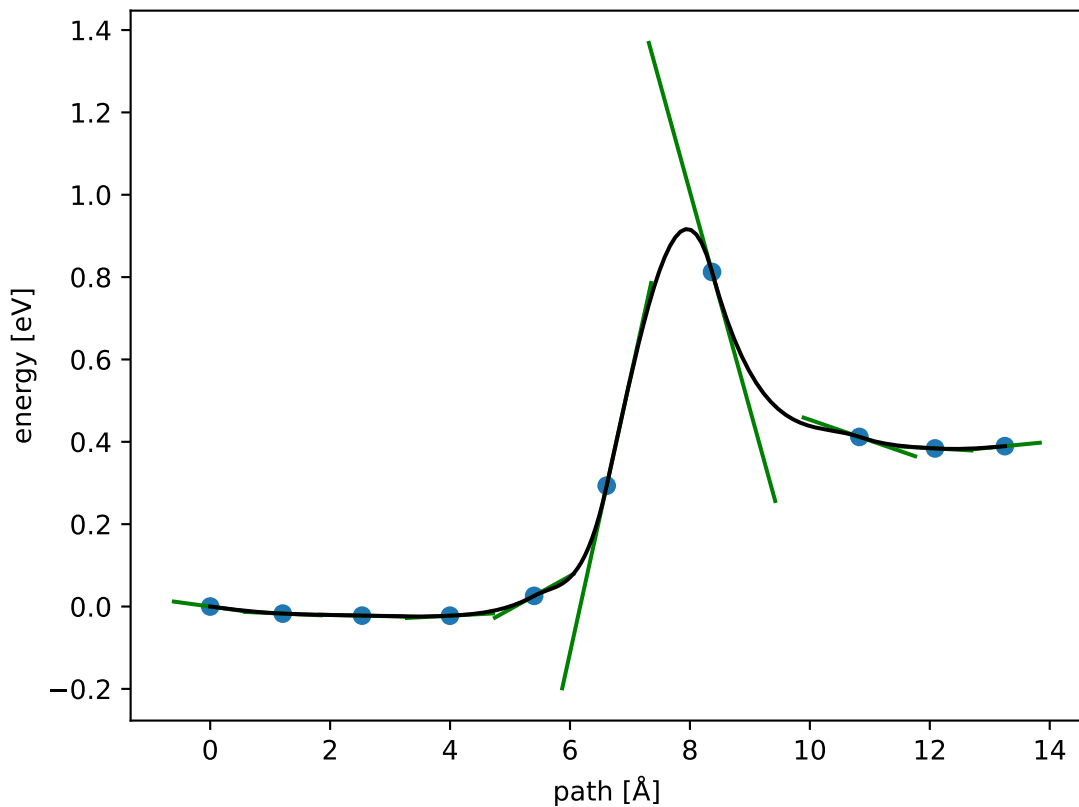
$$E_f \approx 0.810 \text{ eV}; E_r \approx 0.420 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



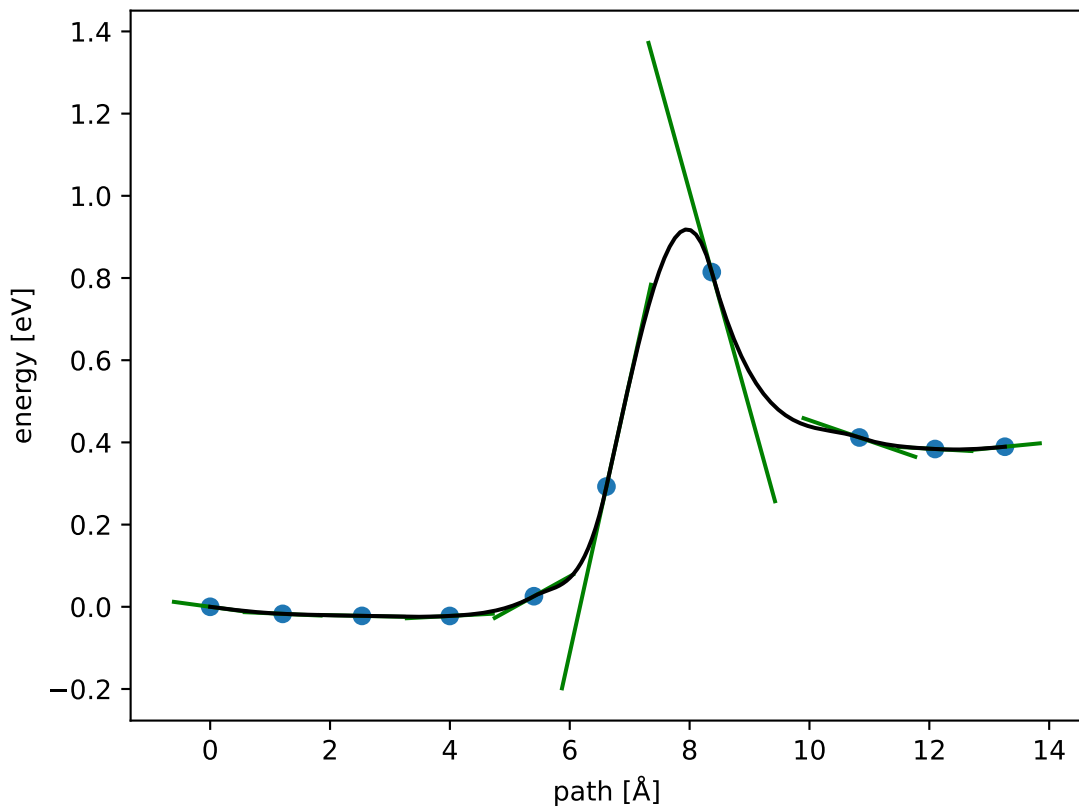
$$E_f \approx 0.811 \text{ eV}; E_r \approx 0.421 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



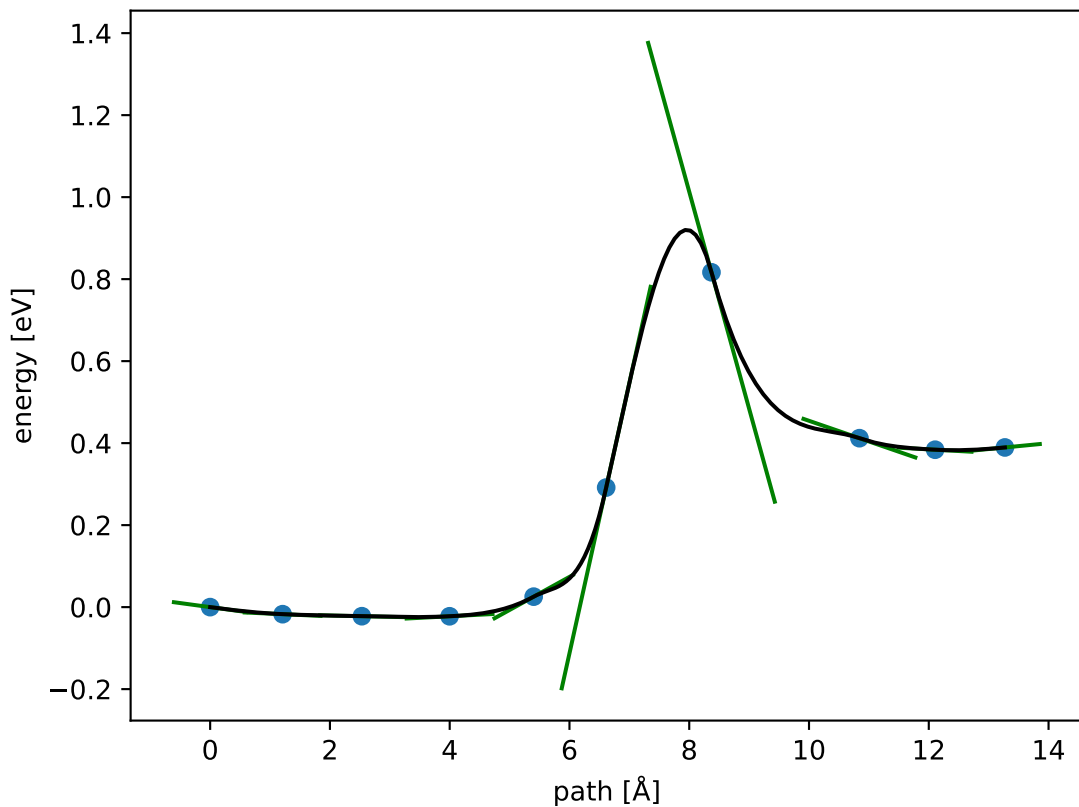
$$E_f \approx 0.813 \text{ eV}; E_r \approx 0.423 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.814 \text{ eV}; E_r \approx 0.425 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

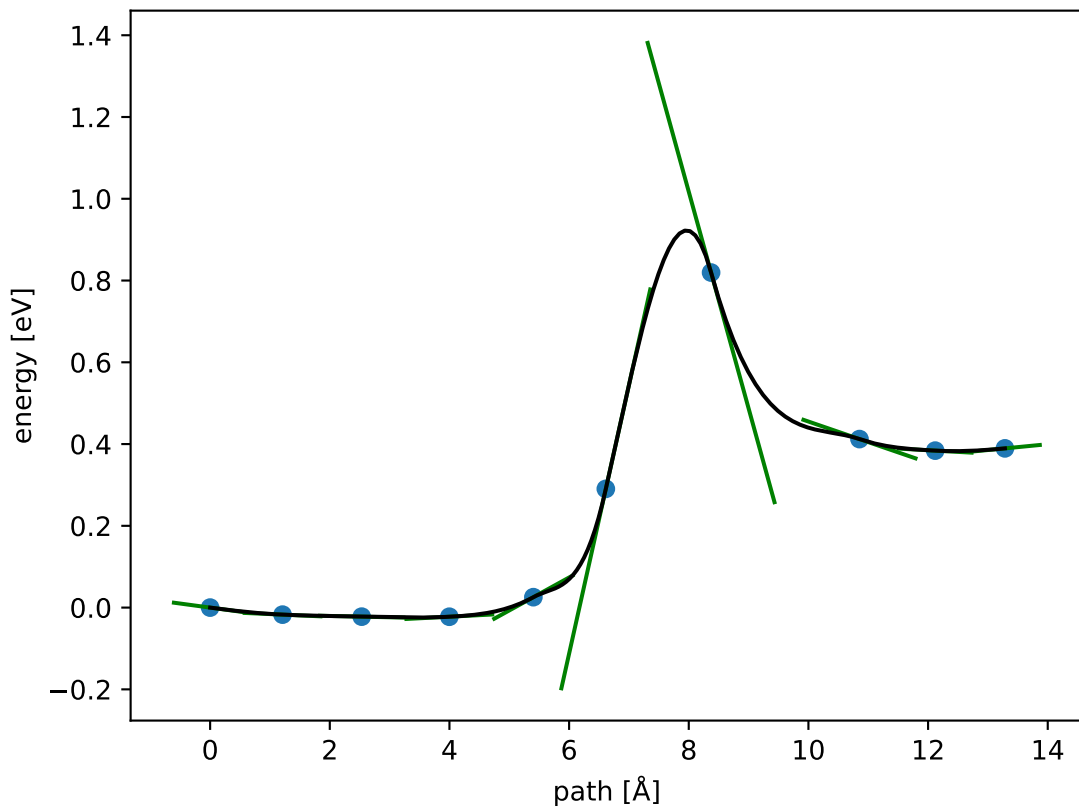


$$E_f \approx 0.817 \text{ eV}; E_r \approx 0.427 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

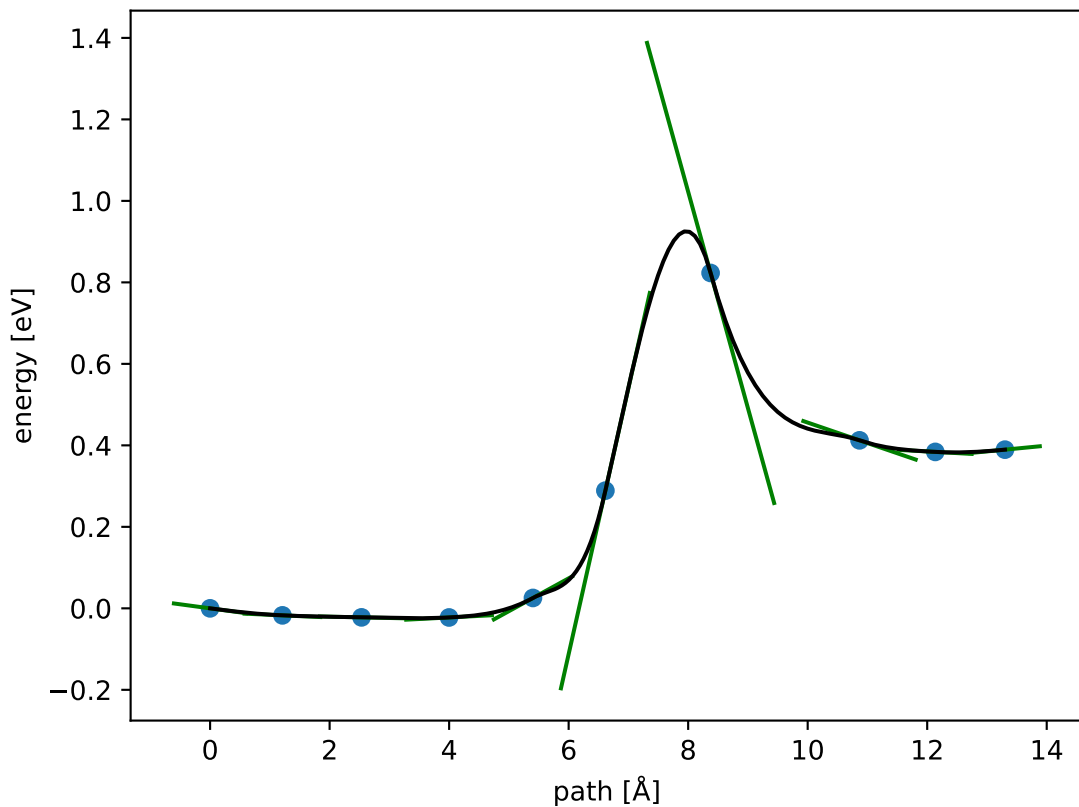




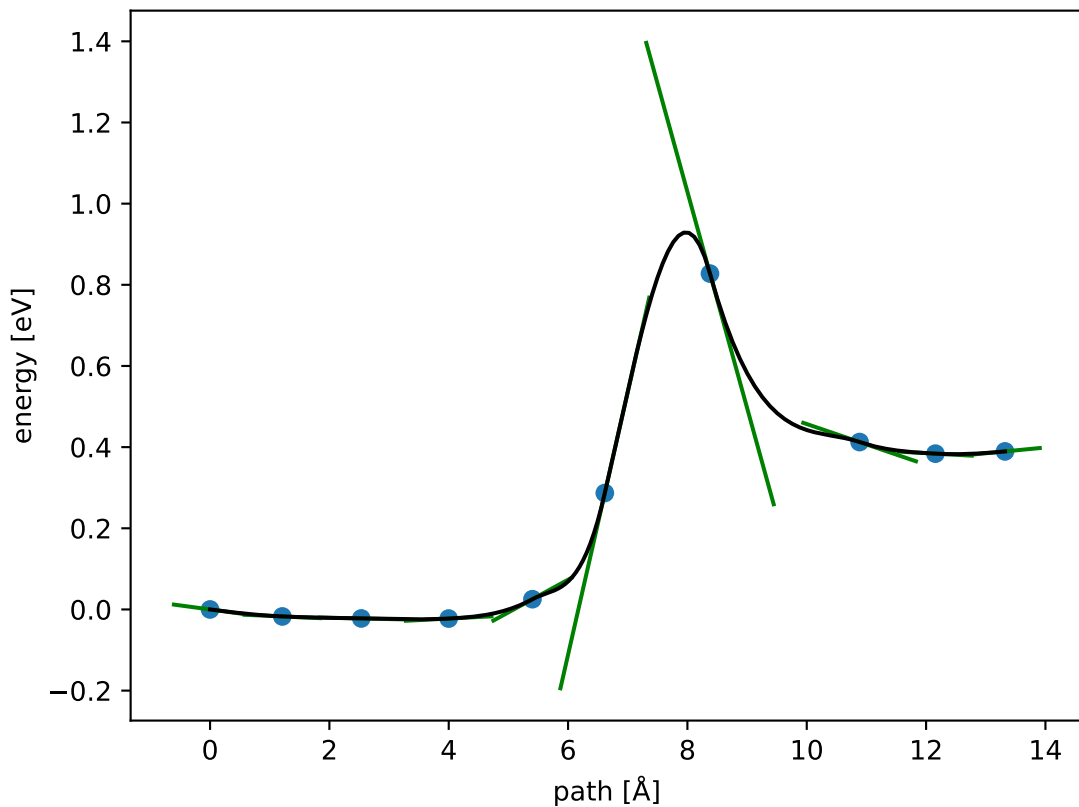
$$E_f \approx 0.820 \text{ eV}; E_r \approx 0.430 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



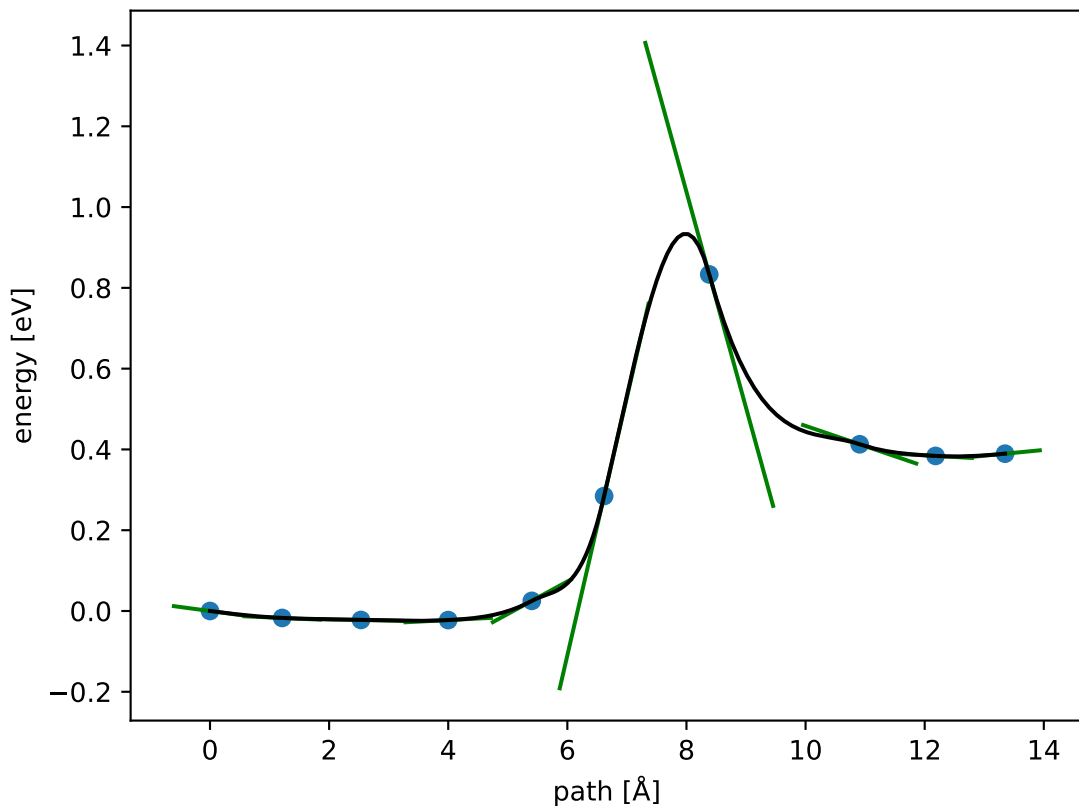
$$E_f \approx 0.823 \text{ eV}; E_r \approx 0.434 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



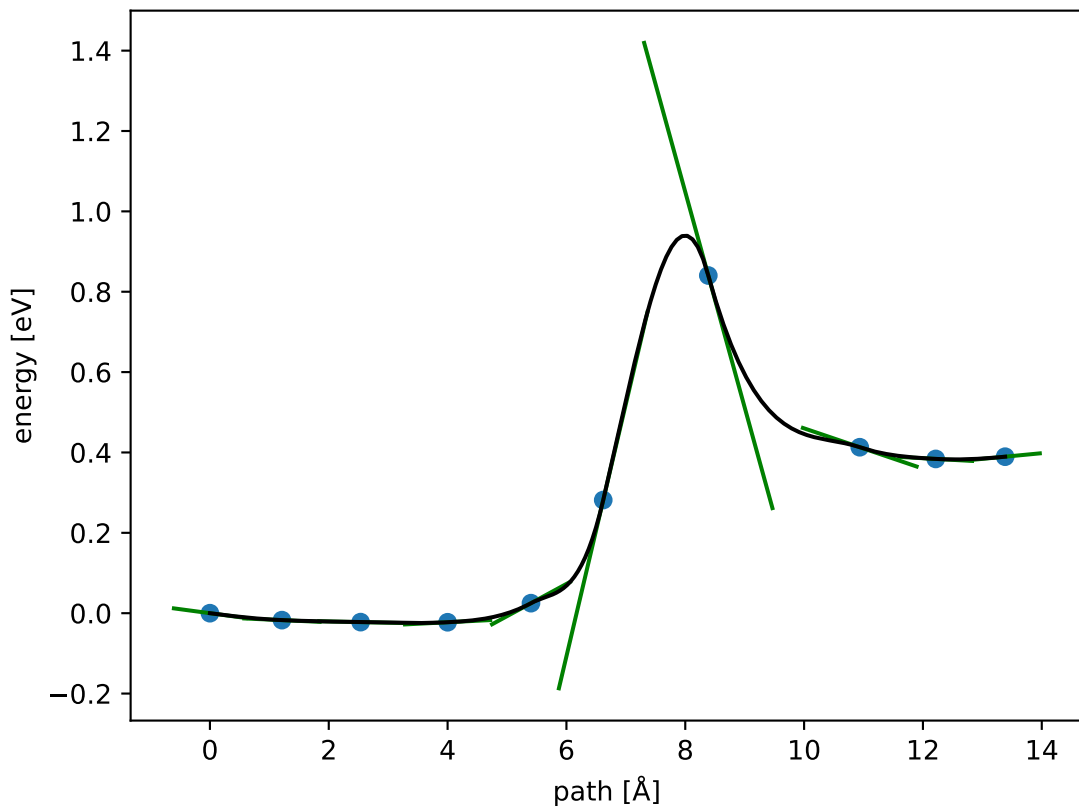
$$E_f \approx 0.828 \text{ eV}; E_r \approx 0.438 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



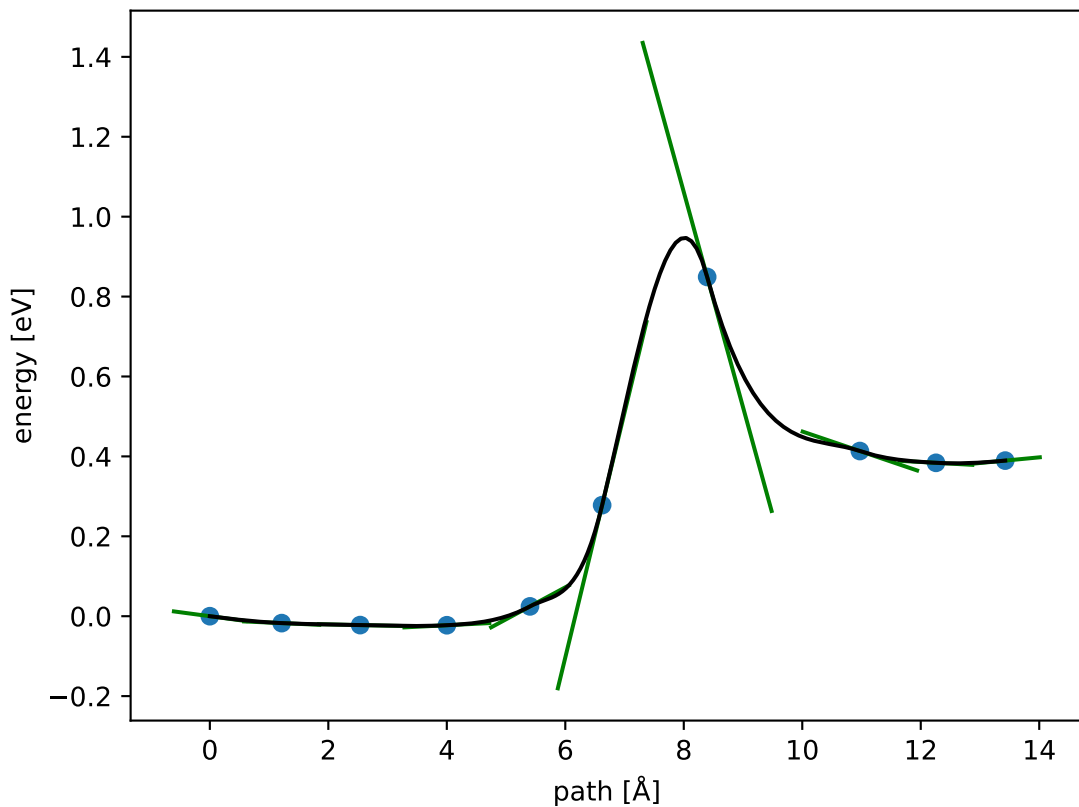
$$E_f \approx 0.833 \text{ eV}; E_r \approx 0.444 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



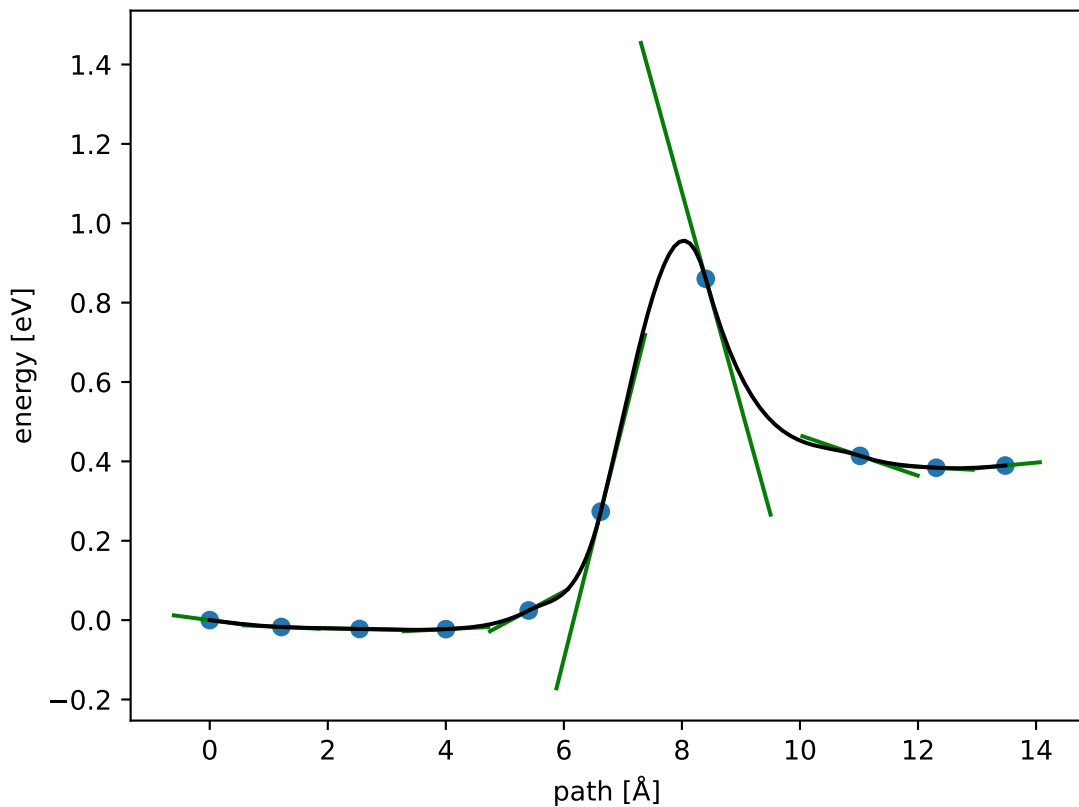
$$E_f \approx 0.840 \text{ eV}; E_r \approx 0.451 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



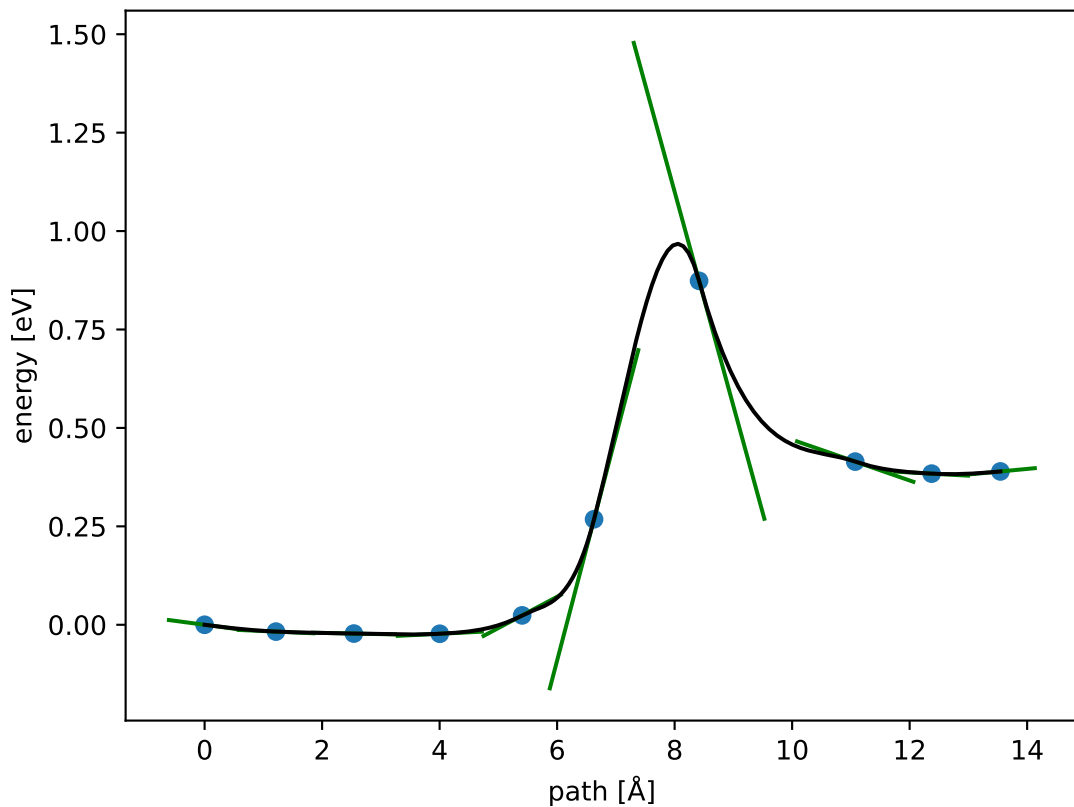
$$E_f \approx 0.849 \text{ eV}; E_r \approx 0.460 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.860 \text{ eV}; E_r \approx 0.471 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

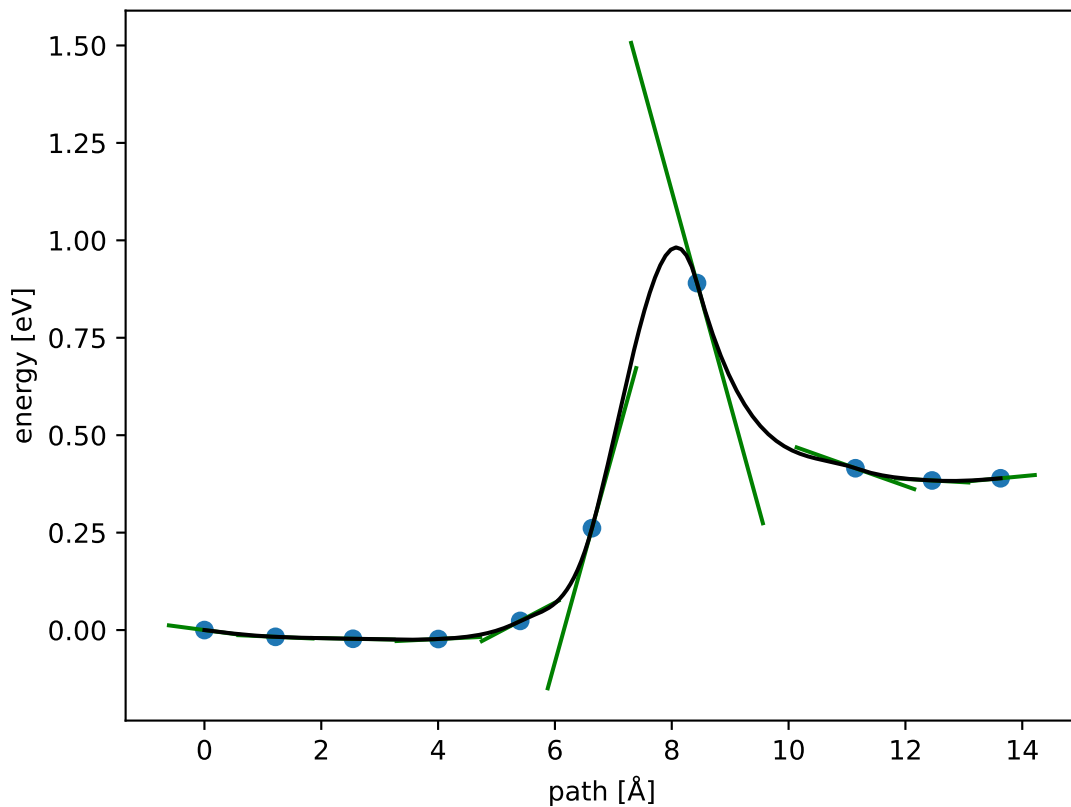


$$E_f \approx 0.874 \text{ eV}; E_r \approx 0.484 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

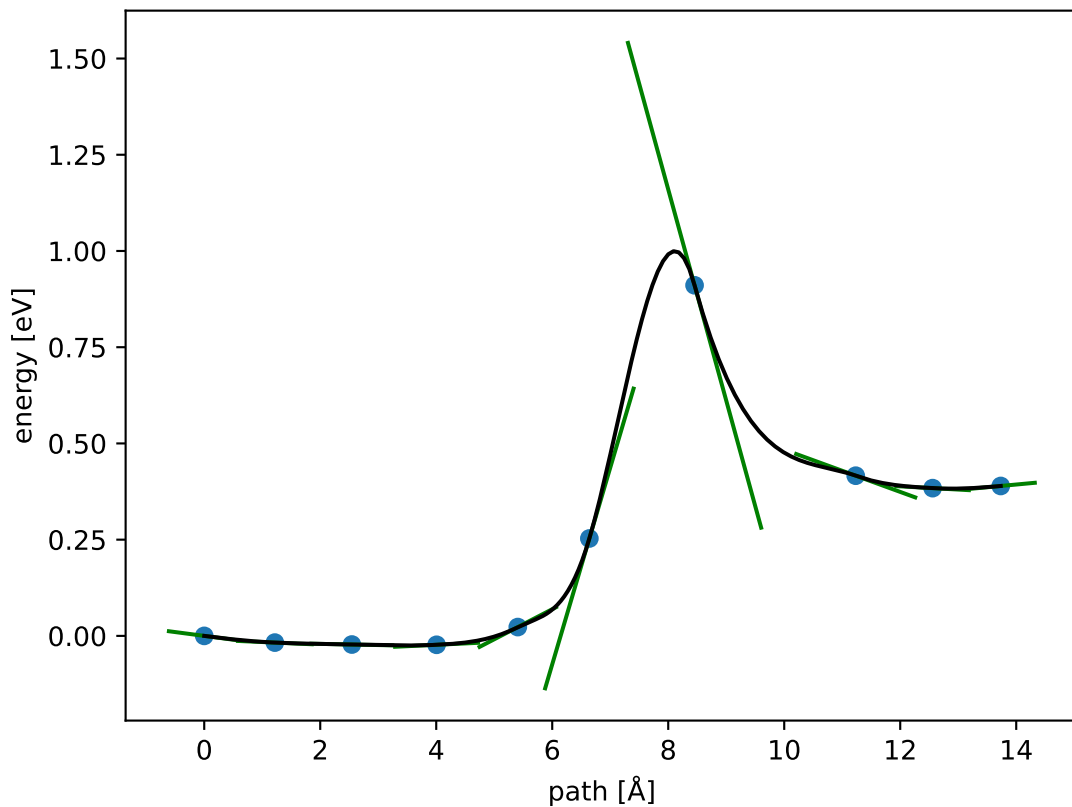




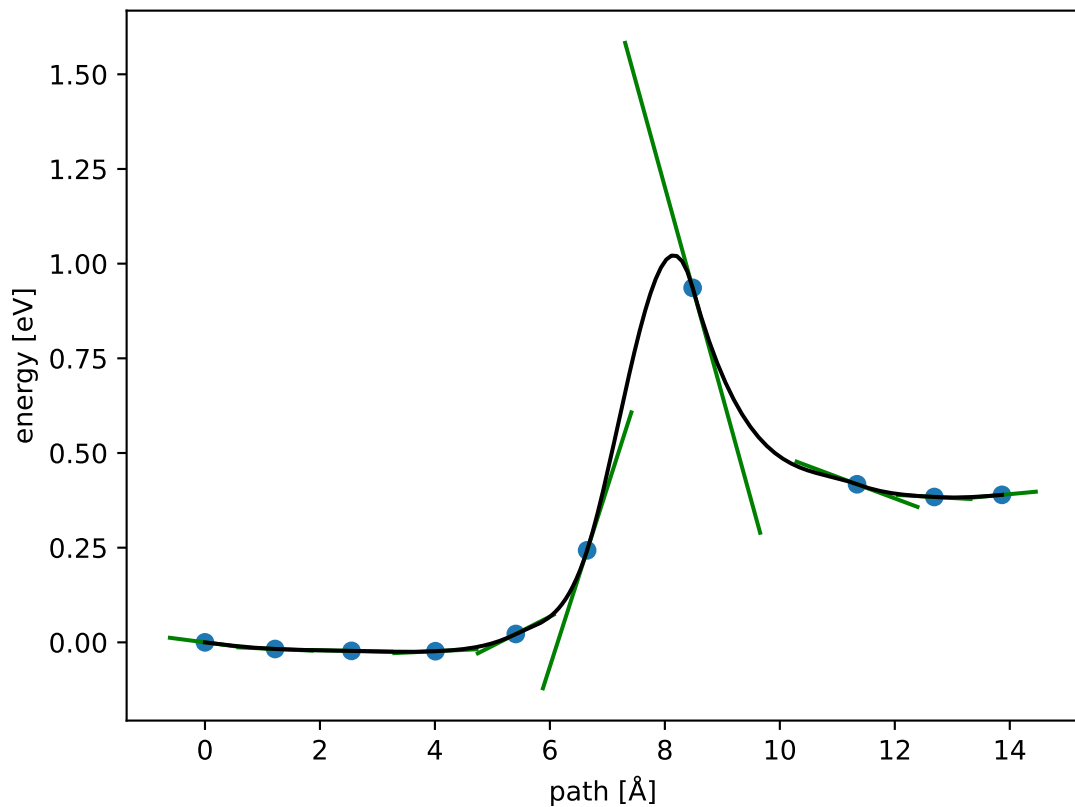
$$E_f \approx 0.890 \text{ eV}; E_r \approx 0.501 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



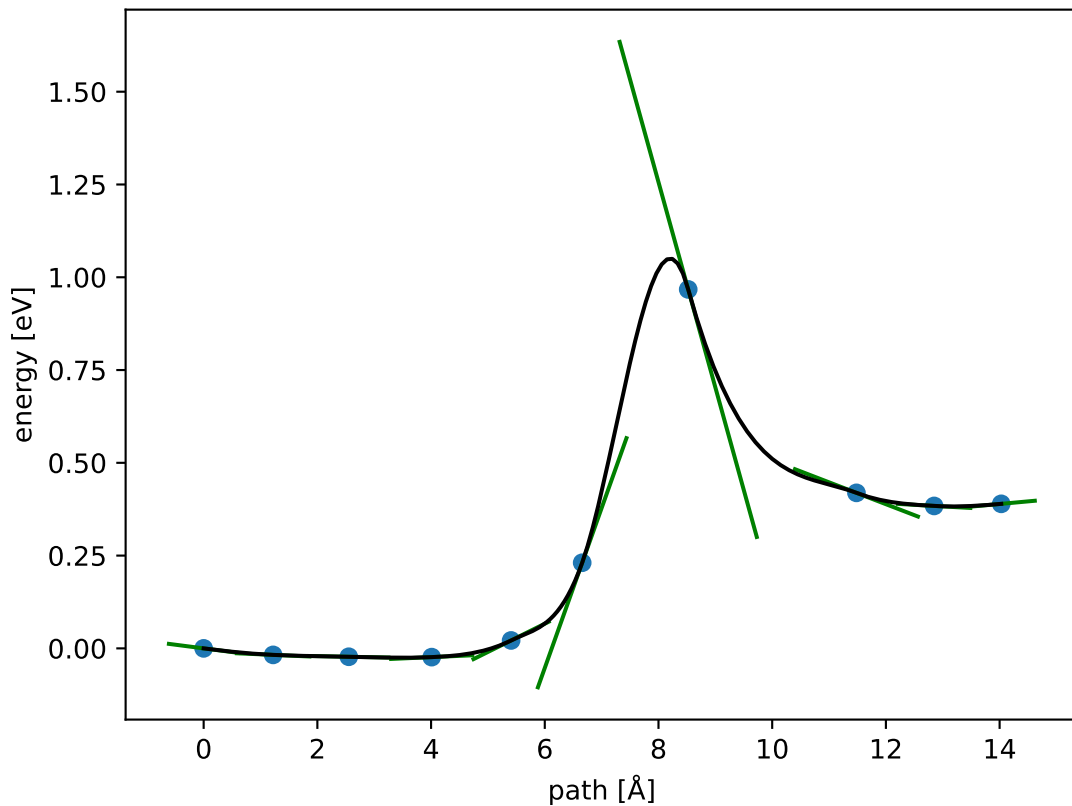
$$E_f \approx 0.911 \text{ eV}; E_r \approx 0.521 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



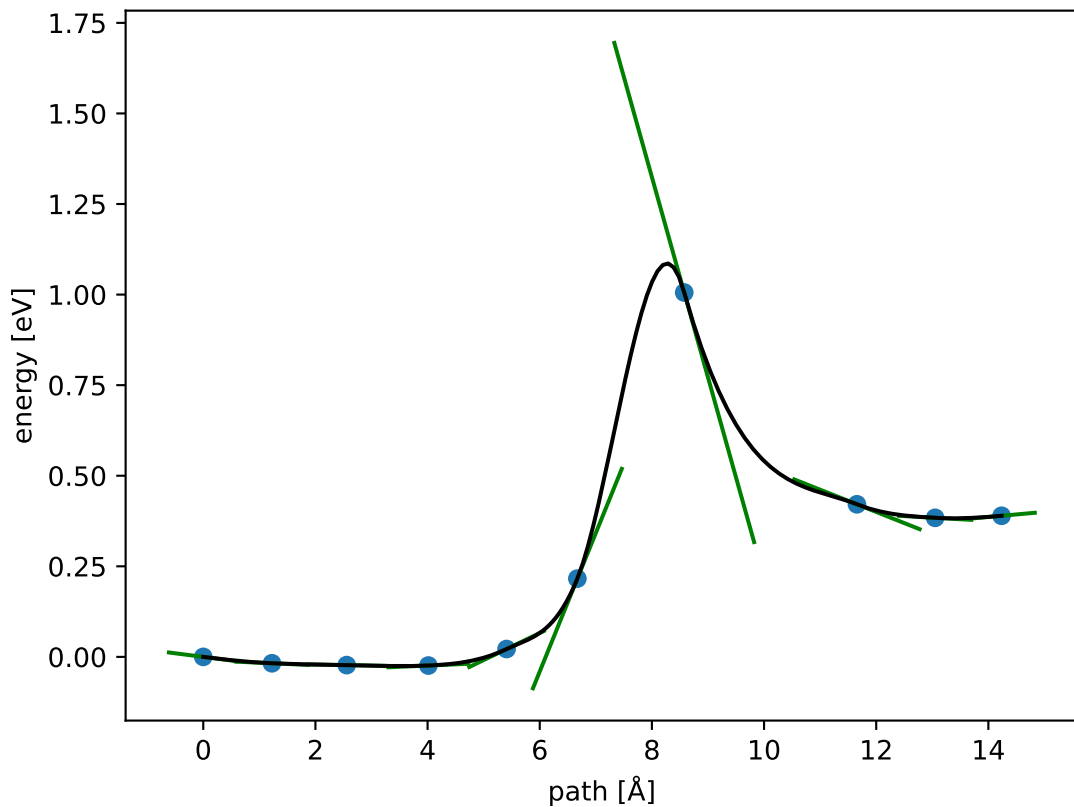
$$E_f \approx 0.936 \text{ eV}; E_r \approx 0.547 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



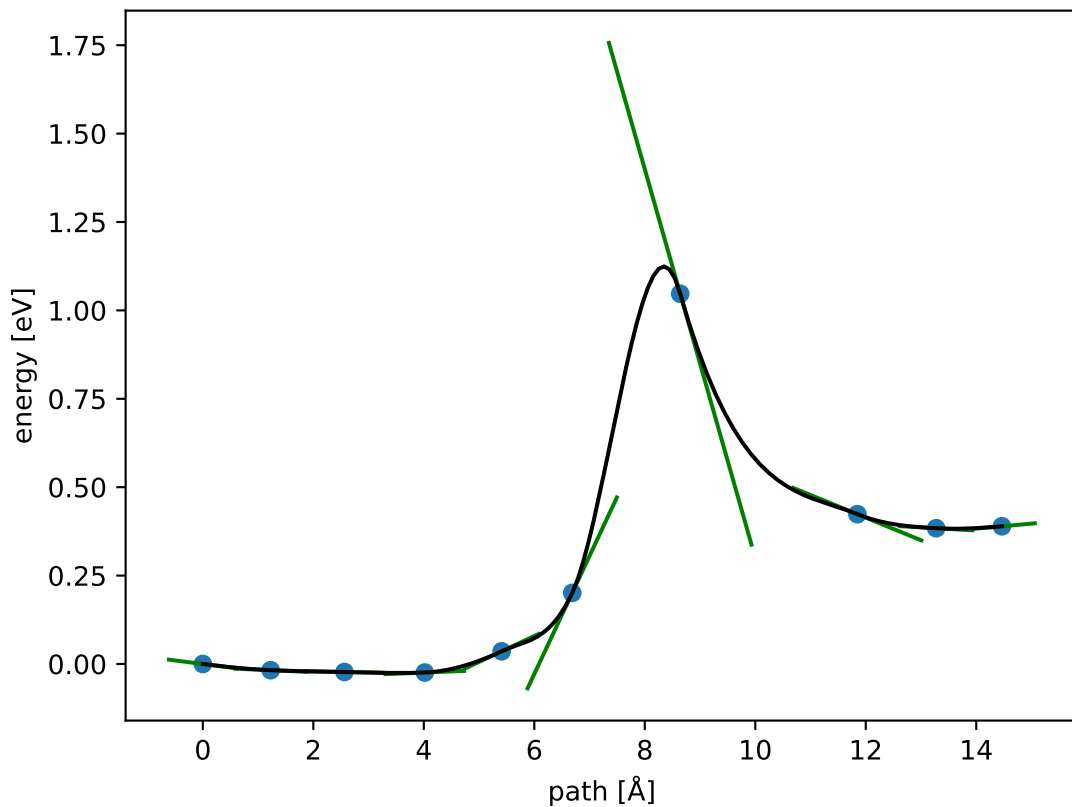
$$E_f \approx 0.967 \text{ eV}; E_r \approx 0.578 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



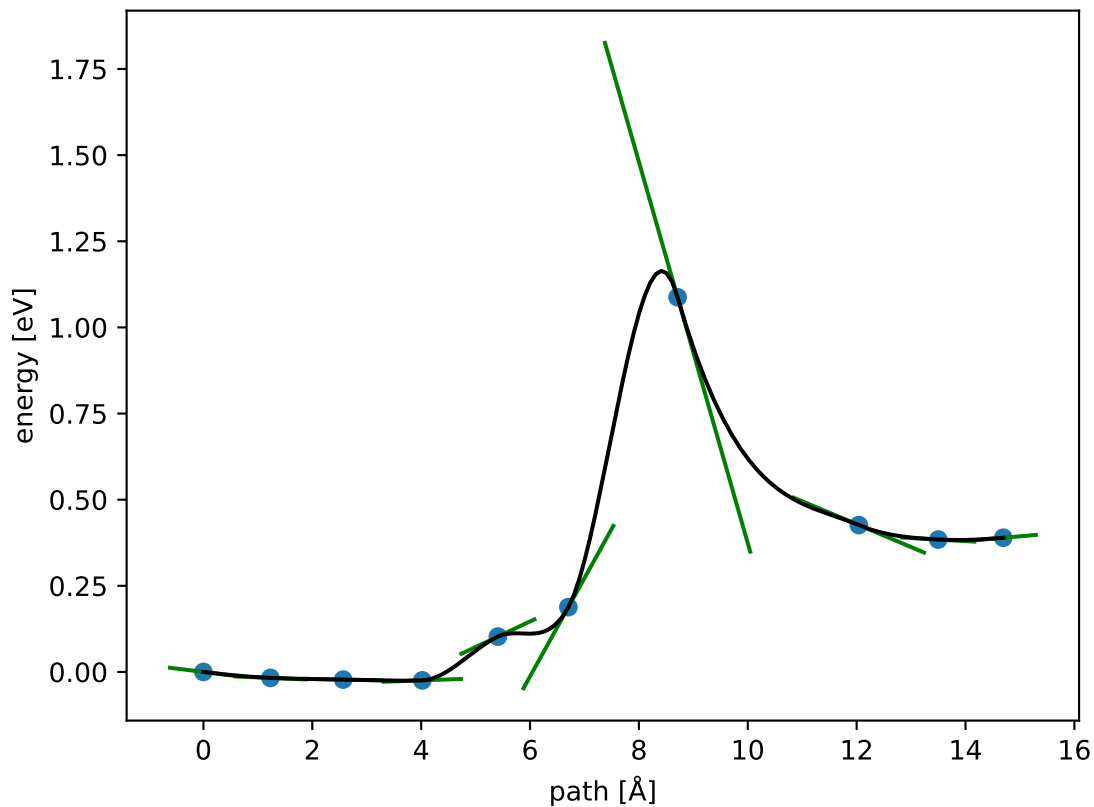
$$E_f \approx 1.006 \text{ eV}; E_r \approx 0.616 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



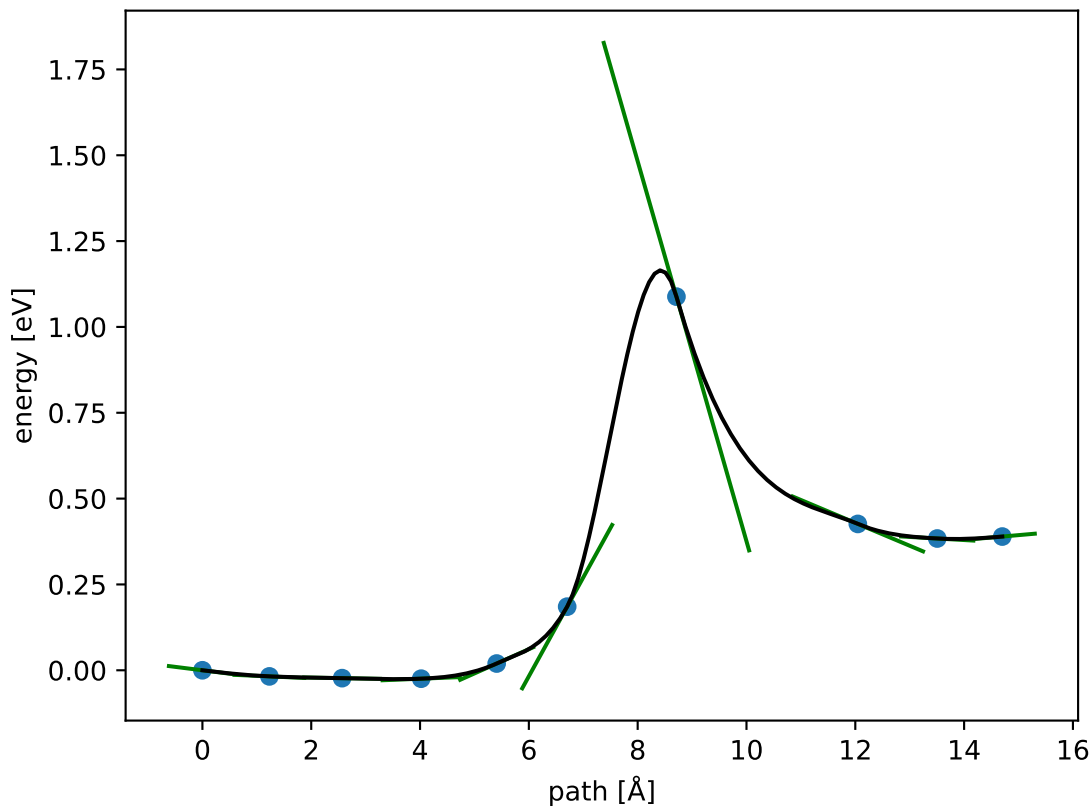
$$E_f \approx 1.047 \text{ eV}; E_r \approx 0.658 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.087 \text{ eV}; E_r \approx 0.698 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

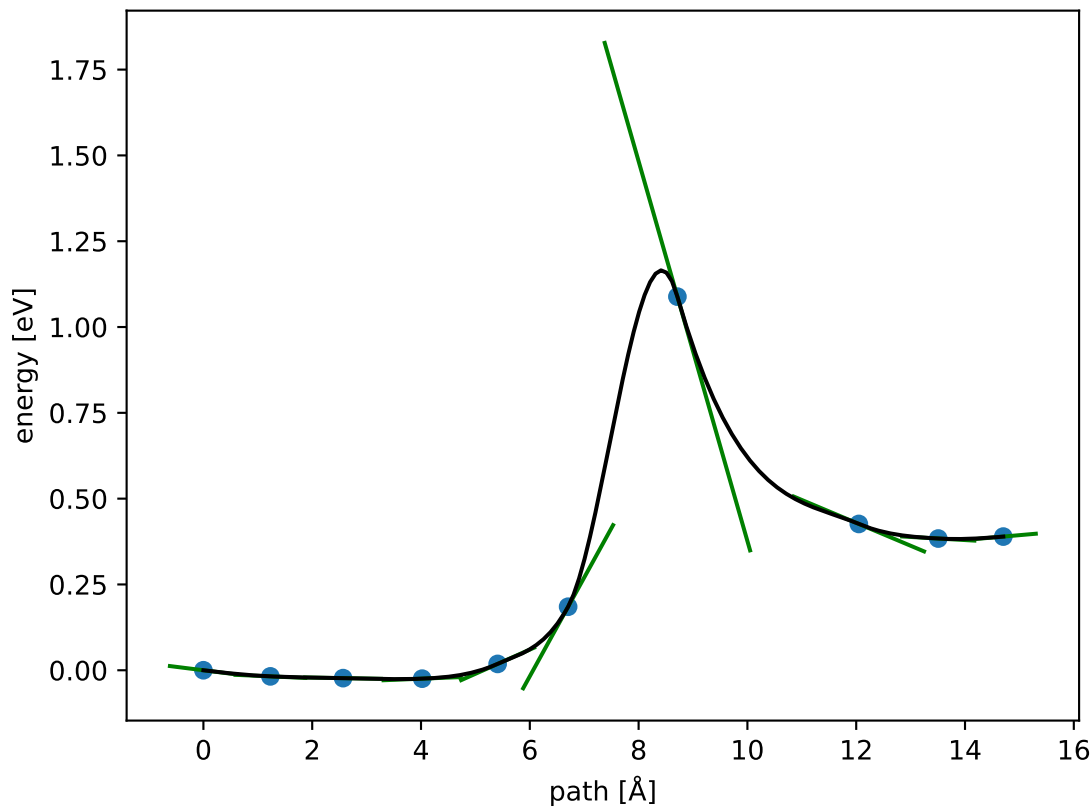


$$E_f \approx 1.088 \text{ eV}; E_r \approx 0.699 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

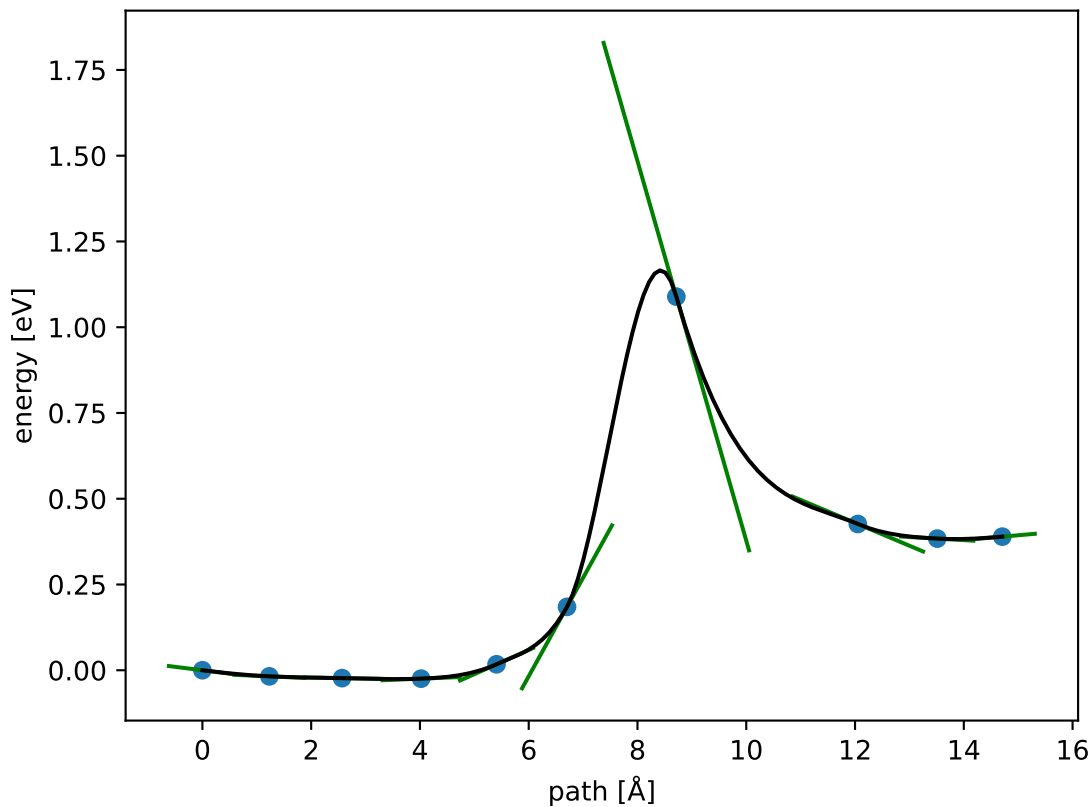




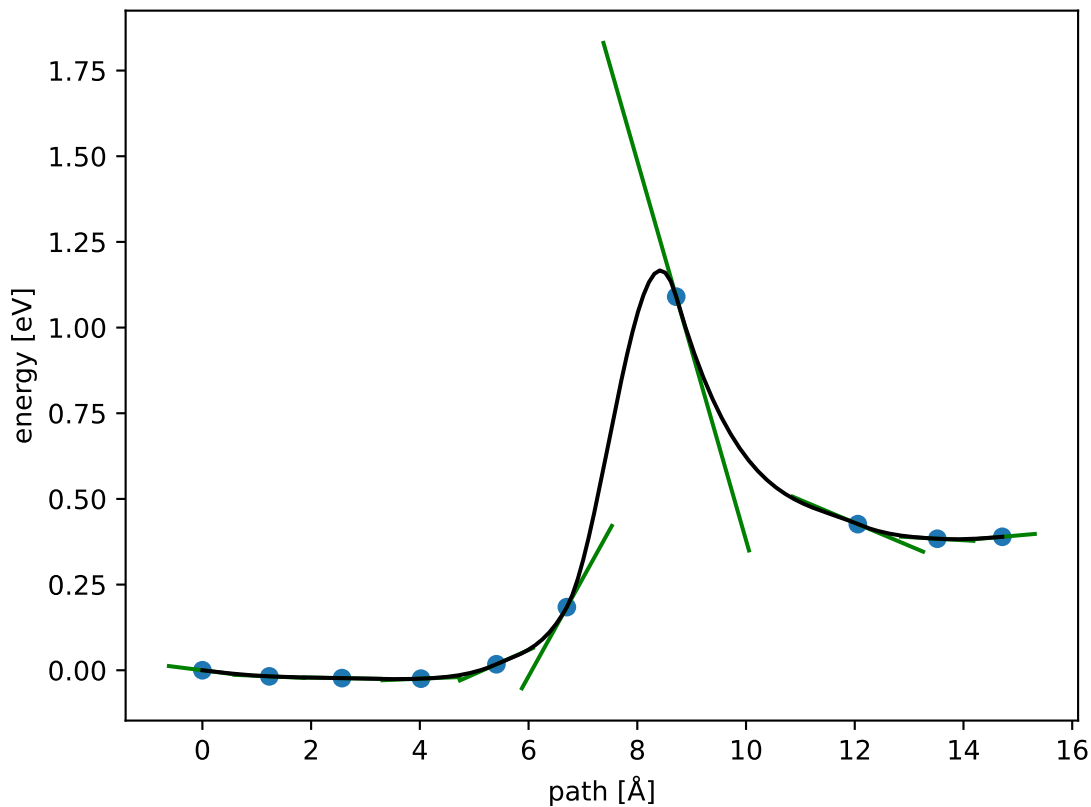
$$E_f \approx 1.089 \text{ eV}; E_r \approx 0.699 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



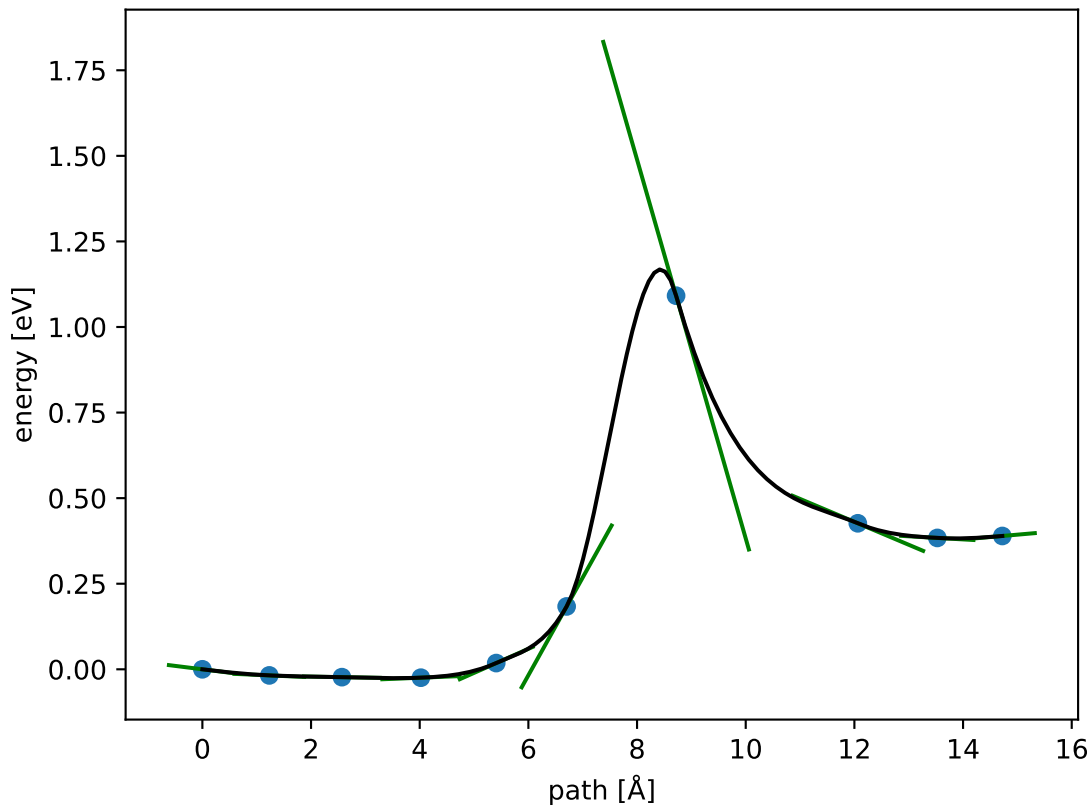
$$E_f \approx 1.089 \text{ eV}; E_r \approx 0.700 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



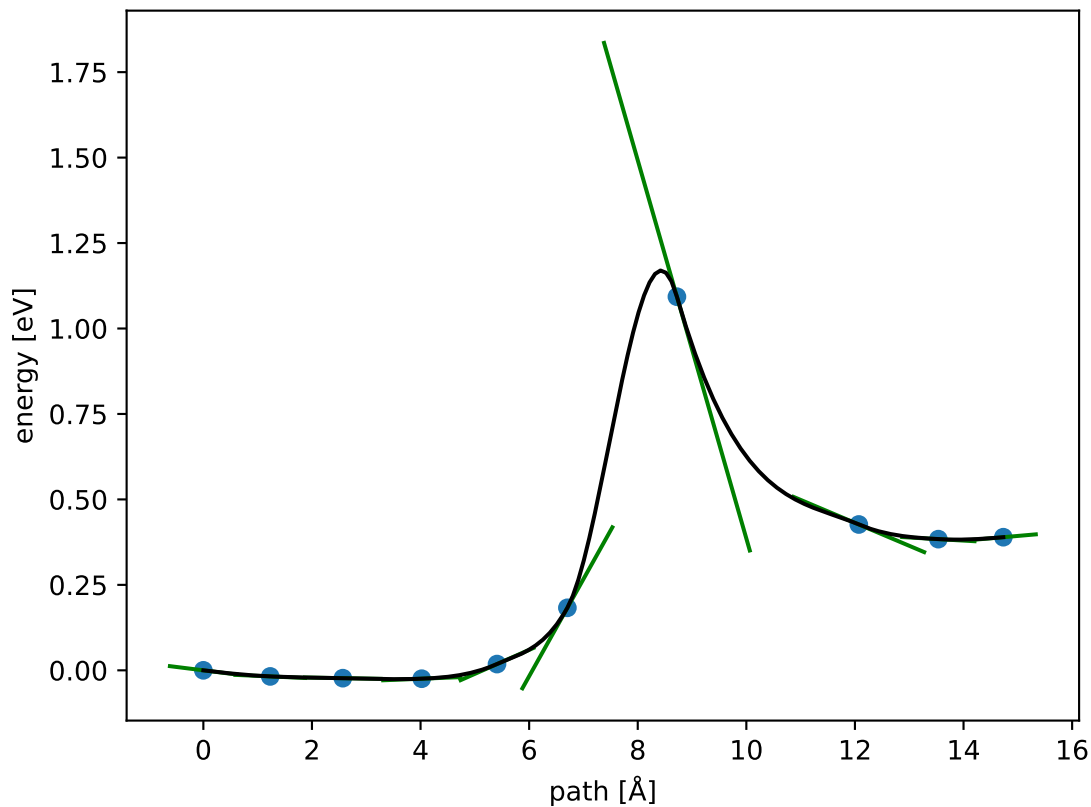
$$E_f \approx 1.090 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



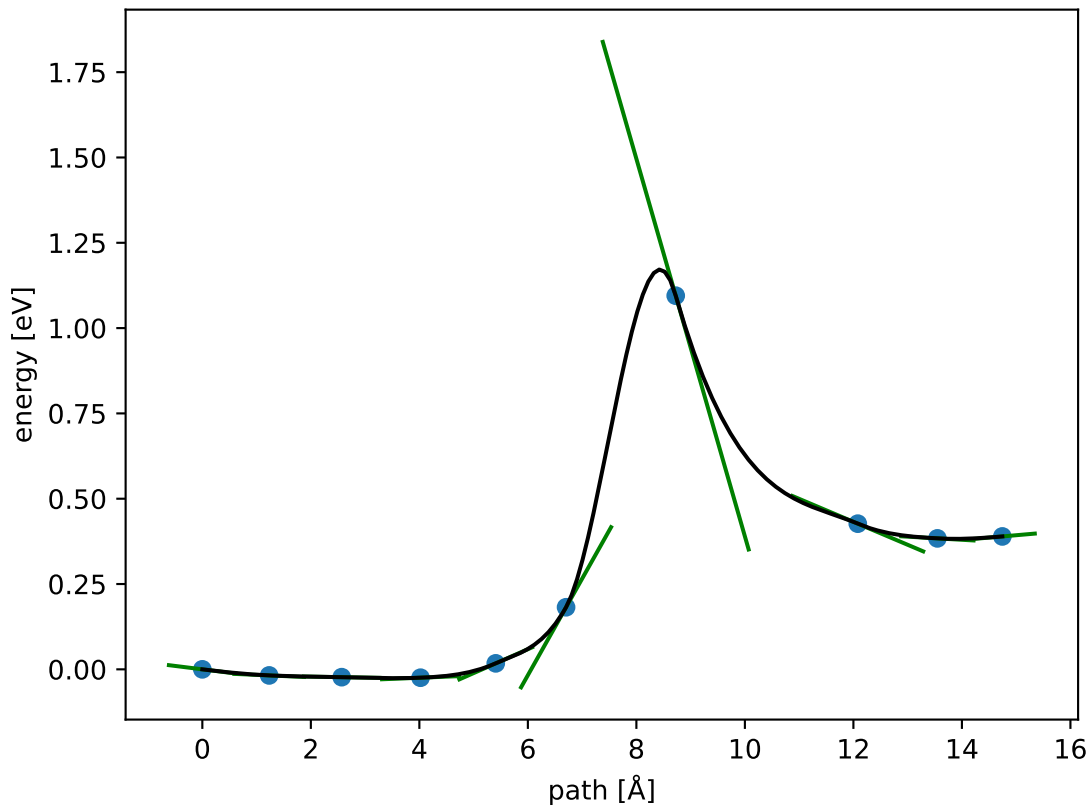
$$E_f \approx 1.091 \text{ eV}; E_r \approx 0.702 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



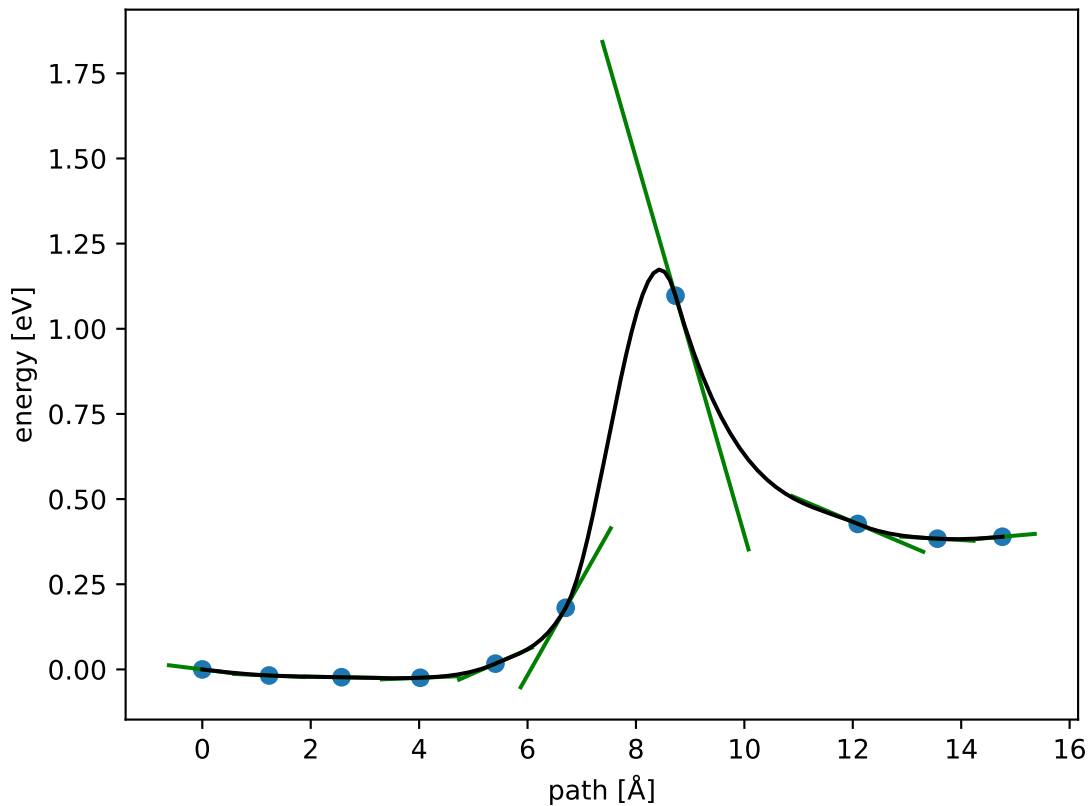
$$E_f \approx 1.093 \text{ eV}; E_r \approx 0.704 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



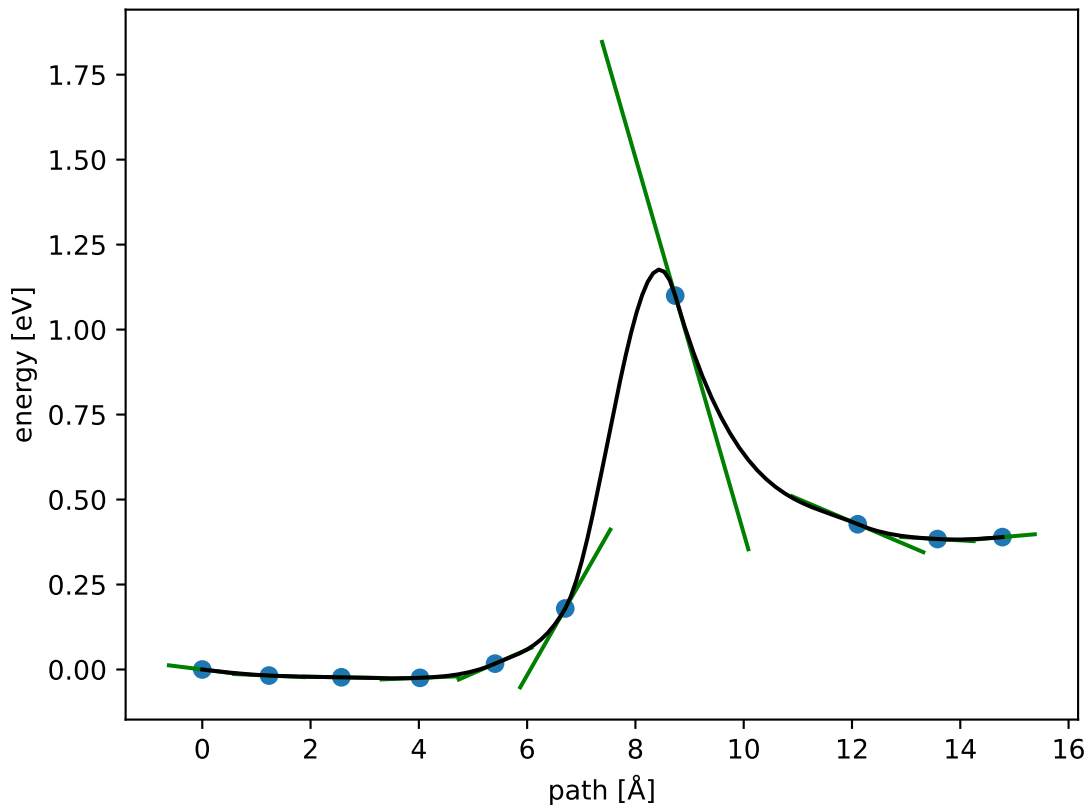
$$E_f \approx 1.095 \text{ eV}; E_r \approx 0.706 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.097 \text{ eV}; E_r \approx 0.708 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

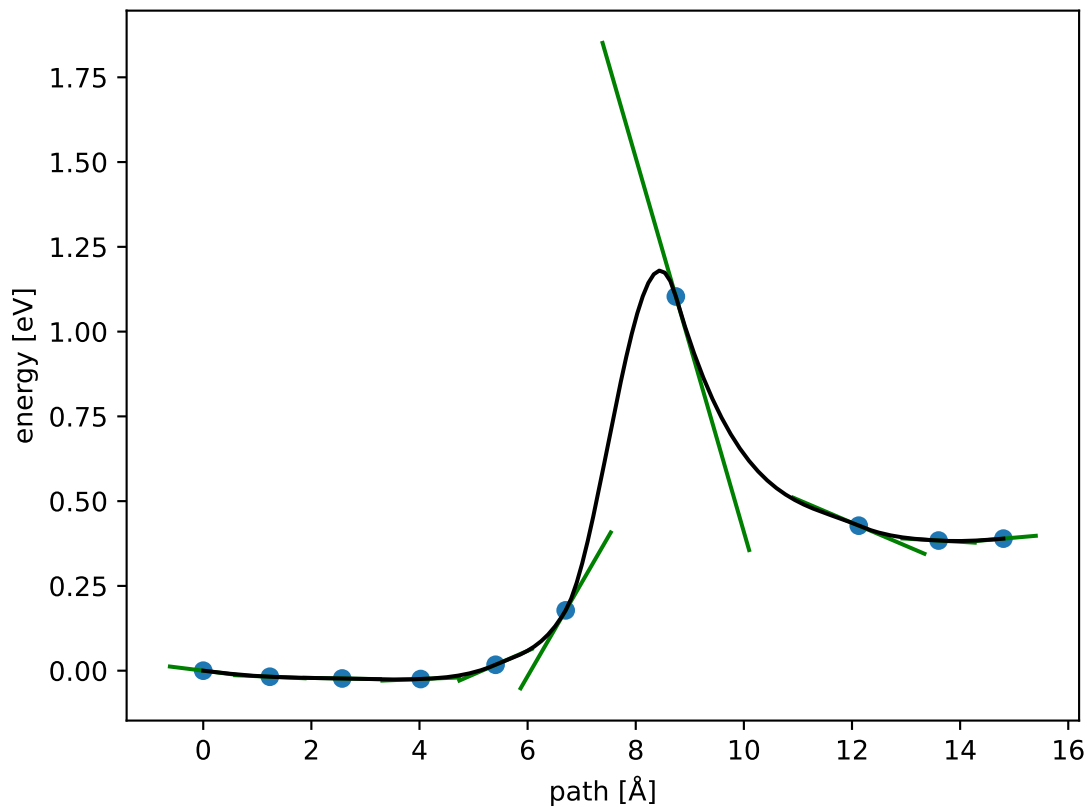


$$E_f \approx 1.100 \text{ eV}; E_r \approx 0.711 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

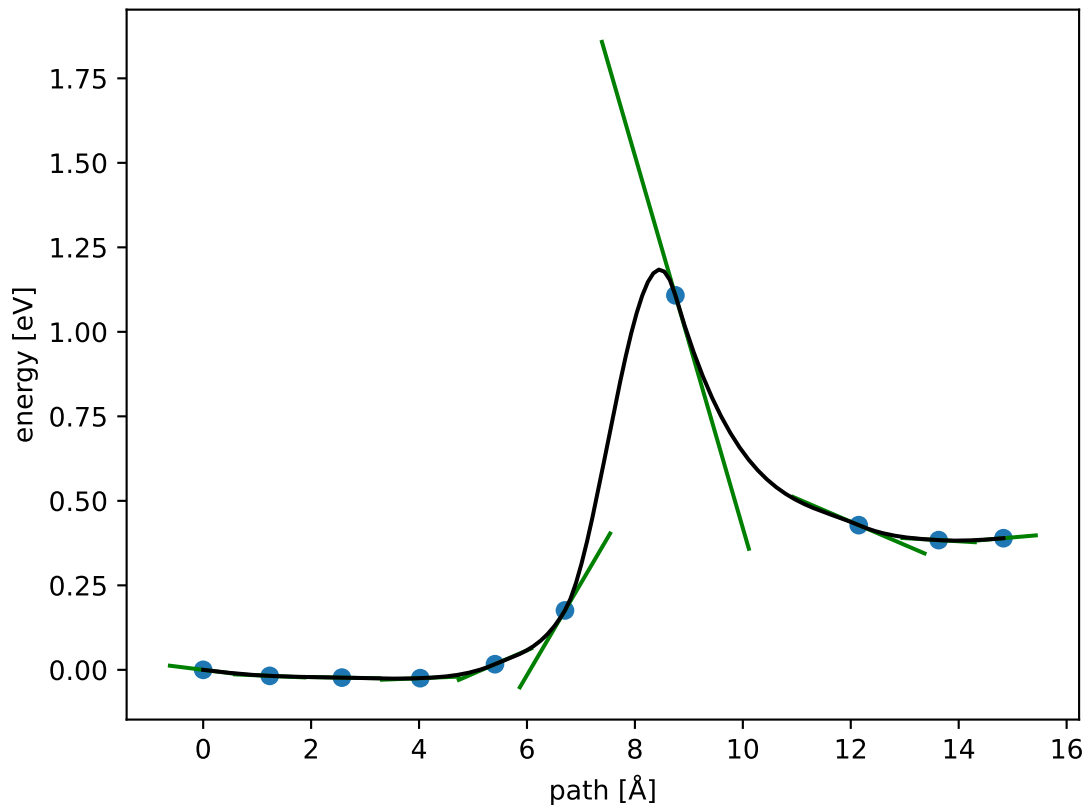




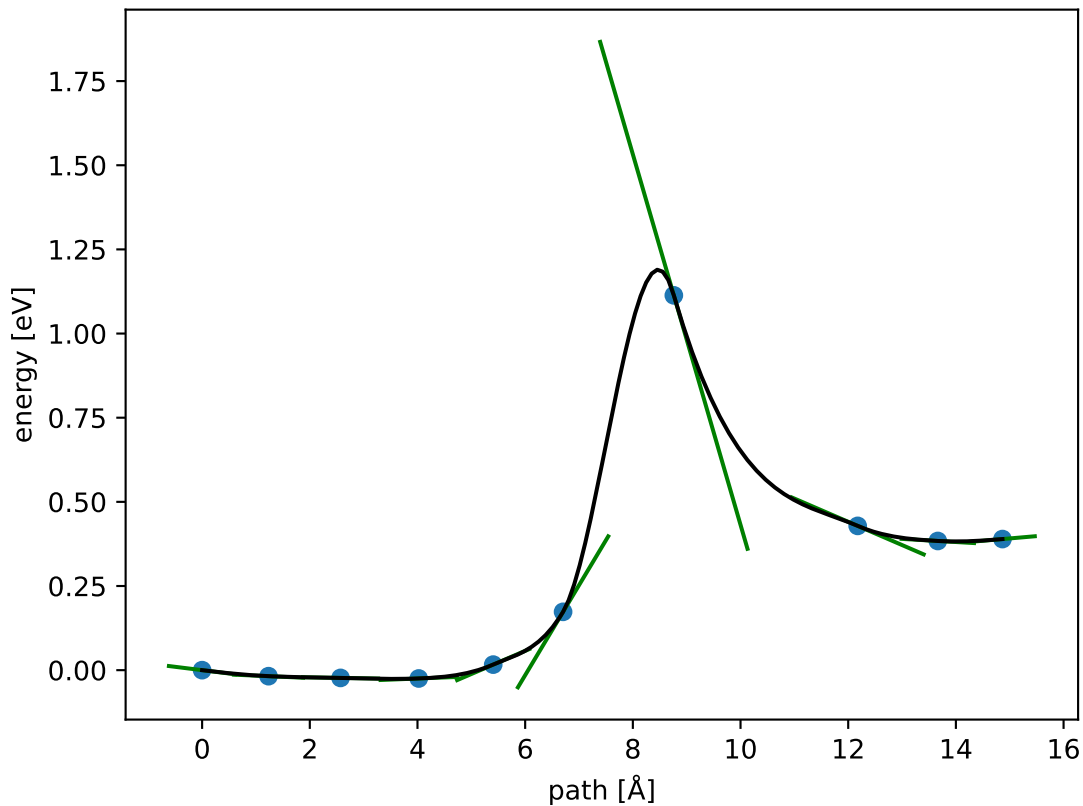
$$E_f \approx 1.104 \text{ eV}; E_r \approx 0.714 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



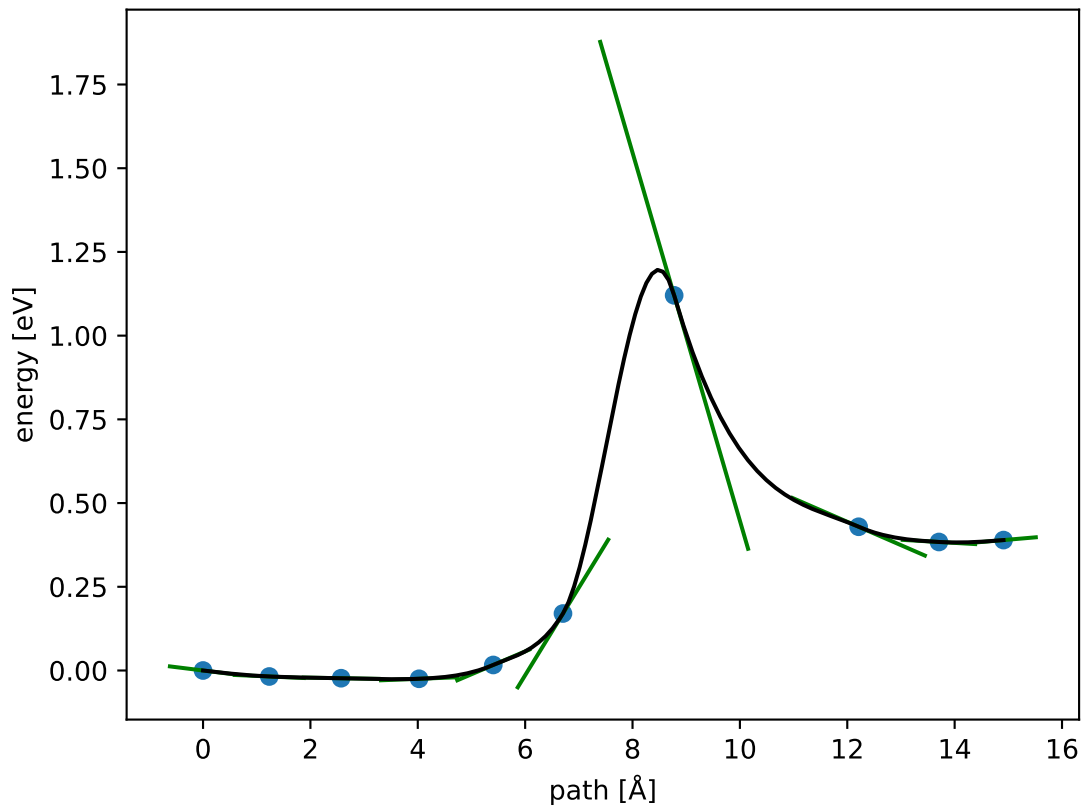
$$E_f \approx 1.108 \text{ eV}; E_r \approx 0.719 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



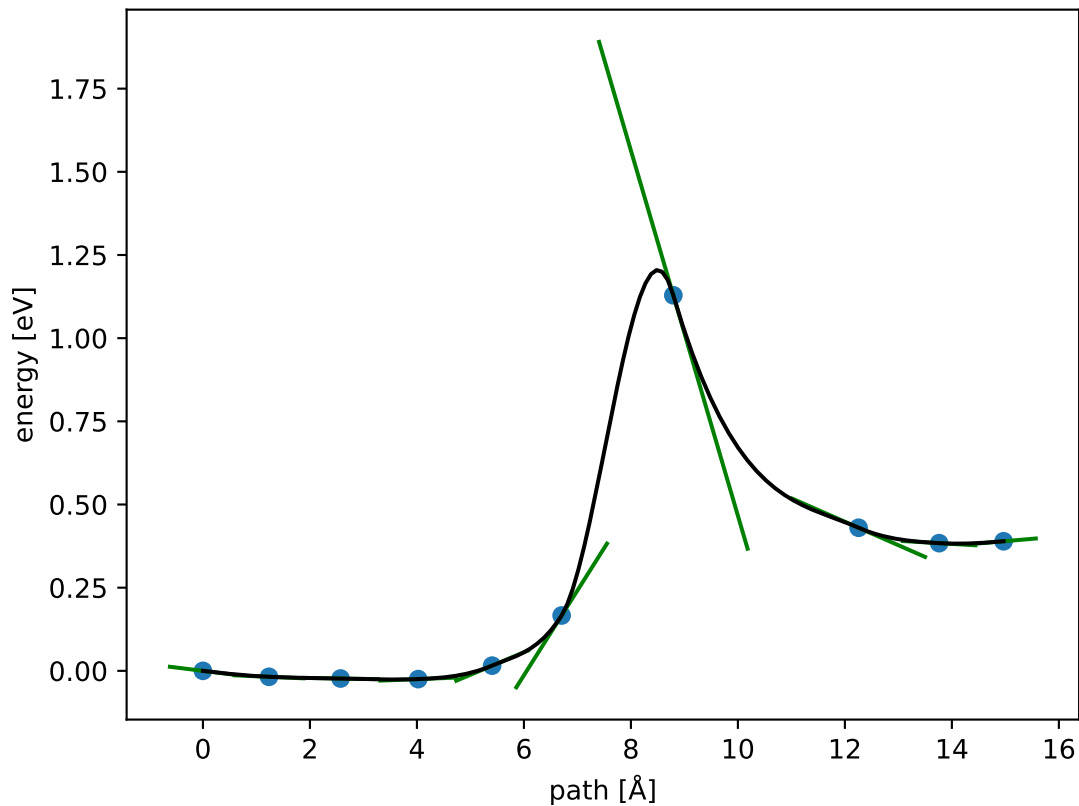
$$E_f \approx 1.113 \text{ eV}; E_r \approx 0.724 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



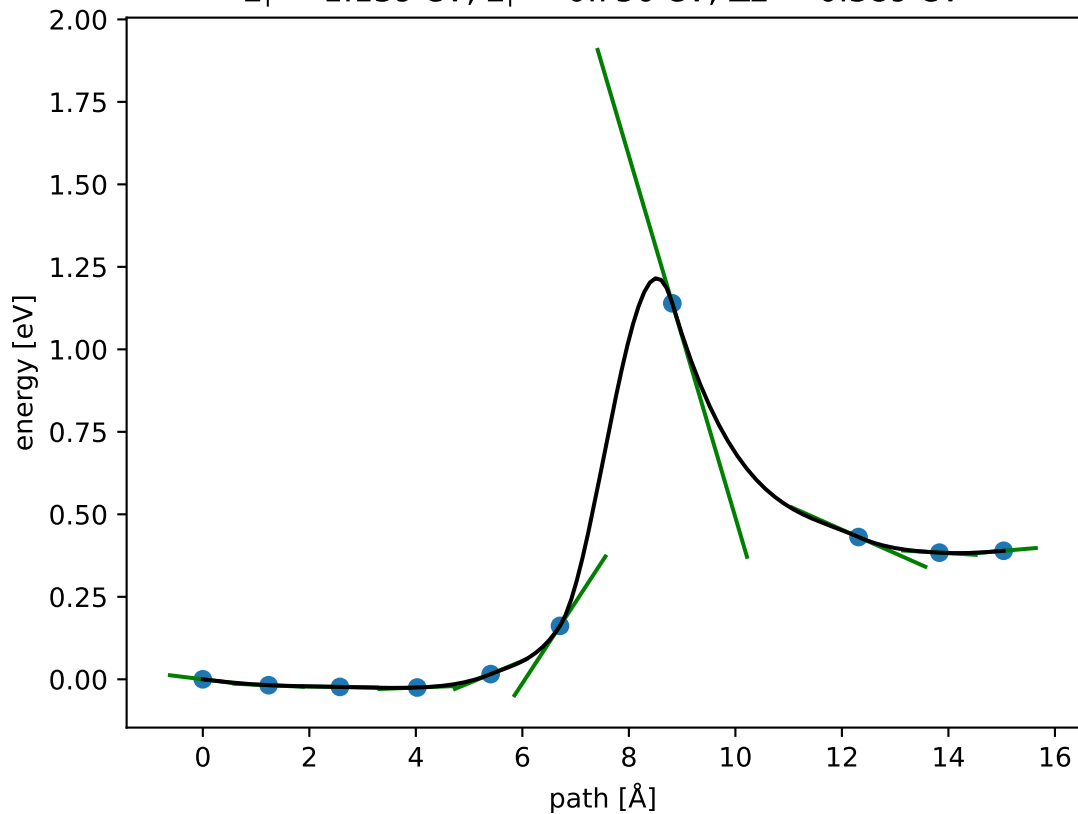
$$E_f \approx 1.120 \text{ eV}; E_r \approx 0.731 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



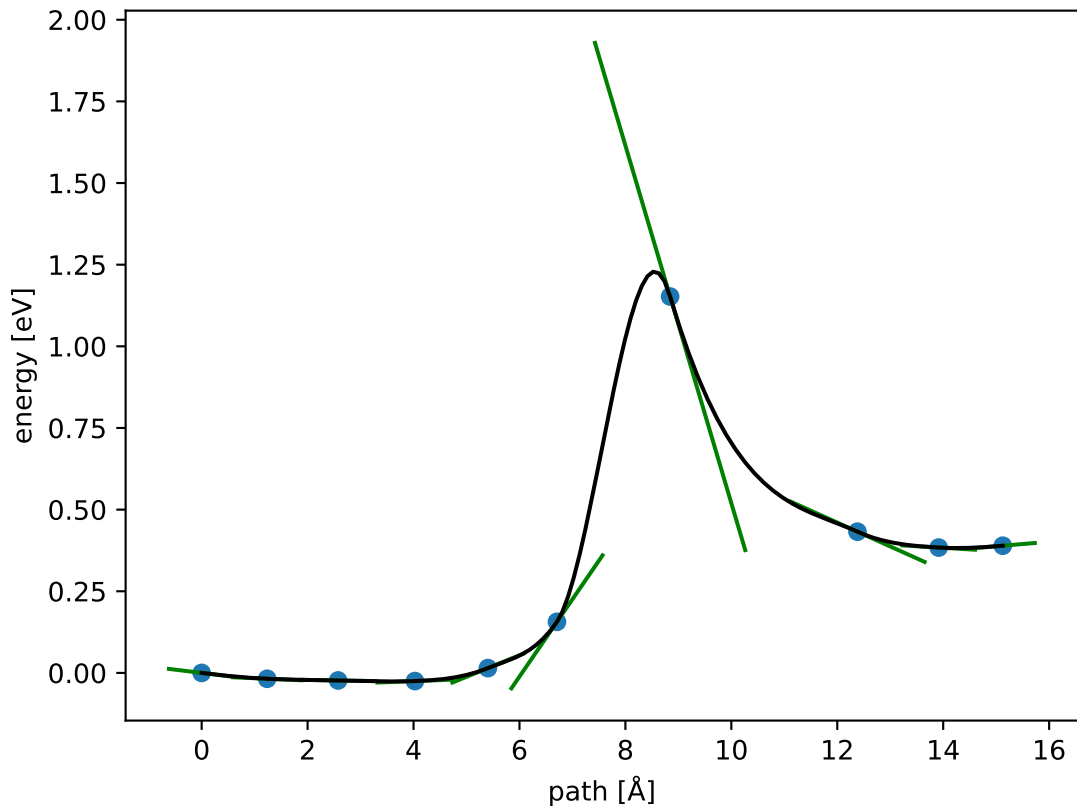
$$E_f \approx 1.129 \text{ eV}; E_r \approx 0.739 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



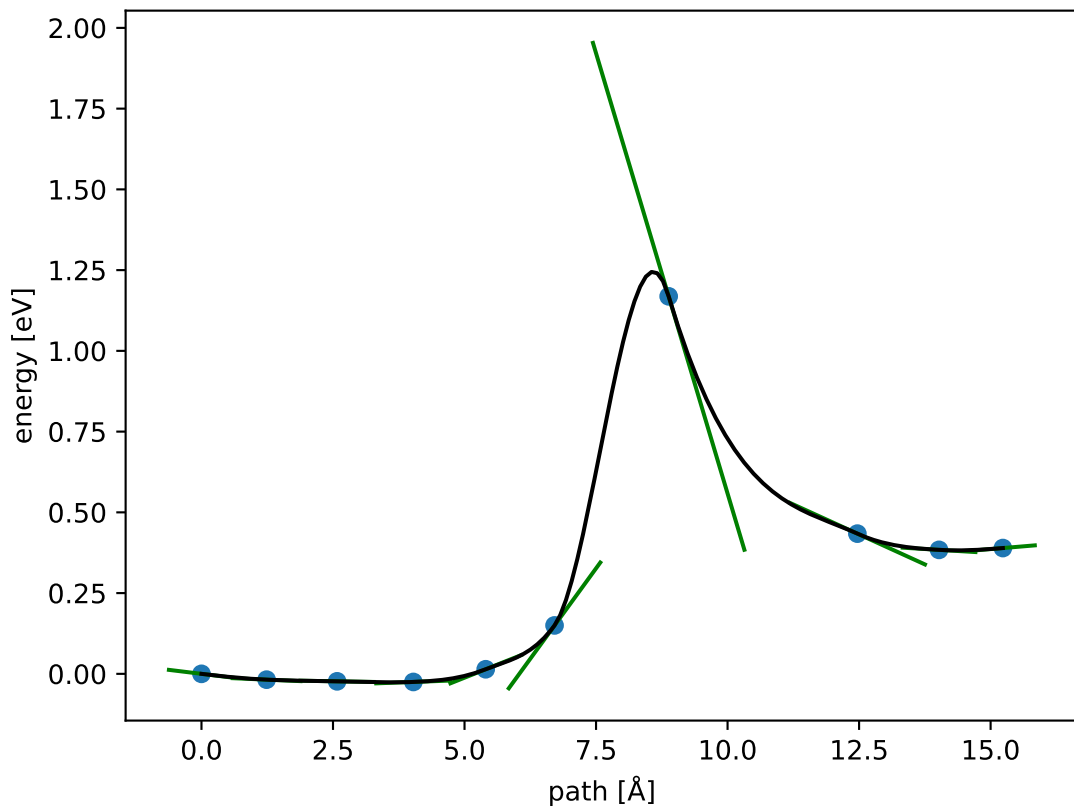
$$E_f \approx 1.139 \text{ eV}; E_r \approx 0.750 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.153 \text{ eV}; E_r \approx 0.763 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

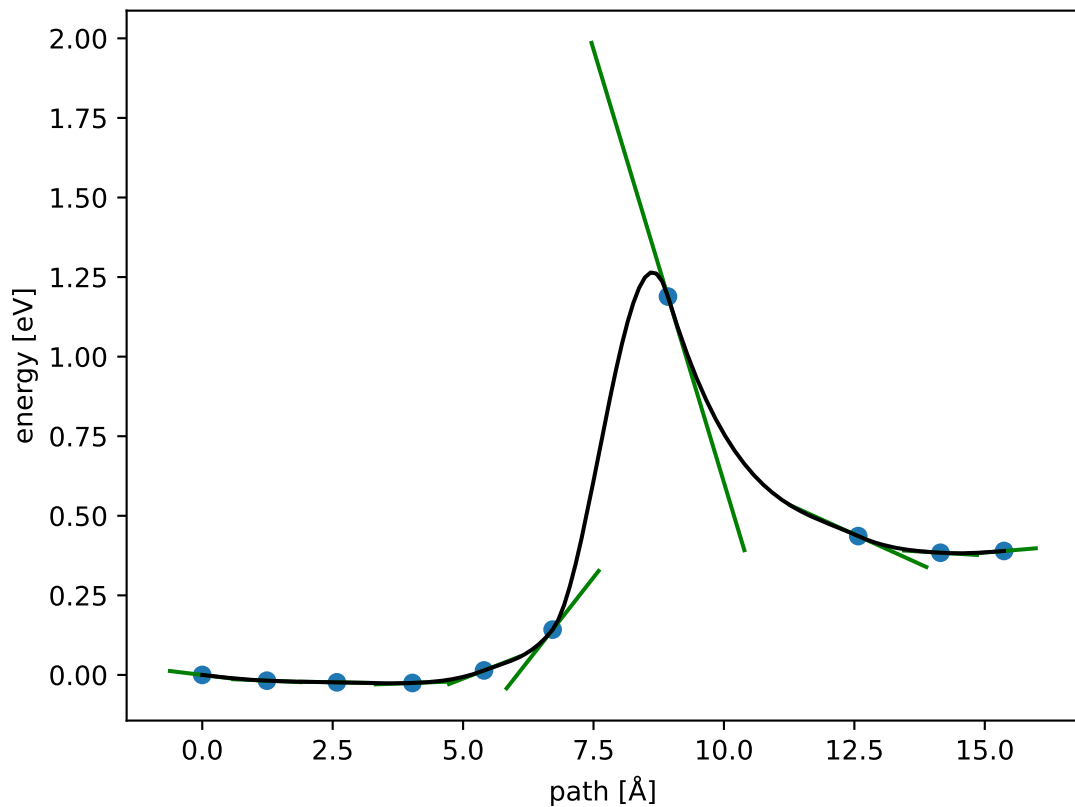


$$E_f \approx 1.169 \text{ eV}; E_r \approx 0.779 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

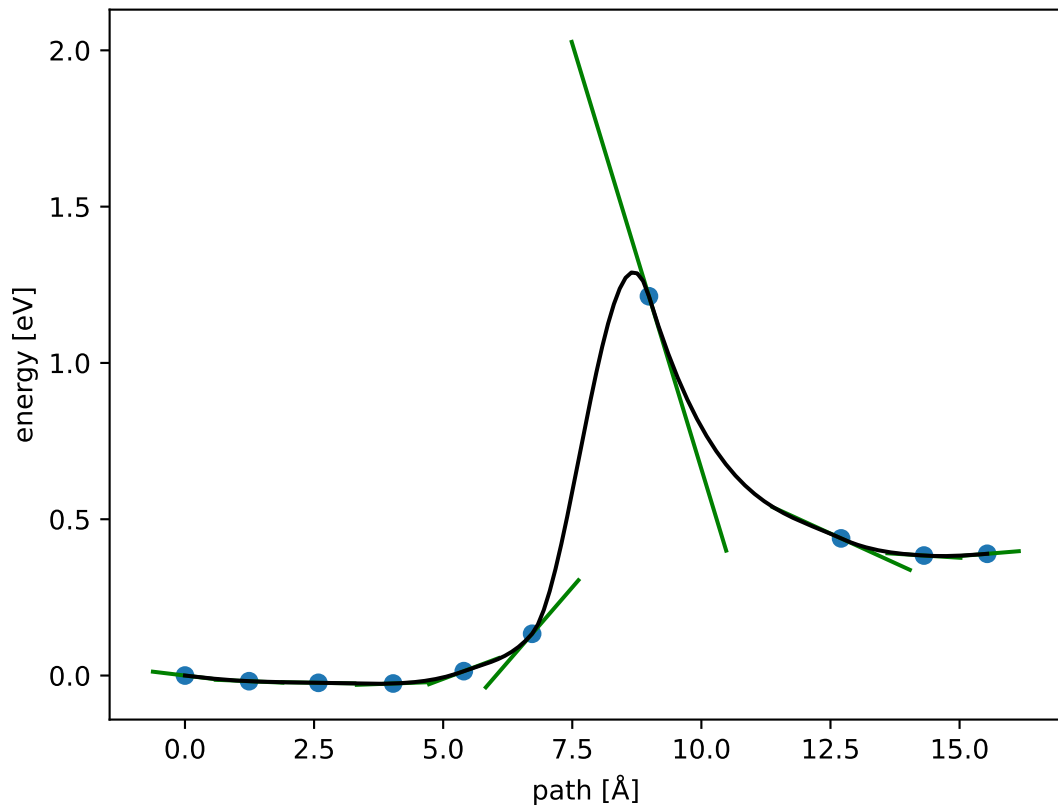




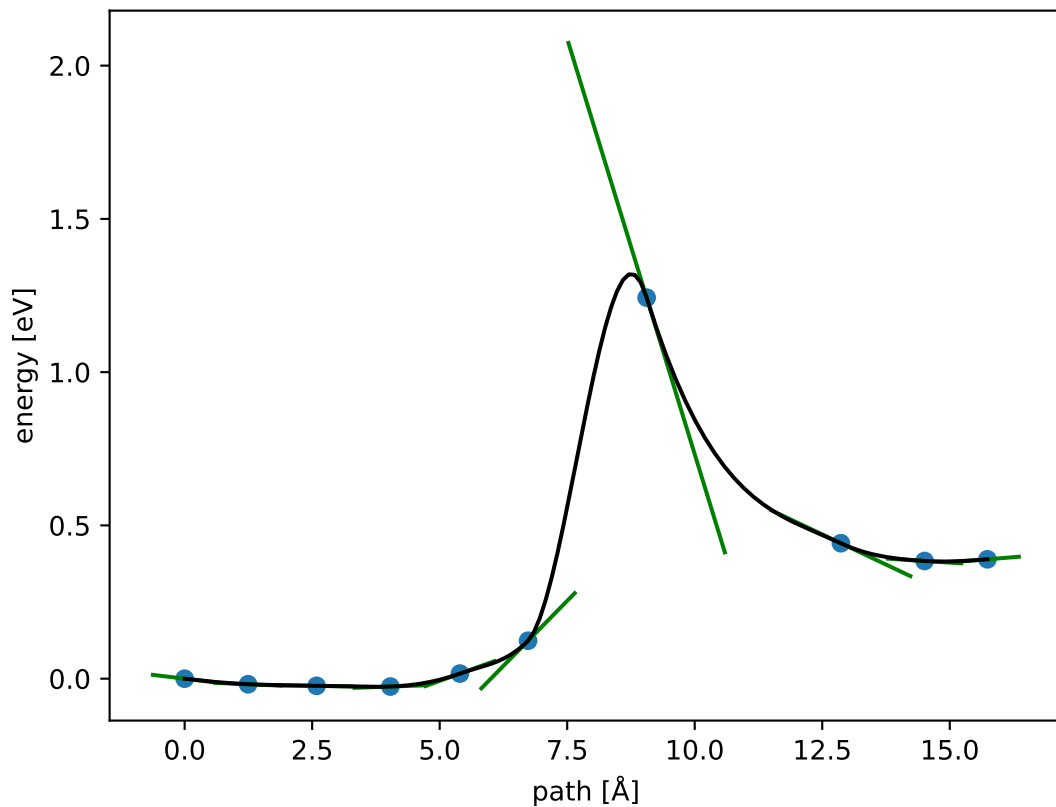
$$E_f \approx 1.189 \text{ eV}; E_r \approx 0.799 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



