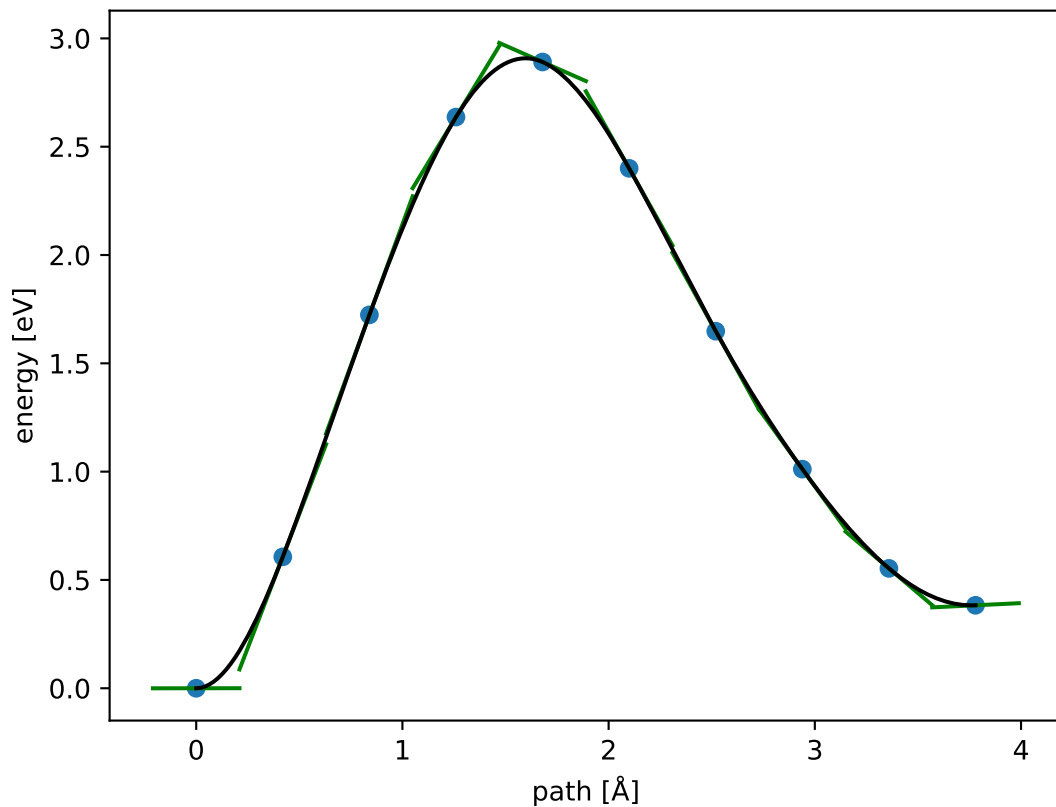
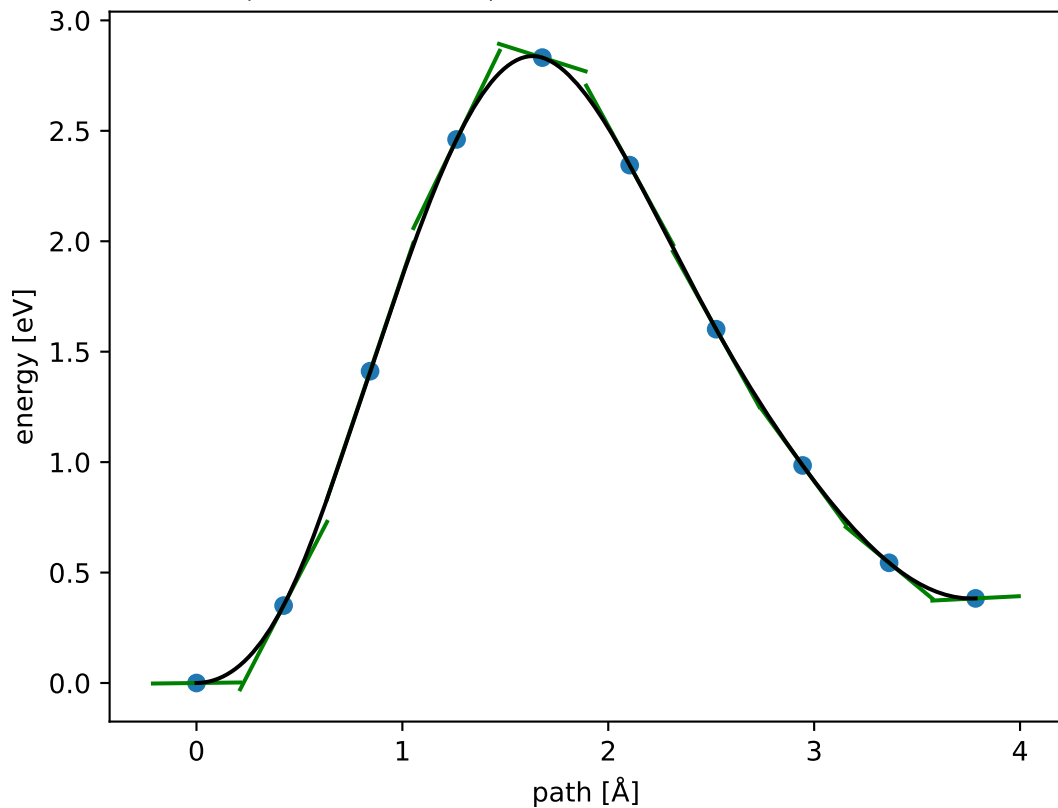


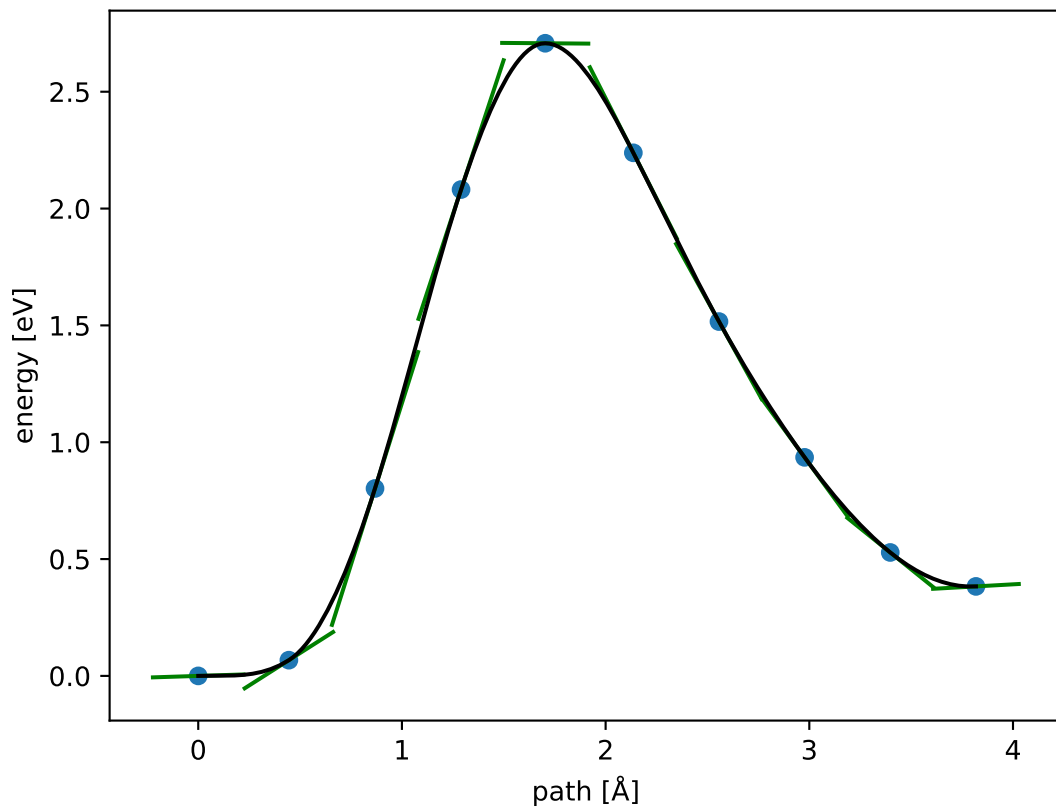
$$E_f \approx 2.891 \text{ eV}; E_r \approx 2.508 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



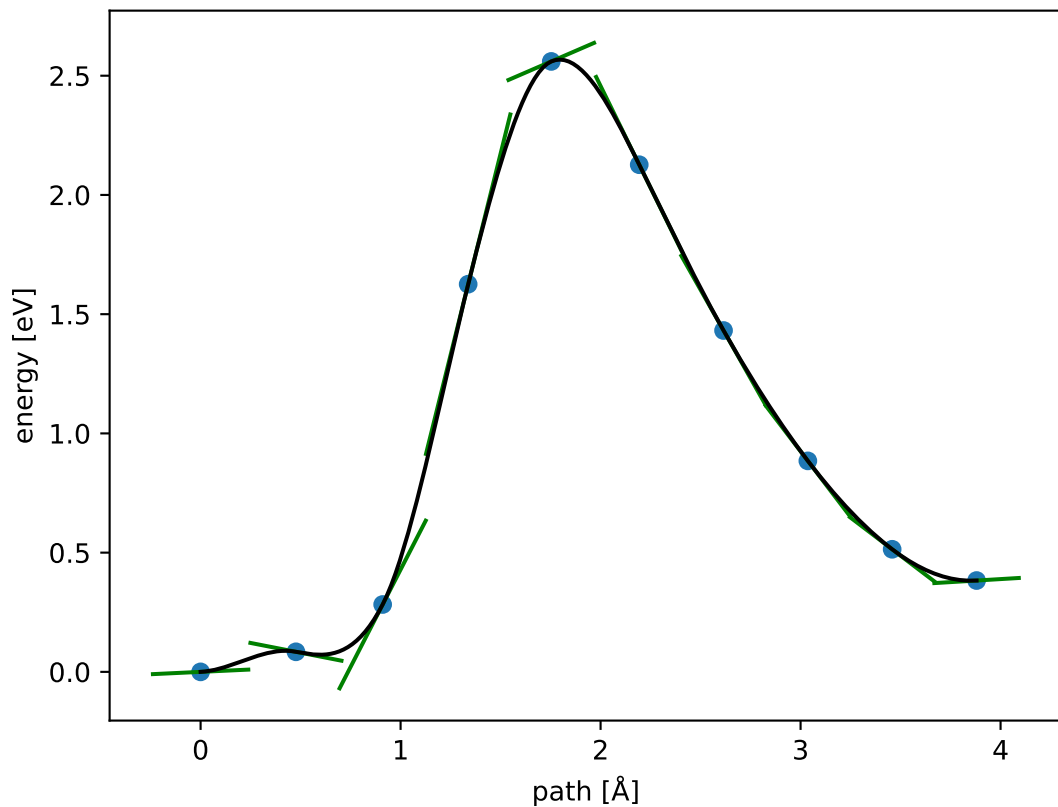
$$E_f \approx 2.832 \text{ eV}; E_r \approx 2.449 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



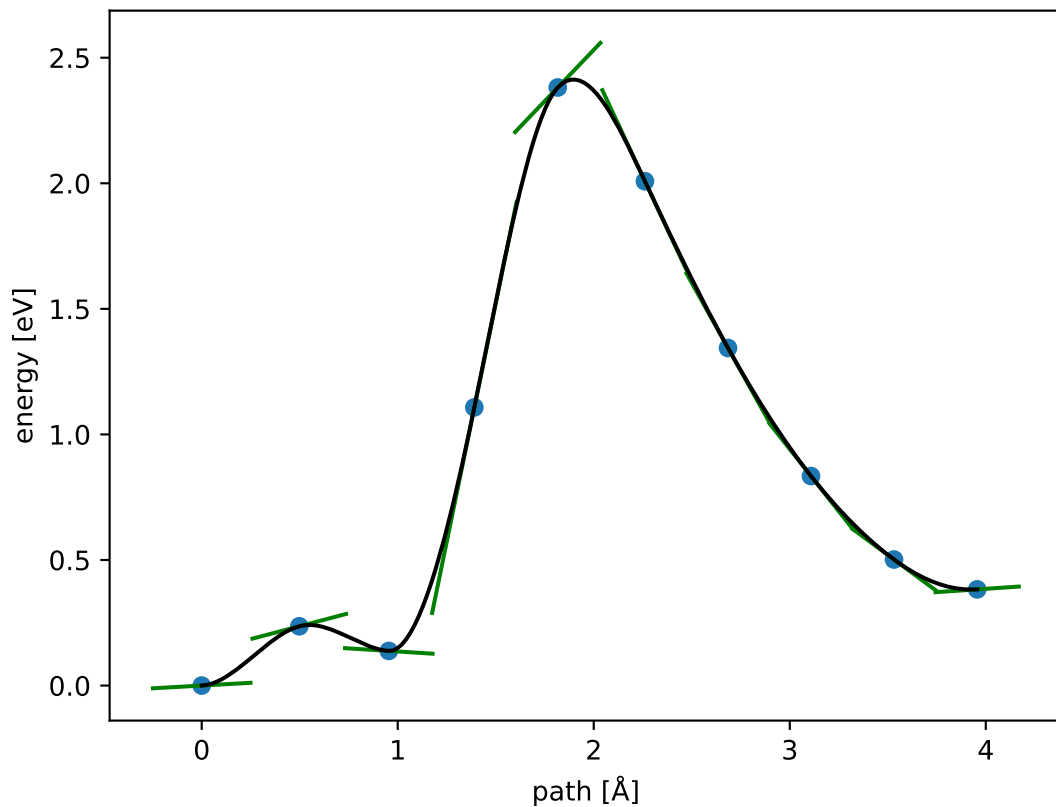
$$E_f \approx 2.707 \text{ eV}; E_r \approx 2.324 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



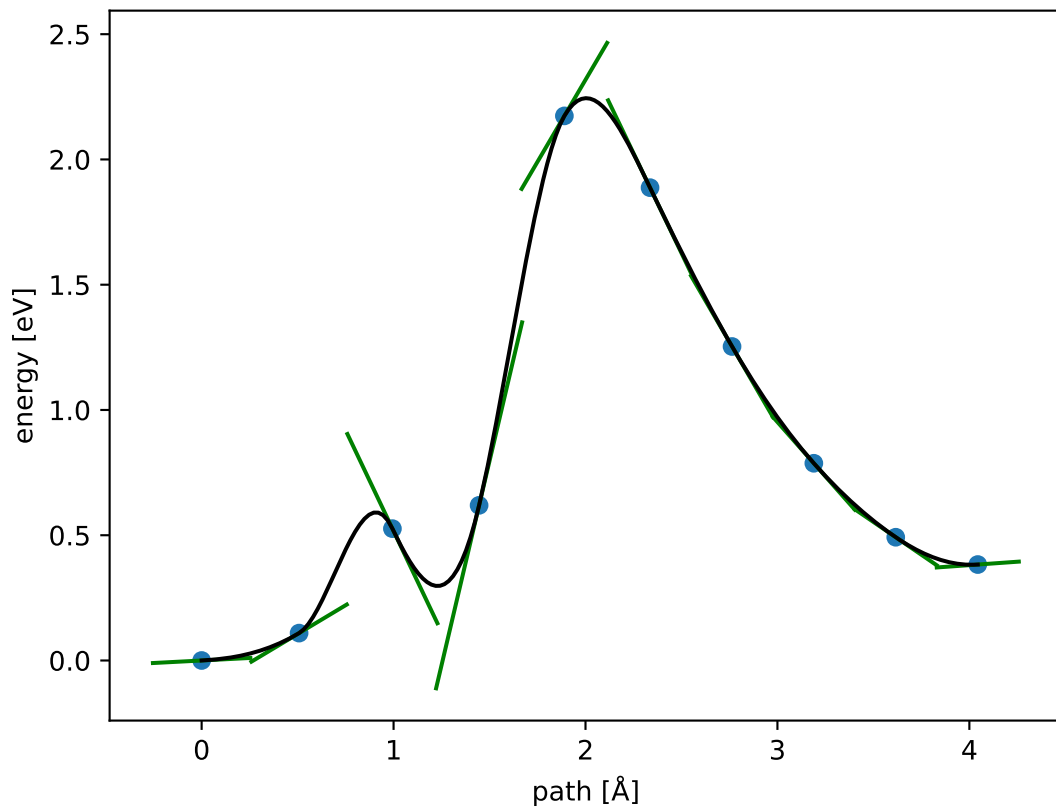
$$E_f \approx 2.560 \text{ eV}; E_r \approx 2.177 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



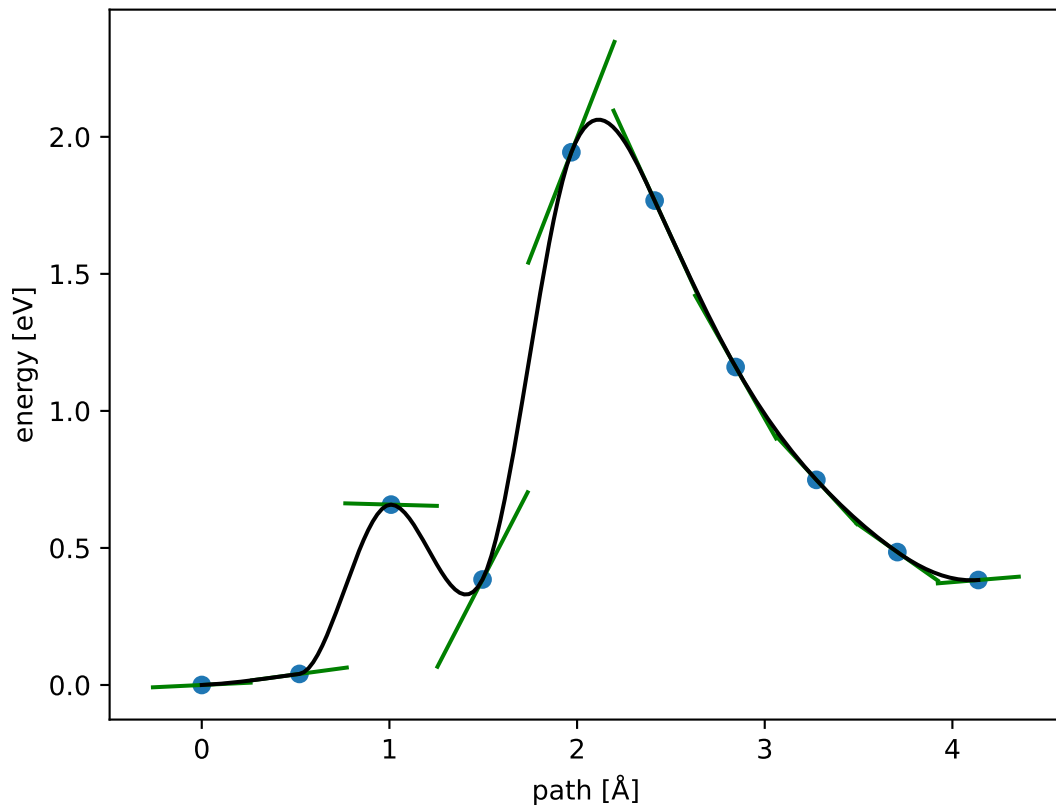
$$E_f \approx 2.381 \text{ eV}; E_r \approx 1.998 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



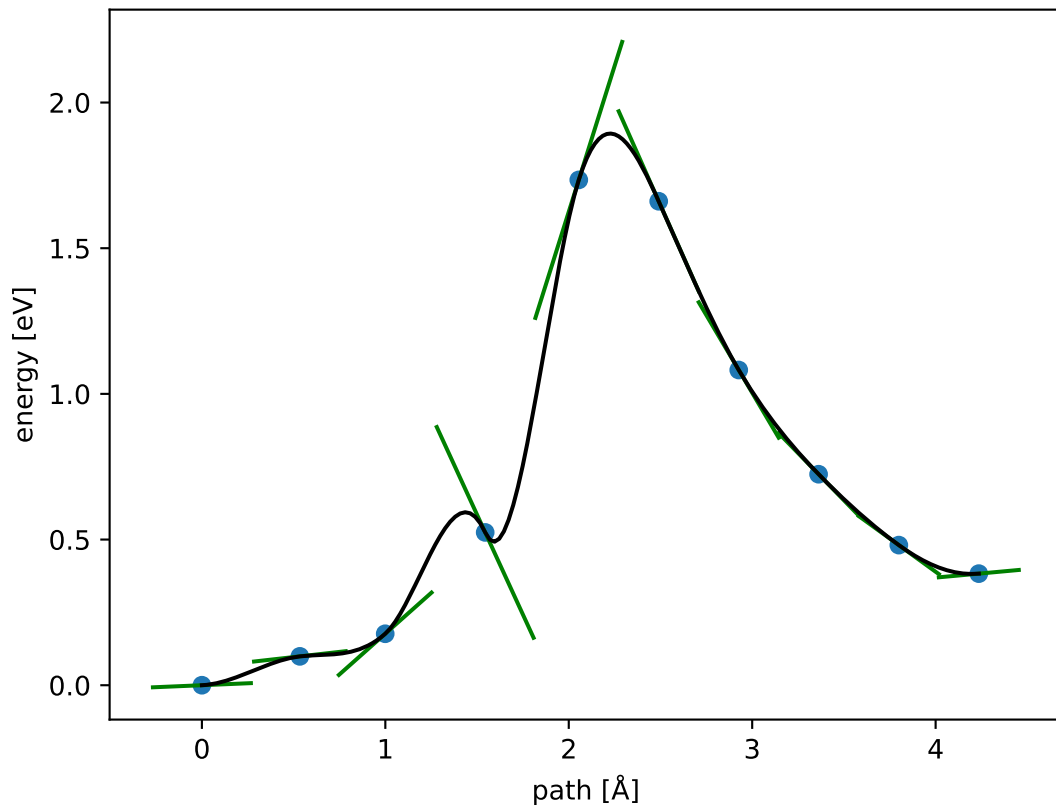
$$E_f \approx 2.174 \text{ eV}; E_r \approx 1.791 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.944 \text{ eV}; E_r \approx 1.561 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

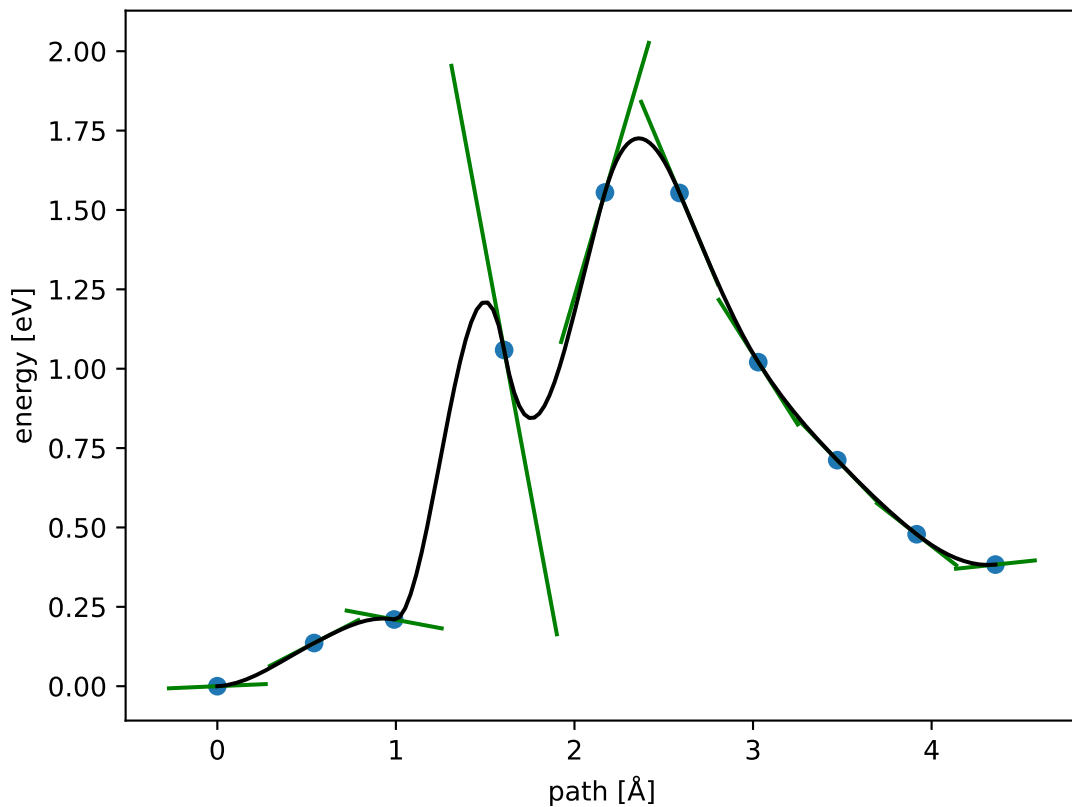


$$E_f \approx 1.734 \text{ eV}; E_r \approx 1.351 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

