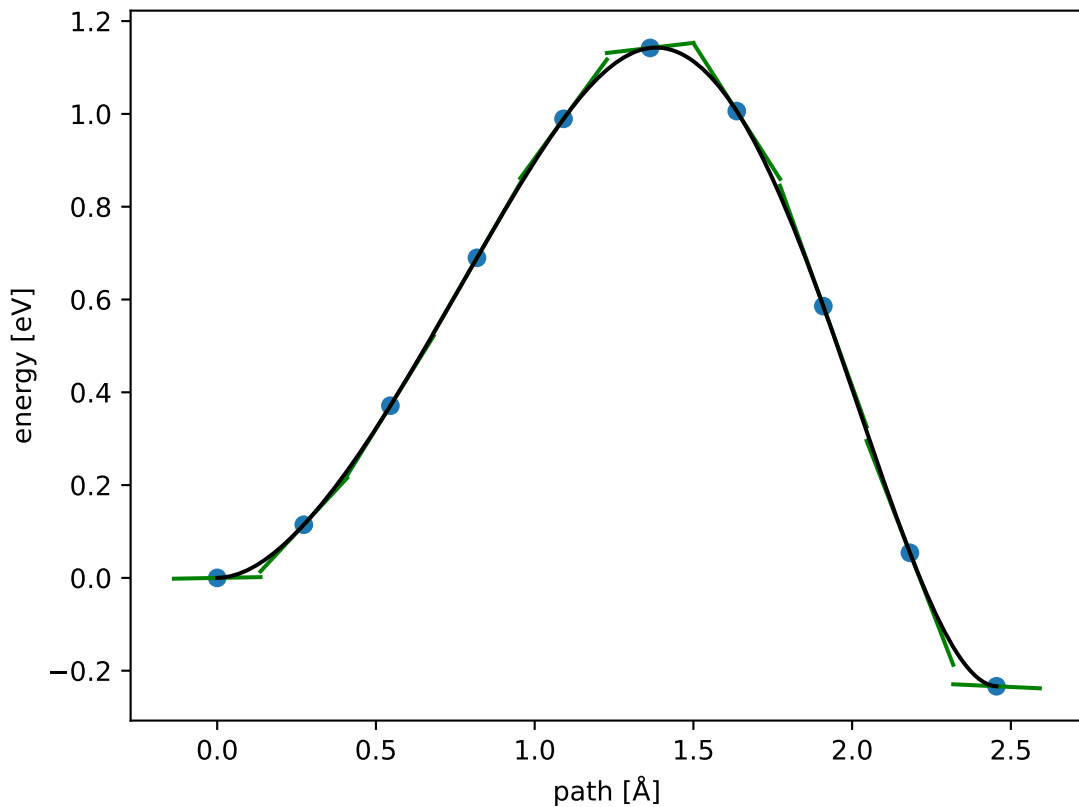
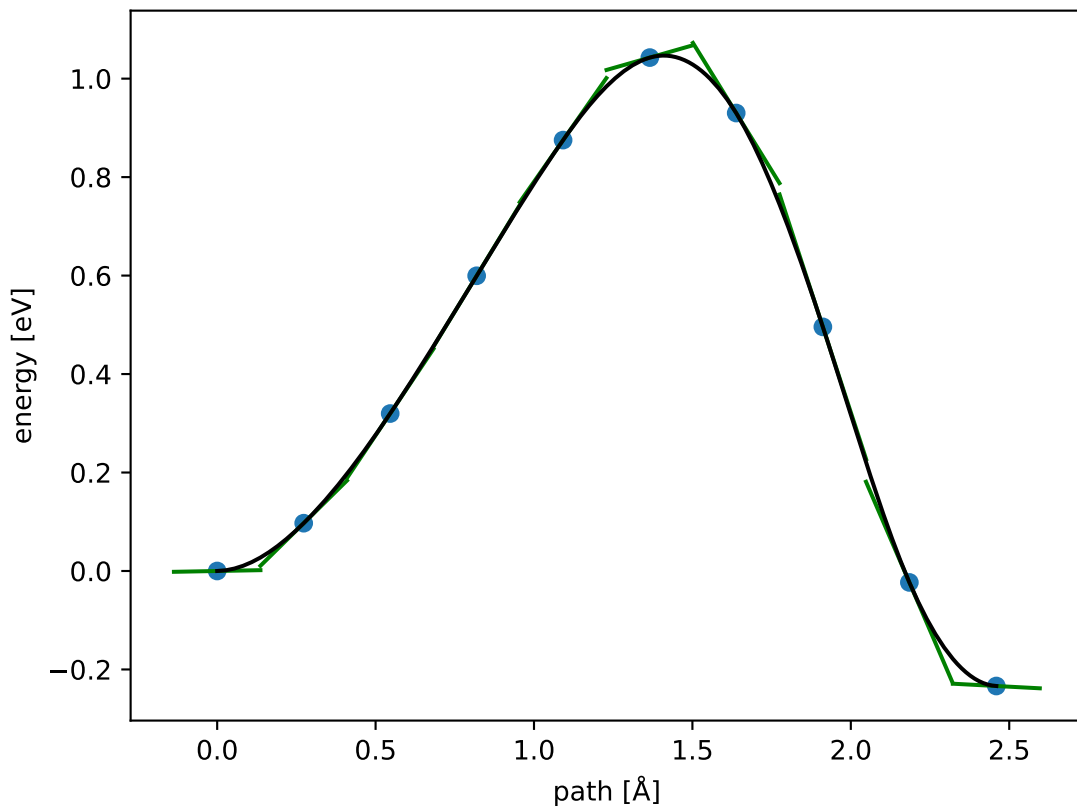


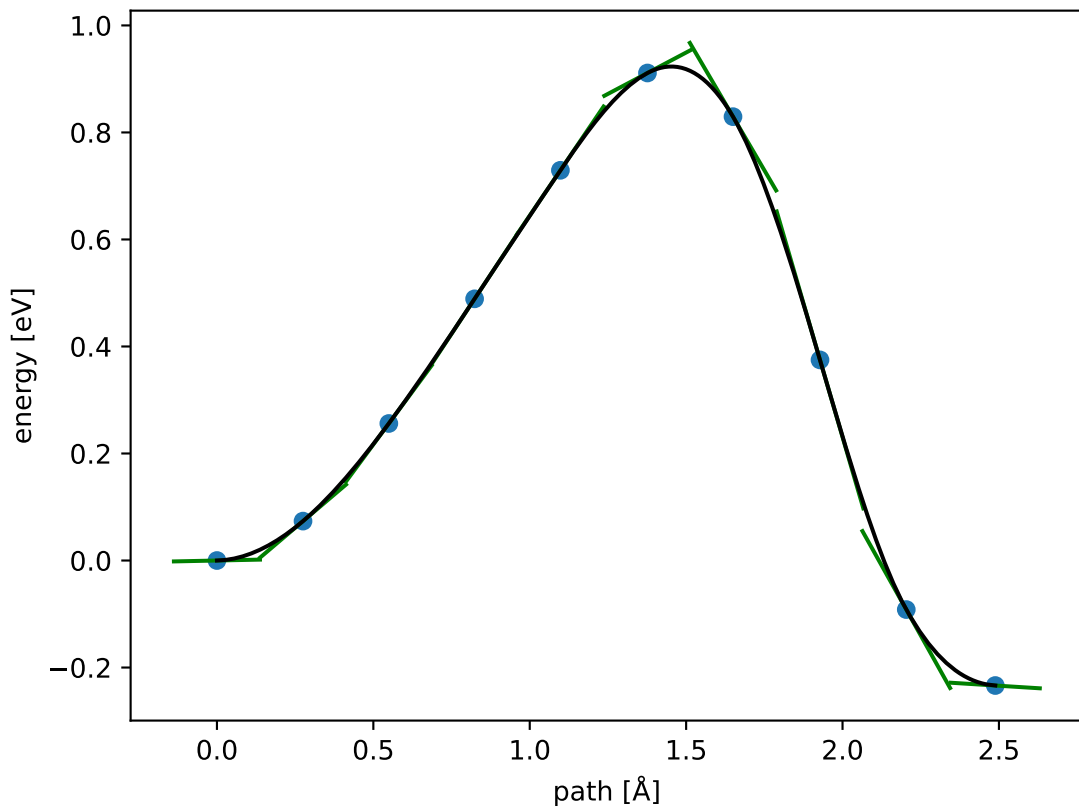
$$E_f \approx 1.142 \text{ eV}; E_r \approx 1.376 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



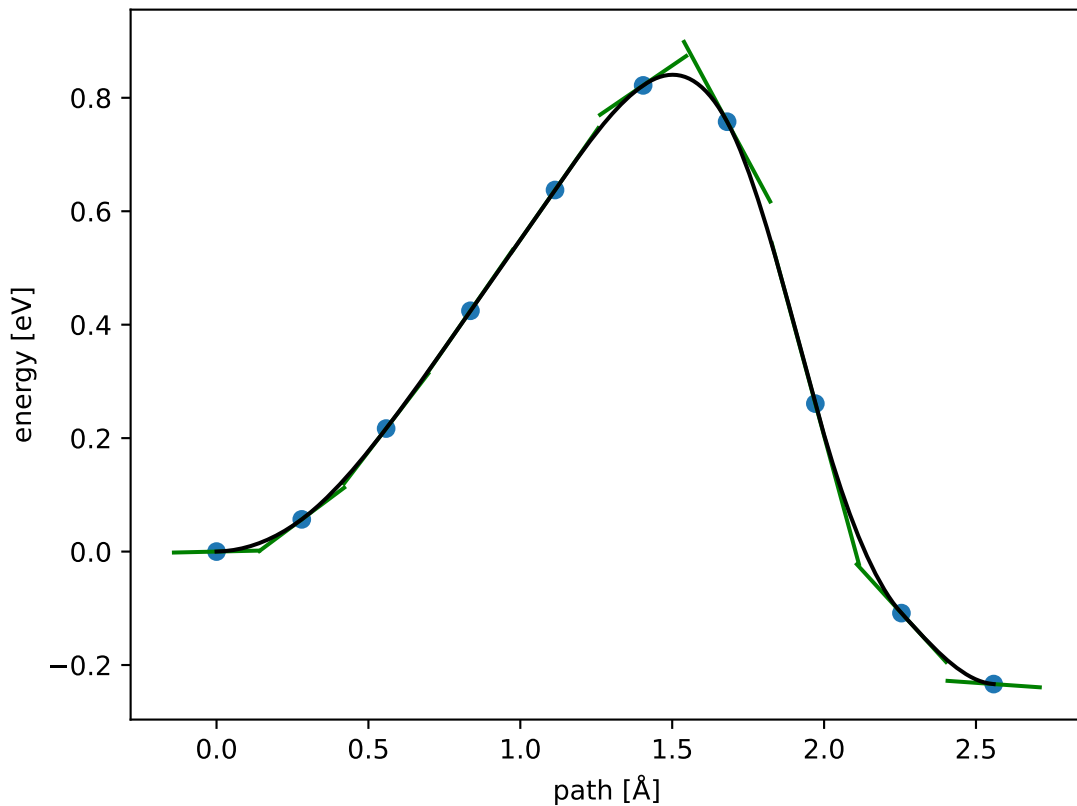
$$E_f \approx 1.043 \text{ eV}; E_r \approx 1.276 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



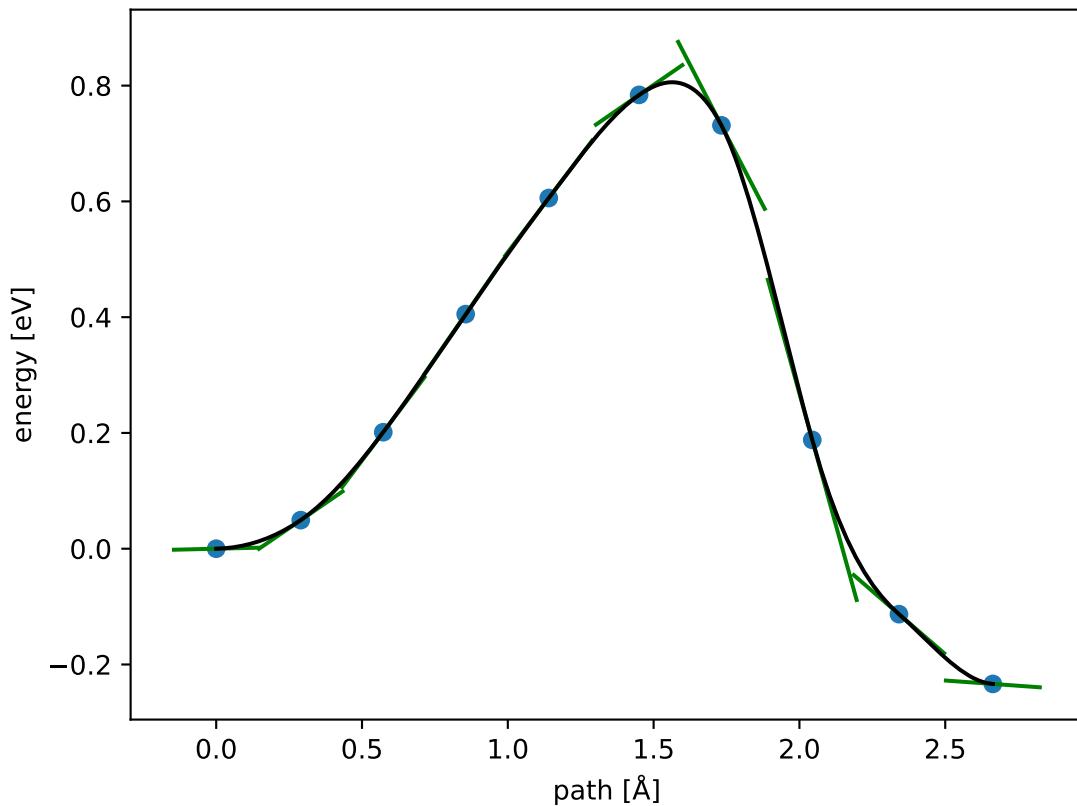
$$E_f \approx 0.911 \text{ eV}; E_r \approx 1.145 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



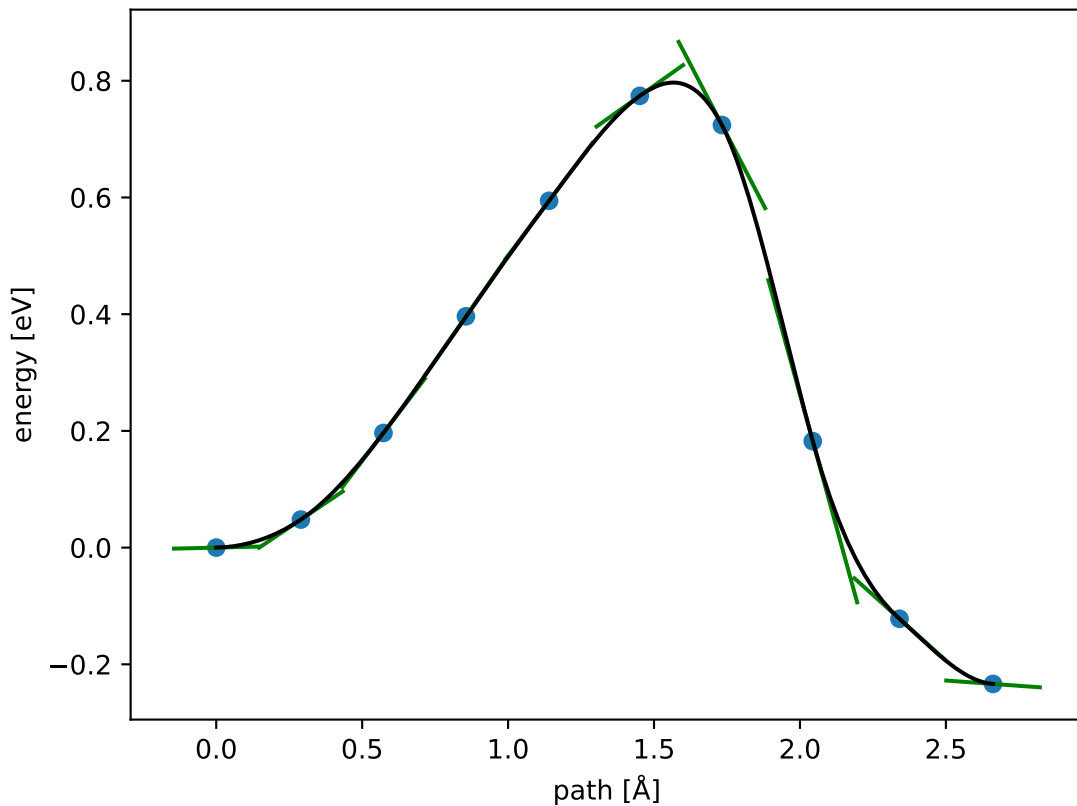
$$E_f \approx 0.822 \text{ eV}; E_r \approx 1.055 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



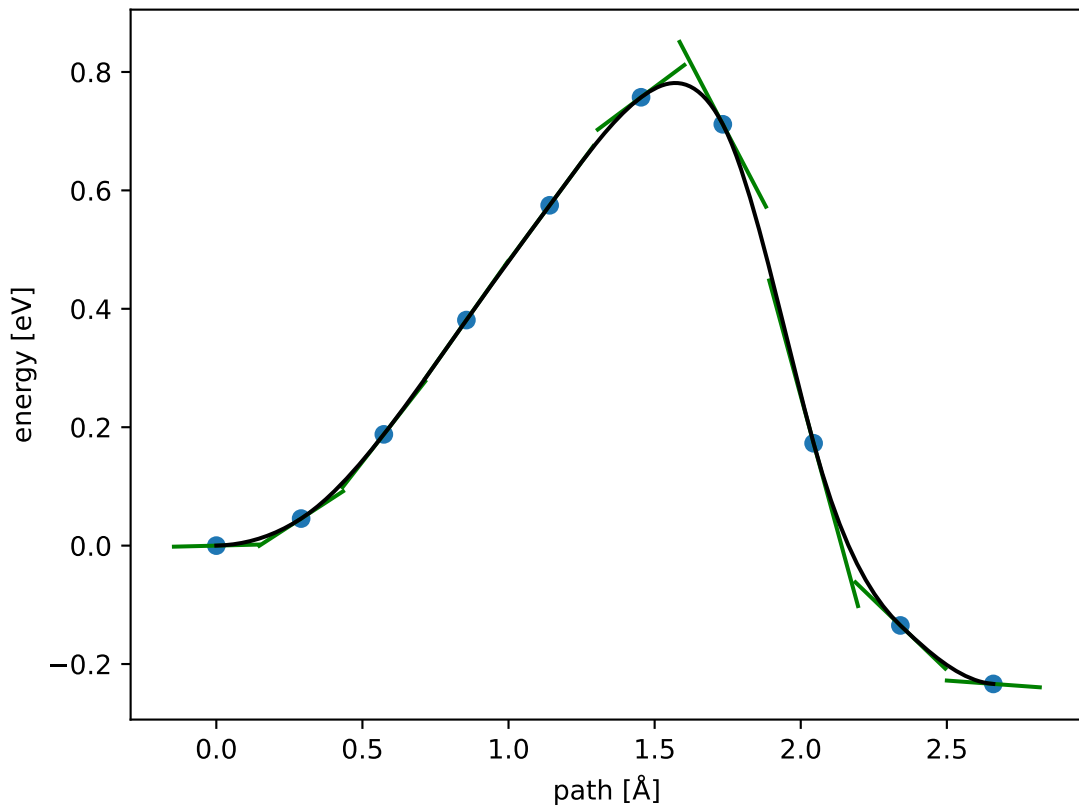
$$E_f \approx 0.784 \text{ eV}; E_r \approx 1.018 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



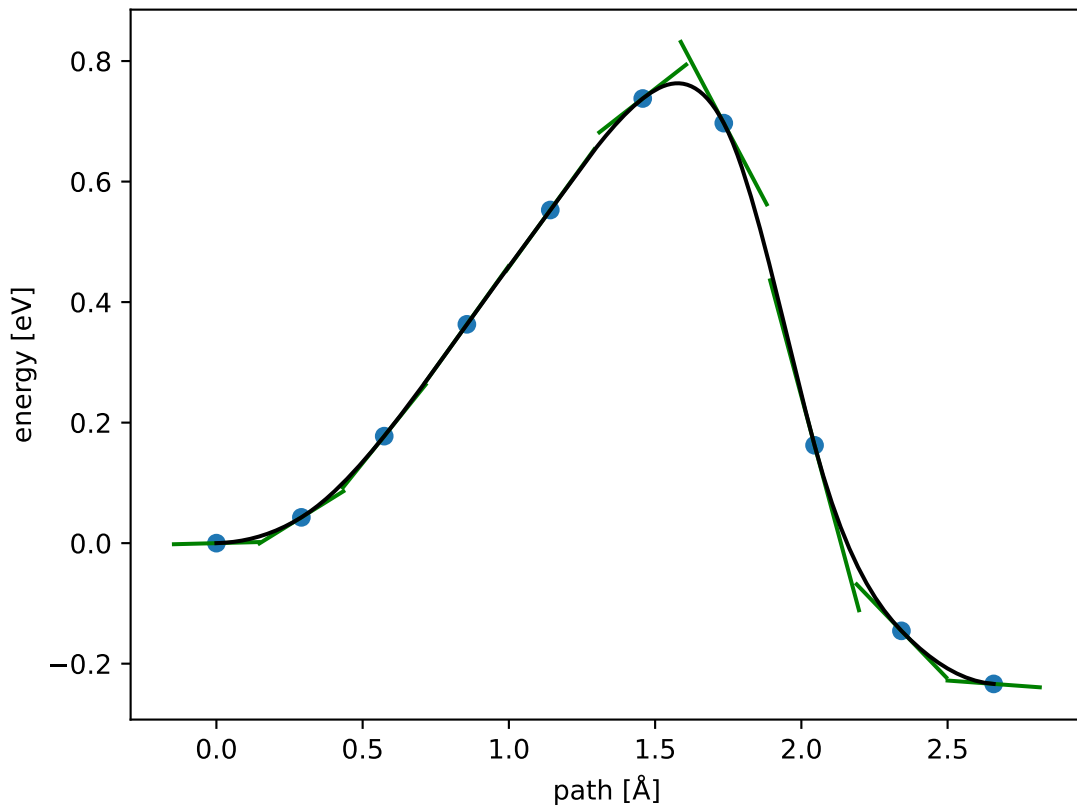
$$E_f \approx 0.774 \text{ eV}; E_r \approx 1.008 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.757 \text{ eV}; E_r \approx 0.991 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

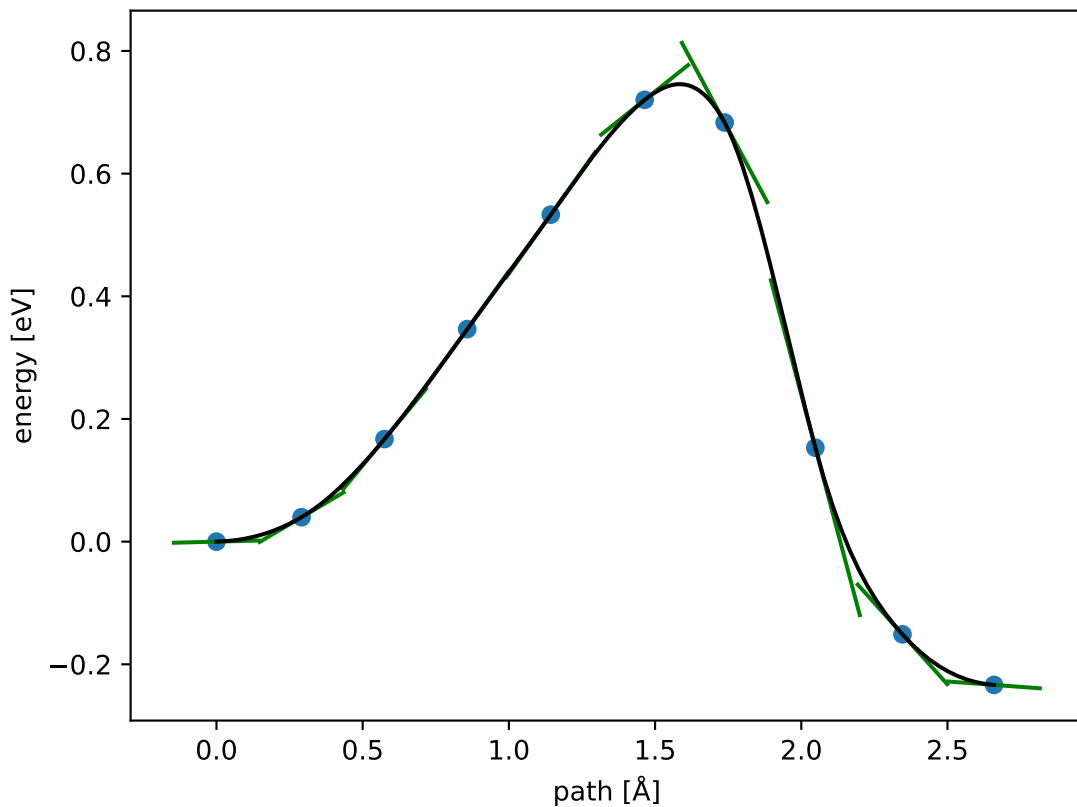


$$E_f \approx 0.738 \text{ eV}; E_r \approx 0.971 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

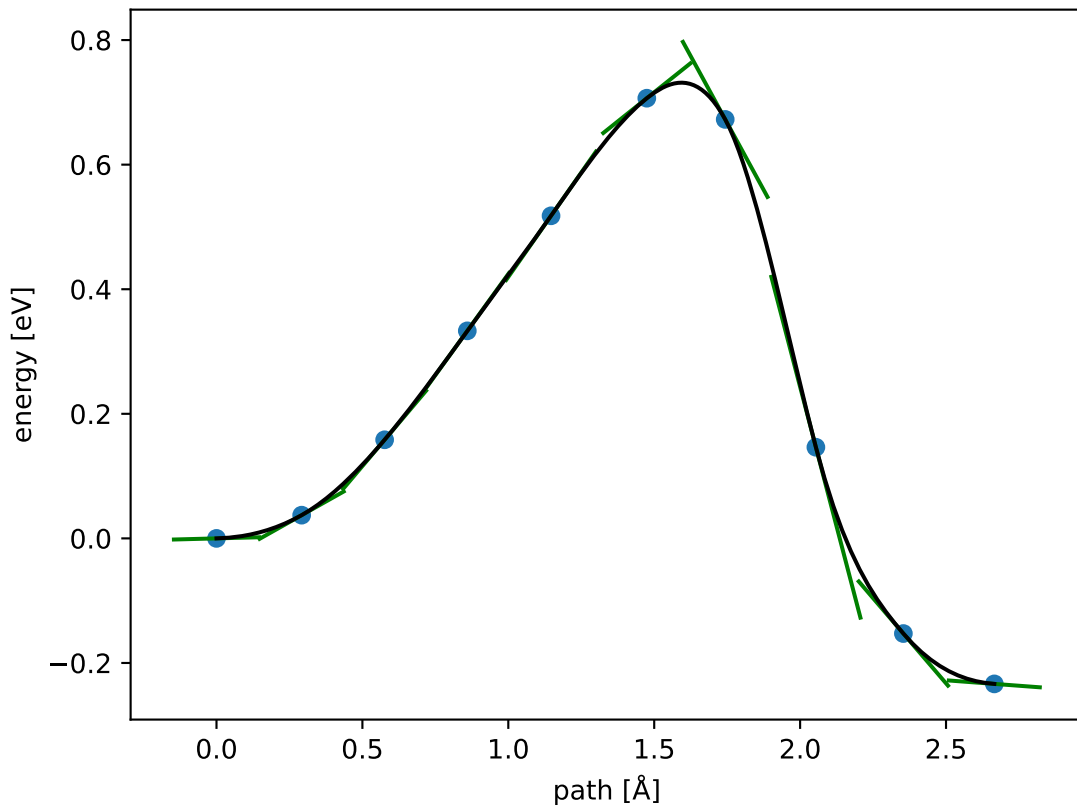




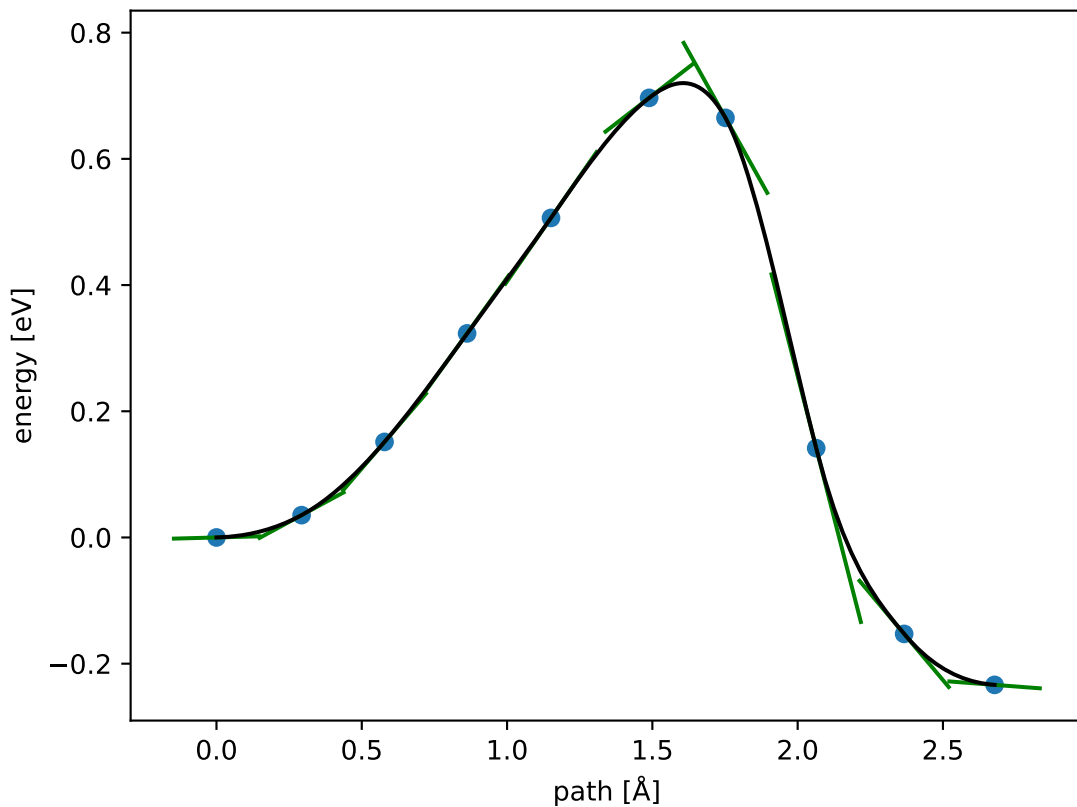
$$E_f \approx 0.720 \text{ eV}; E_r \approx 0.954 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



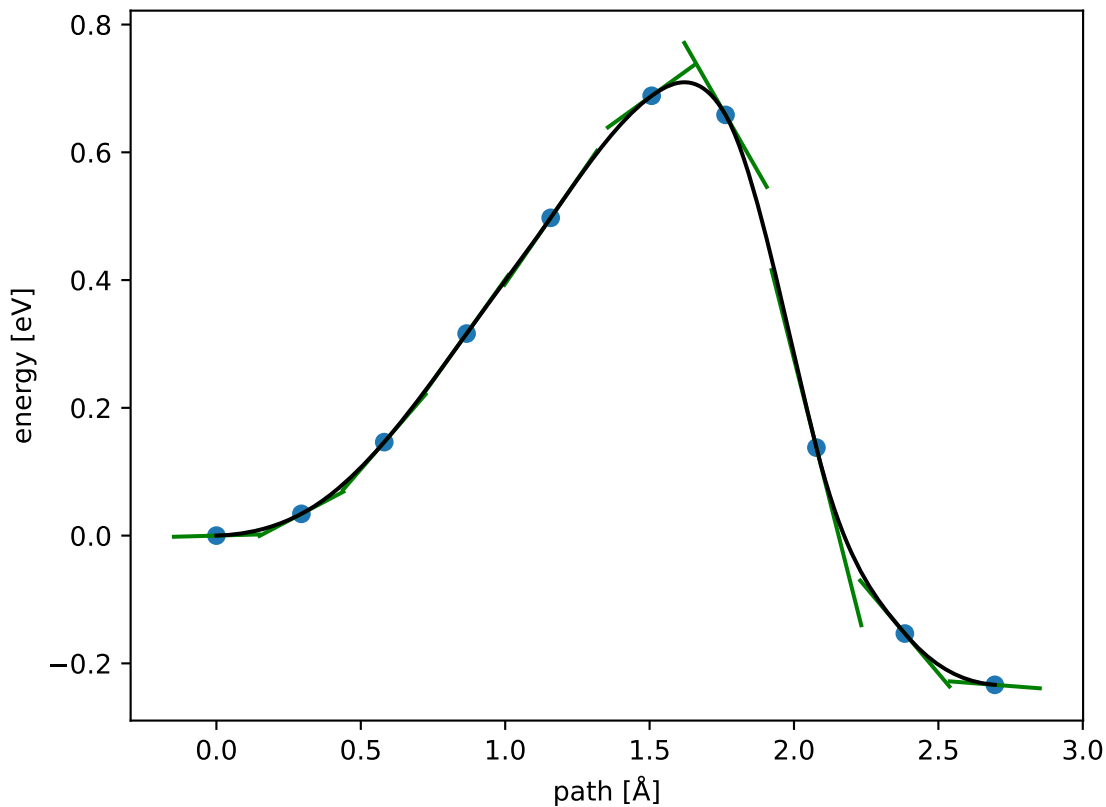
$$E_f \approx 0.707 \text{ eV}; E_r \approx 0.940 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



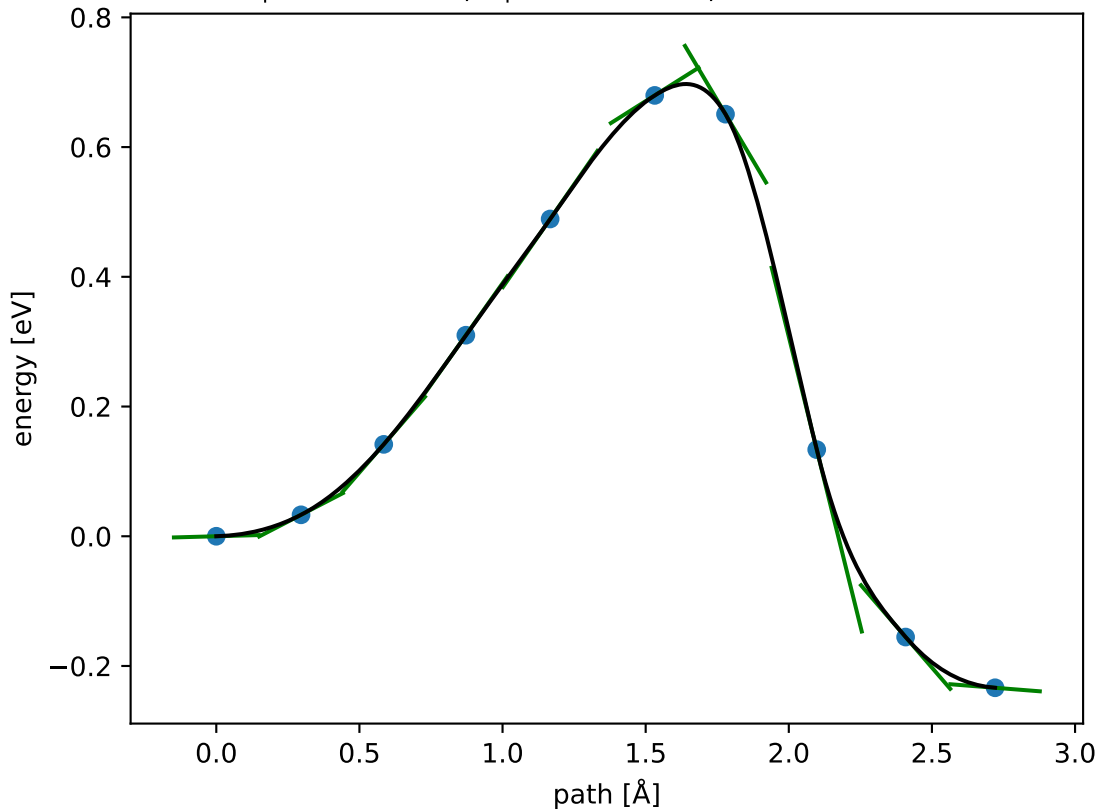
$$E_f \approx 0.697 \text{ eV}; E_r \approx 0.930 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