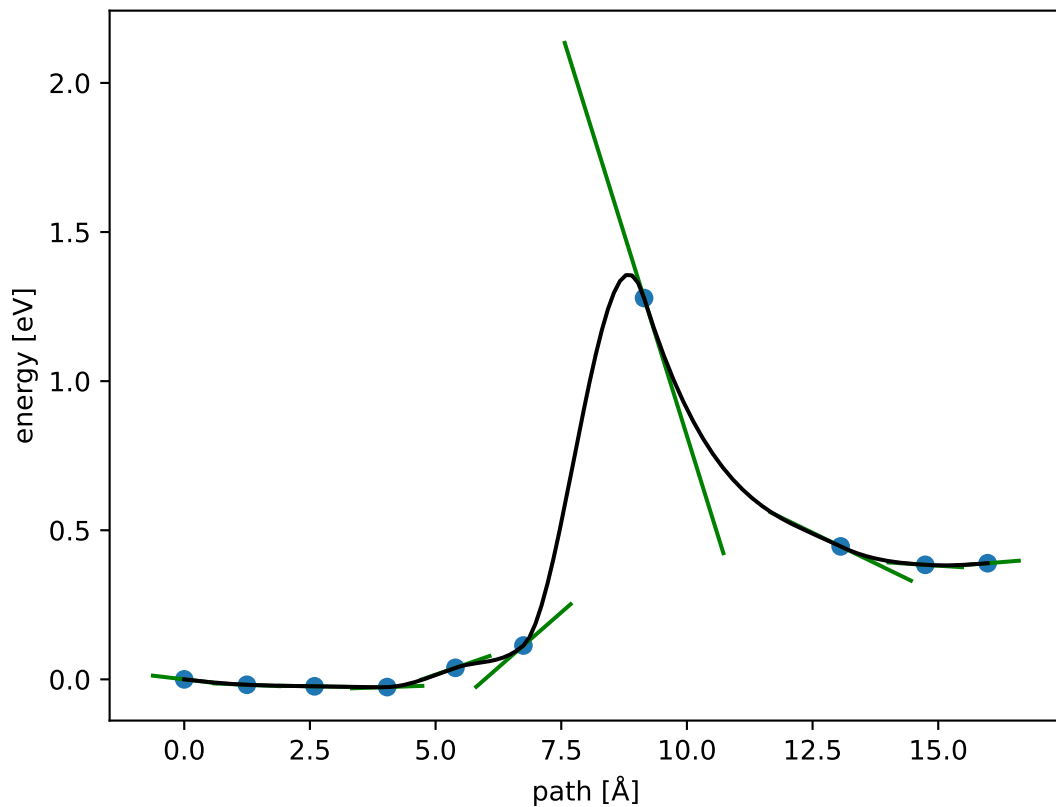
$$E_f \approx 1.213 \text{ eV}; E_r \approx 0.824 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



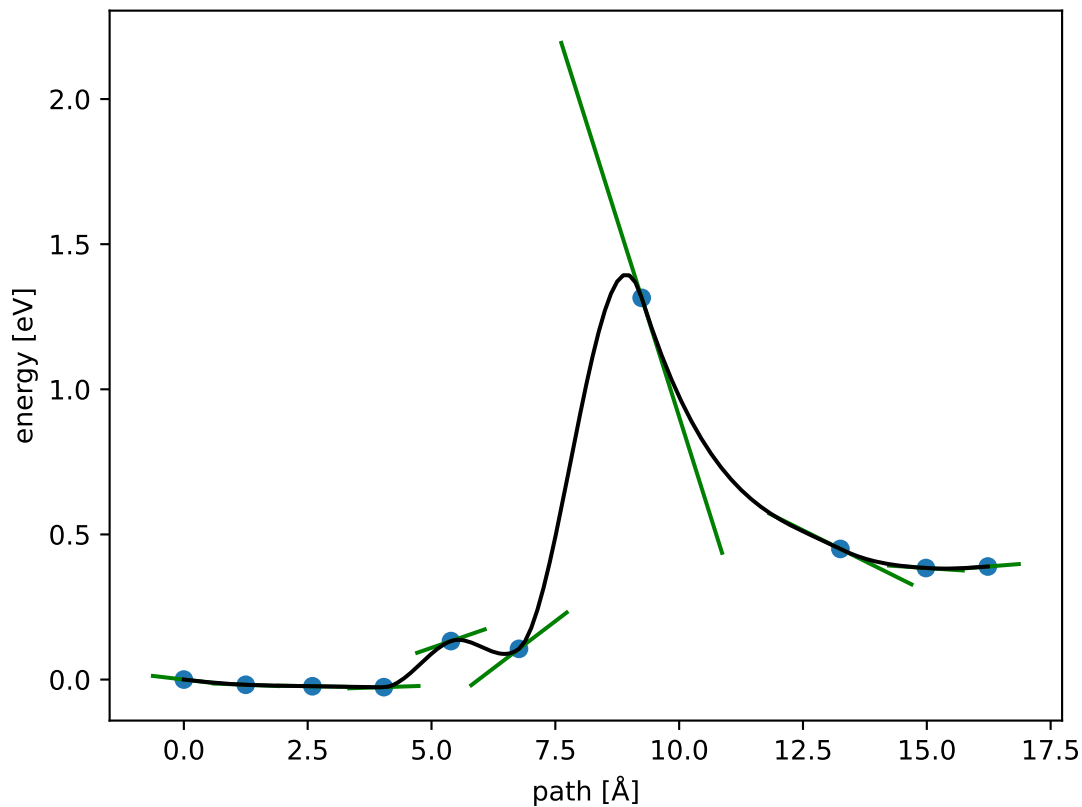
$$E_f \approx 1.243 \text{ eV}; E_r \approx 0.854 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



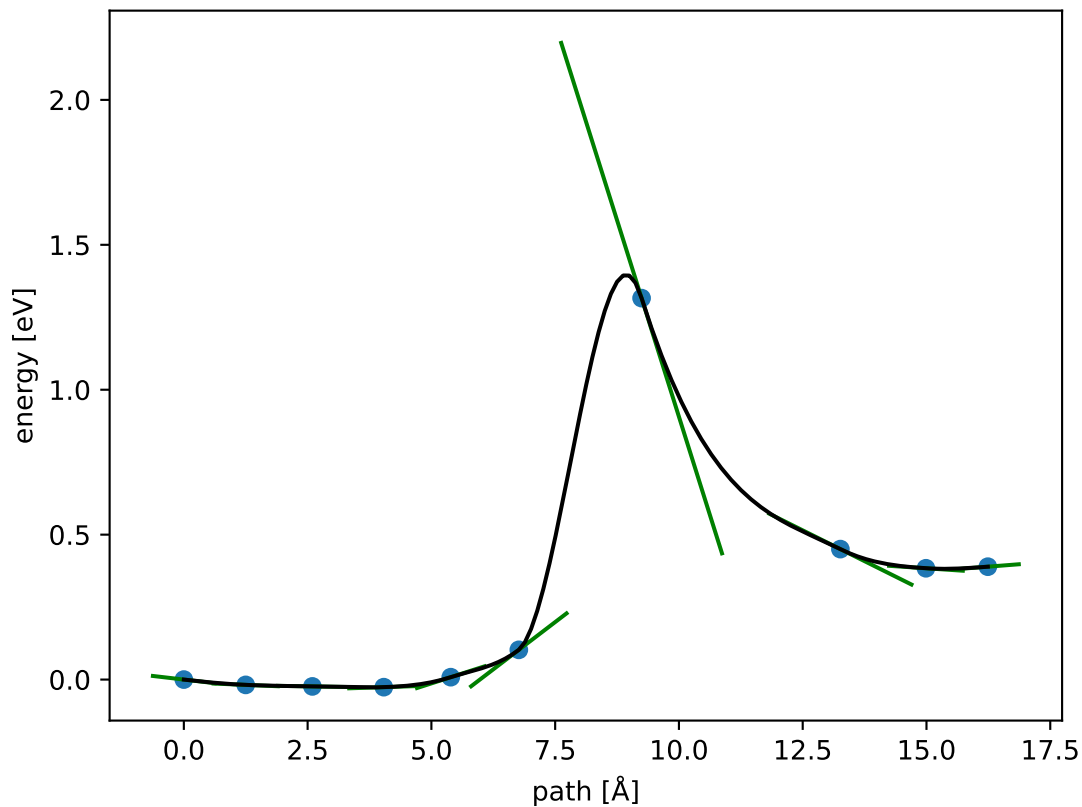
$$E_f \approx 1.279 \text{ eV}; E_r \approx 0.889 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



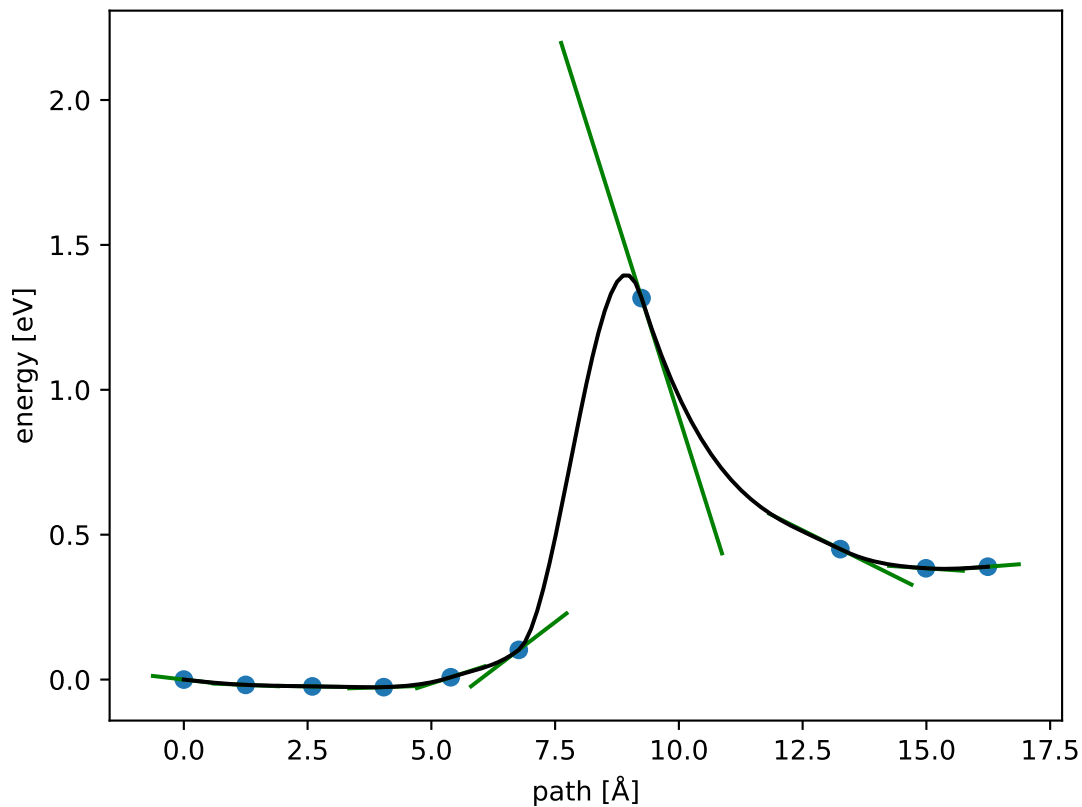
$$E_f \approx 1.315 \text{ eV}; E_r \approx 0.926 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



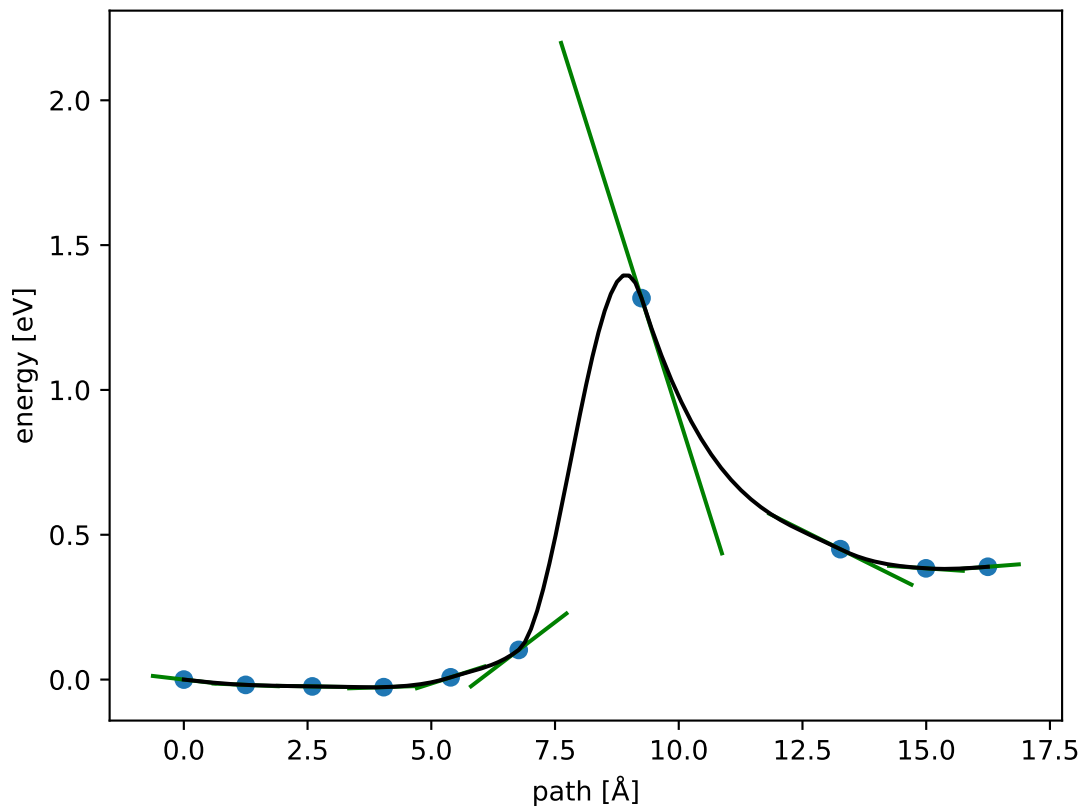
$$E_f \approx 1.316 \text{ eV}; E_r \approx 0.927 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.316 \text{ eV}; E_r \approx 0.927 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

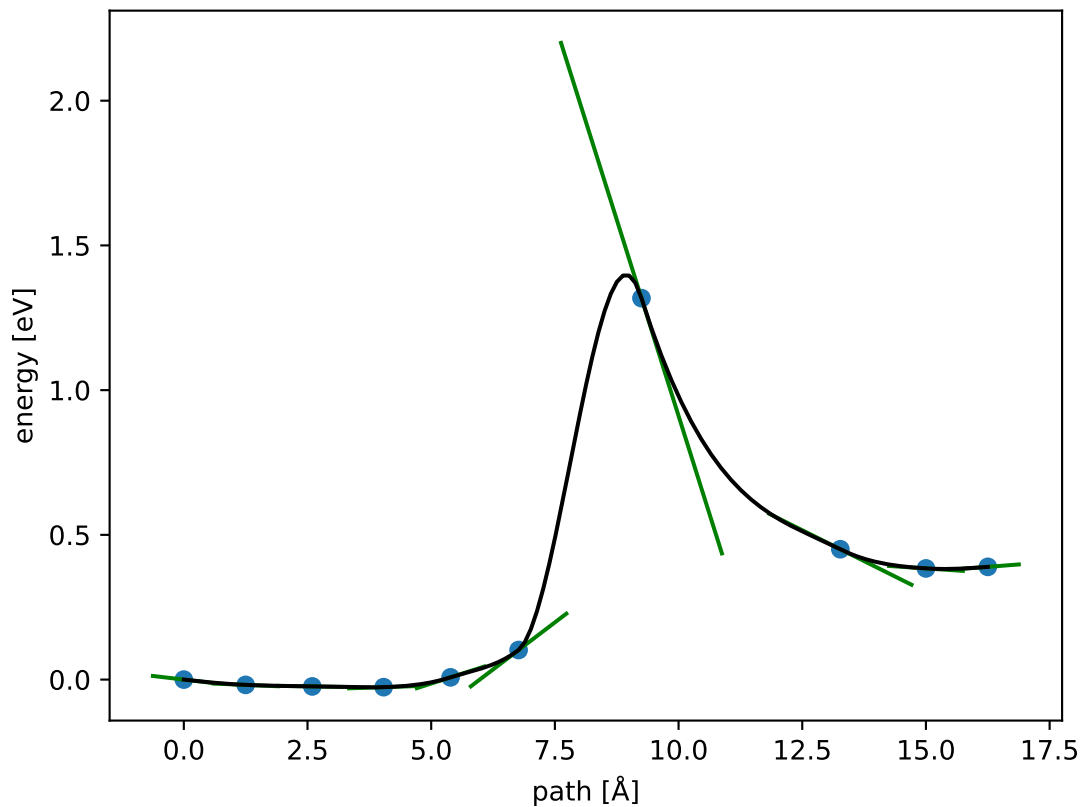


$$E_f \approx 1.317 \text{ eV}; E_r \approx 0.927 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

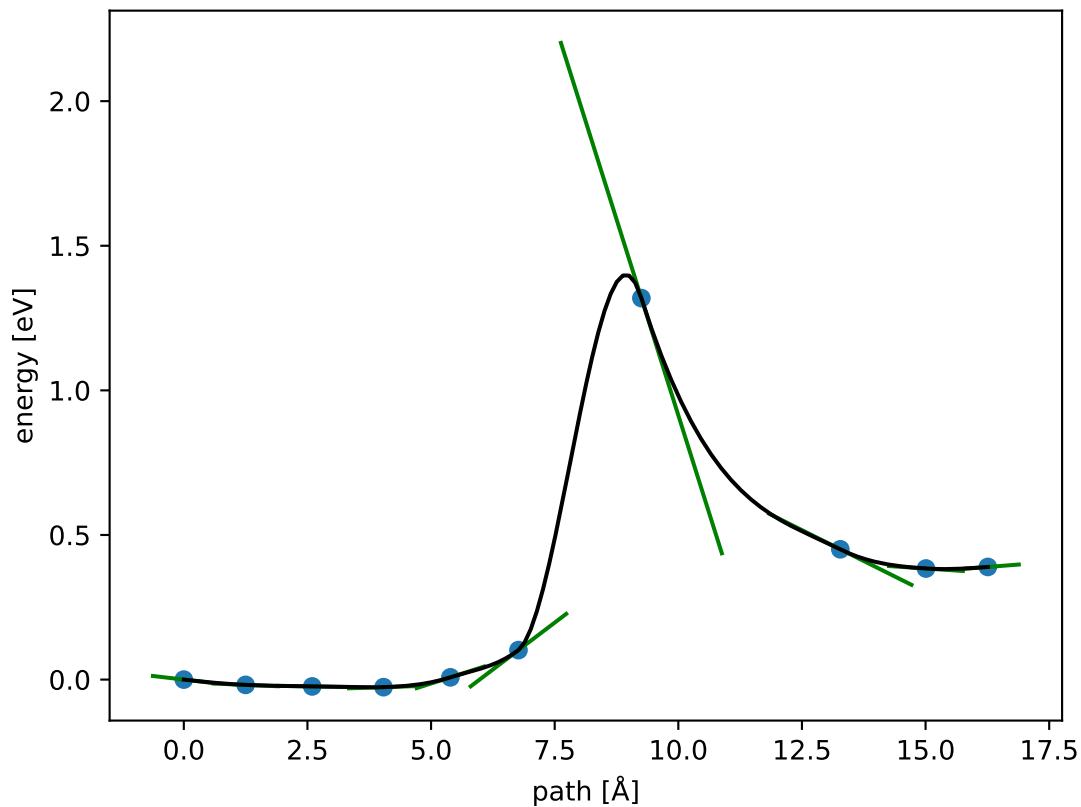




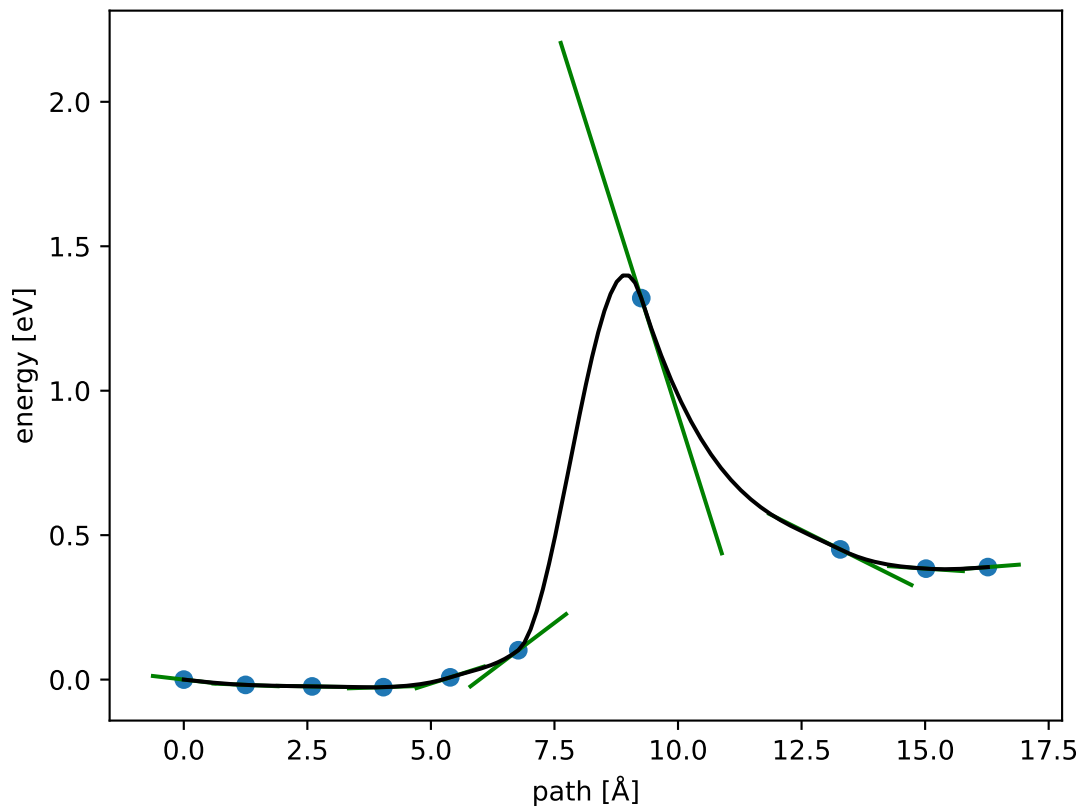
$$E_f \approx 1.318 \text{ eV}; E_r \approx 0.928 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



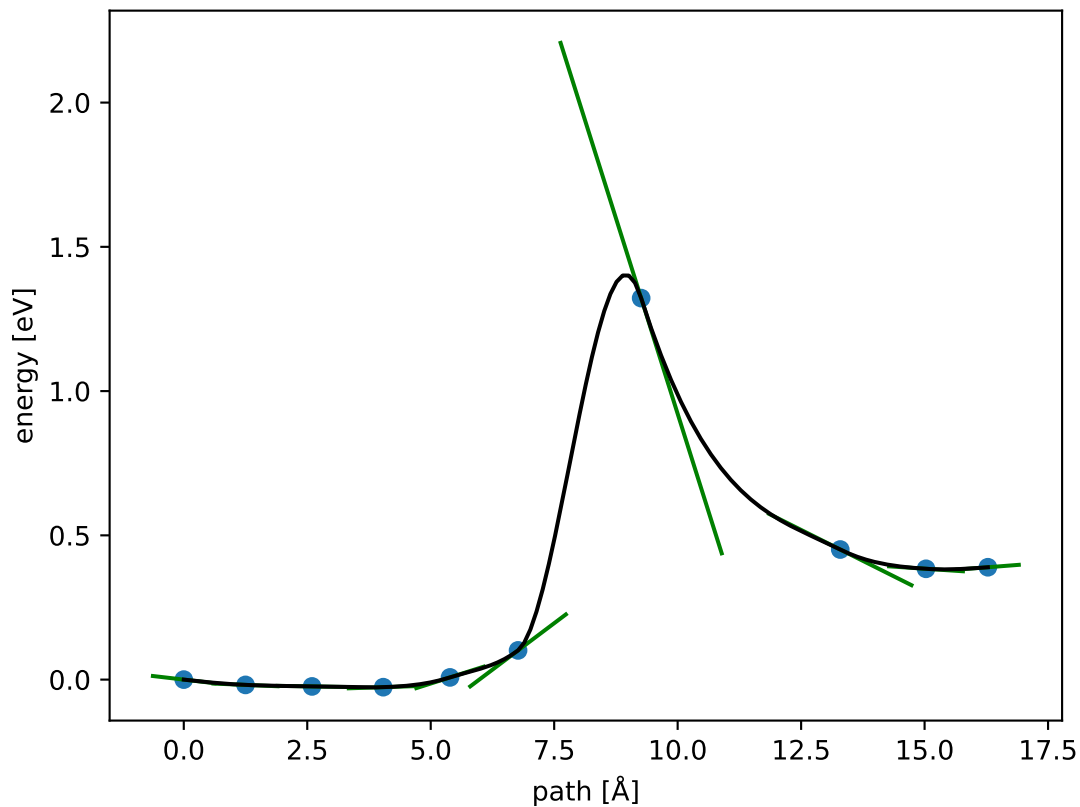
$$E_f \approx 1.319 \text{ eV}; E_r \approx 0.930 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



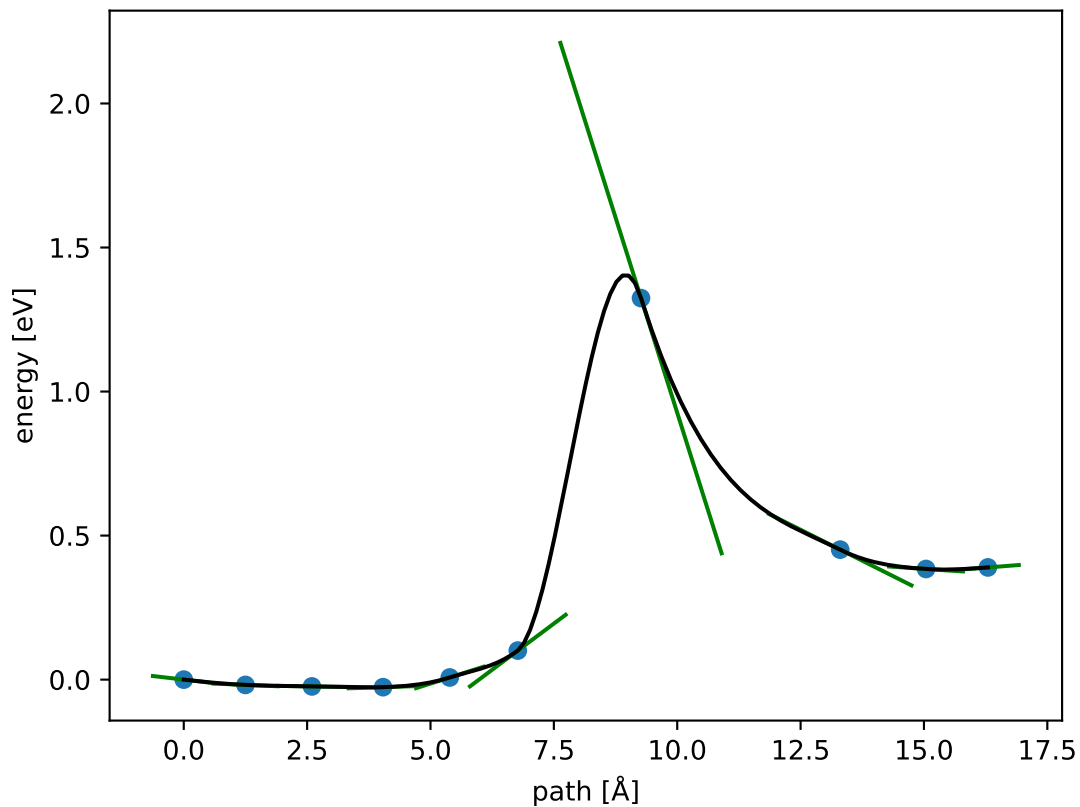
$$E_f \approx 1.321 \text{ eV}; E_r \approx 0.931 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



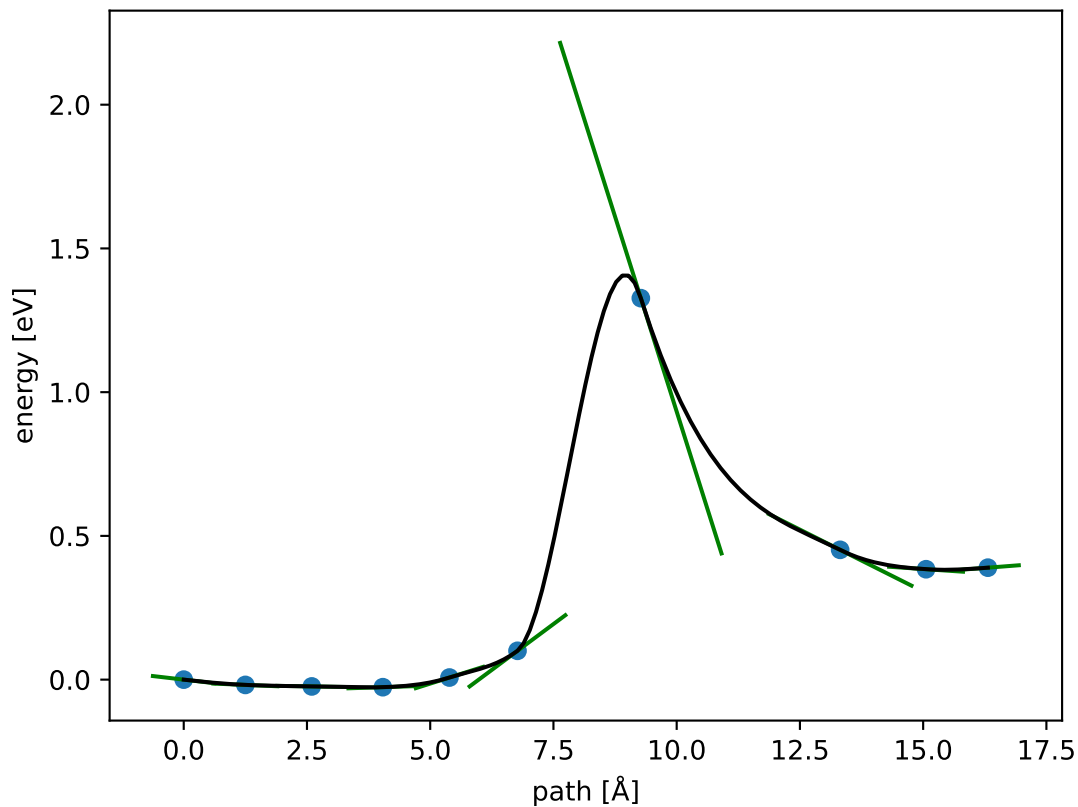
$$E_f \approx 1.322 \text{ eV}; E_r \approx 0.933 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



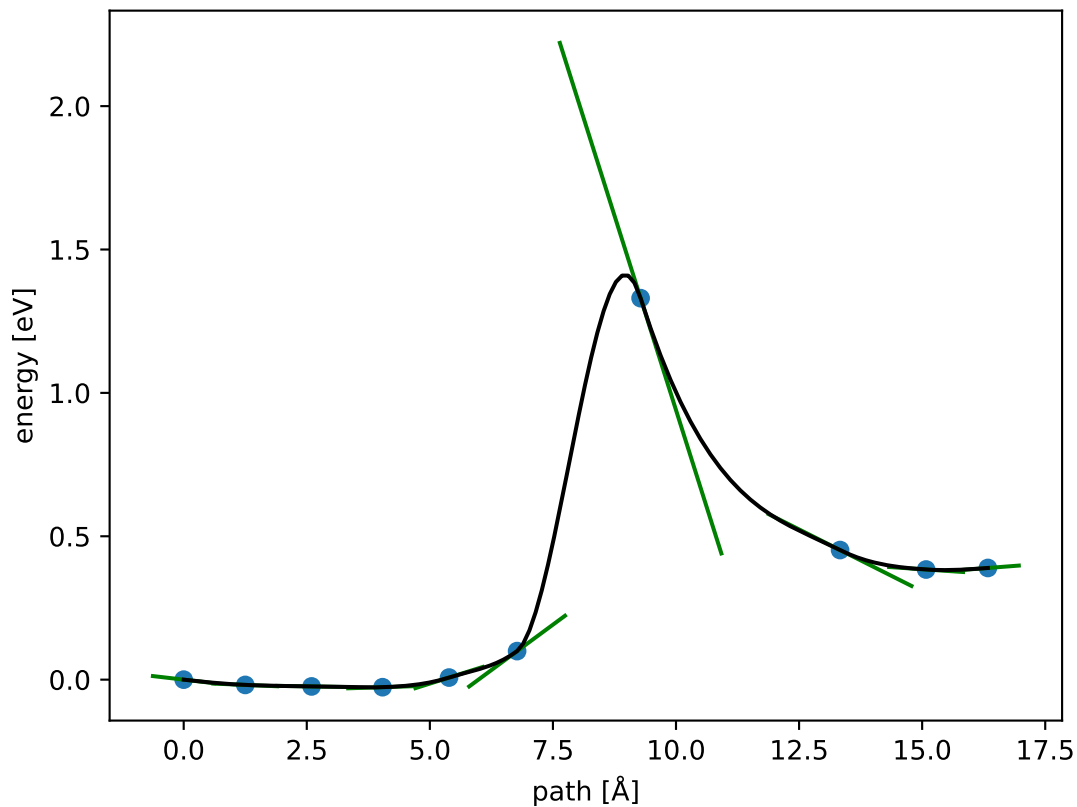
$$E_f \approx 1.324 \text{ eV}; E_r \approx 0.935 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



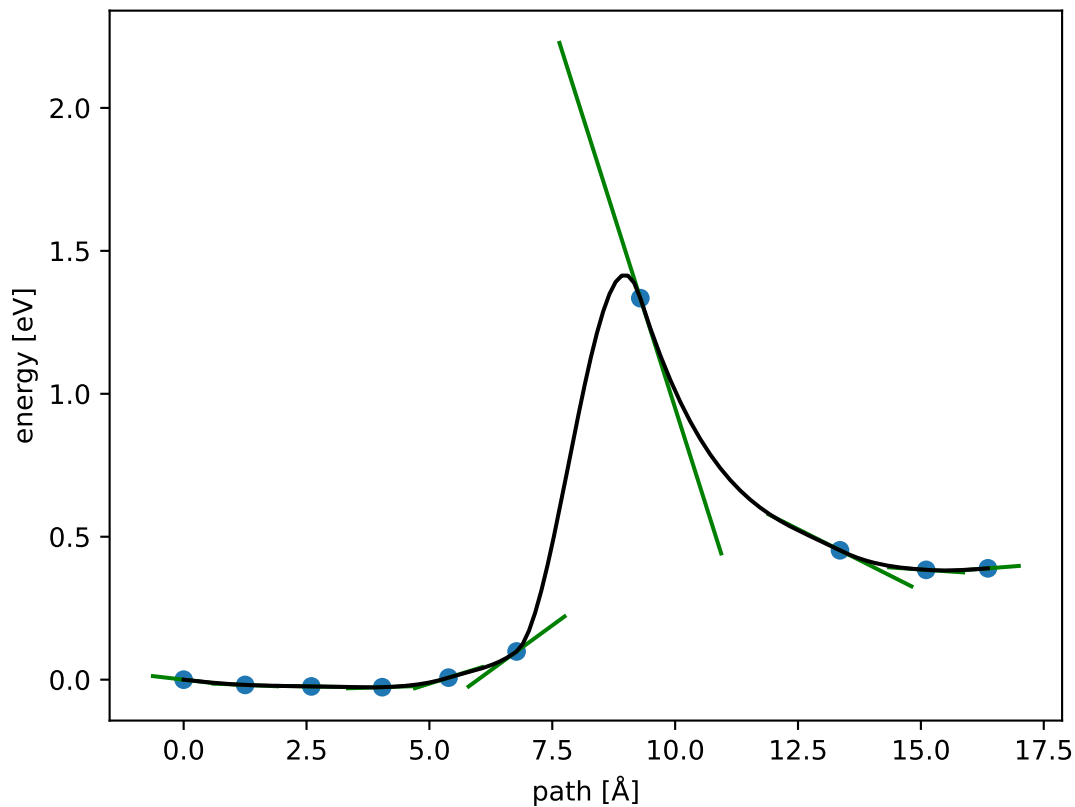
$$E_f \approx 1.327 \text{ eV}; E_r \approx 0.938 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.330 \text{ eV}; E_r \approx 0.941 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

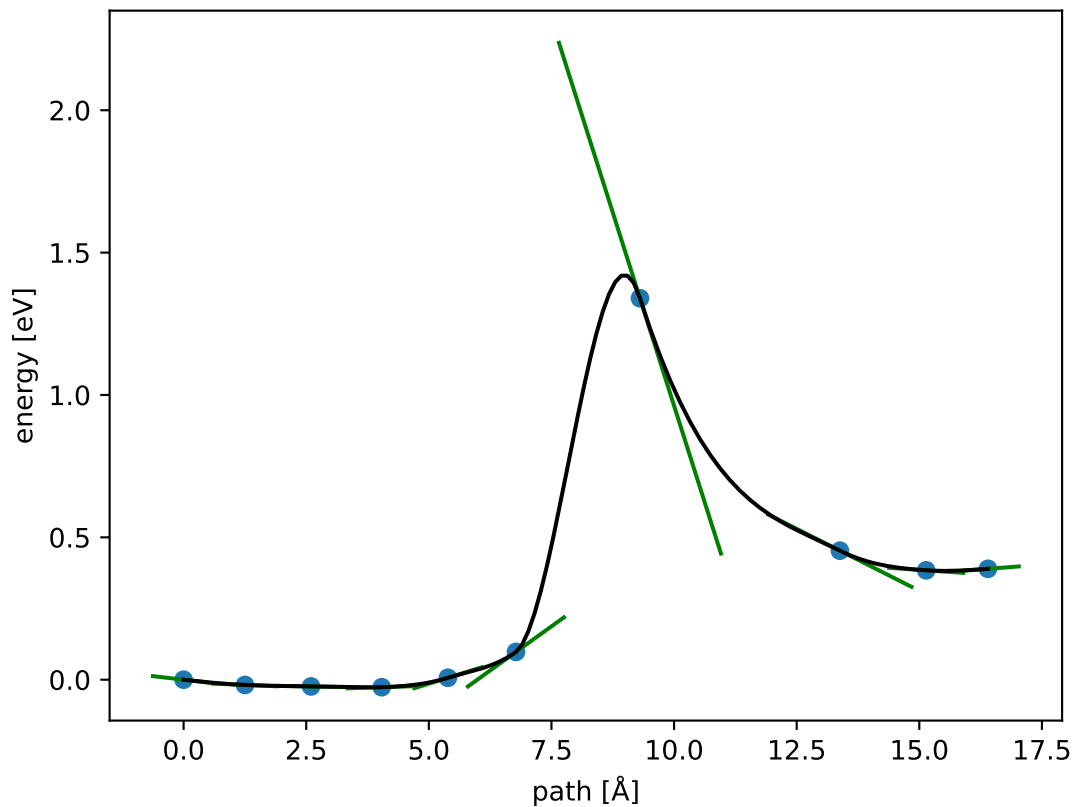


$$E_f \approx 1.335 \text{ eV}; E_r \approx 0.945 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

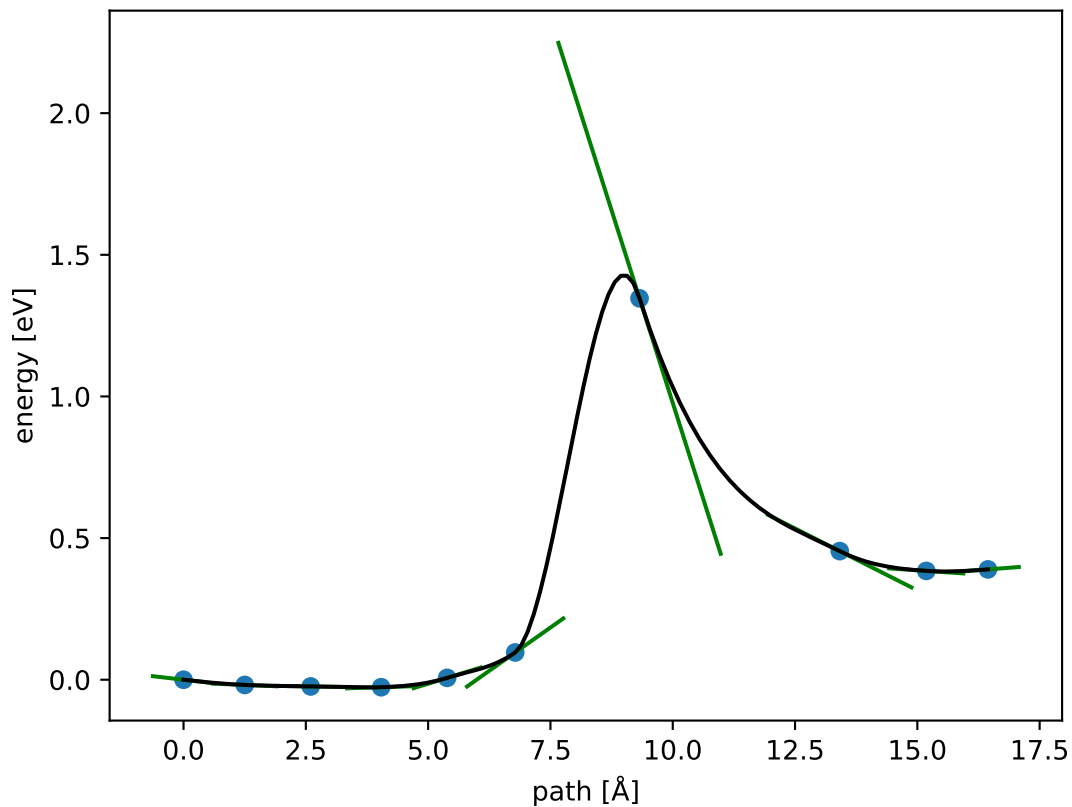




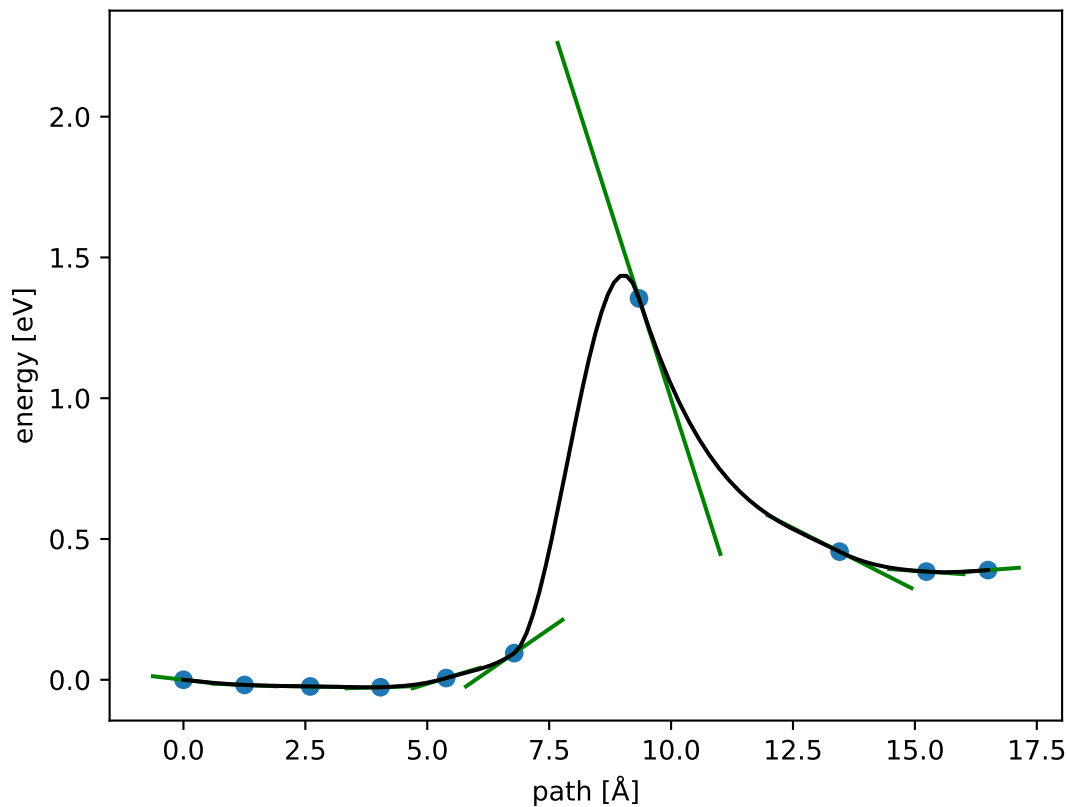
$$E_f \approx 1.340 \text{ eV}; E_r \approx 0.950 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



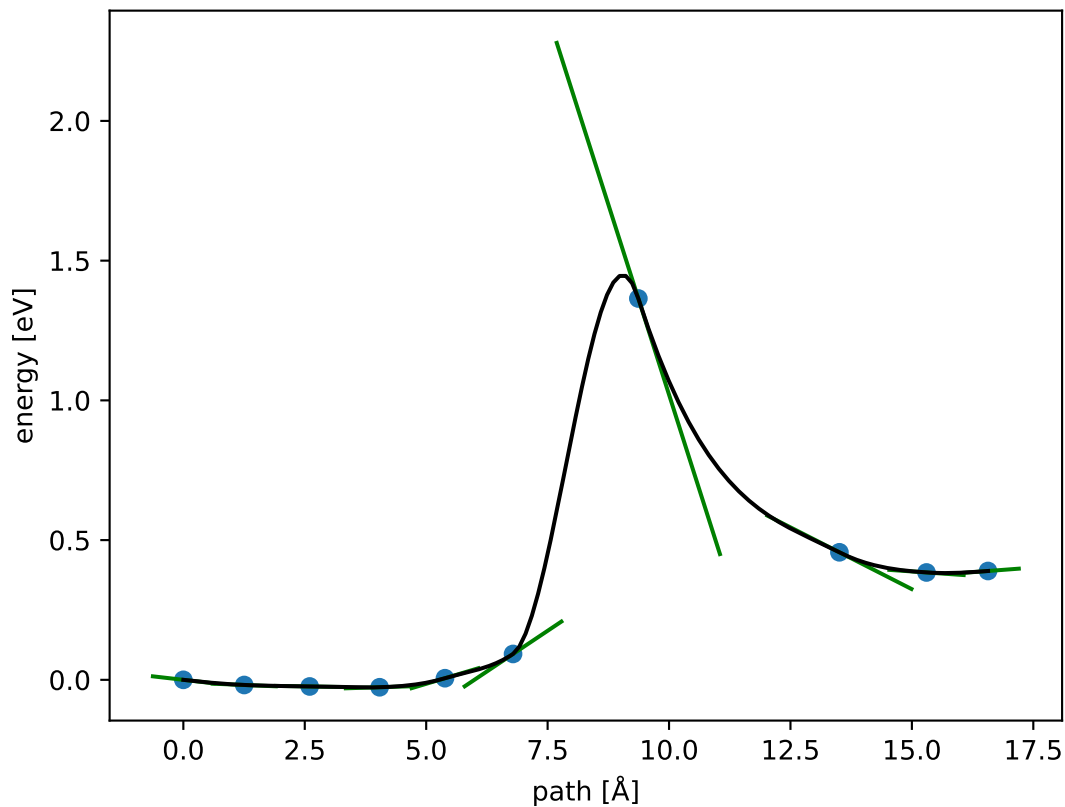
$$E_f \approx 1.346 \text{ eV}; E_r \approx 0.957 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



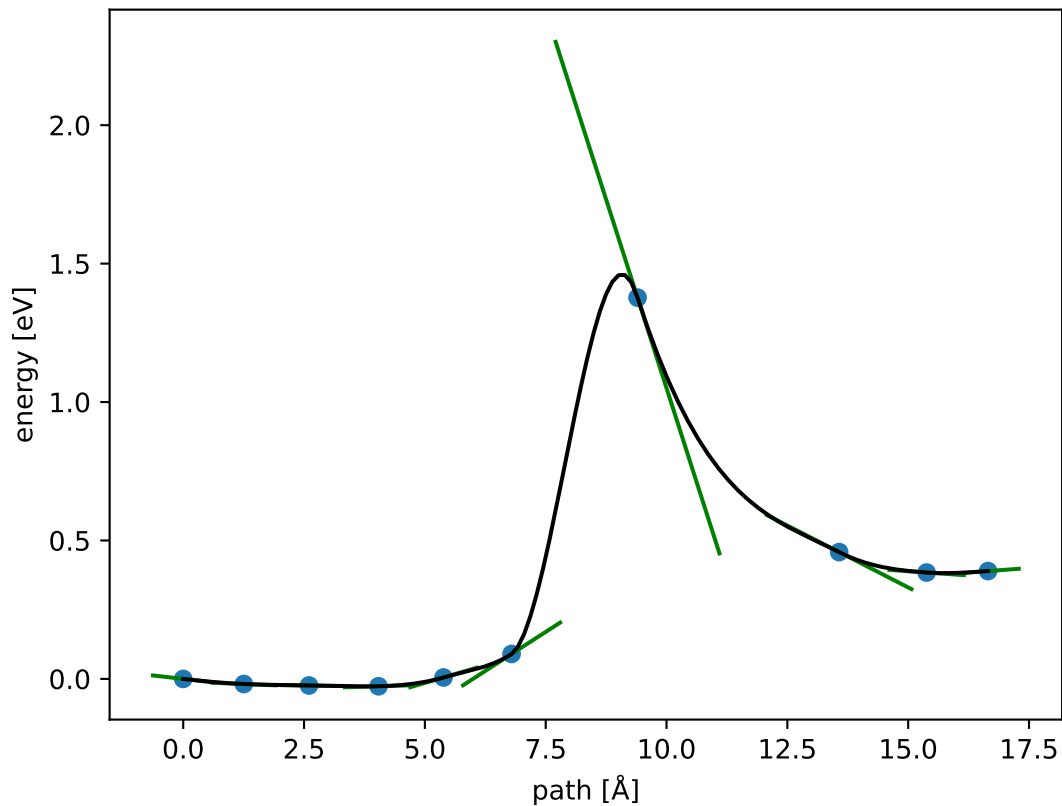
$$E_f \approx 1.354 \text{ eV}; E_r \approx 0.965 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



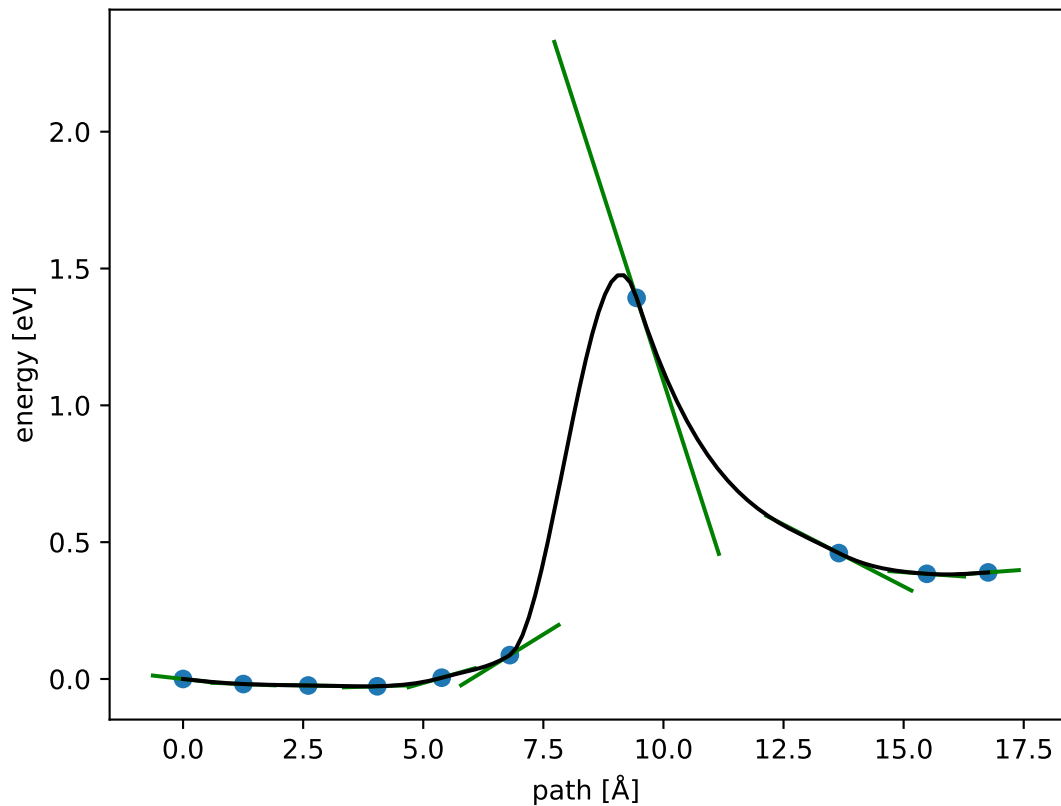
$$E_f \approx 1.365 \text{ eV}; E_r \approx 0.975 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



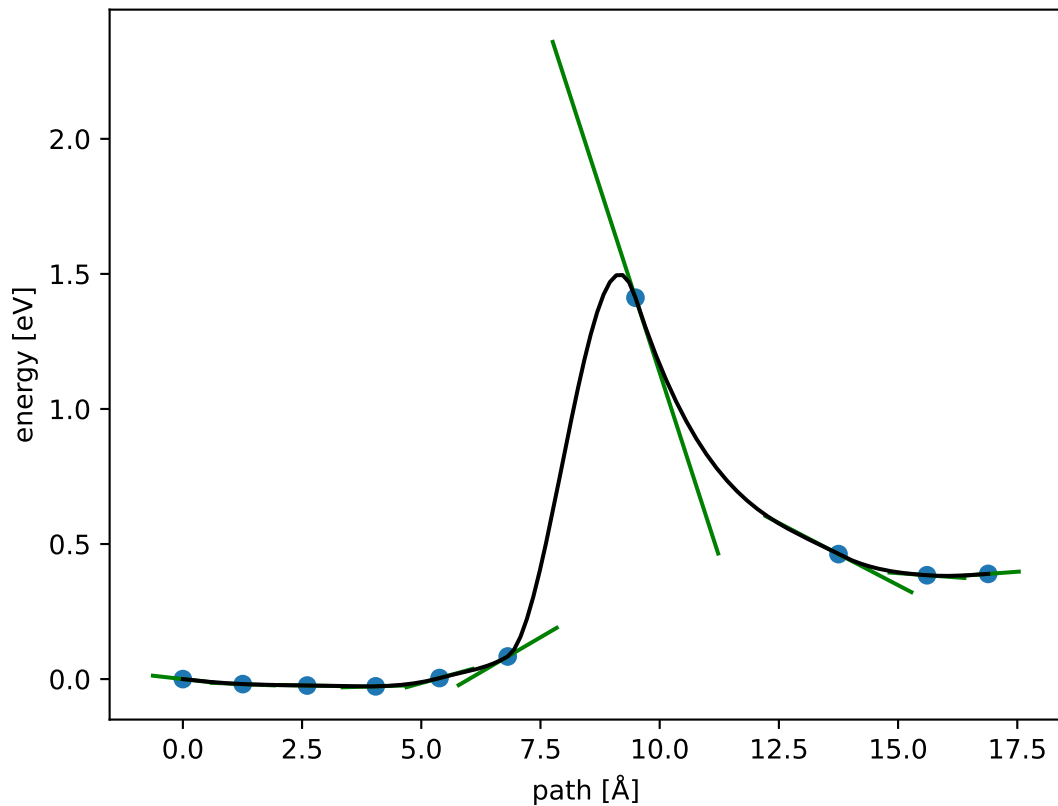
$$E_f \approx 1.377 \text{ eV}; E_r \approx 0.988 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



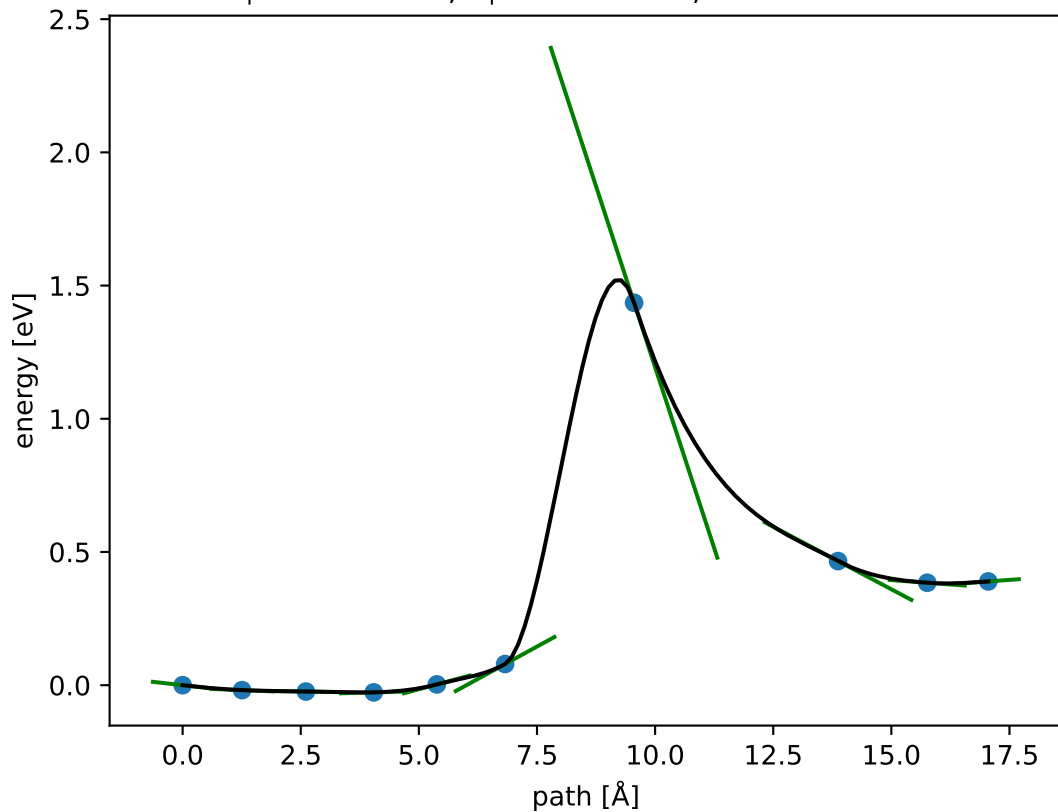
$$E_f \approx 1.393 \text{ eV}; E_r \approx 1.003 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.412 \text{ eV}; E_r \approx 1.022 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

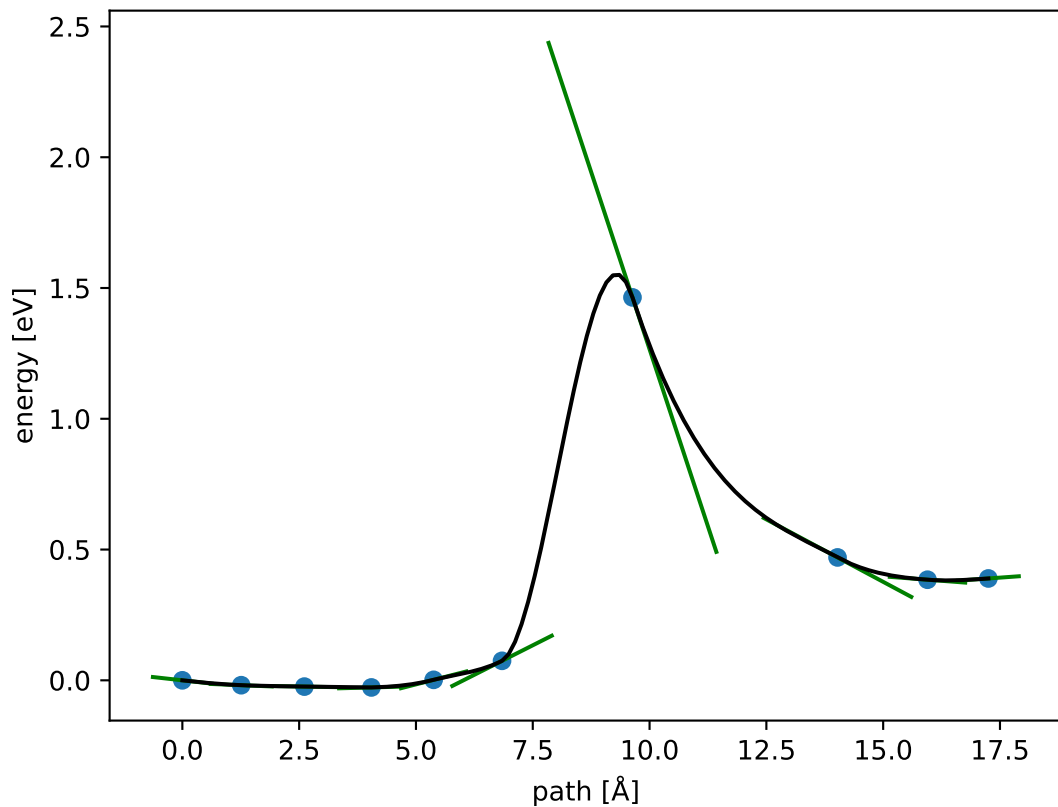


$$E_f \approx 1.435 \text{ eV}; E_r \approx 1.046 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

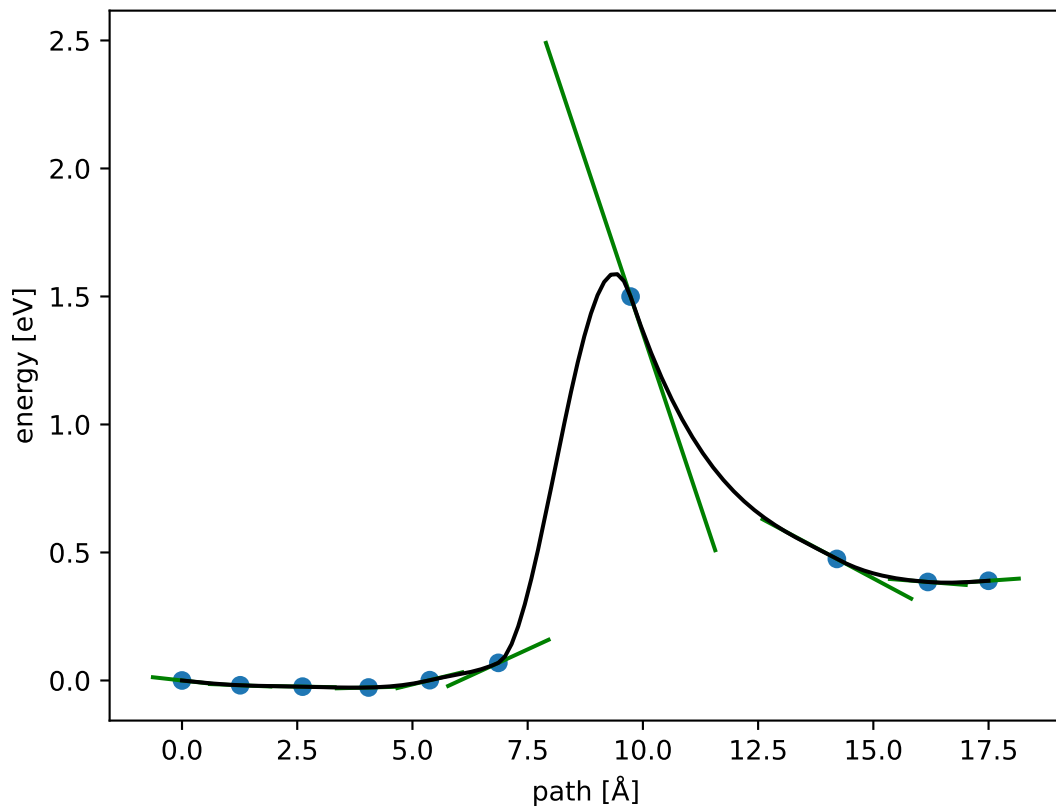




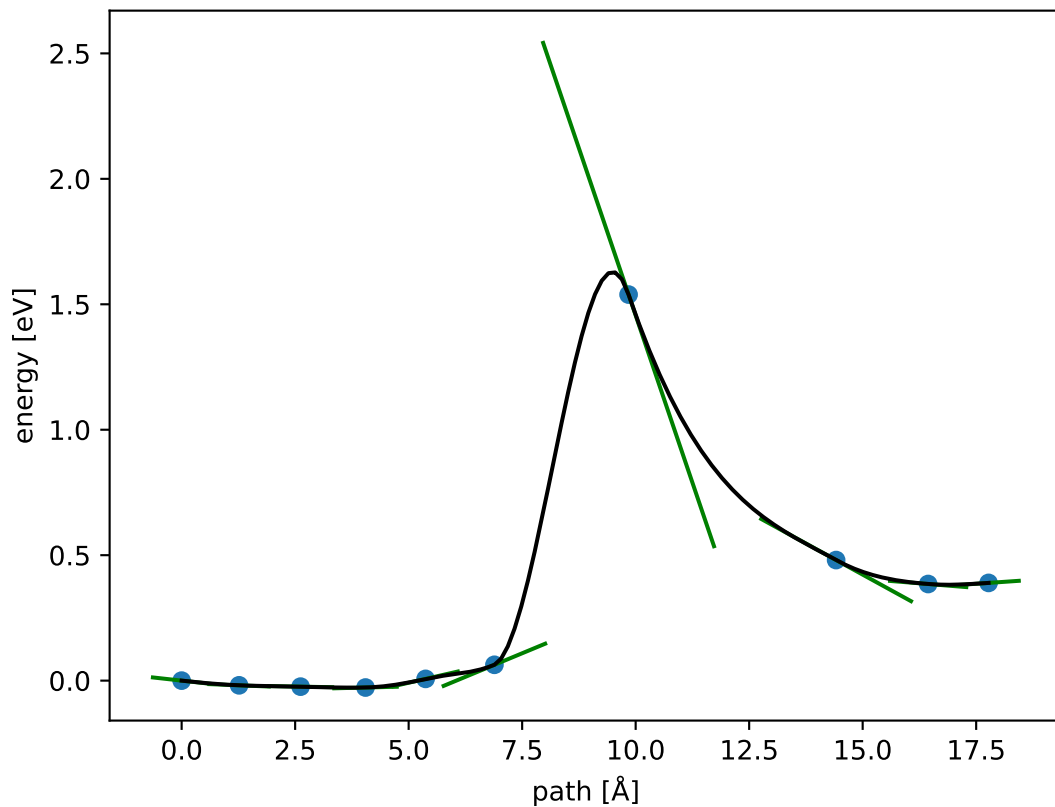
$$E_f \approx 1.464 \text{ eV}; E_r \approx 1.075 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



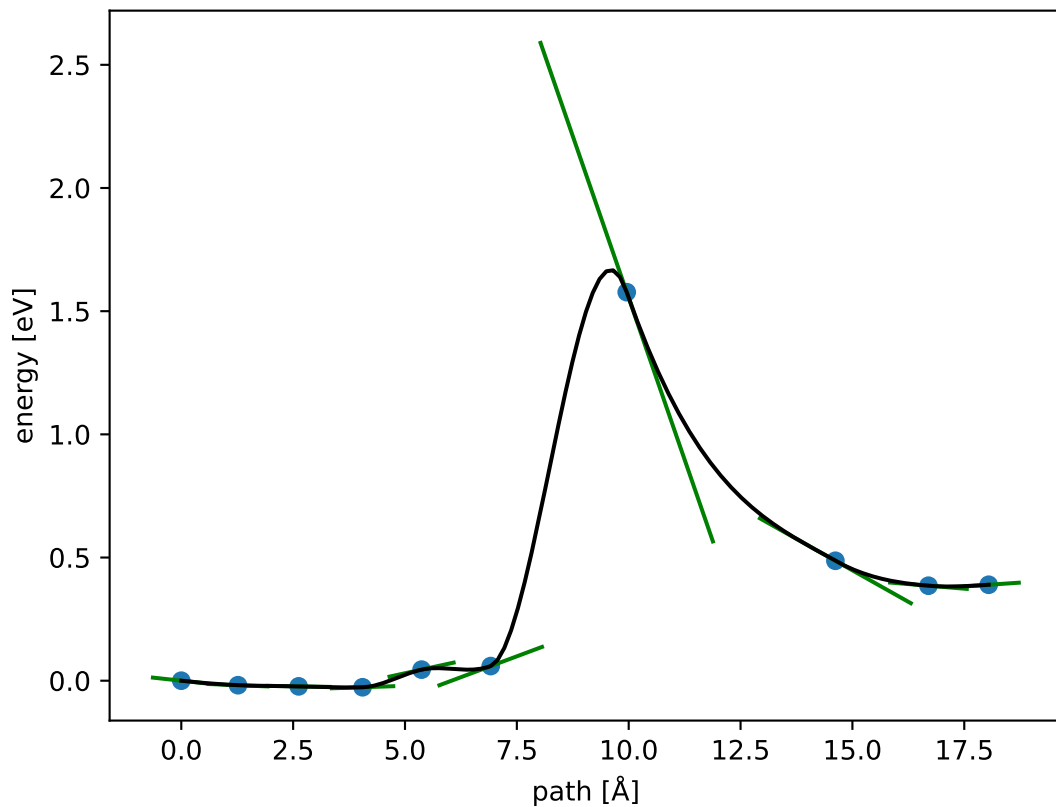
$$E_f \approx 1.500 \text{ eV}; E_r \approx 1.110 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



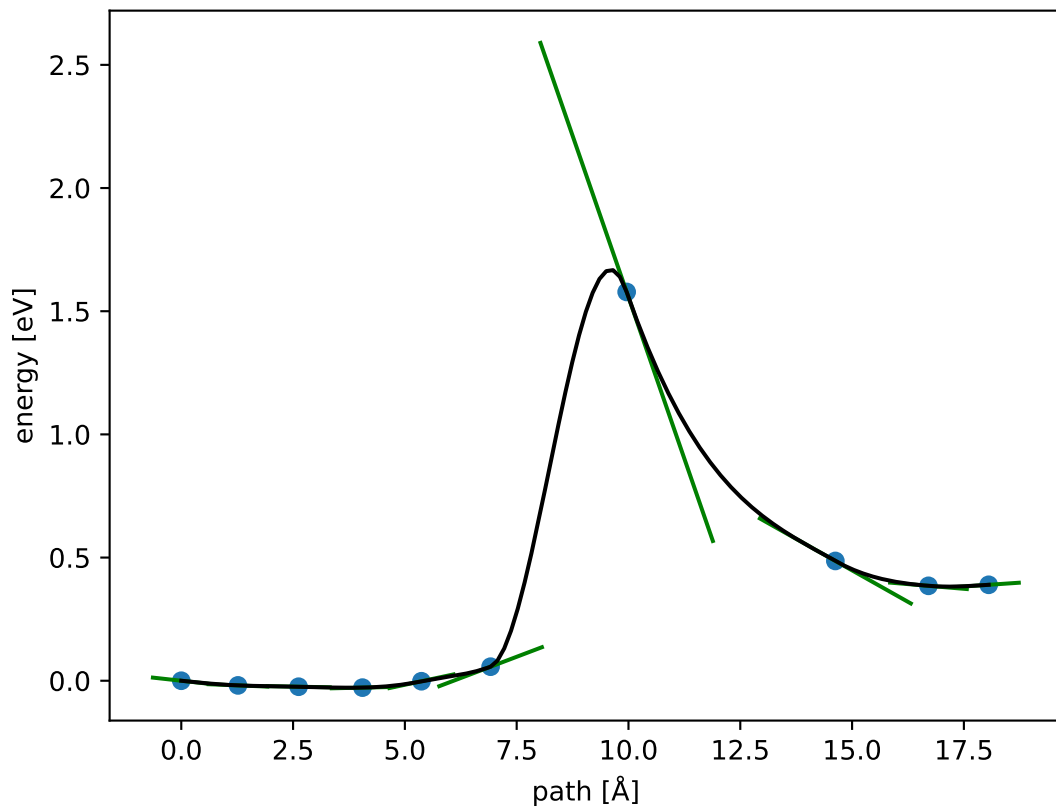
$$E_f \approx 1.539 \text{ eV}; E_r \approx 1.149 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



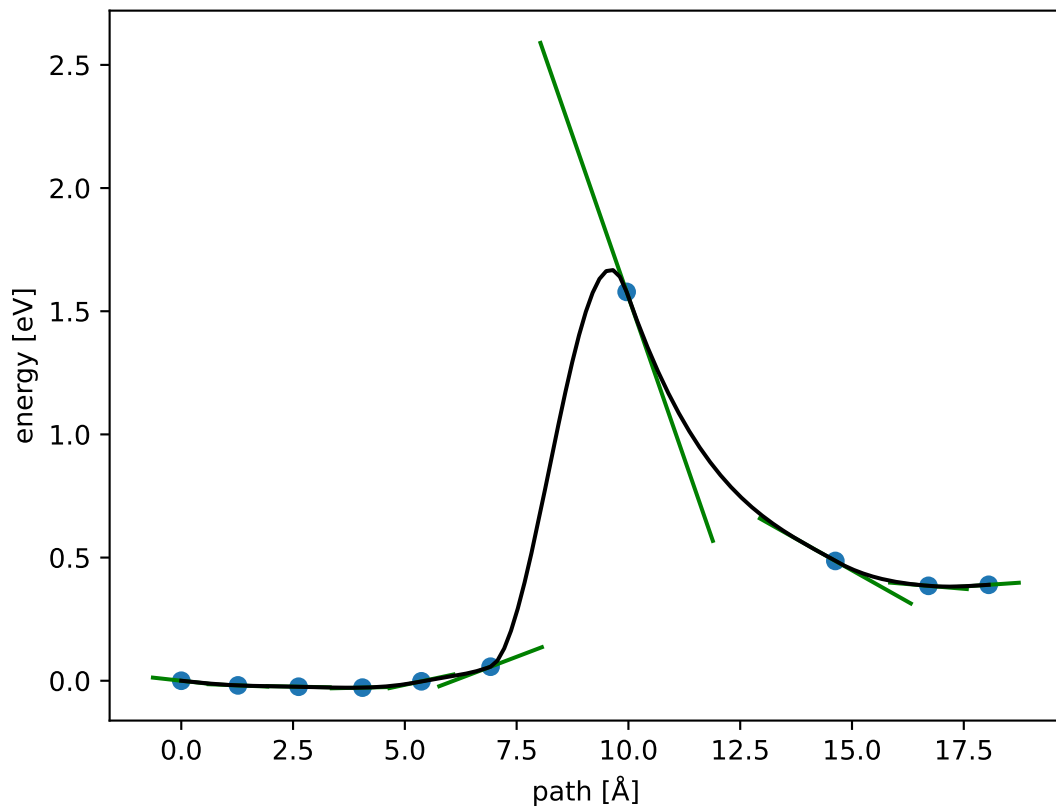
$$E_f \approx 1.577 \text{ eV}; E_r \approx 1.188 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



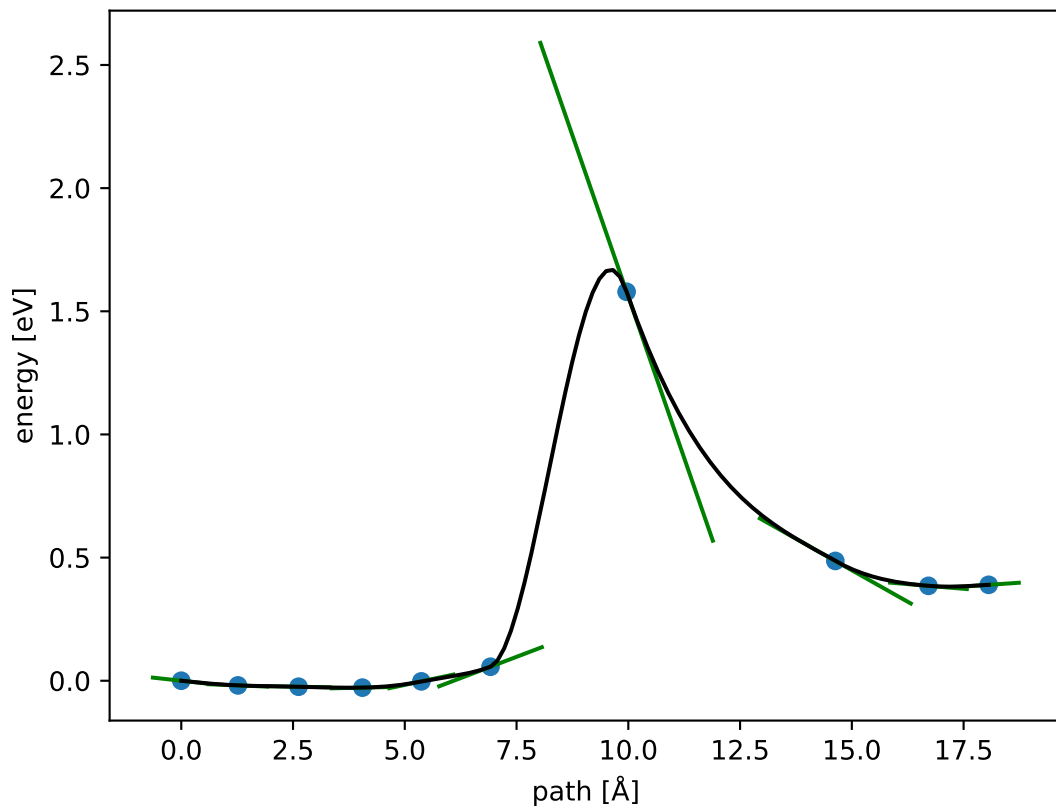
$$E_f \approx 1.578 \text{ eV}; E_r \approx 1.189 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



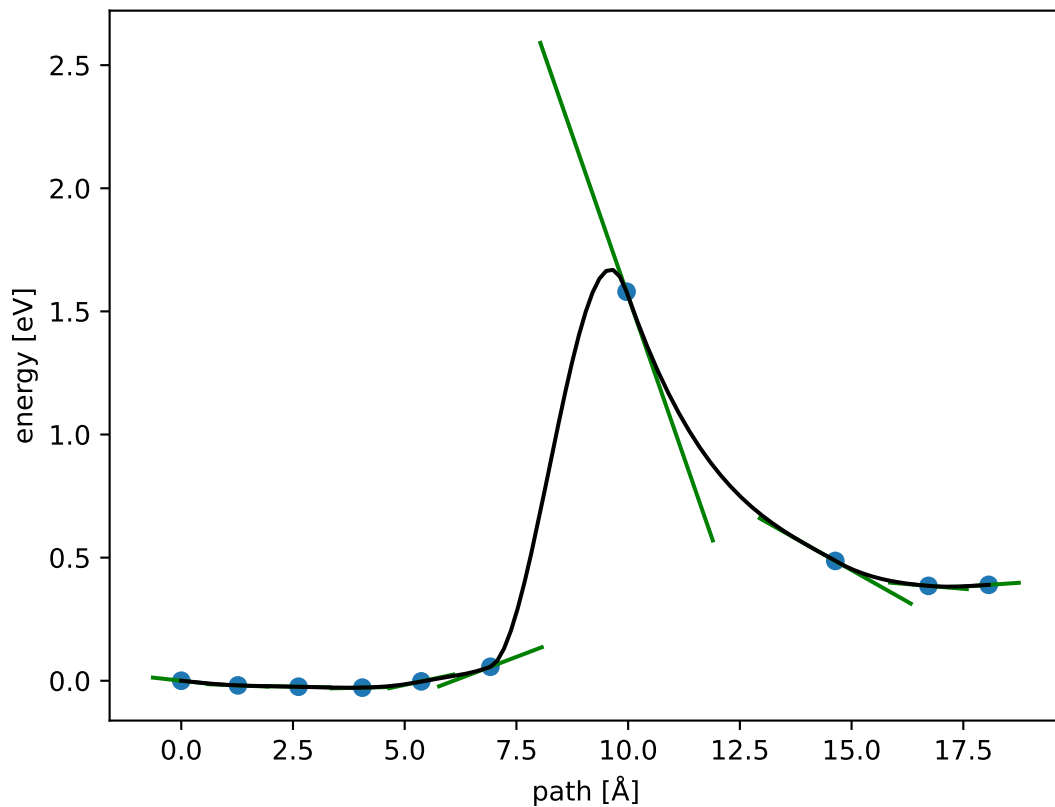
$$E_f \approx 1.579 \text{ eV}; E_r \approx 1.189 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.579 \text{ eV}; E_r \approx 1.190 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

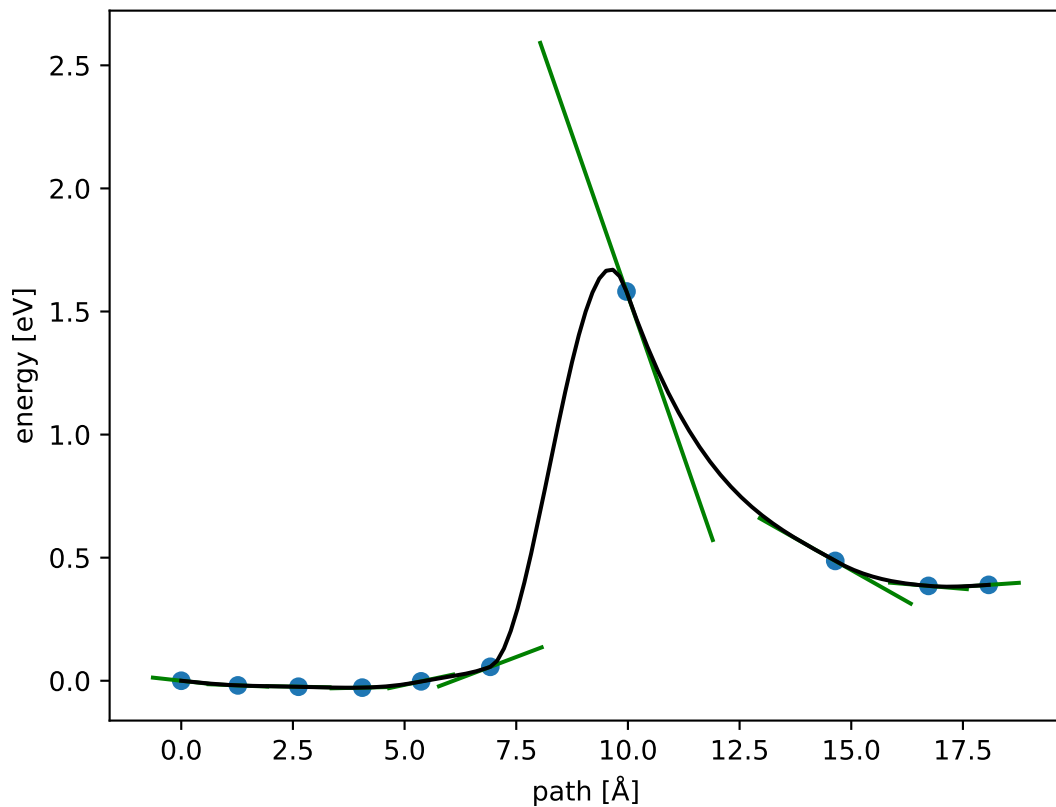


$$E_f \approx 1.580 \text{ eV}; E_r \approx 1.191 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

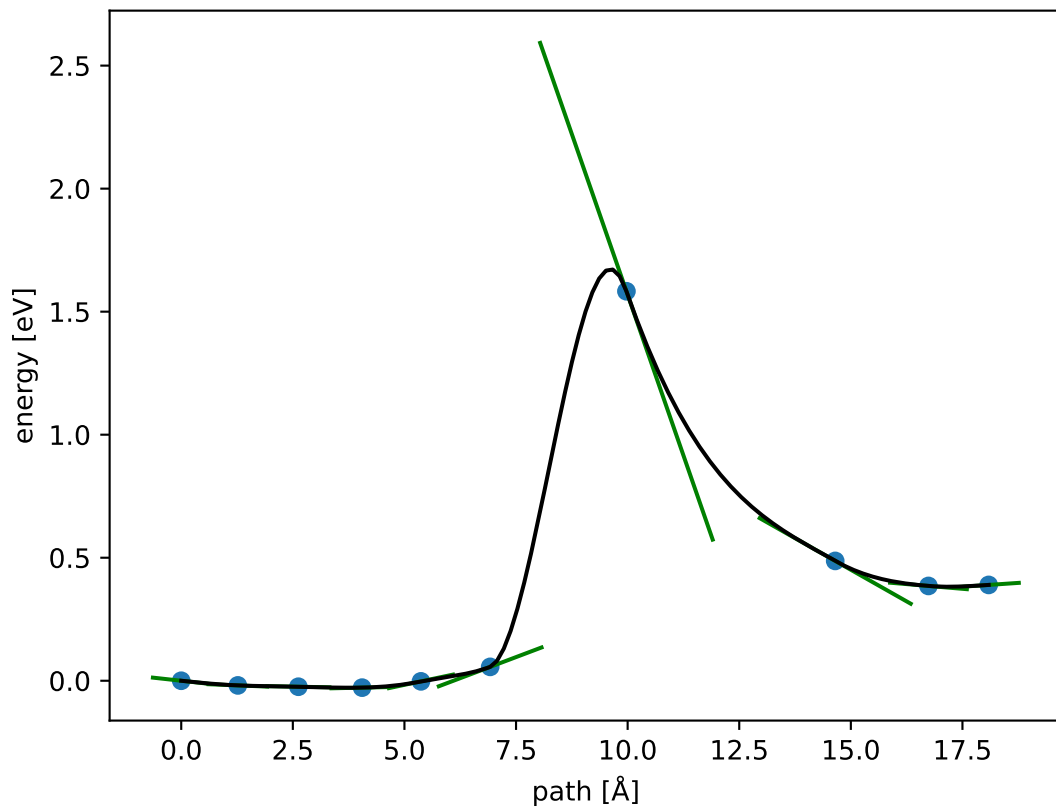




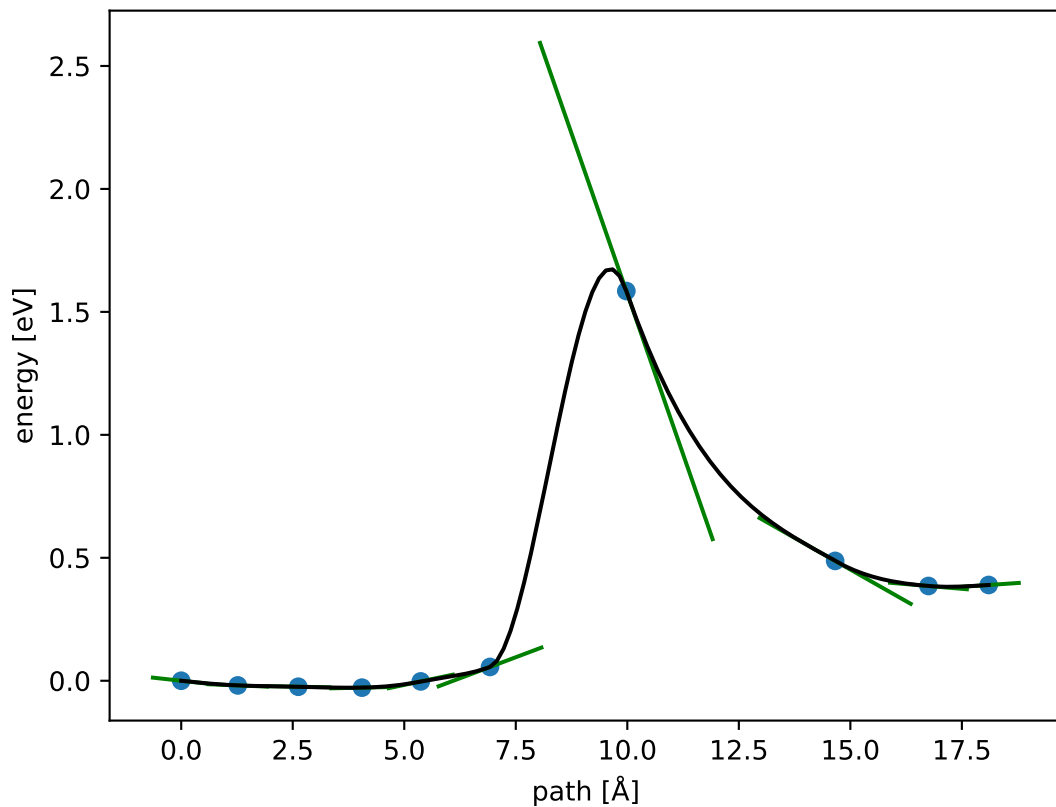
$$E_f \approx 1.581 \text{ eV}; E_r \approx 1.192 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



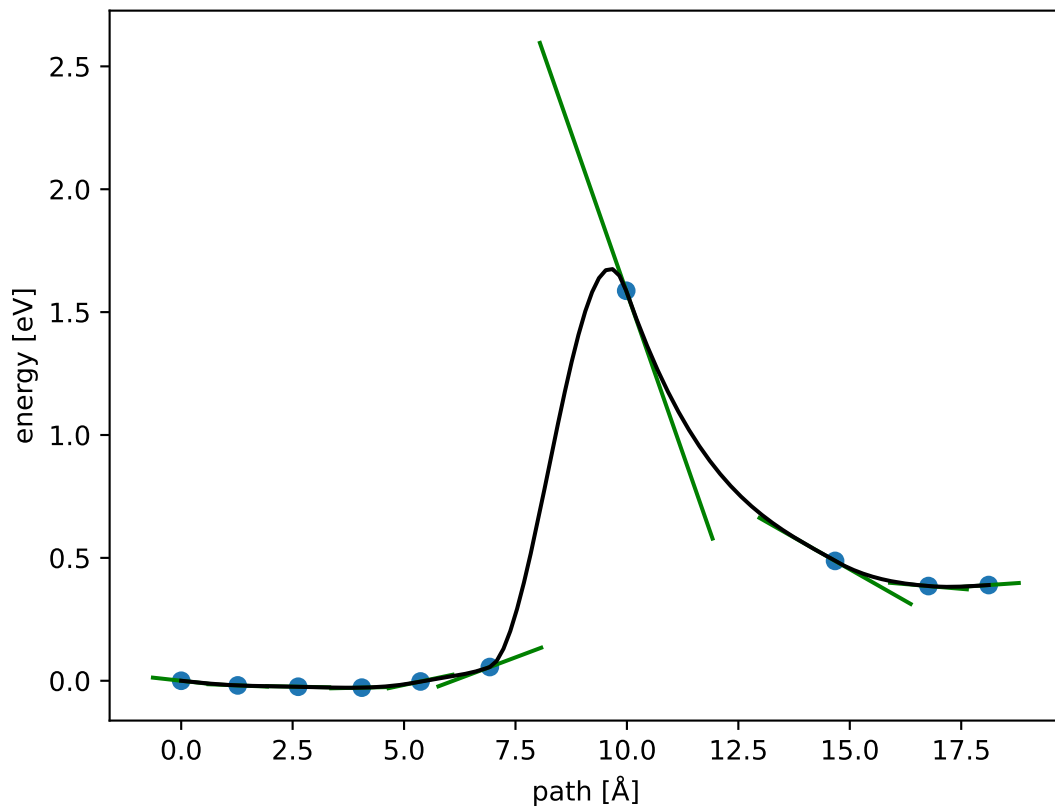
$$E_f \approx 1.583 \text{ eV}; E_r \approx 1.193 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



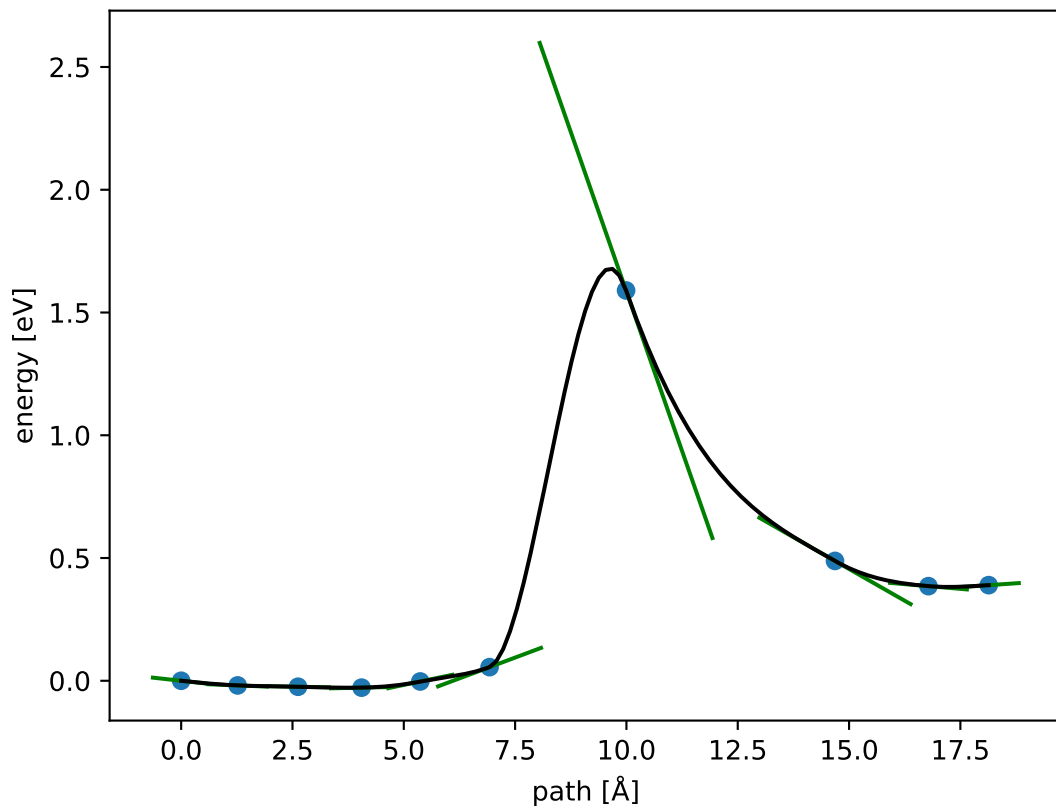
$$E_f \approx 1.585 \text{ eV}; E_r \approx 1.195 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



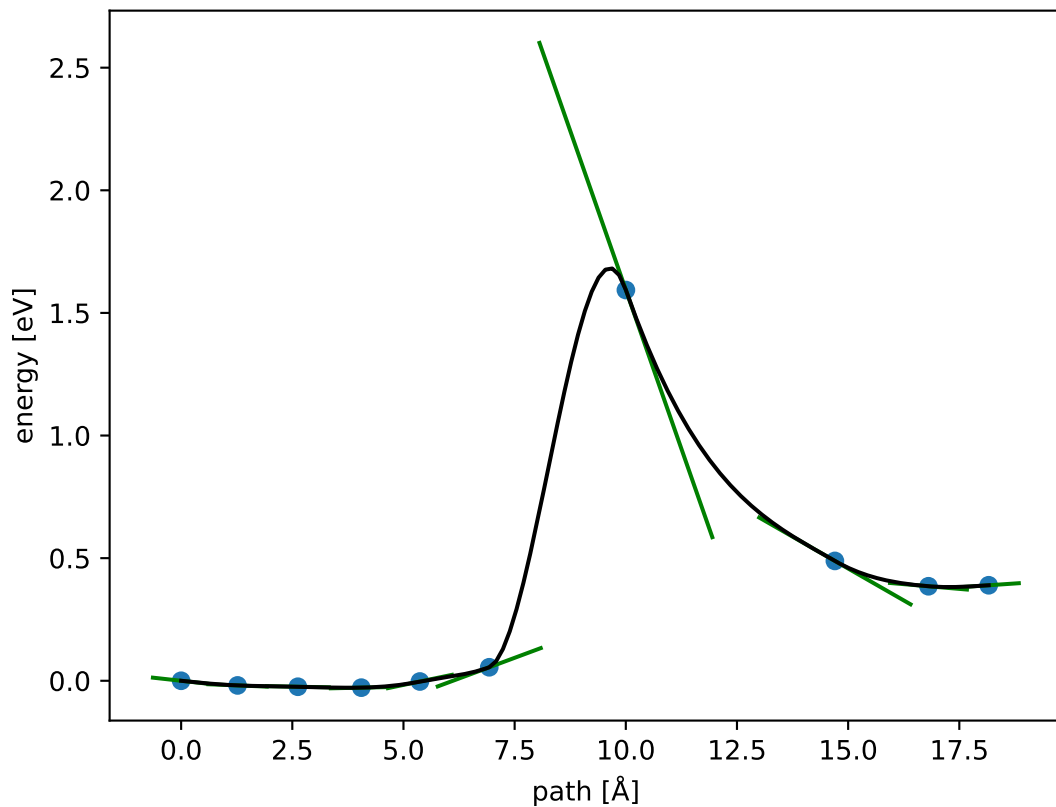
$$E_f \approx 1.587 \text{ eV}; E_r \approx 1.198 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



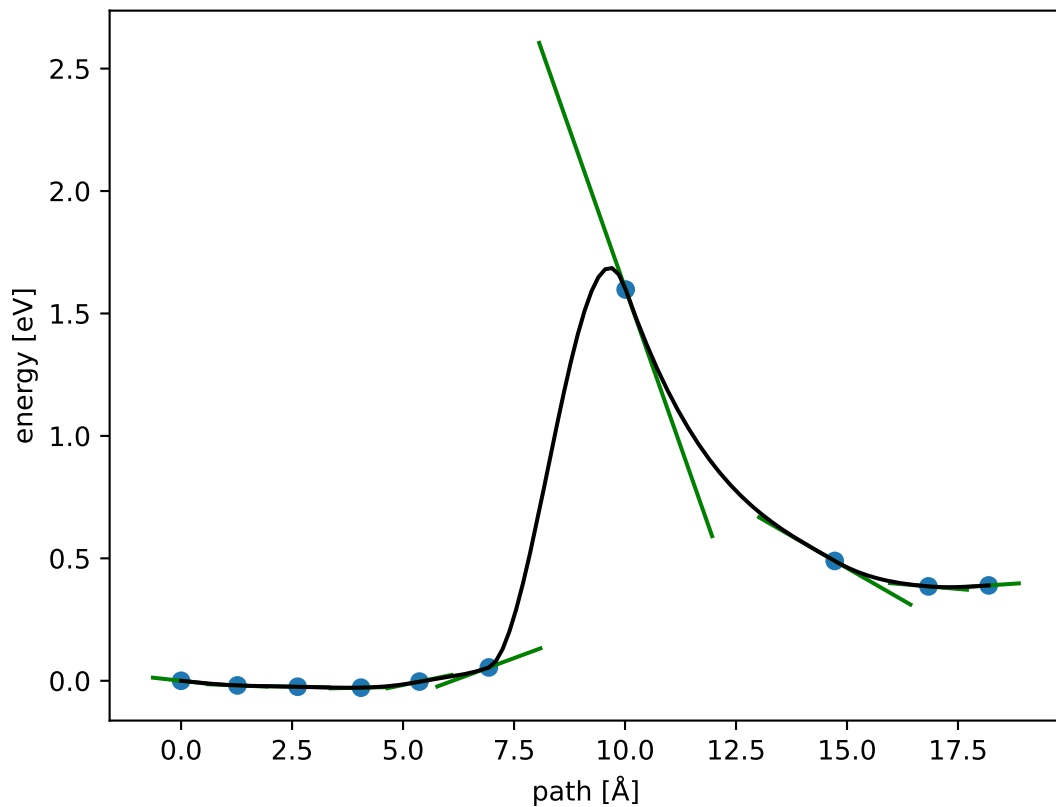
$$E_f \approx 1.590 \text{ eV}; E_r \approx 1.200 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



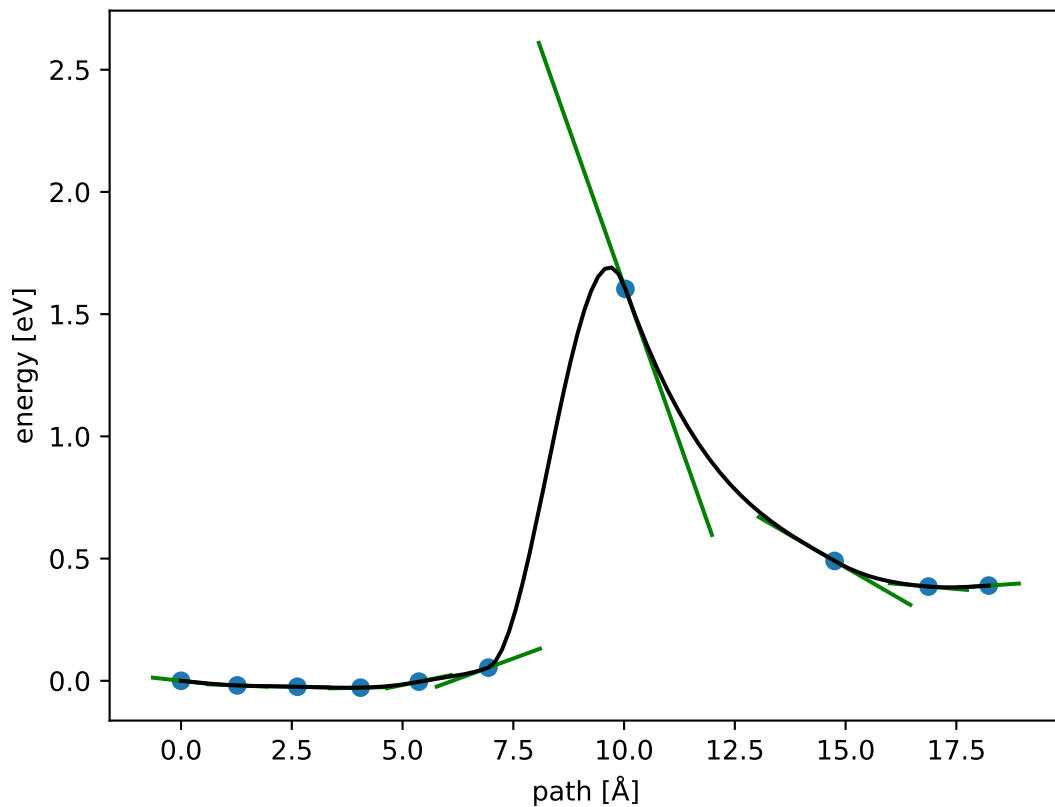
$$E_f \approx 1.593 \text{ eV}; E_r \approx 1.204 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.598 \text{ eV}; E_r \approx 1.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

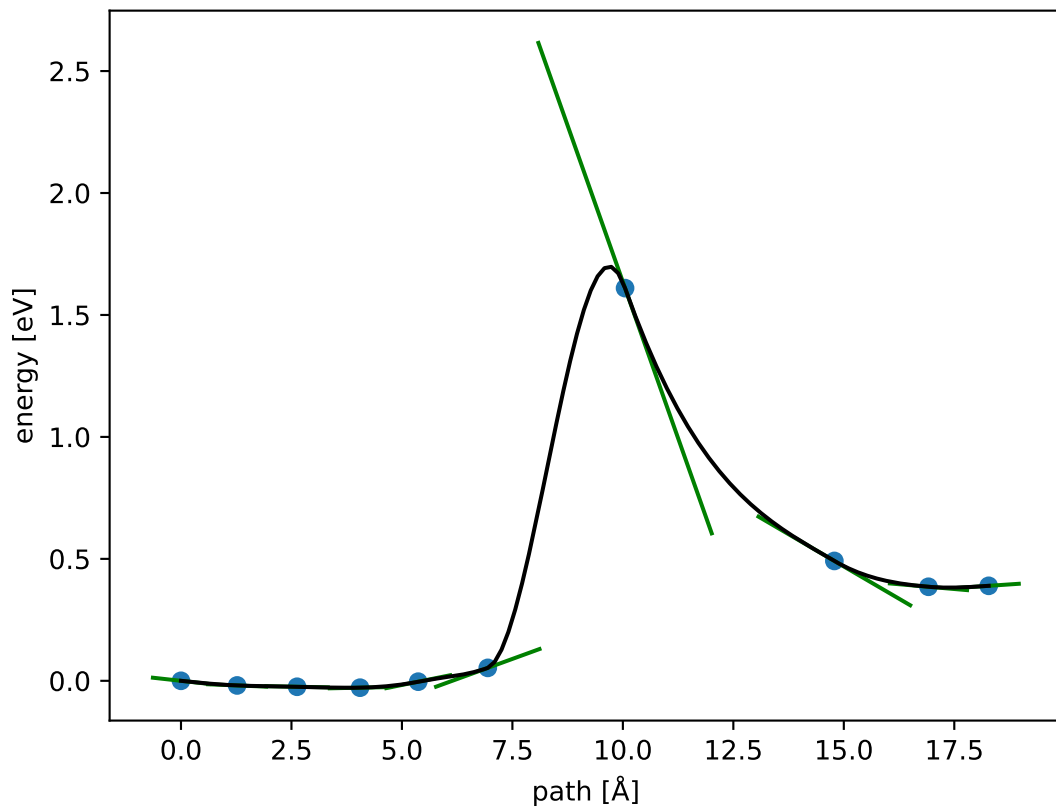


$$E_f \approx 1.603 \text{ eV}; E_r \approx 1.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

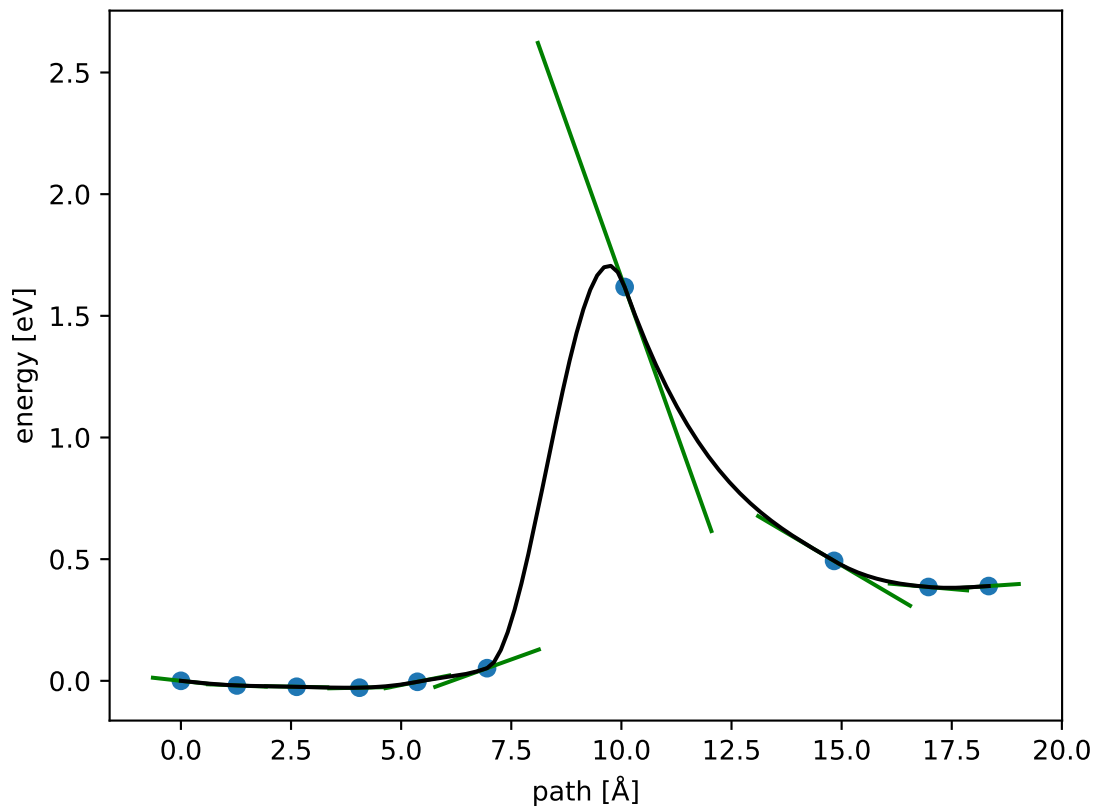




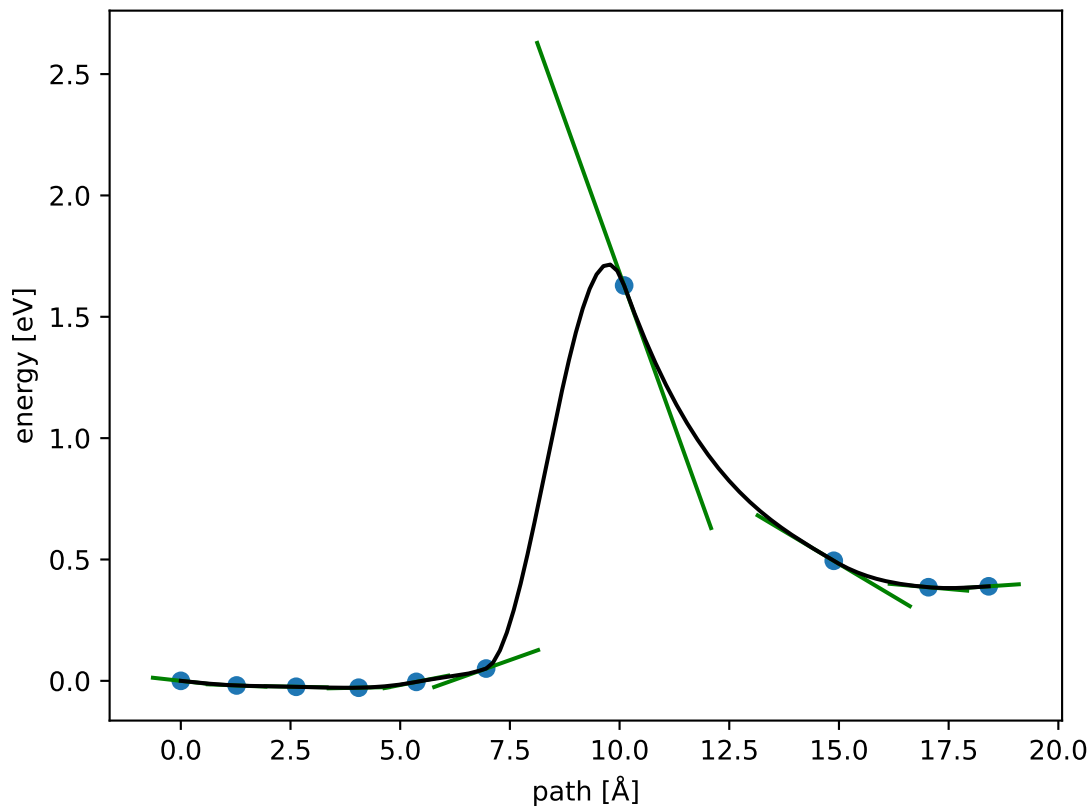
$$E_f \approx 1.610 \text{ eV}; E_r \approx 1.221 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