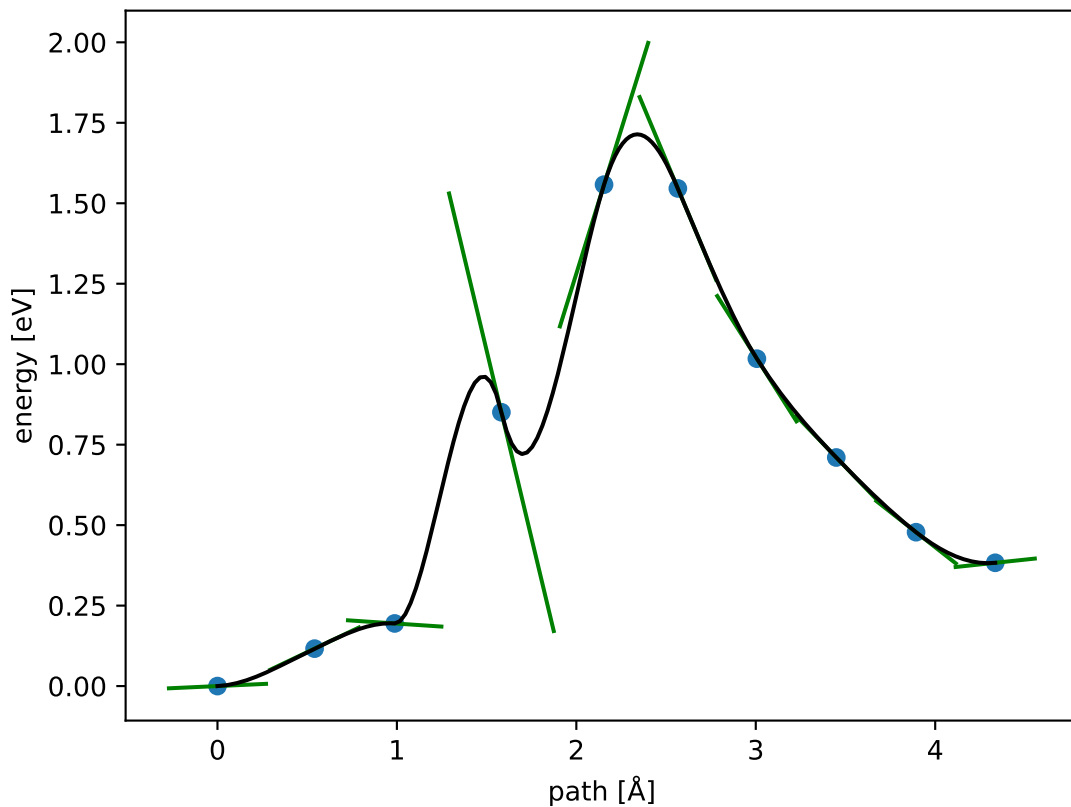




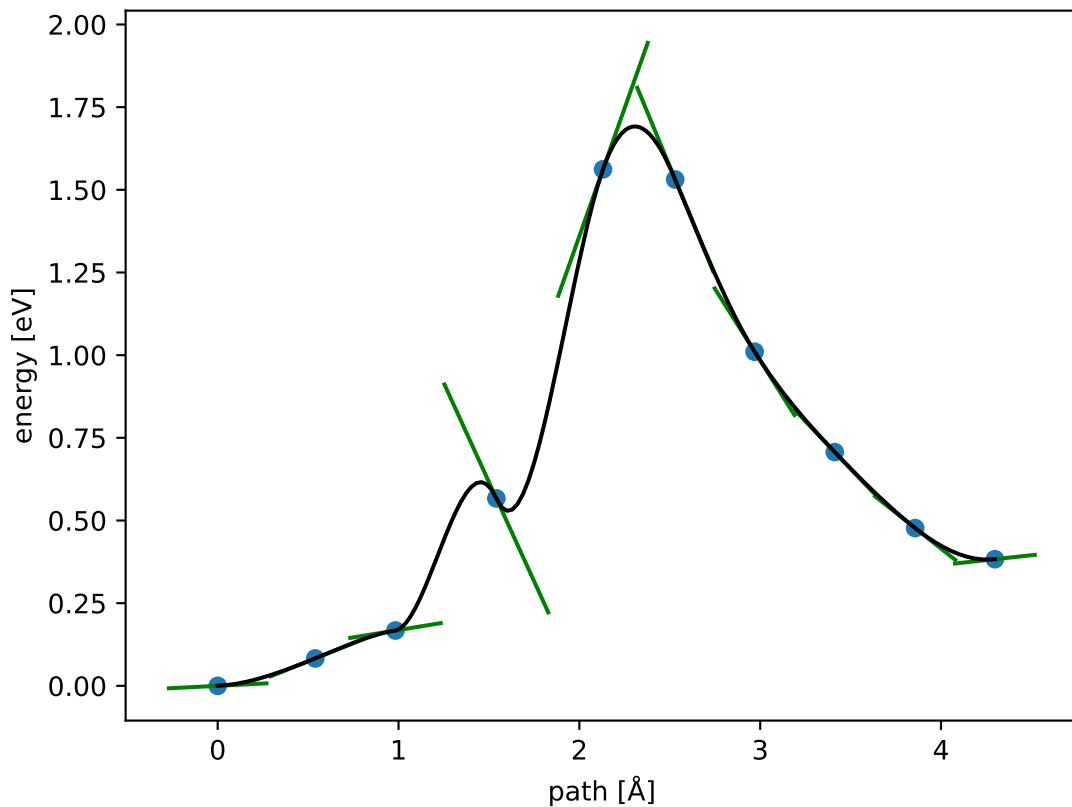
$$E_f \approx 1.555 \text{ eV}; E_r \approx 1.172 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



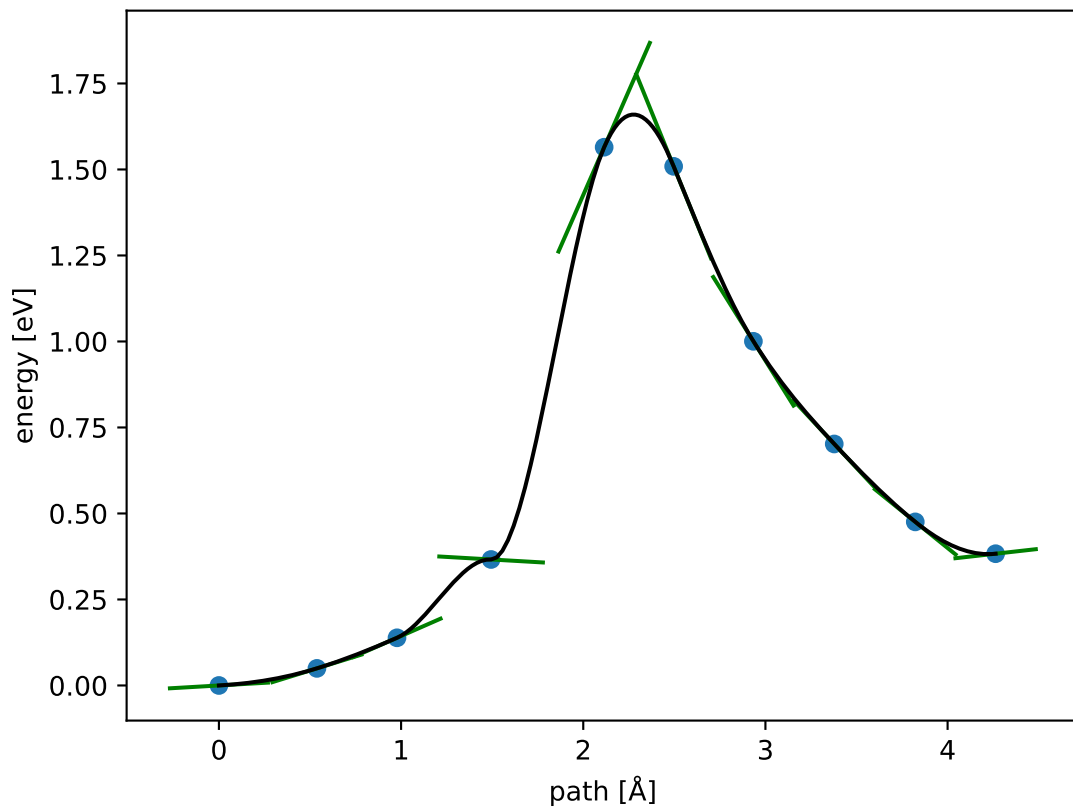
$$E_f \approx 1.558 \text{ eV}; E_r \approx 1.175 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



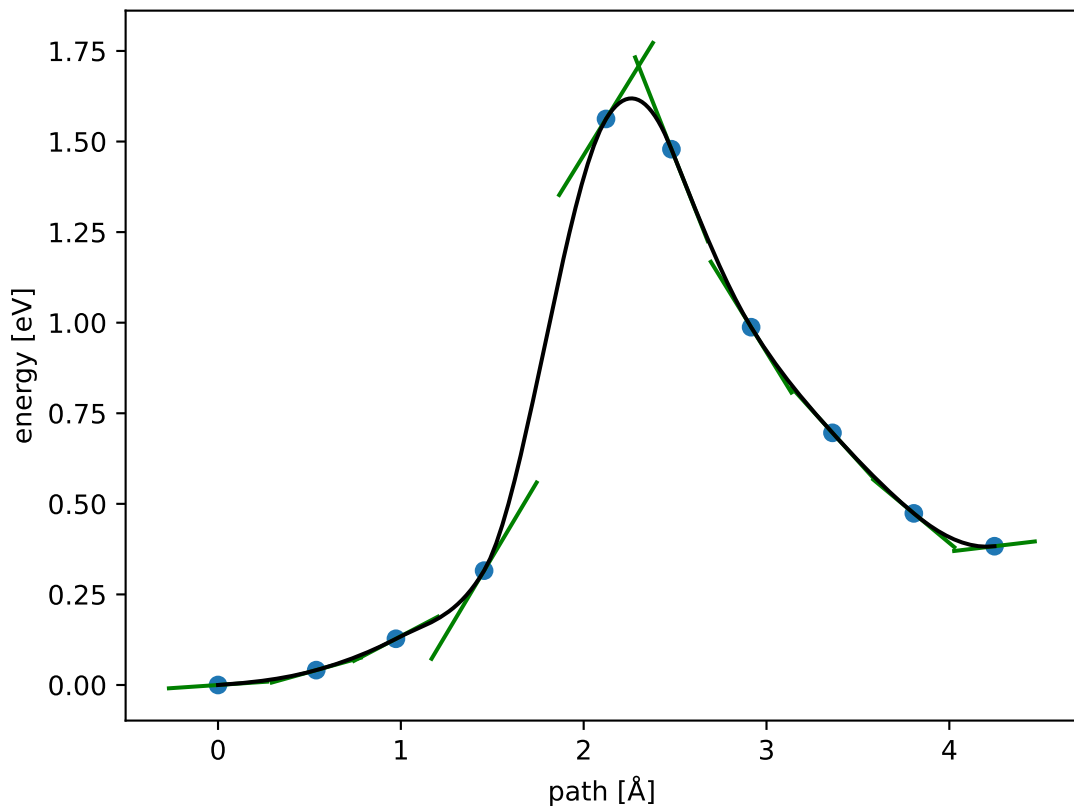
$$E_f \approx 1.562 \text{ eV}; E_r \approx 1.179 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



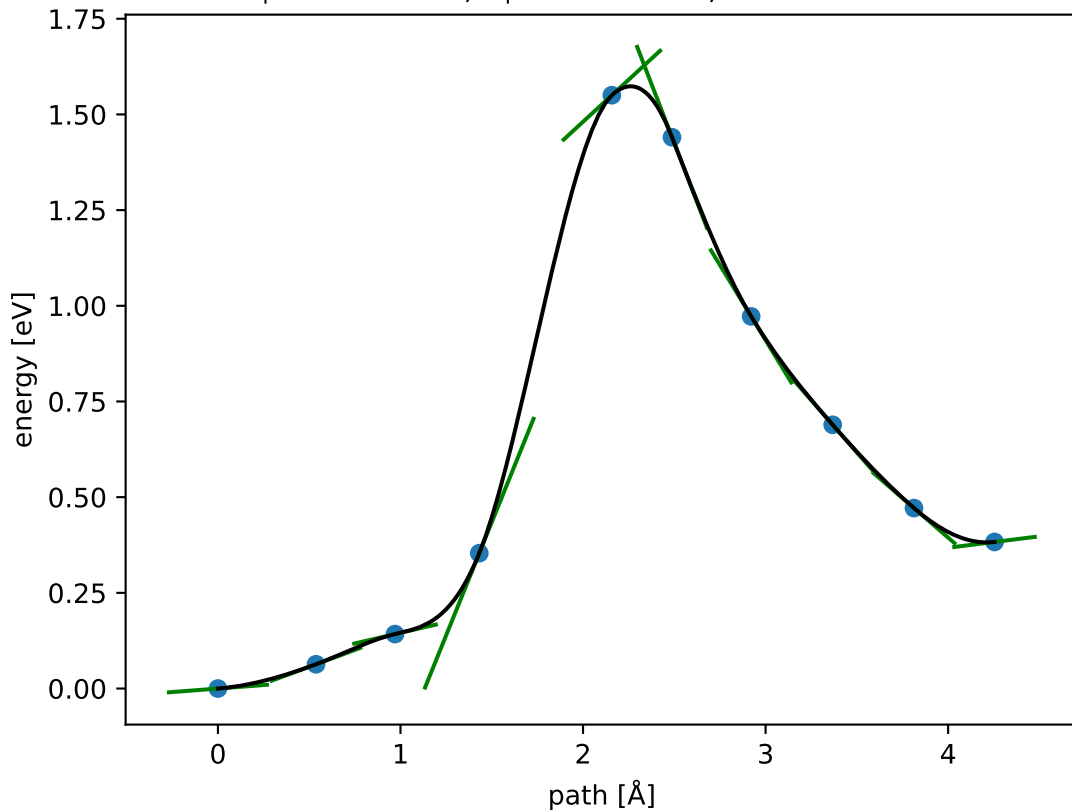
$$E_f \approx 1.565 \text{ eV}; E_r \approx 1.182 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



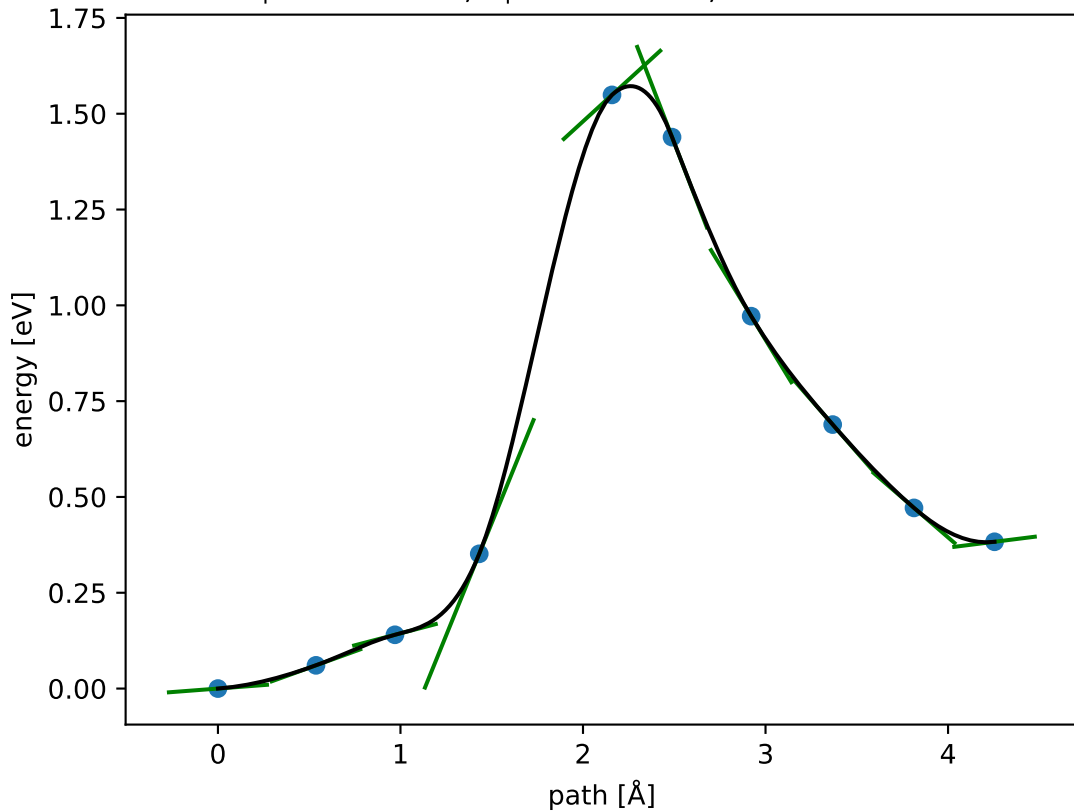
$$E_f \approx 1.562 \text{ eV}; E_r \approx 1.179 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



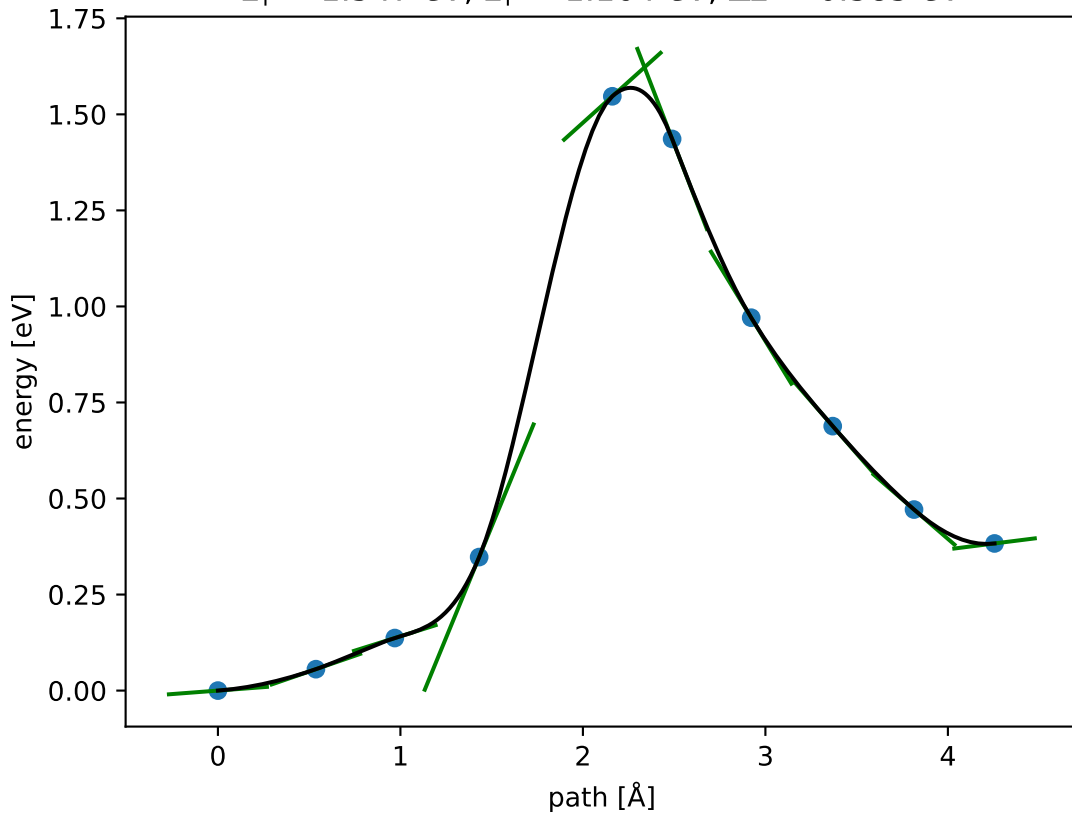
$$E_f \approx 1.550 \text{ eV}; E_r \approx 1.167 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.549 \text{ eV}; E_r \approx 1.166 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

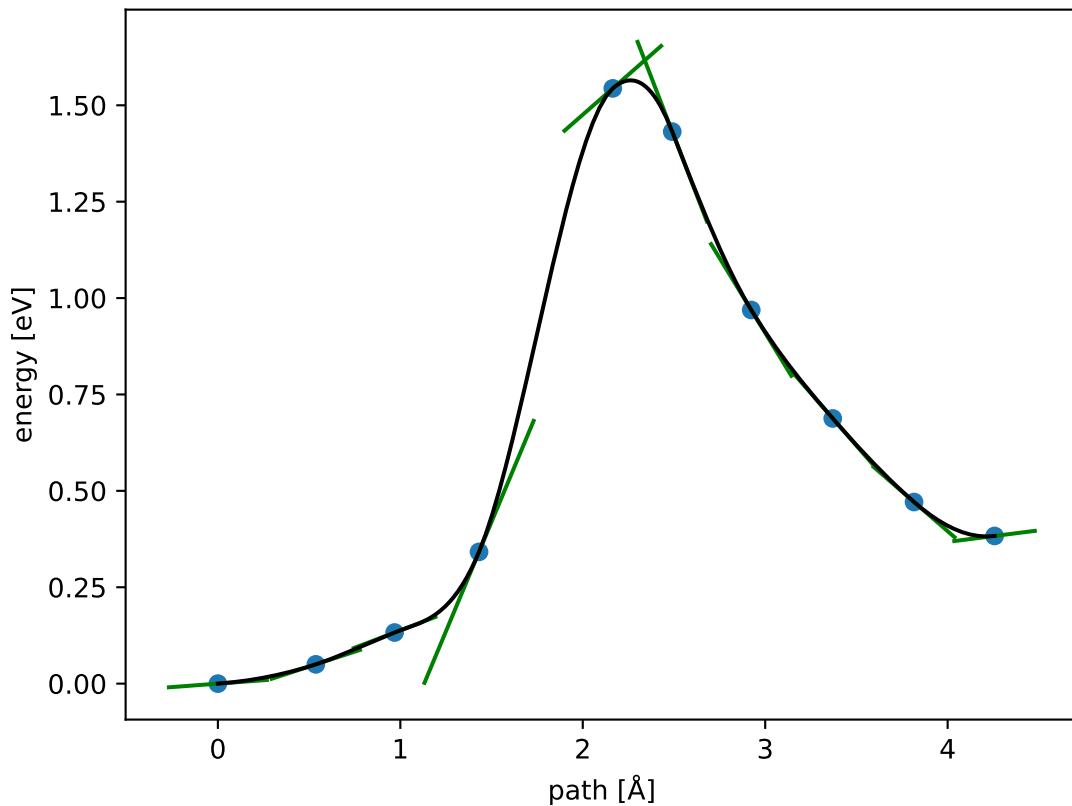


$$E_f \approx 1.547 \text{ eV}; E_r \approx 1.164 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