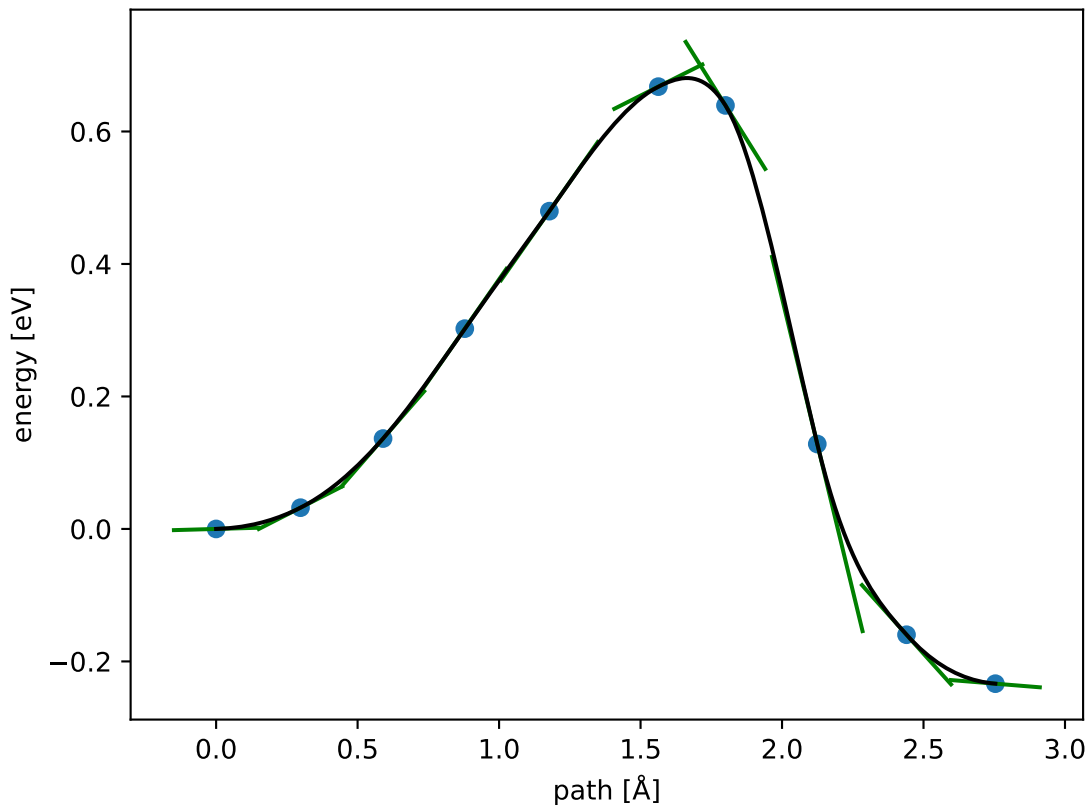
$$E_f \approx 0.689 \text{ eV}; E_r \approx 0.922 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



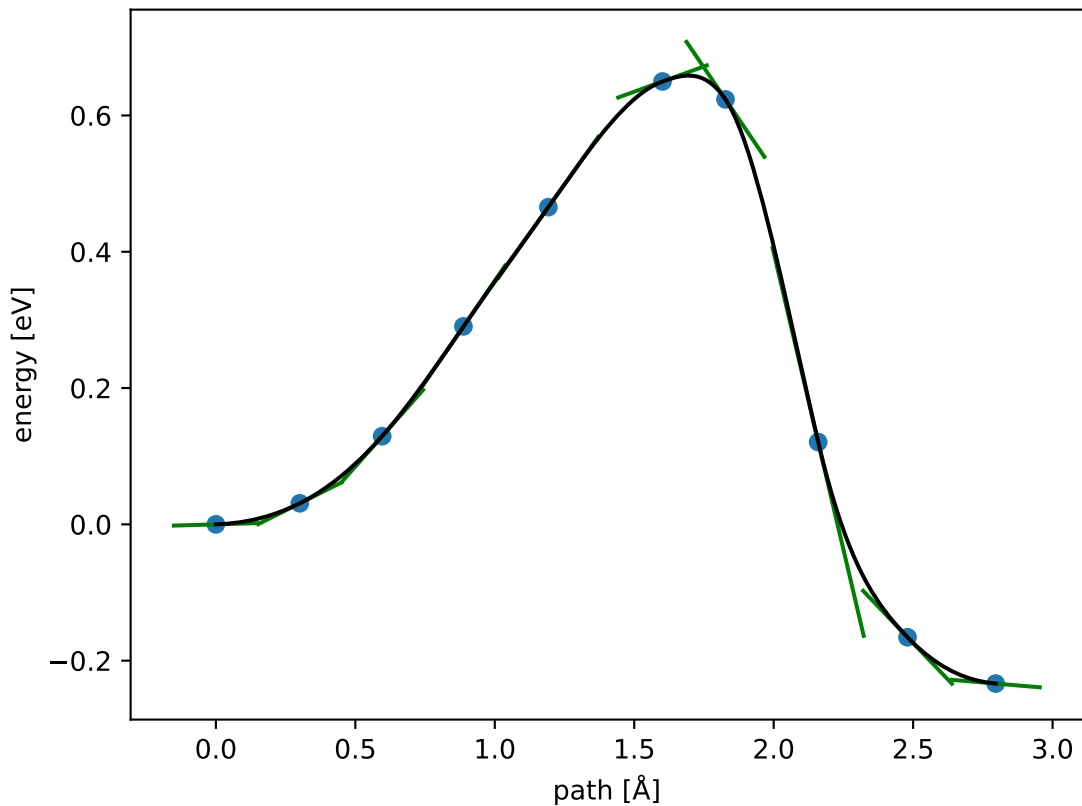
$$E_f \approx 0.680 \text{ eV}; E_r \approx 0.913 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



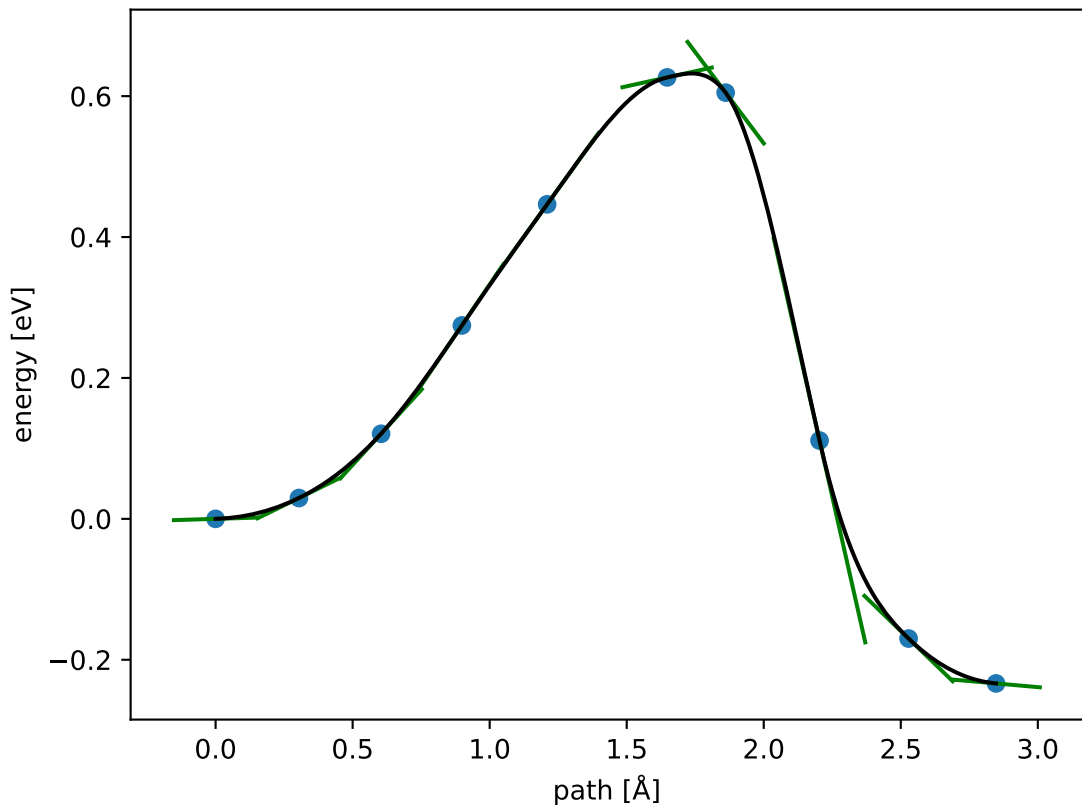
$$E_f \approx 0.668 \text{ eV}; E_r \approx 0.901 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.650 \text{ eV}; E_r \approx 0.883 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

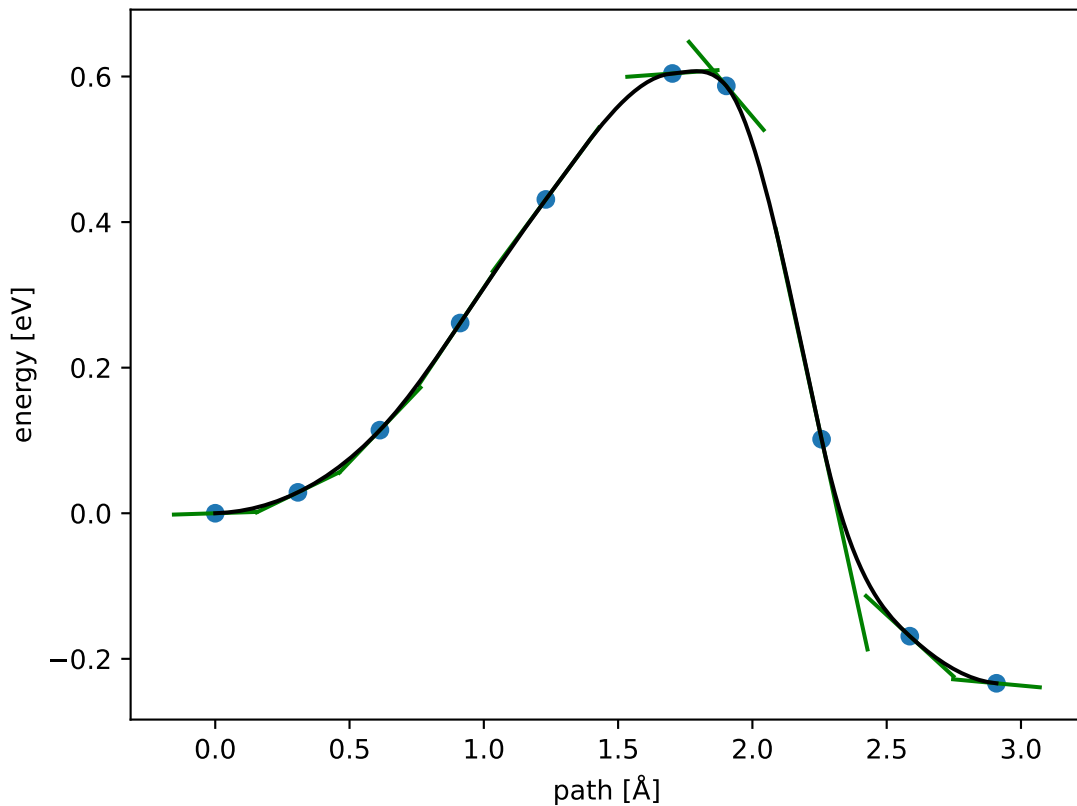


$$E_f \approx 0.627 \text{ eV}; E_r \approx 0.860 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

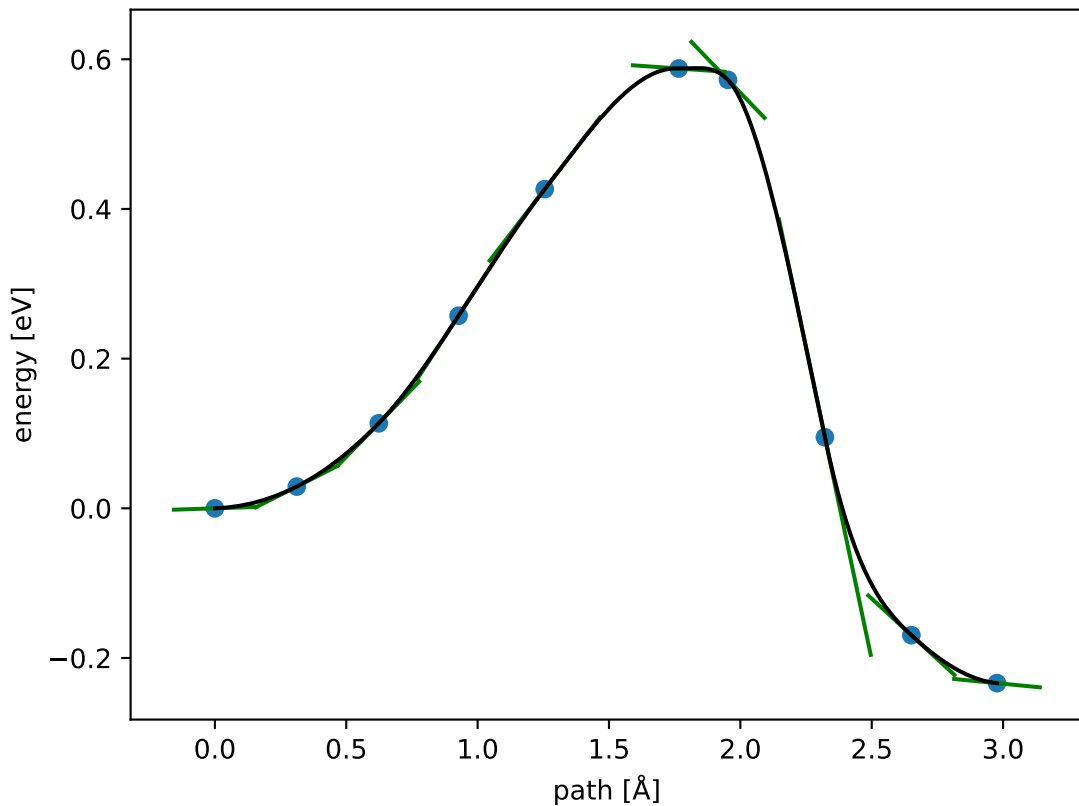




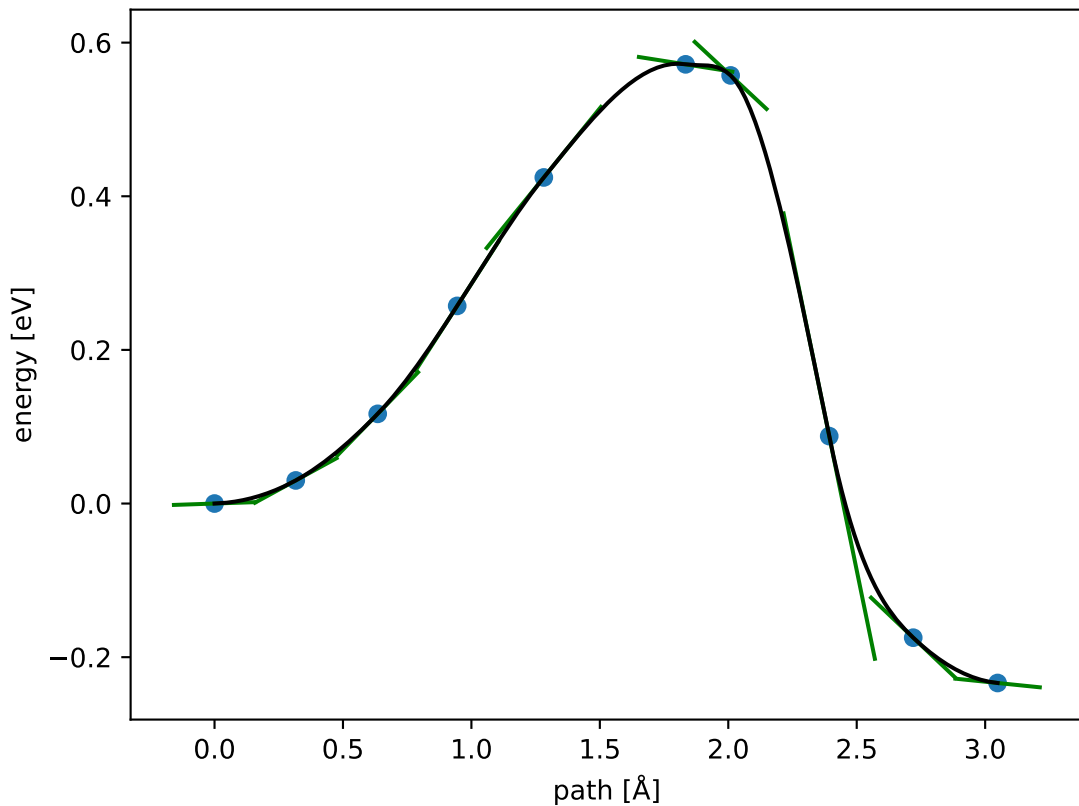
$$E_f \approx 0.604 \text{ eV}; E_r \approx 0.838 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



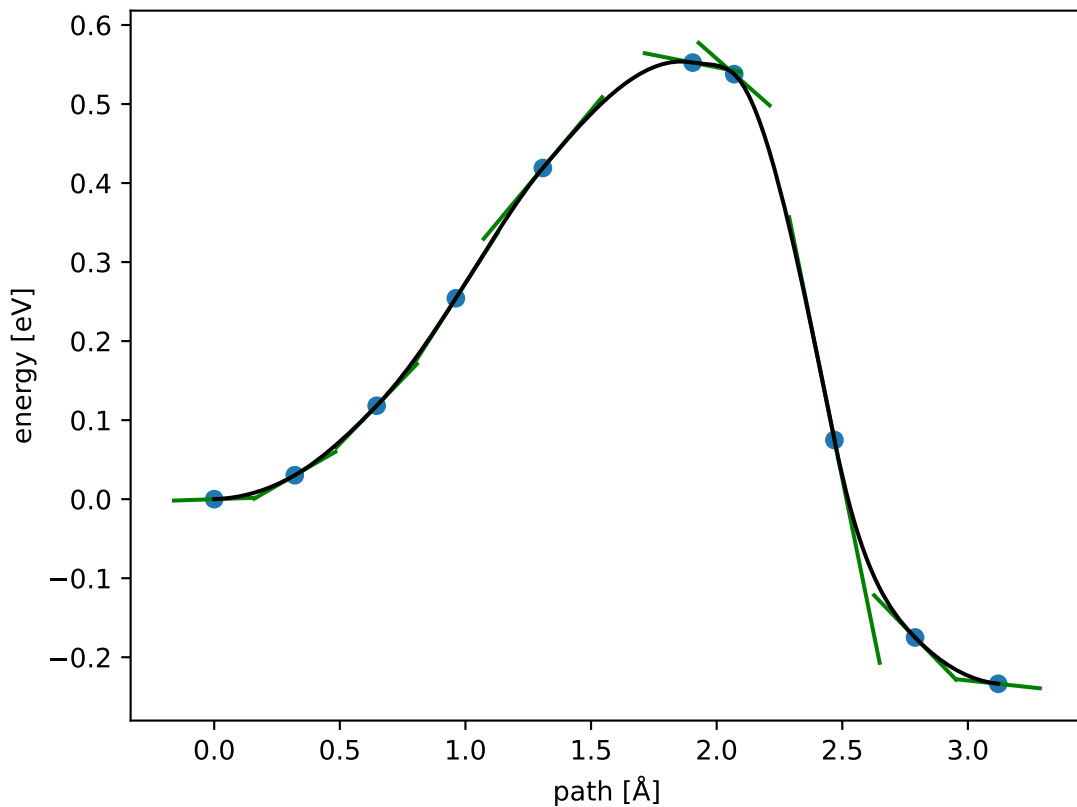
$$E_f \approx 0.588 \text{ eV}; E_r \approx 0.821 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



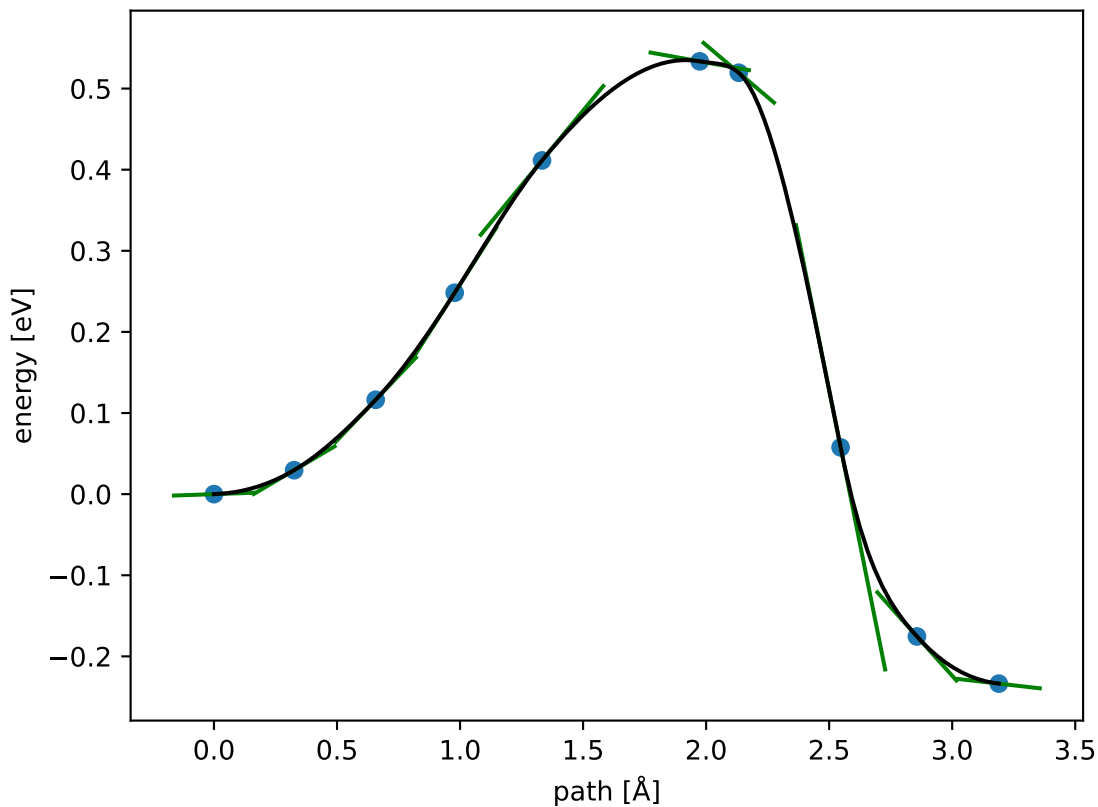
$$E_f \approx 0.572 \text{ eV}; E_r \approx 0.805 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



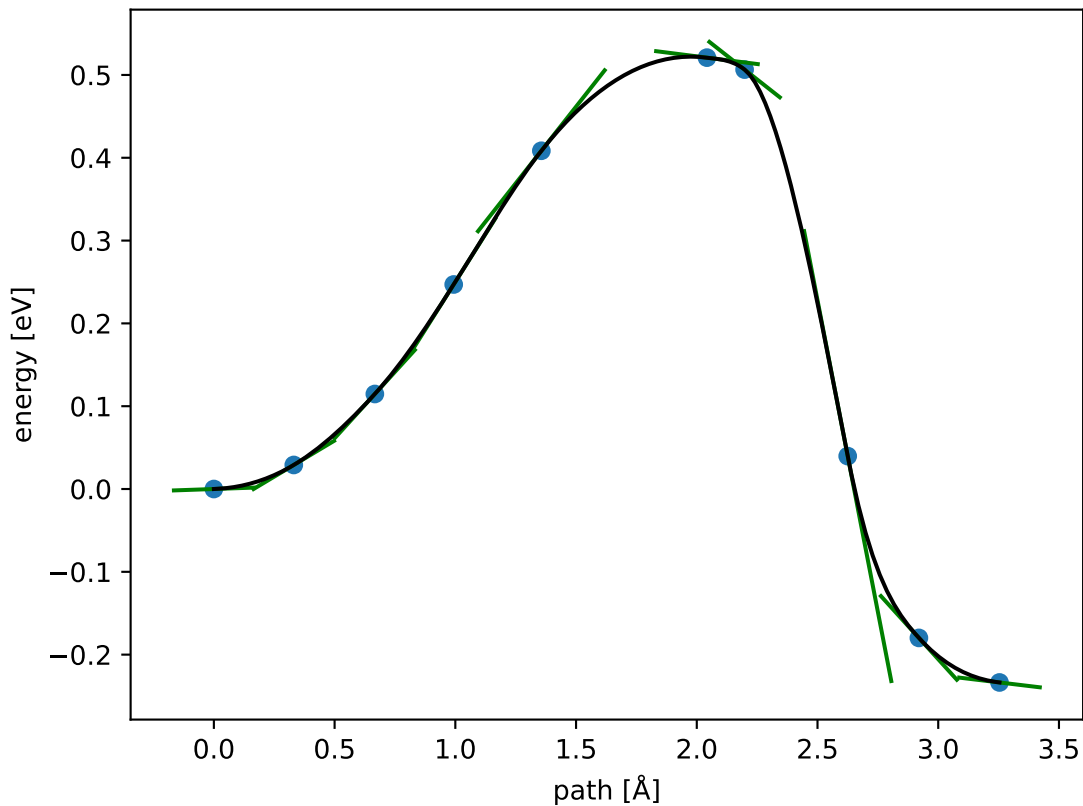
$$E_f \approx 0.552 \text{ eV}; E_r \approx 0.786 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



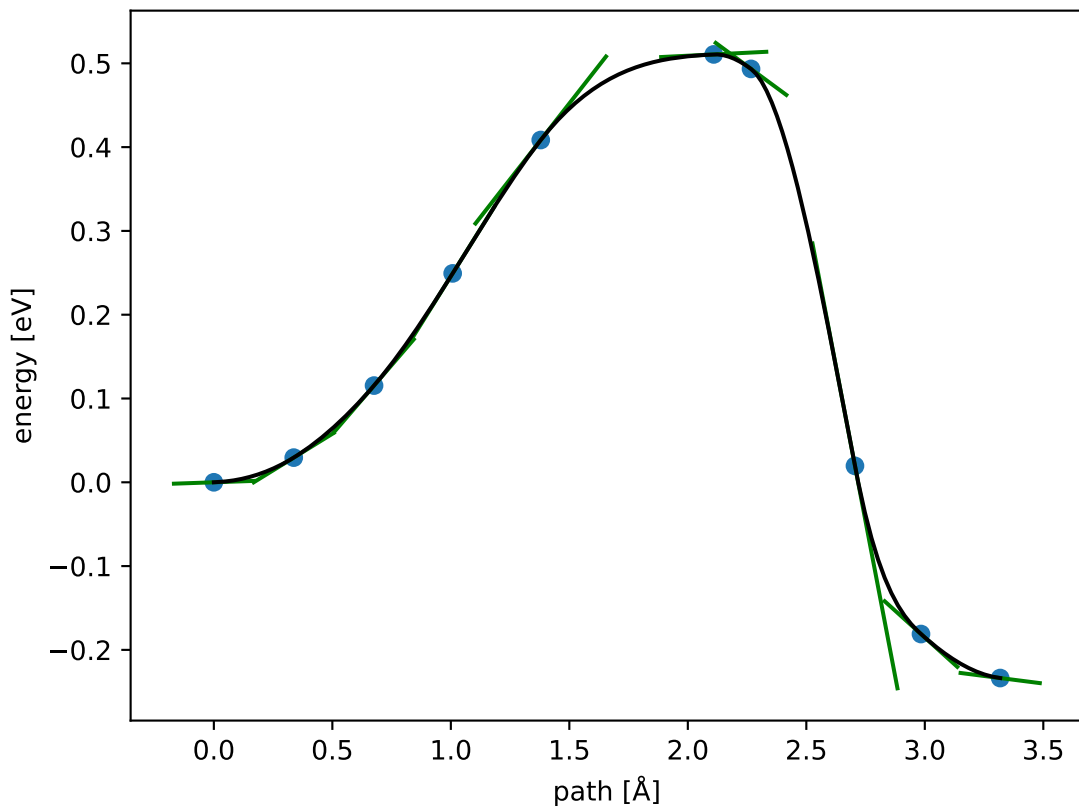
$$E_f \approx 0.534 \text{ eV}; E_r \approx 0.767 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



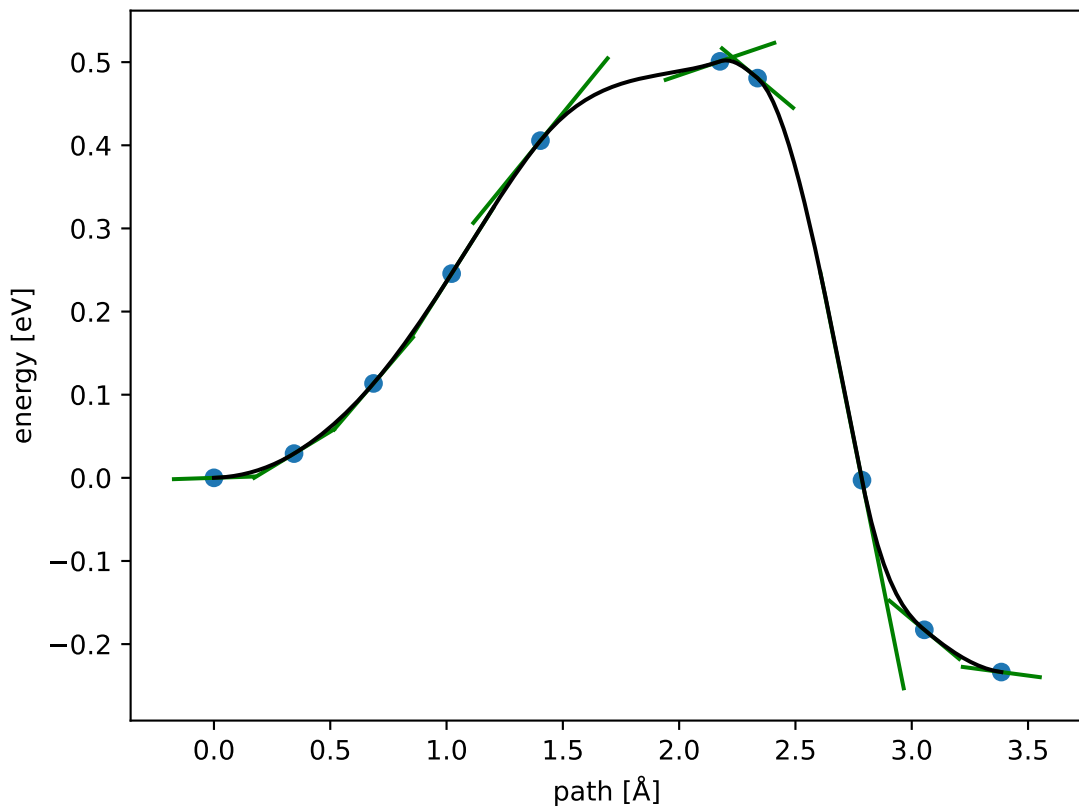
$$E_f \approx 0.521 \text{ eV}; E_r \approx 0.755 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.511 \text{ eV}; E_r \approx 0.744 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

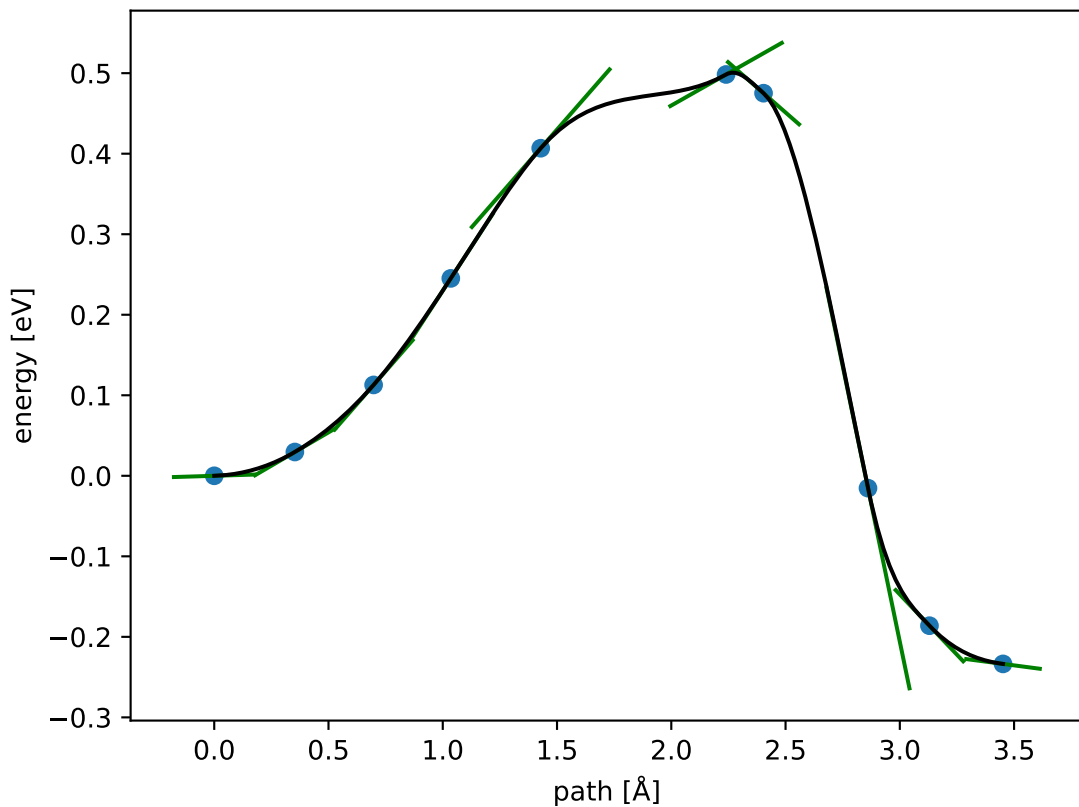


$$E_f \approx 0.501 \text{ eV}; E_r \approx 0.735 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