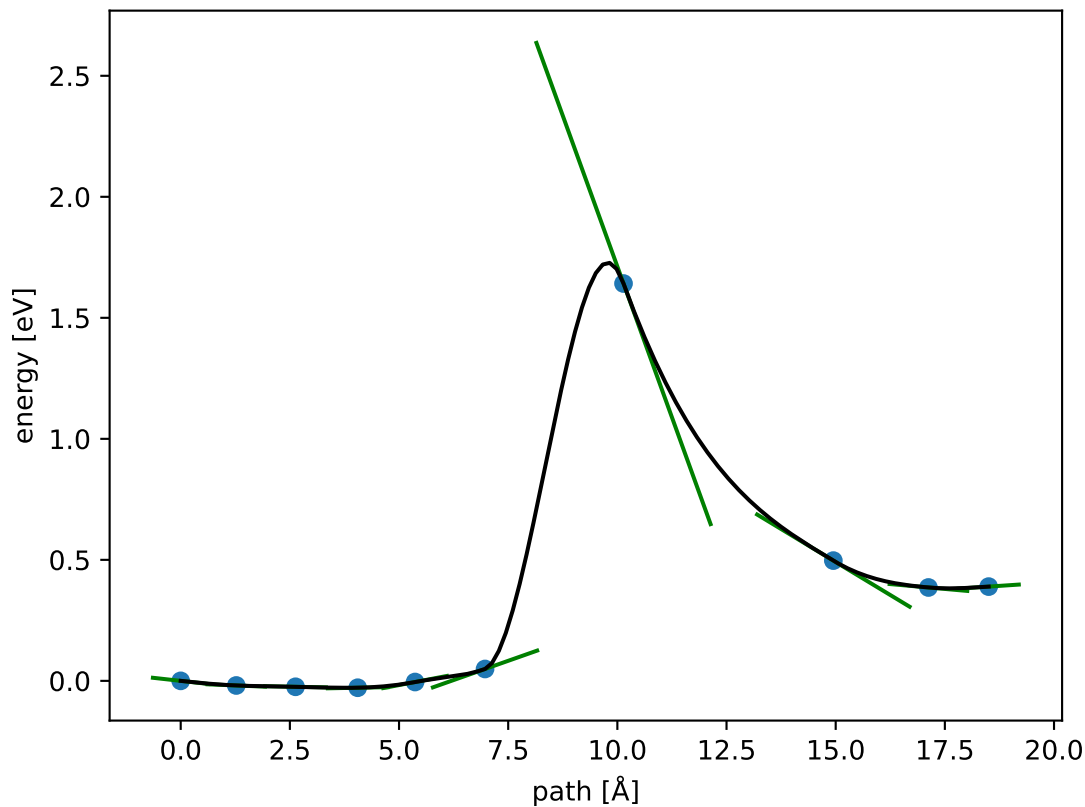
$$E_f \approx 1.619 \text{ eV}; E_r \approx 1.229 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



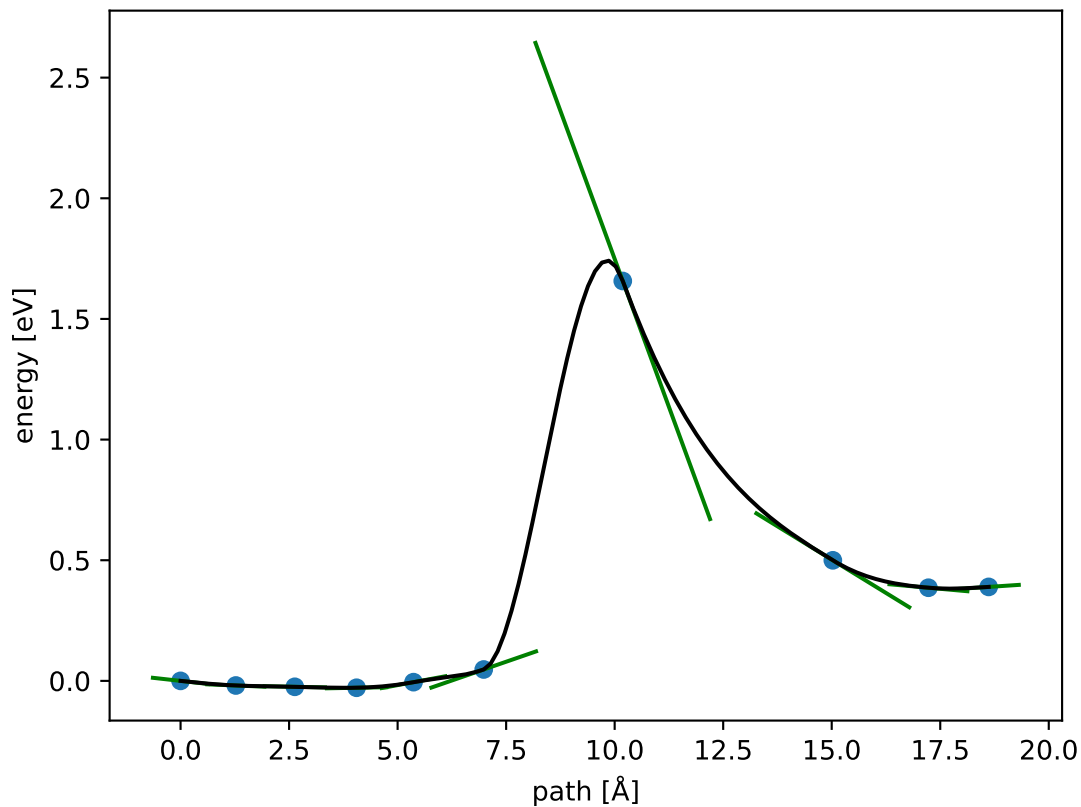
$$E_f \approx 1.629 \text{ eV}; E_r \approx 1.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



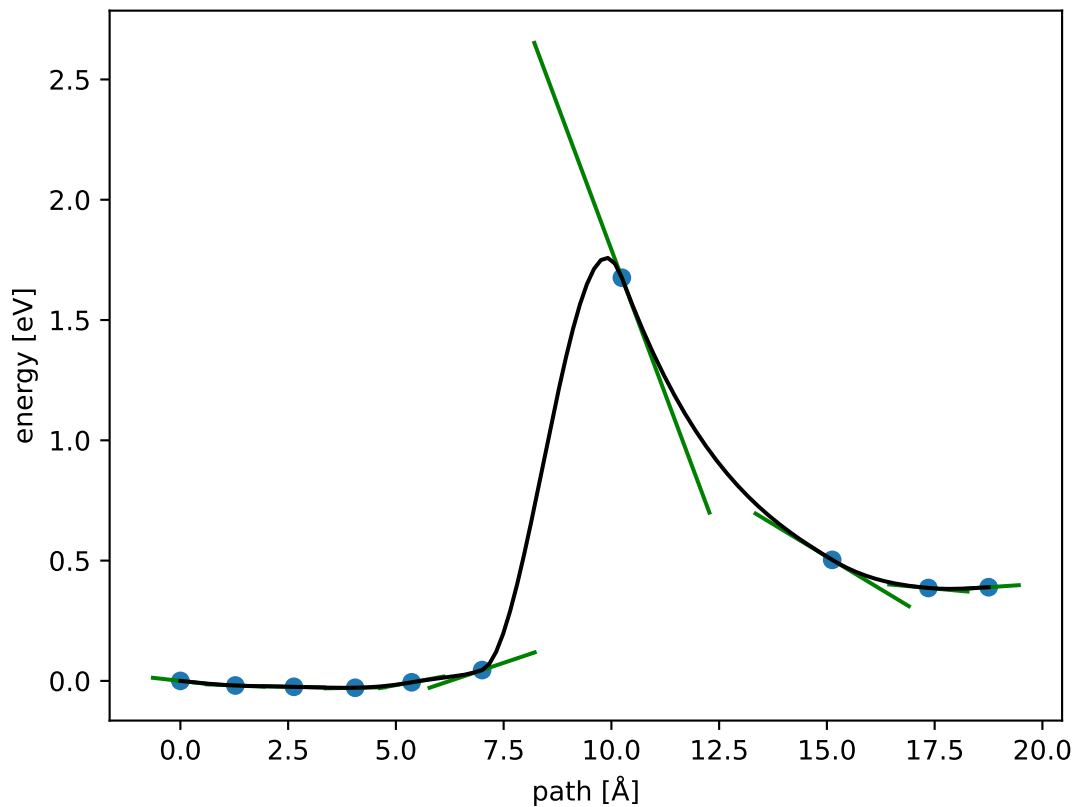
$$E_f \approx 1.642 \text{ eV}; E_r \approx 1.252 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



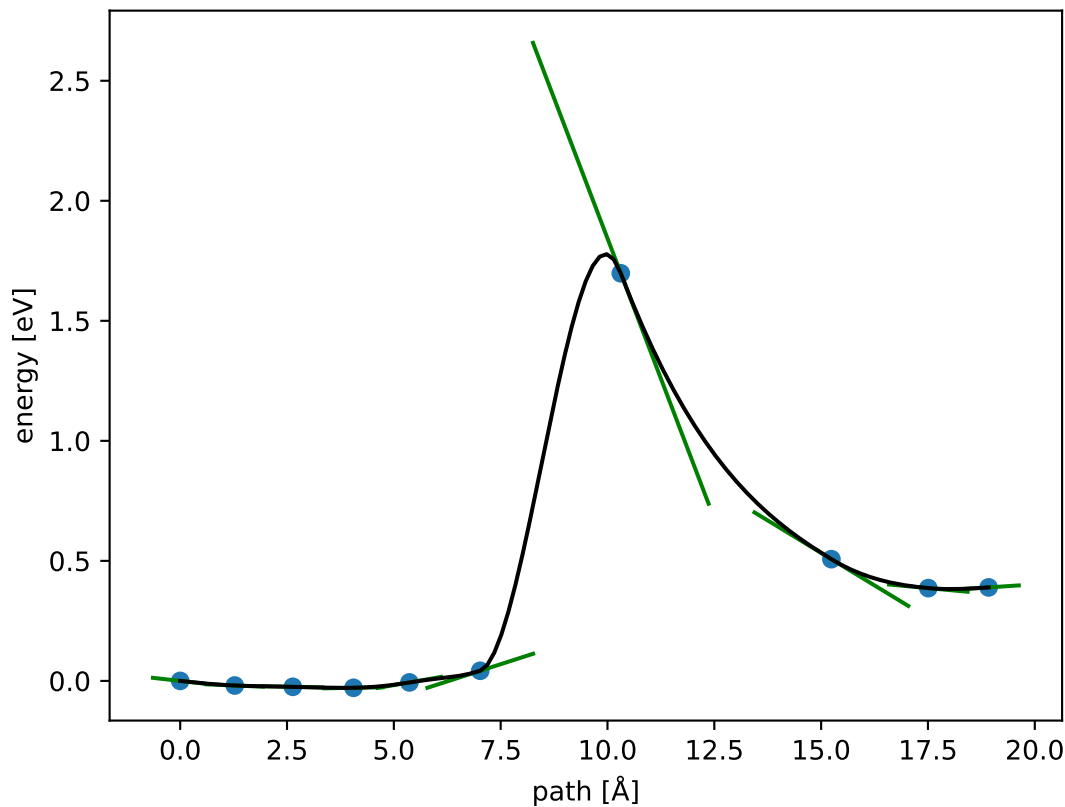
$$E_f \approx 1.657 \text{ eV}; E_r \approx 1.268 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



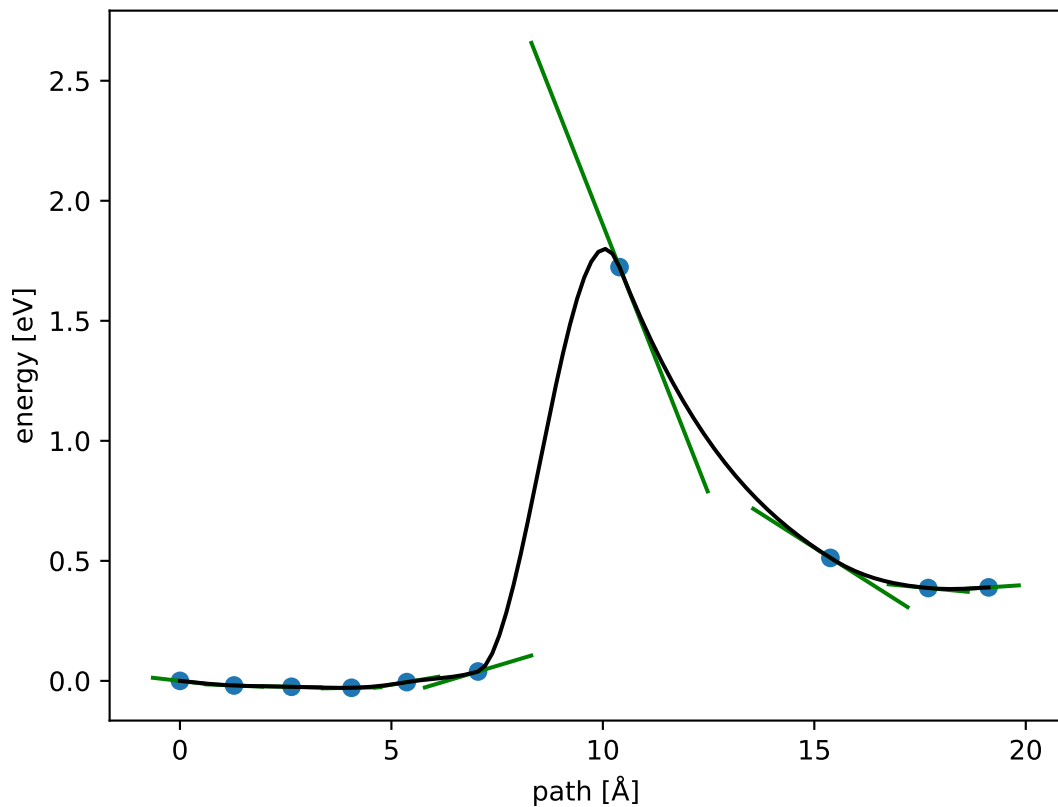
$$E_f \approx 1.676 \text{ eV}; E_r \approx 1.286 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.698 \text{ eV}; E_r \approx 1.308 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

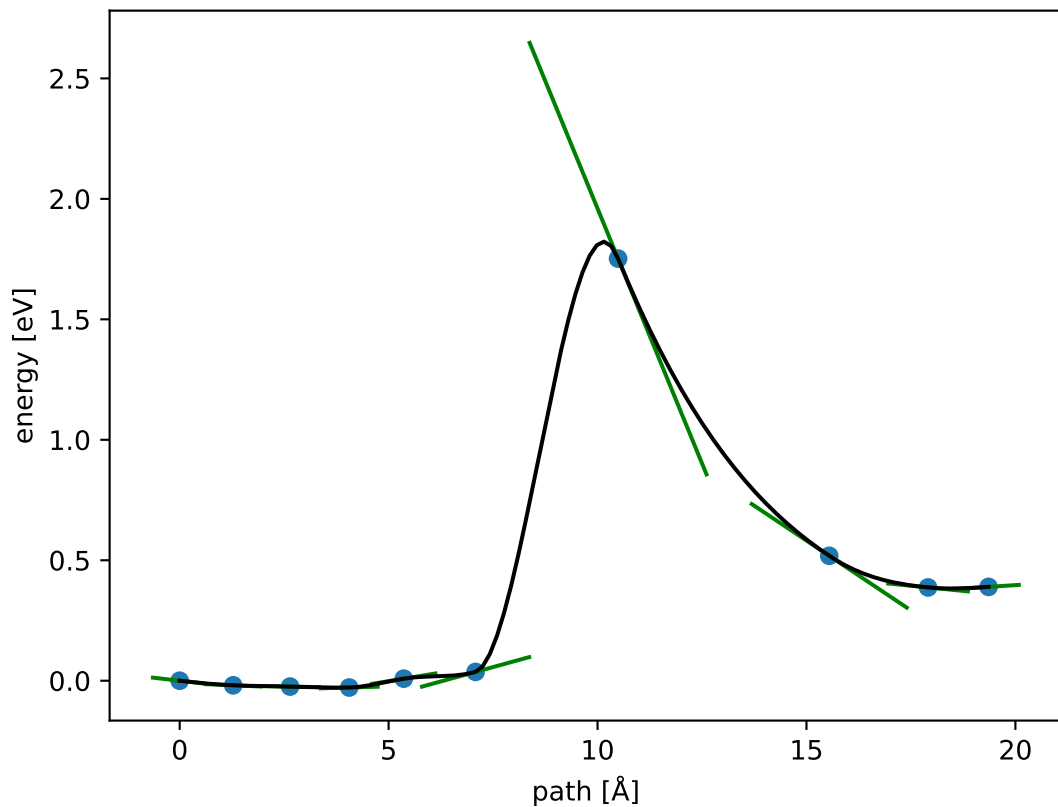


$$E_f \approx 1.724 \text{ eV}; E_r \approx 1.334 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

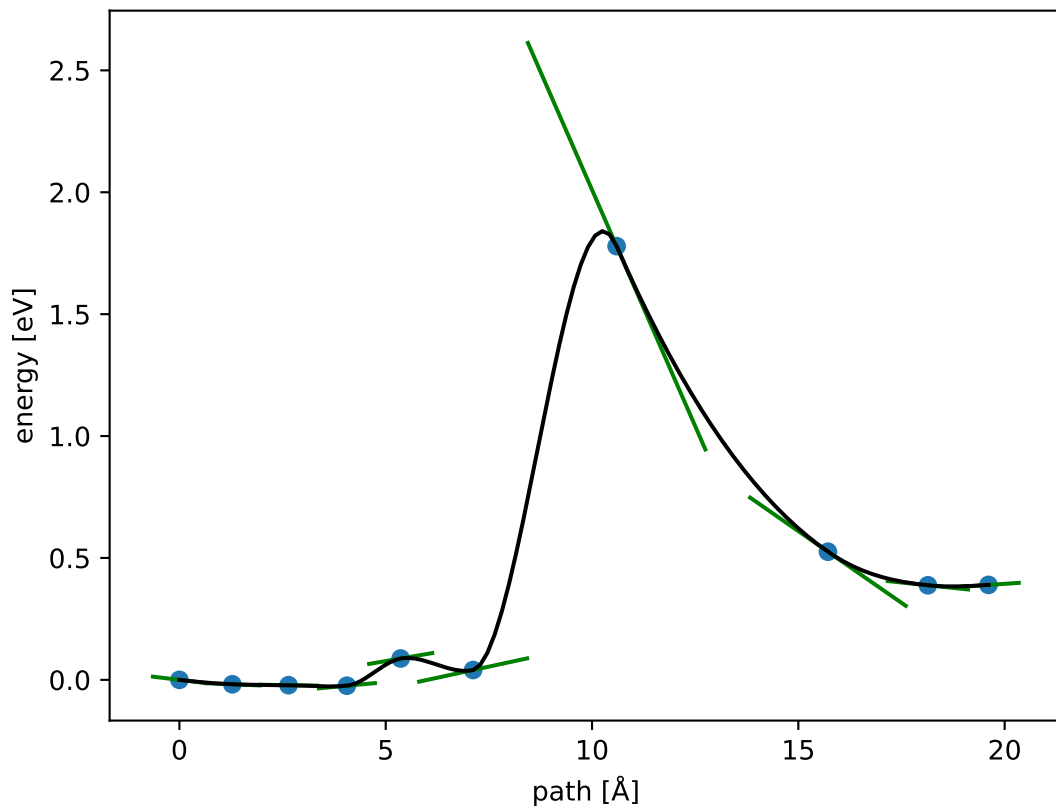




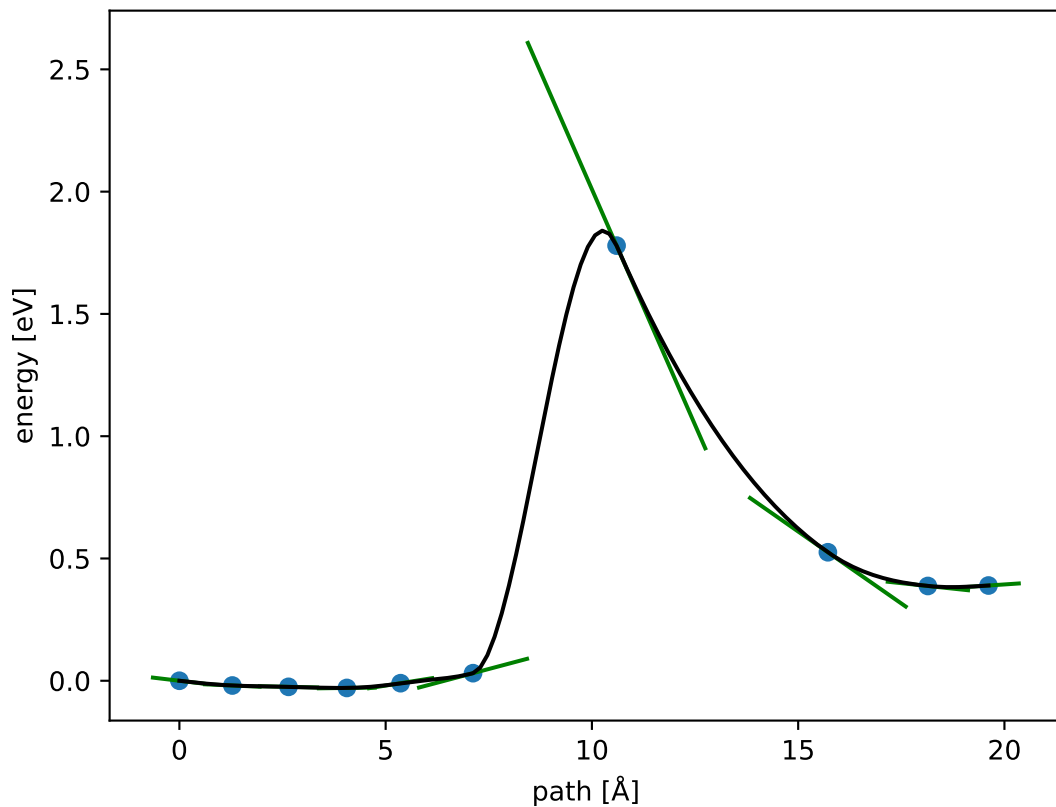
$$E_f \approx 1.752 \text{ eV}; E_r \approx 1.363 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



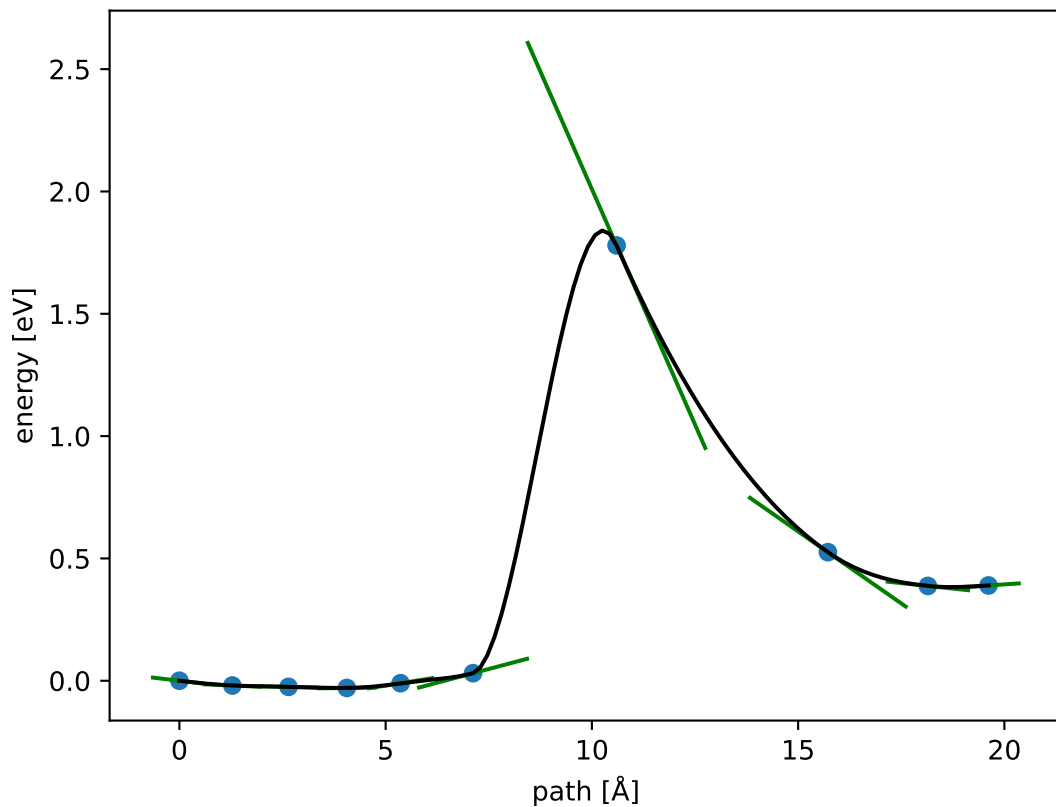
$$E_f \approx 1.779 \text{ eV}; E_r \approx 1.390 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



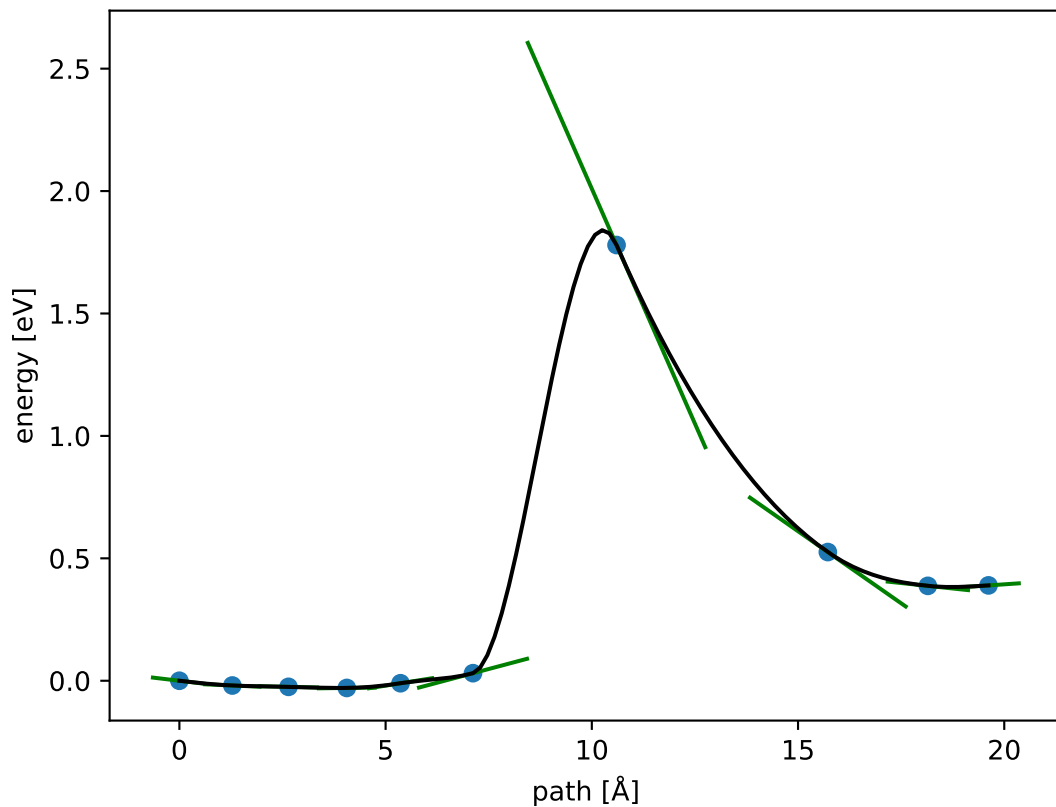
$$E_f \approx 1.779 \text{ eV}; E_r \approx 1.390 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



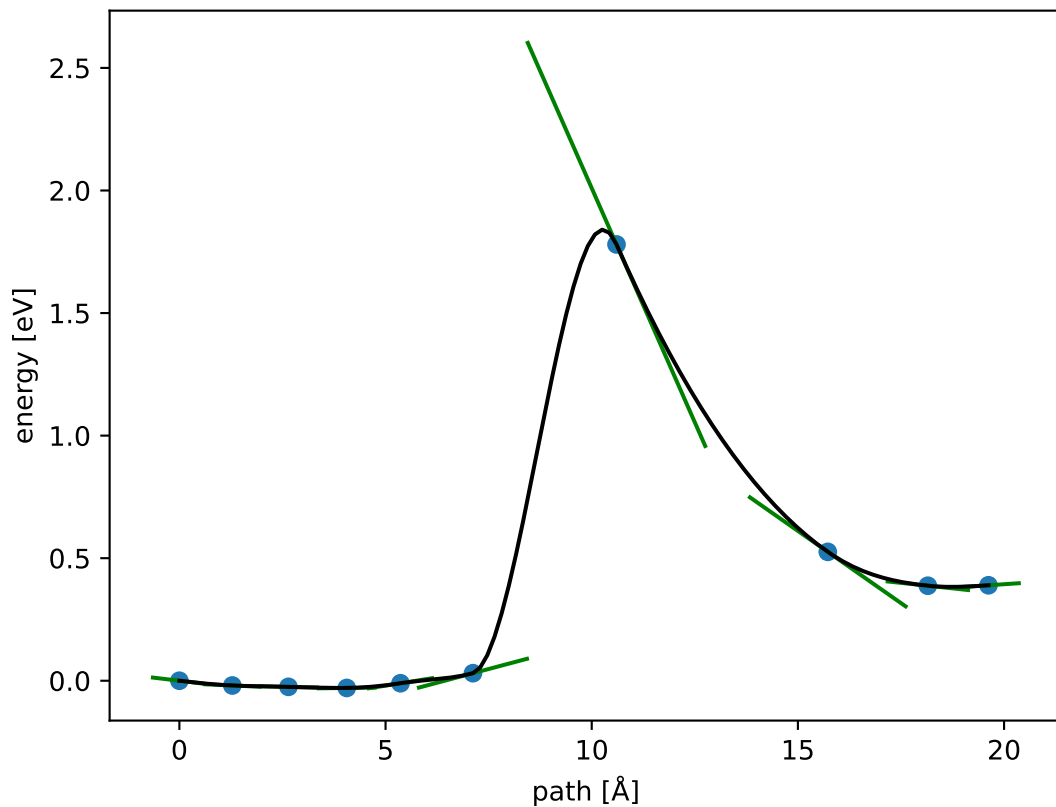
$$E_f \approx 1.779 \text{ eV}; E_r \approx 1.390 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



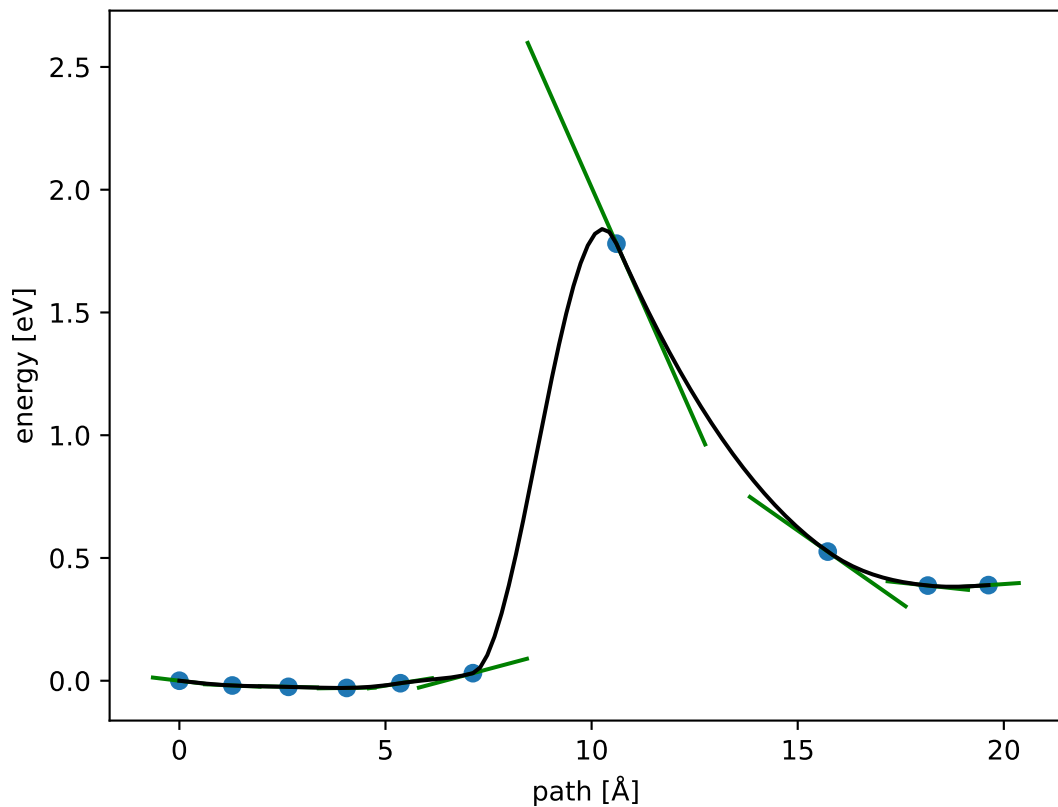
$$E_f \approx 1.780 \text{ eV}; E_r \approx 1.390 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



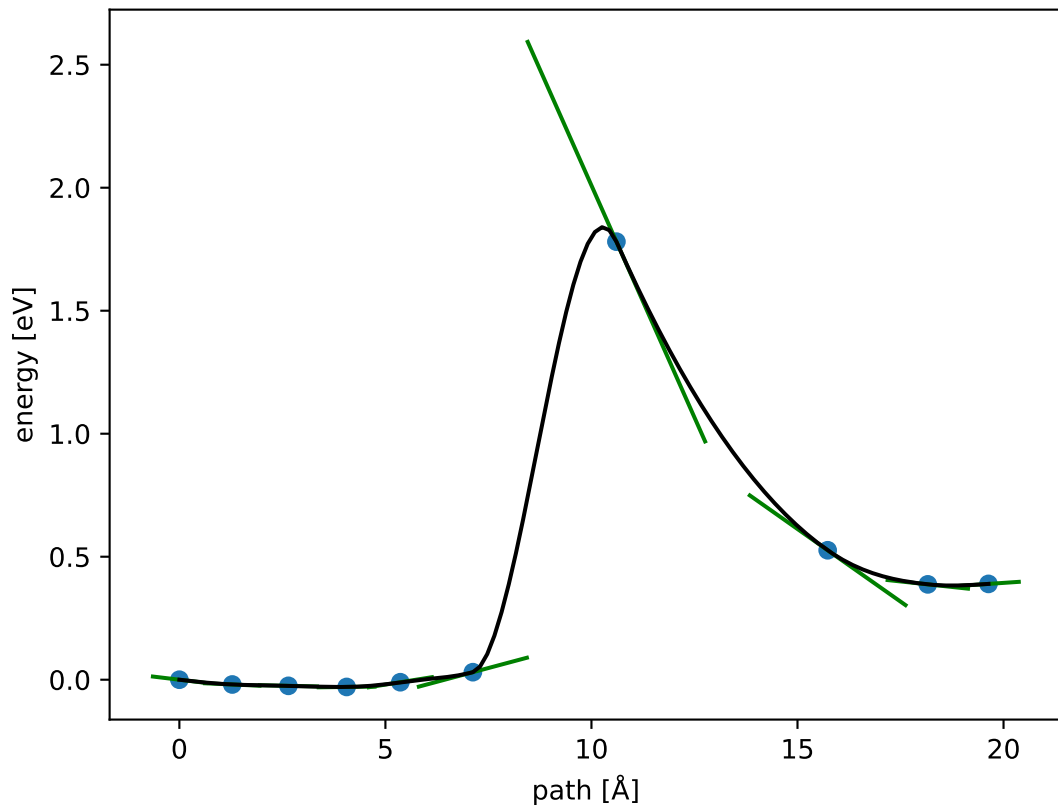
$$E_f \approx 1.780 \text{ eV}; E_r \approx 1.390 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.780 \text{ eV}; E_r \approx 1.391 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

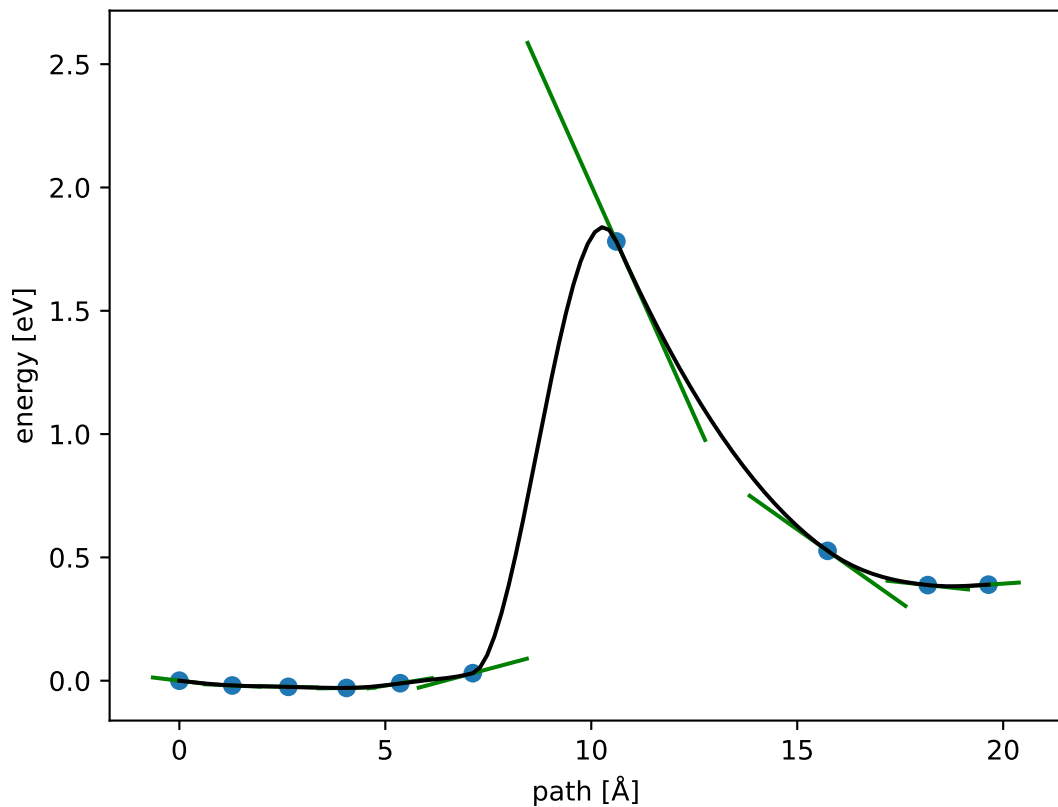


$$E_f \approx 1.781 \text{ eV}; E_r \approx 1.391 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

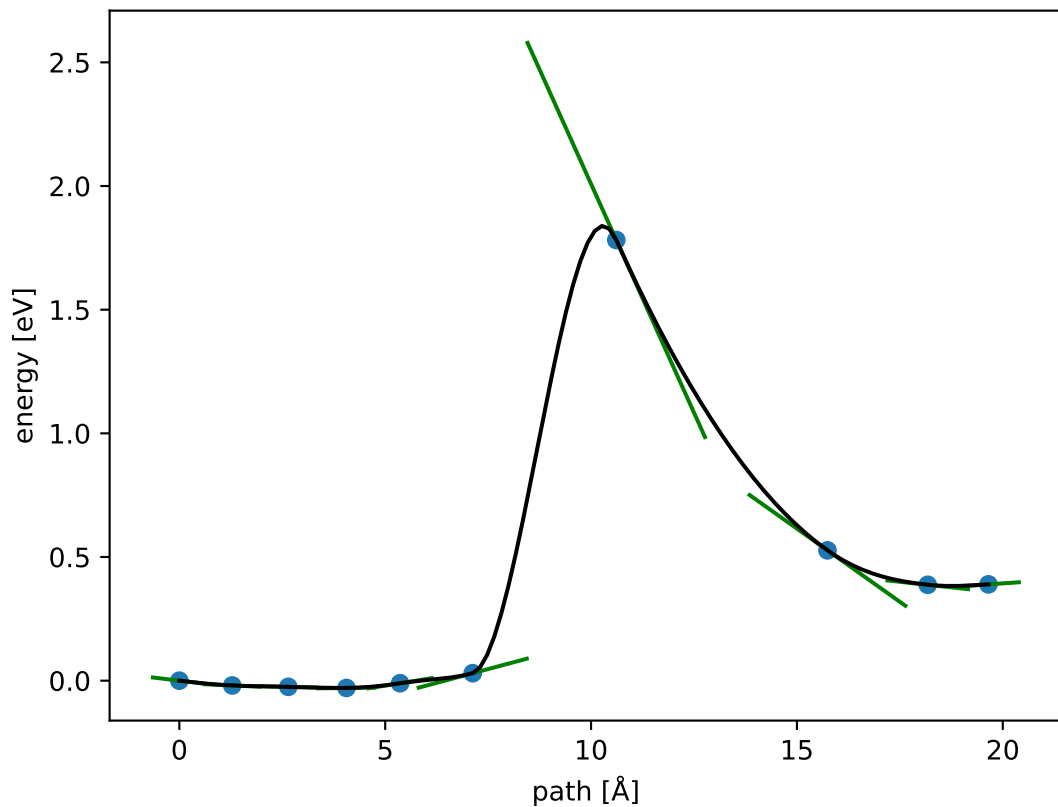




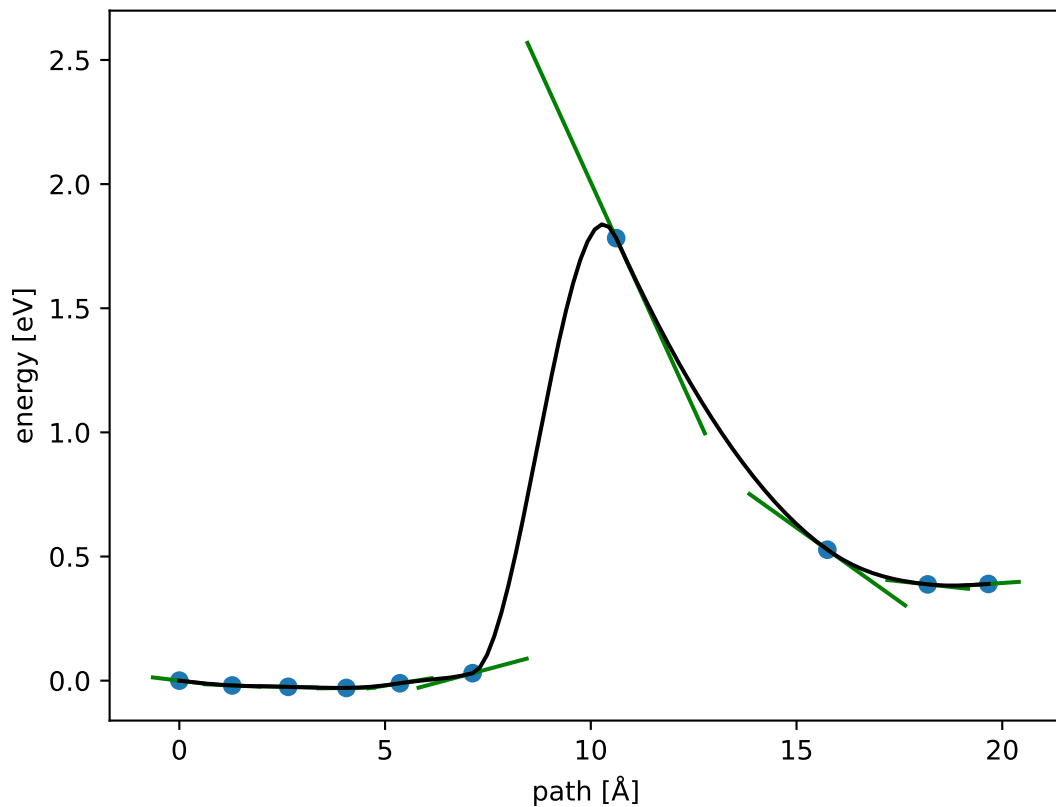
$$E_f \approx 1.781 \text{ eV}; E_r \approx 1.392 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



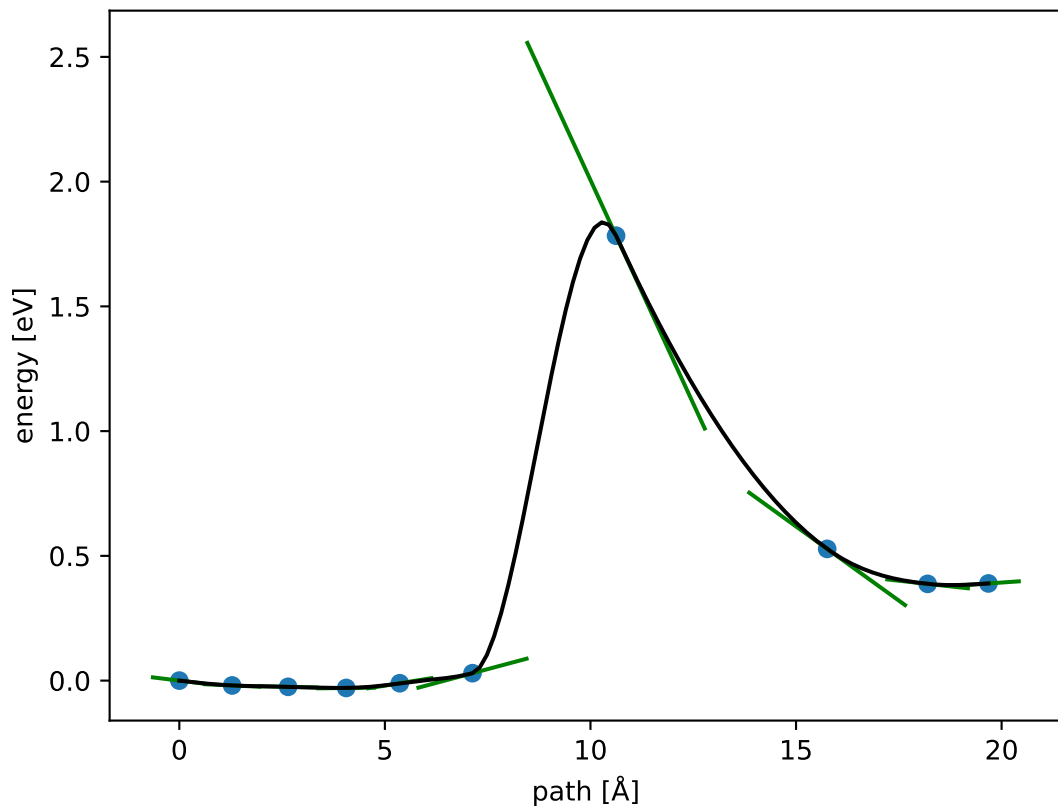
$$E_f \approx 1.782 \text{ eV}; E_r \approx 1.392 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



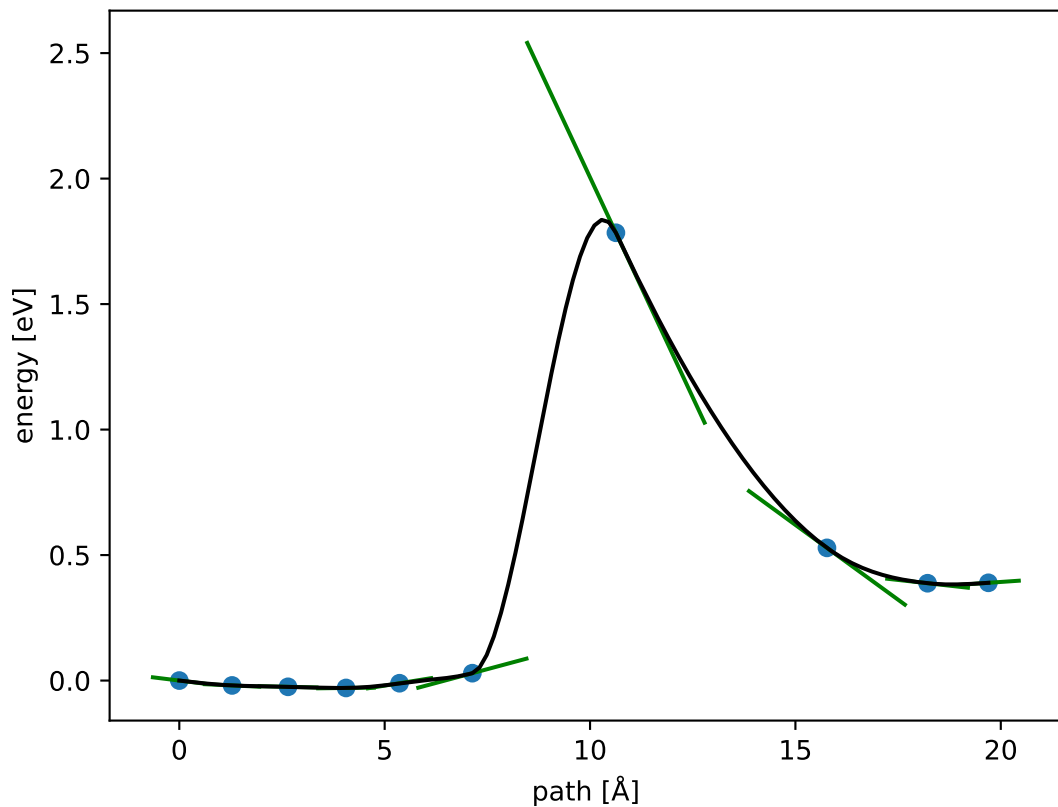
$$E_f \approx 1.782 \text{ eV}; E_r \approx 1.393 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



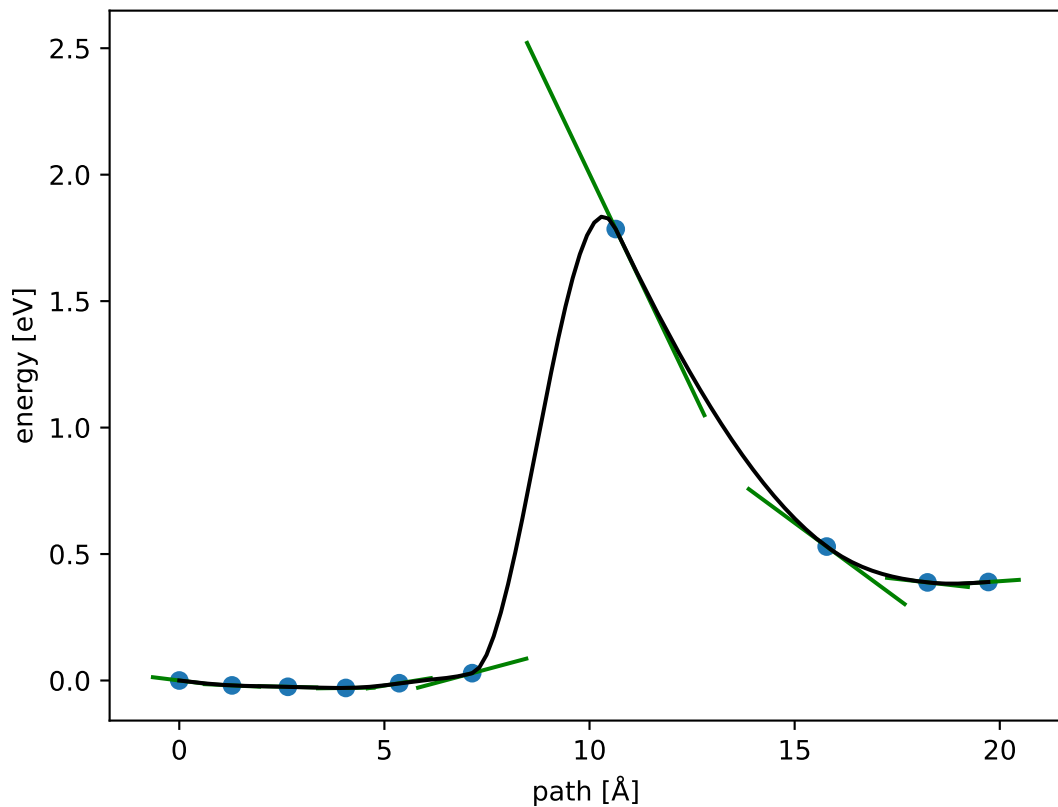
$$E_f \approx 1.783 \text{ eV}; E_r \approx 1.394 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



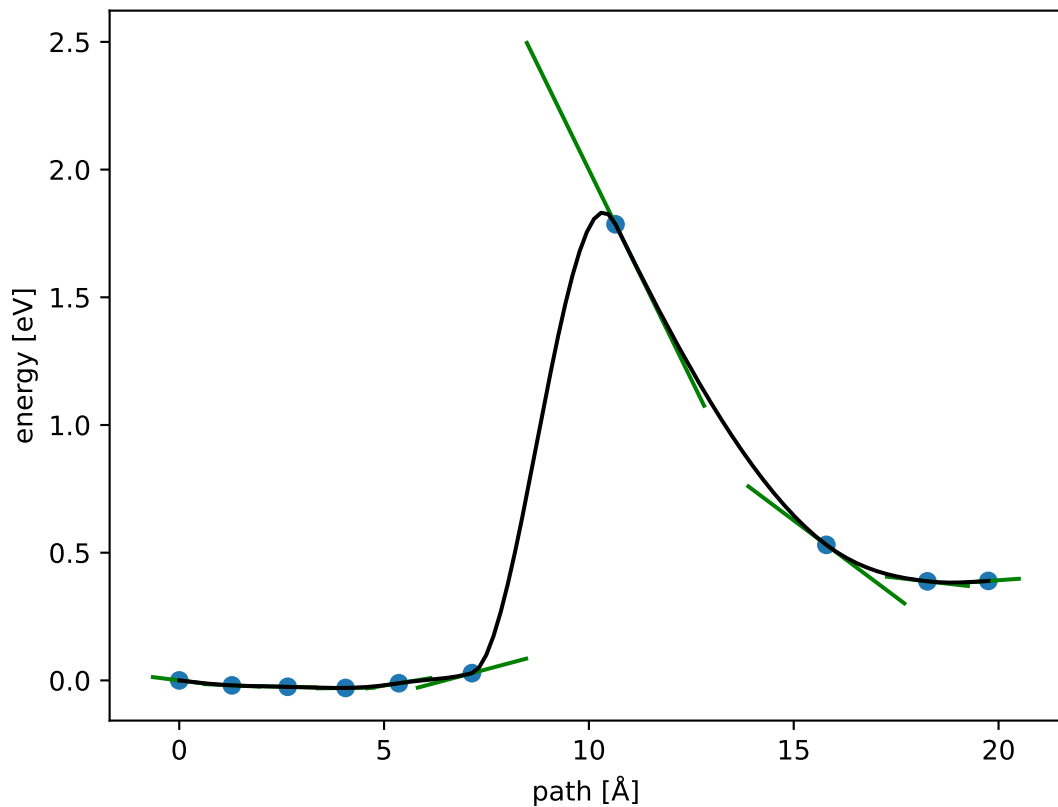
$$E_f \approx 1.784 \text{ eV}; E_r \approx 1.395 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



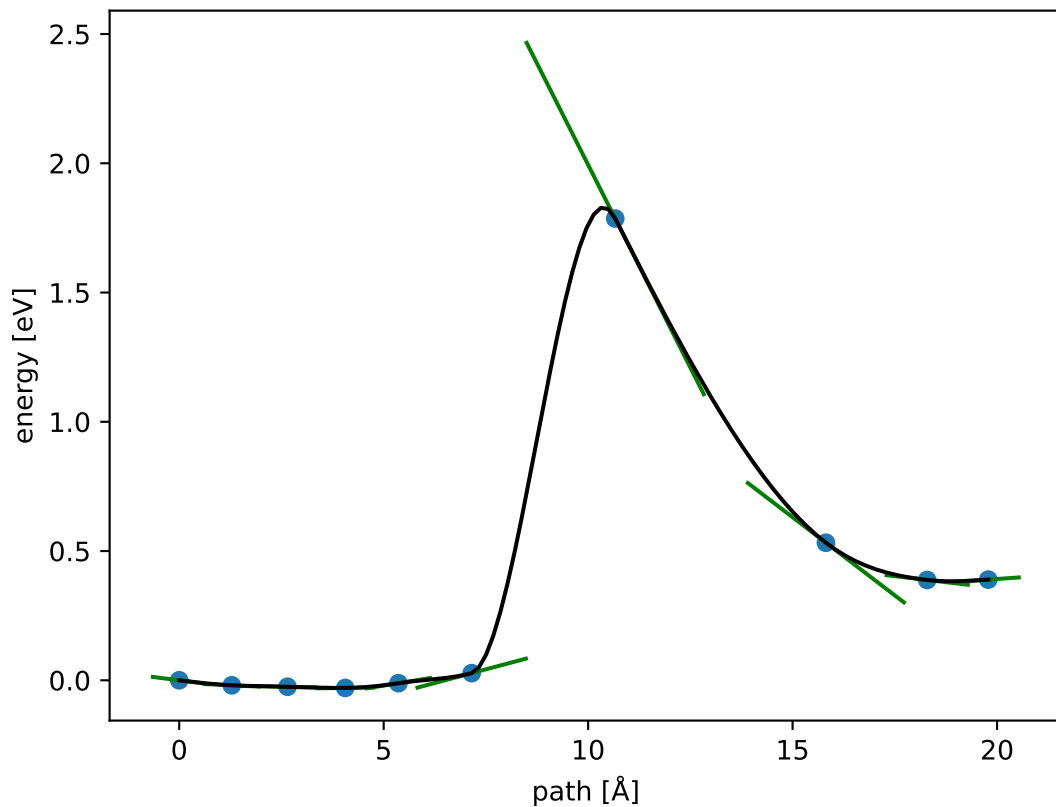
$$E_f \approx 1.785 \text{ eV}; E_r \approx 1.395 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.786 \text{ eV}; E_r \approx 1.396 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

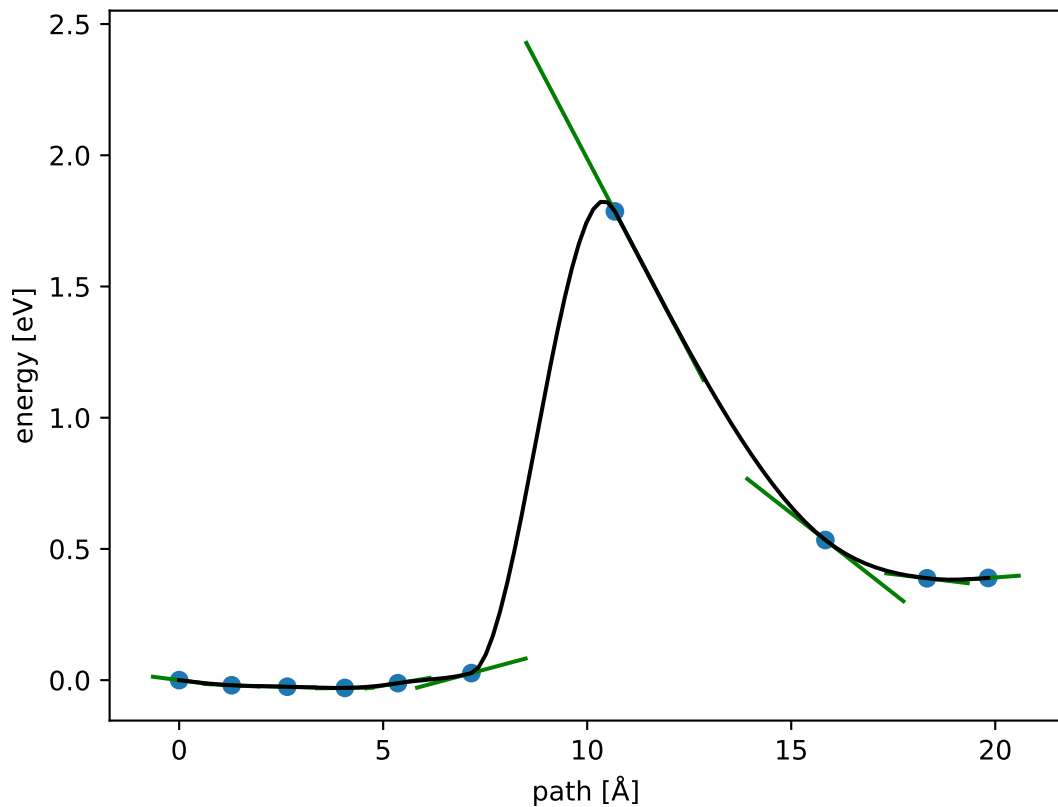


$$E_f \approx 1.786 \text{ eV}; E_r \approx 1.397 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

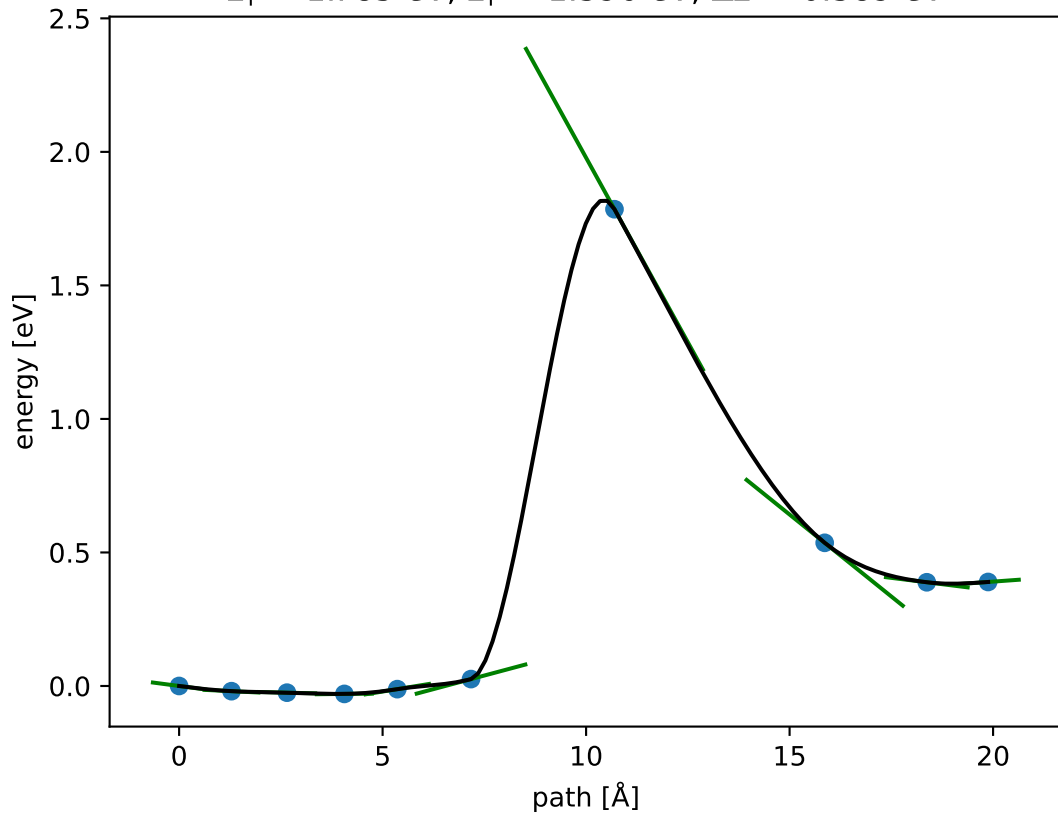




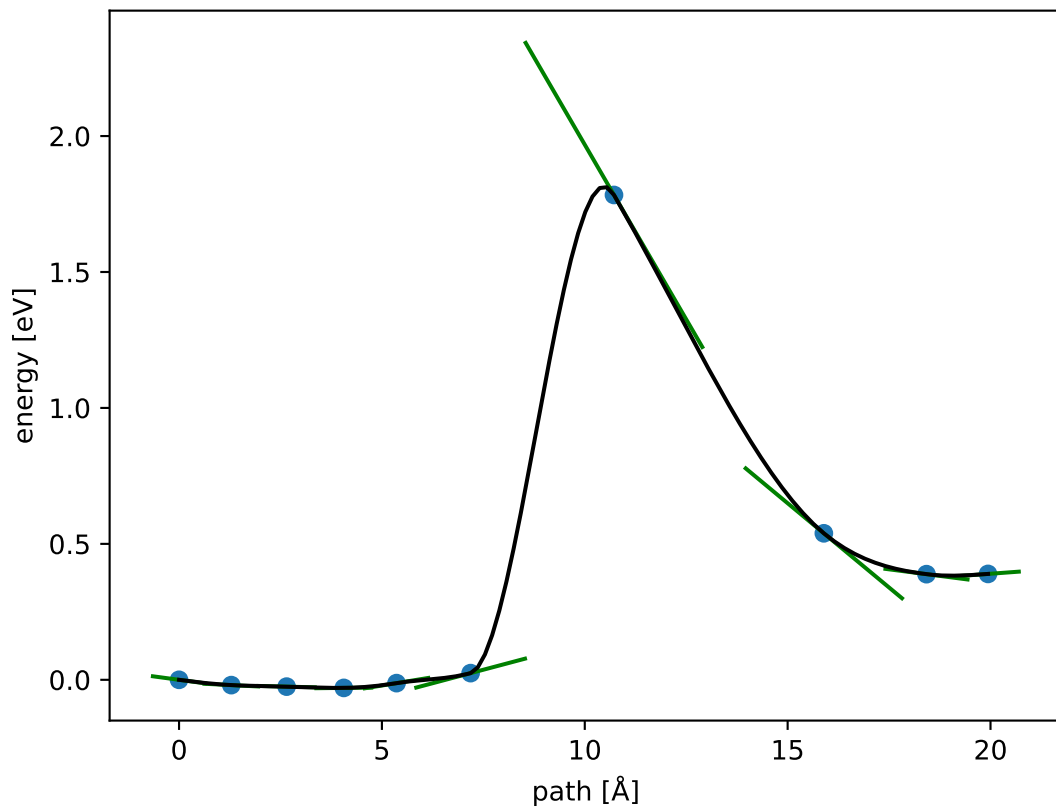
$$E_f \approx 1.786 \text{ eV}; E_r \approx 1.397 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



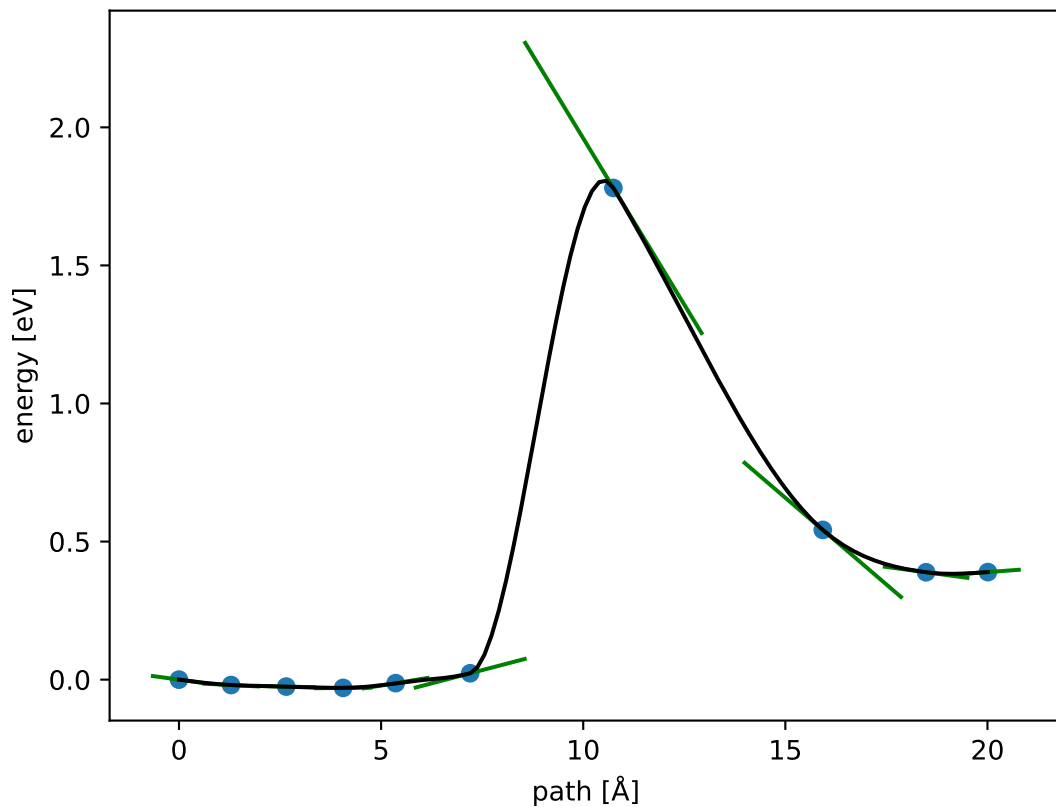
$$E_f \approx 1.785 \text{ eV}; E_r \approx 1.396 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



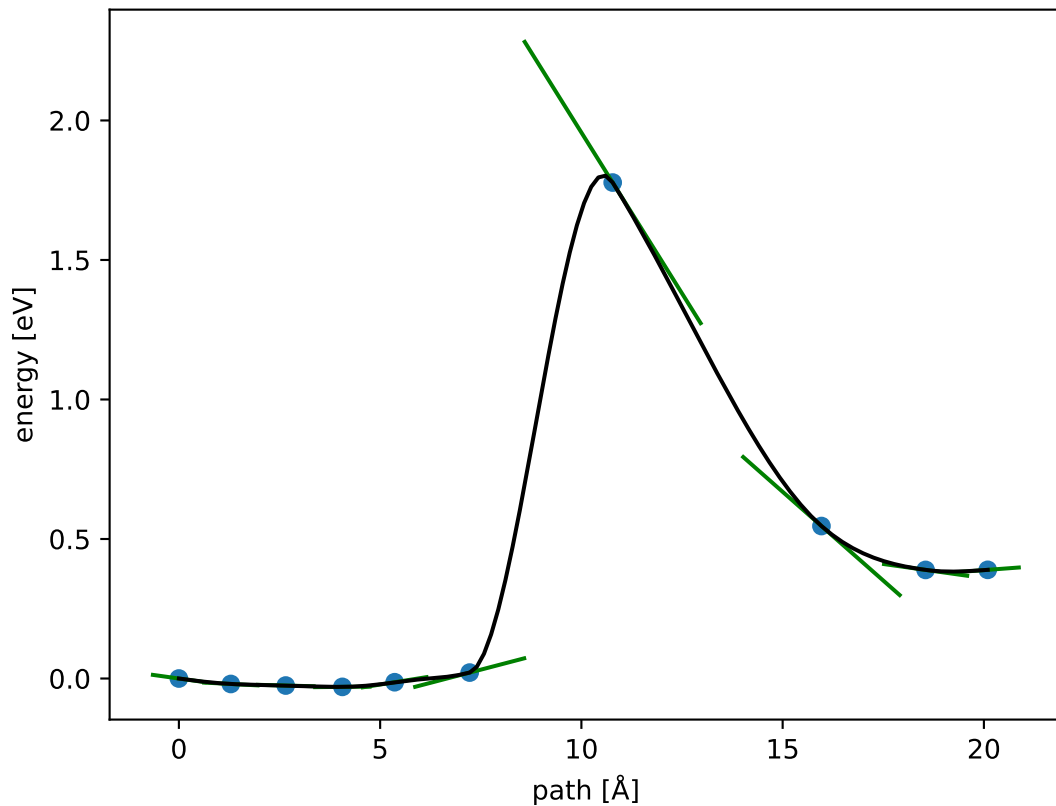
$$E_f \approx 1.783 \text{ eV}; E_r \approx 1.394 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



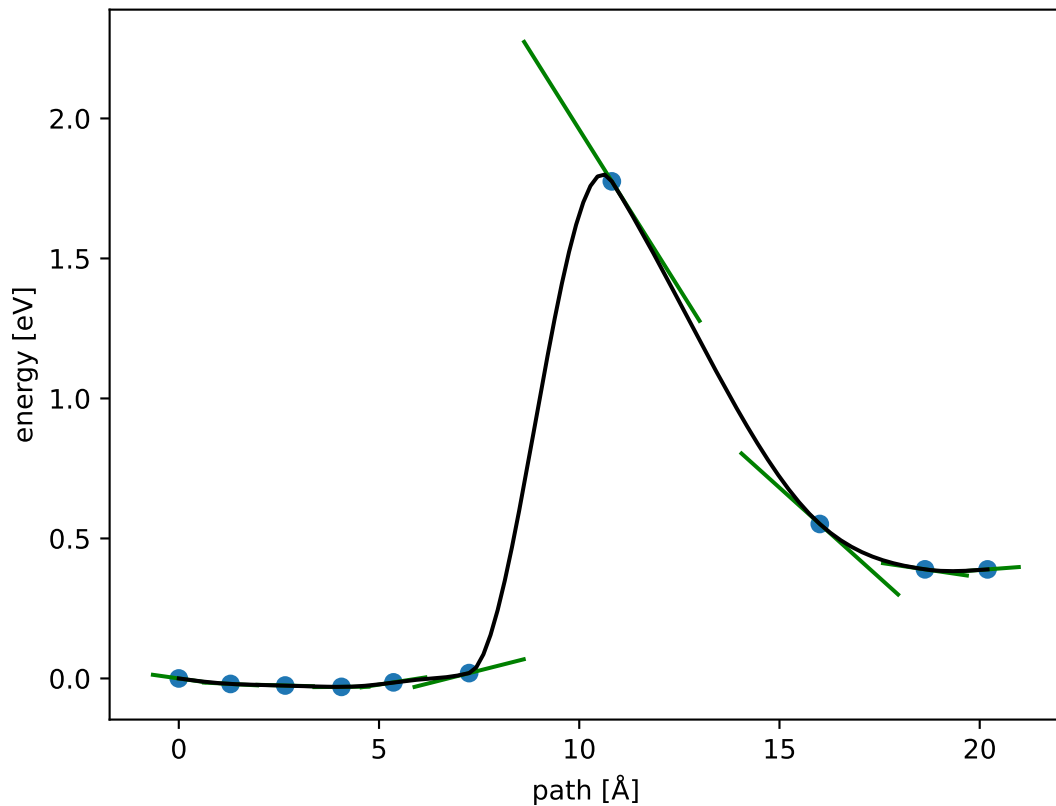
$$E_f \approx 1.780 \text{ eV}; E_r \approx 1.391 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



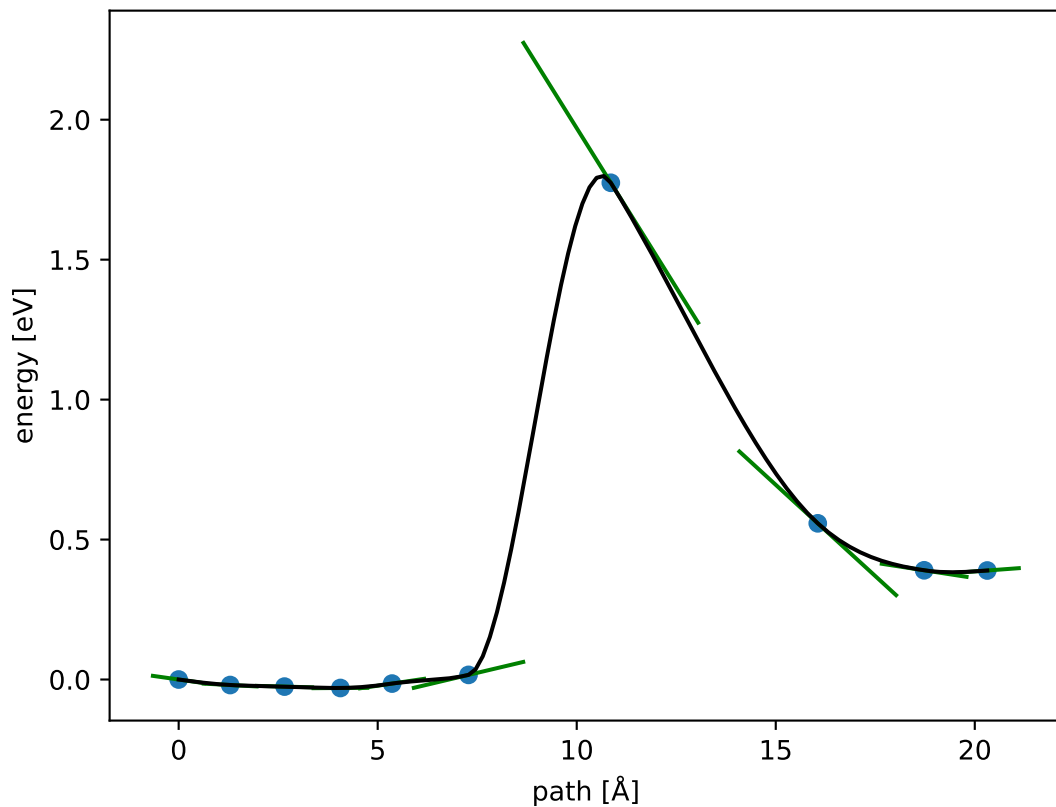
$$E_f \approx 1.777 \text{ eV}; E_r \approx 1.388 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



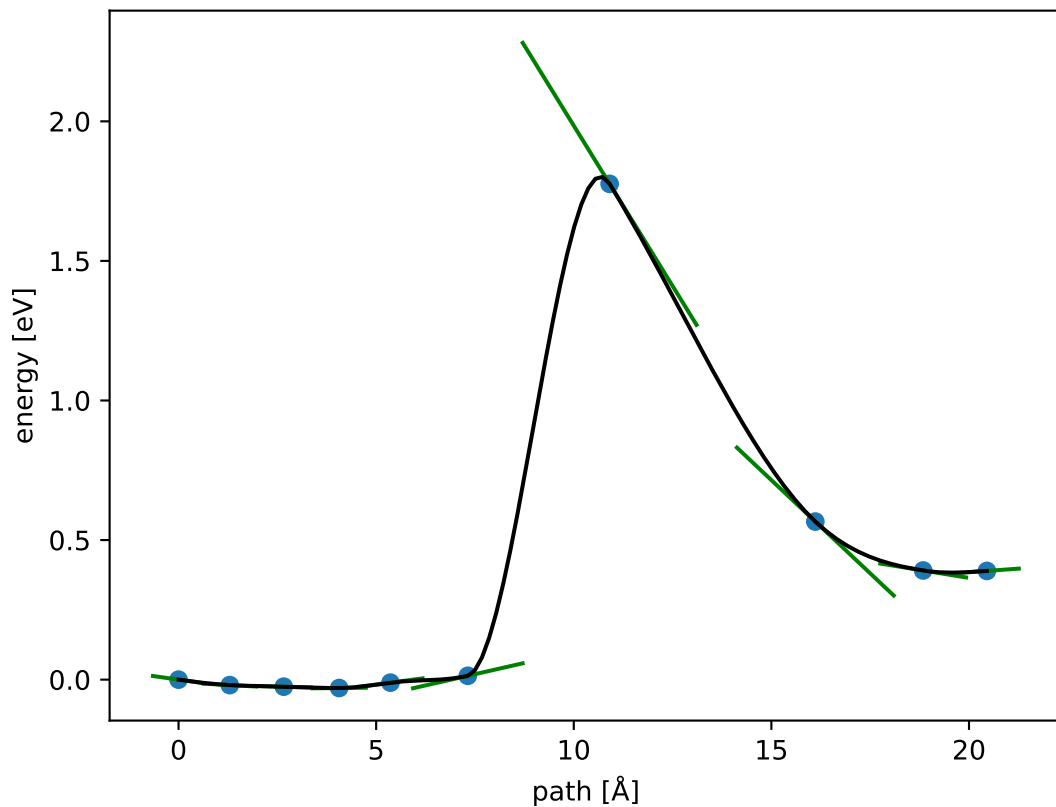
$$E_f \approx 1.775 \text{ eV}; E_r \approx 1.386 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.775 \text{ eV}; E_r \approx 1.385 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

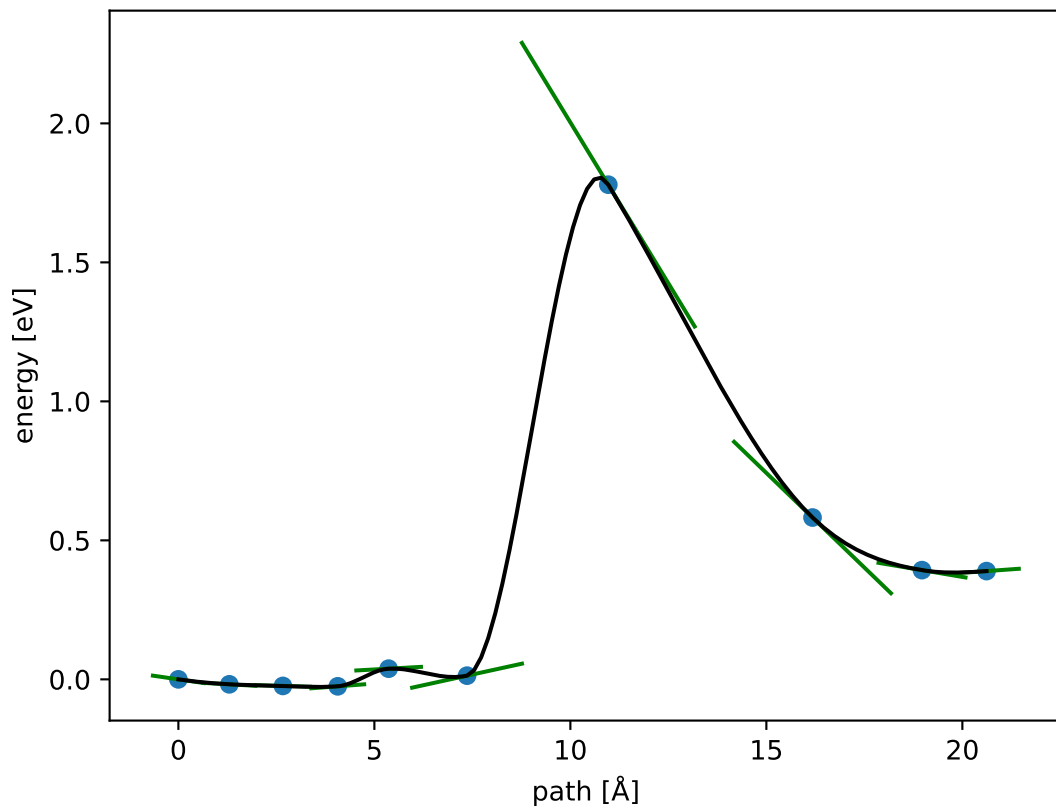


$$E_f \approx 1.776 \text{ eV}; E_r \approx 1.387 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

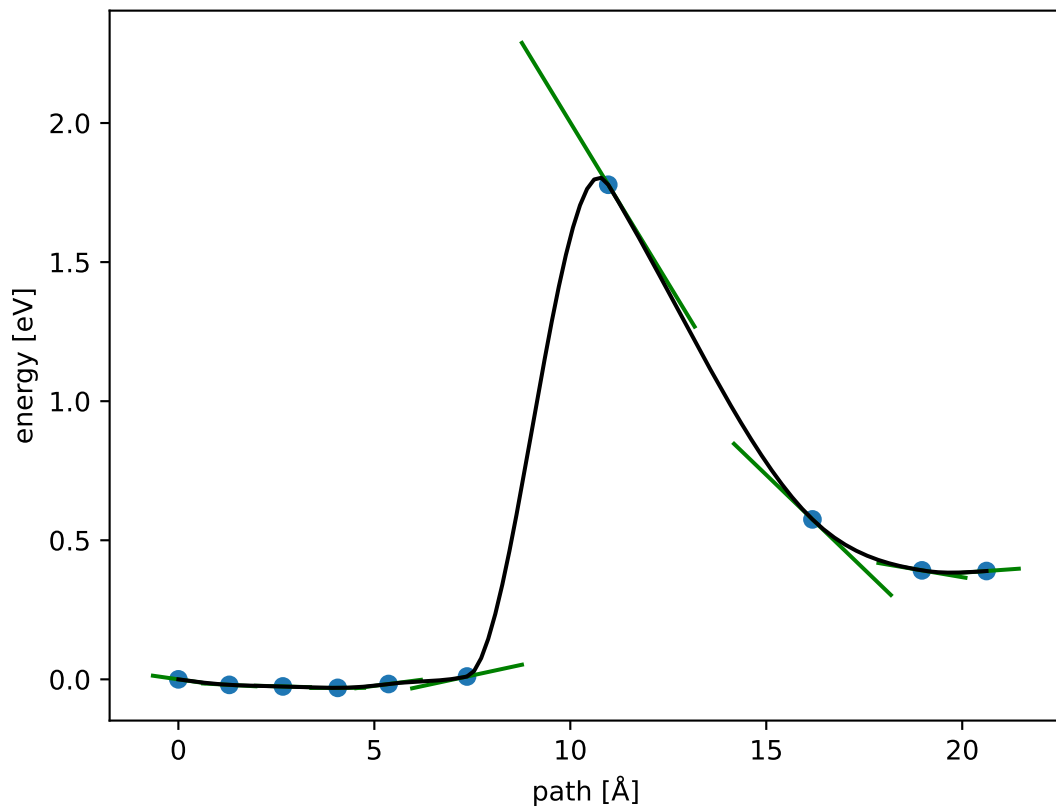




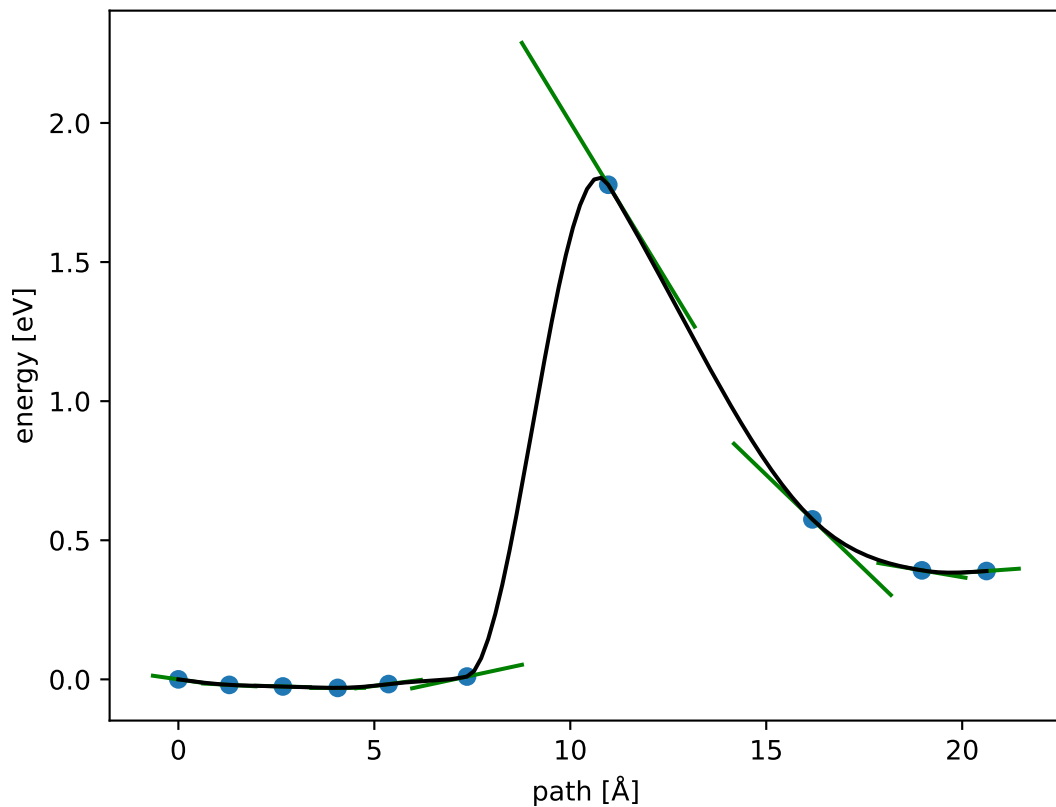
$$E_f \approx 1.779 \text{ eV}; E_r \approx 1.390 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



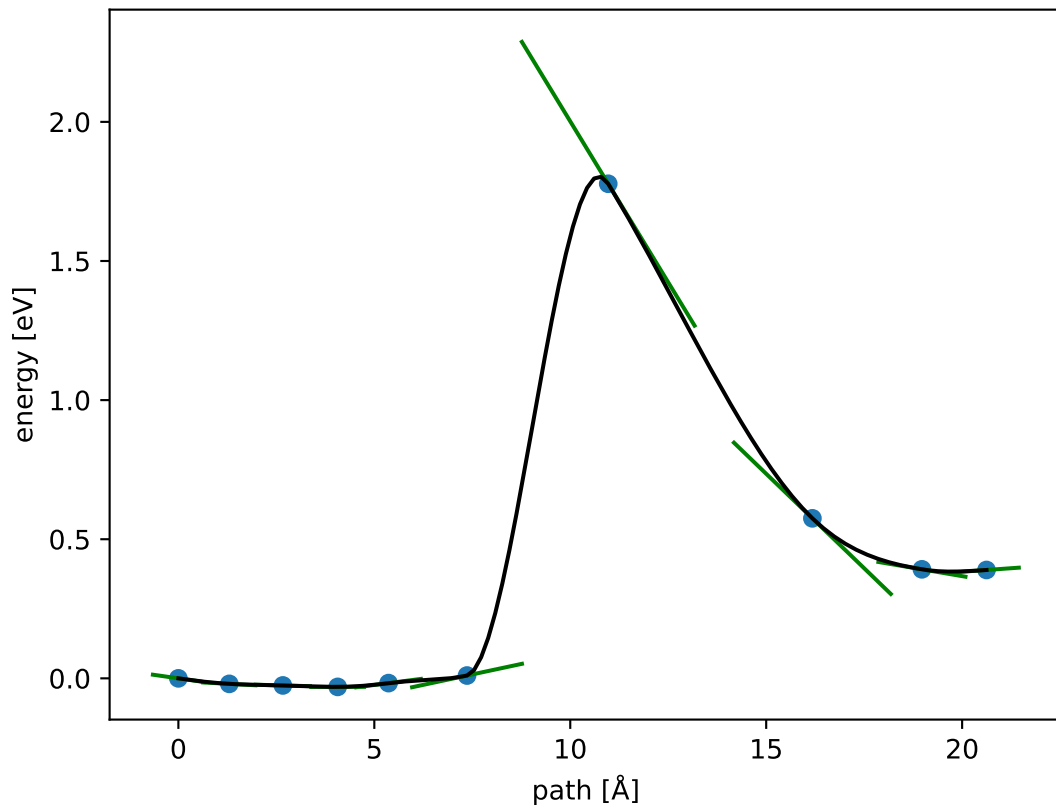
$$E_f \approx 1.778 \text{ eV}; E_r \approx 1.389 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



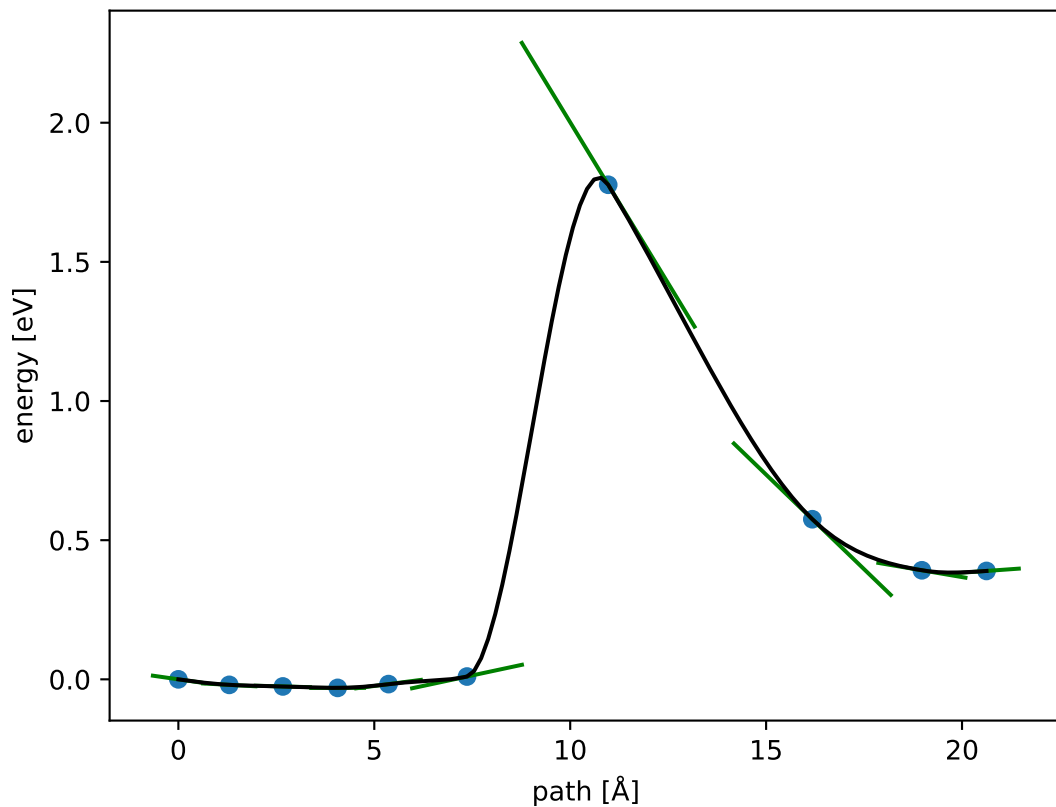
$$E_f \approx 1.778 \text{ eV}; E_r \approx 1.388 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



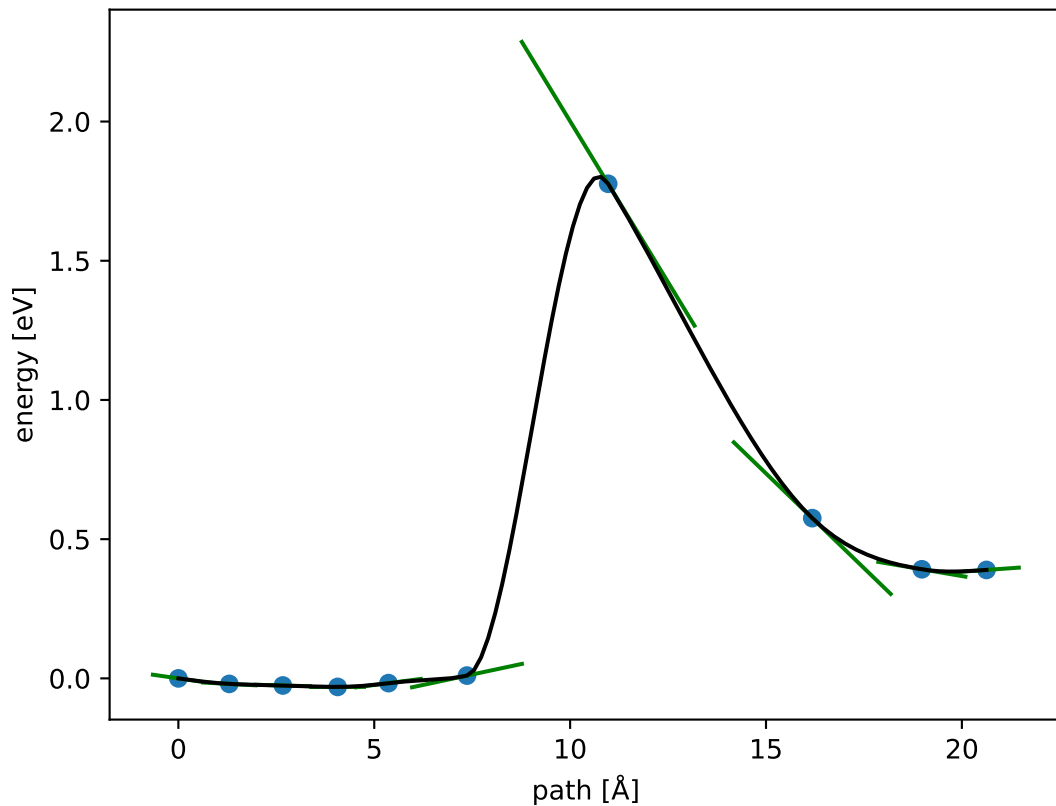
$$E_f \approx 1.778 \text{ eV}; E_r \approx 1.388 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



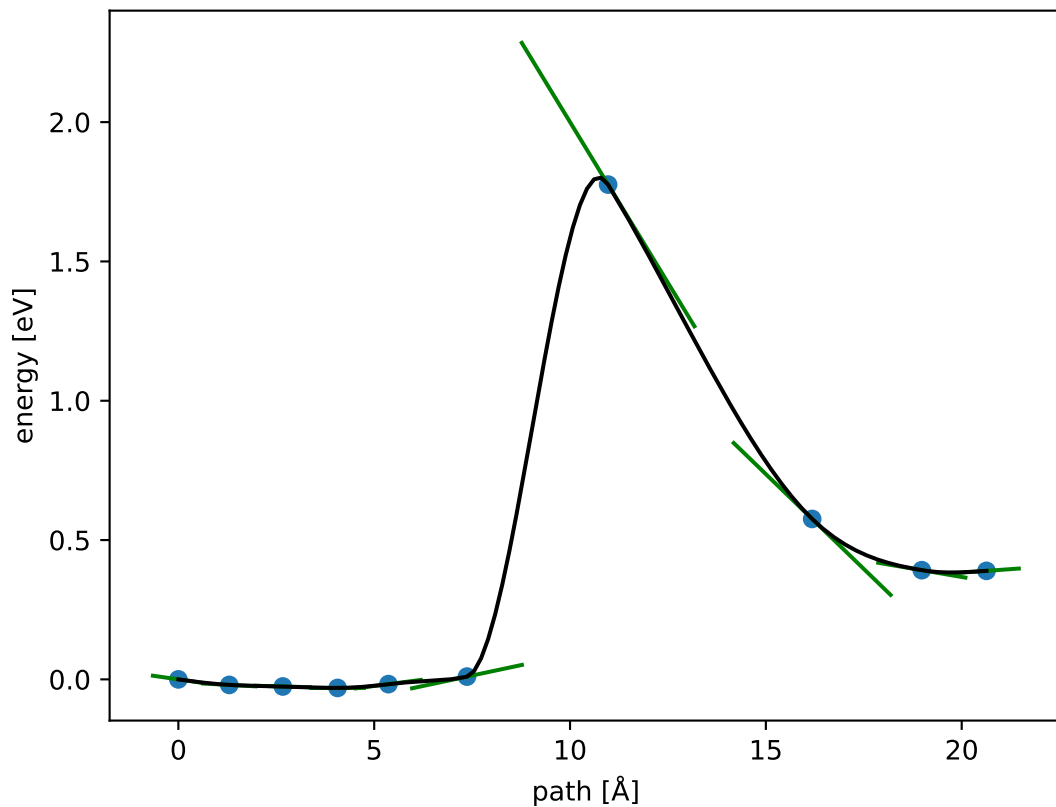
$$E_f \approx 1.777 \text{ eV}; E_r \approx 1.388 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



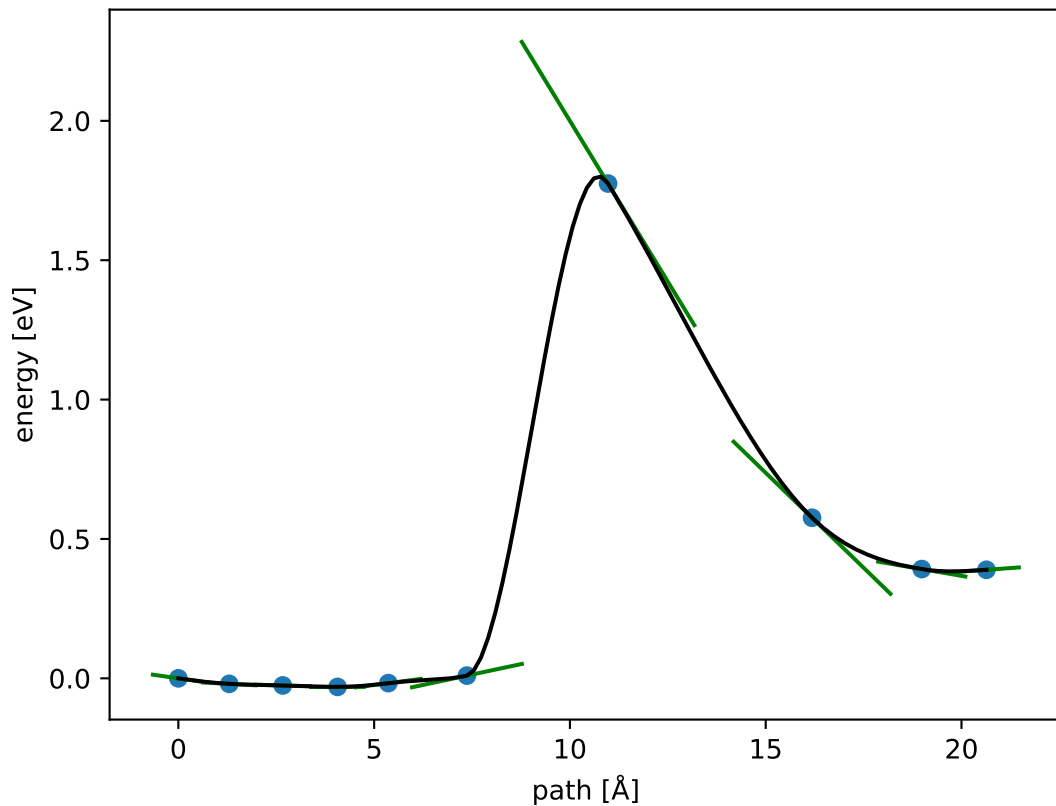
$$E_f \approx 1.776 \text{ eV}; E_r \approx 1.387 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.776 \text{ eV}; E_r \approx 1.386 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

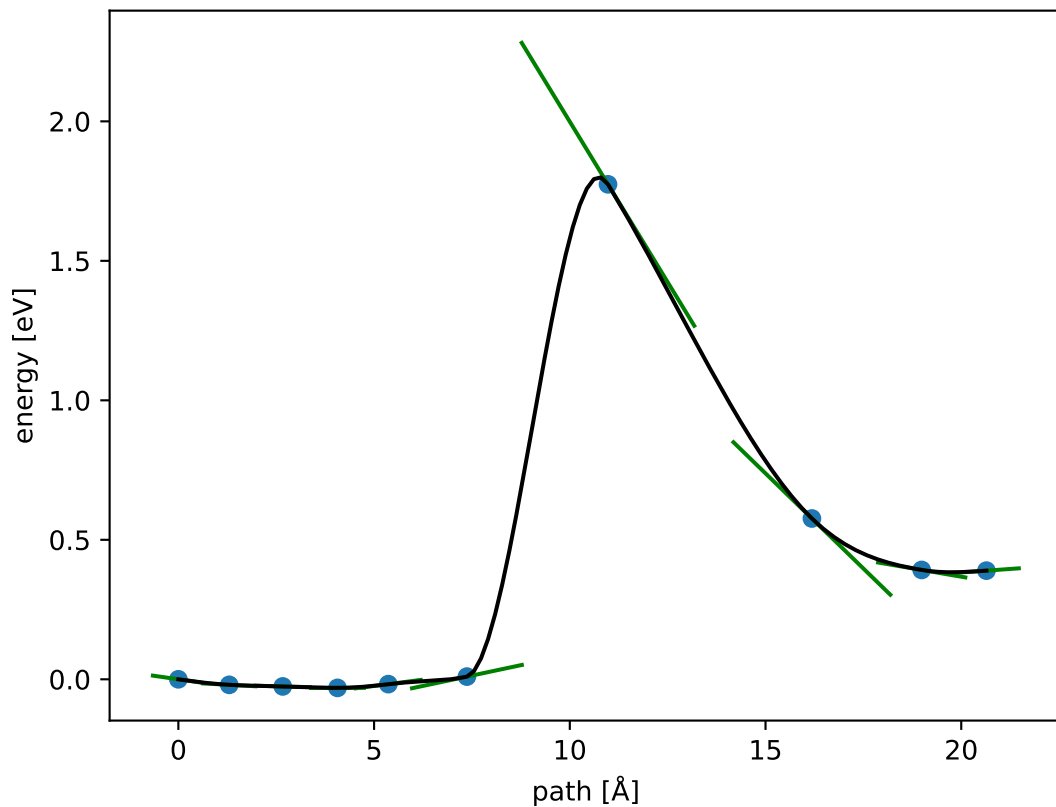


$$E_f \approx 1.775 \text{ eV}; E_r \approx 1.386 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