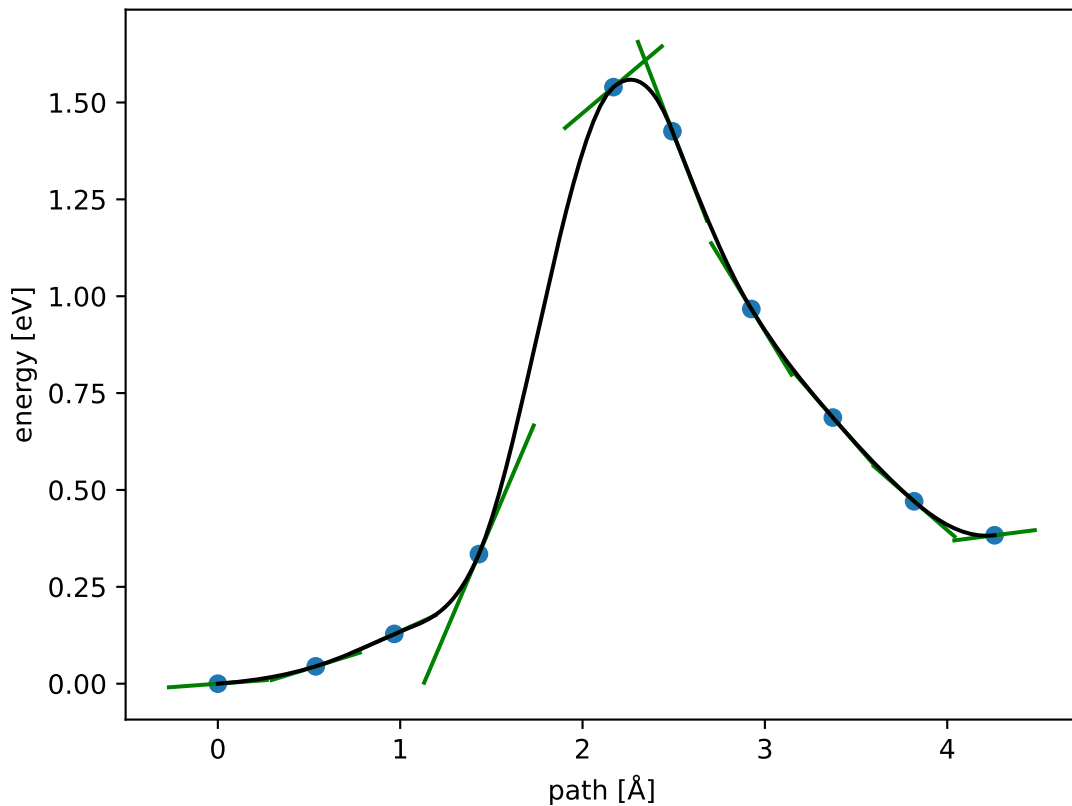




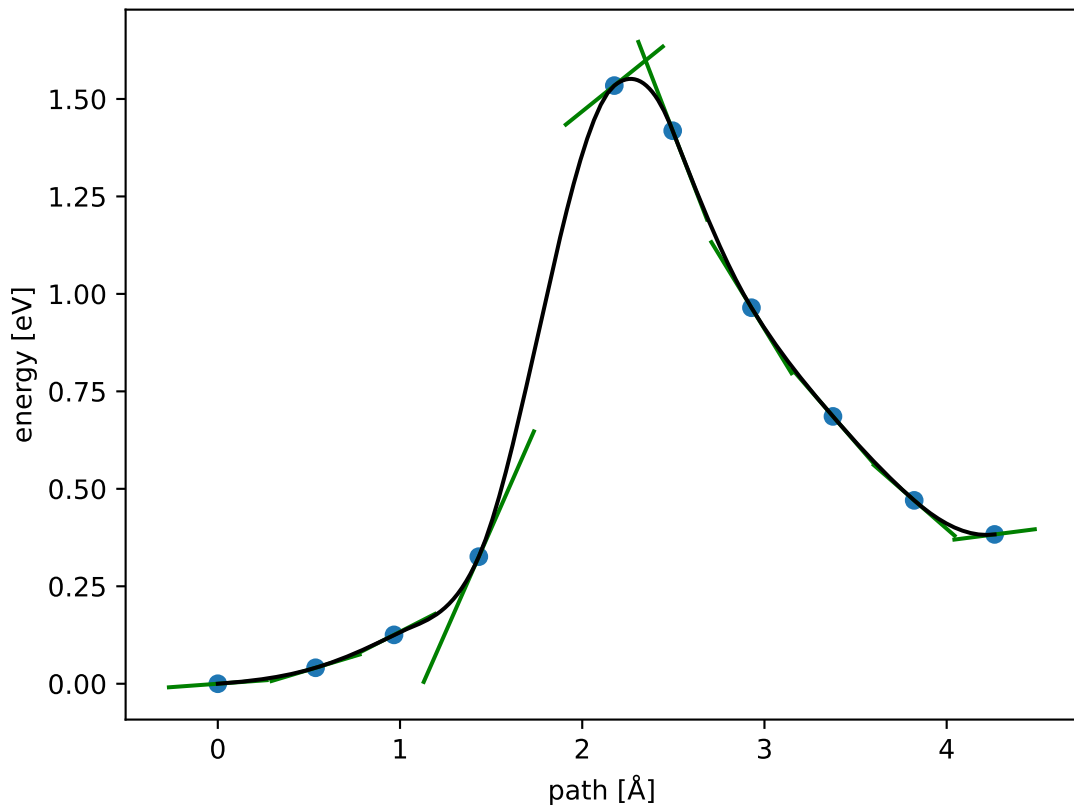
$$E_f \approx 1.544 \text{ eV}; E_r \approx 1.161 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



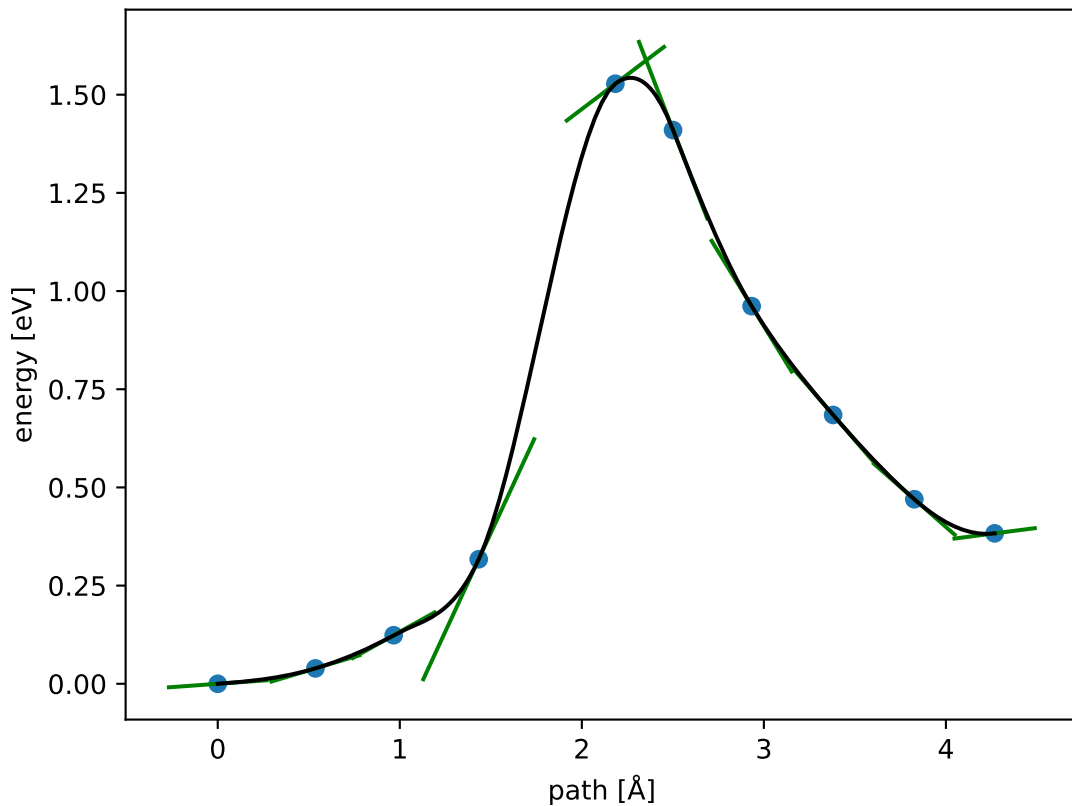
$$E_f \approx 1.540 \text{ eV}; E_r \approx 1.157 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



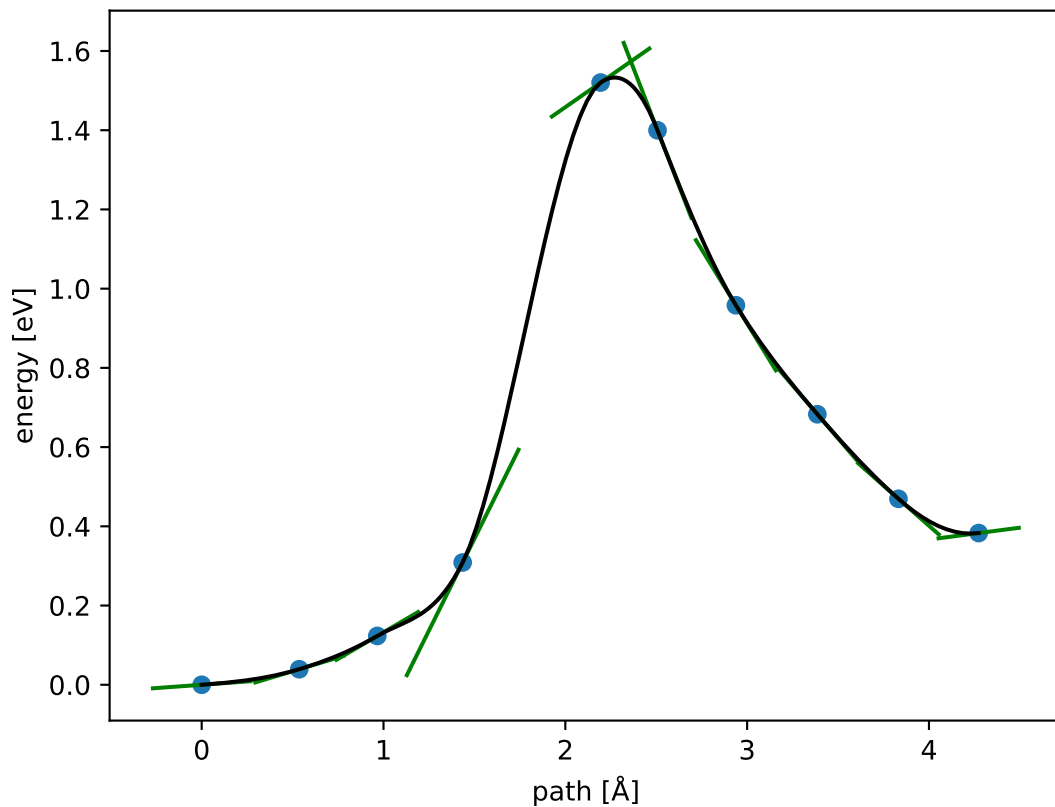
$$E_f \approx 1.534 \text{ eV}; E_r \approx 1.151 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



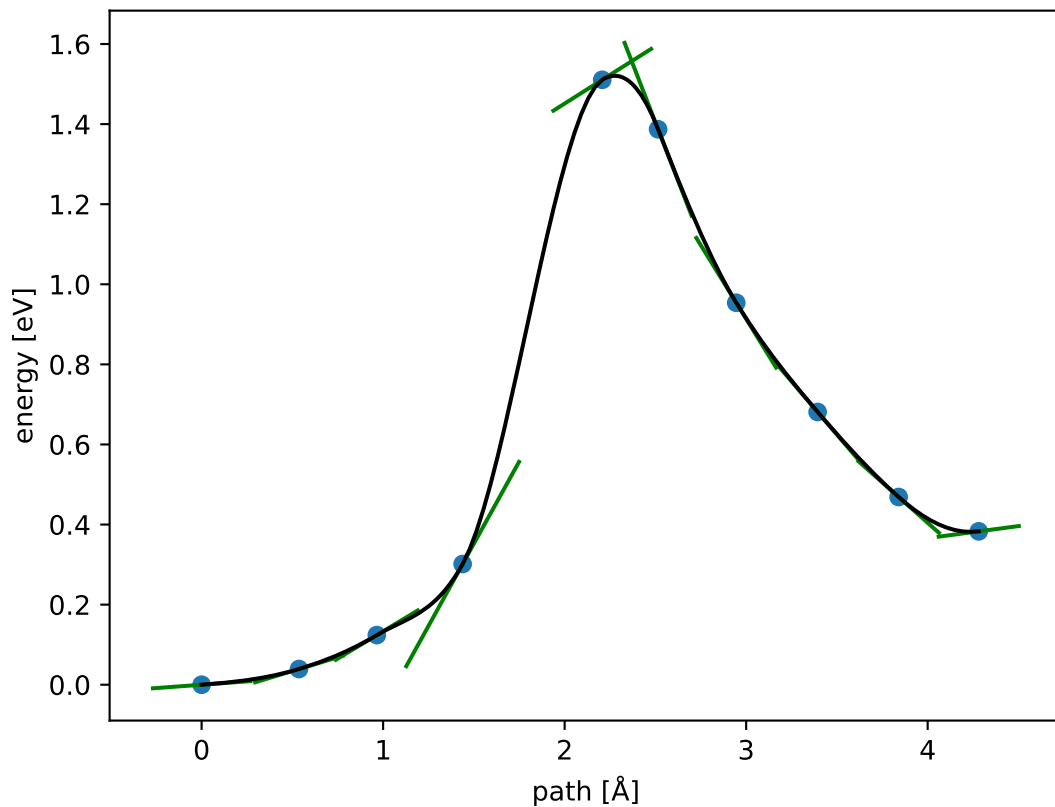
$$E_f \approx 1.528 \text{ eV}; E_r \approx 1.145 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



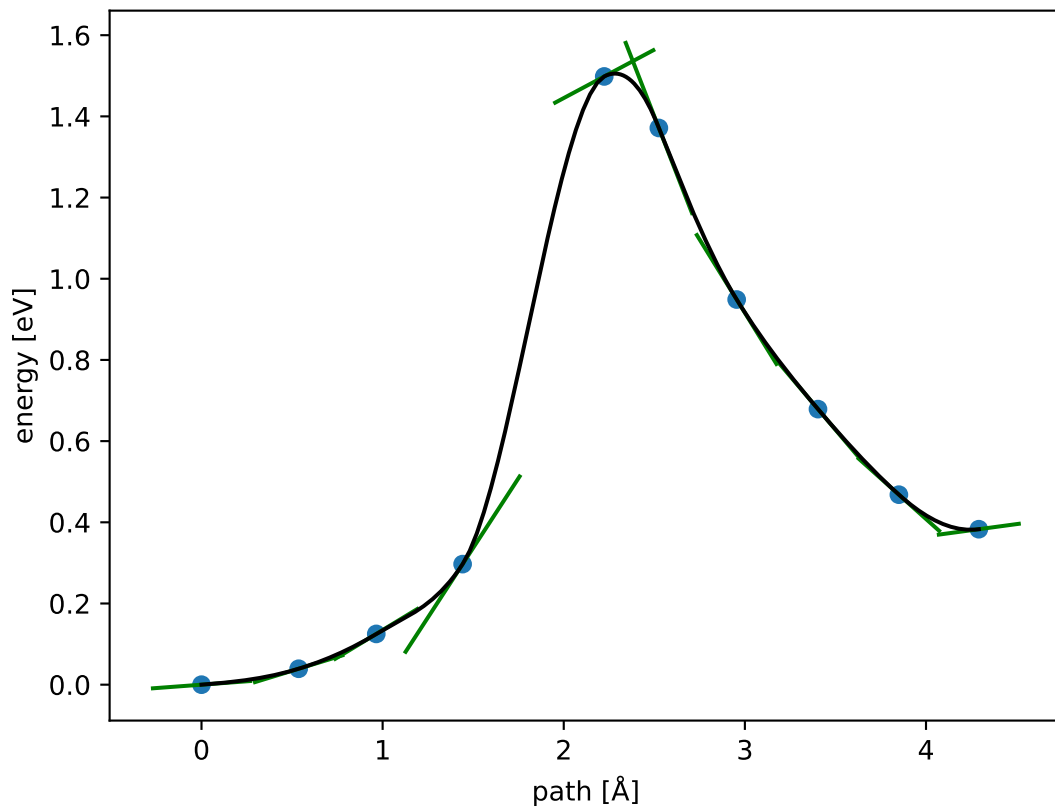
$$E_f \approx 1.520 \text{ eV}; E_r \approx 1.137 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



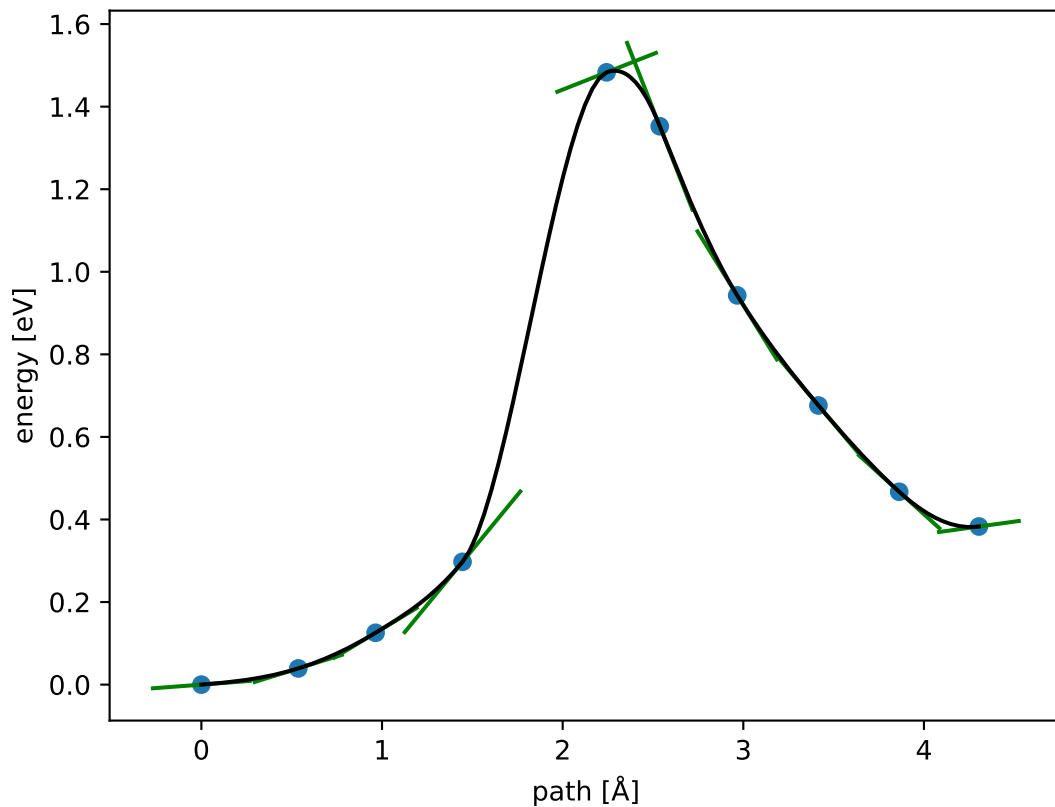
$$E_f \approx 1.511 \text{ eV}; E_r \approx 1.128 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.498 \text{ eV}; E_r \approx 1.115 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

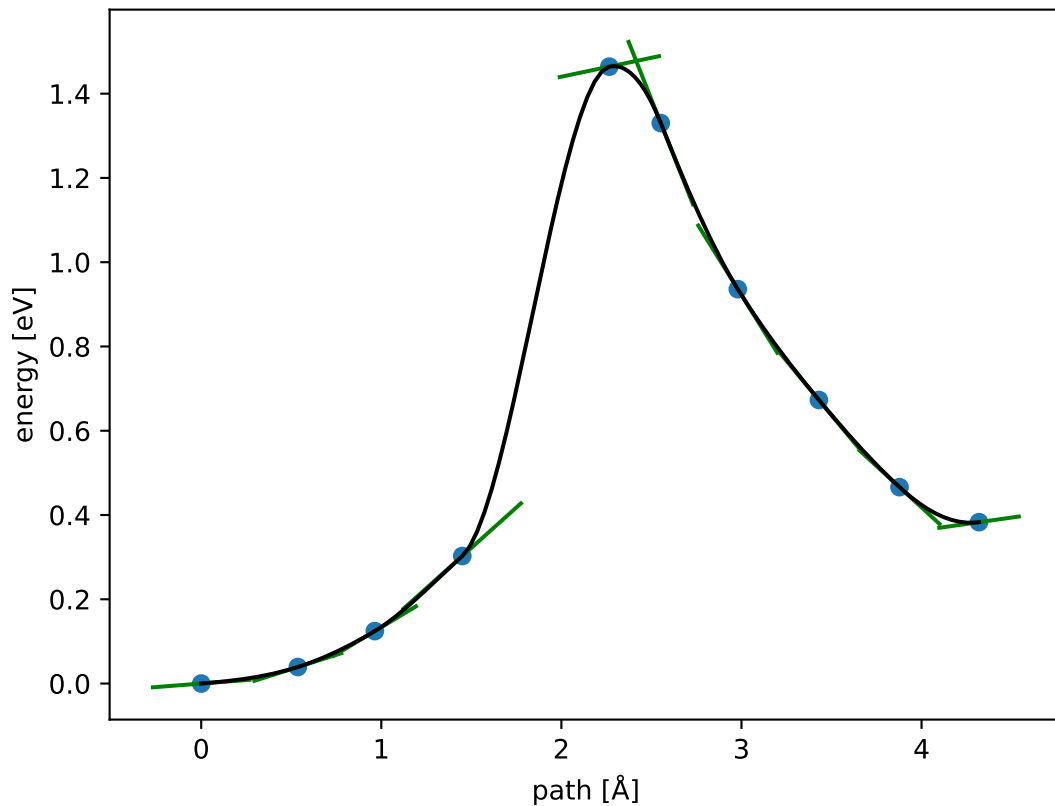


$$E_f \approx 1.483 \text{ eV}; E_r \approx 1.100 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