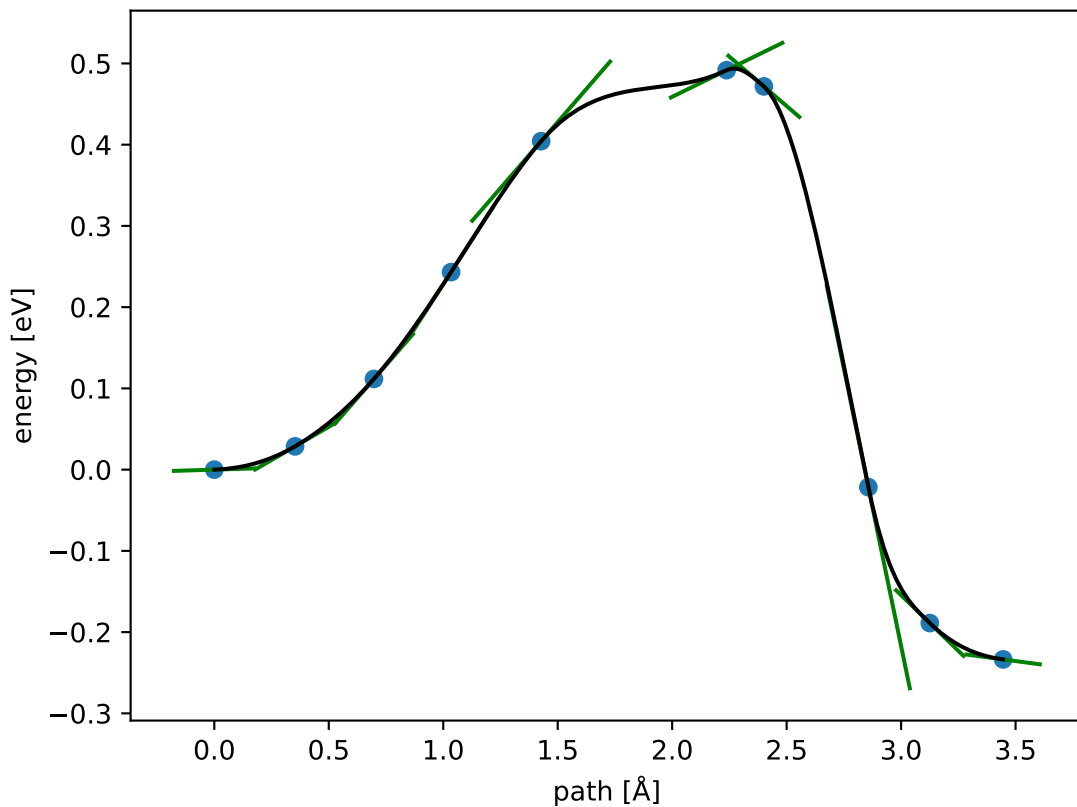




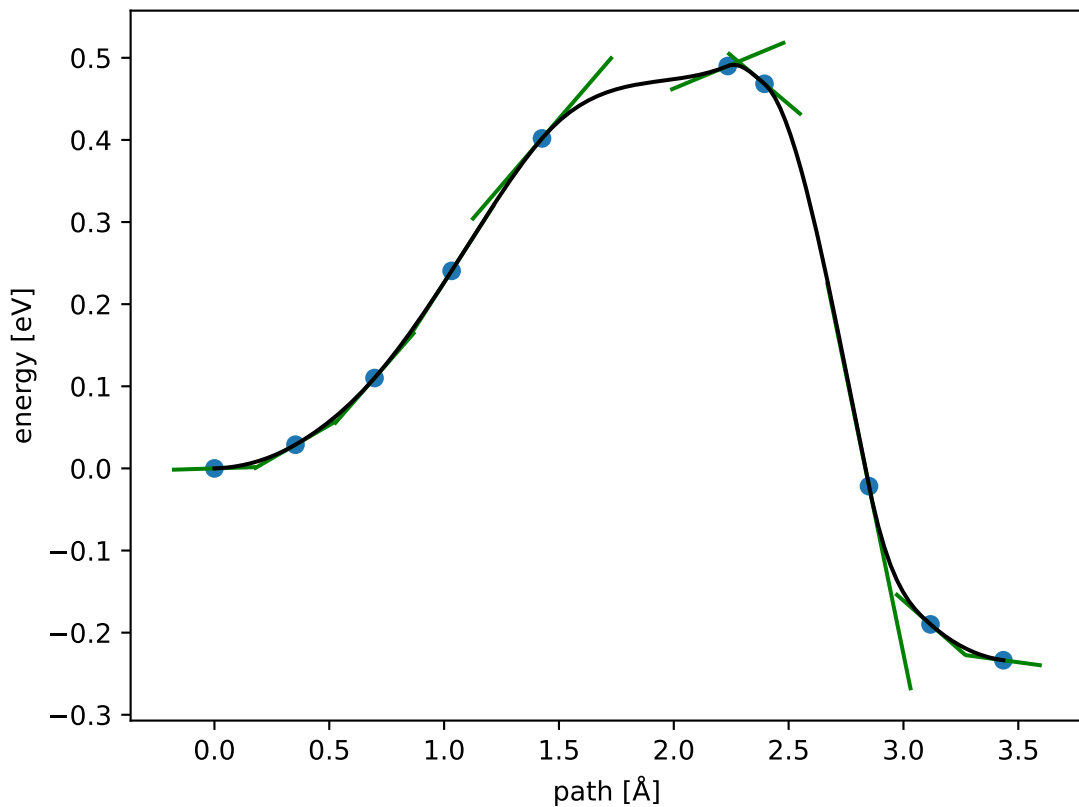
$$E_f \approx 0.498 \text{ eV}; E_r \approx 0.732 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



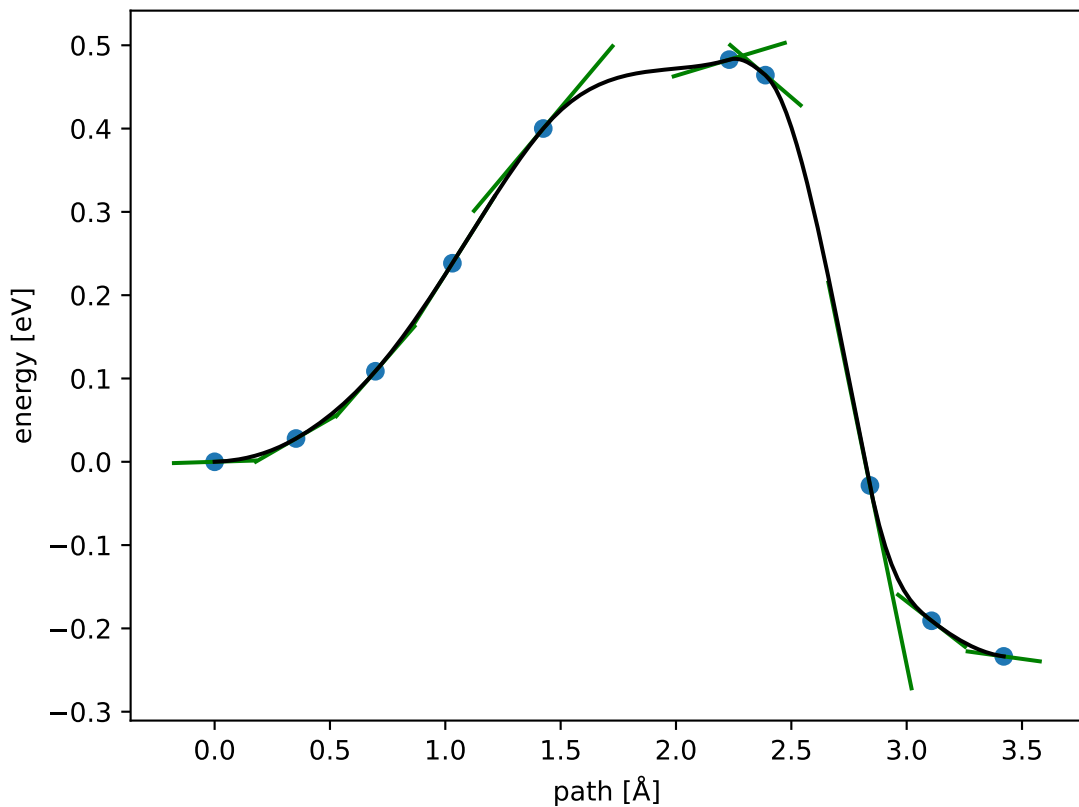
$$E_f \approx 0.492 \text{ eV}; E_r \approx 0.725 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



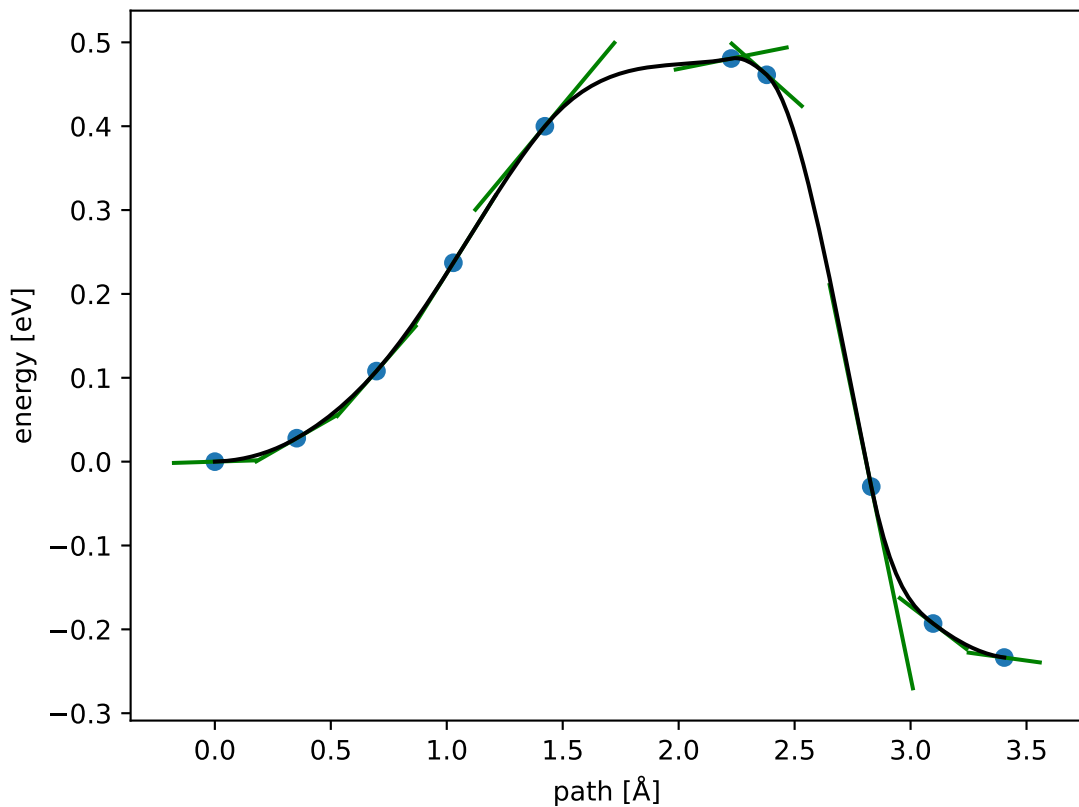
$$E_f \approx 0.490 \text{ eV}; E_r \approx 0.724 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



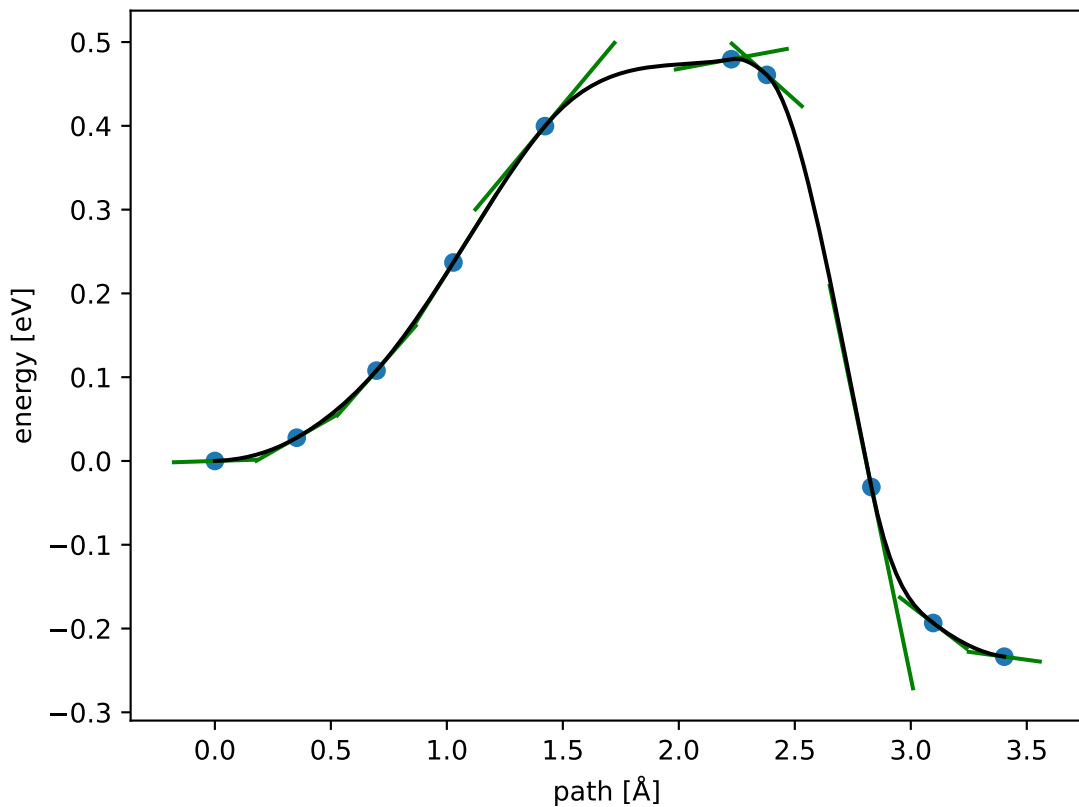
$$E_f \approx 0.483 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



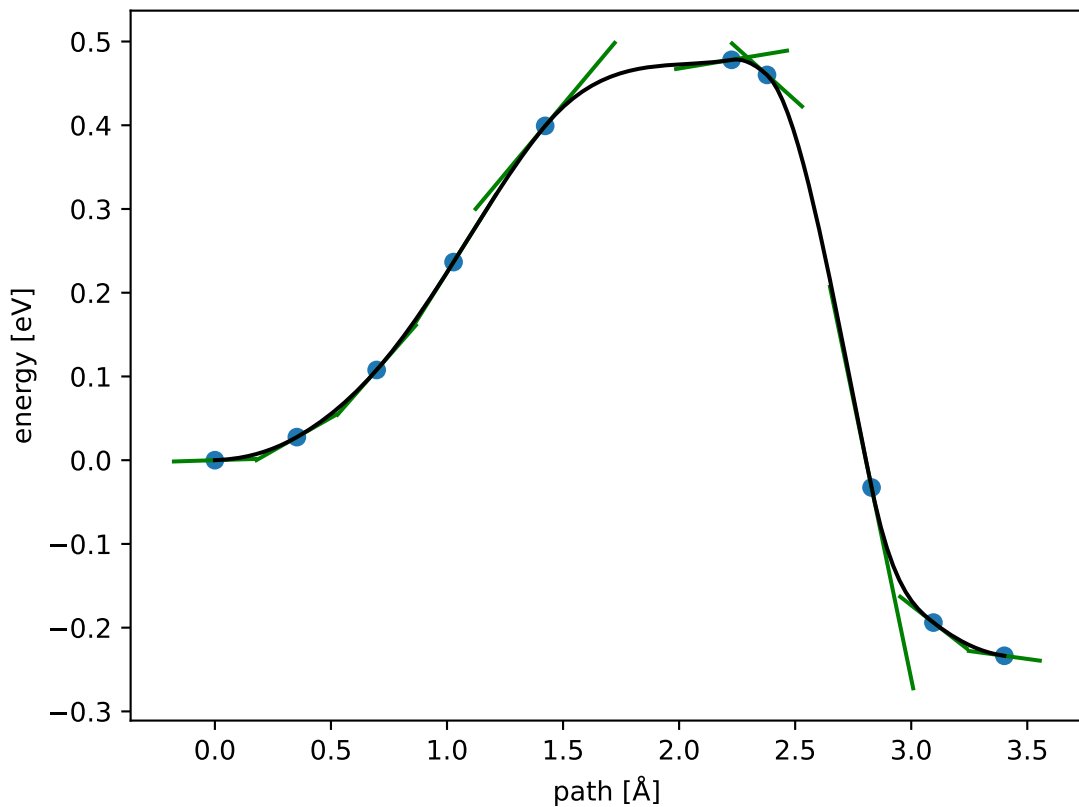
$$E_f \approx 0.481 \text{ eV}; E_r \approx 0.714 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



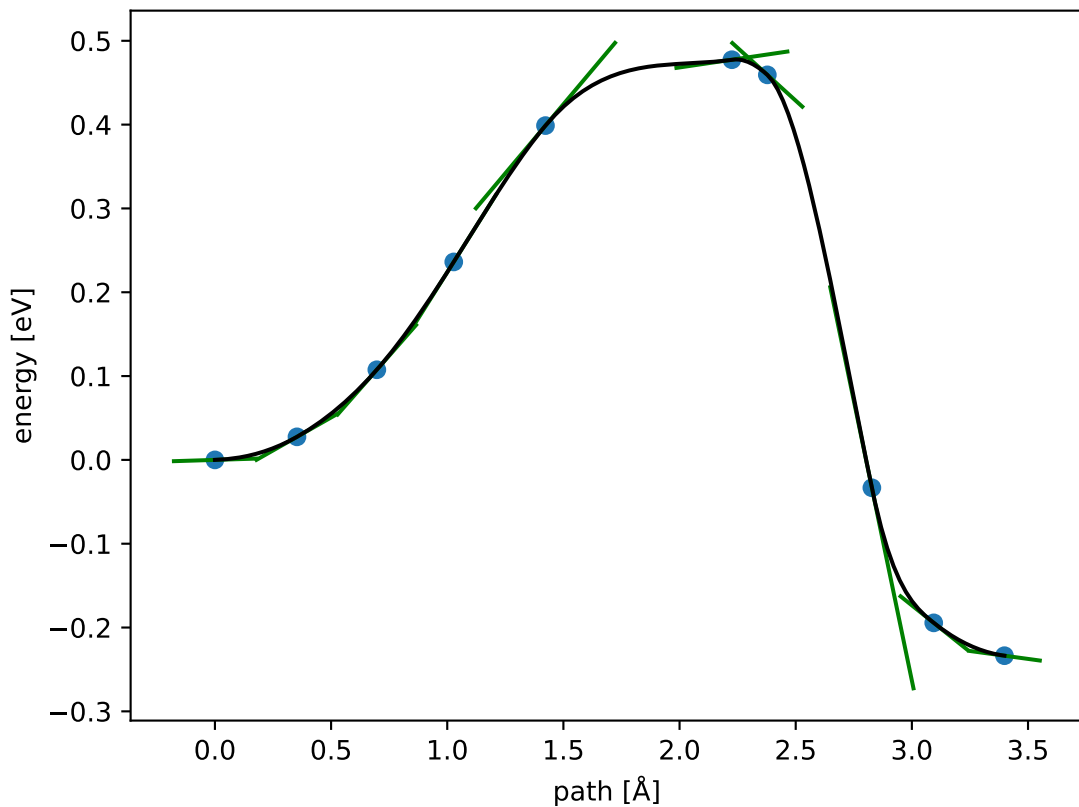
$$E_f \approx 0.480 \text{ eV}; E_r \approx 0.713 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.478 \text{ eV}; E_r \approx 0.712 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

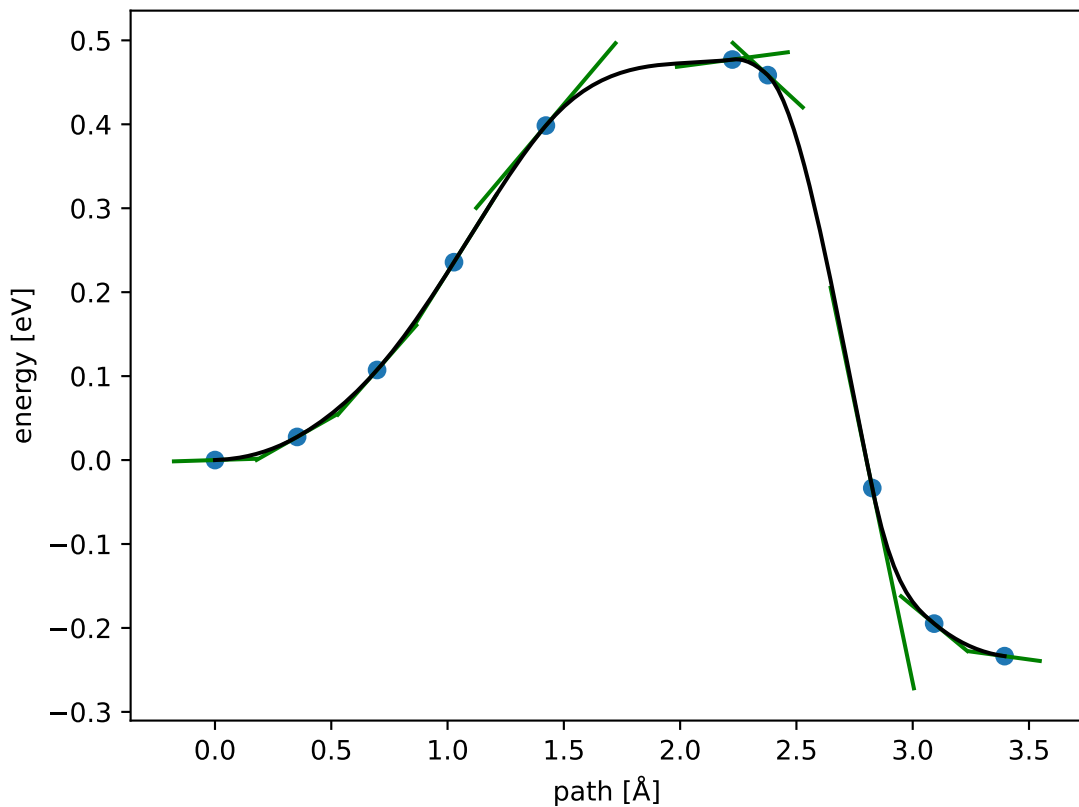


$$E_f \approx 0.477 \text{ eV}; E_r \approx 0.711 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

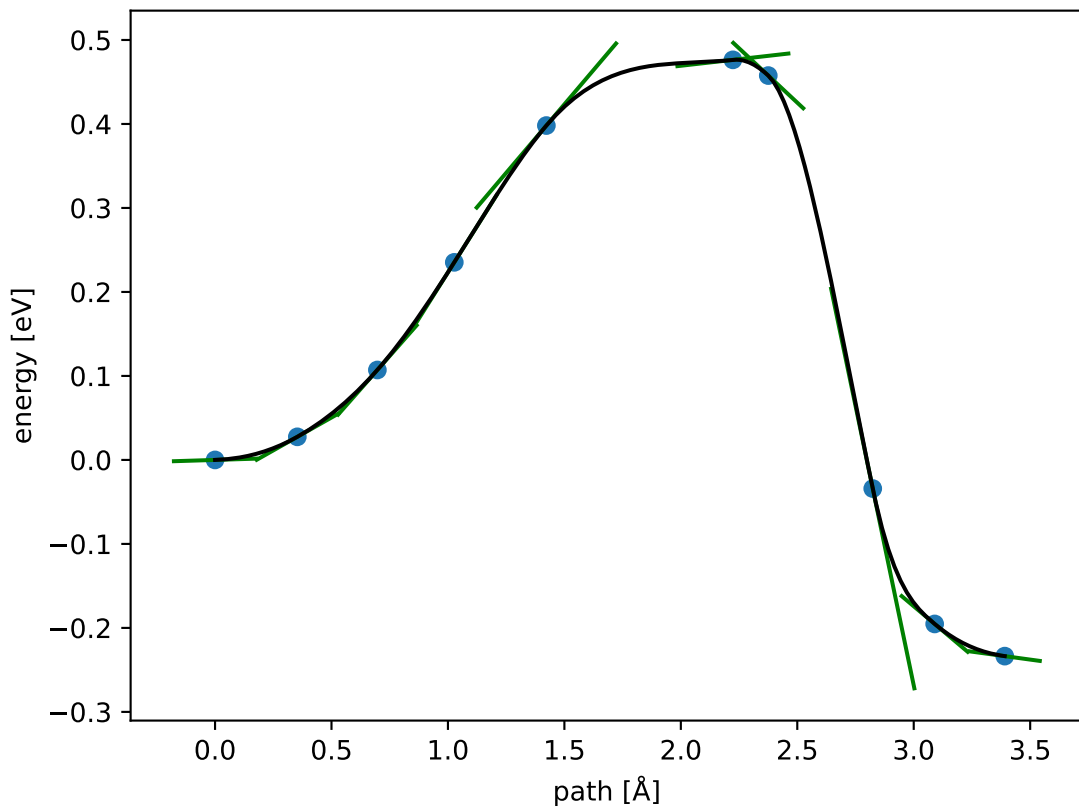




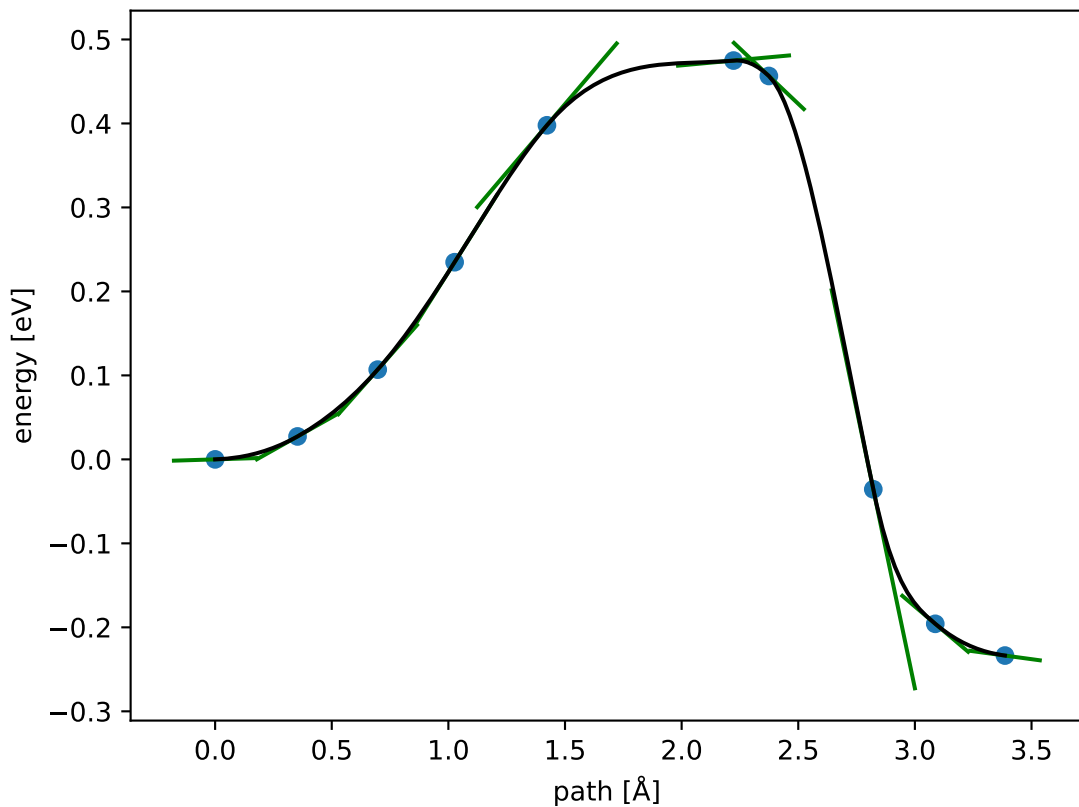
$$E_f \approx 0.477 \text{ eV}; E_r \approx 0.711 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



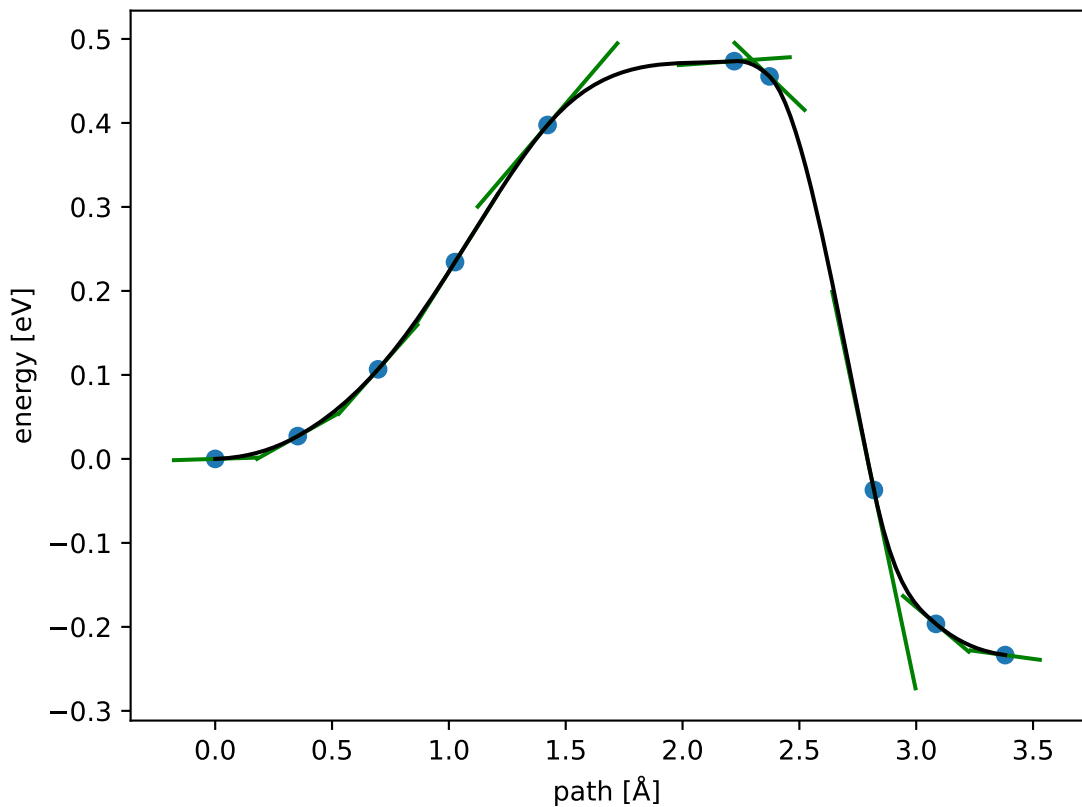
$$E_f \approx 0.476 \text{ eV}; E_r \approx 0.710 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



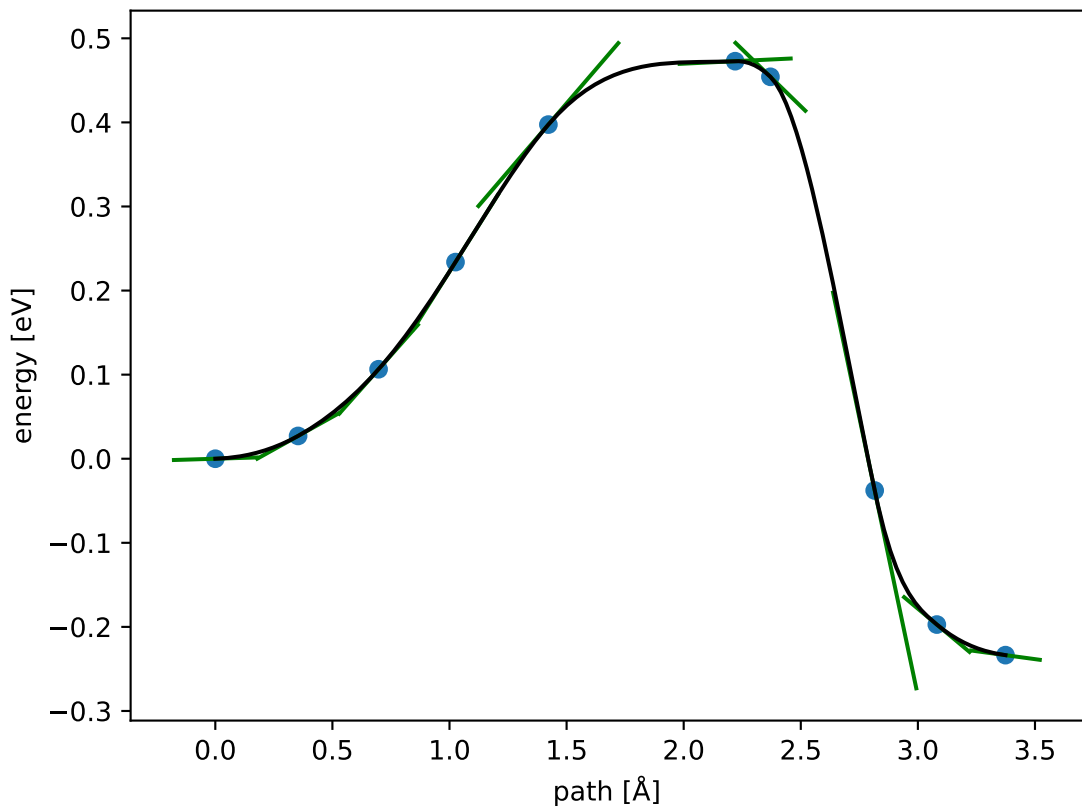
$$E_f \approx 0.475 \text{ eV}; E_r \approx 0.708 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



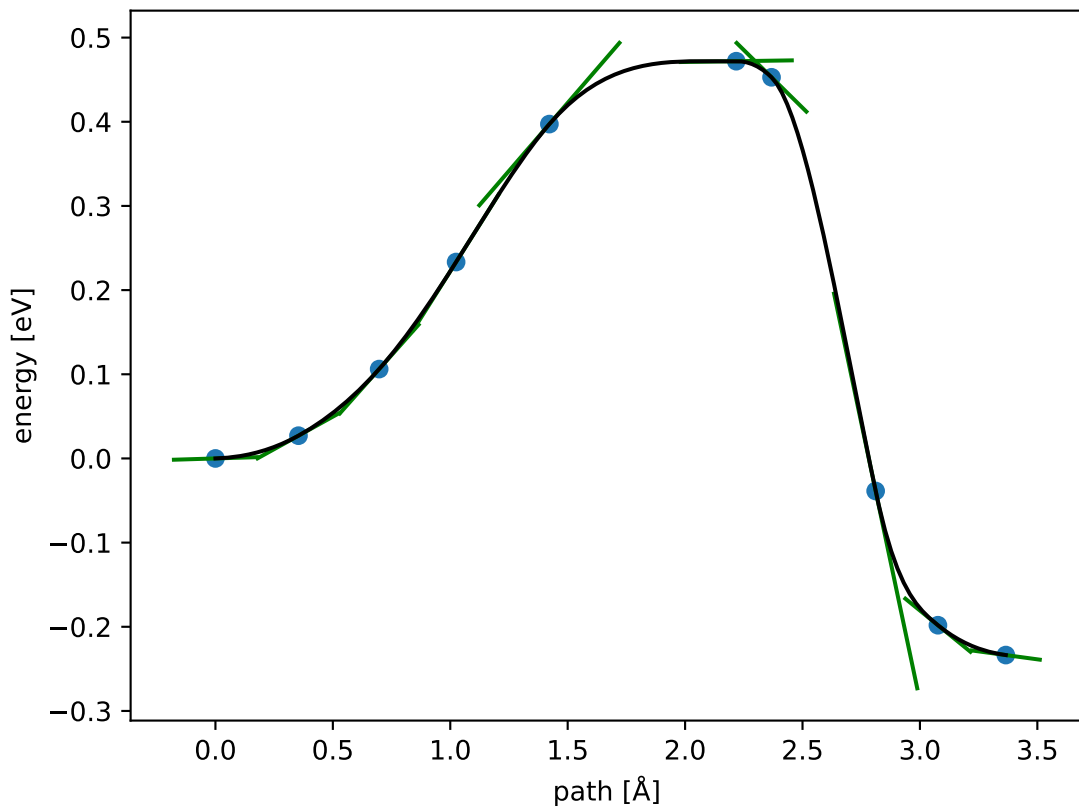
$$E_f \approx 0.474 \text{ eV}; E_r \approx 0.707 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



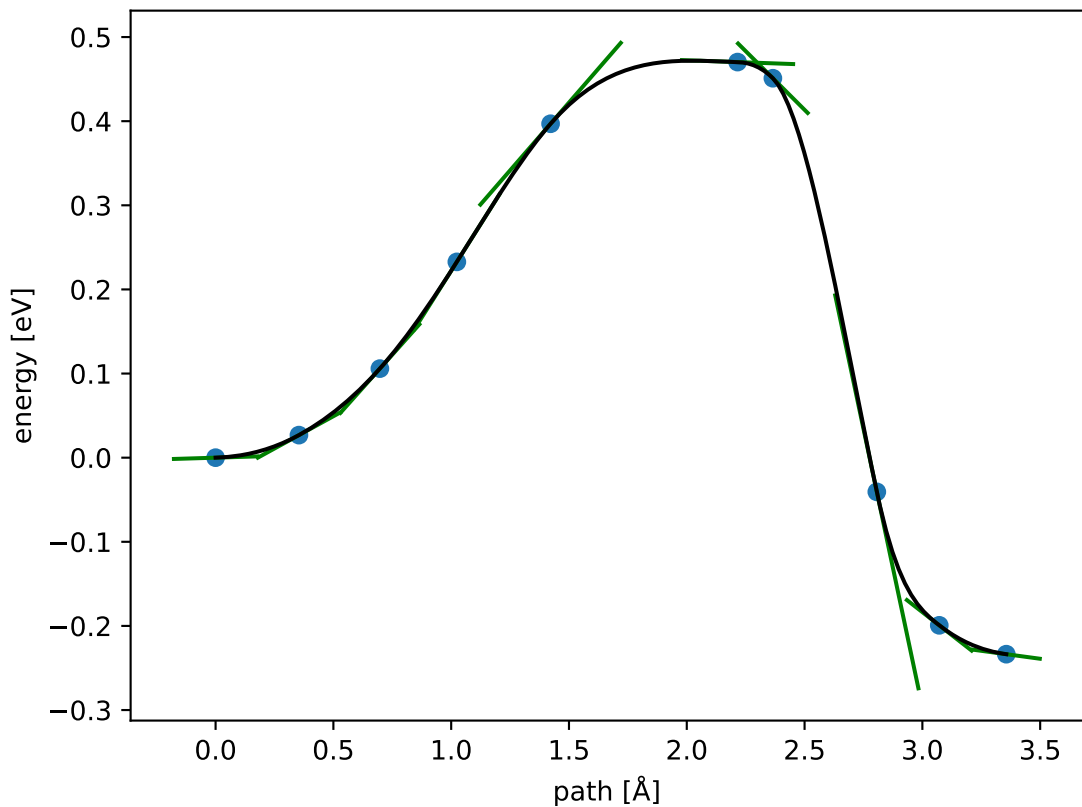
$$E_f \approx 0.473 \text{ eV}; E_r \approx 0.706 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