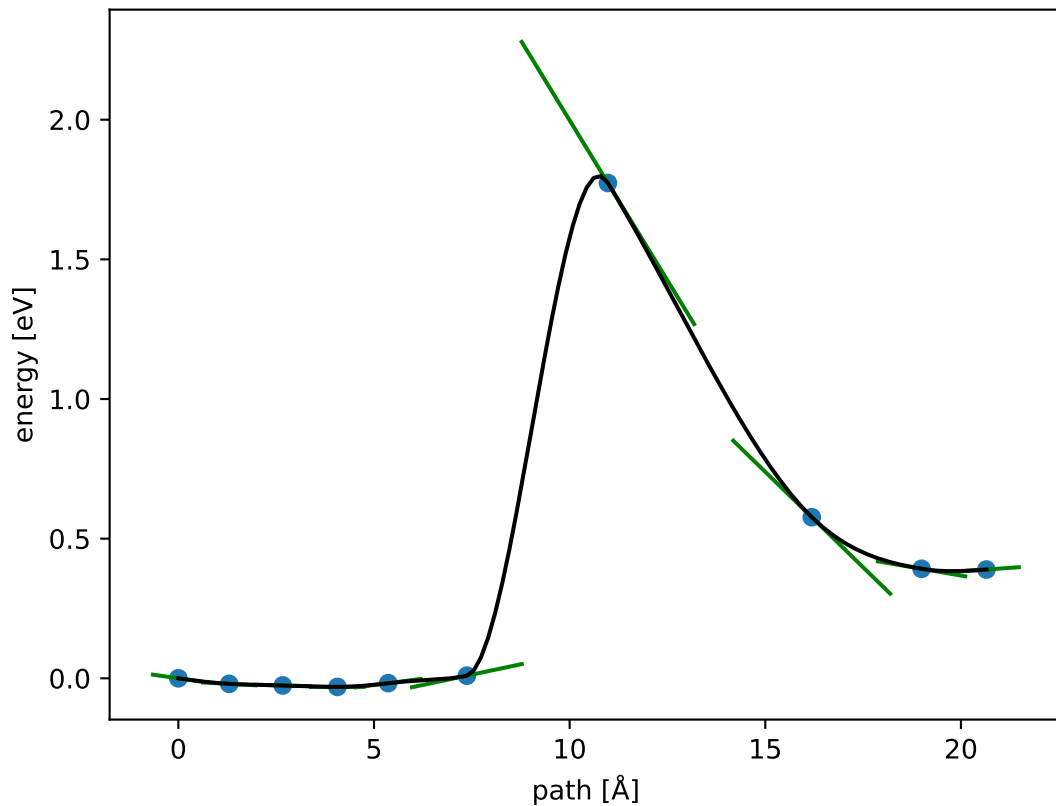




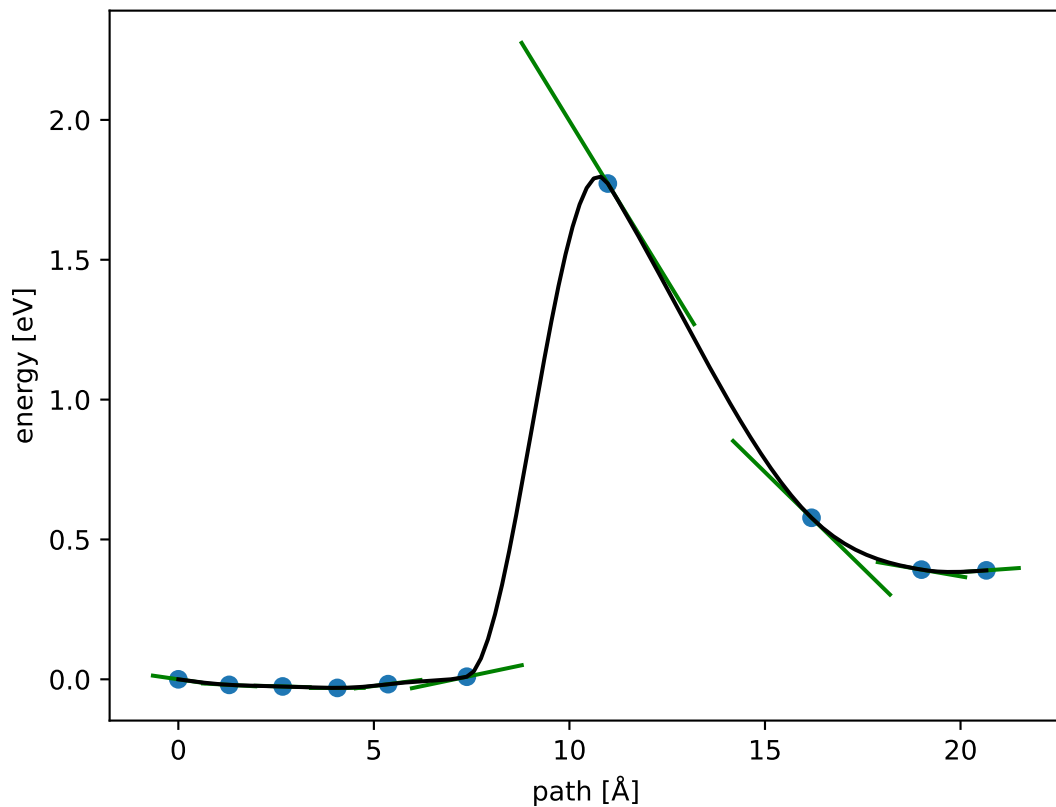
$$E_f \approx 1.774 \text{ eV}; E_r \approx 1.385 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



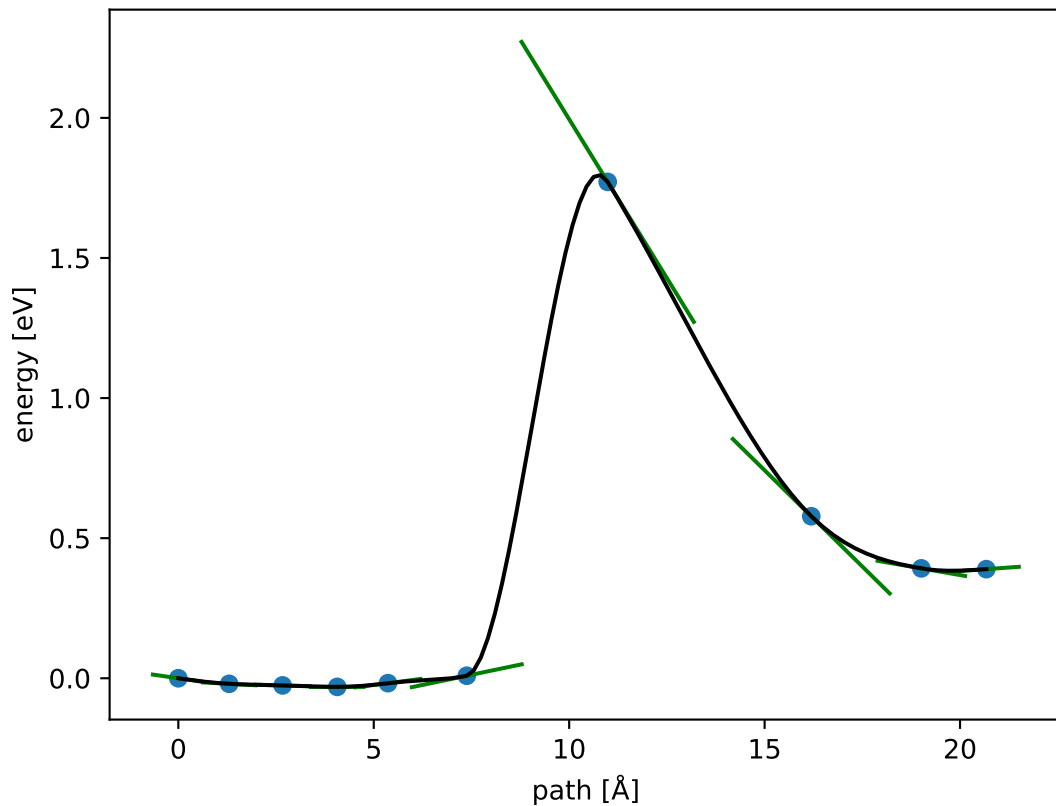
$$E_f \approx 1.773 \text{ eV}; E_r \approx 1.384 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



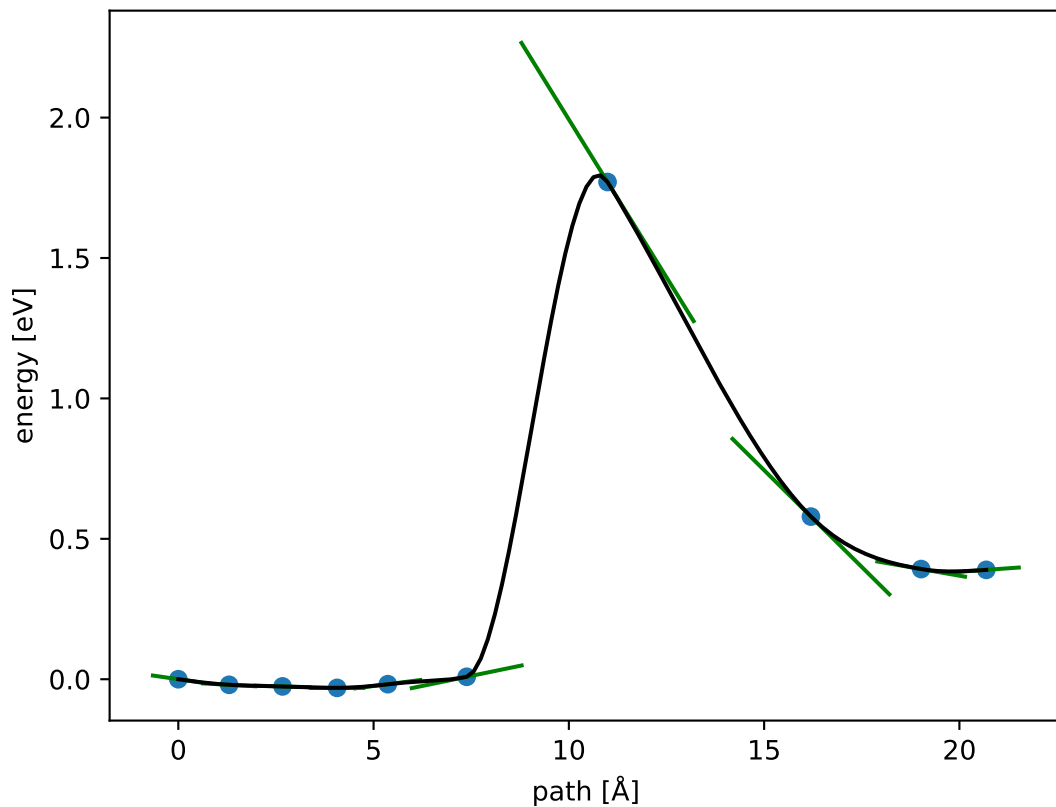
$$E_f \approx 1.772 \text{ eV}; E_r \approx 1.383 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



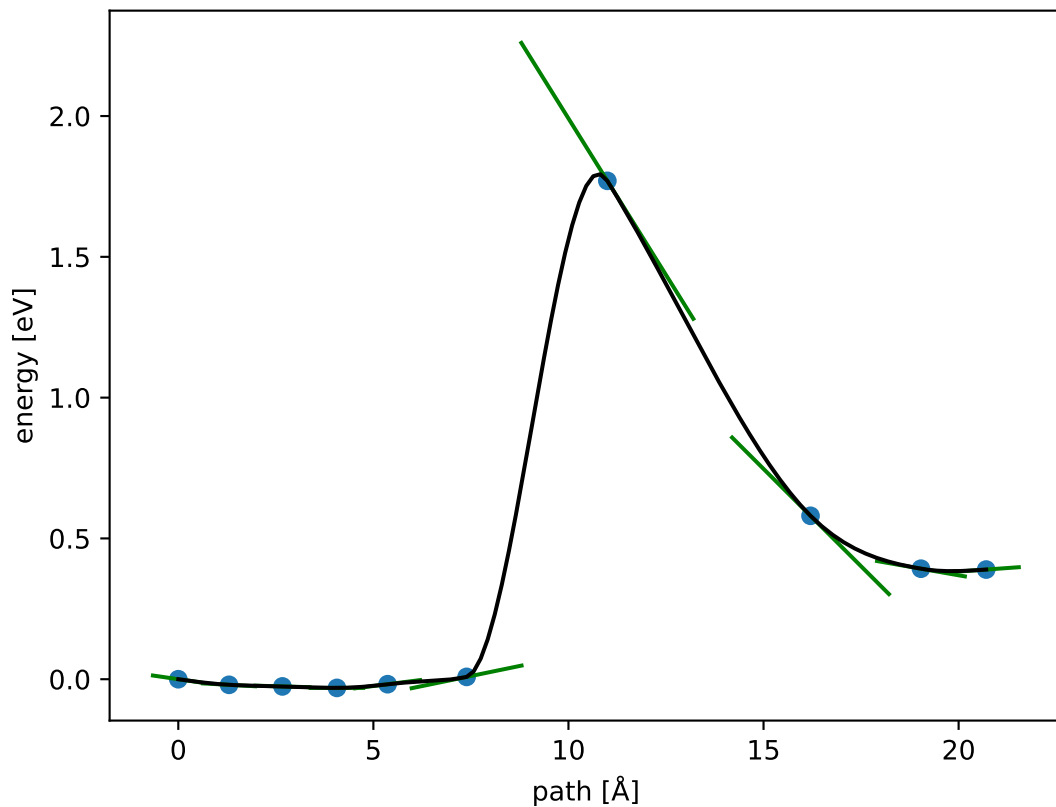
$$E_f \approx 1.772 \text{ eV}; E_r \approx 1.382 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



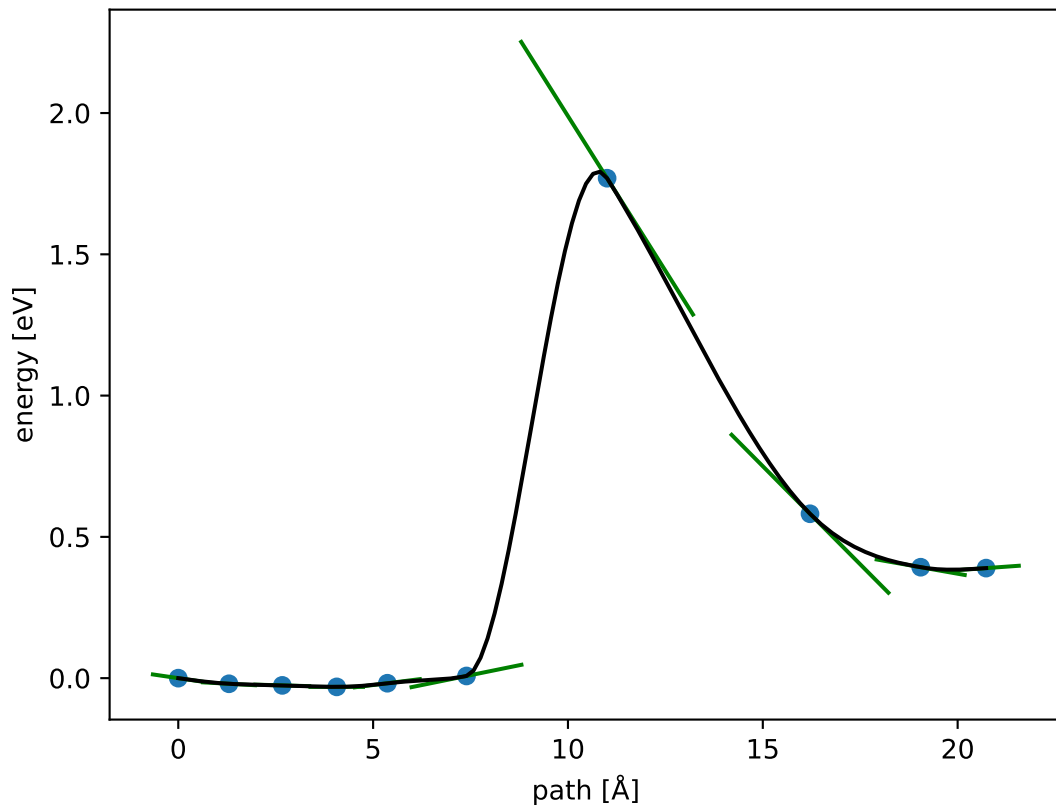
$$E_f \approx 1.771 \text{ eV}; E_r \approx 1.381 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



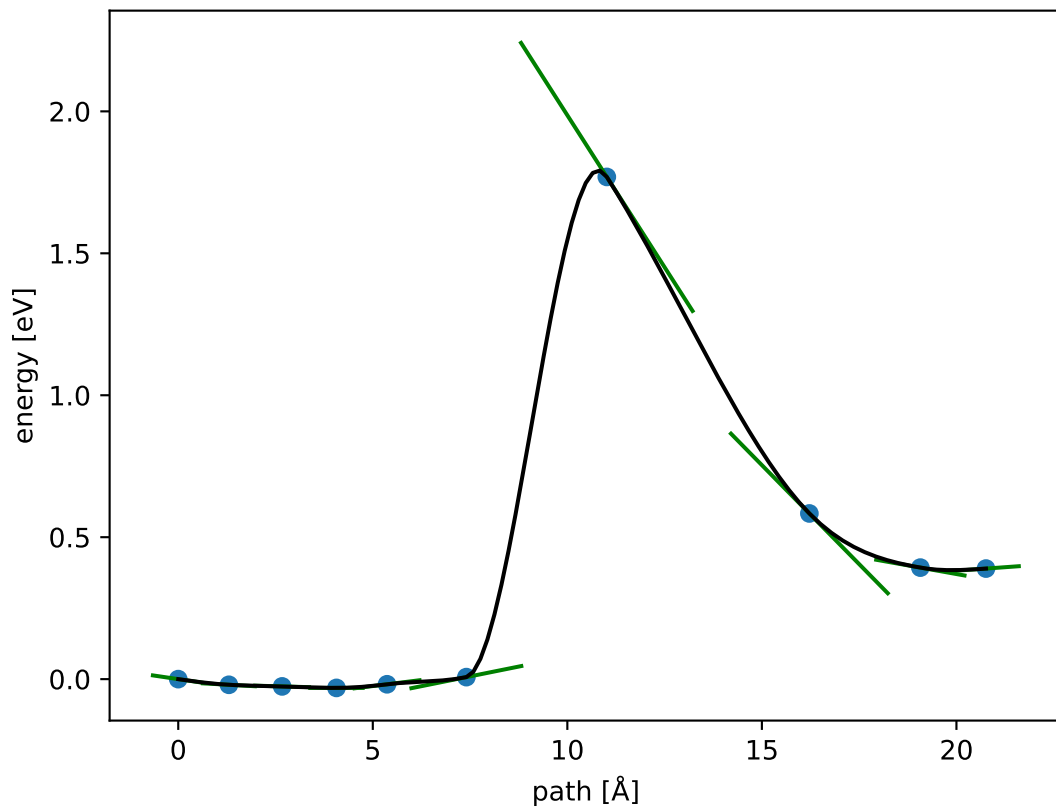
$$E_f \approx 1.770 \text{ eV}; E_r \approx 1.380 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.769 \text{ eV}; E_r \approx 1.380 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

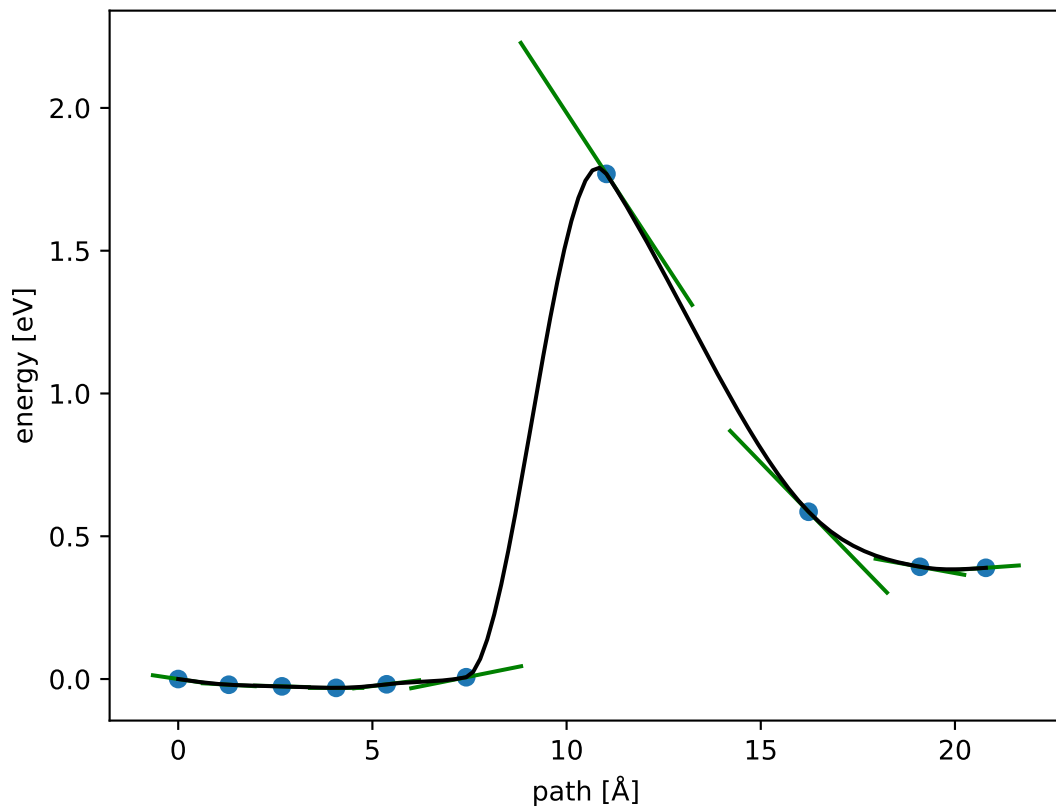


$$E_f \approx 1.769 \text{ eV}; E_r \approx 1.380 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

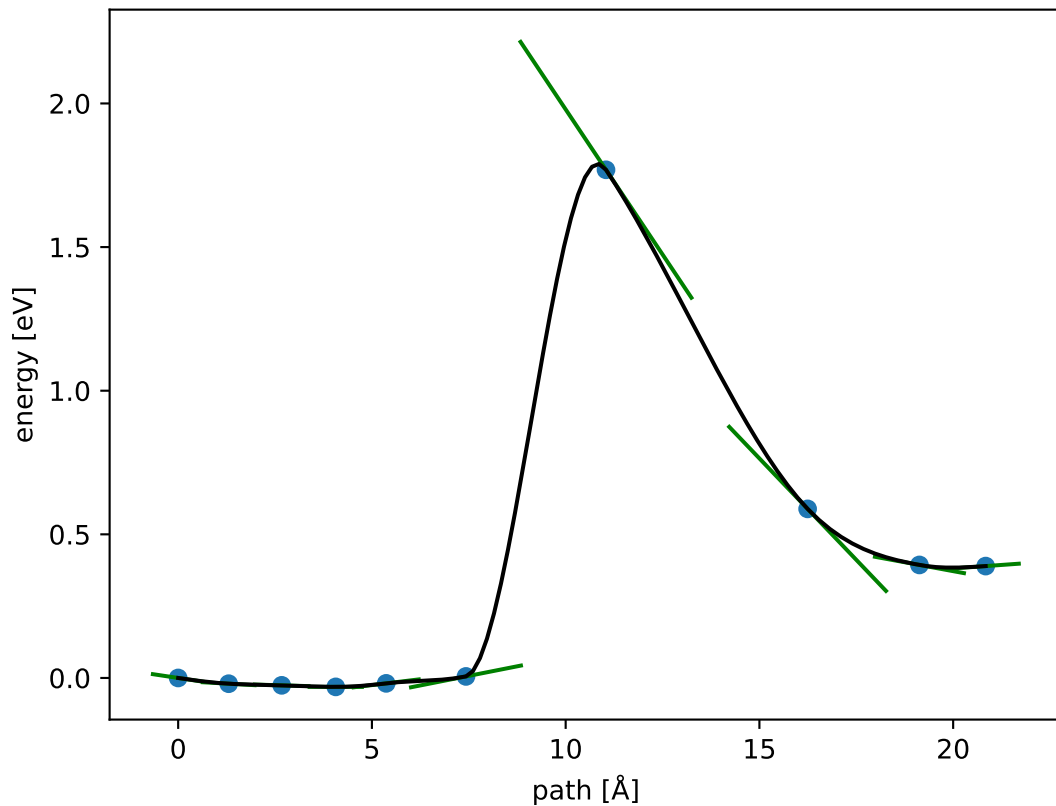




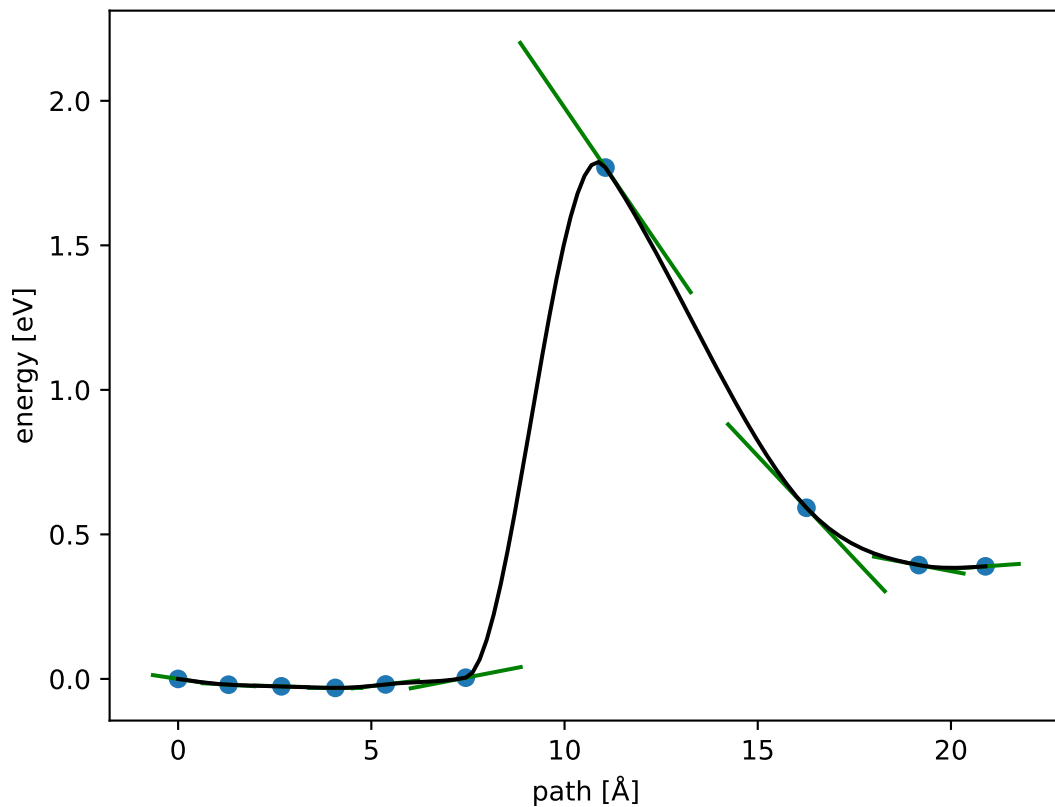
$$E_f \approx 1.769 \text{ eV}; E_r \approx 1.380 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



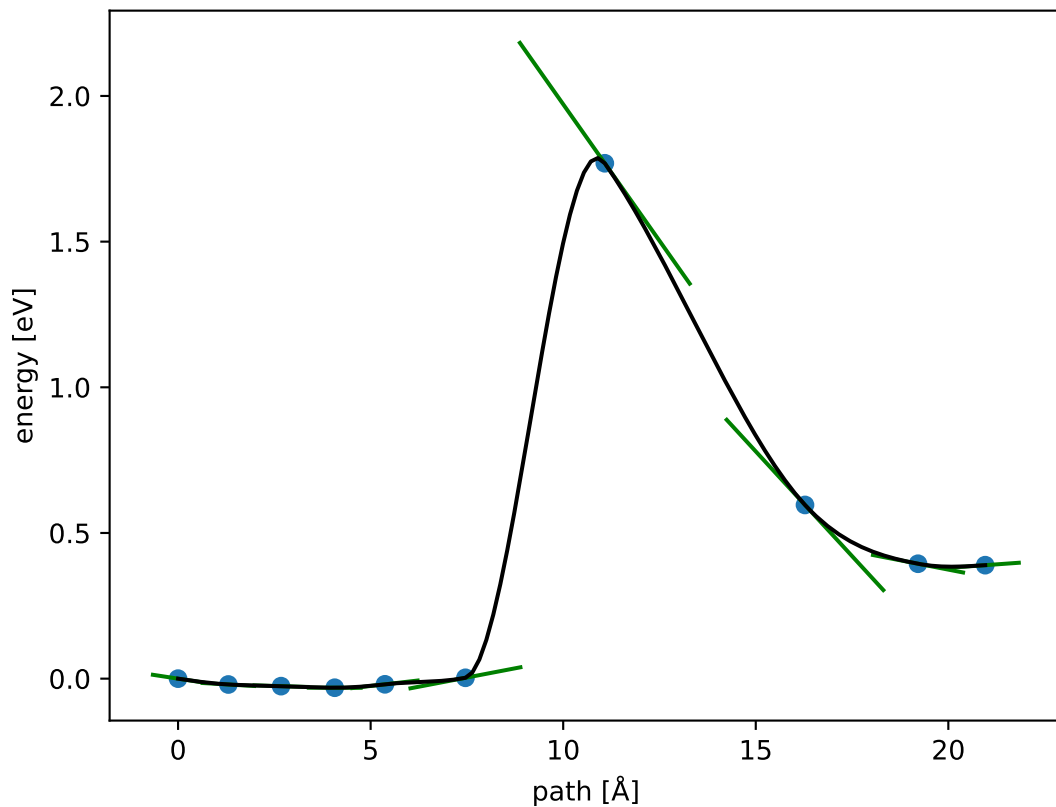
$$E_f \approx 1.769 \text{ eV}; E_r \approx 1.380 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



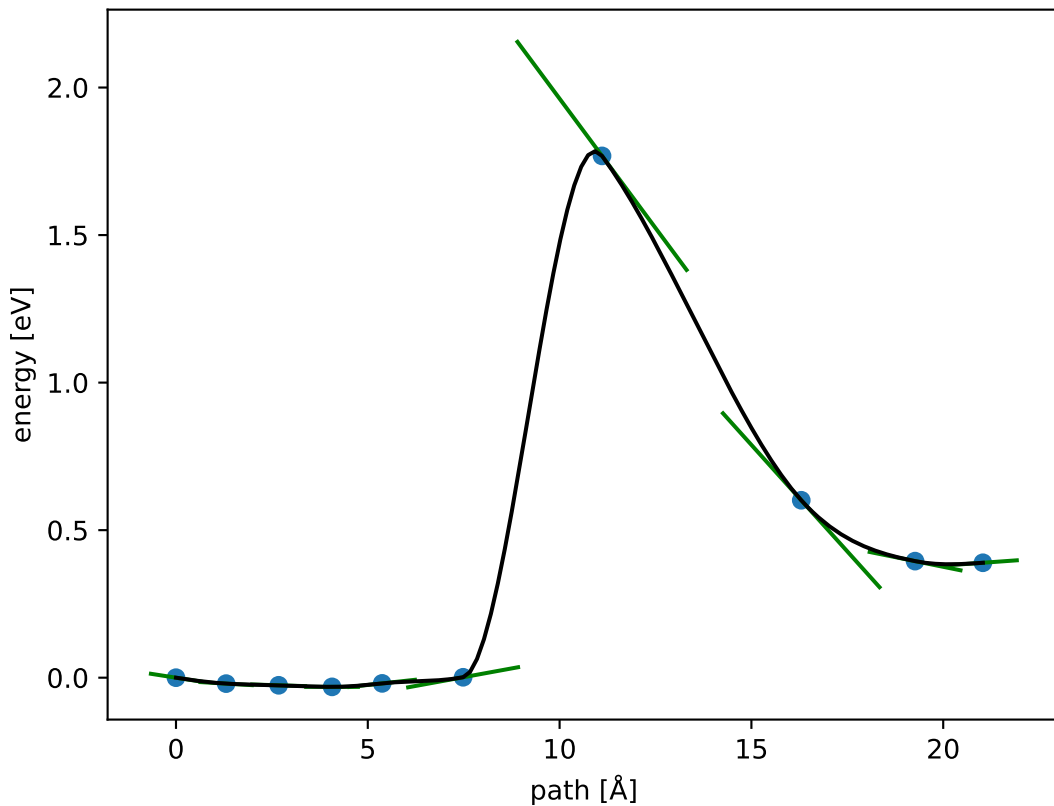
$$E_f \approx 1.769 \text{ eV}; E_r \approx 1.380 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



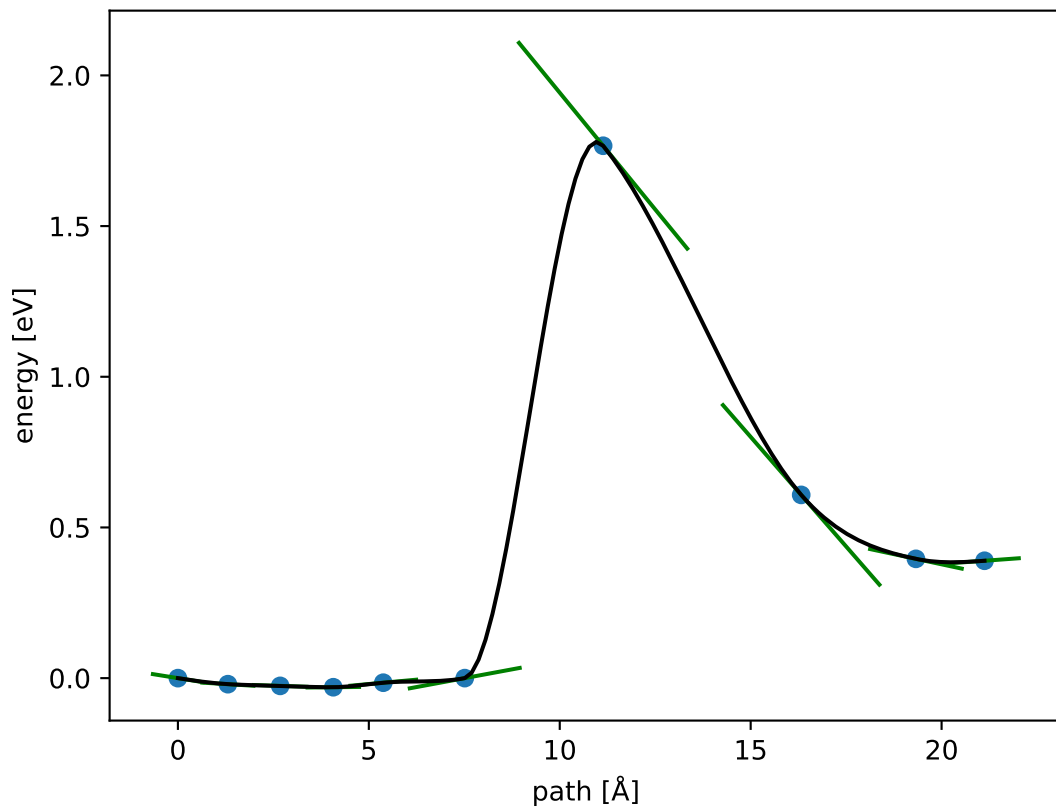
$$E_f \approx 1.769 \text{ eV}; E_r \approx 1.379 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



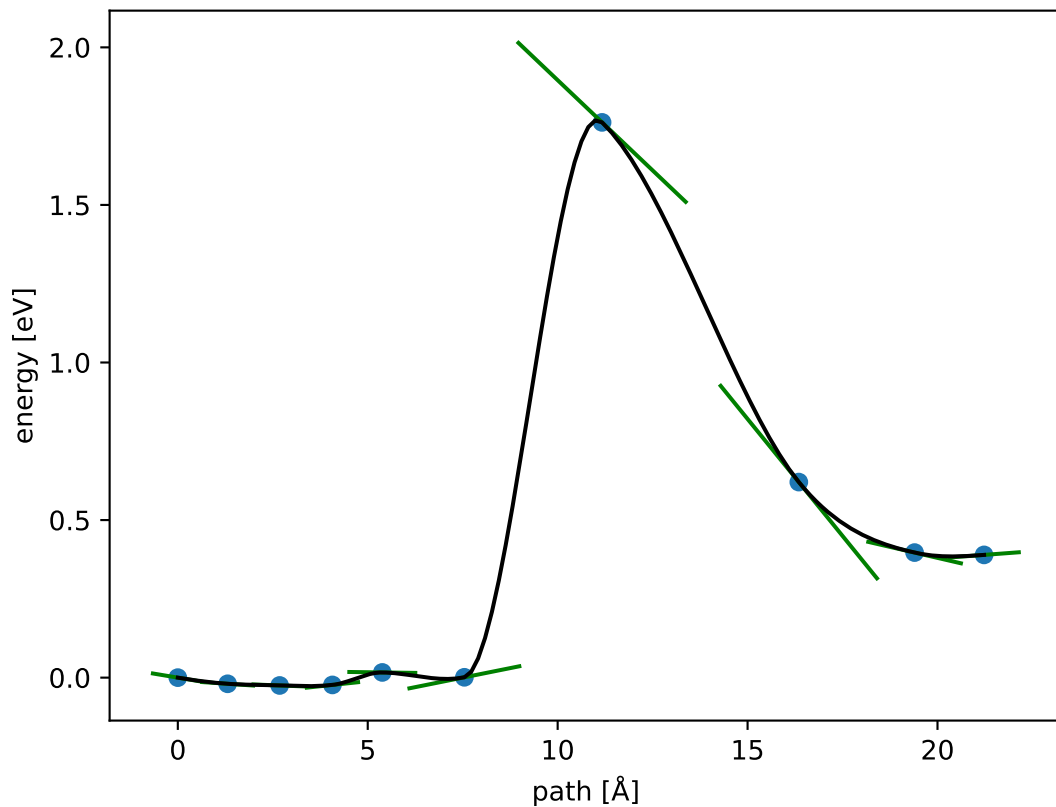
$$E_f \approx 1.768 \text{ eV}; E_r \approx 1.379 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



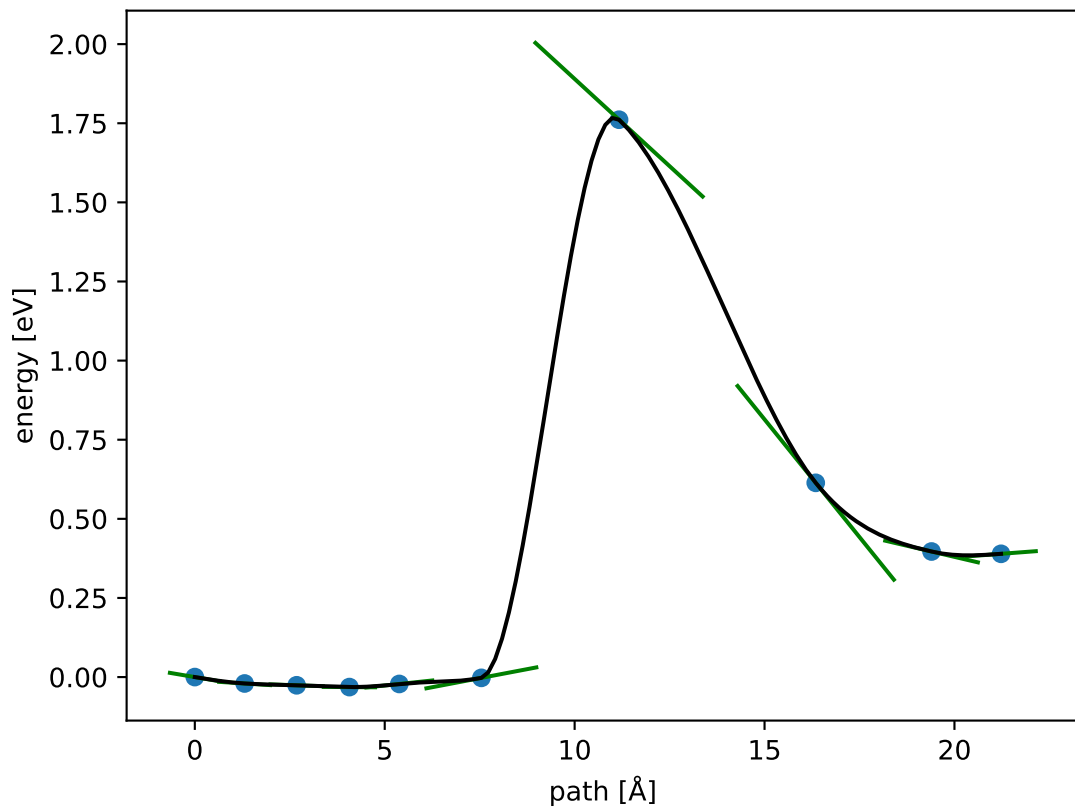
$$E_f \approx 1.767 \text{ eV}; E_r \approx 1.377 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.762 \text{ eV}; E_r \approx 1.372 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

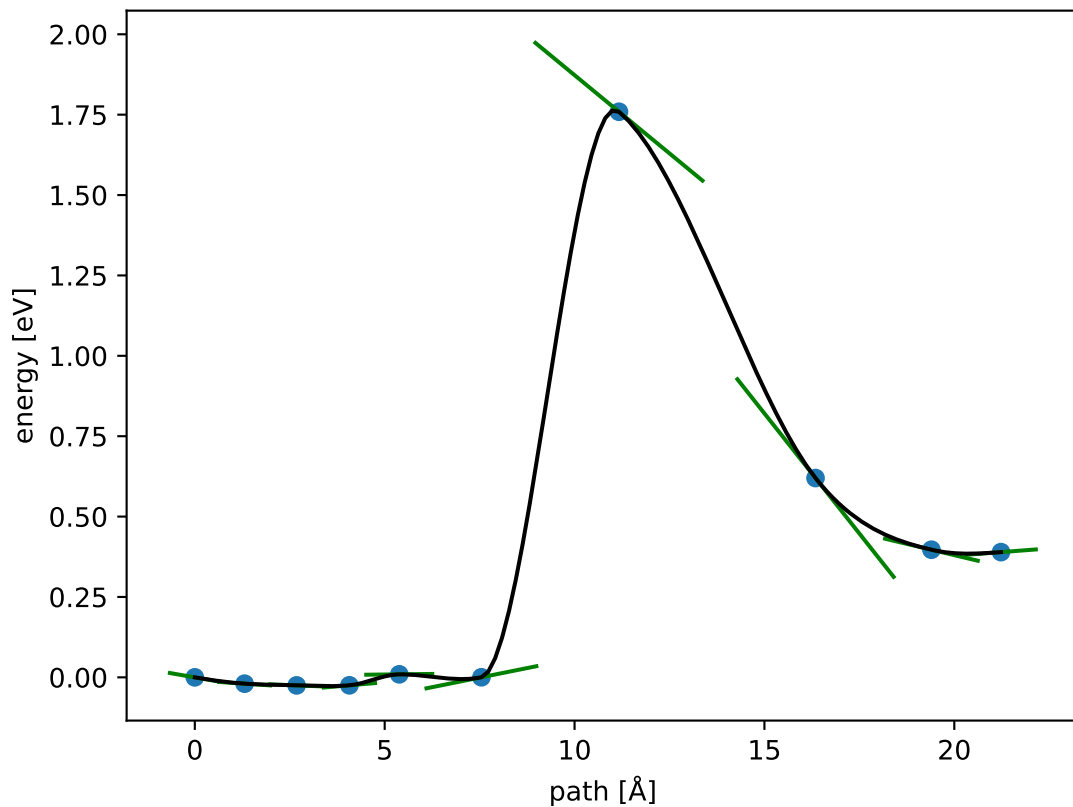


$$E_f \approx 1.761 \text{ eV}; E_r \approx 1.372 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

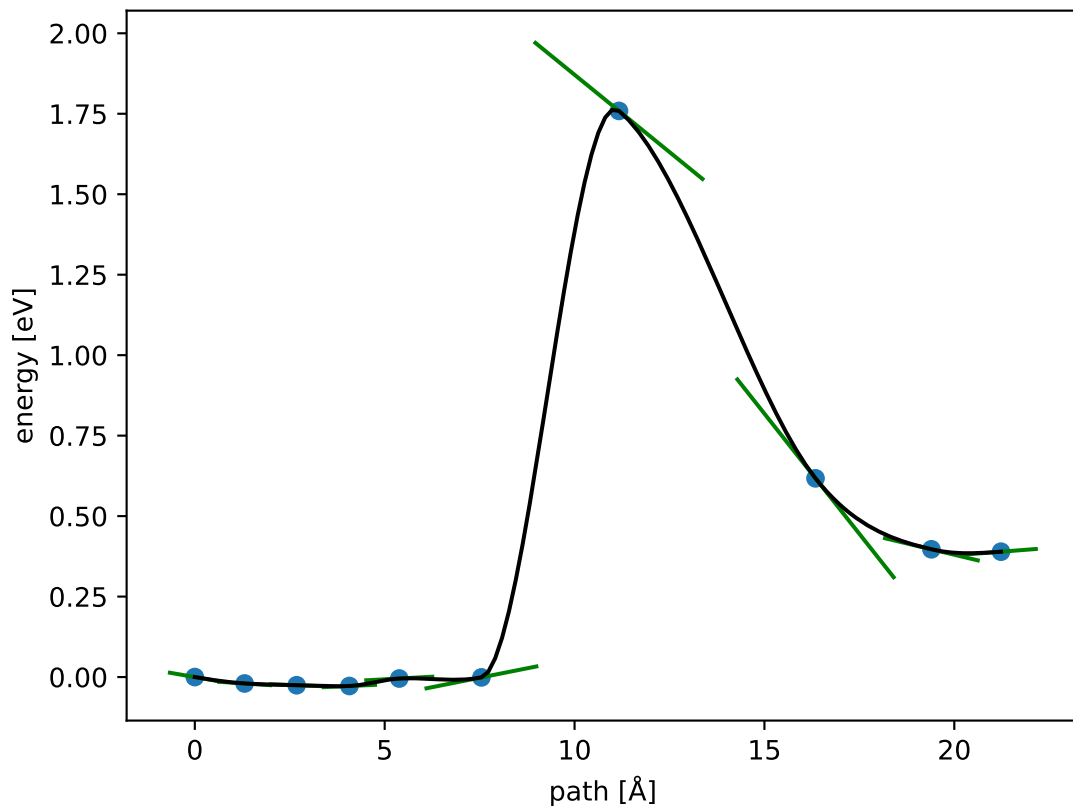




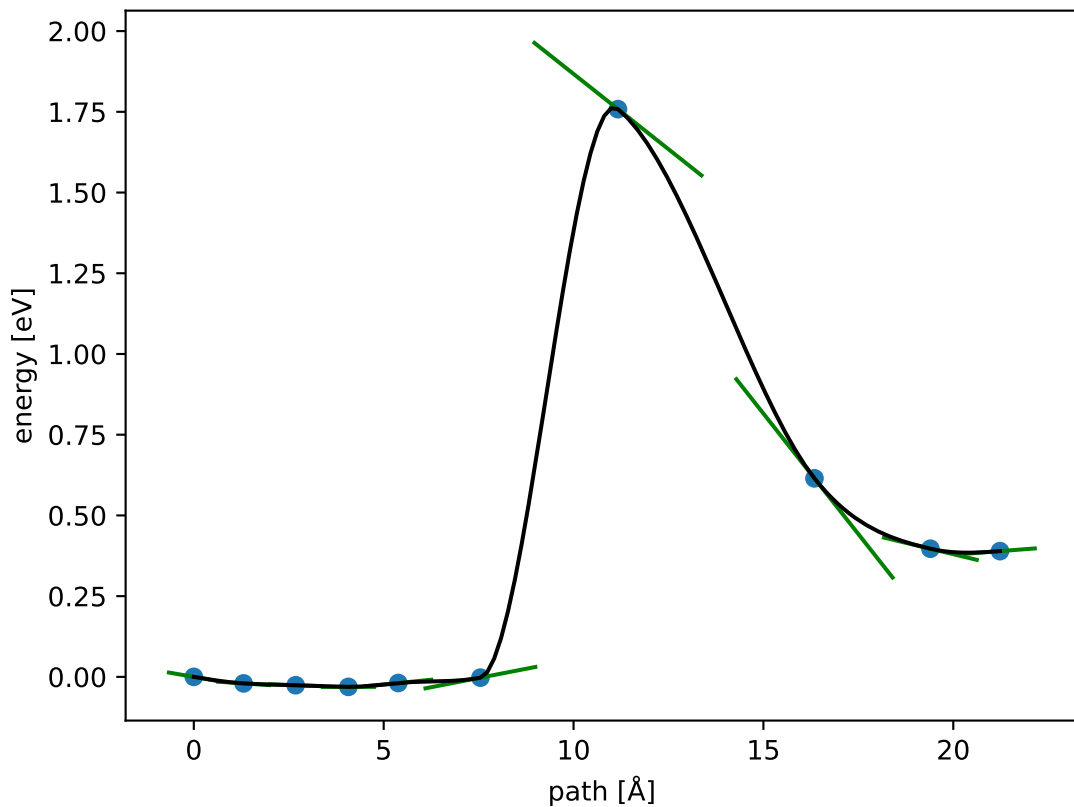
$$E_f \approx 1.759 \text{ eV}; E_r \approx 1.370 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



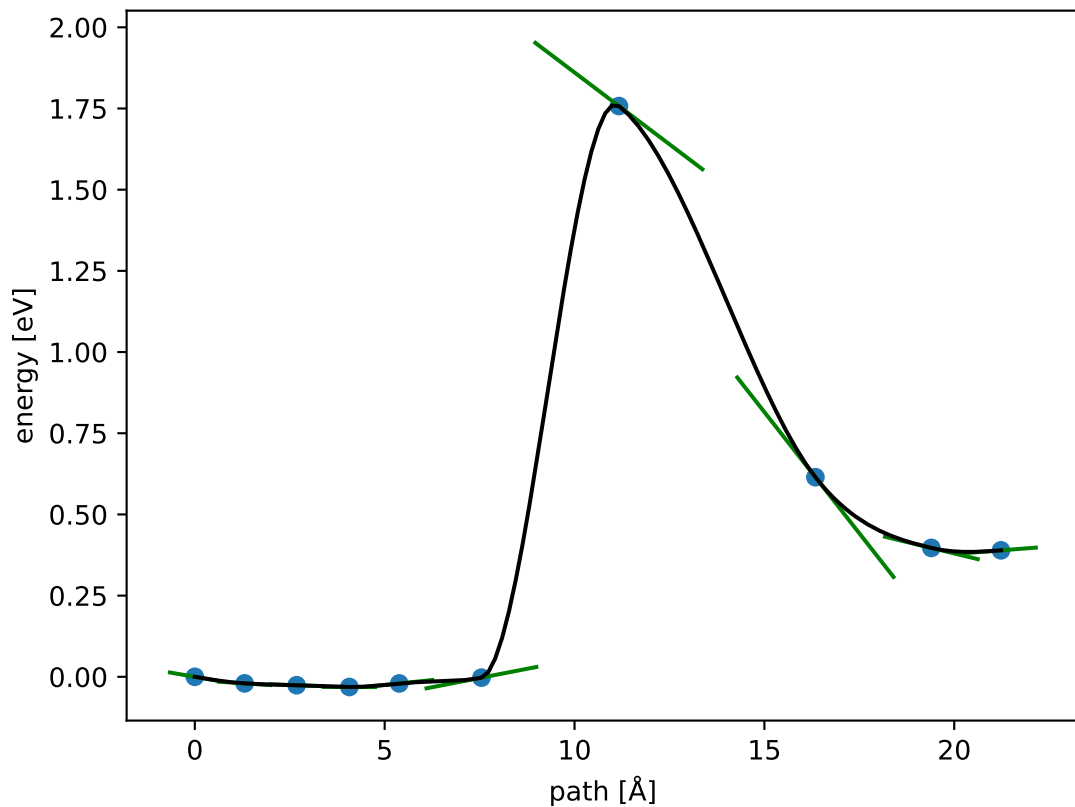
$$E_f \approx 1.759 \text{ eV}; E_r \approx 1.369 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



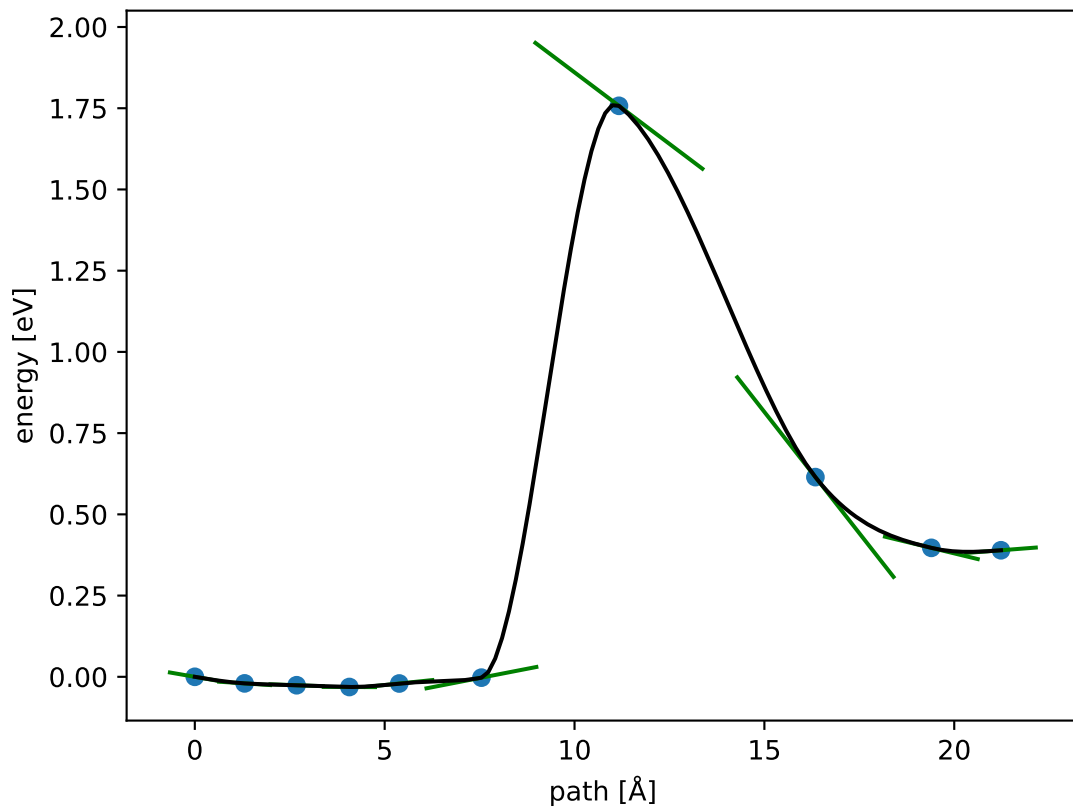
$$E_f \approx 1.758 \text{ eV}; E_r \approx 1.369 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



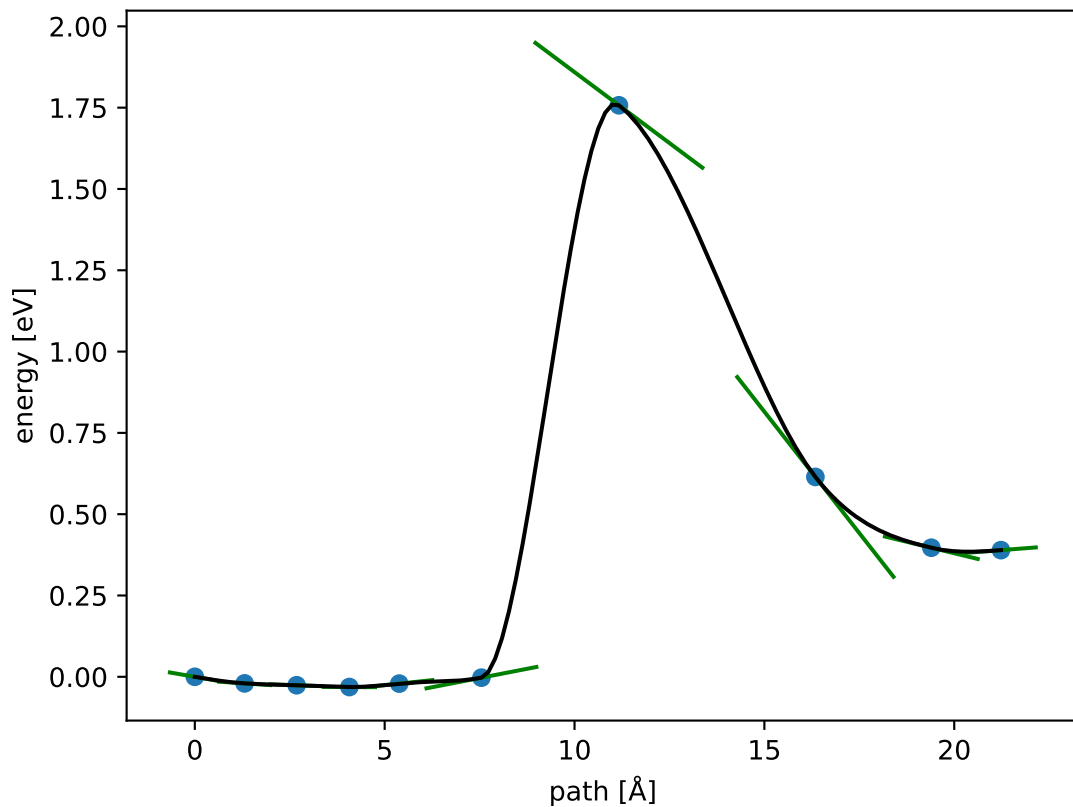
$$E_f \approx 1.757 \text{ eV}; E_r \approx 1.368 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



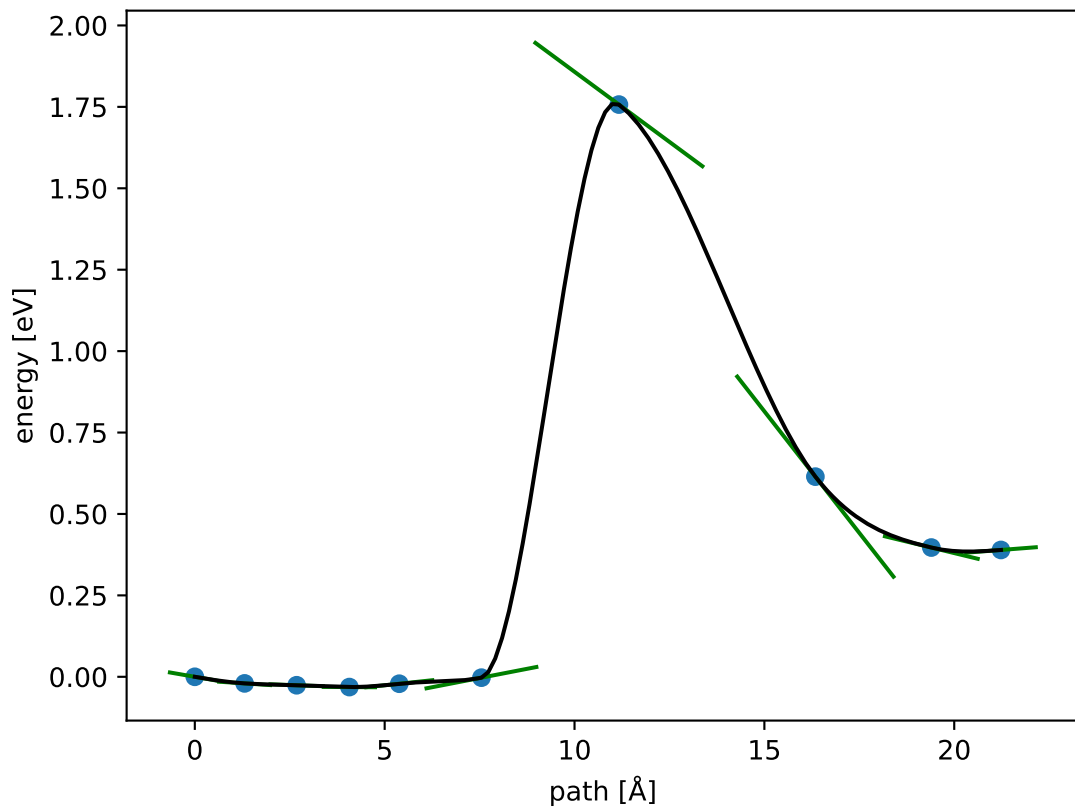
$$E_f \approx 1.757 \text{ eV}; E_r \approx 1.368 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



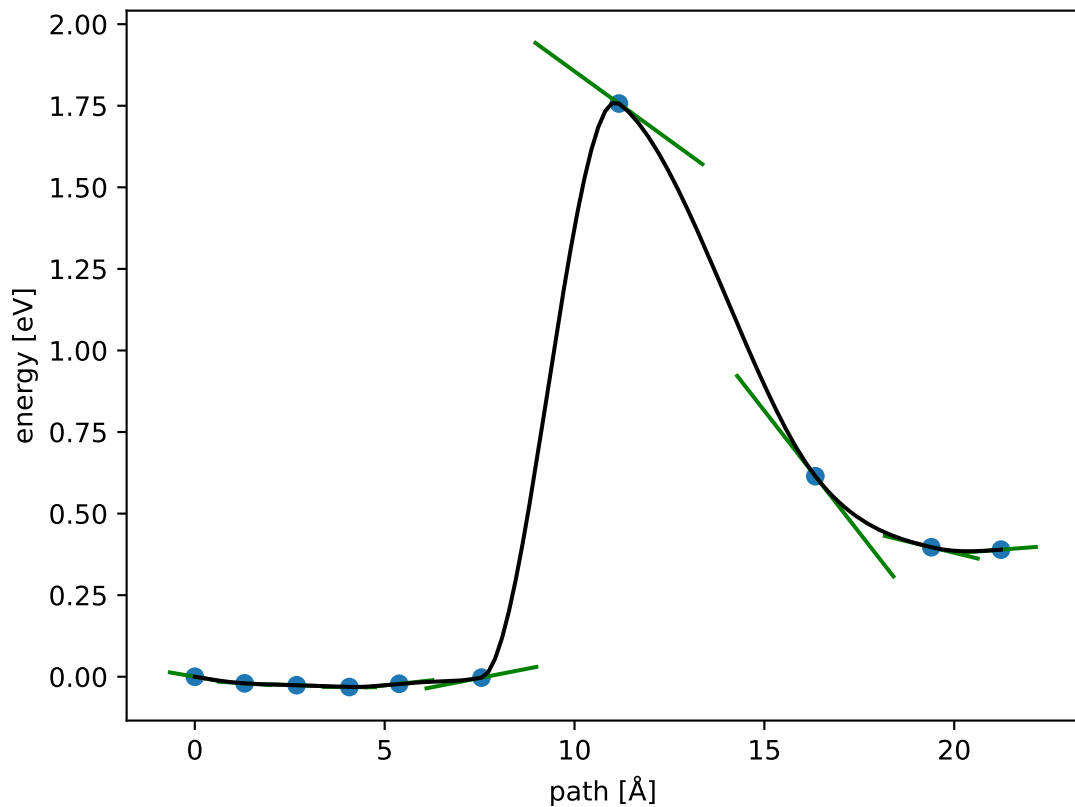
$$E_f \approx 1.757 \text{ eV}; E_r \approx 1.368 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.757 \text{ eV}; E_r \approx 1.368 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

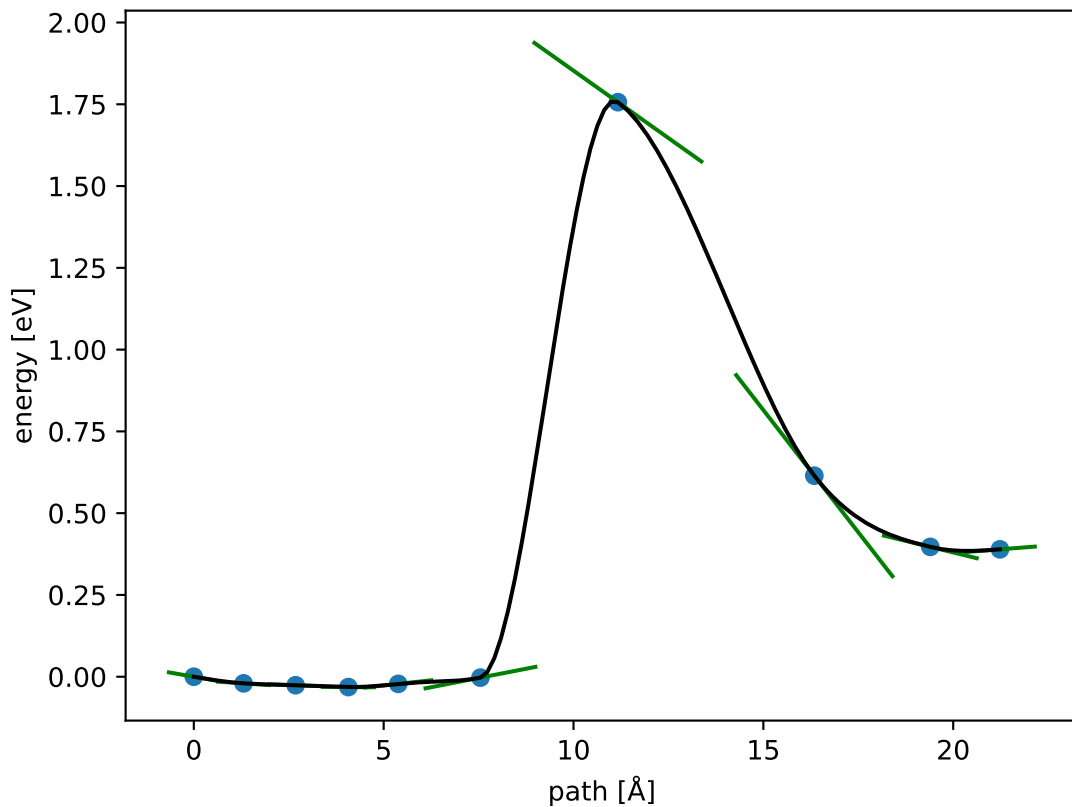


$$E_f \approx 1.757 \text{ eV}; E_r \approx 1.367 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

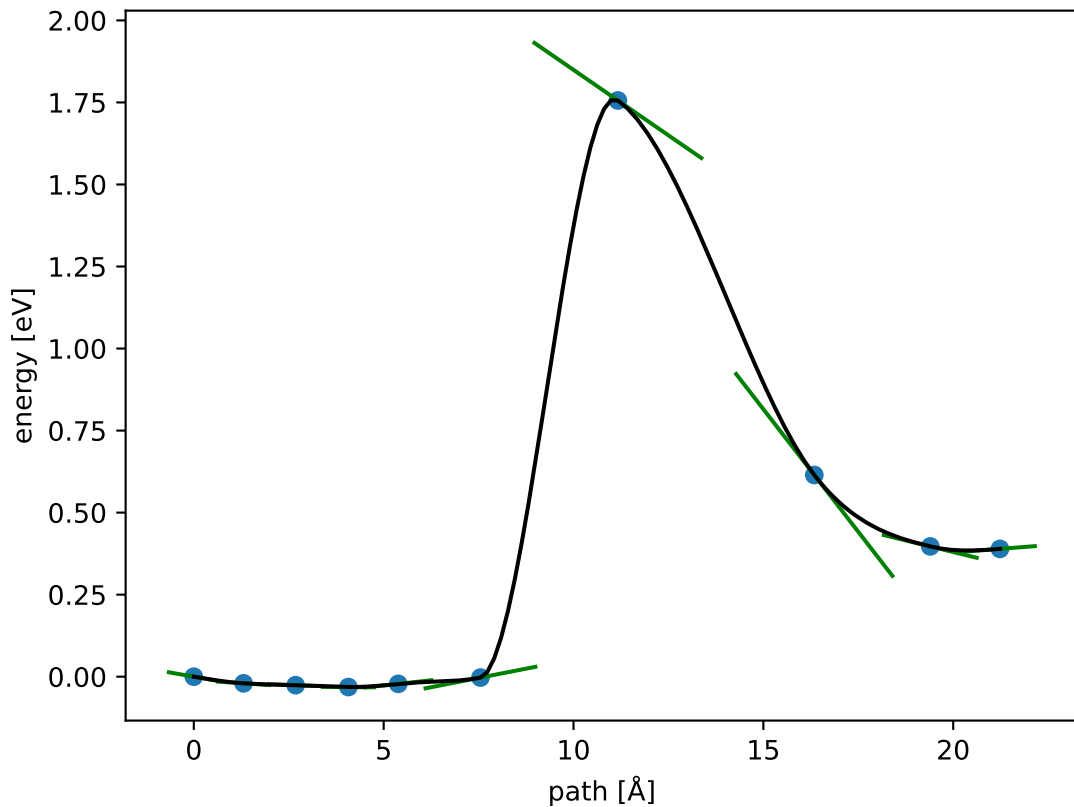




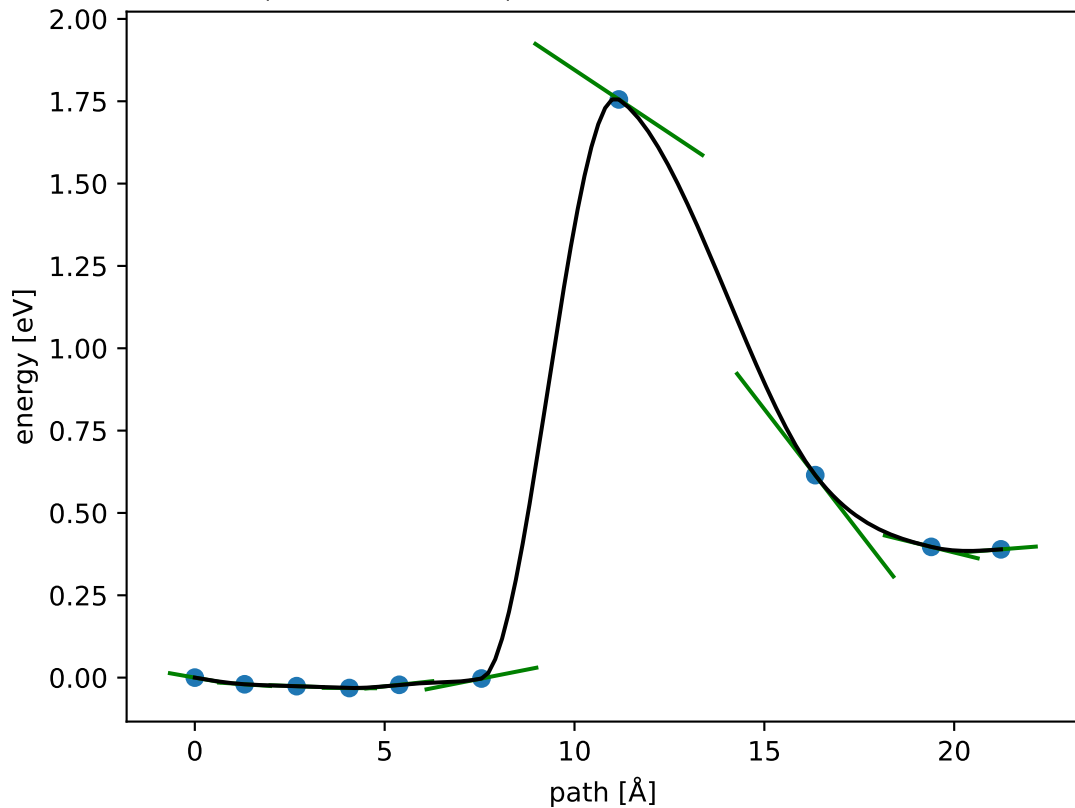
$$E_f \approx 1.756 \text{ eV}; E_r \approx 1.367 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



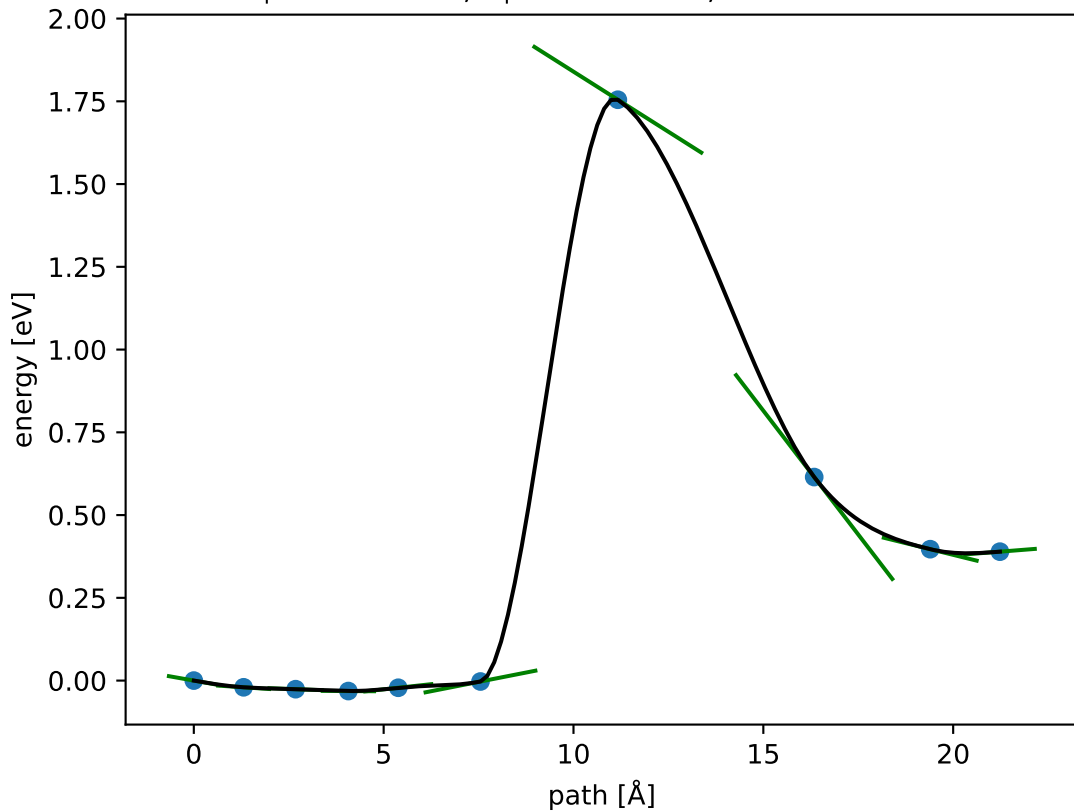
$$E_f \approx 1.756 \text{ eV}; E_r \approx 1.367 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



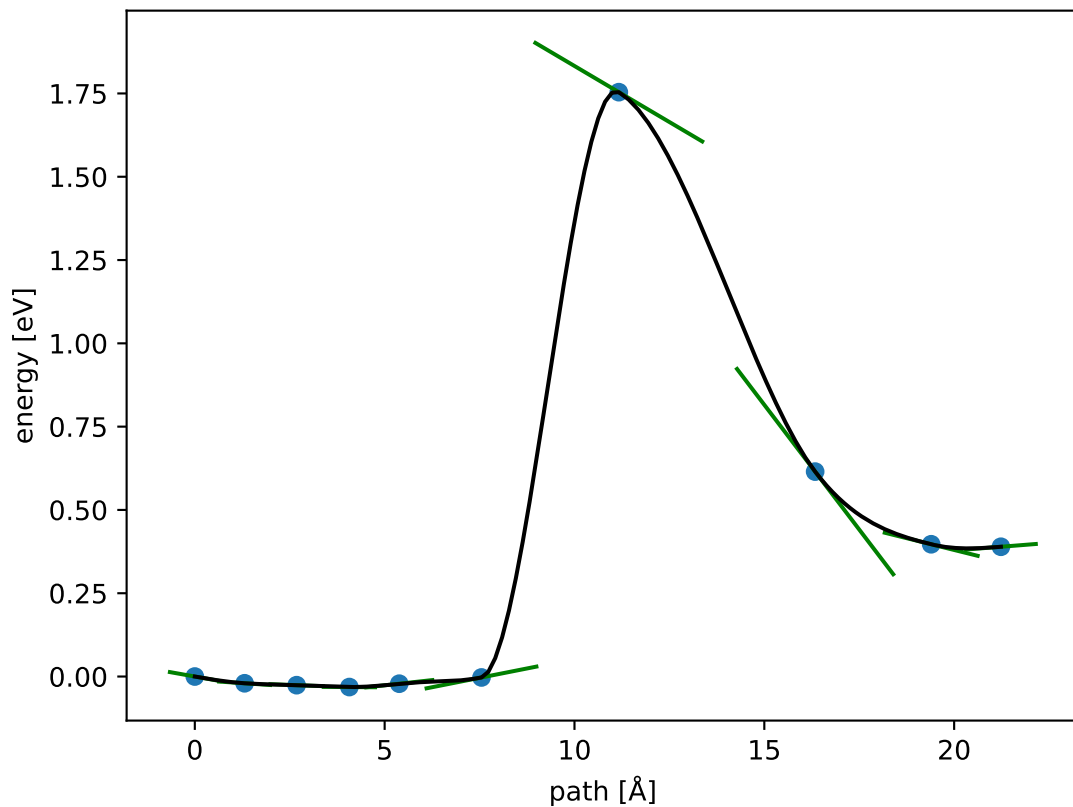
$$E_f \approx 1.755 \text{ eV}; E_r \approx 1.366 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



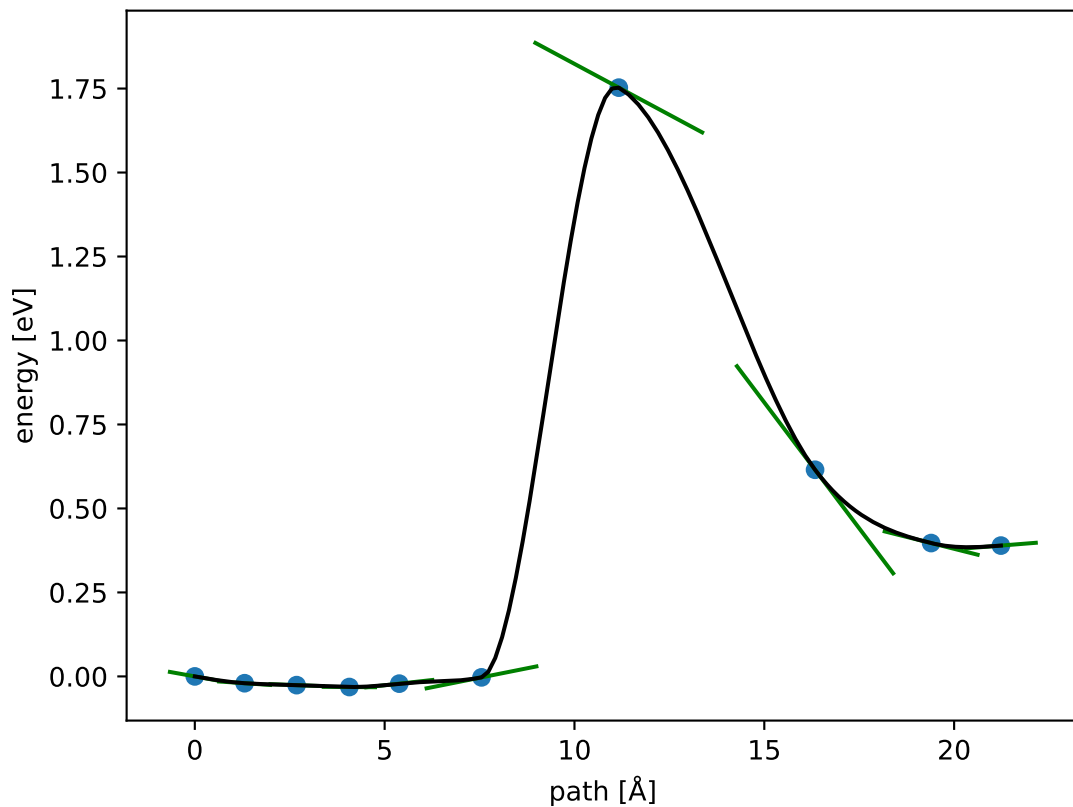
$$E_f \approx 1.755 \text{ eV}; E_r \approx 1.365 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



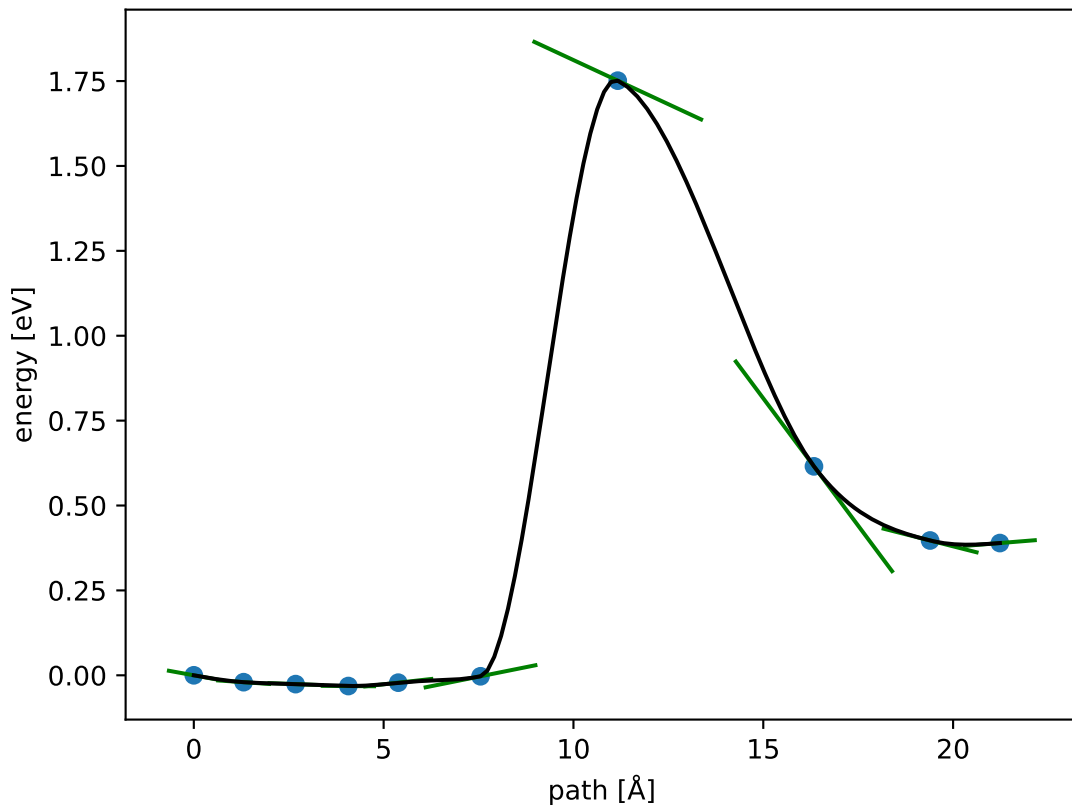
$$E_f \approx 1.754 \text{ eV}; E_r \approx 1.364 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



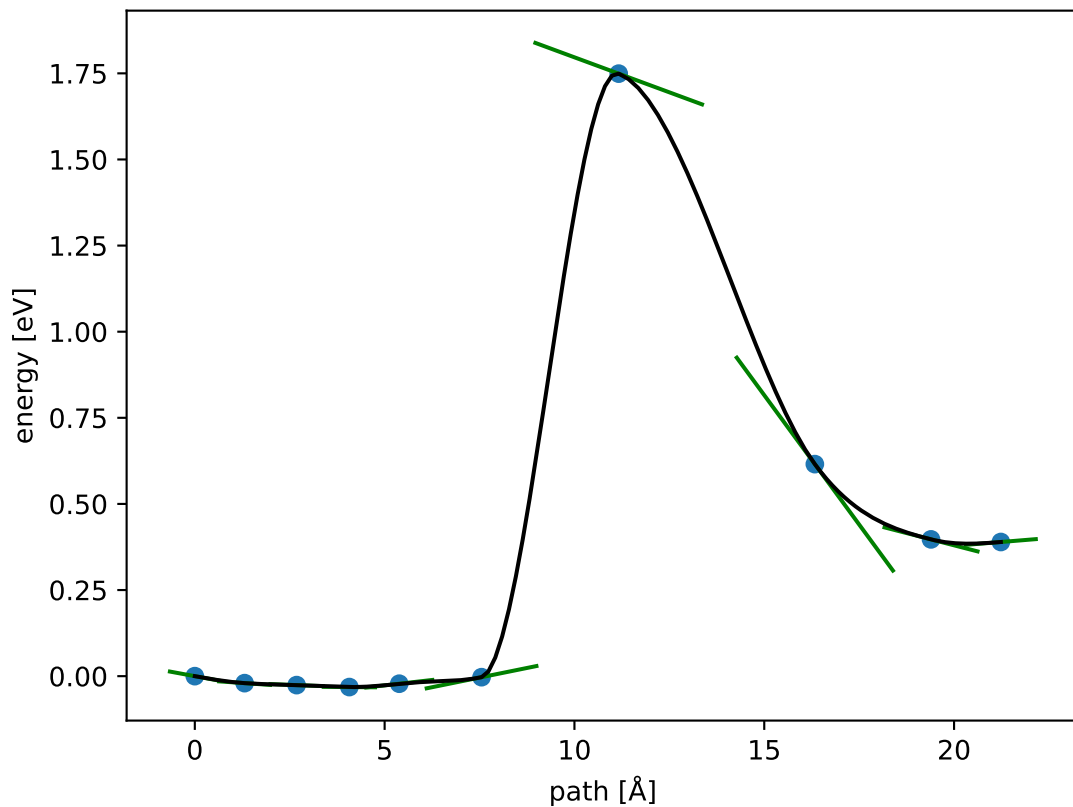
$$E_f \approx 1.753 \text{ eV}; E_r \approx 1.363 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.751 \text{ eV}; E_r \approx 1.362 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

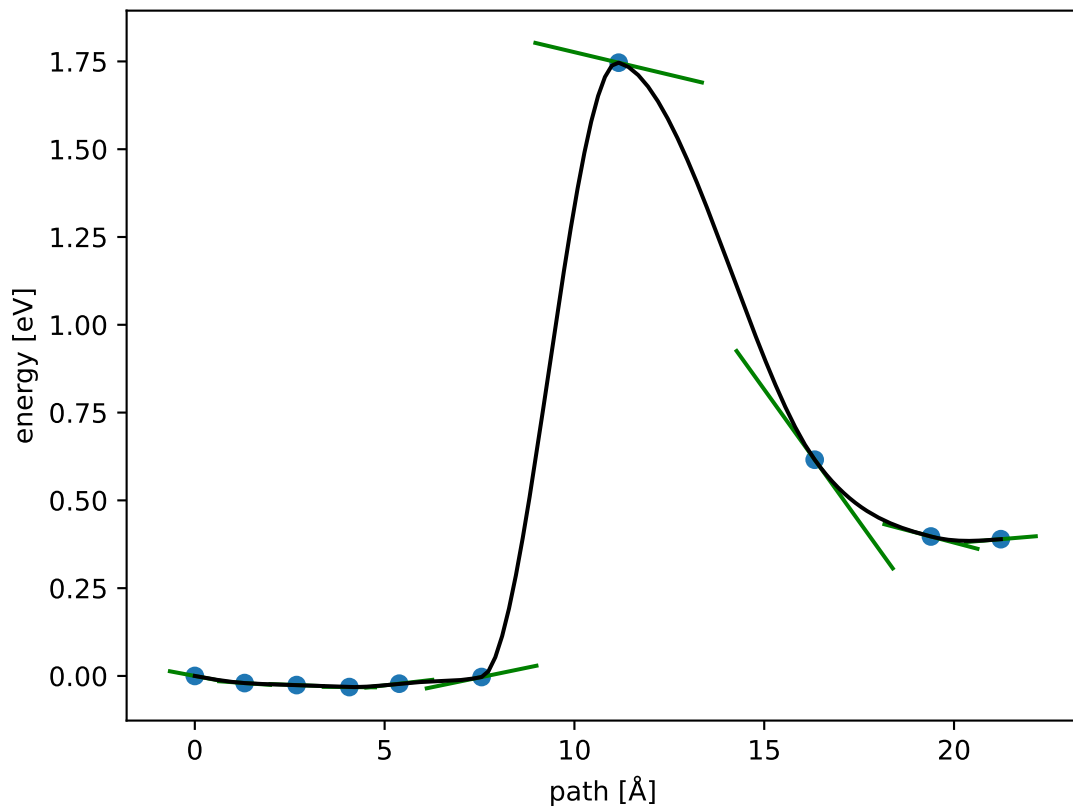


$$E_f \approx 1.749 \text{ eV}; E_r \approx 1.360 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

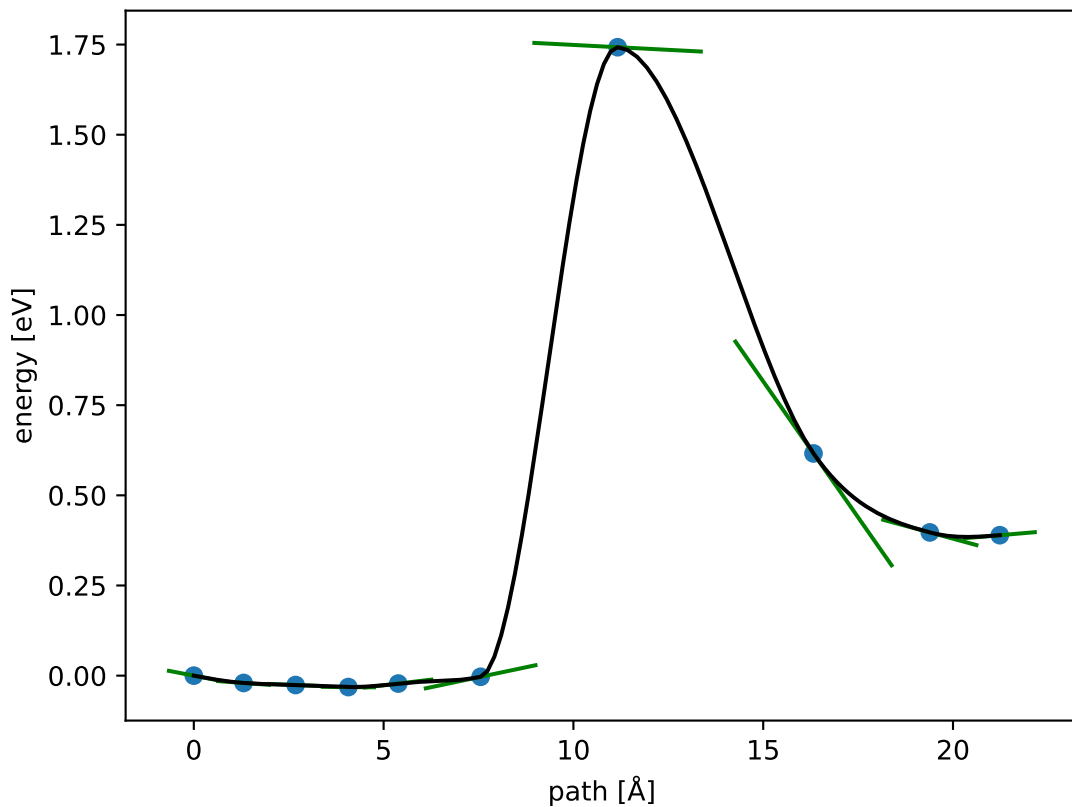




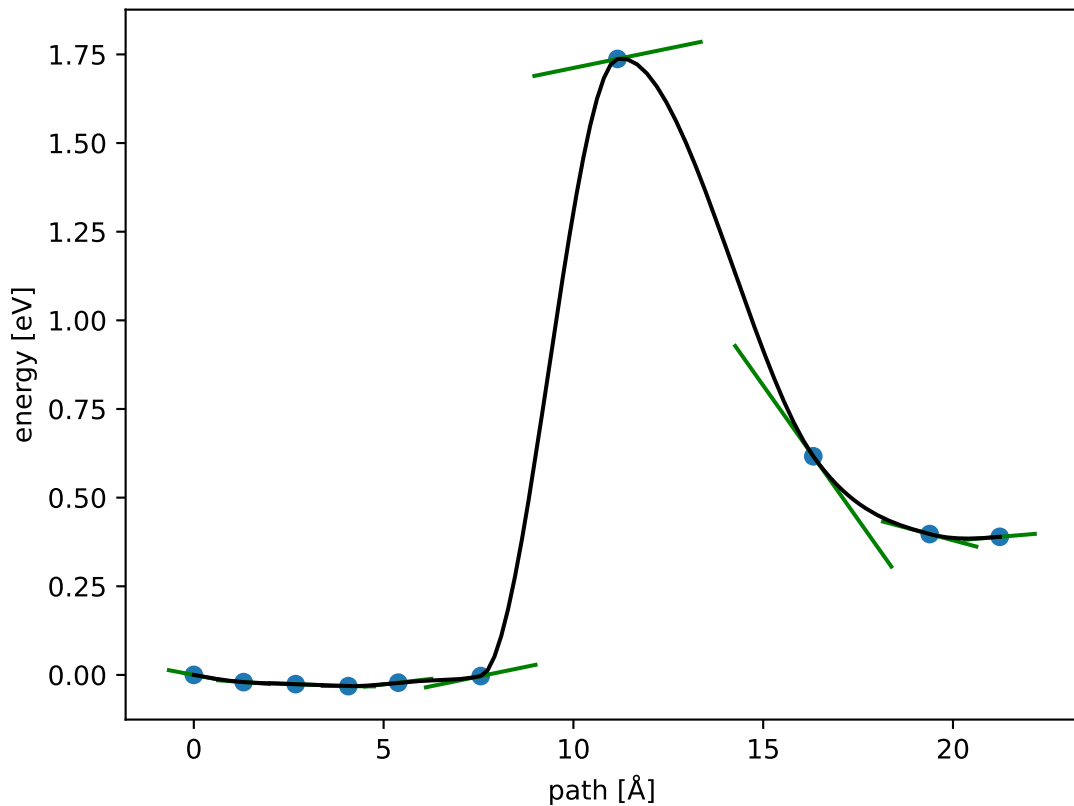
$$E_f \approx 1.746 \text{ eV}; E_r \approx 1.357 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



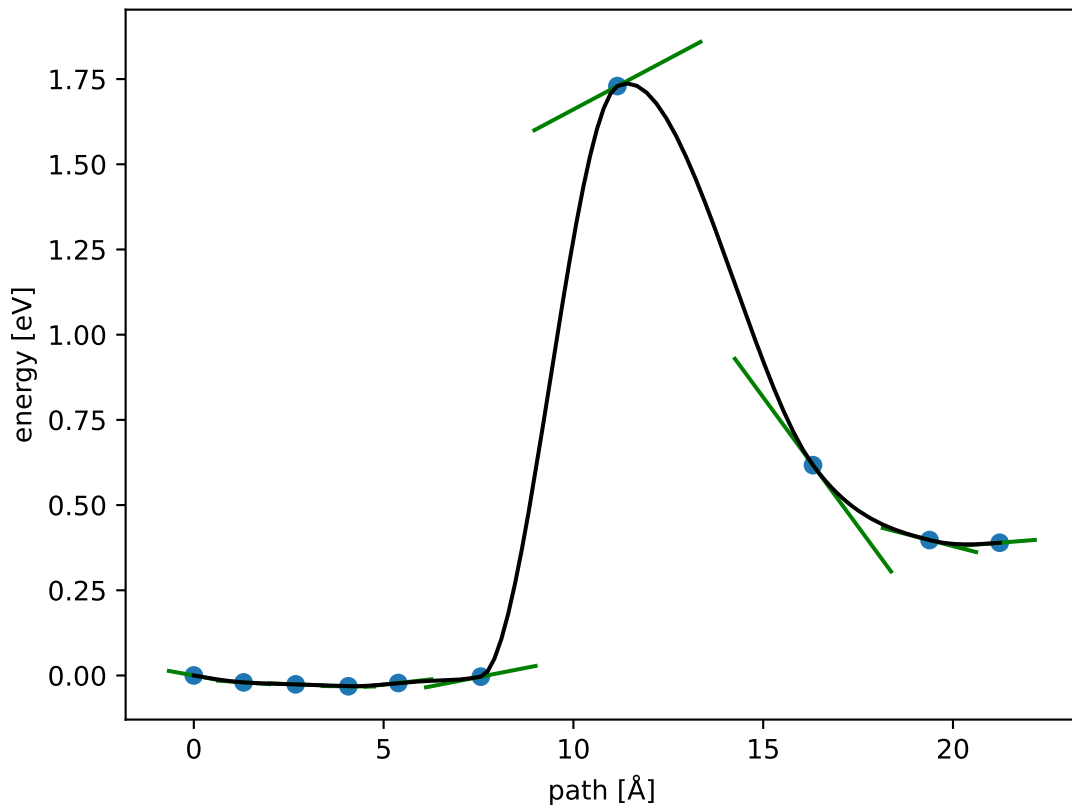
$$E_f \approx 1.743 \text{ eV}; E_r \approx 1.353 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



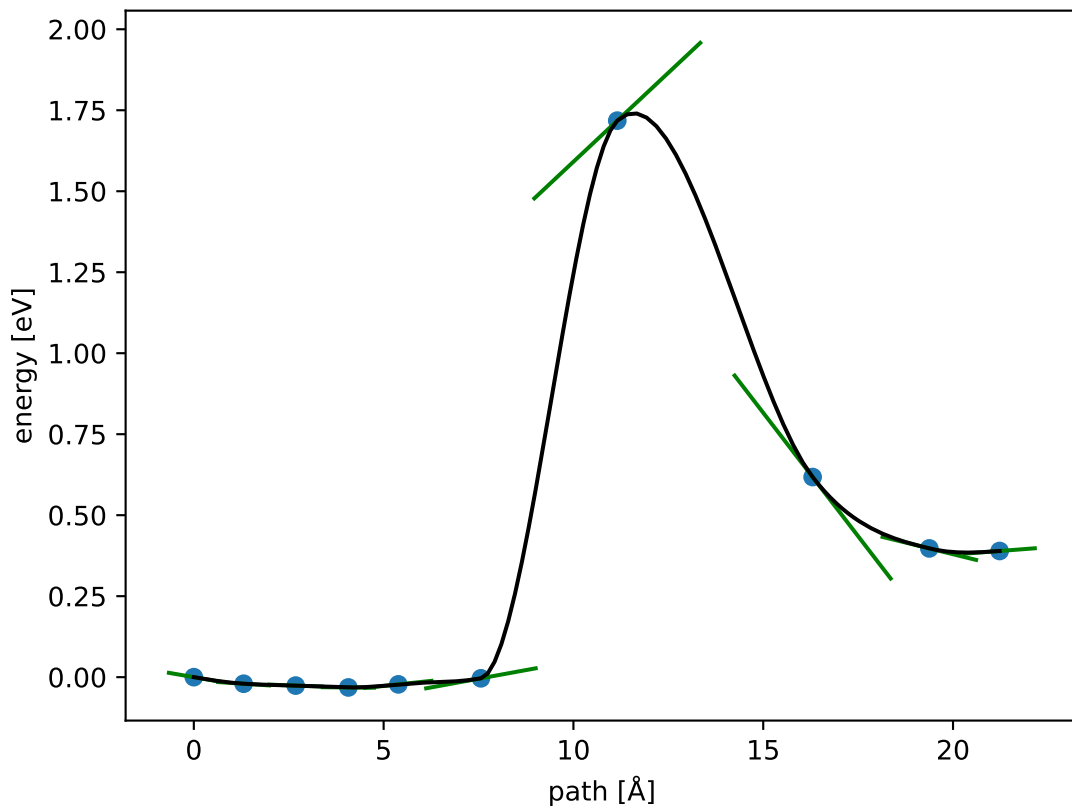
$$E_f \approx 1.737 \text{ eV}; E_r \approx 1.348 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



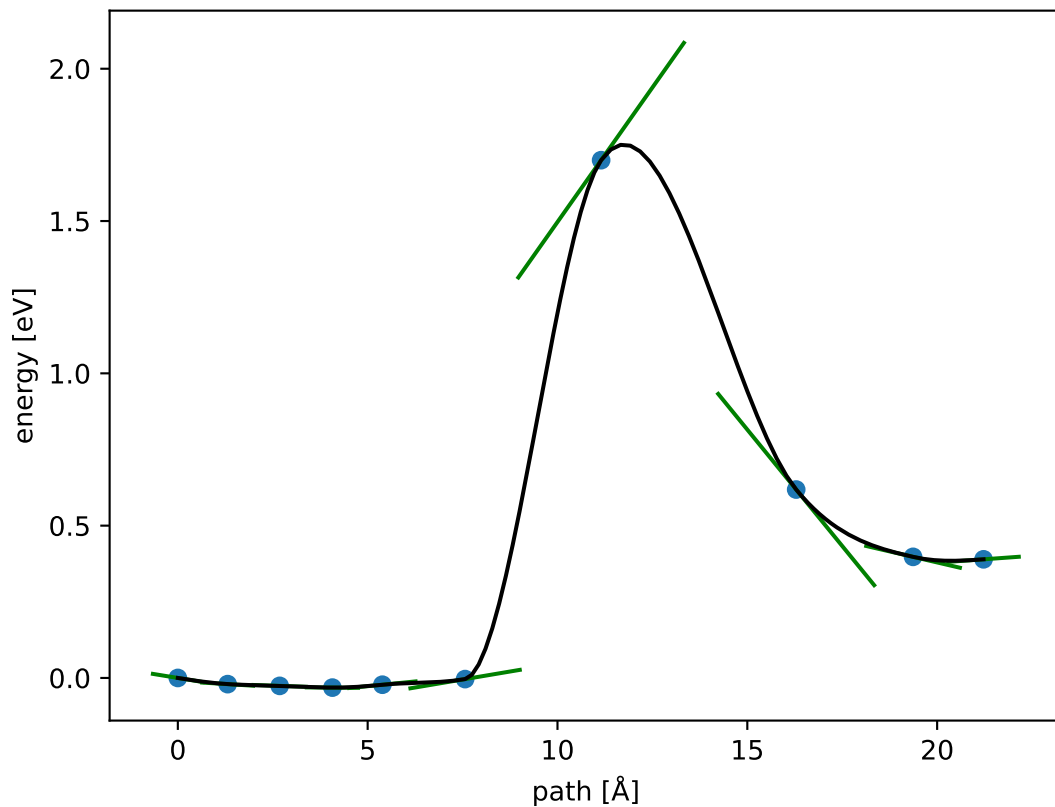
$$E_f \approx 1.730 \text{ eV}; E_r \approx 1.340 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



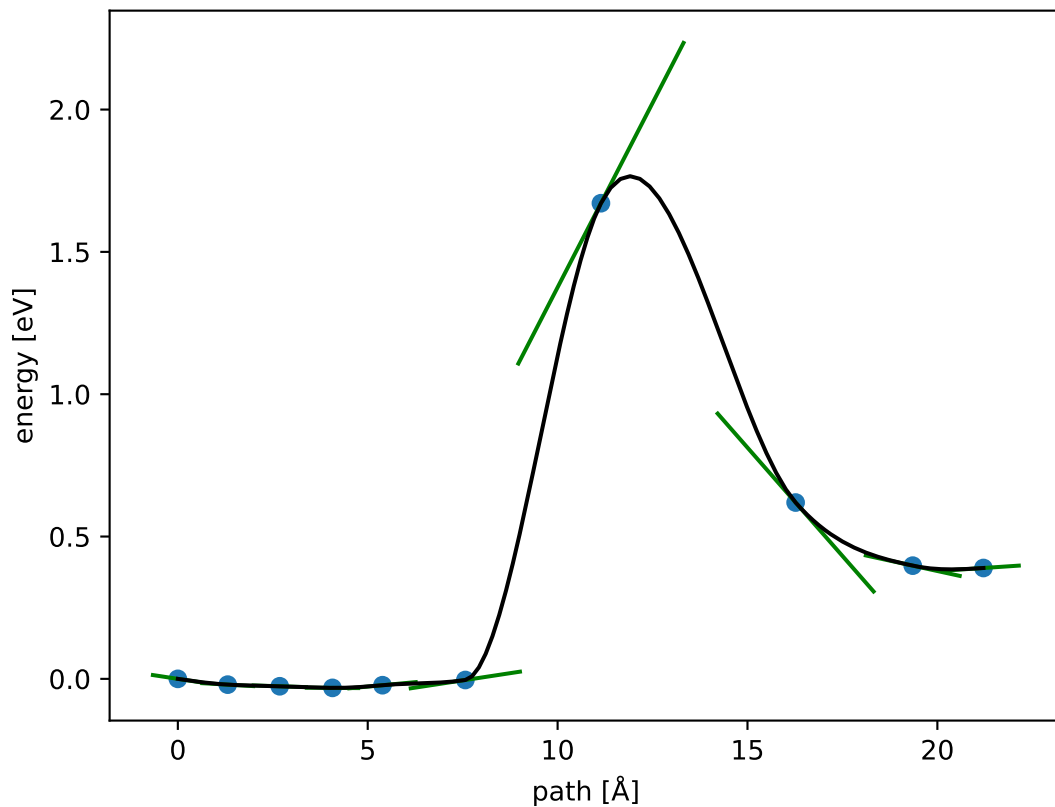
$$E_f \approx 1.718 \text{ eV}; E_r \approx 1.328 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



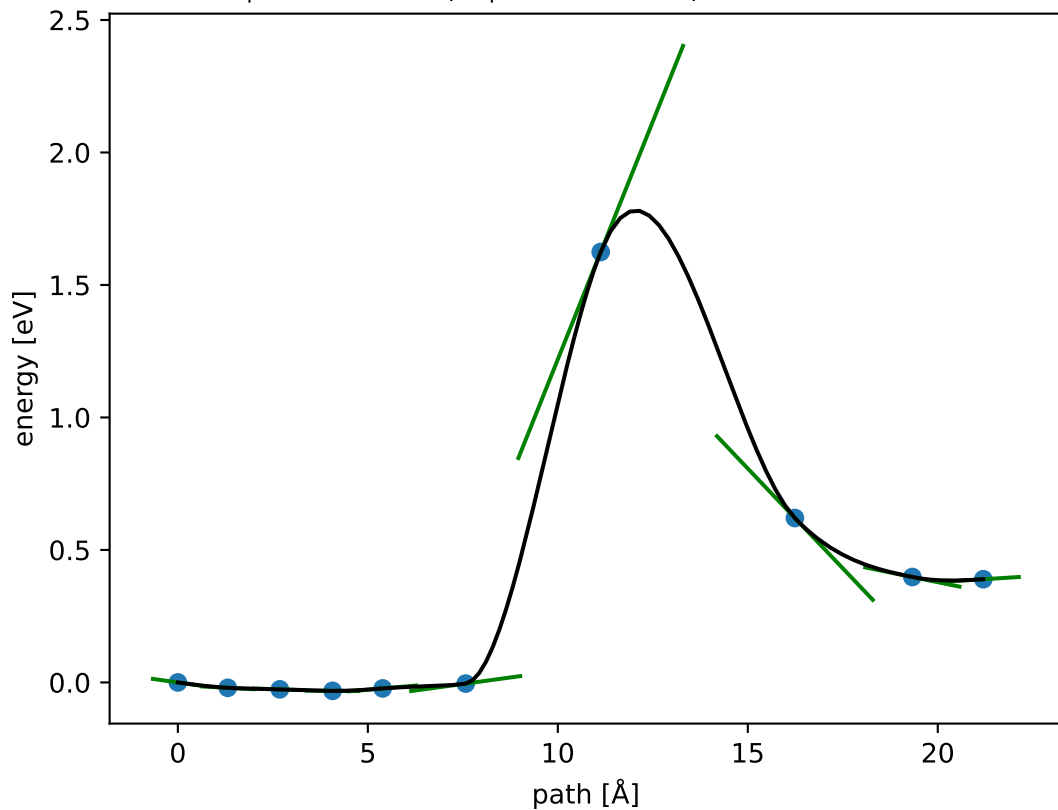
$$E_f \approx 1.700 \text{ eV}; E_r \approx 1.310 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 1.671 \text{ eV}; E_r \approx 1.282 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

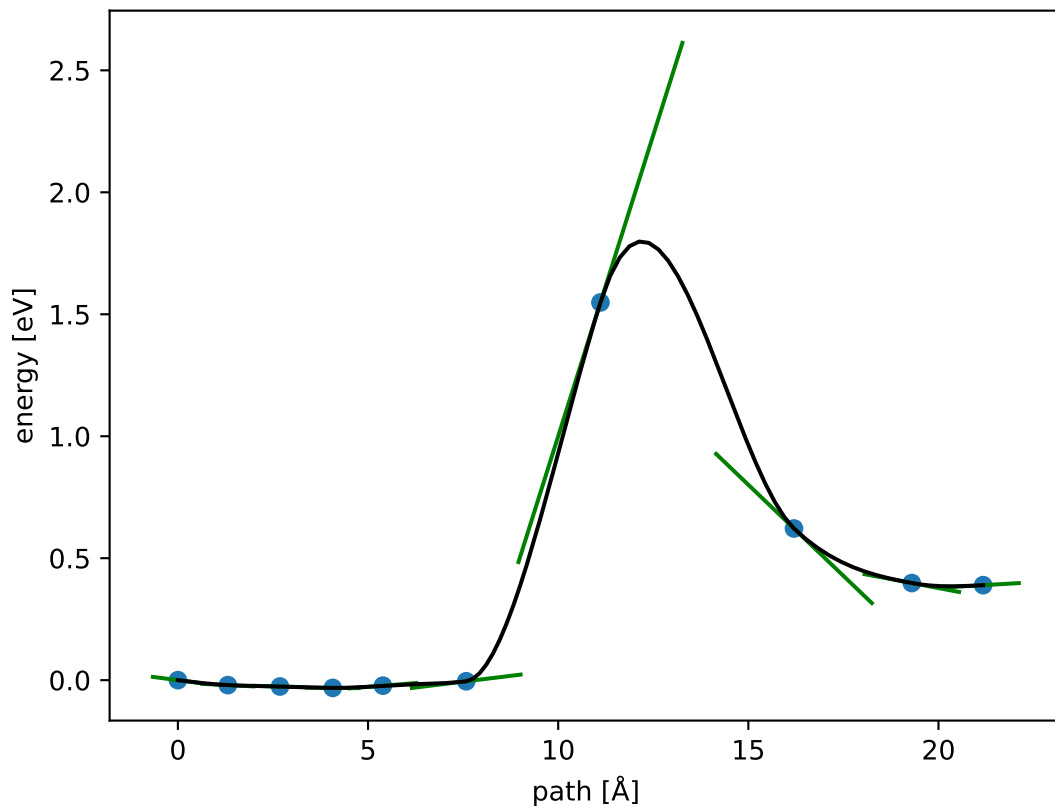


$$E_f \approx 1.625 \text{ eV}; E_r \approx 1.235 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