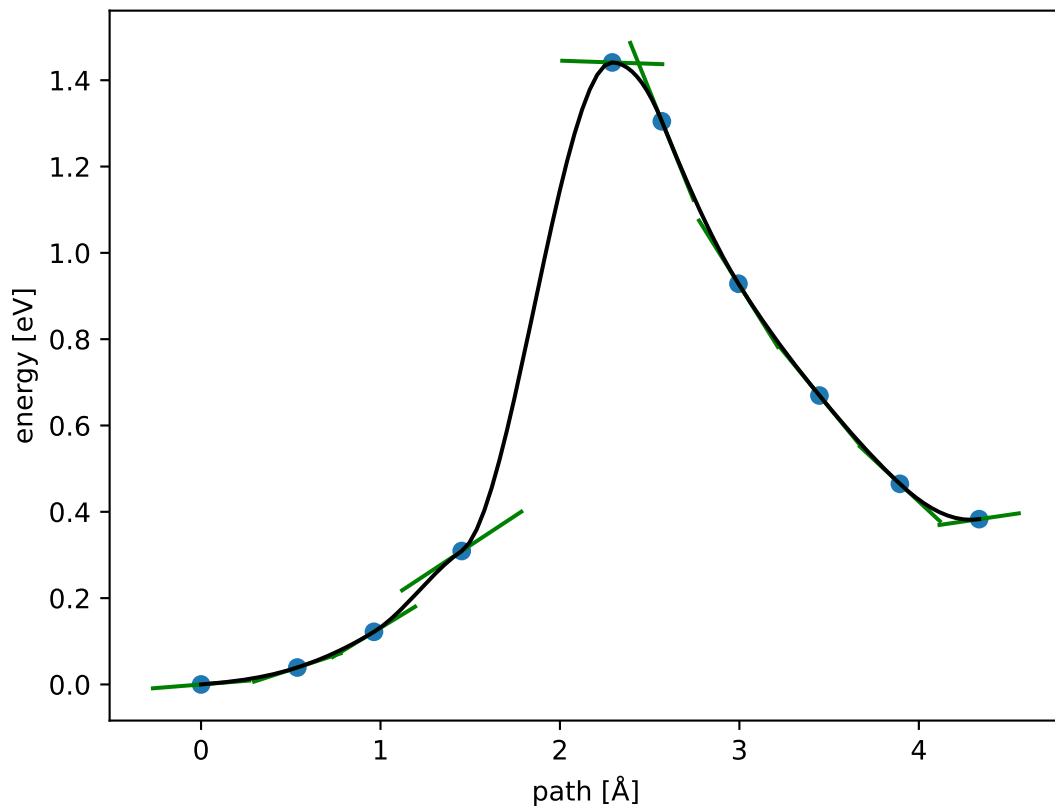




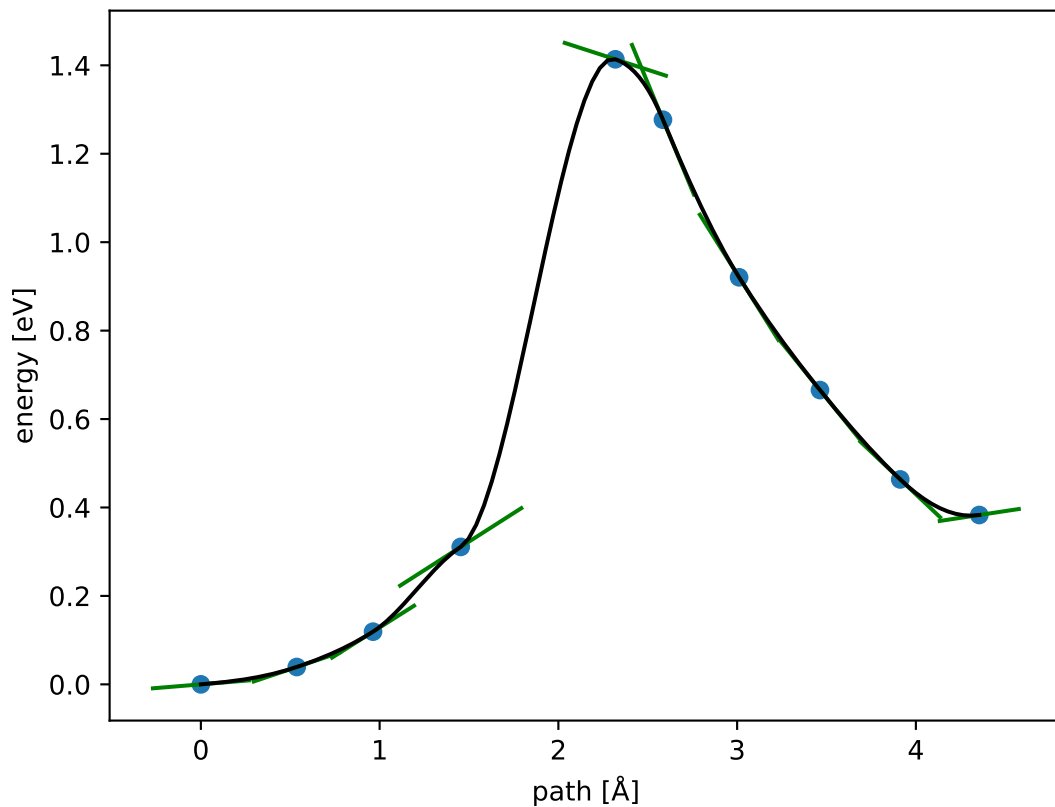
$$E_f \approx 1.464 \text{ eV}; E_r \approx 1.081 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



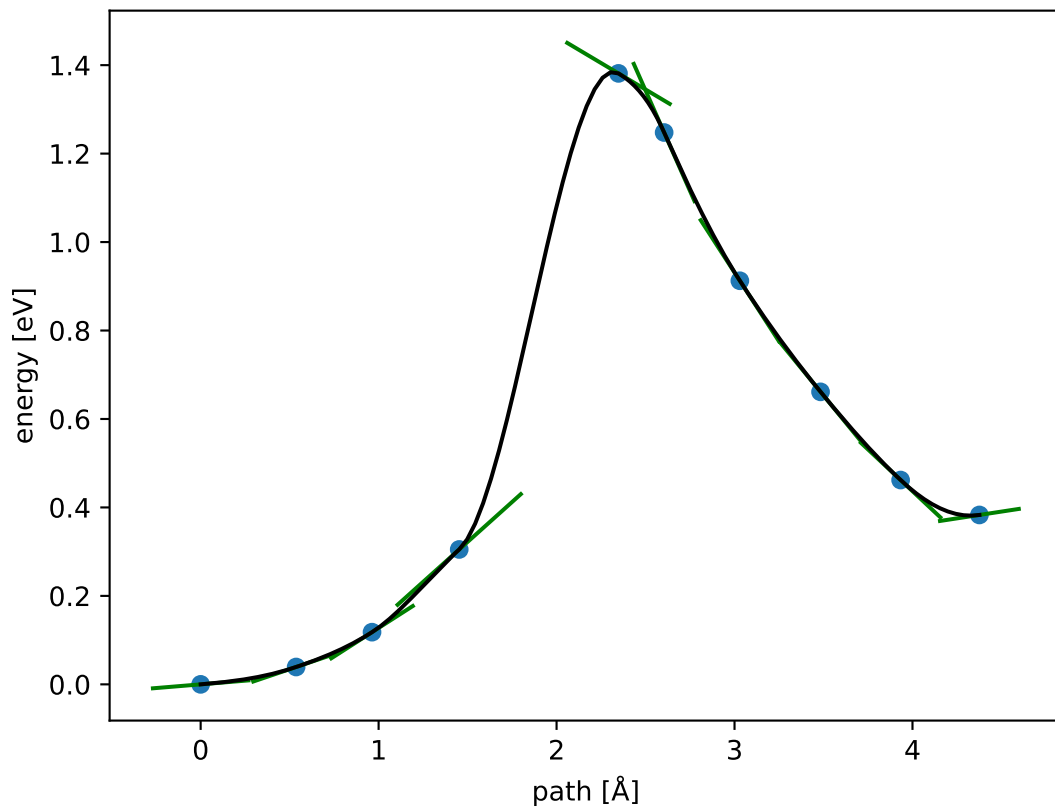
$$E_f \approx 1.441 \text{ eV}; E_r \approx 1.058 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



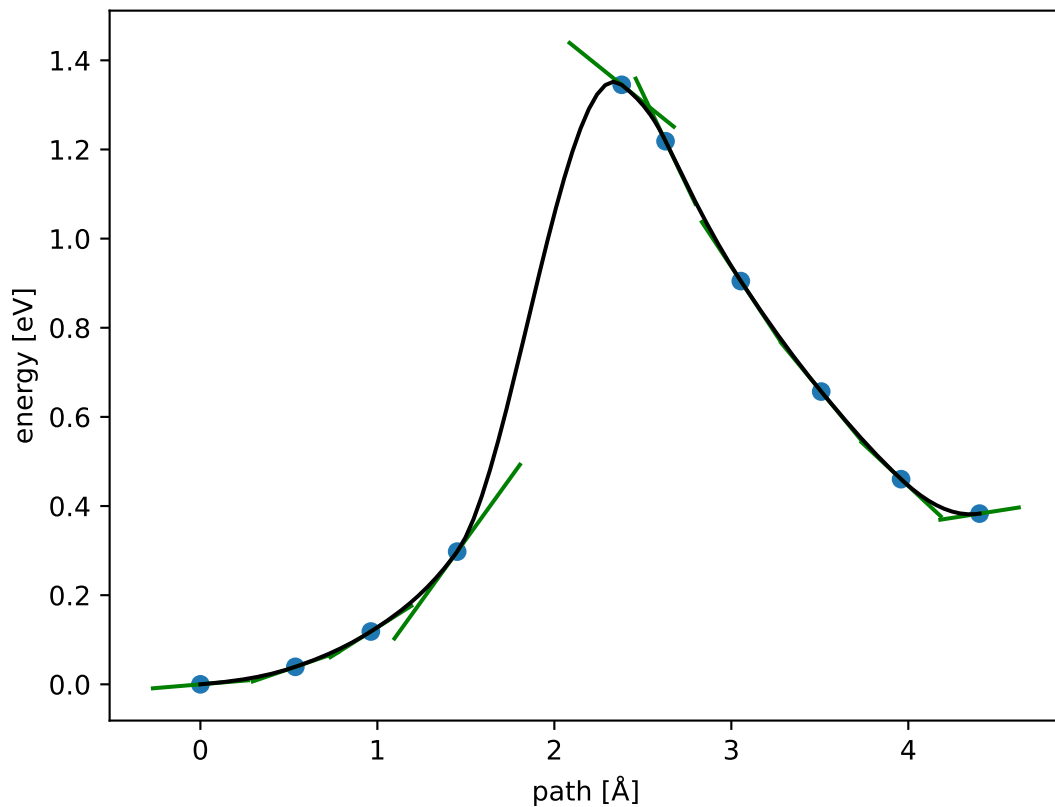
$$E_f \approx 1.414 \text{ eV}; E_r \approx 1.031 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



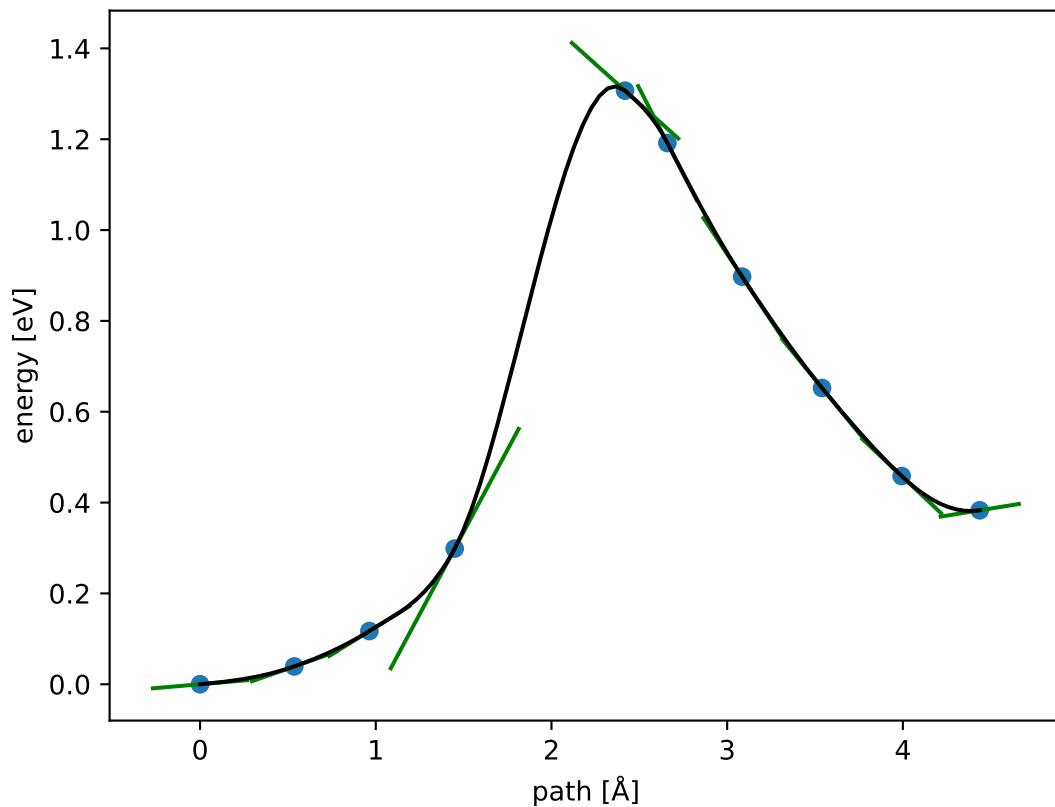
$$E_f \approx 1.381 \text{ eV}; E_r \approx 0.998 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



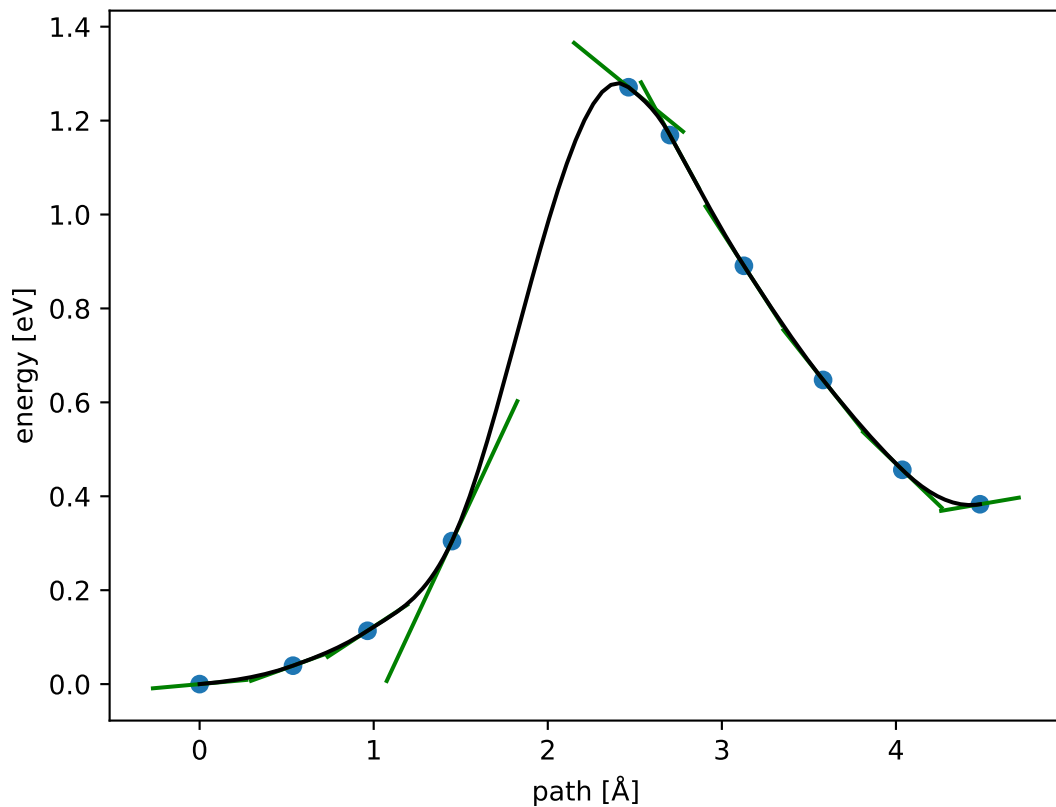
$$E_f \approx 1.345 \text{ eV}; E_r \approx 0.962 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



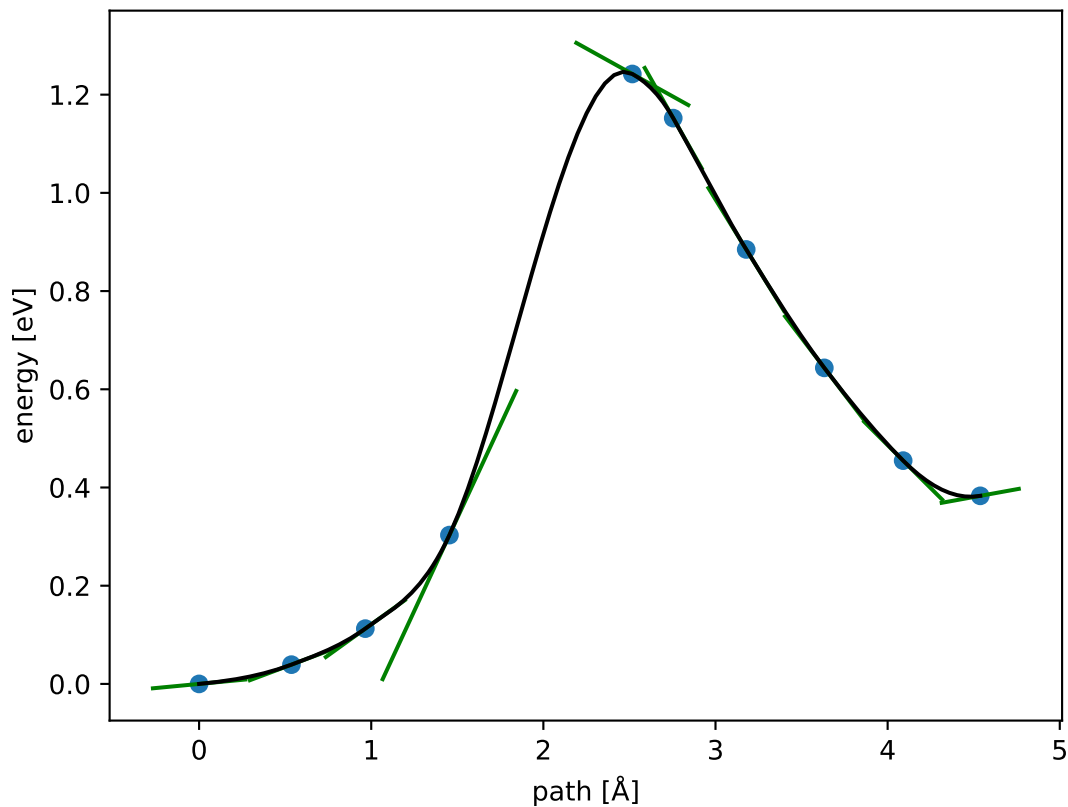
$$E_f \approx 1.307 \text{ eV}; E_r \approx 0.924 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.271 \text{ eV}; E_r \approx 0.888 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

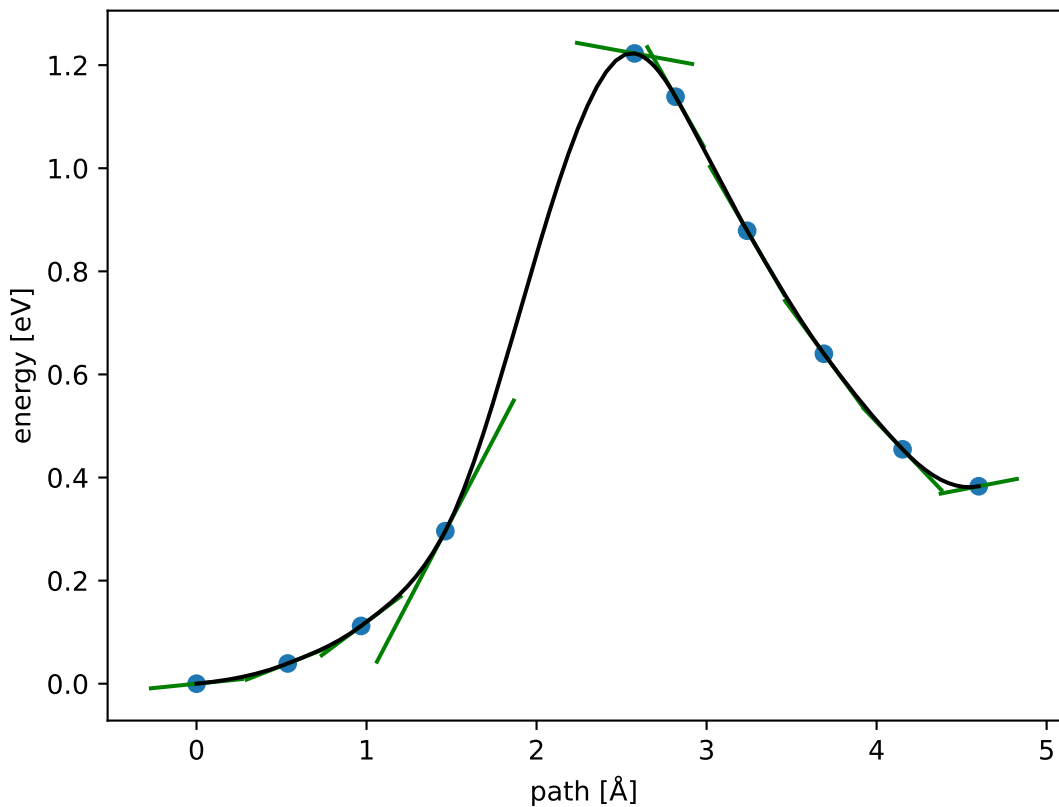


$$E_f \approx 1.242 \text{ eV}; E_r \approx 0.859 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