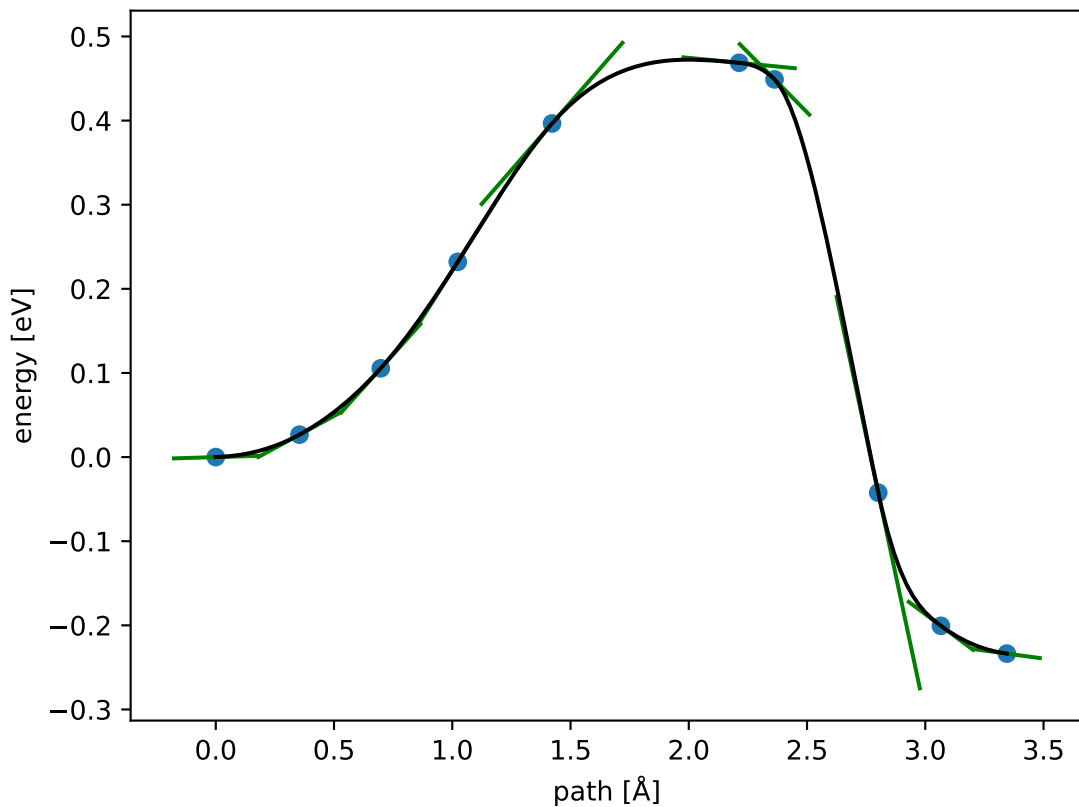
$$E_f \approx 0.472 \text{ eV}; E_r \approx 0.706 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.470 \text{ eV}; E_r \approx 0.704 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

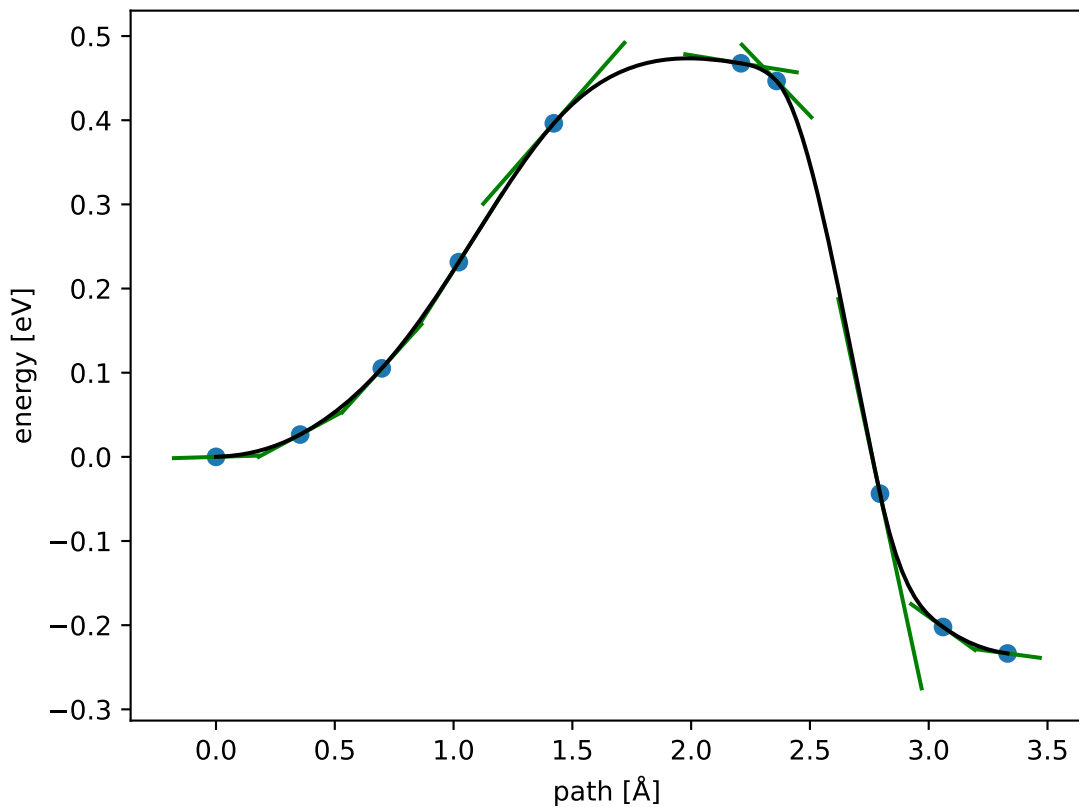


$$E_f \approx 0.469 \text{ eV}; E_r \approx 0.702 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

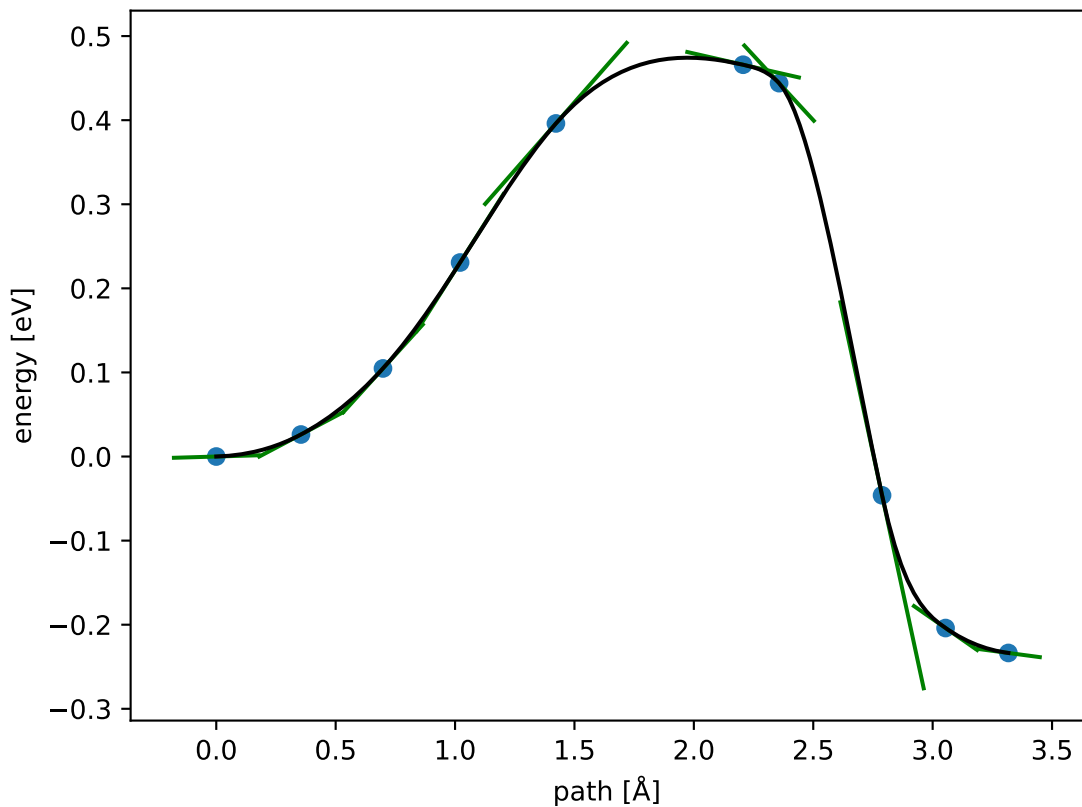




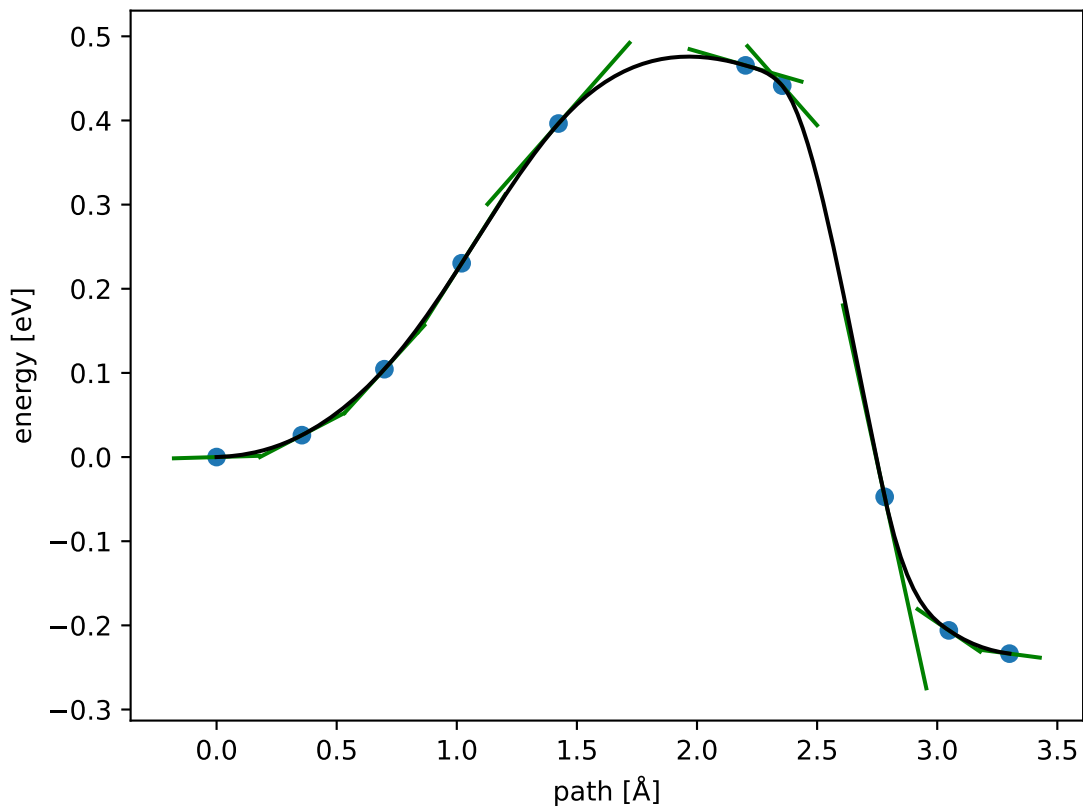
$$E_f \approx 0.468 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



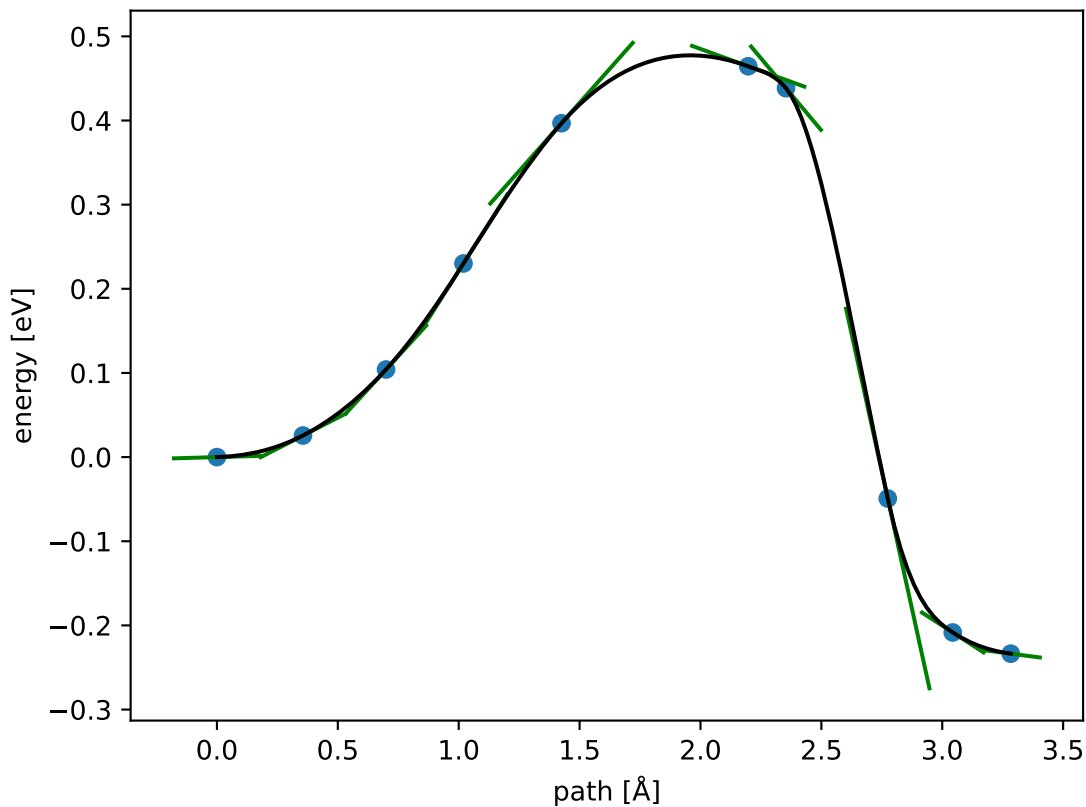
$$E_f \approx 0.466 \text{ eV}; E_r \approx 0.700 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



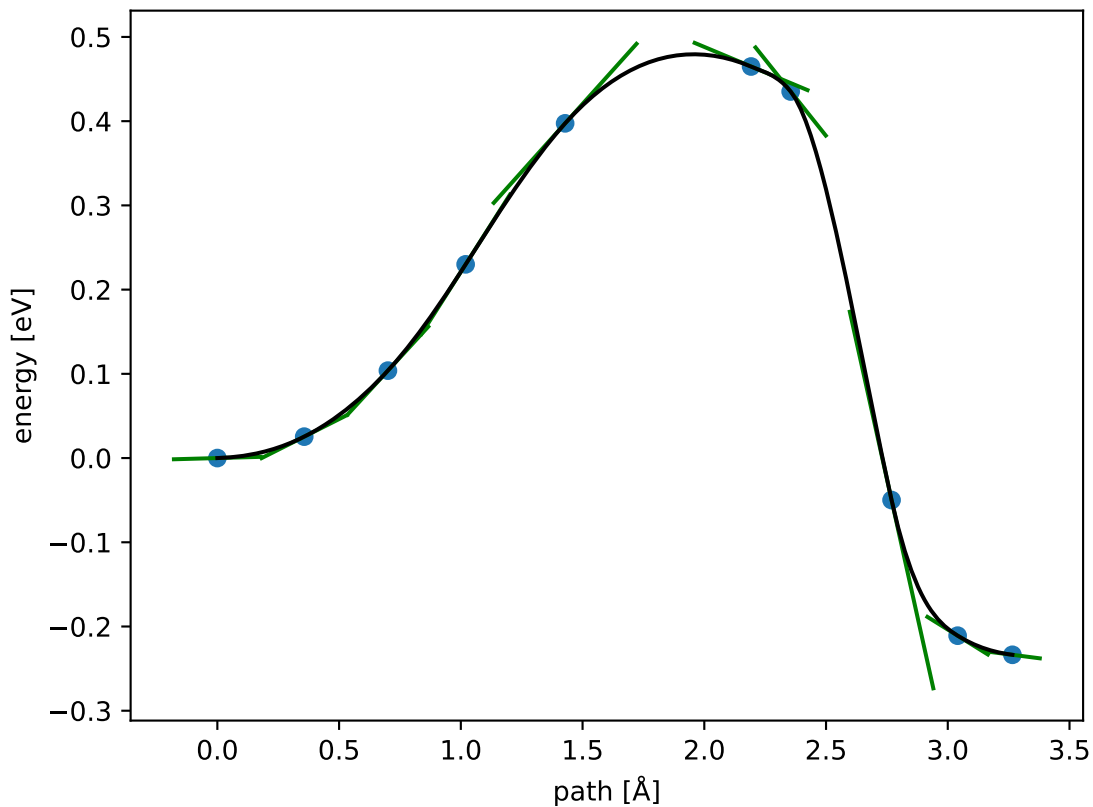
$$E_f \approx 0.465 \text{ eV}; E_r \approx 0.699 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



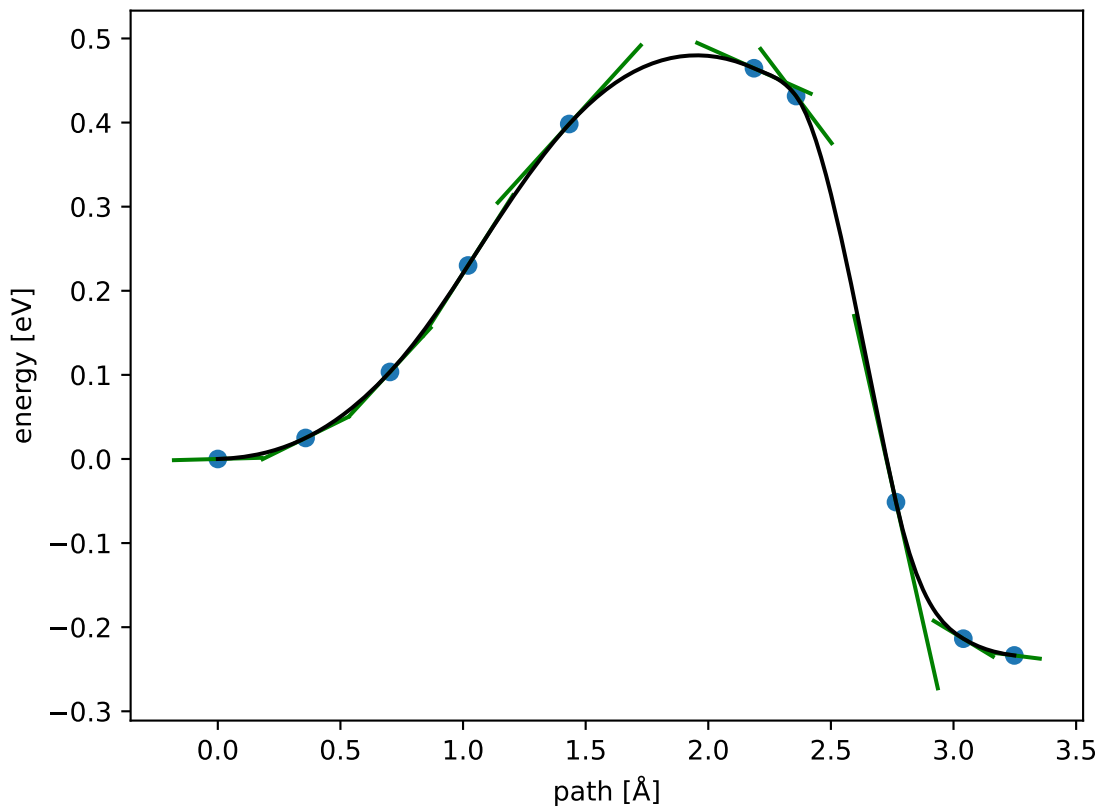
$$E_f \approx 0.464 \text{ eV}; E_r \approx 0.698 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



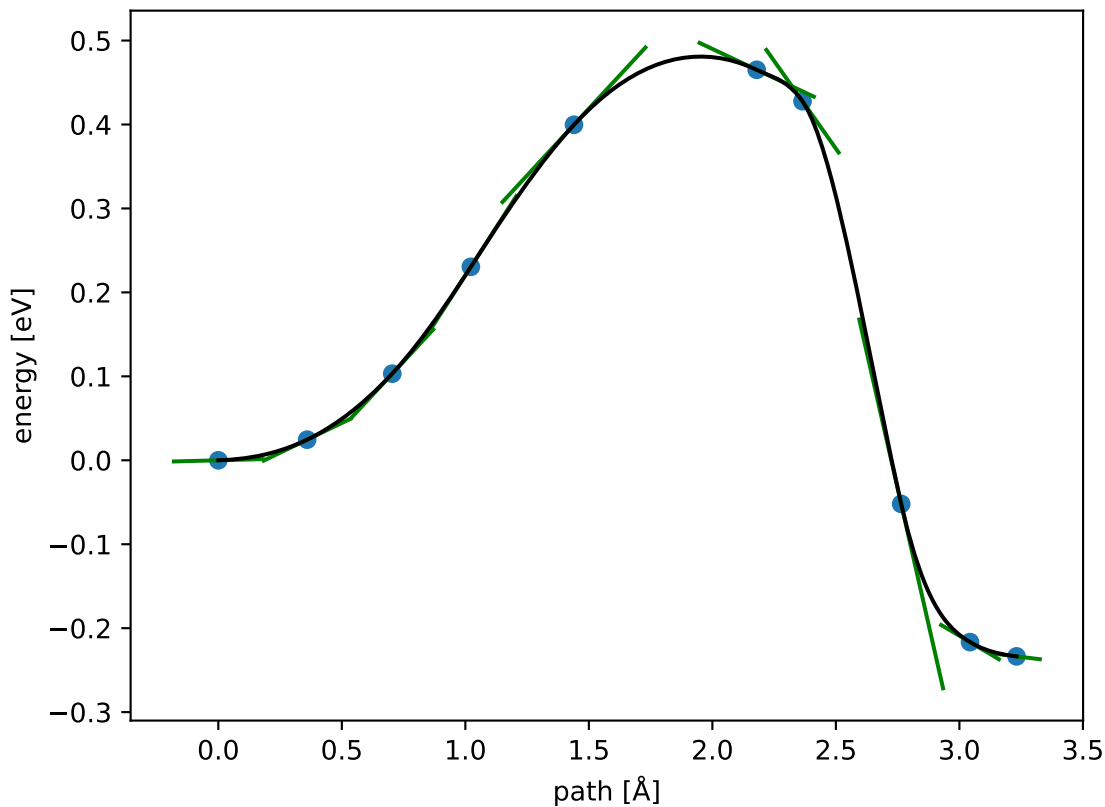
$$E_f \approx 0.465 \text{ eV}; E_r \approx 0.699 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



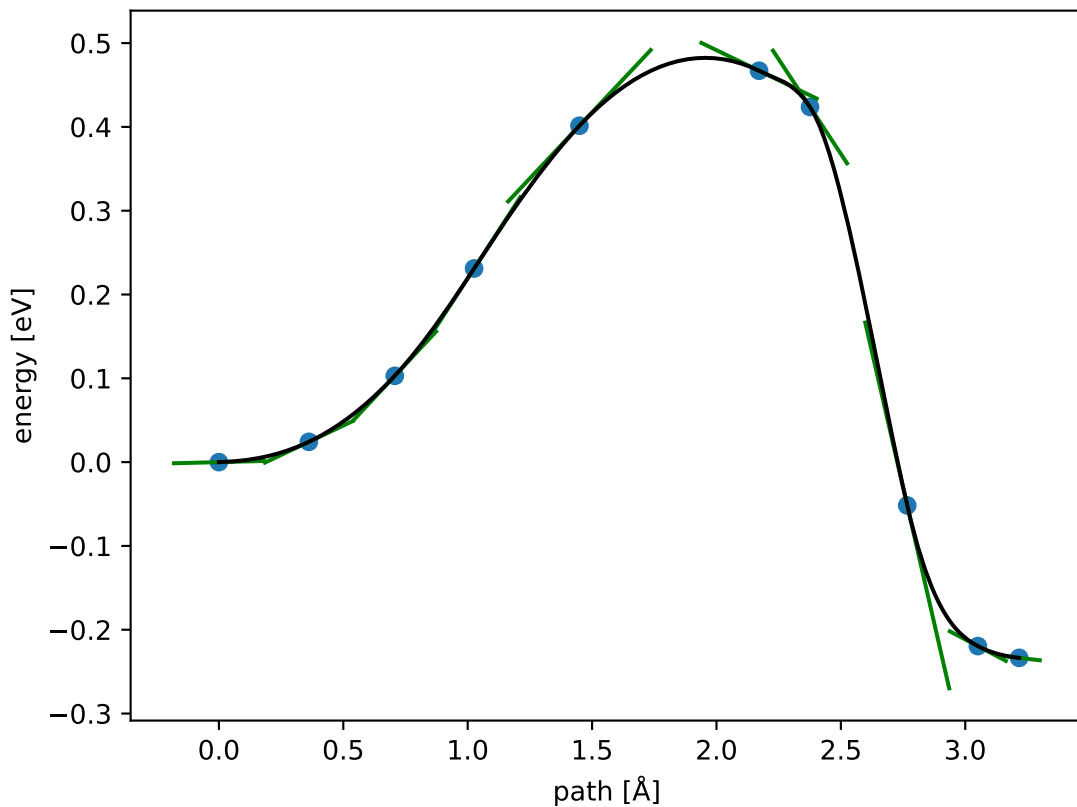
$$E_f \approx 0.465 \text{ eV}; E_r \approx 0.698 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.465 \text{ eV}; E_r \approx 0.699 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

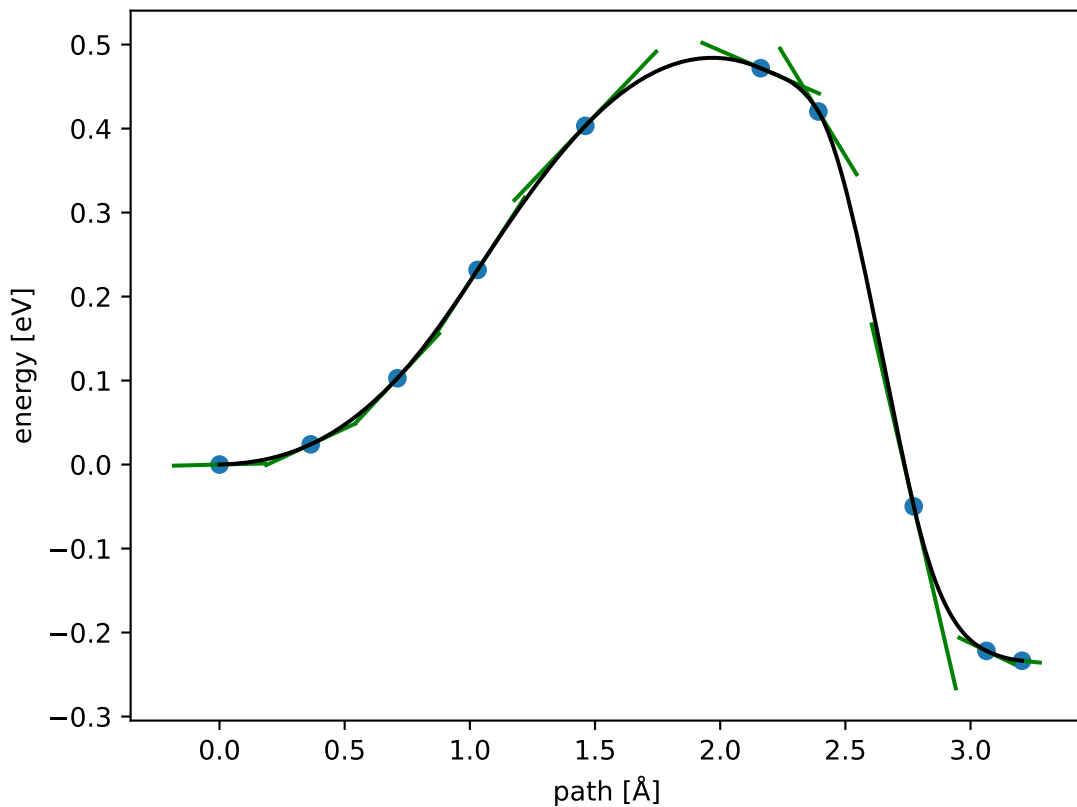


$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

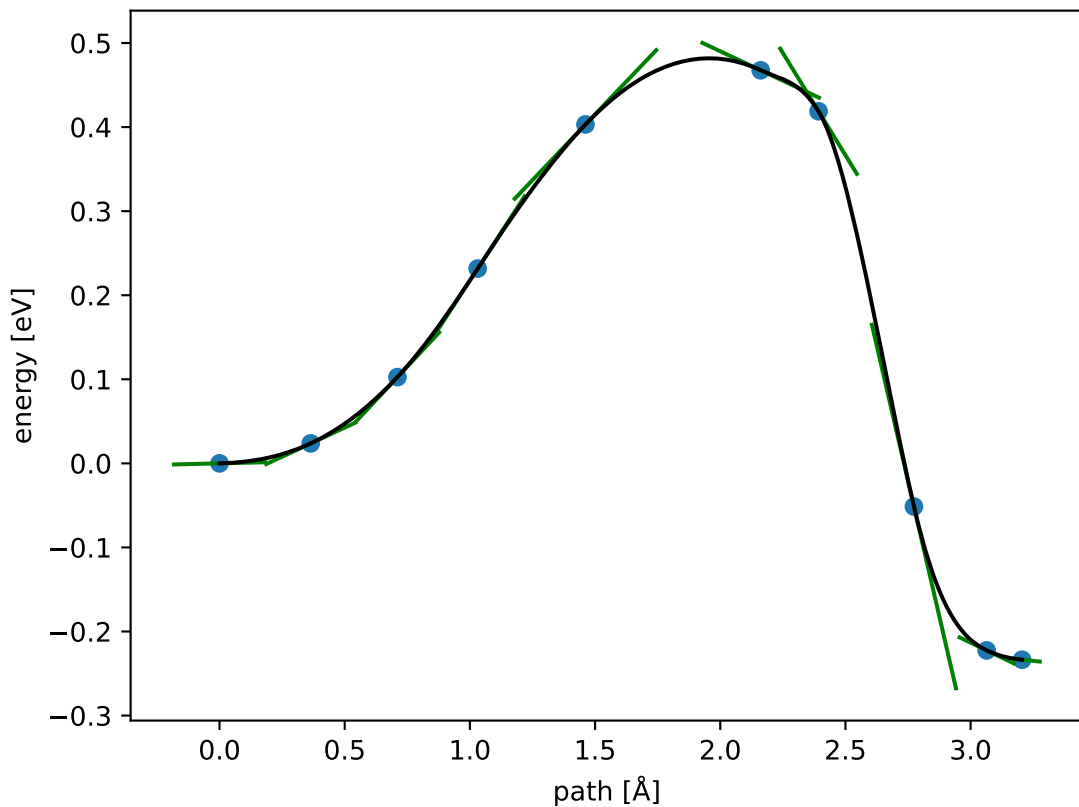




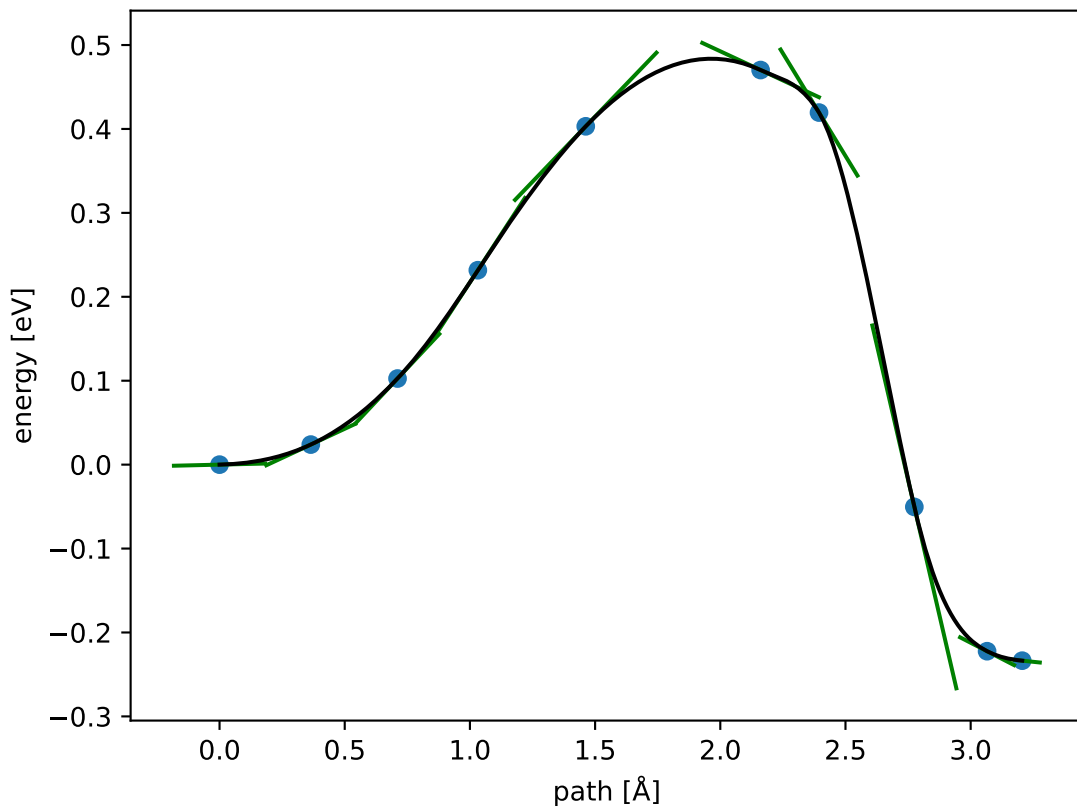
$$E_f \approx 0.472 \text{ eV}; E_r \approx 0.705 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



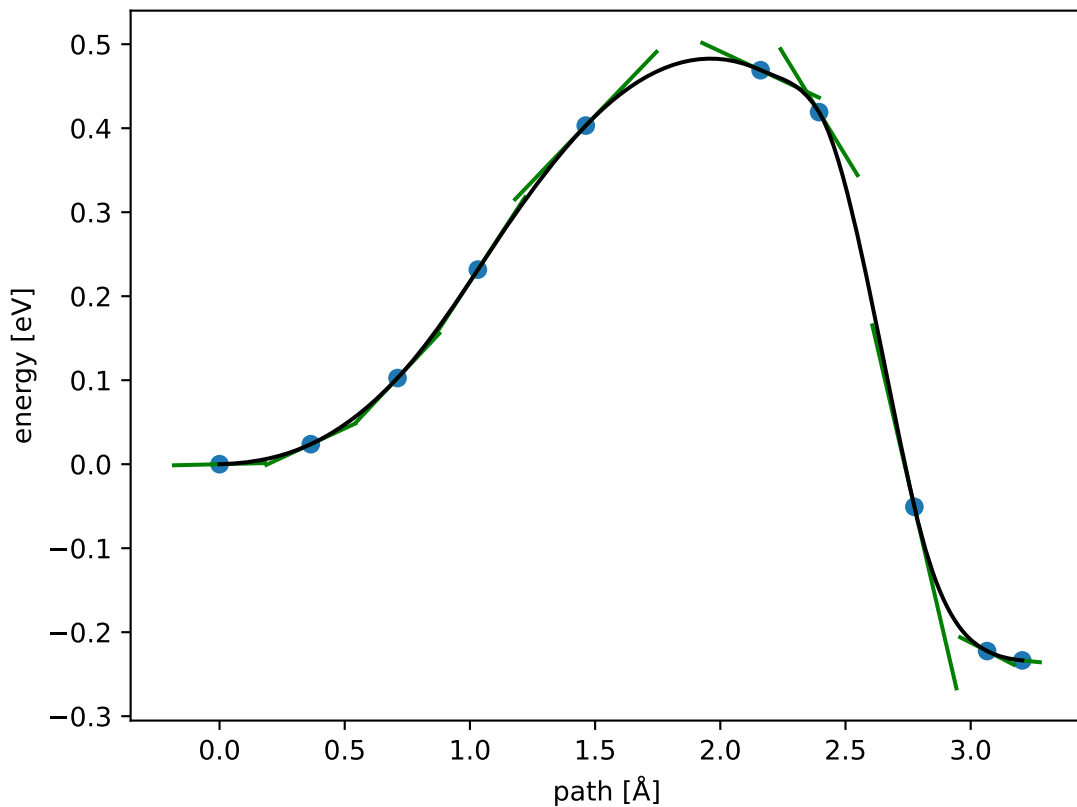
$$E_f \approx 0.468 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