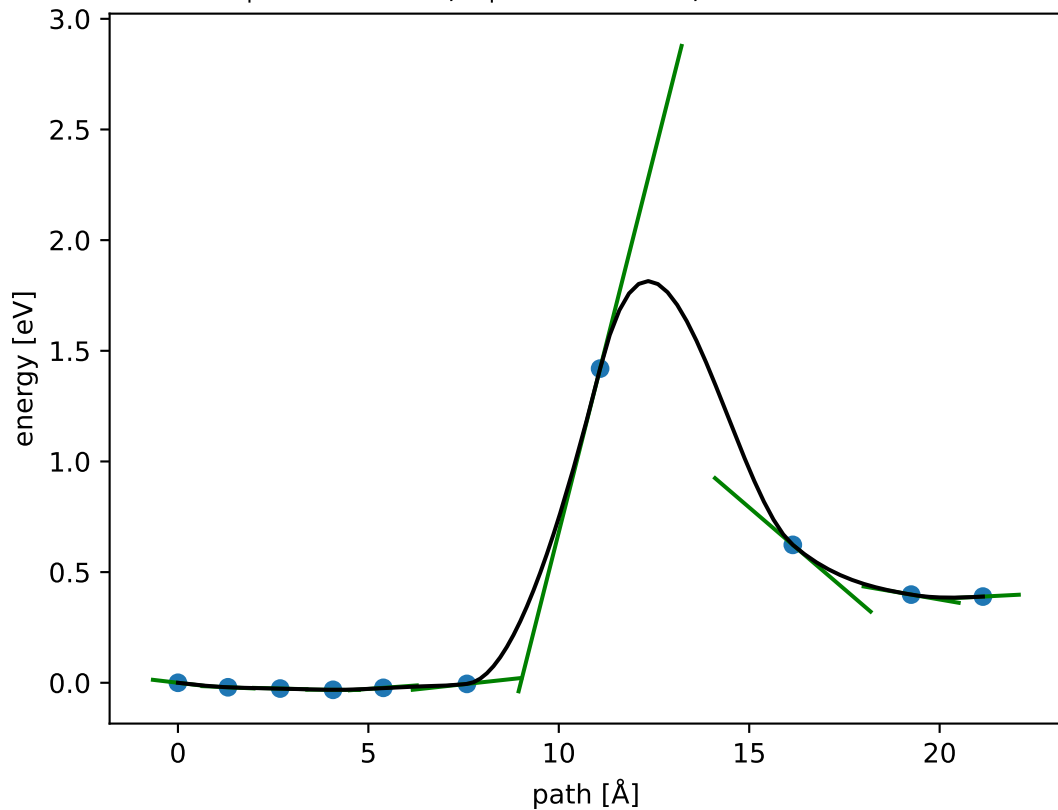




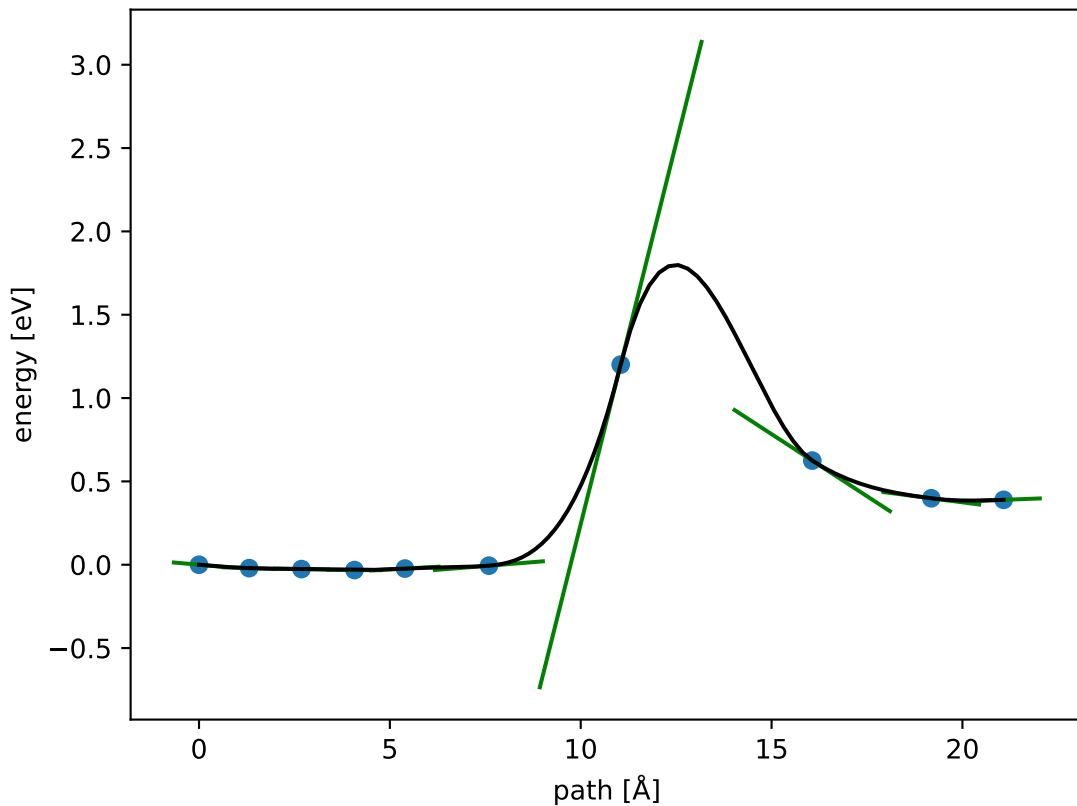
$$E_f \approx 1.548 \text{ eV}; E_r \approx 1.159 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



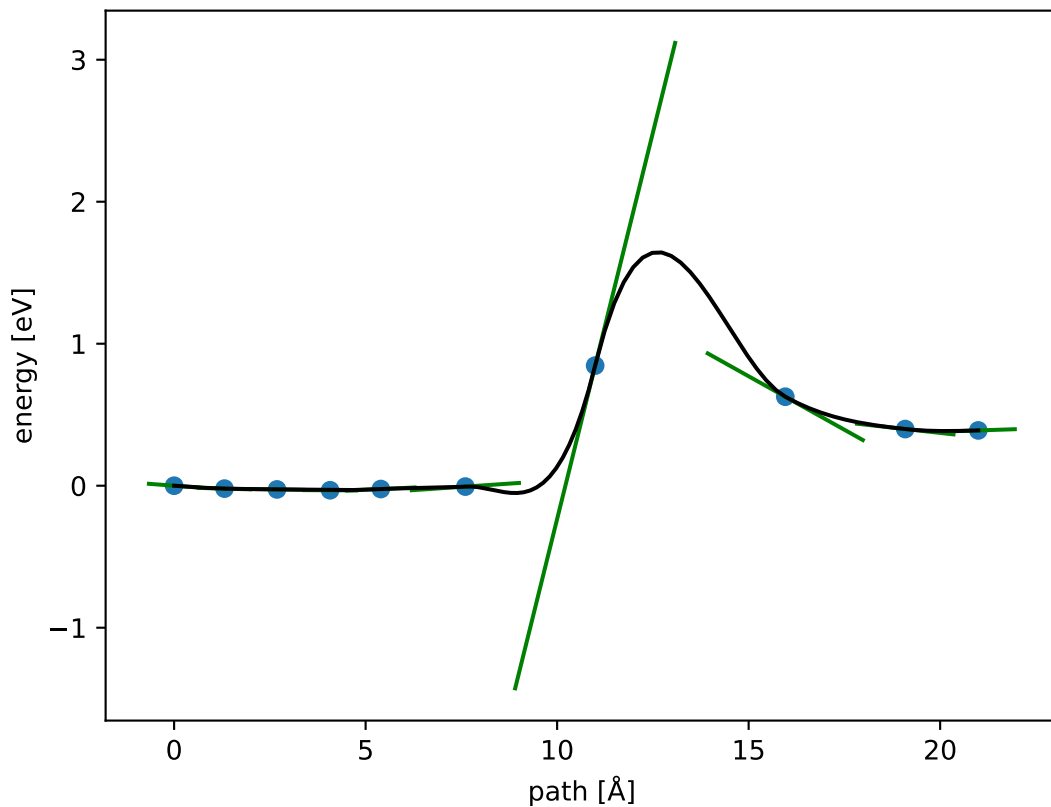
$$E_f \approx 1.420 \text{ eV}; E_r \approx 1.030 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



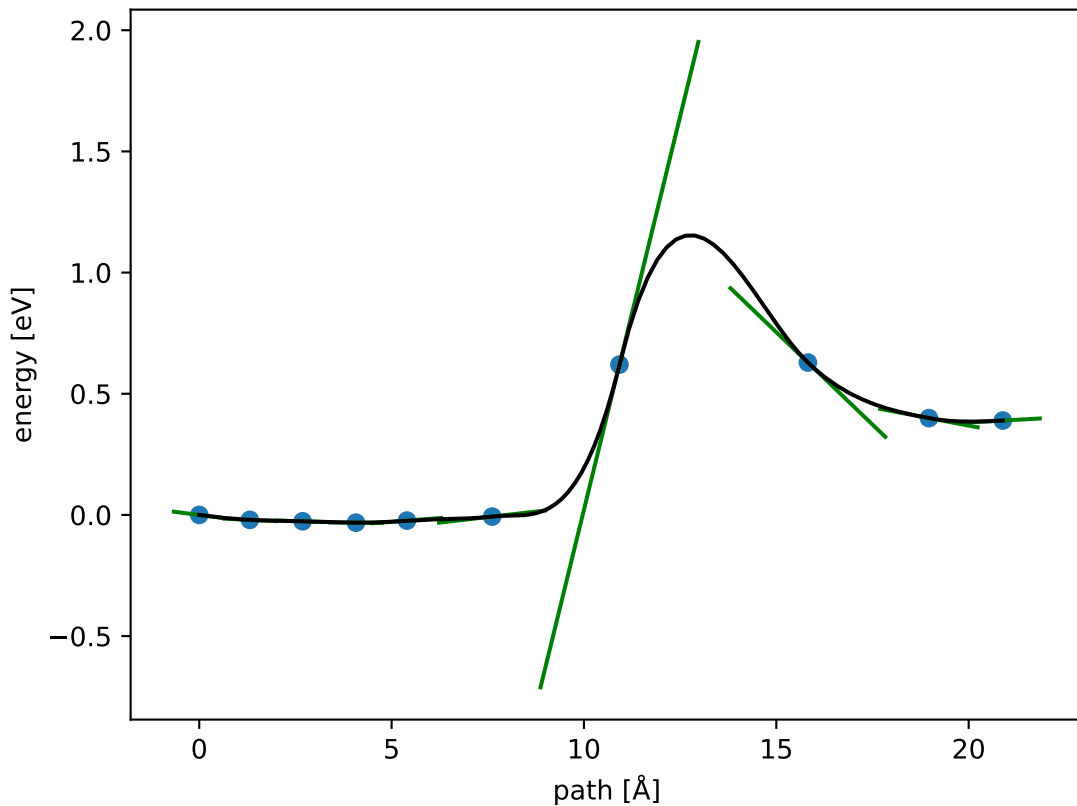
$$E_f \approx 1.201 \text{ eV}; E_r \approx 0.811 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



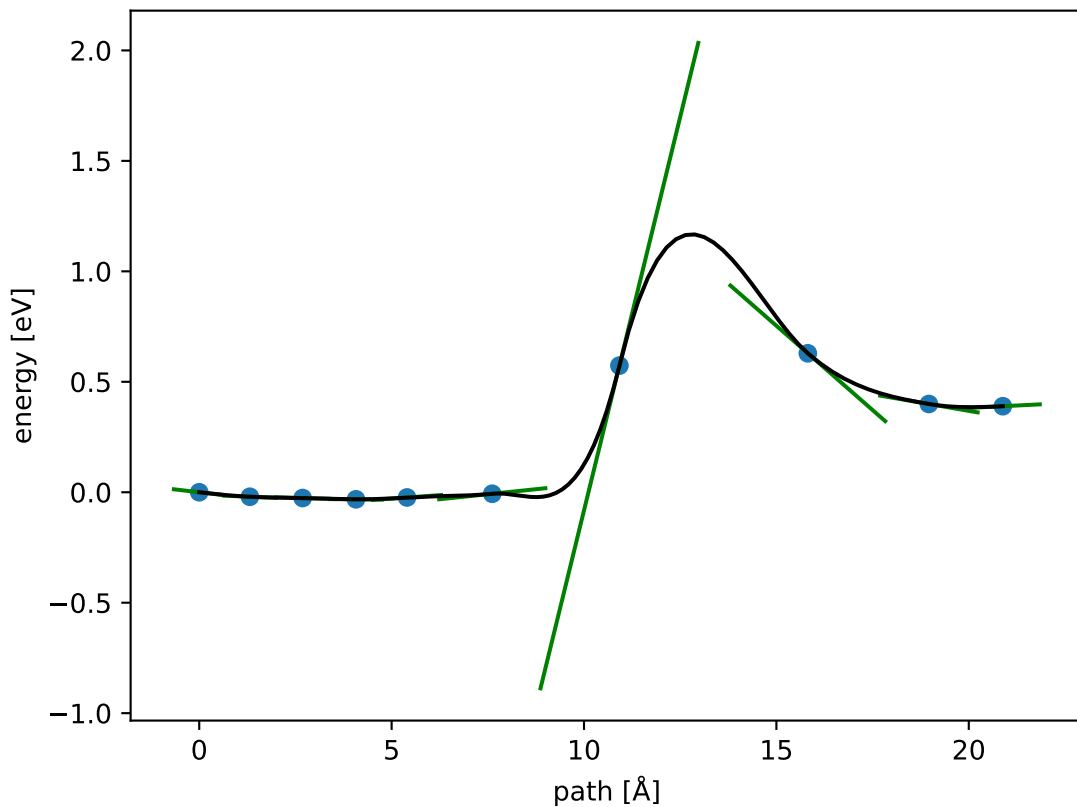
$$E_f \approx 0.846 \text{ eV}; E_r \approx 0.456 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



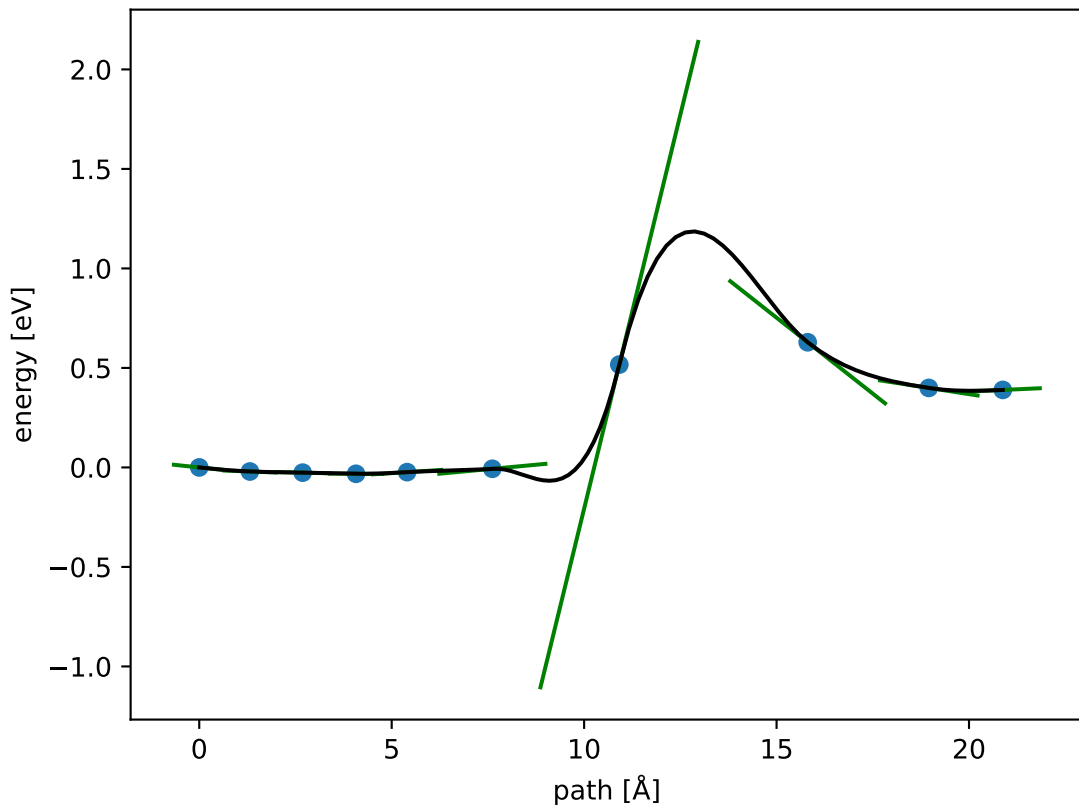
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



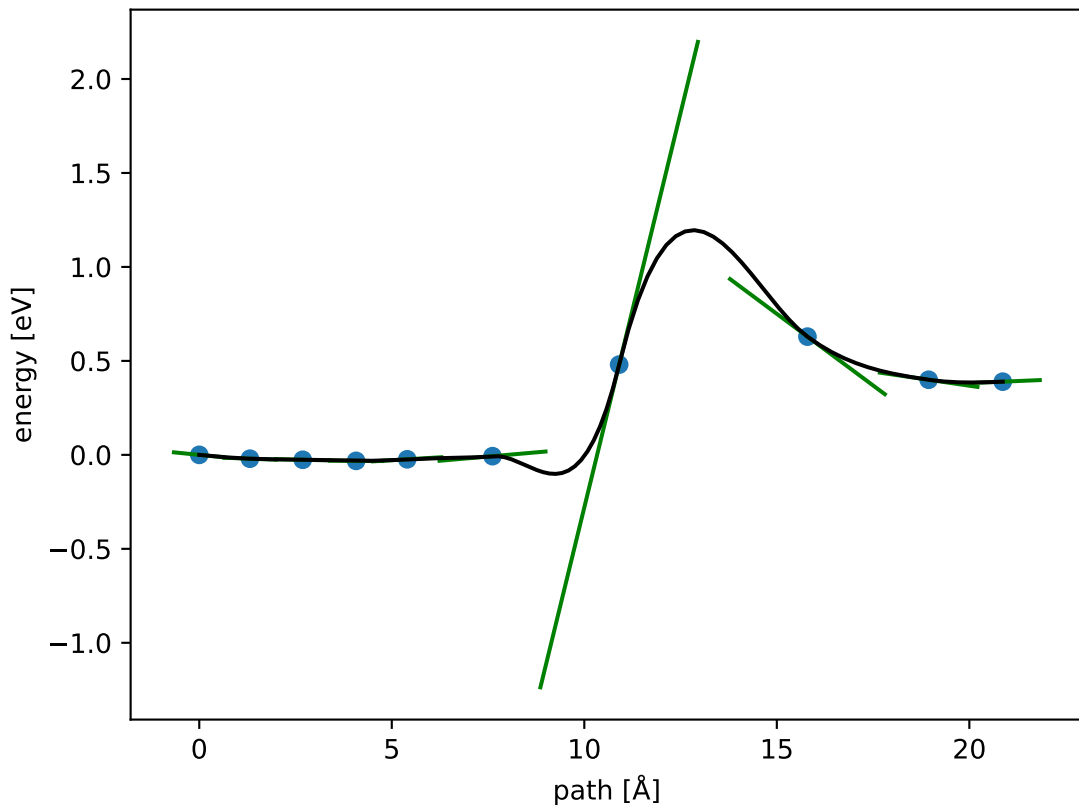
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

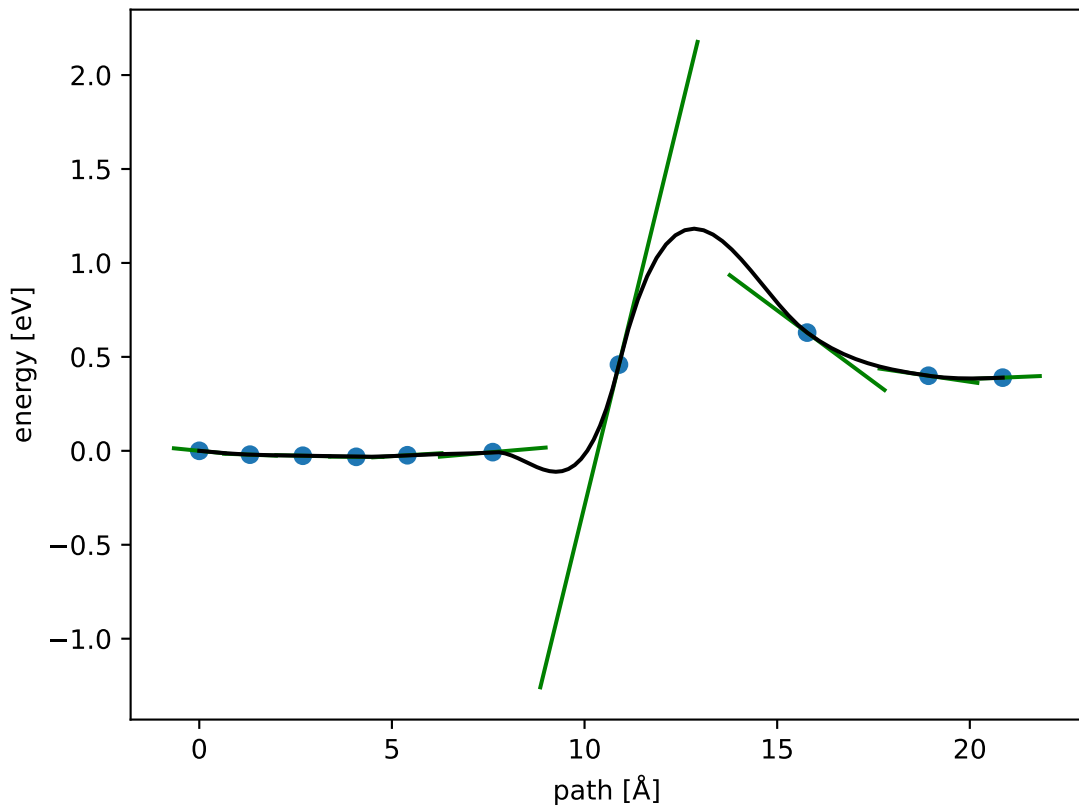


$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

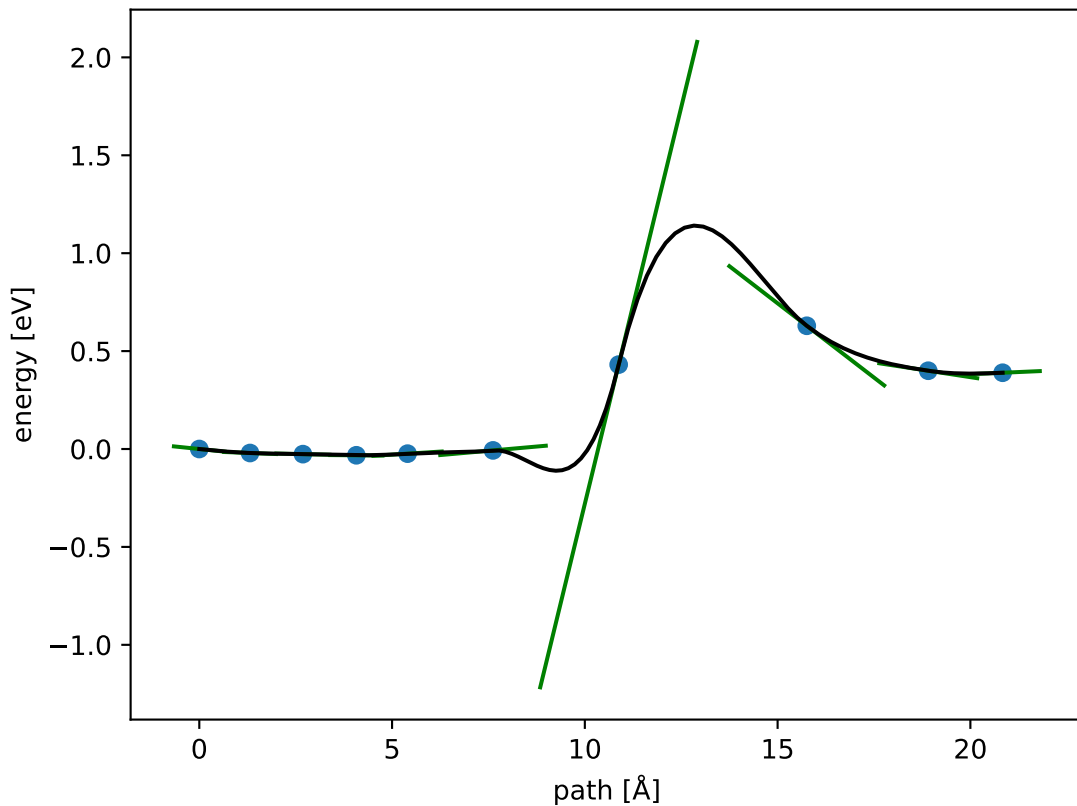




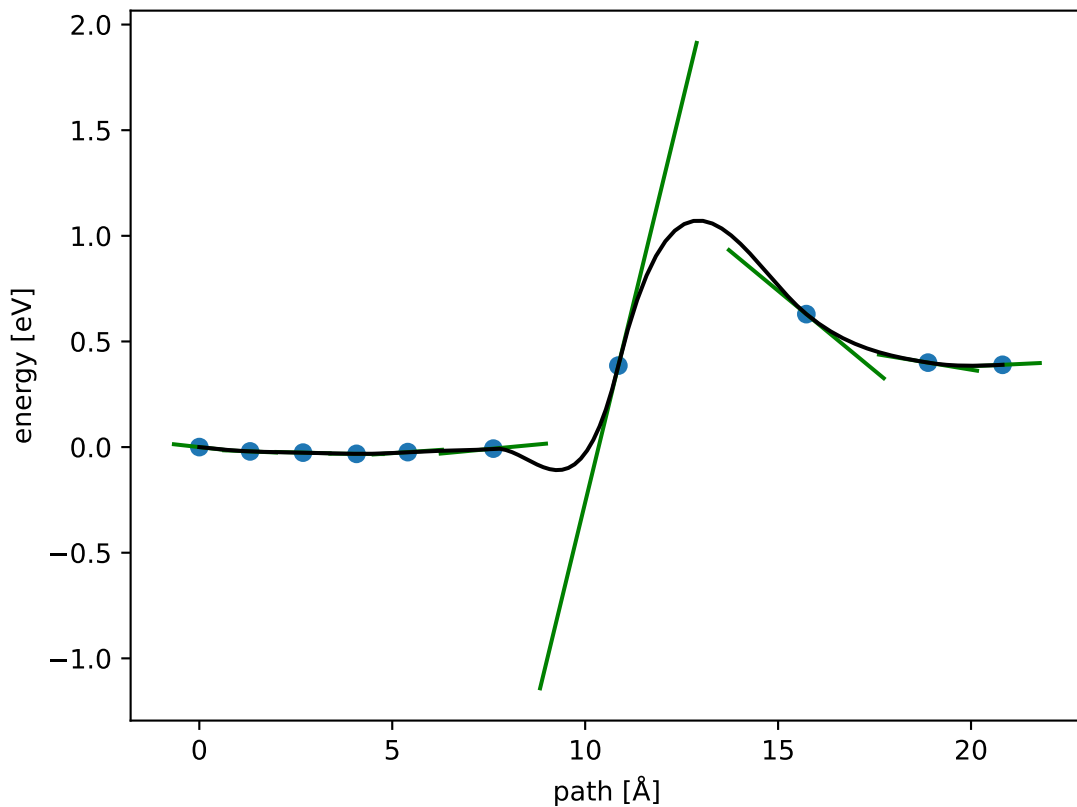
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



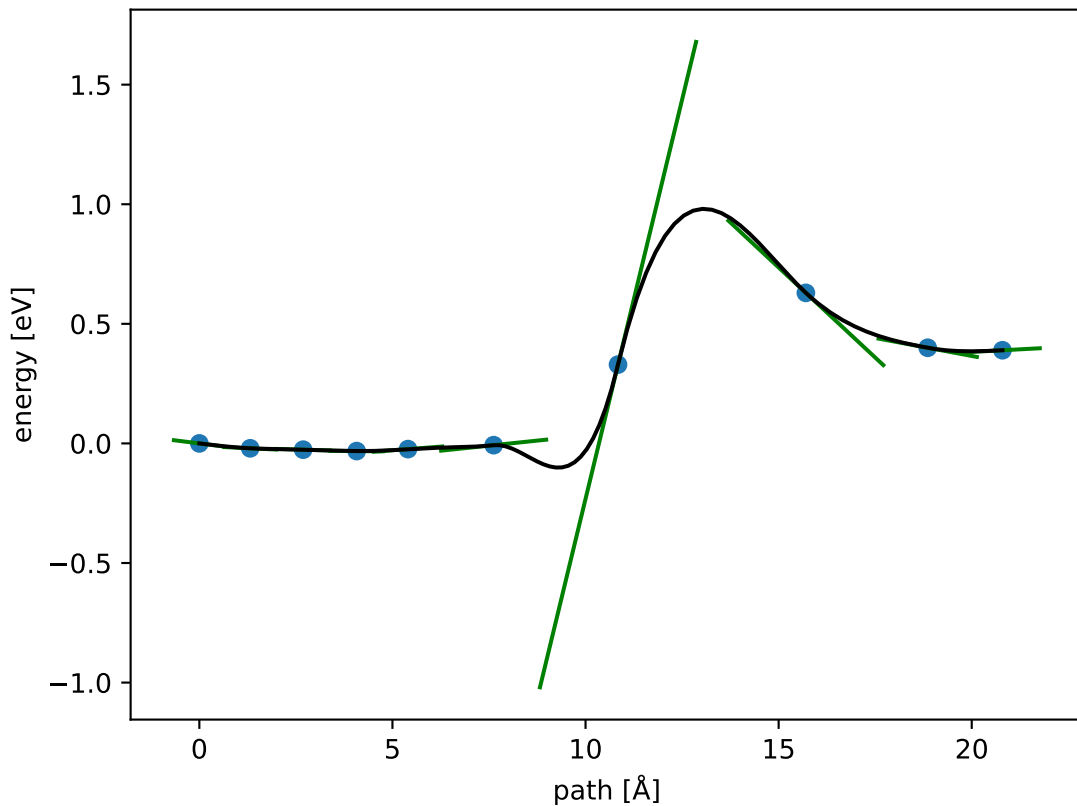
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



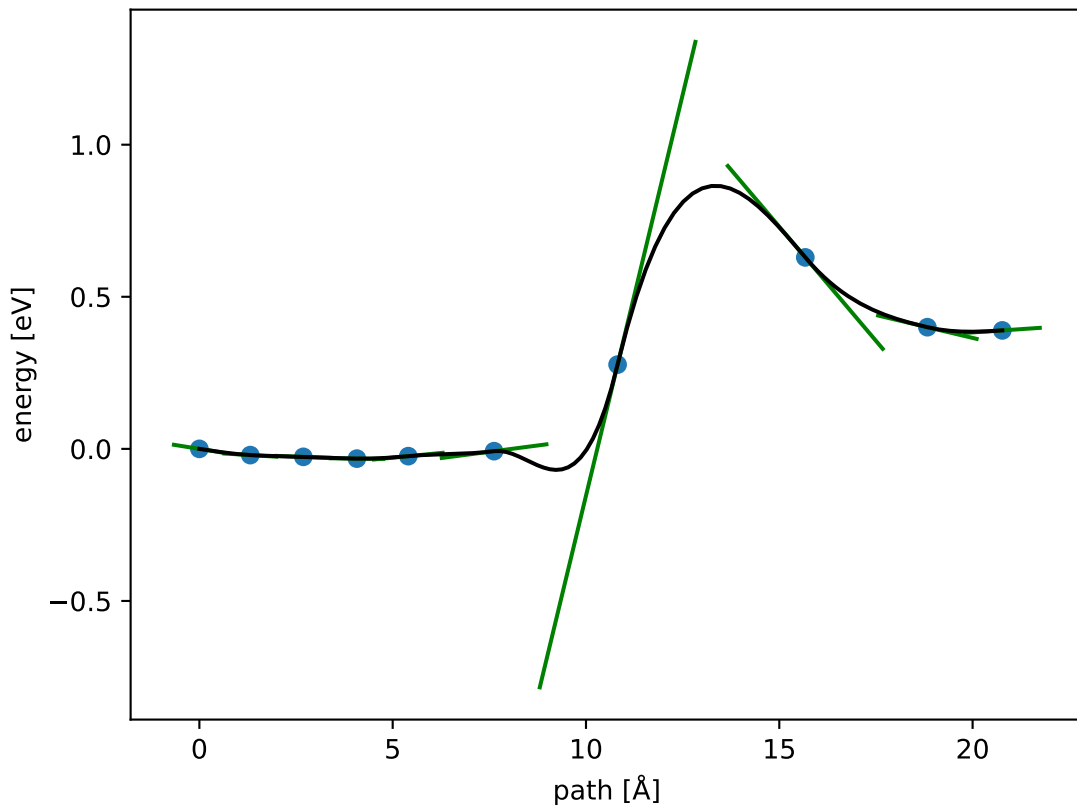
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



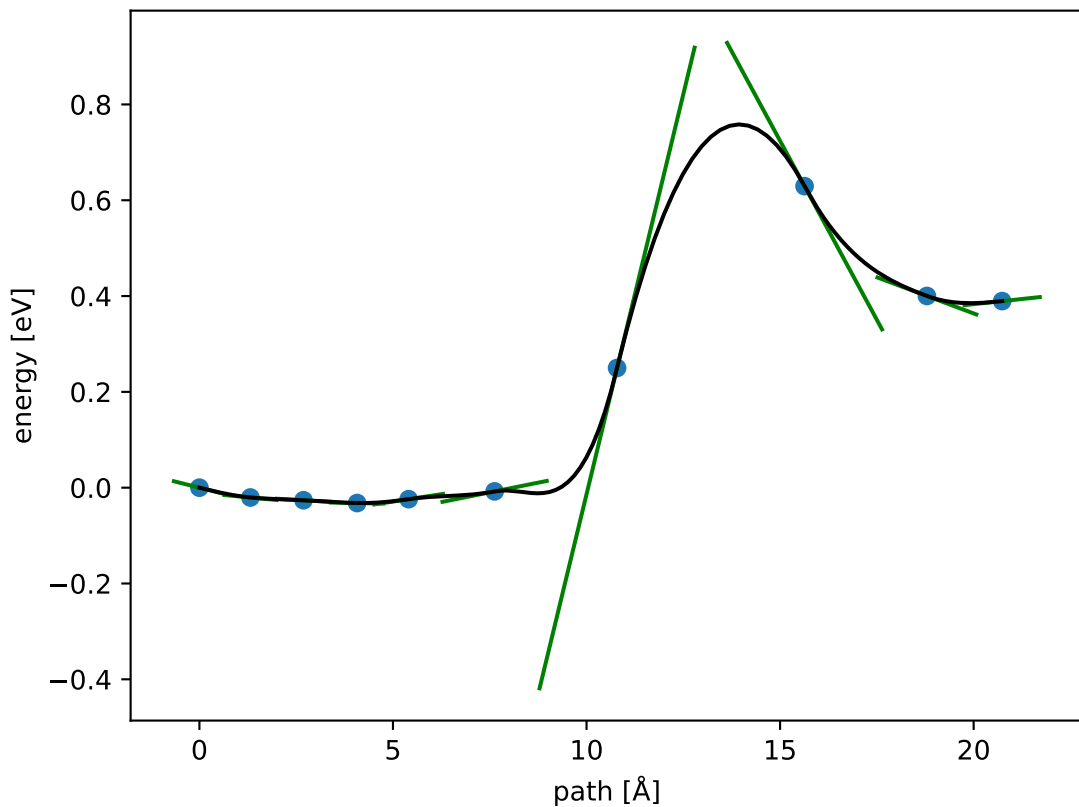
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



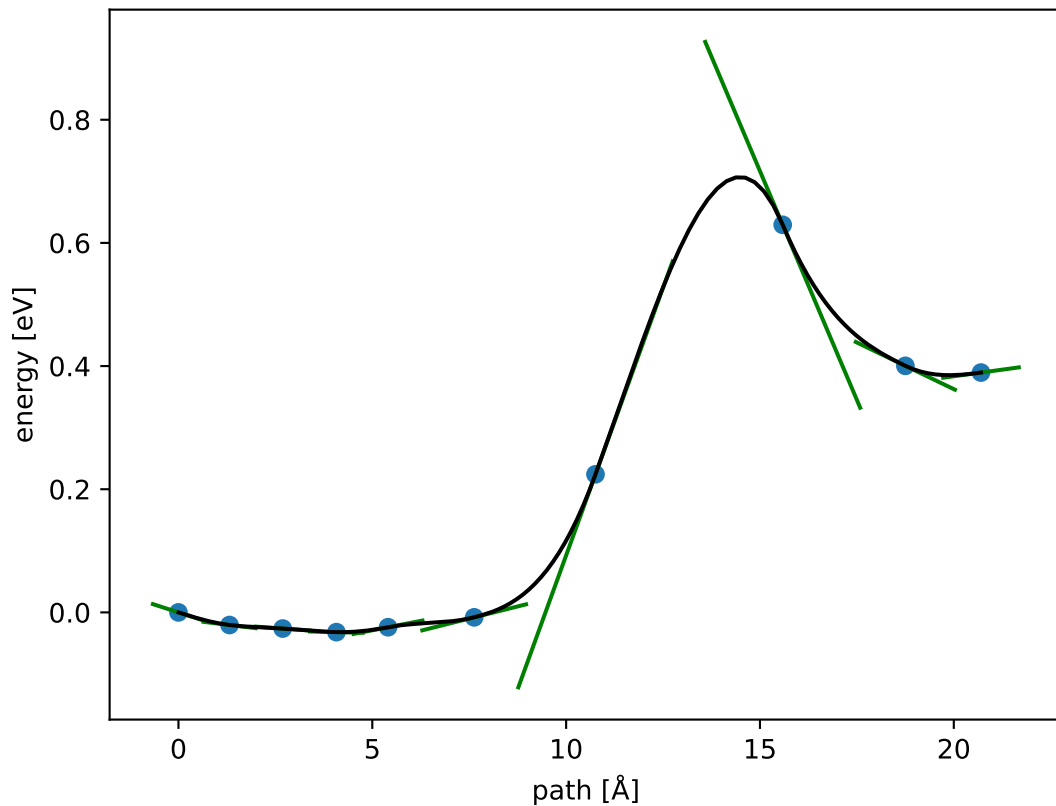
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



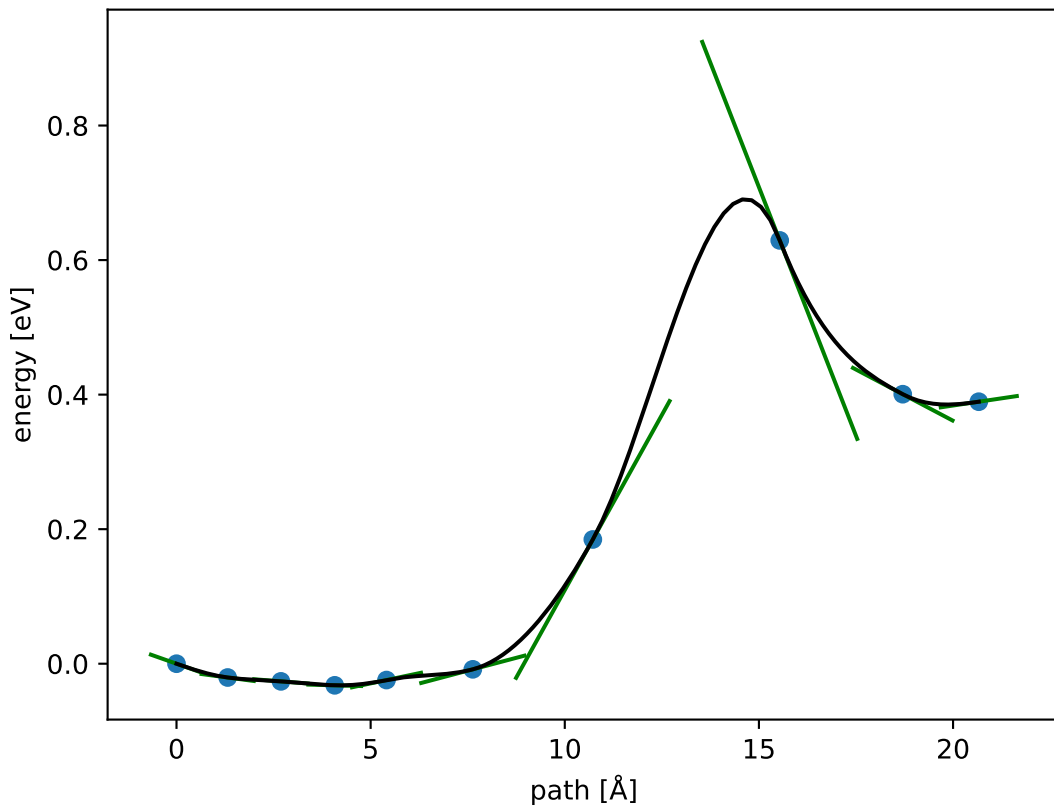
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

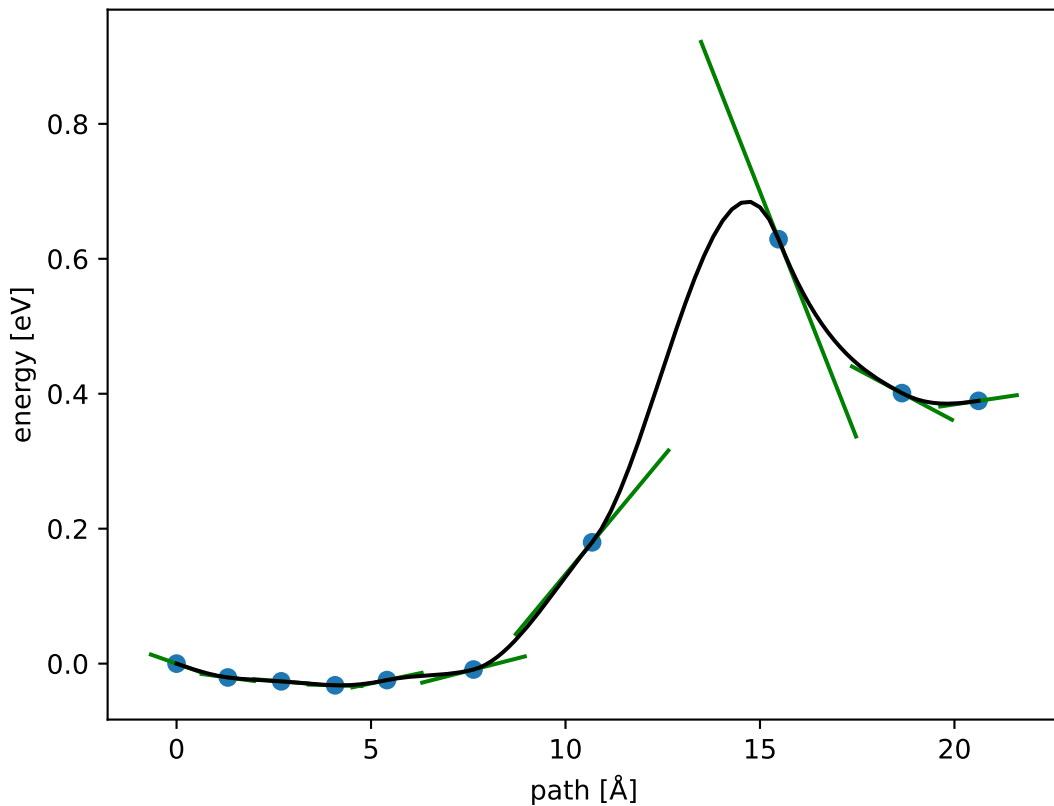


$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

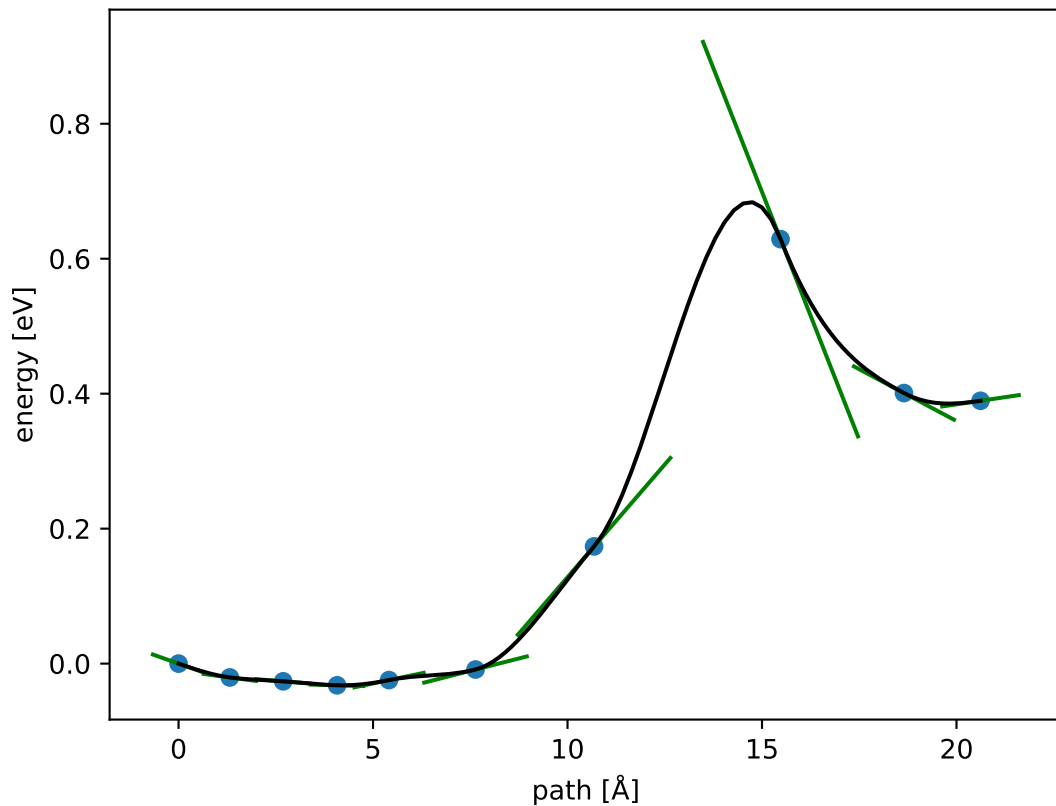




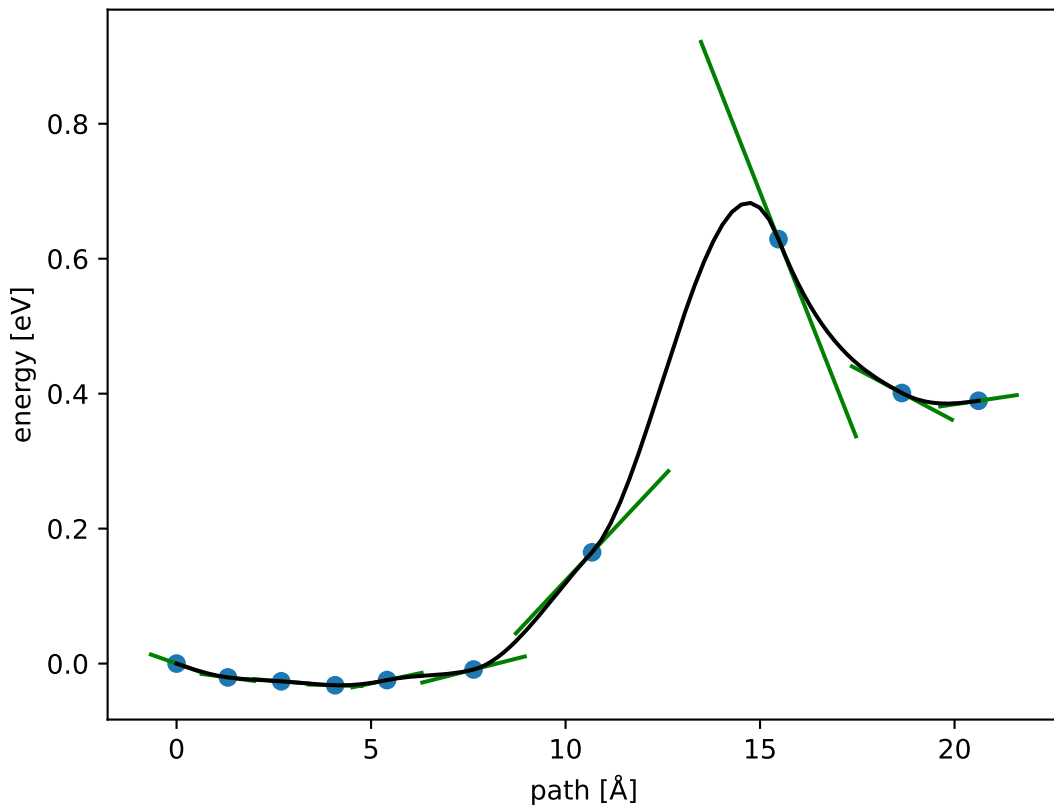
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



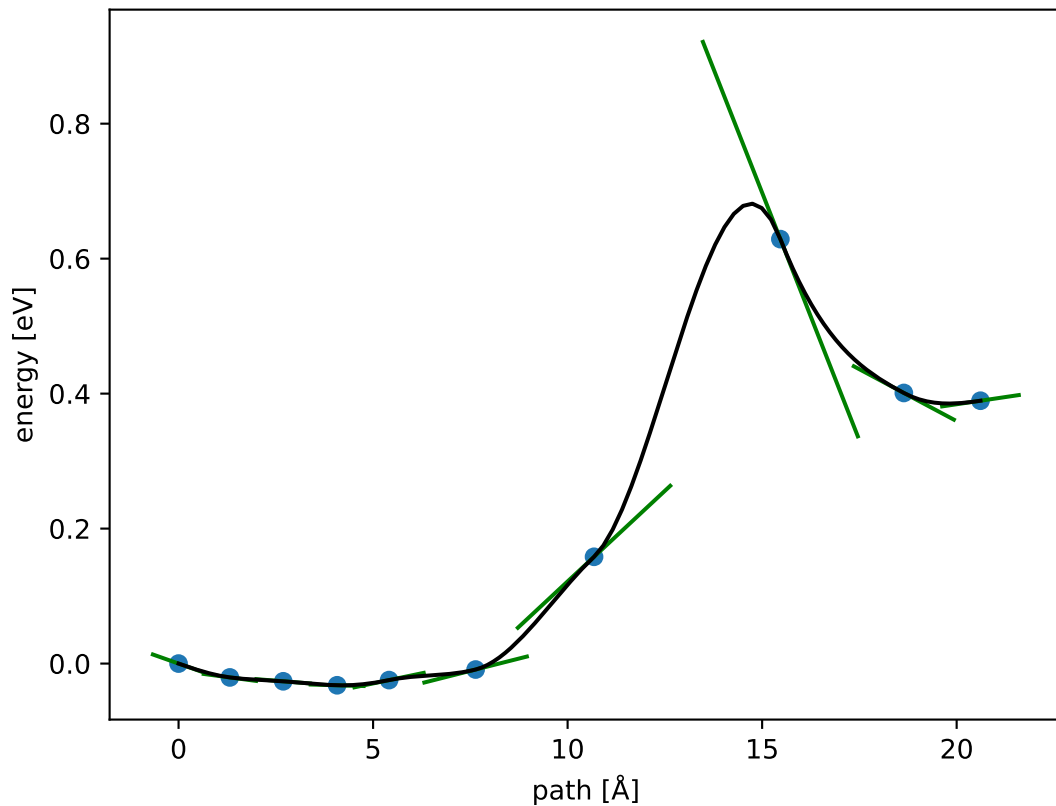
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



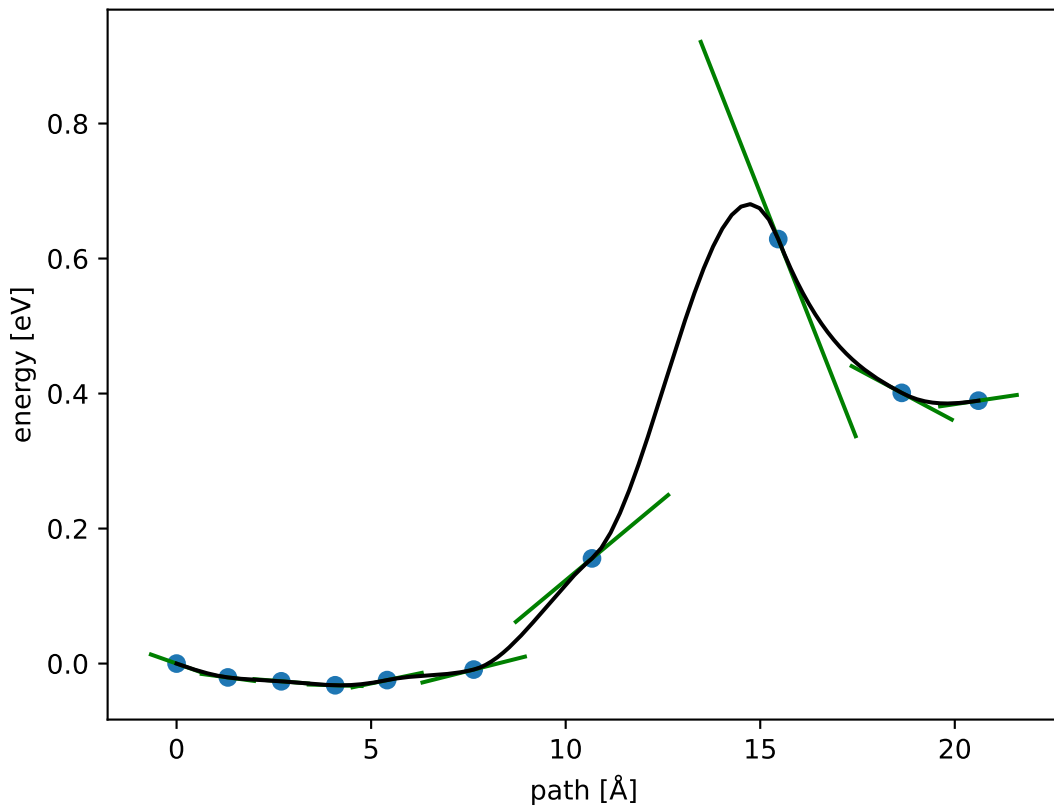
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.240 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



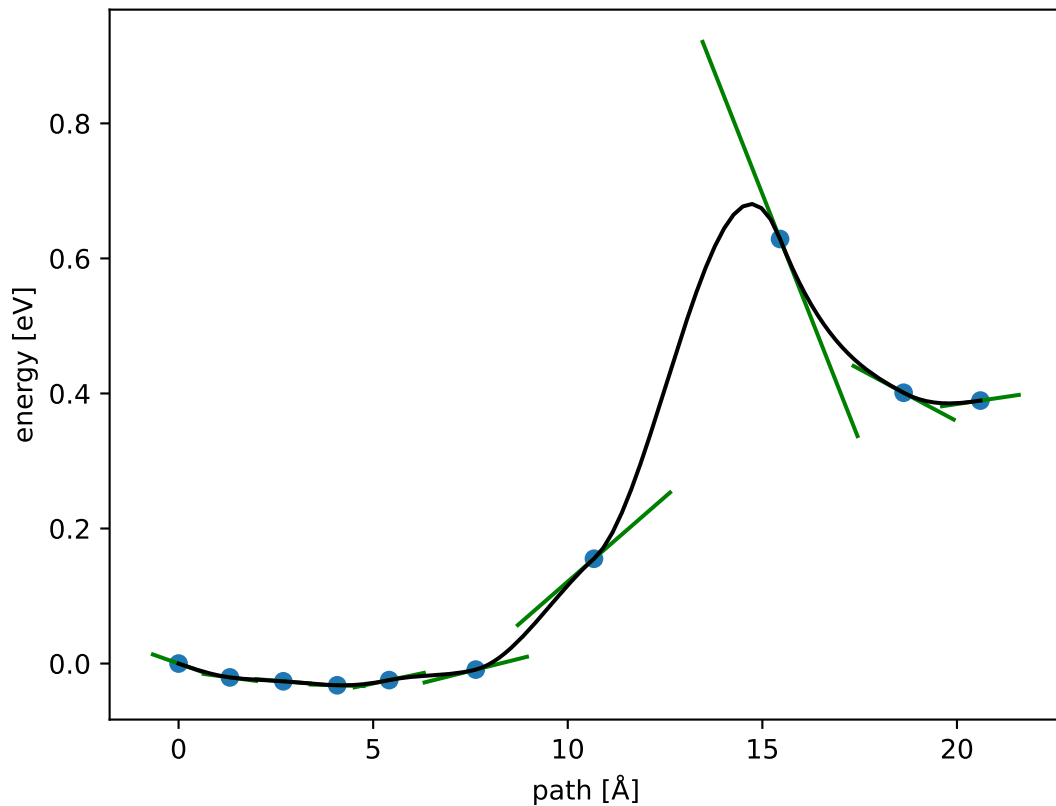
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



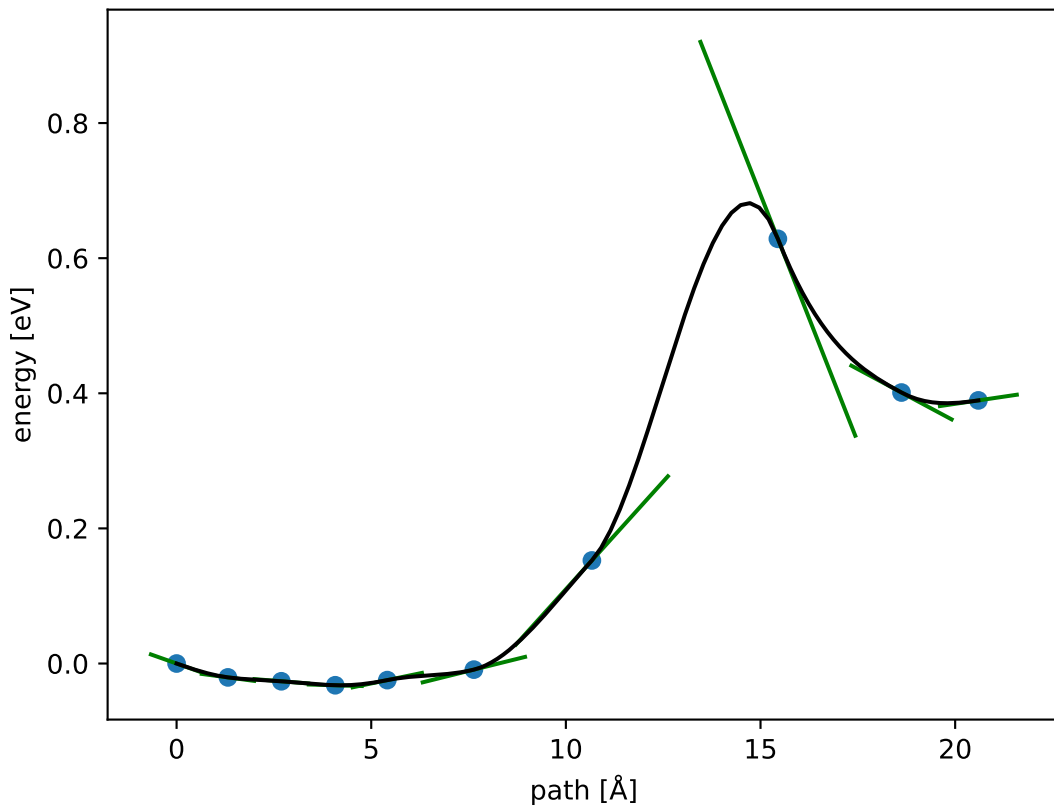
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



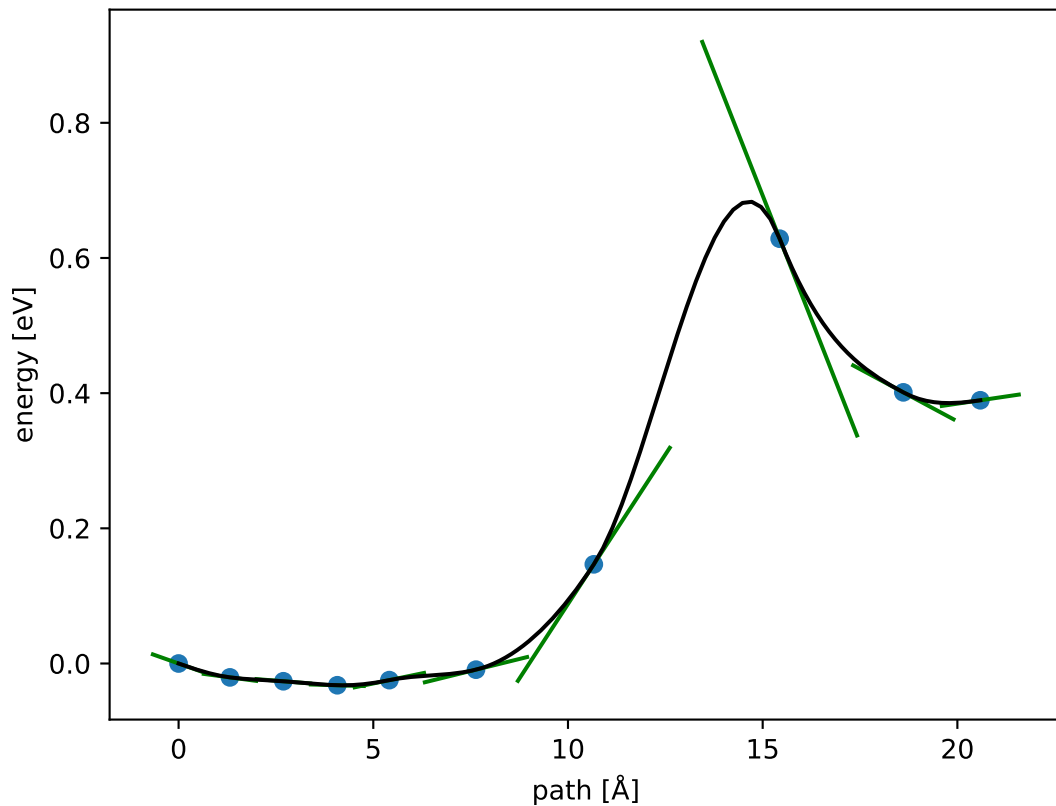
$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

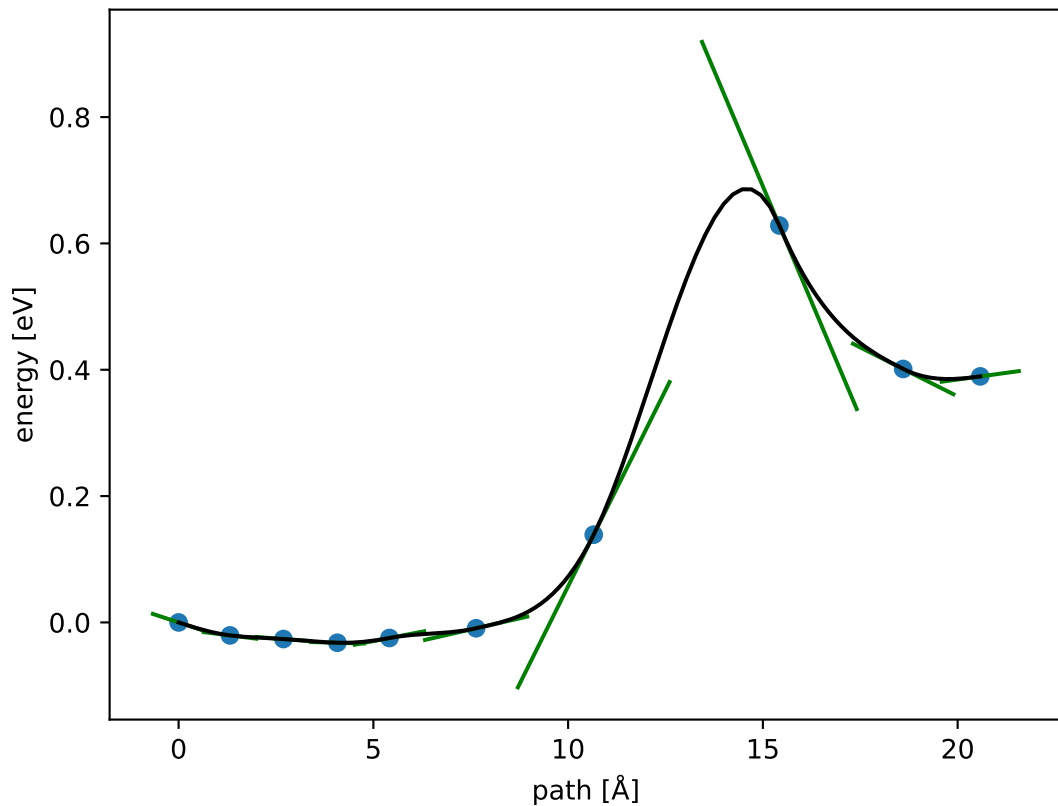


$$E_f \approx 0.629 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

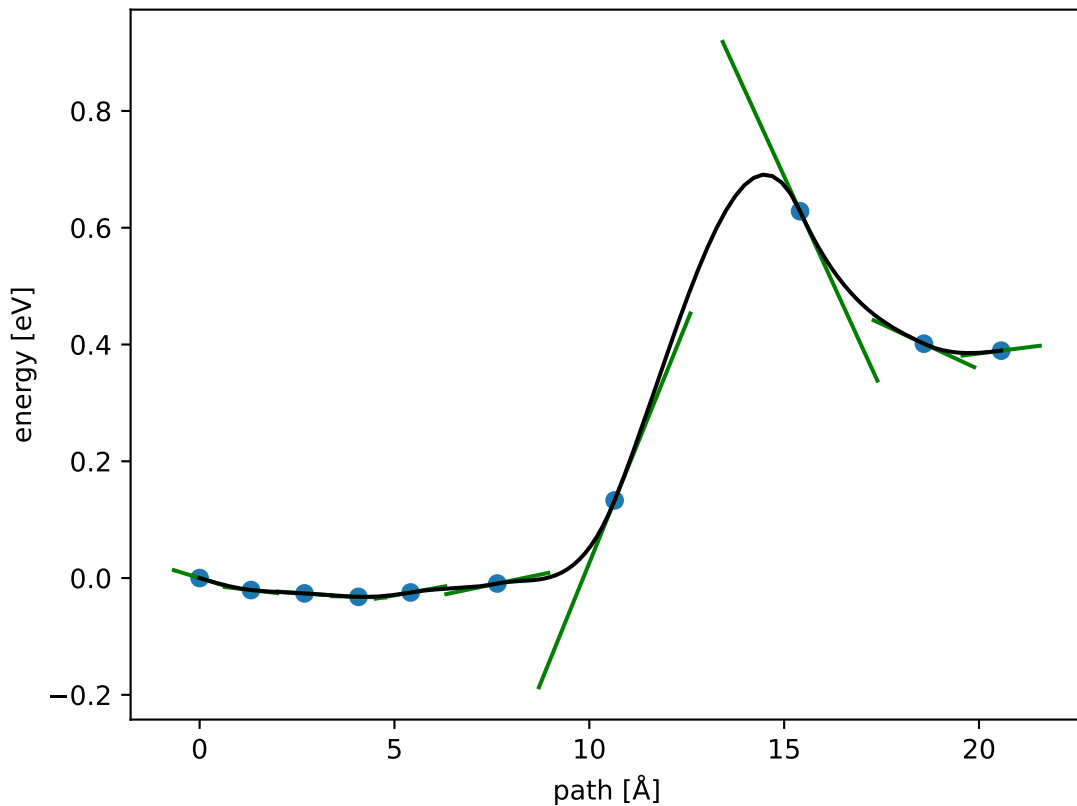




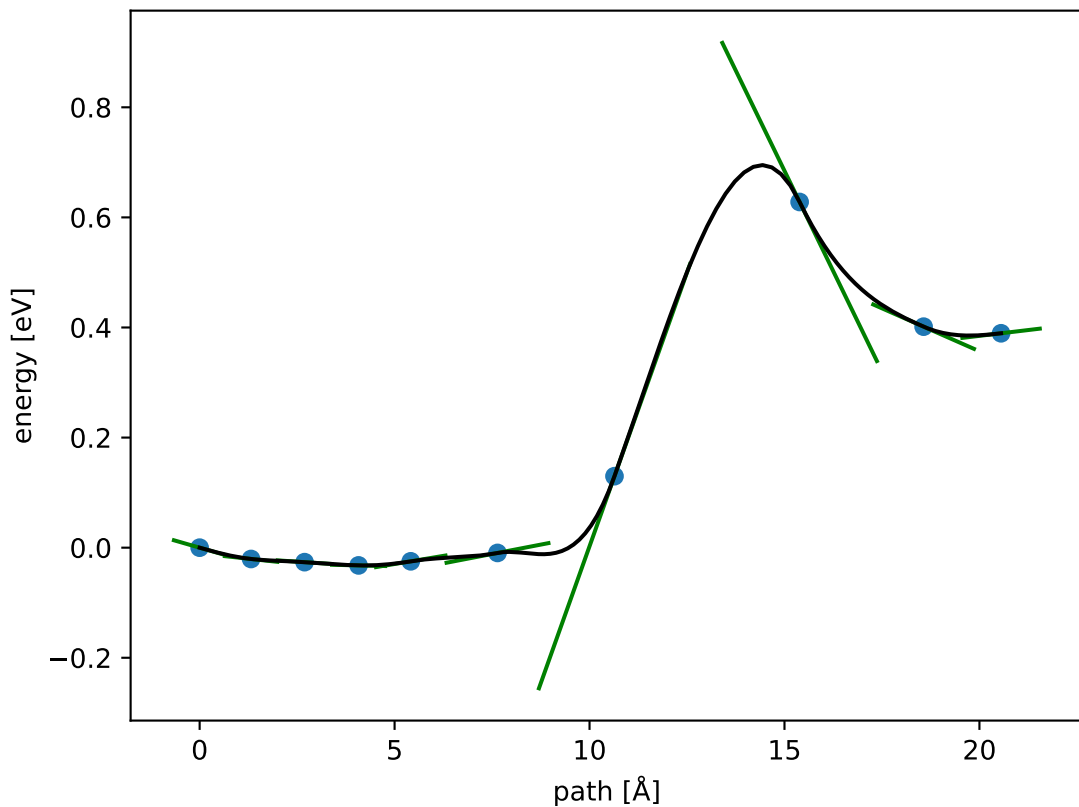
$$E_f \approx 0.628 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



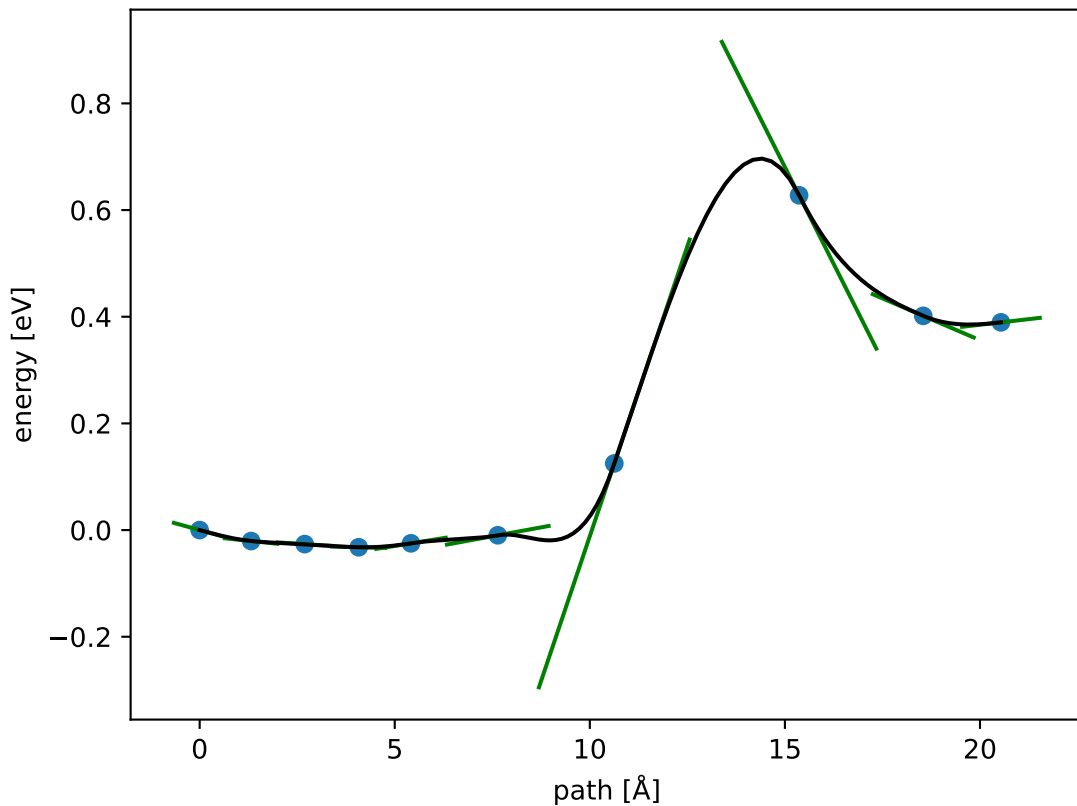
$$E_f \approx 0.628 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



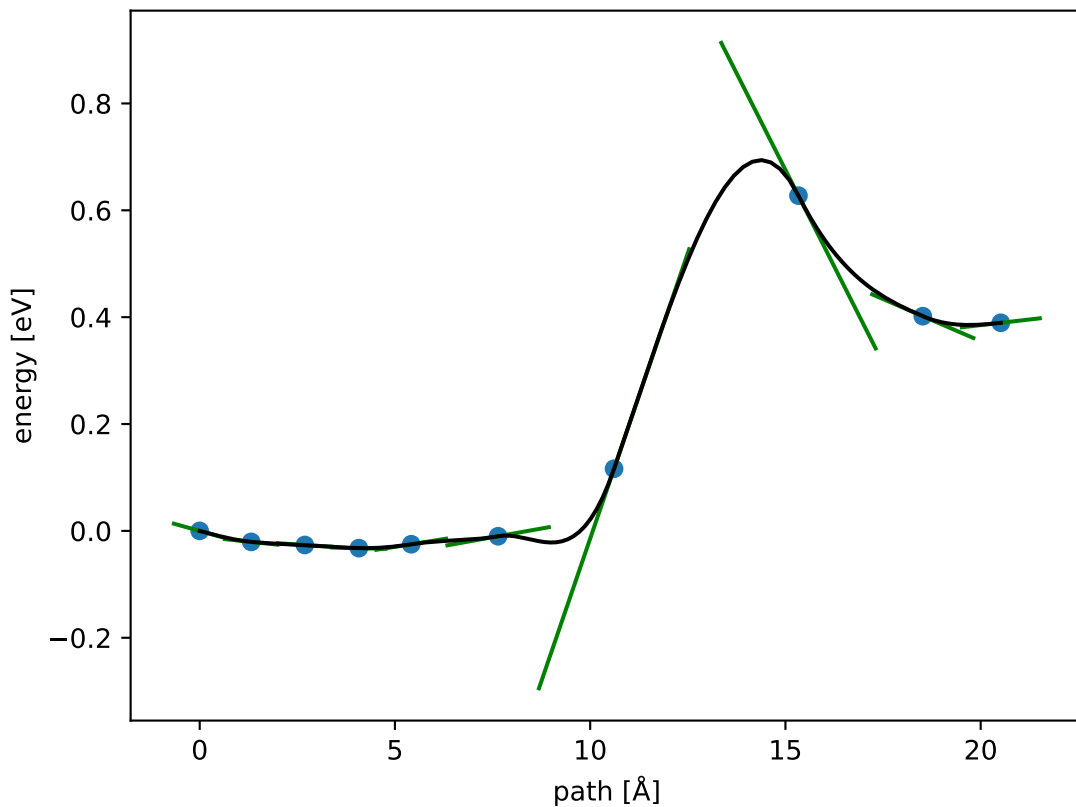
$$E_f \approx 0.628 \text{ eV}; E_r \approx 0.239 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



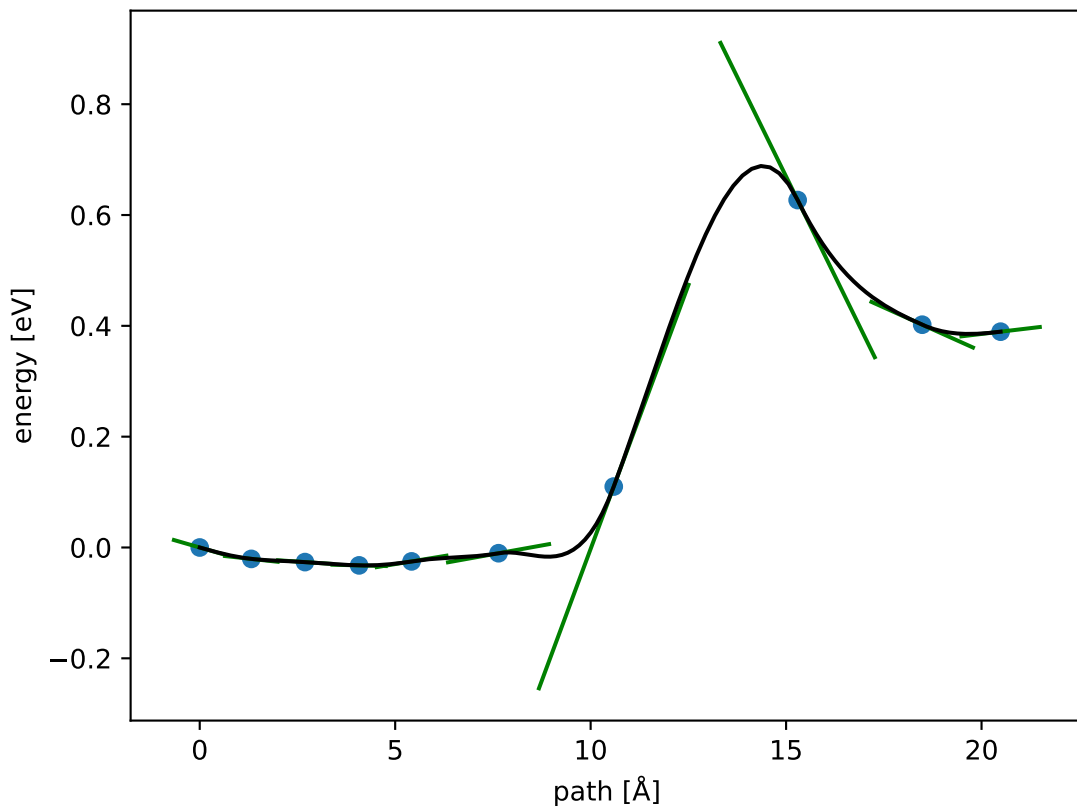
$$E_f \approx 0.628 \text{ eV}; E_r \approx 0.238 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



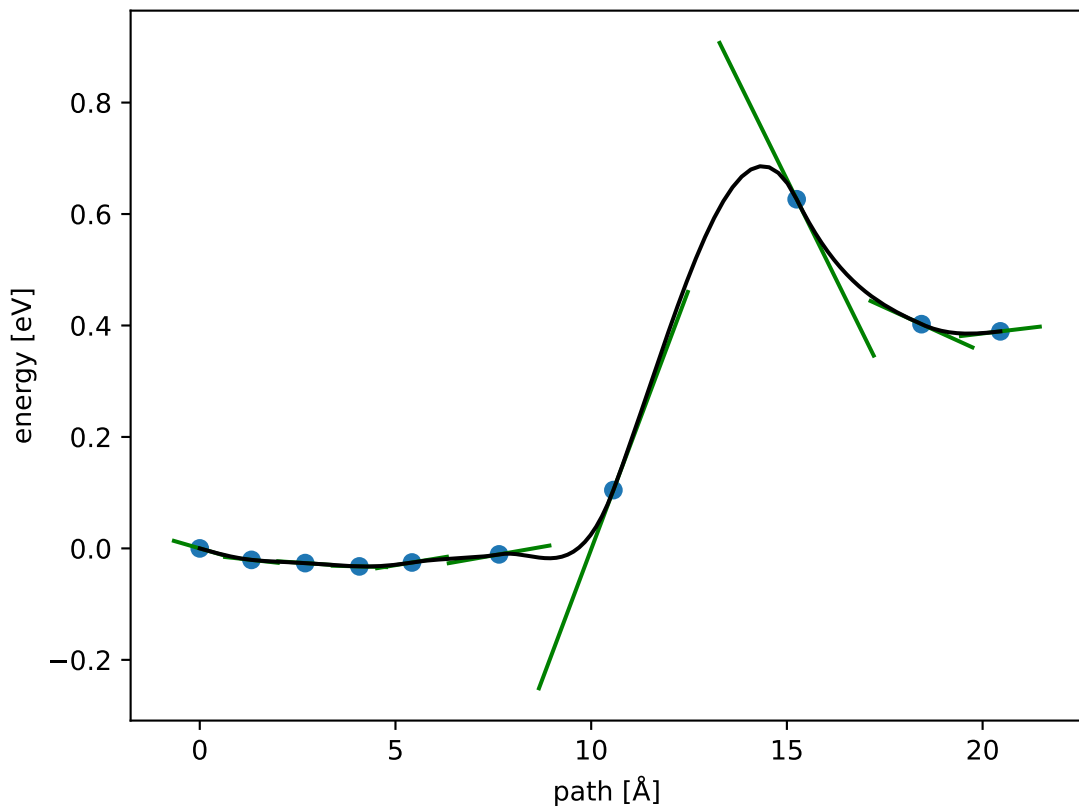
$$E_f \approx 0.627 \text{ eV}; E_r \approx 0.238 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



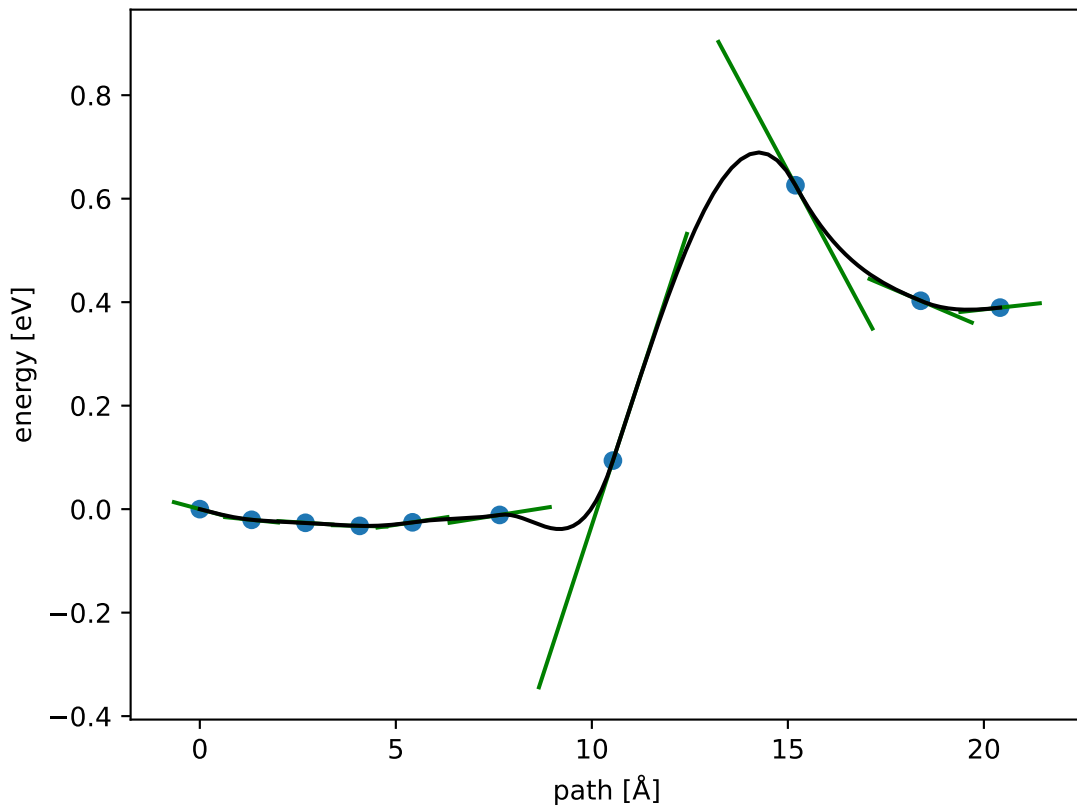
$$E_f \approx 0.627 \text{ eV}; E_r \approx 0.238 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.627 \text{ eV}; E_r \approx 0.237 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

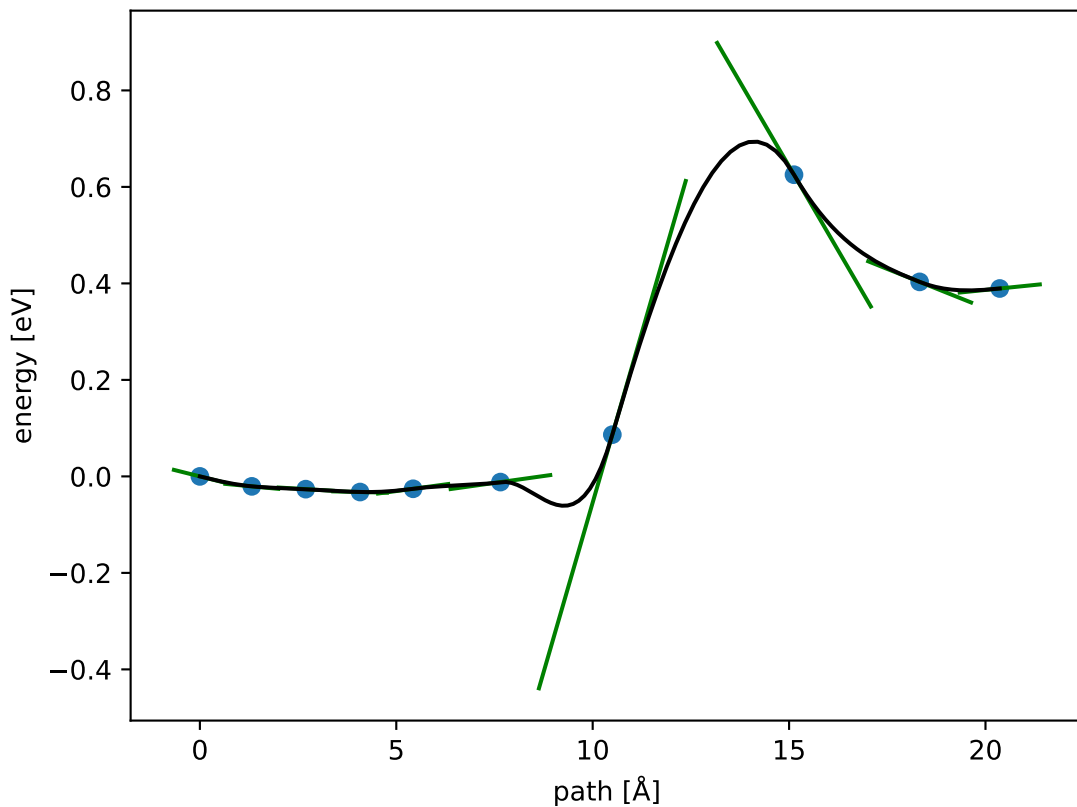


$$E_f \approx 0.626 \text{ eV}; E_r \approx 0.236 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

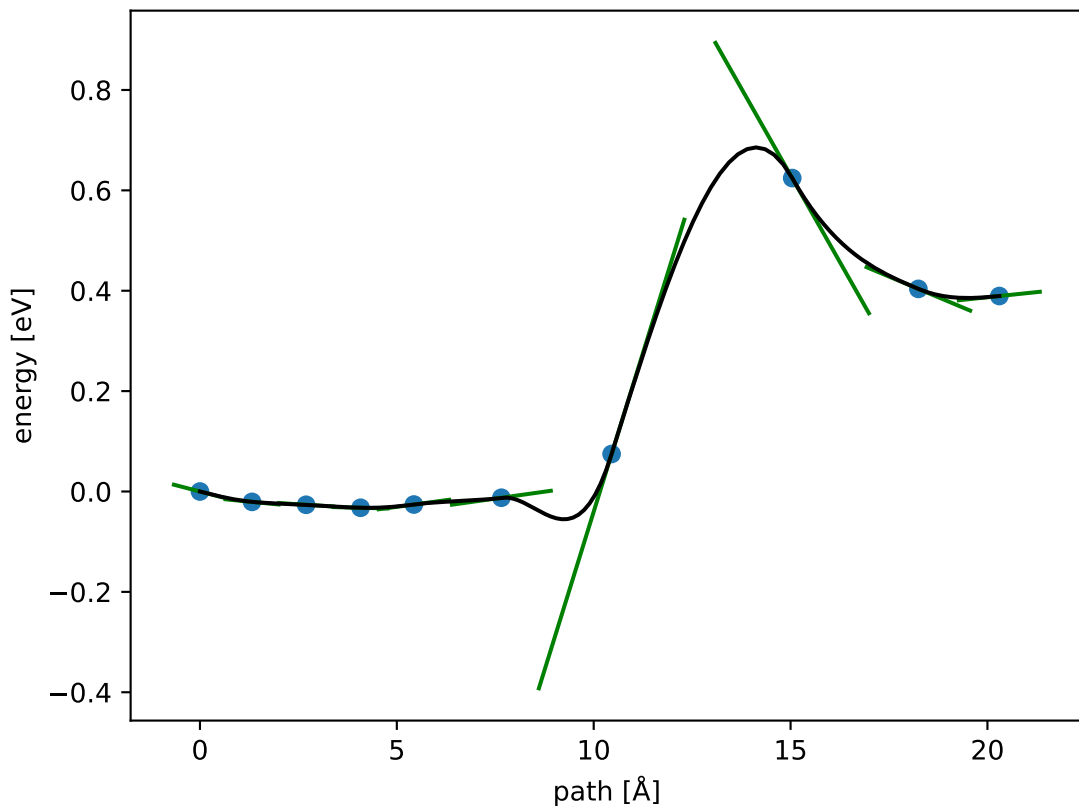




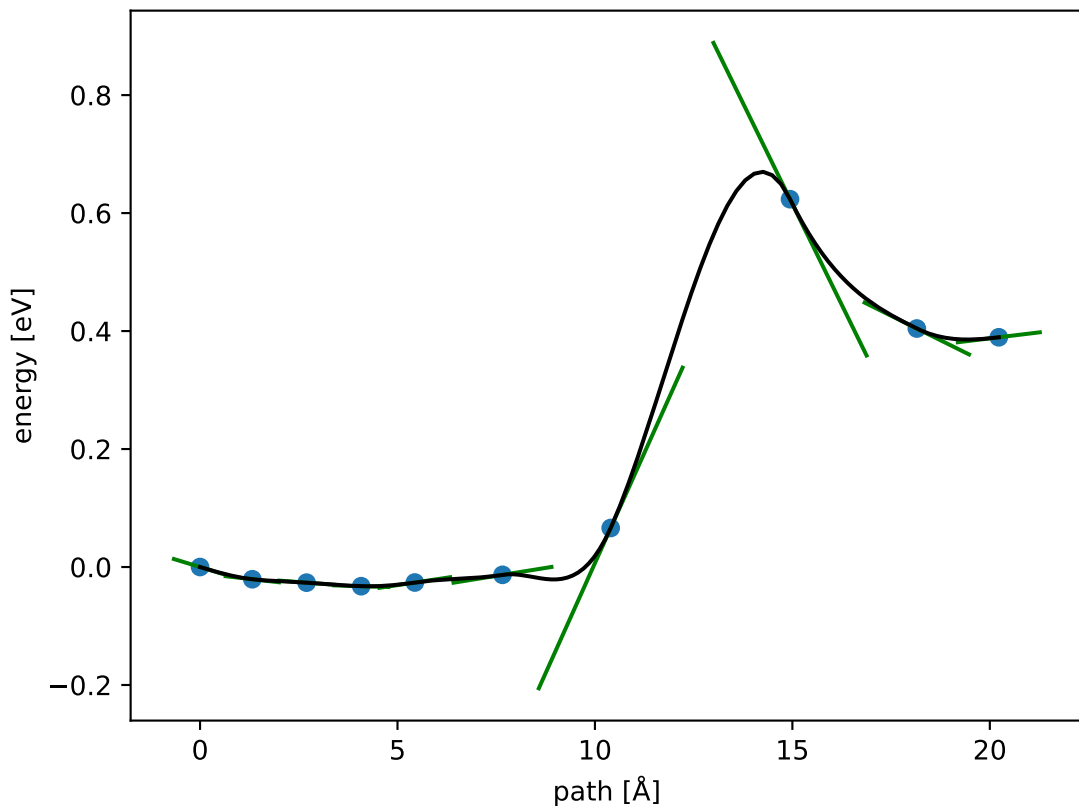
$$E_f \approx 0.625 \text{ eV}; E_r \approx 0.236 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



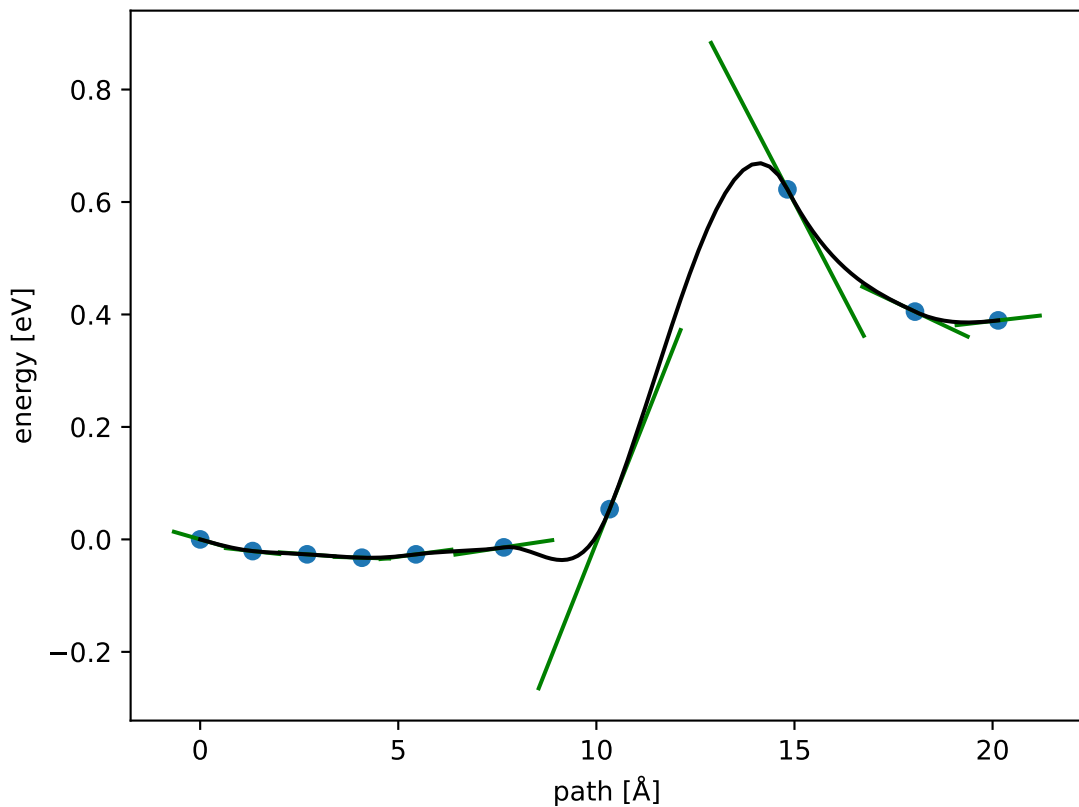
$$E_f \approx 0.624 \text{ eV}; E_r \approx 0.235 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



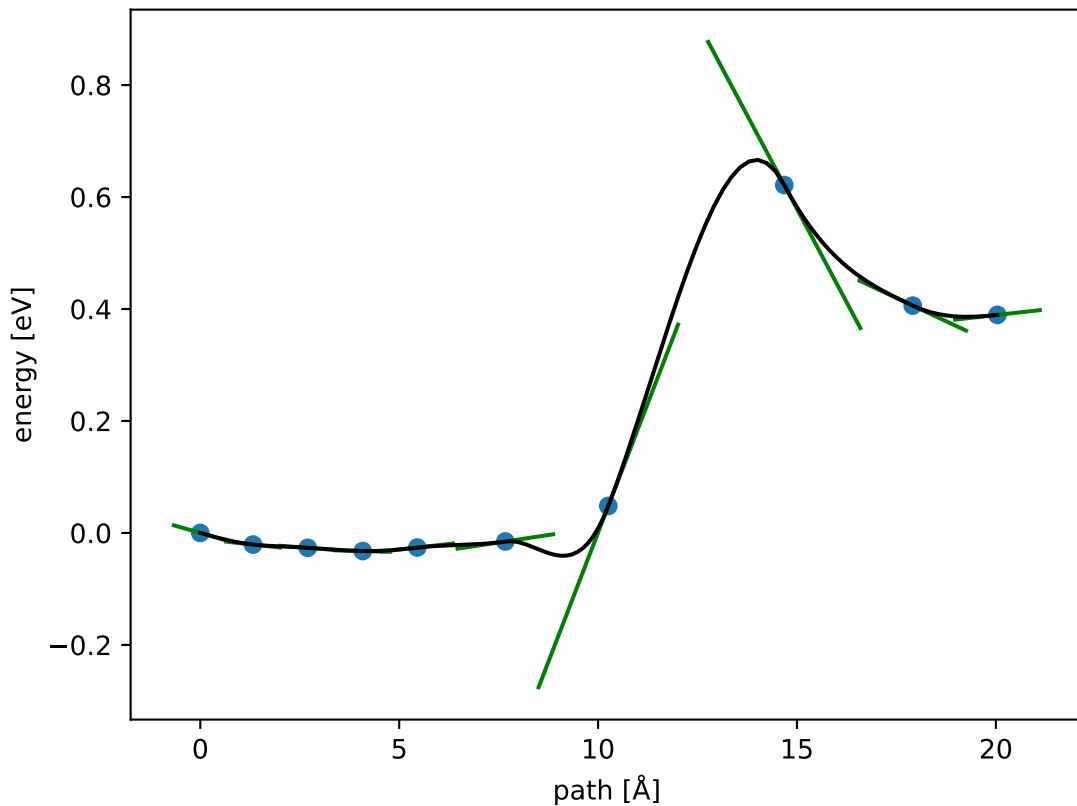
$$E_f \approx 0.624 \text{ eV}; E_r \approx 0.234 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



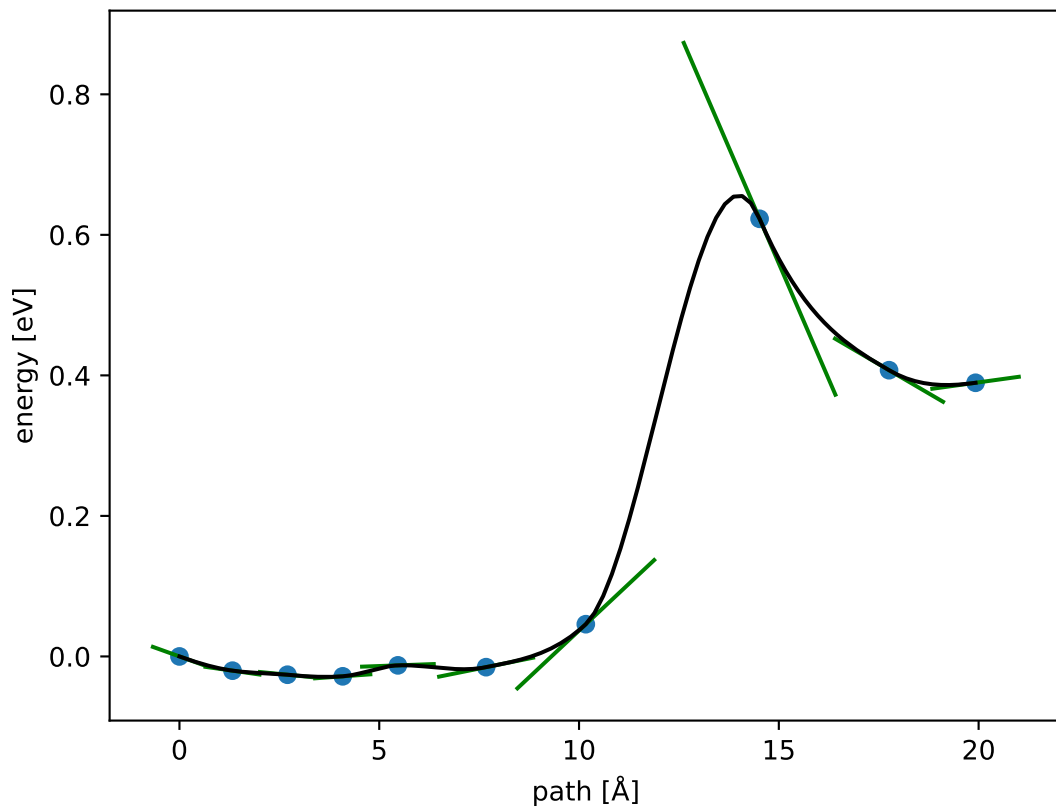
$$E_f \approx 0.622 \text{ eV}; E_r \approx 0.233 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



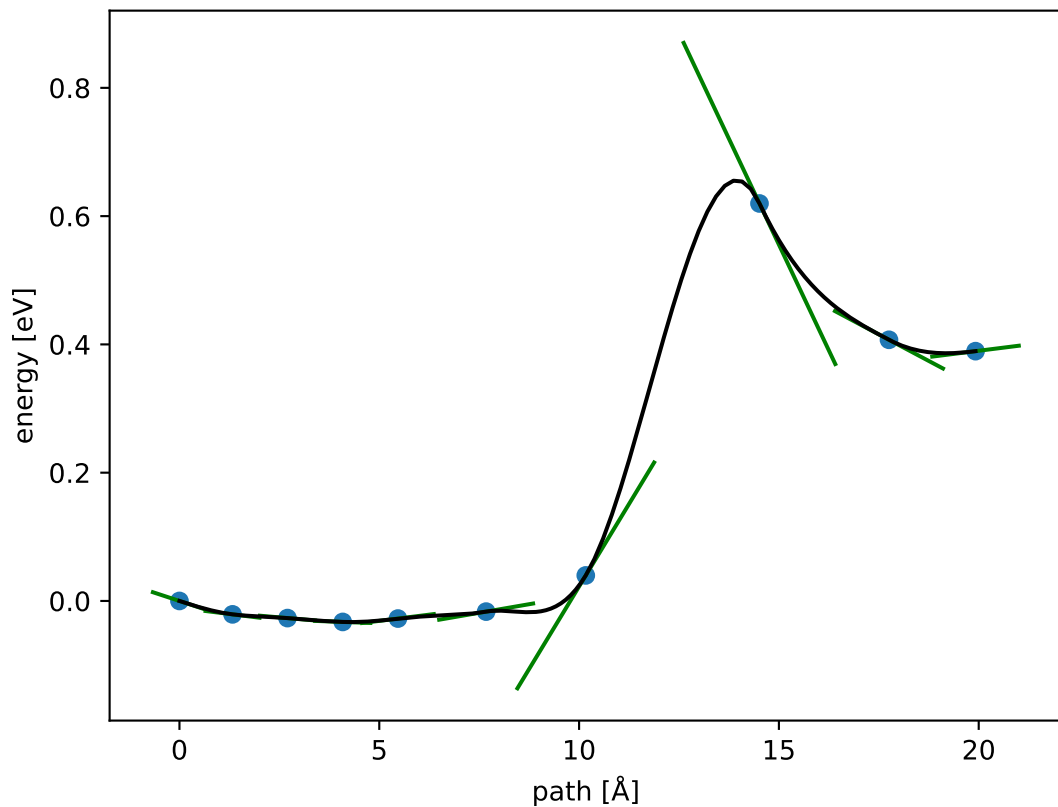
$$E_f \approx 0.621 \text{ eV}; E_r \approx 0.232 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



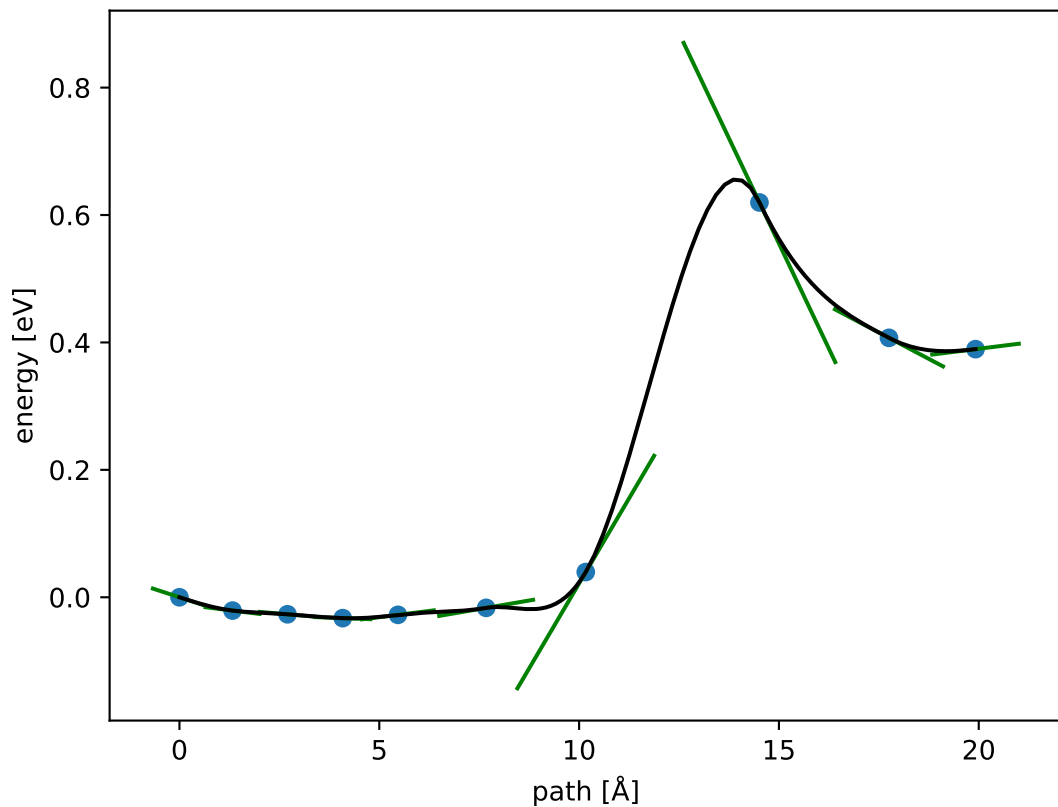
$$E_f \approx 0.623 \text{ eV}; E_r \approx 0.233 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.620 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