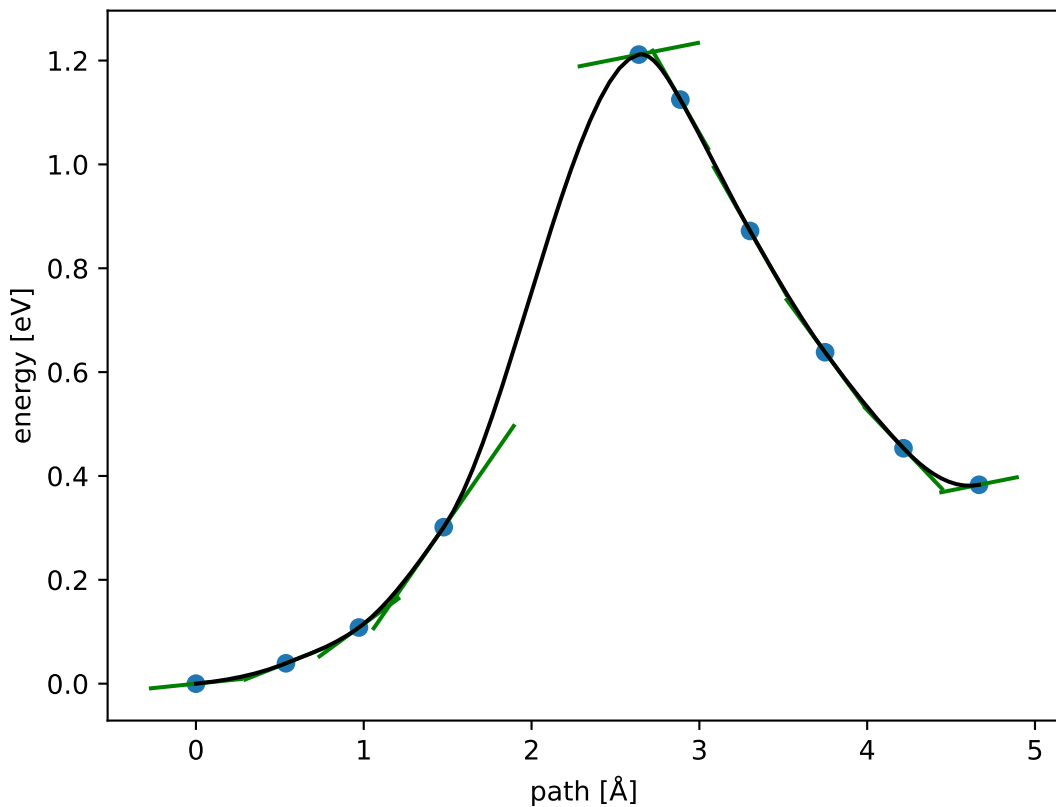




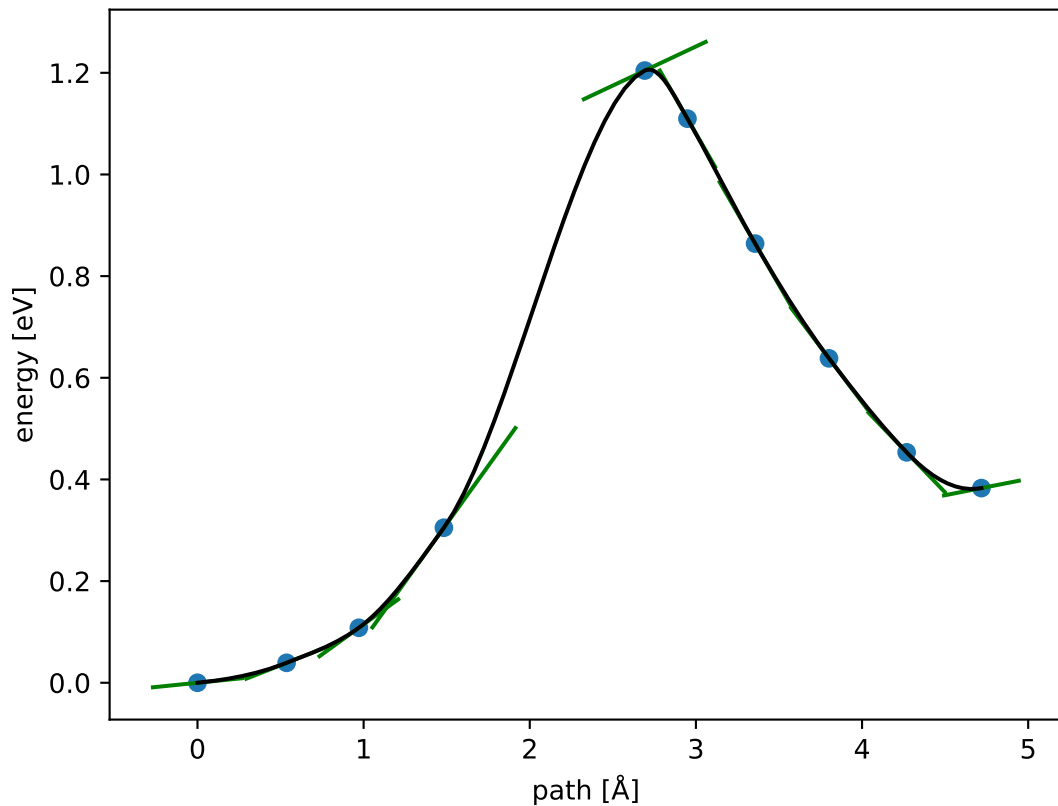
$$E_f \approx 1.223 \text{ eV}; E_r \approx 0.840 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



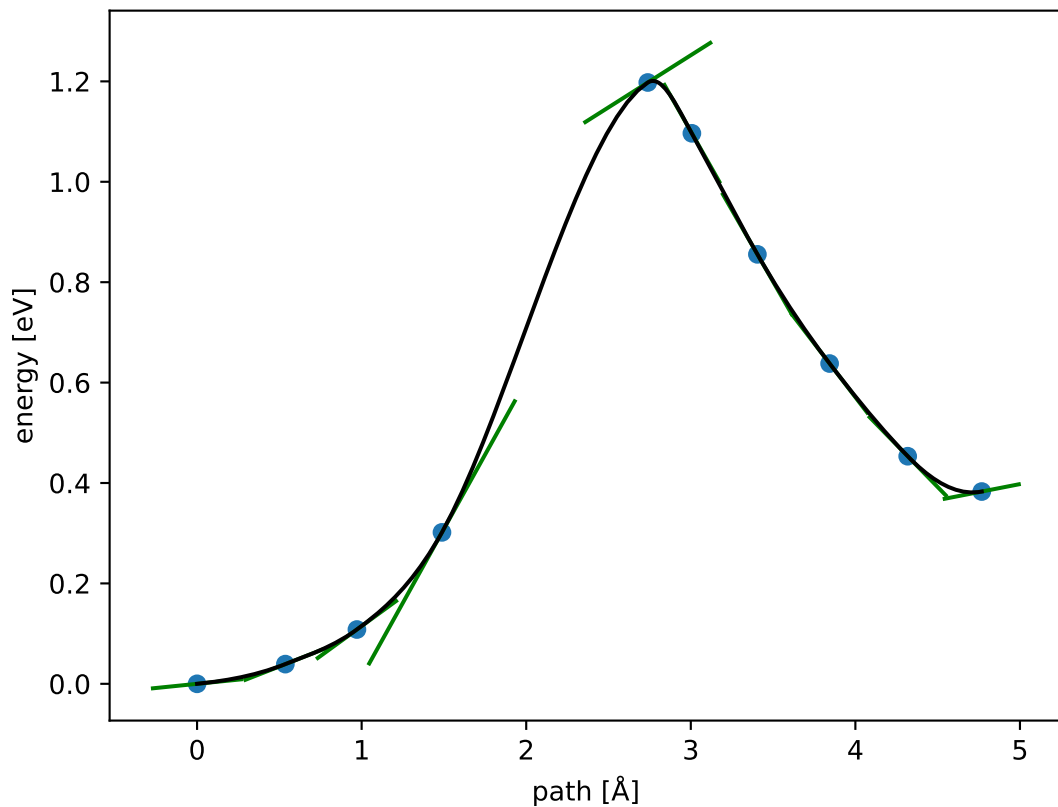
$$E_f \approx 1.212 \text{ eV}; E_r \approx 0.828 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



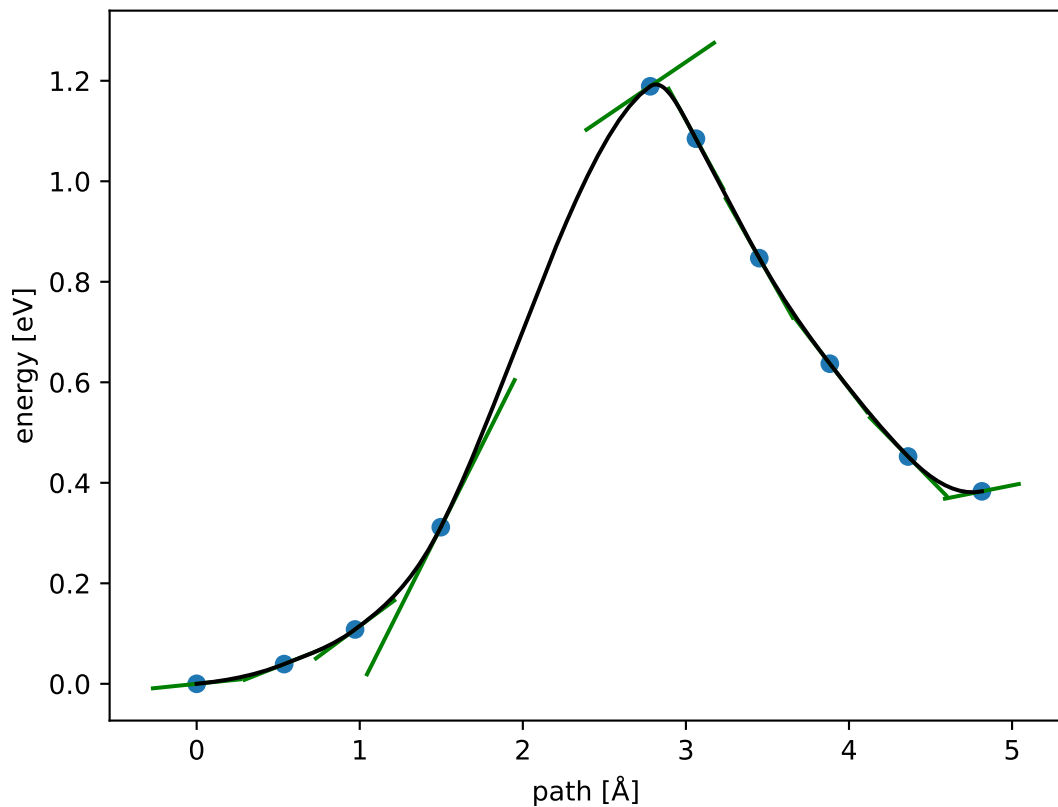
$$E_f \approx 1.204 \text{ eV}; E_r \approx 0.821 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



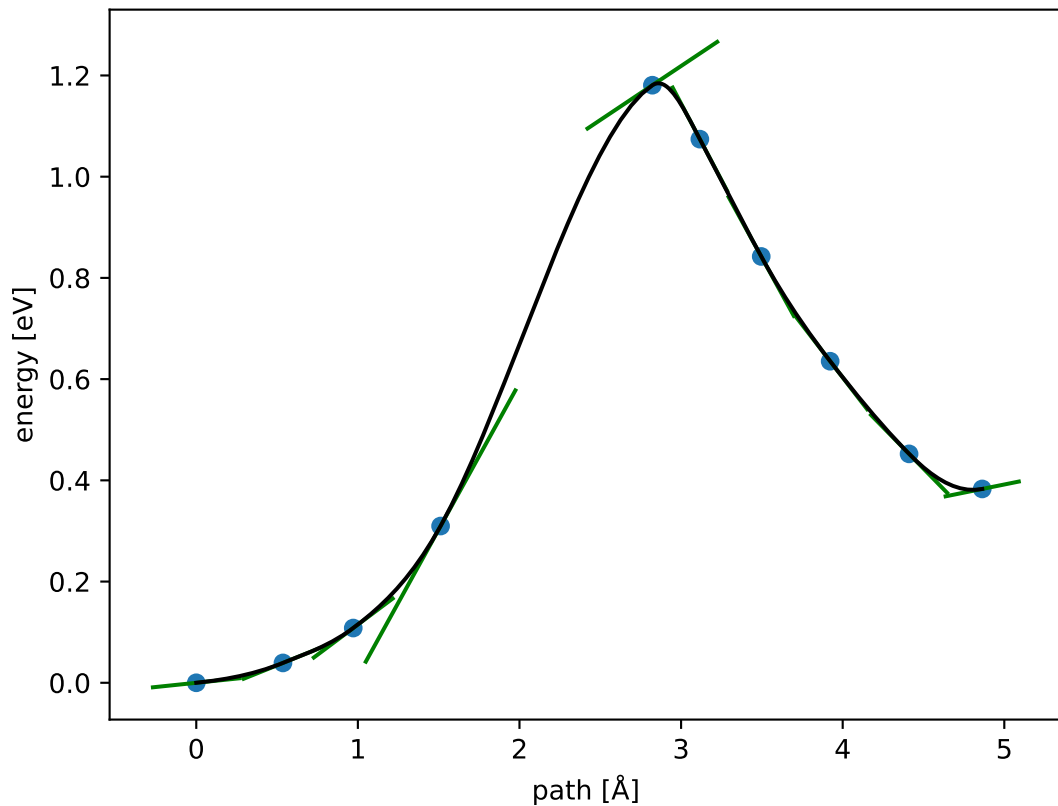
$$E_f \approx 1.198 \text{ eV}; E_r \approx 0.815 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



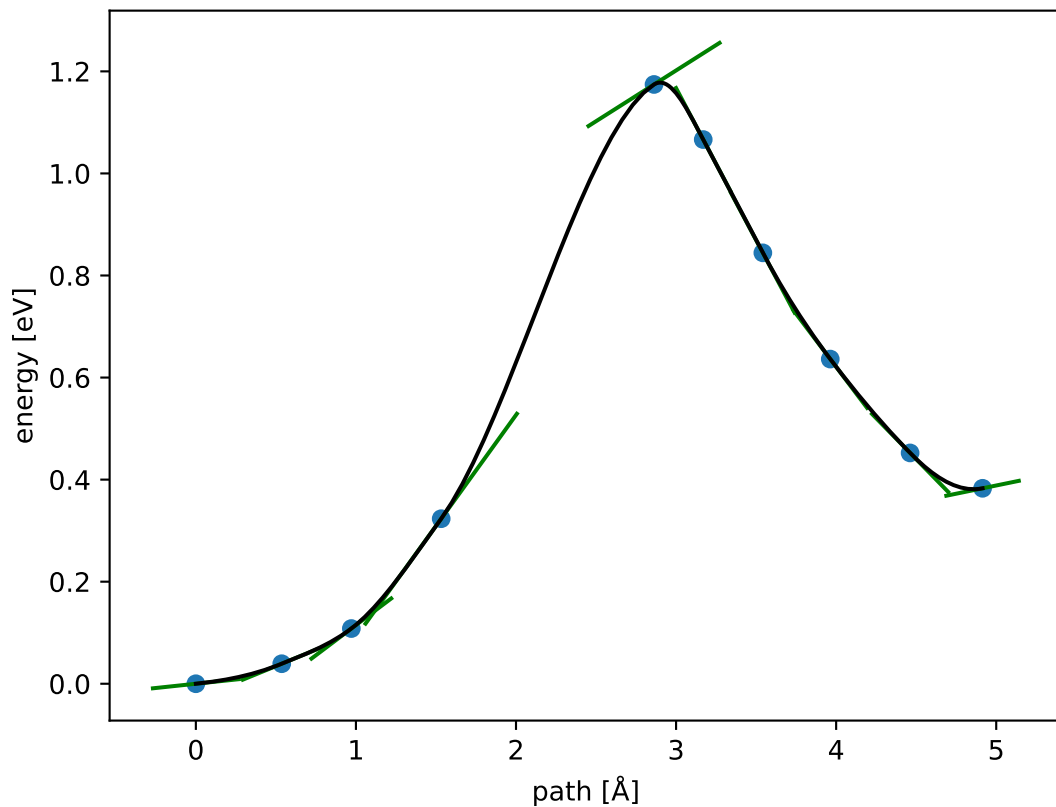
$$E_f \approx 1.189 \text{ eV}; E_r \approx 0.806 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



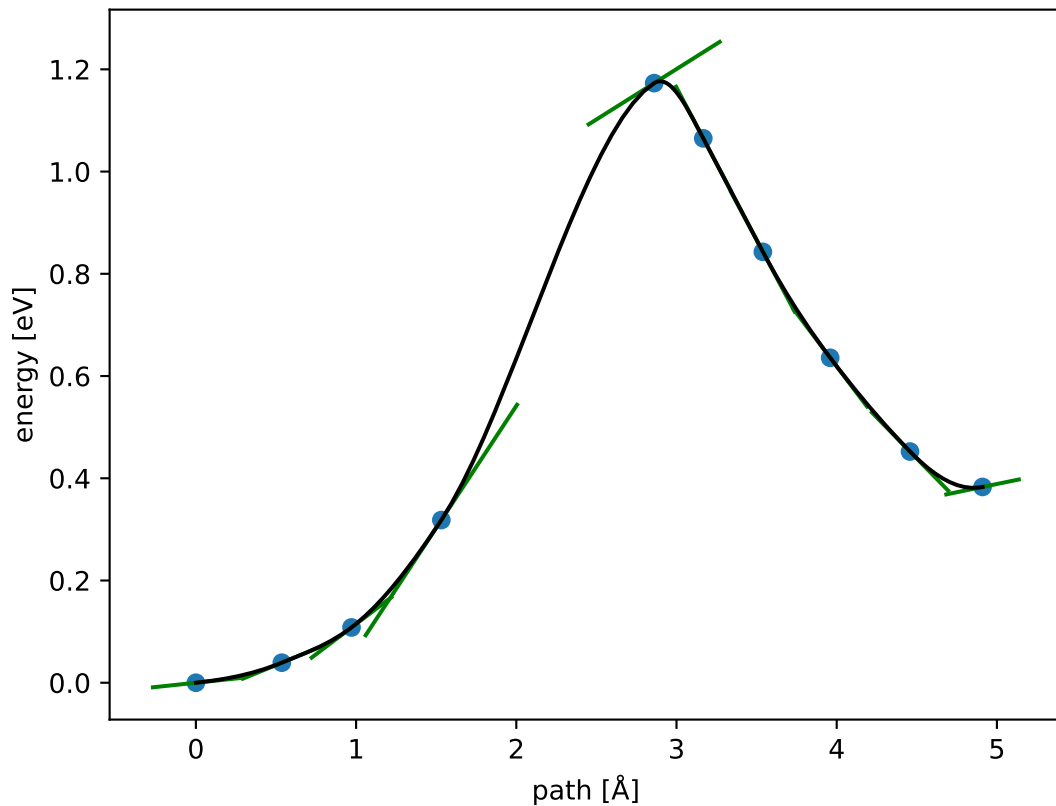
$$E_f \approx 1.181 \text{ eV}; E_r \approx 0.798 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.174 \text{ eV}; E_r \approx 0.791 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

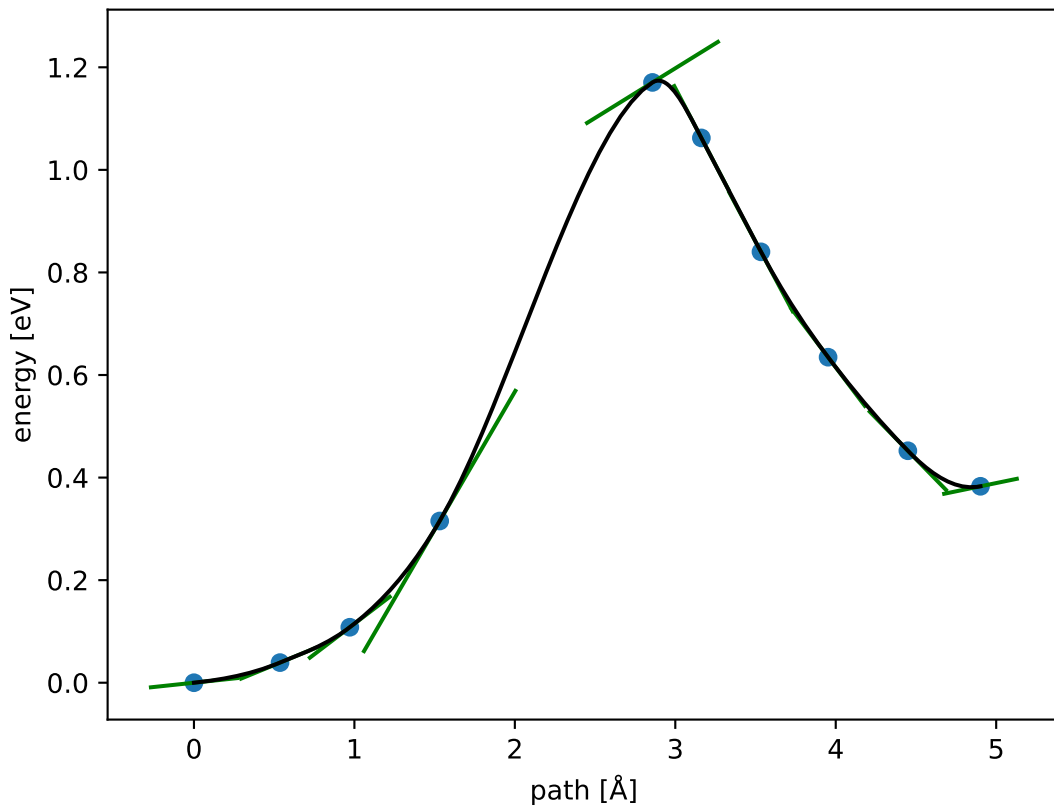


$$E_f \approx 1.173 \text{ eV}; E_r \approx 0.790 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

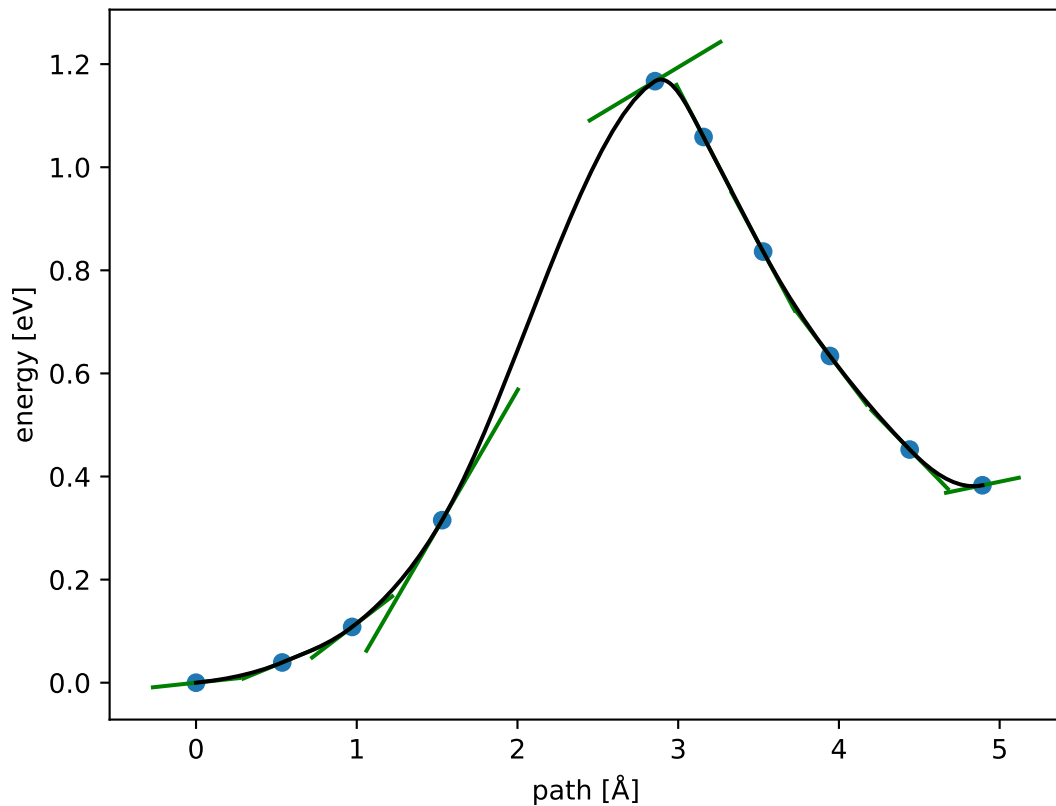




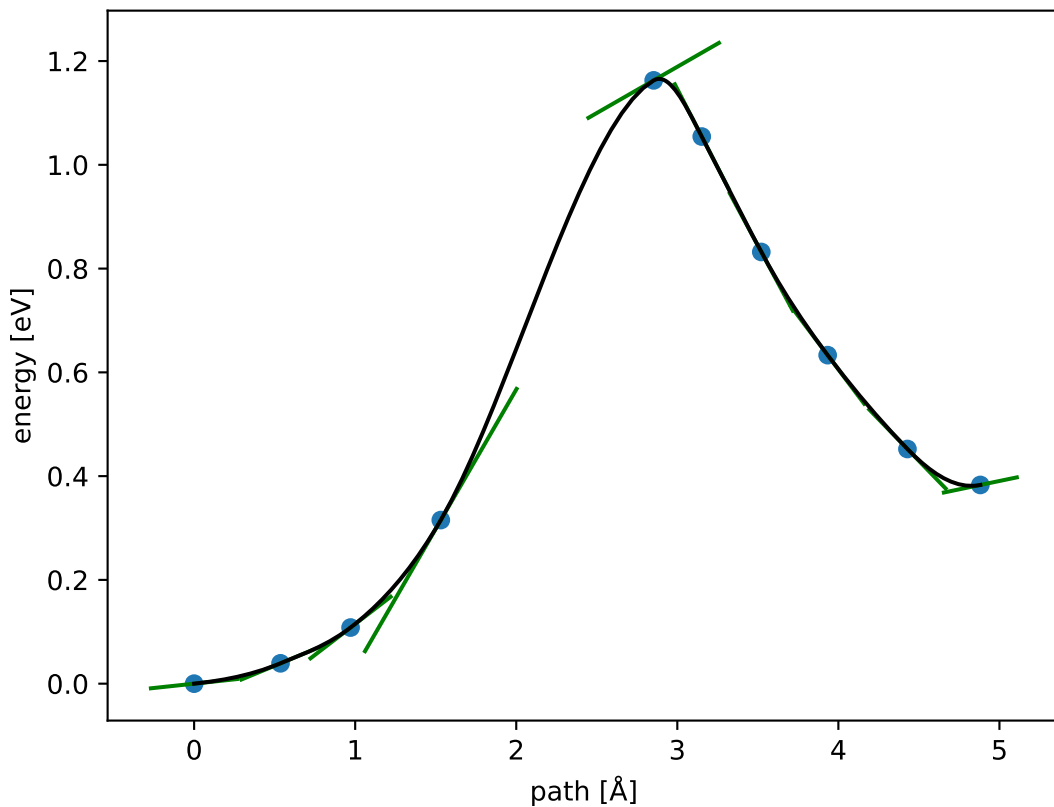
$$E_f \approx 1.171 \text{ eV}; E_r \approx 0.788 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