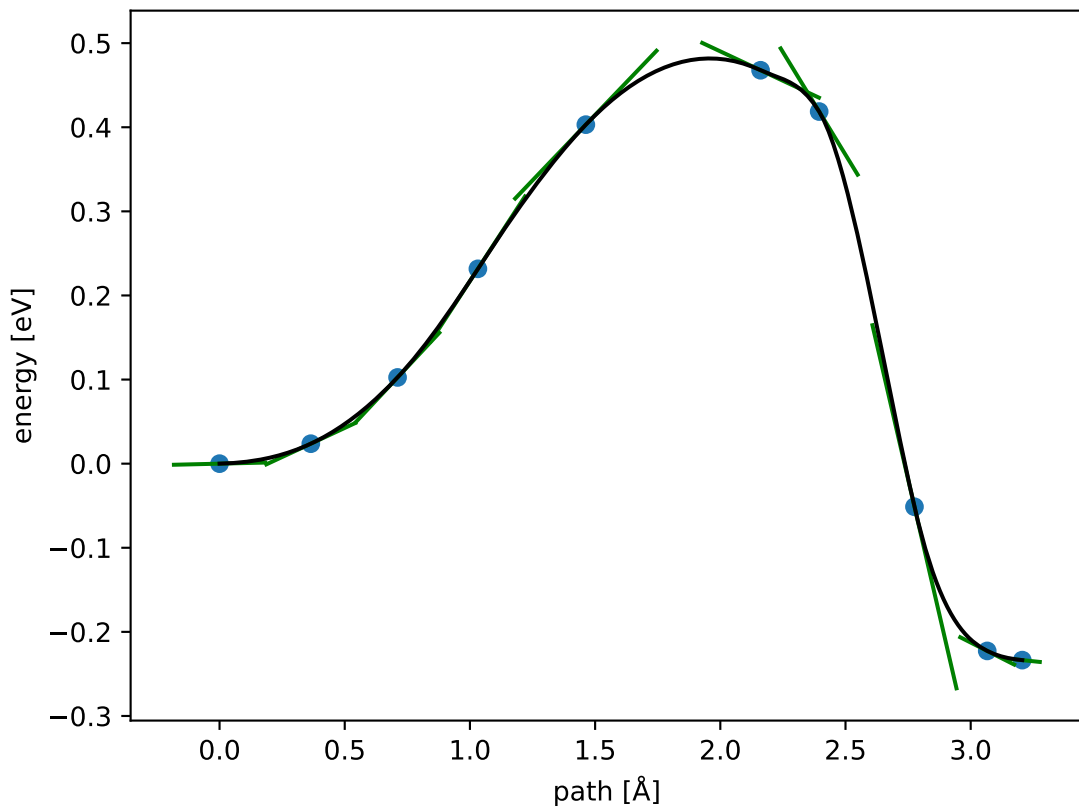
$$E_f \approx 0.470 \text{ eV}; E_r \approx 0.704 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



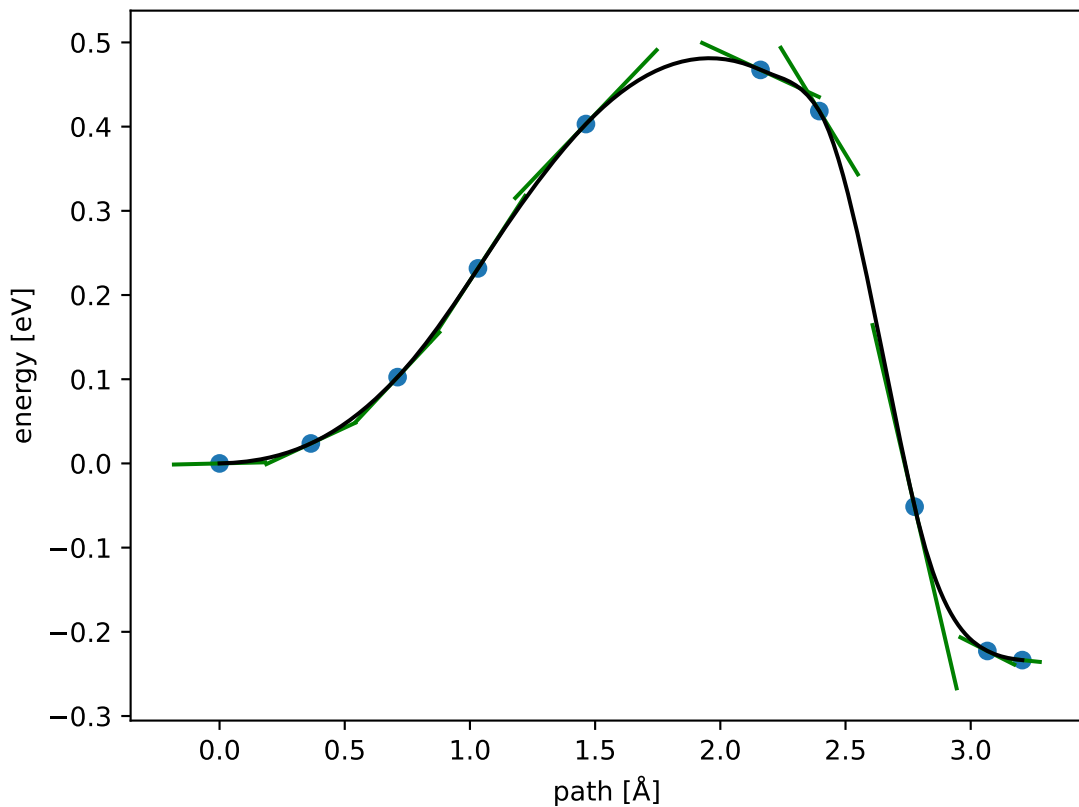
$$E_f \approx 0.469 \text{ eV}; E_r \approx 0.703 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



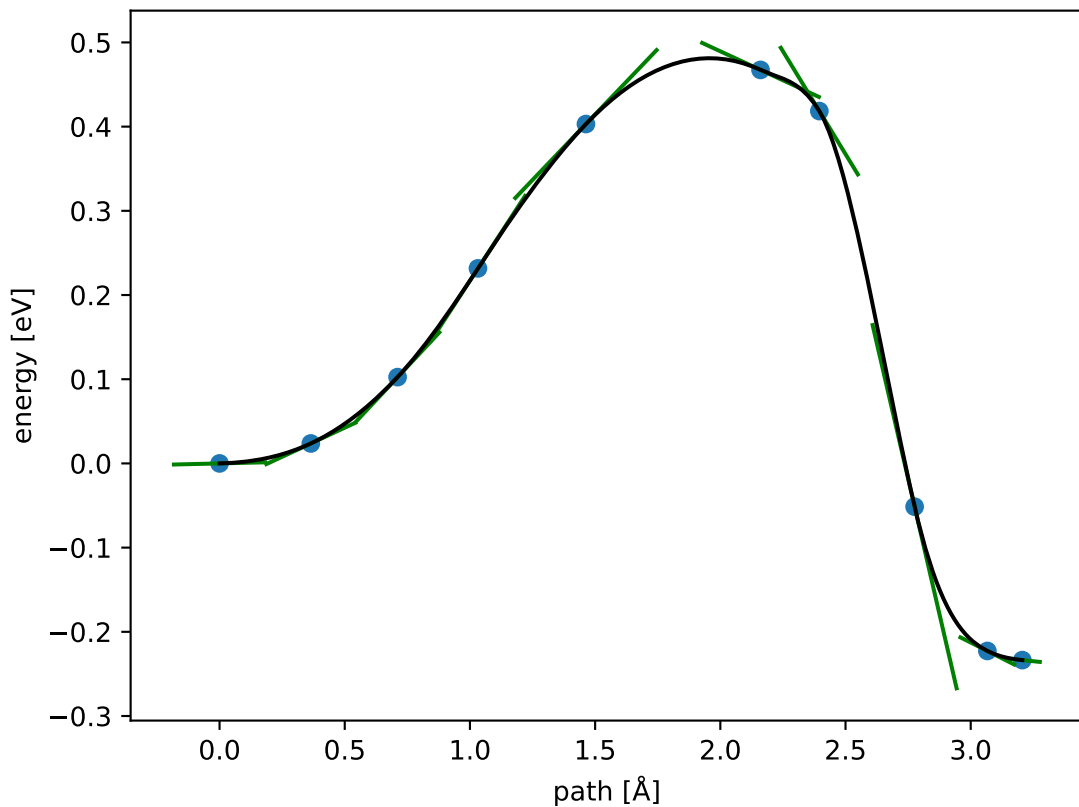
$$E_f \approx 0.468 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



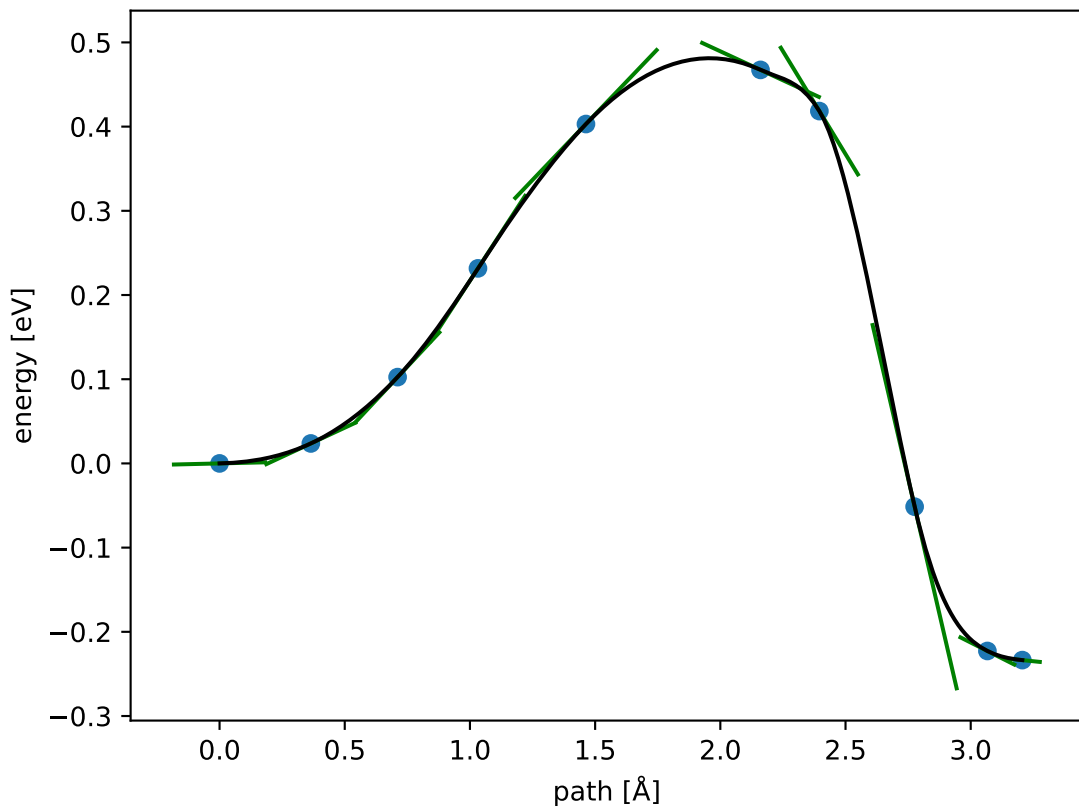
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

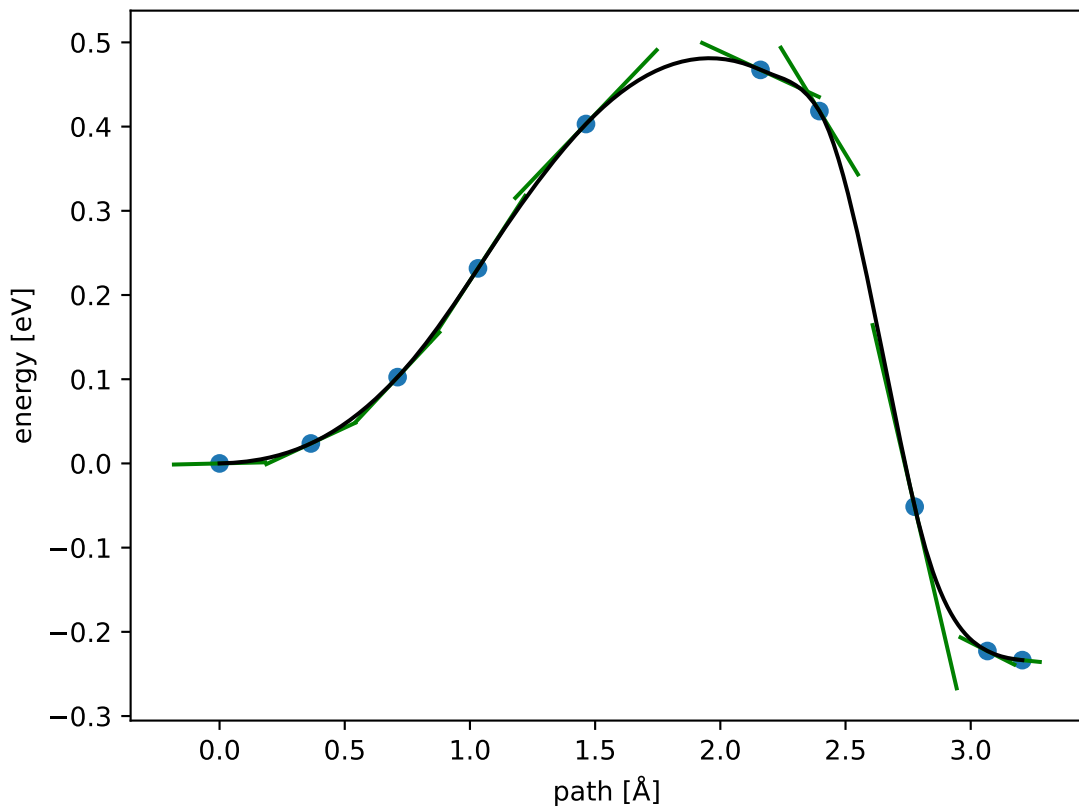


$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

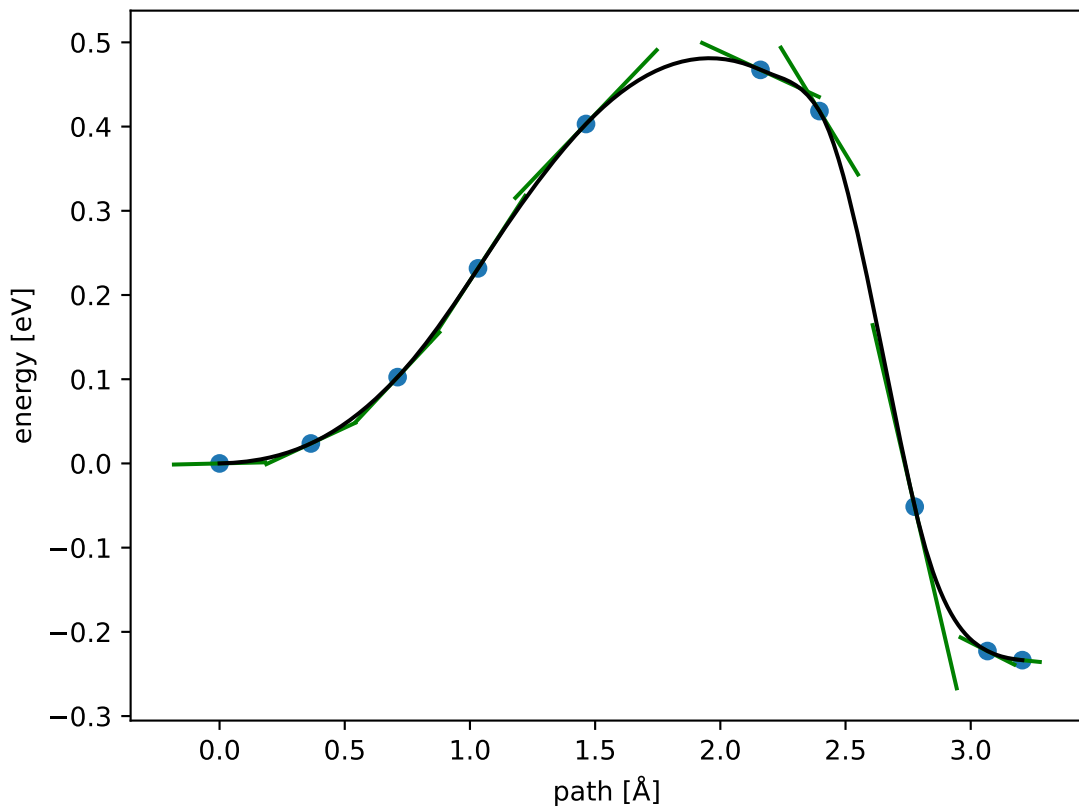




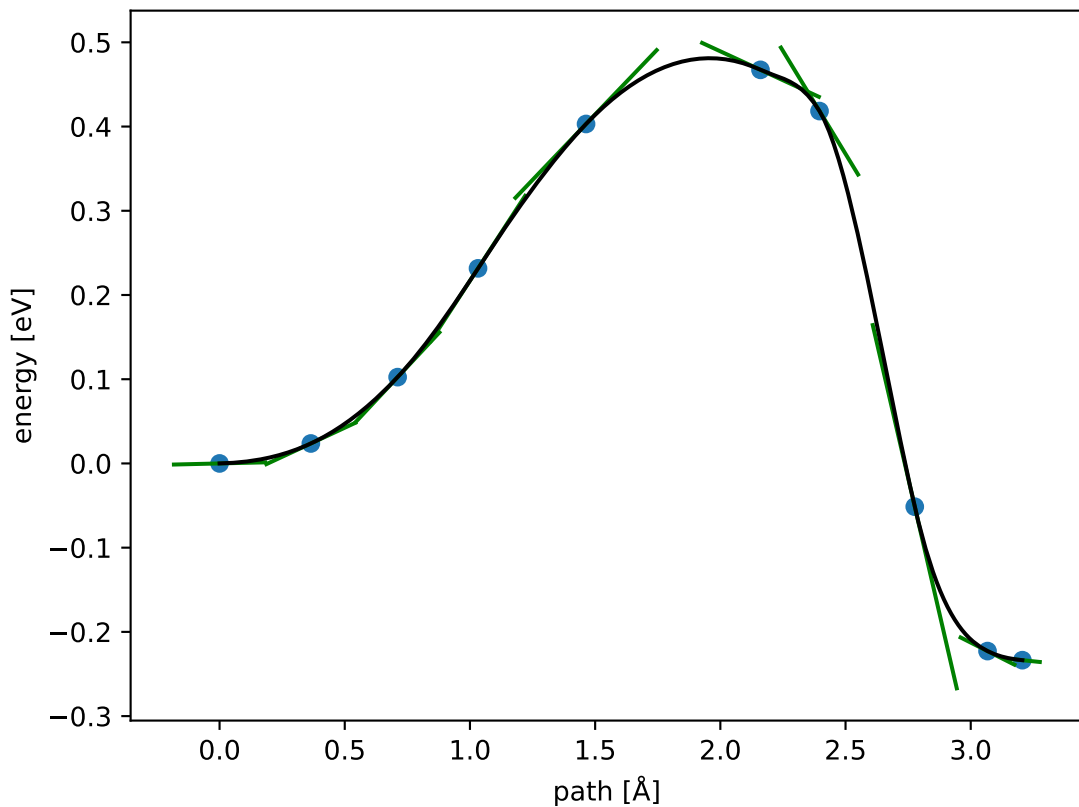
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



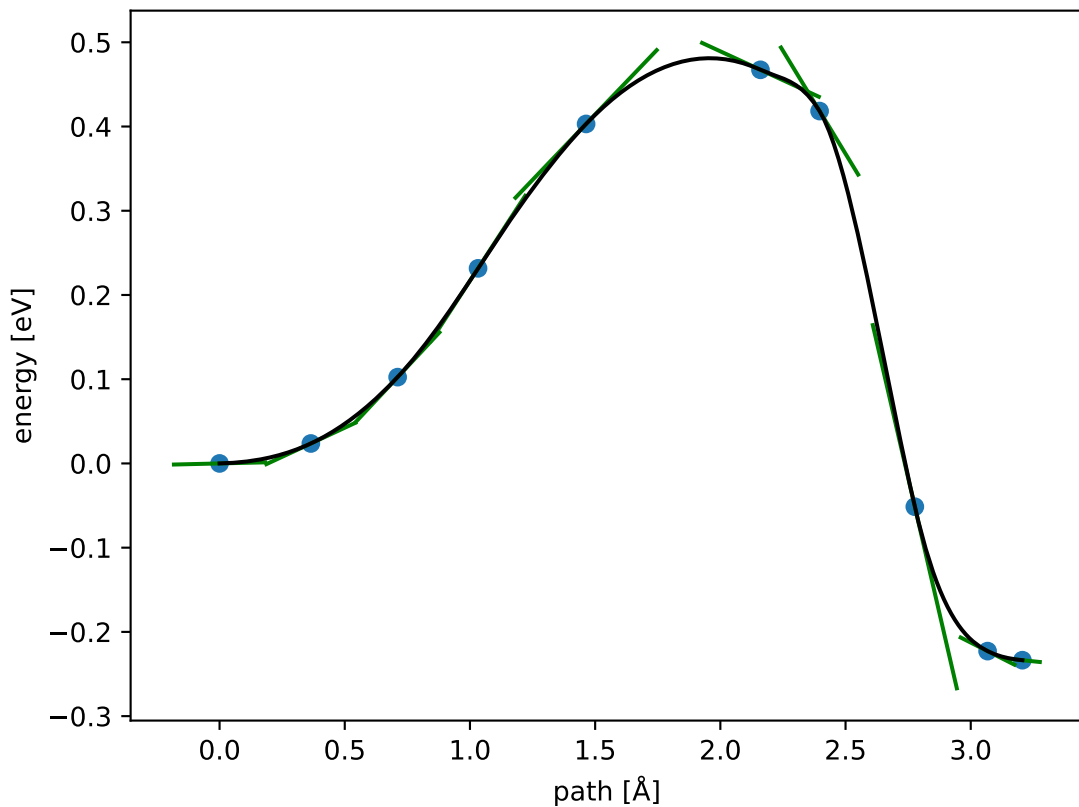
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



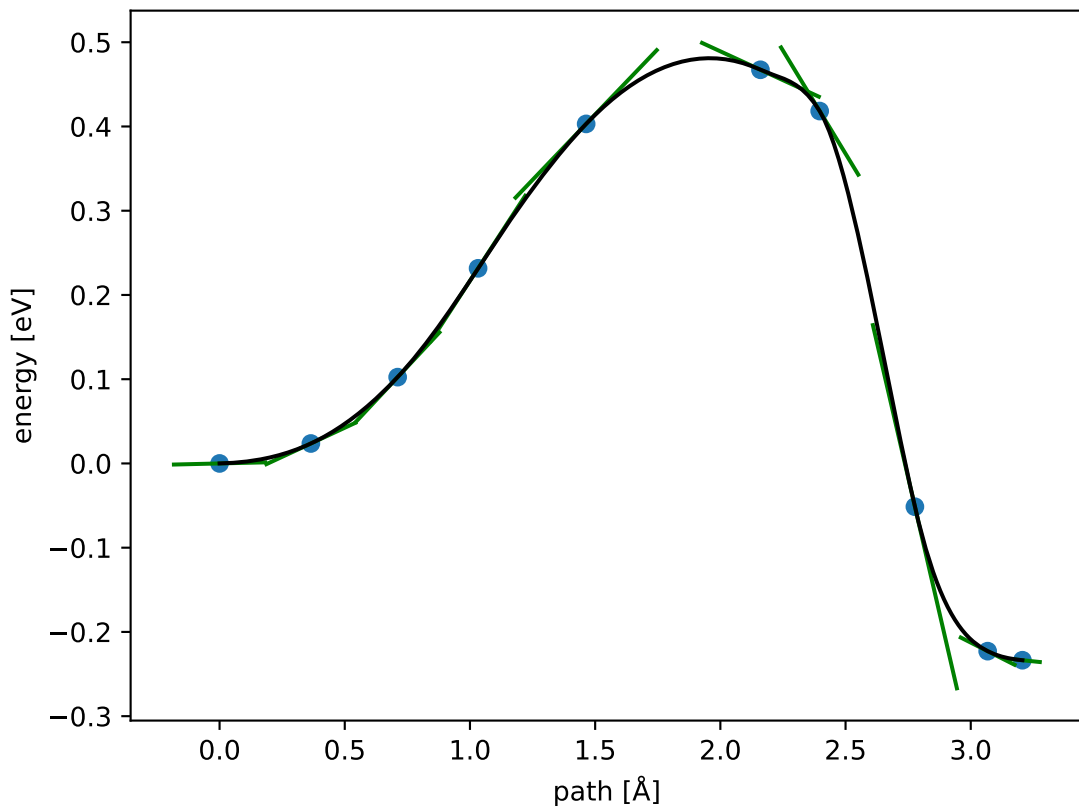
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



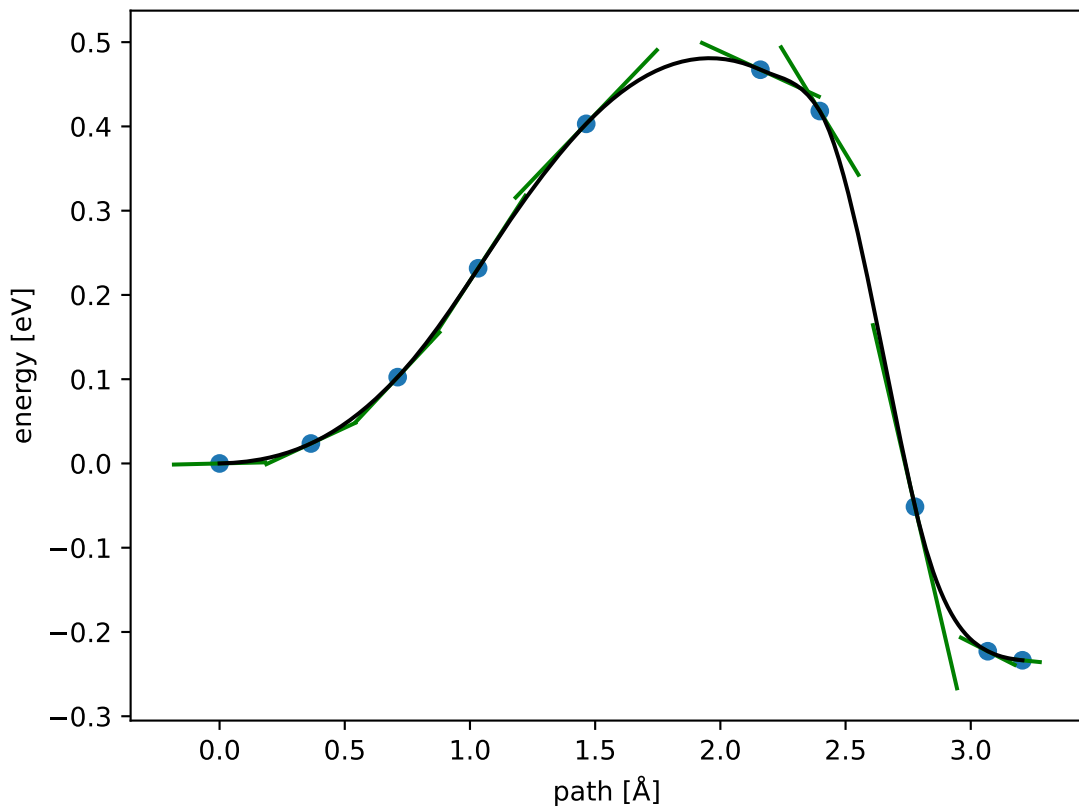
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



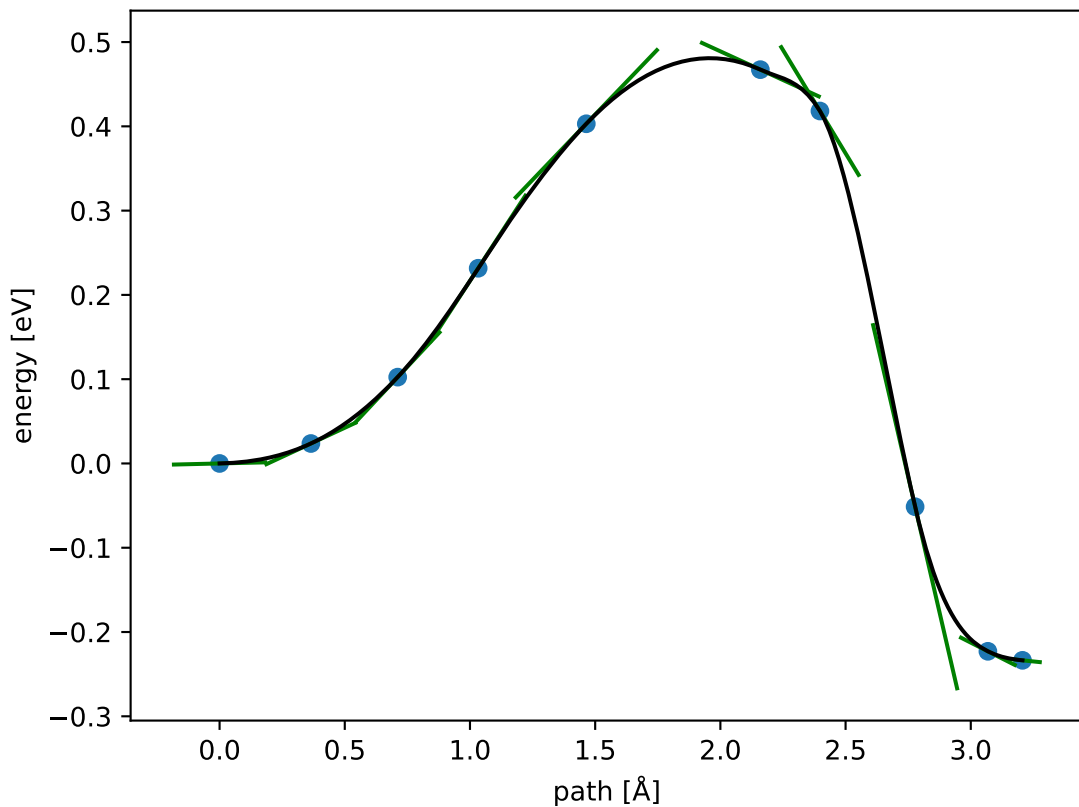
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



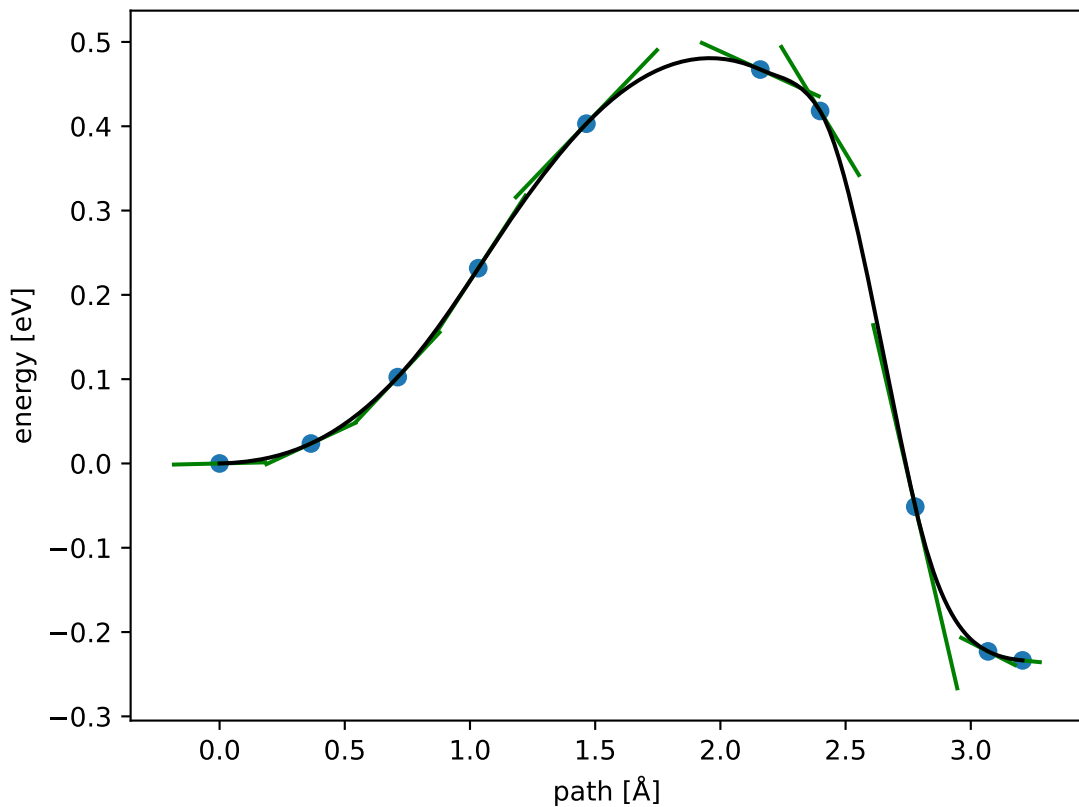
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