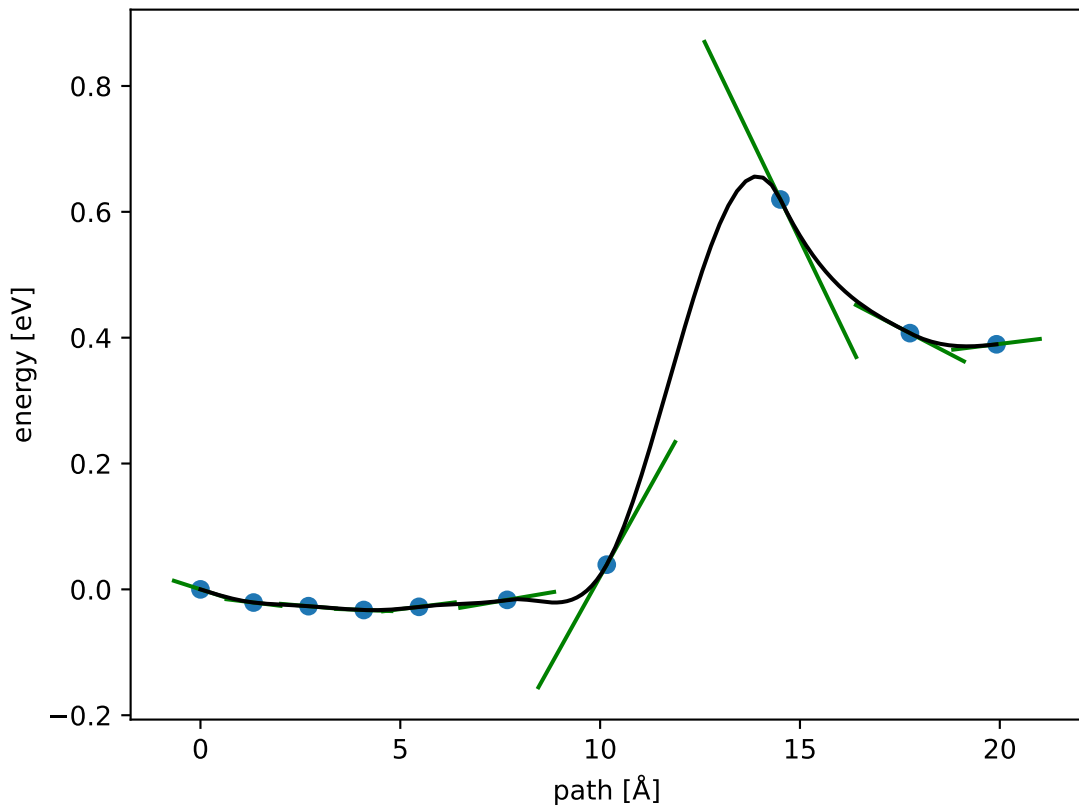


$$E_f \approx 0.620 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

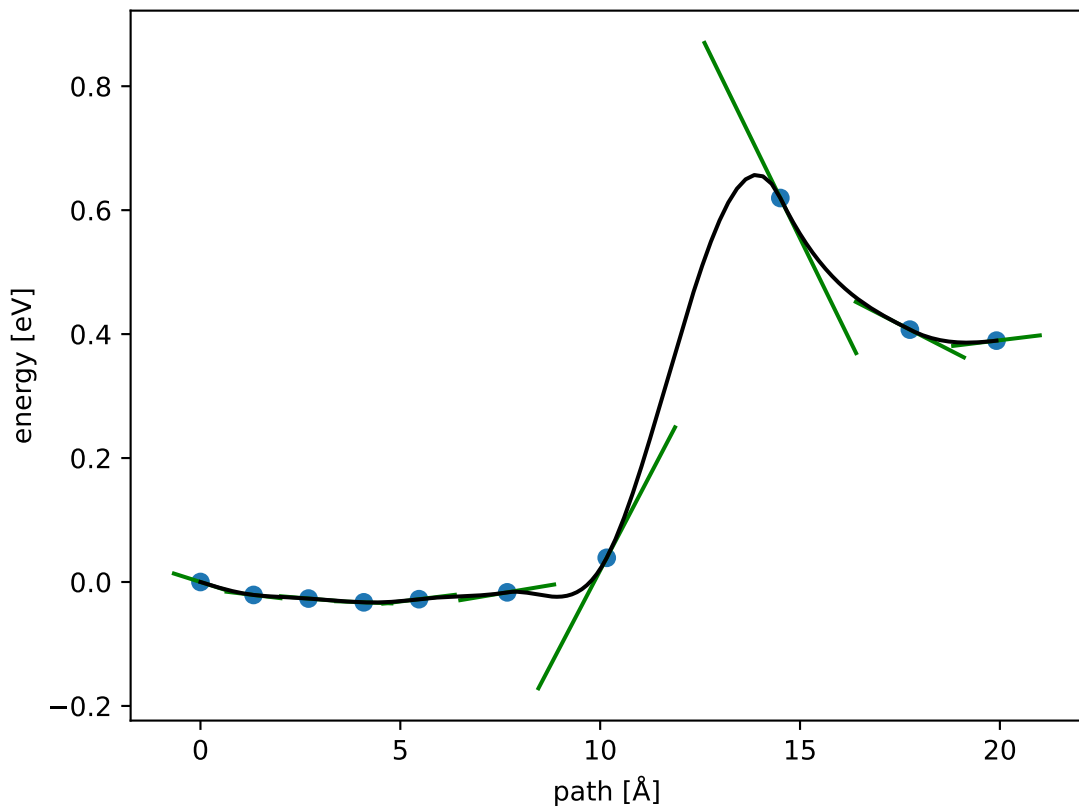




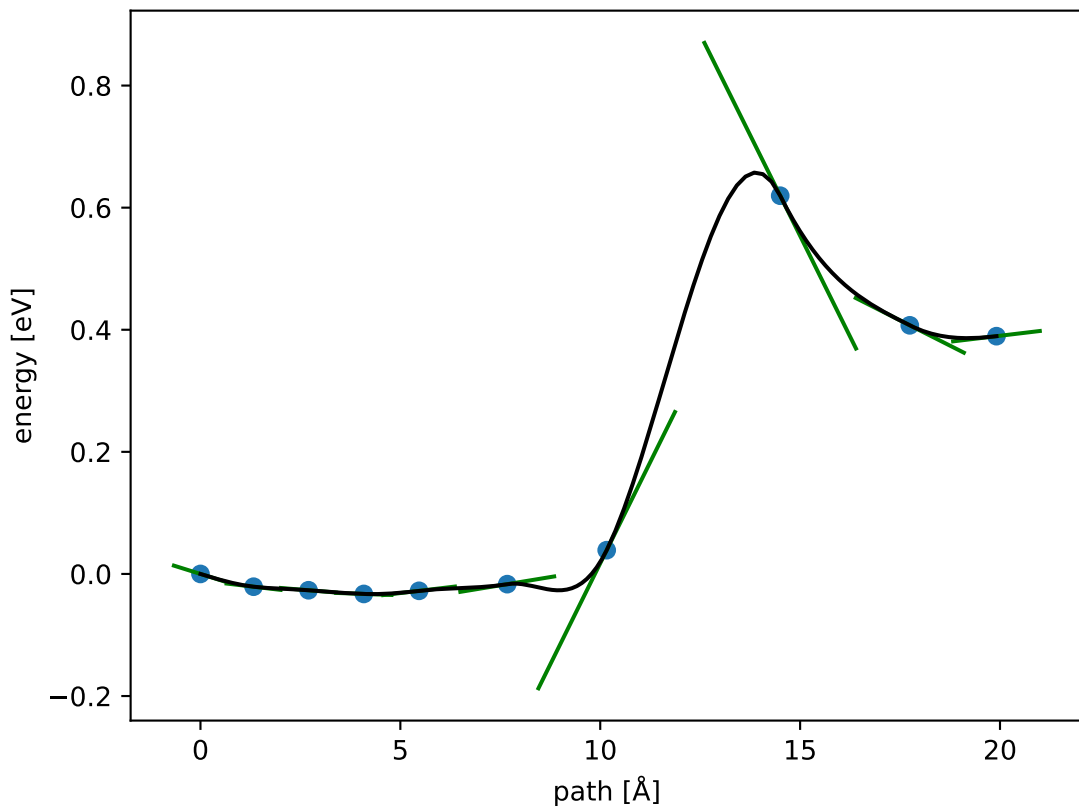
$$E_f \approx 0.620 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



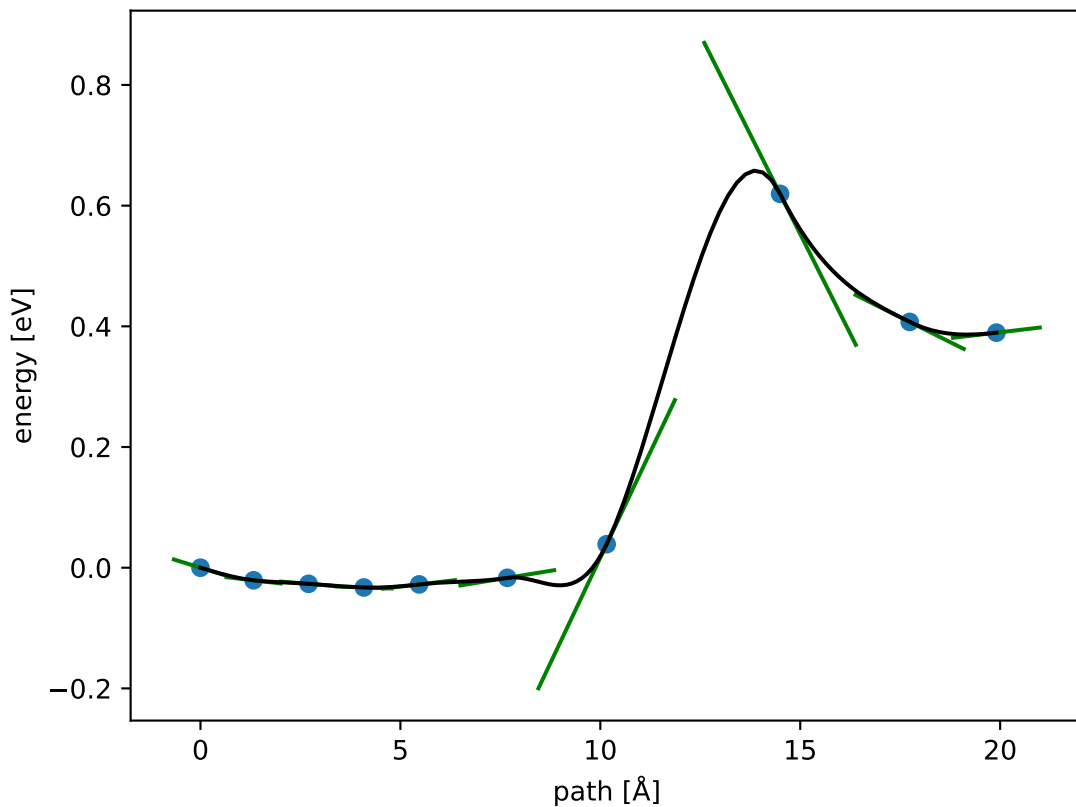
$$E_f \approx 0.620 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



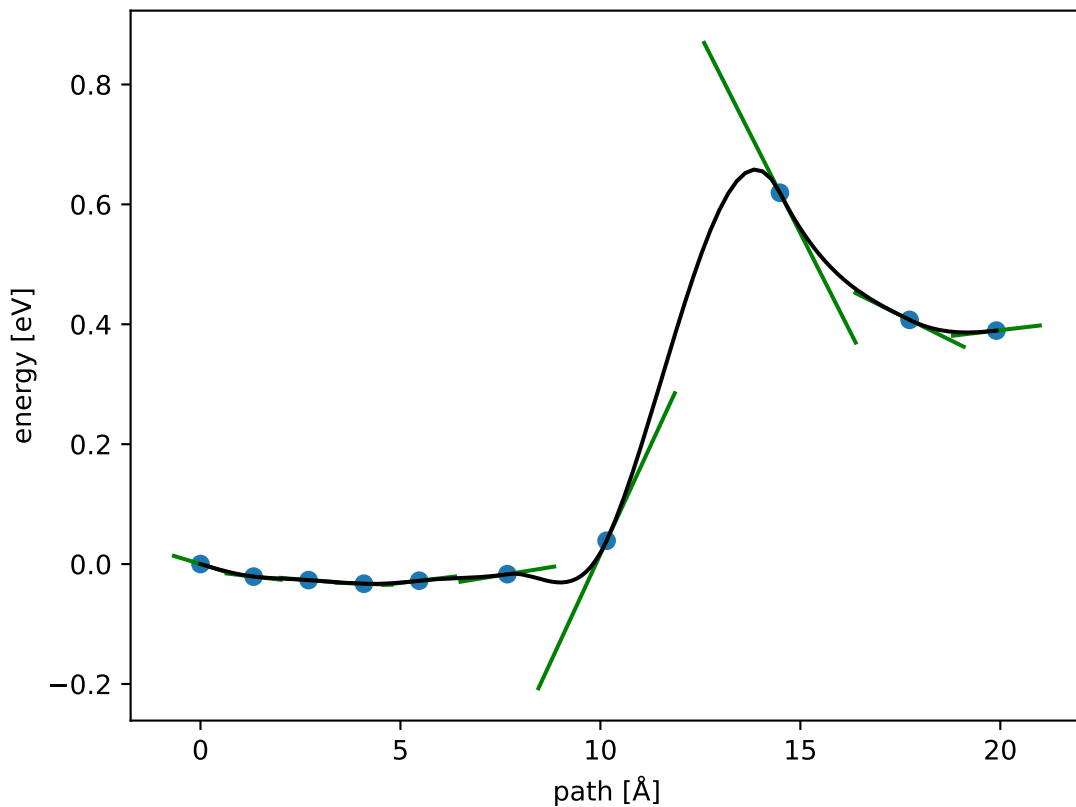
$$E_f \approx 0.620 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



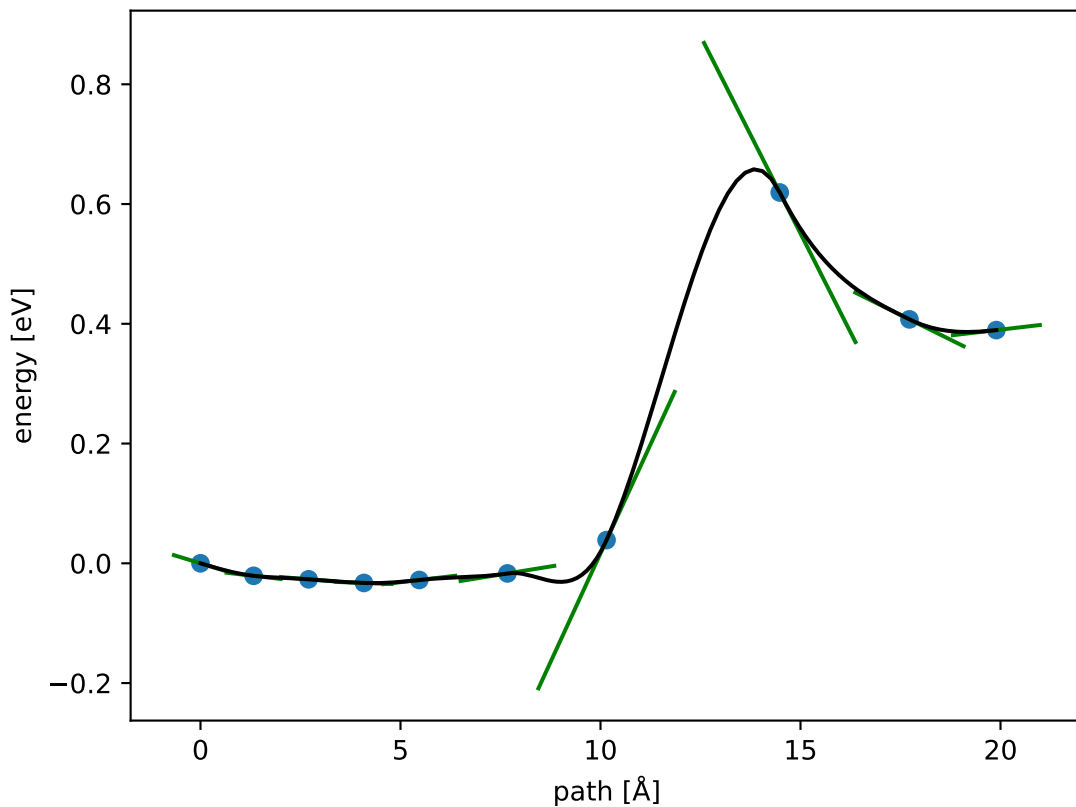
$$E_f \approx 0.620 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



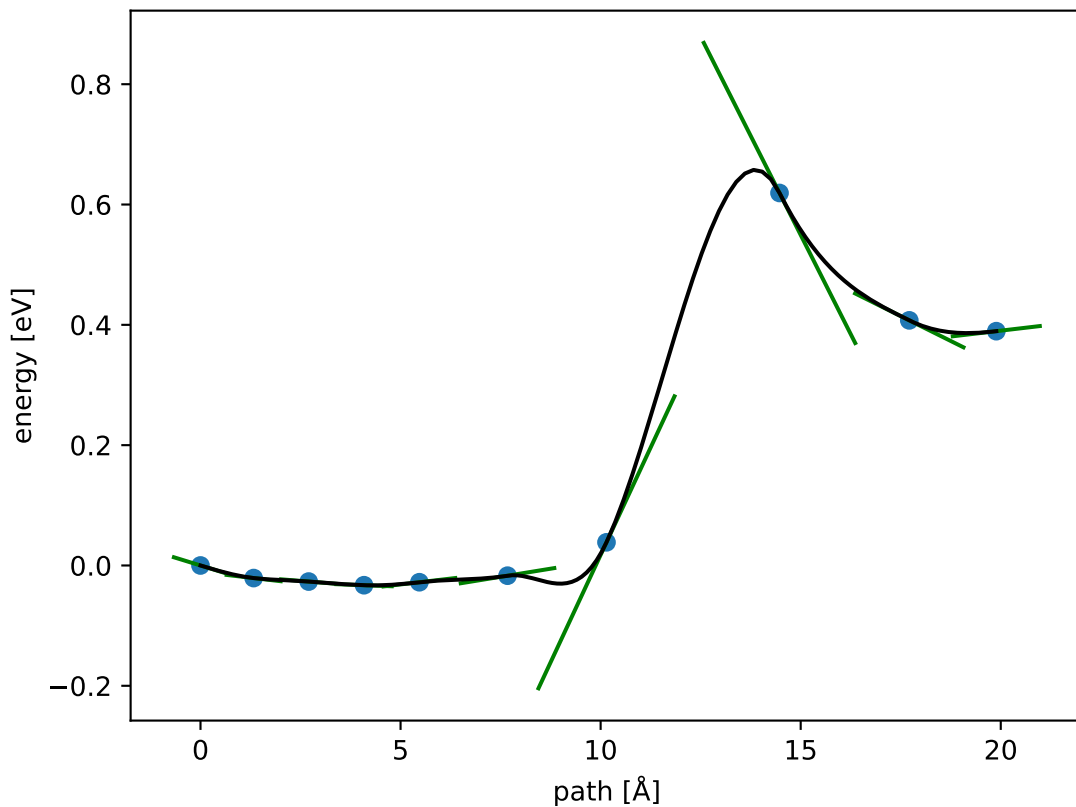
$$E_f \approx 0.619 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



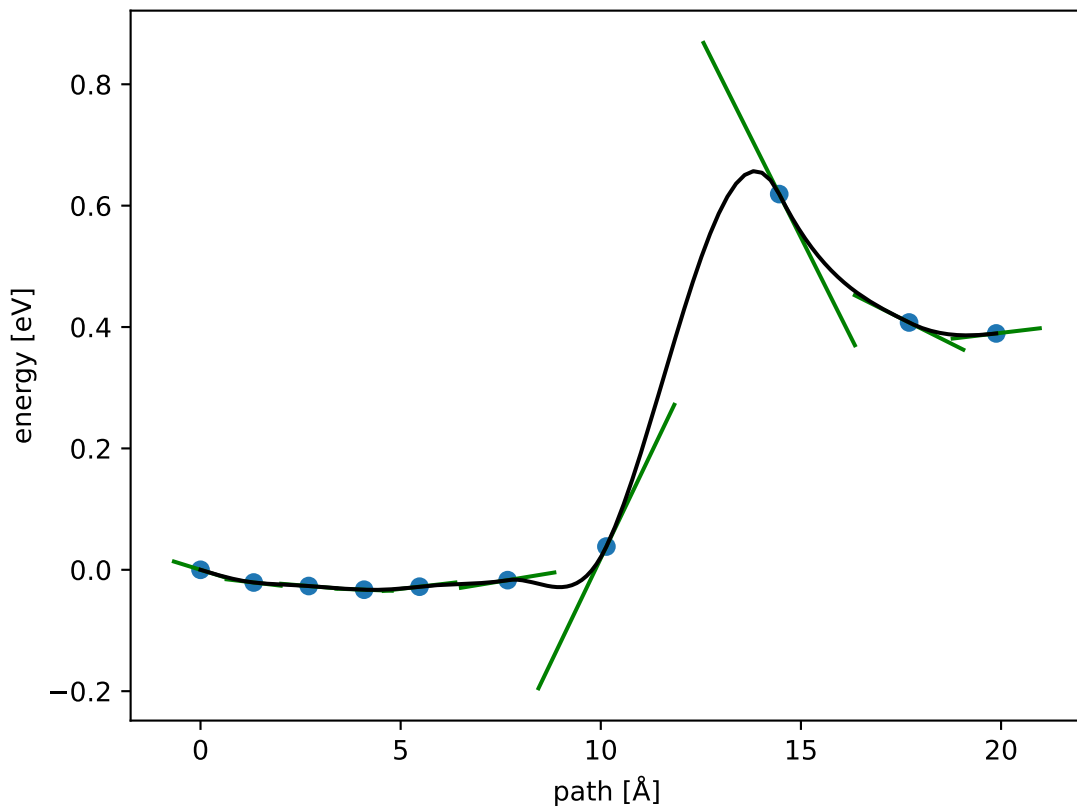
$$E_f \approx 0.619 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.619 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

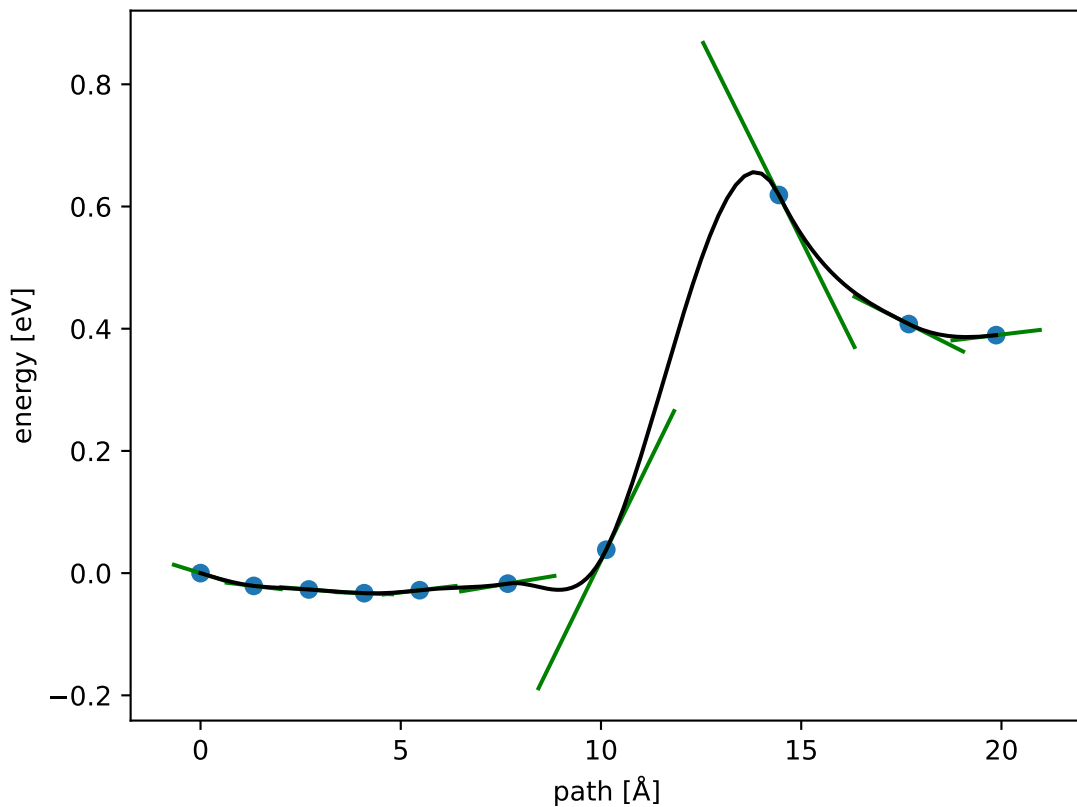


$$E_f \approx 0.619 \text{ eV}; E_r \approx 0.230 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

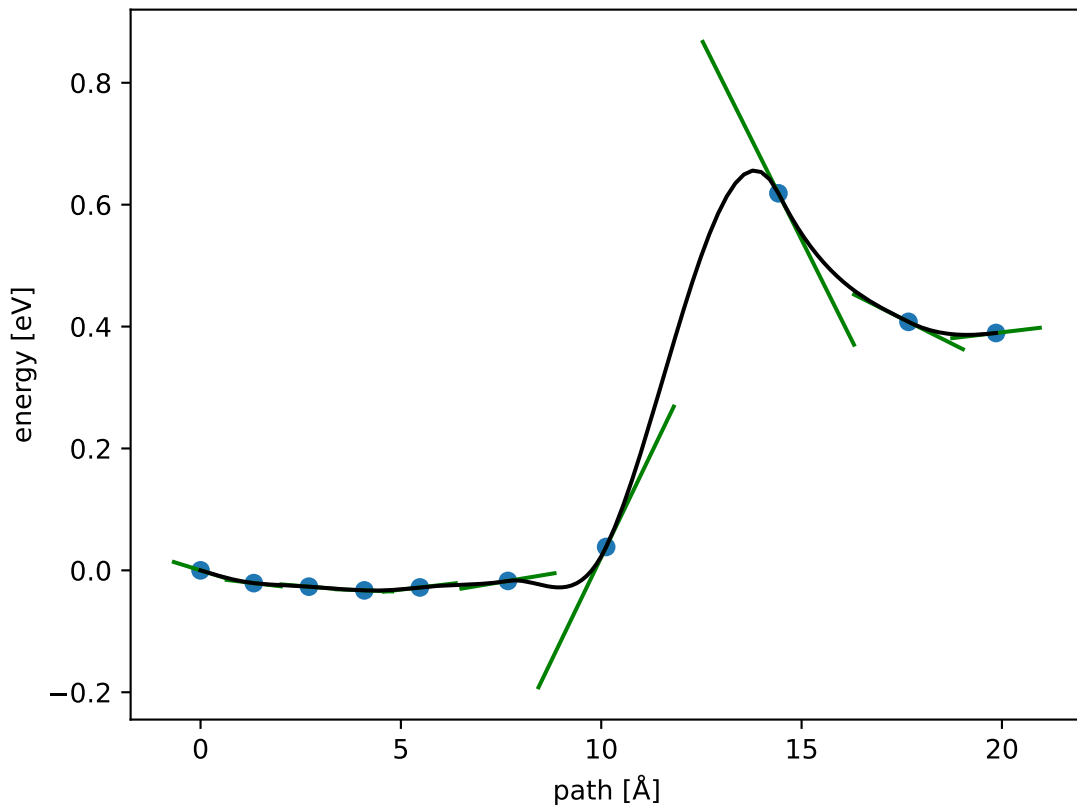




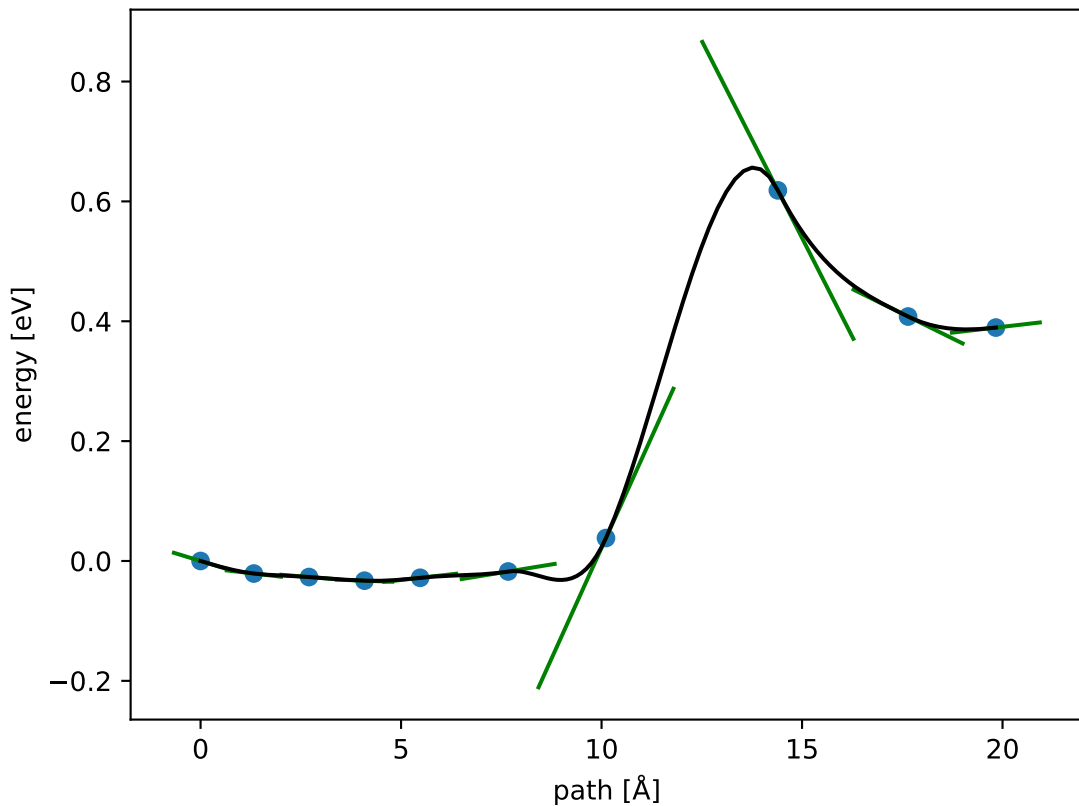
$$E_f \approx 0.619 \text{ eV}; E_r \approx 0.229 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



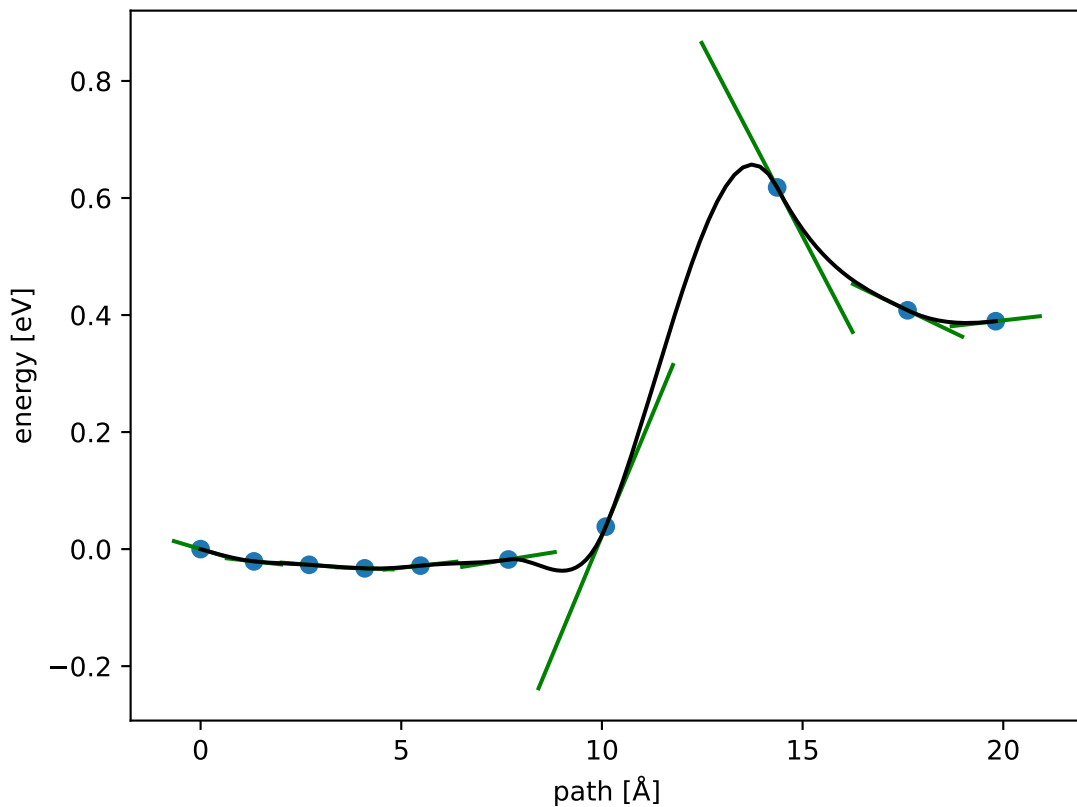
$$E_f \approx 0.619 \text{ eV}; E_r \approx 0.229 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



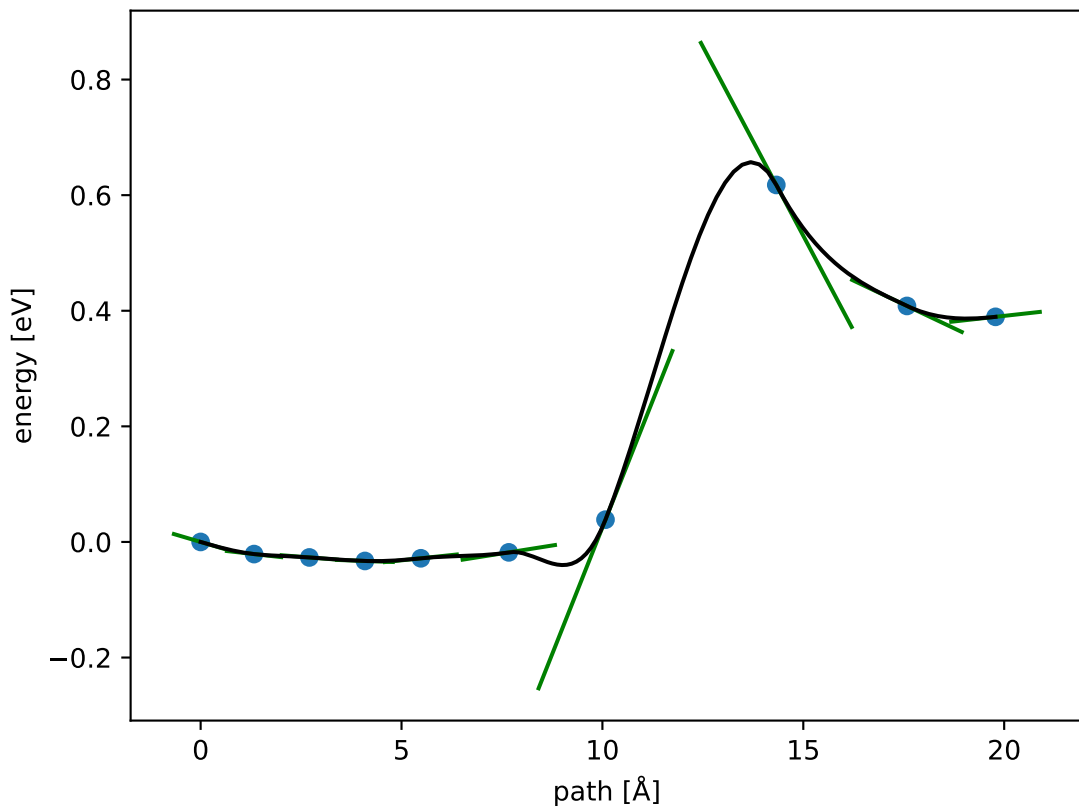
$$E_f \approx 0.618 \text{ eV}; E_r \approx 0.229 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



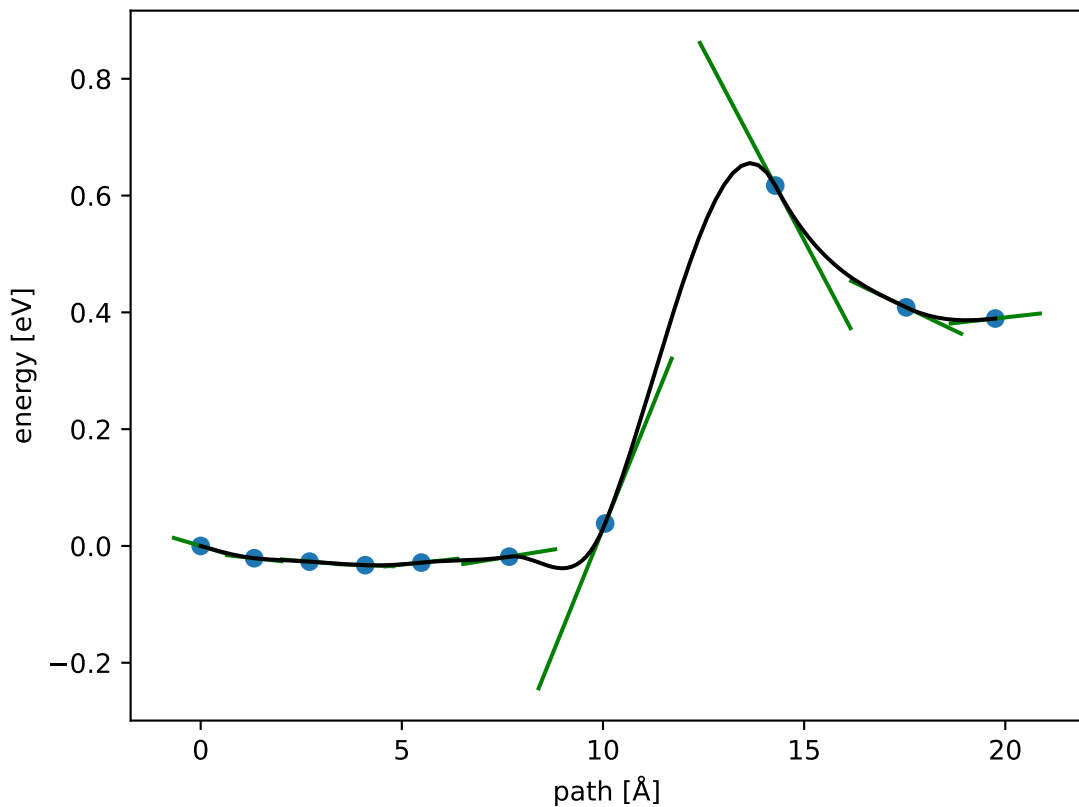
$$E_f \approx 0.618 \text{ eV}; E_r \approx 0.229 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



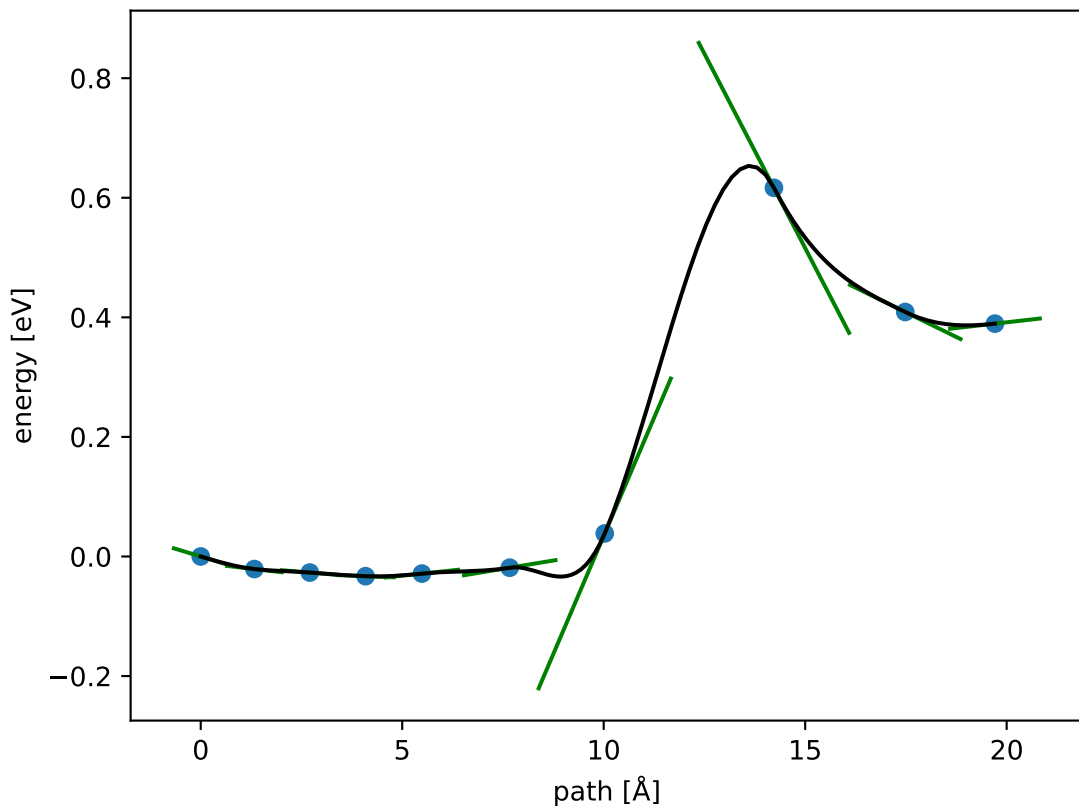
$$E_f \approx 0.618 \text{ eV}; E_r \approx 0.228 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



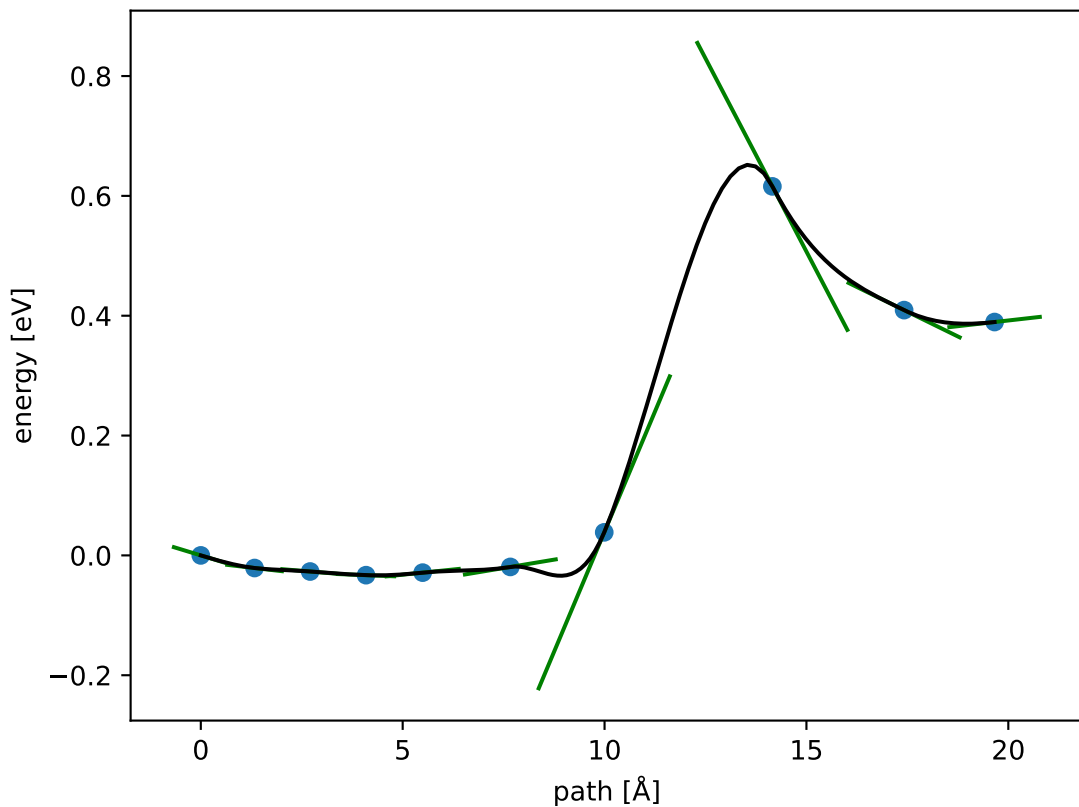
$$E_f \approx 0.617 \text{ eV}; E_r \approx 0.228 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.617 \text{ eV}; E_r \approx 0.227 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

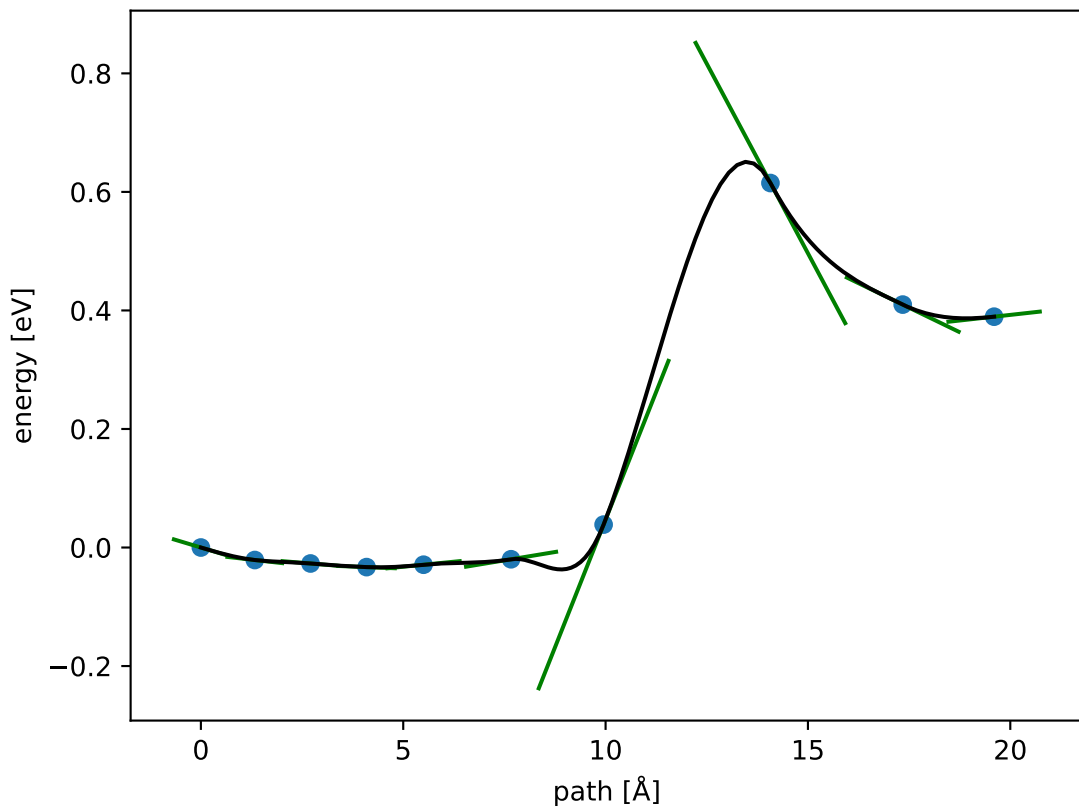


$$E_f \approx 0.616 \text{ eV}; E_r \approx 0.226 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

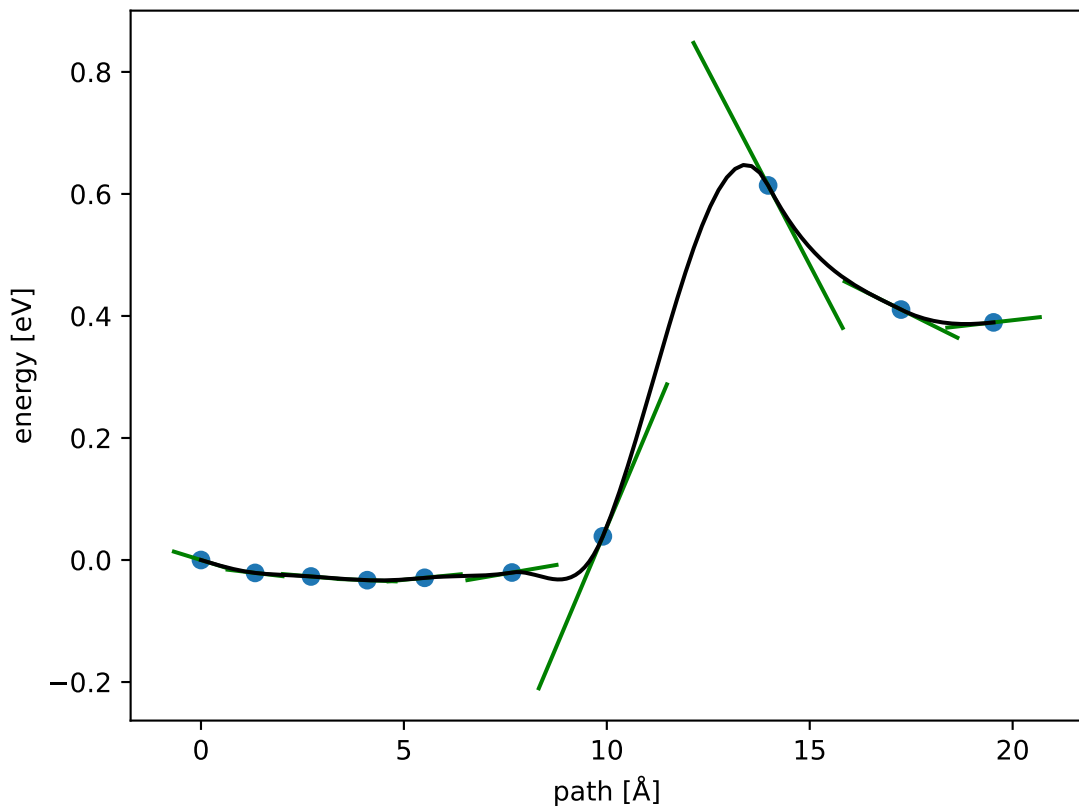




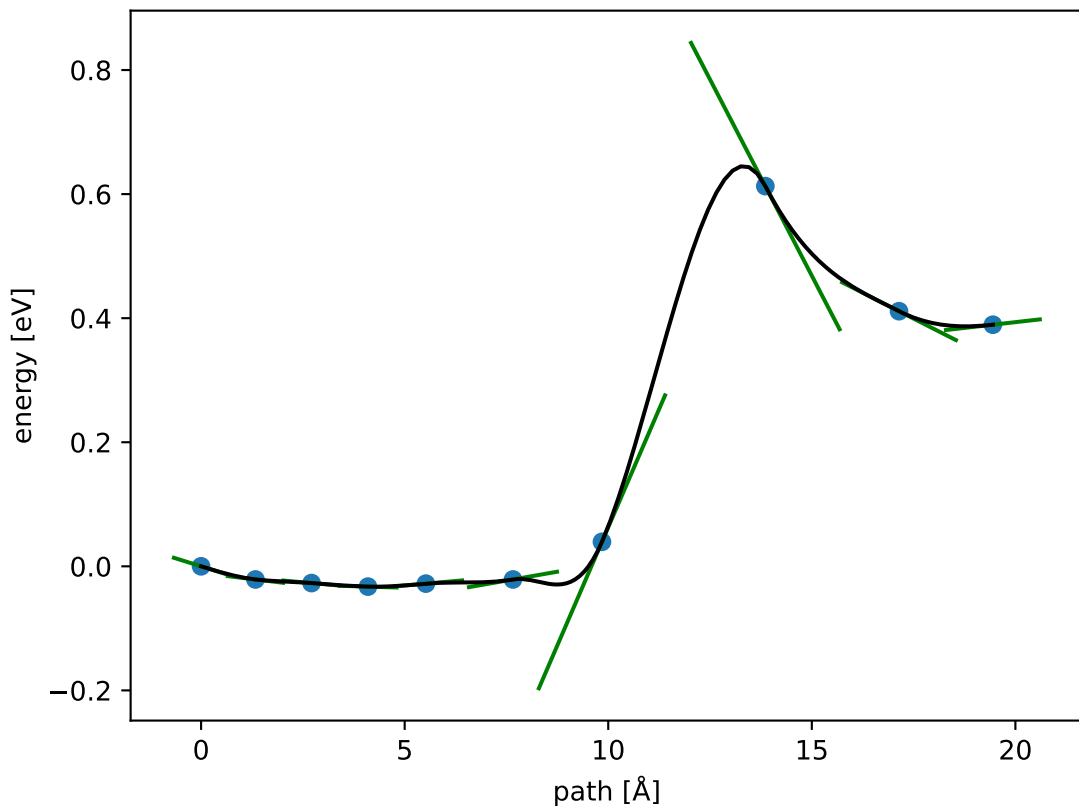
$$E_f \approx 0.615 \text{ eV}; E_r \approx 0.226 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



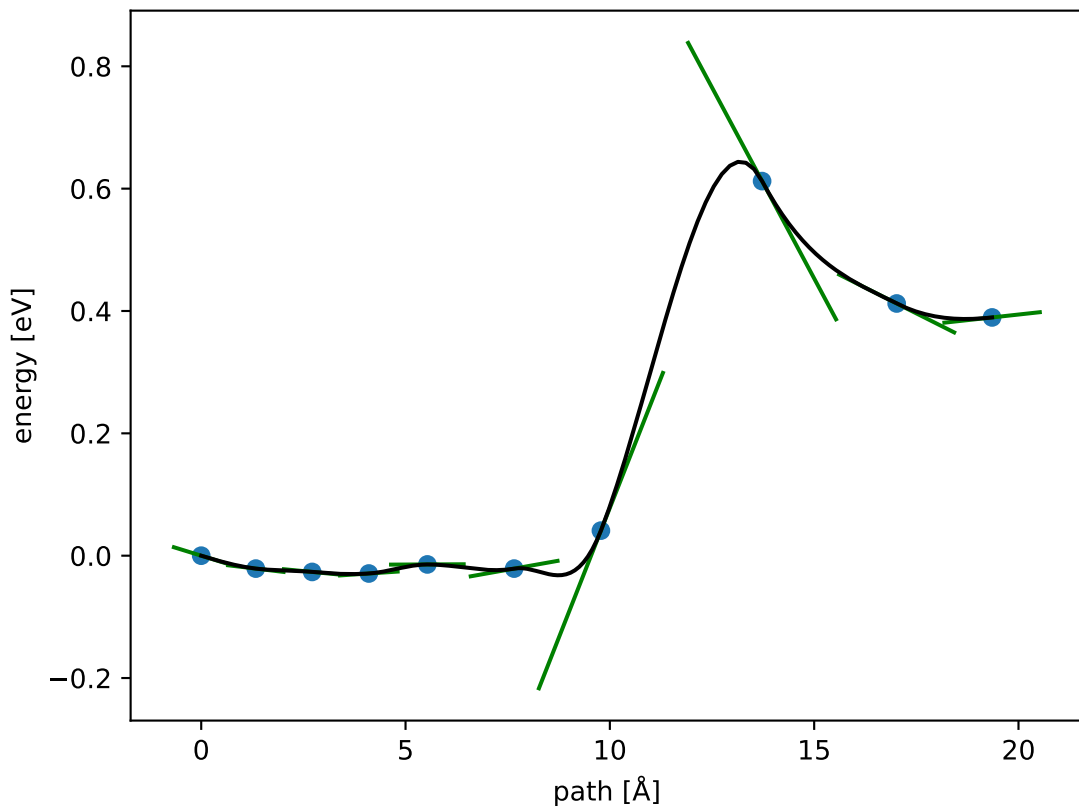
$$E_f \approx 0.614 \text{ eV}; E_r \approx 0.224 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



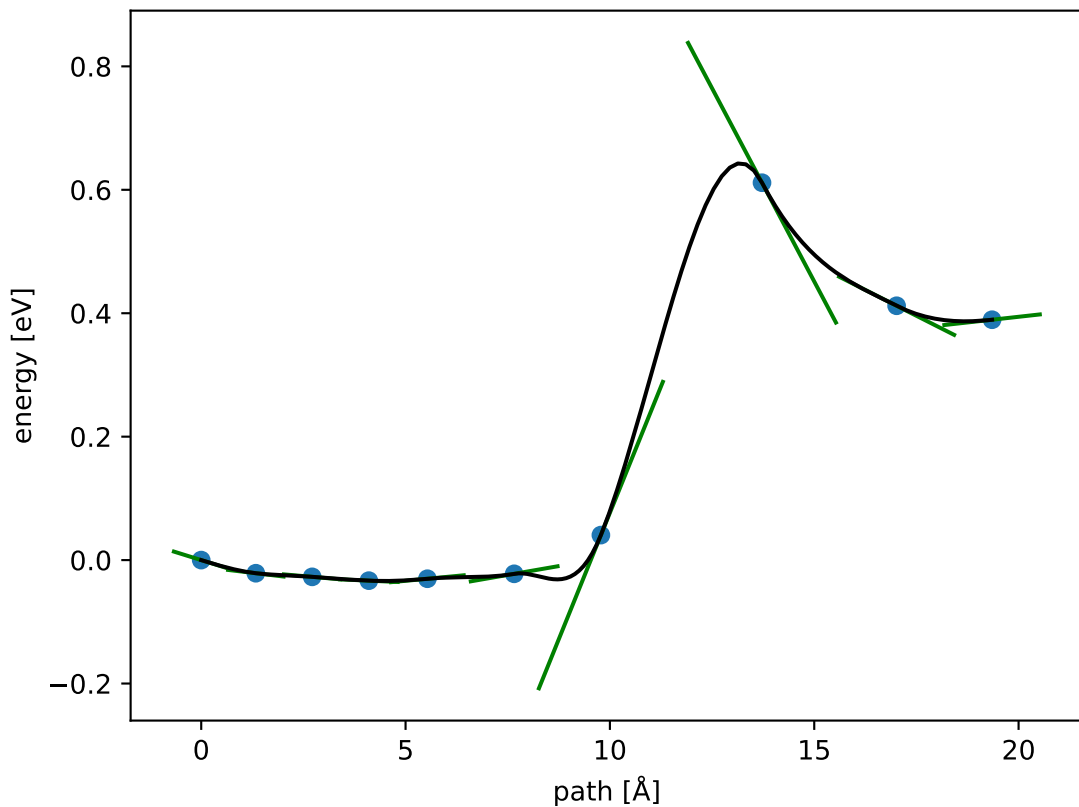
$$E_f \approx 0.613 \text{ eV}; E_r \approx 0.223 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



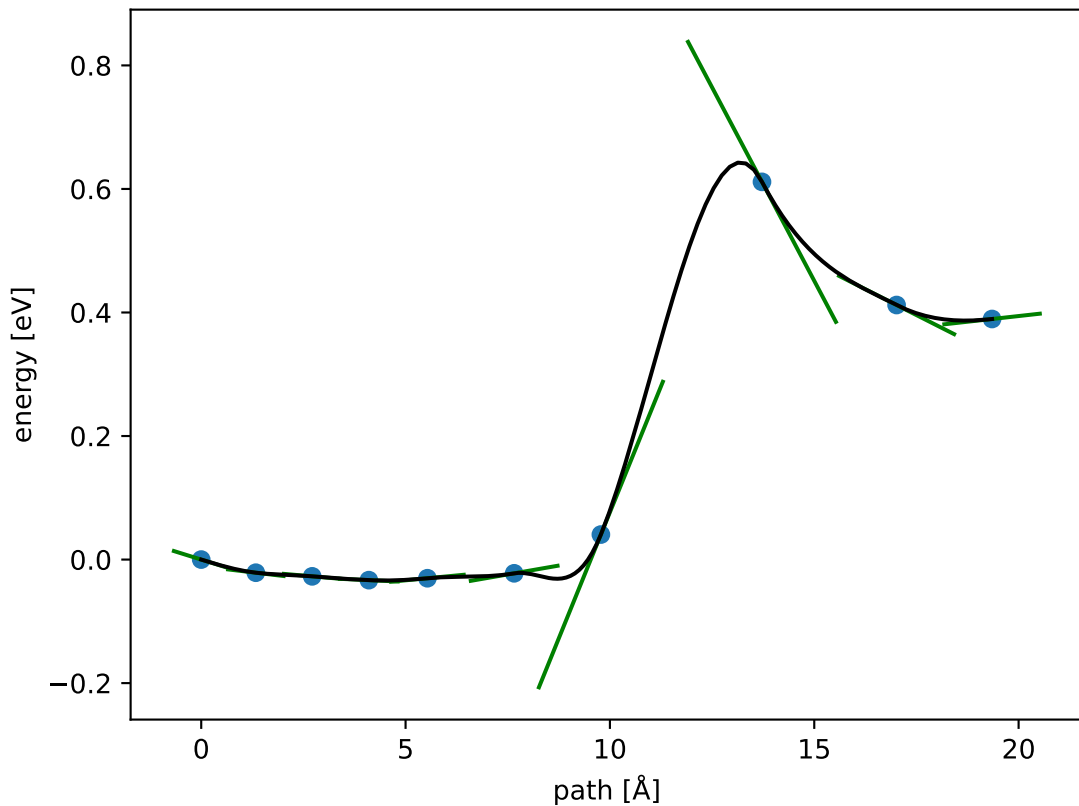
$$E_f \approx 0.612 \text{ eV}; E_r \approx 0.223 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



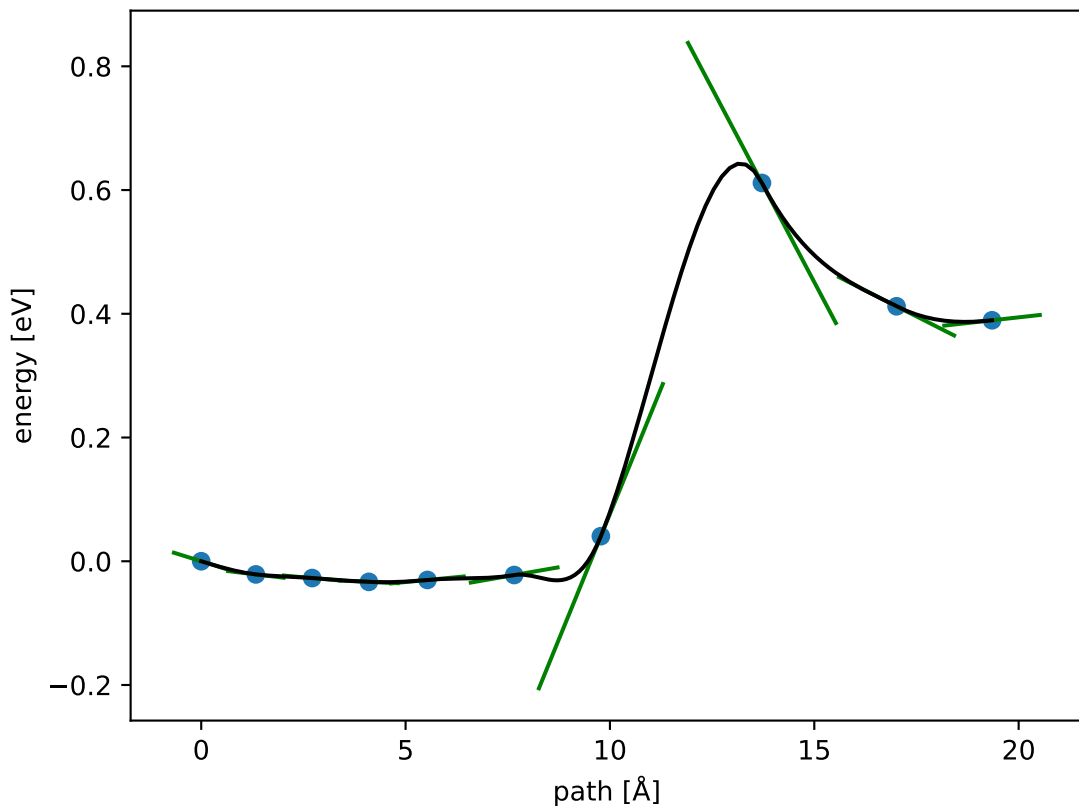
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



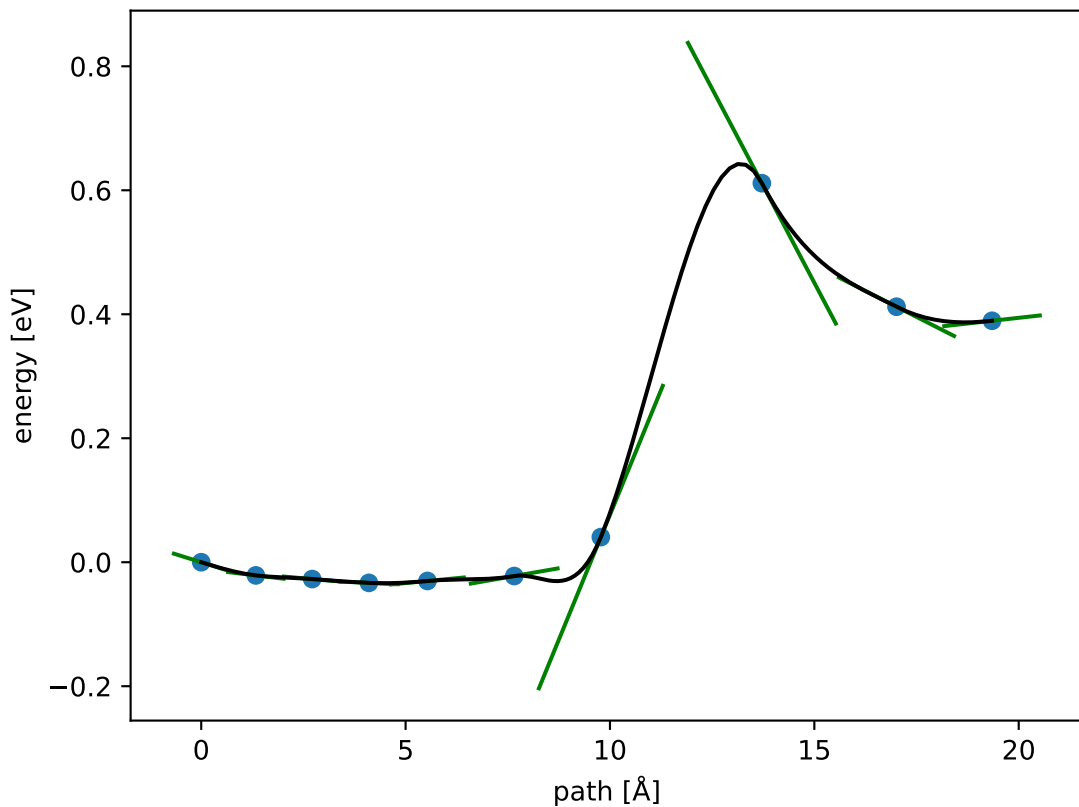
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



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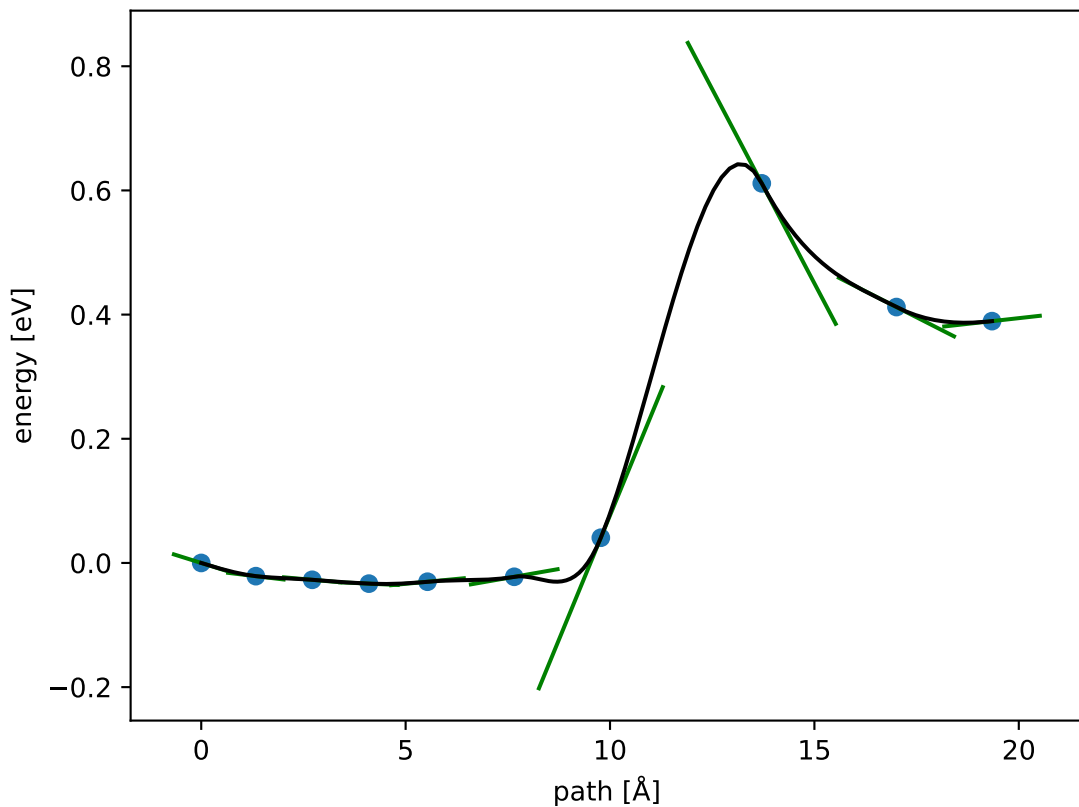


$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

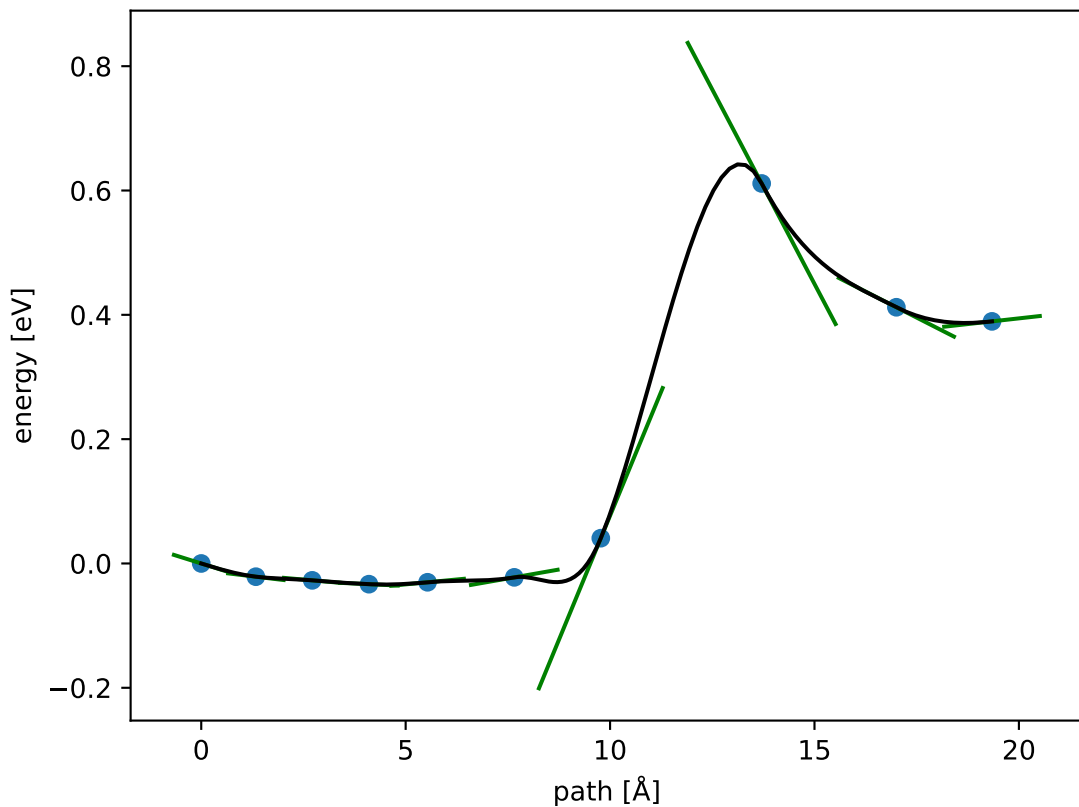




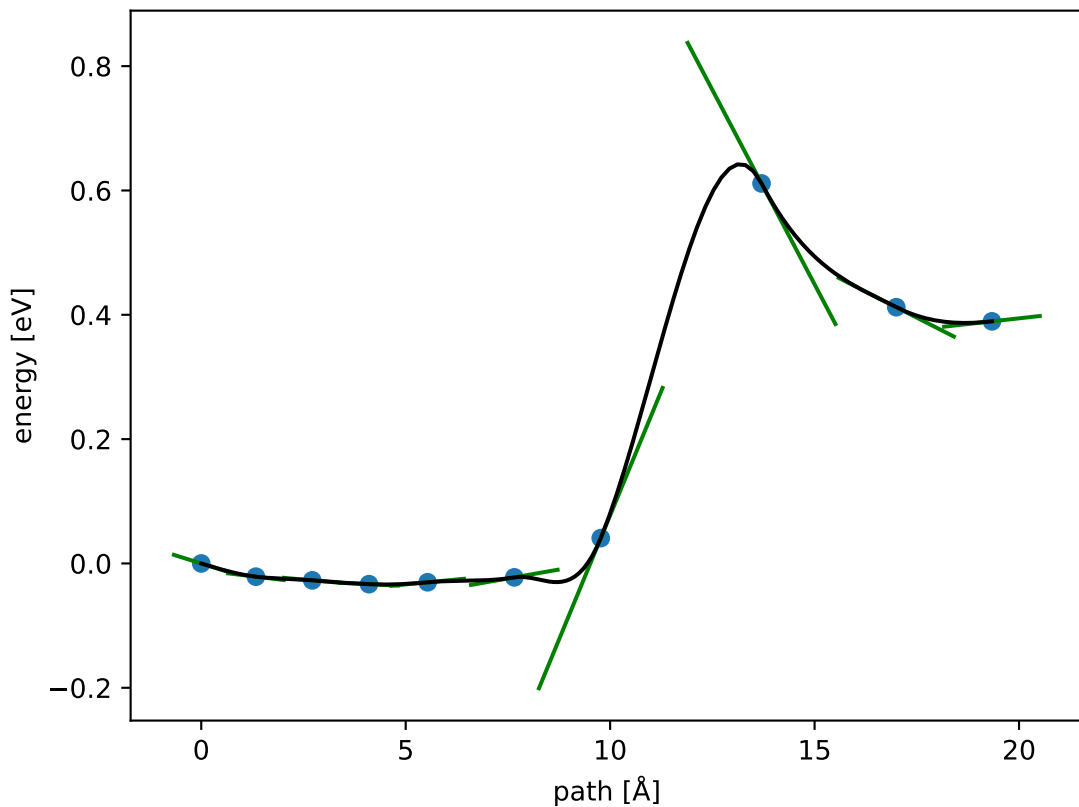
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



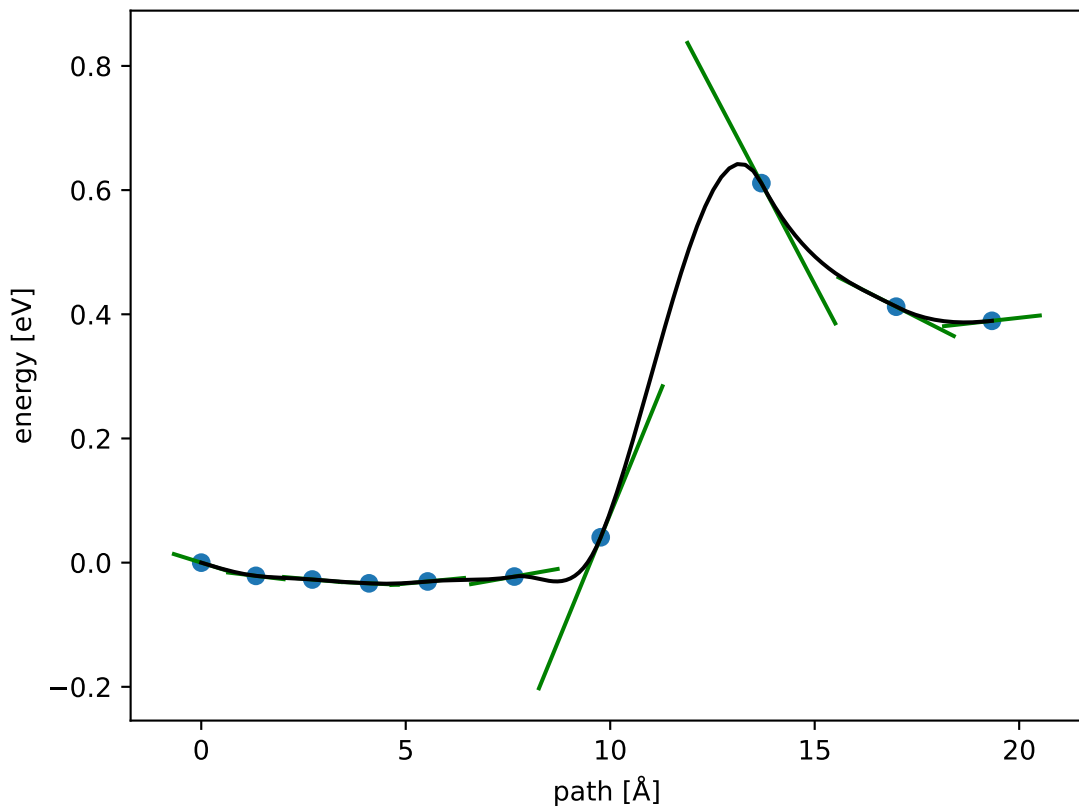
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



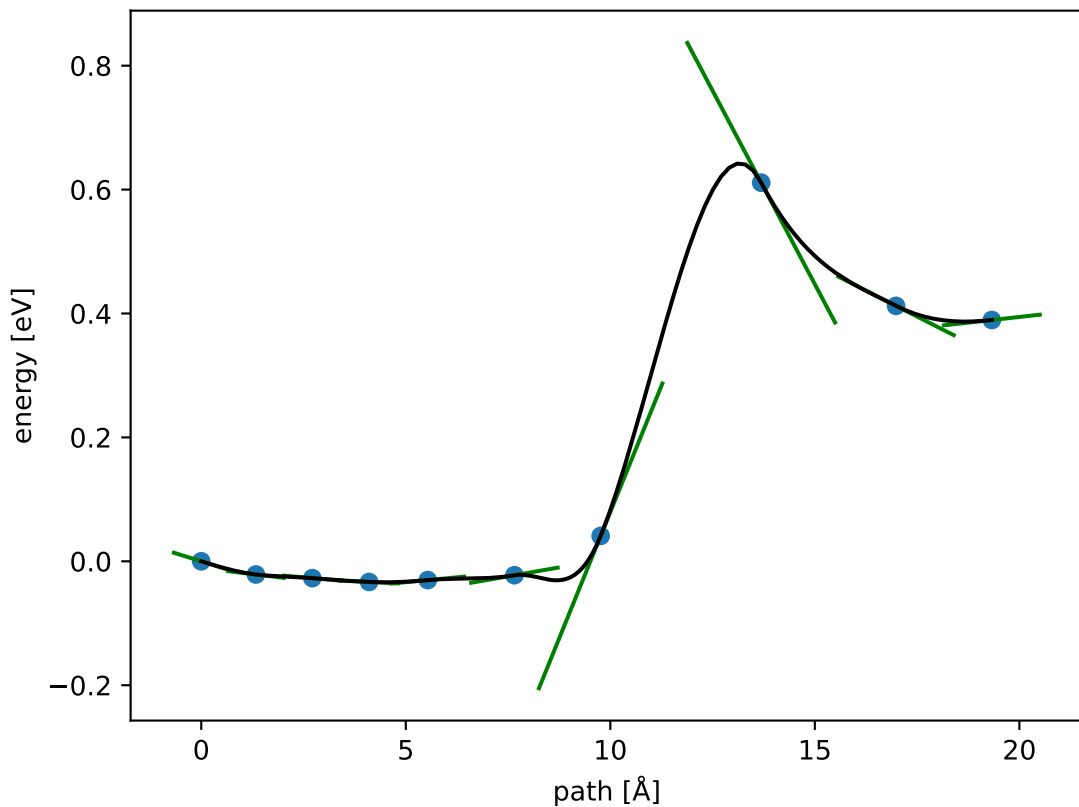
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



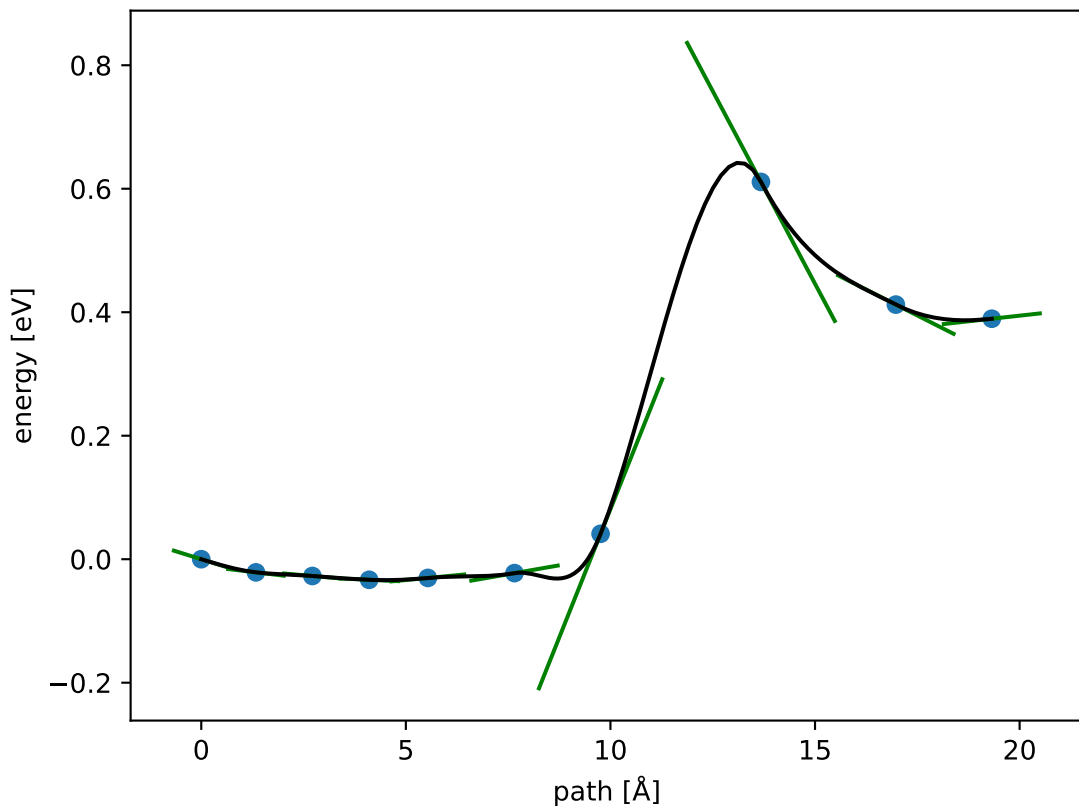
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



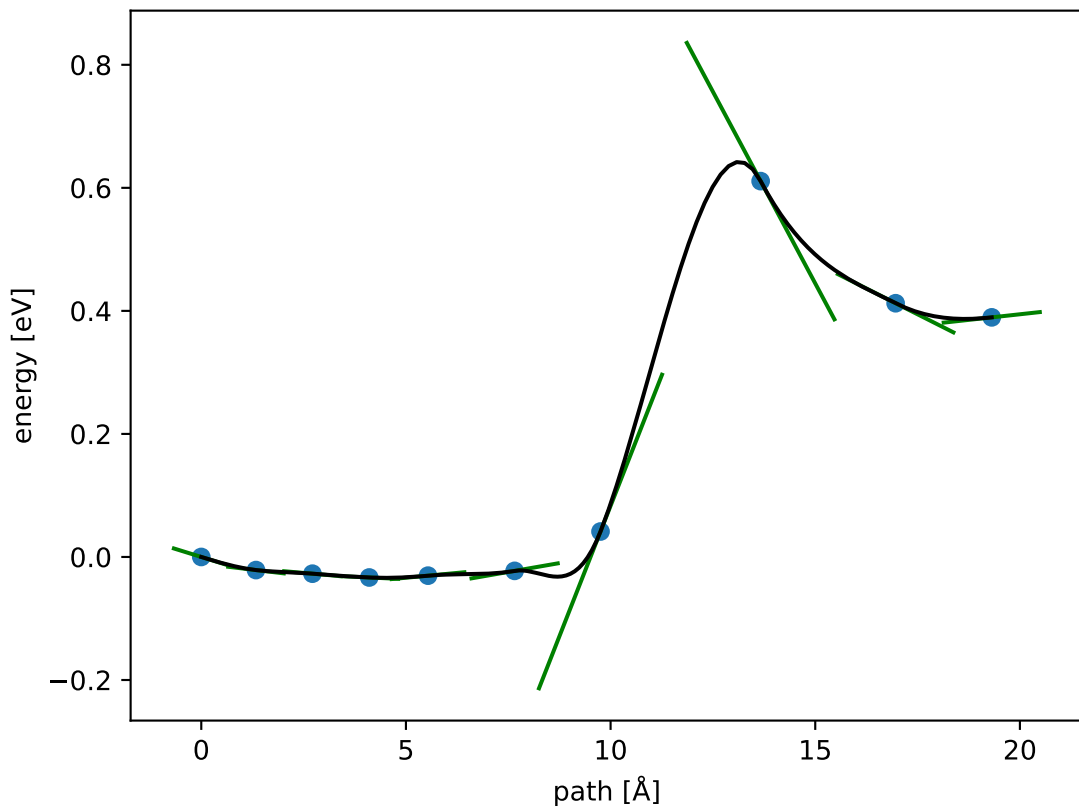
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



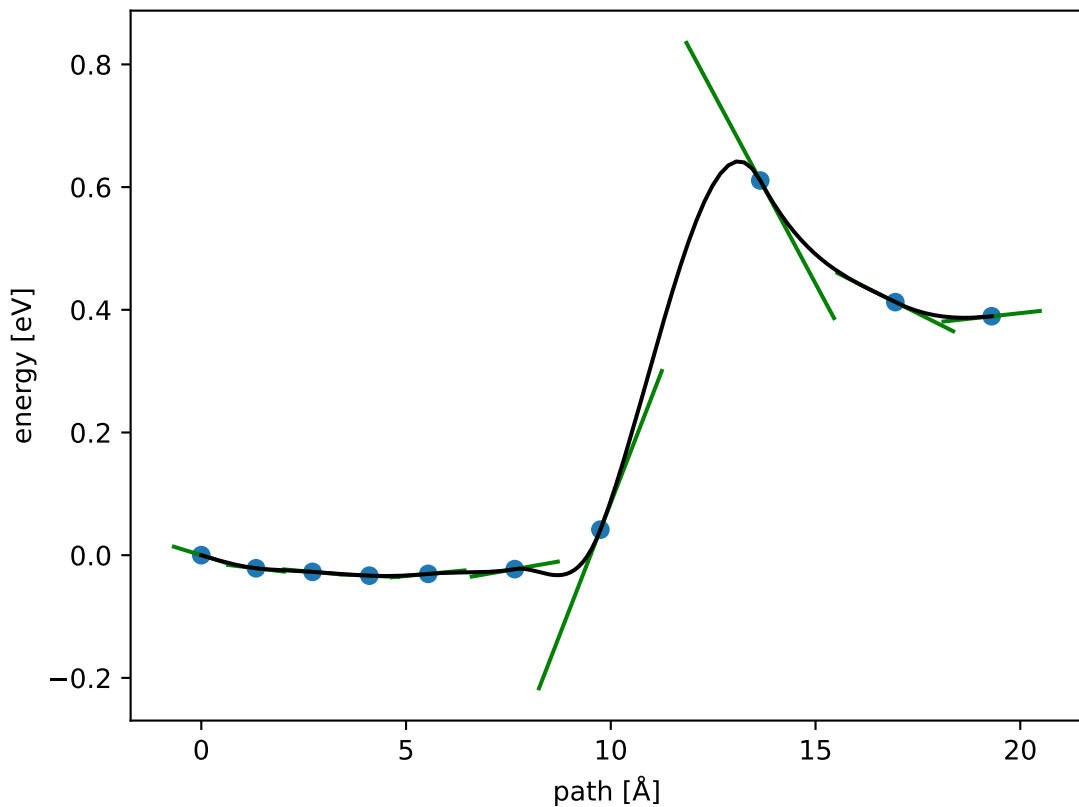
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.222 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.221 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

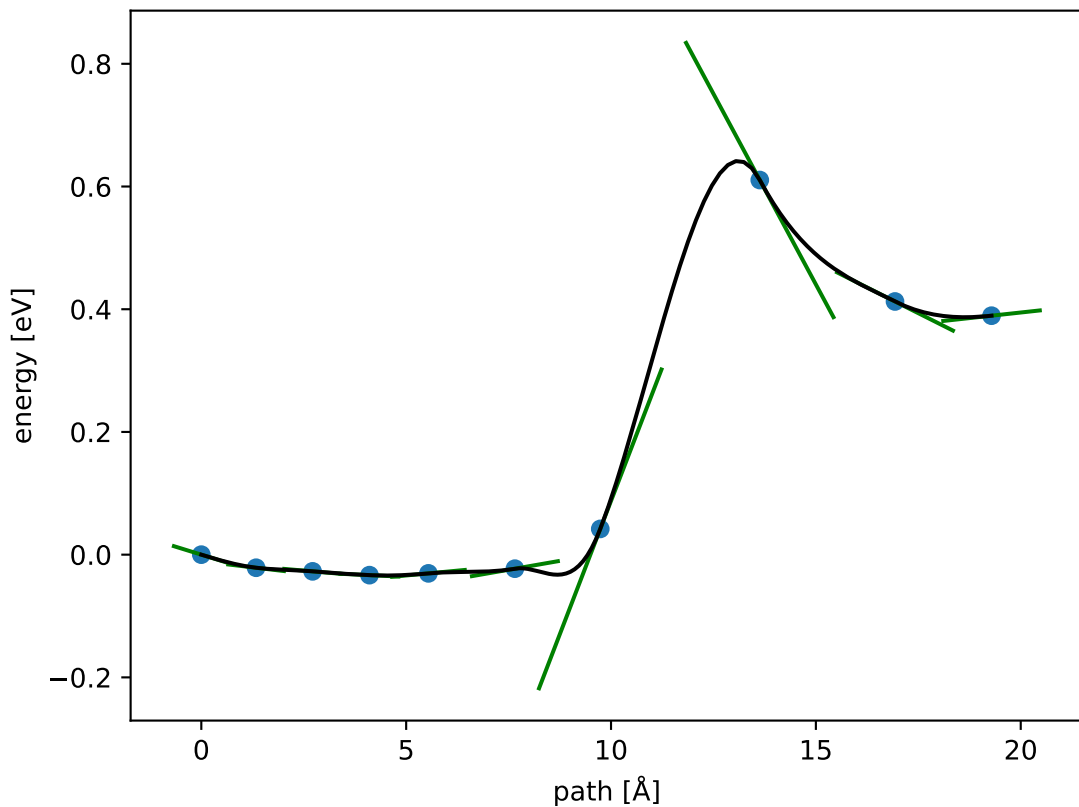


$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.221 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

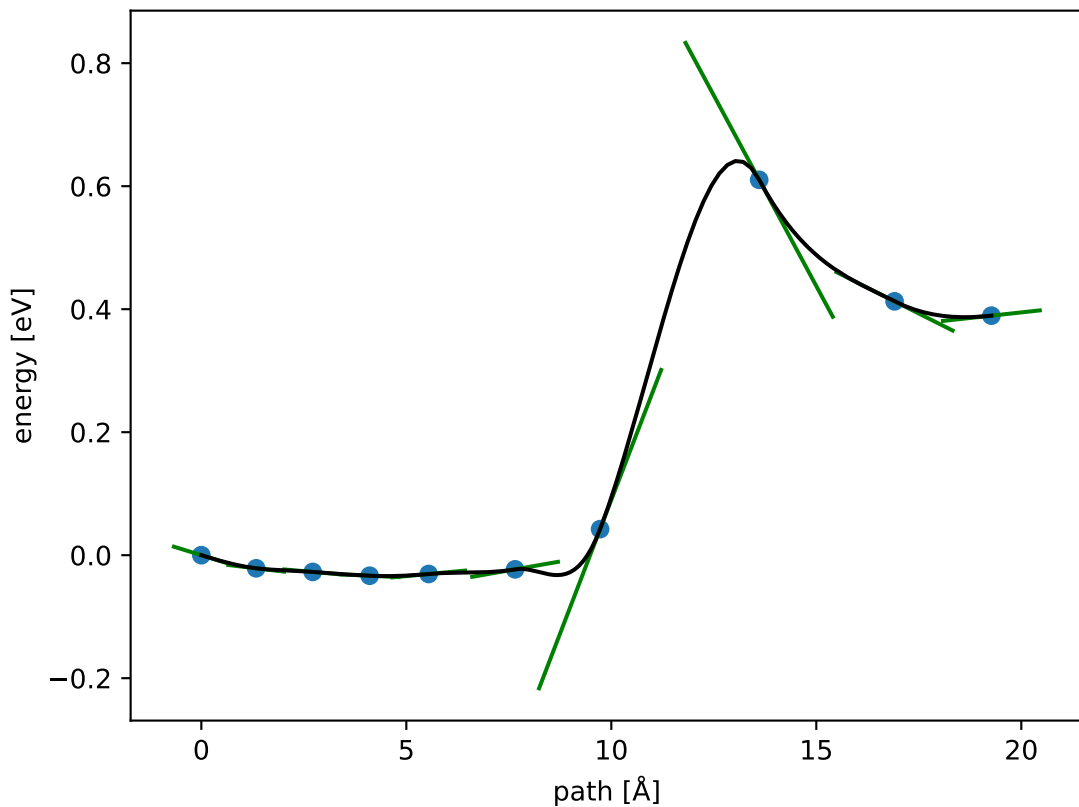




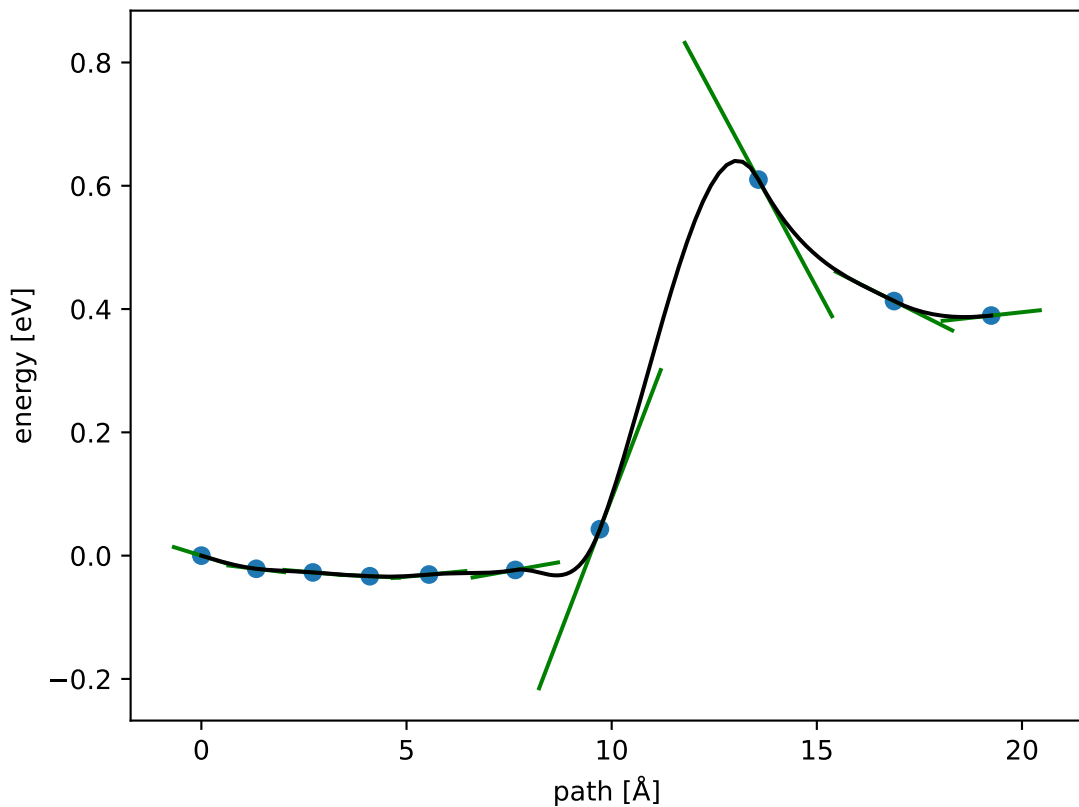
$$E_f \approx 0.611 \text{ eV}; E_r \approx 0.221 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



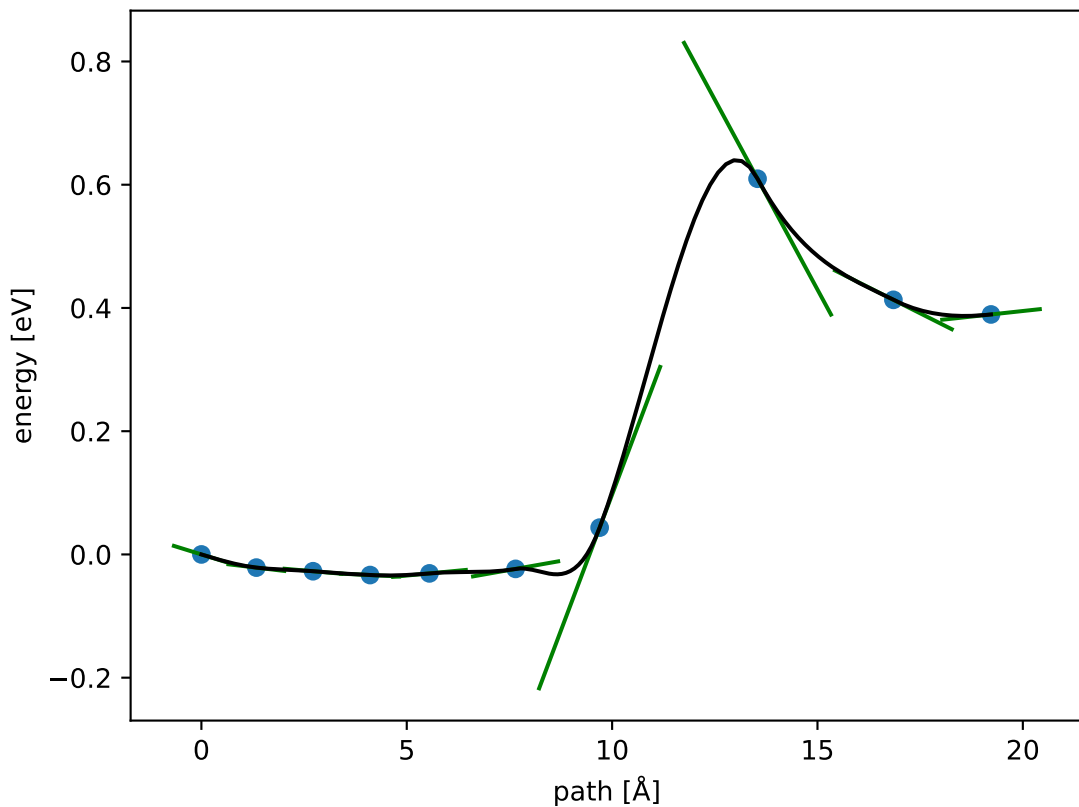
$$E_f \approx 0.610 \text{ eV}; E_r \approx 0.221 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



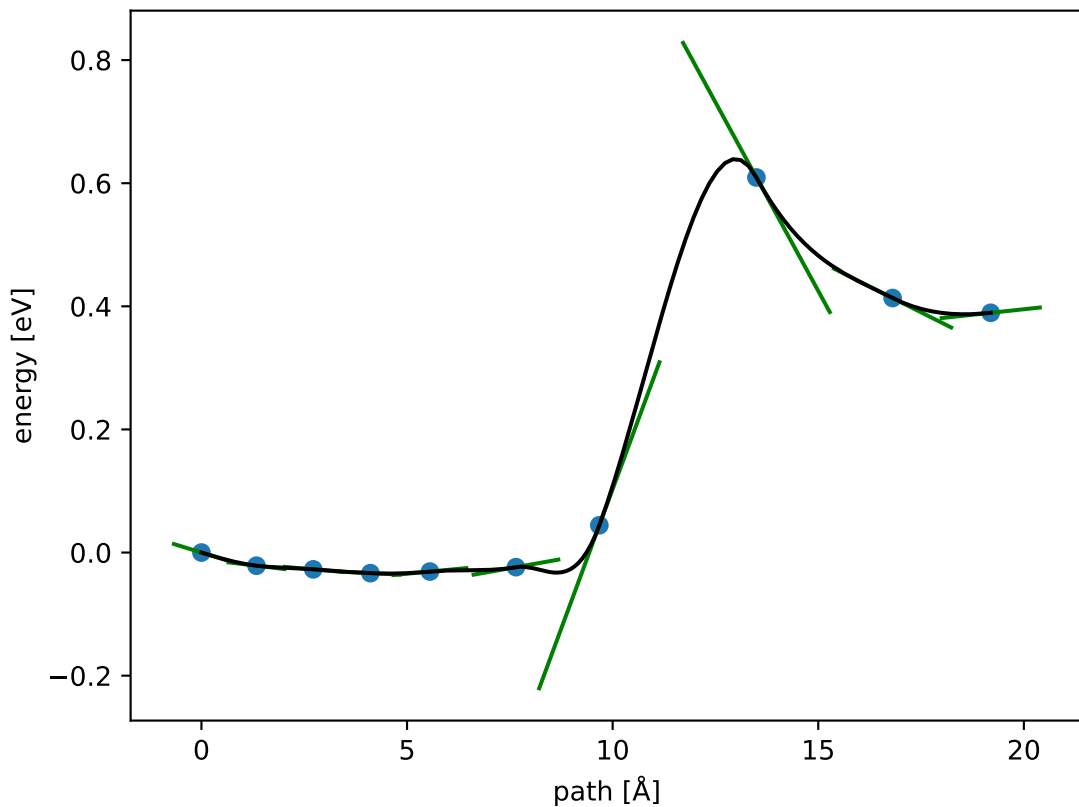
$$E_f \approx 0.610 \text{ eV}; E_r \approx 0.221 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



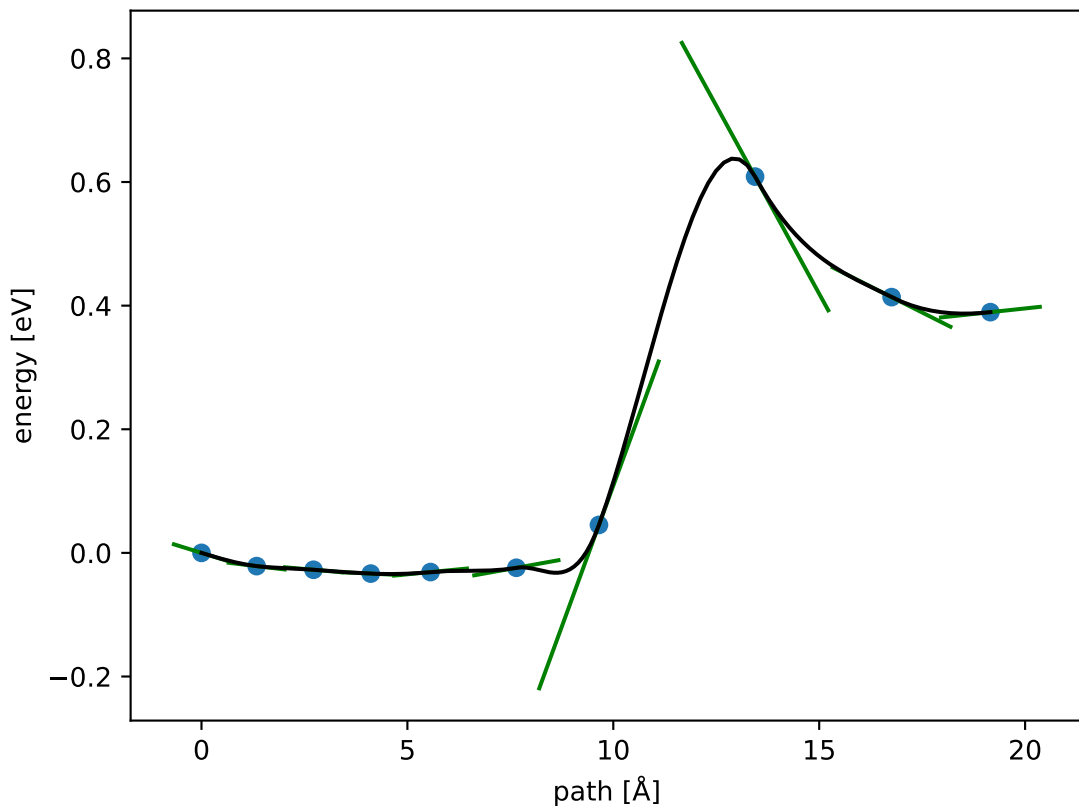
$$E_f \approx 0.610 \text{ eV}; E_r \approx 0.220 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



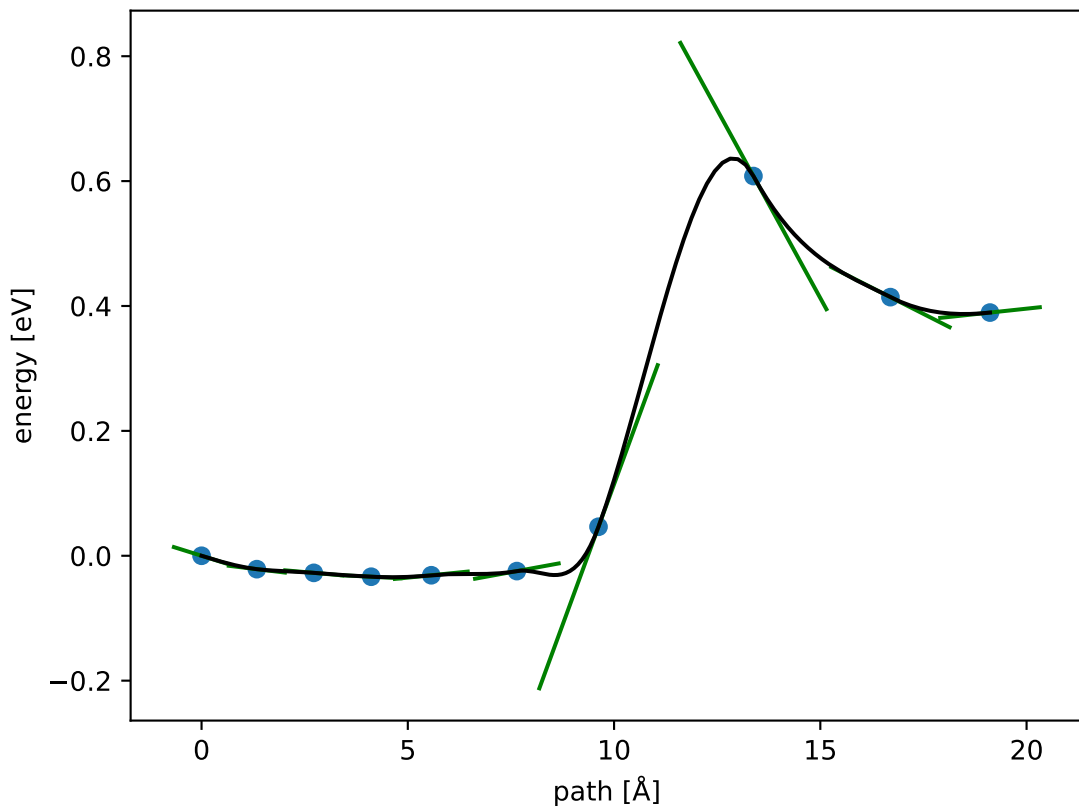
$$E_f \approx 0.609 \text{ eV}; E_r \approx 0.220 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