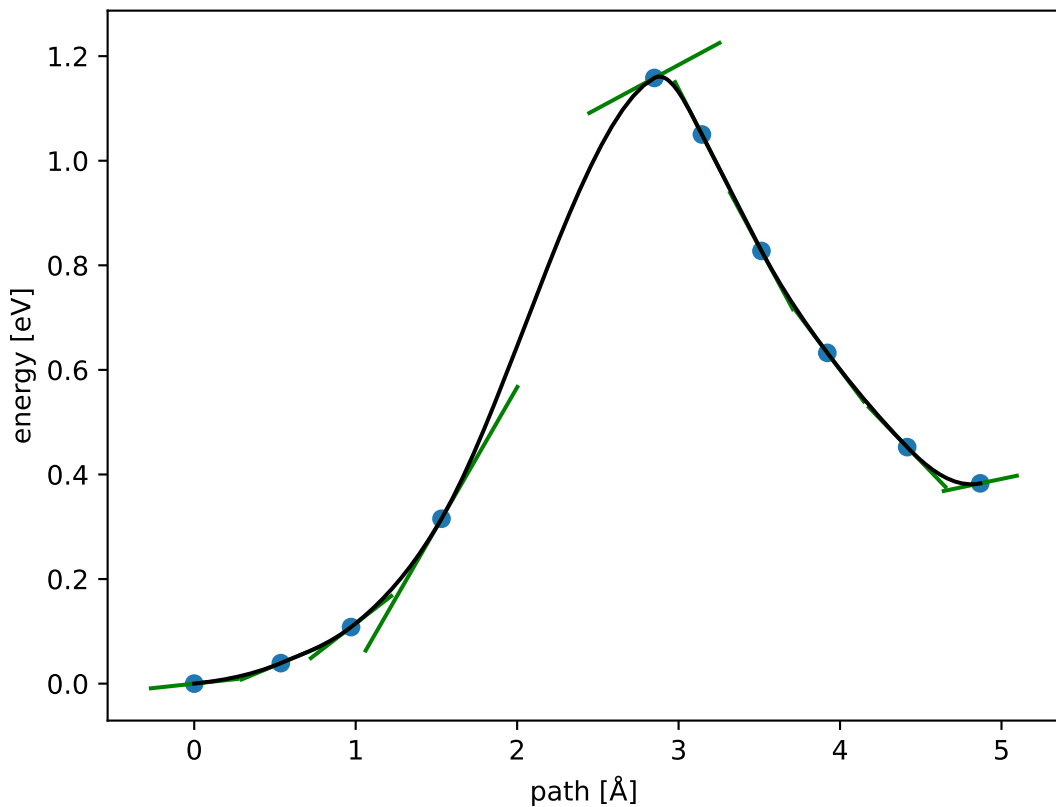
$$E_f \approx 1.167 \text{ eV}; E_r \approx 0.784 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



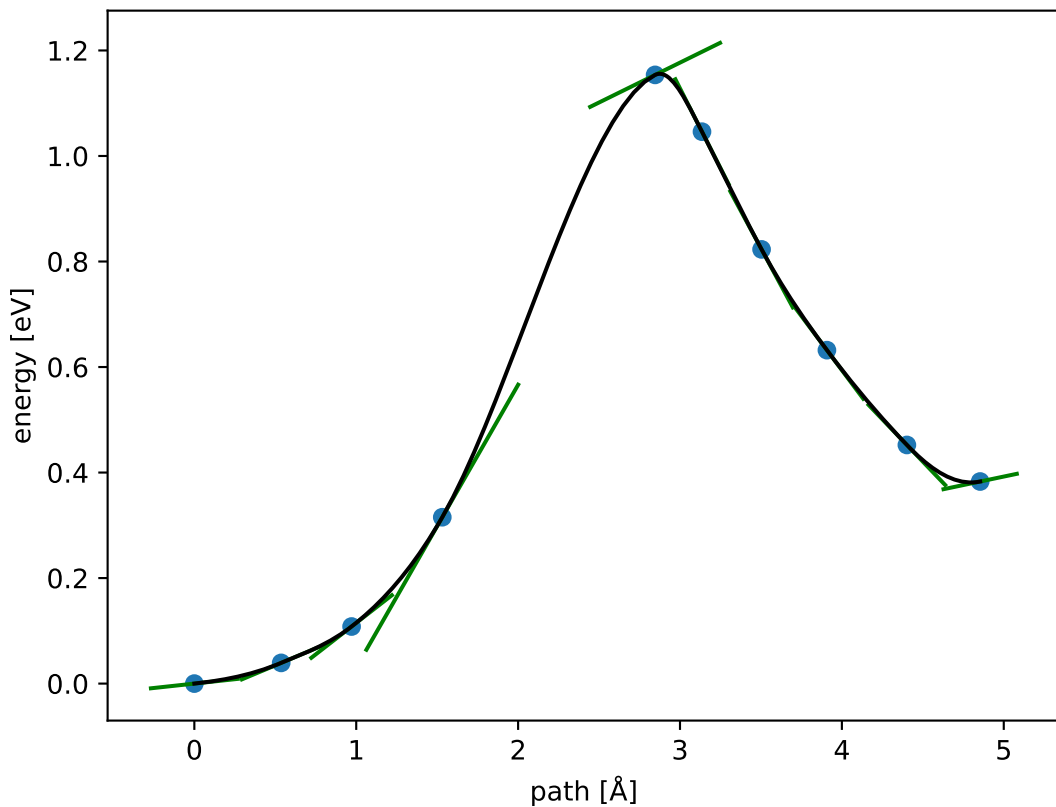
$$E_f \approx 1.163 \text{ eV}; E_r \approx 0.780 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



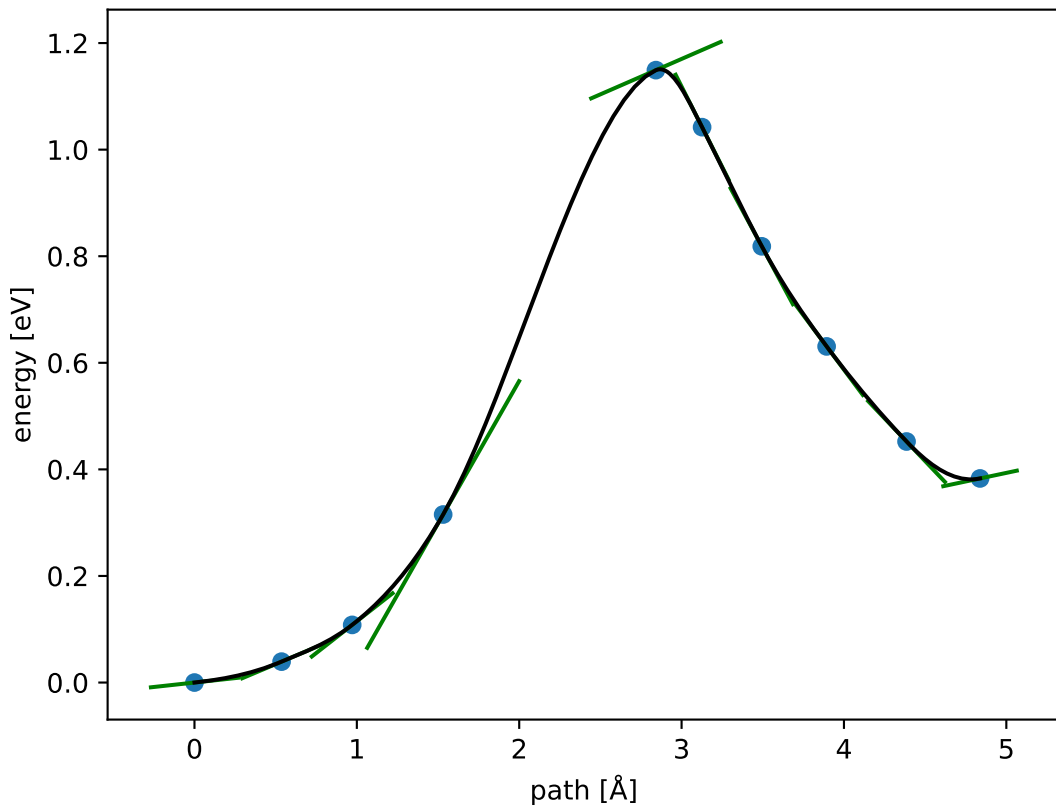
$$E_f \approx 1.158 \text{ eV}; E_r \approx 0.775 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



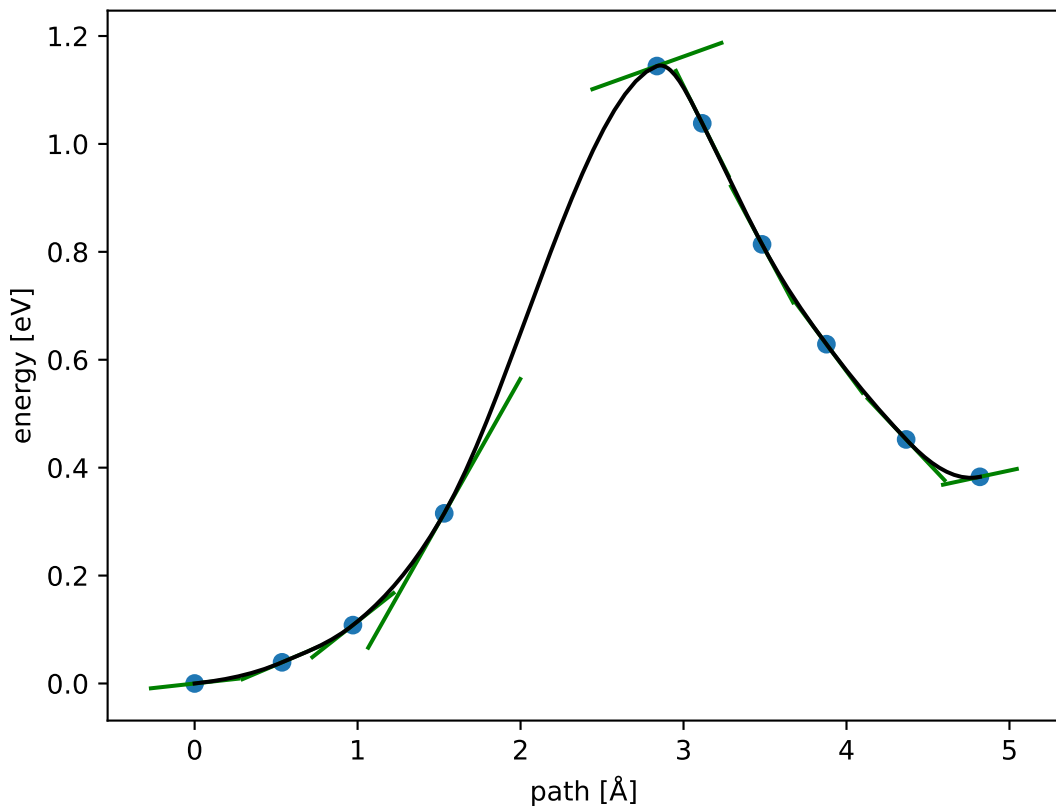
$$E_f \approx 1.154 \text{ eV}; E_r \approx 0.771 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



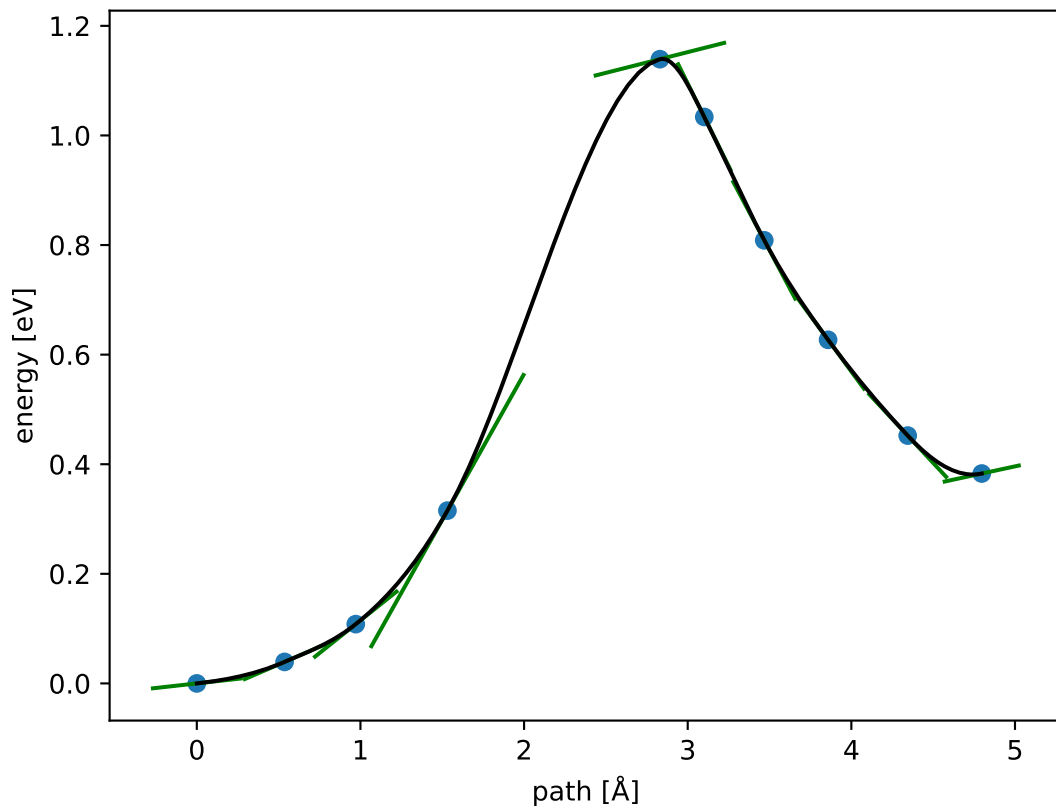
$$E_f \approx 1.149 \text{ eV}; E_r \approx 0.766 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.144 \text{ eV}; E_r \approx 0.761 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

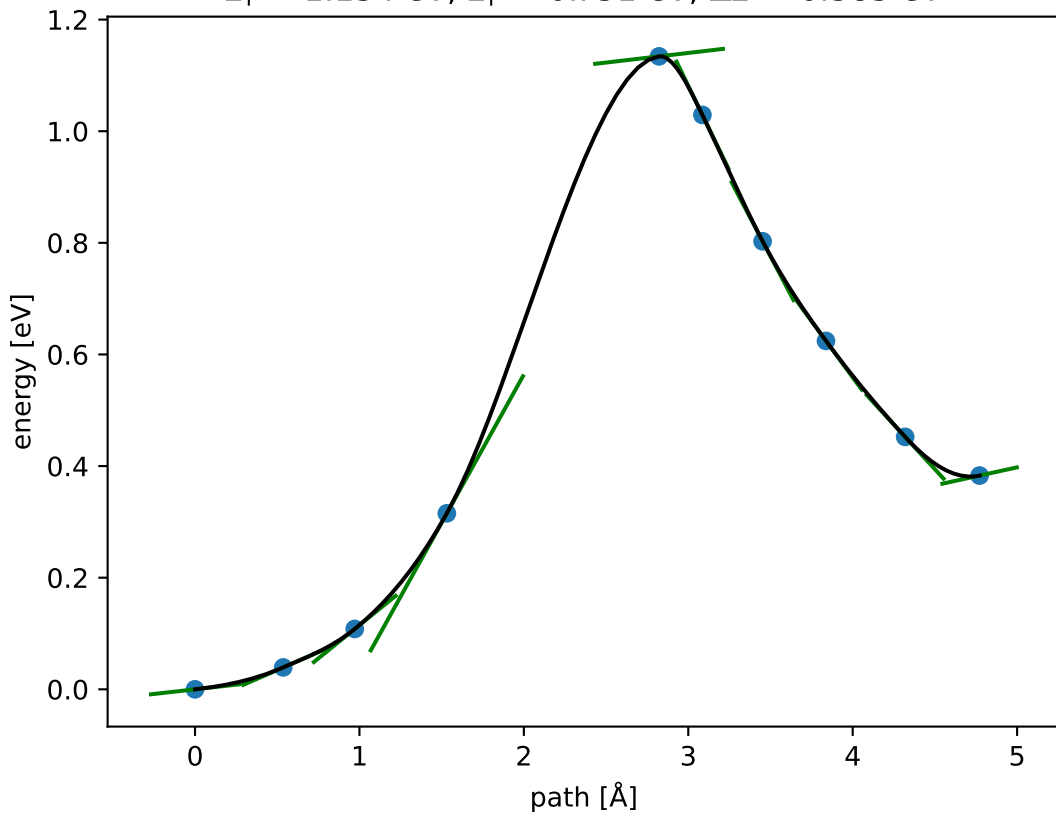


$$E_f \approx 1.139 \text{ eV}; E_r \approx 0.756 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

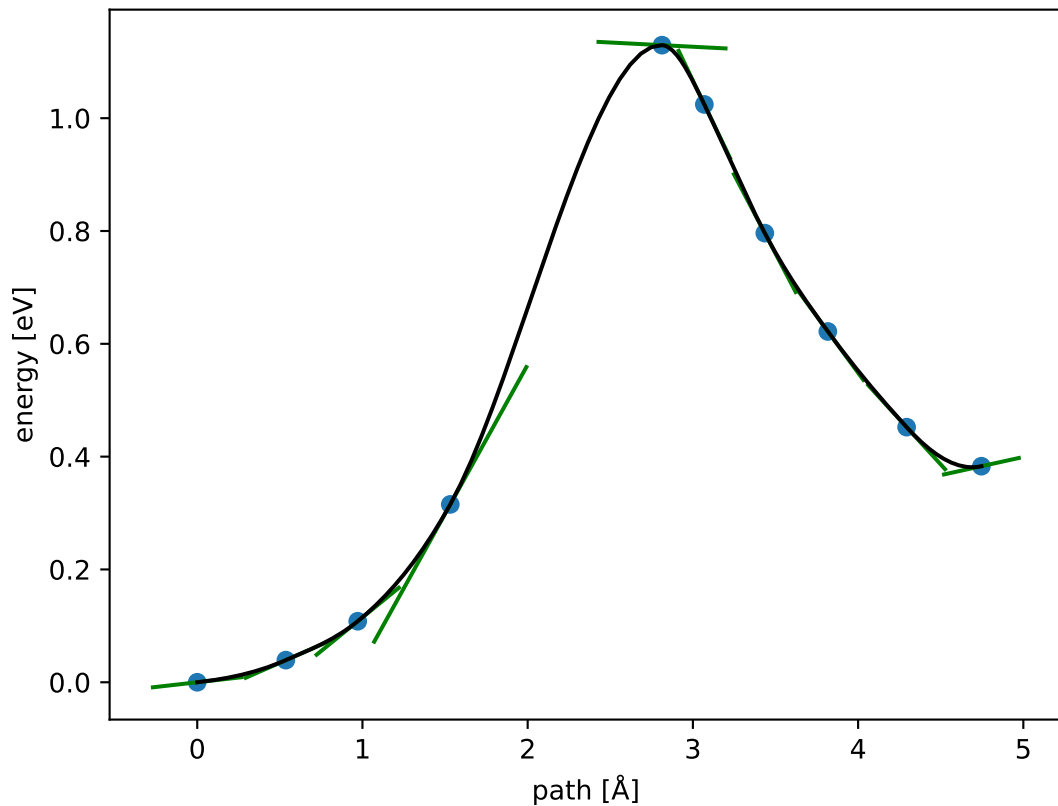




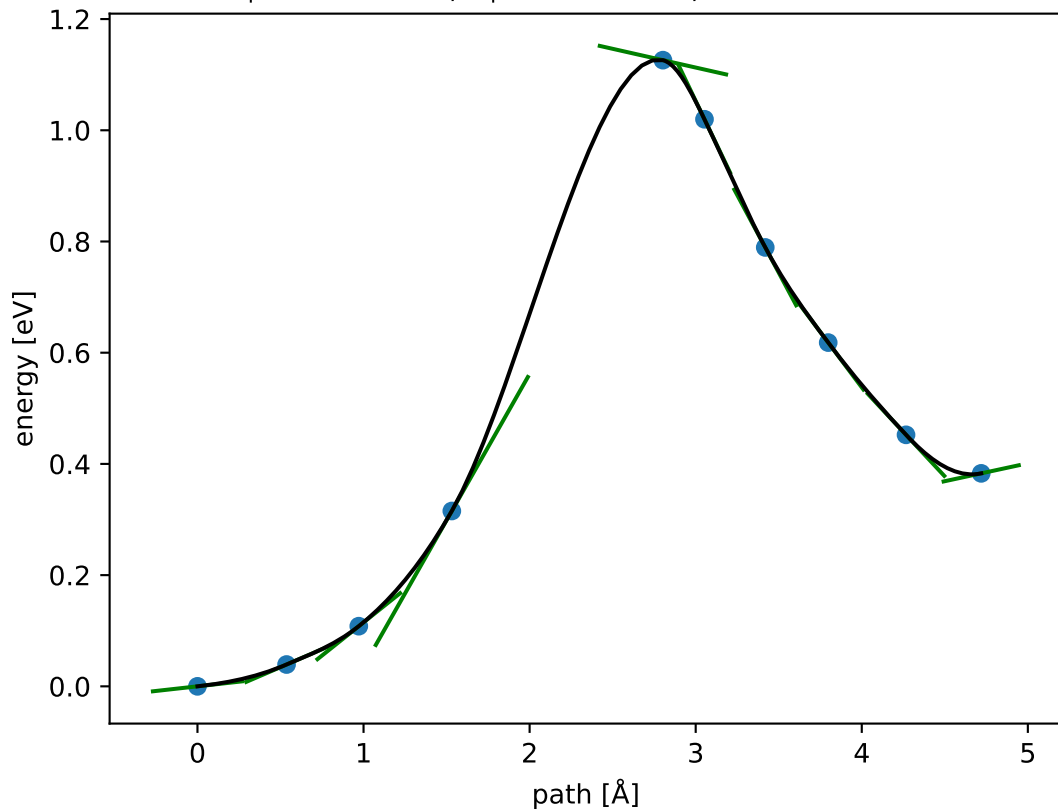
$$E_f \approx 1.134 \text{ eV}; E_r \approx 0.751 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