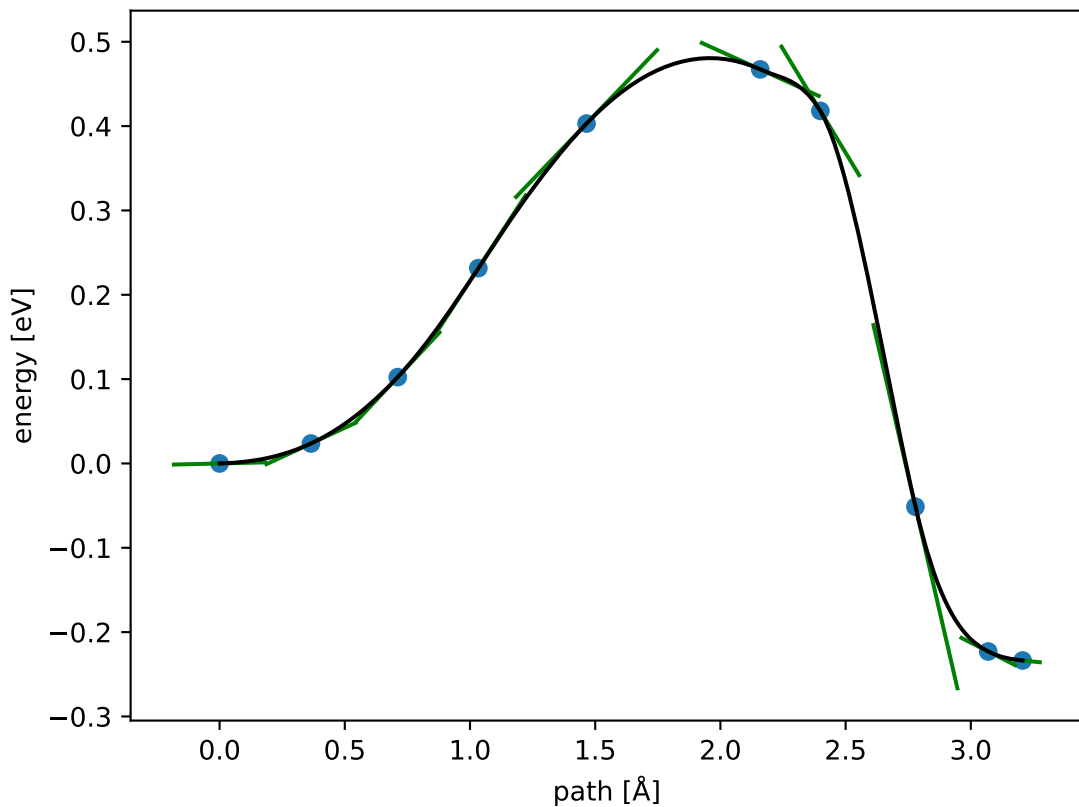


$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

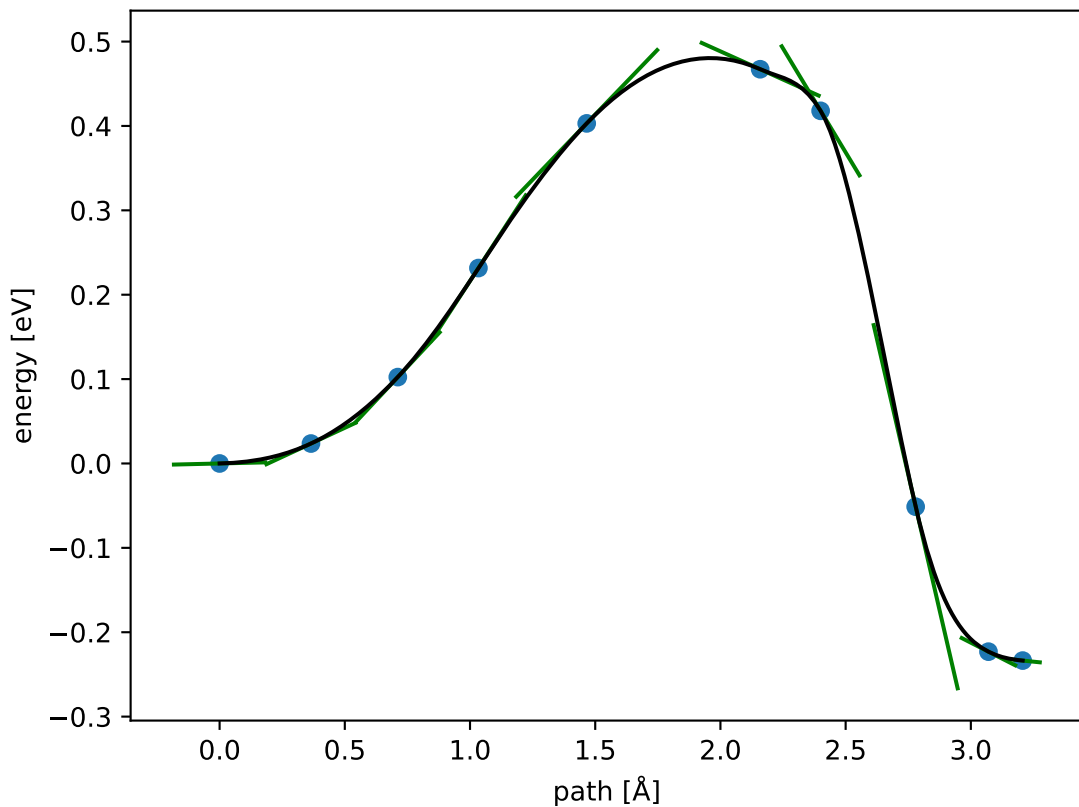




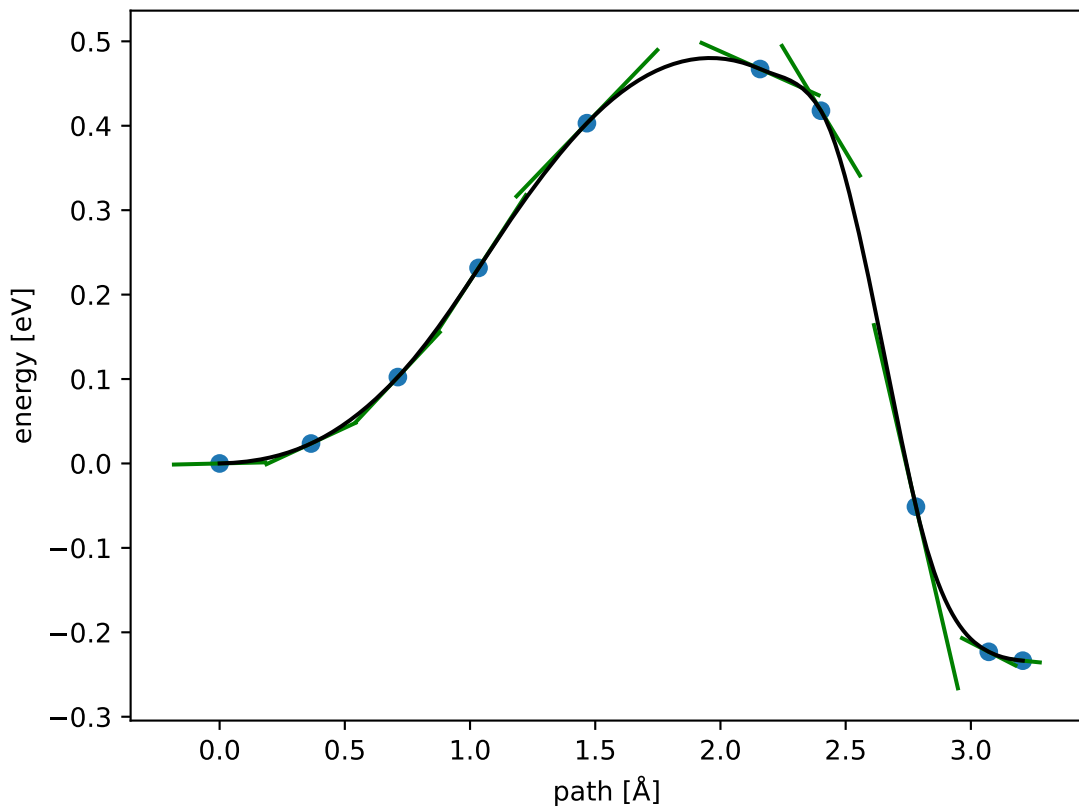
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



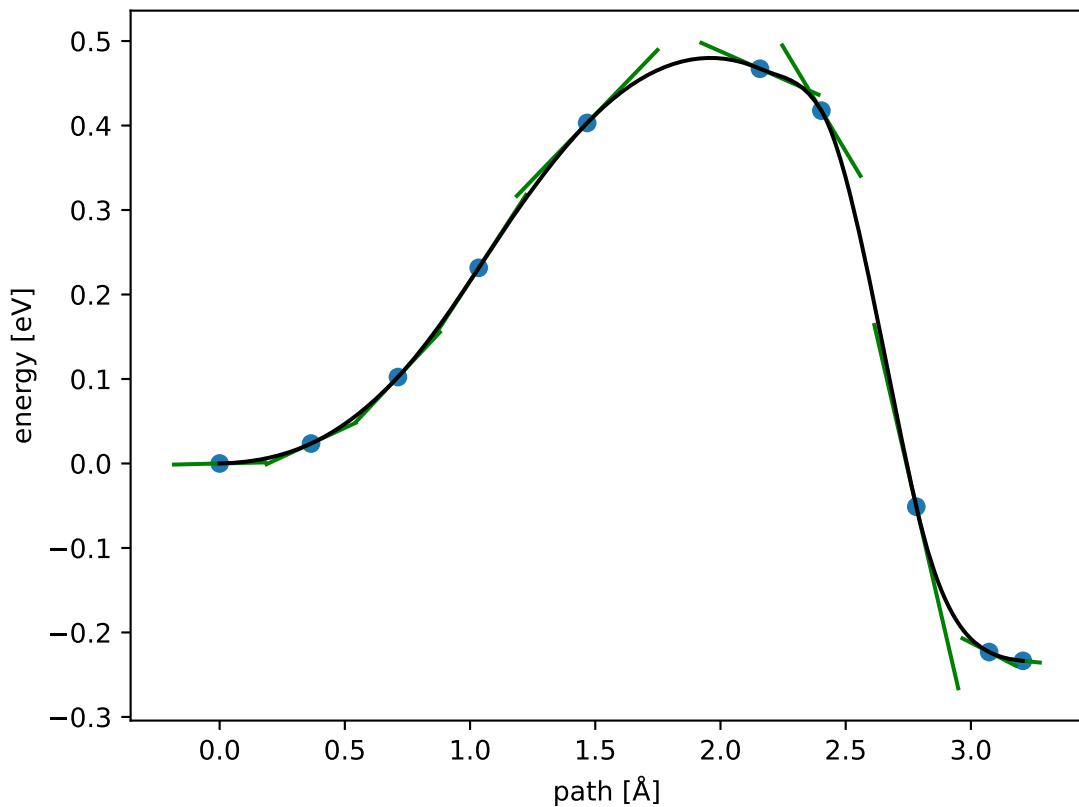
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



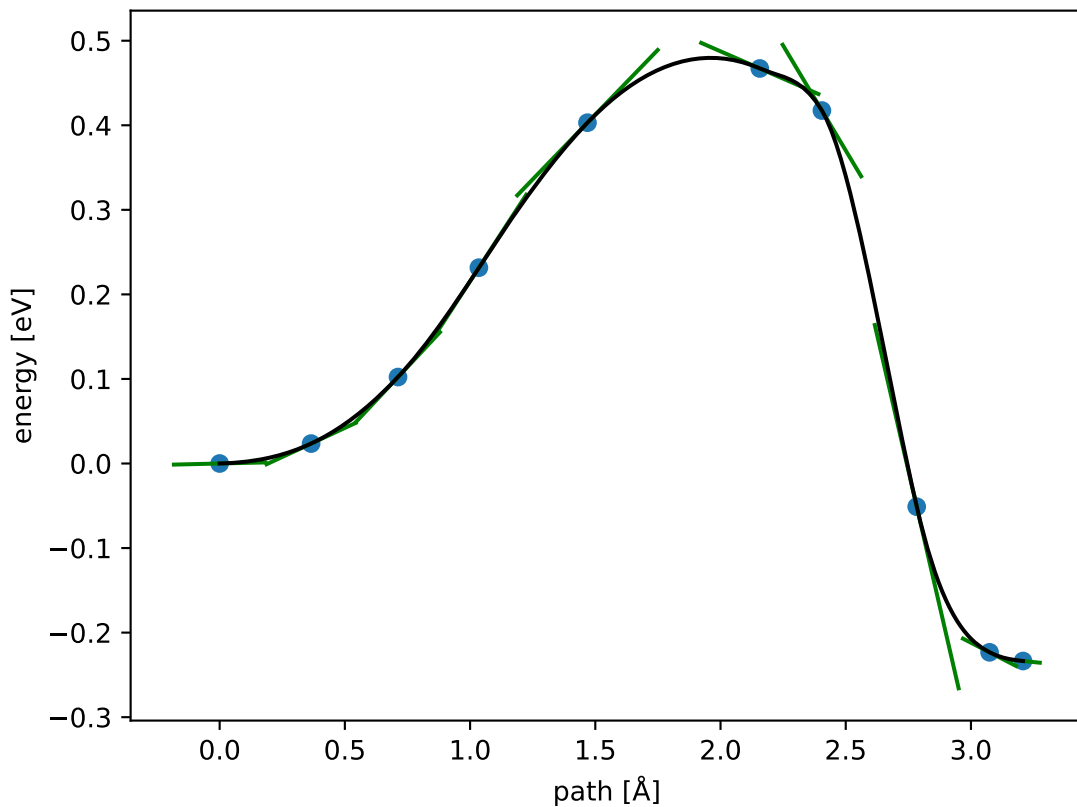
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



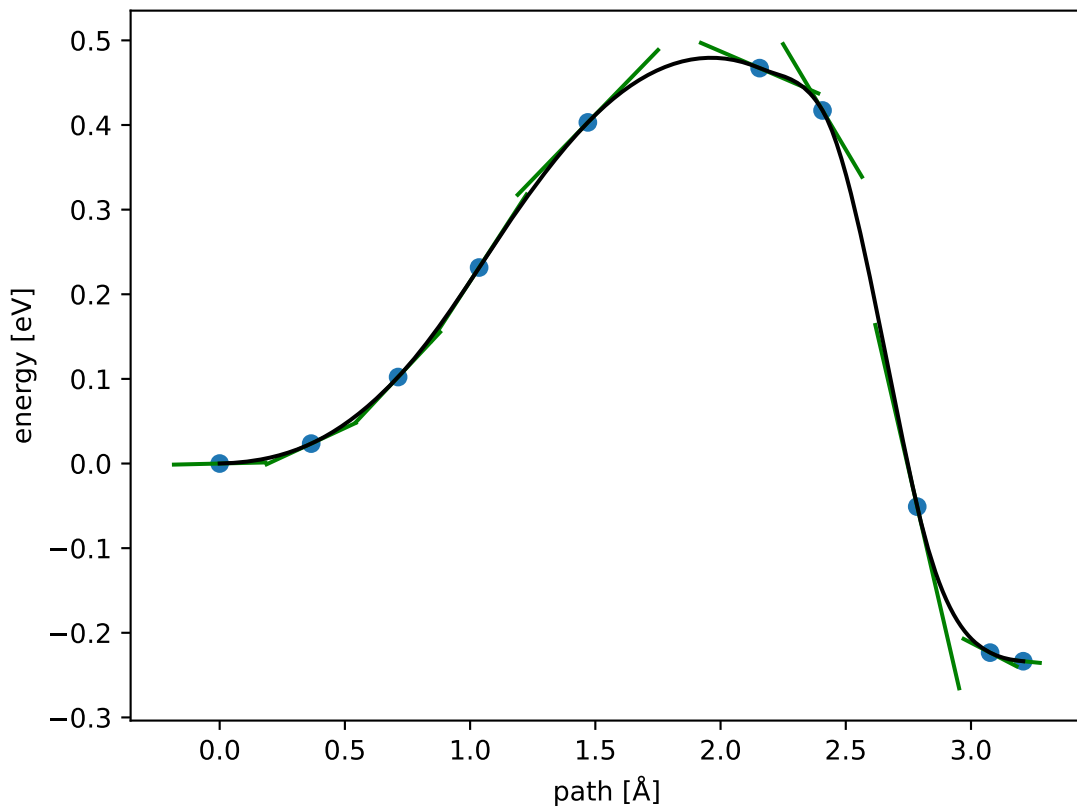
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



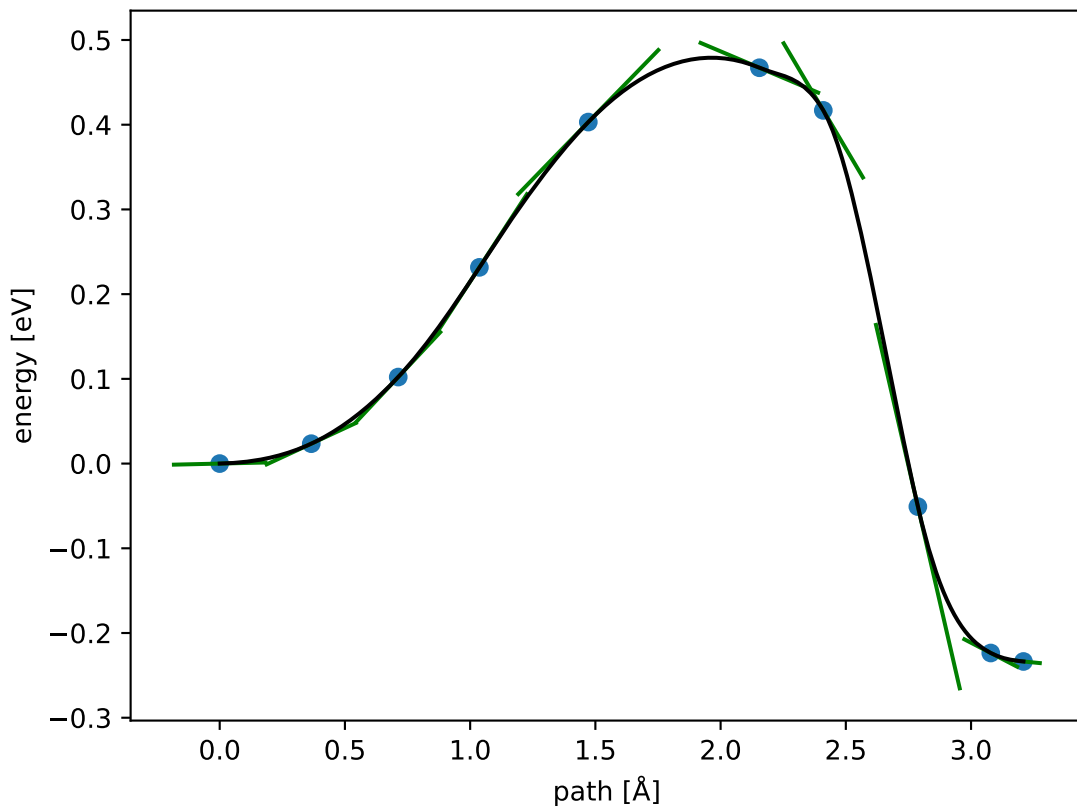
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



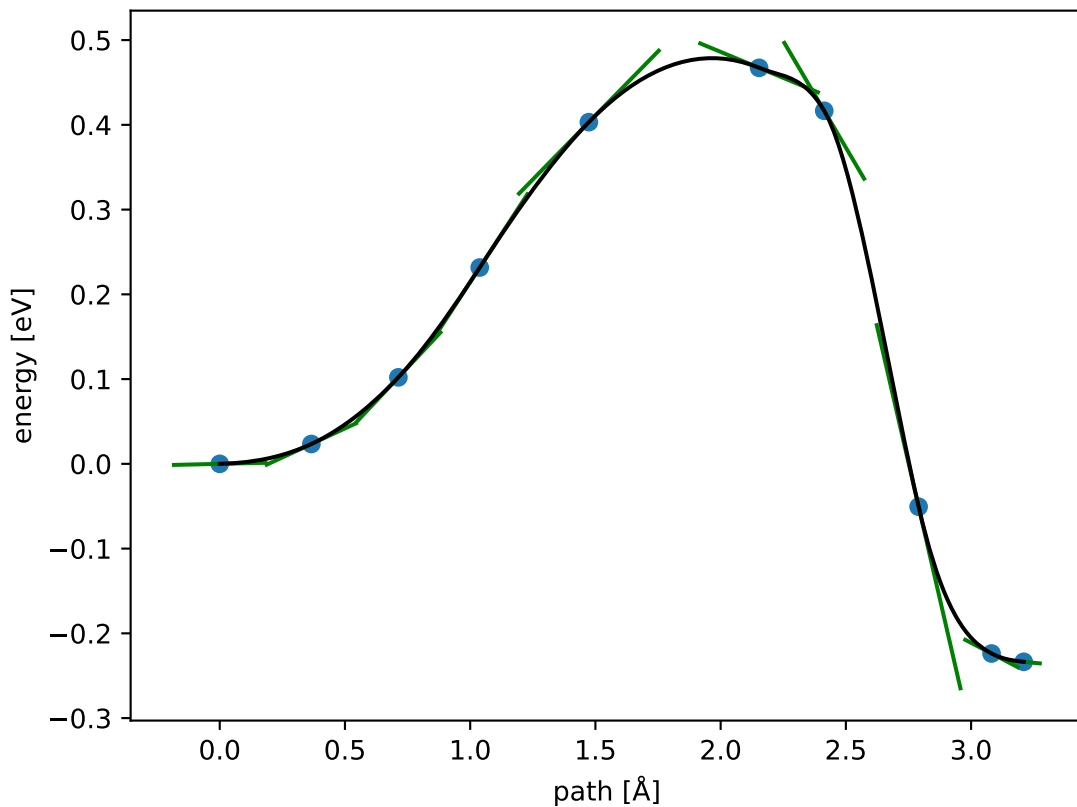
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

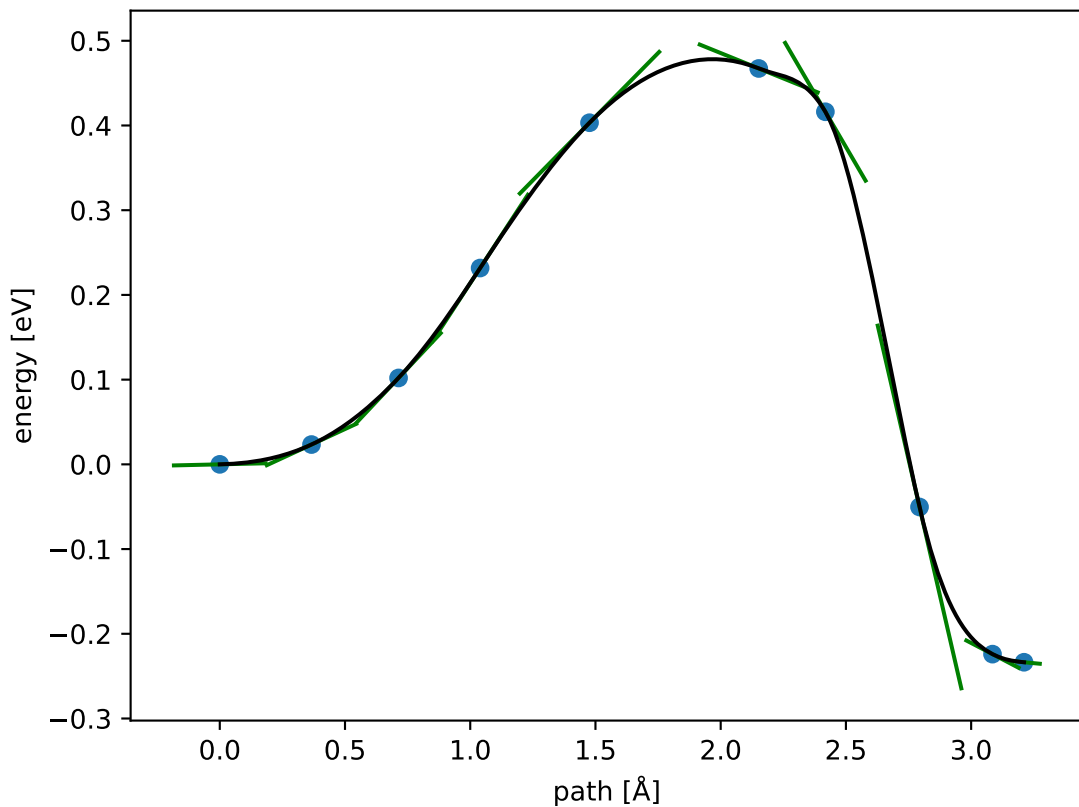


$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

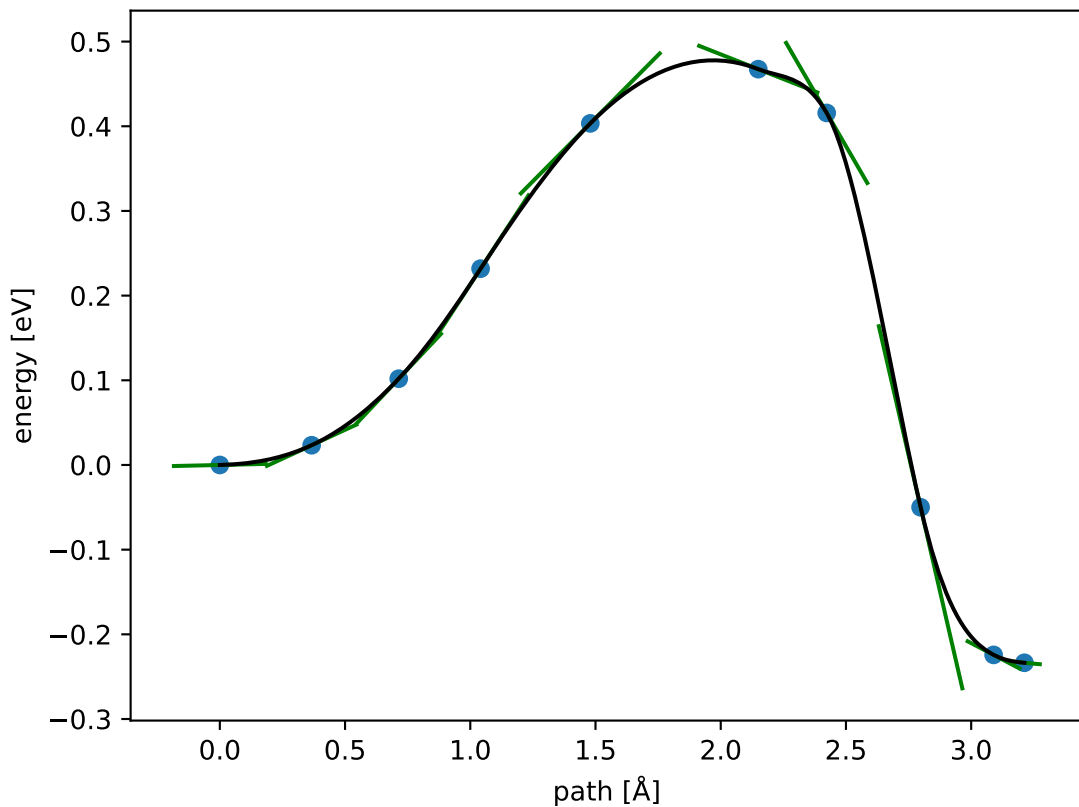




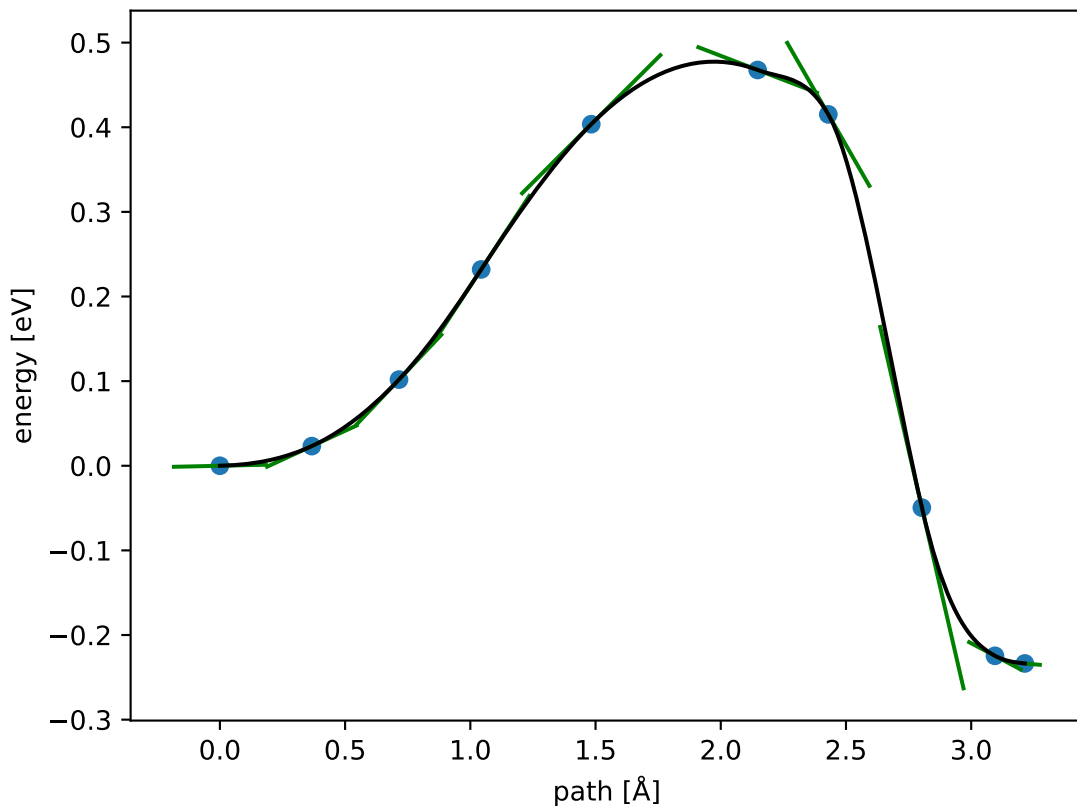
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



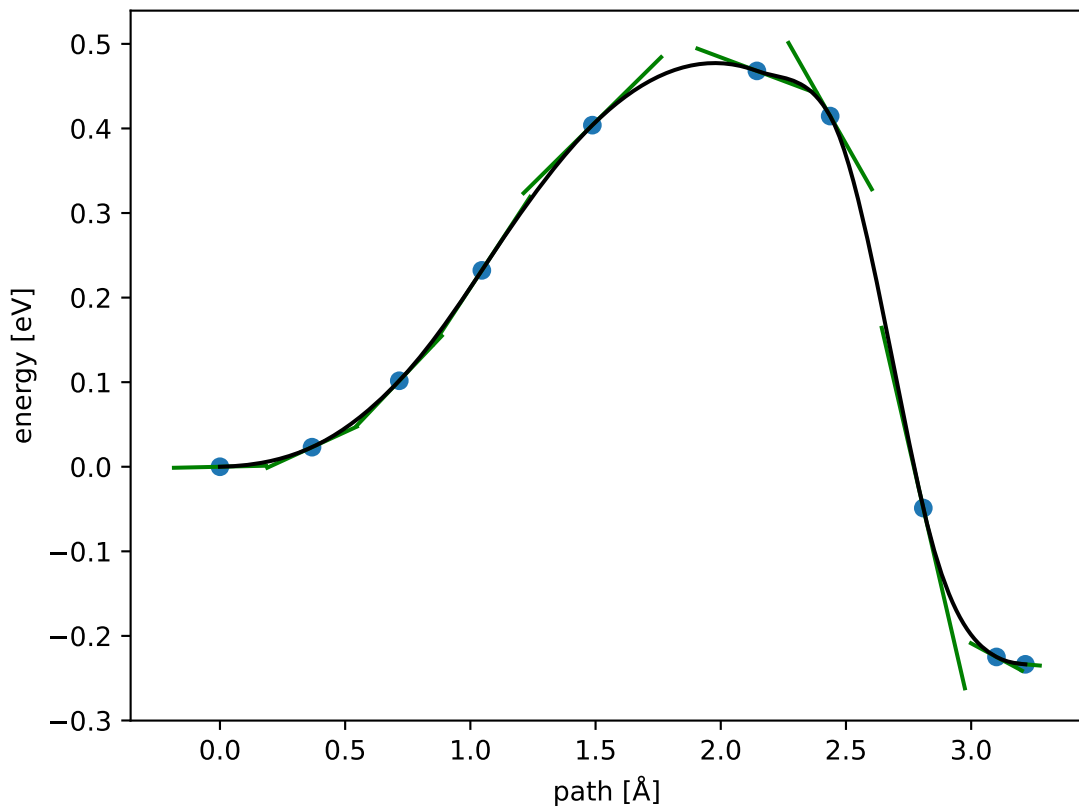
$$E_f \approx 0.467 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



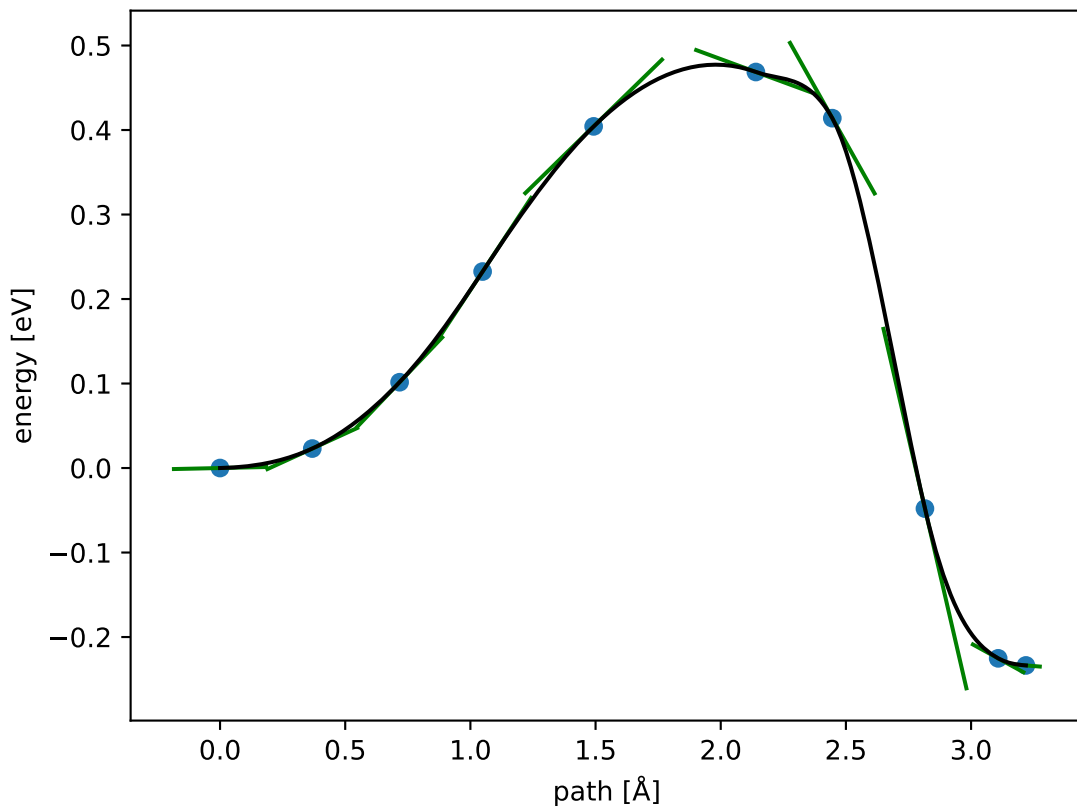
$$E_f \approx 0.468 \text{ eV}; E_r \approx 0.701 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



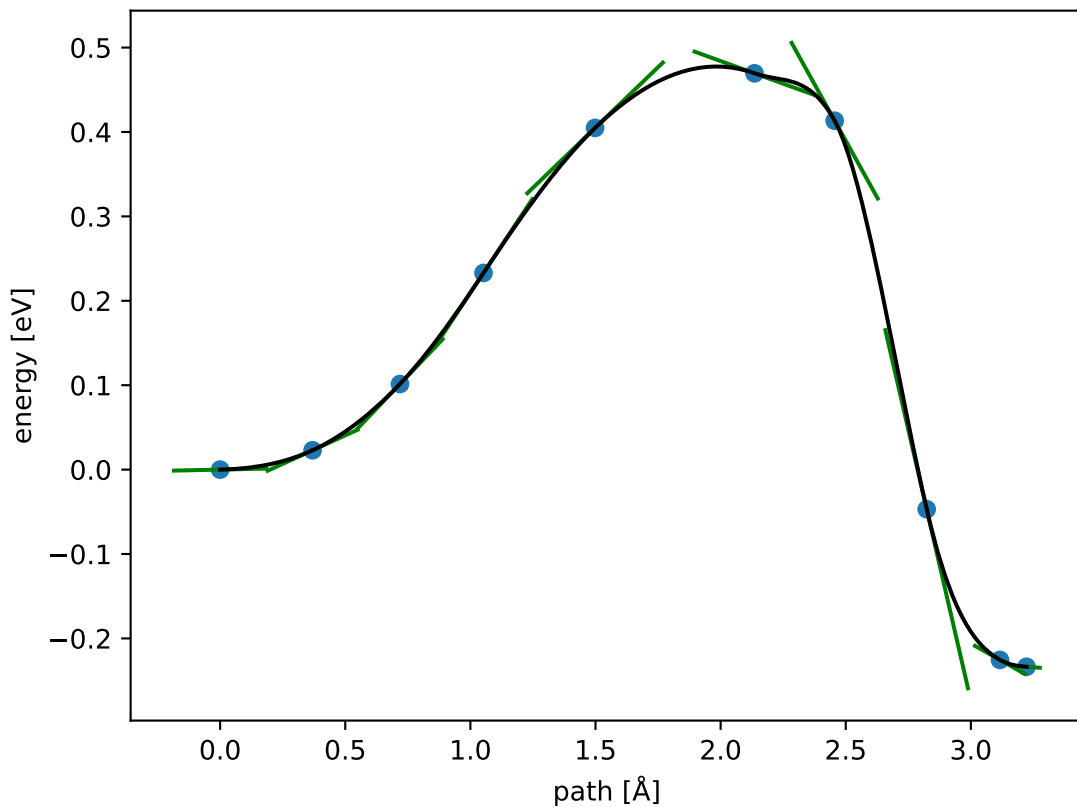
$$E_f \approx 0.468 \text{ eV}; E_r \approx 0.702 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



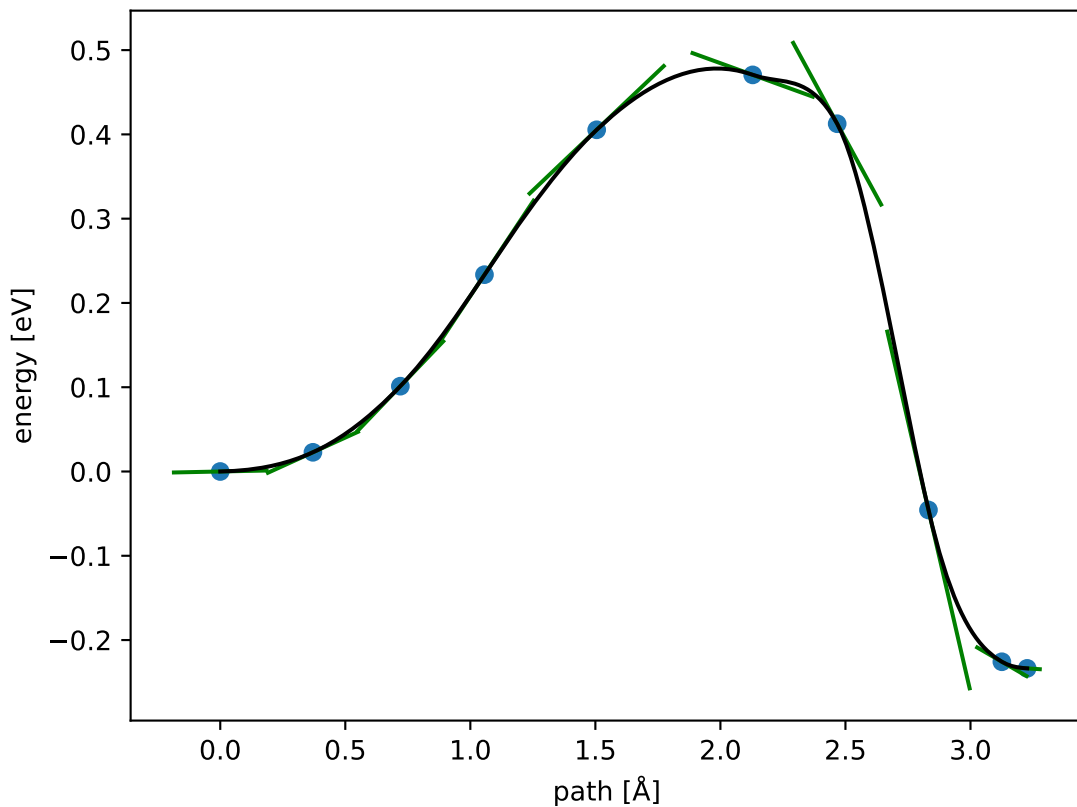
$$E_f \approx 0.469 \text{ eV}; E_r \approx 0.702 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