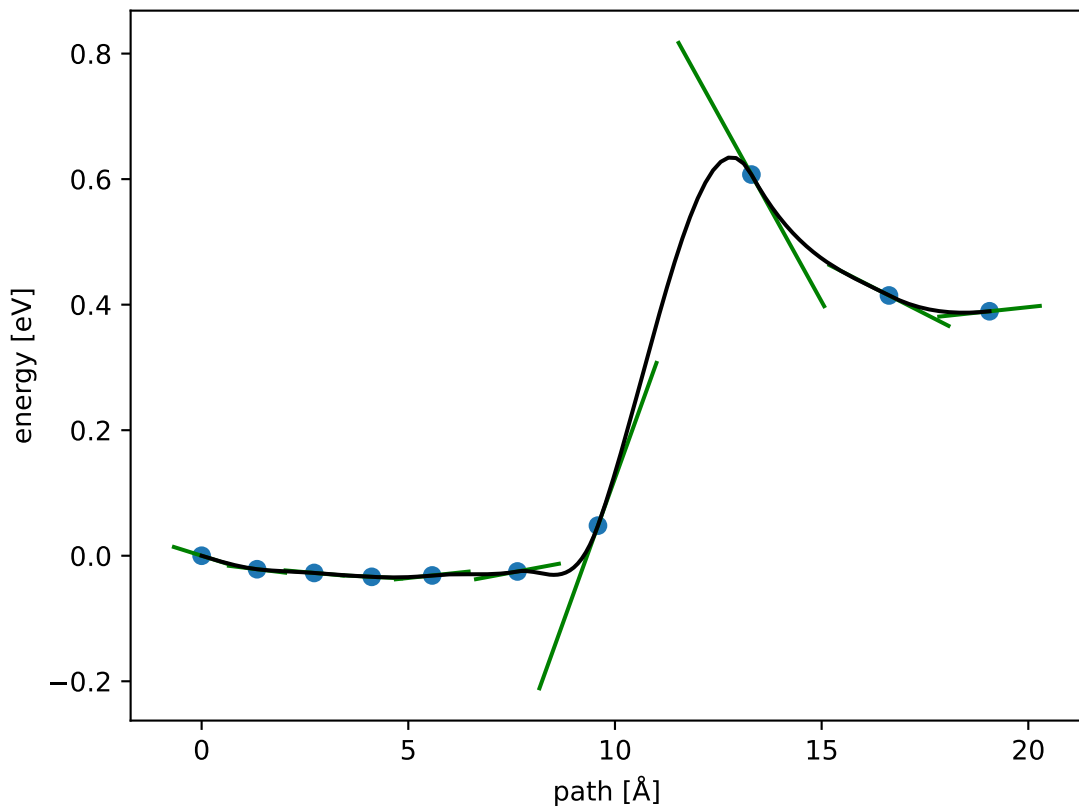
$$E_f \approx 0.609 \text{ eV}; E_r \approx 0.219 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



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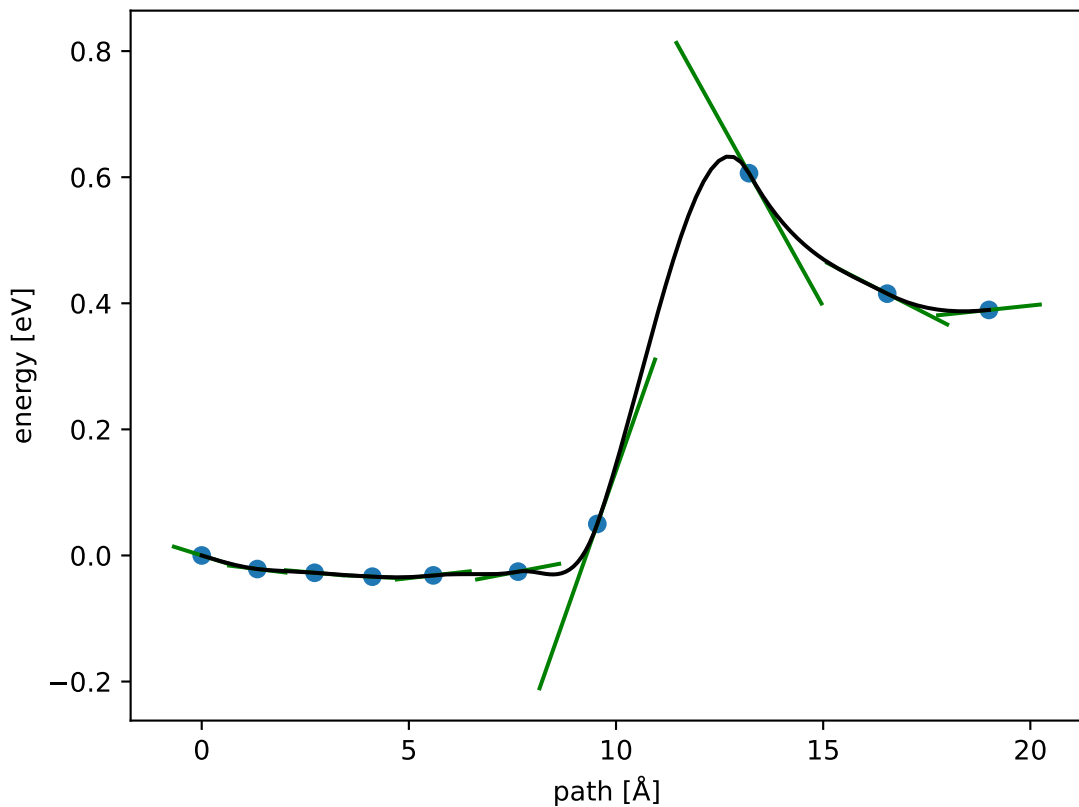


$$E_f \approx 0.607 \text{ eV}; E_r \approx 0.218 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

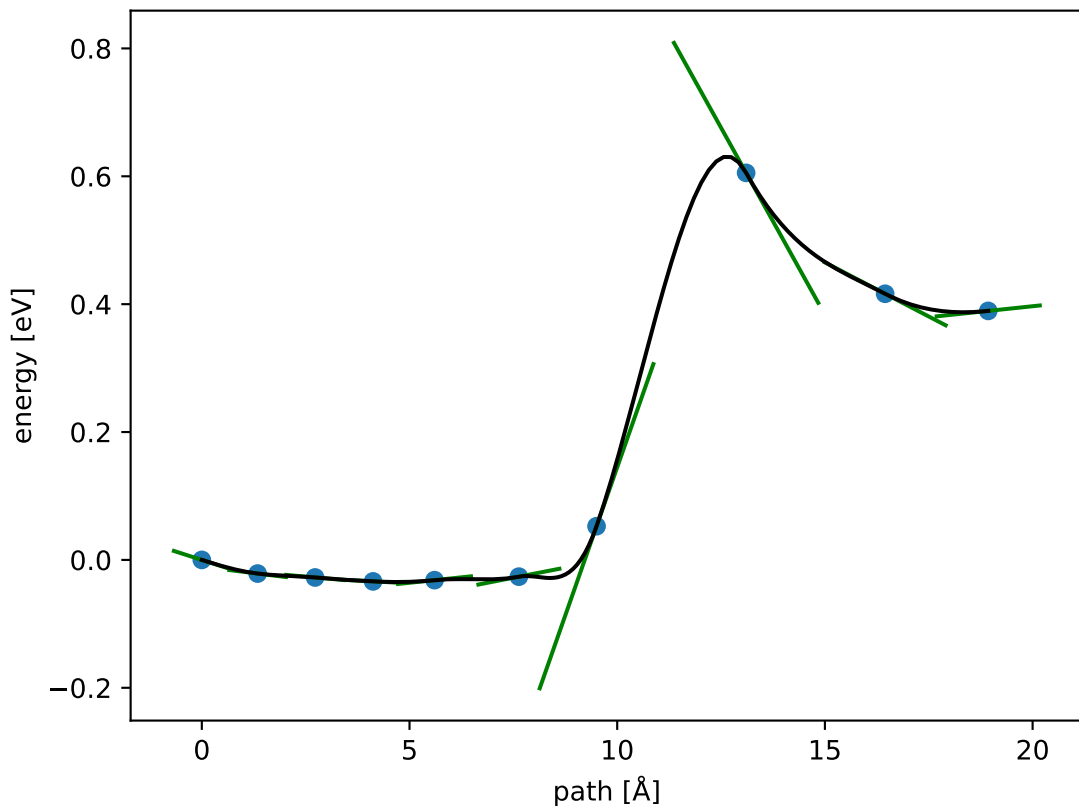




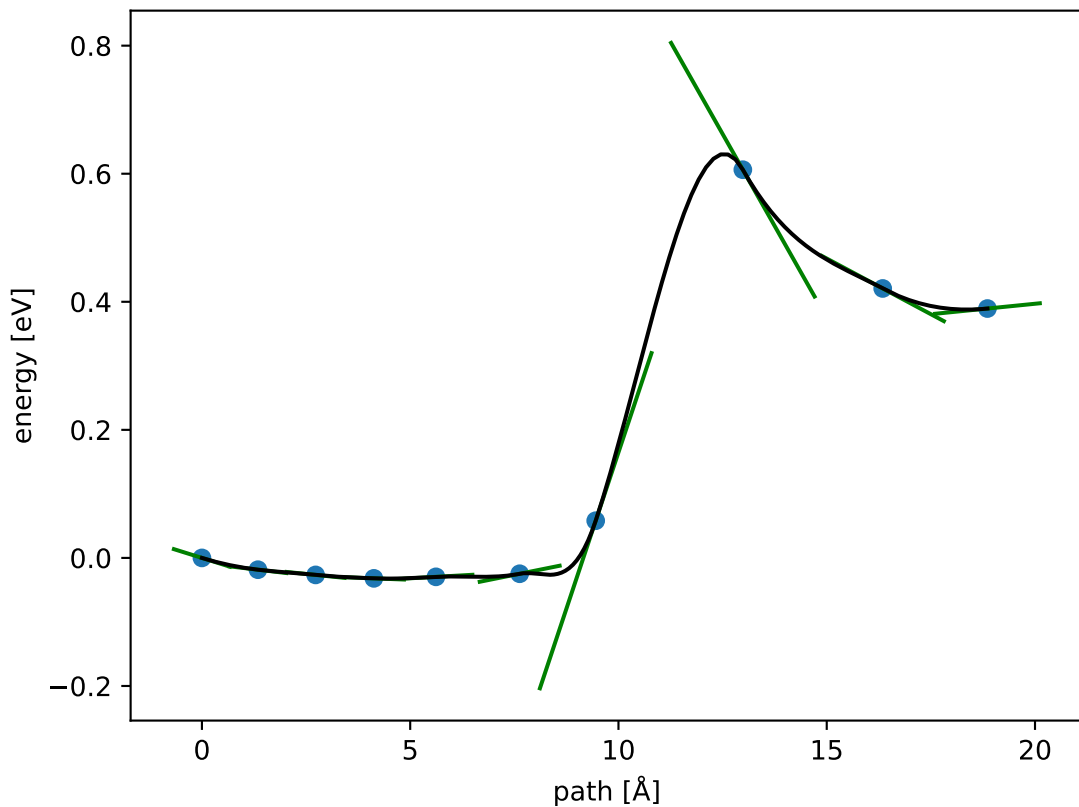
$$E_f \approx 0.606 \text{ eV}; E_r \approx 0.217 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



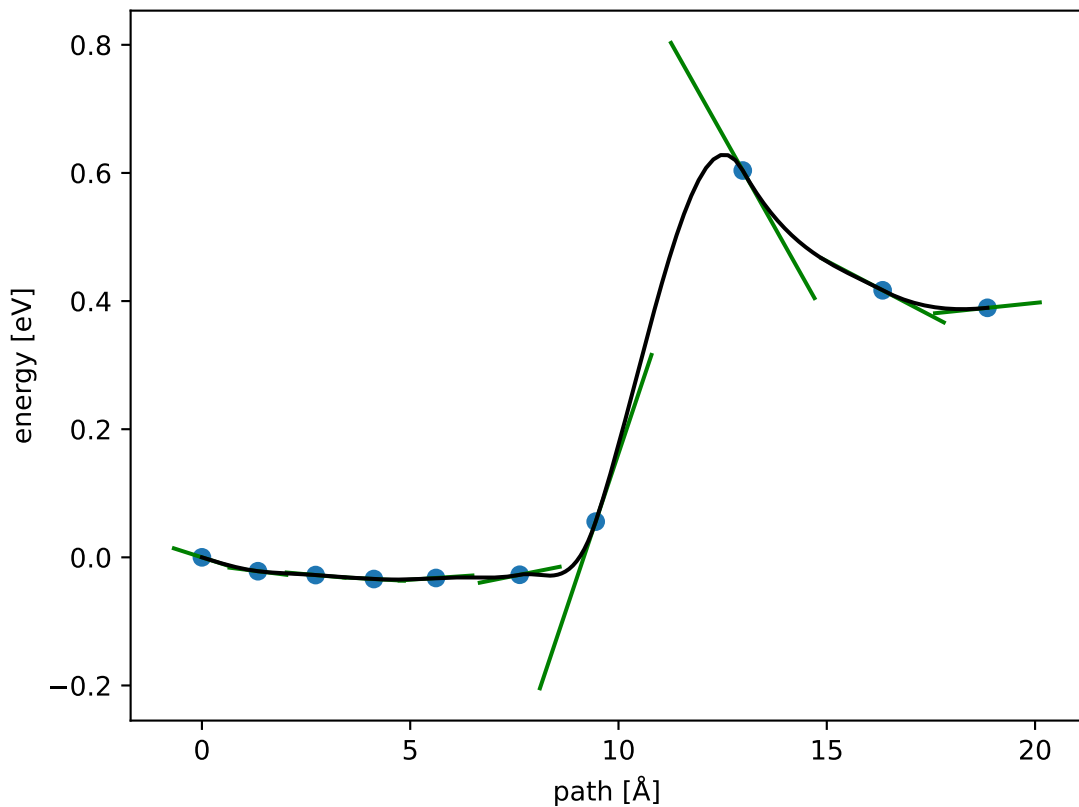
$$E_f \approx 0.605 \text{ eV}; E_r \approx 0.216 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



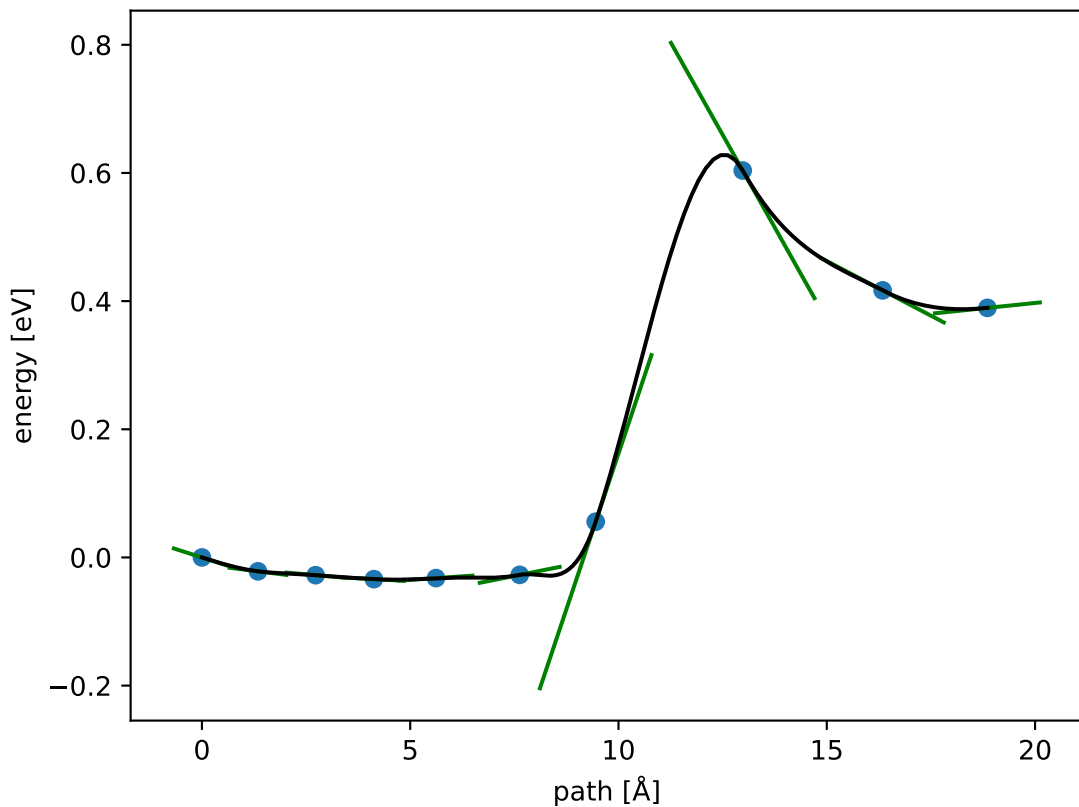
$$E_f \approx 0.606 \text{ eV}; E_r \approx 0.217 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



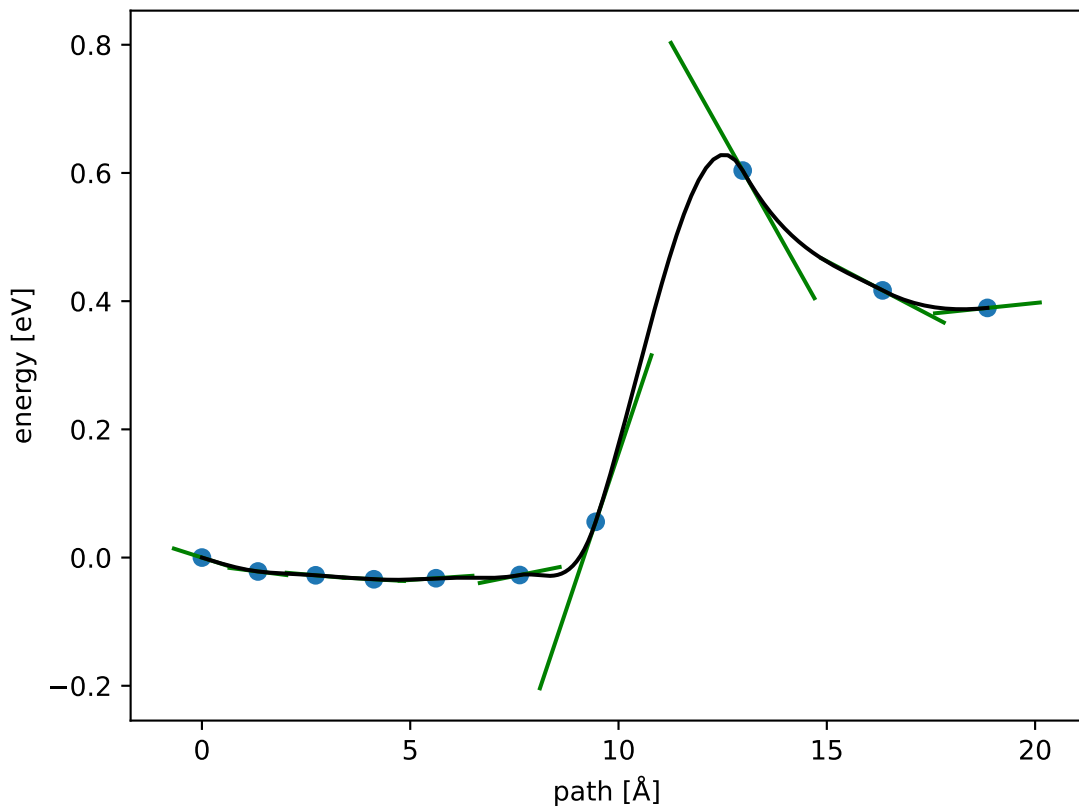
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



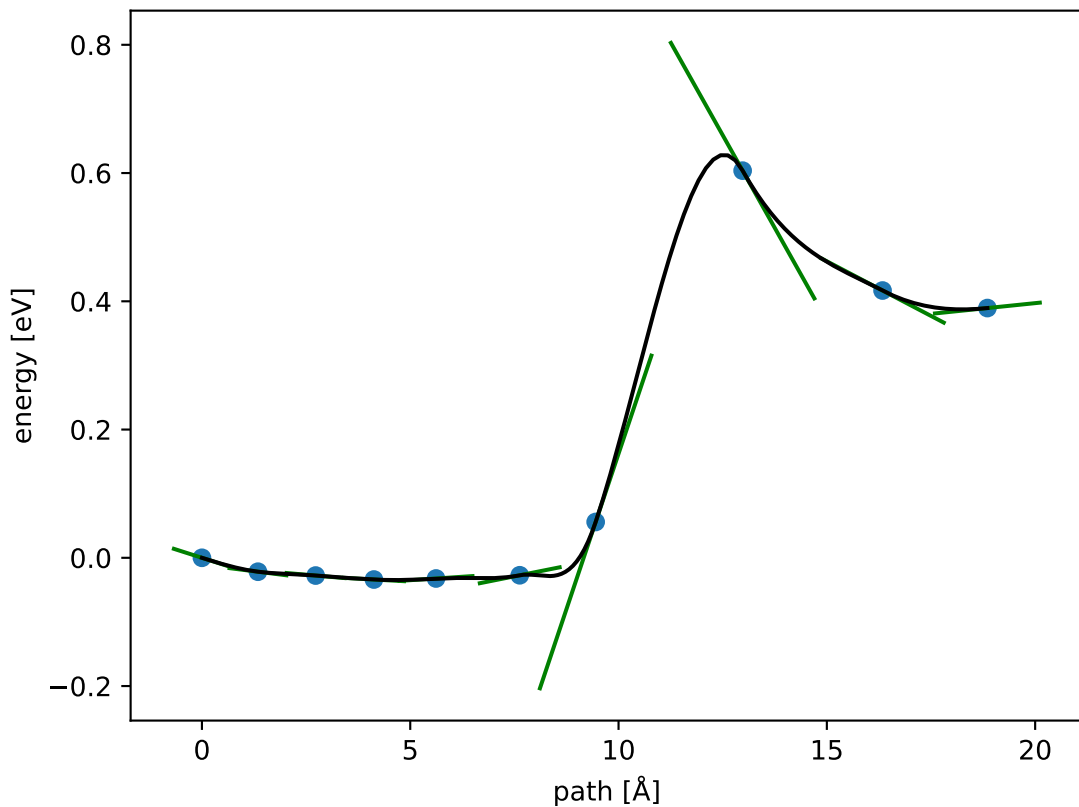
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



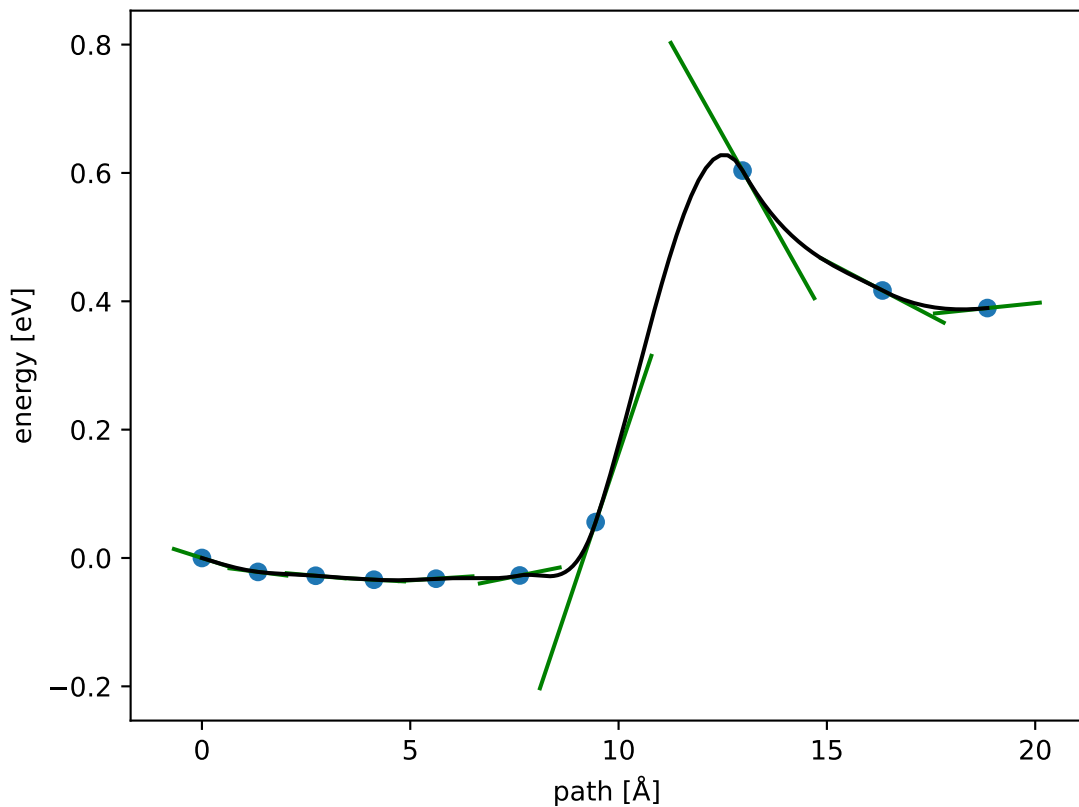
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



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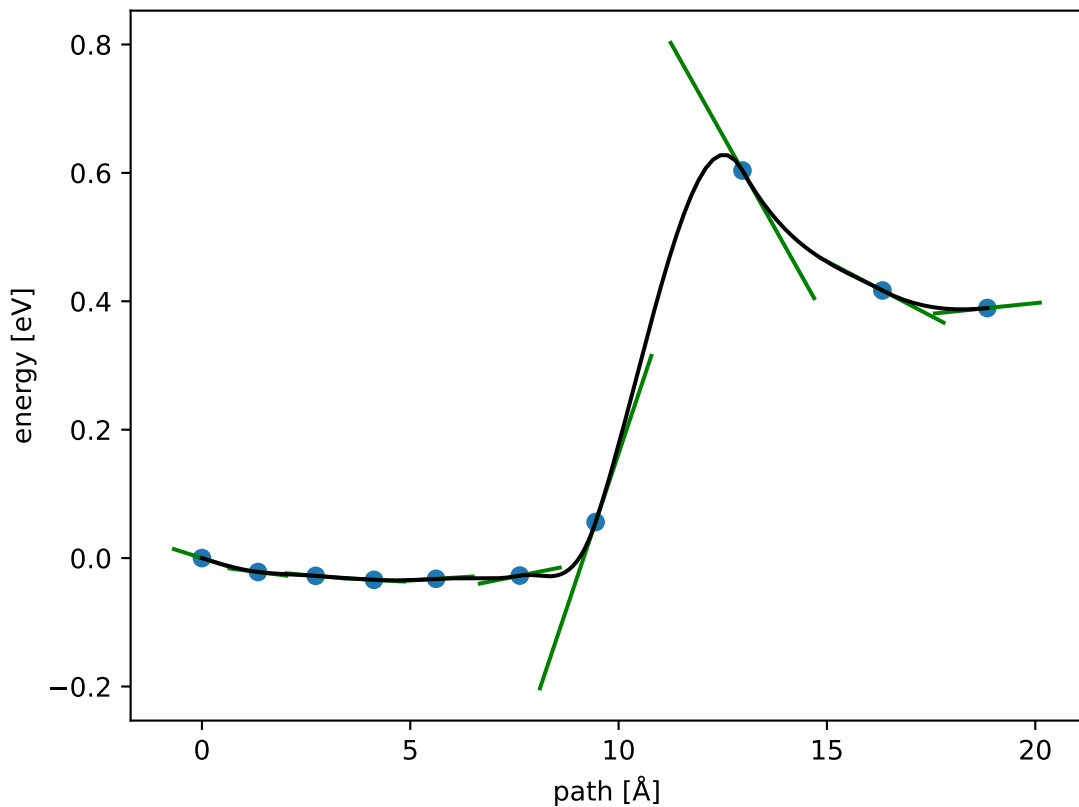


$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

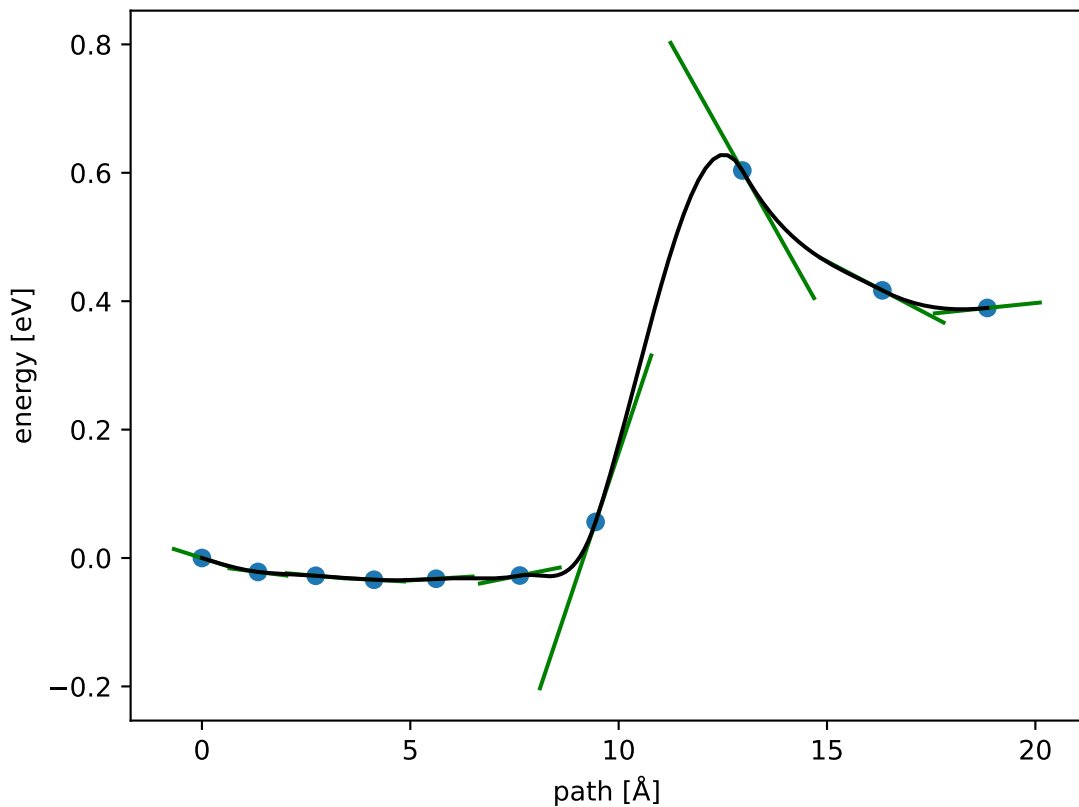




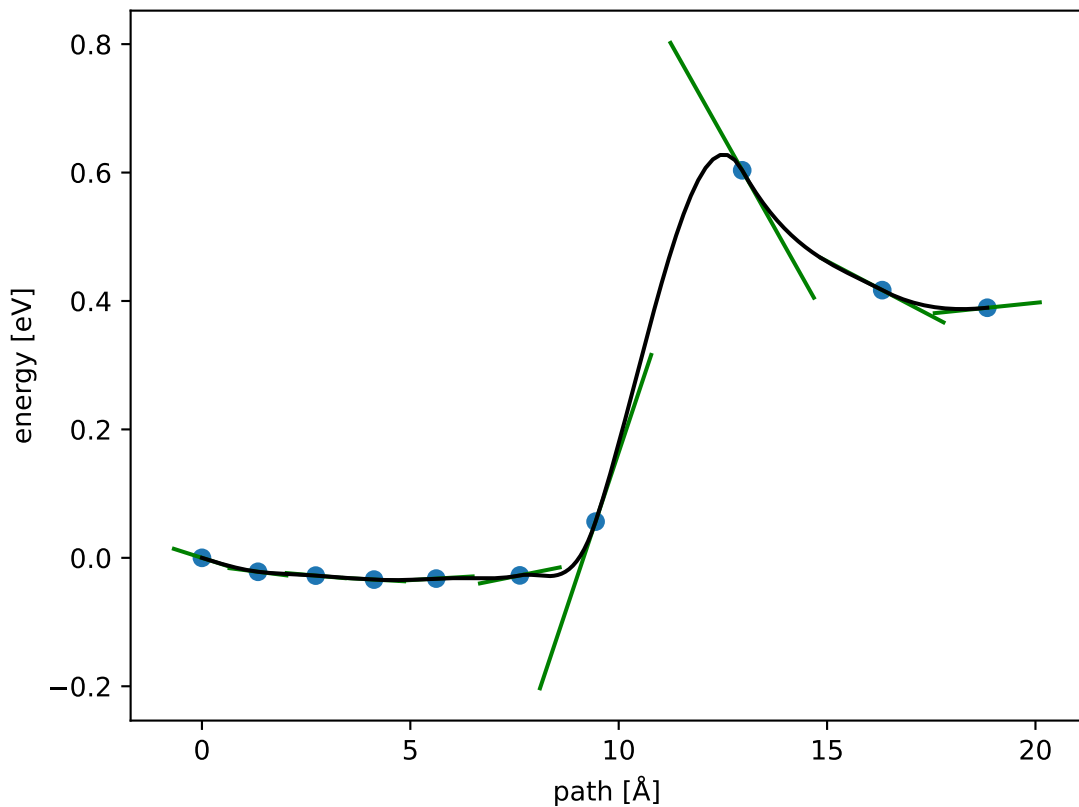
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



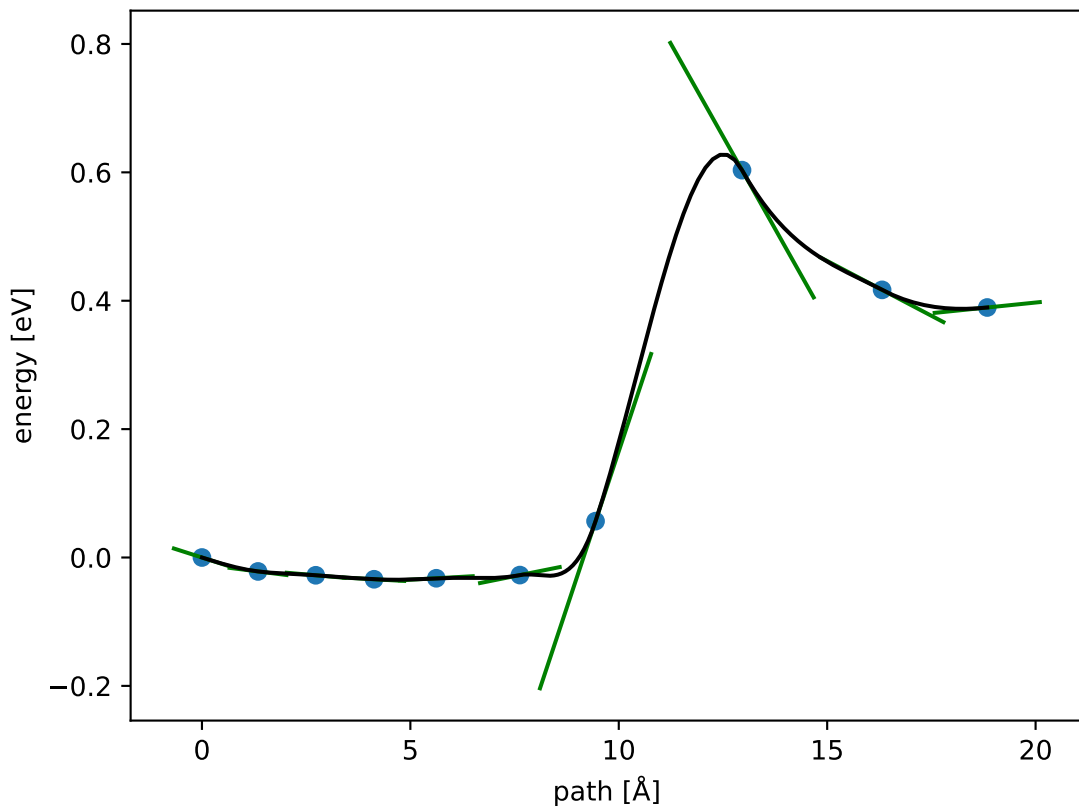
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



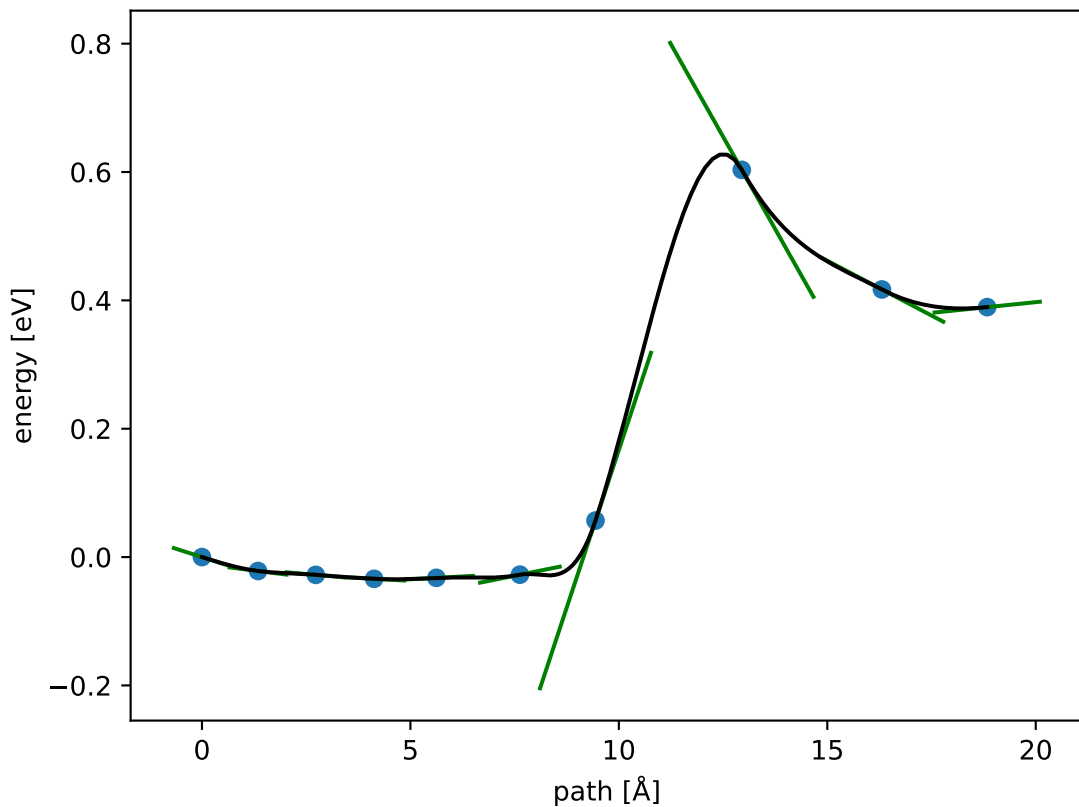
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



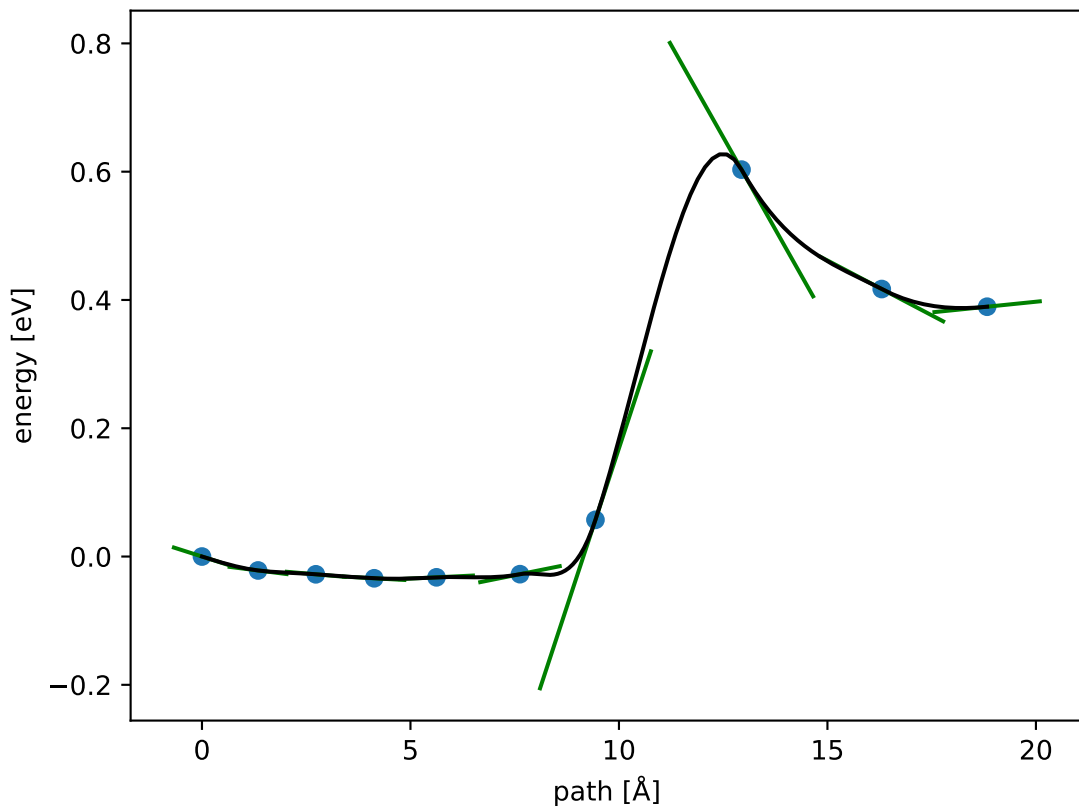
$$E_f \approx 0.603 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



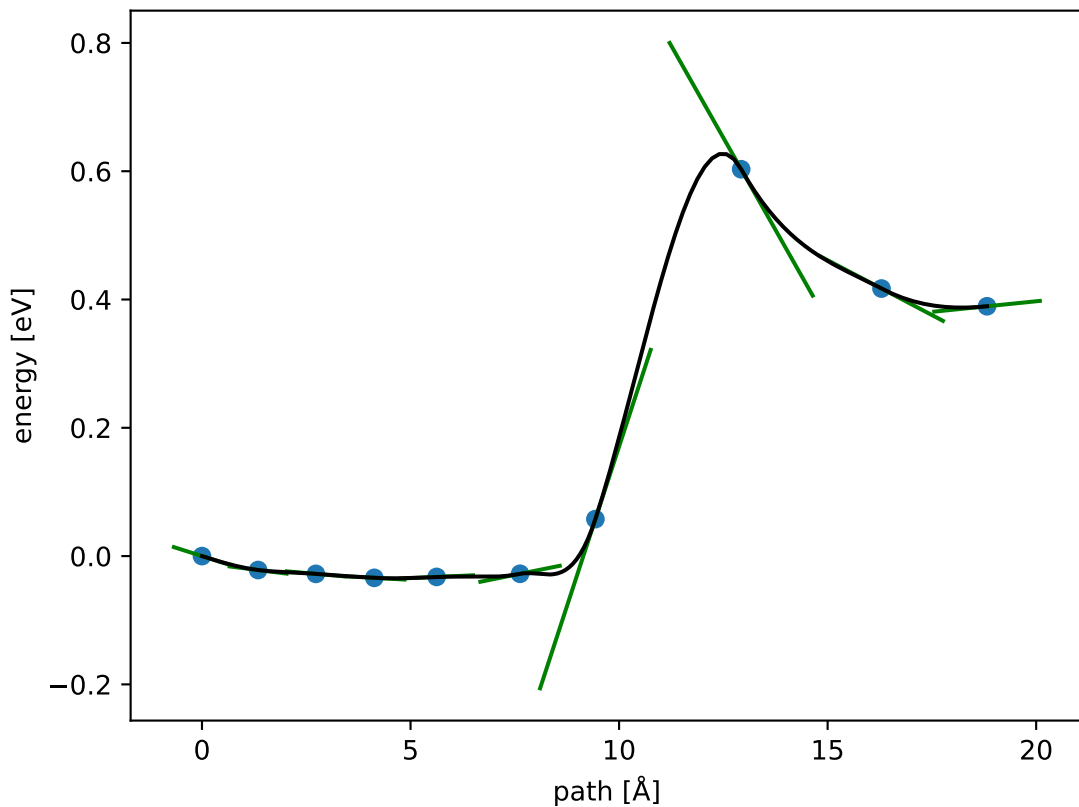
$$E_f \approx 0.603 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



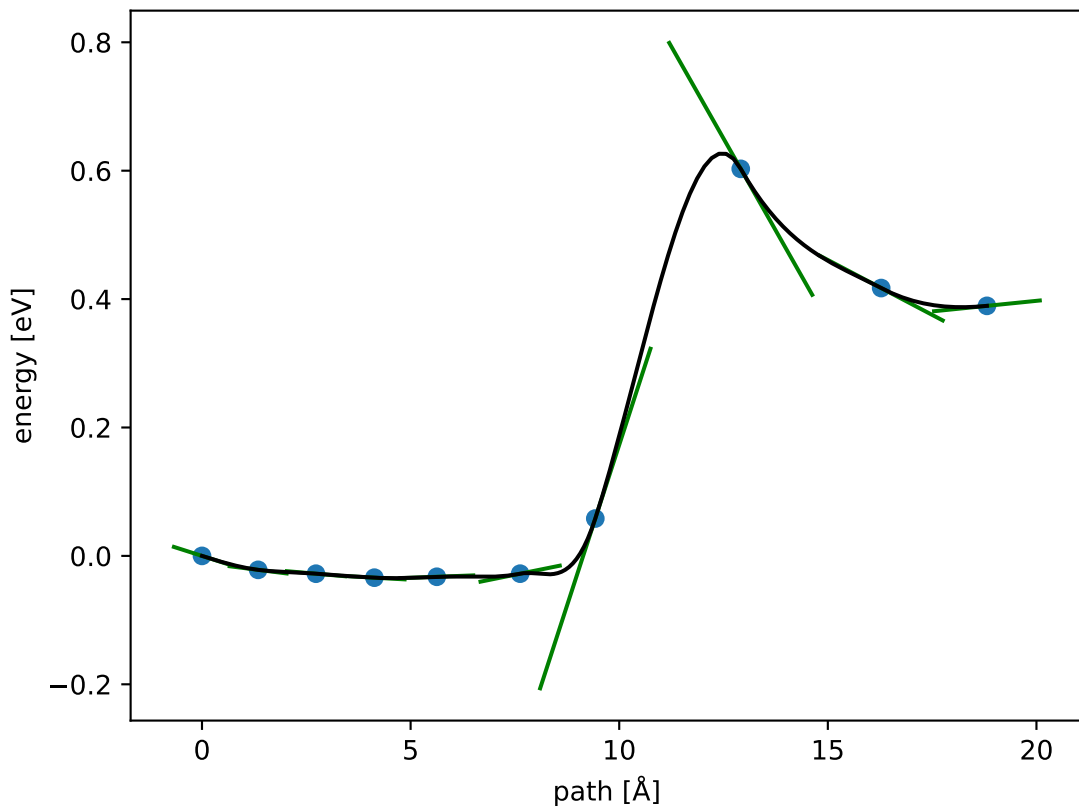
$$E_f \approx 0.603 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



$$E_f \approx 0.603 \text{ eV}; E_r \approx 0.214 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

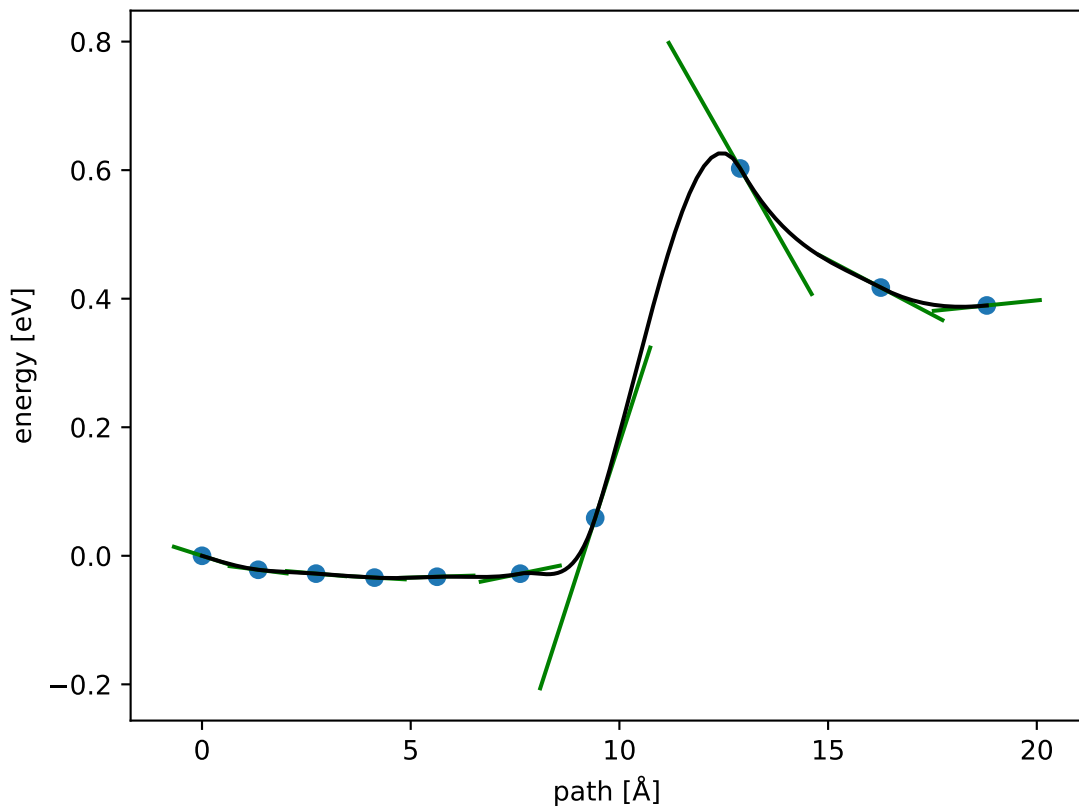


$$E_f \approx 0.603 \text{ eV}; E_r \approx 0.213 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

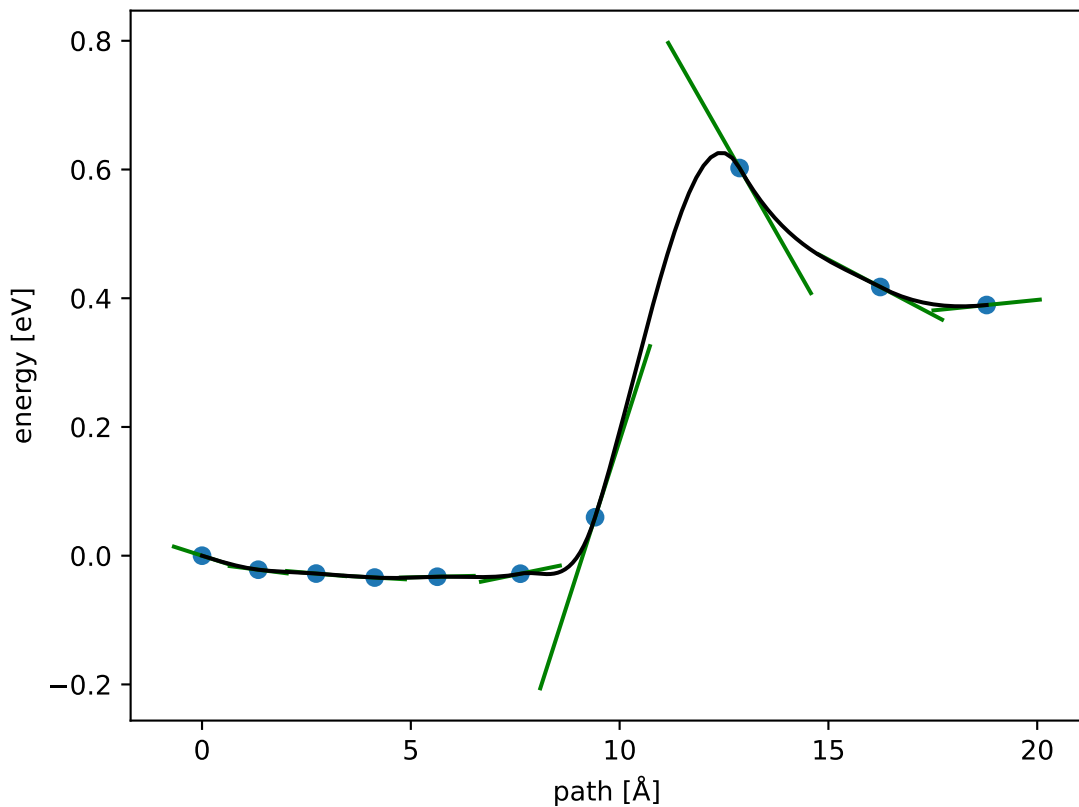




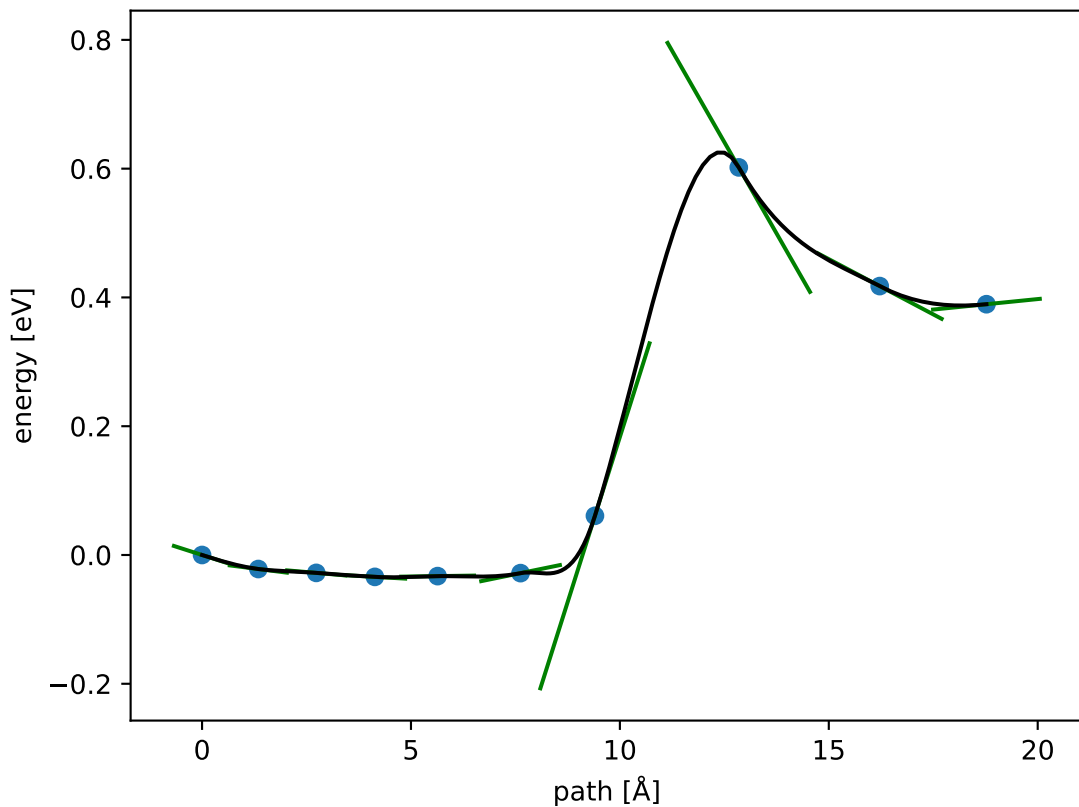
$$E_f \approx 0.603 \text{ eV}; E_r \approx 0.213 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



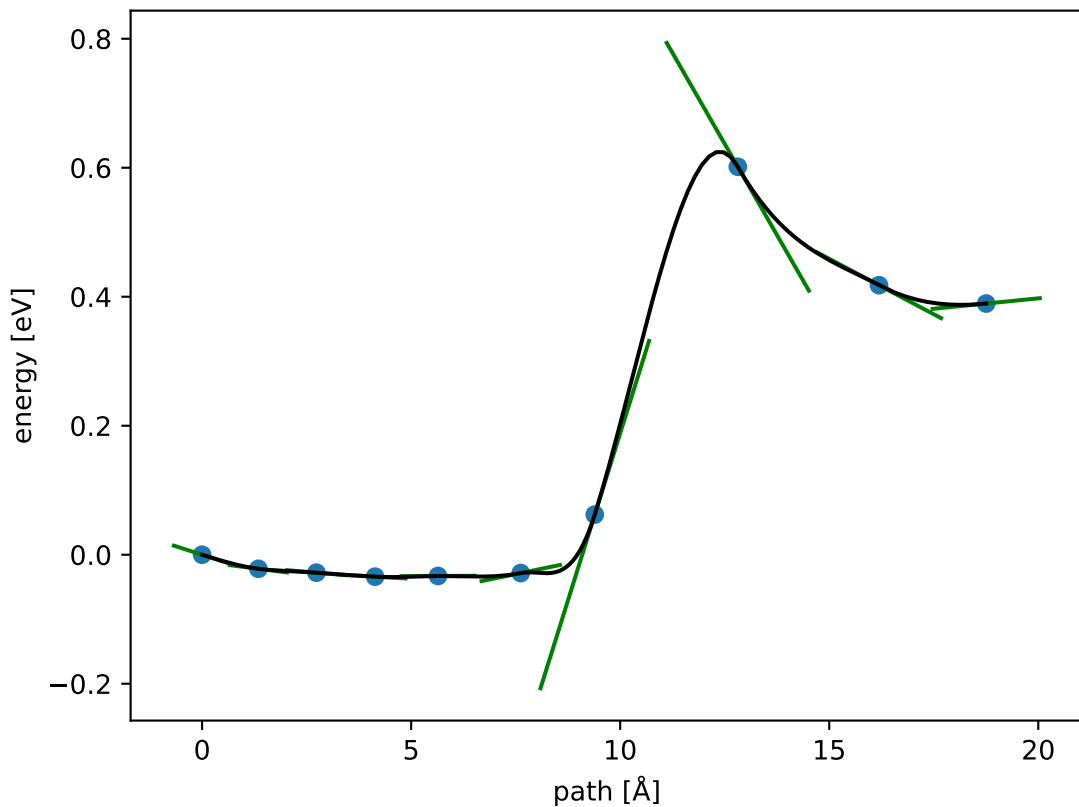
$$E_f \approx 0.602 \text{ eV}; E_r \approx 0.213 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



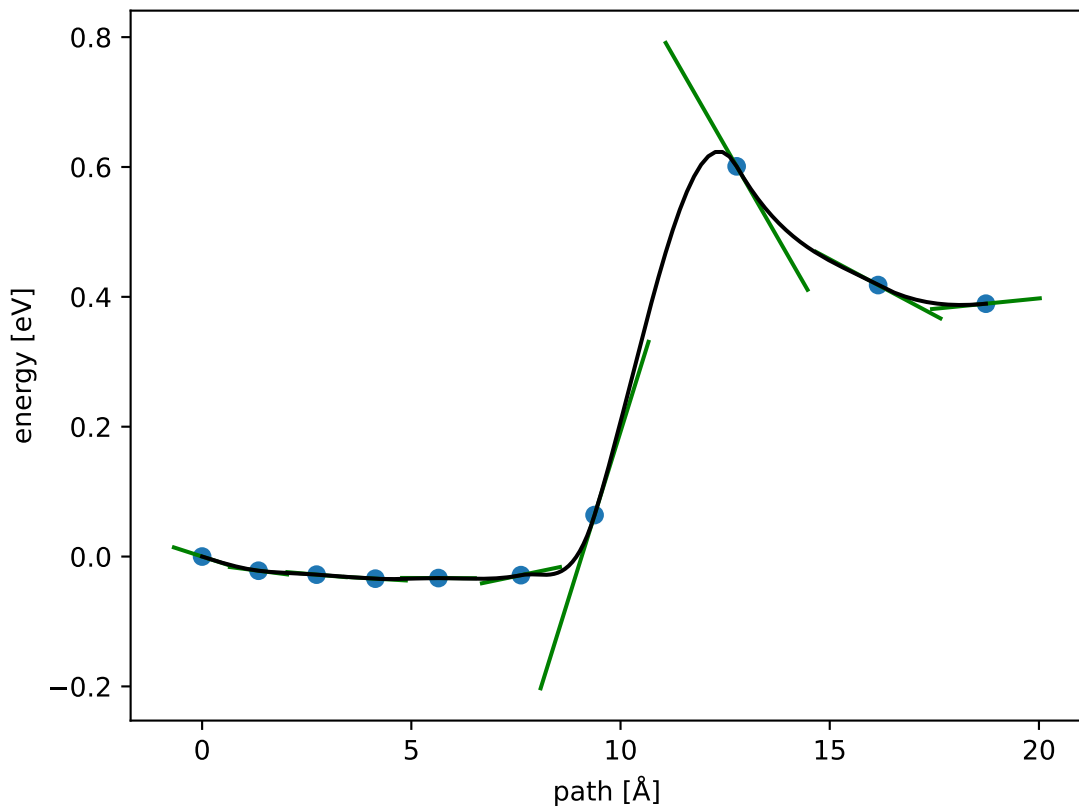
$$E_f \approx 0.602 \text{ eV}; E_r \approx 0.212 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



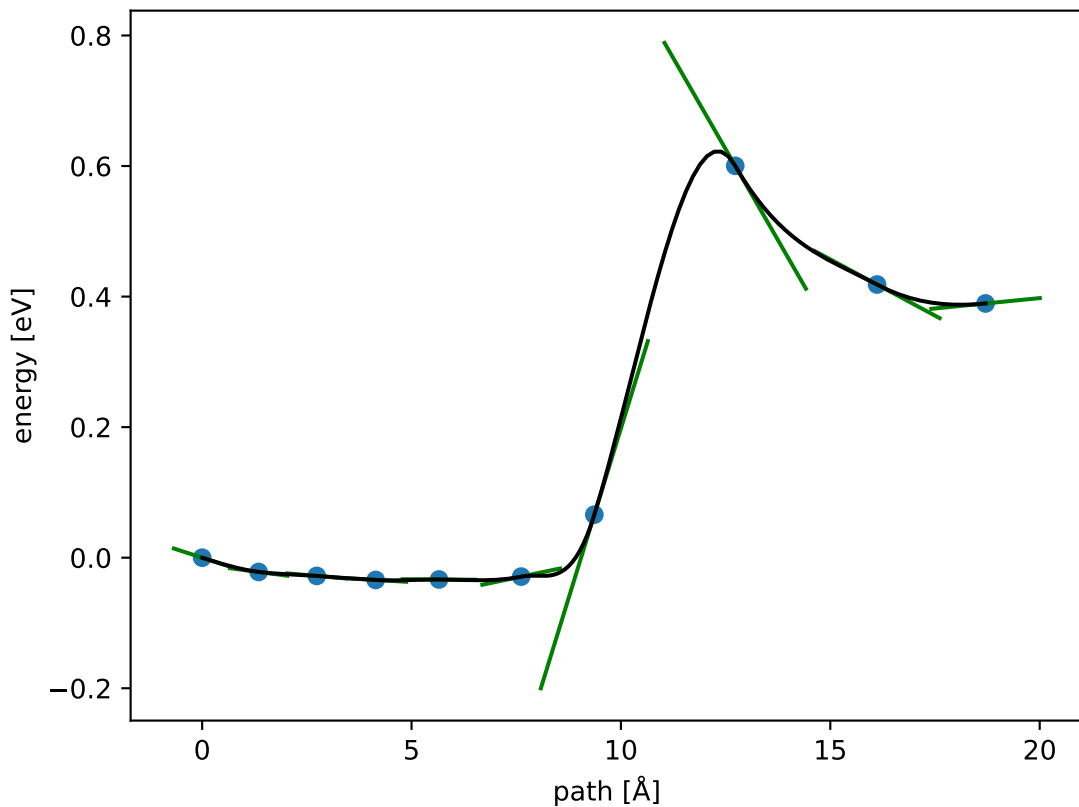
$$E_f \approx 0.602 \text{ eV}; E_r \approx 0.212 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



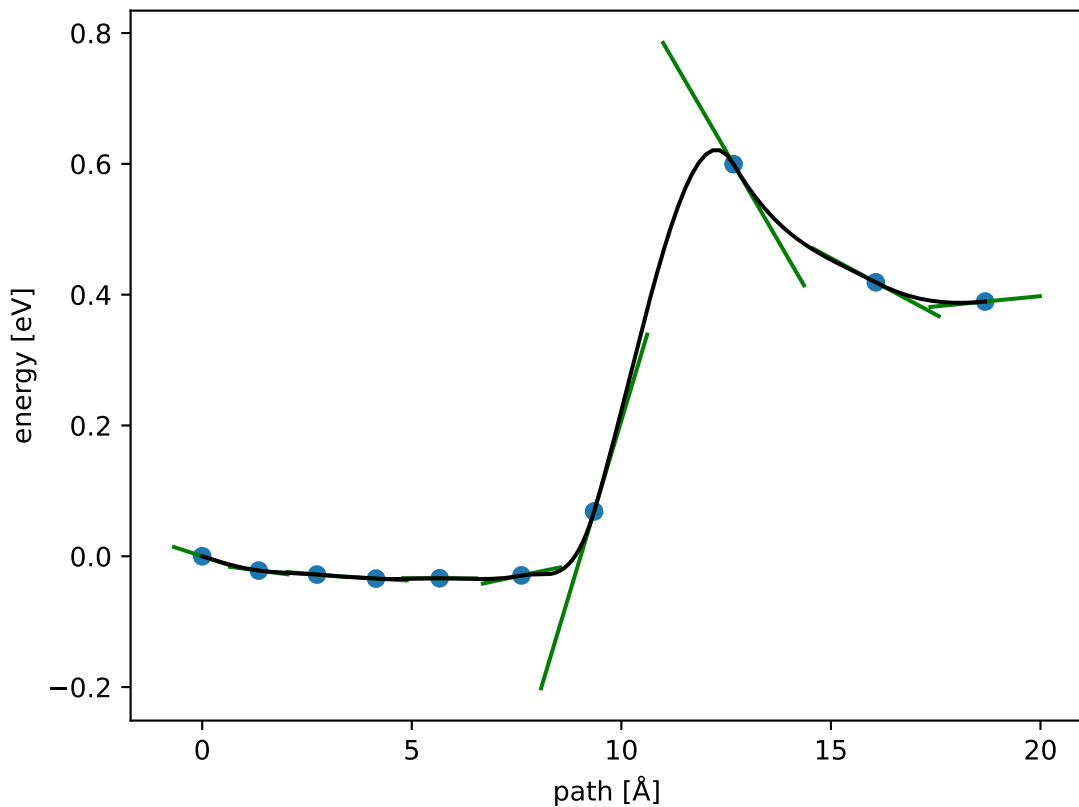
$$E_f \approx 0.601 \text{ eV}; E_r \approx 0.212 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



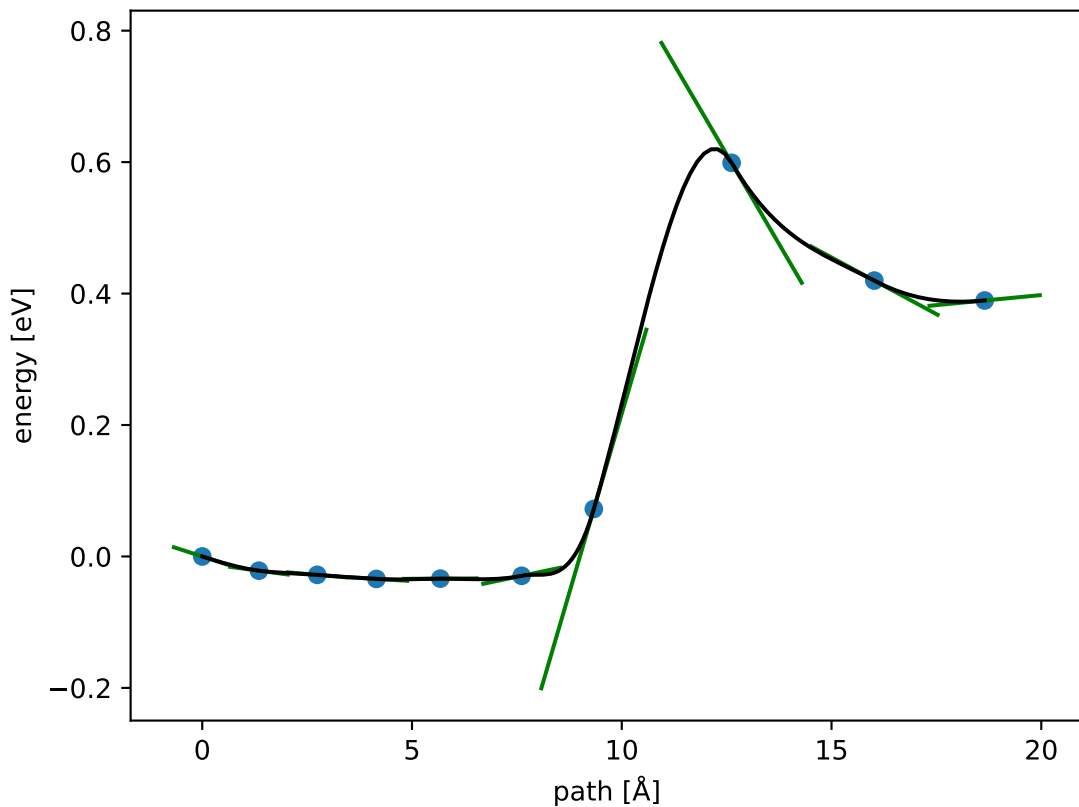
$$E_f \approx 0.600 \text{ eV}; E_r \approx 0.211 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



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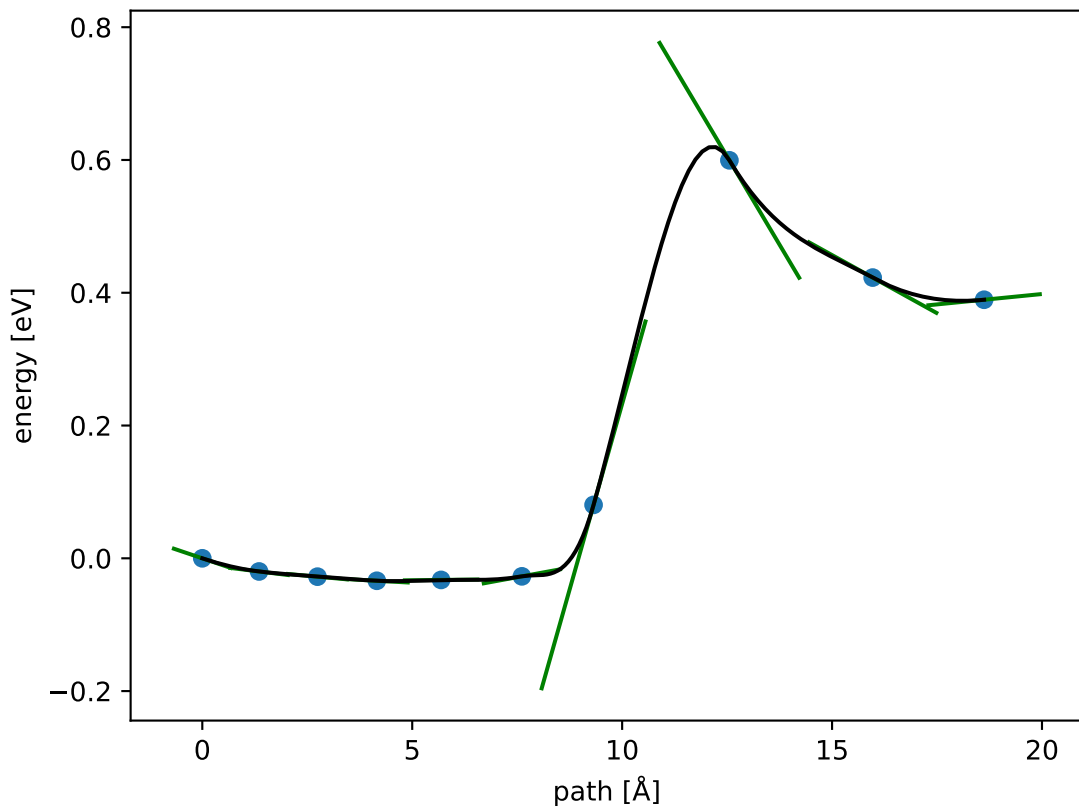


$$E_f \approx 0.599 \text{ eV}; E_r \approx 0.209 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

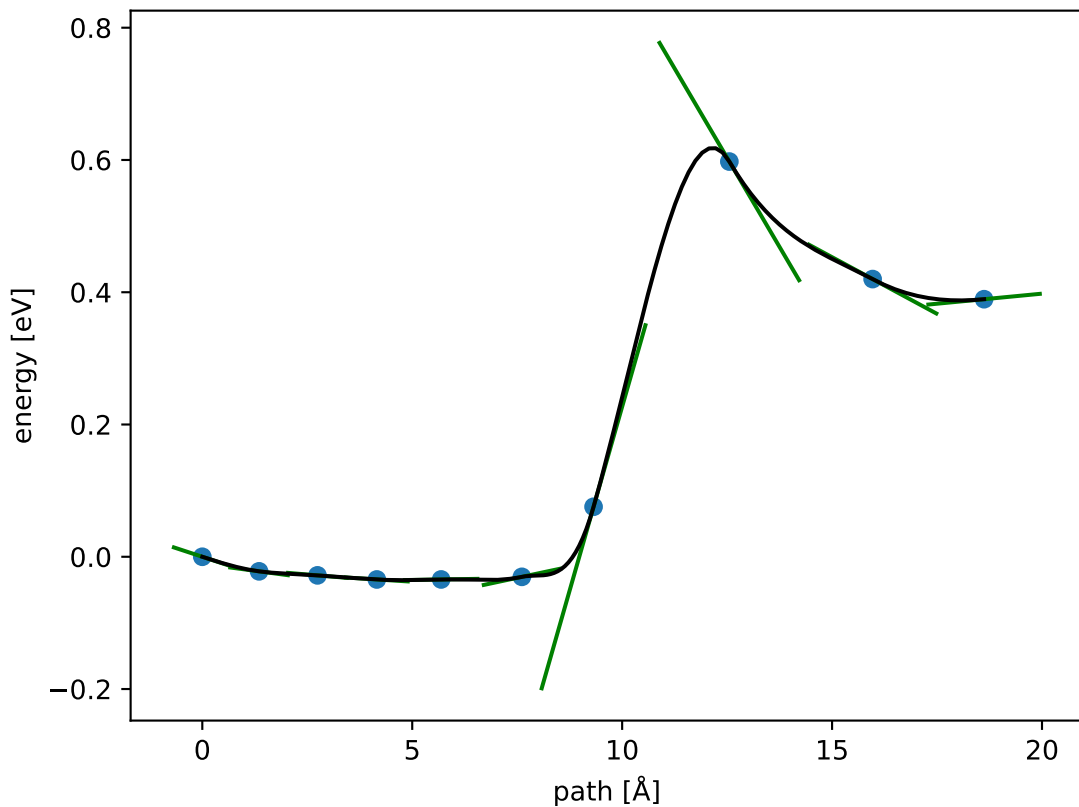




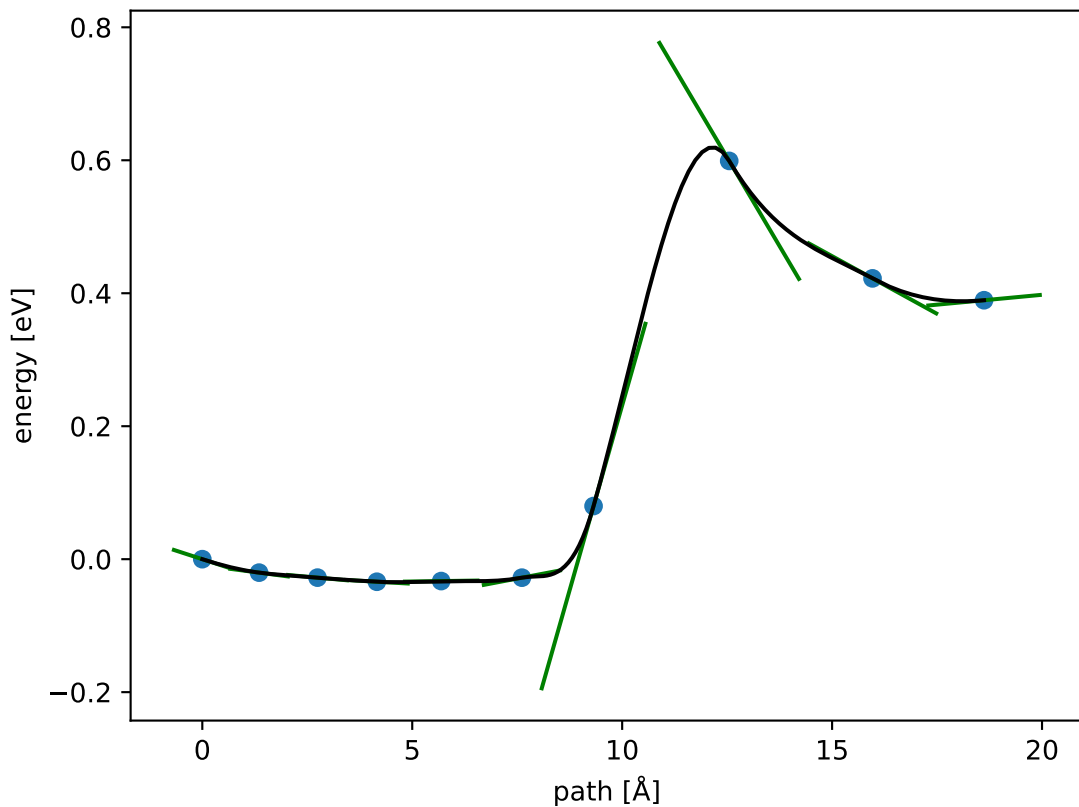
$$E_f \approx 0.599 \text{ eV}; E_r \approx 0.210 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



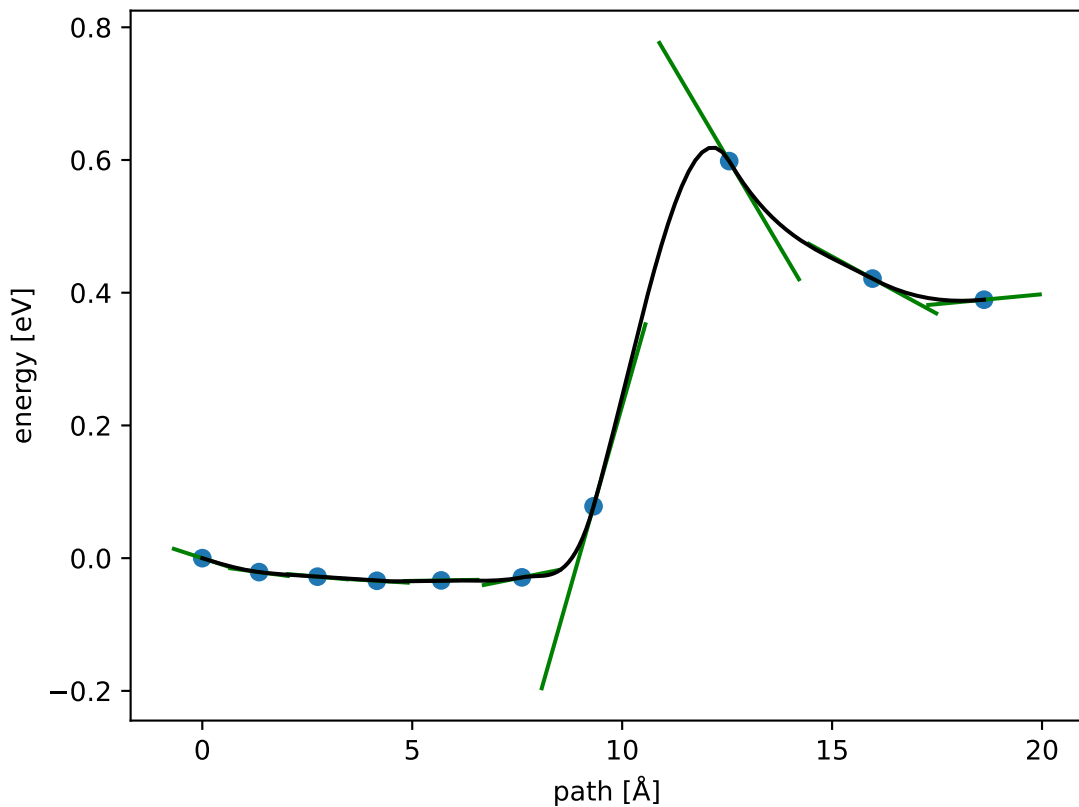
$$E_f \approx 0.598 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



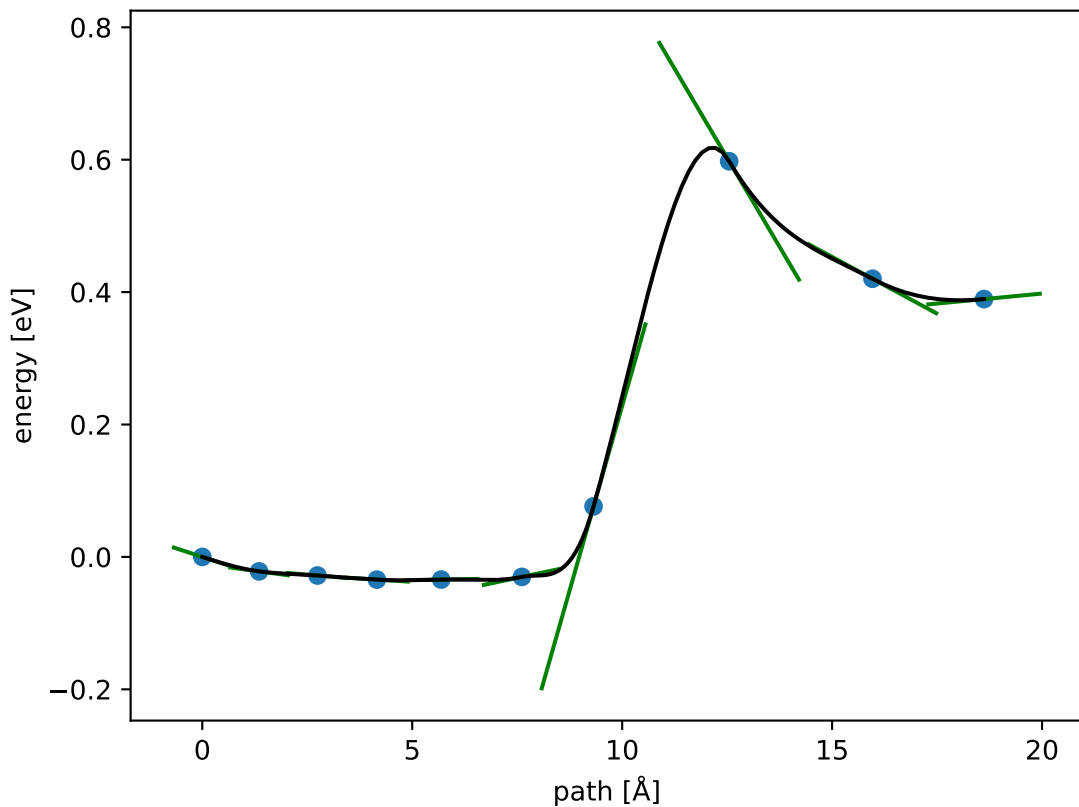
$$E_f \approx 0.599 \text{ eV}; E_r \approx 0.210 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



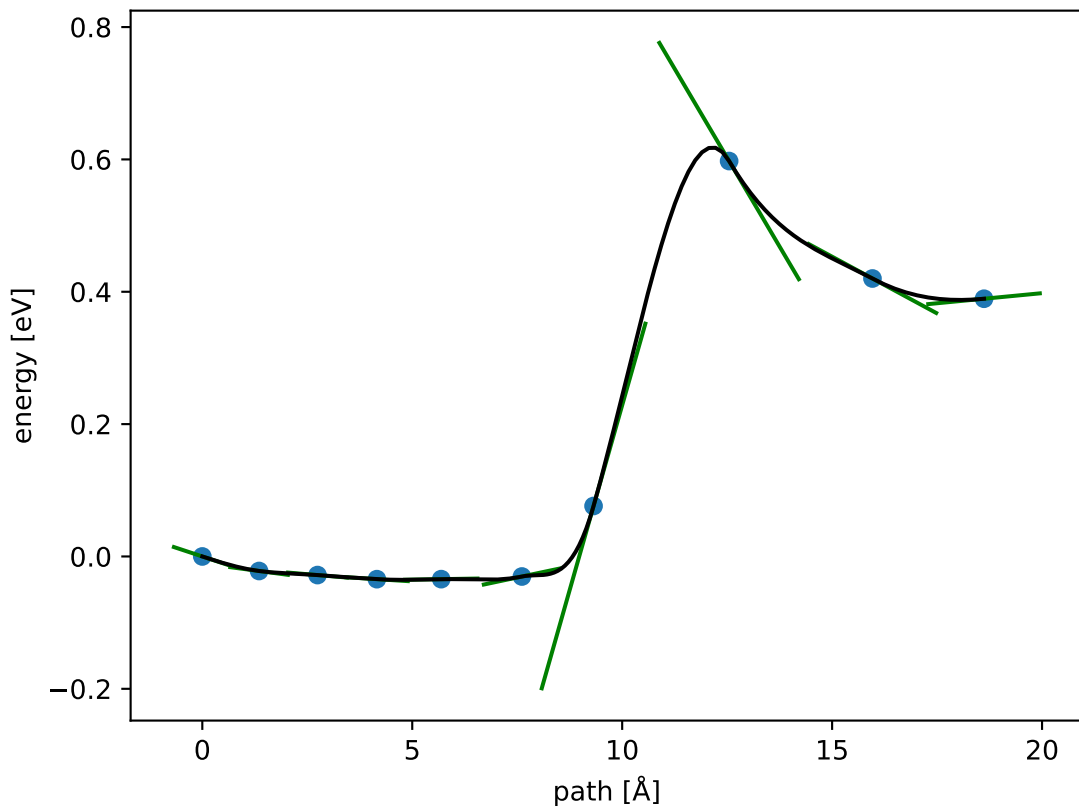
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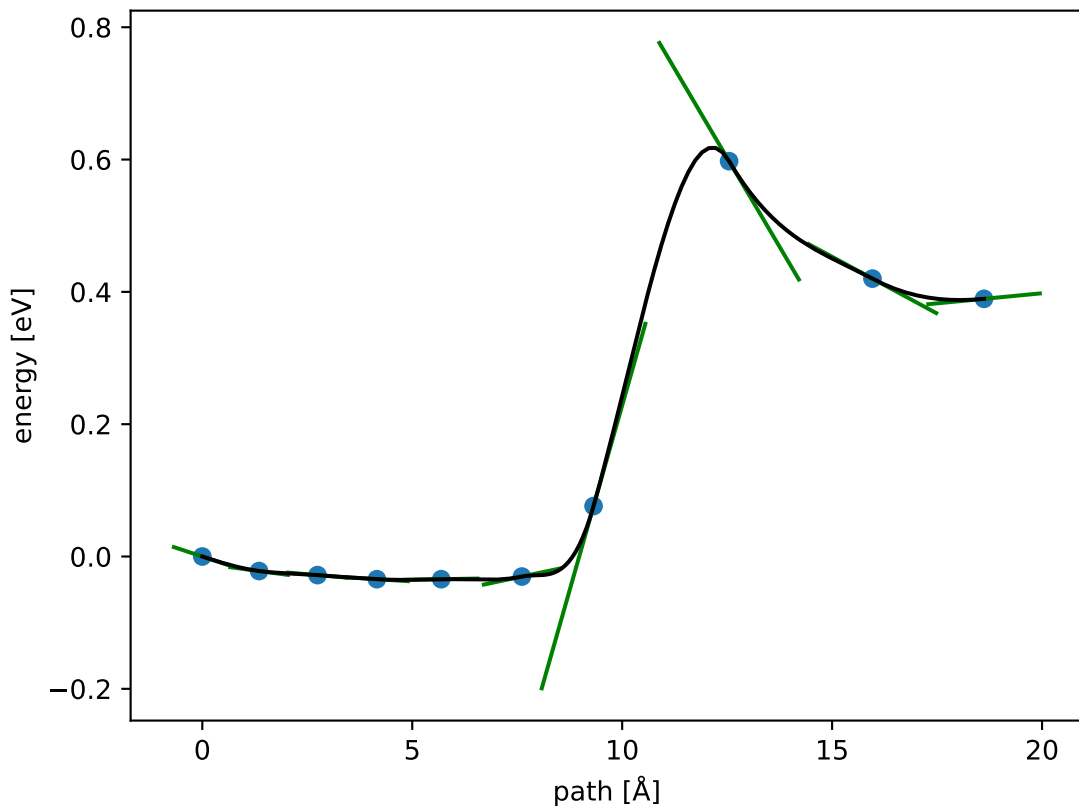
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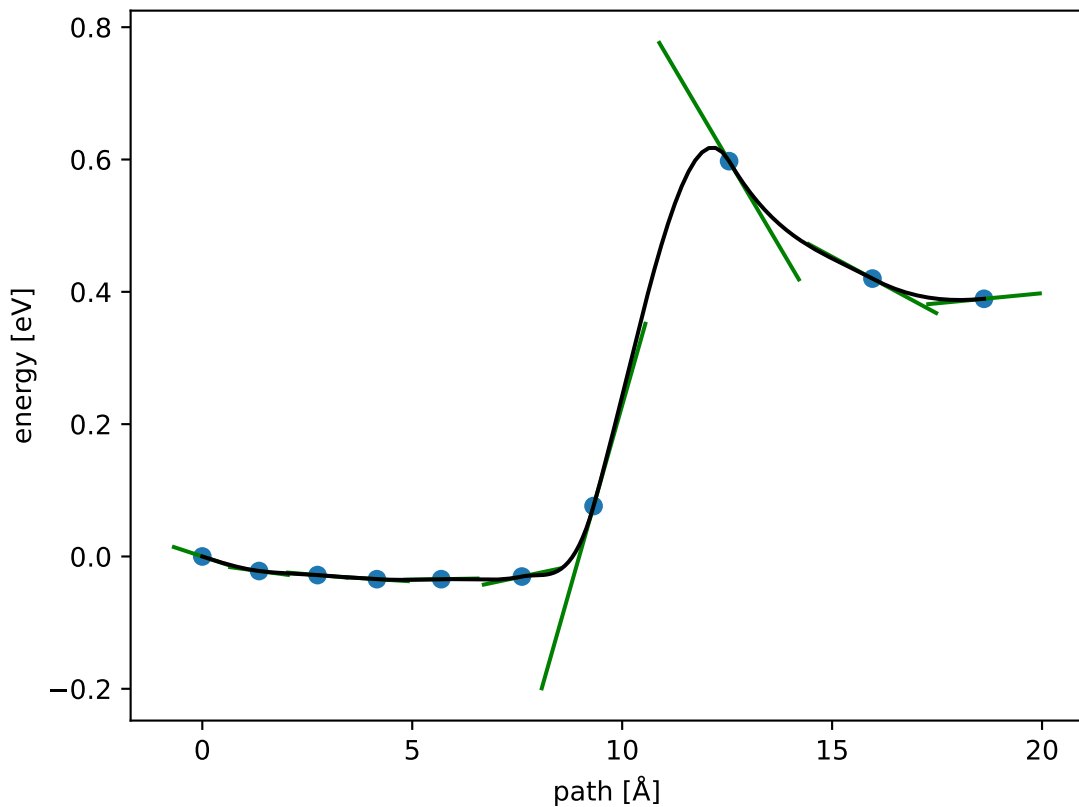
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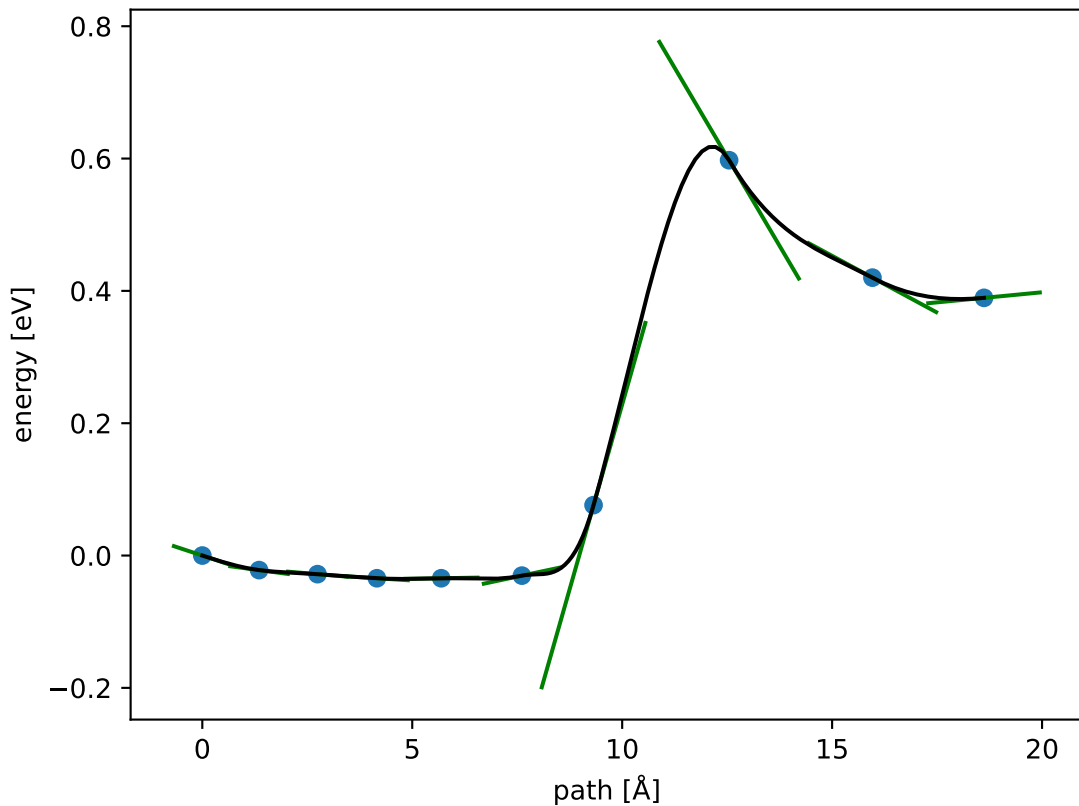


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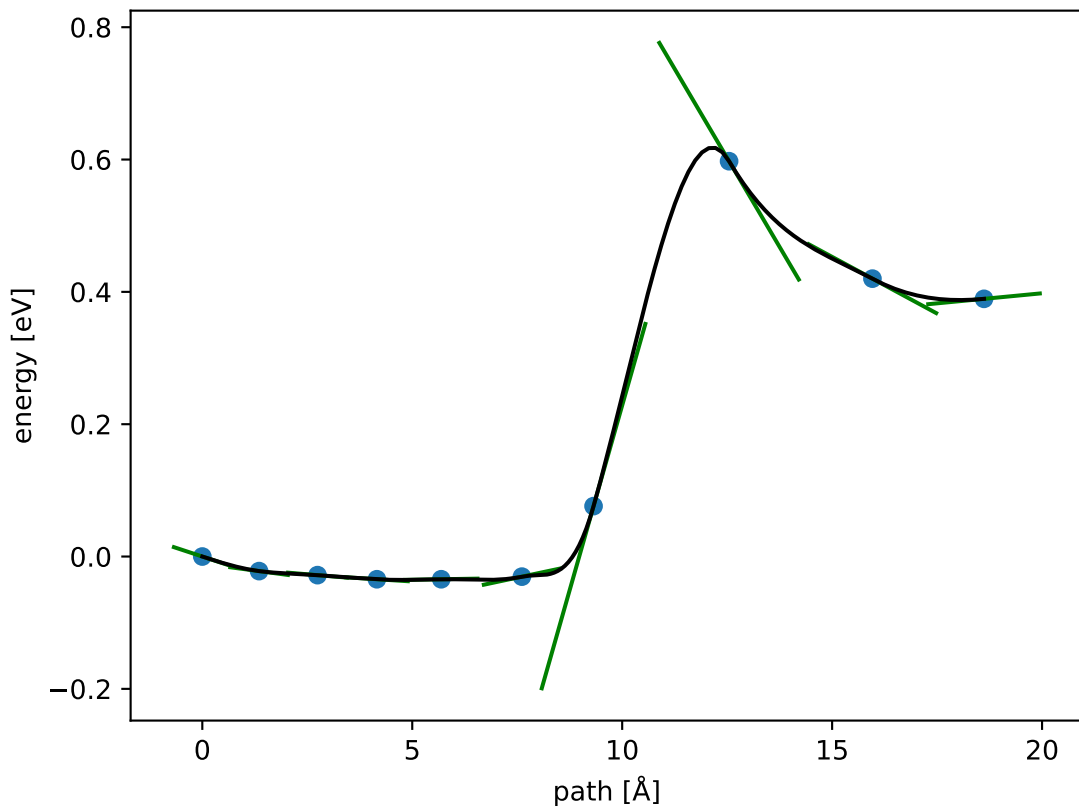




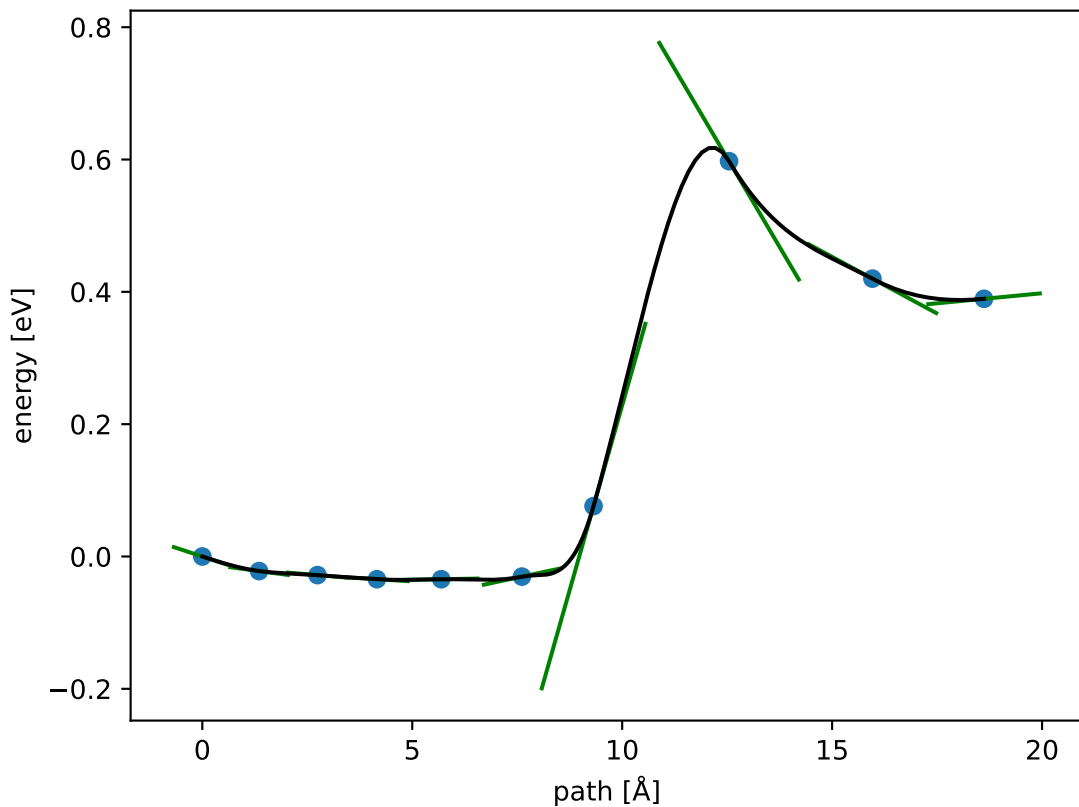
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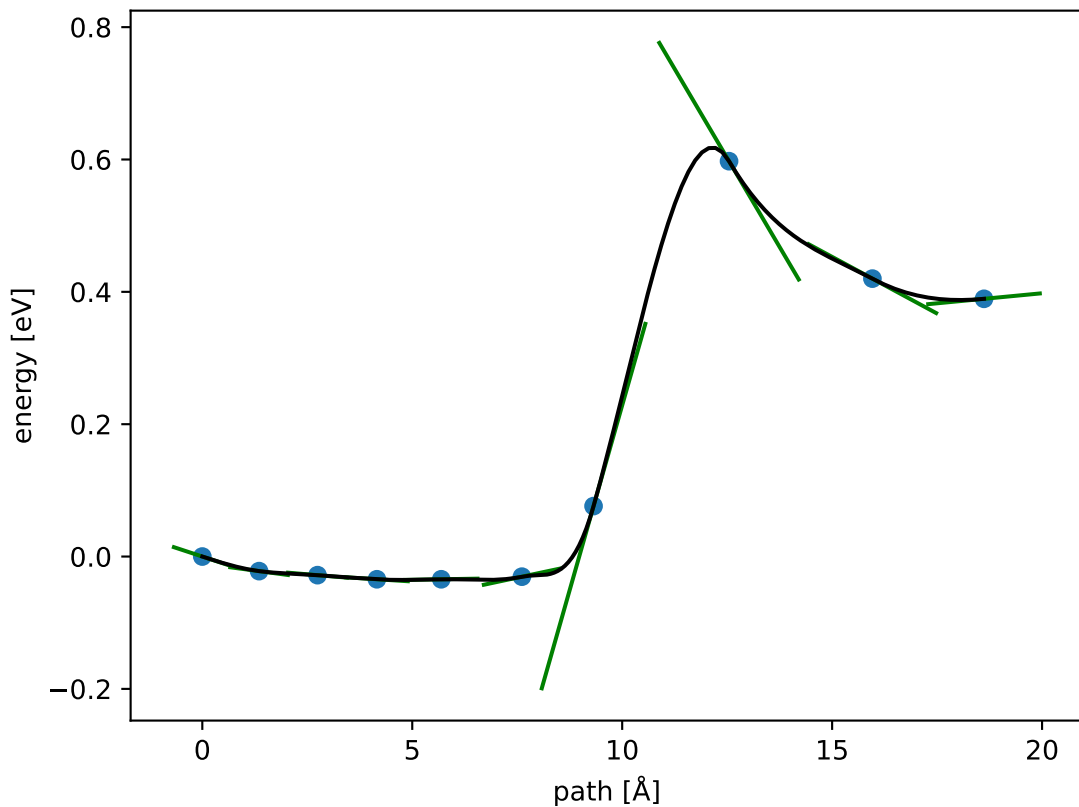
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



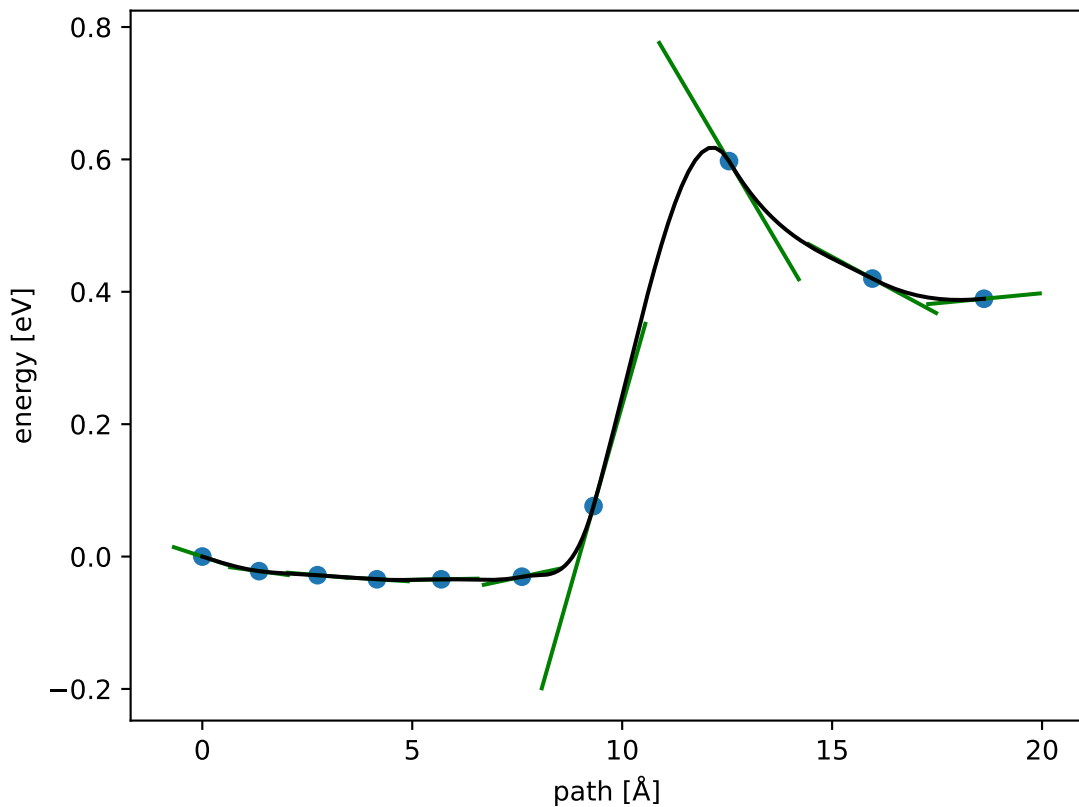
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