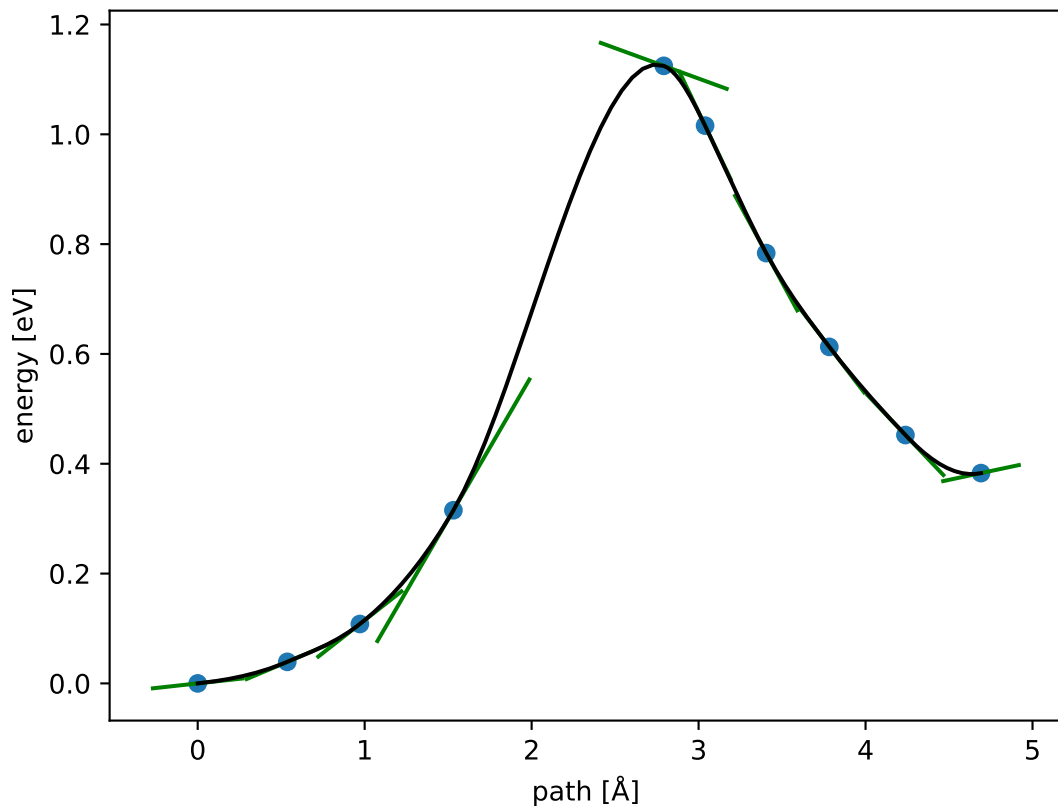
$$E_f \approx 1.129 \text{ eV}; E_r \approx 0.746 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



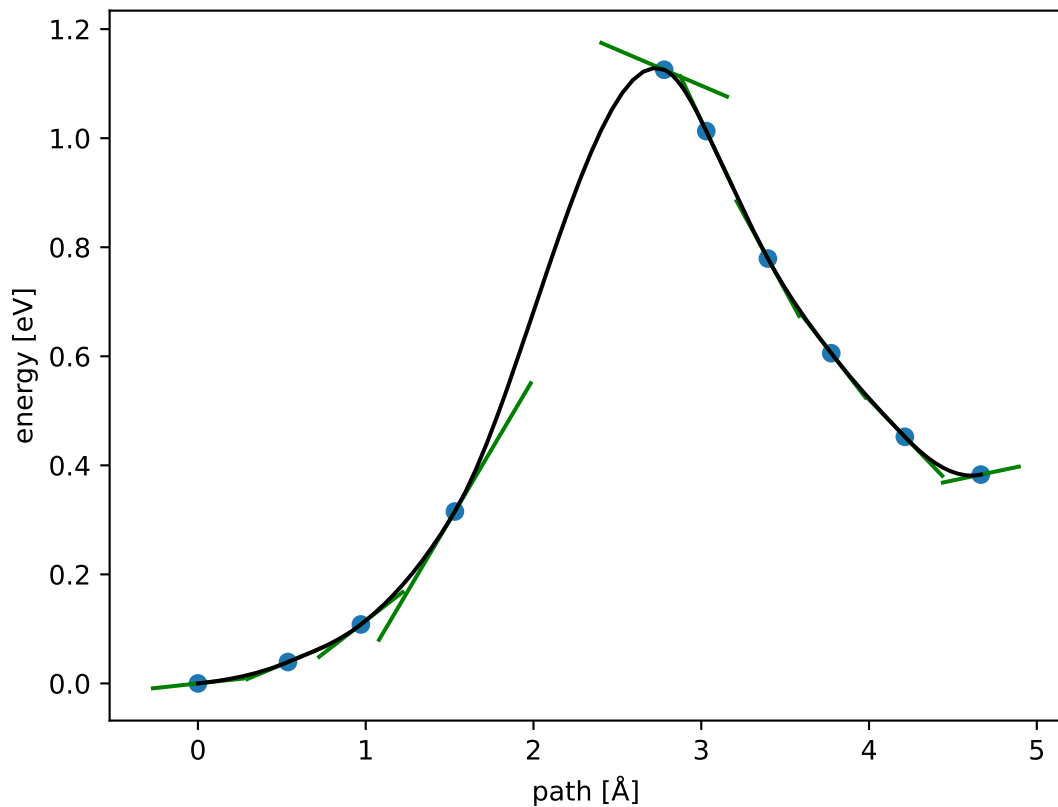
$$E_f \approx 1.126 \text{ eV}; E_r \approx 0.743 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



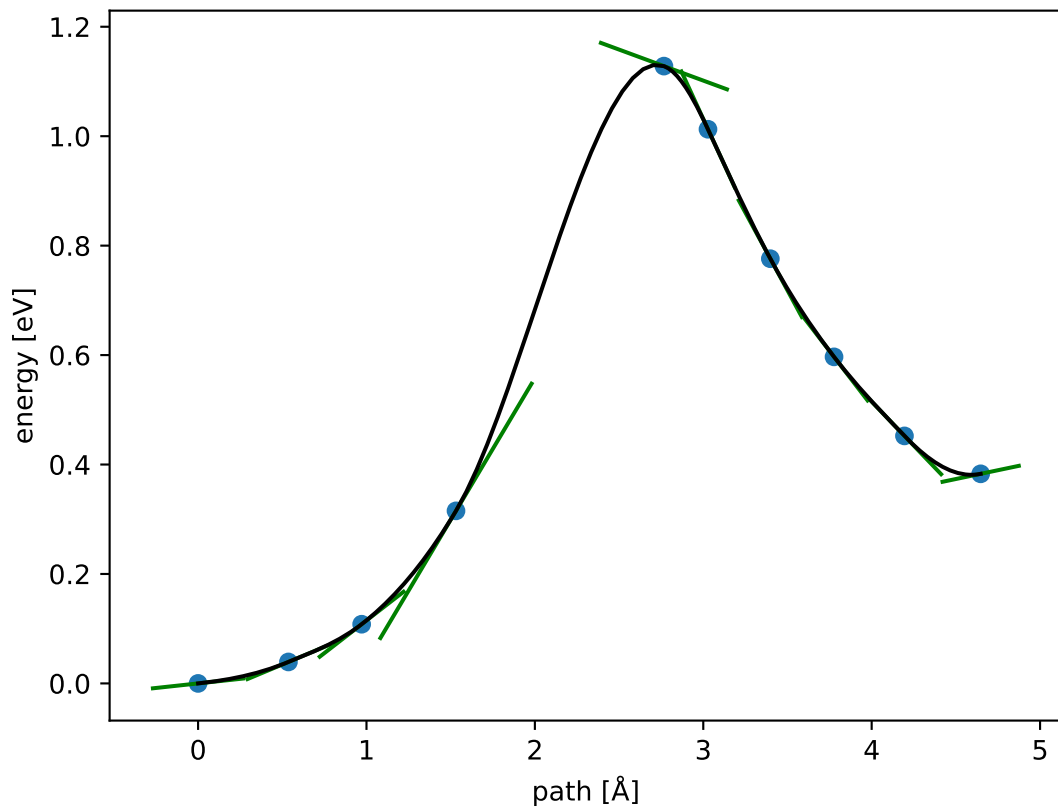
$$E_f \approx 1.125 \text{ eV}; E_r \approx 0.742 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



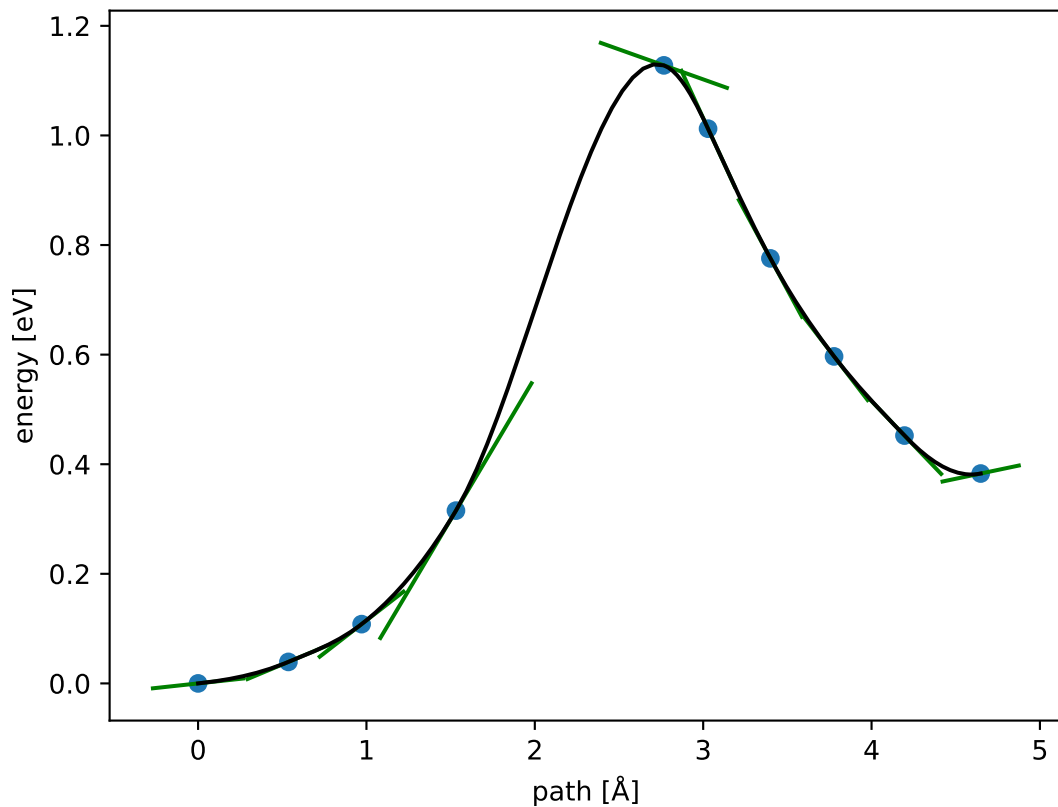
$$E_f \approx 1.126 \text{ eV}; E_r \approx 0.742 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



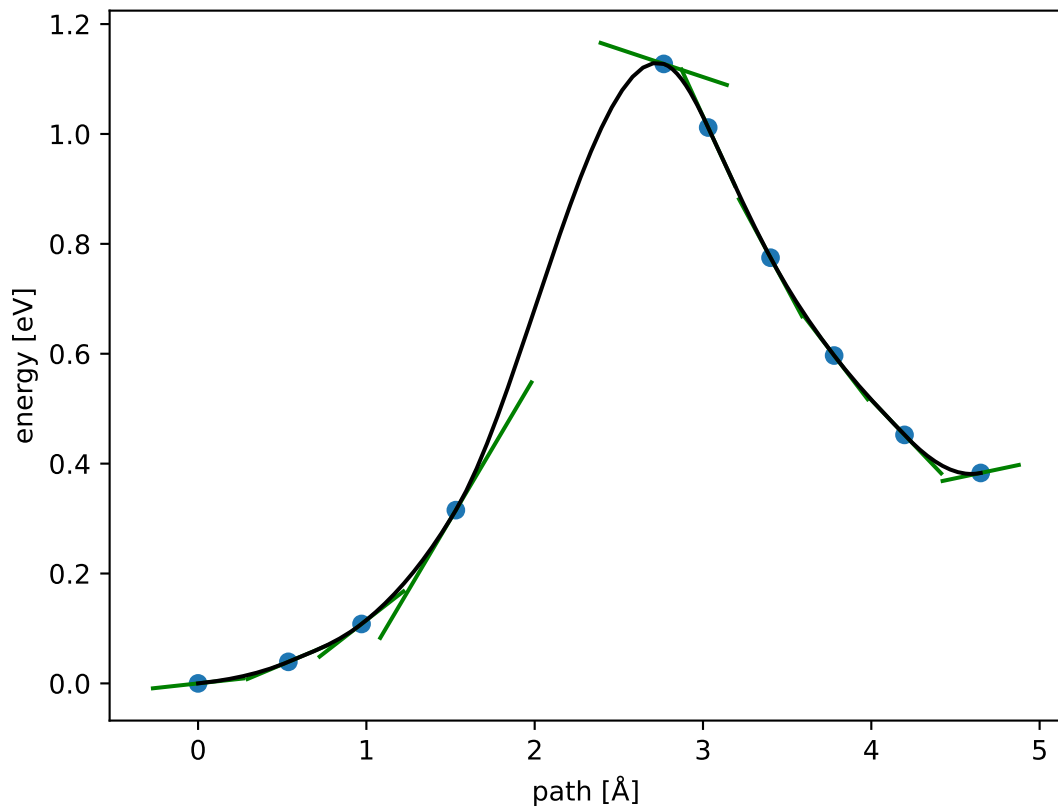
$$E_f \approx 1.128 \text{ eV}; E_r \approx 0.745 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.128 \text{ eV}; E_r \approx 0.745 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

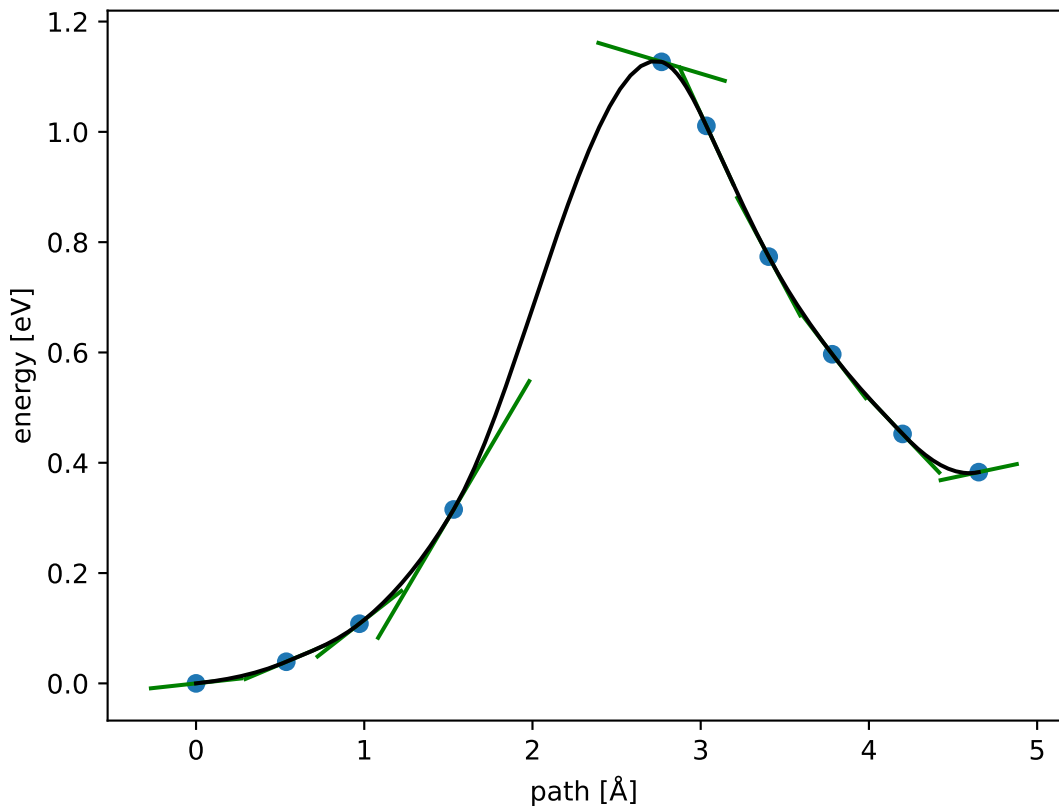


$$E_f \approx 1.128 \text{ eV}; E_r \approx 0.744 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

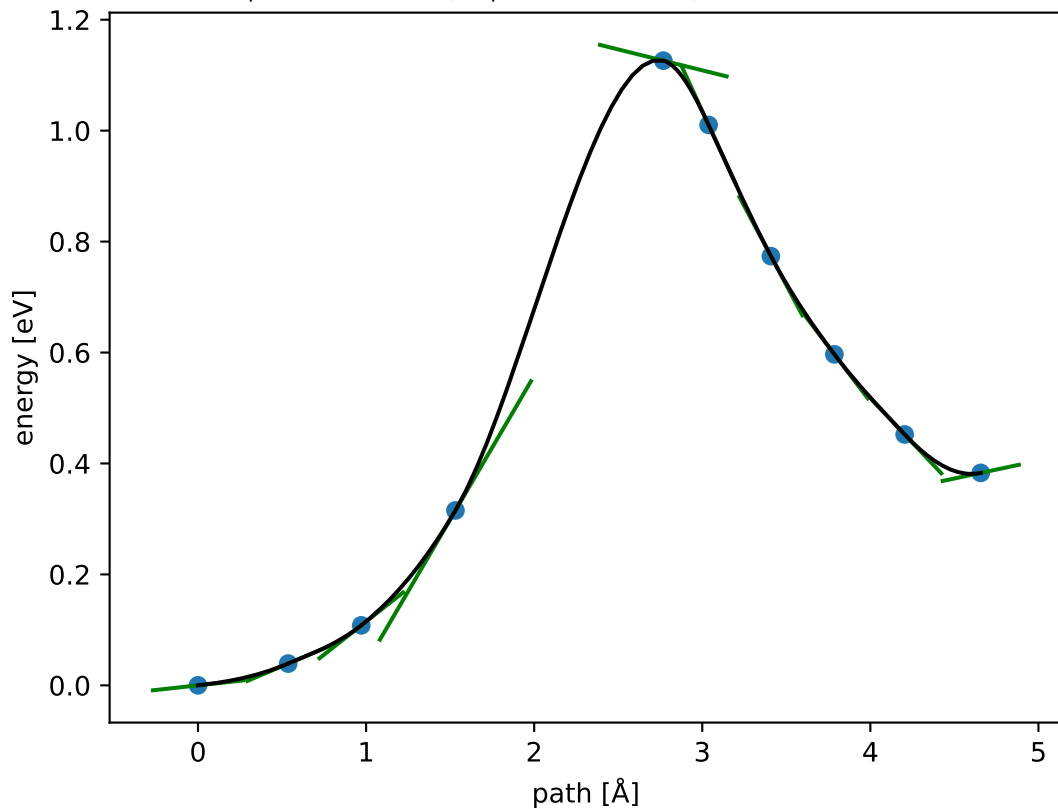




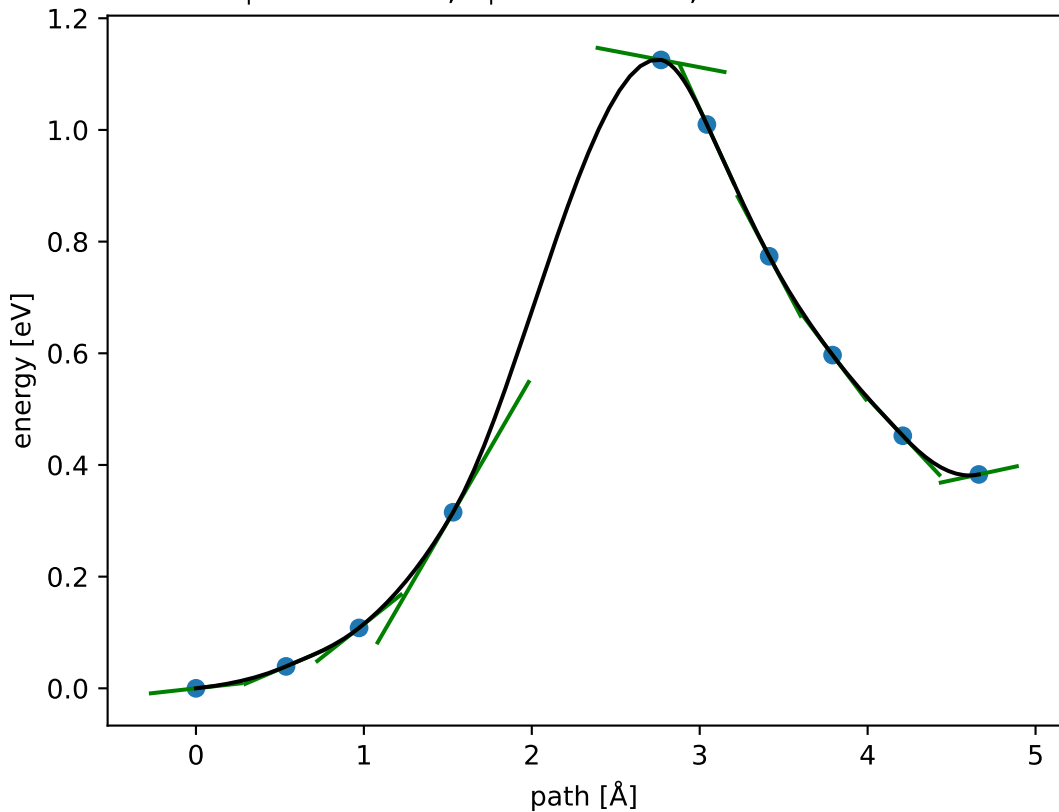
$$E_f \approx 1.127 \text{ eV}; E_r \approx 0.744 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



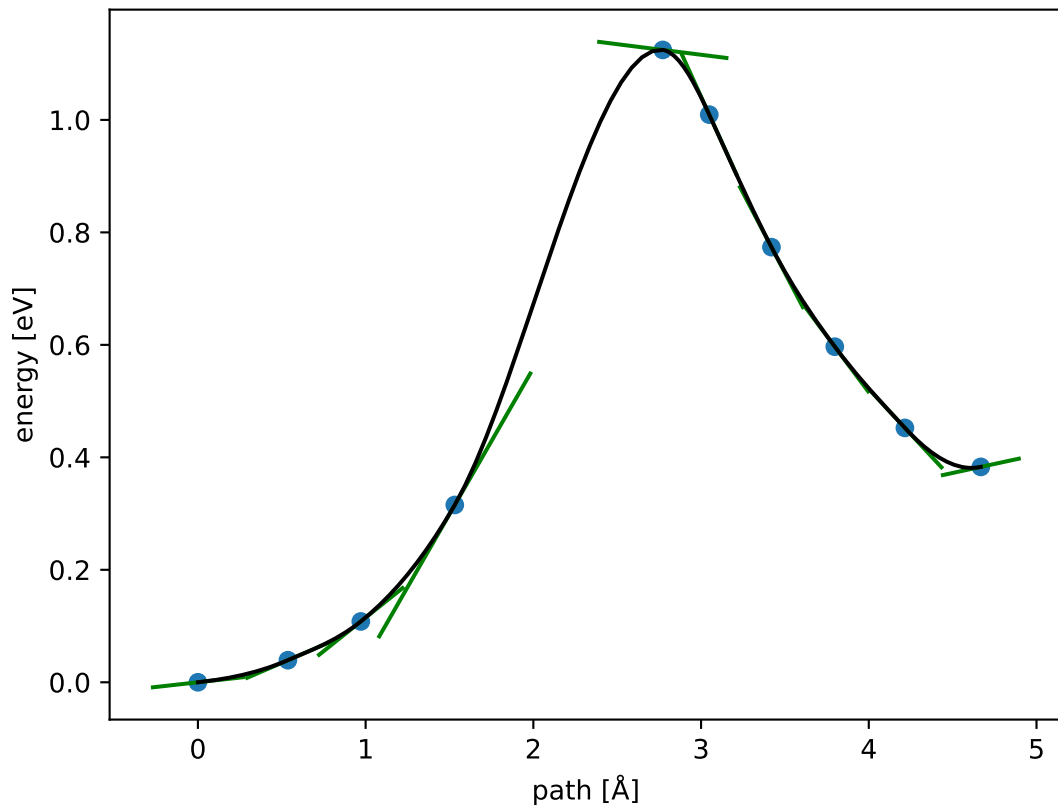
$$E_f \approx 1.126 \text{ eV}; E_r \approx 0.743 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