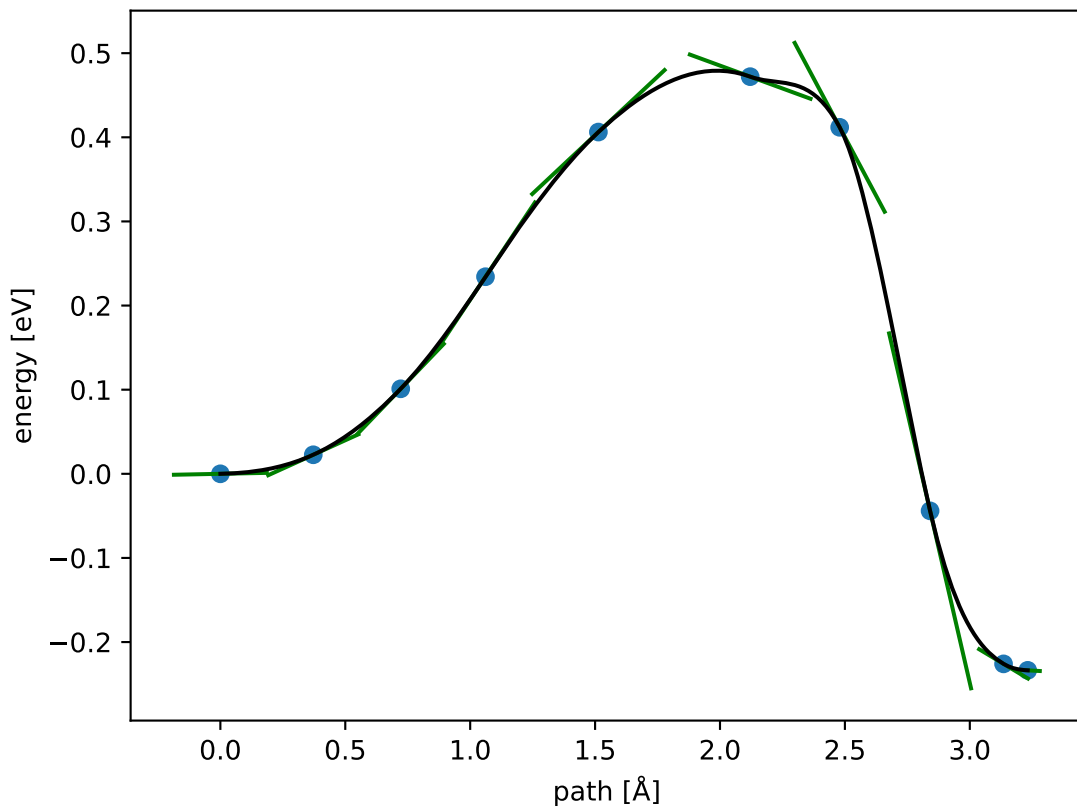
$$E_f \approx 0.469 \text{ eV}; E_r \approx 0.703 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.471 \text{ eV}; E_r \approx 0.704 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

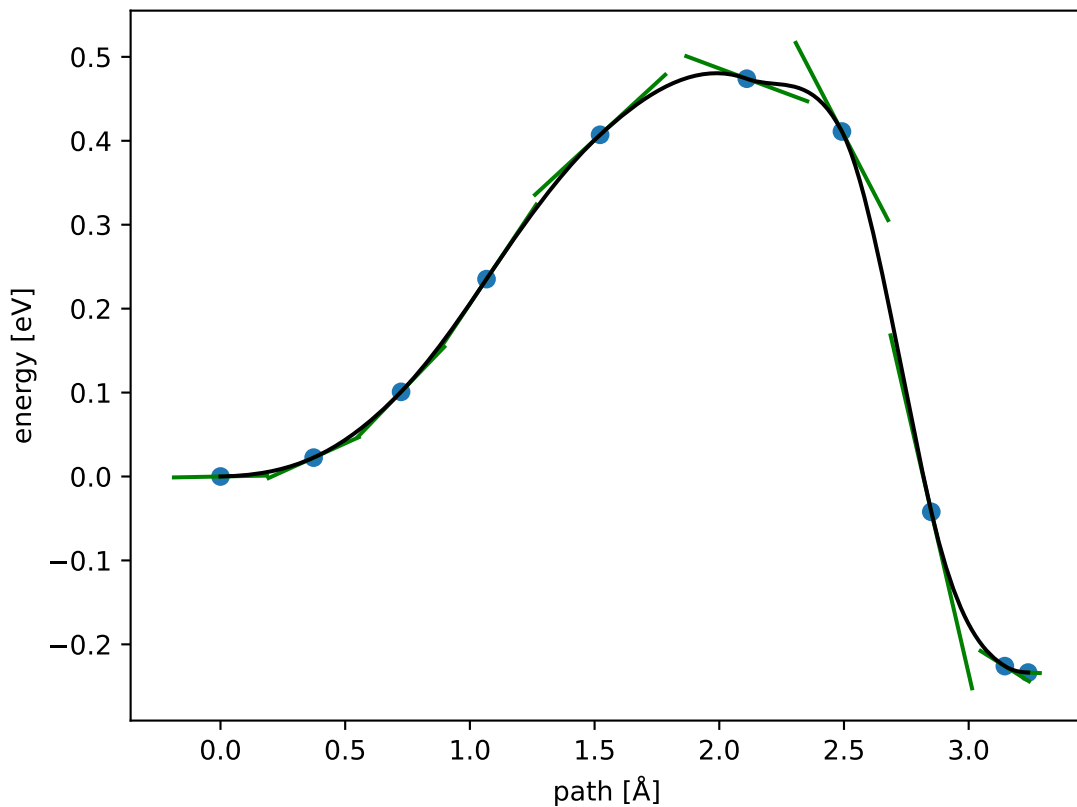


$$E_f \approx 0.472 \text{ eV}; E_r \approx 0.706 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

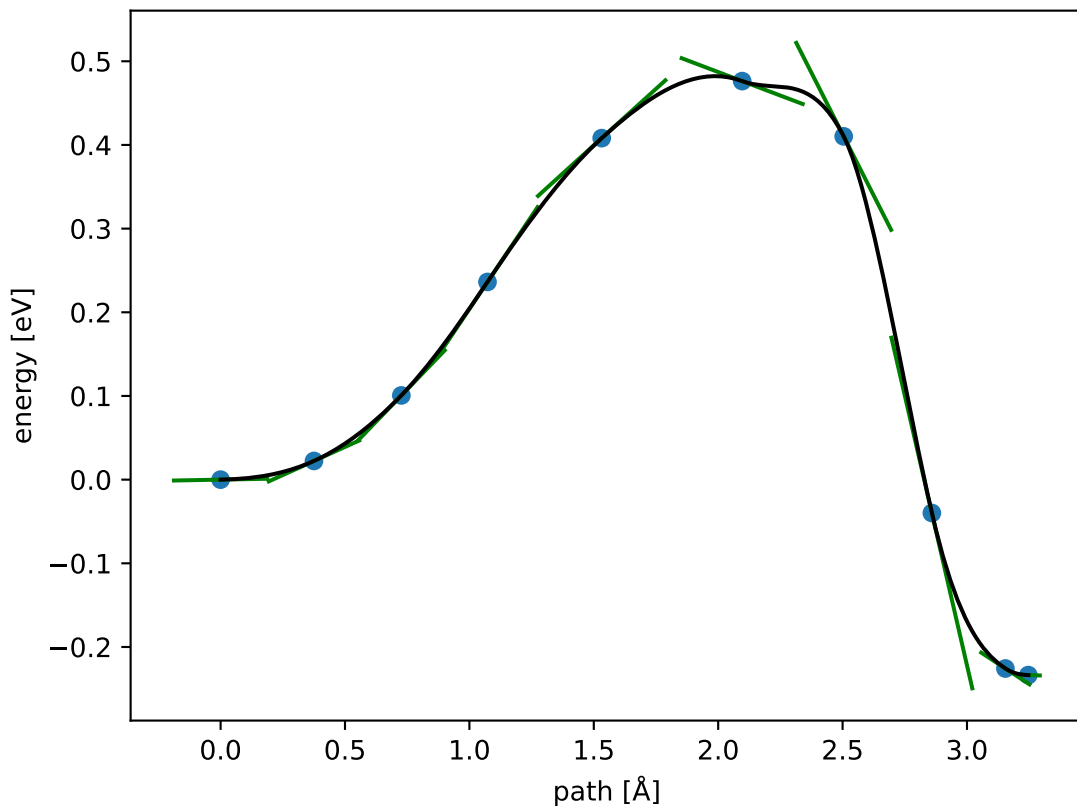




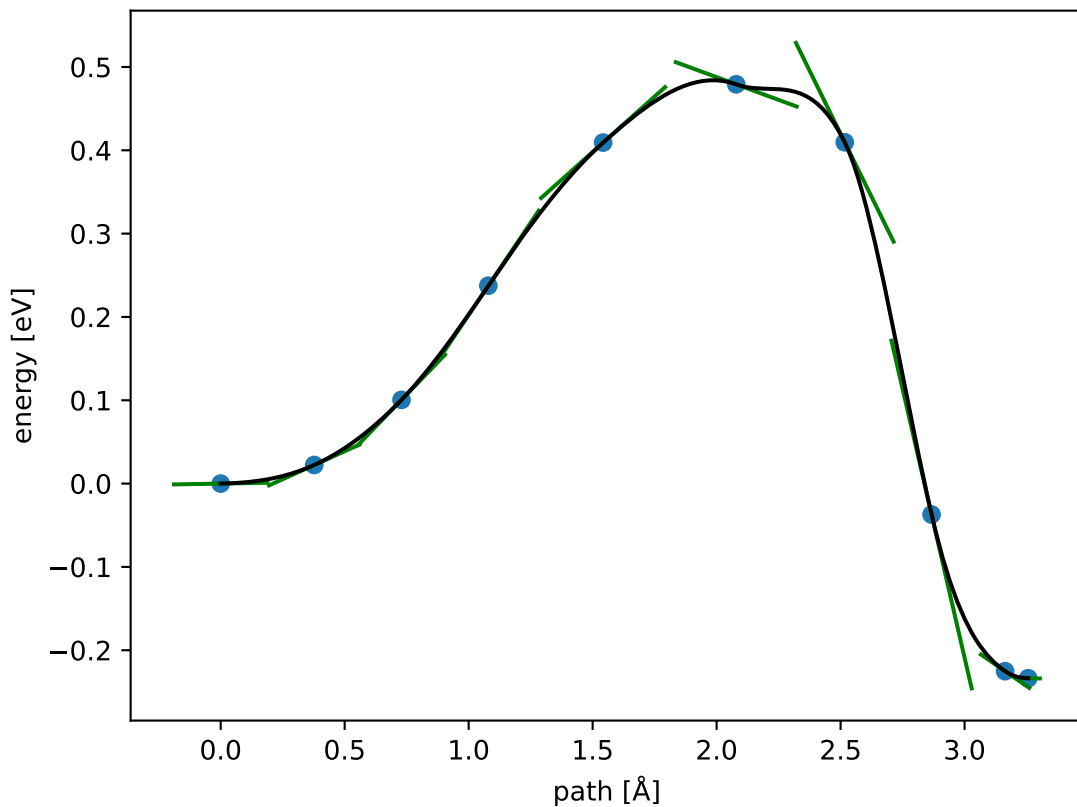
$$E_f \approx 0.474 \text{ eV}; E_r \approx 0.708 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



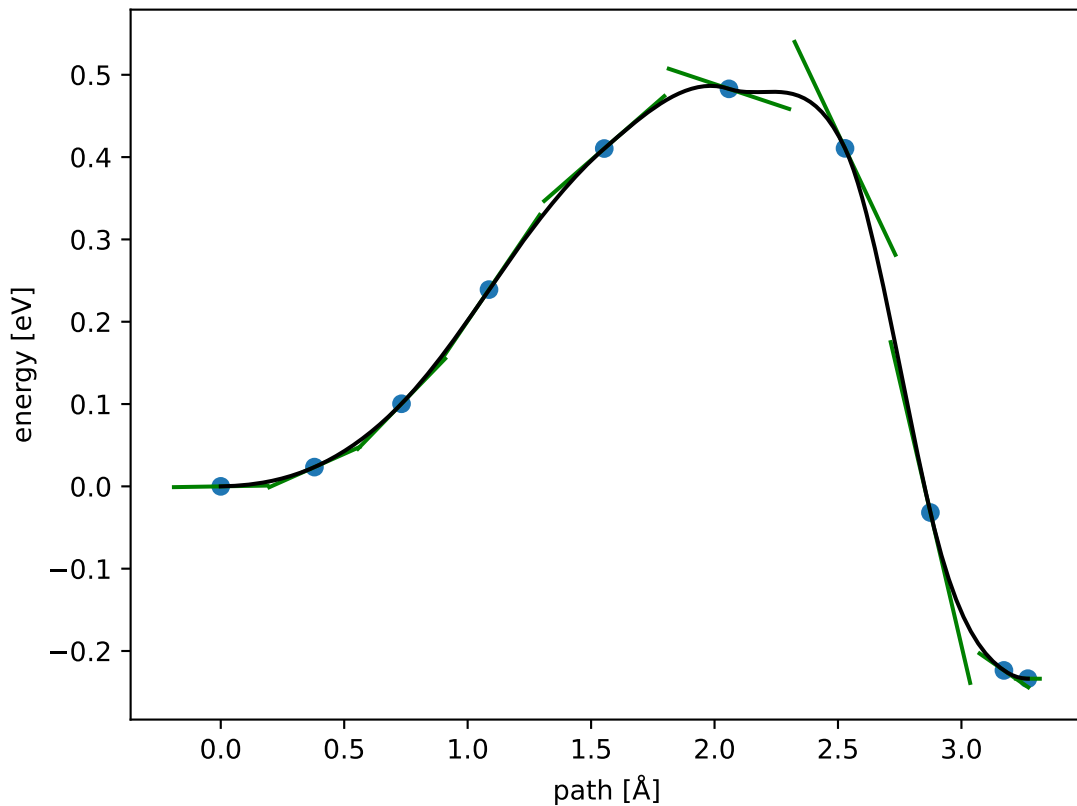
$$E_f \approx 0.476 \text{ eV}; E_r \approx 0.710 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



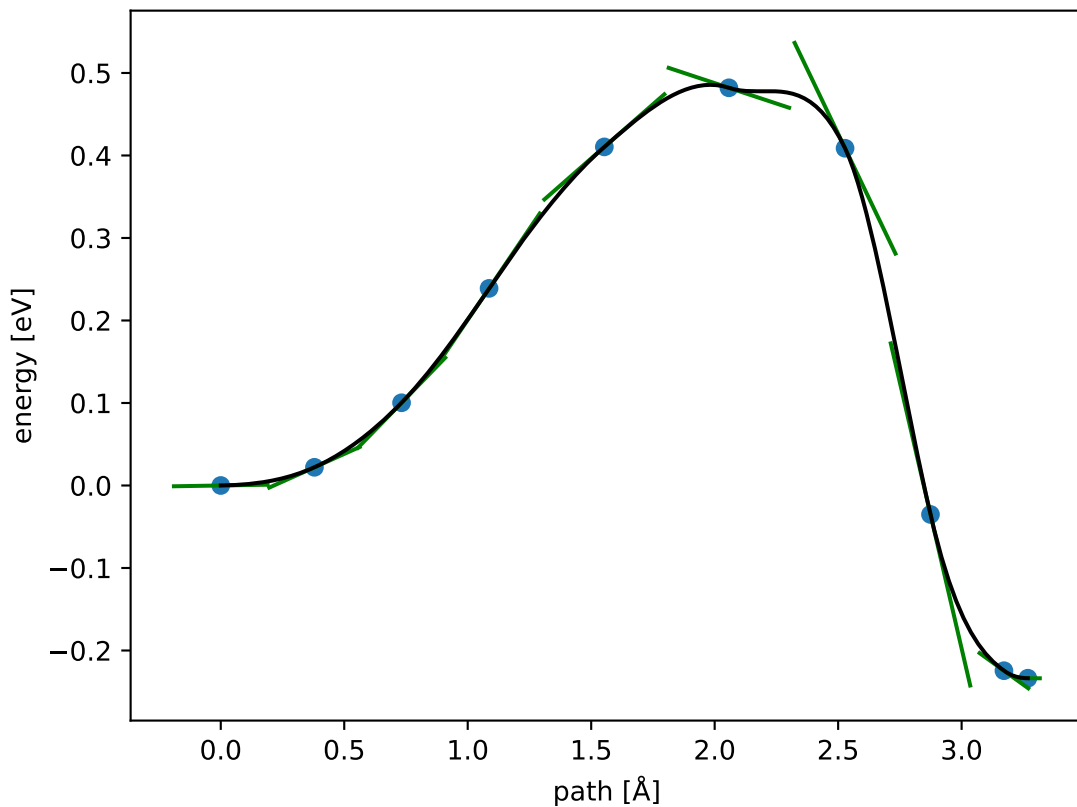
$$E_f \approx 0.479 \text{ eV}; E_r \approx 0.713 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



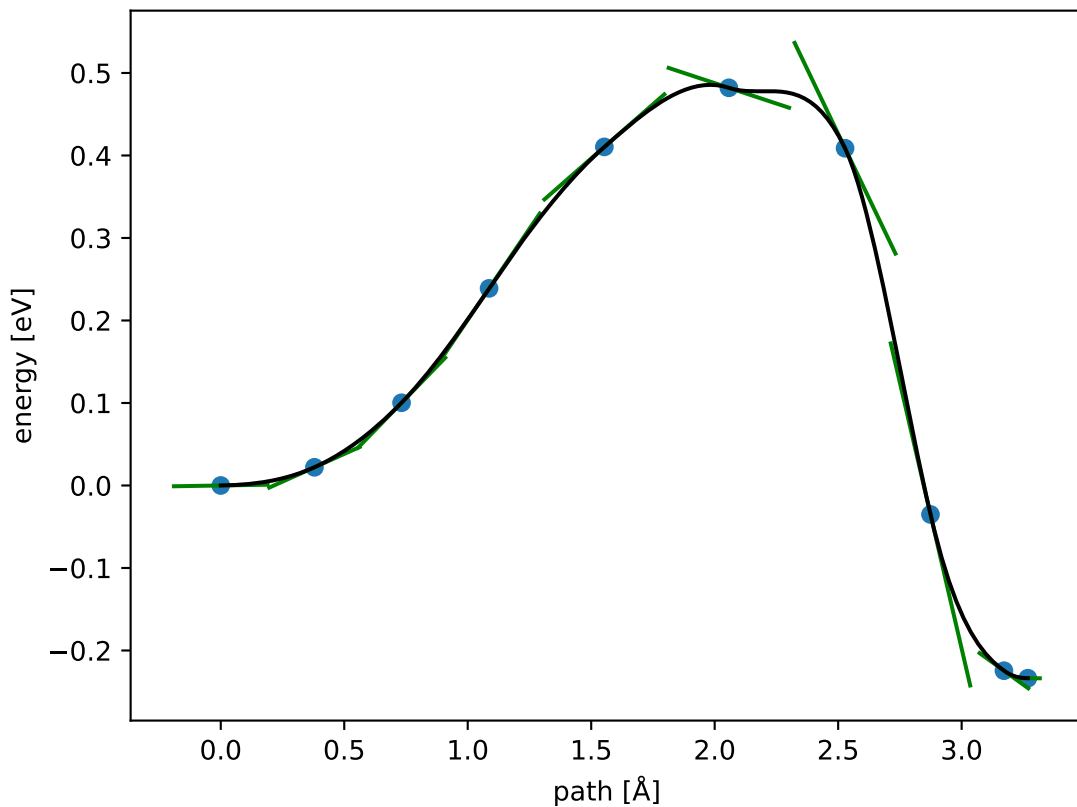
$$E_f \approx 0.483 \text{ eV}; E_r \approx 0.717 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



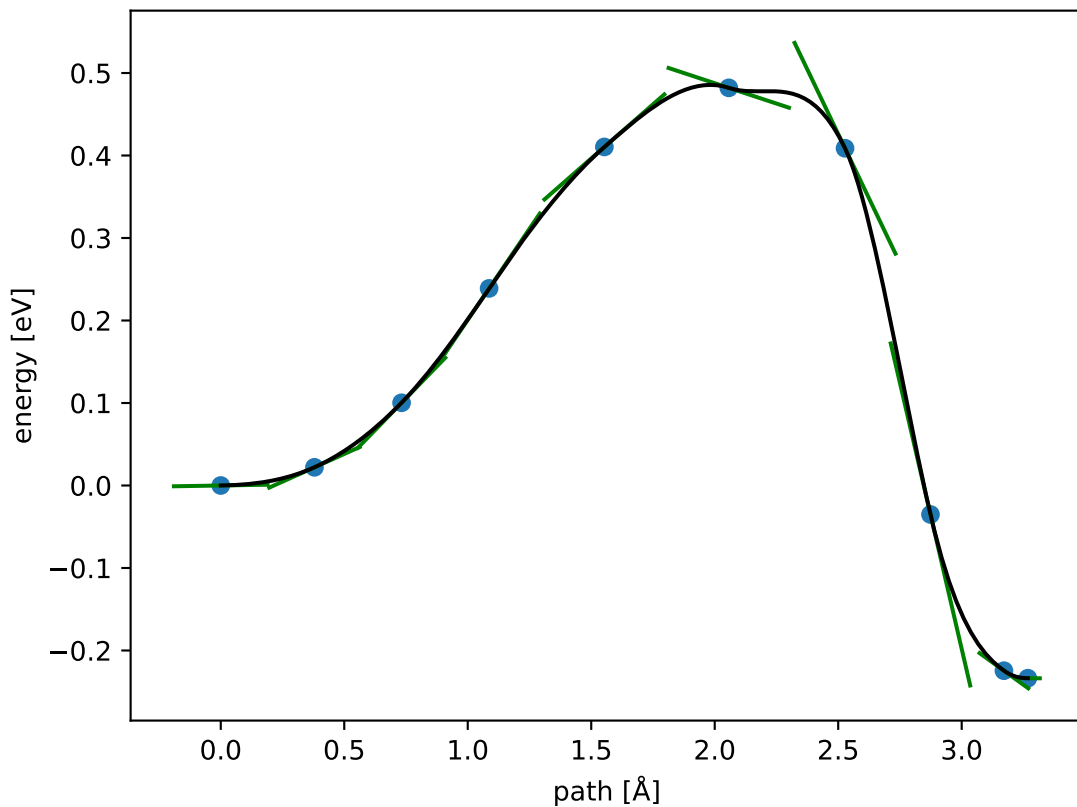
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



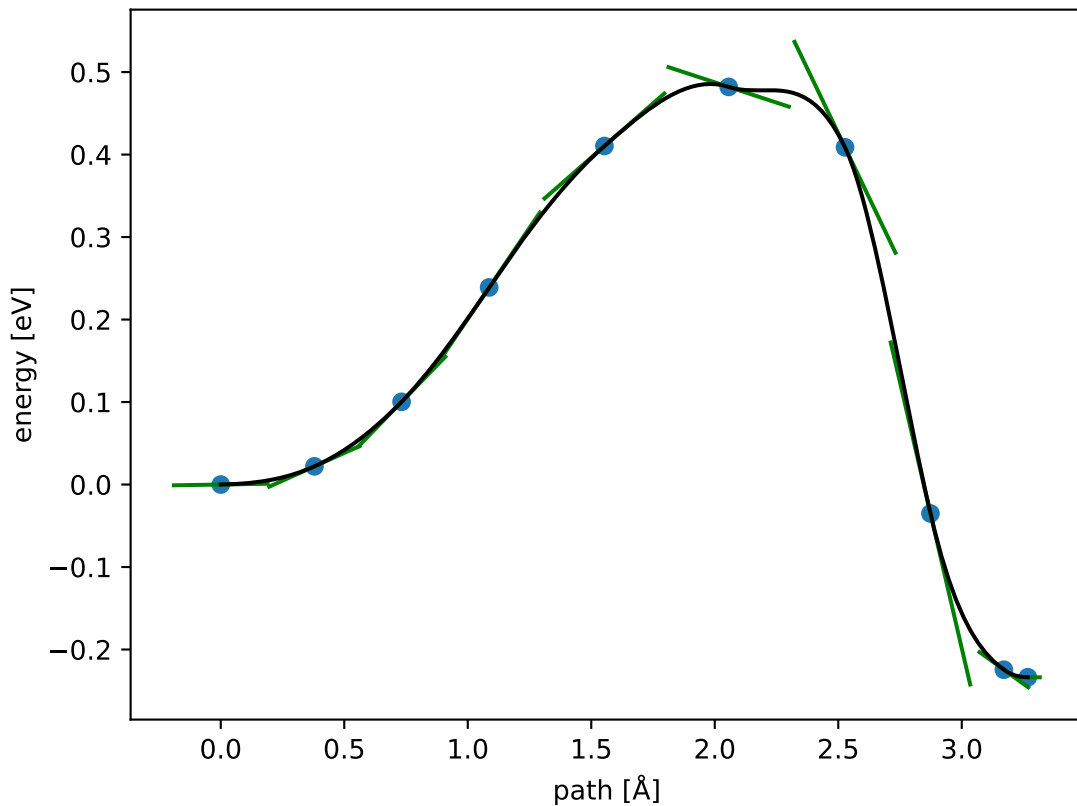
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

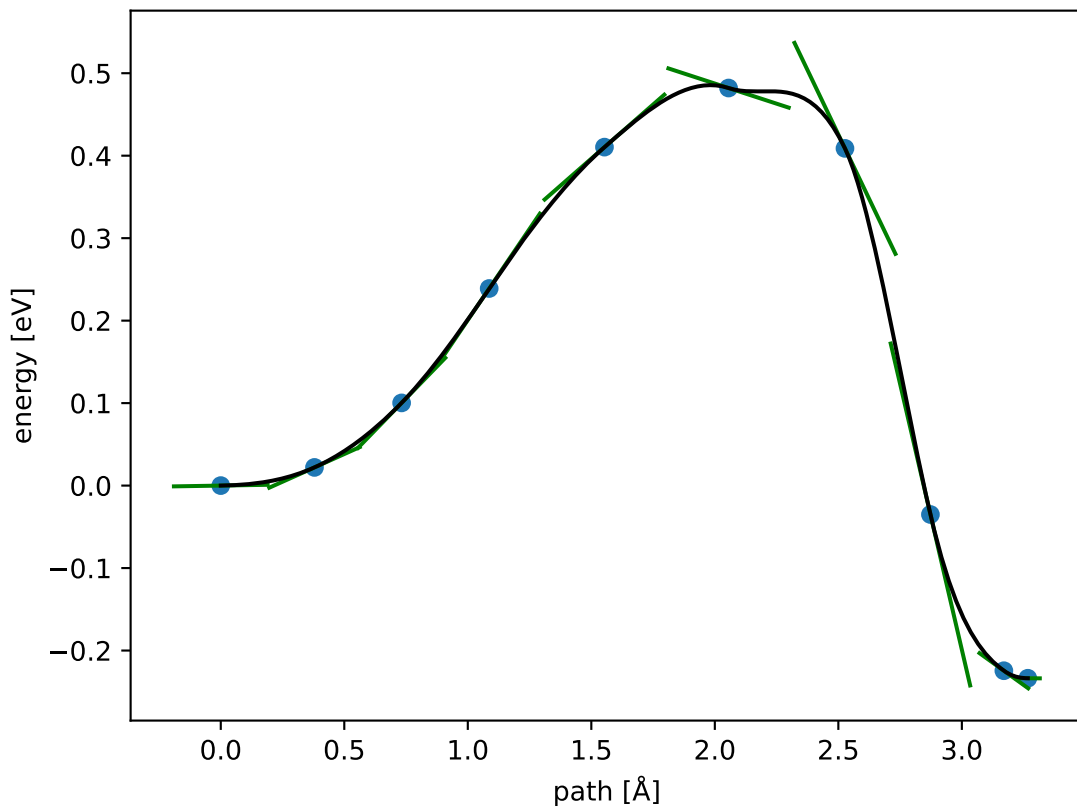


$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

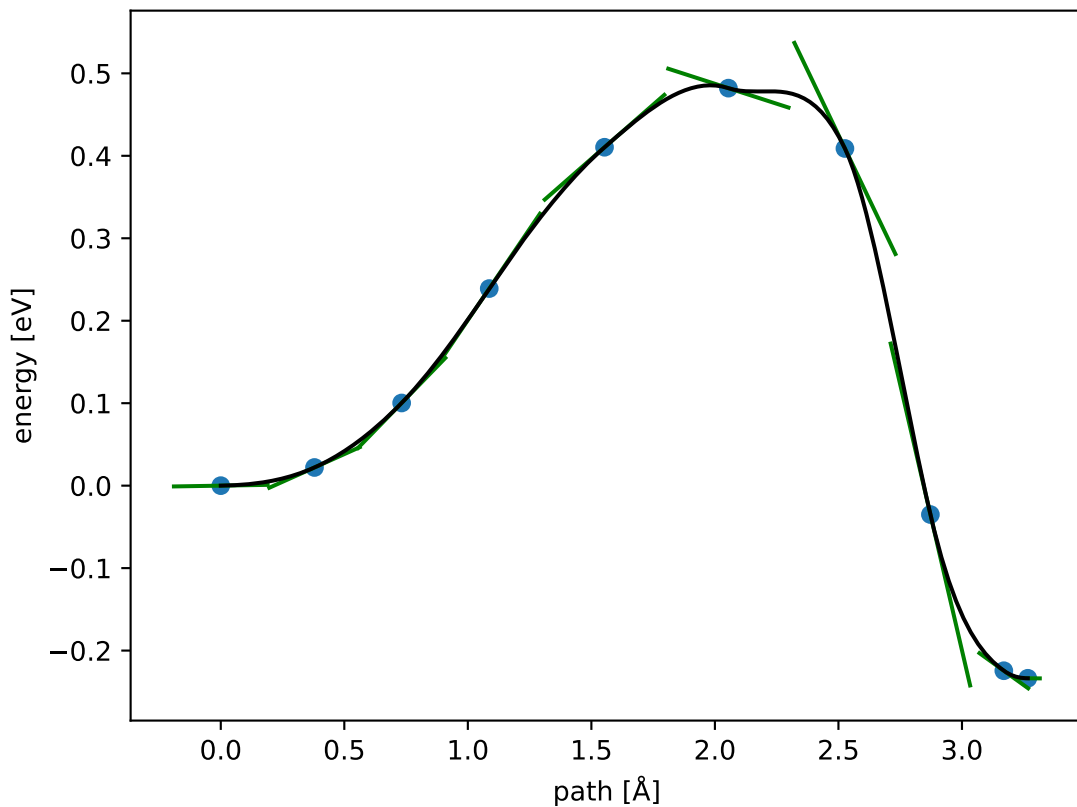




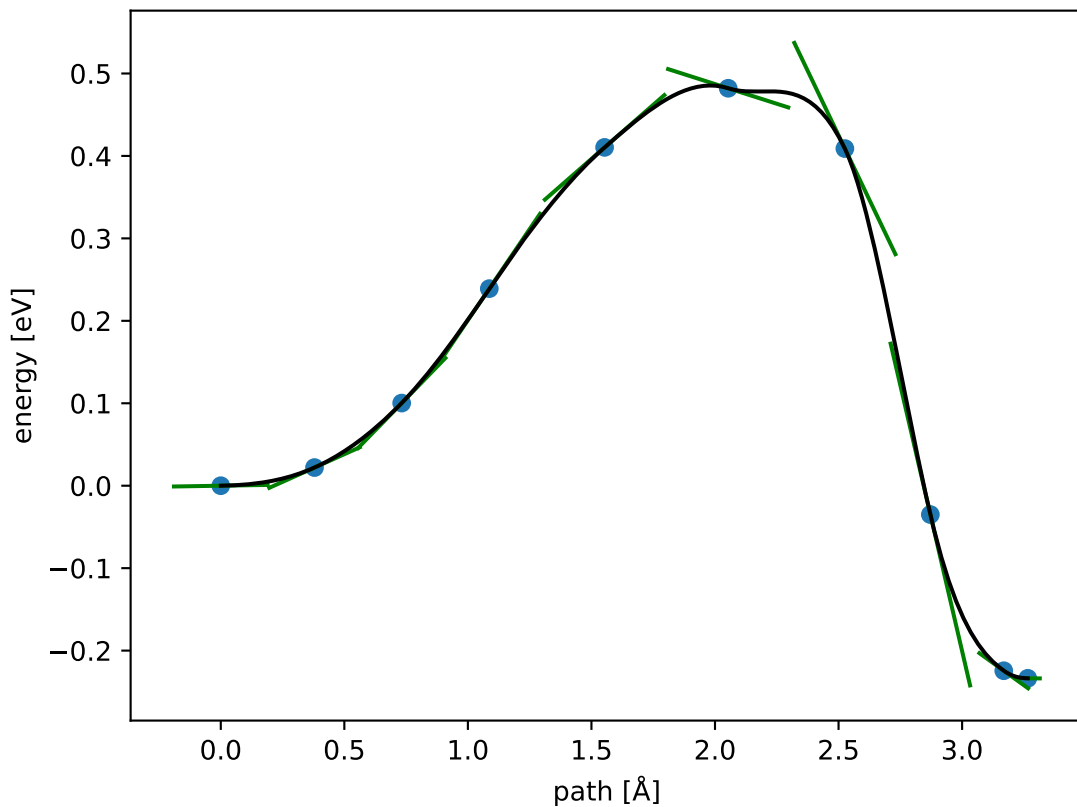
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



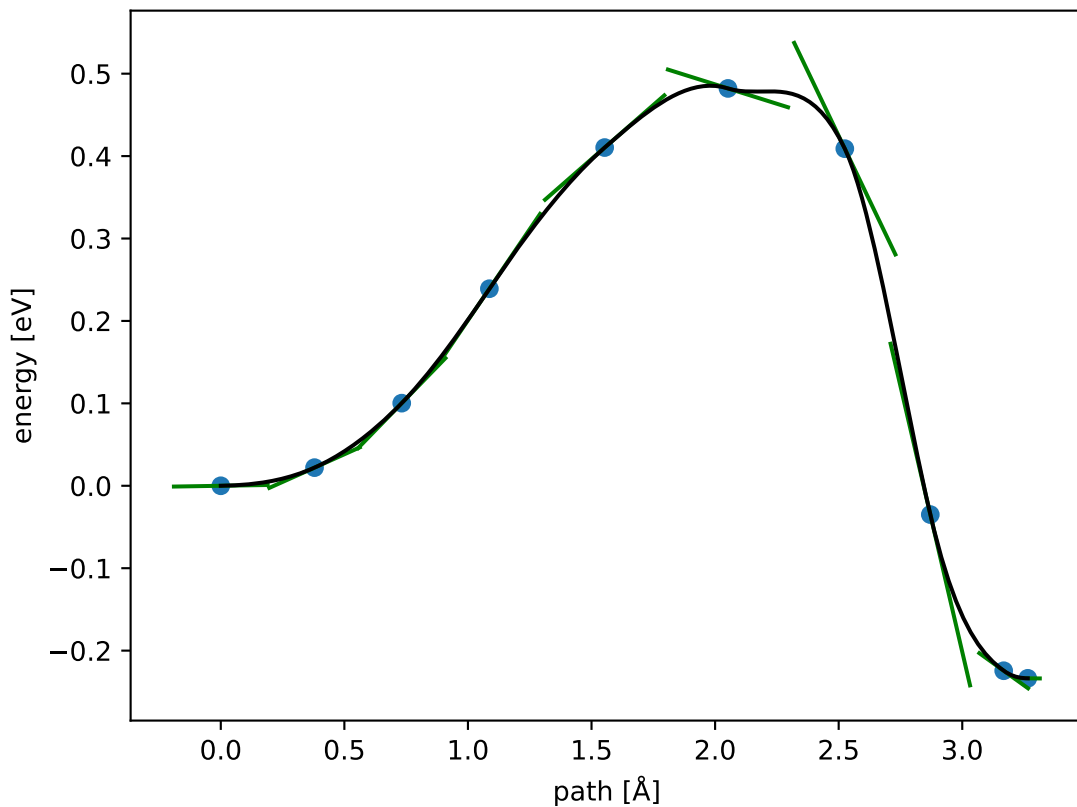
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