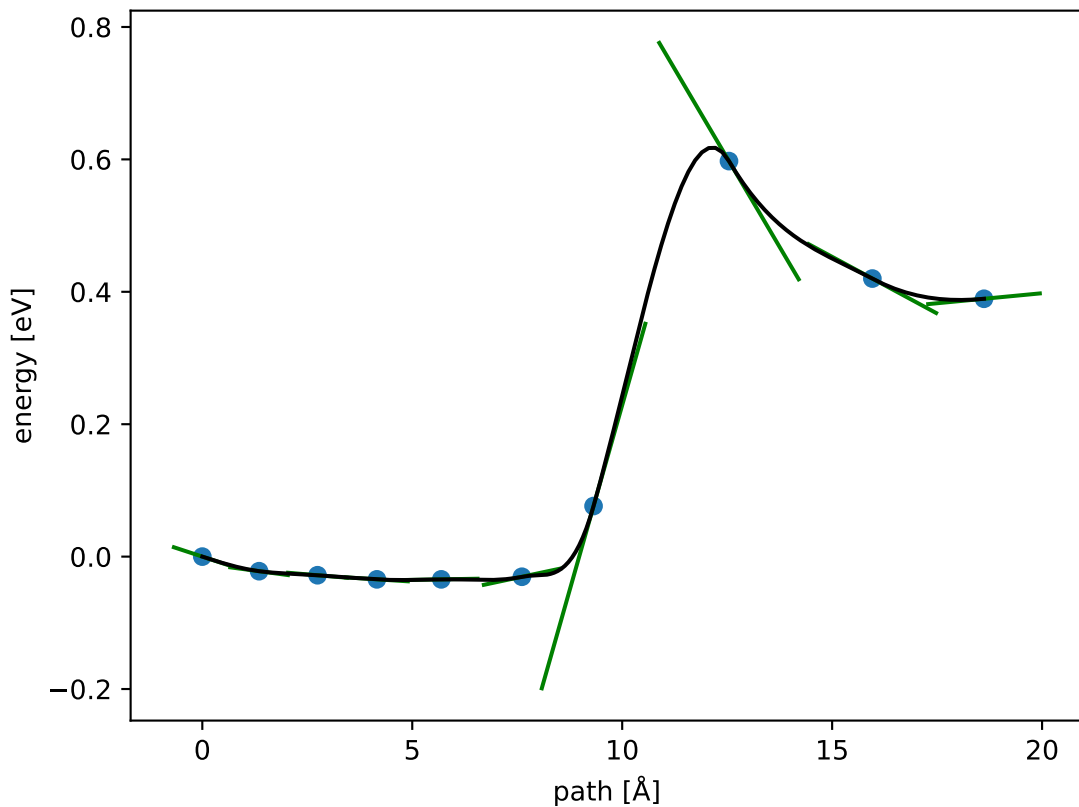
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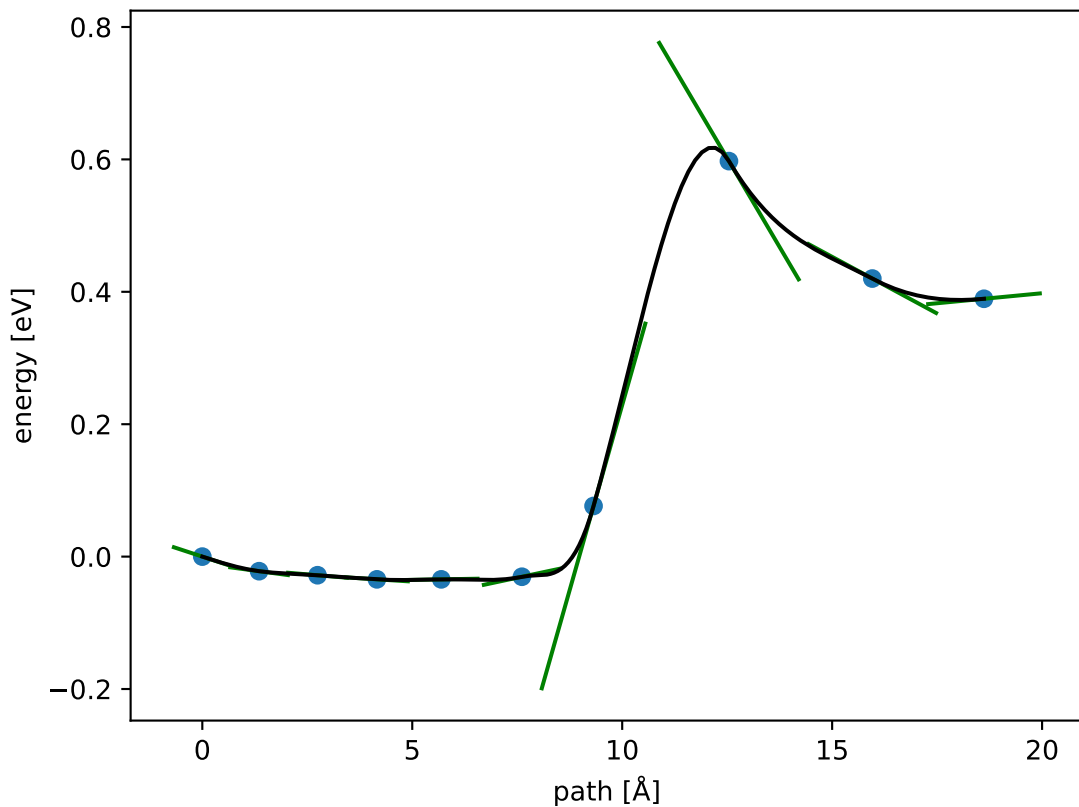
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



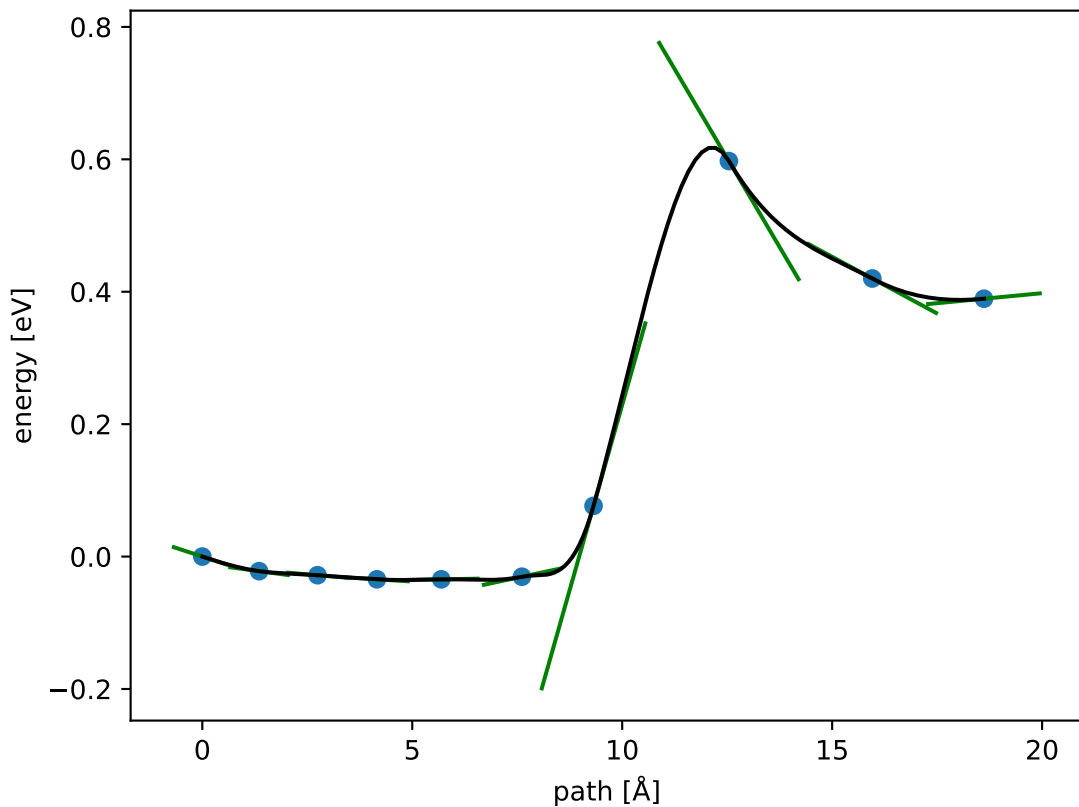
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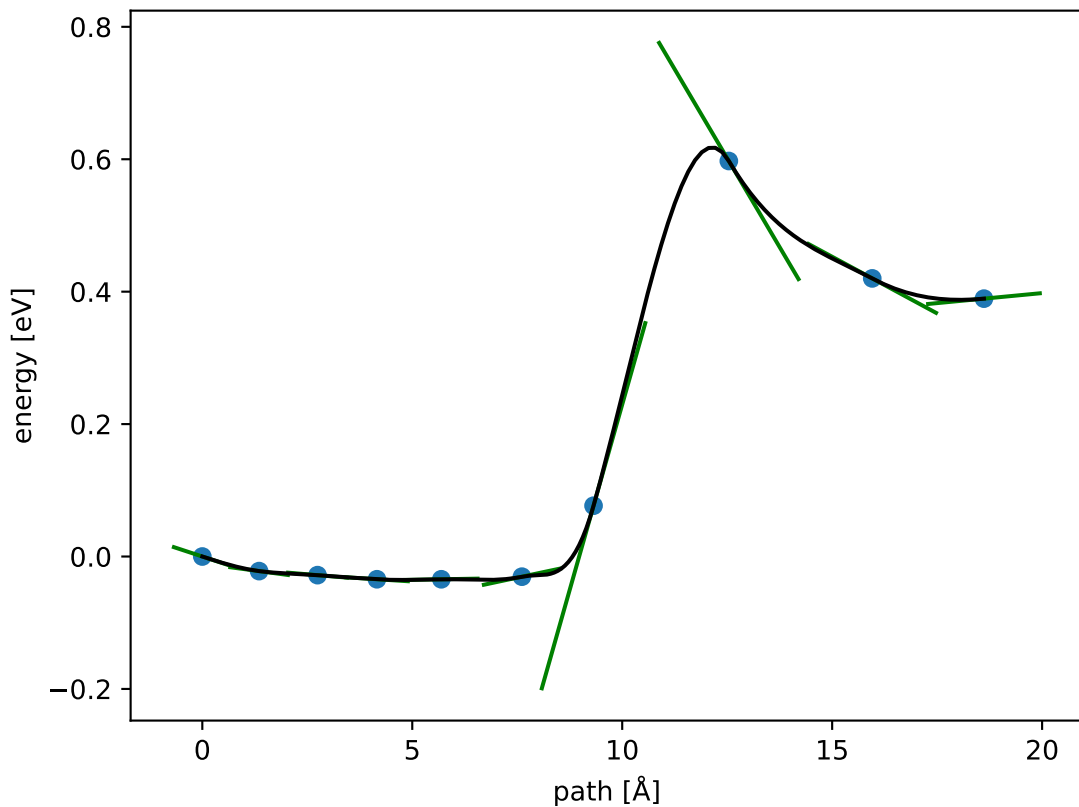


$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

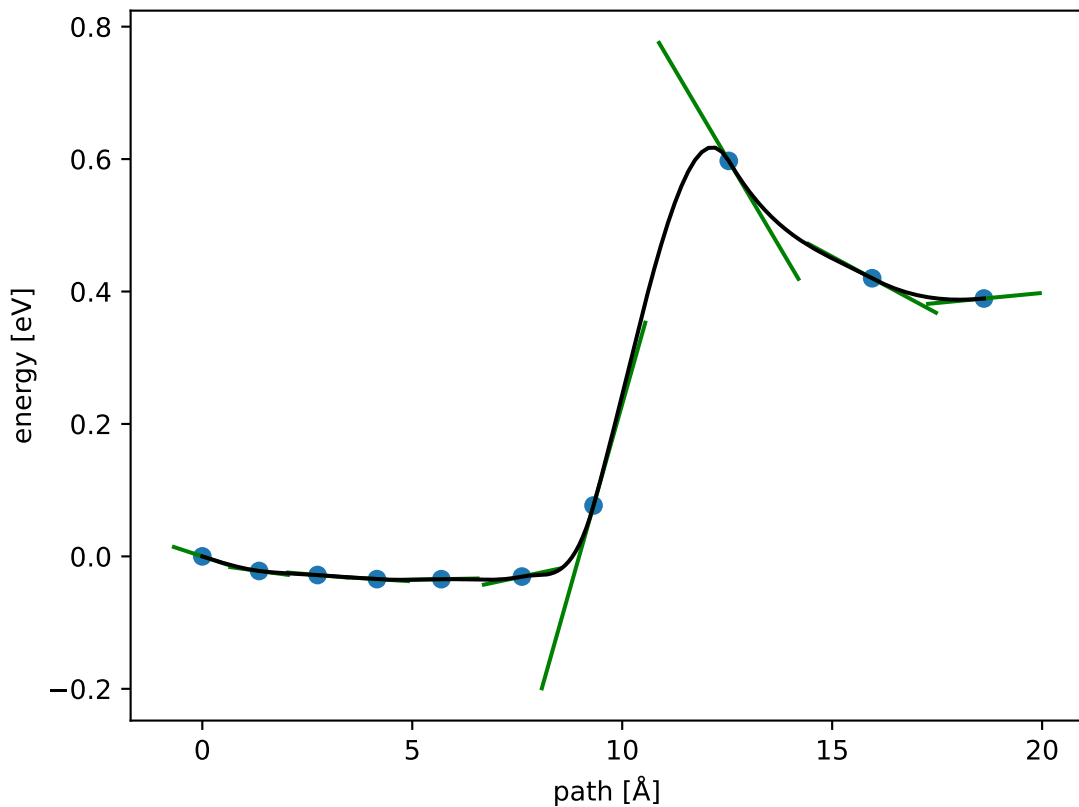




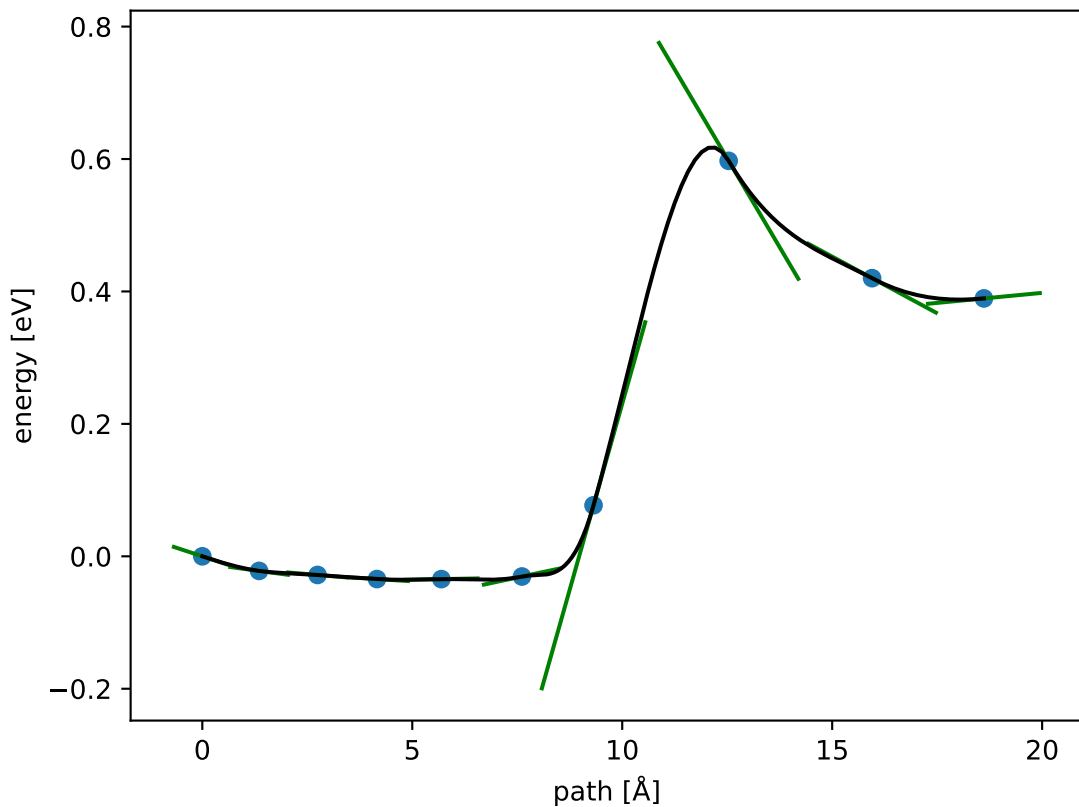
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



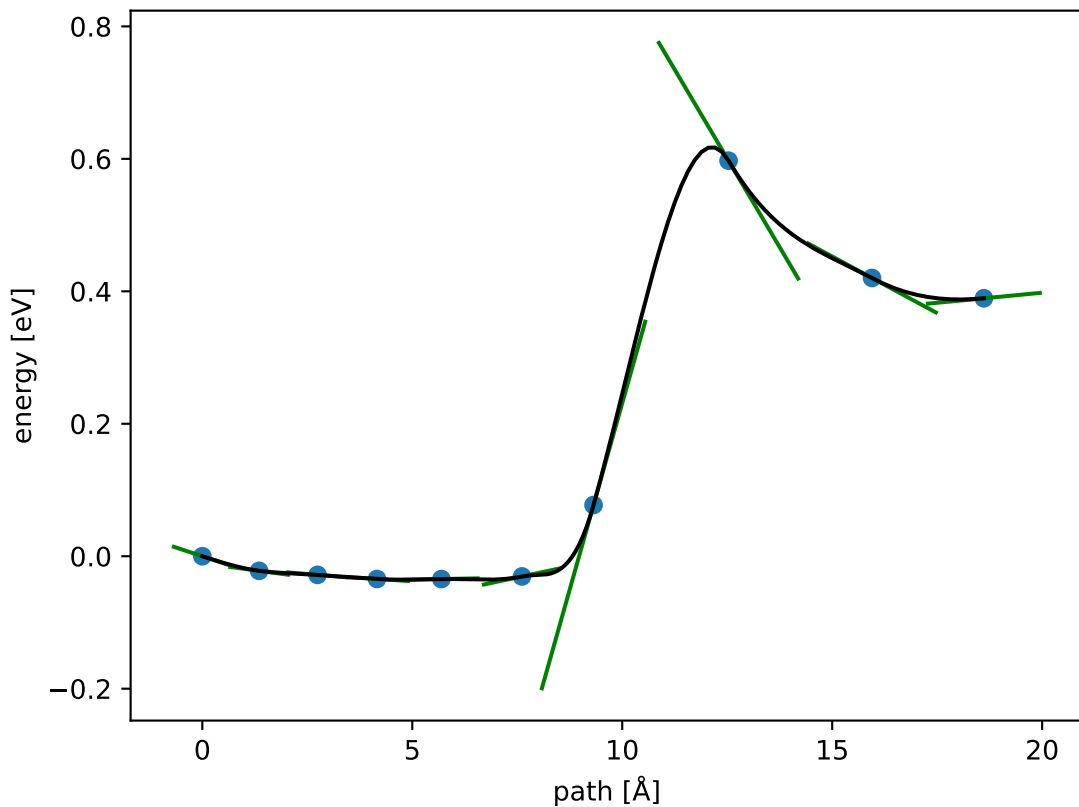
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



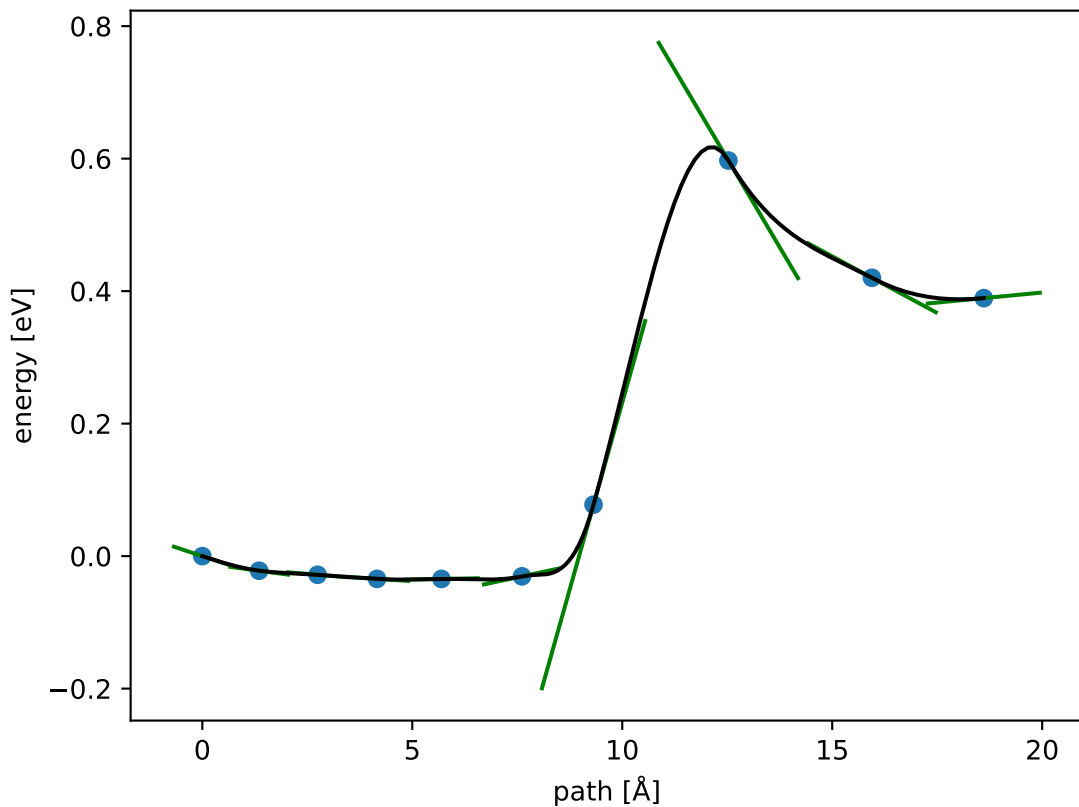
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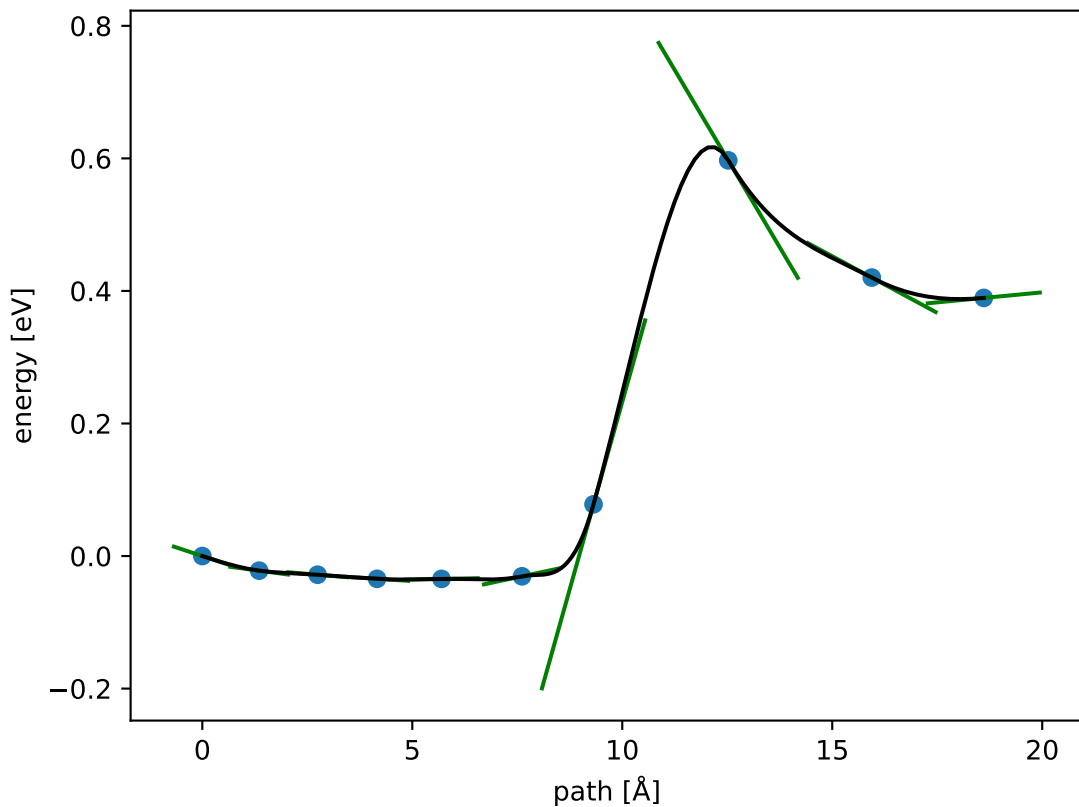
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



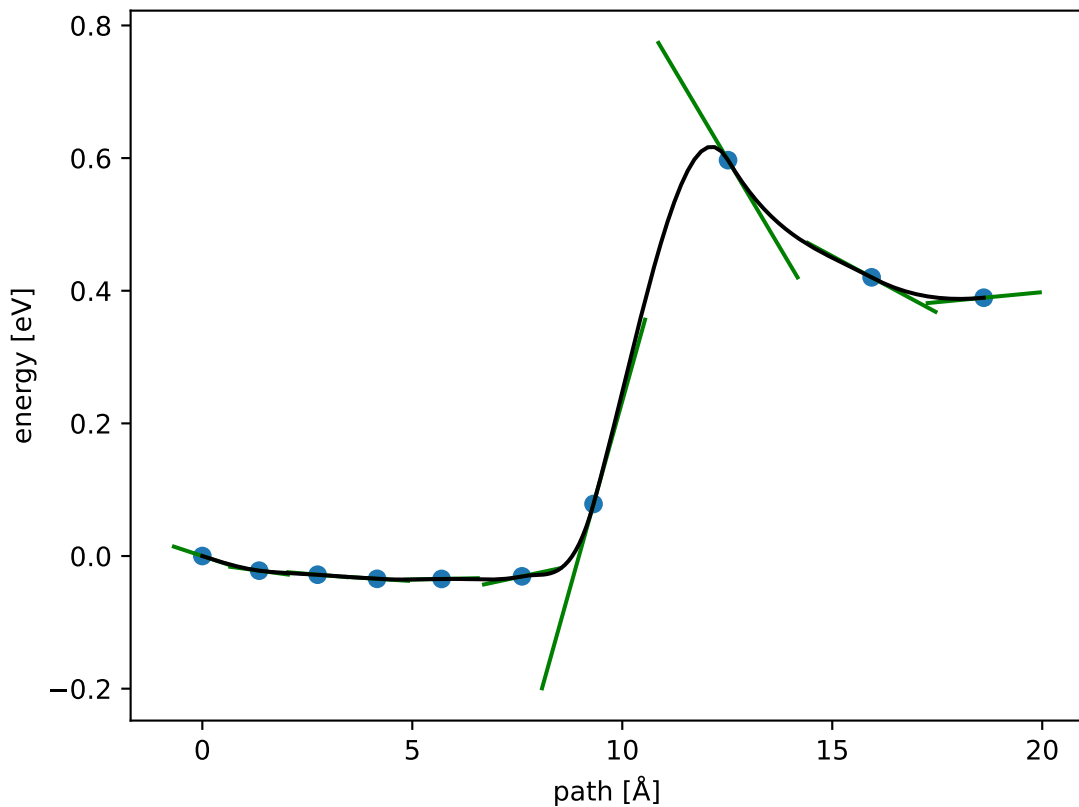
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.208 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



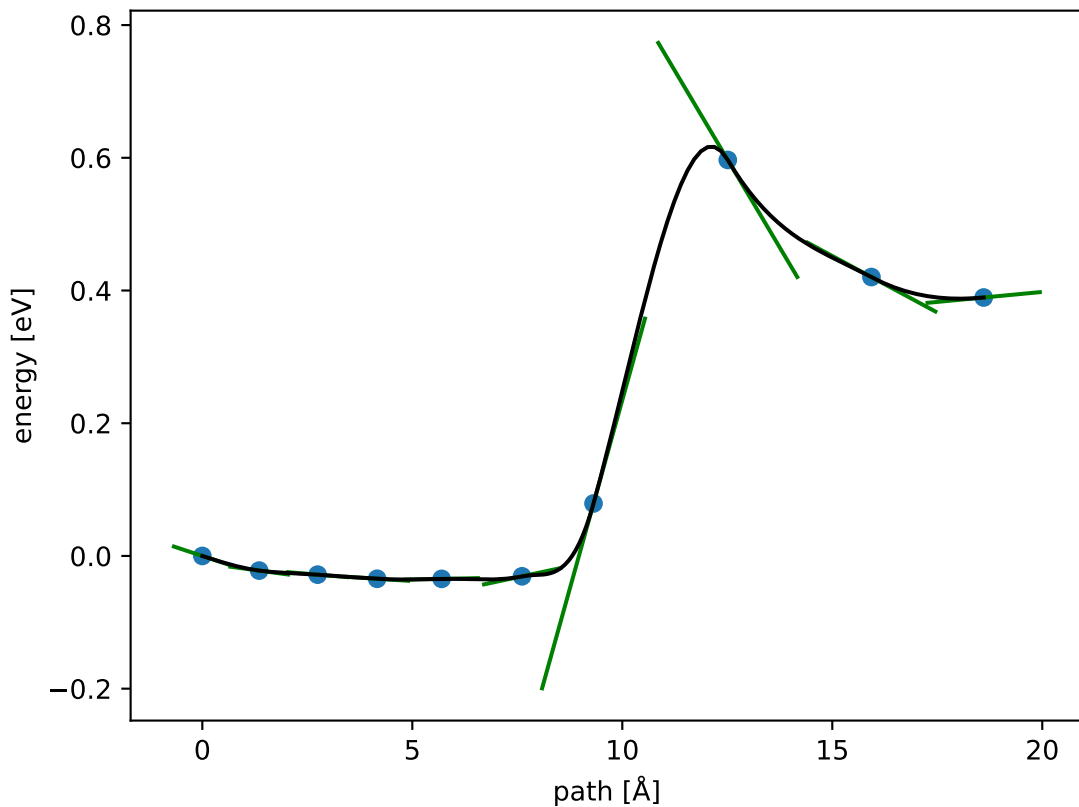
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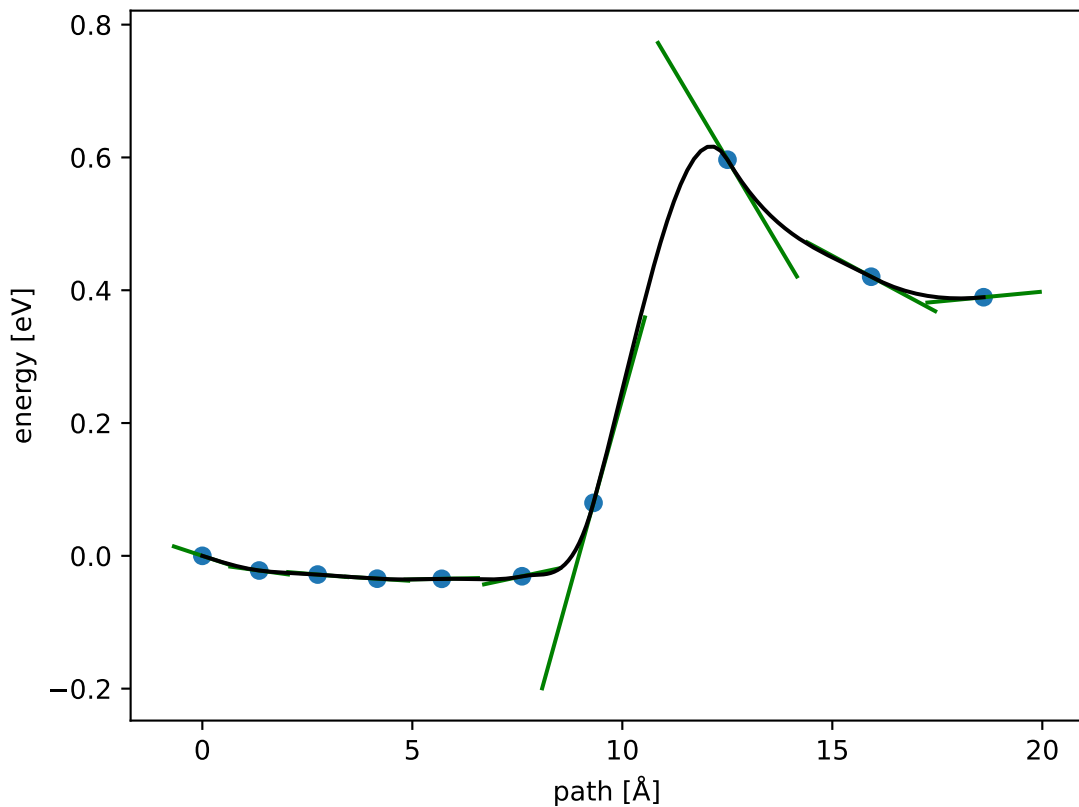


$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.207 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

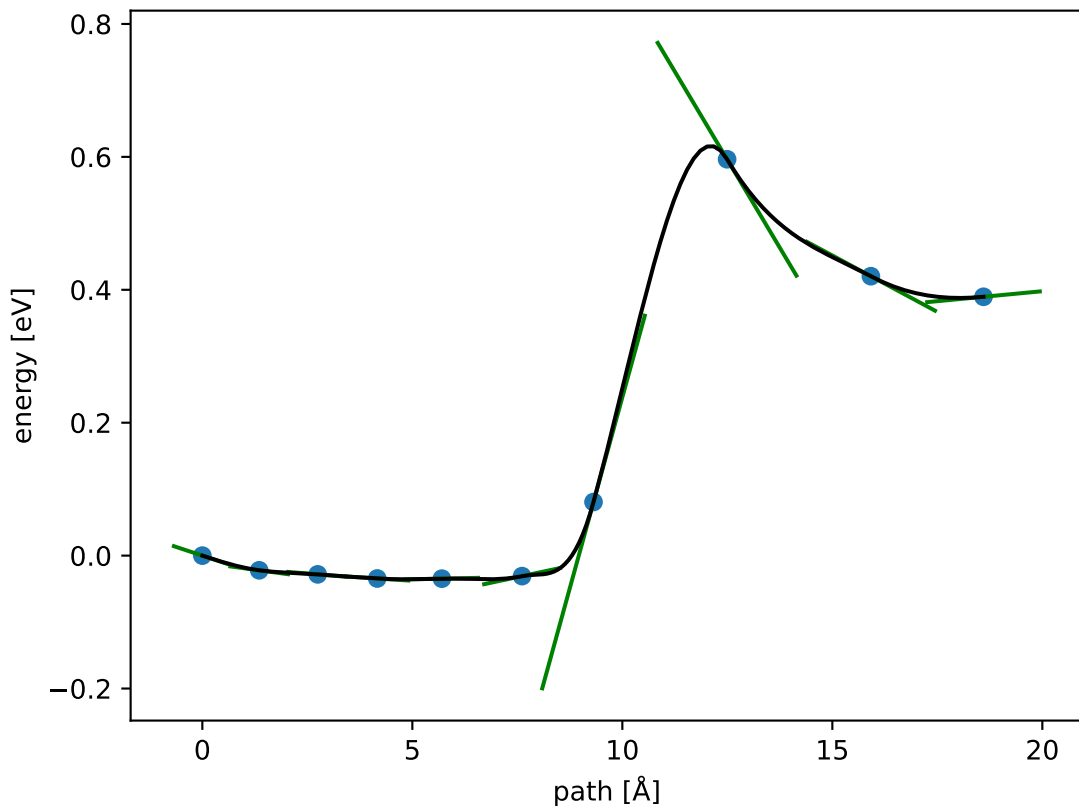




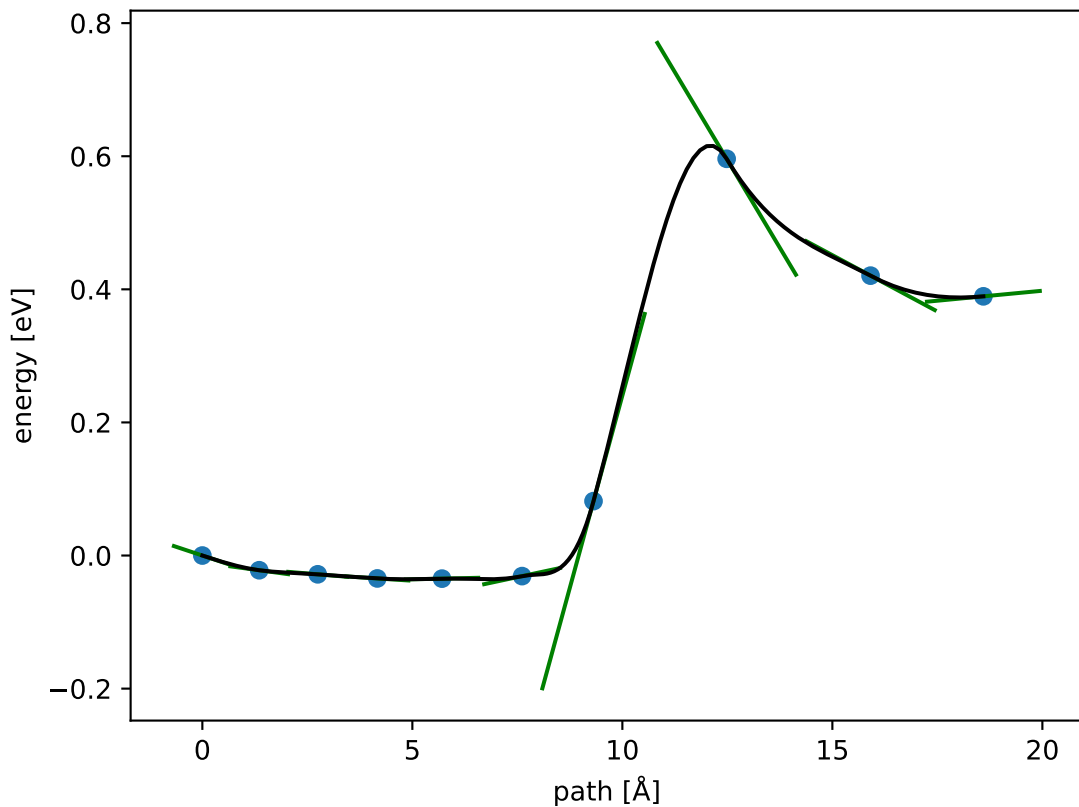
$$E_f \approx 0.597 \text{ eV}; E_r \approx 0.207 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



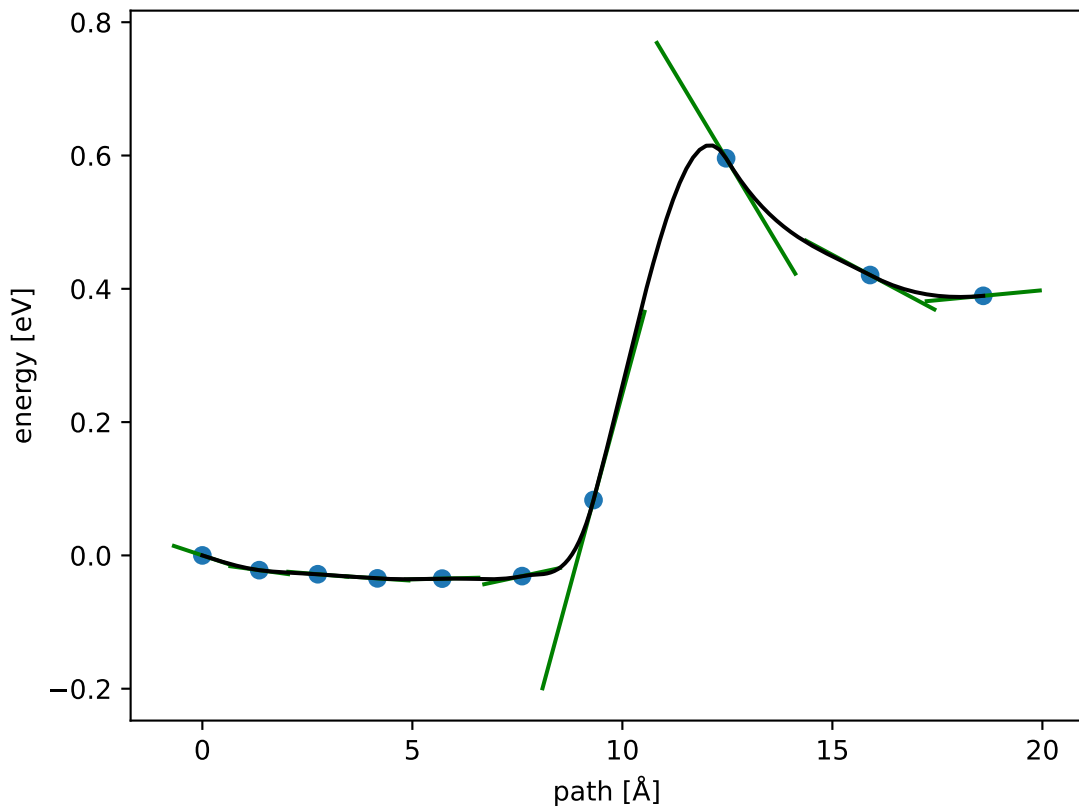
$$E_f \approx 0.596 \text{ eV}; E_r \approx 0.207 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



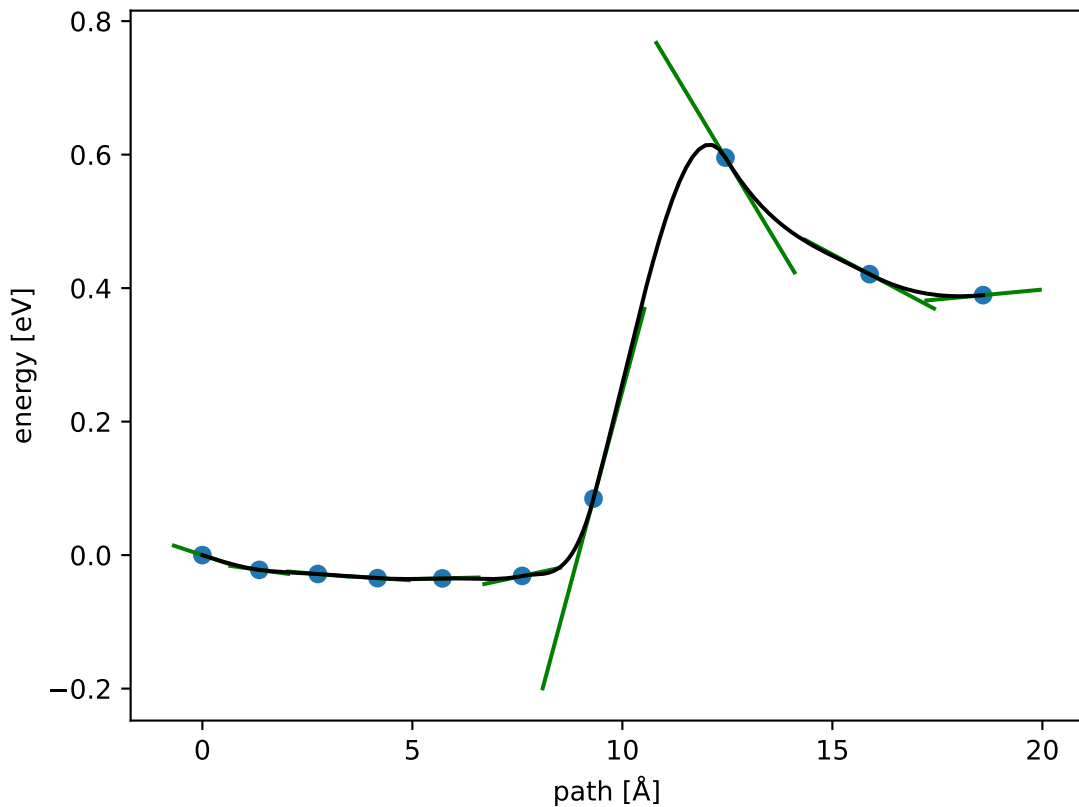
$$E_f \approx 0.596 \text{ eV}; E_r \approx 0.207 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



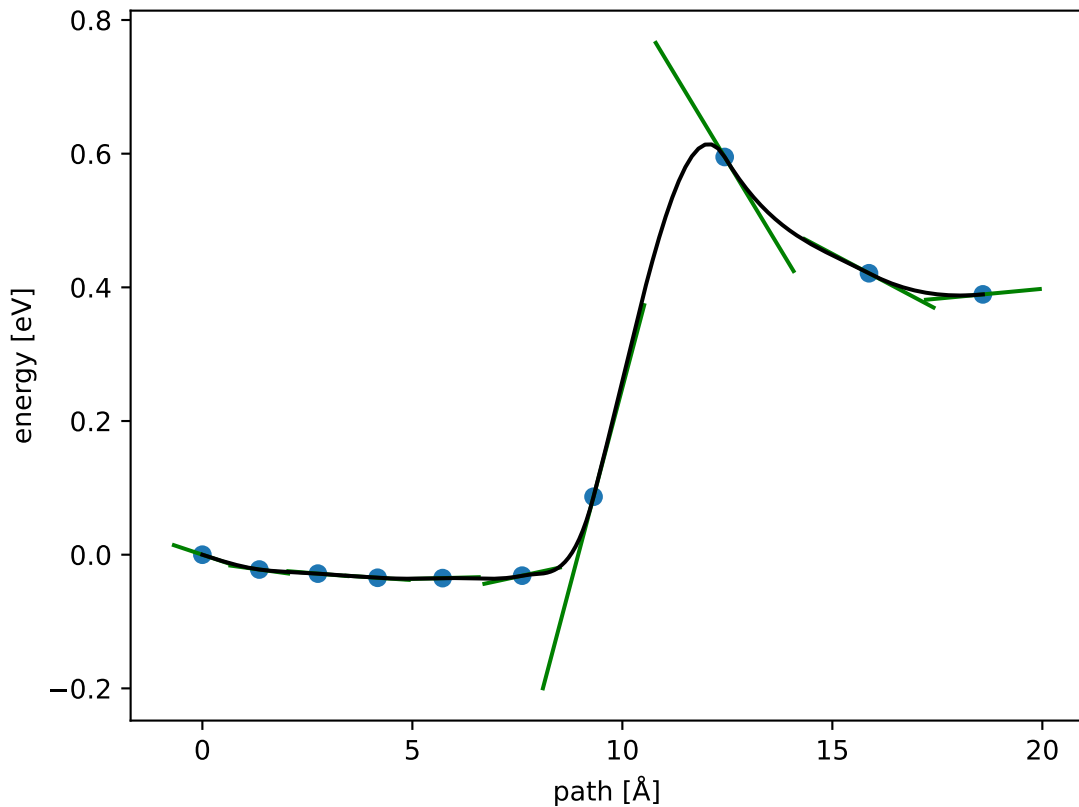
$$E_f \approx 0.596 \text{ eV}; E_r \approx 0.206 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



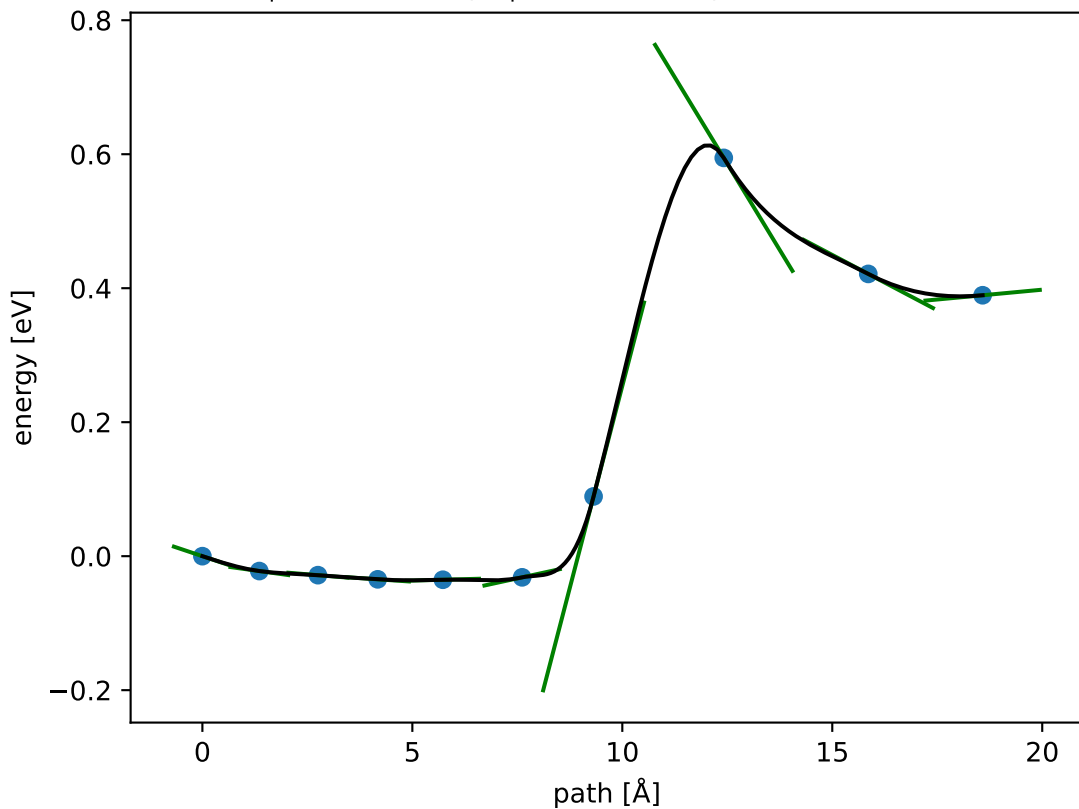
$$E_f \approx 0.595 \text{ eV}; E_r \approx 0.206 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



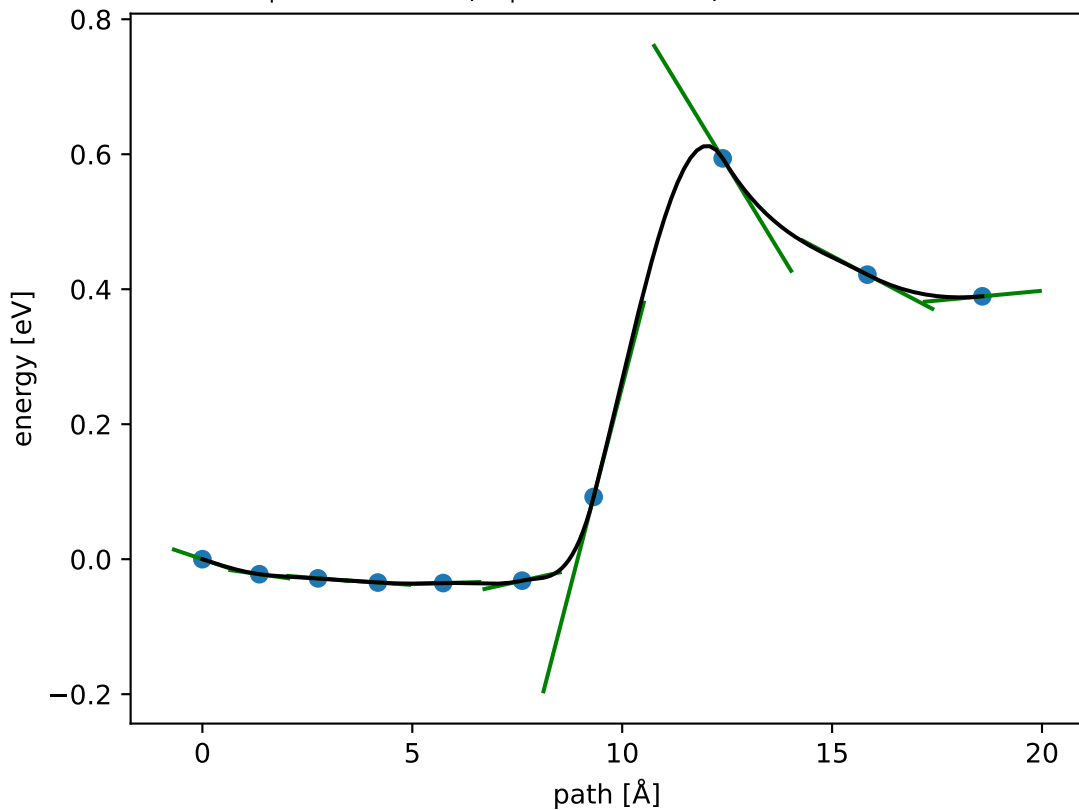
$$E_f \approx 0.595 \text{ eV}; E_r \approx 0.206 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



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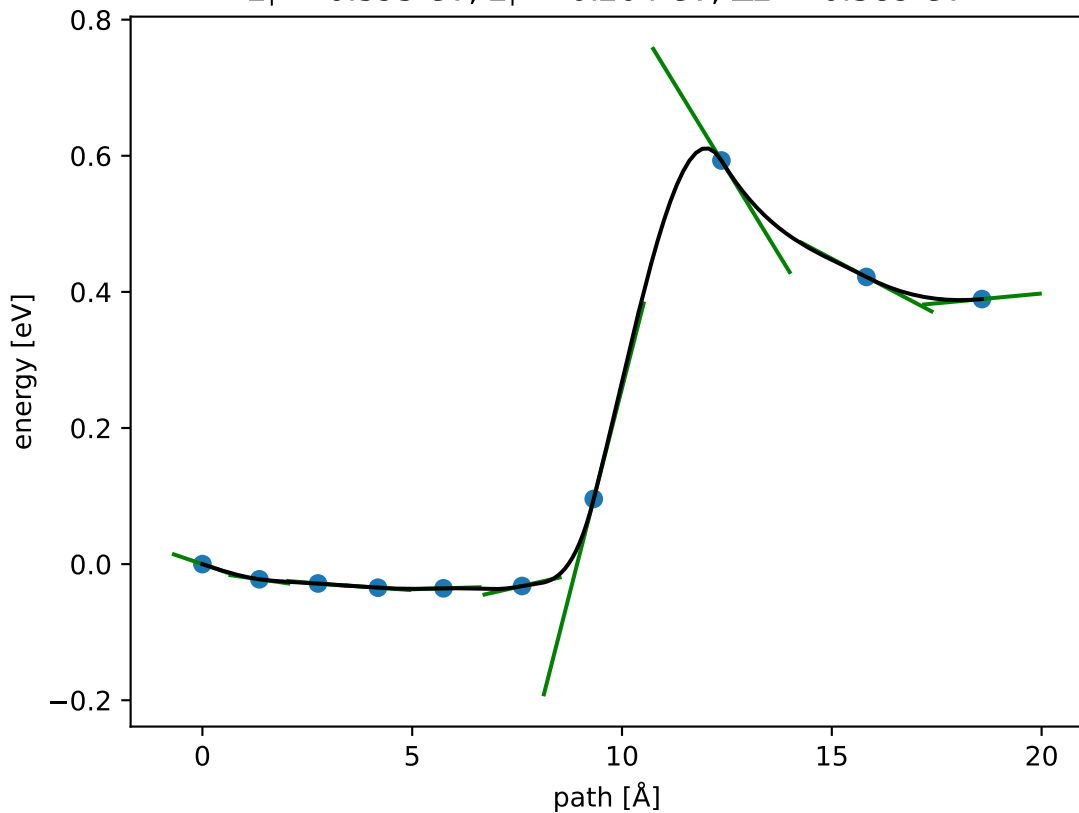


$$E_f \approx 0.594 \text{ eV}; E_r \approx 0.204 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

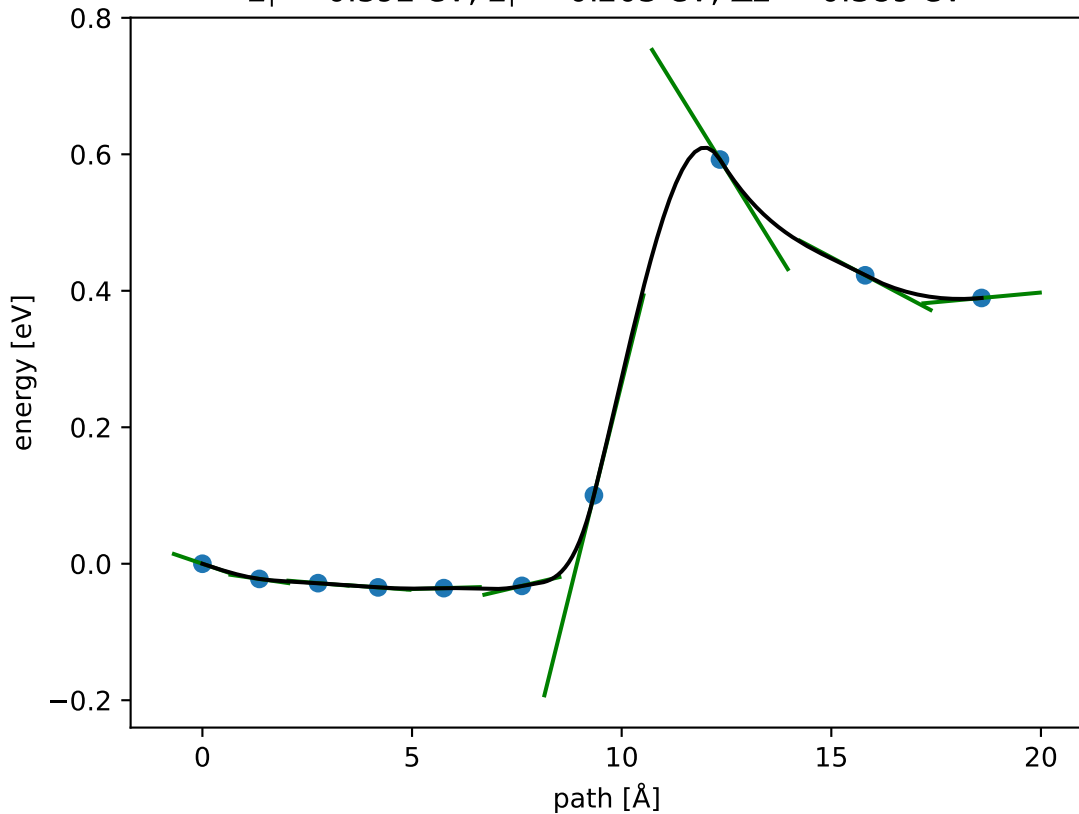




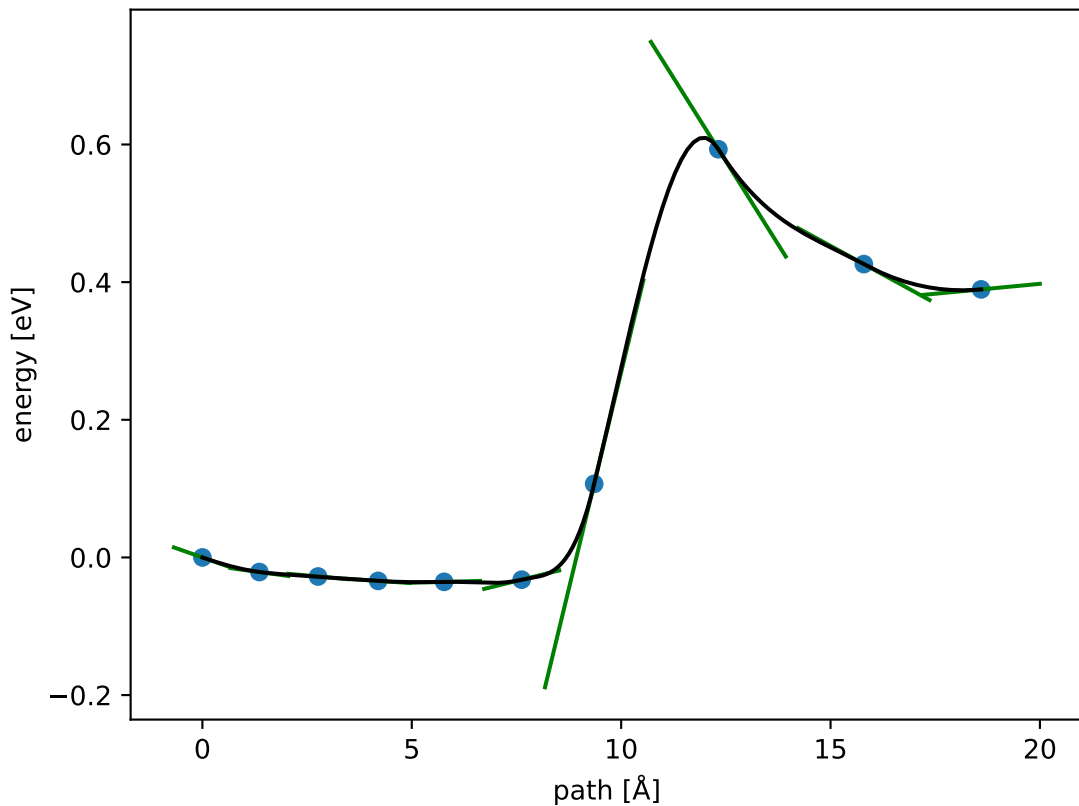
$$E_f \approx 0.593 \text{ eV}; E_r \approx 0.204 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



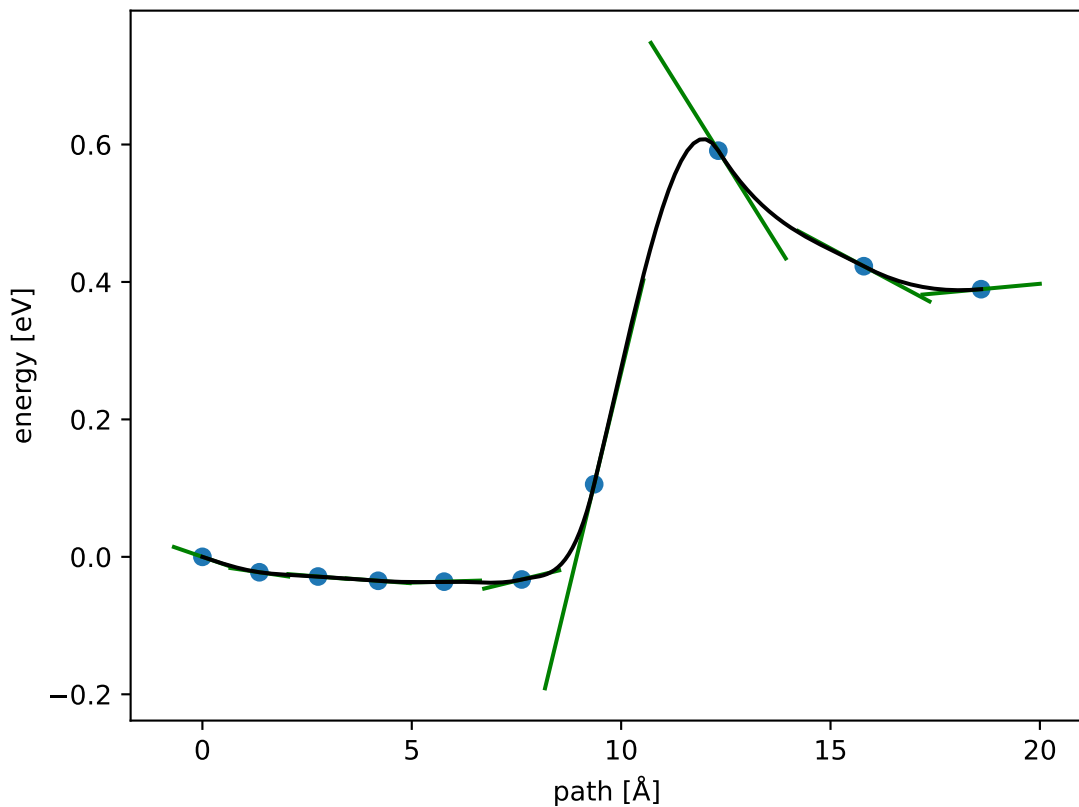
$$E_f \approx 0.592 \text{ eV}; E_r \approx 0.203 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



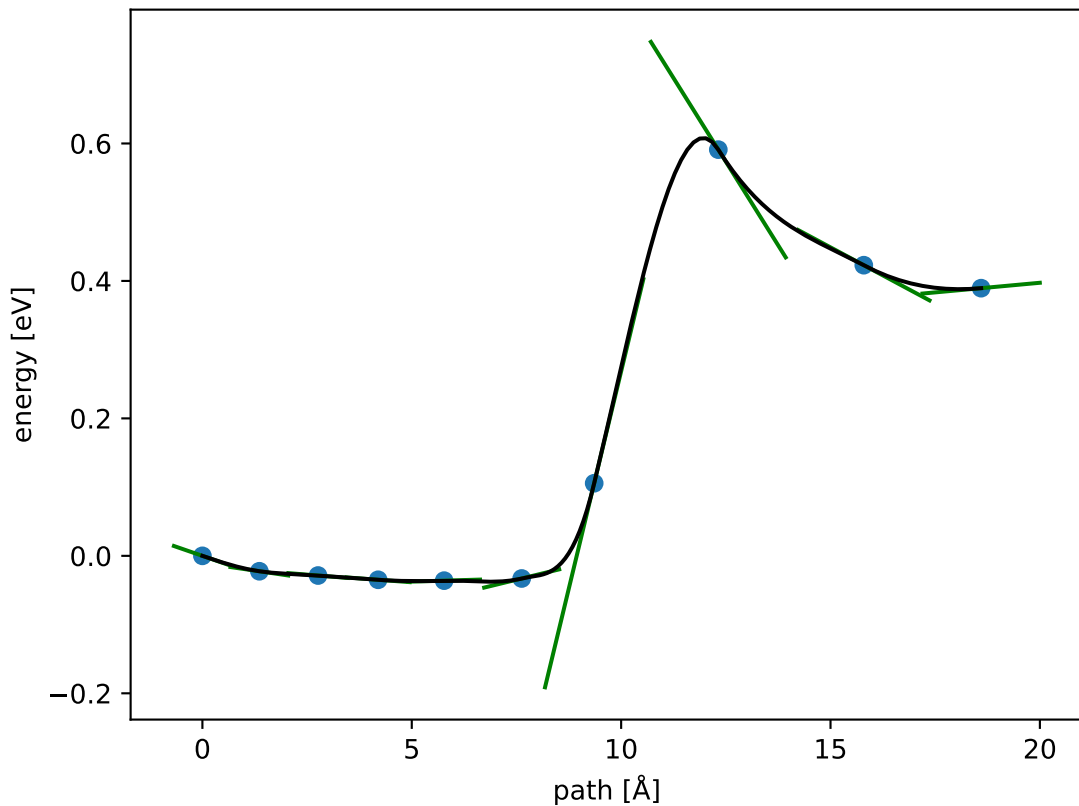
$$E_f \approx 0.593 \text{ eV}; E_r \approx 0.204 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



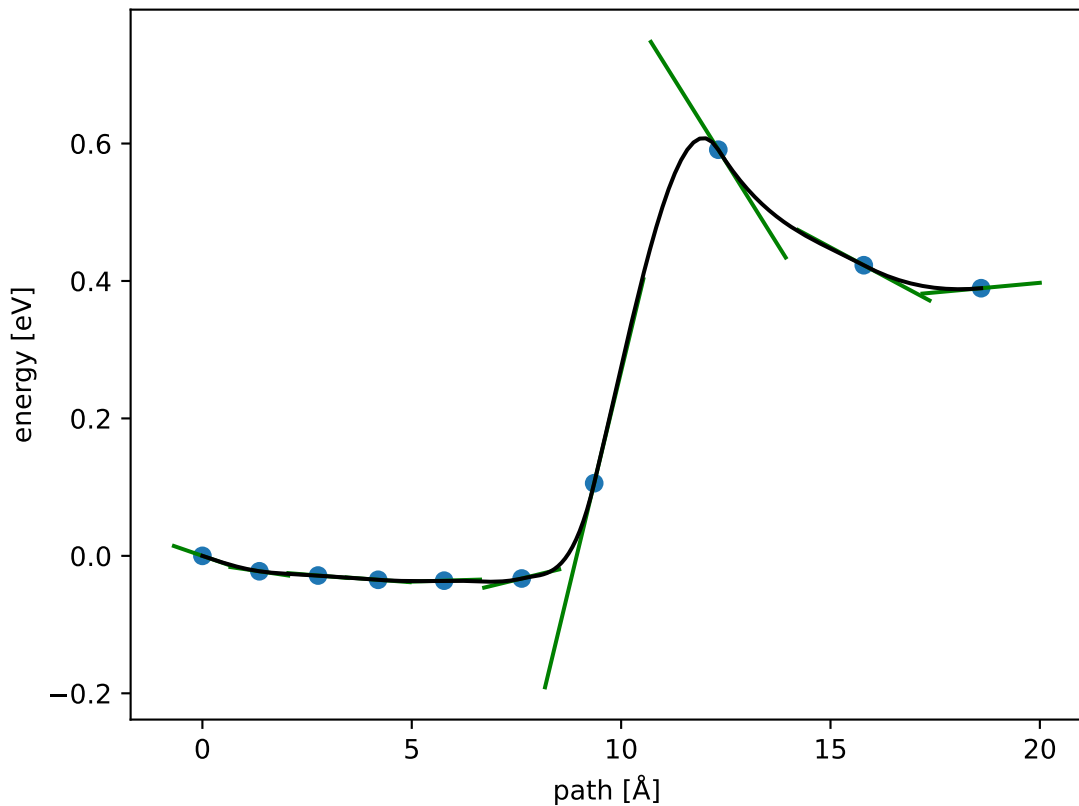
$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.202 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



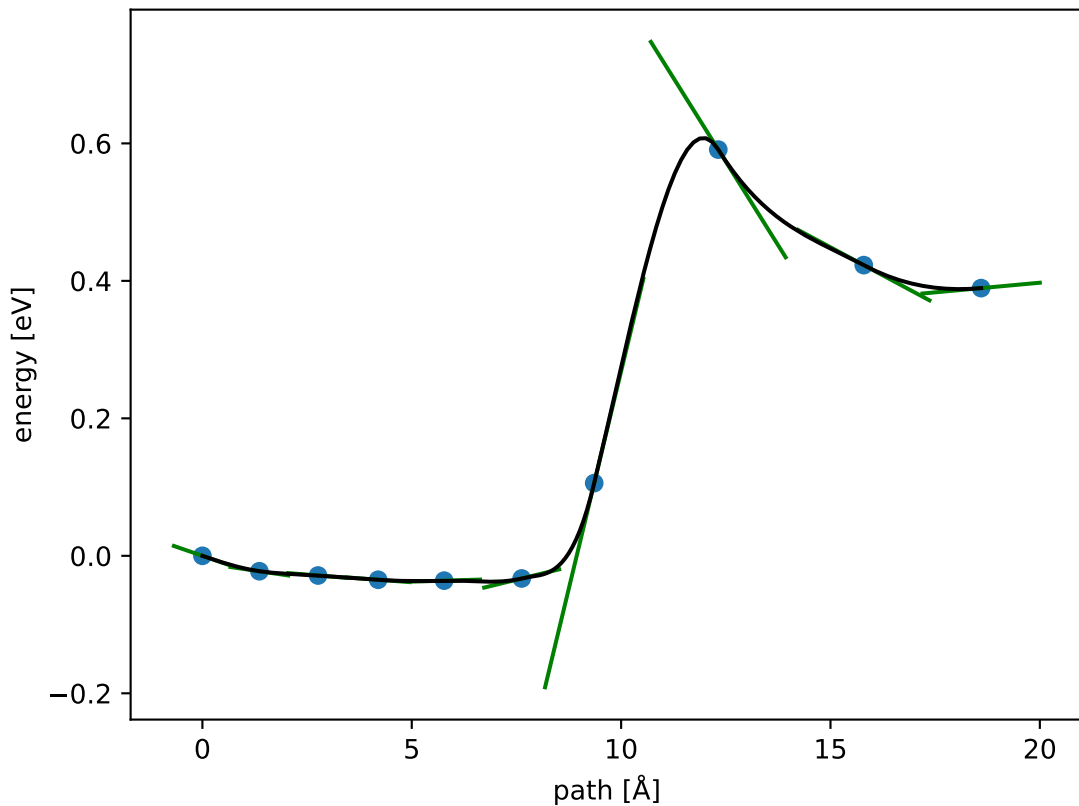
$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.202 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



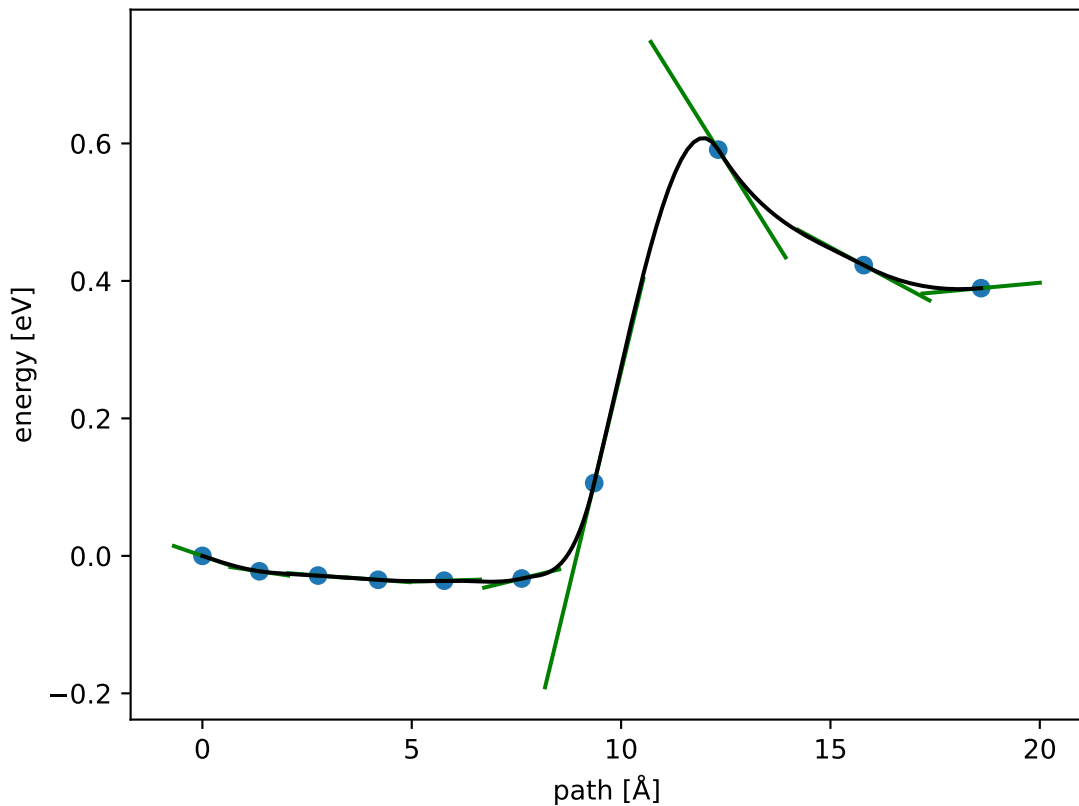
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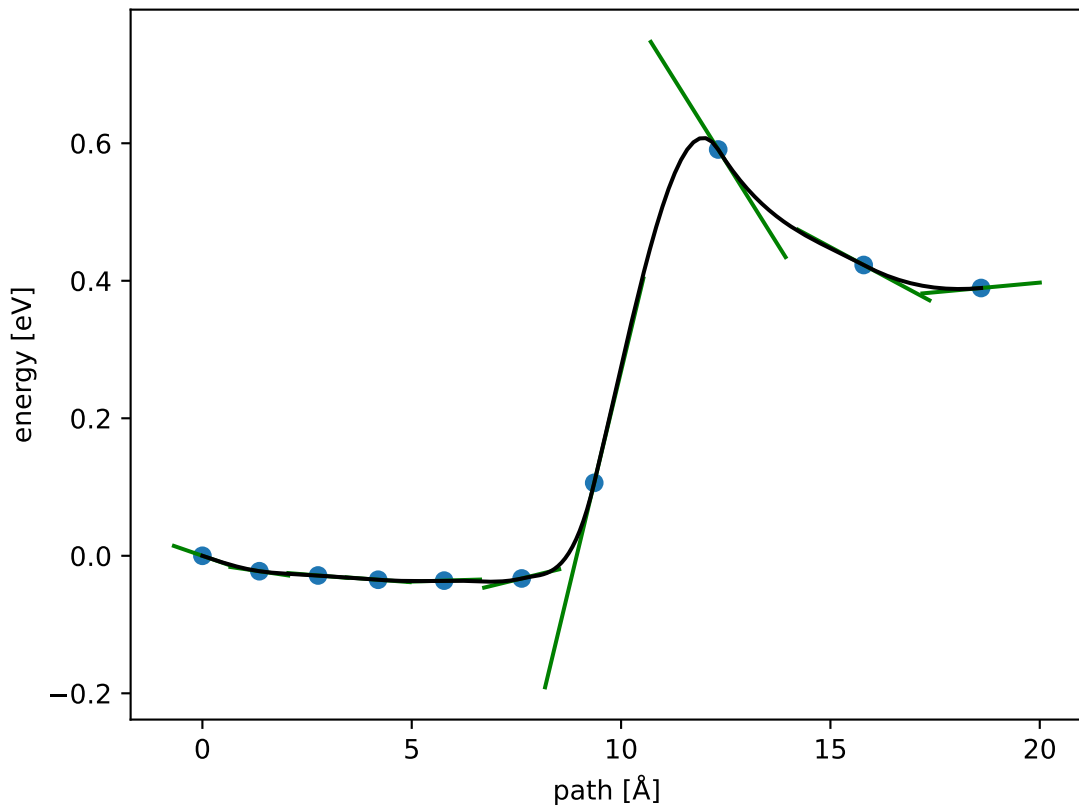


$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.201 \text{ eV}; \Delta E = 0.389 \text{ eV}$$

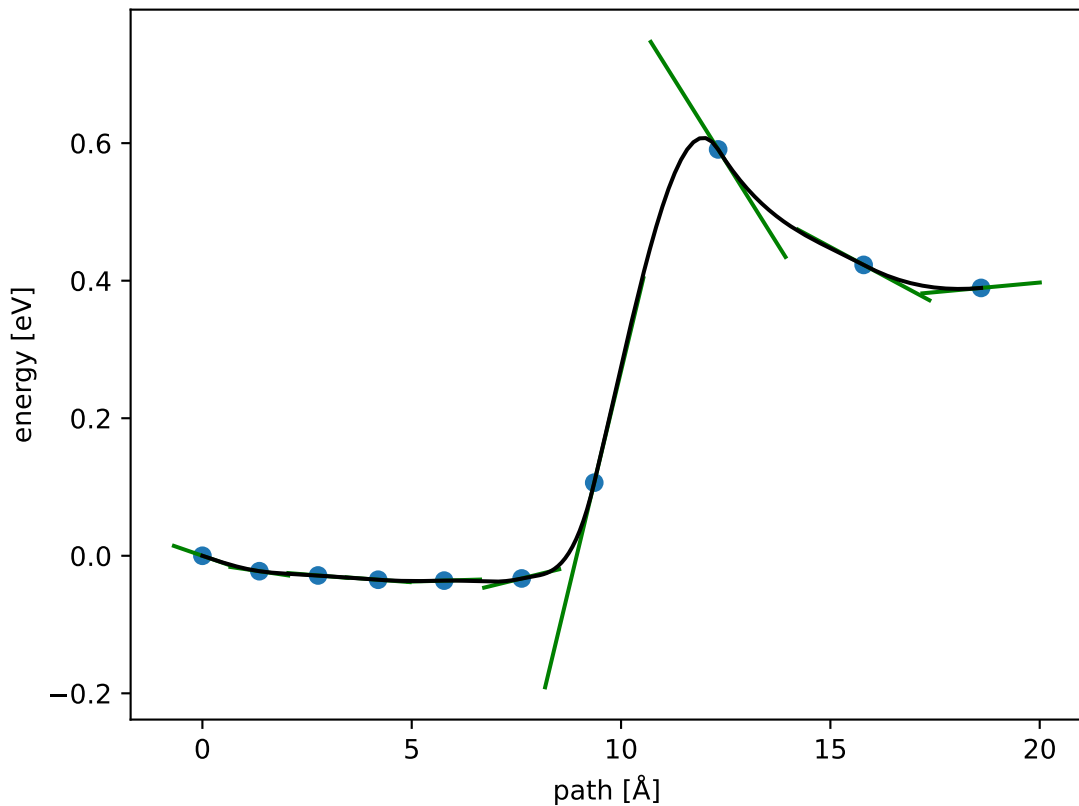




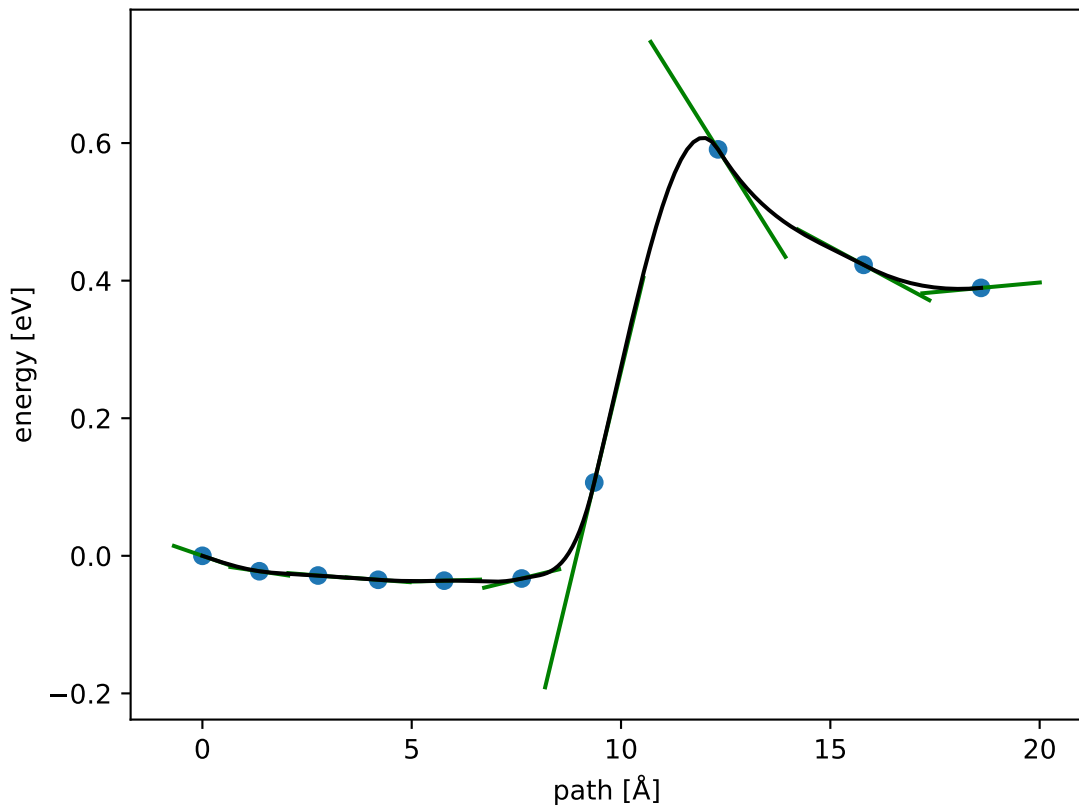
$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.201 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



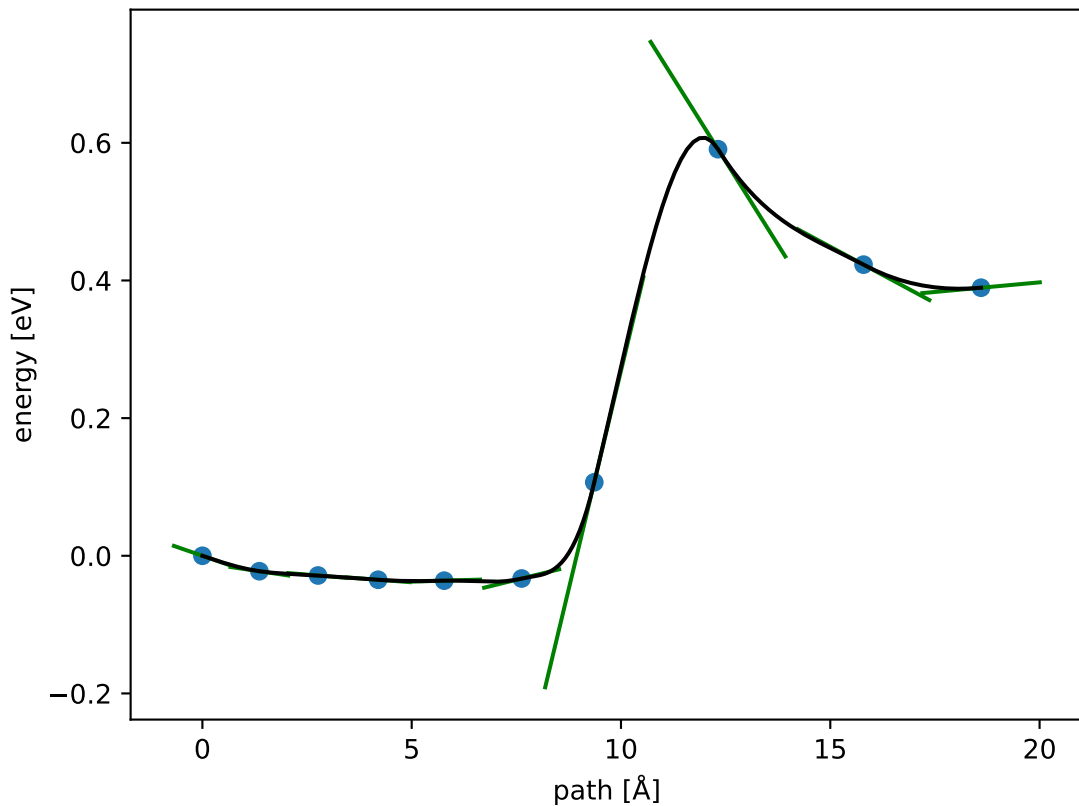
$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.201 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



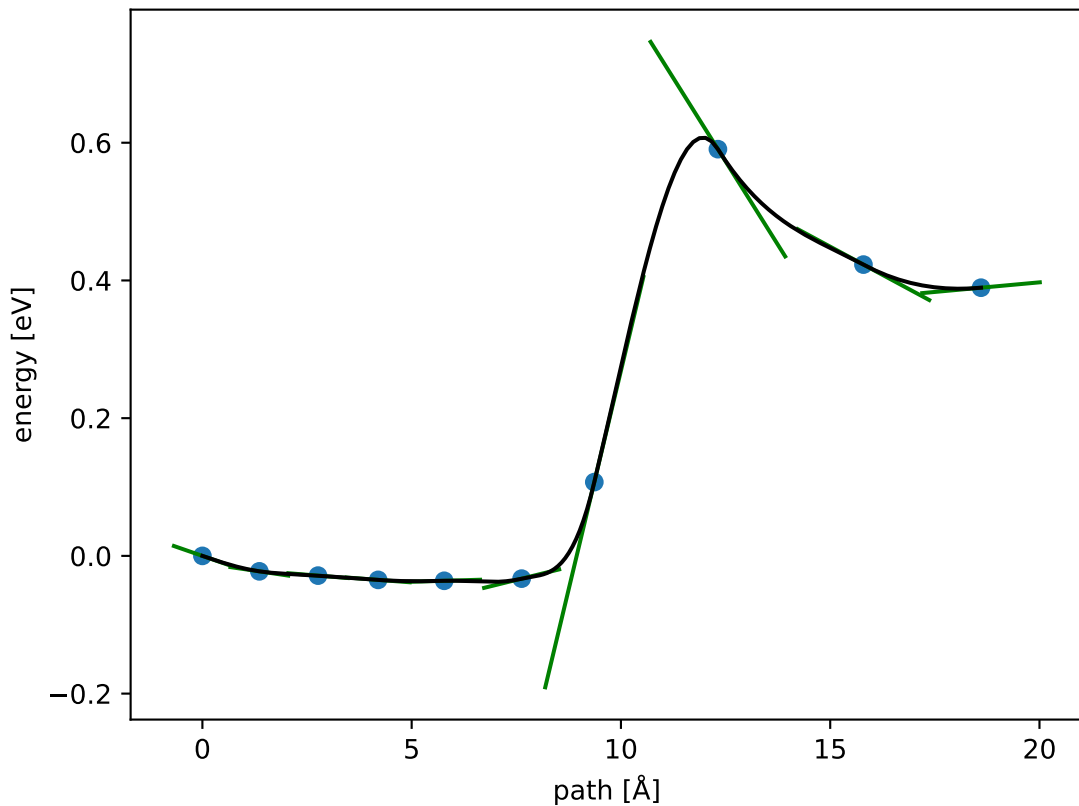
$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.201 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



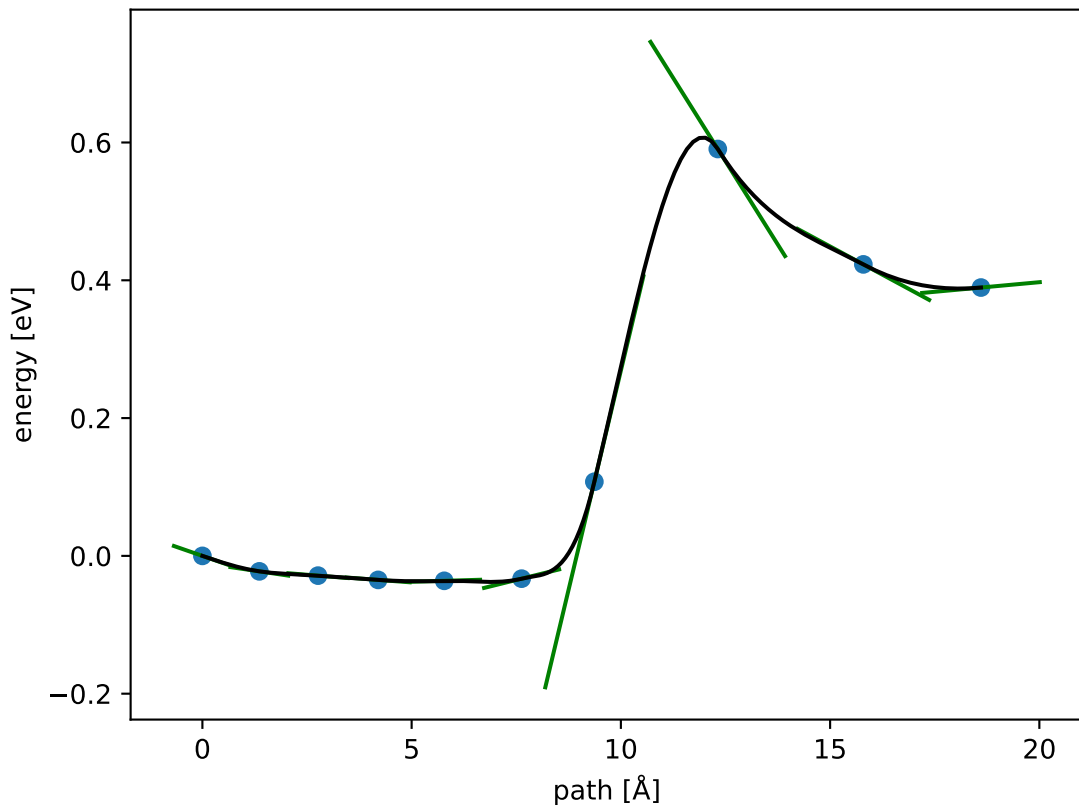
$$E_f \approx 0.591 \text{ eV}; E_r \approx 0.201 \text{ eV}; \Delta E = 0.389 \text{ eV}$$



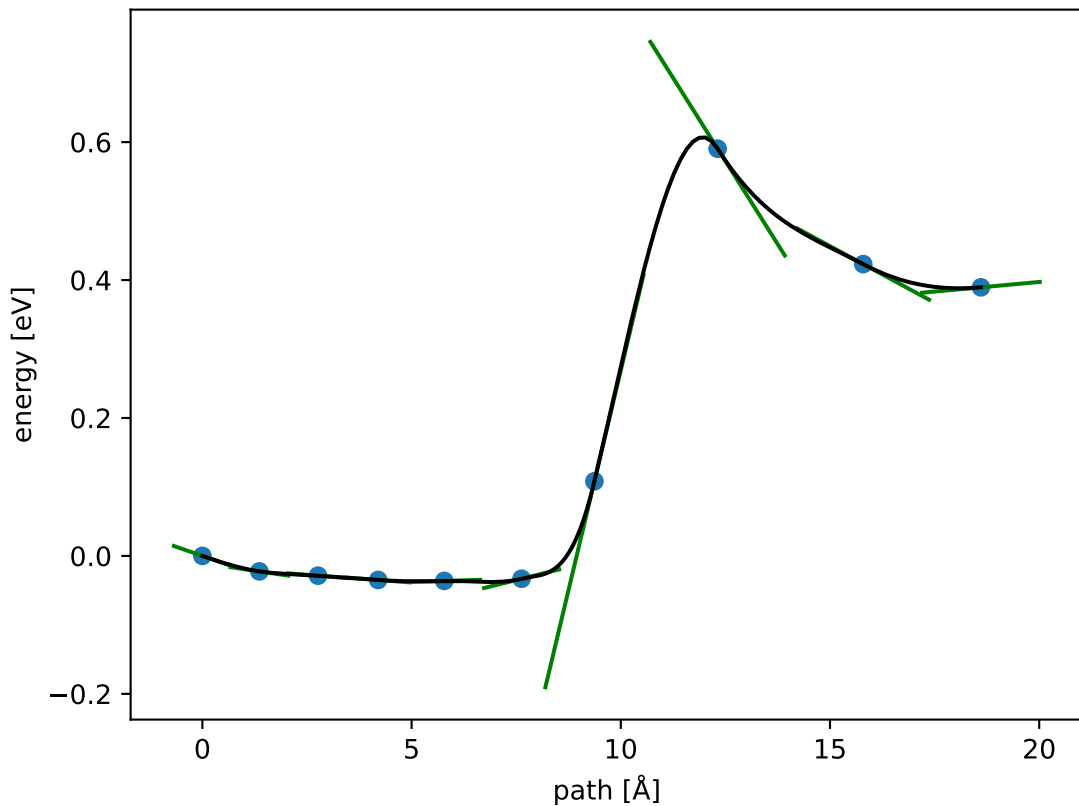
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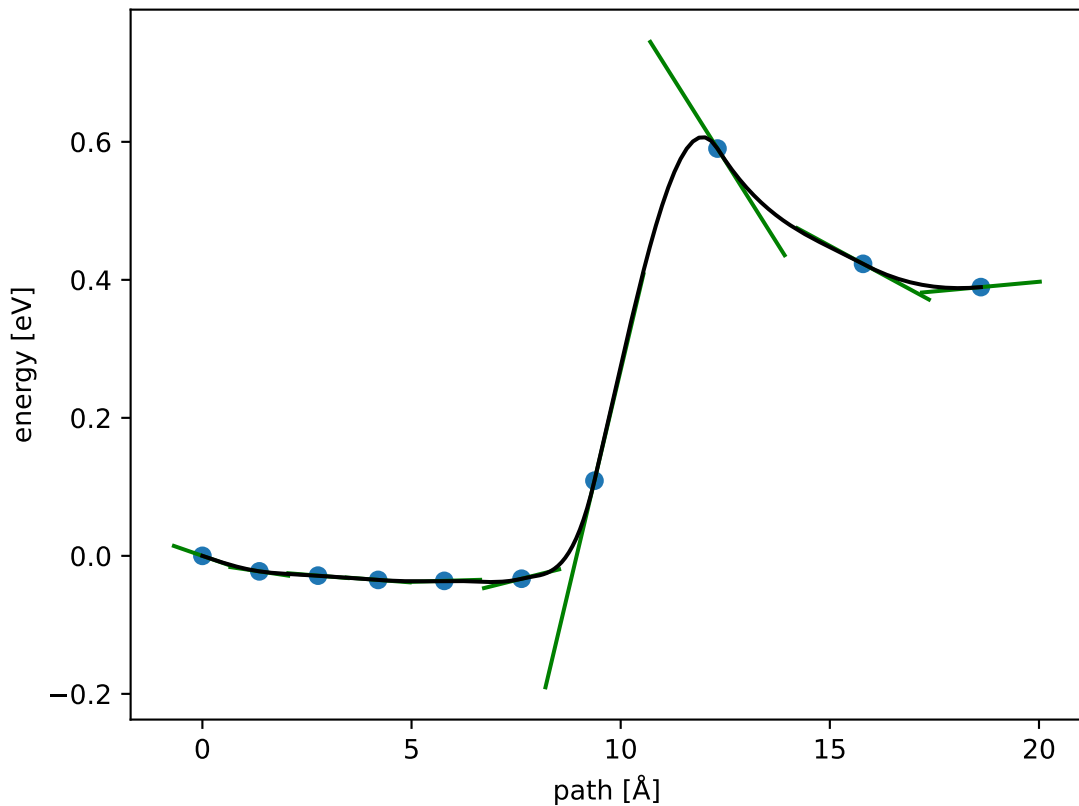
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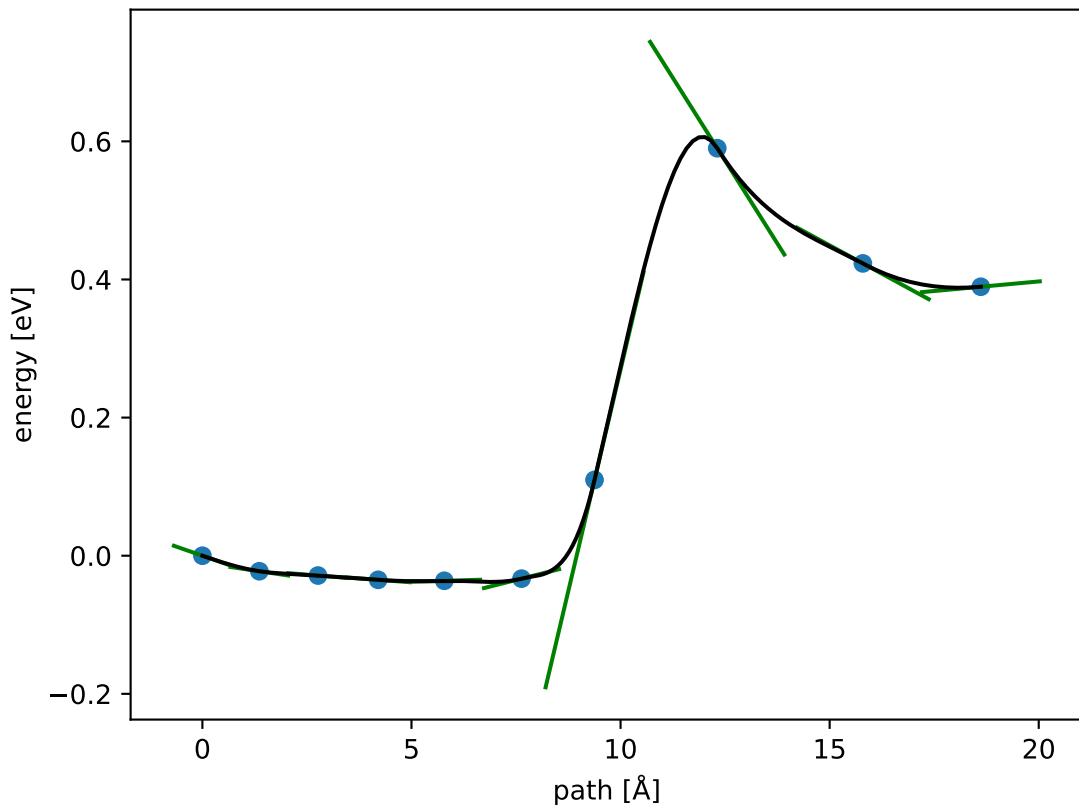


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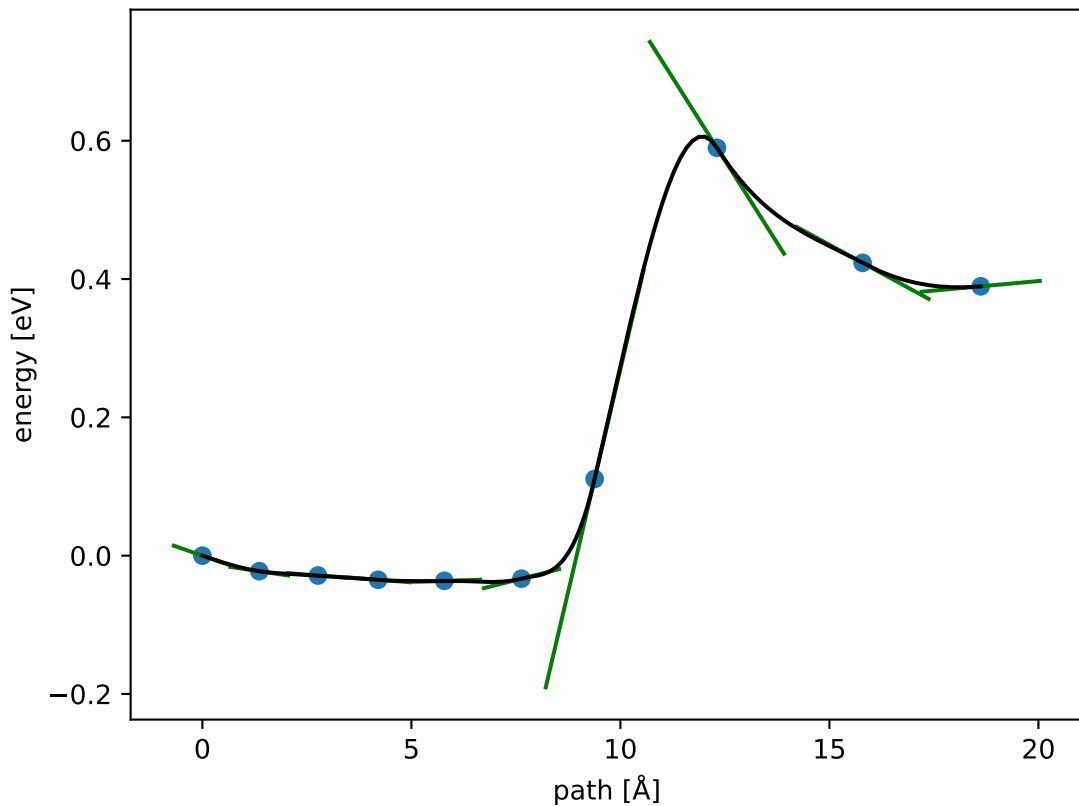




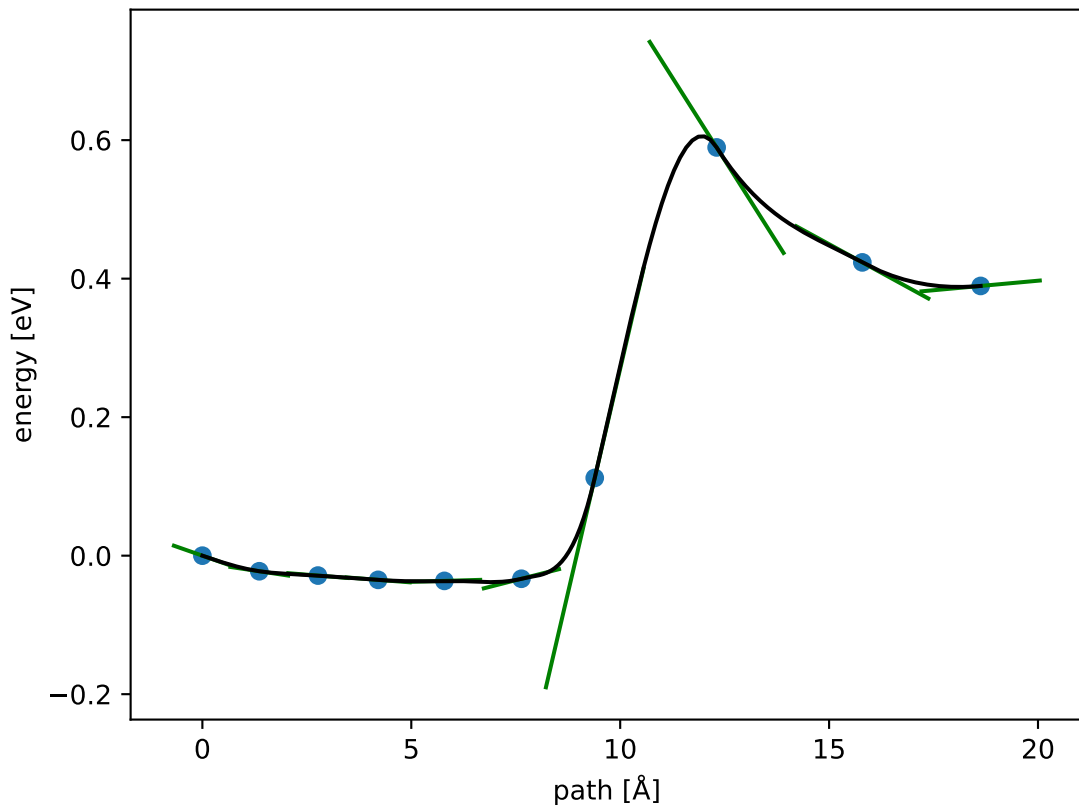
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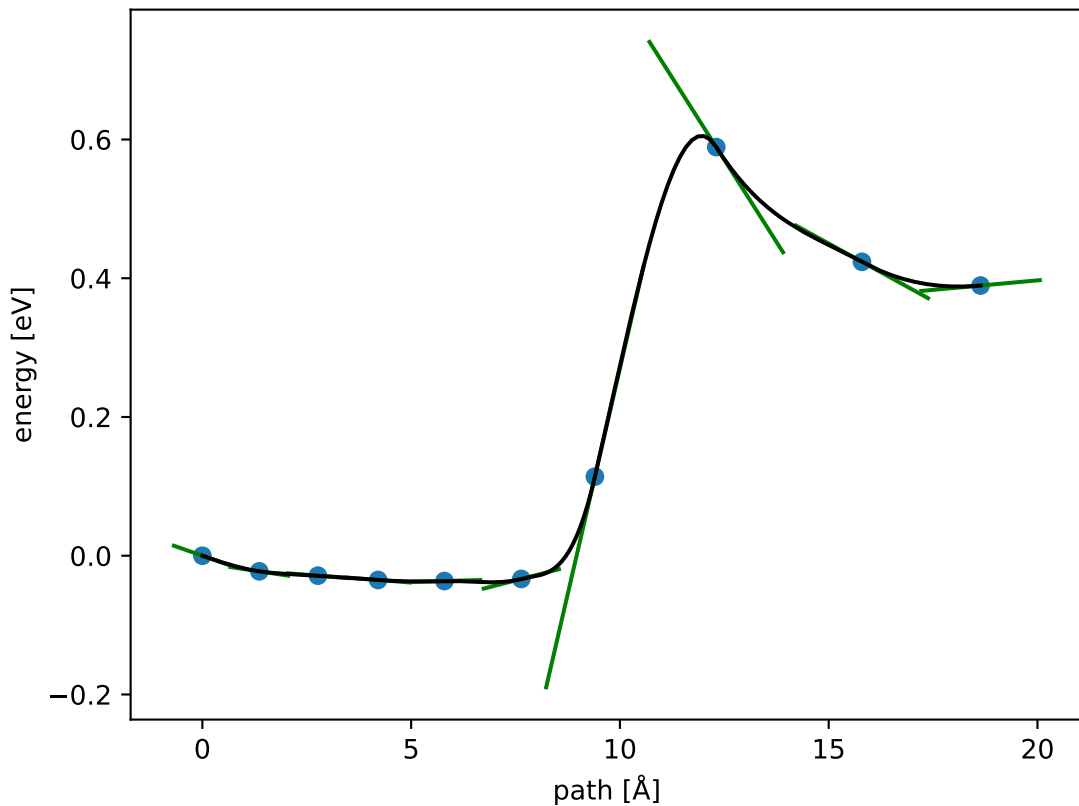
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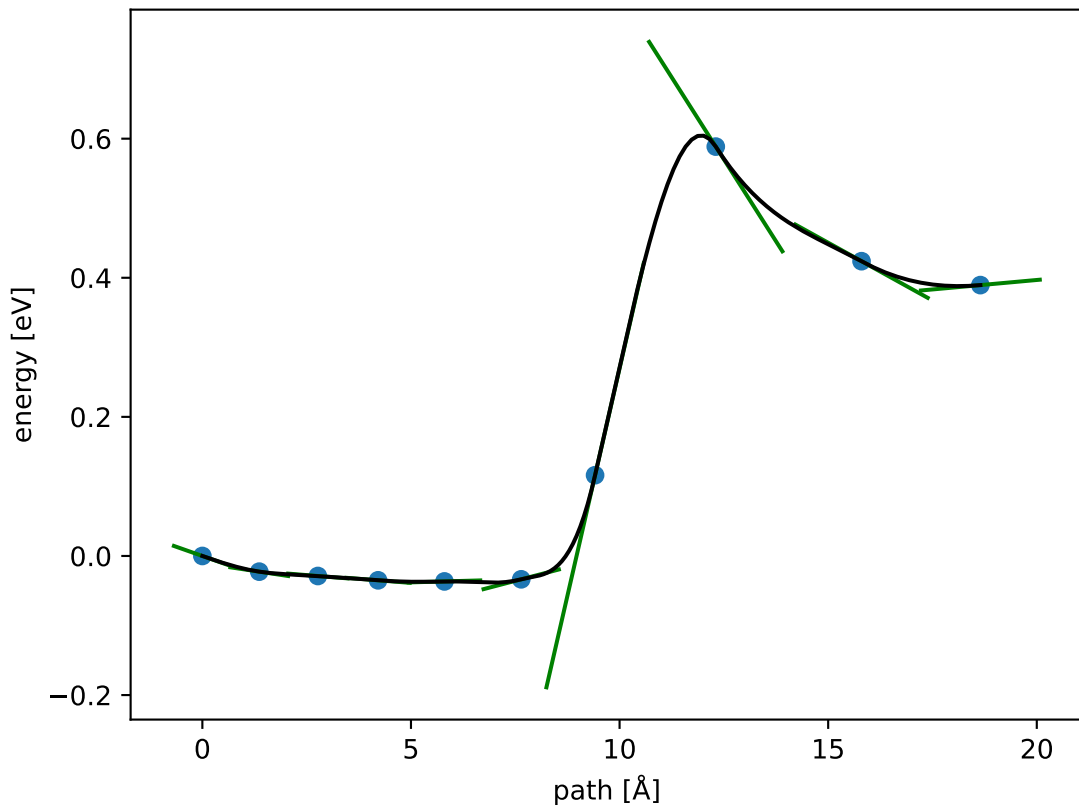
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