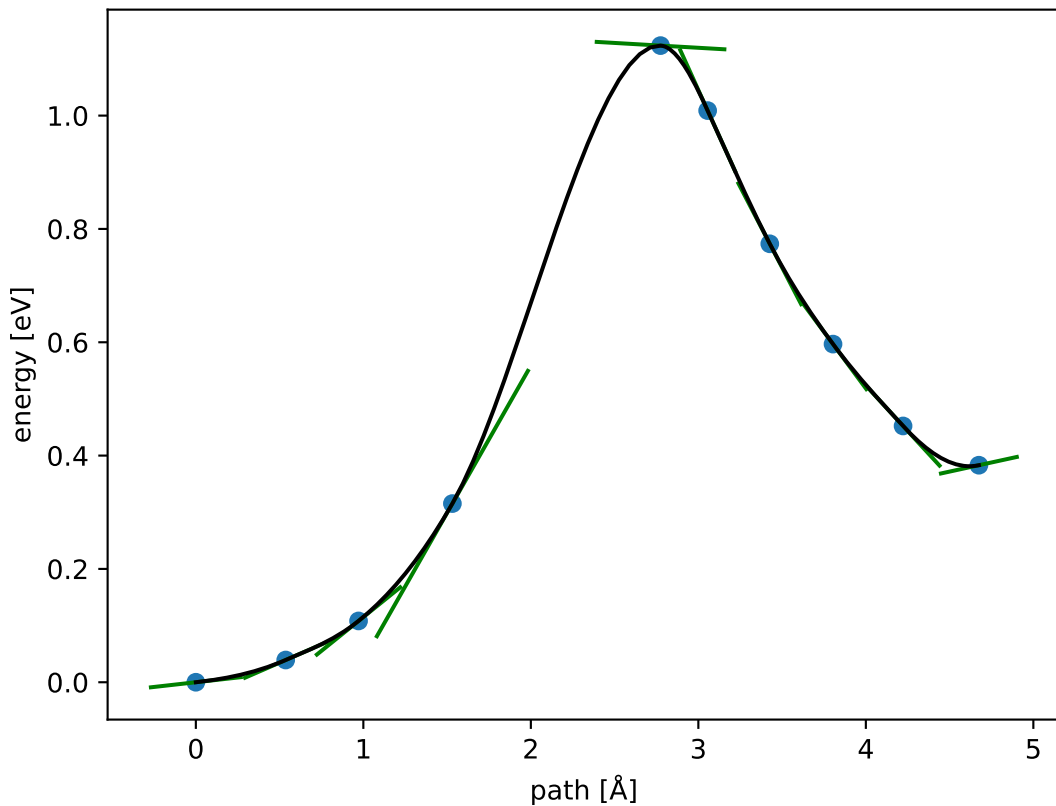
$$E_f \approx 1.125 \text{ eV}; E_r \approx 0.742 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



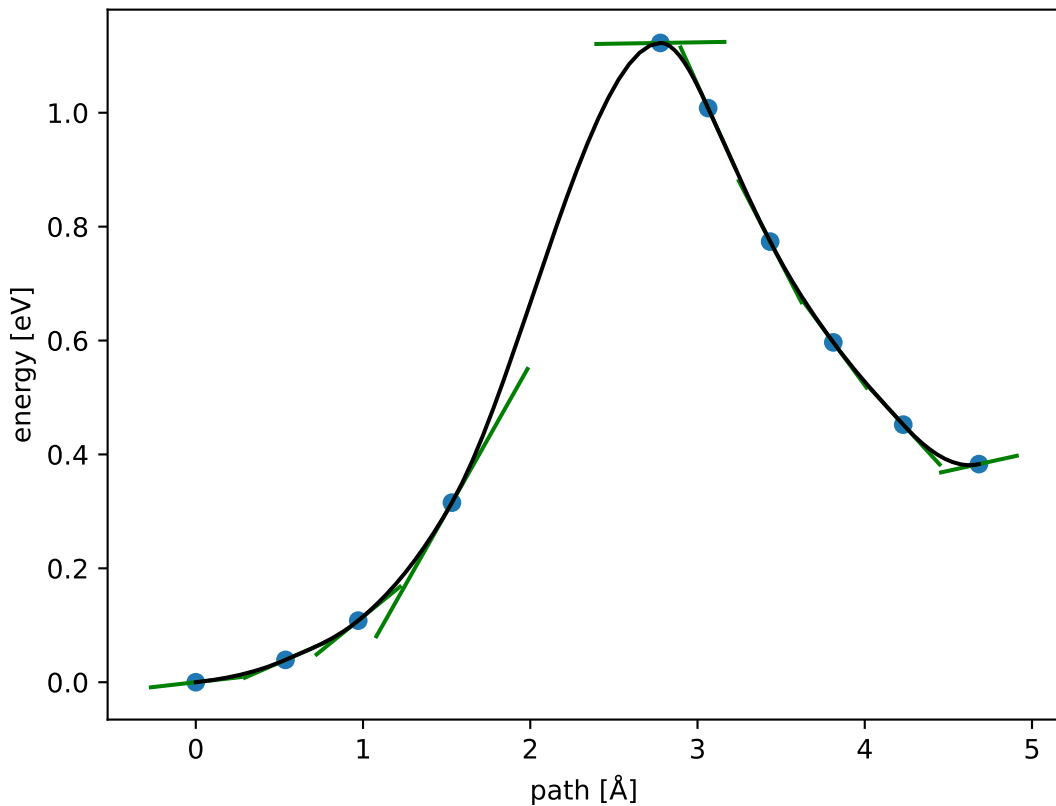
$$E_f \approx 1.124 \text{ eV}; E_r \approx 0.741 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



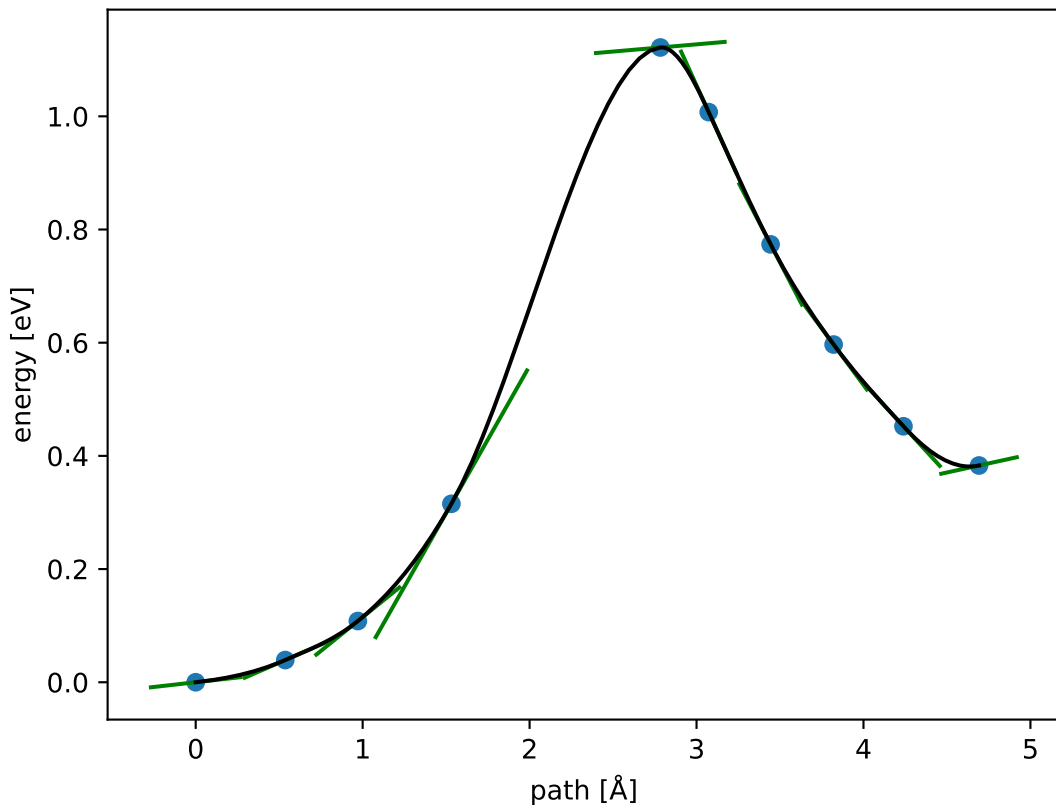
$$E_f \approx 1.124 \text{ eV}; E_r \approx 0.741 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



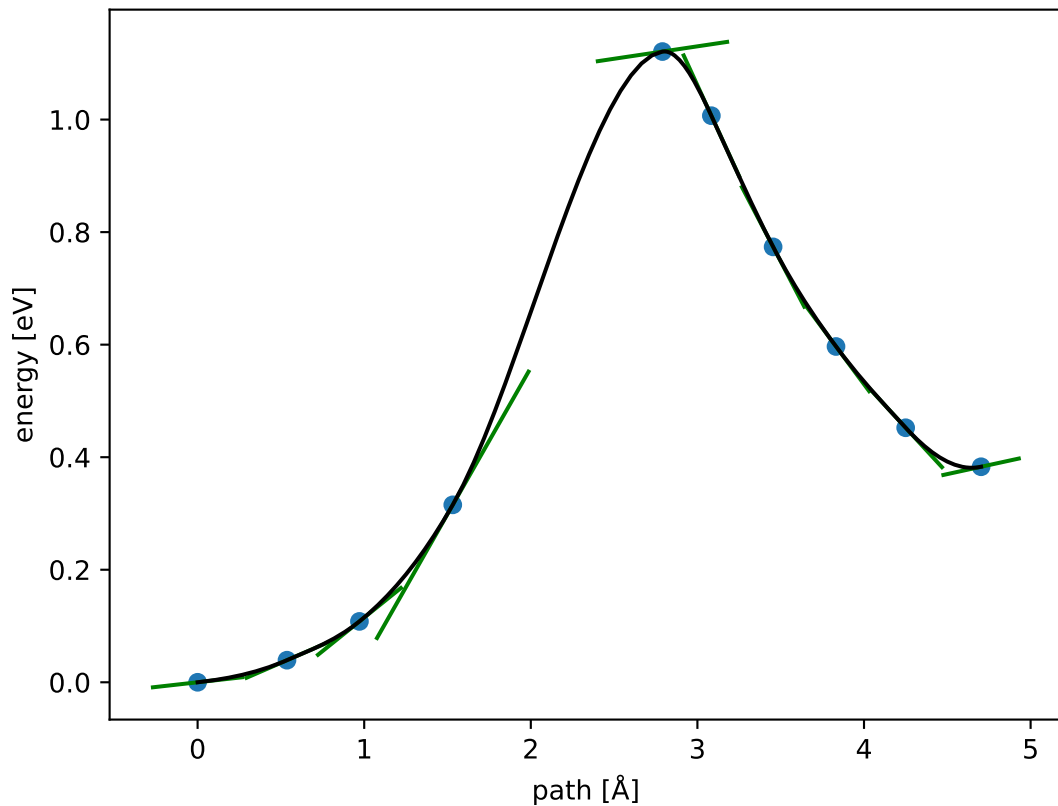
$$E_f \approx 1.123 \text{ eV}; E_r \approx 0.740 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



$$E_f \approx 1.122 \text{ eV}; E_r \approx 0.739 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

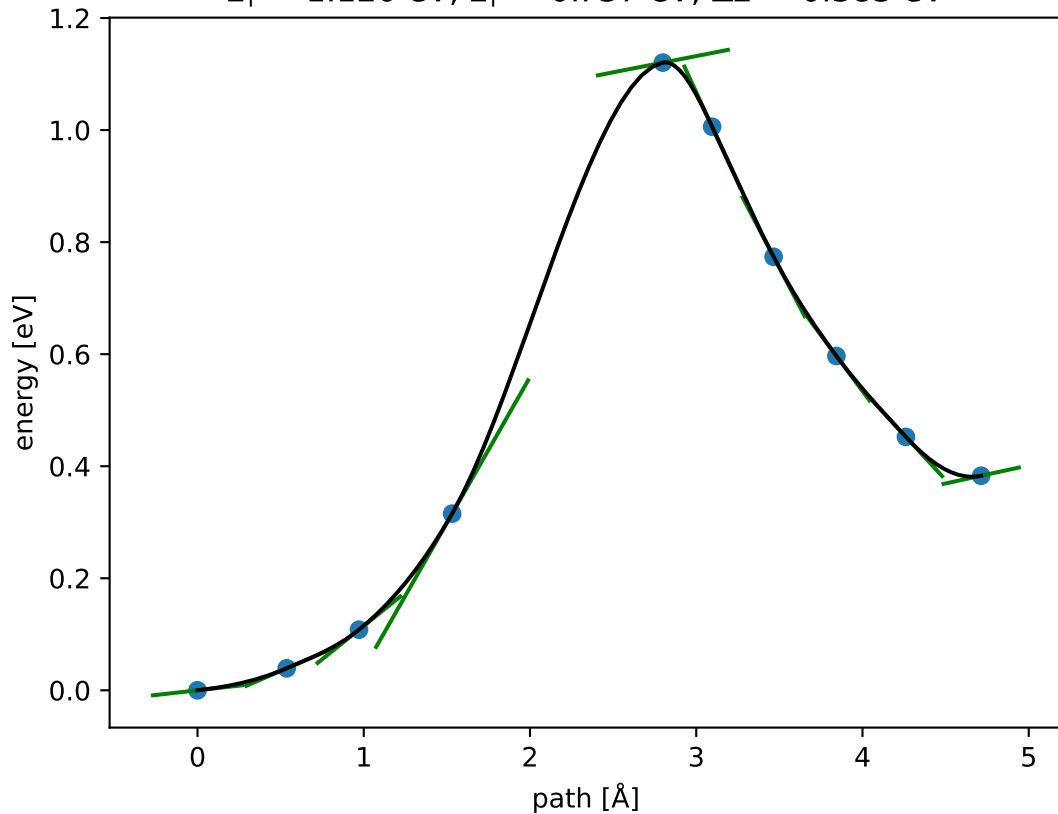


$$E_f \approx 1.121 \text{ eV}; E_r \approx 0.738 \text{ eV}; \Delta E = 0.383 \text{ eV}$$

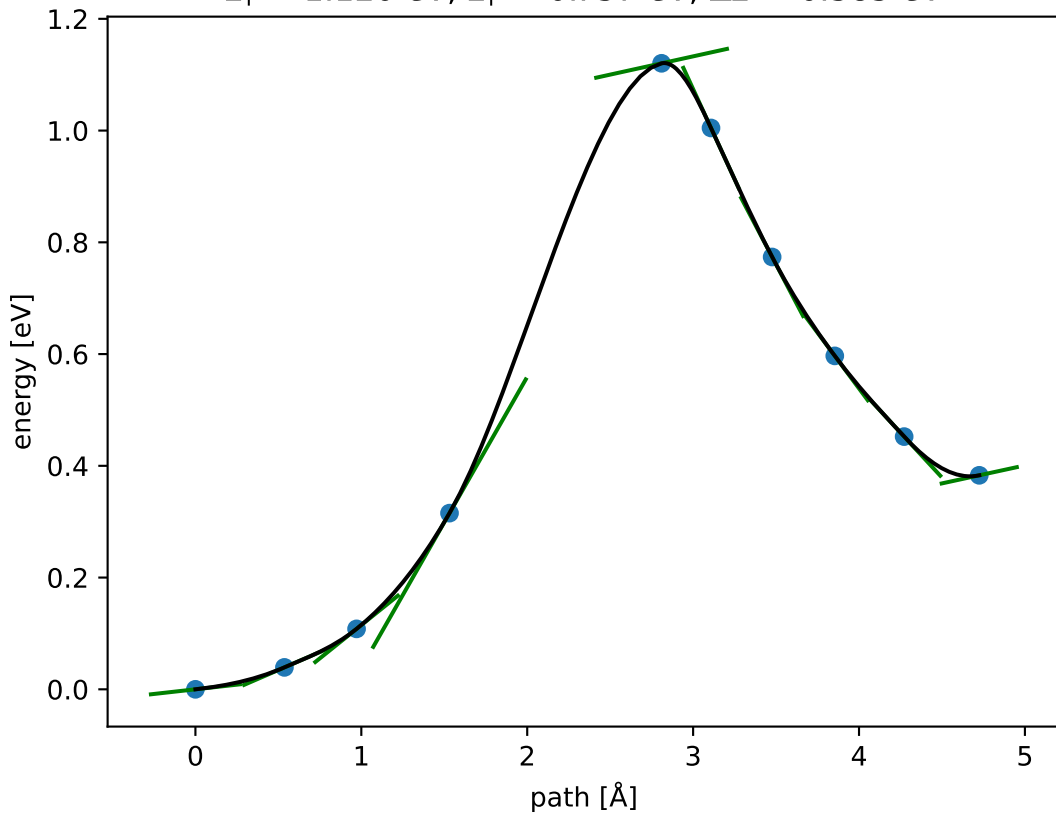




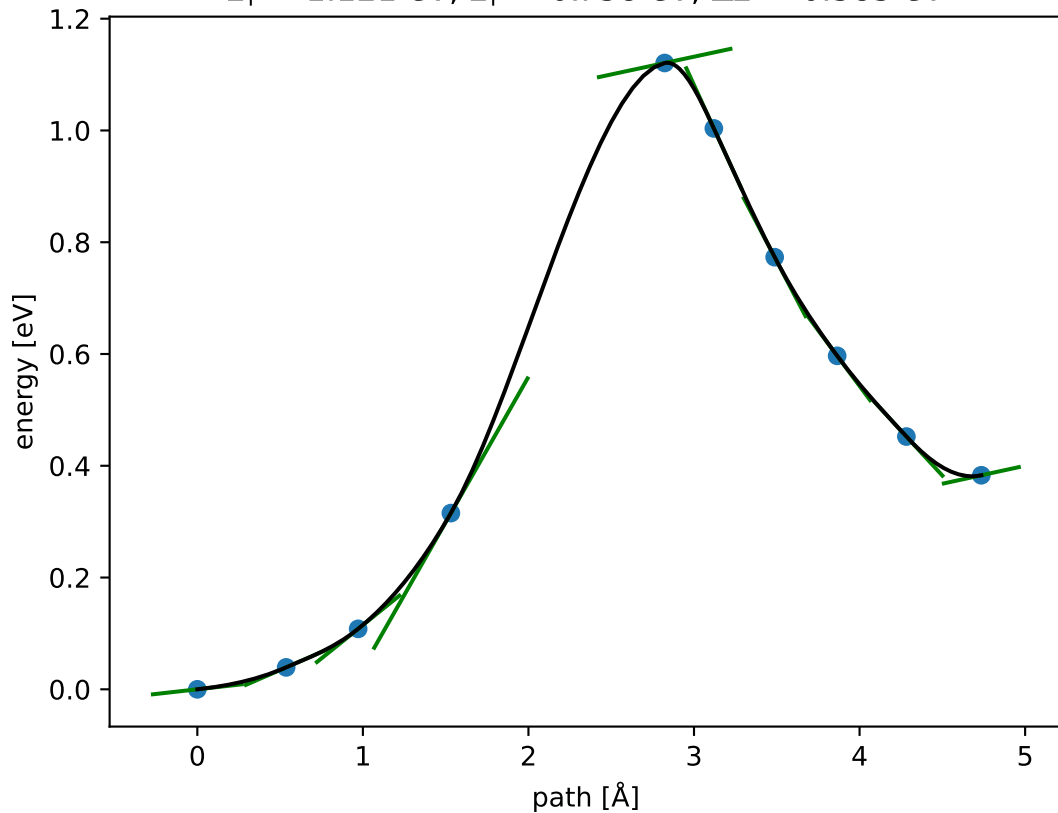
$$E_f \approx 1.120 \text{ eV}; E_r \approx 0.737 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



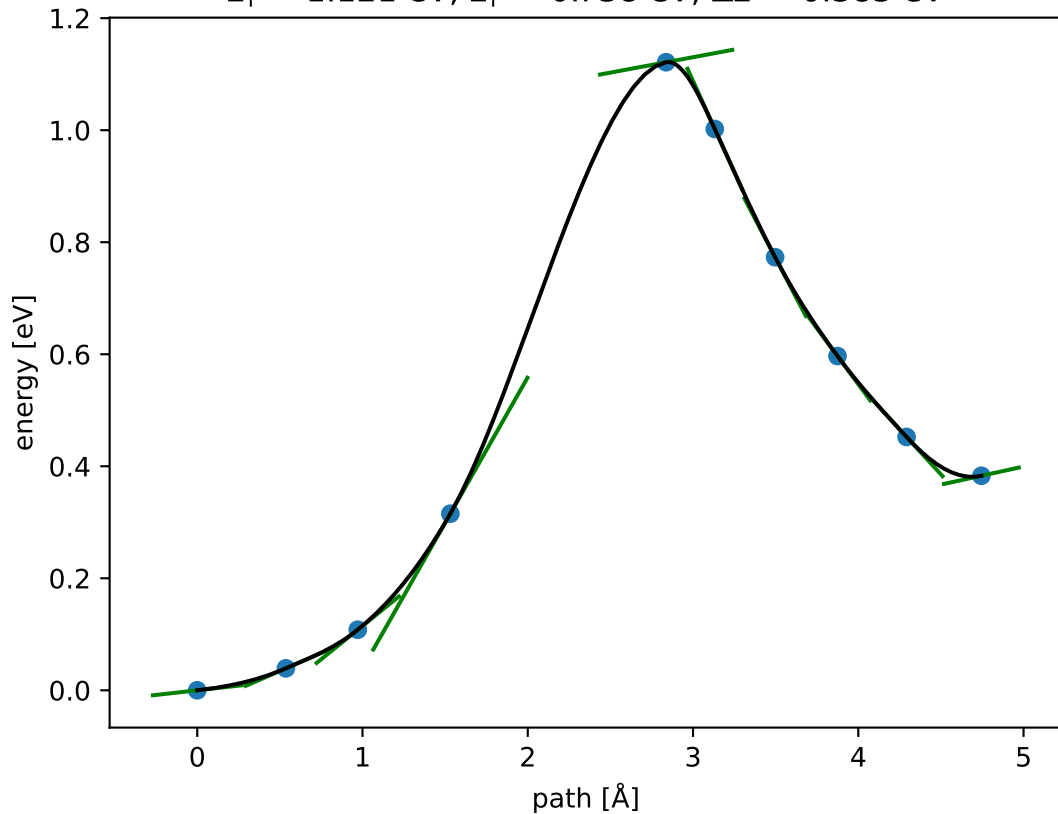
$$E_f \approx 1.120 \text{ eV}; E_r \approx 0.737 \text{ eV}; \Delta E = 0.383 \text{ eV}$$



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