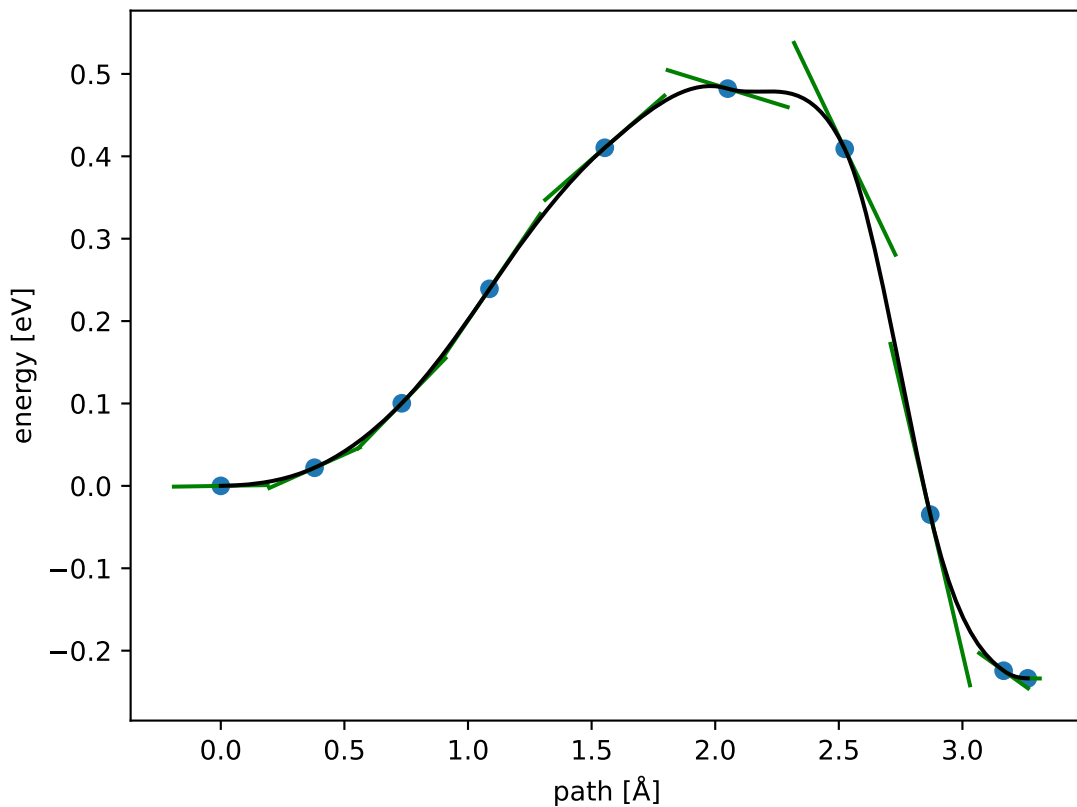
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



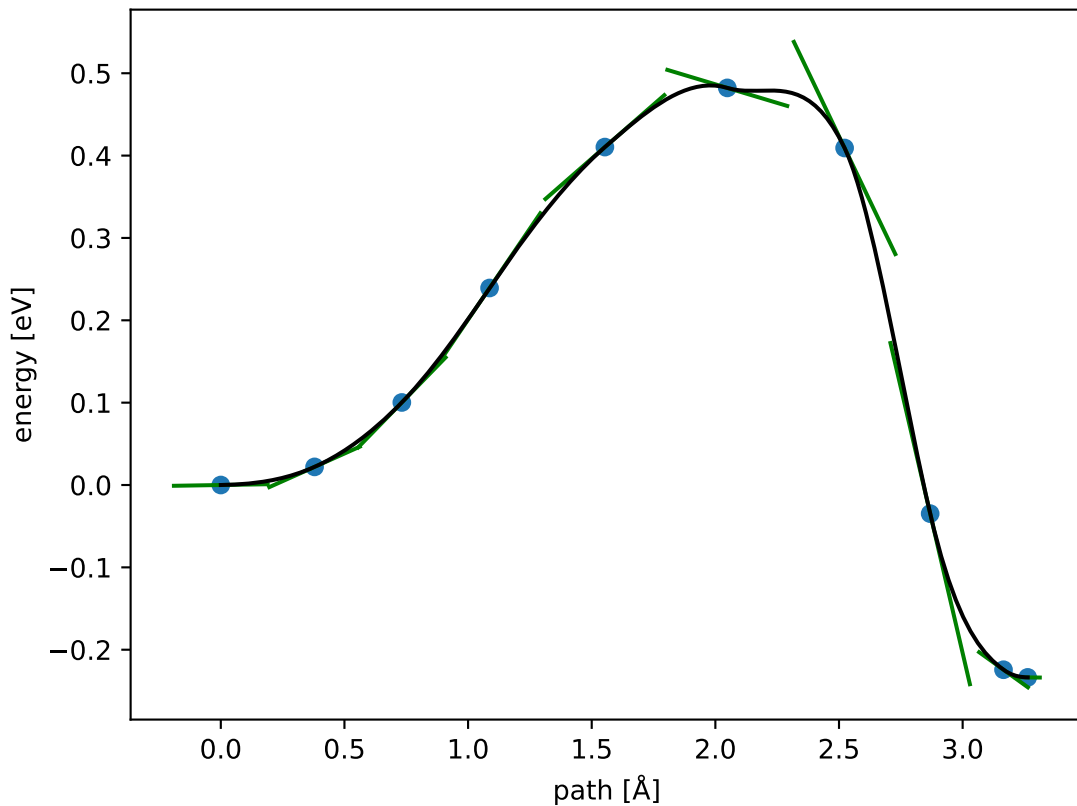
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



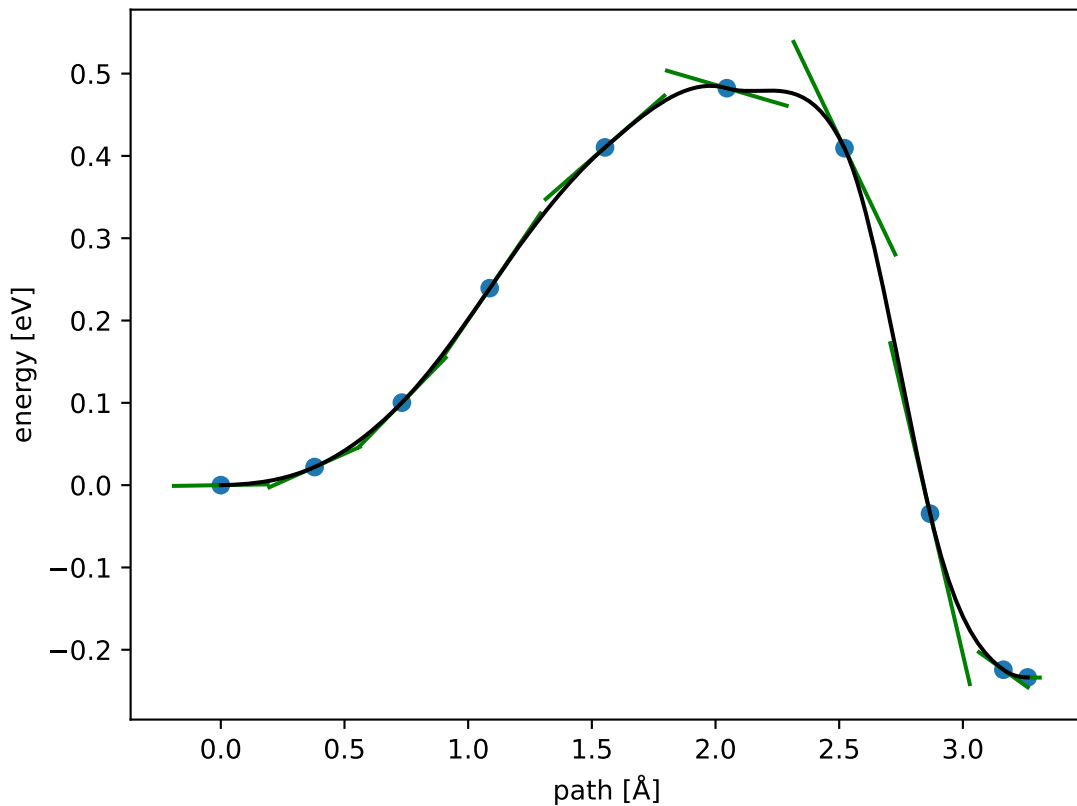
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



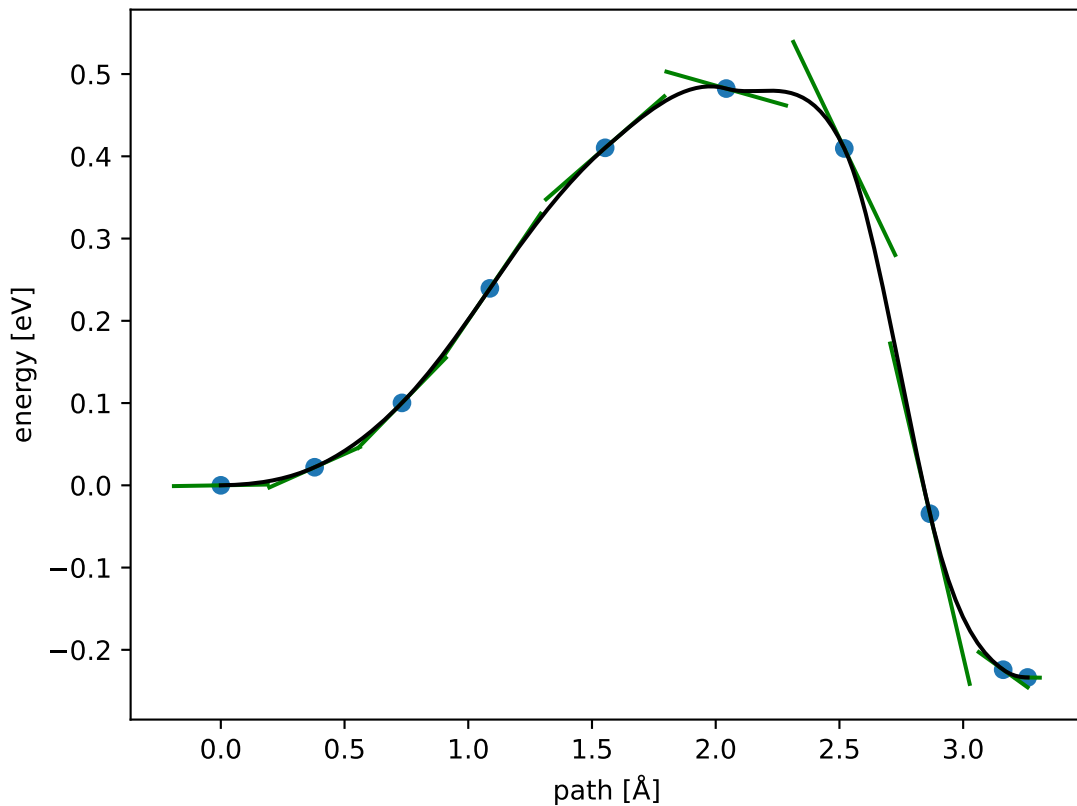
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



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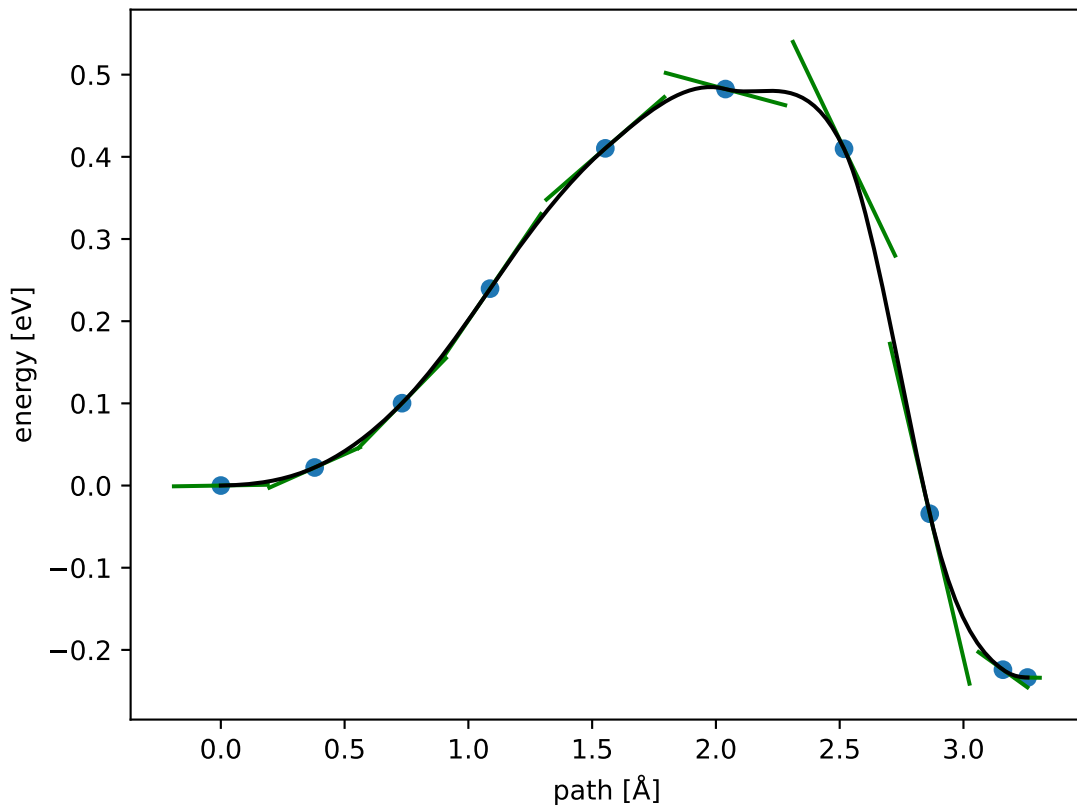


$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$

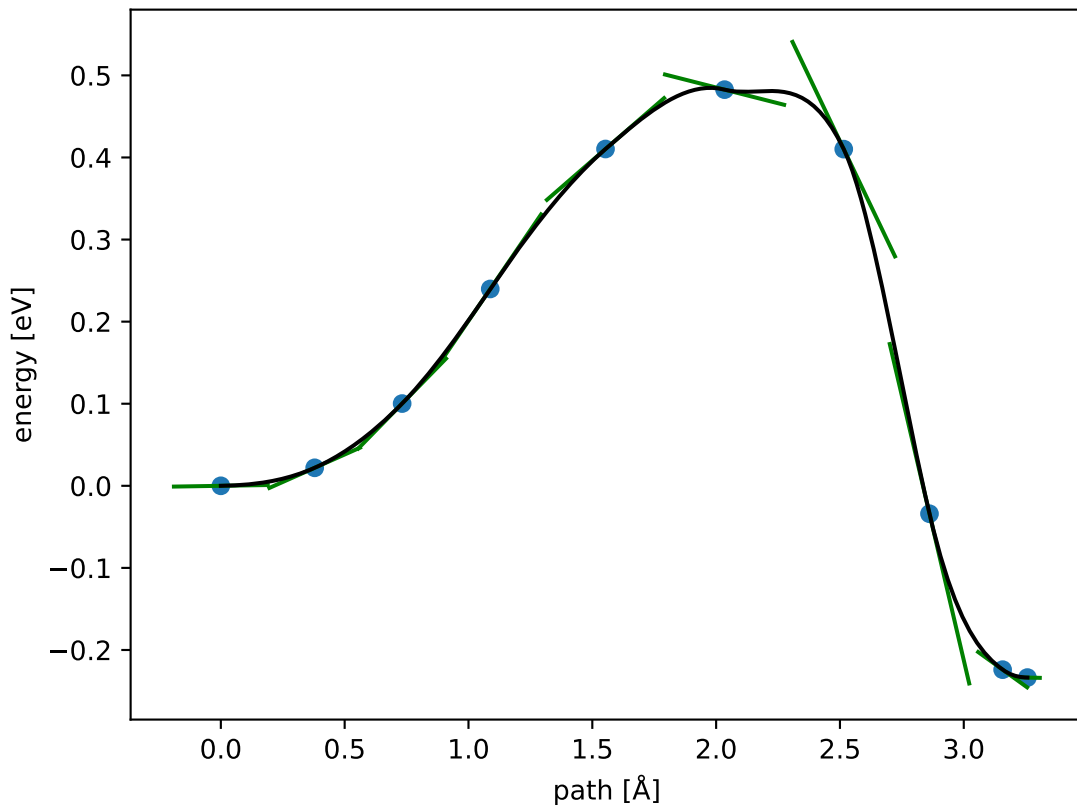




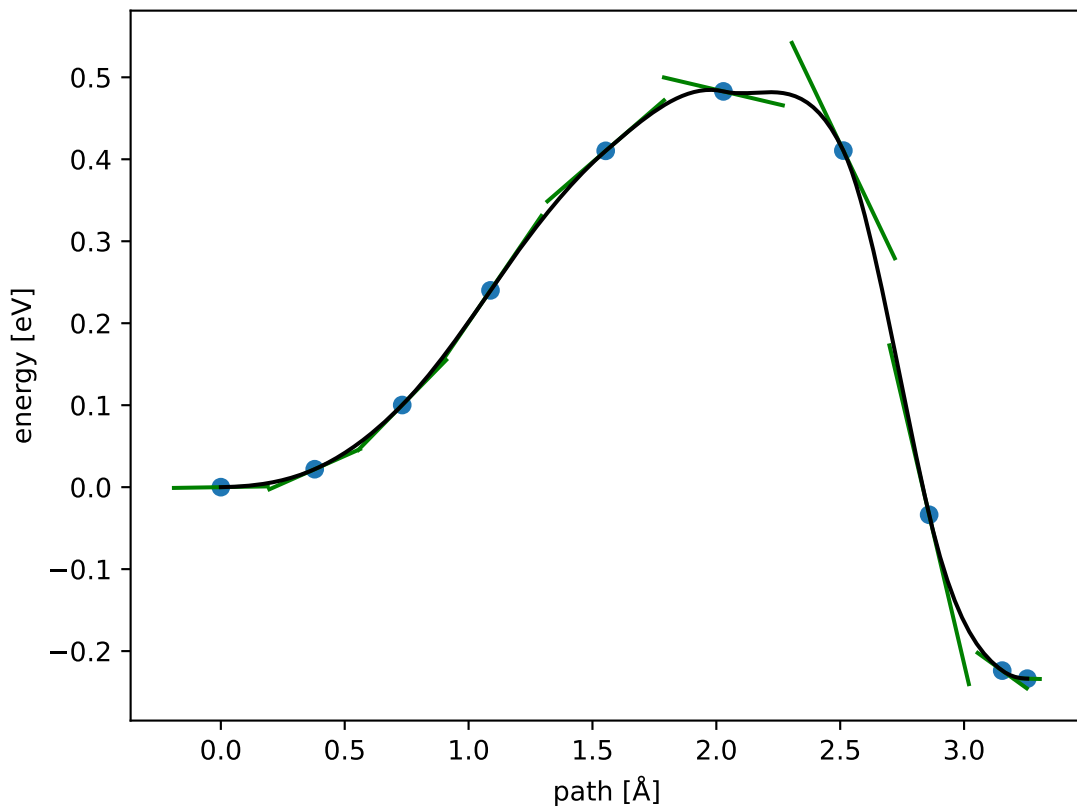
$$E_f \approx 0.482 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



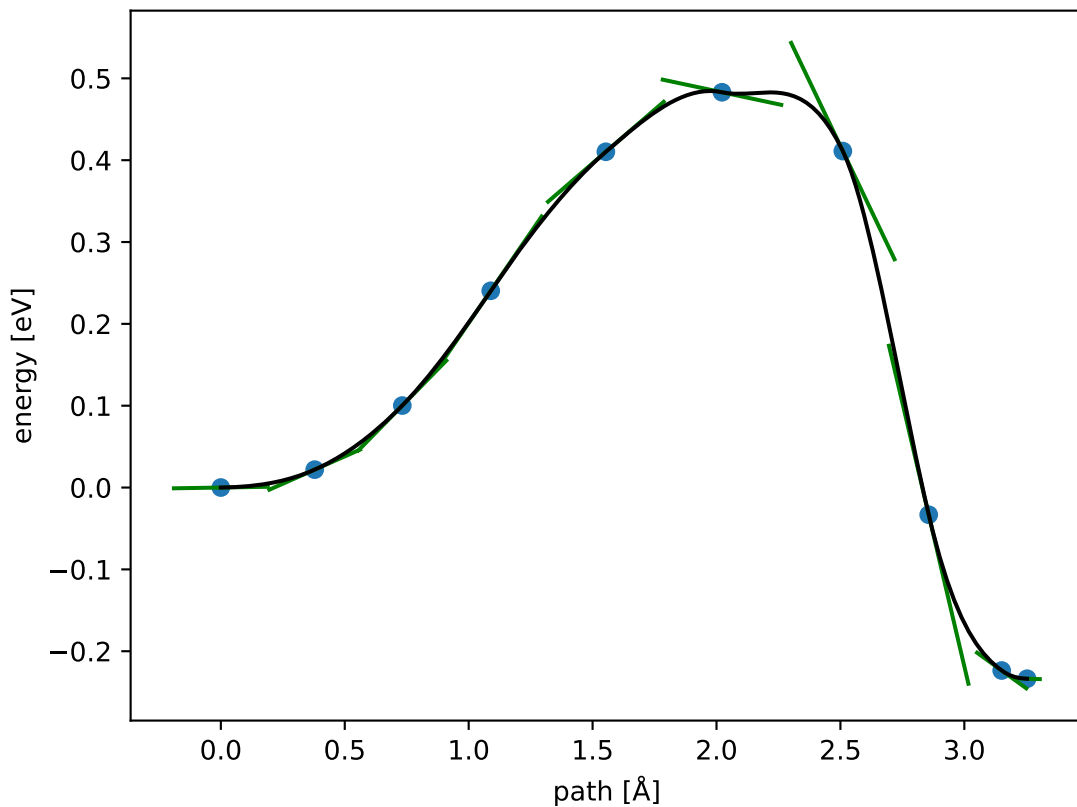
$$E_f \approx 0.483 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



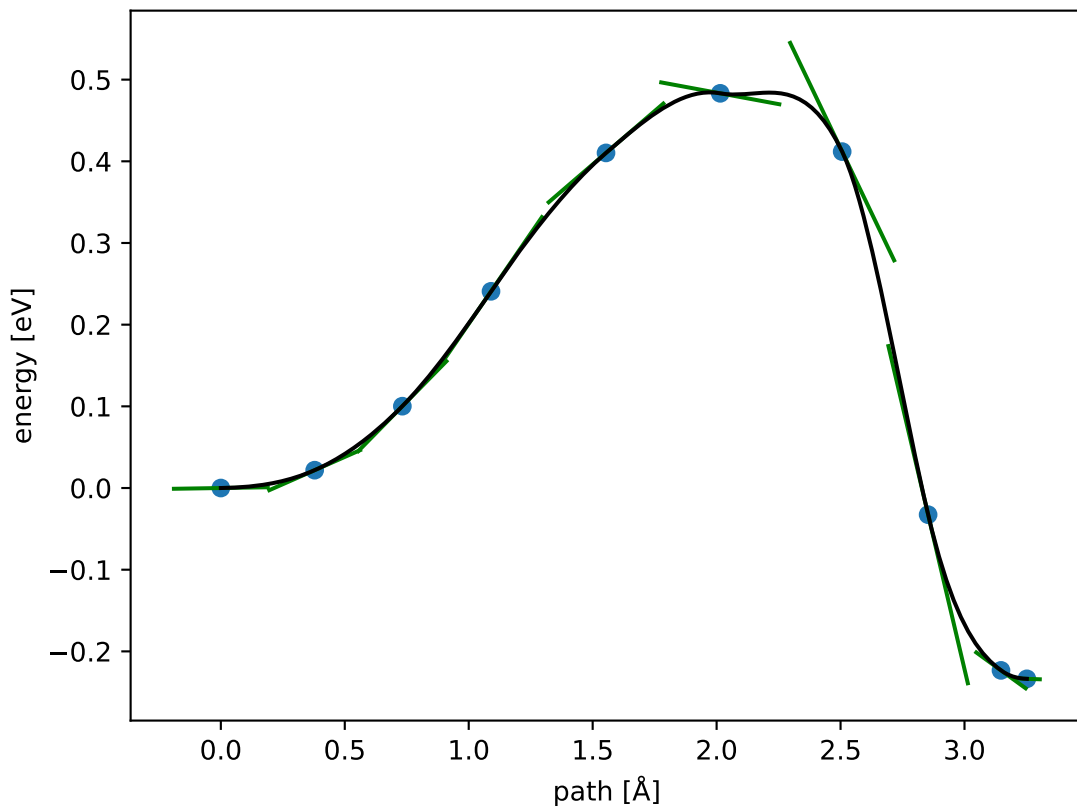
$$E_f \approx 0.483 \text{ eV}; E_r \approx 0.716 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



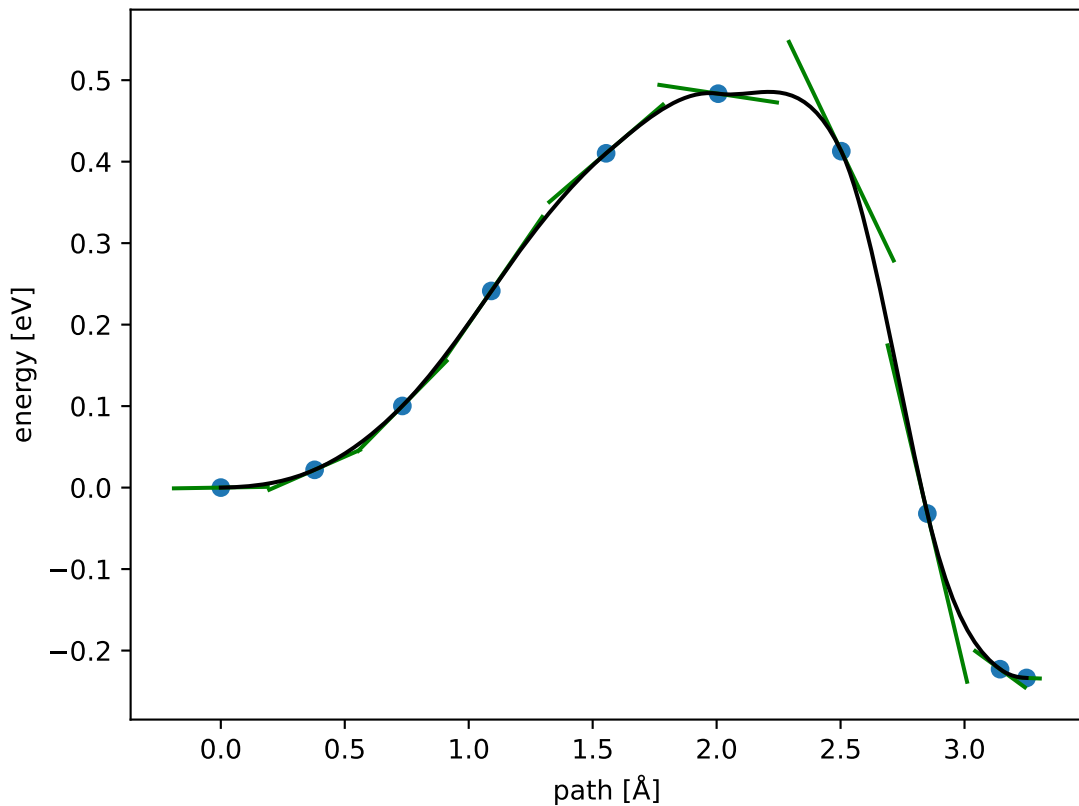
$$E_f \approx 0.483 \text{ eV}; E_r \approx 0.717 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



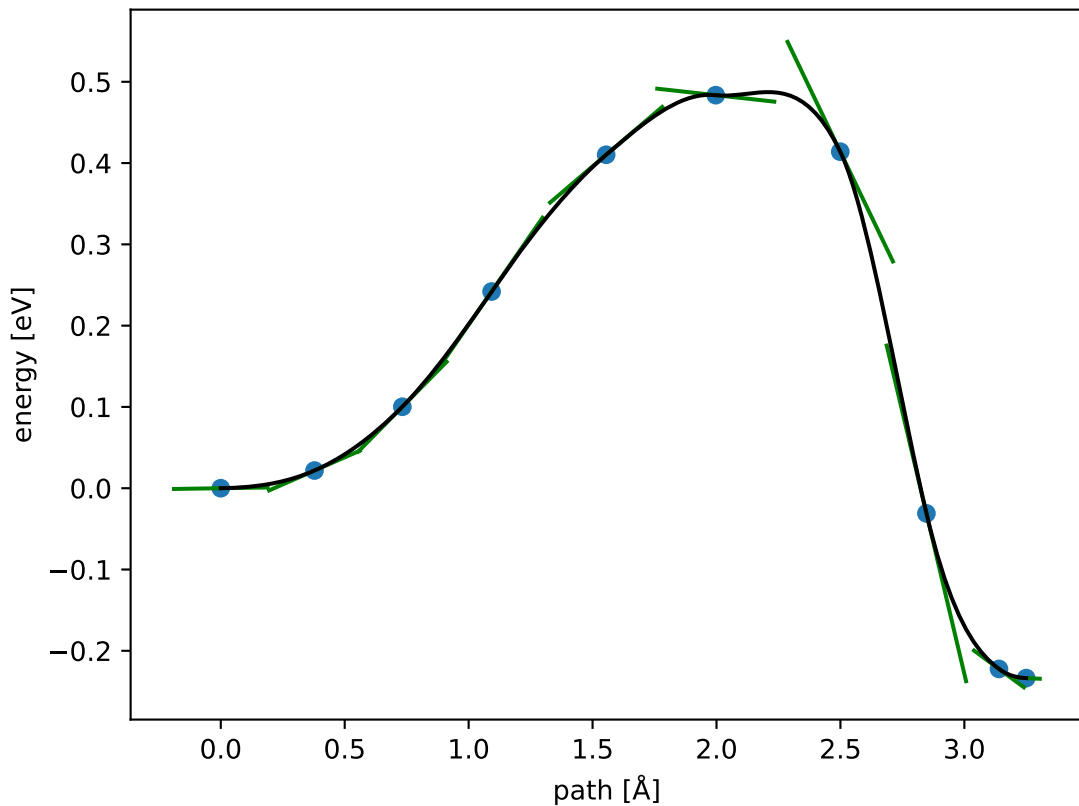
$$E_f \approx 0.483 \text{ eV}; E_r \approx 0.717 \text{ eV}; \Delta E = -0.234 \text{ eV}$$



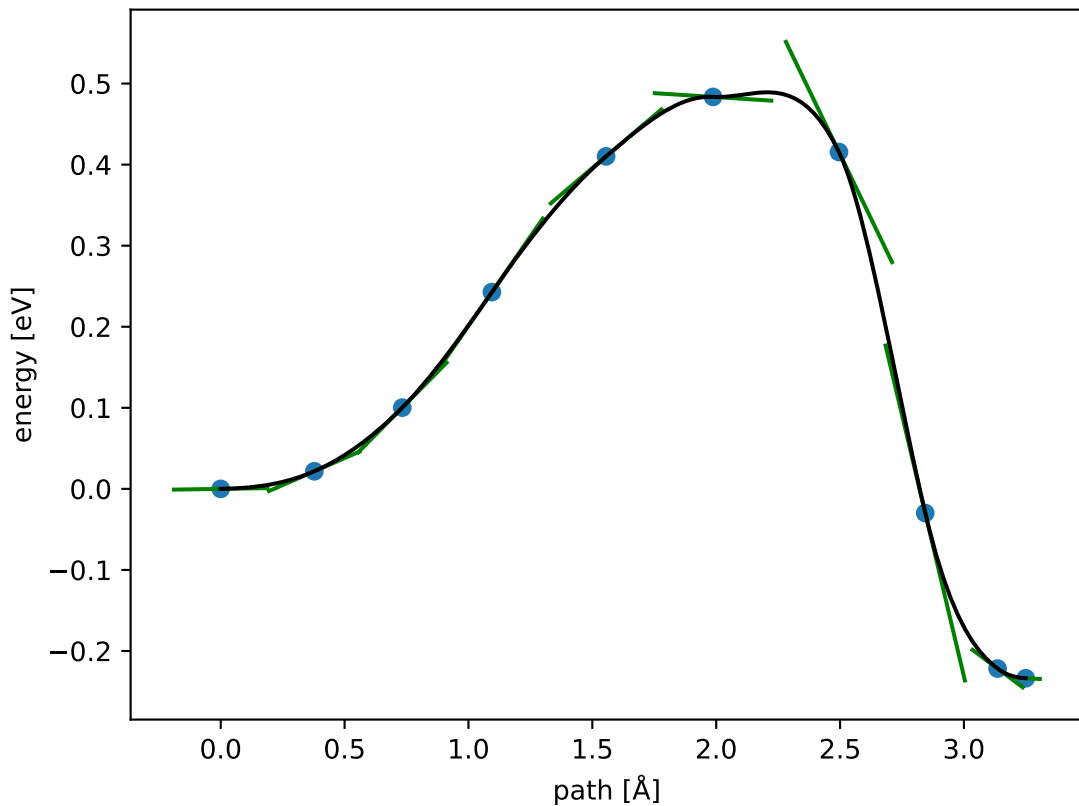
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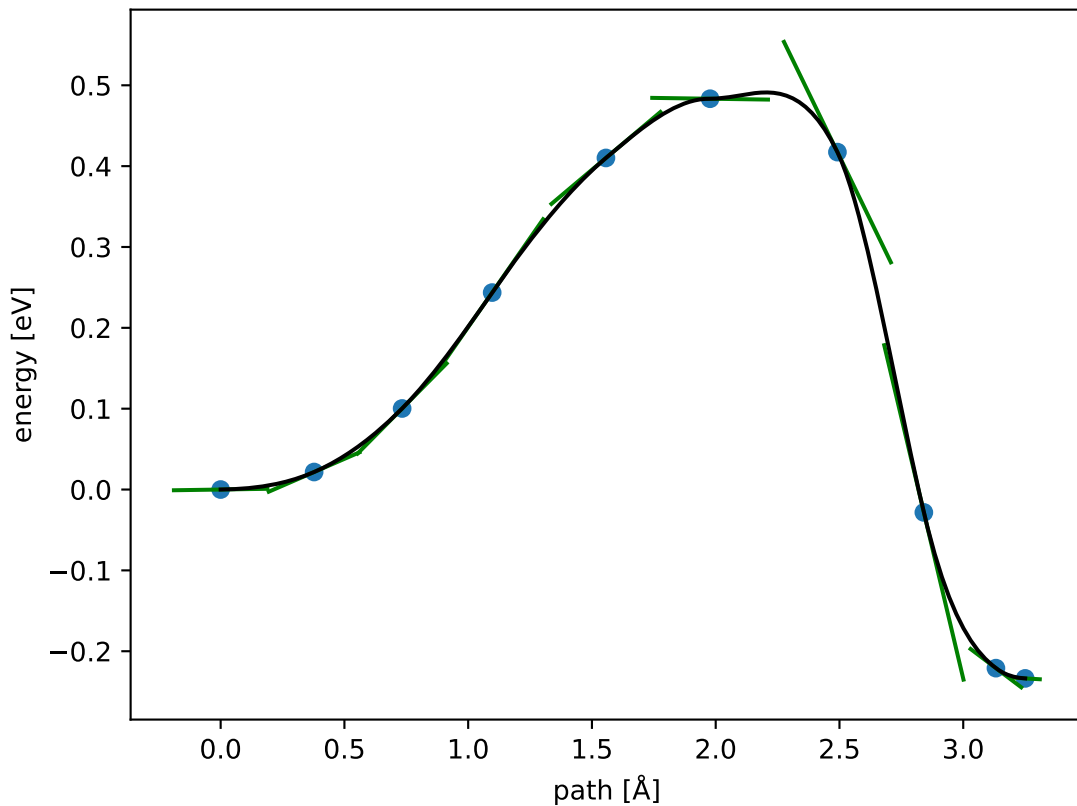


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